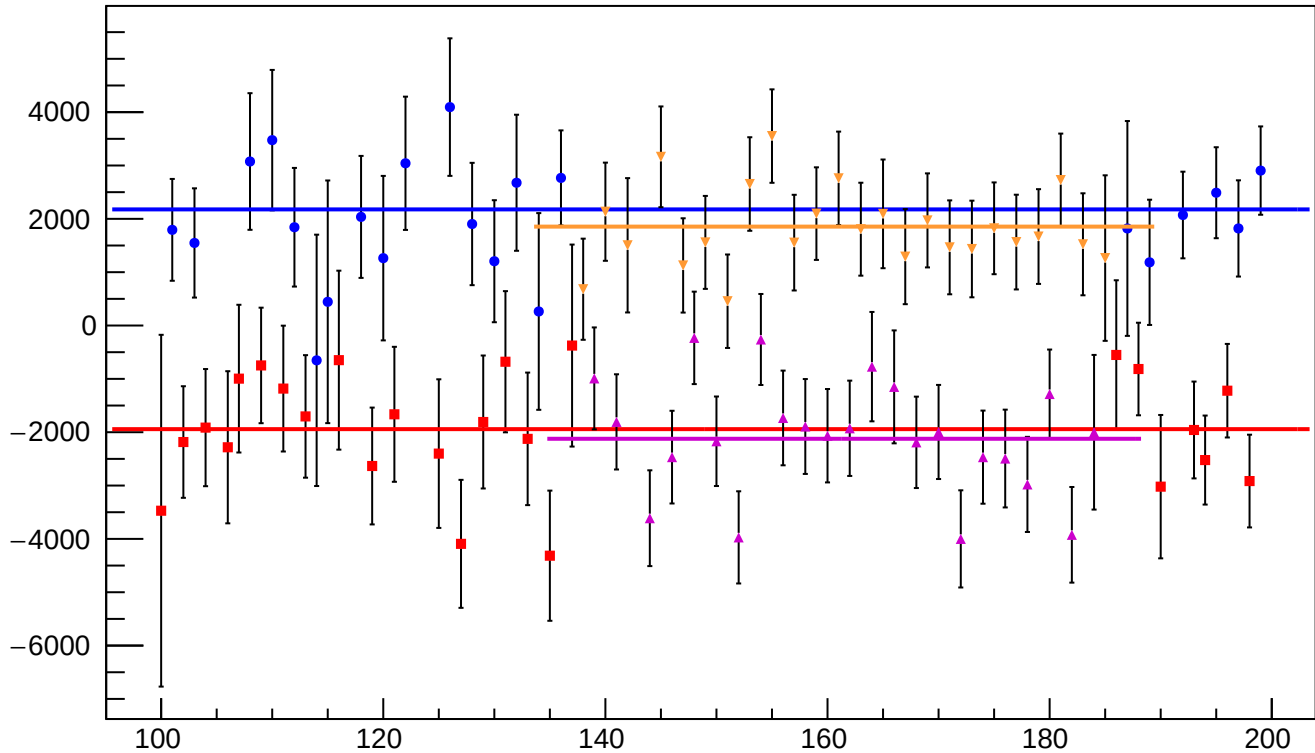


reg_asym_us_avg_mean vs Slug



Right In: 2176.994 $\pm$ 241.884

Left Out: 1854.267 $\pm$ 187.405

Right Out: -1942.471 $\pm$ 231.368

Left In: -2123.138 $\pm$ 188.684

χ^2 /NDF: 11.4/21

χ^2 /NDF: 15.1/23

χ^2 /NDF: 18.0/24

χ^2 /NDF: 32.0/22

+ sign 1975.324 $\pm$ 148.144

All: -64.085 $\pm$ 104.068

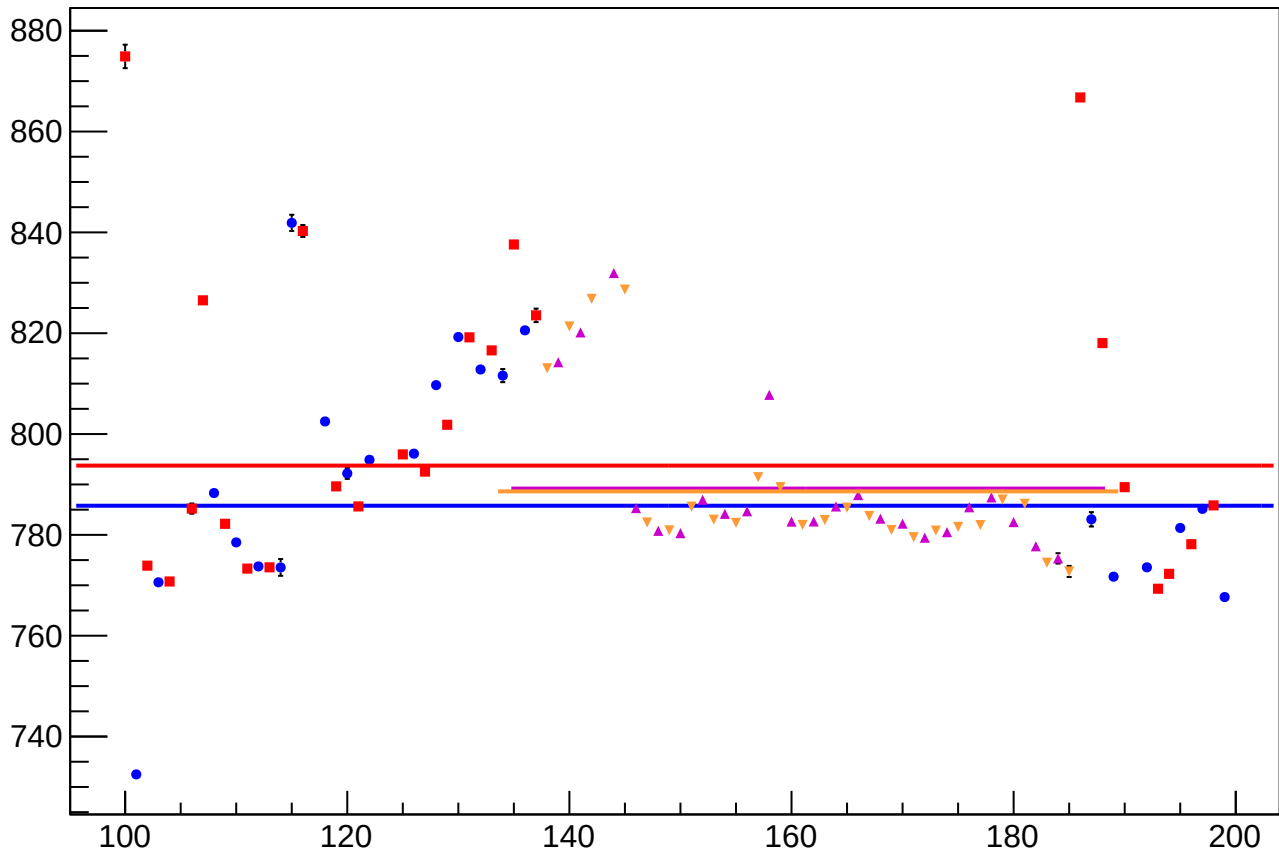
- sign -2050.975 $\pm$ 146.224

χ^2 /NDF: 27.7/45

χ^2 /NDF: 452.2/93

χ^2 /NDF: 50.3/47

reg_asym_us_avg_rms vs Slug



Right In: 785.781 $\pm$ 0.171 χ^2 /NDF: 17621.1/21

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

Right Out: 793.739 $\pm$ 0.164 χ^2 /NDF: 22277.8/24

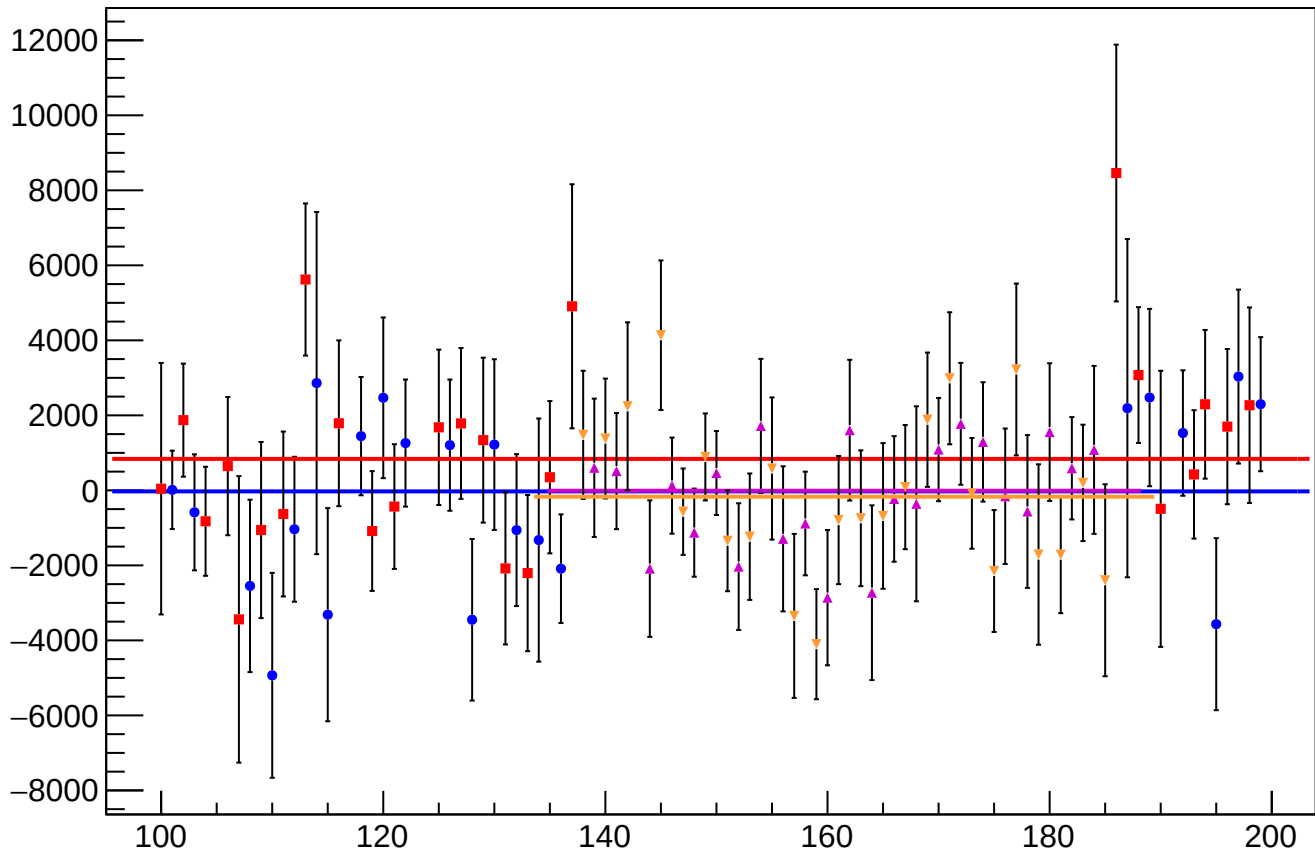
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 787.561 $\pm$ 0.105 χ^2 /NDF: 29272.5/45

All: 789.305 $\pm$ 0.074 χ^2 /NDF: 63906.2/93

- sign 791.004 $\pm$ 0.103 χ^2 /NDF: 34086.4/47

asym_us_avg_correction_mean vs Slug



Right In: -27.040 $\pm$ 412.029 χ^2 /NDF: 23.2/21

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

Right Out: 839.378 $\pm$ 411.889 χ^2 /NDF: 25.9/24

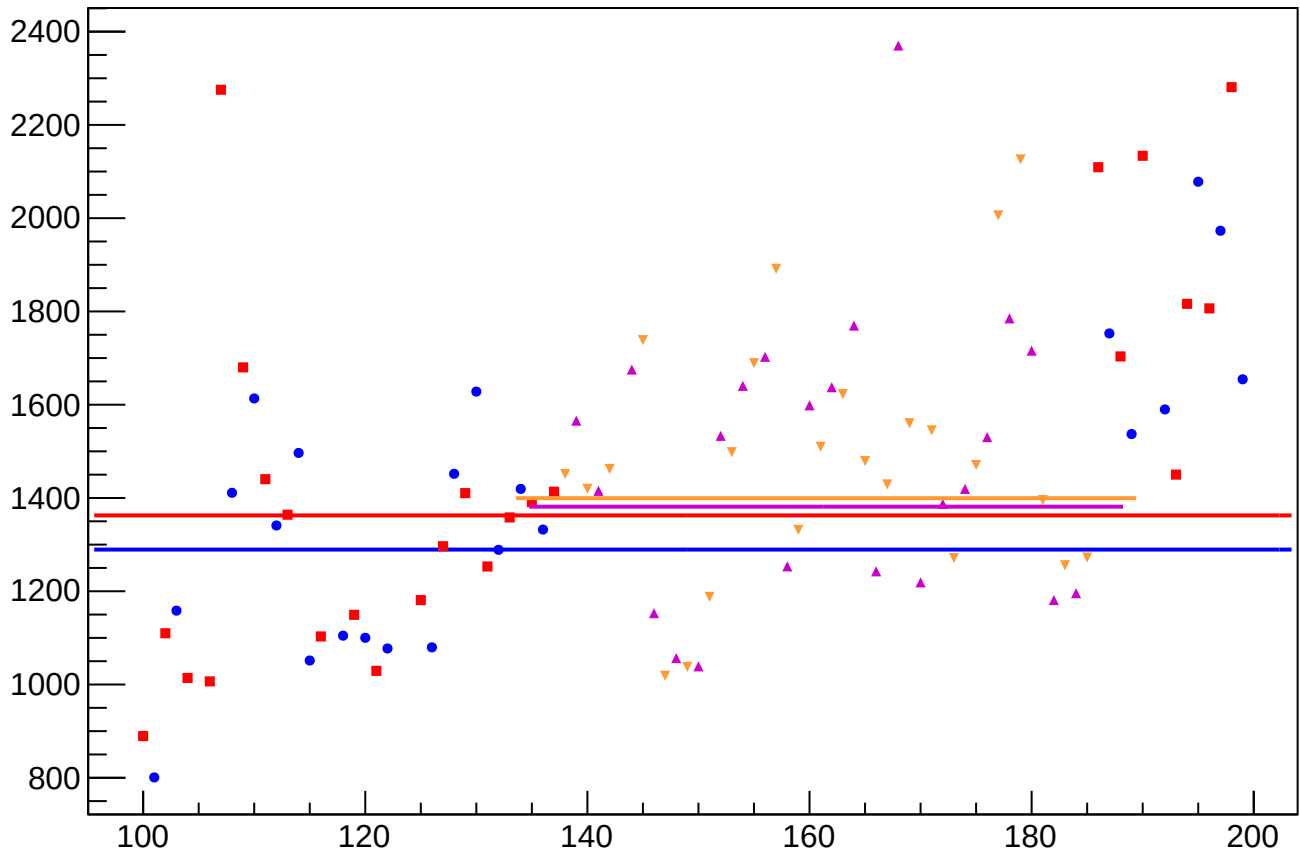
Left In: -10.093 $\pm$ 337.810 χ^2 /NDF:14.2/22

+ sign -111.517 $\pm$ 262.422 χ^2 /NDF: 53.3/45

All: 111.035 $\pm$ 185.126 χ^2 /NDF: 97.4/93

- sign 331.517 $\pm$ 261.199 χ^2 /NDF: 42.7/47

asym_us_avg_correction_rms vs Slug



Right In: 1289.375 $\pm$ 0.291 χ^2 /NDF: 1269969.3/21

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

+ sign 1354.880 $\pm$ 0.186 χ^2 /NDF: 2474144.8/45

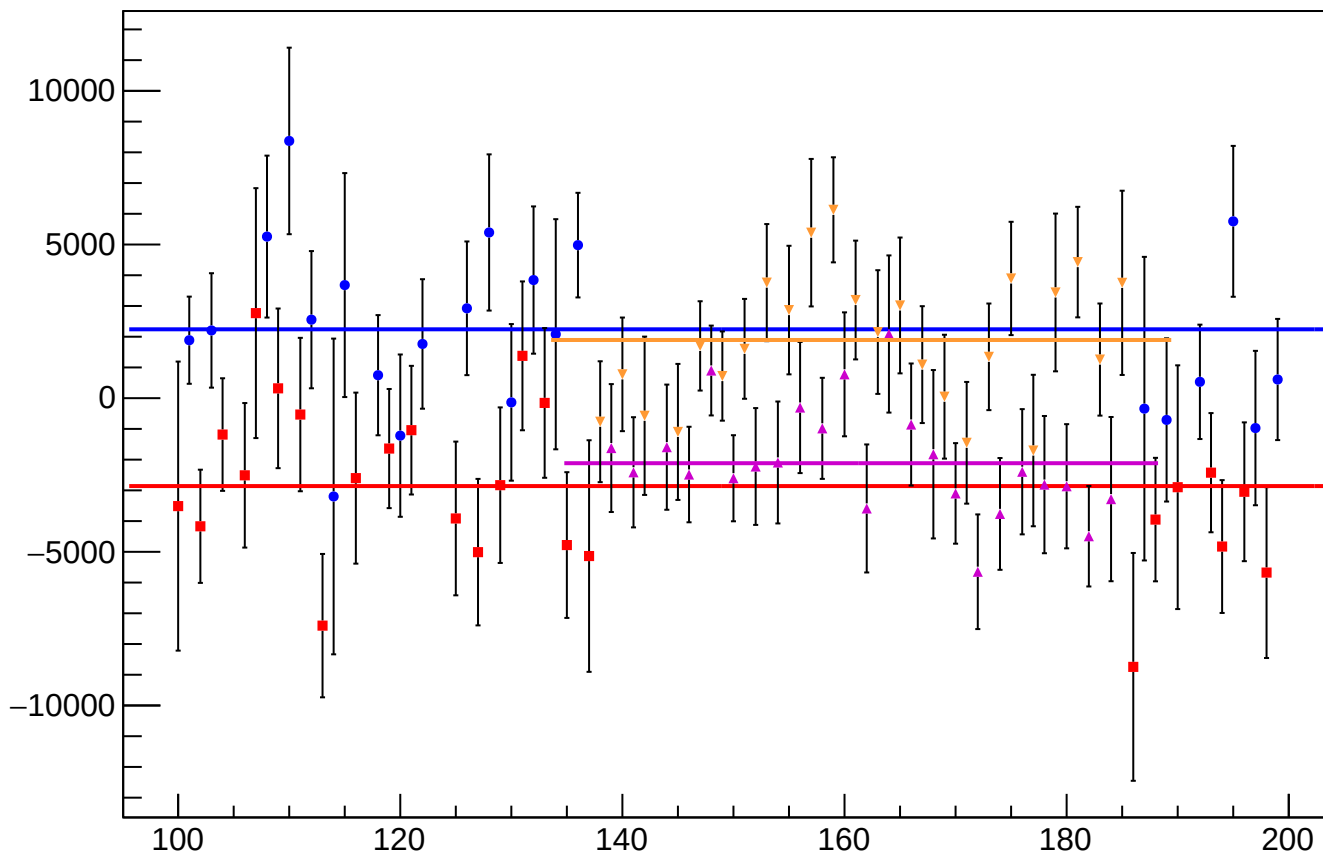
Right Out: 1362.659 $\pm$ 0.291 χ^2 /NDF: 1311760.1/24

All: 1364.403 $\pm$ 0.131 χ^2 /NDF: 5070101.4/93

- sign 1373.838 $\pm$ 0.185 χ^2 /NDF: 2590713.0/47

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

asym_us_avg_mean vs Slug



Right In: 2240.946 $\pm$ 491.109 χ^2/NDF : 21.4/21

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

Right Out: -2860.389 $\pm$ 484.281 χ^2/NDF : 21.6/24

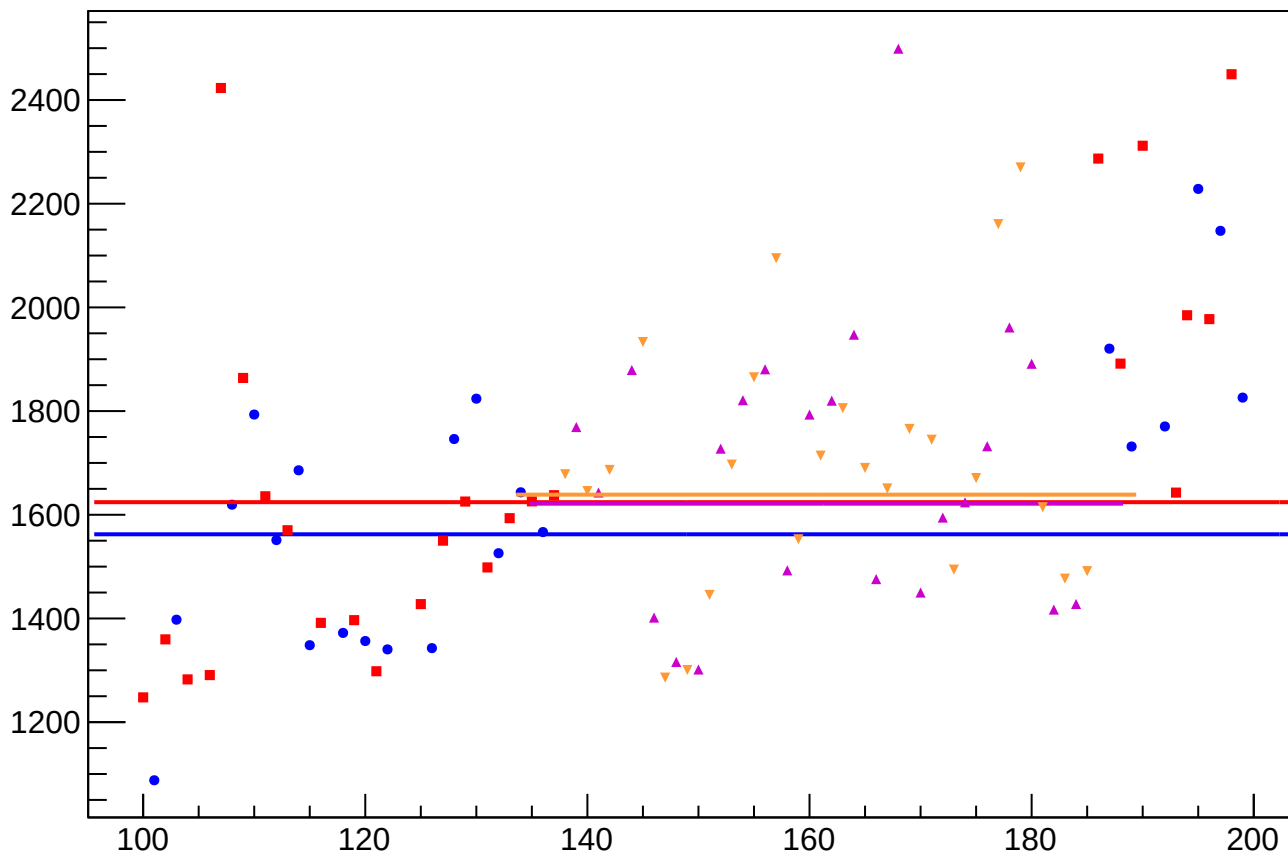
Left In: -2116.114 $\pm$ 392.997 χ^2/NDF : 18.8/22

+ sign 2029.906 $\pm$ 307.738 χ^2/NDF : 47.6/45

All: -209.557 $\pm$ 216.686 χ^2/NDF : 194.5/93

- sign -2411.636 $\pm$ 305.159 χ^2/NDF : 41.9/47

asym_us_avg_rms vs Slug



Right In: 1562.370+/-0.347 χ^2/NDF : 701937.9/21

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

Right Out: 1624.305+/-0.342 χ^2/NDF : 809818.6/24

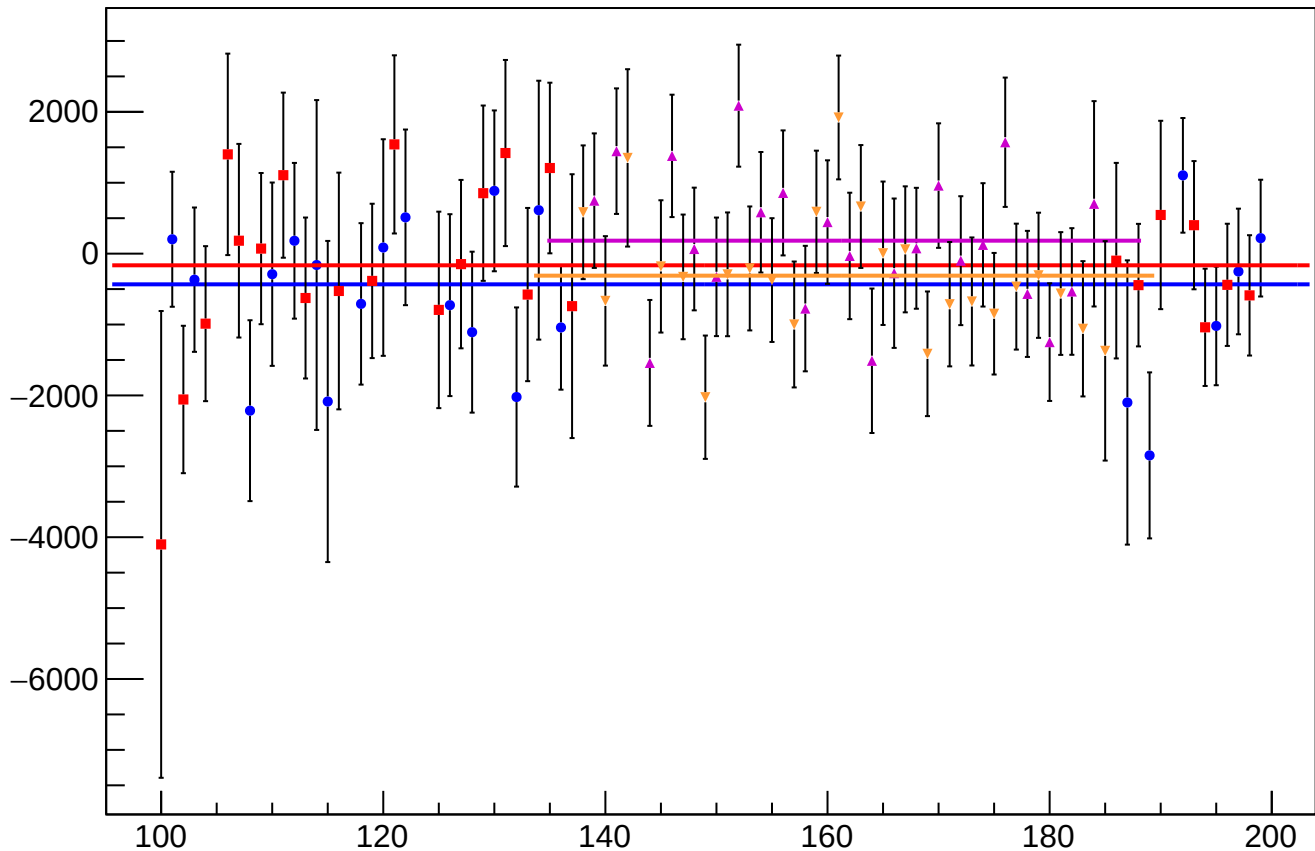
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1608.794+/-0.218 χ^2/NDF : 1403269.2/45

All: 1615.737+/-0.153 χ^2/NDF : 2990459.9/93

- sign 1622.564+/-0.216 χ^2/NDF : 1585171.6/47

reg_asym_us_dd_mean vs Slug



Right In: -432.980 ± 239.660 $\chi^2/\text{NDF}: 17.9/21$

Left Out: -310.563 ± 186.538 $\chi^2/\text{NDF}: 20.0/23$

Right Out: -164.580 ± 228.955 $\chi^2/\text{NDF}: 16.0/24$

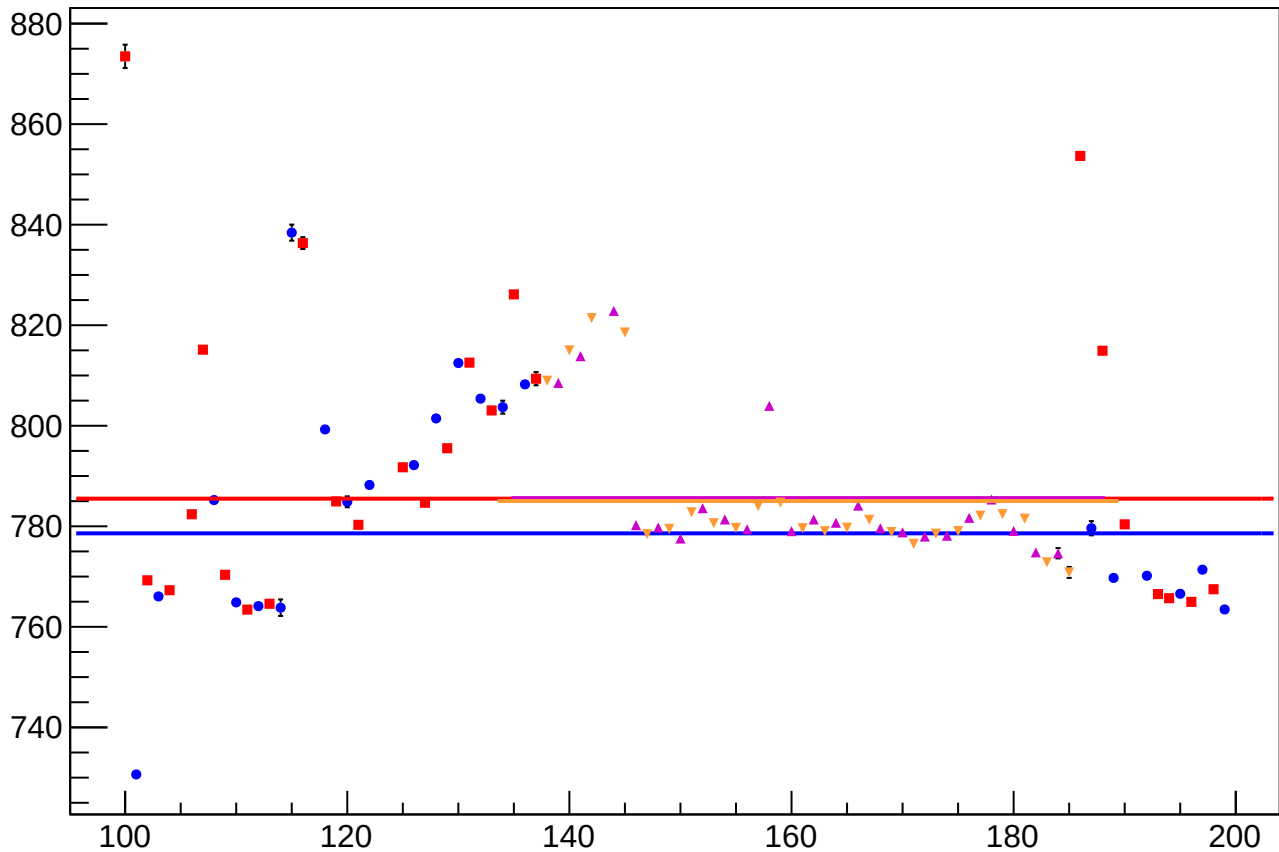
Left In: 182.895 ± 187.817 $\chi^2/\text{NDF}: 26.1/22$

+ sign -356.747 ± 147.204 $\chi^2/\text{NDF}: 38.1/45$

All: -154.085 ± 103.377 $\chi^2/\text{NDF}: 85.4/93$

- sign 43.125 ± 145.210 $\chi^2/\text{NDF}: 43.5/47$

reg_asym_us_dd_rms vs Slug



Right In: 778.598 $\pm$ 0.169 χ^2 /NDF: 16226.7/21

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

Right Out: 785.501 $\pm$ 0.162 χ^2 /NDF: 22454.7/24

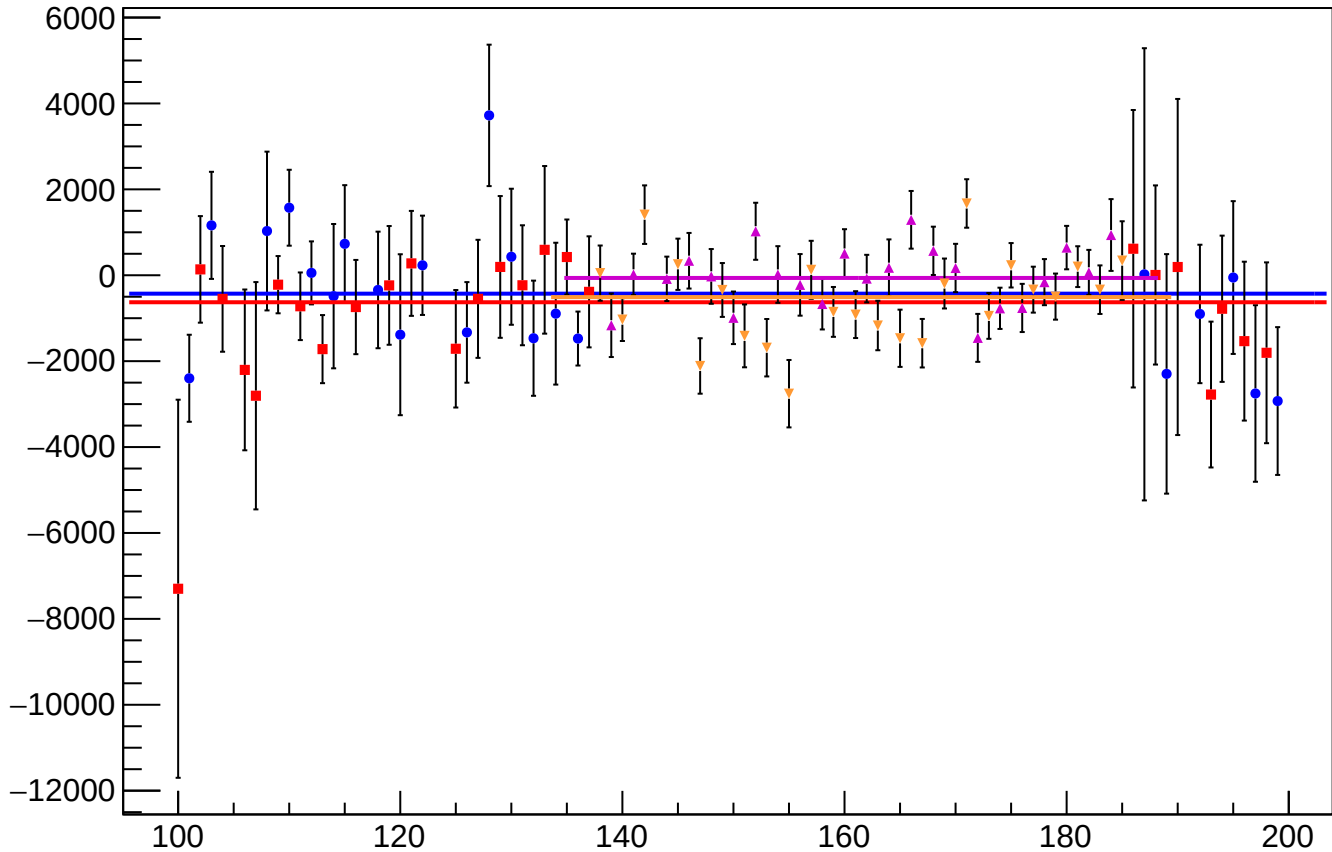
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 782.604 $\pm$ 0.104 χ^2 /NDF: 26491.8/45

All: 784.100 $\pm$ 0.073 χ^2 /NDF: 58728.0/93

- sign 785.556 $\pm$ 0.103 χ^2 /NDF: 31828.6/47

asym_us_dd_correction_mean vs Slug



Right In: -428.644 ± 268.126 χ^2/NDF : 27.6/21

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

Right Out: -628.583 ± 258.309 χ^2/NDF : 12.3/24

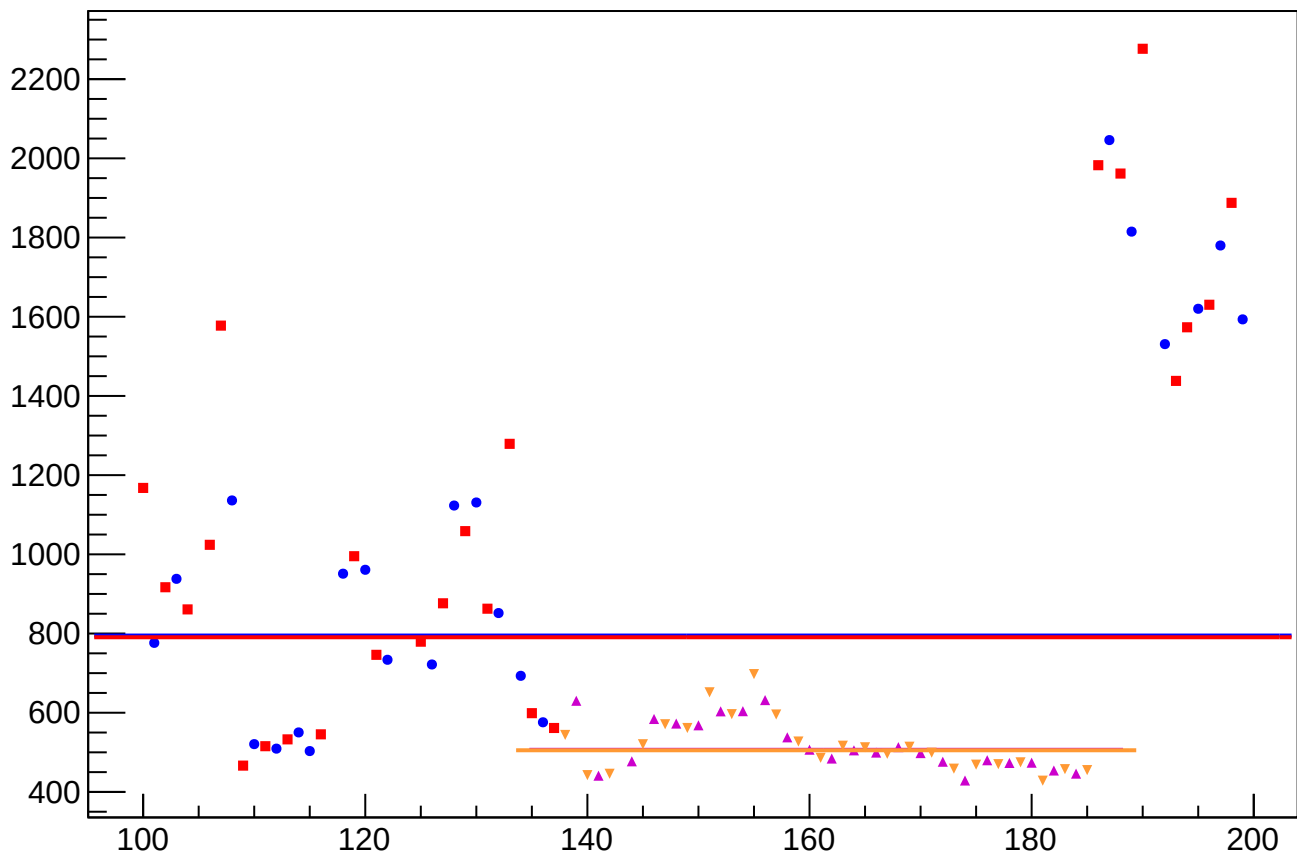
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -495.627 ± 110.434 χ^2/NDF : 88.2/45

All: -330.700 ± 78.058 χ^2/NDF : 137.6/93

- sign -166.027 ± 110.349 χ^2/NDF : 45.0/47

asym_us_dd_correction_rms vs Slug



Right In: 794.924+/-0.190 χ^2/NDF : 3322428.7/21

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

Right Out: 790.581+/-0.183 χ^2/NDF : 4536649.8/24

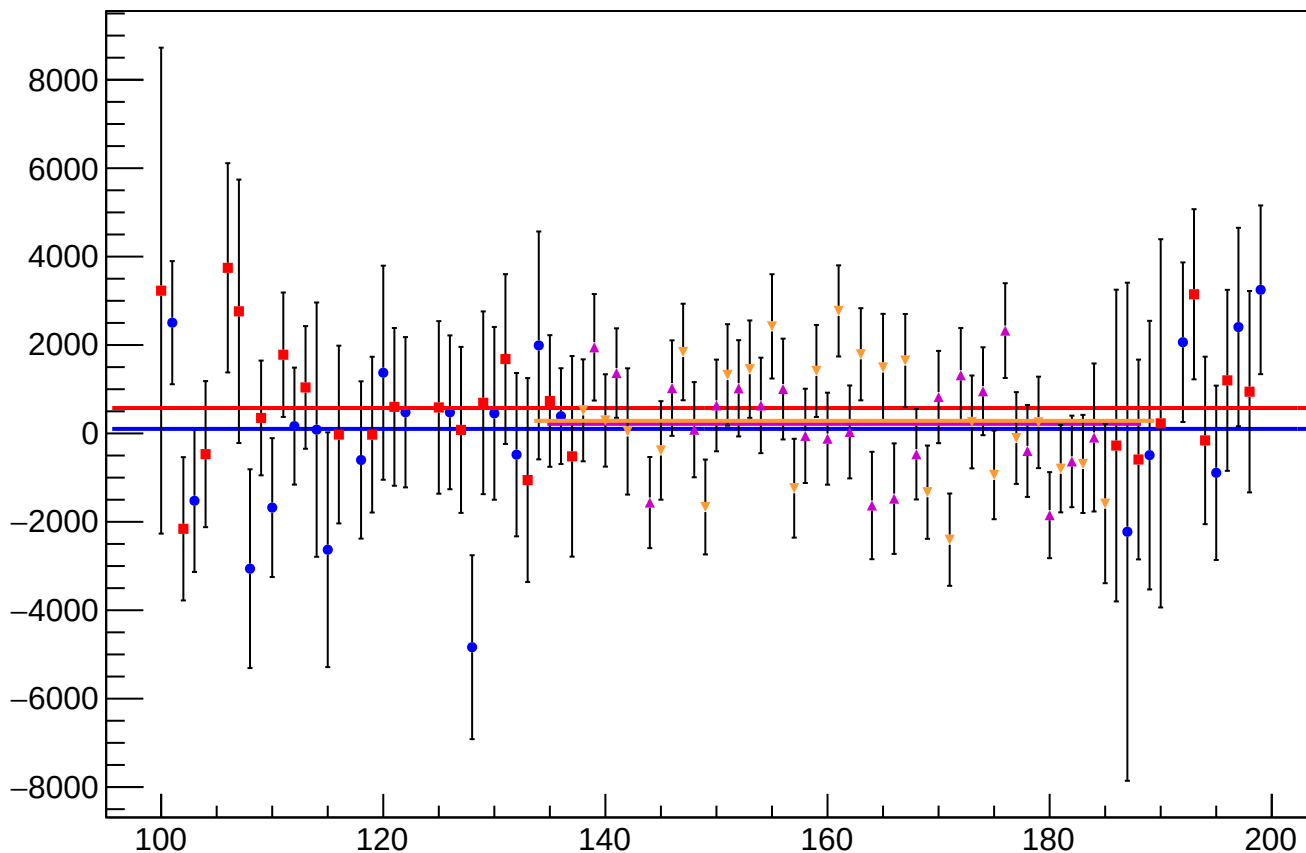
Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

+ sign 554.365+/-0.078 χ^2/NDF : 5746790.2/45

All: 556.307+/-0.055 χ^2/NDF : 12700172.4/93

- sign 558.246+/-0.078 χ^2/NDF : 6952146.4/47

asym_us_dd_mean vs Slug



Right In: 102.387 $\pm$ 393.300 χ^2 /NDF: 20.6/21

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

Right Out: 574.669 $\pm$ 384.281 χ^2 /NDF: 10.4/24

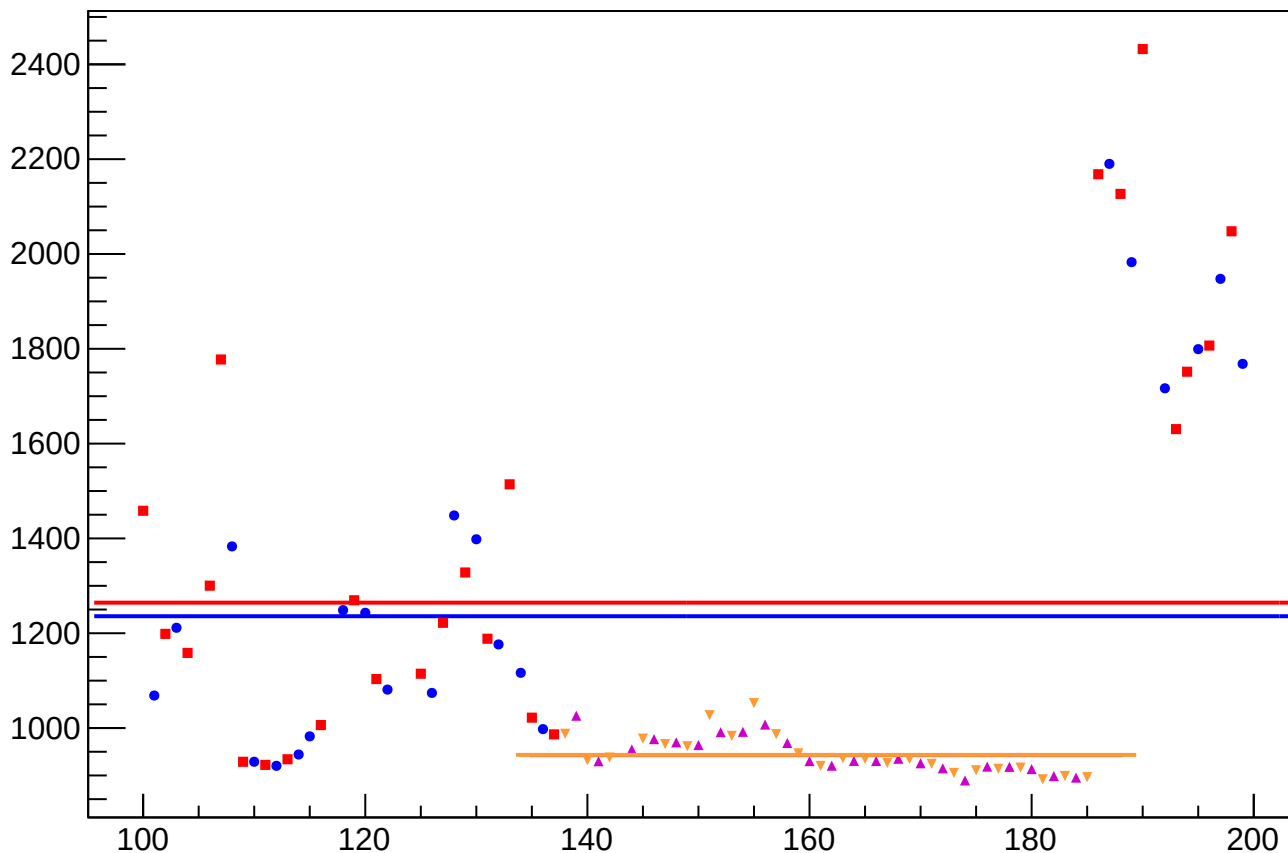
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 240.268 $\pm$ 194.892 χ^2 /NDF: 59.1/45

All: 274.204 $\pm$ 137.689 χ^2 /NDF: 94.6/93

- sign 308.022 $\pm$ 194.552 χ^2 /NDF: 35.5/47

asym_us_dd_rms vs Slug



Right In: 1235.896+/-0.278 χ^2/NDF : 1278081.9/21

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

Right Out: 1264.521+/-0.272 χ^2/NDF : 1774269.1/24

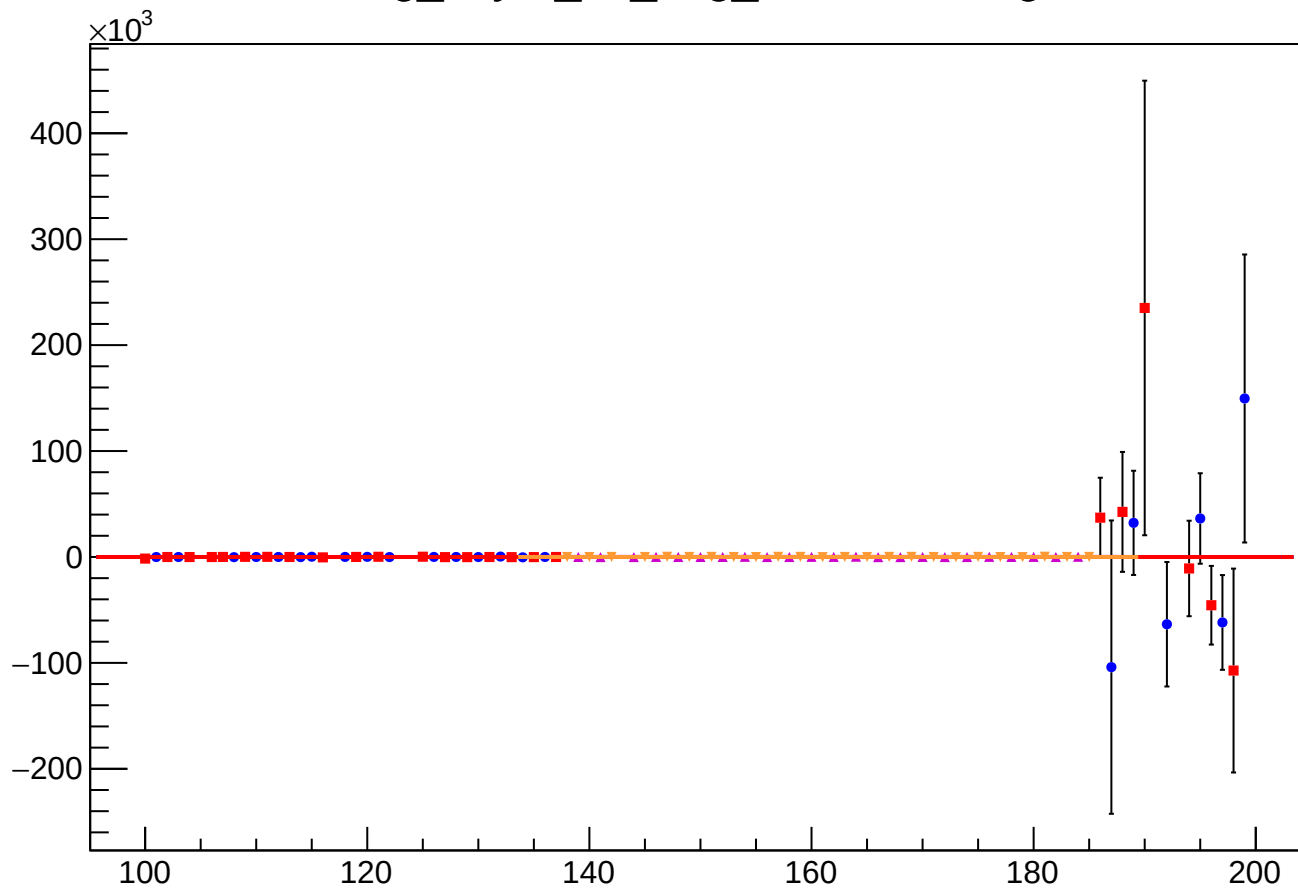
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1015.185+/-0.138 χ^2/NDF : 2173280.4/45

All: 1020.279+/-0.097 χ^2/NDF : 5040374.0/93

- sign 1025.356+/-0.138 χ^2/NDF : 2864365.7/47

reg_asym_ds_avg_mean vs Slug



Right In: -15.563 ± 30.032 χ^2/NDF : 22.0/21

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

Right Out: -31.759 ± 30.492 χ^2/NDF : 22.3/23

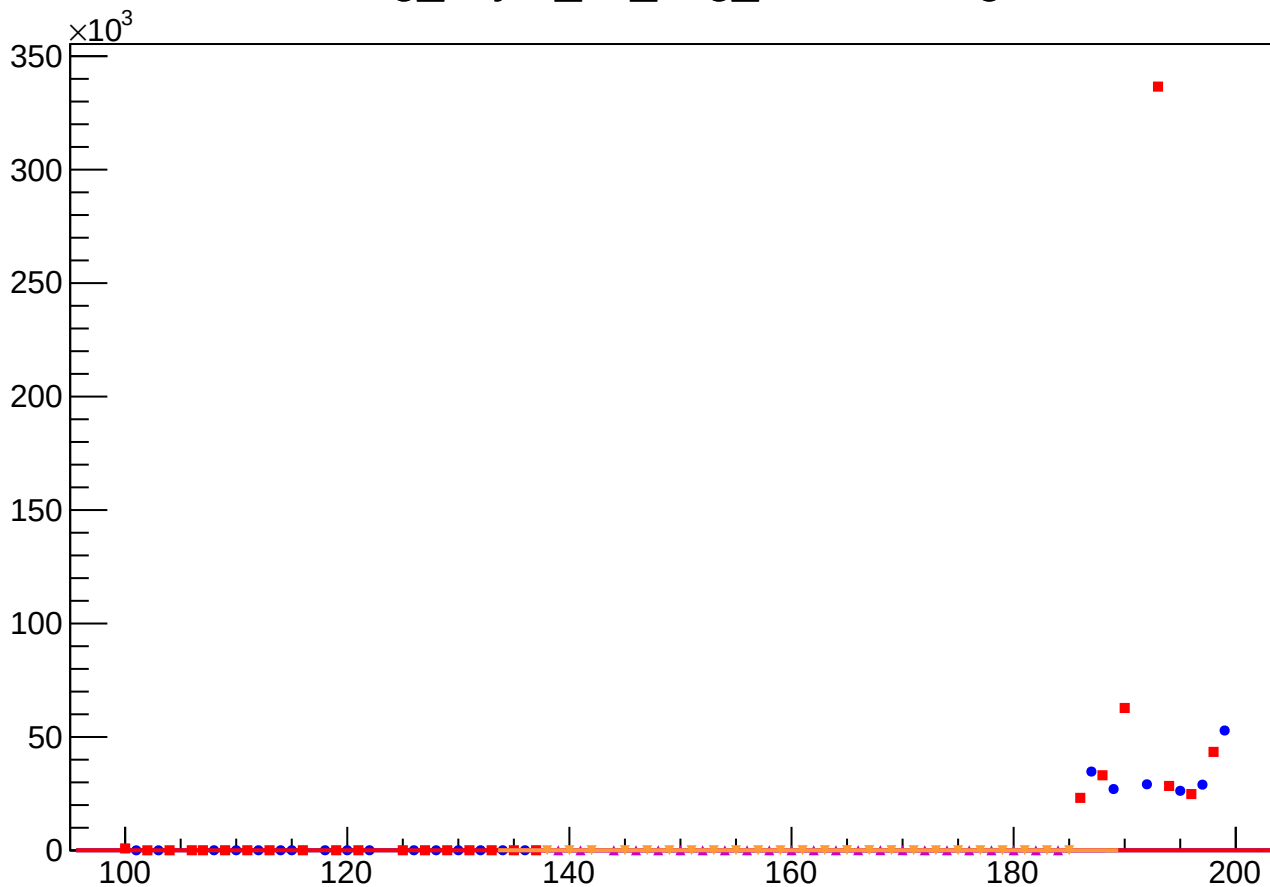
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.807 ± 17.464 χ^2/NDF : 44.7/45

All: 0.901 ± 12.403 χ^2/NDF : 91.7/92

- sign 4.674 ± 17.617 χ^2/NDF : 47.0/46

reg_asym_ds_avg_rms vs Slug



Right In: 76.102 $\pm$ 0.021 χ^2 /NDF: 3585589.6/21

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

Right Out: 79.432 $\pm$ 0.022 χ^2 /NDF: 4185355.4/24

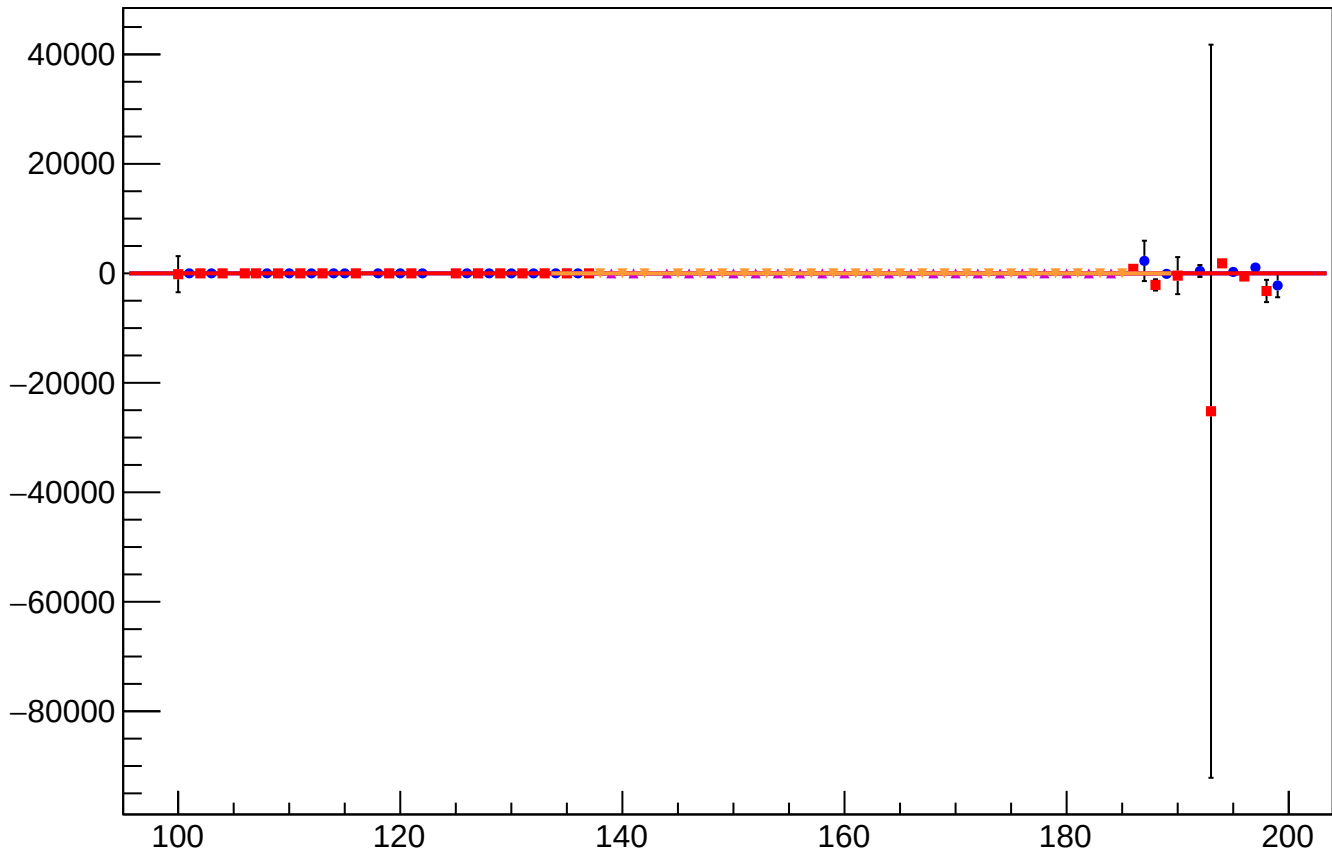
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.096 $\pm$ 0.012 χ^2 /NDF: 4322925.8/45

All: 85.645 $\pm$ 0.009 χ^2 /NDF: 9168803.9/93

- sign 86.203 $\pm$ 0.012 χ^2 /NDF: 4841900.1/47

asym_ds_avg_correction_mean vs Slug



Right In: -0.289 ± 0.502 χ^2/NDF : 24.0/21

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

Right Out: -0.039 ± 0.525 χ^2/NDF : 22.8/24

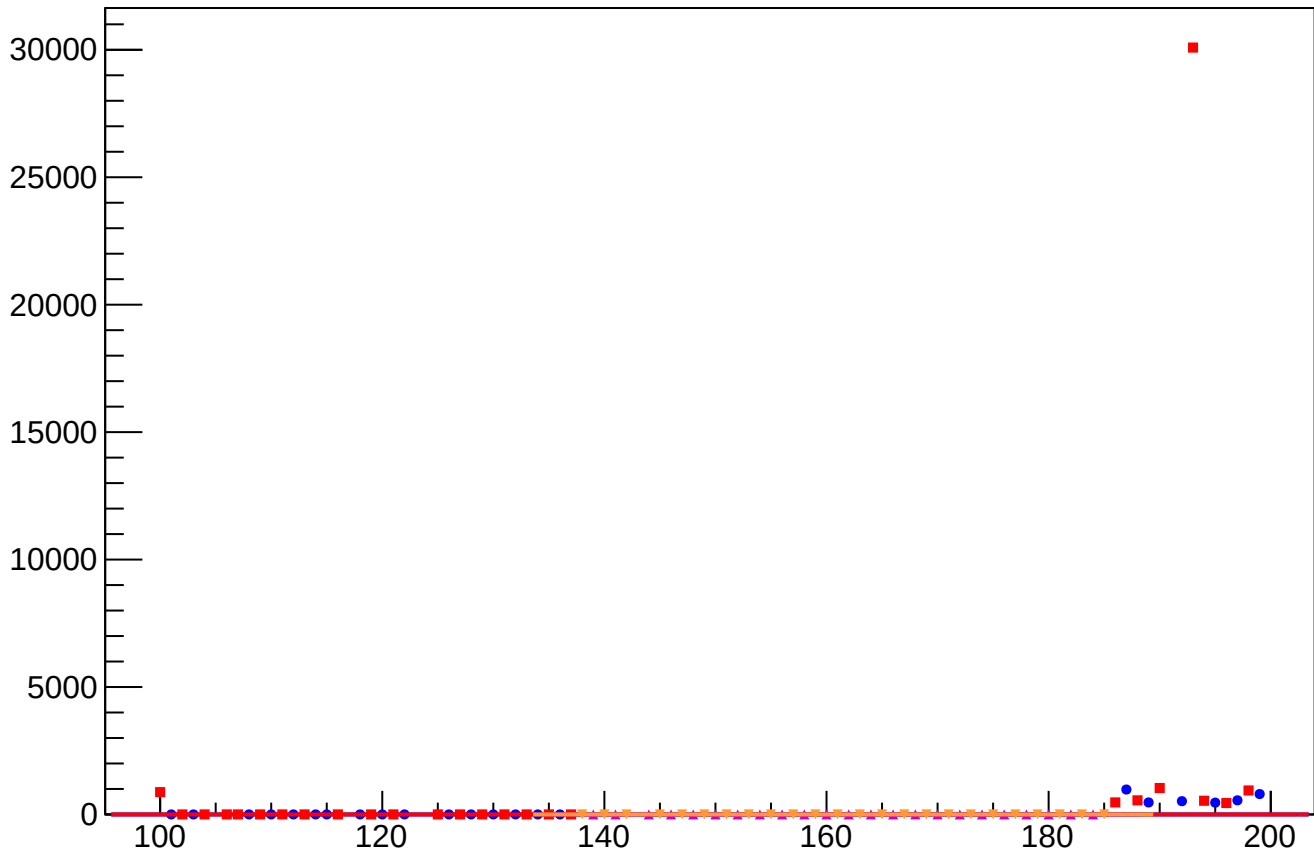
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 ± 0.301 χ^2/NDF : 45.8/45

All: 0.144 ± 0.217 χ^2/NDF : 96.3/93

- sign 0.323 ± 0.312 χ^2/NDF : 49.9/47

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 3284761.5/21

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

Right Out: 1.260+/-0.000 χ^2/NDF : 4291537.2/24

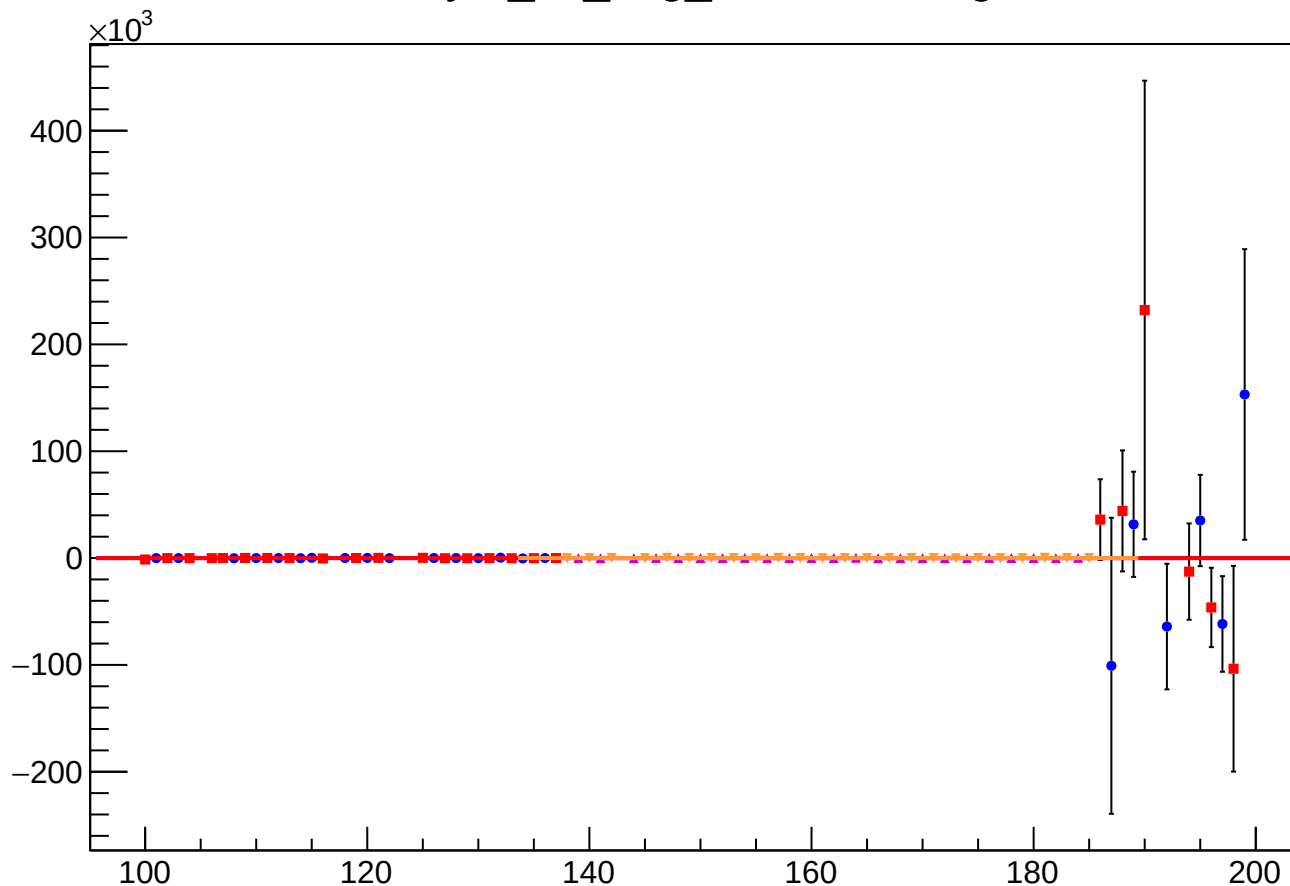
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 4604290.6/45

All: 1.349+/-0.000 χ^2/NDF : 10118052.5/93

- sign 1.385+/-0.000 χ^2/NDF : 5463044.9/47

asym_ds_avg_mean vs Slug



Right In: -14.500 ± 30.040 χ^2/NDF : 22.2/21

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

Right Out: -32.039 ± 30.500 χ^2/NDF : 22.3/23

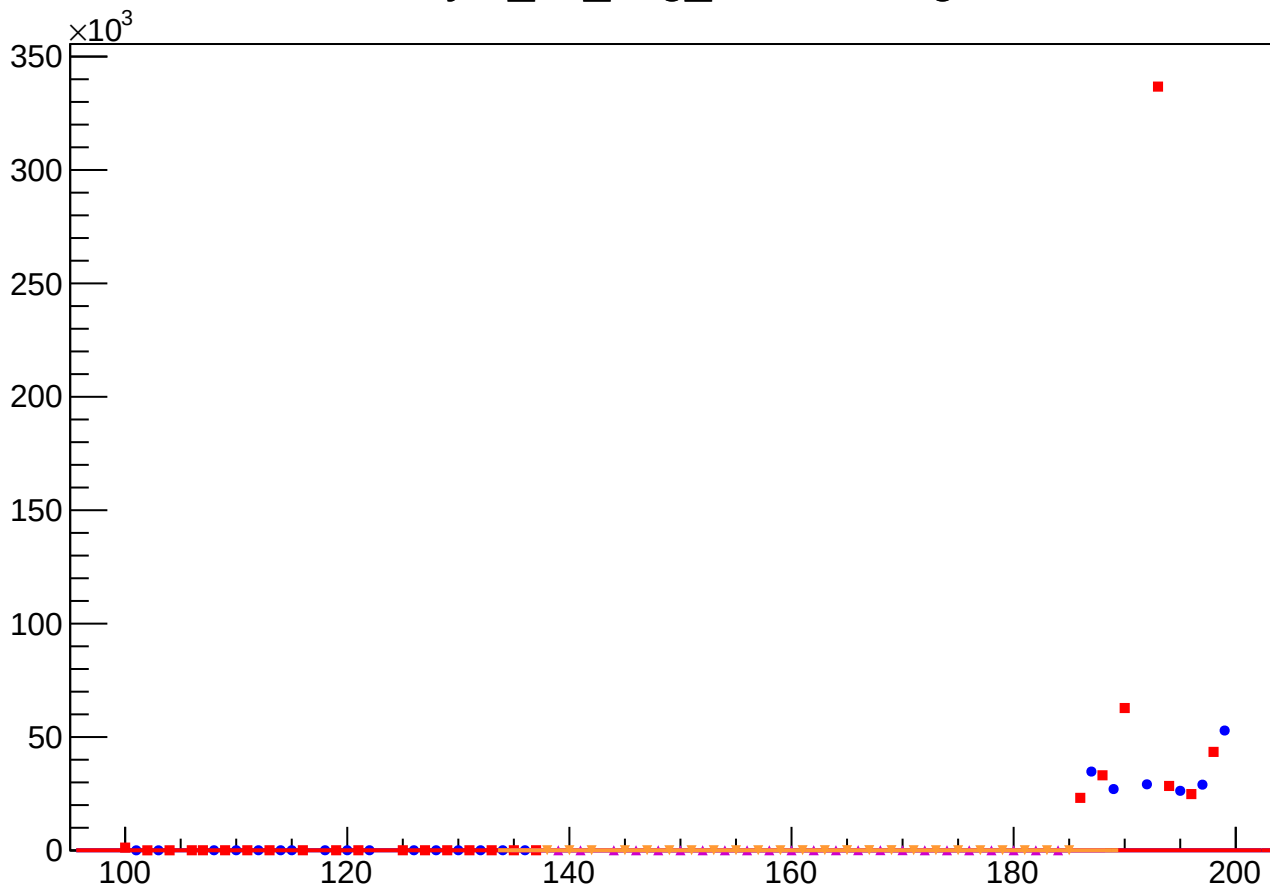
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -2.590 ± 17.470 χ^2/NDF : 44.5/45

All: 0.804 ± 12.407 χ^2/NDF : 91.3/92

- sign 4.257 ± 17.623 χ^2/NDF : 46.7/46

asym_ds_avg_rms vs Slug



Right In: 76.122 $\pm$ 0.021 χ^2/NDF : 3585646.1/21

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

Right Out: 79.435 $\pm$ 0.022 χ^2/NDF : 4191941.6/24

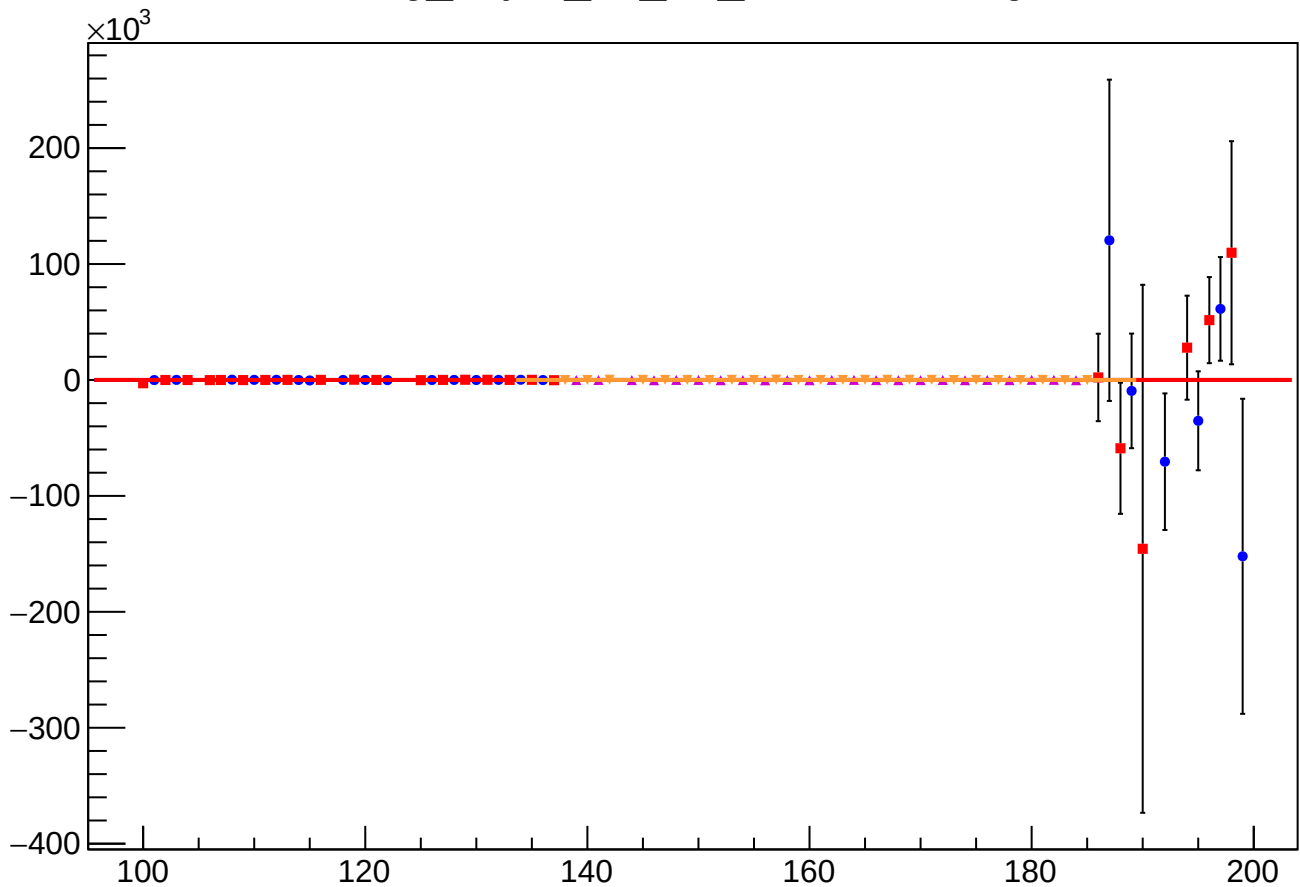
Left In: 89.622 $\pm$ 0.015 χ^2/NDF : 509391.8/22

+ sign 85.120 $\pm$ 0.012 χ^2/NDF : 4323852.1/45

All: 85.666 $\pm$ 0.009 χ^2/NDF : 9177748.1/93

- sign 86.221 $\pm$ 0.012 χ^2/NDF : 4849958.9/47

reg_asym_ds_dd_mean vs Slug



Right In: 8.100 ± 30.012 χ^2/NDF : 20.1/21

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

Right Out: 25.814 ± 30.473 χ^2/NDF : 17.9/23

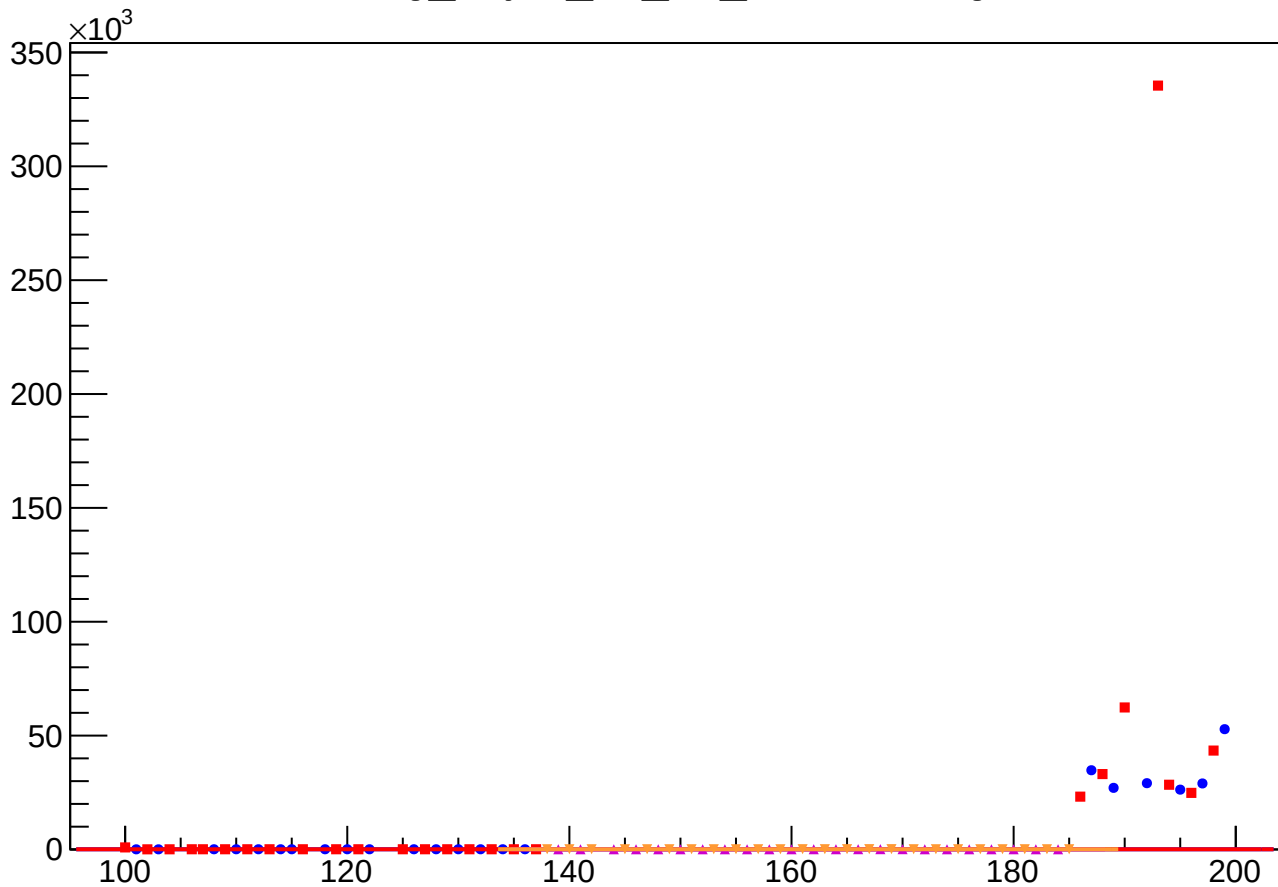
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.845 ± 17.463 χ^2/NDF : 37.3/45

All: -3.570 ± 12.403 χ^2/NDF : 91.8/92

- sign -20.279 ± 17.618 χ^2/NDF : 52.8/46

reg_asym_ds_dd_rms vs Slug



Right In: 76.053 $\pm$ 0.021 χ^2 /NDF: 3584603.9/21

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

Right Out: 79.383 $\pm$ 0.022 χ^2 /NDF: 4184799.9/24

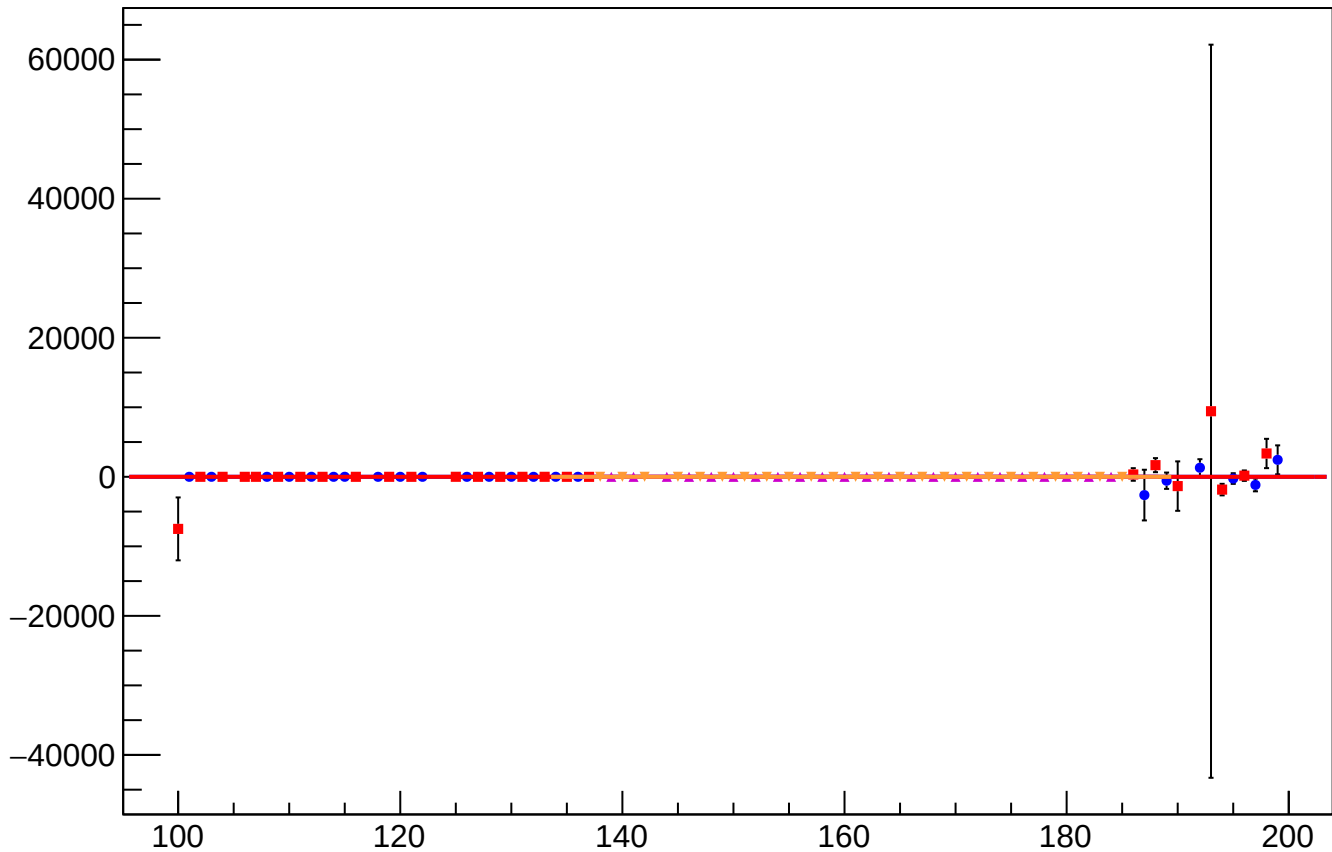
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.087 $\pm$ 0.012 χ^2 /NDF: 4323720.3/45

All: 85.640 $\pm$ 0.009 χ^2 /NDF: 9174086.2/93

- sign 86.203 $\pm$ 0.012 χ^2 /NDF: 4846319.5/47

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 16.9/21

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

Right Out: -0.347 ± 0.549 χ^2/NDF : 24.0/24

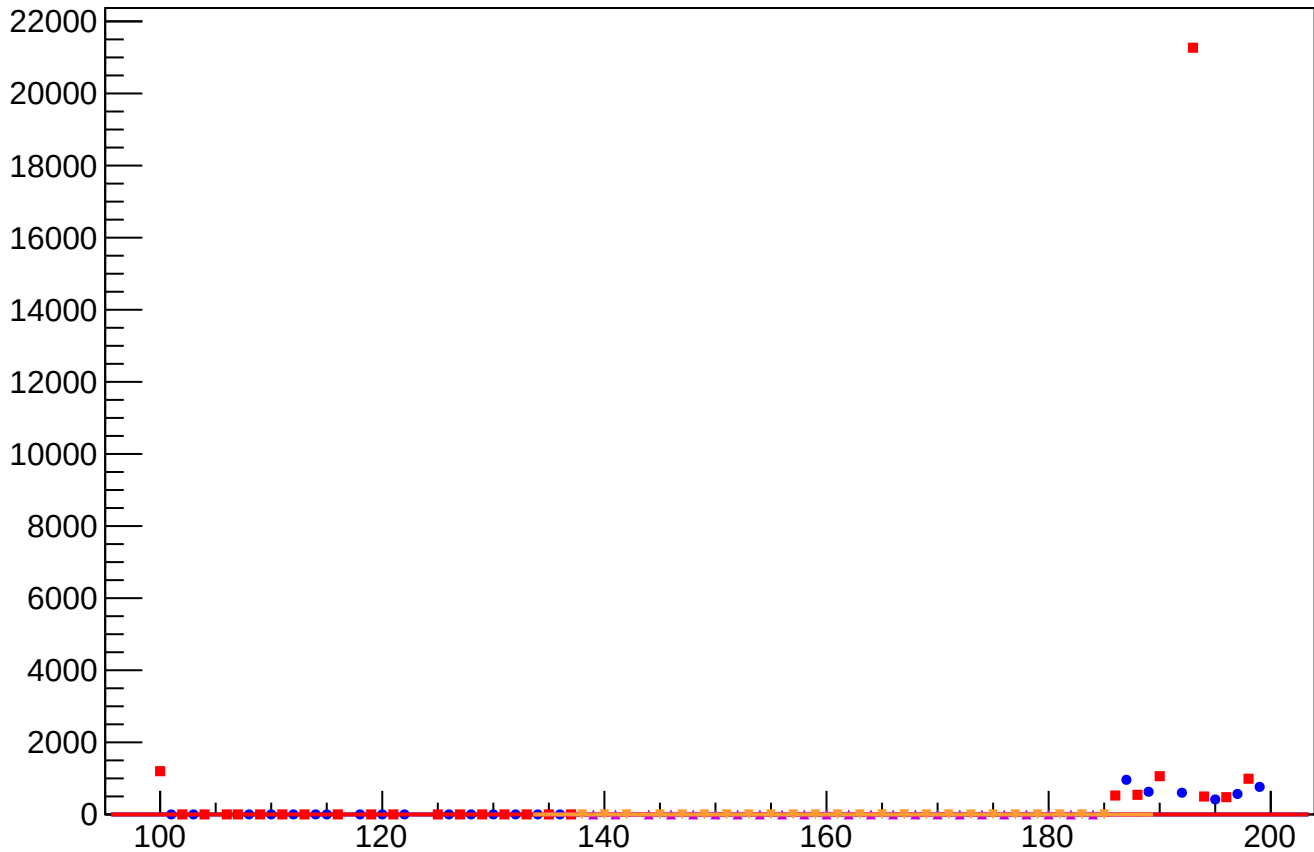
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 42.1/45

All: -0.045 ± 0.224 χ^2/NDF : 86.9/93

- sign -0.069 ± 0.318 χ^2/NDF : 44.8/47

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 3427605.9/21

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

Right Out: 1.316+/-0.000 χ^2/NDF : 4249767.2/24

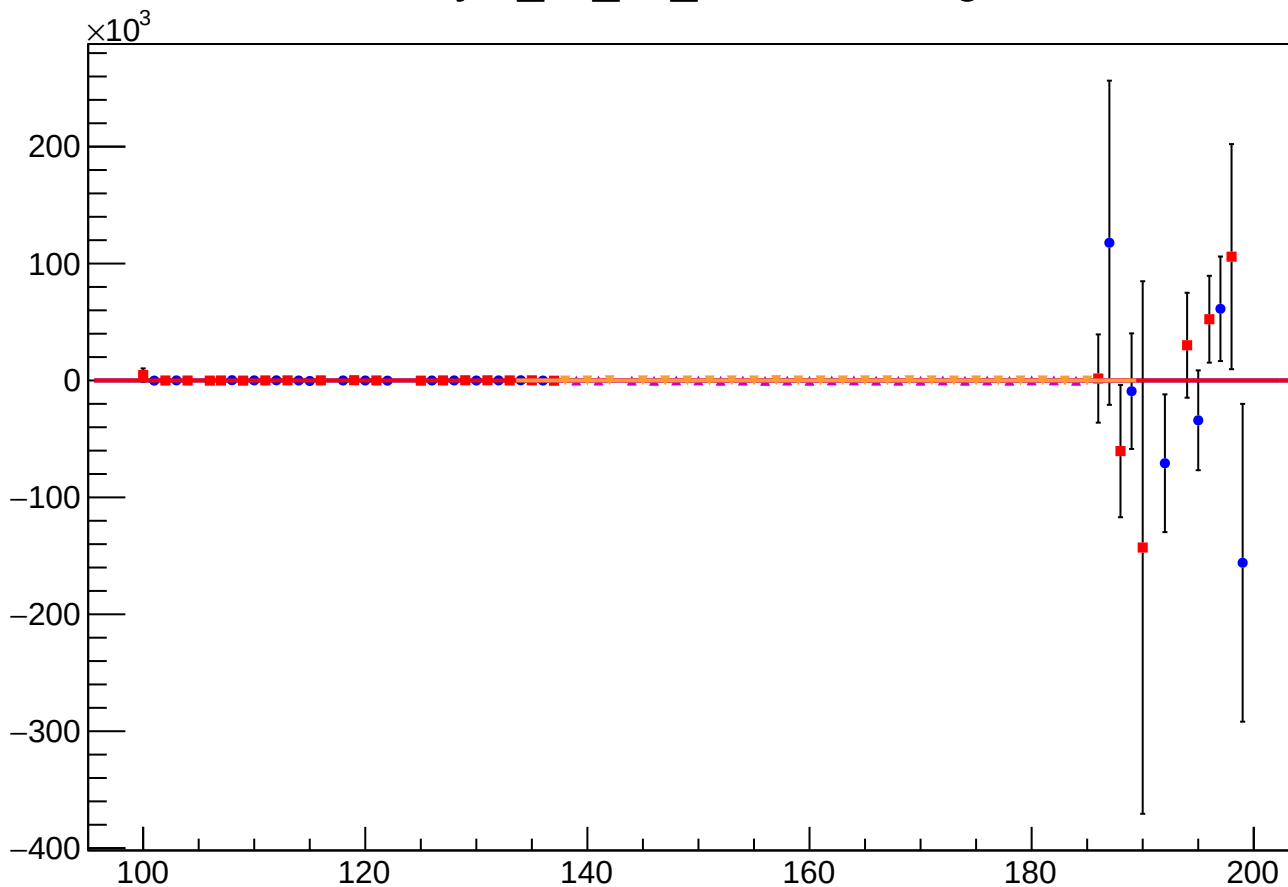
Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 4839524.9/45

All: 1.400+/-0.000 χ^2/NDF : 10236695.5/93

- sign 1.412+/-0.000 χ^2/NDF : 5390825.1/47

asym_ds_dd_mean vs Slug



Right In: 7.393 ± 30.020 χ^2/NDF : 19.9/21

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

Right Out: 26.425 ± 30.482 χ^2/NDF : 18.2/23

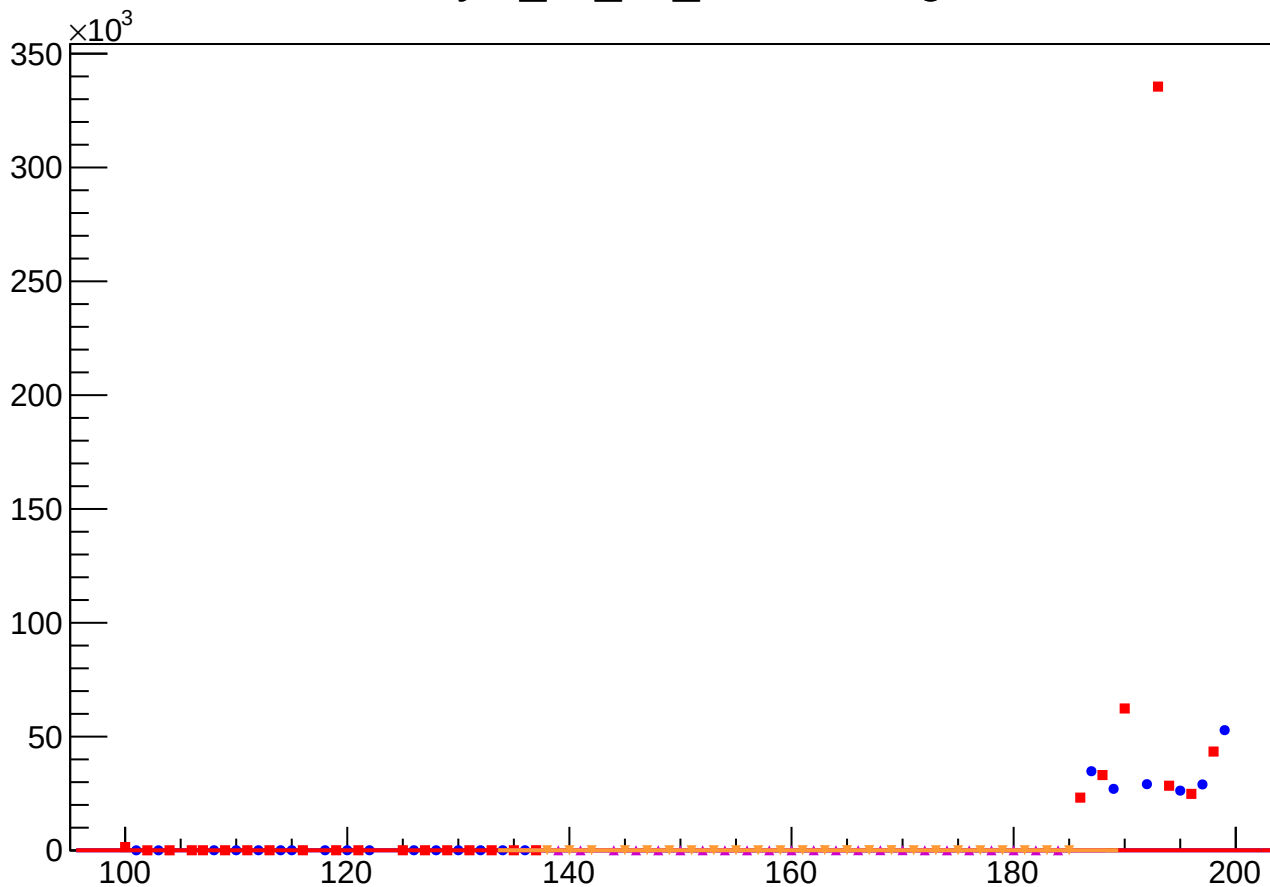
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.934 ± 17.468 χ^2/NDF : 37.0/45

All: -3.583 ± 12.407 χ^2/NDF : 91.7/92

- sign -20.395 ± 17.624 χ^2/NDF : 52.8/46

asym_ds_dd_rms vs Slug



Right In: 76.073 $\pm$ 0.021 χ^2 /NDF: 3584697.0/21

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

Right Out: 79.380 $\pm$ 0.022 χ^2 /NDF: 4194101.1/24

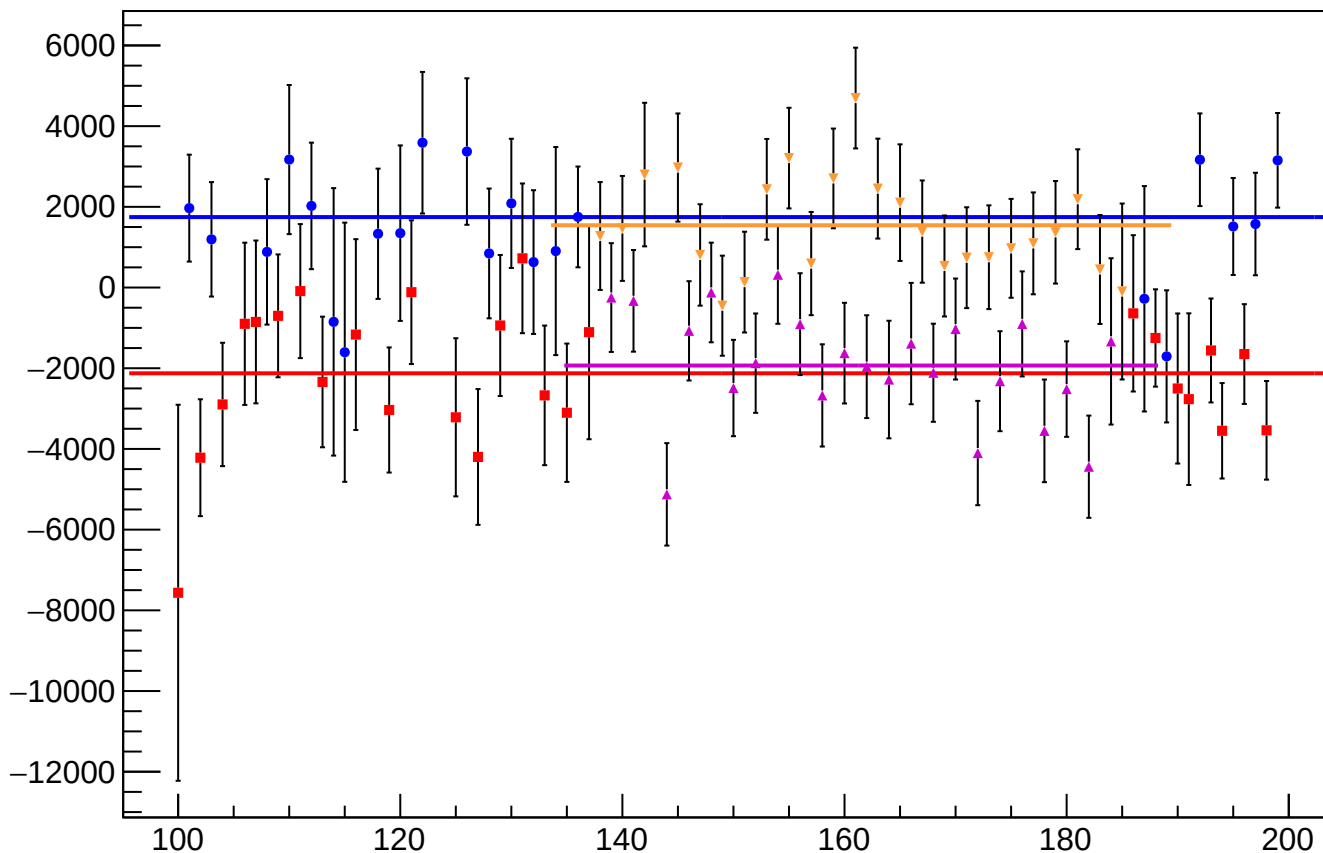
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.112 $\pm$ 0.012 χ^2 /NDF: 4324686.2/45

All: 85.661 $\pm$ 0.009 χ^2 /NDF: 9185893.5/93

- sign 86.220 $\pm$ 0.012 χ^2 /NDF: 4857223.0/47

reg_asym_usl_mean vs Slug



Right In: 1746.160 $\pm$ 339.653 χ^2 /NDF: 13.6/21

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

Right Out: -2125.305 $\pm$ 321.370 χ^2 /NDF: 18.3/25

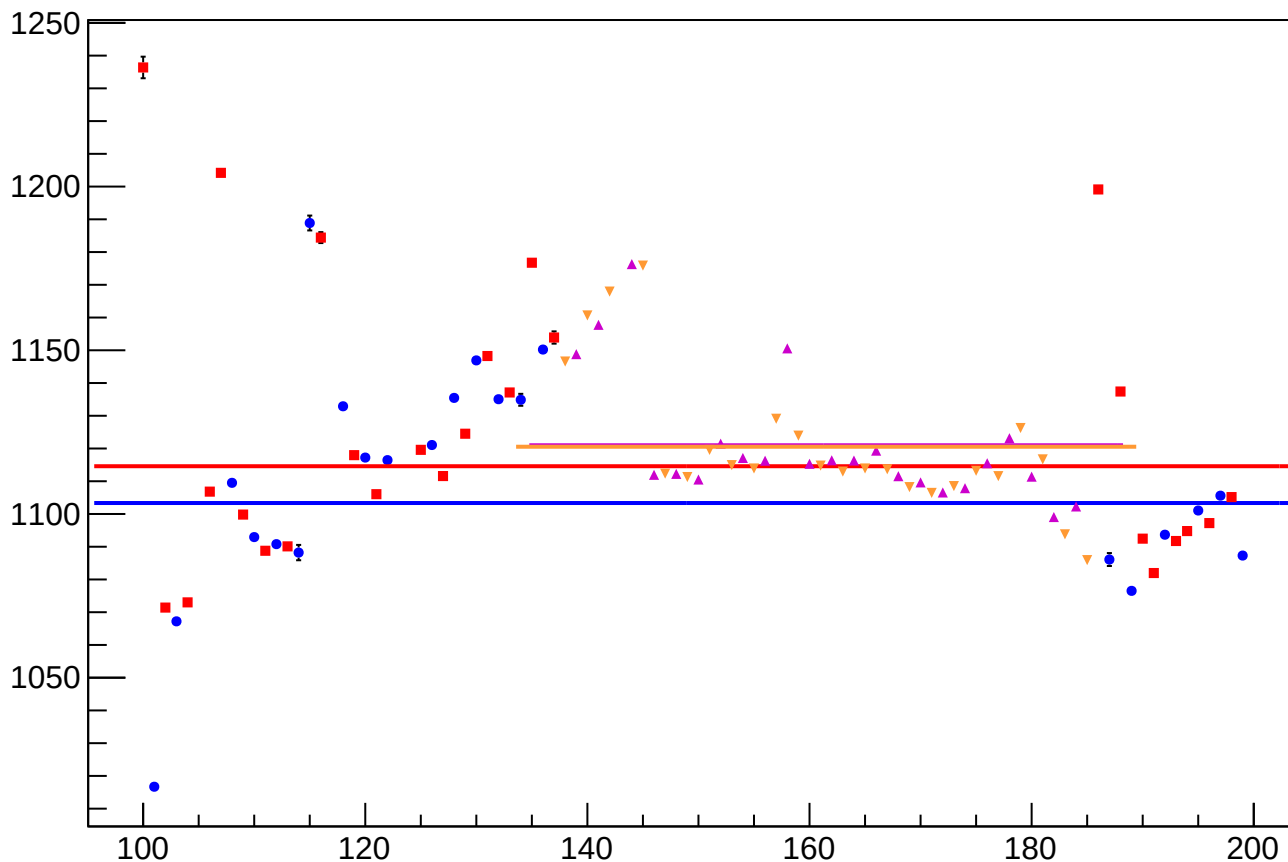
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF: 27.0/22

+ sign 1621.014 $\pm$ 209.553 χ^2 /NDF: 33.8/45

All: -228.029 $\pm$ 146.841 χ^2 /NDF: 232.2/94

- sign -2011.882 $\pm$ 205.826 χ^2 /NDF: 45.5/48

reg_asym_usl_rms vs Slug



Right In: 1103.351 $\pm$ 0.240 χ^2 /NDF: 19752.8/21

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

Right Out: 1114.588 $\pm$ 0.227 χ^2 /NDF: 22658.5/25

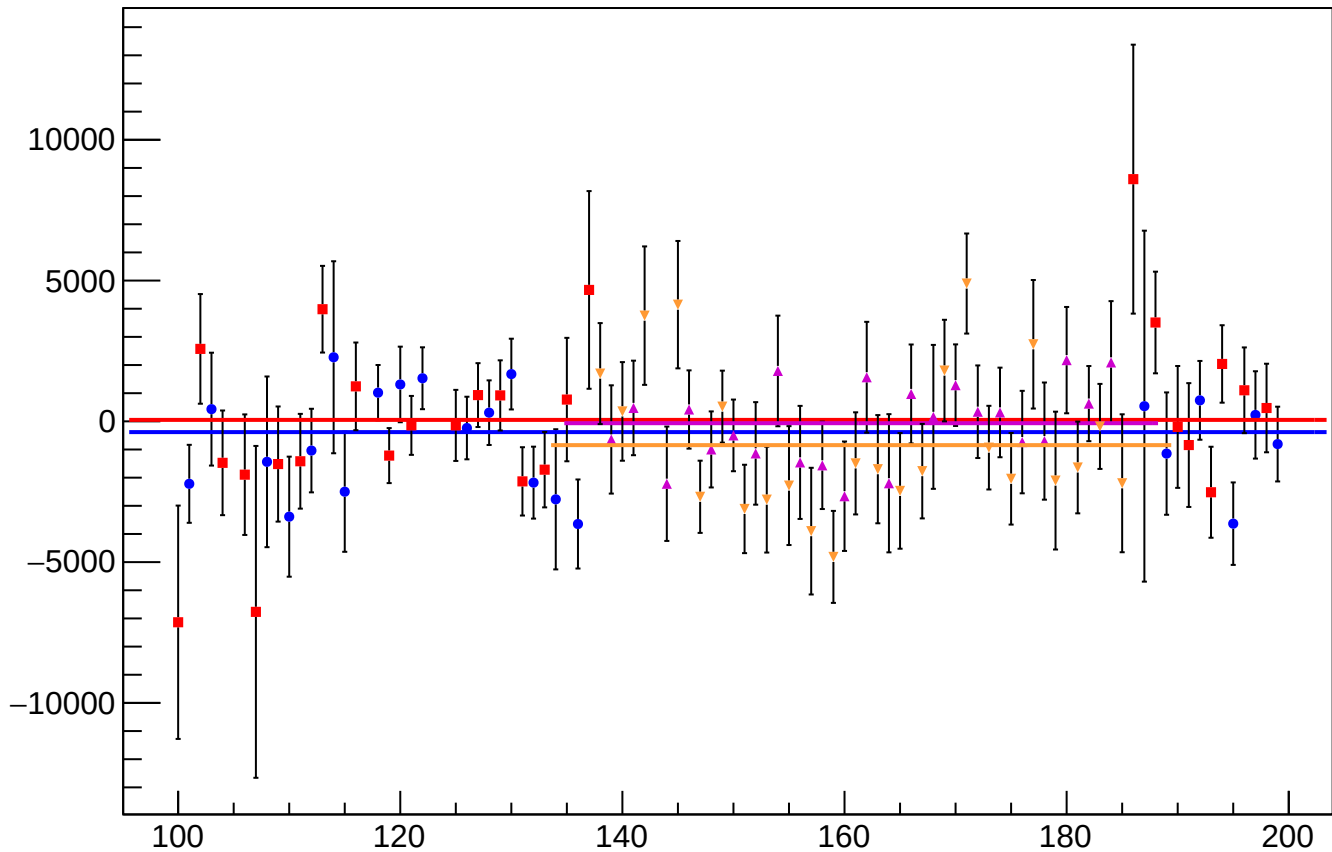
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1113.999 $\pm$ 0.148 χ^2 /NDF: 33179.0/45

All: 1116.221 $\pm$ 0.104 χ^2 /NDF: 66389.3/94

- sign 1118.364 $\pm$ 0.146 χ^2 /NDF: 32768.5/48

asym_usl_correction_mean vs Slug



Right In: -382.141 ± 318.619 χ^2/NDF : 28.7/21

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

Right Out: 51.632 ± 310.981 χ^2/NDF : 37.9/25

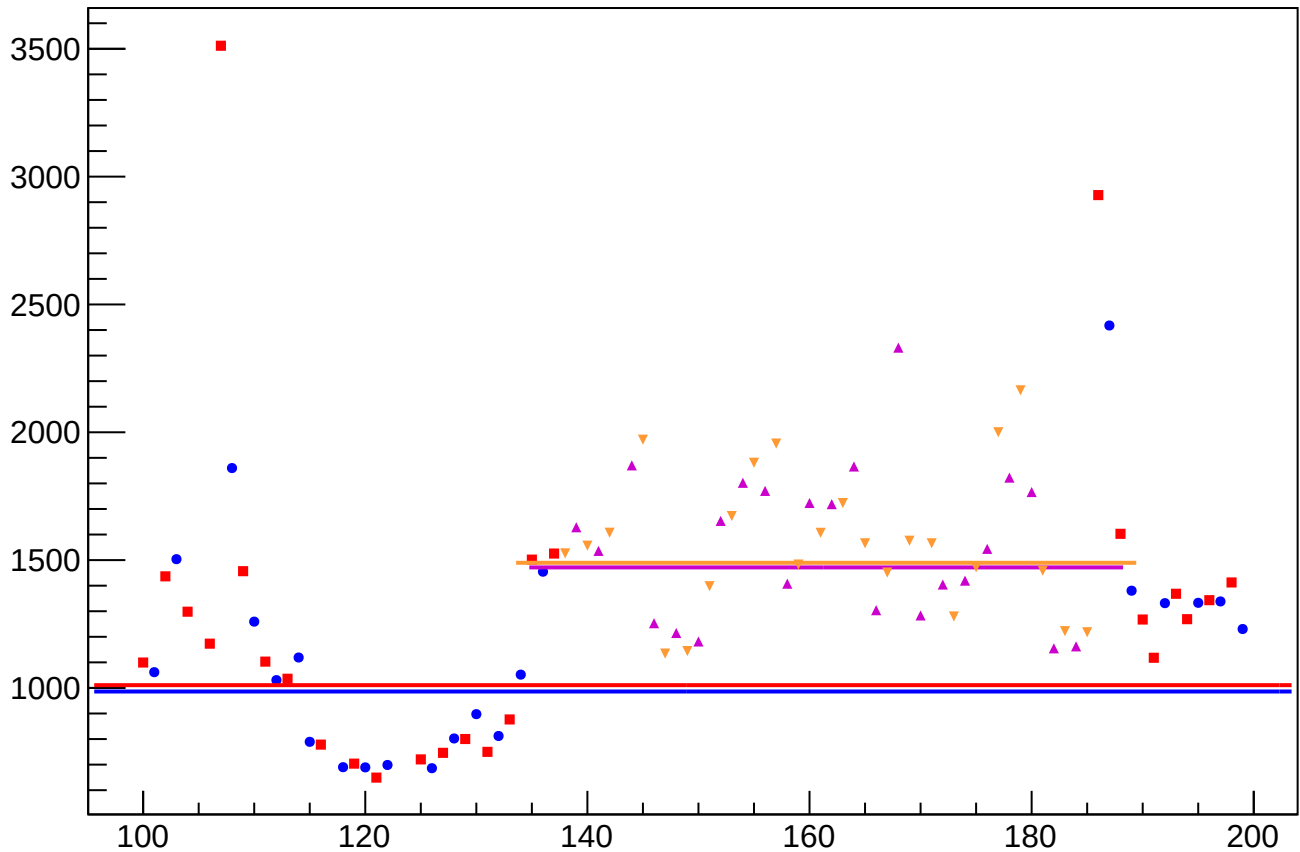
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -584.733 ± 238.924 χ^2/NDF : 72.8/45

All: -286.866 ± 167.538 χ^2/NDF : 125.9/94

- sign 1.282 ± 234.994 χ^2/NDF : 50.1/48

asym_usl_correction_rms vs Slug



Right In: 986.006 $\pm$ 0.225 χ^2 /NDF: 1773896.3/21

Left Out: 1489.507 $\pm$ 0.255 χ^2 /NDF:1009228.3/23

+ sign 1206.383 $\pm$ 0.169 χ^2 /NDF: 4969141.7/45

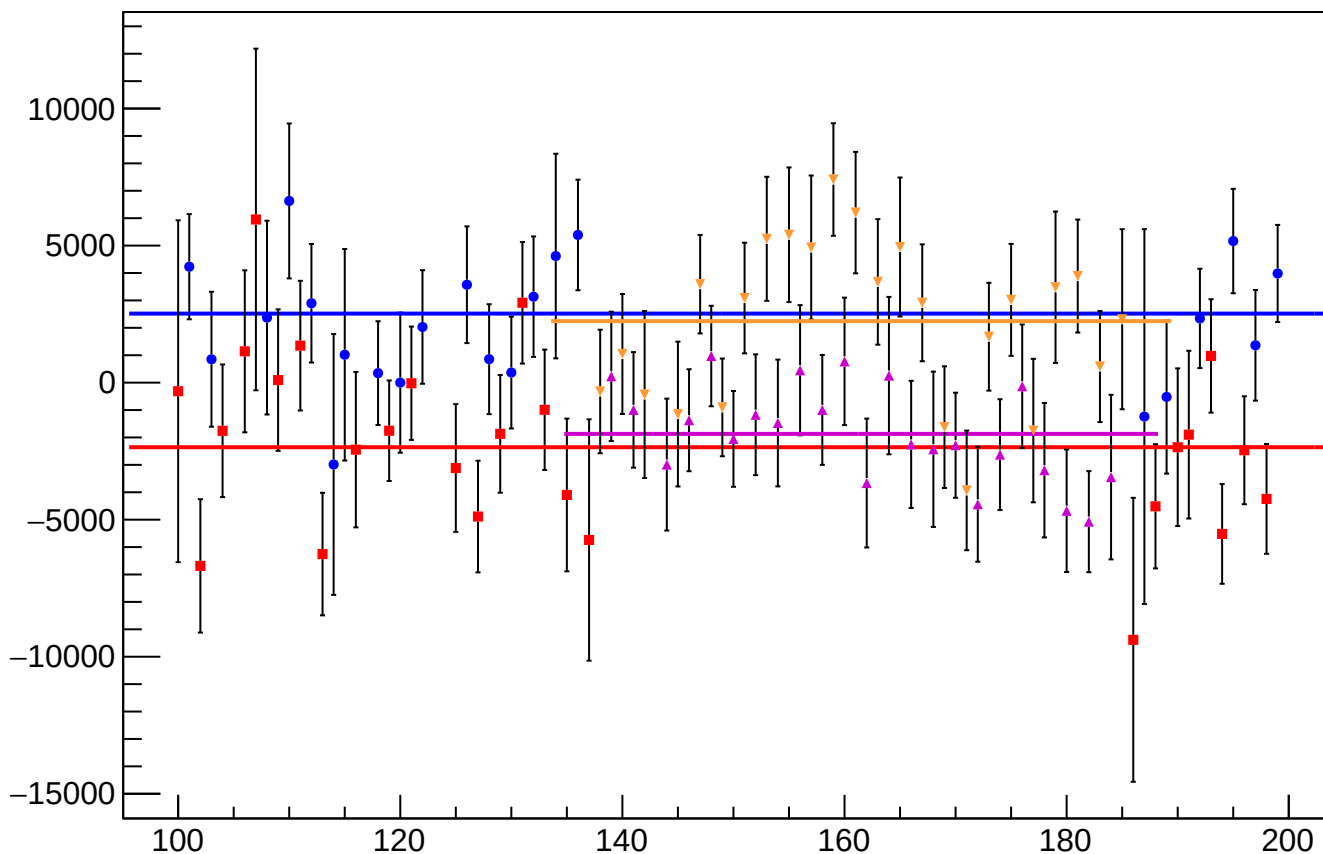
Right Out: 1010.832 $\pm$ 0.220 χ^2 /NDF: 2590786.3/25

All: 1207.412 $\pm$ 0.118 χ^2 /NDF: 10547150.1/9

- sign 1208.407 $\pm$ 0.166 χ^2 /NDF: 5577935.4/48

Left In: 1471.394 $\pm$ 0.254 χ^2 /NDF:1105310.5/22

asym_usl_mean vs Slug



Right In: 2518.775 $\pm$ 490.324 χ^2 /NDF: 16.1/21

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

Right Out: -2355.348 $\pm$ 475.363 χ^2 /NDF: 32.3/25

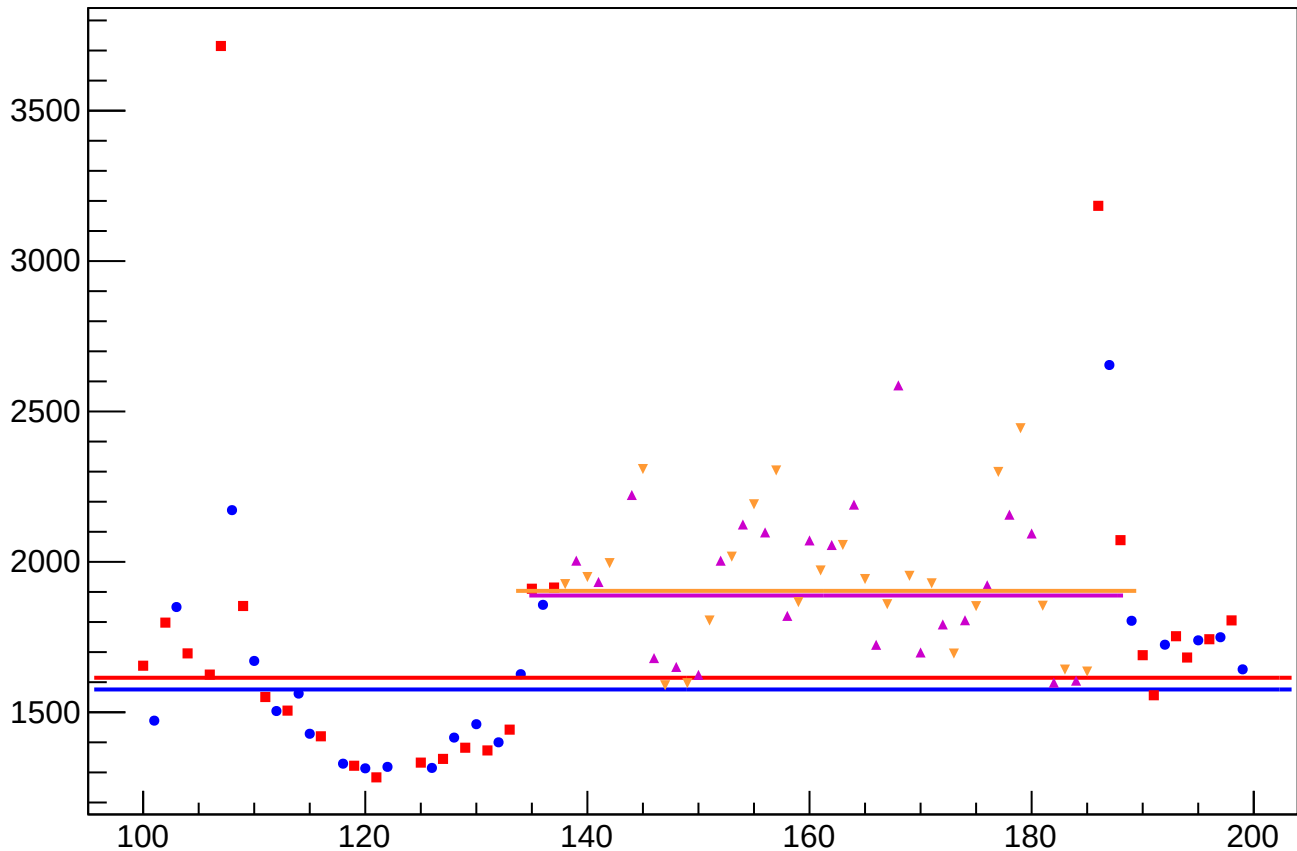
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2371.799 $\pm$ 334.102 χ^2 /NDF: 54.9/45

All: 99.506 $\pm$ 234.375 χ^2 /NDF: 193.6/94

- sign -2102.195 $\pm$ 328.872 χ^2 /NDF: 47.7/48

asym_usl_rms vs Slug



Right In: 1575.765 $\pm$ 0.347 χ^2 /NDF: 390910.9/21

Left Out: 1903.581 $\pm$ 0.323 χ^2 /NDF: 461788.9/23

Right Out: 1614.741 $\pm$ 0.336 χ^2 /NDF: 836858.7/25

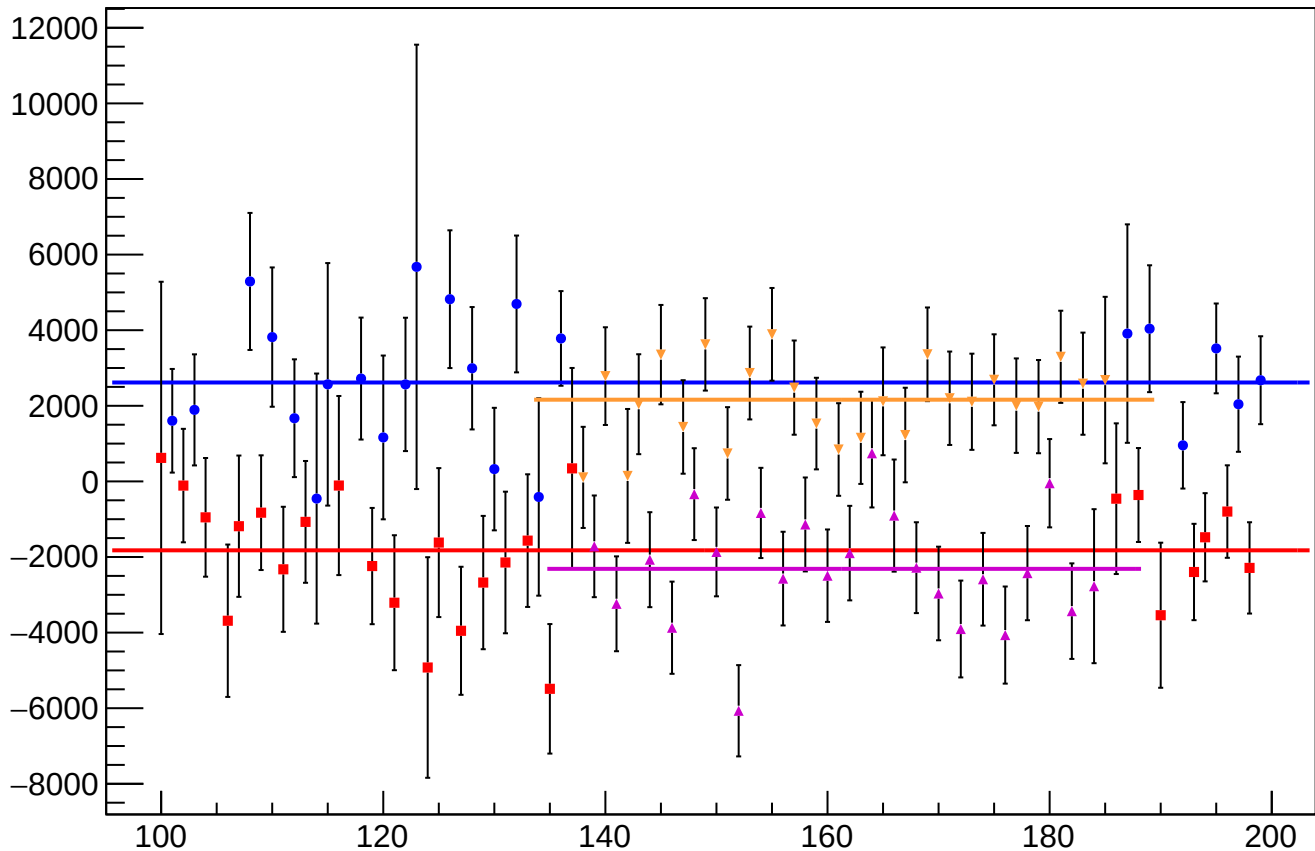
Left In: 1888.121 $\pm$ 0.322 χ^2 /NDF: 504568.6/22

+ sign 1751.378 $\pm$ 0.236 χ^2 /NDF: 1331606.3/45

All: 1754.371 $\pm$ 0.166 χ^2 /NDF: 3018221.2/94

- sign 1757.272 $\pm$ 0.233 χ^2 /NDF: 1686298.7/48

reg_asym_usr_mean vs Slug



Right In: 2616.588 ± 340.733 $\chi^2/\text{NDF}: 16.2/22$

Left Out: 2161.427 ± 257.518 $\chi^2/\text{NDF}: 15.1/24$

Right Out: -1823.463 ± 323.777 $\chi^2/\text{NDF}: 16.8/25$

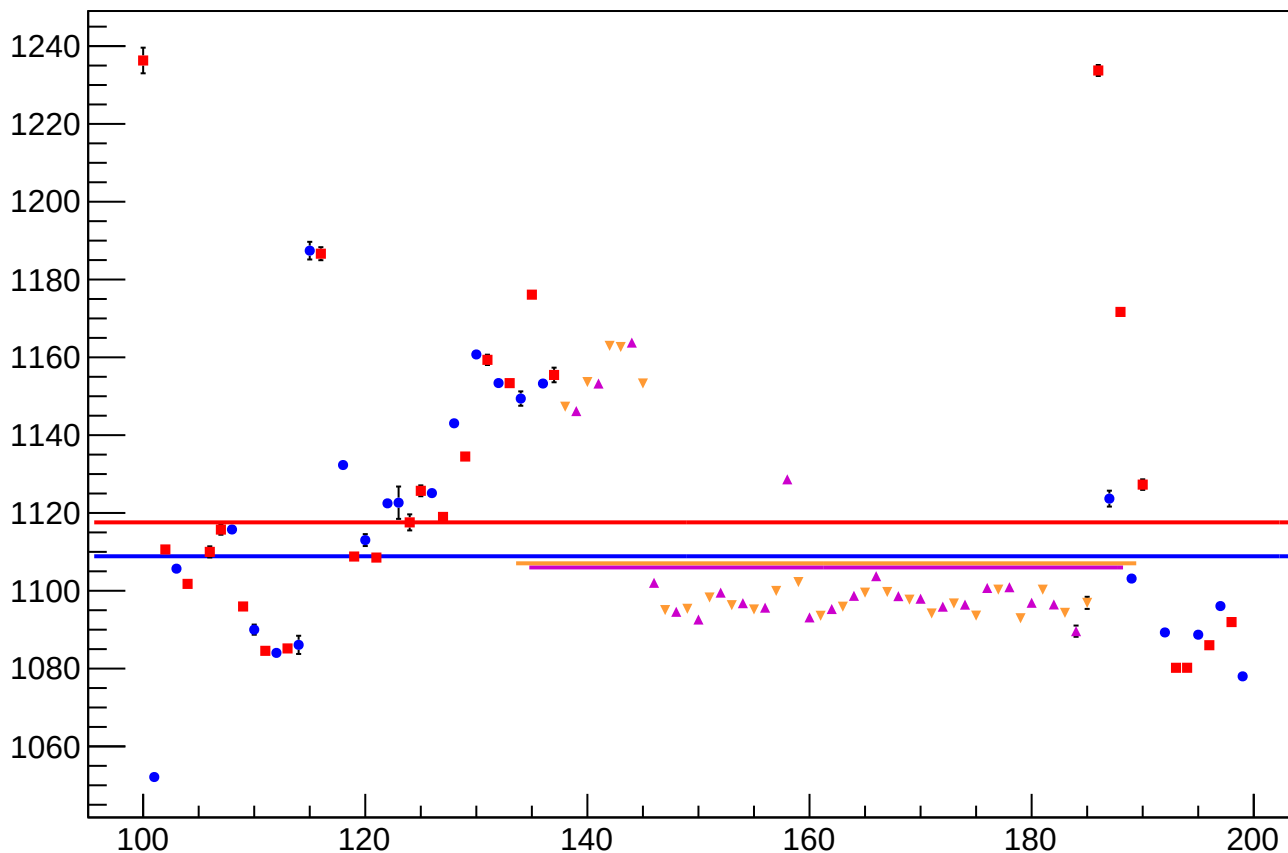
Left In: -2313.505 ± 264.429 $\chi^2/\text{NDF}: 31.3/22$

+ sign 2326.897 ± 205.443 $\chi^2/\text{NDF}: 32.4/47$

All: 97.824 ± 145.044 $\chi^2/\text{NDF}: 316.6/96$

- sign -2117.429 ± 204.805 $\chi^2/\text{NDF}: 49.5/48$

reg_asym_usr_rms vs Slug



Right In: 1108.868 $\pm$ 0.241 χ^2 /NDF: 16195.1/22

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

Right Out: 1117.584 $\pm$ 0.229 χ^2 /NDF: 26824.6/25

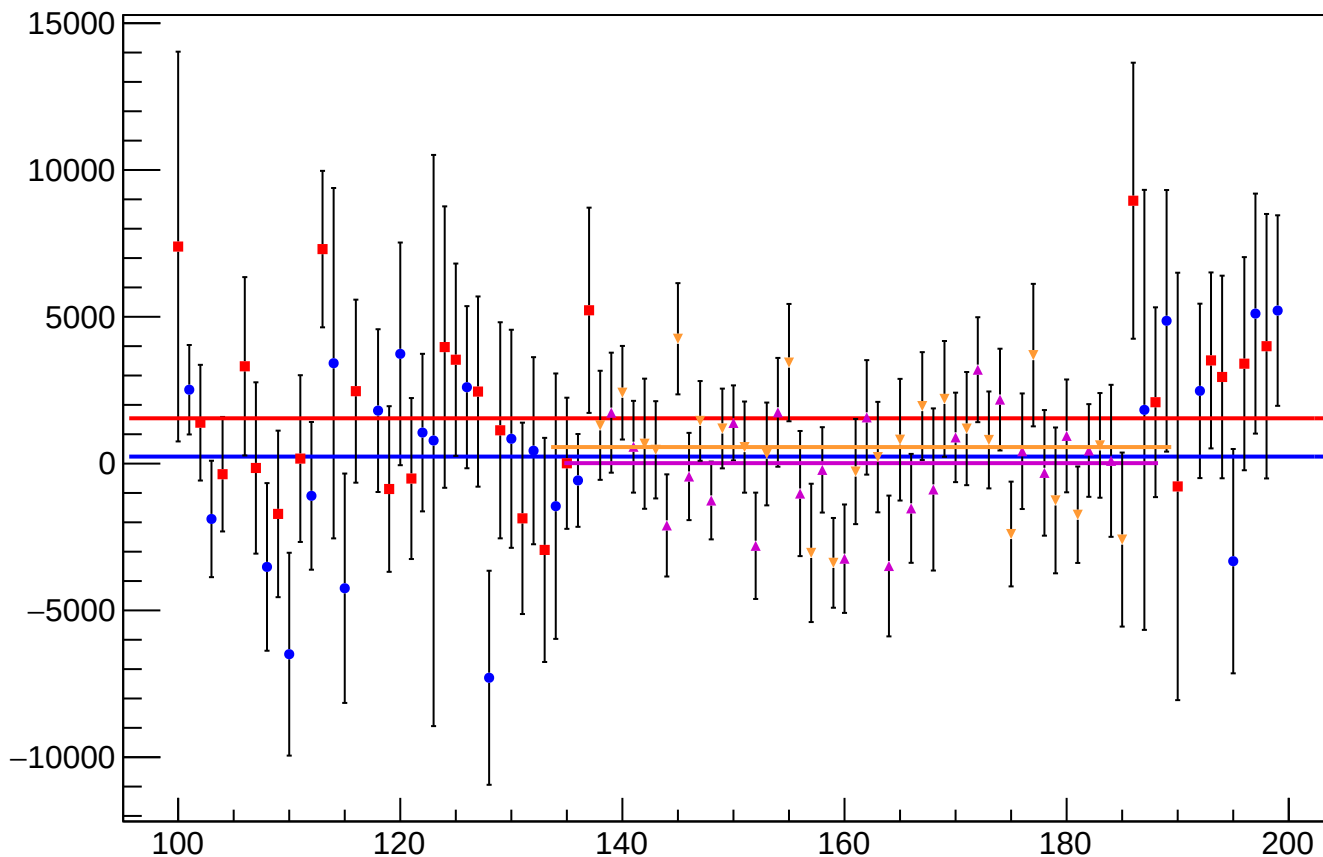
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

+ sign 1107.715 $\pm$ 0.145 χ^2 /NDF: 31406.6/47

All: 1109.179 $\pm$ 0.103 χ^2 /NDF: 71521.4/96

- sign 1110.633 $\pm$ 0.145 χ^2 /NDF: 39912.5/48

asym_usr_correction_mean vs Slug



Right In: 238.835 ± 605.871 χ^2/NDF : 23.8/22

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

Right Out: 1543.063 ± 602.860 χ^2/NDF : 18.6/25

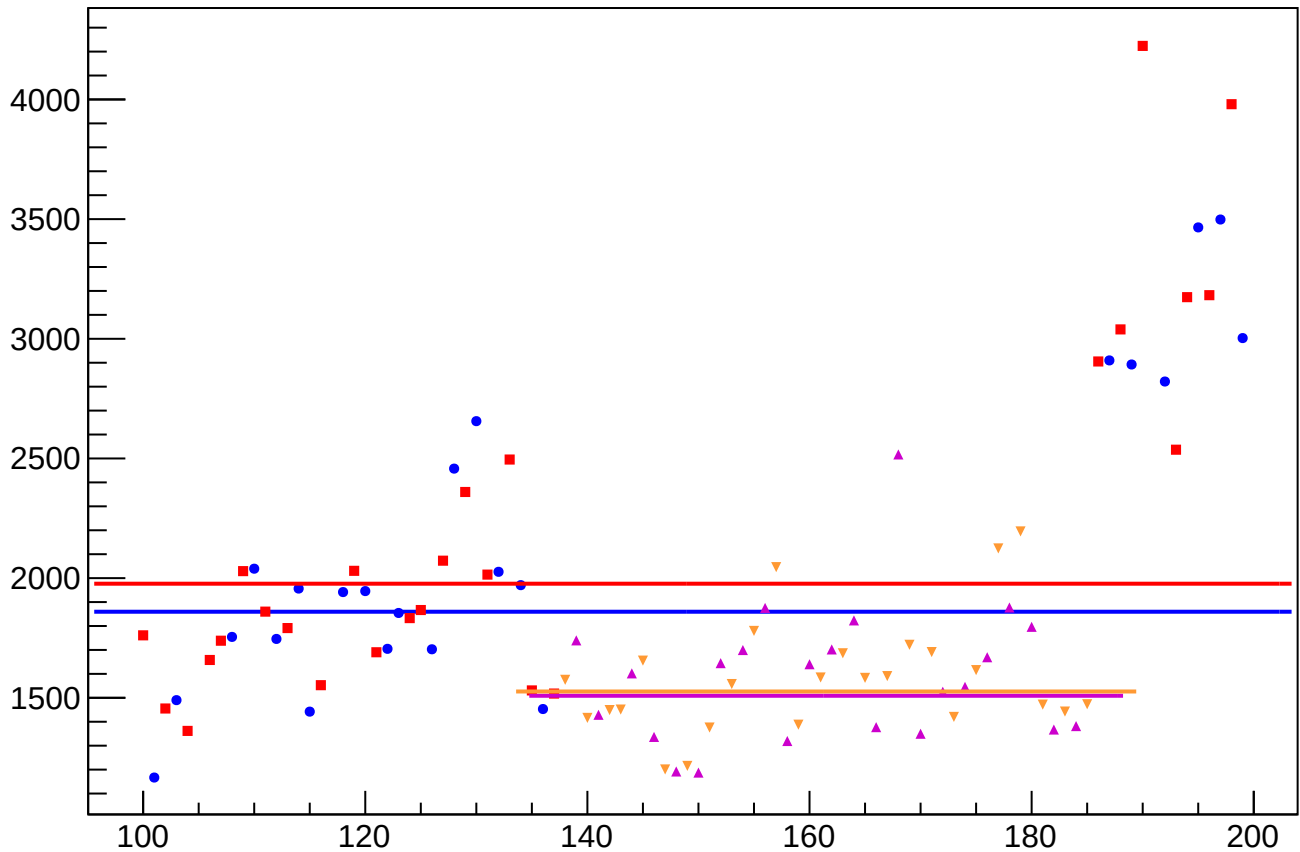
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 478.310 ± 310.061 χ^2/NDF : 50.8/47

All: 453.578 ± 220.414 χ^2/NDF : 94.2/96

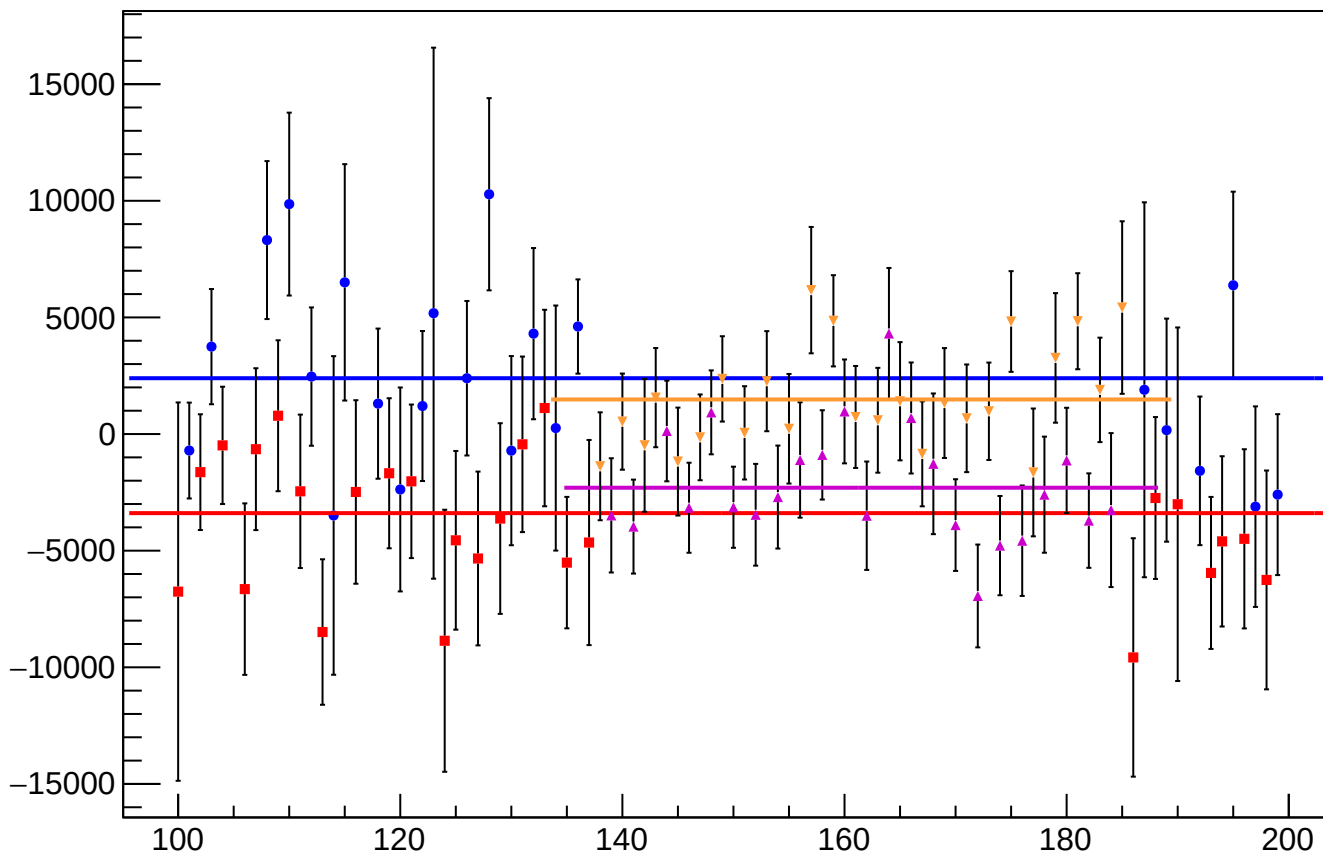
- sign 428.313 ± 313.390 χ^2/NDF : 43.4/48

asym_usr_correction_rms vs Slug



Right In: 1859.647 $\pm$ 0.428	χ^2 /NDF: 2098942.9/22	+ sign 1613.670 $\pm$ 0.219	χ^2 /NDF: 3299281.1/47
Left Out: 1526.391 $\pm$ 0.255	χ^2 /NDF: 753714.4/24	All: 1624.268 $\pm$ 0.156	χ^2 /NDF: 7156444.2/96
Right Out: 1976.742 $\pm$ 0.426	χ^2 /NDF: 2040574.2/25	- sign 1635.094 $\pm$ 0.222	χ^2 /NDF: 3852440.1/48
Left In: 1508.581 $\pm$ 0.259	χ^2 /NDF: 931684.8/22		

asym_usr_mean vs Slug



Right In: 2393.860 ± 724.521 $\chi^2/\text{NDF}: 24.6/22$

Left Out: 1482.365 ± 449.983 $\chi^2/\text{NDF}: 20.9/24$

Right Out: -3390.077 ± 708.008 $\chi^2/\text{NDF}: 14.8/25$

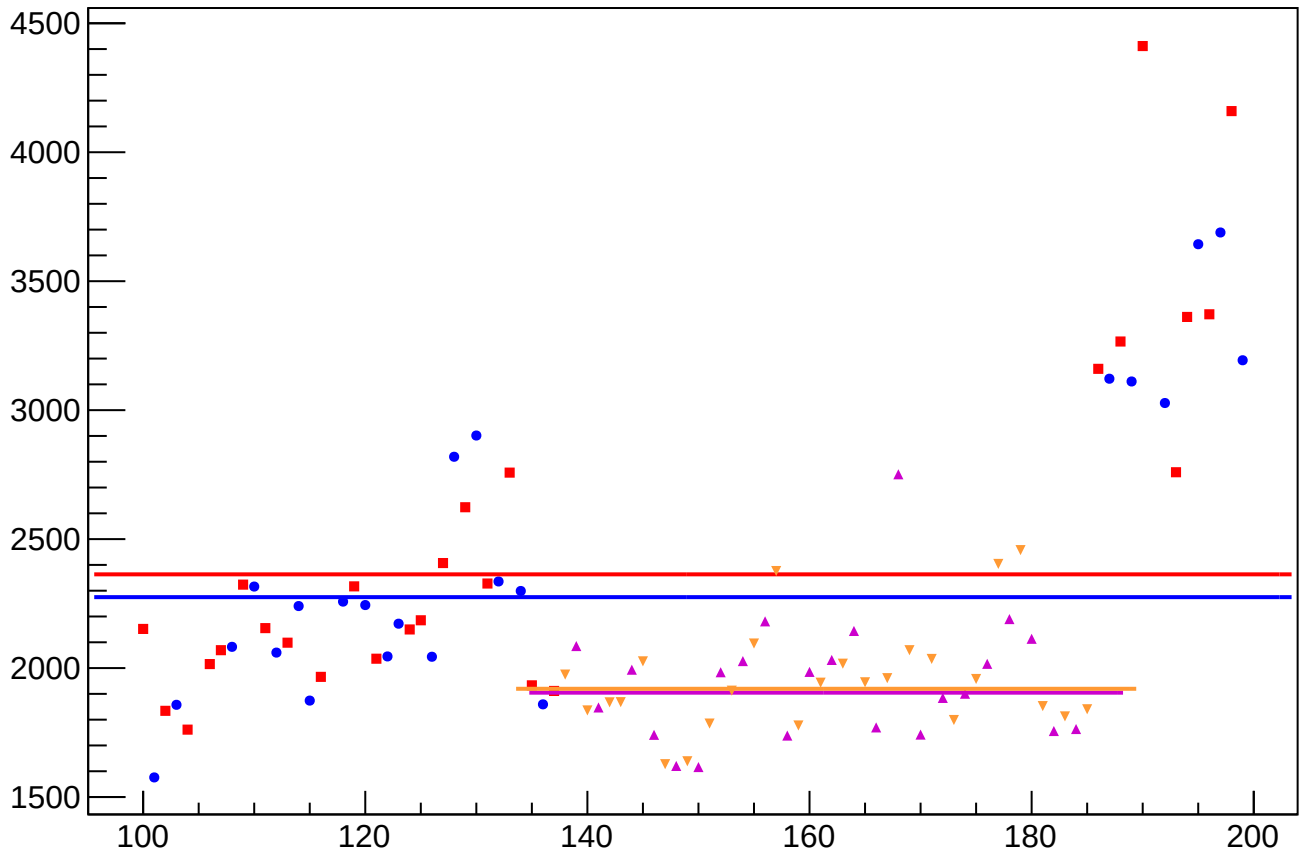
Left In: -2301.247 ± 459.040 $\chi^2/\text{NDF}: 24.8/22$

+ sign 1736.091 ± 382.257 $\chi^2/\text{NDF}: 46.6/47$

All: -427.163 ± 271.320 $\chi^2/\text{NDF}: 152.4/96$

- sign -2623.492 ± 385.168 $\chi^2/\text{NDF}: 41.2/48$

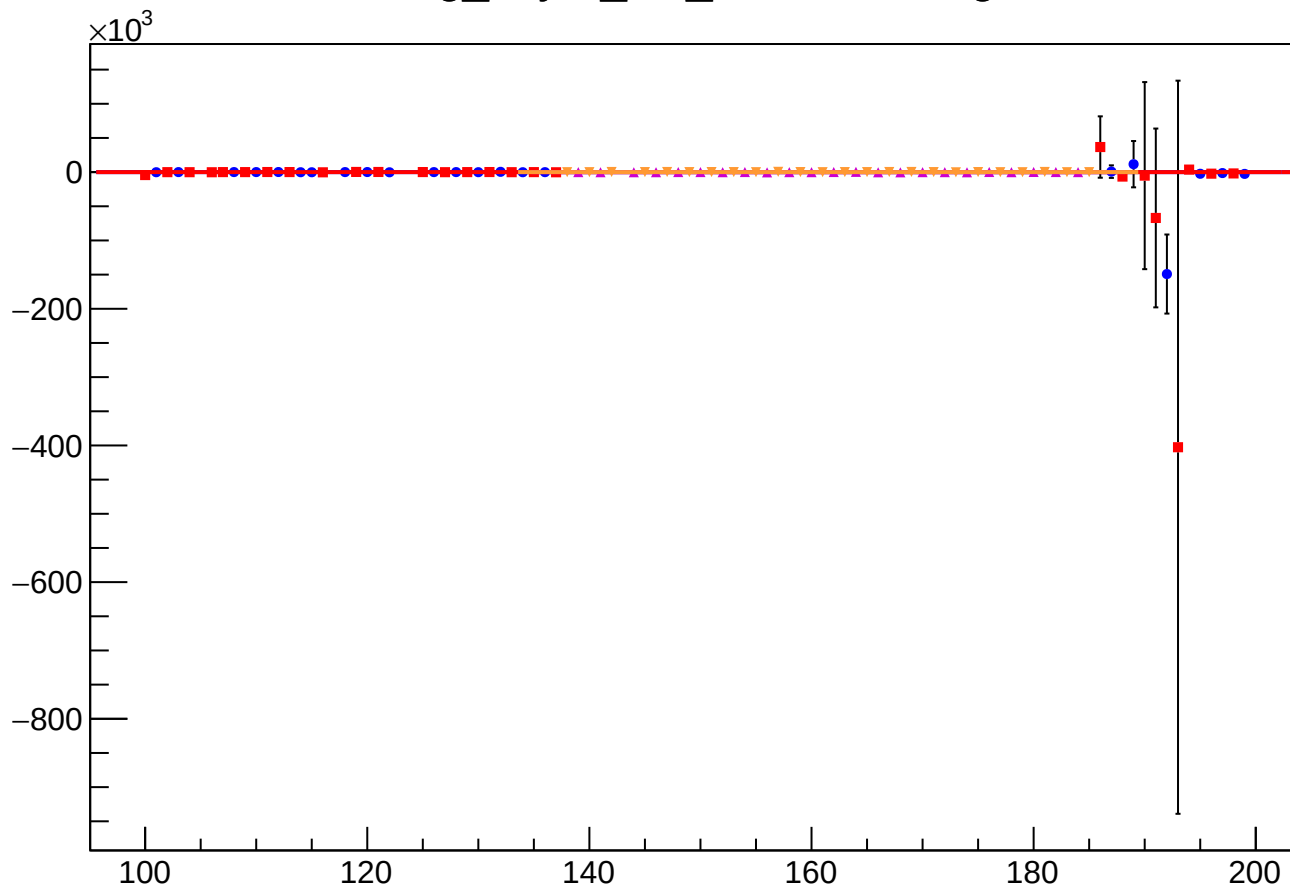
asym_usr_rms vs Slug



Right In: 2275.028 $\pm$ 0.512 χ^2 /NDF: 1292423.3/22
 Left Out: 1919.732 $\pm$ 0.318 χ^2 /NDF:366218.1/24
 Right Out: 2363.406 $\pm$ 0.501 χ^2 /NDF: 1343900.9/25
 Left In: 1904.629 $\pm$ 0.325 χ^2 /NDF:447350.7/22

+ sign 2018.633 $\pm$ 0.270 χ^2 /NDF: 2005721.2/47
 All: 2029.437 $\pm$ 0.192 χ^2 /NDF: 4391423.8/96
 - sign 2040.406 $\pm$ 0.272 χ^2 /NDF: 2382482.9/48

reg_asym_dsl_mean vs Slug



Right In: -1.266 ± 36.767 χ^2/NDF : 24.1/21

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

Right Out: -1.944 ± 36.752 χ^2/NDF : 17.4/25

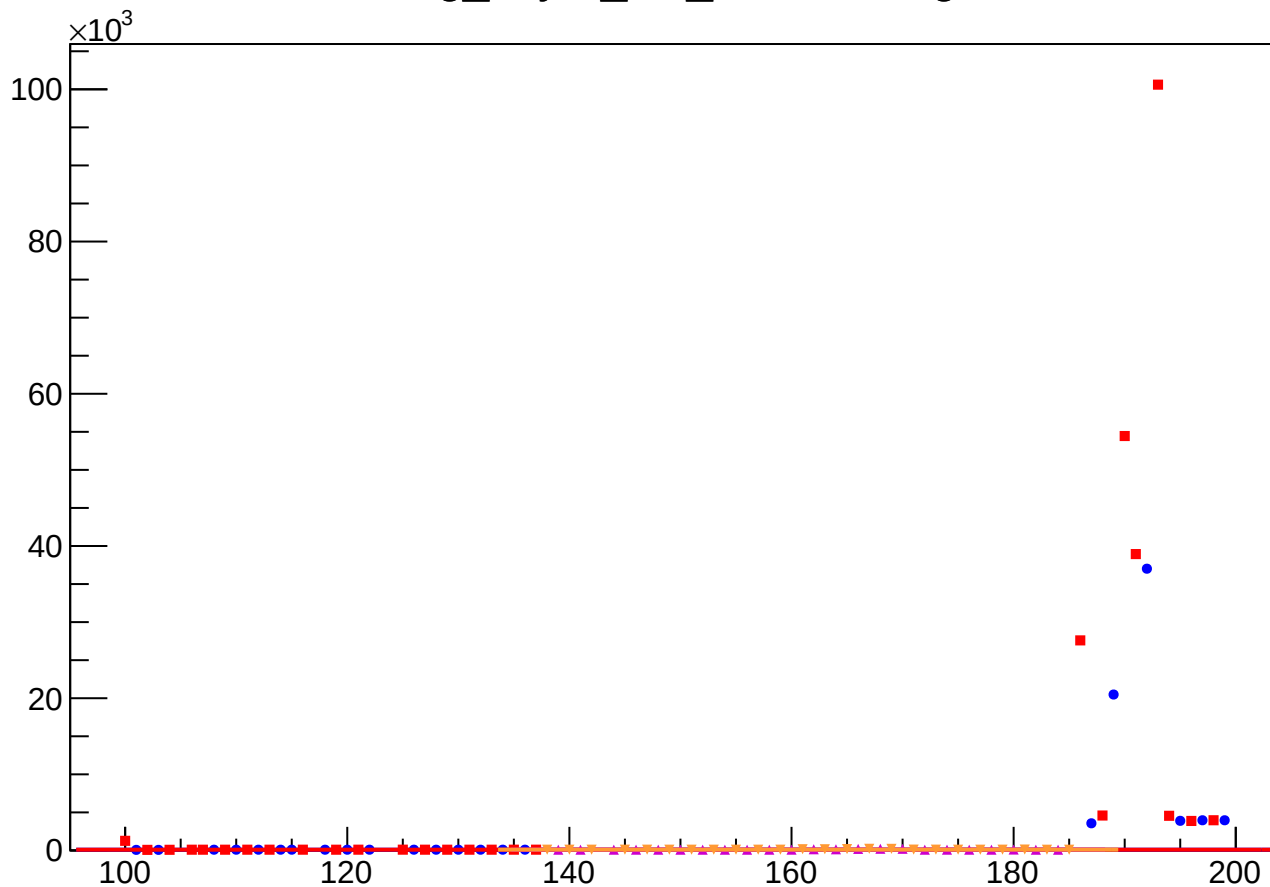
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.691 ± 21.369 χ^2/NDF : 60.0/45

All: -4.647 ± 15.125 χ^2/NDF : 114.8/94

- sign -17.034 ± 21.411 χ^2/NDF : 54.1/48

reg_asym_dsl_rms vs Slug



Right In: 94.963 $\pm$ 0.026 χ^2 /NDF: 6664104.6/21

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

Right Out: 97.240 $\pm$ 0.026 χ^2 /NDF: 6762786.9/25

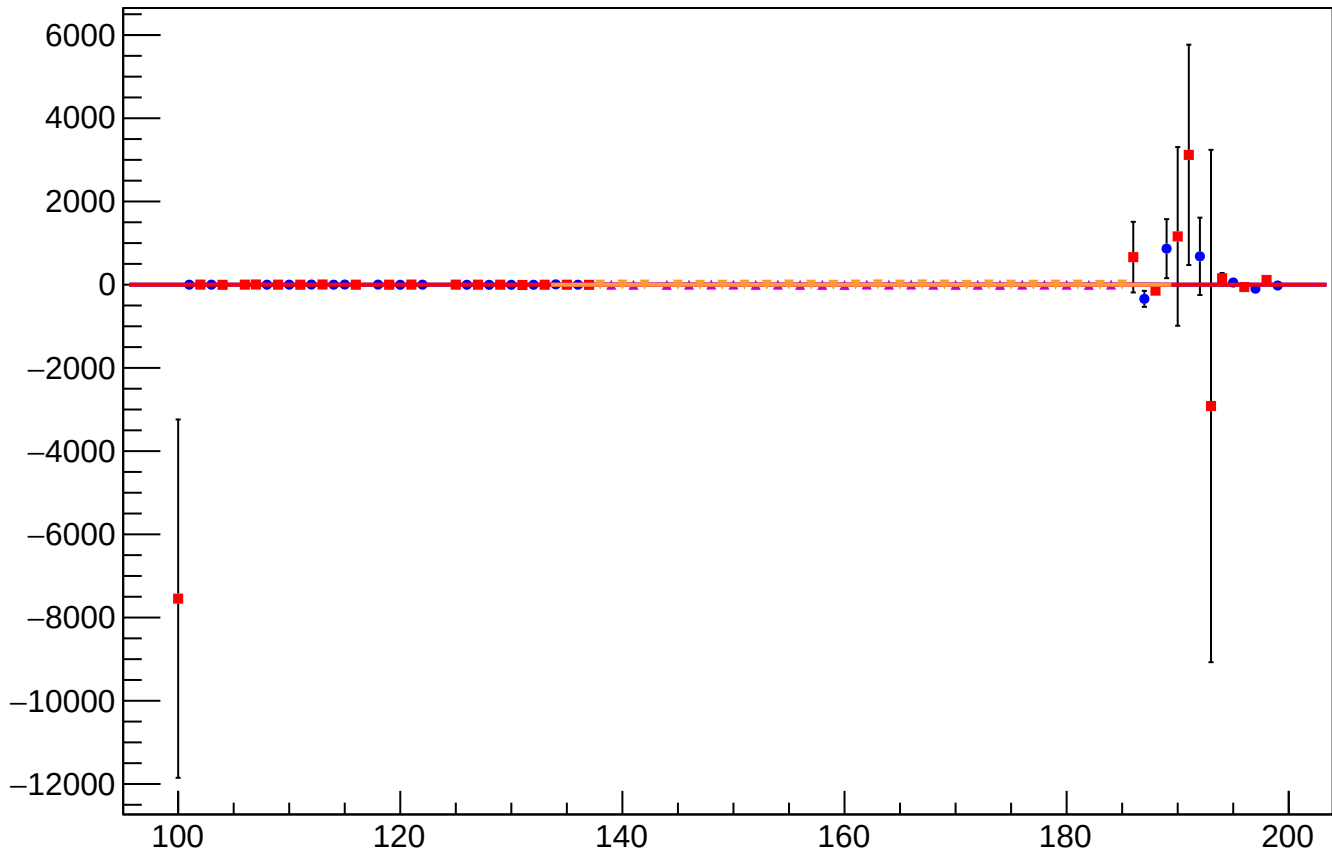
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.636 $\pm$ 0.015 χ^2 /NDF: 8267116.1/45

All: 103.883 $\pm$ 0.011 χ^2 /NDF: 16627925.2/94

- sign 104.132 $\pm$ 0.015 χ^2 /NDF: 8360271.1/48

asym_dsl_correction_mean vs Slug



Right In: 0.384 ± 0.617 χ^2/NDF : 17.6/21

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

Right Out: 0.347 ± 0.644 χ^2/NDF : 29.4/25

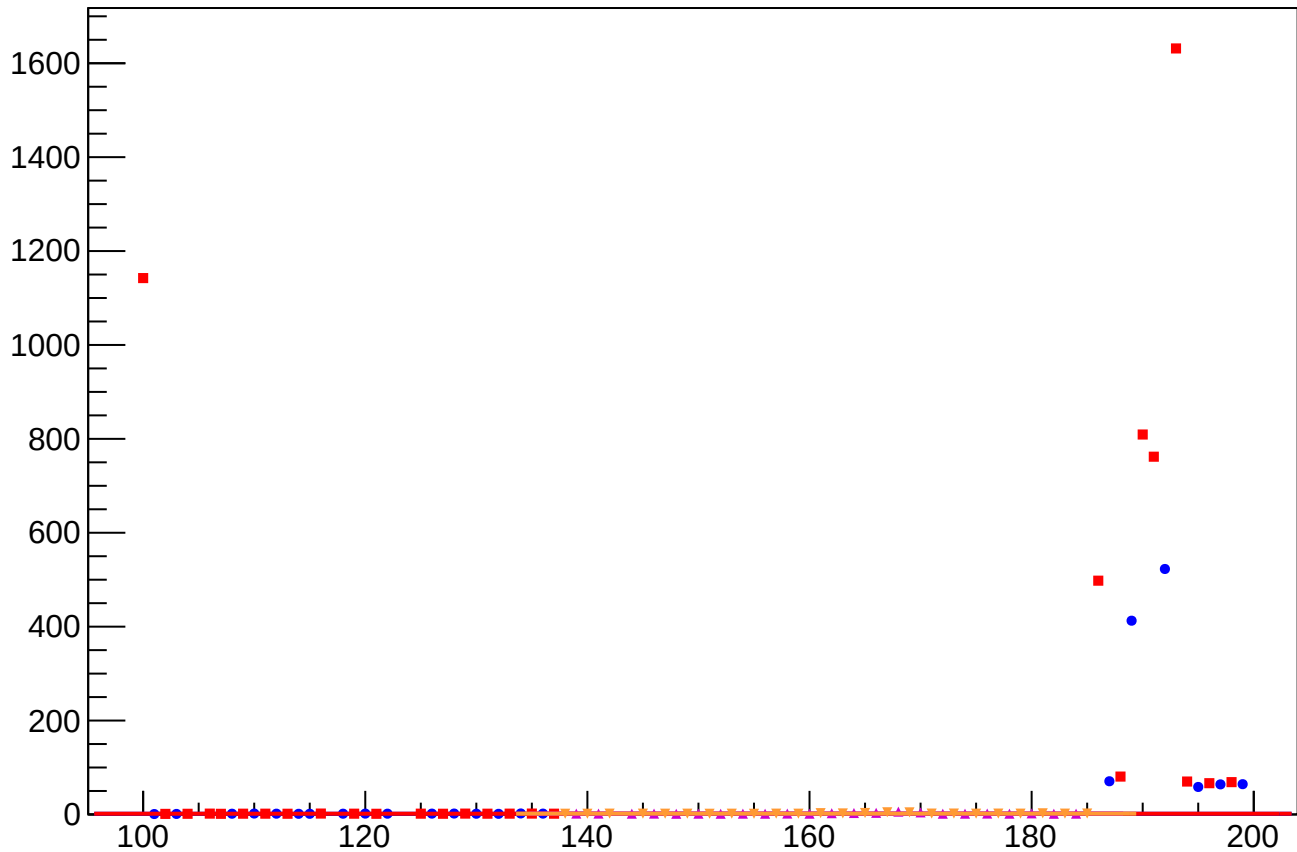
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.193 ± 0.376 χ^2/NDF : 49.5/45

All: -0.017 ± 0.270 χ^2/NDF : 104.5/94

- sign 0.168 ± 0.387 χ^2/NDF : 54.5/48

asym_dsl_correction_rms vs Slug



Right In: 1.433+/-0.000 χ^2/NDF : 6195309.0/21

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

Right Out: 1.569+/-0.000 χ^2/NDF : 6060622.2/25

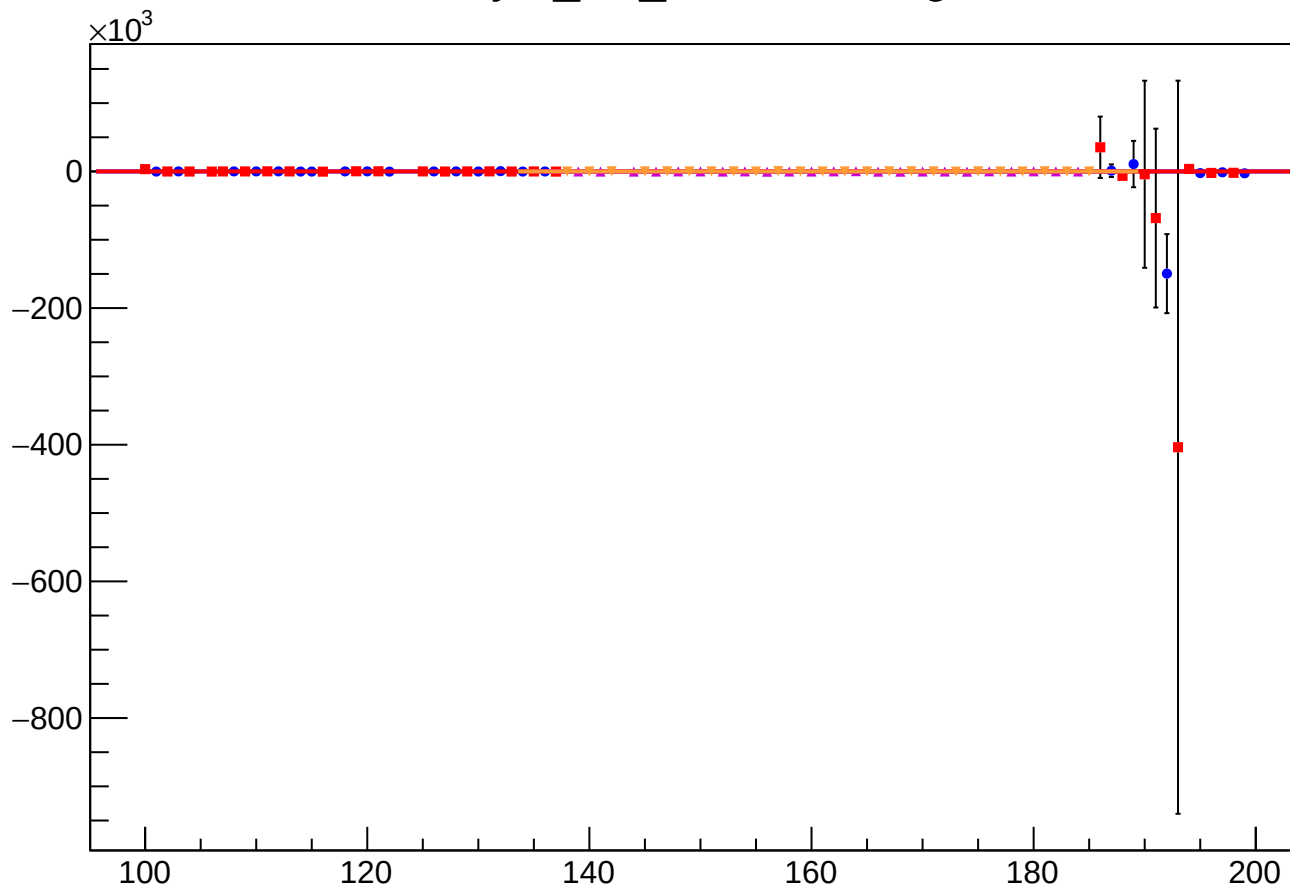
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.646+/-0.000 χ^2/NDF : 8171241.8/45

All: 1.681+/-0.000 χ^2/NDF : 16357416.4/94

- sign 1.718+/-0.000 χ^2/NDF : 8150328.3/48

asym_dsl_mean vs Slug



Right In: -0.965 ± 36.777 χ^2/NDF : 24.3/21

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

Right Out: -1.704 ± 36.762 χ^2/NDF : 16.9/25

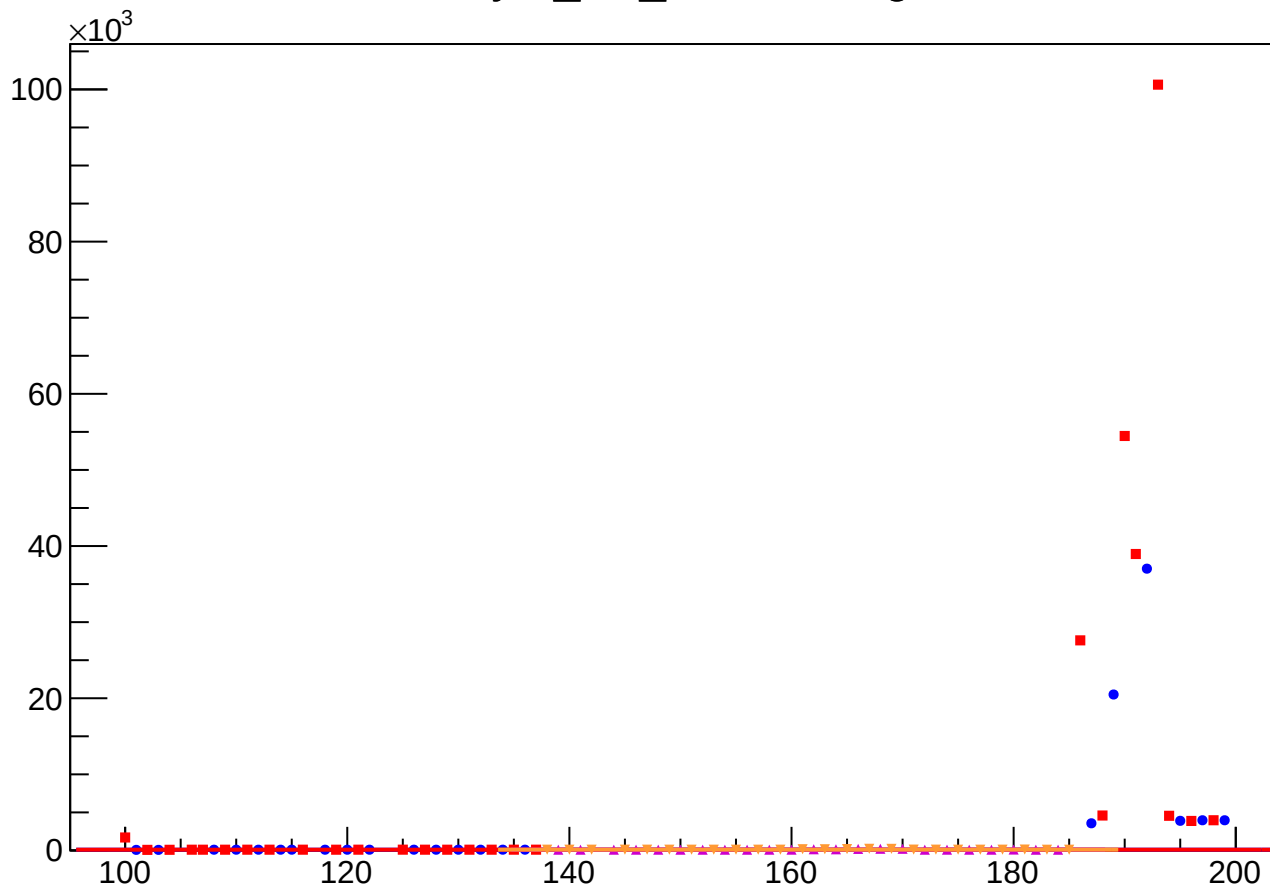
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 8.248 ± 21.375 χ^2/NDF : 60.1/45

All: -4.500 ± 15.130 χ^2/NDF : 113.7/94

- sign -17.299 ± 21.417 χ^2/NDF : 52.9/48

asym_dsl_rms vs Slug



Right In: 94.988 $\pm$ 0.026 χ^2 /NDF: 6664100.5/21

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

Right Out: 97.249 $\pm$ 0.026 χ^2 /NDF: 6767998.2/25

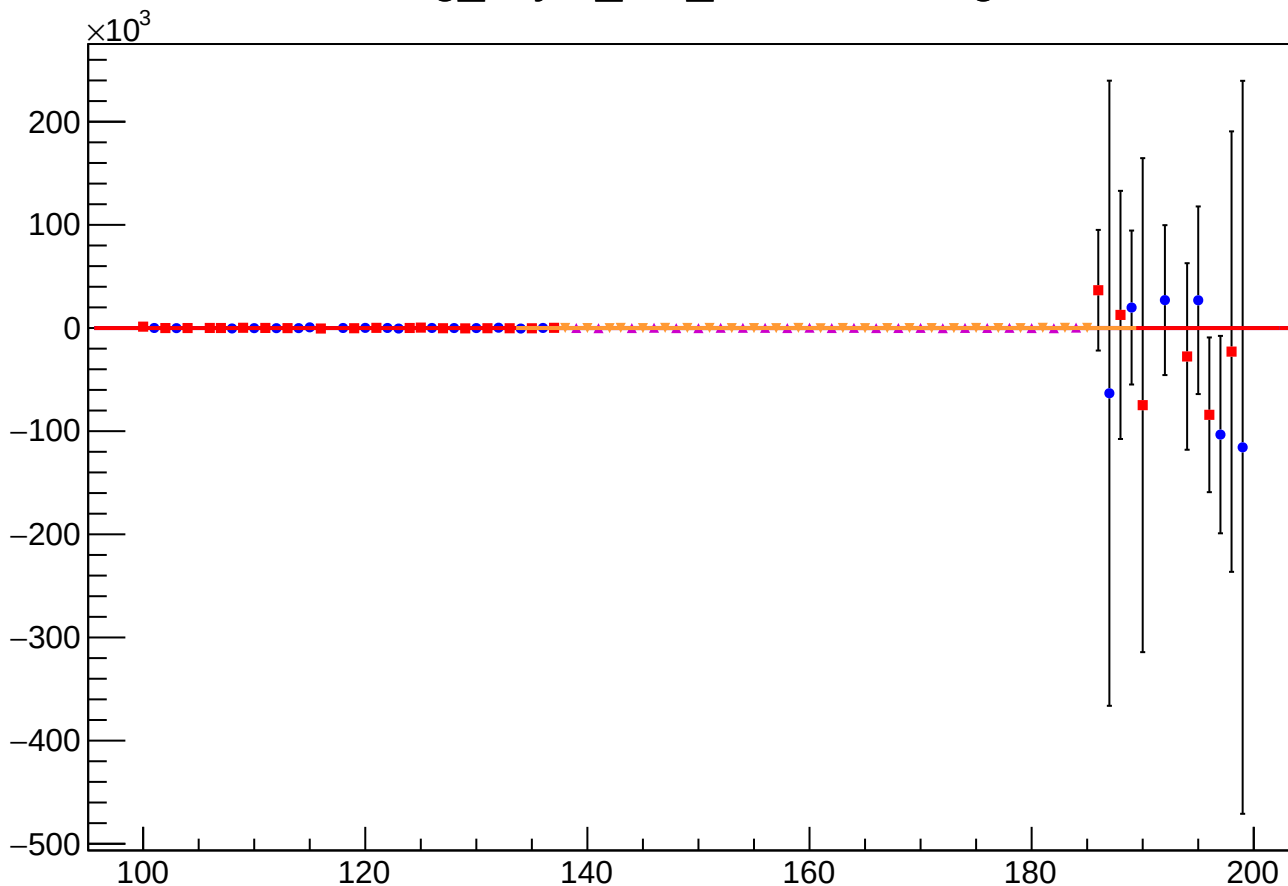
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.664 $\pm$ 0.015 χ^2 /NDF: 8268571.3/45

All: 103.909 $\pm$ 0.011 χ^2 /NDF: 16636266.2/94

- sign 104.155 $\pm$ 0.015 χ^2 /NDF: 8367168.4/48

reg_asym_dsr_mean vs Slug



Right In: -26.799 ± 46.841 $\chi^2/\text{NDF}: 16.0/22$

Left Out: -12.829 ± 32.063 $\chi^2/\text{NDF}: 12.0/24$

Right Out: -53.404 ± 47.775 $\chi^2/\text{NDF}: 17.3/24$

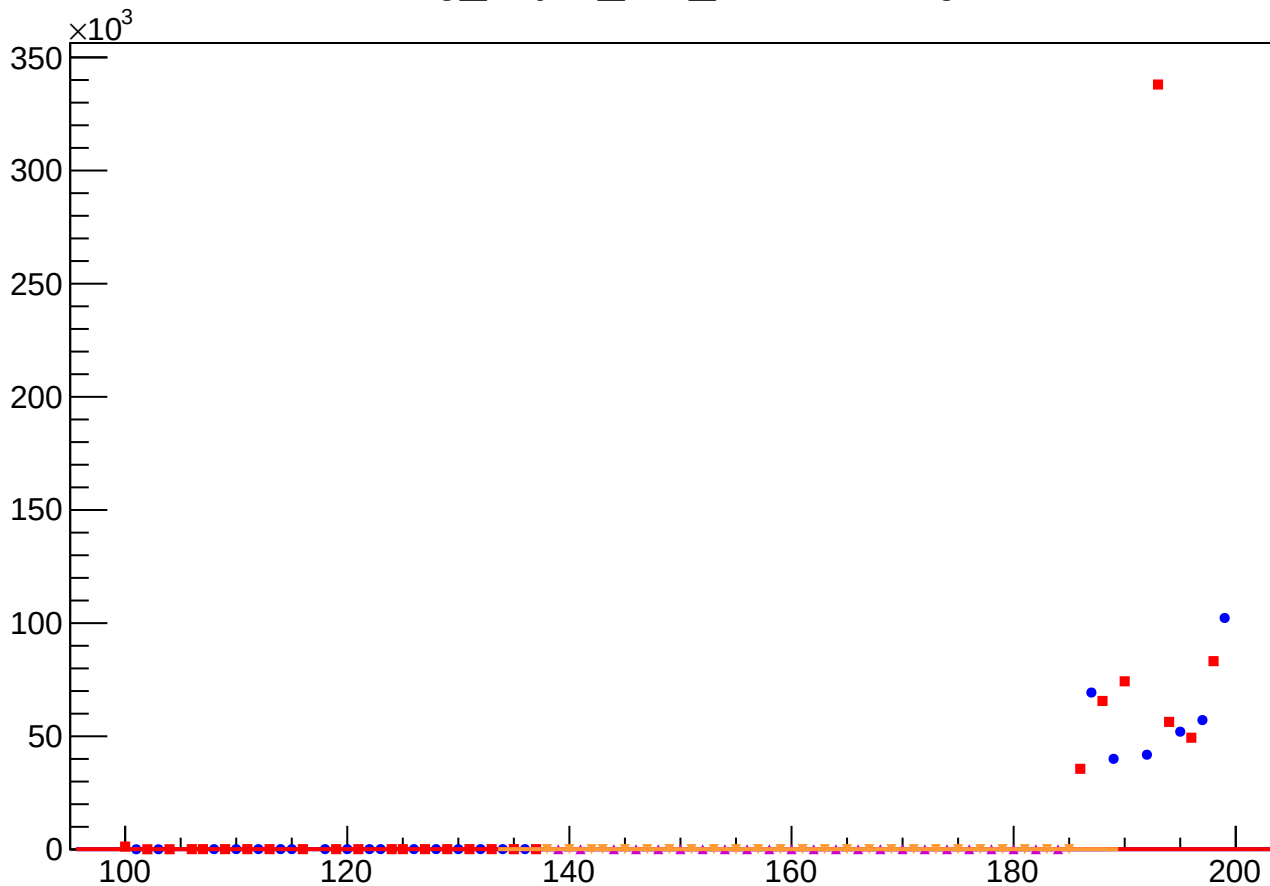
Left In: 65.335 ± 32.944 $\chi^2/\text{NDF}: 19.3/22$

+ sign -17.287 ± 26.458 $\chi^2/\text{NDF}: 28.1/47$

All: 4.343 ± 18.939 $\chi^2/\text{NDF}: 70.2/95$

- sign 27.070 ± 27.121 $\chi^2/\text{NDF}: 40.7/47$

reg_asym_dsr_rms vs Slug



Right In: 117.833 $\pm$ 0.033 χ^2 /NDF: 3971331.8/22

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

Right Out: 124.808 $\pm$ 0.034 χ^2 /NDF: 4475885.4/25

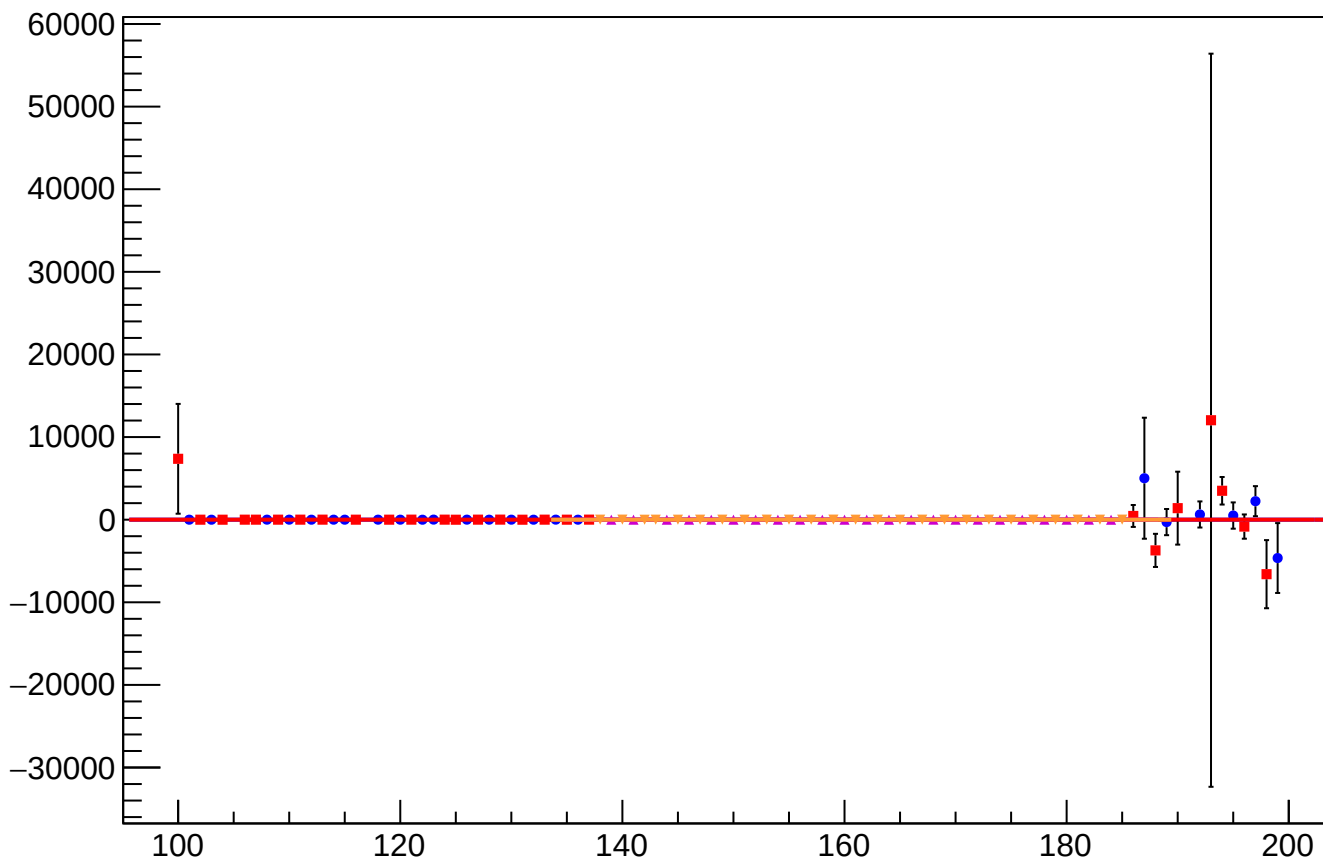
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.468 $\pm$ 0.019 χ^2 /NDF: 4220642.8/47

All: 132.515 $\pm$ 0.013 χ^2 /NDF: 8803728.8/96

- sign 133.616 $\pm$ 0.019 χ^2 /NDF: 4576657.3/48

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 15.7/22

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

Right Out: 0.638 ± 0.852 χ^2/NDF : 25.7/25

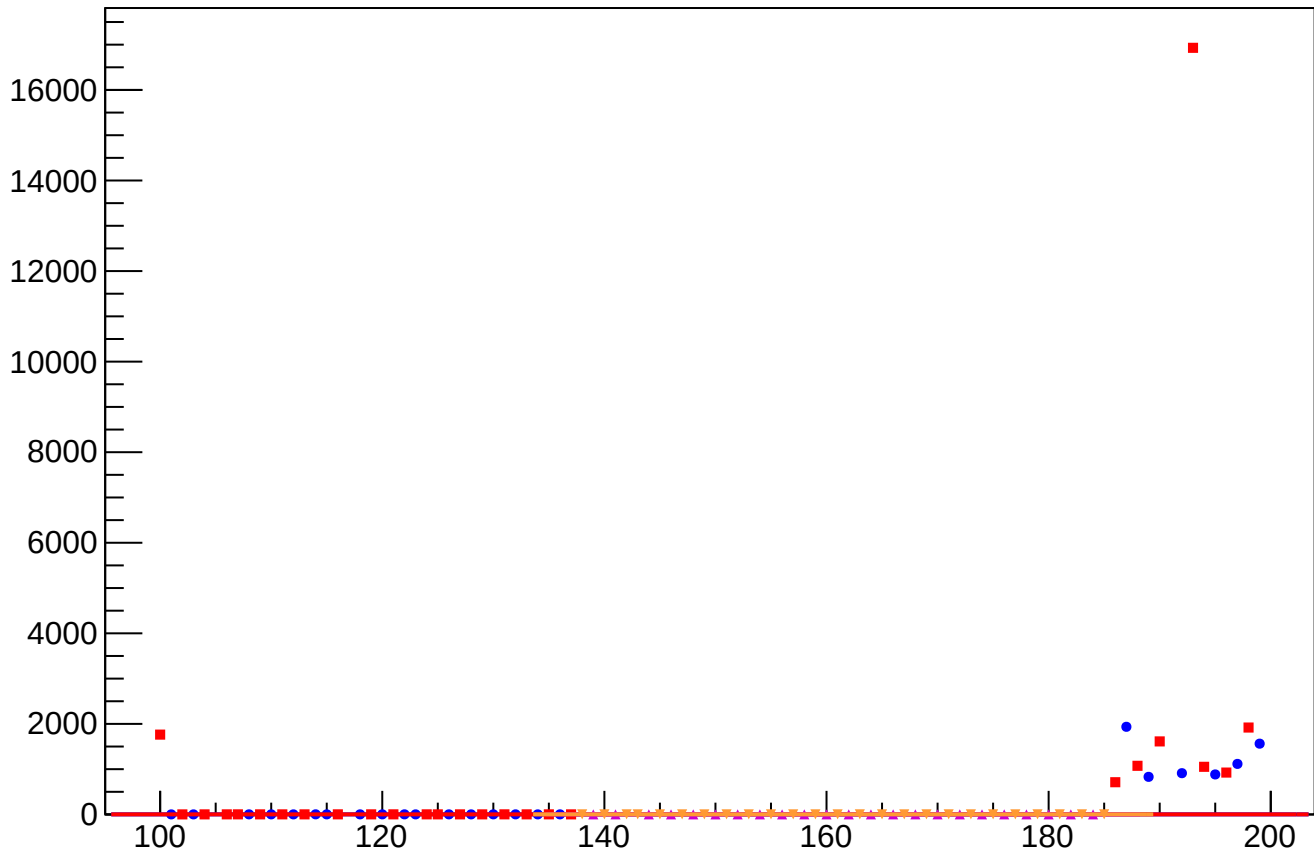
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 46.1/47

All: 0.046 ± 0.334 χ^2/NDF : 93.4/96

- sign 0.003 ± 0.479 χ^2/NDF : 47.2/48

asym_dsr_correction_rms vs Slug



Right In: 1.866+/-0.001 χ^2/NDF : 3475716.2/22

Left Out: 2.262+/-0.000 χ^2/NDF : 374973.2/24

Right Out: 2.065+/-0.001 χ^2/NDF : 4245619.6/25

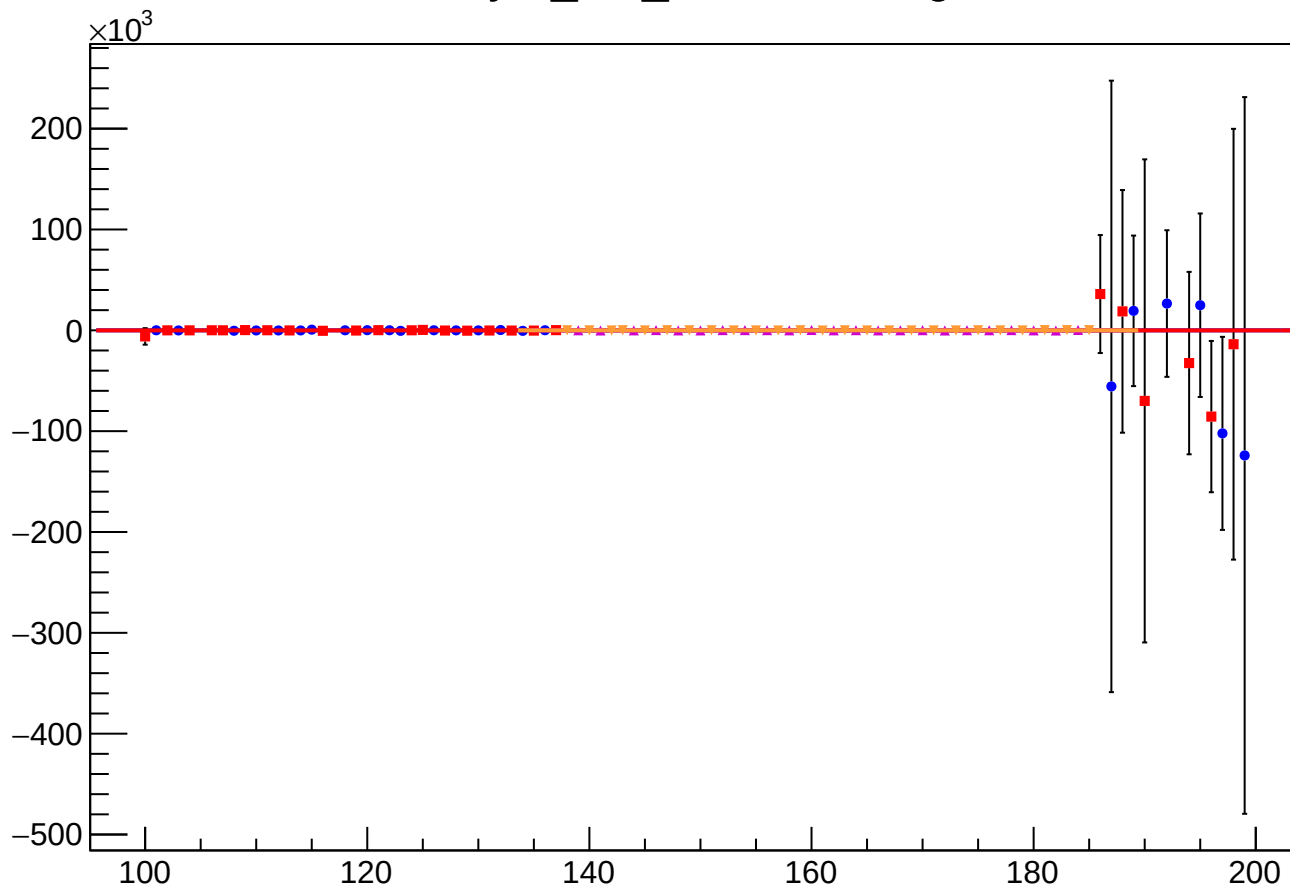
Left In: 2.193+/-0.000 χ^2/NDF : 510890.7/22

+ sign 2.130+/-0.000 χ^2/NDF : 4169012.7/47

All: 2.141+/-0.000 χ^2/NDF : 8958665.7/96

- sign 2.152+/-0.000 χ^2/NDF : 4787432.1/48

asym_dsr_mean vs Slug



Right In: -25.062 ± 46.854 $\chi^2/\text{NDF}: 16.1/22$

Left Out: -13.383 ± 32.072 $\chi^2/\text{NDF}: 11.8/24$

Right Out: -54.306 ± 47.789 $\chi^2/\text{NDF}: 18.0/24$

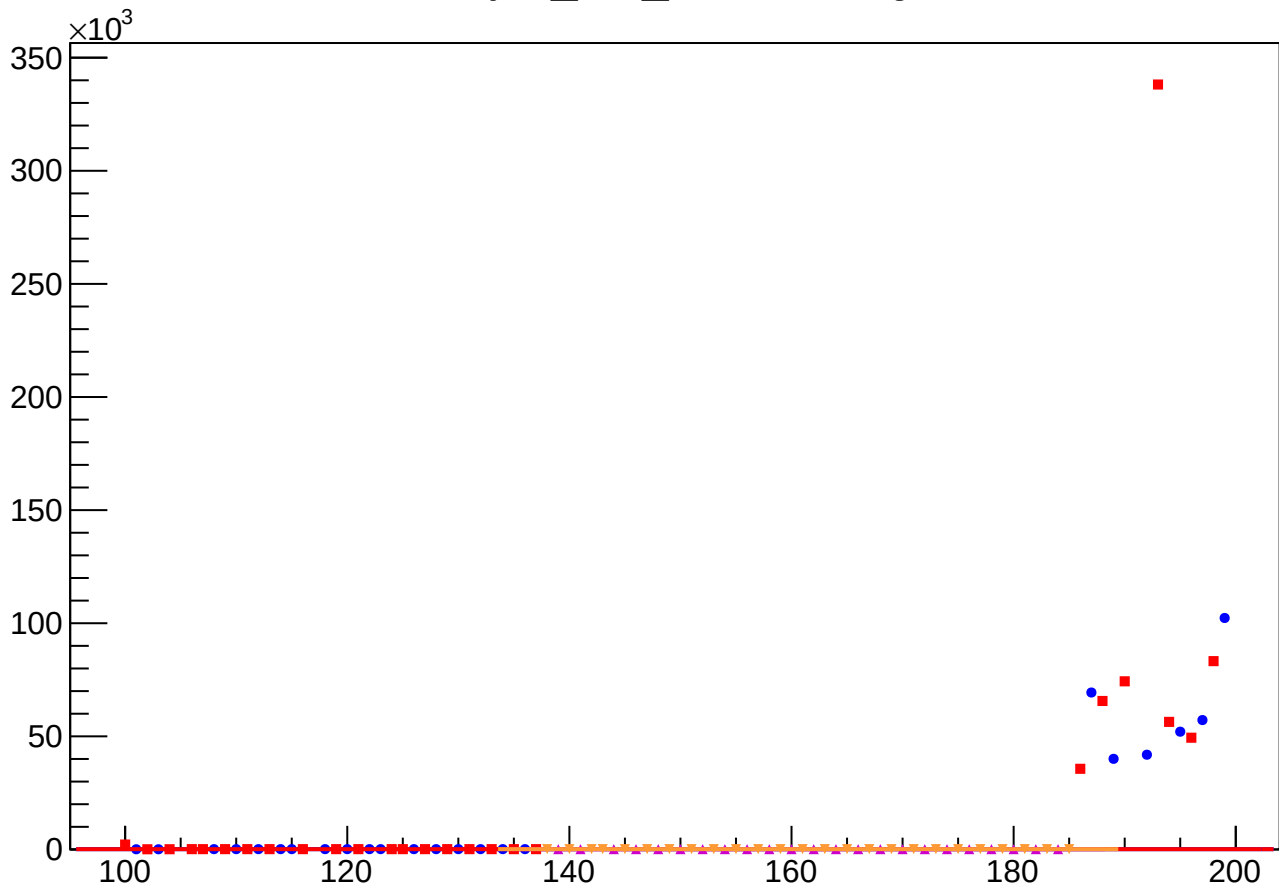
Left In: 65.231 ± 32.953 $\chi^2/\text{NDF}: 19.4/22$

+ sign -17.109 ± 26.465 $\chi^2/\text{NDF}: 27.9/47$

All: 4.258 ± 18.944 $\chi^2/\text{NDF}: 70.8/95$

- sign 26.710 ± 27.129 $\chi^2/\text{NDF}: 41.6/47$

asym_dsr_rms vs Slug



Right In: 117.865 $\pm$ 0.033 χ^2 /NDF: 3971410.5/22

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

Right Out: 124.797 $\pm$ 0.034 χ^2 /NDF: 4486522.9/25

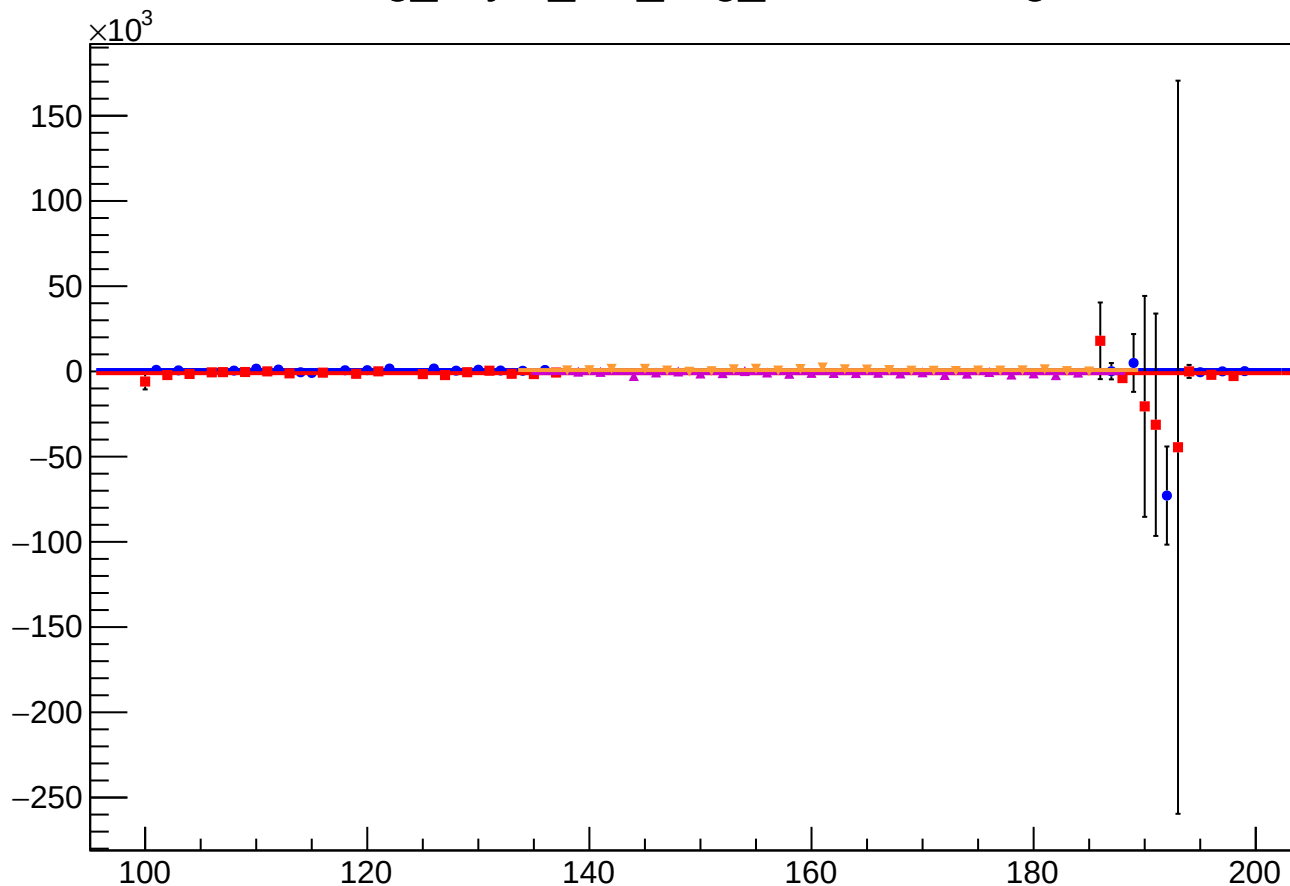
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.504 $\pm$ 0.019 χ^2 /NDF: 4220752.8/47

All: 132.545 $\pm$ 0.013 χ^2 /NDF: 8815101.8/96

- sign 133.639 $\pm$ 0.019 χ^2 /NDF: 4588004.5/48

reg_asym_left_avg_mean vs Slug



Right In: 816.949+/-213.507 χ^2/NDF : 12.4/21

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

Right Out: -1032.331+/-210.494 χ^2/NDF : 17.0/25

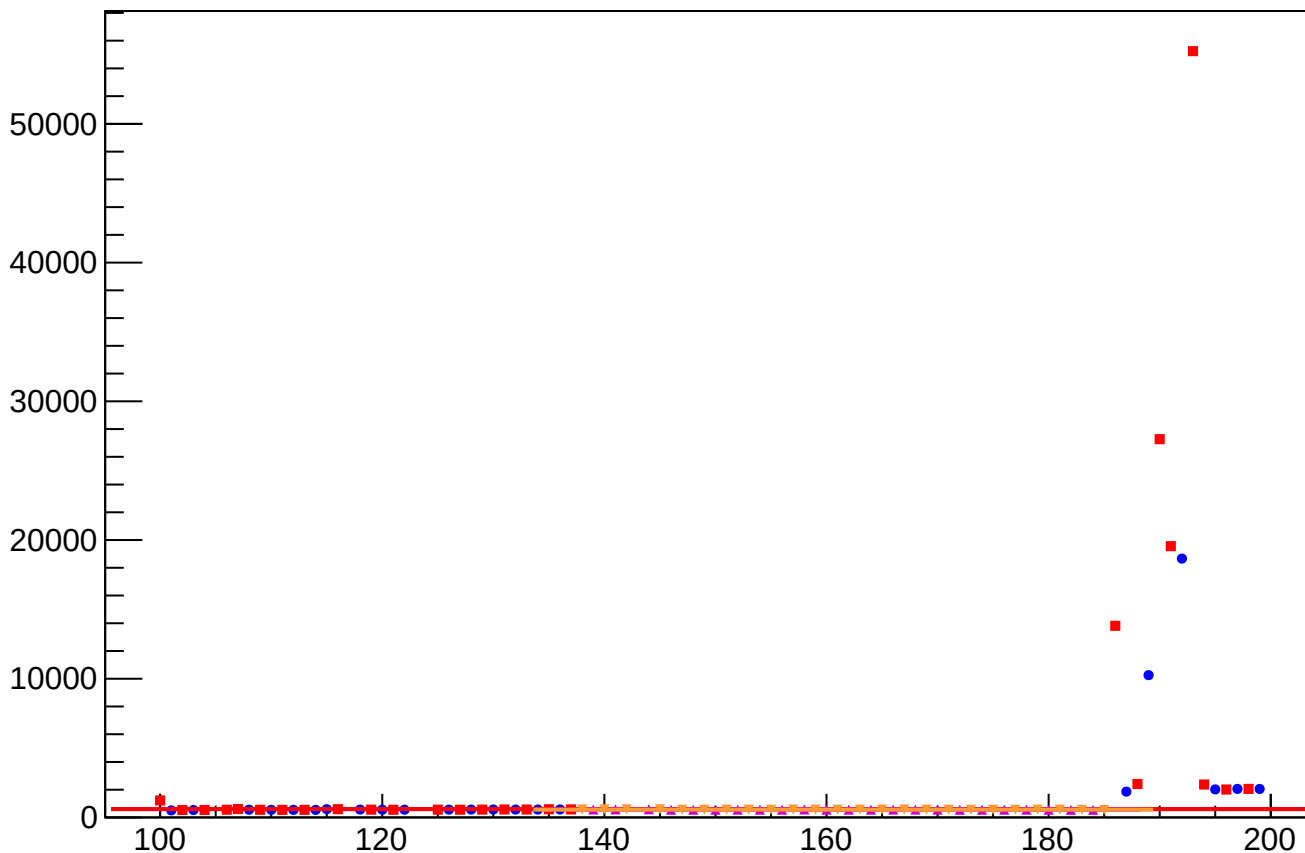
Left In: -974.402+/-134.932 χ^2/NDF : 27.4/22

+ sign 793.582+/-113.531 χ^2/NDF : 31.6/45

All: -98.331+/-80.302 χ^2/NDF : 199.6/94

- sign -991.273+/-113.596 χ^2/NDF : 44.5/48

reg_asym_left_avg_rms vs Slug



Right In: 601.805 $\pm$ 0.151 χ^2 /NDF: 4125950.1/21

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

Right Out: 605.138 $\pm$ 0.149 χ^2 /NDF: 4303794.3/25

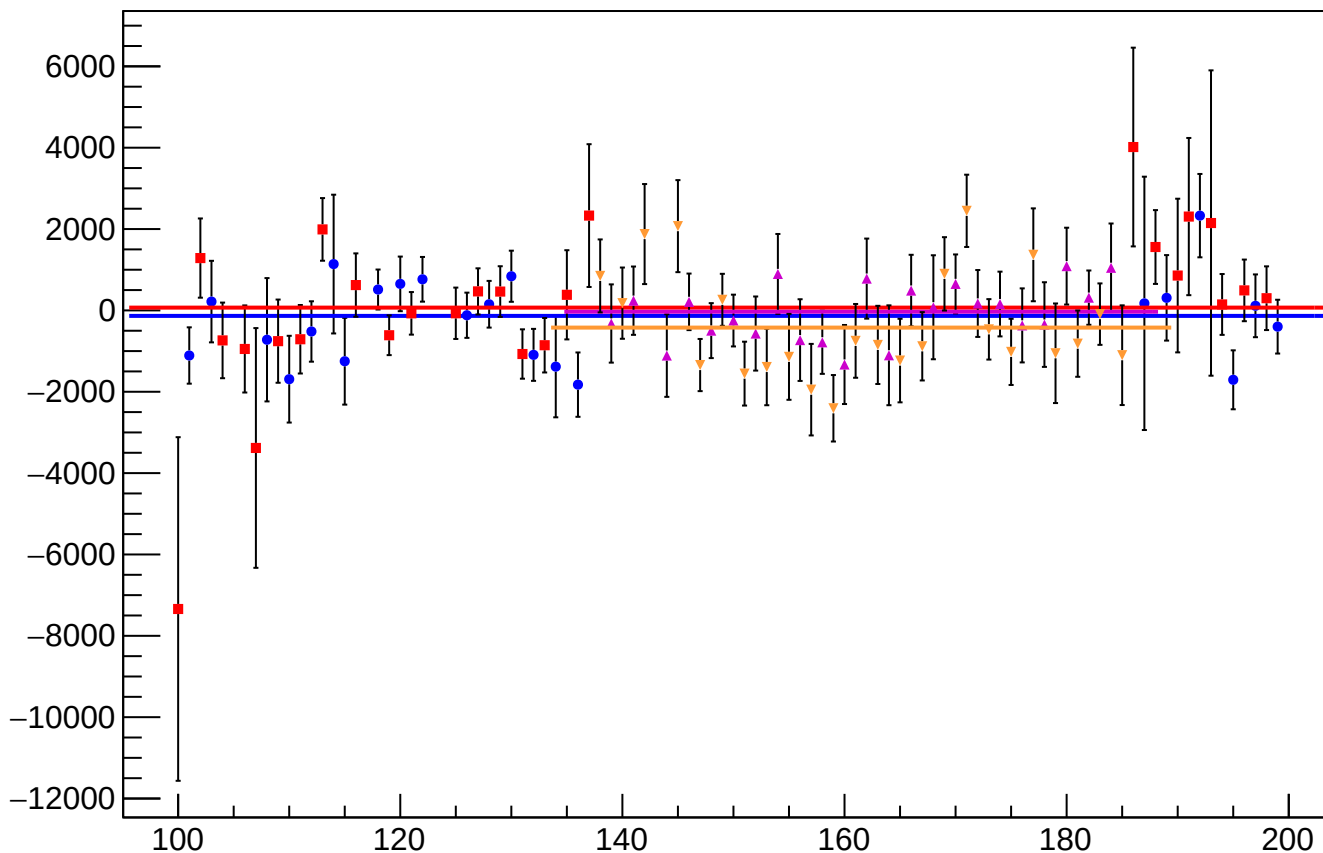
Left In: 564.383 $\pm$ 0.095 χ^2 /NDF: 9209.5/22

+ sign 574.792 $\pm$ 0.080 χ^2 /NDF: 4180179.6/45

All: 575.522 $\pm$ 0.057 χ^2 /NDF: 8546488.2/94

- sign 576.253 $\pm$ 0.080 χ^2 /NDF: 4366143.3/48

asym_left_avg_correction_mean vs Slug



Right In: -134.865+/-161.314 χ^2/NDF : 33.5/21

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

Right Out: 68.677+/-161.673 χ^2/NDF : 33.6/25

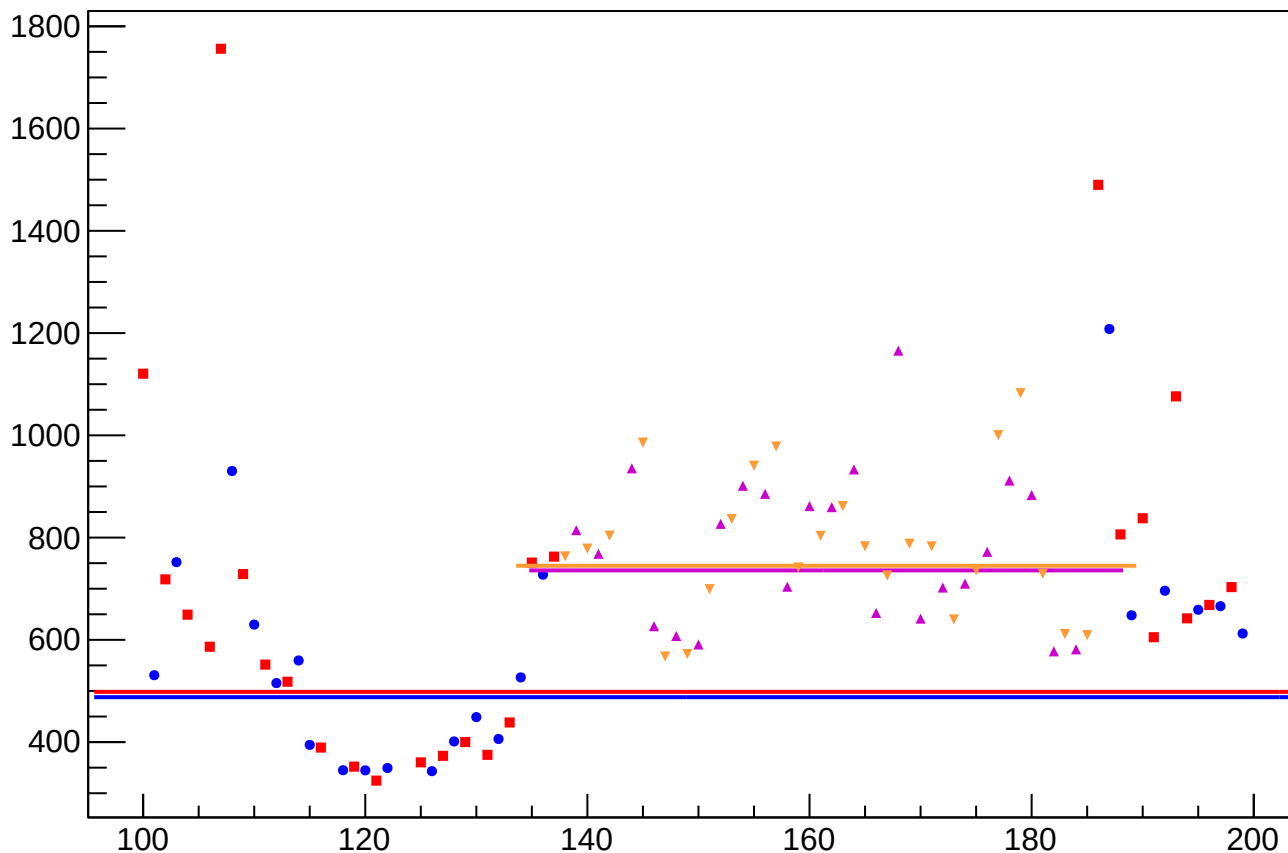
Left In: -32.411+/-179.430 χ^2/NDF : 12.2/22

+ sign -262.583+/-120.312 χ^2/NDF : 78.1/45

All: -119.359+/-85.001 χ^2/NDF : 126.9/94

- sign 23.381+/-120.109 χ^2/NDF : 45.9/48

asym_left_avg_correction_rms vs Slug



Right In: 487.878+/-0.114 χ^2/NDF : 1692386.3/21

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

Right Out: 498.265+/-0.114 χ^2/NDF : 2608052.1/25

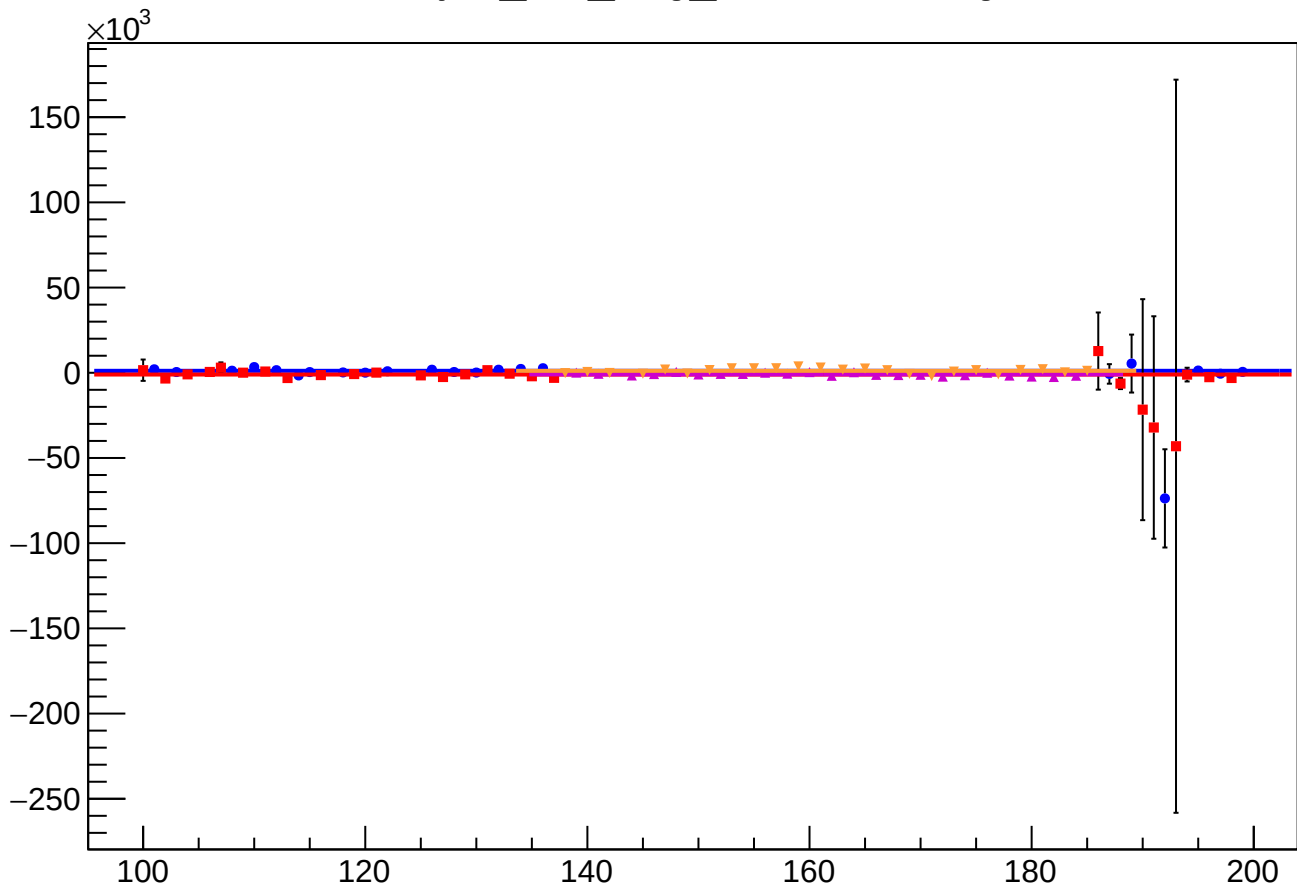
Left In: 735.850+/-0.127 χ^2/NDF :1105405.5/22

+ sign 601.935+/-0.085 χ^2/NDF : 4954391.7/45

All: 603.331+/-0.060 χ^2/NDF : 10603692.3/94

- sign 604.723+/-0.085 χ^2/NDF : 5648762.7/48

asym_left_avg_mean vs Slug



Right In: 1153.274 $\pm$ 289.026 χ^2 /NDF: 19.2/21

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

Right Out: -1039.284 $\pm$ 287.998 χ^2 /NDF: 27.8/25

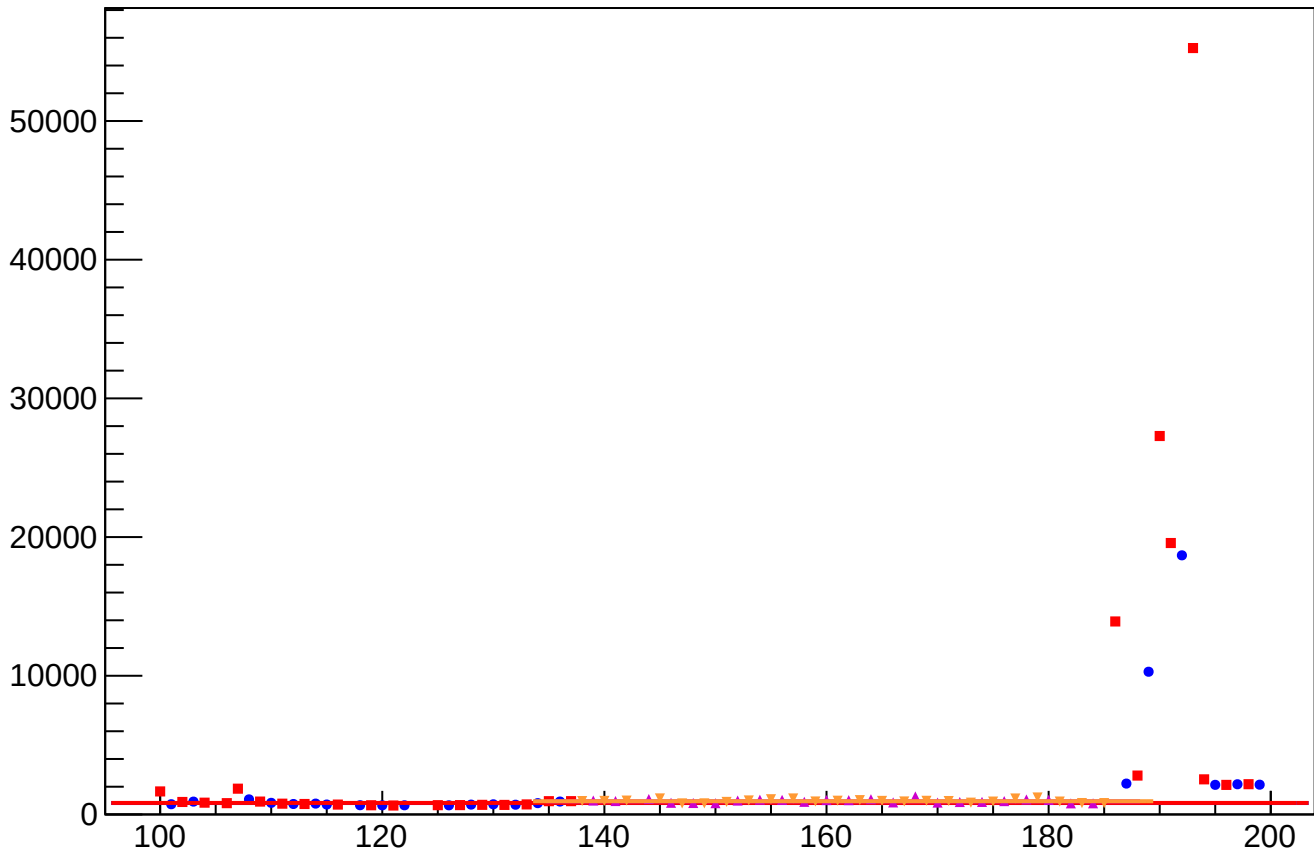
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1143.846 $\pm$ 179.410 χ^2 /NDF: 58.1/45

All: 79.328 $\pm$ 126.688 χ^2 /NDF: 170.9/94

- sign -979.363 $\pm$ 178.918 χ^2 /NDF: 42.6/48

asym_left_avg_rms vs Slug



Right In: 824.013+/-0.204 χ^2/NDF : 3742569.1/21

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

Right Out: 830.601+/-0.204 χ^2/NDF : 4244756.1/25

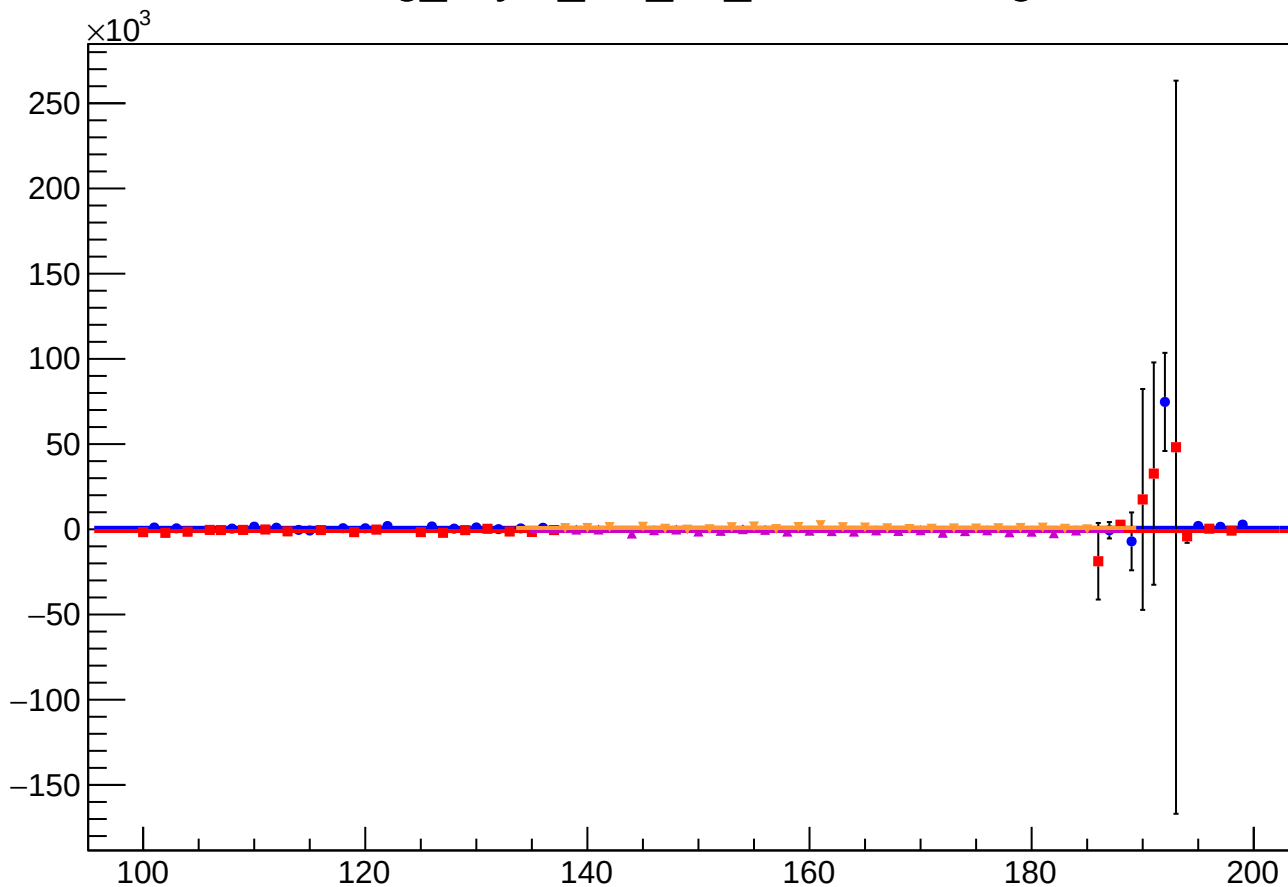
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 904.119+/-0.127 χ^2/NDF : 4452656.7/45

All: 902.963+/-0.090 χ^2/NDF : 9398085.9/94

- sign 901.814+/-0.127 χ^2/NDF : 4945263.8/48

reg_asym_left_dd_mean vs Slug



Right In: 878.554 ± 213.356 χ^2/NDF : 14.0/21

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

Right Out: -1000.150 ± 205.658 χ^2/NDF : 16.1/25

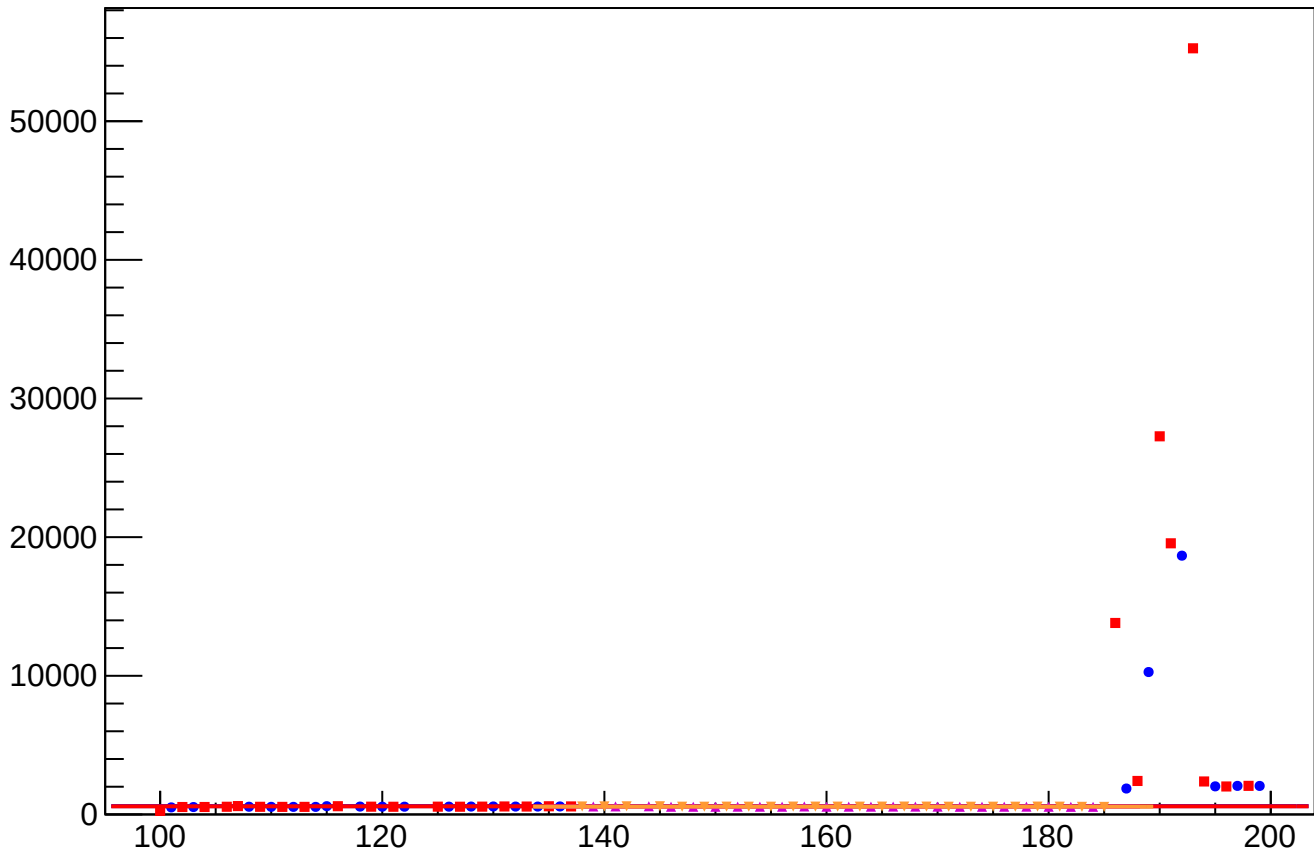
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 791.824 ± 113.440 χ^2/NDF : 35.3/45

All: -94.949 ± 79.971 χ^2/NDF : 199.7/94

- sign -971.031 ± 112.755 χ^2/NDF : 43.0/48

reg_asym_left_dd_rms vs Slug



Right In: 601.277+/-0.151 χ^2/NDF : 4131729.7/21

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

Right Out: 587.264+/-0.145 χ^2/NDF : 4526155.0/25

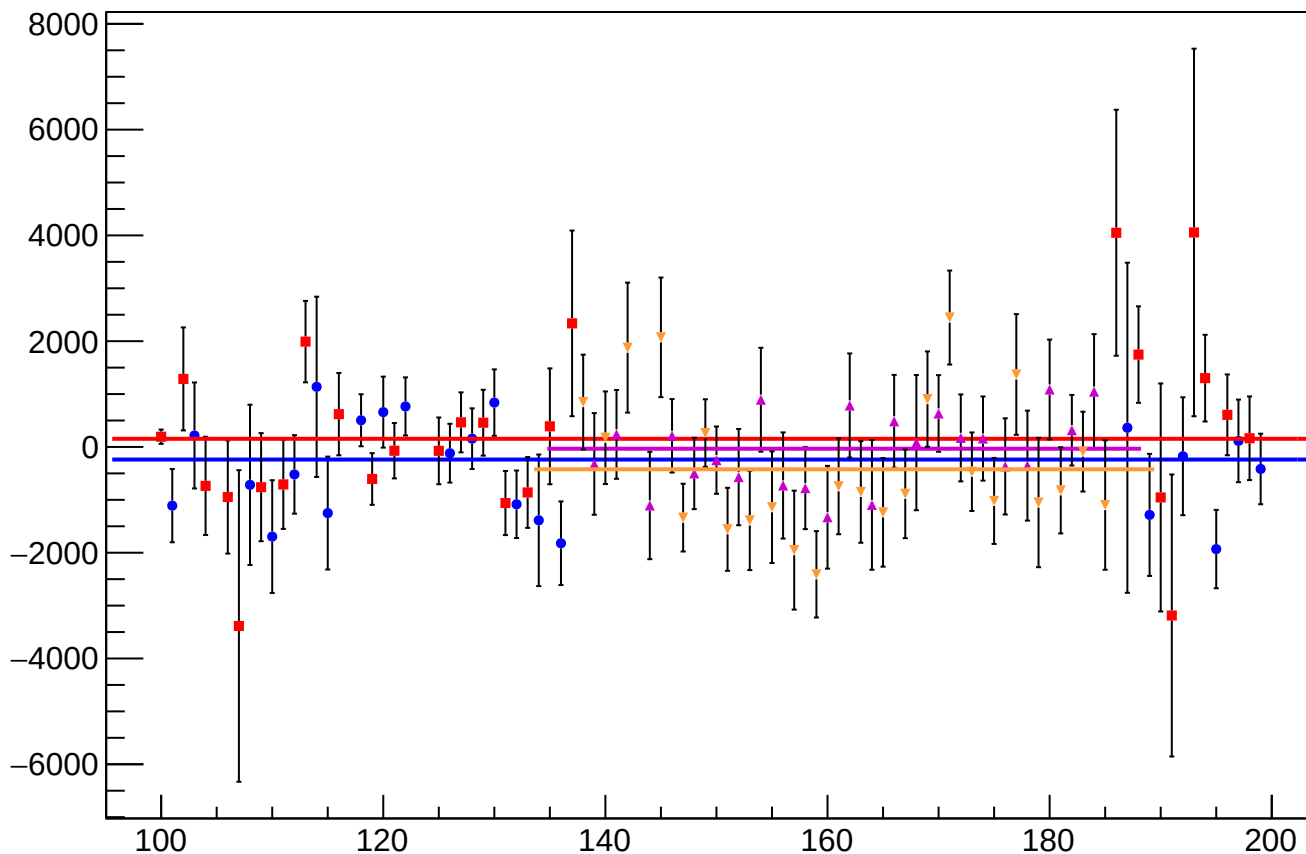
Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

+ sign 574.305+/-0.080 χ^2/NDF : 4185833.8/45

All: 572.616+/-0.057 χ^2/NDF : 8740076.1/94

- sign 570.947+/-0.080 χ^2/NDF : 4553360.7/48

asym_left_dd_correction_mean vs Slug



Right In: -238.158+/-162.238 χ^2/NDF : 29.3/21

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

Right Out: 154.011+/-103.924 χ^2/NDF : 35.2/25

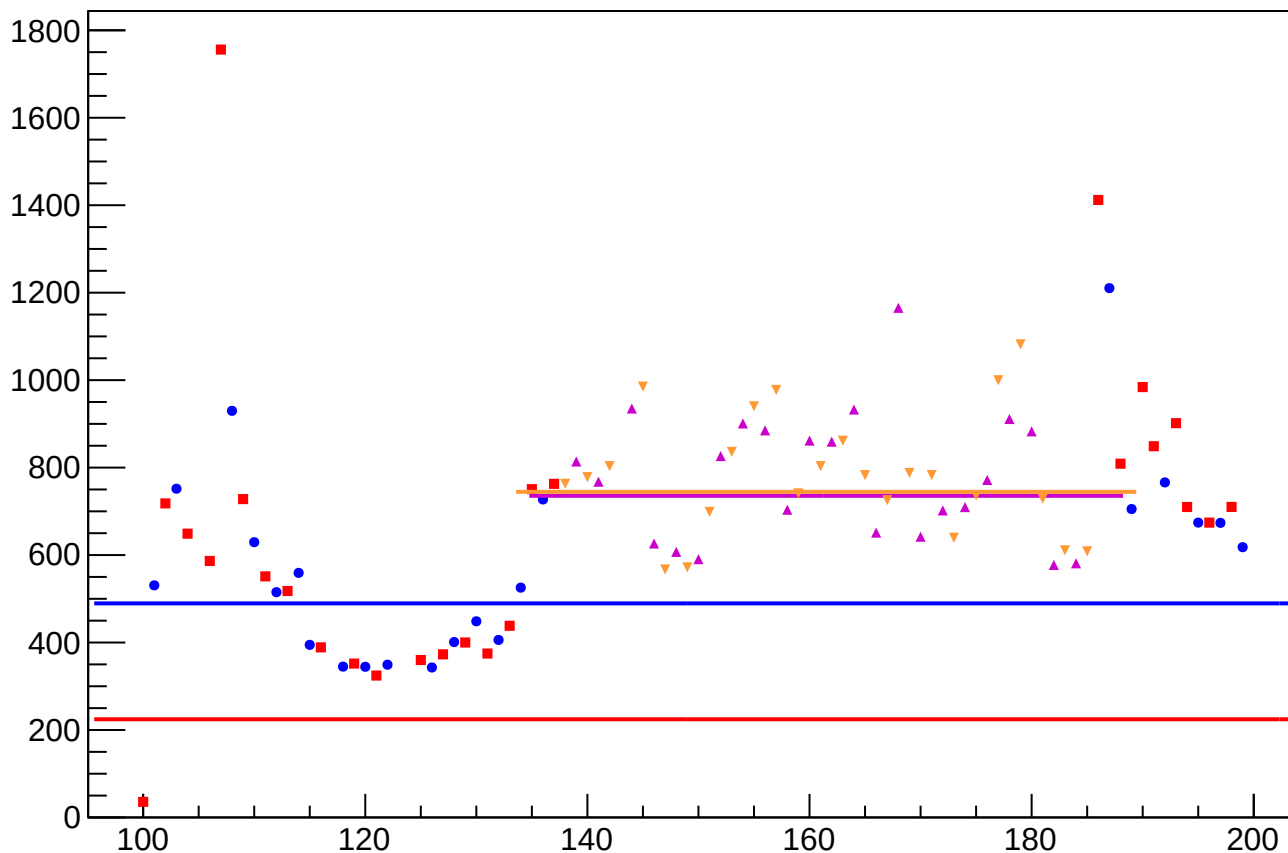
Left In: -33.325+/-179.355 χ^2/NDF : 12.1/22

+ sign -320.440+/-120.671 χ^2/NDF : 73.2/45

All: -45.656+/-72.103 χ^2/NDF : 129.3/94

- sign 106.924+/-89.920 χ^2/NDF : 48.1/48

asym_left_dd_correction_rms vs Slug



Right In: 489.540 $\pm$ 0.115 χ^2 /NDF: 1787264.0/21

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

Right Out: 224.512 $\pm$ 0.073 χ^2 /NDF: 12279935.2/25

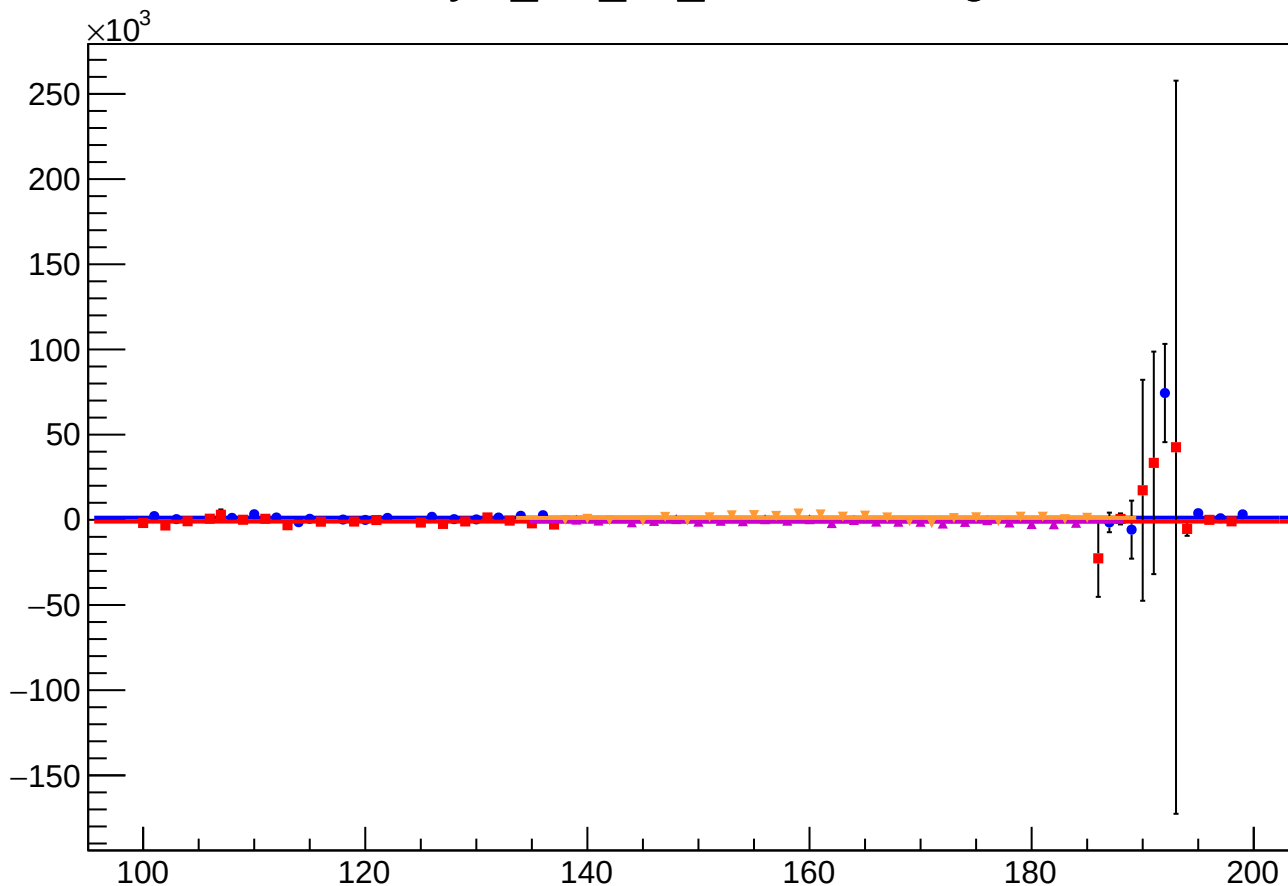
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF: 1105222.3/22

+ sign 603.495 $\pm$ 0.085 χ^2 /NDF: 5005355.6/45

All: 442.408 $\pm$ 0.051 χ^2 /NDF: 36089214.2/94

- sign 352.960 $\pm$ 0.064 χ^2 /NDF: 25540699.9/48

asym_left_dd_mean vs Slug



Right In: 1254.893 $\pm$ 288.875 χ^2 /NDF: 20.5/21

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

Right Out: -1042.678 $\pm$ 276.195 χ^2 /NDF: 25.3/25

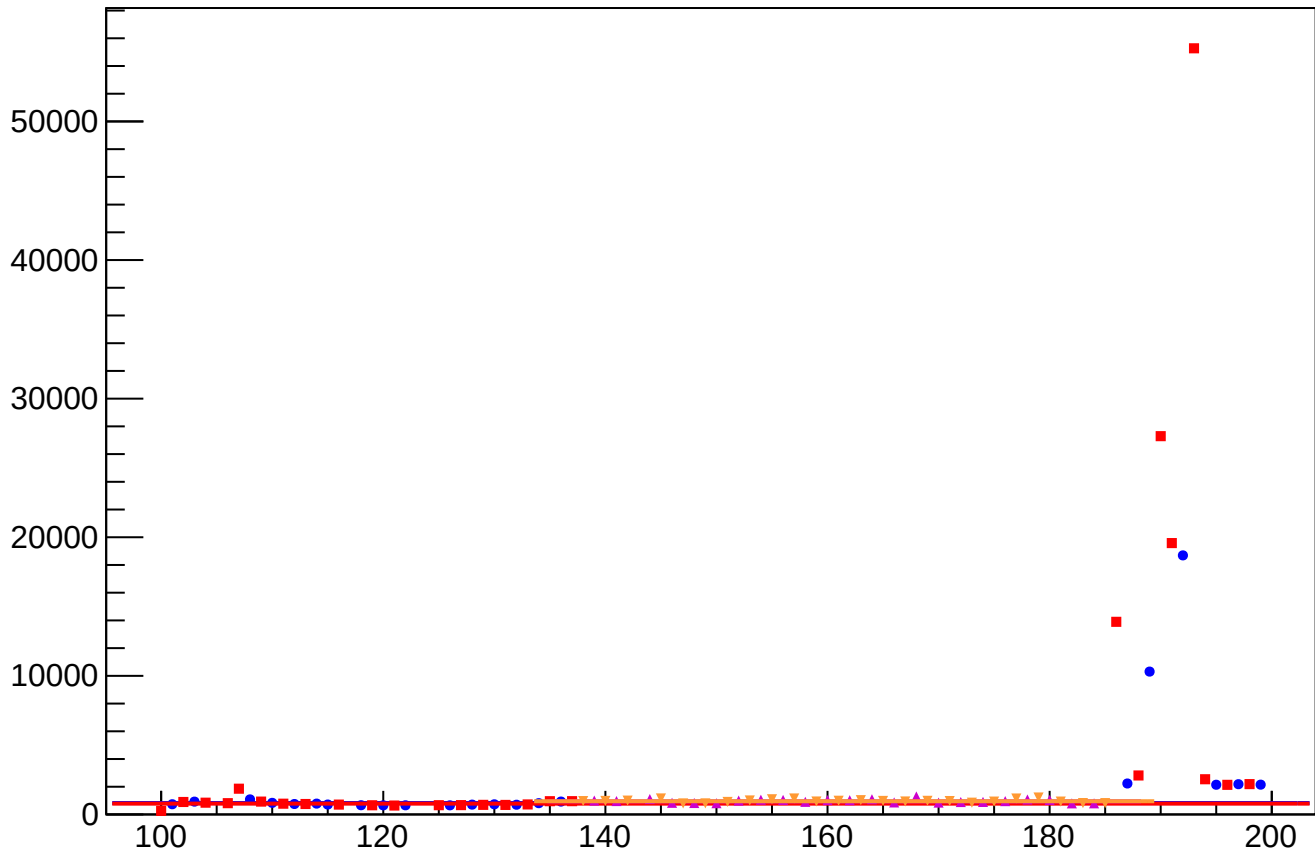
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1162.840 $\pm$ 179.309 χ^2 /NDF: 58.9/45

All: 74.286 $\pm$ 125.575 χ^2 /NDF: 171.8/94

- sign -973.503 $\pm$ 175.920 χ^2 /NDF: 40.5/48

asym_left_dd_rms vs Slug



Right In: 823.360+/-0.204 χ^2/NDF : 3751656.4/21

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

Right Out: 781.776+/-0.195 χ^2/NDF : 4858150.4/25

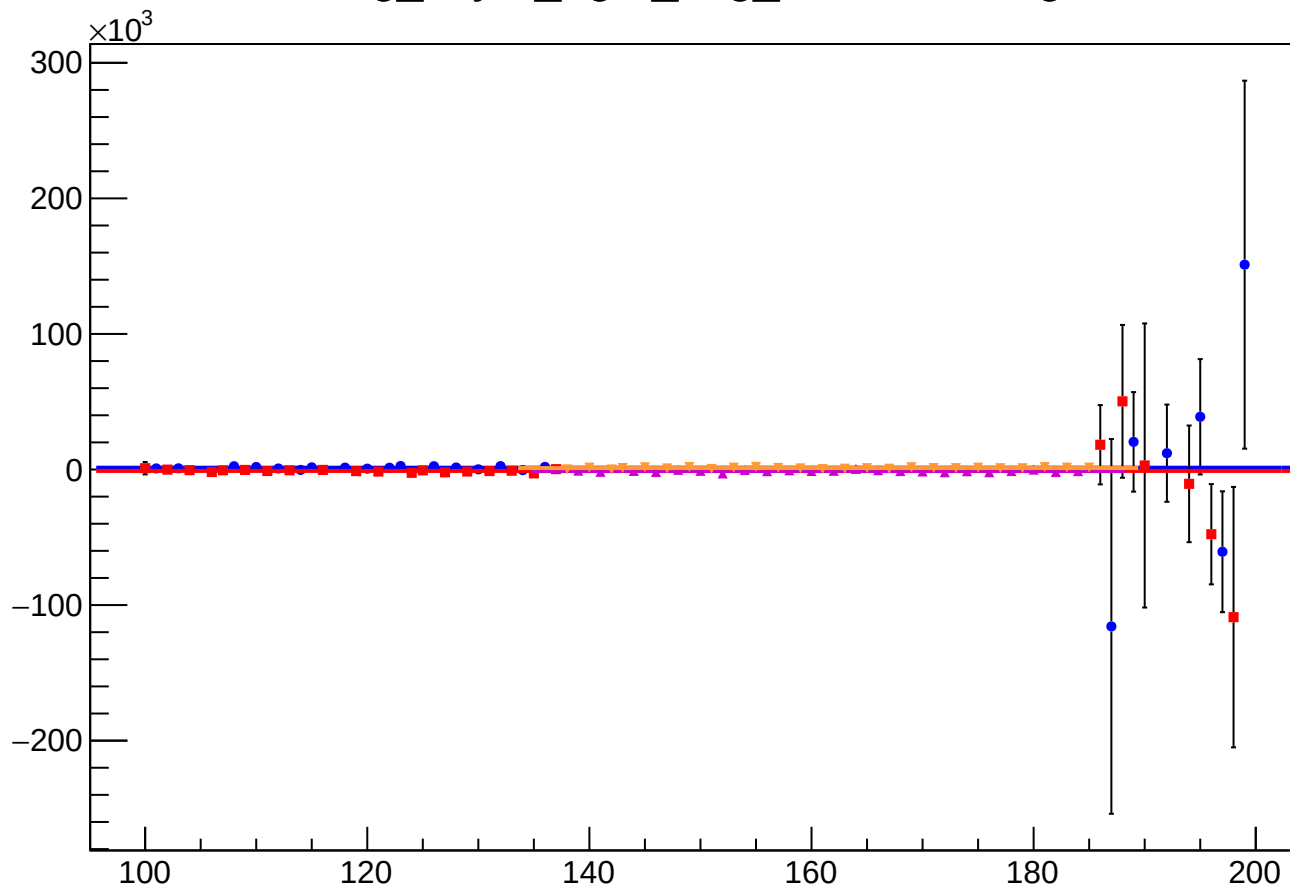
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 903.532+/-0.127 χ^2/NDF : 4462464.3/45

All: 891.235+/-0.089 χ^2/NDF : 10260952.3/94

- sign 879.400+/-0.124 χ^2/NDF : 5780029.7/48

reg_asym_right_avg_mean vs Slug



Right In: 1324.722 $\pm$ 218.586 χ^2 /NDF: 17.8/22

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

Right Out: -1041.036 $\pm$ 212.065 χ^2 /NDF: 17.7/24

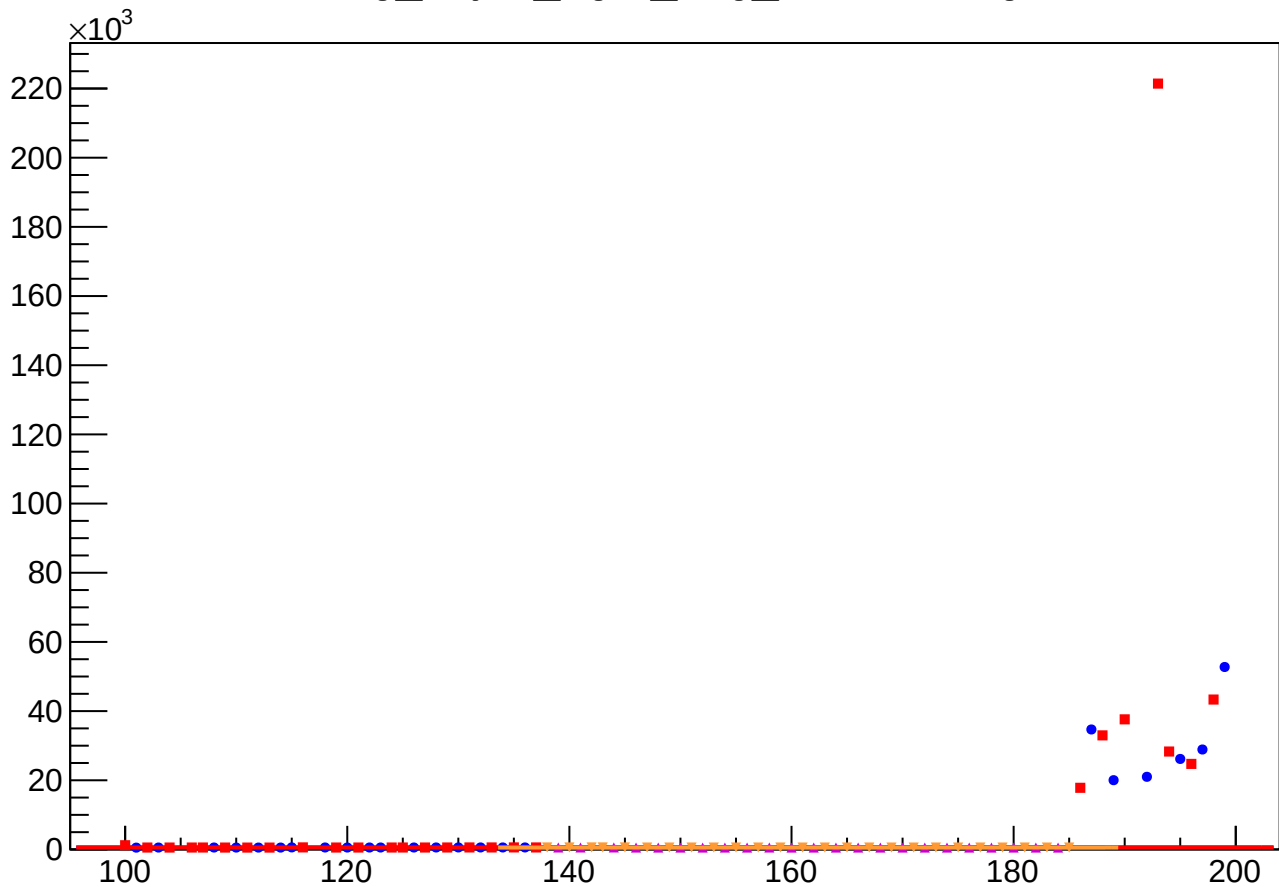
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

+ sign 1139.003 $\pm$ 111.536 χ^2 /NDF: 33.9/47

All: 31.637 $\pm$ 79.302 χ^2 /NDF: 281.0/95

- sign -1100.435 $\pm$ 112.773 χ^2 /NDF: 47.8/47

reg_asym_right_avg_rms vs Slug



Right In: 566.588 $\pm$ 0.155 χ^2 /NDF: 3240069.6/22

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

Right Out: 568.579 $\pm$ 0.150 χ^2 /NDF: 3923369.2/25

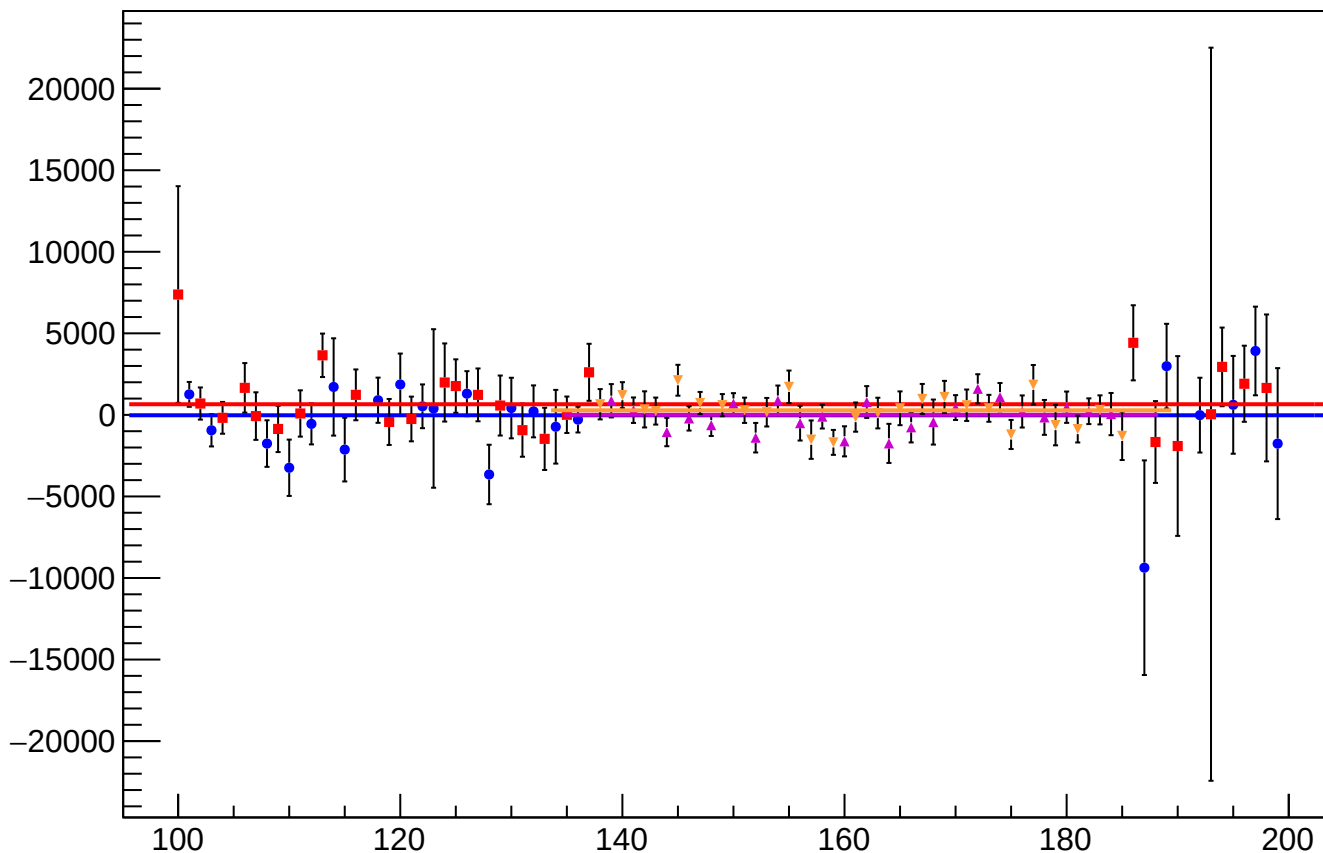
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

+ sign 559.892 $\pm$ 0.079 χ^2 /NDF: 3257360.4/47

All: 560.070 $\pm$ 0.056 χ^2 /NDF: 7196248.9/96

- sign 560.252 $\pm$ 0.080 χ^2 /NDF: 3938878.1/48

asym_right_avg_correction_mean vs Slug



Right In: -23.383 ± 317.265 $\chi^2/\text{NDF}: 22.8/22$

Left Out: 281.875 ± 180.423 $\chi^2/\text{NDF}: 26.7/24$

Right Out: 652.836 ± 319.328 $\chi^2/\text{NDF}: 19.6/25$

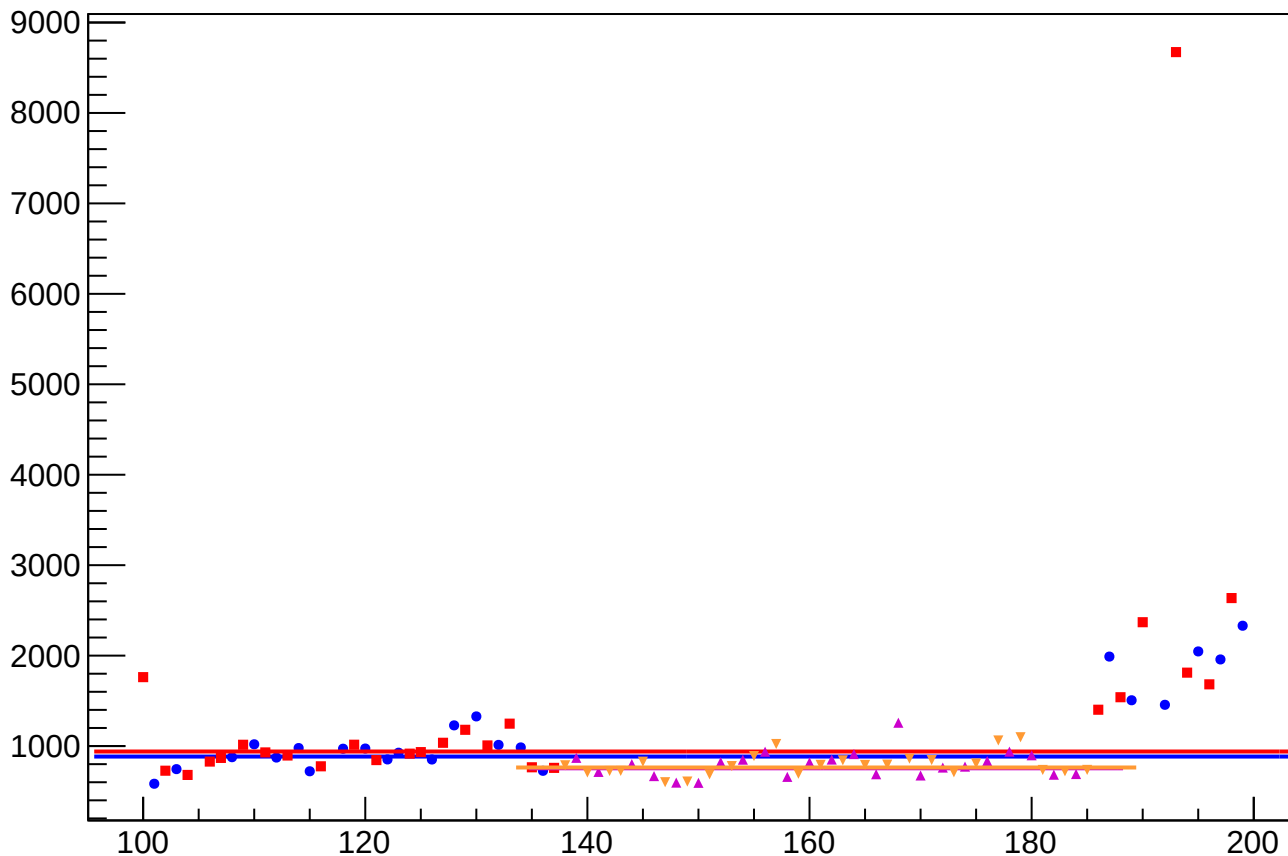
Left In: 8.211 ± 183.382 $\chi^2/\text{NDF}: 20.2/22$

+ sign 207.279 ± 156.836 $\chi^2/\text{NDF}: 50.2/47$

All: 187.951 ± 111.666 $\chi^2/\text{NDF}: 93.1/96$

- sign 168.079 ± 159.024 $\chi^2/\text{NDF}: 42.9/48$

asym_right_avg_correction_rms vs Slug



Right In: 883.964 ± 0.224 $\chi^2/\text{NDF}: 1780584.5/22$

Left Out: 763.085 ± 0.128 $\chi^2/\text{NDF}: 753700.1/24$

Right Out: 939.839 ± 0.226 $\chi^2/\text{NDF}: 1809099.8/25$

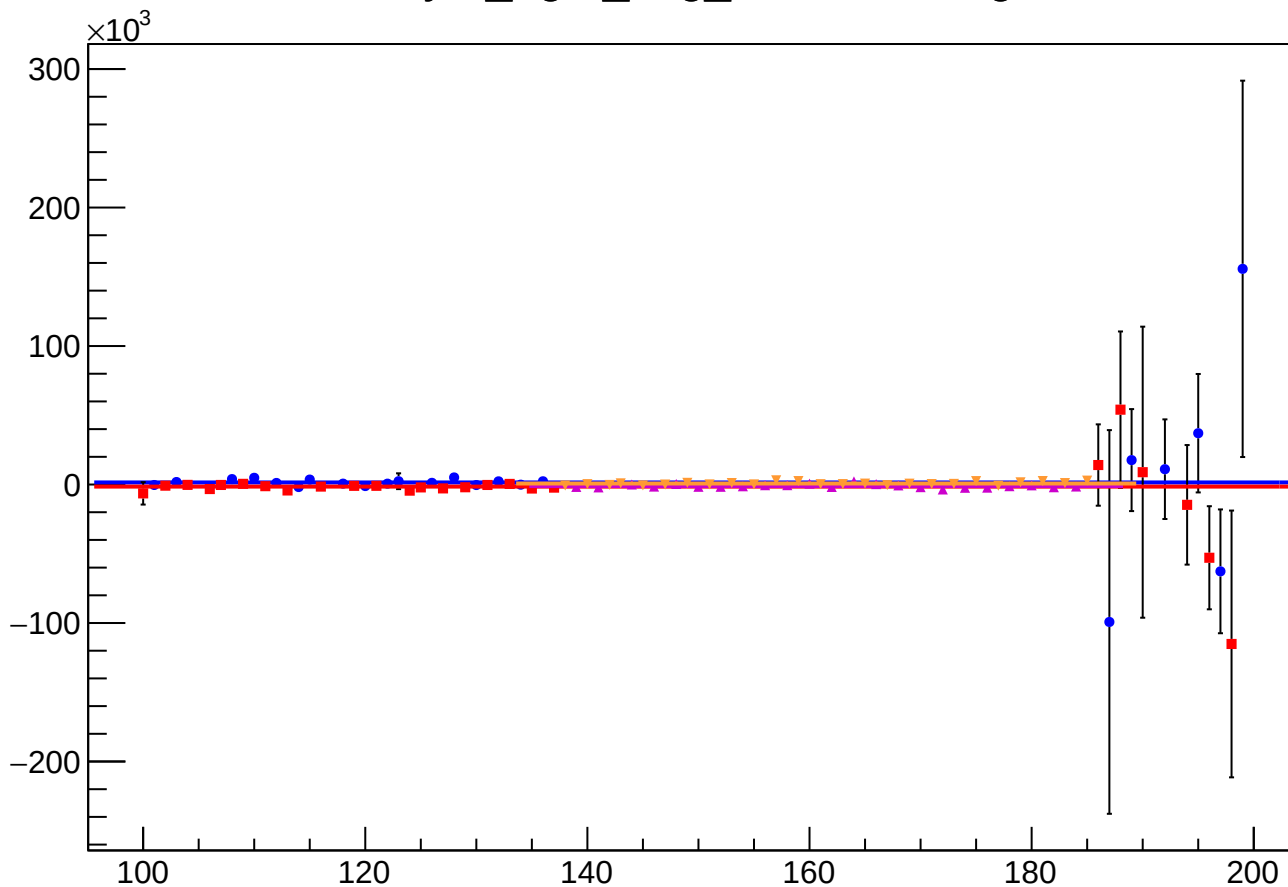
Left In: 754.099 ± 0.130 $\chi^2/\text{NDF}: 931829.3/22$

+ sign 792.624 ± 0.111 $\chi^2/\text{NDF}: 2753665.6/47$

All: 796.341 ± 0.079 $\chi^2/\text{NDF}: 6005718.5/96$

- sign 800.163 ± 0.112 $\chi^2/\text{NDF}: 3249774.5/48$

asym_right_avg_mean vs Slug



Right In: 1499.545 ± 402.580 χ^2/NDF : 21.9/22

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

Right Out: -1490.964 ± 400.624 χ^2/NDF : 16.7/24

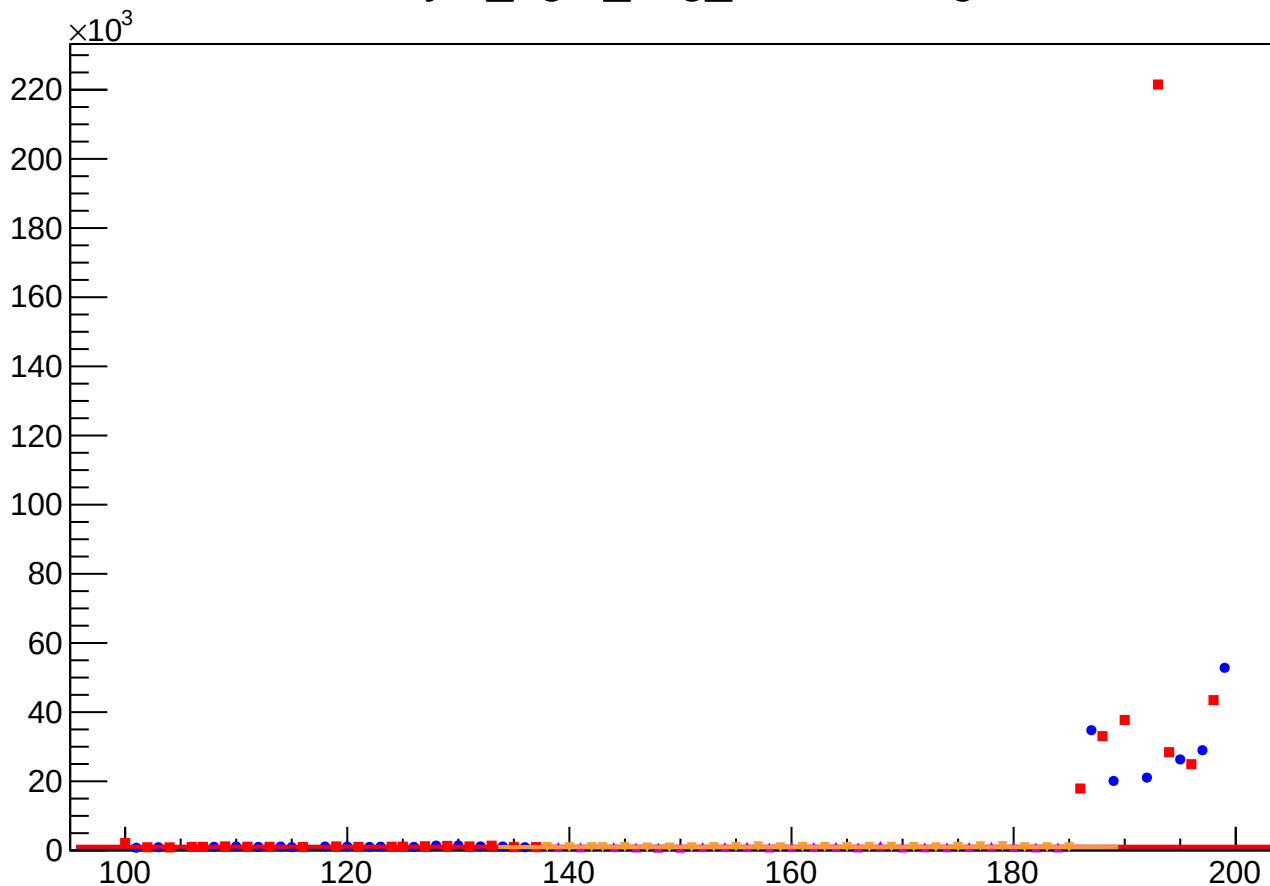
Left In: -1124.587 ± 230.065 χ^2/NDF : 25.4/22

+ sign 921.166 ± 196.762 χ^2/NDF : 46.2/47

All: -132.335 ± 140.092 χ^2/NDF : 147.0/95

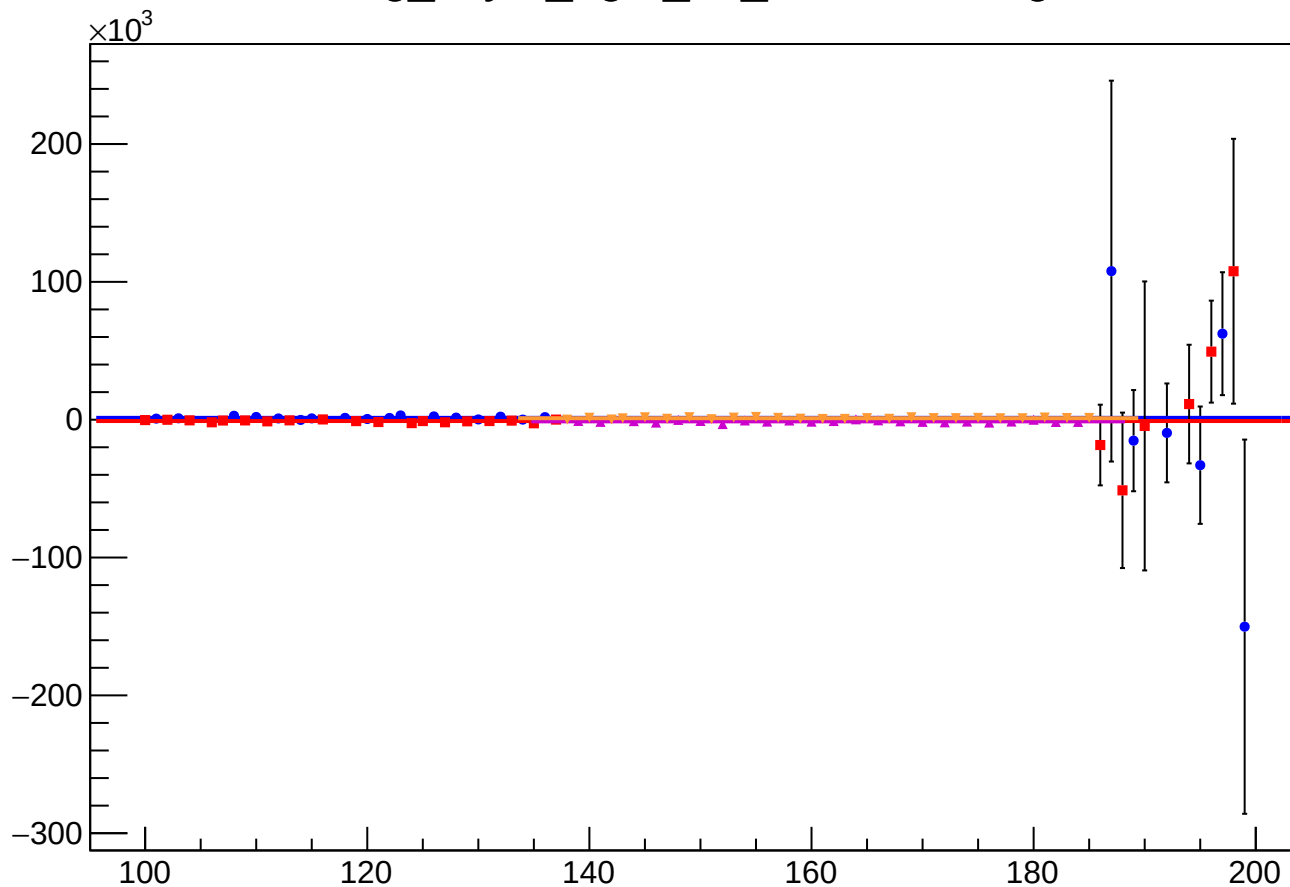
- sign -1215.448 ± 199.508 χ^2/NDF : 42.7/47

asym_right_avg_rms vs Slug



Right In: 1032.184 $\pm$ 0.285 χ^2 /NDF: 3449727.4/22 + sign 978.960 $\pm$ 0.139 χ^2 /NDF: 3858594.0/47
 Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF:362937.6/24 All: 980.982 $\pm$ 0.099 χ^2 /NDF: 8396217.7/96
 Right Out: 1069.235 $\pm$ 0.283 χ^2 /NDF: 3970749.7/25 - sign 983.062 $\pm$ 0.141 χ^2 /NDF: 4537195.1/48
 Left In: 954.643 $\pm$ 0.163 χ^2 /NDF:443395.0/22

reg_asym_right_dd_mean vs Slug



Right In: 1344.843 ± 218.841 χ^2/NDF : 16.7/22

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

Right Out: -964.622 ± 208.601 χ^2/NDF : 16.6/24

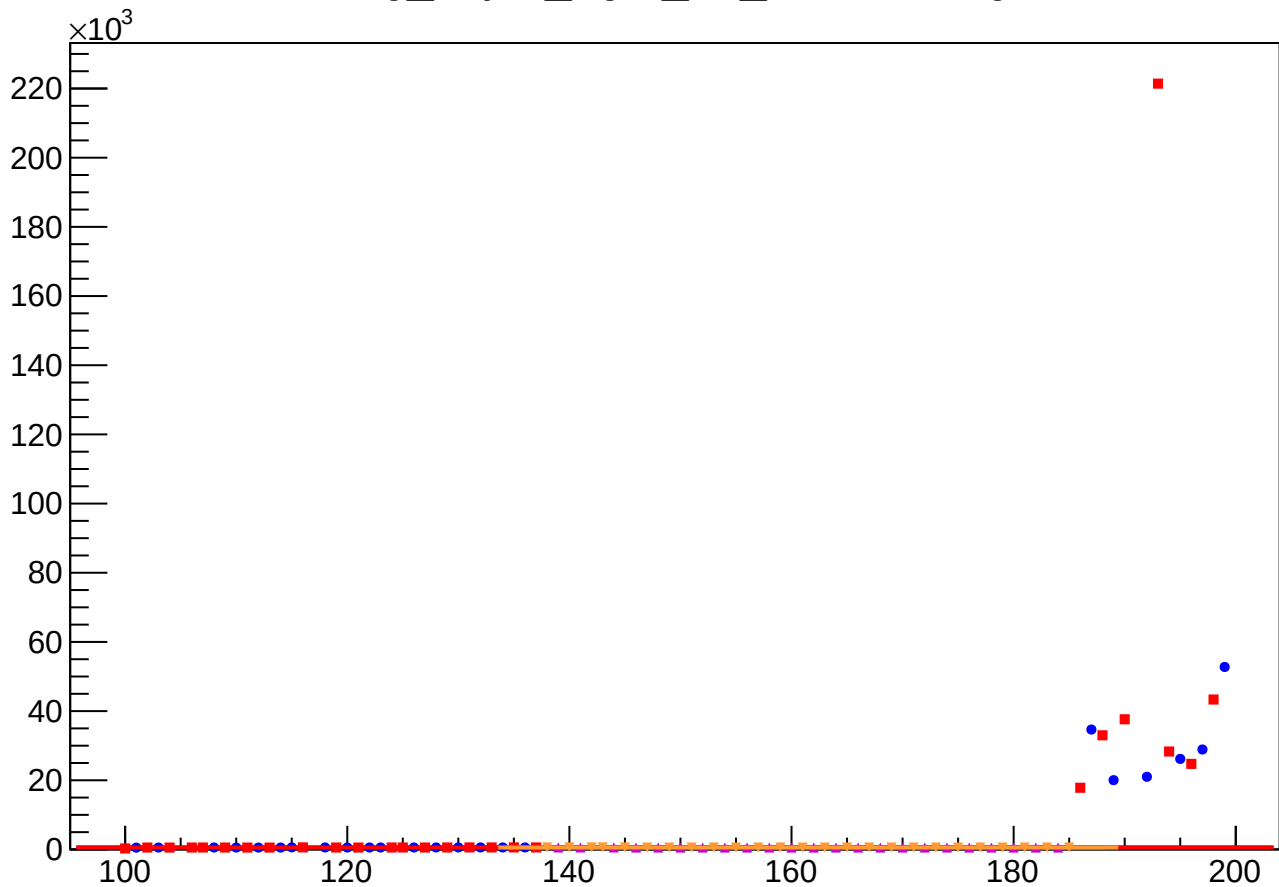
Left In: -1189.481 ± 133.313 χ^2/NDF : 32.2/22

+ sign 1154.582 ± 111.653 χ^2/NDF : 32.6/47

All: 22.066 ± 79.190 χ^2/NDF : 289.2/95

- sign -1124.275 ± 112.333 χ^2/NDF : 49.6/47

reg_asym_right_dd_rms vs Slug



Right In: 567.248 $\pm$ 0.155 χ^2 /NDF: 3240160.3/22

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

Right Out: 557.609 $\pm$ 0.148 χ^2 /NDF: 4009816.3/25

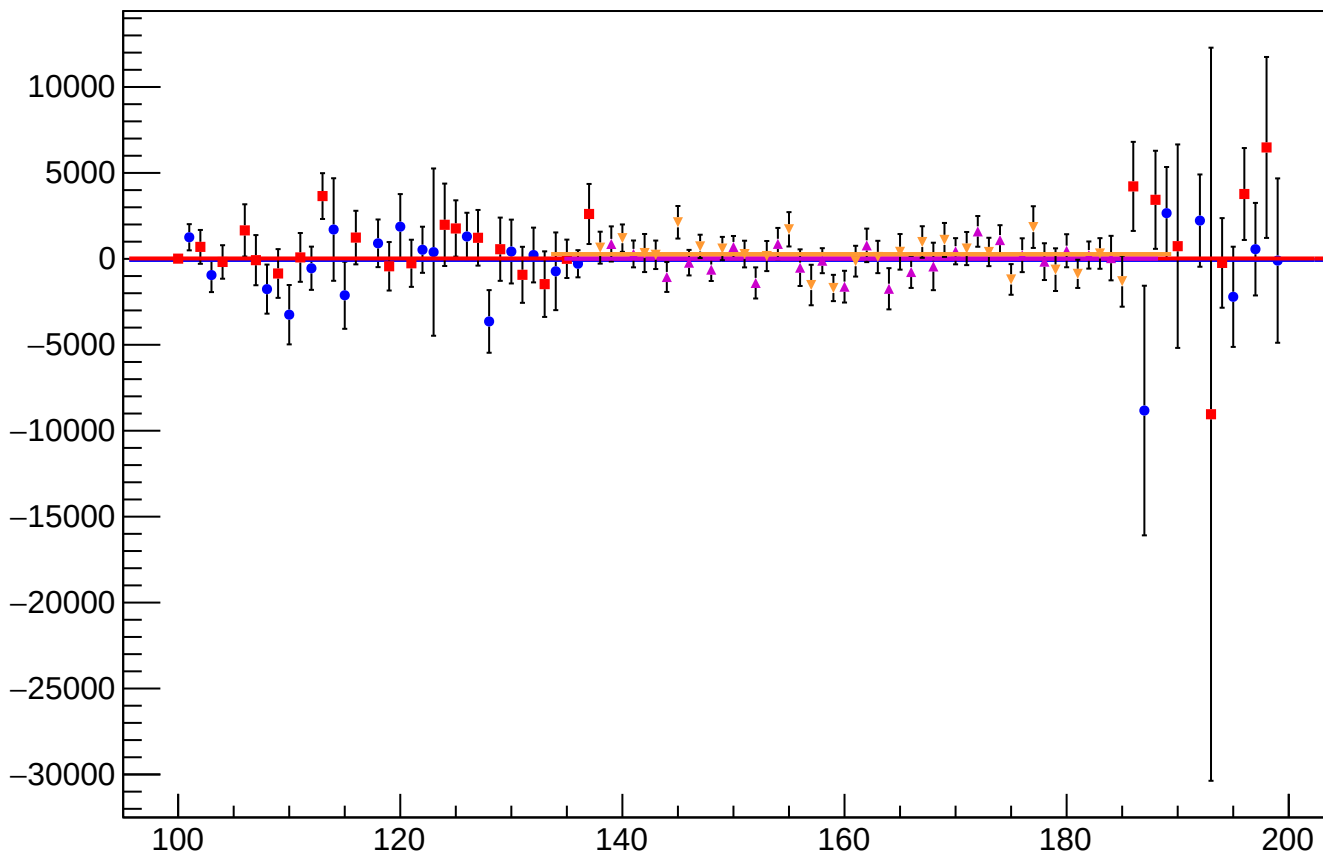
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

+ sign 560.480 $\pm$ 0.079 χ^2 /NDF: 3257530.8/47

All: 559.049 $\pm$ 0.056 χ^2 /NDF: 7279285.3/96

- sign 557.600 $\pm$ 0.079 χ^2 /NDF: 4021093.1/48

asym_right_dd_correction_mean vs Slug



Right In: -63.539 ± 318.302 χ^2/NDF : 20.8/22

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

Right Out: 22.756 ± 38.937 χ^2/NDF : 23.6/25

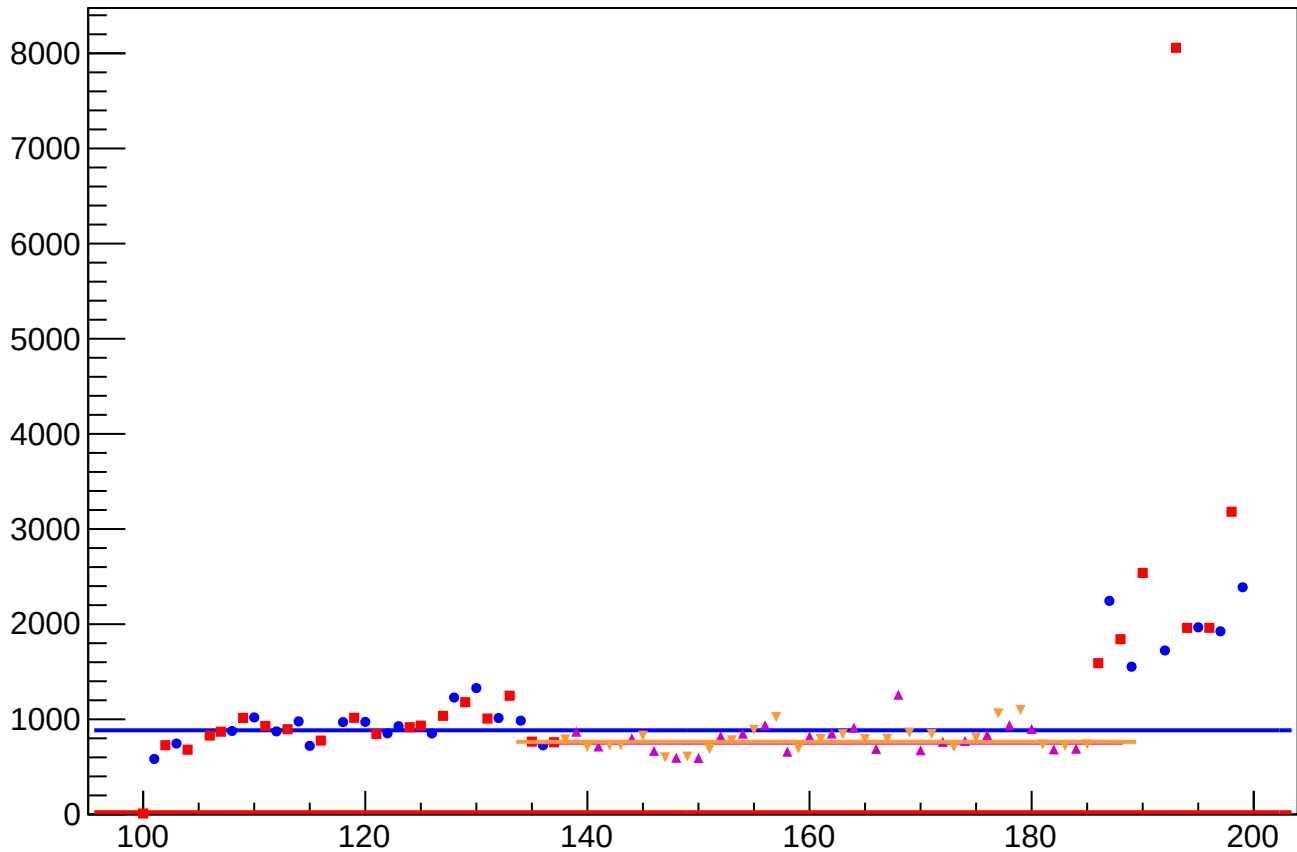
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 197.485 ± 156.997 χ^2/NDF : 48.5/47

All: 31.839 ± 37.015 χ^2/NDF : 93.5/96

- sign 22.090 ± 38.088 χ^2/NDF : 43.7/48

asym_right_dd_correction_rms vs Slug



Right In: 884.538 $\pm$ 0.225 χ^2/NDF : 1838451.3/22

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

Right Out: 23.616 $\pm$ 0.028 χ^2/NDF : 18546967.1/25

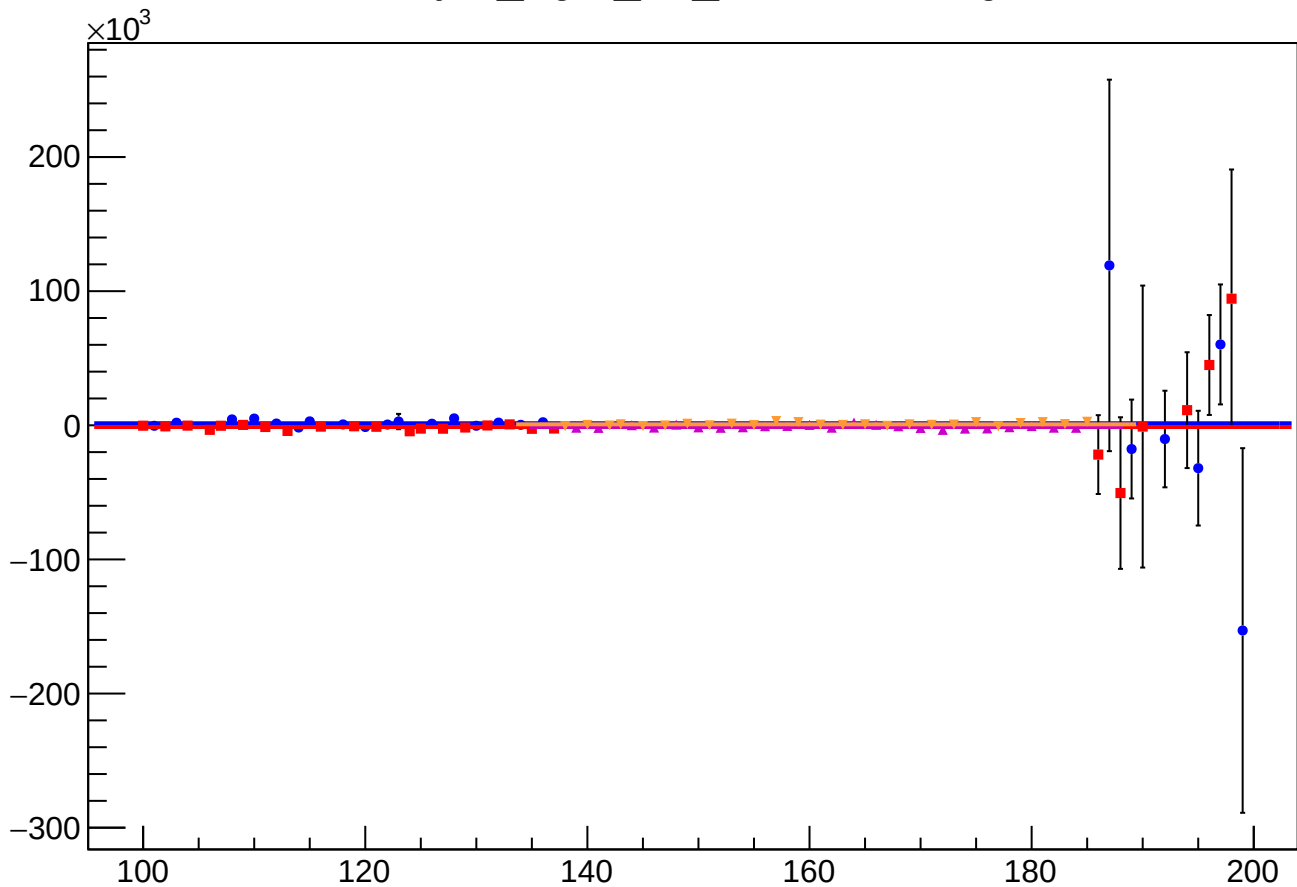
Left In: 754.483 $\pm$ 0.130 χ^2/NDF : 931536.8/22

+ sign 792.800 $\pm$ 0.111 χ^2/NDF : 2811723.4/47

All: 96.119 $\pm$ 0.026 χ^2/NDF : 94360626.8/96

- sign 55.114 $\pm$ 0.027 χ^2/NDF : 49847421.7/48

asym_right_dd_mean vs Slug



Right In: 1517.157 ± 402.803 χ^2/NDF : 22.5/22

Left Out: 742.825 ± 225.658 χ^2/NDF : 20.2/24

Right Out: -1285.947 ± 376.601 χ^2/NDF : 16.2/24

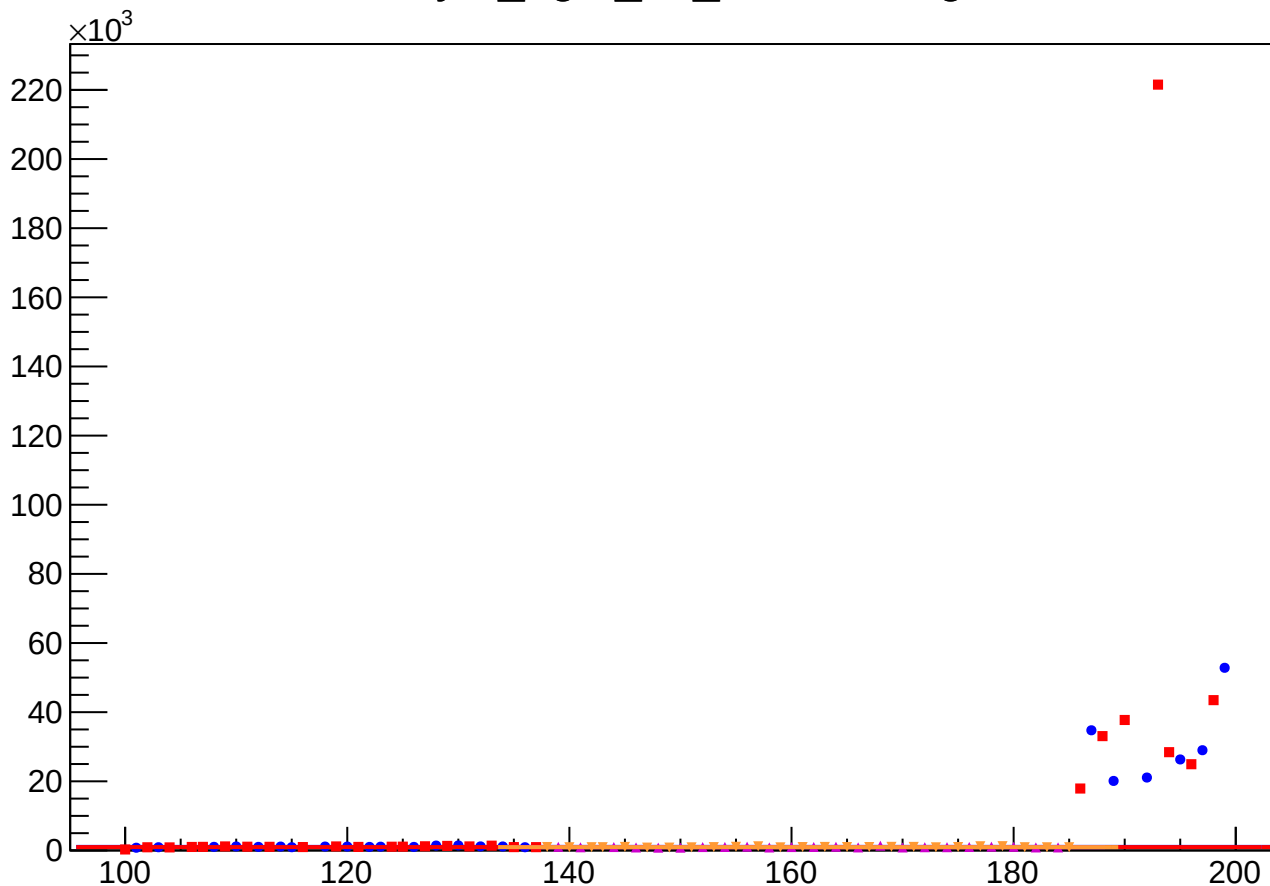
Left In: -1176.288 ± 230.229 χ^2/NDF : 24.2/22

+ sign 927.793 ± 196.870 χ^2/NDF : 45.6/47

All: -141.546 ± 139.052 χ^2/NDF : 145.0/95

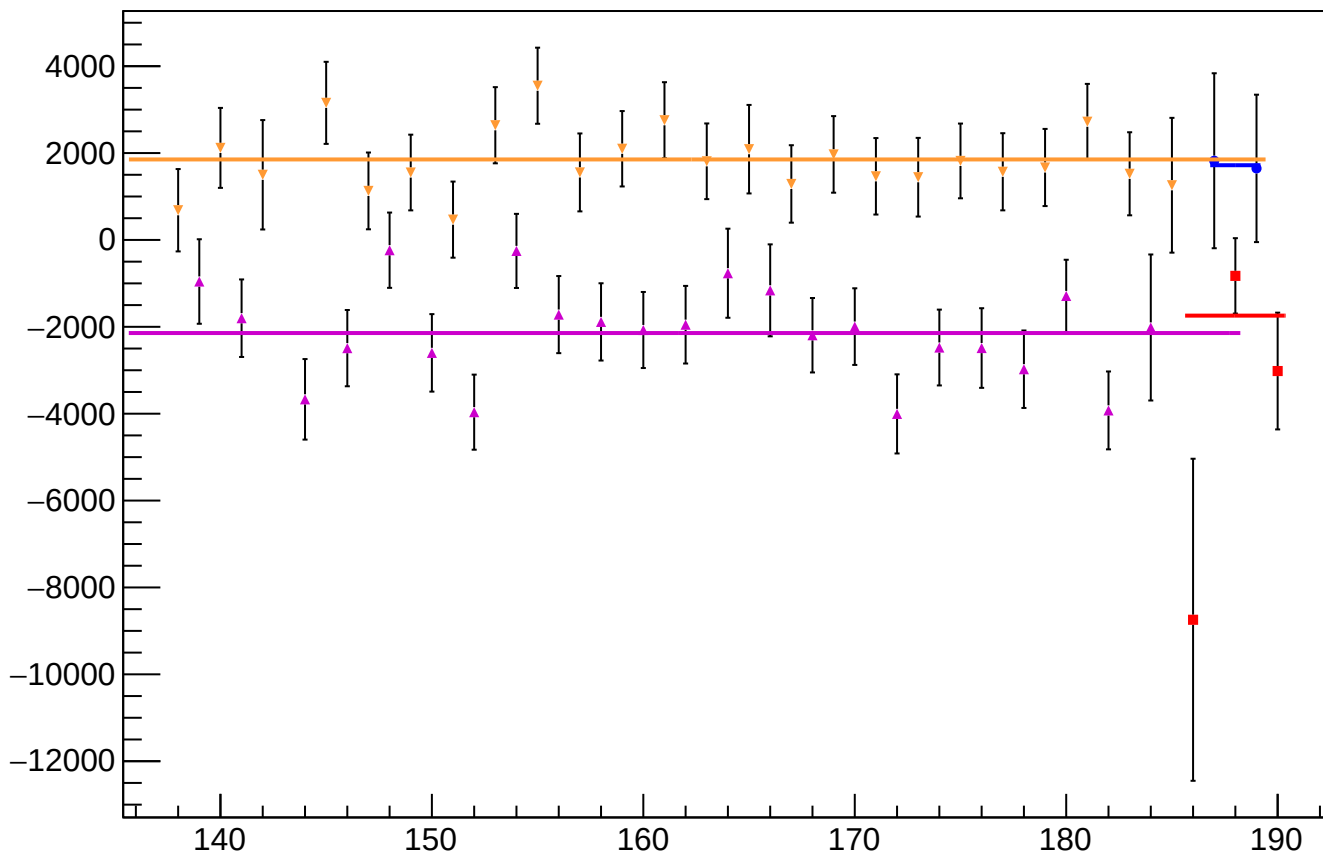
- sign -1206.121 ± 196.430 χ^2/NDF : 40.5/47

asym_right_dd_rms vs Slug



Right In: 1032.762 $\pm$ 0.285	χ^2 /NDF: 3449951.1/22	+ sign 979.494 $\pm$ 0.139	χ^2 /NDF: 3858742.8/47
Left Out: 962.776 $\pm$ 0.160	χ^2 /NDF: 362837.8/24	All: 969.958 $\pm$ 0.098	χ^2 /NDF: 9148402.8/96
Right Out: 974.199 $\pm$ 0.266	χ^2 /NDF: 4833571.6/25	- sign 960.464 $\pm$ 0.139	χ^2 /NDF: 5280294.8/48
Left In: 955.331 $\pm$ 0.163	χ^2 /NDF: 443068.5/22		

cor_asym_us_avg_mean vs Slug



Right In: 1720.097 ± 1297.686 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 1852.926 ± 187.412 $\chi^2/\text{NDF}: 15.0/23$

Right Out: -1742.386 ± 715.276 $\chi^2/\text{NDF}: 5.6/2$

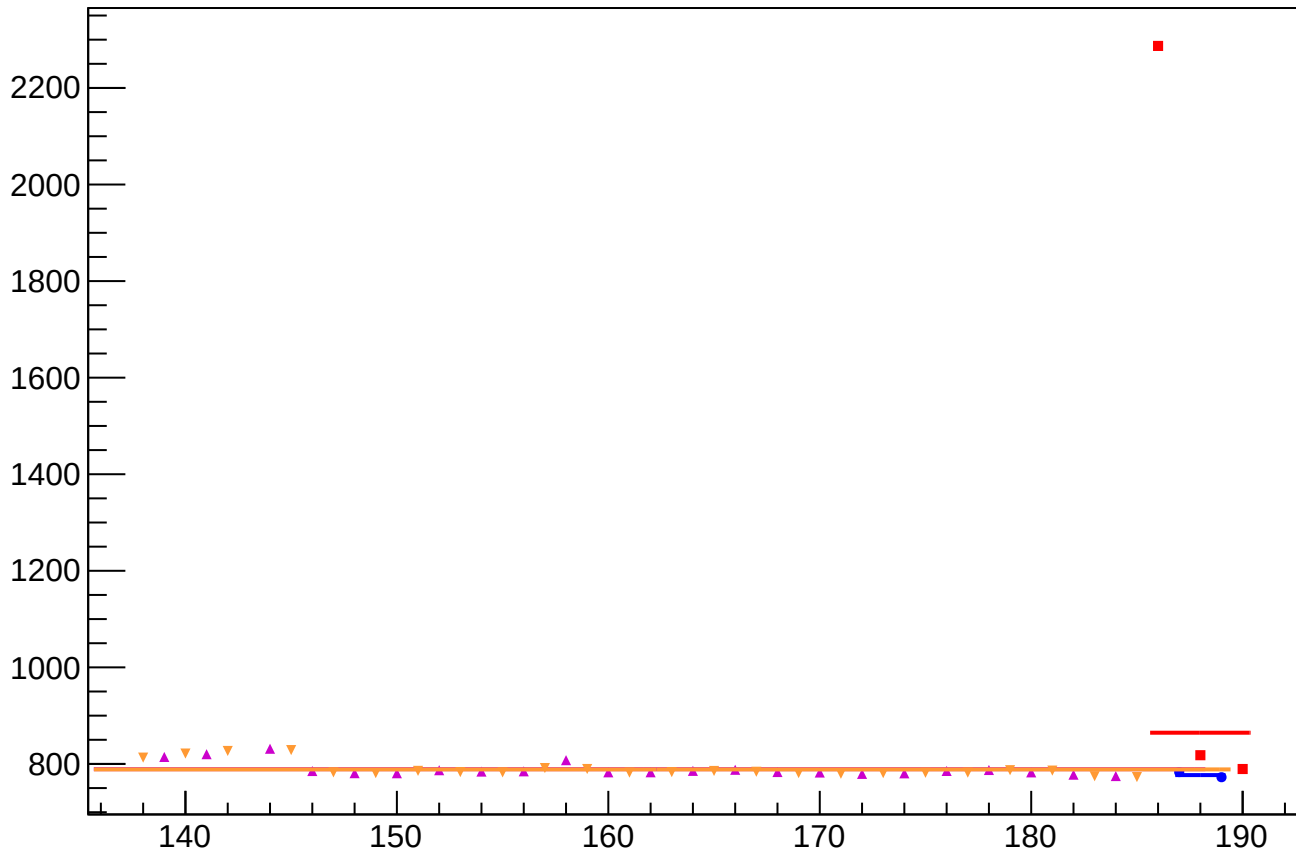
Left In: -2143.254 ± 190.144 $\chi^2/\text{NDF}: 32.4/22$

+ sign 1850.213 ± 185.488 $\chi^2/\text{NDF}: 15.0/25$

All: -151.835 ± 130.545 $\chi^2/\text{NDF}: 284.1/51$

- sign -2116.795 ± 183.762 $\chi^2/\text{NDF}: 38.2/25$

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

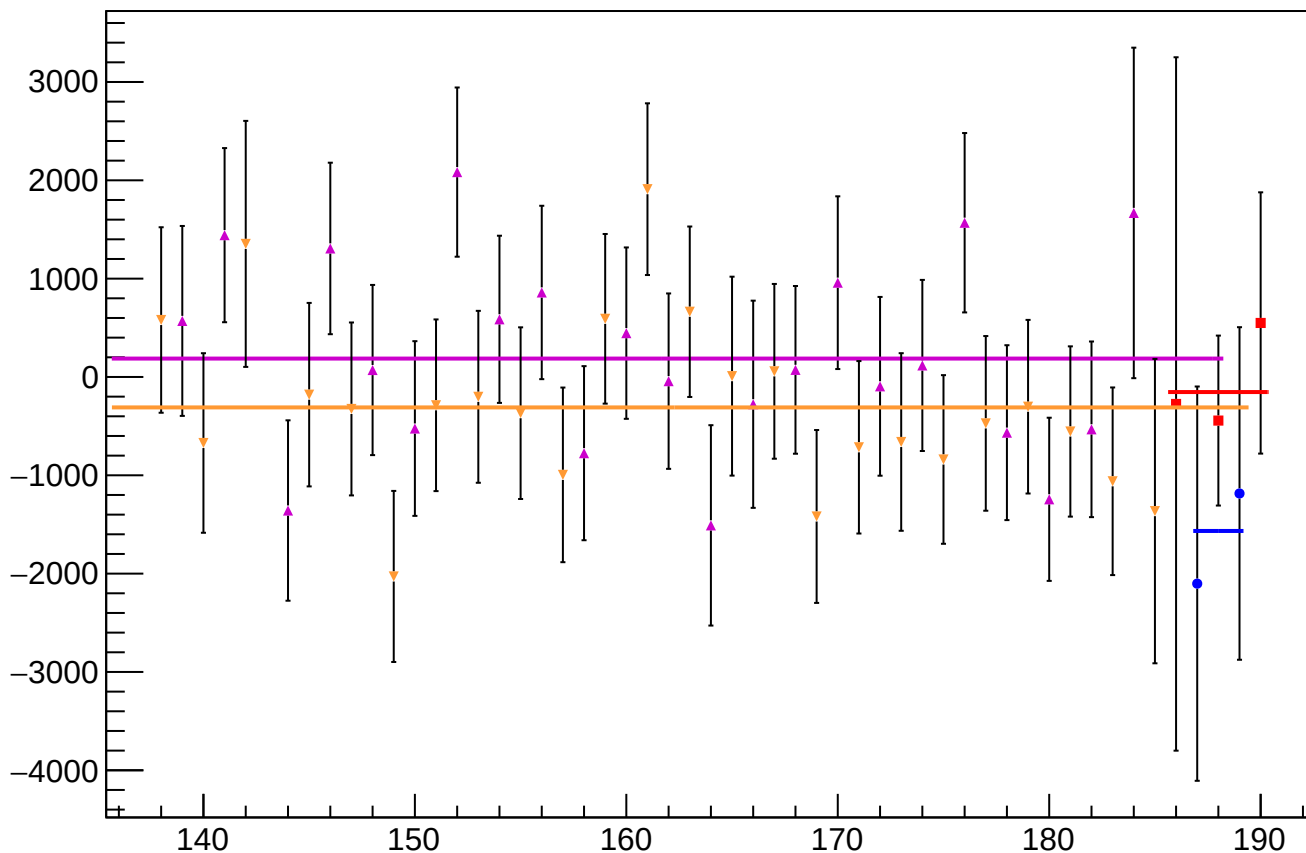
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

+ 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 $\chi^2/\text{NDF}: 0.1/1$

Left Out: -309.656 ± 186.542 $\chi^2/\text{NDF}: 20.0/23$

Right Out: -153.360 ± 709.634 $\chi^2/\text{NDF}: 0.4/2$

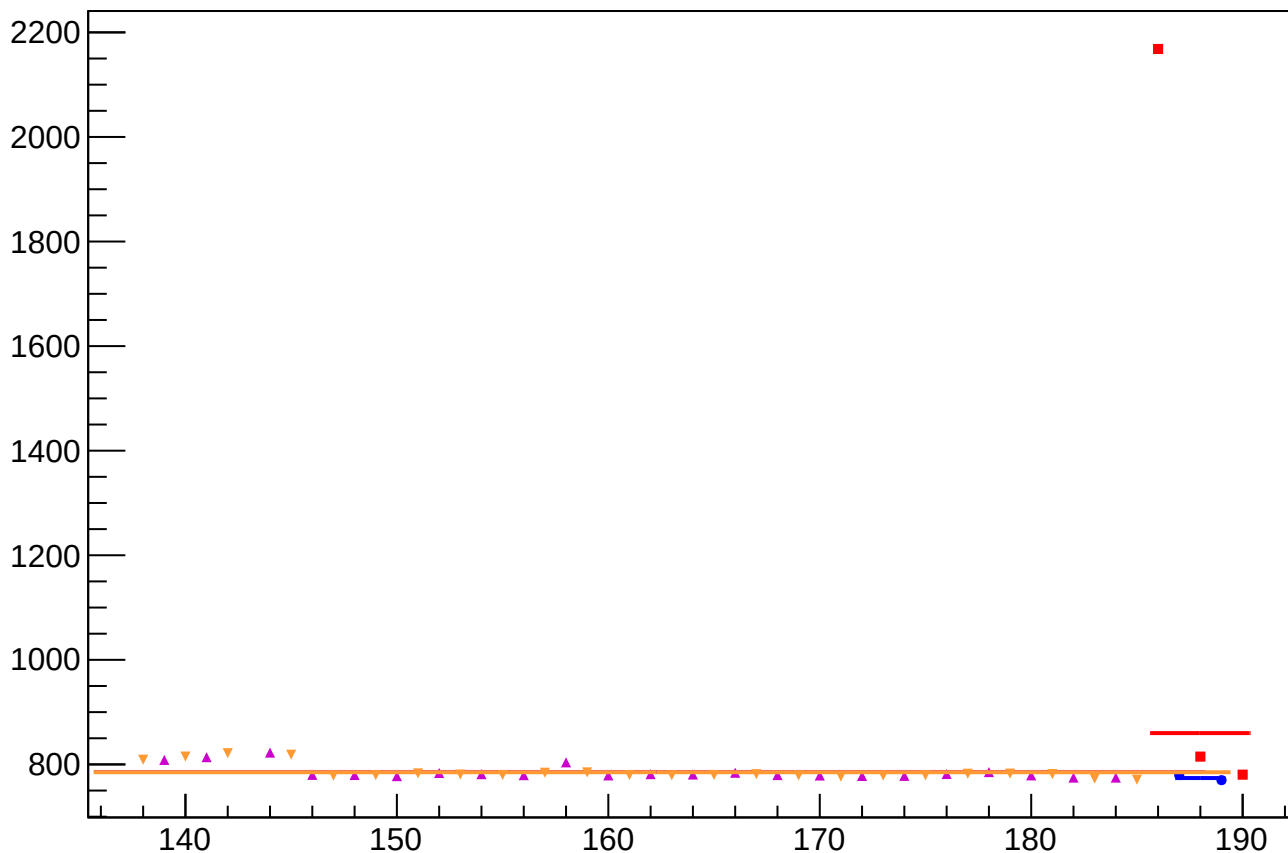
Left In: 187.105 ± 189.265 $\chi^2/\text{NDF}: 25.6/22$

+ sign -335.286 ± 184.630 $\chi^2/\text{NDF}: 21.0/25$

All: -83.007 ± 129.927 $\chi^2/\text{NDF}: 50.9/51$

- sign 164.494 ± 182.873 $\chi^2/\text{NDF}: 26.2/25$

cor_asym_us_dd_rms vs Slug



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

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

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

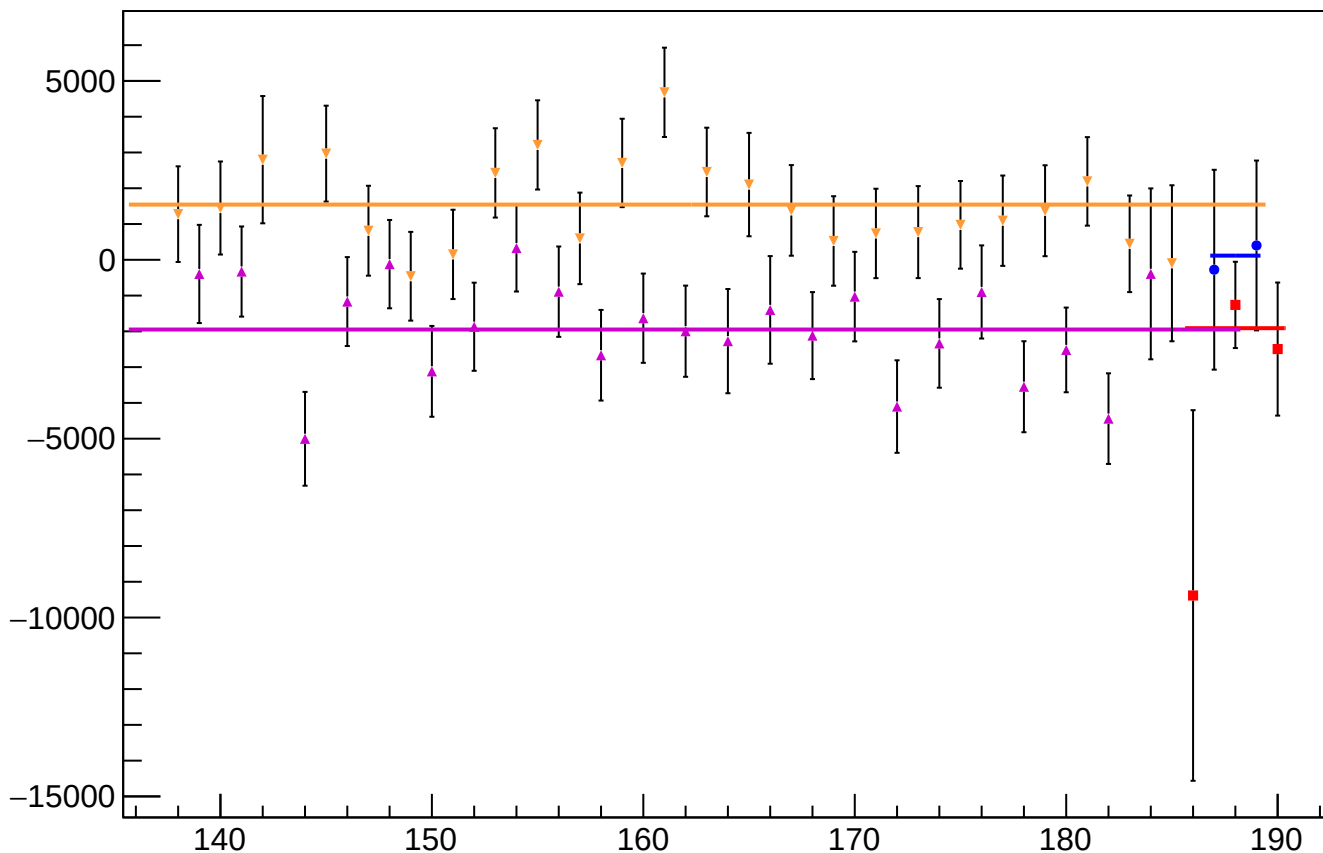
Left In: 785.562 ± 0.134 χ^2/NDF : 9033.0/22

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

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

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

cor_asym_usl_mean vs Slug



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

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

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

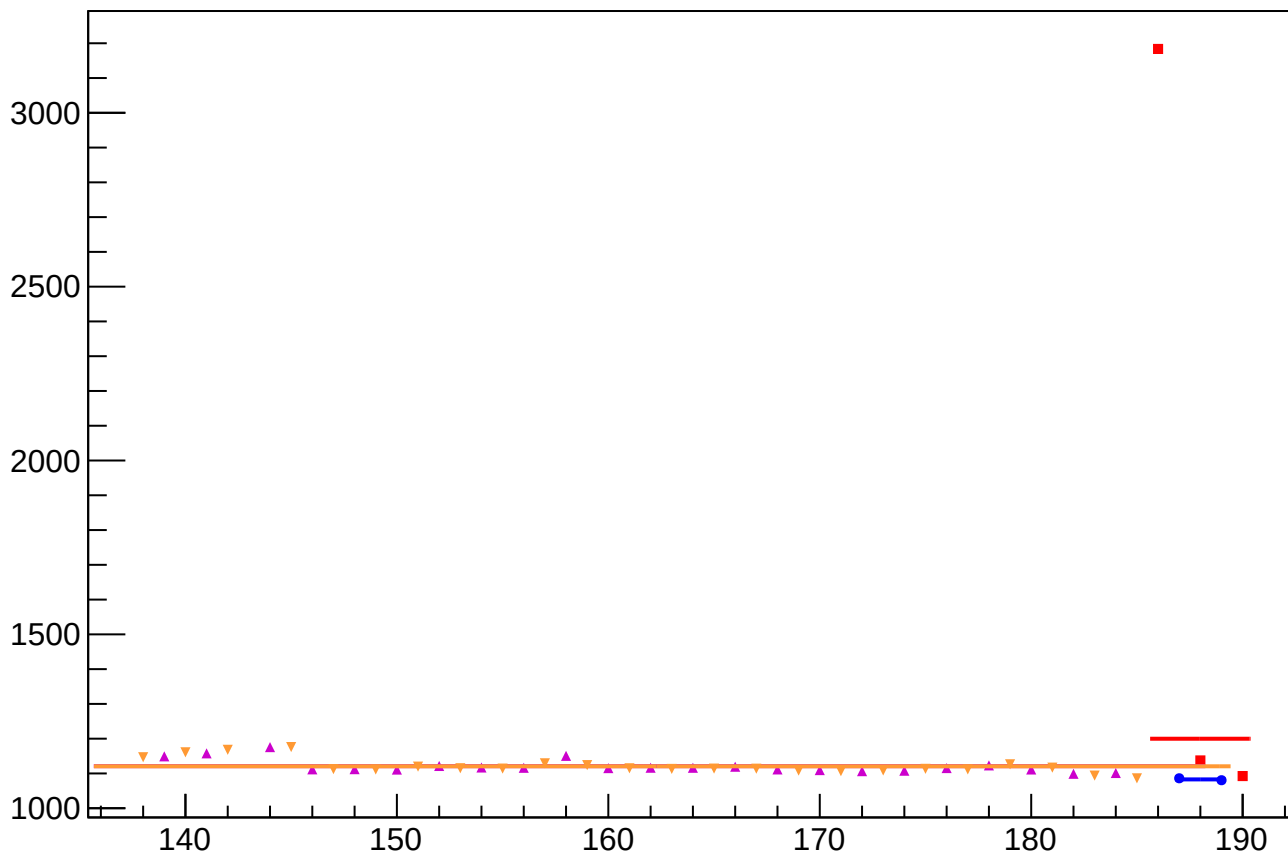
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

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

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

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

cor_asym_usl_rms vs Slug



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

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

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

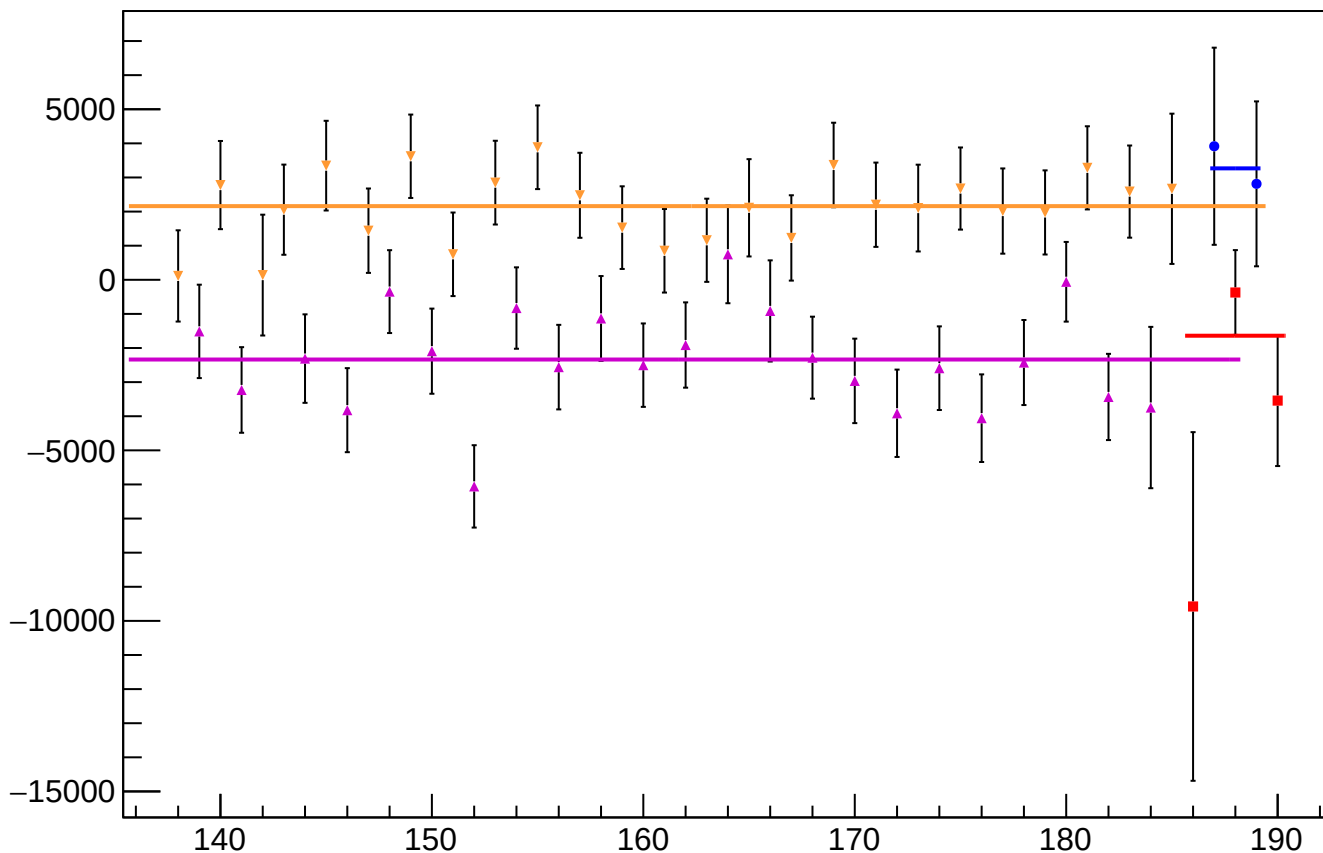
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

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

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

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

cor_asym_usr_mean vs Slug



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

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

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

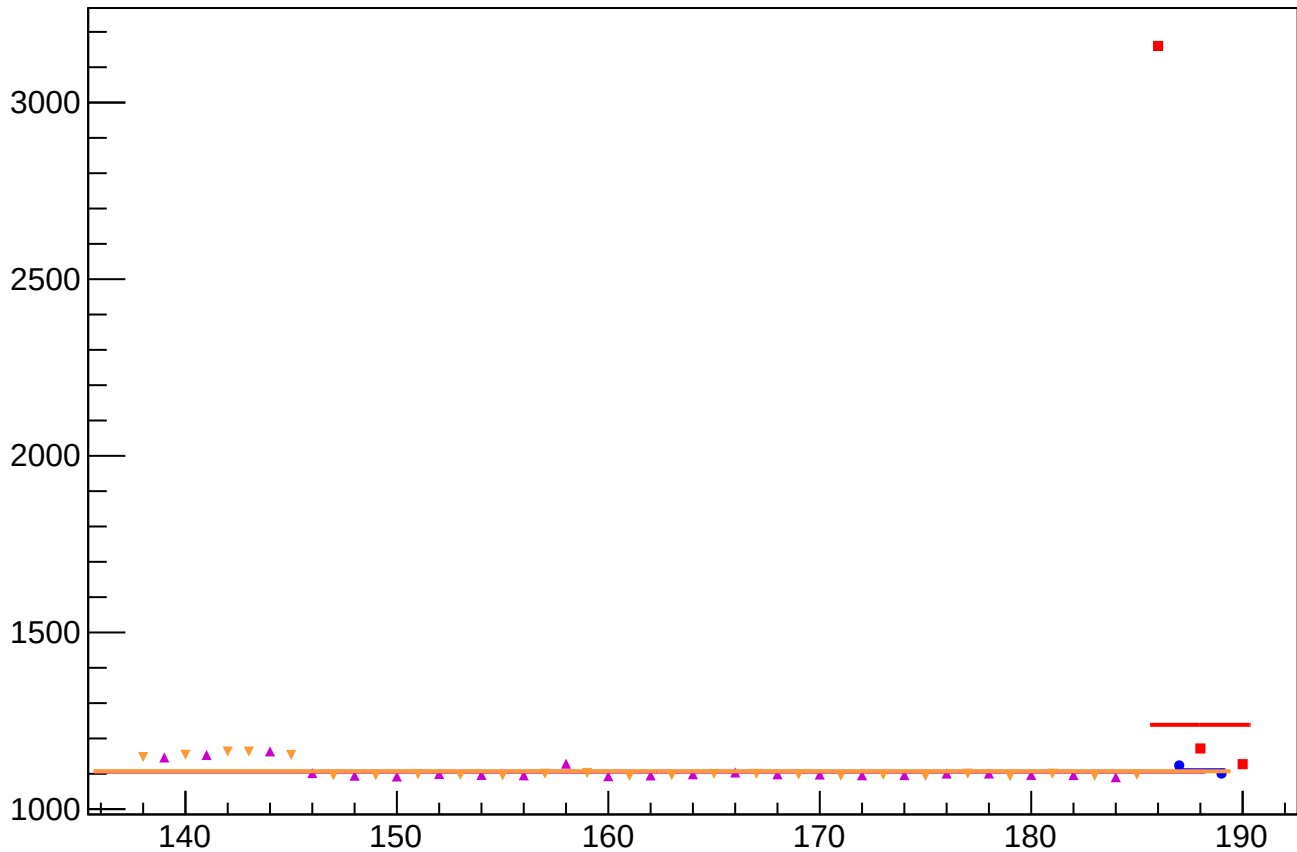
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

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

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

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

cor_asym_usr_rms vs Slug



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

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

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

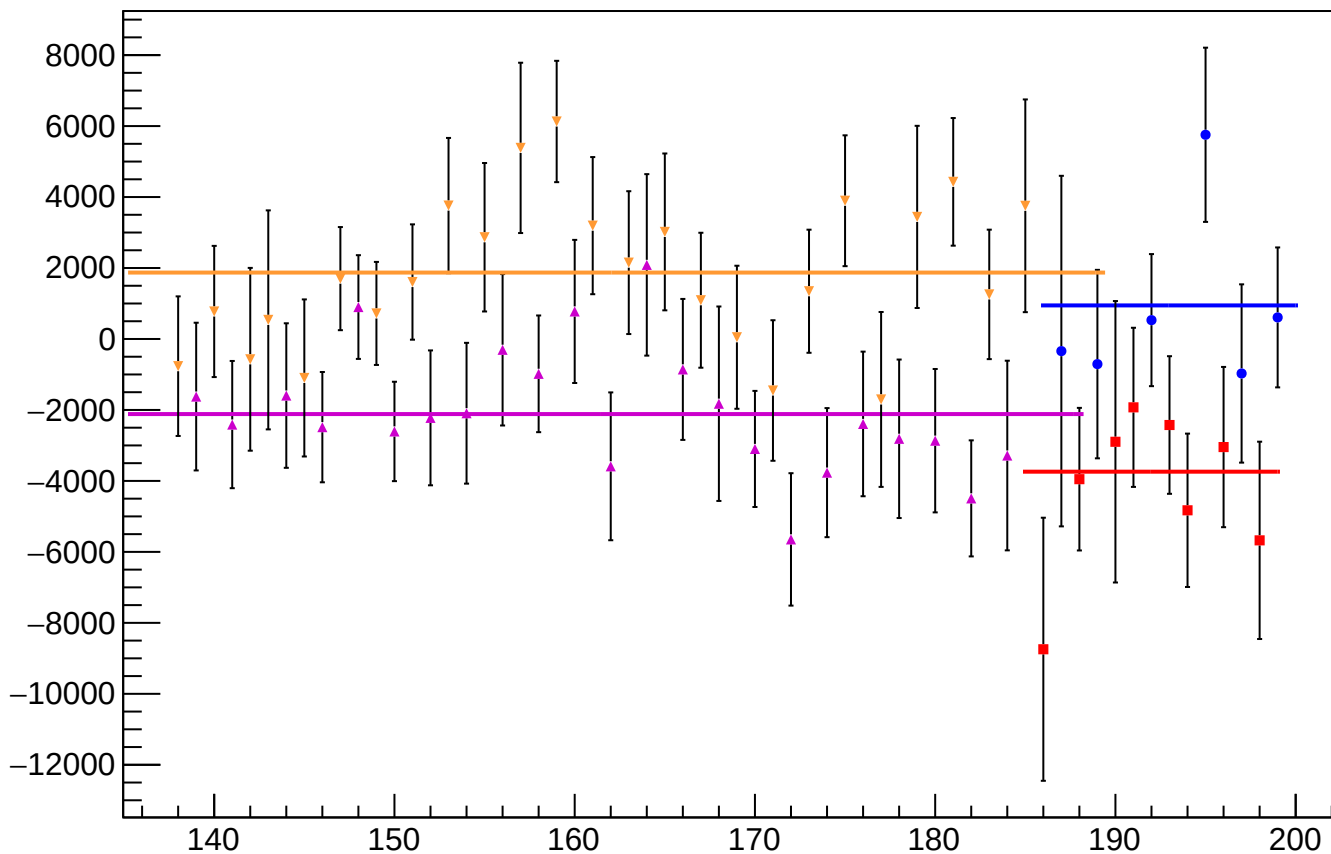
Left In: 1105.955 $\pm$ 0.188 χ^2 /NDF: 11111.3/22

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

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

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

asym_us_agg_avg_mean vs Slug



Right In: 945.965 ± 974.473 $\chi^2/\text{NDF}: 5.0/5$

Left Out: 1871.638 ± 391.684 $\chi^2/\text{NDF}: 26.1/24$

Right Out: -3739.565 ± 848.675 $\chi^2/\text{NDF}: 3.8/7$

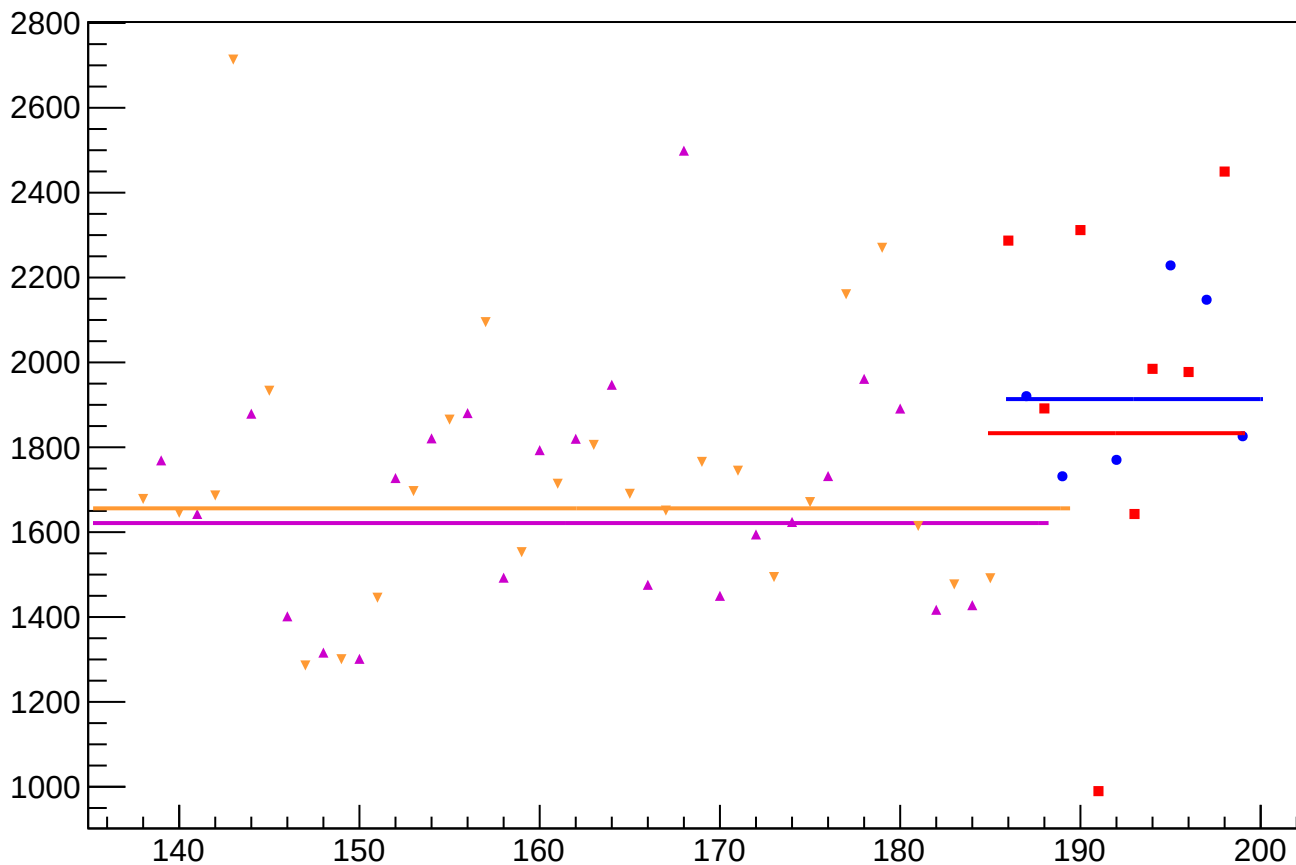
Left In: -2116.114 ± 392.997 $\chi^2/\text{NDF}: 18.8/22$

+ sign 1742.888 ± 363.425 $\chi^2/\text{NDF}: 31.9/30$

All: -369.136 ± 254.539 $\chi^2/\text{NDF}: 123.8/61$

- sign -2402.769 ± 356.617 $\chi^2/\text{NDF}: 25.6/30$

asym_us_agg_avg_rms vs Slug



Right In: 1913.552+/-0.689 χ^2/NDF : 75464.1/5

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

Right Out: 1833.207+/-0.600 χ^2/NDF : 479386.0/7

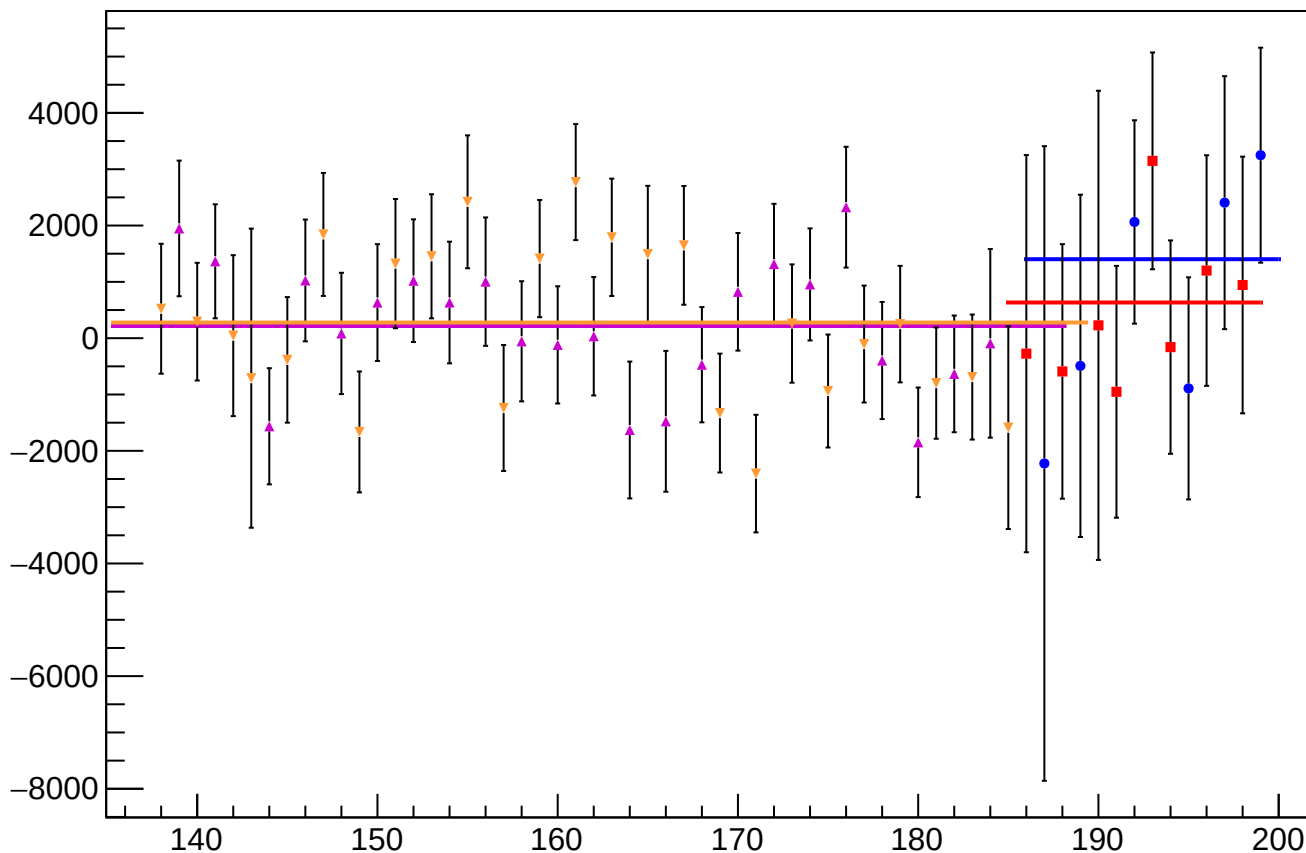
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1691.925+/-0.257 χ^2/NDF : 1106201.9/30

All: 1675.056+/-0.180 χ^2/NDF : 2471917.6/63

- sign 1658.813+/-0.252 χ^2/NDF : 1357257.5/30

asym_us_agg_dd_mean vs Slug



Right In: 1402.231 $\pm$ 921.933 χ^2 /NDF: 3.4/5

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

Right Out: 633.701 $\pm$ 812.709 χ^2 /NDF: 2.8/7

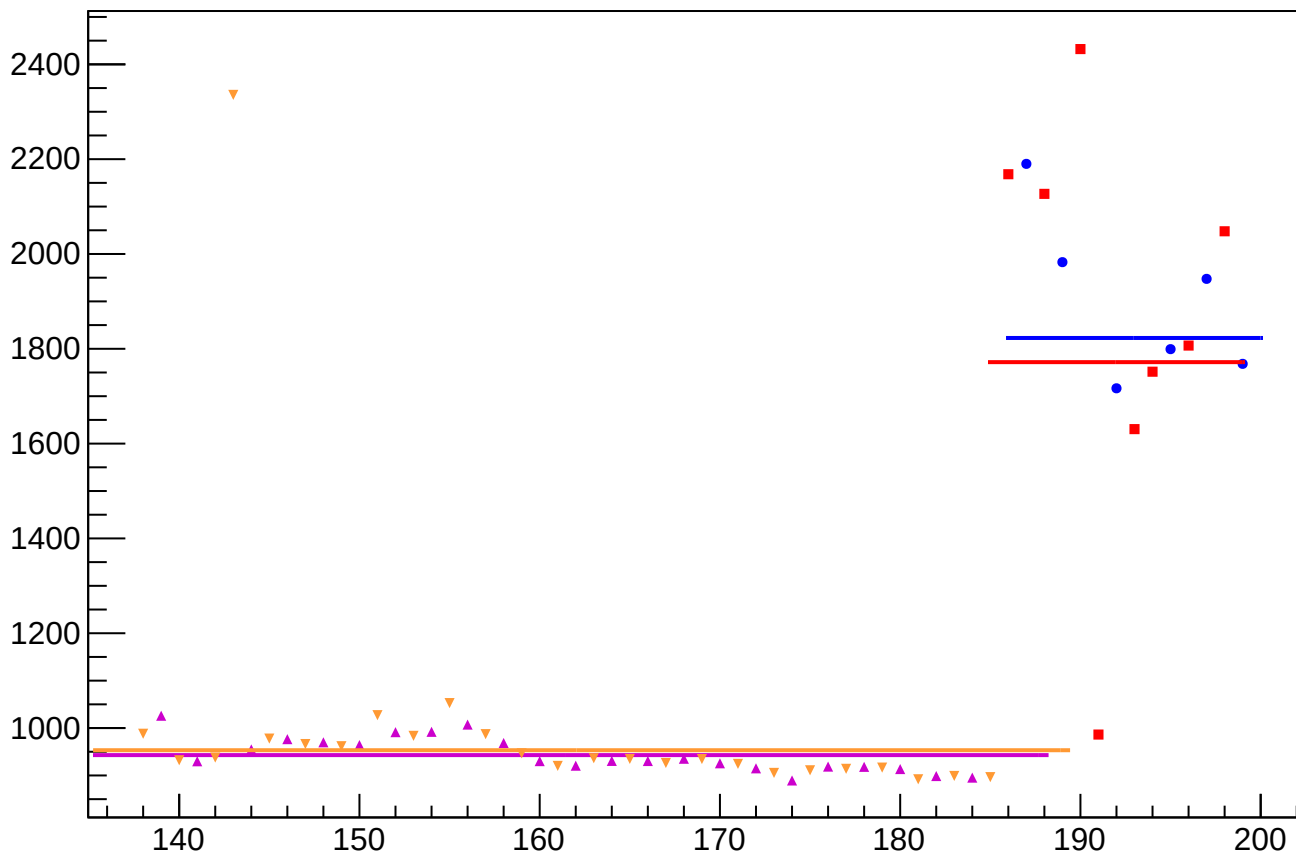
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 340.532 $\pm$ 217.283 χ^2 /NDF: 43.2/30

All: 293.285 $\pm$ 153.677 χ^2 /NDF: 70.8/61

- sign 245.996 $\pm$ 217.380 χ^2 /NDF: 27.5/30

asym_us_agg_dd_rms vs Slug



Right In: 1822.841+/-0.652 χ^2/NDF : 29041.2/5

Left Out: 953.221+/-0.158 χ^2/NDF : 606273.1/24

Right Out: 1771.849+/-0.575 χ^2/NDF : 412884.1/7

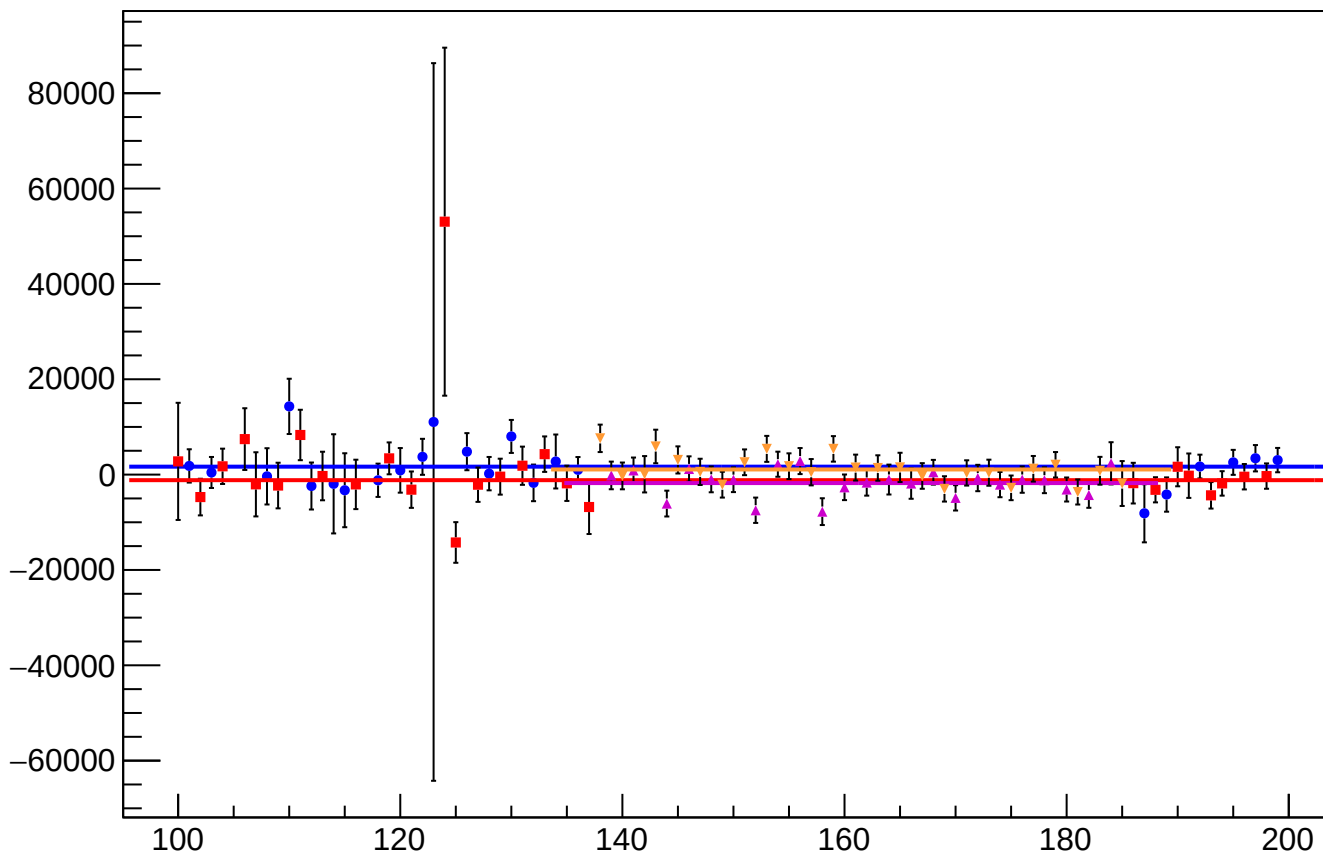
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1001.525+/-0.154 χ^2/NDF : 2315943.6/30

All: 1001.877+/-0.109 χ^2/NDF : 4708980.3/63

- sign 1002.231+/-0.154 χ^2/NDF : 2393026.1/30

reg_asym_atl1_mean vs Slug



Right In: 1666.494+/-775.139 χ^2/NDF : 18.3/22

Left Out: 1078.054+/-564.005 χ^2/NDF : 23.6/24

Right Out: -1167.821+/-741.946 χ^2/NDF : 27.0/26

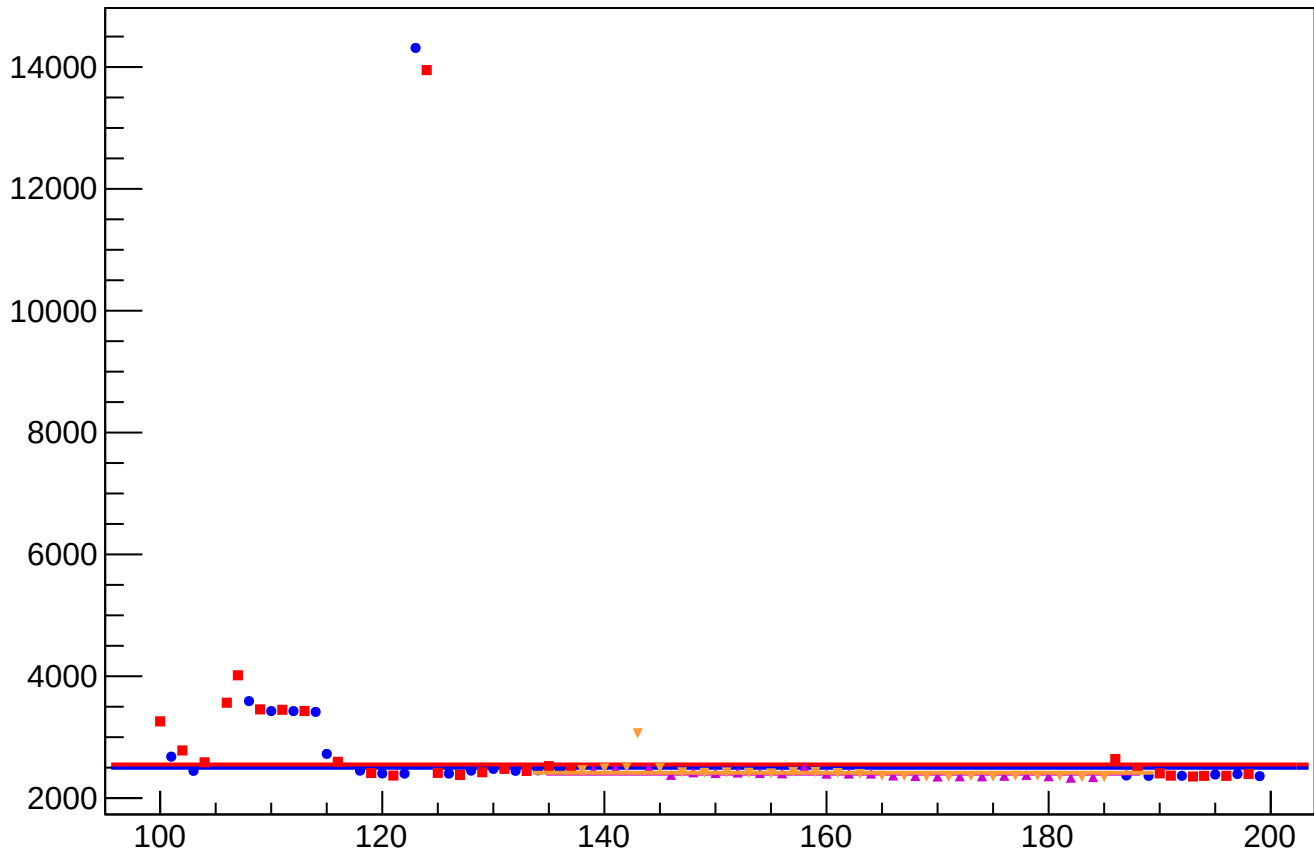
Left In: -1777.100+/-575.895 χ^2/NDF : 24.1/22

+ sign 1281.749+/-456.056 χ^2/NDF : 42.3/47

All: -136.632+/-322.083 χ^2/NDF : 113.0/97

- sign -1548.031+/-454.933 χ^2/NDF : 51.4/49

reg_asym_atl1_rms vs Slug



Right In: 2498.135+/-0.548 χ^2/NDF : 290261.0/22

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

Right Out: 2551.827+/-0.525 χ^2/NDF : 606152.8/26

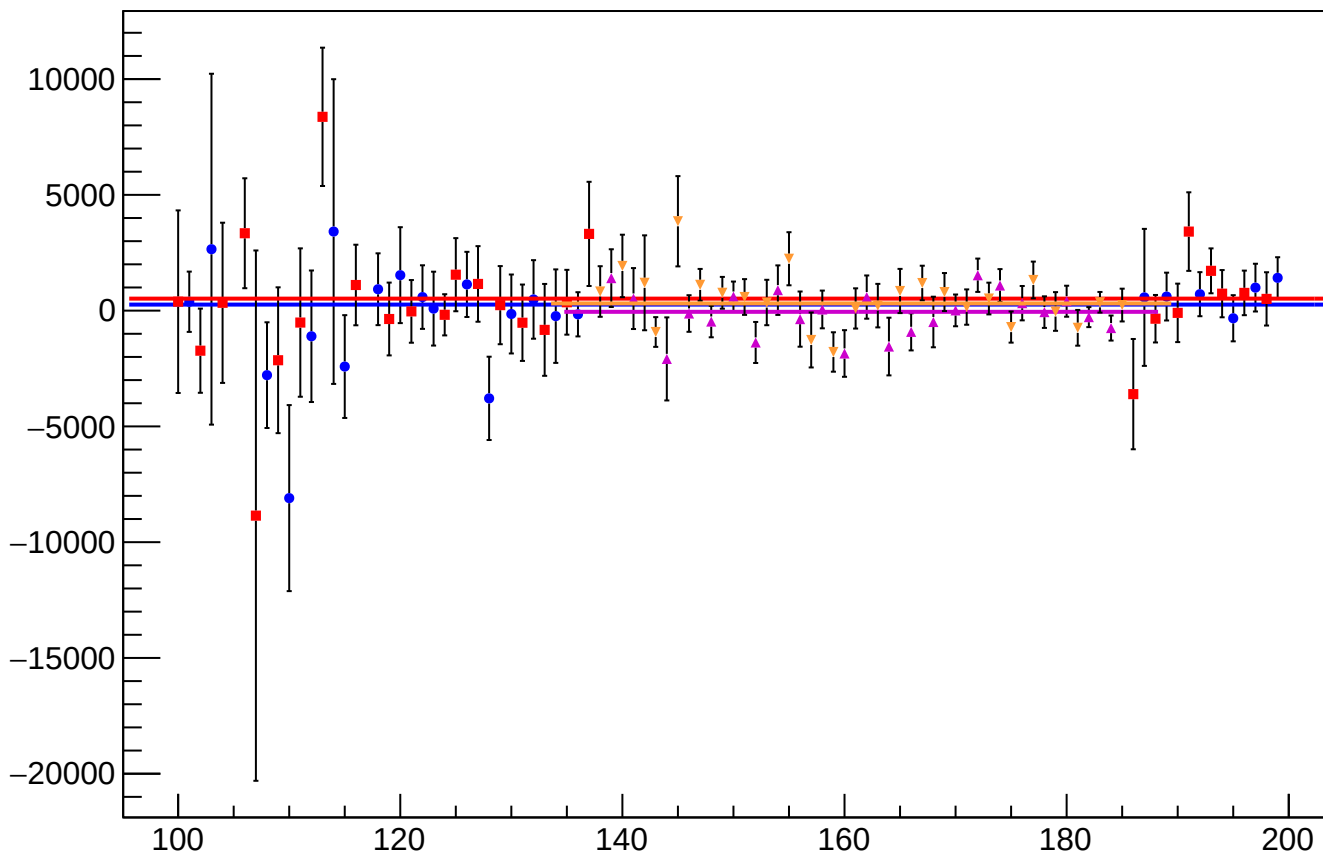
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2444.445+/-0.322 χ^2/NDF : 387572.6/47

All: 2451.223+/-0.228 χ^2/NDF : 1059642.7/97

- sign 2457.969+/-0.322 χ^2/NDF : 671188.6/49

asym_atl1_correction_mean vs Slug



Right In: 260.988 ± 301.565 $\chi^2/\text{NDF}: 17.4/22$

Left Out: 310.873 ± 160.650 $\chi^2/\text{NDF}: 29.7/24$

Right Out: 518.485 ± 289.771 $\chi^2/\text{NDF}: 24.1/26$

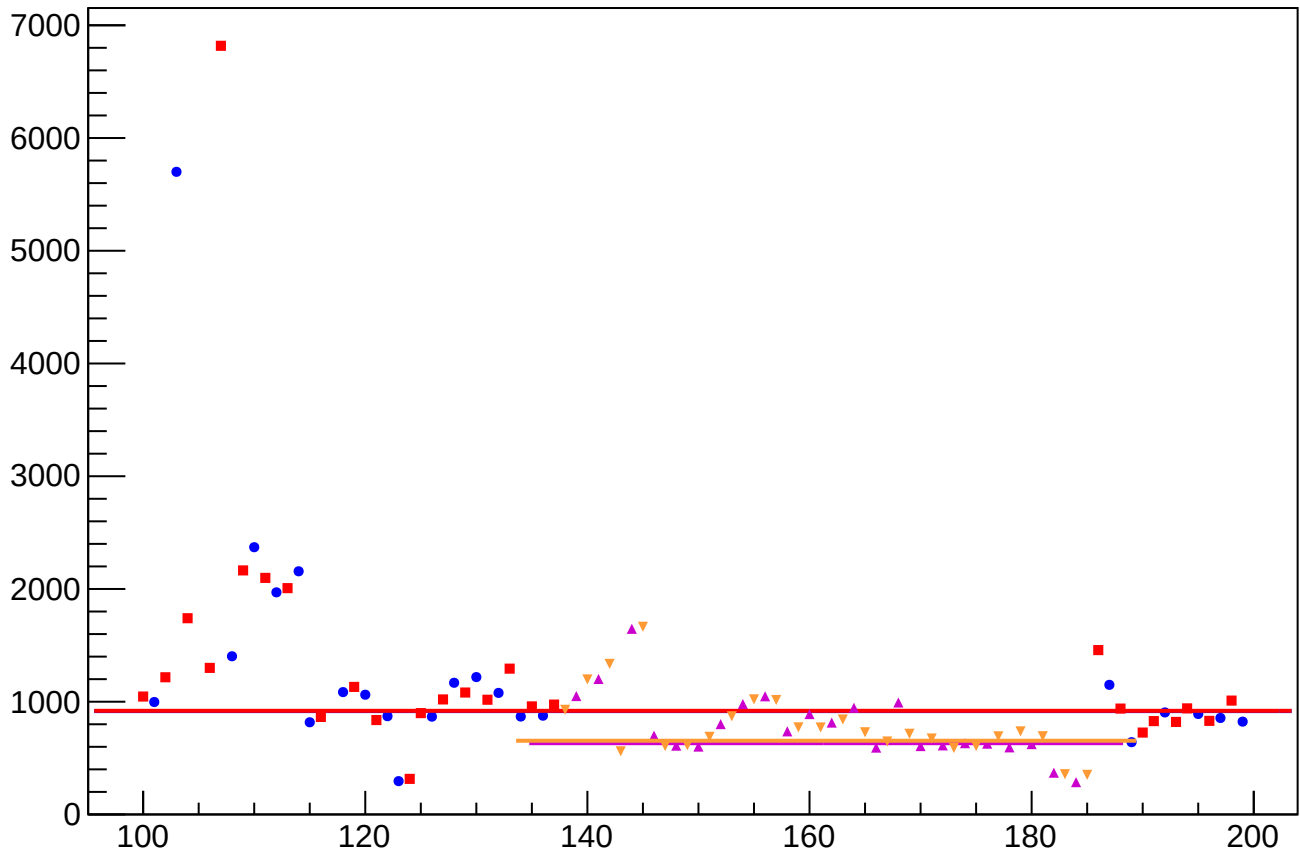
Left In: -51.454 ± 161.744 $\chi^2/\text{NDF}: 23.8/22$

+ sign 299.845 ± 141.786 $\chi^2/\text{NDF}: 47.2/47$

All: 191.468 ± 100.062 $\chi^2/\text{NDF}: 99.2/97$

- sign 83.936 ± 141.232 $\chi^2/\text{NDF}: 50.9/49$

asym_atl1_correction_rms vs Slug



Right In: 916.748 ± 0.213 χ^2/NDF : 2158900.3/22

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

Right Out: 919.278 ± 0.205 χ^2/NDF : 2880692.9/26

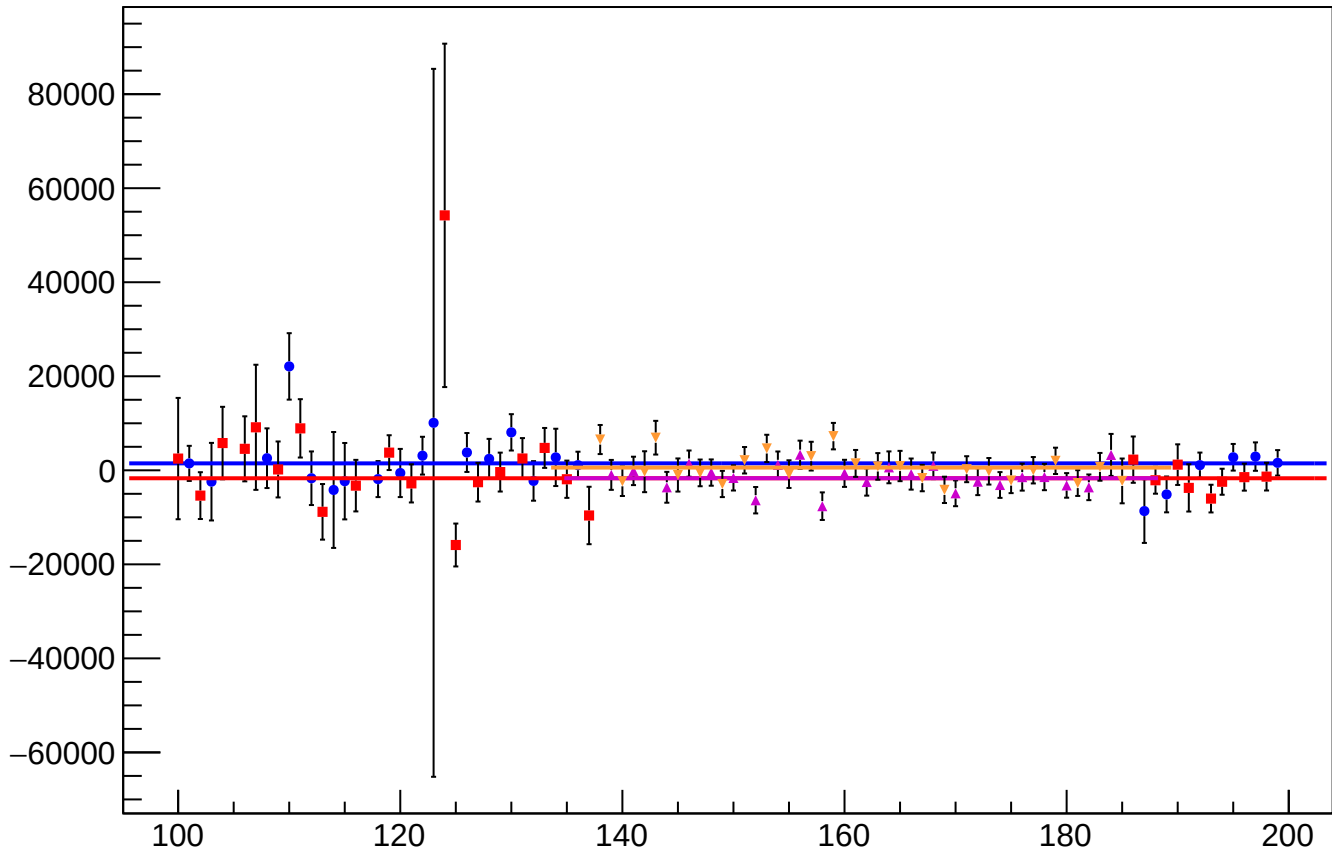
Left In: 632.053 ± 0.114 χ^2/NDF : 3942853.4/22

+ sign 711.929 ± 0.100 χ^2/NDF : 6598012.8/47

All: 706.083 ± 0.071 χ^2/NDF : 14926546.4/97

- sign 700.283 ± 0.100 χ^2/NDF : 8321761.3/49

asym_atl1_mean vs Slug



Right In: 1476.149 $\pm$ 863.972 χ^2 /NDF: 20.4/22

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

Right Out: -1693.008 $\pm$ 832.085 χ^2 /NDF: 30.5/26

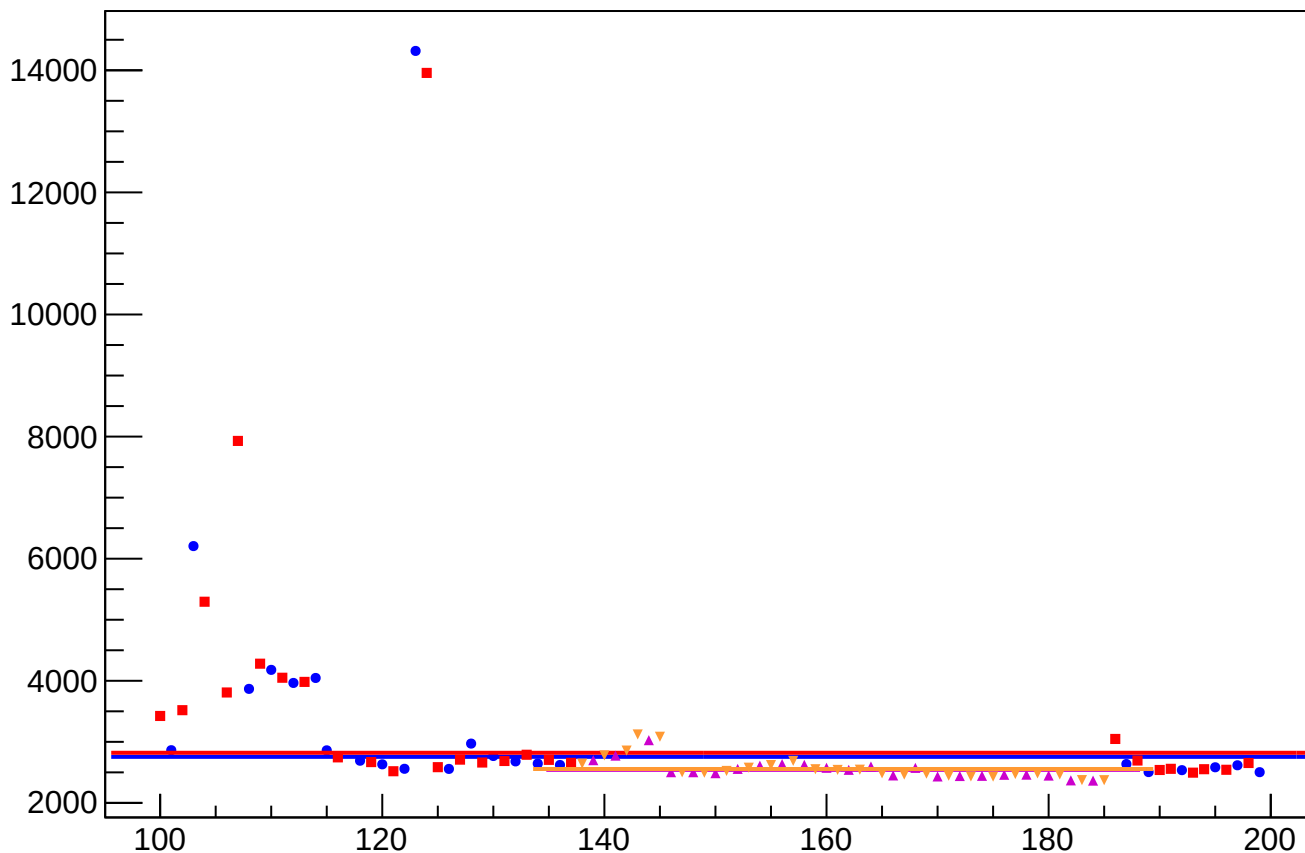
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 870.316 $\pm$ 491.247 χ^2 /NDF: 46.5/47

All: -404.967 $\pm$ 347.637 χ^2 /NDF: 108.7/97

- sign -1684.270 $\pm$ 492.020 χ^2 /NDF: 48.7/49

asym_atl1_rms vs Slug



Right In: 2754.333+/-0.611 χ^2 /NDF: 727395.0/22

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

Right Out: 2820.965+/-0.588 χ^2 /NDF: 1168004.5/26

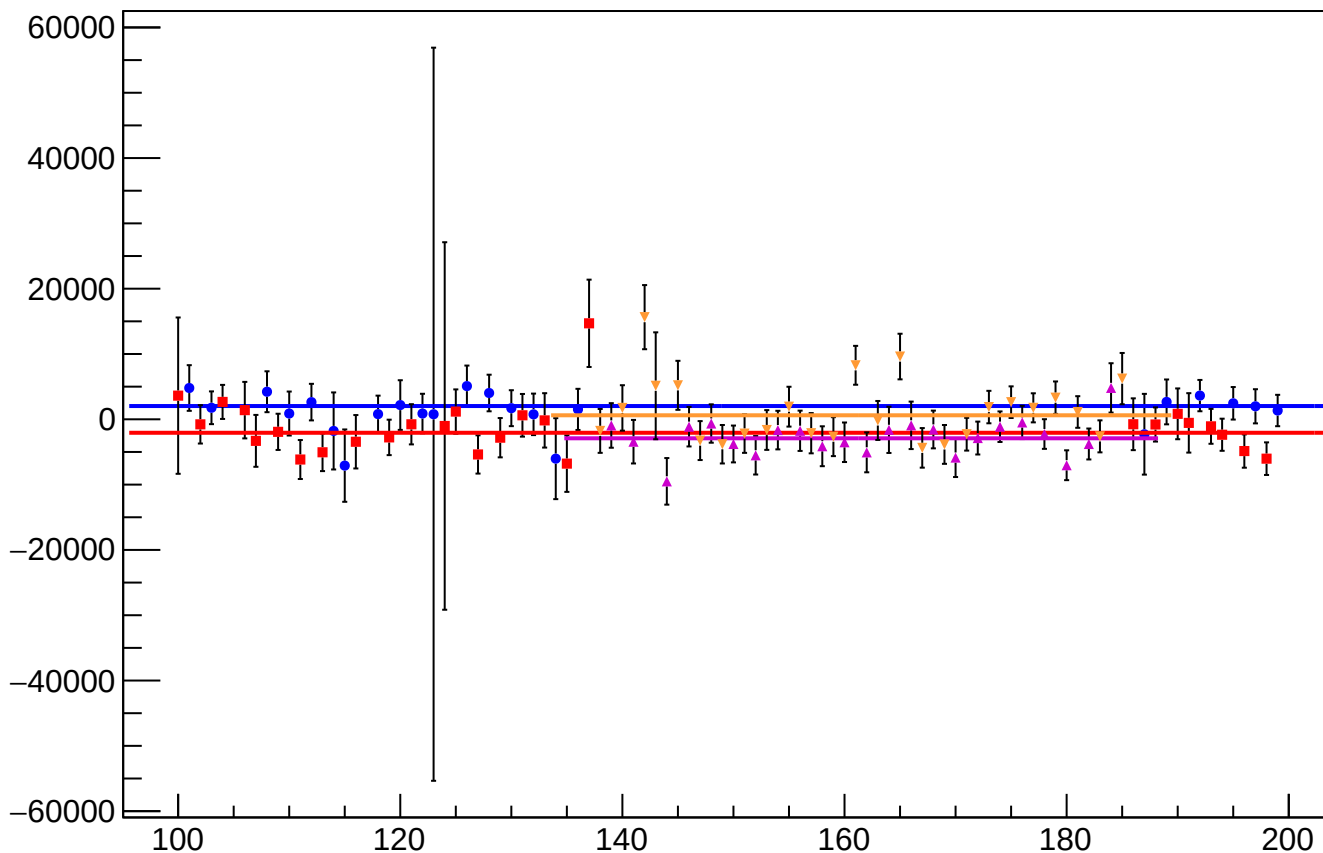
Left In: 2540.988+/-0.431 χ^2 /NDF: 94756.7/22

+ sign 2619.632+/-0.347 χ^2 /NDF: 953979.2/47

All: 2629.242+/-0.246 χ^2 /NDF: 2365534.4/97

- sign 2638.881+/-0.348 χ^2 /NDF: 1410022.3/49

reg_asym_atl2_mean vs Slug



Right In: 2031.149 ± 662.776 χ^2/NDF : 9.2/22

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

Right Out: -2062.707 ± 627.803 χ^2/NDF : 23.3/26

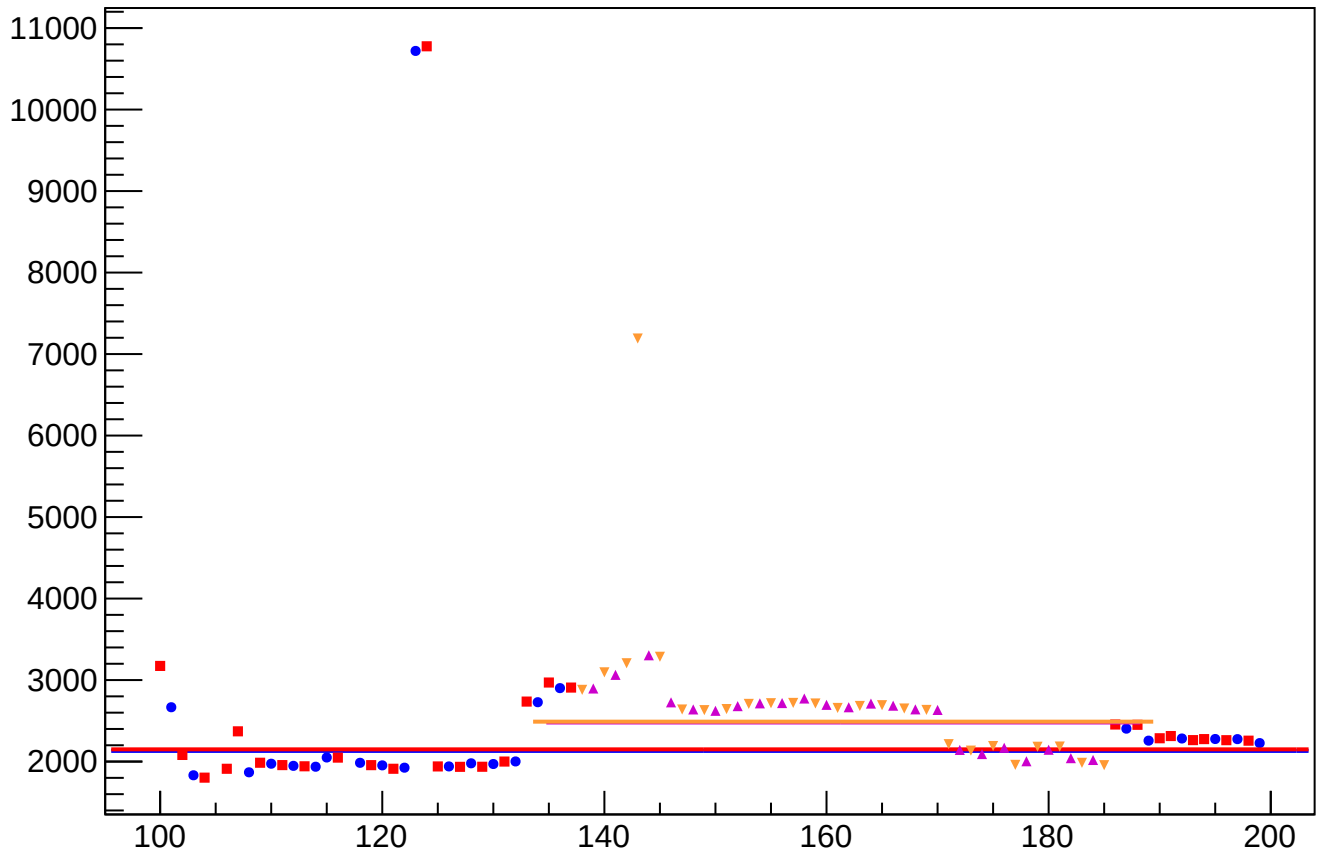
Left In: -2909.108 ± 599.673 χ^2/NDF : 17.4/22

+ sign 1242.368 ± 441.163 χ^2/NDF : 56.9/47

All: -663.705 ± 309.254 χ^2/NDF : 135.2/97

- sign -2505.294 ± 433.637 χ^2/NDF : 41.6/49

reg_asym_atl2_rms vs Slug



Right In: 2130.691+/-0.469 χ^2/NDF : 363270.4/22

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

Right Out: 2149.800+/-0.444 χ^2/NDF : 530274.4/26

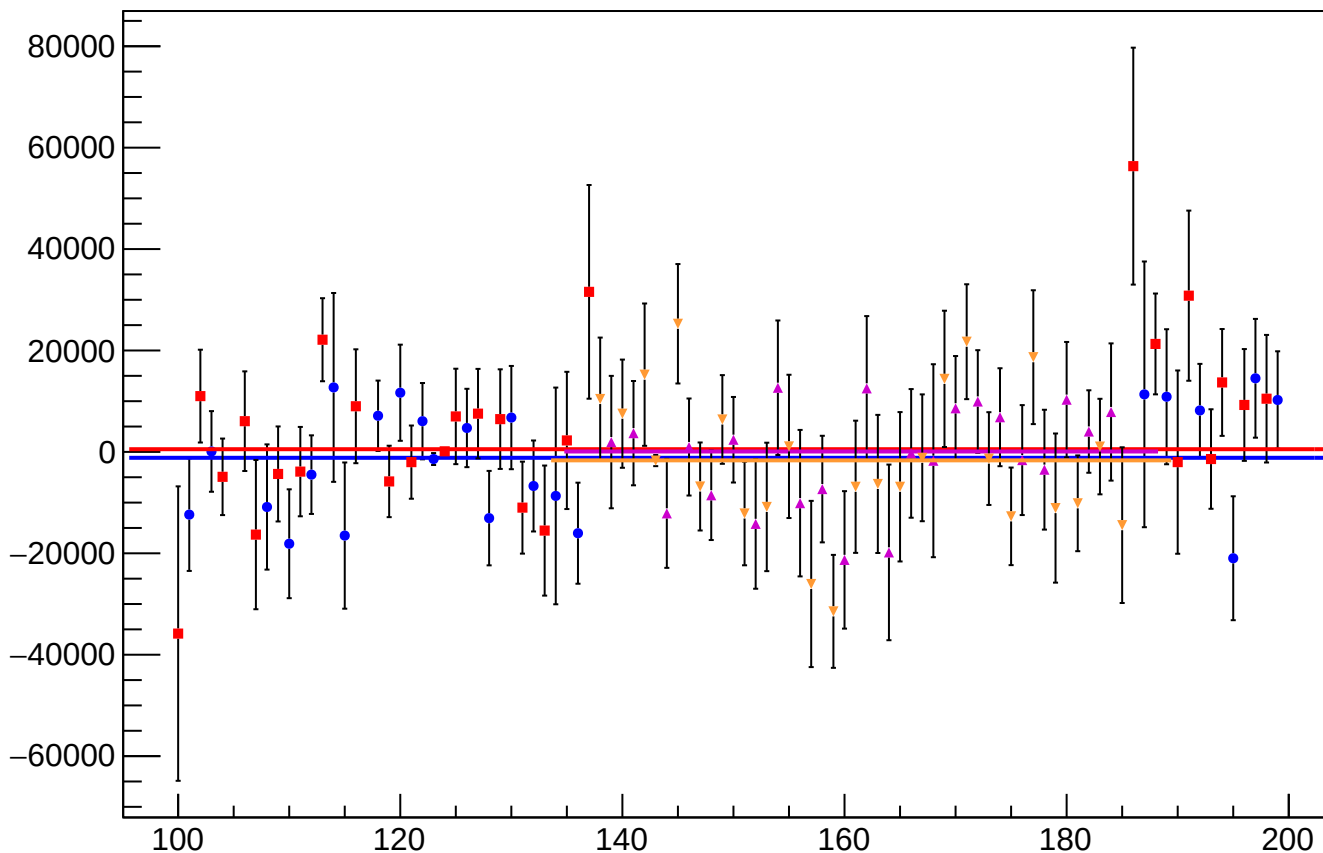
Left In: 2479.348+/-0.424 χ^2/NDF :668398.2/22

+ sign 2330.568+/-0.312 χ^2/NDF : 2054072.1/47

All: 2326.272+/-0.219 χ^2/NDF : 3541285.9/97

- sign 2322.122+/-0.307 χ^2/NDF : 1486840.9/49

asym_atl2_correction_mean vs Slug



Right In: -1163.959 $\pm$ 1029.878 χ^2 /NDF: 23.7/22

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

Right Out: 531.876 $\pm$ 686.678 χ^2 /NDF: 37.4/26

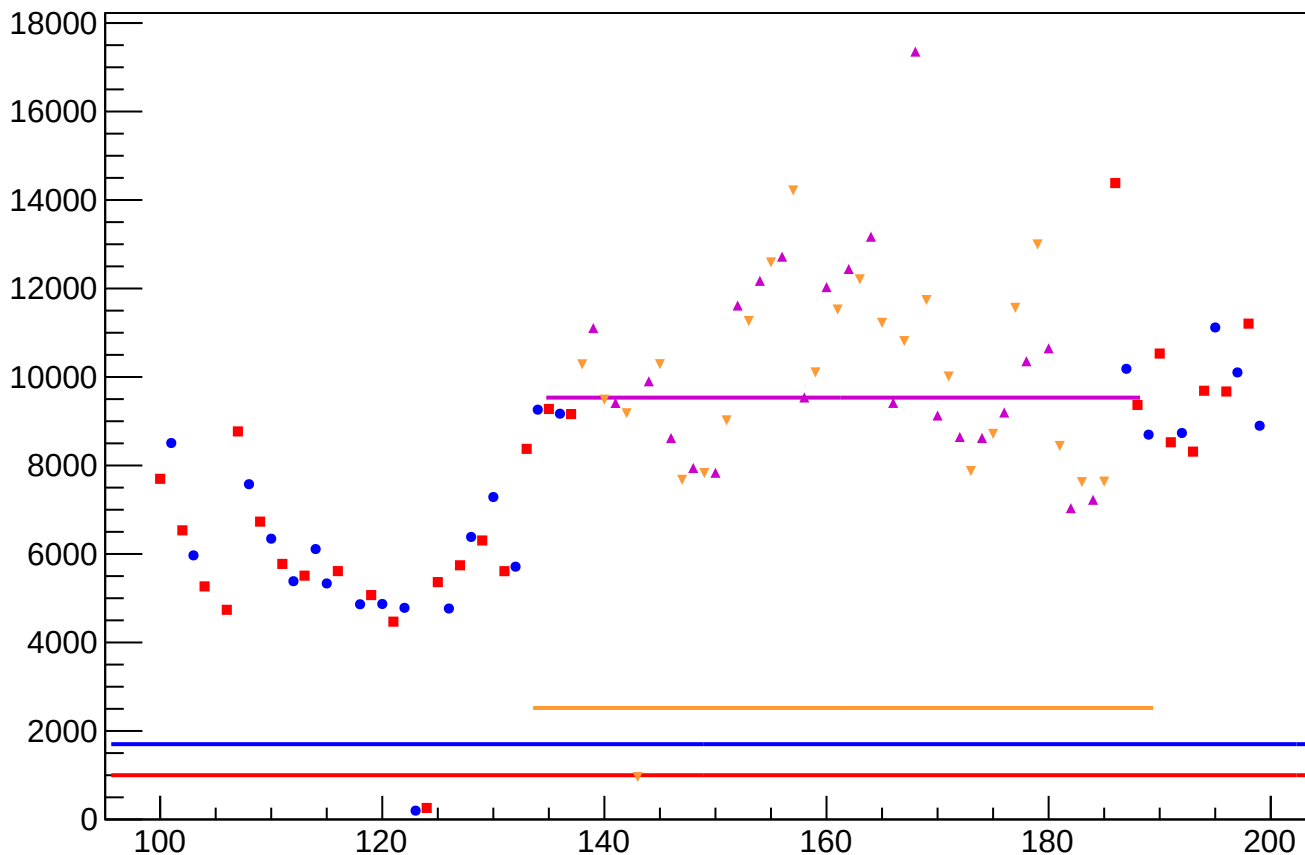
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1423.812 $\pm$ 714.861 χ^2 /NDF: 56.2/47

All: -385.637 $\pm$ 484.412 χ^2 /NDF: 111.3/97

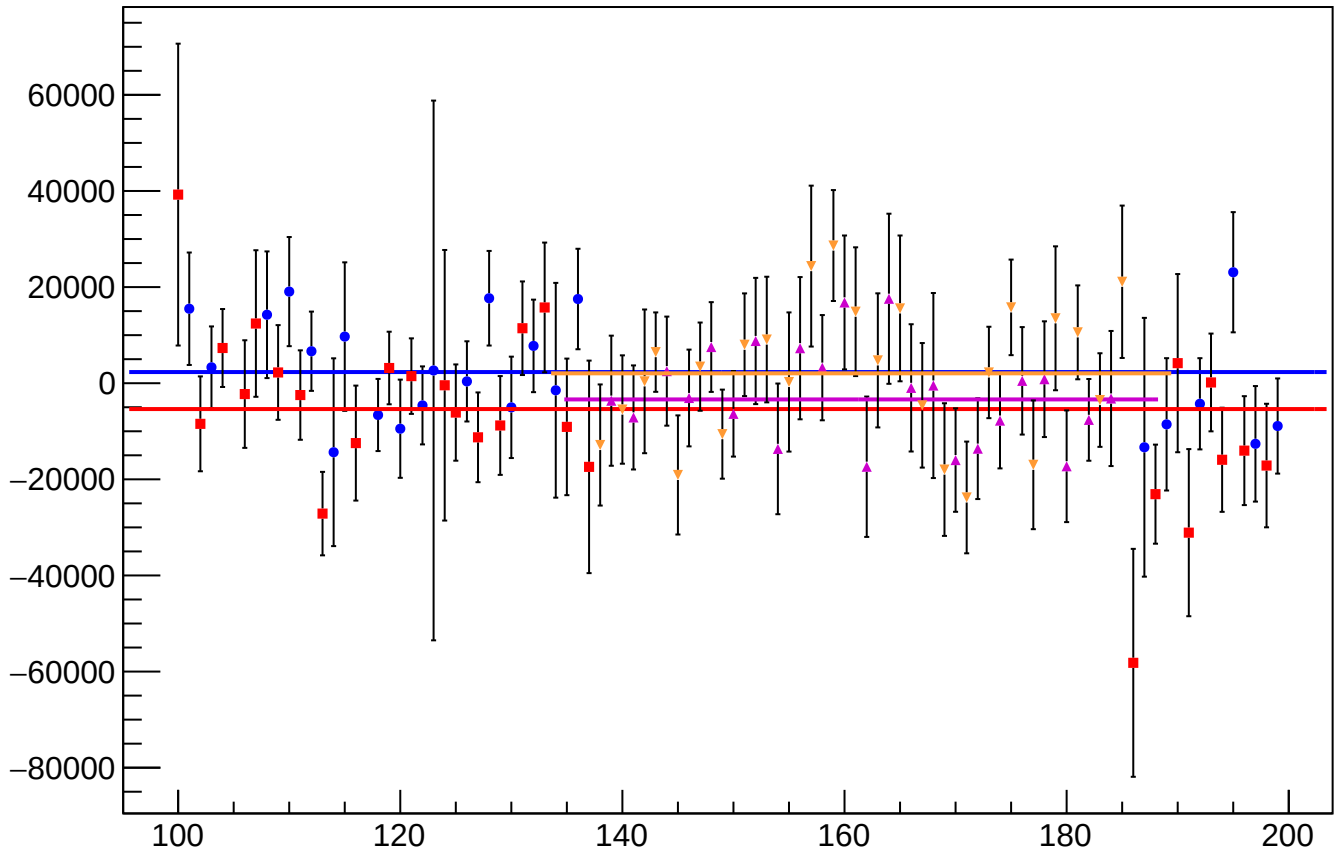
- sign 495.830 $\pm$ 658.703 χ^2 /NDF: 51.2/49

asym_atl2_correction_rms vs Slug



Right In: 1701.572+/-0.728	χ^2/NDF : 15556632.4/22	+ sign 2125.345+/-0.505	χ^2/NDF : 39852228.4/47
Left Out: 2519.359+/-0.702	χ^2/NDF : 23642118.3/24	All: 1885.031+/-0.343	χ^2/NDF : 85904338.2/5
Right Out: 999.854+/-0.486	χ^2/NDF : 19662990.0/26	- sign 1680.992+/-0.466	χ^2/NDF : 45634191.3/49
Left In: 9533.563+/-1.649	χ^2/NDF : 1316640.0/22		

asym_atl2_mean vs Slug



Right In: 2322.976+/-2259.372 χ^2/NDF : 21.5/22

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

Right Out: -5377.061+/-2135.839 χ^2/NDF : 34.7/26

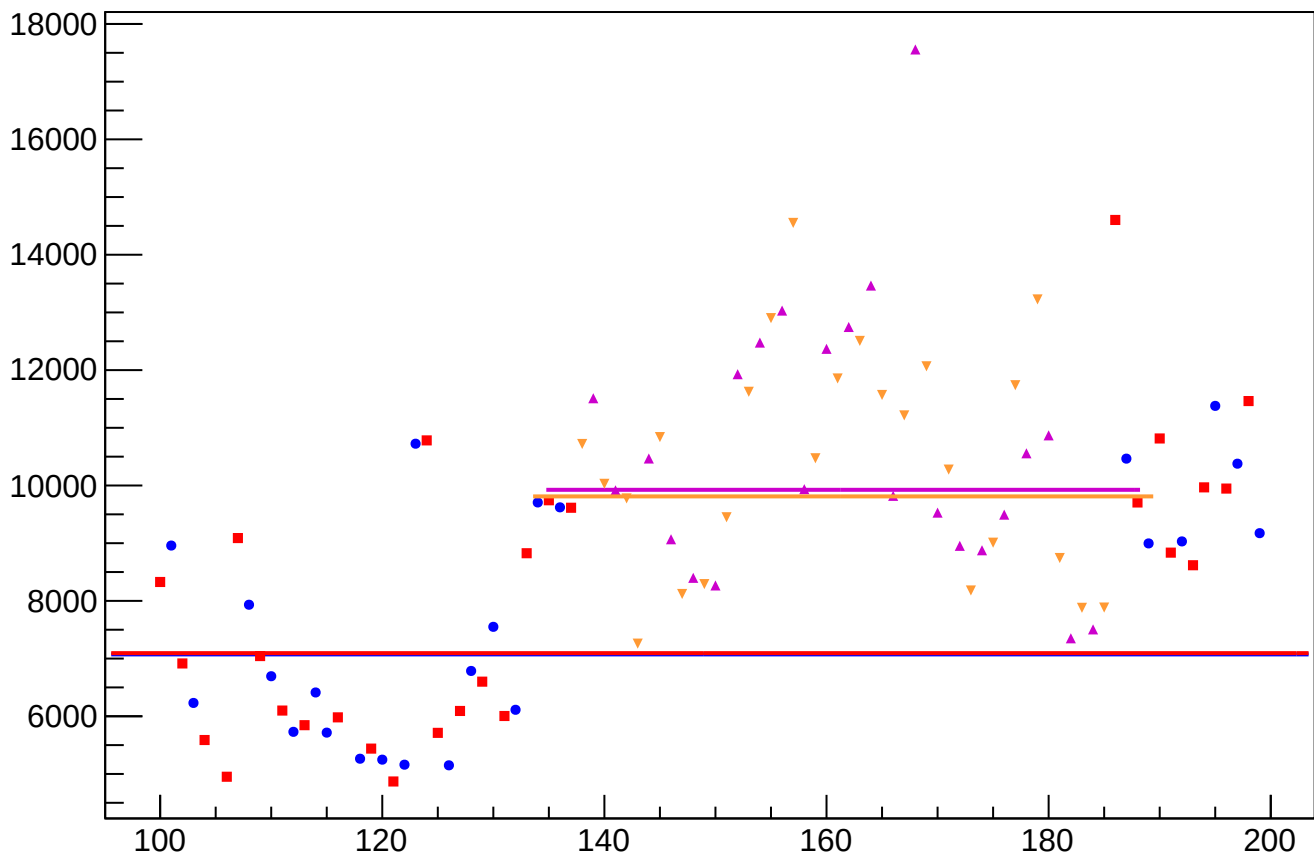
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

+ sign 2193.771+/-1623.189 χ^2/NDF : 52.2/47

All: -1196.681+/-1140.308 χ^2/NDF : 109.0/97

- sign -4500.399+/-1602.292 χ^2/NDF : 48.2/49

asym_atl2_rms vs Slug



Right In: 7072.246 ± 1.598 χ^2/NDF : 1365546.3/22

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

Right Out: 7094.219 ± 1.510 χ^2/NDF : 1744567.7/26

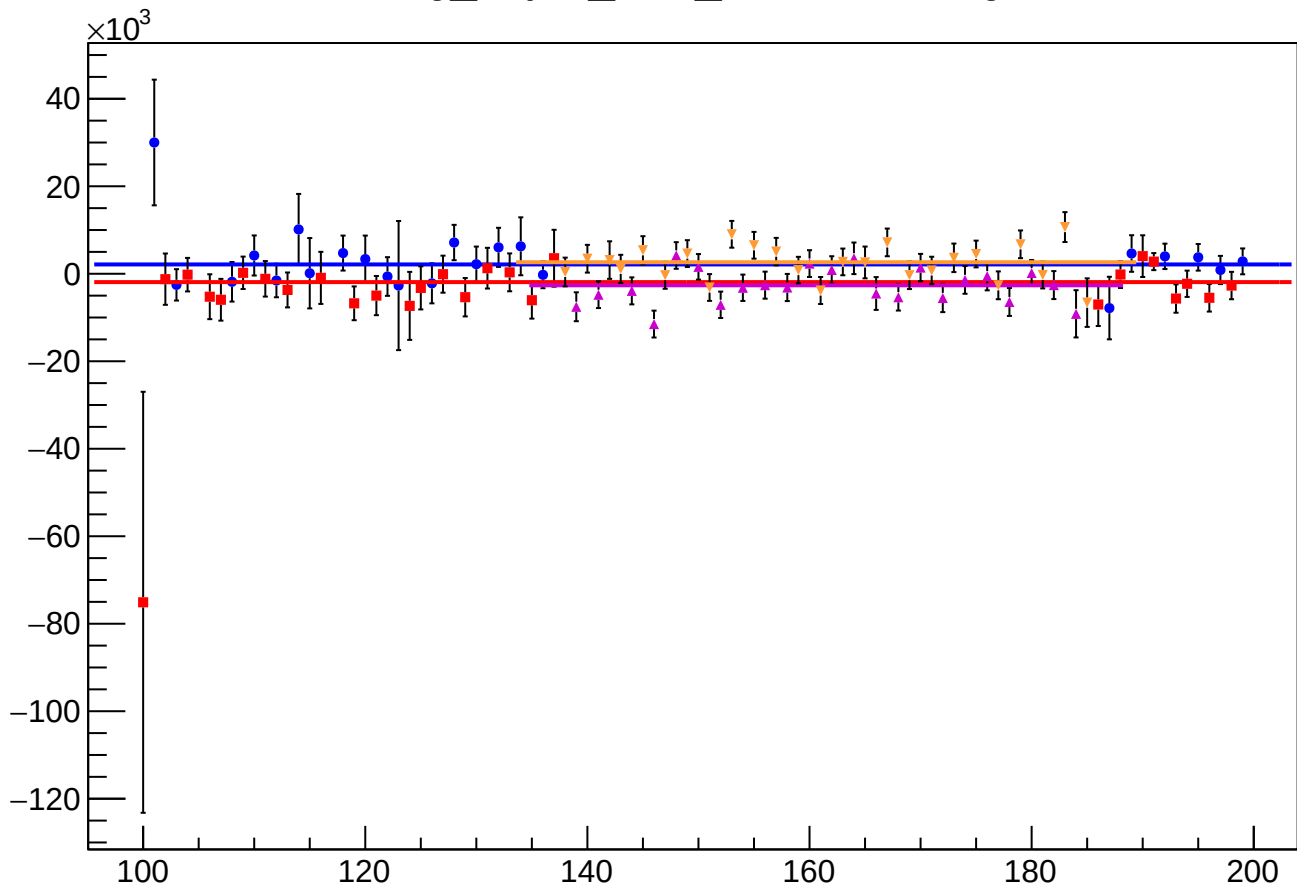
Left In: 9925.337 ± 1.713 χ^2/NDF : 1211554.7/22

+ sign 8397.456 ± 1.148 χ^2/NDF : 4001389.8/47

All: 8364.284 ± 0.806 χ^2/NDF : 8495589.9/97

- sign 8331.962 ± 1.133 χ^2/NDF : 4492551.0/49

reg_asym_atr1_mean vs Slug



Right In: 2131.587 $\pm$ 878.645 χ^2 /NDF: 16.8/22

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

Right Out: -1906.940 $\pm$ 760.416 χ^2 /NDF: 21.5/26

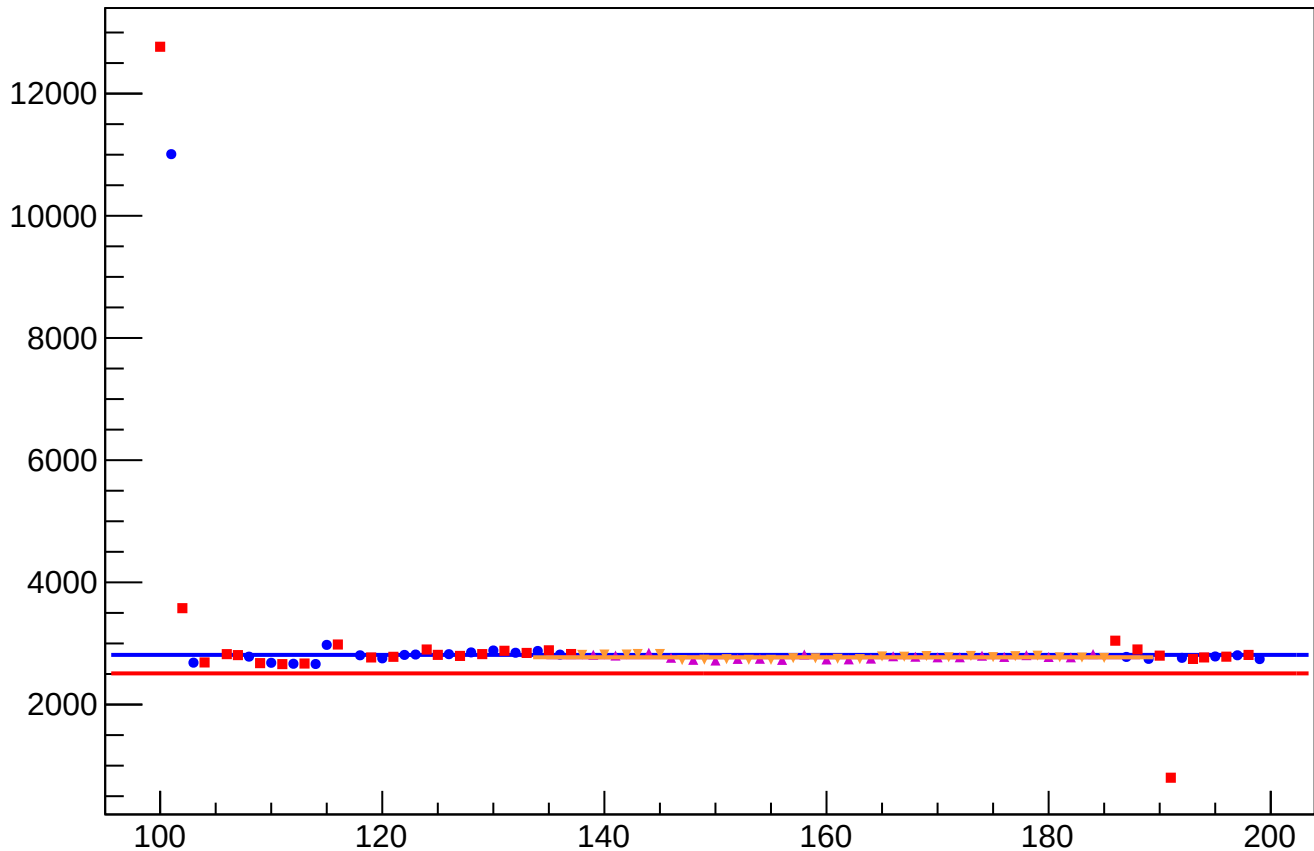
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF: 35.2/22

+ sign 2458.859 $\pm$ 520.531 χ^2 /NDF: 52.0/47

All: -25.691 $\pm$ 360.743 χ^2 /NDF: 153.1/97

- sign -2321.765 $\pm$ 500.399 χ^2 /NDF: 57.3/49

reg_asym_atr1_rms vs Slug



Right In: 2812.893+/-0.621 χ^2/NDF : 663631.9/22

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

Right Out: 2510.015+/-0.538 χ^2/NDF : 1953530.6/26

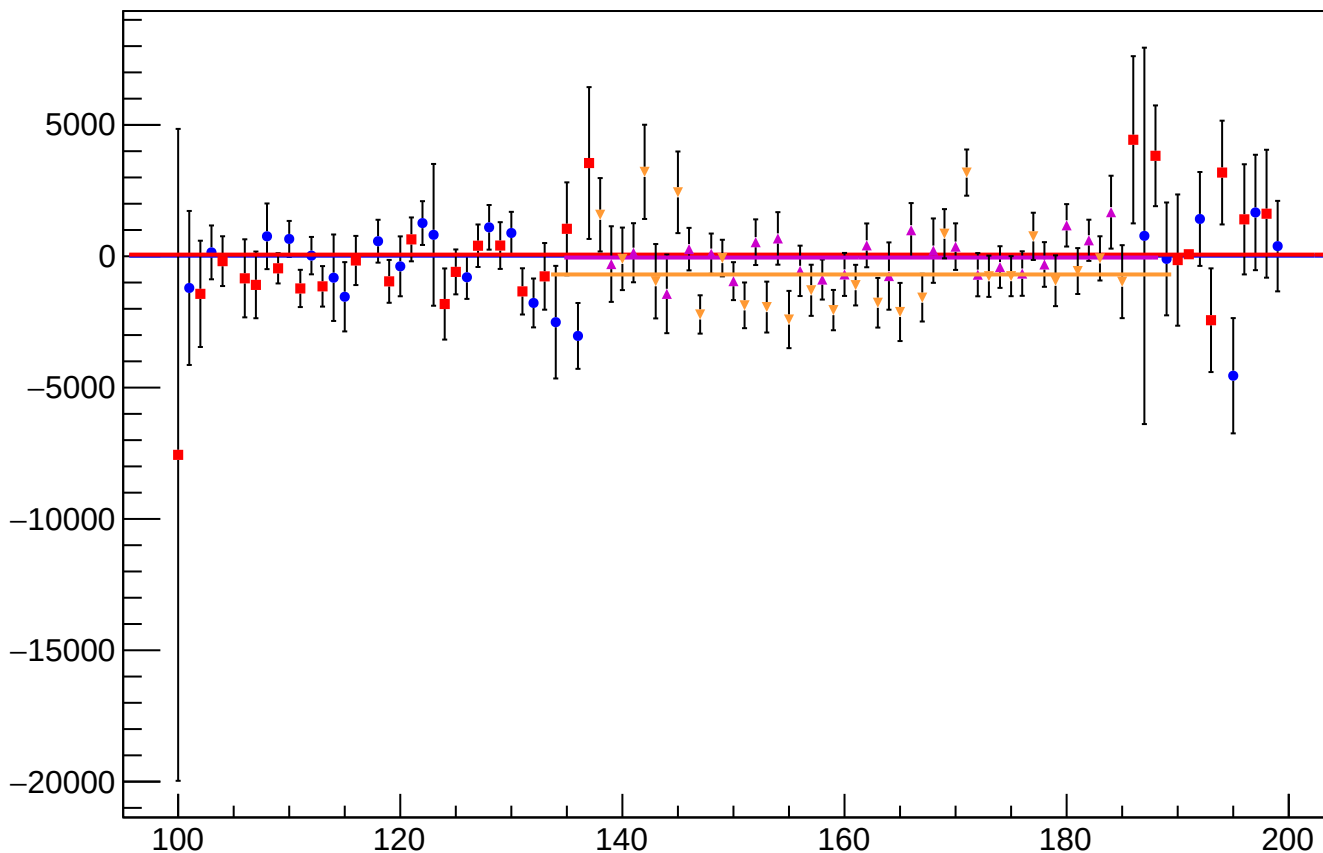
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2787.464+/-0.368 χ^2/NDF : 670829.3/47

All: 2721.065+/-0.255 χ^2/NDF : 2828657.8/97

- sign 2659.704+/-0.354 χ^2/NDF : 2095211.9/49

asym_atr1_correction_mean vs Slug



Right In: 22.208 $\pm$ 233.682 χ^2 /NDF: 26.4/22

Left Out: -692.808 $\pm$ 187.297 χ^2 /NDF:56.0/24

Right Out: 62.897 $\pm$ 37.901 χ^2 /NDF: 29.2/26

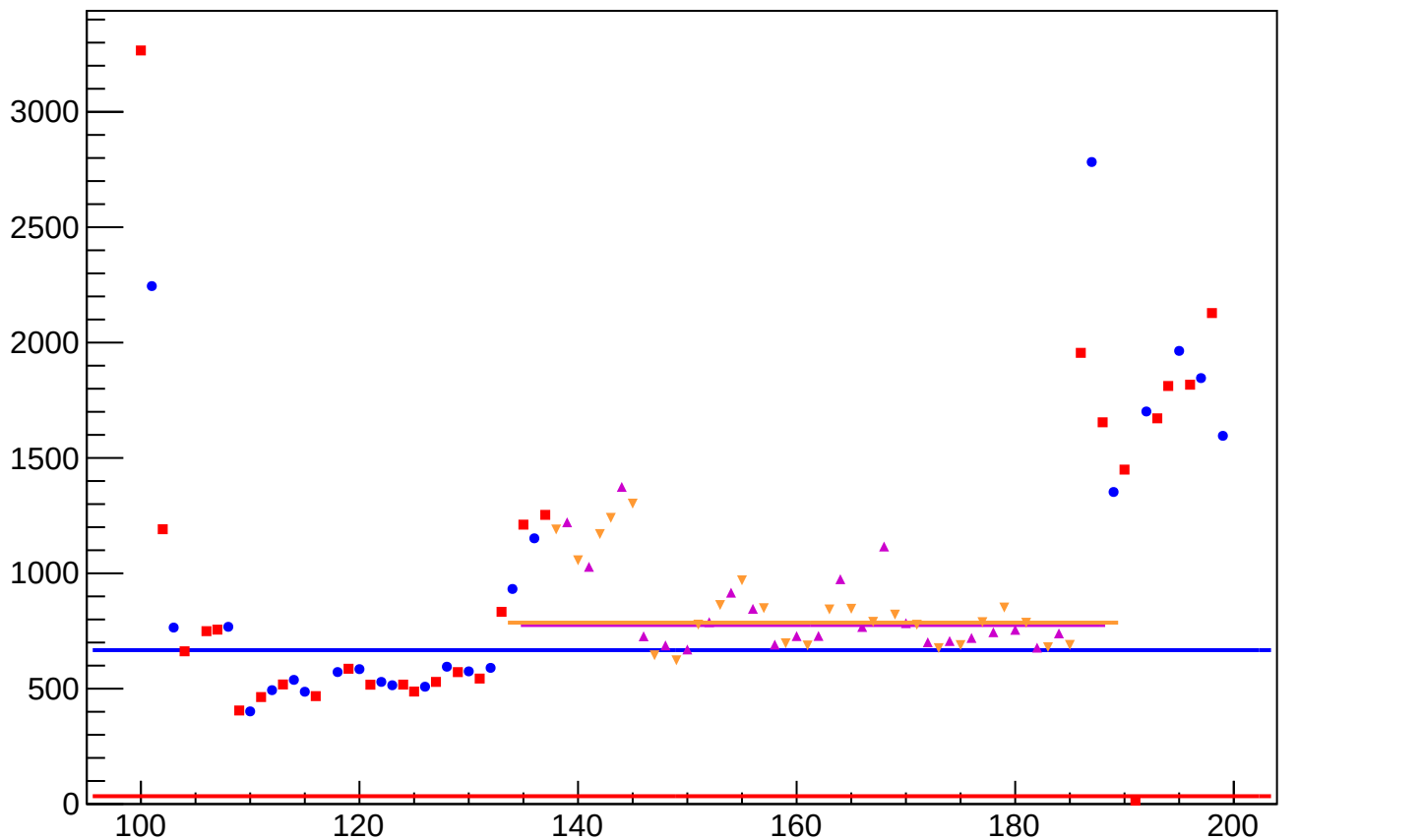
Left In: -49.244 $\pm$ 189.190 χ^2 /NDF:13.6/22

+ sign -413.138 $\pm$ 146.147 χ^2 /NDF: 88.0/47

All: 29.923 $\pm$ 36.016 χ^2 /NDF: 141.0/97

- sign 58.570 $\pm$ 37.162 χ^2 /NDF: 43.2/49

asym_atr1_correction_rms vs Slug



Right In: 667.165 $\pm$ 0.165 χ^2 /NDF: 4539015.7/22

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

Right Out: 34.045 $\pm$ 0.027 χ^2 /NDF: 21382842.9/26

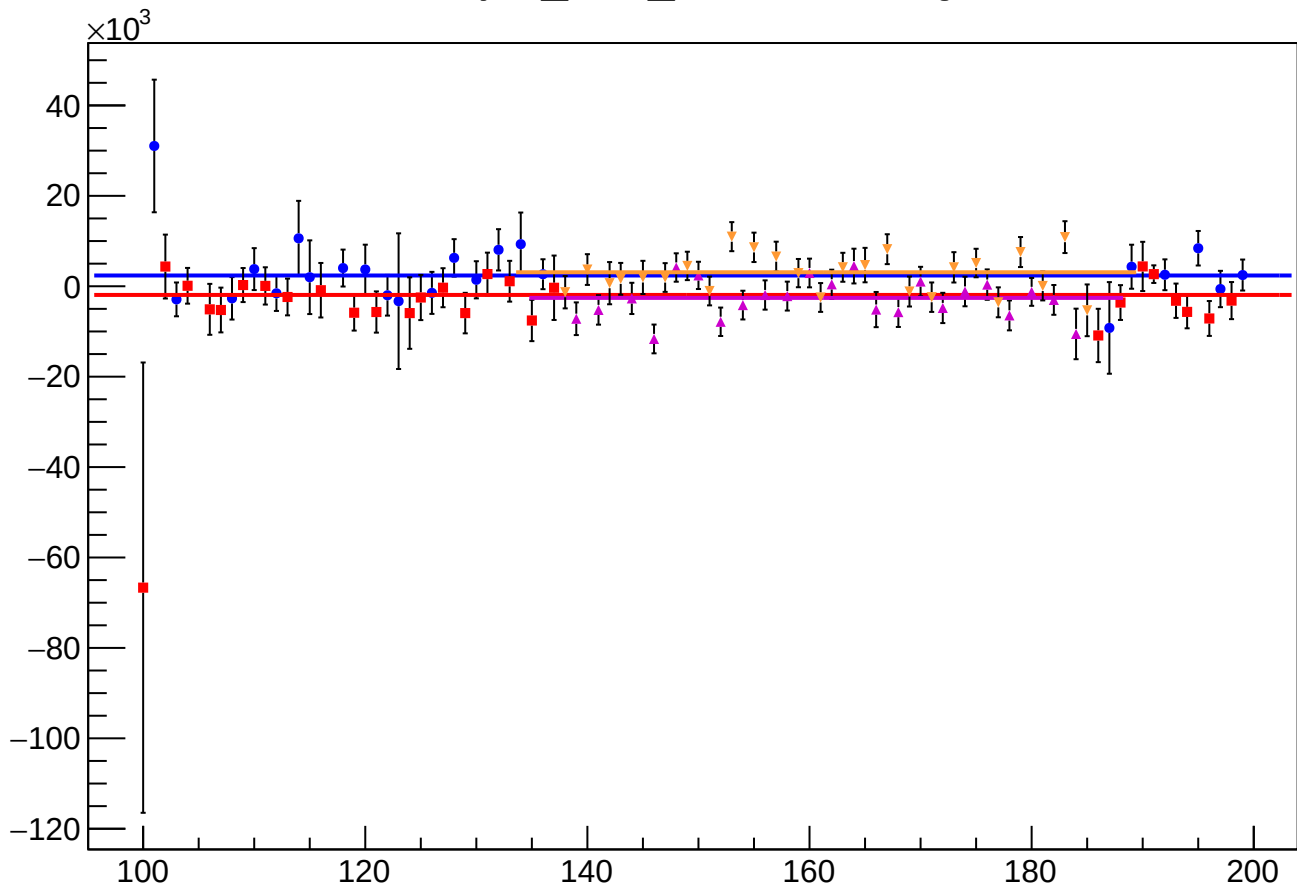
Left In: 775.930 $\pm$ 0.134 χ^2 /NDF: 1056766.5/22

+ sign 739.625 $\pm$ 0.103 χ^2 /NDF: 6104377.3/47

All: 103.782 $\pm$ 0.025 χ^2 /NDF: 98416647.8/97

- sign 62.670 $\pm$ 0.026 χ^2 /NDF: 52007429.7/49

asym_atr1_mean vs Slug



Right In: 2381.538 $\pm$ 958.930 χ^2 /NDF: 19.1/22

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

Right Out: -1919.259 $\pm$ 824.161 χ^2 /NDF: 22.5/26

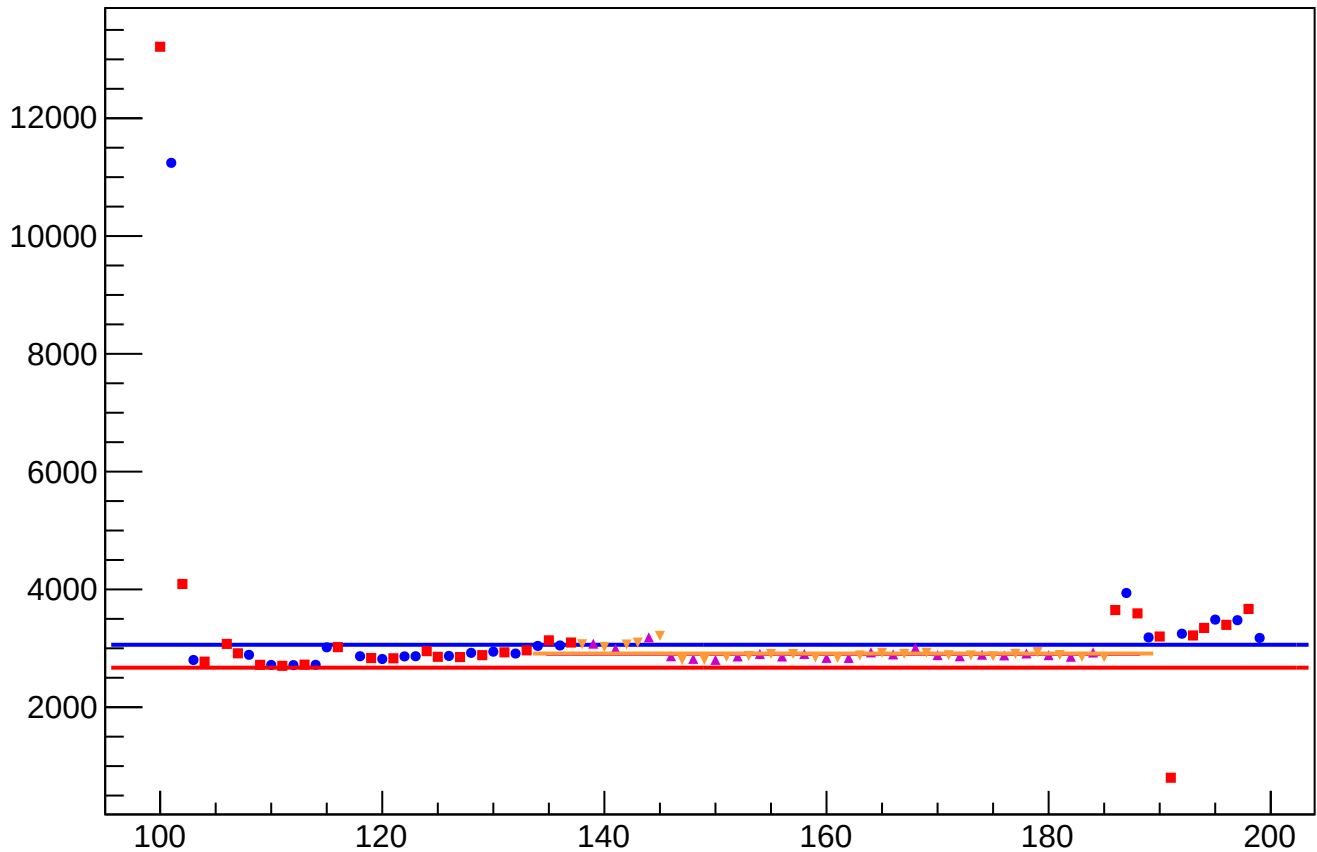
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF: 35.7/22

+ sign 2856.855 $\pm$ 553.880 χ^2 /NDF: 58.1/47

All: 172.363 $\pm$ 383.555 χ^2 /NDF: 161.8/97

- sign -2301.057 $\pm$ 531.660 χ^2 /NDF: 58.6/49

asym_atr1_rms vs Slug



Right In: 3060.046+/-0.678 χ^2/NDF : 758078.1/22

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

Right Out: 2671.349+/-0.583 χ^2/NDF : 2582915.1/26

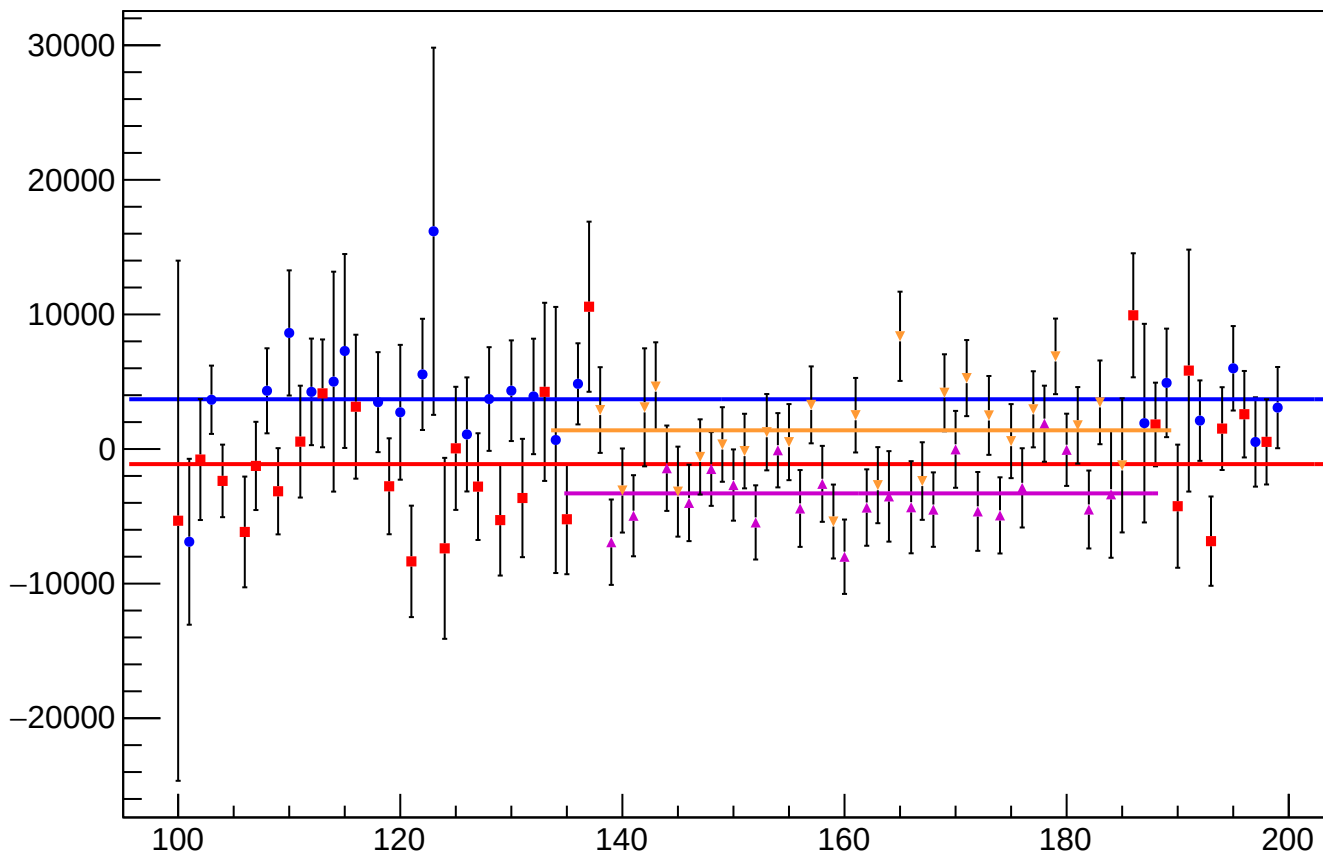
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2960.876+/-0.392 χ^2/NDF : 826821.7/47

All: 2880.706+/-0.271 χ^2/NDF : 3611662.7/97

- sign 2806.839+/-0.376 χ^2/NDF : 2704334.1/49

reg_asym_atr2_mean vs Slug



Right In: 3698.181 $\pm$ 825.985 χ^2 /NDF: 8.1/22

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

Right Out: -1120.957 $\pm$ 769.731 χ^2 /NDF: 28.5/26

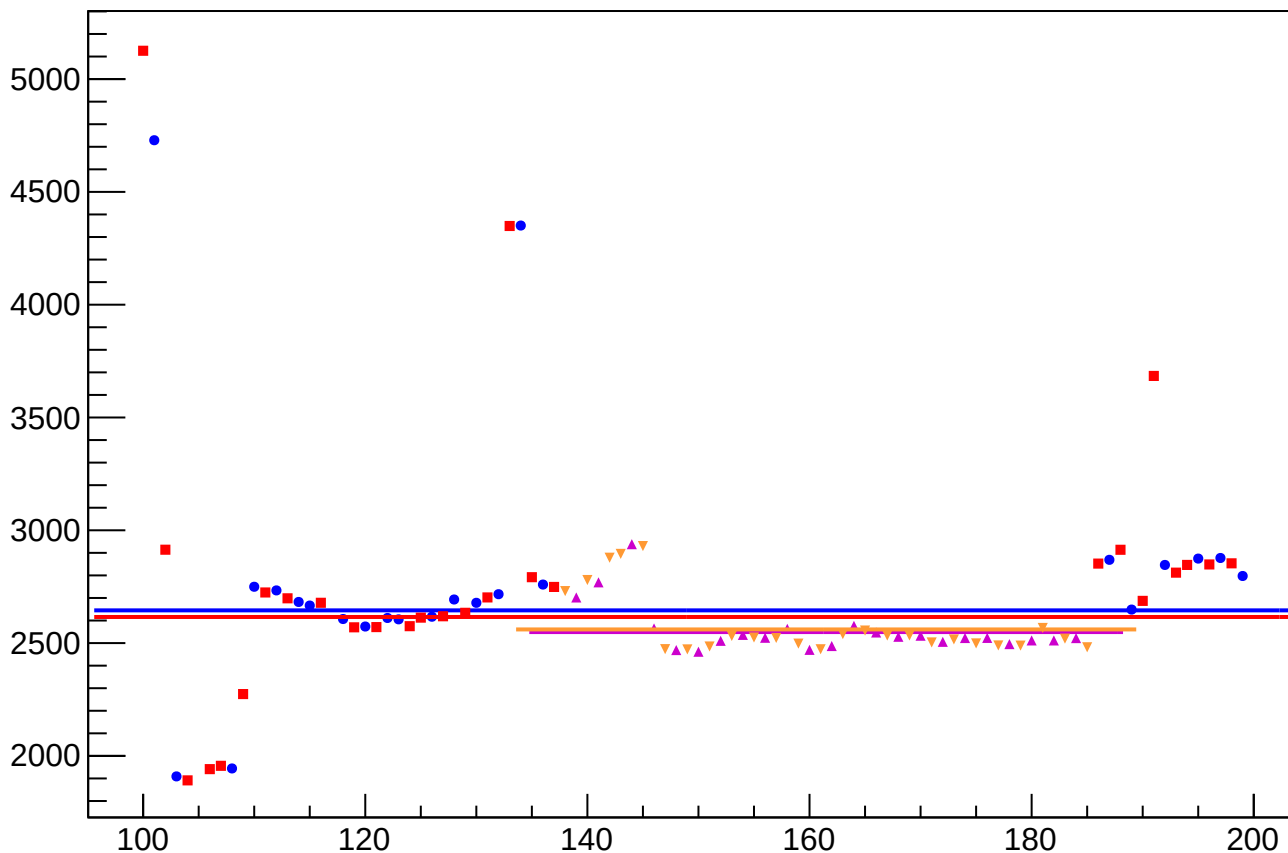
Left In: -3295.367 $\pm$ 609.991 χ^2 /NDF:14.9/22

+ sign 2181.373 $\pm$ 483.591 χ^2 /NDF: 42.4/47

All: -164.214 $\pm$ 339.983 χ^2 /NDF: 137.2/97

- sign -2456.577 $\pm$ 478.073 χ^2 /NDF: 48.3/49

reg_asym_atr2_rms vs Slug



Right In: 2645.063 $\pm$ 0.584 χ^2 /NDF: 598215.8/22

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

Right Out: 2615.739 $\pm$ 0.544 χ^2 /NDF: 582746.5/26

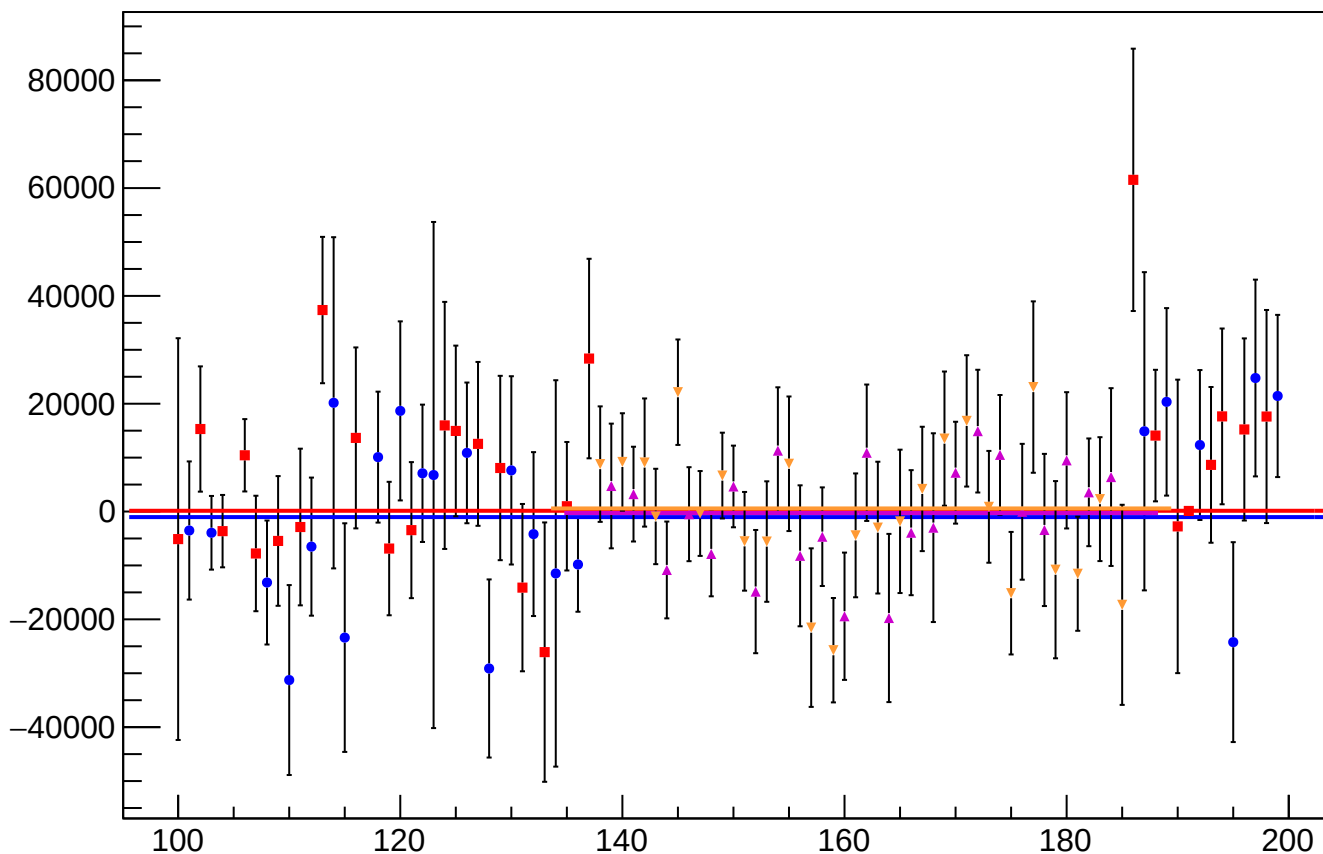
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2589.507 $\pm$ 0.342 χ^2 /NDF: 698754.2/47

All: 2582.001 $\pm$ 0.240 χ^2 /NDF: 1346991.2/97

- sign 2574.665 $\pm$ 0.338 χ^2 /NDF: 647284.2/49

asym_atr2_correction_mean vs Slug



Right In: -1033.695 ± 2941.690 χ^2/NDF : 22.3/22

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

Right Out: 139.937 ± 195.004 χ^2/NDF : 31.2/26

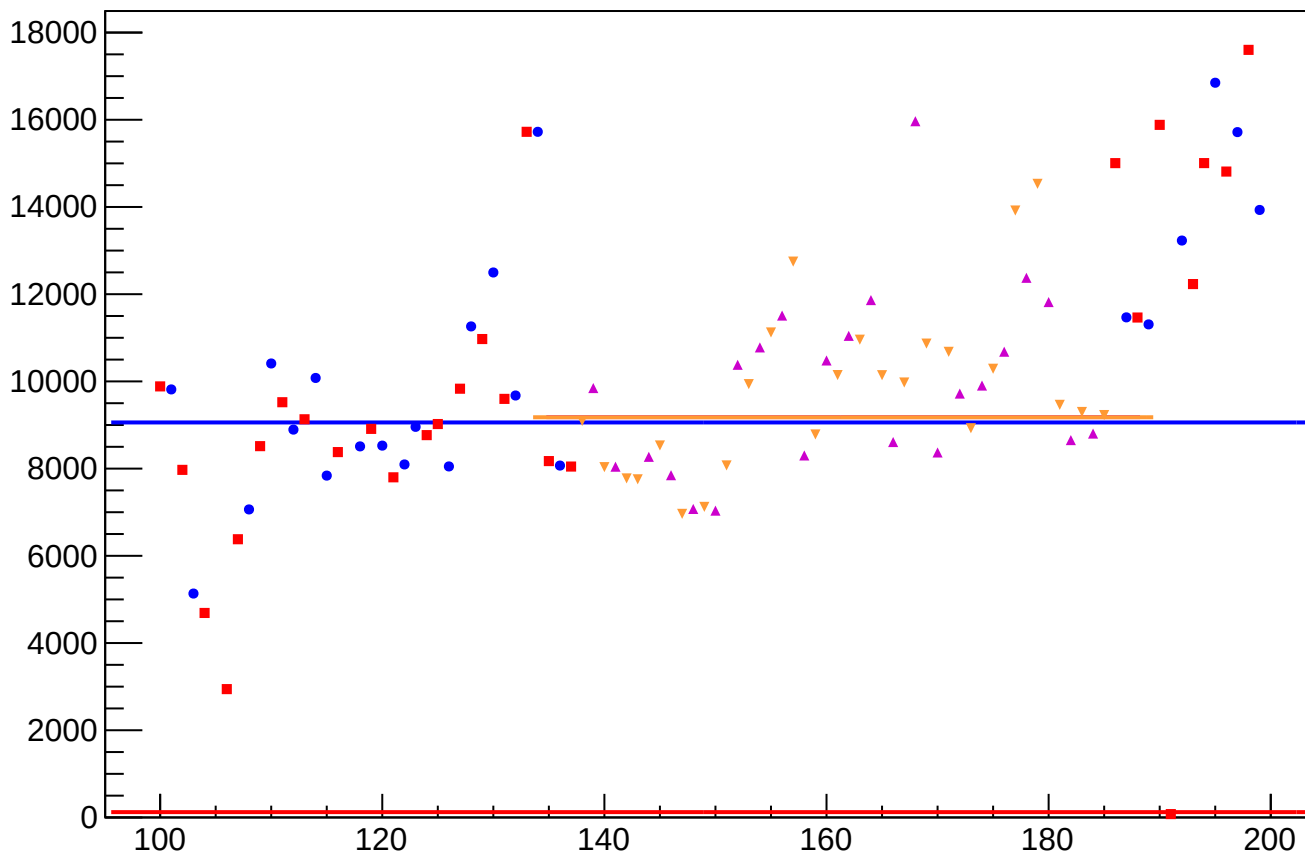
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign 1.615 ± 1753.745 χ^2/NDF : 50.8/47

All: 135.184 ± 193.090 χ^2/NDF : 97.7/97

- sign 136.823 ± 194.271 χ^2/NDF : 46.9/49

asym_atr2_correction_rms vs Slug



Right In: 9058.590 $\pm$ 2.080 χ^2 /NDF: 2043988.5/22

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

Right Out: 122.172 $\pm$ 0.138 χ^2 /NDF: 22742330.4/26

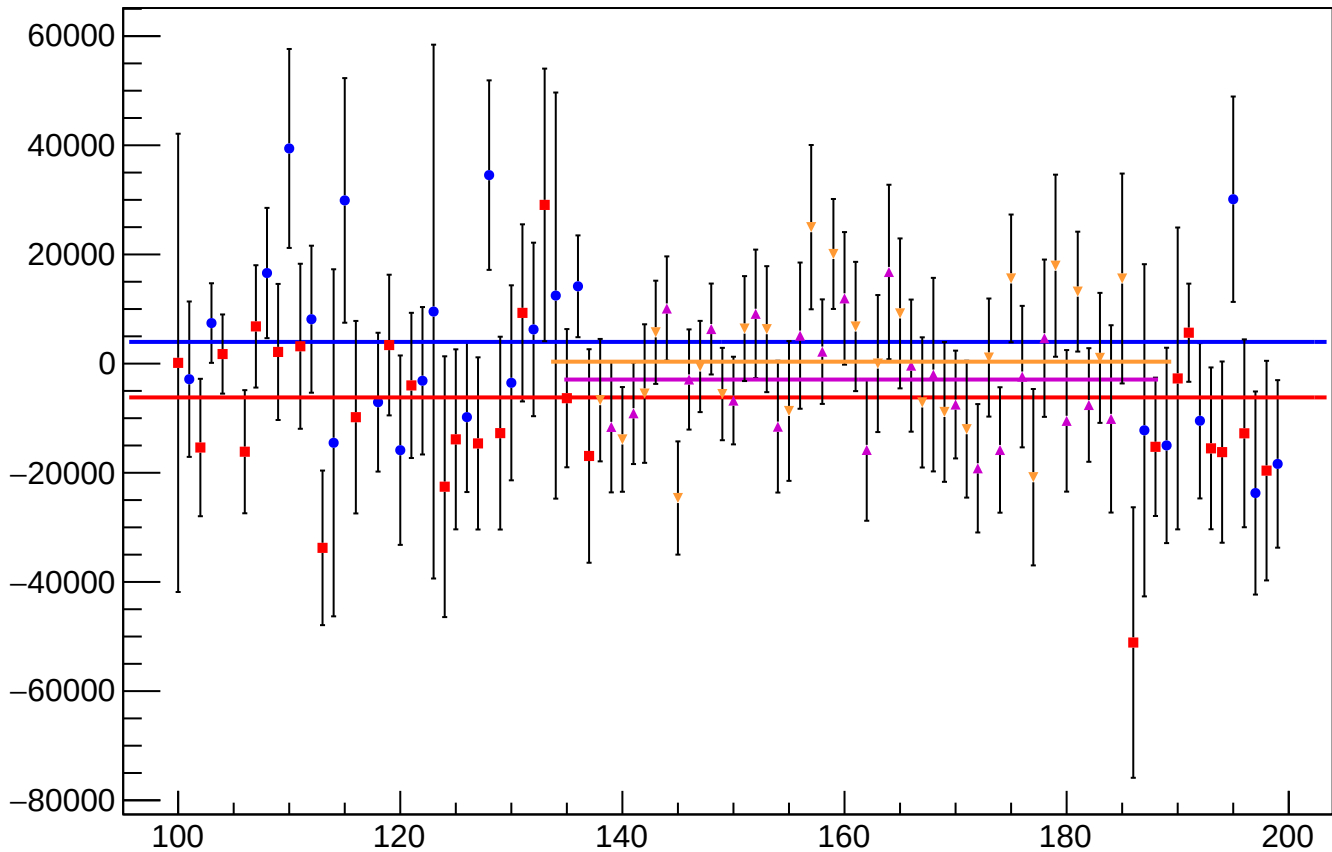
Left In: 9181.254 $\pm$ 1.586 χ^2 /NDF:1236469.7/22

+ sign 9135.358 $\pm$ 1.240 χ^2 /NDF: 3222297.5/47

All: 298.577 $\pm$ 0.137 χ^2 /NDF: 110987480.3/5

- sign 190.140 $\pm$ 0.137 χ^2 /NDF: 56362957.0/49

asym_atr2_mean vs Slug



Right In: 3976.794 $\pm$ 3090.260 χ^2 /NDF: 23.7/22

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

Right Out: -6191.988 $\pm$ 2723.013 χ^2 /NDF: 20.3/26

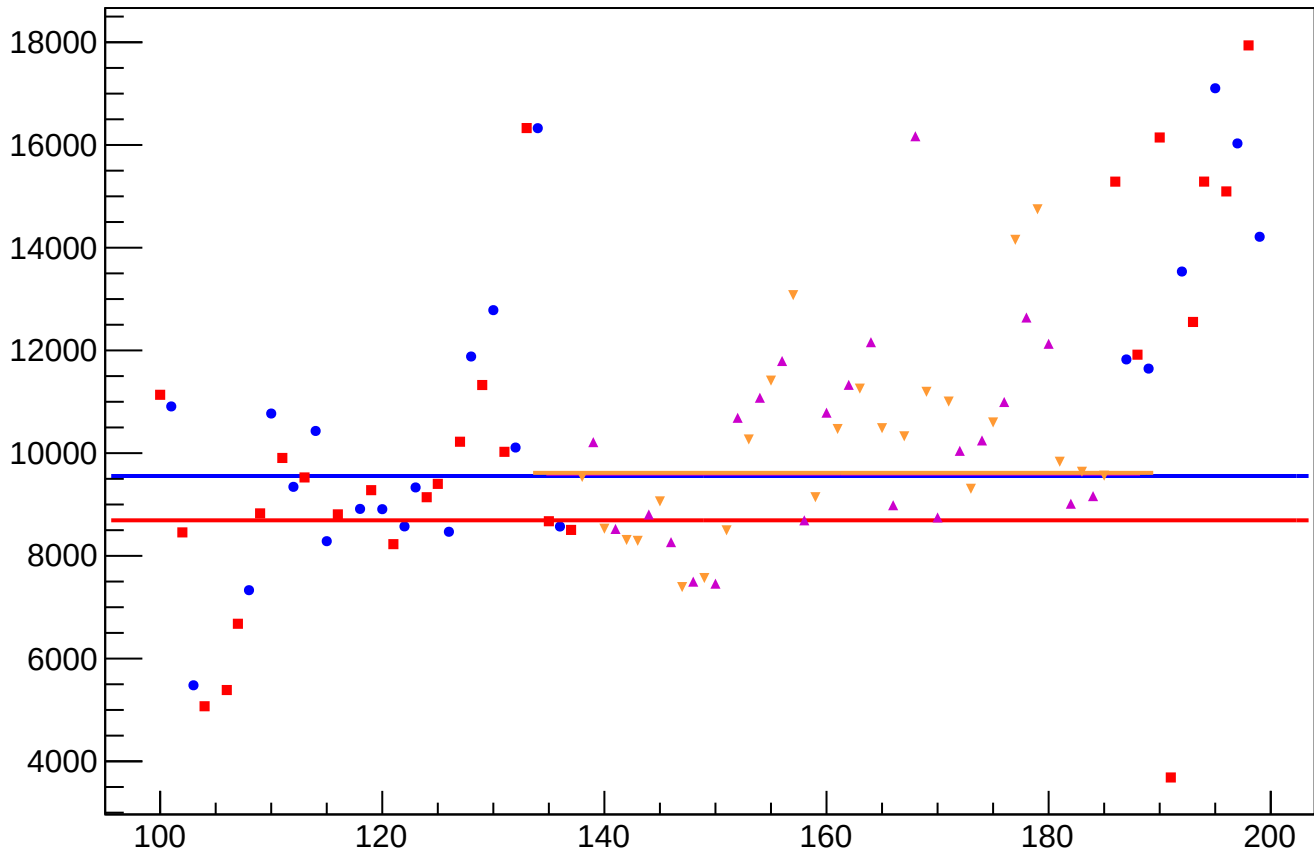
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1633.291 $\pm$ 1835.562 χ^2 /NDF: 50.9/47

All: -1438.496 $\pm$ 1275.638 χ^2 /NDF: 92.4/97

- sign -4307.881 $\pm$ 1774.059 χ^2 /NDF: 36.1/49

asym_atr2_rms vs Slug



Right In: 9555.092 $\pm$ 2.185 χ^2 /NDF: 1896196.7/22

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

Right Out: 8692.007 $\pm$ 1.925 χ^2 /NDF: 3224897.0/26

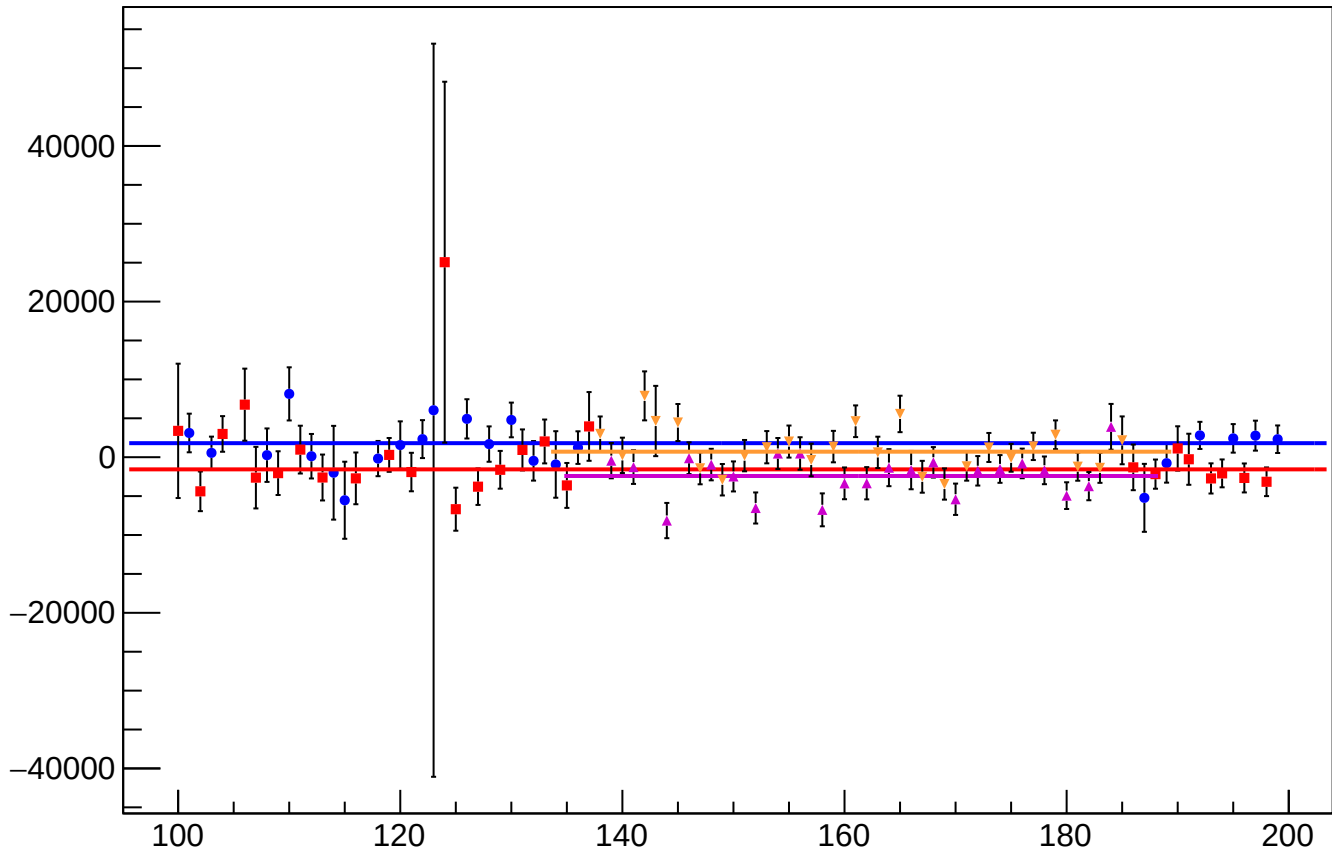
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF:1082171.6/22

+ sign 9594.669 $\pm$ 1.298 χ^2 /NDF: 2908369.2/47

All: 9397.709 $\pm$ 0.902 χ^2 /NDF: 7387555.2/97

- sign 9213.732 $\pm$ 1.254 χ^2 /NDF: 4434648.6/49

reg_asym_atl_avg_mean vs Slug



Right In: 1803.512 ± 524.070 χ^2/NDF : 17.1/22

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

Right Out: -1563.254 ± 500.957 χ^2/NDF : 23.5/26

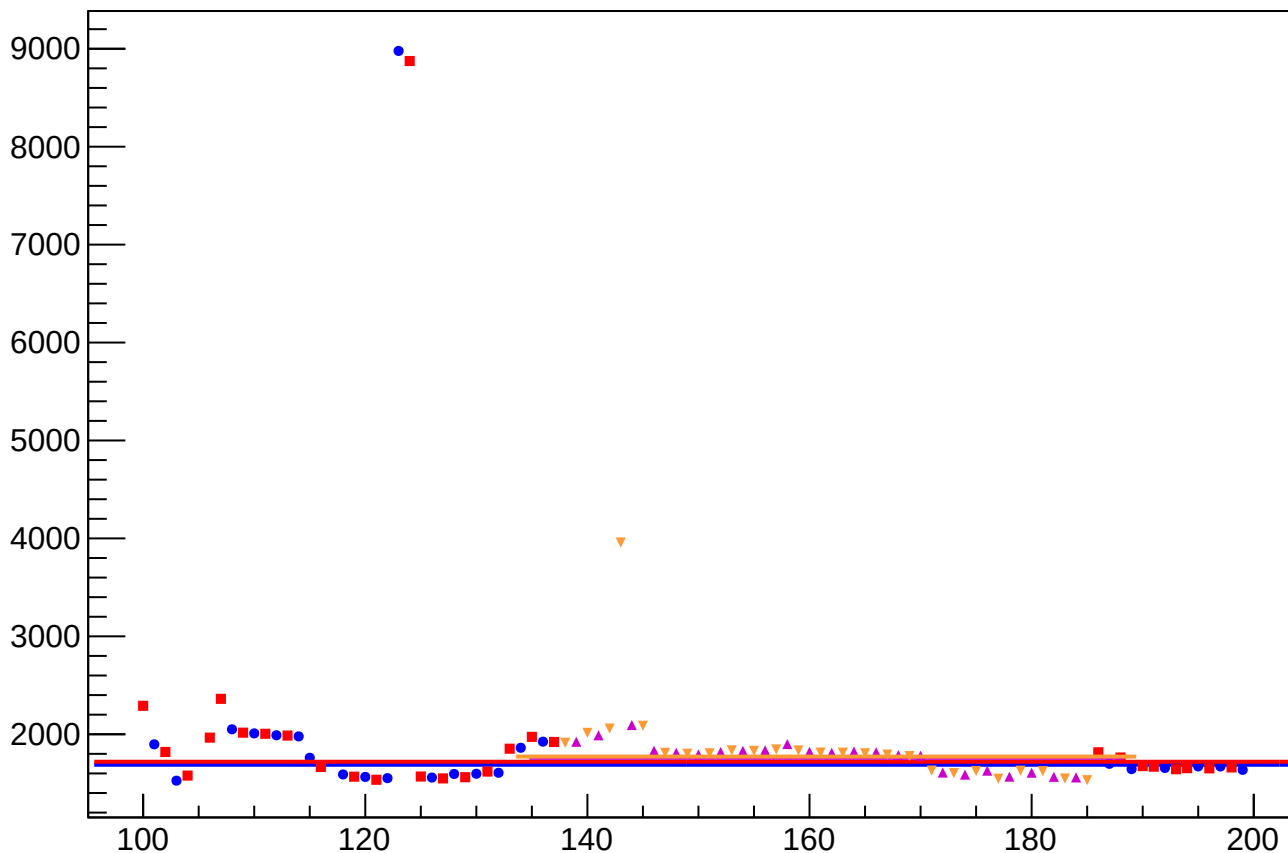
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 1134.231 ± 326.487 χ^2/NDF : 54.6/47

All: -477.973 ± 229.764 χ^2/NDF : 162.0/97

- sign -2059.875 ± 323.404 χ^2/NDF : 59.1/49

reg_asym_atl_avg_rms vs Slug



Right In: 1688.563+/-0.371 χ^2 /NDF: 200869.4/22

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

Right Out: 1719.345+/-0.353 χ^2 /NDF: 414626.7/26

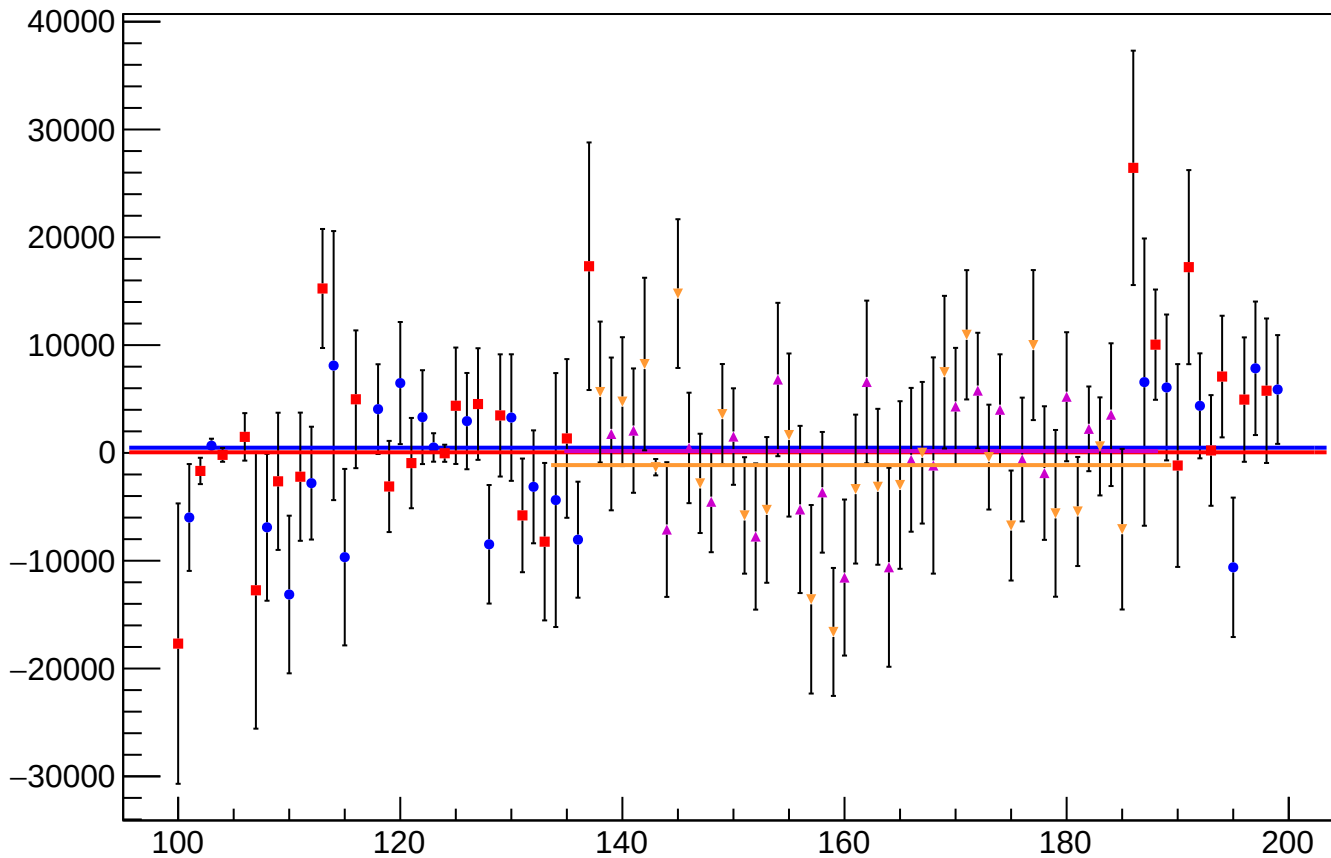
Left In: 1759.600+/-0.299 χ^2 /NDF: 214891.5/22

+ sign 1739.645+/-0.231 χ^2 /NDF: 934396.1/47

All: 1741.226+/-0.162 χ^2 /NDF: 1571560.9/97

- sign 1742.774+/-0.228 χ^2 /NDF: 637072.1/49

asym_atl_avg_correction_mean vs Slug



Right In: 484.753+/-528.526 χ^2/NDF : 24.4/22

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

Right Out: 57.118+/-426.048 χ^2/NDF : 37.5/26

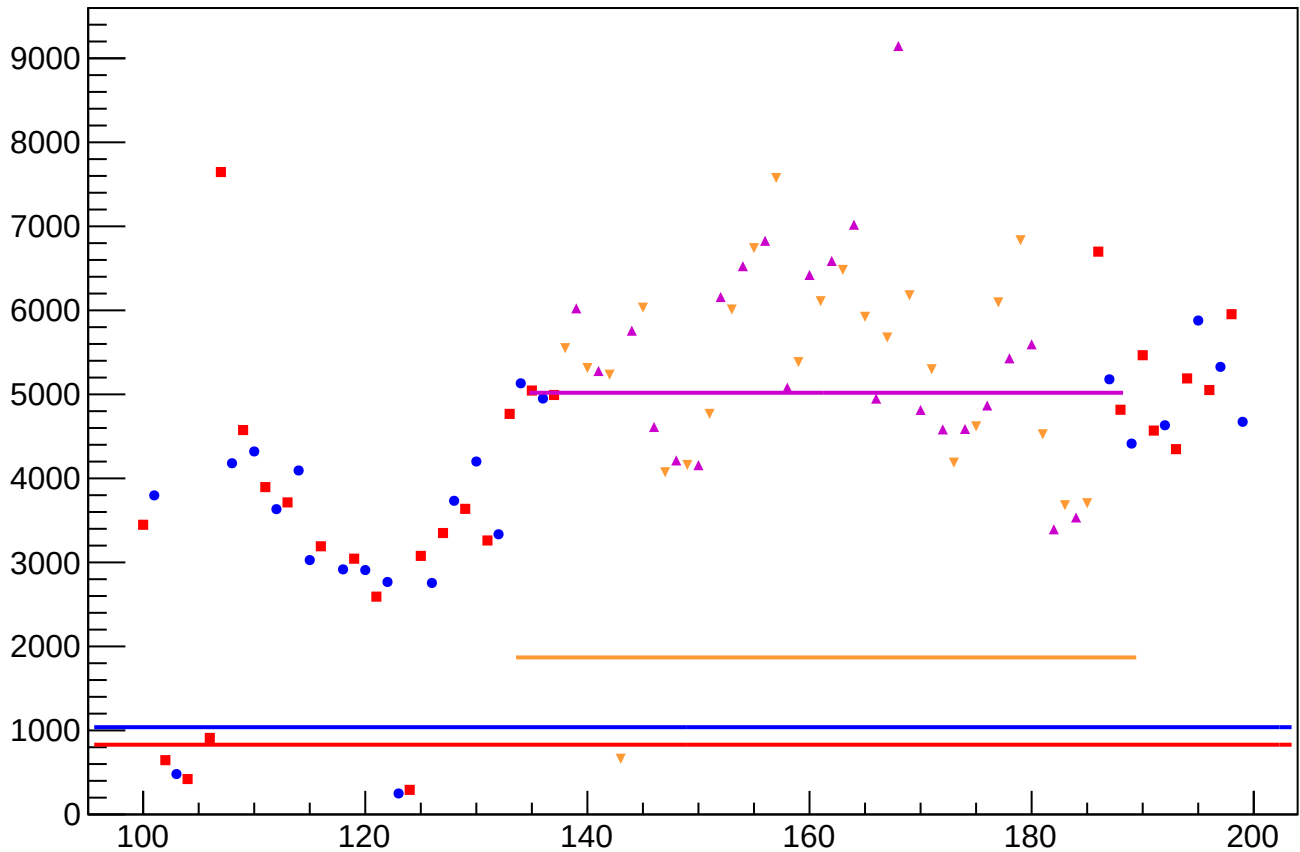
Left In: 168.182+/-1232.411 χ^2/NDF : 14.2/22

+ sign -160.724+/-409.468 χ^2/NDF : 59.6/47

All: -43.951+/-287.102 χ^2/NDF : 111.4/97

- sign 68.974+/-402.666 χ^2/NDF : 51.6/49

asym_atl_avg_correction_rms vs Slug



Right In: 1038.738+/-0.374 χ^2/NDF : 13248487.6/22

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

Right Out: 830.092+/-0.301 χ^2/NDF : 15608498.9/26

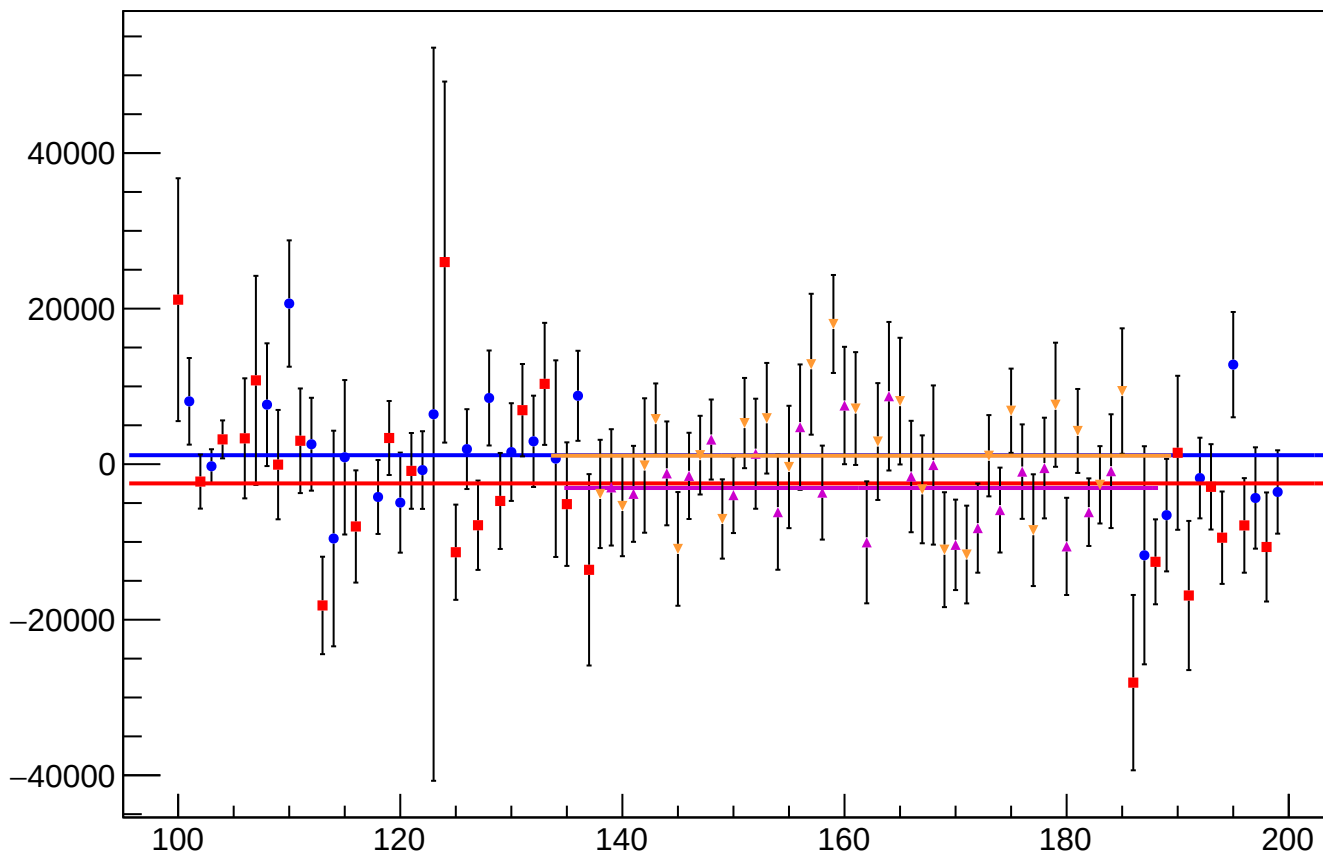
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

+ sign 1370.658+/-0.290 χ^2/NDF : 35073946.3/47

All: 1323.187+/-0.203 χ^2/NDF : 72944642.3/50

- sign 1277.280+/-0.285 χ^2/NDF : 37817820.4/49

asym_atl_avg_mean vs Slug



Right In: 1153.752 $\pm$ 1177.368 χ^2 /NDF: 21.5/22

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

Right Out: -2473.314 $\pm$ 1136.807 χ^2 /NDF: 43.7/26

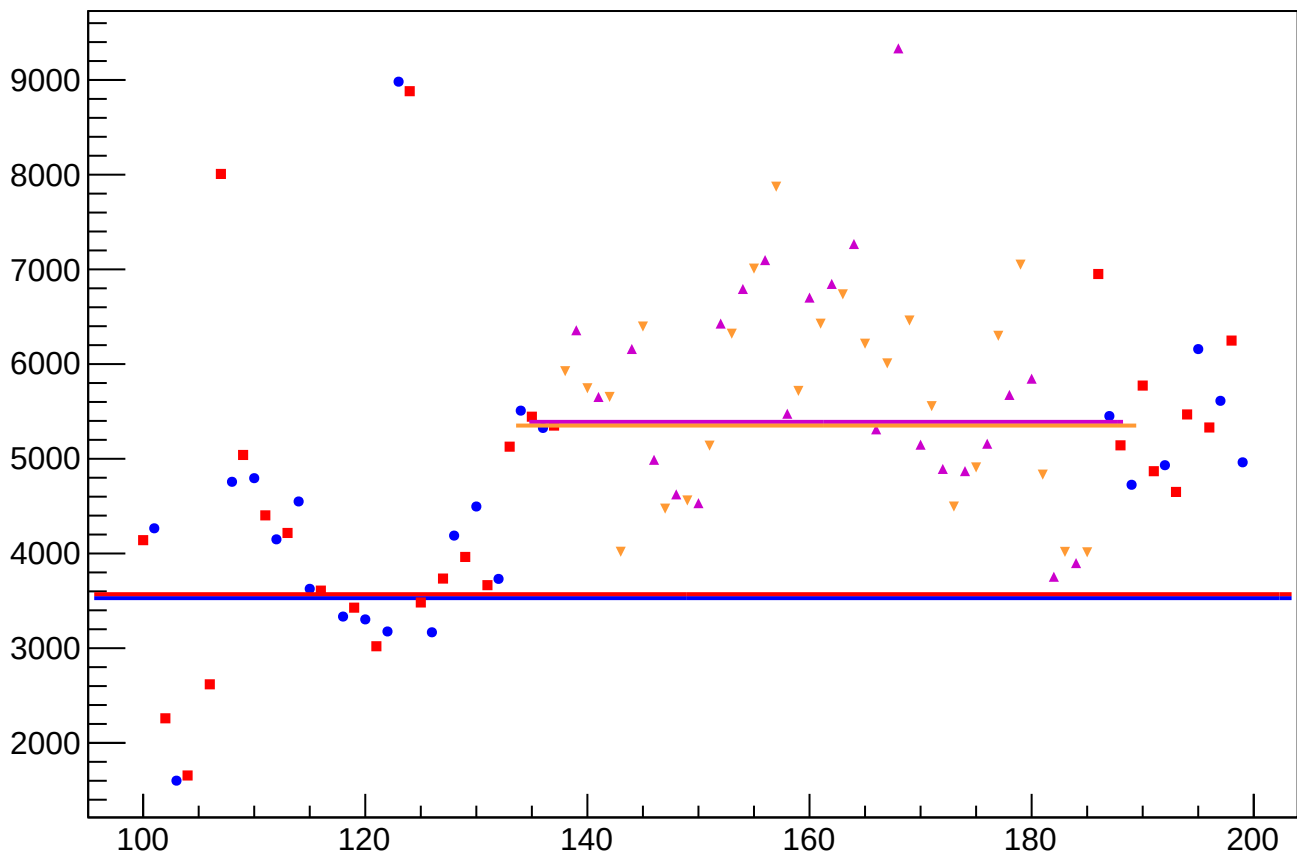
Left In: -3064.775 $\pm$ 1318.173 χ^2 /NDF:12.6/22

+ sign 1126.353 $\pm$ 864.394 χ^2 /NDF: 53.4/47

All: -807.454 $\pm$ 609.974 χ^2 /NDF: 119.8/97

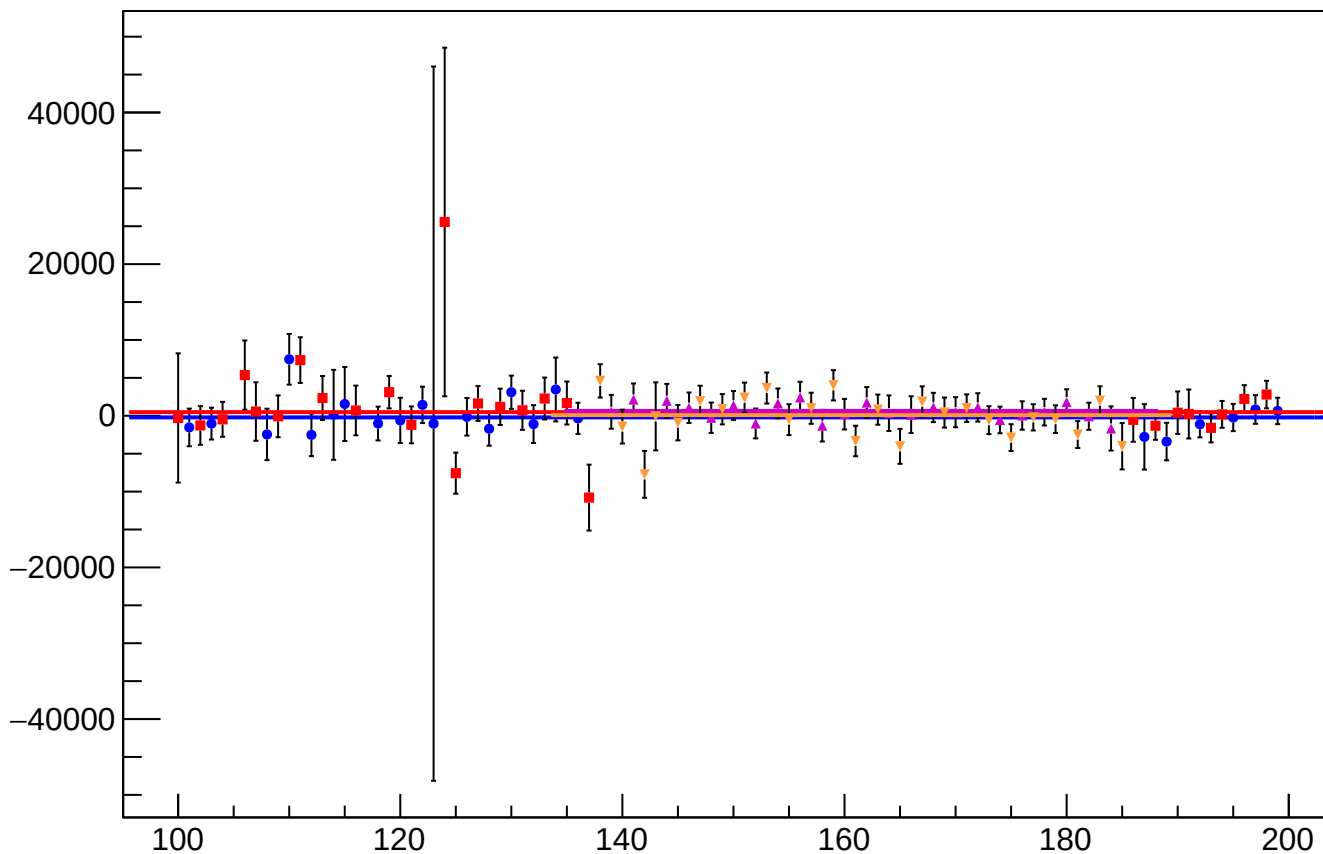
- sign -2725.587 $\pm$ 860.884 χ^2 /NDF: 56.4/49

asym_atl_avg_rms vs Slug



Right In: 3528.648 $\pm$ 0.833	χ^2 /NDF: 2971698.5/22	+ sign 4368.636 $\pm$ 0.611	χ^2 /NDF: 6421546.1/47
Left Out: 5350.804 $\pm$ 0.900	χ^2 /NDF: 1241497.9/24	All: 4352.220 $\pm$ 0.430	χ^2 /NDF: 13473600.7/9
Right Out: 3570.260 $\pm$ 0.795	χ^2 /NDF: 3534319.0/26	- sign 4336.151 $\pm$ 0.605	χ^2 /NDF: 7050627.2/49
Left In: 5389.724 $\pm$ 0.932	χ^2 /NDF: 1309863.0/22		

reg_asym_atl_dd_mean vs Slug



Right In: -213.006 ± 516.498 χ^2/NDF : 14.0/22

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

Right Out: 479.874 ± 493.594 χ^2/NDF : 31.9/26

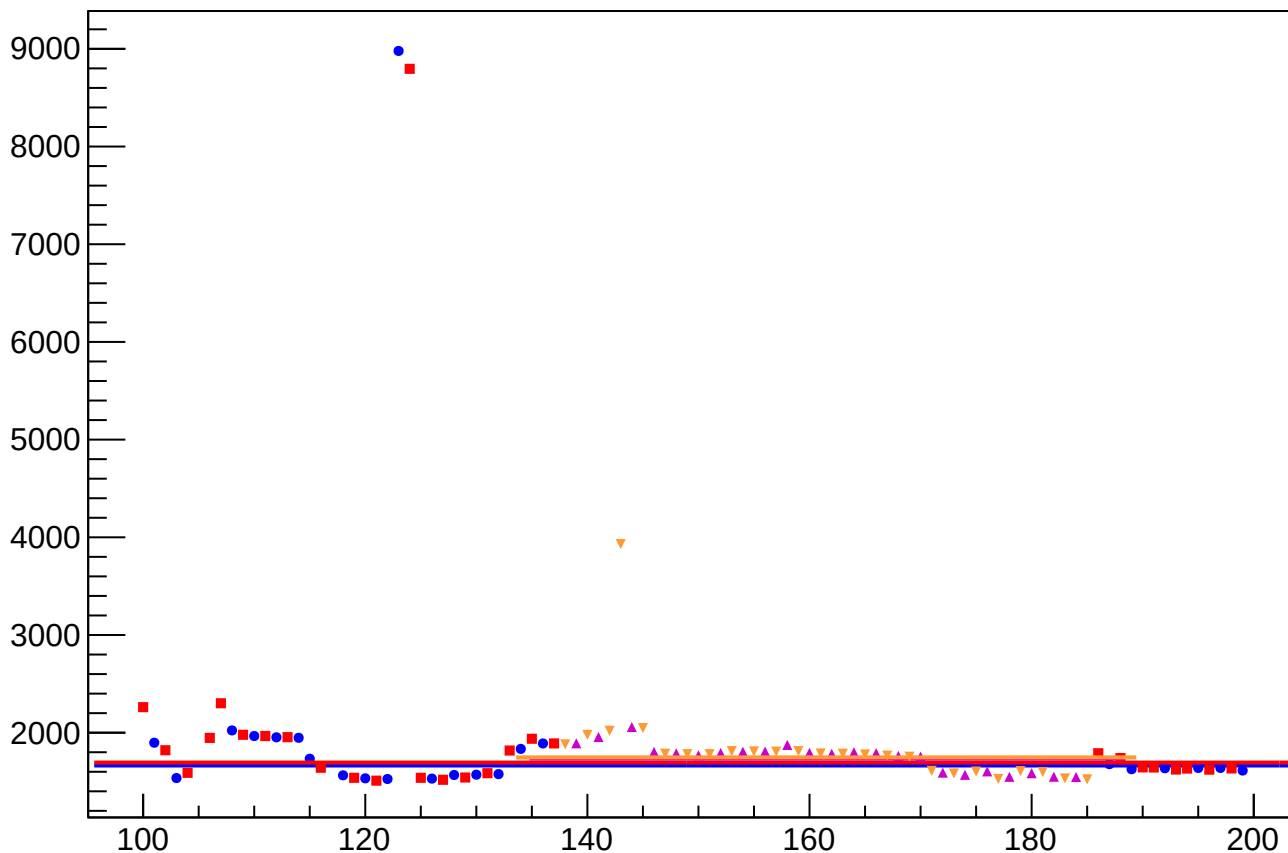
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -29.979 ± 321.858 χ^2/NDF : 50.3/47

All: 274.527 ± 226.509 χ^2/NDF : 90.2/97

- sign 573.328 ± 318.828 χ^2/NDF : 38.2/49

reg_asym_atl_dd_rms vs Slug



Right In: 1664.205+/-0.365 χ^2/NDF : 199427.7/22

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

Right Out: 1694.390+/-0.348 χ^2/NDF : 411416.0/26

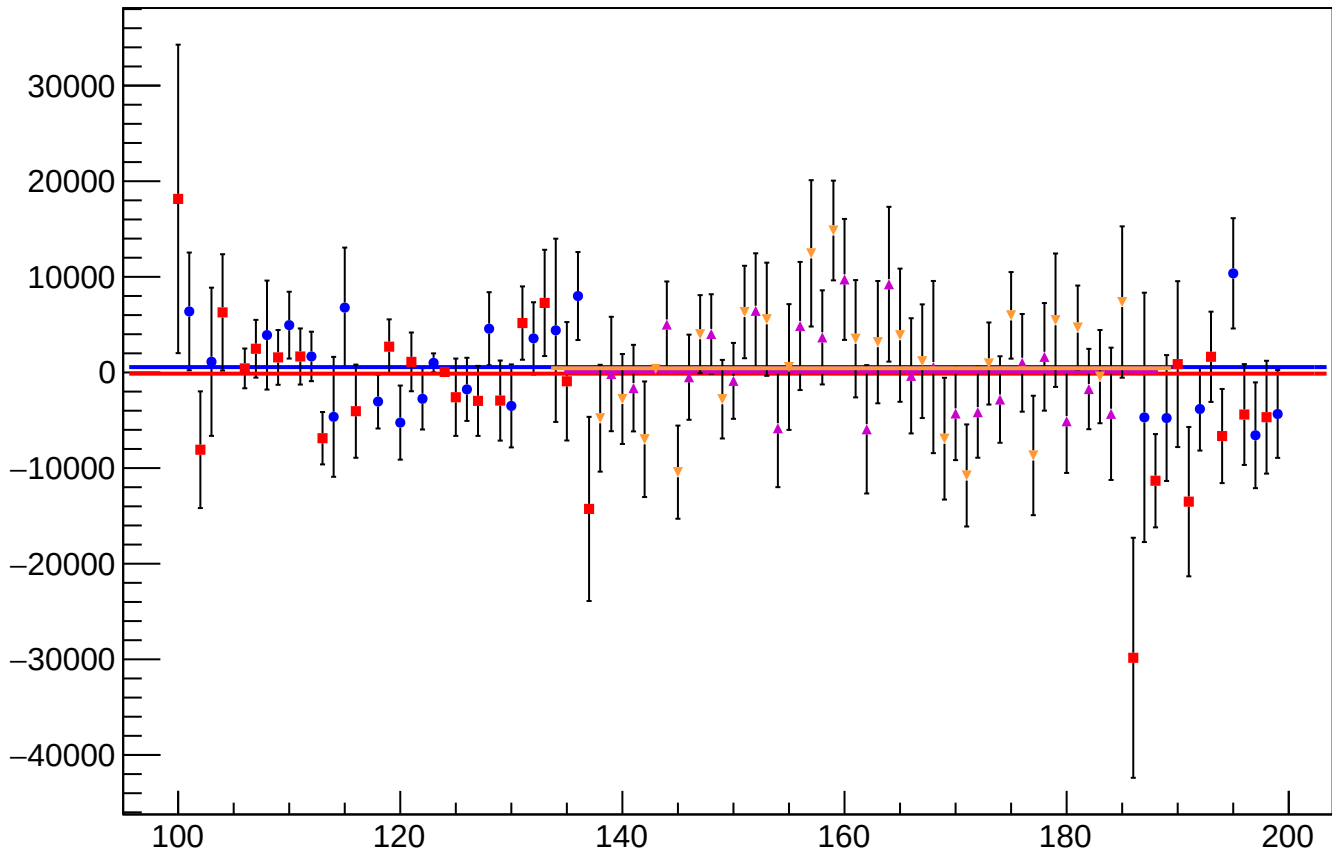
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1715.045+/-0.228 χ^2/NDF : 929299.5/47

All: 1716.701+/-0.160 χ^2/NDF : 1555710.9/97

- sign 1718.323+/-0.225 χ^2/NDF : 626306.6/49

asym_atl_dd_correction_mean vs Slug



Right In: 560.046 $\pm$ 675.169 χ^2 /NDF: 23.2/22

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

Right Out: -123.559 $\pm$ 352.196 χ^2 /NDF: 38.0/26

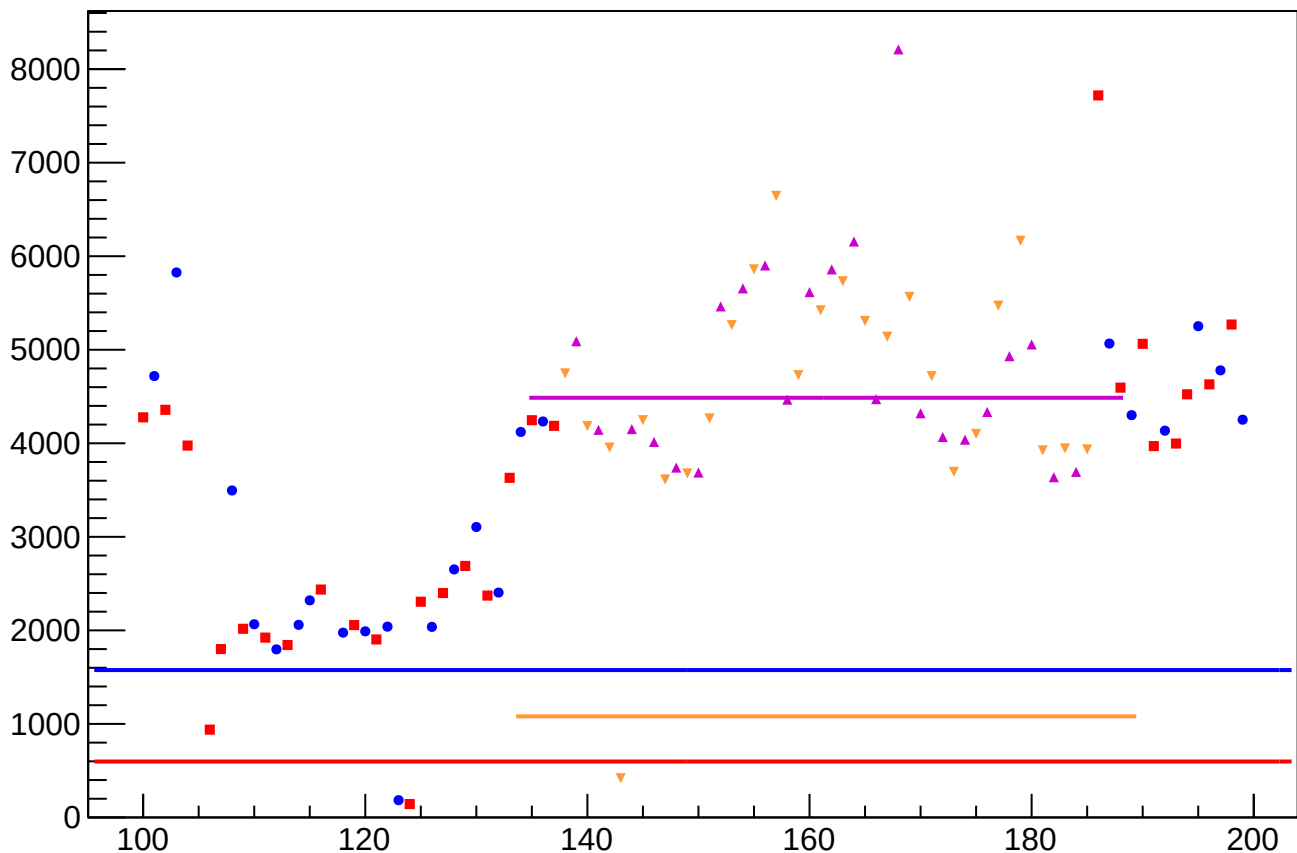
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 477.358 $\pm$ 368.827 χ^2 /NDF: 57.2/47

All: 159.219 $\pm$ 248.091 χ^2 /NDF: 109.9/97

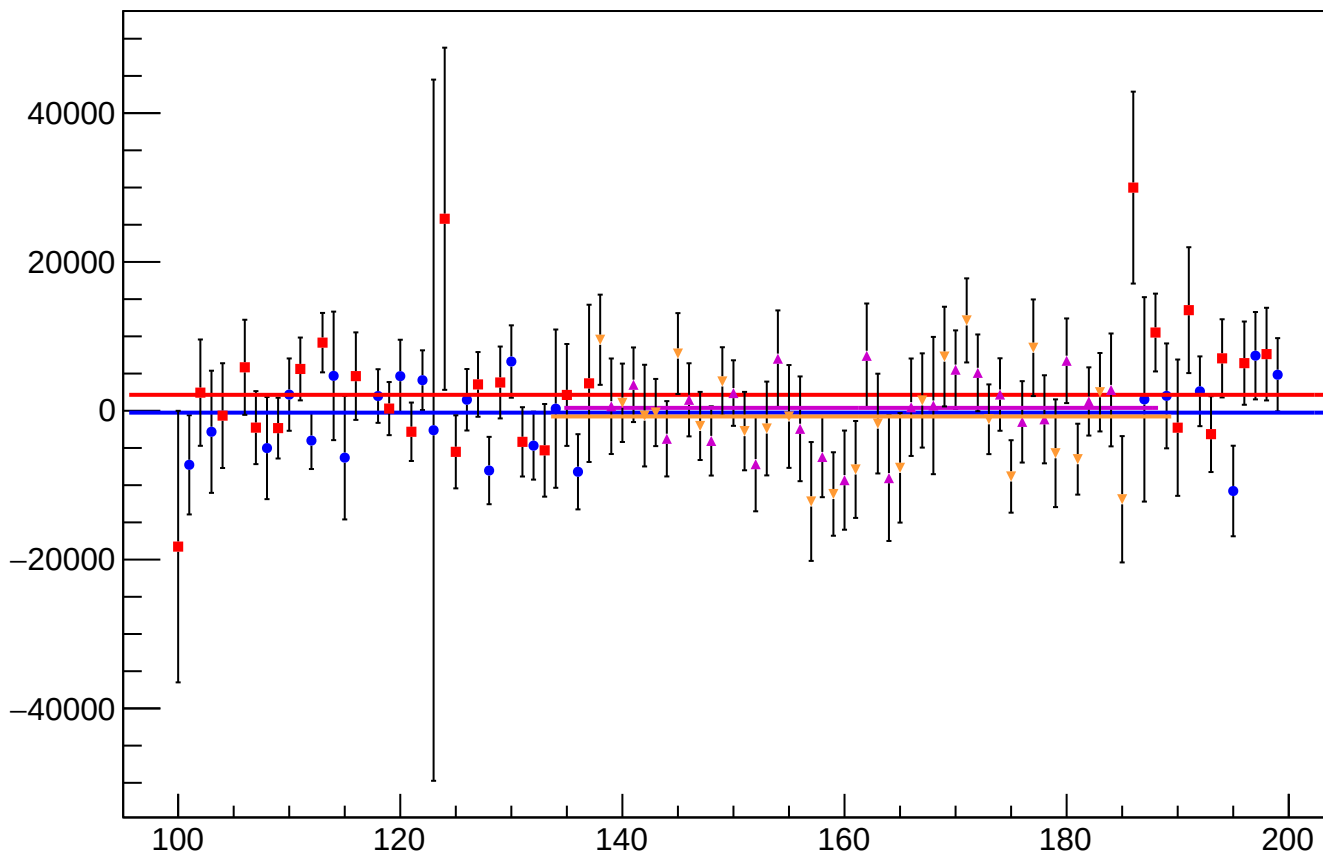
- sign -103.671 $\pm$ 335.276 χ^2 /NDF: 51.4/49

asym_atl_dd_correction_rms vs Slug



Right In: 1575.531+/-0.477	χ^2/NDF : 10168807.4/22	+ sign 1228.578+/-0.261	χ^2/NDF : 35377828.4/47
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1083.028+/-0.175	χ^2/NDF : 77948264.7/9
Right Out: 598.099+/-0.249	χ^2/NDF : 17957577.8/26	- sign 962.755+/-0.237	χ^2/NDF : 42001595.9/49
Left In: 4486.570+/-0.774	χ^2/NDF : 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -252.678 ± 1123.215 χ^2/NDF : 21.1/22

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

Right Out: 2142.779 ± 1052.762 χ^2/NDF : 29.1/26

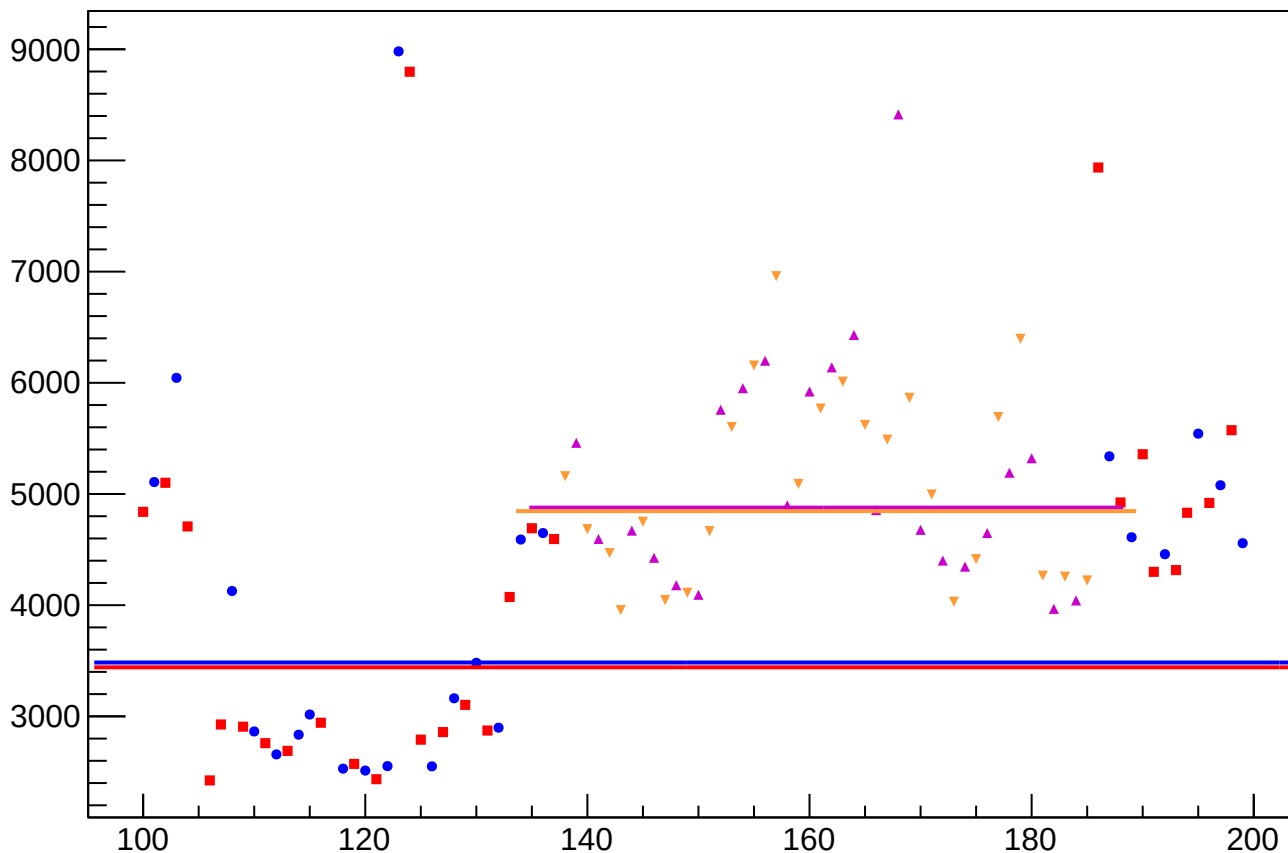
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -503.882 ± 802.637 χ^2/NDF : 51.2/47

All: 451.045 ± 562.090 χ^2/NDF : 98.5/97

- sign 1370.090 ± 787.413 χ^2/NDF : 44.5/49

asym_atl_dd_rms vs Slug



Right In: 3484.269+/-0.794 χ^2/NDF : 1747513.4/22

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

Right Out: 3440.995+/-0.737 χ^2/NDF : 2131465.0/26

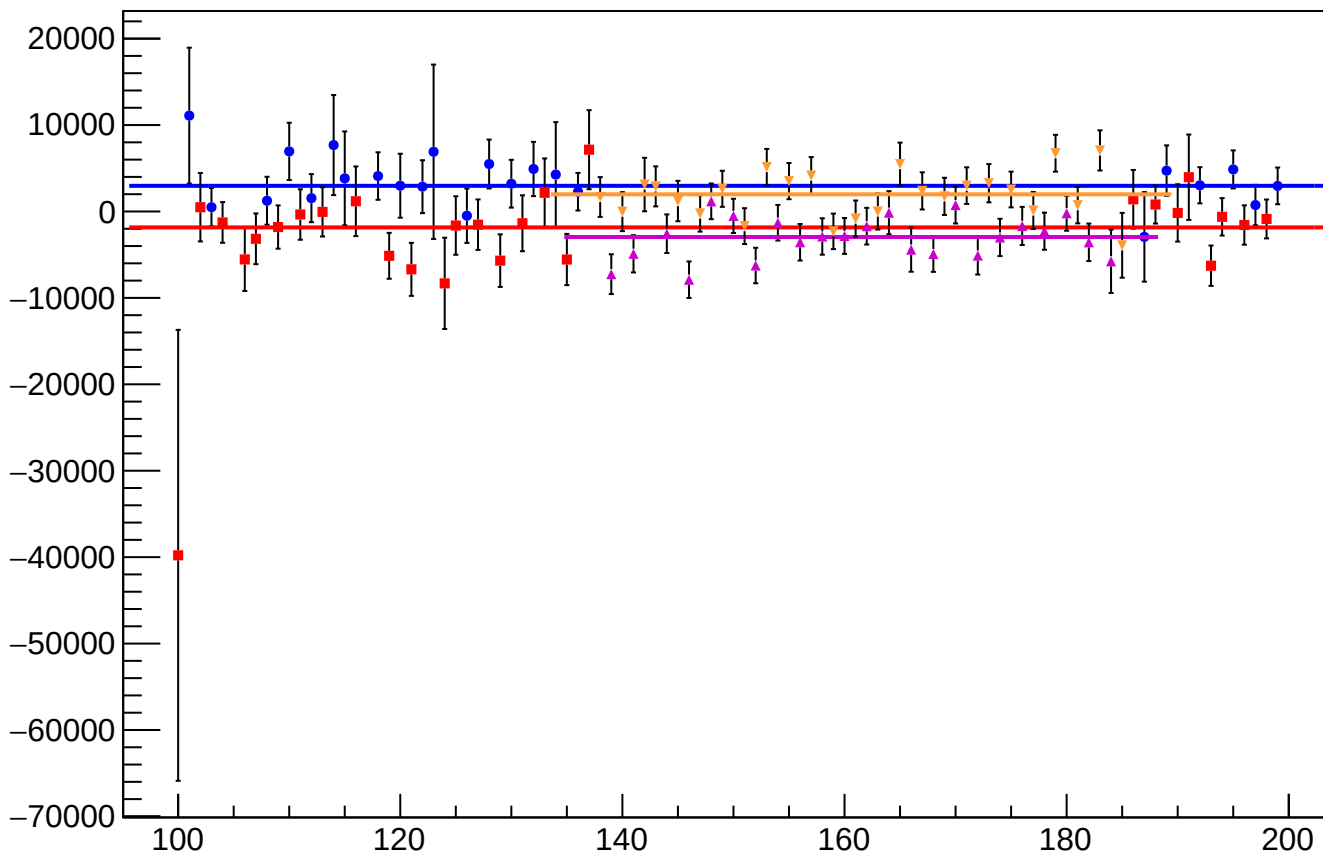
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4150.538+/-0.568 χ^2/NDF : 4094750.2/47

All: 4107.696+/-0.396 χ^2/NDF : 8850623.1/97

- sign 4066.915+/-0.554 χ^2/NDF : 4744750.7/49

reg_asym_atr_avg_mean vs Slug



Right In: 2967.612 $\pm$ 614.613 χ^2 /NDF: 11.3/22

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

Right Out: -1843.432 $\pm$ 574.761 χ^2 /NDF: 26.7/26

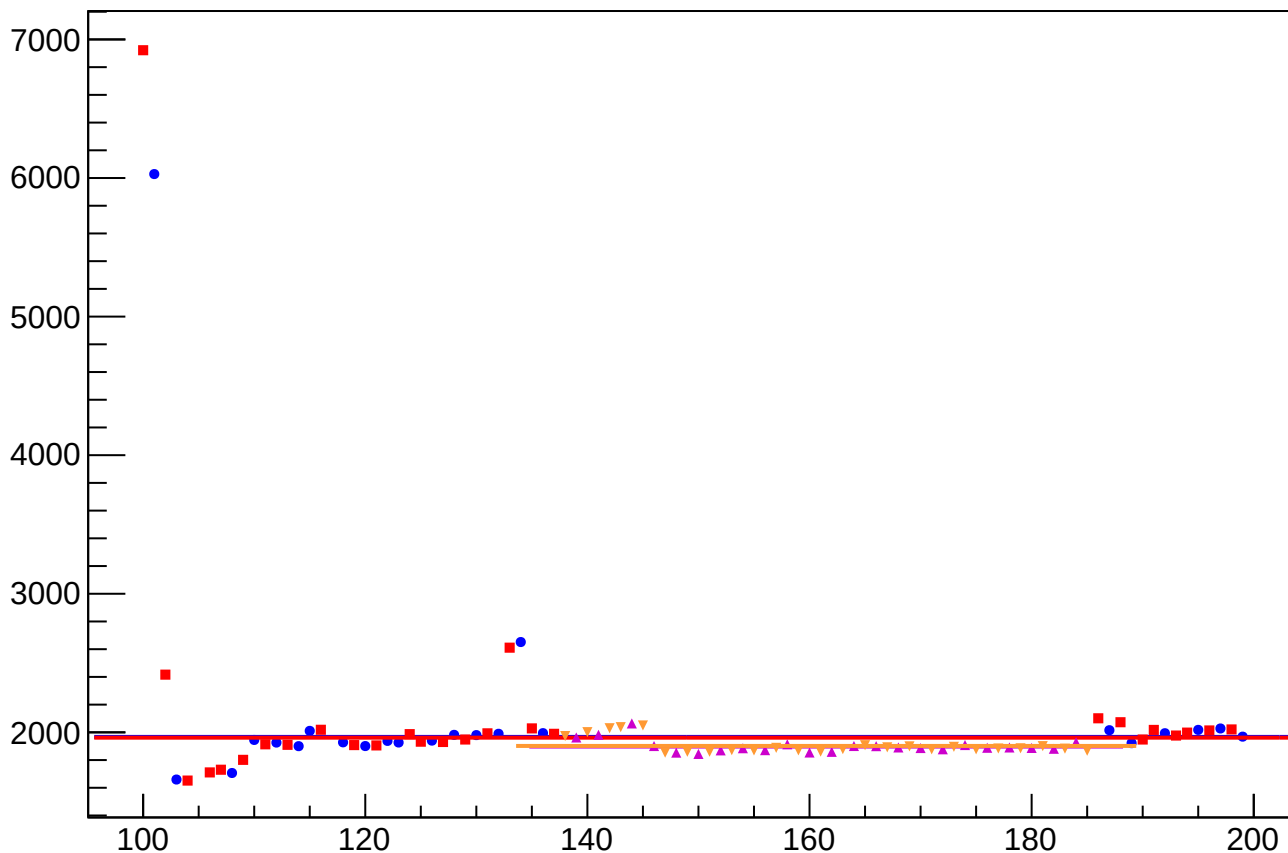
Left In: -2955.900 $\pm$ 454.551 χ^2 /NDF: 28.4/22

+ sign 2321.451 $\pm$ 359.478 χ^2 /NDF: 45.4/47

All: -123.162 $\pm$ 253.141 χ^2 /NDF: 194.6/97

- sign -2527.840 $\pm$ 356.530 χ^2 /NDF: 57.5/49

reg_asym_atr_avg_rms vs Slug



Right In: 1967.016 $\pm$ 0.435 χ^2 /NDF: 621521.4/22

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

Right Out: 1961.559 $\pm$ 0.406 χ^2 /NDF: 234517.2/26

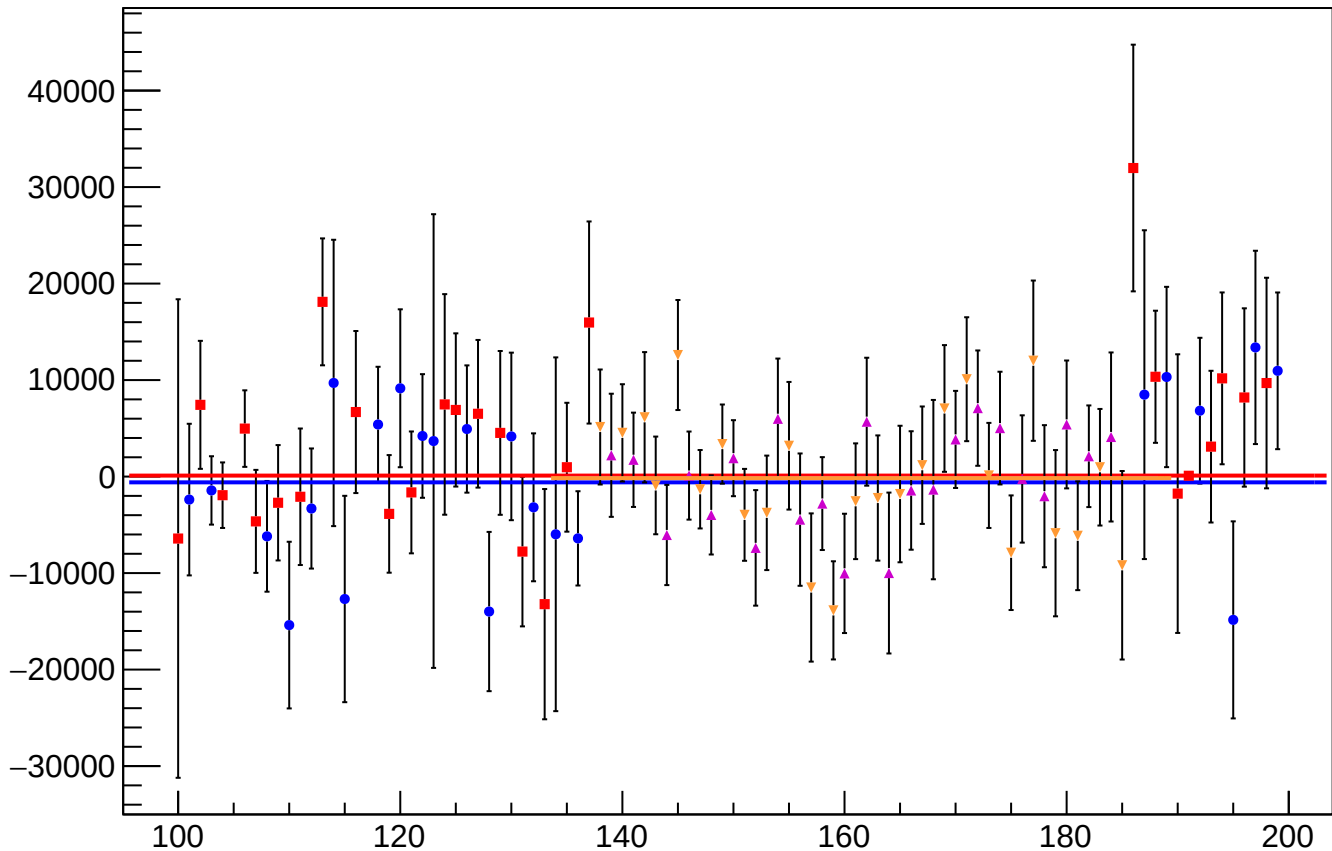
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF: 21180.1/22

+ sign 1924.165 $\pm$ 0.254 χ^2 /NDF: 666745.4/47

All: 1923.156 $\pm$ 0.179 χ^2 /NDF: 937805.9/97

- sign 1922.165 $\pm$ 0.252 χ^2 /NDF: 271029.3/49

asym_atr_avg_correction_mean vs Slug



Right In: -597.883 ± 1528.775 χ^2/NDF : 22.7/22

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

Right Out: 102.240 ± 109.593 χ^2/NDF : 31.1/26

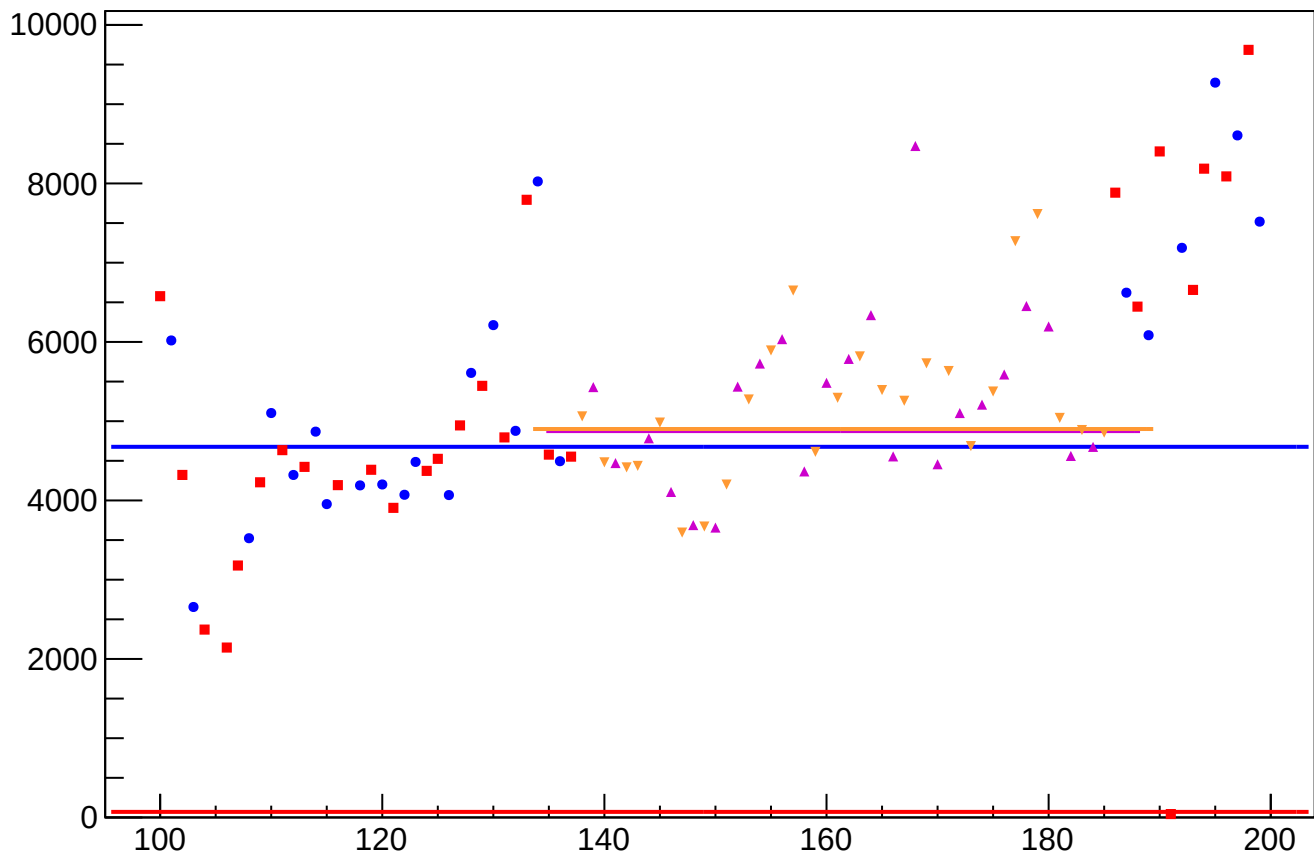
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -319.459 ± 927.039 χ^2/NDF : 52.3/47

All: 94.477 ± 108.383 χ^2/NDF : 98.3/97

- sign 100.214 ± 109.131 χ^2/NDF : 45.8/49

asym_atr_avg_correction_rms vs Slug



Right In: 4676.790+/-1.081 χ^2/NDF : 2275257.0/22

Left Out: 4901.357+/-0.824 χ^2/NDF : 1136916.0/24

Right Out: 70.314+/-0.077 χ^2/NDF : 22788978.2/26

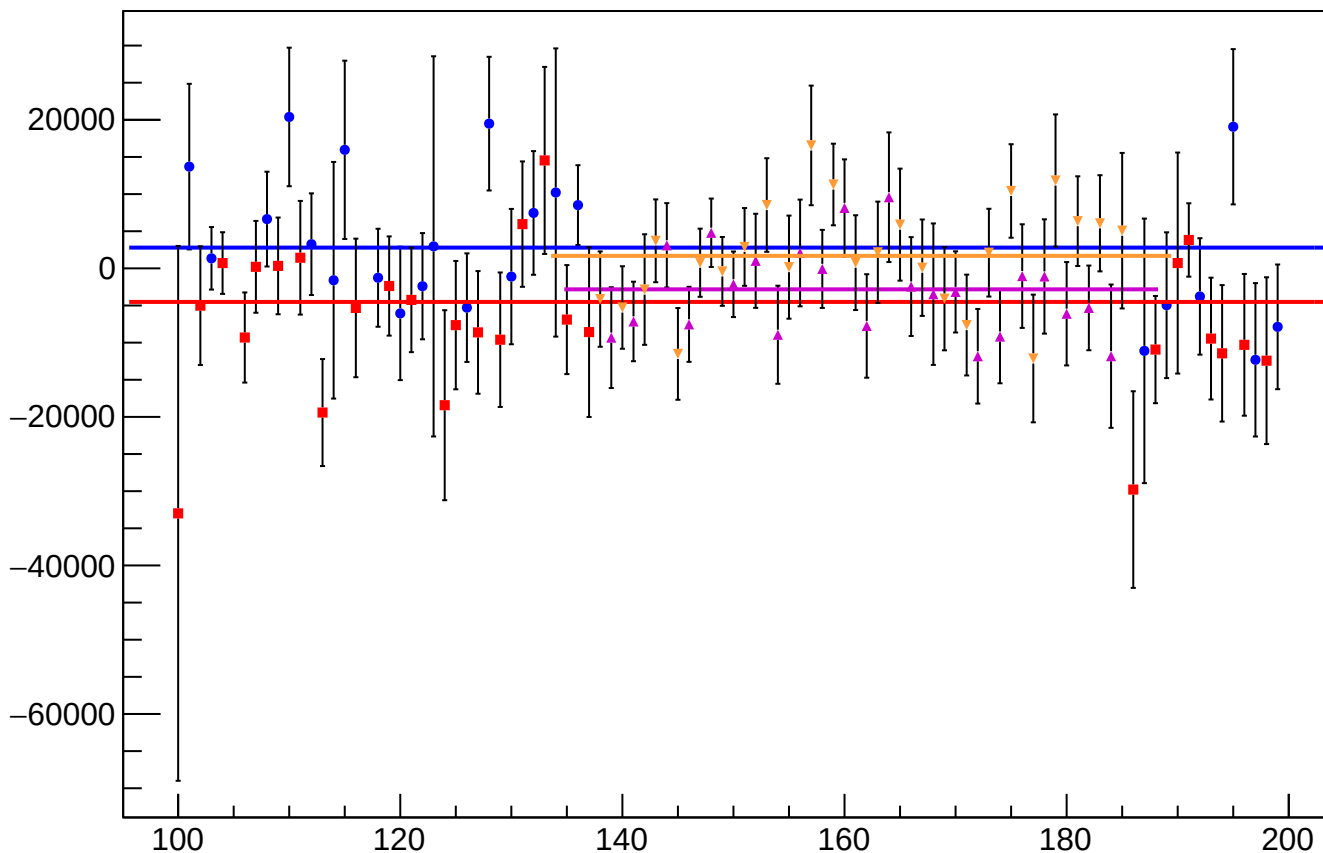
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4818.781+/-0.656 χ^2/NDF : 3439459.5/47

All: 175.016+/-0.077 χ^2/NDF : 110621284.6/5

- sign 110.662+/-0.077 χ^2/NDF : 56301266.5/49

asym_atr_avg_mean vs Slug



Right In: 2794.552 $\pm$ 1698.616 χ^2 /NDF: 22.7/22

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

Right Out: -4519.109 $\pm$ 1489.492 χ^2 /NDF: 24.1/26

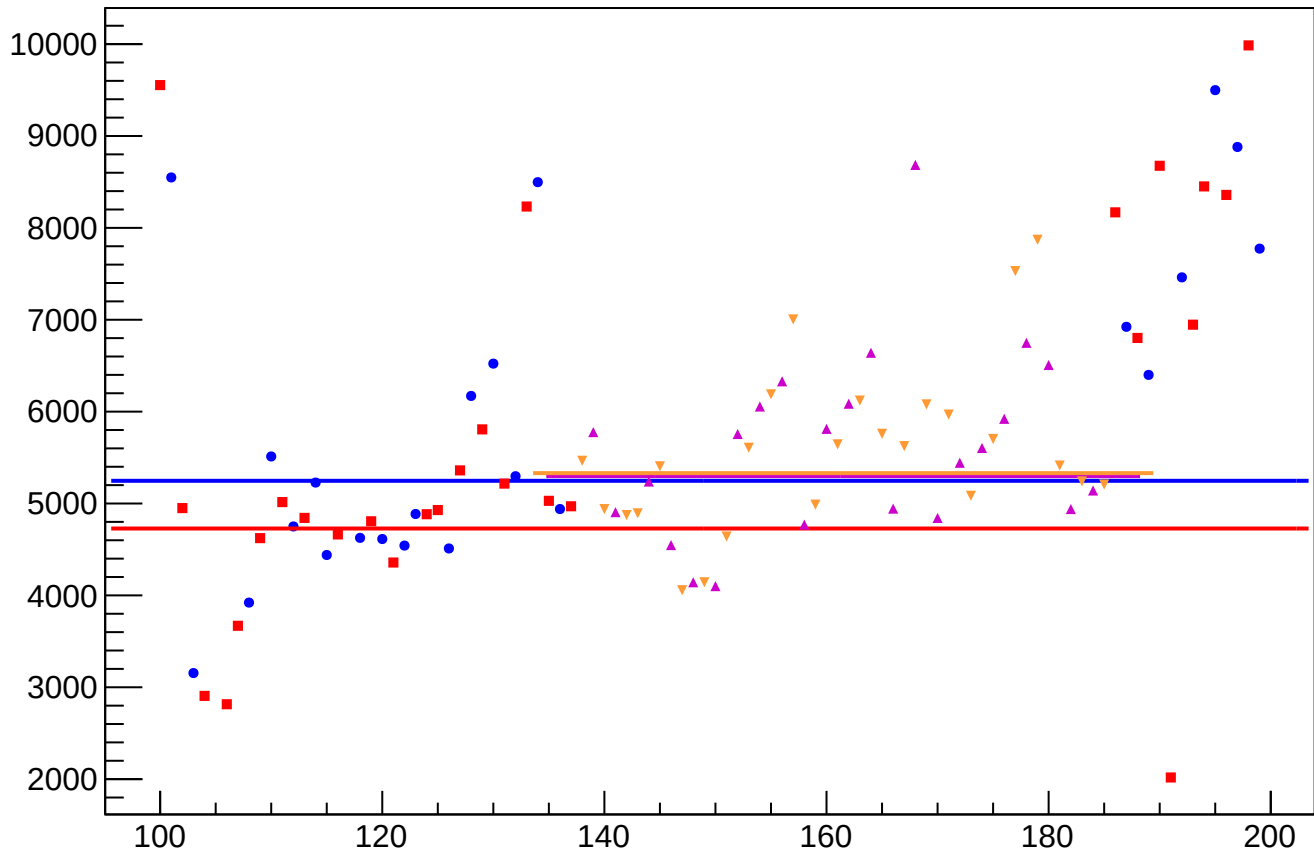
Left In: -2824.078 $\pm$ 1288.414 χ^2 /NDF: 18.0/22

+ sign 2080.474 $\pm$ 1012.833 χ^2 /NDF: 48.4/47

All: -843.253 $\pm$ 702.215 χ^2 /NDF: 107.3/97

- sign -3549.539 $\pm$ 974.443 χ^2 /NDF: 42.9/49

asym_atr_avg_rms vs Slug



Right In: 5247.087+/-1.201 χ^2/NDF : 1932638.5/22

Left Out: 5330.725+/-0.892 χ^2/NDF : 868061.7/24

Right Out: 4727.948+/-1.049 χ^2/NDF : 3171142.6/26

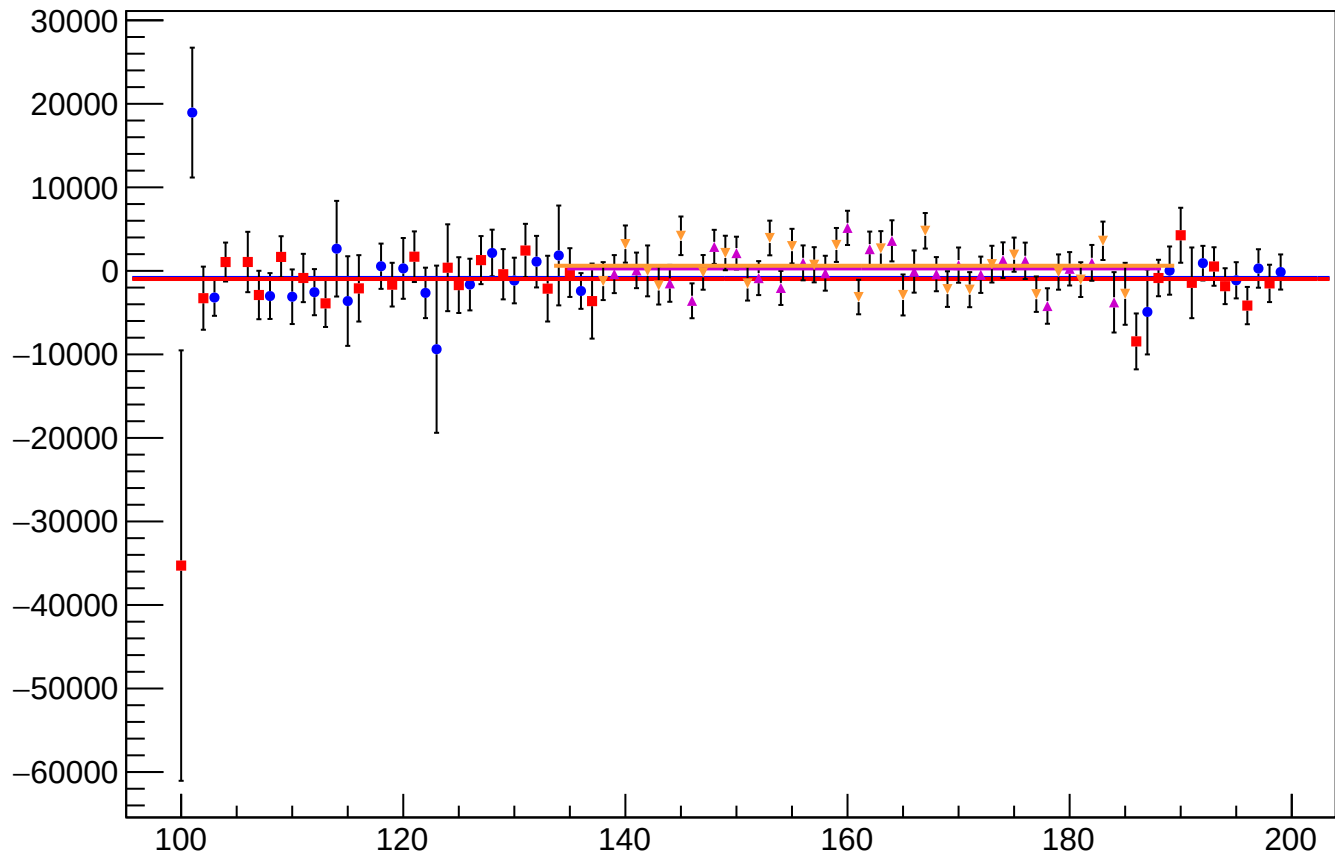
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5300.989+/-0.716 χ^2/NDF : 2803825.1/47

All: 5171.977+/-0.496 χ^2/NDF : 7161954.3/97

- sign 5053.002+/-0.688 χ^2/NDF : 4295753.9/49

reg_asym_atr_dd_mean vs Slug



Right In: -847.442 ± 606.704 χ^2/NDF : 15.4/22

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

Right Out: -974.475 ± 566.423 χ^2/NDF : 19.4/26

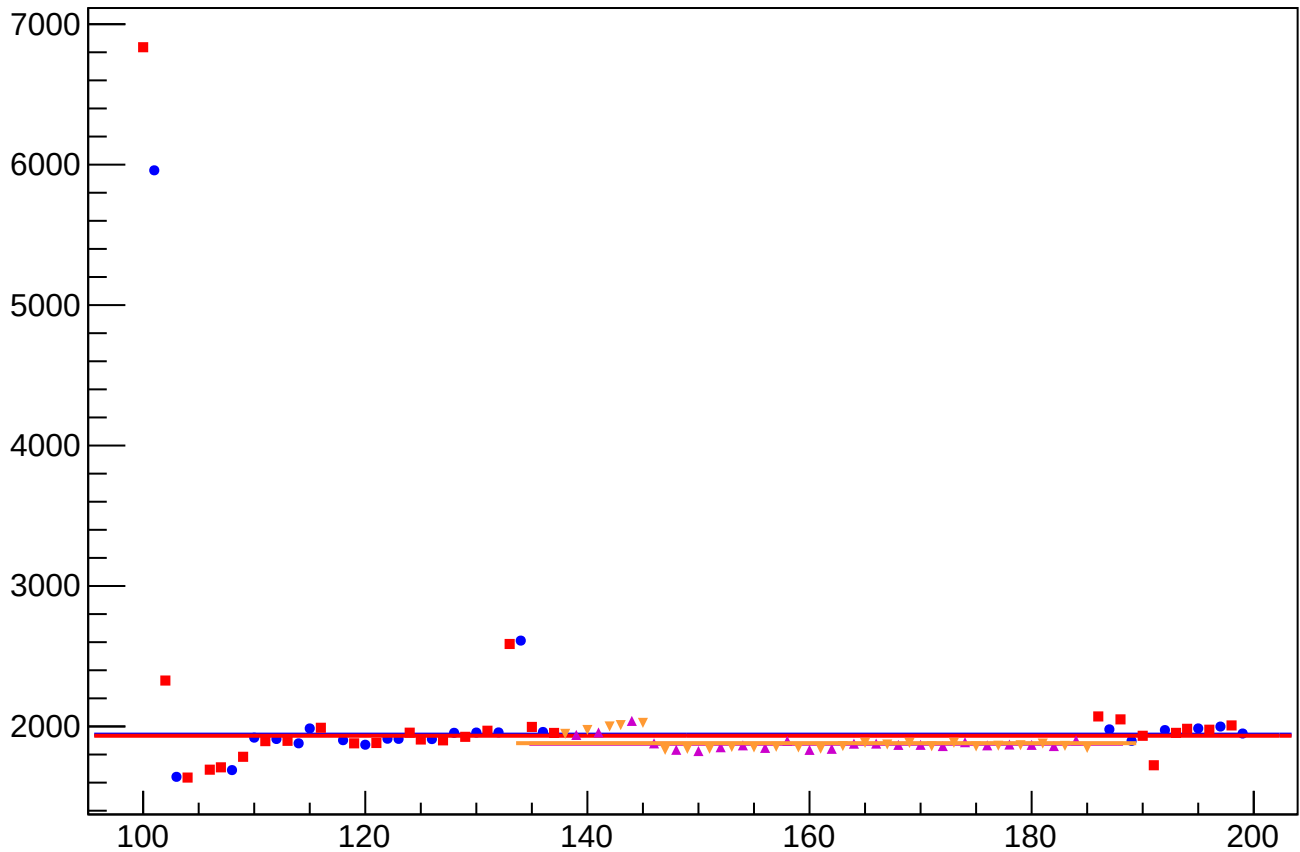
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign 111.778 ± 355.267 χ^2/NDF : 51.9/47

All: -43.909 ± 250.098 χ^2/NDF : 98.4/97

- sign -196.866 ± 352.137 χ^2/NDF : 46.1/49

reg_asym_atr_dd_rms vs Slug



Right In: 1941.799 $\pm$ 0.429 χ^2 /NDF: 619853.2/22

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1933.743 $\pm$ 0.400 χ^2 /NDF: 233351.8/26

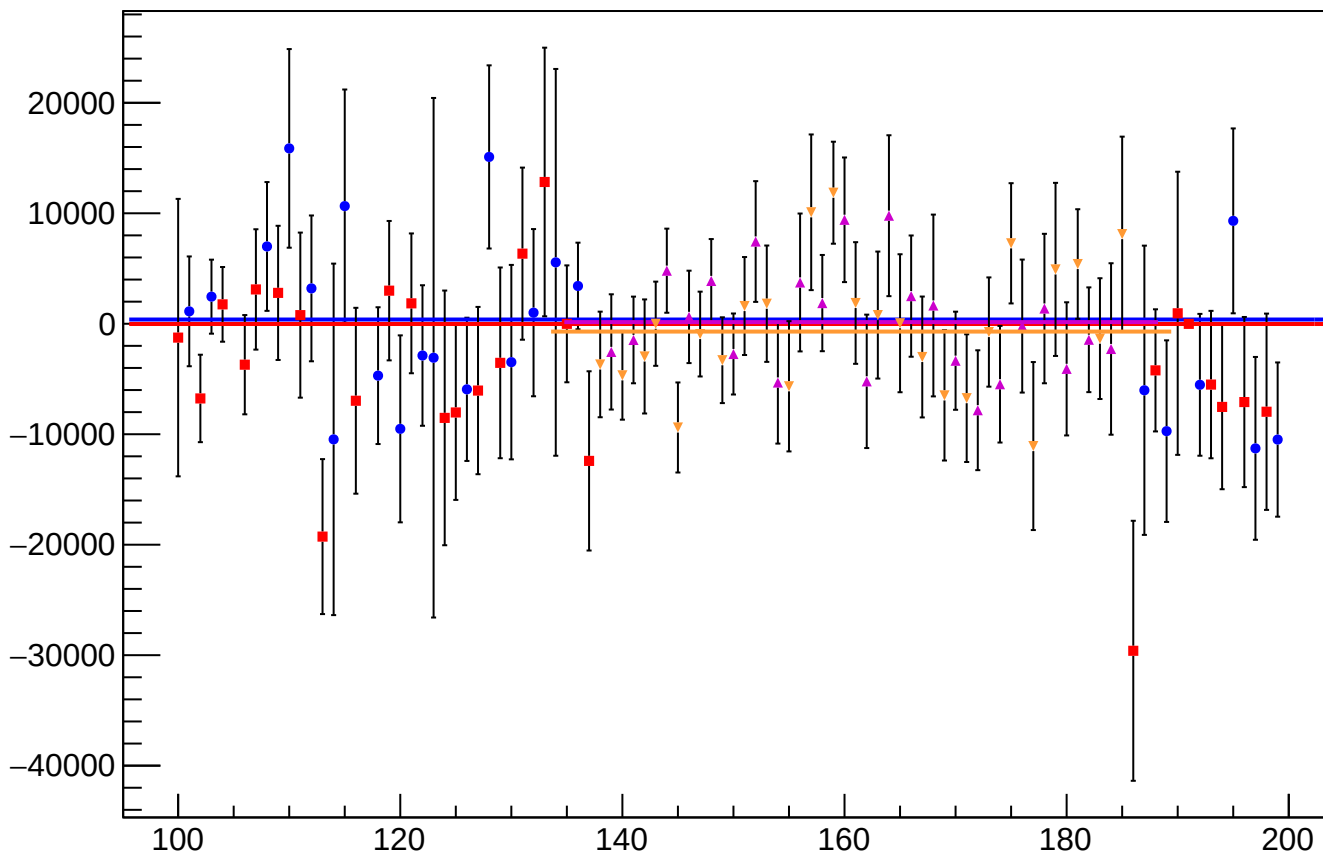
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1901.721 $\pm$ 0.251 χ^2 /NDF: 661789.8/47

All: 1900.234 $\pm$ 0.177 χ^2 /NDF: 928182.7/97

- sign 1898.775 $\pm$ 0.249 χ^2 /NDF: 266323.4/49

asym_atr_dd_correction_mean vs Slug



Right In: 383.992 ± 1406.863 $\chi^2/\text{NDF}: 21.7/22$

Left Out: -707.785 ± 1017.719 $\chi^2/\text{NDF}: 27.1/24$

Right Out: -22.400 ± 85.819 $\chi^2/\text{NDF}: 29.7/26$

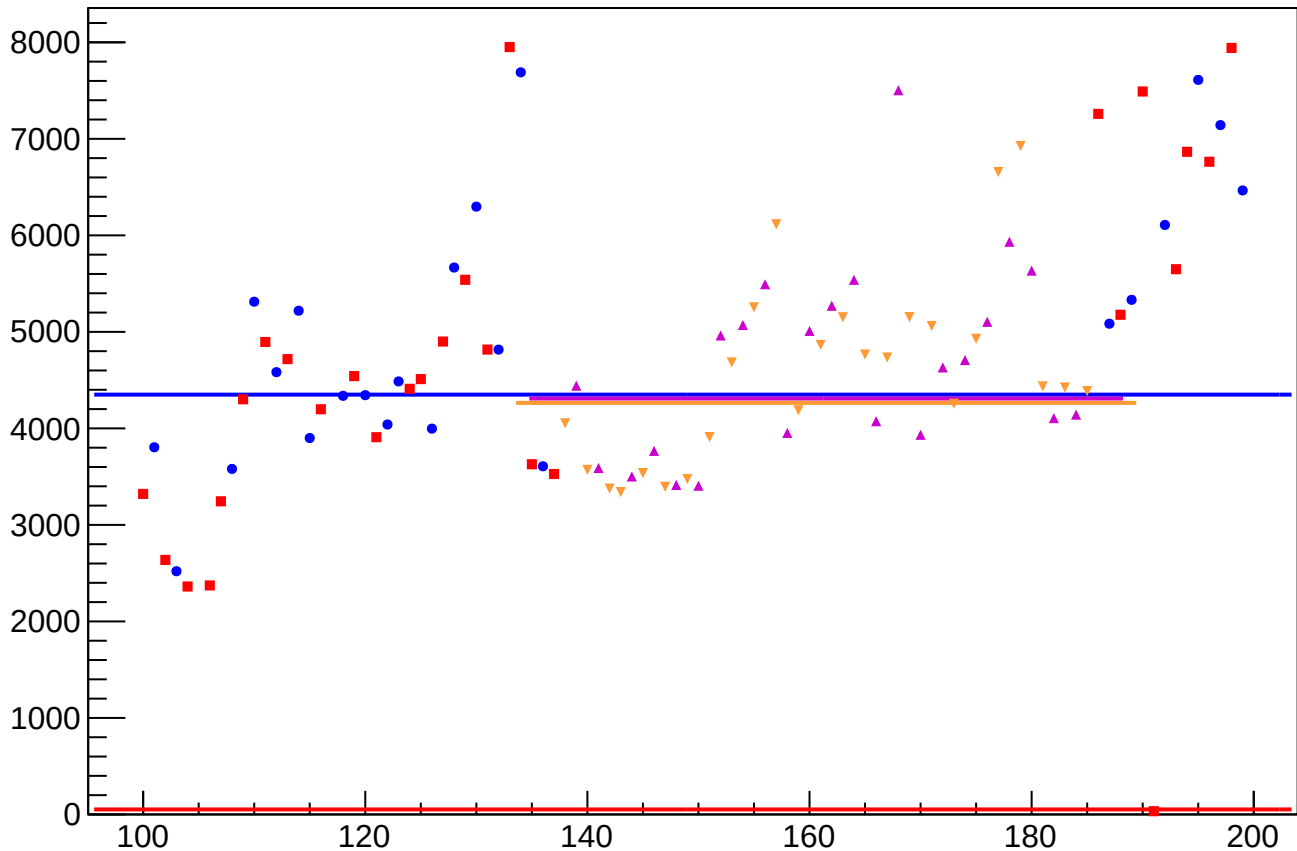
Left In: 150.495 ± 1053.655 $\chi^2/\text{NDF}: 16.9/22$

+ sign -332.726 ± 824.584 $\chi^2/\text{NDF}: 49.2/47$

All: -24.576 ± 85.079 $\chi^2/\text{NDF}: 96.0/97$

- sign -21.261 ± 85.536 $\chi^2/\text{NDF}: 46.6/49$

asym_atr_dd_correction_rms vs Slug



Right In: 4349.754+/-0.995 χ^2/NDF : 1901930.9/22

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 52.041+/-0.061 χ^2/NDF : 22922087.6/26

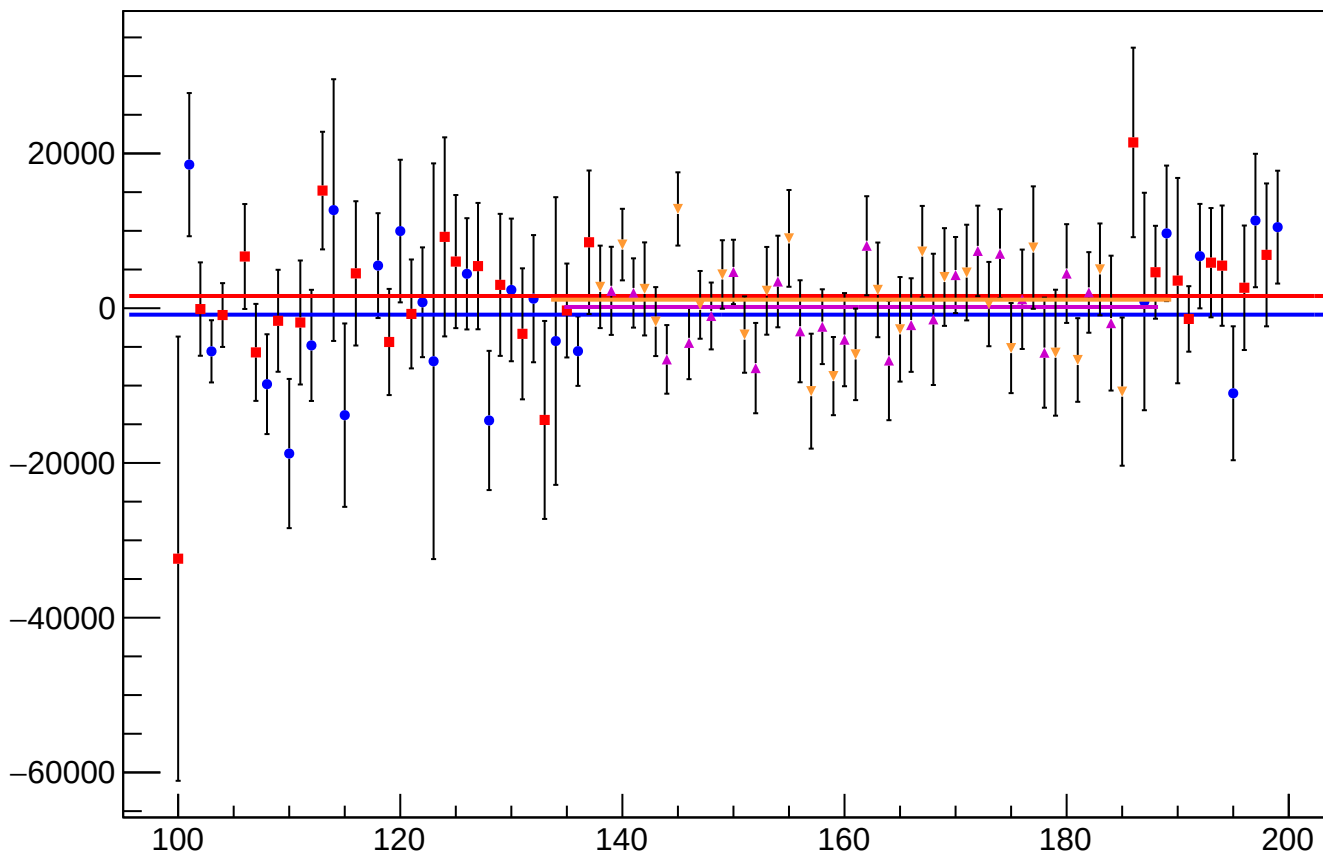
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4293.743+/-0.583 χ^2/NDF : 3261660.7/47

All: 124.953+/-0.060 χ^2/NDF : 111589205.6/9

- sign 80.095+/-0.060 χ^2/NDF : 56658741.0/49

asym_atr_dd_mean vs Slug



Right In: -834.139 ± 1601.799 χ^2/NDF : 28.3/22

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1580.111 ± 1402.399 χ^2/NDF : 16.1/26

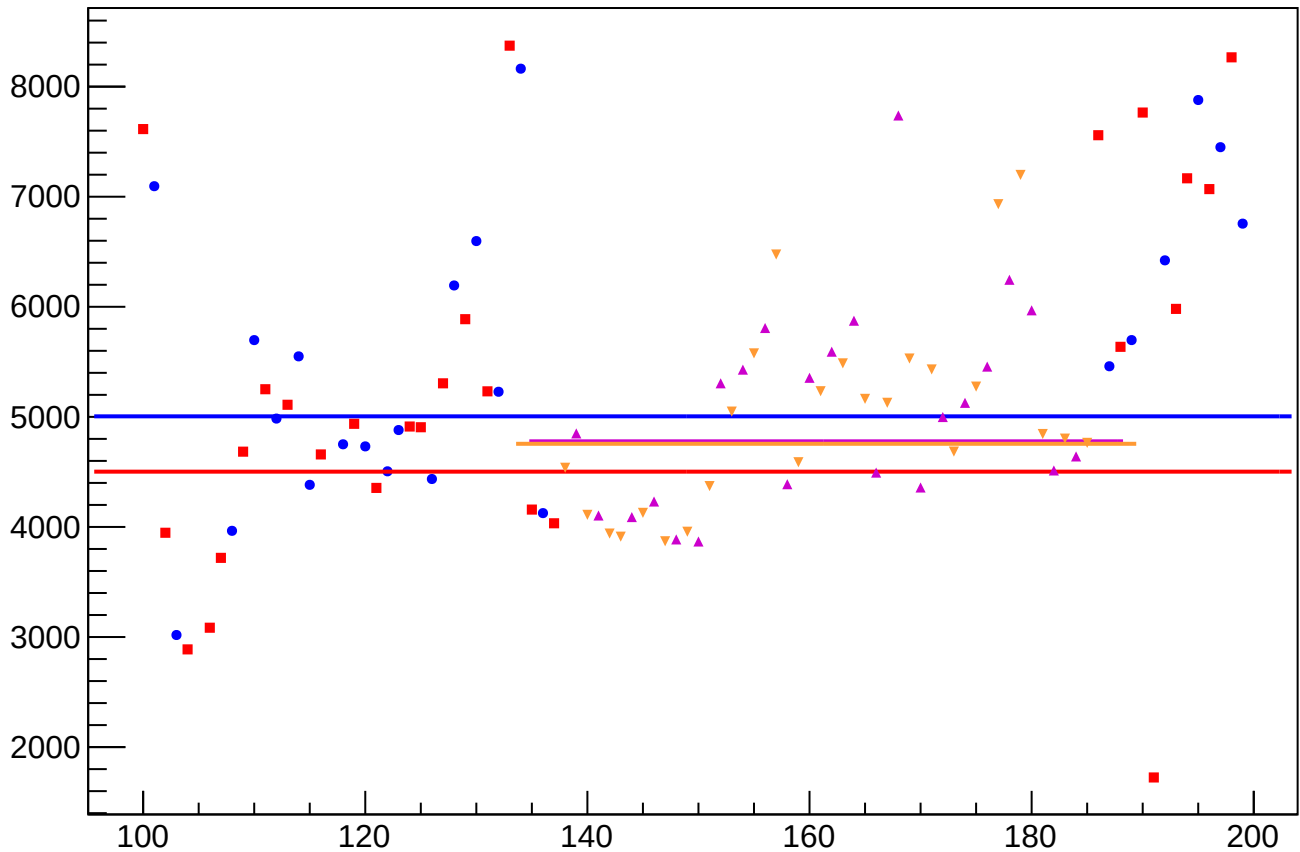
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 461.304 ± 921.536 χ^2/NDF : 57.9/47

All: 603.258 ± 641.865 χ^2/NDF : 90.2/97

- sign 737.016 ± 894.536 χ^2/NDF : 32.3/49

asym_atr_dd_rms vs Slug



Right In: 5004.834+/-1.133 χ^2/NDF : 1517217.0/22

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

Right Out: 4502.311+/-0.988 χ^2/NDF : 2840088.2/26

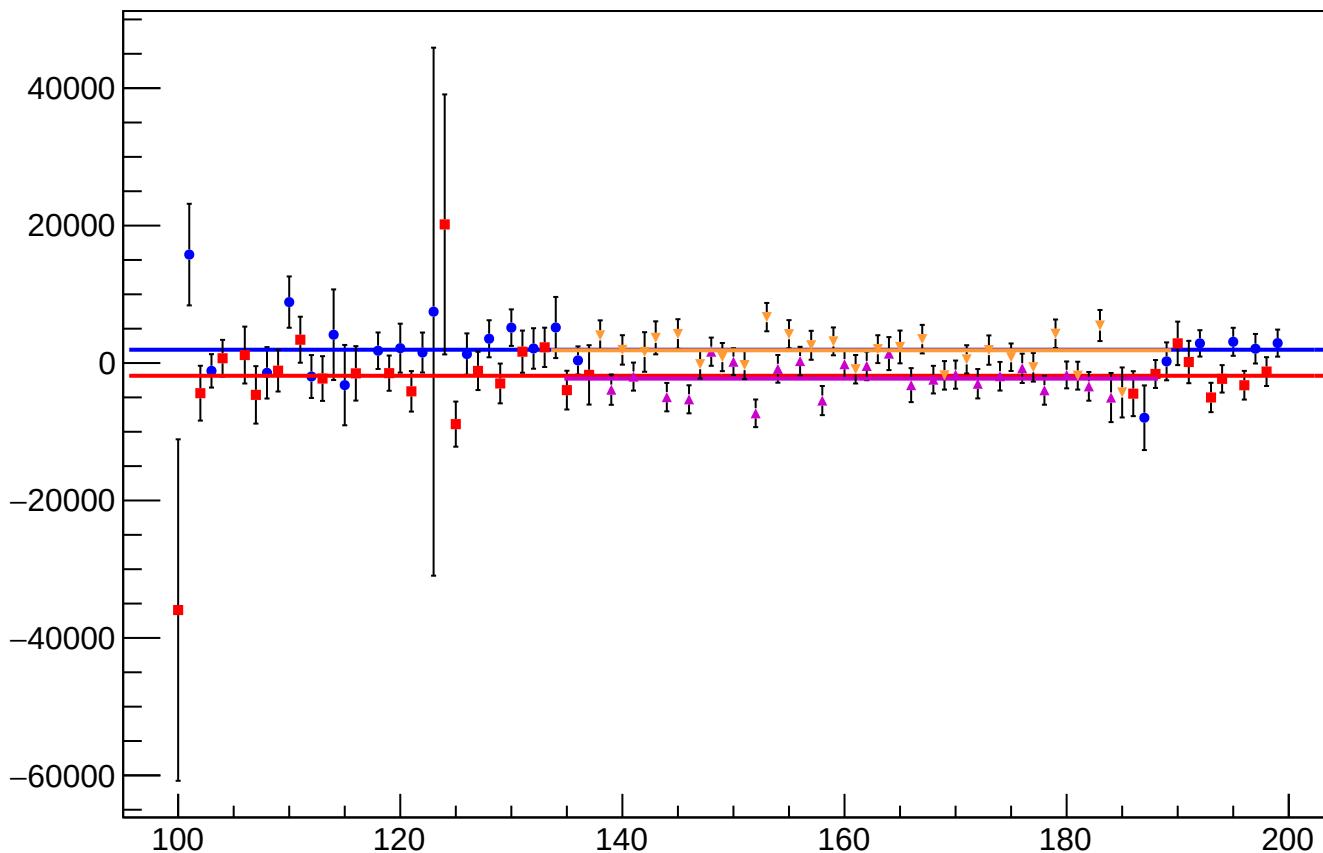
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4837.948+/-0.652 χ^2/NDF : 2502995.4/47

All: 4748.882+/-0.454 χ^2/NDF : 6375601.2/97

- sign 4665.220+/-0.632 χ^2/NDF : 3836375.0/49

reg_asym_at1_avg_mean vs Slug



Right In: 1937.266 $\pm$ 599.532 χ^2 /NDF: 20.4/22

Left Out: 1856.570 $\pm$ 430.977 χ^2 /NDF:30.0/24

Right Out: -1853.658 $\pm$ 562.142 χ^2 /NDF: 23.5/26

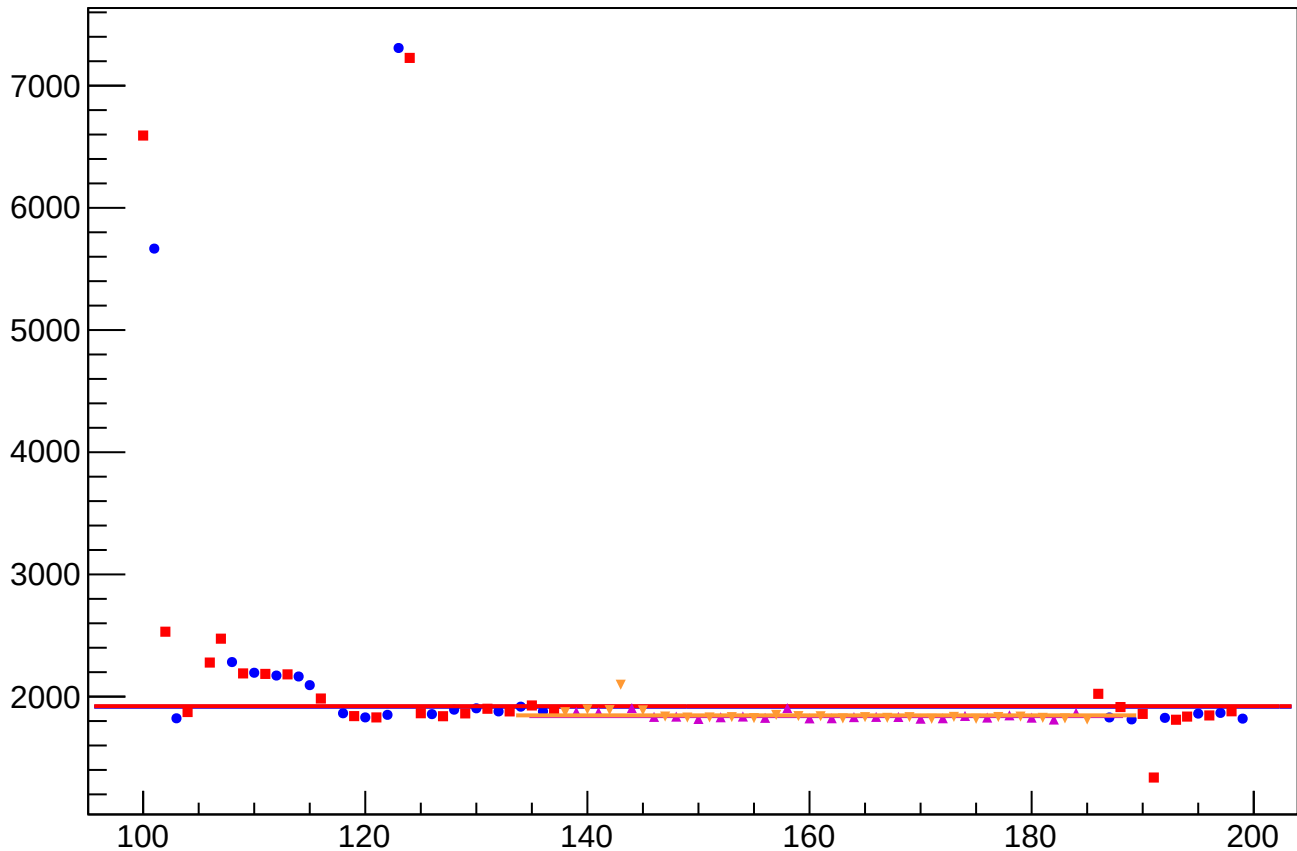
Left In: -2268.464 $\pm$ 441.710 χ^2 /NDF:26.9/22

+ sign 1884.063 $\pm$ 349.942 χ^2 /NDF: 50.4/47

All: -128.067 $\pm$ 246.513 χ^2 /NDF: 166.7/97

- sign -2110.119 $\pm$ 347.317 χ^2 /NDF: 50.7/49

reg_asym_at1_avg_rms vs Slug



Right In: 1917.142 $\pm$ 0.424 χ^2 /NDF: 625788.0/22

Left Out: 1846.602 $\pm$ 0.305 χ^2 /NDF: 27302.8/24

Right Out: 1921.777 $\pm$ 0.397 χ^2 /NDF: 461366.8/26

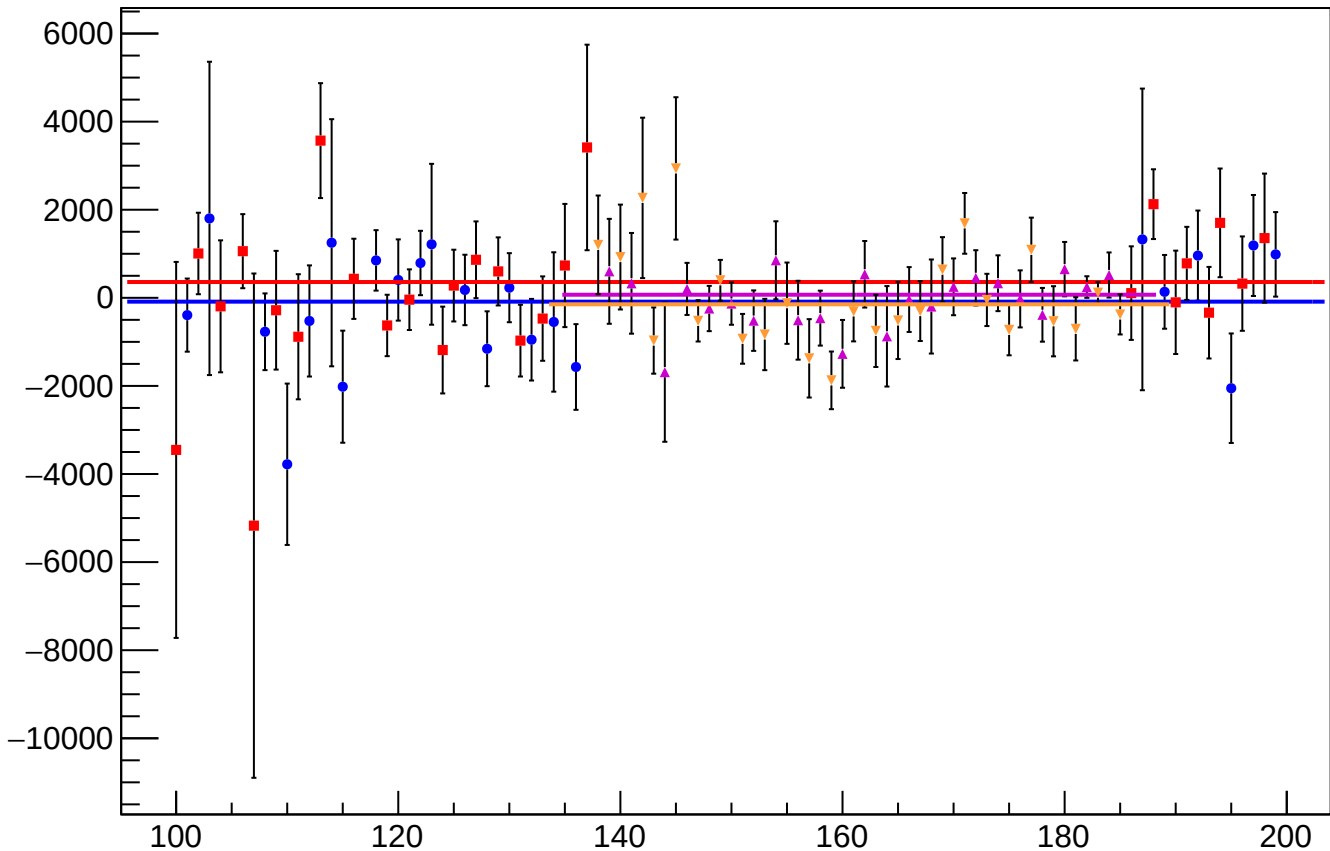
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1870.635 $\pm$ 0.247 χ^2 /NDF: 671345.1/47

All: 1871.097 $\pm$ 0.174 χ^2 /NDF: 1165281.9/97

- sign 1871.552 $\pm$ 0.246 χ^2 /NDF: 493930.0/49

asym_at1_avg_correction_mean vs Slug



Right In: -86.900 $\pm$ 212.485 χ^2 /NDF: 23.3/22

Left Out: -146.999 $\pm$ 121.984 χ^2 /NDF: 37.7/24

Right Out: 358.852 $\pm$ 194.170 χ^2 /NDF: 28.1/26

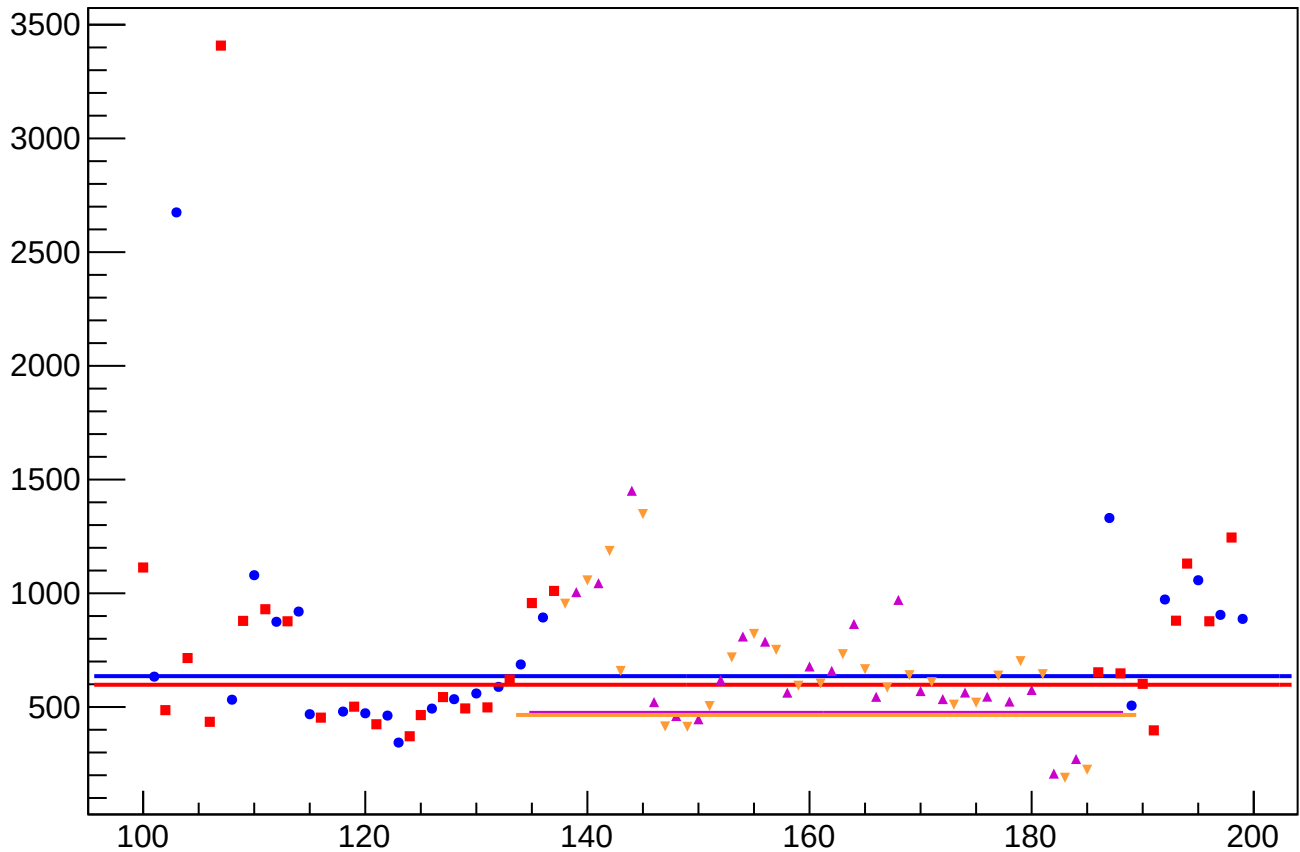
Left In: 70.340 $\pm$ 126.373 χ^2 /NDF: 12.3/22

+ sign -132.102 $\pm$ 105.791 χ^2 /NDF: 61.0/47

All: 11.872 $\pm$ 74.850 χ^2 /NDF: 106.6/97

- sign 156.187 $\pm$ 105.916 χ^2 /NDF: 41.9/49

asym_at1_avg_correction_rms vs Slug



Right In: 635.725+/-0.150 χ^2/NDF : 2343787.9/22

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

Right Out: 597.835+/-0.137 χ^2/NDF : 2737009.4/26

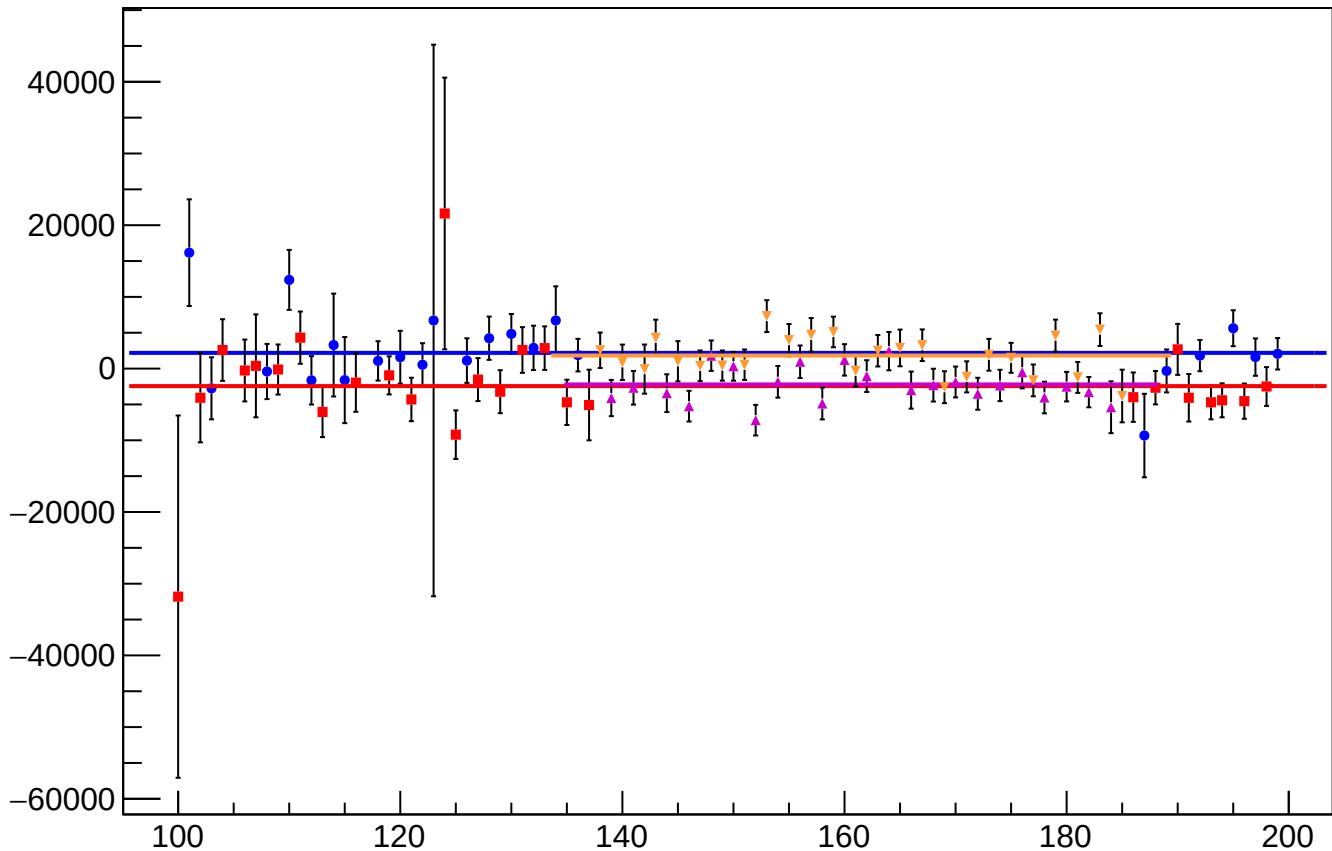
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 507.379+/-0.075 χ^2/NDF : 10400085.8/47

All: 509.203+/-0.053 χ^2/NDF : 19880398.3/97

- sign 511.031+/-0.075 χ^2/NDF : 9479122.0/49

asym_at1_avg_mean vs Slug



Right In: 2193.855 ± 674.228 χ^2/NDF : 22.5/22

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

Right Out: -2439.694 ± 637.504 χ^2/NDF : 25.8/26

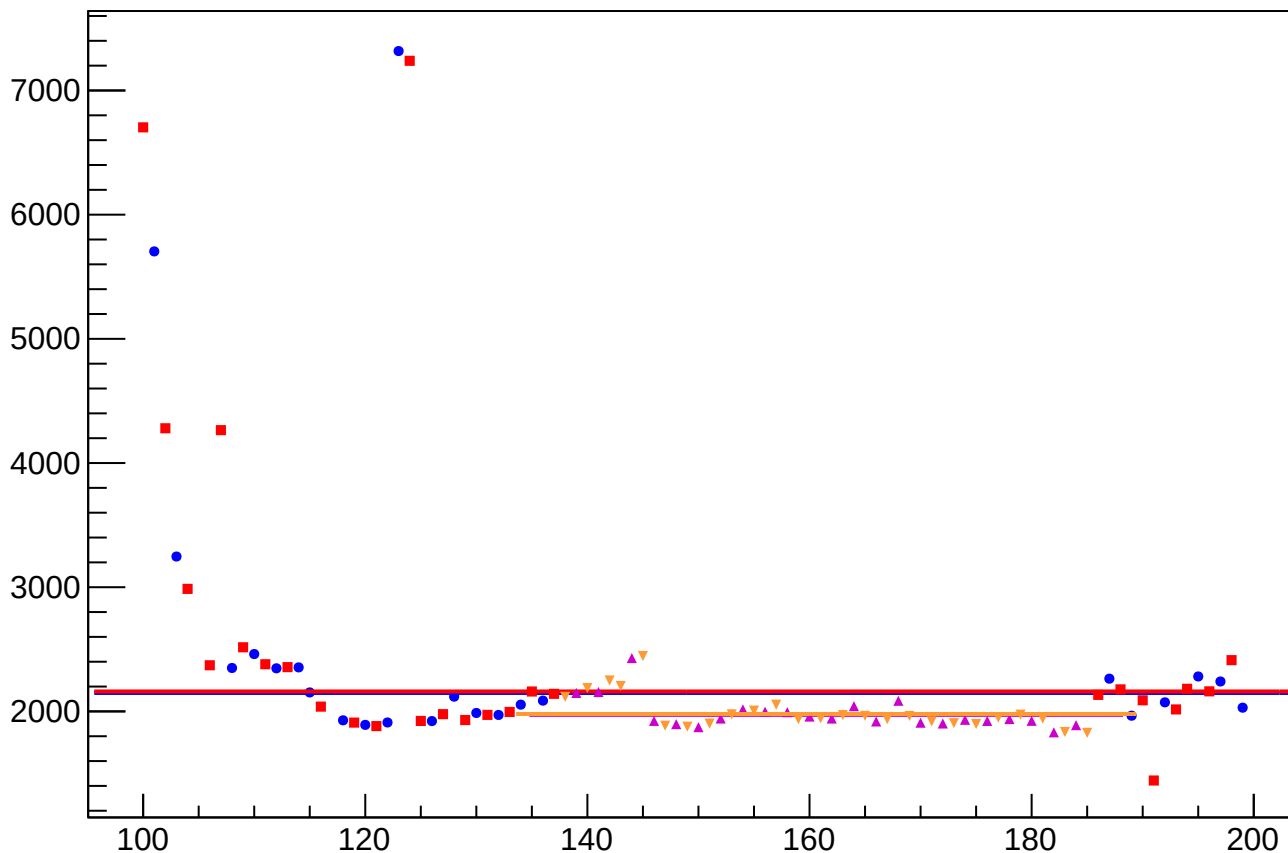
Left In: -2208.114 ± 474.050 χ^2/NDF : 25.3/22

+ sign 1942.460 ± 381.500 χ^2/NDF : 54.8/47

All: -180.141 ± 269.373 χ^2/NDF : 167.8/97

- sign -2290.571 ± 380.405 χ^2/NDF : 51.2/49

asym_at1_avg_rms vs Slug



Right In: 2148.519 ± 0.477 χ^2/NDF : 733201.4/22

Left Out: 1978.997 ± 0.327 χ^2/NDF : 139299.8/24

Right Out: 2160.599 ± 0.451 χ^2/NDF : 923603.8/26

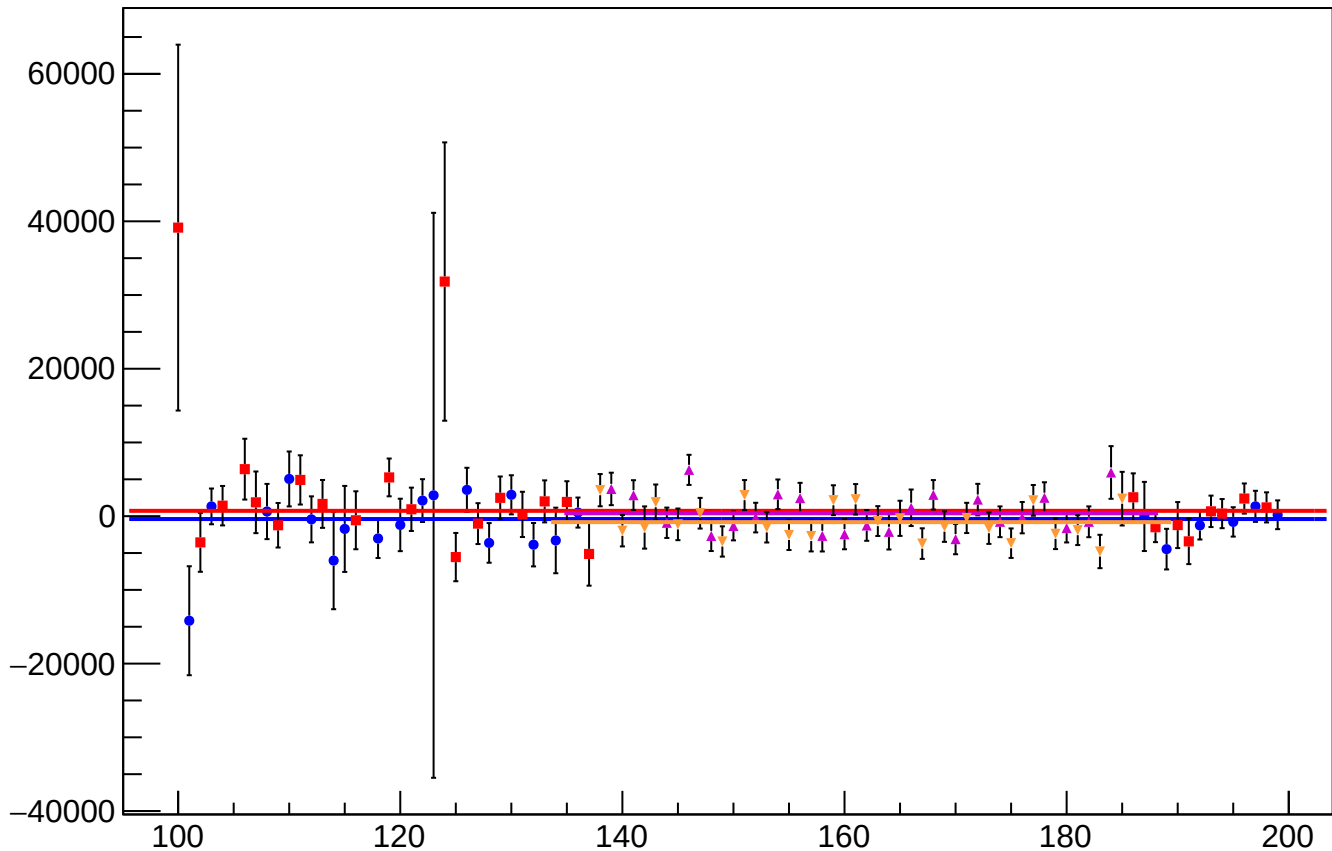
Left In: 1972.166 ± 0.335 χ^2/NDF : 116452.5/22

+ sign 2033.272 ± 0.270 χ^2/NDF : 958455.6/47

All: 2036.275 ± 0.190 χ^2/NDF : 2111277.2/97

- sign 2039.260 ± 0.269 χ^2/NDF : 1152574.5/49

reg_asym_at1_dd_mean vs Slug



Right In: -388.665 ± 596.010 χ^2/NDF : 18.7/22

Left Out: -808.436 ± 430.304 χ^2/NDF : 27.9/24

Right Out: 724.638 ± 558.623 χ^2/NDF : 24.8/26

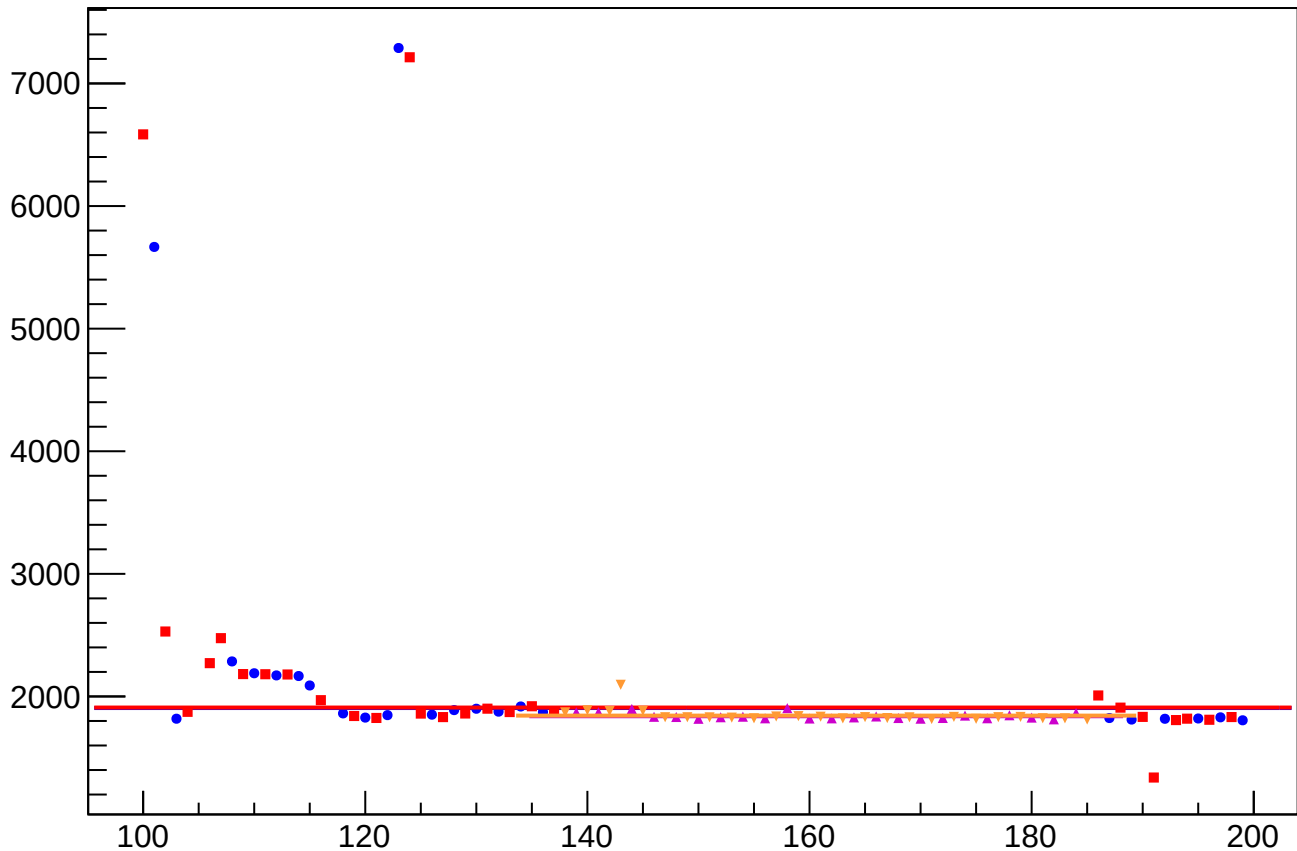
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -664.604 ± 348.879 χ^2/NDF : 47.0/47

All: -65.826 ± 245.763 χ^2/NDF : 112.2/97

- sign 523.987 ± 346.258 χ^2/NDF : 59.4/49

reg_asym_at1_dd_rms vs Slug



Right In: 1905.500+/-0.421 χ^2/NDF : 634113.0/22

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1909.522+/-0.395 χ^2/NDF : 467588.0/26

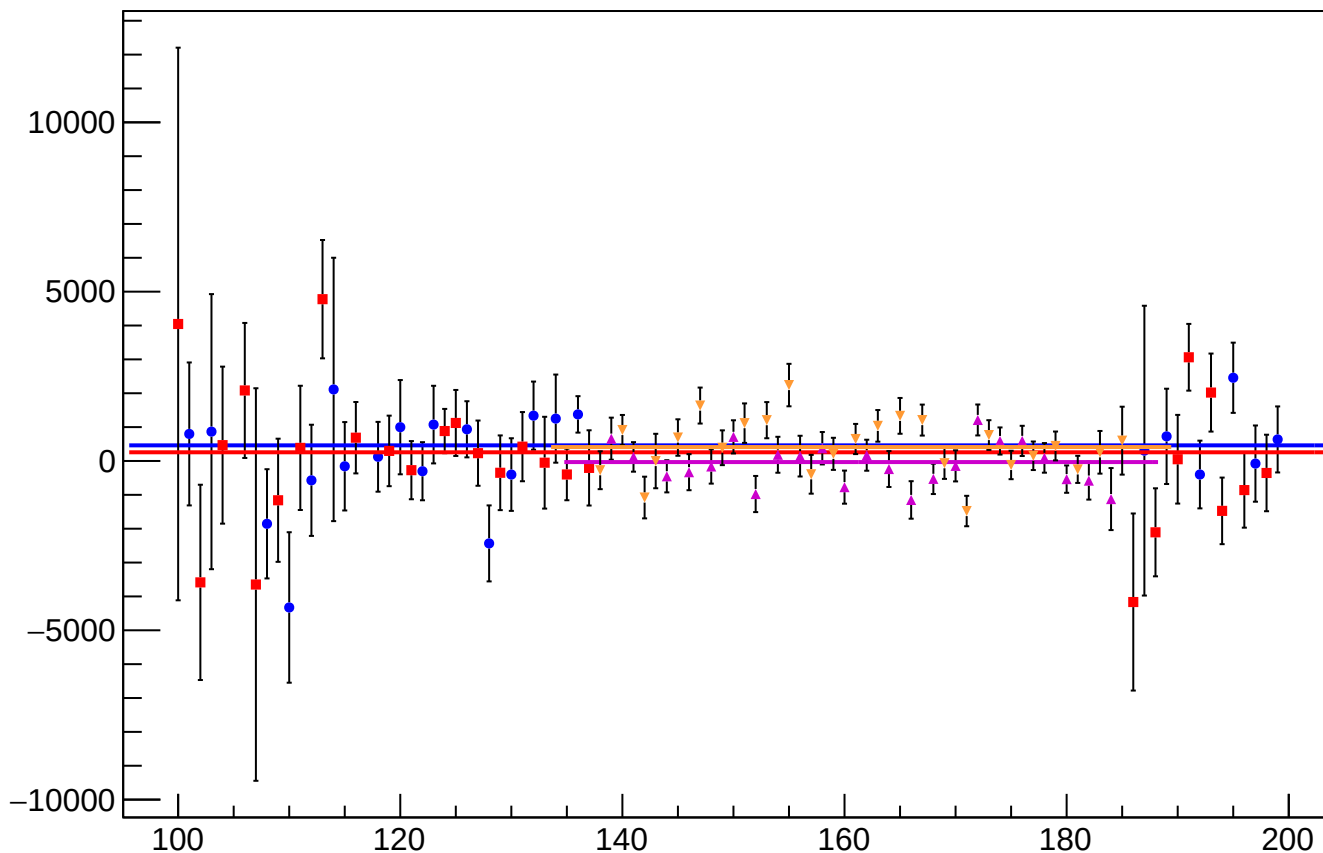
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1864.906+/-0.247 χ^2/NDF : 675094.3/47

All: 1865.384+/-0.174 χ^2/NDF : 1168869.9/97

- sign 1865.855+/-0.245 χ^2/NDF : 493768.1/49

asym_at1_dd_correction_mean vs Slug



Right In: 461.279 ± 235.993 χ^2/NDF : 25.3/22

Left Out: 411.072 ± 100.456 χ^2/NDF : 61.2/24

Right Out: 256.400 ± 224.883 χ^2/NDF : 35.2/26

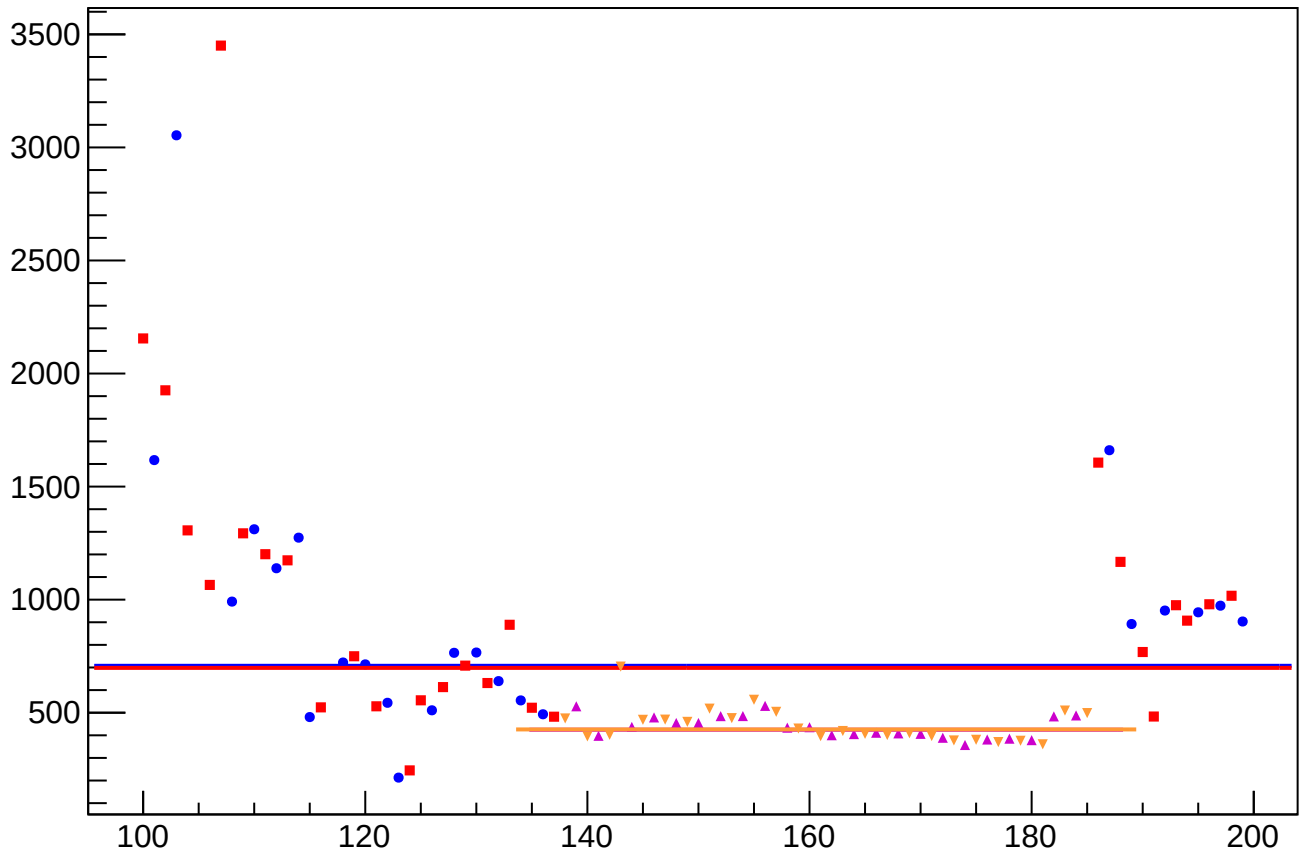
Left In: -32.456 ± 102.403 χ^2/NDF : 32.7/22

+ sign 418.774 ± 92.430 χ^2/NDF : 86.5/47

All: 219.619 ± 65.627 χ^2/NDF : 165.1/97

- sign 17.153 ± 93.196 χ^2/NDF : 69.3/49

asym_at1_dd_correction_rms vs Slug



Right In: 707.405 $\pm$ 0.167 χ^2 /NDF: 2962832.3/22

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 698.225 $\pm$ 0.159 χ^2 /NDF: 4081719.6/26

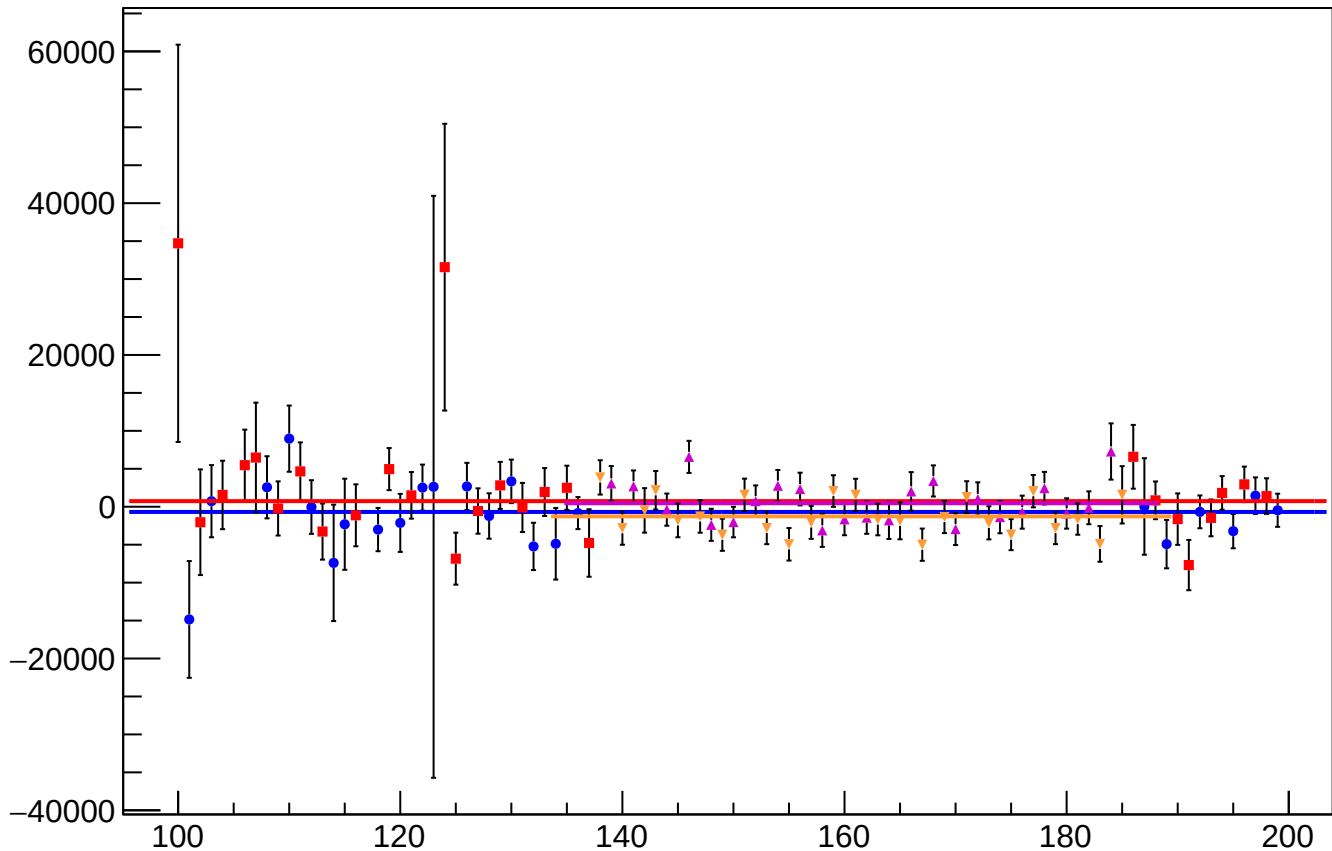
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 469.191 $\pm$ 0.065 χ^2 /NDF: 6102977.8/47

All: 470.398 $\pm$ 0.046 χ^2 /NDF: 13028721.7/97

- sign 471.625 $\pm$ 0.066 χ^2 /NDF: 6925056.2/49

asym_at1_dd_mean vs Slug



Right In: -686.354 ± 670.666 χ^2/NDF : 21.7/22

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

Right Out: 738.739 ± 638.297 χ^2/NDF : 29.7/26

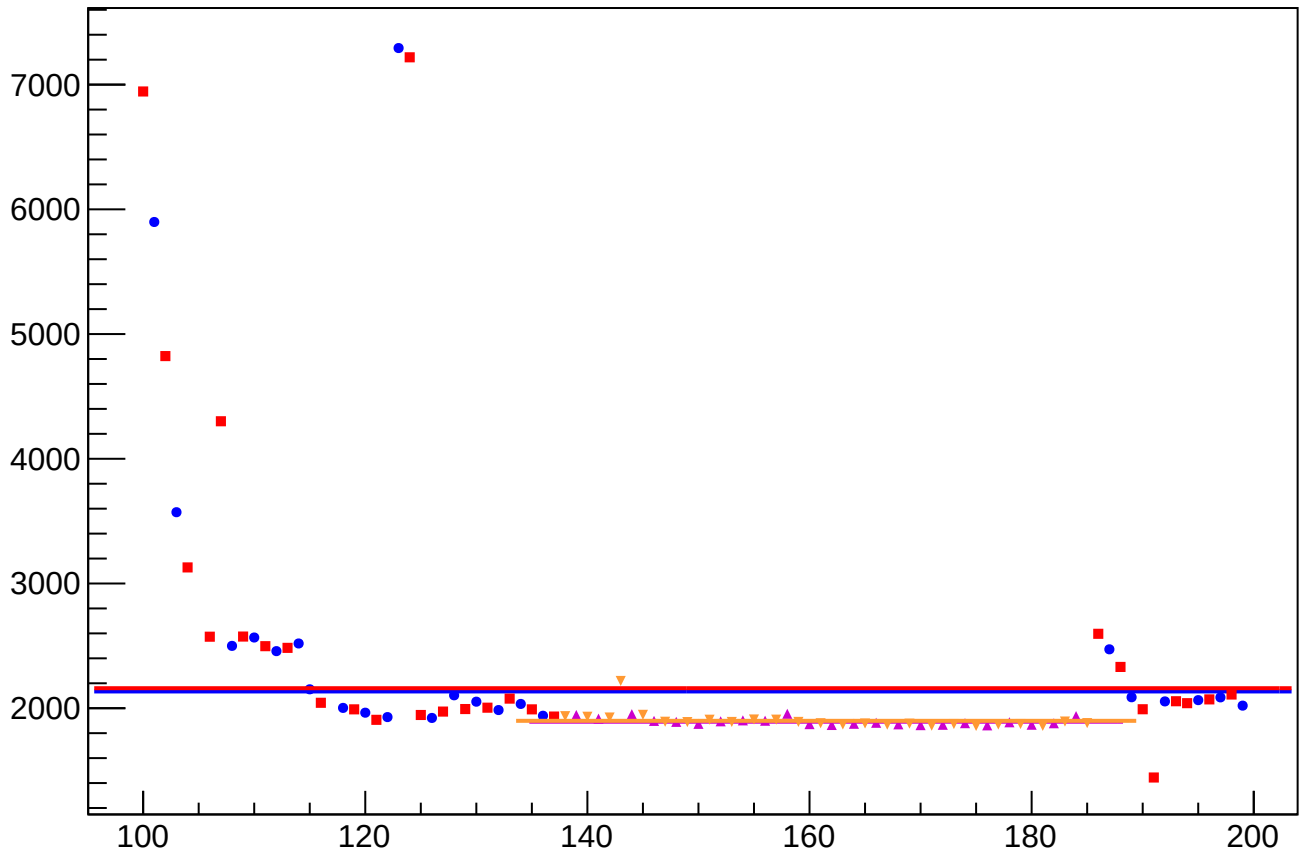
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1091.111 ± 369.768 χ^2/NDF : 53.1/47

All: -268.248 ± 261.524 χ^2/NDF : 125.3/97

- sign 555.353 ± 369.934 χ^2/NDF : 62.3/49

asym_at1_dd_rms vs Slug



Right In: 2134.440 $\pm$ 0.474 χ^2 /NDF: 823042.4/22

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2160.433 $\pm$ 0.451 χ^2 /NDF: 1048491.3/26

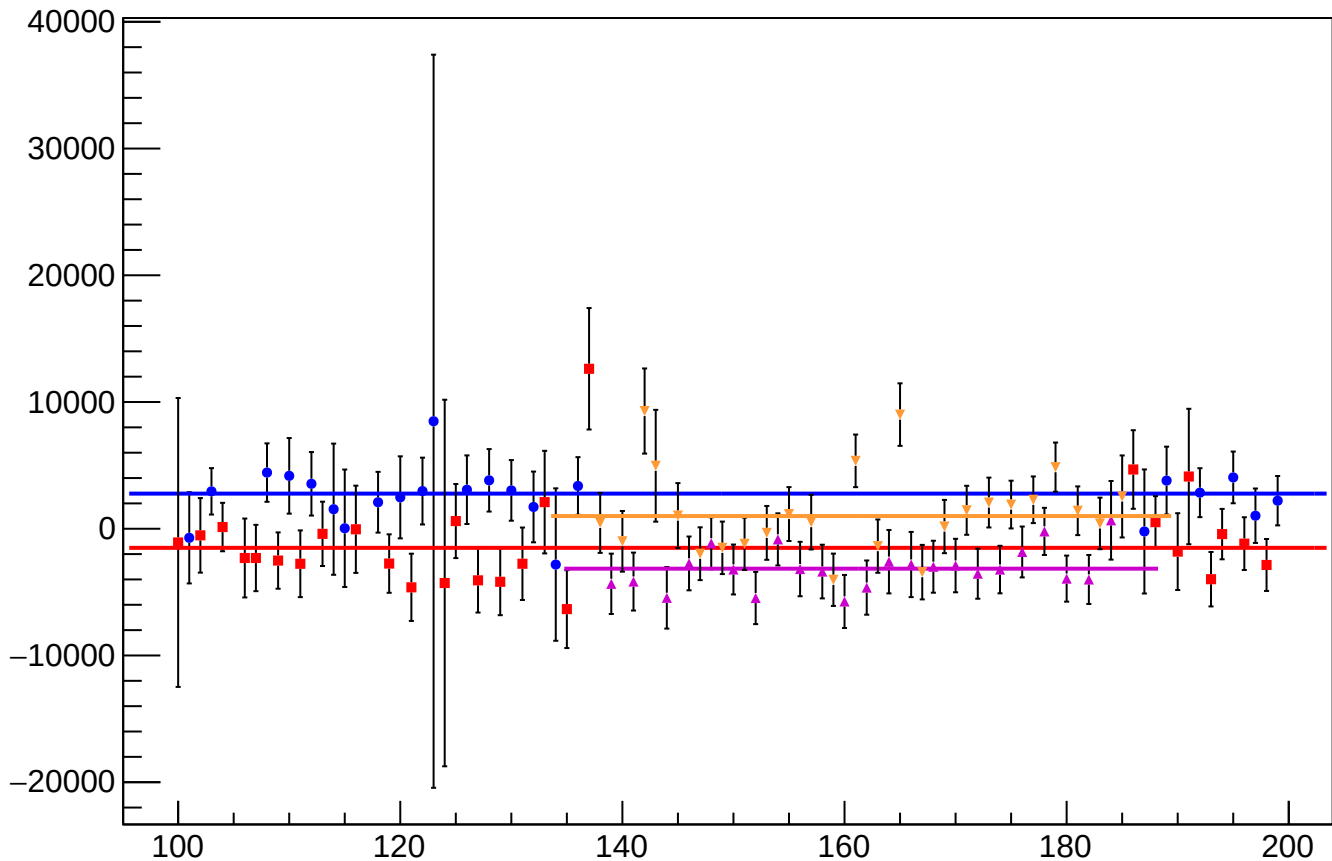
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1970.542 $\pm$ 0.261 χ^2 /NDF: 1033332.8/47

All: 1976.249 $\pm$ 0.185 χ^2 /NDF: 2325641.9/97

- sign 1981.961 $\pm$ 0.262 χ^2 /NDF: 1291356.0/49

reg_asym_at2_avg_mean vs Slug



Right In: 2772.153 ± 548.047 χ^2/NDF : 5.3/22

Left Out: 1001.263 ± 435.247 χ^2/NDF : 44.6/24

Right Out: -1505.959 ± 517.041 χ^2/NDF : 26.4/26

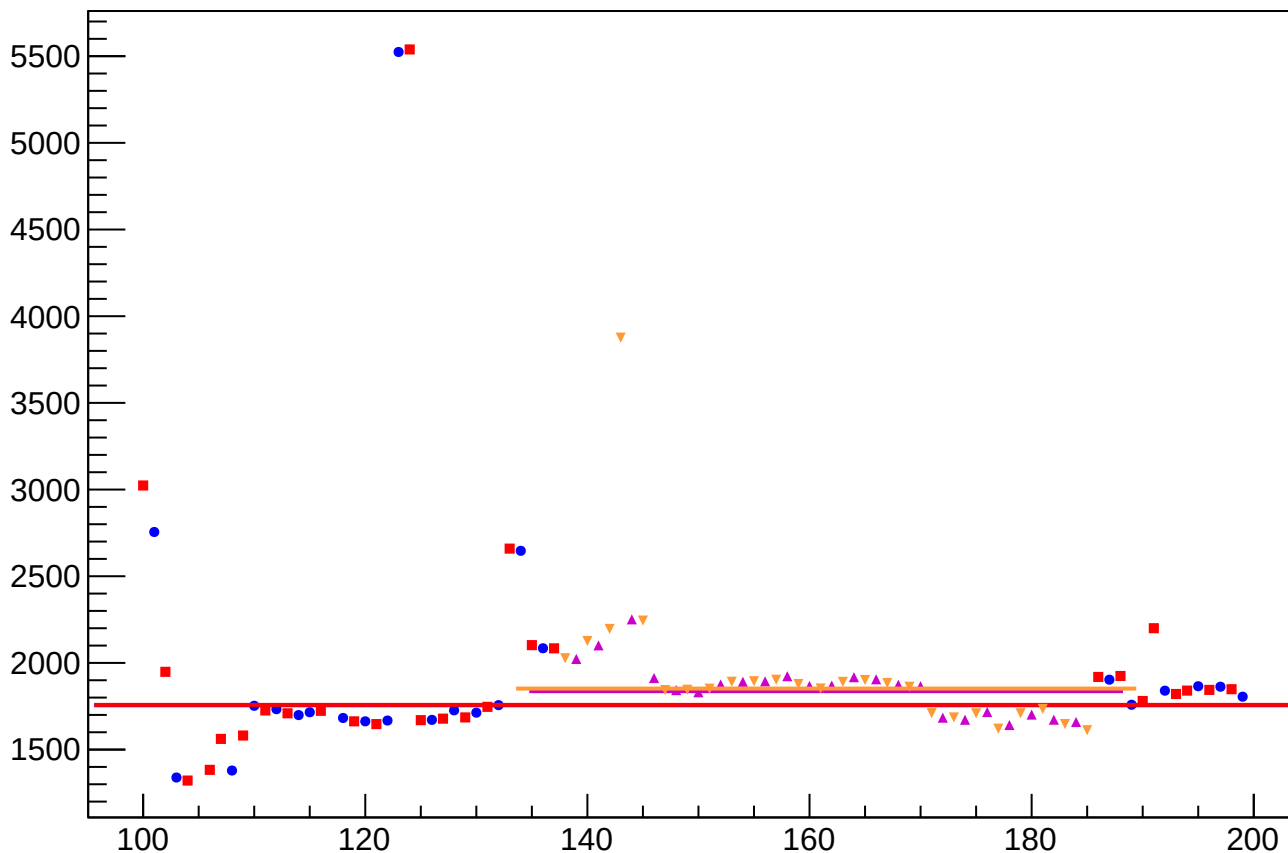
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1686.197 ± 340.837 χ^2/NDF : 56.3/47

All: -417.840 ± 239.133 χ^2/NDF : 175.4/97

- sign -2457.642 ± 335.593 χ^2/NDF : 44.1/49

reg_asym_at2_avg_rms vs Slug



Right In: 1755.926 $\pm$ 0.388 χ^2 /NDF: 457639.4/22

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1757.932 $\pm$ 0.366 χ^2 /NDF: 519035.7/26

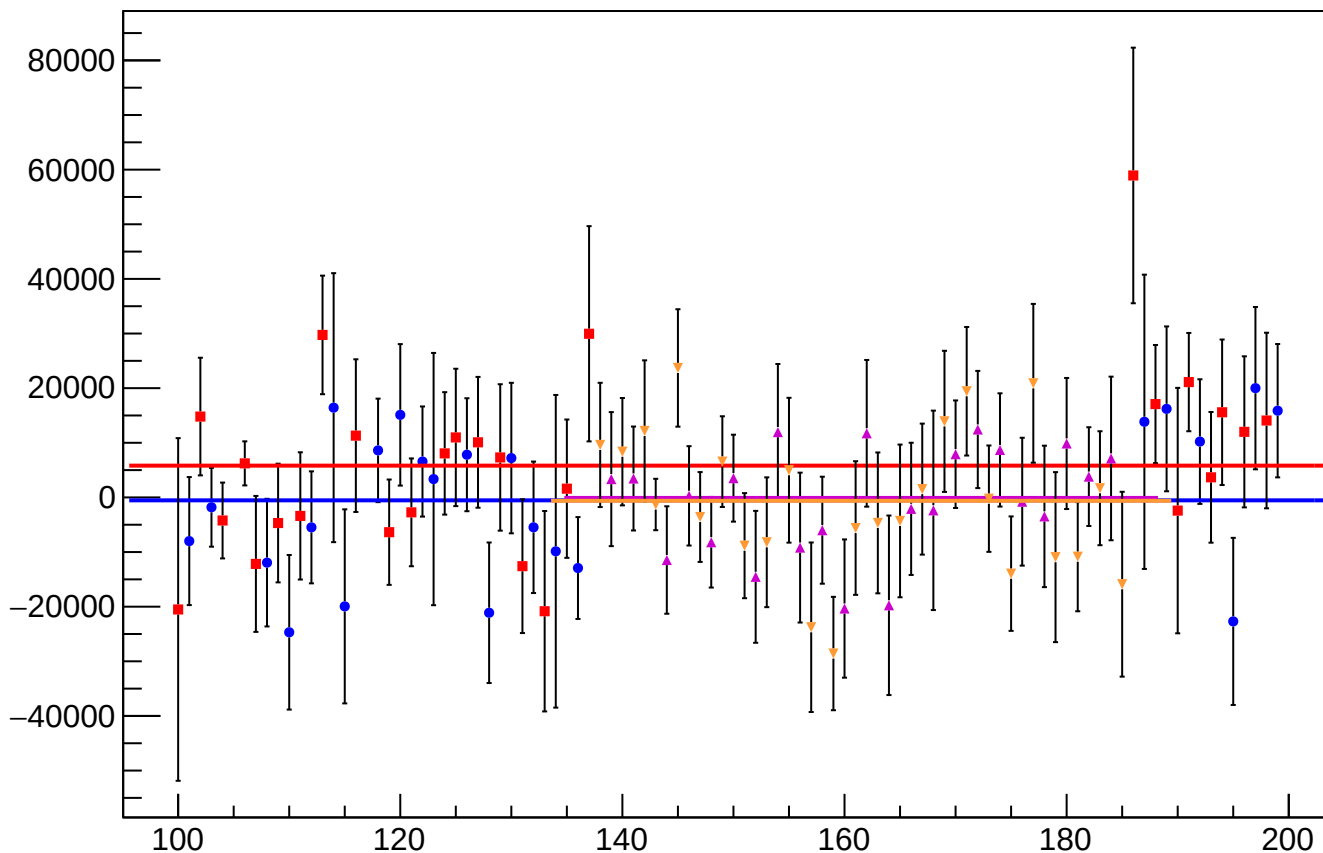
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1814.816 $\pm$ 0.241 χ^2 /NDF: 1144251.0/47

All: 1809.211 $\pm$ 0.169 χ^2 /NDF: 1892036.8/97

- sign 1803.777 $\pm$ 0.237 χ^2 /NDF: 746720.5/49

asym_at2_avg_correction_mean vs Slug



Right In: -534.710 ± 2571.368 χ^2/NDF : 22.9/22

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 5818.403 ± 2038.944 χ^2/NDF : 31.1/26

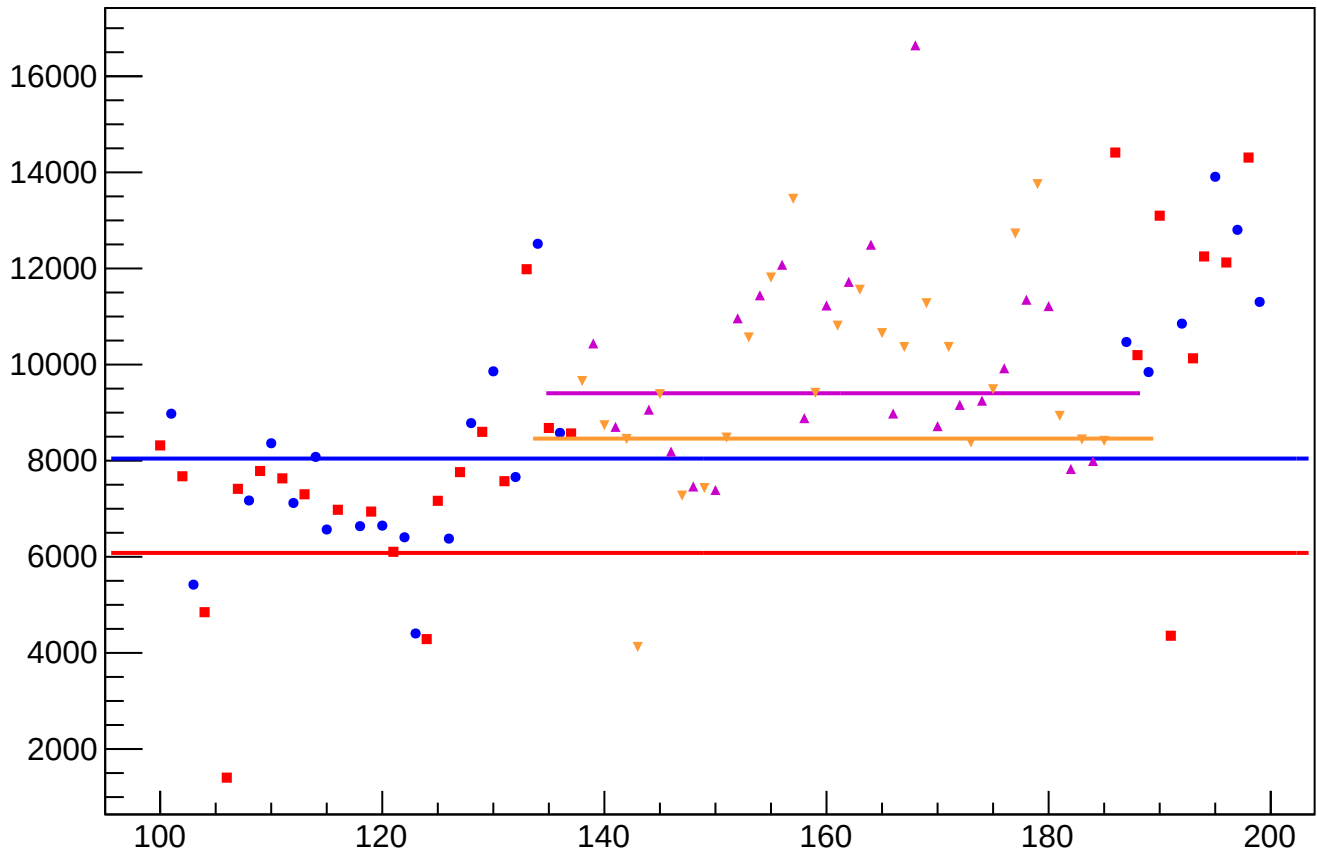
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -586.087 ± 1612.295 χ^2/NDF : 53.1/47

All: 1418.355 ± 1107.503 χ^2/NDF : 105.5/97

- sign 3209.102 ± 1523.930 χ^2/NDF : 49.5/49

asym_at2_avg_correction_rms vs Slug



Right In: 8044.343+/-1.818 χ^2/NDF : 1447339.6/22

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 6080.659+/-1.442 χ^2/NDF : 5869066.5/26

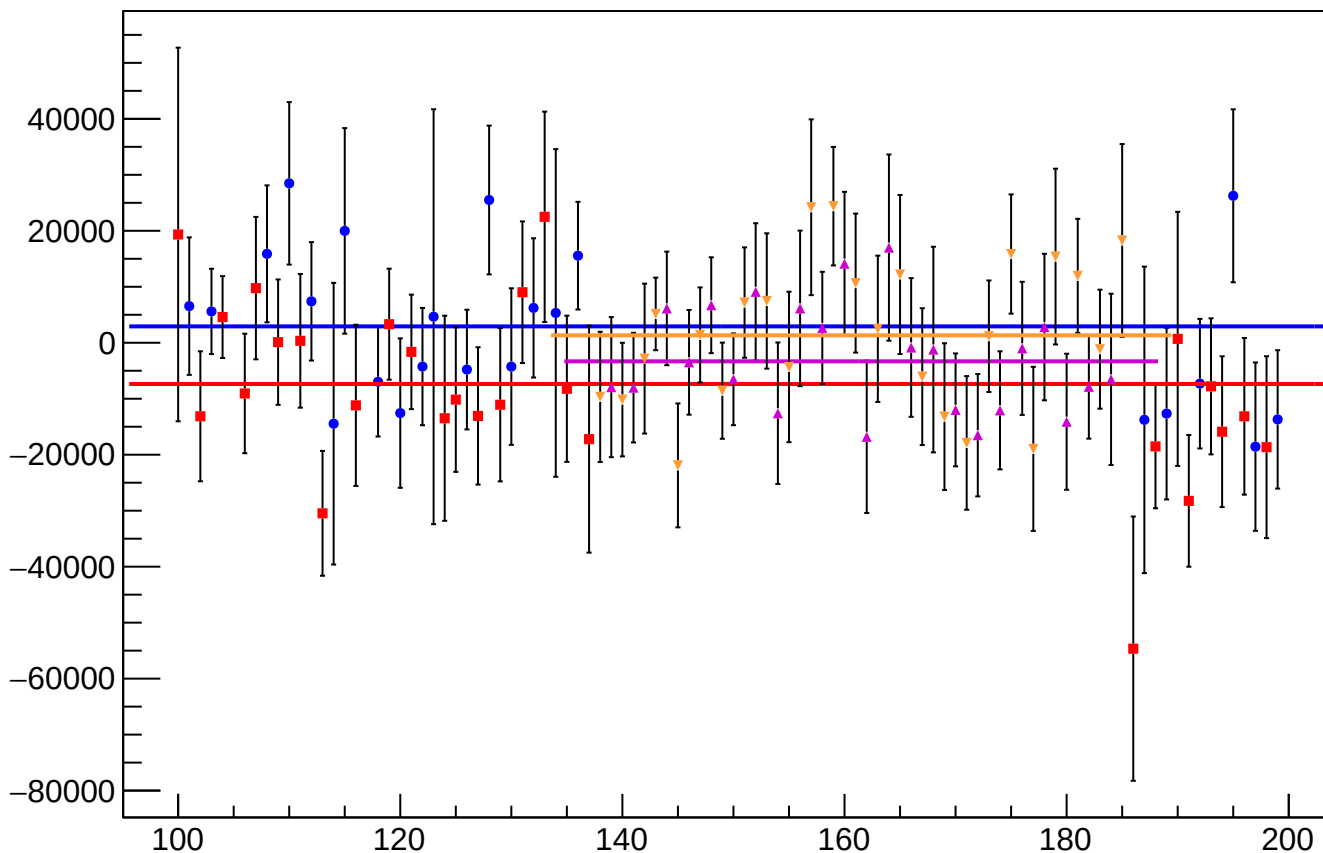
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8296.560+/-1.140 χ^2/NDF : 4566248.0/47

All: 7900.822+/-0.783 χ^2/NDF : 14150558.0/9

- sign 7547.274+/-1.078 χ^2/NDF : 9356172.9/49

asym_at2_avg_mean vs Slug



Right In: 2924.546 $\pm$ 2664.526 χ^2 /NDF: 22.6/22

Left Out: 1332.828 $\pm$ 2213.733 χ^2 /NDF: 28.0/24

Right Out: -7361.929 $\pm$ 2437.887 χ^2 /NDF: 26.4/26

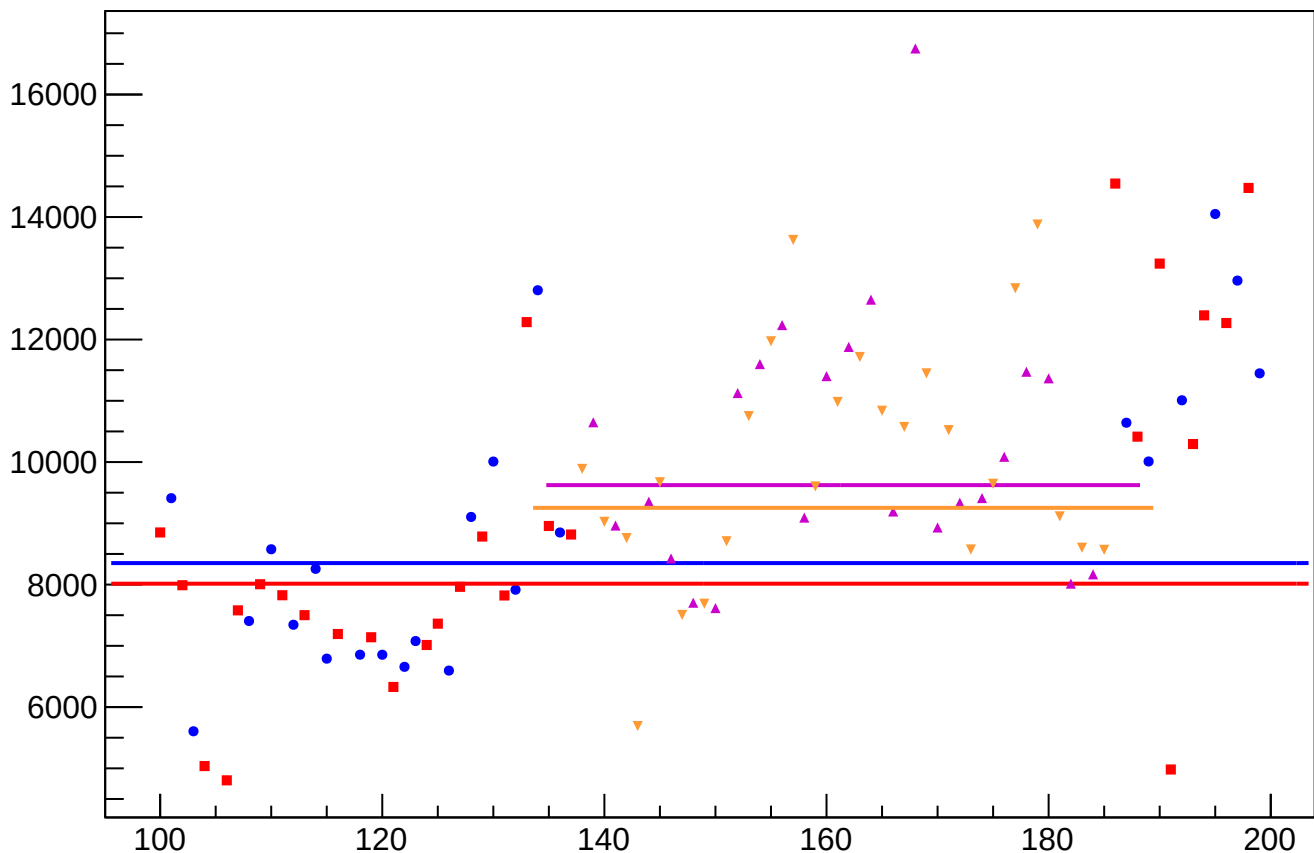
Left In: -3316.909 $\pm$ 2344.543 χ^2 /NDF: 13.7/22

+ sign 1982.844 $\pm$ 1702.742 χ^2 /NDF: 50.8/47

All: -1666.292 $\pm$ 1199.447 χ^2 /NDF: 101.5/97

- sign -5260.498 $\pm$ 1689.878 χ^2 /NDF: 41.5/49

asym_at2_avg_rms vs Slug



Right In: 8350.951+/-1.884 χ^2/NDF : 1317444.8/22

Left Out: 9252.712+/-1.565 χ^2/NDF :1597668.9/24

Right Out: 8014.426+/-1.724 χ^2/NDF : 2002685.2/26

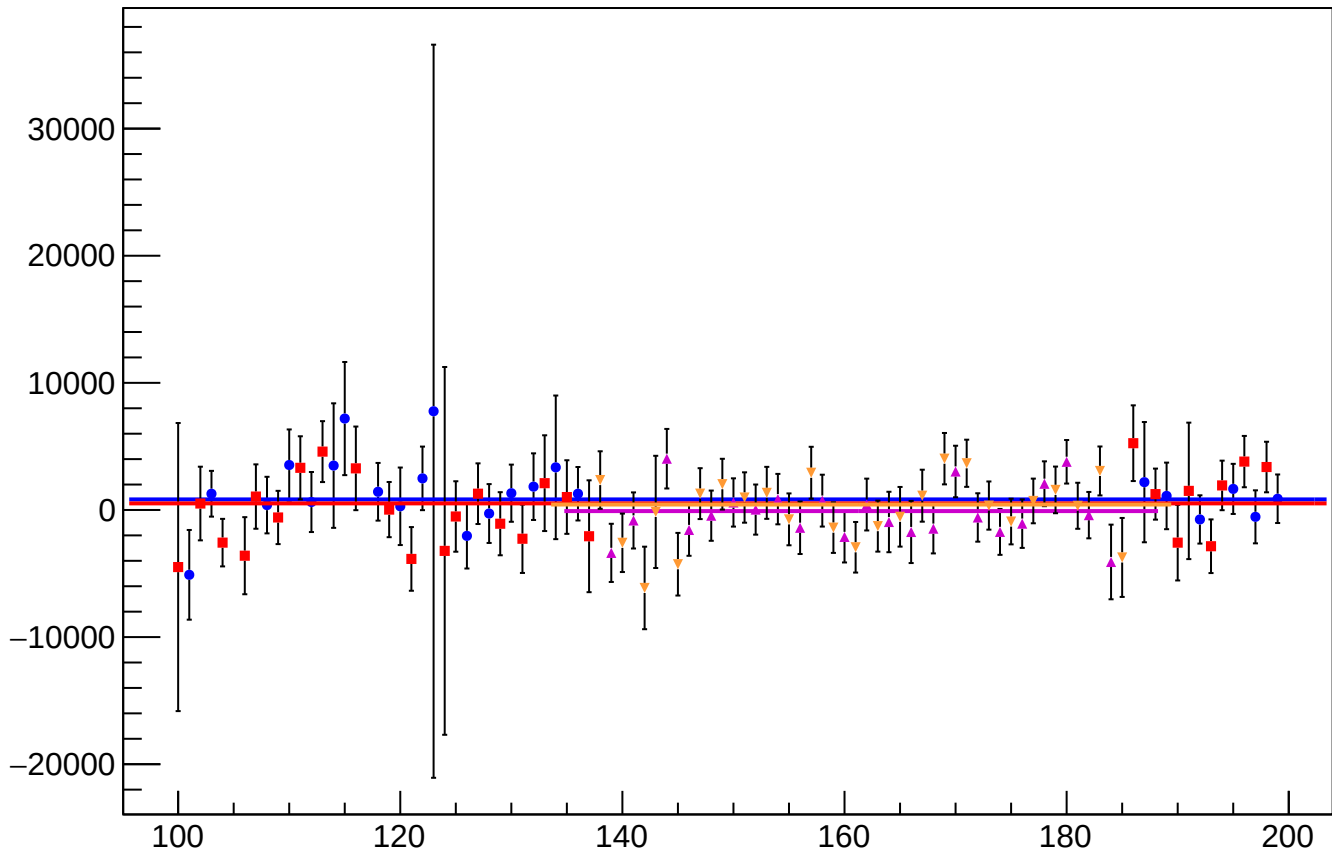
Left In: 9623.485+/-1.658 χ^2/NDF :1069924.0/22

+ sign 8884.447+/-1.204 χ^2/NDF : 3050642.4/47

All: 8867.228+/-0.848 χ^2/NDF : 6576332.7/97

- sign 8850.269+/-1.195 χ^2/NDF : 3525284.4/49

reg_asym_at2_dd_mean vs Slug



Right In: 830.432 ± 525.478 χ^2/NDF : 10.1/22

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 518.035 ± 496.715 χ^2/NDF : 27.0/26

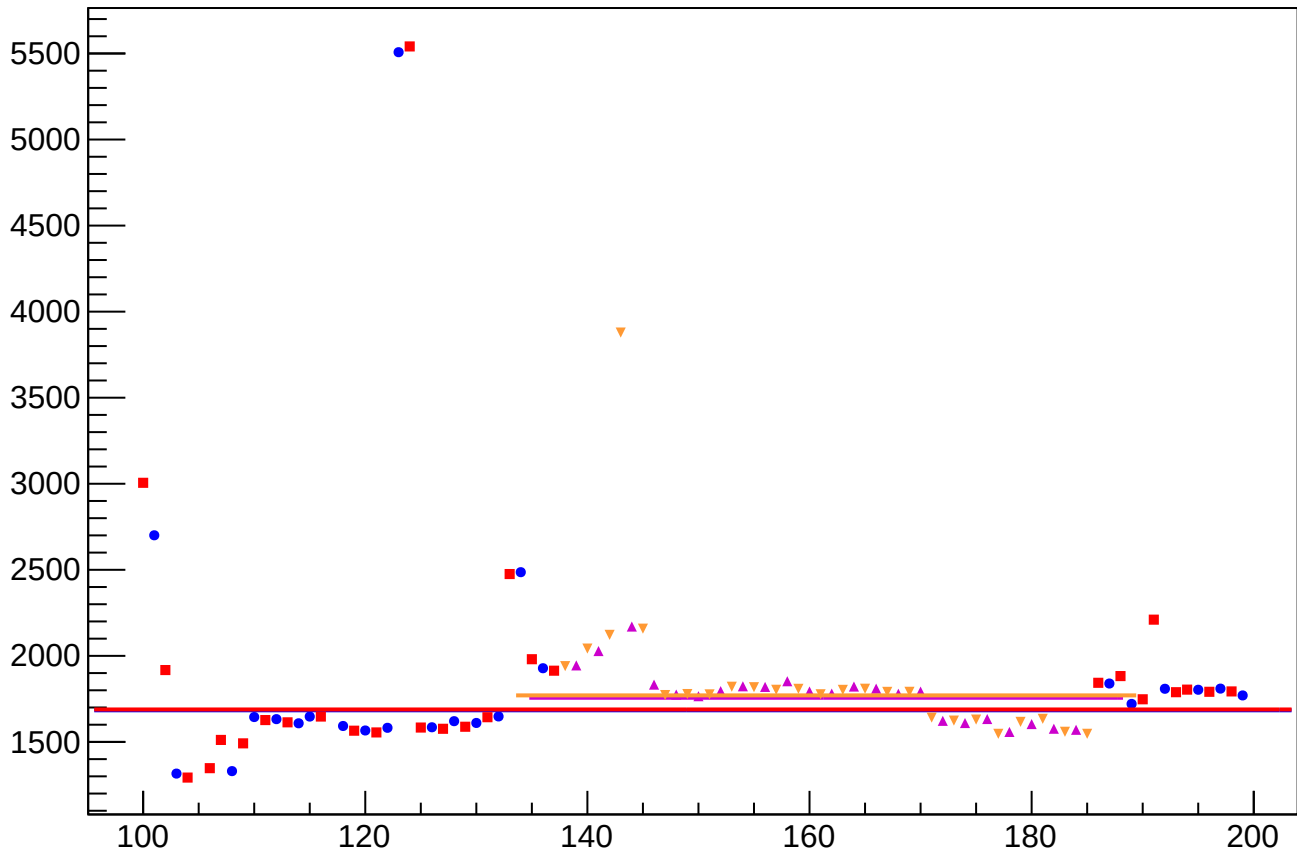
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 584.106 ± 326.346 χ^2/NDF : 39.2/47

All: 371.884 ± 229.060 χ^2/NDF : 88.8/97

- sign 165.809 ± 321.586 χ^2/NDF : 48.8/49

reg_asym_at2_dd_rms vs Slug



Right In: 1683.717 $\pm$ 0.372 χ^2 /NDF: 450933.5/22

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1688.562 $\pm$ 0.351 χ^2 /NDF: 529284.4/26

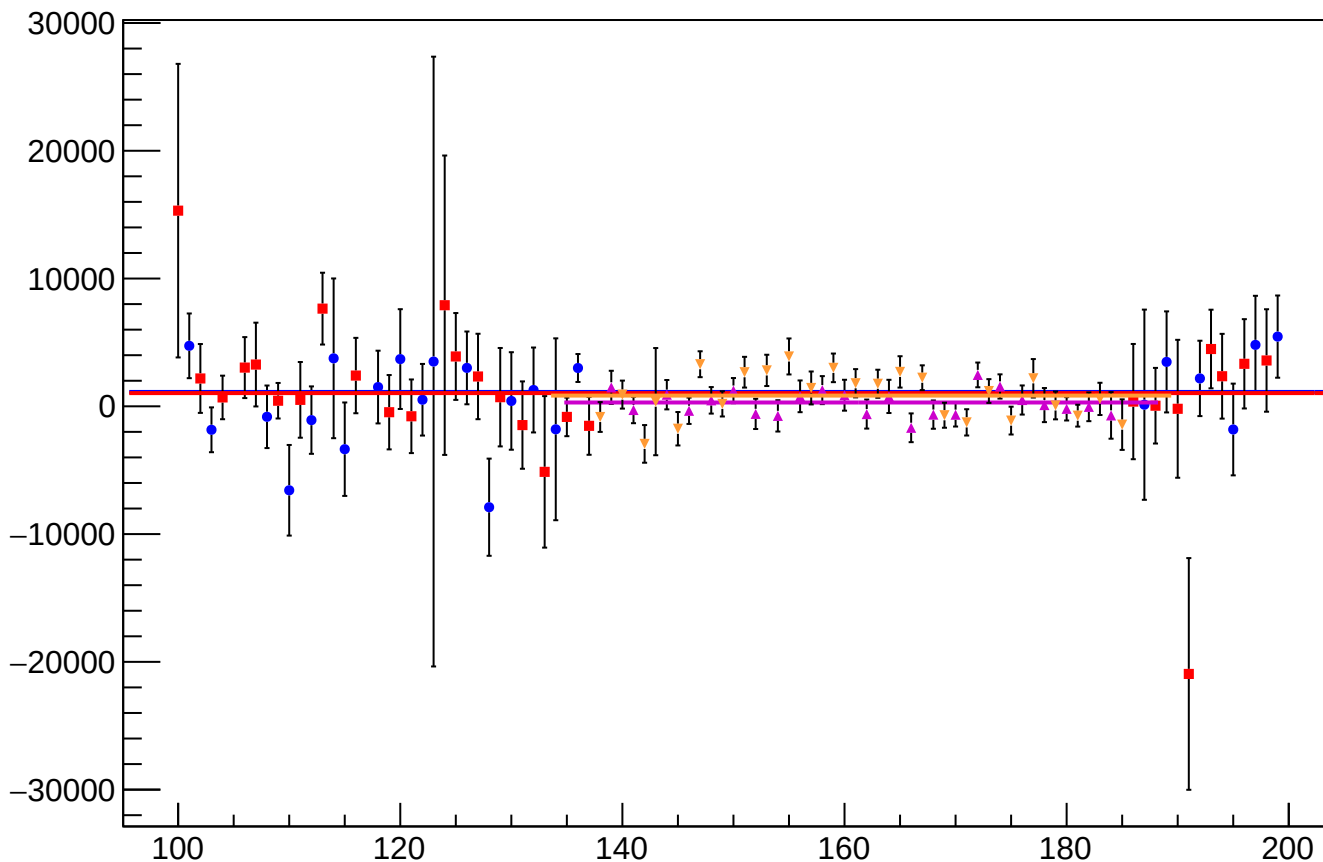
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1736.957 $\pm$ 0.231 χ^2 /NDF: 1183890.2/47

All: 1732.461 $\pm$ 0.162 χ^2 /NDF: 1958811.3/97

- sign 1728.095 $\pm$ 0.227 χ^2 /NDF: 774172.8/49

asym_at2_dd_correction_mean vs Slug



Right In: 1124.335 $\pm$ 583.571 χ^2 /NDF: 26.2/22

Left Out: 839.344 $\pm$ 230.465 χ^2 /NDF: 54.4/24

Right Out: 1034.159 $\pm$ 540.848 χ^2 /NDF: 23.5/26

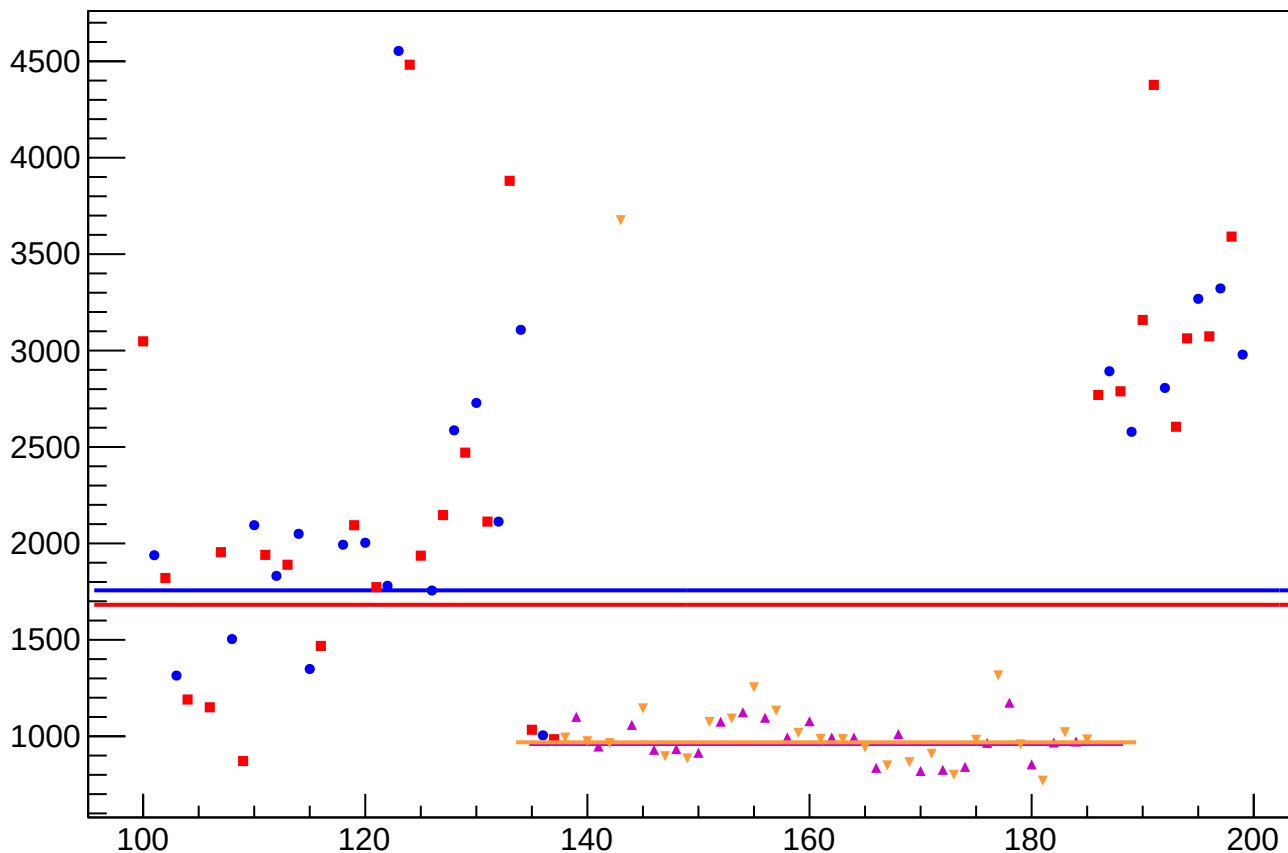
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 877.795 $\pm$ 214.355 χ^2 /NDF: 80.8/47

All: 643.436 $\pm$ 151.000 χ^2 /NDF: 126.6/97

- sign 412.582 $\pm$ 212.746 χ^2 /NDF: 43.4/49

asym_at2_dd_correction_rms vs Slug



Right In: 1756.610+/-0.413 χ^2/NDF : 2884588.2/22

Left Out: 968.712+/-0.163 χ^2/NDF : 1393696.6/24

Right Out: 1681.738+/-0.382 χ^2/NDF : 4204449.1/26

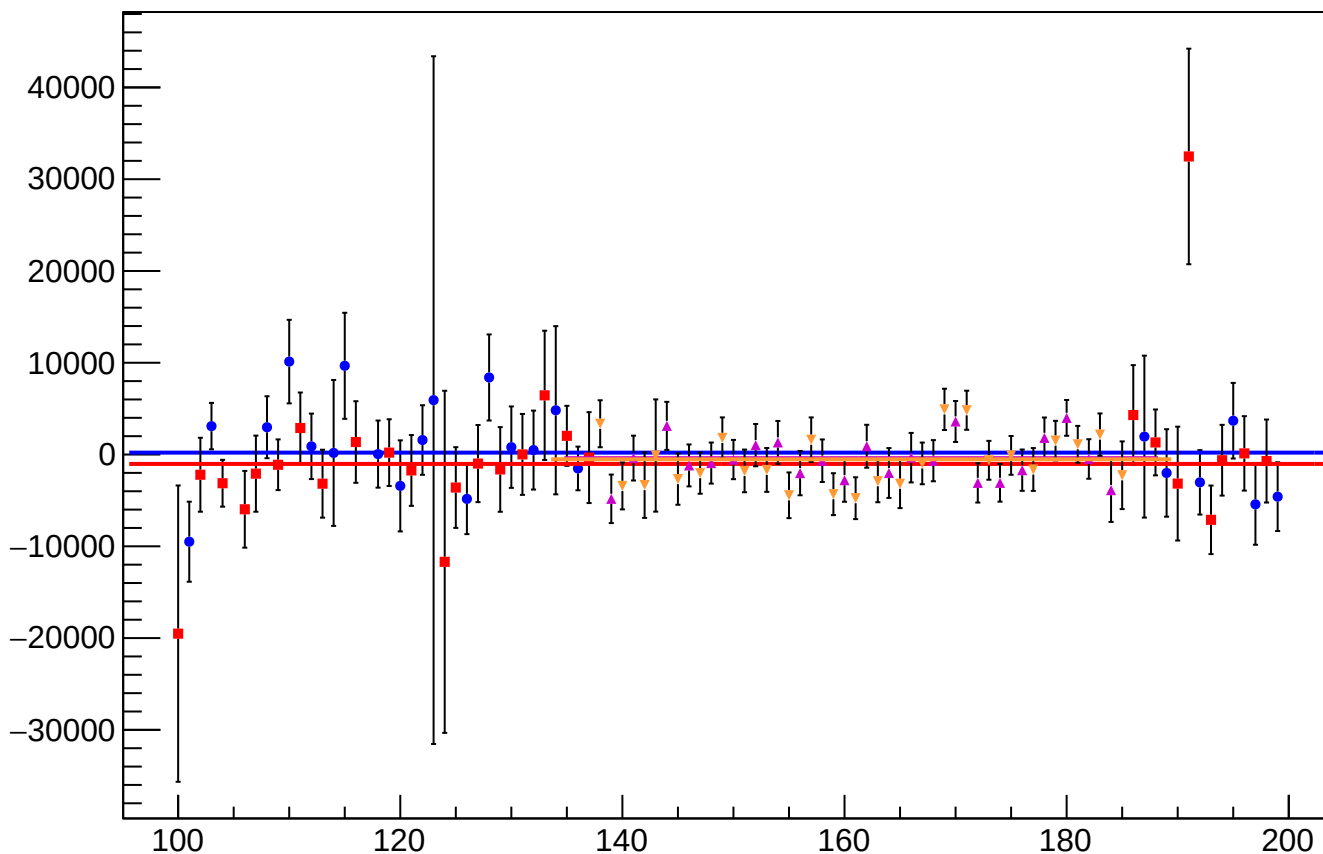
Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

+ sign 1075.016+/-0.152 χ^2/NDF : 7432119.8/47

All: 1073.249+/-0.107 χ^2/NDF : 15020152.6/99

- sign 1071.508+/-0.150 χ^2/NDF : 7587763.1/49

asym_at2_dd_mean vs Slug



Right In: 207.483 $\pm$ 850.833 χ^2 /NDF: 25.8/22

Left Out: -517.719 $\pm$ 481.486 χ^2 /NDF:34.0/24

Right Out: -1023.078 $\pm$ 801.516 χ^2 /NDF: 20.5/26

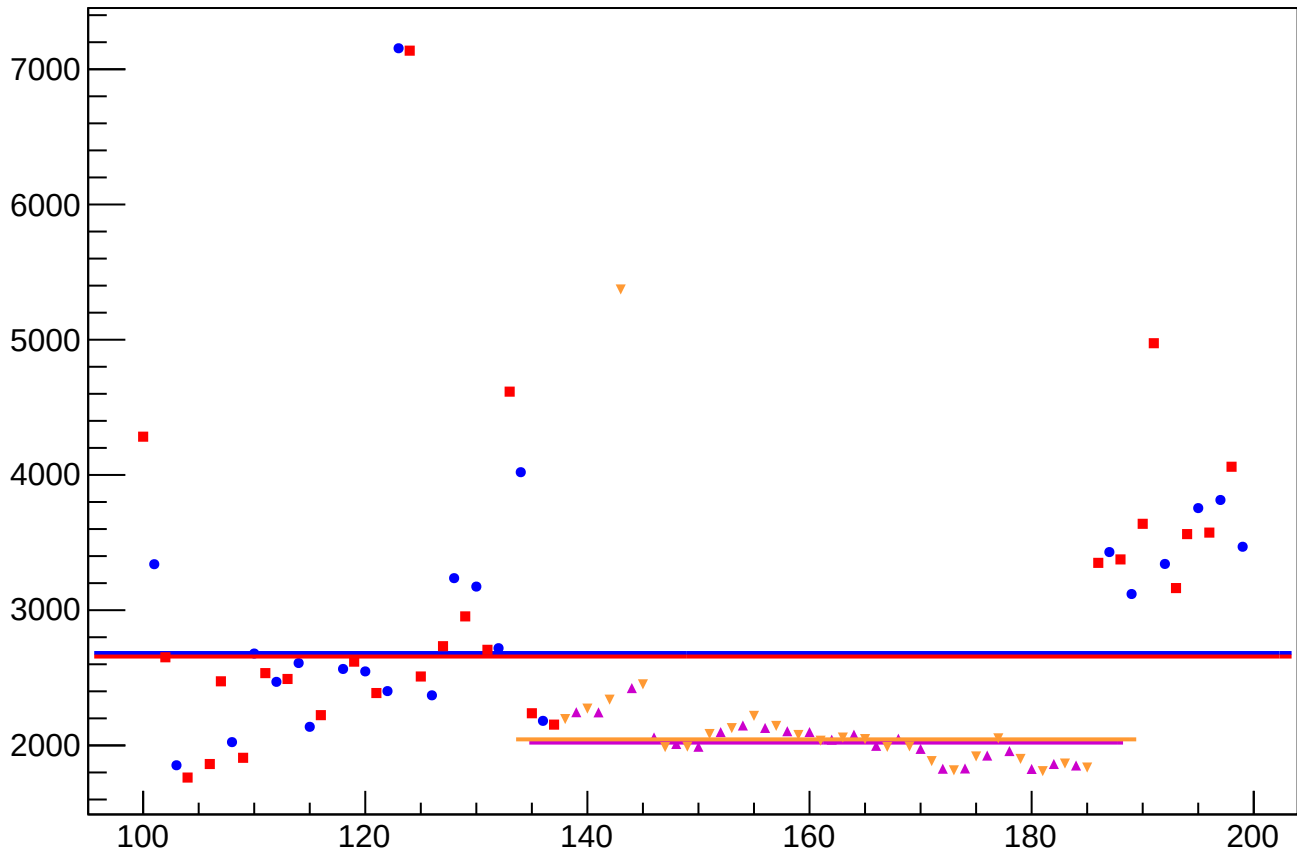
Left In: -397.398 $\pm$ 485.048 χ^2 /NDF:21.8/22

+ sign -341.812 $\pm$ 419.041 χ^2 /NDF: 60.3/47

All: -454.552 $\pm$ 294.859 χ^2 /NDF: 103.3/97

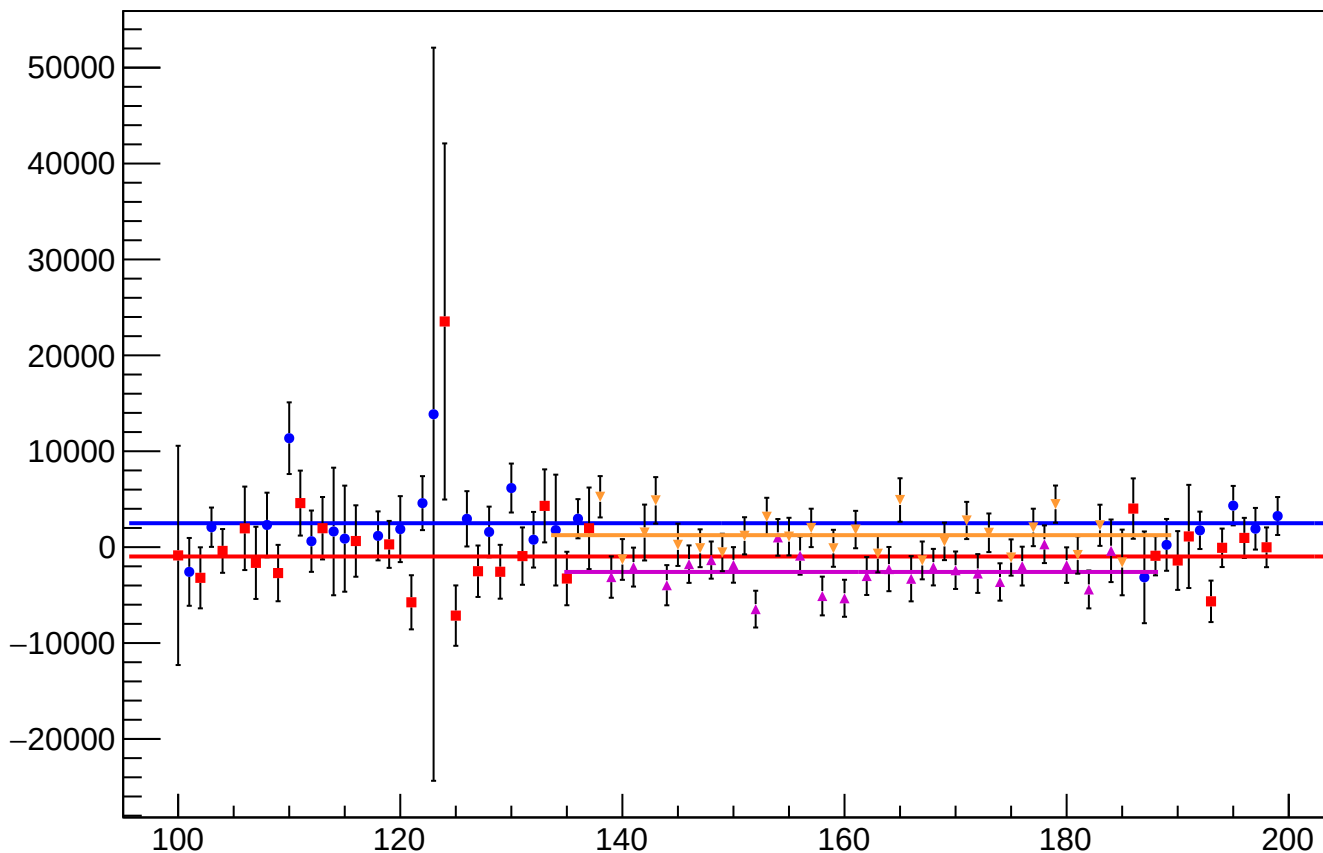
- sign -565.115 $\pm$ 414.977 χ^2 /NDF: 42.8/49

asym_at2_dd_rms vs Slug



Right In: 2683.191+/-0.602	χ^2/NDF : 1059126.9/22	+ sign 2199.592+/-0.296	χ^2/NDF : 2700868.2/47
Left Out: 2044.722+/-0.340	χ^2/NDF : 788703.5/24	All: 2195.448+/-0.208	χ^2/NDF : 5340154.2/97
Right Out: 2657.174+/-0.567	χ^2/NDF : 1542593.0/26	- sign 2191.385+/-0.293	χ^2/NDF : 2638898.8/49
Left In: 2020.802+/-0.343	χ^2/NDF : 173502.0/22		

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2495.557 ± 582.377 χ^2/NDF : 15.0/22

Left Out: 1249.917 ± 412.486 χ^2/NDF : 23.0/24

Right Out: -973.945 ± 557.038 χ^2/NDF : 26.2/26

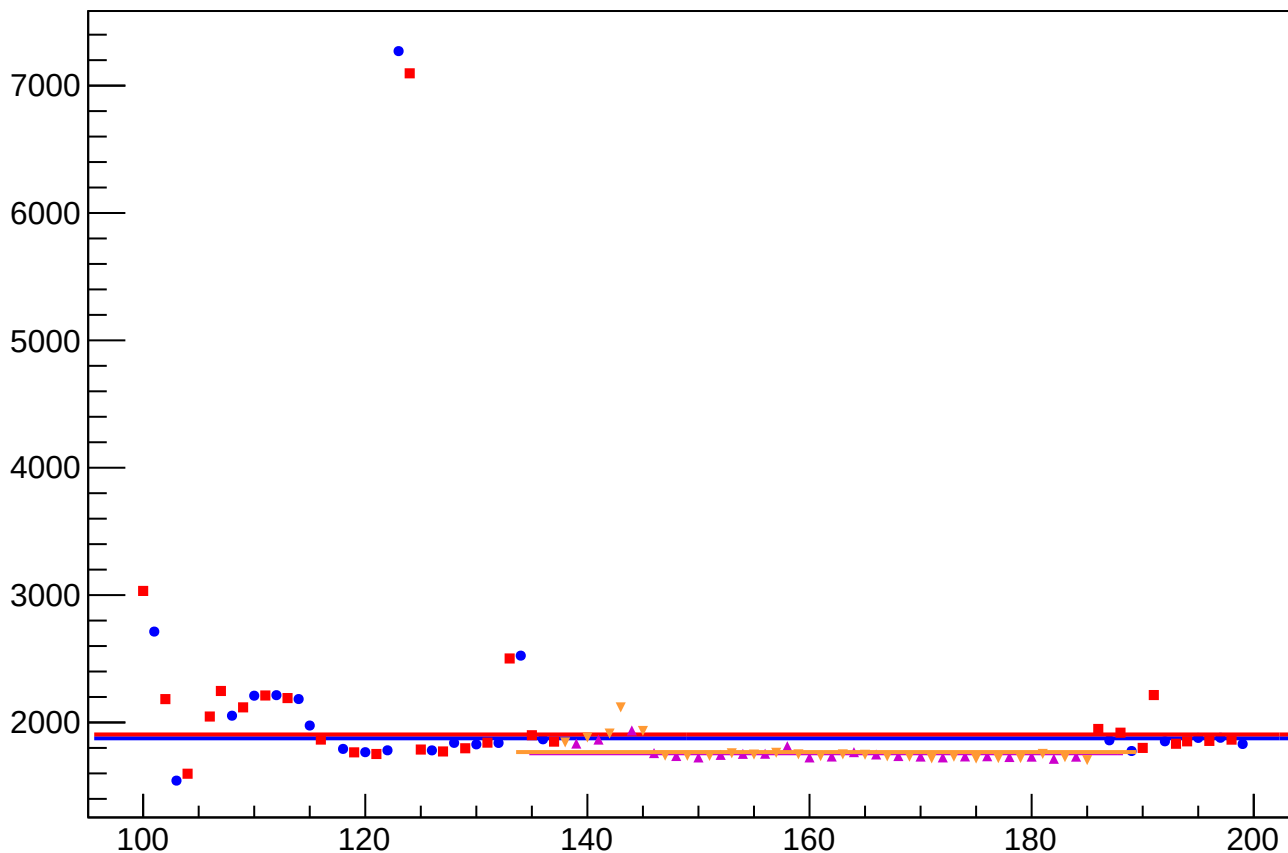
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1666.049 ± 336.607 χ^2/NDF : 41.0/47

All: -169.423 ± 237.846 χ^2/NDF : 149.4/97

- sign -1999.635 ± 336.124 χ^2/NDF : 49.0/49

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1875.558+/-0.412 χ^2/NDF : 292811.2/22

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1905.757+/-0.394 χ^2/NDF : 377405.6/26

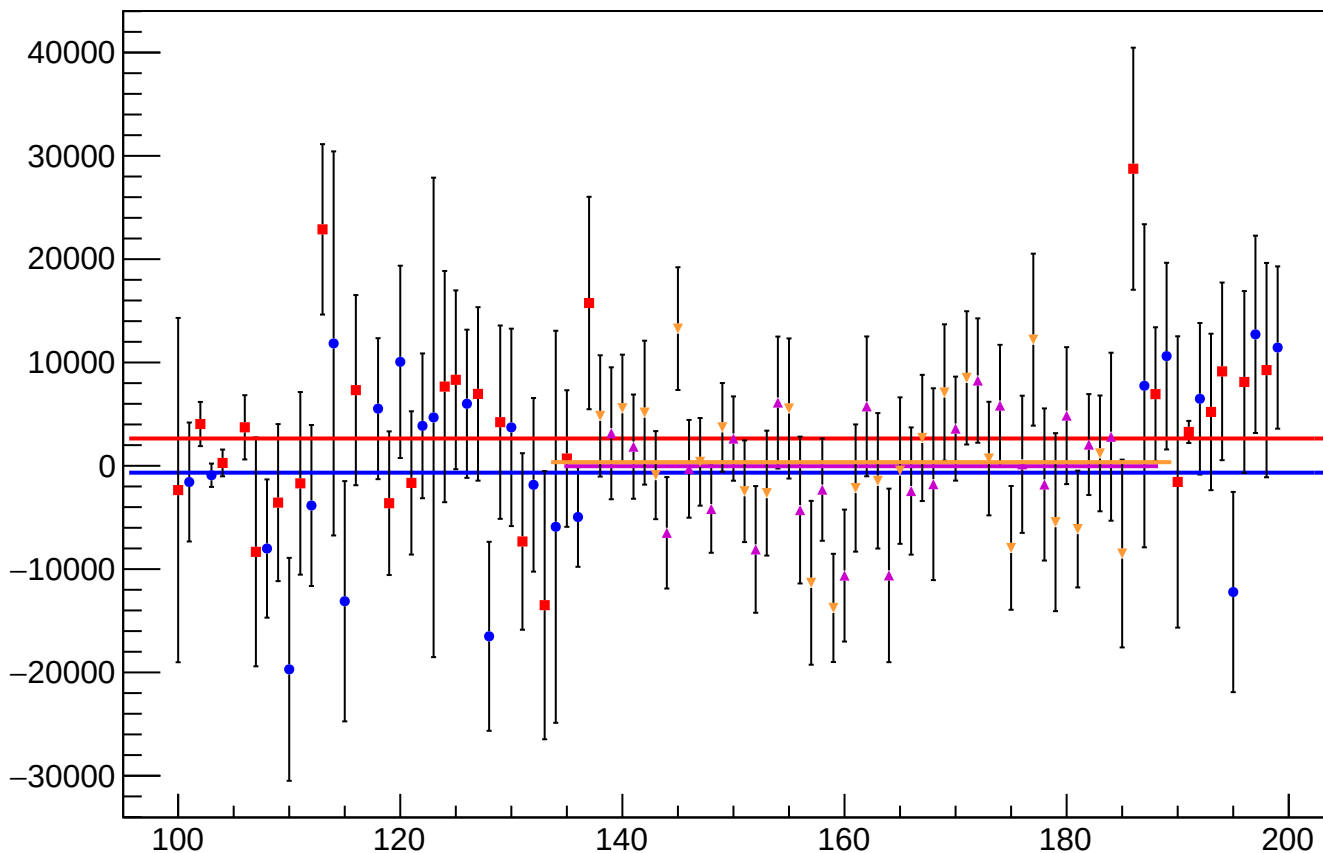
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1803.610+/-0.238 χ^2/NDF : 416324.6/47

All: 1807.767+/-0.168 χ^2/NDF : 913637.1/97

- sign 1811.909+/-0.238 χ^2/NDF : 496703.6/49

asym_atl1r2_avg_correction_mean vs Slug



Right In: -664.979 ± 952.204 χ^2/NDF : 22.3/22

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2644.357 ± 691.791 χ^2/NDF : 26.2/26

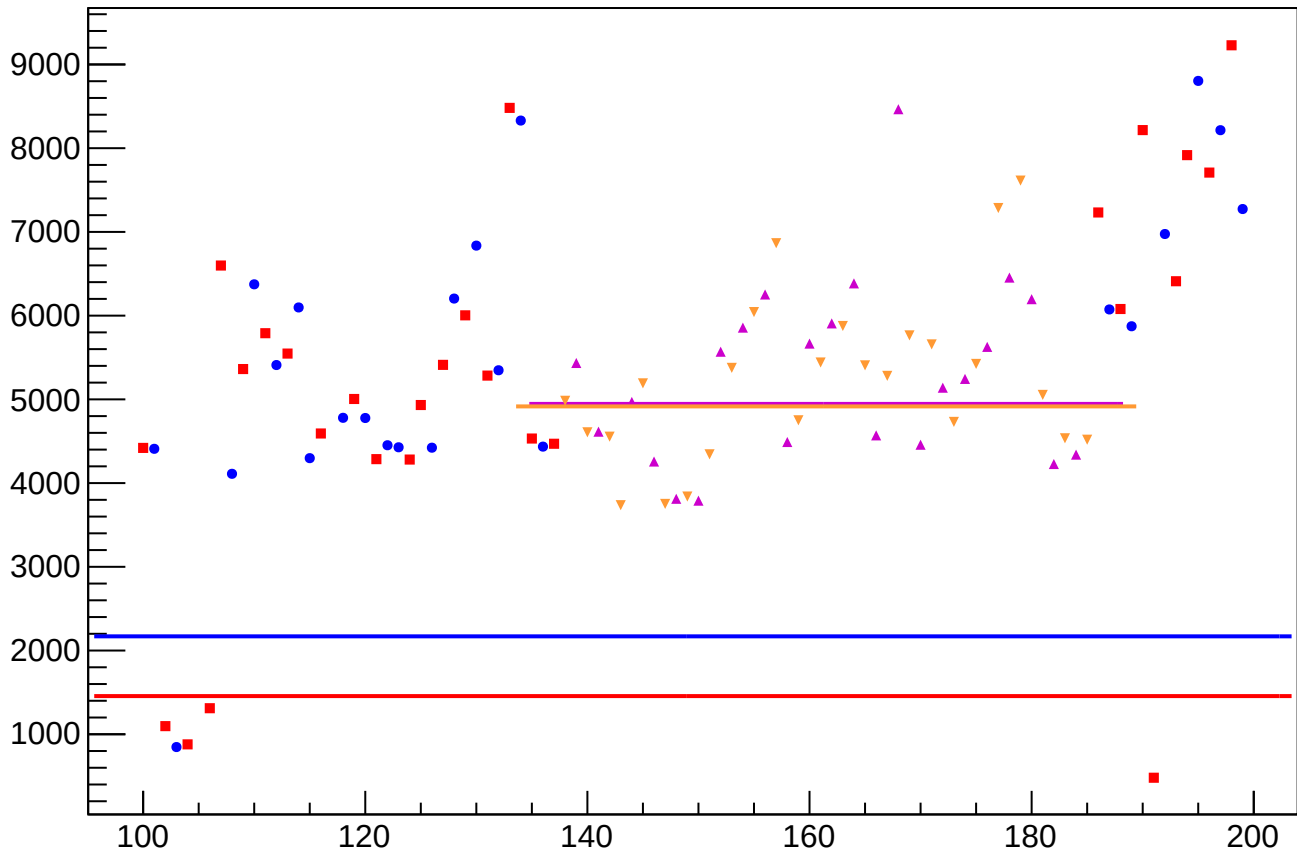
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -260.101 ± 738.544 χ^2/NDF : 50.6/47

All: 1089.400 ± 465.809 χ^2/NDF : 102.1/97

- sign 1980.847 ± 600.258 χ^2/NDF : 46.0/49

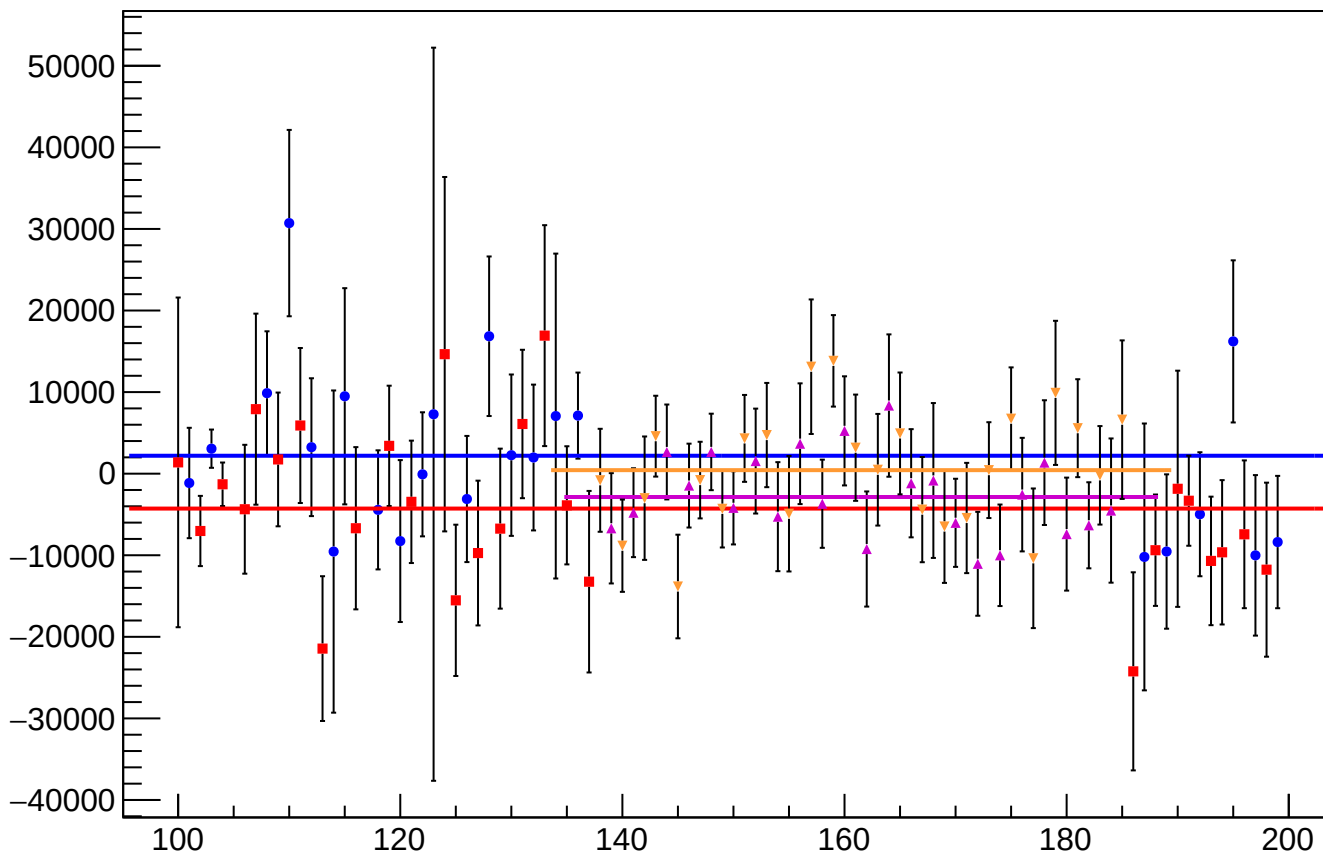
asym_atl1r2_avg_correction_rms vs Slug



Right In: 2169.583 ± 0.673 $\chi^2/\text{NDF}: 10607346.7/22$
 Left Out: 4915.865 ± 0.827 $\chi^2/\text{NDF}: 1186479.7/24$
 Right Out: 1455.950 ± 0.489 $\chi^2/\text{NDF}: 14245249.5/26$
 Left In: 4945.817 ± 0.854 $\chi^2/\text{NDF}: 1188288.6/22$

+ sign 3263.761 ± 0.522 $\chi^2/\text{NDF}: 18422134.8/47$
 All: 2694.442 ± 0.329 $\chi^2/\text{NDF}: 48407045.6/9$
 - sign 2318.365 ± 0.424 $\chi^2/\text{NDF}: 28011368.8/49$

asym_atl1r2_avg_mean vs Slug



Right In: 2197.571 $\pm$ 1484.119 χ^2 /NDF: 22.2/22

Left Out: 430.860 $\pm$ 1258.273 χ^2 /NDF:27.1/24

Right Out: -4278.115 $\pm$ 1410.788 χ^2 /NDF: 21.4/26

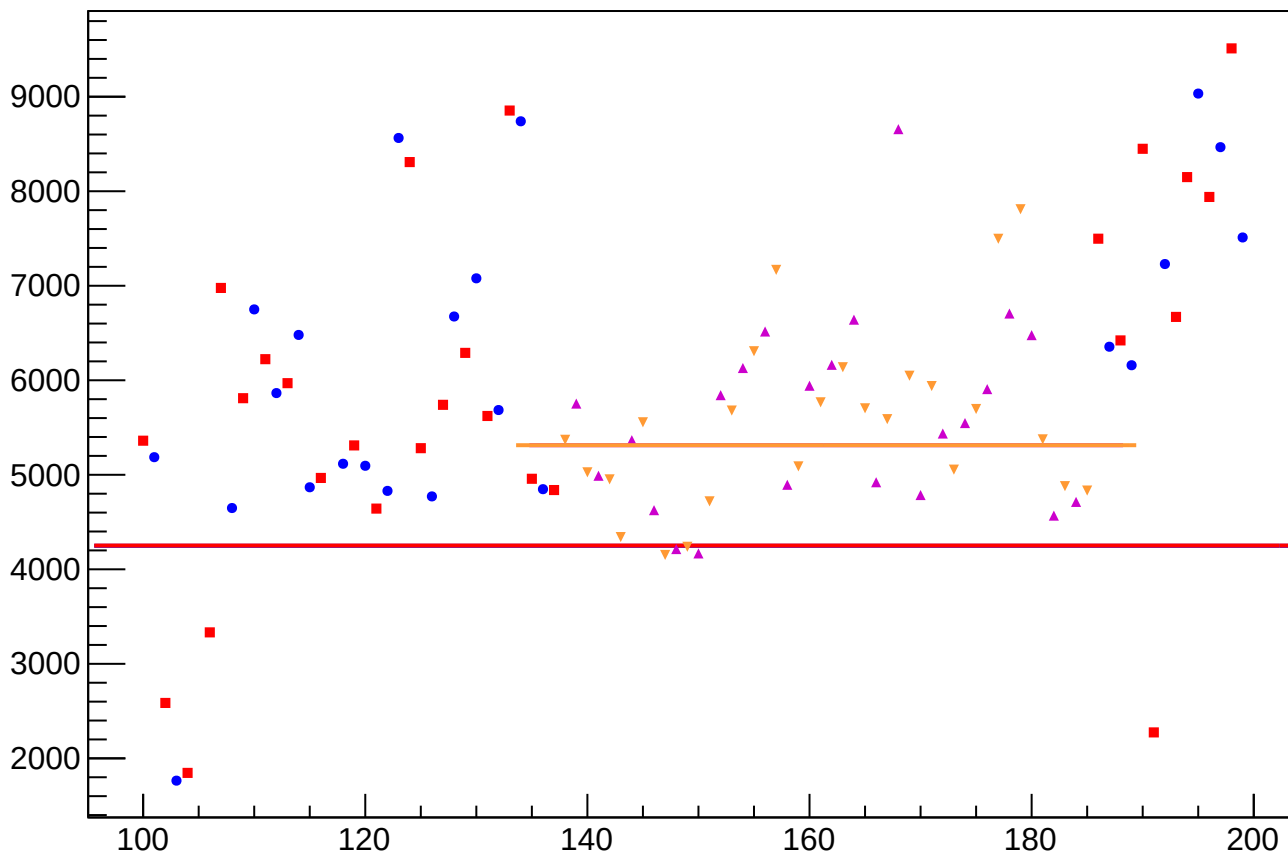
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1169.700 $\pm$ 959.757 χ^2 /NDF: 50.2/47

All: -1185.388 $\pm$ 676.230 χ^2 /NDF: 97.0/97

- sign -3507.167 $\pm$ 952.946 χ^2 /NDF: 34.9/49

asym_atl1r2_avg_rms vs Slug



Right In: 4248.774+/-1.049 χ^2/NDF : 4613473.9/22

Left Out: 5313.008+/-0.890 χ^2/NDF : 894369.8/24

Right Out: 4251.411+/-0.992 χ^2/NDF : 5068774.9/26

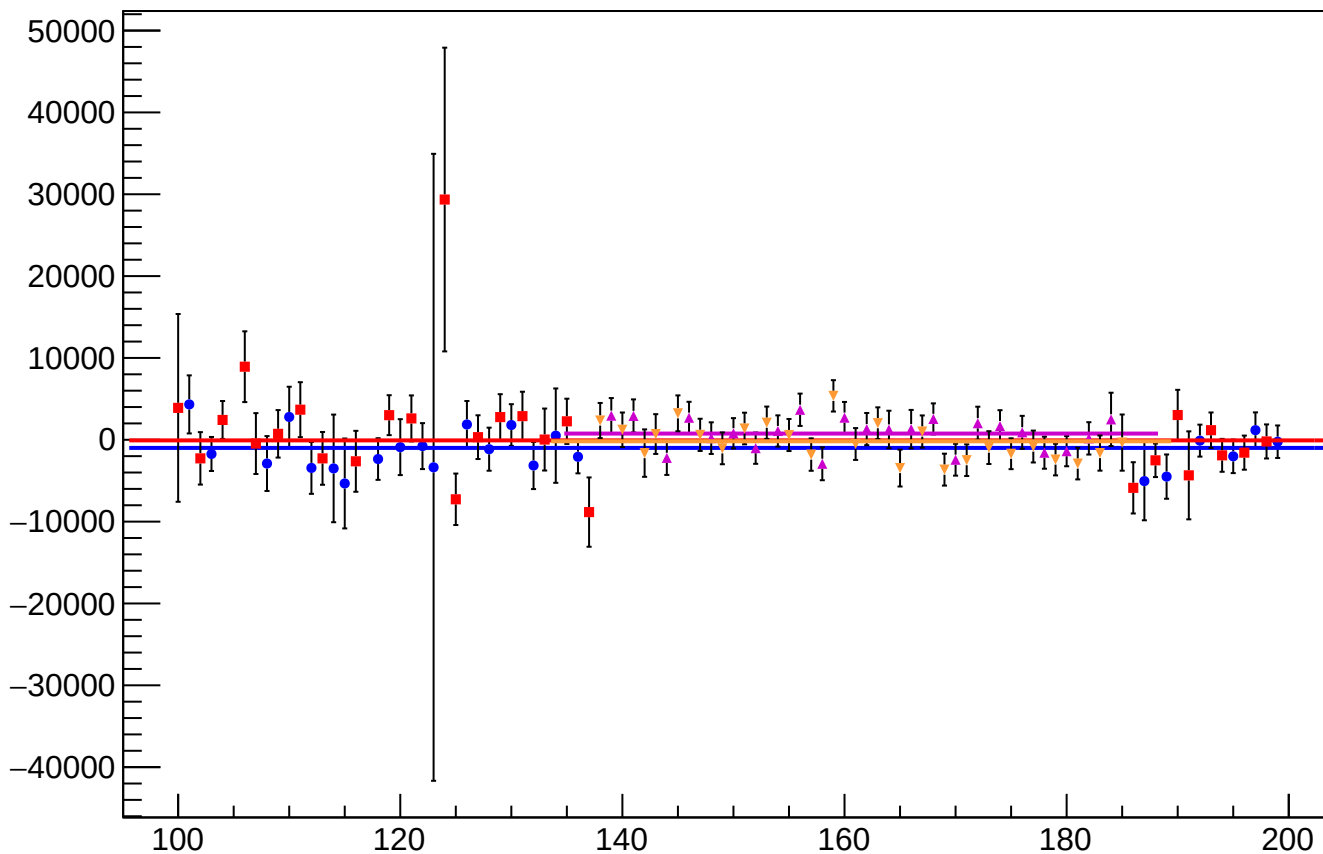
Left In: 5312.861+/-0.914 χ^2/NDF : 957400.7/22

+ sign 4867.944+/-0.679 χ^2/NDF : 6106172.4/47

All: 4846.697+/-0.478 χ^2/NDF : 12753335.7/9

- sign 4825.850+/-0.672 χ^2/NDF : 6645221.5/49

reg_asym_atl1r2_dd_mean vs Slug



Right In: -992.530 ± 581.342 χ^2/NDF : 12.5/22

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -72.946 ± 556.342 χ^2/NDF : 33.8/26

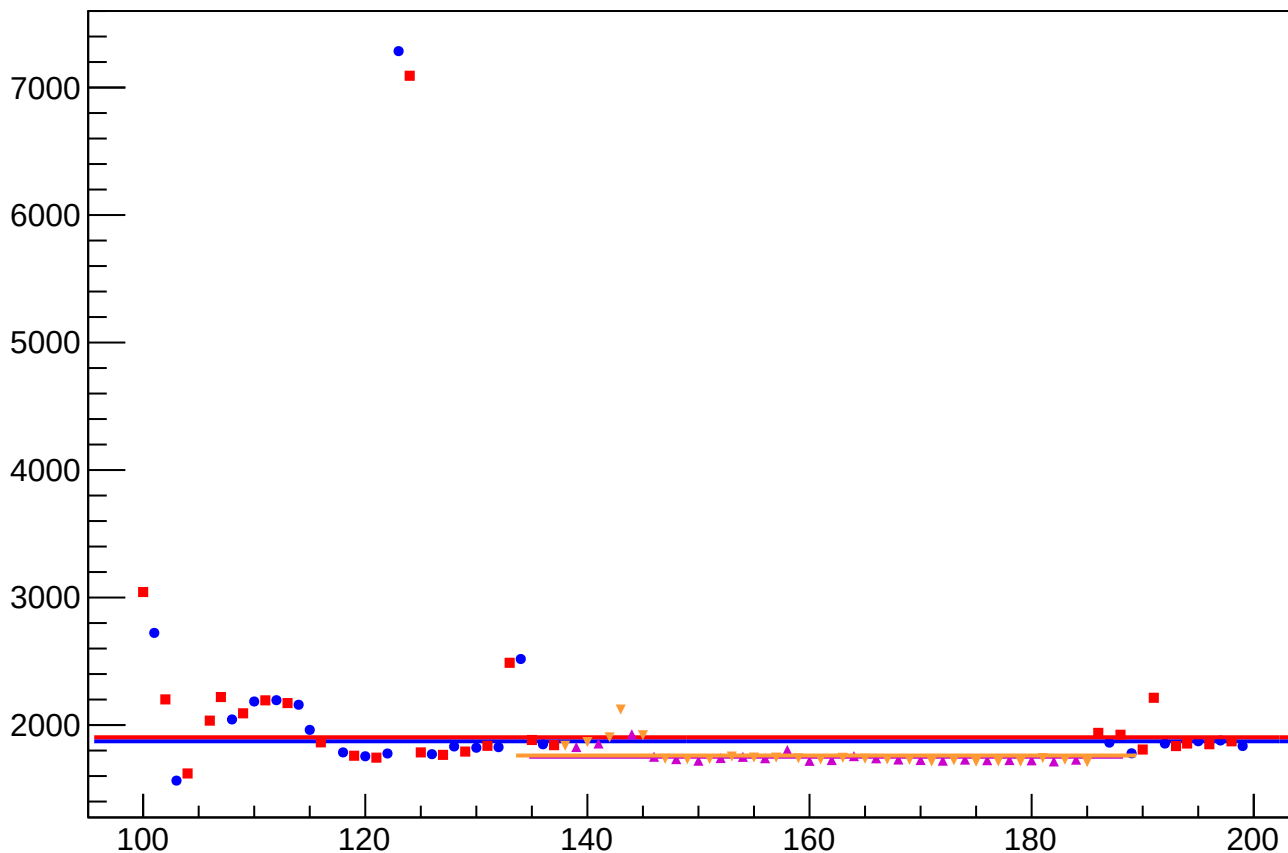
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -450.623 ± 335.586 χ^2/NDF : 43.1/47

All: 4.045 ± 237.143 χ^2/NDF : 102.3/97

- sign 457.550 ± 335.157 χ^2/NDF : 55.5/49

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1872.666+/-0.411 χ^2/NDF : 283230.0/22

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1904.136+/-0.393 χ^2/NDF : 365202.7/26

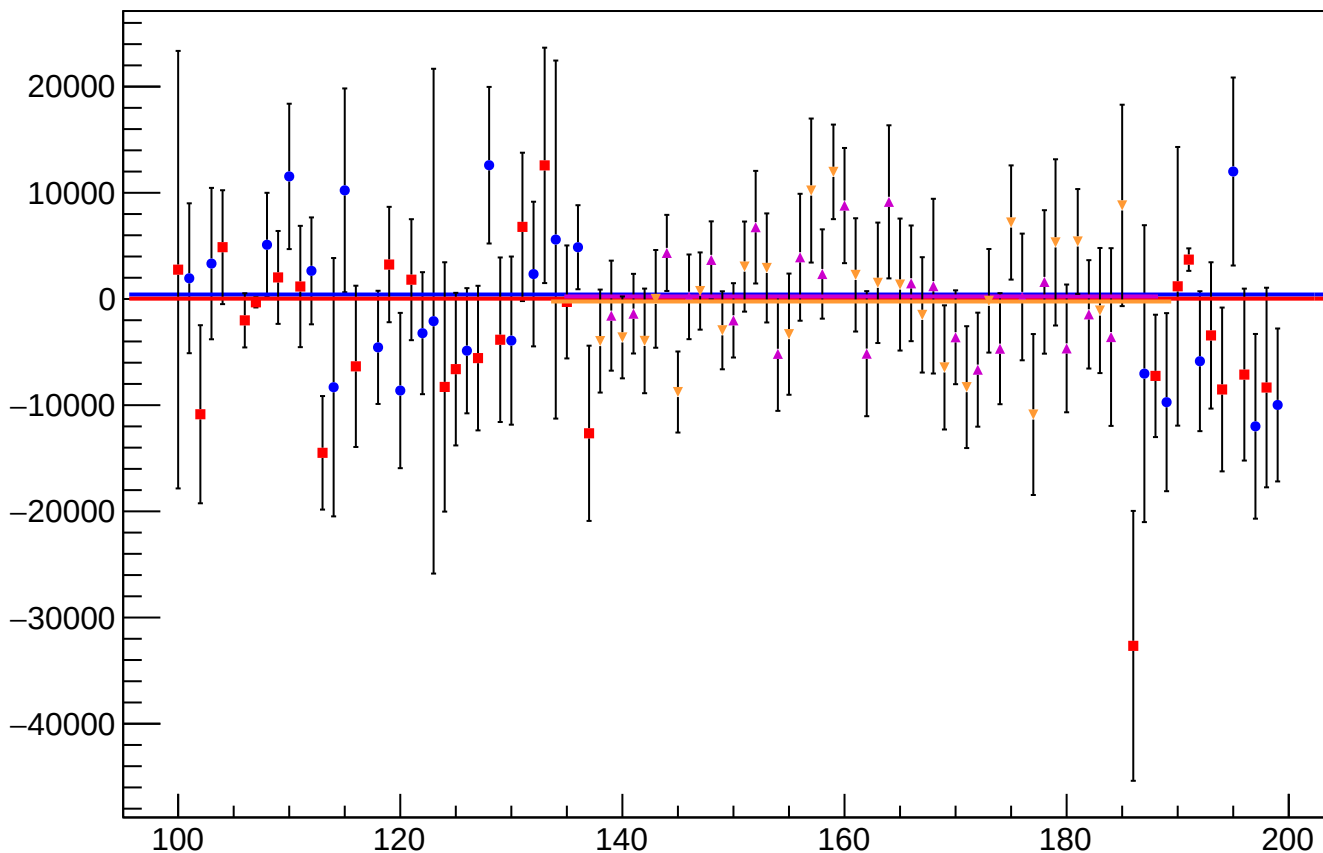
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1798.271+/-0.237 χ^2/NDF : 409821.1/47

All: 1802.595+/-0.168 χ^2/NDF : 900385.5/97

- sign 1806.905+/-0.237 χ^2/NDF : 489901.5/49

asym_atl1r2_dd_correction_mean vs Slug



Right In: 420.434 $\pm$ 1435.132 χ^2 /NDF: 22.1/22

Left Out: -235.806 $\pm$ 1005.144 χ^2 /NDF: 28.9/24

Right Out: 32.297 $\pm$ 413.321 χ^2 /NDF: 42.6/26

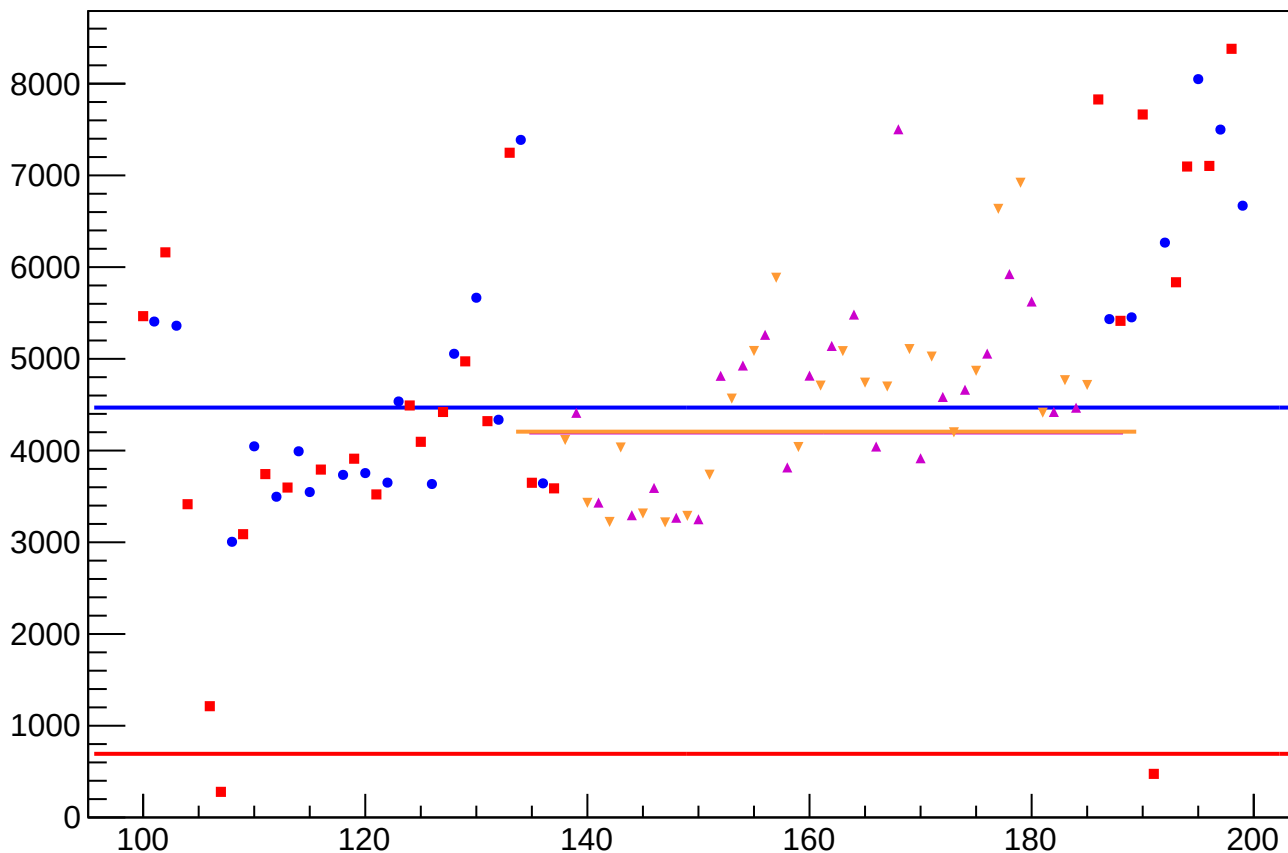
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF: 15.3/22

+ sign -19.836 $\pm$ 823.297 χ^2 /NDF: 51.1/47

All: 46.627 $\pm$ 347.659 χ^2 /NDF: 109.1/97

- sign 61.050 $\pm$ 383.531 χ^2 /NDF: 58.0/49

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4468.738+/-1.015 χ^2/NDF : 1635790.2/22

Left Out: 4206.076+/-0.711 χ^2/NDF :1442269.3/24

Right Out: 693.735+/-0.292 χ^2/NDF : 17995333.5/26

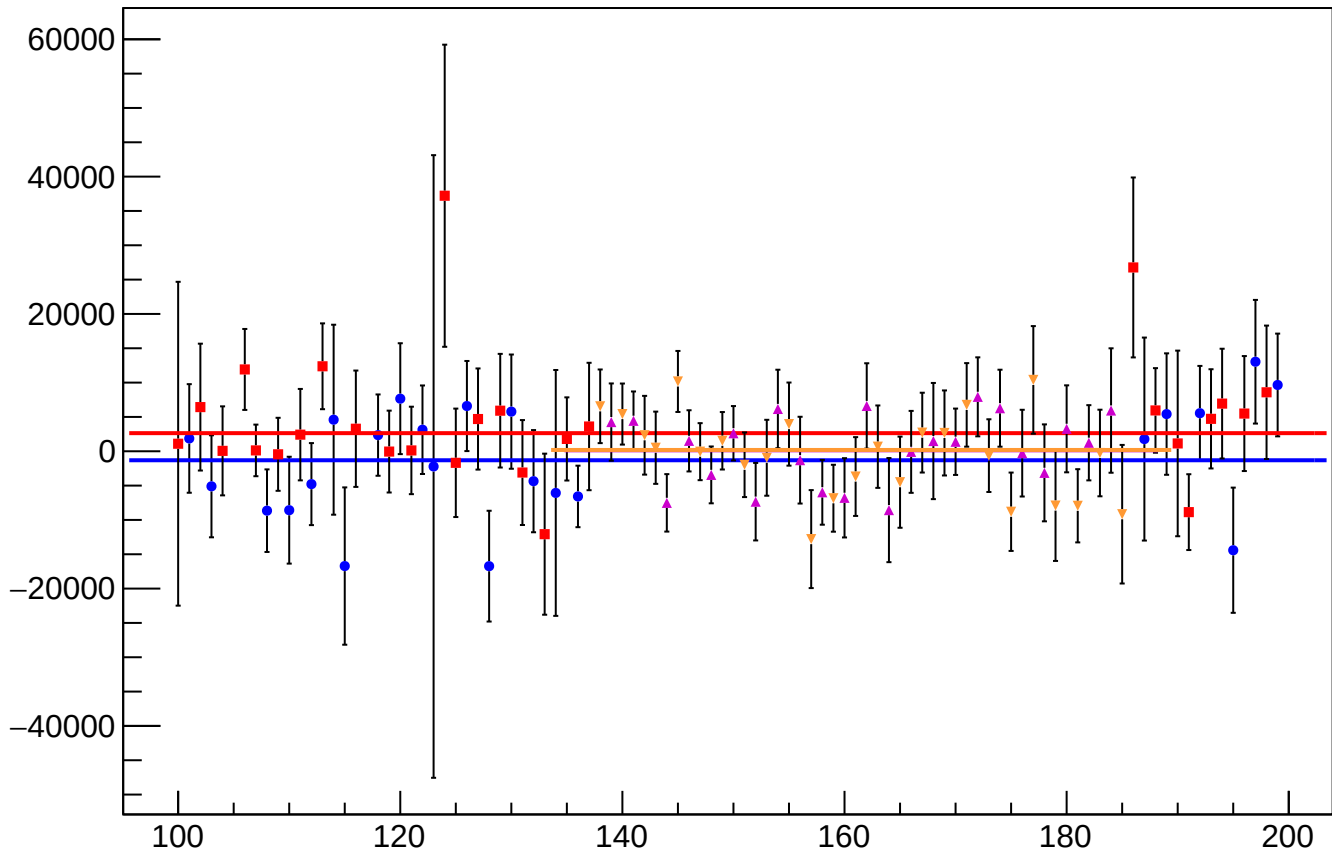
Left In: 4197.267+/-0.728 χ^2/NDF :1471012.9/22

+ sign 4292.519+/-0.582 χ^2/NDF : 3123006.2/47

All: 1735.478+/-0.246 χ^2/NDF : 66036897.2/5

- sign 1180.563+/-0.271 χ^2/NDF : 39434446.5/49

asym_atl1r2_dd_mean vs Slug



Right In: -1309.969 ± 1596.546 χ^2/NDF : 23.0/22

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2638.218 ± 1371.327 χ^2/NDF : 20.5/26

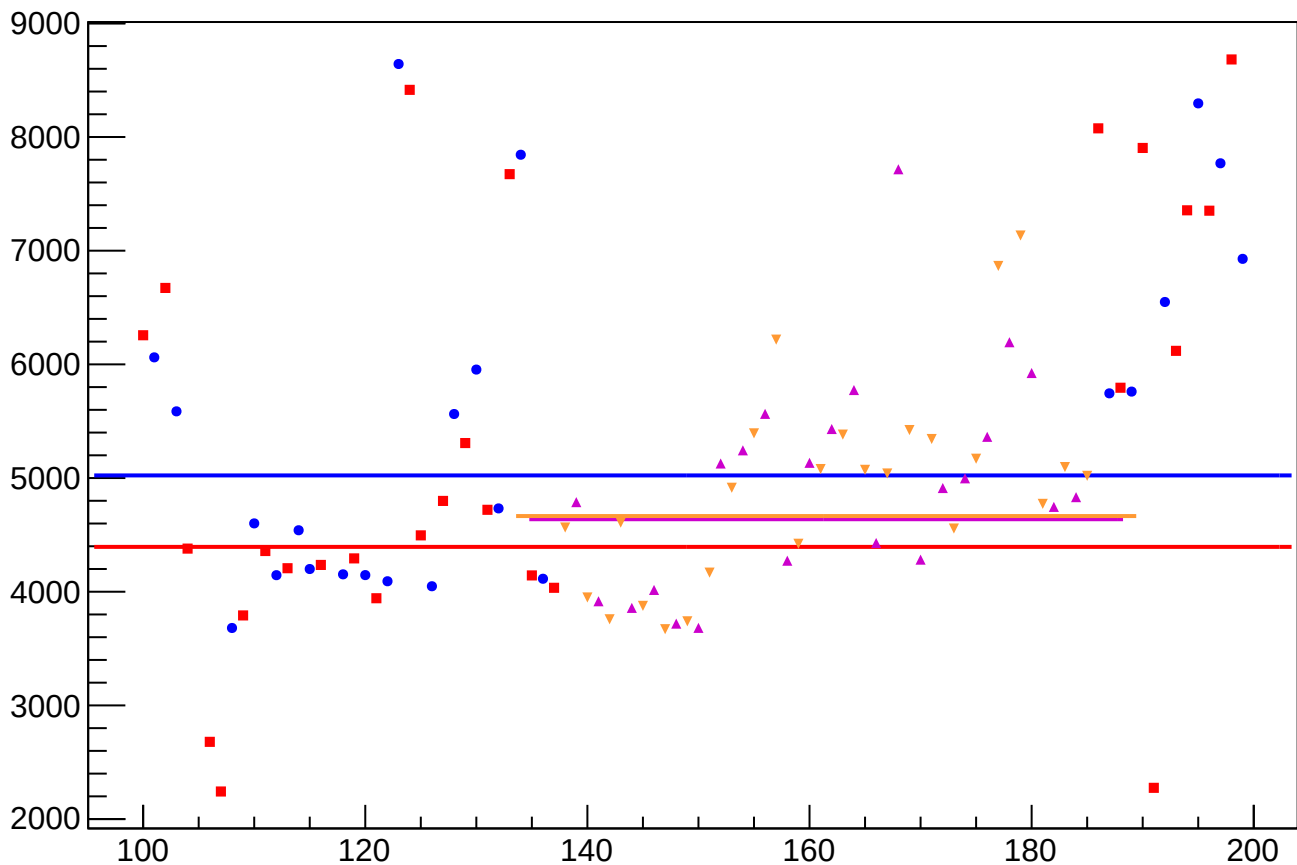
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -297.100 ± 909.631 χ^2/NDF : 48.6/47

All: 456.258 ± 629.448 χ^2/NDF : 91.0/97

- sign 1148.435 ± 871.913 χ^2/NDF : 41.0/49

asym_atl1r2_dd_rms vs Slug



Right In: 5023.108+/-1.129 χ^2/NDF : 1232056.7/22

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

Right Out: 4394.485+/-0.965 χ^2/NDF : 3011037.0/26

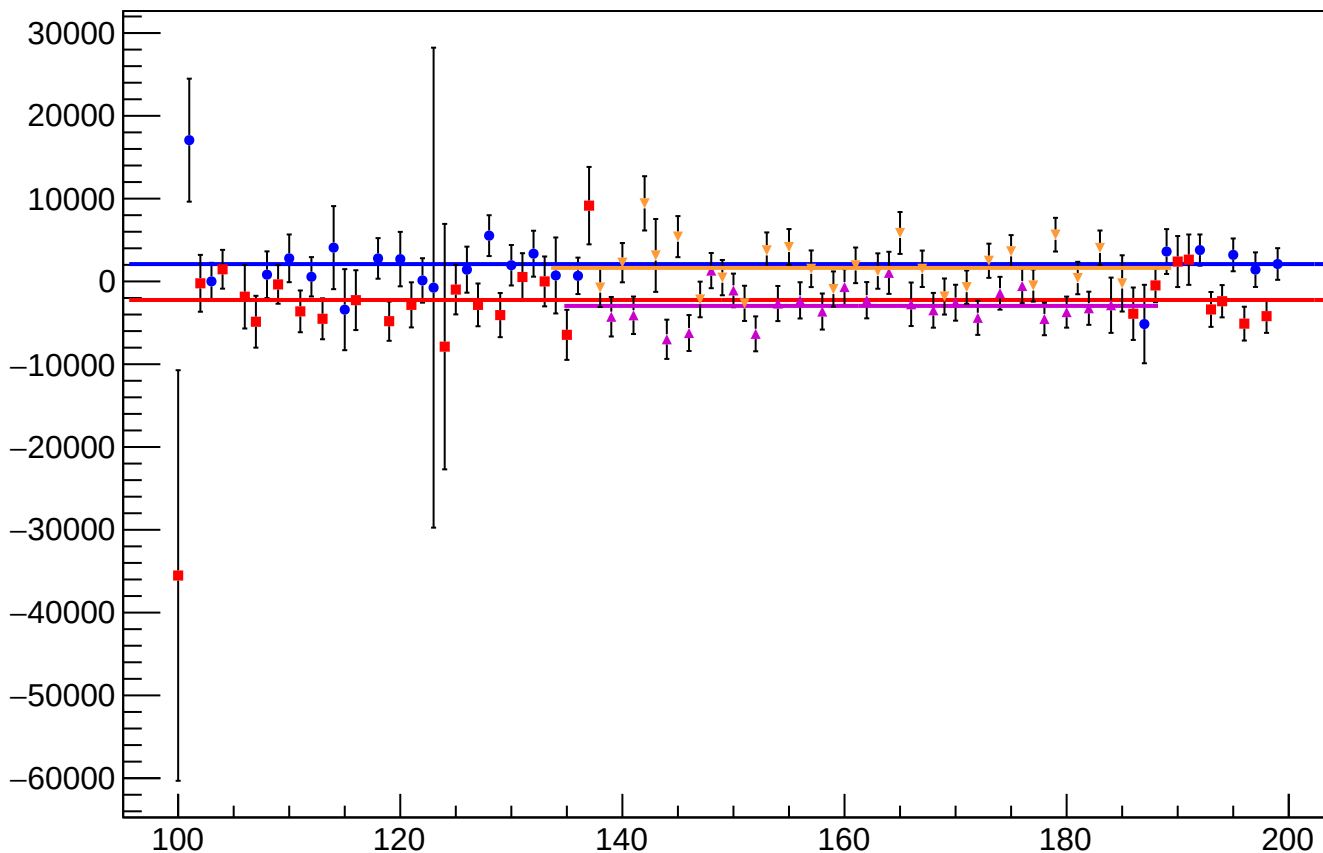
Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

+ sign 4781.666+/-0.643 χ^2/NDF : 2317015.6/47

All: 4654.881+/-0.445 χ^2/NDF : 6505400.9/97

- sign 4538.852+/-0.615 χ^2/NDF : 4113974.3/49

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2093.387 $\pm$ 560.272 χ^2 /NDF: 14.3/22

Left Out: 1630.035 $\pm$ 447.063 χ^2 /NDF:35.4/24

Right Out: -2241.313 $\pm$ 523.065 χ^2 /NDF: 27.6/26

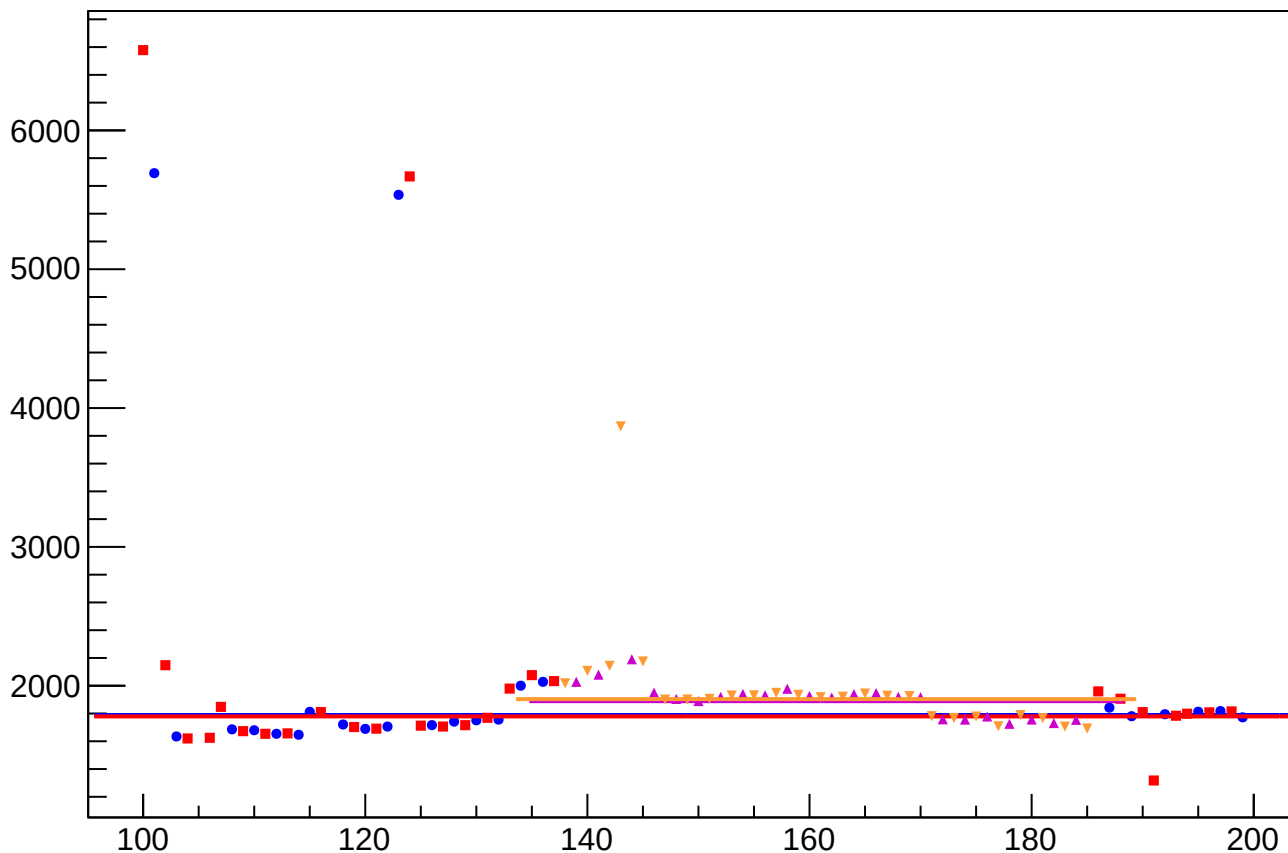
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF:20.4/22

+ sign 1810.287 $\pm$ 349.449 χ^2 /NDF: 50.1/47

All: -463.493 $\pm$ 244.687 χ^2 /NDF: 182.3/97

- sign -2650.660 $\pm$ 342.729 χ^2 /NDF: 49.1/49

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1789.041 $\pm$ 0.396 χ^2 /NDF: 645851.5/22

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1778.991 $\pm$ 0.368 χ^2 /NDF: 368552.2/26

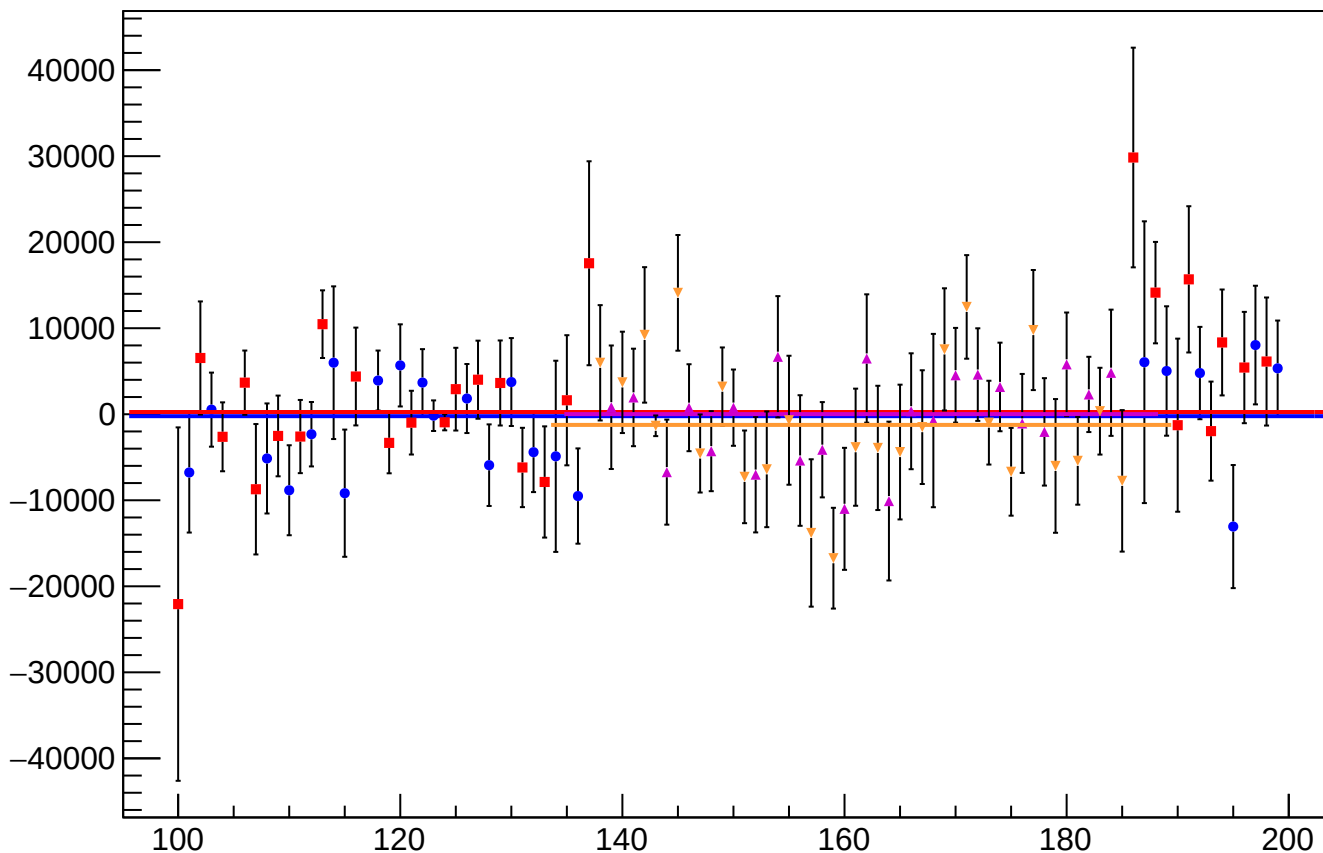
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1859.046 $\pm$ 0.247 χ^2 /NDF: 1238531.2/47

All: 1850.093 $\pm$ 0.173 χ^2 /NDF: 1786721.3/97

- sign 1841.511 $\pm$ 0.242 χ^2 /NDF: 545619.0/49

asym_atr1l2_avg_correction_mean vs Slug



Right In: -225.439 ± 950.219 χ^2/NDF : 23.7/22

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: 260.564 ± 697.576 χ^2/NDF : 40.2/26

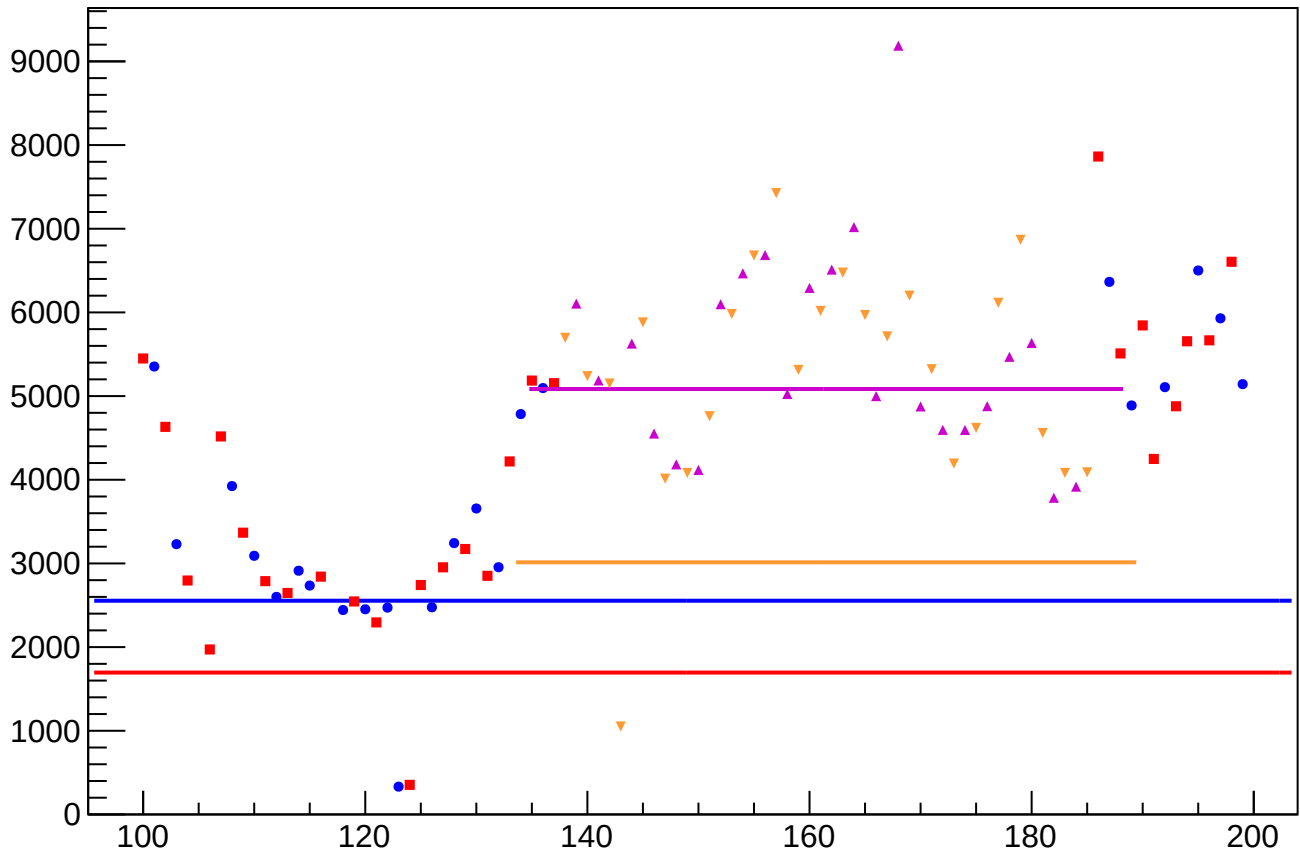
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -780.037 ± 639.739 χ^2/NDF : 58.2/47

All: -264.359 ± 440.853 χ^2/NDF : 112.9/97

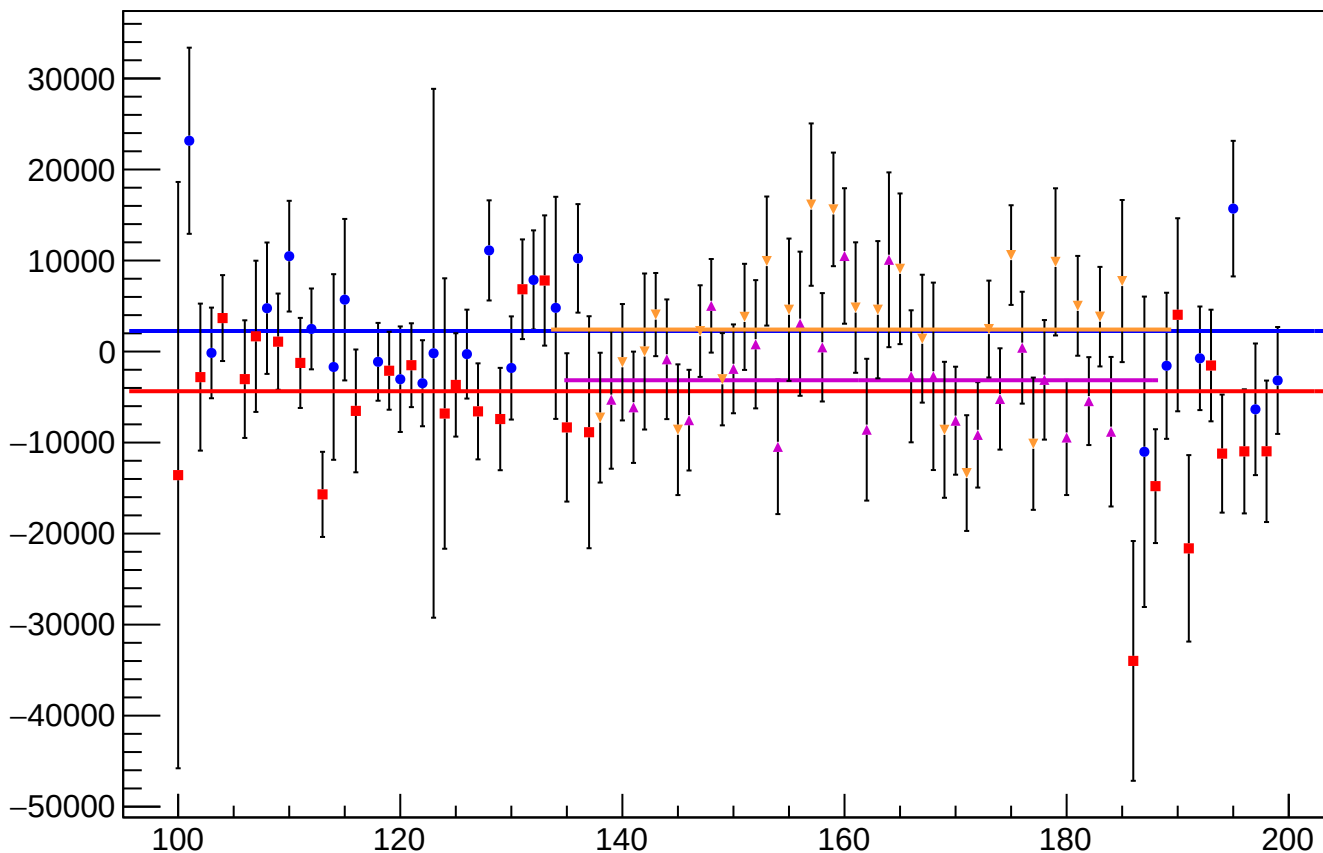
- sign 201.977 ± 608.364 χ^2/NDF : 53.5/49

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2554.361+/-0.672	χ^2/NDF : 6542916.7/22	+ sign 2805.259+/-0.452	χ^2/NDF : 19068708.3/47
Left Out: 3013.268+/-0.612	χ^2/NDF : 12270753.9/24	All: 2648.662+/-0.312	χ^2/NDF : 44016888.7/5
Right Out: 1695.649+/-0.493	χ^2/NDF : 12114468.2/26	- sign 2507.048+/-0.430	χ^2/NDF : 24719972.4/49
Left In: 5084.645+/-0.879	χ^2/NDF : 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2257.604 $\pm$ 1301.671 χ^2 /NDF: 22.5/22

Left Out: 2417.210 $\pm$ 1286.482 χ^2 /NDF:29.9/24

Right Out: -4359.770 $\pm$ 1229.904 χ^2 /NDF: 33.9/26

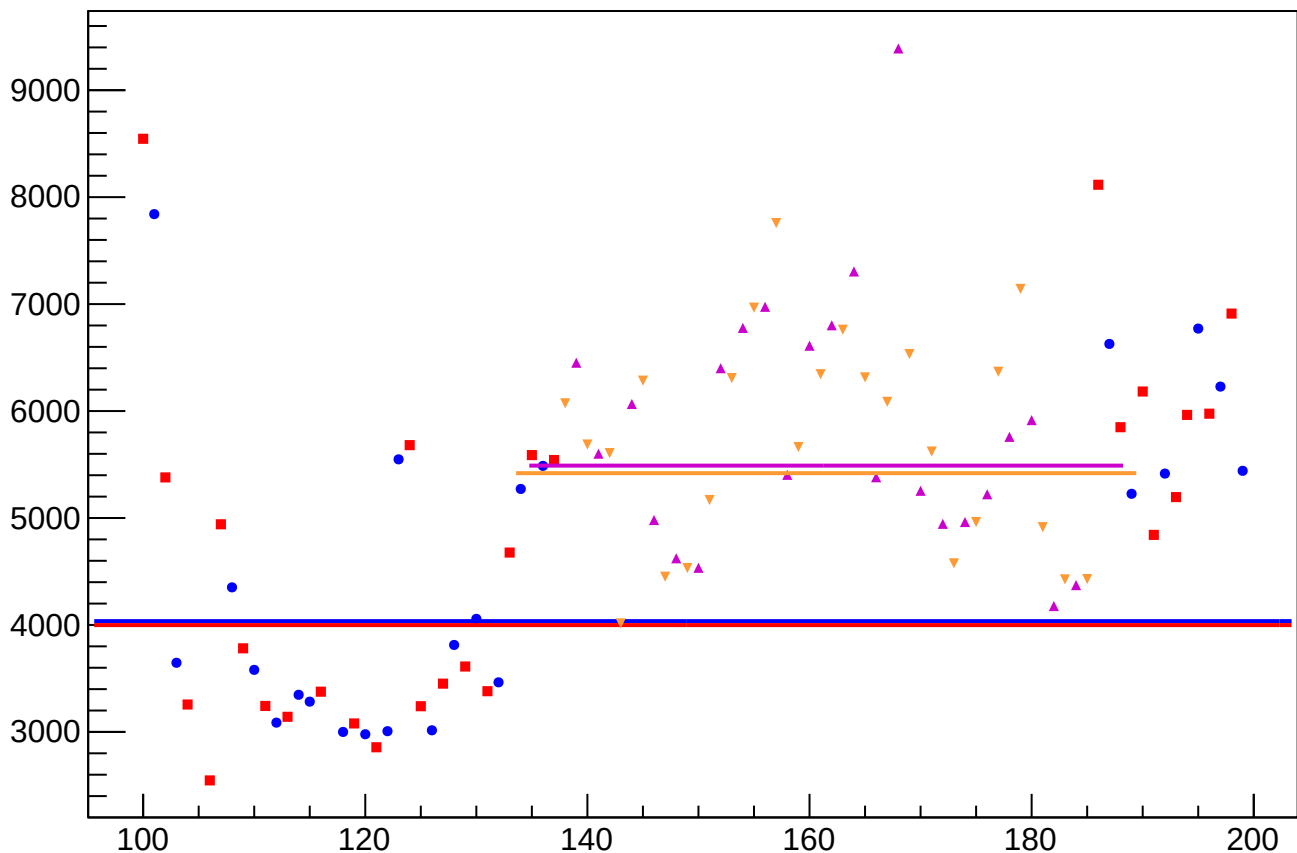
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

+ sign 2338.343 $\pm$ 915.003 χ^2 /NDF: 52.4/47

All: -767.138 $\pm$ 643.542 χ^2 /NDF: 125.1/97

- sign -3807.021 $\pm$ 905.288 χ^2 /NDF: 49.9/49

asym_atr1l2_avg_rms vs Slug



Right In: 4035.984 $\pm$ 0.920 χ^2 /NDF: 1731246.9/22

Left Out: 5419.305 $\pm$ 0.910 χ^2 /NDF: 1109972.1/24

Right Out: 3998.738 $\pm$ 0.860 χ^2 /NDF: 2106191.3/26

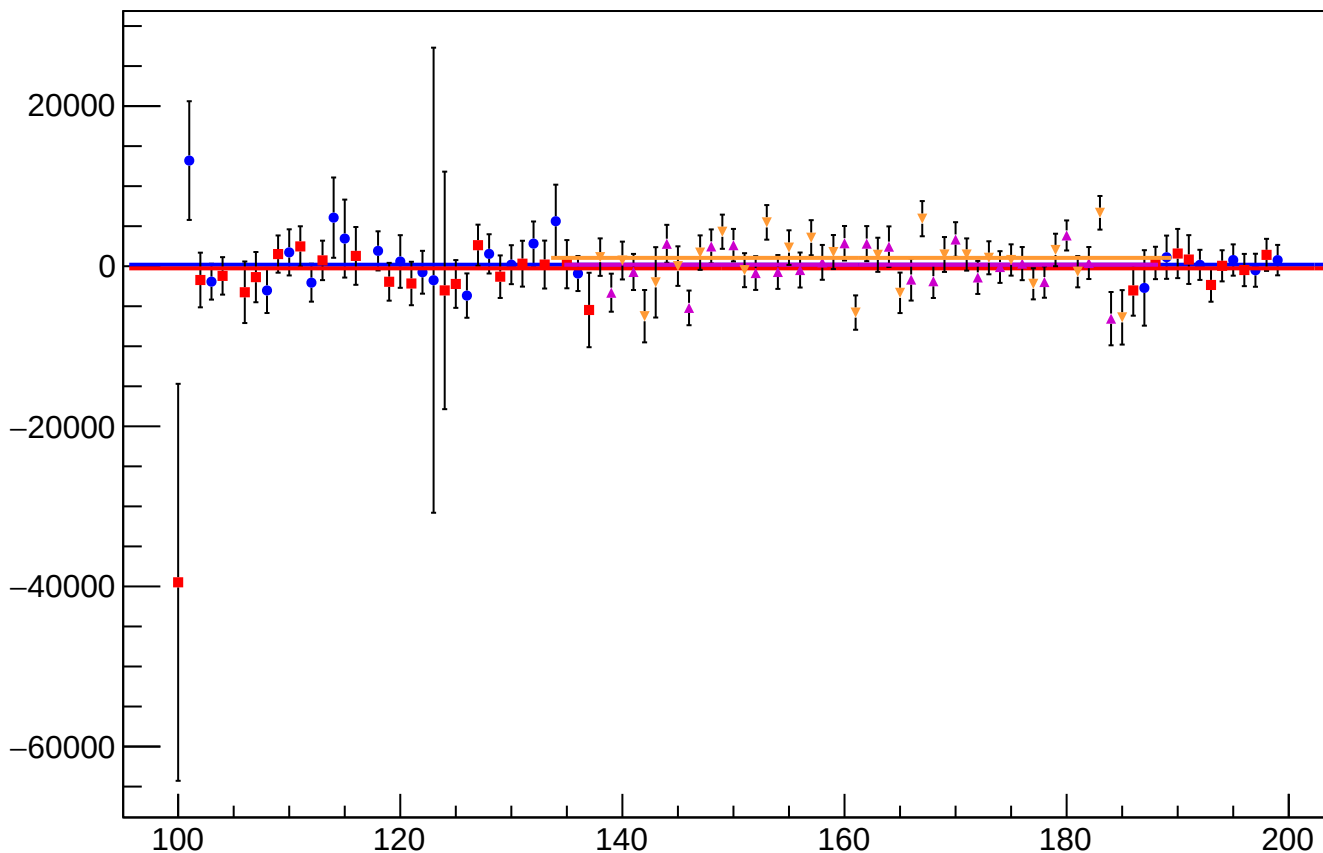
Left In: 5489.885 $\pm$ 0.946 χ^2 /NDF: 1064353.3/22

+ sign 4735.759 $\pm$ 0.647 χ^2 /NDF: 3983870.0/47

All: 4704.230 $\pm$ 0.454 χ^2 /NDF: 8519932.4/97

- sign 4673.741 $\pm$ 0.636 χ^2 /NDF: 4531391.5/49

reg_asym_atr1l2_dd_mean vs Slug



Right In: 187.588 ± 557.609 χ^2/NDF : 14.5/22

Left Out: 1041.262 ± 446.249 χ^2/NDF : 48.6/24

Right Out: -268.037 ± 520.816 χ^2/NDF : 13.0/26

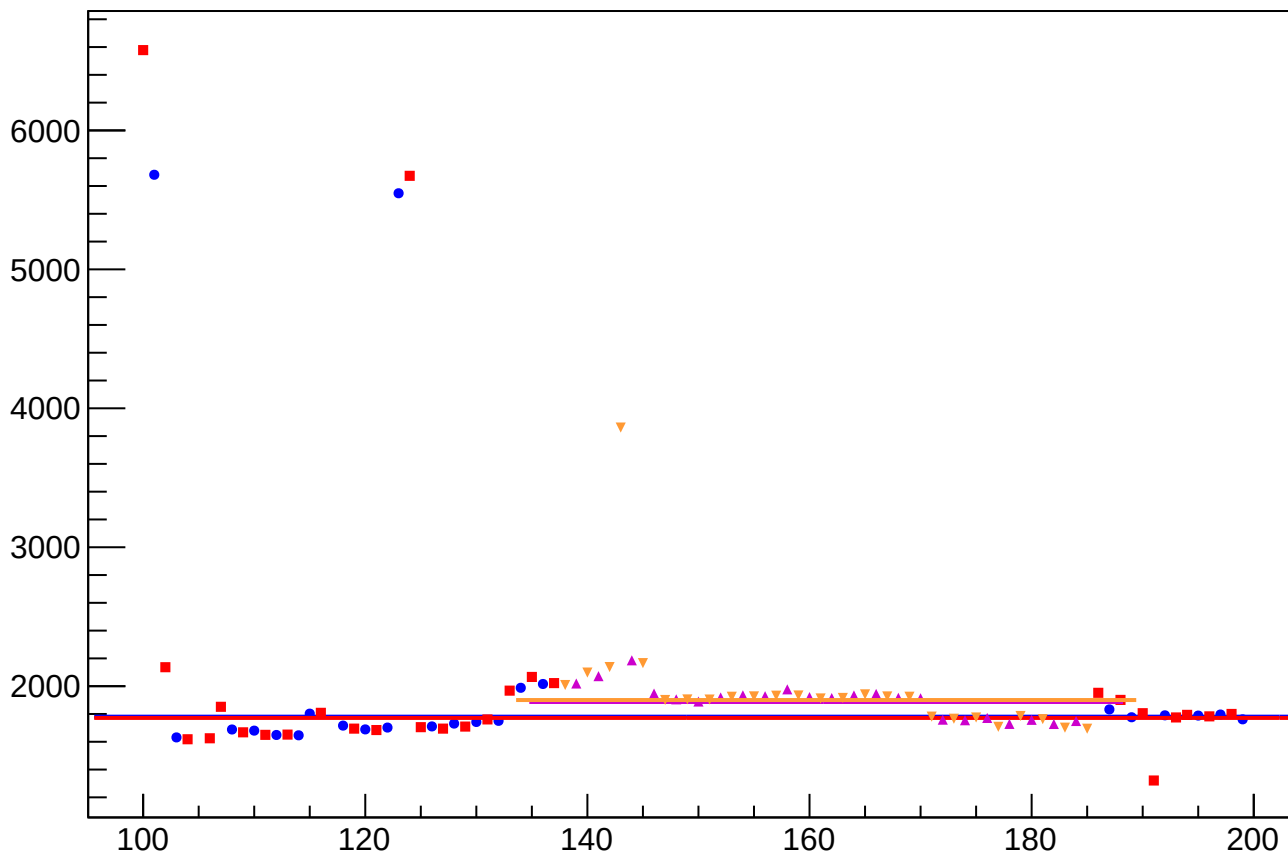
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 707.973 ± 348.413 χ^2/NDF : 64.5/47

All: 344.077 ± 244.001 χ^2/NDF : 110.1/97

- sign -6.183 ± 341.822 χ^2/NDF : 43.5/49

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1780.656+/-0.394 χ^2/NDF : 643656.4/22

Left Out: 1900.295+/-0.316 χ^2/NDF : 537892.5/24

Right Out: 1771.597+/-0.367 χ^2/NDF : 365229.0/26

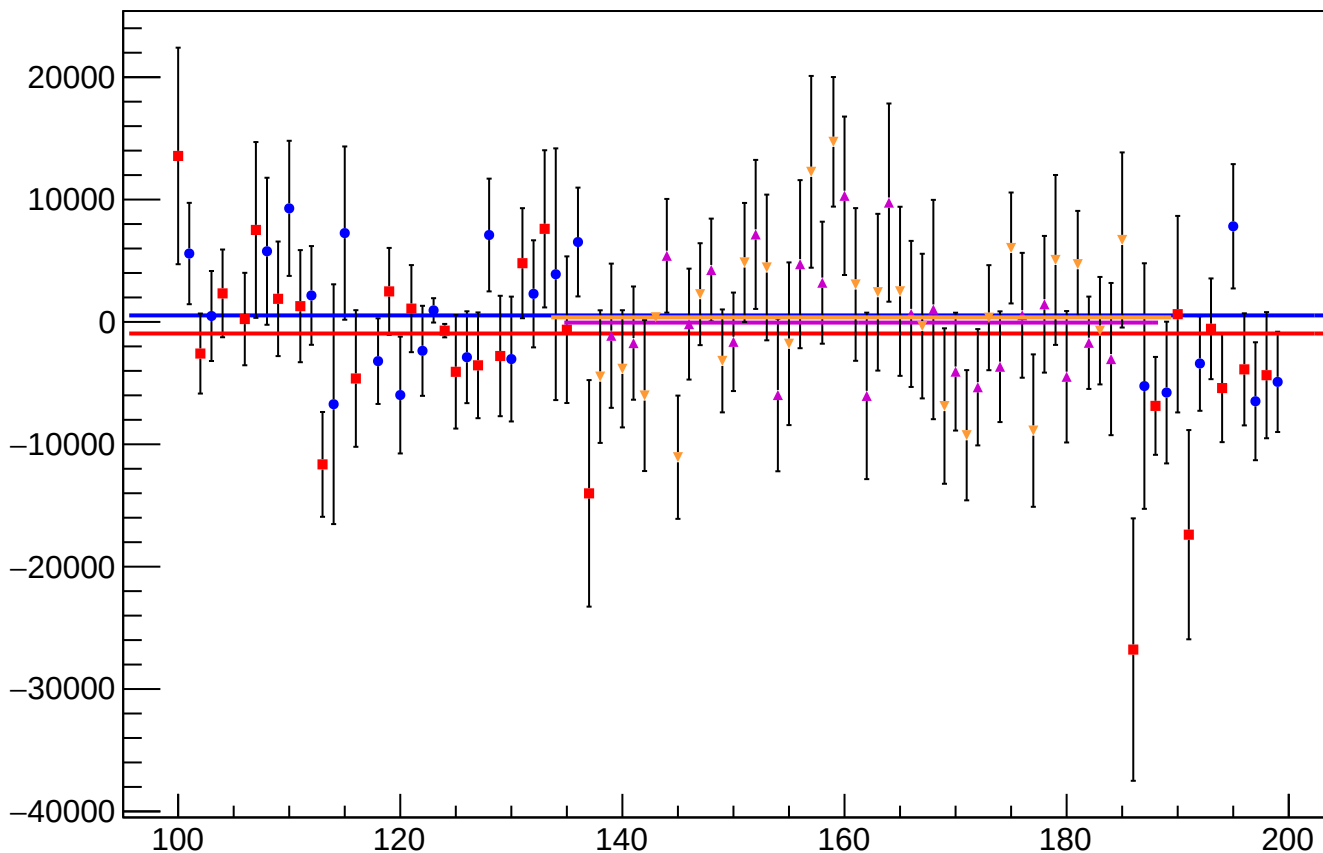
Left In: 1886.378+/-0.320 χ^2/NDF : 123520.6/22

+ sign 1853.585+/-0.246 χ^2/NDF : 1237673.1/47

All: 1844.972+/-0.172 χ^2/NDF : 1784365.2/97

- sign 1836.710+/-0.241 χ^2/NDF : 544297.4/49

asym_atr1l2_dd_correction_mean vs Slug



Right In: 532.527 $\pm$ 705.312 χ^2 /NDF: 24.1/22

Left Out: 373.277 $\pm$ 382.071 χ^2 /NDF:30.8/24

Right Out: -946.023 $\pm$ 471.911 χ^2 /NDF: 33.9/26

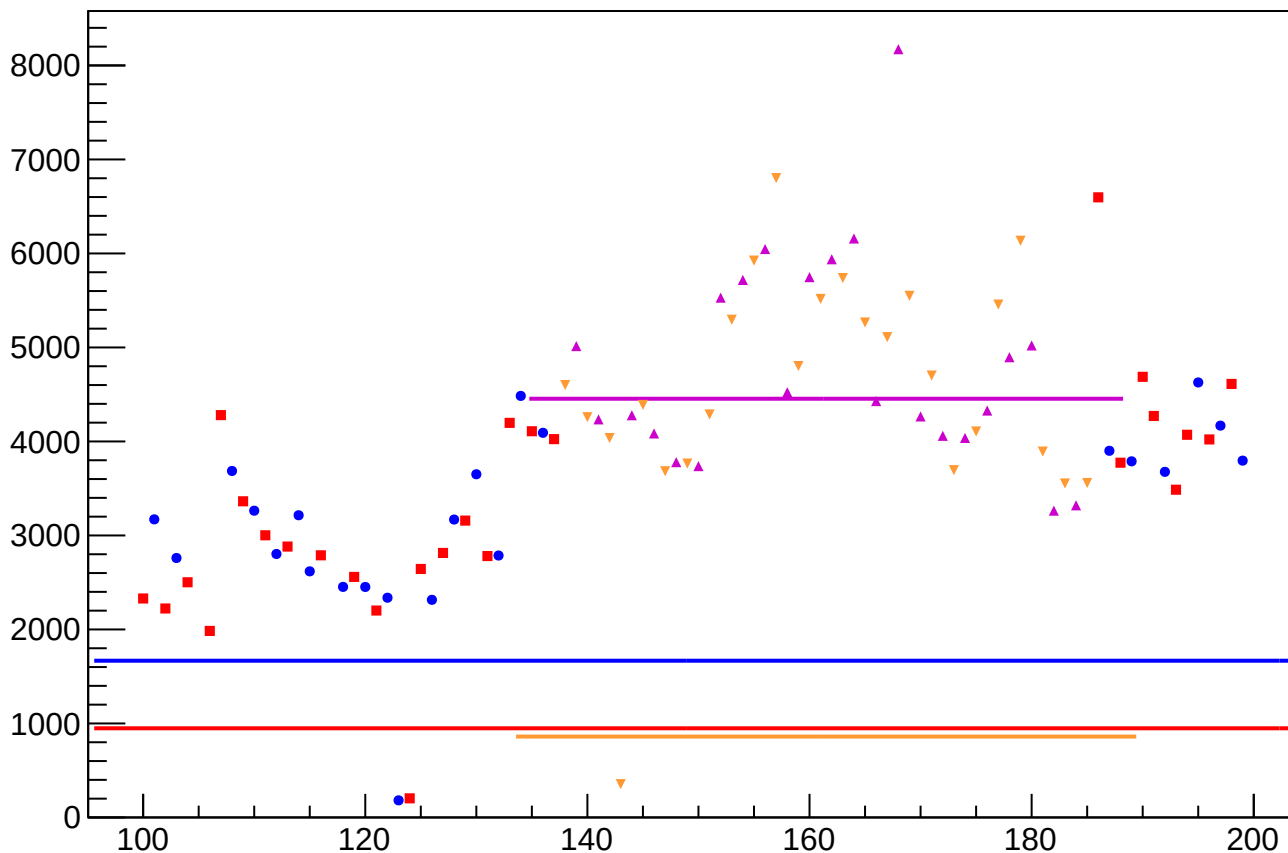
Left In: -53.099 $\pm$ 1089.888 χ^2 /NDF:14.5/22

+ sign 409.406 $\pm$ 335.947 χ^2 /NDF: 54.9/47

All: -46.864 $\pm$ 265.441 χ^2 /NDF: 108.9/97

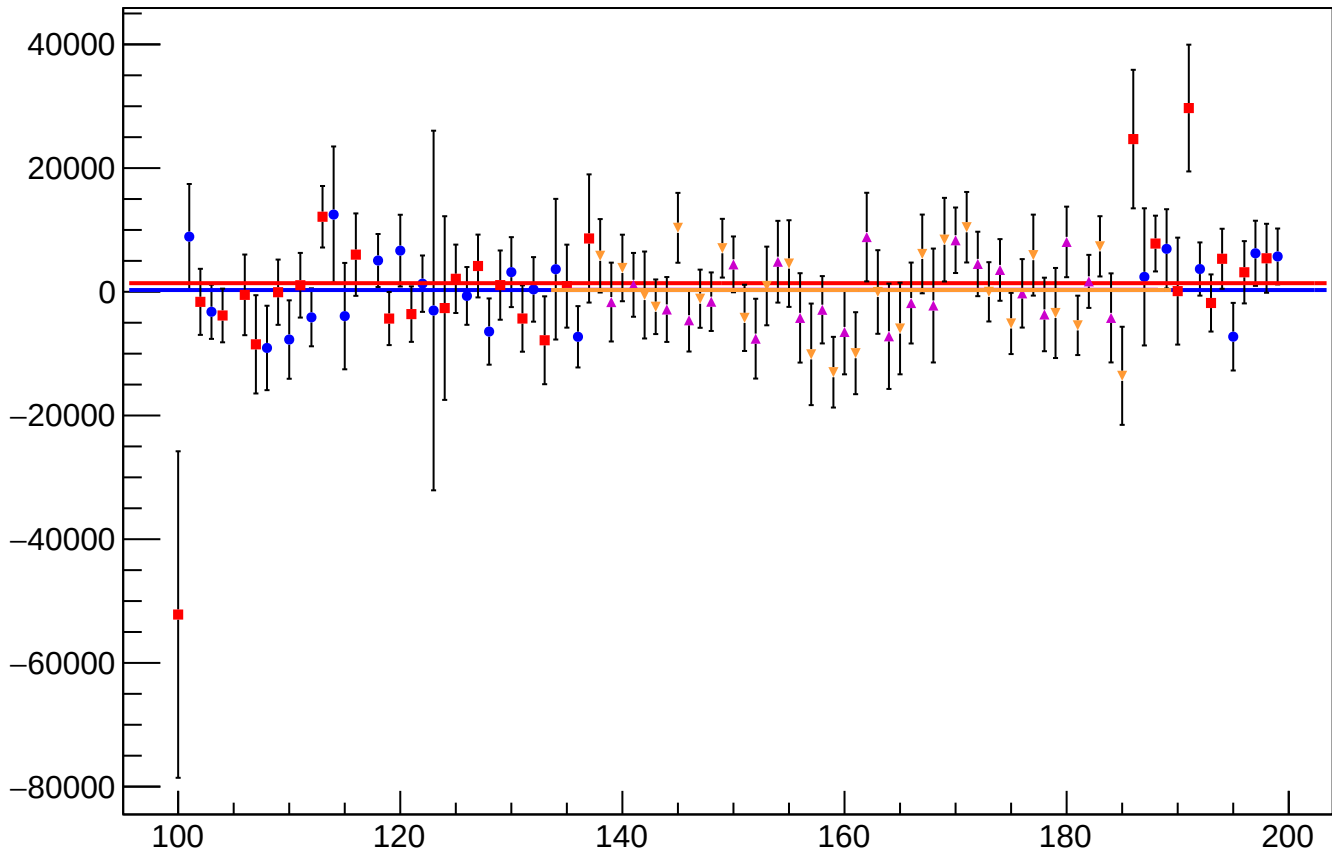
- sign -805.047 $\pm$ 433.059 χ^2 /NDF: 49.0/49

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1667.436 $\pm$ 0.499	χ^2 /NDF: 9868391.2/22	+ sign 1043.605 $\pm$ 0.238	χ^2 /NDF: 38232211.4/47
Left Out: 860.545 $\pm$ 0.270	χ^2 /NDF: 26340106.5/24	All: 1215.841 $\pm$ 0.188	χ^2 /NDF: 74253690.3/5
Right Out: 948.536 $\pm$ 0.334	χ^2 /NDF: 15845152.4/26	- sign 1502.046 $\pm$ 0.306	χ^2 /NDF: 34622224.5/49
Left In: 4454.402 $\pm$ 0.771	χ^2 /NDF: 1349758.1/22		

asym_atr1l2_dd_mean vs Slug



Right In: 284.896 ± 1182.439 χ^2/NDF : 20.7/22

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 1395.097 ± 1115.653 χ^2/NDF : 35.3/26

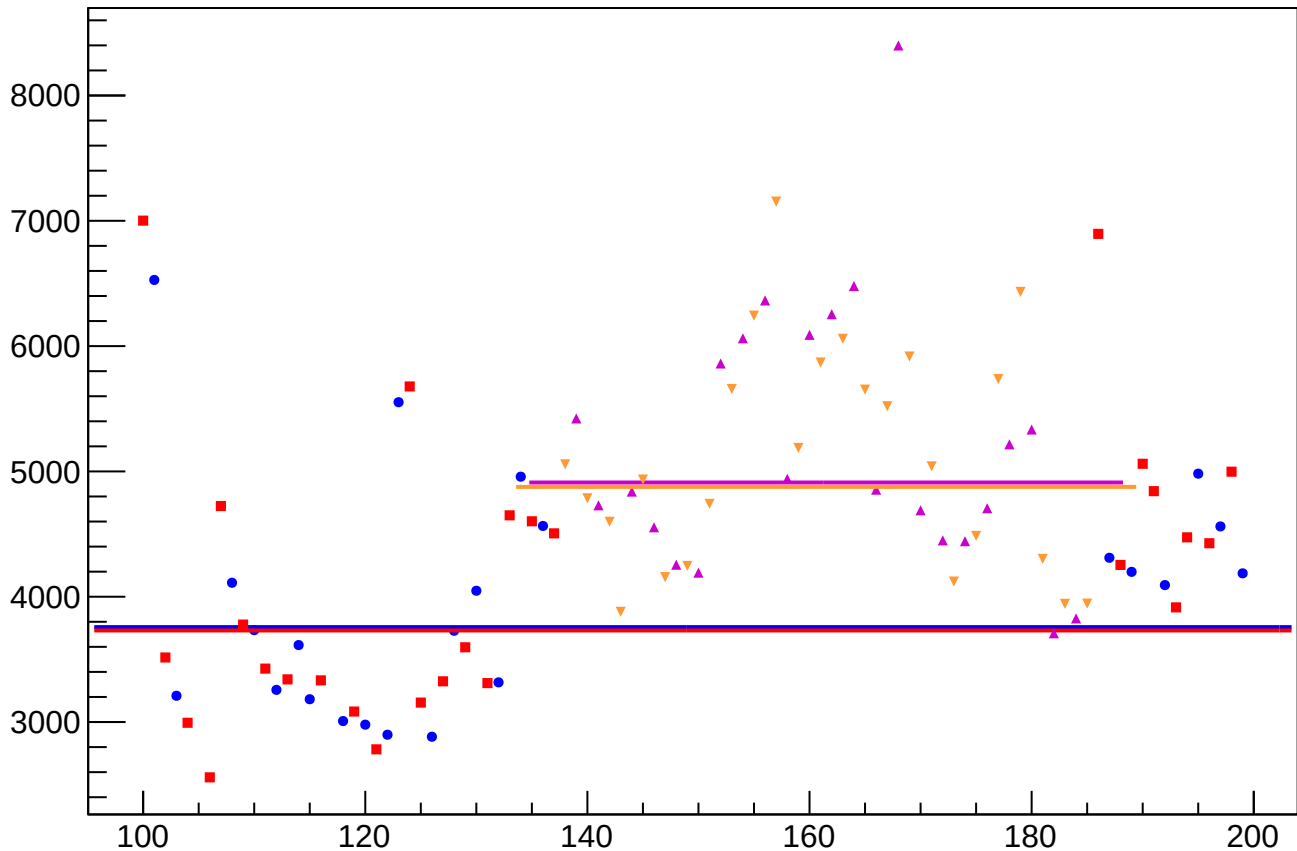
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign 286.744 ± 826.392 χ^2/NDF : 53.1/47

All: 597.669 ± 580.572 χ^2/NDF : 103.7/97

- sign 900.686 ± 815.816 χ^2/NDF : 50.3/49

asym_atr1l2_dd_rms vs Slug



Right In: 3757.518 $\pm$ 0.836 χ^2 /NDF: 813095.0/22

Left Out: 4876.564 $\pm$ 0.817 χ^2 /NDF: 972528.1/24

Right Out: 3730.818 $\pm$ 0.782 χ^2 /NDF: 999522.1/26

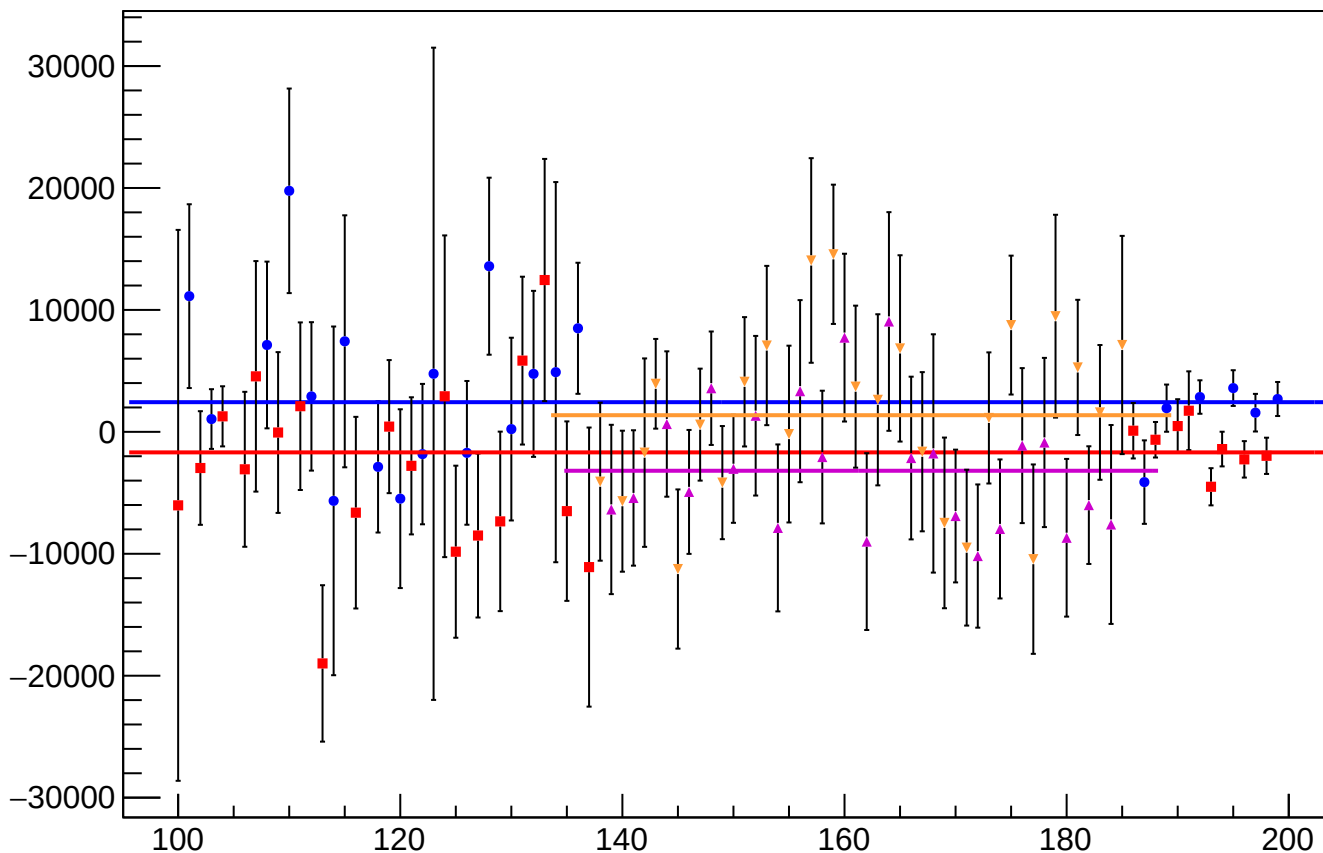
Left In: 4911.546 $\pm$ 0.846 χ^2 /NDF: 1043164.6/22

+ sign 4329.970 $\pm$ 0.584 χ^2 /NDF: 2701977.6/47

All: 4301.884 $\pm$ 0.409 χ^2 /NDF: 5800410.1/97

- sign 4274.782 $\pm$ 0.574 χ^2 /NDF: 3093893.2/49

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2433.641 $\pm$ 602.567 χ^2 /NDF: 18.8/22

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -1684.262 $\pm$ 549.350 χ^2 /NDF: 24.5/26

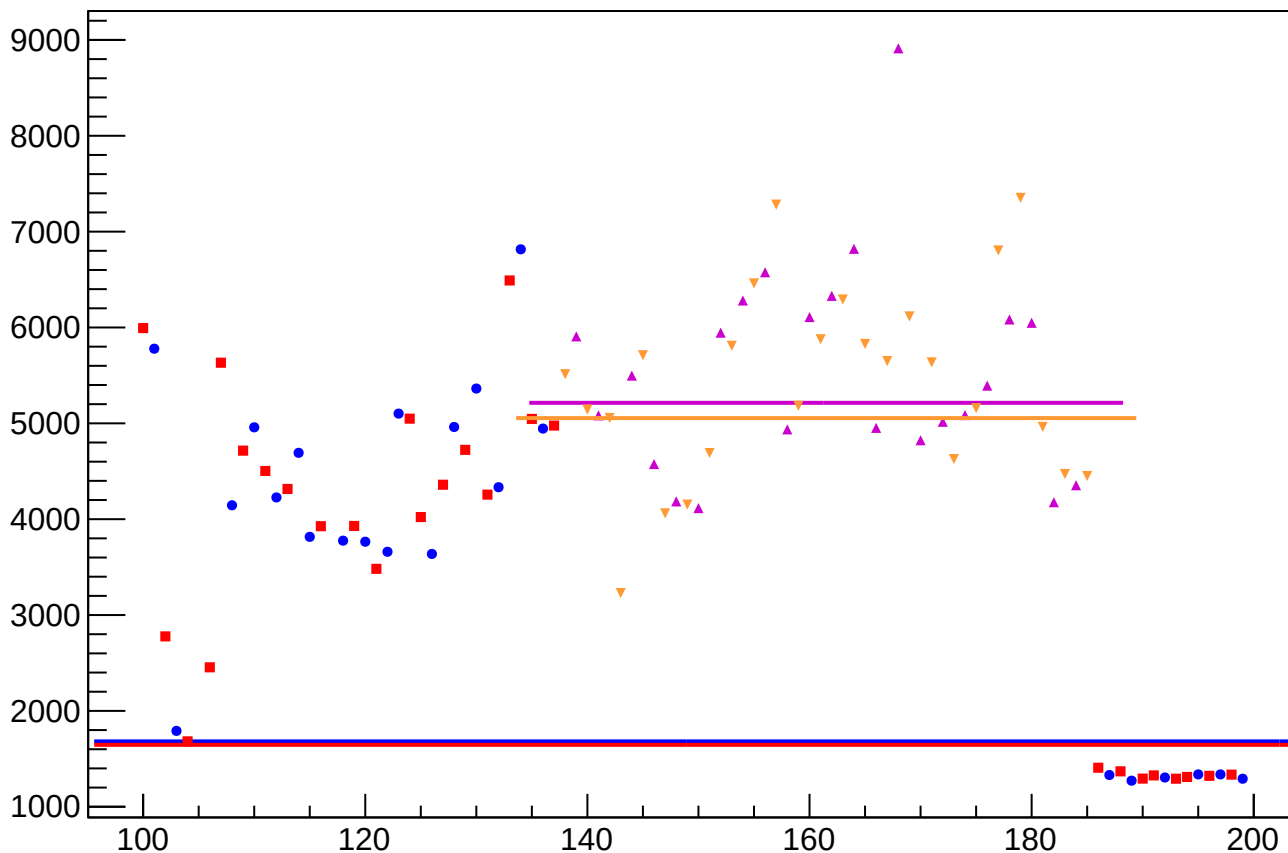
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 2220.250 $\pm$ 539.054 χ^2 /NDF: 47.4/47

All: 11.030 $\pm$ 368.230 χ^2 /NDF: 118.5/97

- sign -1921.767 $\pm$ 504.203 χ^2 /NDF: 39.7/49

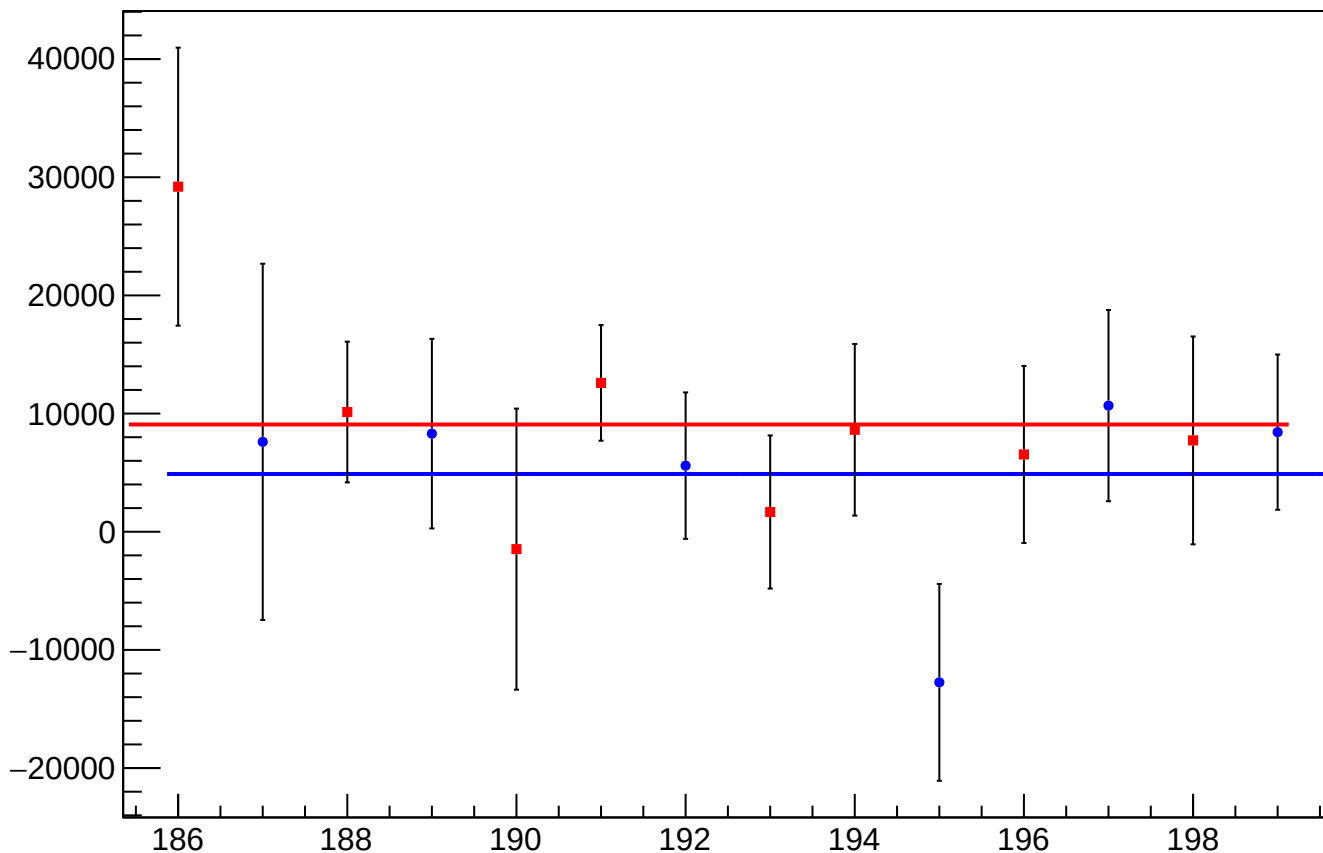
reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1681.637 $\pm$ 0.426 χ^2 /NDF: 5412445.0/22
 Left Out: 5054.711 $\pm$ 0.853 χ^2 /NDF:1437224.7/24
 Right Out: 1646.062 $\pm$ 0.388 χ^2 /NDF: 5410238.9/26
 Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF:1052501.5/22

+ sign 2355.232 $\pm$ 0.381 χ^2 /NDF: 19365179.0/47
 All: 2276.104 $\pm$ 0.260 χ^2 /NDF: 39212680.9/5
 - sign 2207.046 $\pm$ 0.356 χ^2 /NDF: 19766795.2/49

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 4884.437+/-3180.730 χ^2/NDF : 5.5/5

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

Right Out: 9076.474+/-2517.359 χ^2/NDF : 5.7/7

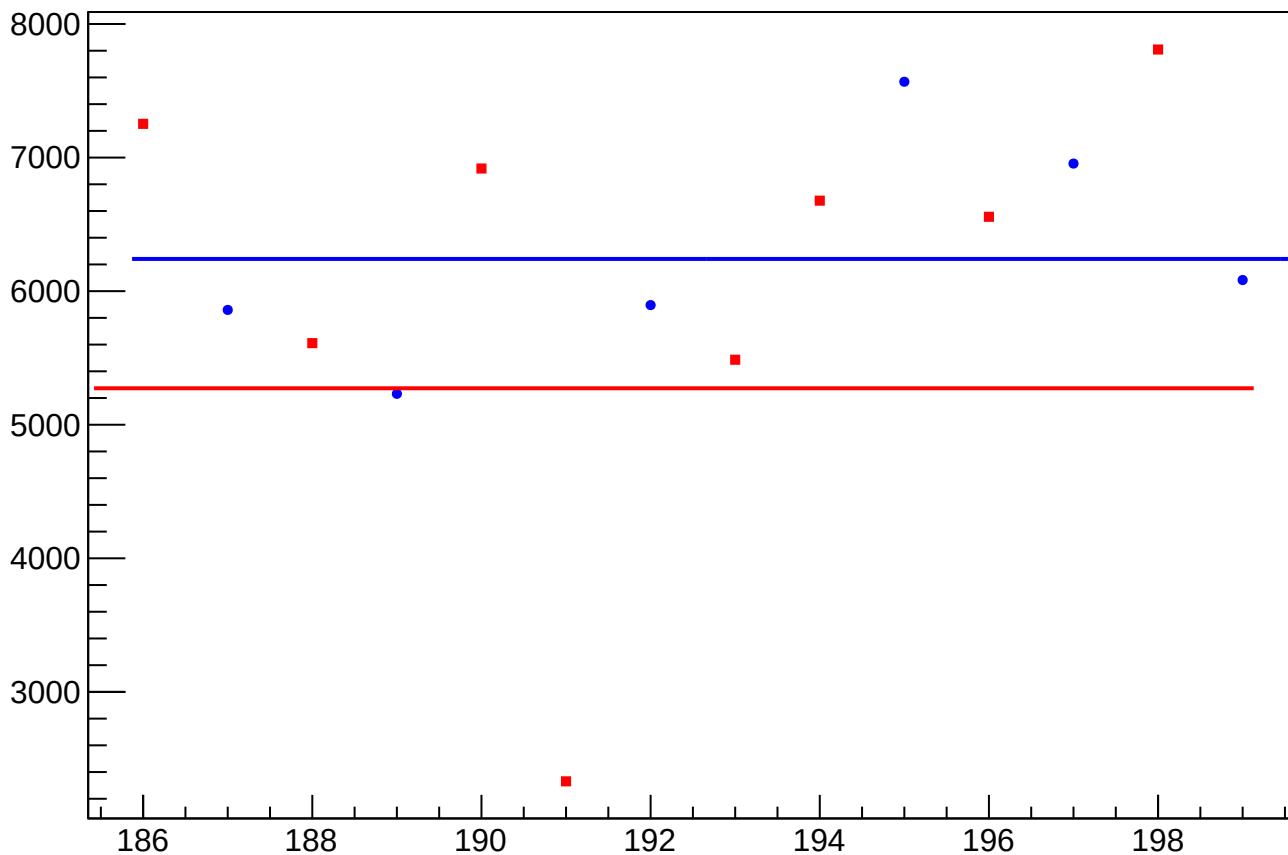
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7461.966+/-1973.942 χ^2/NDF : 12.3/13

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 6241.237+/-2.249 χ^2/NDF : 106630.4/5

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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

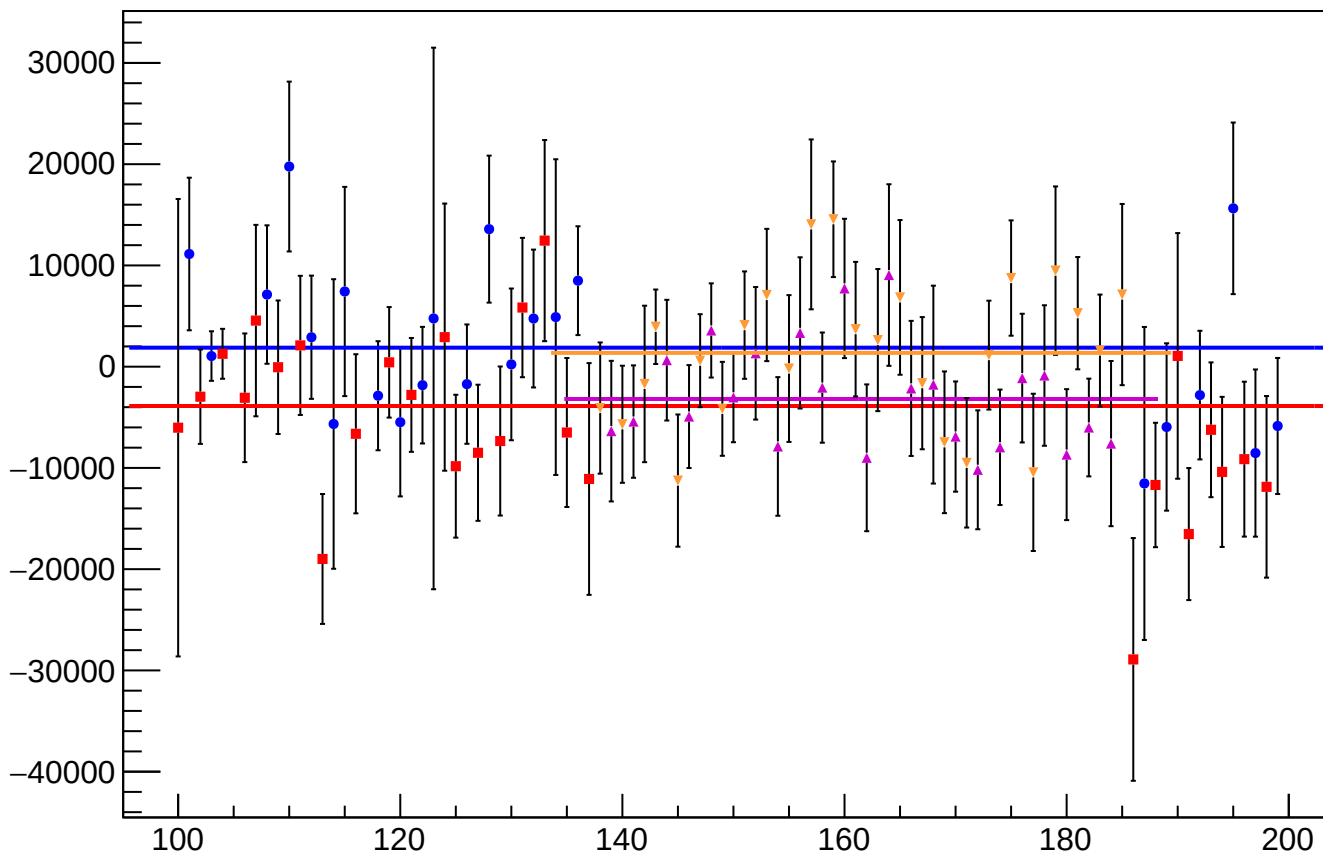
Right Out: 5273.030+/-1.780 χ^2/NDF : 1126412.7/7

All: 5645.922+/-1.396 χ^2/NDF : 1346987.2/13

- 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: 1876.274 $\pm$ 1329.092 χ^2 /NDF: 22.1/22

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -3884.857 $\pm$ 1234.493 χ^2 /NDF: 31.6/26

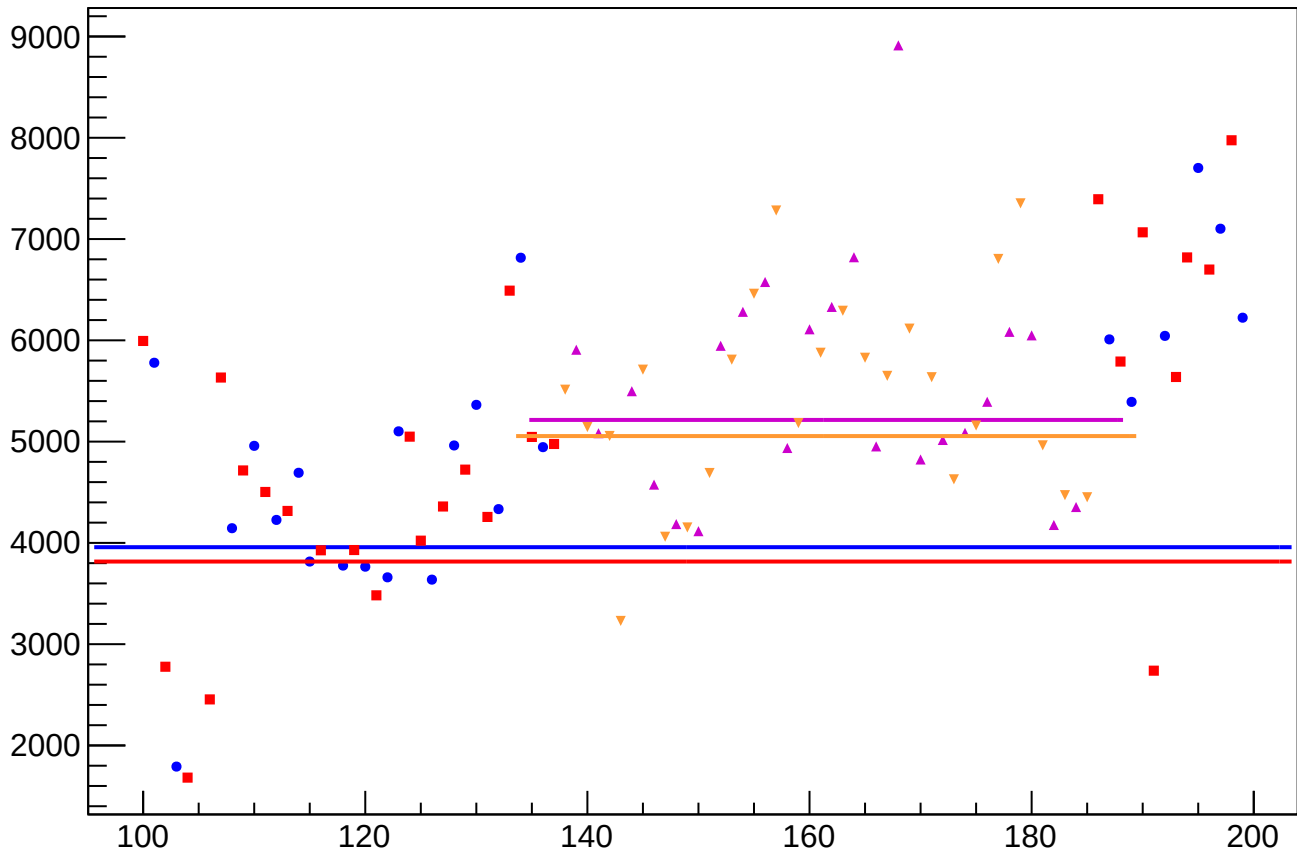
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 1595.971 $\pm$ 893.234 χ^2 /NDF: 50.1/47

All: -999.138 $\pm$ 628.756 χ^2 /NDF: 112.6/97

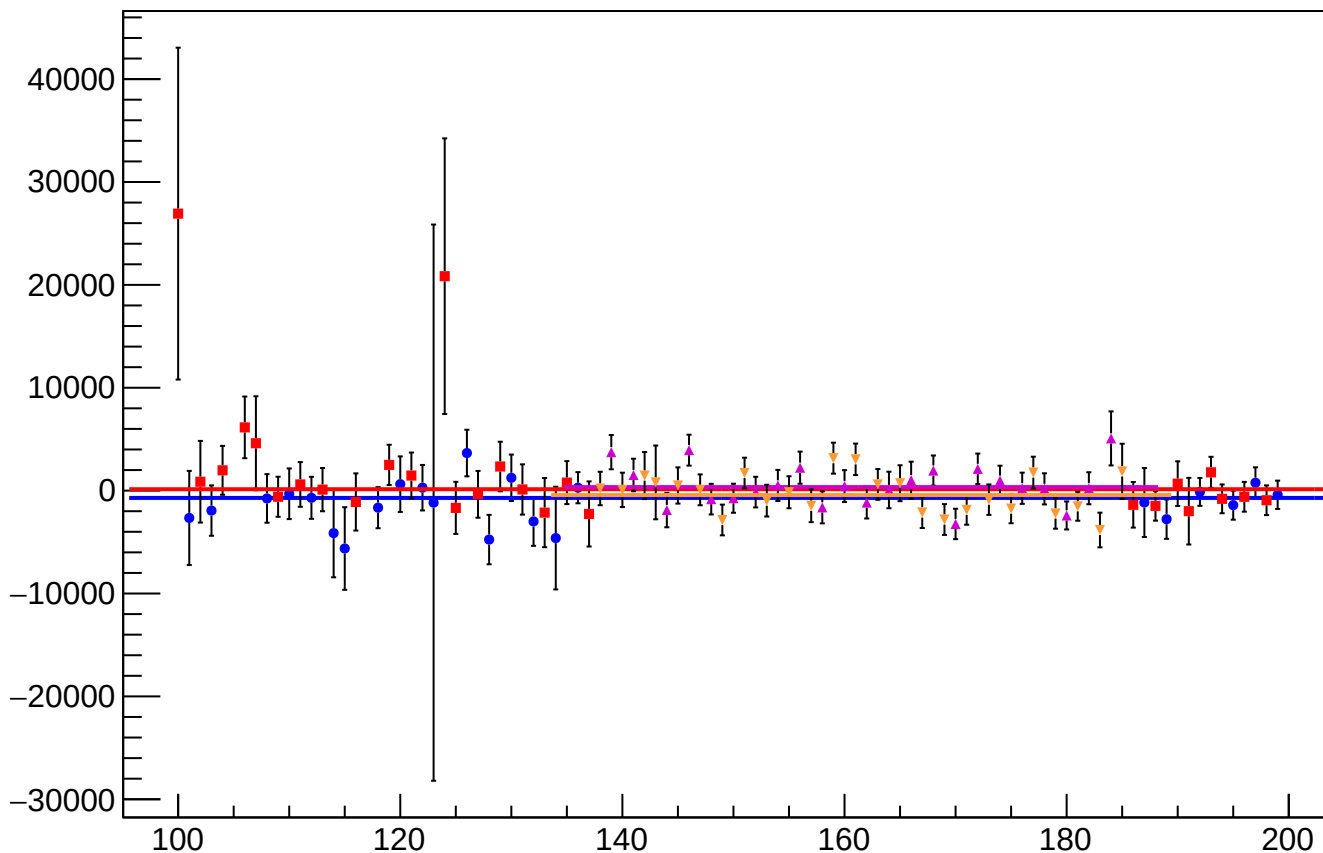
- sign -3547.847 $\pm$ 885.212 χ^2 /NDF: 45.8/49

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3957.647+/-0.940	χ^2/NDF : 3208937.7/22	+ sign 4559.191+/-0.632	χ^2/NDF : 5393361.7/47
Left Out: 5054.711+/-0.853	χ^2/NDF : 1437224.7/24		
Right Out: 3815.864+/-0.867	χ^2/NDF : 3962648.3/26	All: 4524.169+/-0.444	χ^2/NDF : 11669992.2/50
Left In: 5214.120+/-0.898	χ^2/NDF : 1052501.5/22	- sign 4490.033+/-0.624	χ^2/NDF : 6270559.2/49

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -707.862+/-442.537 χ^2/NDF : 15.2/22

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 137.257+/-418.464 χ^2/NDF : 20.2/26

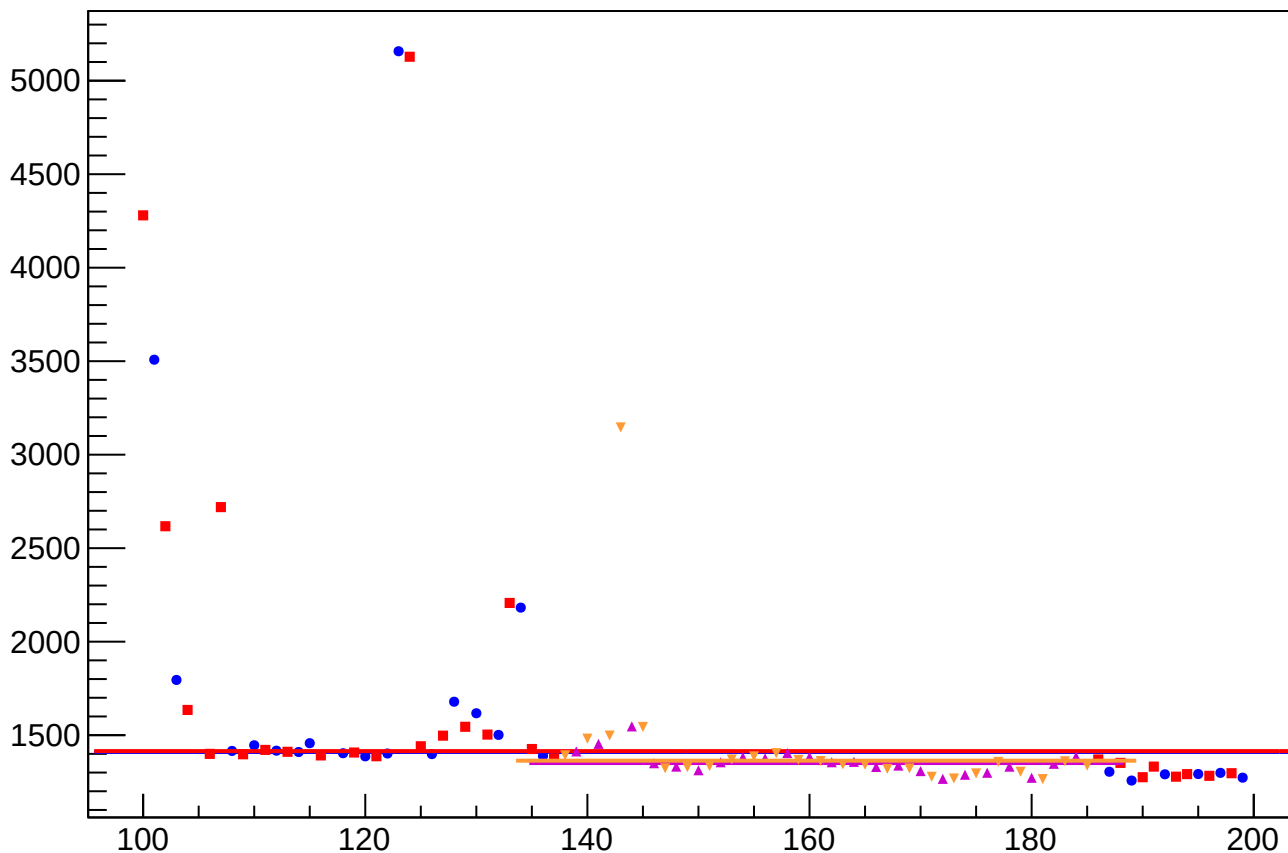
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -526.740+/-259.596 χ^2/NDF : 48.5/47

All: -125.290+/-182.410 χ^2/NDF : 107.3/97

- sign 266.239+/-256.368 χ^2/NDF : 54.1/49

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1410.102+/-0.313 χ^2/NDF : 677788.3/22

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1414.643+/-0.296 χ^2/NDF : 780055.3/26

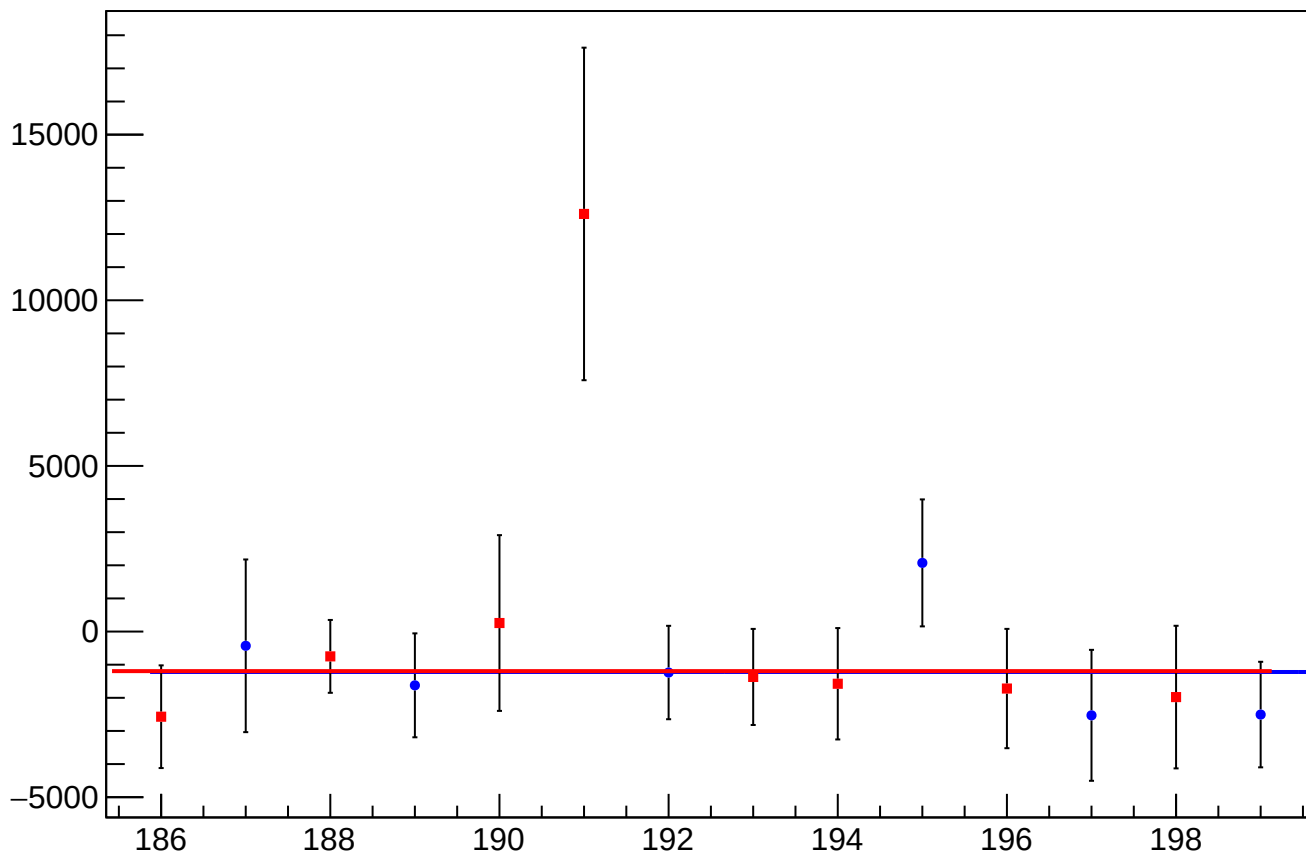
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1379.576+/-0.184 χ^2/NDF : 1267523.5/47

All: 1377.174+/-0.129 χ^2/NDF : 2144042.4/97

- sign 1374.830+/-0.181 χ^2/NDF : 876180.5/49

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -1220.470+/-710.840 χ^2/NDF : 4.2/5

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

Right Out: -1194.393+/-599.901 χ^2/NDF : 9.1/7

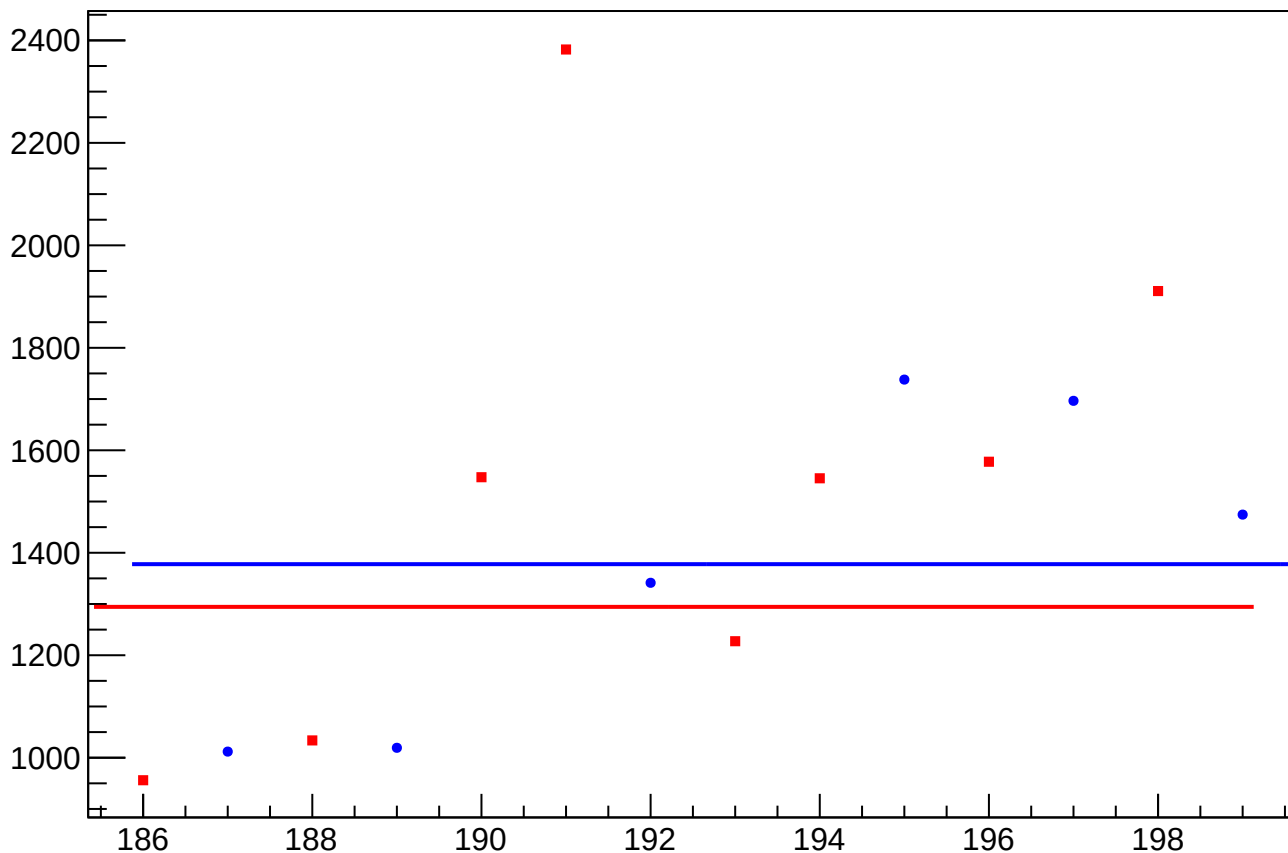
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1205.240+/-458.458 χ^2/NDF : 13.3/13

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1377.748+/-0.503 χ^2/NDF : 275213.9/5

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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

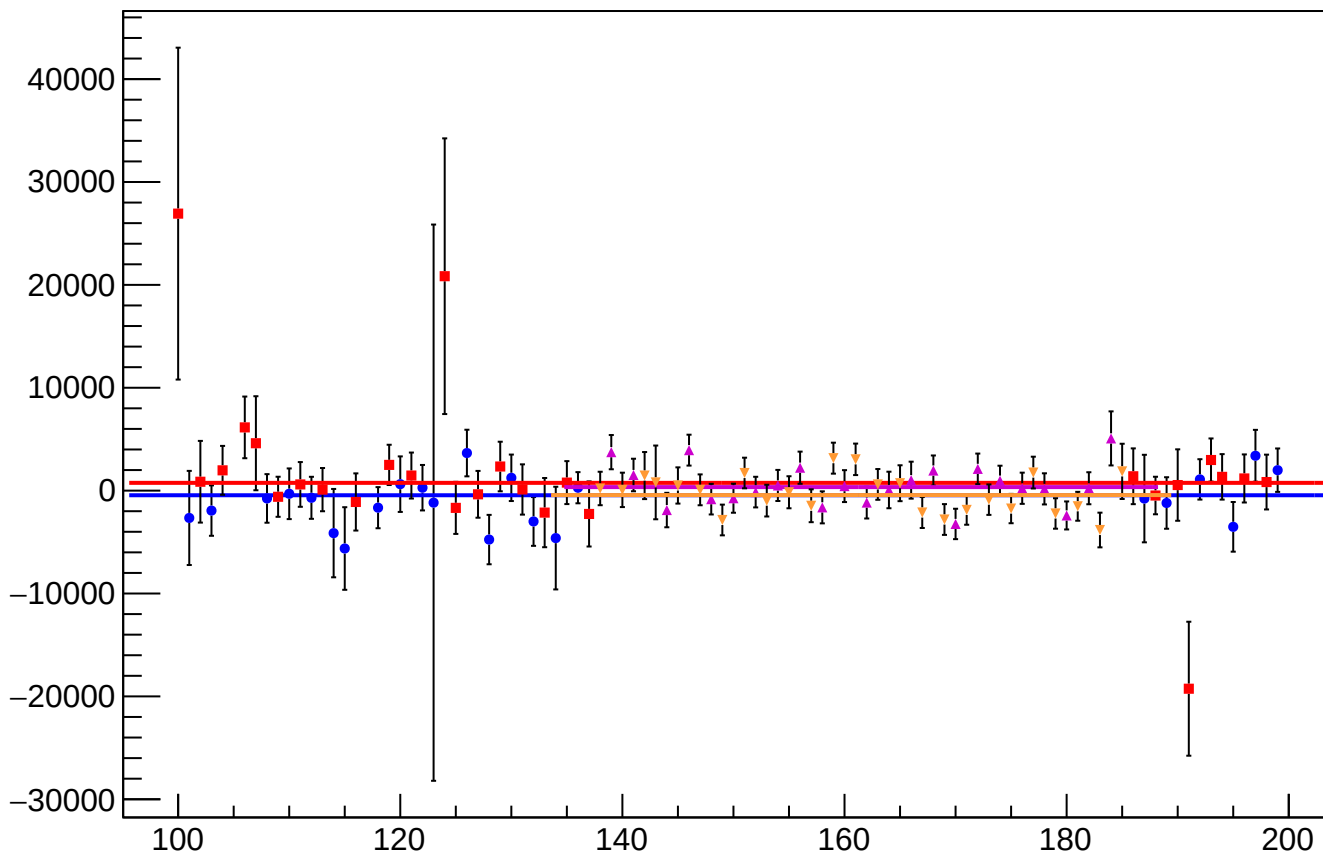
Right Out: 1294.415+/-0.424 χ^2/NDF : 582176.8/7

All: 1329.079+/-0.324 χ^2/NDF : 873443.8/13

- 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: -448.908 ± 516.053 χ^2/NDF : 18.8/22

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 756.175 ± 493.348 χ^2/NDF : 25.5/26

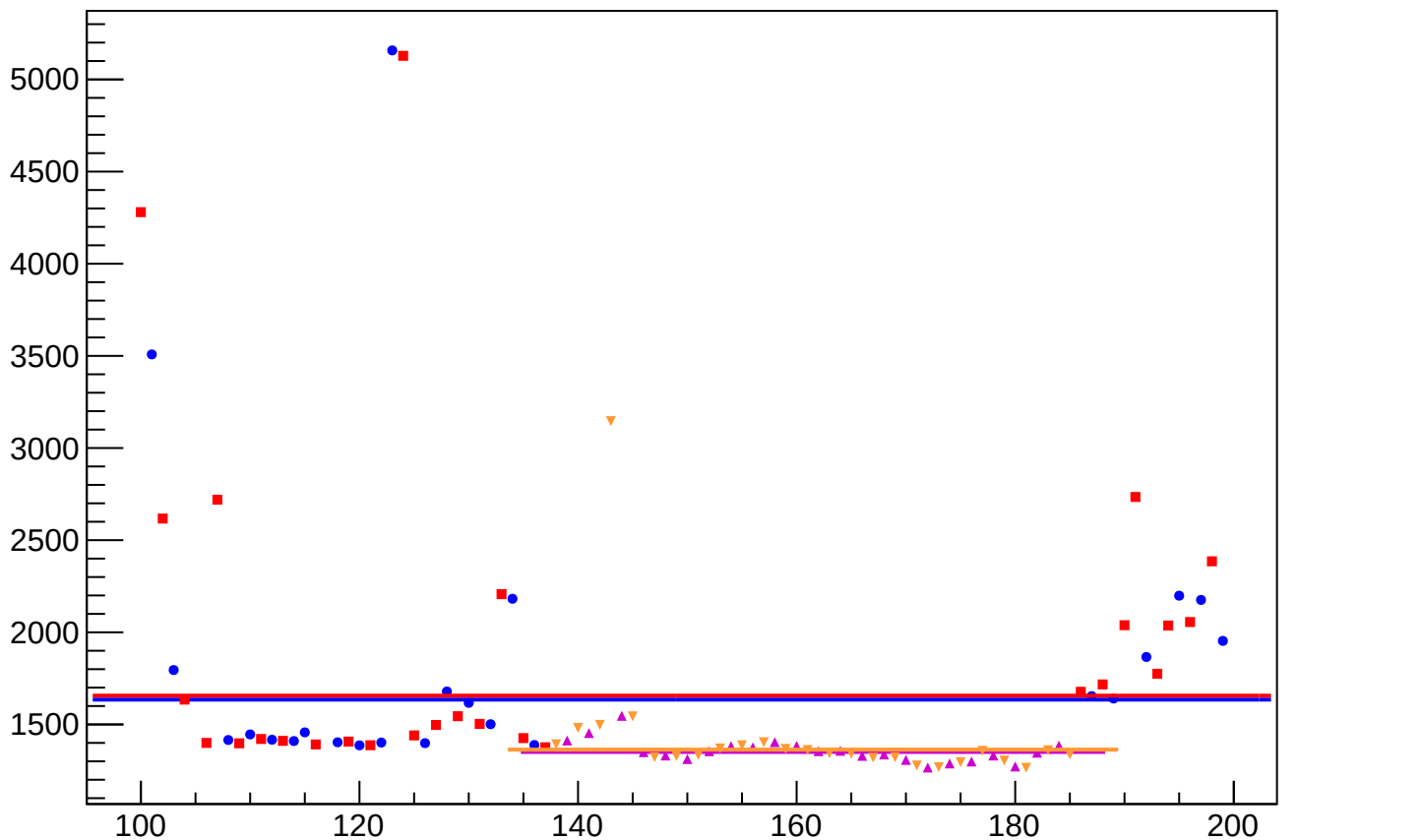
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -436.501 ± 272.289 χ^2/NDF : 51.9/47

All: 17.948 ± 192.092 χ^2/NDF : 117.2/97

- sign 468.217 ± 271.034 χ^2/NDF : 59.8/49

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1634.899+/-0.365 χ^2/NDF : 885399.4/22

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

+ sign 1439.102+/-0.193 χ^2/NDF : 1859613.7/47

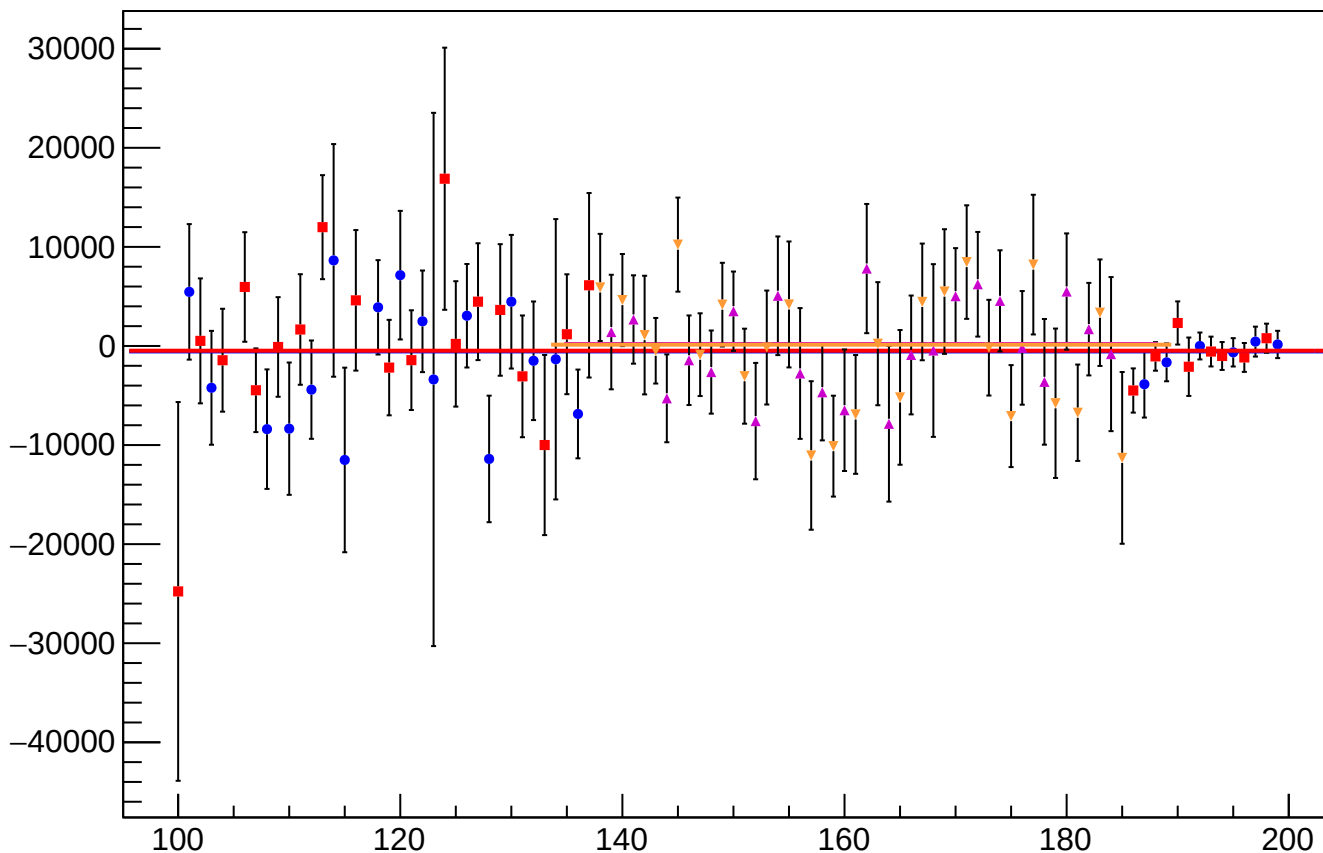
Right Out: 1656.317+/-0.349 χ^2/NDF : 1078425.5/26

All: 1441.104+/-0.136 χ^2/NDF : 3540528.5/97

Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

- sign 1443.086+/-0.192 χ^2/NDF : 1680699.7/49

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -550.891+/-598.307 χ^2/NDF : 17.6/22

Left Out: 132.142+/-1065.543 χ^2/NDF : 28.1/24

Right Out: -477.373+/-541.289 χ^2/NDF : 21.5/26

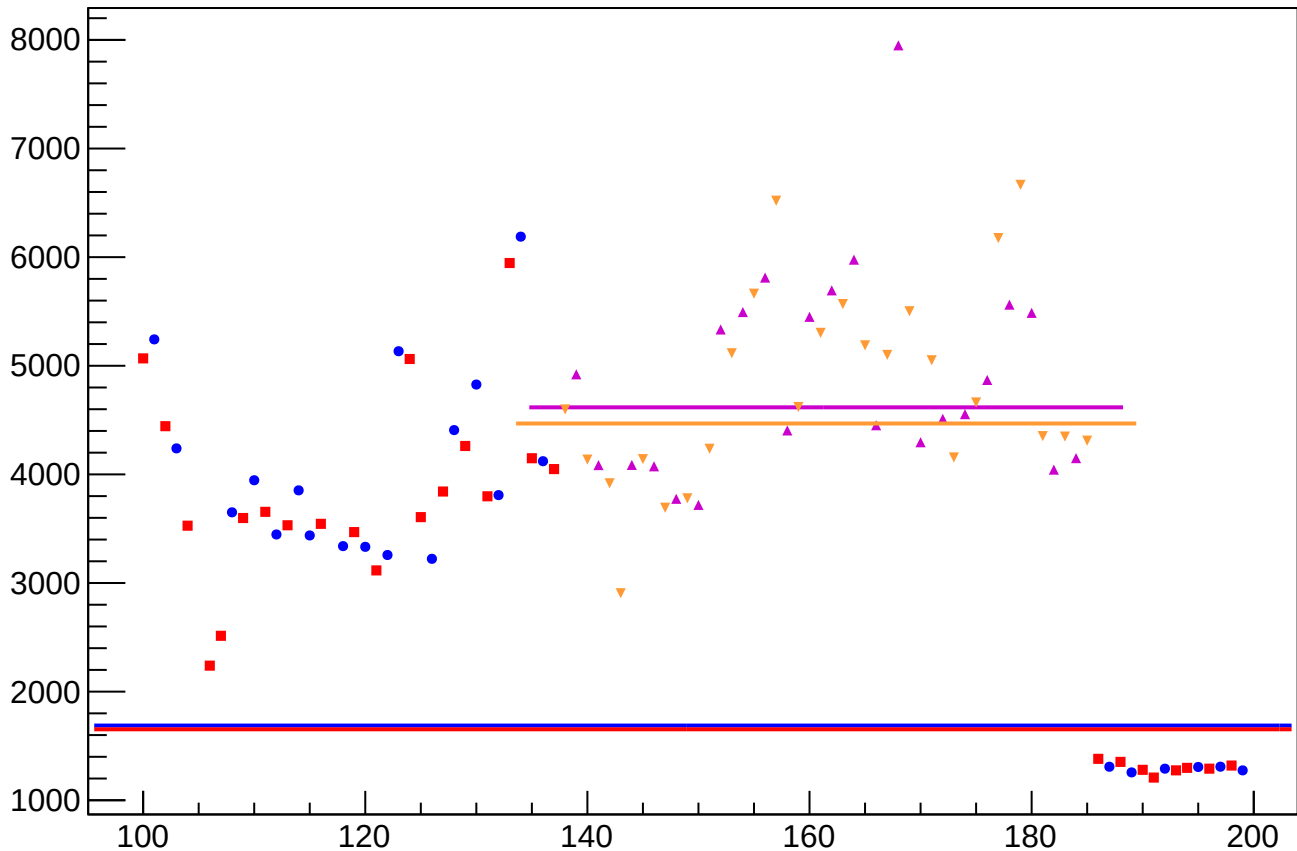
Left In: 200.182+/-1123.499 χ^2/NDF : 14.7/22

+ sign -387.161+/-521.691 χ^2/NDF : 46.0/47

All: -367.183+/-356.245 χ^2/NDF : 82.5/97

- sign -349.728+/-487.644 χ^2/NDF : 36.6/49

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1687.601 $\pm$ 0.423 χ^2 /NDF: 5114622.2/22

Left Out: 4468.520 $\pm$ 0.753 χ^2 /NDF:1380601.0/24

Right Out: 1653.154 $\pm$ 0.382 χ^2 /NDF: 5007551.8/26

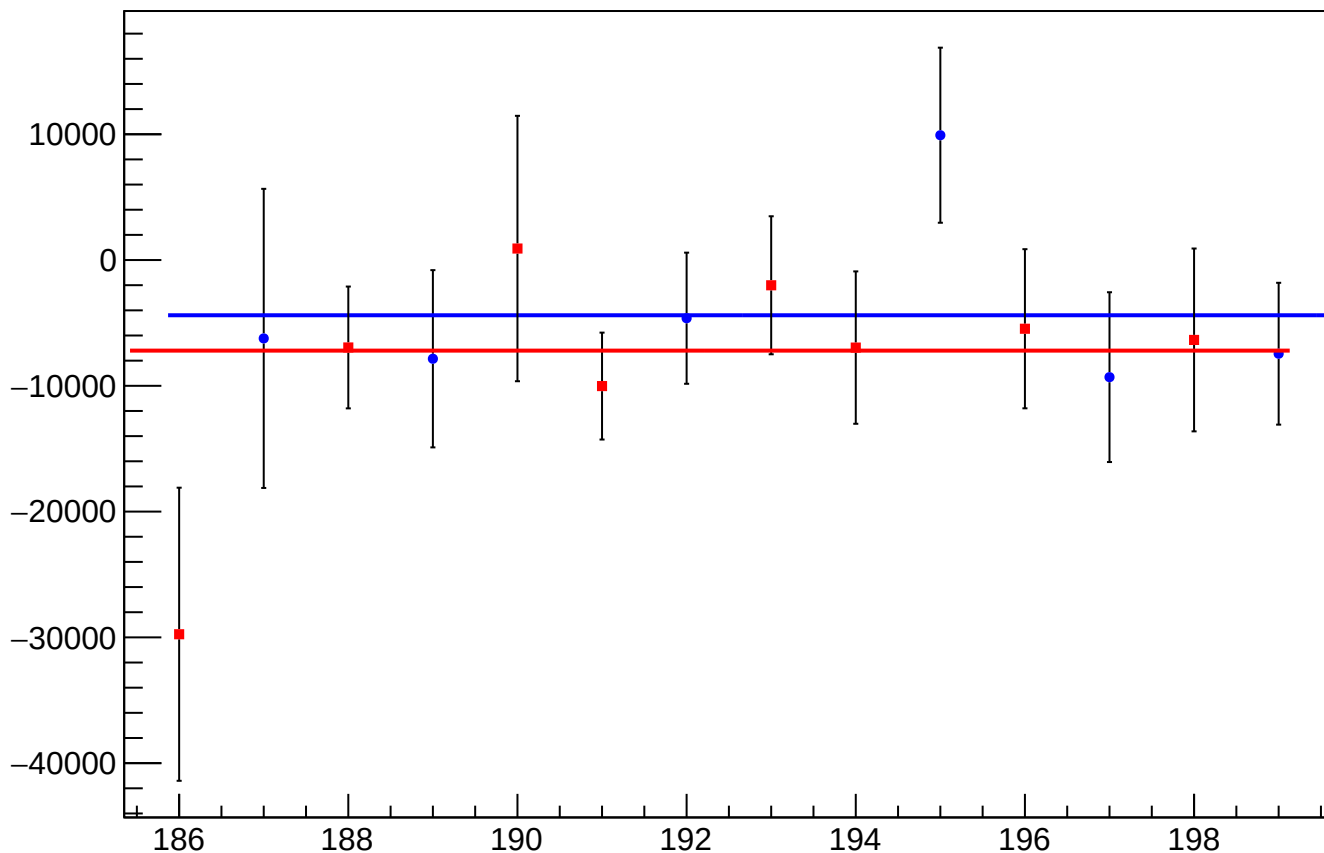
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 2354.210 $\pm$ 0.369 χ^2 /NDF: 16852486.5/47

All: 2277.317 $\pm$ 0.252 χ^2 /NDF: 34245687.2/9

- sign 2210.287 $\pm$ 0.344 χ^2 /NDF: 17311876.2/49

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -4390.263+/-2691.341 χ^2/NDF : 5.3/5

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

Right Out: -7201.372+/-2138.146 χ^2/NDF : 5.8/7

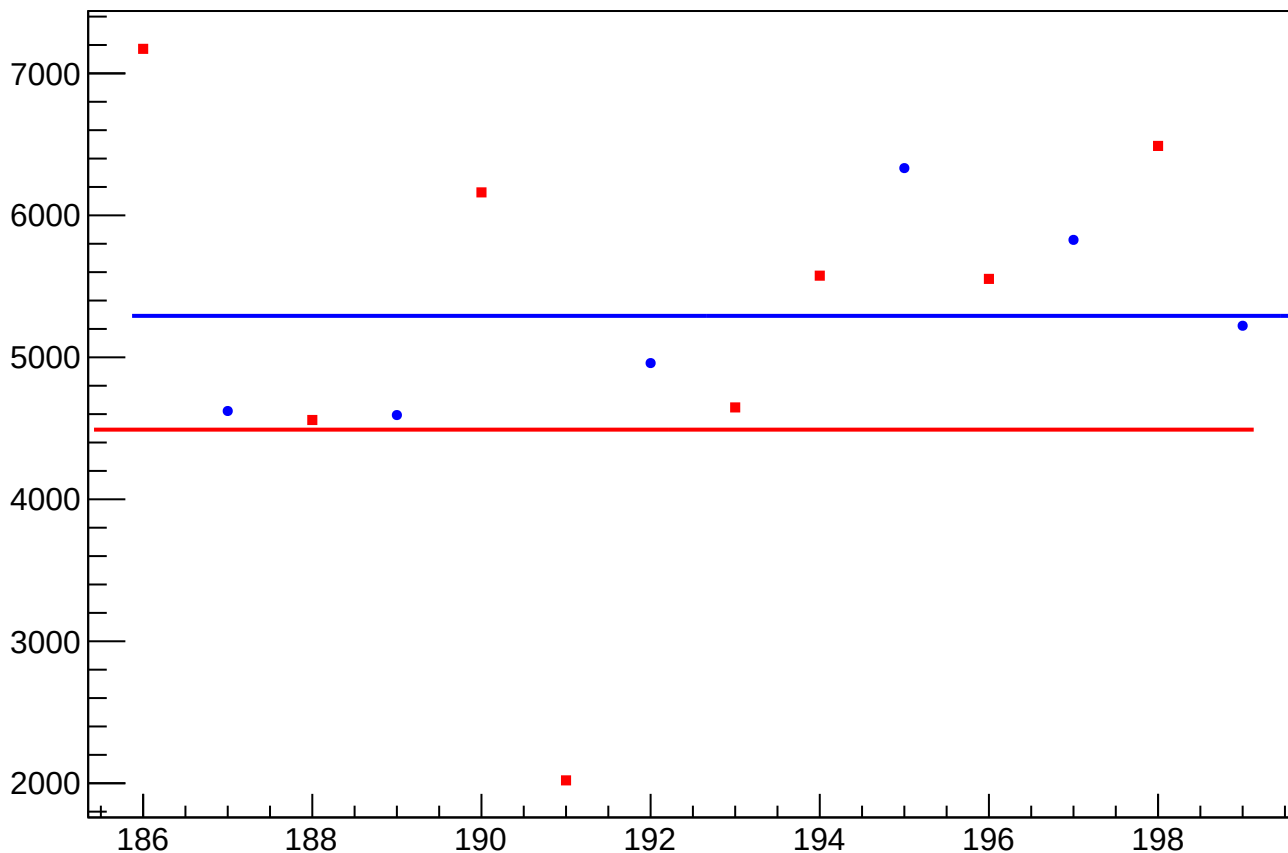
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -6113.646+/-1674.131 χ^2/NDF : 11.8/13

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5292.100+/-1.903 χ^2/NDF : 91759.2/5

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

Right Out: 4490.705+/-1.512 χ^2/NDF : 1105604.2/7

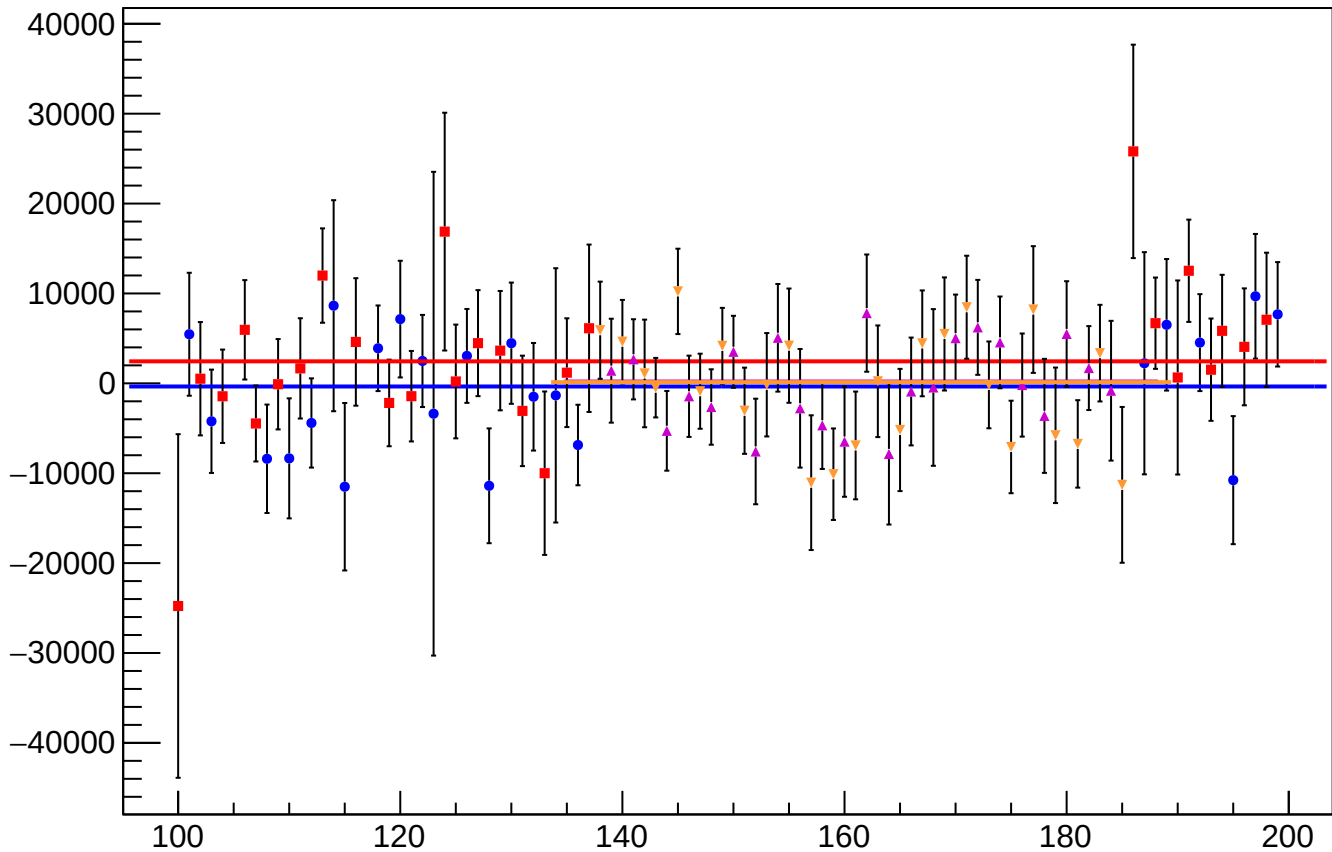
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4800.795+/-1.184 χ^2/NDF : 1306078.4/13

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -350.388 ± 1331.669 χ^2/NDF : 23.5/22

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: 2447.238 ± 1189.067 χ^2/NDF : 23.8/26

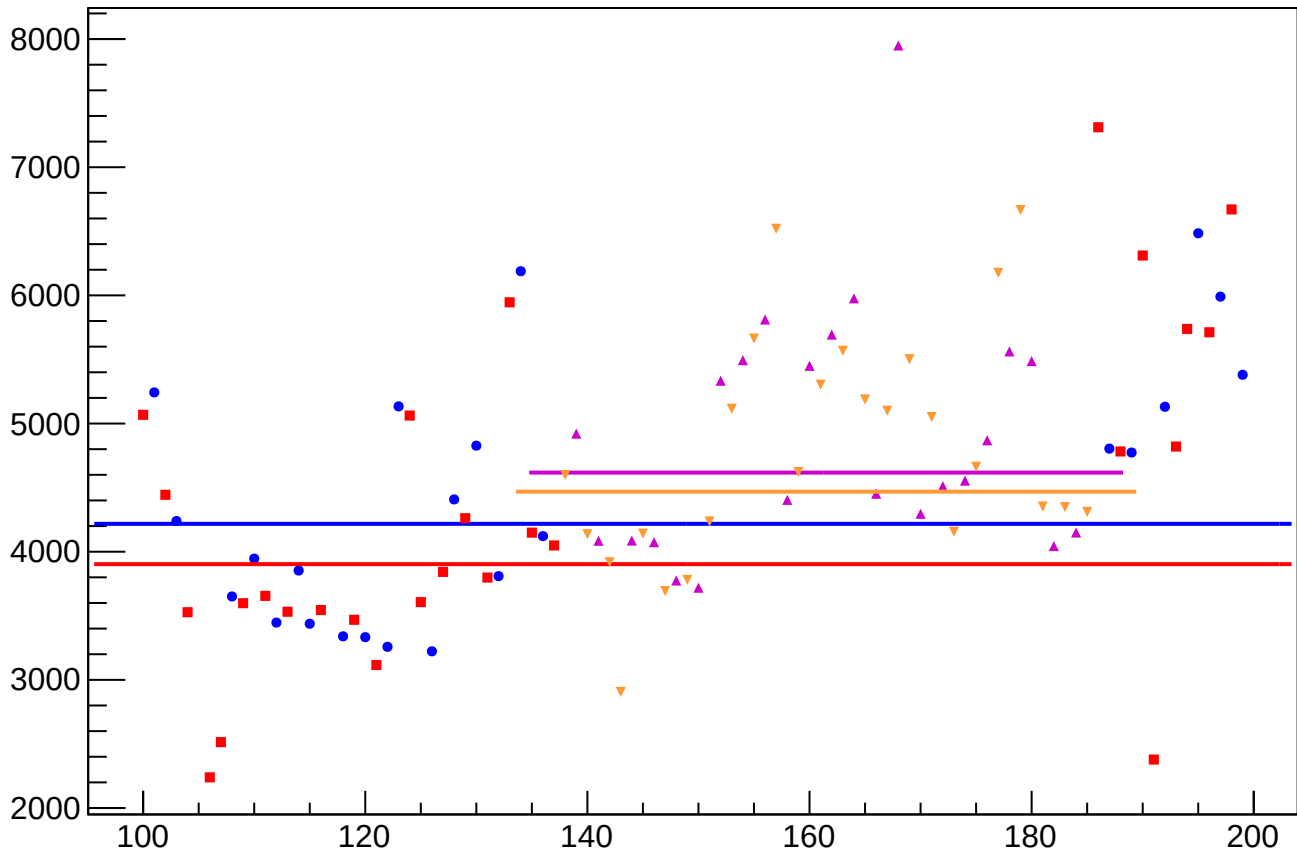
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -56.207 ± 831.986 χ^2/NDF : 51.7/47

All: 614.181 ± 582.798 χ^2/NDF : 93.4/97

- sign 1260.051 ± 816.630 χ^2/NDF : 40.4/49

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4217.506 $\pm$ 0.942 χ^2/NDF : 934212.6/22

Left Out: 4468.520 $\pm$ 0.753 χ^2/NDF : 1380601.0/24

+ sign 4370.537 $\pm$ 0.588 χ^2/NDF : 2358138.0/47

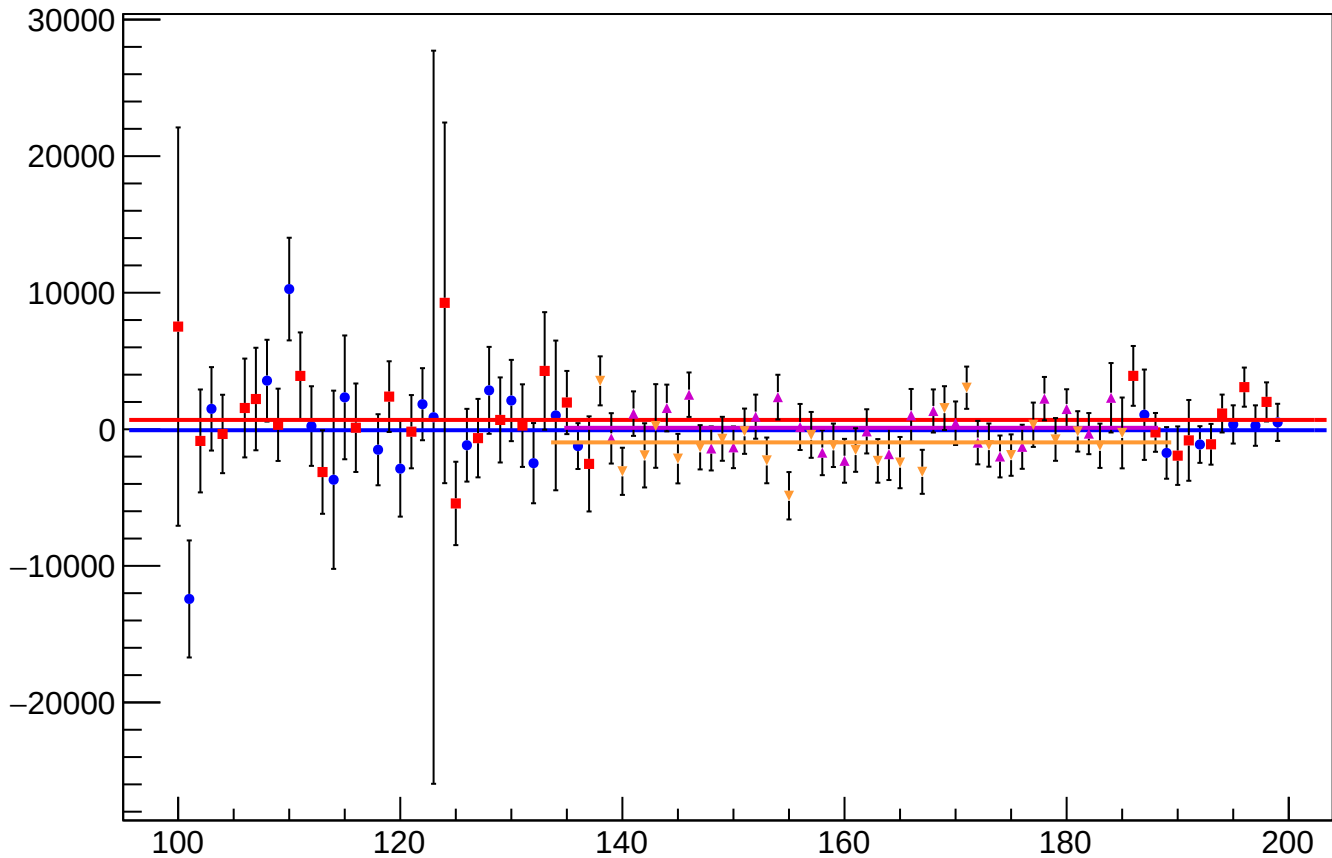
Right Out: 3903.025 $\pm$ 0.835 χ^2/NDF : 1829538.8/26

All: 4323.243 $\pm$ 0.411 χ^2/NDF : 5583950.0/97

- sign 4277.971 $\pm$ 0.576 χ^2/NDF : 3213162.7/49

Left In: 4617.293 $\pm$ 0.794 χ^2/NDF : 999599.8/22

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -68.453 ± 488.252 χ^2/NDF : 24.2/22

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 685.967 ± 455.231 χ^2/NDF : 20.0/26

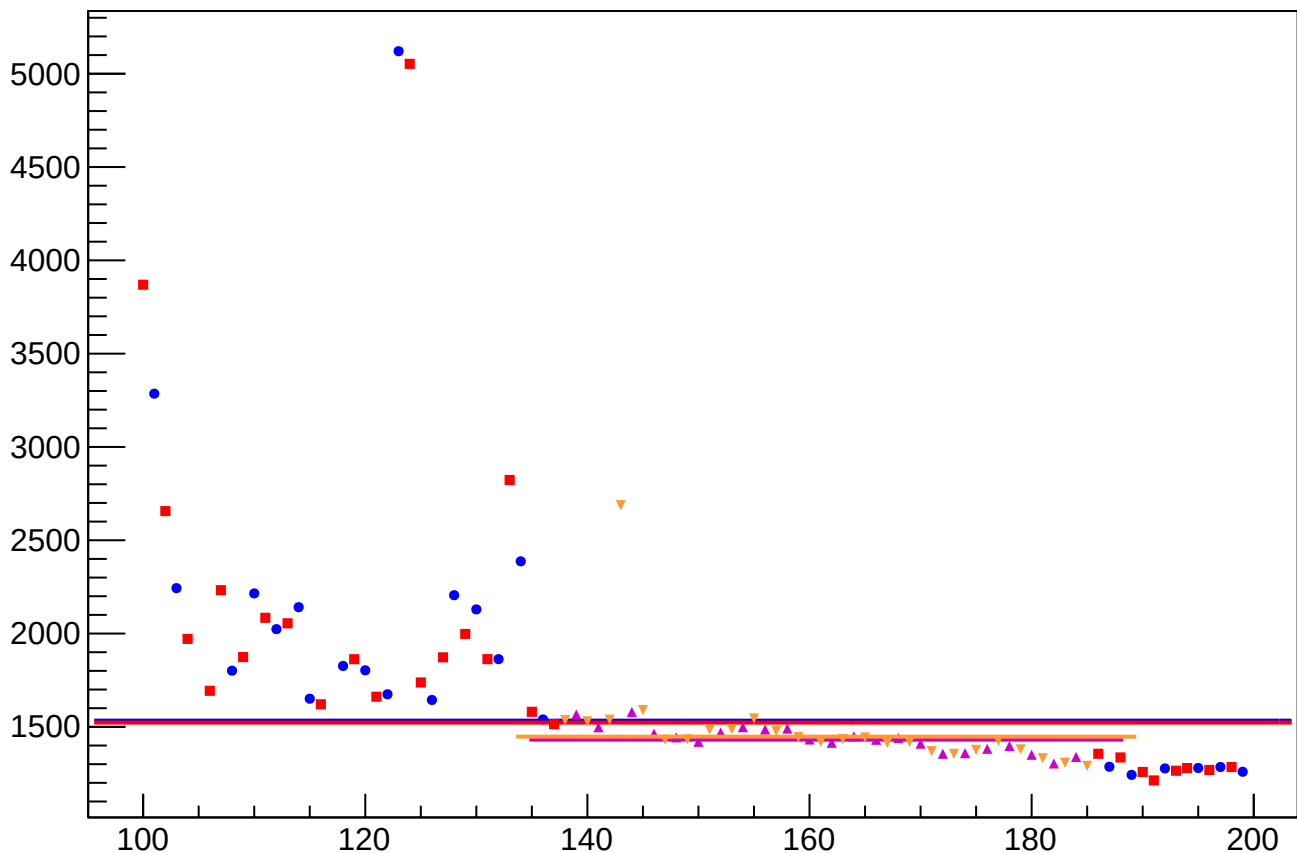
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -668.363 ± 278.736 χ^2/NDF : 55.0/47

All: -167.489 ± 195.502 χ^2/NDF : 101.8/97

- sign 317.502 ± 274.281 χ^2/NDF : 40.4/49

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1533.290+/-0.345 χ^2/NDF : 1258933.8/22

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1522.874+/-0.322 χ^2/NDF : 1333062.7/26

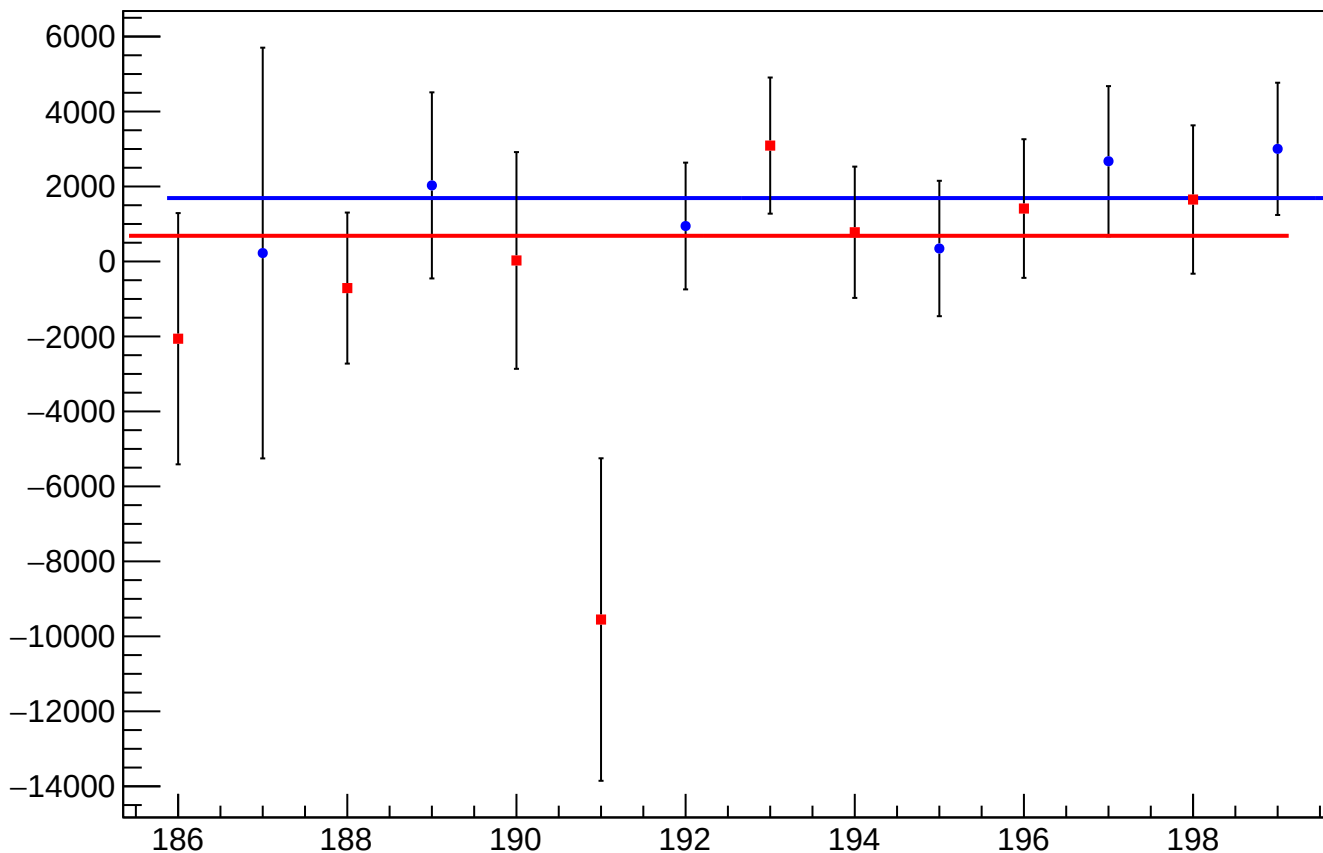
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1475.497+/-0.197 χ^2/NDF : 1719758.4/47

All: 1469.982+/-0.138 χ^2/NDF : 3180868.7/97

- sign 1464.642+/-0.194 χ^2/NDF : 1459569.4/49

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1691.108+/-838.333 χ^2/NDF : 1.6/5

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

Right Out: 684.911+/-770.048 χ^2/NDF : 9.0/7

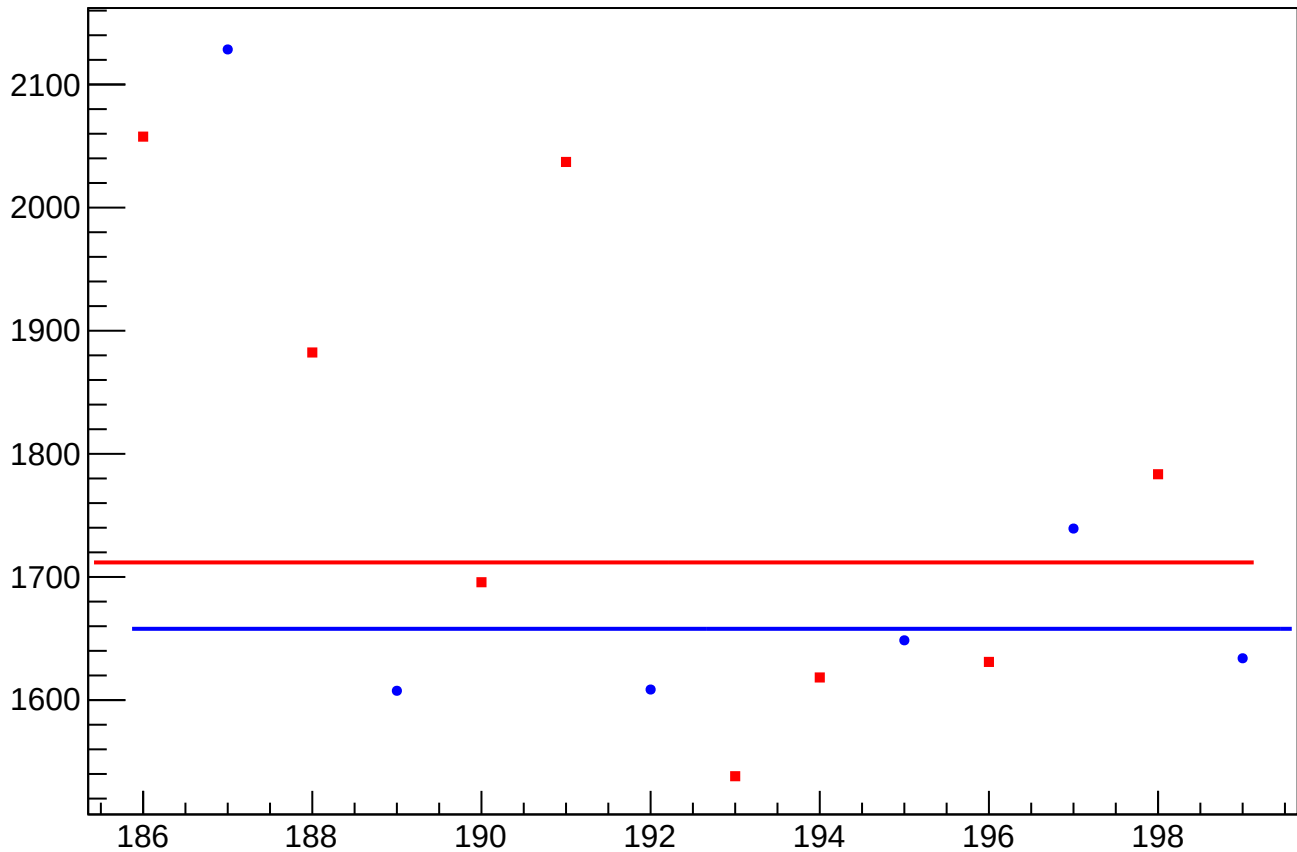
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1145.367+/-567.113 χ^2/NDF : 11.4/13

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1657.896 $\pm$ 0.593 χ^2 /NDF: 21008.4/5

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

Right Out: 1711.811 $\pm$ 0.545 χ^2 /NDF: 77551.8/7

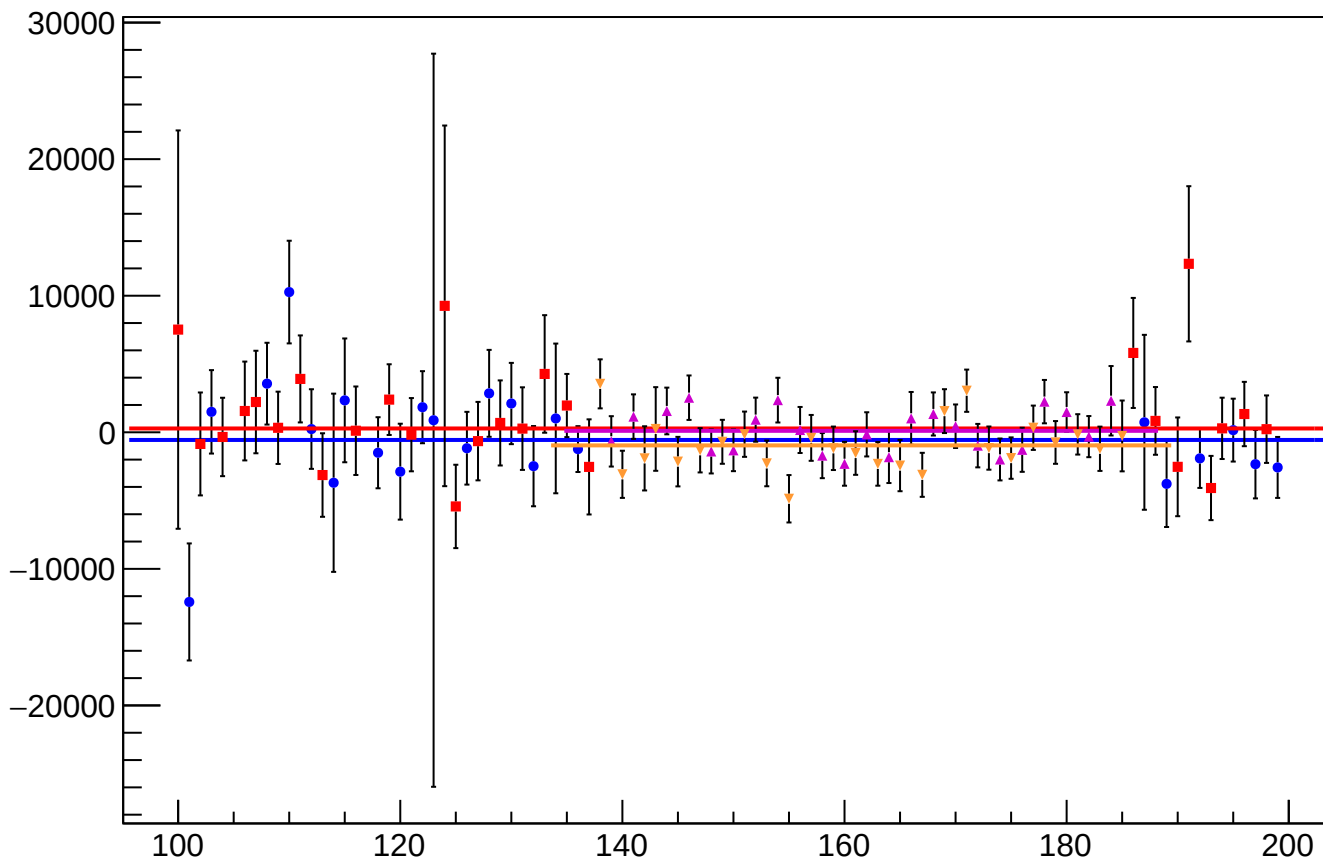
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

All: 1687.138 $\pm$ 0.401 χ^2 /NDF: 103046.8/13

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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -561.234+/-614.193 χ^2/NDF : 26.0/22

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 279.642+/-587.156 χ^2/NDF : 20.8/26

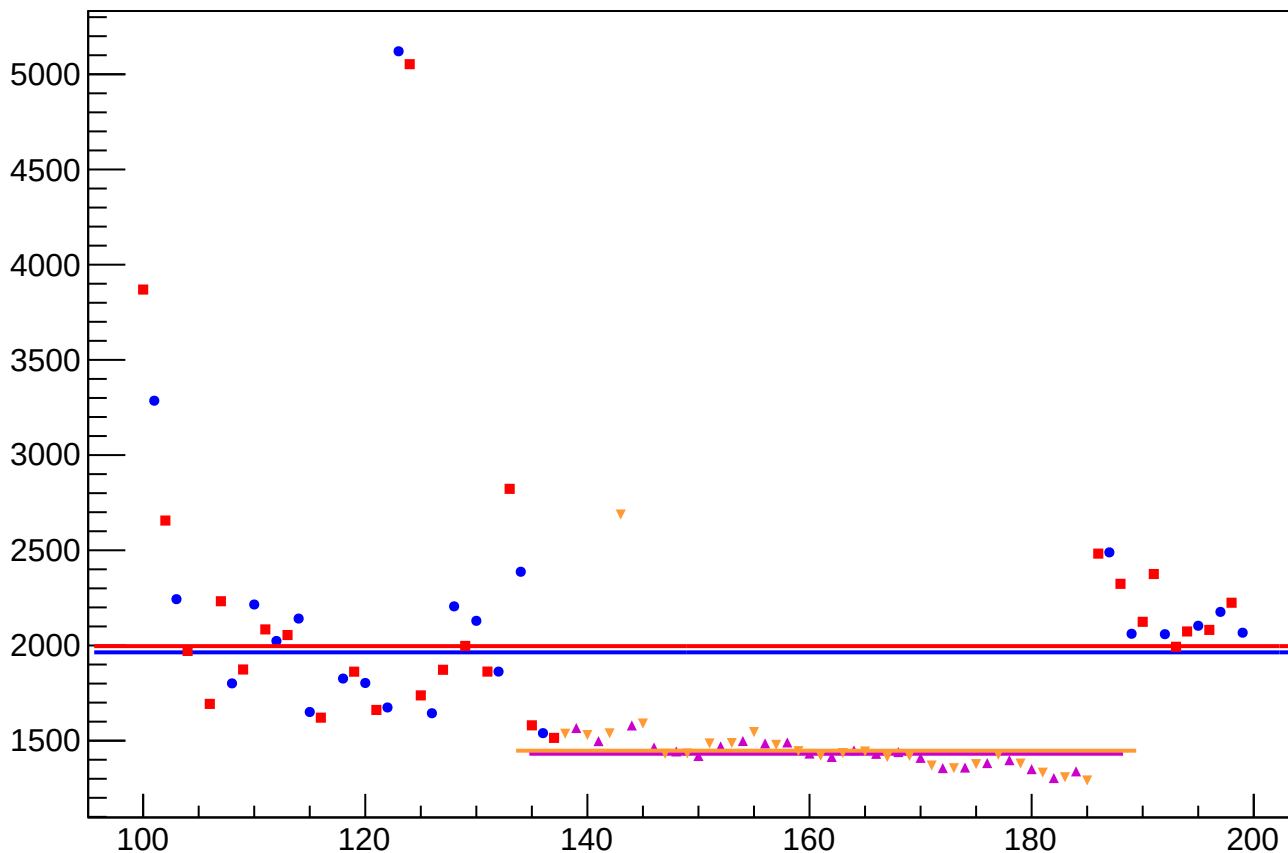
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -865.459+/-297.126 χ^2/NDF : 54.8/47

All: -356.102+/-209.912 χ^2/NDF : 101.0/97

- sign 151.433+/-296.594 χ^2/NDF : 40.3/49

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1963.974 $\pm$ 0.434 χ^2 /NDF: 529073.8/22

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1996.663 $\pm$ 0.415 χ^2 /NDF: 589566.8/26

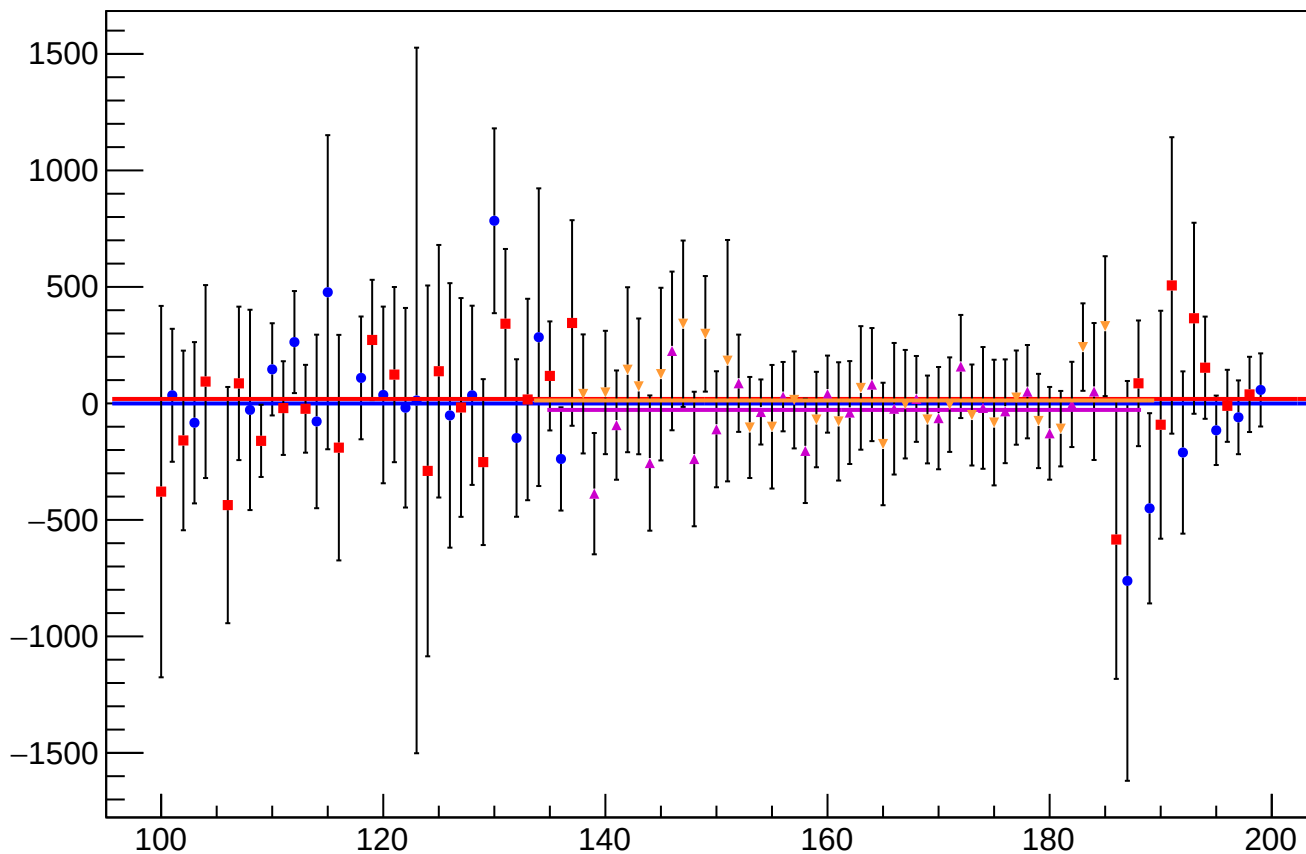
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1568.413 $\pm$ 0.210 χ^2 /NDF: 2031354.9/47

All: 1572.052 $\pm$ 0.148 χ^2 /NDF: 4077056.8/97

- sign 1575.678 $\pm$ 0.210 χ^2 /NDF: 2045102.9/49

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -0.246 ± 57.928 χ^2/NDF : 11.5/22

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 19.183 ± 54.711 χ^2/NDF : 9.4/26

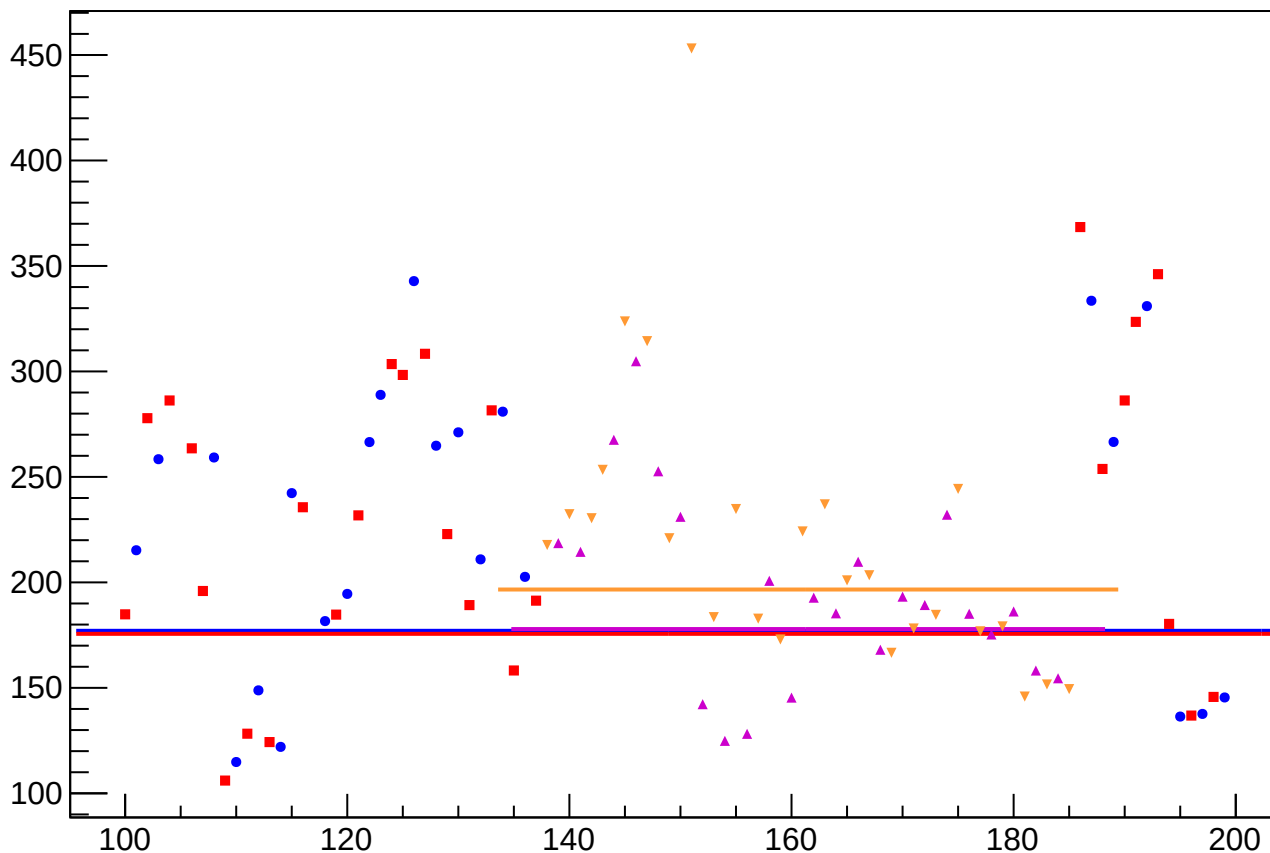
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign 7.448 ± 36.724 χ^2/NDF : 19.2/47

All: -1.363 ± 25.158 χ^2/NDF : 35.7/97

- sign -9.154 ± 34.533 χ^2/NDF : 16.4/49

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 177.042 $\pm$ 0.041 χ^2 /NDF: 2009542.1/22

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 175.611 $\pm$ 0.039 χ^2 /NDF: 2704911.1/26

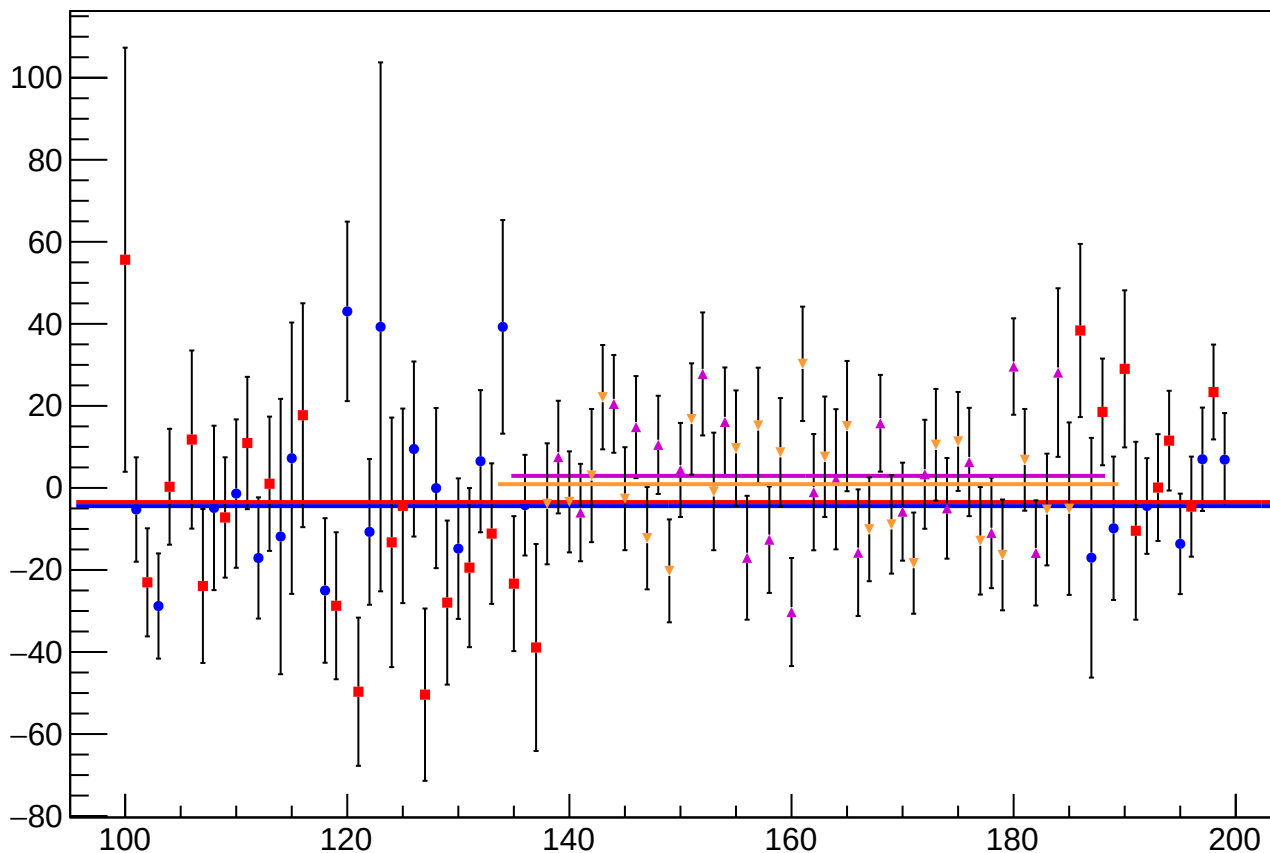
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 188.751 $\pm$ 0.026 χ^2 /NDF: 3939680.2/47

All: 182.501 $\pm$ 0.018 χ^2 /NDF: 8399894.6/97

- sign 176.975 $\pm$ 0.024 χ^2 /NDF: 4351062.9/49

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.431 ± 3.428 $\chi^2/\text{NDF}: 17.9/22$

Left Out: 0.920 ± 2.696 $\chi^2/\text{NDF}: 24.0/24$

Right Out: -3.445 ± 3.249 $\chi^2/\text{NDF}: 43.0/26$

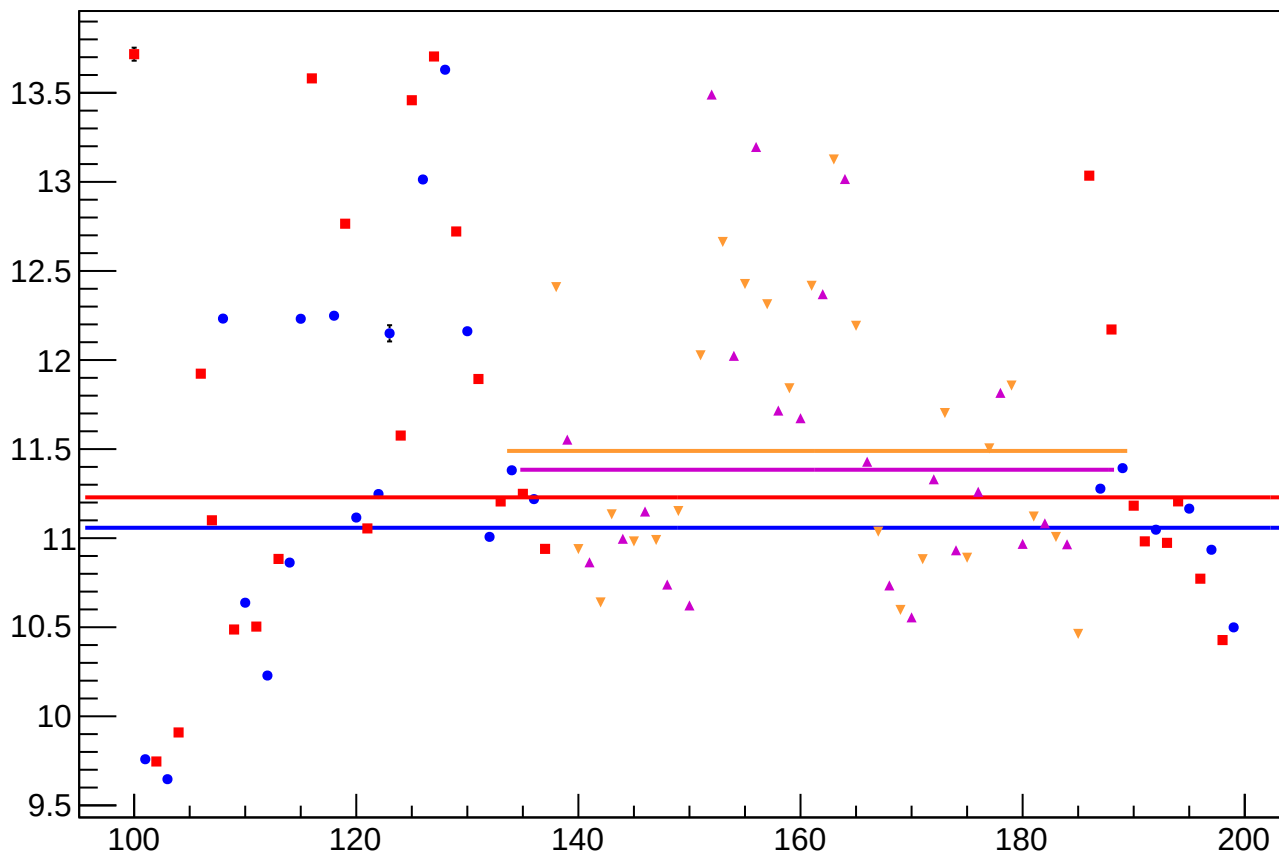
Left In: 2.941 ± 2.745 $\chi^2/\text{NDF}: 31.0/22$

+ sign -1.125 ± 2.119 $\chi^2/\text{NDF}: 43.4/47$

All: -0.414 ± 1.491 $\chi^2/\text{NDF}: 119.9/97$

- sign 0.282 ± 2.097 $\chi^2/\text{NDF}: 76.3/49$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.058 $\pm$ 0.002 χ^2 /NDF: 138361.2/22

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 11.229 $\pm$ 0.002 χ^2 /NDF: 187410.3/26

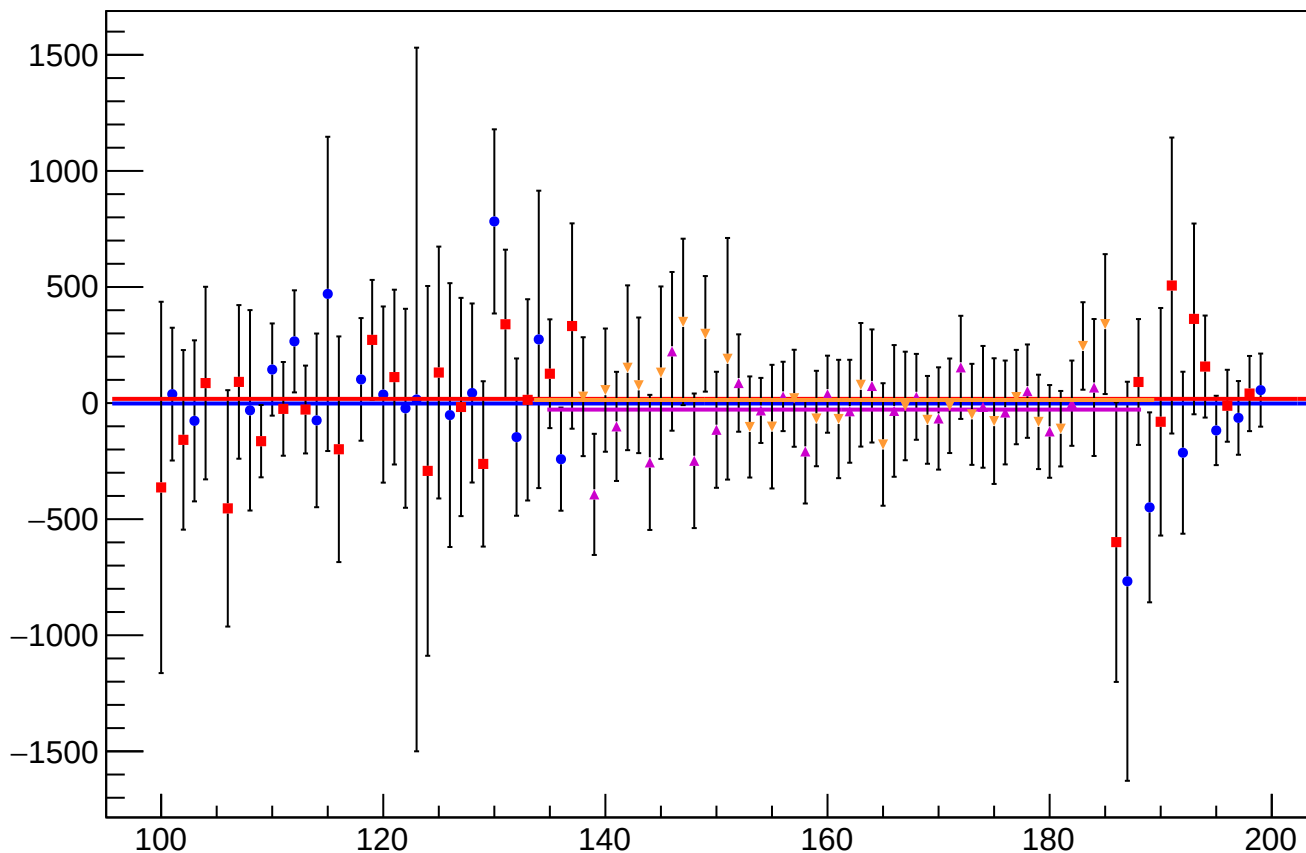
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.325 $\pm$ 0.001 χ^2 /NDF: 290328.6/47

All: 11.322 $\pm$ 0.001 χ^2 /NDF: 630199.0/97

- sign 11.320 $\pm$ 0.001 χ^2 /NDF: 339863.9/49

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -1.730 ± 58.078 $\chi^2/\text{NDF}: 11.5/22$

Left Out: 13.323 ± 47.662 $\chi^2/\text{NDF}: 7.9/24$

Right Out: 18.163 ± 54.866 $\chi^2/\text{NDF}: 9.5/26$

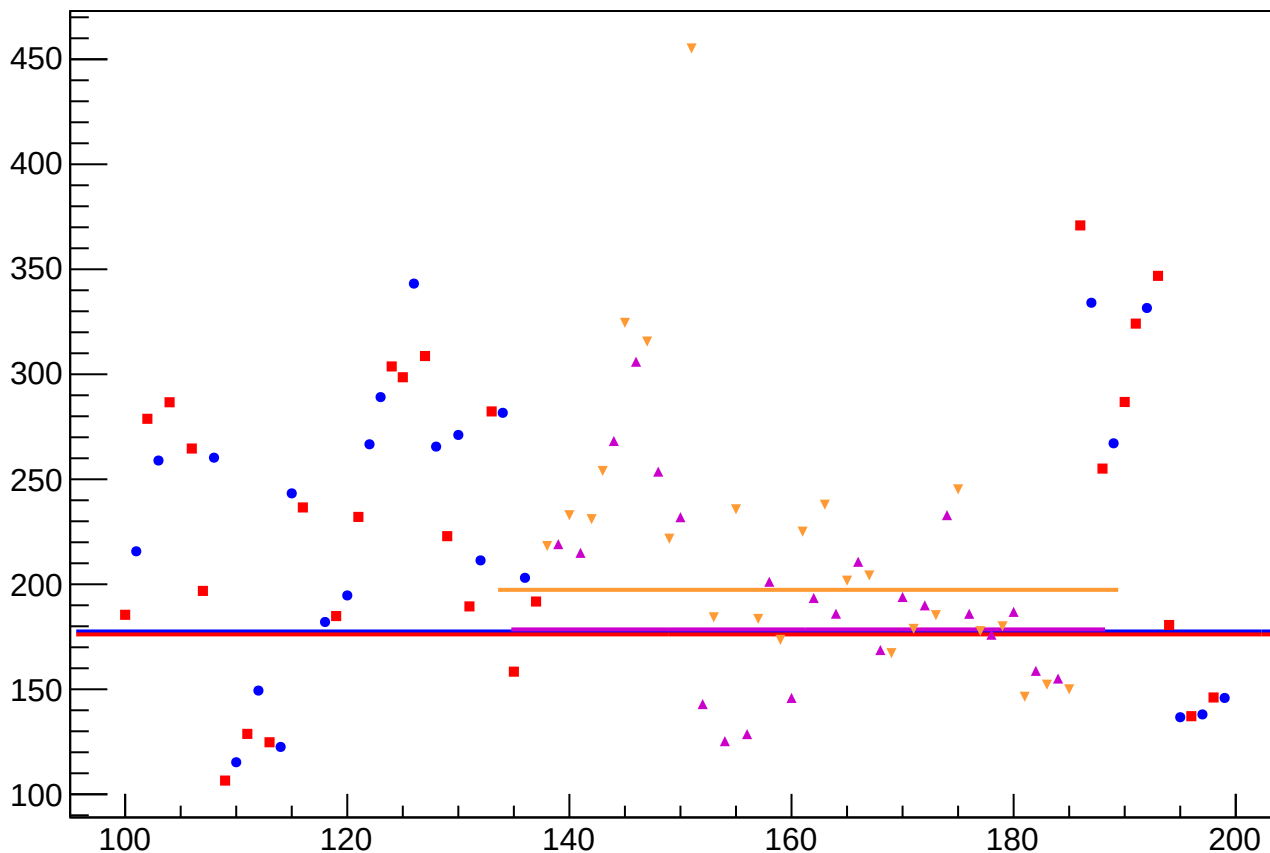
Left In: -28.050 ± 44.681 $\chi^2/\text{NDF}: 6.6/22$

+ sign 7.265 ± 36.844 $\chi^2/\text{NDF}: 19.4/47$

All: -1.698 ± 25.240 $\chi^2/\text{NDF}: 36.1/97$

- sign -9.623 ± 34.646 $\chi^2/\text{NDF}: 16.6/49$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 177.525 $\pm$ 0.041 χ^2 /NDF: 2004094.0/22

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF:1790824.5/24

Right Out: 176.129 $\pm$ 0.039 χ^2 /NDF: 2700368.3/26

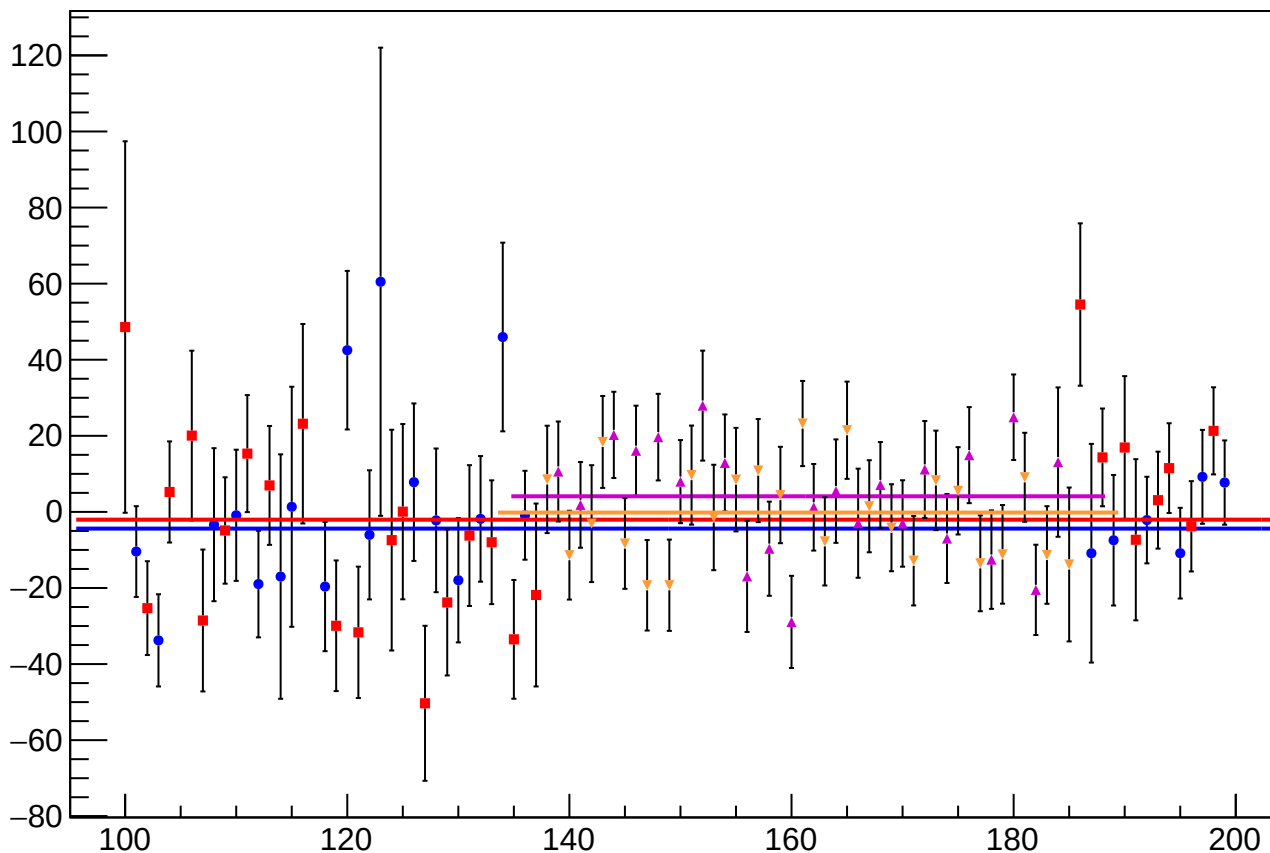
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

+ sign 189.375 $\pm$ 0.026 χ^2 /NDF: 3934251.9/47

All: 183.105 $\pm$ 0.018 χ^2 /NDF: 8388300.5/97

- sign 177.562 $\pm$ 0.024 χ^2 /NDF: 4344940.4/49

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -4.388 ± 3.300 χ^2/NDF : 22.5/22

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -2.036 ± 3.142 χ^2/NDF : 43.3/26

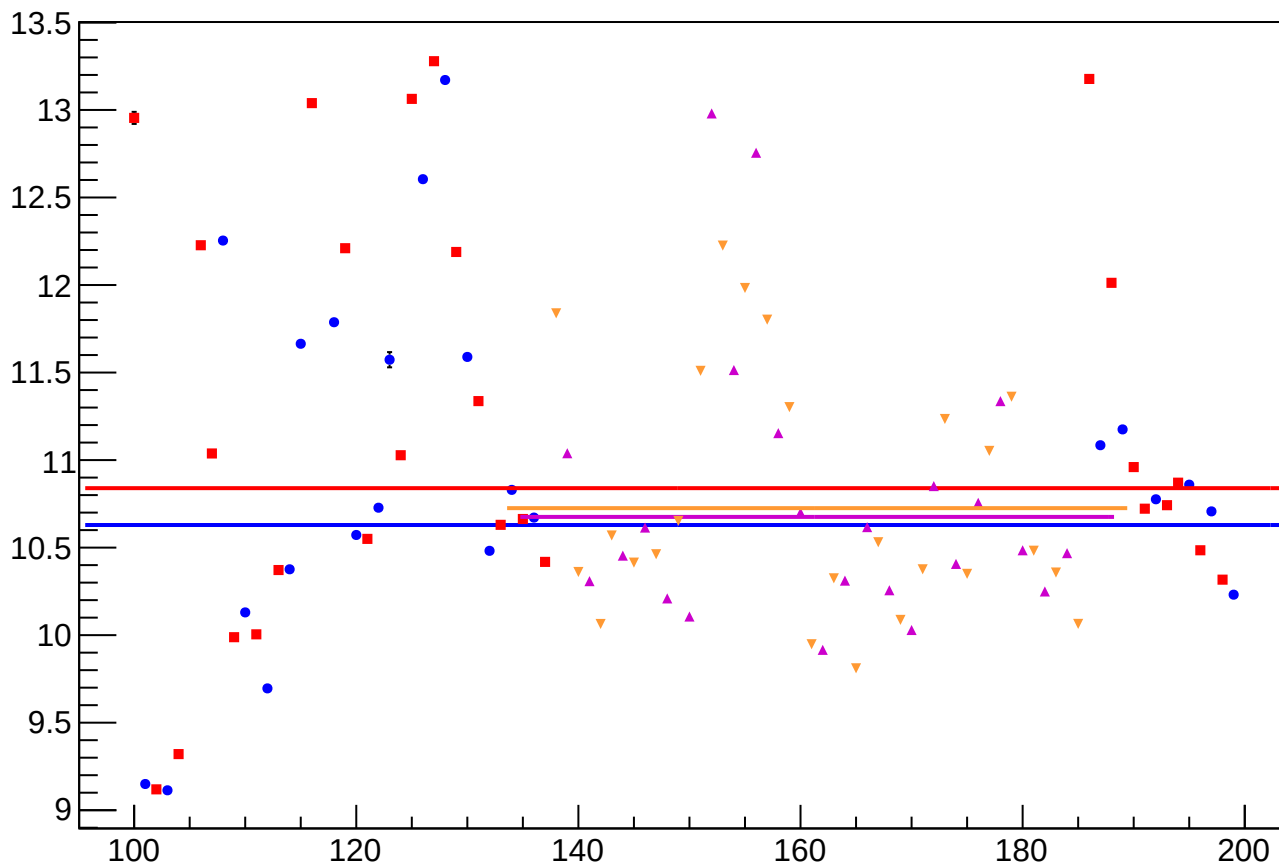
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -1.724 ± 2.003 χ^2/NDF : 47.9/47

All: -0.035 ± 1.413 χ^2/NDF : 126.5/97

- sign 1.636 ± 1.993 χ^2/NDF : 77.2/49

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.629 $\pm$ 0.002 χ^2 /NDF: 165699.6/22

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.840 $\pm$ 0.002 χ^2 /NDF: 226066.7/26

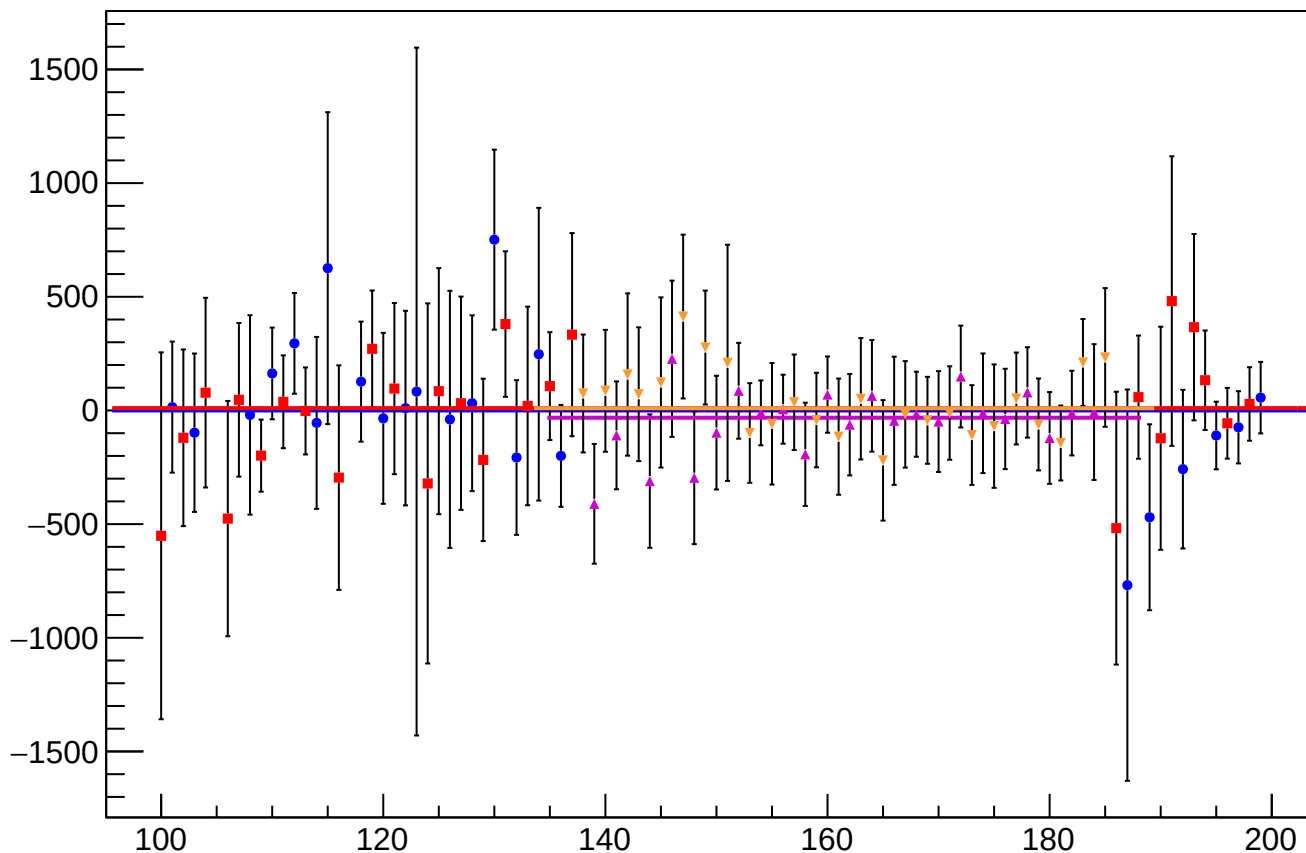
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.690 $\pm$ 0.001 χ^2 /NDF: 298946.6/47

All: 10.716 $\pm$ 0.001 χ^2 /NDF: 674880.7/97

- sign 10.741 $\pm$ 0.001 χ^2 /NDF: 375269.8/49

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -0.009 ± 58.245 χ^2/NDF : 12.1/22

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 10.207 ± 55.179 χ^2/NDF : 10.1/26

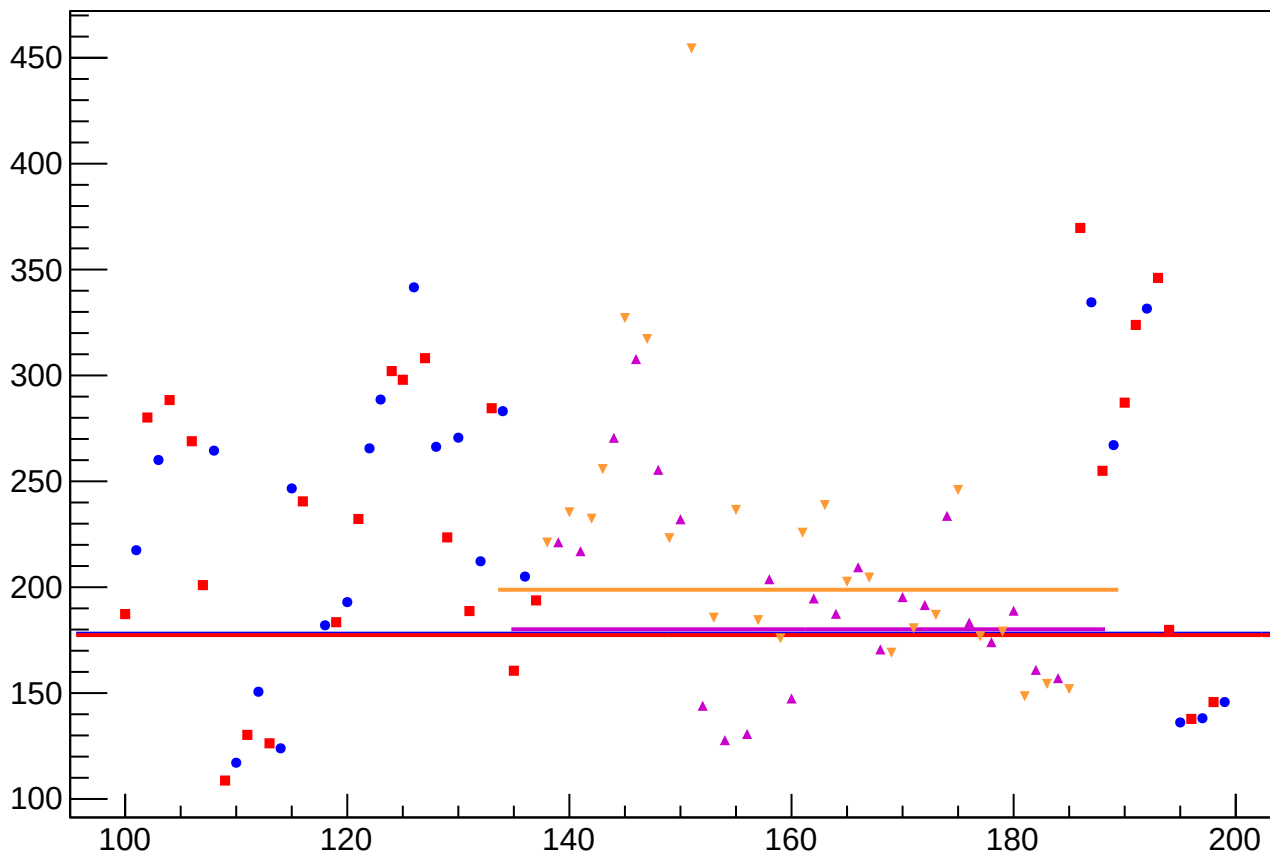
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign 5.835 ± 37.032 χ^2/NDF : 19.6/47

All: -5.264 ± 25.395 χ^2/NDF : 37.4/97

- sign -15.117 ± 34.891 χ^2/NDF : 17.6/49

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 178.057 $\pm$ 0.041 χ^2/NDF : 1998684.1/22

Left Out: 198.800 $\pm$ 0.034 χ^2/NDF : 1763119.1/24

Right Out: 177.392 $\pm$ 0.039 χ^2/NDF : 2647832.4/26

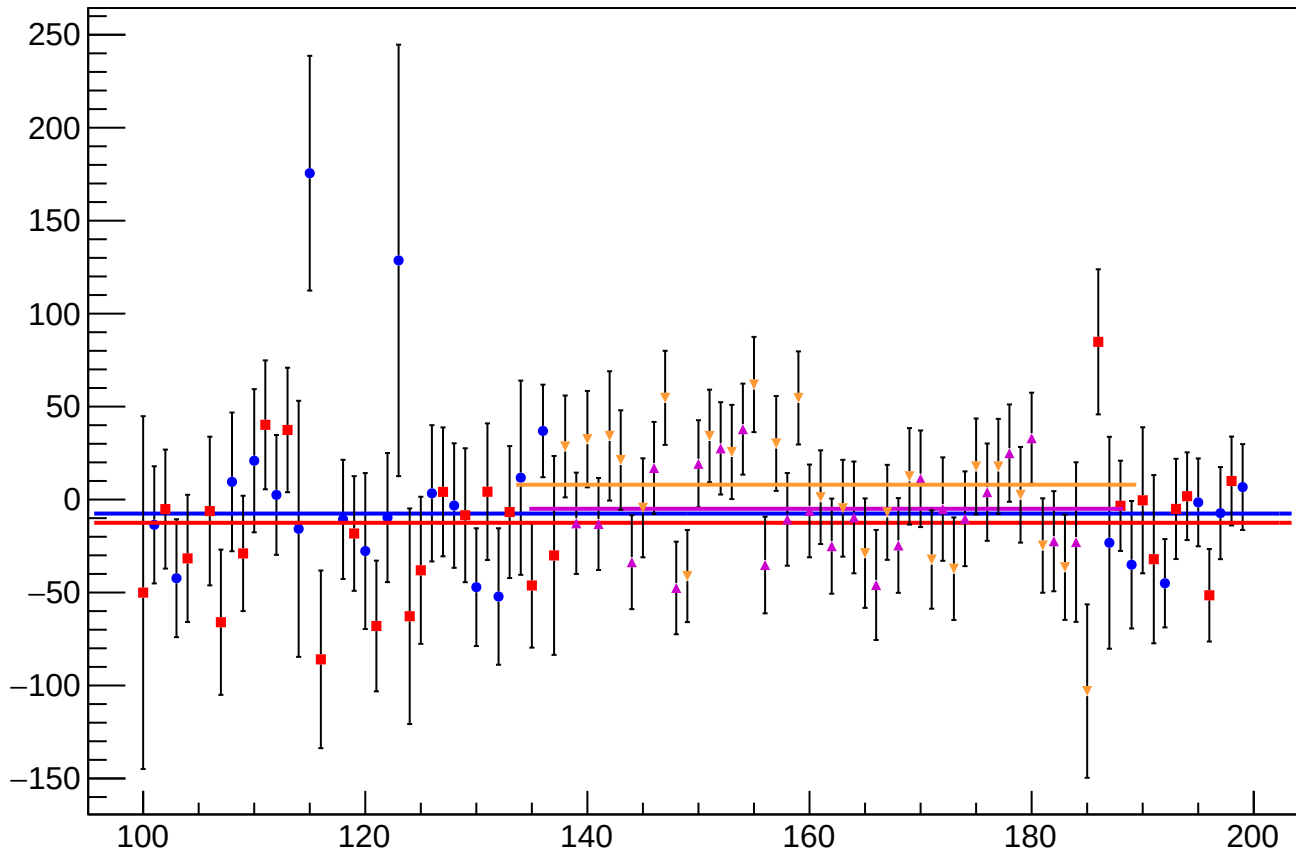
Left In: 180.123 $\pm$ 0.032 χ^2/NDF : 1593842.6/22

+ sign 190.415 $\pm$ 0.026 χ^2/NDF : 3912924.4/47

All: 184.384 $\pm$ 0.018 χ^2/NDF : 8257654.5/97

- sign 179.031 $\pm$ 0.025 χ^2/NDF : 4244614.9/49

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.536 ± 6.925 χ^2/NDF : 22.3/22

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -12.495 ± 6.505 χ^2/NDF : 25.3/26

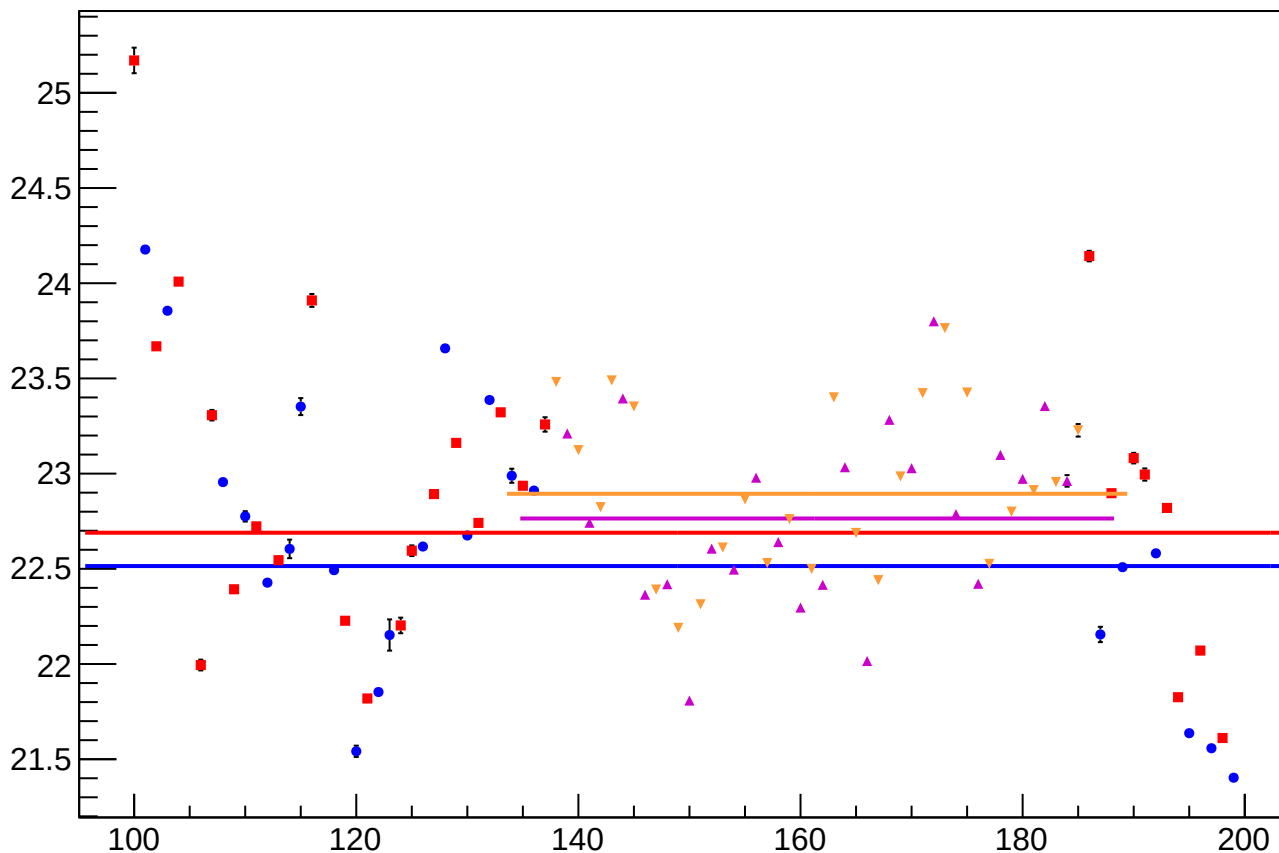
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 2.218 ± 4.222 χ^2/NDF : 62.9/47

All: -2.985 ± 2.969 χ^2/NDF : 112.4/97

- sign -8.072 ± 4.175 χ^2/NDF : 46.6/49

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.514 $\pm$ 0.005 χ^2 /NDF: 26389.2/22

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.690 $\pm$ 0.005 χ^2 /NDF: 23299.1/26

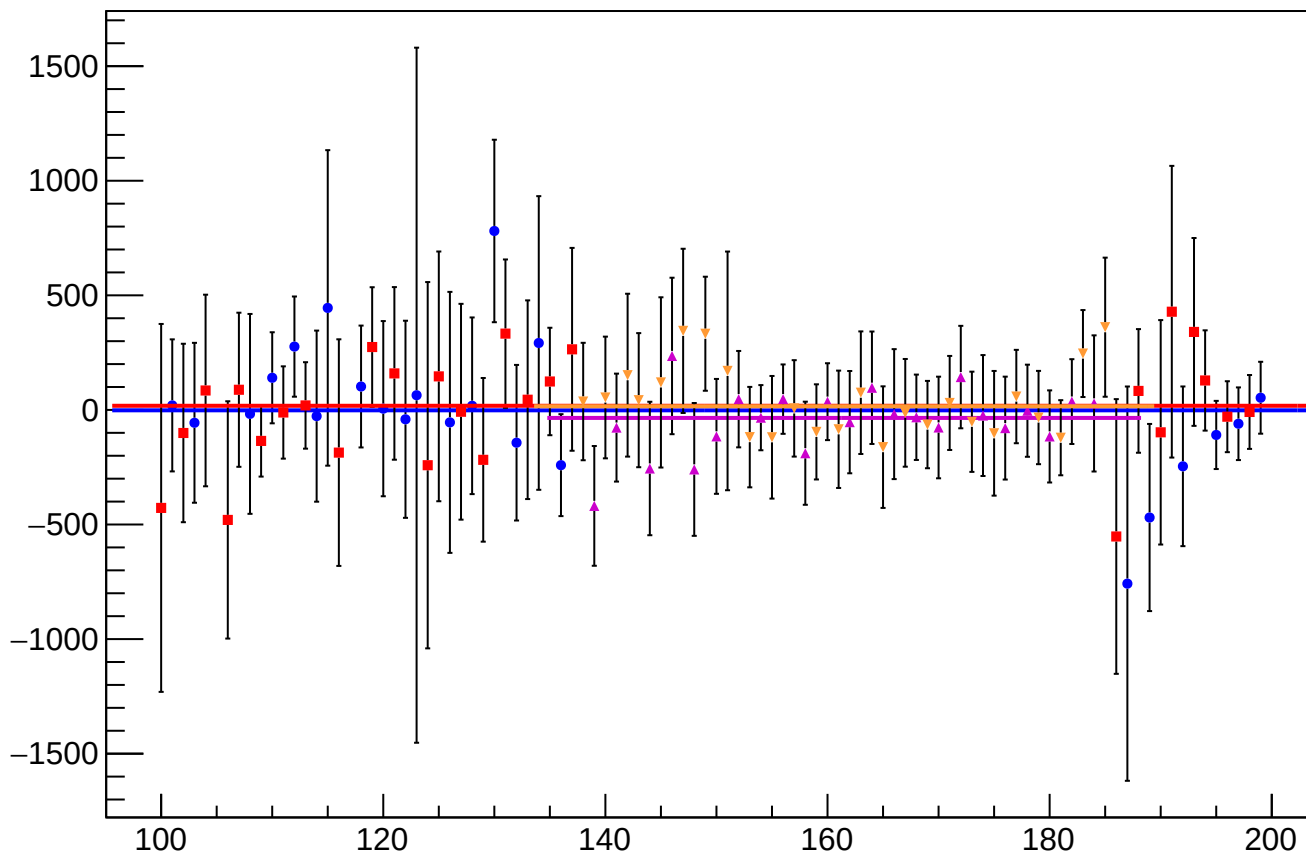
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.753 $\pm$ 0.003 χ^2 /NDF: 43236.6/47

All: 22.743 $\pm$ 0.002 χ^2 /NDF: 81378.0/97

- sign 22.734 $\pm$ 0.003 χ^2 /NDF: 38119.9/49

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -1.740 ± 58.065 χ^2/NDF : 11.5/22

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 18.095 ± 54.881 χ^2/NDF : 8.2/26

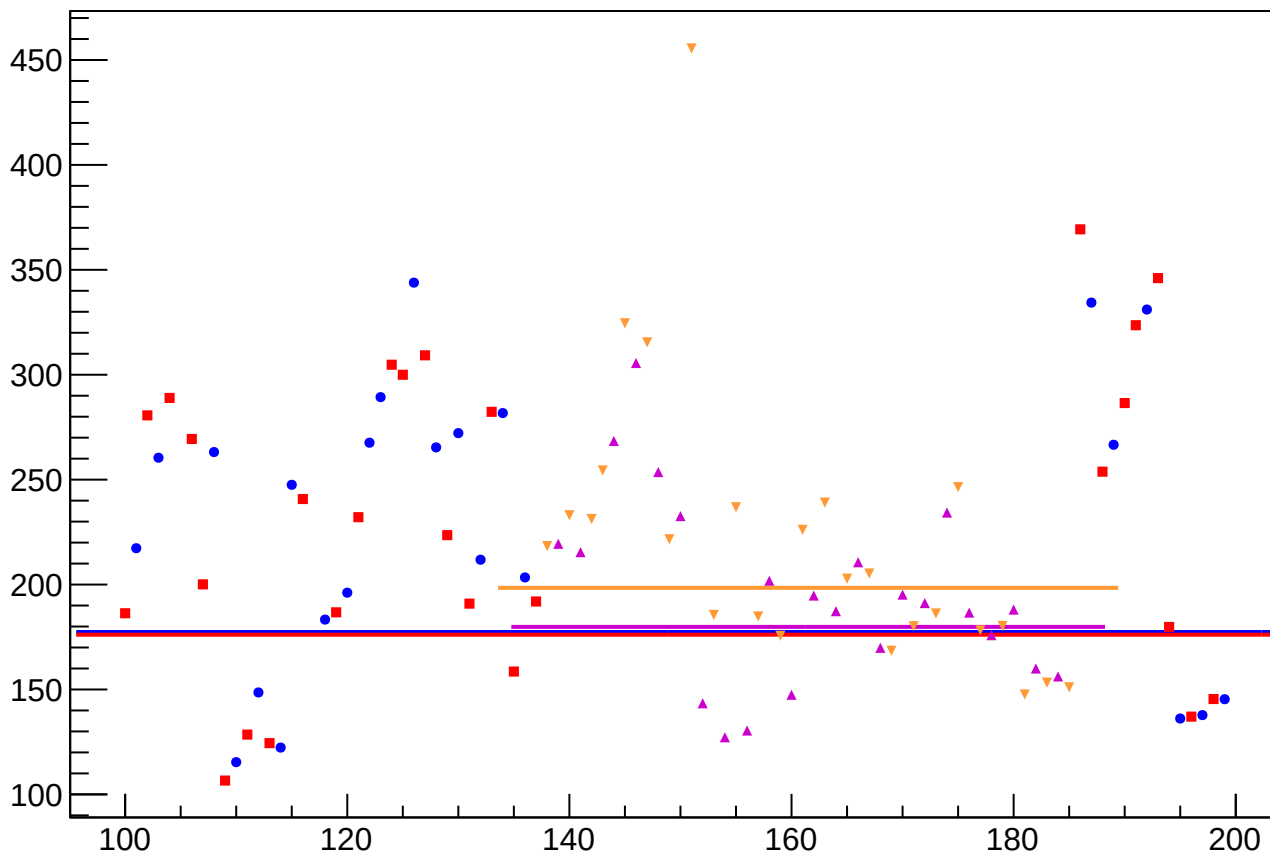
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign 8.759 ± 36.949 χ^2/NDF : 20.0/47

All: -3.106 ± 25.327 χ^2/NDF : 35.5/97

- sign -13.622 ± 34.784 χ^2/NDF : 15.3/49

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 177.377 $\pm$ 0.041 χ^2 /NDF: 2030769.4/22

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF: 1761433.9/24

Right Out: 176.106 $\pm$ 0.039 χ^2 /NDF: 2723310.1/26

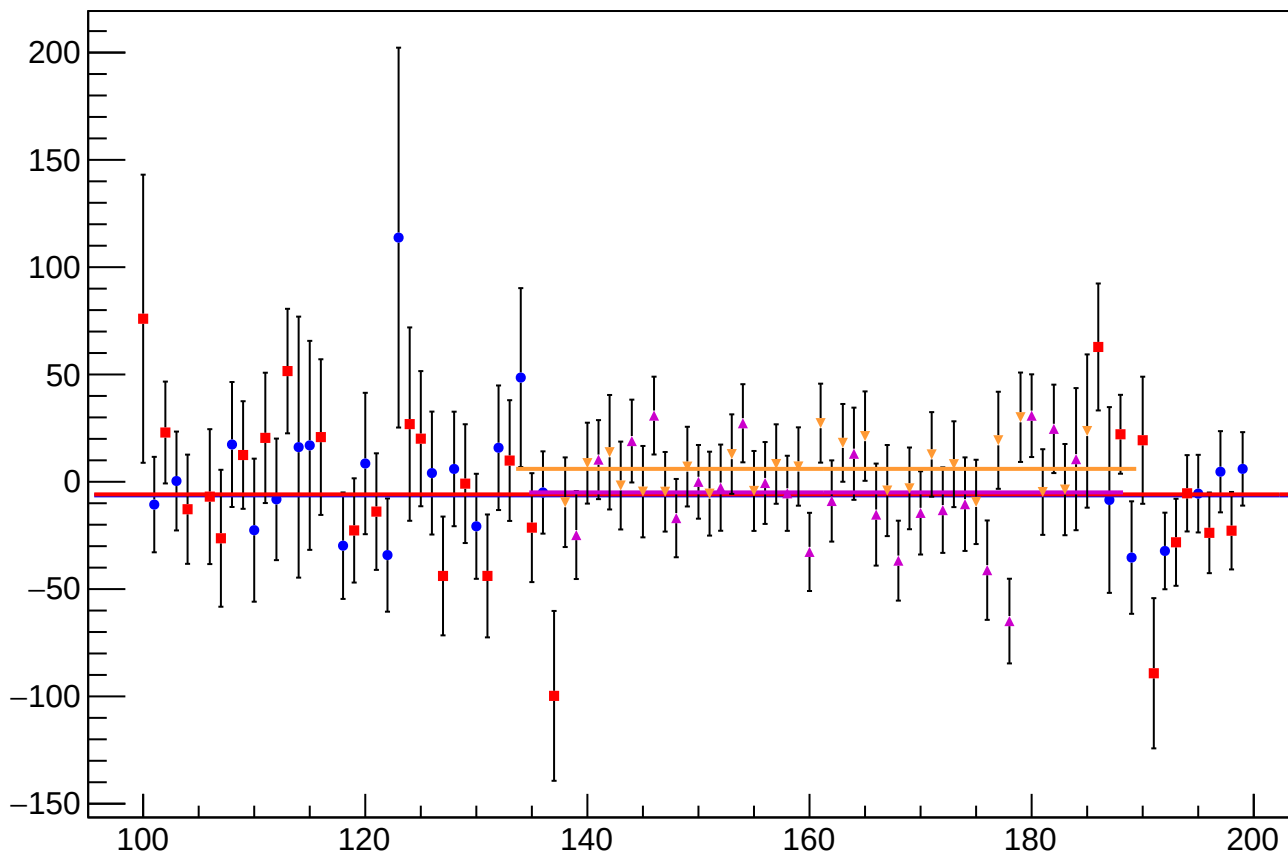
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF: 1588834.3/22

+ sign 189.917 $\pm$ 0.026 χ^2 /NDF: 3948956.7/47

All: 183.779 $\pm$ 0.018 χ^2 /NDF: 8370732.2/97

- sign 178.339 $\pm$ 0.025 χ^2 /NDF: 4317680.0/49

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.329 $\pm$ 5.329 χ^2/NDF : 12.6/22

Left Out: 6.020 $\pm$ 4.017 χ^2/NDF : 8.1/24

Right Out: -5.868 $\pm$ 5.028 χ^2/NDF : 38.1/26

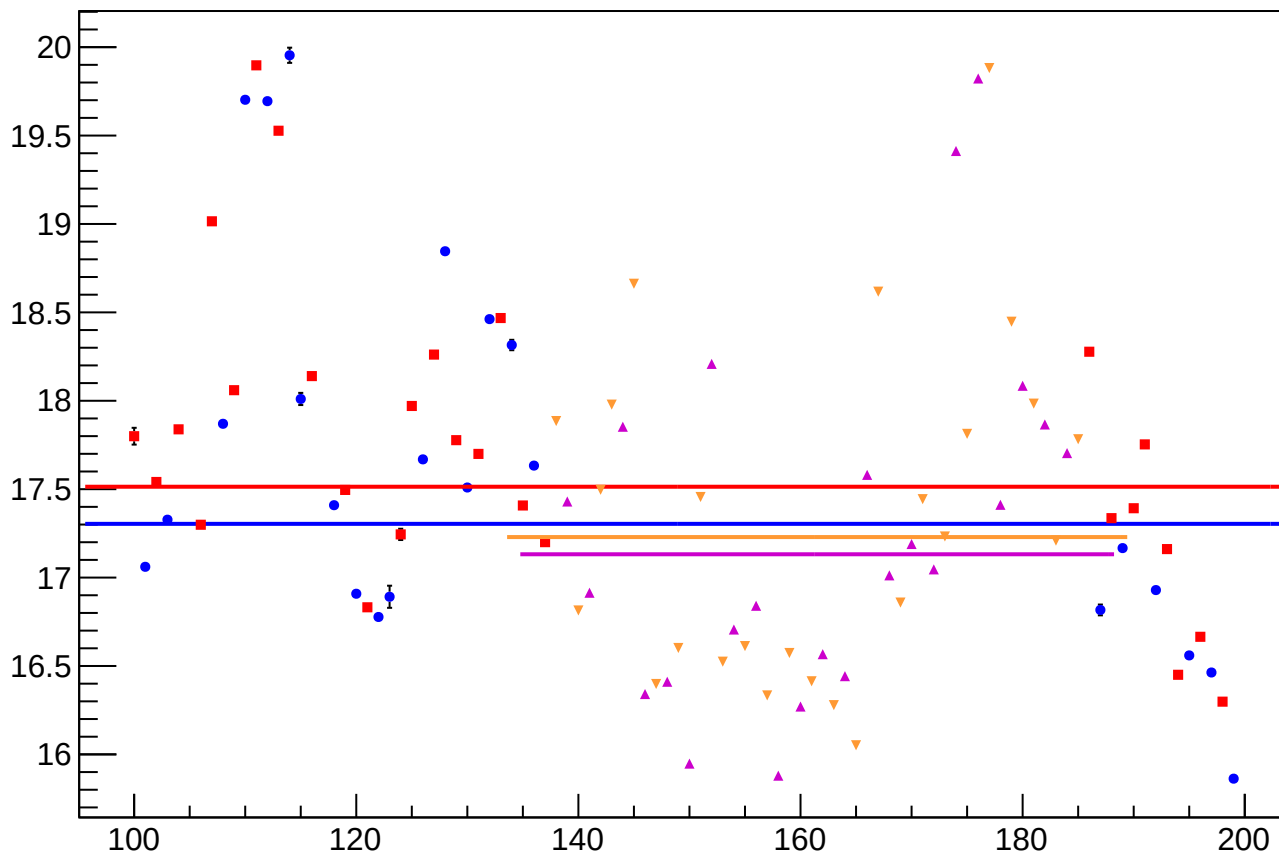
Left In: -4.943 $\pm$ 4.108 χ^2/NDF : 34.8/22

+ sign 1.545 $\pm$ 3.208 χ^2/NDF : 24.2/47

All: -1.913 $\pm$ 2.259 χ^2/NDF : 99.5/97

- sign -5.314 $\pm$ 3.181 χ^2/NDF : 72.9/49

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.304 ± 0.004 χ^2/NDF : 65790.7/22

Left Out: 17.229 ± 0.003 χ^2/NDF : 98624.7/24

Right Out: 17.514 ± 0.004 χ^2/NDF : 56883.5/26

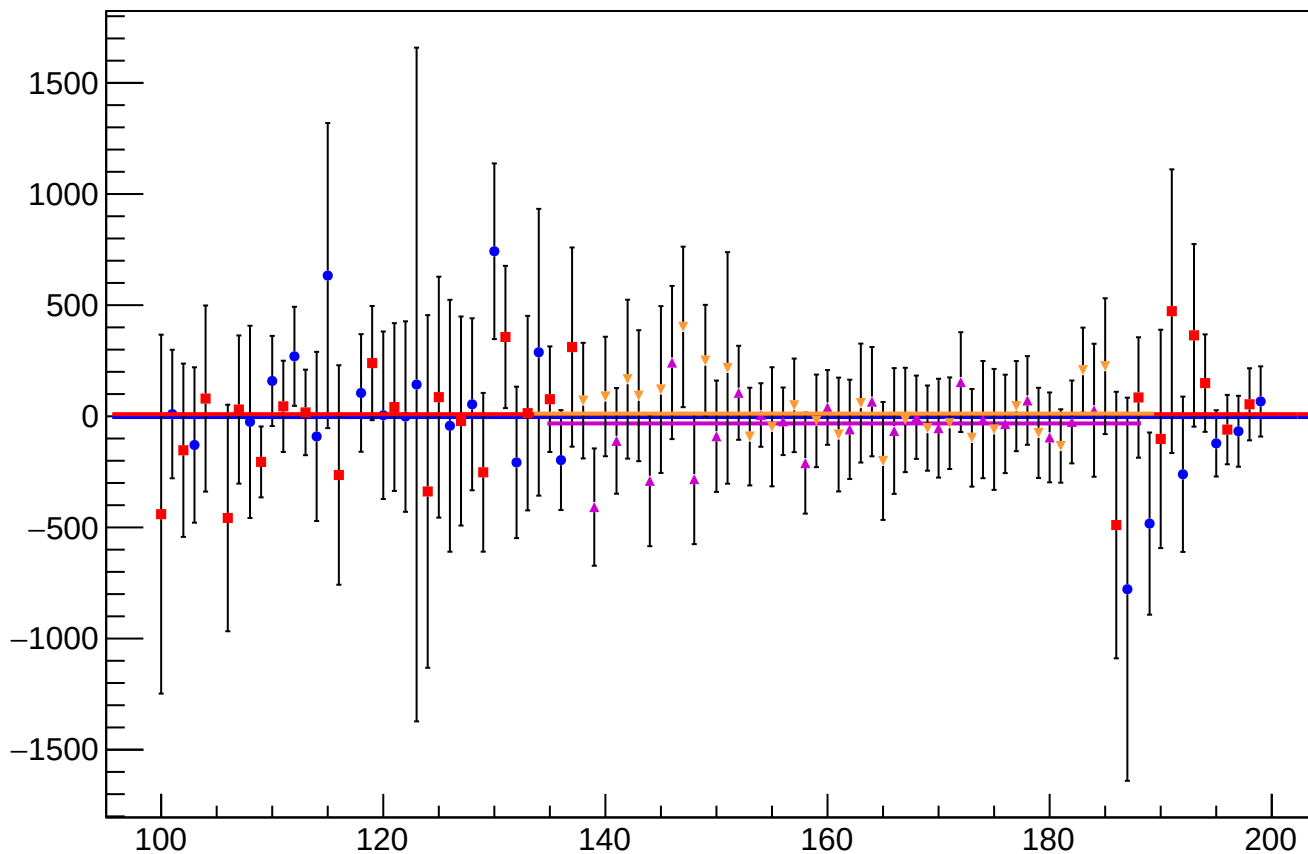
Left In: 17.132 ± 0.003 χ^2/NDF : 103997.3/22

+ sign 17.256 ± 0.002 χ^2/NDF : 164666.6/47

All: 17.271 ± 0.002 χ^2/NDF : 332551.6/97

- sign 17.285 ± 0.002 χ^2/NDF : 167805.3/49

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -3.327 ± 58.413 χ^2/NDF : 12.0/22

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 9.605 ± 55.311 χ^2/NDF : 9.6/26

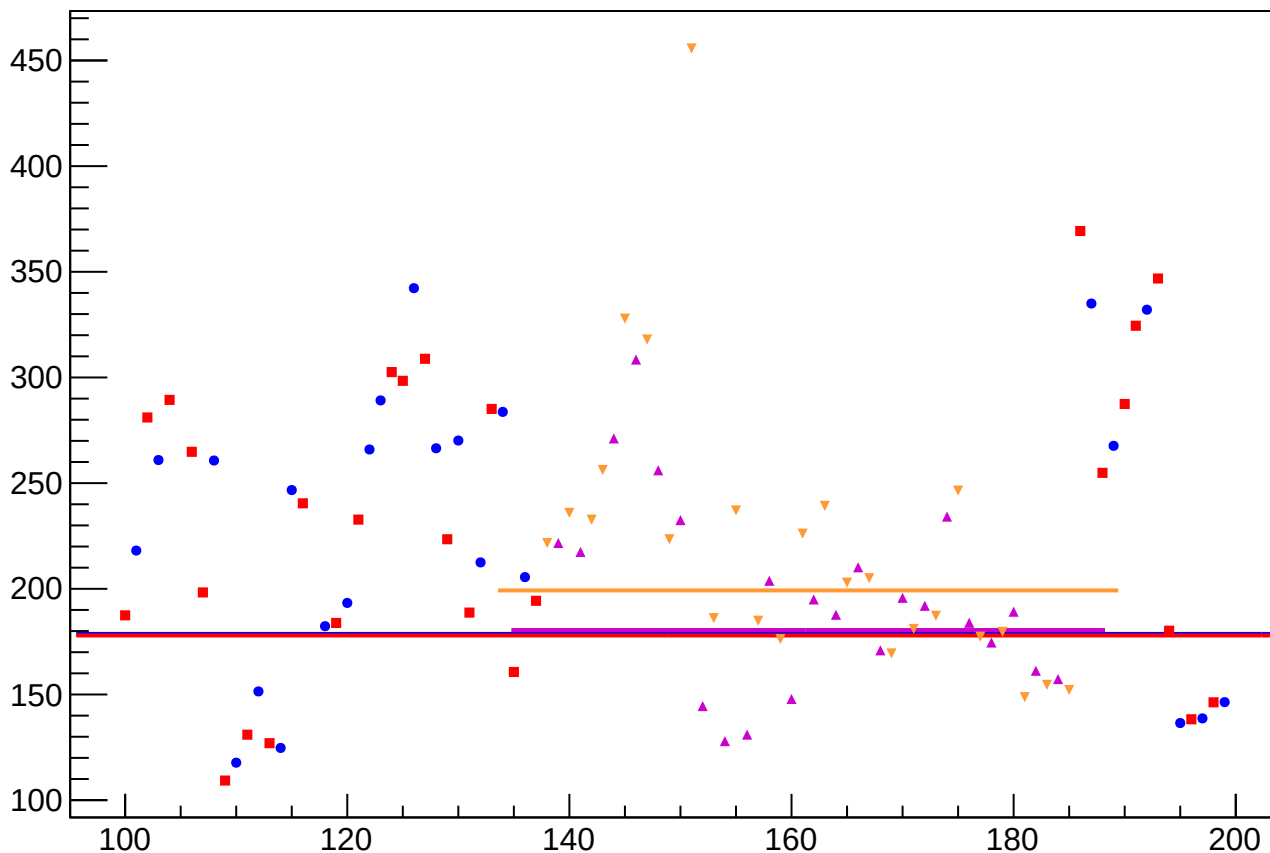
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign 6.092 ± 37.125 χ^2/NDF : 18.9/47

All: -5.332 ± 25.454 χ^2/NDF : 35.9/97

- sign -15.467 ± 34.968 χ^2/NDF : 16.8/49

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 178.655 $\pm$ 0.041 χ^2 /NDF: 1980475.1/22

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF: 1764097.7/24

Right Out: 177.915 $\pm$ 0.039 χ^2 /NDF: 2623605.3/26

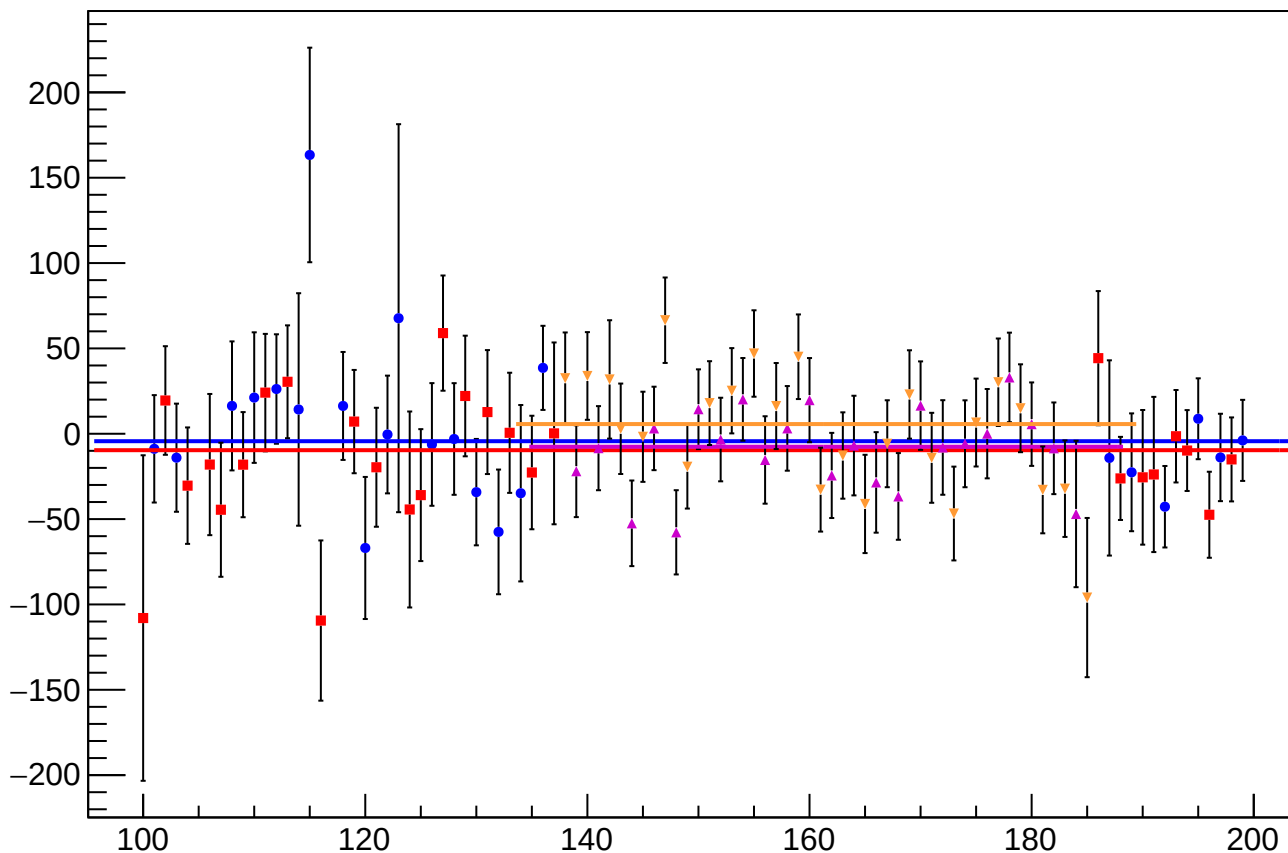
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF: 1593784.1/22

+ sign 190.926 $\pm$ 0.026 χ^2 /NDF: 3892632.7/47

All: 184.852 $\pm$ 0.018 χ^2 /NDF: 8213665.4/97

- sign 179.463 $\pm$ 0.025 χ^2 /NDF: 4219998.7/49

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.361 ± 6.930 $\chi^2/\text{NDF}: 21.8/22$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -9.628 ± 6.498 $\chi^2/\text{NDF}: 21.9/26$

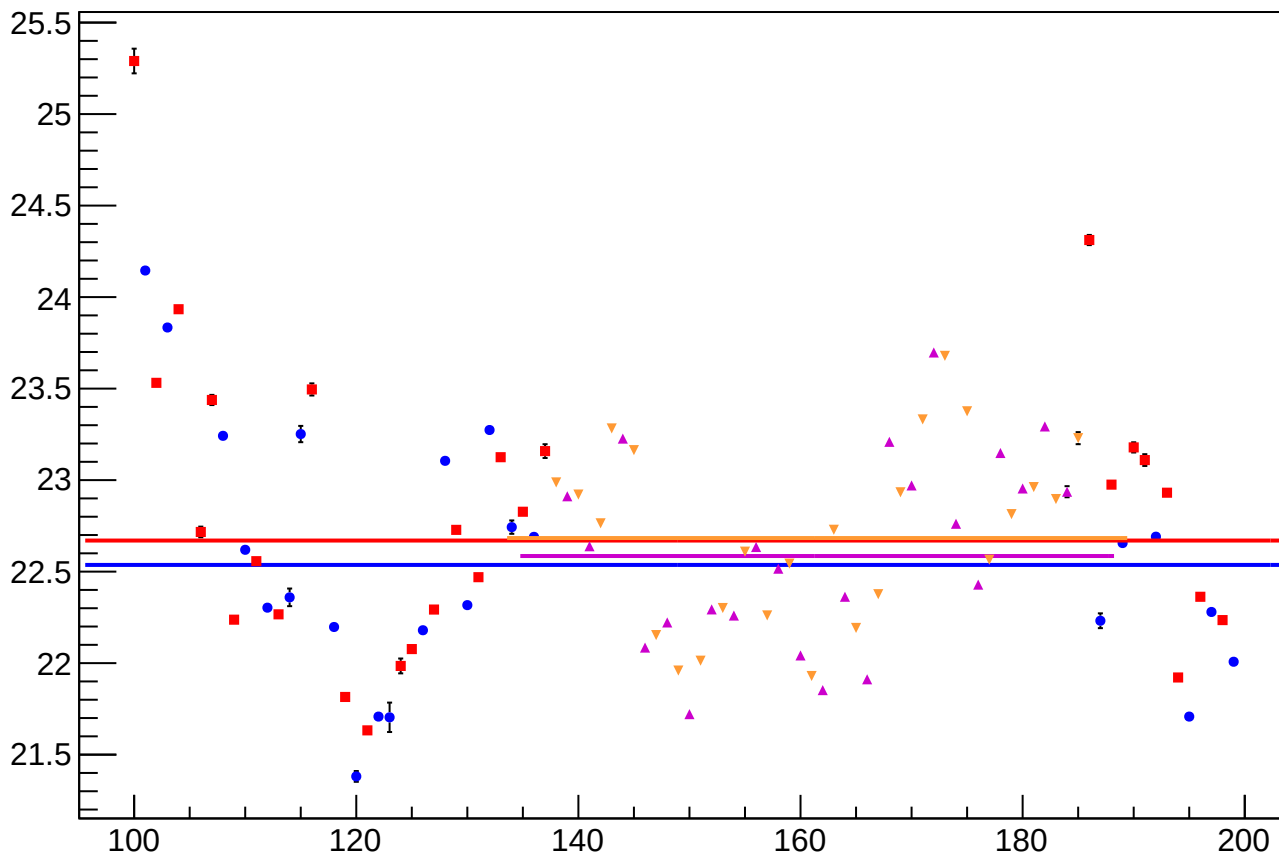
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 1.990 ± 4.199 $\chi^2/\text{NDF}: 59.6/47$

All: -3.274 ± 2.953 $\chi^2/\text{NDF}: 103.0/97$

- sign -8.425 ± 4.154 $\chi^2/\text{NDF}: 40.3/49$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.537 $\pm$ 0.005 χ^2 /NDF: 18331.1/22

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.670 $\pm$ 0.005 χ^2 /NDF: 20239.1/26

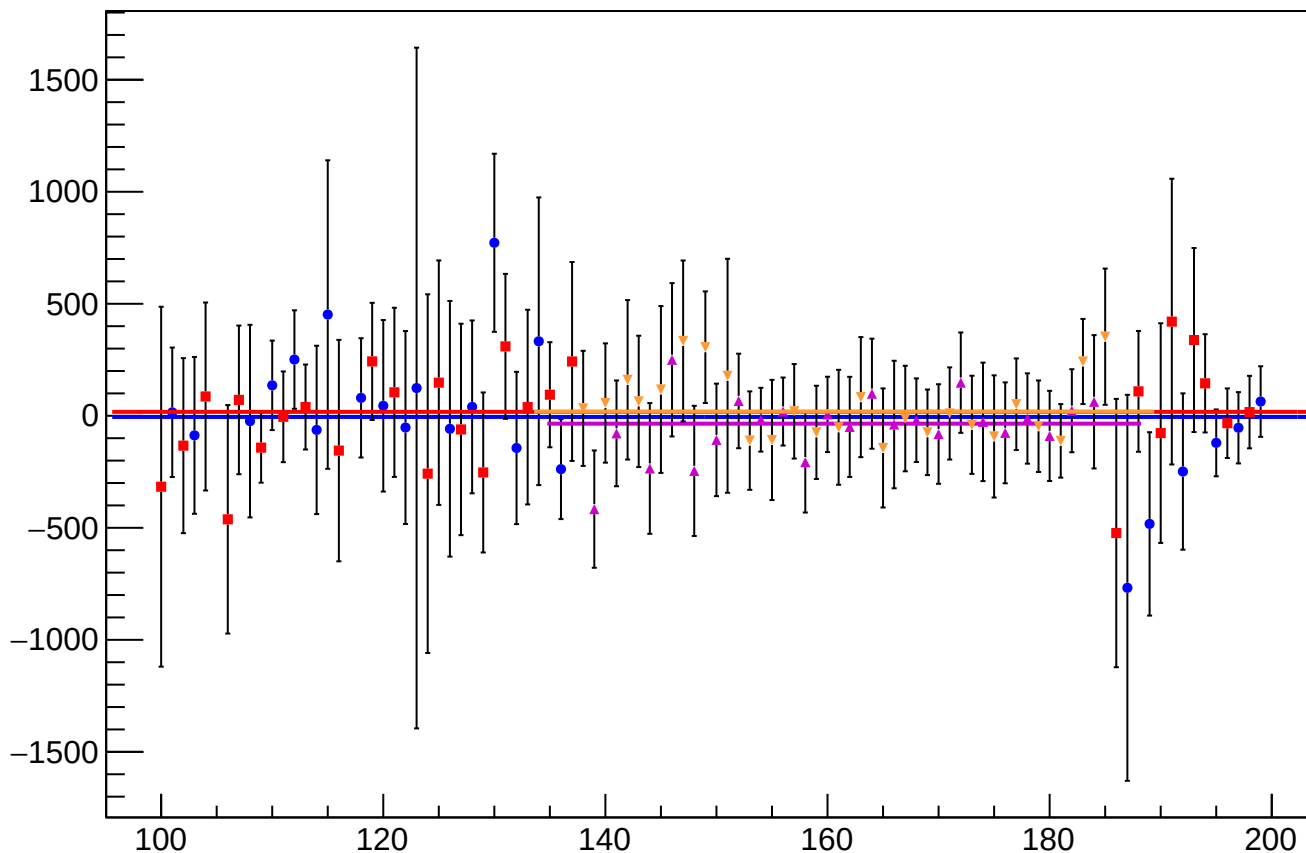
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.630 $\pm$ 0.003 χ^2 /NDF: 35217.4/47

All: 22.625 $\pm$ 0.002 χ^2 /NDF: 73749.8/97

- sign 22.620 $\pm$ 0.003 χ^2 /NDF: 38527.0/49

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -5.150 ± 58.235 $\chi^2/\text{NDF}: 11.4/22$

Left Out: 18.633 ± 48.006 $\chi^2/\text{NDF}: 7.6/24$

Right Out: 17.576 ± 55.015 $\chi^2/\text{NDF}: 7.6/26$

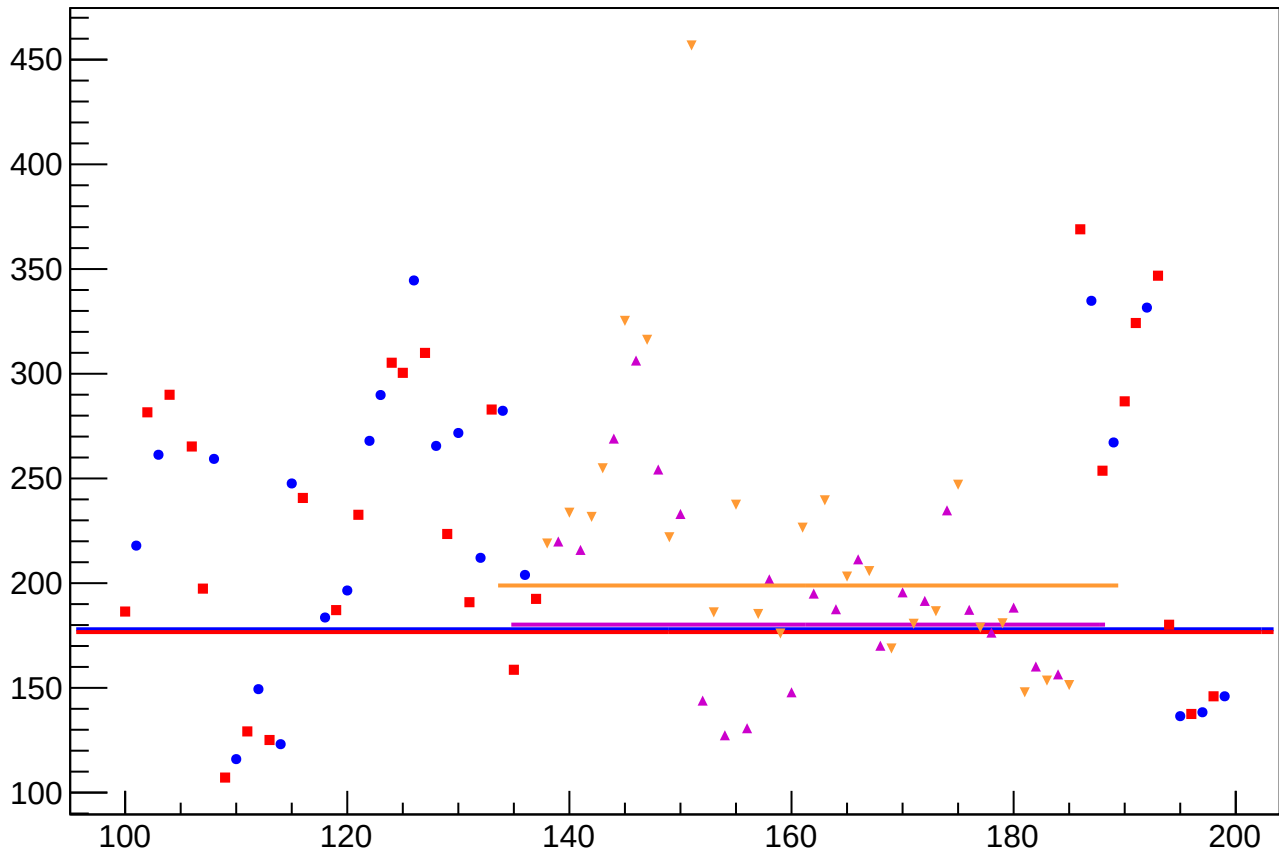
Left In: -35.046 ± 45.063 $\chi^2/\text{NDF}: 6.3/22$

+ sign 9.010 ± 37.042 $\chi^2/\text{NDF}: 19.1/47$

All: -3.148 ± 25.387 $\chi^2/\text{NDF}: 33.8/97$

- sign -13.917 ± 34.861 $\chi^2/\text{NDF}: 14.5/49$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 177.983 $\pm$ 0.041 χ^2 /NDF: 2011927.1/22

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 176.641 $\pm$ 0.039 χ^2 /NDF: 2698059.4/26

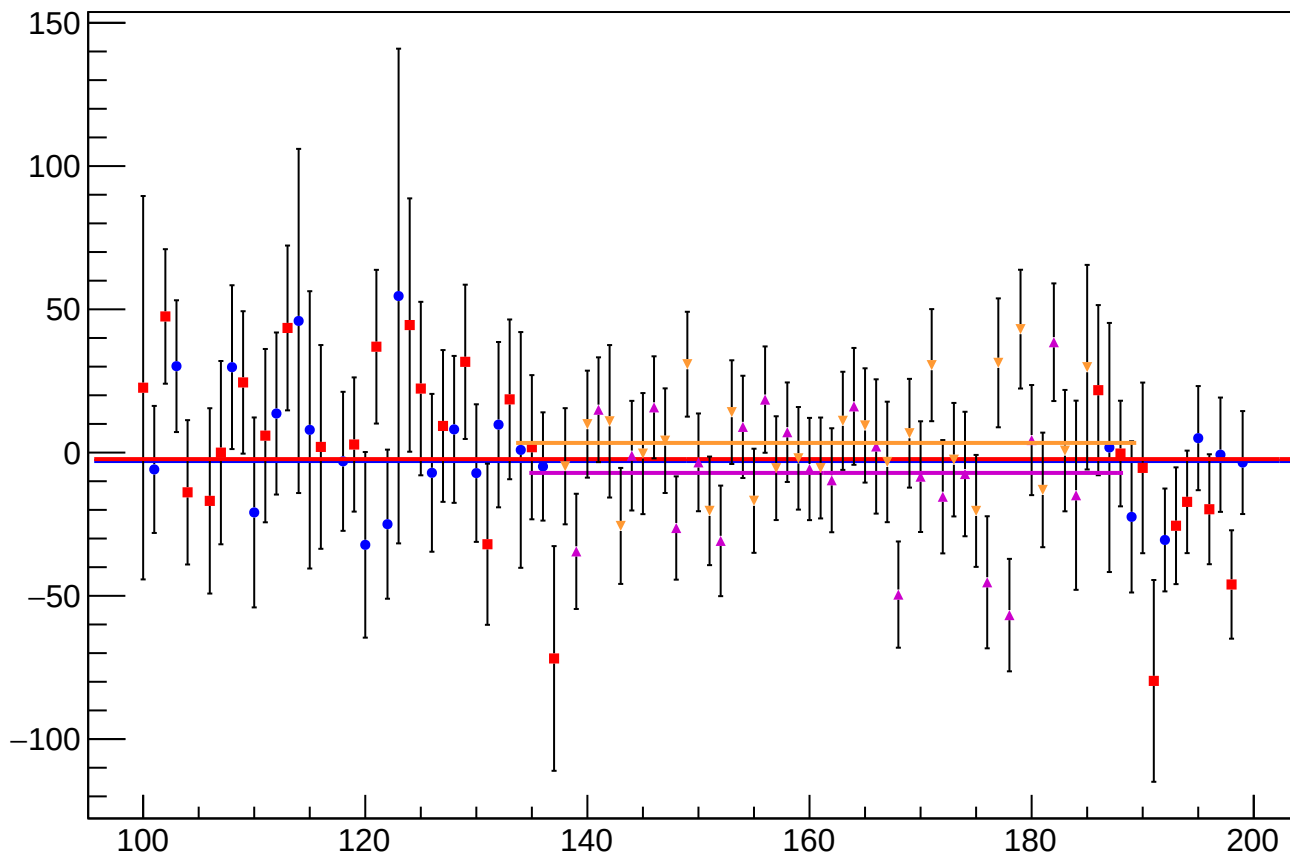
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 190.431 $\pm$ 0.026 χ^2 /NDF: 3927874.4/47

All: 184.250 $\pm$ 0.018 χ^2 /NDF: 8324986.9/97

- sign 178.775 $\pm$ 0.025 χ^2 /NDF: 4292094.3/49

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.954 ± 5.334 χ^2/NDF : 10.3/22

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -2.276 ± 5.018 χ^2/NDF : 33.1/26

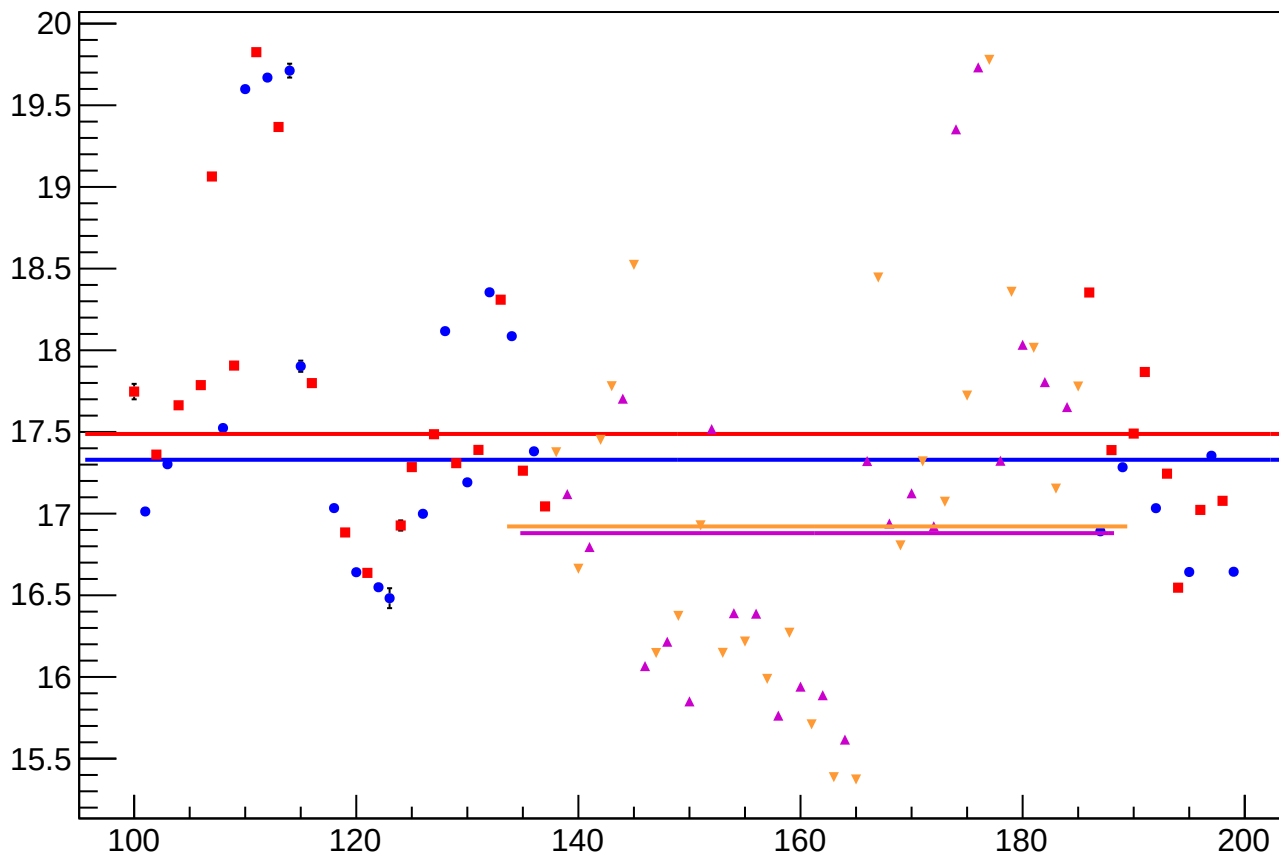
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 1.134 ± 3.173 χ^2/NDF : 30.0/47

All: -2.055 ± 2.236 χ^2/NDF : 98.2/97

- sign -5.198 ± 3.150 χ^2/NDF : 66.2/49

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.330 ± 0.004 $\chi^2/\text{NDF}: 42166.9/22$

Left Out: 16.921 ± 0.003 $\chi^2/\text{NDF}: 138990.4/24$

Right Out: 17.488 ± 0.004 $\chi^2/\text{NDF}: 42345.9/26$

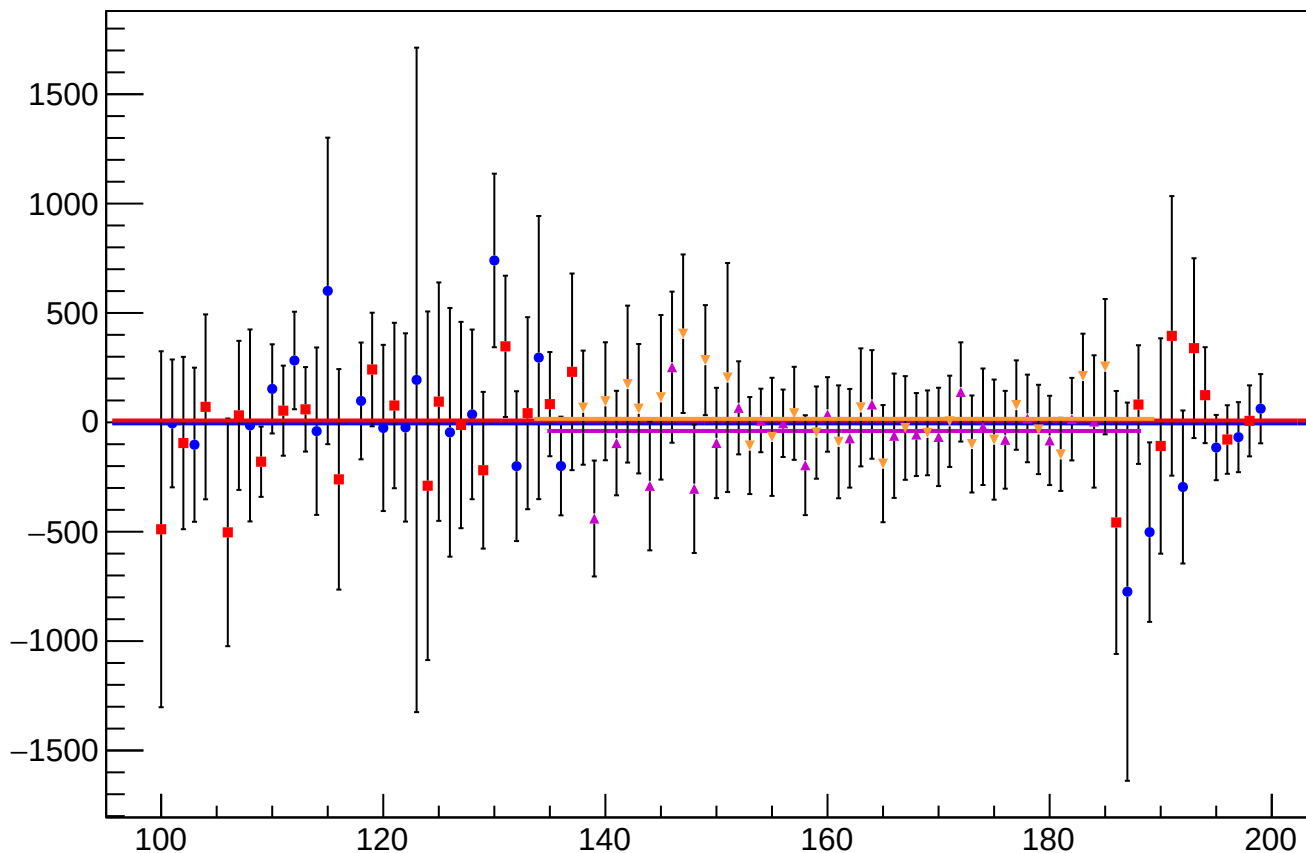
Left In: 16.880 ± 0.003 $\chi^2/\text{NDF}: 121736.1/22$

+ sign 17.066 ± 0.002 $\chi^2/\text{NDF}: 188726.7/47$

All: 17.093 ± 0.002 $\chi^2/\text{NDF}: 370844.8/97$

- sign 17.120 ± 0.002 $\chi^2/\text{NDF}: 181827.5/49$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -4.688 ± 58.640 χ^2/NDF : 11.9/22

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 8.402 ± 55.587 χ^2/NDF : 8.4/26

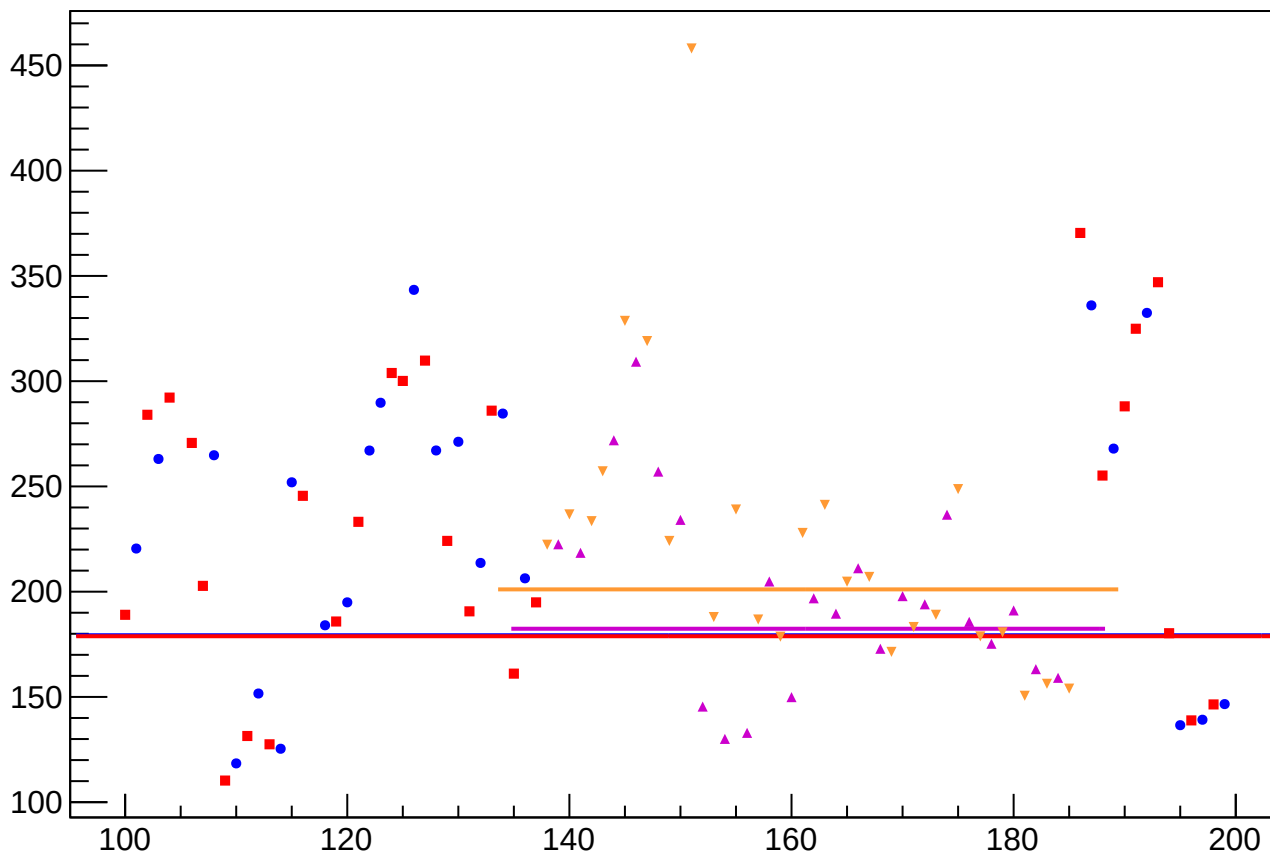
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign 7.578 ± 37.375 χ^2/NDF : 19.4/47

All: -7.112 ± 25.641 χ^2/NDF : 35.4/97

- sign -20.173 ± 35.242 χ^2/NDF : 15.7/49

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 179.309 $\pm$ 0.041 χ^2/NDF : 1992702.7/22

Left Out: 201.091 $\pm$ 0.034 χ^2/NDF : 1731069.1/24

Right Out: 178.829 $\pm$ 0.039 χ^2/NDF : 2627275.2/26

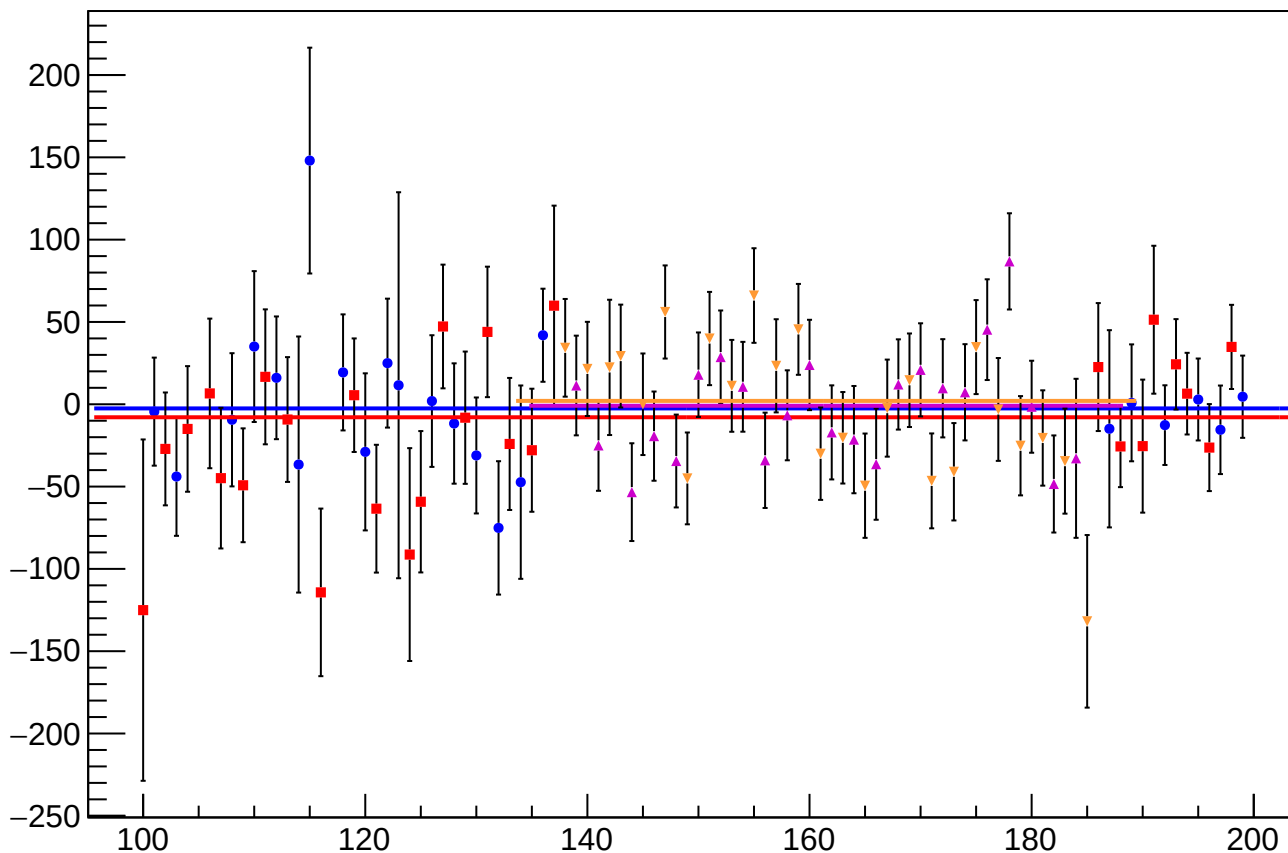
Left In: 182.396 $\pm$ 0.032 χ^2/NDF : 1548907.7/22

+ sign 192.243 $\pm$ 0.026 χ^2/NDF : 3887621.1/47

All: 186.271 $\pm$ 0.018 χ^2/NDF : 8165169.7/97

- sign 180.962 $\pm$ 0.025 χ^2/NDF : 4181107.9/49

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -2.517 ± 7.546 χ^2/NDF : 16.1/22

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -7.899 ± 7.009 χ^2/NDF : 27.5/26

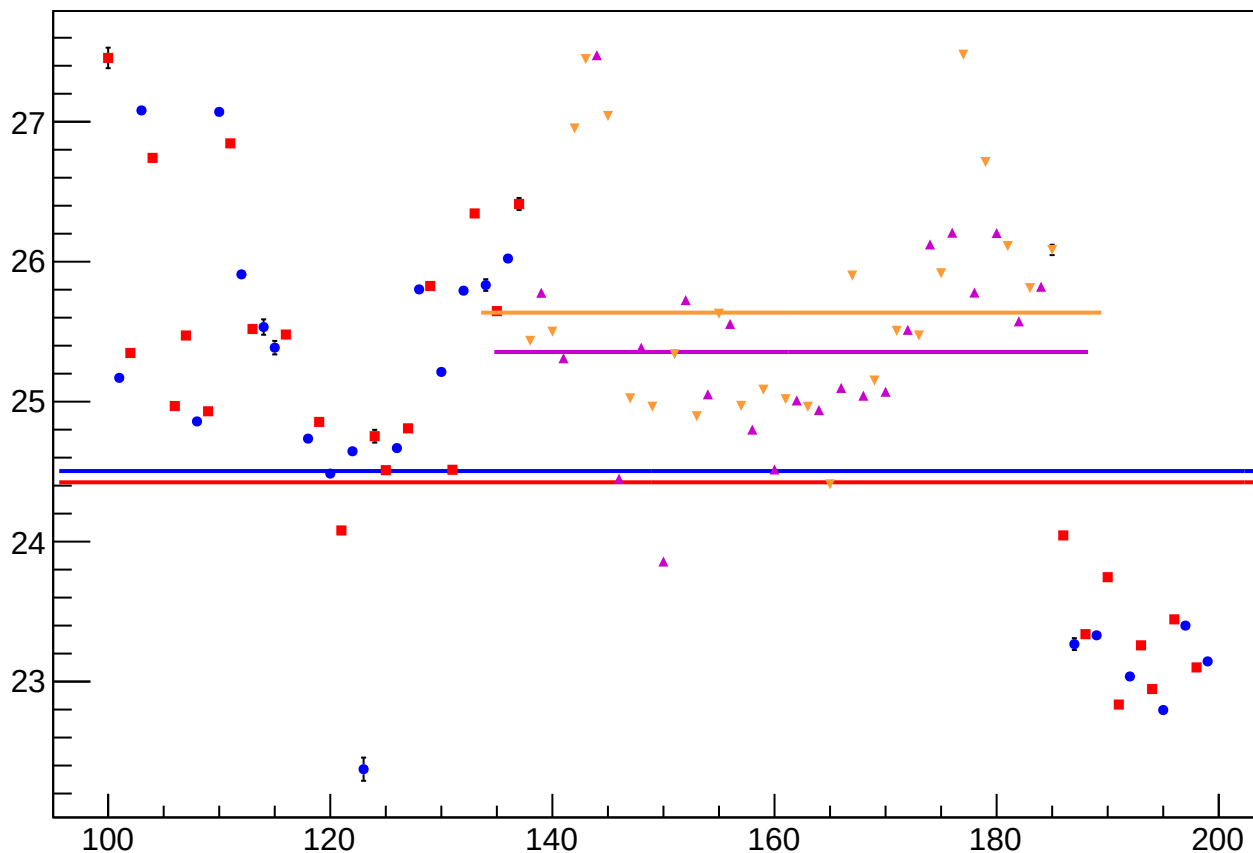
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 0.294 ± 4.682 χ^2/NDF : 55.7/47

All: -1.845 ± 3.277 χ^2/NDF : 111.3/97

- sign -3.900 ± 4.588 χ^2/NDF : 55.2/49

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.504 $\pm$ 0.005 χ^2 /NDF: 63071.6/22

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.424 $\pm$ 0.005 χ^2 /NDF: 59939.0/26

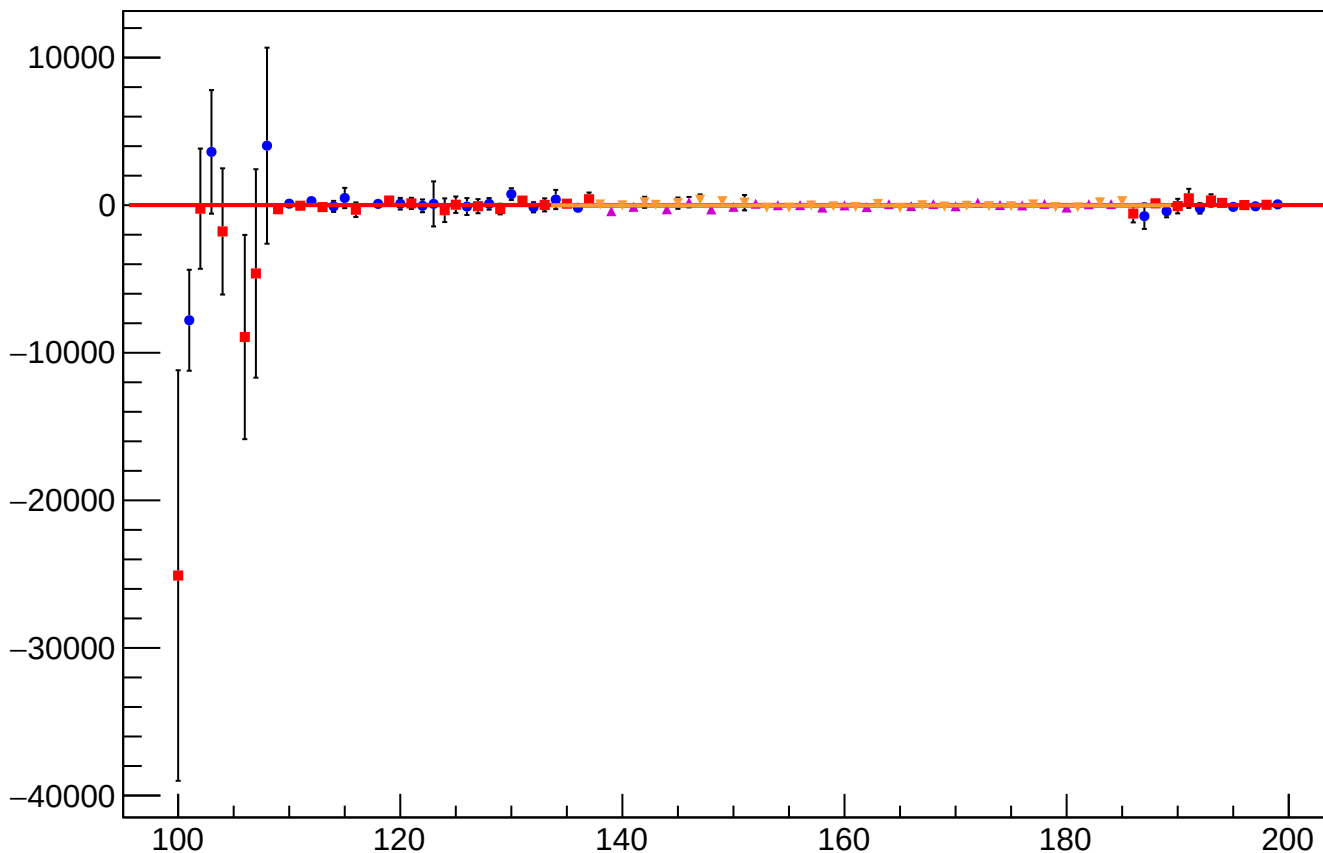
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.200 $\pm$ 0.003 χ^2 /NDF: 125882.9/47

All: 25.076 $\pm$ 0.002 χ^2 /NDF: 238532.3/97

- sign 24.956 $\pm$ 0.003 χ^2 /NDF: 109867.3/49

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 2.378+/-62.280 χ^2/NDF : 16.5/22

Left Out: -12.820+/-48.216 χ^2/NDF : 7.9/24

Right Out: 14.915+/-60.434 χ^2/NDF : 14.7/26

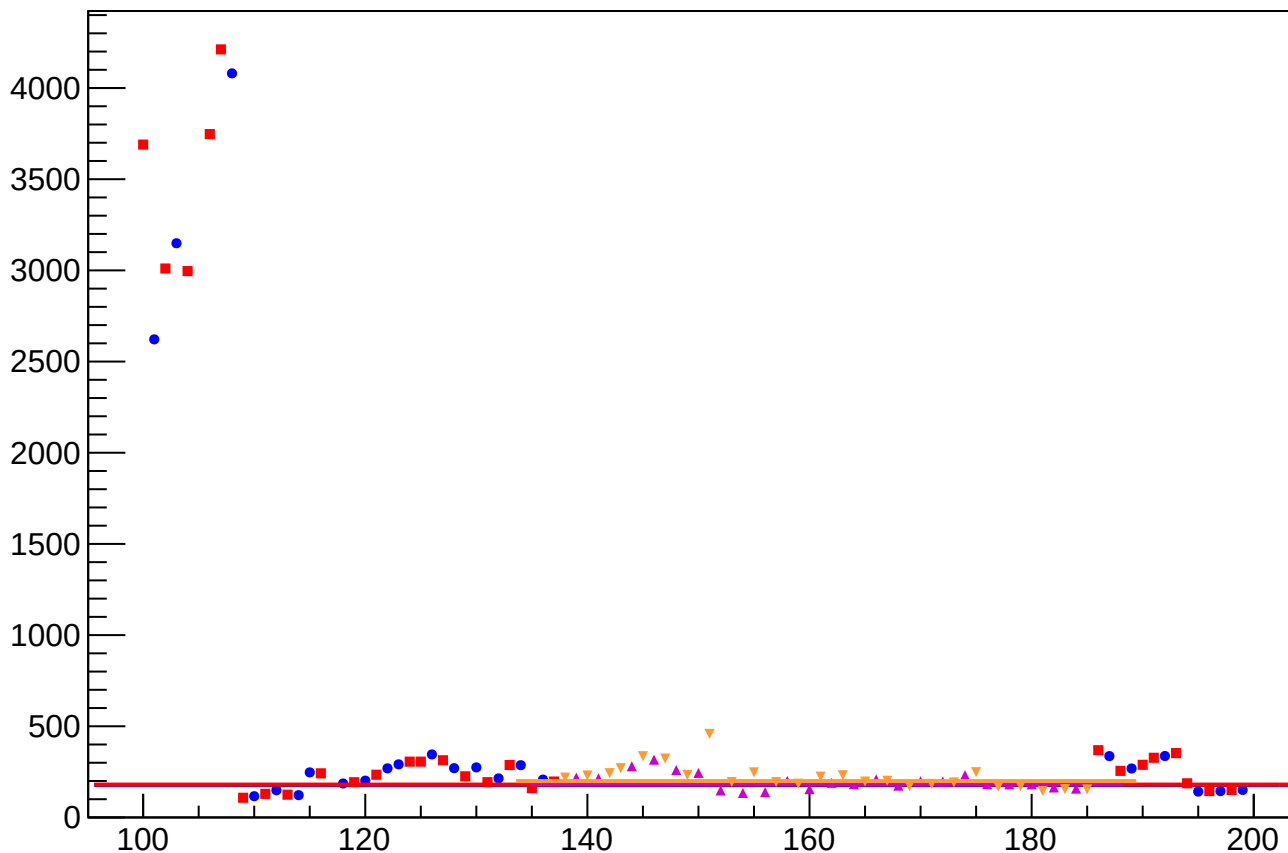
Left In: -26.836+/-45.876 χ^2/NDF : 7.5/22

+ sign -7.125+/-38.126 χ^2/NDF : 24.4/47

All: -9.443+/-26.381 χ^2/NDF : 46.9/97

- sign -11.573+/-36.540 χ^2/NDF : 22.5/49

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 178.039+/-0.044 χ^2/NDF : 4435520.5/22

Left Out: 199.536+/-0.034 χ^2/NDF :1880548.8/24

Right Out: 180.248+/-0.043 χ^2/NDF : 5270190.0/26

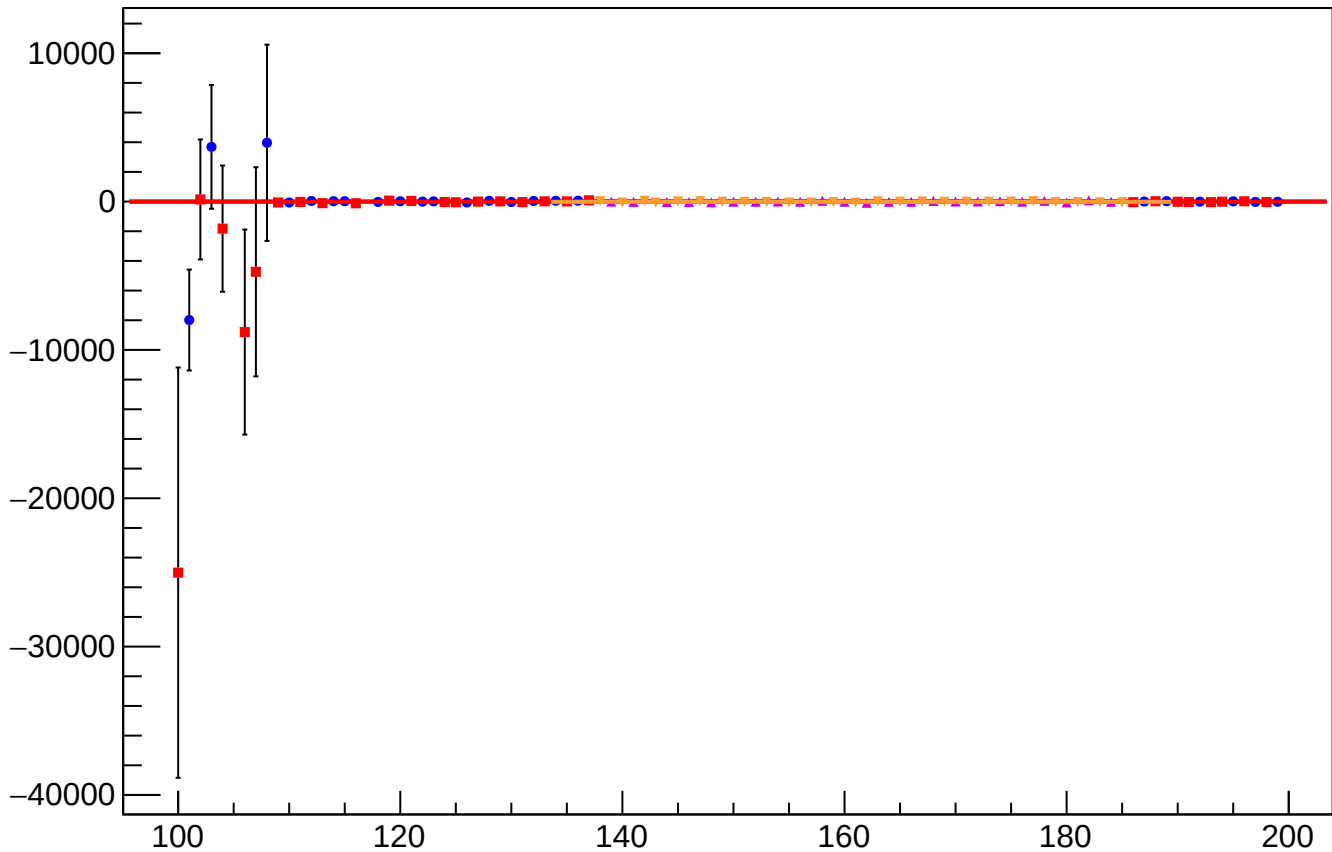
Left In: 184.031+/-0.032 χ^2/NDF :1423454.3/22

+ sign 191.479+/-0.027 χ^2/NDF : 6465053.8/47

All: 186.876+/-0.019 χ^2/NDF : 13219605.5/97

- sign 182.648+/-0.026 χ^2/NDF : 6698618.6/49

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 5.112 $\pm$ 9.189 χ^2 /NDF: 20.9/22

Left Out: -17.580 $\pm$ 6.694 χ^2 /NDF:22.3/24

Right Out: -10.854 $\pm$ 8.721 χ^2 /NDF: 28.6/26

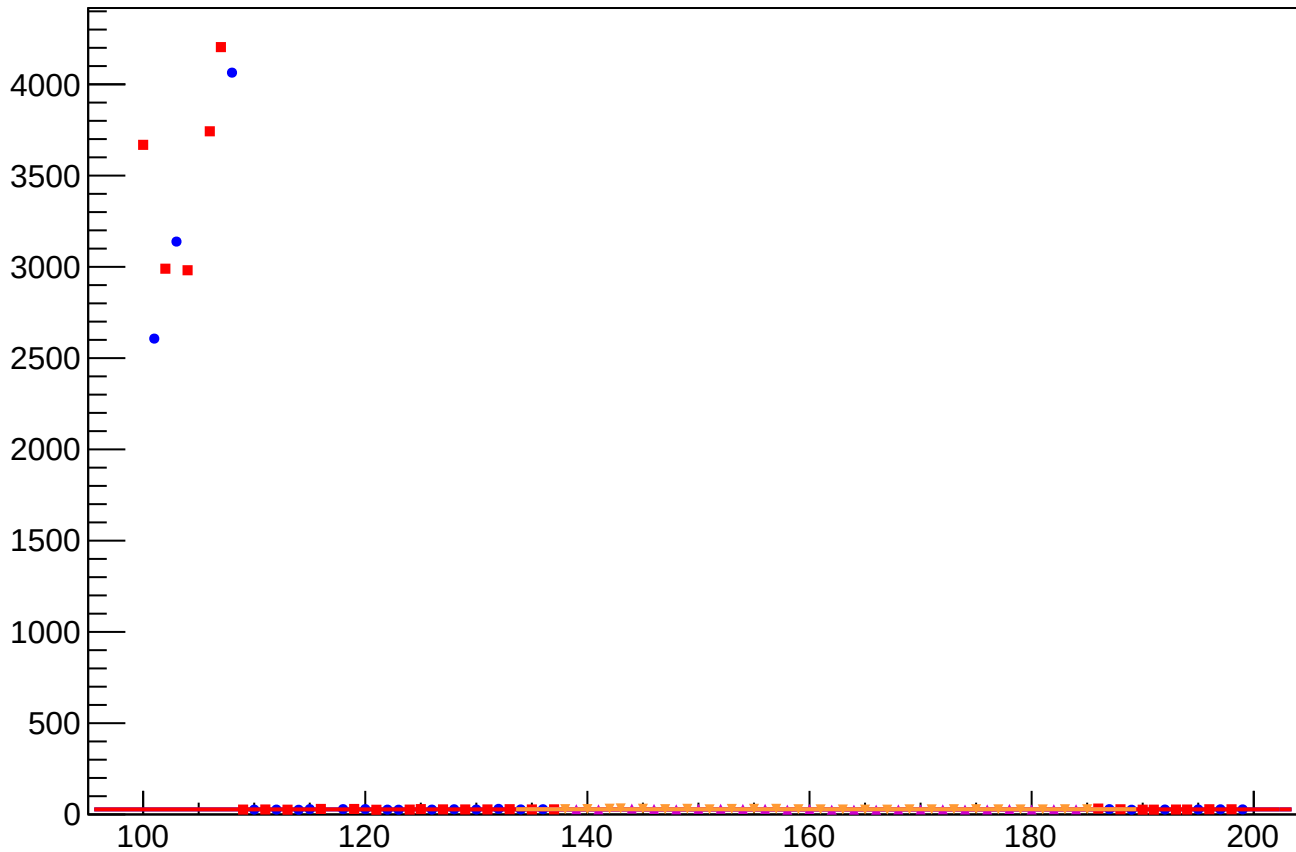
Left In: -1.038 $\pm$ 6.880 χ^2 /NDF:32.4/22

+ sign -9.713 $\pm$ 5.410 χ^2 /NDF: 47.2/47

All: -7.254 $\pm$ 3.823 χ^2 /NDF: 109.3/97

- sign -4.803 $\pm$ 5.402 χ^2 /NDF: 61.8/49

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.653 $\pm$ 0.006 χ^2 /NDF: 3034748.9/22

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.741 $\pm$ 0.006 χ^2 /NDF: 3500693.8/26

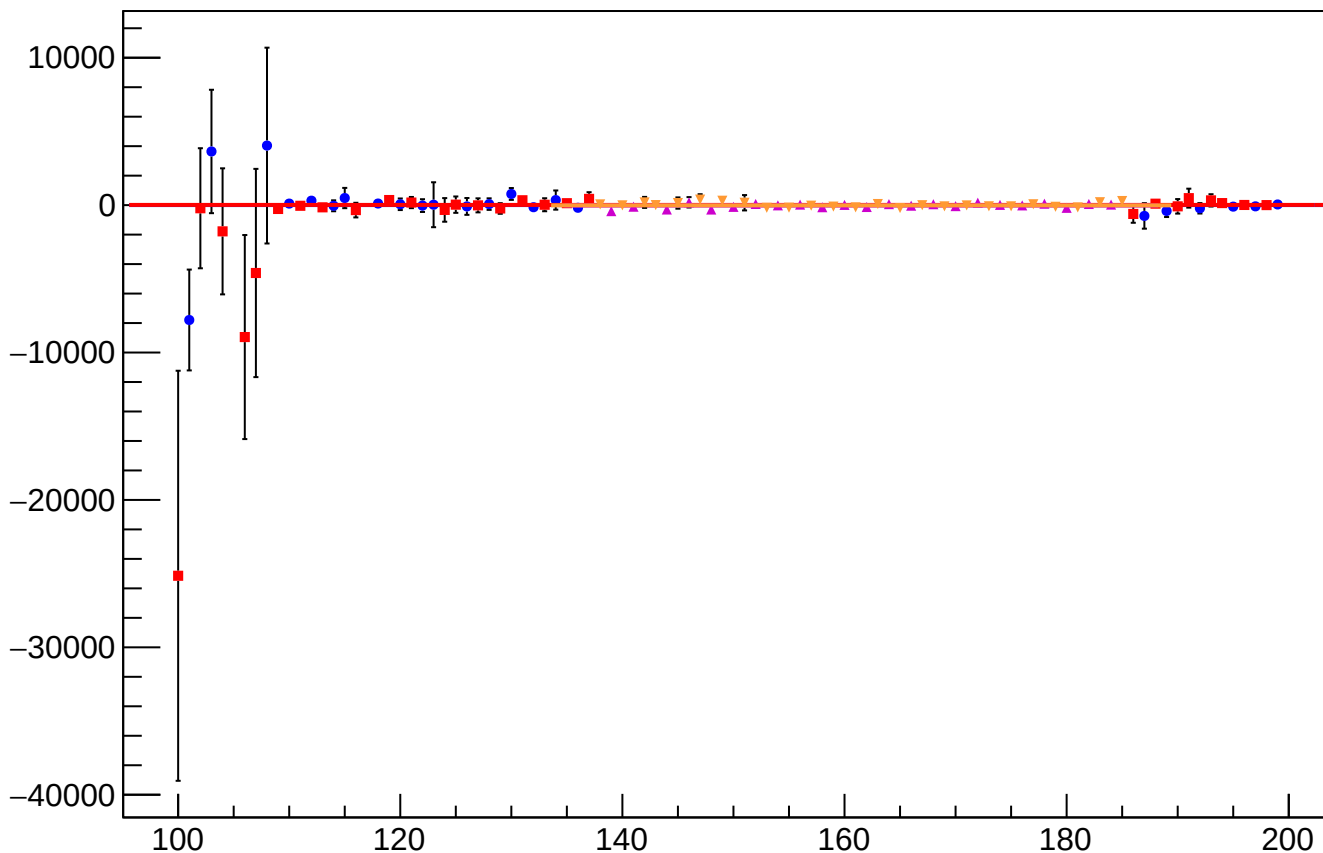
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.331 $\pm$ 0.004 χ^2 /NDF: 3161902.6/47

All: 28.323 $\pm$ 0.003 χ^2 /NDF: 6801415.5/97

- sign 28.315 $\pm$ 0.004 χ^2 /NDF: 3639504.7/49

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 5.066 $\pm$ 62.085 χ^2 /NDF: 16.6/22

Left Out: -15.483 $\pm$ 48.109 χ^2 /NDF: 8.7/24

Right Out: 14.640 $\pm$ 60.259 χ^2 /NDF: 15.4/26

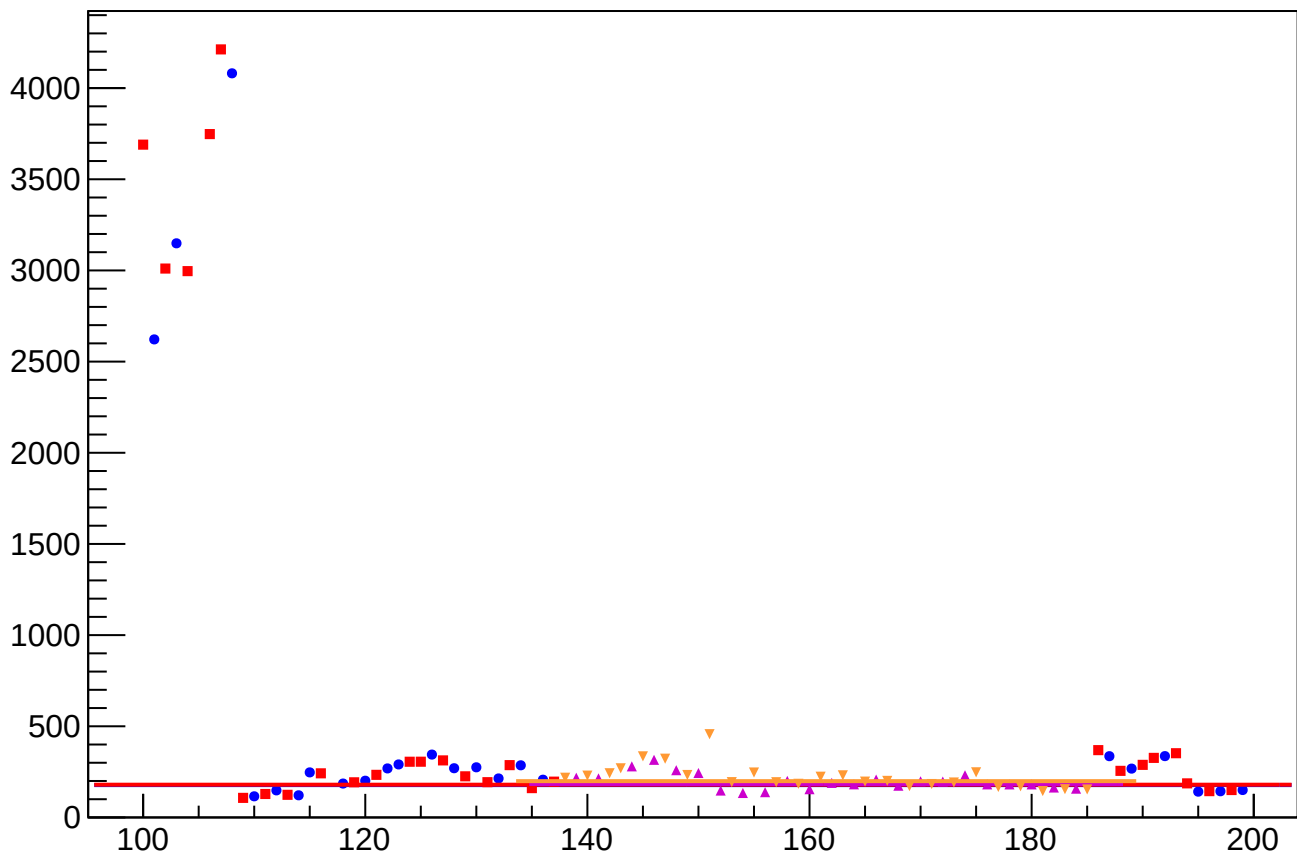
Left In: -27.009 $\pm$ 45.785 χ^2 /NDF: 7.8/22

+ sign -7.773 $\pm$ 38.028 χ^2 /NDF: 25.4/47

All: -9.854 $\pm$ 26.316 χ^2 /NDF: 48.9/97

- sign -11.766 $\pm$ 36.455 χ^2 /NDF: 23.5/49

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 177.410 $\pm$ 0.044 χ^2 /NDF: 4449129.9/22

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 179.639 $\pm$ 0.043 χ^2 /NDF: 5288295.4/26

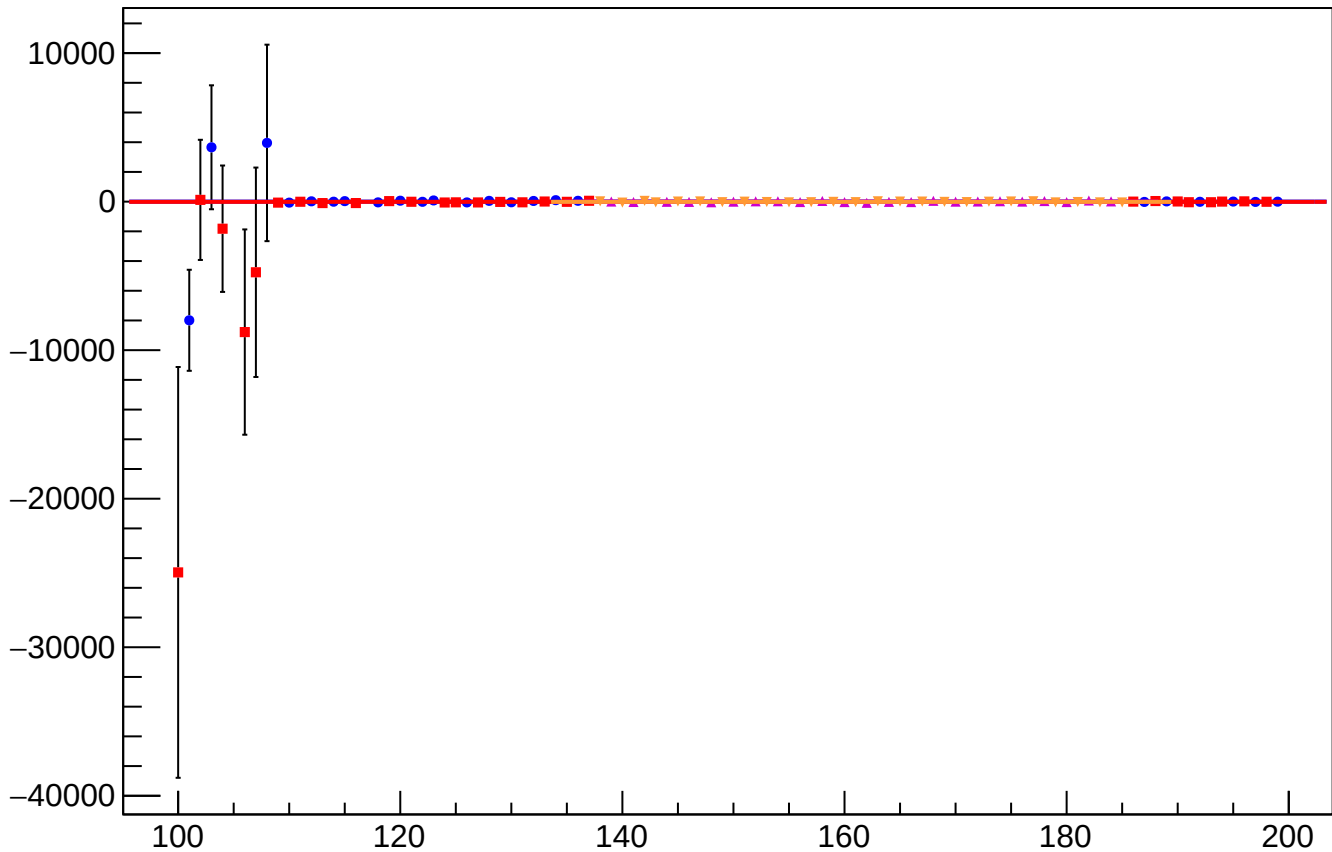
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 190.958 $\pm$ 0.027 χ^2 /NDF: 6481912.9/47

All: 186.391 $\pm$ 0.019 χ^2 /NDF: 13254146.6/97

- sign 182.193 $\pm$ 0.026 χ^2 /NDF: 6716858.3/49

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 2.495+/-9.193 χ^2/NDF : 23.9/22

Left Out: -15.006+/-6.723 χ^2/NDF :17.5/24

Right Out: -13.417+/-8.735 χ^2/NDF : 23.8/26

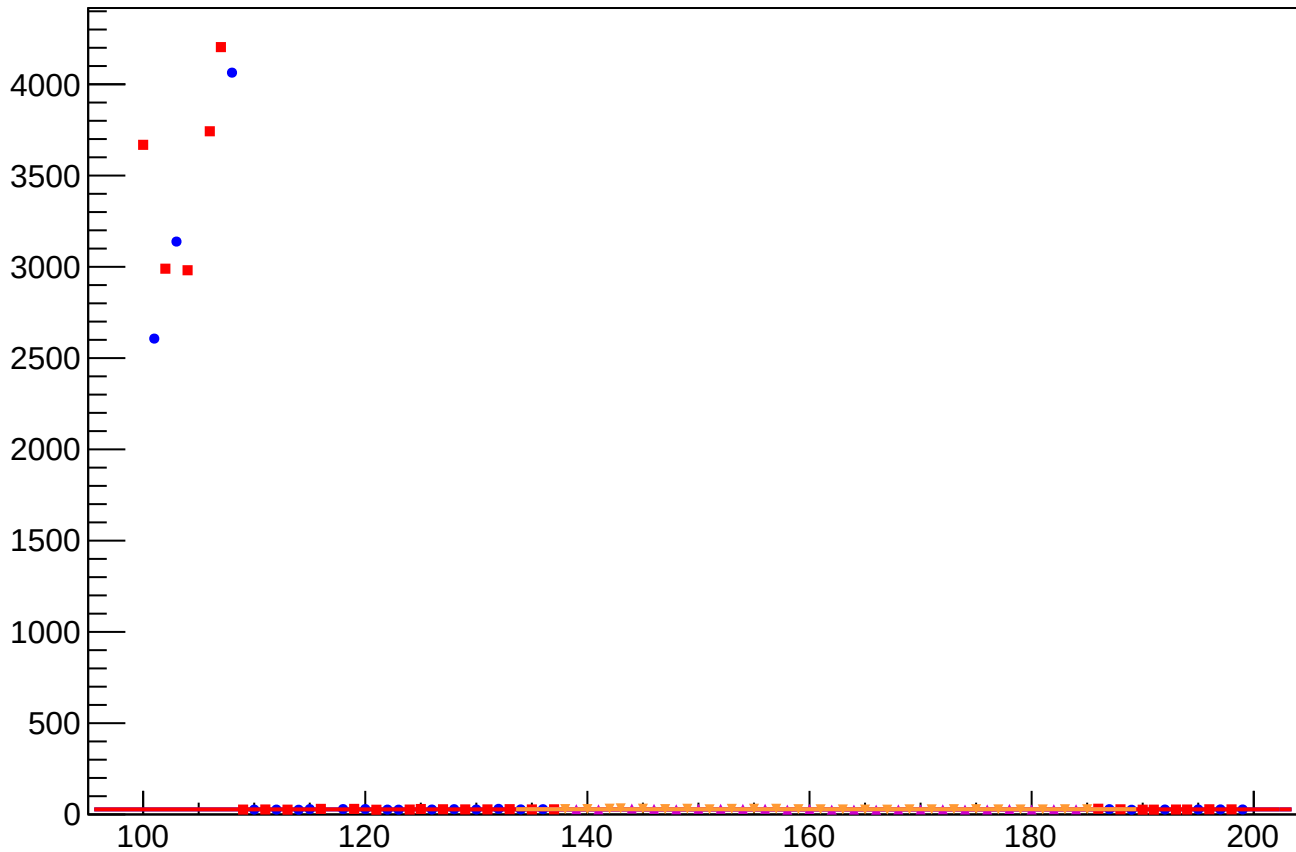
Left In: 0.702+/-6.909 χ^2/NDF :26.4/22

+ sign -8.908+/-5.427 χ^2/NDF : 43.8/47

All: -6.816+/-3.835 χ^2/NDF : 95.8/97

- sign -4.731+/-5.419 χ^2/NDF : 51.7/49

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.661 $\pm$ 0.007 χ^2 /NDF: 3037070.8/22

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.786 $\pm$ 0.006 χ^2 /NDF: 3497755.4/26

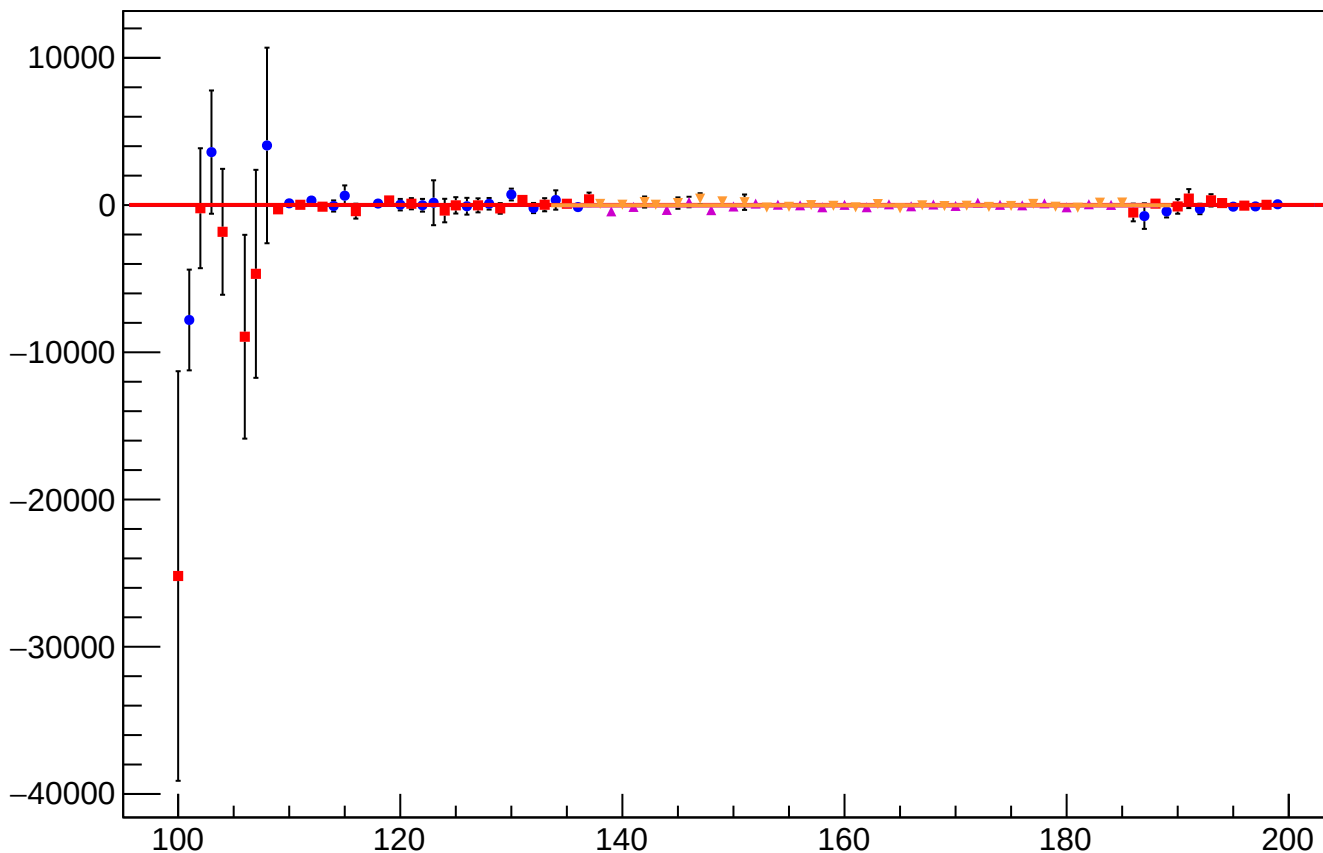
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.411 $\pm$ 0.004 χ^2 /NDF: 3179502.9/47

All: 28.408 $\pm$ 0.003 χ^2 /NDF: 6822975.6/97

- sign 28.405 $\pm$ 0.004 χ^2 /NDF: 3643471.5/49

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 4.166+/-62.583 χ^2/NDF : 17.1/22

Left Out: -15.548+/-48.688 χ^2/NDF : 8.0/24

Right Out: 11.181+/-60.834 χ^2/NDF : 14.6/26

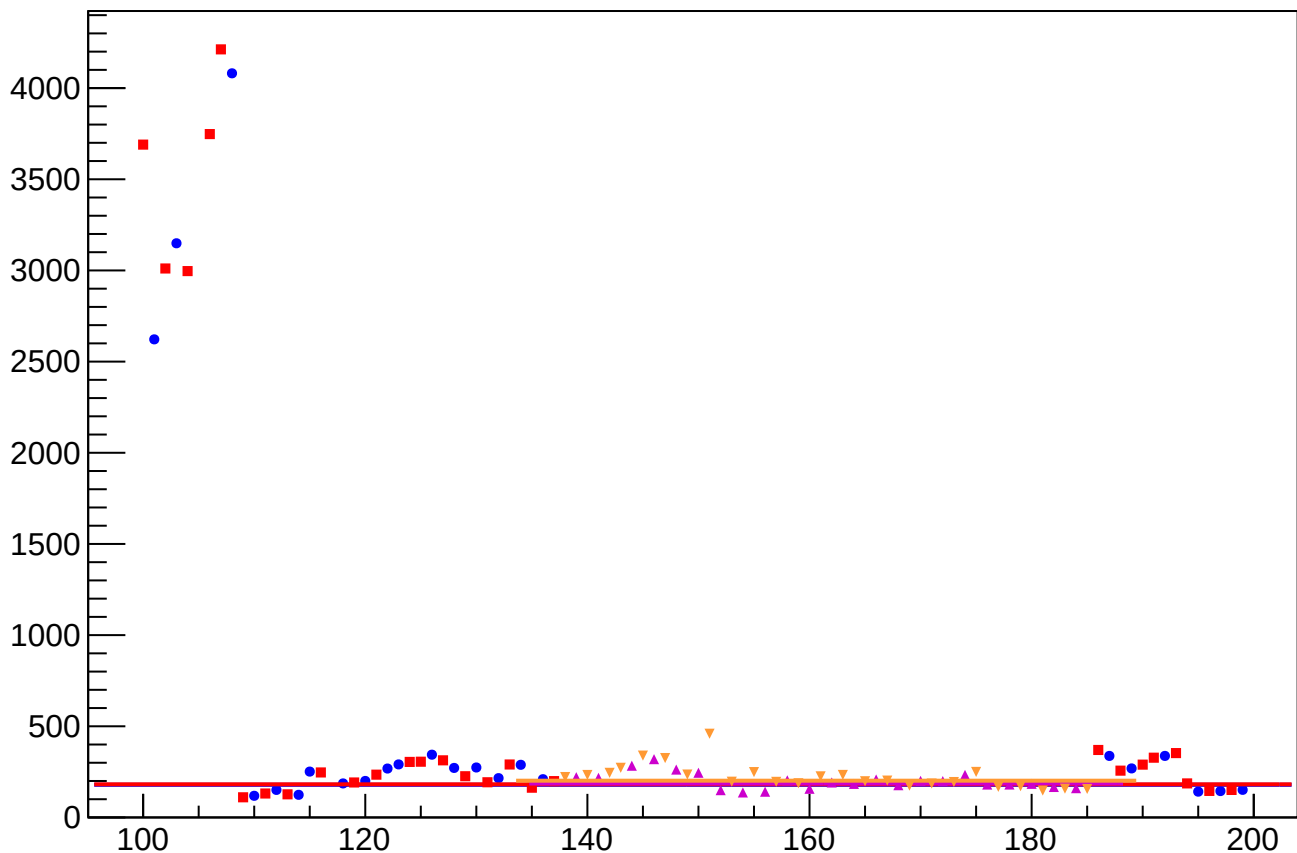
Left In: -31.170+/-46.359 χ^2/NDF : 8.2/22

+ sign -8.115+/-38.428 χ^2/NDF : 25.2/47

All: -12.018+/-26.606 χ^2/NDF : 48.3/97

- sign -15.611+/-36.873 χ^2/NDF : 23.1/49

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 179.015+/-0.044 χ^2/NDF : 4413916.2/22

Left Out: 201.600+/-0.034 χ^2/NDF :1857453.2/24

Right Out: 181.726+/-0.043 χ^2/NDF : 5219444.7/26

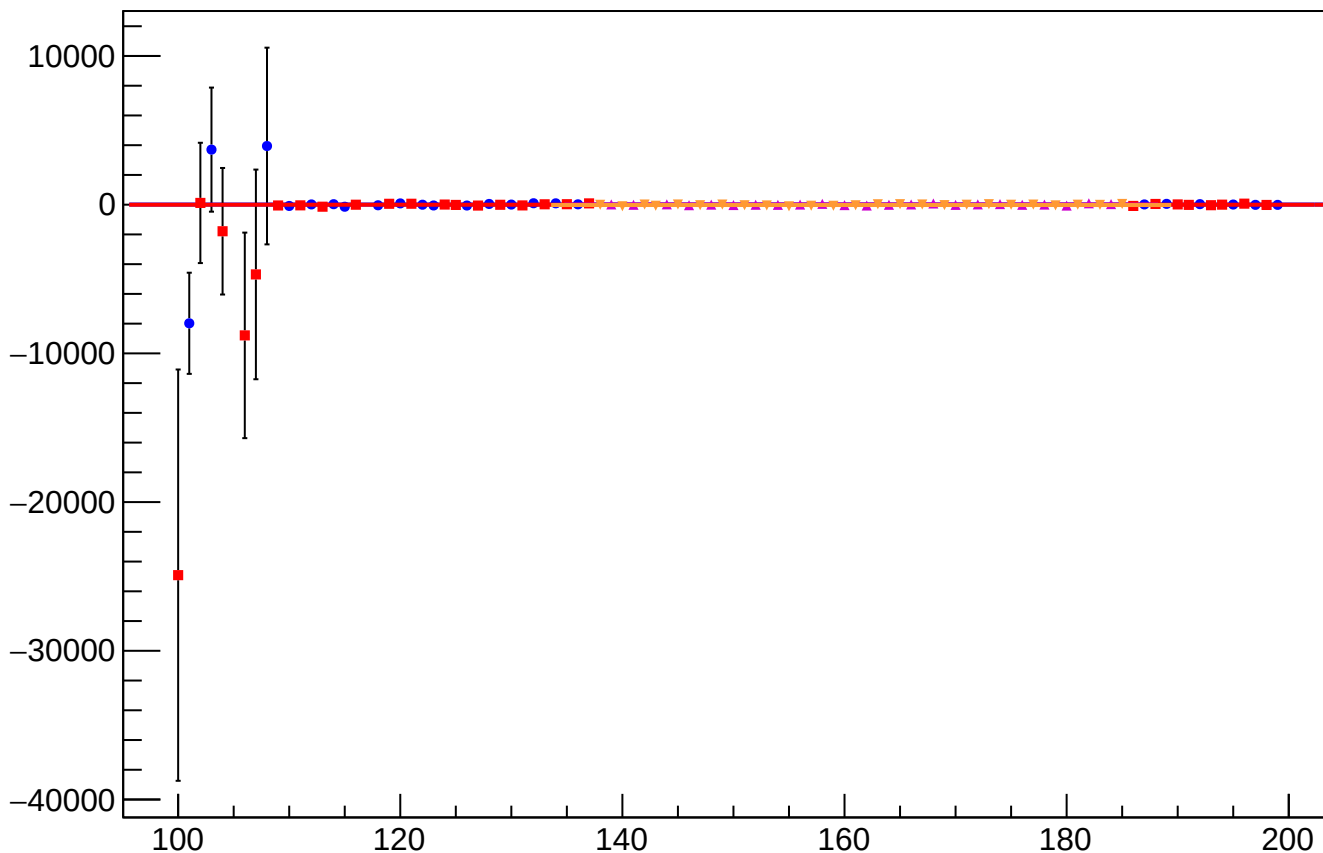
Left In: 186.107+/-0.033 χ^2/NDF :1391327.2/22

+ sign 193.085+/-0.027 χ^2/NDF : 6433629.8/47

All: 188.614+/-0.019 χ^2/NDF : 13102958.8/97

- sign 184.498+/-0.026 χ^2/NDF : 6617333.3/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 9.460 $\pm$ 11.209 χ^2 /NDF: 22.4/22

Left Out: -23.360 $\pm$ 8.064 χ^2 /NDF:25.8/24

Right Out: -2.741 $\pm$ 10.634 χ^2 /NDF: 30.0/26

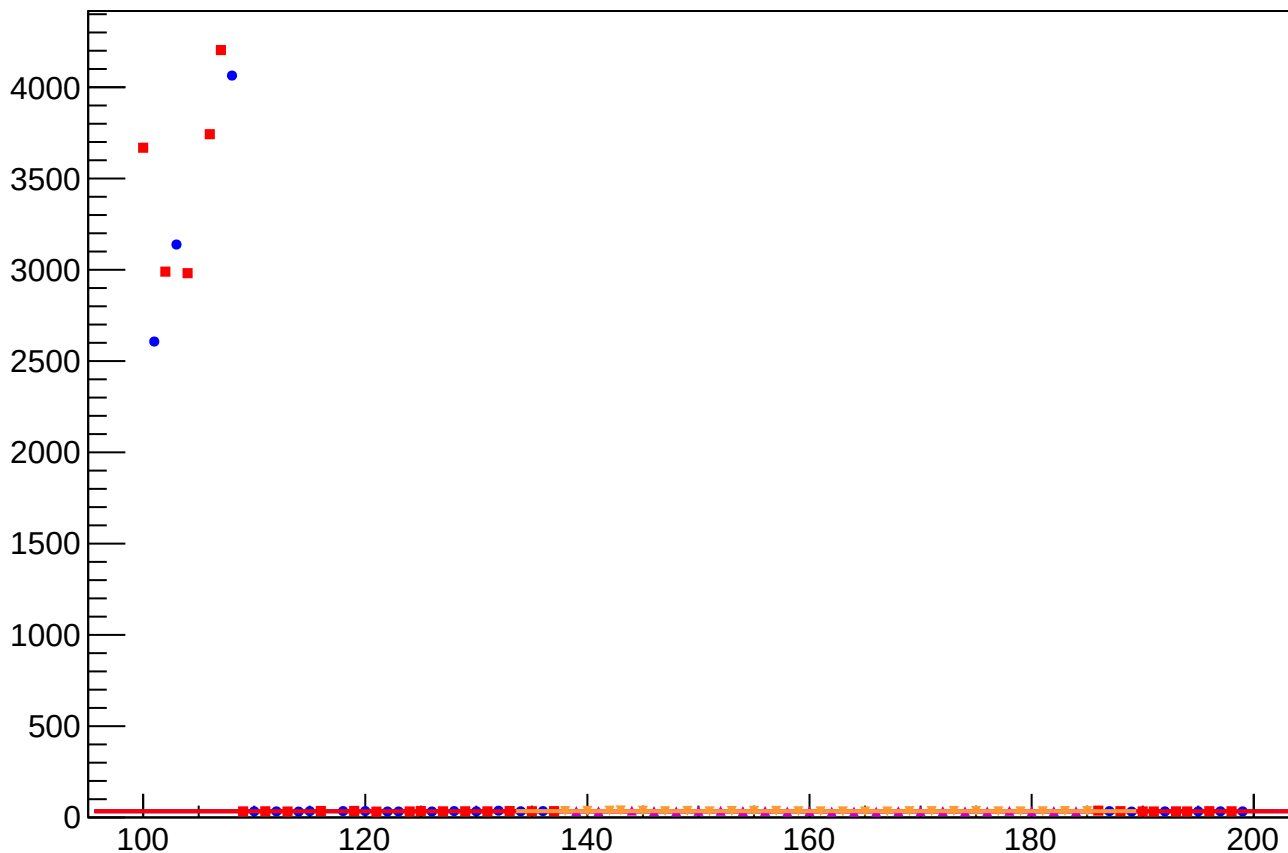
Left In: 6.001 $\pm$ 8.309 χ^2 /NDF:21.1/22

+ sign -12.166 $\pm$ 6.546 χ^2 /NDF: 53.8/47

All: -4.741 $\pm$ 4.629 χ^2 /NDF: 108.0/97

- sign 2.687 $\pm$ 6.547 χ^2 /NDF: 51.6/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.755 $\pm$ 0.008 χ^2 /NDF: 3011653.6/22

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.883 $\pm$ 0.008 χ^2 /NDF: 3462392.9/26

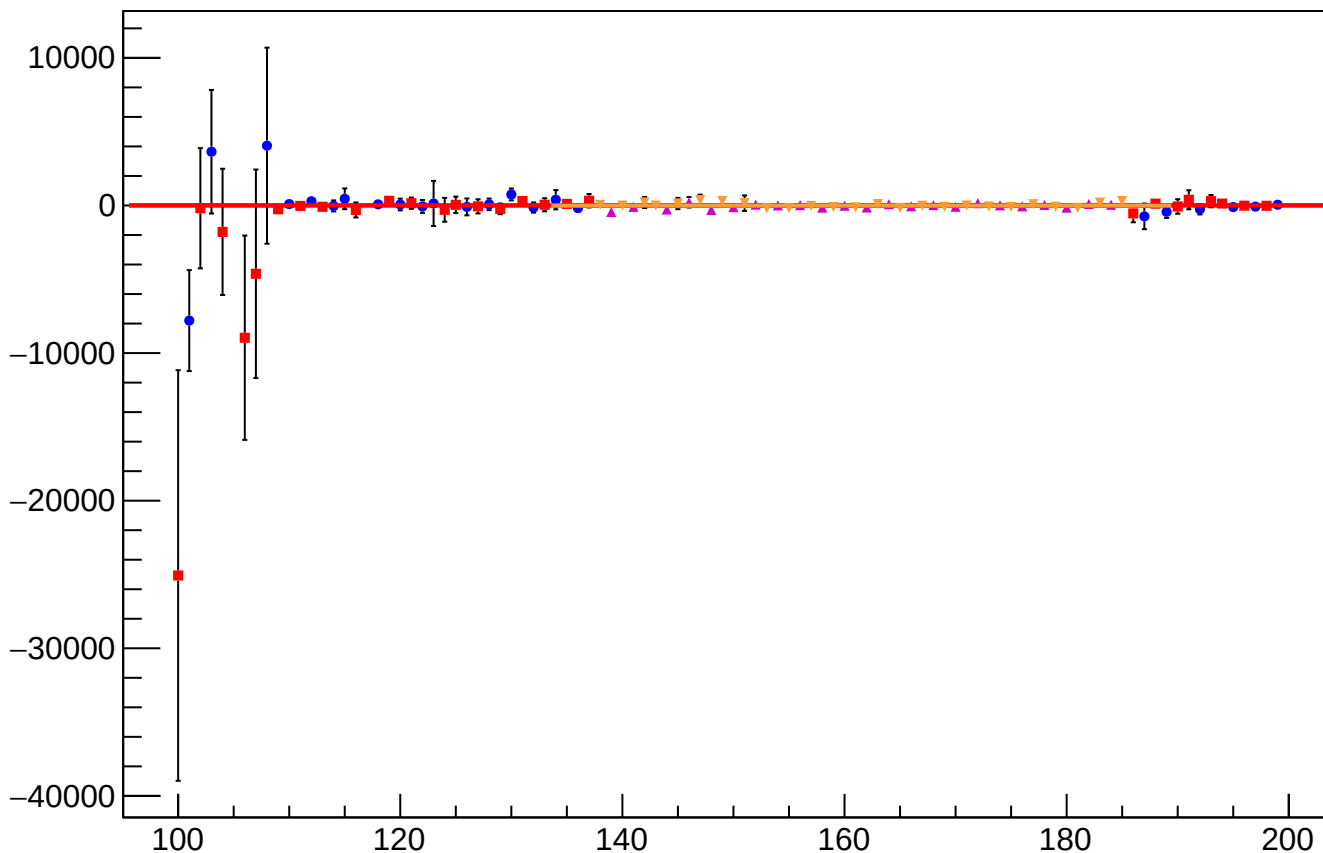
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.321 $\pm$ 0.005 χ^2 /NDF: 3077342.8/47

All: 34.351 $\pm$ 0.003 χ^2 /NDF: 6607204.1/97

- sign 34.381 $\pm$ 0.005 χ^2 /NDF: 3529778.5/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 0.242 $\pm$ 62.378 χ^2 /NDF: 16.6/22

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: 11.395 $\pm$ 60.549 χ^2 /NDF: 13.3/26

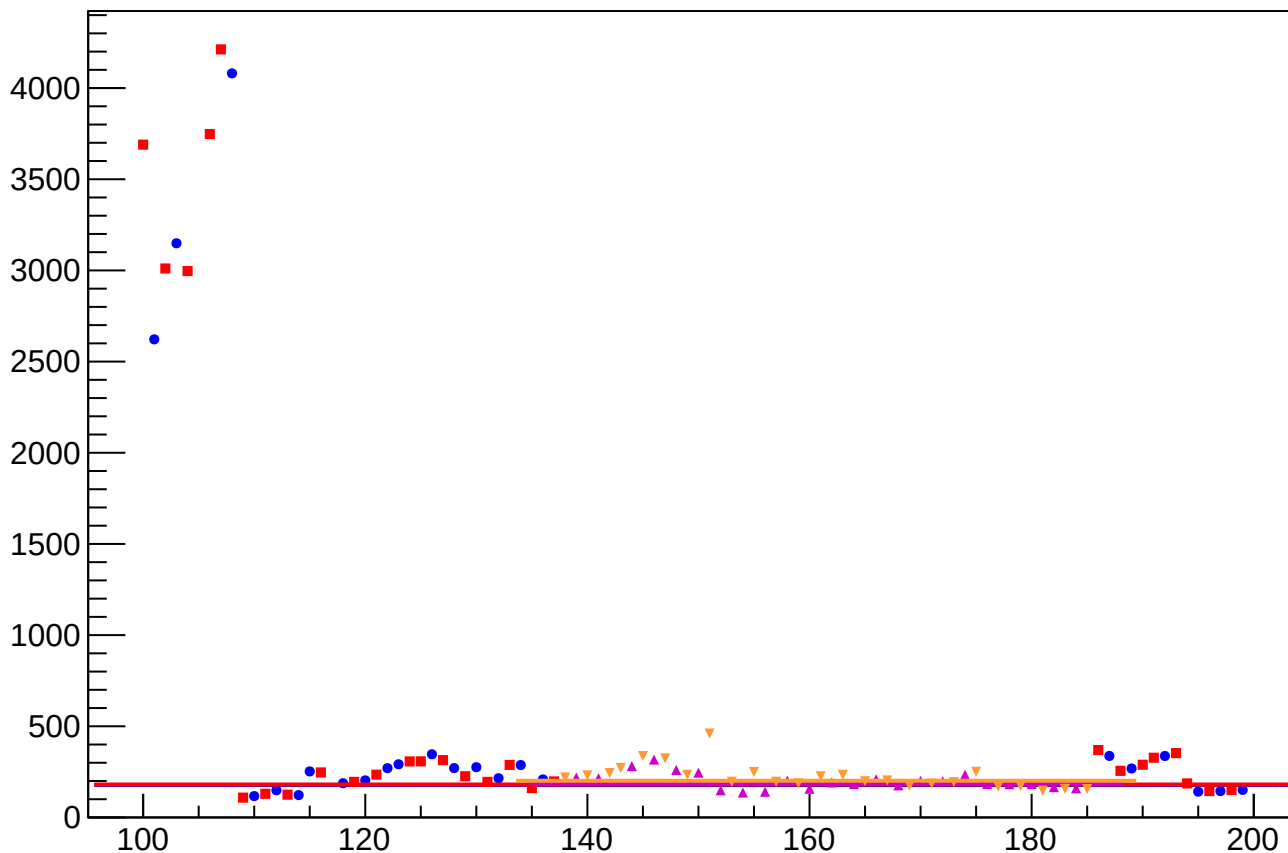
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign -5.456 $\pm$ 38.345 χ^2 /NDF: 25.2/47

All: -11.642 $\pm$ 26.542 χ^2 /NDF: 46.4/97

- sign -17.332 $\pm$ 36.778 χ^2 /NDF: 21.1/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 178.279+/-0.044 χ^2/NDF : 4444626.4/22

Left Out: 201.296+/-0.034 χ^2/NDF :1851134.1/24

Right Out: 180.596+/-0.043 χ^2/NDF : 5272861.7/26

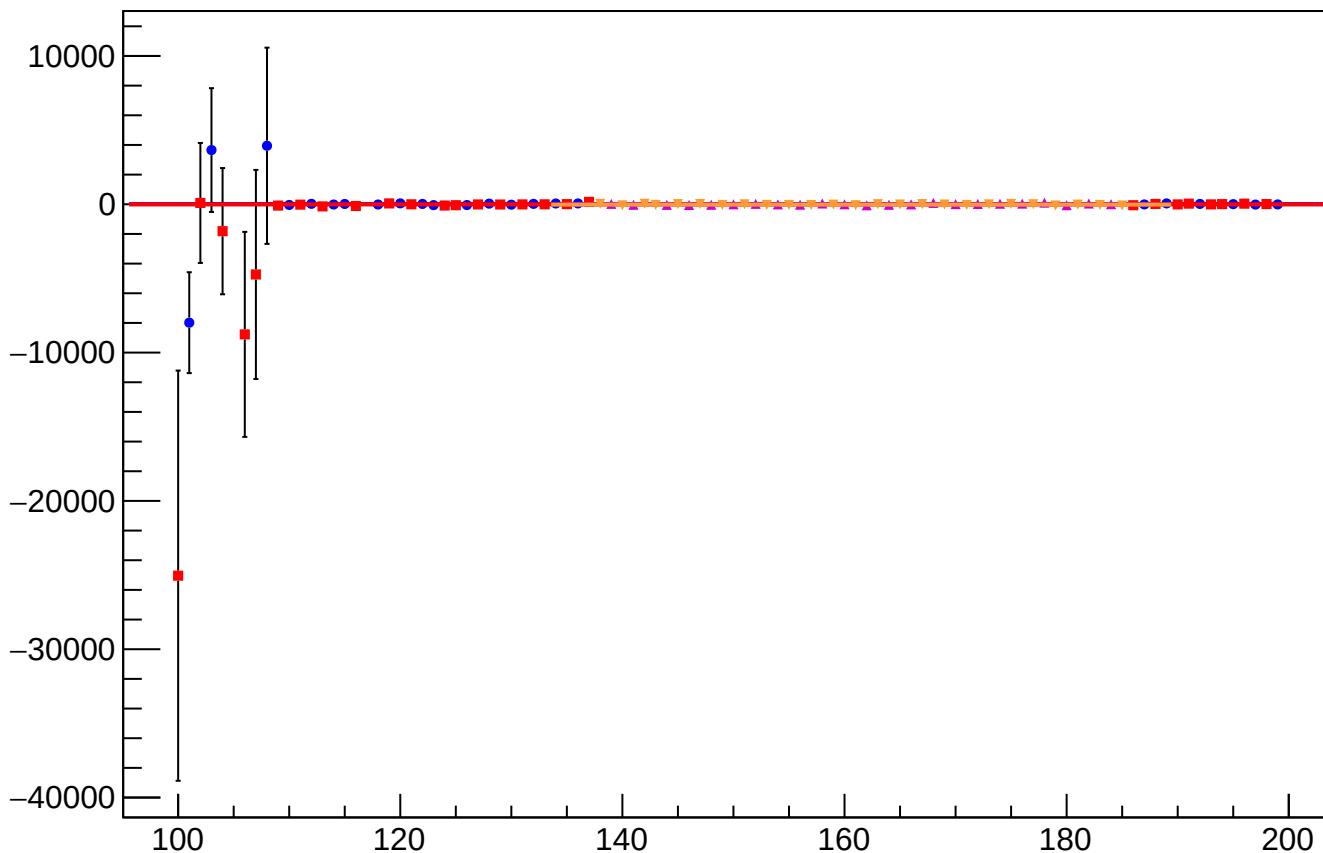
Left In: 185.854+/-0.033 χ^2/NDF :1381771.9/22

+ sign 192.599+/-0.027 χ^2/NDF : 6465174.3/47

All: 188.075+/-0.019 χ^2/NDF : 13182756.7/97

- sign 183.914+/-0.026 χ^2/NDF : 6664149.1/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 10.312+/-10.172 χ^2/NDF : 17.1/22

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -5.237+/-9.654 χ^2/NDF : 34.2/26

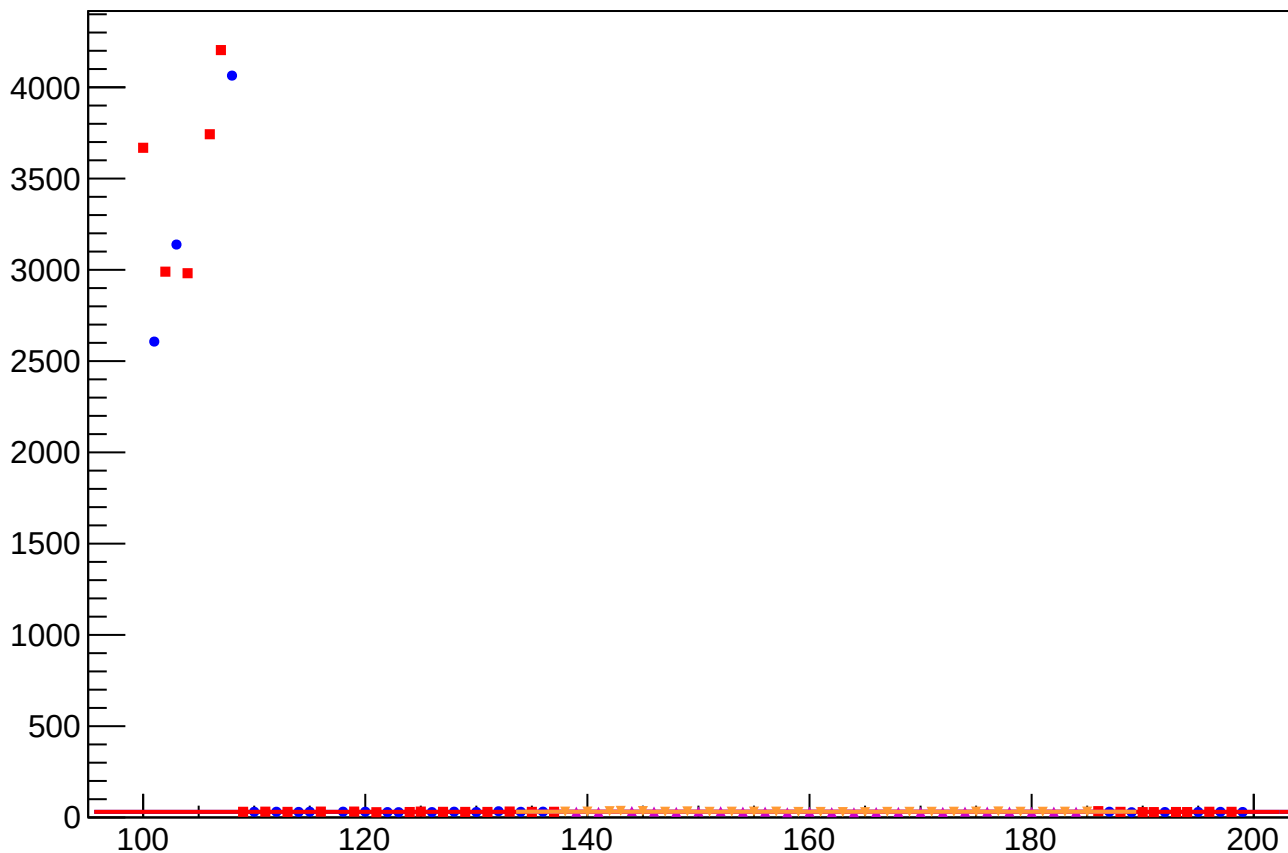
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -11.514+/-5.952 χ^2/NDF : 42.9/47

All: -4.901+/-4.207 χ^2/NDF : 118.7/97

- sign 1.700+/-5.947 χ^2/NDF : 73.4/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.623+/-0.007 χ^2/NDF : 3024880.3/22

Left Out: 31.482+/-0.005 χ^2/NDF : 82437.2/24

Right Out: 30.731+/-0.007 χ^2/NDF : 3475769.8/26

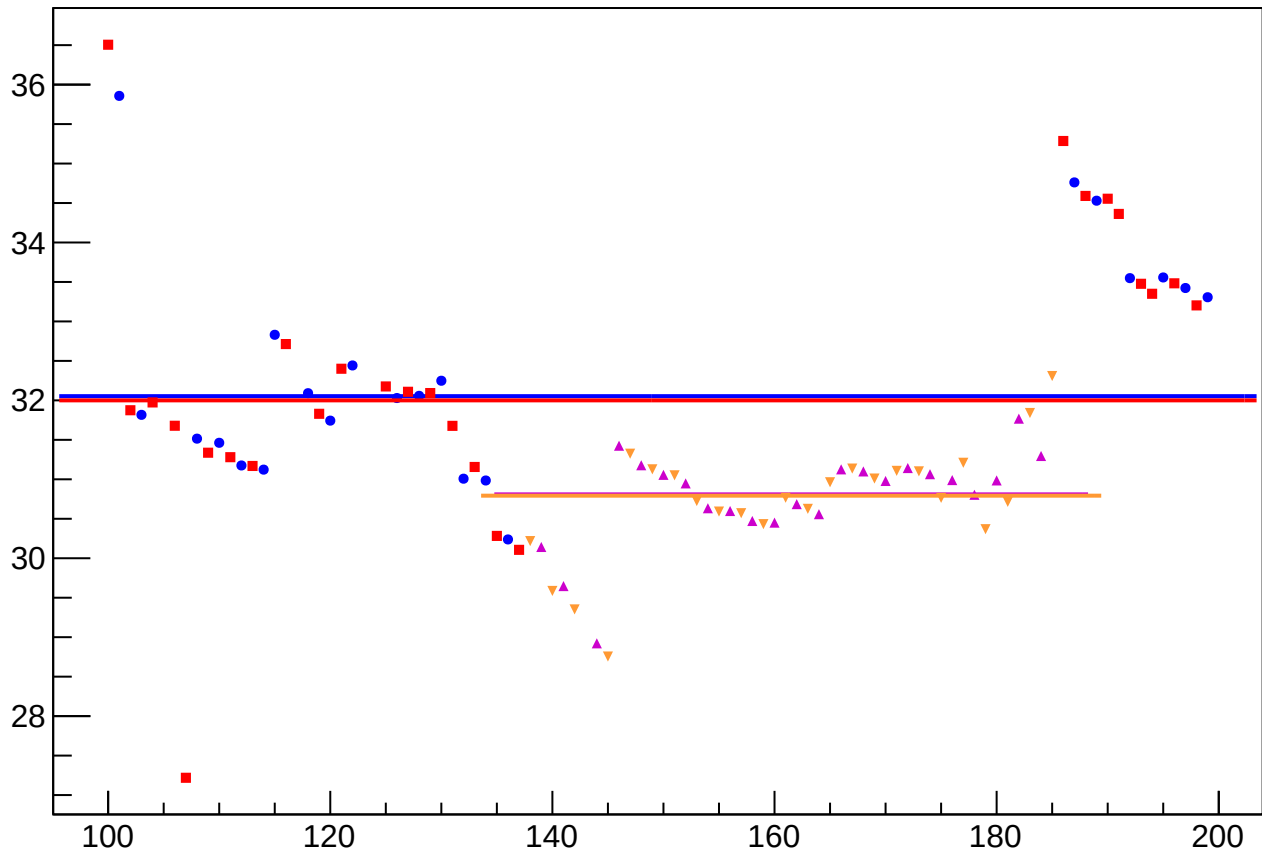
Left In: 31.484+/-0.005 χ^2/NDF : 87981.1/22

+ sign 31.188+/-0.004 χ^2/NDF : 3116679.9/47

All: 31.193+/-0.003 χ^2/NDF : 6687995.8/97

- sign 31.198+/-0.004 χ^2/NDF : 3571312.8/49

yield_usl_mean vs Slug



Right In: 32.053+/-0.000 χ^2/NDF : 2095661088.6/21

Left Out: 30.793+/-0.000 χ^2/NDF : 1007261340.7/23

Right Out: 32.000+/-0.000 χ^2/NDF : 1936631376.6/25

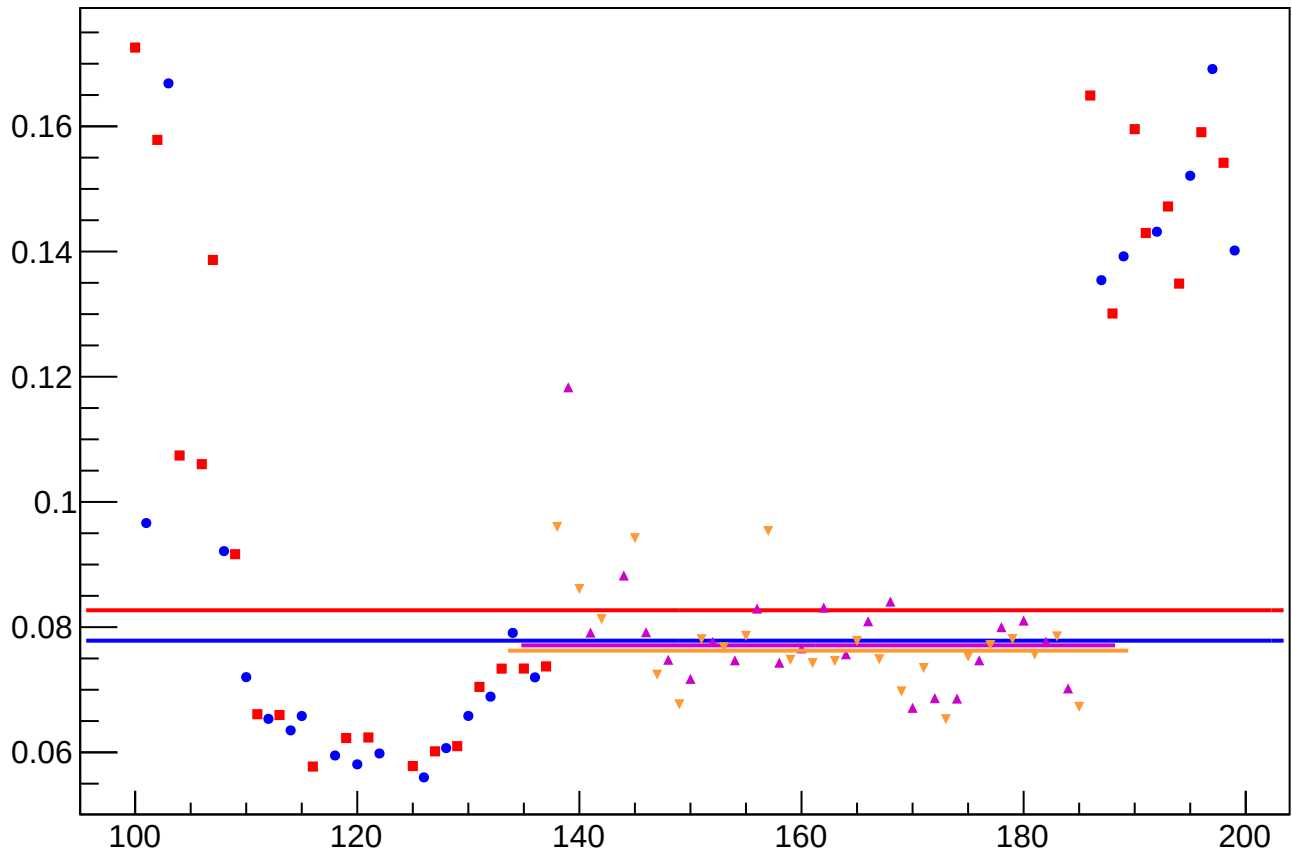
Left In: 30.809+/-0.000 χ^2/NDF : 821961762.3/22

+ sign 31.221+/-0.000 χ^2/NDF : 4593023629.2/45

All: 31.222+/-0.000 χ^2/NDF : 8664658205.1/9

- sign 31.223+/-0.000 χ^2/NDF : 4071627922.1/48

yield_usl_rms vs Slug



Right In: 0.078+/-0.000 χ^2/NDF : 2596056.9/21

Left Out: 0.076+/-0.000 χ^2/NDF : 277876.5/23

Right Out: 0.083+/-0.000 χ^2/NDF : 3059283.8/25

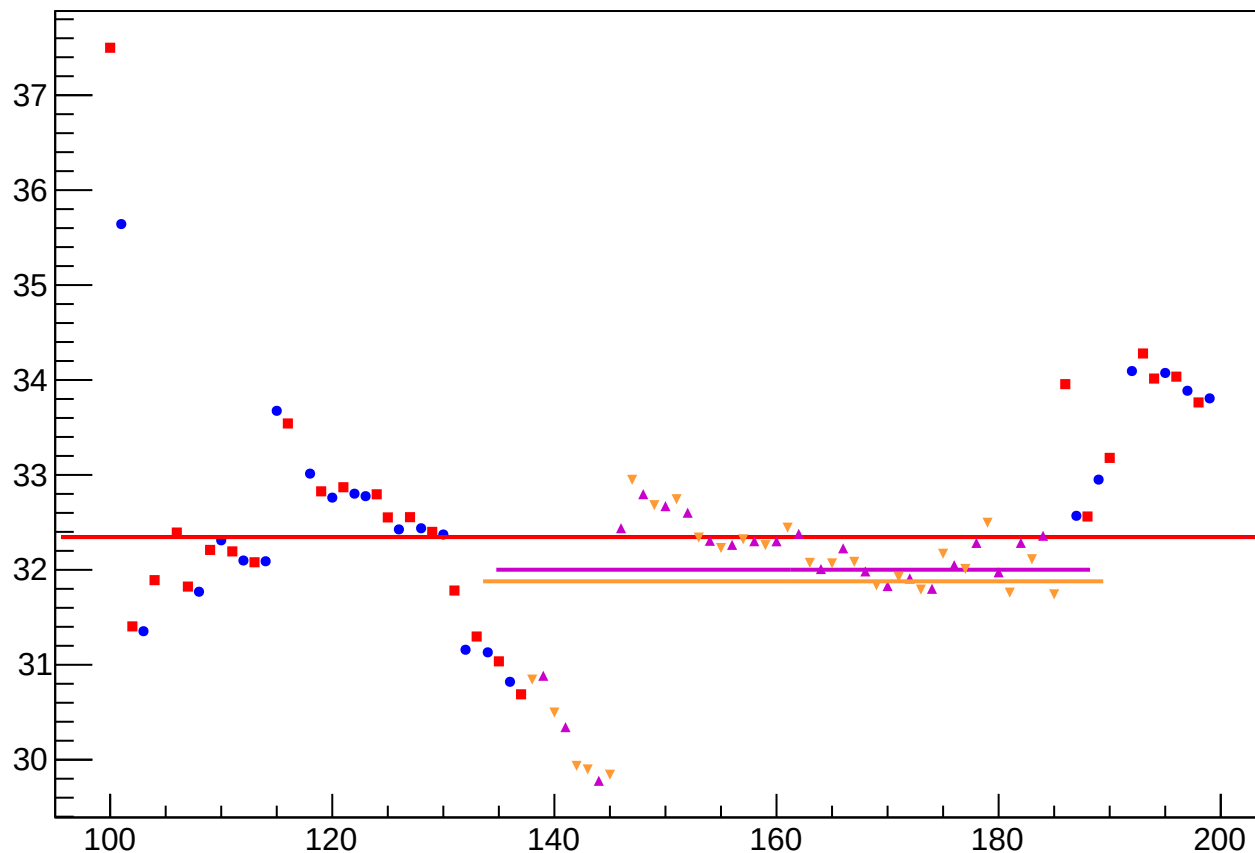
Left In: 0.077+/-0.000 χ^2/NDF : 325844.3/22

+ sign 0.077+/-0.000 χ^2/NDF : 2878685.3/45

All: 0.078+/-0.000 χ^2/NDF : 6342896.1/94

- sign 0.079+/-0.000 χ^2/NDF : 3443330.4/48

yield_usr_mean vs Slug



Right In: 32.346+/-0.000 χ^2 /NDF: 1203149053.6/22

Left Out: 31.879+/-0.000 χ^2 /NDF: 1976281391.1/24

Right Out: 32.345+/-0.000 χ^2 /NDF: 705013116.3/25

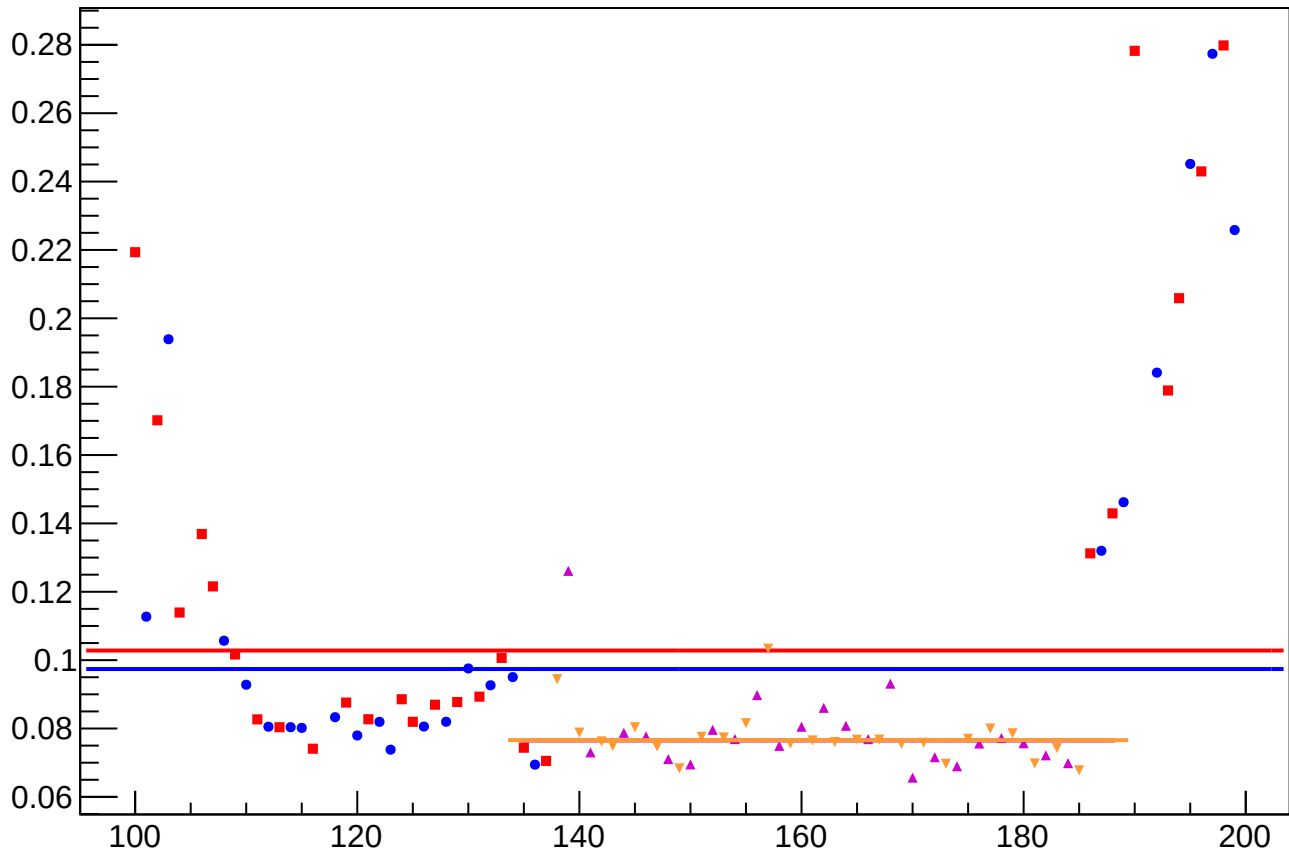
Left In: 32.001+/-0.000 χ^2 /NDF: 1411110671.9/22

+ sign 31.988+/-0.000 χ^2 /NDF: 3325765604.7/47

All: 32.036+/-0.000 χ^2 /NDF: 5539102419.9/9

- sign 32.086+/-0.000 χ^2 /NDF: 2195737518.1/48

yield_usr_rms vs Slug



Right In: 0.097 $\pm$ 0.000 χ^2 /NDF: 2971882.1/22

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.103 $\pm$ 0.000 χ^2 /NDF: 3022037.7/25

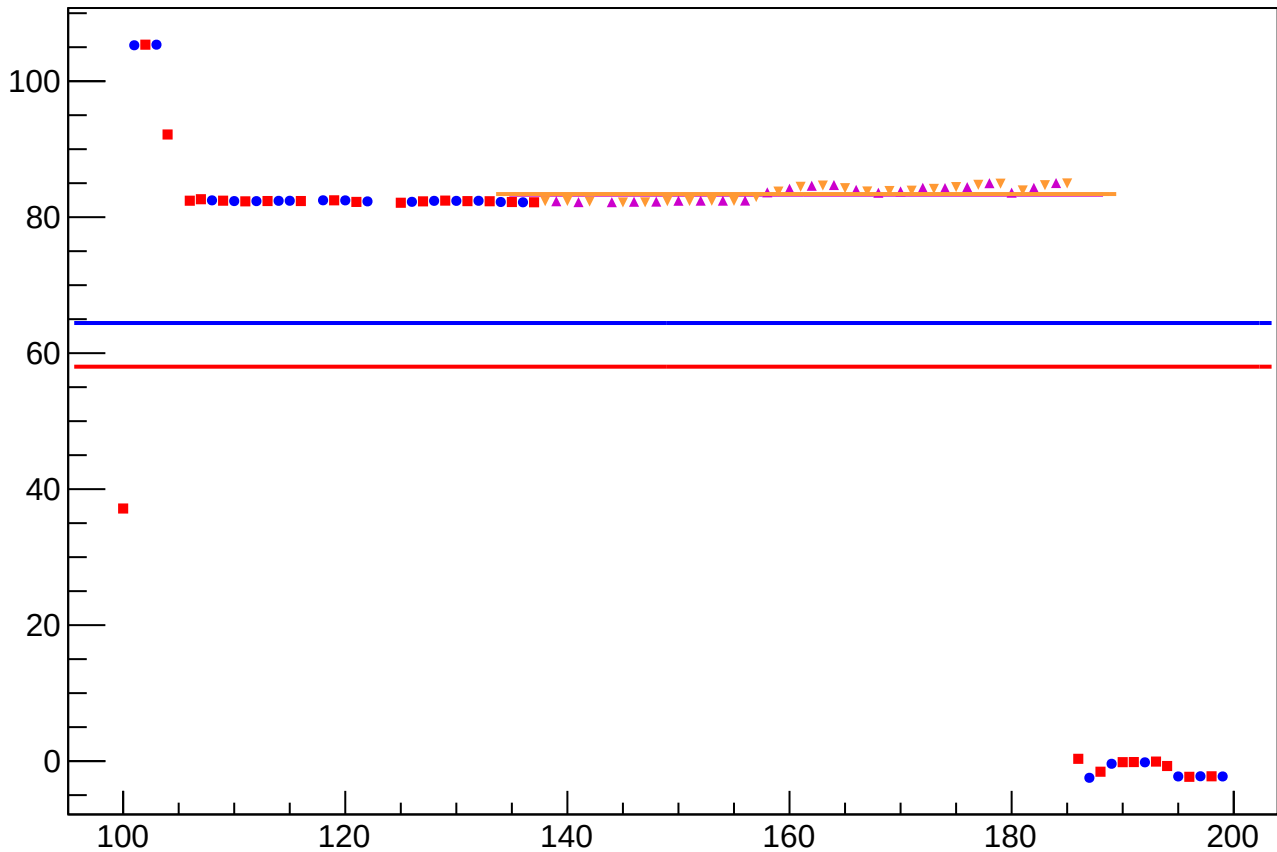
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.081 $\pm$ 0.000 χ^2 /NDF: 3762653.4/47

All: 0.082 $\pm$ 0.000 χ^2 /NDF: 8159337.0/96

- sign 0.083 $\pm$ 0.000 χ^2 /NDF: 4388237.1/48

yield_dsl_mean vs Slug



Right In: 64.435 $\pm$ 0.000 χ^2 /NDF: 7570838403263.8/21

Left Out: 83.402 $\pm$ 0.000 χ^2 /NDF: 8756634444.3/23

Right Out: 58.013 $\pm$ 0.000 χ^2 /NDF: 9167818205039.6/25

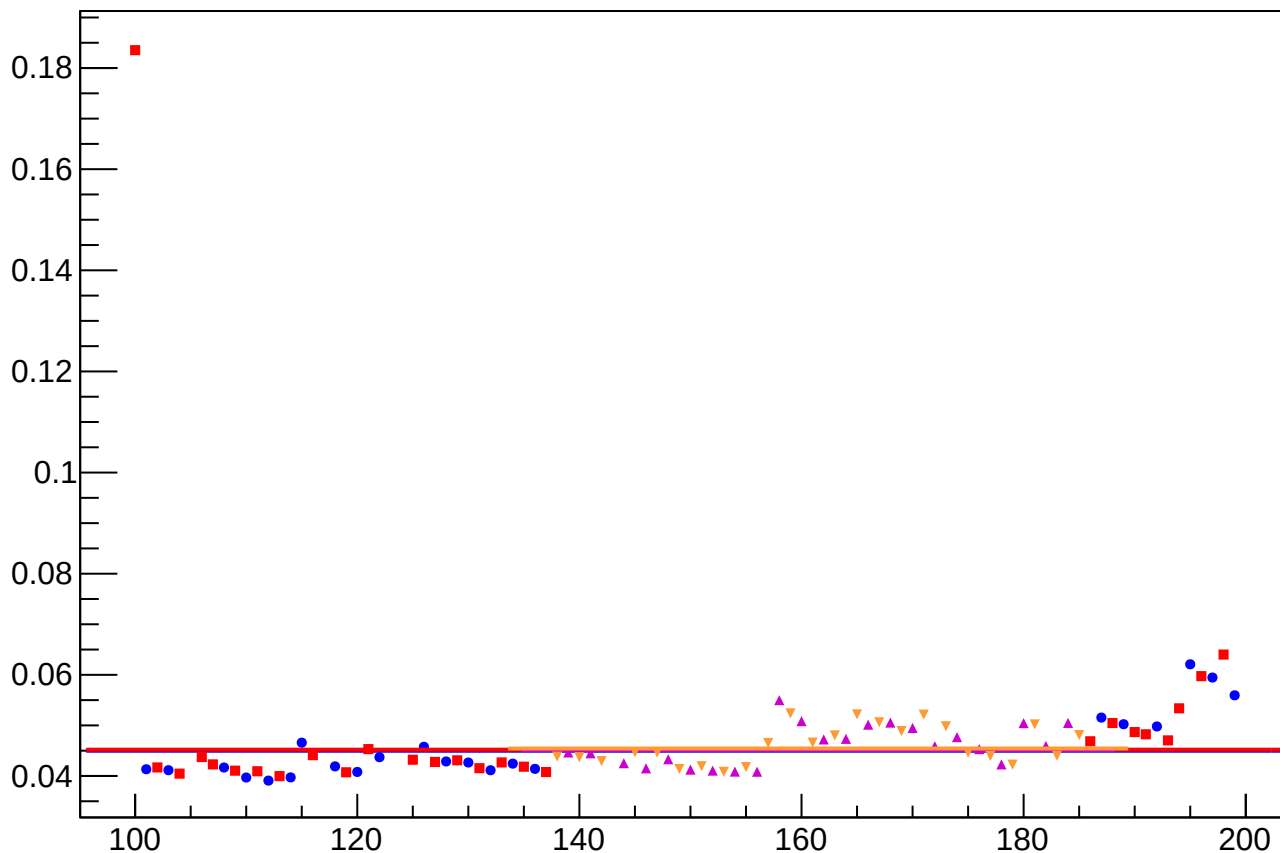
Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22

+ sign 76.250 $\pm$ 0.000 χ^2 /NDF: 8703752549959.8/4

All: 74.613 $\pm$ 0.000 χ^2 /NDF: 2010700791921

- sign 73.056 $\pm$ 0.000 χ^2 /NDF: 11333720934654.4/4

yield_dsl_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 400415.0/21

Left Out: 0.045+/-0.000 χ^2/NDF : 206685.9/23

Right Out: 0.045+/-0.000 χ^2/NDF : 466490.8/25

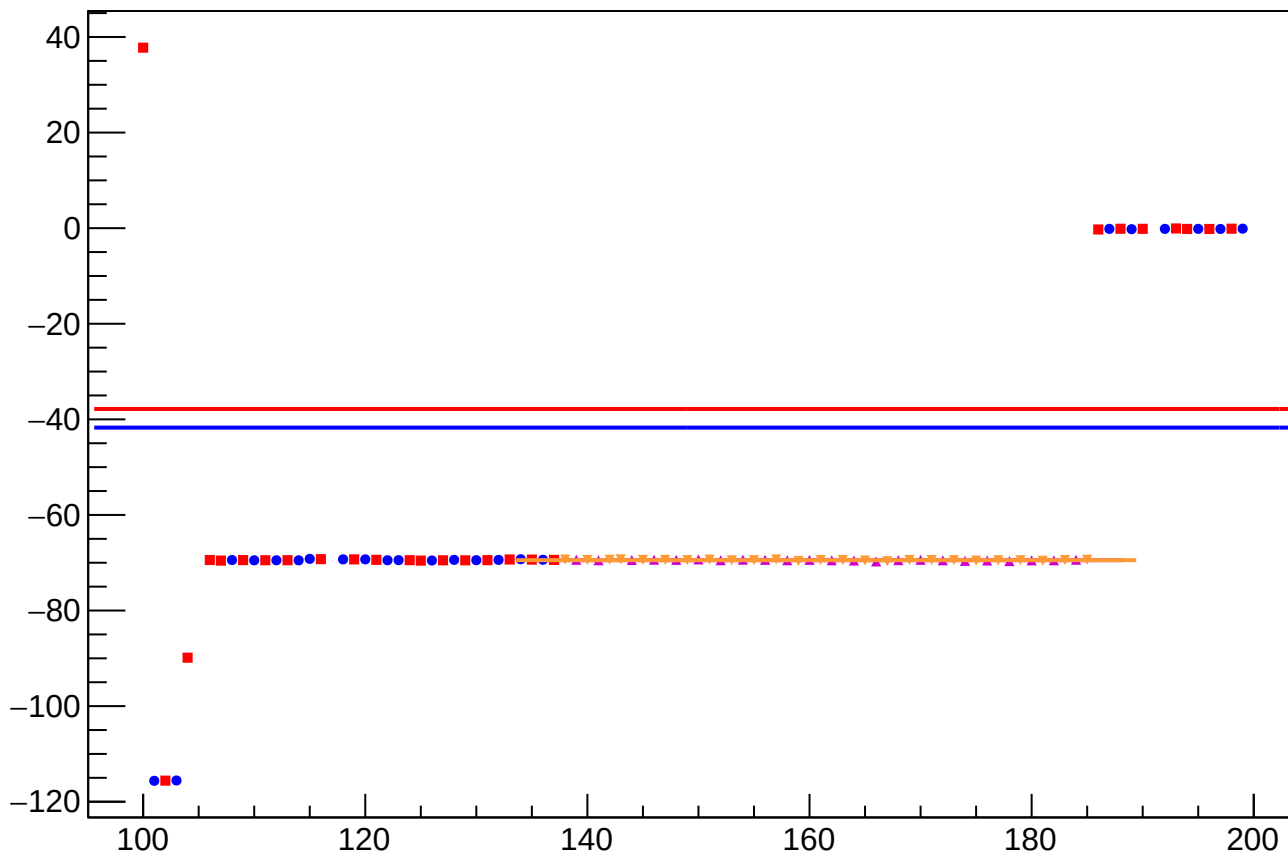
Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

+ sign 0.045+/-0.000 χ^2/NDF : 608296.0/45

All: 0.045+/-0.000 χ^2/NDF : 1317830.6/94

- sign 0.045+/-0.000 χ^2/NDF : 709396.1/48

yield_dsr_mean vs Slug



Right In: -41.727 $\pm$ 0.000 χ^2 /NDF: 5759955317293.6/22

Left Out: -69.461 $\pm$ 0.000 χ^2 /NDF: 49572401.9/24

Right Out: -37.824 $\pm$ 0.000 χ^2 /NDF: 5948035510831.5/25

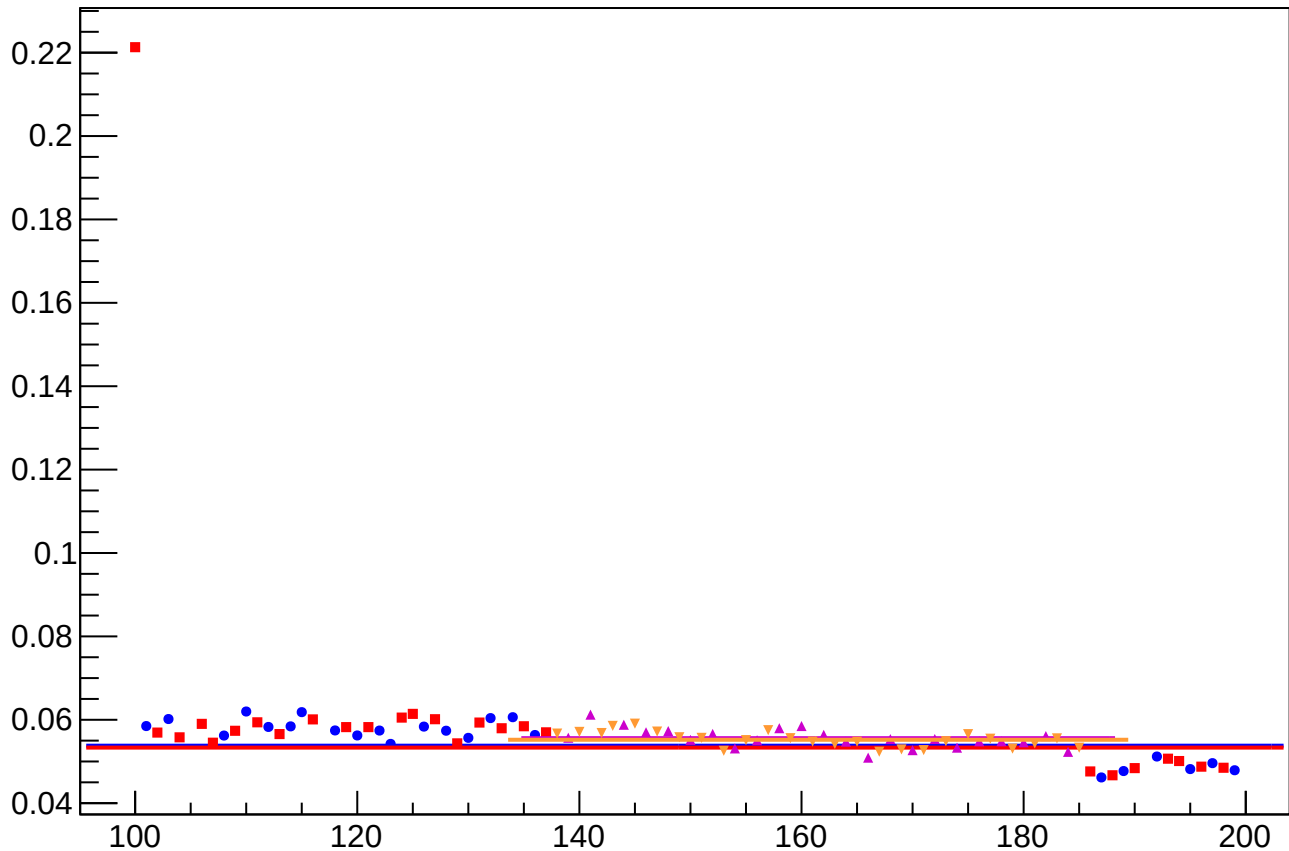
Left In: -69.458 $\pm$ 0.000 χ^2 /NDF: 52798704.3/22

+ sign -58.999 $\pm$ 0.000 χ^2 /NDF: 7451812292522.0/22

All: -57.496 $\pm$ 0.000 χ^2 /NDF: 157599582496.0/22

- sign -56.013 $\pm$ 0.000 χ^2 /NDF: 8266155629737.4/22

yield_dsr_rms vs Slug



Right In: 0.054+/-0.000 χ^2/NDF : 164262.8/22

Left Out: 0.055+/-0.000 χ^2/NDF :38761.8/24

Right Out: 0.053+/-0.000 χ^2/NDF : 265668.4/25

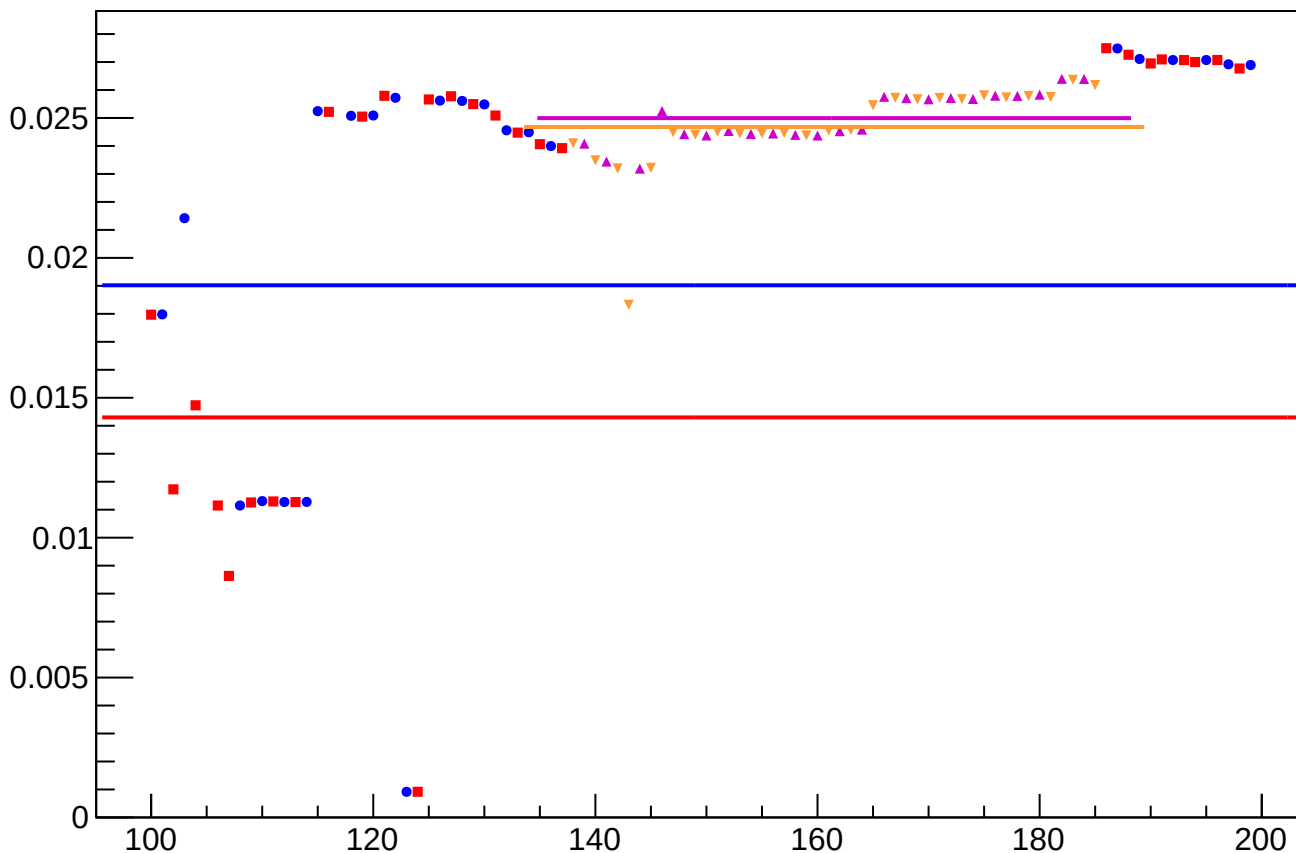
Left In: 0.056+/-0.000 χ^2/NDF :52190.5/22

+ sign 0.055+/-0.000 χ^2/NDF : 211897.4/47

All: 0.055+/-0.000 χ^2/NDF : 553516.7/96

- sign 0.055+/-0.000 χ^2/NDF : 341602.6/48

yield_atl1_mean vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 161900350745.4/22

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 346724237485.9/26

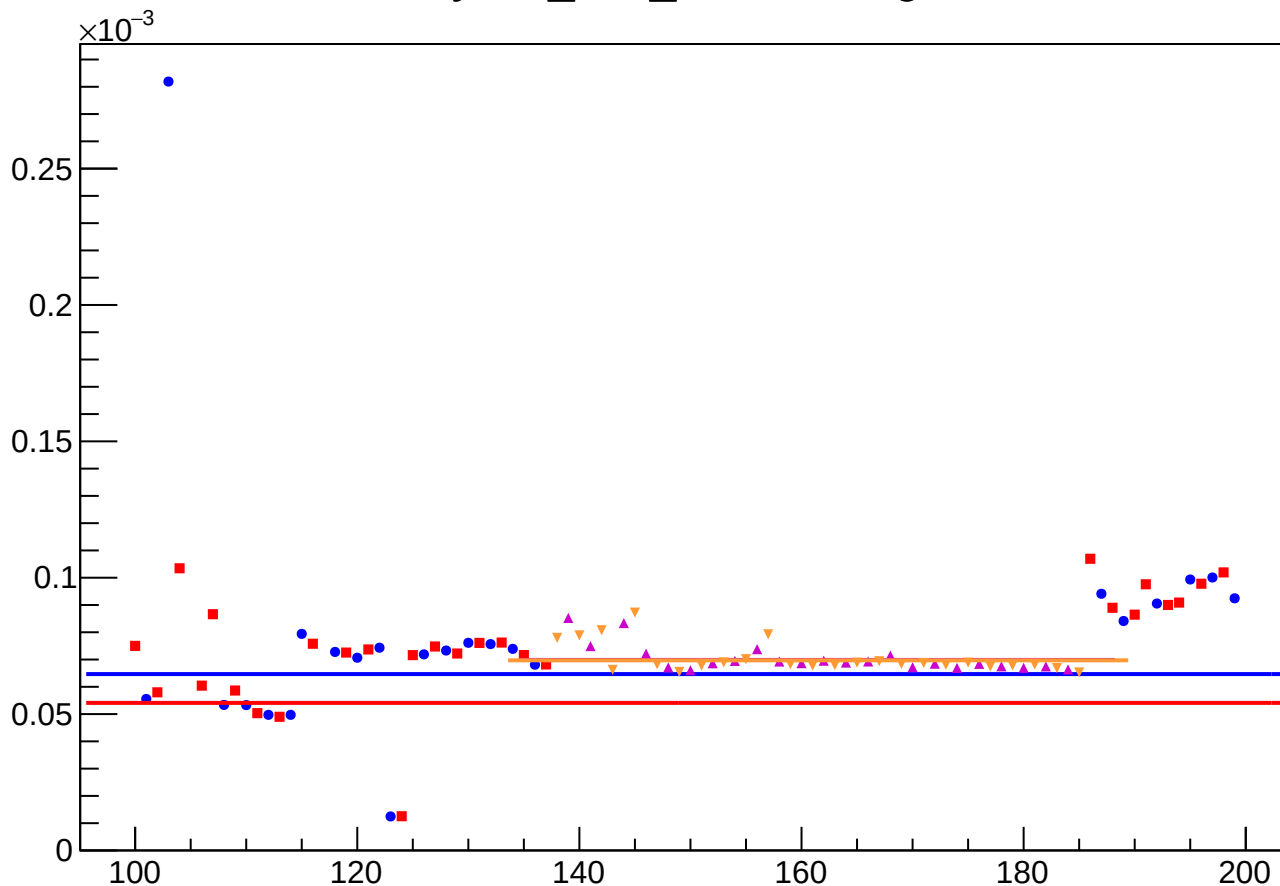
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 214762155369.9/47

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 767157004189.6

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 533045504215.3/49

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2951466.1/22

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5810962.7/26

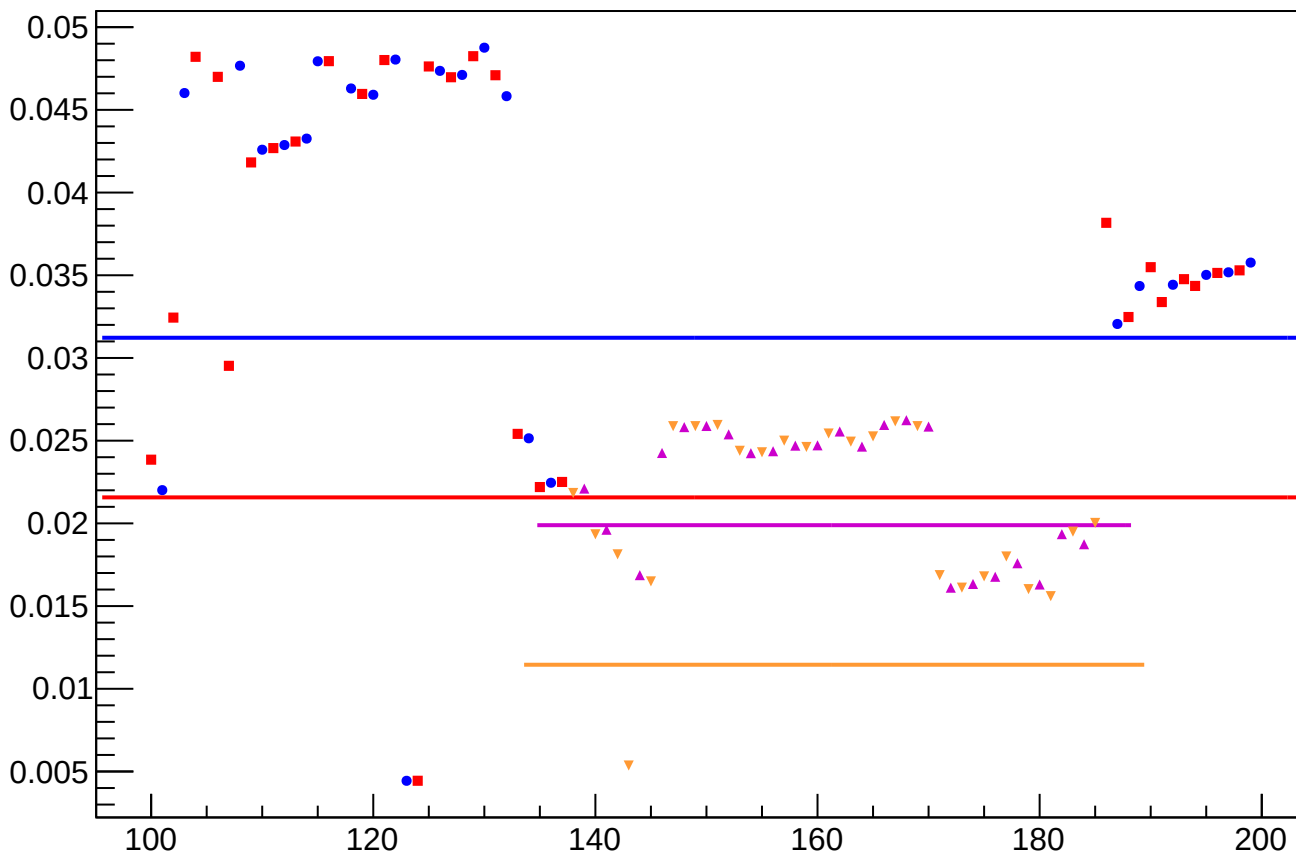
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 3178359.6/47

All: 0.000+/-0.000 χ^2/NDF : 10082345.1/97

- sign 0.000+/-0.000 χ^2/NDF : 6737209.9/49

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21232003145.4/22

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.022+/-0.000 χ^2/NDF : 42480381897.9/26

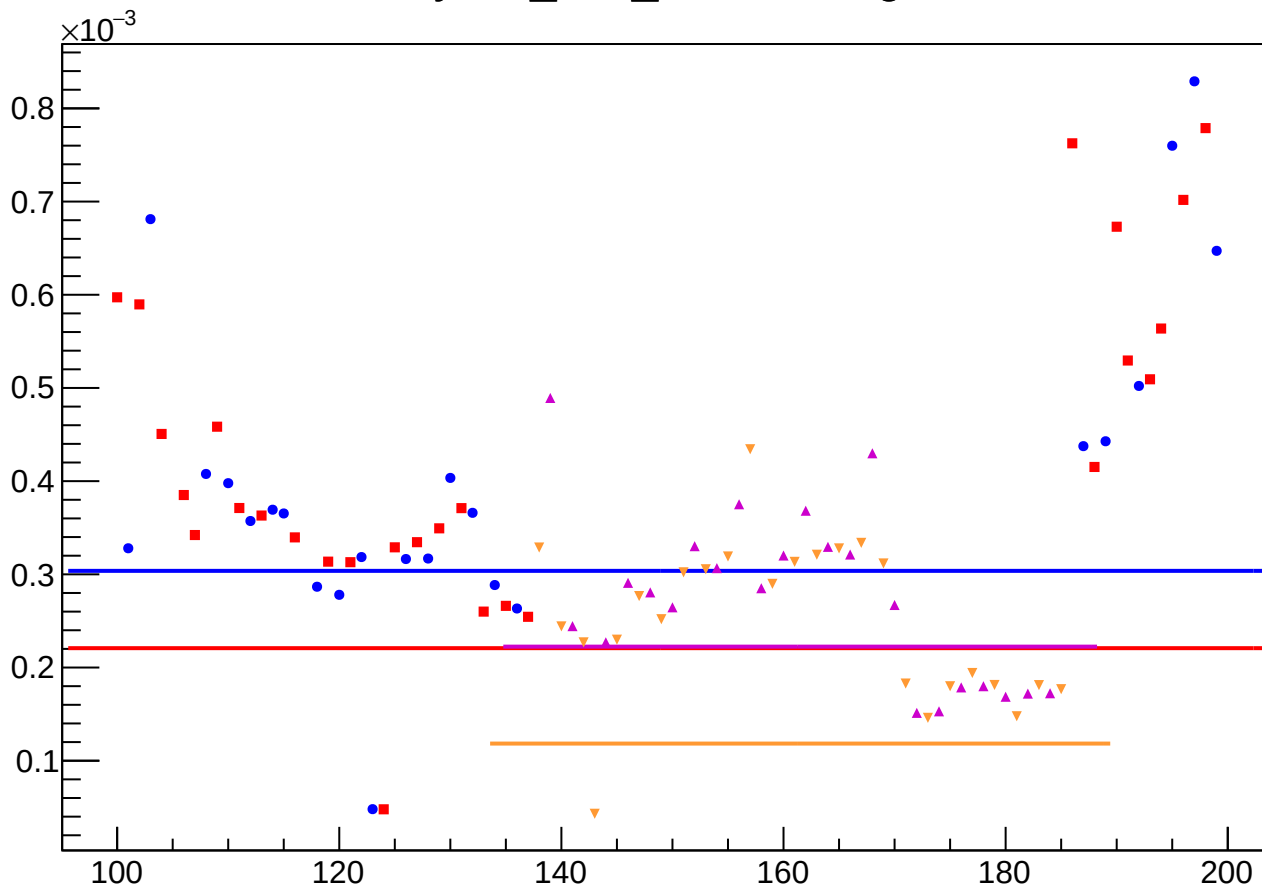
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 90038242889.5/47

All: 0.016+/-0.000 χ^2/NDF : 150594953665.4

- sign 0.020+/-0.000 χ^2/NDF : 47196257786.0/49

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4583431.9/22

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13563132.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9476586.0/26

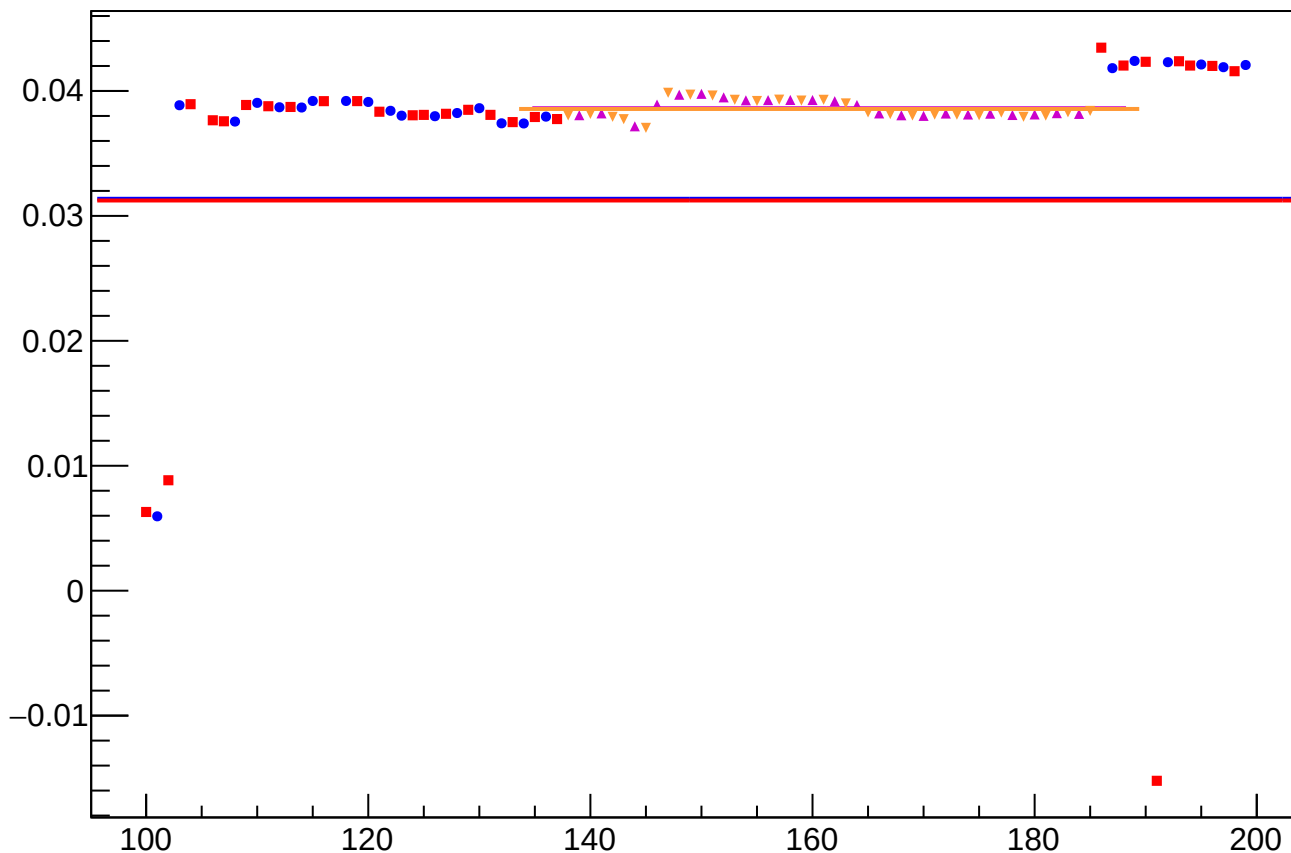
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3281119.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23158594.8/47

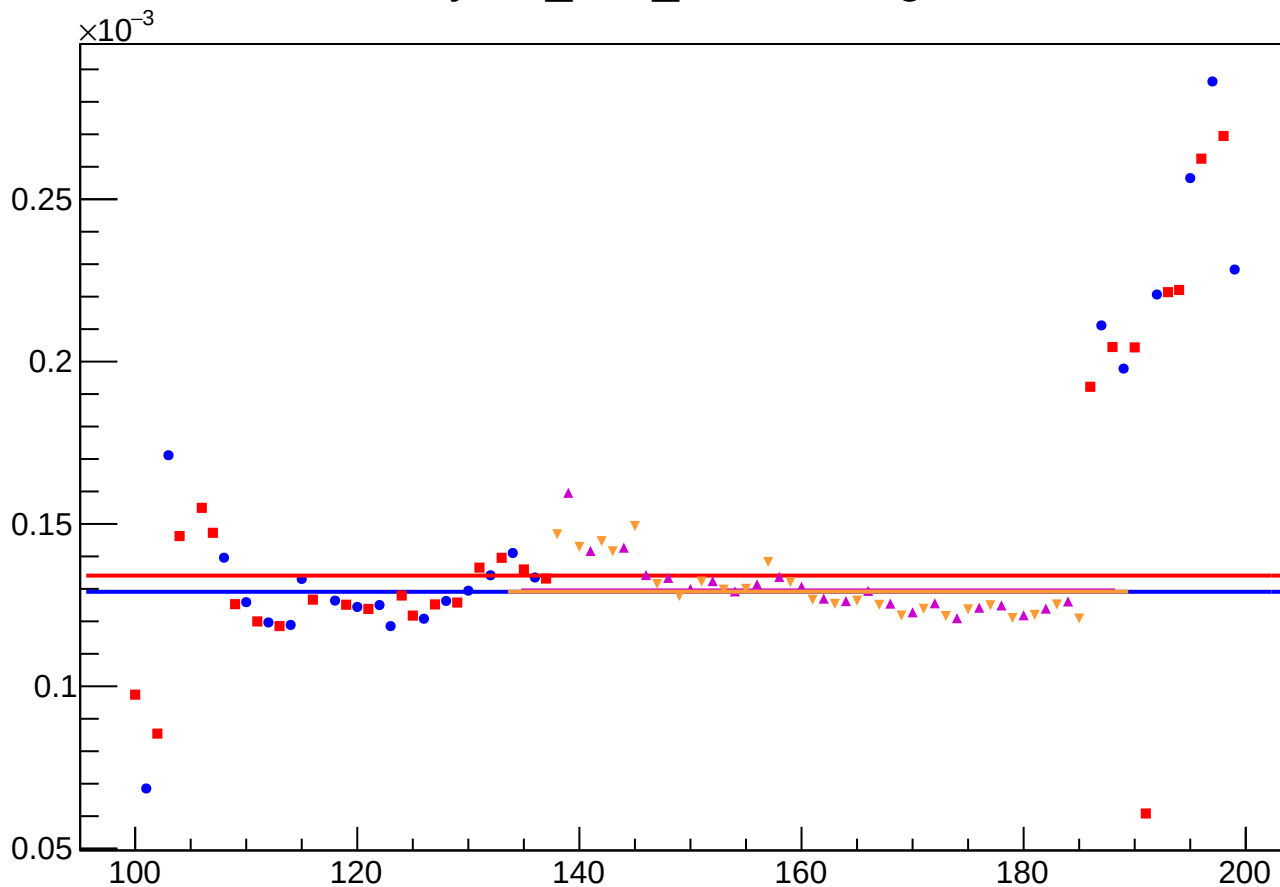
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39883651.2/97

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12758202.5/49

yield_atr1_mean vs Slug



yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2595449.9/22

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2478950.9/26

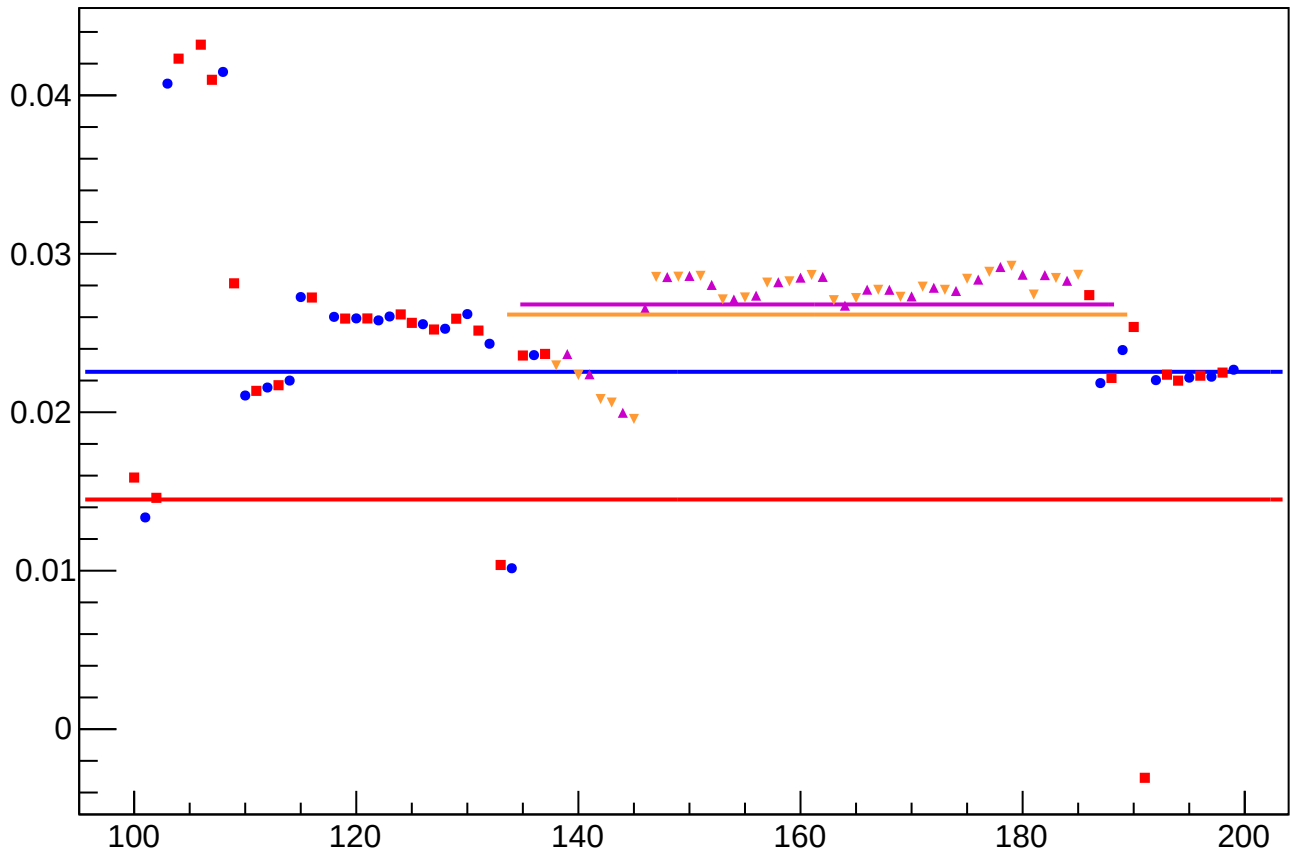
Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 2725772.8/47

All: 0.000+/-0.000 χ^2/NDF : 5341513.4/97

- sign 0.000+/-0.000 χ^2/NDF : 2609034.9/49

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4244177566.4/22

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.014+/-0.000 χ^2/NDF : 30723488033.3/26

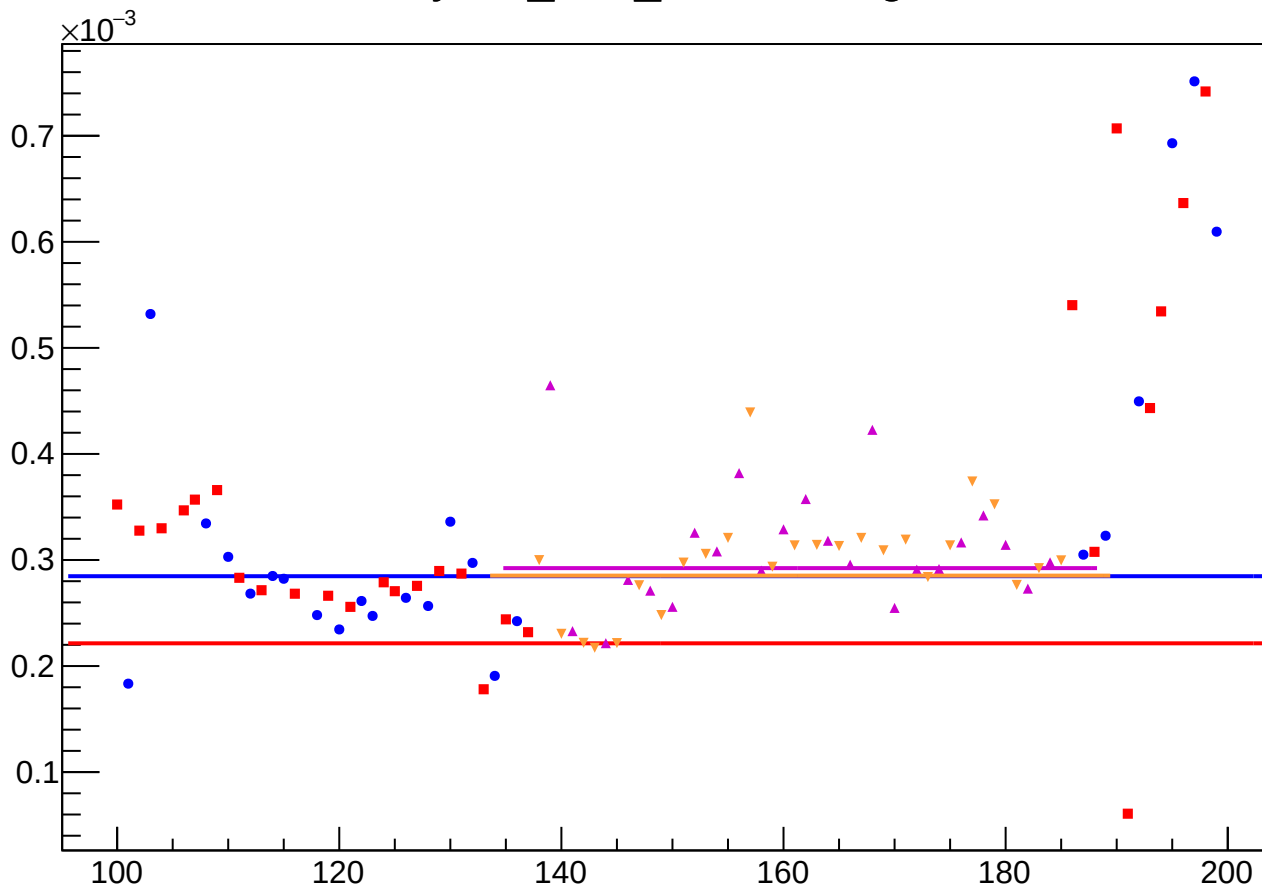
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7196867589.7/47

All: 0.023+/-0.000 χ^2/NDF : 54525862476.0/9

- sign 0.021+/-0.000 χ^2/NDF : 44977713846.6/49

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2598012.5/22

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6568224.6/26

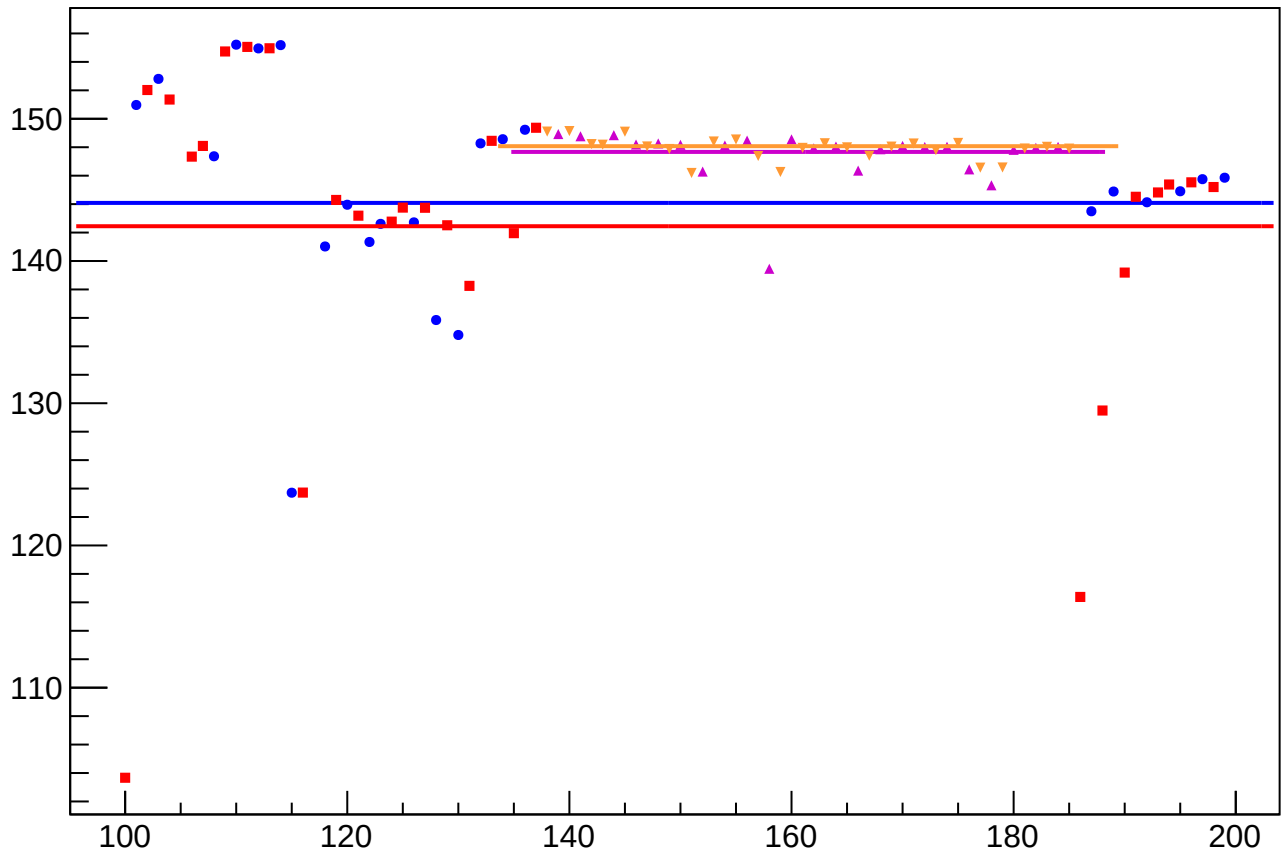
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3411518.6/47

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11946195.7/97

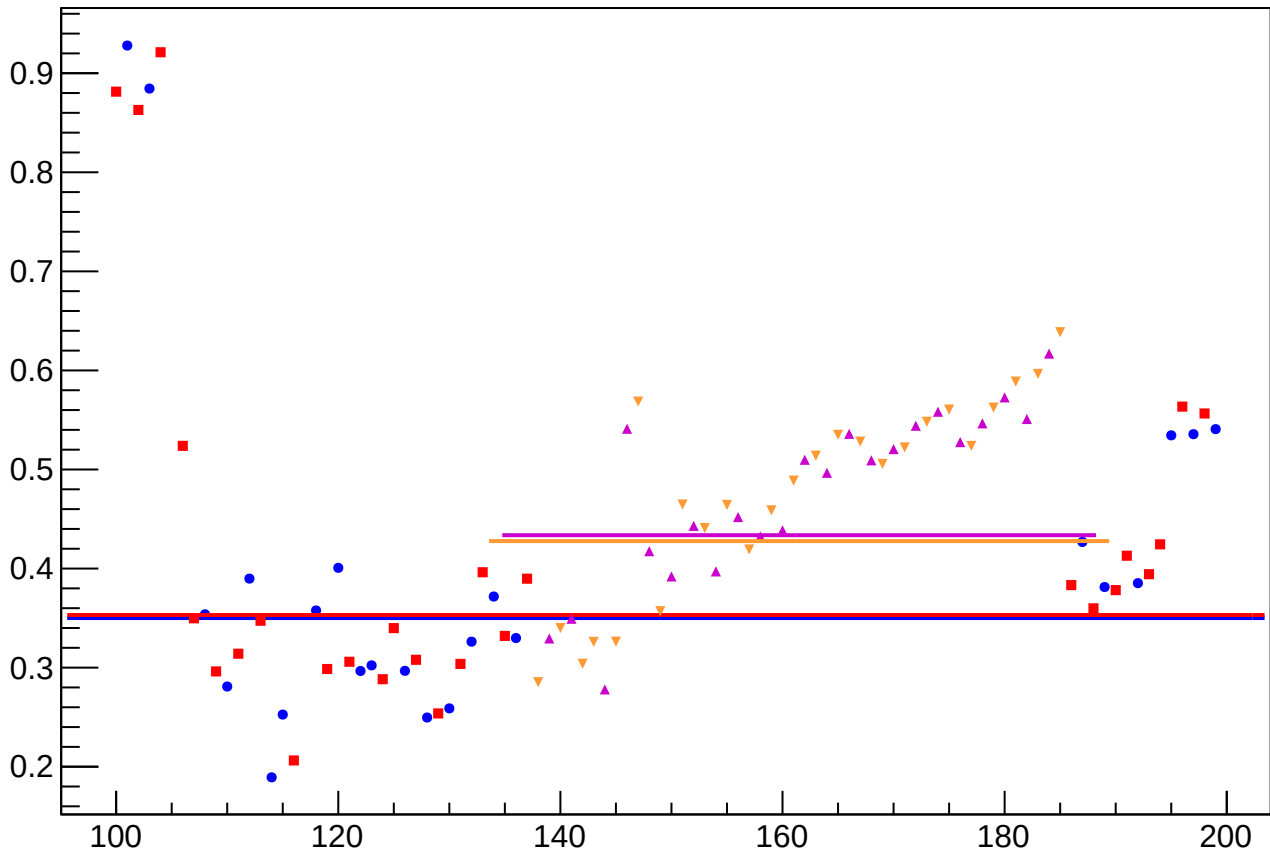
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8324785.2/49

yield_bcm_an_ds_mean vs Slug



Right In: 144.085 $\pm$ 0.000	χ^2 /NDF: 3472798485.4/22	+ sign 146.323 $\pm$ 0.000	χ^2 /NDF: 4185934517.7/47
Left Out: 148.073 $\pm$ 0.000	χ^2 /NDF: 65614067.4/24	All: 145.706 $\pm$ 0.000	χ^2 /NDF: 13165292747.
Right Out: 142.446 $\pm$ 0.000	χ^2 /NDF: 7351639814.5/26	- sign 145.106 $\pm$ 0.000	χ^2 /NDF: 8855264042.3/49
Left In: 147.670 $\pm$ 0.000	χ^2 /NDF: 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.350 ± 0.000 χ^2/NDF : 1965827.9/22

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.353 ± 0.000 χ^2/NDF : 1827348.8/26

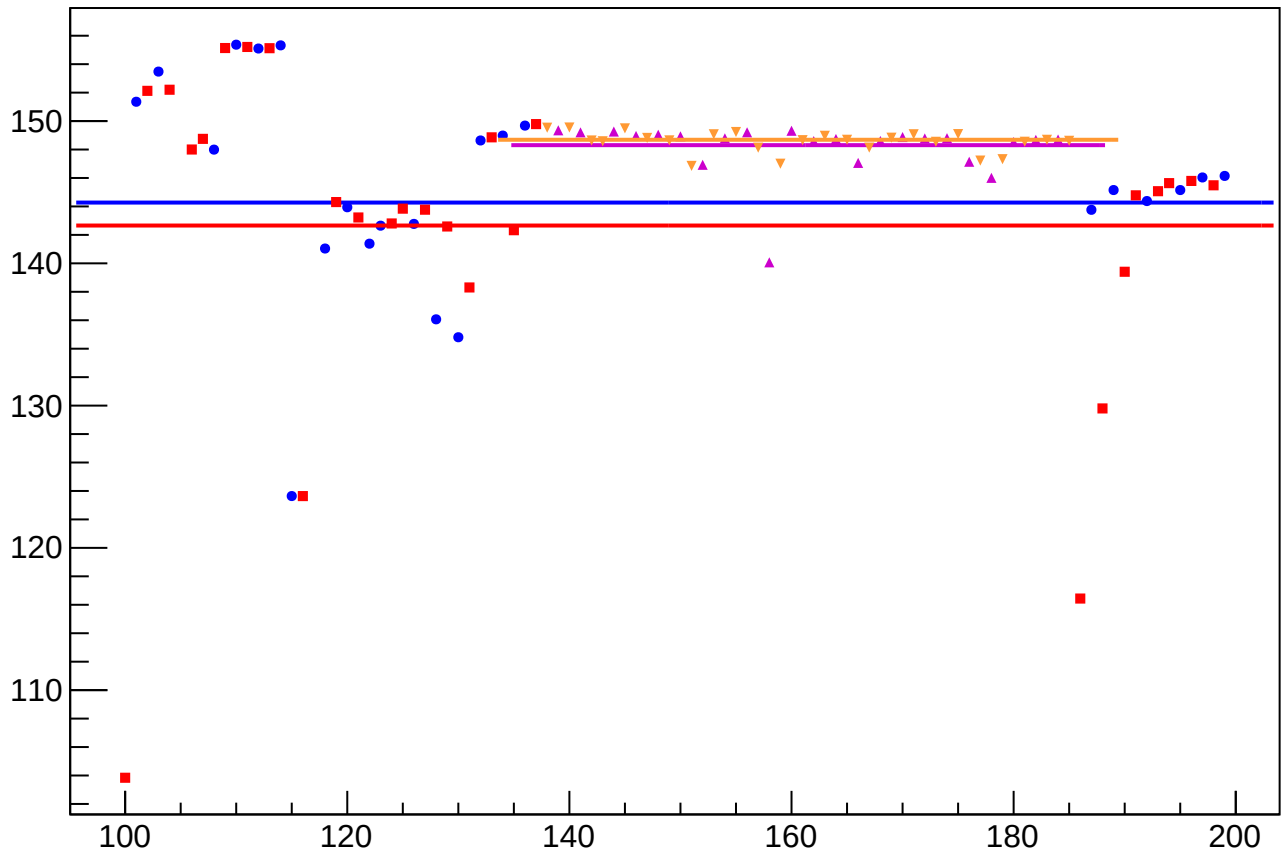
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.394 ± 0.000 χ^2/NDF : 4354188.7/47

All: 0.394 ± 0.000 χ^2/NDF : 8228994.8/97

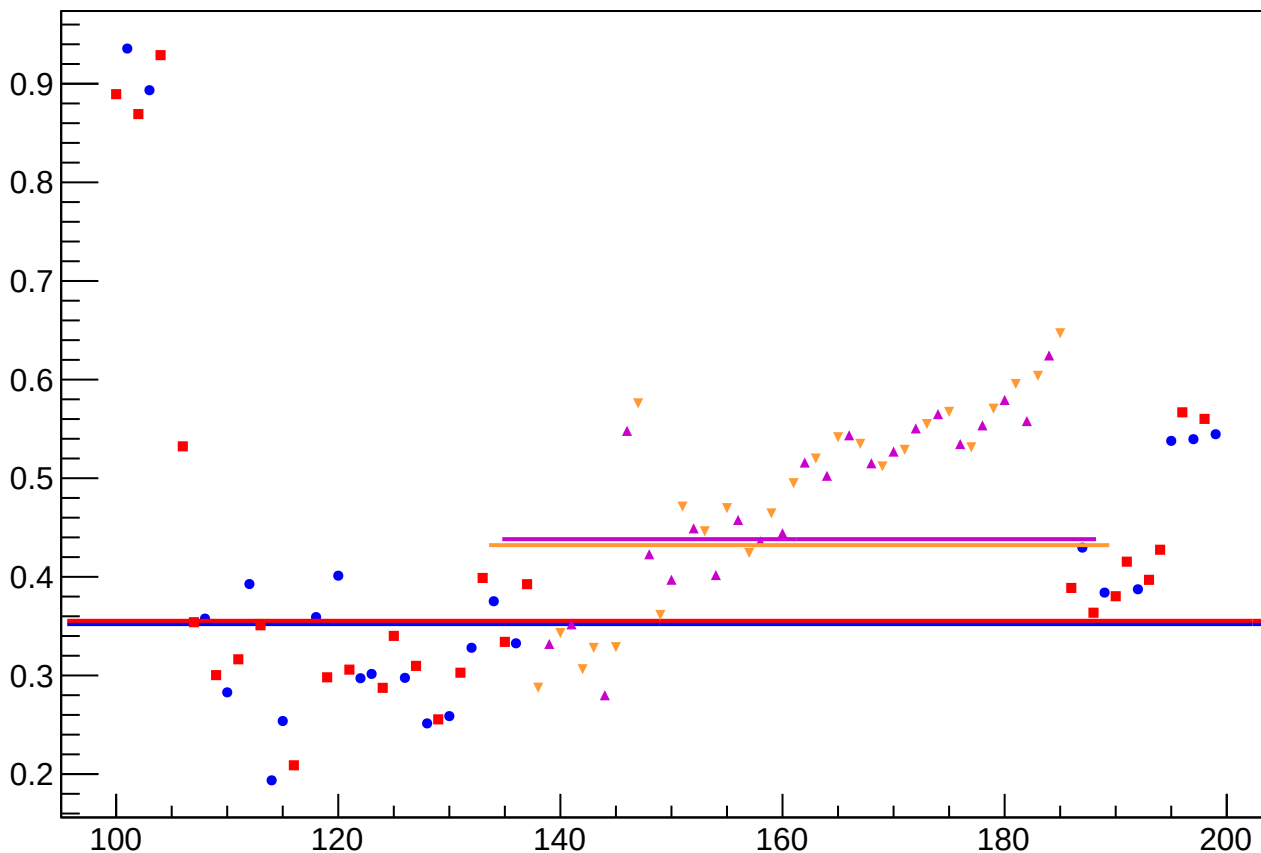
- sign 0.394 ± 0.000 χ^2/NDF : 3874767.4/49

yield_bcm_an_ds3_mean vs Slug



Right In: 144.272 $\pm$ 0.000	χ^2 /NDF: 3519985805.1/22	+ sign 146.739 $\pm$ 0.000	χ^2 /NDF: 4353048202.5/47
Left Out: 148.686 $\pm$ 0.000	χ^2 /NDF: 52218185.1/24	All: 146.123 $\pm$ 0.000	χ^2 /NDF: 13437143853.
Right Out: 142.658 $\pm$ 0.000	χ^2 /NDF: 7297733981.3/26	- sign 145.523 $\pm$ 0.000	χ^2 /NDF: 8962373978.4/49
Left In: 148.307 $\pm$ 0.000	χ^2 /NDF: 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.352 $\pm$ 0.000 χ^2 /NDF: 1970178.4/22

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1929031.5/24

Right Out: 0.355 $\pm$ 0.000 χ^2 /NDF: 1831961.1/26

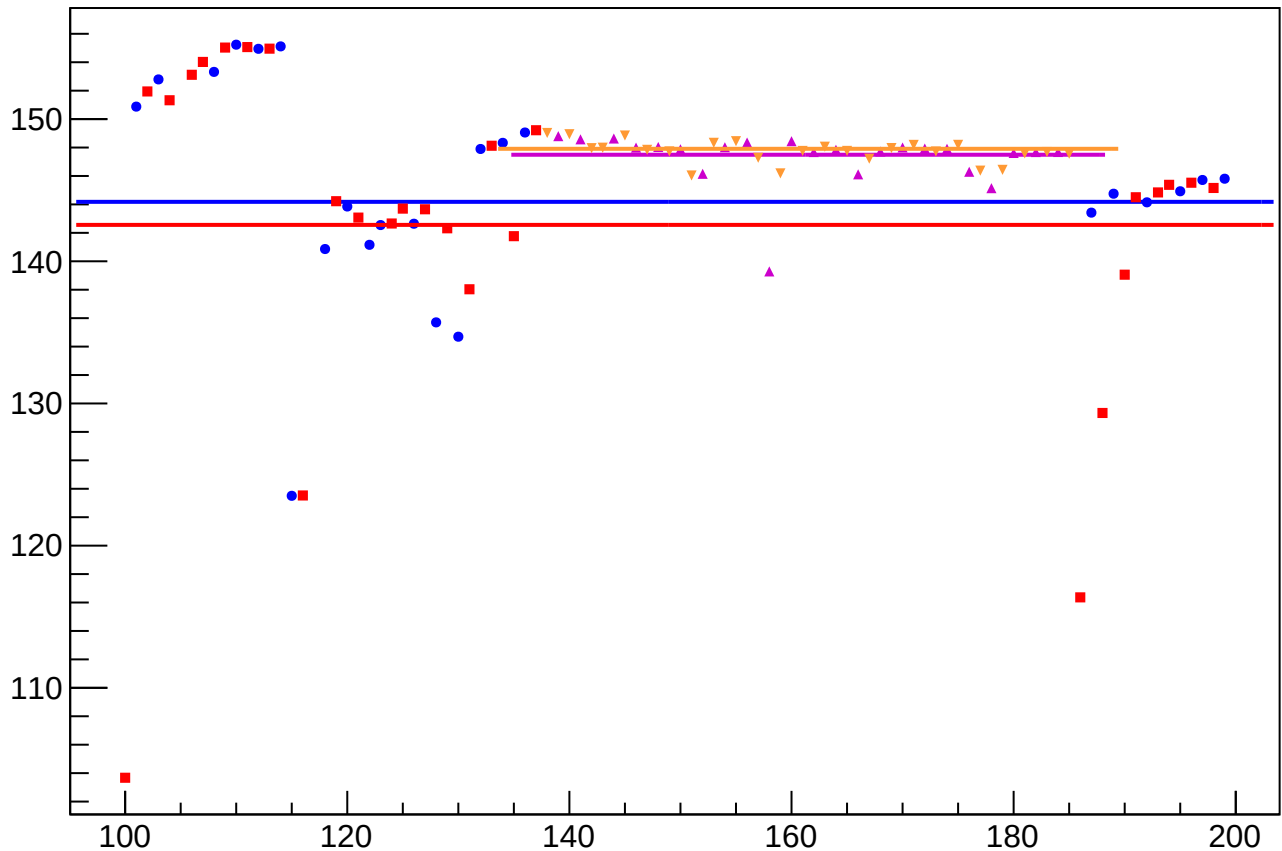
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.397 $\pm$ 0.000 χ^2 /NDF: 4412641.2/47

All: 0.397 $\pm$ 0.000 χ^2 /NDF: 8337871.5/97

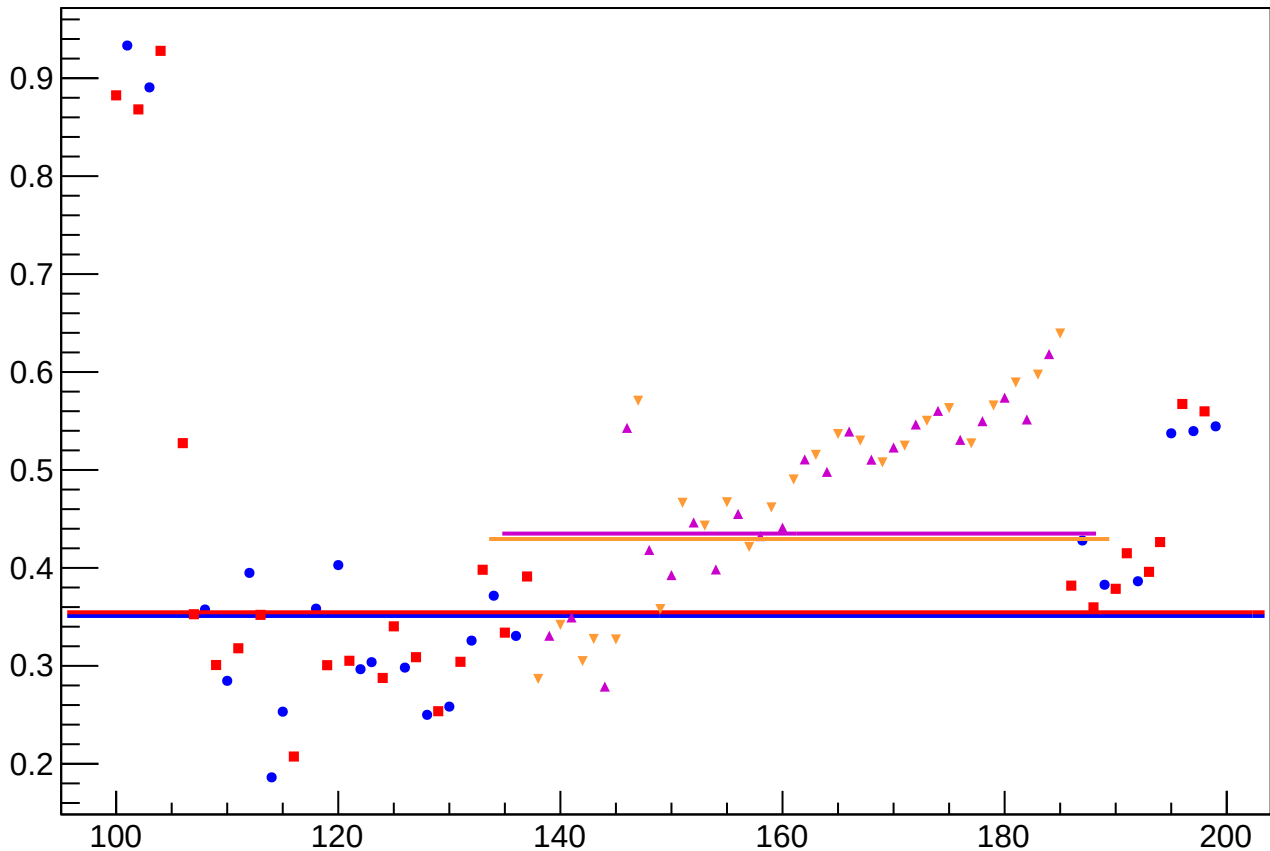
- sign 0.397 $\pm$ 0.000 χ^2 /NDF: 3925170.7/49

yield_bcm_an_us_mean vs Slug



Right In: 144.181+/-0.000	χ^2/NDF : 3681941982.7/22	+ sign 146.273+/-0.000	χ^2/NDF : 4308595842.8/47
Left Out: 147.911+/-0.000	χ^2/NDF : 64412407.9/24	All: 145.666+/-0.000	χ^2/NDF : 13532511409.
Right Out: 142.560+/-0.000	χ^2/NDF : 7735827387.6/26	- sign 145.075+/-0.000	χ^2/NDF : 9104615348.6/49
Left In: 147.493+/-0.000	χ^2/NDF : 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.351 ± 0.000 $\chi^2/\text{NDF}: 1990074.5/22$

Left Out: 0.430 ± 0.000 $\chi^2/\text{NDF}: 1895701.4/24$

Right Out: 0.355 ± 0.000 $\chi^2/\text{NDF}: 1831074.2/26$

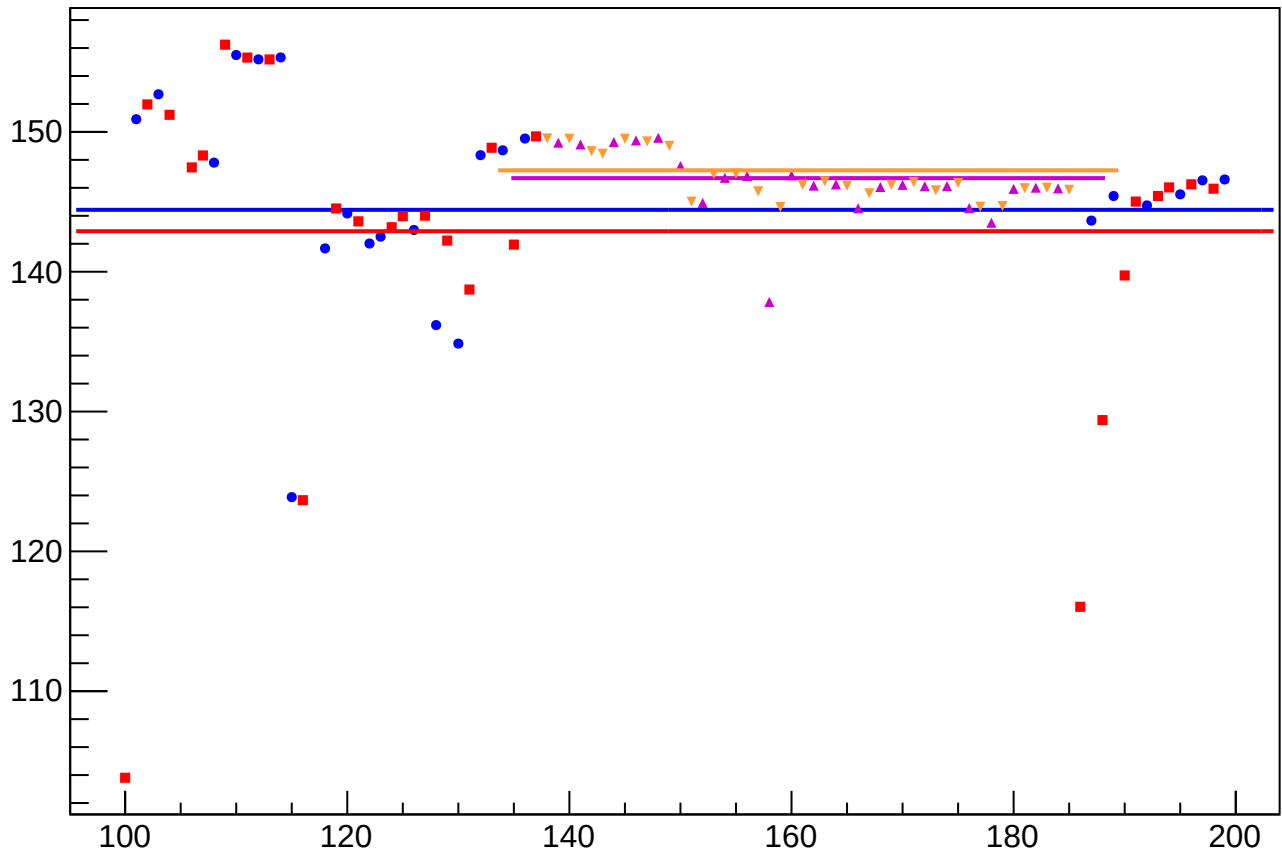
Left In: 0.435 ± 0.000 $\chi^2/\text{NDF}: 1502712.5/22$

+ sign 0.395 ± 0.000 $\chi^2/\text{NDF}: 4384688.7/47$

All: 0.395 ± 0.000 $\chi^2/\text{NDF}: 8262073.4/97$

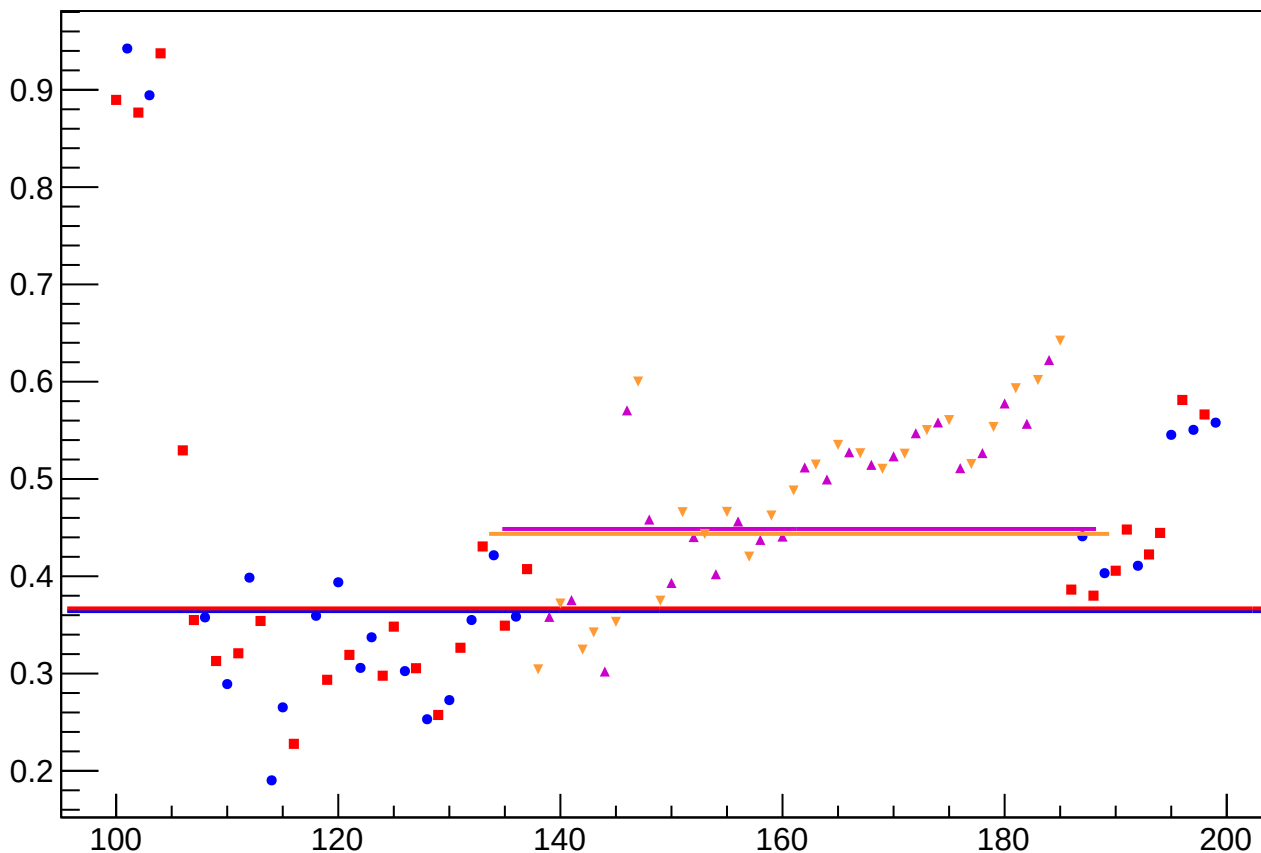
- sign 0.396 ± 0.000 $\chi^2/\text{NDF}: 3877312.6/49$

yield_bcm_dg_us_mean vs Slug



Right In: 144.429+/-0.000	χ^2/NDF : 3197063204.3/22	+ sign 146.028+/-0.000	χ^2/NDF : 3761133503.9/47
Left Out: 147.255+/-0.000	χ^2/NDF : 262138049.8/24	All: 145.432+/-0.000	χ^2/NDF : 12054688337.
Right Out: 142.900+/-0.000	χ^2/NDF : 7057381304.4/26	- sign 144.853+/-0.000	χ^2/NDF : 8185797488.0/49
Left In: 146.695+/-0.000	χ^2/NDF : 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.364 ± 0.000 χ^2/NDF : 1950464.9/22

Left Out: 0.444 ± 0.000 χ^2/NDF : 1483434.7/24

Right Out: 0.367 ± 0.000 χ^2/NDF : 1800952.5/26

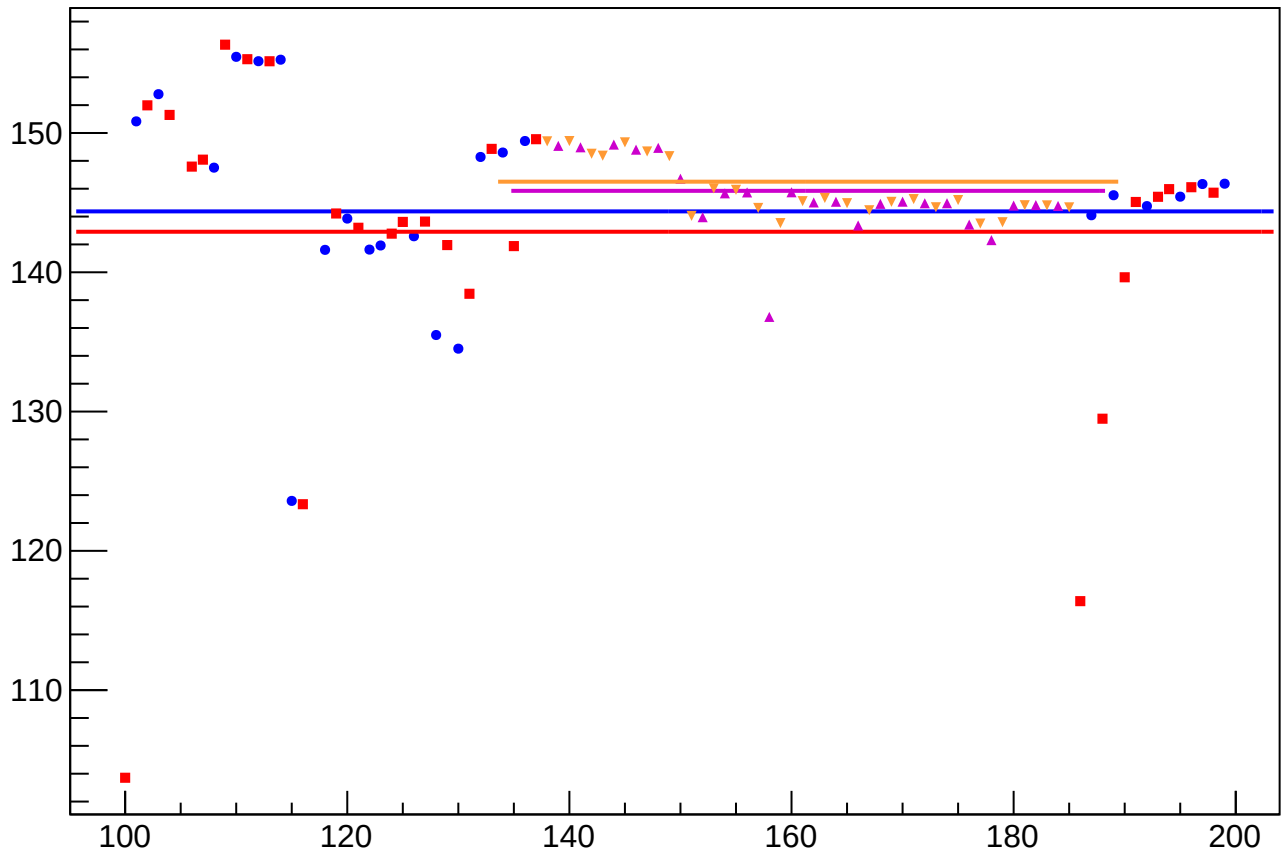
Left In: 0.449 ± 0.000 χ^2/NDF : 1132620.8/22

+ sign 0.409 ± 0.000 χ^2/NDF : 3910204.1/47

All: 0.409 ± 0.000 χ^2/NDF : 7372334.9/97

- sign 0.409 ± 0.000 χ^2/NDF : 3462127.7/49

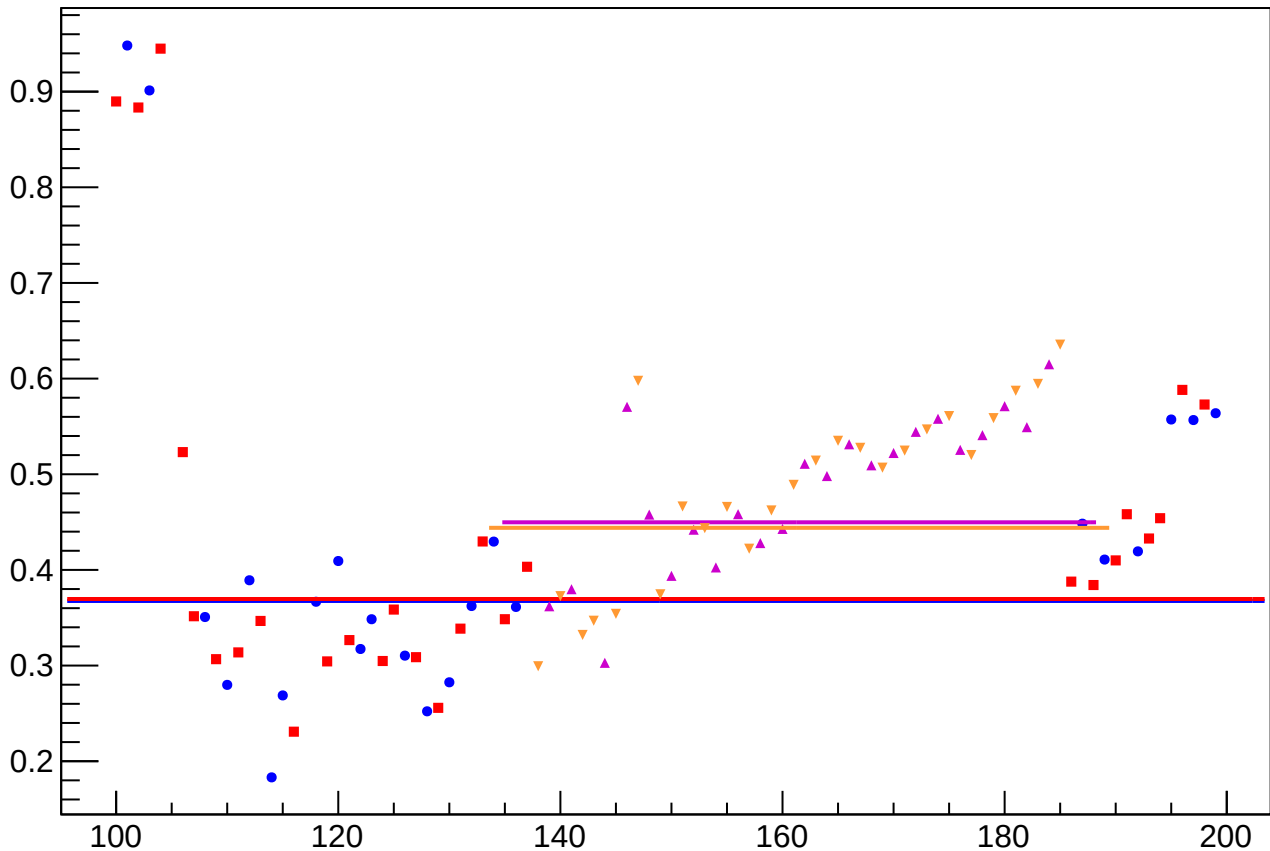
yield_bcm_dg_ds_mean vs Slug



Right In: 144.372 $\pm$ 0.000 χ^2/NDF : 3313050010.1/22
 Left Out: 146.505 $\pm$ 0.000 χ^2/NDF : 401688176.3/24
 Right Out: 142.910 $\pm$ 0.000 χ^2/NDF : 7025066295.2/26
 Left In: 145.847 $\pm$ 0.000 χ^2/NDF : 694764545.6/22

+ sign 145.590 $\pm$ 0.000 χ^2/NDF : 3884382333.8/47
 All: 145.002 $\pm$ 0.000 χ^2/NDF : 12045415523.
 - sign 144.431 $\pm$ 0.000 χ^2/NDF : 8057320003.0/49

yield_bcm_dg_ds_rms vs Slug



Right In: 0.368 $\pm$ 0.000 χ^2 /NDF: 1987897.8/22

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.370 $\pm$ 0.000 χ^2 /NDF: 1816806.9/26

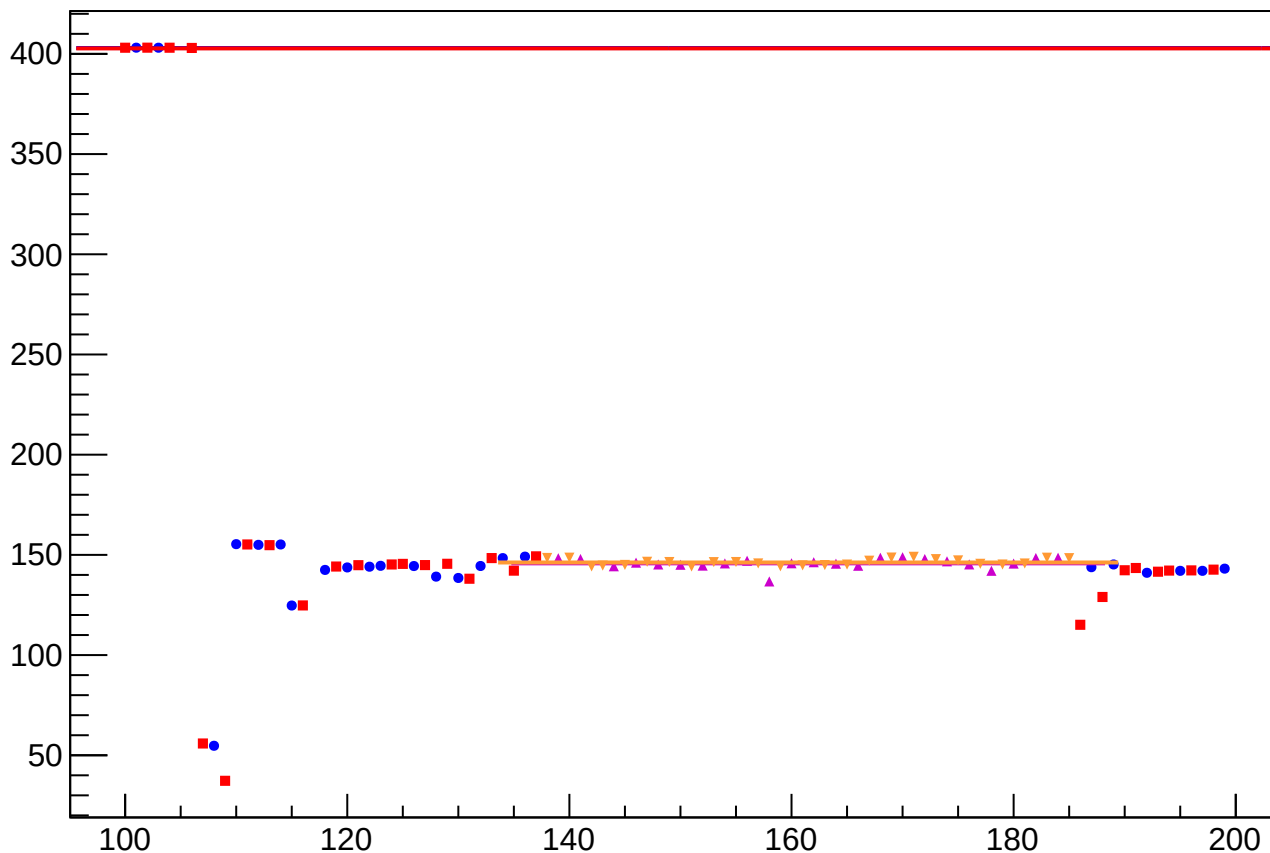
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.411 $\pm$ 0.000 χ^2 /NDF: 3887040.6/47

All: 0.411 $\pm$ 0.000 χ^2 /NDF: 7312552.7/97

- sign 0.411 $\pm$ 0.000 χ^2 /NDF: 3425510.6/49

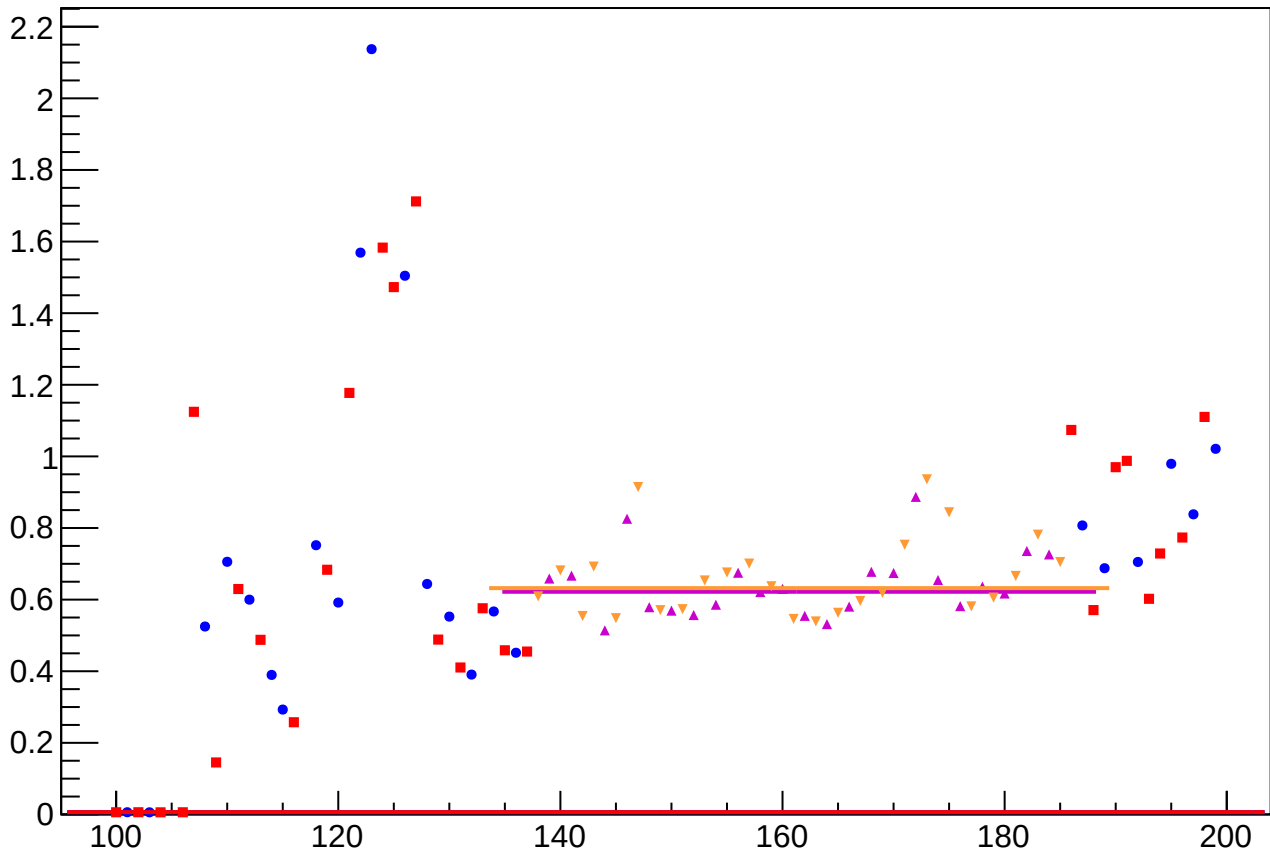
yield_cav4bQ_mean vs Slug



Right In: 402.921 $\pm$ 0.000 χ^2 /NDF: 1389424704569.5/22
 Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24
 Right Out: 402.741 $\pm$ 0.000 χ^2 /NDF: 3646688415465.9/26
 Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.625 $\pm$ 0.000 χ^2 /NDF: 3760748687919.0
 All: 402.549 $\pm$ 0.000 χ^2 /NDF: 975415896446
 - sign 402.482 $\pm$ 0.000 χ^2 /NDF: 5993072009961.2/

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 14973560.7/22

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 17279107.9/26

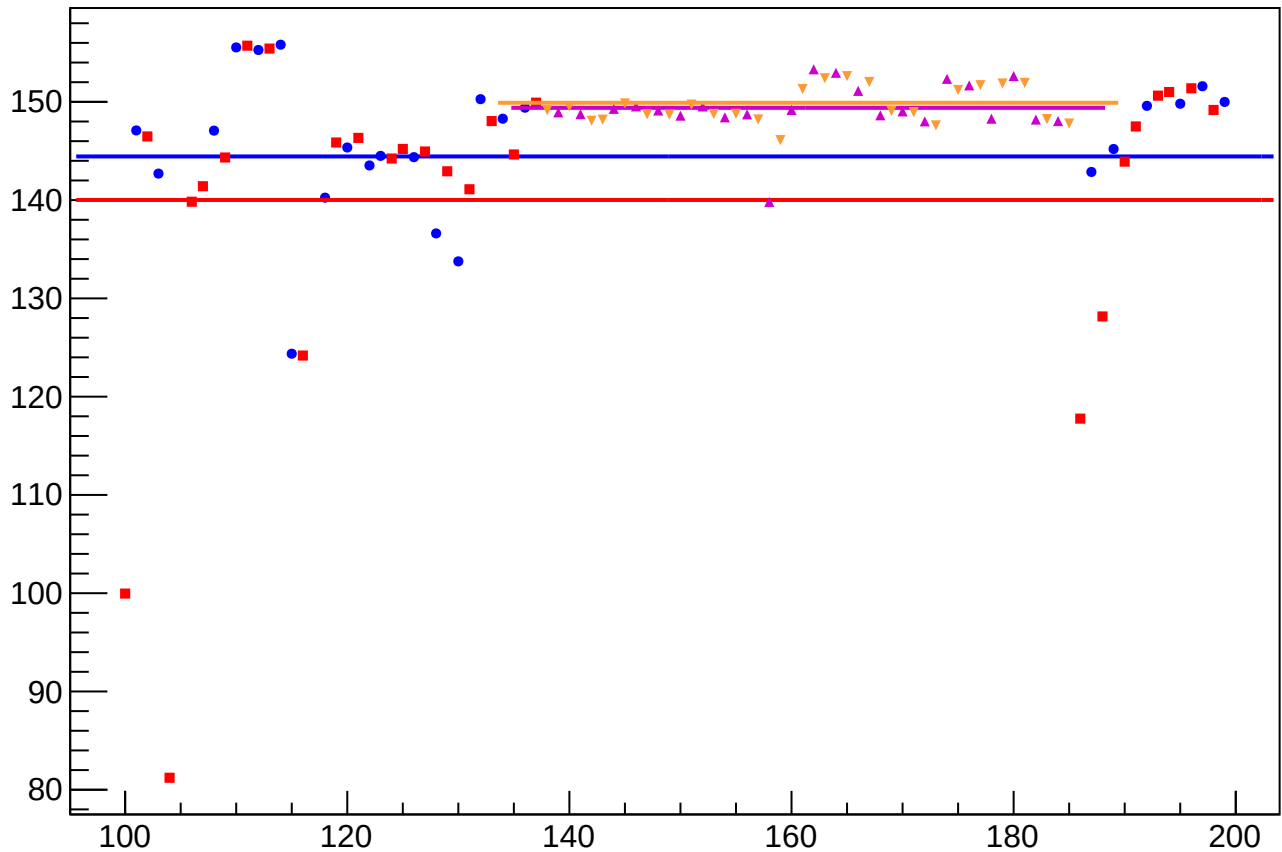
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 43757034.9/47

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 88357967.3/97

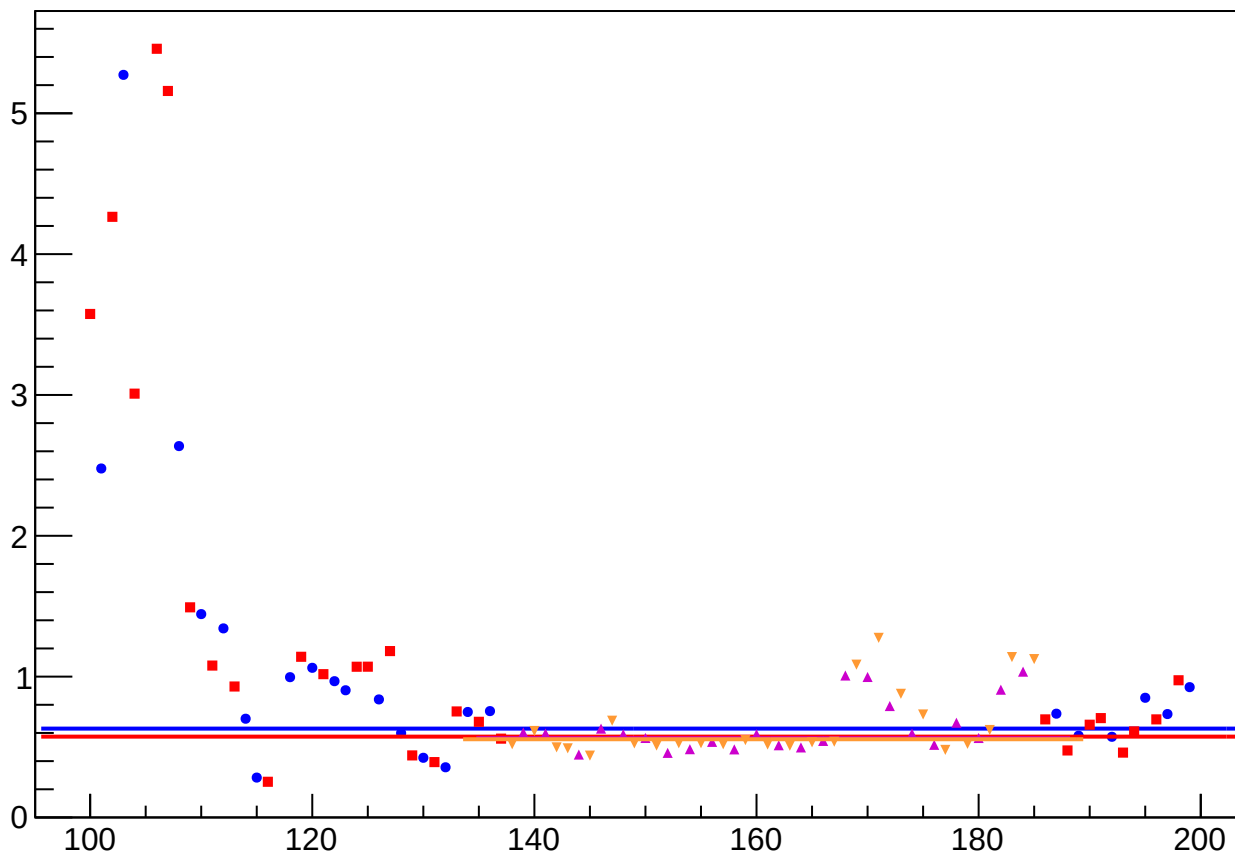
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 44600759.4/49

yield_cav4cQ_mean vs Slug



Right In: 144.445 $\pm$ 0.000	χ^2 /NDF: 1220248884.2/22	+ sign 148.583 $\pm$ 0.000	χ^2 /NDF: 1751473271.8/47
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.470 $\pm$ 0.000	χ^2 /NDF: 6671436250.0
Right Out: 140.016 $\pm$ 0.000	χ^2 /NDF: 2985310559.0/26	- sign 146.400 $\pm$ 0.000	χ^2 /NDF: 4756744767.1/49
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.631 ± 0.000 χ^2/NDF : 3798659.8/22

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.574 ± 0.000 χ^2/NDF : 5114236.2/26

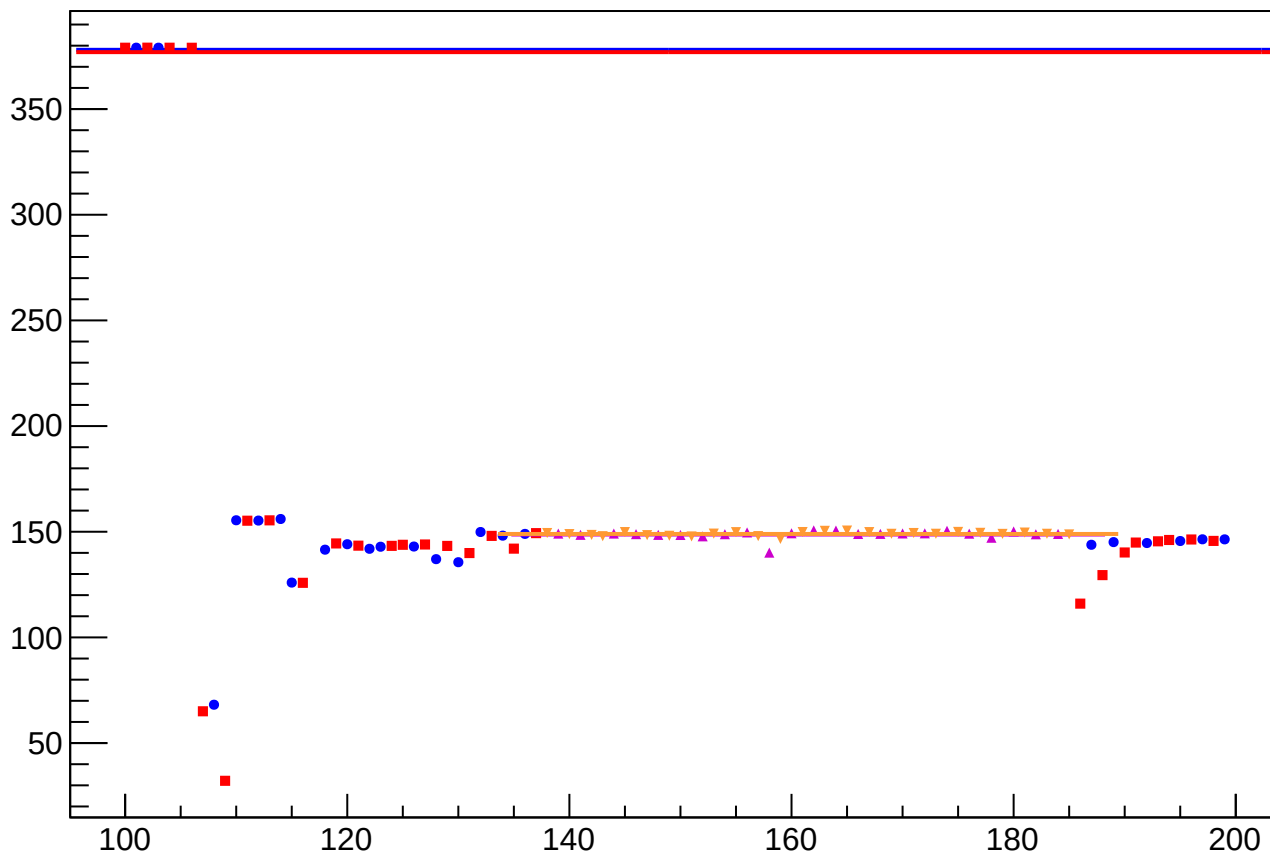
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.574 ± 0.000 χ^2/NDF : 5712834.6/47

All: 0.570 ± 0.000 χ^2/NDF : 12146629.7/97

- sign 0.566 ± 0.000 χ^2/NDF : 6429573.5/49

yield_cav4dQ_mean vs Slug



Right In: 378.035 $\pm$ 0.000 χ^2 /NDF: 3276231114701.6/22

Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24

Right Out: 376.944 $\pm$ 0.000 χ^2 /NDF: 9527831173287.9/26

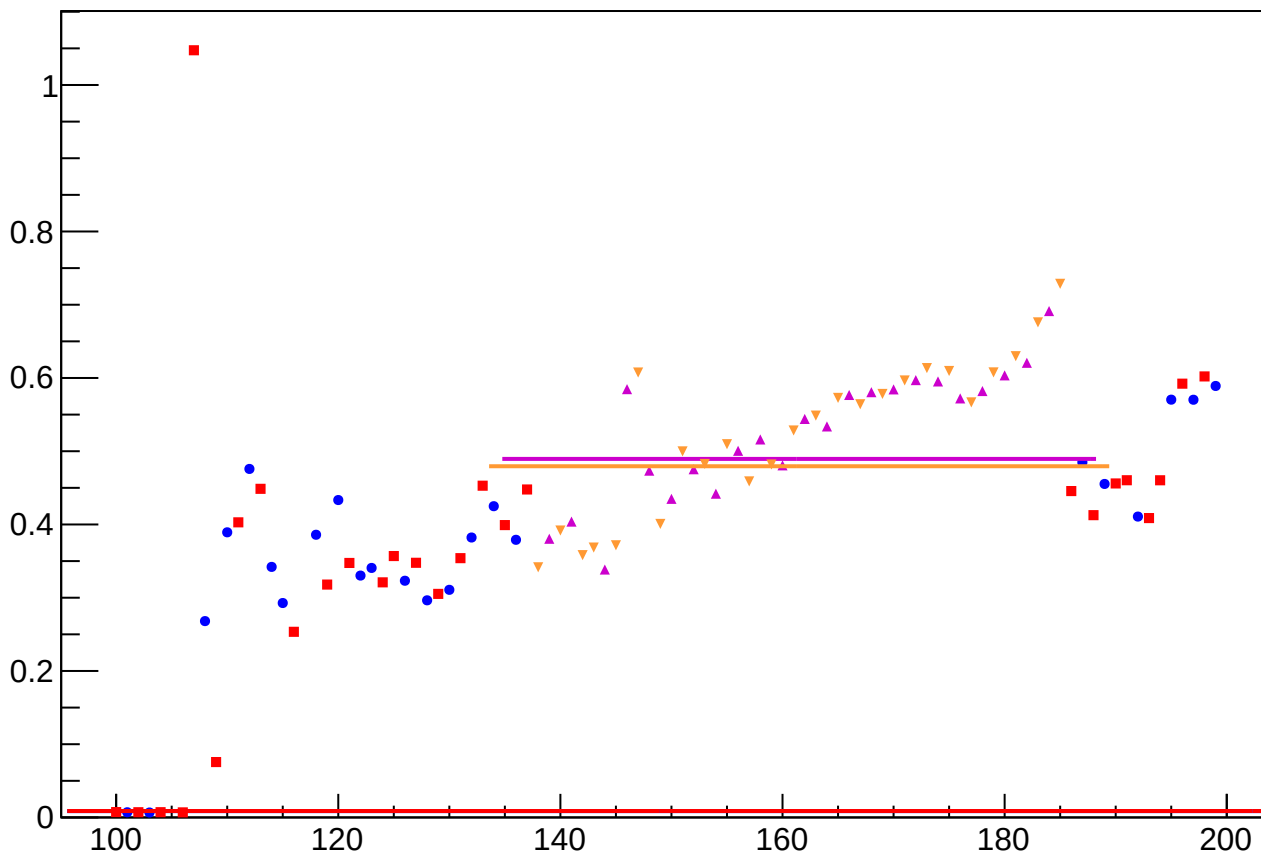
Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22

+ sign 376.755 $\pm$ 0.000 χ^2 /NDF: 7183127472527.6

All: 376.308 $\pm$ 0.000 χ^2 /NDF: 202904352137

- sign 375.915 $\pm$ 0.000 χ^2 /NDF: 13102259382487.5

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 16920421.4/22

Left Out: 0.479+/-0.000 χ^2/NDF : 1518765.9/24

Right Out: 0.009+/-0.000 χ^2/NDF : 18821796.2/26

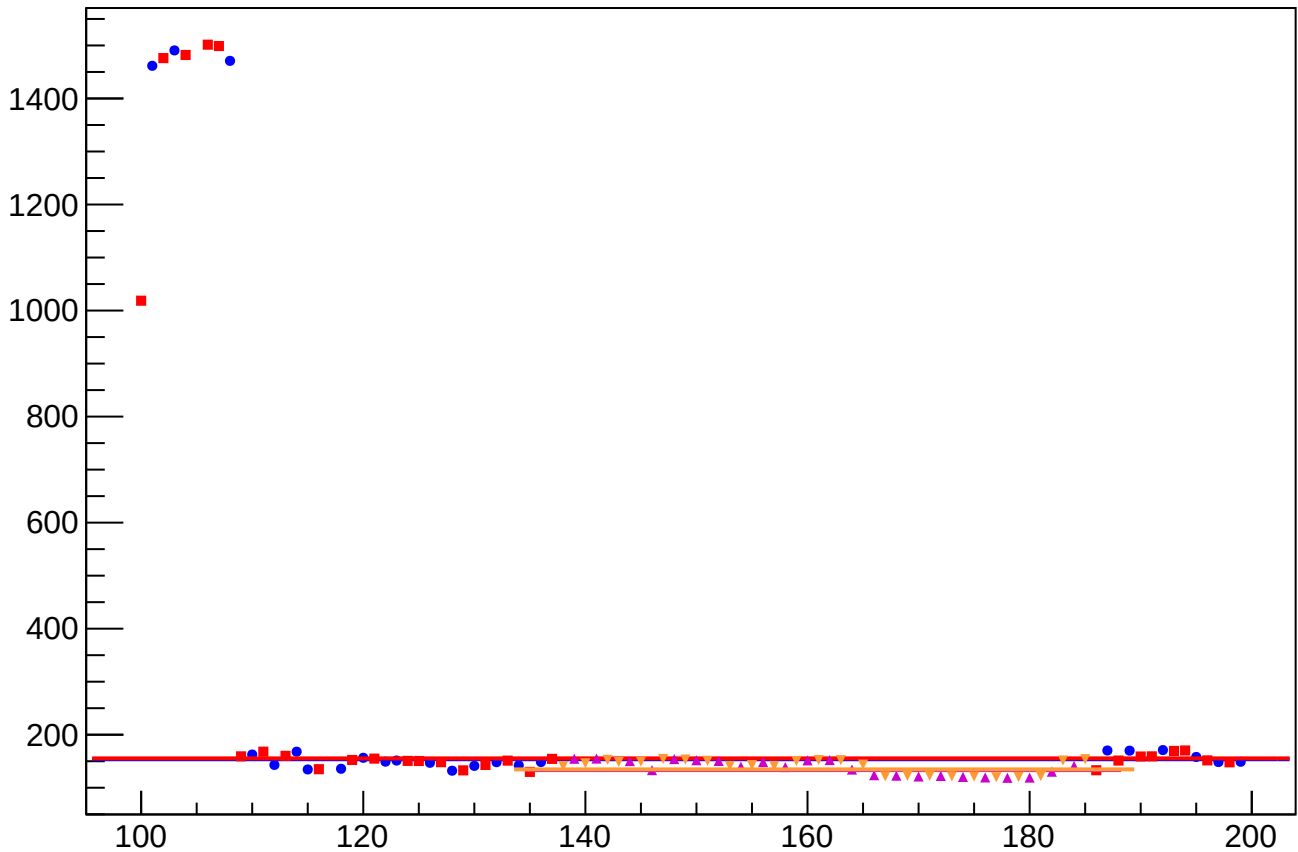
Left In: 0.490+/-0.000 χ^2/NDF : 1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 51445465.2/47

All: 0.011+/-0.000 χ^2/NDF : 103063256.1/97

- sign 0.011+/-0.000 χ^2/NDF : 51616435.3/49

yield_bcm0l02_mean vs Slug



Right In: 153.745+/-0.000 χ^2/NDF : 25479408972.3/22

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 155.356+/-0.000 χ^2/NDF : 34741688089.9/26

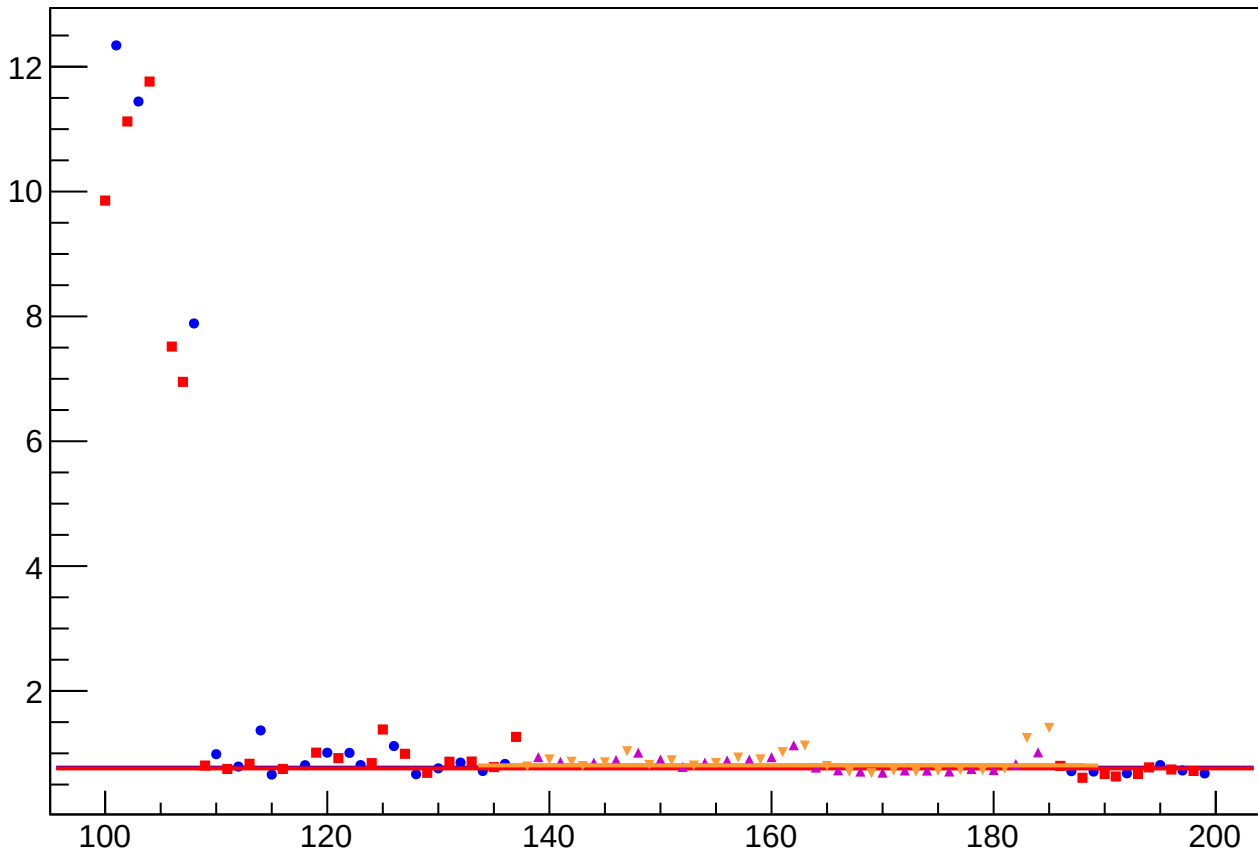
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 141.039+/-0.000 χ^2/NDF : 32802488187.4/47

All: 141.474+/-0.000 χ^2/NDF : 76251148704.0

- sign 141.889+/-0.000 χ^2/NDF : 43435408378.2/49

yield_bcm0l02_rms vs Slug



Right In: 0.771 ± 0.000 χ^2/NDF : 2804860.9/22

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.759 ± 0.000 χ^2/NDF : 3130341.7/26

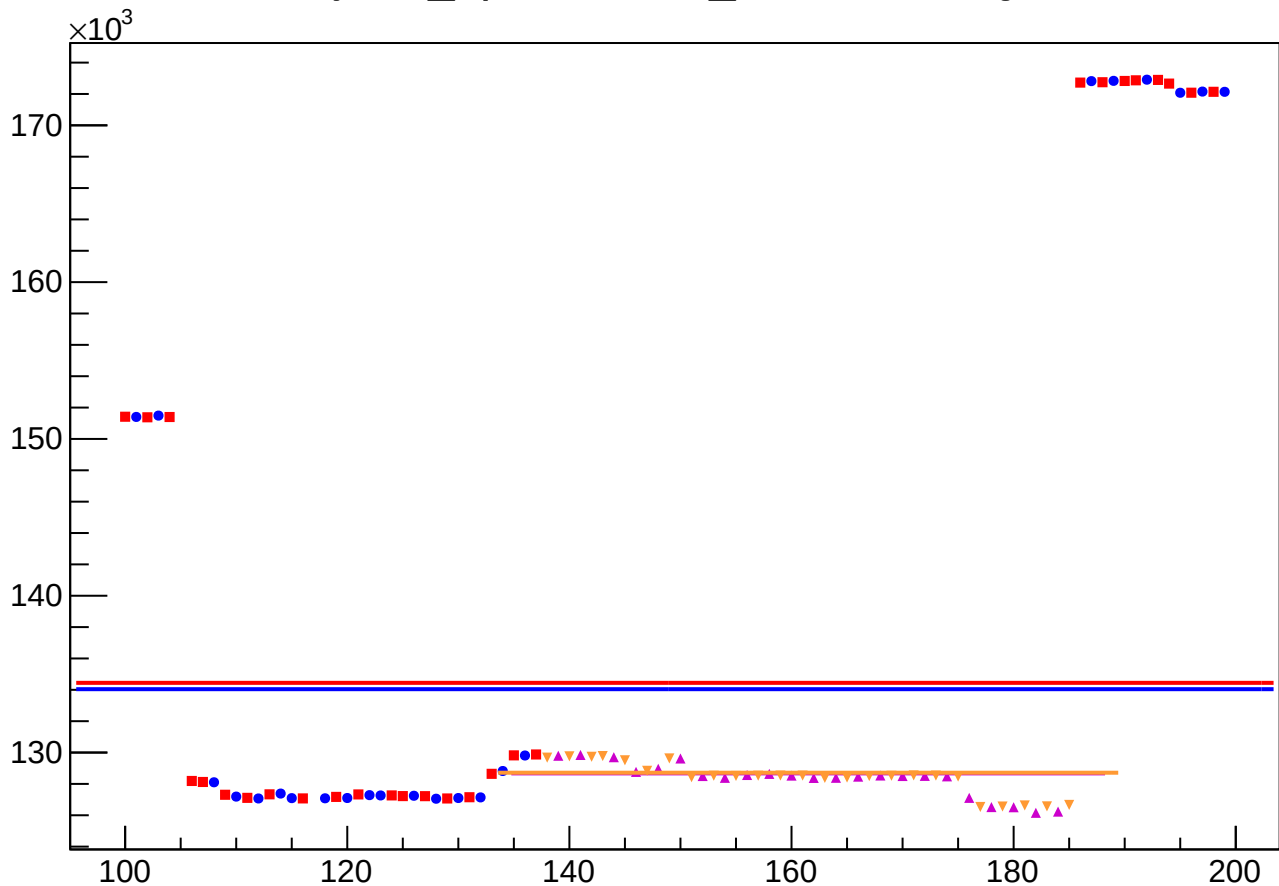
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.795 ± 0.000 χ^2/NDF : 3529646.9/47

All: 0.791 ± 0.000 χ^2/NDF : 7179690.4/97

- sign 0.787 ± 0.000 χ^2/NDF : 3647741.4/49

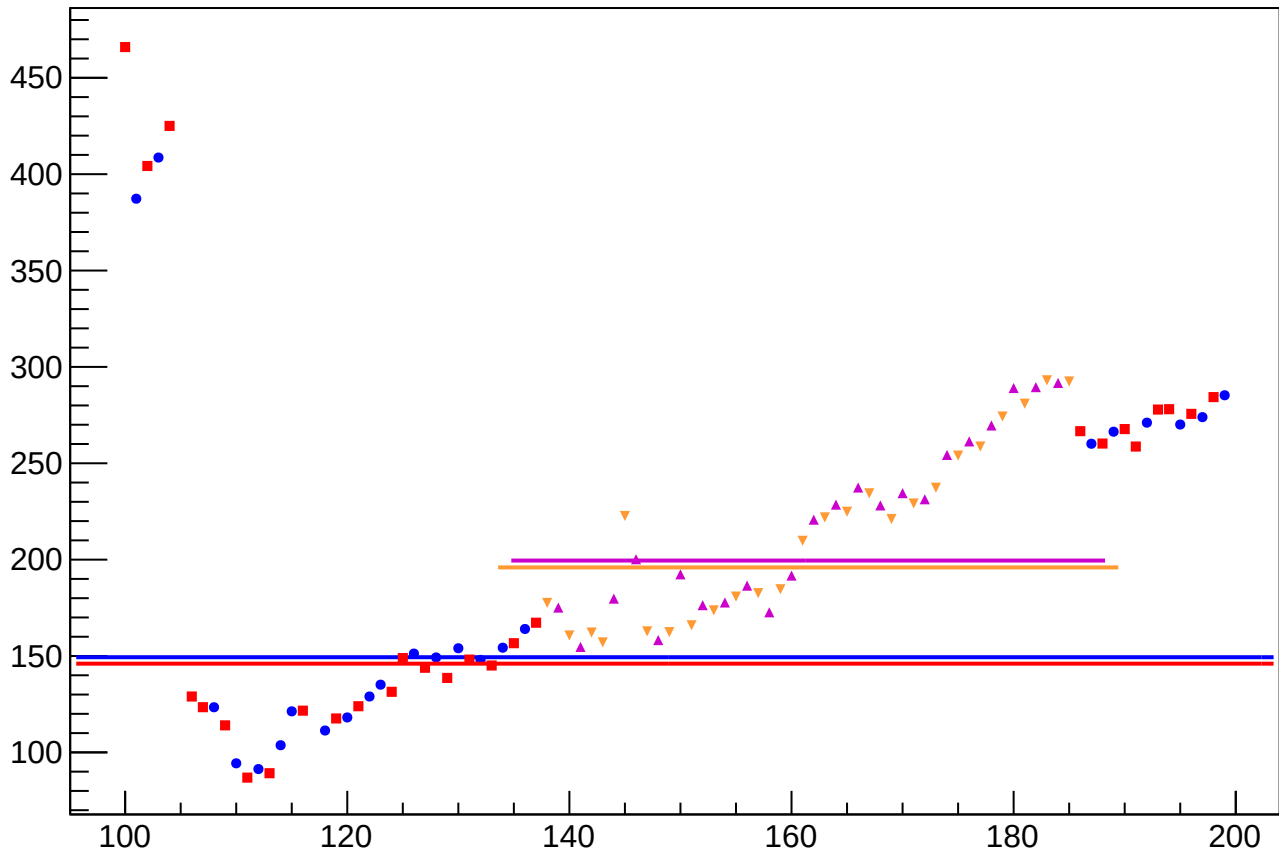
yield_bpm2i01WS_mean vs Slug



Right In: 134040.687 $\pm$ 0.051 χ^2 /NDF: 93777288429.4/22
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 134444.856 $\pm$ 0.047 χ^2 /NDF: 118394005043.0/26
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22

+ sign 131151.050 $\pm$ 0.034 χ^2 /NDF: 100091006277
 All: 131428.281 $\pm$ 0.024 χ^2 /NDF: 22627245
 - sign 131694.944 $\pm$ 0.034 χ^2 /NDF: 126053732809

yield_bpm2i01WS_rms vs Slug



Right In: 149.373+/-0.036 χ^2/NDF : 3353499.1/22

Left Out: 195.964+/-0.033 χ^2/NDF :1316091.7/24

Right Out: 146.026+/-0.033 χ^2/NDF : 4055662.3/26

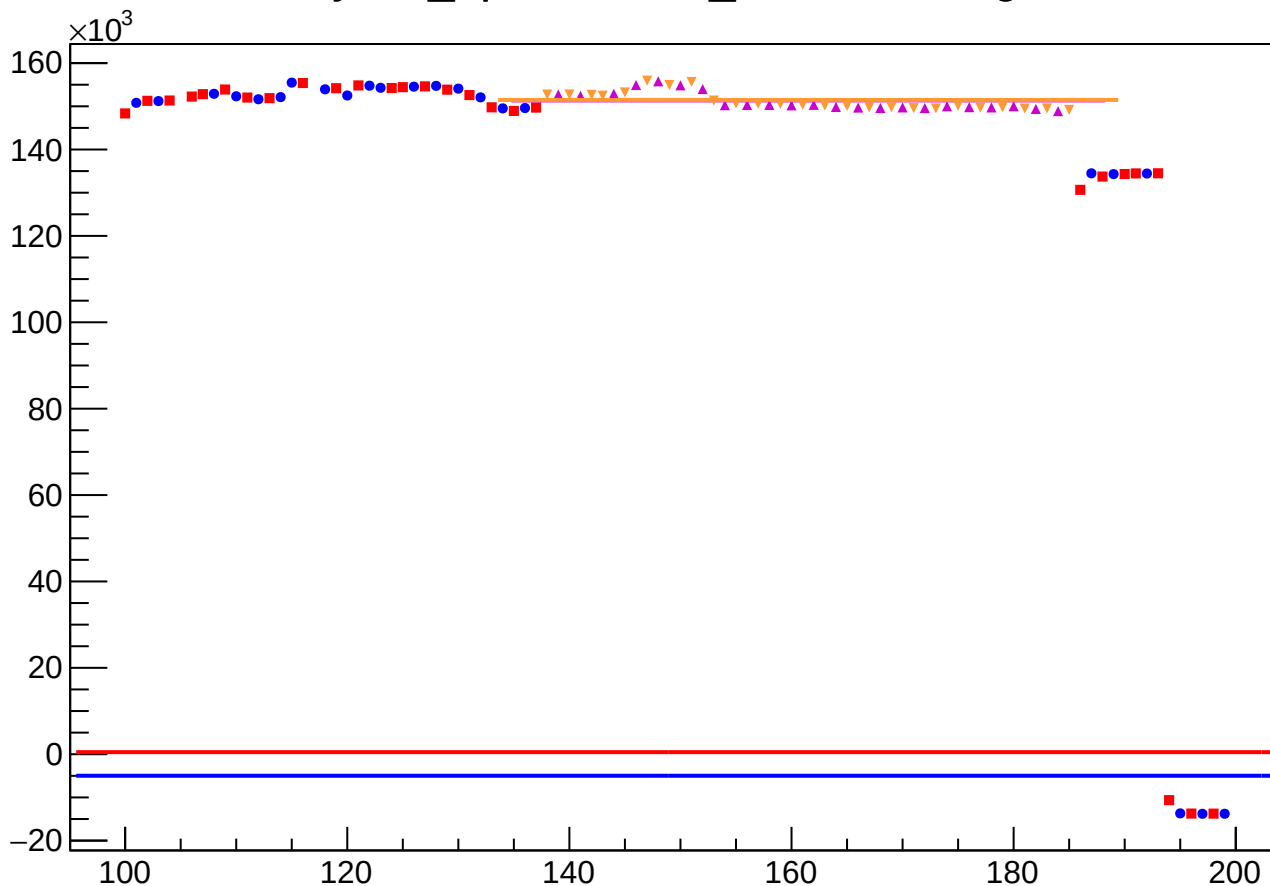
Left In: 199.531+/-0.035 χ^2/NDF :1175342.5/22

+ sign 174.647+/-0.024 χ^2/NDF : 5582268.3/47

All: 173.045+/-0.017 χ^2/NDF : 12079445.2/97

- sign 171.505+/-0.024 χ^2/NDF : 6488651.0/49

yield_bpm0i07WS_mean vs Slug



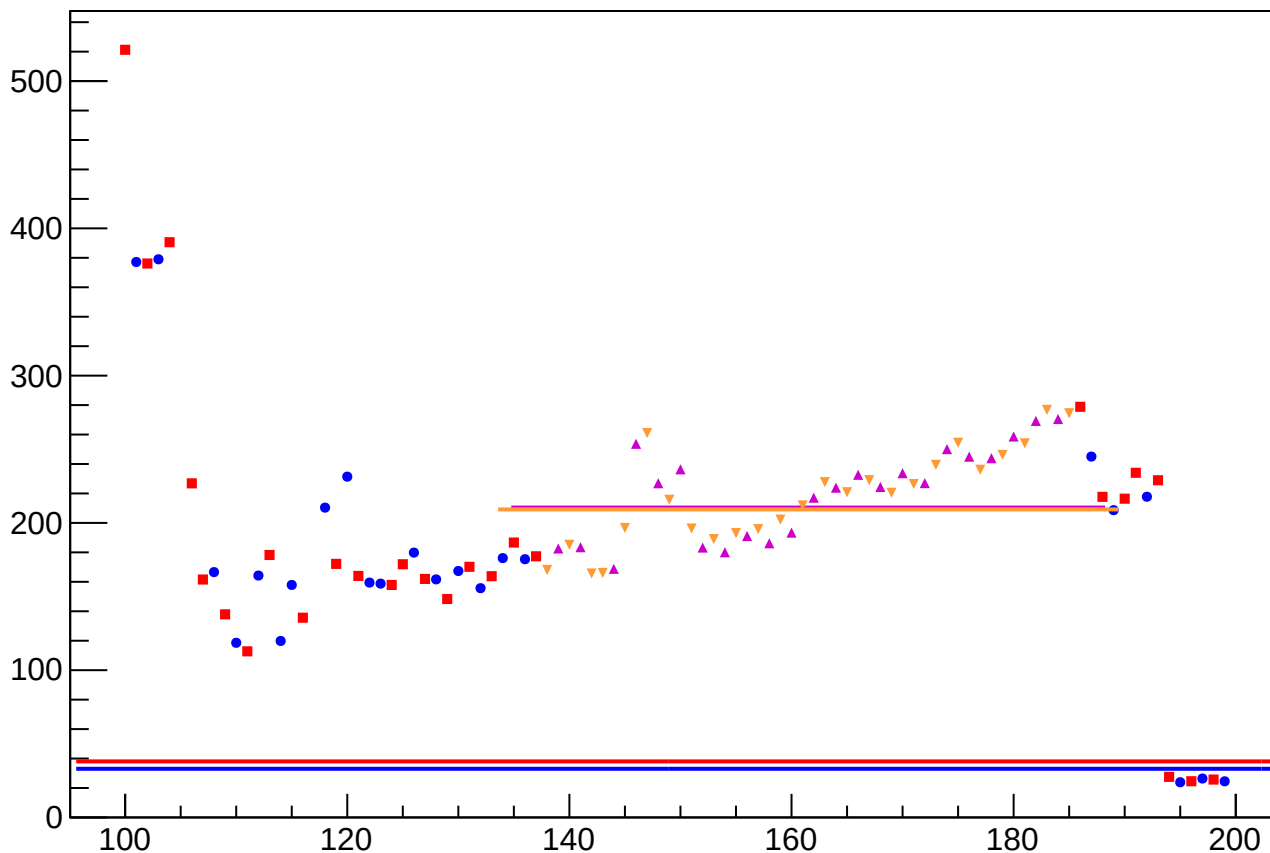
Right In: -4984.119 $\pm$ 0.016 χ^2 /NDF: 5652617322861.4/22

Left Out: 151480.339 $\pm$ 0.049 χ^2 /NDF: 1483692735.3/24 + sign 9035.112 $\pm$ 0.015 χ^2 /NDF: 14760494782804

Right Out: 479.333 $\pm$ 0.017 χ^2 /NDF: 6730594909815.8/26 All: 12204.813 $\pm$ 0.011 χ^2 /NDF: 2937109367

Left In: 151362.440 $\pm$ 0.051 χ^2 /NDF: 1426782789.9/22 - sign 16141.607 $\pm$ 0.017 χ^2 /NDF: 1450788052854

yield_bpm0i07WS_rms vs Slug



Right In: 33.049 $\pm$ 0.011 χ^2 /NDF: 10990531.0/22

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 38.075 $\pm$ 0.012 χ^2 /NDF: 12636594.7/26

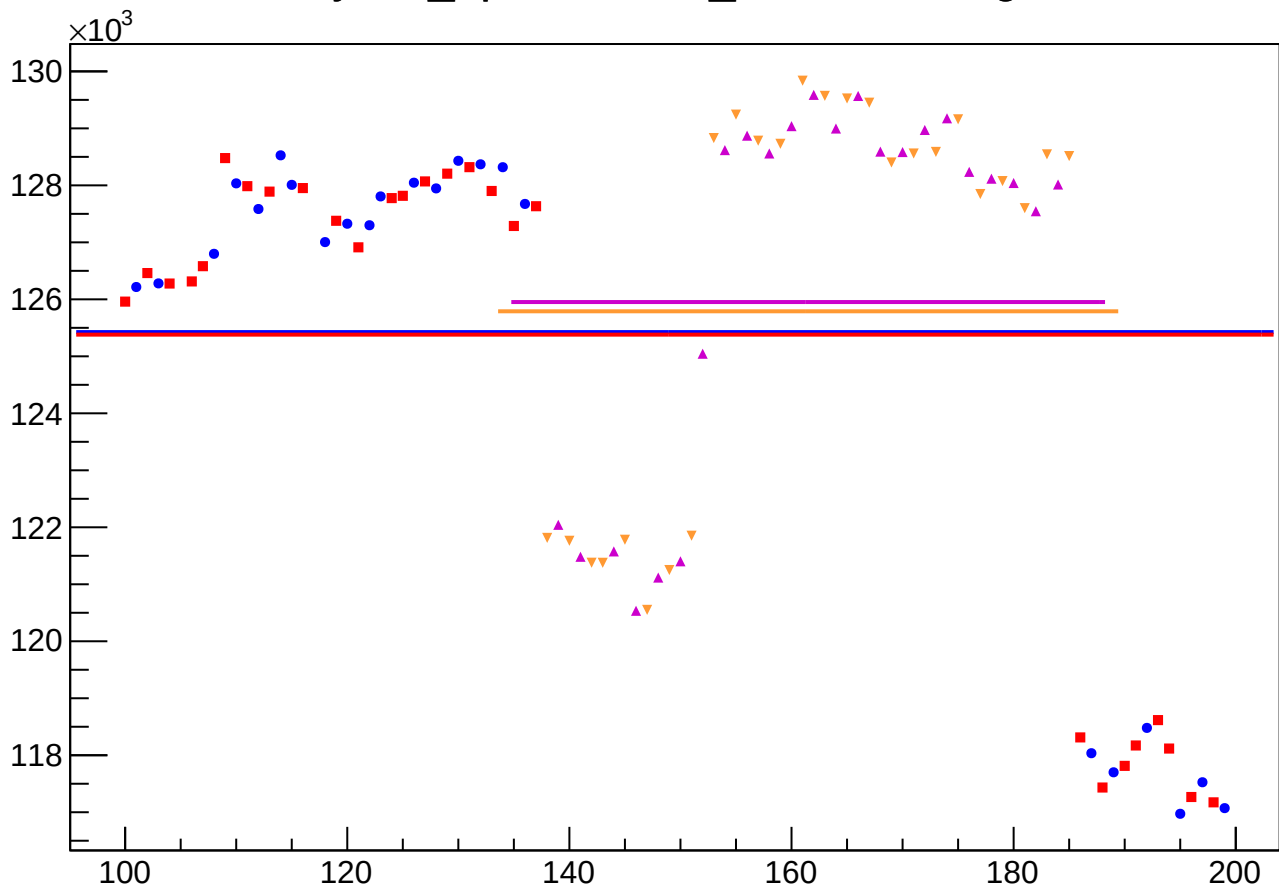
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 48.828 $\pm$ 0.010 χ^2 /NDF: 34773279.4/47

All: 52.012 $\pm$ 0.008 χ^2 /NDF: 68594245.3/97

- sign 55.966 $\pm$ 0.012 χ^2 /NDF: 33613689.2/49

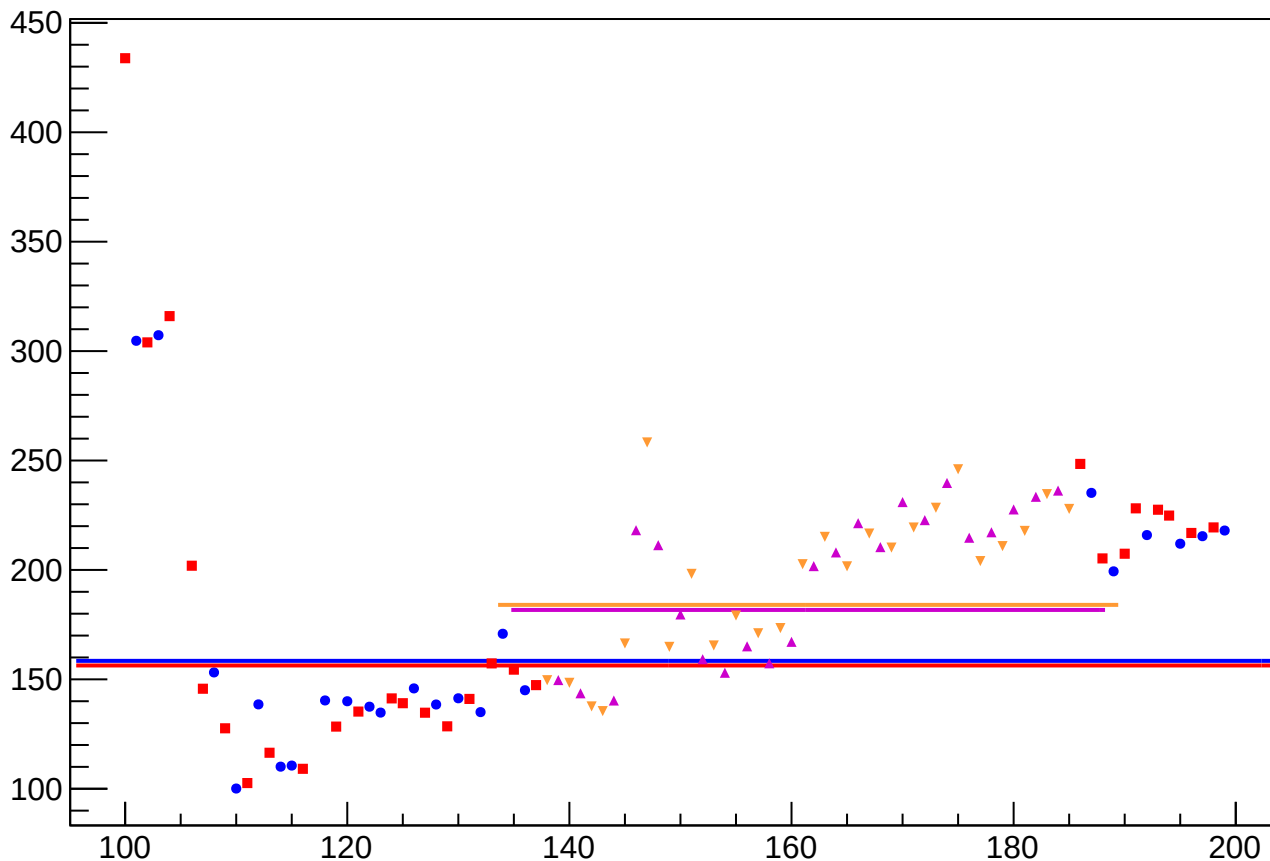
yield_bpm0l01WS_mean vs Slug



Right In: 125425.074 $\pm$ 0.051 χ^2 /NDF: 6939438503.3/22
 Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24
 Right Out: 125380.663 $\pm$ 0.048 χ^2 /NDF: 7998760771.3/26
 Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22

+ sign 125635.896 $\pm$ 0.033 χ^2 /NDF: 13712881691.
 All: 125661.245 $\pm$ 0.023 χ^2 /NDF: 276311167.
 - sign 125685.391 $\pm$ 0.033 χ^2 /NDF: 13917110843.1

yield_bpm0l01WS_rms vs Slug



Right In: 158.448 $\pm$ 0.036 χ^2 /NDF: 1523161.1/22

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF: 1126592.5/24

Right Out: 156.338 $\pm$ 0.034 χ^2 /NDF: 2052697.7/26

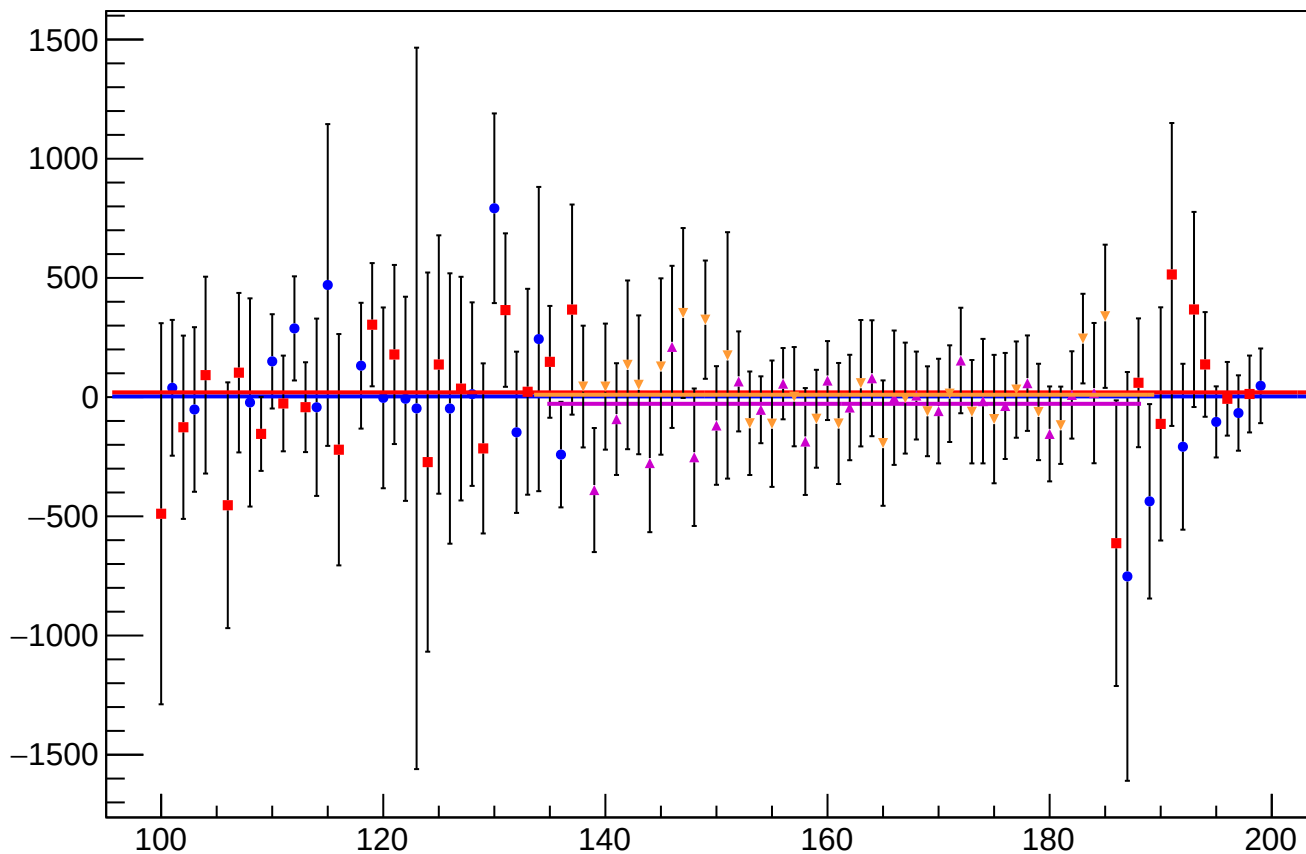
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 173.221 $\pm$ 0.024 χ^2 /NDF: 2935878.2/47

All: 171.501 $\pm$ 0.016 χ^2 /NDF: 6416612.6/97

- sign 169.862 $\pm$ 0.023 χ^2 /NDF: 3470377.3/49

asym_bcm_an_ds_mean vs Slug



Right In: 3.020 ± 57.901 χ^2/NDF : 11.6/22

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 19.987 ± 54.745 χ^2/NDF : 10.1/26

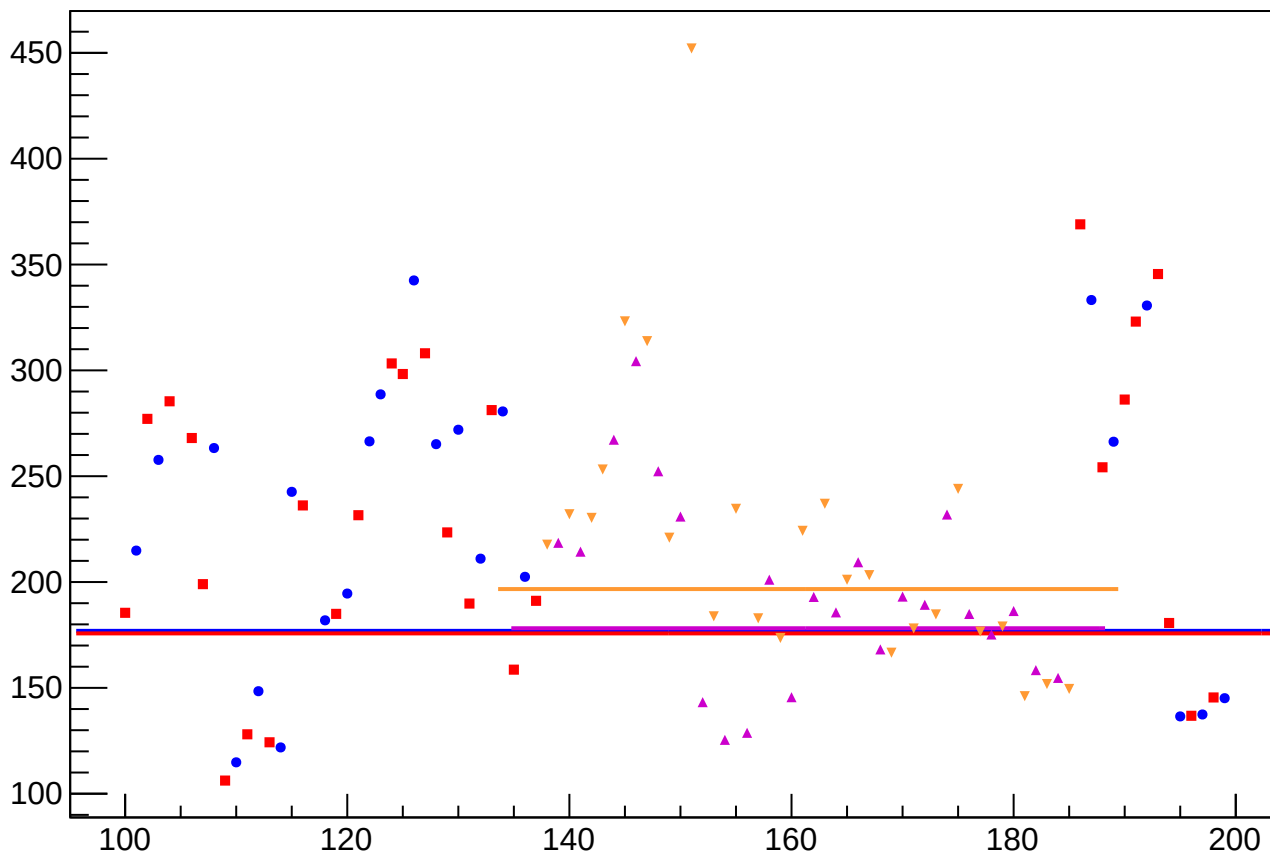
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign 7.240 ± 36.718 χ^2/NDF : 20.1/47

All: -1.318 ± 25.168 χ^2/NDF : 37.7/97

- sign -8.901 ± 34.565 χ^2/NDF : 17.5/49

asym_bcm_an_ds_rms vs Slug



Right In: 176.936 $\pm$ 0.041 χ^2 /NDF: 2017133.8/22

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 175.732 $\pm$ 0.039 χ^2 /NDF: 2709428.6/26

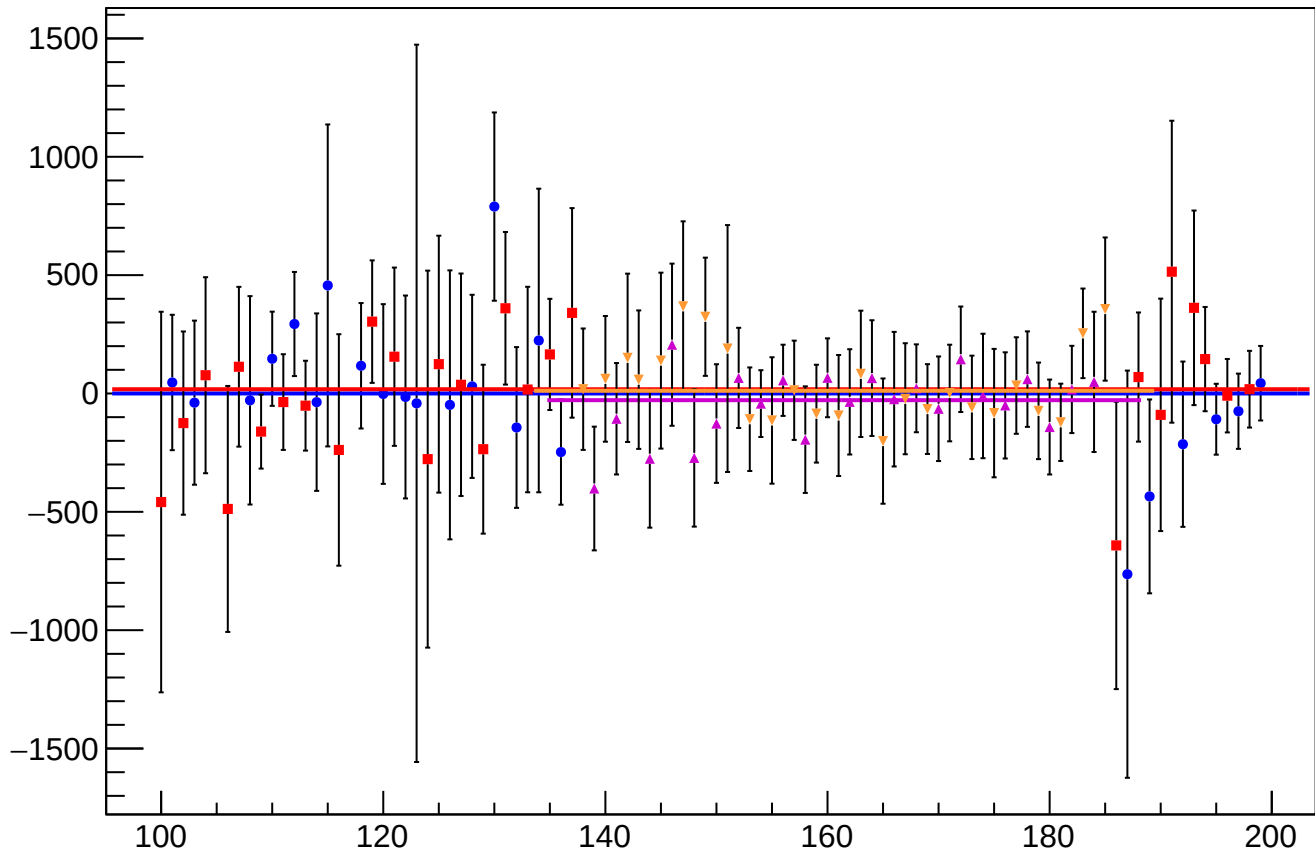
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 188.741 $\pm$ 0.026 χ^2 /NDF: 3938911.4/47

All: 182.620 $\pm$ 0.018 χ^2 /NDF: 8374516.0/97

- sign 177.195 $\pm$ 0.024 χ^2 /NDF: 4330773.0/49

asym_bcm_an_ds3_mean vs Slug



Right In: 0.091 ± 58.181 χ^2/NDF : 11.6/22

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 17.962 ± 55.033 χ^2/NDF : 10.3/26

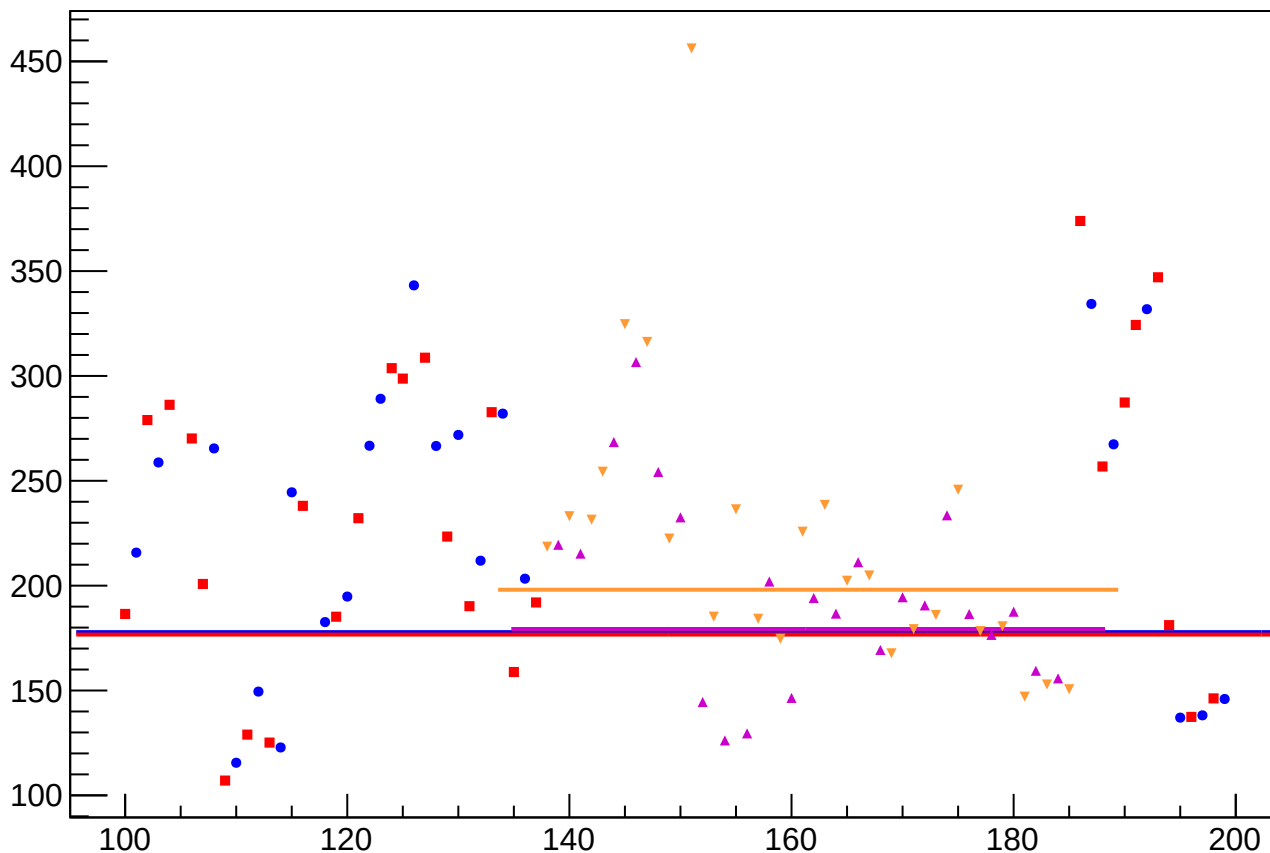
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign 6.888 ± 36.943 χ^2/NDF : 20.5/47

All: -1.970 ± 25.321 χ^2/NDF : 38.5/97

- sign -9.818 ± 34.773 χ^2/NDF : 17.9/49

asym_bcm_an_ds3_rms vs Slug



Right In: 177.835 $\pm$ 0.041 χ^2 /NDF: 2007594.4/22

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 176.680 $\pm$ 0.039 χ^2 /NDF: 2703273.1/26

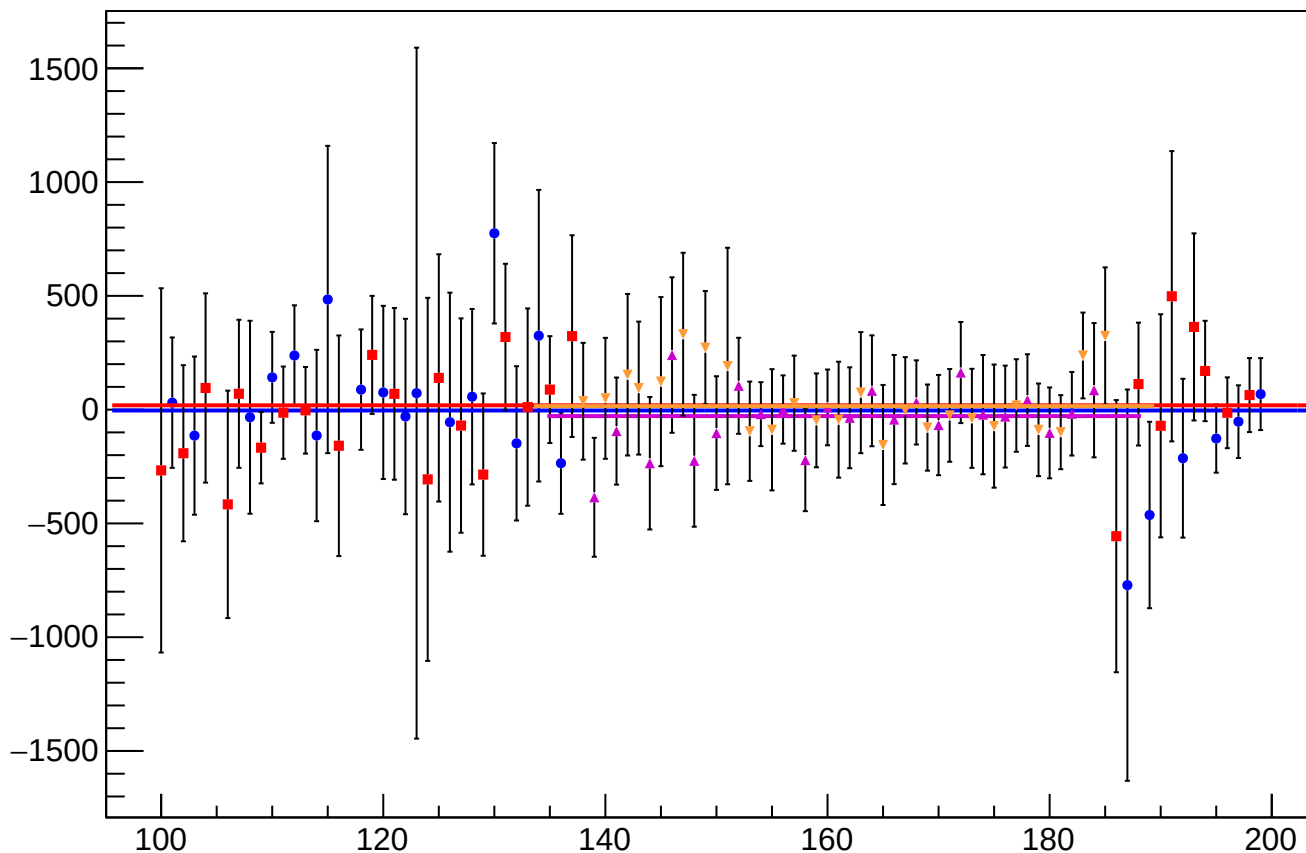
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 189.905 $\pm$ 0.026 χ^2 /NDF: 3930347.3/47

All: 183.735 $\pm$ 0.018 χ^2 /NDF: 8359886.6/97

- sign 178.268 $\pm$ 0.025 χ^2 /NDF: 4324313.2/49

asym_bcm_an_us_mean vs Slug



Right In: -3.668 ± 58.256 χ^2/NDF : 11.4/22

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 18.938 ± 55.010 χ^2/NDF : 8.9/26

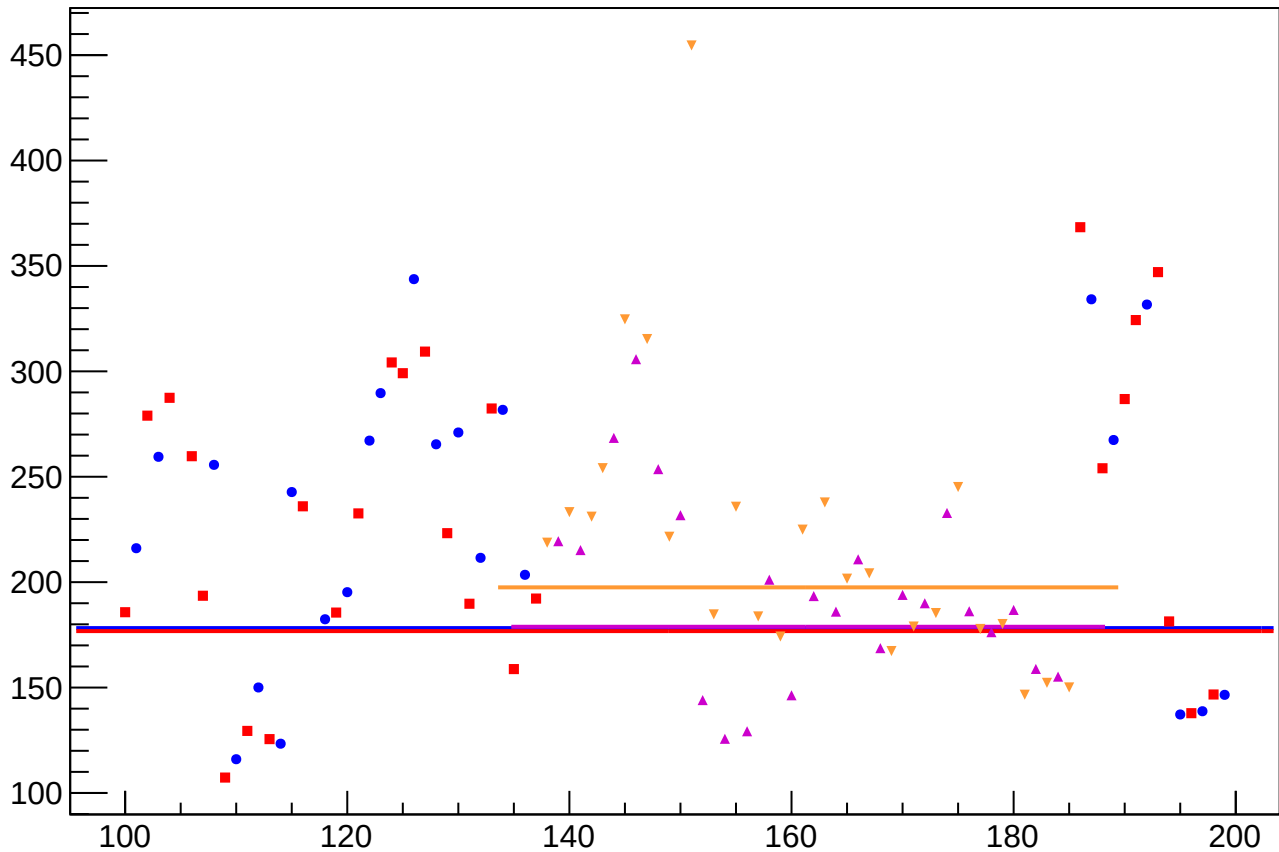
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign 7.771 ± 36.904 χ^2/NDF : 18.5/47

All: -1.381 ± 25.284 χ^2/NDF : 34.3/97

- sign -9.478 ± 34.711 χ^2/NDF : 15.7/49

asym_bcm_an_us_rms vs Slug



Right In: 178.208 $\pm$ 0.041 χ^2 /NDF: 1976711.6/22

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF: 1784225.5/24

Right Out: 176.783 $\pm$ 0.039 χ^2 /NDF: 2659617.0/26

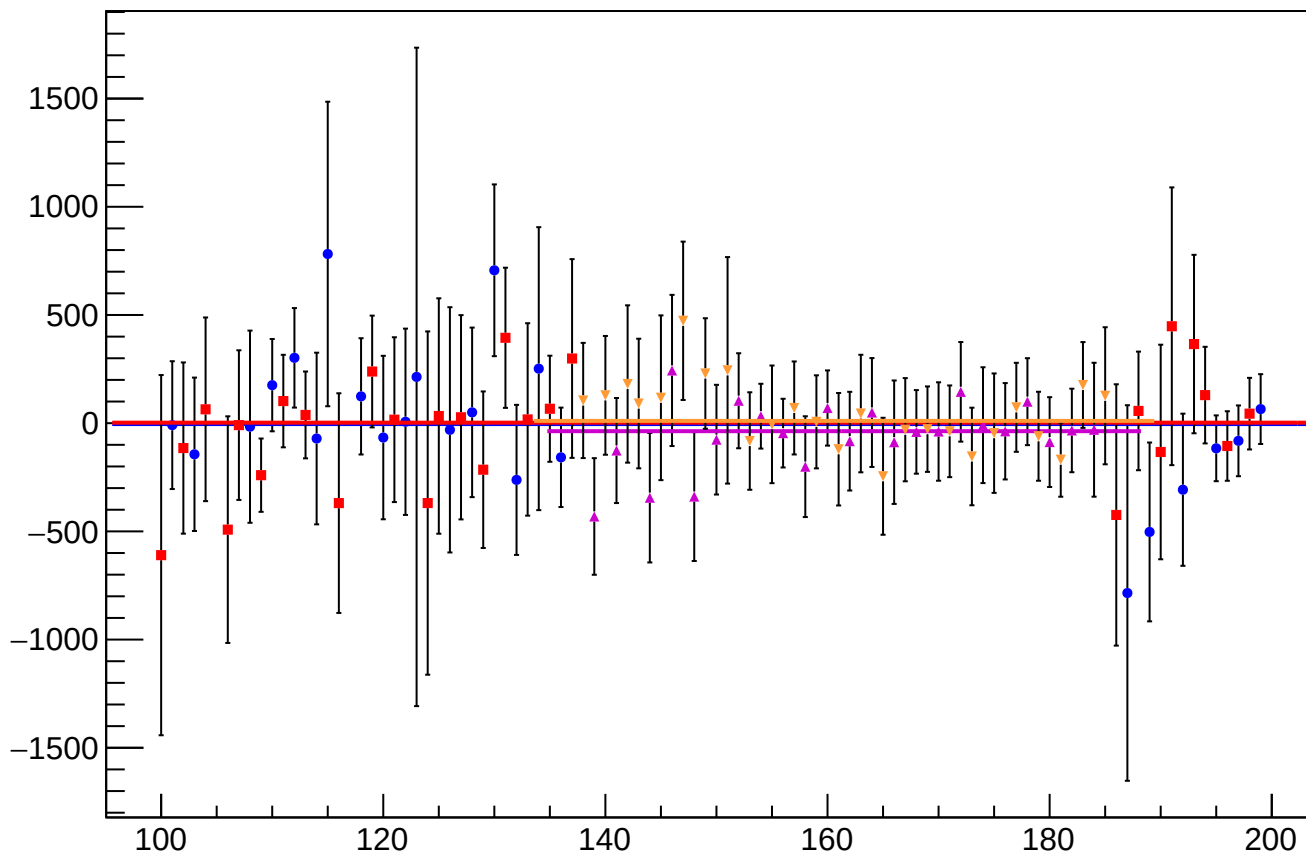
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF: 1622266.9/22

+ sign 189.775 $\pm$ 0.026 χ^2 /NDF: 3892621.6/47

All: 183.537 $\pm$ 0.018 χ^2 /NDF: 8283867.9/97

- sign 178.019 $\pm$ 0.025 χ^2 /NDF: 4283559.3/49

asym_bcm_dg_us_mean vs Slug



Right In: -4.109 ± 59.718 χ^2/NDF : 12.5/22

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 2.358 ± 56.829 χ^2/NDF : 10.5/26

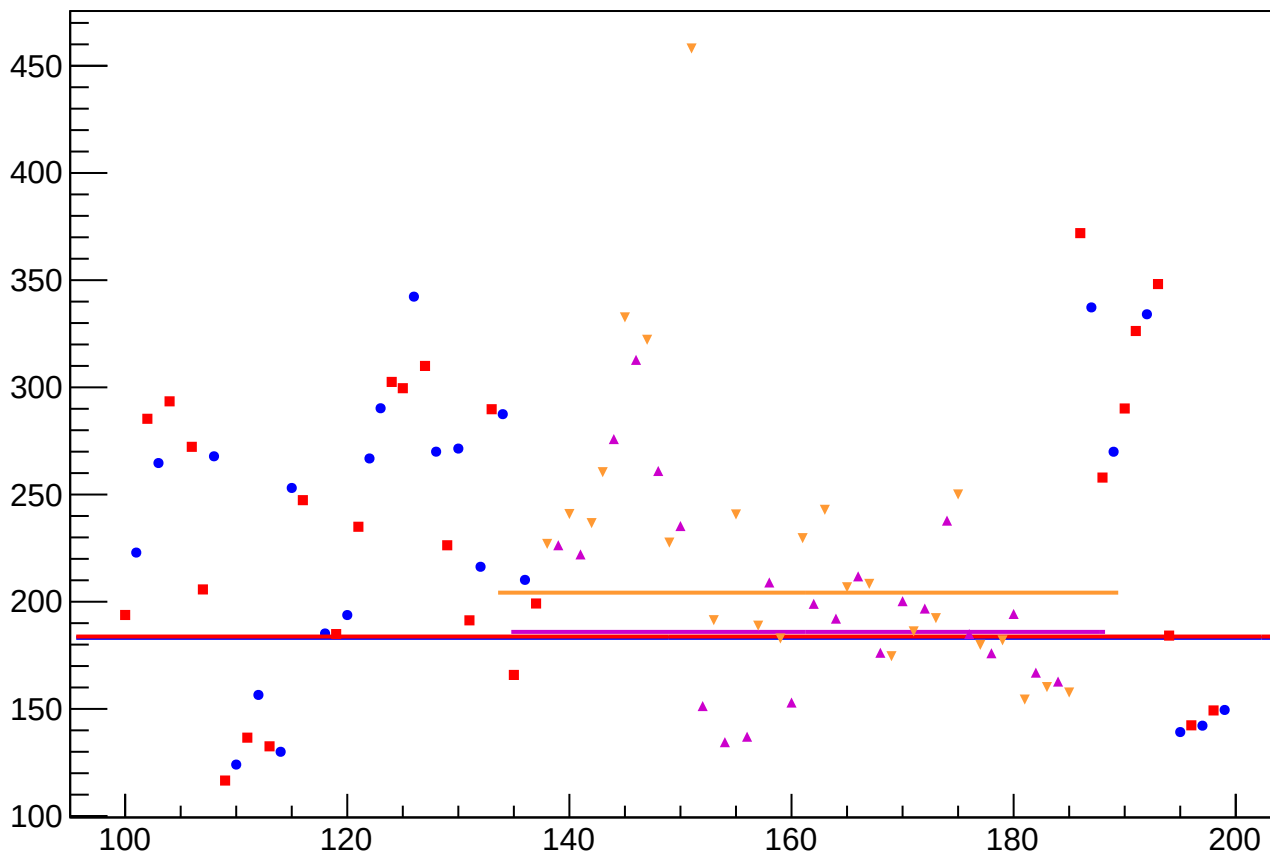
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign 4.614 ± 37.971 χ^2/NDF : 20.0/47

All: -9.048 ± 26.095 χ^2/NDF : 38.9/97

- sign -21.274 ± 35.922 χ^2/NDF : 18.6/49

asym_bcm_dg_us_rms vs Slug



Right In: 183.150 $\pm$ 0.042 χ^2 /NDF: 1889922.3/22

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 183.761 $\pm$ 0.040 χ^2 /NDF: 2444451.0/26

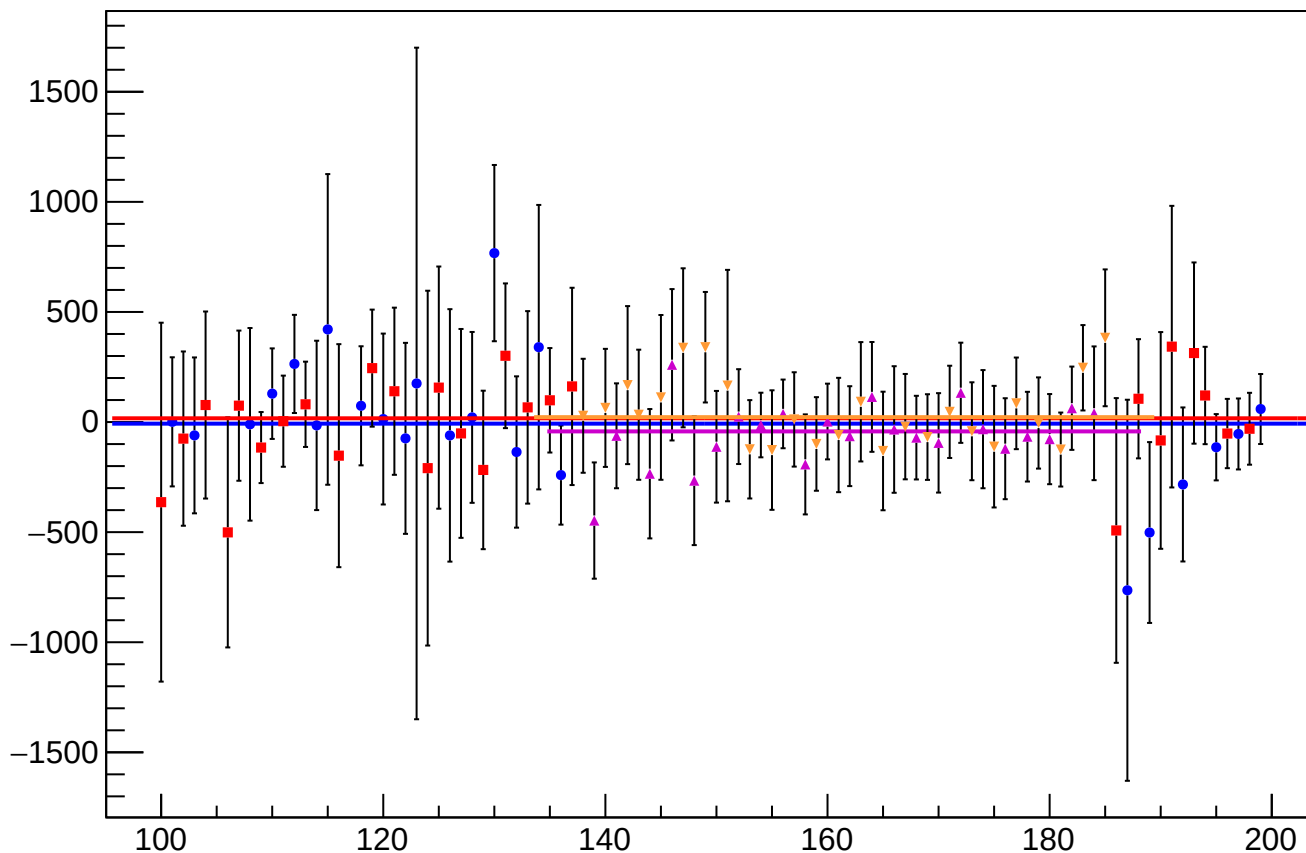
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 195.711 $\pm$ 0.027 χ^2 /NDF: 3714129.4/47

All: 190.092 $\pm$ 0.018 χ^2 /NDF: 7703375.8/97

- sign 185.064 $\pm$ 0.025 χ^2 /NDF: 3906268.3/49

asym_bcm_dg_ds_mean vs Slug



Right In: -7.246 ± 58.967 χ^2/NDF : 11.3/22

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 17.034 ± 55.846 χ^2/NDF : 6.8/26

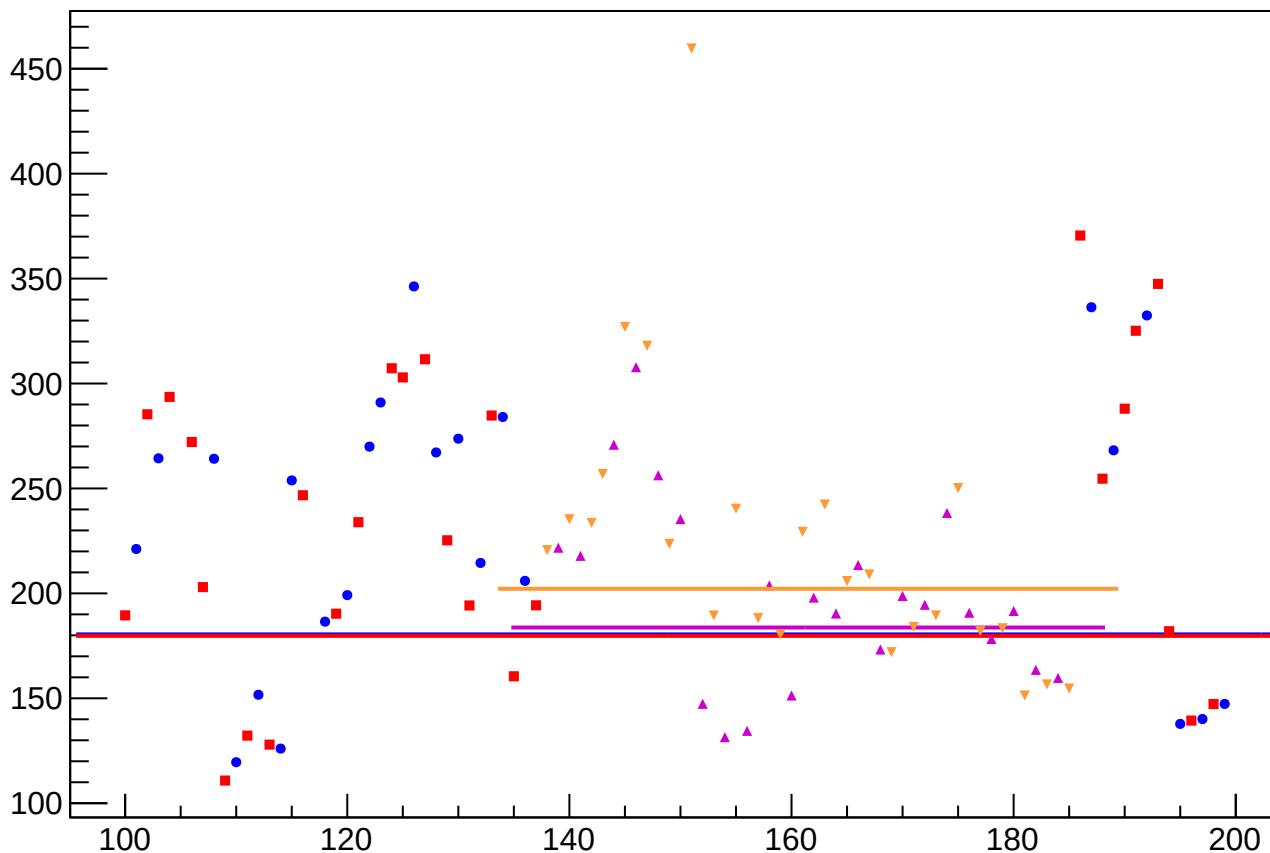
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign 10.242 ± 37.567 χ^2/NDF : 19.8/47

All: -4.960 ± 25.780 χ^2/NDF : 34.3/97

- sign -18.490 ± 35.442 χ^2/NDF : 14.2/49

asym_bcm_dg_ds_rms vs Slug



Right In: 180.446 $\pm$ 0.042 χ^2 /NDF: 1974636.6/22

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF: 1696571.9/24

Right Out: 179.752 $\pm$ 0.039 χ^2 /NDF: 2620394.3/26

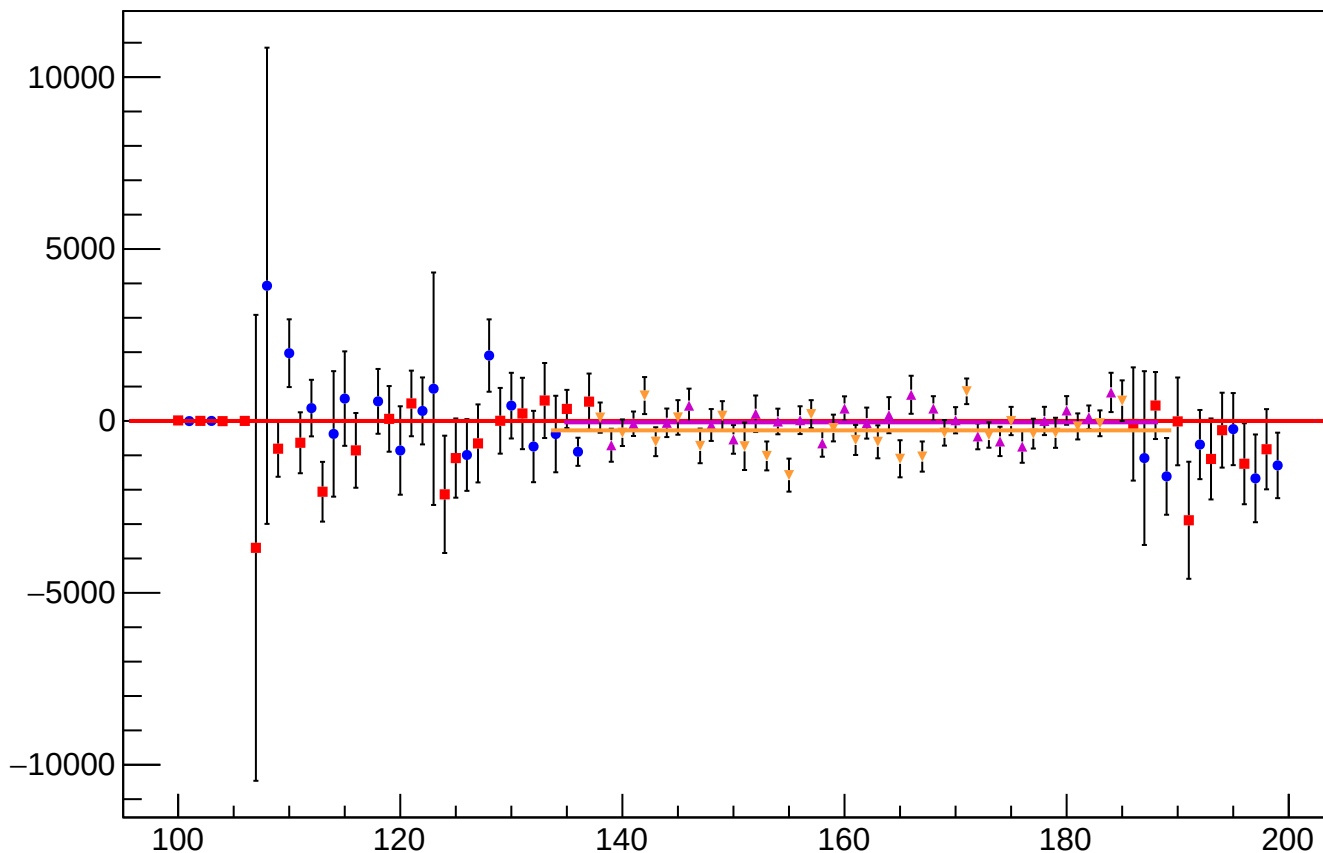
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF: 1495930.4/22

+ sign 193.362 $\pm$ 0.027 χ^2 /NDF: 3832726.6/47

All: 187.419 $\pm$ 0.018 χ^2 /NDF: 8049725.7/97

- sign 182.129 $\pm$ 0.025 χ^2 /NDF: 4122391.3/49

asym_cav4bQ_mean vs Slug



Right In: -1.553 ± 2.251 χ^2/NDF : 23.2/22

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.745 ± 2.111 χ^2/NDF : 23.9/26

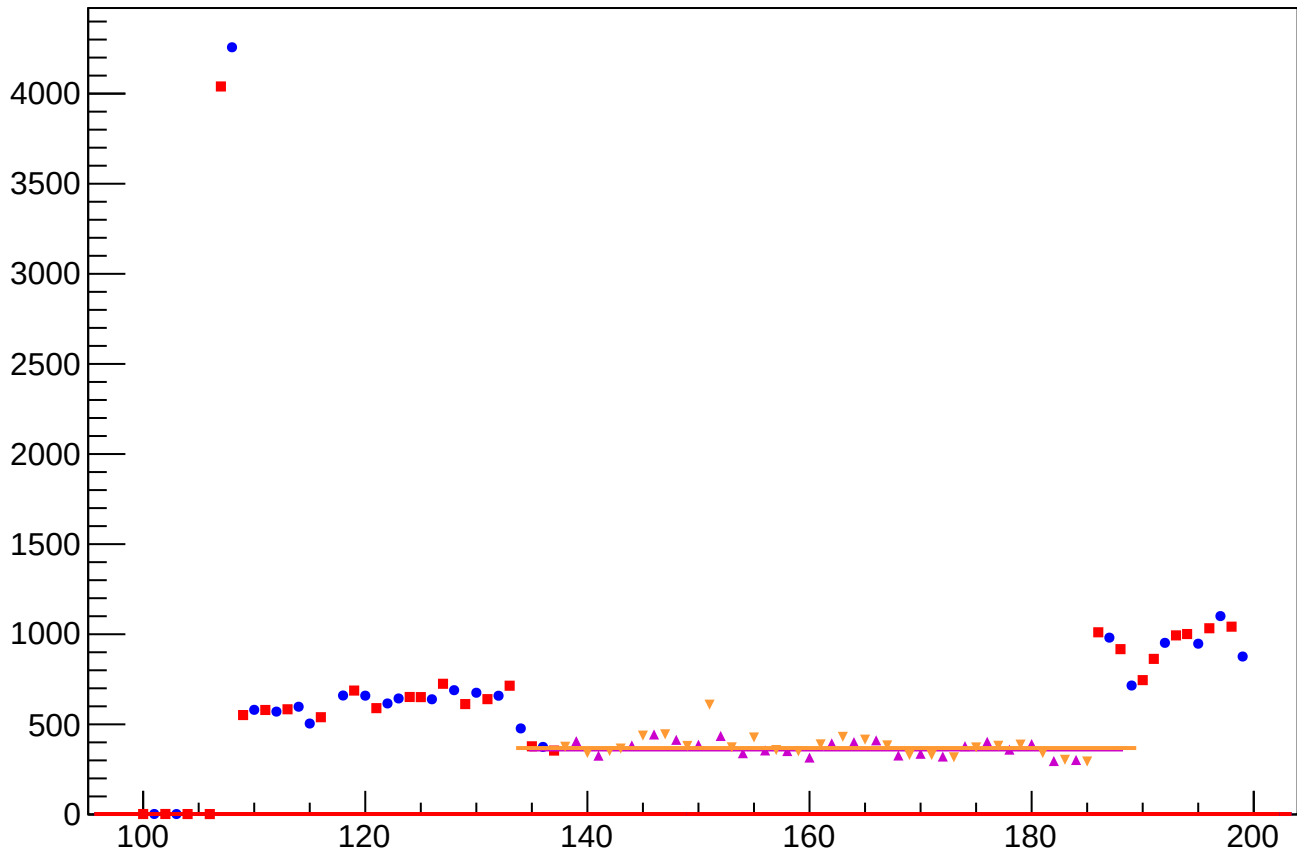
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.736 ± 2.251 χ^2/NDF : 71.4/47

All: -1.221 ± 1.540 χ^2/NDF : 115.7/97

- sign -0.768 ± 2.110 χ^2/NDF : 44.2/49

asym_cav4bQ_rms vs Slug



Right In: 2.477 $\pm$ 0.002 χ^2 /NDF: 18356247.7/22

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.459 $\pm$ 0.001 χ^2 /NDF: 21015555.1/26

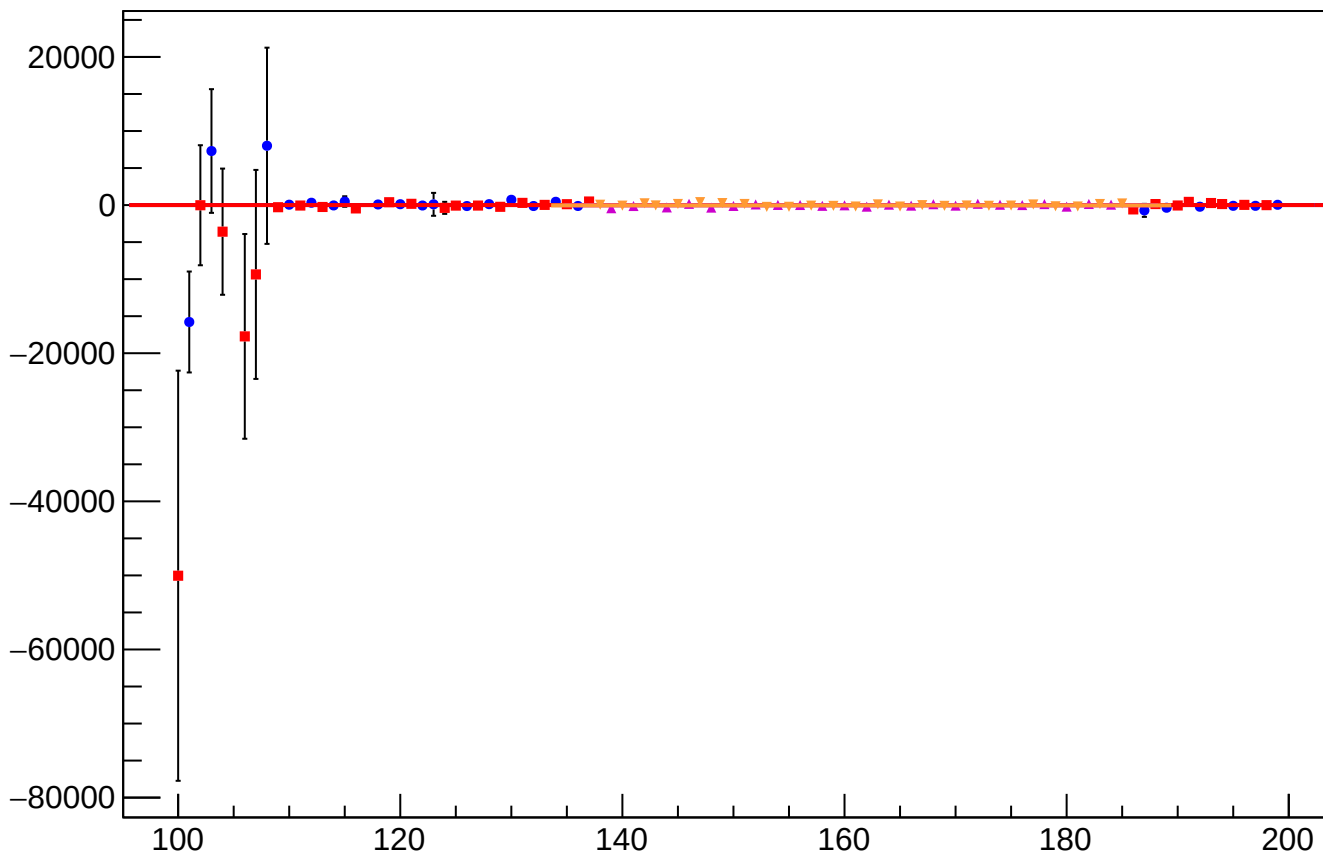
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.723 $\pm$ 0.002 χ^2 /NDF: 54462461.9/47

All: 2.694 $\pm$ 0.001 χ^2 /NDF: 109404655.3/97

- sign 2.668 $\pm$ 0.001 χ^2 /NDF: 54941564.1/49

asym_cav4cQ_mean vs Slug



Right In: 7.078+/-65.318 χ^2 /NDF: 15.7/22

Left Out: -39.036+/-49.576 χ^2 /NDF: 9.1/24

Right Out: 1.165+/-63.410 χ^2 /NDF: 16.8/26

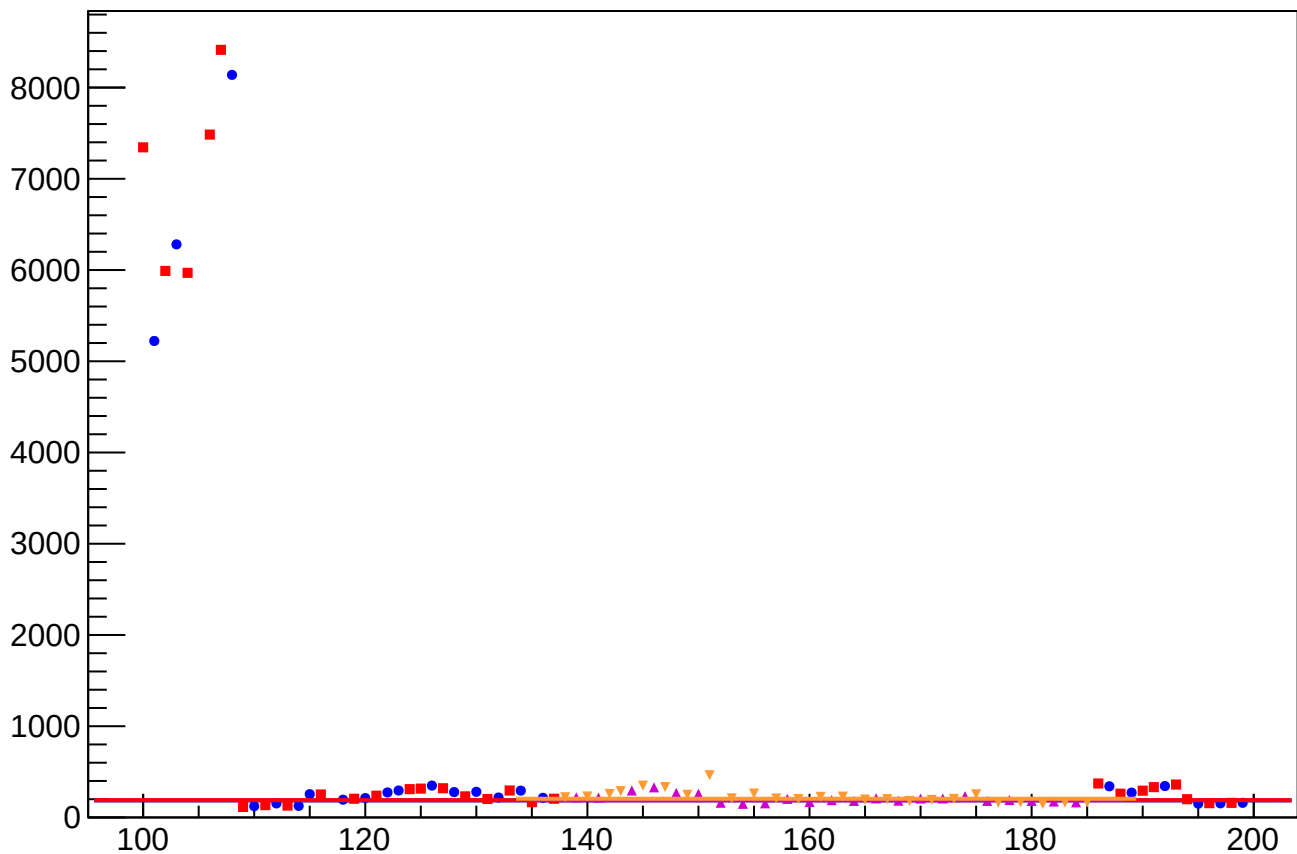
Left In: -28.062+/-48.032 χ^2 /NDF: 9.6/22

+ sign -22.180+/-39.490 χ^2 /NDF: 25.1/47

All: -19.719+/-27.489 χ^2 /NDF: 51.6/97

- sign -17.406+/-38.288 χ^2 /NDF: 26.5/49

asym_cav4cQ_rms vs Slug



Right In: 186.689 $\pm$ 0.046 χ^2 /NDF: 4455553.7/22

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF:1957484.4/24

Right Out: 189.241 $\pm$ 0.045 χ^2 /NDF: 5288868.1/26

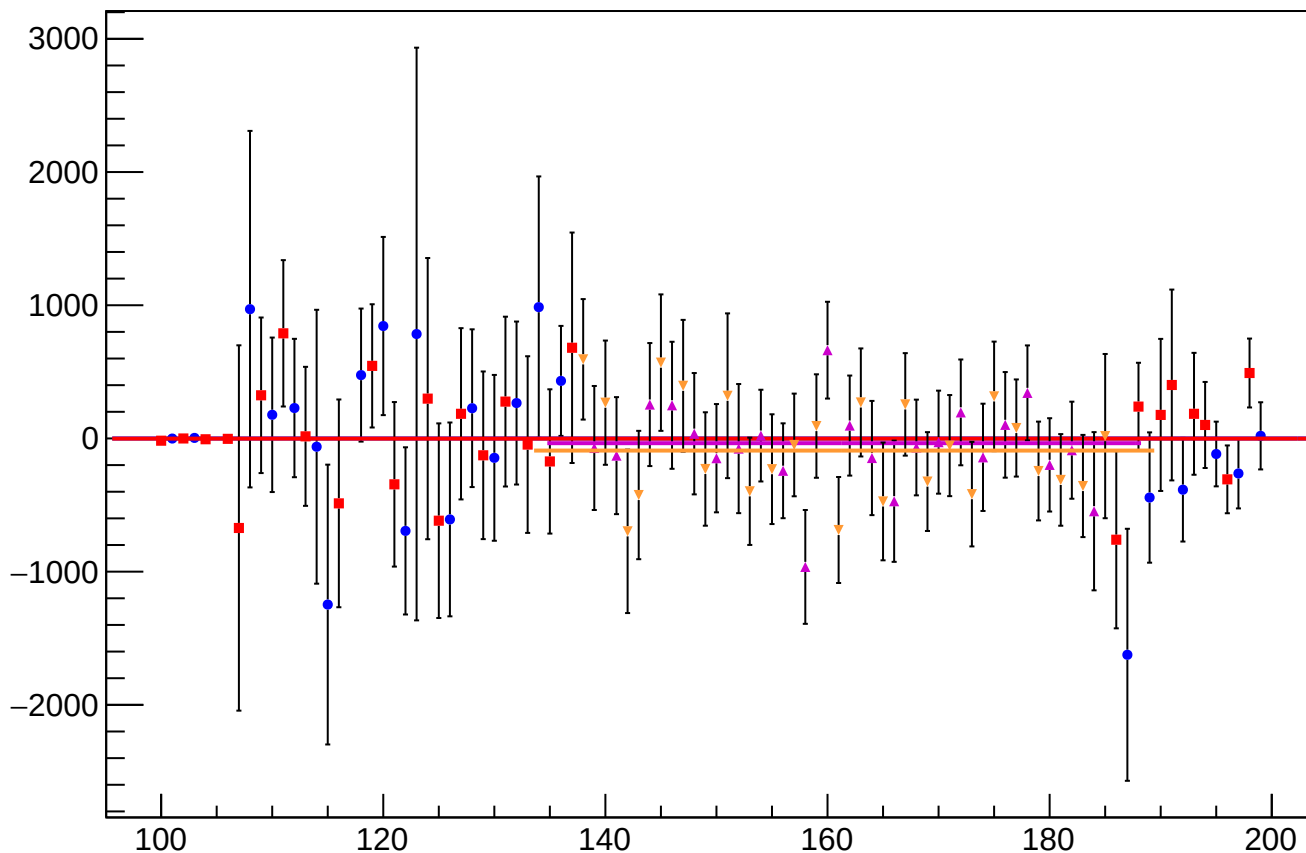
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 198.379 $\pm$ 0.028 χ^2 /NDF: 6514011.8/47

All: 195.102 $\pm$ 0.019 χ^2 /NDF: 13015127.8/97

- sign 192.021 $\pm$ 0.027 χ^2 /NDF: 6474390.1/49

asym_cav4dQ_mean vs Slug



Right In: -0.176 ± 1.736 χ^2/NDF : 16.1/22

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.306 ± 1.622 χ^2/NDF : 16.9/26

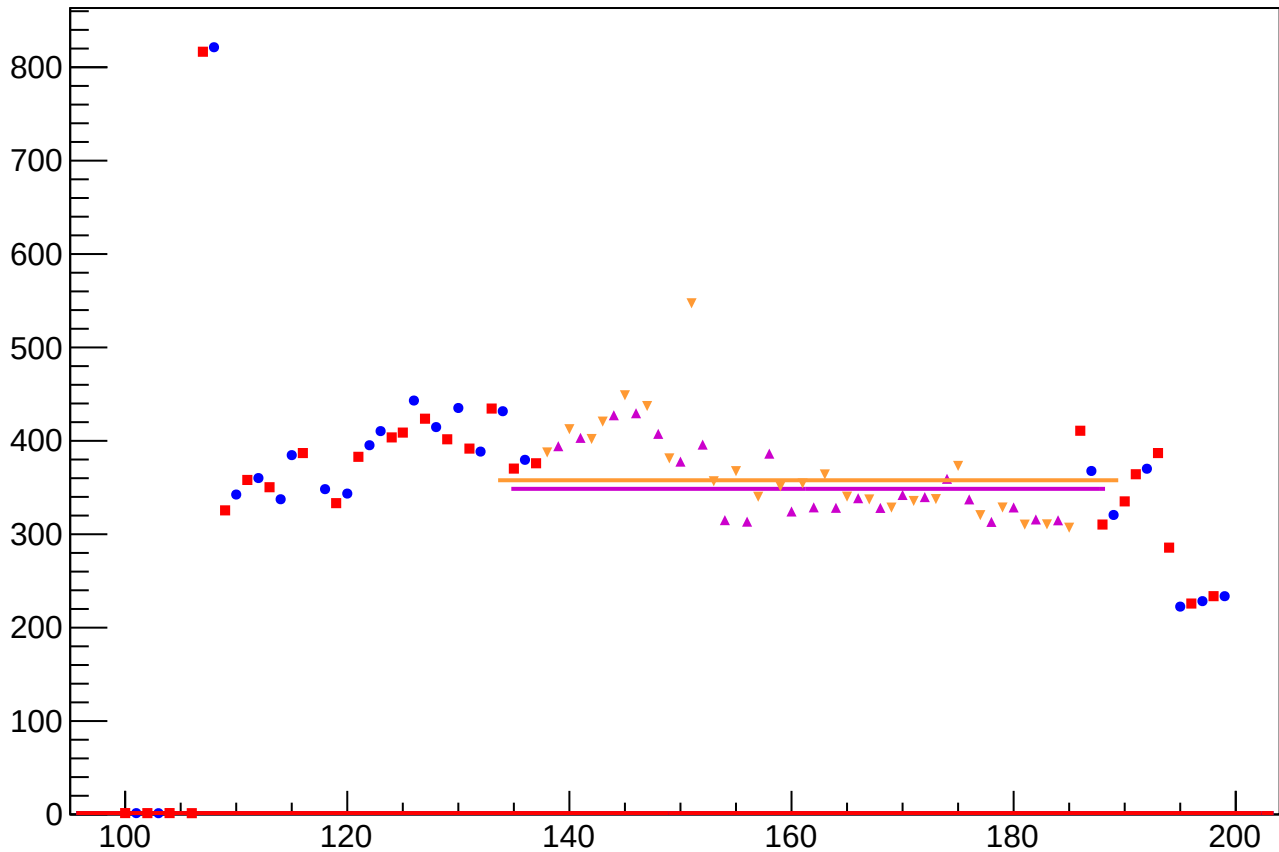
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.215 ± 1.736 χ^2/NDF : 33.7/47

All: -0.804 ± 1.185 χ^2/NDF : 64.4/97

- sign -1.319 ± 1.622 χ^2/NDF : 30.5/49

asym_cav4dQ_rms vs Slug



Right In: 1.497 $\pm$ 0.001 χ^2 /NDF: 18567307.9/22

Left Out: 357.804 $\pm$ 0.059 χ^2 /NDF: 547036.5/24

Right Out: 1.496 $\pm$ 0.001 χ^2 /NDF: 20682526.5/26

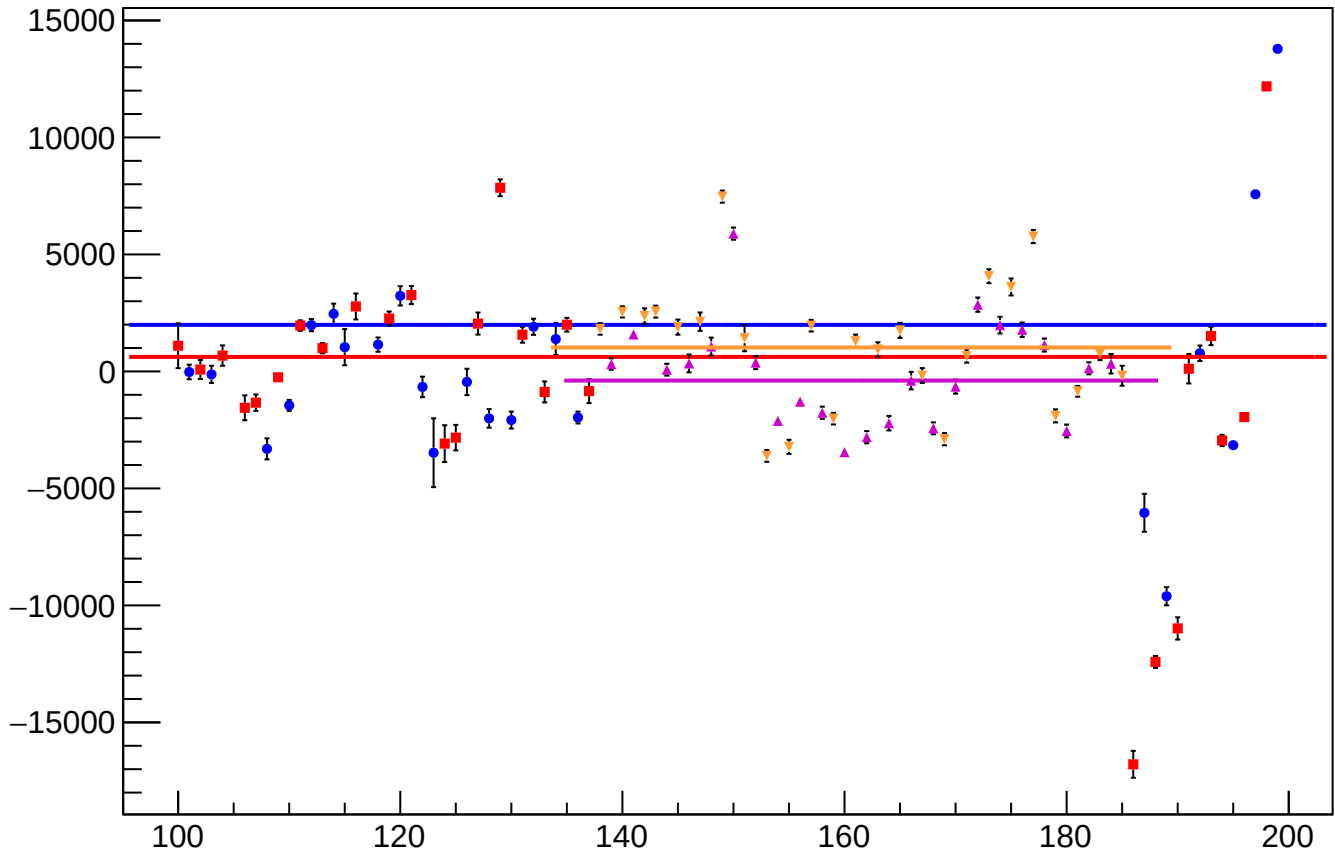
Left In: 348.611 $\pm$ 0.060 χ^2 /NDF: 362511.2/22

+ sign 1.649 $\pm$ 0.001 χ^2 /NDF: 55016767.8/47

All: 1.636 $\pm$ 0.001 χ^2 /NDF: 109892944.7/97

- sign 1.624 $\pm$ 0.001 χ^2 /NDF: 54875959.1/49

asym_bcm0l02_mean vs Slug



Right In: 1989.096 $\pm$ 64.857 χ^2 /NDF: 8092.9/22

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF: 2309.4/24

Right Out: 620.169 $\pm$ 60.535 χ^2 /NDF: 9441.2/26

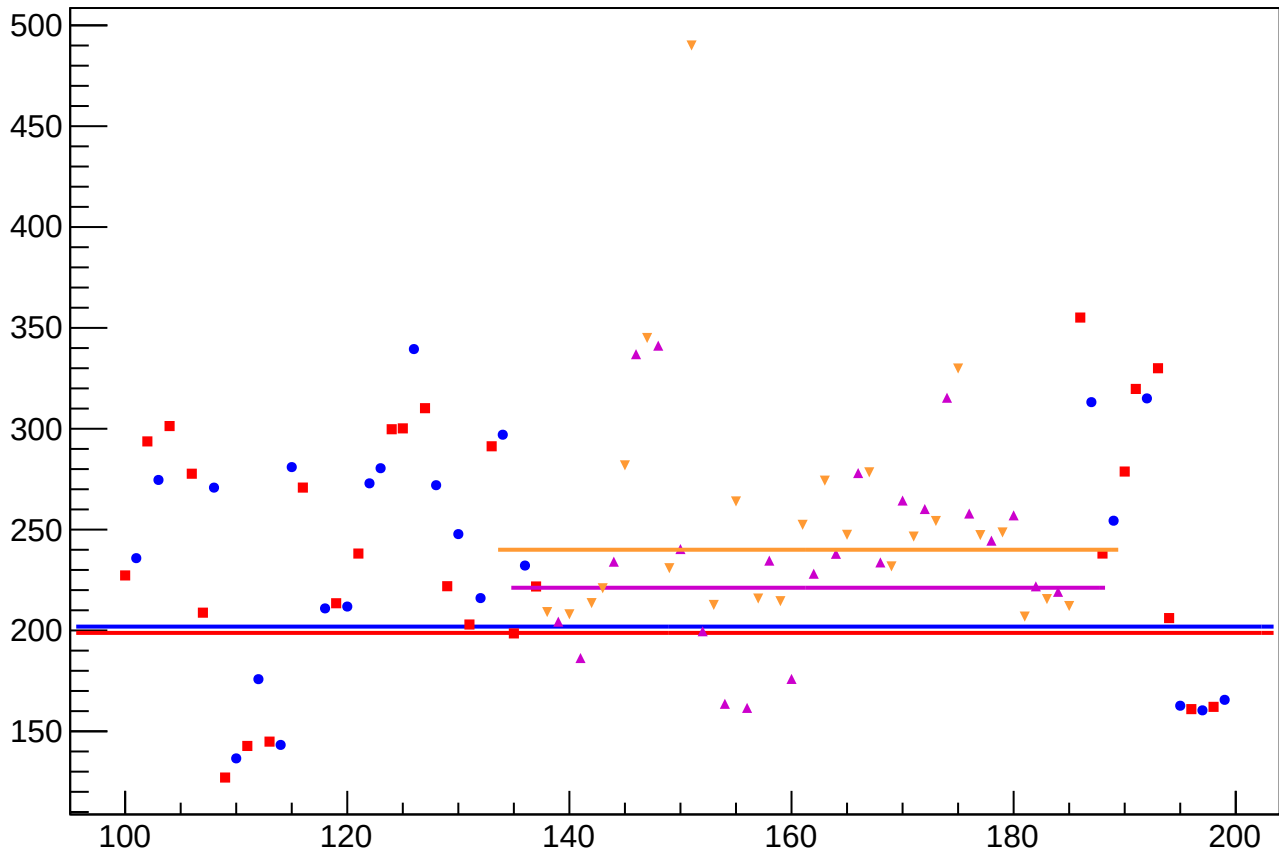
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF: 1584.9/22

+ sign 1447.071 $\pm$ 42.958 χ^2 /NDF: 10526.7/47

All: 718.966 $\pm$ 29.537 χ^2 /NDF: 22250.5/97

- sign 66.044 $\pm$ 40.679 χ^2 /NDF: 11178.9/49

asym_bcm0l02_rms vs Slug



Right In: 201.910 $\pm$ 0.046 χ^2 /NDF: 1315734.1/22

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 198.790 $\pm$ 0.043 χ^2 /NDF: 1915053.8/26

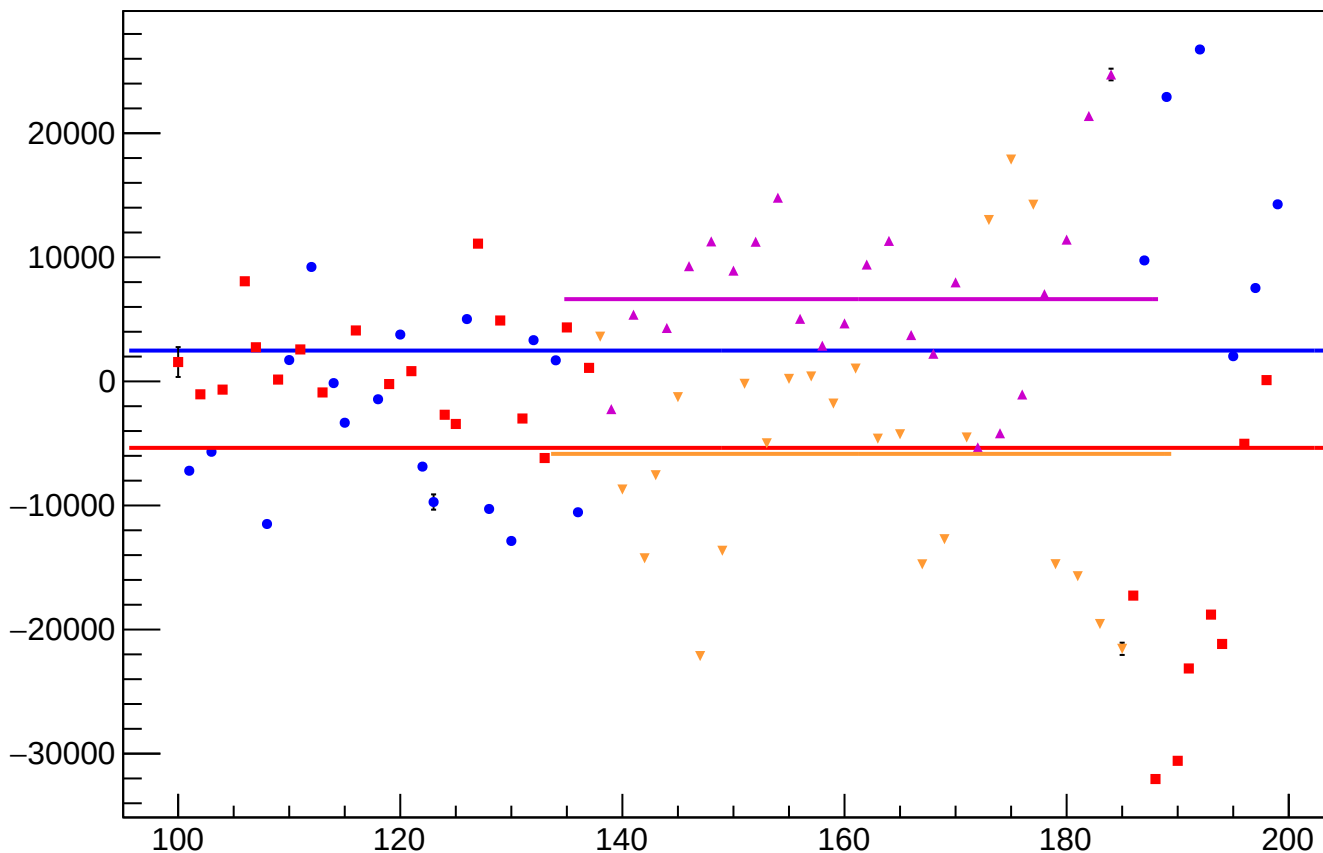
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 223.301 $\pm$ 0.030 χ^2 /NDF: 2705754.0/47

All: 216.850 $\pm$ 0.021 χ^2 /NDF: 6198825.0/97

- sign 211.065 $\pm$ 0.029 χ^2 /NDF: 3407526.9/49

asym_bpm2i01WS_mean vs Slug



Right In: 2483.982+/-40.225 χ^2/NDF : 77136.7/22

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -5357.376+/-37.268 χ^2/NDF : 101009.4/26

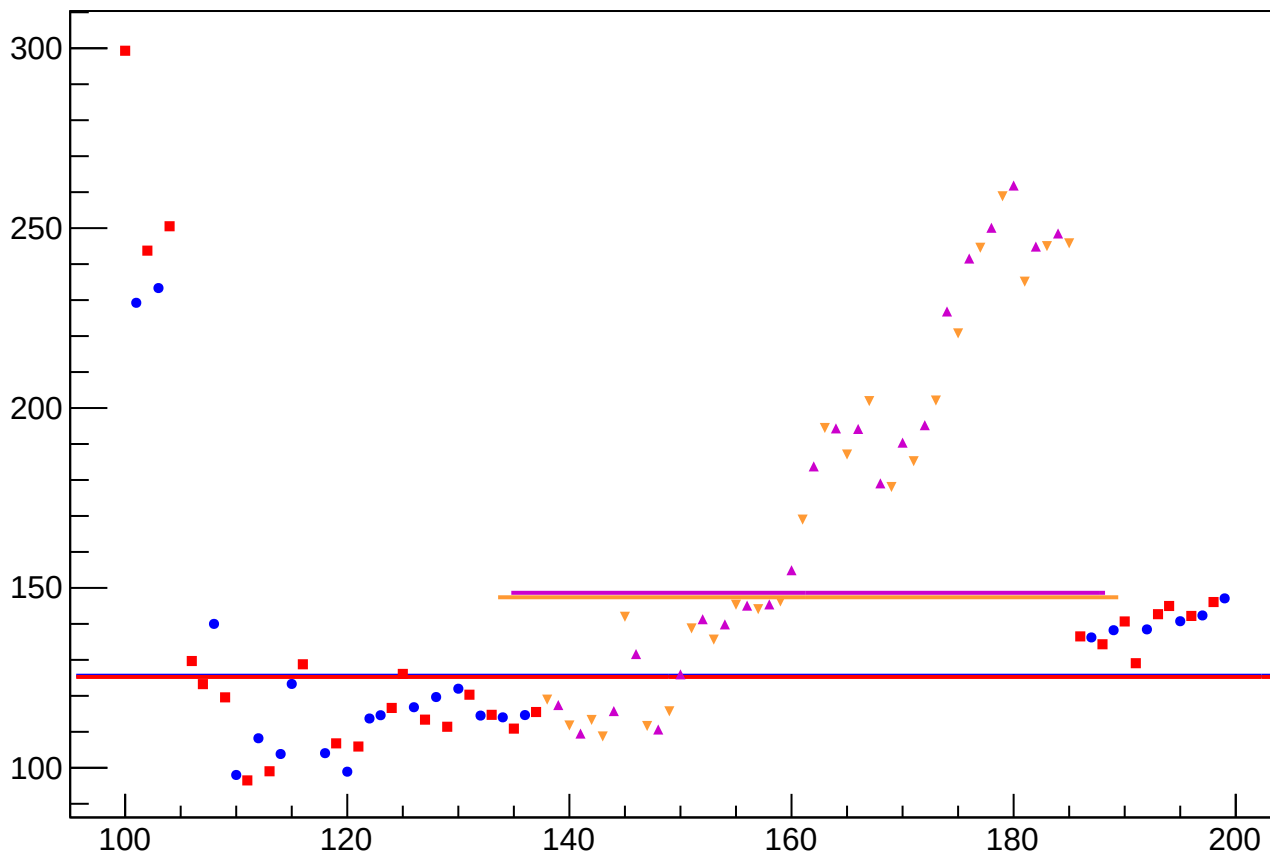
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -2156.288+/-26.762 χ^2/NDF : 164410.5/47

All: -728.000+/-18.763 χ^2/NDF : 344626.6/97

- sign 652.848+/-26.314 χ^2/NDF : 174614.1/49

asym_bpm2i01WS_rms vs Slug



Right In: 125.598 $\pm$ 0.028 χ^2 /NDF: 783626.0/22

Left Out: 147.396 $\pm$ 0.025 χ^2 /NDF: 2517097.1/24

Right Out: 125.254 $\pm$ 0.026 χ^2 /NDF: 884415.3/26

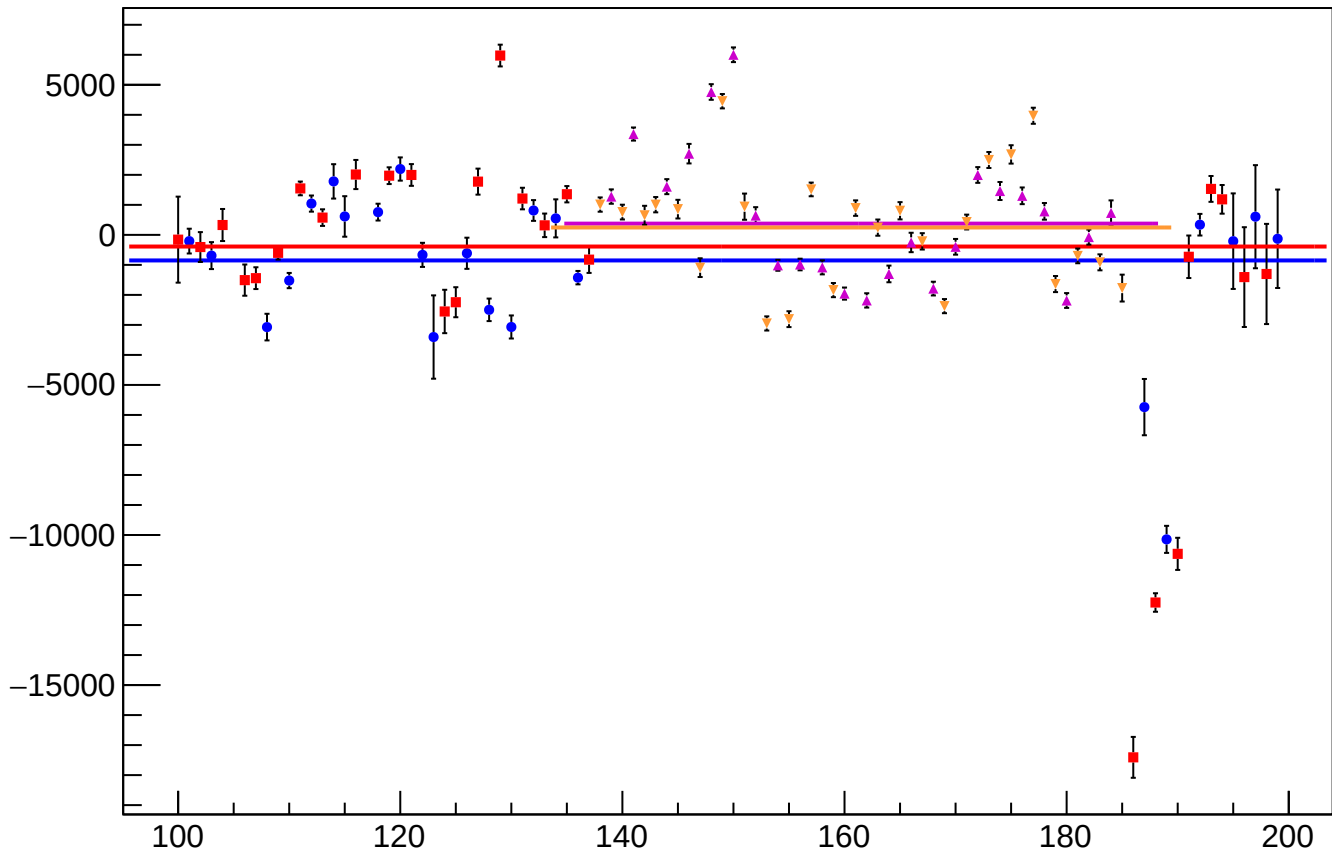
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF: 2415531.9/22

+ sign 137.747 $\pm$ 0.019 χ^2 /NDF: 3628068.7/47

All: 137.358 $\pm$ 0.013 χ^2 /NDF: 7323817.1/97

- sign 136.982 $\pm$ 0.019 χ^2 /NDF: 3694917.2/49

asym_bpm0i07WS_mean vs Slug



Right In: -851.814 ± 84.522 χ^2/NDF : 760.5/22

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -388.470 ± 75.286 χ^2/NDF : 3160.8/26

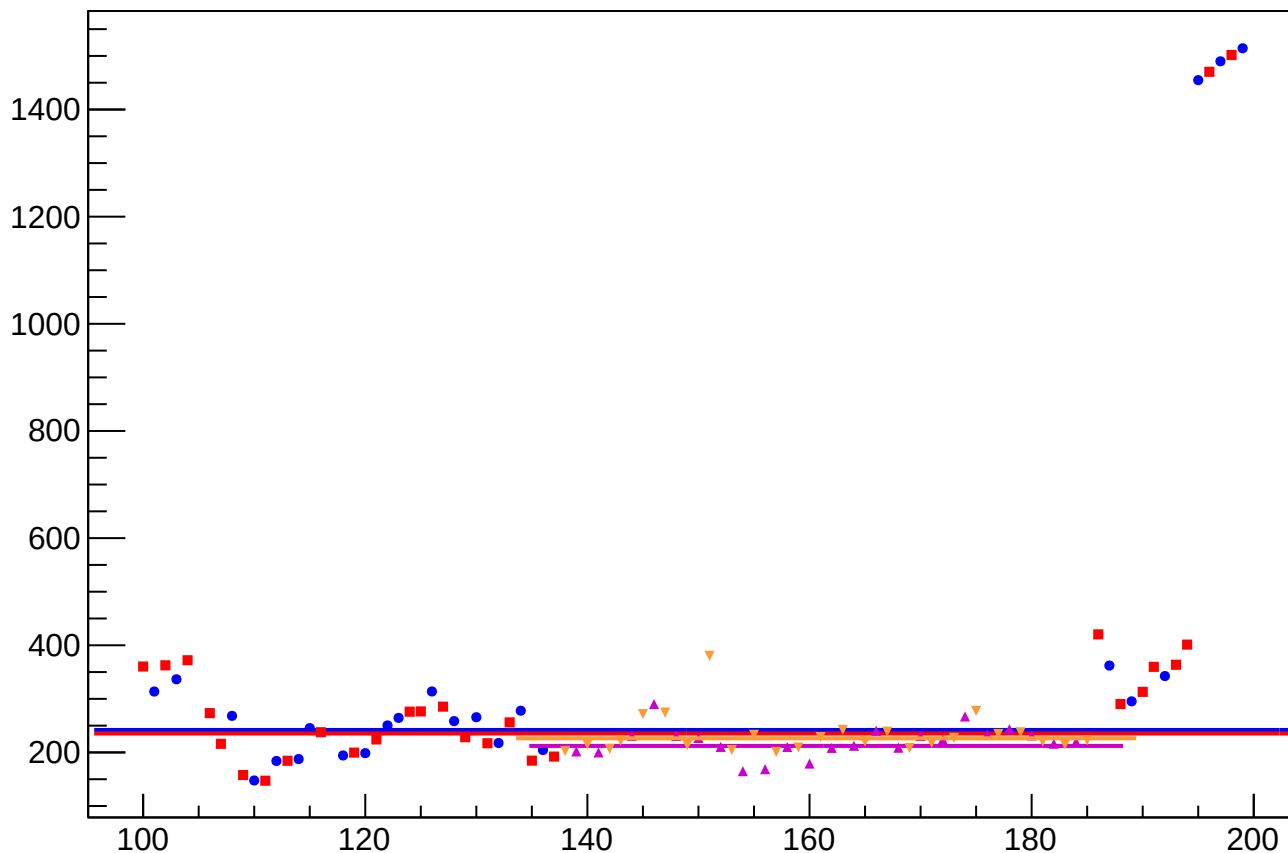
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -67.873 ± 45.200 χ^2/NDF : 2235.8/47

All: 35.962 ± 31.050 χ^2/NDF : 7274.4/97

- sign 128.741 ± 42.726 χ^2/NDF : 5028.7/49

asym_bpm0i07WS_rms vs Slug



Right In: 241.954+/-0.060 χ^2/NDF : 4386456.1/22

Left Out: 226.376+/-0.038 χ^2/NDF : 521770.1/24

Right Out: 235.292+/-0.053 χ^2/NDF : 4066615.7/26

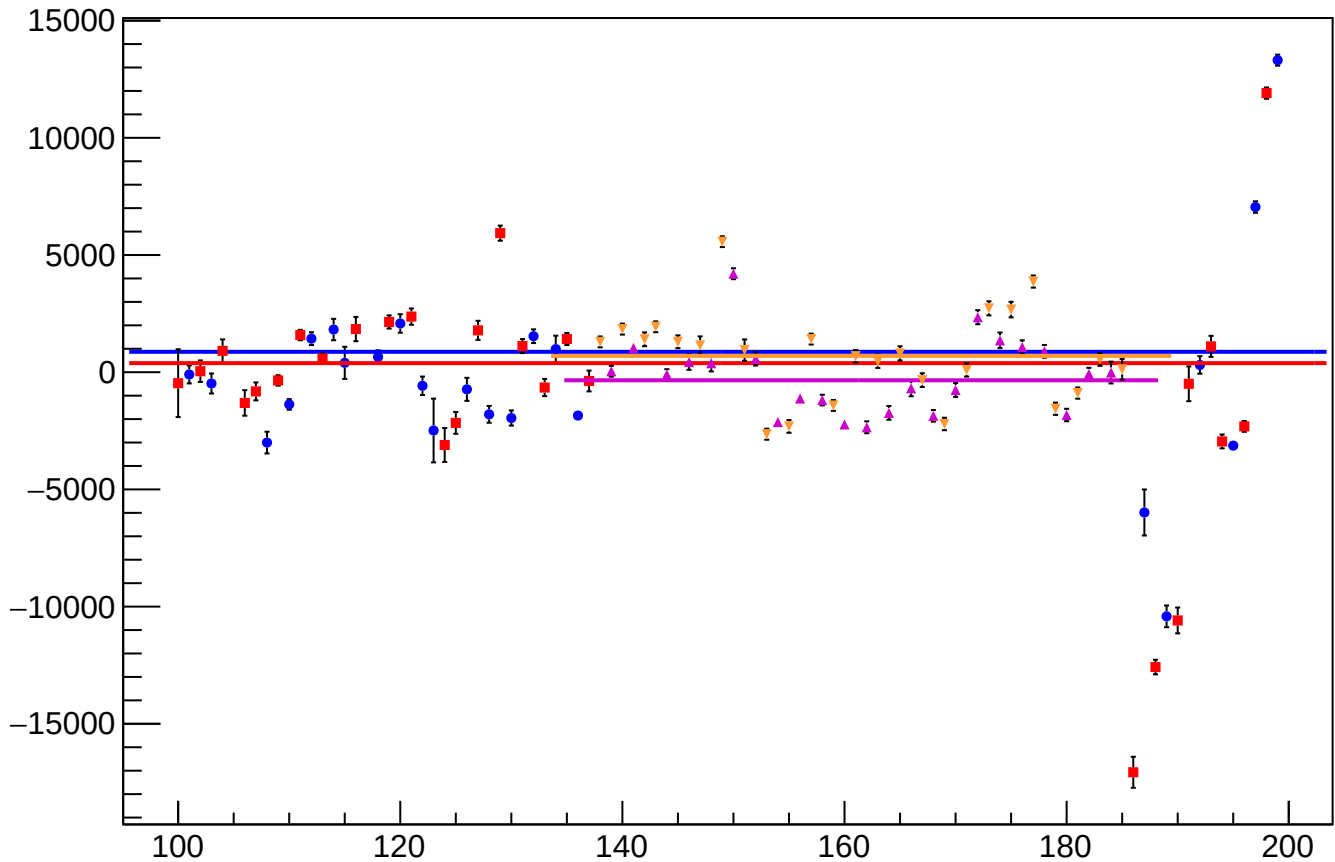
Left In: 212.145+/-0.037 χ^2/NDF : 591698.6/22

+ sign 230.831+/-0.032 χ^2/NDF : 4956738.3/47

All: 224.900+/-0.022 χ^2/NDF : 9808427.1/97

- sign 219.600+/-0.030 χ^2/NDF : 4786482.3/49

asym_bpm0l01WS_mean vs Slug



Right In: 871.076 ± 69.056 χ^2/NDF : 4952.7/22

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: 387.985 ± 65.104 χ^2/NDF : 5905.5/26

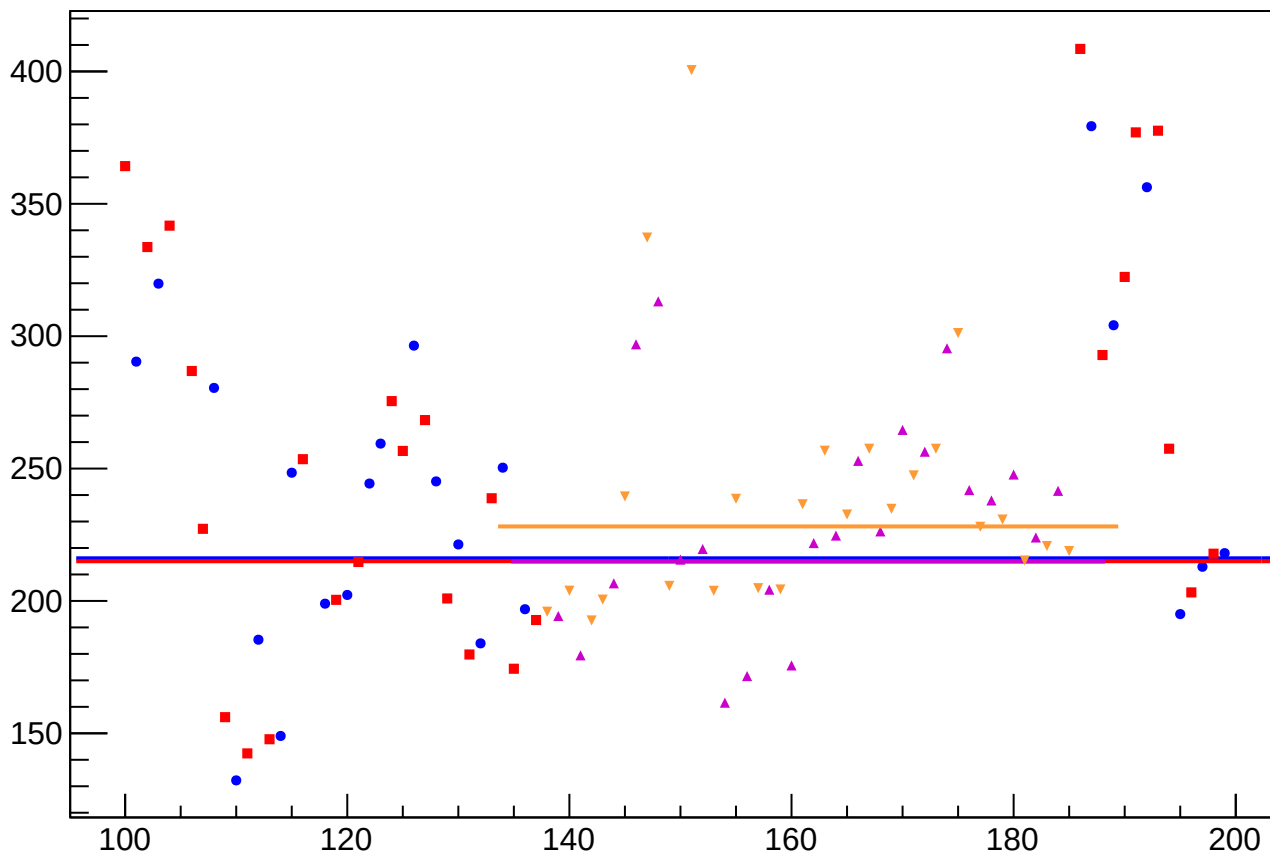
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 761.774 ± 42.659 χ^2/NDF : 6378.8/47

All: 339.093 ± 29.591 χ^2/NDF : 13534.8/97

- sign -52.896 ± 41.081 χ^2/NDF : 6966.8/49

asym_bpm0l01WS_rms vs Slug



Right In: 216.107 $\pm$ 0.049 χ^2 /NDF: 1142887.1/22

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF:828399.3/24

Right Out: 214.995 $\pm$ 0.046 χ^2 /NDF: 1813587.8/26

Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 223.550 $\pm$ 0.030 χ^2 /NDF: 2008863.8/47

All: 219.075 $\pm$ 0.021 χ^2 /NDF: 4902390.8/97

- sign 214.925 $\pm$ 0.029 χ^2 /NDF: 2851101.3/49

bcm_an_us_ds_dd_mean vs Slug



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

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

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

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

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

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

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

bcm_an_us_ds_dd_rms vs Slug



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

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

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

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

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

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

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

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

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

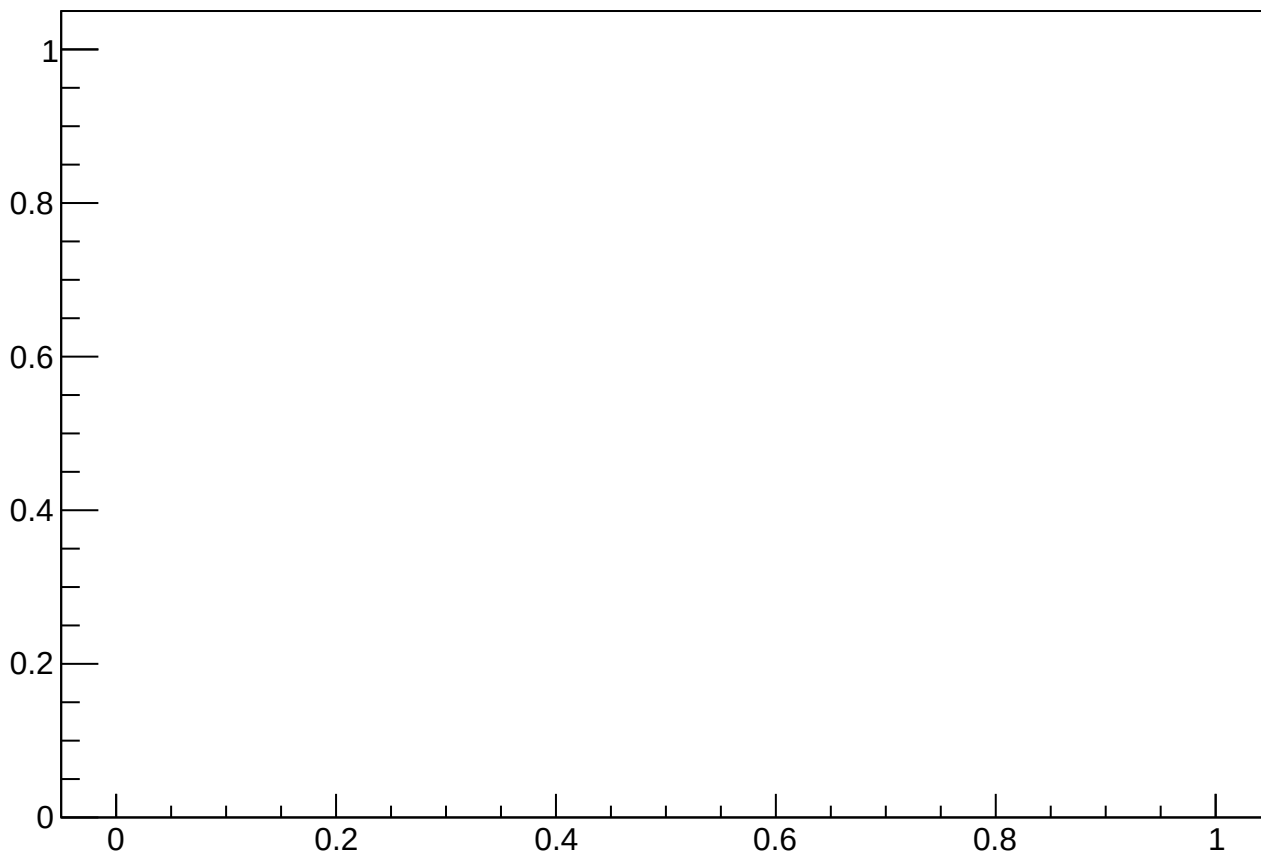
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_dg_ds_dd_rms vs Slug



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

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

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

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

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

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

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

bcm_dg_us_ds_dd_mean vs Slug



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

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

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

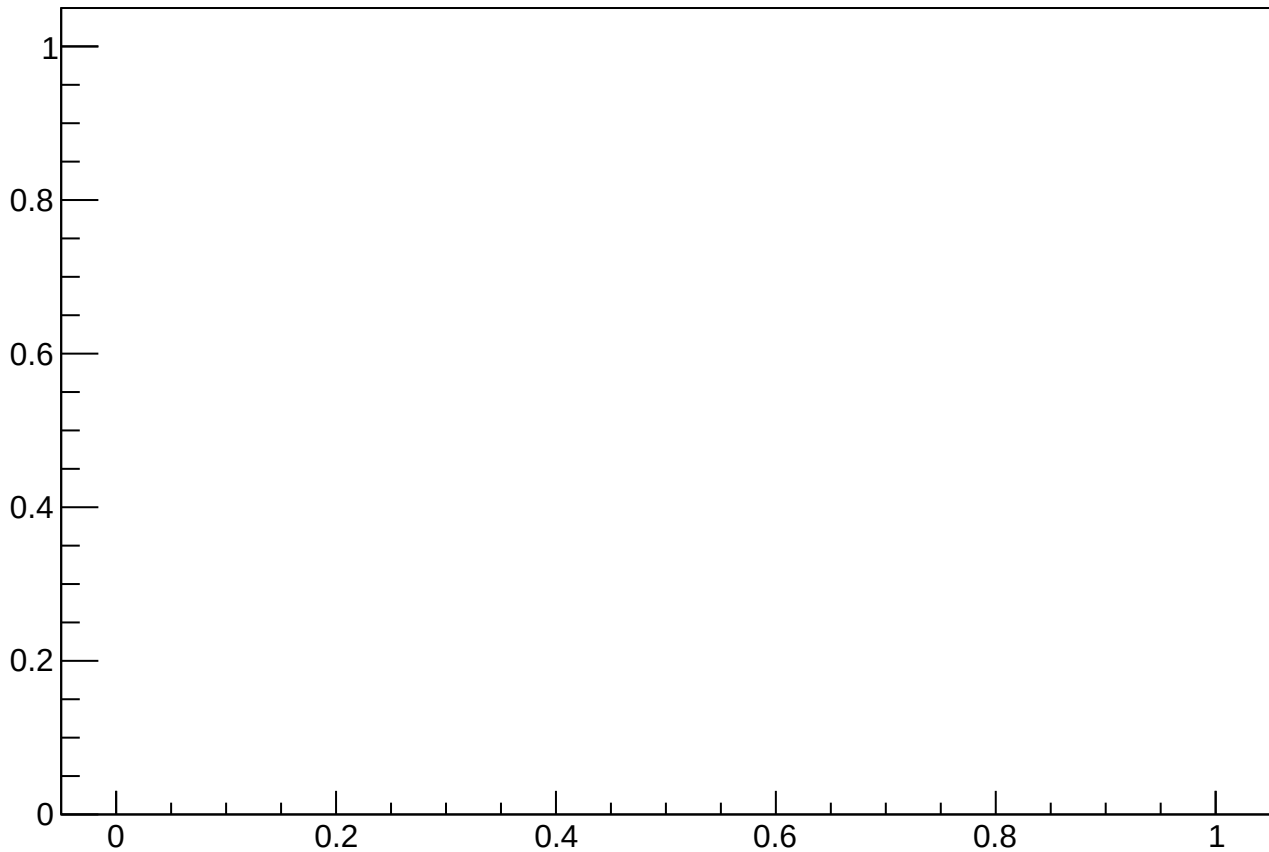
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_ds_dd_rms vs Slug



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

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

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

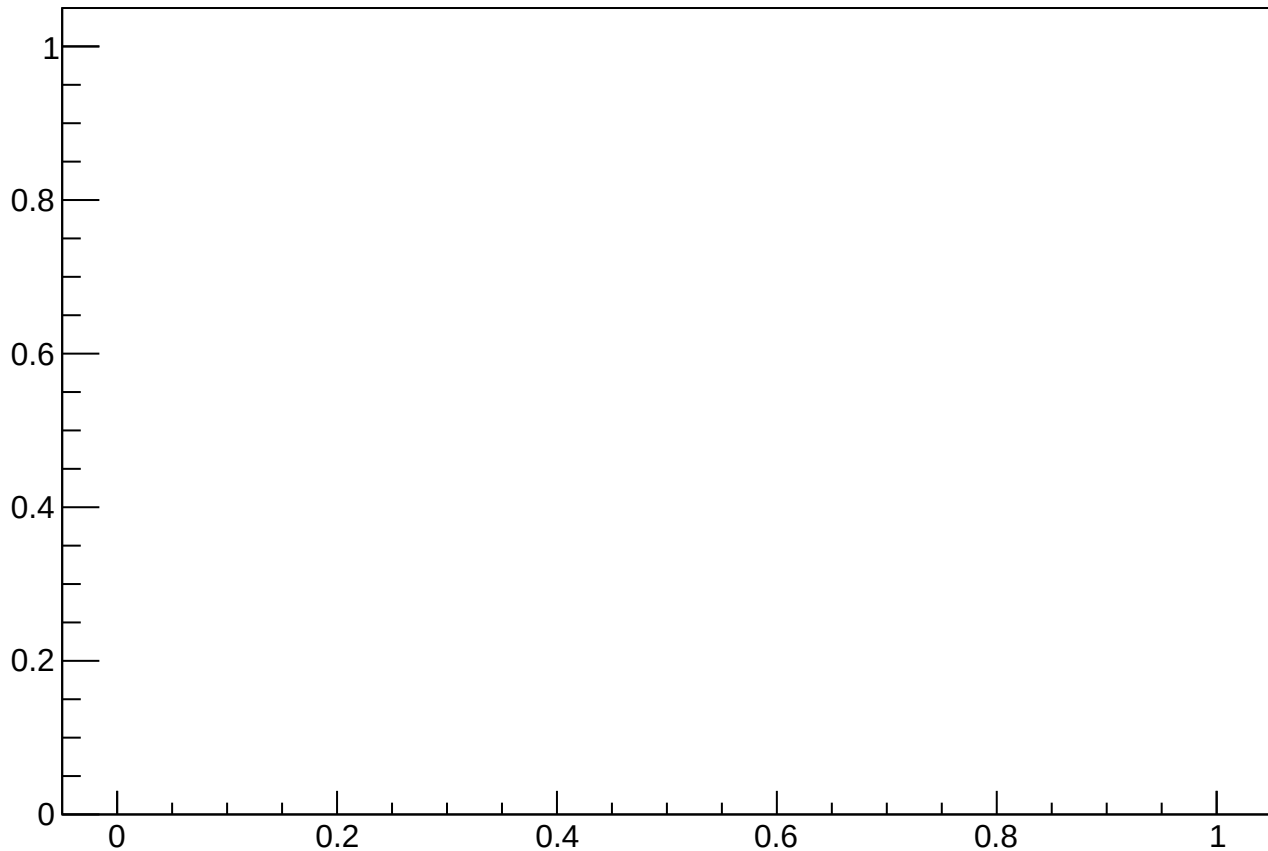
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_ds_ds_dd_mean vs Slug



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

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

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

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

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

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

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

bcm_dg_ds_ds_dd_rms vs Slug



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

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

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

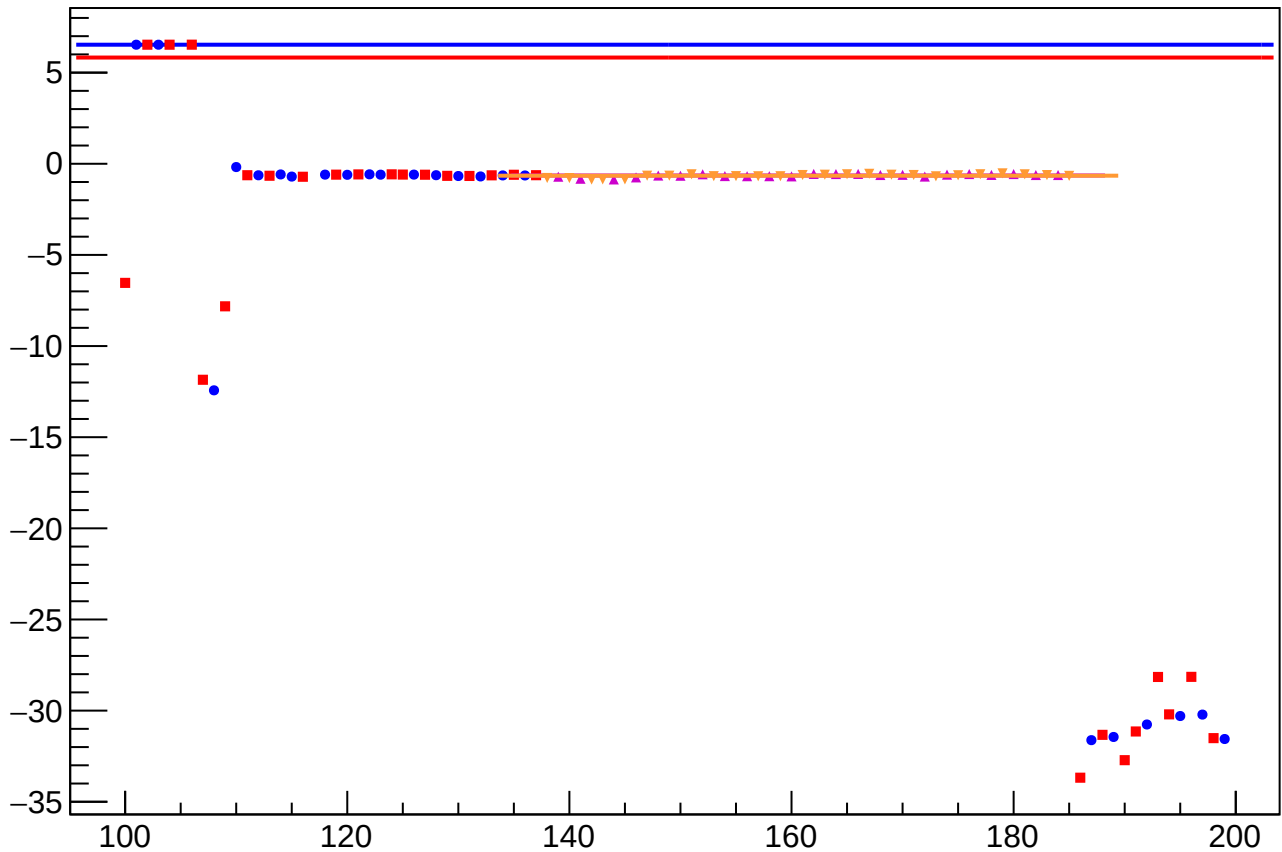
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127859522584.1/22

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962251655670.0/26

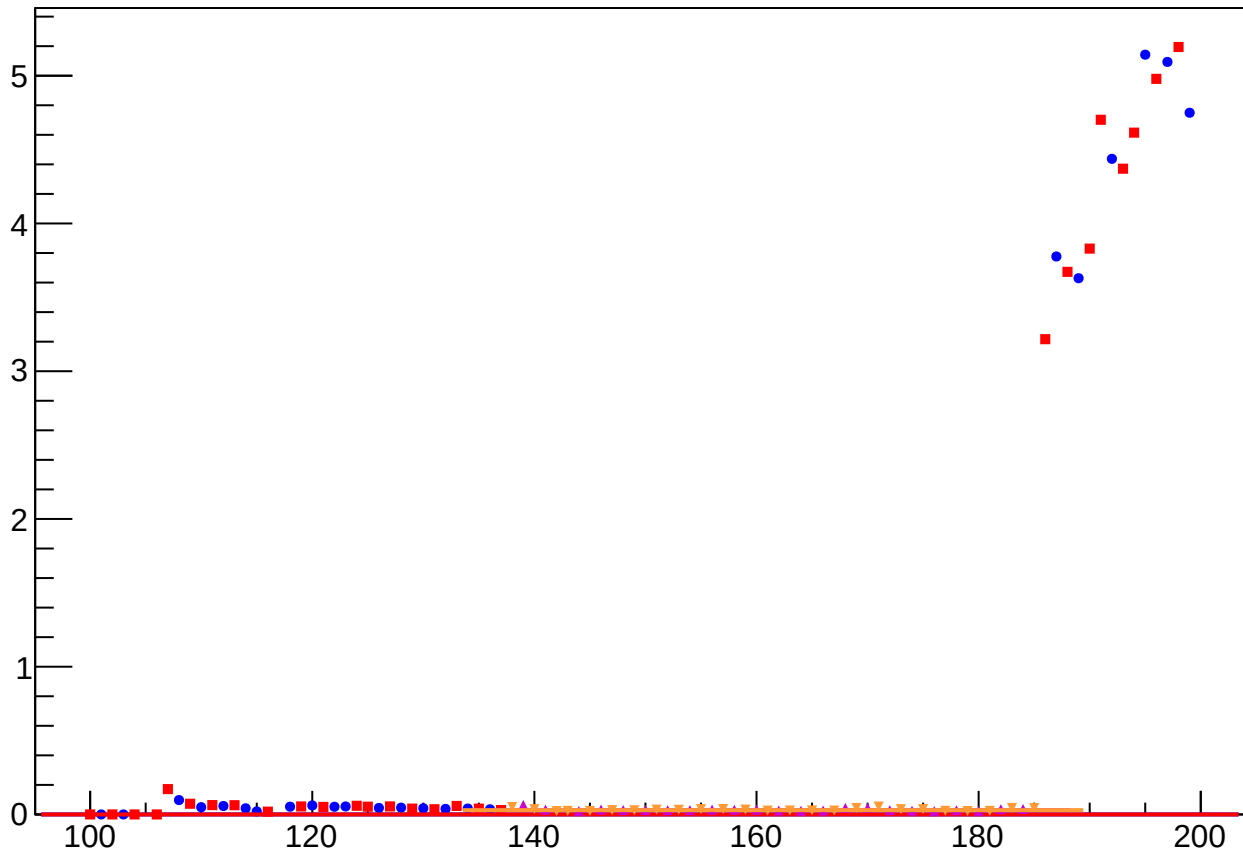
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001699024948.9/47

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762750718337

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640714793689.9/26

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16555443.0/22

Left Out: 0.029+/-0.000 χ^2/NDF : 1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19120976.6/26

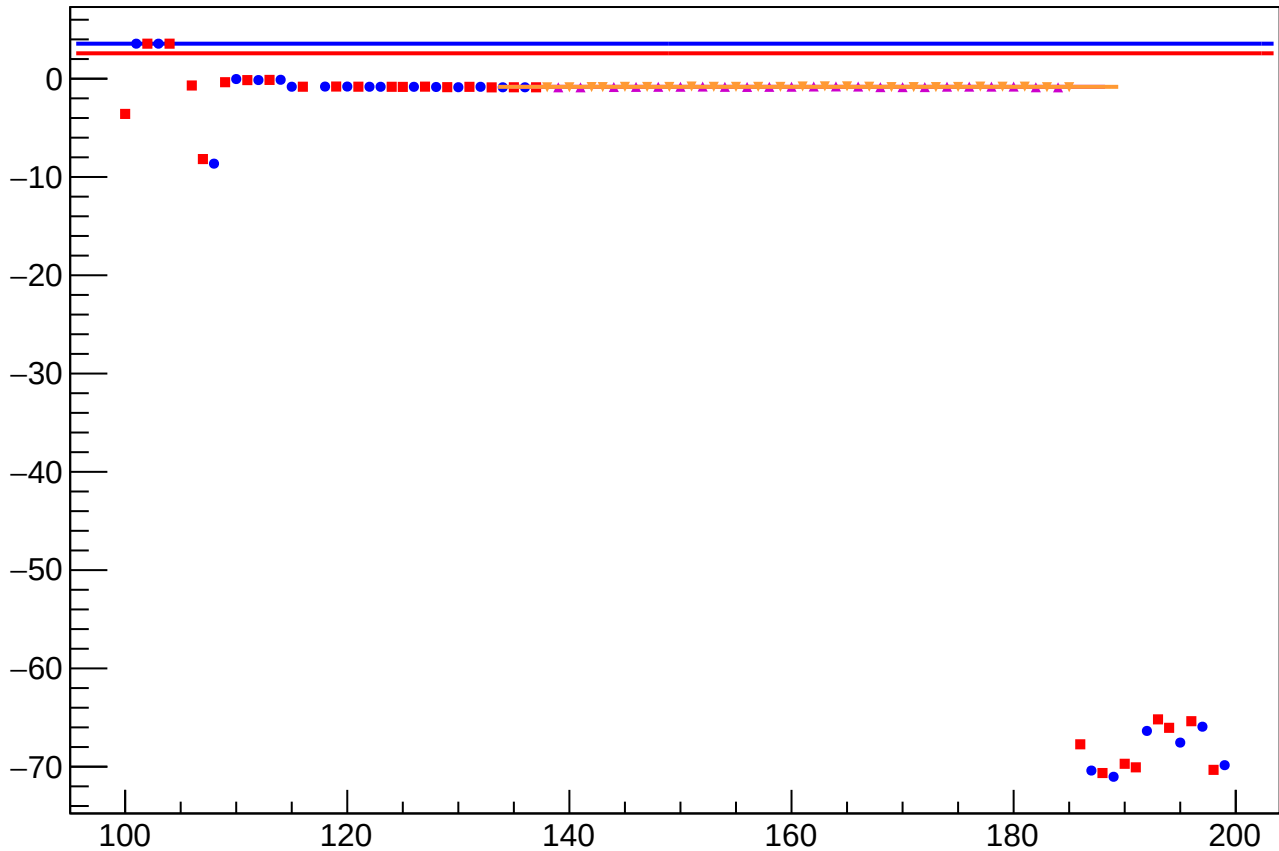
Left In: 0.029+/-0.000 χ^2/NDF : 1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 46519202.3/47

All: 0.000+/-0.000 χ^2/NDF : 93822690.1/97

- sign 0.000+/-0.000 χ^2/NDF : 47302819.6/49

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 494089380428.3/22

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253519028823756.5/26

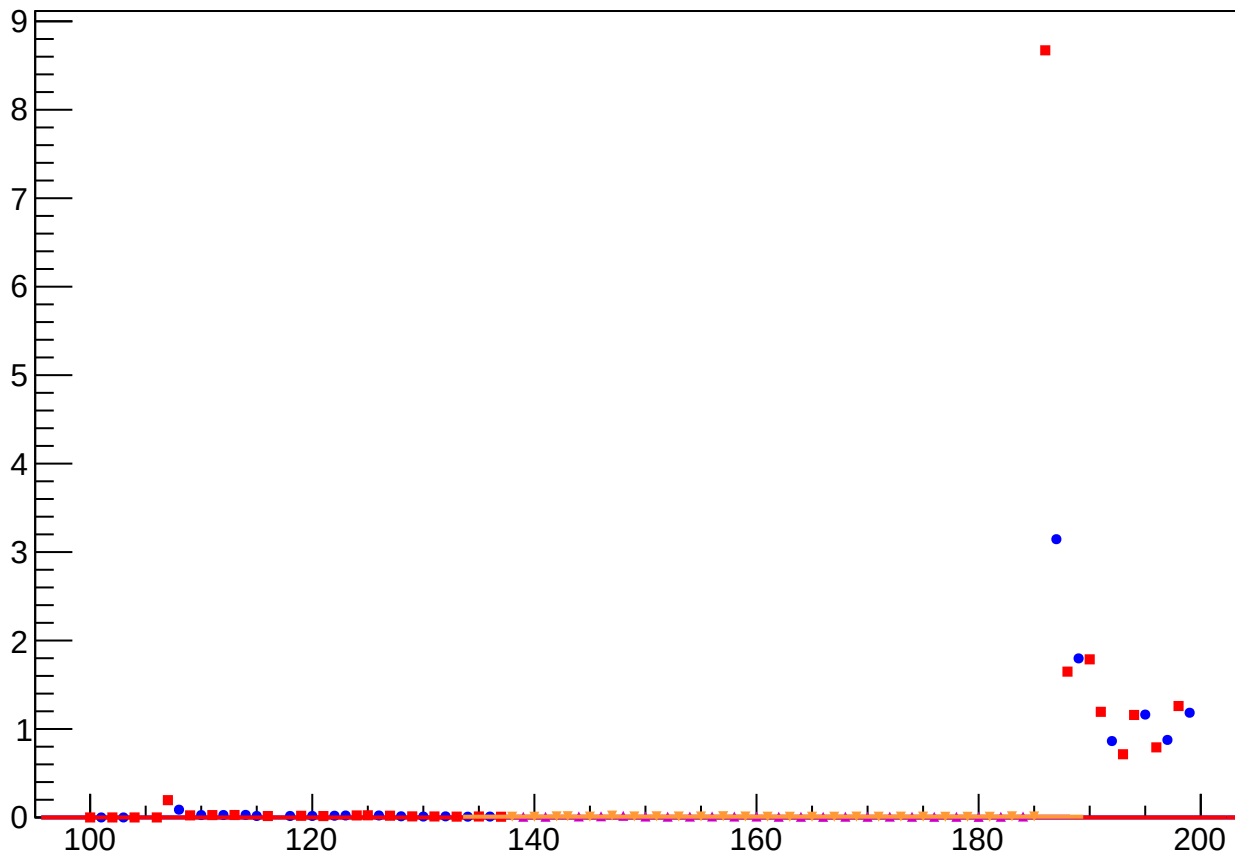
Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560+/-0.000 χ^2/NDF : 4190537228853.4/47

All: 3.038+/-0.000 χ^2/NDF : 13880088111670

- sign 2.581+/-0.000 χ^2/NDF : 1255740122958922.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15951041.4/22

Left Out: 0.009+/-0.000 χ^2/NDF : 1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 18286672.1/26

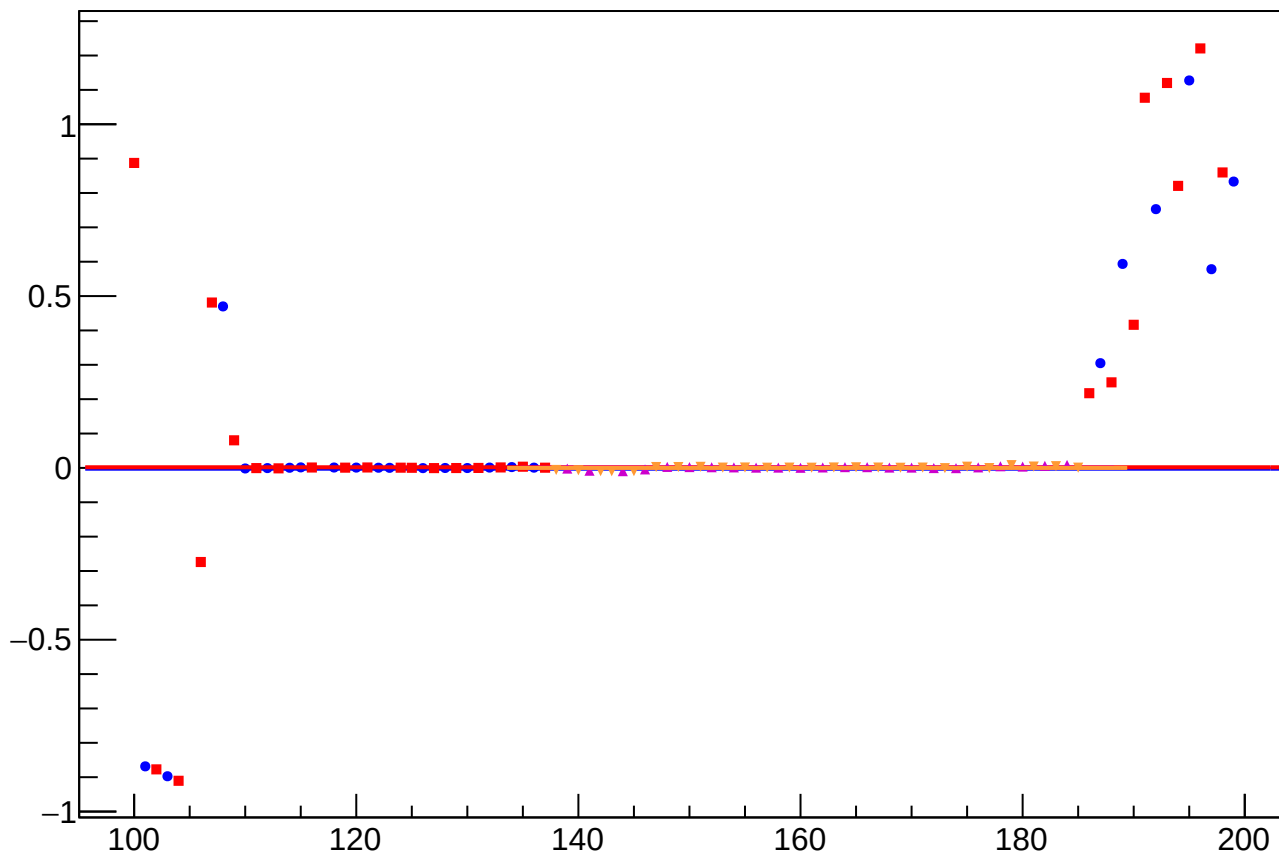
Left In: 0.009+/-0.000 χ^2/NDF : 1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 47459420.3/47

All: 0.000+/-0.000 χ^2/NDF : 95553814.5/97

- sign 0.000+/-0.000 χ^2/NDF : 48093316.5/49

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9795703551.7/22$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151559332.0/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3042470255.6/26$

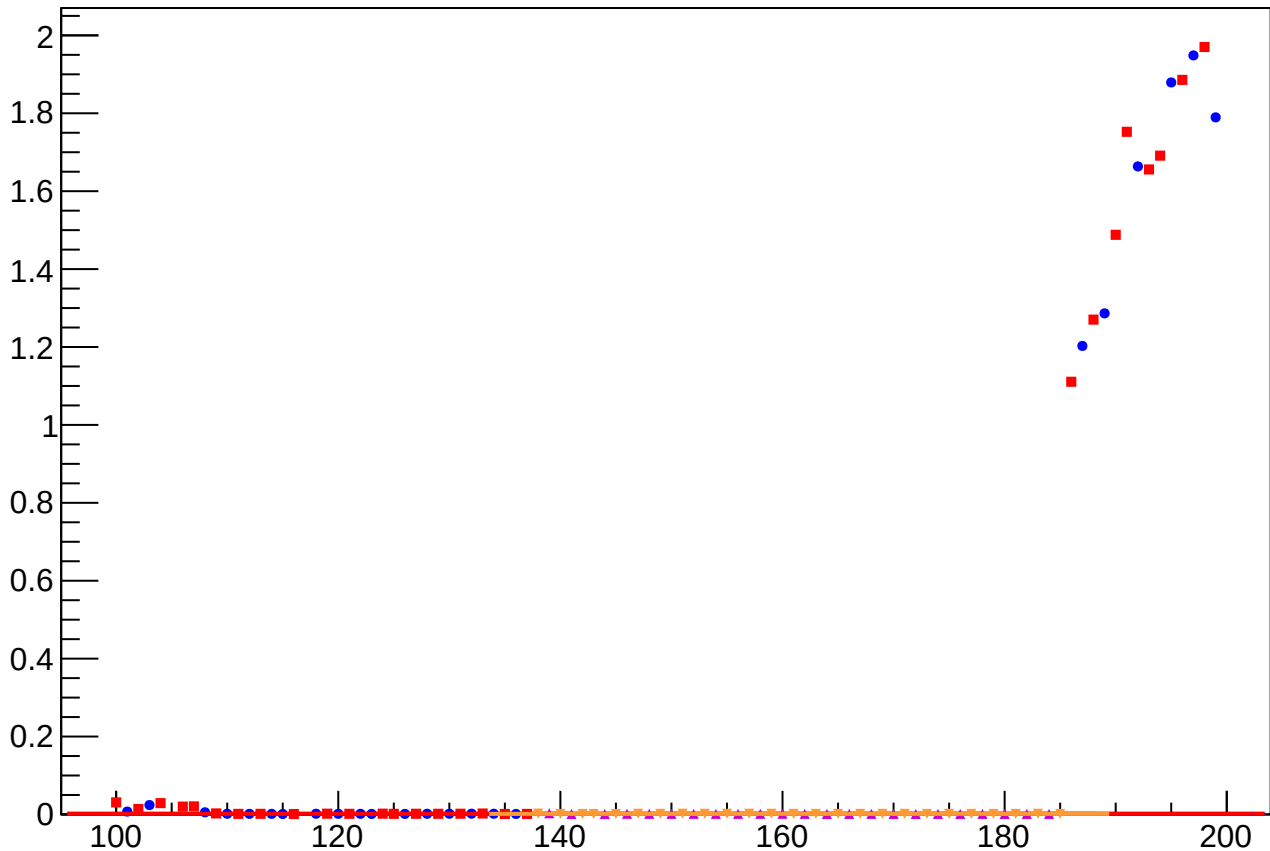
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101468517.6/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9954224719.0/47$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13107691503.1/9$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3145915495.8/49$

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 9591461.3/22

Left Out: 0.001+/-0.000 χ^2/NDF : 539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 12792706.7/26

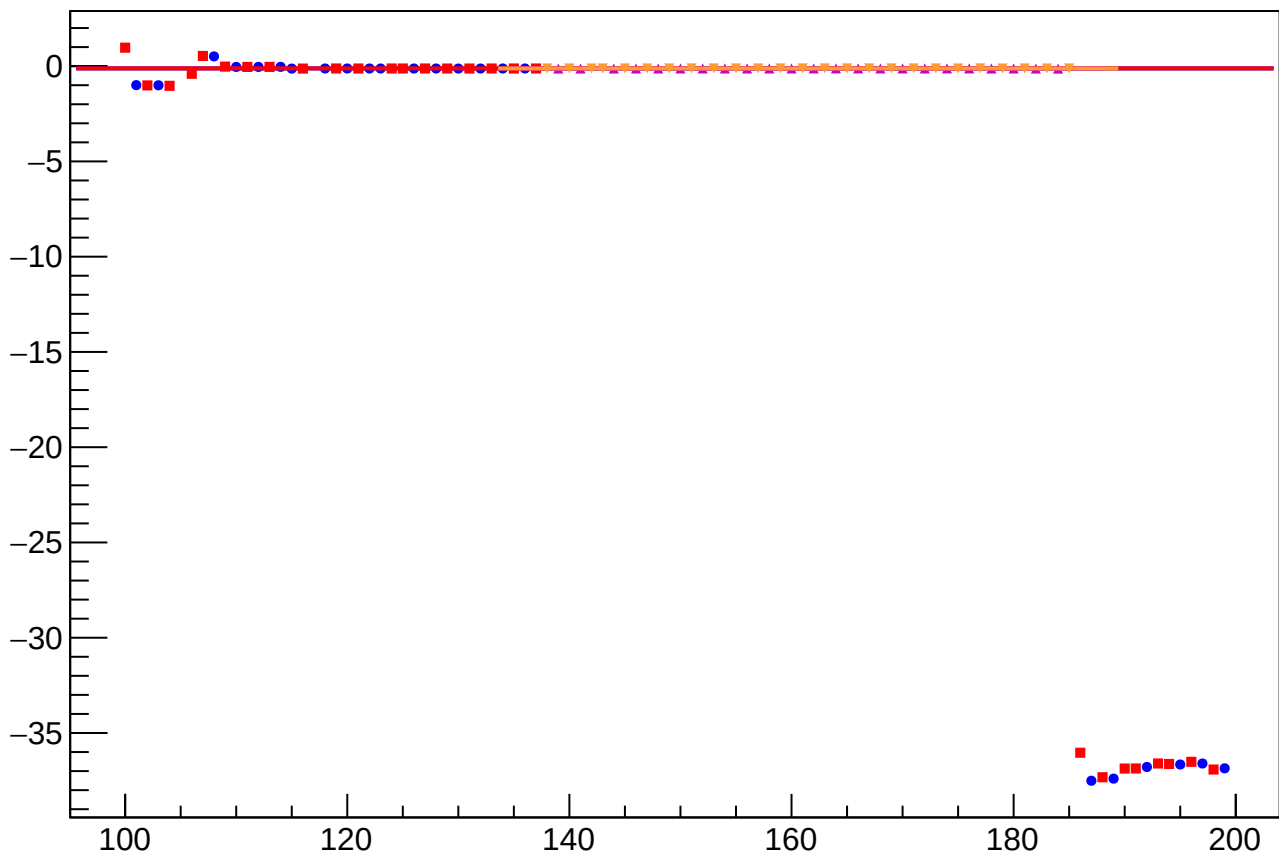
Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 10201026.1/47

All: 0.002+/-0.000 χ^2/NDF : 23770615.2/97

- sign 0.002+/-0.000 χ^2/NDF : 13561686.4/49

yield_cav4cY_mean vs Slug



Right In: -0.121 ± 0.000 χ^2/NDF : 36080113005.6/22

Left Out: -0.121 ± 0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.116 ± 0.000 χ^2/NDF : 43295147595.3/26

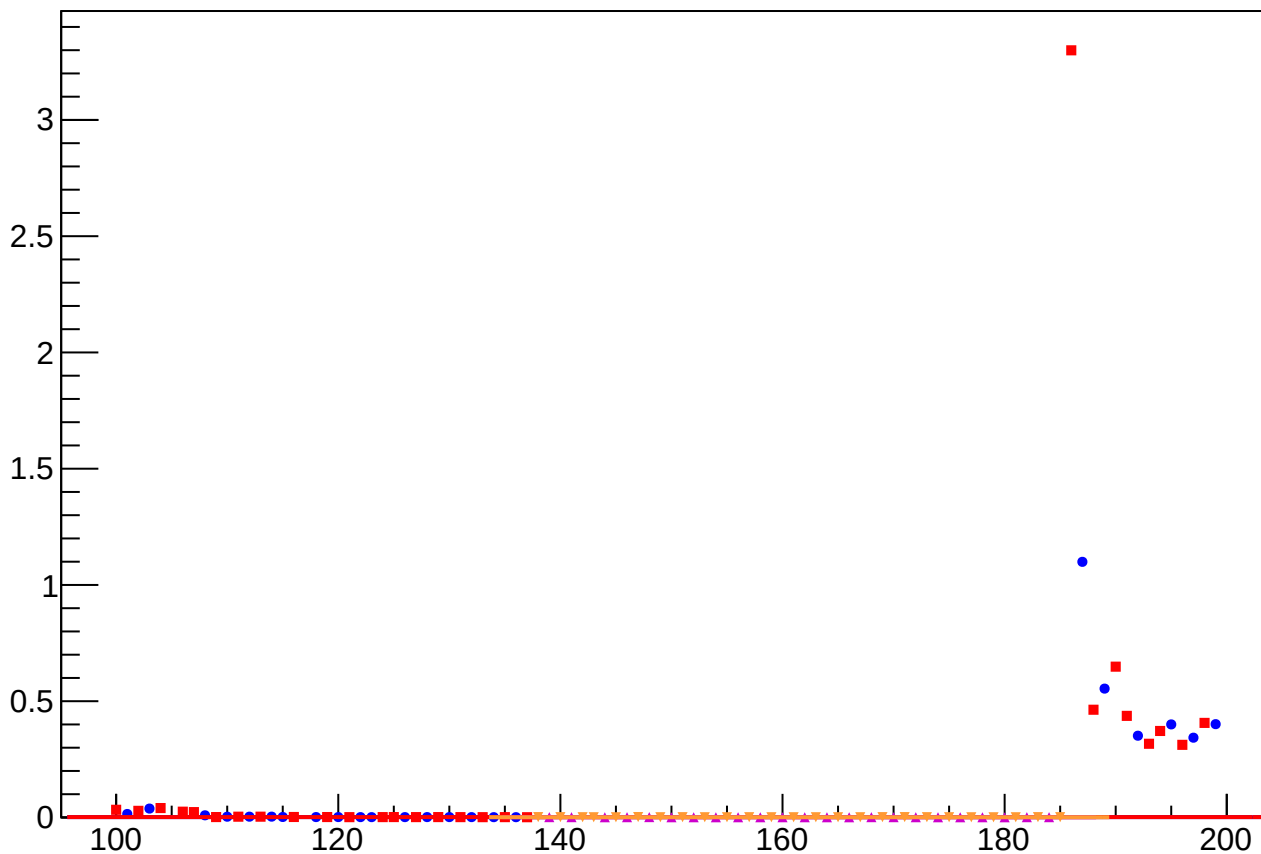
Left In: -0.121 ± 0.000 χ^2/NDF : 53134323.3/22

+ sign -0.121 ± 0.000 χ^2/NDF : 36138597840.4/47

All: -0.121 ± 0.000 χ^2/NDF : 79532117697.1/100

- sign -0.120 ± 0.000 χ^2/NDF : 43389612685.5/49

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 10150353.7/22

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 12889896.9/26

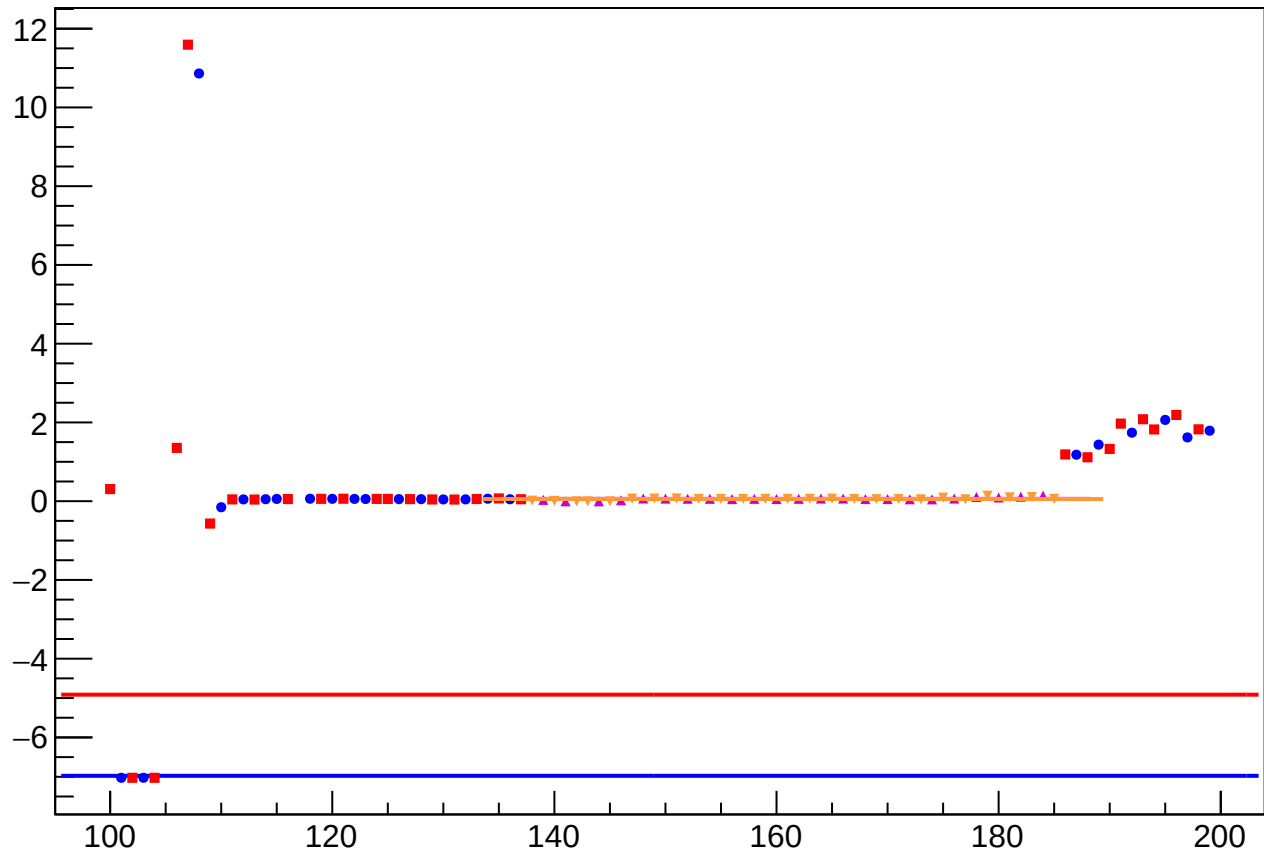
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 12688087.6/47

All: 0.001+/-0.000 χ^2/NDF : 27679436.6/97

- sign 0.001+/-0.000 χ^2/NDF : 14989306.3/49

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762578278365.0/22

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348641366017.9/26

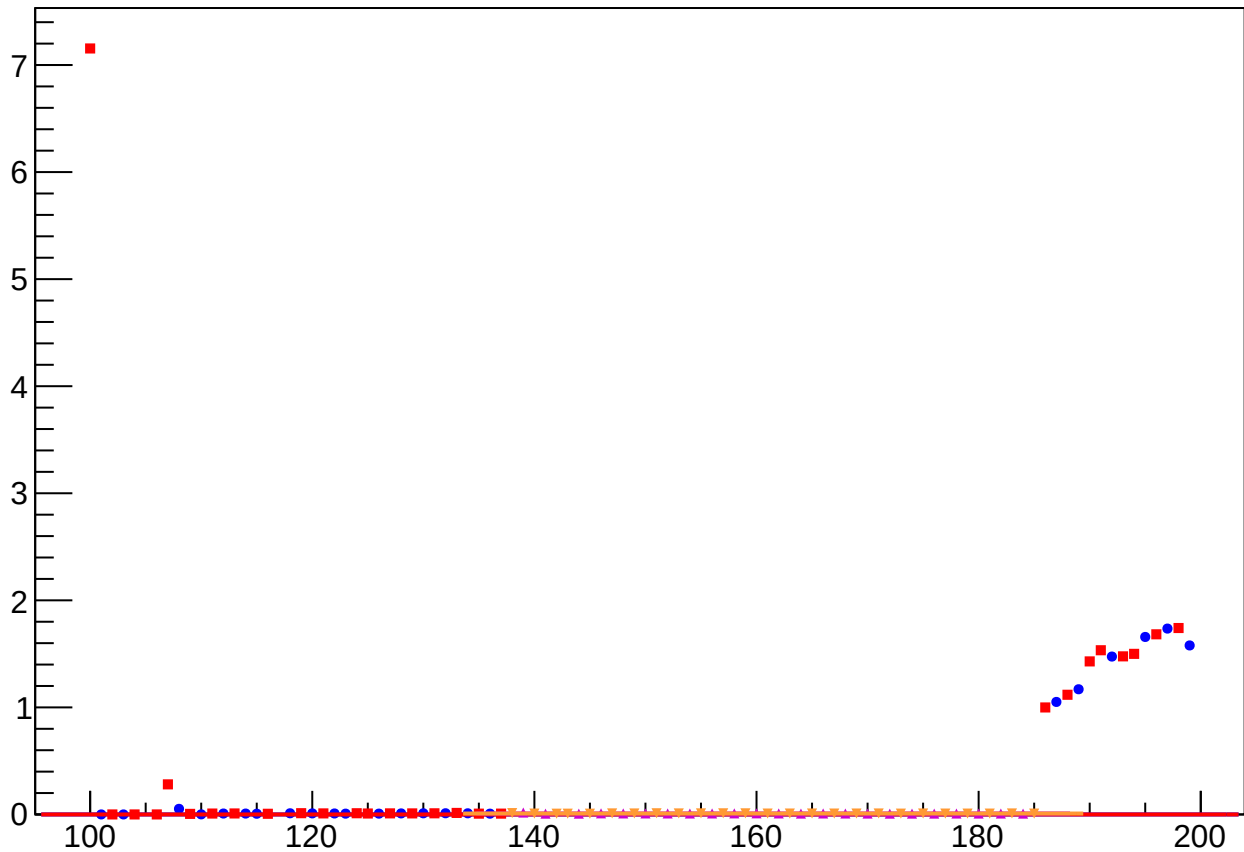
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417567418663.2/22

All: -5.858 ± 0.000 χ^2/NDF : 4435813974314.0/22

- sign -4.882 ± 0.000 χ^2/NDF : 369770932433295.4/22

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15912667.0/22

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 18545600.2/26

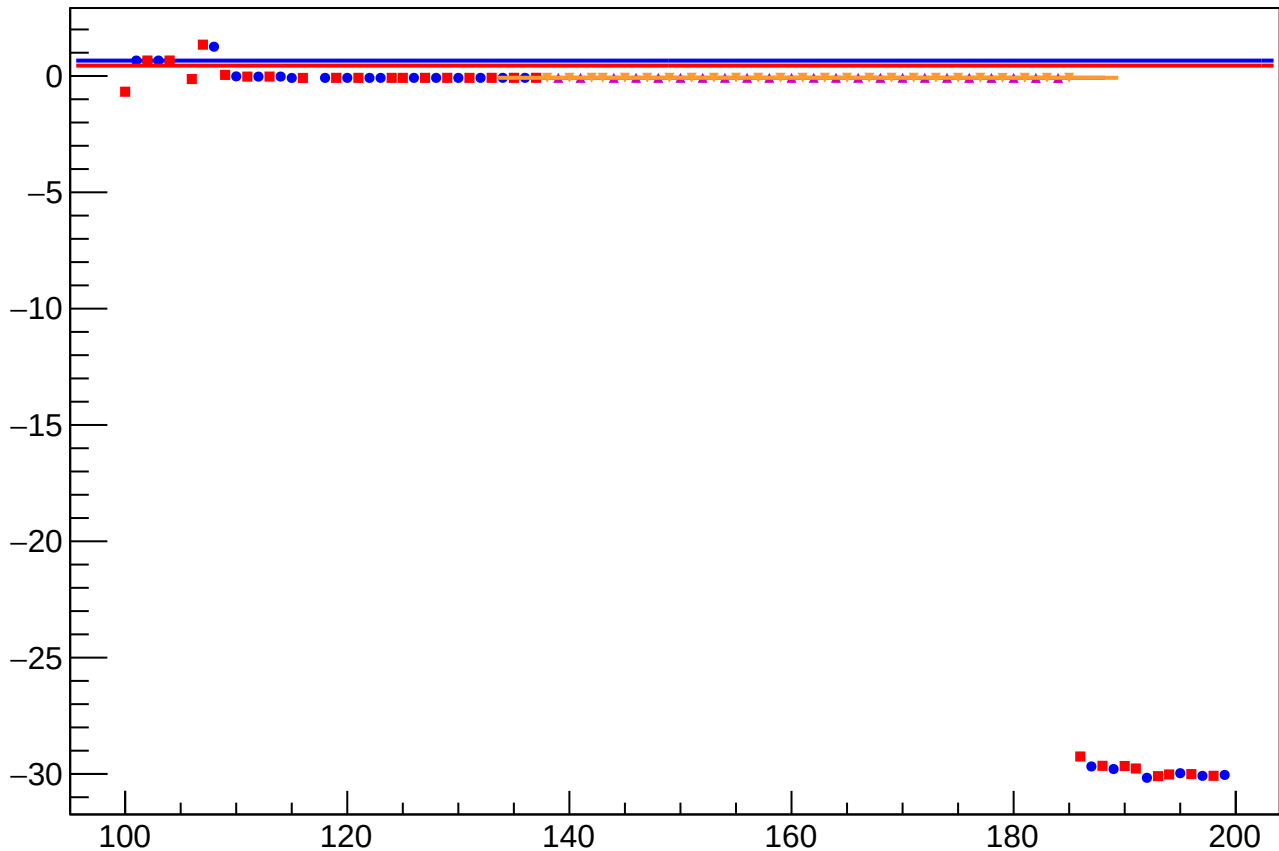
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 44900102.4/47

All: 0.000+/-0.000 χ^2/NDF : 91124039.9/97

- sign 0.000+/-0.000 χ^2/NDF : 46219483.3/49

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5618028727560.1/22

Left Out: -0.078+/-0.000 χ^2/NDF : 156525648.0/24

Right Out: 0.446+/-0.000 χ^2/NDF : 405454722876639.8/26

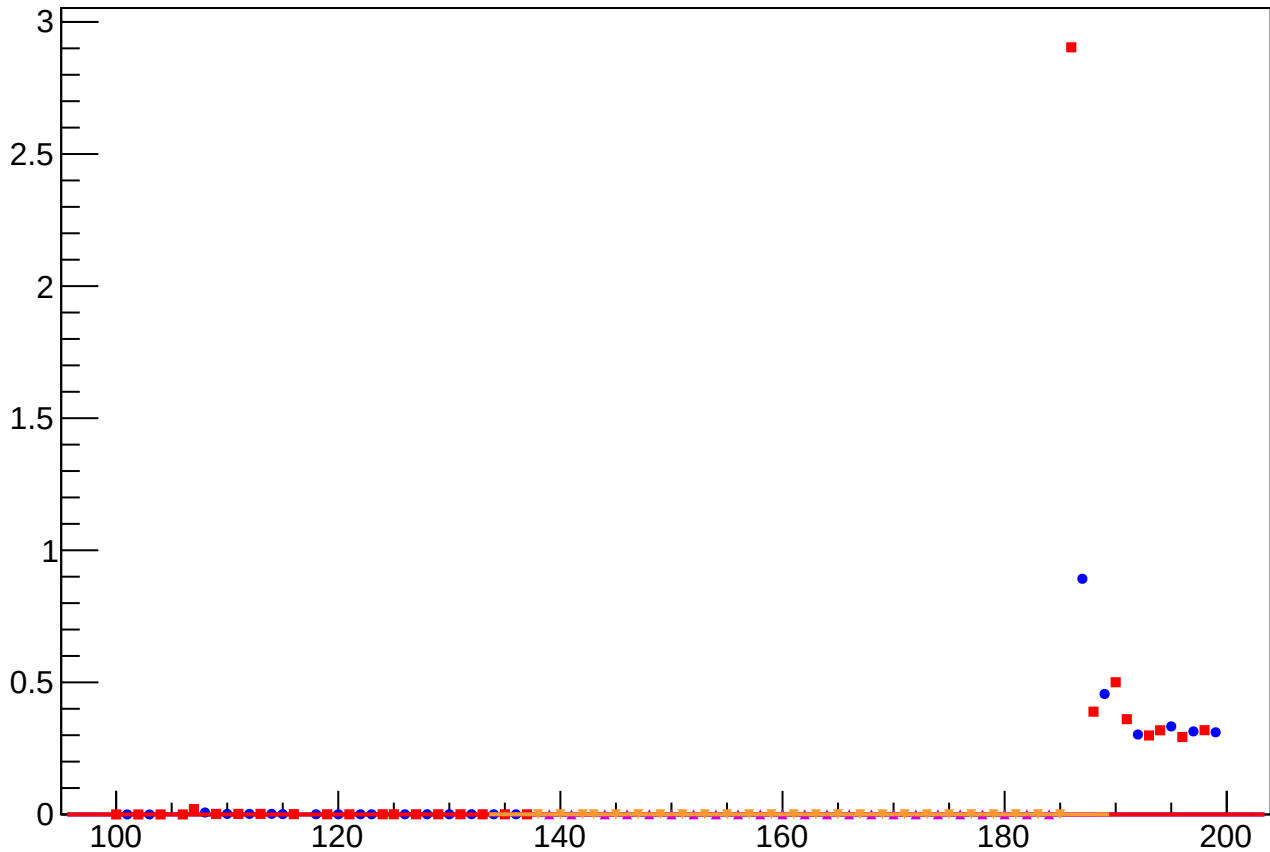
Left In: -0.077+/-0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646+/-0.000 χ^2/NDF : 35785509973503.1/4

All: 0.537+/-0.000 χ^2/NDF : 51605198174277

- sign 0.437+/-0.000 χ^2/NDF : 419686252000985.3/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 17388265.5/22

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19077424.5/26

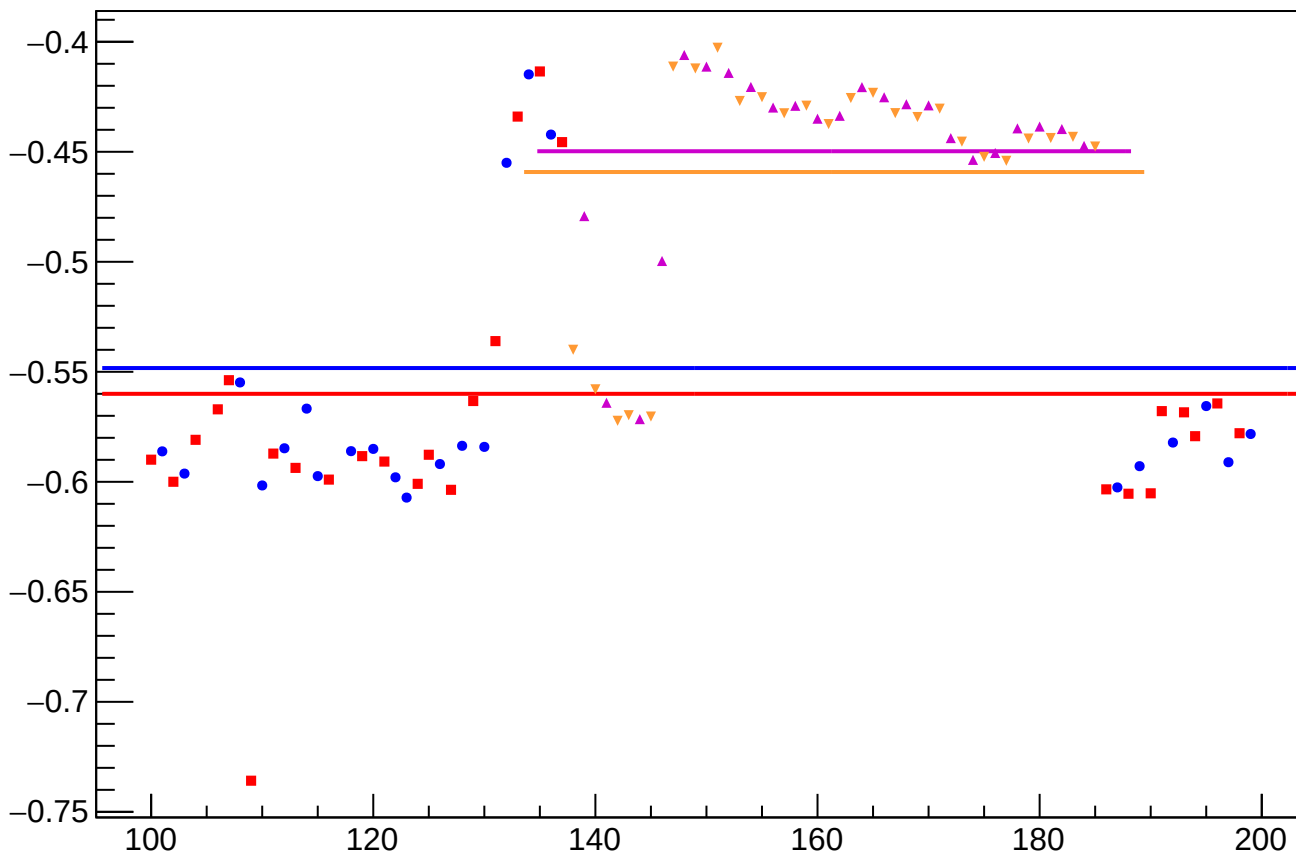
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 50037414.9/47

All: 0.000+/-0.000 χ^2/NDF : 100158676.5/97

- sign 0.000+/-0.000 χ^2/NDF : 50114116.9/49

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 47586224.4/22

Left Out: -0.459 ± 0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.560 ± 0.000 χ^2/NDF : 65285580.8/26

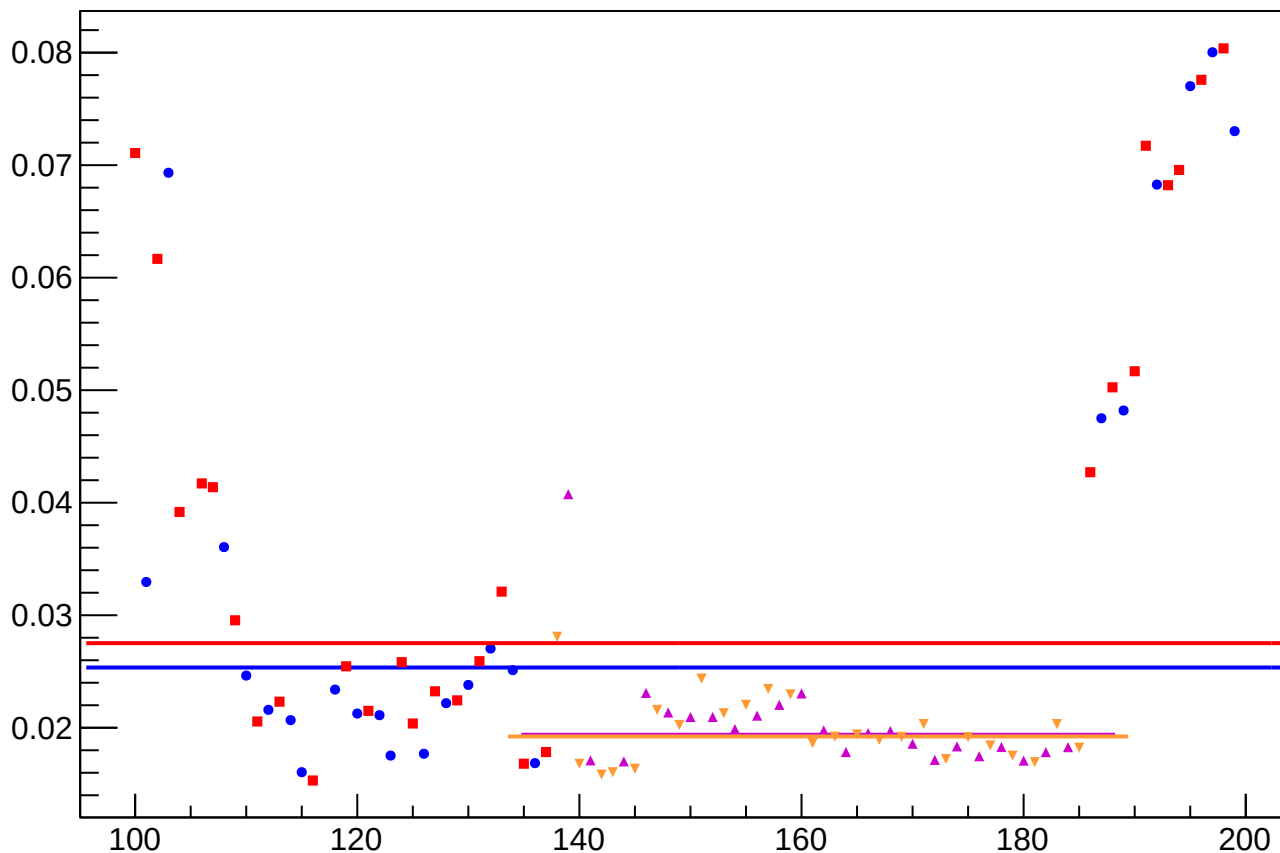
Left In: -0.450 ± 0.000 χ^2/NDF : 76151485.7/22

+ sign -0.479 ± 0.000 χ^2/NDF : 231040488.9/47

All: -0.477 ± 0.000 χ^2/NDF : 476878218.9/97

- sign -0.475 ± 0.000 χ^2/NDF : 245508600.5/49

yield_bpm4aX_rms vs Slug



Right In: 0.025 ± 0.000 χ^2/NDF : 4281274.3/22

Left Out: 0.019 ± 0.000 χ^2/NDF : 501253.7/24

Right Out: 0.028 ± 0.000 χ^2/NDF : 4726362.2/26

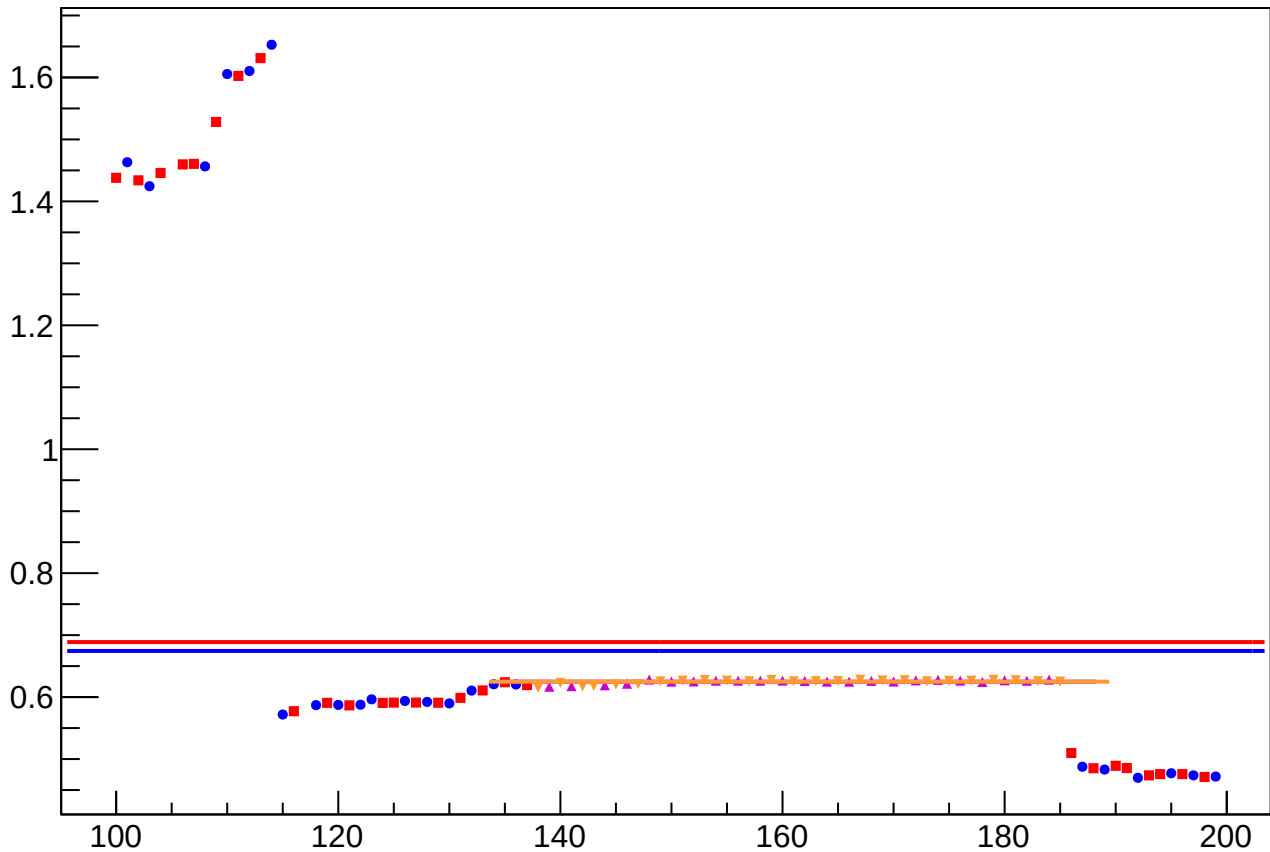
Left In: 0.019 ± 0.000 χ^2/NDF : 656155.9/22

+ sign 0.021 ± 0.000 χ^2/NDF : 5441482.5/47

All: 0.021 ± 0.000 χ^2/NDF : 11981740.8/97

- sign 0.021 ± 0.000 χ^2/NDF : 6517258.0/49

yield_bpm4aY_mean vs Slug



Right In: 0.674+/-0.000 χ^2/NDF : 4605362305.8/22

Left Out: 0.625+/-0.000 χ^2/NDF :1442225.6/24

Right Out: 0.689+/-0.000 χ^2/NDF : 5601441920.0/26

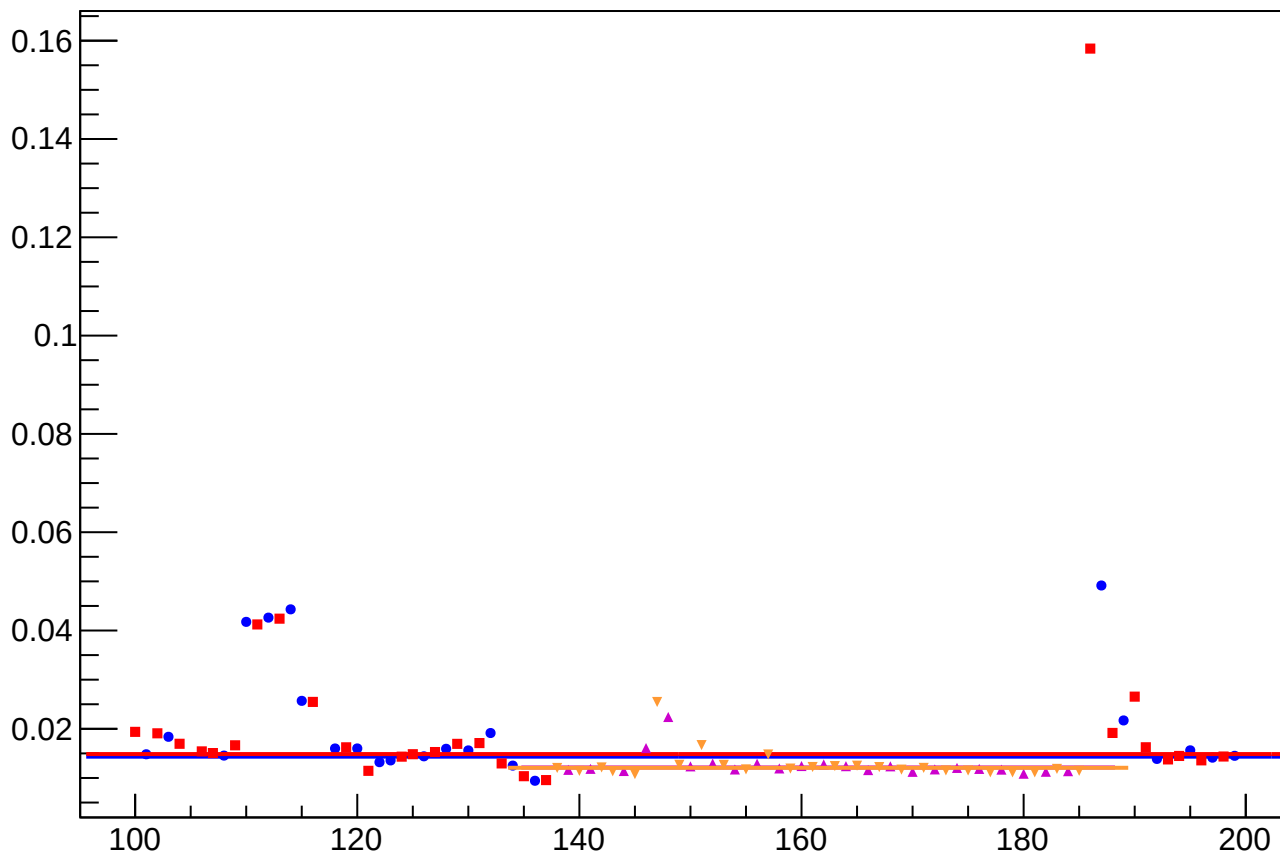
Left In: 0.625+/-0.000 χ^2/NDF :1135039.4/22

+ sign 0.638+/-0.000 χ^2/NDF : 4687197948.3/47

All: 0.641+/-0.000 χ^2/NDF : 10427980884.4/9

- sign 0.643+/-0.000 χ^2/NDF : 5738595875.0/49

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1639772.1/22

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2068974.0/26

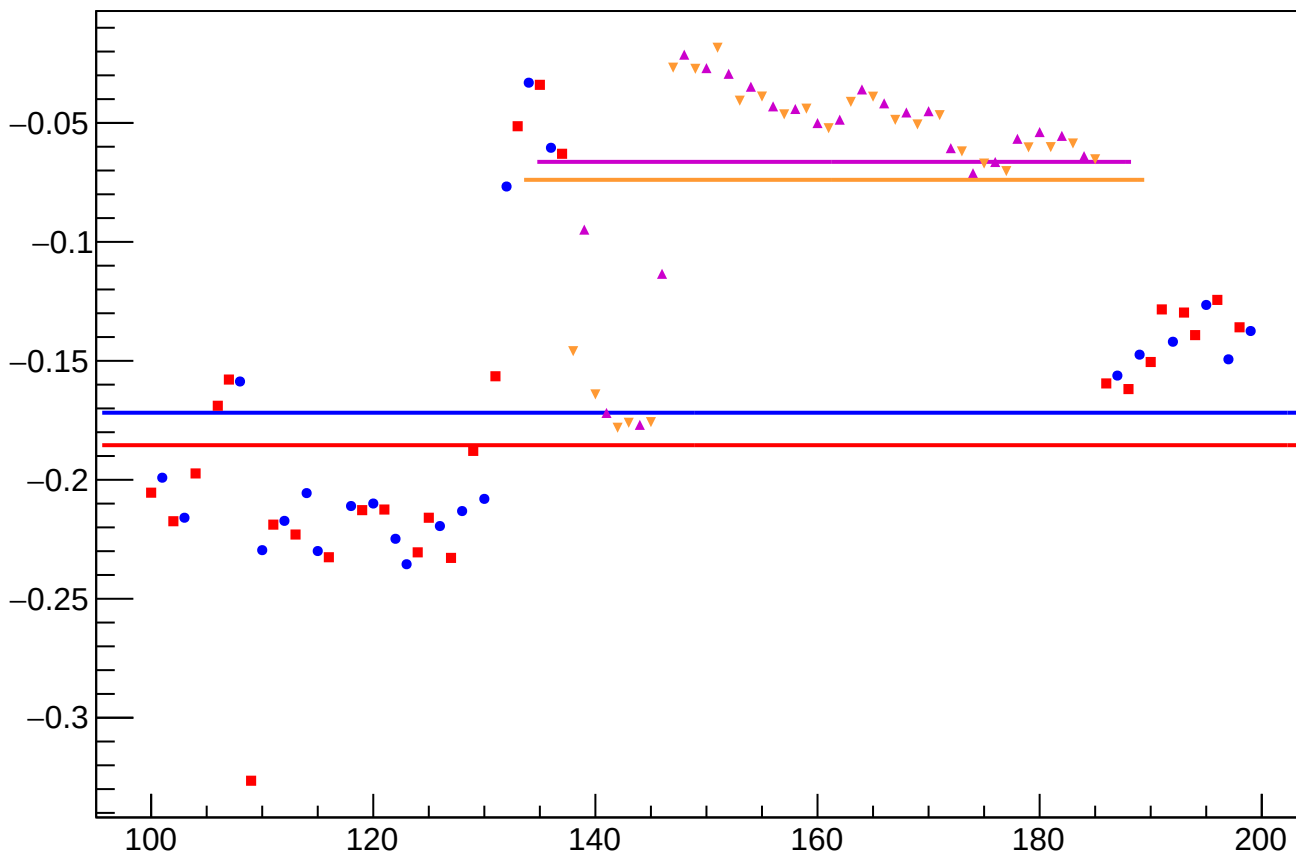
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2633456.5/47

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5695713.0/97

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3052411.4/49

yield_bpm4eX_mean vs Slug



Right In: -0.172 ± 0.000 χ^2/NDF : 67737193.5/22

Left Out: -0.074 ± 0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.185 ± 0.000 χ^2/NDF : 83937477.6/26

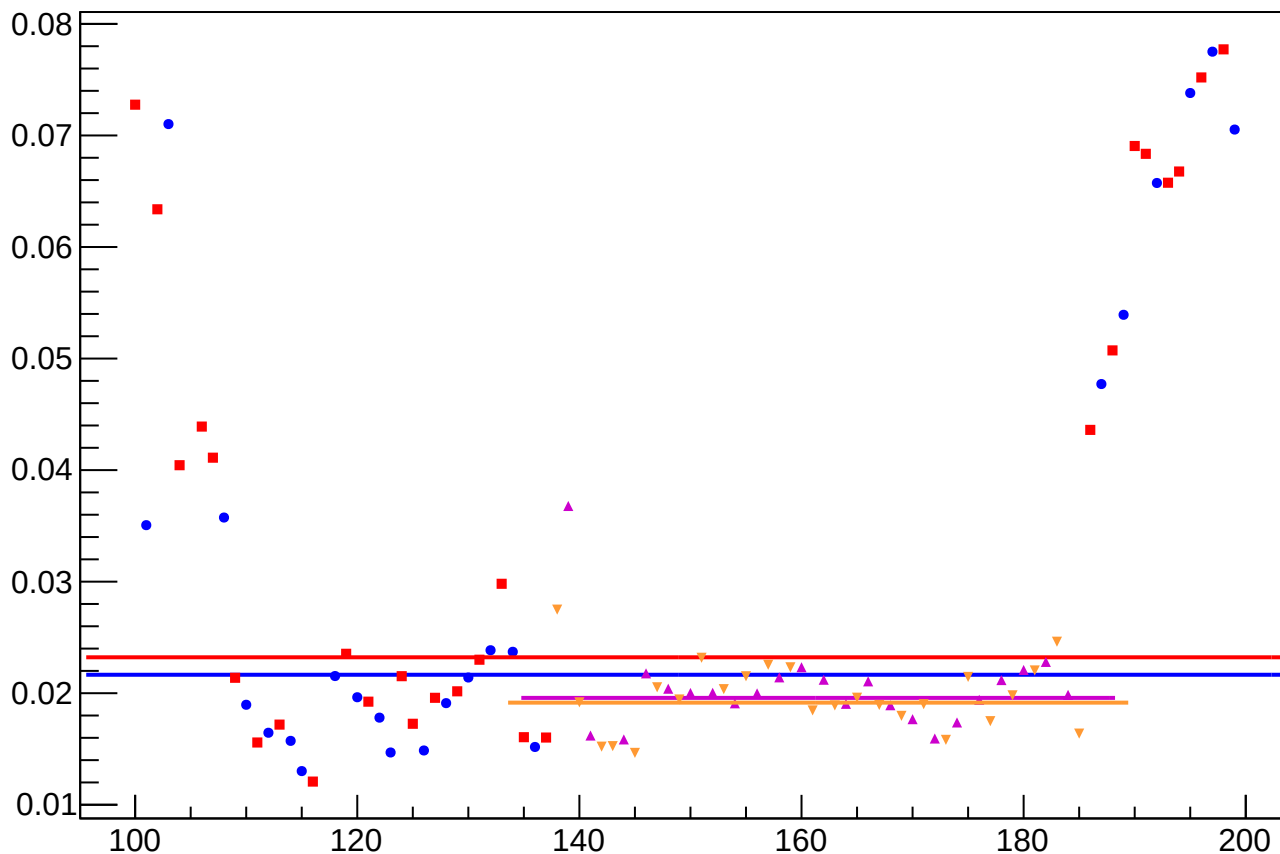
Left In: -0.066 ± 0.000 χ^2/NDF : 76283954.4/22

+ sign -0.100 ± 0.000 χ^2/NDF : 279347388.5/47

All: -0.100 ± 0.000 χ^2/NDF : 588963555.9/97

- sign -0.100 ± 0.000 χ^2/NDF : 309614804.6/49

yield_bpm4eX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 4999021.4/22

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641027.3/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 5788411.7/26

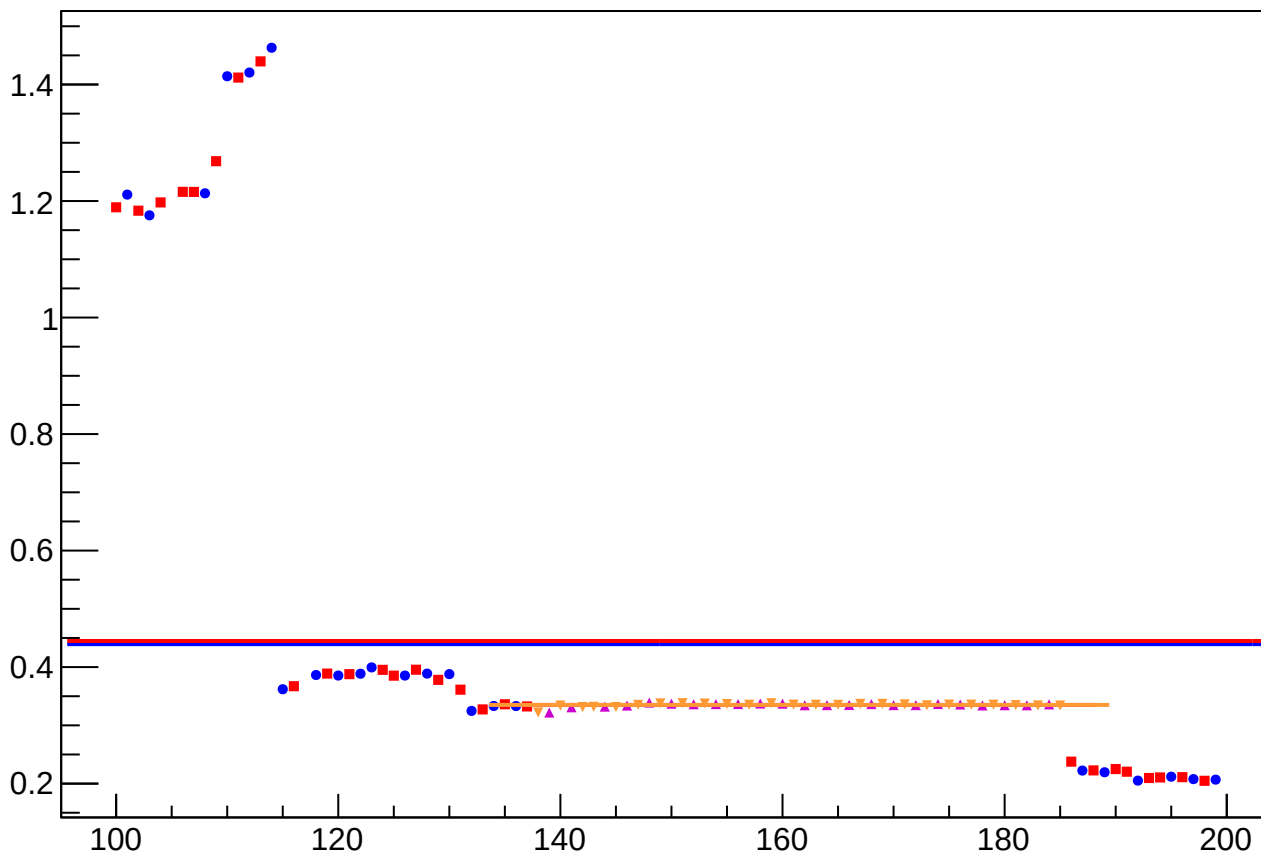
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5775250.3/47

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 12527786.1/97

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 6718671.0/49

yield_bpm4eY_mean vs Slug



Right In: 0.439+/-0.000 χ^2/NDF : 6745304397.0/22

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.445+/-0.000 χ^2/NDF : 7858681203.0/26

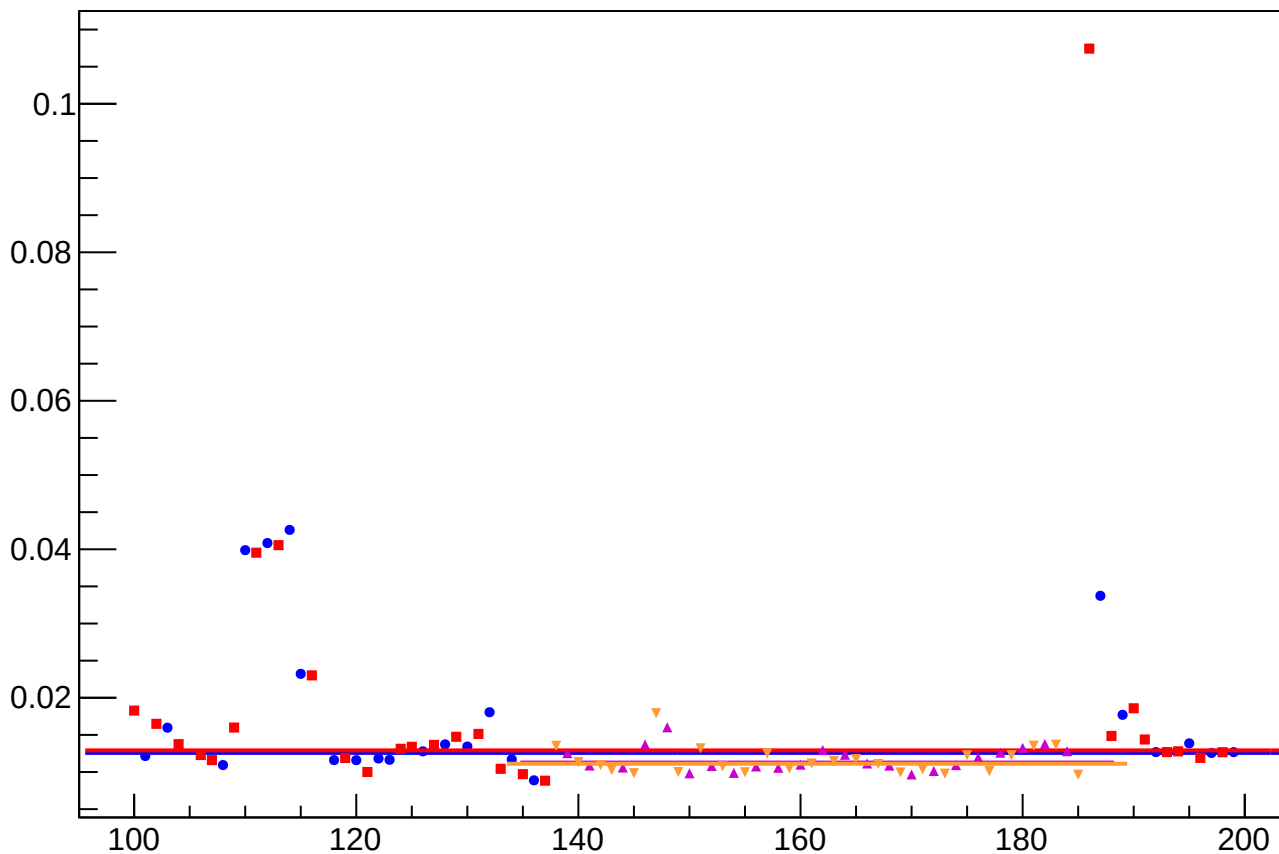
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.366+/-0.000 χ^2/NDF : 7197185334.5/47

All: 0.368+/-0.000 χ^2/NDF : 15567035811.4/9

- sign 0.370+/-0.000 χ^2/NDF : 8367621897.7/49

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1508891.1/22

Left Out: 0.011+/-0.000 χ^2/NDF : 608235.7/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1928564.3/26

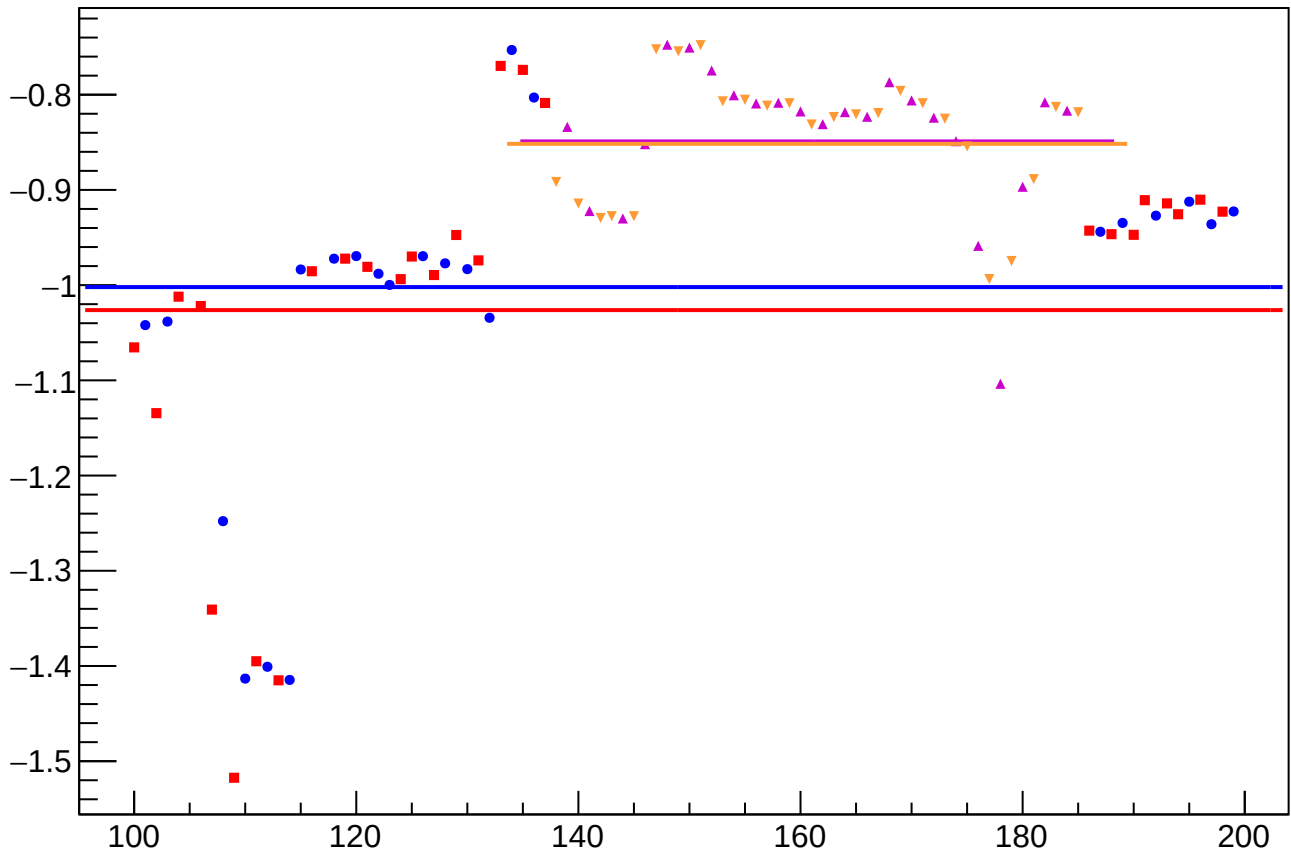
Left In: 0.011+/-0.000 χ^2/NDF : 502226.7/22

+ sign 0.012+/-0.000 χ^2/NDF : 2294433.4/47

All: 0.012+/-0.000 χ^2/NDF : 4964962.1/97

- sign 0.012+/-0.000 χ^2/NDF : 2657407.2/49

yield_bpm4acX_mean vs Slug



Right In: -1.002 ± 0.000 χ^2/NDF : 398429052.8/22

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.026 ± 0.000 χ^2/NDF : 548256756.4/26

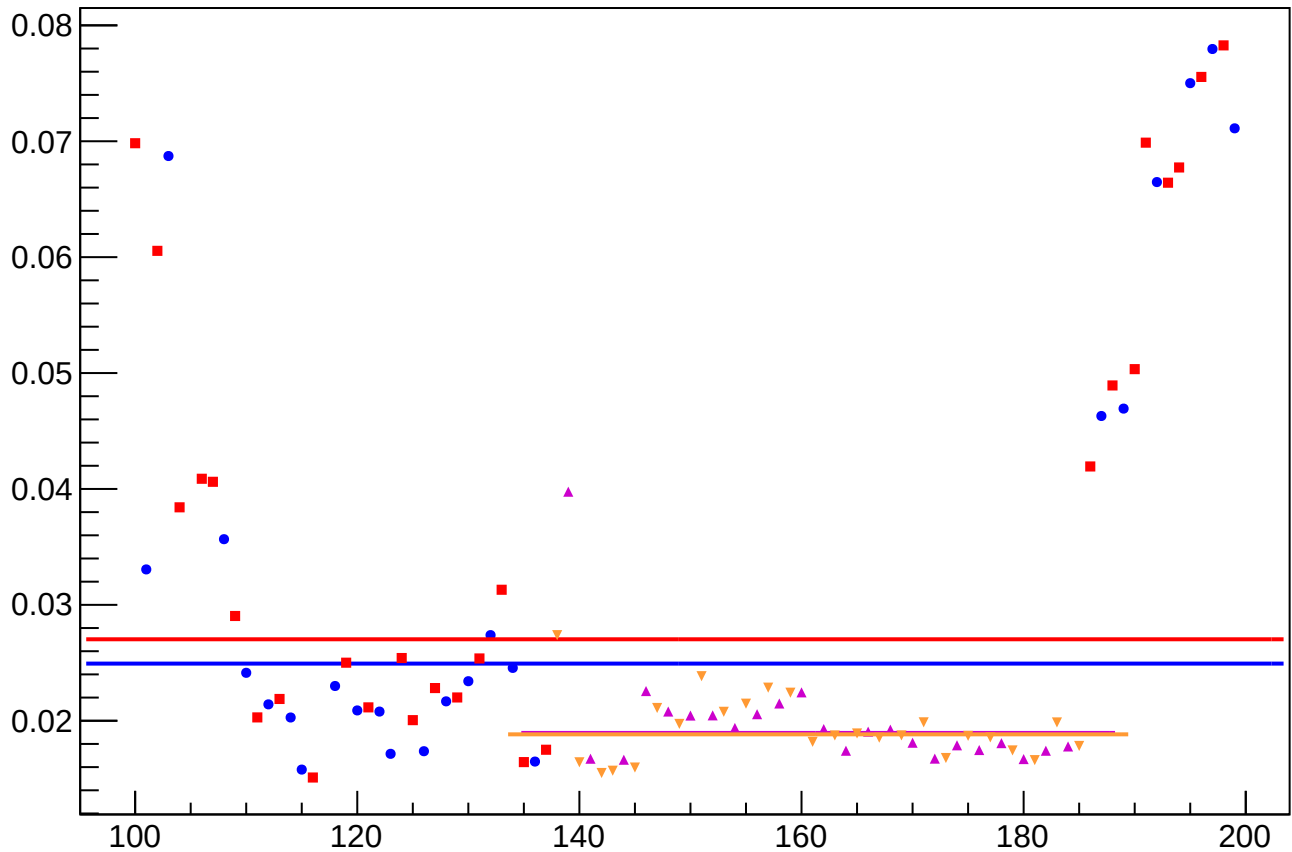
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884 ± 0.000 χ^2/NDF : 793467867.4/47

All: -0.887 ± 0.000 χ^2/NDF : 1878115241.4/9

- sign -0.889 ± 0.000 χ^2/NDF : 1083977243.6/49

yield_bpm4acX_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF : 4274210.1/22

Left Out: 0.019+/-0.000 χ^2/NDF : 490084.5/24

Right Out: 0.027+/-0.000 χ^2/NDF : 4686562.2/26

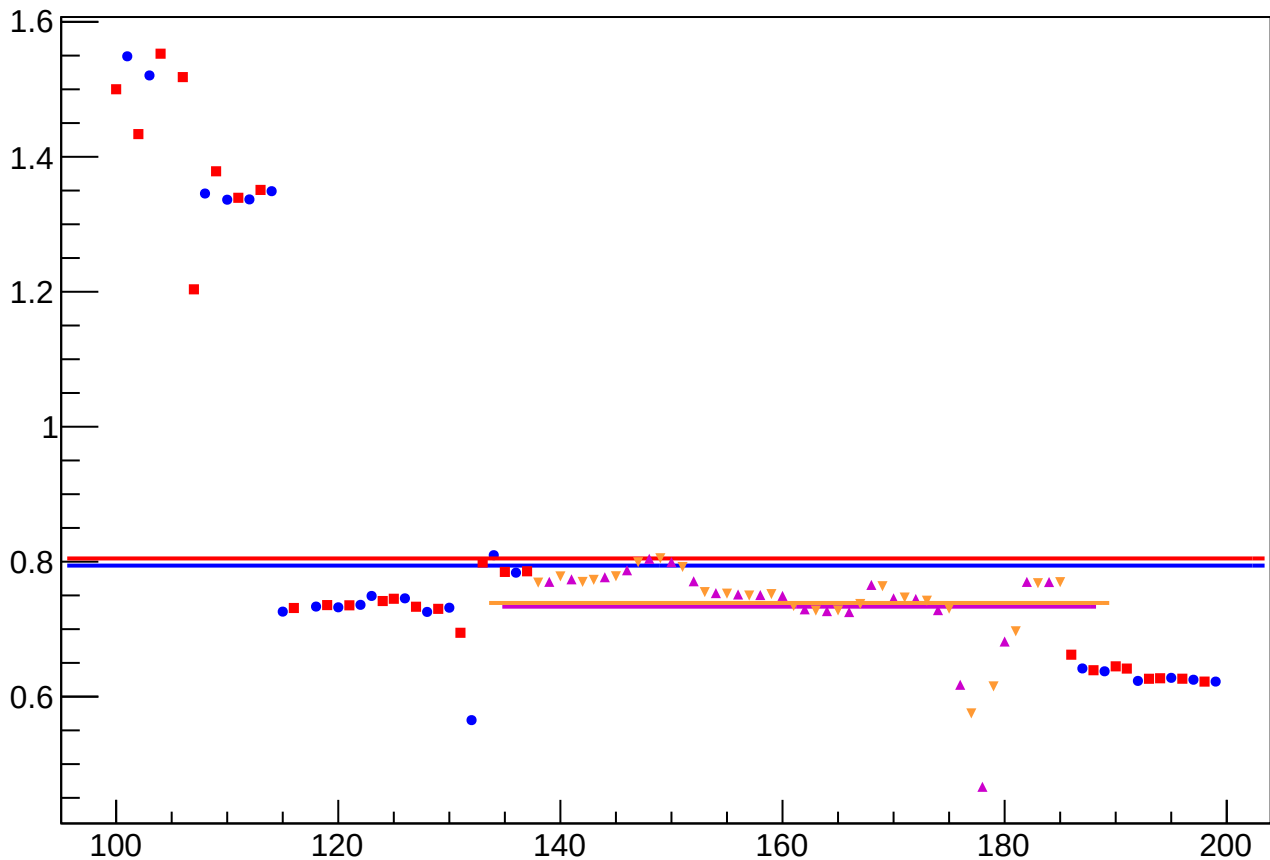
Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

+ sign 0.020+/-0.000 χ^2/NDF : 5441940.8/47

All: 0.020+/-0.000 χ^2/NDF : 11956275.8/97

- sign 0.021+/-0.000 χ^2/NDF : 6493338.7/49

yield_bpm4acY_mean vs Slug



Right In: 0.794 $\pm$ 0.000 χ^2/NDF : 3146246558.9/22

Left Out: 0.739 $\pm$ 0.000 χ^2/NDF :333086309.0/24

Right Out: 0.805 $\pm$ 0.000 χ^2/NDF : 3446305332.5/26

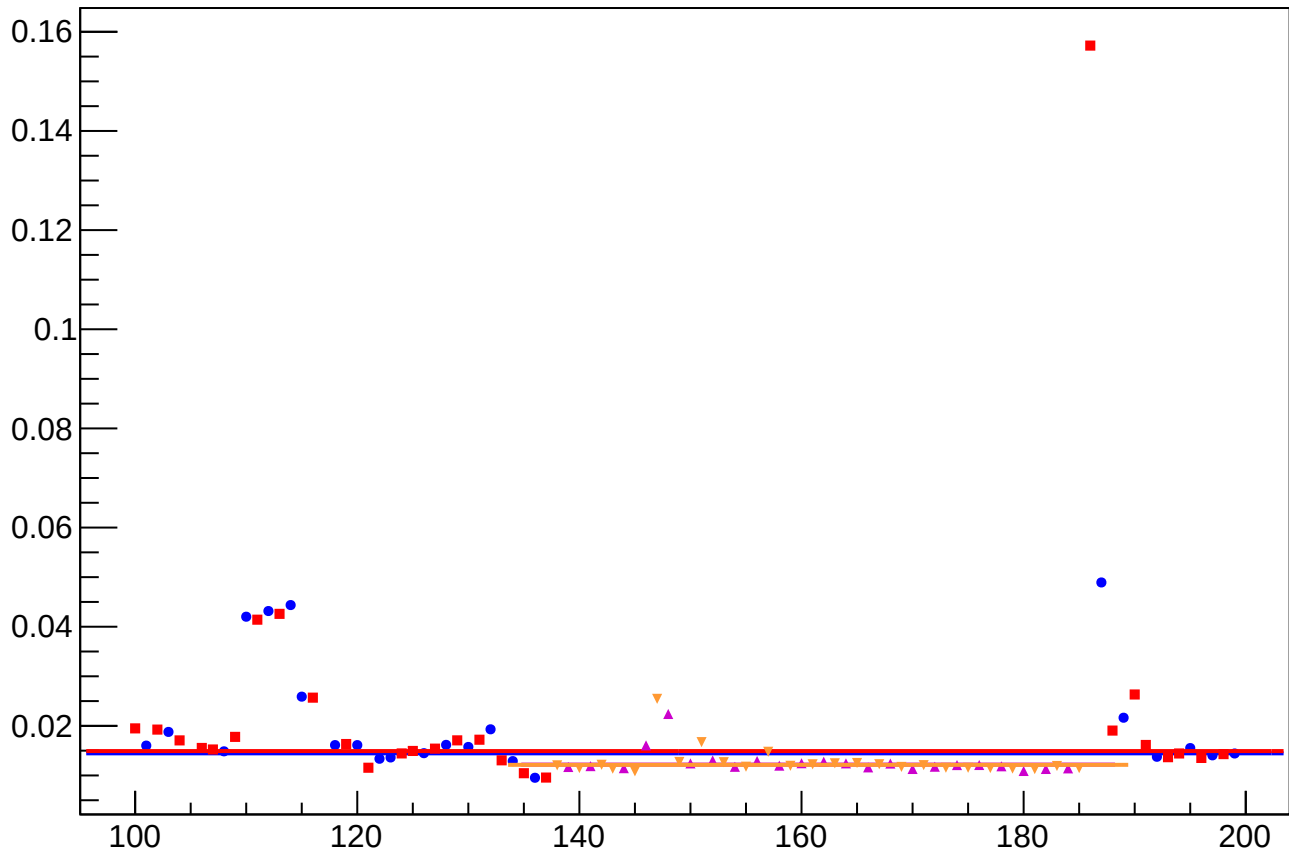
Left In: 0.733 $\pm$ 0.000 χ^2/NDF :570264411.7/22

+ sign 0.754 $\pm$ 0.000 χ^2/NDF : 3577984585.9/47

All: 0.754 $\pm$ 0.000 χ^2/NDF : 7762726646.4/97

- sign 0.754 $\pm$ 0.000 χ^2/NDF : 4184726394.0/49

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1640987.3/22

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2073659.0/26

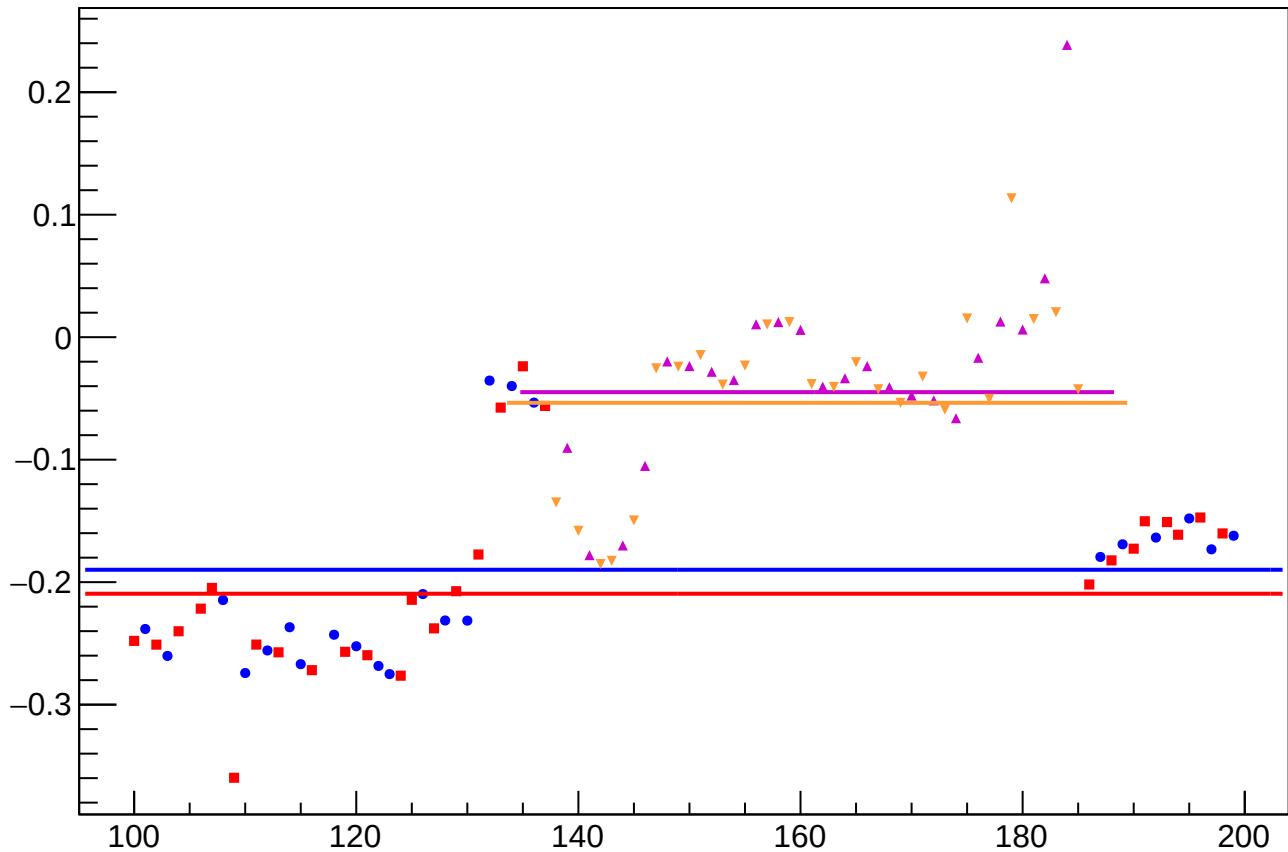
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2624907.6/47

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5678227.8/97

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3045462.7/49

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 χ^2/NDF : 106612354.4/22

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.209 ± 0.000 χ^2/NDF : 112111484.3/26

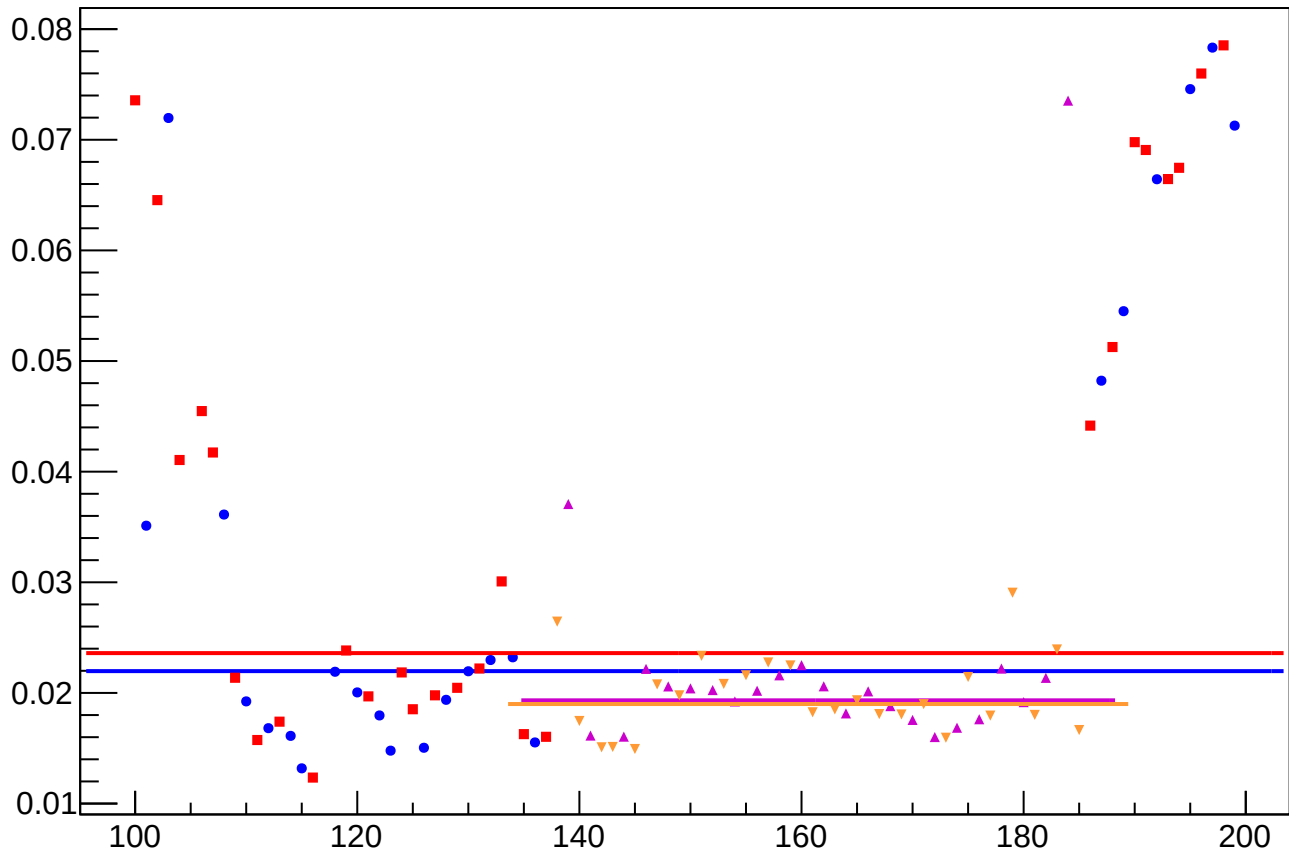
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.089 ± 0.000 χ^2/NDF : 470842667.5/47

All: -0.090 ± 0.000 χ^2/NDF : 988794003.4/97

- sign -0.090 ± 0.000 χ^2/NDF : 517916814.4/49

yield_bpm4ecX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 4957280.4/22

Left Out: 0.019 ± 0.000 χ^2/NDF : 699267.5/24

Right Out: 0.024 ± 0.000 χ^2/NDF : 5755910.8/26

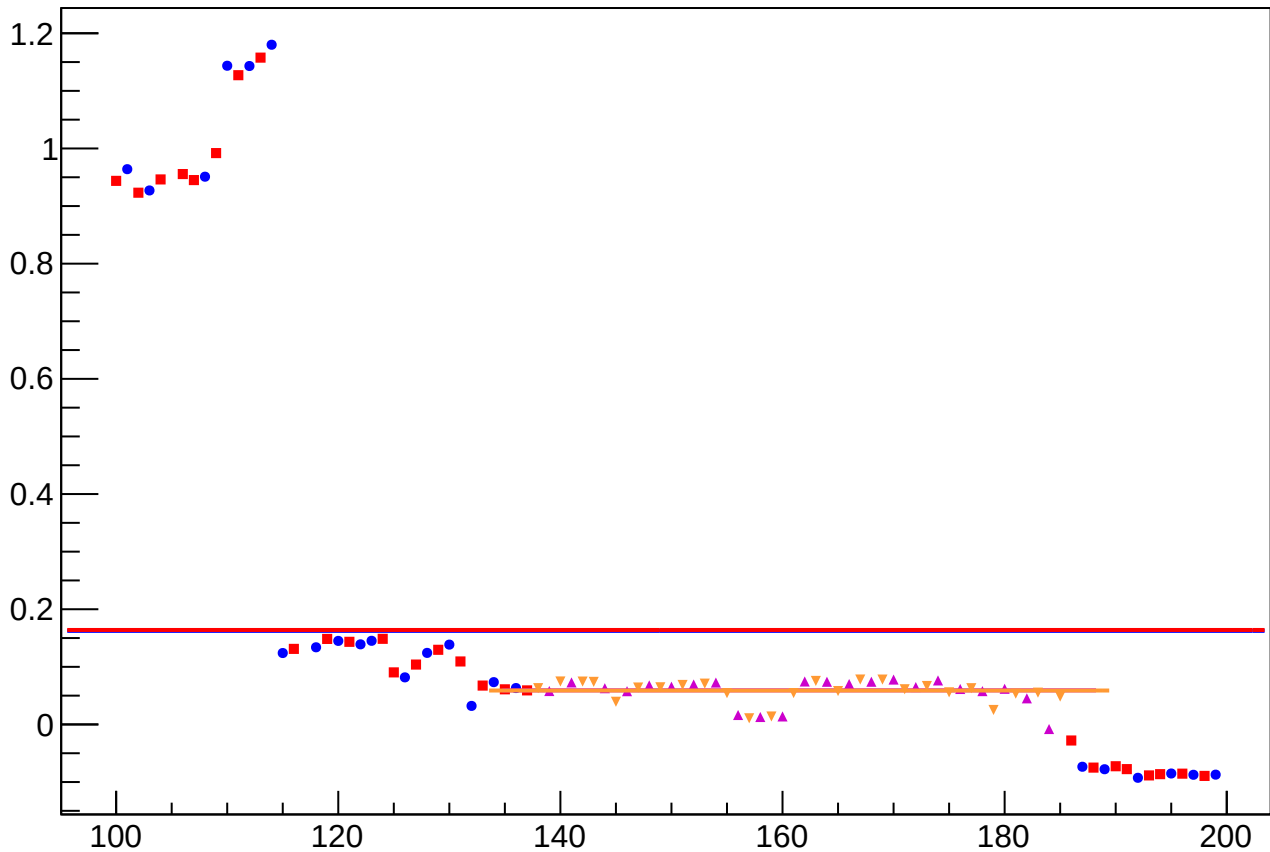
Left In: 0.019 ± 0.000 χ^2/NDF : 892810.7/22

+ sign 0.020 ± 0.000 χ^2/NDF : 5843584.3/47

All: 0.020 ± 0.000 χ^2/NDF : 12895914.4/97

- sign 0.021 ± 0.000 χ^2/NDF : 7023600.7/49

yield_bpm4ecY_mean vs Slug



Right In: 0.162 $\pm$ 0.000 χ^2 /NDF: 7225148107.1/22

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.164 $\pm$ 0.000 χ^2 /NDF: 8230505044.0/26

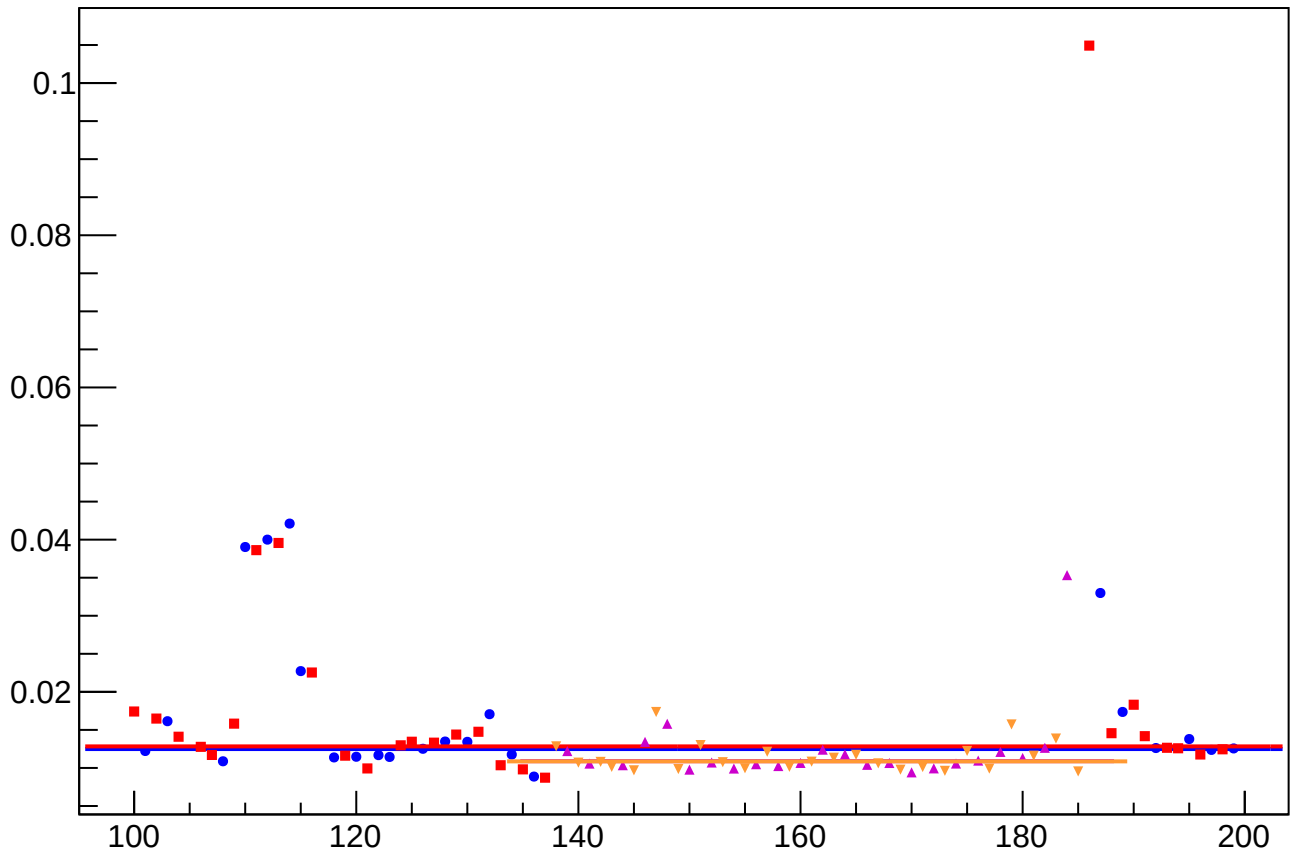
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.089 $\pm$ 0.000 χ^2 /NDF: 7723891658.4/47

All: 0.091 $\pm$ 0.000 χ^2 /NDF: 16487709911.6/9

- sign 0.092 $\pm$ 0.000 χ^2 /NDF: 8762883160.3/49

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1475984.5/22

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1887585.2/26

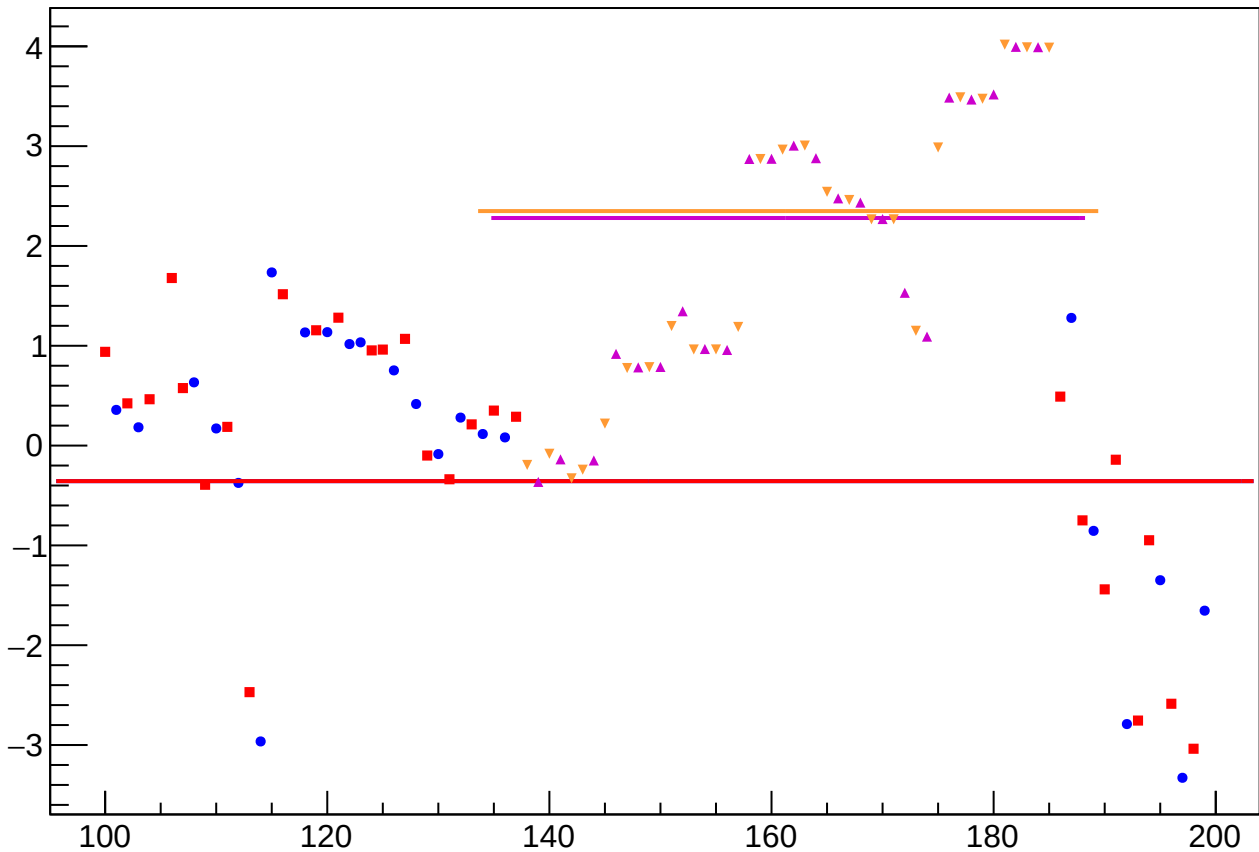
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:529867.3/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2302345.8/47

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5049676.7/97

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2741825.4/49

yield_bpm1X_mean vs Slug



Right In: -0.357 ± 0.000 $\chi^2/\text{NDF}: 4383971815.2/22$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.356 ± 0.000 $\chi^2/\text{NDF}: 5334113373.0/26$

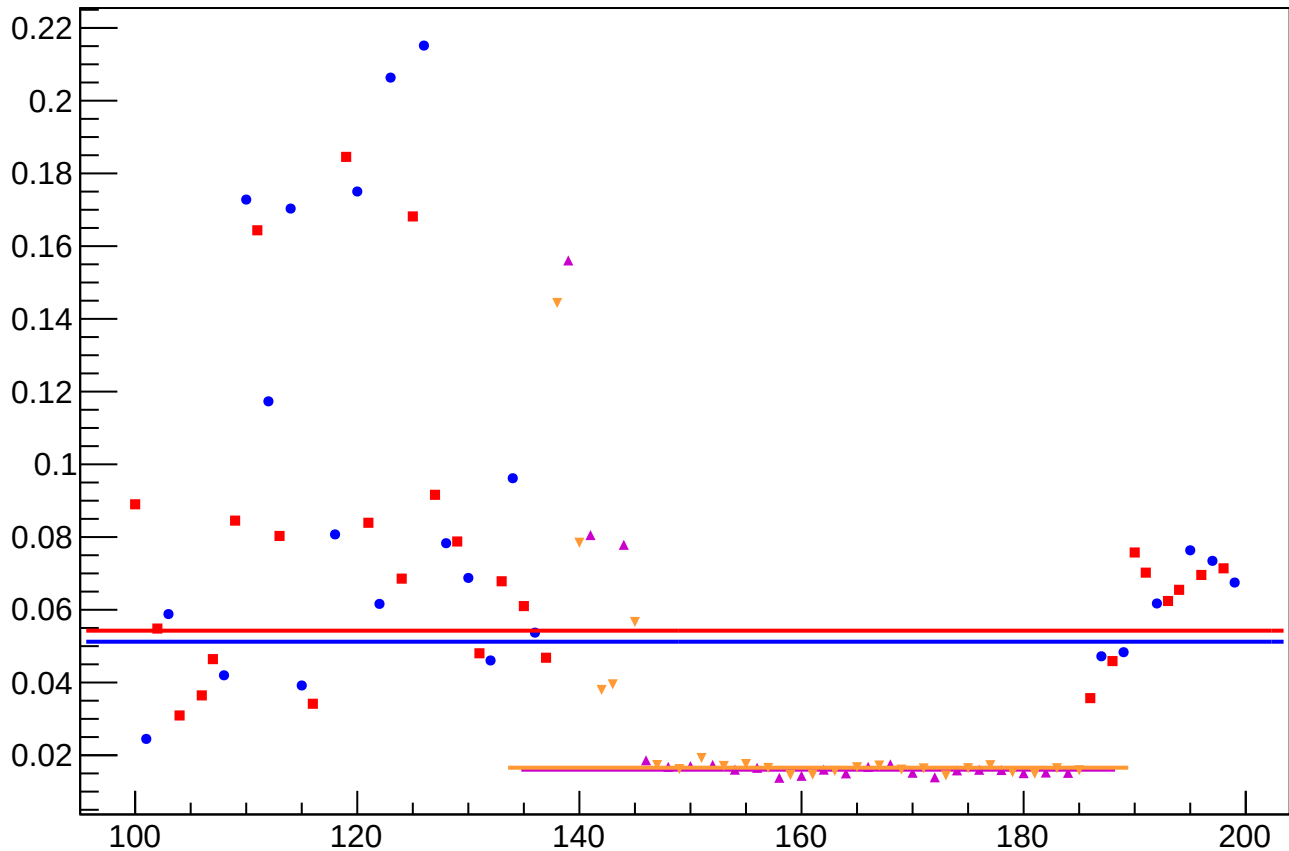
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.216 ± 0.000 $\chi^2/\text{NDF}: 86431433843.1/47$

All: 2.178 ± 0.000 $\chi^2/\text{NDF}: 172545410753.9$

- sign 2.141 ± 0.000 $\chi^2/\text{NDF}: 85959230090.8/49$

yield_bpm1X_rms vs Slug



Right In: 0.051+/-0.000 χ^2/NDF : 3369371.1/22

Left Out: 0.017+/-0.000 χ^2/NDF : 2623615.6/24

Right Out: 0.054+/-0.000 χ^2/NDF : 2730869.8/26

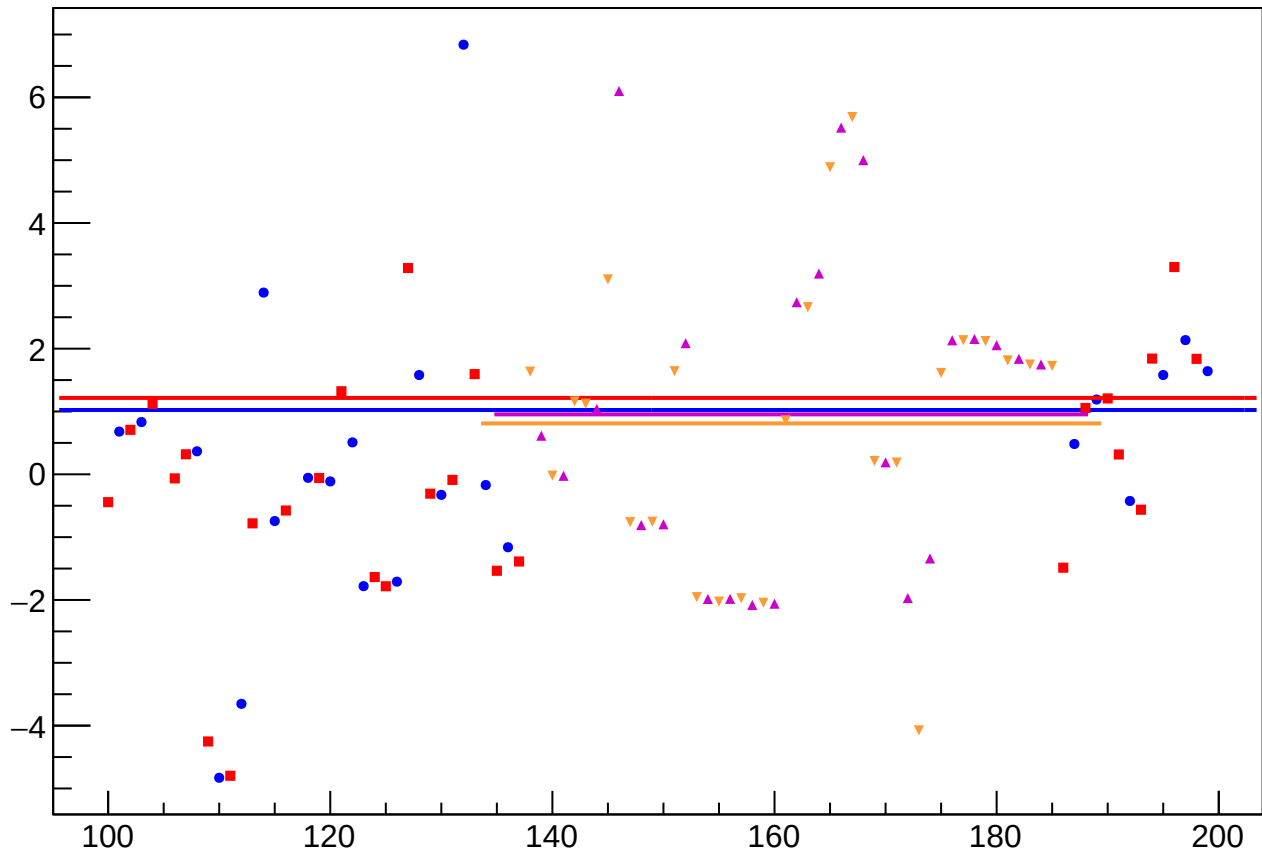
Left In: 0.016+/-0.000 χ^2/NDF : 2463853.3/22

+ sign 0.018+/-0.000 χ^2/NDF : 12040252.5/47

All: 0.018+/-0.000 χ^2/NDF : 25305564.7/97

- sign 0.018+/-0.000 χ^2/NDF : 13262390.9/49

yield_bpm1Y_mean vs Slug



Right In: 1.024 $\pm$ 0.000 χ^2 /NDF: 19443621255.5/22

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 1.216 $\pm$ 0.000 χ^2 /NDF: 23507563422.7/26

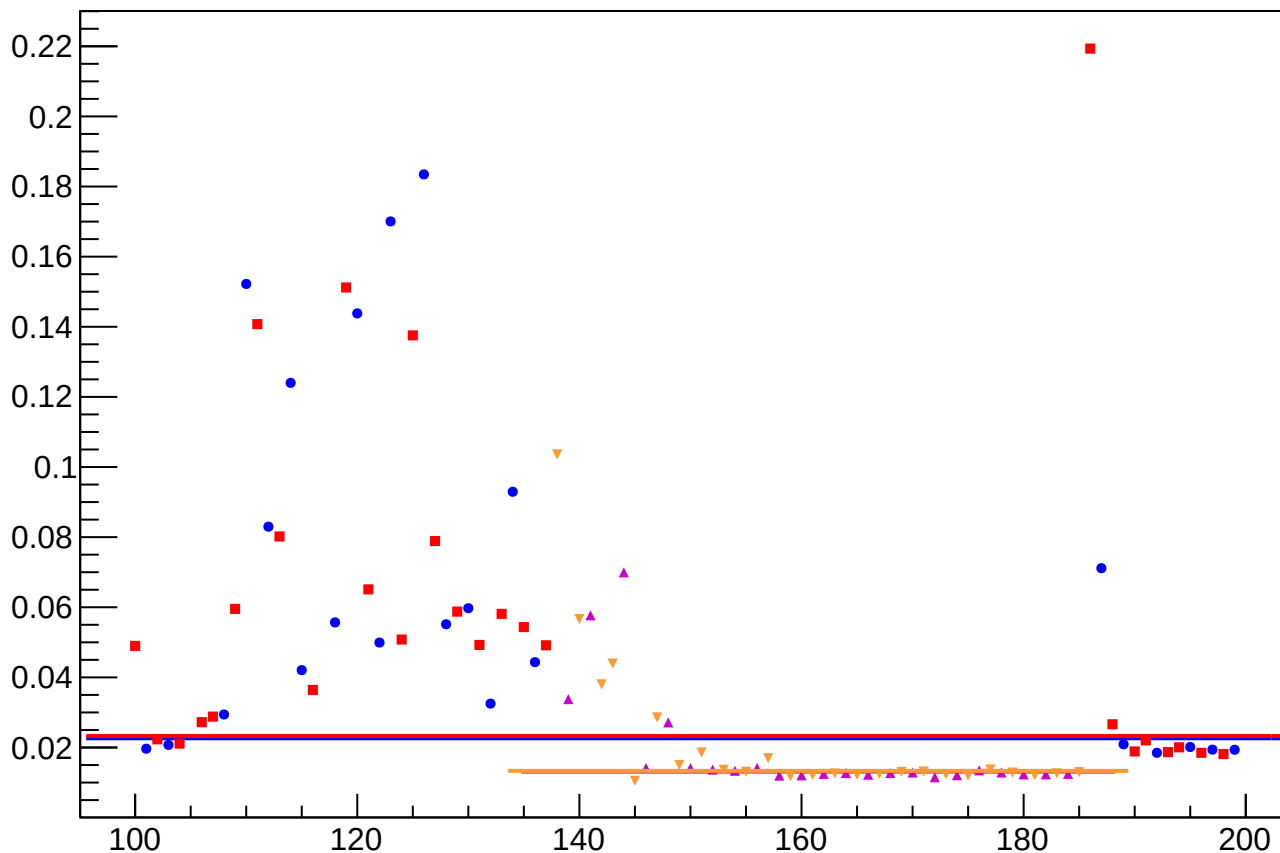
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 0.838 $\pm$ 0.000 χ^2 /NDF: 527526432009.7/47

All: 0.915 $\pm$ 0.000 χ^2 /NDF: 1127775619806.

- sign 0.990 $\pm$ 0.000 χ^2 /NDF: 599106083527.1/49

yield_bpm1Y_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 3634927.1/22

Left Out: 0.013+/-0.000 χ^2/NDF :2829070.5/24

Right Out: 0.023+/-0.000 χ^2/NDF : 4694240.9/26

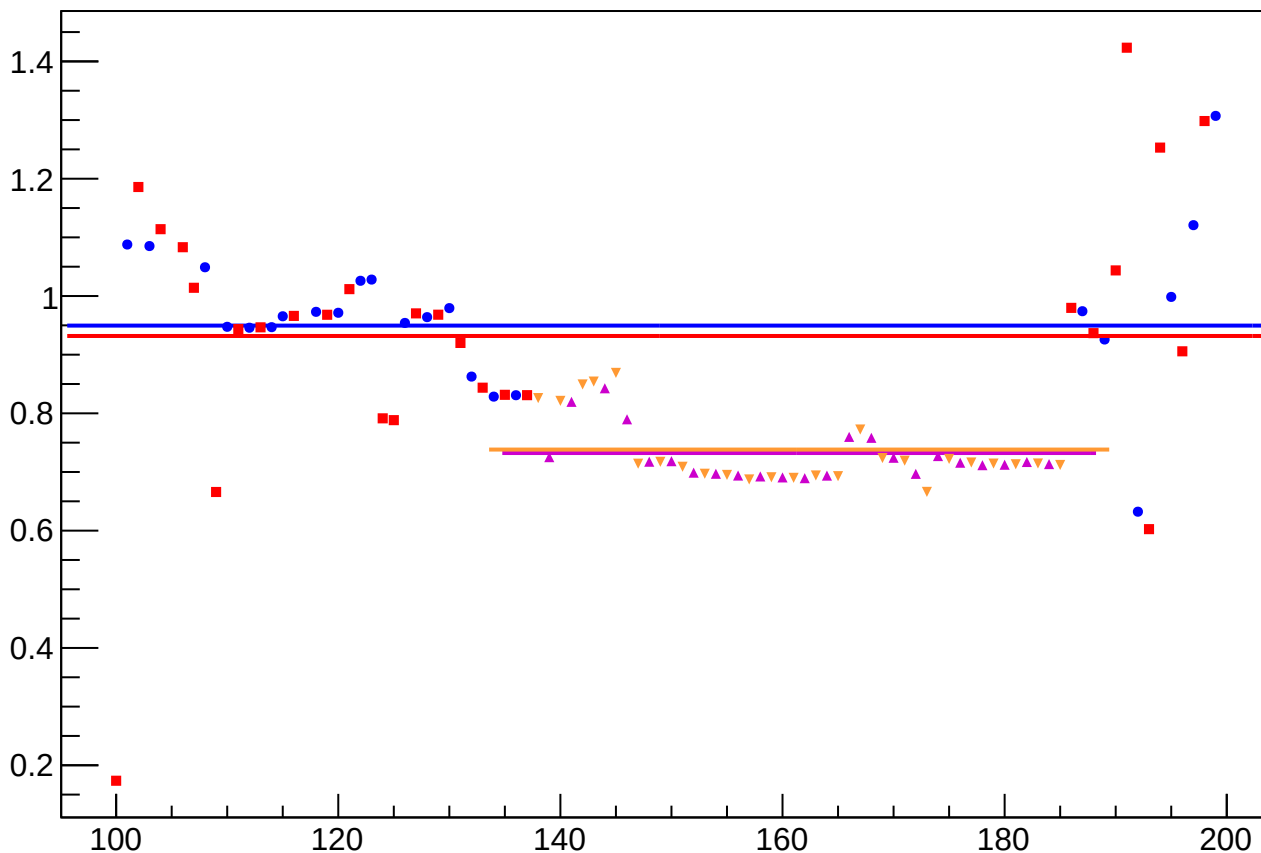
Left In: 0.013+/-0.000 χ^2/NDF :1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8357643.1/47

All: 0.015+/-0.000 χ^2/NDF : 17435476.9/97

- sign 0.015+/-0.000 χ^2/NDF : 9077820.6/49

yield_bpm11X_mean vs Slug



Right In: 0.950 $\pm$ 0.000 χ^2 /NDF: 413599283.4/22

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310610047.7/24

Right Out: 0.932 $\pm$ 0.000 χ^2 /NDF: 729818250.2/26

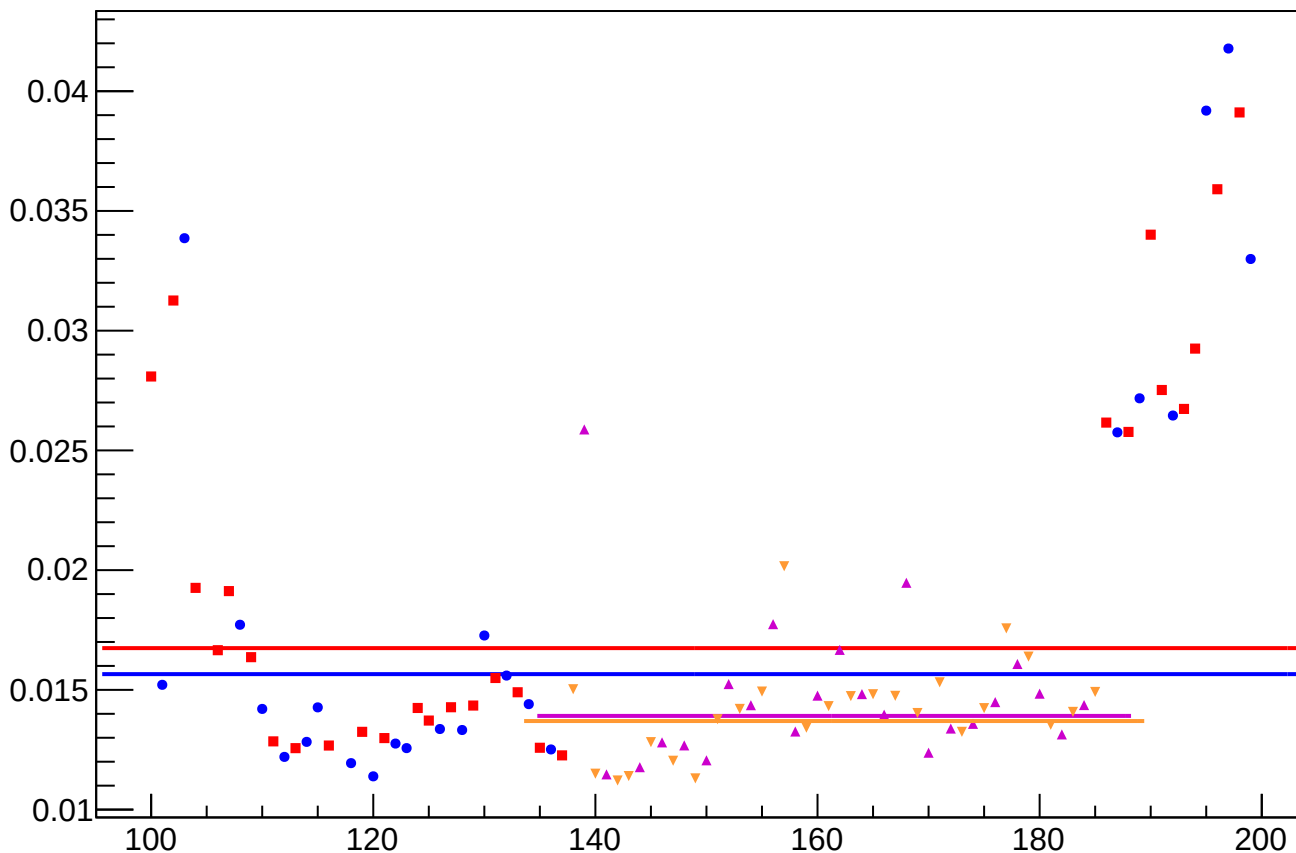
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF:170806298.1/22

+ sign 0.798 $\pm$ 0.000 χ^2 /NDF: 1813841426.5/47

All: 0.795 $\pm$ 0.000 χ^2 /NDF: 3680351702.0/97

- sign 0.792 $\pm$ 0.000 χ^2 /NDF: 1864791315.7/49

yield_bpm11X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 2787801.6/22

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 530851.9/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 2780079.7/26

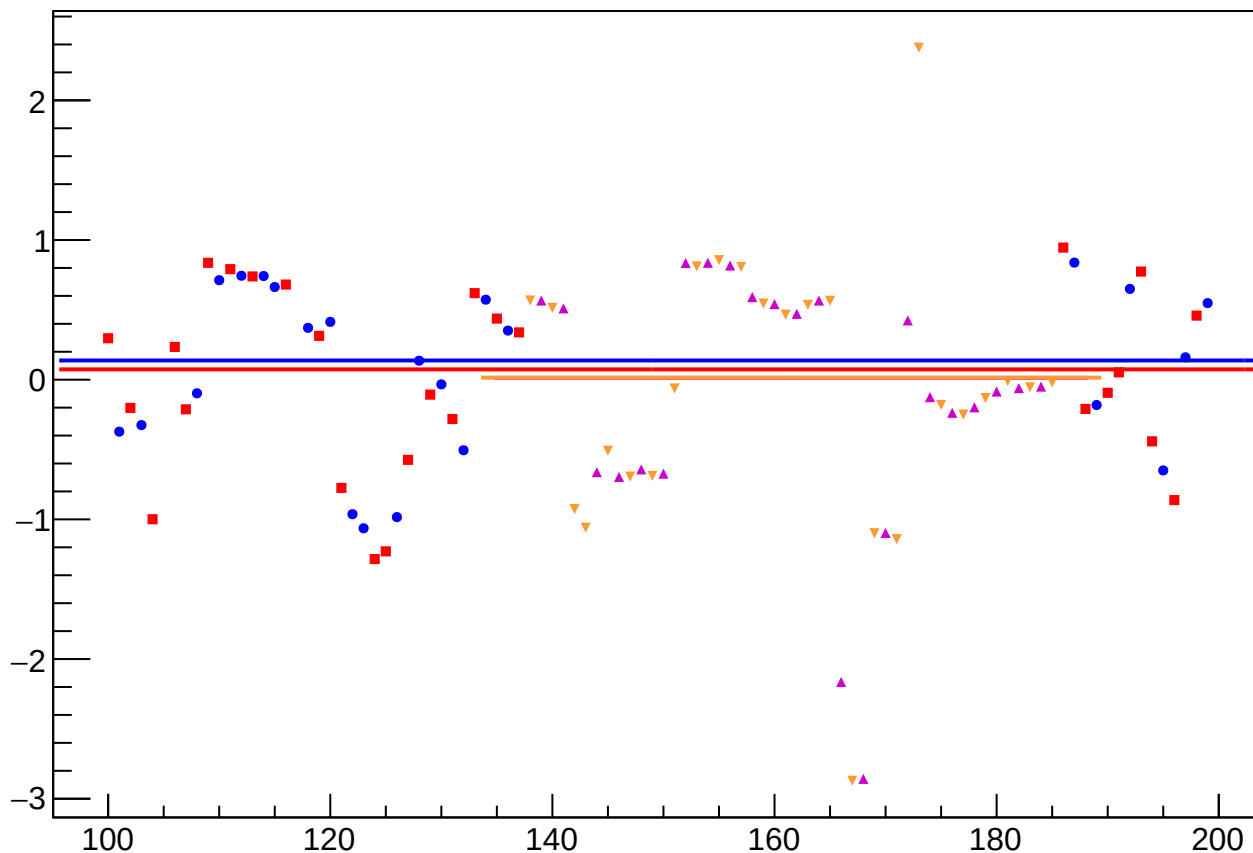
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 794558.0/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 3505938.2/47

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 7499746.2/97

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 3962621.4/49

yield_bpm11Y_mean vs Slug



Right In: 0.138 $\pm$ 0.000 χ^2 /NDF: 13428326596.1/22

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96087835995.8/24

Right Out: 0.074 $\pm$ 0.000 χ^2 /NDF: 23591235669.3/26

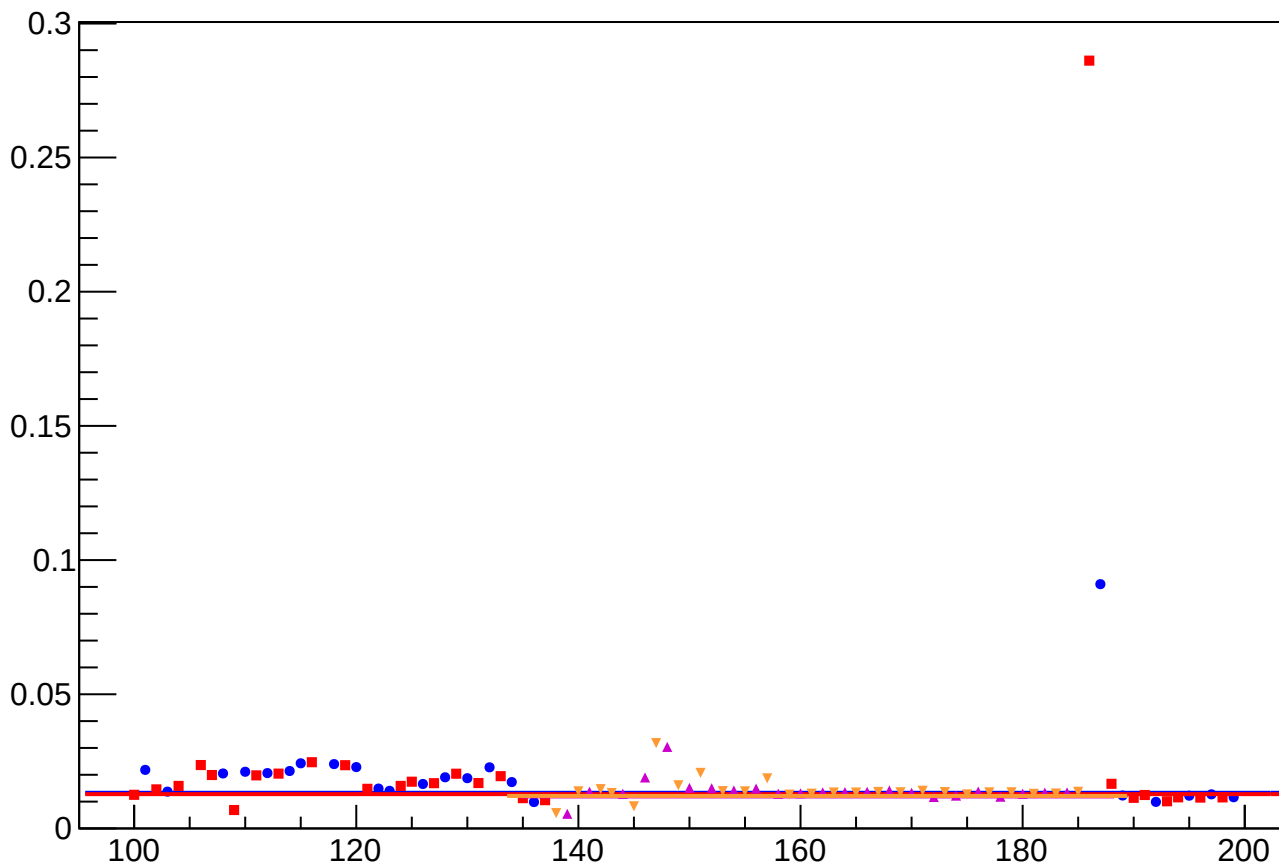
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.053 $\pm$ 0.000 χ^2 /NDF: 110033385110.2/47

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 213238575459.6

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 103177510972.8/49

yield_bpm11Y_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1816169.9/22

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2500919.5/26

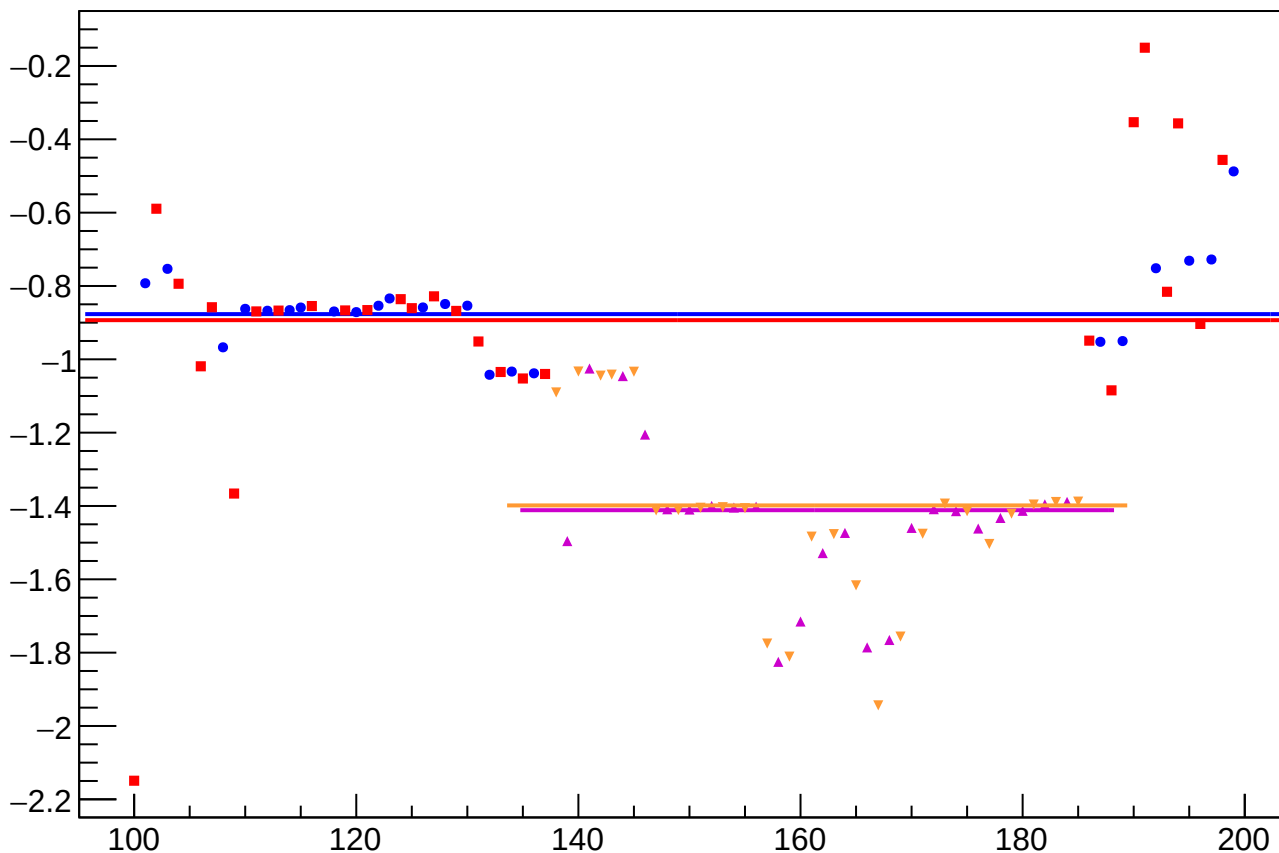
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5018568.4/47

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10691686.2/97

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5663025.9/49

yield_bpm12X_mean vs Slug



Right In: -0.877+/-0.000 χ^2/NDF : 68710606.7/22

Left Out: -1.398+/-0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.893+/-0.000 χ^2/NDF : 258580118.7/26

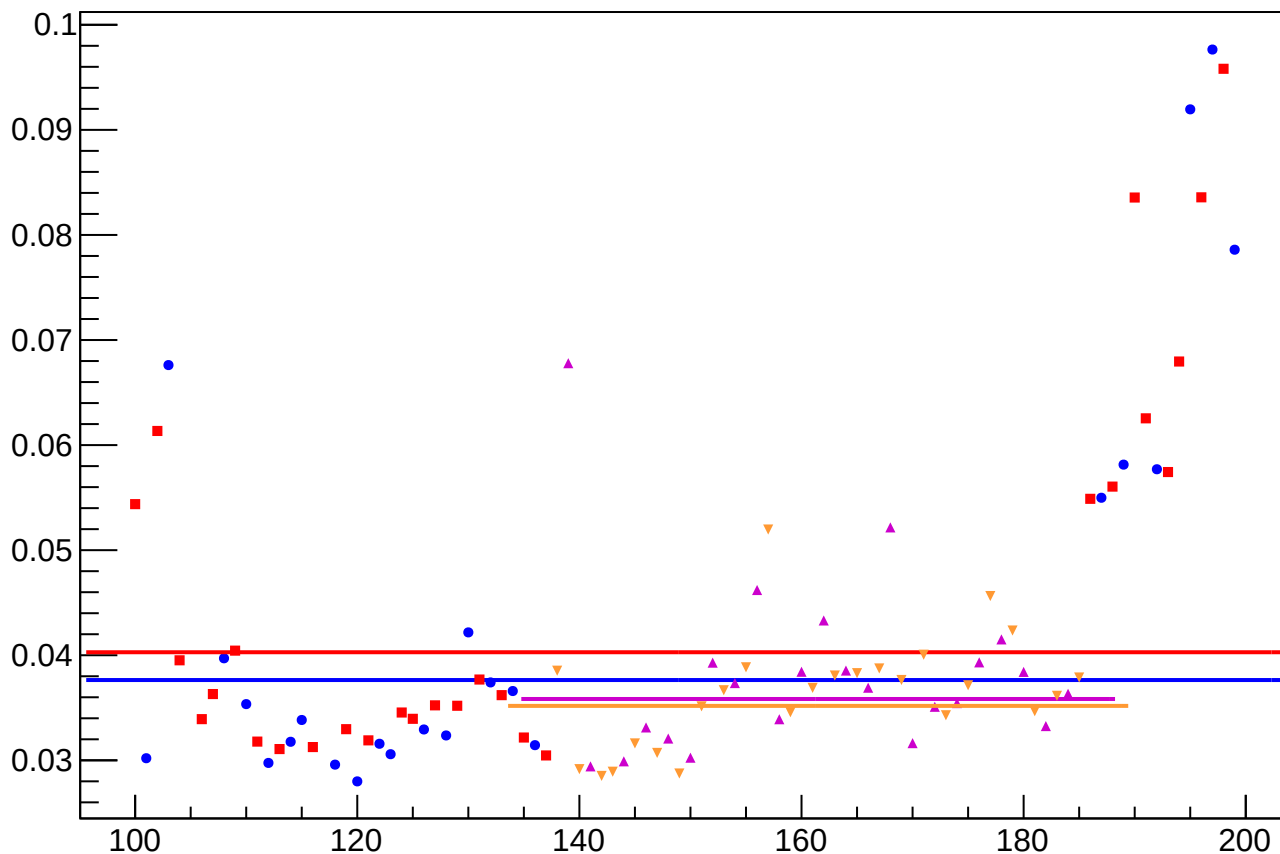
Left In: -1.412+/-0.000 χ^2/NDF : 512629872.4/22

+ sign -1.234+/-0.000 χ^2/NDF : 1918421962.9/47

All: -1.235+/-0.000 χ^2/NDF : 3776440131.4/9

- sign -1.236+/-0.000 χ^2/NDF : 1857956556.7/49

yield_bpm12X_rms vs Slug



Right In: 0.038 $\pm$ 0.000 χ^2 /NDF: 2451321.6/22

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.040 $\pm$ 0.000 χ^2 /NDF: 2288902.0/26

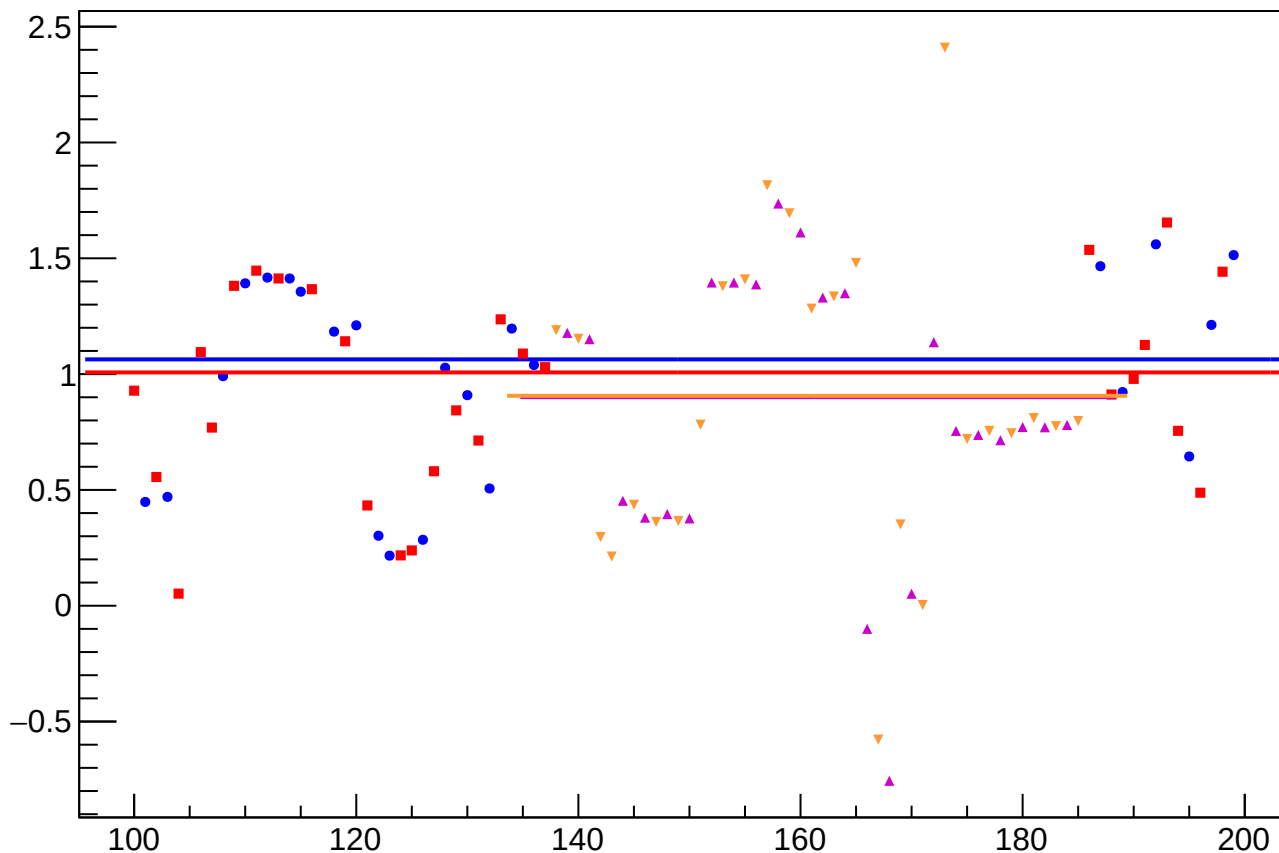
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 3098799.0/47

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 6474258.7/97

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 3340029.9/49

yield_bpm12Y_mean vs Slug



Right In: 1.064 $\pm$ 0.000 χ^2 /NDF: 17241216974.7/22

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 1.007 $\pm$ 0.000 χ^2 /NDF: 21540026725.3/26

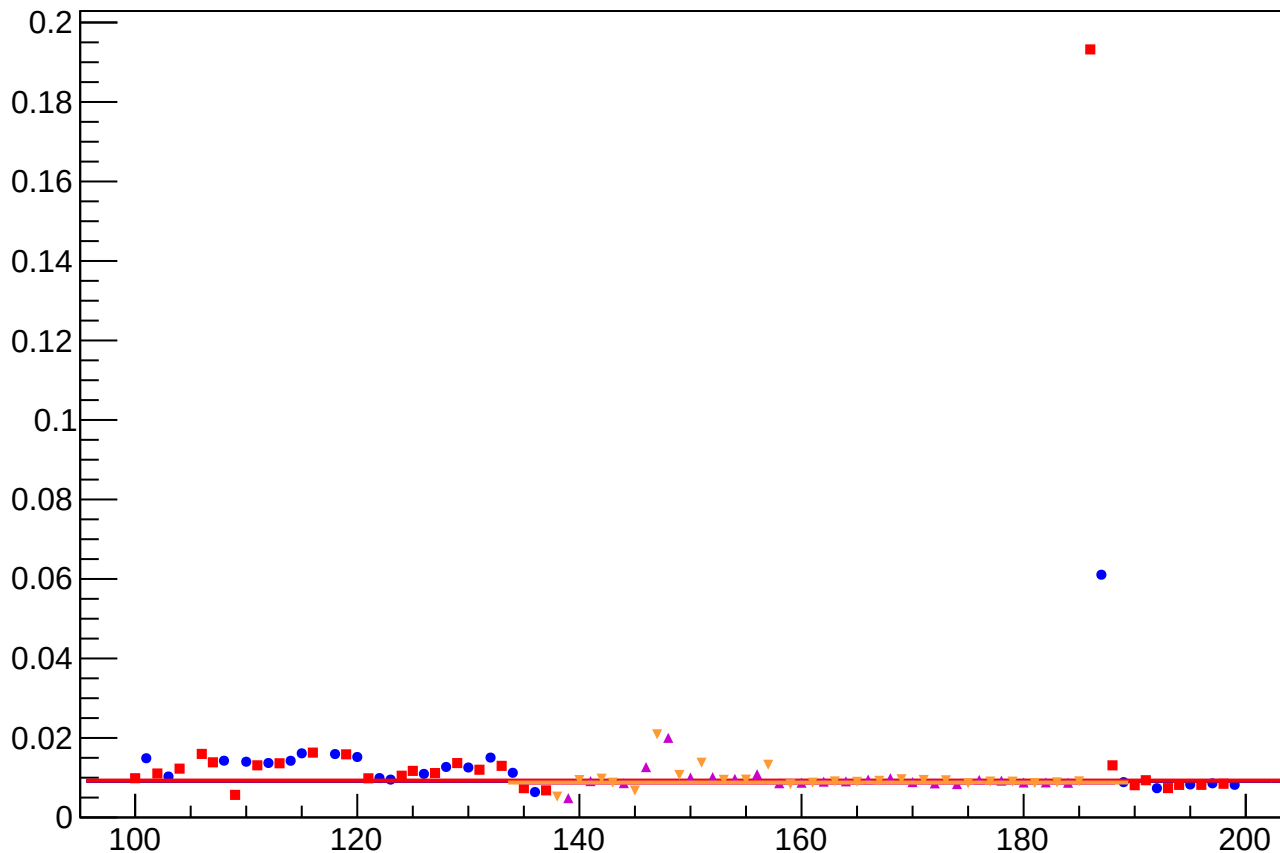
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.958 $\pm$ 0.000 χ^2 /NDF: 103116303068.2/47

All: 0.948 $\pm$ 0.000 χ^2 /NDF: 192492483196.4

- sign 0.939 $\pm$ 0.000 χ^2 /NDF: 89317768910.0/49

yield_bpm12Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1693434.2/22

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2170539.5/26

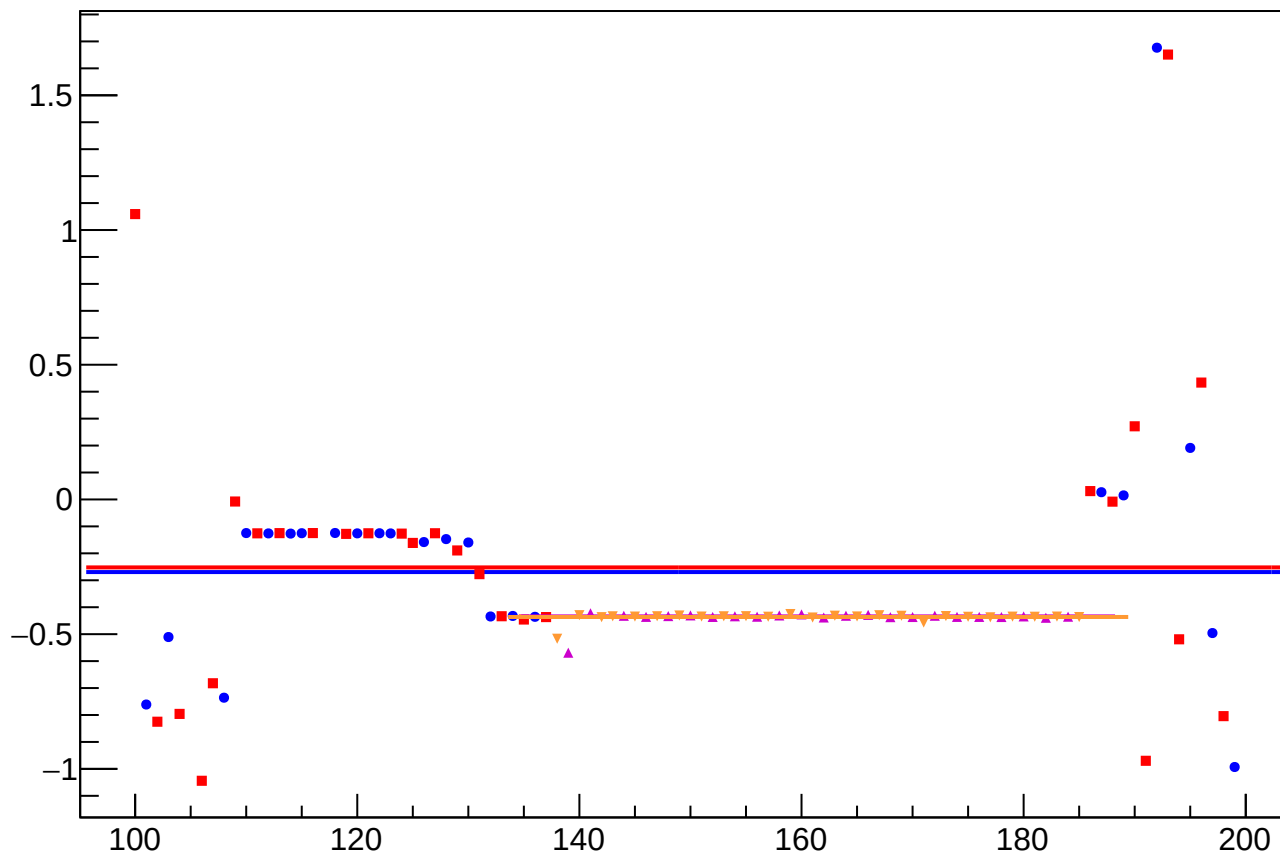
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3415154.8/47

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7297994.8/97

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3882802.2/49

yield_bpm16X_mean vs Slug



Right In: -0.270 ± 0.000 $\chi^2/\text{NDF}: 1998292898.5/22$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28776503.9/24$

Right Out: -0.252 ± 0.000 $\chi^2/\text{NDF}: 1880612995.1/26$

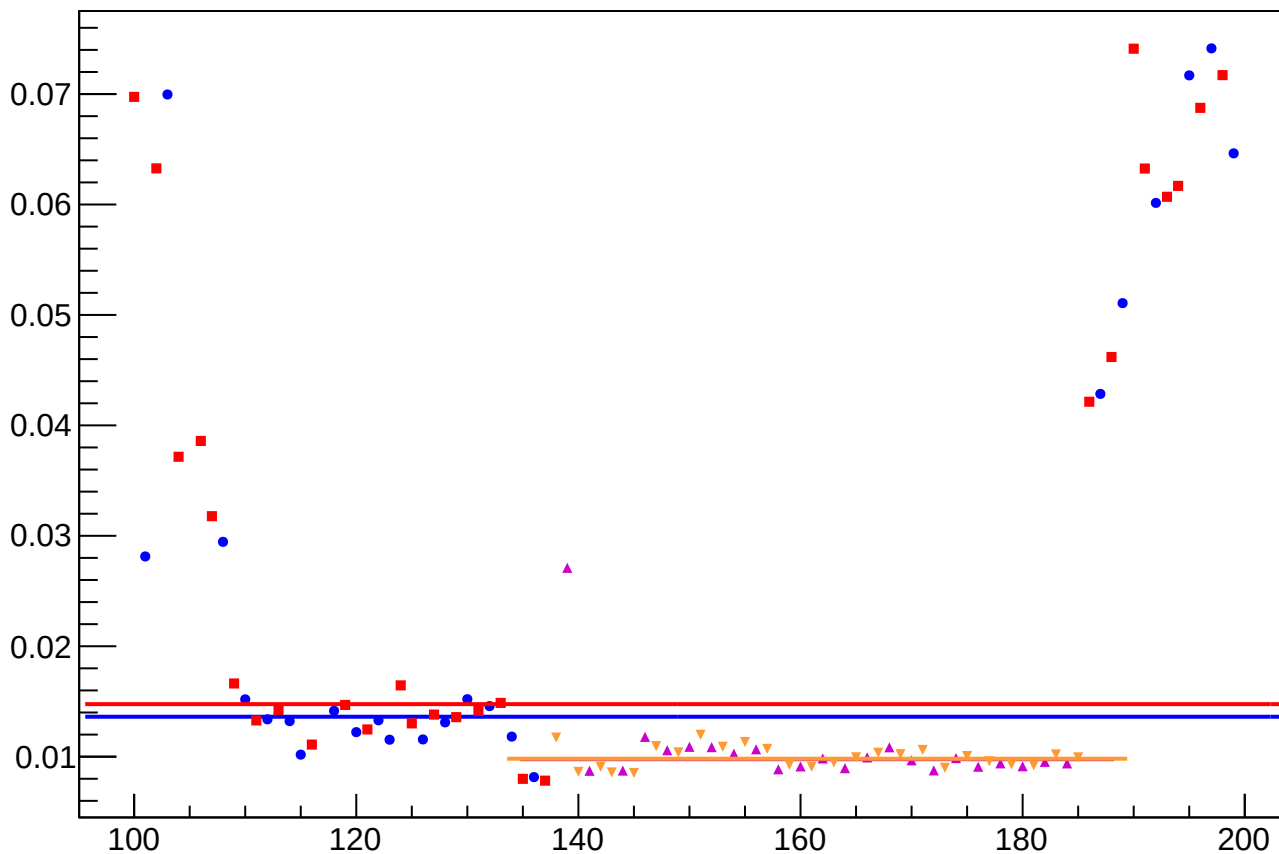
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20164730.3/22$

+ sign -0.408 ± 0.000 $\chi^2/\text{NDF}: 2778990542.7/47$

All: -0.406 ± 0.000 $\chi^2/\text{NDF}: 5538723147.2/9$

- sign -0.403 ± 0.000 $\chi^2/\text{NDF}: 2757200064.4/49$

yield_bpm16X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 6528397.0/22

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:271172.3/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 7669262.6/26

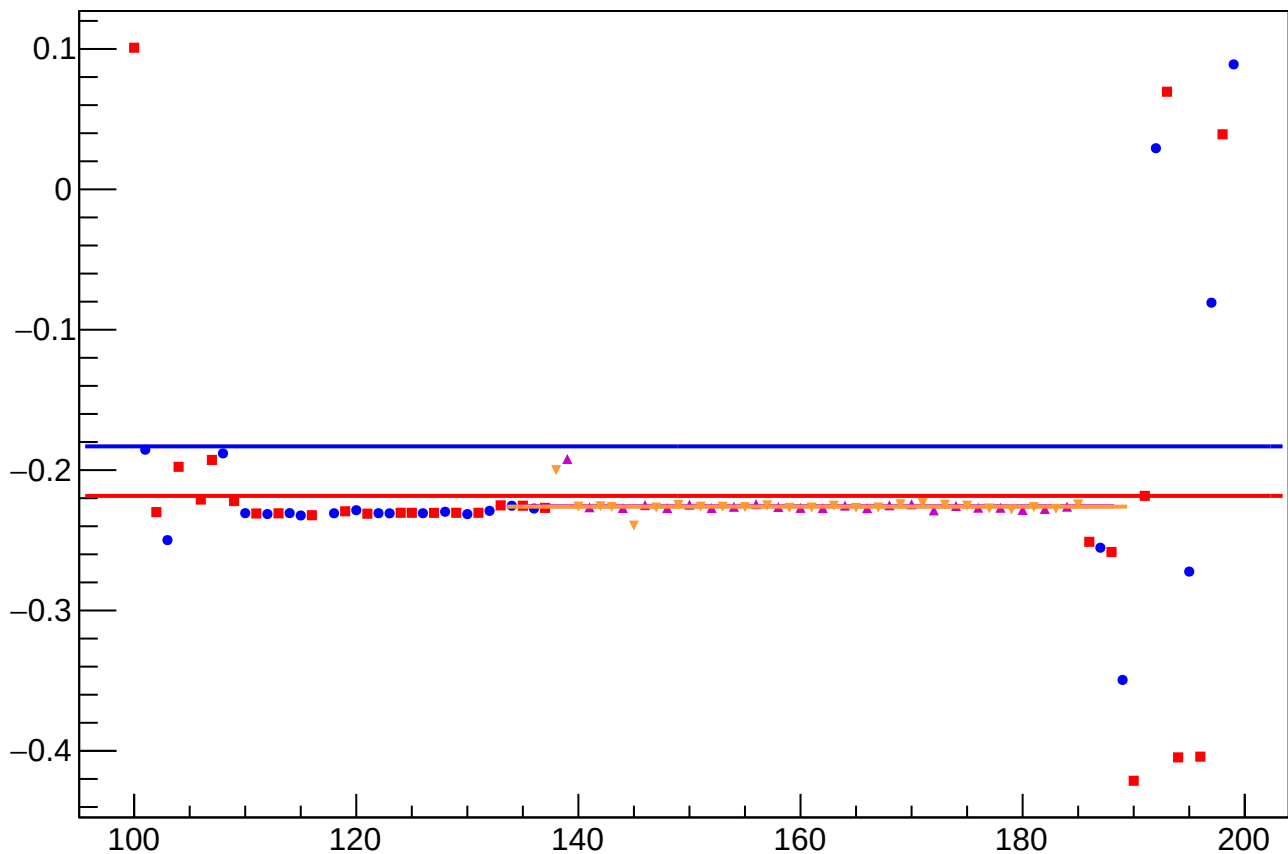
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:786577.8/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 7582139.1/47

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 17331565.8/97

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 9744144.4/49

yield_bpm16Y_mean vs Slug



Right In: -0.183 ± 0.000 $\chi^2/\text{NDF}: 4190348997.9/22$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21207366.3/24$

Right Out: -0.218 ± 0.000 $\chi^2/\text{NDF}: 5464306540.0/26$

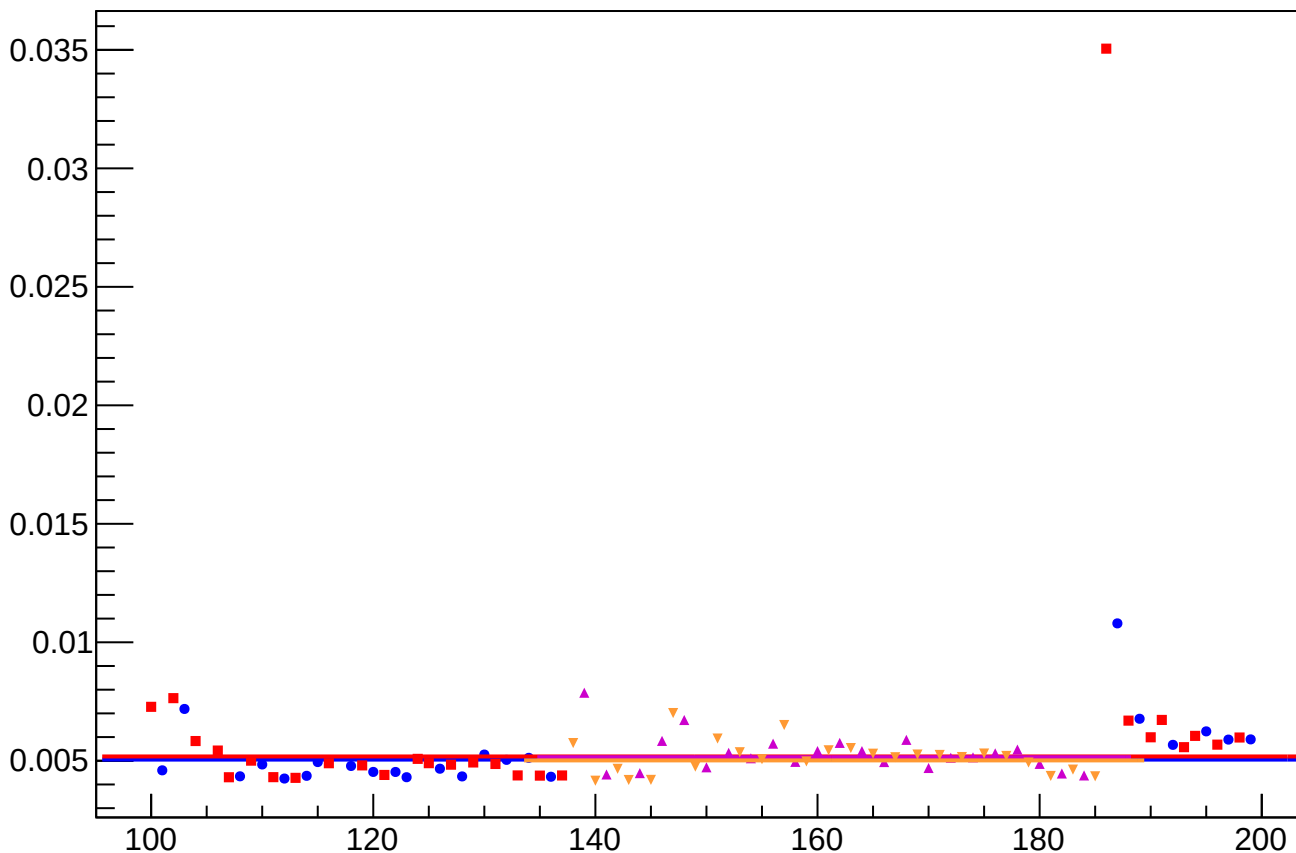
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 13717302.5/22$

+ sign -0.211 ± 0.000 $\chi^2/\text{NDF}: 4657564930.9/47$

All: -0.217 ± 0.000 $\chi^2/\text{NDF}: 10223194961.7/100$

- sign -0.223 ± 0.000 $\chi^2/\text{NDF}: 5491158666.1/49$

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 528101.2/22

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1054136.7/26

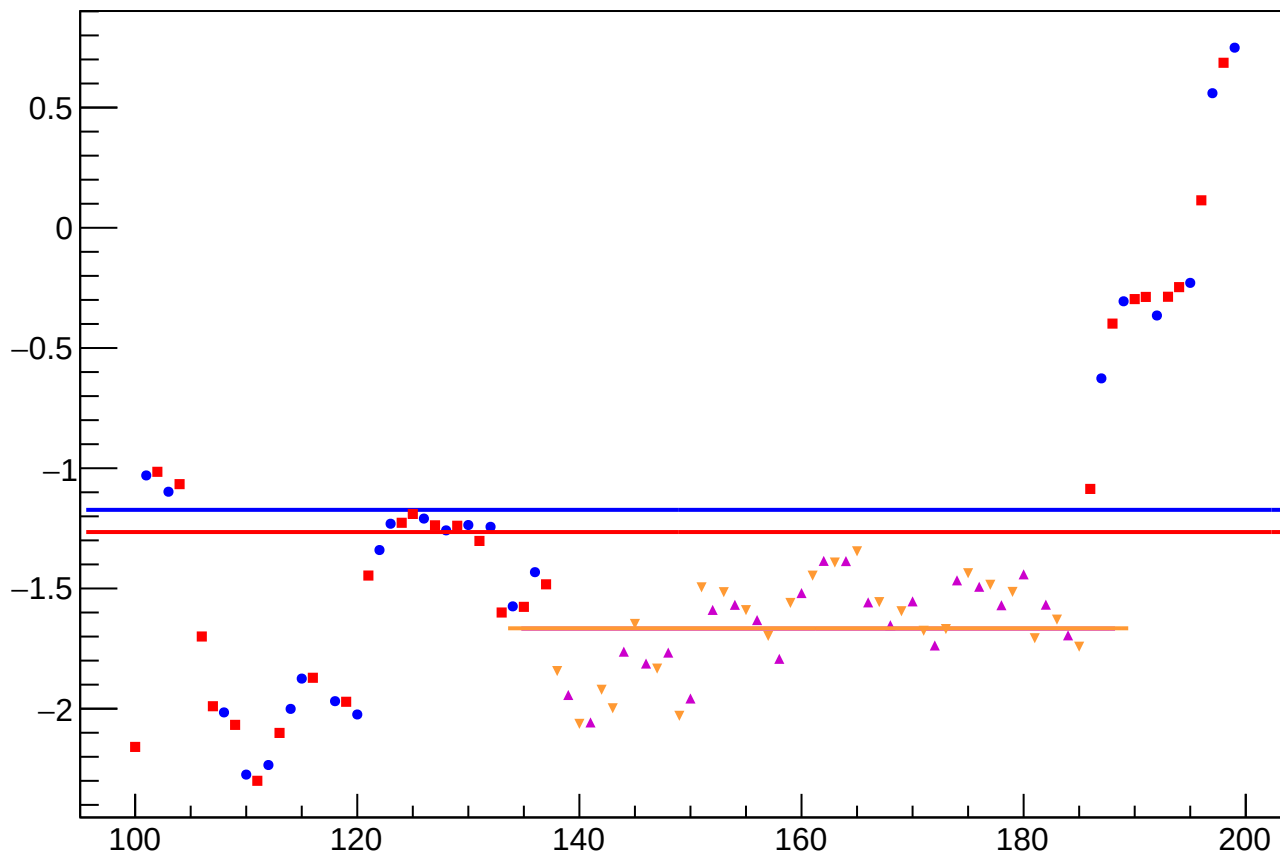
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1061282.8/47

All: 0.005+/-0.000 χ^2/NDF : 2638739.4/97

- sign 0.005+/-0.000 χ^2/NDF : 1558696.3/49

yield_bpm0l01X_mean vs Slug



Right In: -1.173 ± 0.000 $\chi^2/\text{NDF}: 100403125078.5/22$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18368038680.8/24$

Right Out: -1.265 ± 0.000 $\chi^2/\text{NDF}: 119687578286.8/26$

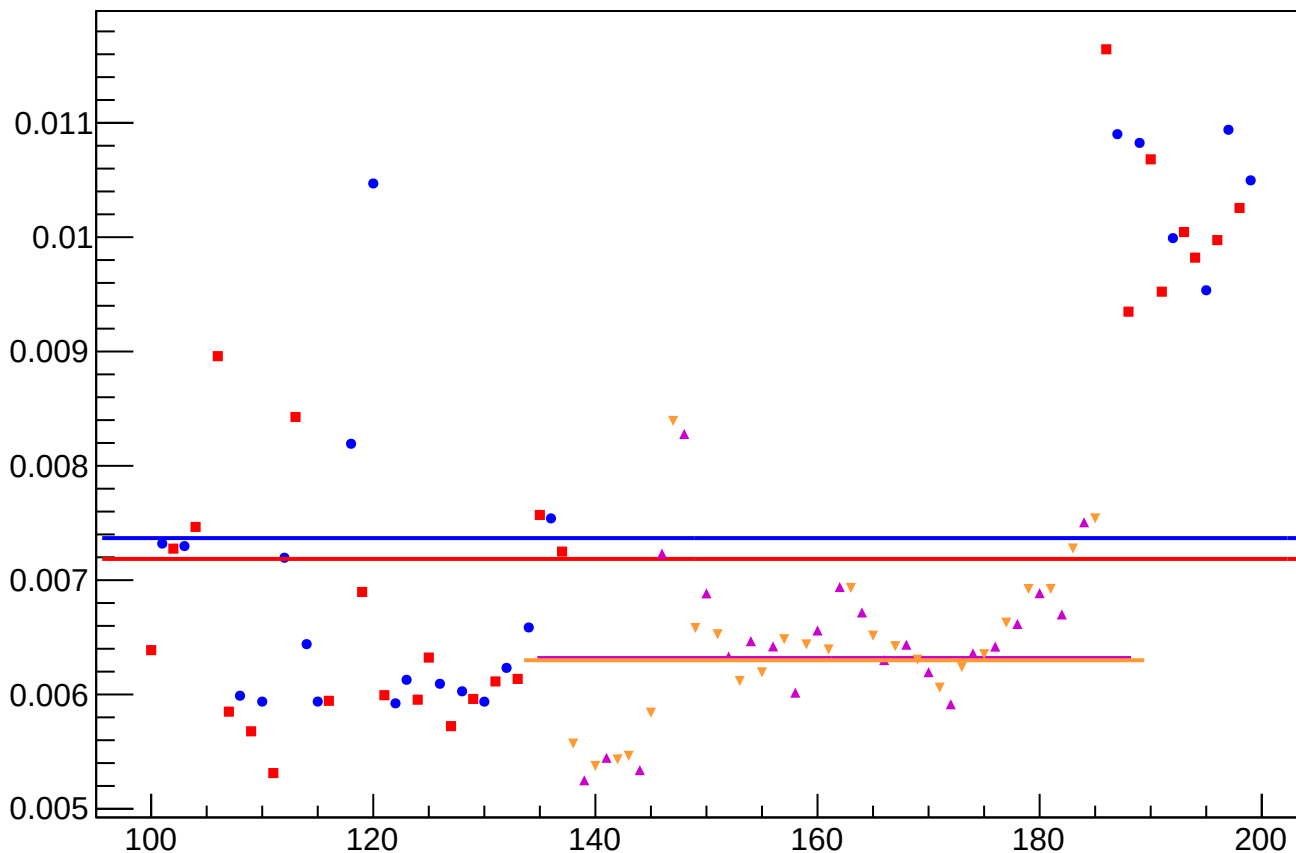
Left In: -1.667 ± 0.000 $\chi^2/\text{NDF}: 14615453869.3/22$

+ sign -1.526 ± 0.000 $\chi^2/\text{NDF}: 149109186270.8/47$

All: -1.528 ± 0.000 $\chi^2/\text{NDF}: 306052307142.0$

- sign -1.531 ± 0.000 $\chi^2/\text{NDF}: 156936930394.0/49$

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 981293.8/22

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 1253257.9/26

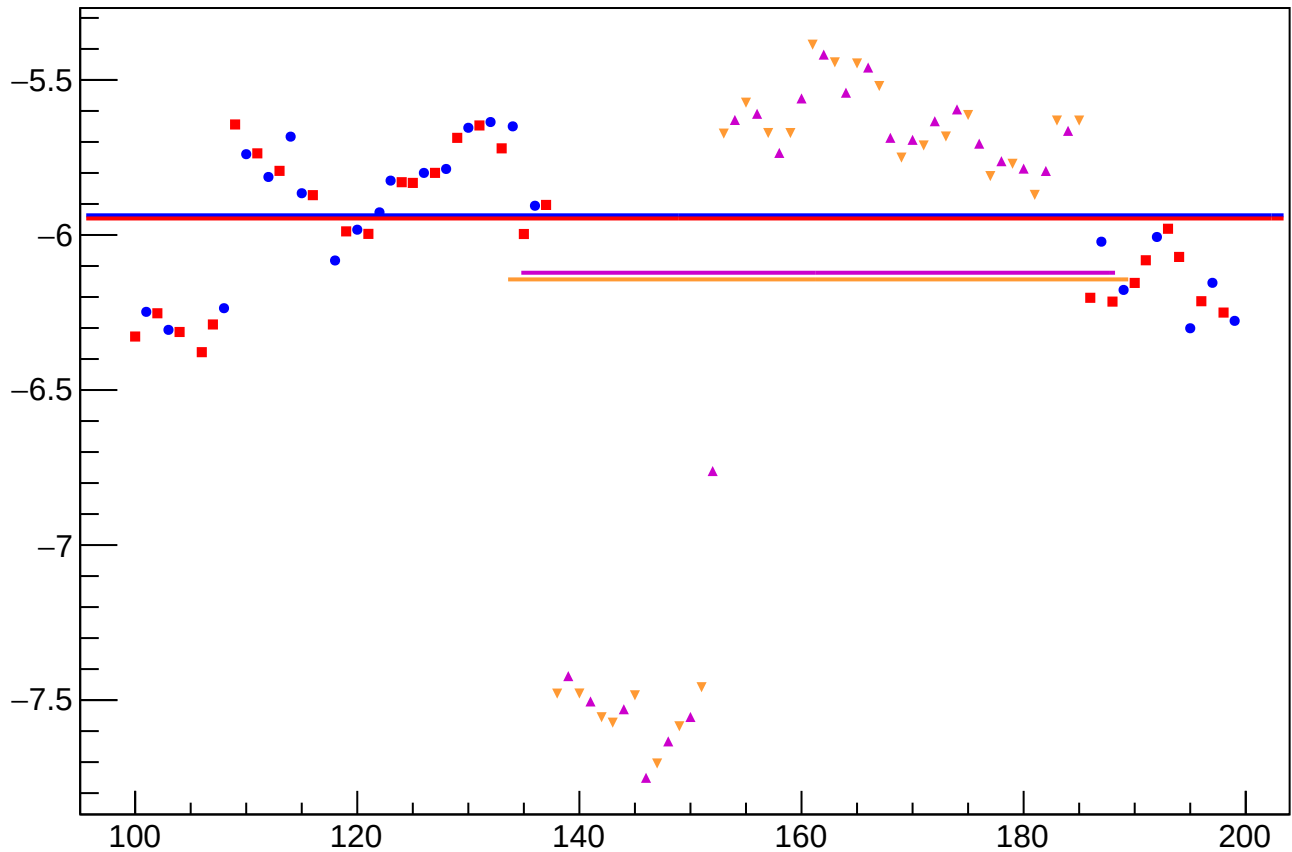
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 1579526.6/47

All: 0.007+/-0.000 χ^2/NDF : 3378193.4/97

- sign 0.007+/-0.000 χ^2/NDF : 1798591.9/49

yield_bpm0l01Y_mean vs Slug



Right In: -5.937+/-0.000 χ^2/NDF : 12820279679.4/22

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.947+/-0.000 χ^2/NDF : 14459290070.3/26

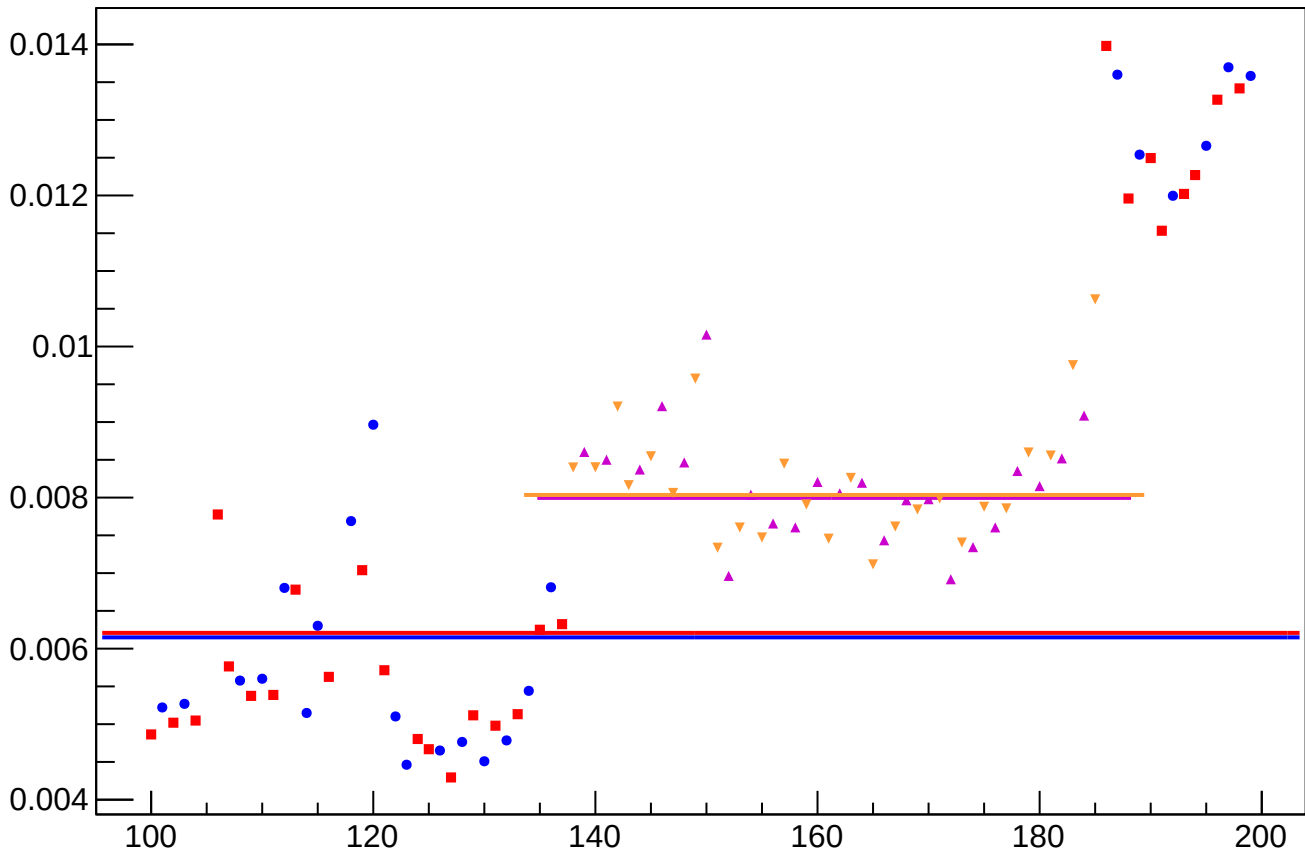
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.047+/-0.000 χ^2/NDF : 203665157787.3/47

All: -6.040+/-0.000 χ^2/NDF : 381925961187.6

- sign -6.033+/-0.000 χ^2/NDF : 178215042673.8/49

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2663061.2/22

Left Out: 0.008+/-0.000 χ^2/NDF :205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 3077838.8/26

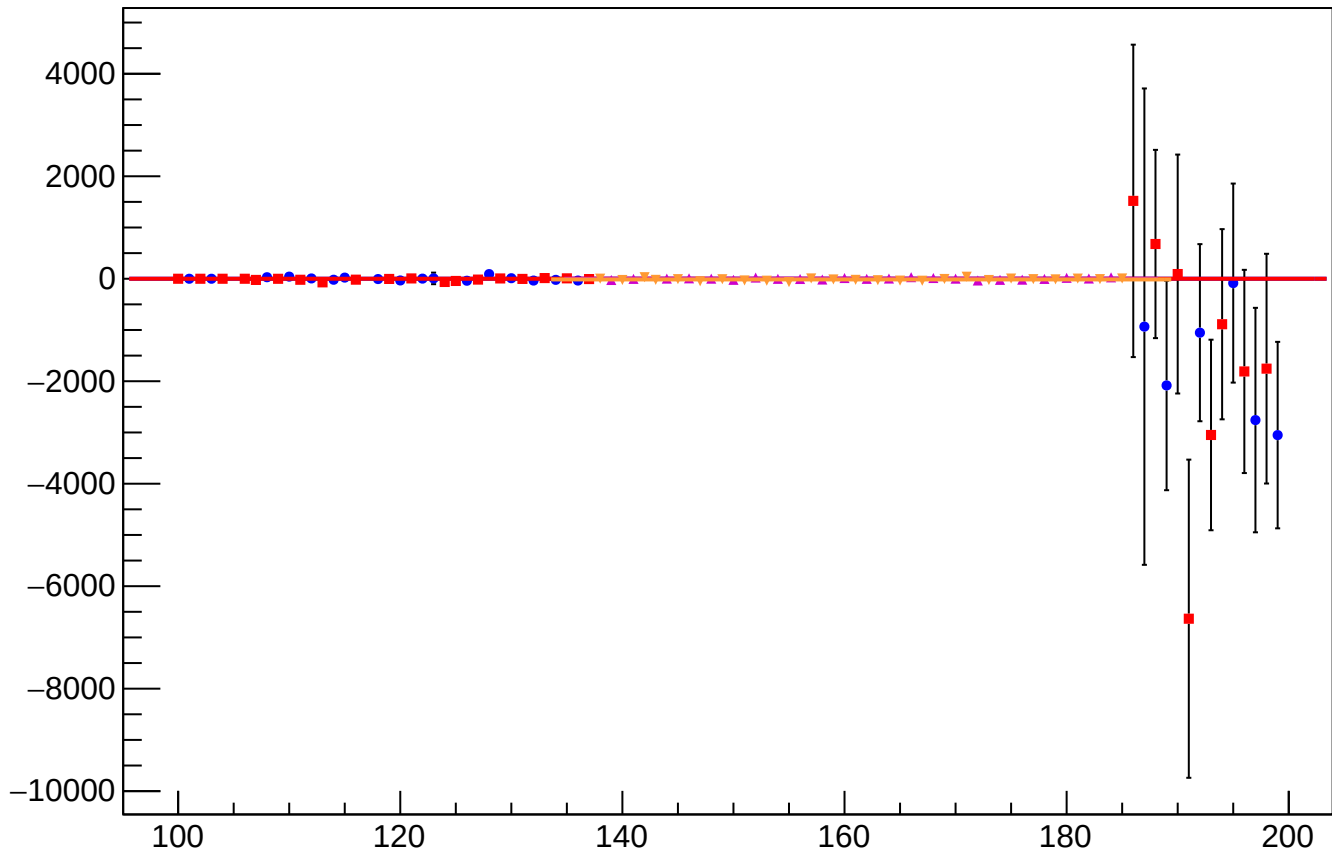
Left In: 0.008+/-0.000 χ^2/NDF :220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 3721308.2/47

All: 0.007+/-0.000 χ^2/NDF : 7823829.3/97

- sign 0.007+/-0.000 χ^2/NDF : 4100542.2/49

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 22.1/22

Left Out: -13.472+/-2.796 χ^2/NDF : 58.5/24

Right Out: 0.003+/-0.016 χ^2/NDF : 24.3/26

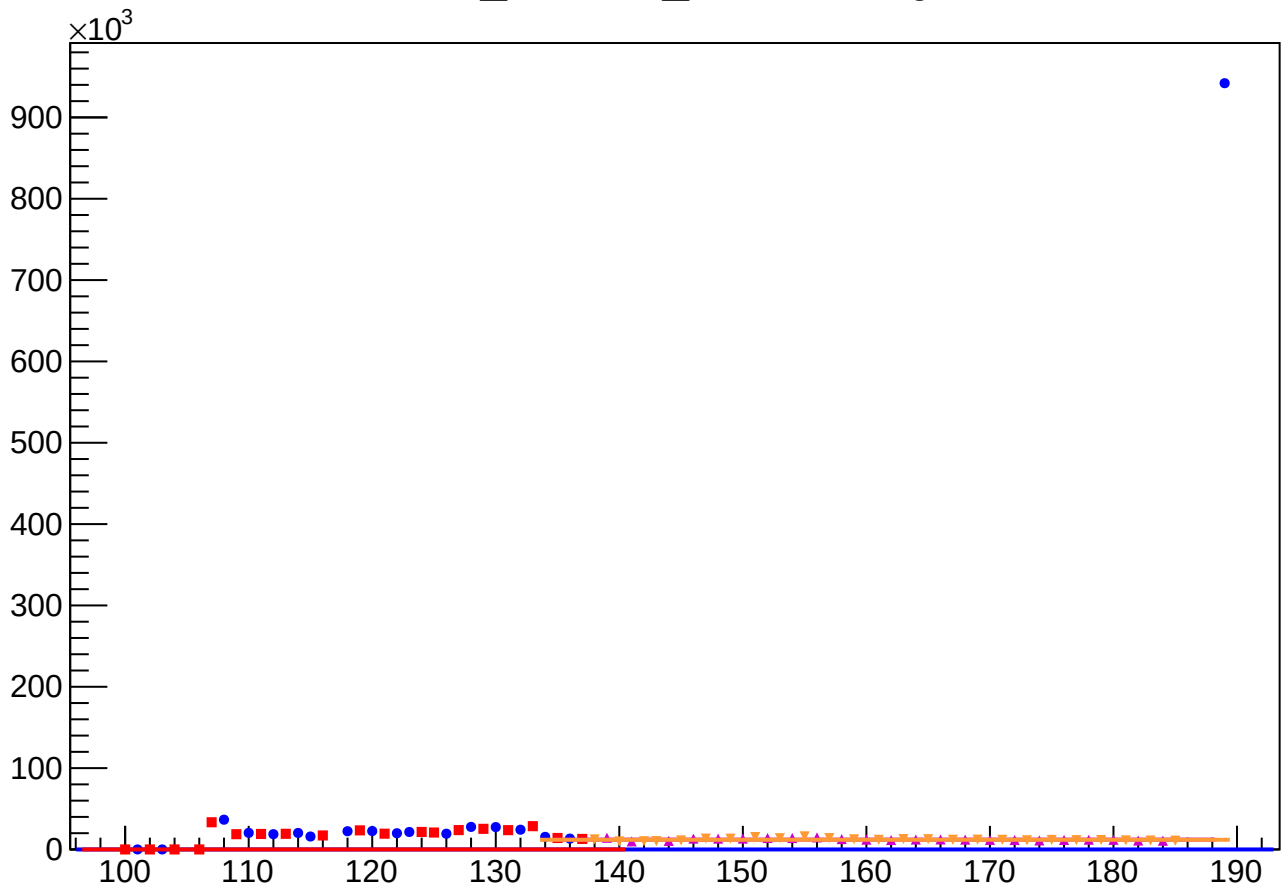
Left In: -0.489+/-2.905 χ^2/NDF : 28.7/22

+ sign 0.013+/-0.017 χ^2/NDF : 103.9/47

All: 0.008+/-0.012 χ^2/NDF : 157.0/97

- sign 0.003+/-0.016 χ^2/NDF : 53.0/49

diff_cav4bX_rms vs Slug



Right In: 18.640 $\pm$ 0.012 χ^2 /NDF: 10982766.4/17

Left Out: 11909.835 $\pm$ 1.977 χ^2 /NDF: 475310.2/24

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11056055.0/18

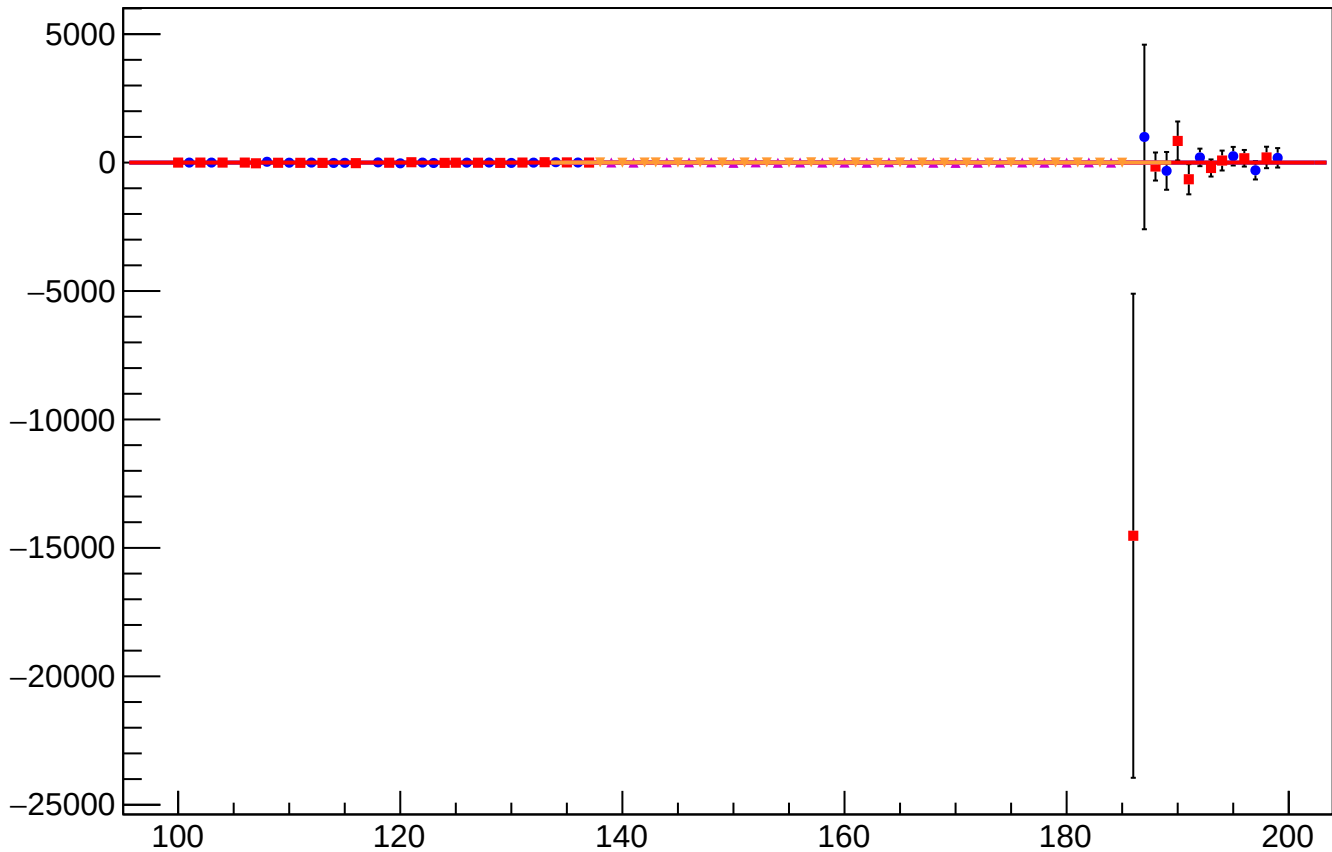
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.097 $\pm$ 0.012 χ^2 /NDF: 47623008.9/42

All: 18.873 $\pm$ 0.008 χ^2 /NDF: 93432232.0/84

- sign 18.680 $\pm$ 0.011 χ^2 /NDF: 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 16.7/22

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.5/26

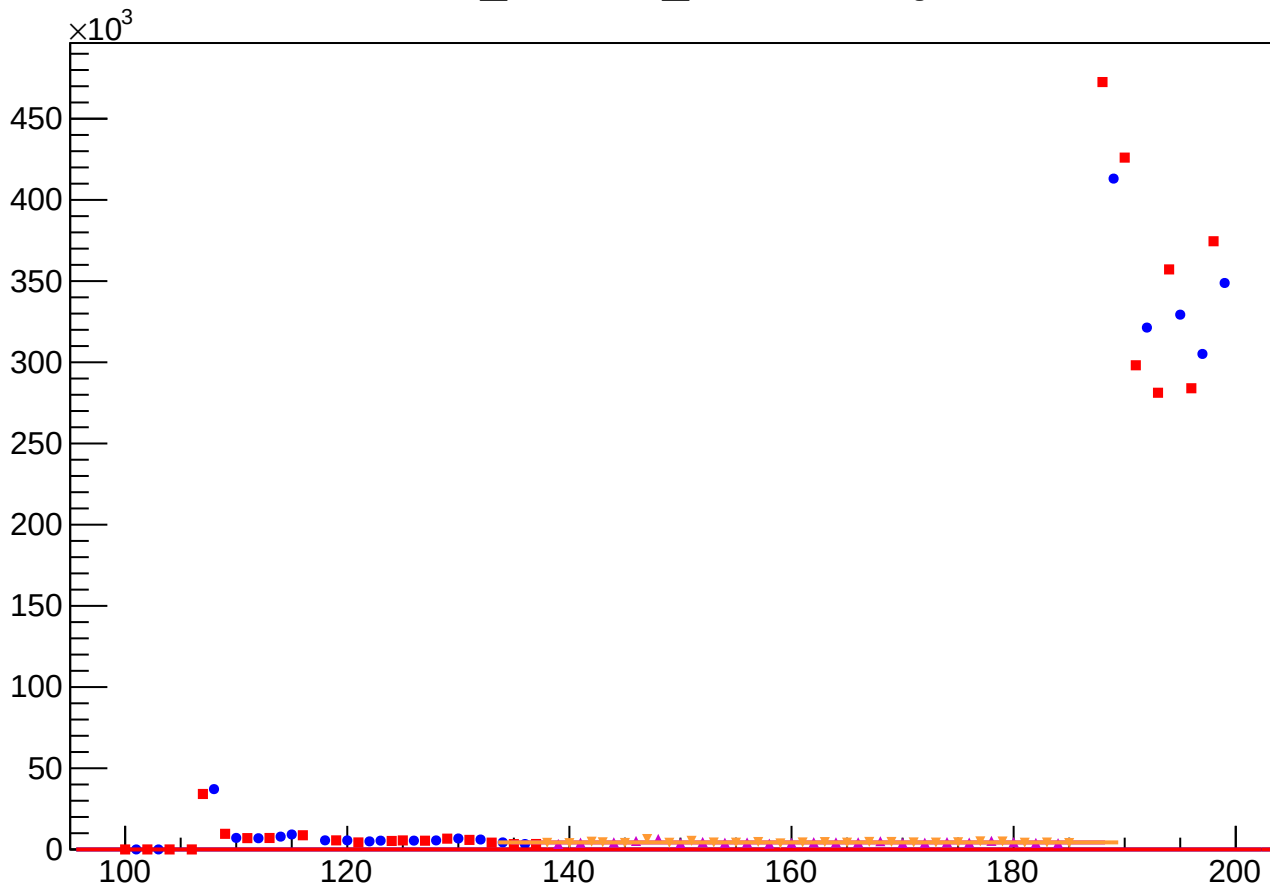
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 37.3/47

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 99.1/97

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.8/49

diff_cav4bY_rms vs Slug



Right In: 9.939 ± 0.007 χ^2/NDF : 18129853.0/21

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 20008610.6/25

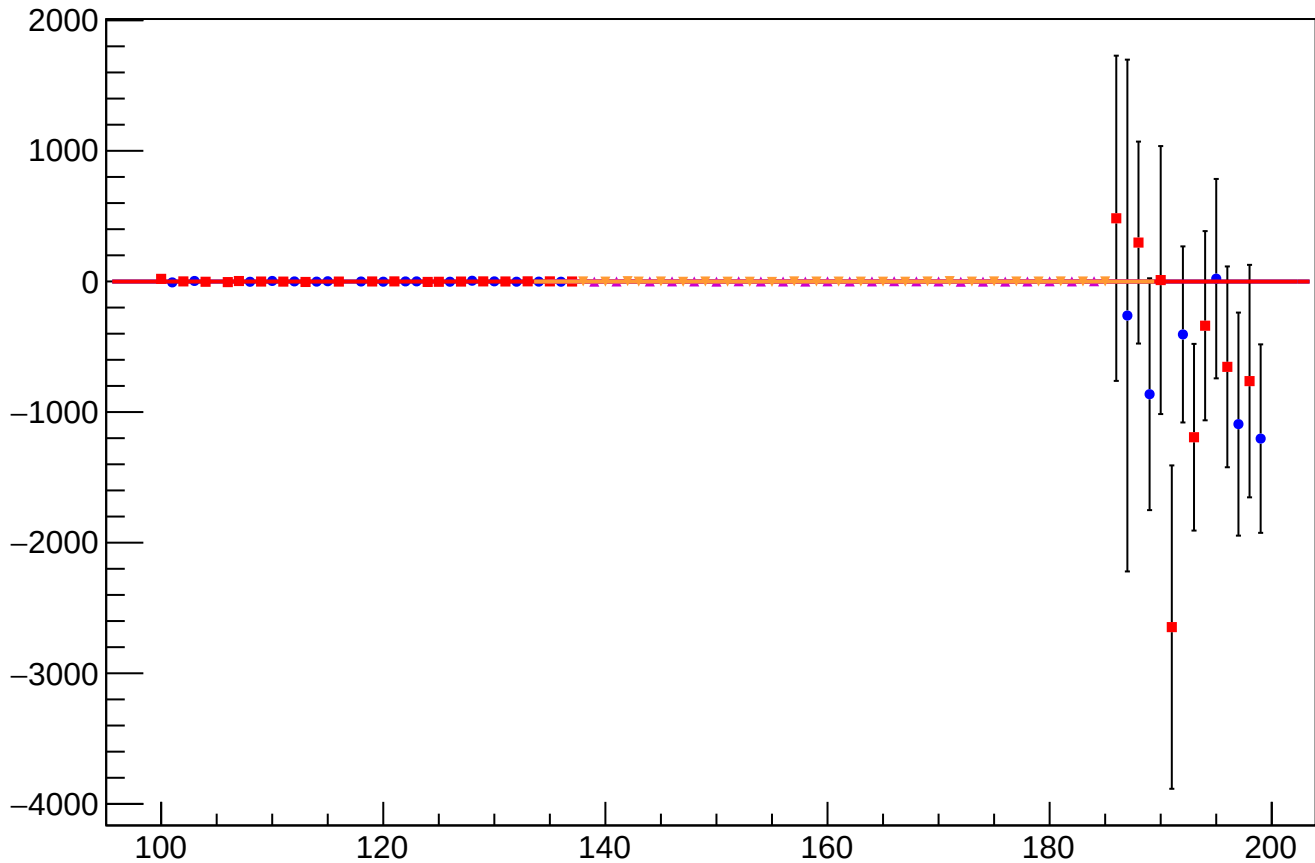
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.291 ± 0.007 χ^2/NDF : 54657834.9/46

All: 10.217 ± 0.004 χ^2/NDF : 109264342.4/95

- sign 10.151 ± 0.006 χ^2/NDF : 54606261.2/48

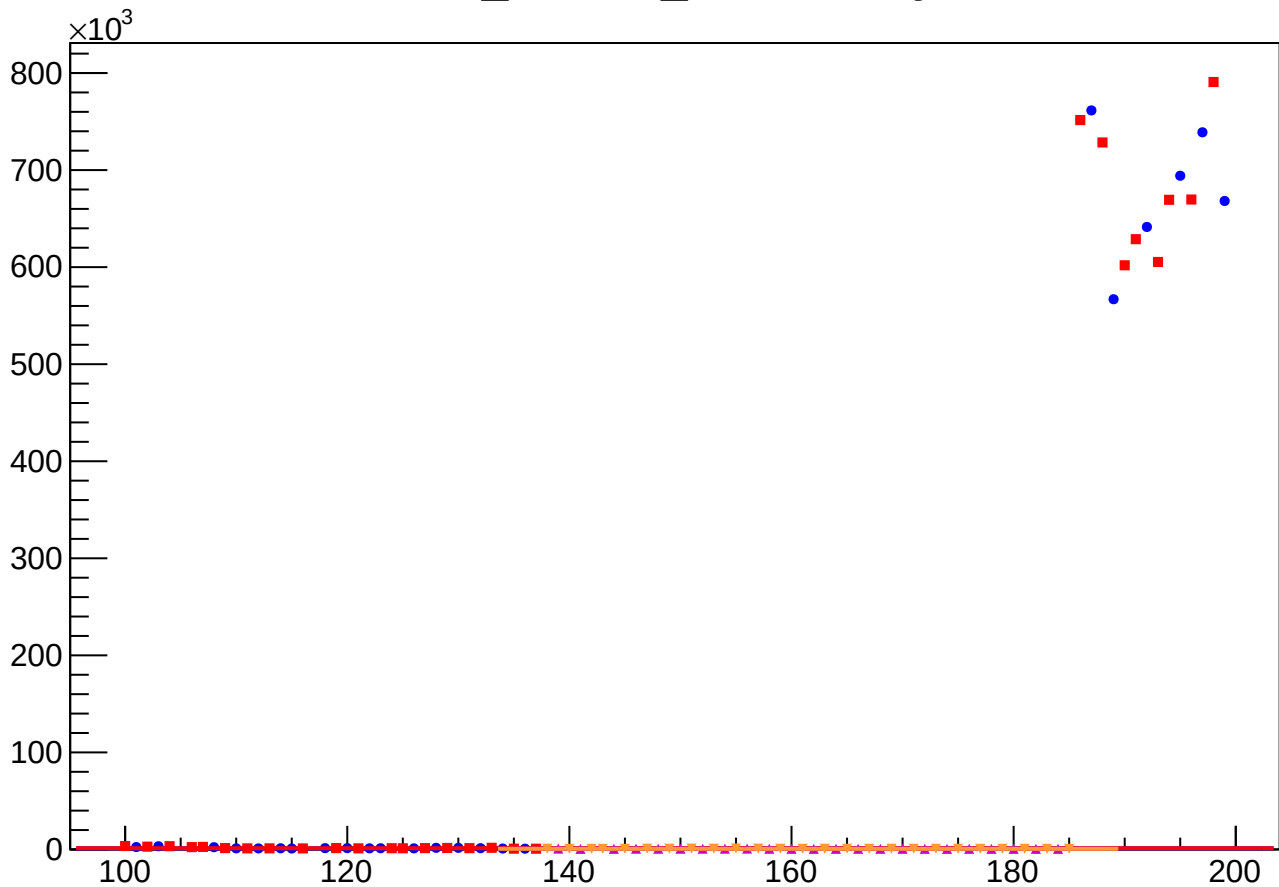
diff_cav4cX_mean vs Slug



Right In: -0.703 ± 0.485 χ^2/NDF : 28.2/22
Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24
Right Out: -0.762 ± 0.502 χ^2/NDF : 21.1/26
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

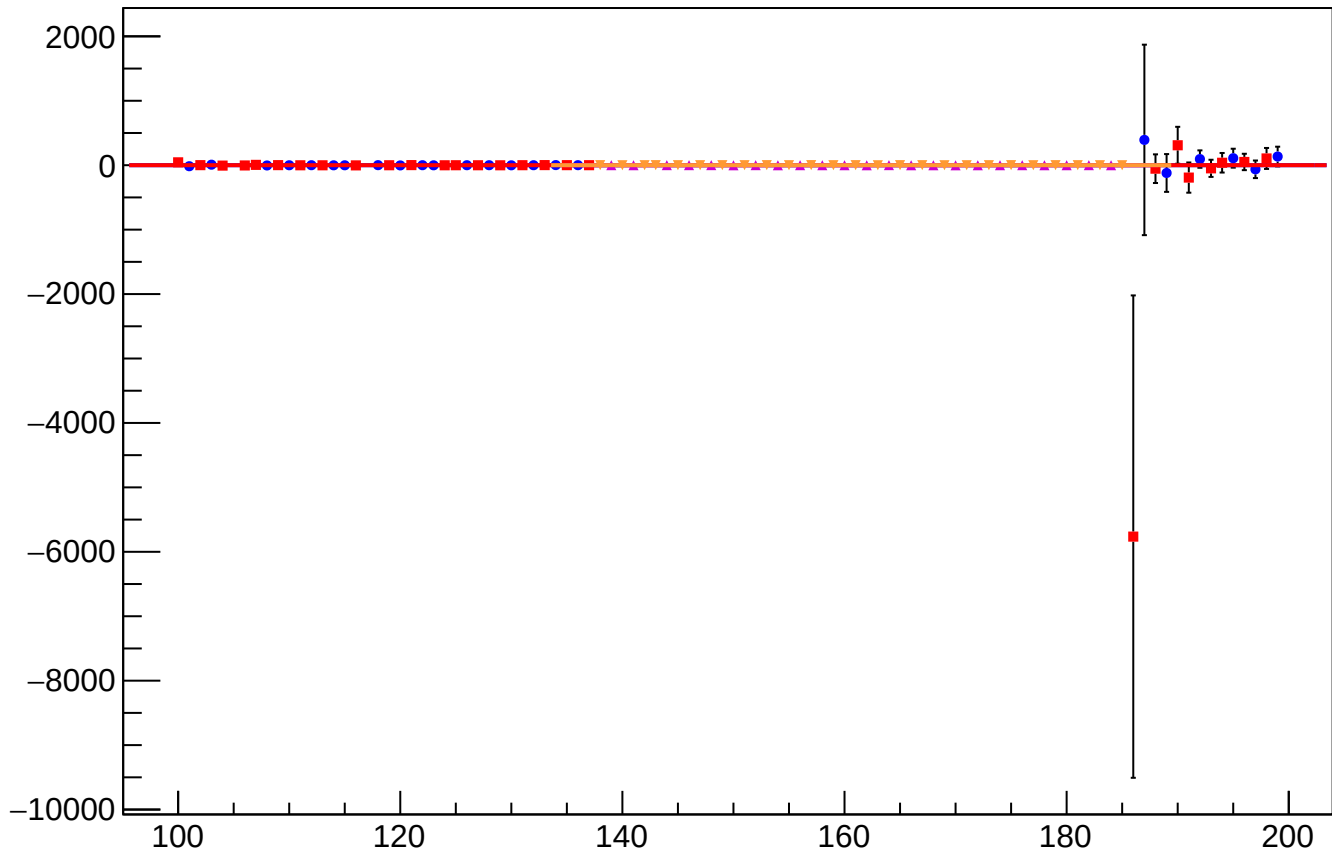
+ sign -0.767 ± 0.156 χ^2/NDF : 86.6/47
All: -0.444 ± 0.112 χ^2/NDF : 147.8/97
- sign -0.097 ± 0.161 χ^2/NDF : 52.3/49

diff_cav4cX_rms vs Slug



Right In: 1165.576 ± 0.343 $\chi^2/\text{NDF}: 9347478.2/22$ + sign 748.643 ± 0.110 $\chi^2/\text{NDF}: 11387544.7/47$
 Left Out: 700.797 ± 0.116 $\chi^2/\text{NDF}: 392521.4/24$ All: 755.565 ± 0.079 $\chi^2/\text{NDF}: 25307359.2/97$
 Right Out: 1251.088 ± 0.355 $\chi^2/\text{NDF}: 11466353.9/26$ - sign 762.986 ± 0.114 $\chi^2/\text{NDF}: 13911614.7/49$
 Left In: 706.950 ± 0.120 $\chi^2/\text{NDF}: 338177.1/22$

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.271 χ^2/NDF : 23.2/22

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 25.7/26

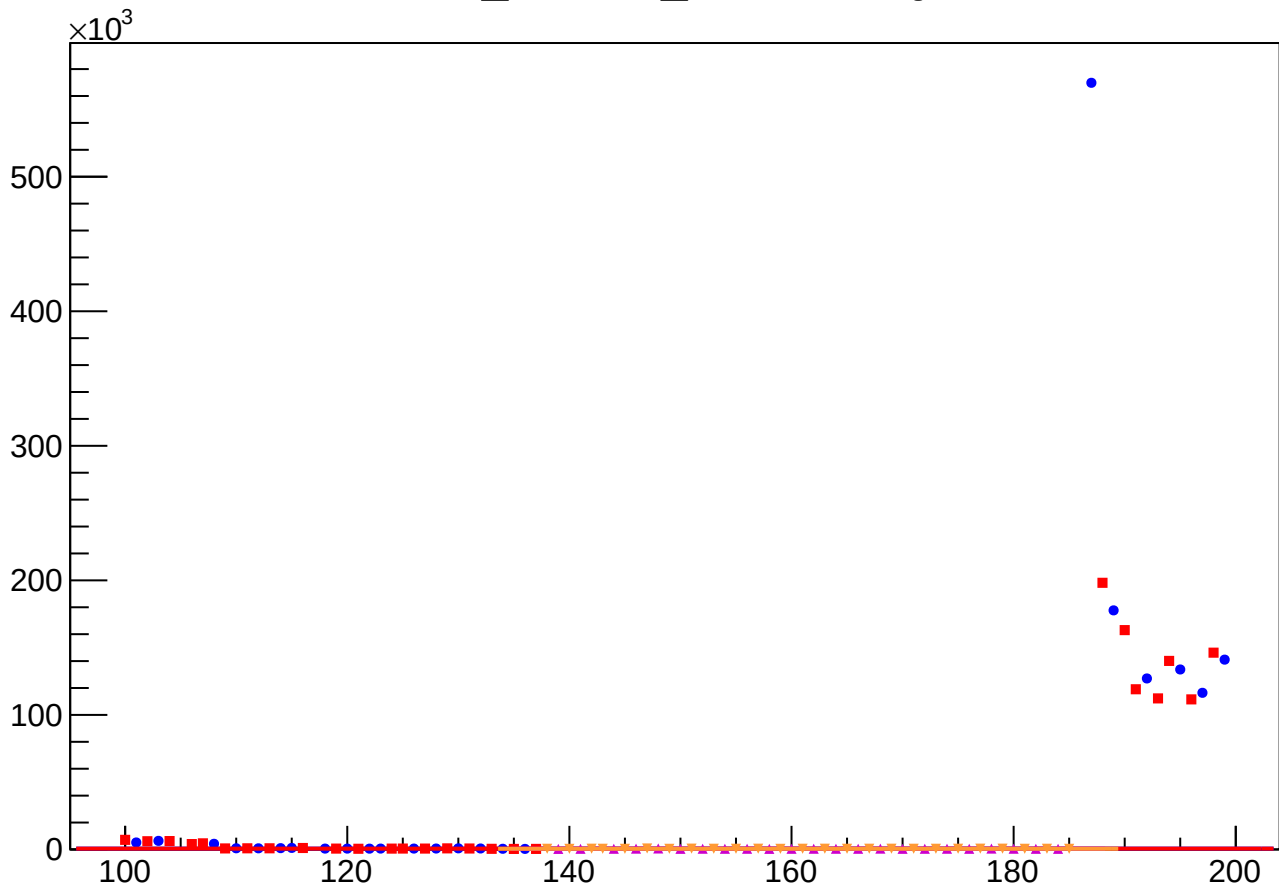
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 ± 0.112 χ^2/NDF : 41.8/47

All: 0.163 ± 0.080 χ^2/NDF : 102.7/97

- sign 0.139 ± 0.113 χ^2/NDF : 60.9/49

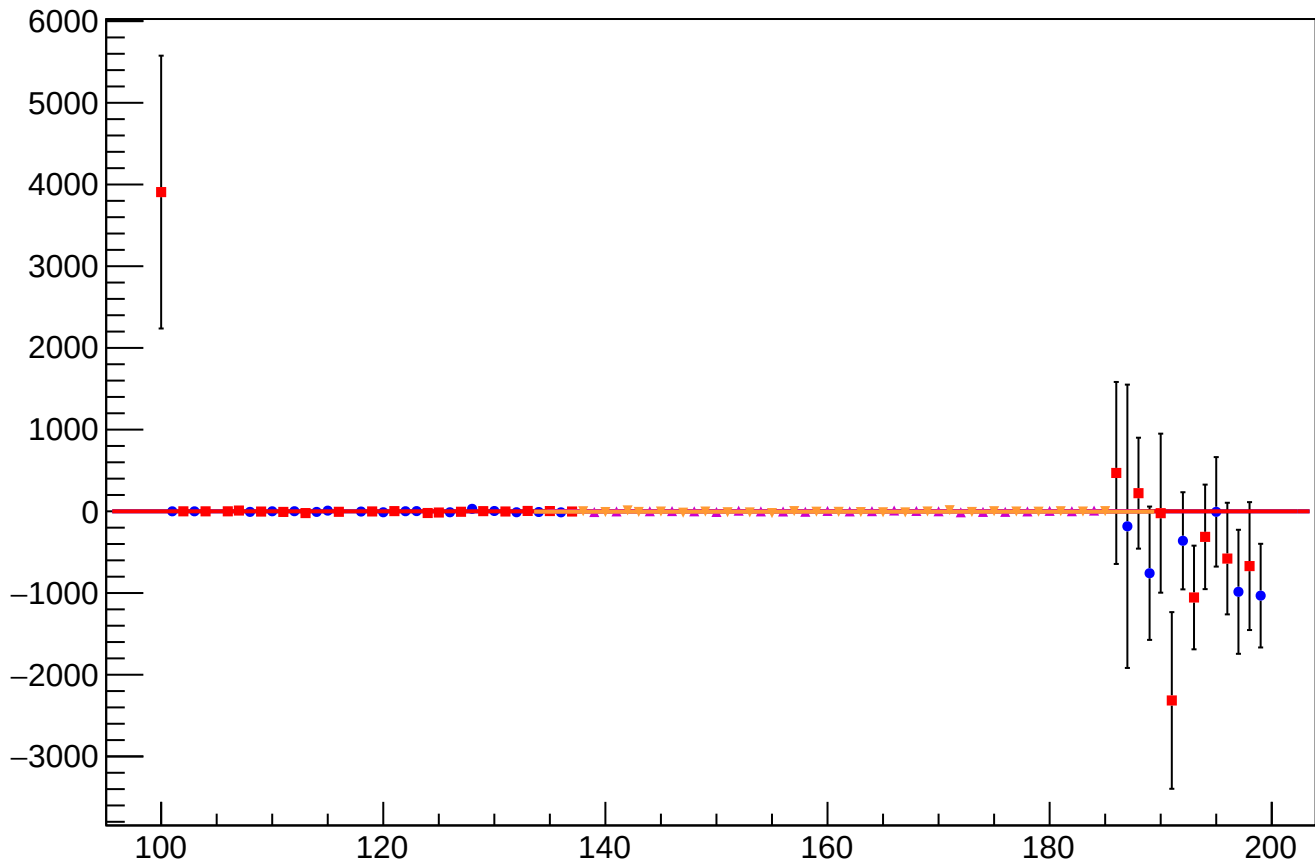
diff_cav4cY_rms vs Slug



Right In: 610.616 $\pm$ 0.191 χ^2 /NDF: 10696289.1/22
 Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF:331573.1/24
 Right Out: 602.020 $\pm$ 0.187 χ^2 /NDF: 12502699.7/25
 Left In: 519.909 $\pm$ 0.089 χ^2 /NDF:444746.3/22

+ sign 537.417 $\pm$ 0.079 χ^2 /NDF: 11204246.7/47
 All: 536.211 $\pm$ 0.056 χ^2 /NDF: 24309160.5/96
 - sign 534.965 $\pm$ 0.080 χ^2 /NDF: 13104438.6/48

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 21.2/22

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 26.1/26

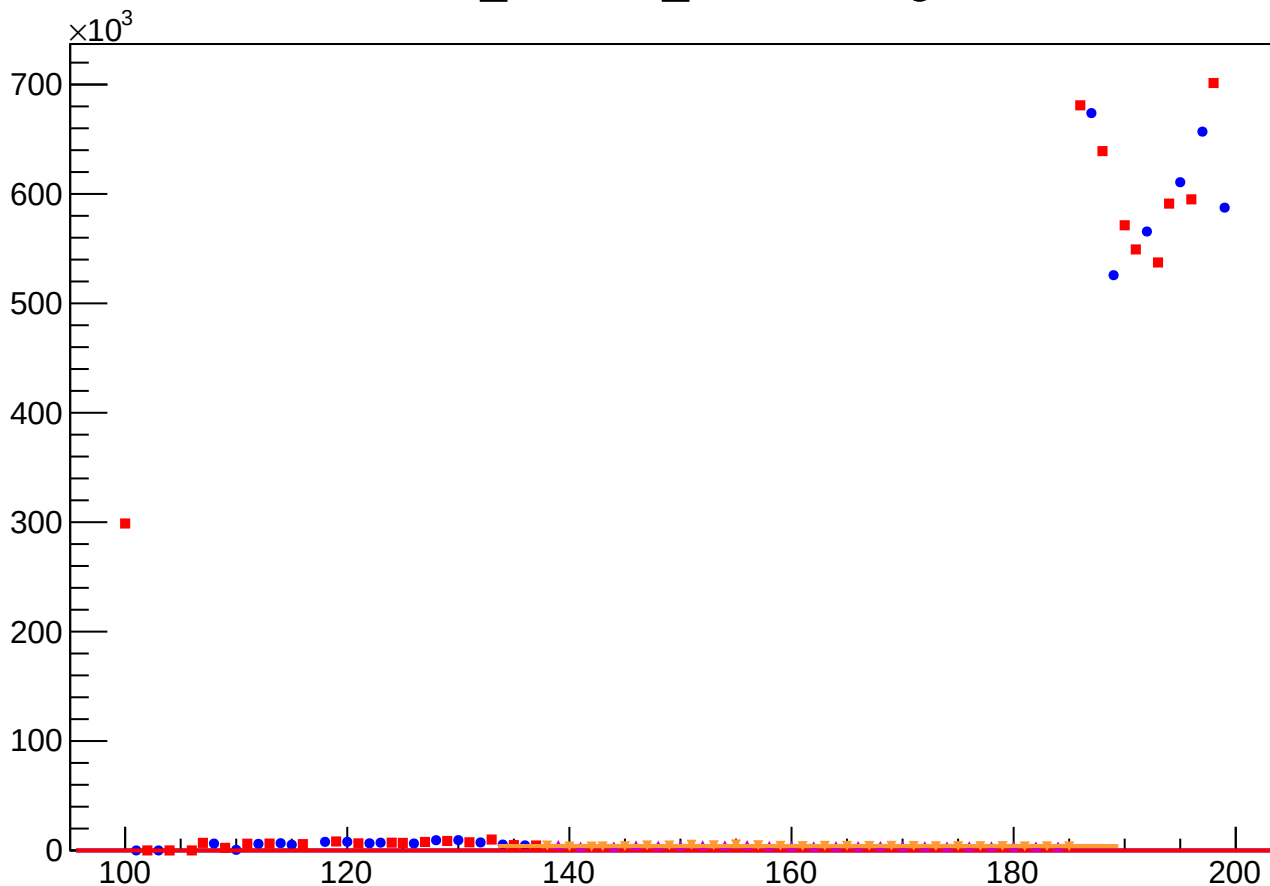
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 101.1/47

All: -0.025 ± 0.014 χ^2/NDF : 156.5/97

- sign -0.027 ± 0.020 χ^2/NDF : 55.4/49

diff_cav4dX_rms vs Slug



Right In: 17.338 ± 0.015 χ^2/NDF : 18133075.5/22

Left Out: 4074.257 ± 0.676 χ^2/NDF : 416916.0/24

Right Out: 17.270 ± 0.014 χ^2/NDF : 20729793.6/26

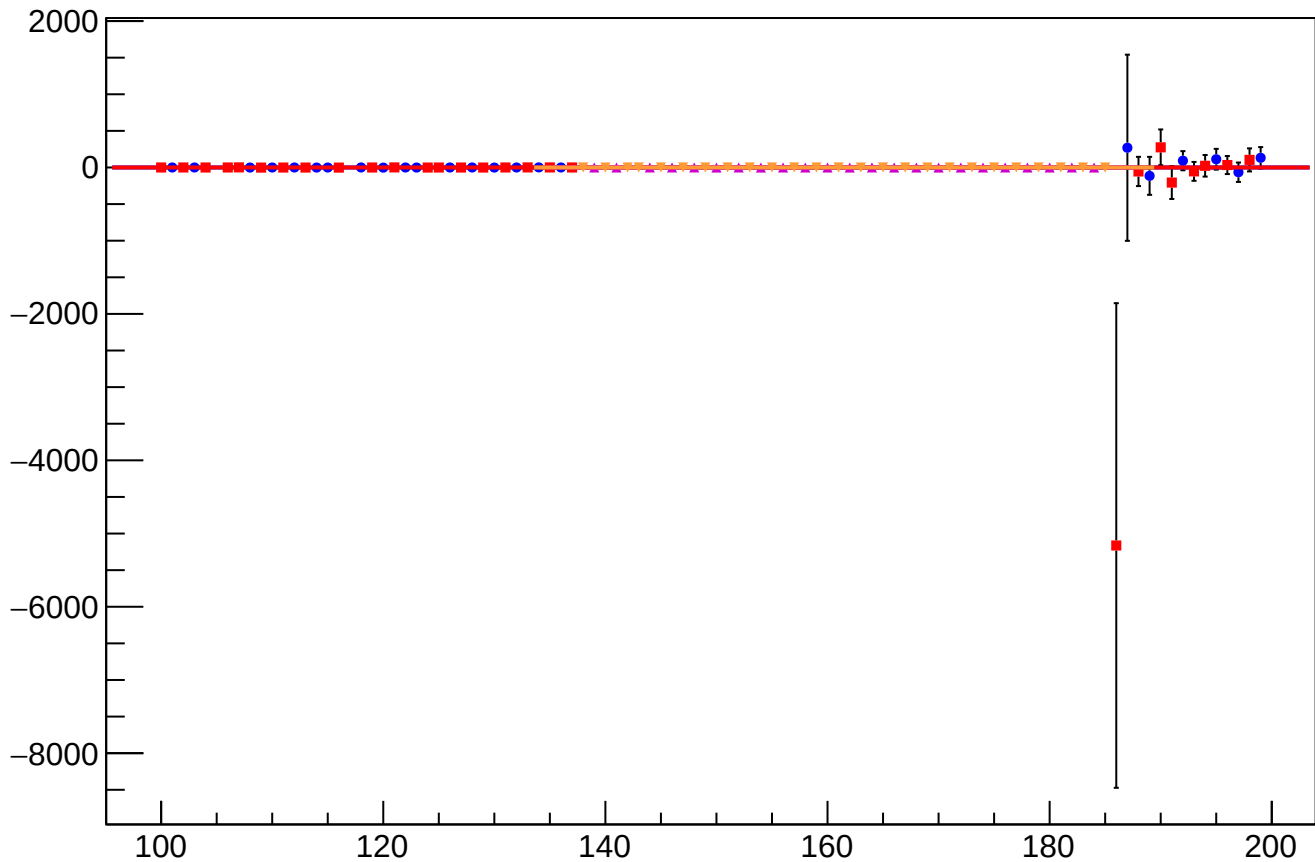
Left In: 4113.744 ± 0.700 χ^2/NDF : 354965.8/22

+ sign 19.258 ± 0.015 χ^2/NDF : 54583176.9/47

All: 19.072 ± 0.010 χ^2/NDF : 109885054.1/97

- sign 18.904 ± 0.014 χ^2/NDF : 55301571.2/49

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 17.8/22

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.4/26

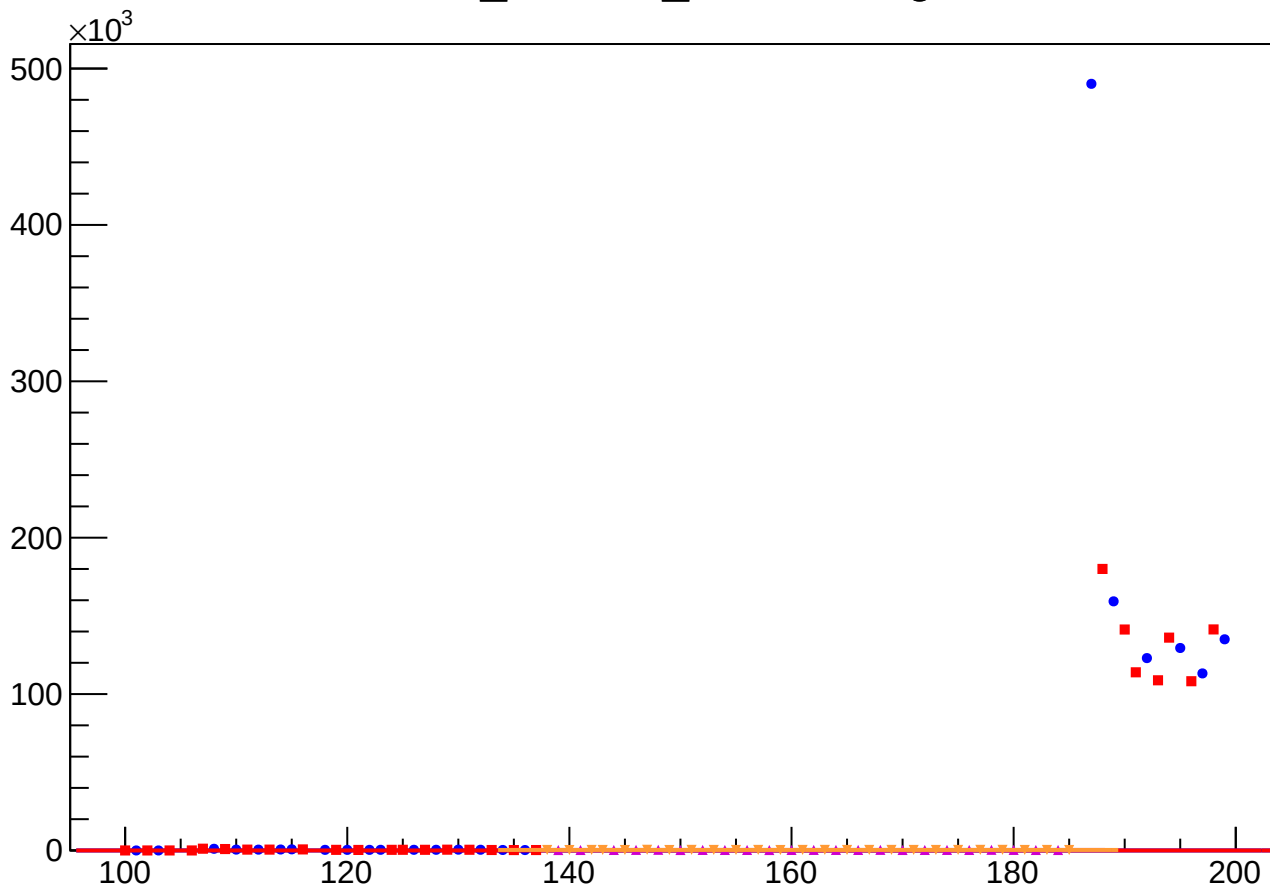
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 38.4/47

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 97.6/97

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.1/49

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2/NDF : 18518258.0/22

Left Out: 325.469 $\pm$ 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.728 $\pm$ 0.001 χ^2/NDF : 19782532.4/25

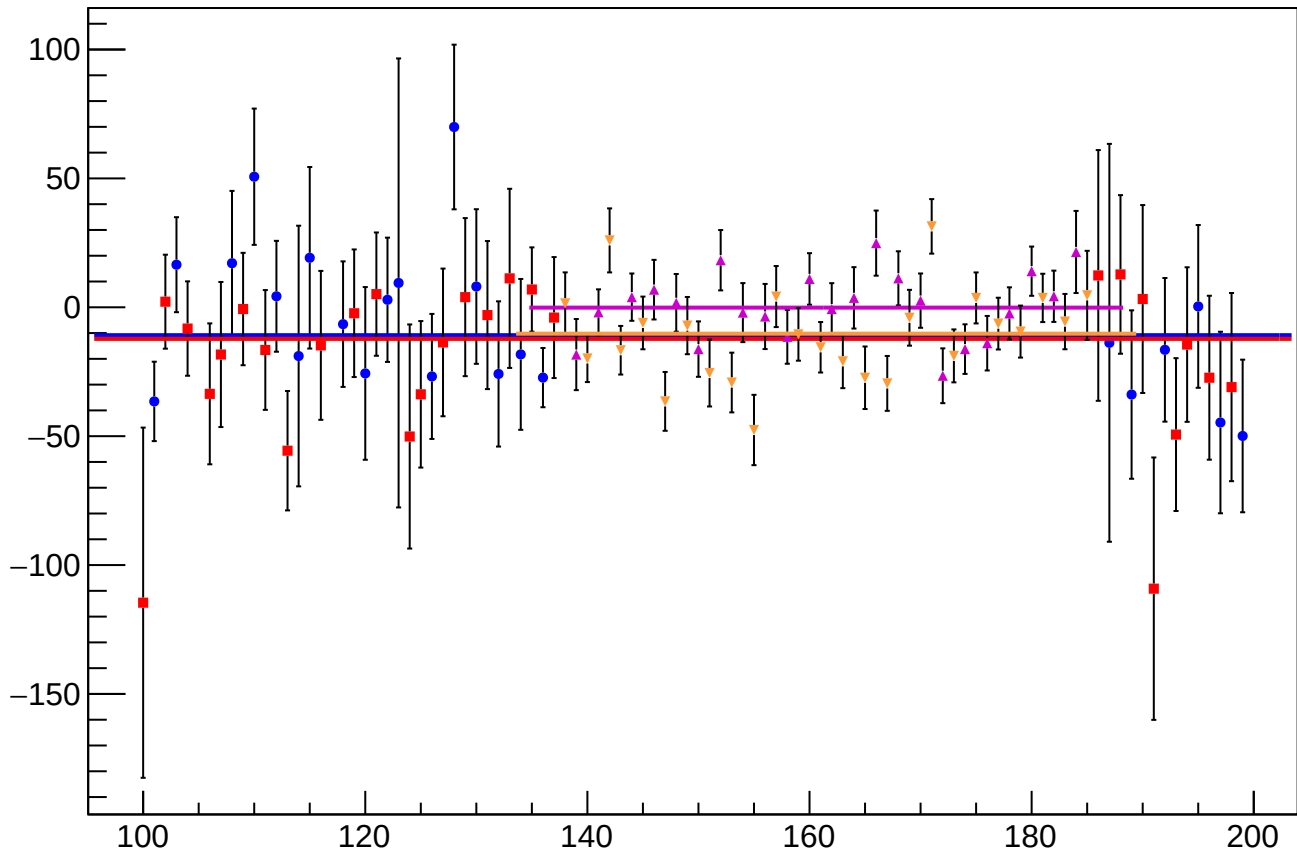
Left In: 325.201 $\pm$ 0.055 χ^2/NDF : 428069.7/22

+ sign 1.926 $\pm$ 0.001 χ^2/NDF : 54830608.9/47

All: 1.926 $\pm$ 0.001 χ^2/NDF : 109012193.9/96

- sign 1.926 $\pm$ 0.001 χ^2/NDF : 54181584.9/48

diff_bpm4aX_mean vs Slug



Right In: -10.819 ± 5.213 $\chi^2/\text{NDF}: 26.2/22$

Left Out: -10.235 ± 2.167 $\chi^2/\text{NDF}: 58.0/24$

Right Out: -12.260 ± 5.166 $\chi^2/\text{NDF}: 18.6/26$

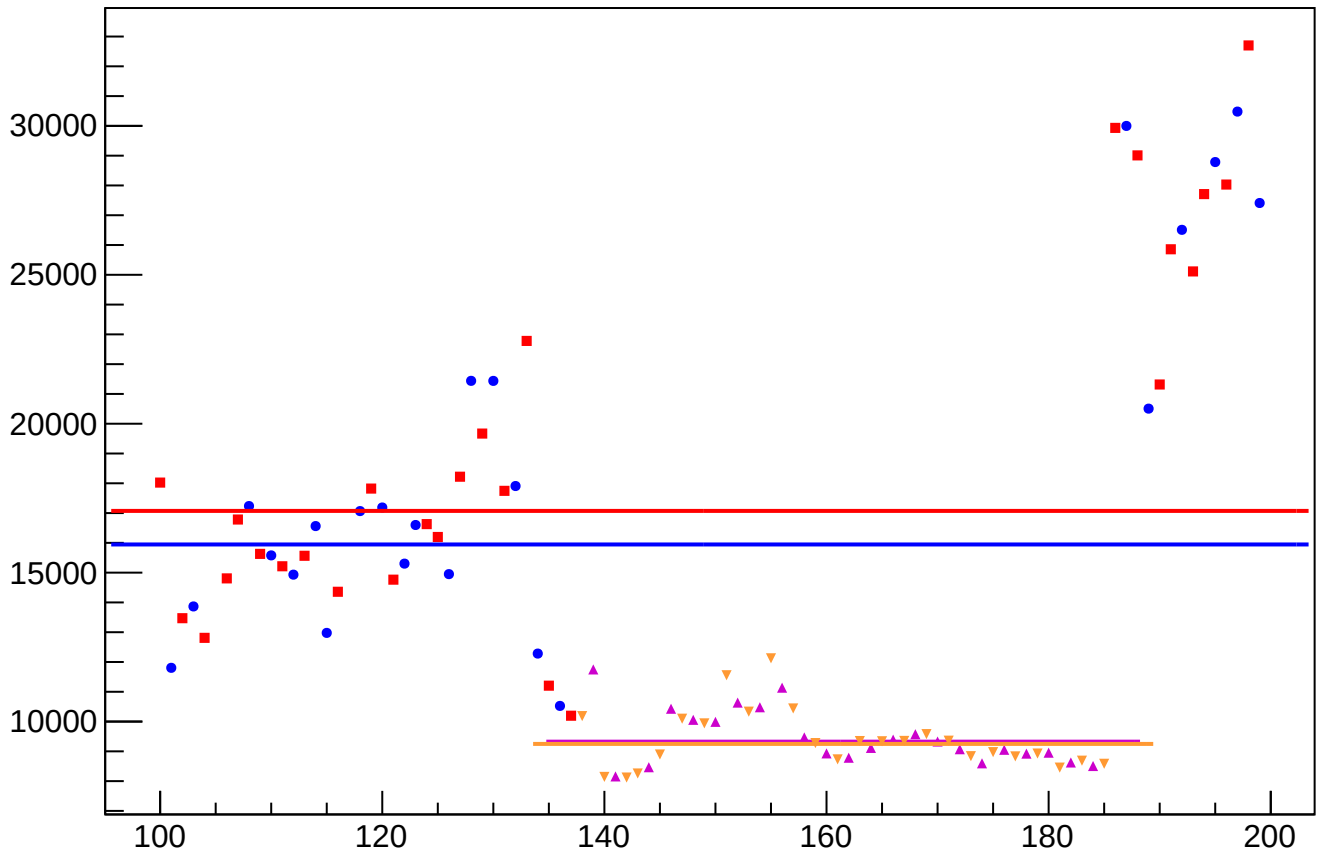
Left In: -0.130 ± 2.242 $\chi^2/\text{NDF}: 29.8/22$

+ sign -10.321 ± 2.001 $\chi^2/\text{NDF}: 84.2/47$

All: -6.301 ± 1.434 $\chi^2/\text{NDF}: 145.5/97$

- sign -2.053 ± 2.057 $\chi^2/\text{NDF}: 53.0/49$

diff_bpm4aX_rms vs Slug



Right In: 15945.873+/-3.686 χ^2/NDF : 2182493.6/22

Left Out: 9249.358+/-1.532 χ^2/NDF :332003.4/24

Right Out: 17072.815+/-3.653 χ^2/NDF : 2303944.7/26

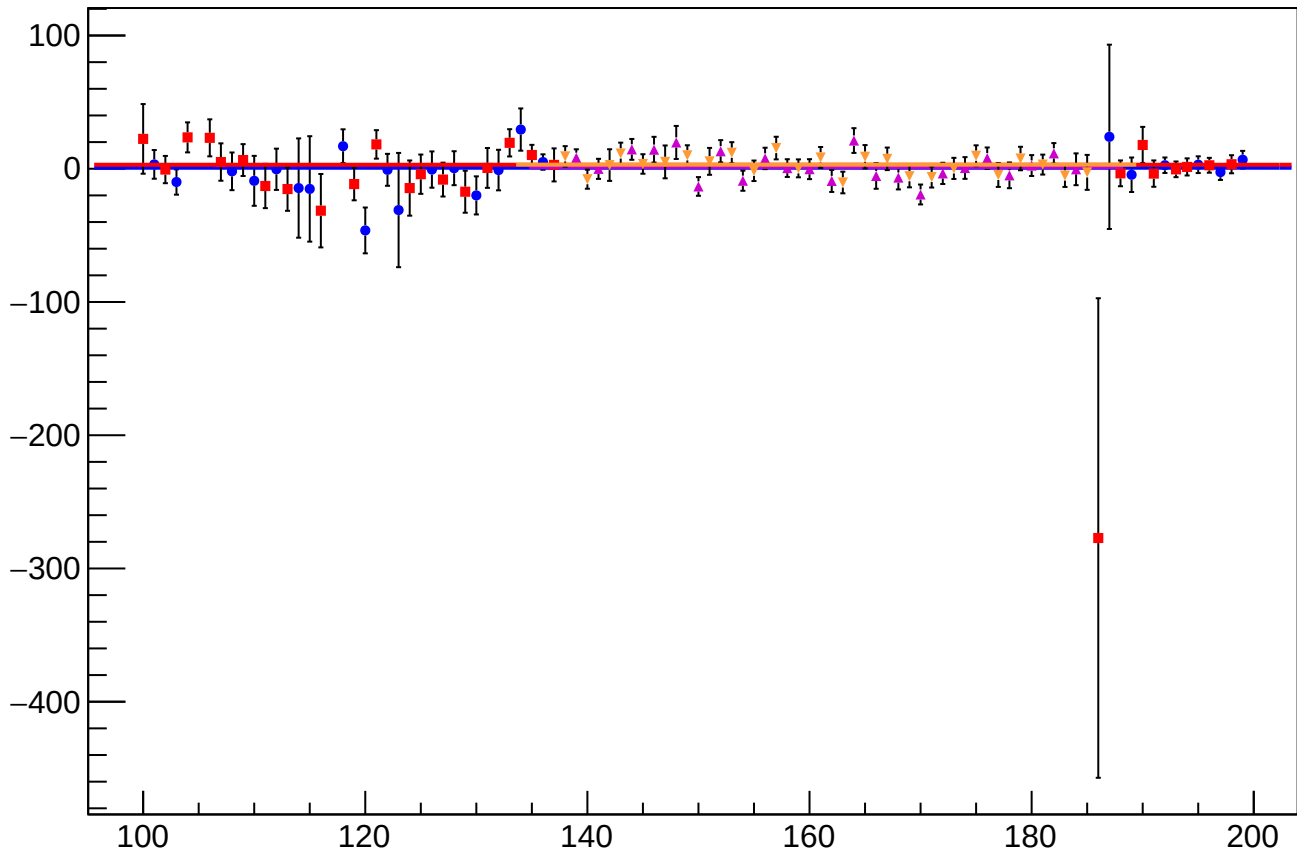
Left In: 9325.112+/-1.585 χ^2/NDF :280927.7/22

+ sign 10235.685+/-1.415 χ^2/NDF : 5328503.3/47

All: 10390.073+/-1.014 χ^2/NDF : 11723128.7

- sign 10553.242+/-1.454 χ^2/NDF : 6370129.7/49

diff_bpm4aY_mean vs Slug



Right In: 0.763 ± 2.145 χ^2/NDF : 19.2/22

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 3.003 ± 2.006 χ^2/NDF : 25.2/26

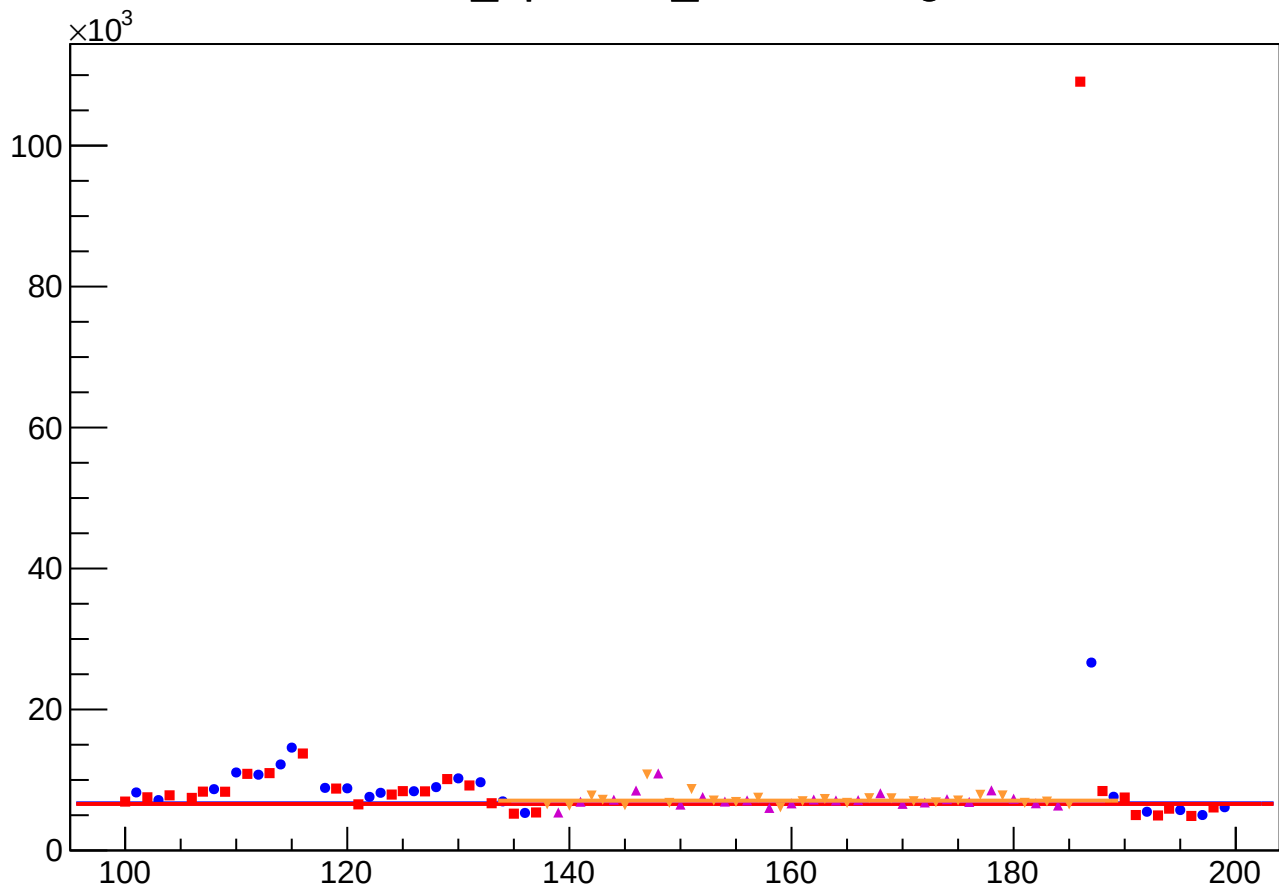
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.201 ± 1.312 χ^2/NDF : 38.2/47

All: 2.132 ± 0.921 χ^2/NDF : 99.2/97

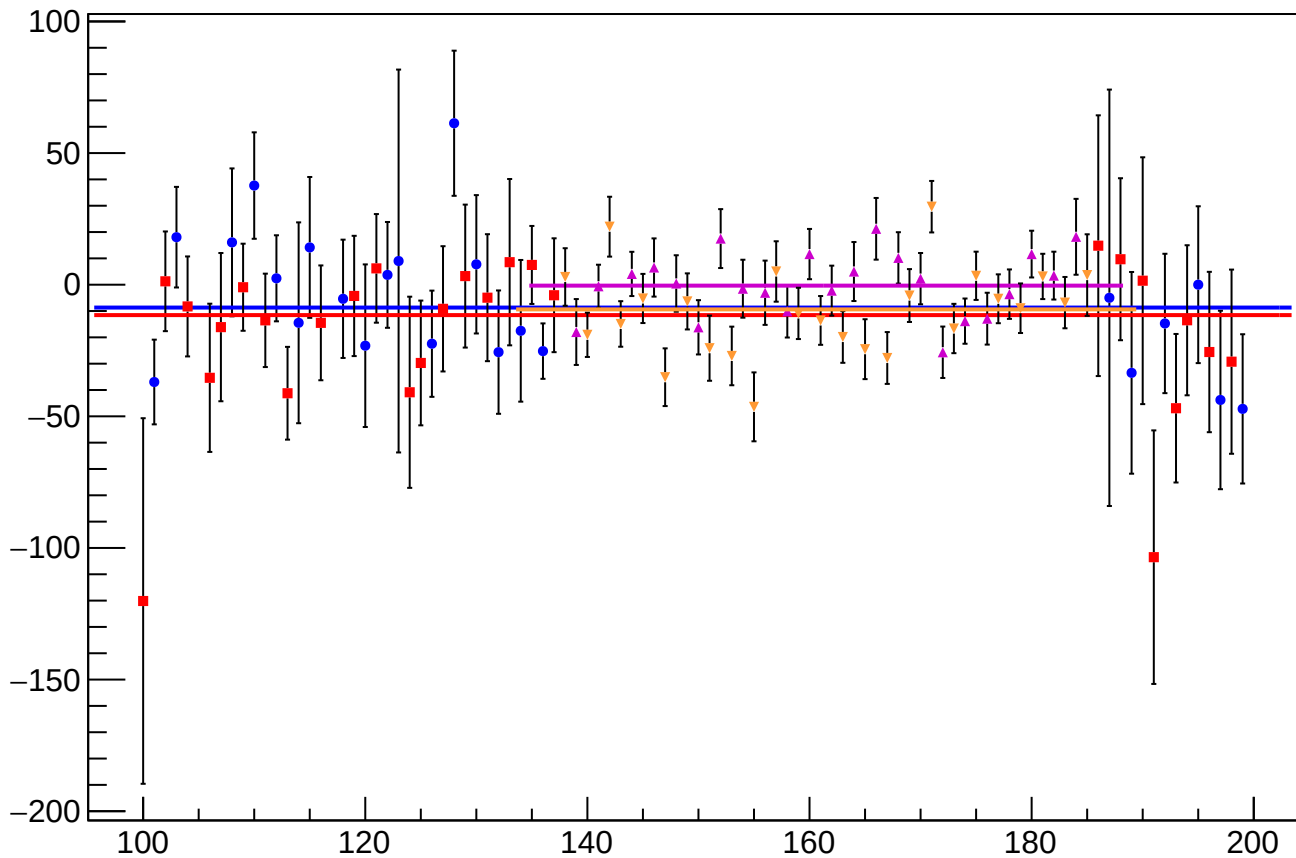
- sign 2.064 ± 1.294 χ^2/NDF : 61.0/49

diff_bpm4aY_rms vs Slug



Right In: 6680.264 ± 1.517 $\chi^2/\text{NDF}: 1450474.9/22$ + sign 6922.152 ± 0.928 $\chi^2/\text{NDF}: 1878572.0/47$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 6877.367 ± 0.651 $\chi^2/\text{NDF}: 4551993.6/97$
 Right Out: 6599.931 ± 1.418 $\chi^2/\text{NDF}: 2072210.0/26$ - sign 6833.830 ± 0.915 $\chi^2/\text{NDF}: 2668827.2/49$
 Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

diff_bpm4eX_mean vs Slug



Right In: -8.684 ± 4.725 χ^2/NDF : 26.9/22

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -11.548 ± 4.636 χ^2/NDF : 18.1/26

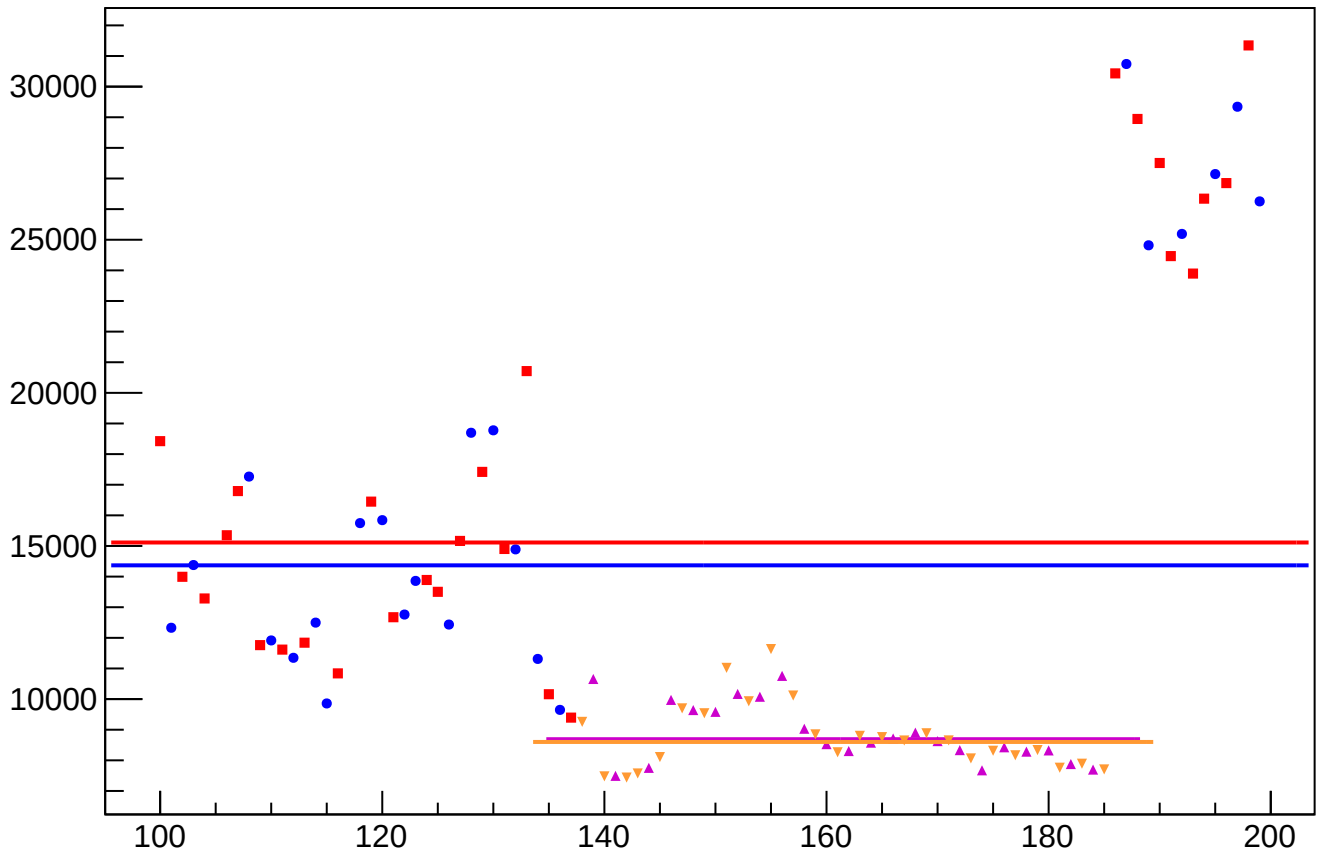
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.269 ± 1.856 χ^2/NDF : 85.3/47

All: -5.854 ± 1.330 χ^2/NDF : 144.9/97

- sign -2.248 ± 1.907 χ^2/NDF : 52.6/49

diff_bpm4eX_rms vs Slug



Right In: 14367.637 $\pm$ 3.341 χ^2 /NDF: 2469159.2/22

Left Out: 8600.457 $\pm$ 1.427 χ^2 /NDF: 438229.4/24

Right Out: 15113.704 $\pm$ 3.278 χ^2 /NDF: 2872504.0/26

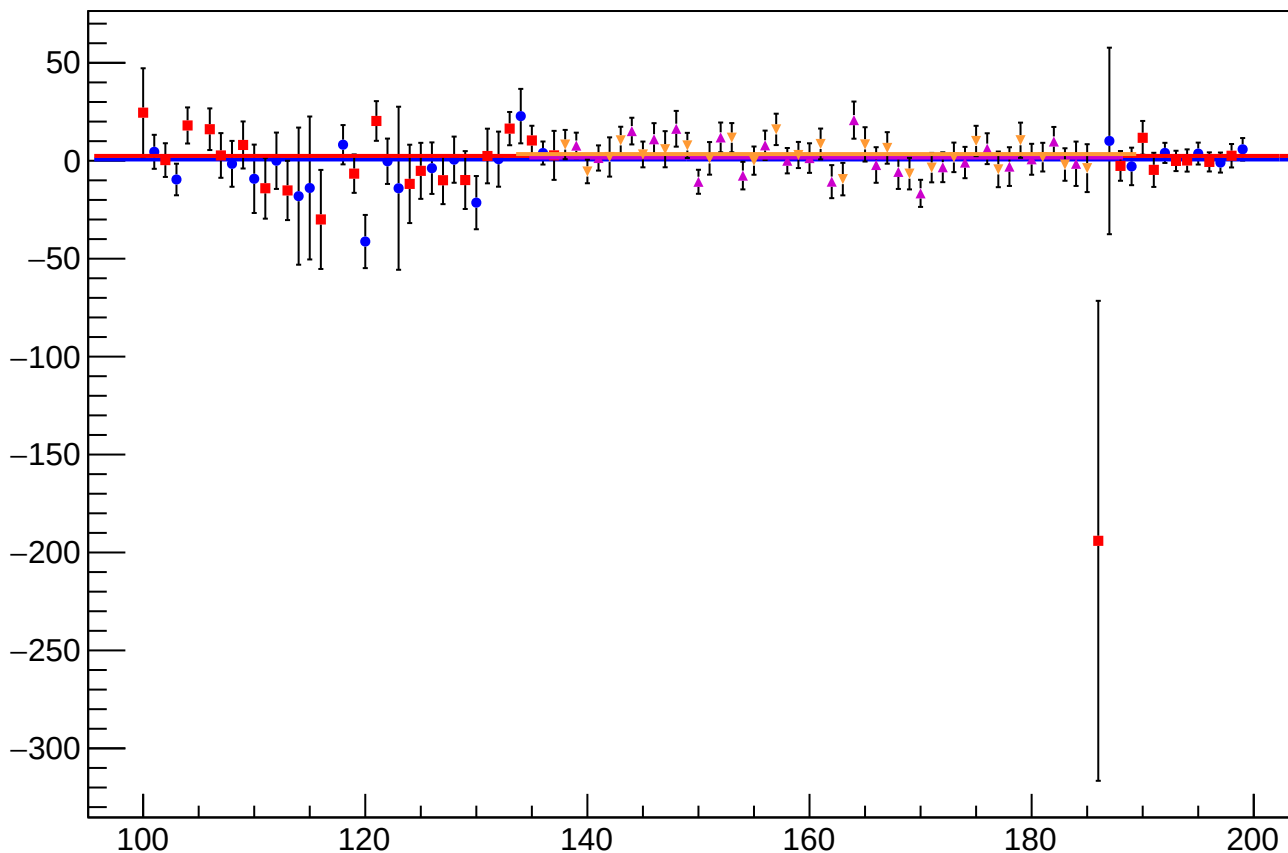
Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF: 370834.1/22

+ sign 9490.029 $\pm$ 1.312 χ^2 /NDF: 5427611.4/47

All: 9629.629 $\pm$ 0.940 χ^2 /NDF: 11884004.3/50

- sign 9777.070 $\pm$ 1.348 χ^2 /NDF: 6433118.3/49

diff_bpm4eY_mean vs Slug



Right In: 0.651 ± 1.903 χ^2/NDF : 20.2/22

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 2.471 ± 1.754 χ^2/NDF : 25.8/26

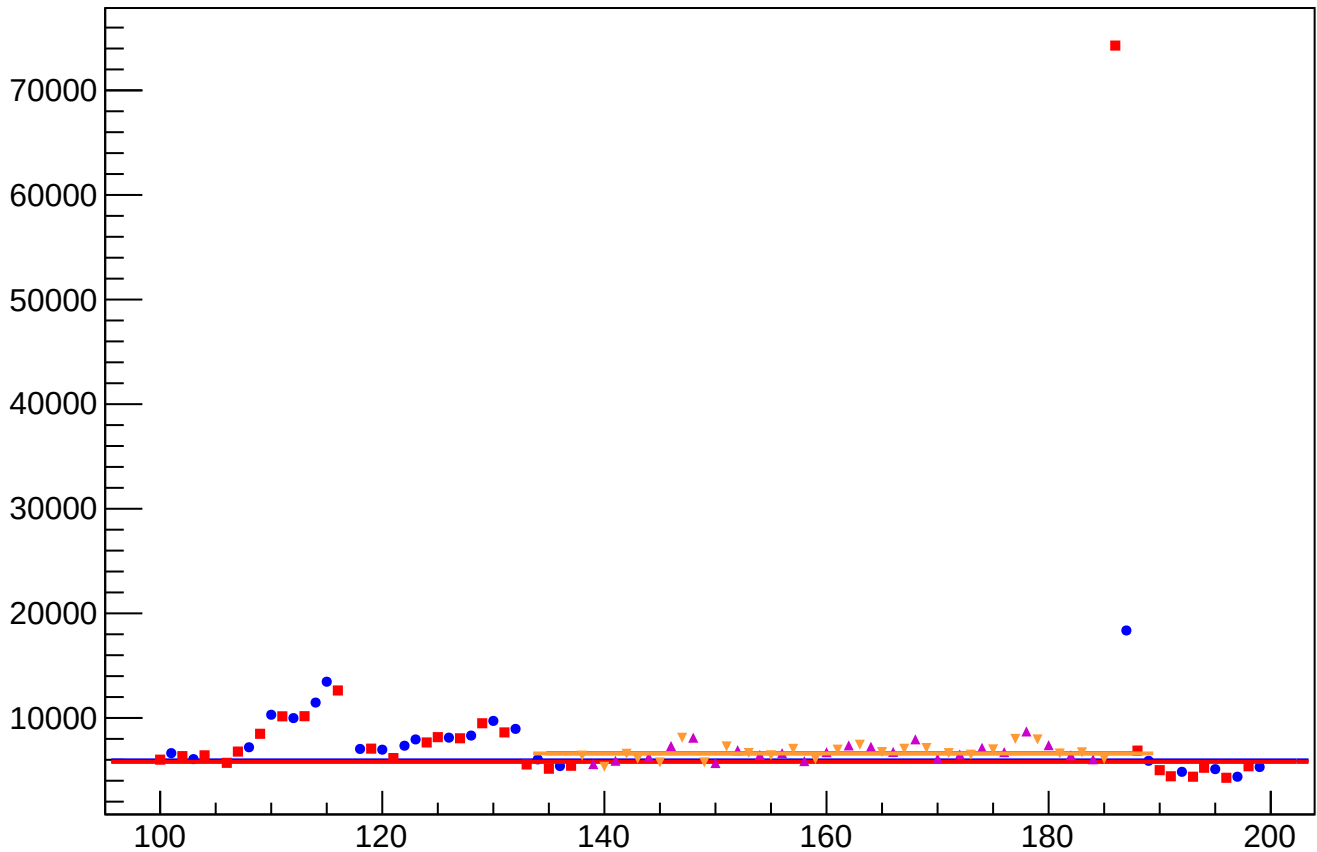
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.307 ± 1.202 χ^2/NDF : 38.3/47

All: 2.156 ± 0.843 χ^2/NDF : 97.7/97

- sign 2.010 ± 1.182 χ^2/NDF : 59.4/49

diff_bpm4eY_rms vs Slug



Right In: 5946.427 ± 1.346 $\chi^2/\text{NDF}: 1404110.4/22$

Left Out: 6607.100 ± 1.096 $\chi^2/\text{NDF}: 398416.1/24$

Right Out: 5800.213 ± 1.241 $\chi^2/\text{NDF}: 2107859.8/26$

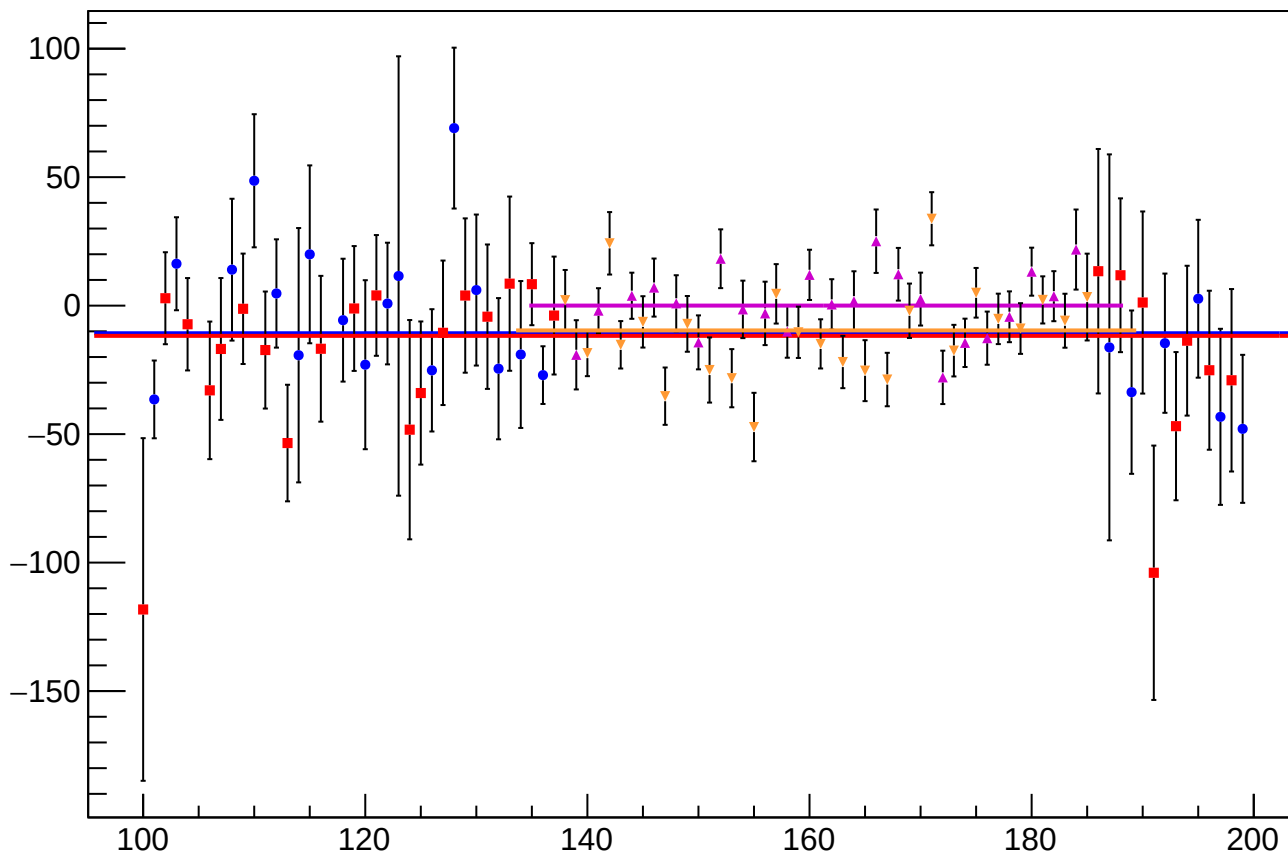
Left In: 6628.653 ± 1.131 $\chi^2/\text{NDF}: 430282.2/22$

+ sign 6343.512 ± 0.850 $\chi^2/\text{NDF}: 1947413.7/47$

All: 6297.342 ± 0.596 $\chi^2/\text{NDF}: 4734949.4/97$

- sign 6252.709 ± 0.836 $\chi^2/\text{NDF}: 2781732.2/49$

diff_bpm4acX_mean vs Slug



Right In: -10.749 ± 5.104 χ^2/NDF : 26.0/22

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -11.759 ± 5.058 χ^2/NDF : 18.5/26

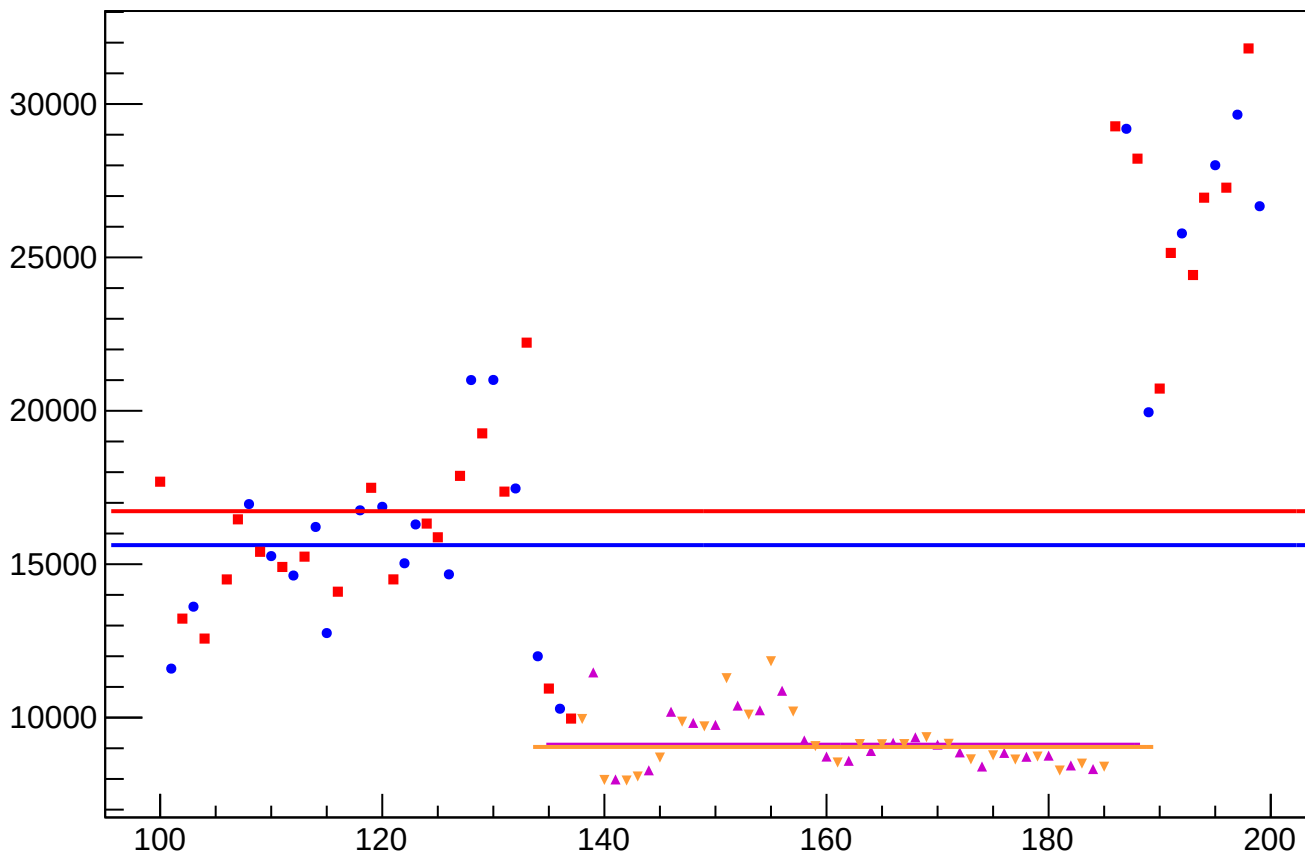
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.810 ± 1.956 χ^2/NDF : 85.8/47

All: -5.937 ± 1.402 χ^2/NDF : 147.6/97

- sign -1.843 ± 2.011 χ^2/NDF : 53.7/49

diff_bpm4acX_rms vs Slug



Right In: 15621.748 $\pm$ 3.609 χ^2 /NDF: 2158529.8/22

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF:328192.2/24

Right Out: 16728.021 $\pm$ 3.577 χ^2 /NDF: 2271432.1/26

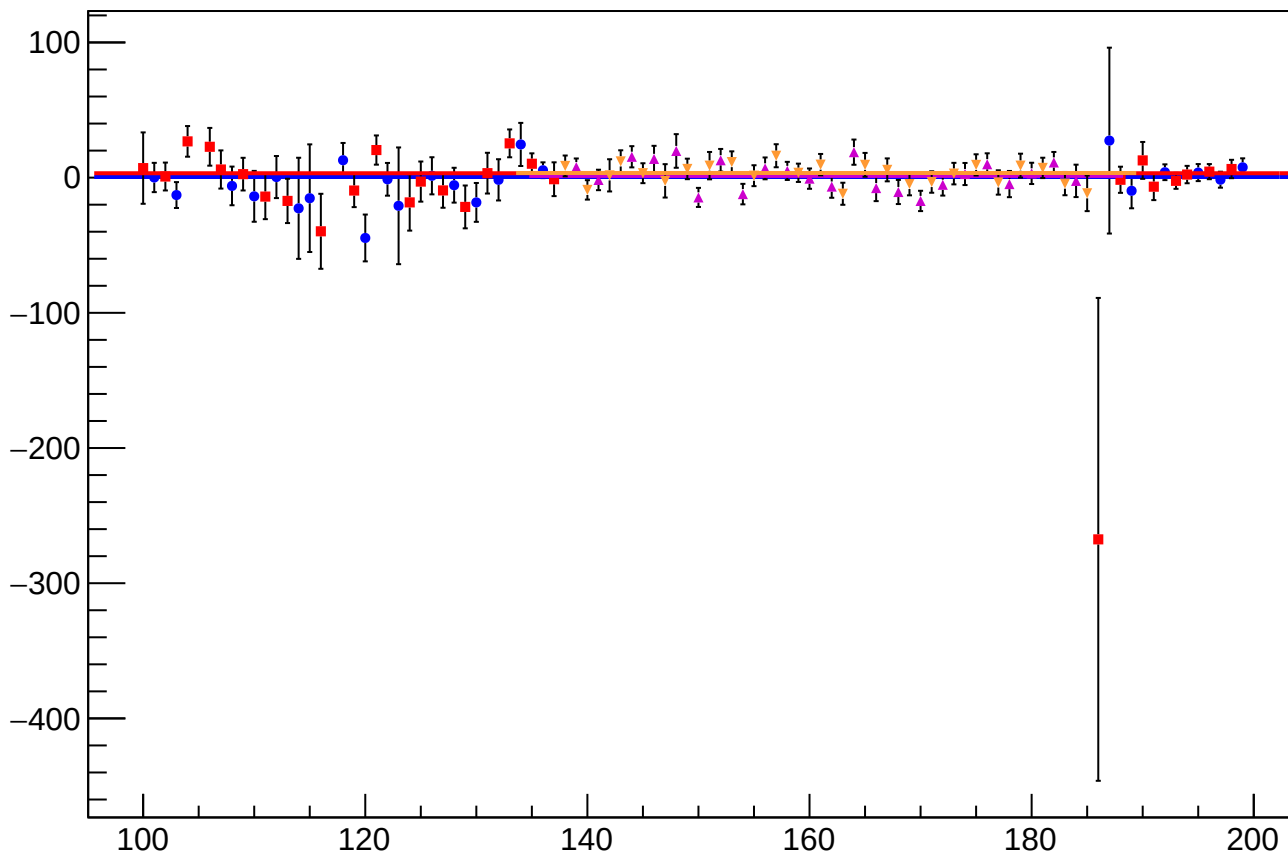
Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

+ sign 10010.049 $\pm$ 1.383 χ^2 /NDF: 5320892.5/47

All: 10160.915 $\pm$ 0.992 χ^2 /NDF: 11706972.2

- sign 10320.354 $\pm$ 1.422 χ^2 /NDF: 6361618.3/49

diff_bpm4acY_mean vs Slug



Right In: 0.477 ± 2.155 χ^2/NDF : 18.9/22

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 3.253 ± 2.016 χ^2/NDF : 30.5/26

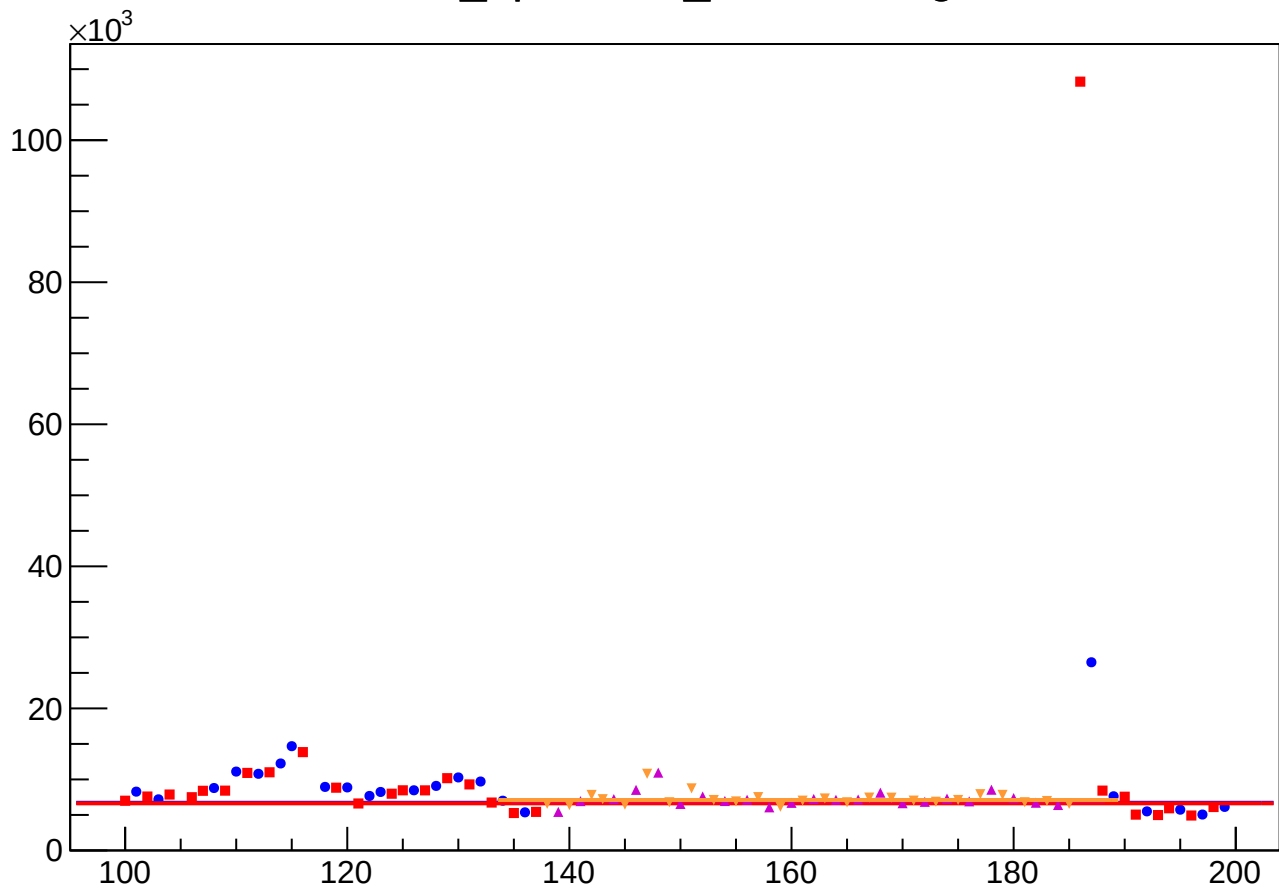
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.331 ± 1.318 χ^2/NDF : 39.0/47

All: 2.217 ± 0.926 χ^2/NDF : 106.6/97

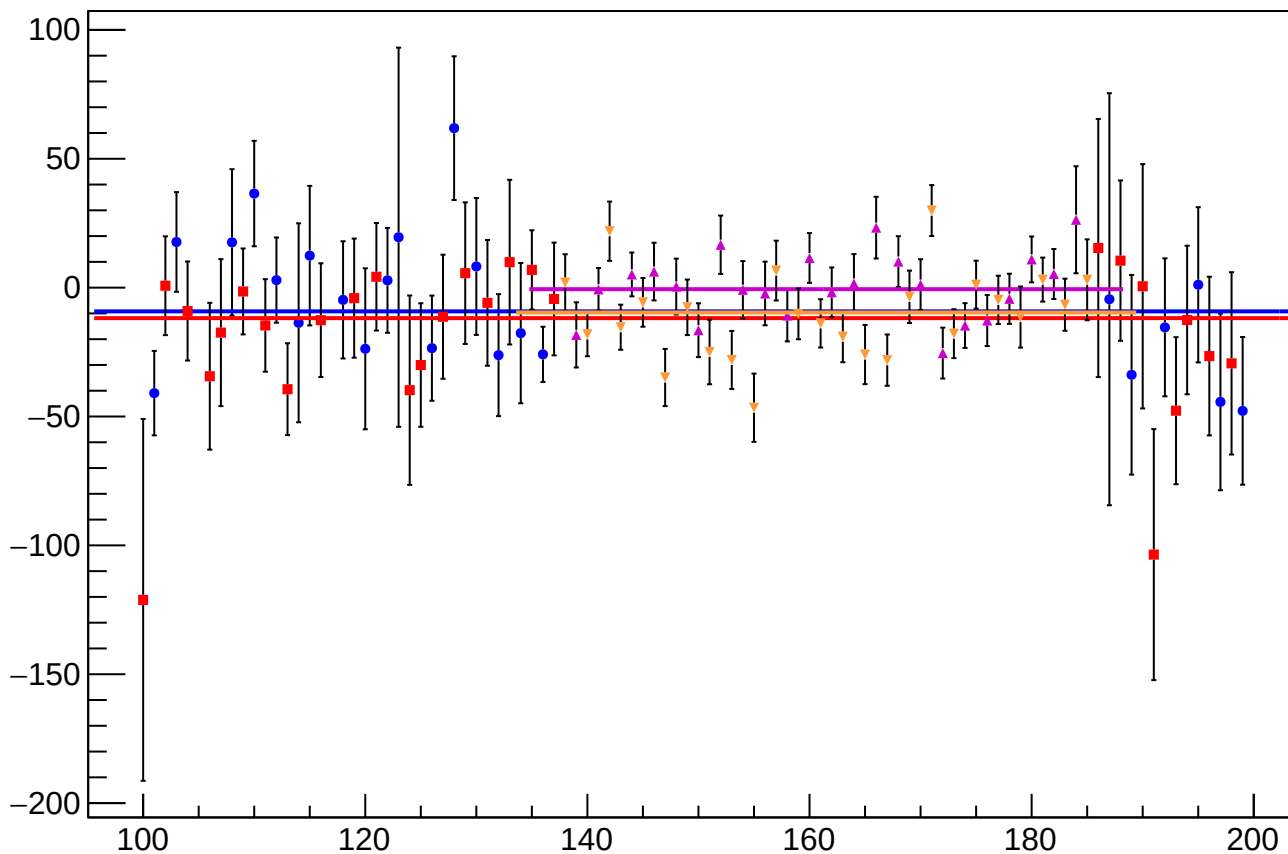
- sign 2.107 ± 1.300 χ^2/NDF : 67.6/49

diff_bpm4acY_rms vs Slug



Right In: 6711.620 ± 1.524 $\chi^2/\text{NDF}: 1457499.7/22$ + sign 6953.911 ± 0.932 $\chi^2/\text{NDF}: 1880440.6/47$
 Left Out: 7098.726 ± 1.178 $\chi^2/\text{NDF}: 382550.4/24$ All: 6910.106 ± 0.654 $\chi^2/\text{NDF}: 4548501.7/97$
 Right Out: 6634.073 ± 1.425 $\chi^2/\text{NDF}: 2076751.7/26$ - sign 6867.501 ± 0.919 $\chi^2/\text{NDF}: 2663703.9/49$
 Left In: 7033.702 ± 1.203 $\chi^2/\text{NDF}: 541035.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -9.205 ± 4.787 χ^2/NDF : 27.4/22

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -11.832 ± 4.700 χ^2/NDF : 17.2/26

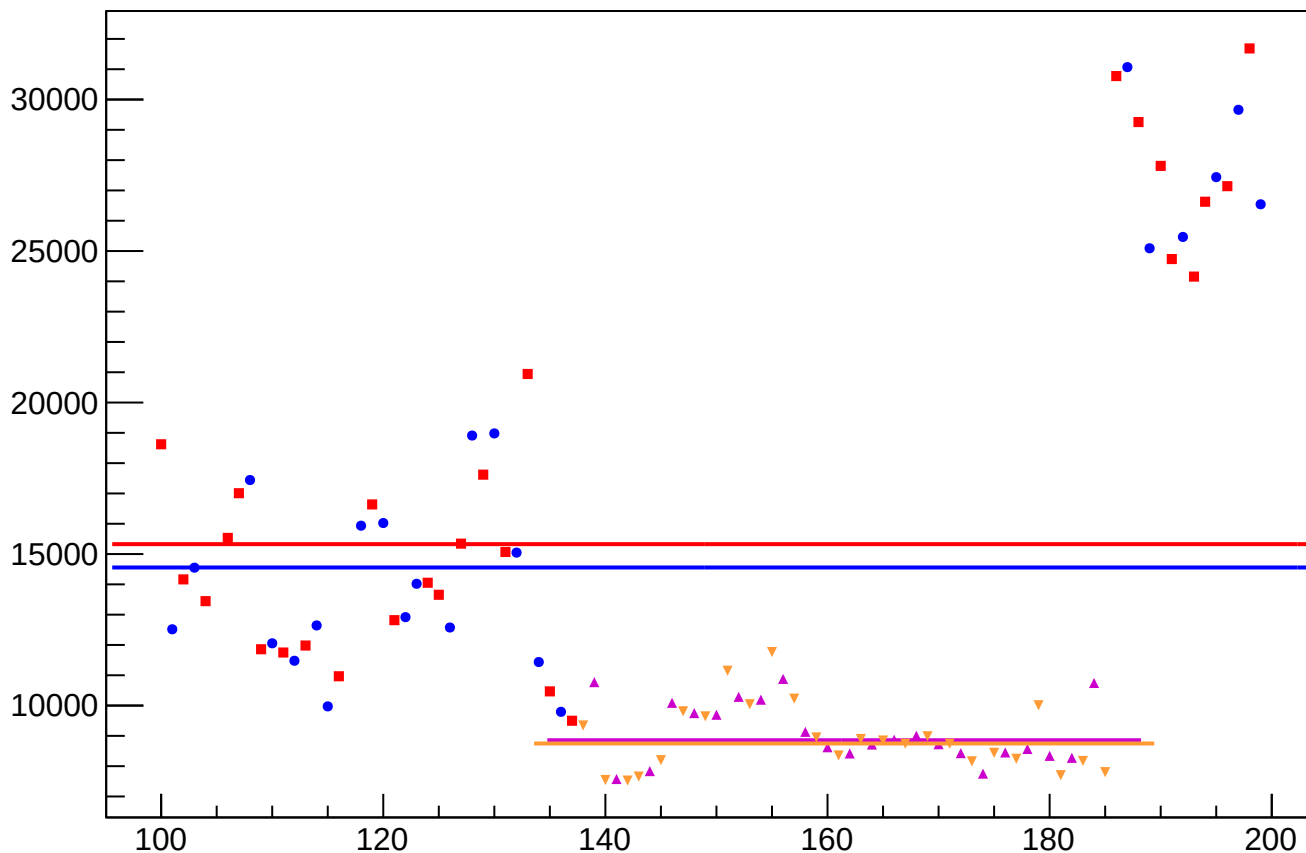
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.572 ± 1.890 χ^2/NDF : 85.1/47

All: -6.145 ± 1.355 χ^2/NDF : 143.4/97

- sign -2.521 ± 1.944 χ^2/NDF : 51.6/49

diff_bpm4ecX_rms vs Slug



Right In: 14556.964+/-3.385 χ^2/NDF : 2454091.9/22

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 15327.008+/-3.323 χ^2/NDF : 2844404.3/26

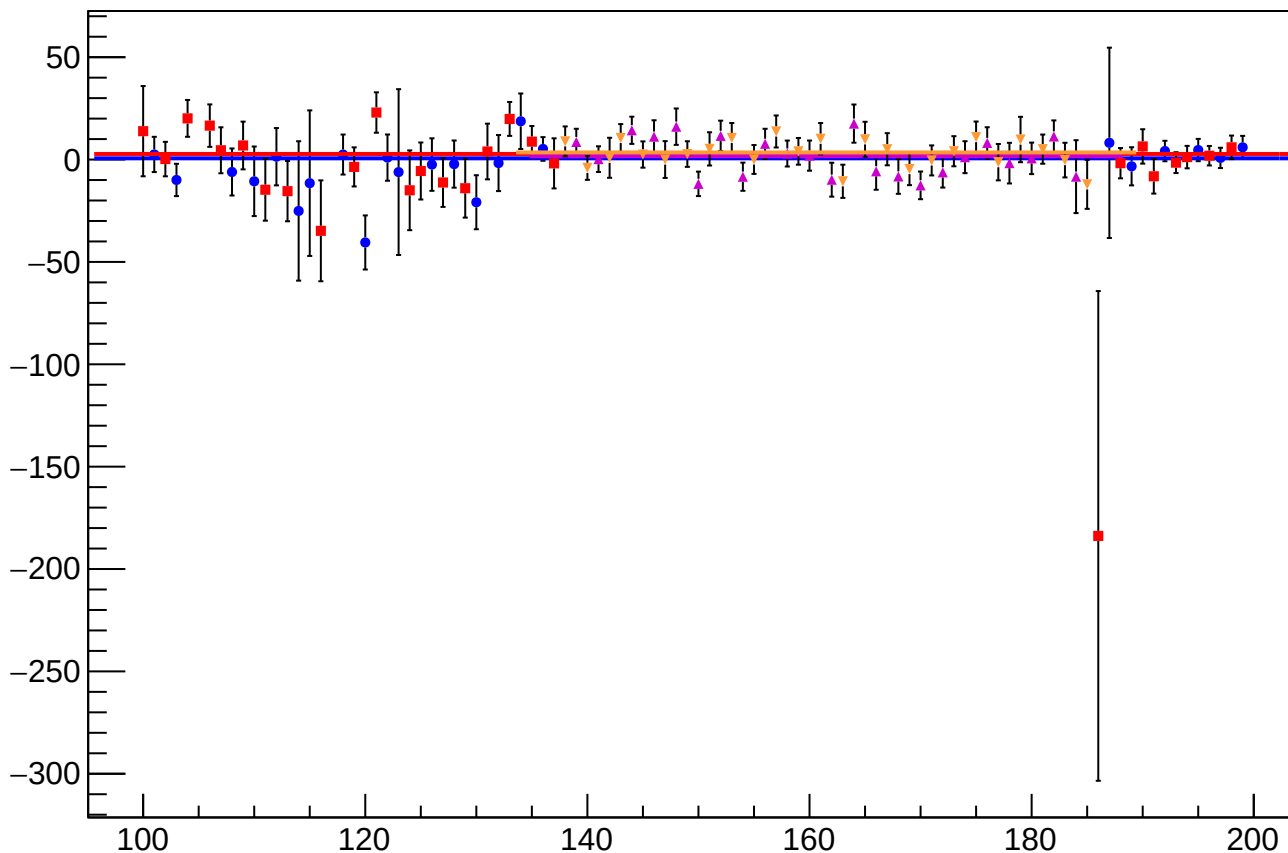
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 9654.036+/-1.336 χ^2/NDF : 5403304.3/47

All: 9803.999+/-0.958 χ^2/NDF : 11784396.3/9

- sign 9962.614+/-1.375 χ^2/NDF : 6355185.4/49

diff_bpm4ecY_mean vs Slug



Right In: 0.598 ± 1.856 χ^2/NDF : 20.4/22

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 2.734 ± 1.711 χ^2/NDF : 30.6/26

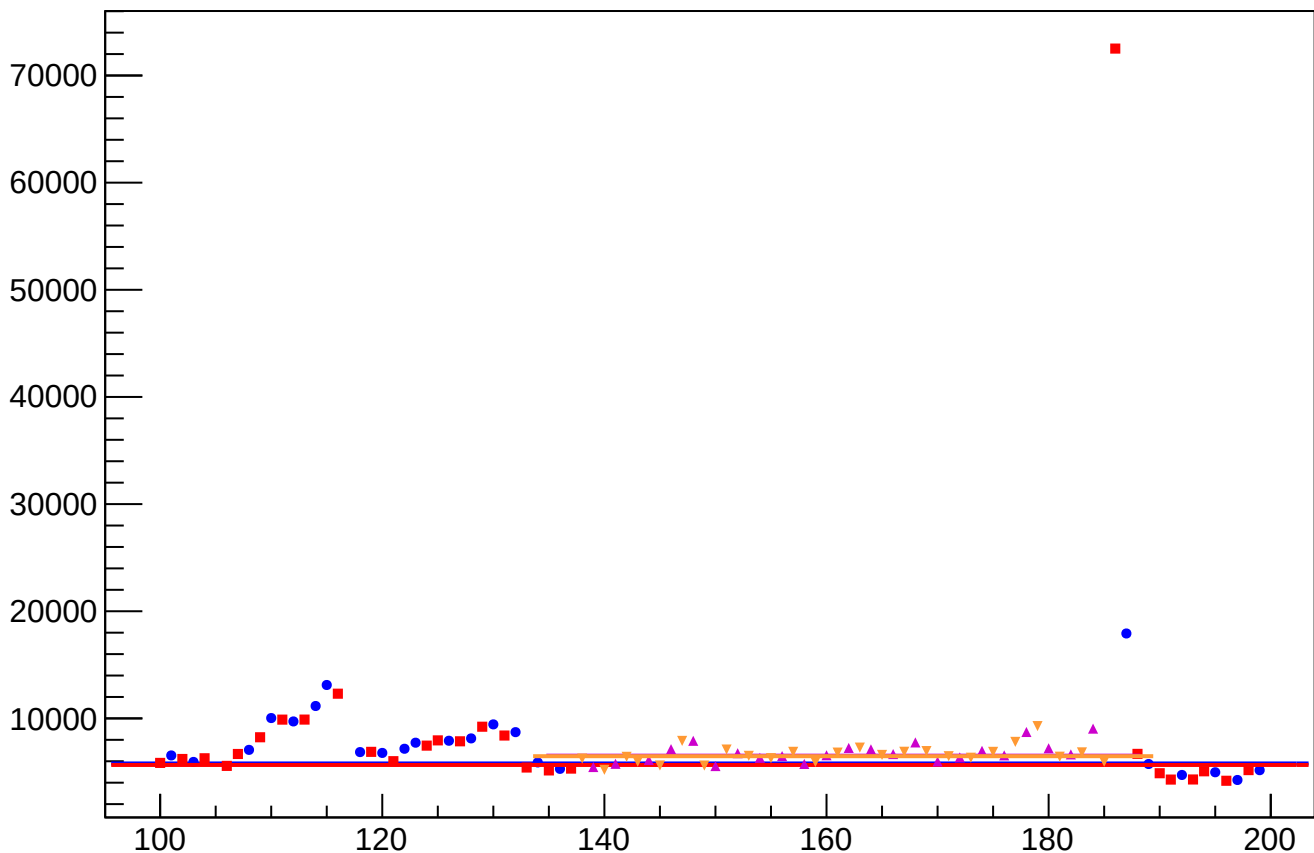
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.315 ± 1.178 χ^2/NDF : 37.6/47

All: 2.227 ± 0.827 χ^2/NDF : 102.2/97

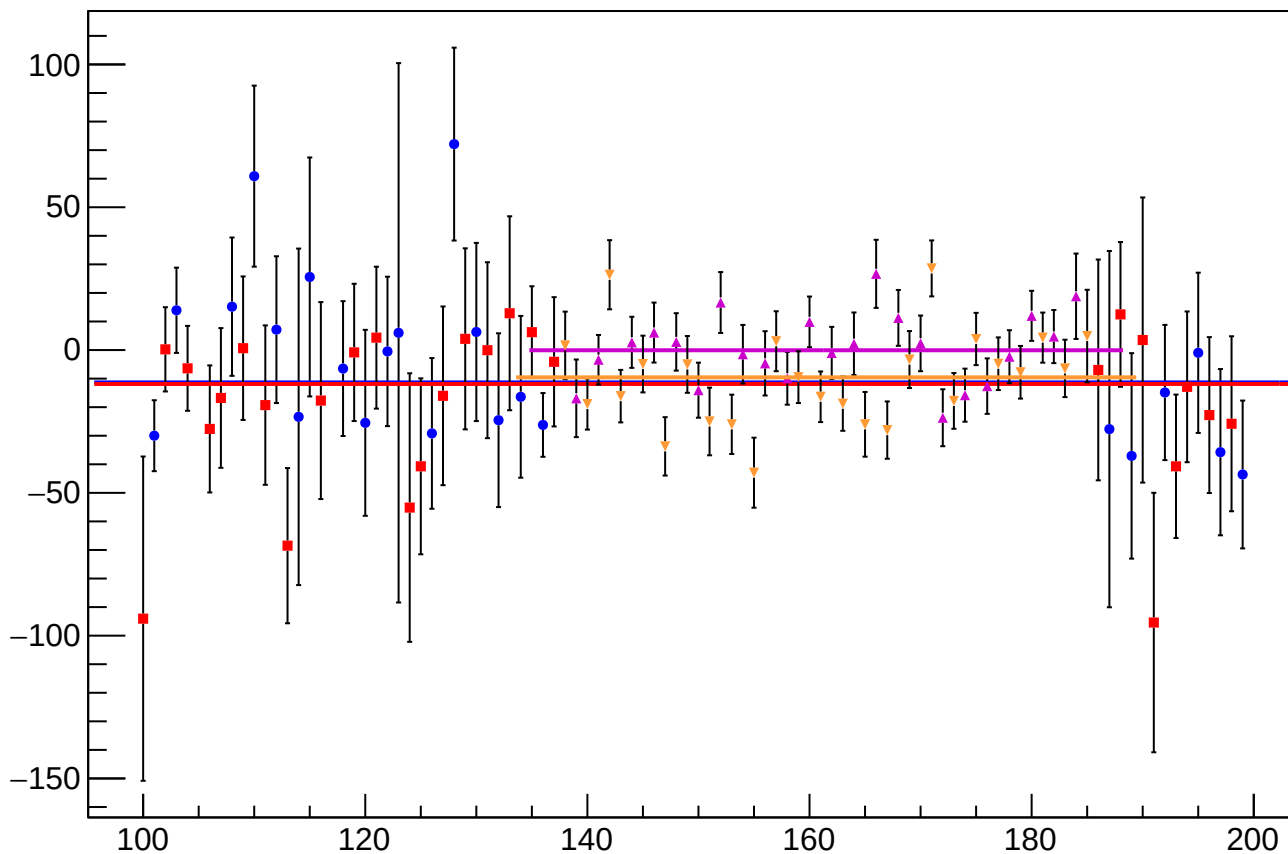
- sign 2.142 ± 1.160 χ^2/NDF : 64.5/49

diff_bpm4ecY_rms vs Slug



Right In: 5794.548+/-1.312 χ^2/NDF : 1413489.9/22 + sign 6199.091+/-0.833 χ^2/NDF : 2062895.2/47
 Left Out: 6471.976+/-1.078 χ^2/NDF : 490282.9/24 All: 6160.699+/-0.584 χ^2/NDF : 4923894.2/97
 Right Out: 5654.689+/-1.210 χ^2/NDF : 2099136.9/26 - sign 6123.464+/-0.820 χ^2/NDF : 2856813.8/49
 Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22

diff_bpm1X_mean vs Slug



Right In: -11.336 ± 4.950 χ^2/NDF : 25.2/22

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -11.868 ± 4.918 χ^2/NDF : 18.9/26

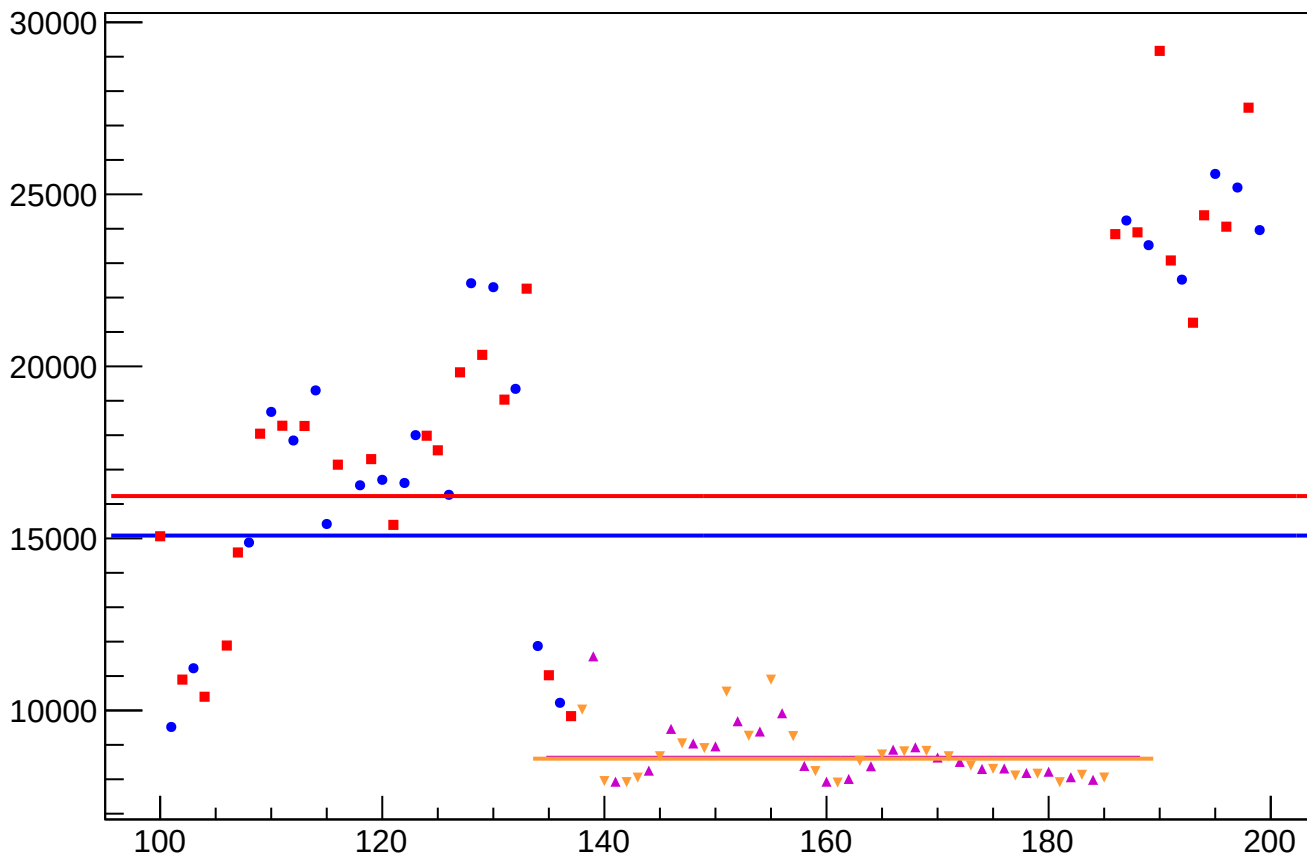
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.807 ± 1.864 χ^2/NDF : 84.8/47

All: -5.927 ± 1.334 χ^2/NDF : 147.3/97

- sign -1.851 ± 1.910 χ^2/NDF : 53.6/49

diff_bpm1X_rms vs Slug



Right In: 15082.928+/-3.500 χ^2/NDF : 2373765.3/22

Left Out: 8598.983+/-1.423 χ^2/NDF : 249070.5/24

Right Out: 16230.832+/-3.477 χ^2/NDF : 2359439.9/26

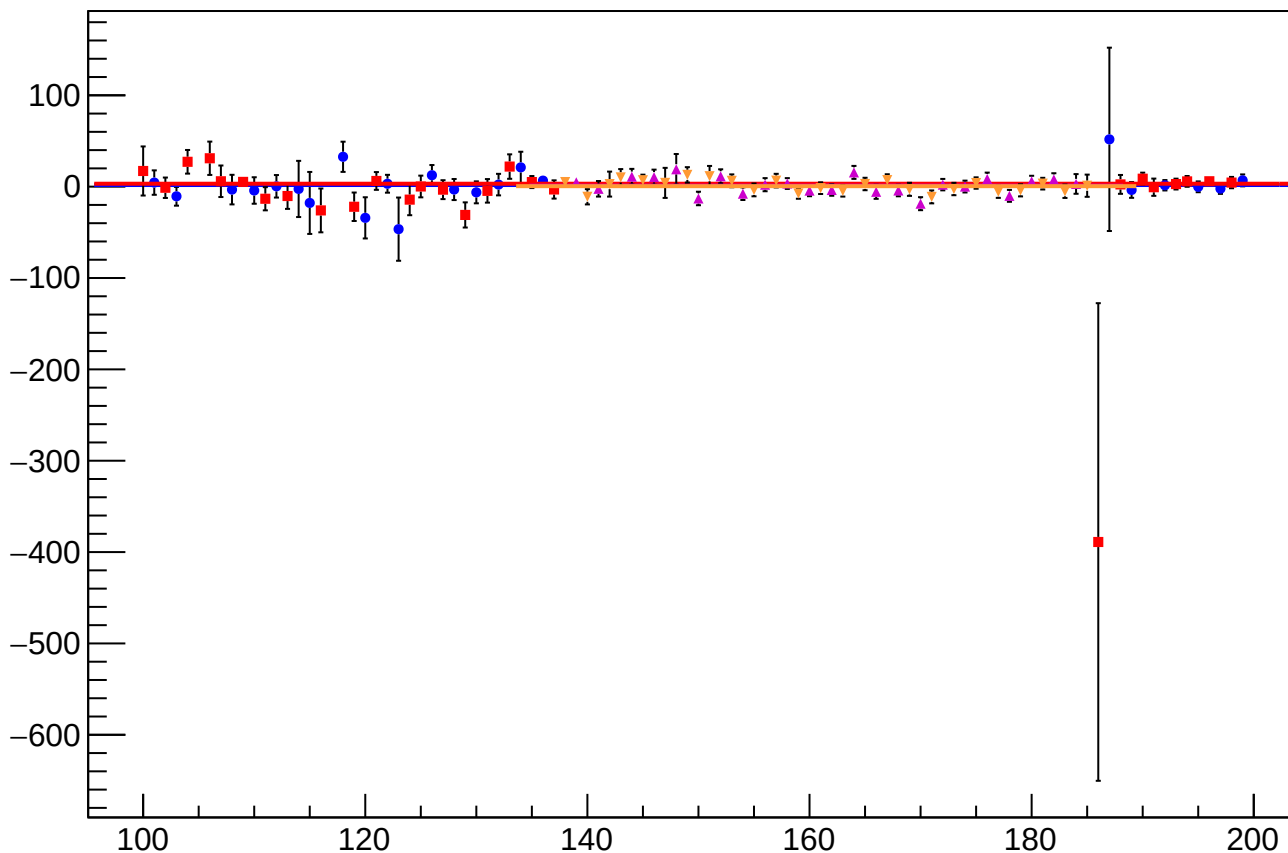
Left In: 8625.233+/-1.466 χ^2/NDF : 237310.9/22

+ sign 9518.230+/-1.318 χ^2/NDF : 5568266.4/47

All: 9642.249+/-0.943 χ^2/NDF : 12245215.4/5

- sign 9772.507+/-1.351 χ^2/NDF : 6658790.9/49

diff_bpm1Y_mean vs Slug



Right In: 1.788 $\pm$ 1.968 χ^2 /NDF: 16.0/22

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.206 $\pm$ 1.745 χ^2 /NDF: 27.3/26

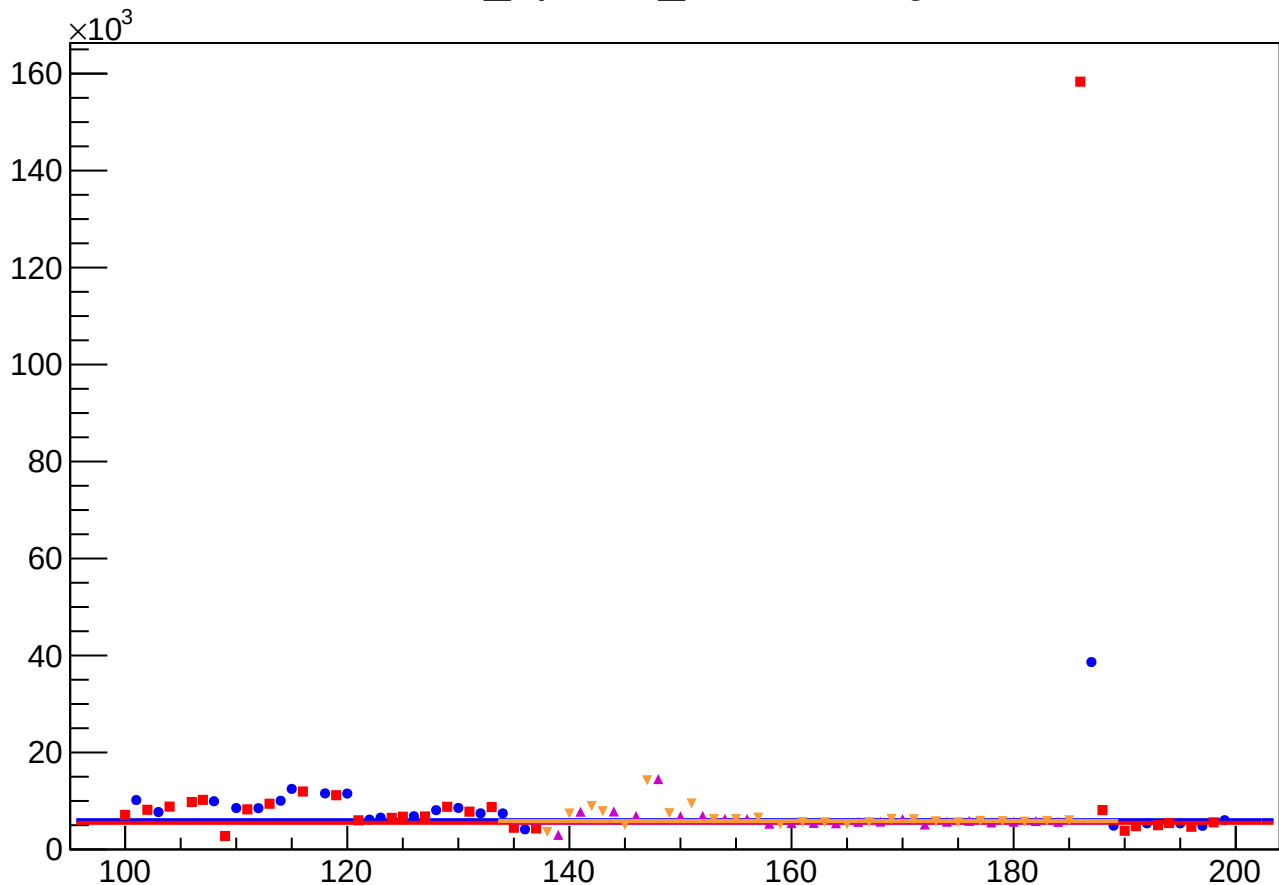
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.958 $\pm$ 1.150 χ^2 /NDF: 35.7/47

All: 1.450 $\pm$ 0.791 χ^2 /NDF: 96.8/97

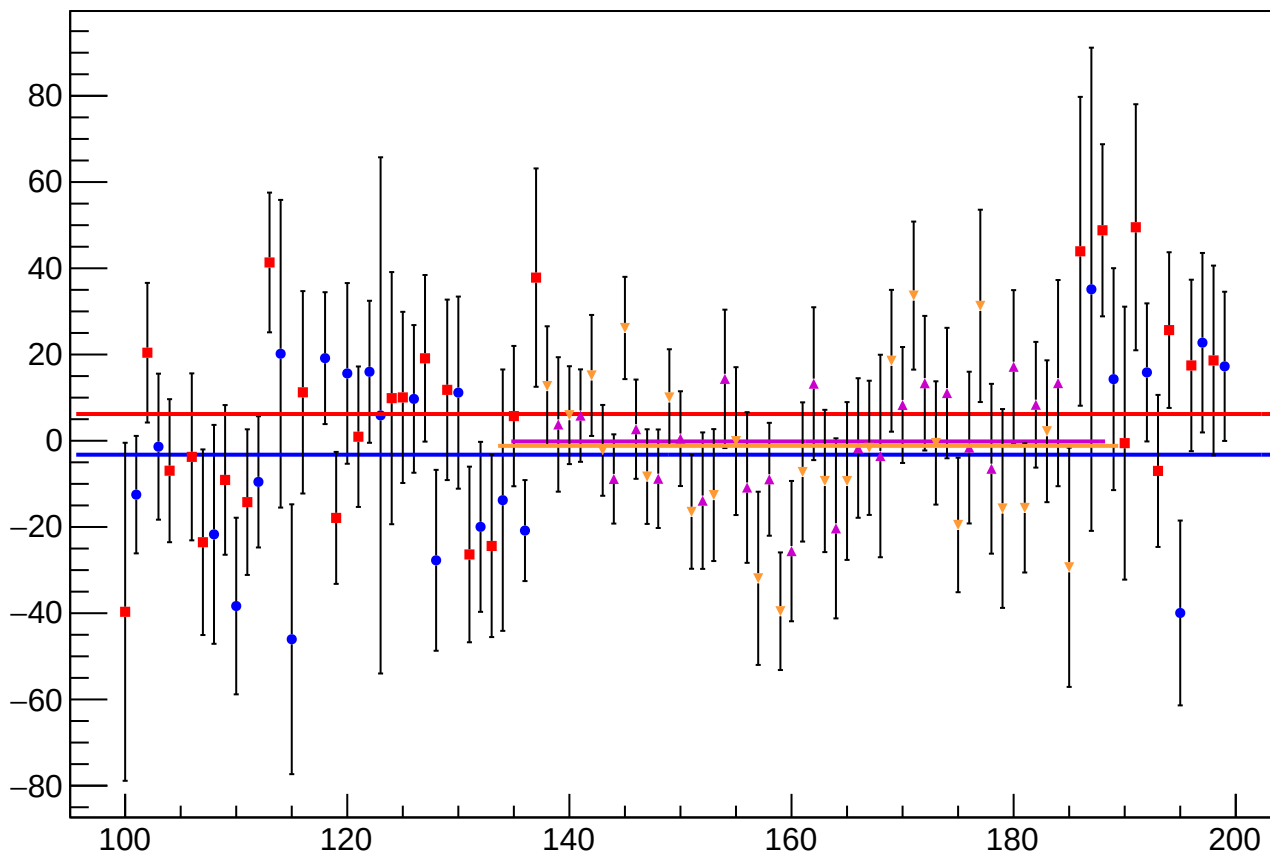
- sign 1.891 $\pm$ 1.090 χ^2 /NDF: 60.7/49

diff_bpm1Y_rms vs Slug



Right In: 6037.747 ± 1.392 $\chi^2/\text{NDF}: 1886274.9/22$ + sign 5921.114 ± 0.813 $\chi^2/\text{NDF}: 3586991.2/47$
 Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$ All: 5720.670 ± 0.559 $\chi^2/\text{NDF}: 9200435.8/97$
 Right Out: 5492.995 ± 1.234 $\chi^2/\text{NDF}: 3332961.9/26$ - sign 5540.763 ± 0.771 $\chi^2/\text{NDF}: 5498209.1/49$
 Left In: 5571.330 ± 0.987 $\chi^2/\text{NDF}: 2162788.3/22$

diff_bpm11X_mean vs Slug



Right In: -3.232 ± 4.027 χ^2/NDF : 24.5/22

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 6.202 ± 3.822 χ^2/NDF : 31.7/26

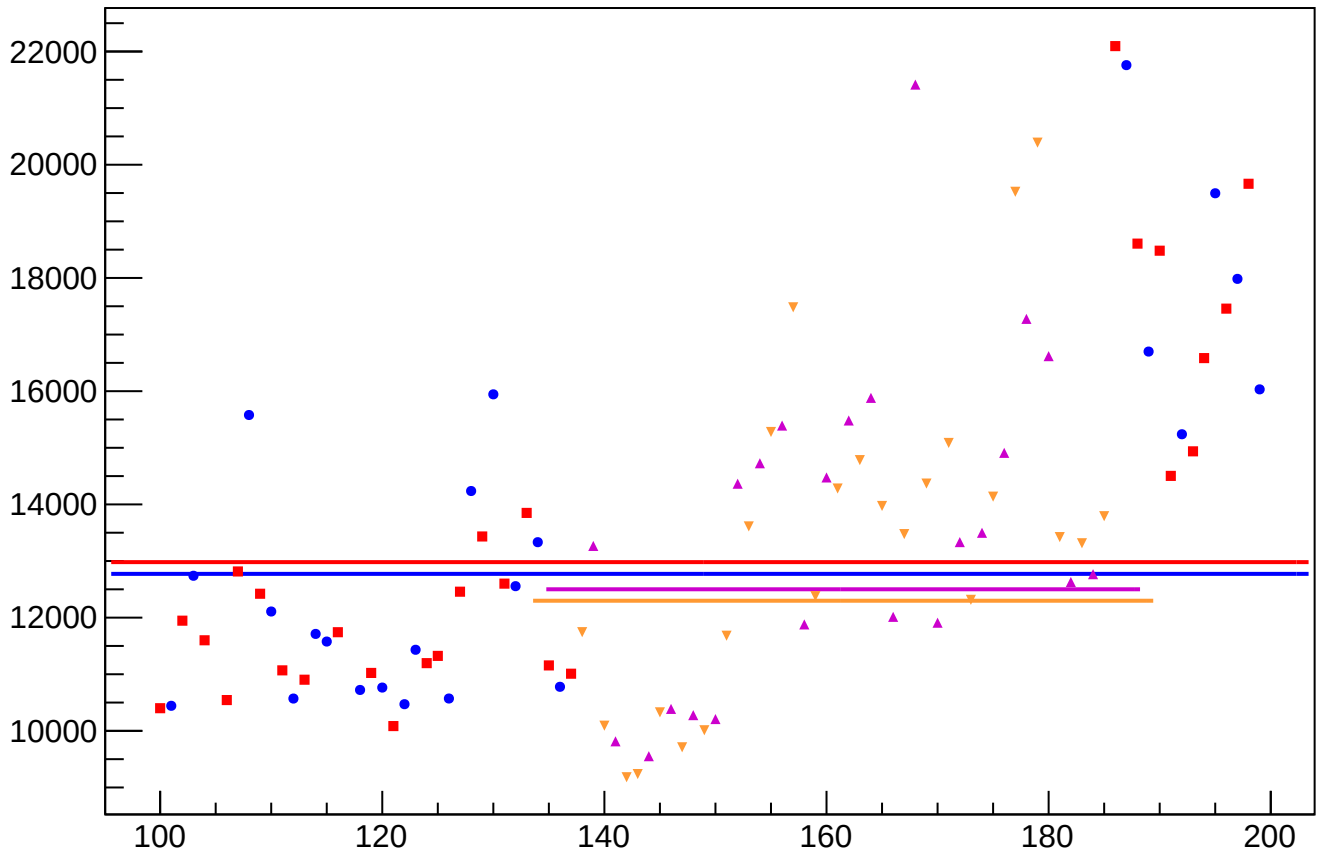
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -1.895 ± 2.374 χ^2/NDF : 58.3/47

All: 0.203 ± 1.683 χ^2/NDF : 104.8/97

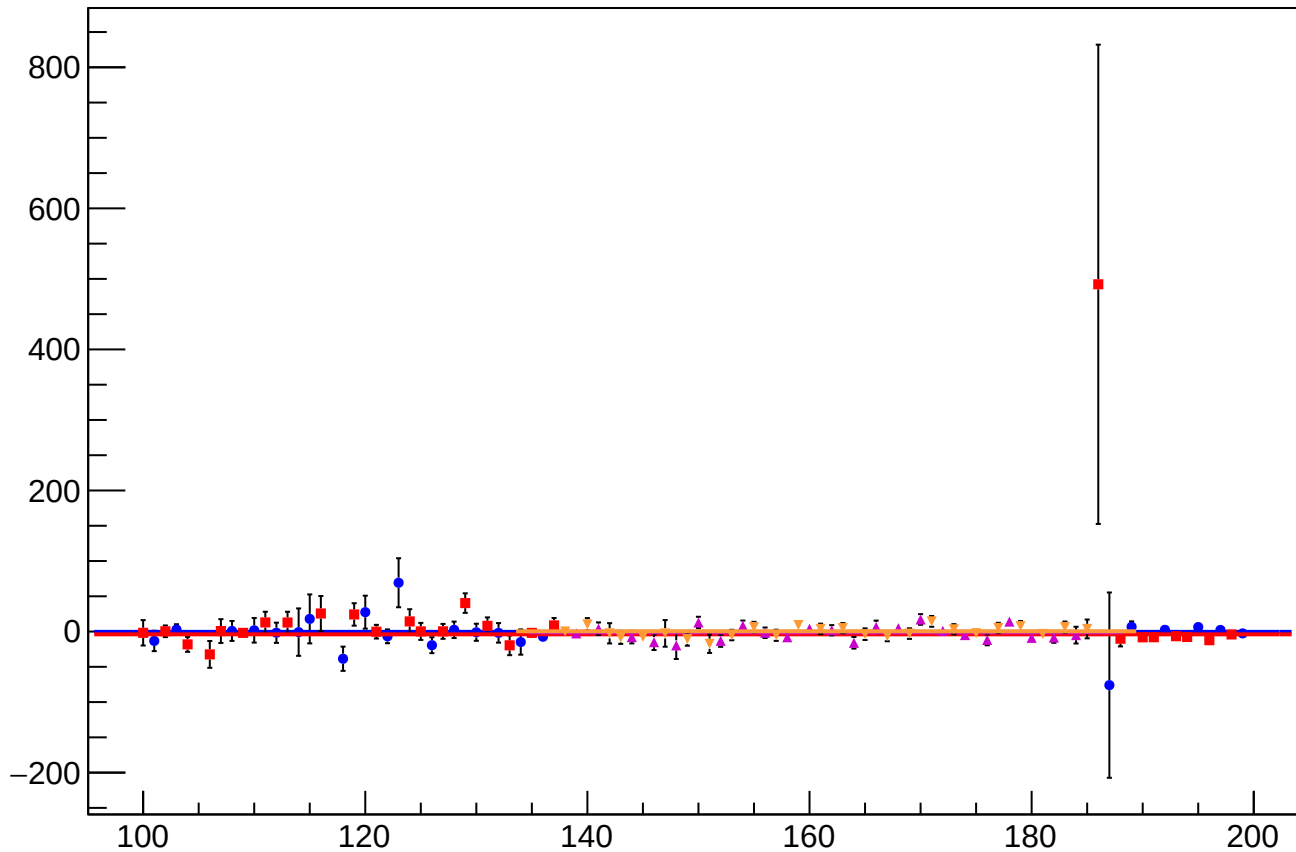
- sign 2.325 ± 2.388 χ^2/NDF : 44.9/49

diff_bpm11X_rms vs Slug



Right In: 12773.082 $\pm$ 2.848	χ^2 /NDF: 906829.9/22	+ sign 12463.529 $\pm$ 1.679	χ^2 /NDF: 2430966.9/47
Left Out: 12298.676 $\pm$ 2.078	χ^2 /NDF: 1506026.8/24	All: 12575.141 $\pm$ 1.190	χ^2 /NDF: 4851402.9/50
Right Out: 12980.533 $\pm$ 2.702	χ^2 /NDF: 1034440.6/26	- sign 12688.054 $\pm$ 1.688	χ^2 /NDF: 2411542.7/49
Left In: 12500.795 $\pm$ 2.162	χ^2 /NDF: 1357889.1/22		

diff_bpm11Y_mean vs Slug



Right In: -0.439 ± 1.787 χ^2/NDF : 21.6/22

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -3.941 ± 1.606 χ^2/NDF : 34.0/26

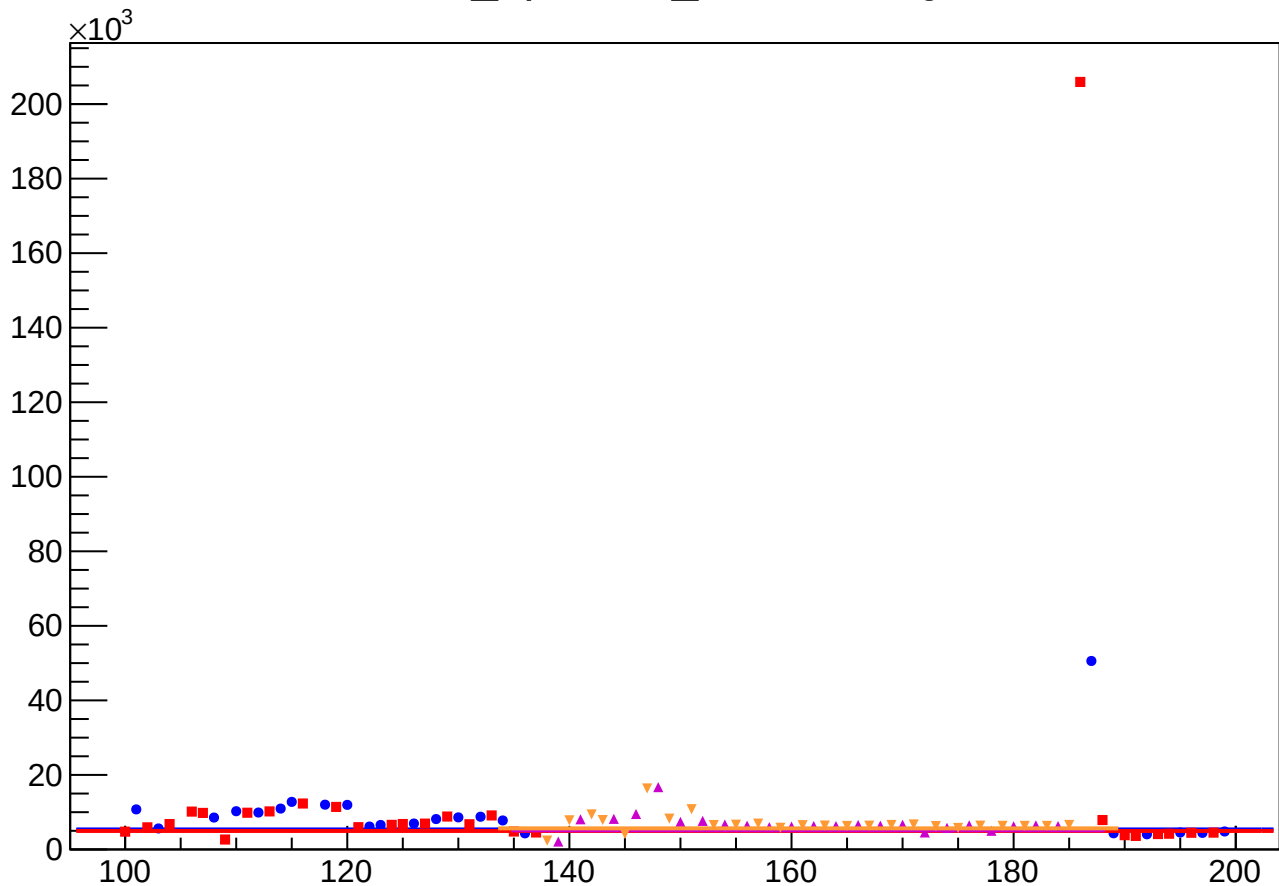
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.043 ± 1.118 χ^2/NDF : 40.9/47

All: -1.229 ± 0.763 χ^2/NDF : 112.6/97

- sign -2.336 ± 1.043 χ^2/NDF : 69.3/49

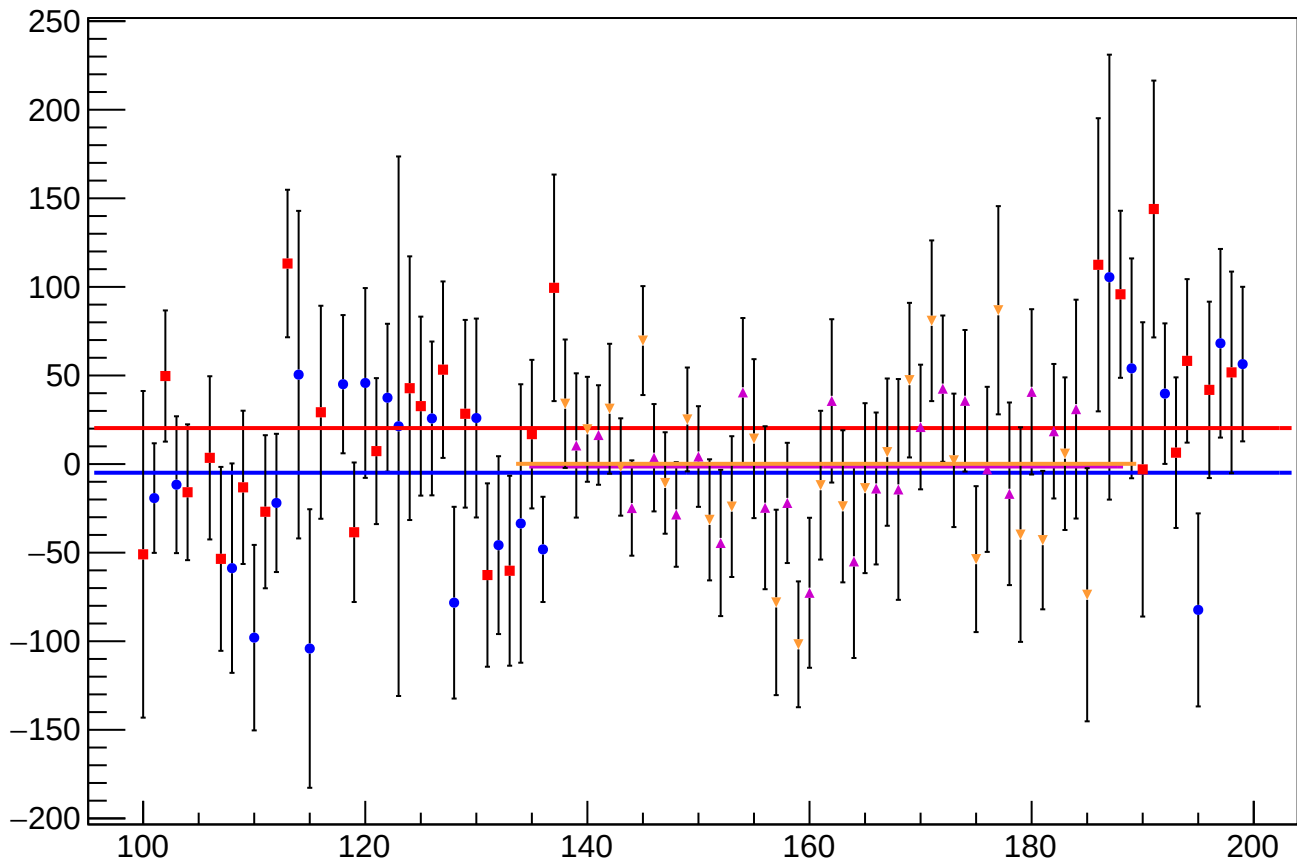
diff_bpm11Y_rms vs Slug



Right In: 5370.614 ± 1.263 χ^2/NDF : 2505589.8/22
 Left Out: 5659.441 ± 1.014 χ^2/NDF : 4128583.6/24
 Right Out: 4965.030 ± 1.136 χ^2/NDF : 3493196.7/26
 Left In: 5137.772 ± 0.970 χ^2/NDF : 5495609.7/22

+ sign 5546.327 ± 0.791 χ^2/NDF : 6665975.1/47
 All: 5288.924 ± 0.539 χ^2/NDF : 15866424.4/9
 - sign 5064.936 ± 0.737 χ^2/NDF : 9002186.3/49

diff_bpm12X_mean vs Slug



Right In: -4.892 ± 10.009 χ^2/NDF : 24.4/22

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 20.316 ± 9.508 χ^2/NDF : 28.4/26

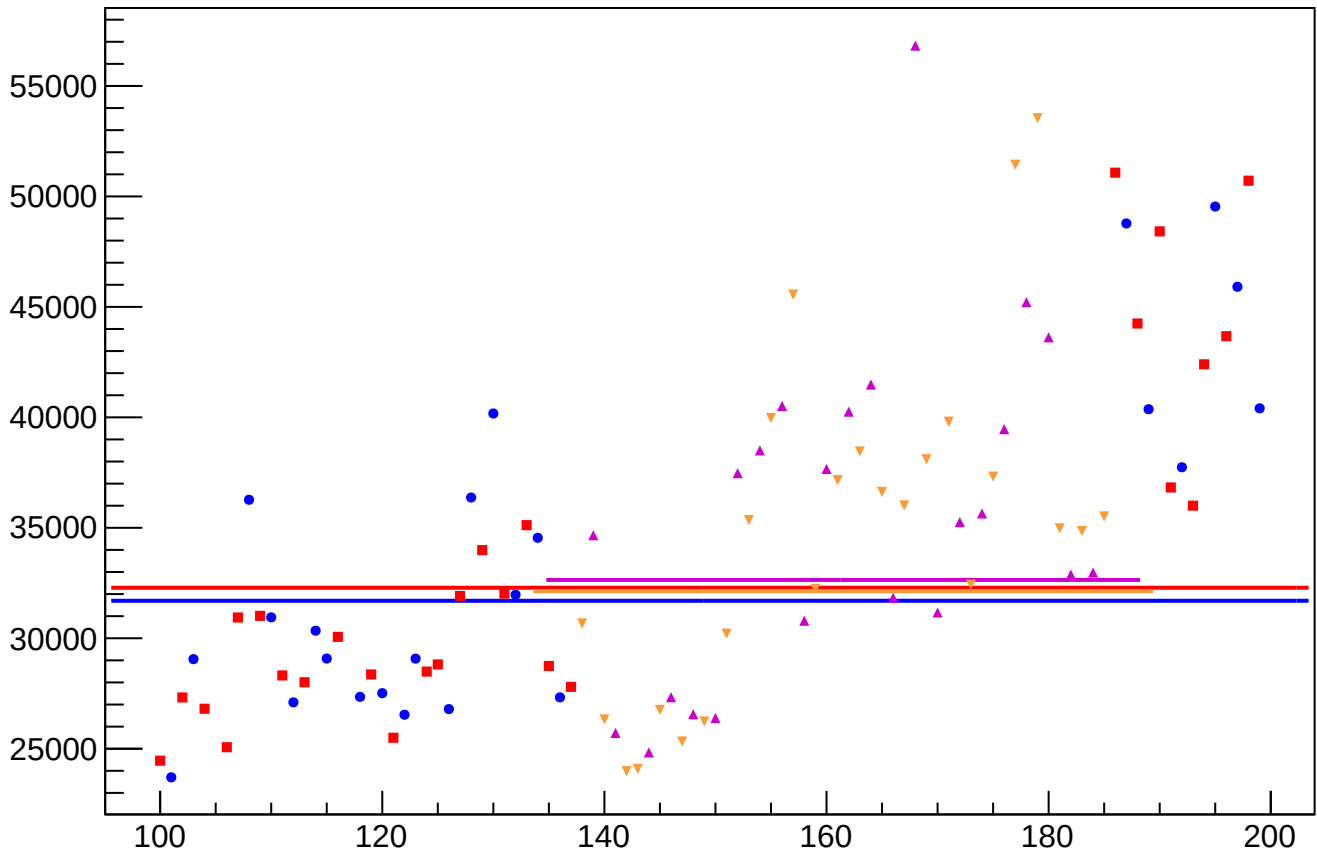
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -1.724 ± 6.095 χ^2/NDF : 55.8/47

All: 2.923 ± 4.317 χ^2/NDF : 101.7/97

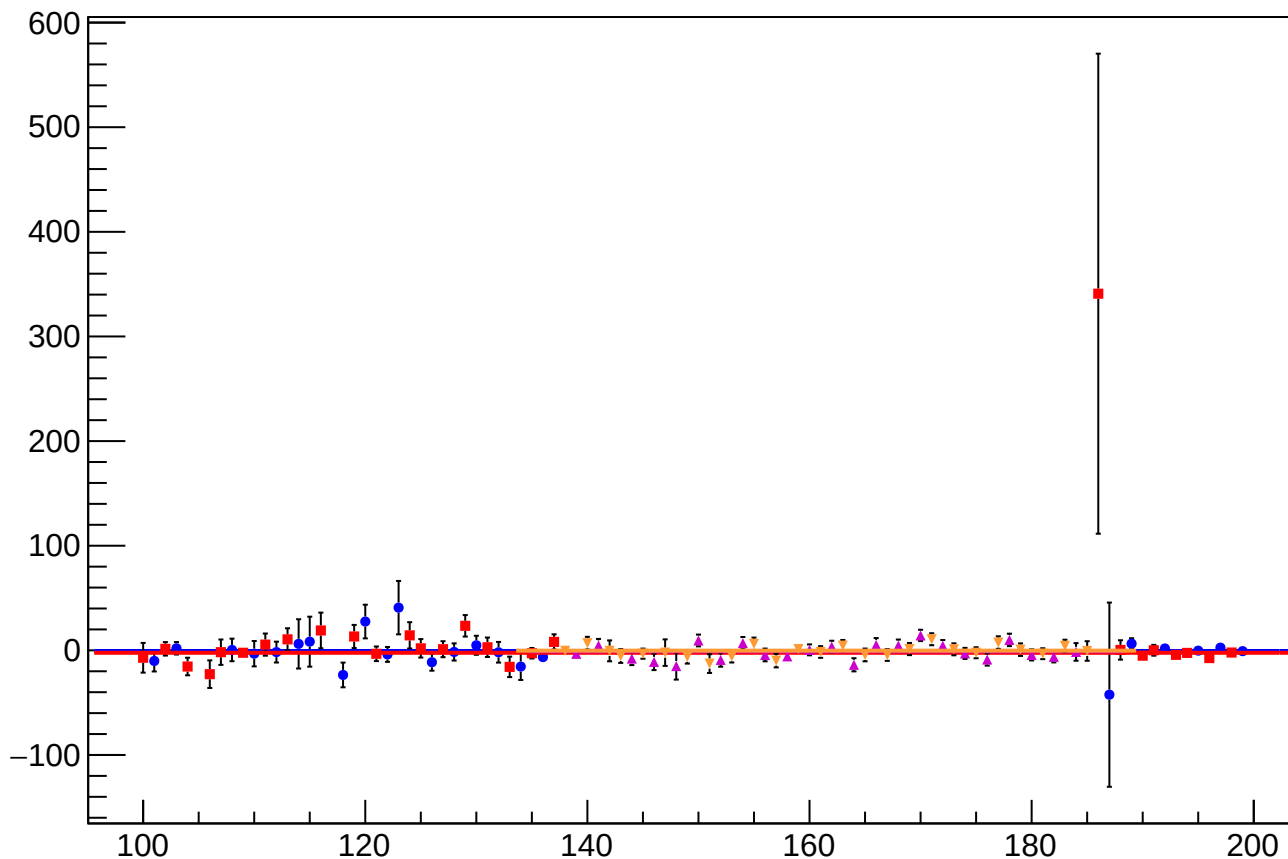
- sign 7.604 ± 6.117 χ^2/NDF : 44.8/49

diff_bpm12X_rms vs Slug



Right In: 31697.249+/-7.078	χ^2/NDF : 945306.7/22	+ sign 31971.004+/-4.310	χ^2/NDF : 2487763.7/47
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 32231.943+/-3.053	χ^2/NDF : 4944861.7/9
Right Out: 32287.563+/-6.723	χ^2/NDF : 1045955.2/26	- sign 32494.797+/-4.325	χ^2/NDF : 2449738.8/49
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: -0.614 ± 1.239 χ^2/NDF : 21.1/22

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -2.325 ± 1.158 χ^2/NDF : 29.5/26

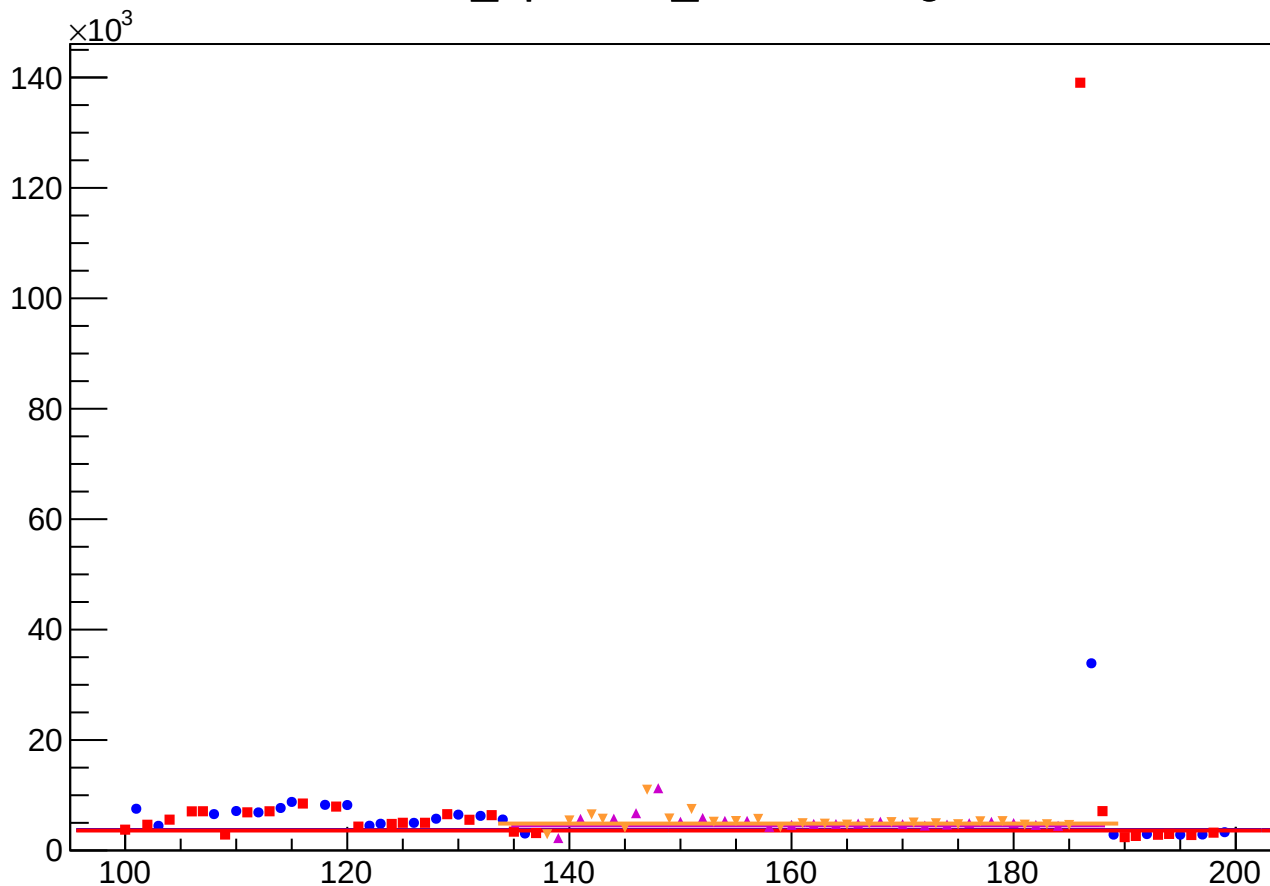
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.455 ± 0.851 χ^2/NDF : 38.8/47

All: -1.057 ± 0.588 χ^2/NDF : 106.1/97

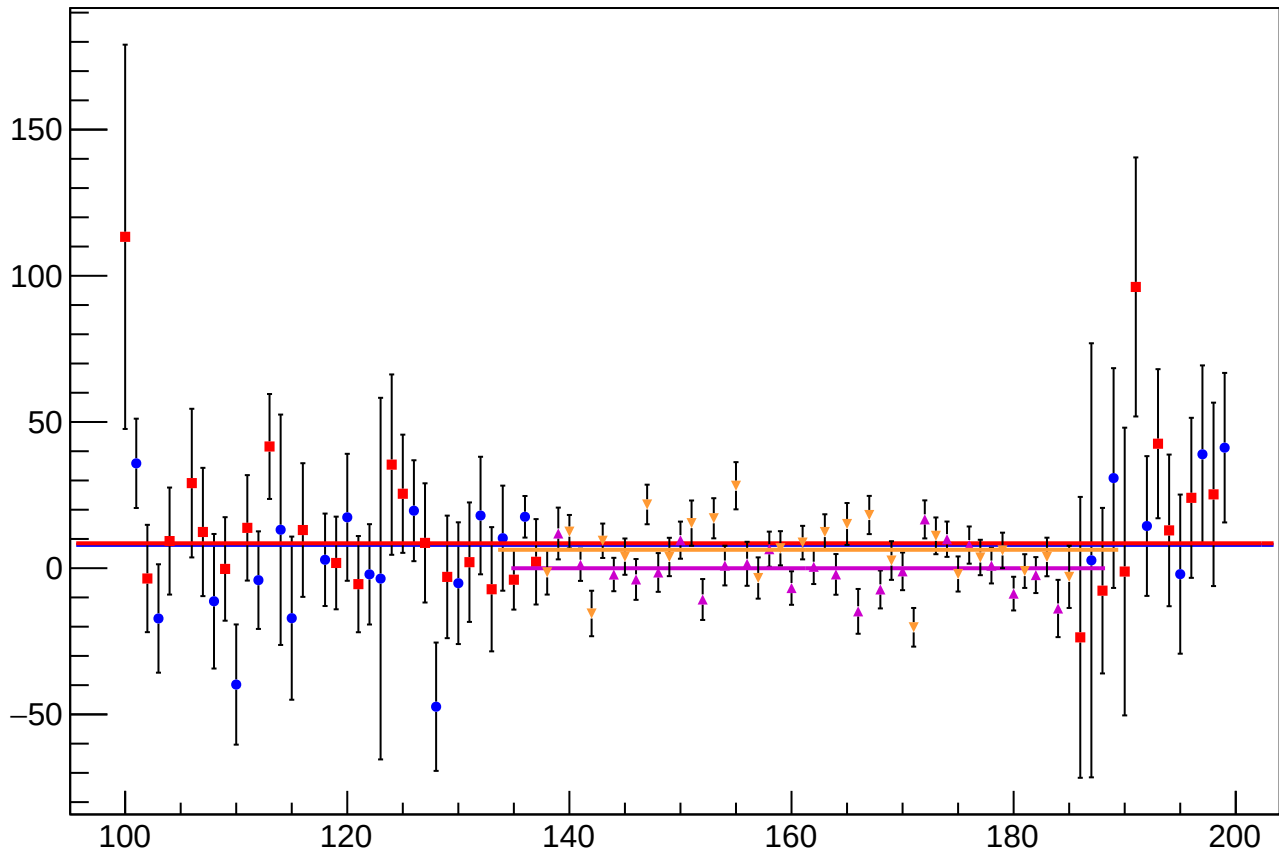
- sign -1.606 ± 0.813 χ^2/NDF : 66.4/49

diff_bpm12Y_rms vs Slug



Right In: 3701.125 ± 0.876 $\chi^2/\text{NDF}: 2761586.9/22$ + sign 4317.273 ± 0.602 $\chi^2/\text{NDF}: 5210367.3/47$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 4196.891 ± 0.416 $\chi^2/\text{NDF}: 12104488.6/9$
 Right Out: 3616.557 ± 0.819 $\chi^2/\text{NDF}: 3532778.6/26$ - sign 4086.986 ± 0.575 $\chi^2/\text{NDF}: 6817597.7/49$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 7.976 ± 3.880 χ^2/NDF : 25.9/22

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 8.518 ± 3.959 χ^2/NDF : 19.6/26

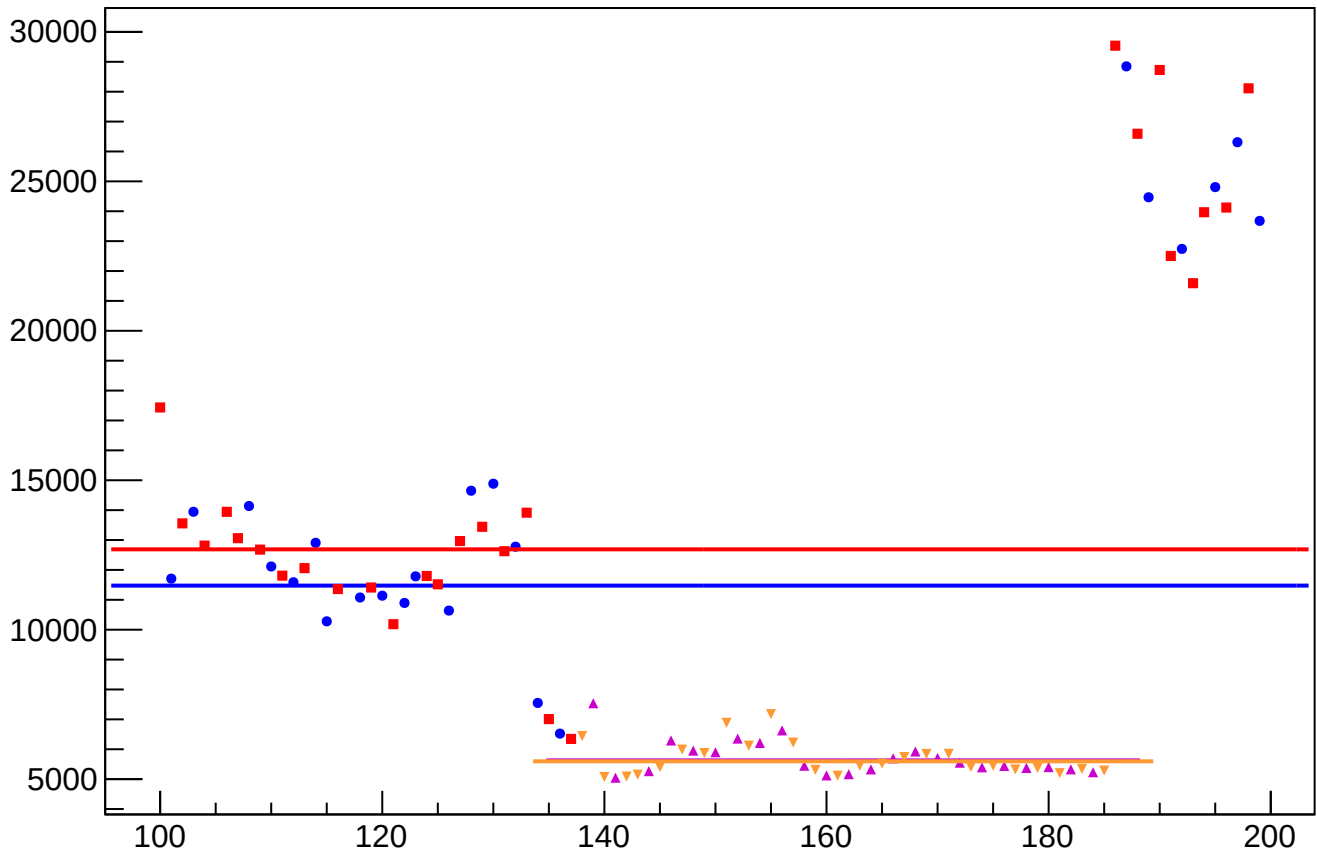
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.468 ± 1.241 χ^2/NDF : 82.6/47

All: 3.757 ± 0.891 χ^2/NDF : 146.1/97

- sign 0.873 ± 1.280 χ^2/NDF : 53.7/49

diff_bpm16X_rms vs Slug



Right In: 11475.318+/-2.744 χ^2/NDF : 3453121.7/22

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 12688.216+/-2.799 χ^2/NDF : 3600908.2/26

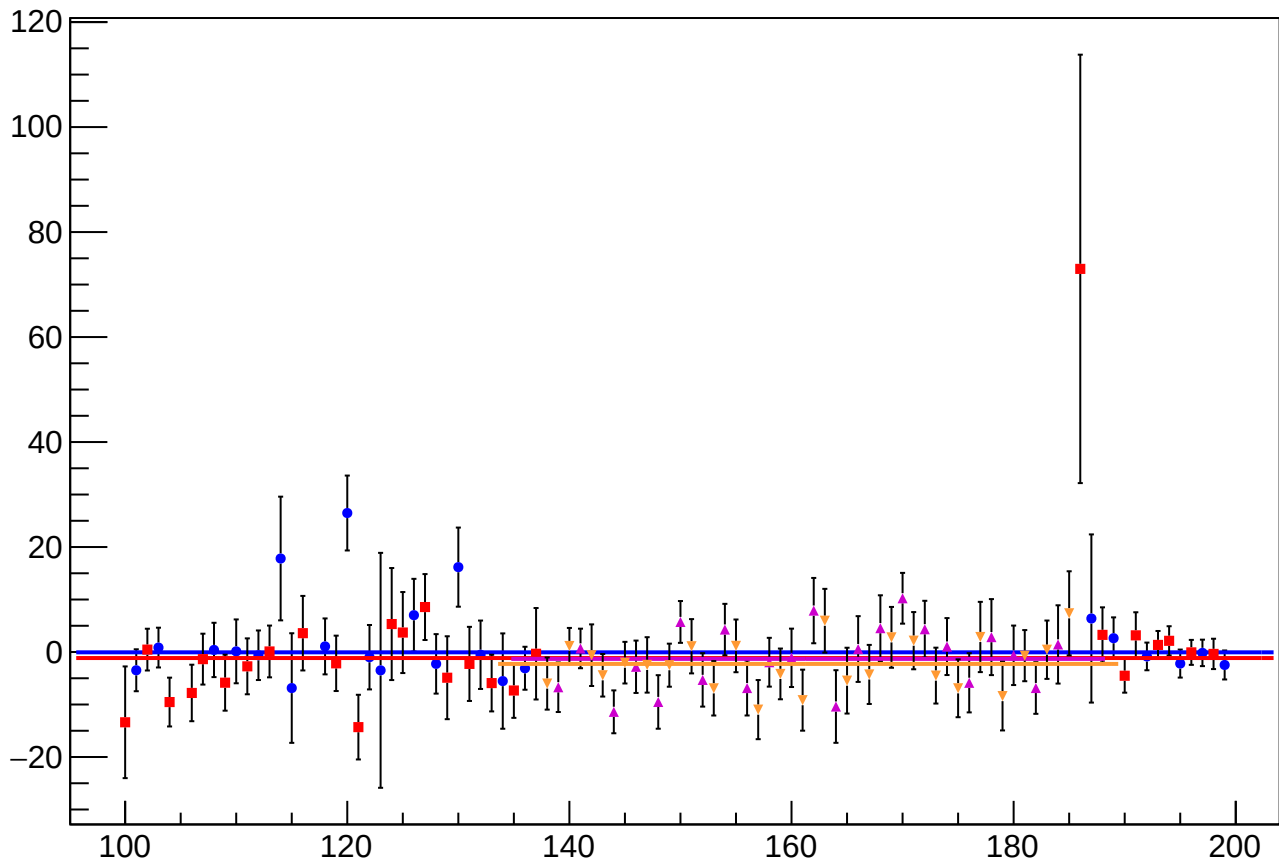
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6198.115+/-0.878 χ^2/NDF : 7858838.1/47

All: 6279.402+/-0.630 χ^2/NDF : 17453843.3/50

- sign 6365.882+/-0.905 χ^2/NDF : 9577304.6/49

diff_bpm16Y_mean vs Slug



Right In: -0.059 ± 0.934 χ^2/NDF : 26.3/22

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.148 ± 0.873 χ^2/NDF : 26.5/26

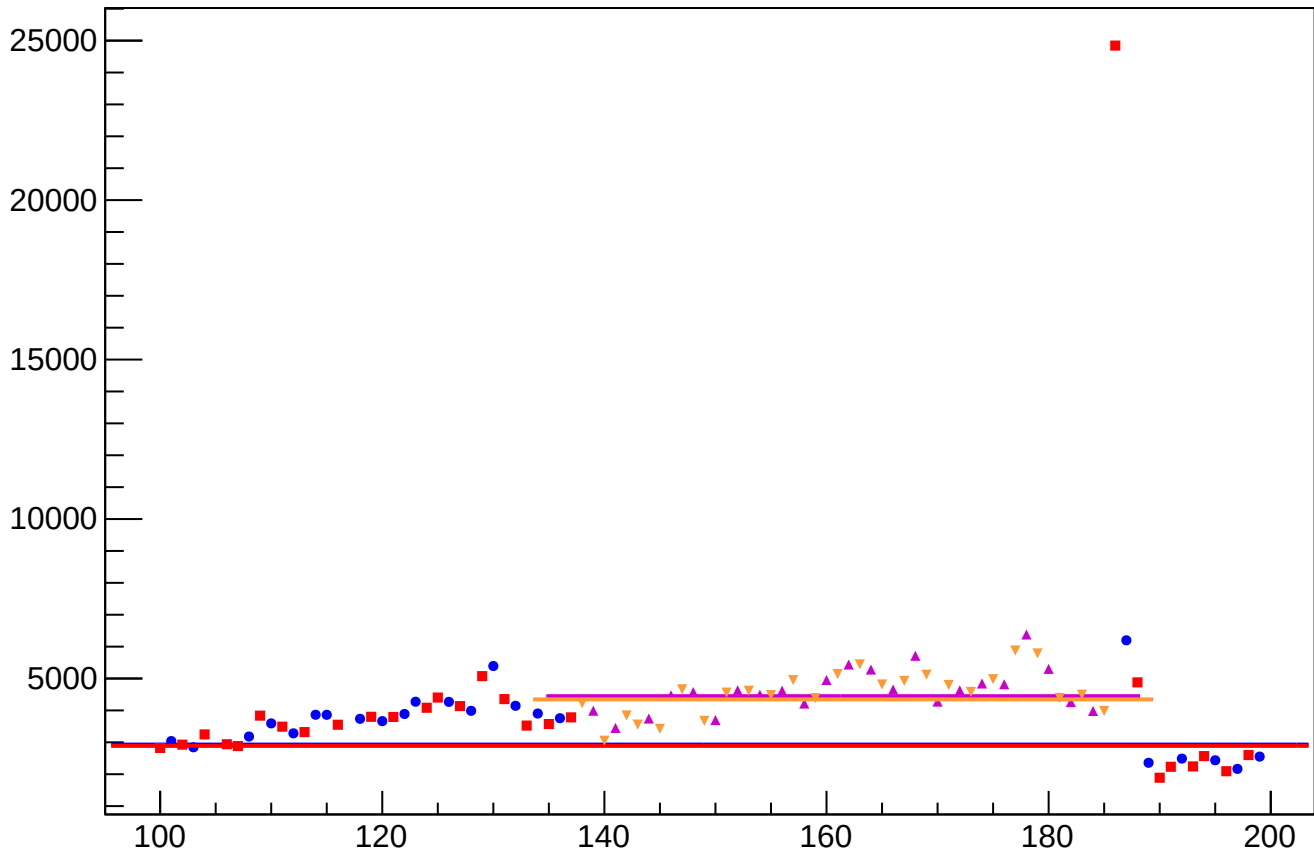
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.056 ± 0.692 χ^2/NDF : 44.2/47

All: -1.135 ± 0.484 χ^2/NDF : 101.5/97

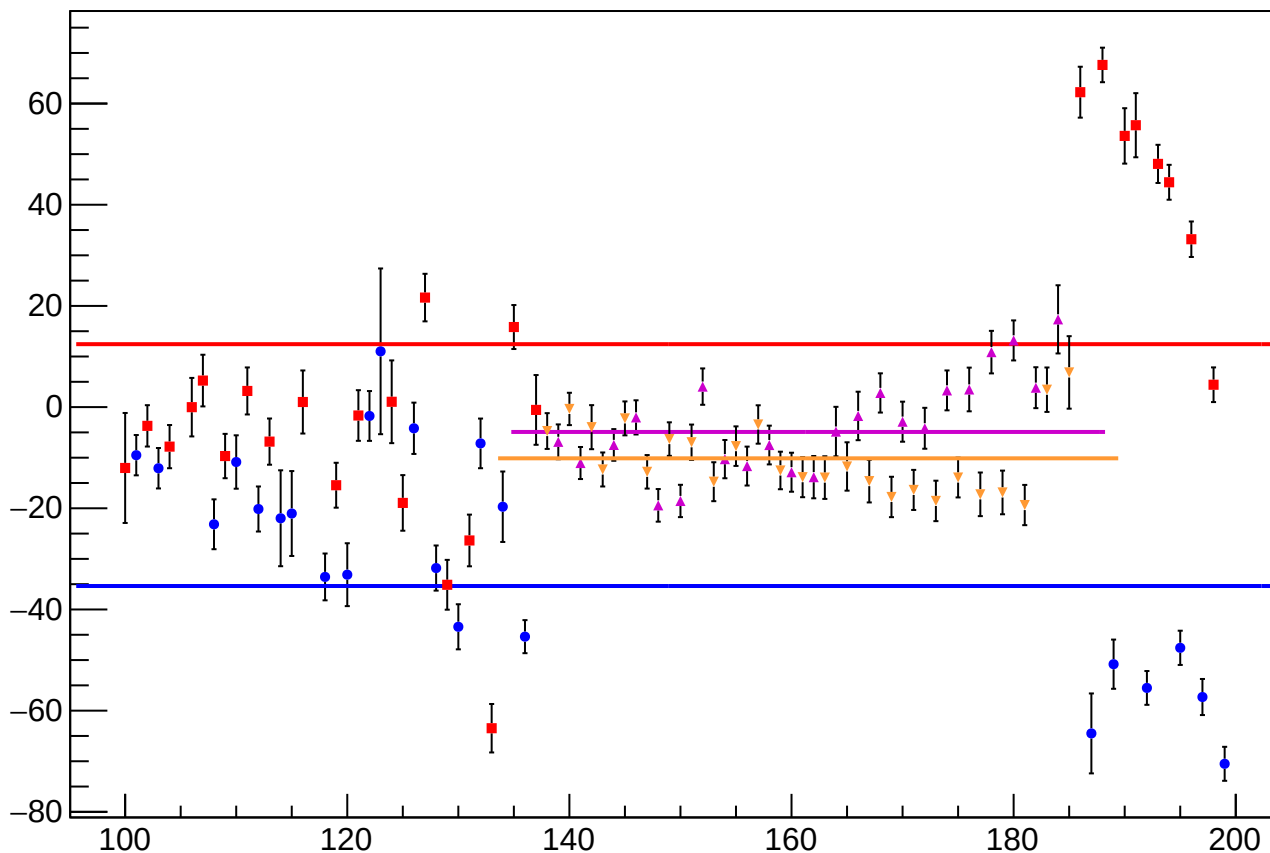
- sign -1.210 ± 0.678 χ^2/NDF : 57.3/49

diff_bpm16Y_rms vs Slug



Right In: 2928.359+/-0.660	χ^2/NDF : 1195379.6/22	+ sign 3568.063+/-0.489	χ^2/NDF : 4274782.1/47
Left Out: 4345.381+/-0.728	χ^2/NDF : 1000636.1/24	All: 3536.498+/-0.342	χ^2/NDF : 9740986.5/97
Right Out: 2889.016+/-0.617	χ^2/NDF : 2231610.5/26	- sign 3506.164+/-0.479	χ^2/NDF : 5458036.5/49
Left In: 4446.181+/-0.762	χ^2/NDF : 702797.6/22		

diff_bpm0l01X_mean vs Slug



Right In: -35.363 ± 0.956 χ^2/NDF : 484.9/22

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 12.439 ± 0.895 χ^2/NDF : 1270.6/26

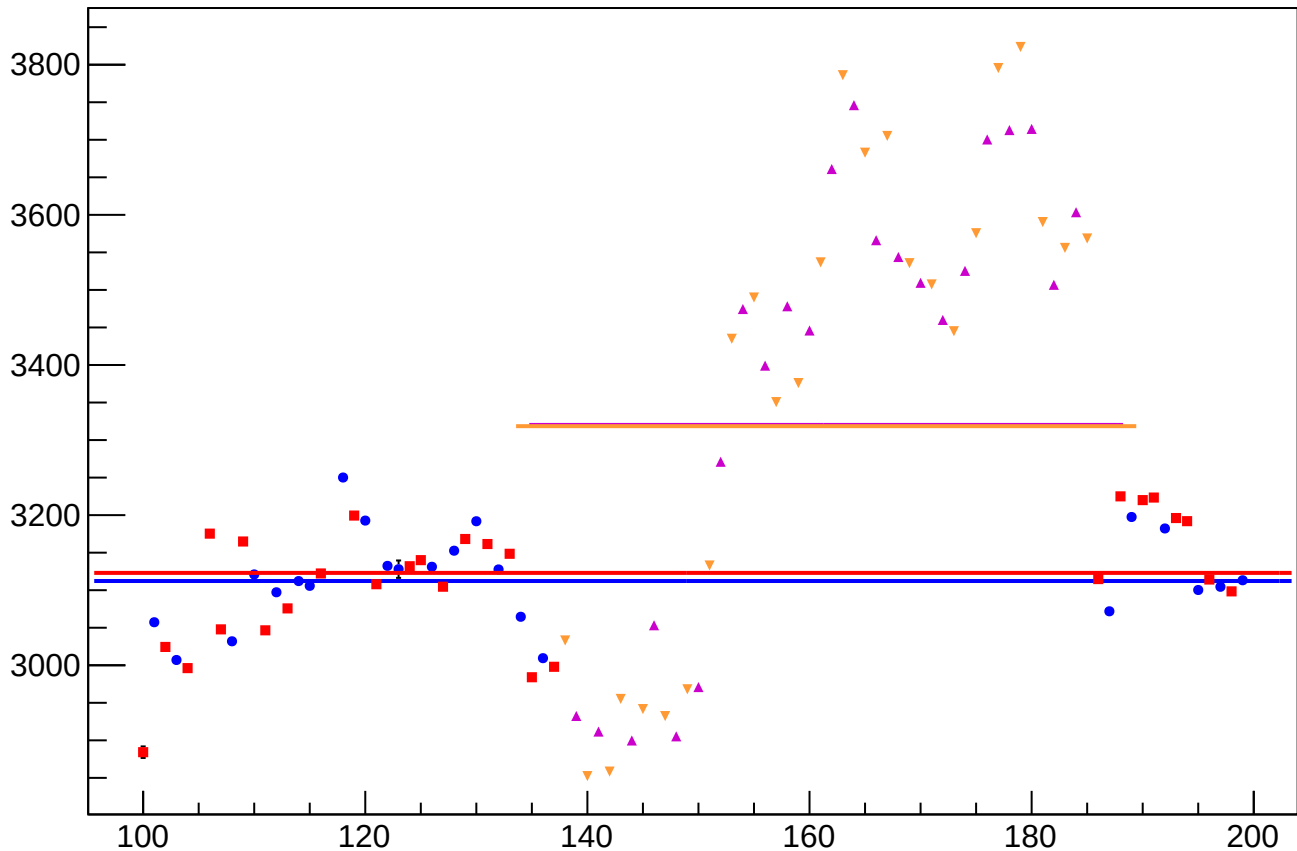
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -20.139 ± 0.602 χ^2/NDF : 973.1/47

All: -8.552 ± 0.423 χ^2/NDF : 3313.0/97

- sign 2.766 ± 0.595 χ^2/NDF : 1608.2/49

diff_bpm0l01X_rms vs Slug



Right In: 3112.244+/-0.676 χ^2/NDF : 8974.6/22

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3123.060+/-0.633 χ^2/NDF : 13719.2/26

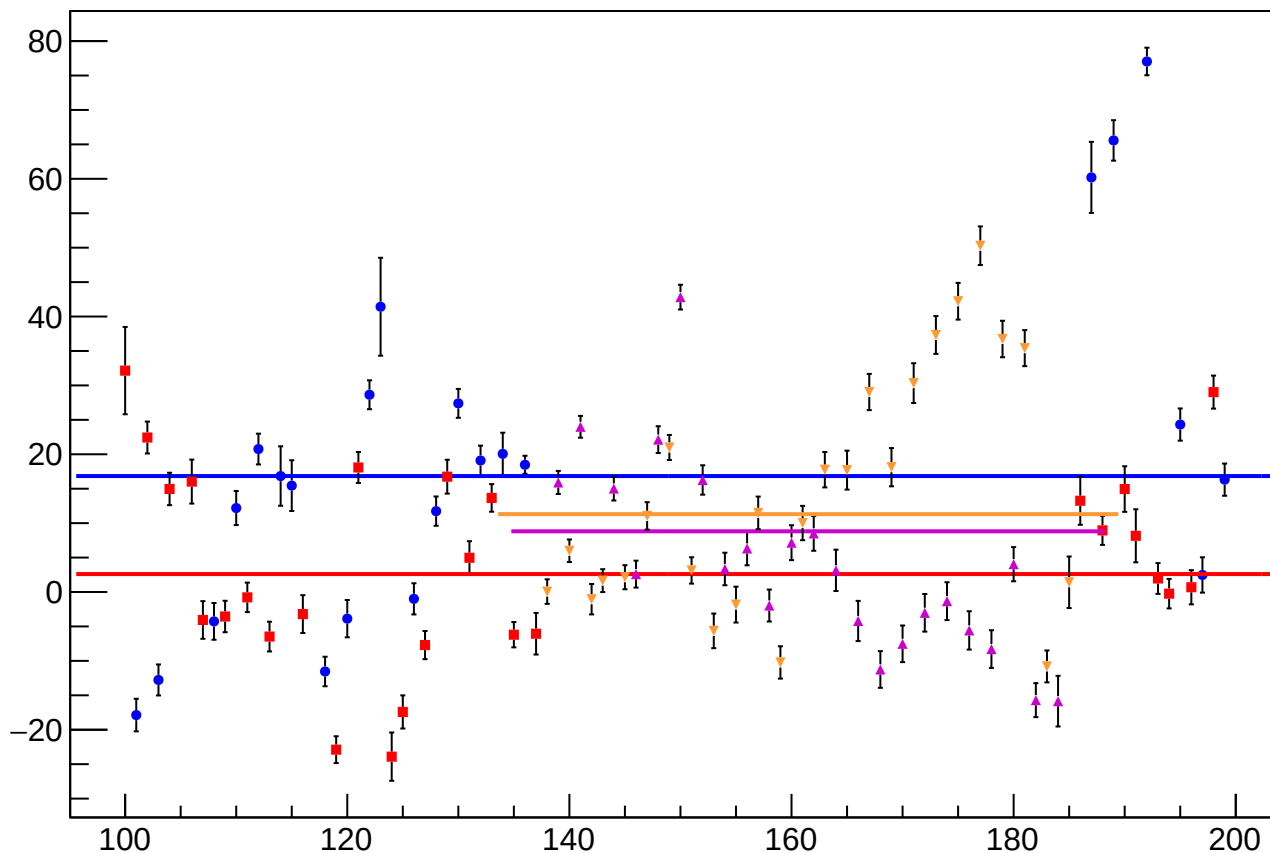
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3236.660+/-0.426 χ^2/NDF : 402815.8/47

All: 3234.787+/-0.299 χ^2/NDF : 758316.8/97

- sign 3232.957+/-0.421 χ^2/NDF : 355462.7/49

diff_bpm0l01Y_mean vs Slug



Right In: 16.837 $\pm$ 0.495 χ^2 /NDF: 2123.7/22

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 2.605 $\pm$ 0.469 χ^2 /NDF: 803.8/26

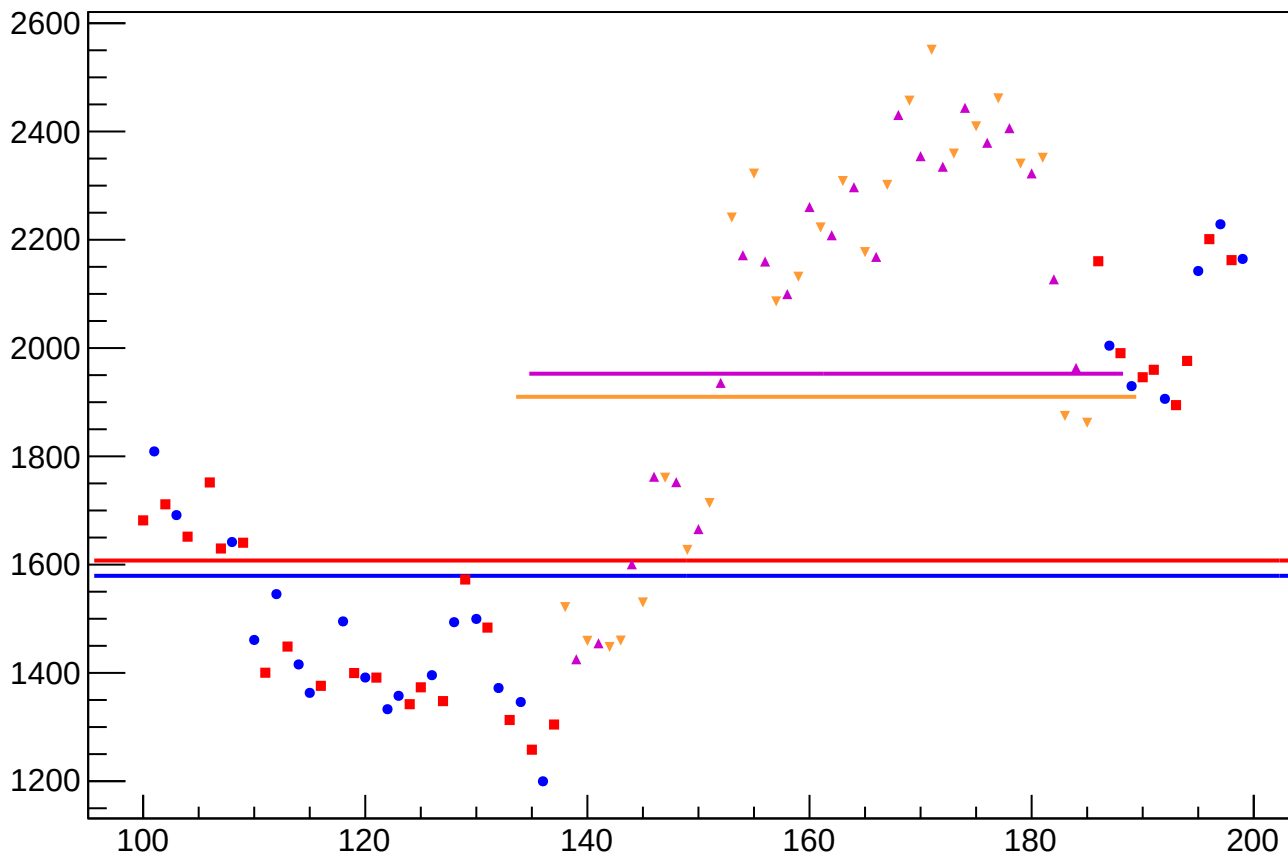
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 13.831 $\pm$ 0.335 χ^2 /NDF: 3335.9/47

All: 9.739 $\pm$ 0.236 χ^2 /NDF: 5466.8/97

- sign 5.667 $\pm$ 0.334 χ^2 /NDF: 1832.5/49

diff_bpm0l01Y_rms vs Slug



Right In: 1579.304 $\pm$ 0.350 χ^2 /NDF: 764684.7/22

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1607.574 $\pm$ 0.331 χ^2 /NDF: 766106.5/26

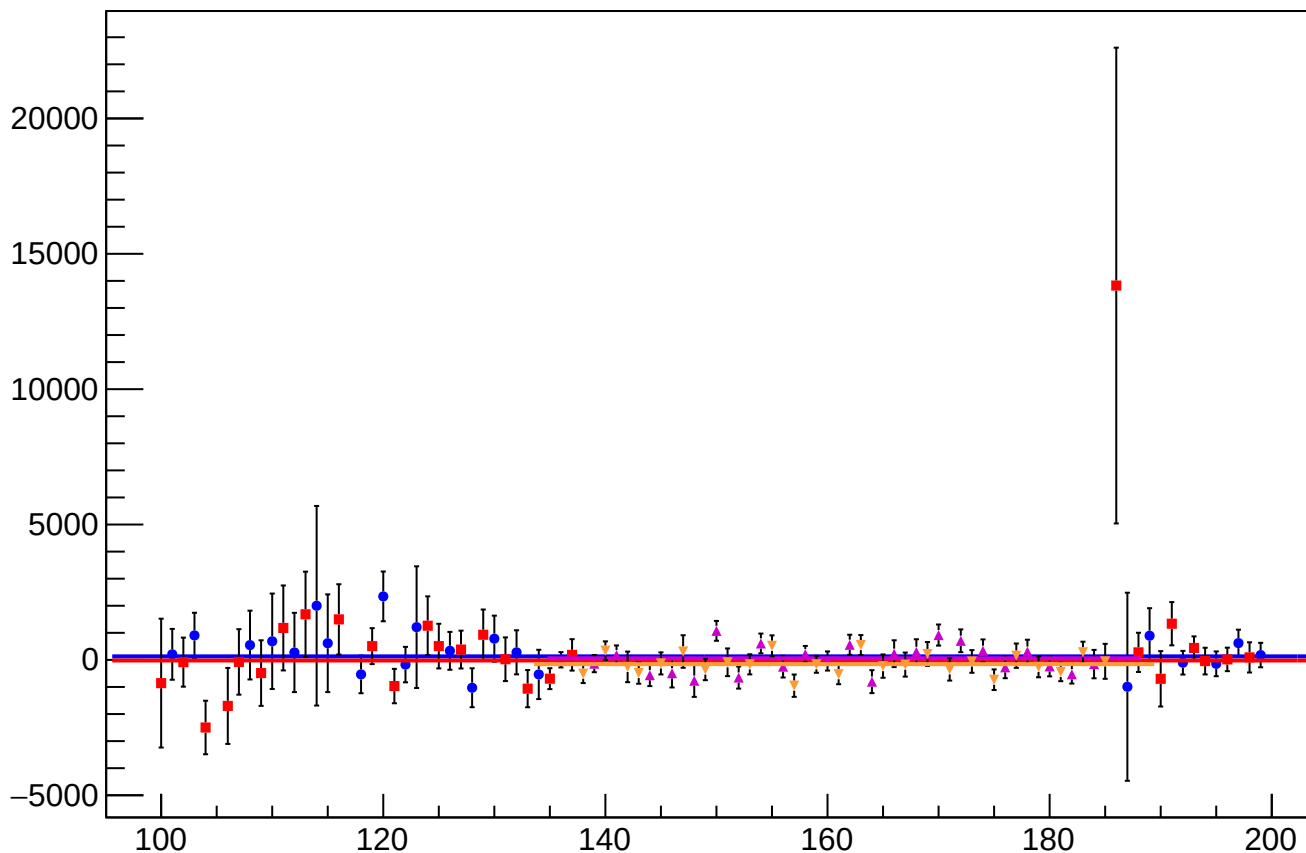
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1758.984 $\pm$ 0.237 χ^2 /NDF: 2648888.0/47

All: 1768.365 $\pm$ 0.167 χ^2 /NDF: 5017717.6/97

- sign 1777.702 $\pm$ 0.236 χ^2 /NDF: 2365691.9/49

asym_sam1_mean vs Slug



Right In: 130.396+/-140.469 χ^2/NDF : 14.9/22

Left Out: -157.242+/-80.796 χ^2/NDF : 22.0/24

Right Out: -21.496+/-138.896 χ^2/NDF : 29.8/26

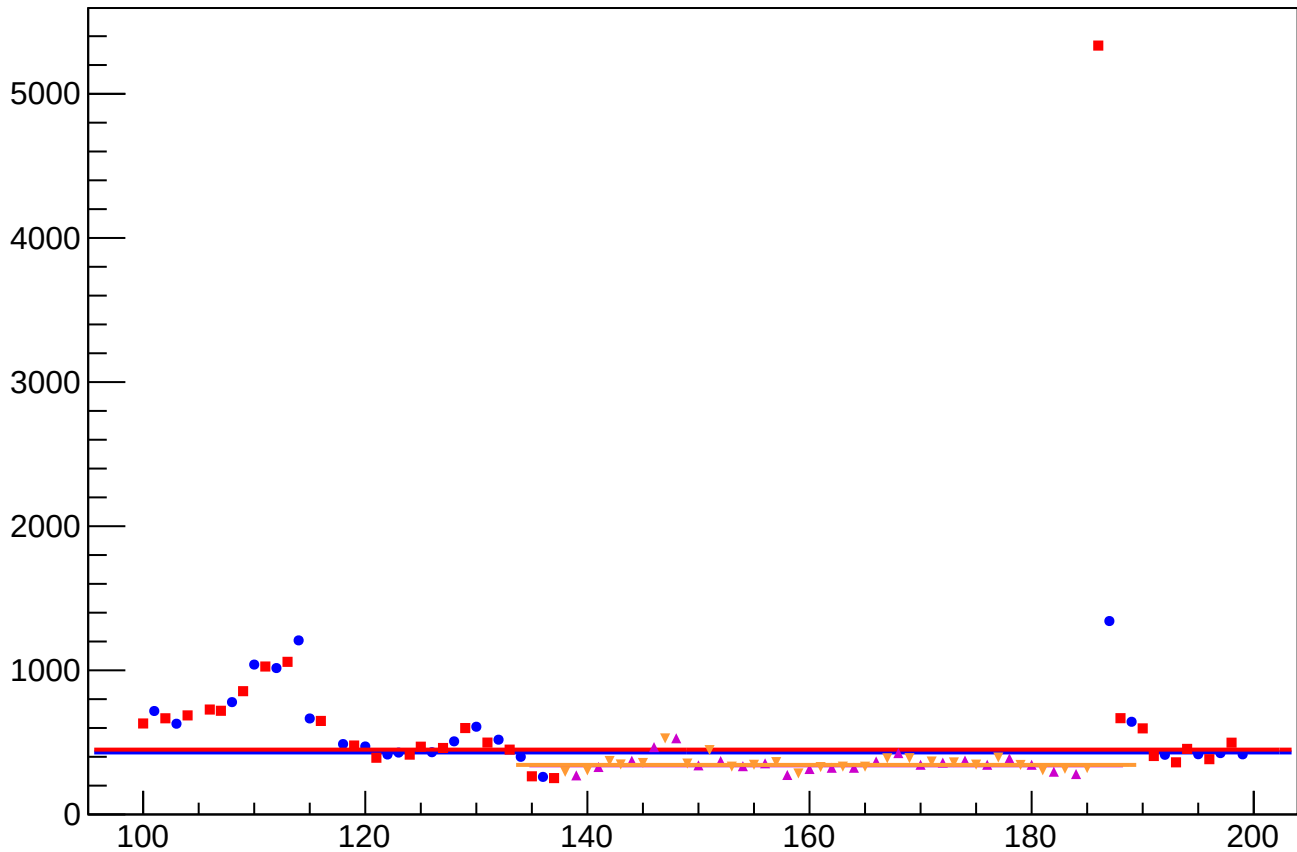
Left In: 58.934+/-82.584 χ^2/NDF : 38.5/22

+ sign -85.736+/-70.037 χ^2/NDF : 40.1/47

All: -24.736+/-49.855 χ^2/NDF : 110.2/97

- sign 37.927+/-70.985 χ^2/NDF : 68.6/49

asym_sam1_rms vs Slug



Right In: 430.205 $\pm$ 0.099 χ^2 /NDF: 2238638.3/22

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 449.868 $\pm$ 0.098 χ^2 /NDF: 3027181.2/26

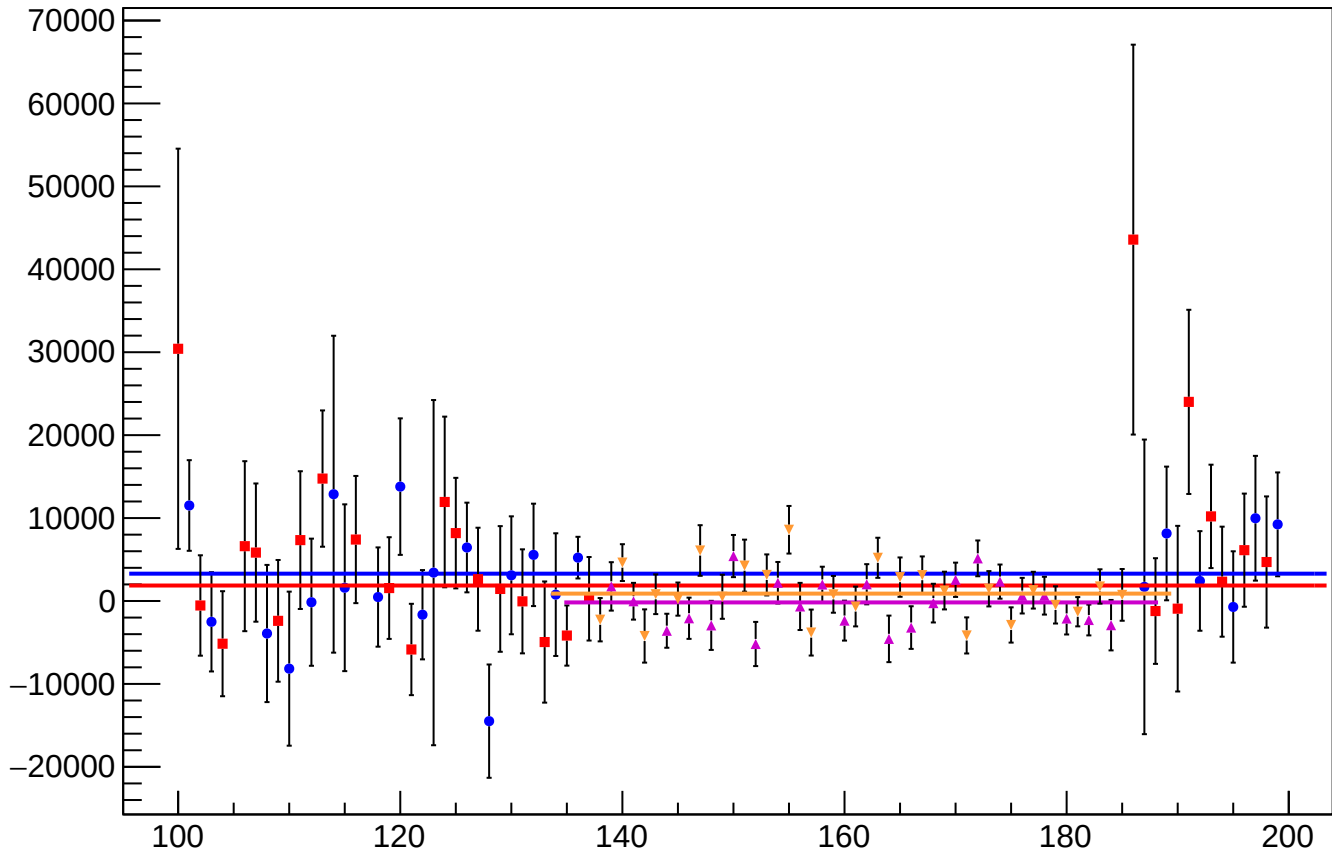
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 365.285 $\pm$ 0.050 χ^2 /NDF: 3346603.4/47

All: 367.287 $\pm$ 0.035 χ^2 /NDF: 8011627.9/97

- sign 369.343 $\pm$ 0.050 χ^2 /NDF: 4661711.6/49

asym_sam2_mean vs Slug



Right In: 3295.215 ± 1305.481 χ^2/NDF : 19.1/22

Left Out: 890.395 ± 473.262 χ^2/NDF : 38.0/24

Right Out: 1865.826 ± 1327.397 χ^2/NDF : 24.4/26

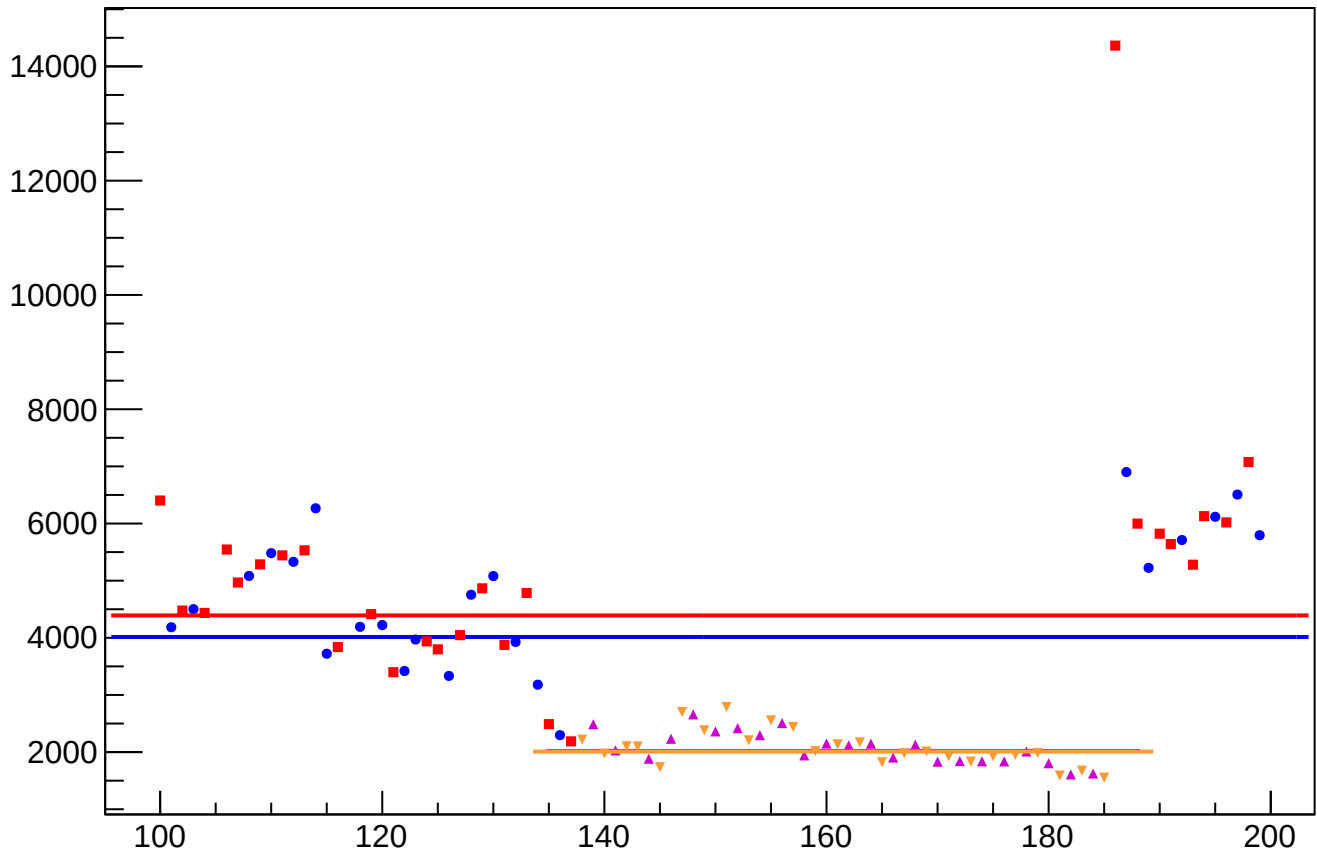
Left In: -172.391 ± 488.067 χ^2/NDF : 33.2/22

+ sign 1169.727 ± 444.928 χ^2/NDF : 60.0/47

All: 636.050 ± 319.161 χ^2/NDF : 122.7/97

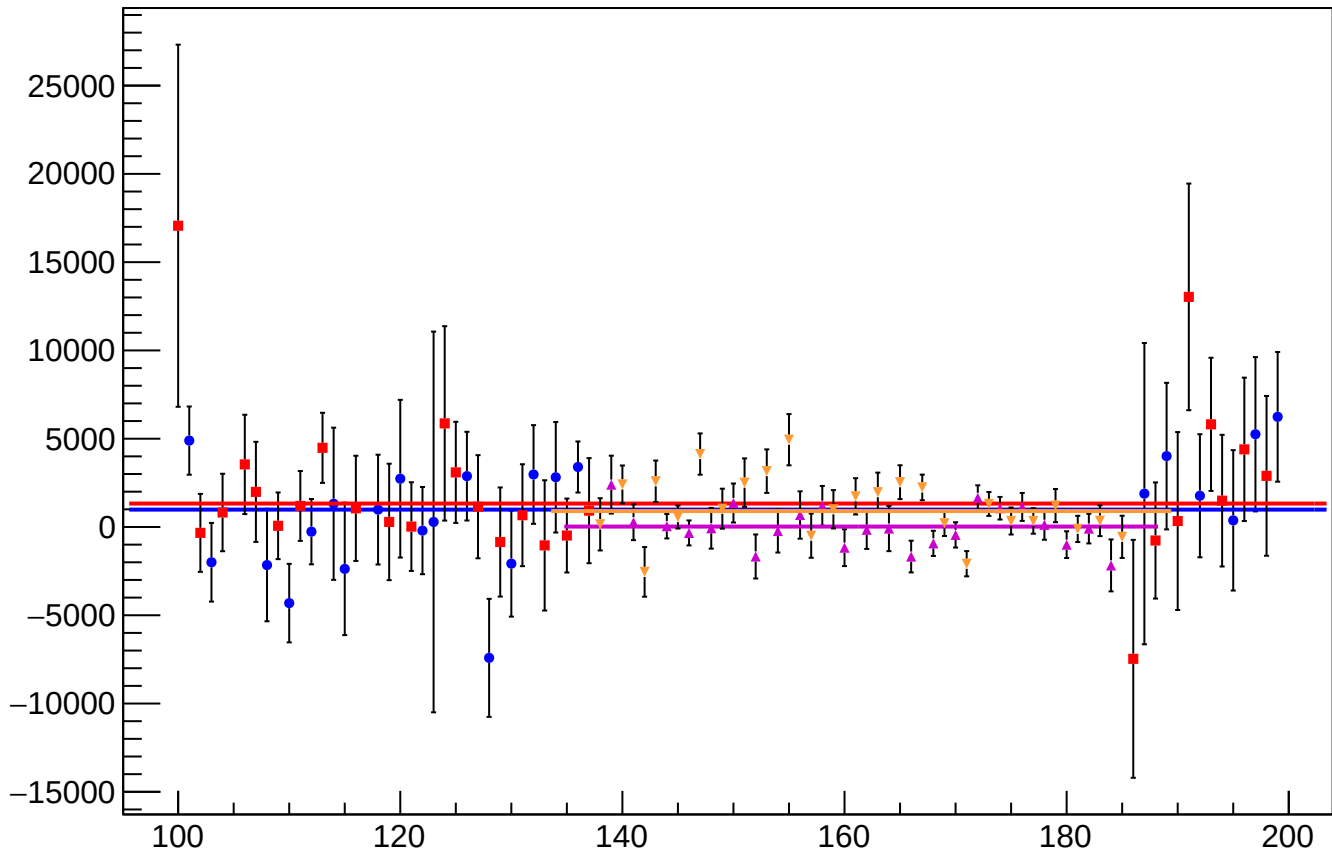
- sign 70.347 ± 458.084 χ^2/NDF : 59.7/49

asym_sam2_rms vs Slug



Right In: 4014.284+/-0.923	χ^2/NDF : 2110765.8/22	+ sign 2242.482+/-0.315	χ^2/NDF : 6988892.9/47
Left Out: 2009.631+/-0.335	χ^2/NDF : 709977.6/24	All: 2271.776+/-0.226	χ^2/NDF : 15490207.9/9
Right Out: 4392.133+/-0.939	χ^2/NDF : 2285232.5/26	- sign 2302.827+/-0.324	χ^2/NDF : 8483455.5/49
Left In: 2020.365+/-0.345	χ^2/NDF : 573483.0/22		

asym_sam3_mean vs Slug



Right In: 984.098 ± 584.768 χ^2/NDF : 29.4/22

Left Out: 902.091 ± 185.850 χ^2/NDF : 63.5/24

Right Out: 1326.137 ± 561.856 χ^2/NDF : 17.4/26

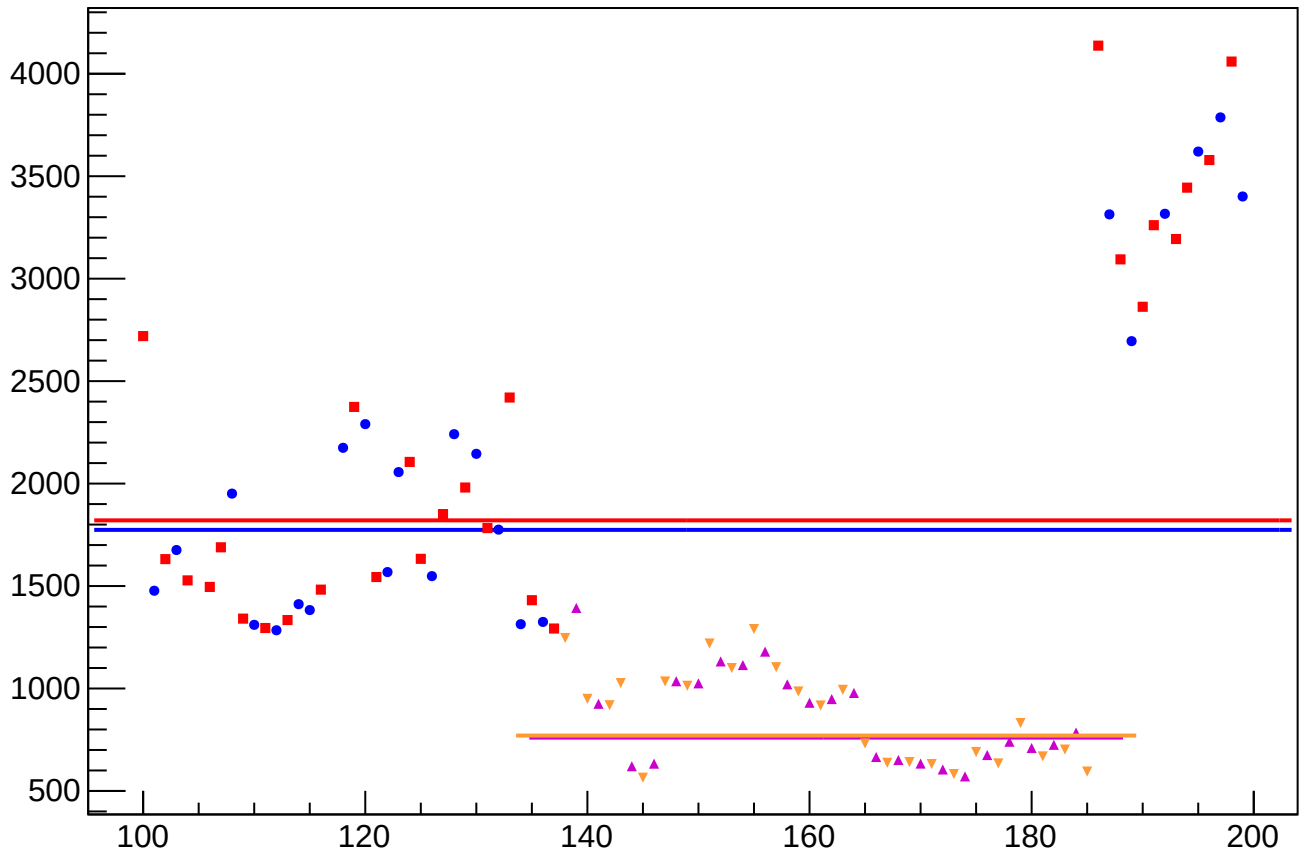
Left In: 23.529 ± 188.137 χ^2/NDF : 28.2/22

+ sign 909.615 ± 177.120 χ^2/NDF : 92.9/47

All: 534.955 ± 125.693 χ^2/NDF : 152.3/97

- sign 154.857 ± 178.401 χ^2/NDF : 50.4/49

asym_sam3_rms vs Slug



Right In: 1774.078 $\pm$ 0.413 χ^2 /NDF: 2520952.9/22

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 1820.542 $\pm$ 0.397 χ^2 /NDF: 3029739.0/26

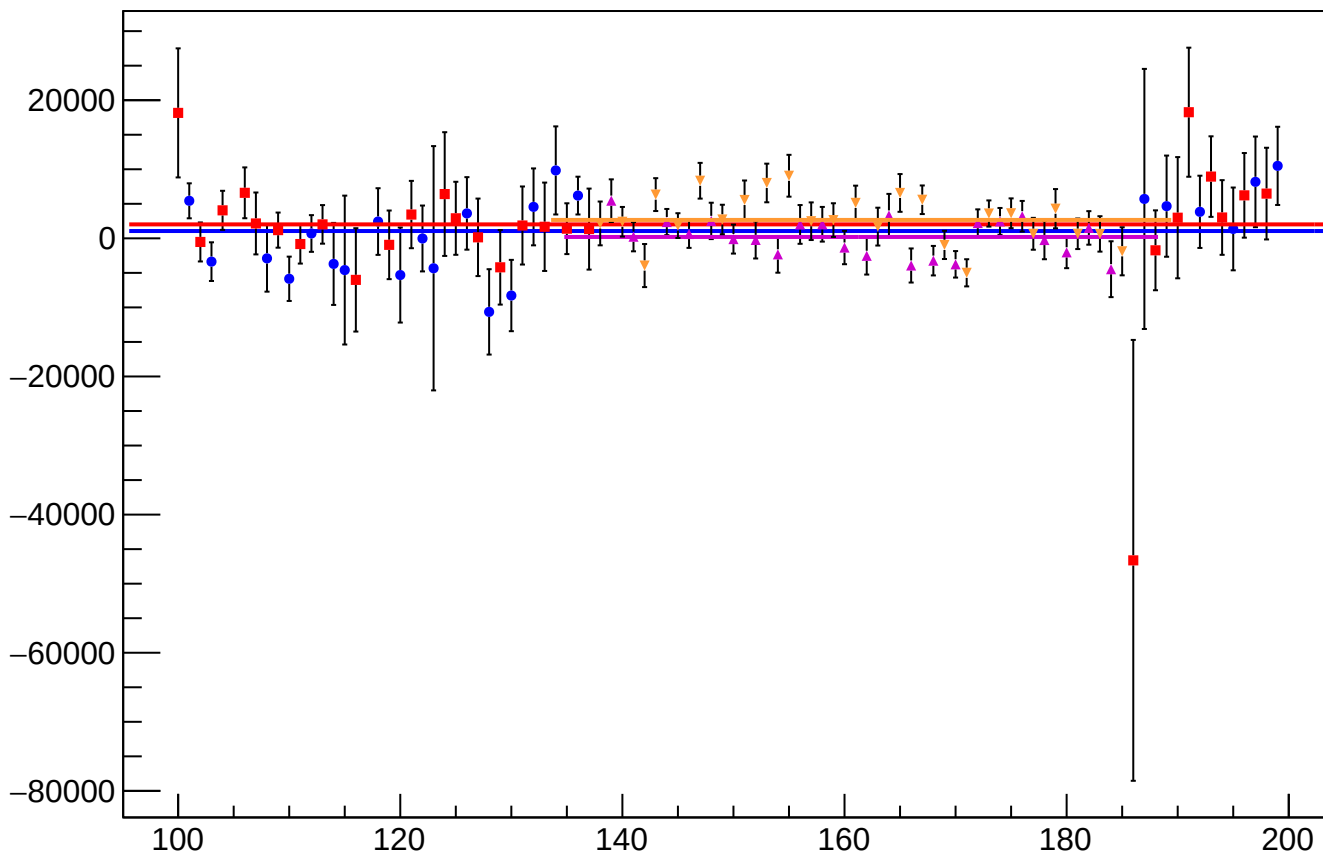
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 862.407 $\pm$ 0.125 χ^2 /NDF: 10160775.7/47

All: 864.806 $\pm$ 0.089 χ^2 /NDF: 21581159.0/97

- sign 867.239 $\pm$ 0.126 χ^2 /NDF: 11419644.2/49

asym_sam4_mean vs Slug



Right In: 1058.560 ± 934.865 χ^2/NDF : 30.3/22

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 2020.595 ± 865.465 χ^2/NDF : 18.5/26

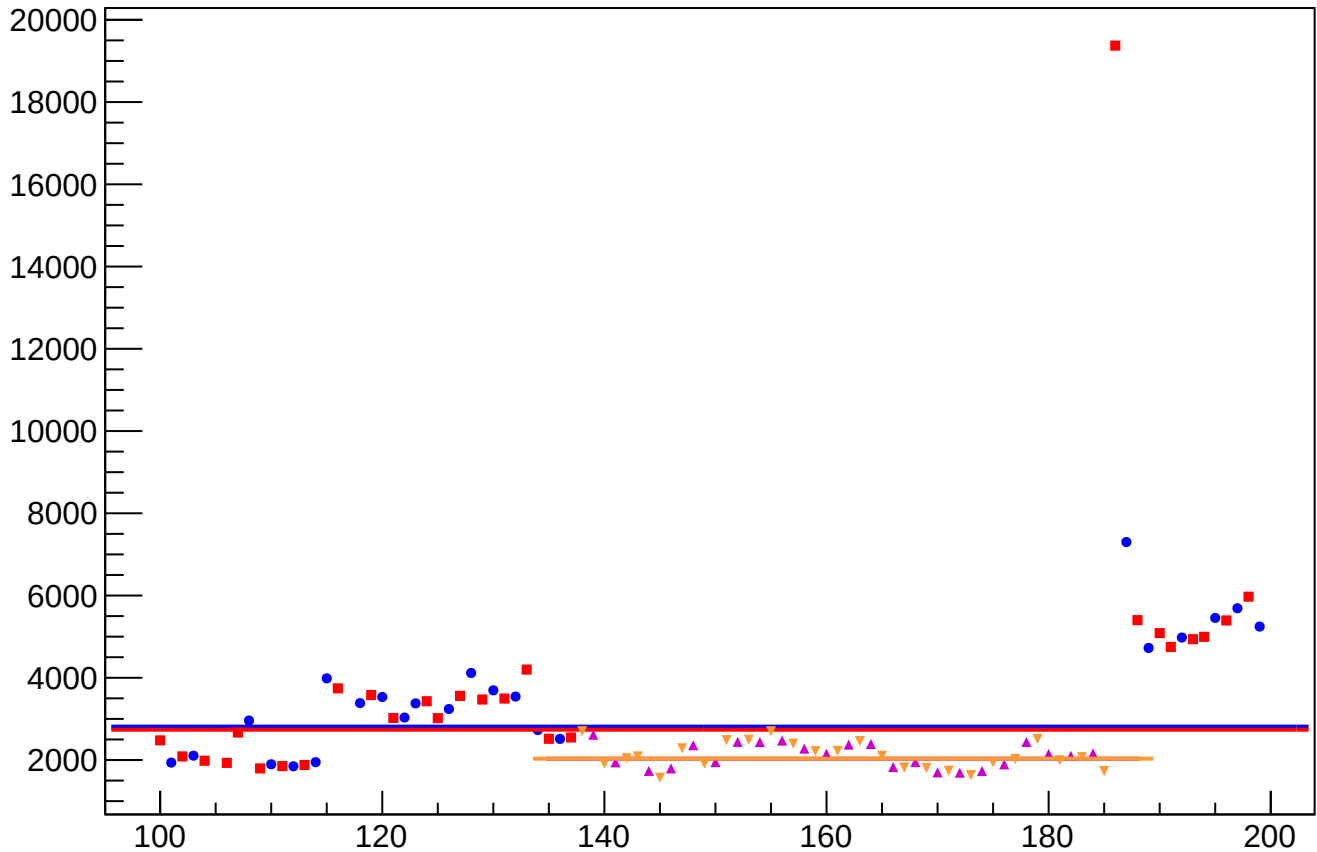
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2330.571 ± 426.845 χ^2/NDF : 81.8/47

All: 1489.263 ± 302.152 χ^2/NDF : 137.2/97

- sign 644.298 ± 427.772 χ^2/NDF : 47.6/49

asym_sam4_rms vs Slug



Right In: 2811.816 $\pm$ 0.661 χ^2/NDF : 2872864.1/22

Left Out: 2033.337 $\pm$ 0.339 χ^2/NDF : 824062.2/24

+ sign 2195.626 $\pm$ 0.302 χ^2/NDF : 4794654.4/47

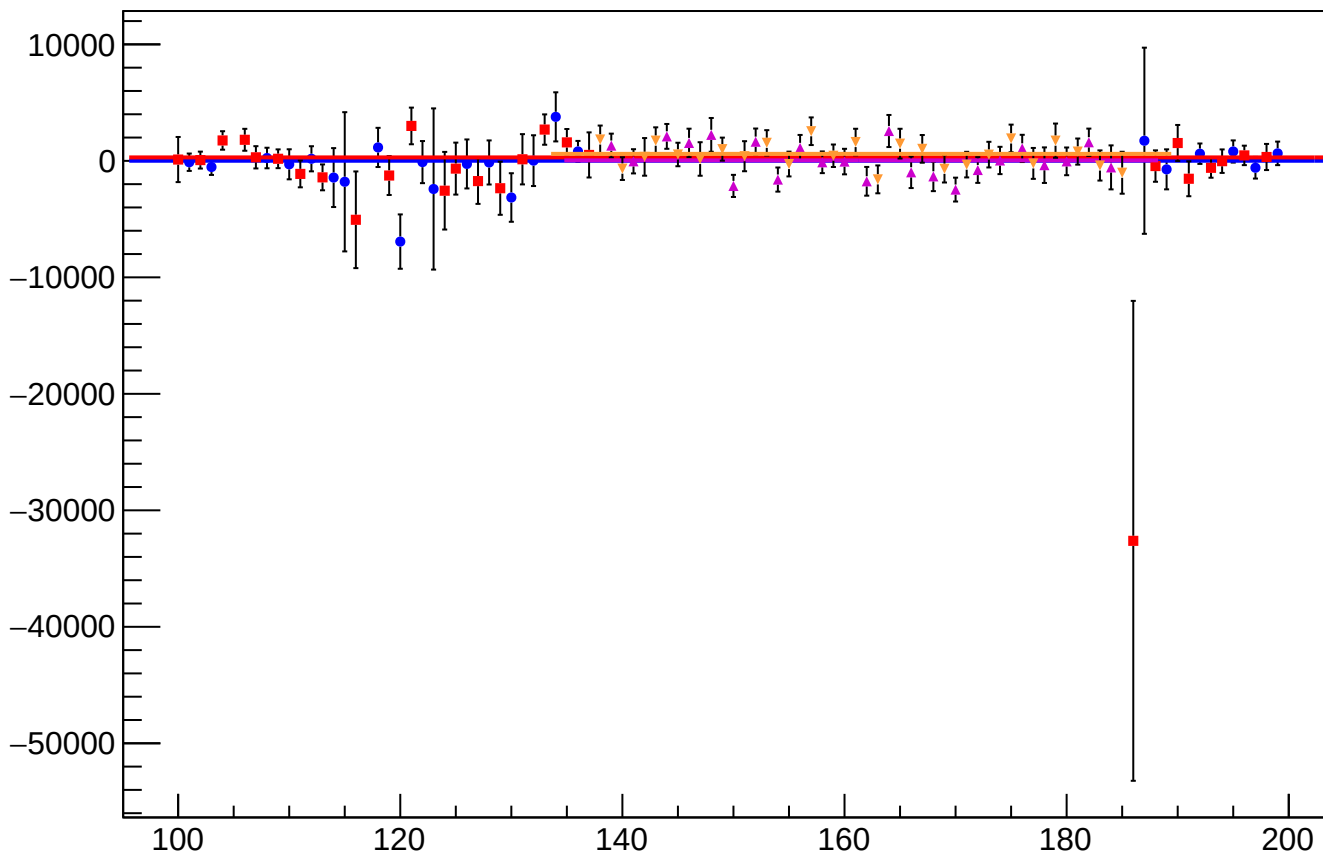
Right Out: 2737.364 $\pm$ 0.612 χ^2/NDF : 4041302.6/26

All: 2200.211 $\pm$ 0.214 χ^2/NDF : 10491258.3/99

Left In: 2032.655 $\pm$ 0.348 χ^2/NDF : 652763.7/22

- sign 2204.816 $\pm$ 0.302 χ^2/NDF : 5696141.4/49

asym_sam5_mean vs Slug



Right In: 9.894 ± 257.716 χ^2/NDF : 19.2/22

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 296.004 ± 232.635 χ^2/NDF : 29.7/26

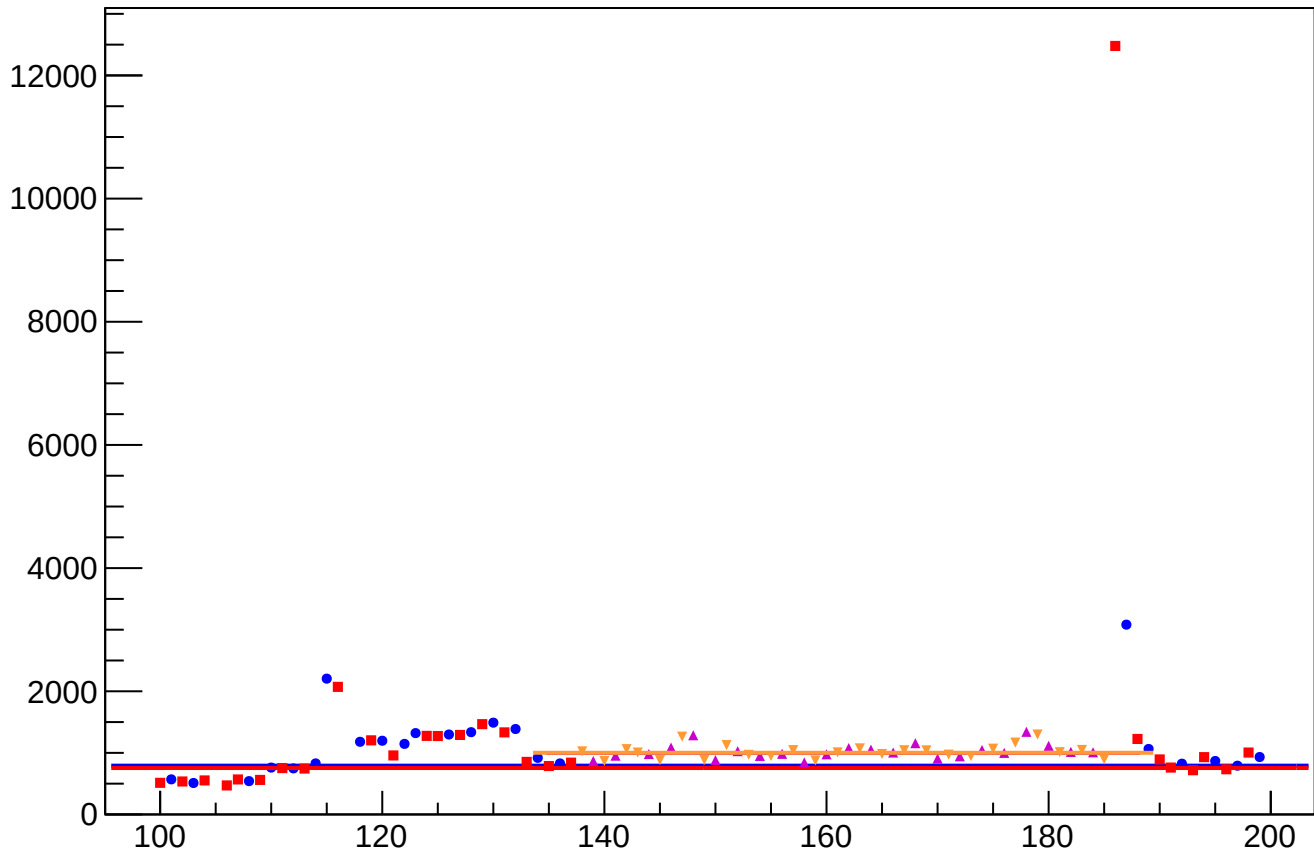
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 332.138 ± 173.634 χ^2/NDF : 40.5/47

All: 249.709 ± 120.480 χ^2/NDF : 107.6/97

- sign 173.172 ± 167.312 χ^2/NDF : 66.6/49

asym_sam5_rms vs Slug



Right In: 792.469 $\pm$ 0.182 χ^2 /NDF: 1986592.3/22

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 753.769 $\pm$ 0.164 χ^2 /NDF: 2832100.5/26

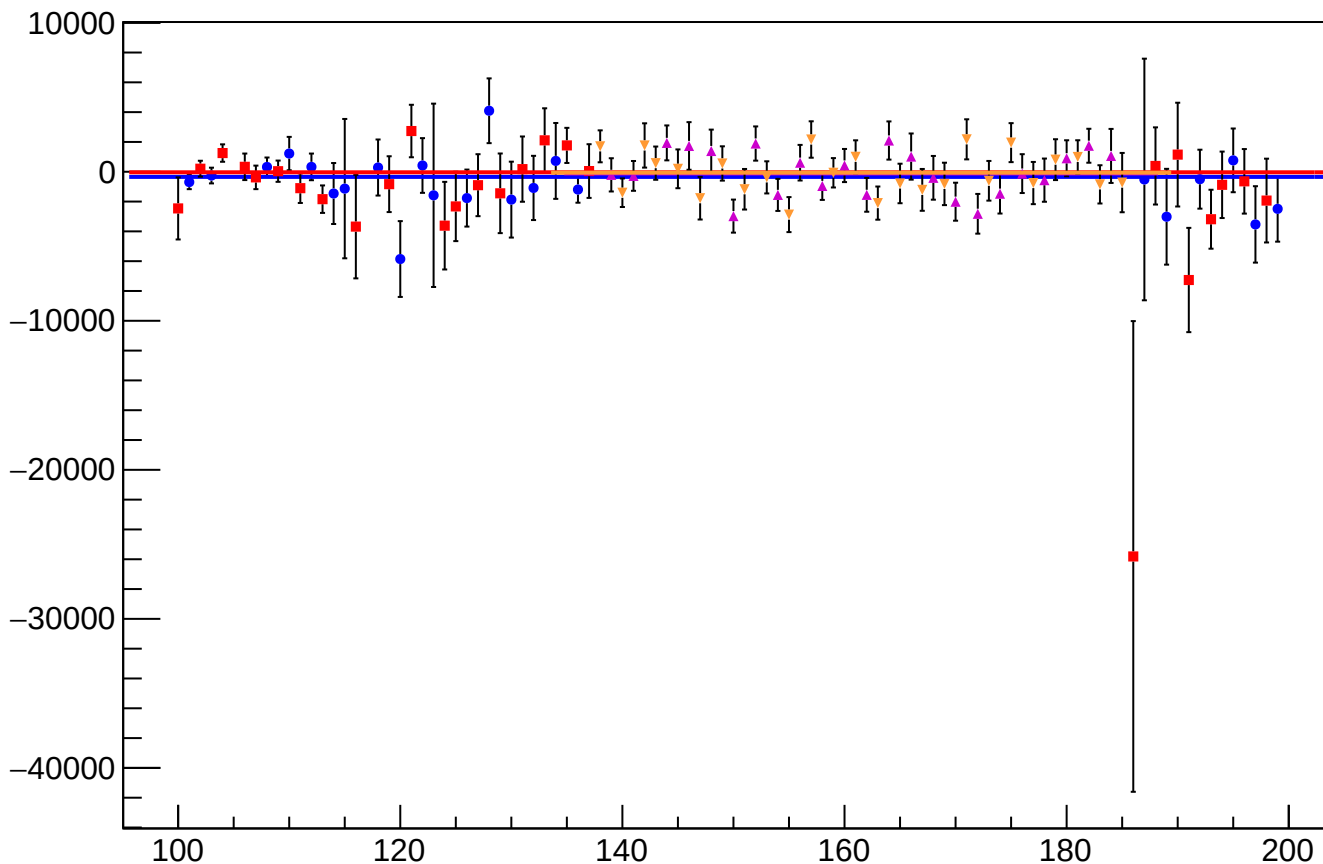
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 906.600 $\pm$ 0.123 χ^2 /NDF: 3075185.8/47

All: 888.500 $\pm$ 0.085 χ^2 /NDF: 7418425.9/97

- sign 871.694 $\pm$ 0.118 χ^2 /NDF: 4301329.4/49

asym_sam6_mean vs Slug



Right In: -345.097 ± 243.554 χ^2/NDF : 19.3/22

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -36.139 ± 238.296 χ^2/NDF : 32.1/26

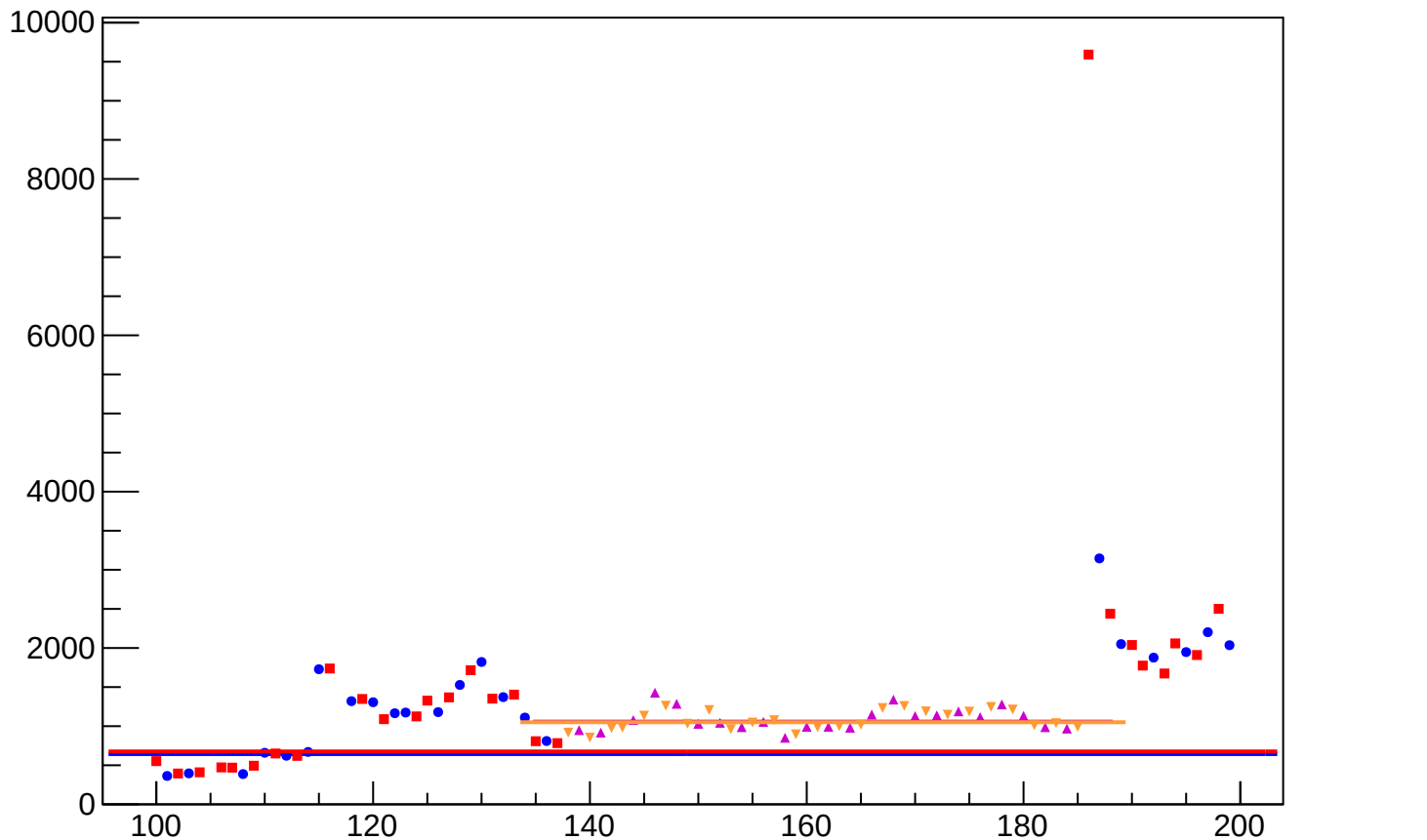
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -204.179 ± 173.252 χ^2/NDF : 51.0/47

All: -138.279 ± 122.854 χ^2/NDF : 118.2/97

- sign -71.628 ± 174.237 χ^2/NDF : 67.0/49

asym_sam6_rms vs Slug



Right In: 643.012 $\pm$ 0.172 χ^2 /NDF: 7061605.3/22

Left Out: 1050.649 $\pm$ 0.174 χ^2 /NDF: 483144.2/24

Right Out: 676.930 $\pm$ 0.169 χ^2 /NDF: 7929892.9/26

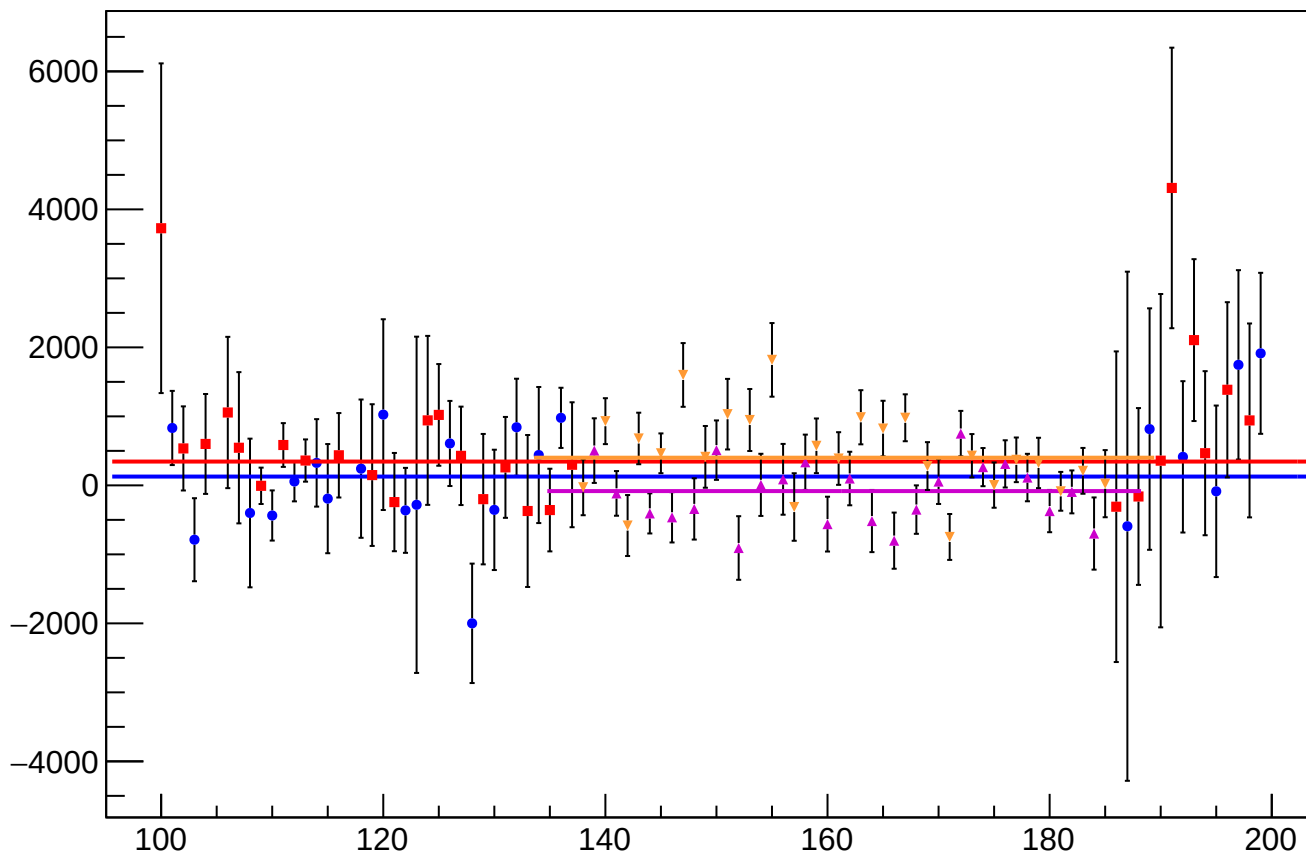
Left In: 1058.097 $\pm$ 0.181 χ^2 /NDF: 528574.7/22

+ sign 844.378 $\pm$ 0.123 χ^2 /NDF: 10312309.2/47

All: 849.319 $\pm$ 0.087 χ^2 /NDF: 21155453.5/97

- sign 854.317 $\pm$ 0.123 χ^2 /NDF: 10839871.9/49

asym_sam7_mean vs Slug



Right In: 127.563 ± 138.859 $\chi^2/\text{NDF}: 24.0/22$

Left Out: 400.988 ± 74.546 $\chi^2/\text{NDF}: 52.1/24$

Right Out: 345.015 ± 125.866 $\chi^2/\text{NDF}: 16.2/26$

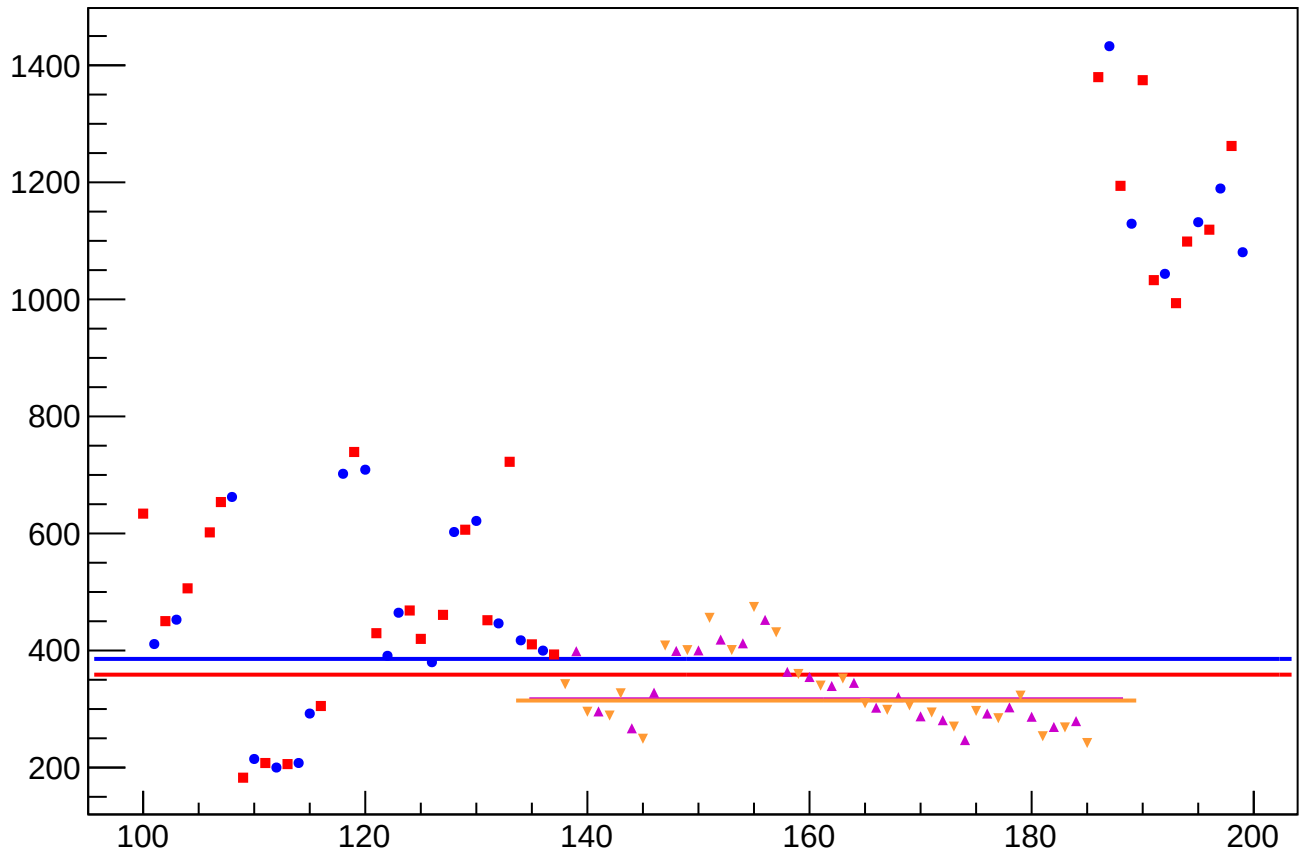
Left In: -82.890 ± 76.904 $\chi^2/\text{NDF}: 29.0/22$

+ sign 339.815 ± 65.680 $\chi^2/\text{NDF}: 79.1/47$

All: 186.492 ± 46.423 $\chi^2/\text{NDF}: 143.6/97$

- sign 33.431 ± 65.624 $\chi^2/\text{NDF}: 53.6/49$

asym_sam7_rms vs Slug



Right In: 385.652 $\pm$ 0.098 χ^2 /NDF: 5580962.2/22

Left Out: 314.538 $\pm$ 0.053 χ^2 /NDF: 1112445.6/24

Right Out: 358.744 $\pm$ 0.089 χ^2 /NDF: 7768247.6/26

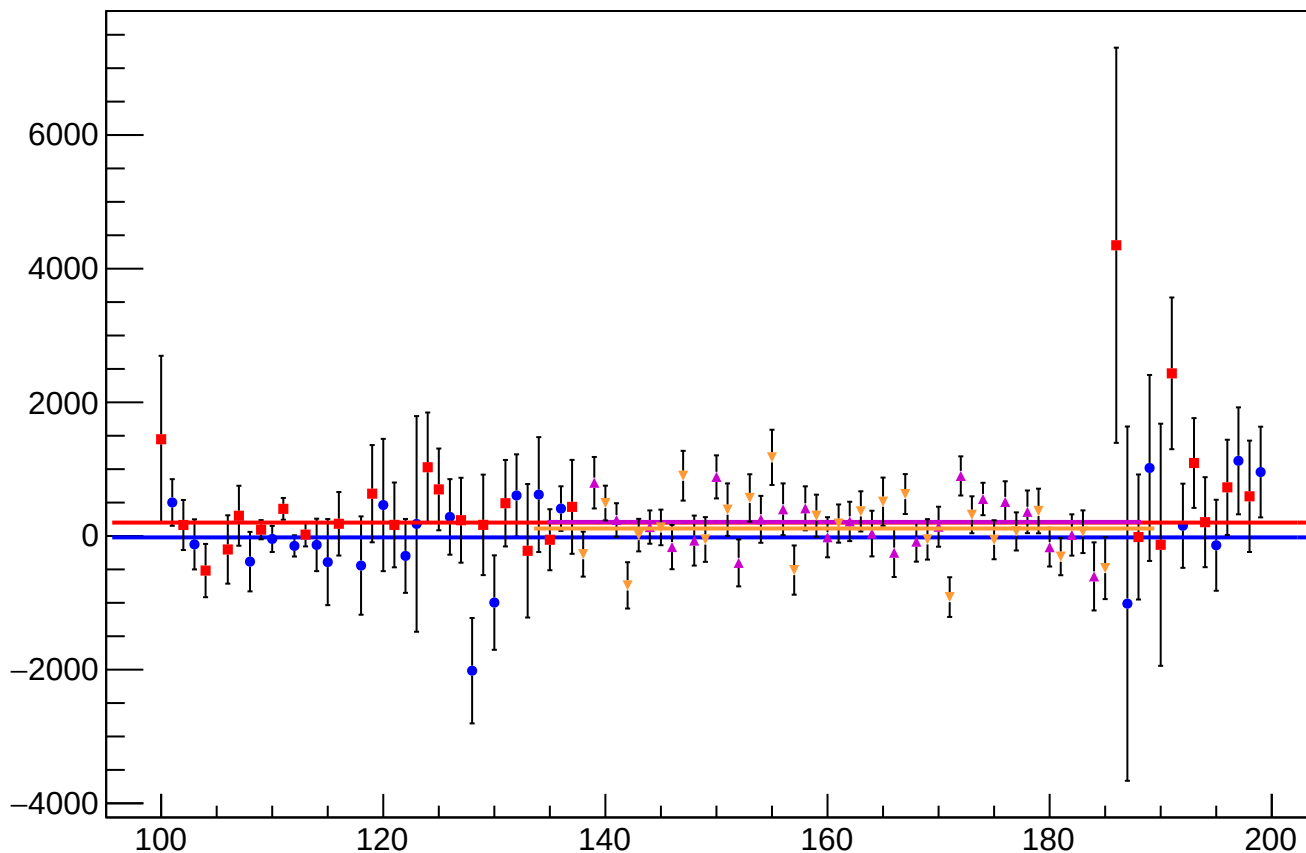
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF: 920874.0/22

+ sign 330.448 $\pm$ 0.046 χ^2 /NDF: 7100601.5/47

All: 329.268 $\pm$ 0.033 χ^2 /NDF: 15953923.0/97

- sign 328.090 $\pm$ 0.046 χ^2 /NDF: 8852031.5/49

asym_sam8_mean vs Slug



Right In: -20.891 ± 87.489 χ^2/NDF : 21.7/22

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 200.646 ± 74.748 χ^2/NDF : 19.4/26

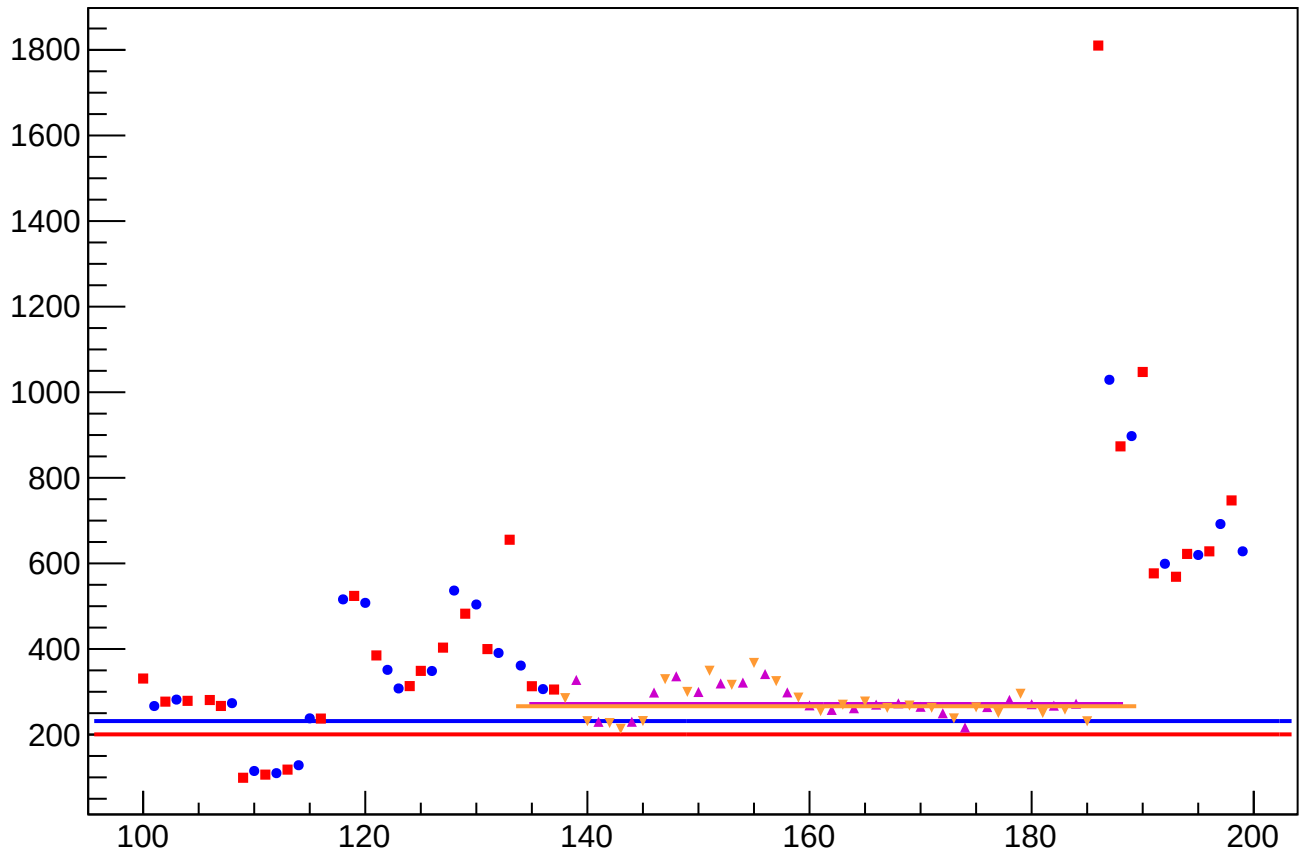
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 67.121 ± 50.933 χ^2/NDF : 72.4/47

All: 138.969 ± 35.411 χ^2/NDF : 124.8/97

- sign 206.193 ± 49.267 χ^2/NDF : 48.6/49

asym_sam8_rms vs Slug



Right In: 231.562+/-0.062 χ^2/NDF : 6936359.6/22

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 200.463+/-0.053 χ^2/NDF : 9619031.3/26

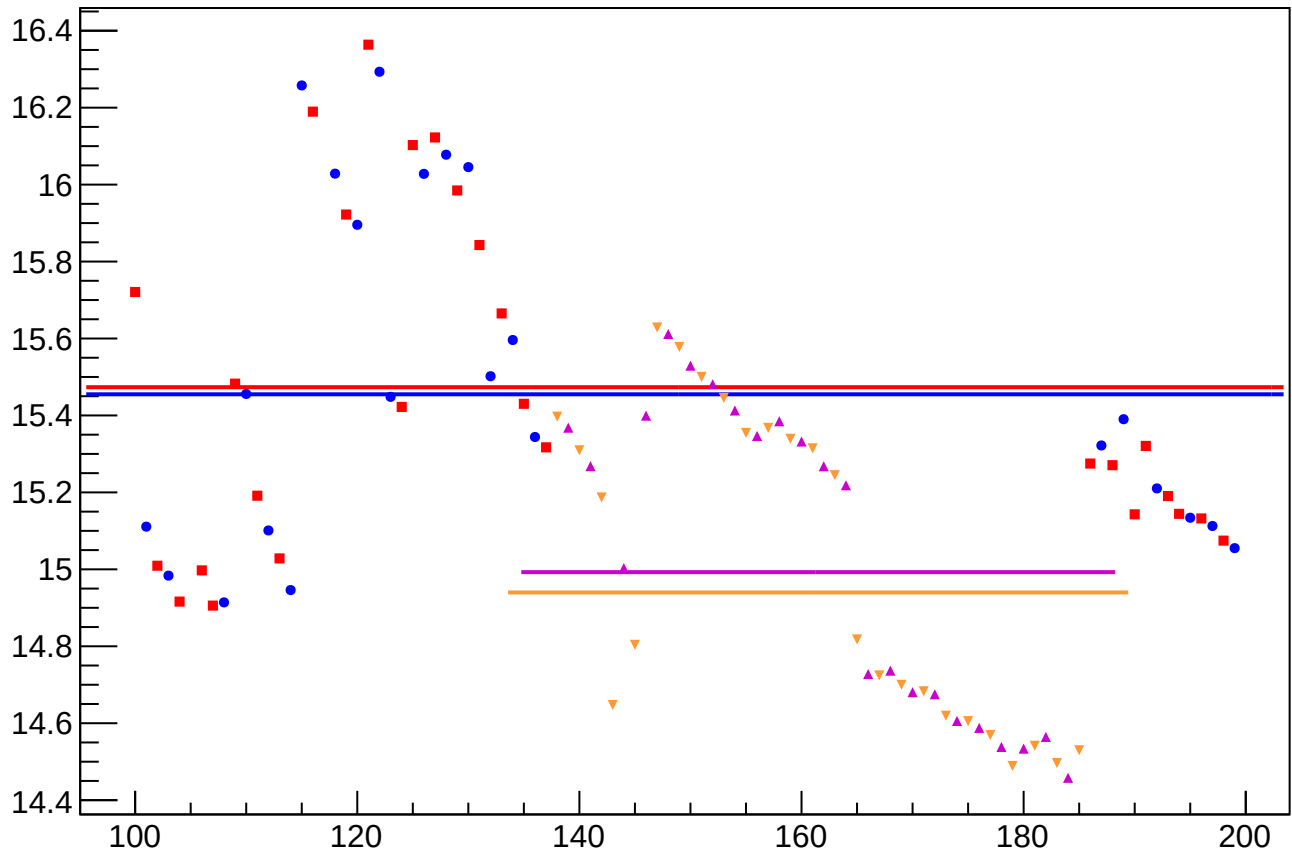
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 254.465+/-0.036 χ^2/NDF : 7793318.8/47

All: 247.298+/-0.025 χ^2/NDF : 19030074.3/97

- sign 240.592+/-0.035 χ^2/NDF : 11160094.0/49

yield_sam1_mean vs Slug



Right In: 15.455 $\pm$ 0.000 χ^2 /NDF: 8781140311.7/22

Left Out: 14.940 $\pm$ 0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.473 $\pm$ 0.000 χ^2 /NDF: 8758732559.7/26

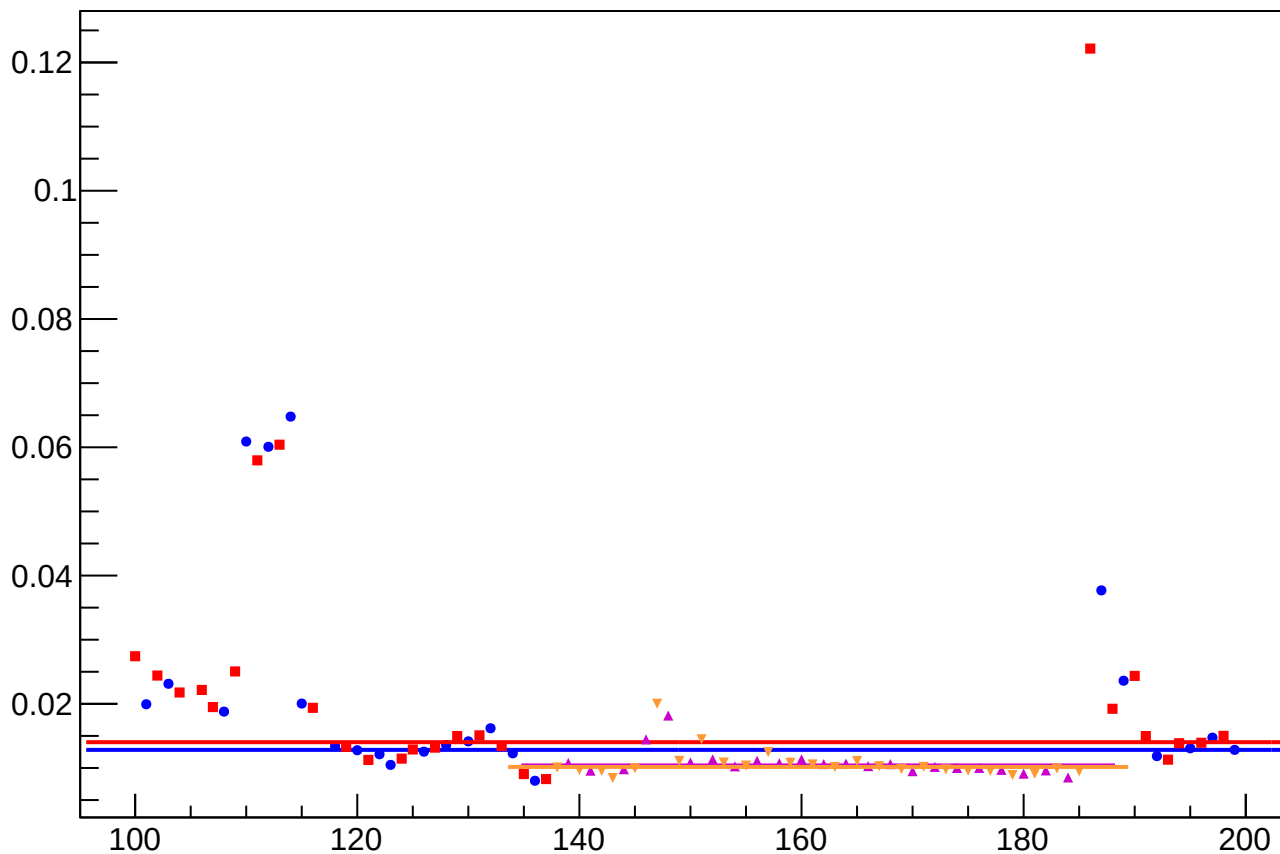
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 15.065 $\pm$ 0.000 χ^2 /NDF: 43754614923.9/47

All: 15.087 $\pm$ 0.000 χ^2 /NDF: 83492594938.8

- sign 15.112 $\pm$ 0.000 χ^2 /NDF: 39504978976.1/49

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 2483916.6/22

Left Out: 0.010+/-0.000 χ^2/NDF : 717351.4/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2980748.6/26

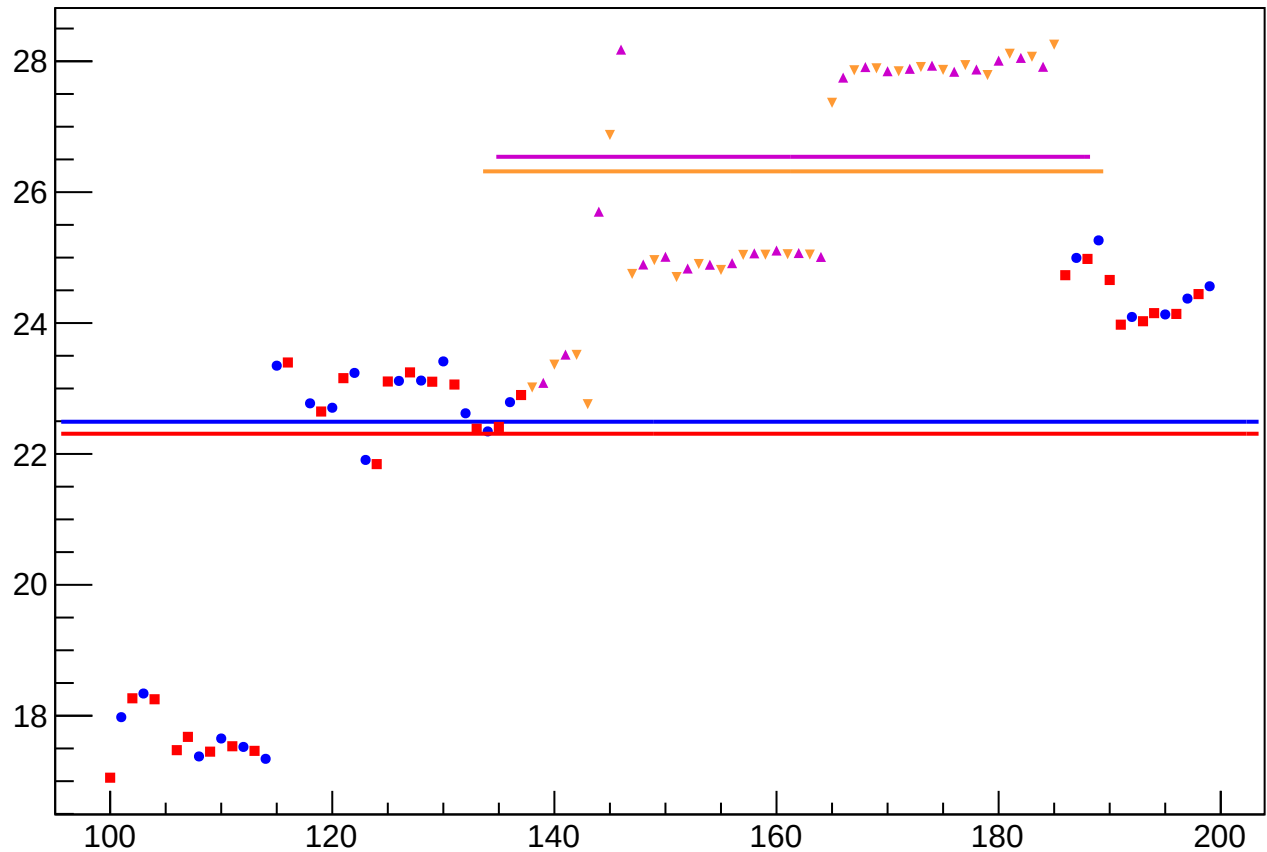
Left In: 0.010+/-0.000 χ^2/NDF : 544268.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 3775239.0/47

All: 0.011+/-0.000 χ^2/NDF : 8342448.7/97

- sign 0.011+/-0.000 χ^2/NDF : 4516972.6/49

yield_sam2_mean vs Slug



Right In: 22.492 $\pm$ 0.000 χ^2 /NDF: 1076317284.5/22

Left Out: 26.318 $\pm$ 0.000 χ^2 /NDF: 4715403741.0/24

Right Out: 22.309 $\pm$ 0.000 χ^2 /NDF: 1284438914.0/26

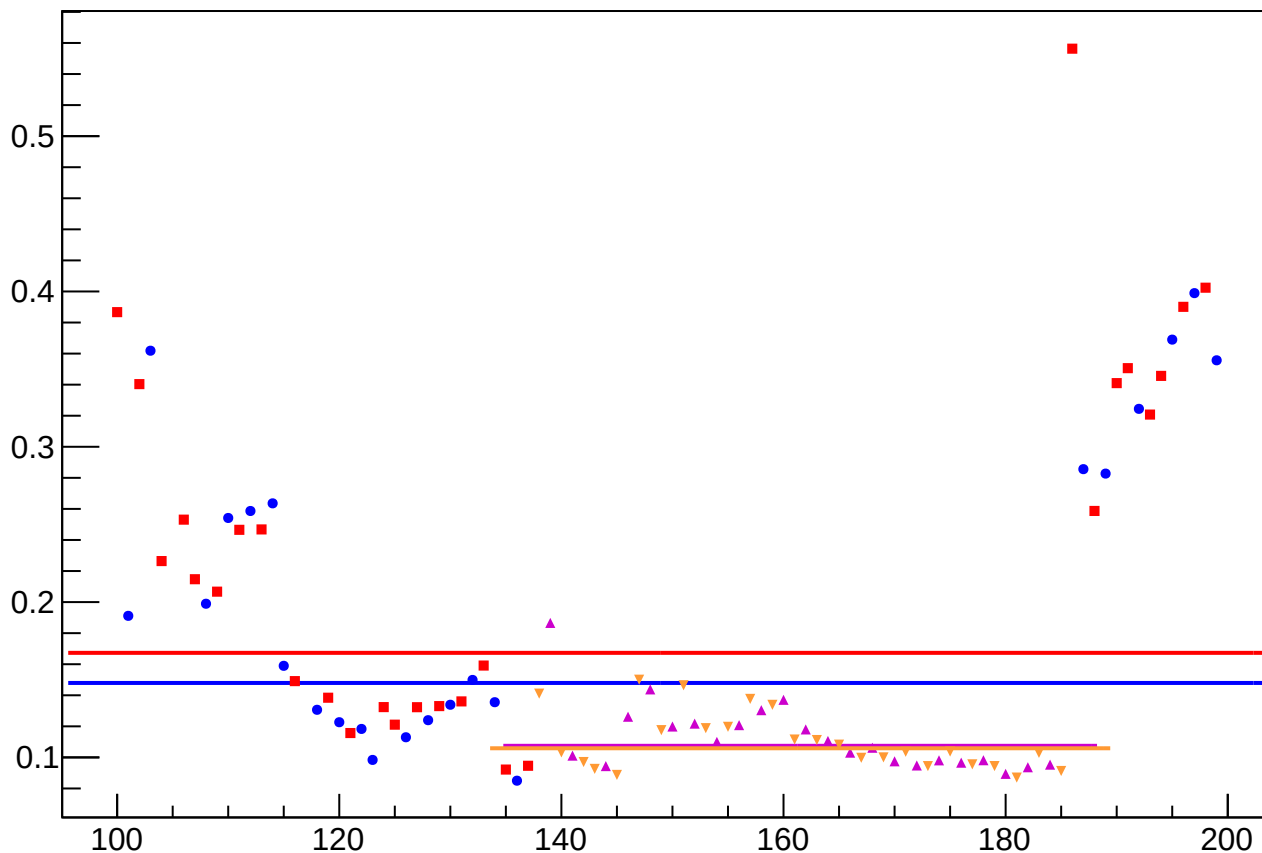
Left In: 26.540 $\pm$ 0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.569 $\pm$ 0.000 χ^2 /NDF: 9831460464.1/47

All: 25.635 $\pm$ 0.000 χ^2 /NDF: 19006767186.9

- sign 25.708 $\pm$ 0.000 χ^2 /NDF: 9159168268.6/49

yield_sam2_rms vs Slug



Right In: 0.148 ± 0.000 χ^2/NDF : 4288053.8/22

Left Out: 0.106 ± 0.000 χ^2/NDF : 732883.8/24

Right Out: 0.167 ± 0.000 χ^2/NDF : 4523696.6/26

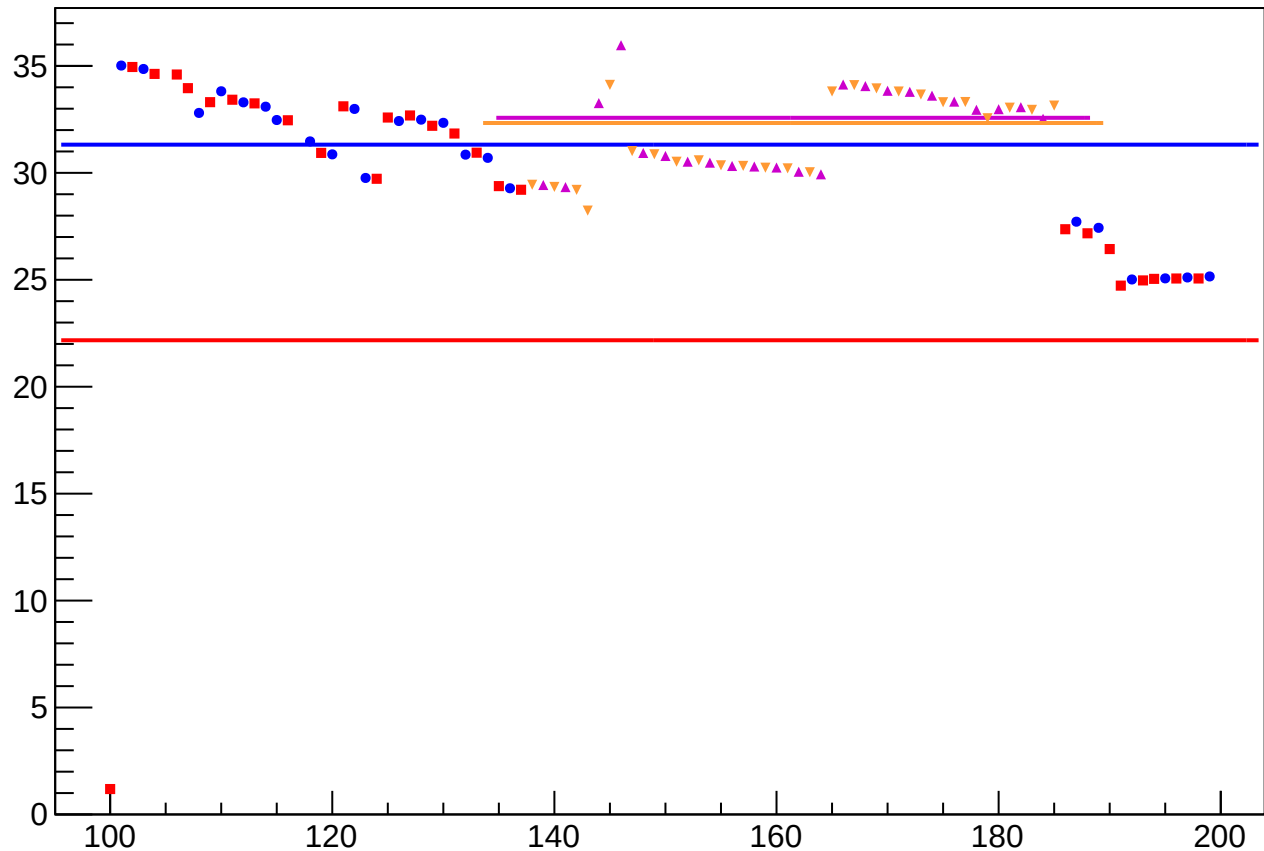
Left In: 0.107 ± 0.000 χ^2/NDF : 771132.0/22

+ sign 0.114 ± 0.000 χ^2/NDF : 5997666.7/47

All: 0.117 ± 0.000 χ^2/NDF : 13163825.7/97

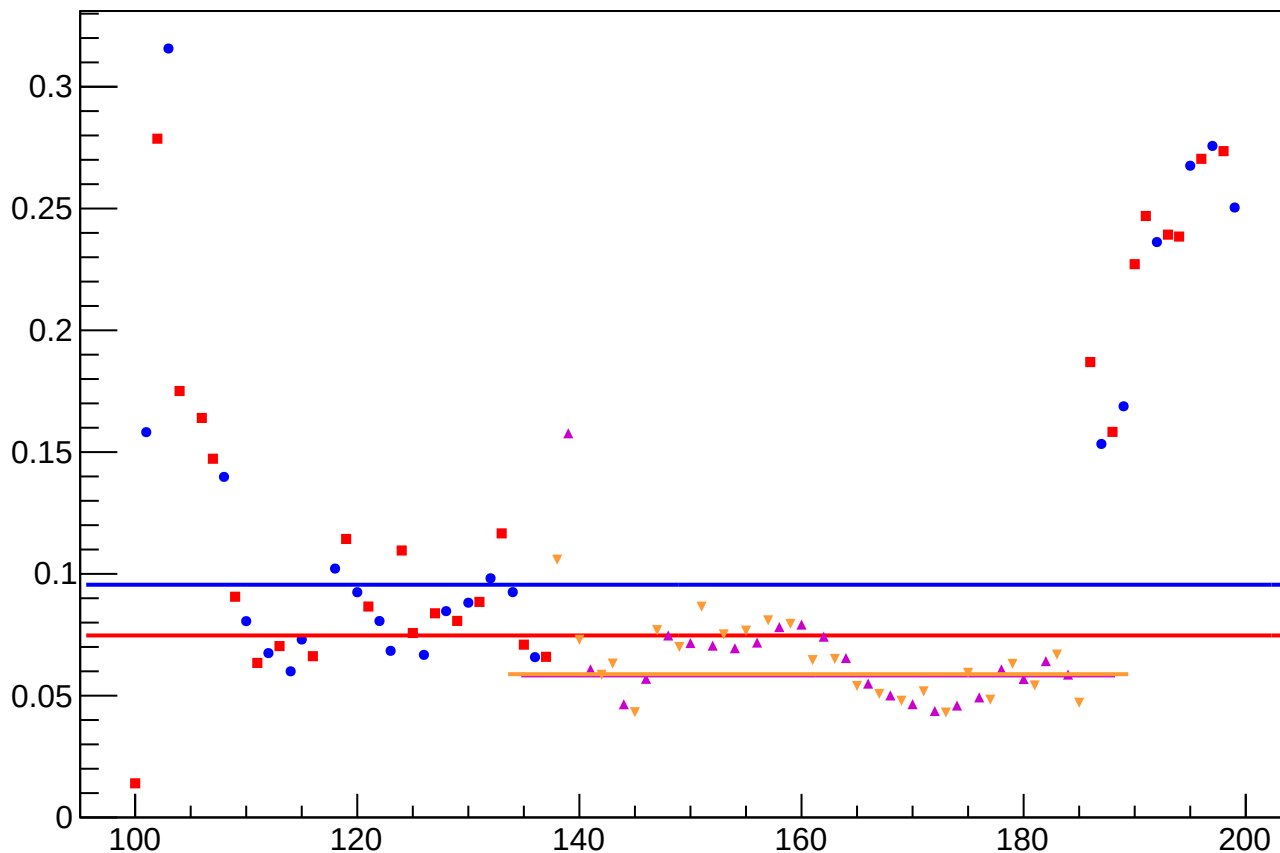
- sign 0.119 ± 0.000 χ^2/NDF : 7121859.3/49

yield_sam3_mean vs Slug



Right In: 31.319+/-0.000	χ^2/NDF : 4365985847.0/22	+ sign 32.168+/-0.000	χ^2/NDF : 17894359071.8/47
Left Out: 32.331+/-0.000	χ^2/NDF : 12850475096.2/24	All: 31.161+/-0.000	χ^2/NDF : 367183777248.
Right Out: 22.172+/-0.000	χ^2/NDF : 230754553630.2/26	- sign 30.194+/-0.000	χ^2/NDF : 339586838847.2/49
Left In: 32.574+/-0.000	χ^2/NDF : 11797772603.7/22		

yield_sam3_rms vs Slug



Right In: 0.096 $\pm$ 0.000 χ^2 /NDF: 4194983.2/22

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 8359031.2/26

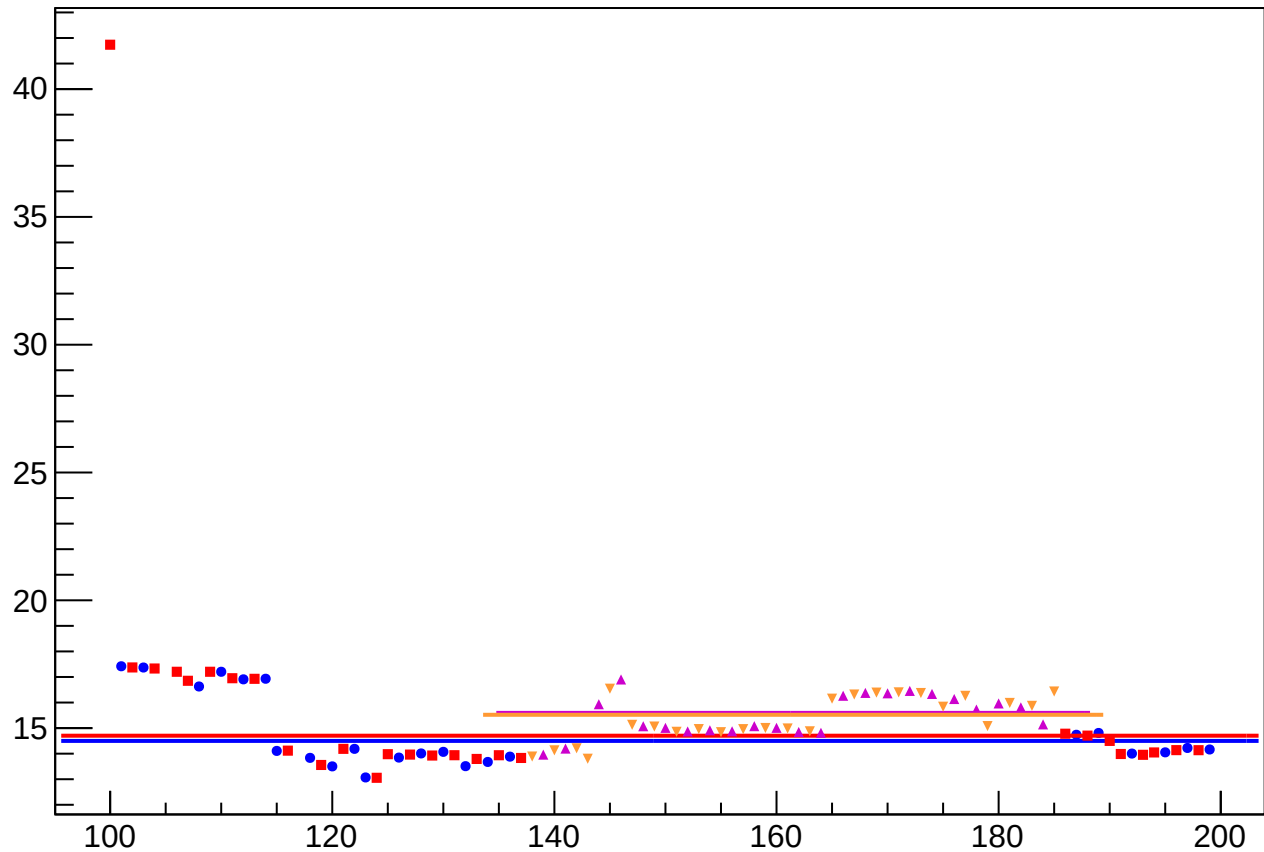
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.065 $\pm$ 0.000 χ^2 /NDF: 7380268.7/47

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 17783730.6/97

- sign 0.062 $\pm$ 0.000 χ^2 /NDF: 10367534.5/49

yield_sam4_mean vs Slug



Right In: 14.499+/-0.000 χ^2/NDF : 1498618781.1/22

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.703+/-0.000 χ^2/NDF : 1936225080.0/26

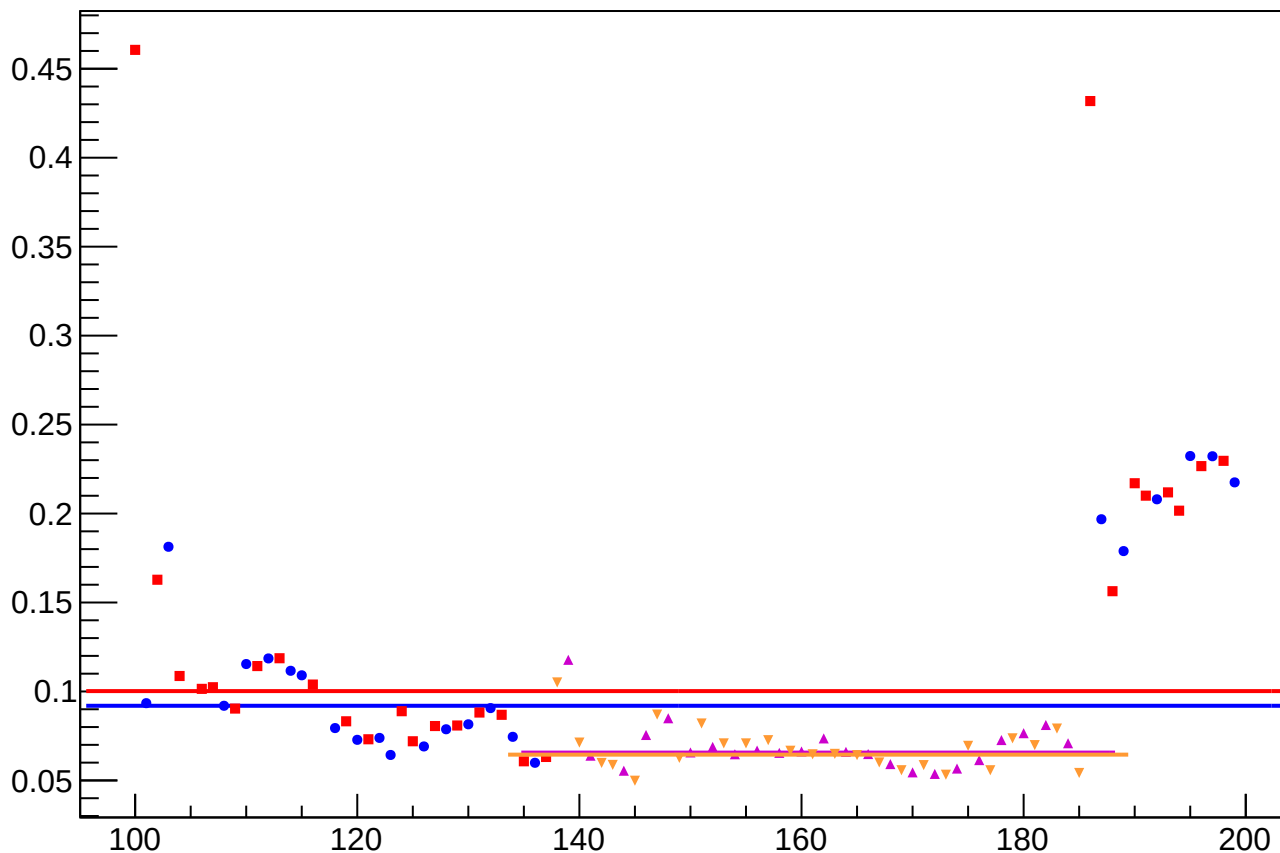
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.316+/-0.000 χ^2/NDF : 4876561408.6/47

All: 15.360+/-0.000 χ^2/NDF : 9317017982.8/9

- sign 15.407+/-0.000 χ^2/NDF : 4421490159.4/49

yield_sam4_rms vs Slug



Right In: 0.092 $\pm$ 0.000 χ^2 /NDF: 3537783.1/22

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.100 $\pm$ 0.000 χ^2 /NDF: 3854398.9/26

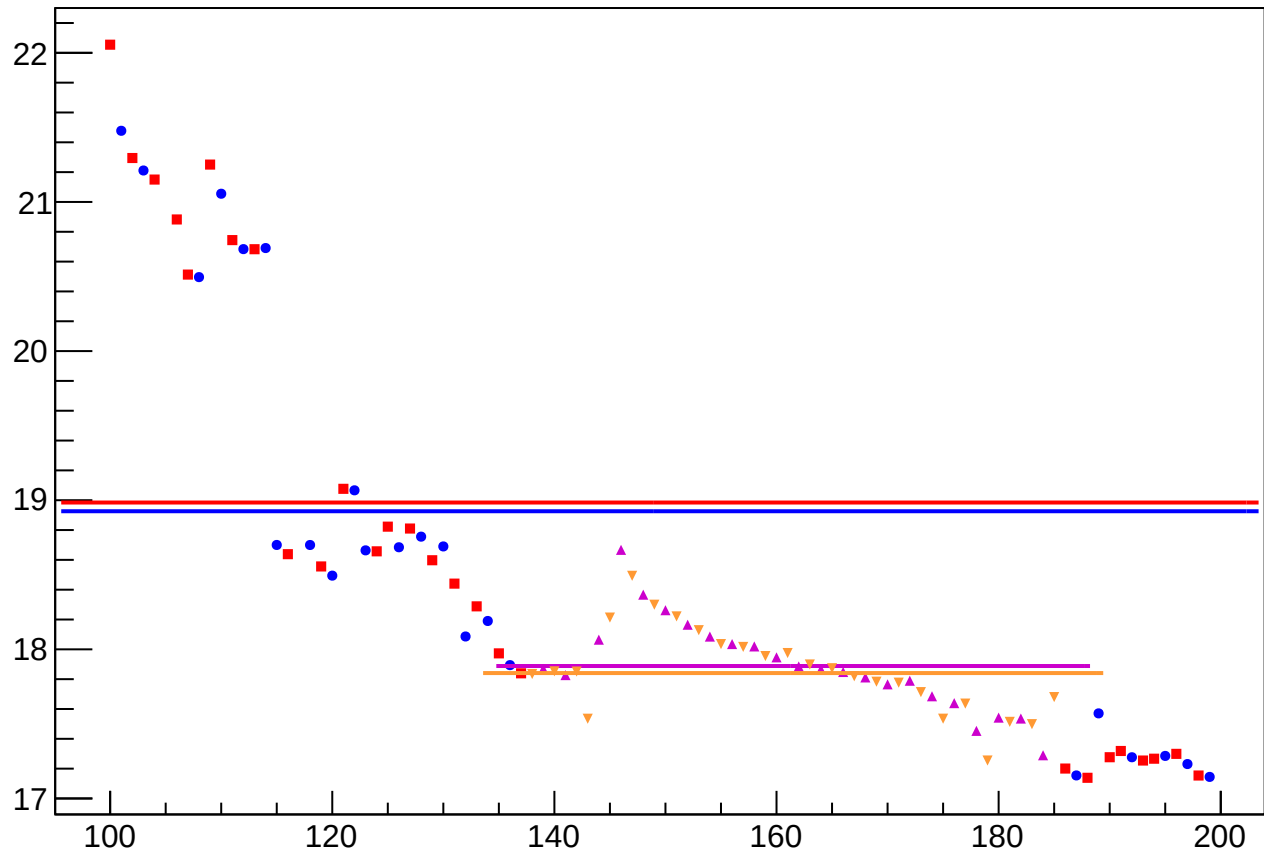
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.070 $\pm$ 0.000 χ^2 /NDF: 5435256.6/47

All: 0.071 $\pm$ 0.000 χ^2 /NDF: 11771465.5/97

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 6297949.6/49

yield_sam5_mean vs Slug



Right In: 18.926+/-0.000 χ^2/NDF : 23473391948.5/22

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 18.985+/-0.000 χ^2/NDF : 26047569783.3/26

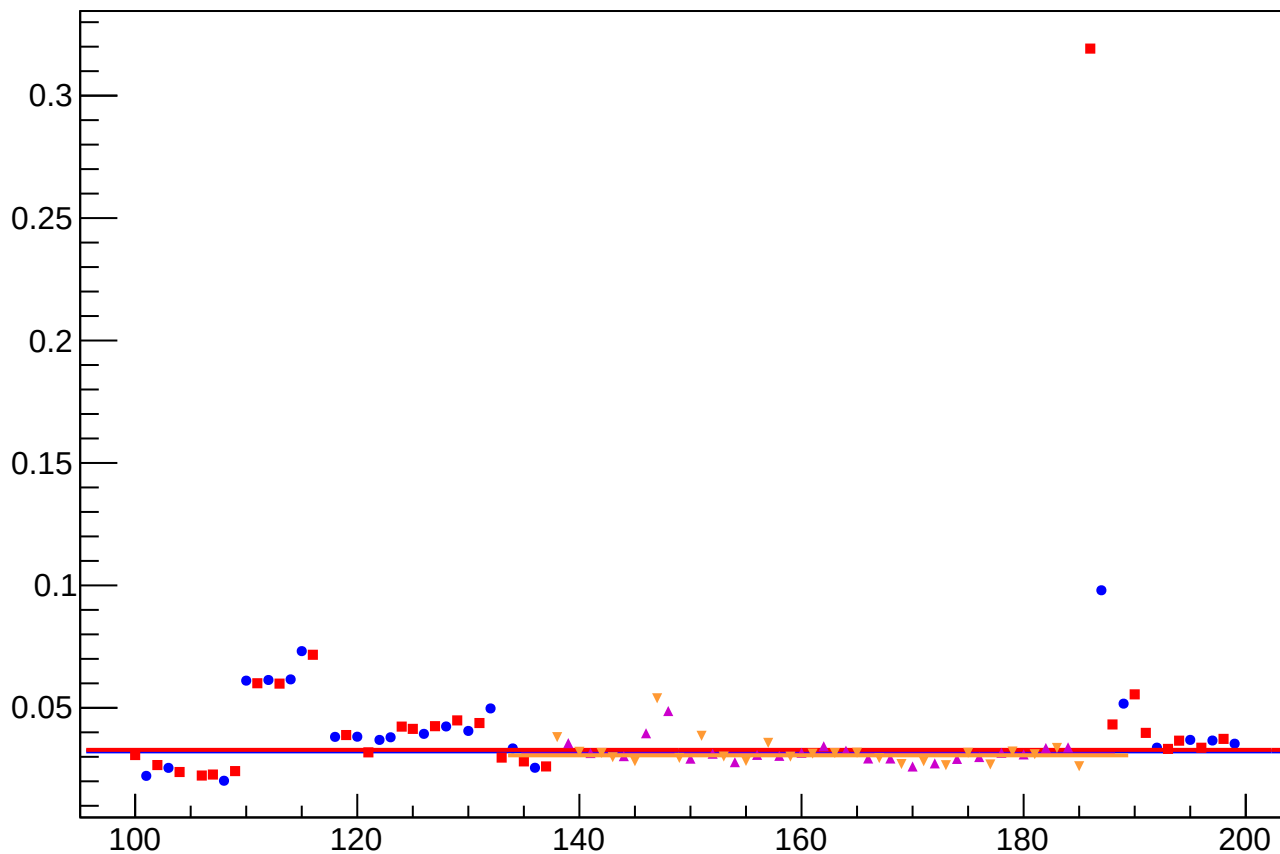
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.190+/-0.000 χ^2/NDF : 31816040845.1/47

All: 18.232+/-0.000 χ^2/NDF : 66545877704.1

- sign 18.276+/-0.000 χ^2/NDF : 34629679452.2/49

yield_sam5_rms vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 1673659.1/22

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 2081102.5/26

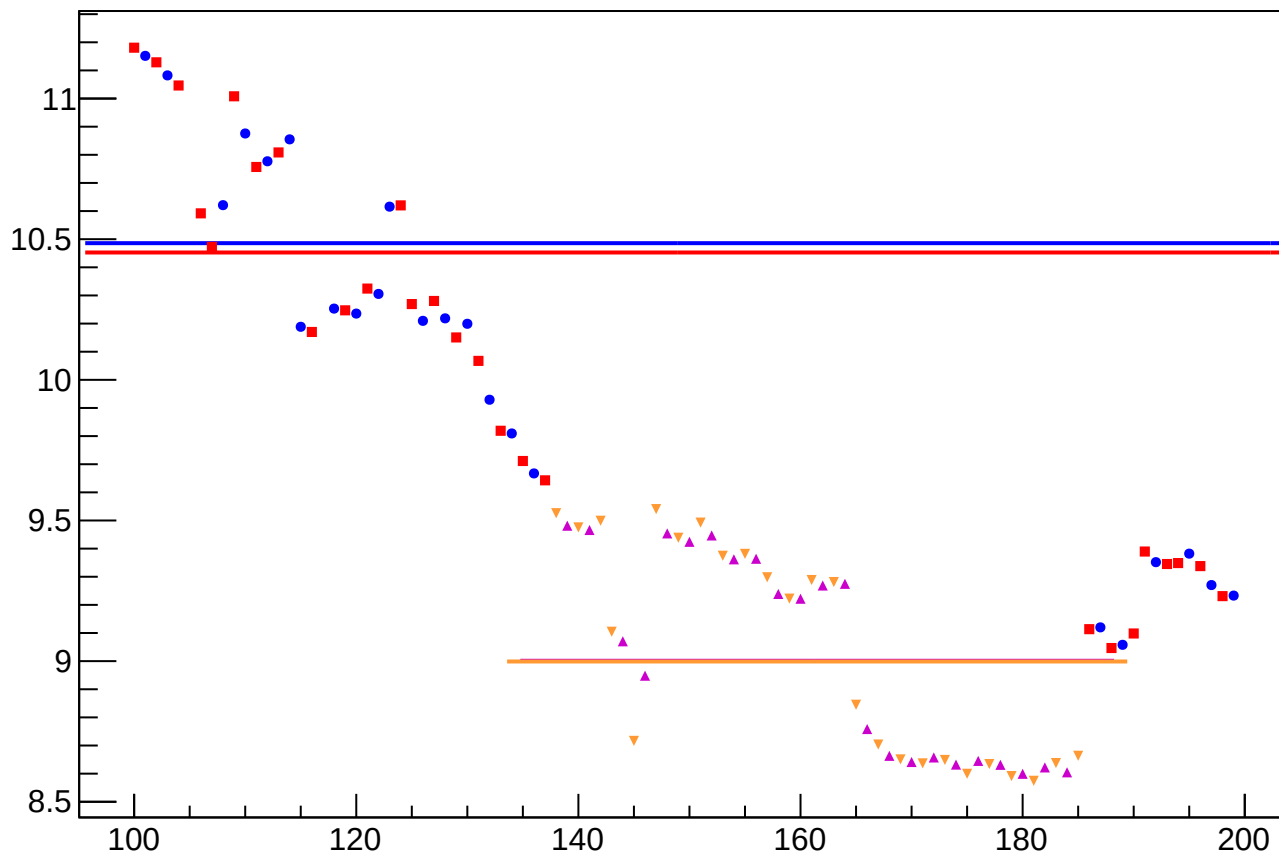
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2295272.9/47

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 4881979.6/97

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2580906.3/49

yield_sam6_mean vs Slug



Right In: 10.486 $\pm$ 0.000 χ^2 /NDF: 10763328778.0/22

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.453 $\pm$ 0.000 χ^2 /NDF: 10027402466.1/26

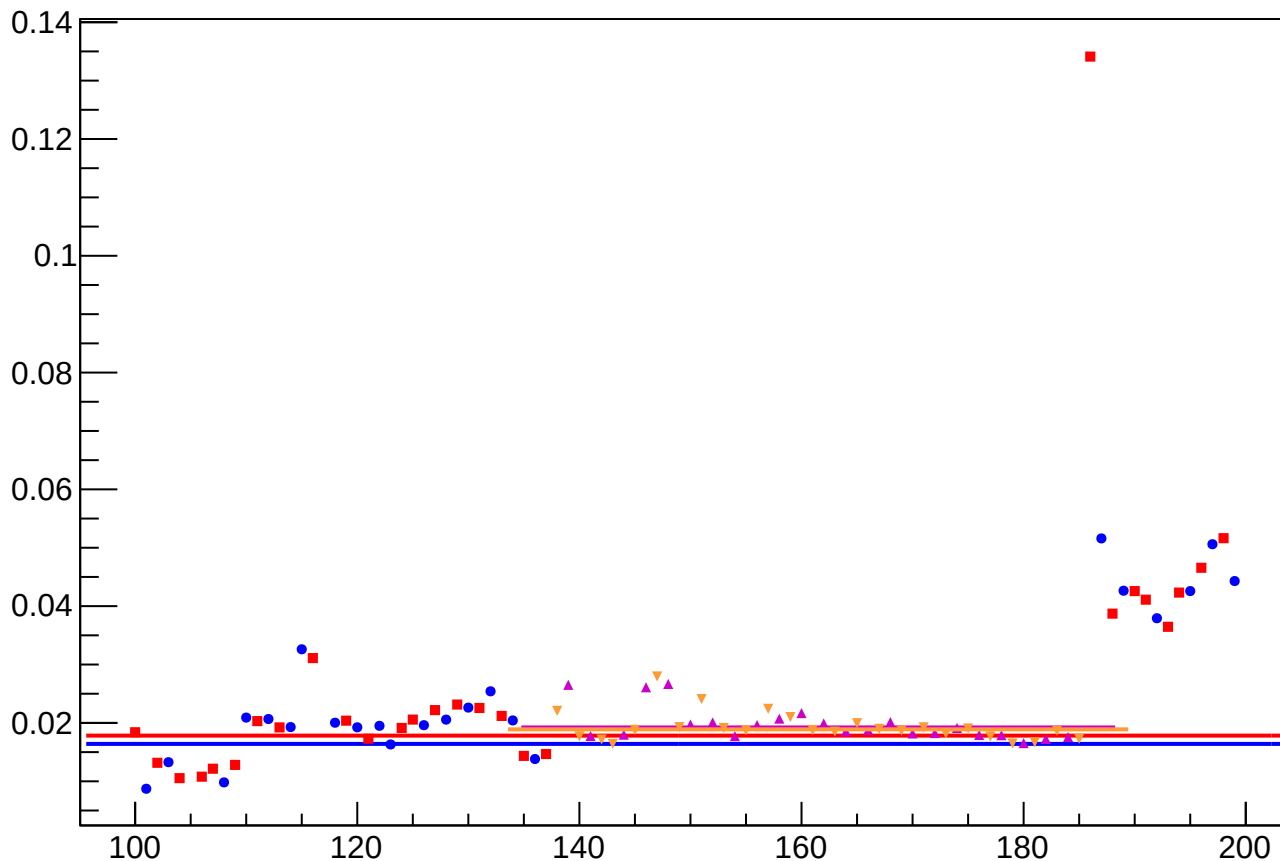
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.555 $\pm$ 0.000 χ^2 /NDF: 56050996403.9/47

All: 9.564 $\pm$ 0.000 χ^2 /NDF: 106936843959.1

- sign 9.573 $\pm$ 0.000 χ^2 /NDF: 50874480257.4/49

yield_sam6_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 4628008.0/22

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.018+/-0.000 χ^2/NDF : 4963021.4/26

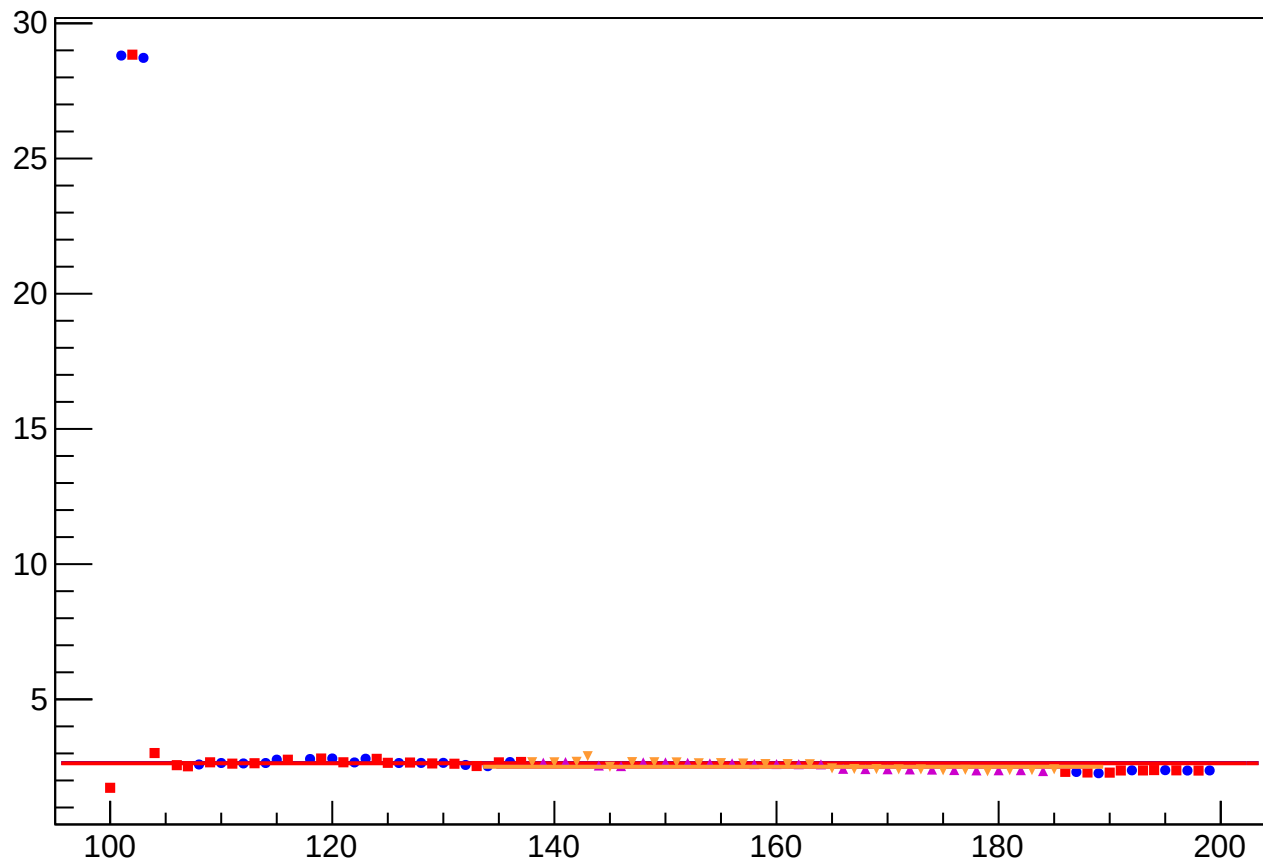
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.018+/-0.000 χ^2/NDF : 5274679.0/47

All: 0.018+/-0.000 χ^2/NDF : 10822235.6/97

- sign 0.019+/-0.000 χ^2/NDF : 5510975.5/49

yield_sam7_mean vs Slug



Right In: 2.646+/-0.000 χ^2/NDF : 170837250331.3/22

Left Out: 2.507+/-0.000 χ^2/NDF : 64277969186.7/24

Right Out: 2.636+/-0.000 χ^2/NDF : 81876297714.9/26

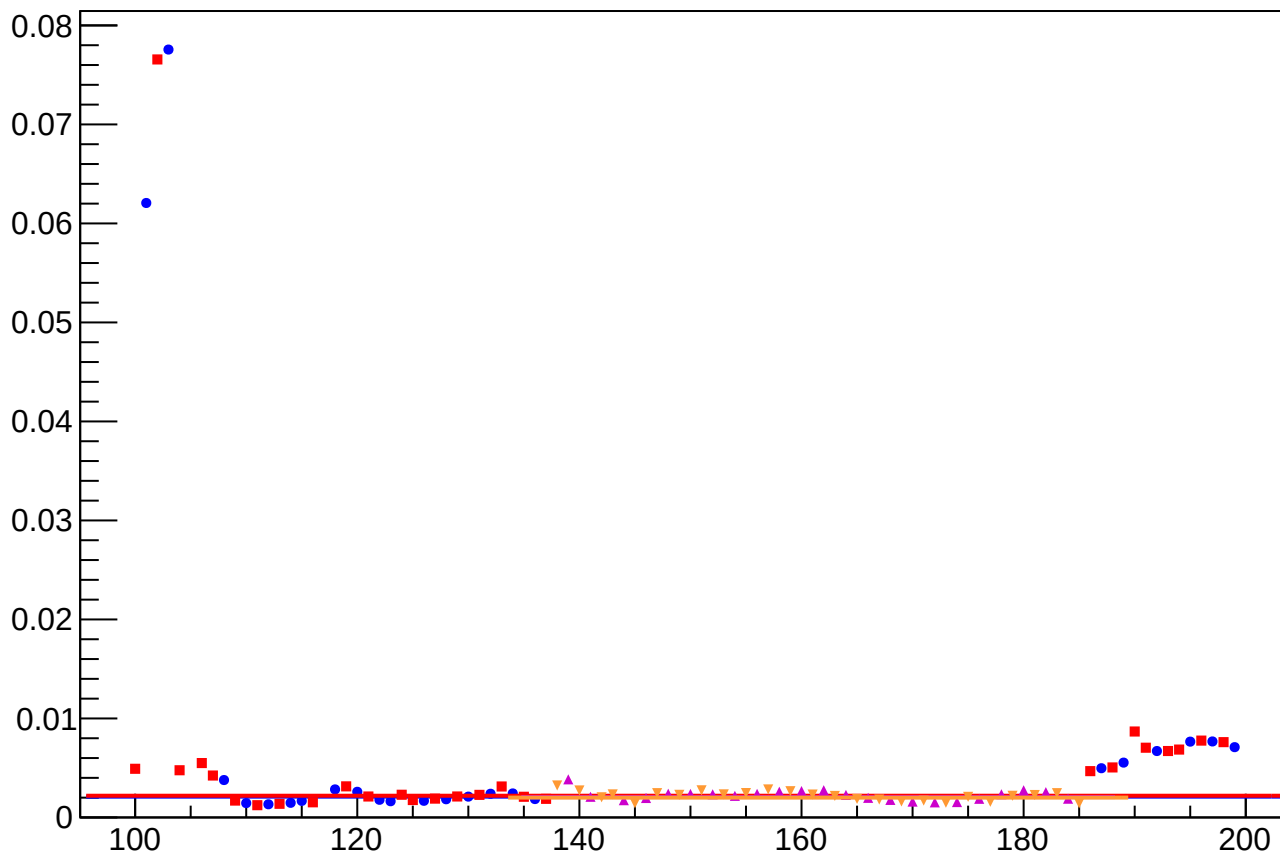
Left In: 2.505+/-0.000 χ^2/NDF : 42893630742.5/22

+ sign 2.546+/-0.000 χ^2/NDF : 255029368568.3/47

All: 2.546+/-0.000 χ^2/NDF : 397614492884.1

- sign 2.547+/-0.000 χ^2/NDF : 142583285594.5/49

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 6604704.7/22

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 7028230.7/26

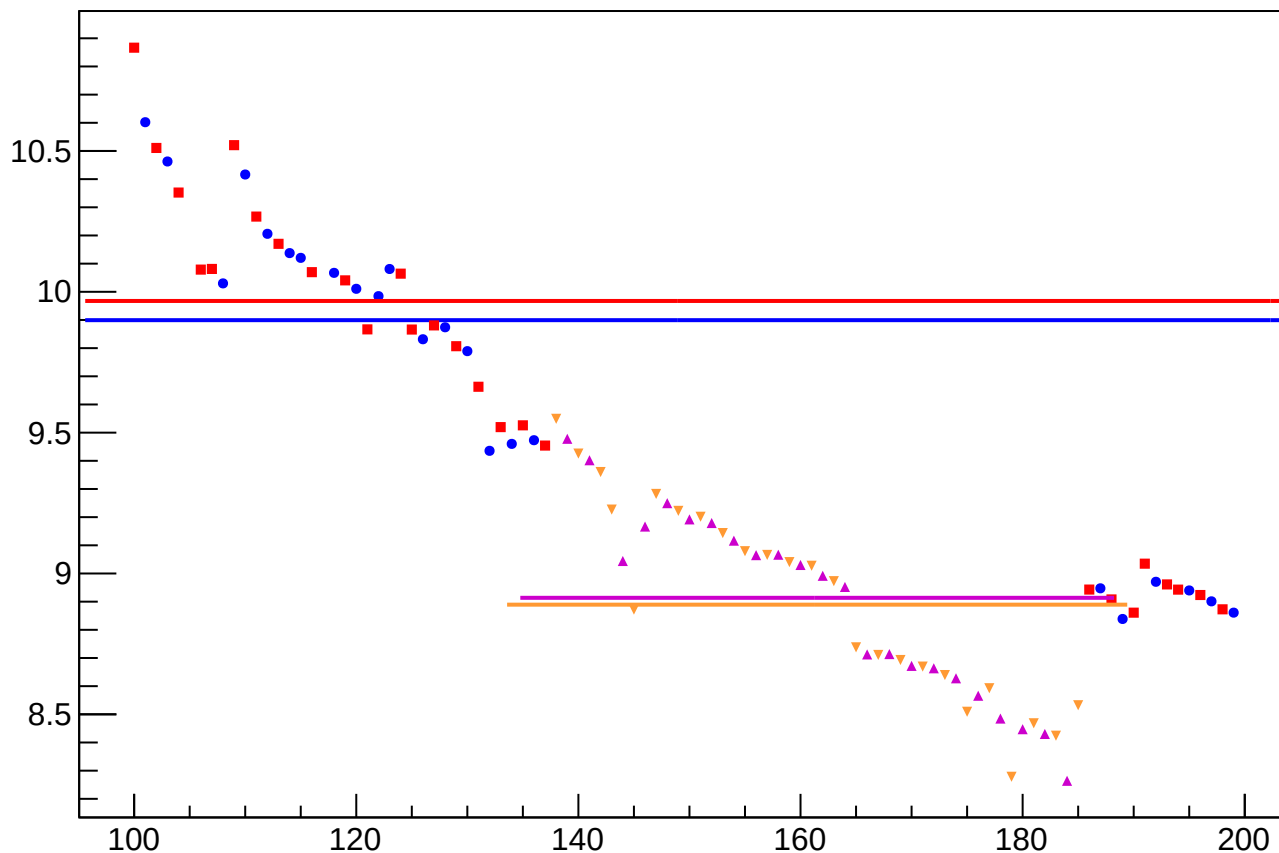
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8092865.2/47

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 16485544.4/97

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8369673.4/49

yield_sam8_mean vs Slug



Right In: 9.899 $\pm$ 0.000 χ^2 /NDF: 36408551497.0/22

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 9.968 $\pm$ 0.000 χ^2 /NDF: 39824335873.2/26

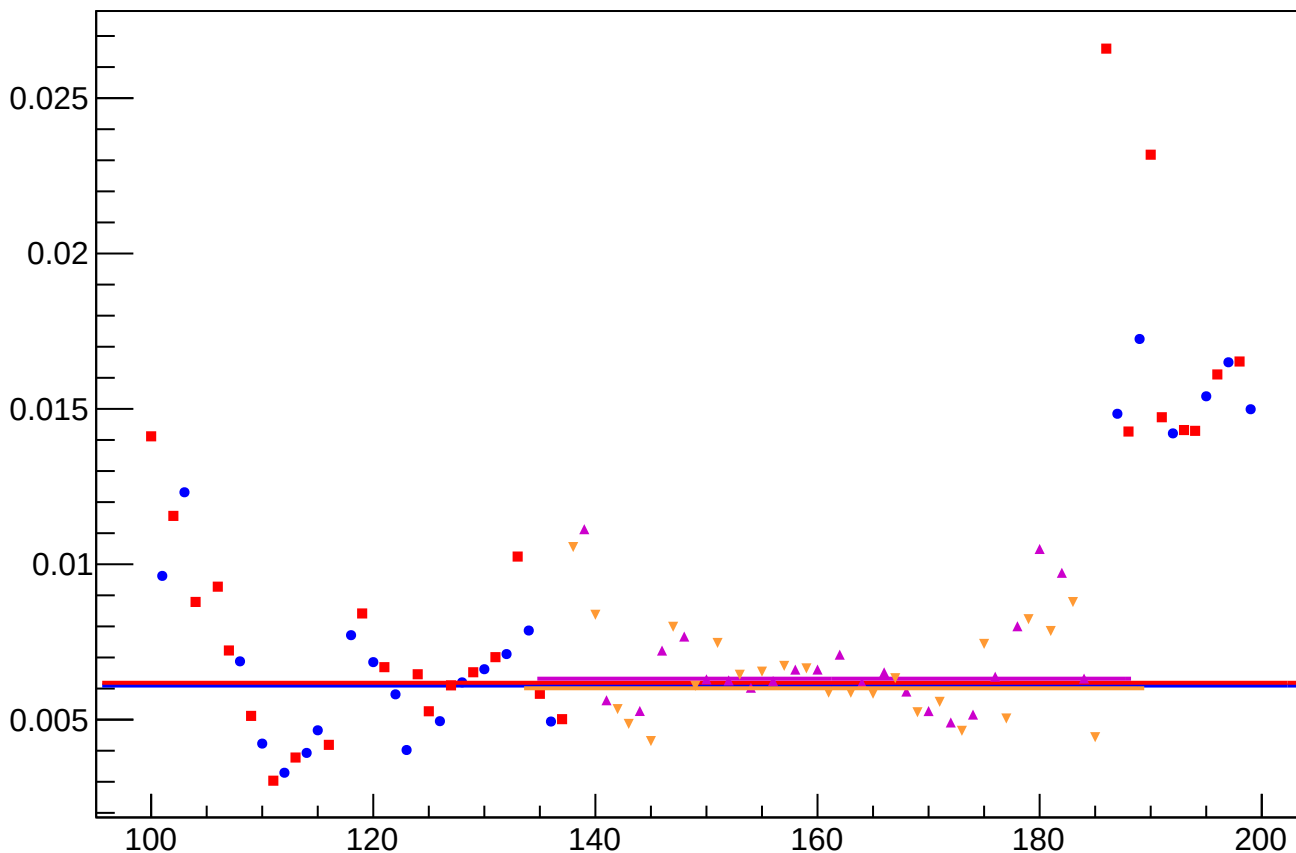
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.222 $\pm$ 0.000 χ^2 /NDF: 206299249605.4/47

All: 9.265 $\pm$ 0.000 χ^2 /NDF: 423145794965.1

- sign 9.312 $\pm$ 0.000 χ^2 /NDF: 214488386482.7/49

yield_sam8_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 4306836.3/22

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 5739915.5/26

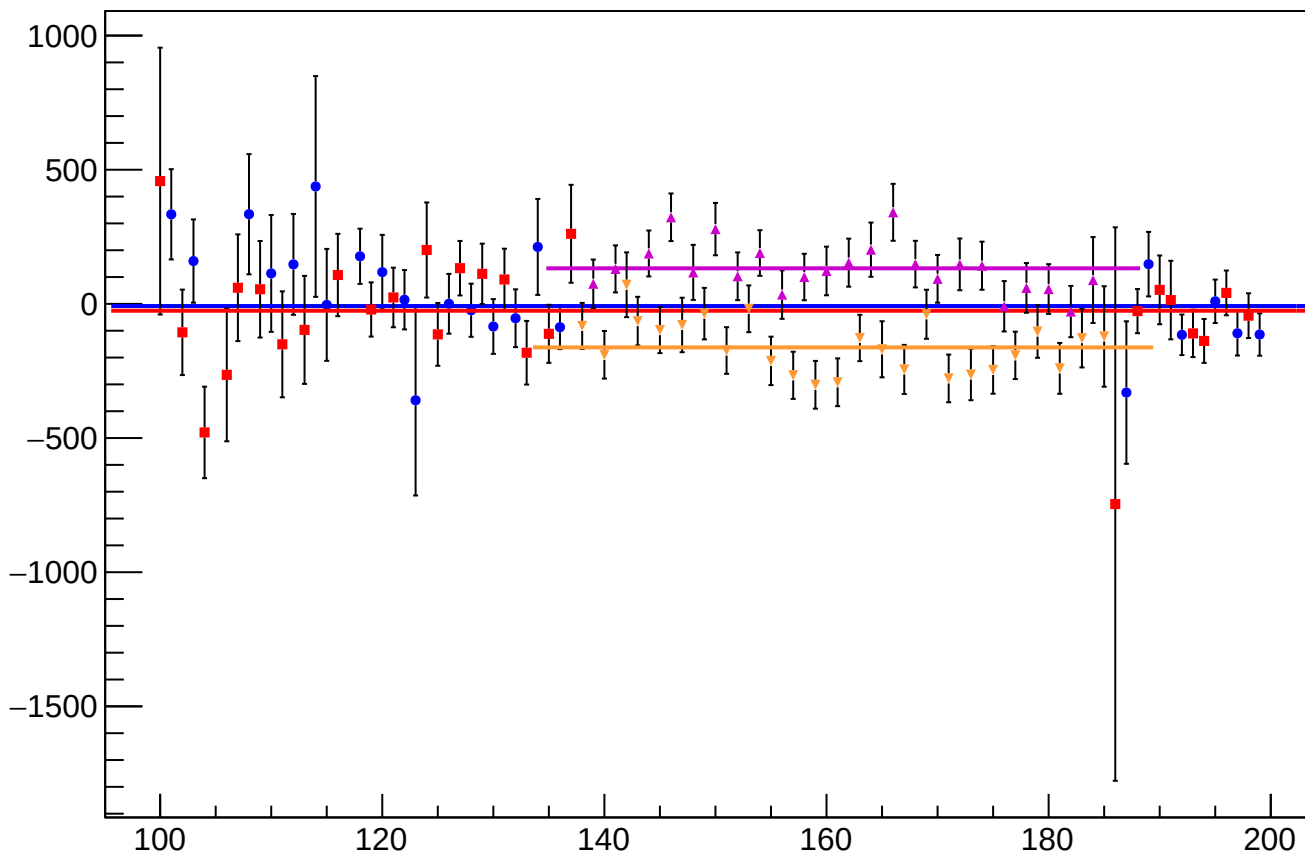
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 5621395.0/47

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 12483663.4/97

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 6831524.1/49

reg_asym_sam1_mean vs Slug



Right In: -7.999 ± 24.447 $\chi^2/\text{NDF}: 26.6/22$

Left Out: -162.161 ± 18.745 $\chi^2/\text{NDF}: 25.7/24$

Right Out: -25.478 ± 23.662 $\chi^2/\text{NDF}: 27.5/26$

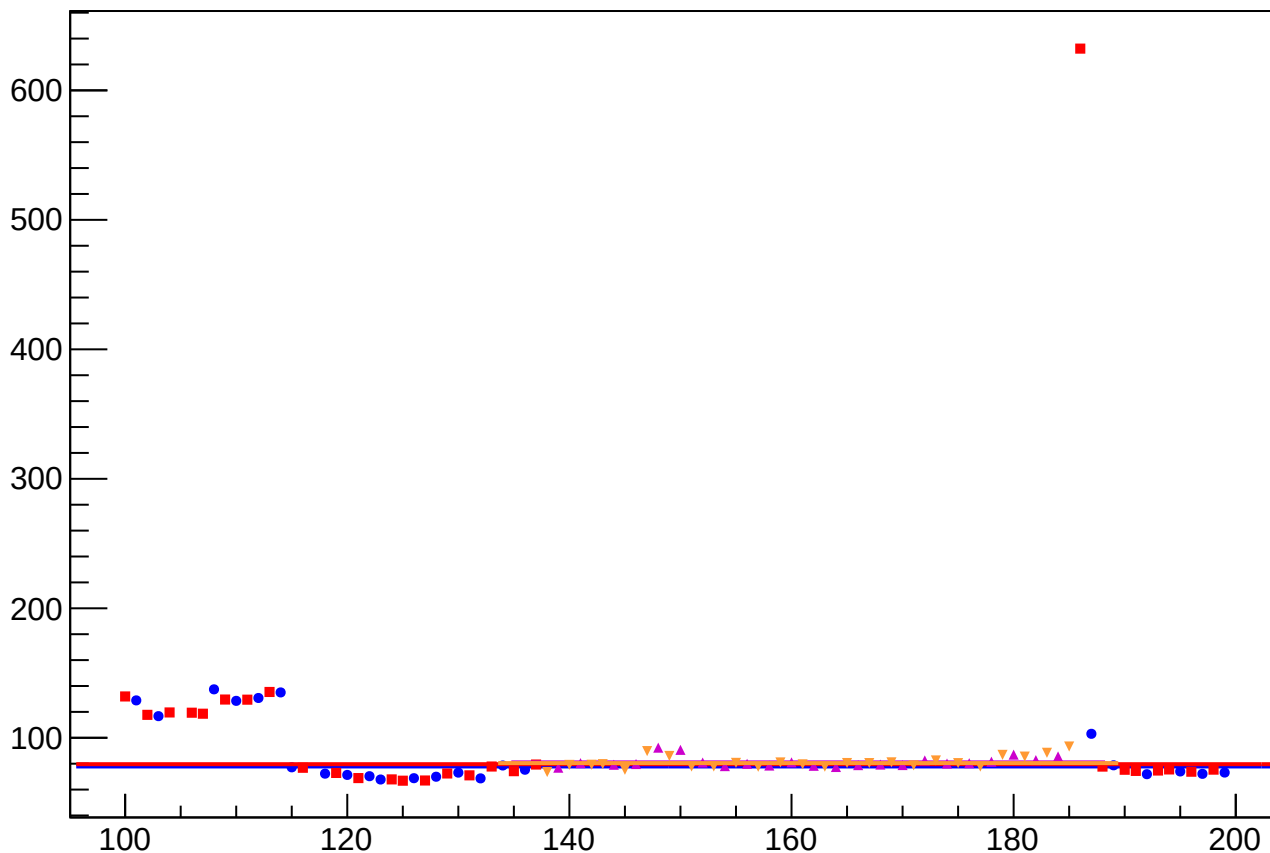
Left In: 132.557 ± 19.403 $\chi^2/\text{NDF}: 20.7/22$

+ sign -105.083 ± 14.875 $\chi^2/\text{NDF}: 77.4/47$

All: -18.783 ± 10.564 $\chi^2/\text{NDF}: 220.2/97$

- sign 69.016 ± 15.004 $\chi^2/\text{NDF}: 74.9/49$

reg_asym_sam1_rms vs Slug



Right In: 77.856+/-0.017 χ^2/NDF : 875808.6/22

Left Out: 80.459+/-0.013 χ^2/NDF : 89942.2/24

Right Out: 79.611+/-0.017 χ^2/NDF : 1531893.3/26

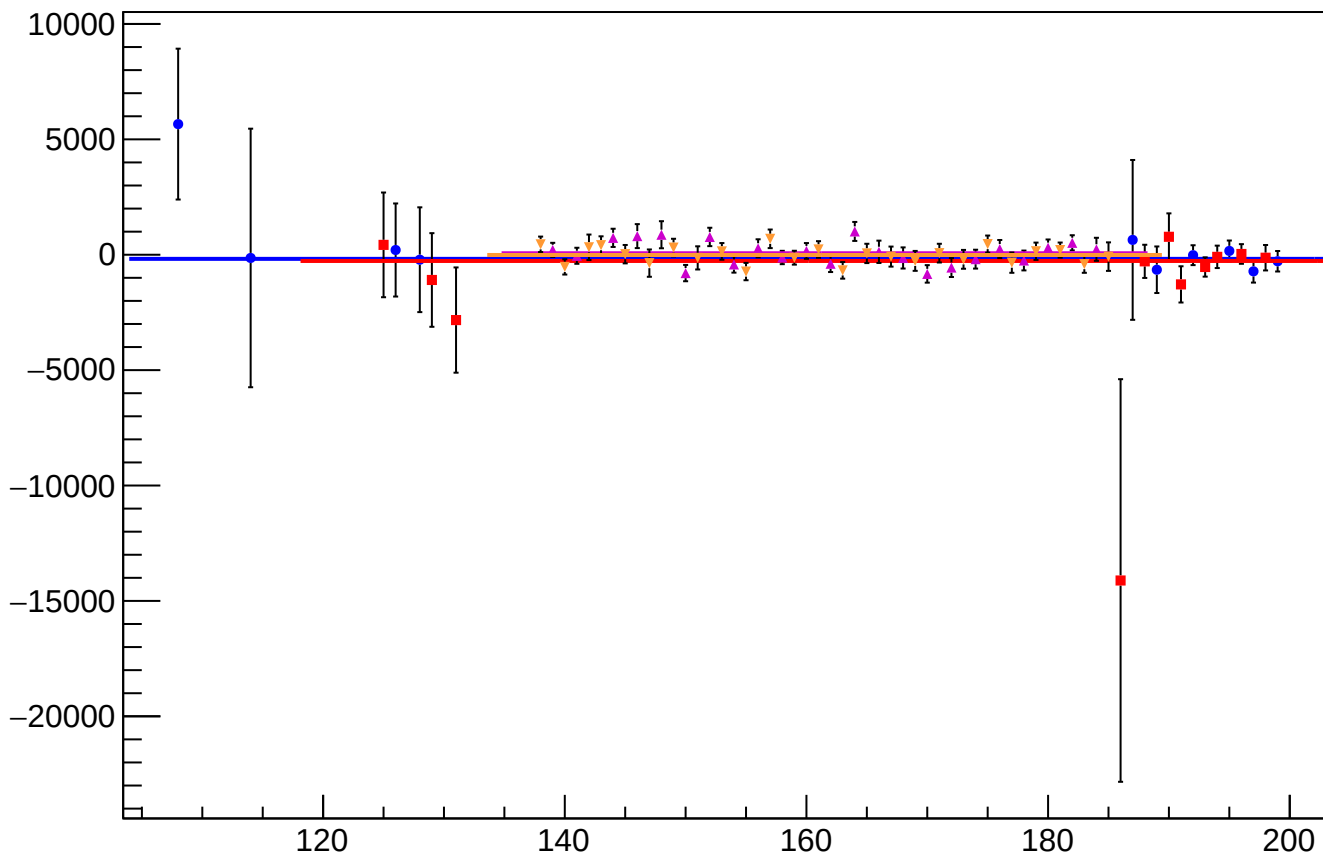
Left In: 81.014+/-0.014 χ^2/NDF : 72250.2/22

+ sign 79.495+/-0.011 χ^2/NDF : 980027.4/47

All: 79.968+/-0.007 χ^2/NDF : 2592459.5/97

- sign 80.450+/-0.011 χ^2/NDF : 1608349.7/49

asym_sam1_correction_mean vs Slug



Right In: -178.459 ± 217.064 χ^2/NDF : 5.5/9

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -269.598 ± 204.362 χ^2/NDF : 7.9/10

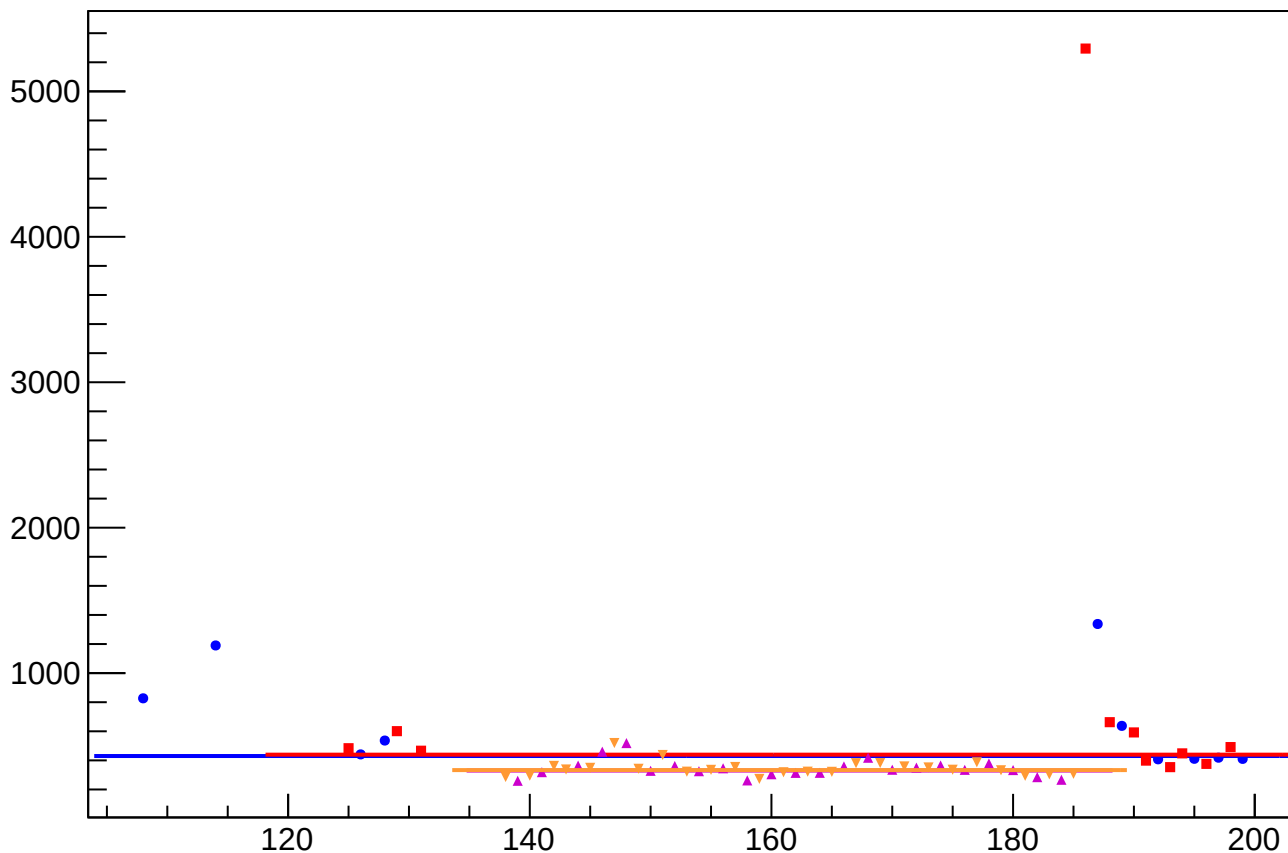
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -29.866 ± 73.730 χ^2/NDF : 28.6/34

All: -5.134 ± 52.417 χ^2/NDF : 76.4/68

- sign 20.139 ± 74.533 χ^2/NDF : 47.6/33

asym_sam1_correction_rms vs Slug



Right In: 430.018 $\pm$ 0.153 χ^2 /NDF: 306866.8/9

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 439.389 $\pm$ 0.145 χ^2 /NDF: 1024322.8/10

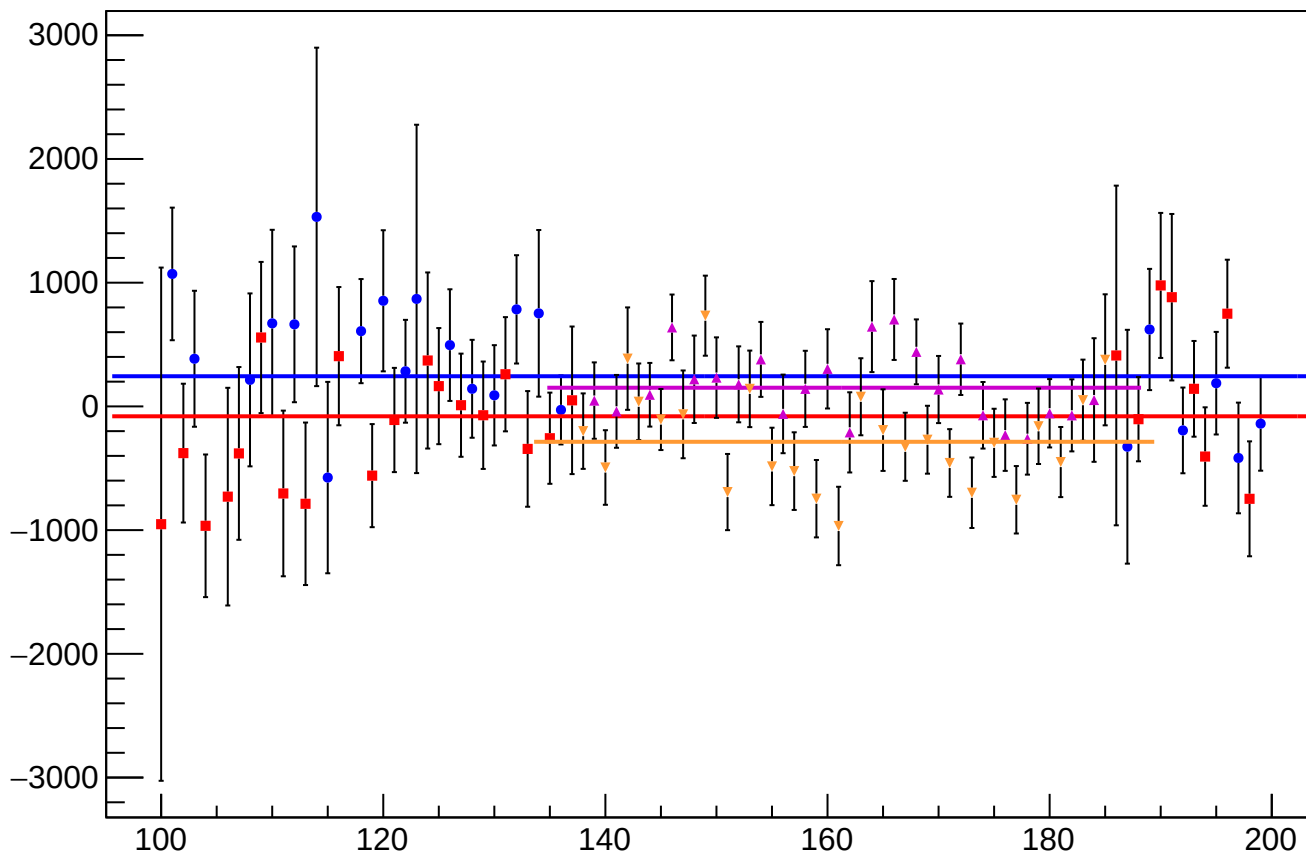
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 344.400 $\pm$ 0.052 χ^2 /NDF: 1250736.8/34

All: 344.468 $\pm$ 0.037 χ^2 /NDF: 3567968.0/68

- sign 344.538 $\pm$ 0.053 χ^2 /NDF: 2317227.8/33

reg_asym_sam2_mean vs Slug



Right In: 243.784 $\pm$ 100.340 χ^2 /NDF: 16.7/22

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: -80.026 $\pm$ 97.235 χ^2 /NDF: 22.7/26

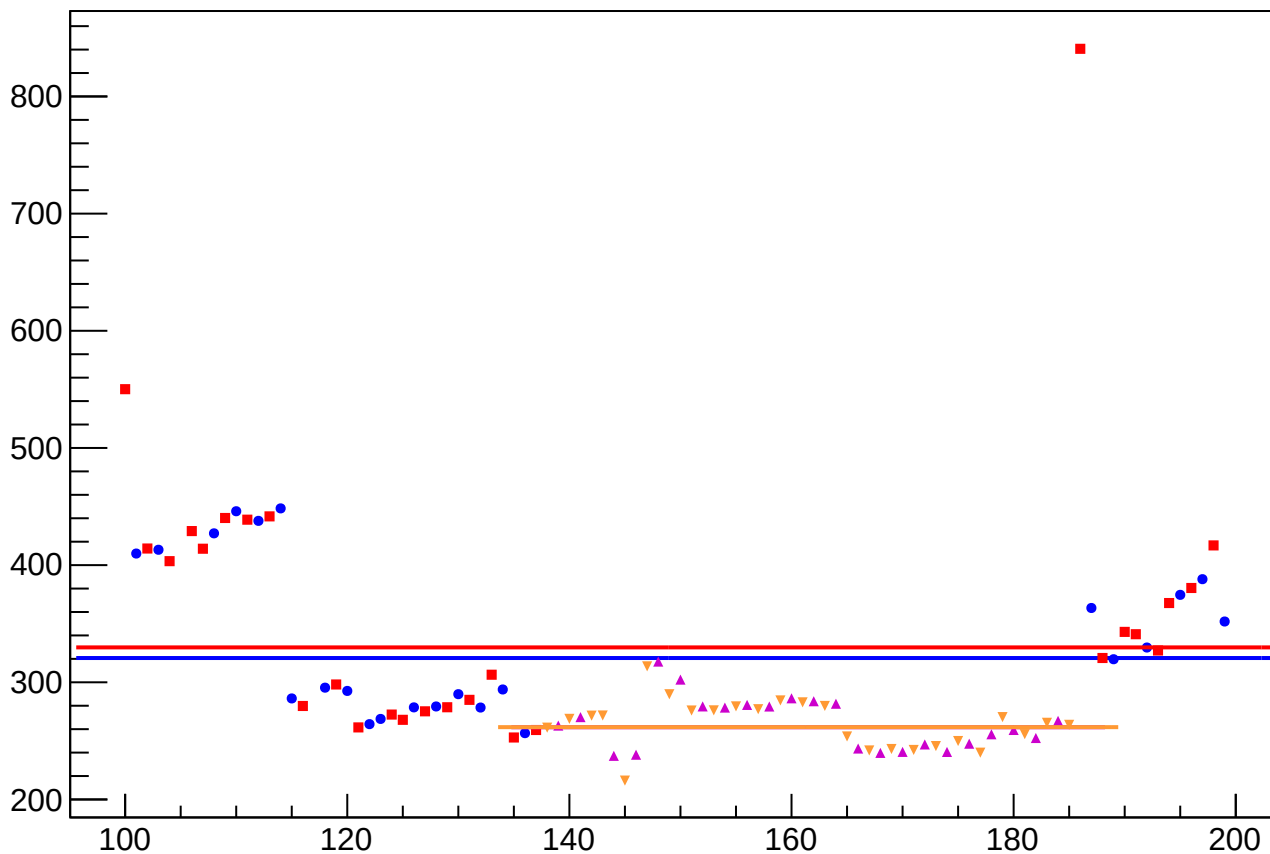
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -142.735 $\pm$ 52.183 χ^2 /NDF: 73.6/47

All: -31.161 $\pm$ 37.103 χ^2 /NDF: 128.2/97

- sign 82.913 $\pm$ 52.764 χ^2 /NDF: 45.4/49

reg_asym_sam2_rms vs Slug



Right In: 320.716+/-0.071 χ^2/NDF : 631548.2/22

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 329.790+/-0.069 χ^2/NDF : 1055292.8/26

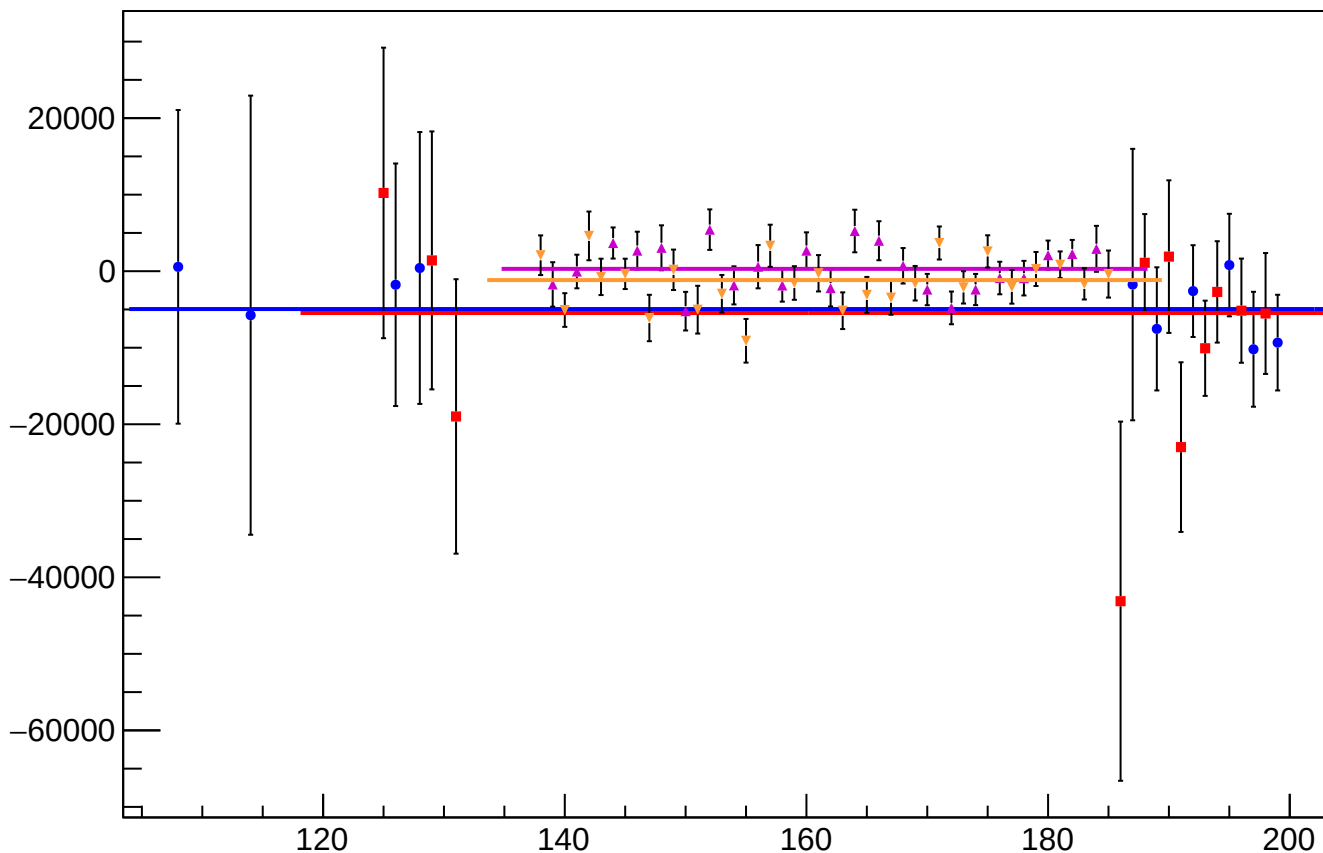
Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

+ sign 277.677+/-0.037 χ^2/NDF : 1369141.0/47

All: 279.669+/-0.026 χ^2/NDF : 3351794.1/97

- sign 281.705+/-0.037 χ^2/NDF : 1976760.4/49

asym_sam2_correction_mean vs Slug



Right In: -4947.745 ± 2853.498 χ^2/NDF : 2.2/9

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -5460.671 ± 2668.968 χ^2/NDF : 8.8/10

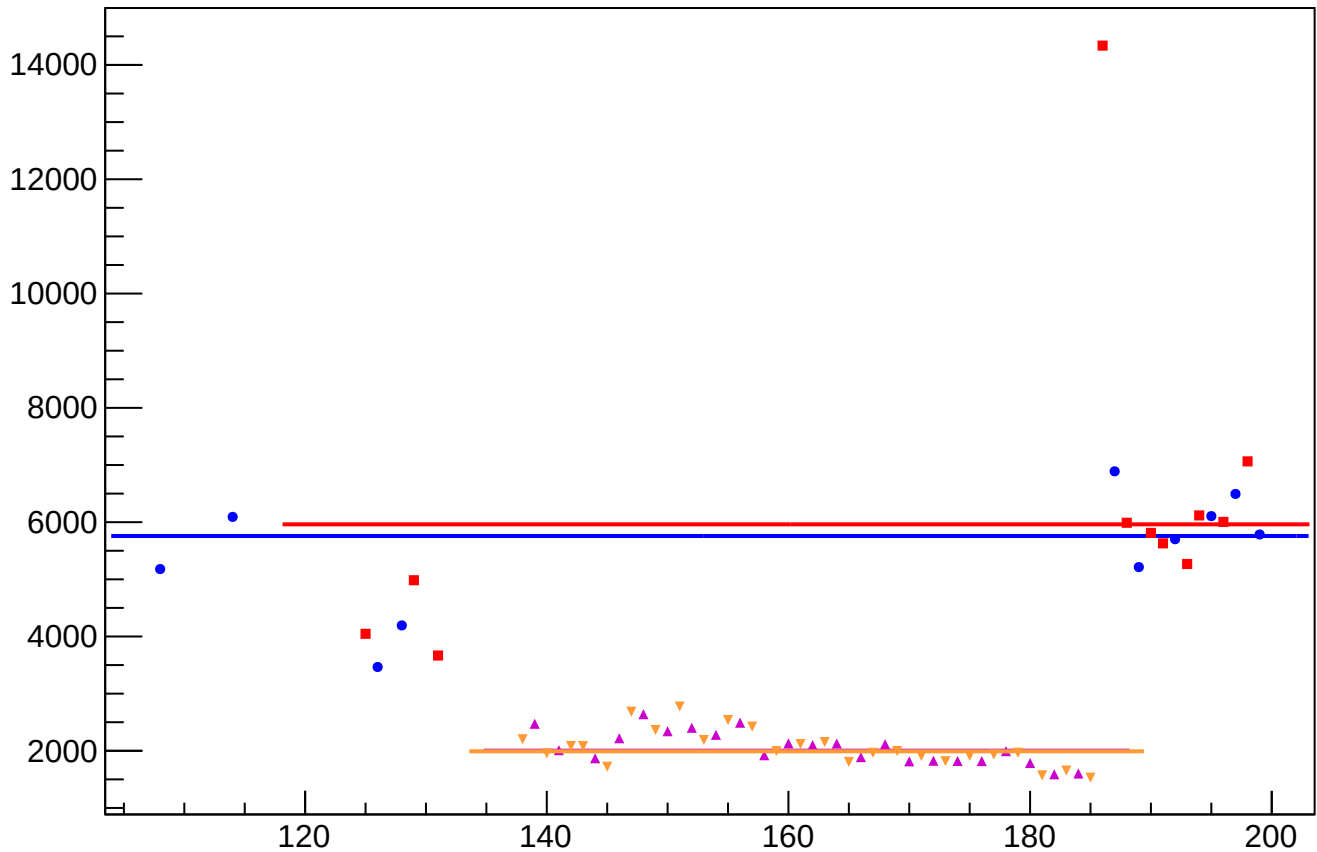
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1261.051 ± 462.826 χ^2/NDF : 42.7/34

All: -589.457 ± 331.834 χ^2/NDF : 95.7/68

- sign 120.979 ± 476.022 χ^2/NDF : 48.7/33

asym_sam2_correction_rms vs Slug



Right In: 5758.703+/-2.018 χ^2/NDF : 101337.0/9

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5962.138+/-1.887 χ^2/NDF : 381845.2/10

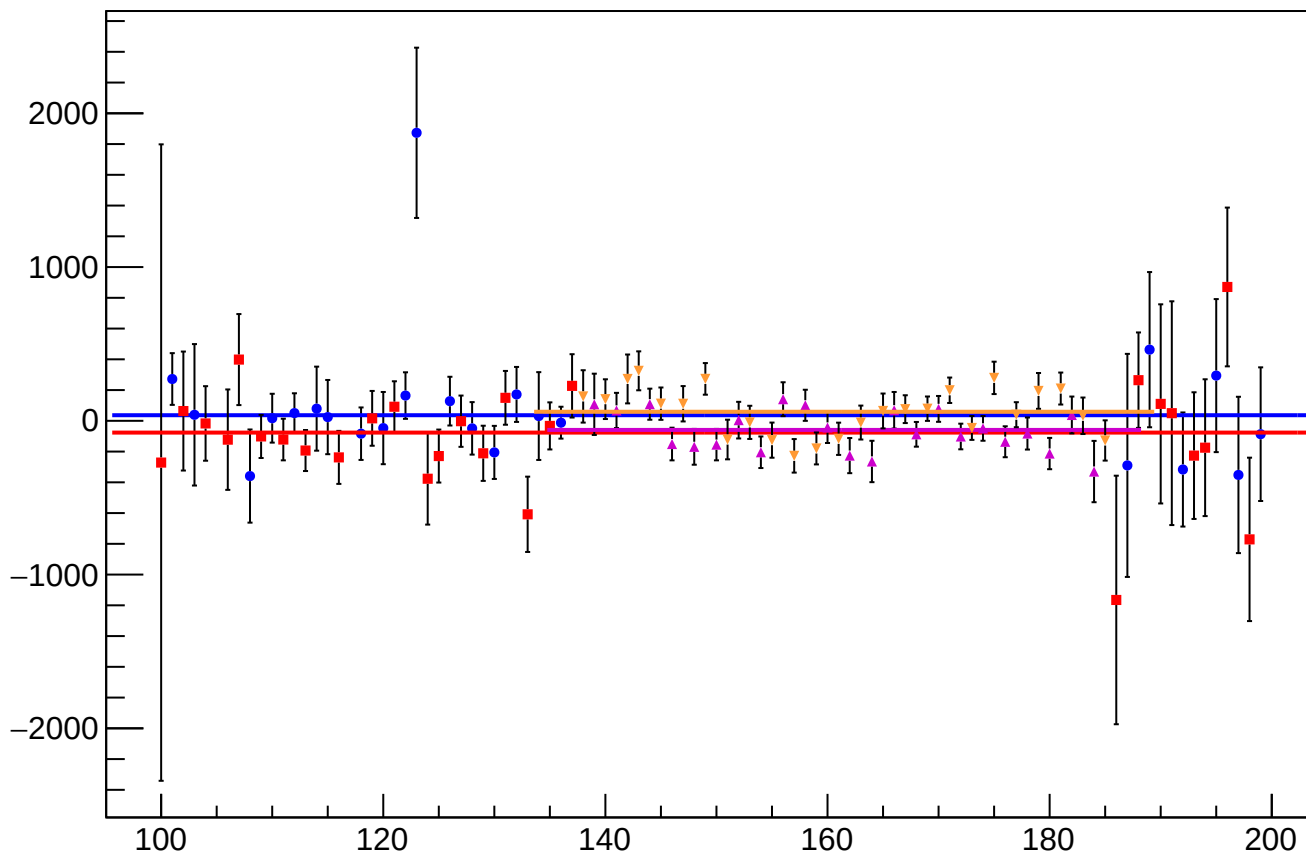
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2090.221+/-0.327 χ^2/NDF : 4222538.9/34

All: 2108.639+/-0.235 χ^2/NDF : 9459605.5/68

- sign 2128.122+/-0.337 χ^2/NDF : 5230549.1/33

reg_asym_sam3_mean vs Slug



Right In: 36.442 ± 42.580 χ^2/NDF : 22.2/22

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -76.565 ± 41.887 χ^2/NDF : 25.5/26

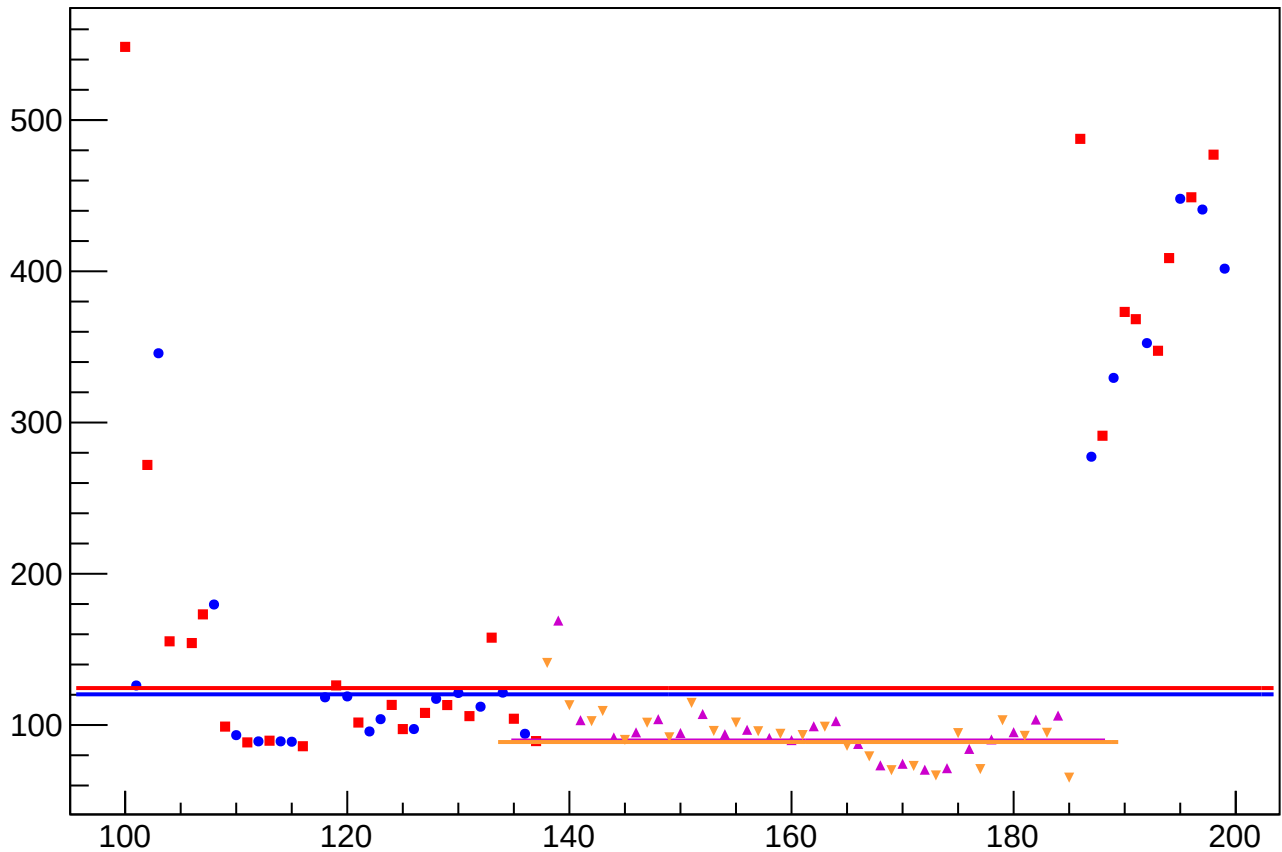
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 54.526 ± 18.933 χ^2/NDF : 69.3/47

All: -2.719 ± 13.557 χ^2/NDF : 143.0/97

- sign -62.961 ± 19.422 χ^2/NDF : 55.0/49

reg_asym_sam3_rms vs Slug



Right In: 120.290 $\pm$ 0.030 χ^2 /NDF: 4744130.2/22

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 124.429 $\pm$ 0.030 χ^2 /NDF: 5766693.0/26

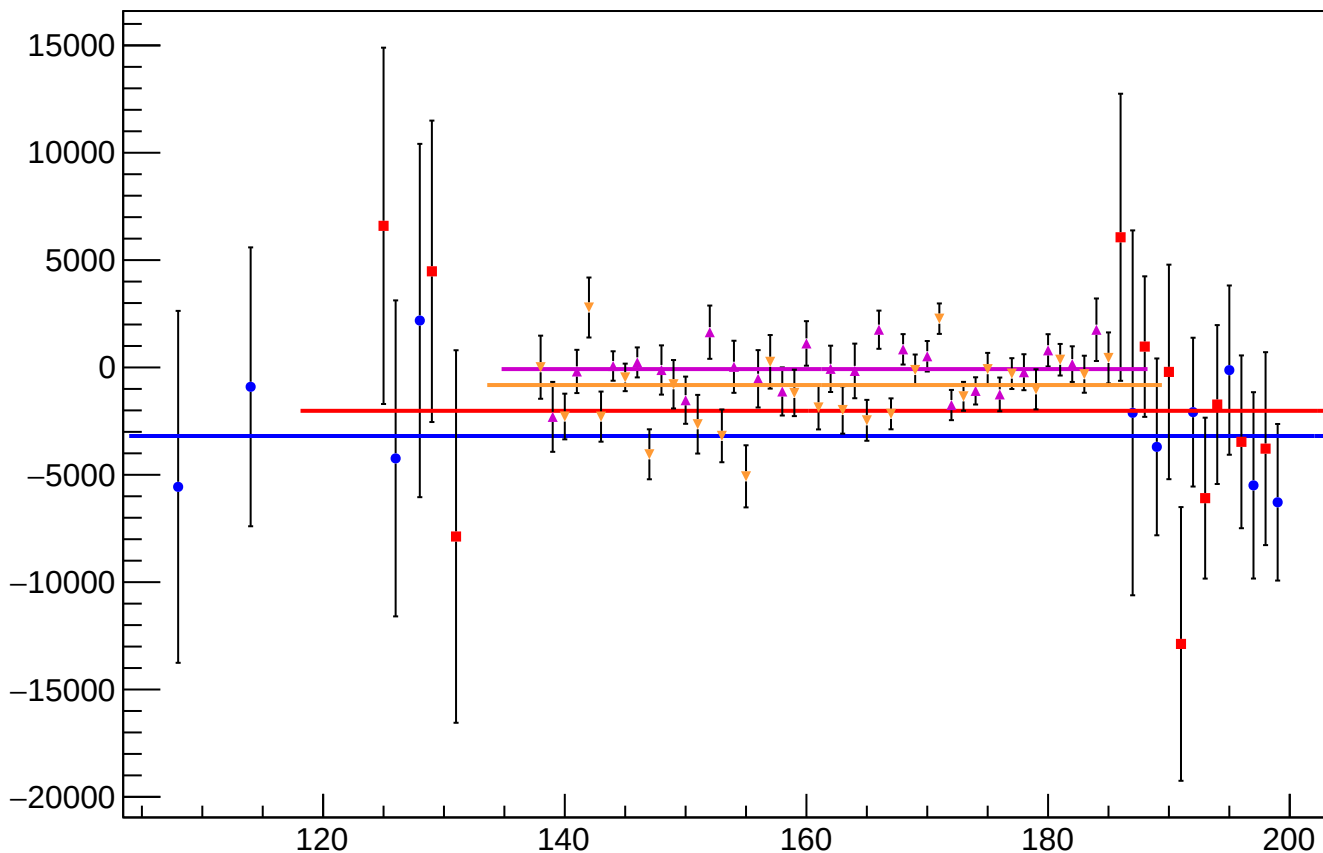
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 94.984 $\pm$ 0.013 χ^2 /NDF: 6703962.6/47

All: 96.073 $\pm$ 0.010 χ^2 /NDF: 14445204.5/97

- sign 97.218 $\pm$ 0.014 χ^2 /NDF: 7727673.5/49

asym_sam3_correction_mean vs Slug



Right In: -3192.313 ± 1541.931 χ^2/NDF : 2.4/9

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: -2019.804 ± 1437.365 χ^2/NDF : 9.2/10

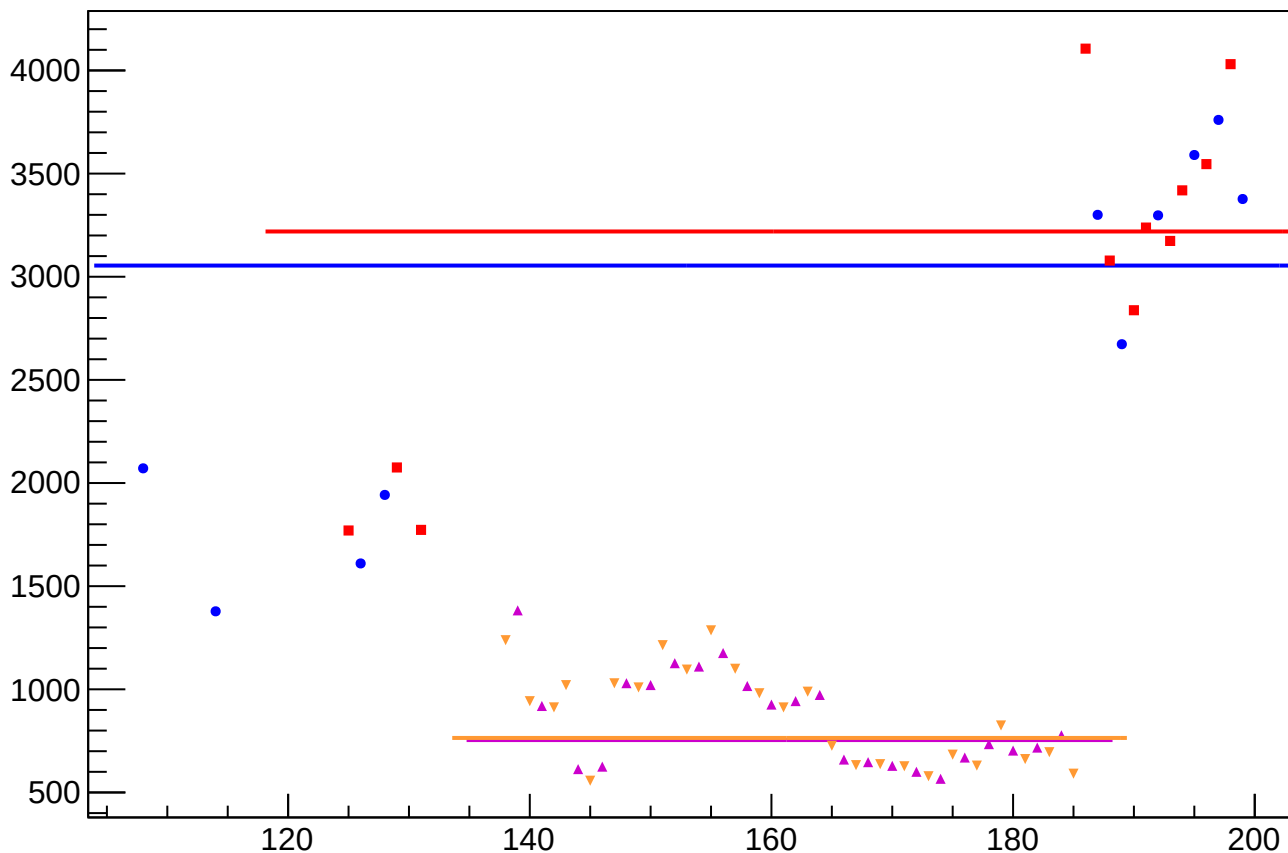
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -852.365 ± 183.158 χ^2/NDF : 72.9/34

All: -484.317 ± 130.192 χ^2/NDF : 120.4/68

- sign -108.435 ± 185.097 χ^2/NDF : 39.3/33

asym_sam3_correction_rms vs Slug



Right In: 3054.169+/-1.090 χ^2/NDF : 409738.9/9

Left Out: 764.280+/-0.130 χ^2/NDF :2315985.8/24

Right Out: 3219.379+/-1.016 χ^2/NDF : 304757.1/10

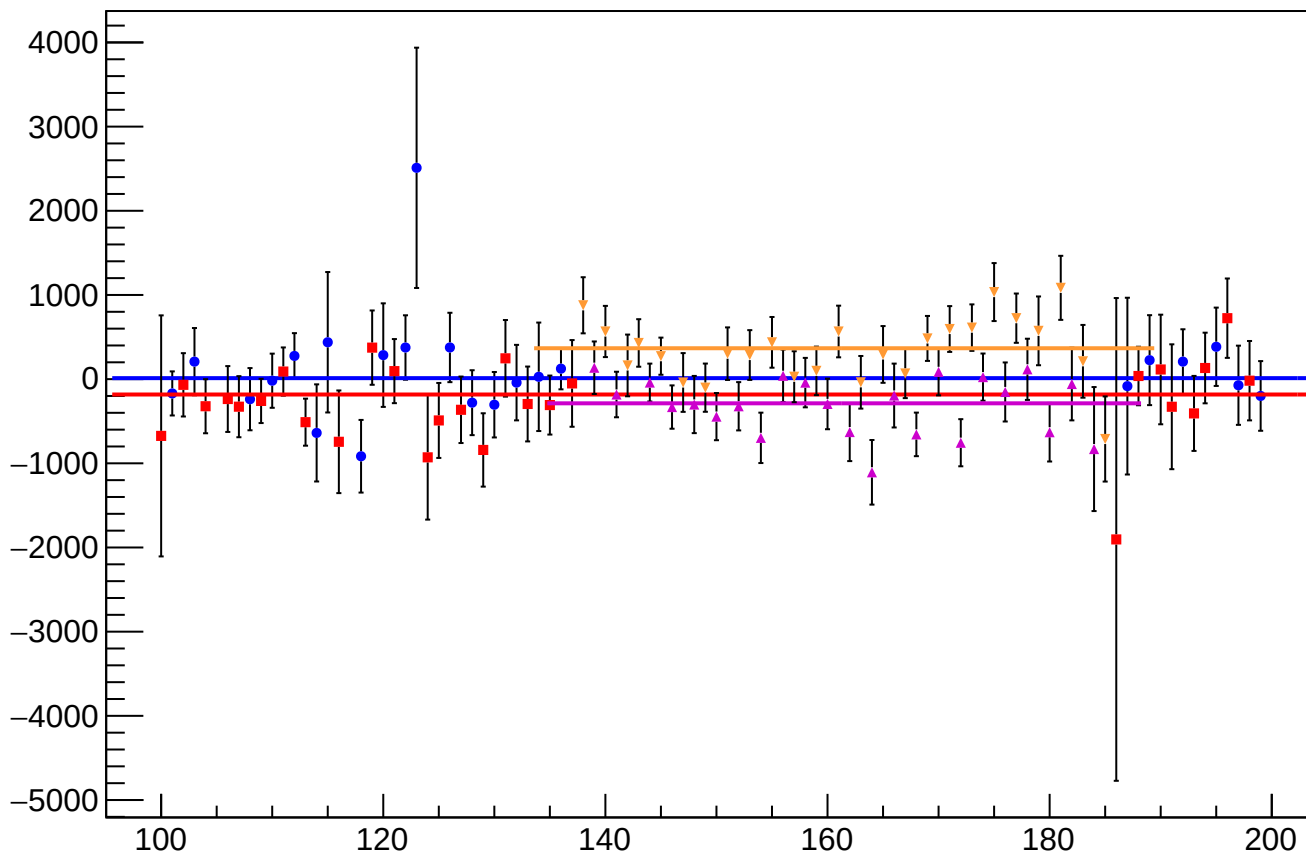
Left In: 754.027+/-0.132 χ^2/NDF :2013386.7/22

+ sign 796.590+/-0.130 χ^2/NDF : 7074407.6/34

All: 795.758+/-0.092 χ^2/NDF : 15178811.1/68

- sign 794.910+/-0.131 χ^2/NDF : 8104320.3/33

reg_asym_sam4_mean vs Slug



Right In: 11.804 ± 84.325 χ^2/NDF : 16.1/22

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -182.552 ± 79.501 χ^2/NDF : 16.7/26

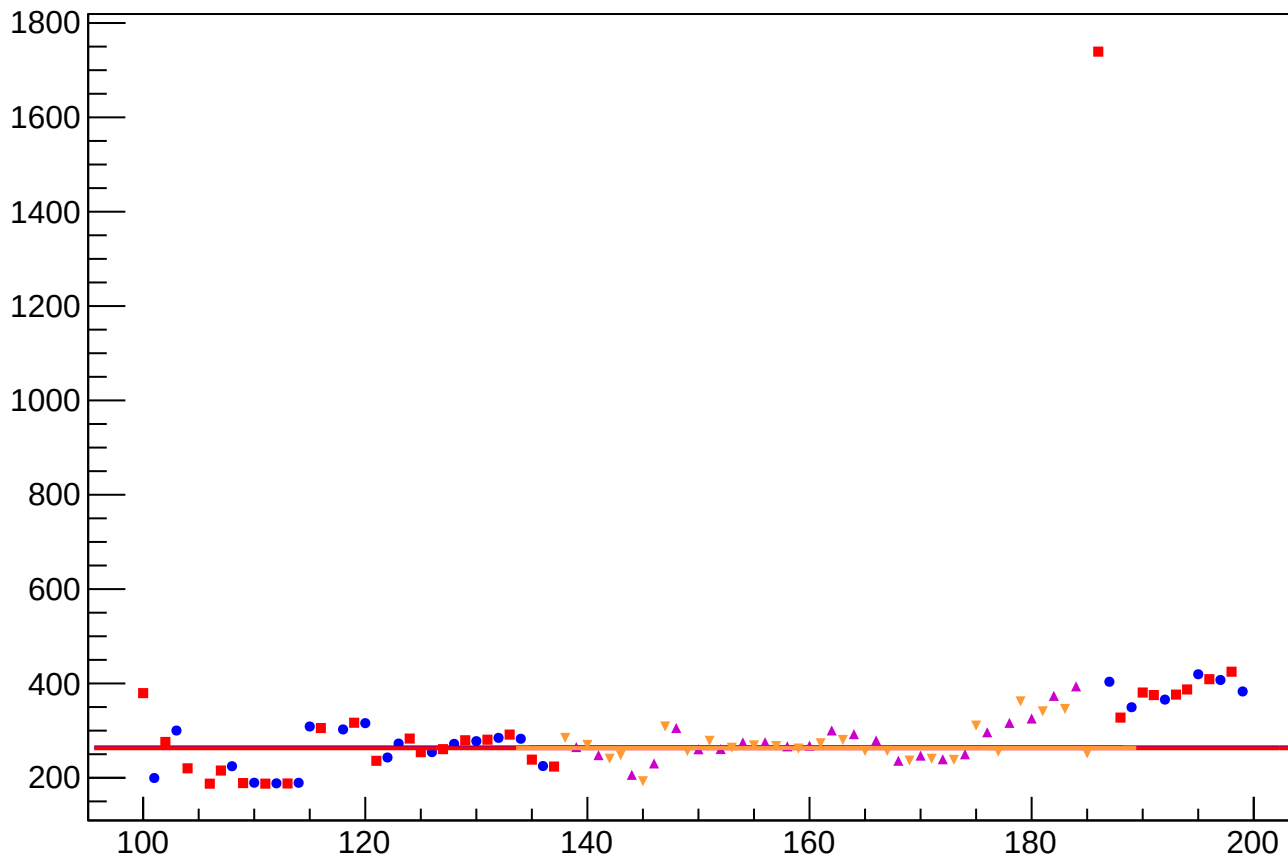
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 242.529 ± 49.922 χ^2/NDF : 55.8/47

All: -1.731 ± 35.299 χ^2/NDF : 145.4/97

- sign -245.968 ± 49.920 χ^2/NDF : 41.6/49

reg_asym_sam4_rms vs Slug



Right In: 264.398 $\pm$ 0.060 χ^2 /NDF: 1361167.3/22

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 262.590 $\pm$ 0.056 χ^2 /NDF: 2132513.4/26

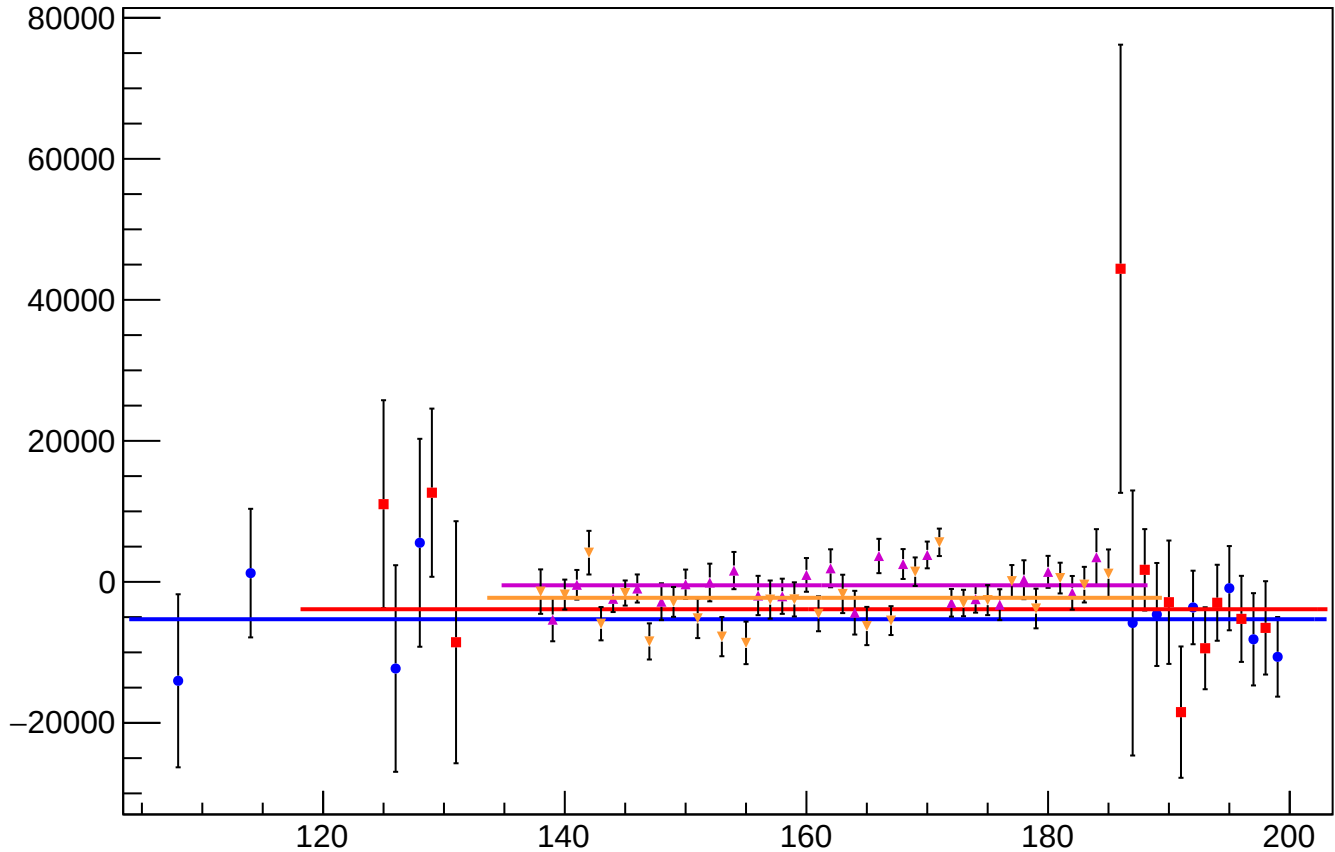
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 263.557 $\pm$ 0.035 χ^2 /NDF: 2003699.5/47

All: 263.780 $\pm$ 0.025 χ^2 /NDF: 4746360.7/97

- sign 264.003 $\pm$ 0.035 χ^2 /NDF: 2742581.1/49

asym_sam4_correction_mean vs Slug



Right In: -5298.053 ± 2432.498 χ^2/NDF : 3.5/9

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -3880.365 ± 2329.407 χ^2/NDF : 9.9/10

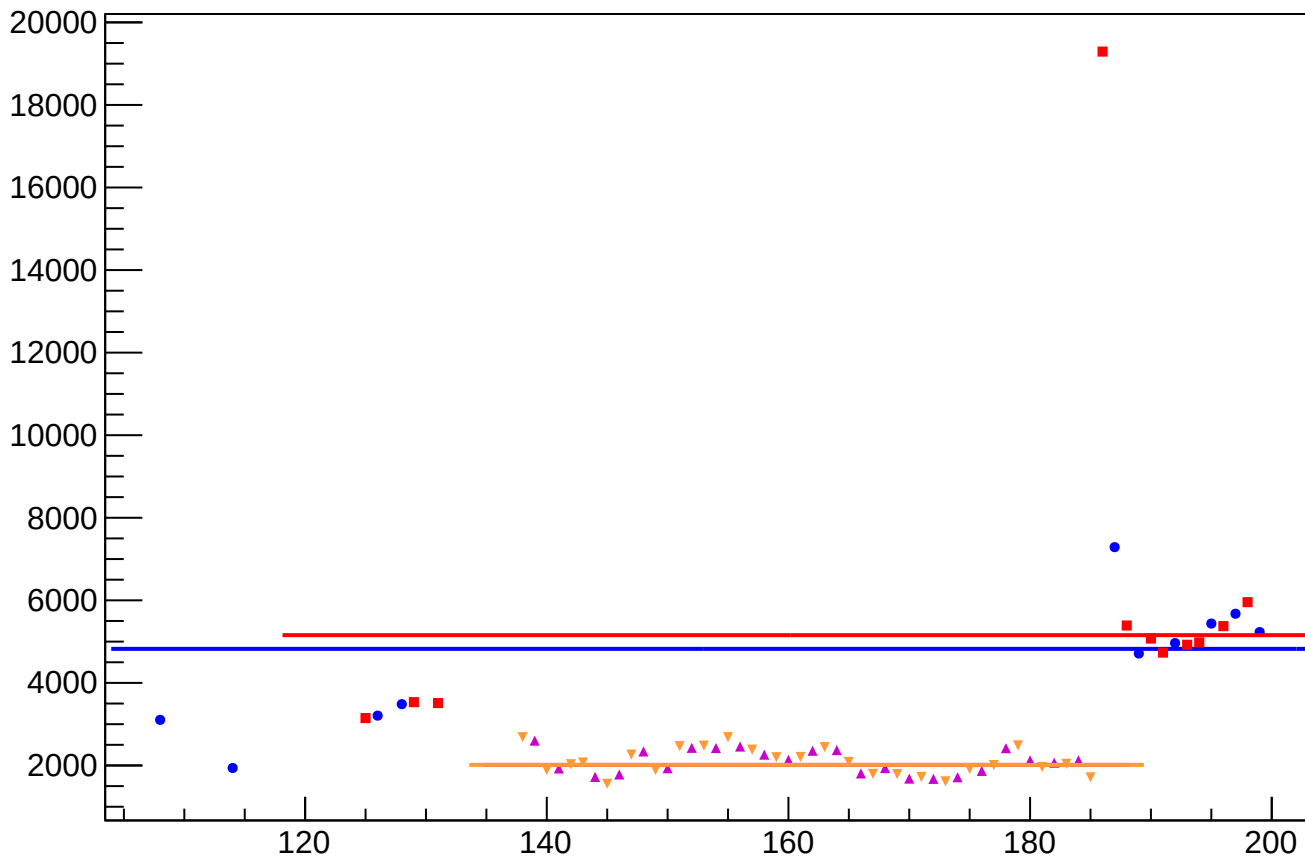
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2371.931 ± 466.512 χ^2/NDF : 57.4/34

All: -1519.594 ± 333.565 χ^2/NDF : 100.9/68

- sign -628.017 ± 477.130 χ^2/NDF : 36.7/33

asym_sam4_correction_rms vs Slug



Right In: 4824.467+/-1.720 χ^2/NDF : 382047.5/9

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 5156.515+/-1.647 χ^2/NDF : 532763.8/10

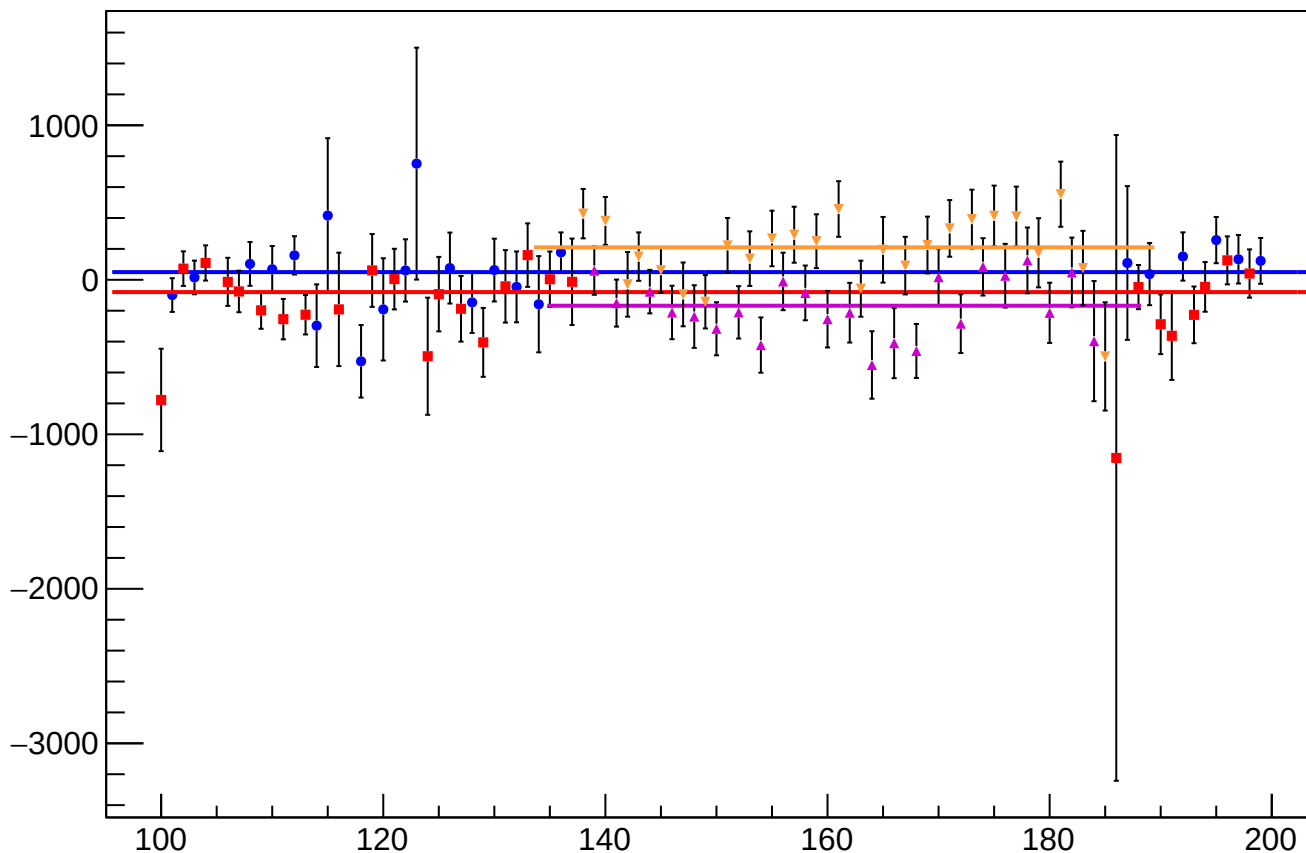
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2117.473+/-0.330 χ^2/NDF : 3789131.6/34

All: 2130.986+/-0.236 χ^2/NDF : 8476306.8/68

- sign 2145.121+/-0.337 χ^2/NDF : 4683741.9/33

reg_asym_sam5_mean vs Slug



Right In: 49.757 ± 36.332 $\chi^2/\text{NDF}: 18.0/22$

Left Out: 210.086 ± 37.093 $\chi^2/\text{NDF}: 27.5/24$

Right Out: -79.577 ± 33.424 $\chi^2/\text{NDF}: 24.6/26$

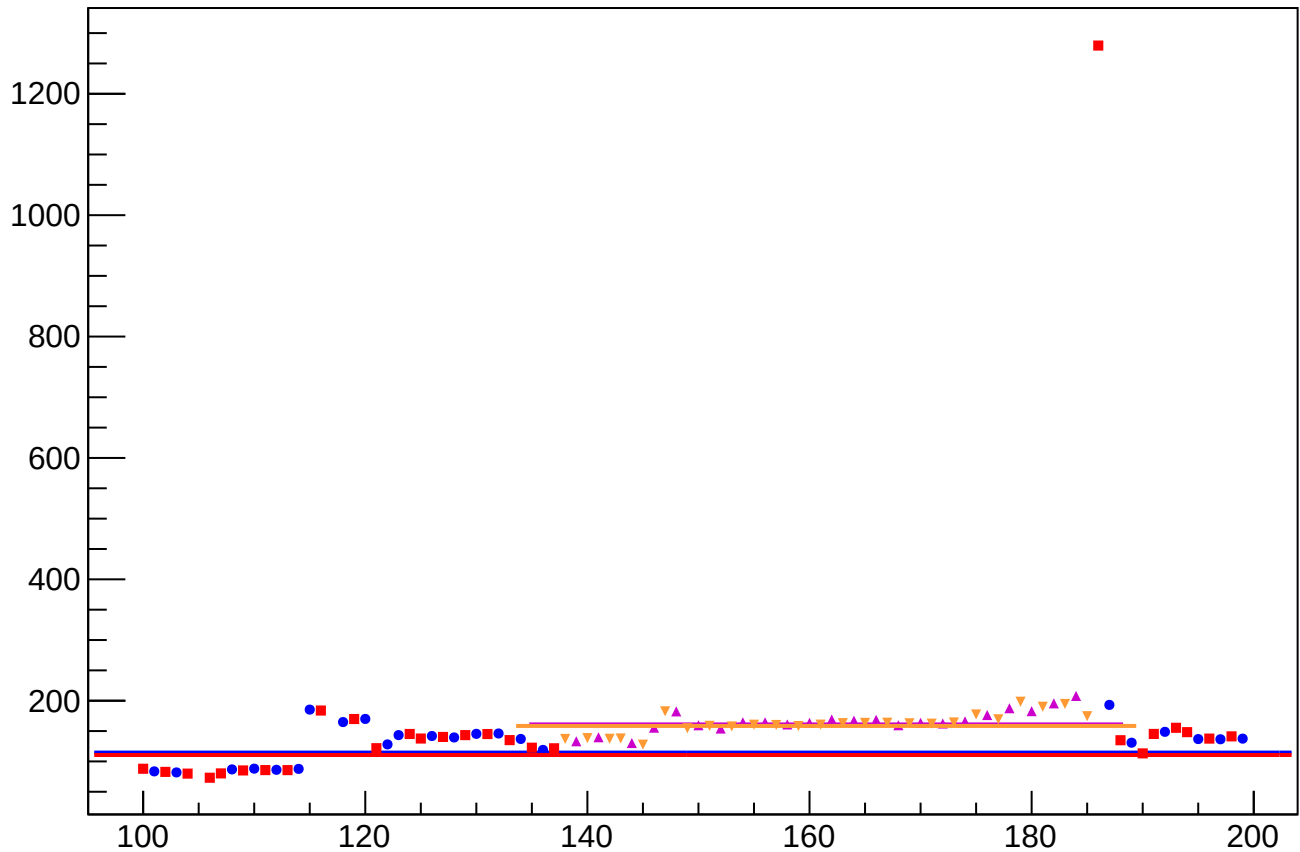
Left In: -167.822 ± 38.718 $\chi^2/\text{NDF}: 21.1/22$

+ sign 128.258 ± 25.955 $\chi^2/\text{NDF}: 55.1/47$

All: 2.363 ± 18.117 $\chi^2/\text{NDF}: 149.7/97$

- sign -117.259 ± 25.300 $\chi^2/\text{NDF}: 48.8/49$

reg_asym_sam5_rms vs Slug



Right In: 114.536 $\pm$ 0.026 χ^2 /NDF: 1252247.0/22

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 110.547 $\pm$ 0.024 χ^2 /NDF: 2235991.4/26

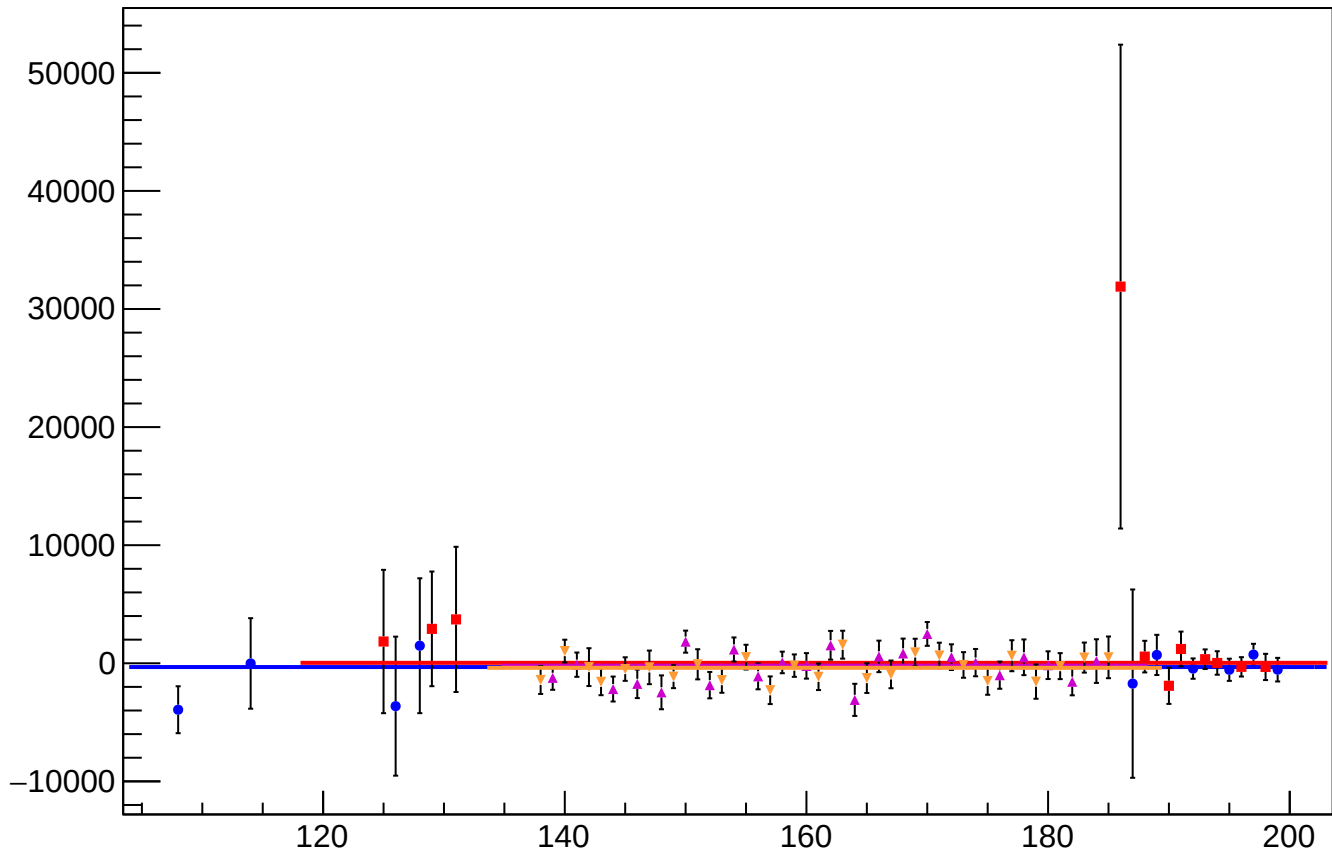
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 136.033 $\pm$ 0.018 χ^2 /NDF: 3116532.8/47

All: 134.000 $\pm$ 0.013 χ^2 /NDF: 7698001.7/97

- sign 132.069 $\pm$ 0.018 χ^2 /NDF: 4557546.4/49

asym_sam5_correction_mean vs Slug



Right In: -319.537 $\pm$ 429.447 χ^2 /NDF: 5.6/9

Left Out: -385.018 $\pm$ 231.833 χ^2 /NDF:18.1/24

Right Out: 37.059 $\pm$ 398.260 χ^2 /NDF: 6.0/10

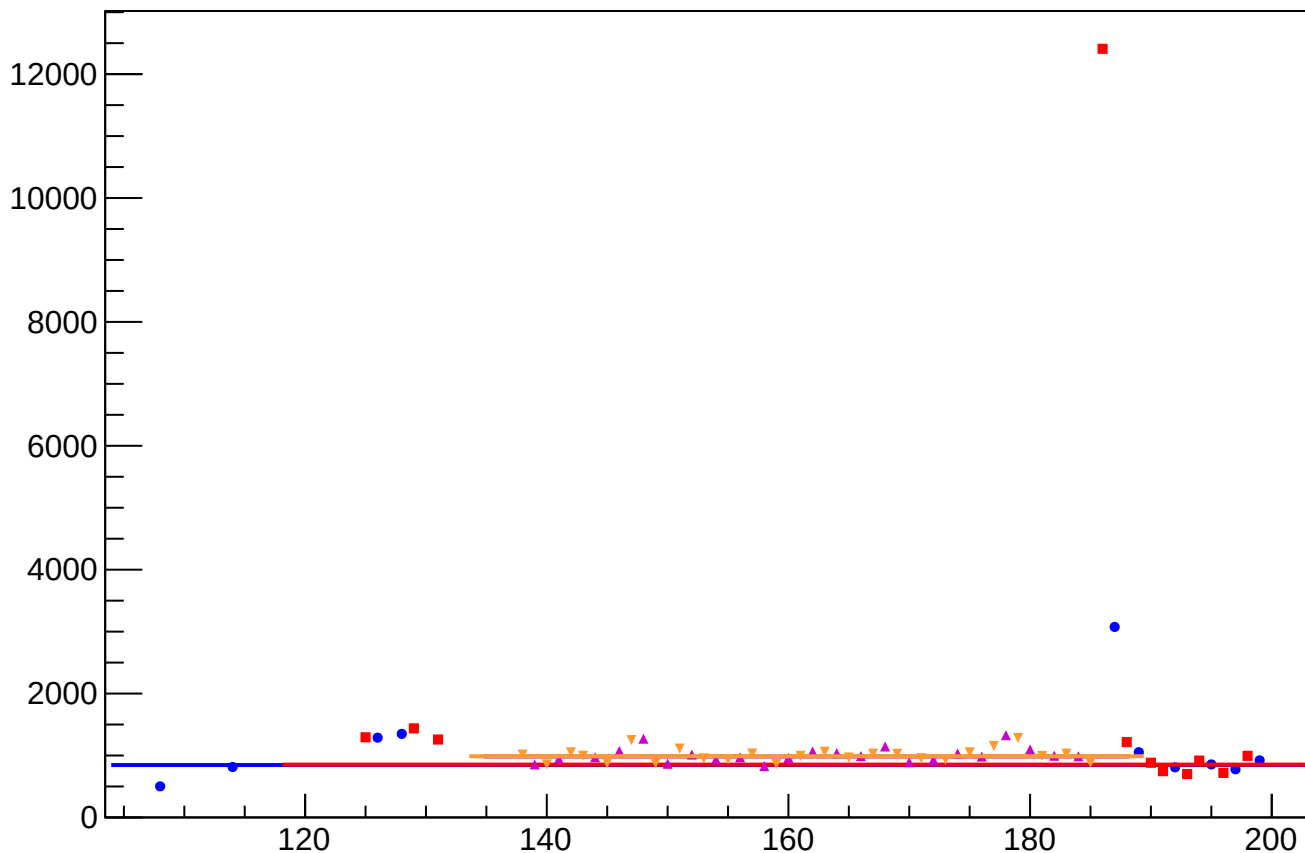
Left In: -202.234 $\pm$ 237.460 χ^2 /NDF:35.5/22

+ sign -370.242 $\pm$ 204.005 χ^2 /NDF: 23.7/34

All: -254.831 $\pm$ 144.236 χ^2 /NDF: 66.1/68

- sign -139.475 $\pm$ 203.957 χ^2 /NDF: 41.8/33

asym_sam5_correction_rms vs Slug



Right In: 846.285+/-0.304 χ^2/NDF : 299604.5/9

Left Out: 987.869+/-0.164 χ^2/NDF : 376958.5/24

Right Out: 853.147+/-0.282 χ^2/NDF : 1005325.7/10

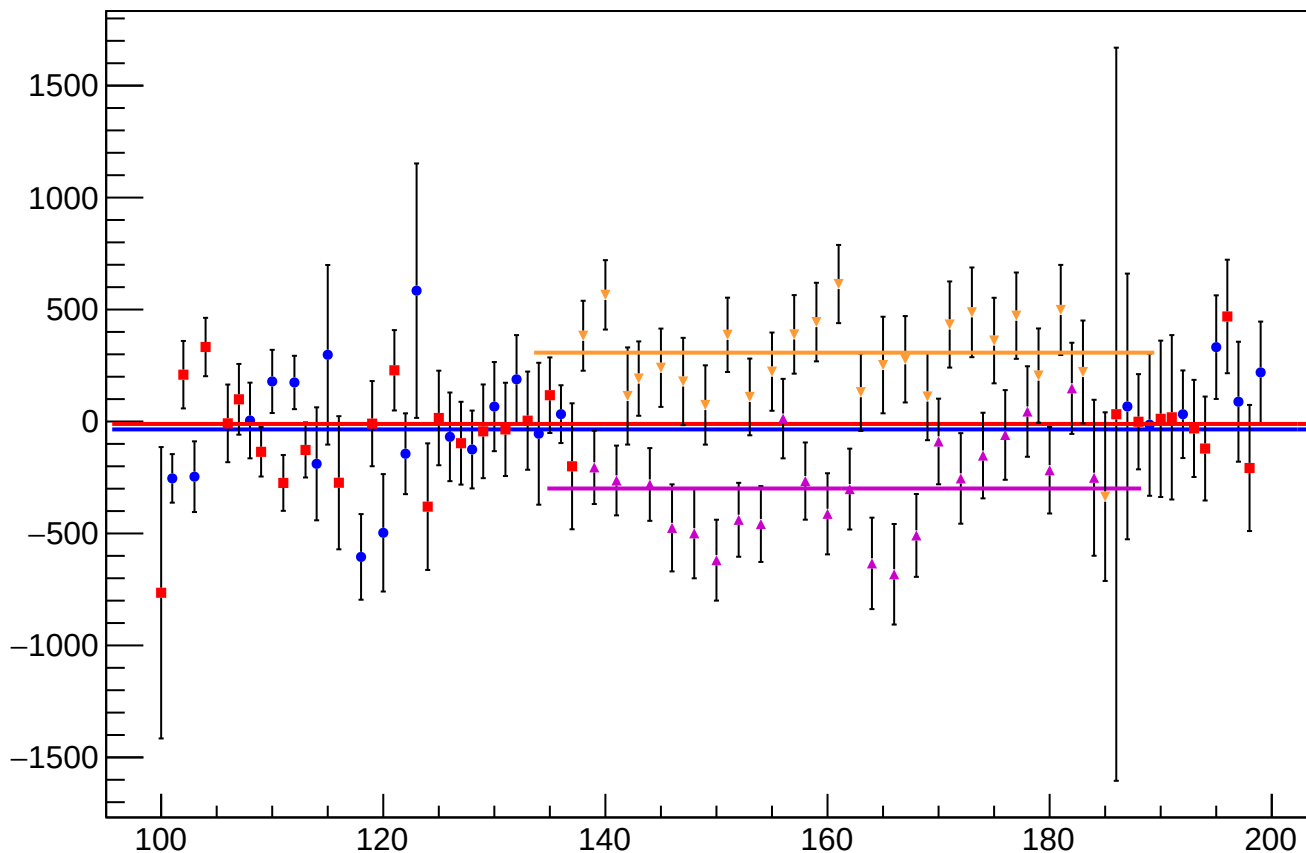
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 955.918+/-0.144 χ^2/NDF : 844896.8/34

All: 952.760+/-0.102 χ^2/NDF : 2426467.7/68

- sign 949.603+/-0.144 χ^2/NDF : 1580612.2/33

reg_asym_sam6_mean vs Slug



Right In: -35.307 ± 39.259 $\chi^2/\text{NDF}: 32.2/22$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: -10.904 ± 36.613 $\chi^2/\text{NDF}: 27.4/26$

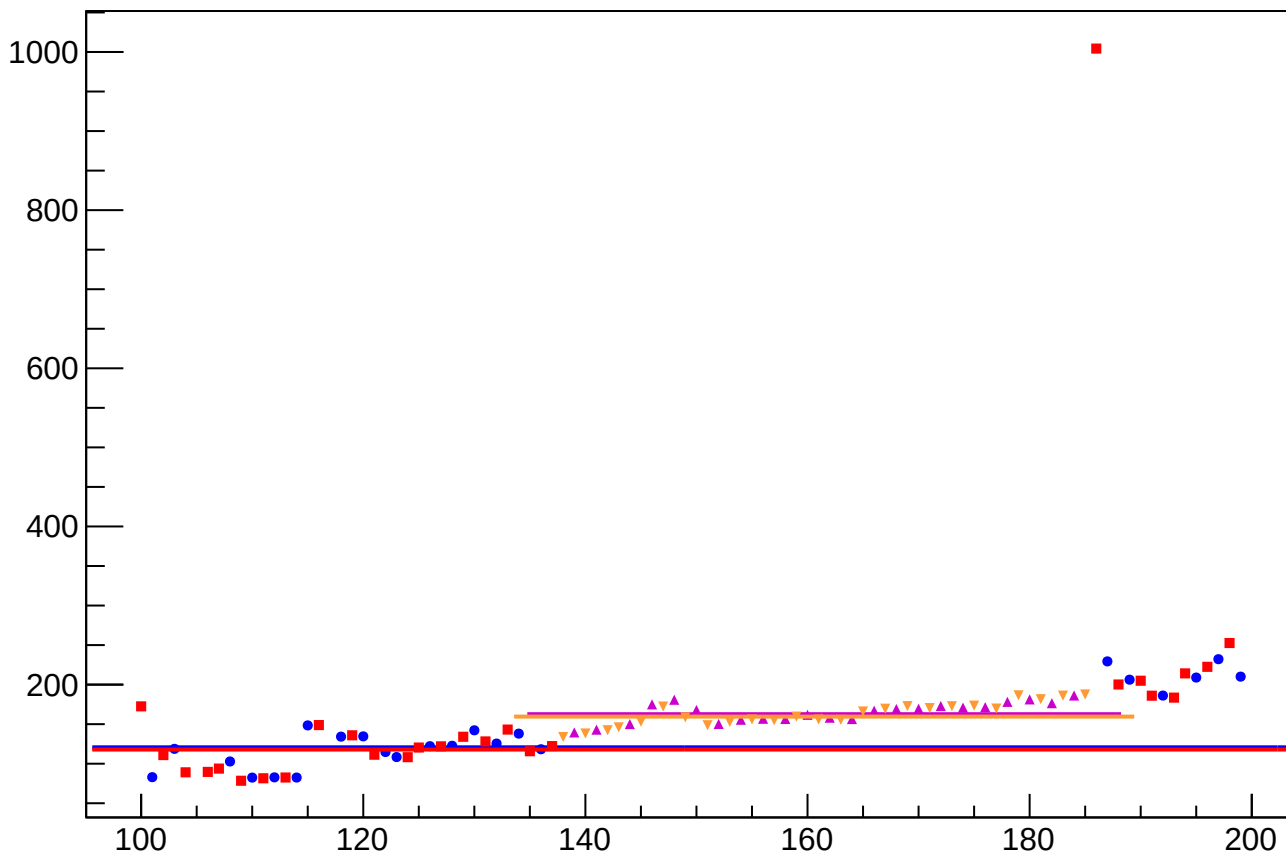
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 144.957 ± 27.033 $\chi^2/\text{NDF}: 92.9/47$

All: -2.304 ± 18.995 $\chi^2/\text{NDF}: 236.6/97$

- sign -145.922 ± 26.696 $\chi^2/\text{NDF}: 85.0/49$

reg_asym_sam6_rms vs Slug



Right In: 120.716+/-0.028 χ^2/NDF : 2104108.6/22

Left Out: 159.568+/-0.026 χ^2/NDF : 287744.2/24

Right Out: 117.892+/-0.026 χ^2/NDF : 3300903.0/26

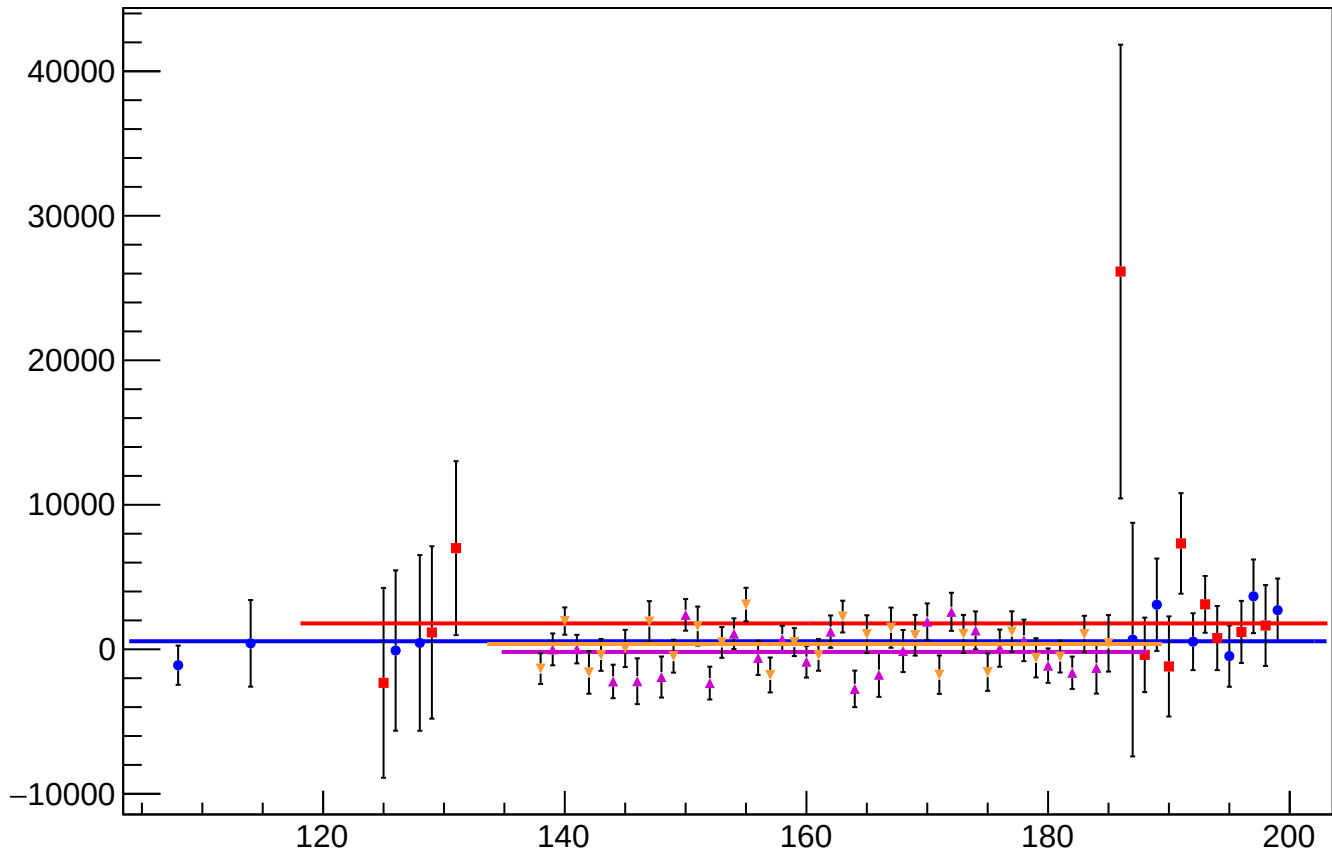
Left In: 162.606+/-0.028 χ^2/NDF : 199542.3/22

+ sign 141.147+/-0.019 χ^2/NDF : 3421923.5/47

All: 139.976+/-0.013 χ^2/NDF : 8326907.1/97

- sign 138.833+/-0.019 χ^2/NDF : 4897565.9/49

asym_sam6_correction_mean vs Slug



Right In: 557.633 $\pm$ 773.895 χ^2 /NDF: 4.8/9

Left Out: 370.001 $\pm$ 243.521 χ^2 /NDF:30.5/24

Right Out: 1792.553 $\pm$ 910.663 χ^2 /NDF: 8.3/10

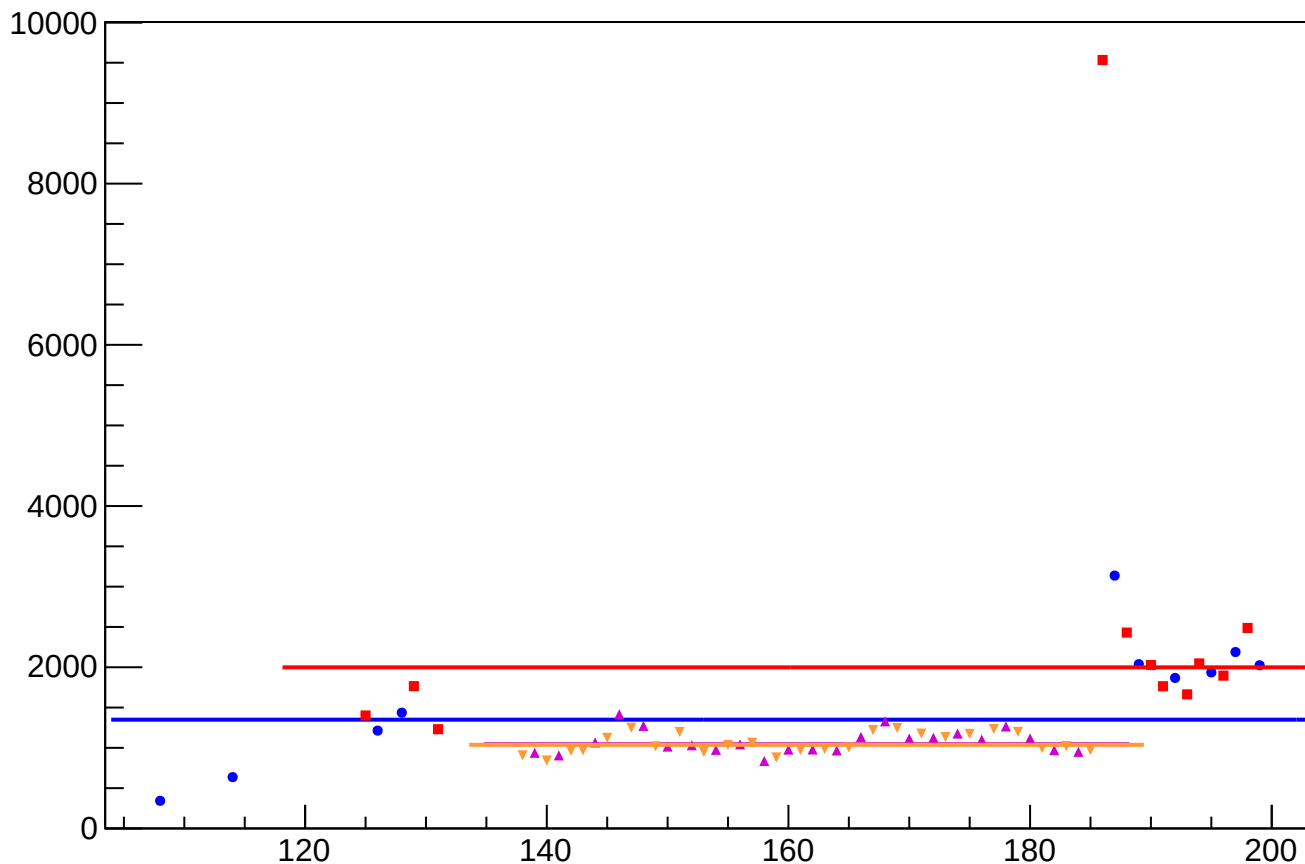
Left In: -183.107 $\pm$ 252.258 χ^2 /NDF:36.5/22

+ sign 386.906 $\pm$ 232.292 χ^2 /NDF: 35.4/34

All: 182.053 $\pm$ 167.947 χ^2 /NDF: 86.1/68

- sign -42.314 $\pm$ 243.104 χ^2 /NDF: 49.1/33

asym_sam6_correction_rms vs Slug



Right In: 1349.680+/-0.547 χ^2/NDF : 2104386.0/9

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1998.875+/-0.644 χ^2/NDF : 702764.5/10

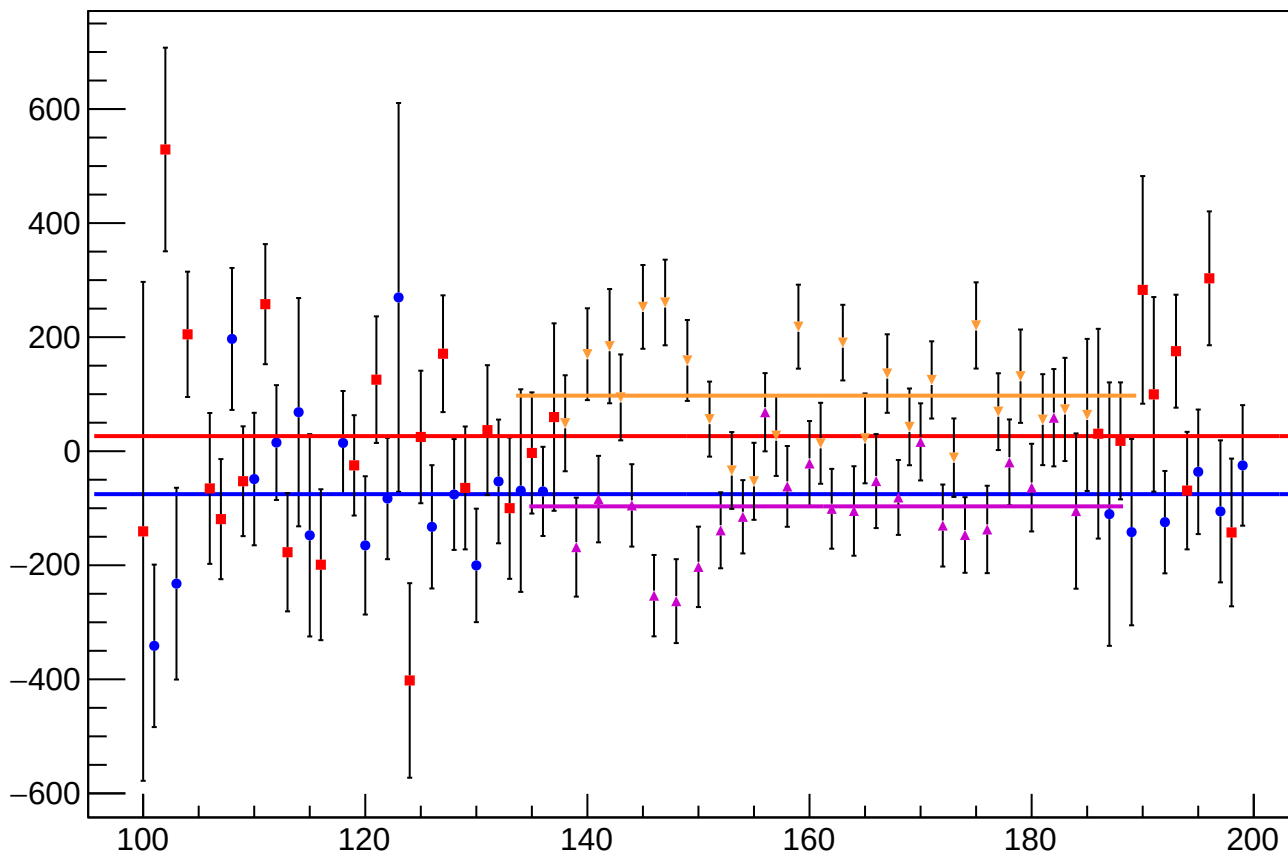
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1065.798+/-0.164 χ^2/NDF : 2895131.4/34

All: 1088.202+/-0.119 χ^2/NDF : 6219214.2/68

- sign 1112.740+/-0.172 χ^2/NDF : 3285101.8/33

reg_asym_sam7_mean vs Slug



Right In: -75.291 ± 24.582 χ^2/NDF : 16.0/22

Left Out: 97.445 ± 14.880 χ^2/NDF : 36.0/24

Right Out: 26.478 ± 22.969 χ^2/NDF : 48.9/26

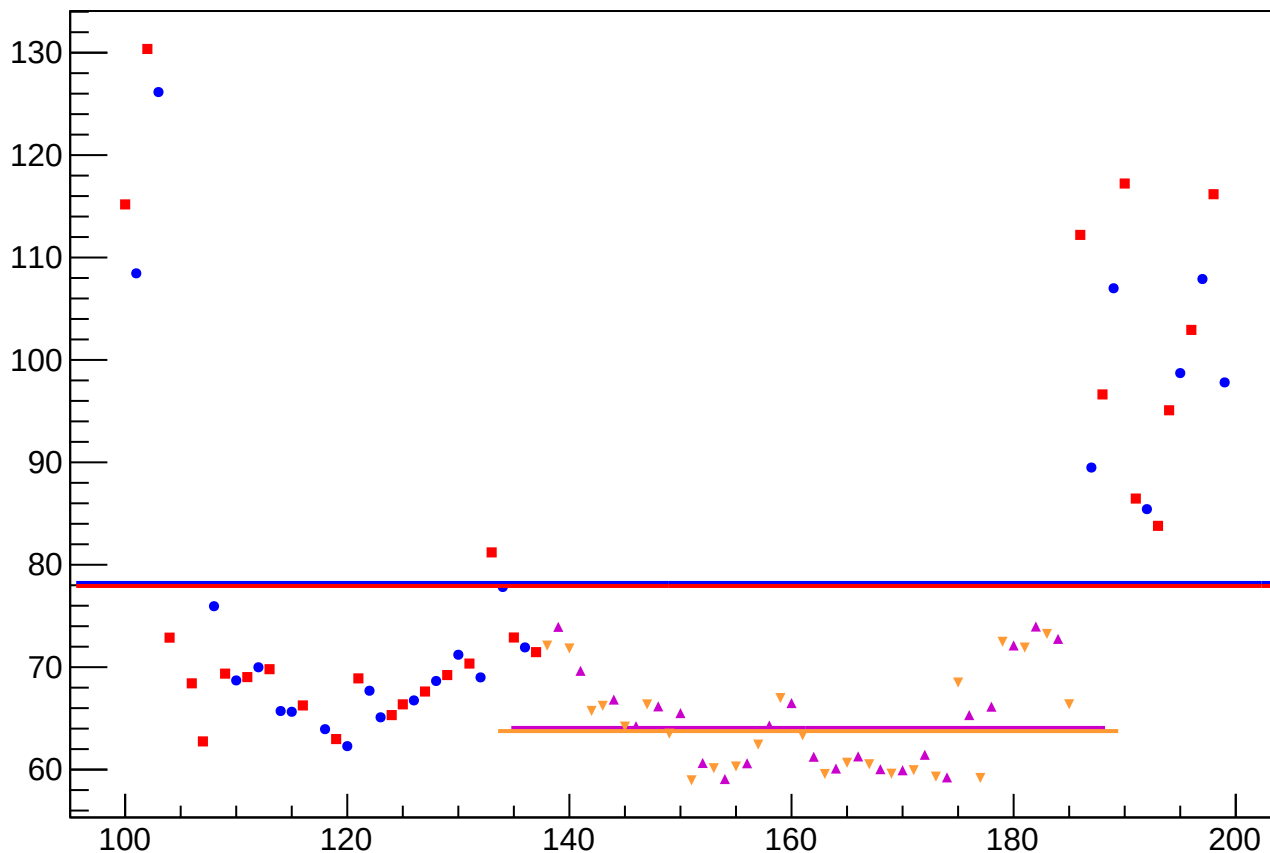
Left In: -96.704 ± 15.369 χ^2/NDF : 29.2/22

+ sign 51.125 ± 12.729 χ^2/NDF : 88.2/47

All: -3.551 ± 9.017 χ^2/NDF : 223.2/97

- sign -58.609 ± 12.774 χ^2/NDF : 98.0/49

reg_asym_sam7_rms vs Slug



Right In: 78.224 ± 0.017 χ^2/NDF : 815669.2/22

Left Out: 63.761 ± 0.011 χ^2/NDF : 192803.8/24

Right Out: 77.929 ± 0.016 χ^2/NDF : 1000006.9/26

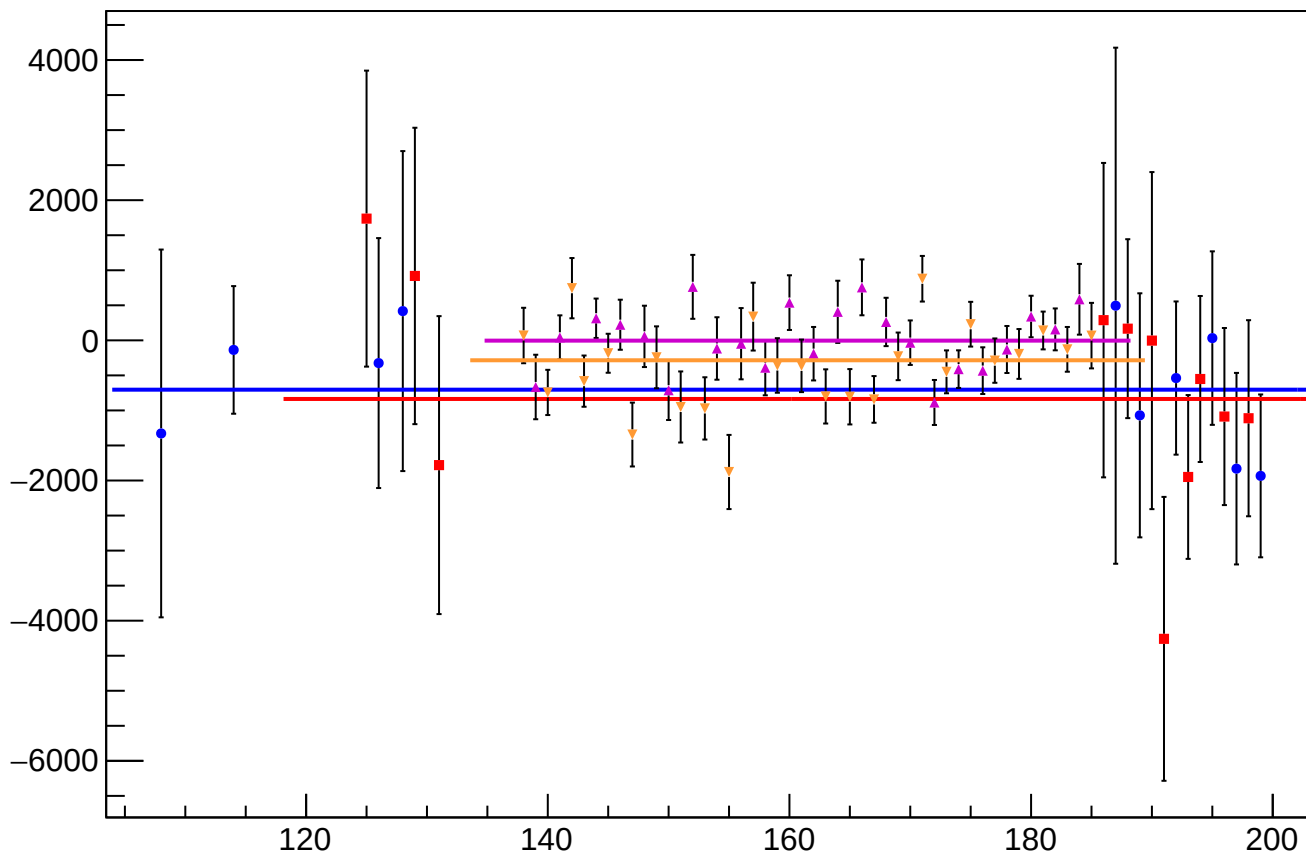
Left In: 64.069 ± 0.011 χ^2/NDF : 164660.4/22

+ sign 67.639 ± 0.009 χ^2/NDF : 1515178.4/47

All: 67.996 ± 0.006 χ^2/NDF : 3186066.9/97

- sign 68.355 ± 0.009 χ^2/NDF : 1667738.5/49

asym_sam7_correction_mean vs Slug



Right In: -703.828 $\pm$ 445.996 χ^2/NDF : 3.1/9

Left Out: -284.304 $\pm$ 72.732 χ^2/NDF : 55.1/24

Right Out: -836.334 $\pm$ 472.426 χ^2/NDF : 7.3/10

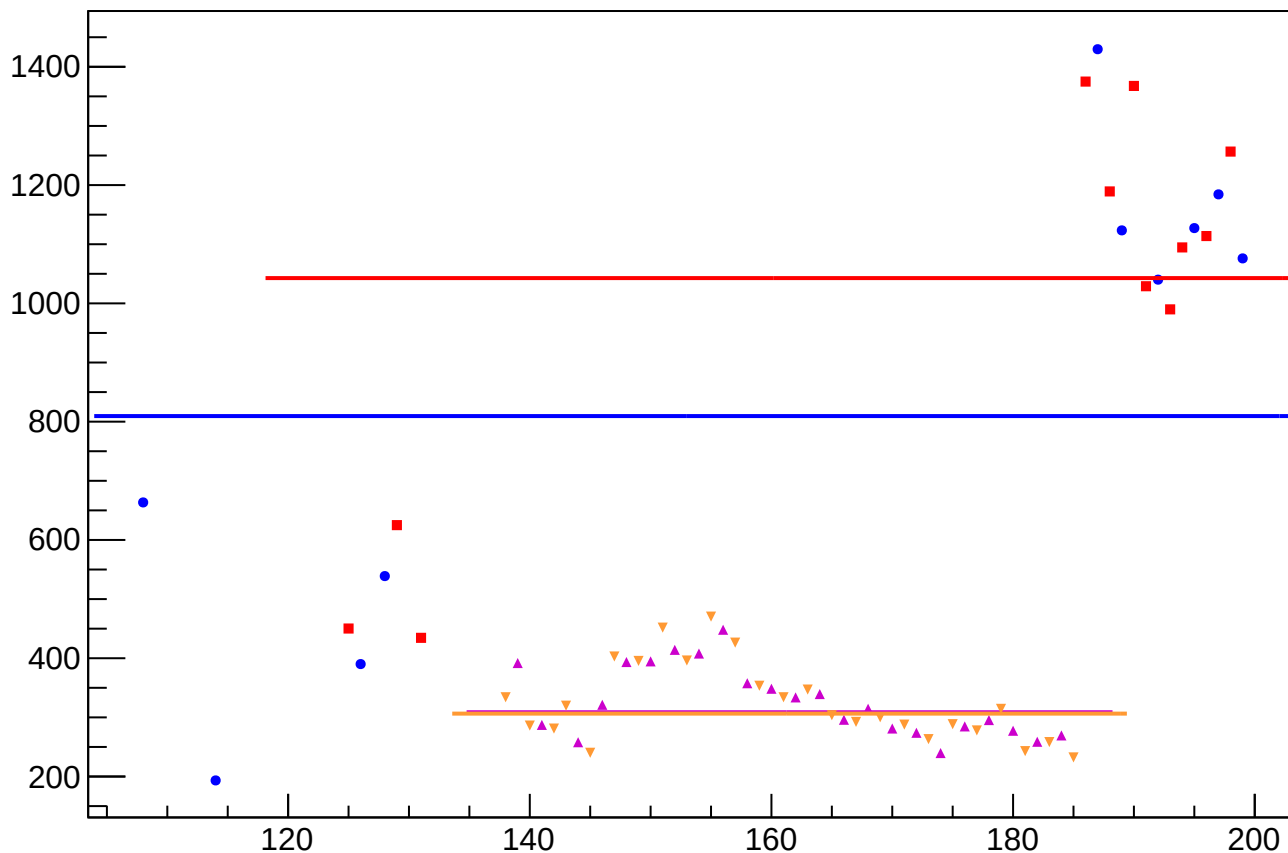
Left In: -4.037 $\pm$ 75.084 χ^2/NDF : 32.4/22

+ sign -295.172 $\pm$ 71.784 χ^2/NDF : 59.0/34

All: -164.250 $\pm$ 51.576 χ^2/NDF : 108.5/68

- sign -24.542 $\pm$ 74.154 χ^2/NDF : 42.6/33

asym_sam7_correction_rms vs Slug



Right In: 809.451+/-0.315 χ^2/NDF : 1658914.9/9

Left Out: 306.363+/-0.051 χ^2/NDF : 1215669.9/24

Right Out: 1042.747+/-0.334 χ^2/NDF : 567062.5/10

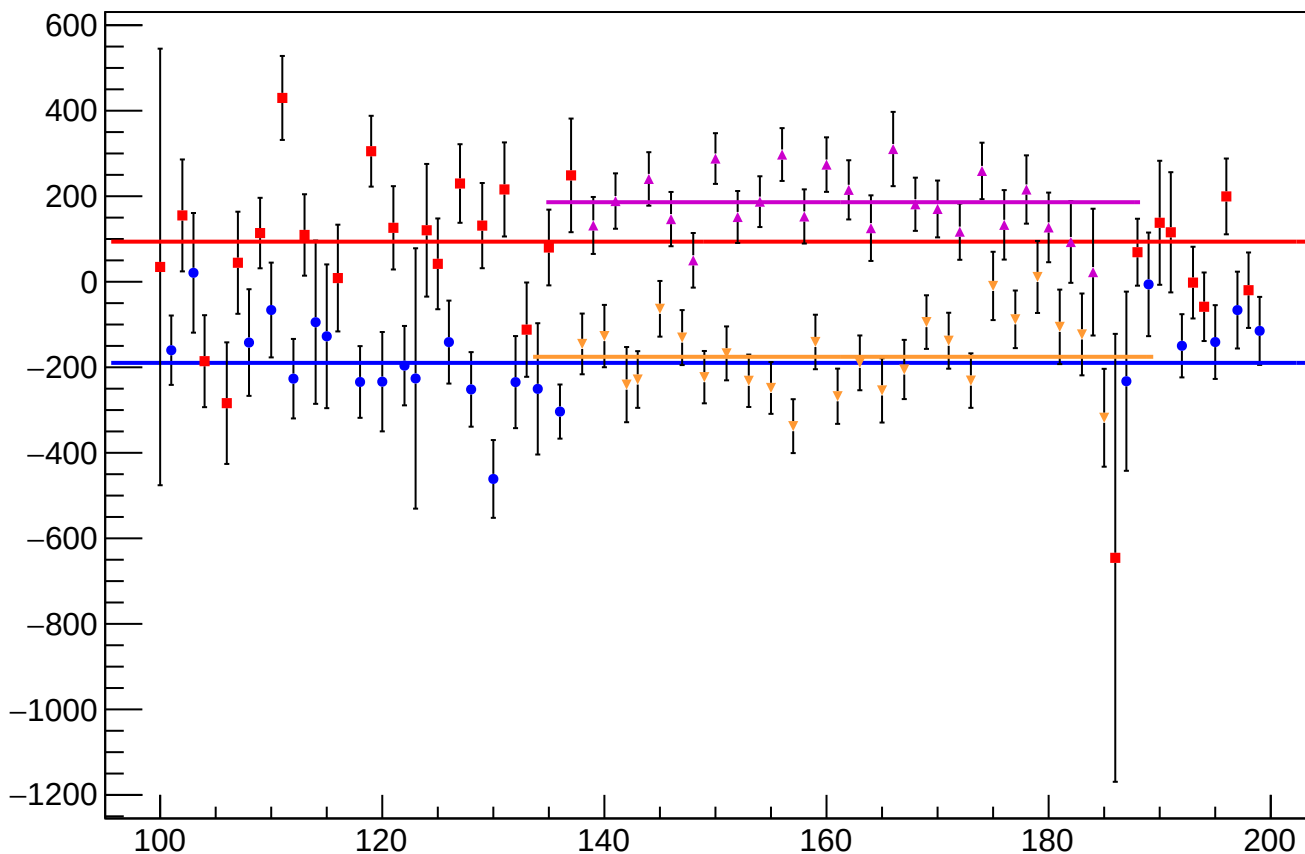
Left In: 308.727+/-0.053 χ^2/NDF : 1002947.4/22

+ sign 319.396+/-0.051 χ^2/NDF : 5353474.7/34

All: 322.983+/-0.036 χ^2/NDF : 11642970.9/68

- sign 326.811+/-0.052 χ^2/NDF : 6279171.8/33

reg_asym_sam8_mean vs Slug



Right In: -189.670 ± 20.860 χ^2/NDF : 23.7/22

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 93.786 ± 20.152 χ^2/NDF : 52.0/26

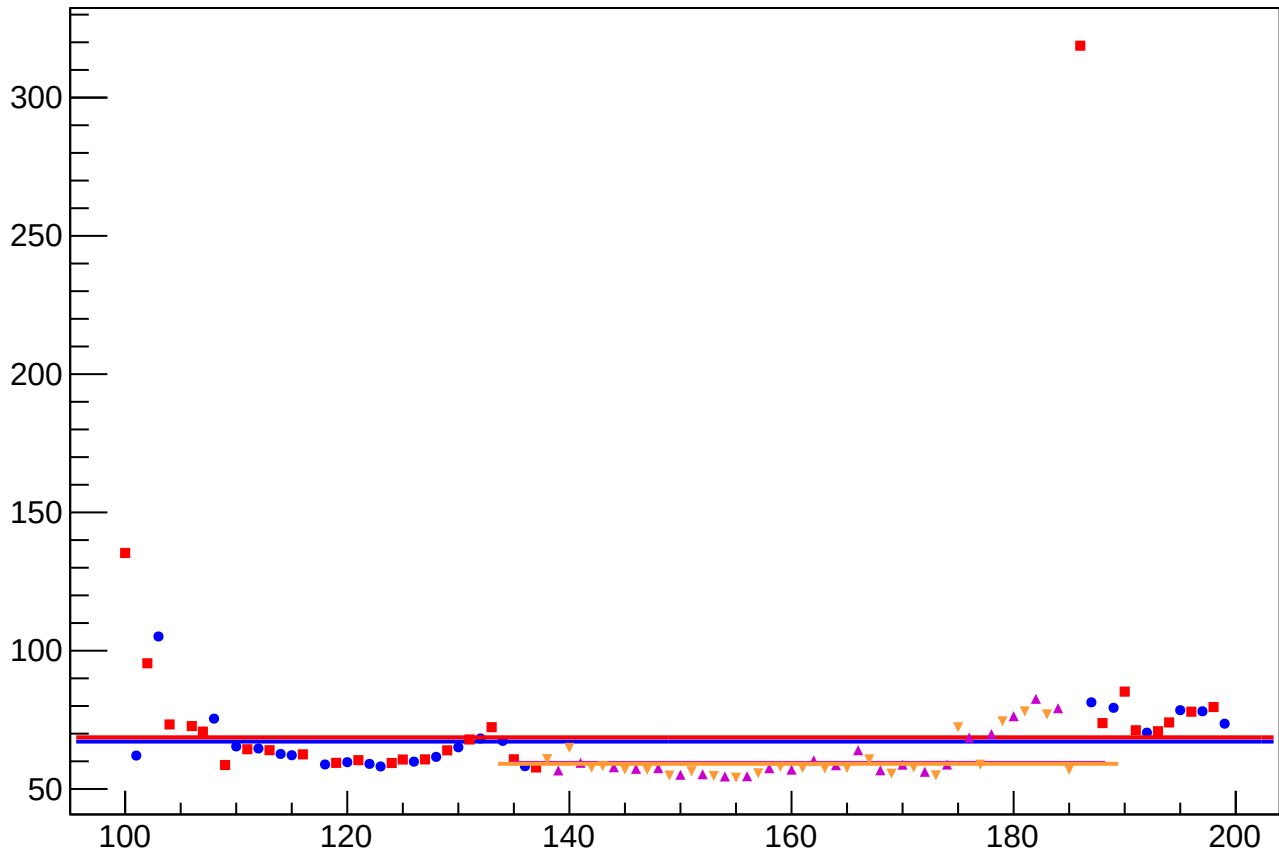
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -179.813 ± 11.536 χ^2/NDF : 58.7/47

All: -14.298 ± 8.204 χ^2/NDF : 564.8/97

- sign 155.104 ± 11.670 χ^2/NDF : 89.5/49

reg_asym_sam8_rms vs Slug



Right In: 67.144+/-0.015 χ^2/NDF : 384465.2/22

Left Out: 59.099+/-0.010 χ^2/NDF : 369788.6/24

Right Out: 68.683+/-0.014 χ^2/NDF : 830570.9/26

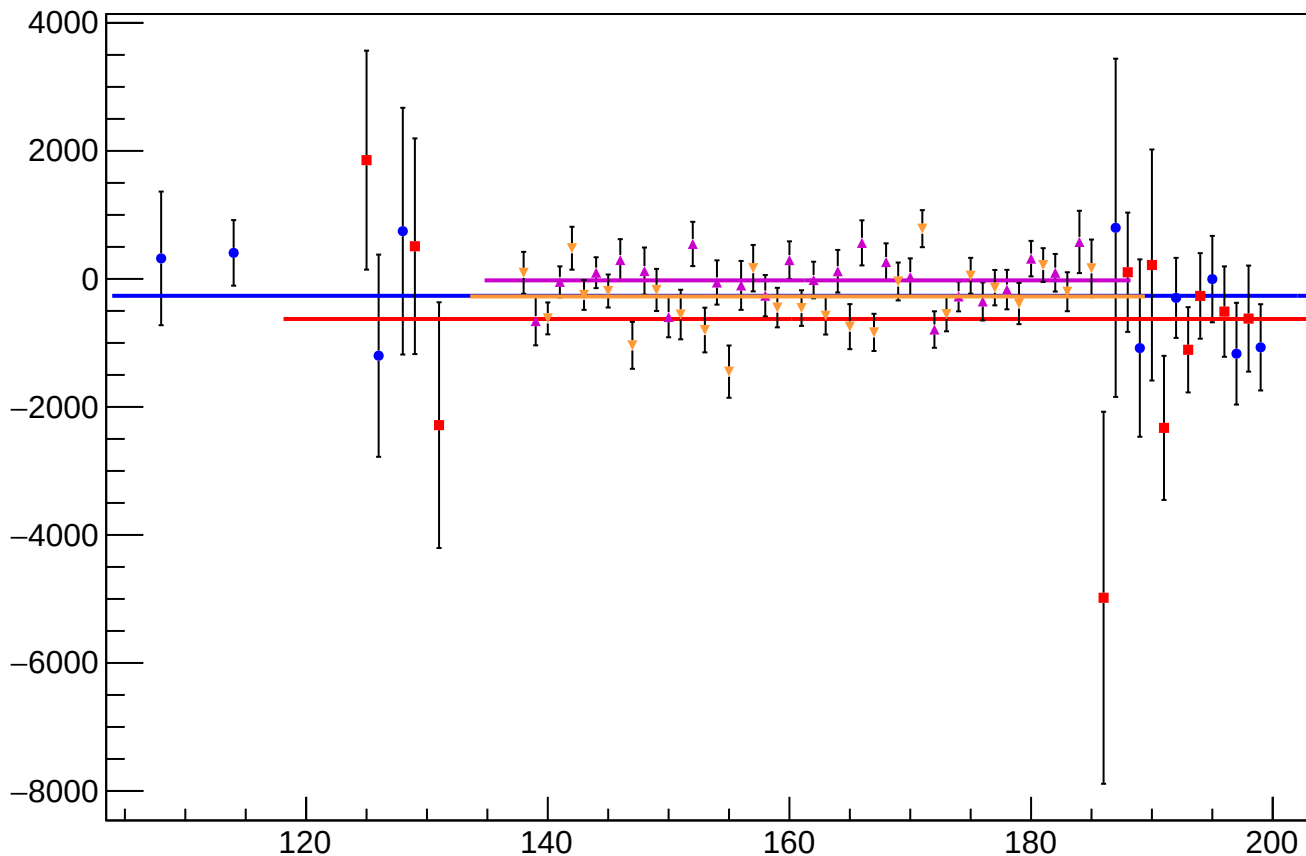
Left In: 59.410+/-0.010 χ^2/NDF : 373052.7/22

+ sign 61.560+/-0.008 χ^2/NDF : 960729.7/47

All: 62.034+/-0.006 χ^2/NDF : 2452631.5/97

- sign 62.520+/-0.008 χ^2/NDF : 1485047.6/49

asym_sam8_correction_mean vs Slug



Right In: -263.806 ± 261.726 χ^2/NDF : 6.0/9

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -625.830 ± 297.663 χ^2/NDF : 9.5/10

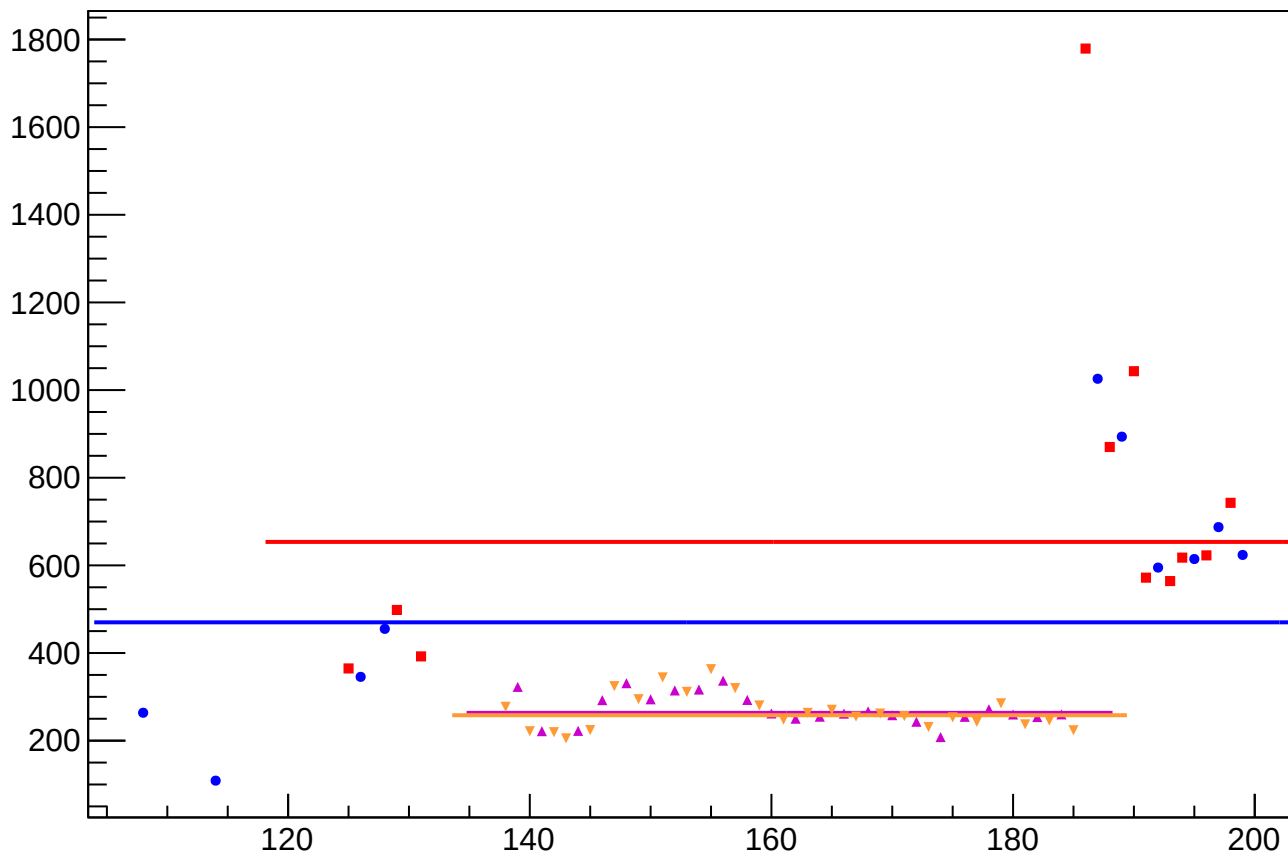
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -273.564 ± 59.222 χ^2/NDF : 59.9/34

All: -166.851 ± 42.902 χ^2/NDF : 109.1/68

- sign -49.000 ± 62.236 χ^2/NDF : 42.3/33

asym_sam8_correction_rms vs Slug



Right In: 470.020 $\pm$ 0.185 χ^2 /NDF: 1785475.0/9

Left Out: 258.040 $\pm$ 0.043 χ^2 /NDF: 724823.3/24

Right Out: 653.546 $\pm$ 0.210 χ^2 /NDF: 691471.1/10

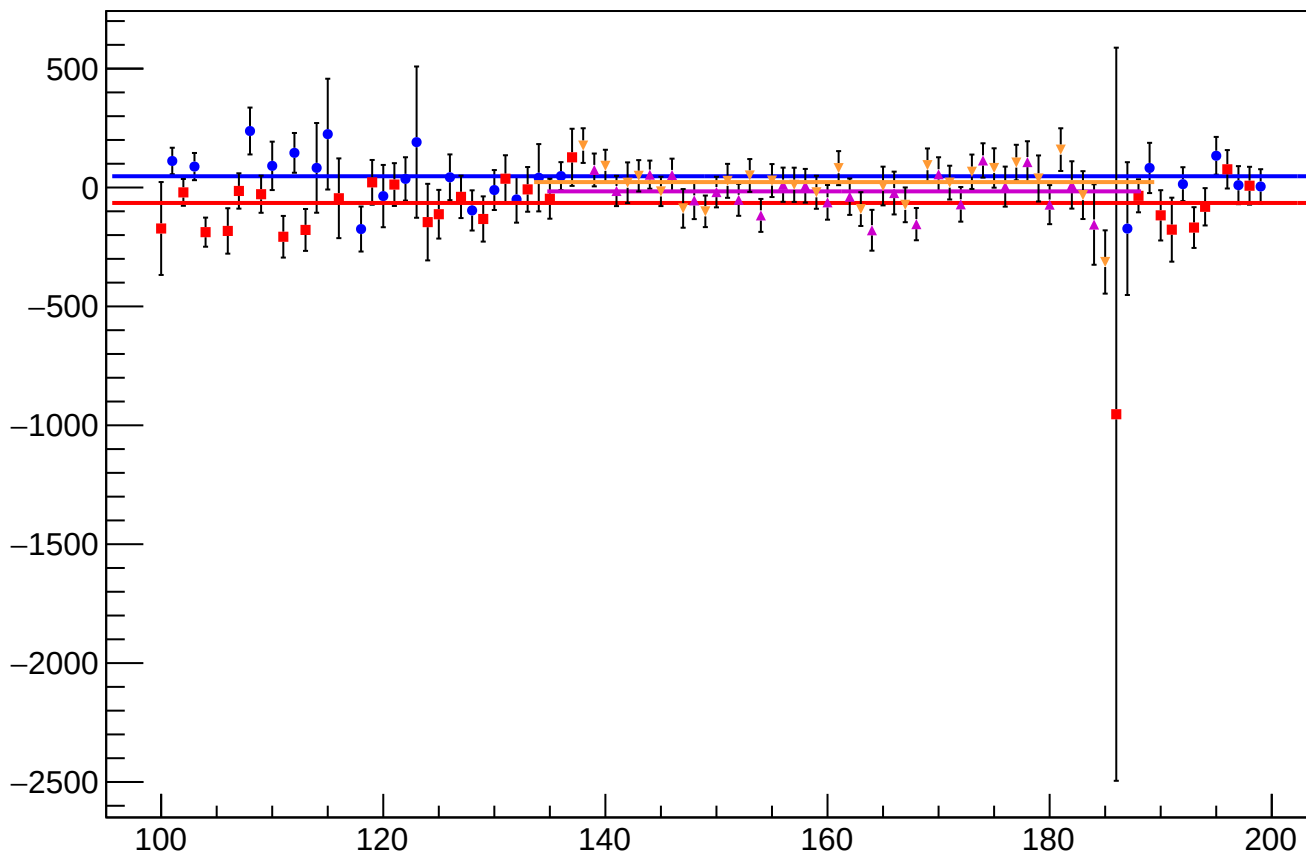
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 268.894 $\pm$ 0.042 χ^2 /NDF: 3755094.7/34

All: 274.386 $\pm$ 0.030 χ^2 /NDF: 8354076.1/68

- sign 280.452 $\pm$ 0.044 χ^2 /NDF: 4562777.6/33

reg_asym_sam_15_avg_mean vs Slug



Right In: 47.410 ± 18.387 χ^2/NDF : 20.9/22

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -64.950 ± 17.266 χ^2/NDF : 25.0/26

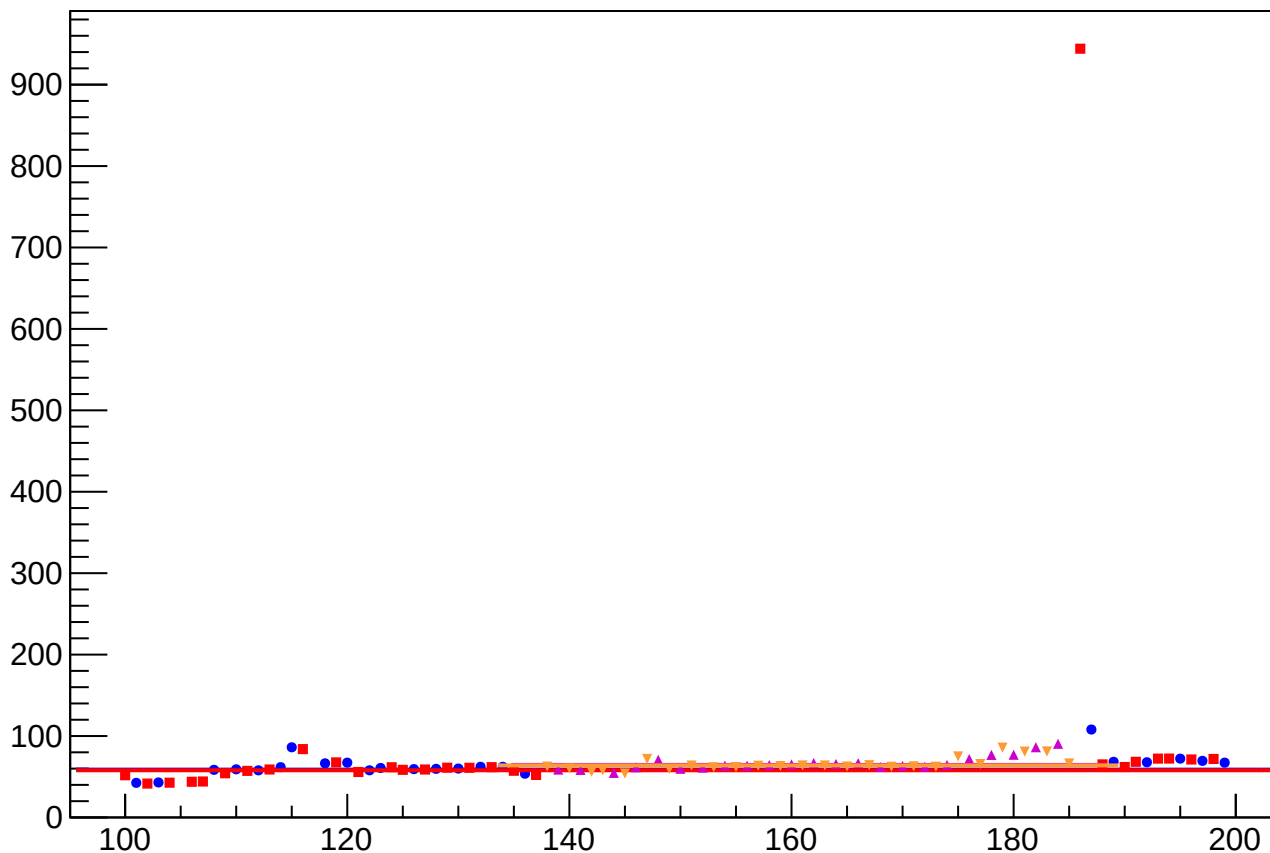
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 32.651 ± 11.608 χ^2/NDF : 51.0/47

All: -2.862 ± 8.186 χ^2/NDF : 122.3/97

- sign -38.002 ± 11.547 χ^2/NDF : 52.7/49

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.706 $\pm$ 0.013 χ^2 /NDF: 624470.2/22

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 57.952 $\pm$ 0.012 χ^2 /NDF: 1430333.4/26

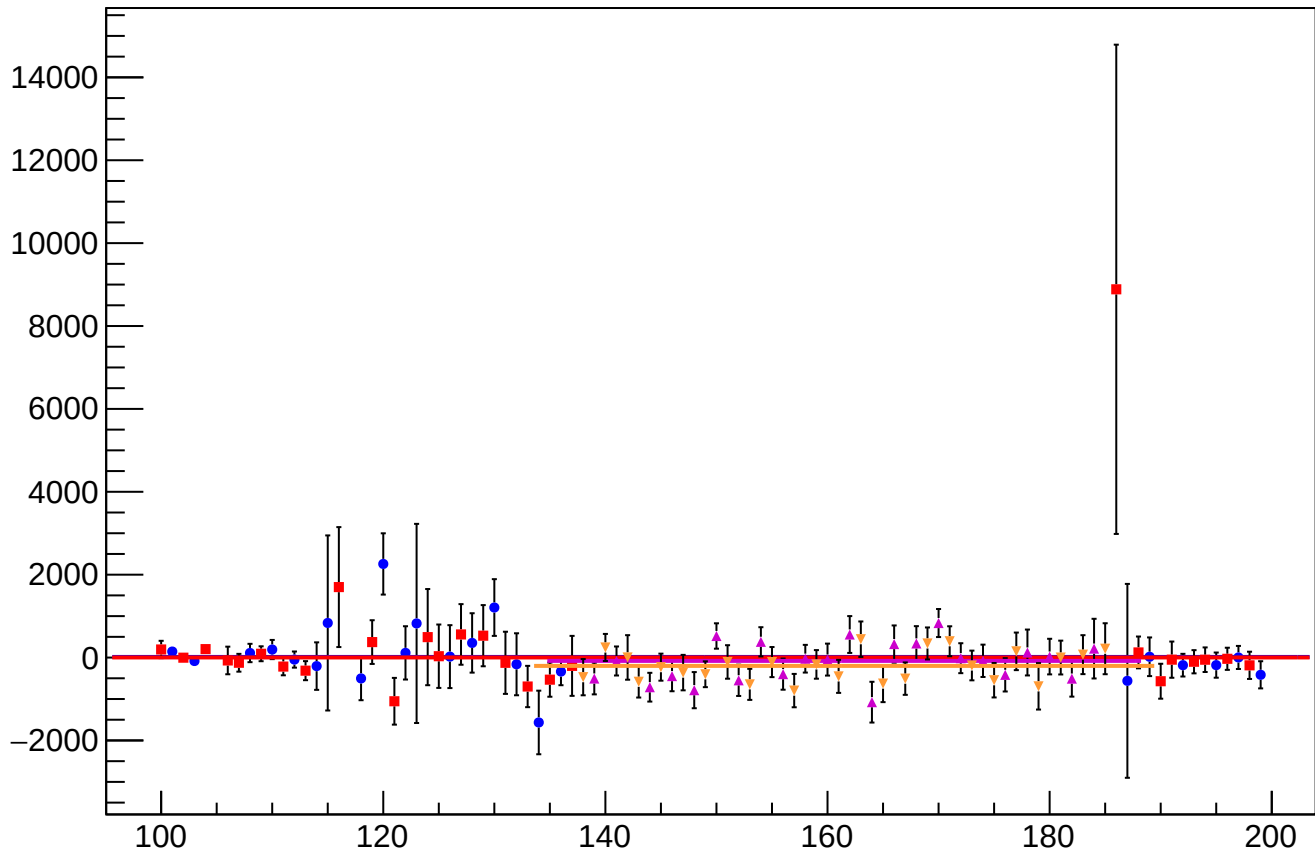
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.842 $\pm$ 0.008 χ^2 /NDF: 1116602.4/47

All: 61.709 $\pm$ 0.006 χ^2 /NDF: 3077524.7/97

- sign 61.577 $\pm$ 0.008 χ^2 /NDF: 1960399.7/49

asym_sam_15_avg_correction_mean vs Slug



Right In: 14.959 ± 48.374 χ^2/NDF : 26.8/22

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: 2.706 ± 48.955 χ^2/NDF : 23.7/26

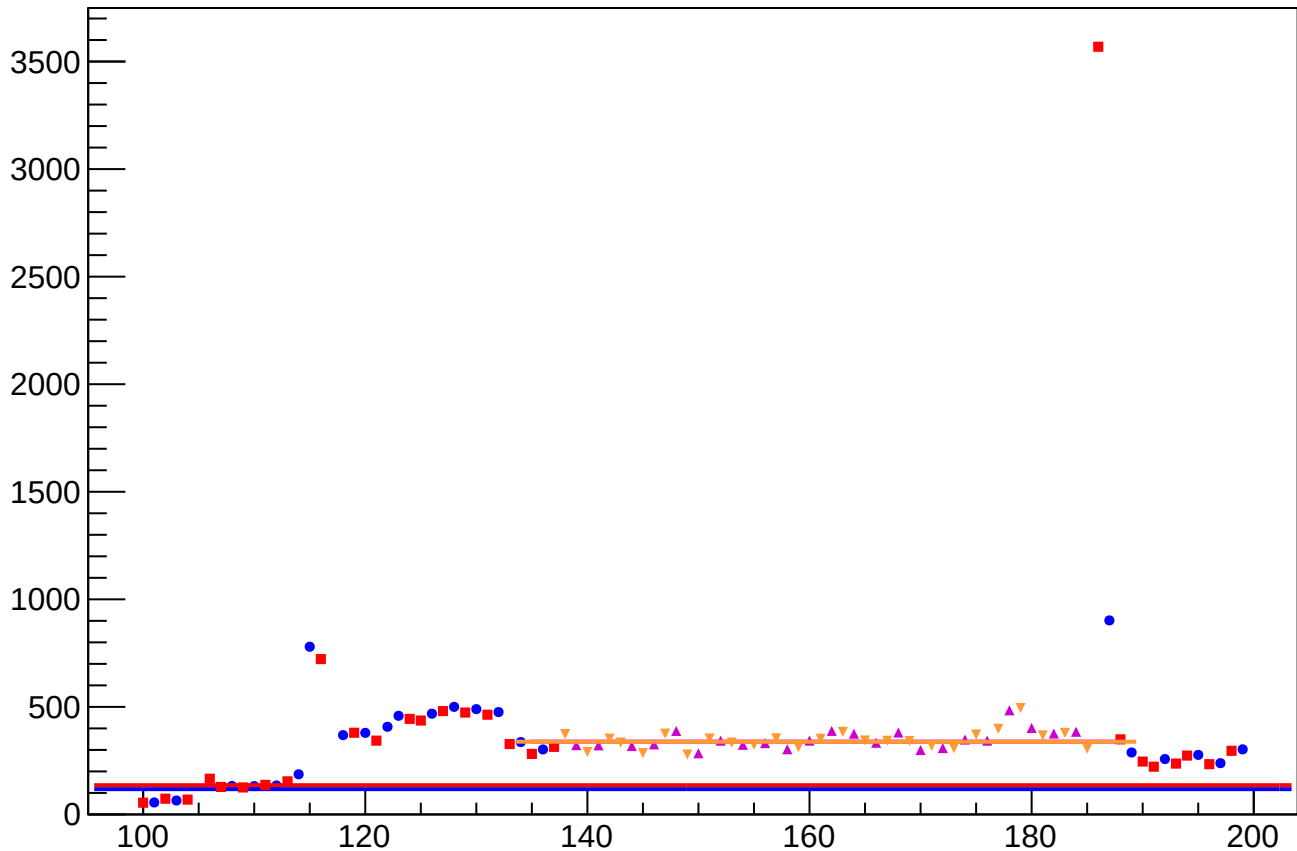
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -43.364 ± 41.332 χ^2/NDF : 51.8/47

All: -31.432 ± 29.461 χ^2/NDF : 109.8/97

- sign -19.108 ± 42.005 χ^2/NDF : 57.8/49

asym_sam_15_avg_correction_rms vs Slug



Right In: 117.645 $\pm$ 0.034 χ^2 /NDF: 8702548.8/22

Left Out: 338.130 $\pm$ 0.056 χ^2 /NDF: 498601.7/24

Right Out: 136.108 $\pm$ 0.035 χ^2 /NDF: 8340859.6/26

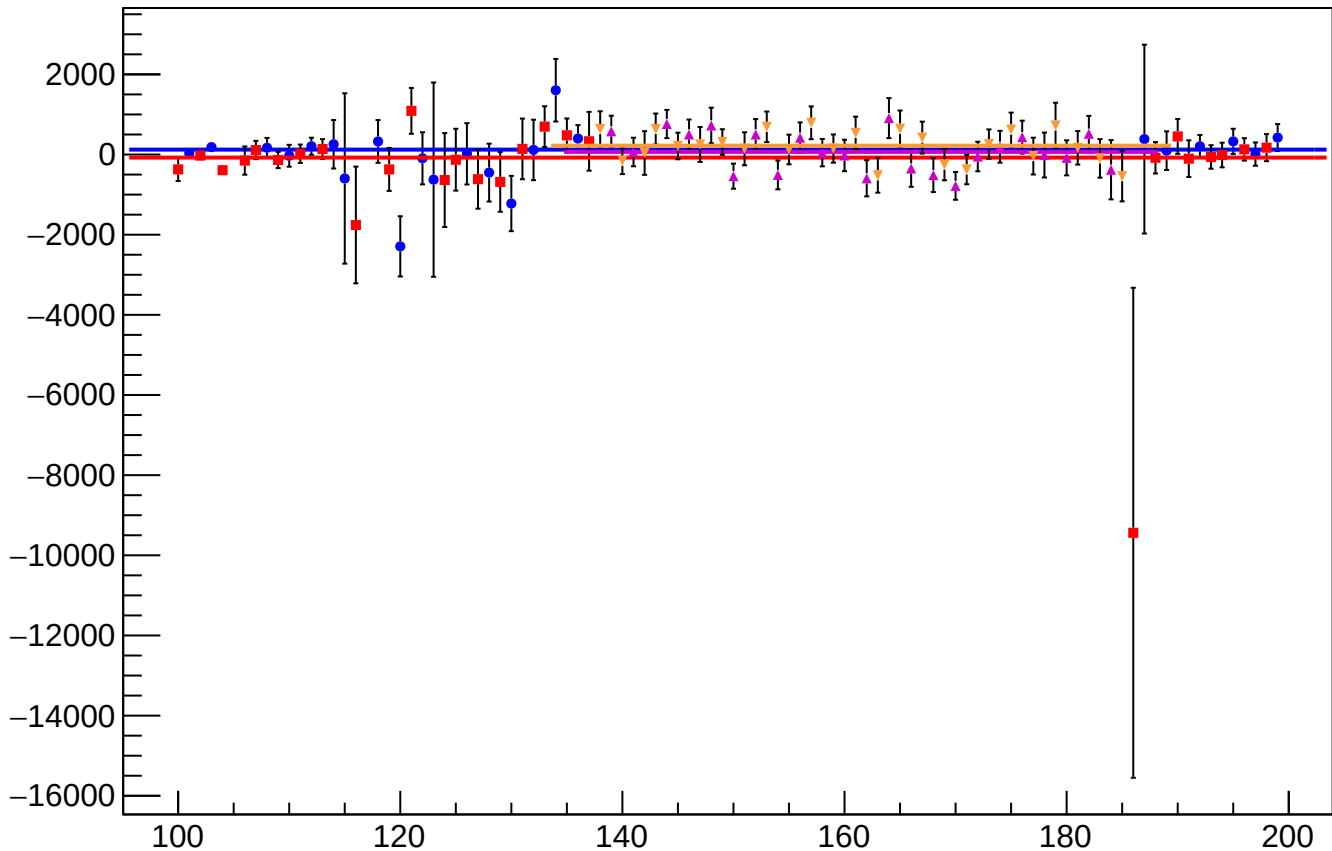
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 177.167 $\pm$ 0.029 χ^2 /NDF: 20417918.2/47

All: 183.243 $\pm$ 0.021 χ^2 /NDF: 38307380.0/97

- sign 189.518 $\pm$ 0.030 χ^2 /NDF: 17801619.6/49

asym_sam_15_avg_mean vs Slug



Right In: 123.144 $\pm$ 57.909 χ^2 /NDF: 22.6/22

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF: 19.7/24

Right Out: -76.023 $\pm$ 55.040 χ^2 /NDF: 26.4/26

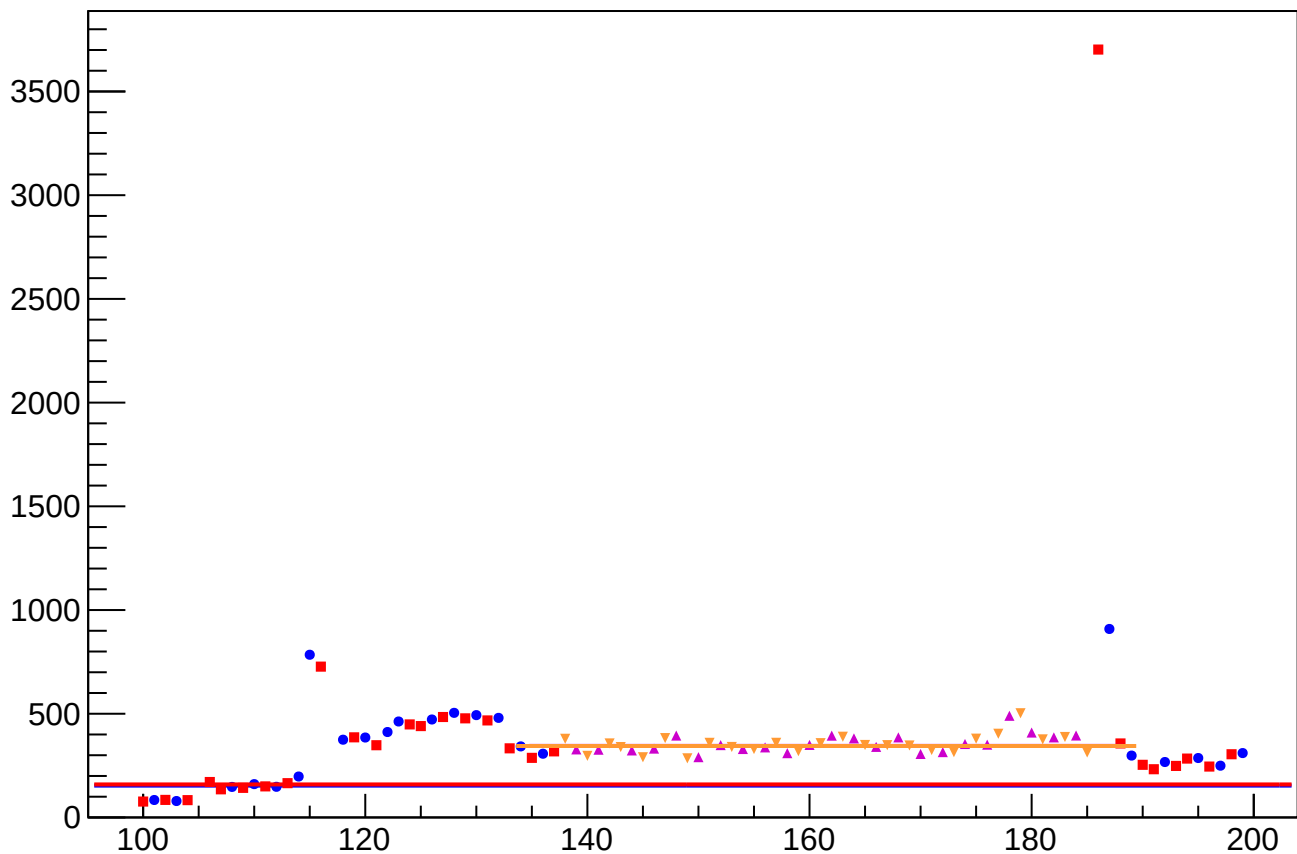
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF: 34.0/22

+ sign 156.260 $\pm$ 47.112 χ^2 /NDF: 43.2/47

All: 59.203 $\pm$ 32.885 χ^2 /NDF: 113.9/97

- sign -33.024 $\pm$ 45.924 χ^2 /NDF: 62.4/49

asym_sam_15_avg_rms vs Slug



Right In: 153.520 $\pm$ 0.041 χ^2 /NDF: 6771004.4/22

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF: 488323.4/24

Right Out: 159.214 $\pm$ 0.039 χ^2 /NDF: 7107334.2/26

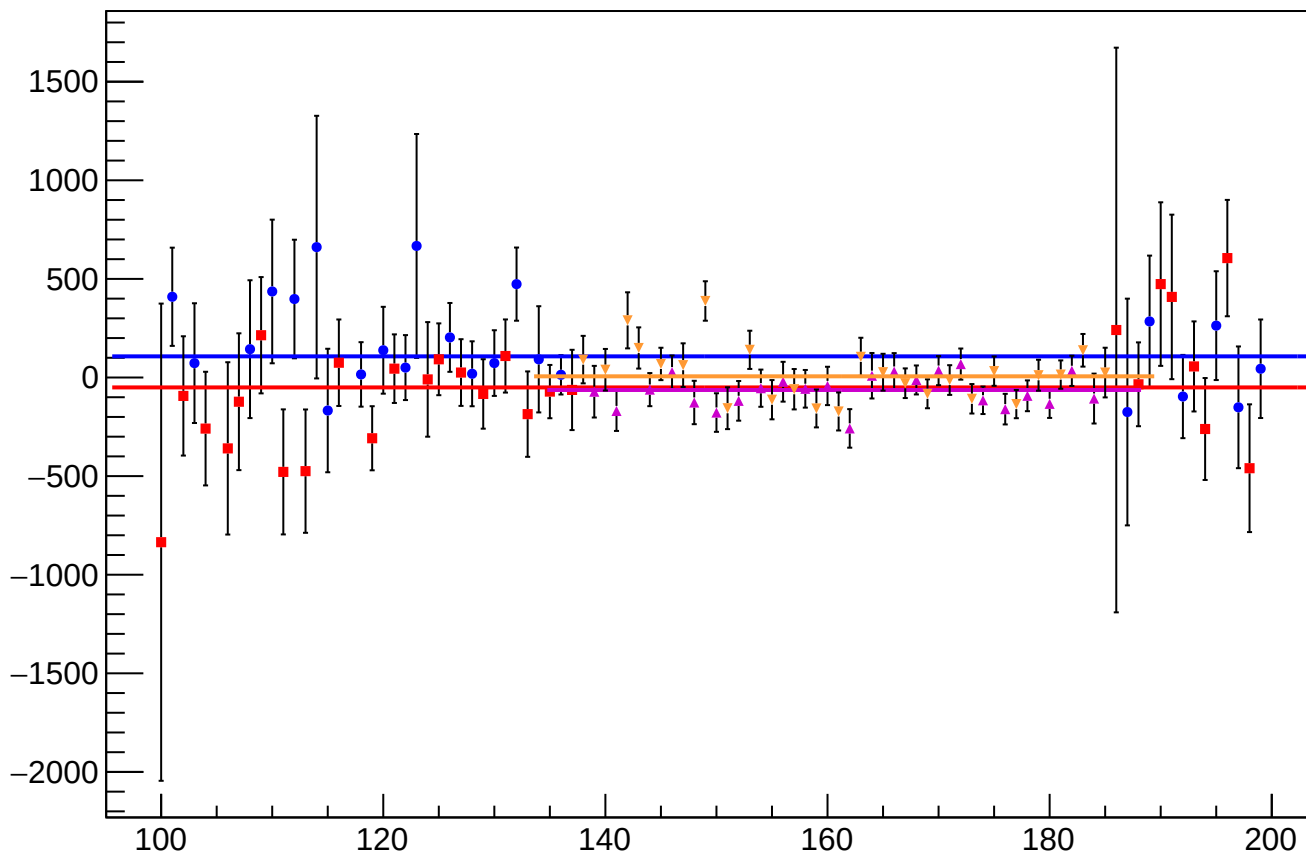
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 218.099 $\pm$ 0.033 χ^2 /NDF: 14615194.5/47

All: 216.853 $\pm$ 0.023 χ^2 /NDF: 29078604.8/97

- sign 215.669 $\pm$ 0.032 χ^2 /NDF: 14460682.9/49

reg_asym_sam_26_avg_mean vs Slug



Right In: 107.257 $\pm$ 45.304 χ^2 /NDF: 14.1/22

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF:46.0/24

Right Out: -50.256 $\pm$ 45.243 χ^2 /NDF: 21.4/26

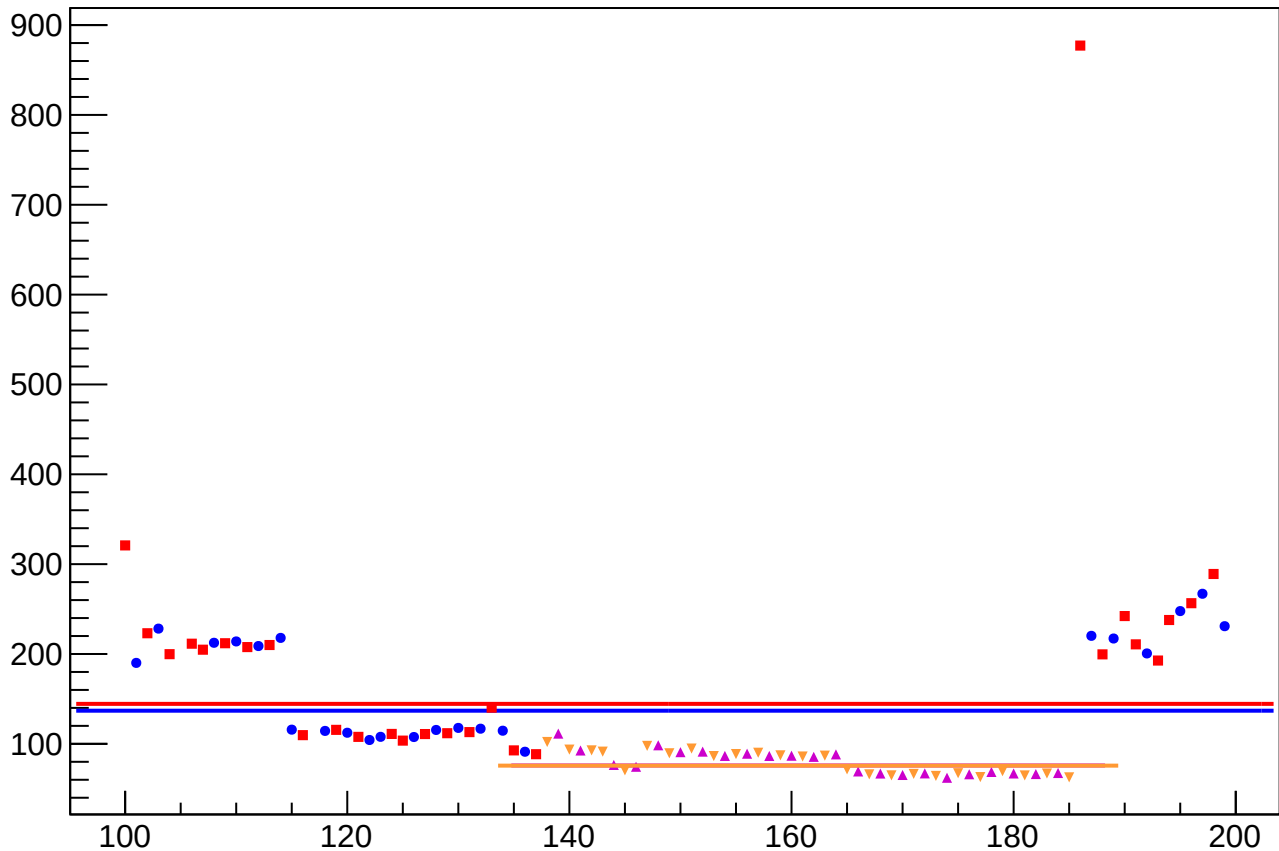
Left In: -63.279 $\pm$ 18.447 χ^2 /NDF:19.8/22

+ sign 19.703 $\pm$ 16.656 χ^2 /NDF: 64.4/47

All: -19.837 $\pm$ 11.925 χ^2 /NDF: 117.3/97

- sign -61.423 $\pm$ 17.081 χ^2 /NDF: 41.3/49

reg_asym_sam_26_avg_rms vs Slug



Right In: 136.880 $\pm$ 0.032 χ^2 /NDF: 2629795.2/22

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 144.487 $\pm$ 0.032 χ^2 /NDF: 3469043.6/26

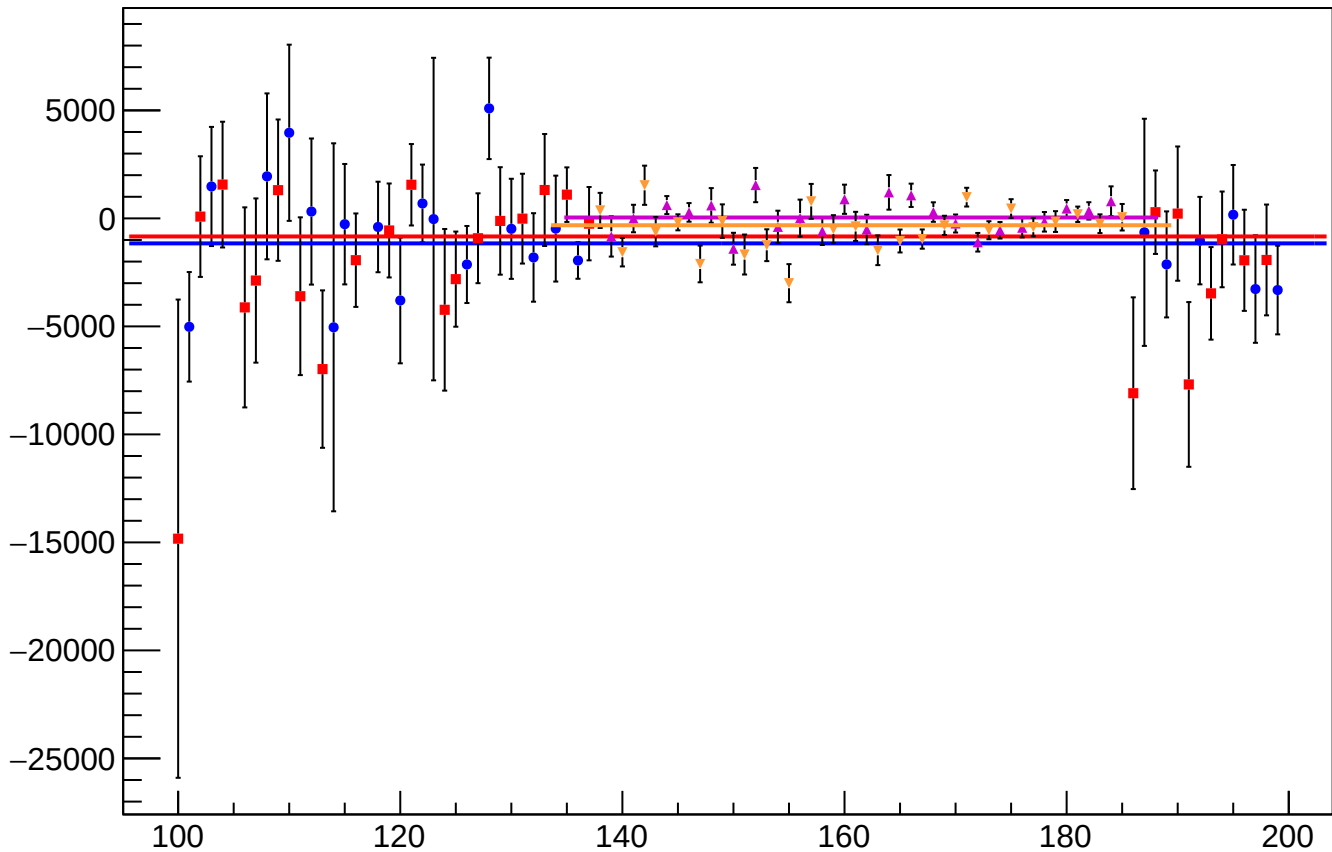
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 84.006 $\pm$ 0.012 χ^2 /NDF: 6717588.9/47

All: 84.824 $\pm$ 0.008 χ^2 /NDF: 14967961.6/97

- sign 85.685 $\pm$ 0.012 χ^2 /NDF: 8240473.2/49

asym_sam_26_avg_correction_mean vs Slug



Right In: -1157.294 $\pm$ 455.166 χ^2/NDF : 18.8/22

Left Out: -318.064 $\pm$ 108.014 χ^2/NDF : 50.0/24

Right Out: -836.930 $\pm$ 466.679 χ^2/NDF : 22.2/26

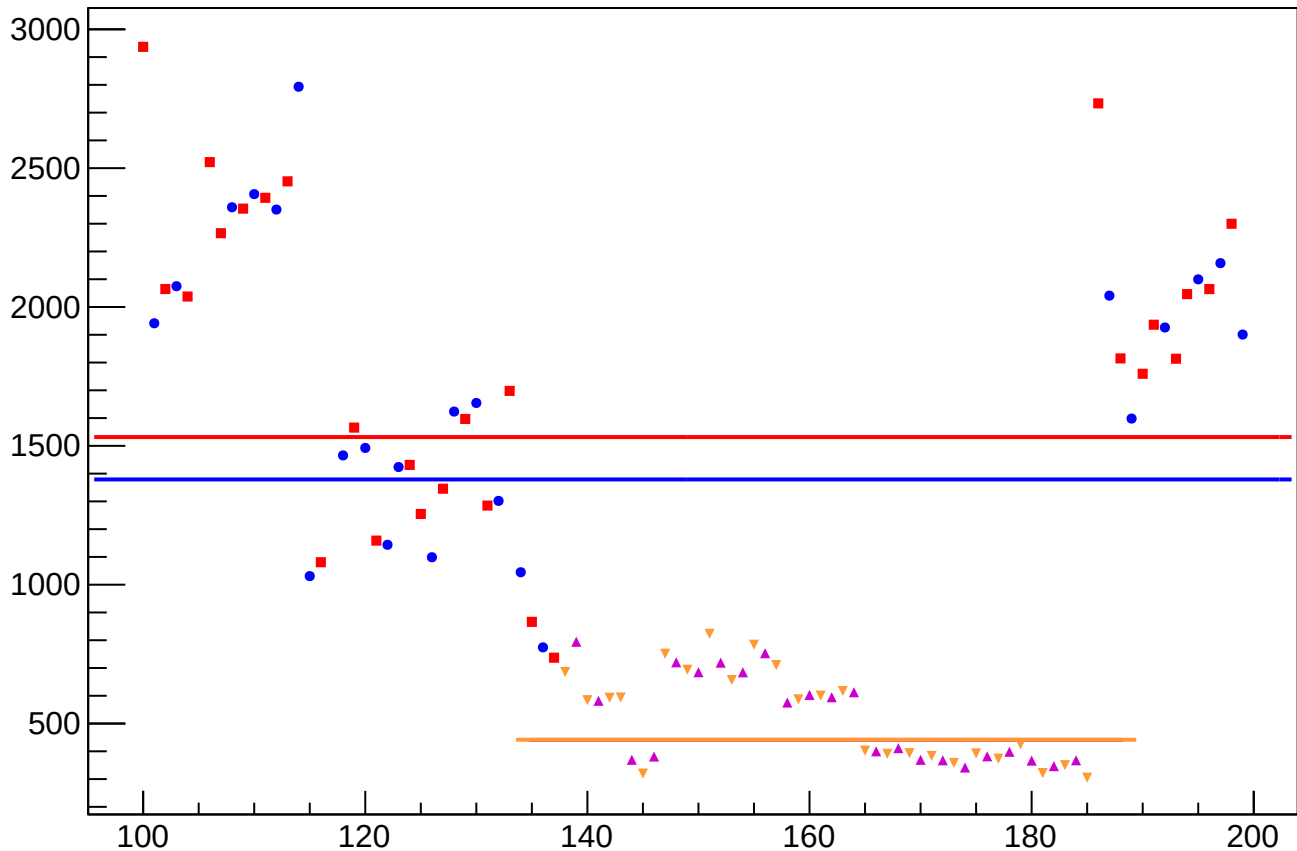
Left In: 40.473 $\pm$ 110.252 χ^2/NDF : 34.7/22

+ sign -362.805 $\pm$ 105.095 χ^2/NDF : 72.1/47

All: -188.060 $\pm$ 75.080 χ^2/NDF : 138.0/97

- sign -5.909 $\pm$ 107.299 χ^2/NDF : 60.3/49

asym_sam_26_avg_correction_rms vs Slug



Right In: 1379.038 $\pm$ 0.322 χ^2 /NDF: 2645489.7/22

Left Out: 441.685 $\pm$ 0.076 χ^2 /NDF: 3169140.9/24

Right Out: 1531.673 $\pm$ 0.330 χ^2 /NDF: 2591240.3/26

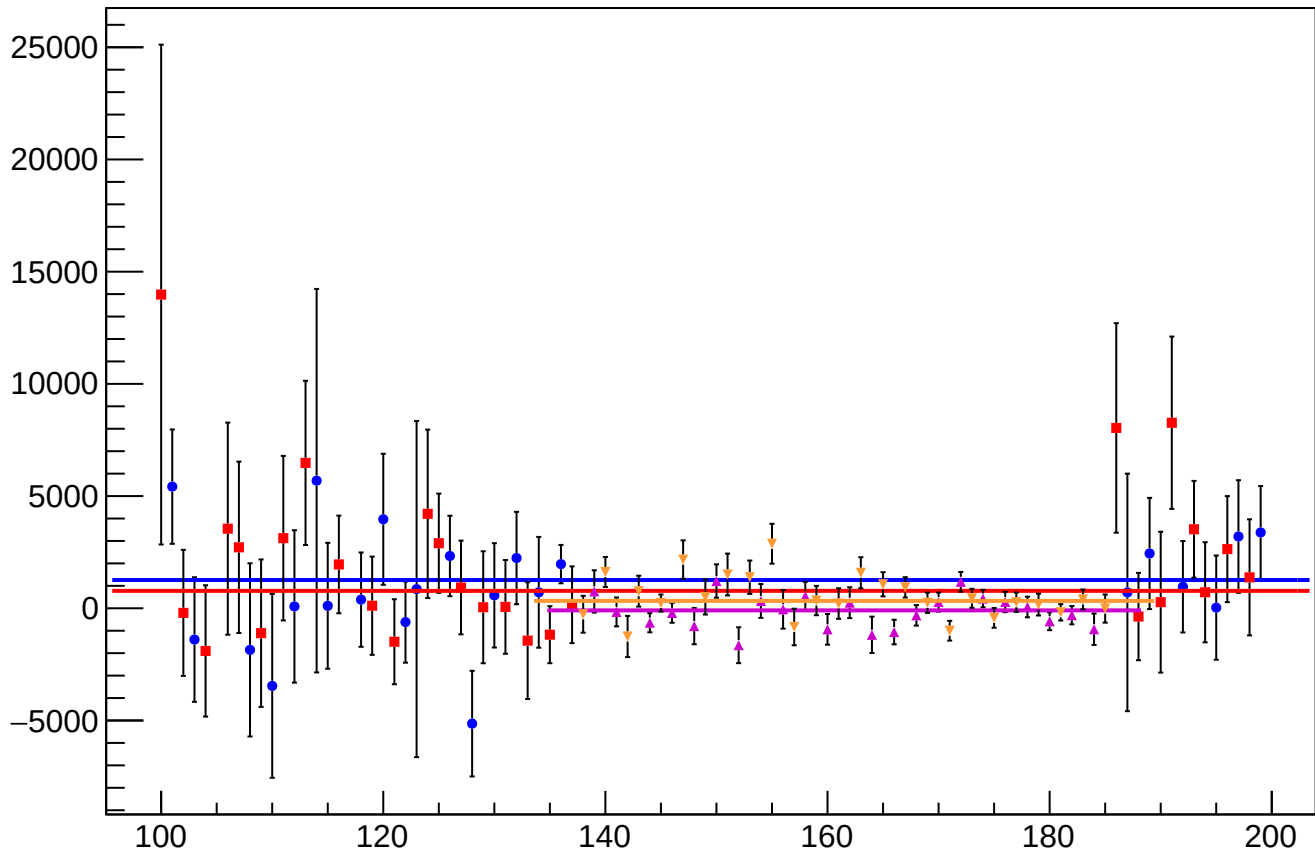
Left In: 441.009 $\pm$ 0.078 χ^2 /NDF: 2597018.1/22

+ sign 491.657 $\pm$ 0.074 χ^2 /NDF: 13844403.4/47

All: 495.088 $\pm$ 0.053 χ^2 /NDF: 29383416.6/97

- sign 498.665 $\pm$ 0.076 χ^2 /NDF: 15534658.9/49

asym_sam_26_avg_mean vs Slug



Right In: 1259.088 ± 457.932 χ^2/NDF : 19.2/22

Left Out: 328.599 ± 109.668 χ^2/NDF : 47.7/24

Right Out: 776.862 ± 469.597 χ^2/NDF : 22.0/26

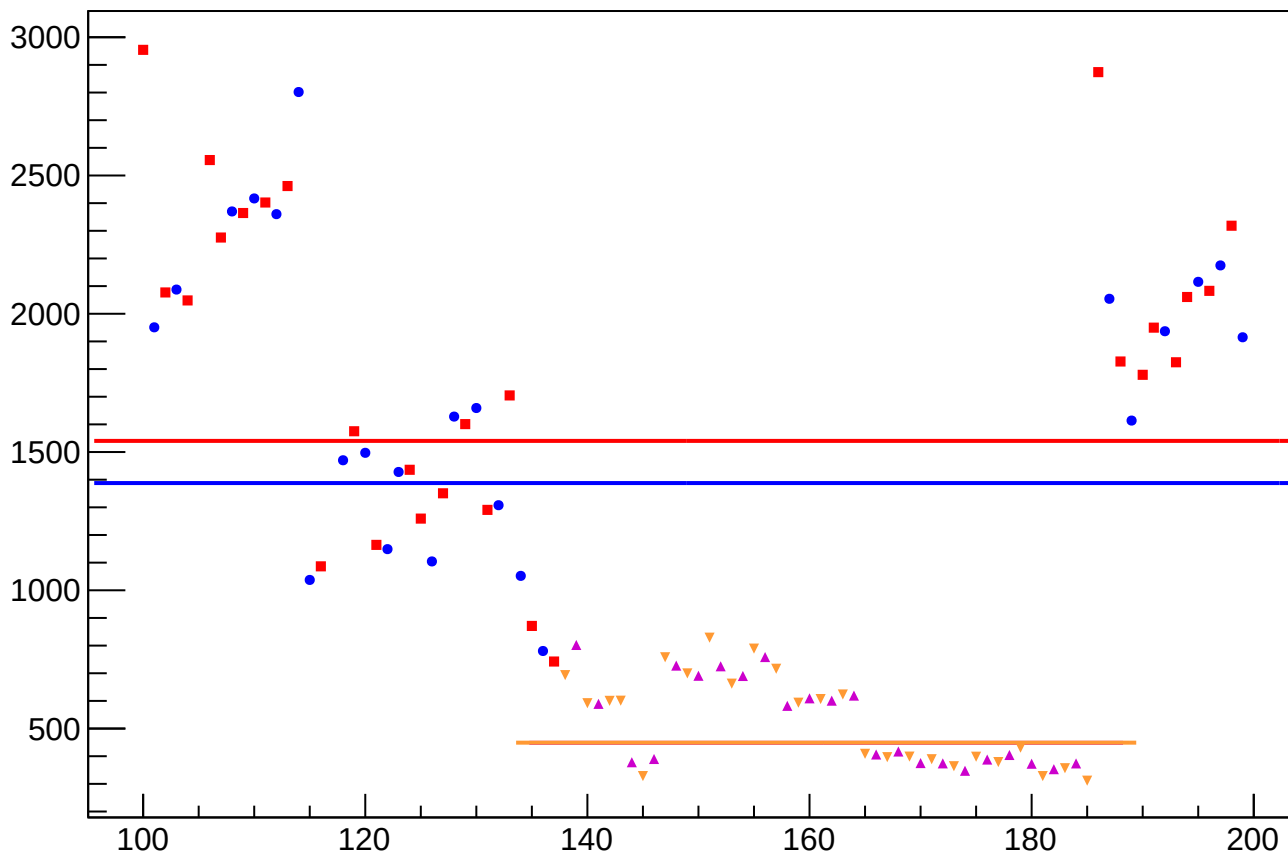
Left In: -93.310 ± 111.960 χ^2/NDF : 33.3/22

+ sign 379.071 ± 106.652 χ^2/NDF : 70.8/47

All: 170.733 ± 76.199 χ^2/NDF : 137.3/97

- sign -46.508 ± 108.907 χ^2/NDF : 58.6/49

asym_sam_26_avg_rms vs Slug



Right In: 1387.788+/-0.324 χ^2/NDF : 2636108.1/22

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1540.270+/-0.332 χ^2/NDF : 2611643.6/26

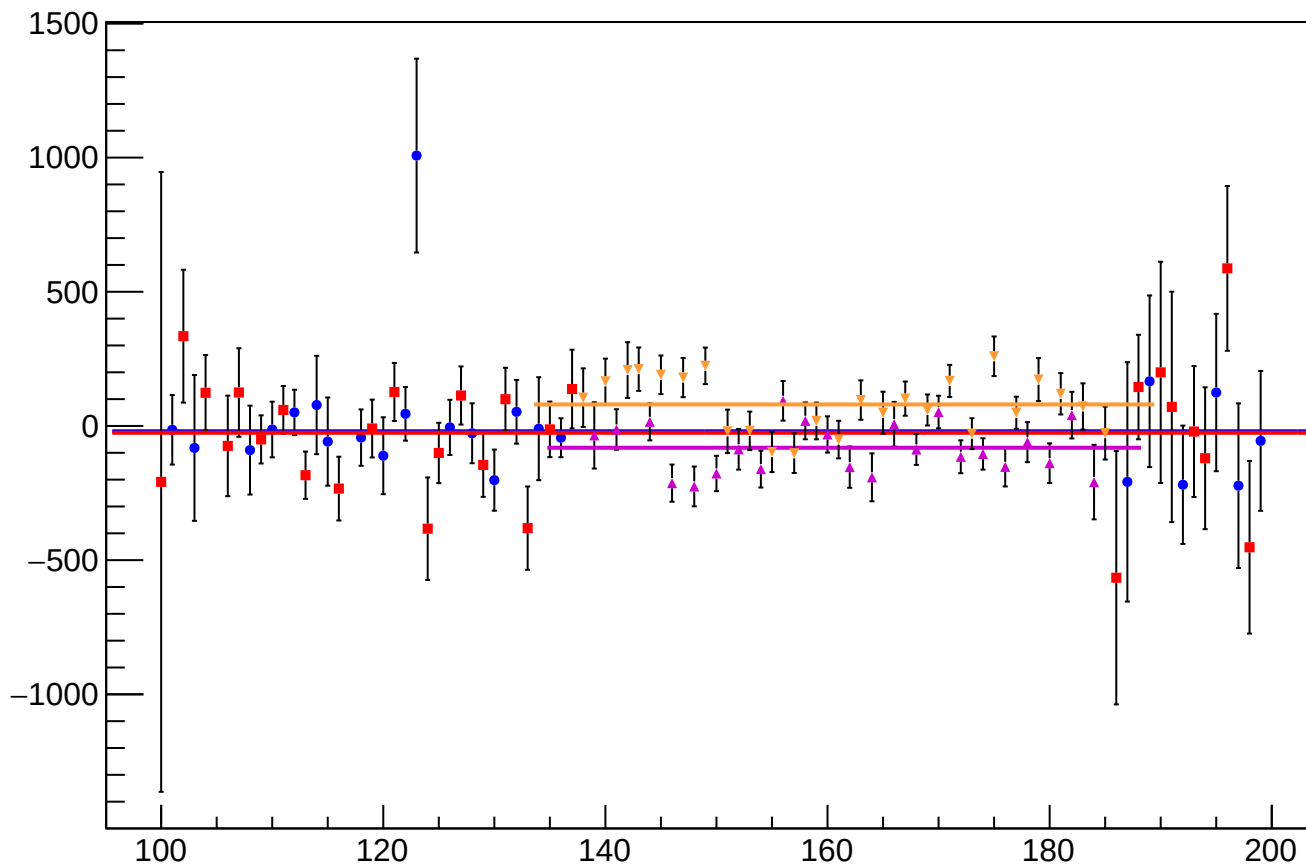
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 499.938+/-0.075 χ^2/NDF : 13675866.8/47

All: 503.414+/-0.054 χ^2/NDF : 29061816.7/97

- sign 507.038+/-0.077 χ^2/NDF : 15381609.9/49

reg_asym_sam_37_avg_mean vs Slug



Right In: -19.741 ± 28.070 $\chi^2/\text{NDF}: 15.3/22$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -25.342 ± 27.071 $\chi^2/\text{NDF}: 36.0/26$

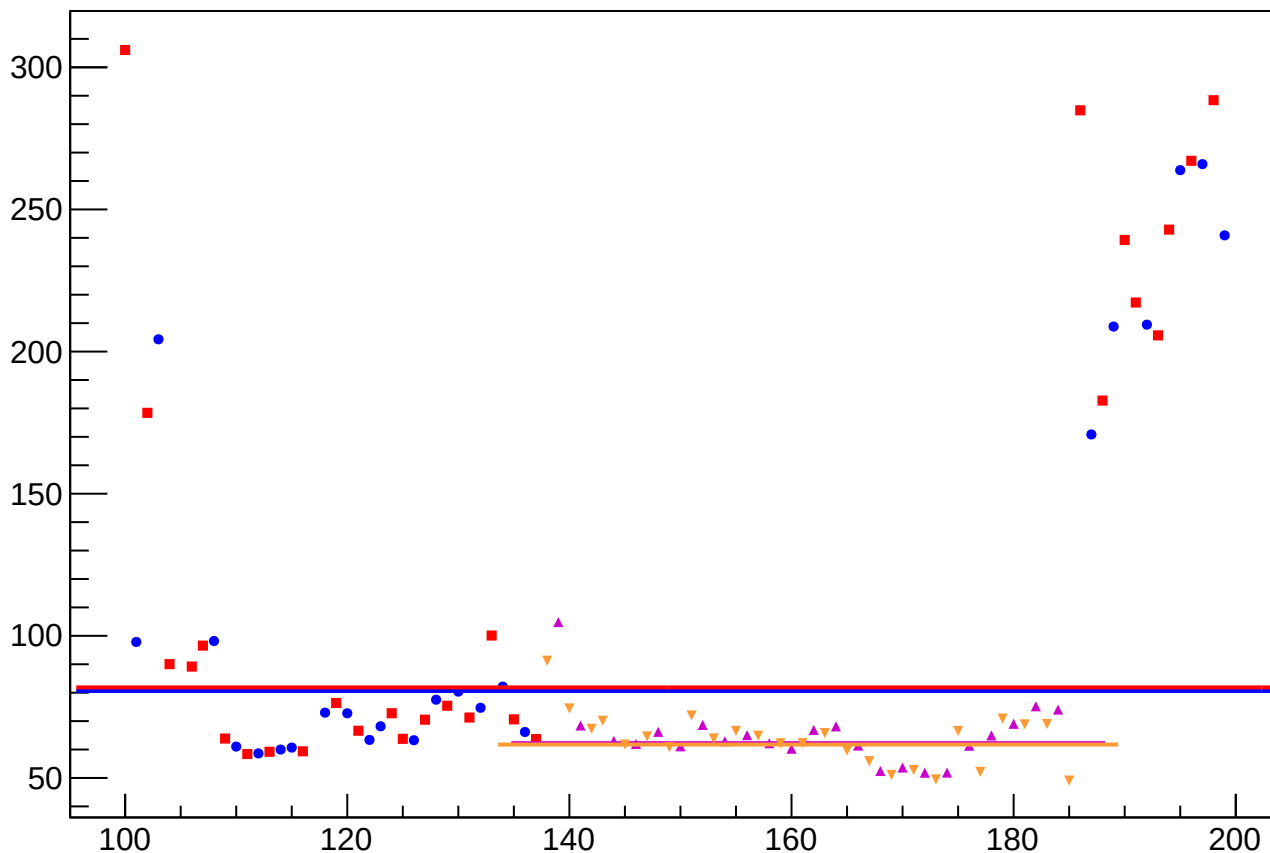
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 58.914 ± 12.947 $\chi^2/\text{NDF}: 73.9/47$

All: -3.313 ± 9.240 $\chi^2/\text{NDF}: 195.4/97$

- sign -67.904 ± 13.191 $\chi^2/\text{NDF}: 74.5/49$

reg_asym_sam_37_avg_rms vs Slug



Right In: 80.606 $\pm$ 0.020 χ^2 /NDF: 4308097.0/22

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 81.862 $\pm$ 0.019 χ^2 /NDF: 5265348.9/26

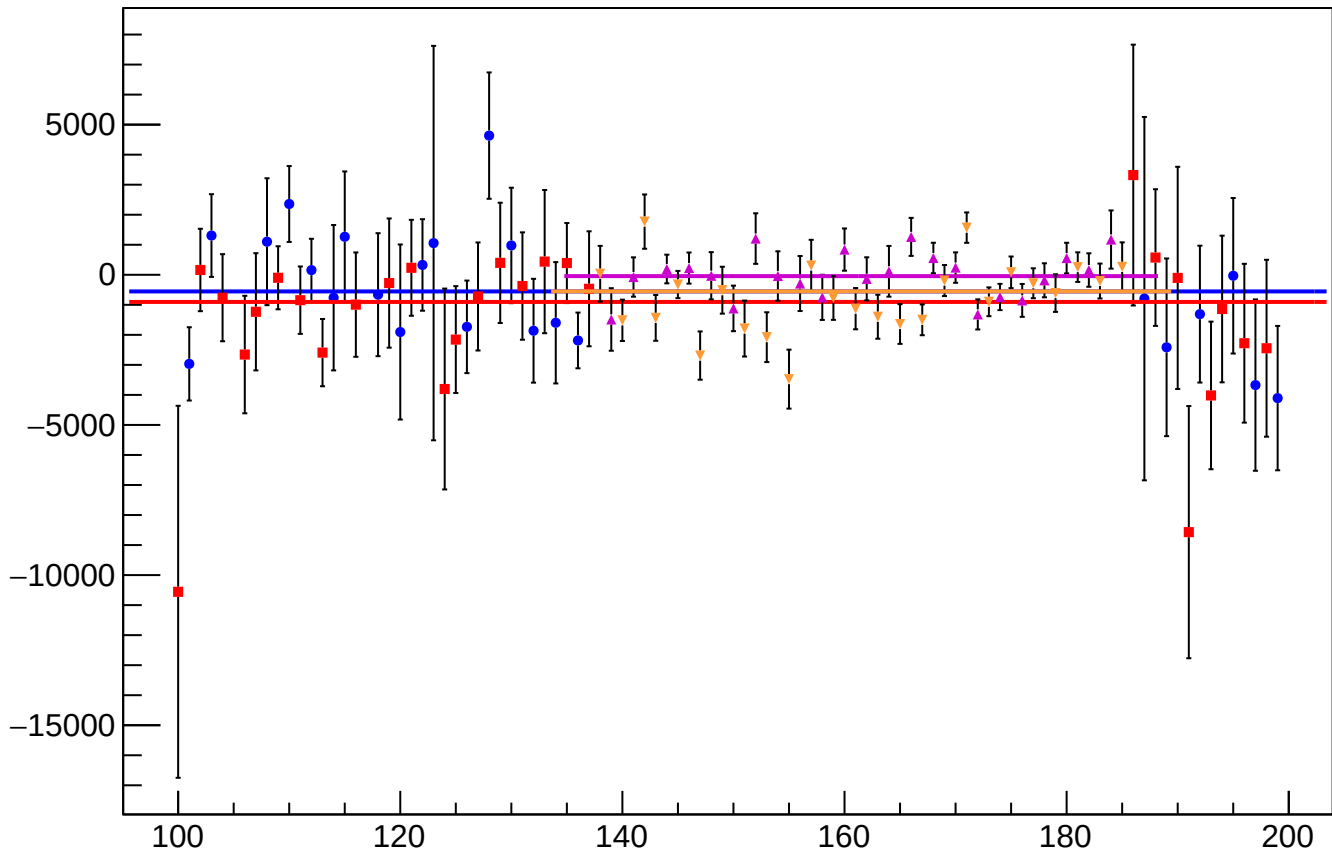
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 65.770 $\pm$ 0.009 χ^2 /NDF: 5663311.2/47

All: 66.328 $\pm$ 0.007 χ^2 /NDF: 12327761.5/97

- sign 66.906 $\pm$ 0.009 χ^2 /NDF: 6656894.2/49

asym_sam_37_avg_correction_mean vs Slug



Right In: -554.204 ± 362.805 χ^2/NDF : 28.6/22

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -904.040 ± 348.144 χ^2/NDF : 17.3/26

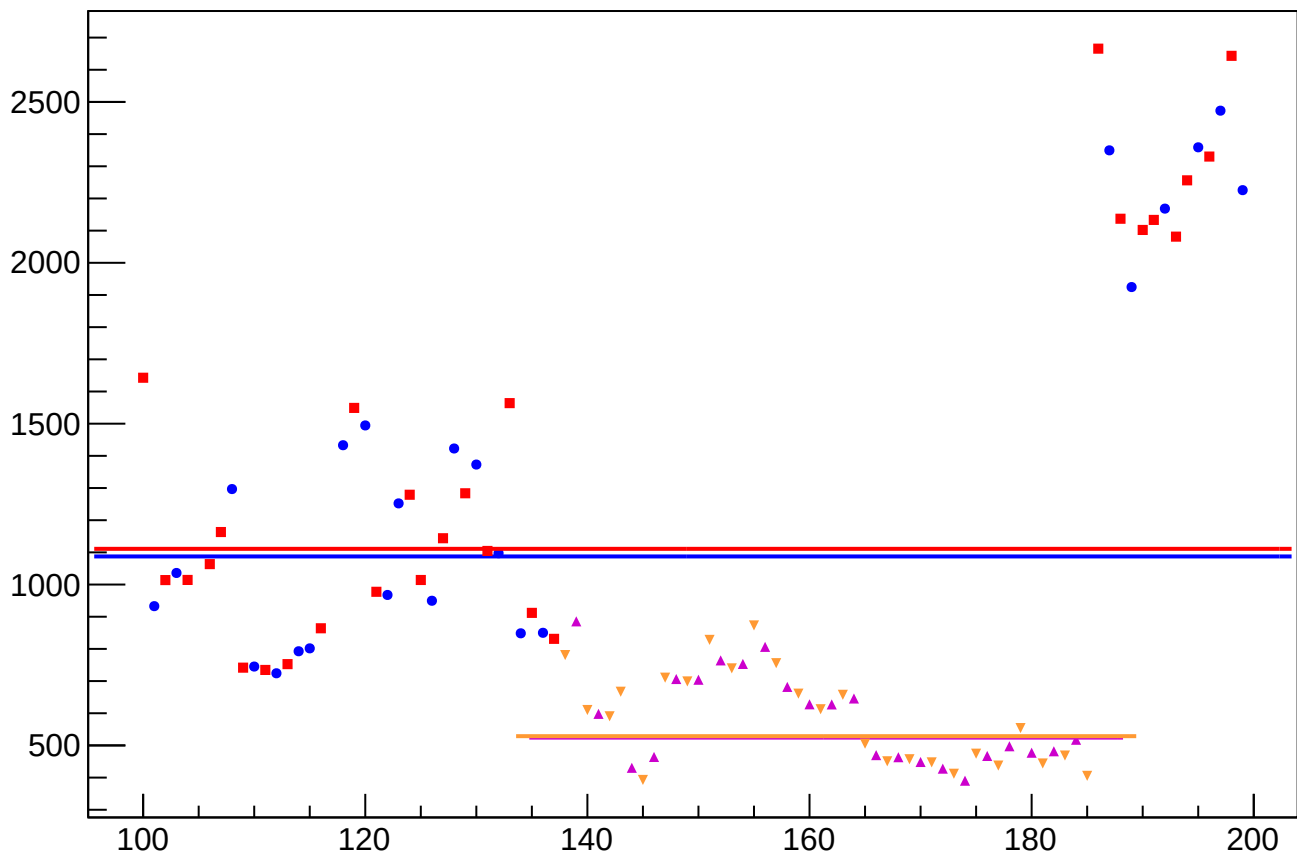
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -552.695 ± 119.852 χ^2/NDF : 93.9/47

All: -352.577 ± 85.165 χ^2/NDF : 151.8/97

- sign -148.468 ± 121.041 χ^2/NDF : 52.2/49

asym_sam_37_avg_correction_rms vs Slug



Right In: 1087.355+/-0.257 χ^2/NDF : 2986766.1/22

Left Out: 528.736+/-0.090 χ^2/NDF : 1983697.7/24

Right Out: 1111.017+/-0.246 χ^2/NDF : 3680086.7/26

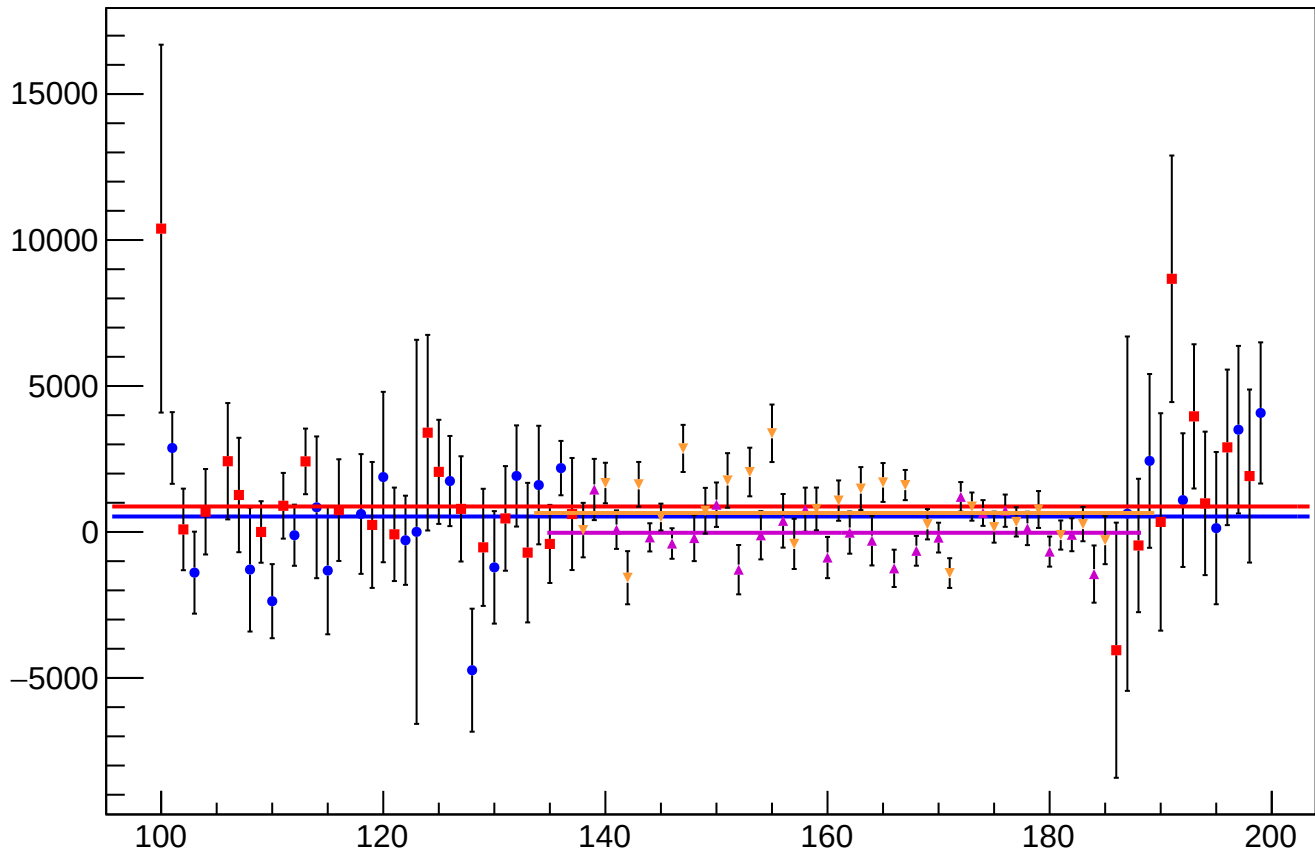
Left In: 524.268+/-0.091 χ^2/NDF : 1716257.3/22

+ sign 589.698+/-0.085 χ^2/NDF : 9194515.9/47

All: 592.419+/-0.060 χ^2/NDF : 19587148.3/97

- sign 595.193+/-0.086 χ^2/NDF : 10390551.0/49

asym_sam_37_avg_mean vs Slug



Right In: 529.803 ± 364.498 χ^2/NDF : 28.6/22

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 873.179 ± 349.934 χ^2/NDF : 16.5/26

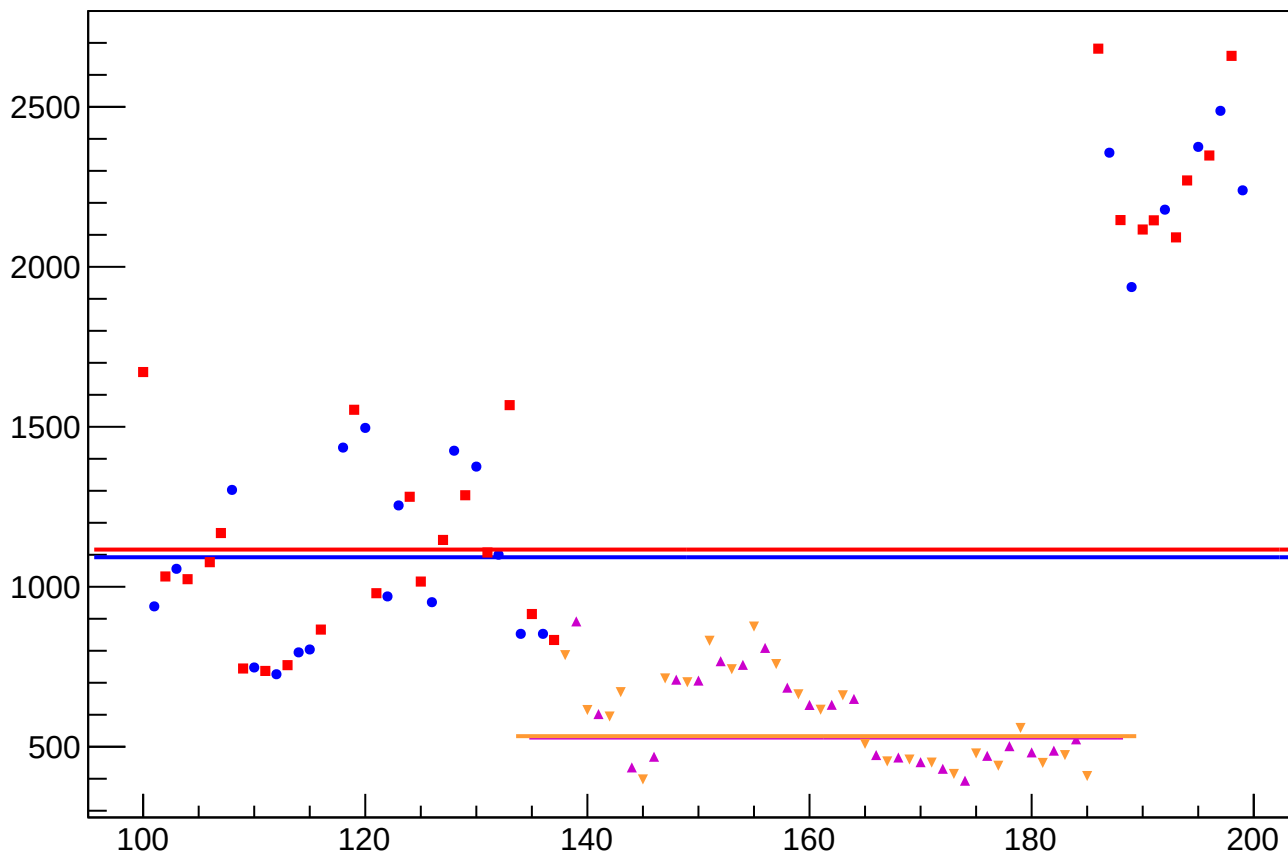
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 638.200 ± 120.737 χ^2/NDF : 89.8/47

All: 362.884 ± 85.806 χ^2/NDF : 151.1/97

- sign 81.931 ± 121.967 χ^2/NDF : 50.8/49

asym_sam_37_avg_rms vs Slug



Right In: 1092.293+/-0.258 χ^2/NDF : 2991573.8/22

Left Out: 533.060+/-0.090 χ^2/NDF :1951536.4/24

Right Out: 1116.304+/-0.247 χ^2/NDF : 3688664.5/26

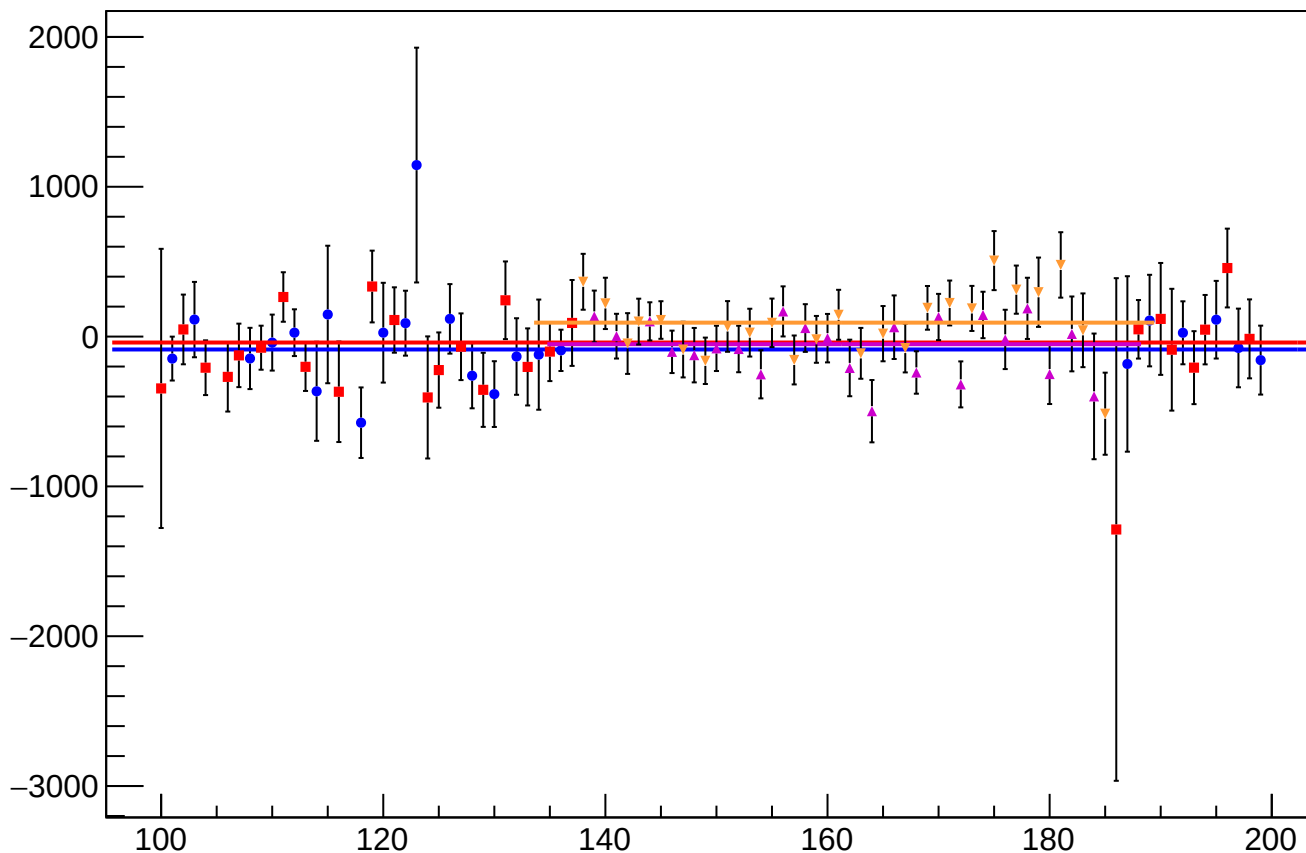
Left In: 528.694+/-0.092 χ^2/NDF :1688511.2/22

+ sign 594.420+/-0.085 χ^2/NDF : 9134435.6/47

All: 597.220+/-0.061 χ^2/NDF : 19468136.5/97

- sign 600.078+/-0.086 χ^2/NDF : 10331527.1/49

reg_asym_sam_48_avg_mean vs Slug



Right In: -86.116 ± 47.659 χ^2/NDF : 14.7/22

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: -39.695 ± 45.186 χ^2/NDF : 20.6/26

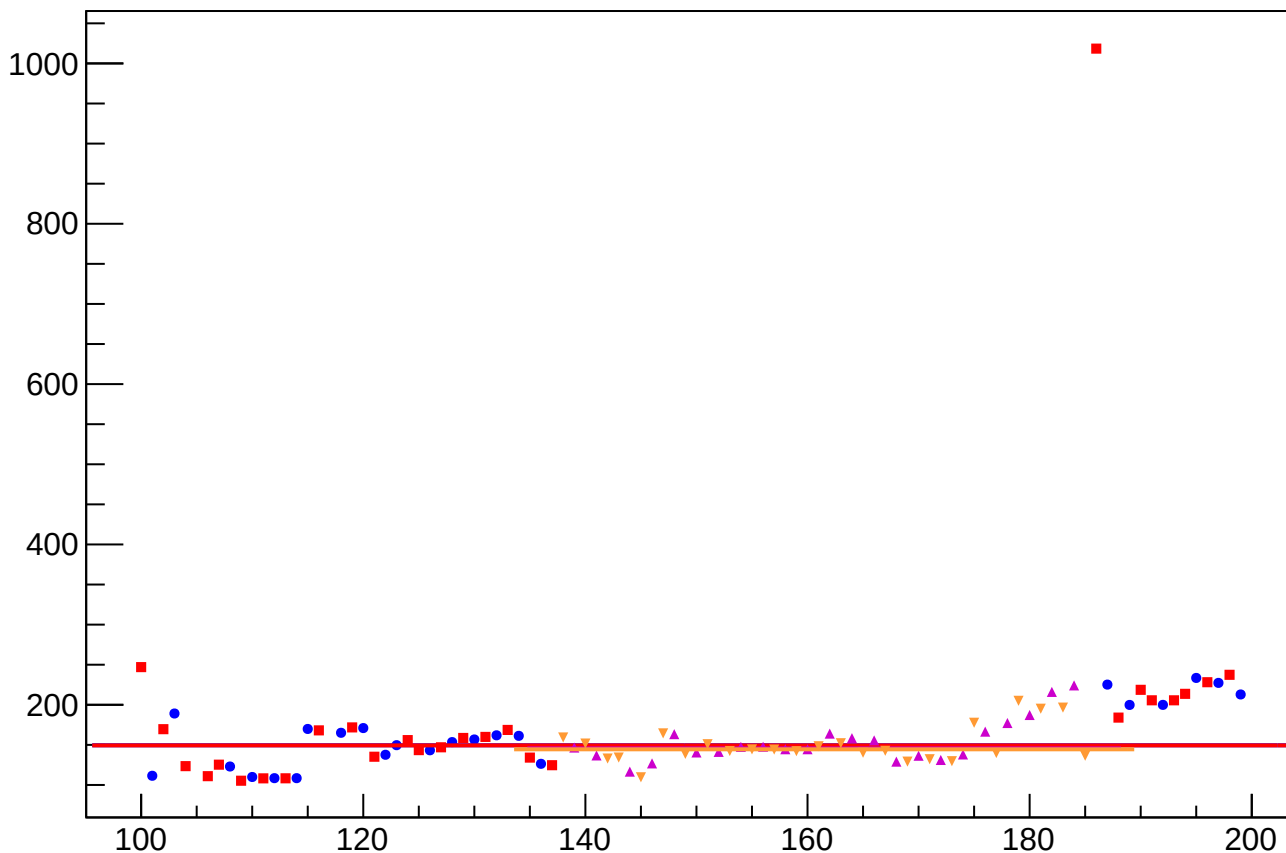
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 32.456 ± 27.707 χ^2/NDF : 53.5/47

All: -6.955 ± 19.627 χ^2/NDF : 101.6/97

- sign -46.654 ± 27.808 χ^2/NDF : 44.1/49

reg_asym_sam_48_avg_rms vs Slug



Right In: 149.521+/-0.034 χ^2/NDF : 1311284.3/22

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 149.372+/-0.032 χ^2/NDF : 2040317.2/26

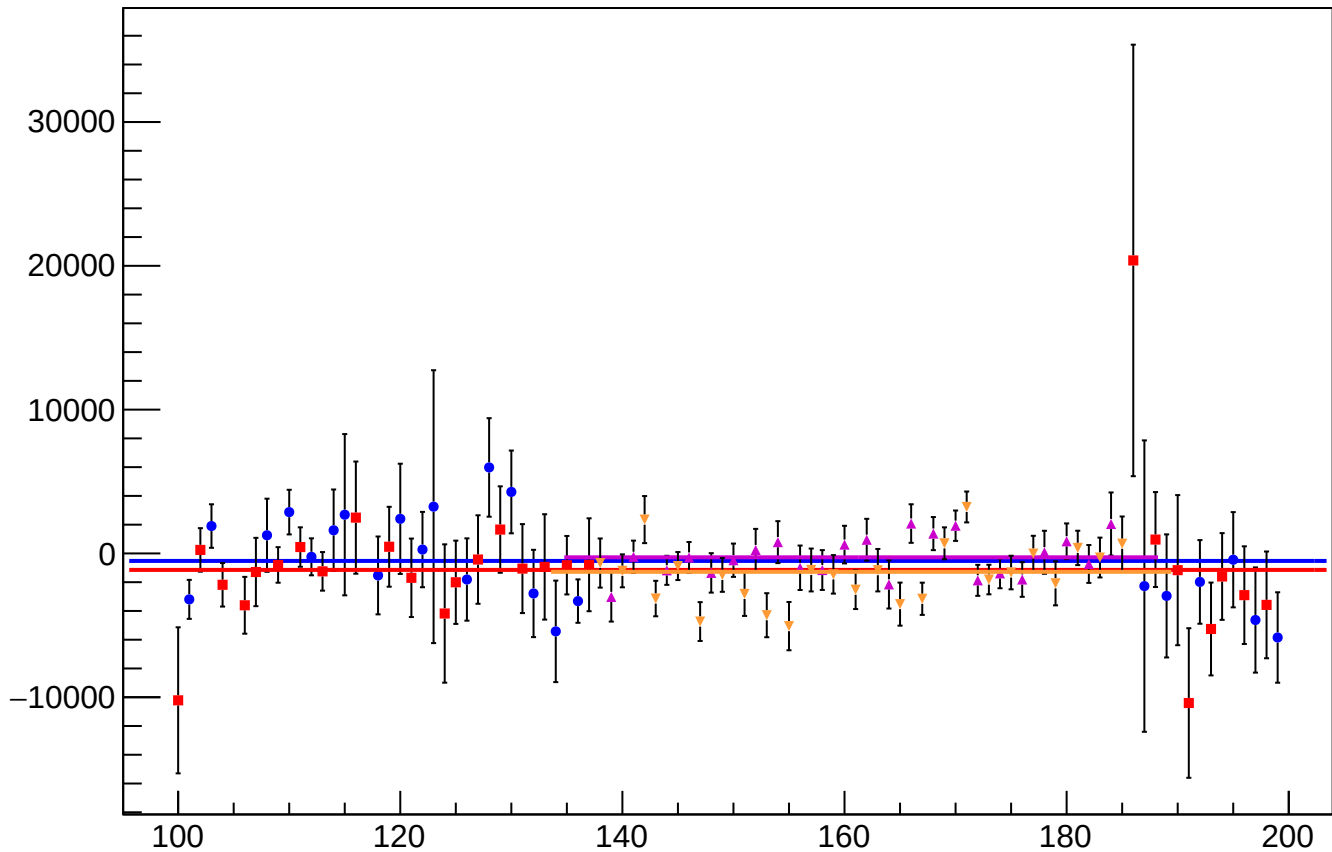
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 146.181+/-0.020 χ^2/NDF : 1996615.9/47

All: 146.583+/-0.014 χ^2/NDF : 4690267.0/97

- sign 146.988+/-0.020 χ^2/NDF : 2692805.8/49

asym_sam_48_avg_correction_mean vs Slug



Right In: -521.433 ± 495.117 χ^2/NDF : 30.9/22

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1145.592 ± 454.217 χ^2/NDF : 18.2/26

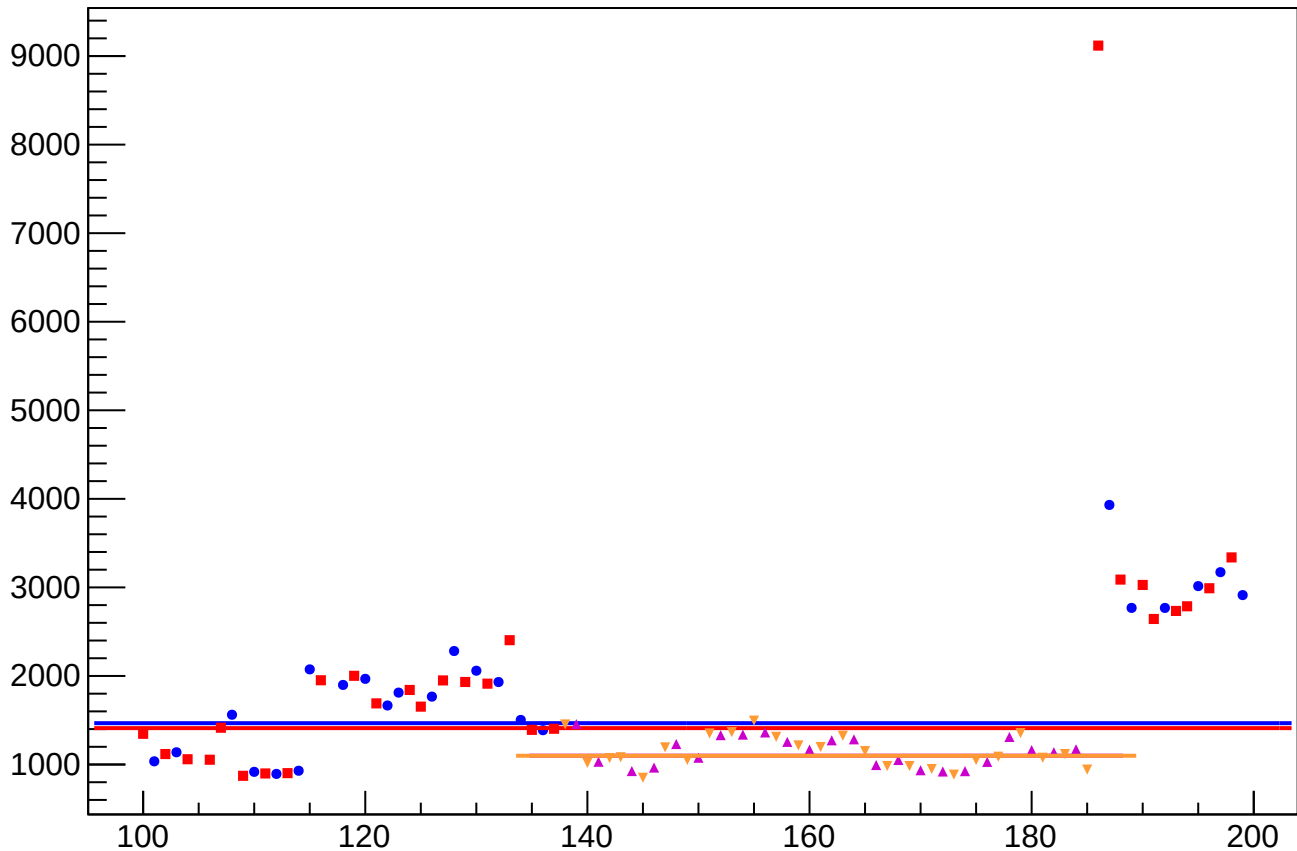
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1116.198 ± 229.704 χ^2/NDF : 88.7/47

All: -805.022 ± 162.422 χ^2/NDF : 137.5/97

- sign -493.874 ± 229.694 χ^2/NDF : 45.2/49

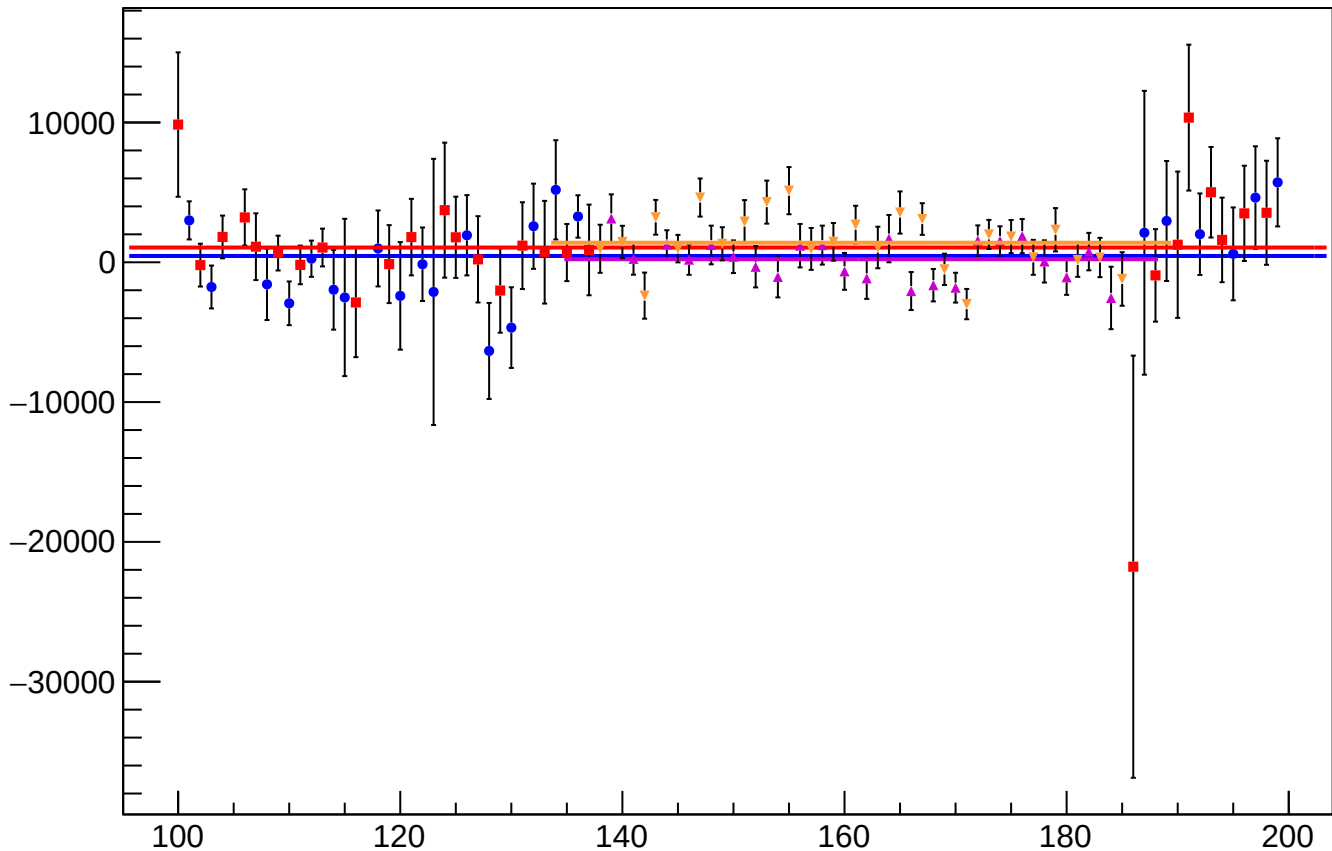
asym_sam_48_avg_correction_rms vs Slug



Right In: 1466.774 ± 0.350 χ^2/NDF : 3413193.7/22
 Left Out: 1098.909 ± 0.183 χ^2/NDF : 824328.7/24
 Right Out: 1410.874 ± 0.321 χ^2/NDF : 4767298.5/26
 Left In: 1099.585 ± 0.188 χ^2/NDF : 679896.1/22

+ sign 1178.088 ± 0.162 χ^2/NDF : 5103943.8/47
 All: 1178.639 ± 0.115 χ^2/NDF : 11250301.7/9
 - sign 1179.189 ± 0.162 χ^2/NDF : 6146335.0/49

asym_sam_48_avg_mean vs Slug



Right In: 452.012 ± 498.136 χ^2/NDF : 30.4/22

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 1055.355 ± 457.455 χ^2/NDF : 17.0/26

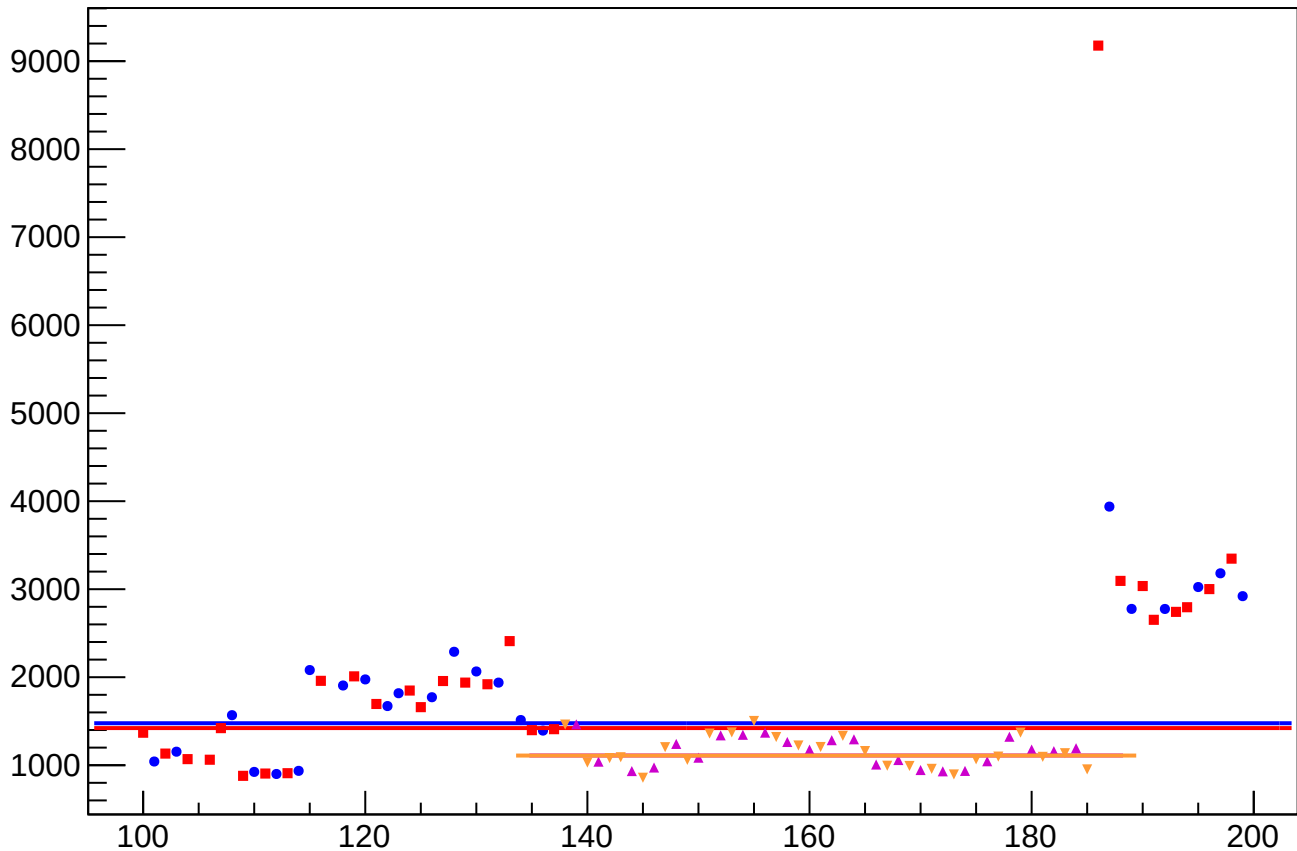
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1195.179 ± 231.746 χ^2/NDF : 85.5/47

All: 814.659 ± 163.883 χ^2/NDF : 135.4/97

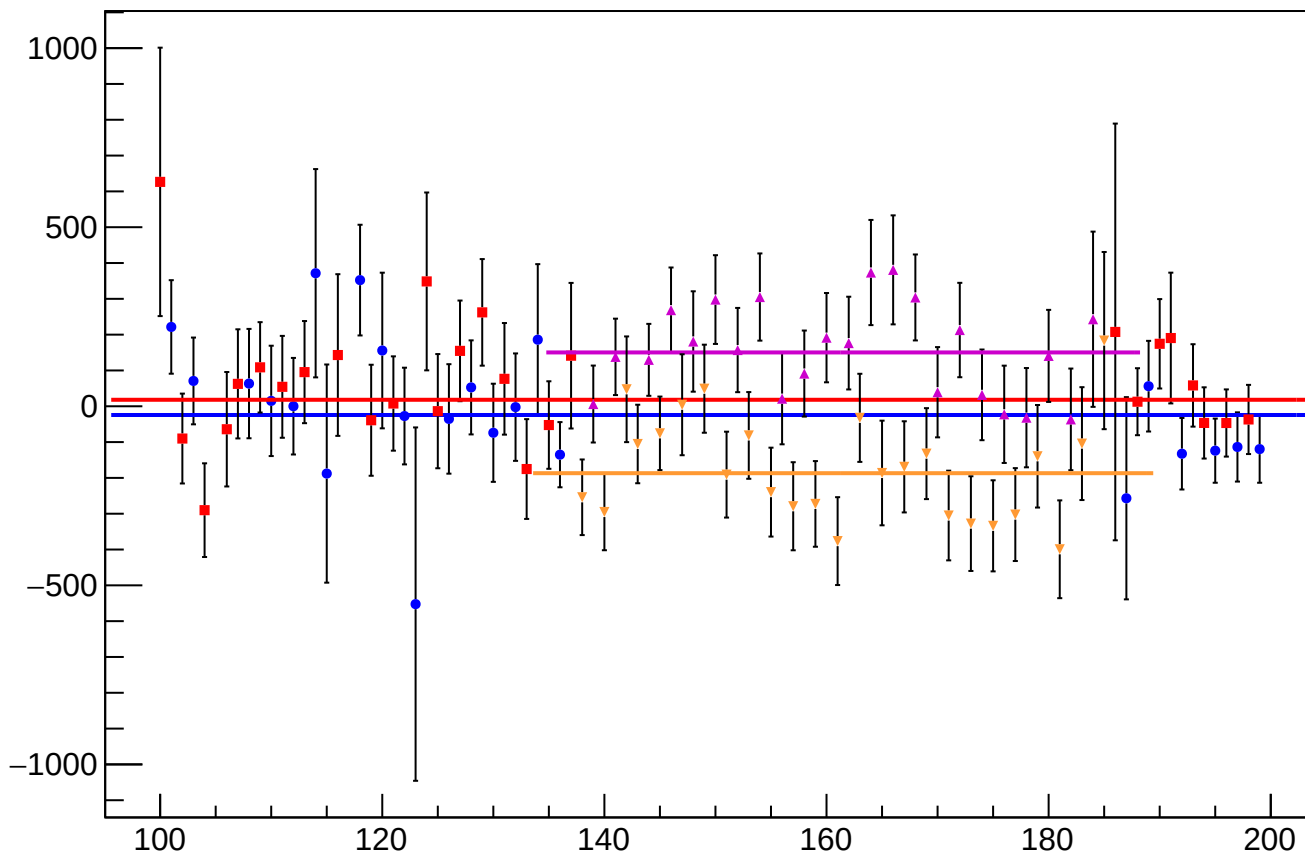
- sign 434.010 ± 231.786 χ^2/NDF : 44.5/49

asym_sam_48_avg_rms vs Slug



Right In: 1476.997 $\pm$ 0.352 χ^2 /NDF: 3383924.5/22 + sign 1189.245 $\pm$ 0.164 χ^2 /NDF: 5047821.2/47
 Left Out: 1109.761 $\pm$ 0.185 χ^2 /NDF: 812174.9/24 All: 1189.872 $\pm$ 0.116 χ^2 /NDF: 11136088.4/50
 Right Out: 1421.985 $\pm$ 0.323 χ^2 /NDF: 4729281.4/26 - sign 1190.499 $\pm$ 0.164 χ^2 /NDF: 6088237.9/49
 Left In: 1110.542 $\pm$ 0.190 χ^2 /NDF: 669928.9/22

reg_asym_sam_15_dd_mean vs Slug



Right In: -24.352 ± 28.024 χ^2/NDF : 22.9/22

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: 18.140 ± 26.390 χ^2/NDF : 22.7/26

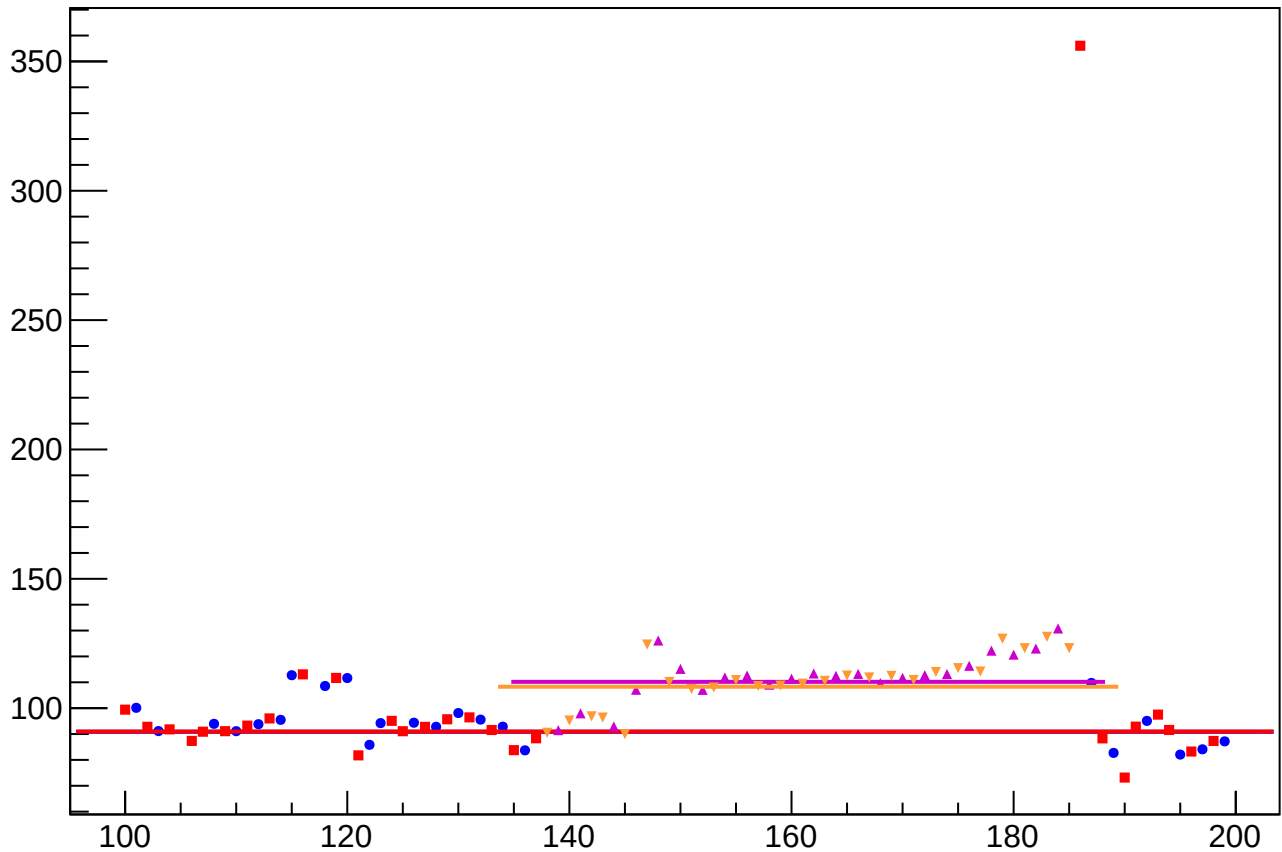
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -113.847 ± 18.782 χ^2/NDF : 68.0/47

All: -14.337 ± 13.245 χ^2/NDF : 179.7/97

- sign 84.091 ± 18.680 χ^2/NDF : 55.9/49

reg_asym_sam_15_dd_rms vs Slug



Right In: 90.882 ± 0.020 χ^2/NDF : 144799.6/22

Left Out: 108.287 ± 0.018 χ^2/NDF : 330693.5/24

Right Out: 90.958 ± 0.019 χ^2/NDF : 563591.7/26

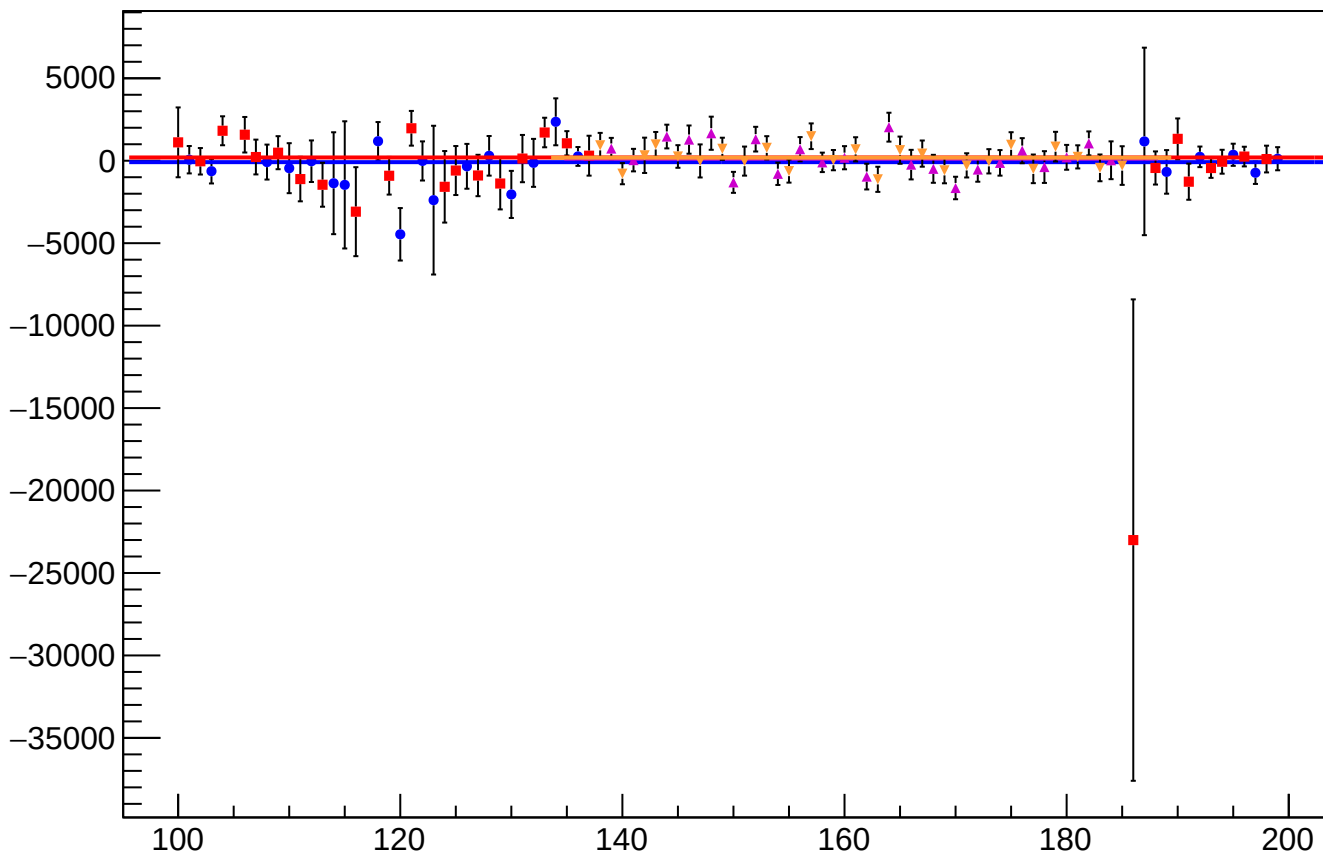
Left In: 110.173 ± 0.019 χ^2/NDF : 246967.7/22

+ sign 100.469 ± 0.013 χ^2/NDF : 900417.5/47

All: 100.508 ± 0.009 χ^2/NDF : 2240021.0/97

- sign 100.546 ± 0.013 χ^2/NDF : 1339586.5/49

asym_sam_15_dd_correction_mean vs Slug



Right In: -86.266 ± 210.195 χ^2/NDF : 17.2/22

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 198.295 ± 195.152 χ^2/NDF : 27.0/26

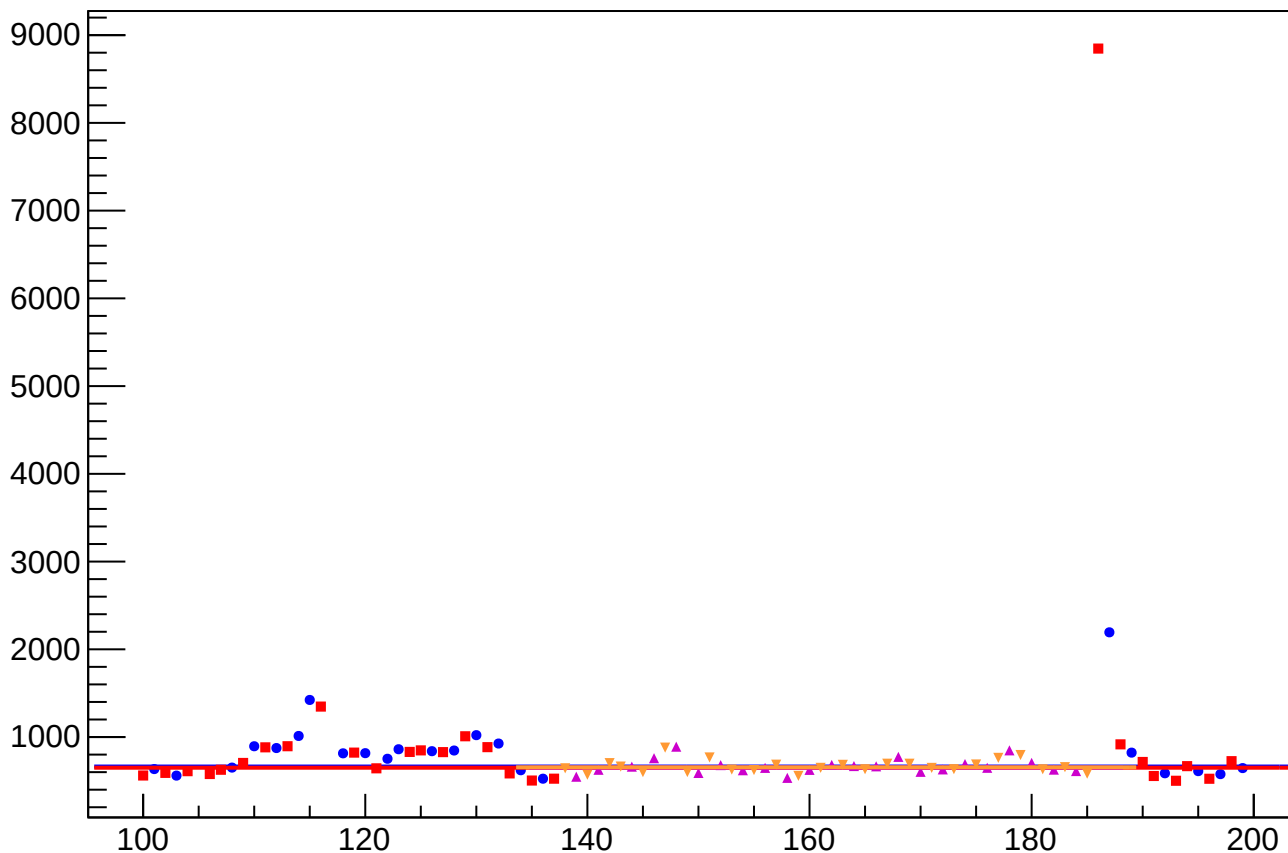
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 90.759 ± 124.060 χ^2/NDF : 36.7/47

All: 123.883 ± 87.131 χ^2/NDF : 100.1/97

- sign 156.127 ± 122.401 χ^2/NDF : 63.2/49

asym_sam_15_dd_correction_rms vs Slug



Right In: 664.053 $\pm$ 0.149 χ^2 /NDF: 952479.1/22

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 650.505 $\pm$ 0.138 χ^2 /NDF: 1720946.5/26

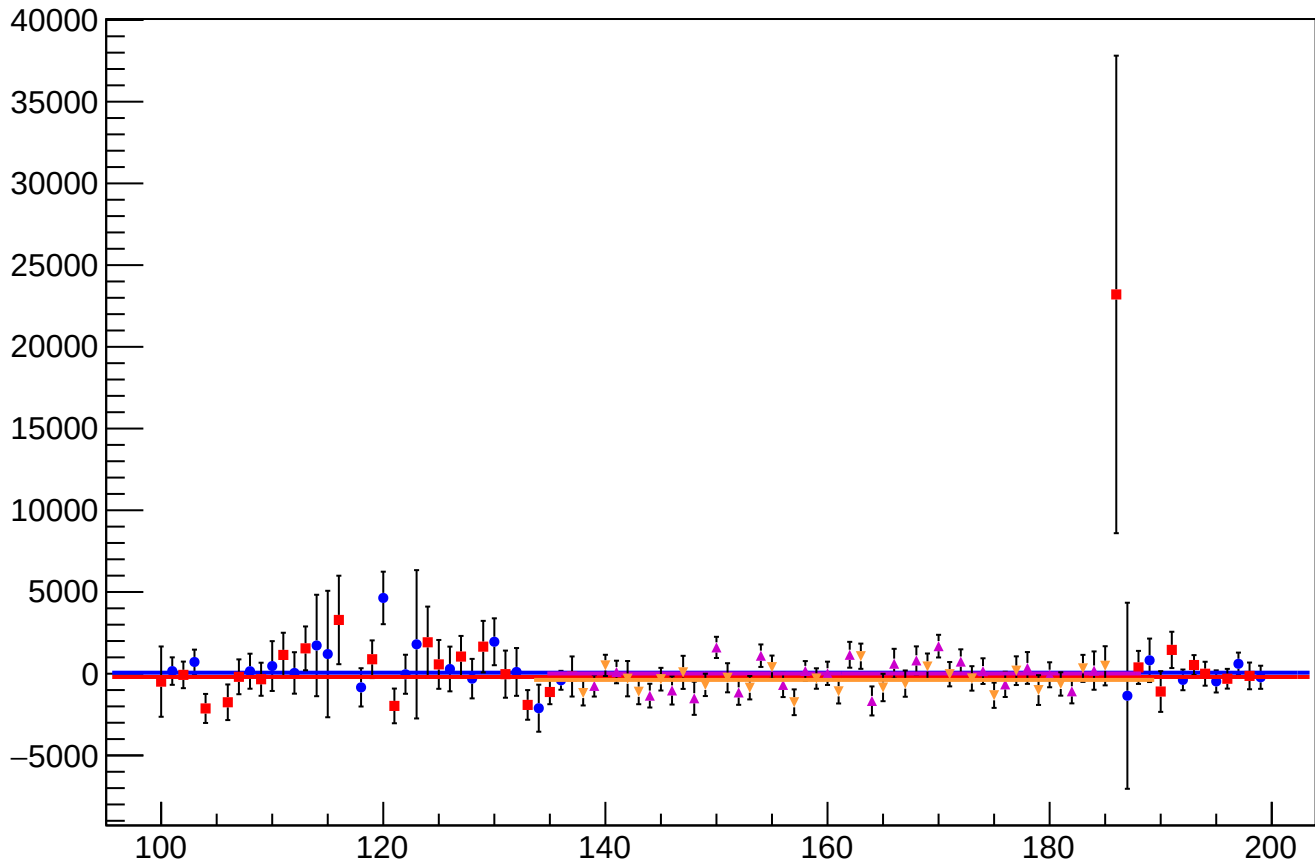
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 658.255 $\pm$ 0.088 χ^2 /NDF: 1322164.4/47

All: 654.444 $\pm$ 0.062 χ^2 /NDF: 3512956.6/97

- sign 650.734 $\pm$ 0.087 χ^2 /NDF: 2187067.9/49

asym_sam_15_dd_mean vs Slug



Right In: 62.567 ± 212.370 χ^2/NDF : 17.1/22

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -200.104 ± 197.348 χ^2/NDF : 30.7/26

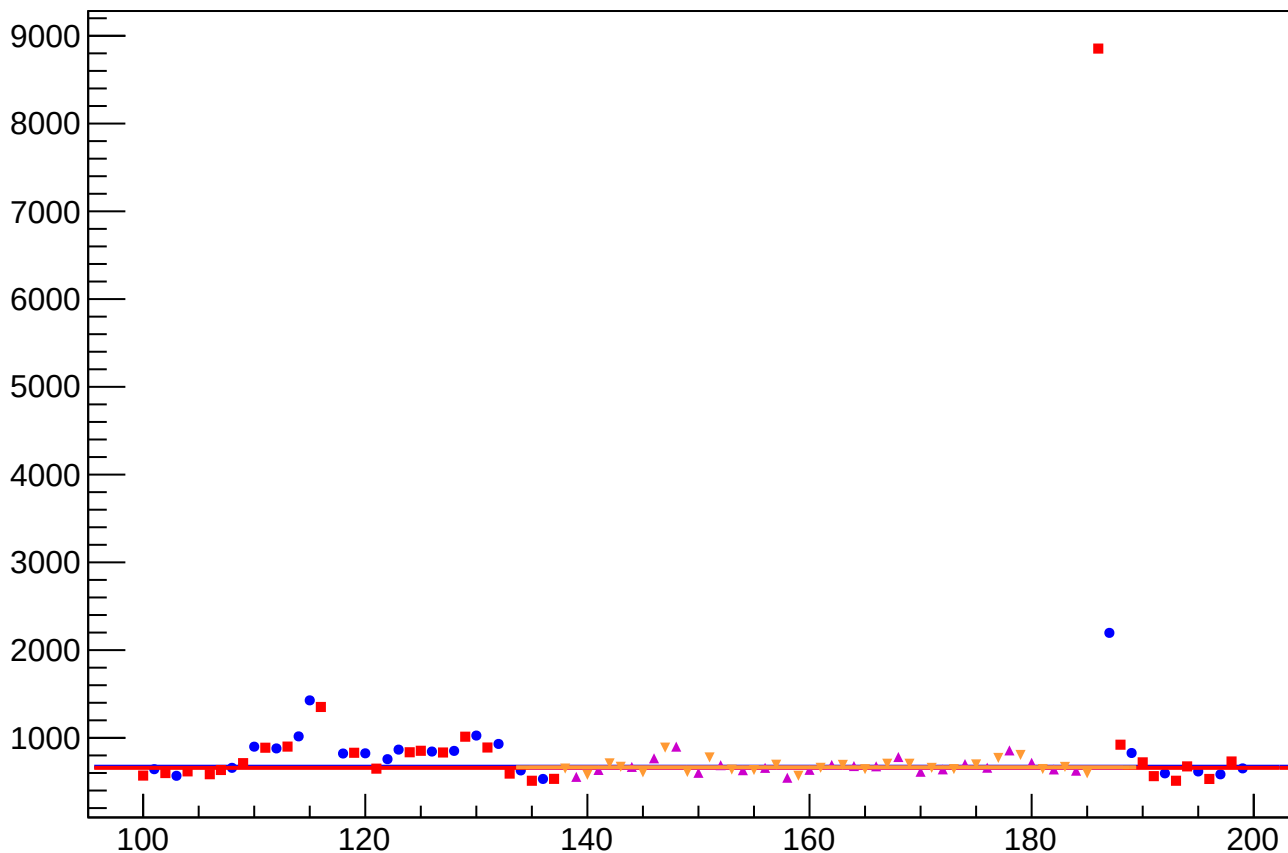
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -224.686 ± 125.669 χ^2/NDF : 38.8/47

All: -146.415 ± 88.286 χ^2/NDF : 108.1/97

- sign -70.140 ± 124.056 χ^2/NDF : 68.6/49

asym_sam_15_dd_rms vs Slug



Right In: 671.417 $\pm$ 0.150 χ^2 /NDF: 931064.2/22

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 658.500 $\pm$ 0.140 χ^2 /NDF: 1686528.6/26

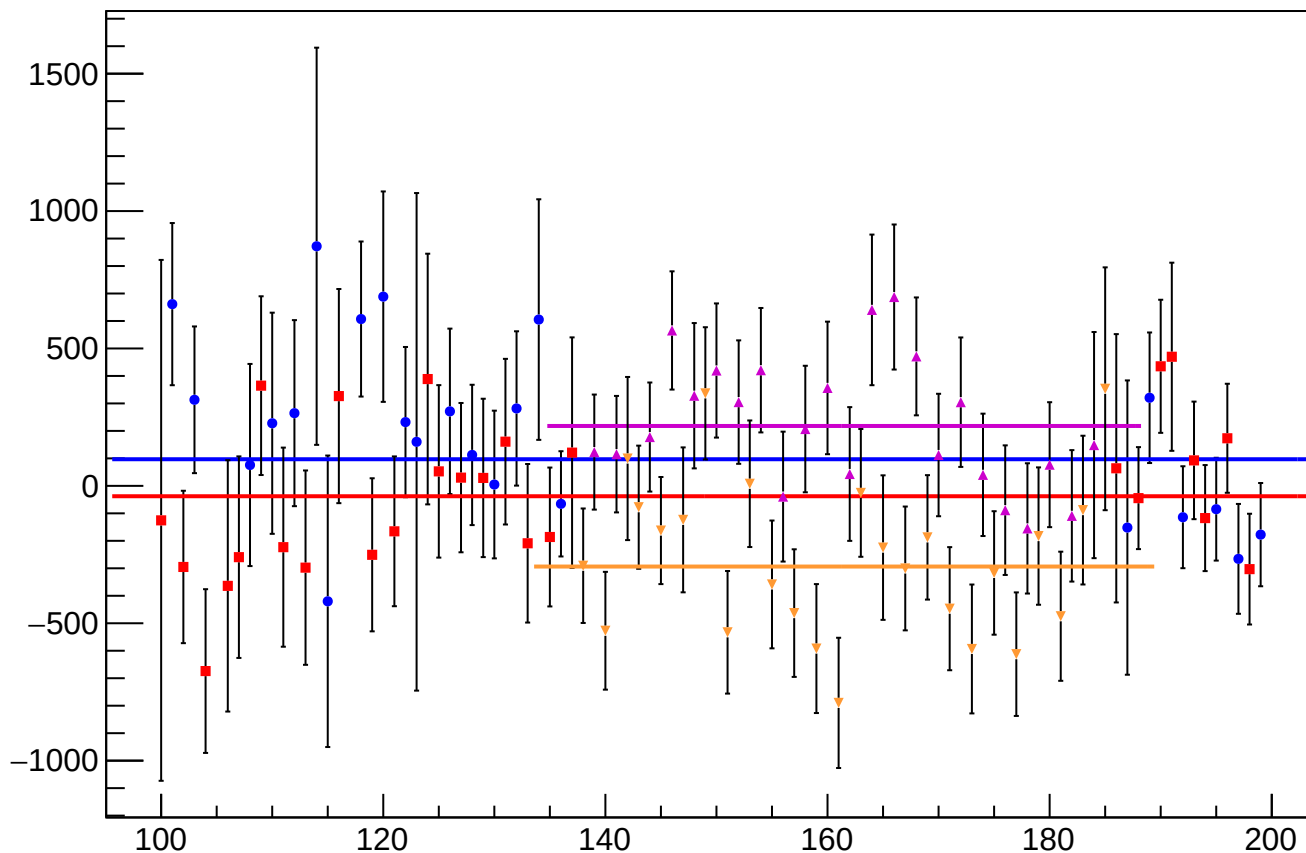
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 667.099 $\pm$ 0.089 χ^2 /NDF: 1289390.4/47

All: 663.476 $\pm$ 0.062 χ^2 /NDF: 3428558.6/97

- sign 659.946 $\pm$ 0.088 χ^2 /NDF: 2135886.0/49

reg_asym_sam_26_dd_mean vs Slug



Right In: 96.891 $\pm$ 57.274 χ^2 /NDF: 24.4/22

Left Out: -293.590 $\pm$ 47.203 χ^2 /NDF:30.3/24

Right Out: -37.769 $\pm$ 54.385 χ^2 /NDF: 22.1/26

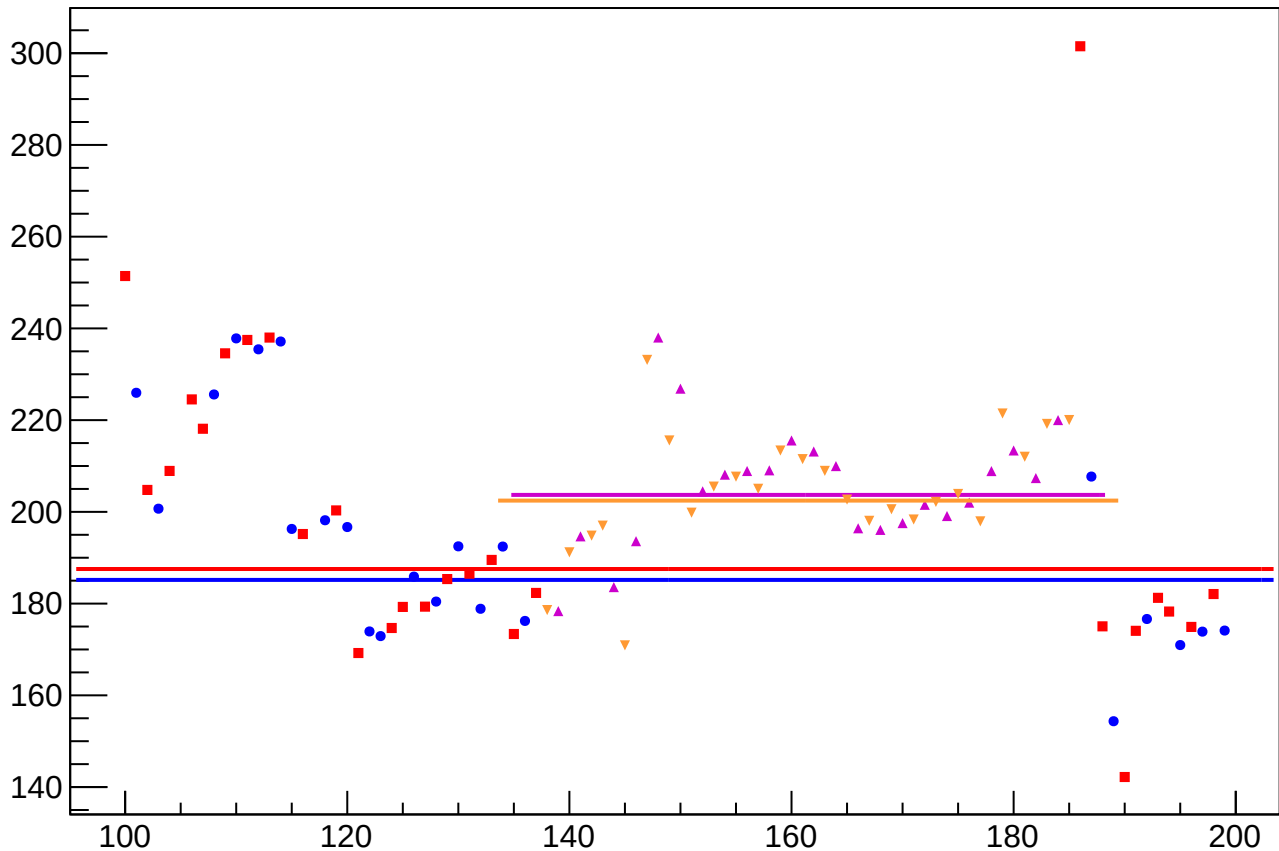
Left In: 217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

+ sign -135.643 $\pm$ 36.426 χ^2 /NDF: 82.4/47

All: -15.578 $\pm$ 25.723 χ^2 /NDF: 159.7/97

- sign 103.849 $\pm$ 36.329 χ^2 /NDF: 55.7/49

reg_asym_sam_26_dd_rms vs Slug



Right In: 185.166 $\pm$ 0.040 χ^2 /NDF: 242853.2/22

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 187.542 $\pm$ 0.038 χ^2 /NDF: 407482.6/26

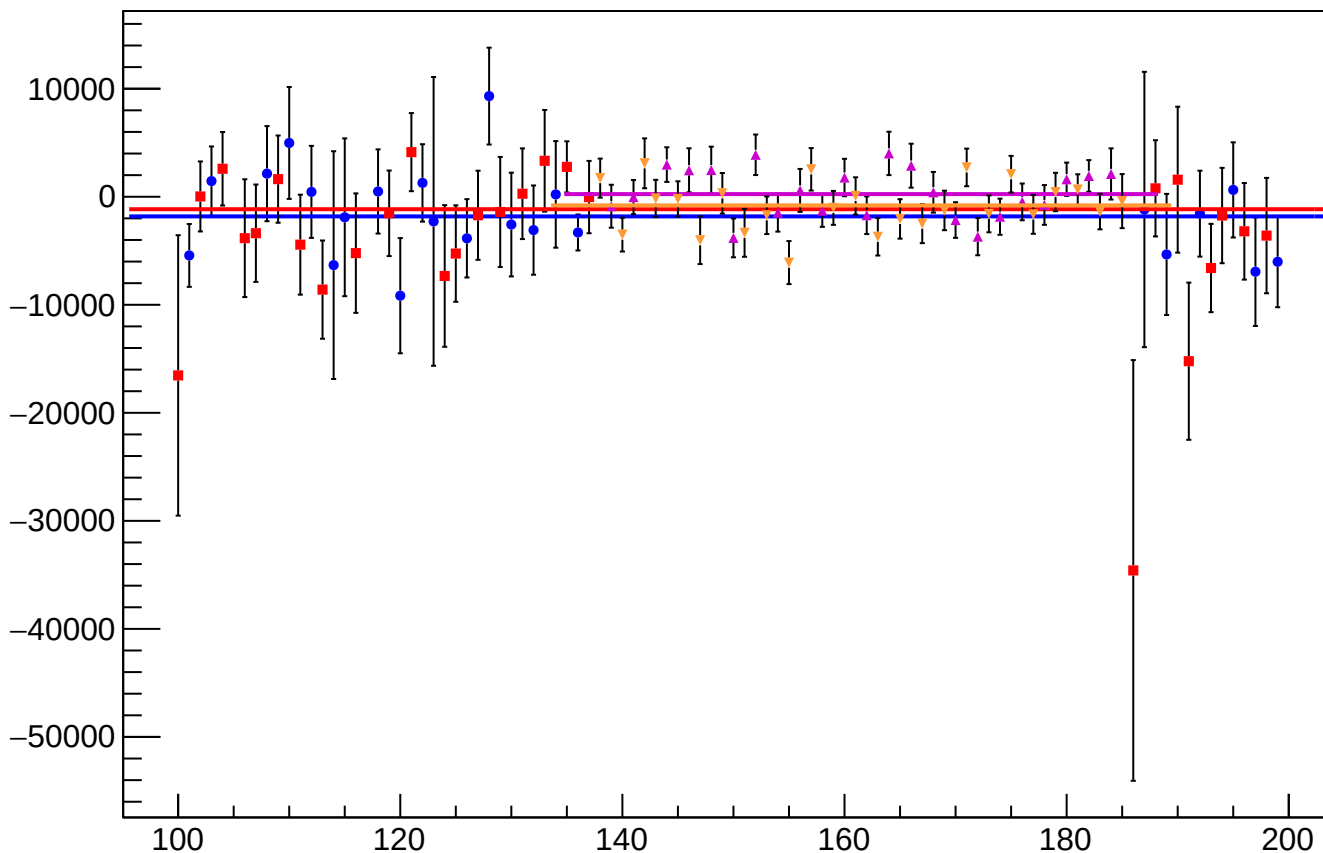
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 195.464 $\pm$ 0.026 χ^2 /NDF: 510014.5/47

All: 195.978 $\pm$ 0.018 χ^2 /NDF: 1152232.4/97

- sign 196.489 $\pm$ 0.026 χ^2 /NDF: 641423.0/49

asym_sam_26_dd_correction_mean vs Slug



Right In: -1818.405 ± 830.548 χ^2/NDF : 18.9/22

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1153.294 ± 836.155 χ^2/NDF : 24.5/26

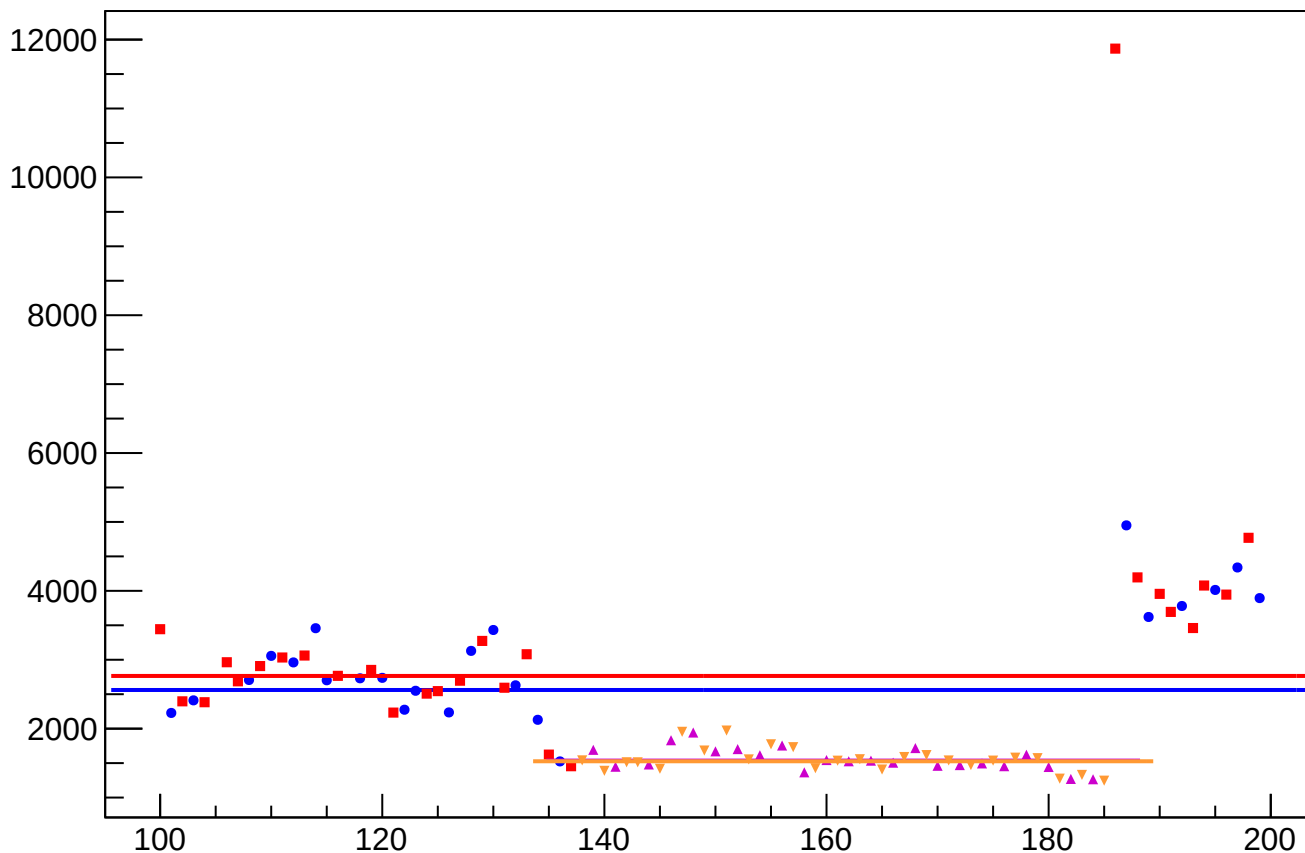
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -956.528 ± 328.644 χ^2/NDF : 55.9/47

All: -484.113 ± 235.705 χ^2/NDF : 122.7/97

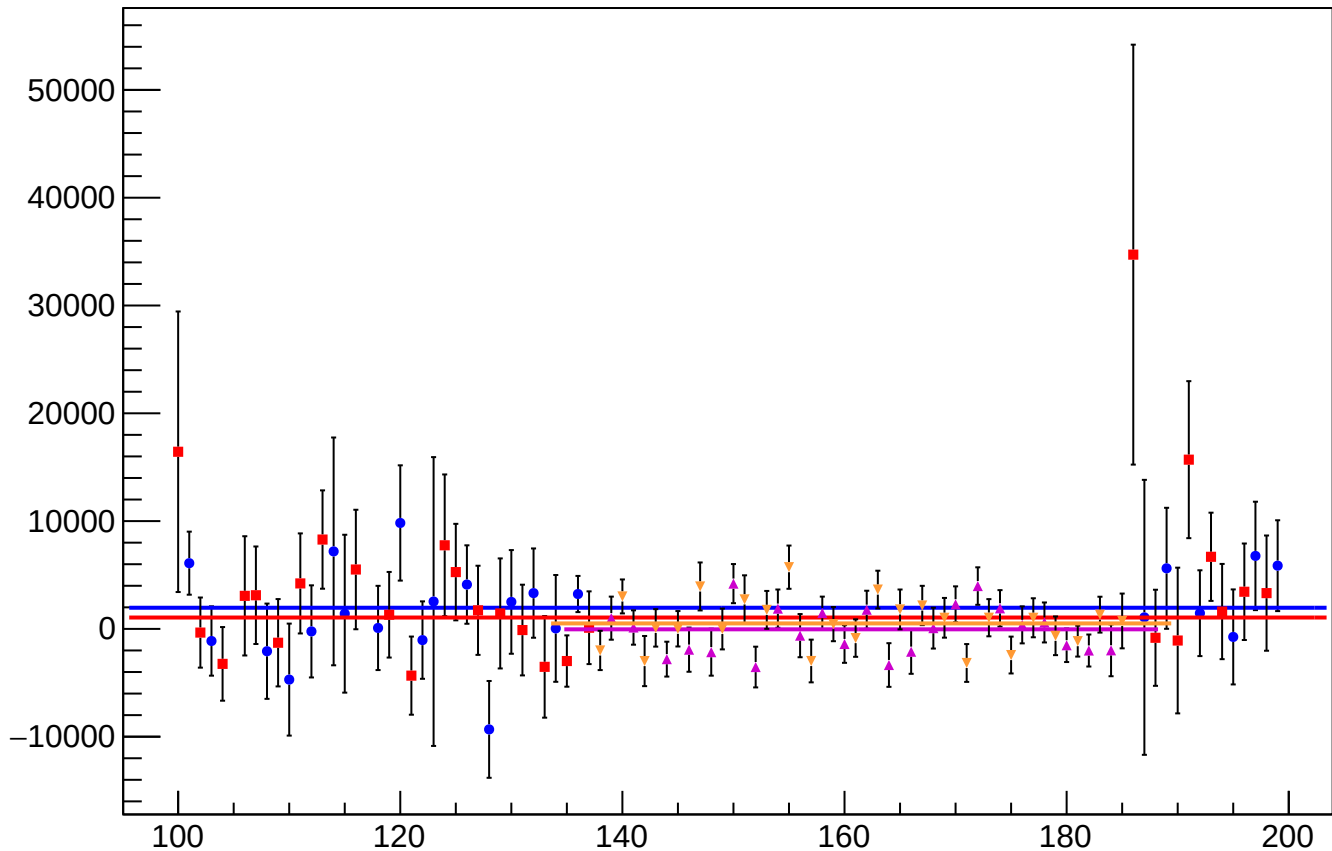
- sign 16.281 ± 338.236 χ^2/NDF : 62.5/49

asym_sam_26_dd_correction_rms vs Slug



Right In: 2561.190+/-0.587	χ^2/NDF : 2004860.5/22	+ sign 1688.685+/-0.232	χ^2/NDF : 5016668.8/47
Left Out: 1526.712+/-0.253	χ^2/NDF : 394892.7/24	All: 1712.411+/-0.167	χ^2/NDF : 11326766.8/9
Right Out: 2764.941+/-0.591	χ^2/NDF : 2328019.2/26	- sign 1737.543+/-0.239	χ^2/NDF : 6288632.0/49
Left In: 1536.538+/-0.262	χ^2/NDF : 350373.3/22		

asym_sam_26_dd_mean vs Slug



Right In: 1962.149 ± 833.726 χ^2/NDF : 19.1/22

Left Out: 507.982 ± 361.172 χ^2/NDF : 35.4/24

Right Out: 1054.729 ± 839.048 χ^2/NDF : 25.3/26

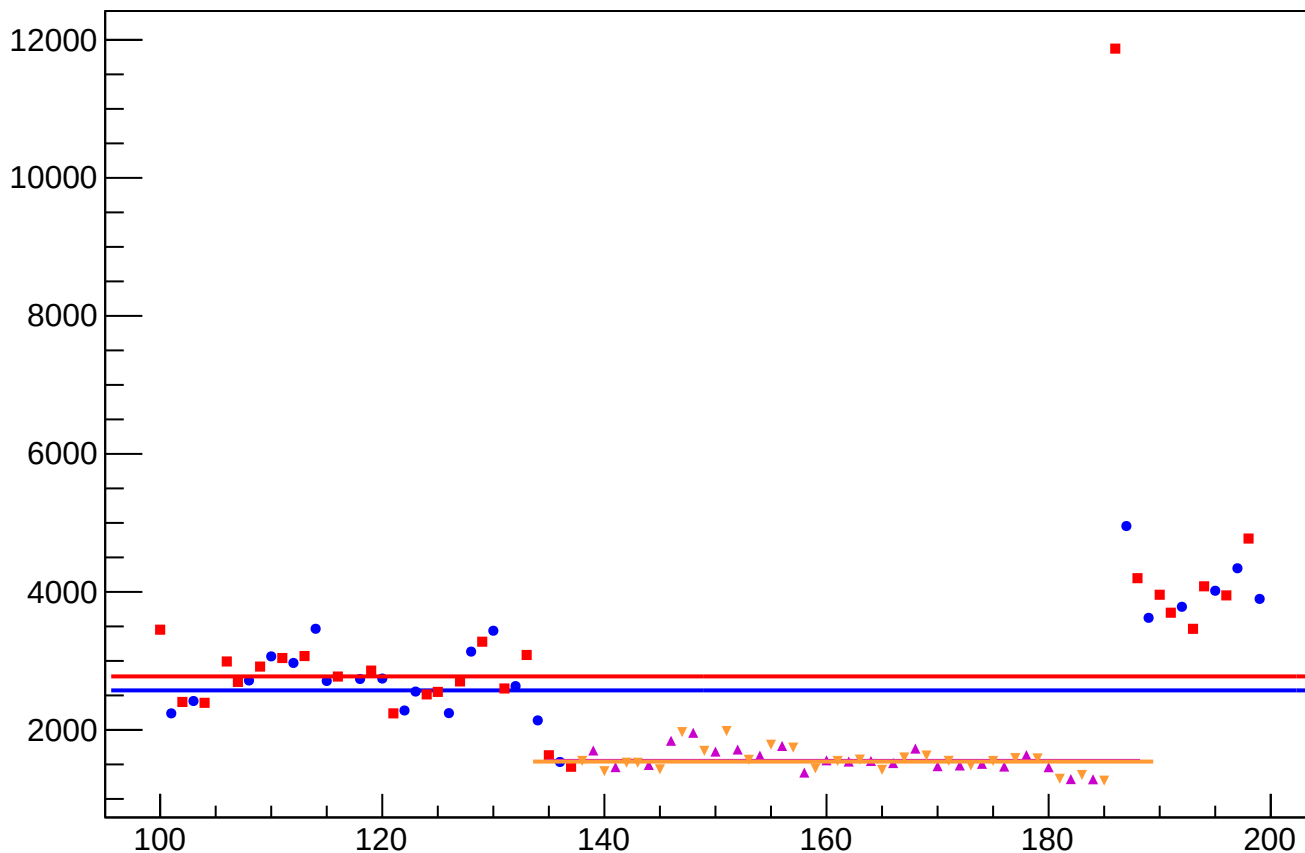
Left In: -40.080 ± 373.261 χ^2/NDF : 33.6/22

+ sign 737.757 ± 331.412 χ^2/NDF : 57.0/47

All: 447.818 ± 237.674 χ^2/NDF : 118.9/97

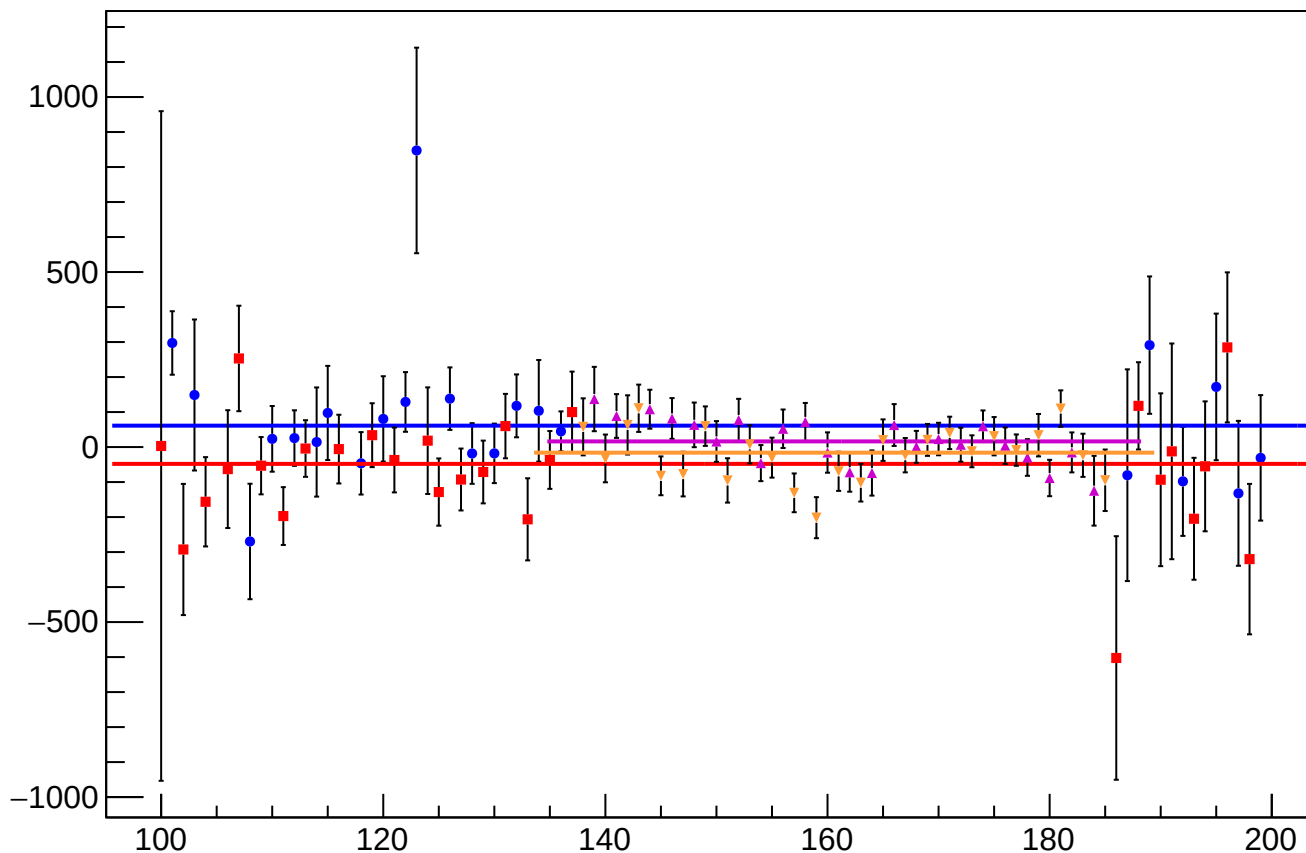
- sign 140.791 ± 341.037 χ^2/NDF : 60.3/49

asym_sam_26_dd_rms vs Slug



Right In: 2572.806+/-0.590	χ^2/NDF : 1979395.9/22	+ sign 1704.255+/-0.234	χ^2/NDF : 4939353.4/47
Left Out: 1541.258+/-0.255	χ^2/NDF : 382045.4/24	All: 1728.104+/-0.168	χ^2/NDF : 11162157.0/9
Right Out: 2775.556+/-0.593	χ^2/NDF : 2306698.4/26	- sign 1753.359+/-0.241	χ^2/NDF : 6201478.6/49
Left In: 1551.063+/-0.264	χ^2/NDF : 338898.9/22		

reg_asym_sam_37_dd_mean vs Slug



Right In: 61.132 ± 22.812 $\chi^2/\text{NDF}: 27.8/22$

Left Out: -16.049 ± 11.340 $\chi^2/\text{NDF}: 39.7/24$

Right Out: -48.077 ± 22.470 $\chi^2/\text{NDF}: 26.2/26$

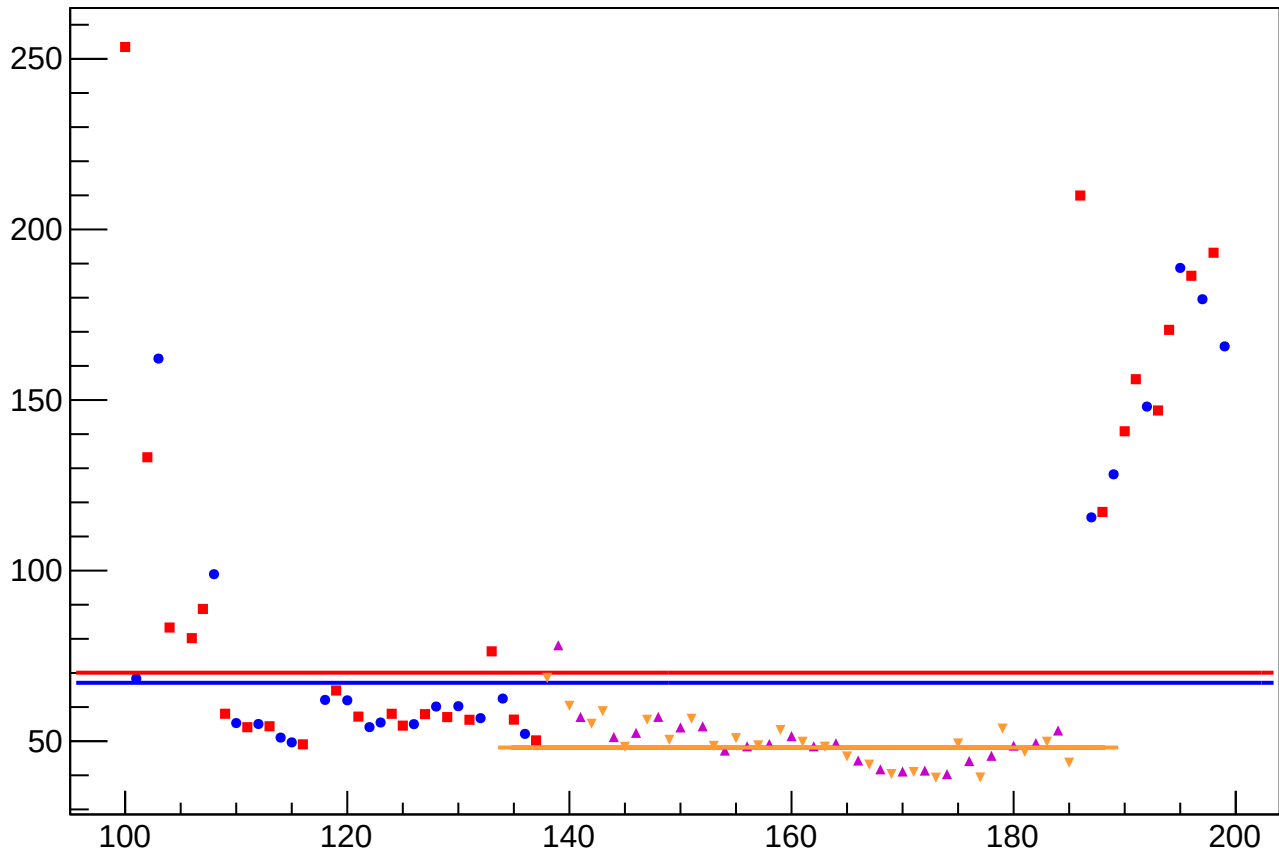
Left In: 16.162 ± 11.649 $\chi^2/\text{NDF}: 25.2/22$

+ sign -0.756 ± 10.154 $\chi^2/\text{NDF}: 76.7/47$

All: 0.868 ± 7.246 $\chi^2/\text{NDF}: 134.7/97$

- sign 2.553 ± 10.342 $\chi^2/\text{NDF}: 57.9/49$

reg_asym_sam_37_dd_rms vs Slug



Right In: 67.115 $\pm$ 0.016 χ^2 /NDF: 3539617.8/22

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 70.077 $\pm$ 0.016 χ^2 /NDF: 4150673.6/26

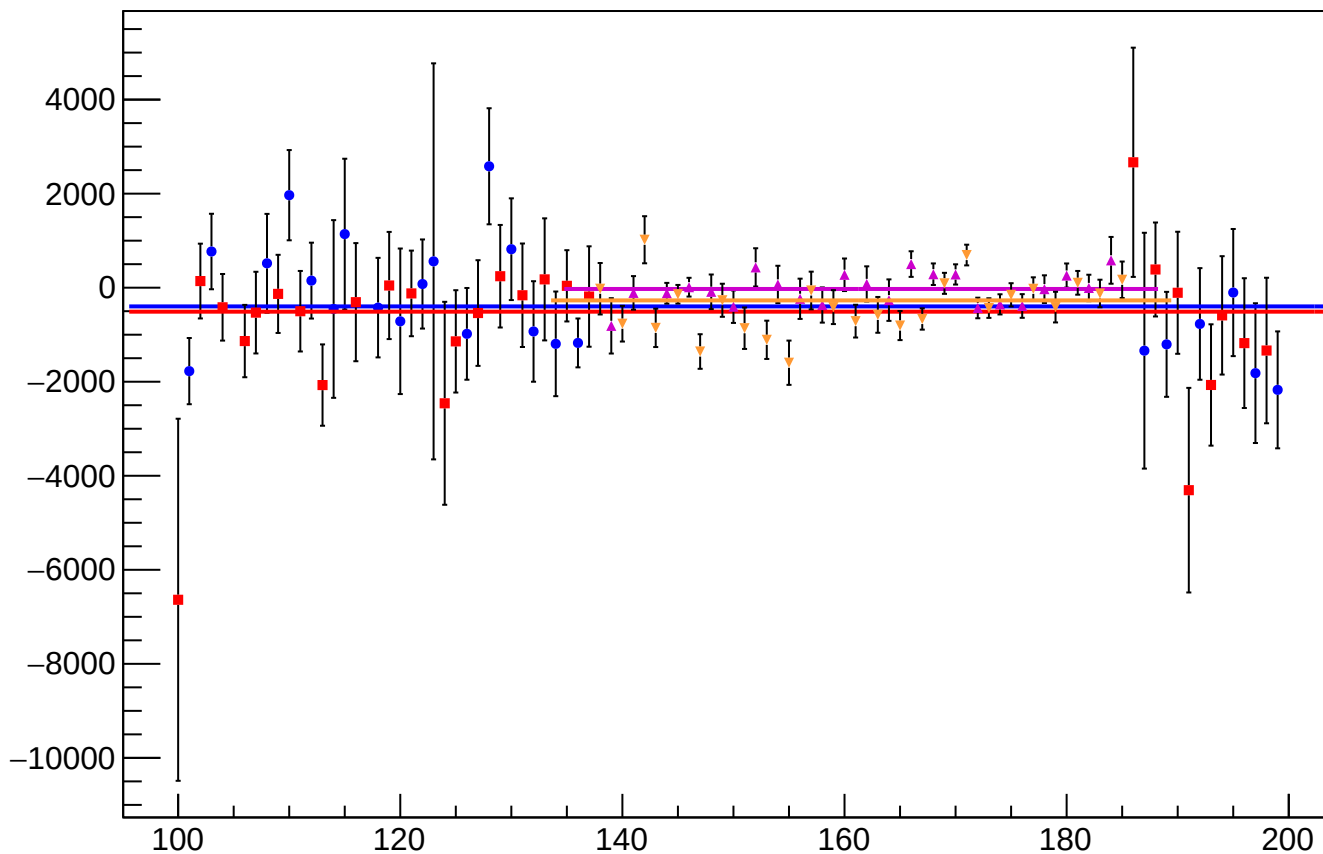
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 51.900 $\pm$ 0.007 χ^2 /NDF: 5304356.0/47

All: 52.335 $\pm$ 0.005 χ^2 /NDF: 11540095.8/97

- sign 52.787 $\pm$ 0.007 χ^2 /NDF: 6228262.5/49

asym_sam_37_dd_correction_mean vs Slug



Right In: -398.223 ± 215.622 $\chi^2/\text{NDF}: 28.7/22$

Left Out: -270.214 ± 60.177 $\chi^2/\text{NDF}: 70.1/24$

Right Out: -510.021 ± 202.885 $\chi^2/\text{NDF}: 18.0/26$

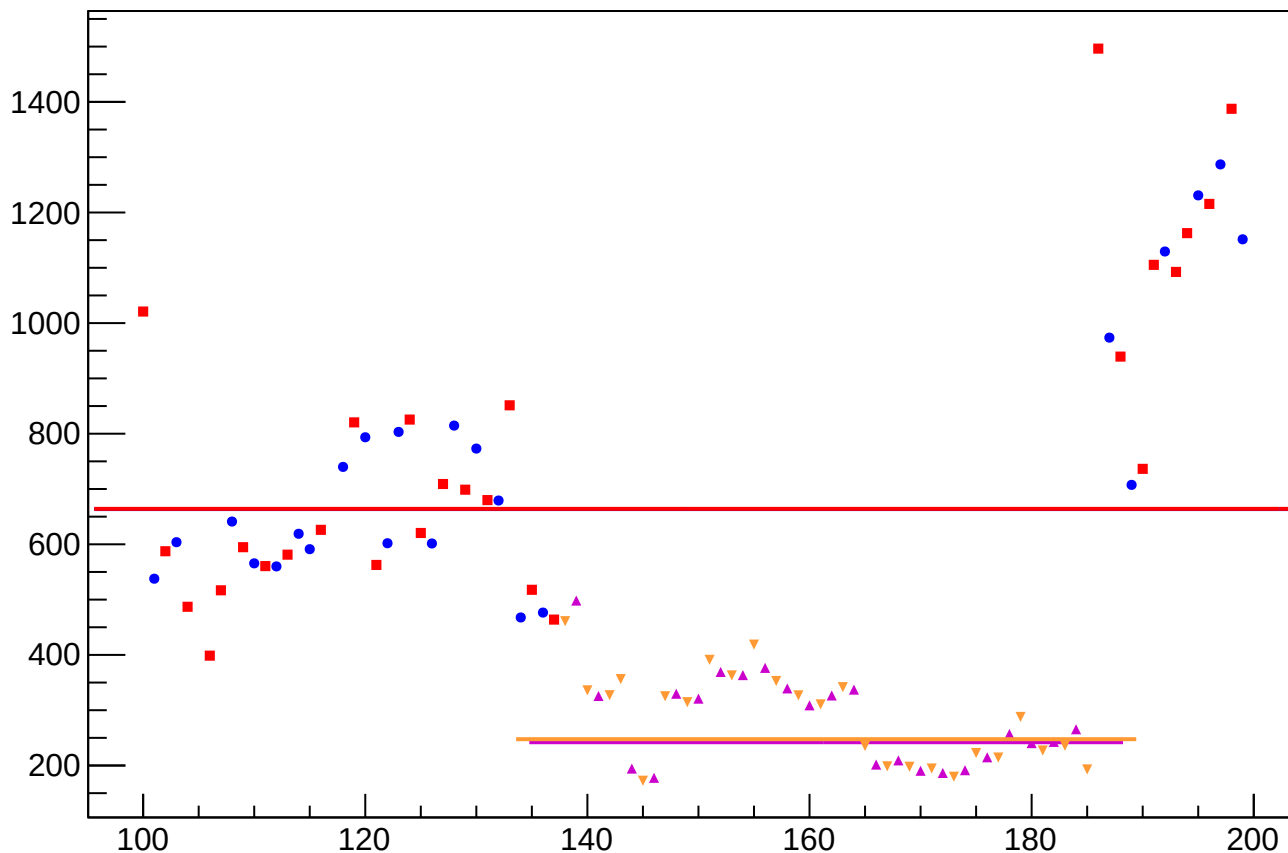
Left In: -27.271 ± 60.430 $\chi^2/\text{NDF}: 25.1/22$

+ sign -279.464 ± 57.962 $\chi^2/\text{NDF}: 99.1/47$

All: -172.951 ± 40.969 $\chi^2/\text{NDF}: 154.2/97$

- sign -66.610 ± 57.916 $\chi^2/\text{NDF}: 48.3/49$

asym_sam_37_dd_correction_rms vs Slug



Right In: 663.731+/-0.152 χ^2/NDF : 1903792.9/22

Left Out: 247.570+/-0.043 χ^2/NDF : 2780931.0/24

Right Out: 664.093+/-0.143 χ^2/NDF : 2552573.8/26

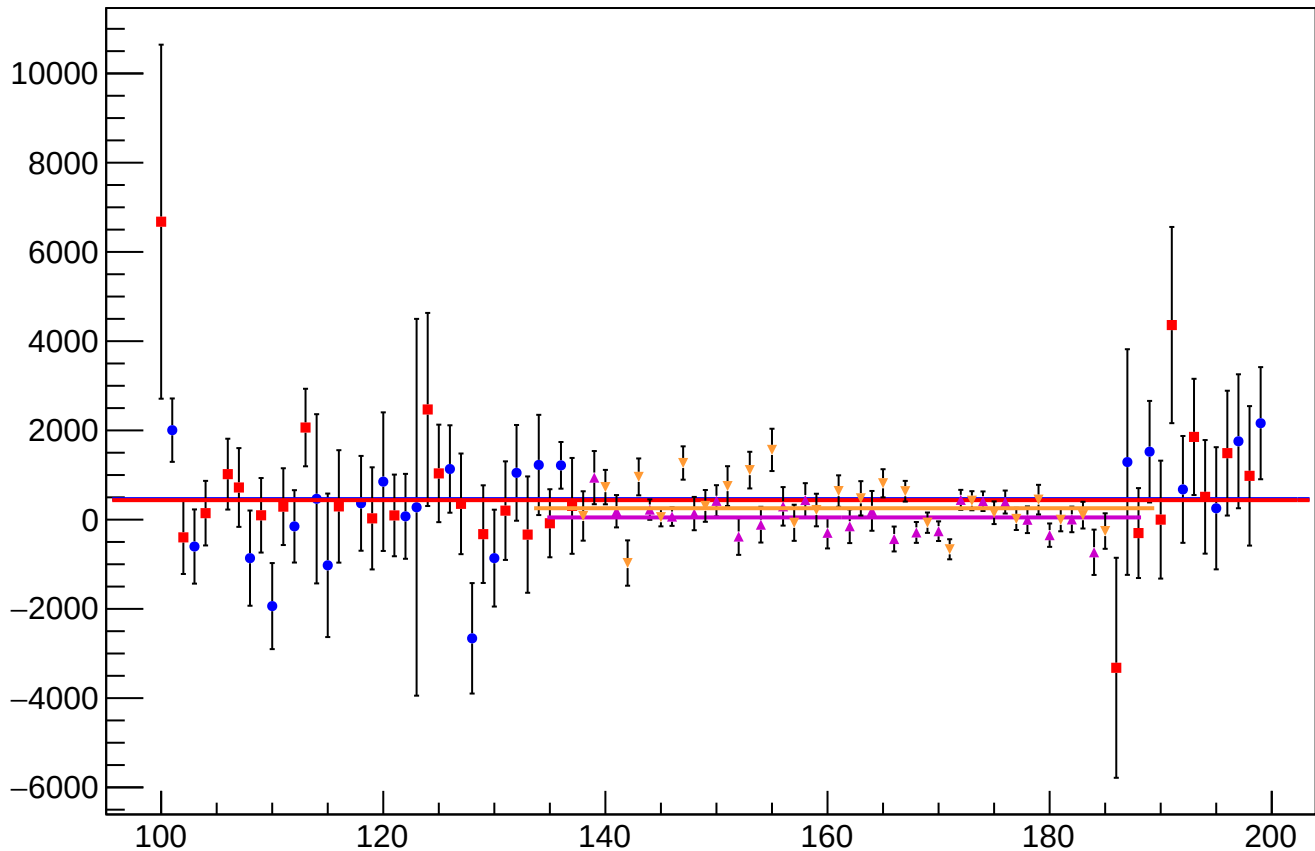
Left In: 242.117+/-0.043 χ^2/NDF : 2466108.9/22

+ sign 277.643+/-0.041 χ^2/NDF : 11596571.3/47

All: 277.072+/-0.029 χ^2/NDF : 24562430.3/97

- sign 276.503+/-0.041 χ^2/NDF : 12965471.8/49

asym_sam_37_dd_mean vs Slug



Right In: 460.301 $\pm$ 217.577 χ^2 /NDF: 30.5/22

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF:63.6/24

Right Out: 436.924 $\pm$ 205.209 χ^2 /NDF: 18.9/26

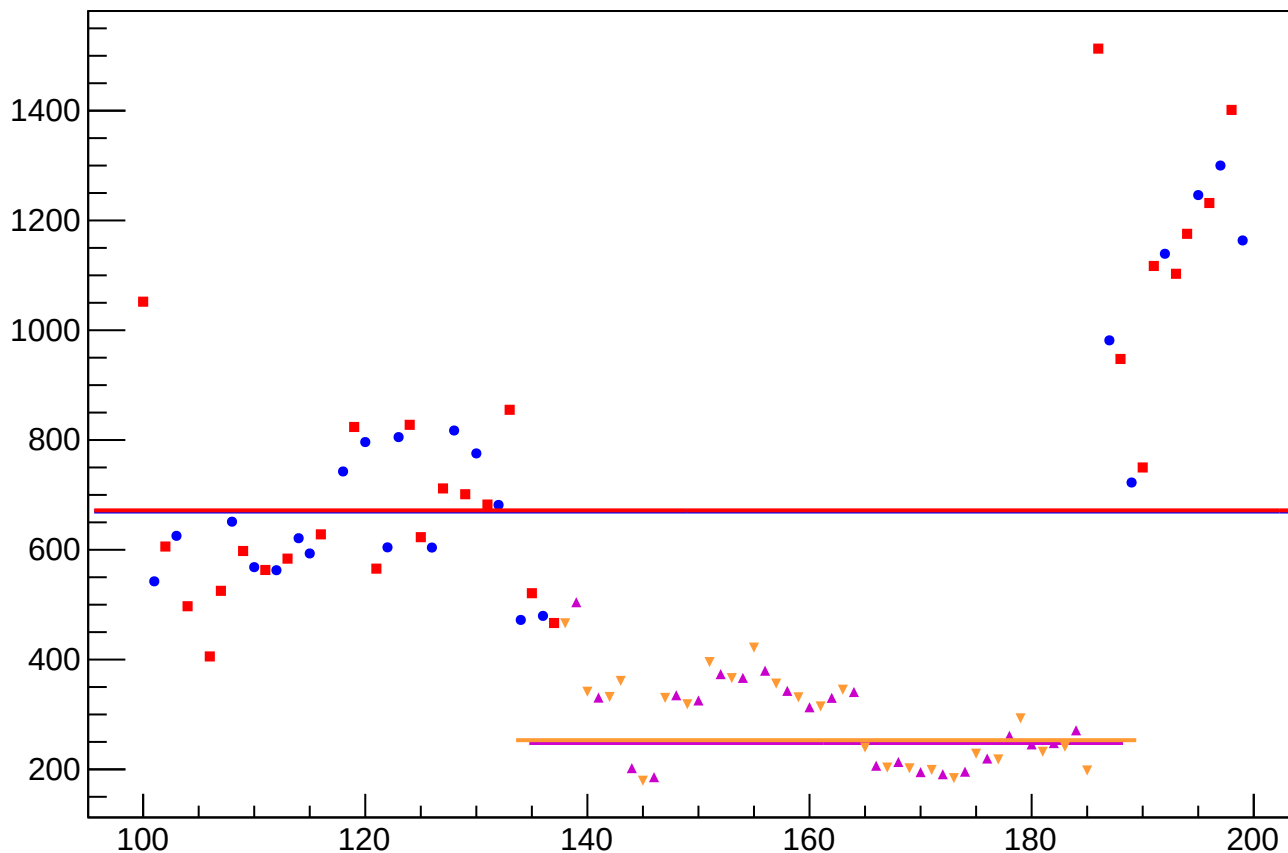
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF:27.5/22

+ sign 271.073 $\pm$ 59.109 χ^2 /NDF: 94.9/47

All: 176.617 $\pm$ 41.814 χ^2 /NDF: 149.7/97

- sign 82.002 $\pm$ 59.158 χ^2 /NDF: 49.7/49

asym_sam_37_dd_rms vs Slug



Right In: 669.738 $\pm$ 0.154 χ^2 /NDF: 1908720.1/22

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 671.798 $\pm$ 0.145 χ^2 /NDF: 2529755.2/26

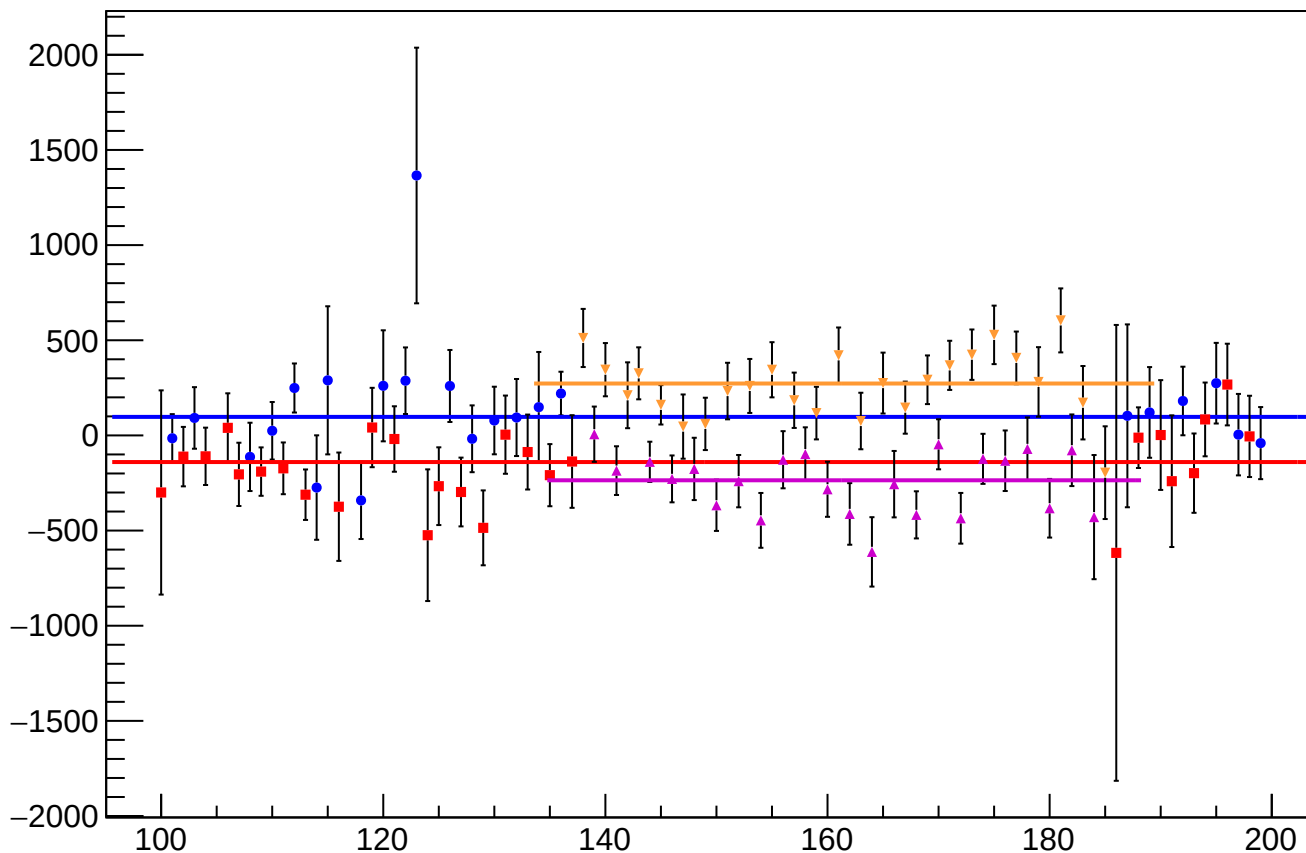
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 283.883 $\pm$ 0.042 χ^2 /NDF: 11365901.6/47

All: 283.584 $\pm$ 0.030 χ^2 /NDF: 24057717.3/97

- sign 283.283 $\pm$ 0.042 χ^2 /NDF: 12691712.8/49

reg_asym_sam_48_dd_mean vs Slug



Right In: 97.342 $\pm$ 39.051 χ^2 /NDF: 19.6/22

Left Out: 272.684 $\pm$ 29.221 χ^2 /NDF: 27.4/24

Right Out: -139.956 $\pm$ 36.676 χ^2 /NDF: 17.9/26

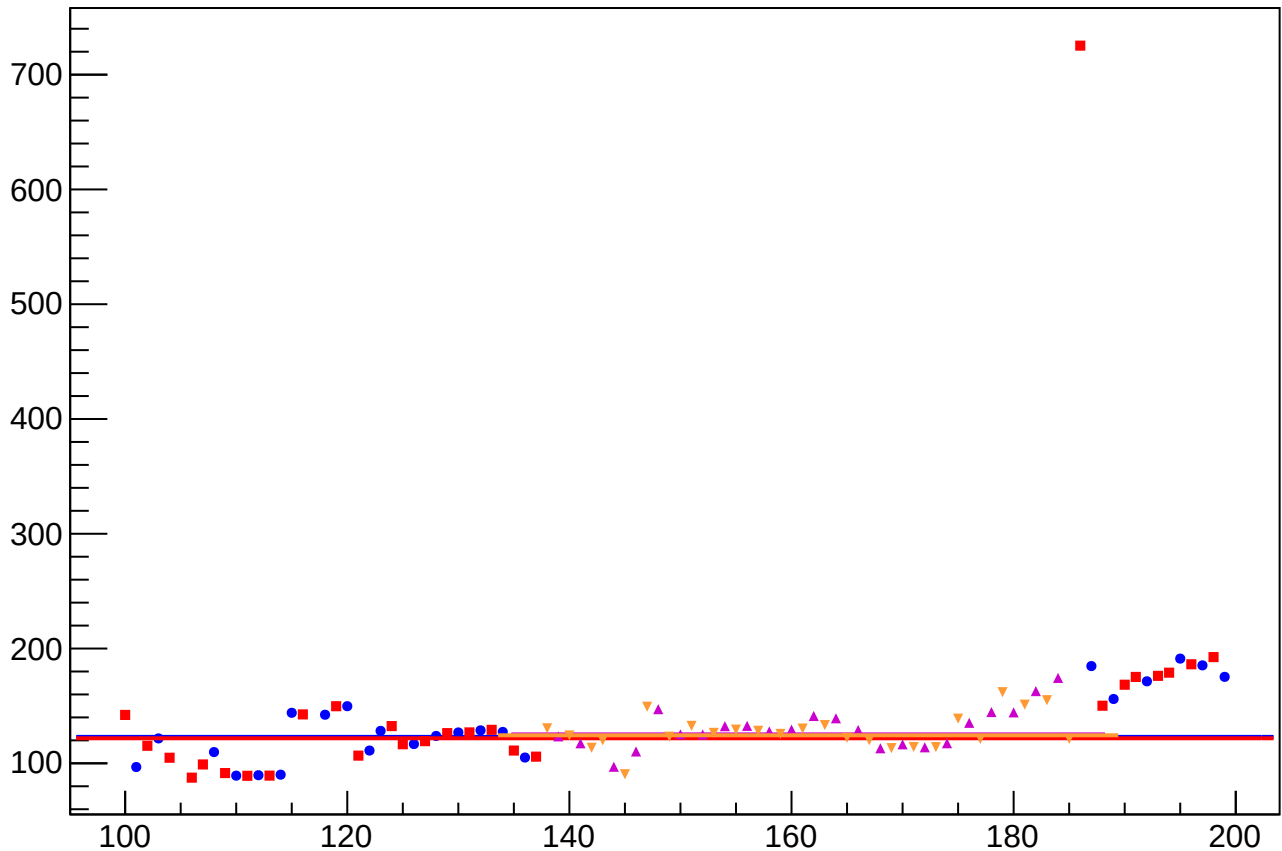
Left In: -235.801 $\pm$ 30.232 χ^2 /NDF: 24.6/22

+ sign 209.747 $\pm$ 23.396 χ^2 /NDF: 59.9/47

All: 5.767 $\pm$ 16.520 χ^2 /NDF: 258.1/97

- sign -197.025 $\pm$ 23.328 χ^2 /NDF: 46.6/49

reg_asym_sam_48_dd_rms vs Slug



Right In: 123.020 $\pm$ 0.028 χ^2 /NDF: 1209588.6/22

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 121.815 $\pm$ 0.026 χ^2 /NDF: 1959710.7/26

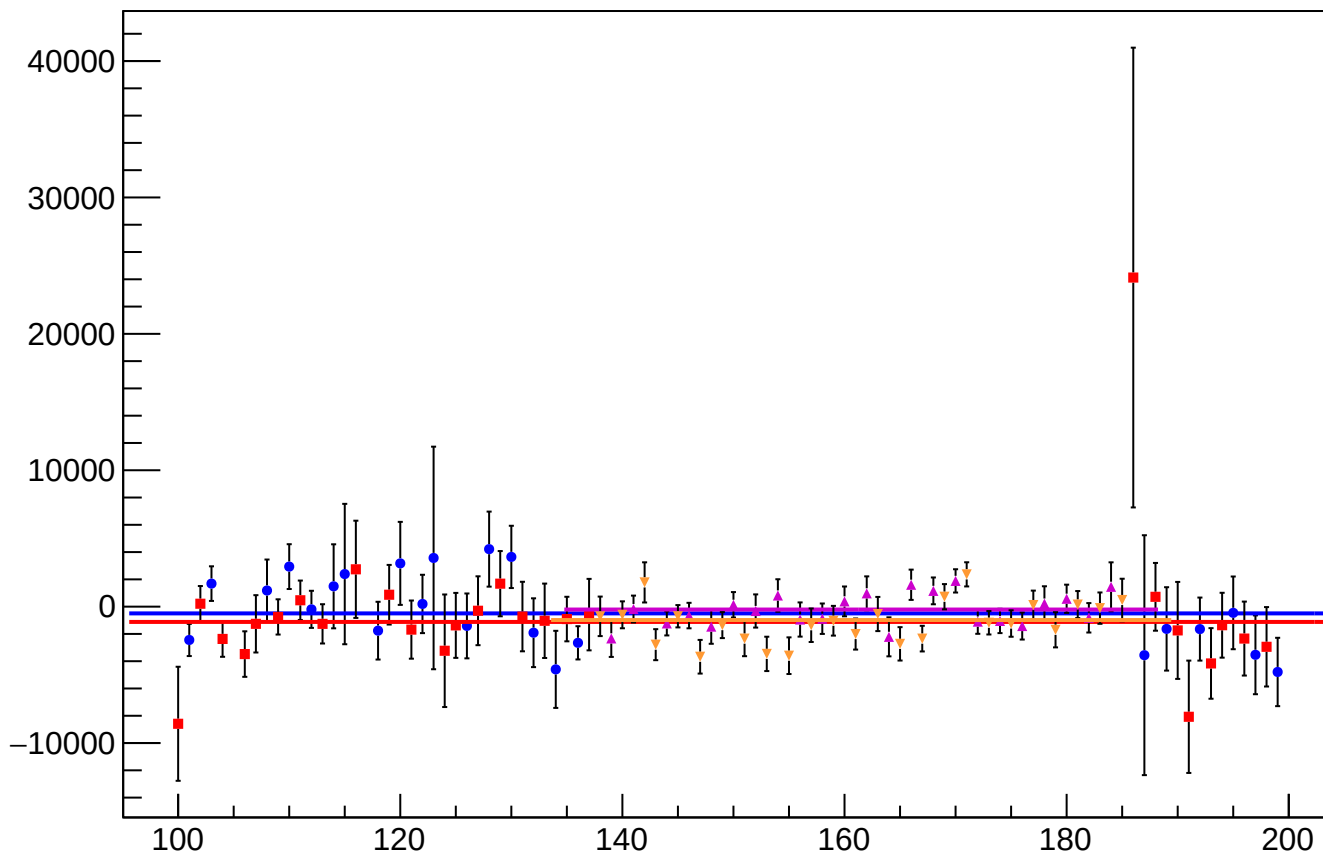
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 123.923 $\pm$ 0.017 χ^2 /NDF: 1750989.5/47

All: 123.878 $\pm$ 0.012 χ^2 /NDF: 4222279.9/97

- sign 123.833 $\pm$ 0.016 χ^2 /NDF: 2471275.8/49

asym_sam_48_dd_correction_mean vs Slug



Right In: -494.618 ± 432.861 $\chi^2/\text{NDF}: 30.0/22$

Left Out: -982.839 ± 218.021 $\chi^2/\text{NDF}: 47.2/24$

Right Out: -1120.288 ± 403.275 $\chi^2/\text{NDF}: 20.0/26$

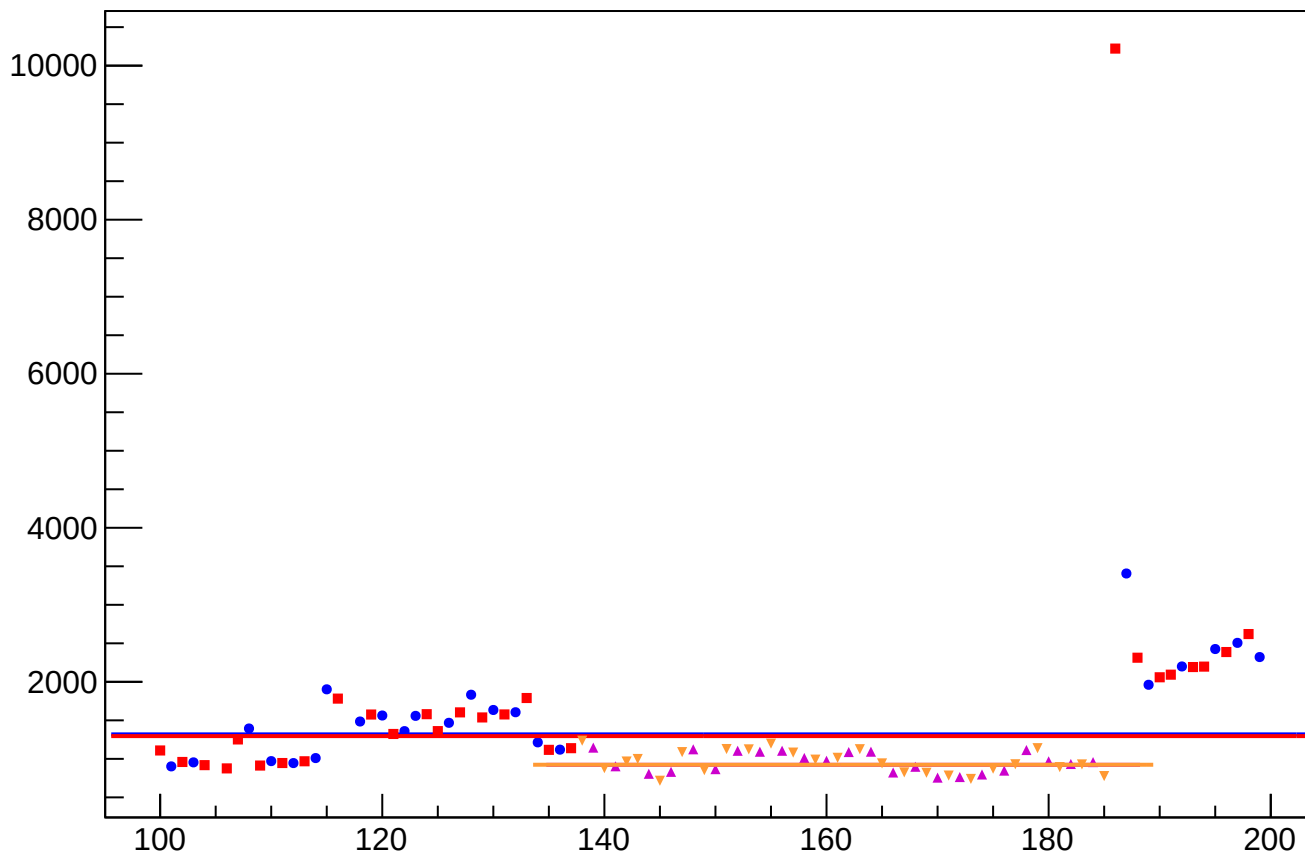
Left In: -211.420 ± 223.296 $\chi^2/\text{NDF}: 25.7/22$

+ sign -884.046 ± 194.717 $\chi^2/\text{NDF}: 78.2/47$

All: -655.110 ± 137.909 $\chi^2/\text{NDF}: 130.6/97$

- sign -424.686 ± 195.349 $\chi^2/\text{NDF}: 49.6/49$

asym_sam_48_dd_correction_rms vs Slug



Right In: 1317.821+/-0.306 χ^2/NDF : 2423766.3/22

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

Right Out: 1295.315+/-0.285 χ^2/NDF : 3409446.5/26

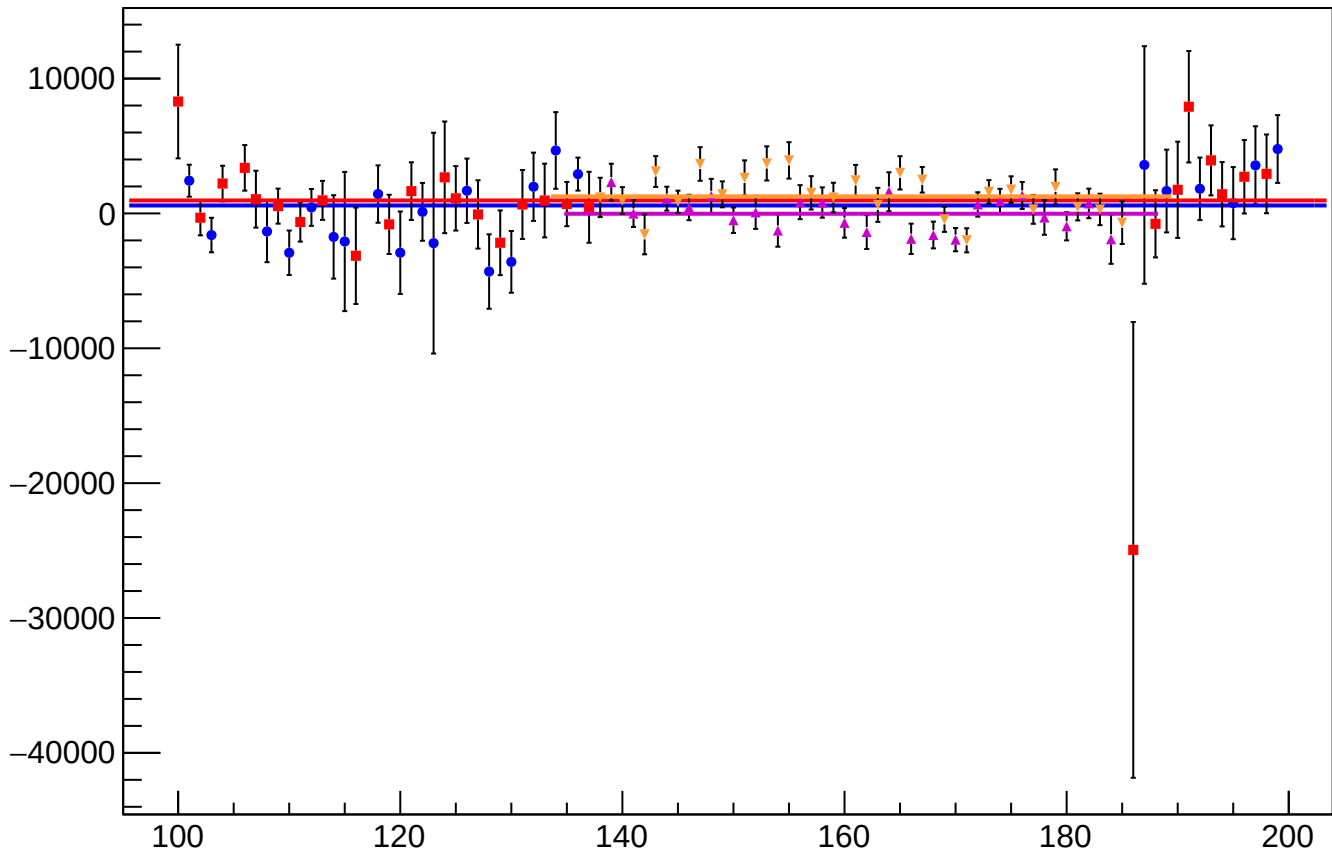
Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

+ sign 1003.361+/-0.138 χ^2/NDF : 4589809.8/47

All: 1006.563+/-0.098 χ^2/NDF : 9945040.3/97

- sign 1009.786+/-0.138 χ^2/NDF : 5354145.3/49

asym_sam_48_dd_mean vs Slug



Right In: 589.872 ± 434.878 χ^2/NDF : 30.1/22

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 961.709 ± 405.346 χ^2/NDF : 20.4/26

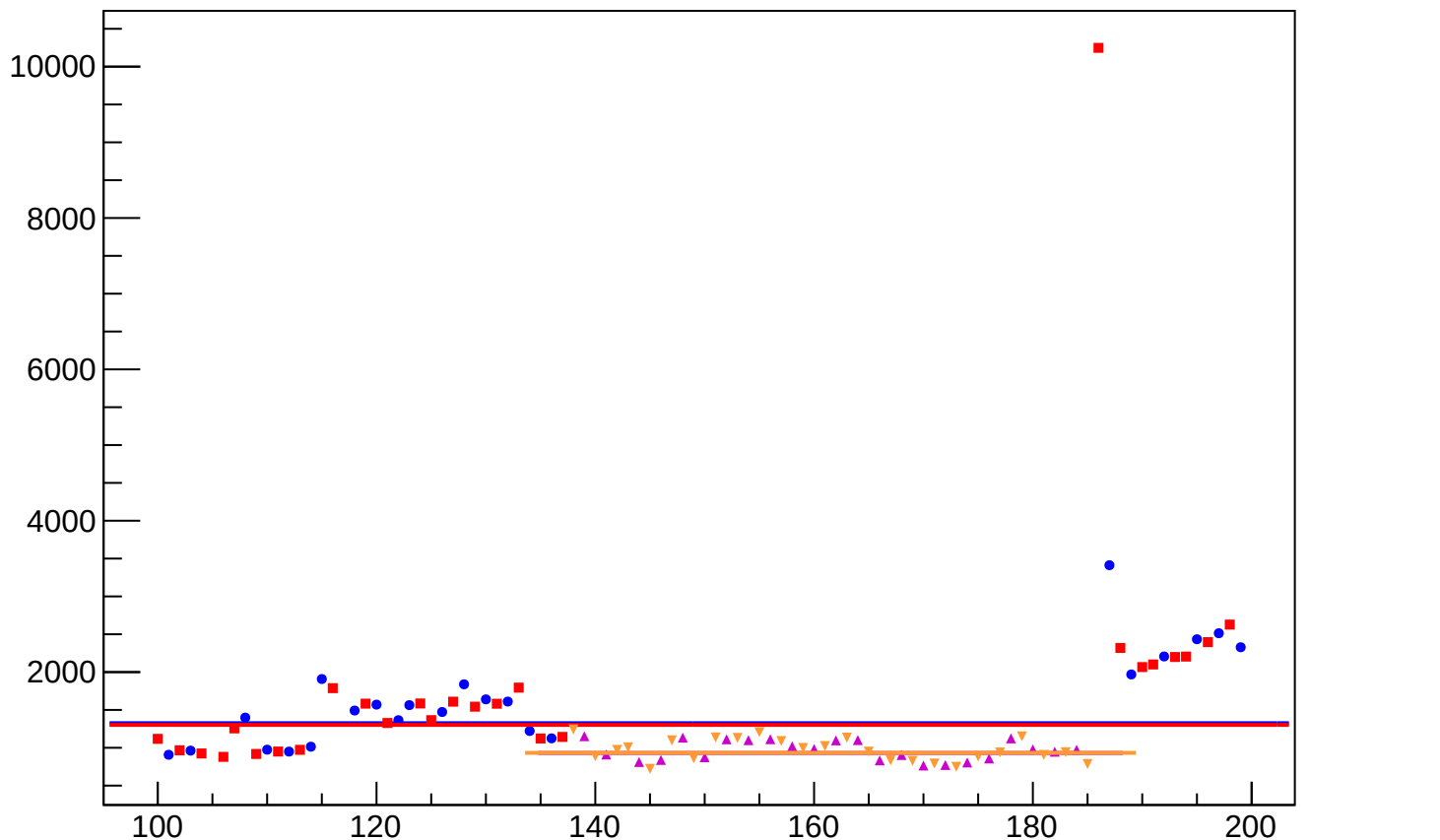
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1129.160 ± 196.404 χ^2/NDF : 76.9/47

All: 670.770 ± 139.107 χ^2/NDF : 139.9/97

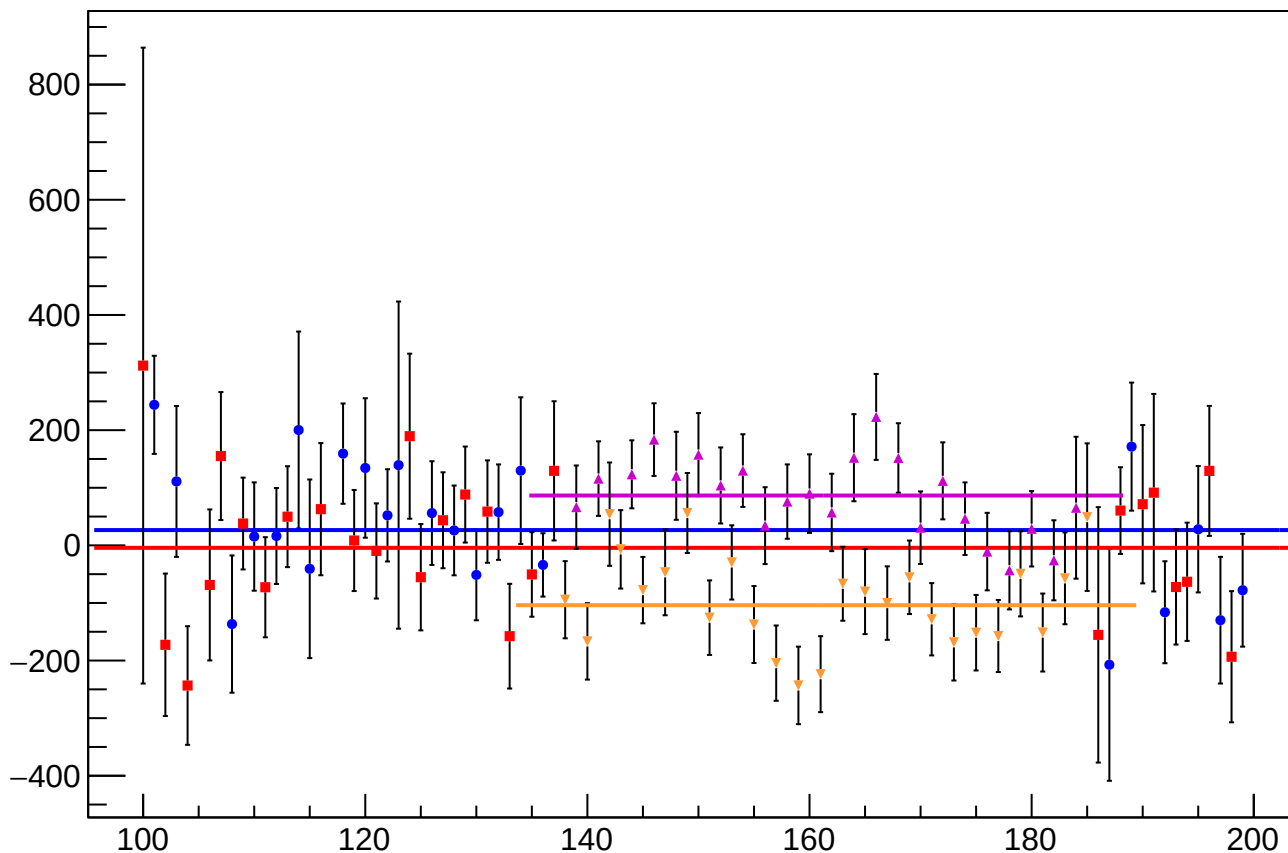
- sign 209.347 ± 197.052 χ^2/NDF : 52.1/49

asym_sam_48_dd_rms vs Slug



Right In: 1324.486 $\pm$ 0.308 χ^2 /NDF: 2410326.1/22 + sign 1012.663 $\pm$ 0.139 χ^2 /NDF: 4531876.3/47
 Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24 All: 1015.878 $\pm$ 0.098 χ^2 /NDF: 9828051.0/97
 Right Out: 1302.258 $\pm$ 0.287 χ^2 /NDF: 3392797.9/26 - sign 1019.114 $\pm$ 0.139 χ^2 /NDF: 5295099.5/49
 Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 26.540 ± 20.168 χ^2/NDF : 25.3/22

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: -4.285 ± 19.372 χ^2/NDF : 27.0/26

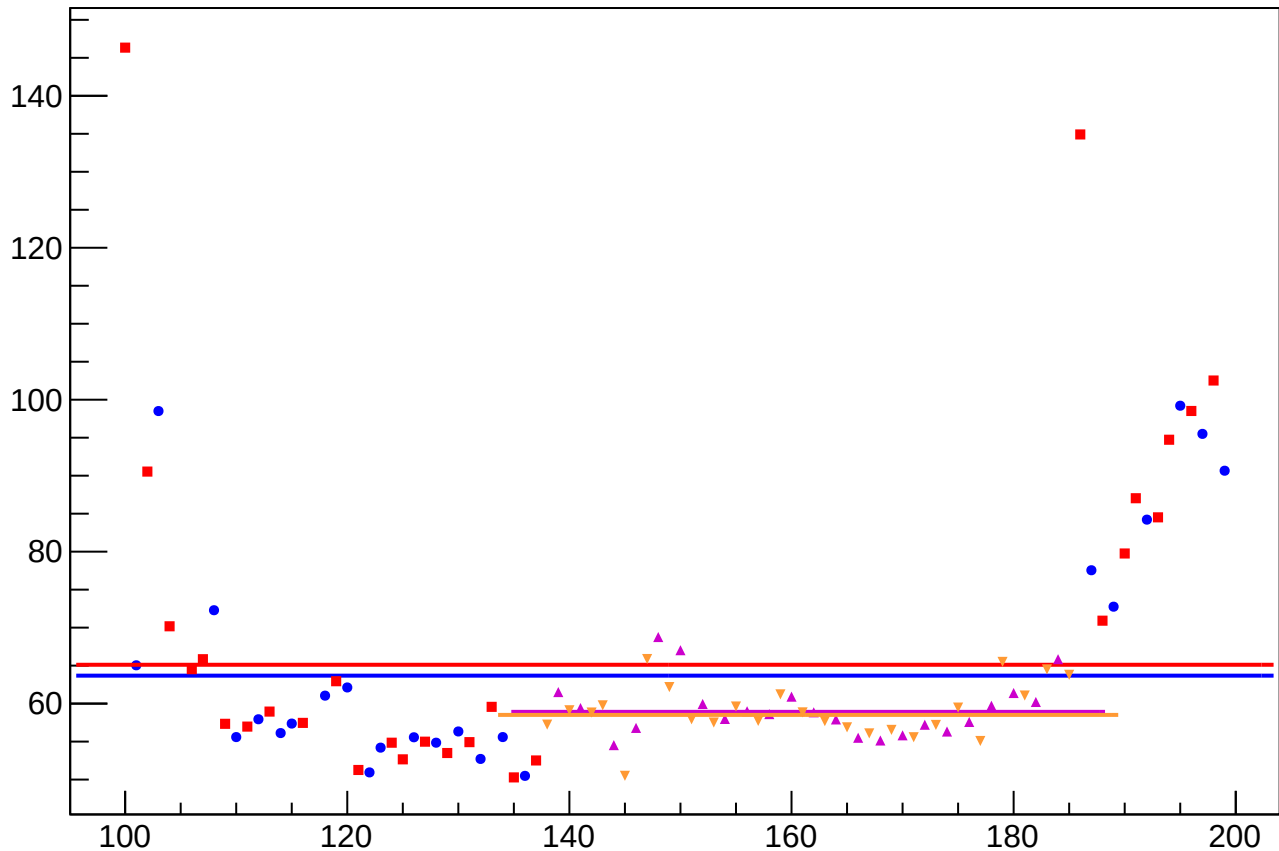
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -62.952 ± 11.300 χ^2/NDF : 84.0/47

All: -4.536 ± 8.029 χ^2/NDF : 200.7/97

- sign 55.029 ± 11.411 χ^2/NDF : 62.7/49

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 63.679+/-0.014 χ^2/NDF : 1115627.8/22

Left Out: 58.513+/-0.010 χ^2/NDF :123221.6/24

Right Out: 65.111+/-0.014 χ^2/NDF : 1395974.7/26

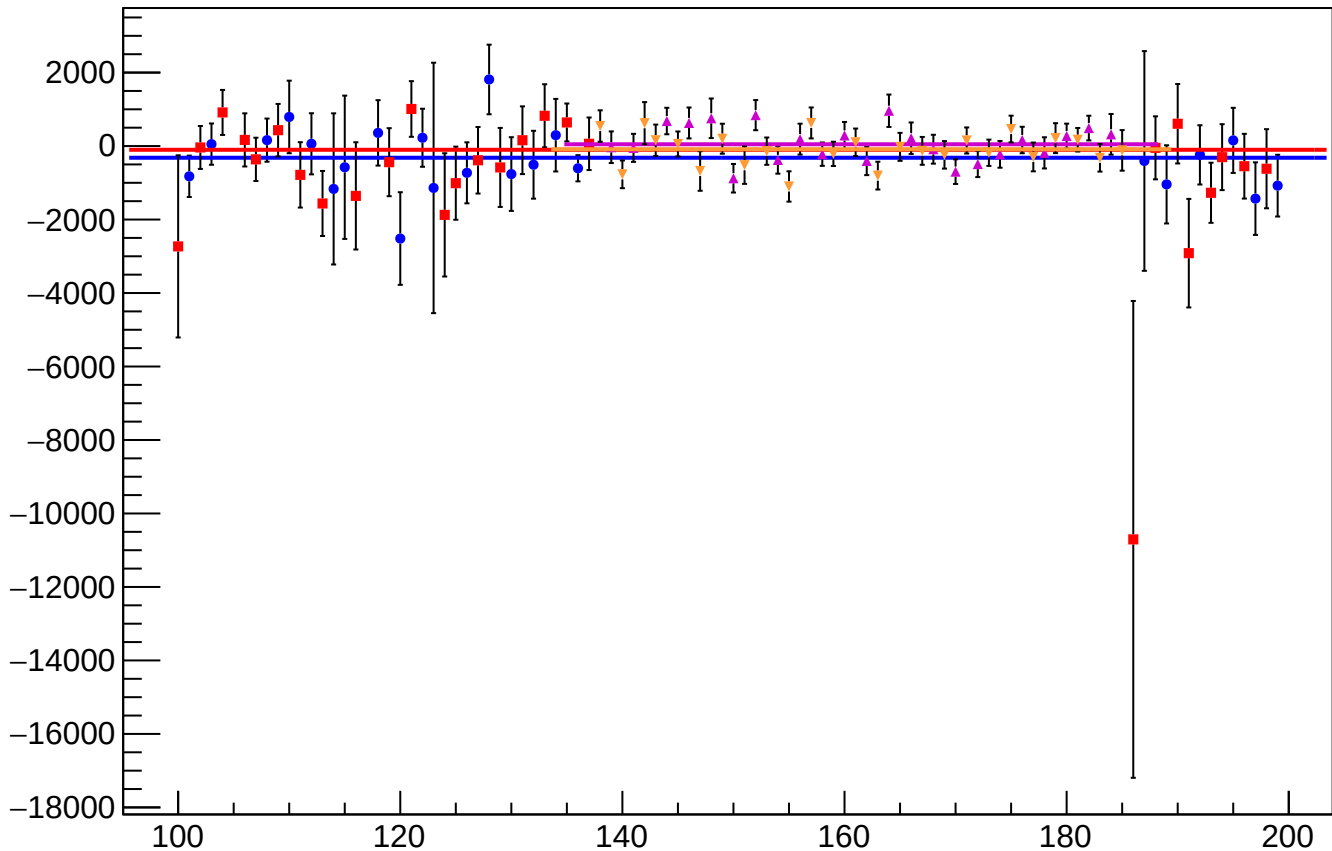
Left In: 58.913+/-0.010 χ^2/NDF :109968.0/22

+ sign 60.135+/-0.008 χ^2/NDF : 1328875.5/47

All: 60.595+/-0.006 χ^2/NDF : 2975210.3/97

- sign 61.064+/-0.008 χ^2/NDF : 1639639.0/49

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -318.038 ± 167.468 χ^2/NDF : 17.1/22

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -101.600 ± 162.811 χ^2/NDF : 26.1/26

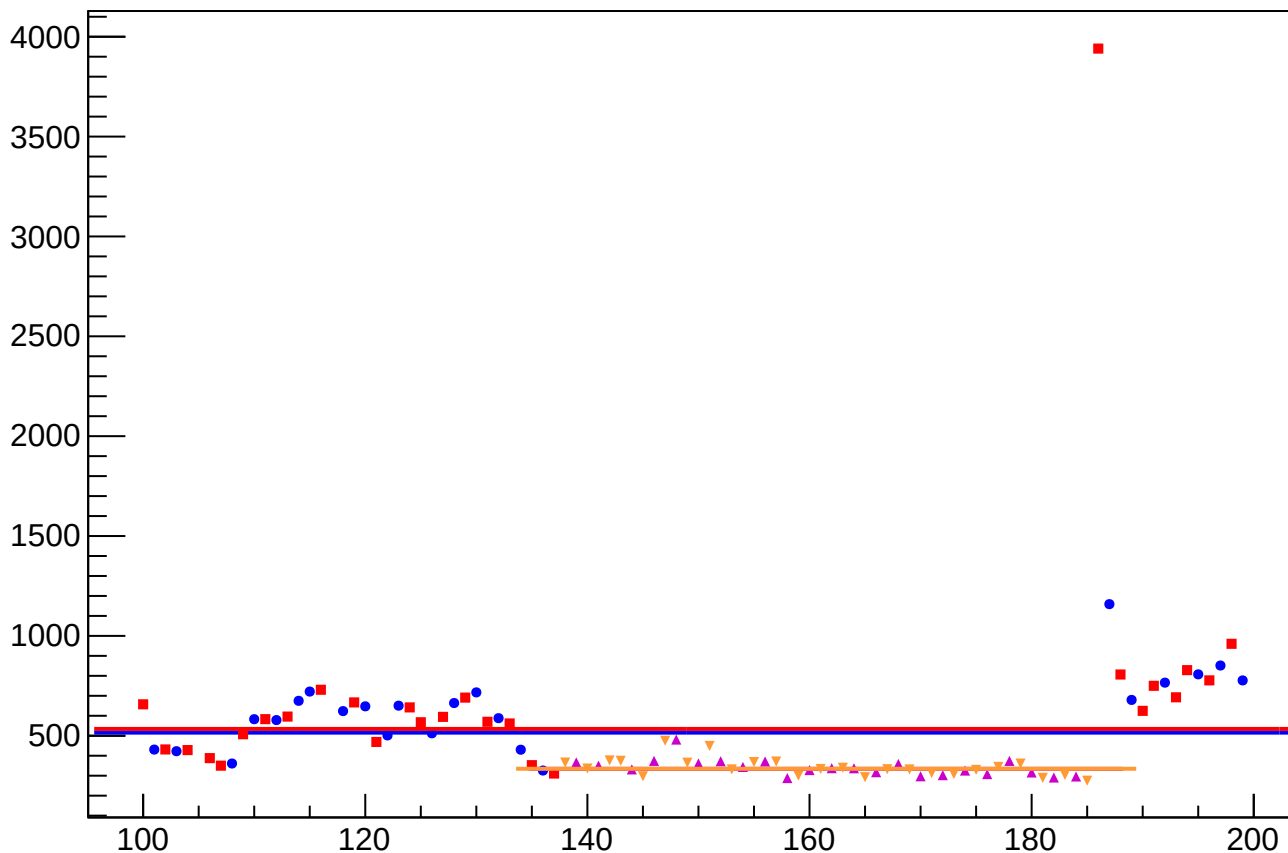
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -129.045 ± 71.121 χ^2/NDF : 46.4/47

All: -56.044 ± 50.666 χ^2/NDF : 110.7/97

- sign 19.180 ± 72.196 χ^2/NDF : 62.1/49

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 515.645+/-0.118 χ^2/NDF : 2047890.9/22

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

Right Out: 534.161+/-0.115 χ^2/NDF : 2590295.3/26

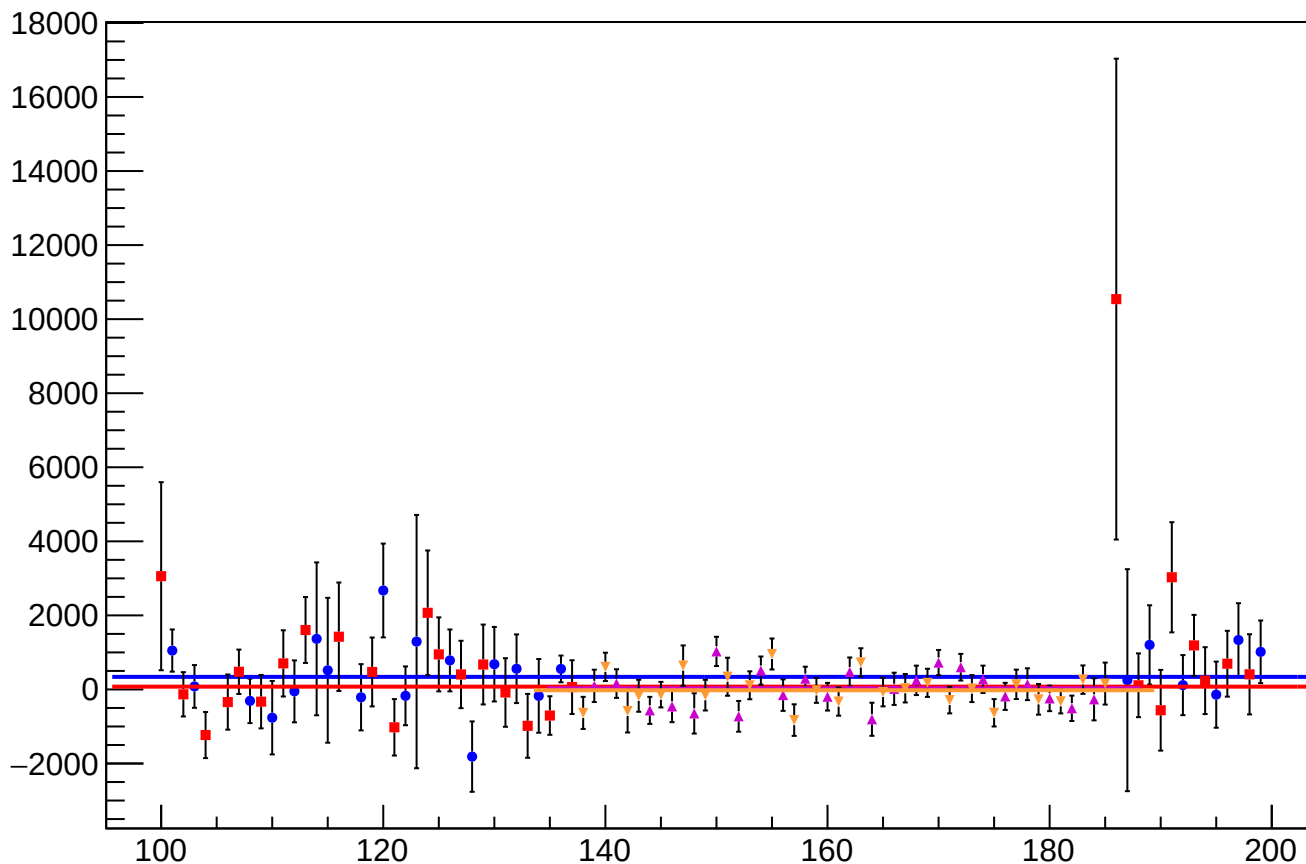
Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

+ sign 367.374+/-0.050 χ^2/NDF : 4451982.7/47

All: 370.379+/-0.036 χ^2/NDF : 9871651.5/97

- sign 373.476+/-0.051 χ^2/NDF : 5412418.9/49

asym_sam_13_57_dd_mean vs Slug



Right In: 339.627+/-169.296 χ^2/NDF : 17.8/22

Left Out: -20.895+/-79.812 χ^2/NDF : 27.2/24

Right Out: 75.730+/-164.643 χ^2/NDF : 29.2/26

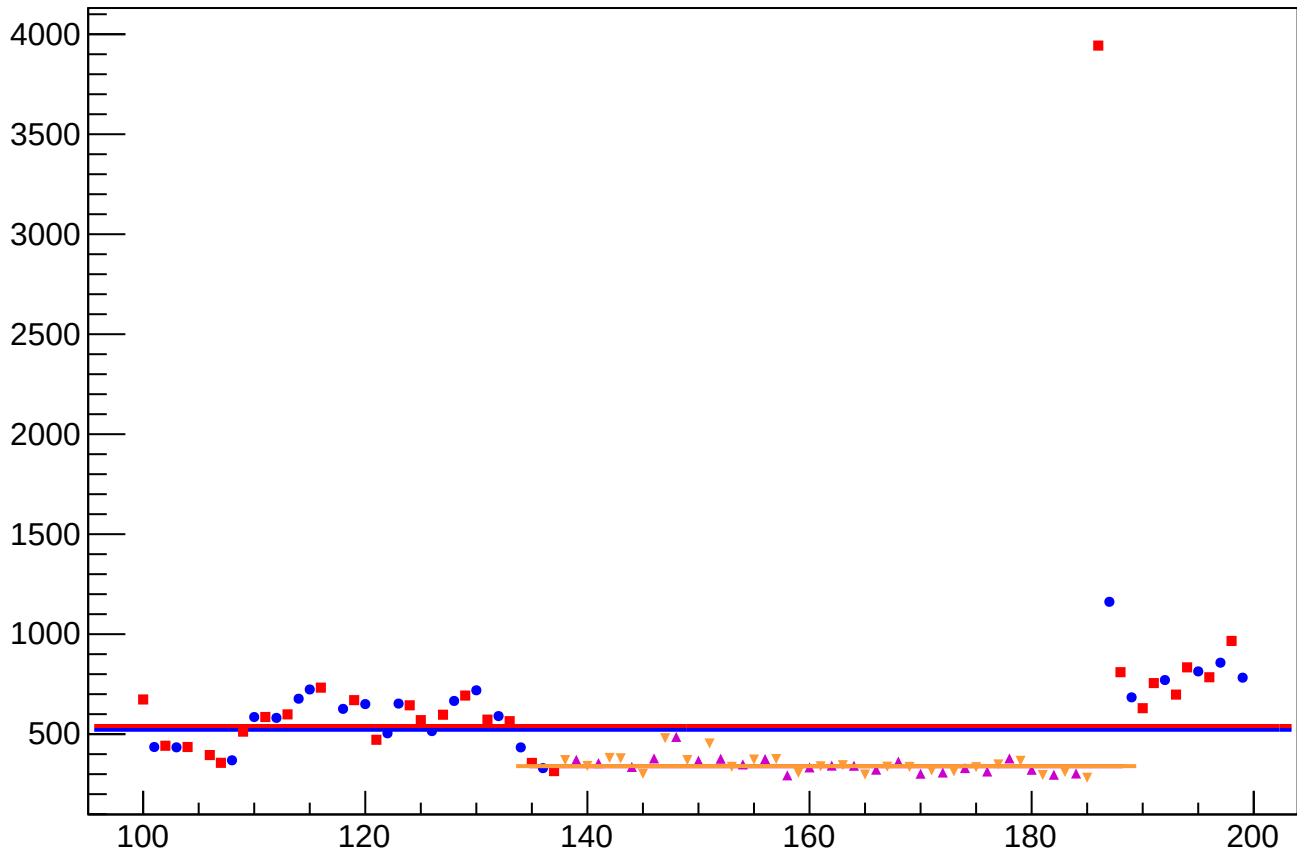
Left In: 31.800+/-81.839 χ^2/NDF : 34.0/22

+ sign 44.661+/-72.192 χ^2/NDF : 48.7/47

All: 42.614+/-51.429 χ^2/NDF : 112.0/97

- sign 40.504+/-73.285 χ^2/NDF : 63.3/49

asym_sam_13_57_dd_rms vs Slug



Right In: 522.035+/-0.120 χ^2/NDF : 1995245.8/22

Left Out: 340.238+/-0.056 χ^2/NDF : 468863.6/24

Right Out: 540.770+/-0.116 χ^2/NDF : 2534711.4/26

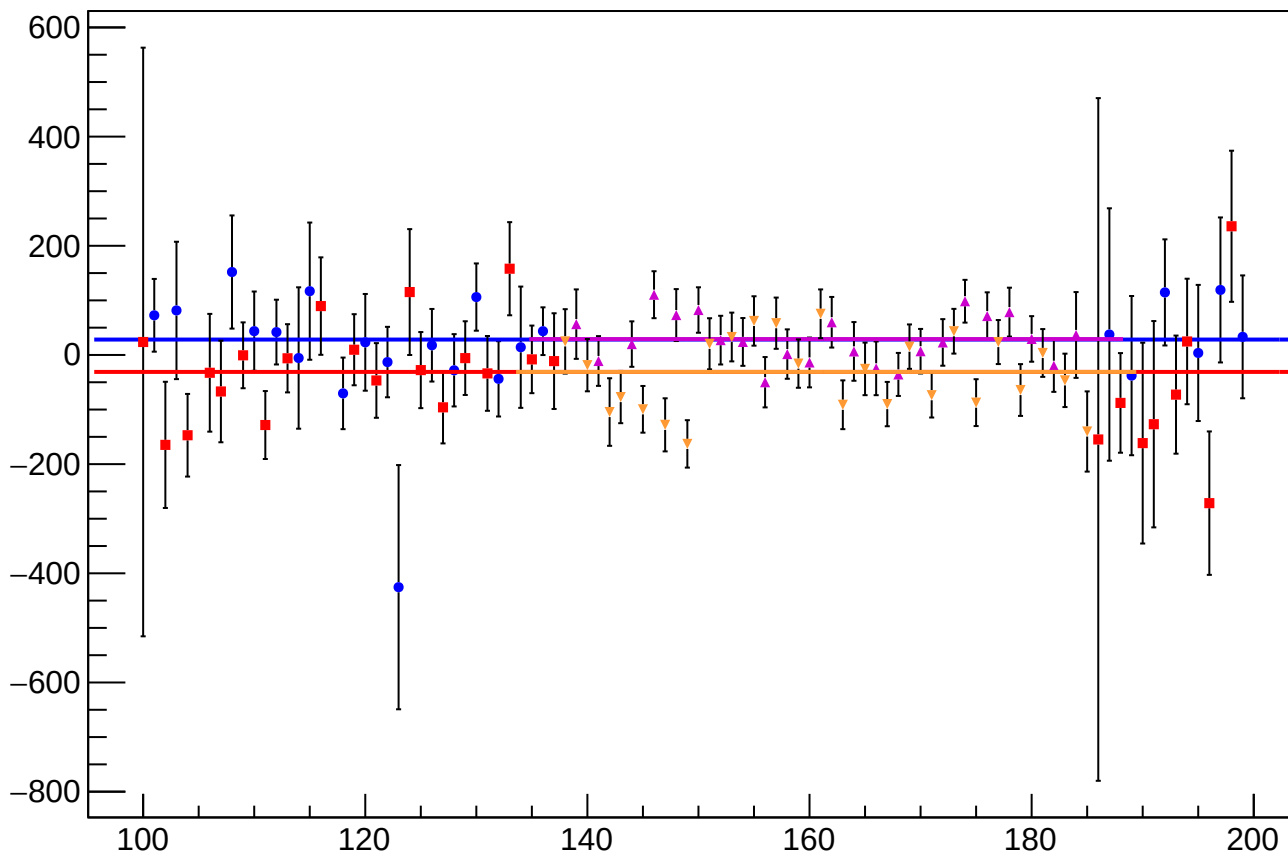
Left In: 339.621+/-0.058 χ^2/NDF : 379808.1/22

+ sign 373.295+/-0.051 χ^2/NDF : 4351028.4/47

All: 376.338+/-0.036 χ^2/NDF : 9666541.8/97

- sign 379.474+/-0.052 χ^2/NDF : 5308297.6/49

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 28.224 ± 16.897 χ^2/NDF : 14.6/22

Left Out: -31.063 ± 9.170 χ^2/NDF : 52.6/24

Right Out: -31.053 ± 16.350 χ^2/NDF : 25.4/26

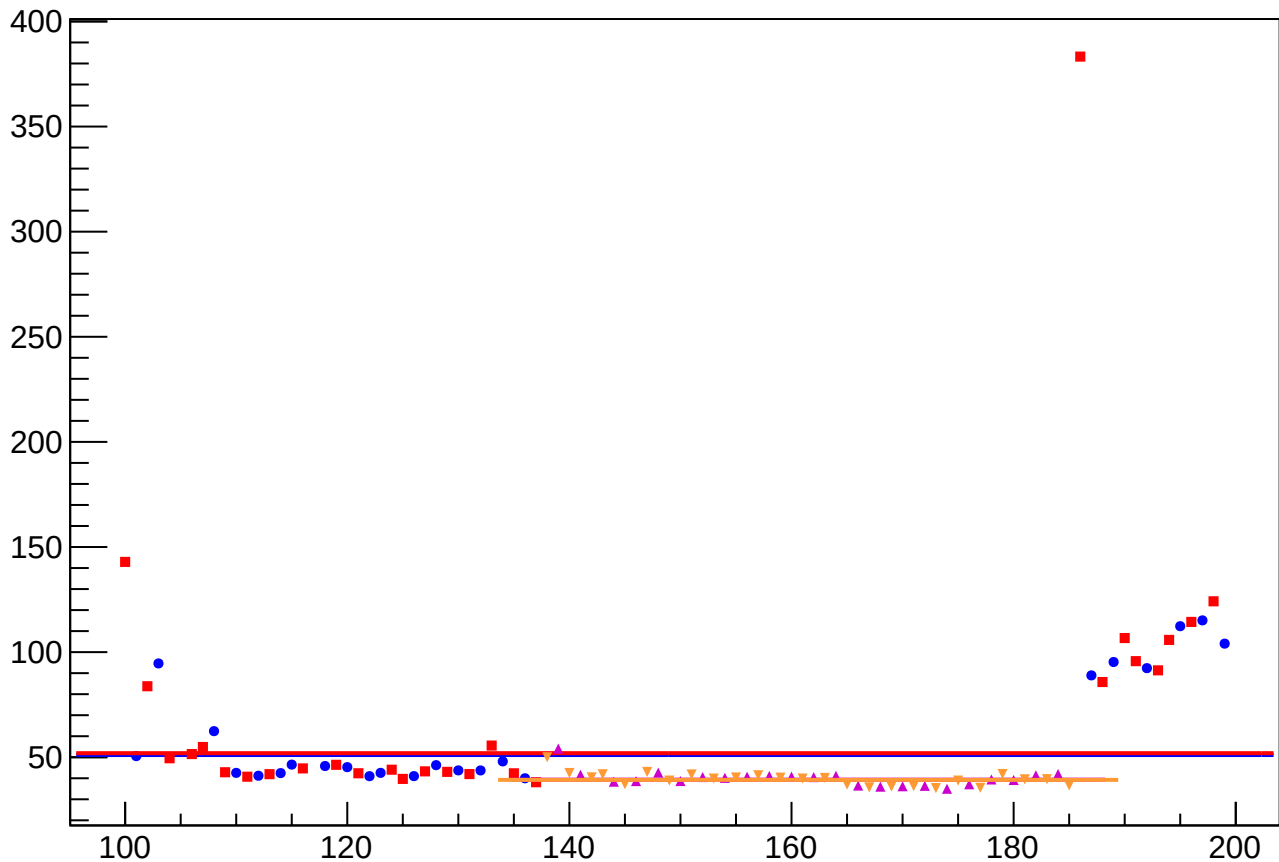
Left In: 29.055 ± 9.449 χ^2/NDF : 22.4/22

+ sign -17.575 ± 8.059 χ^2/NDF : 76.7/47

All: -2.022 ± 5.741 χ^2/NDF : 142.2/97

- sign 14.005 ± 8.181 χ^2/NDF : 58.0/49

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 51.053+/-0.012 χ^2/NDF : 2658015.0/22

Left Out: 39.235+/-0.006 χ^2/NDF : 201960.7/24

Right Out: 51.937+/-0.012 χ^2/NDF : 3545966.3/26

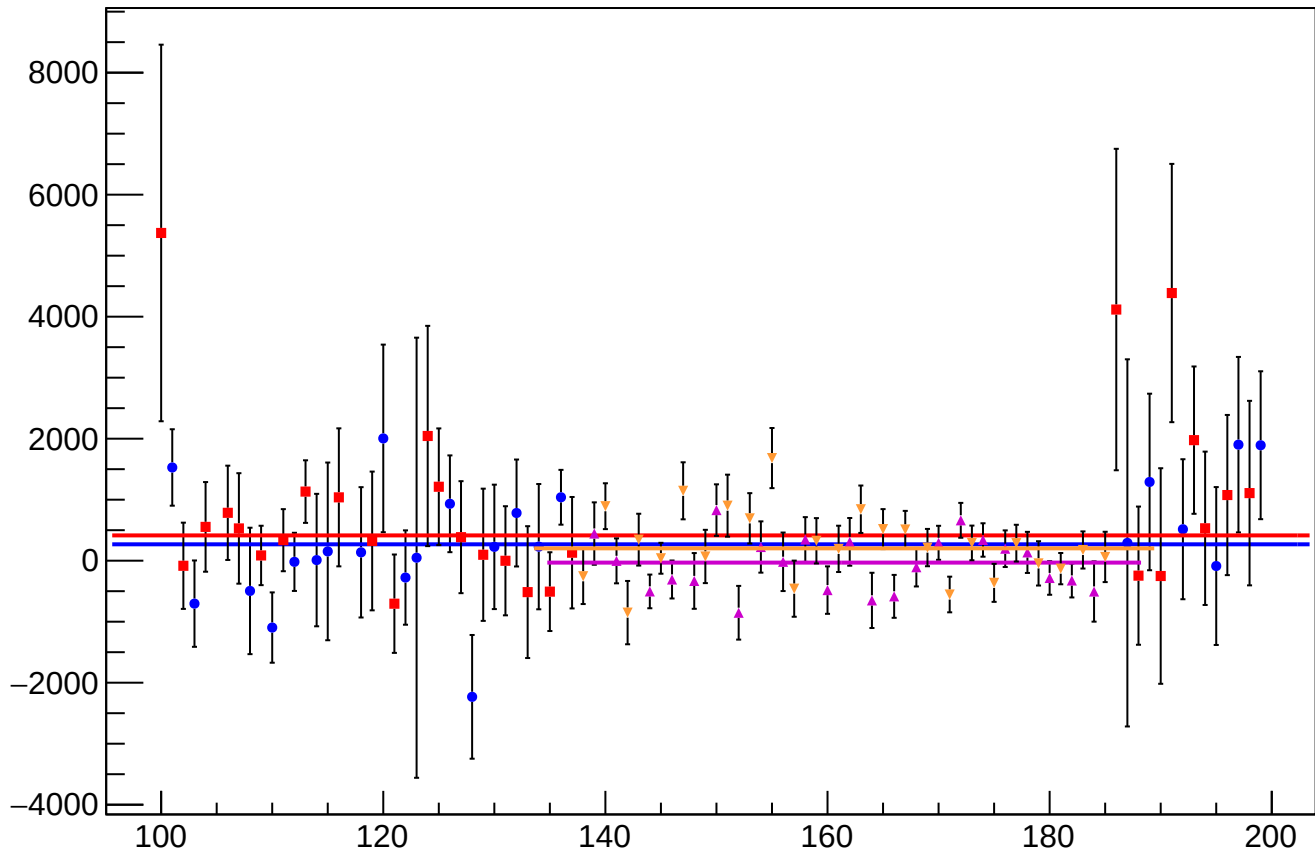
Left In: 39.338+/-0.007 χ^2/NDF : 215671.3/22

+ sign 41.924+/-0.006 χ^2/NDF : 3615716.4/47

All: 42.204+/-0.004 χ^2/NDF : 8272385.6/97

- sign 42.493+/-0.006 χ^2/NDF : 4651757.1/49

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 268.445 ± 179.344 χ^2/NDF : 28.1/22

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 414.544 ± 169.581 χ^2/NDF : 20.8/26

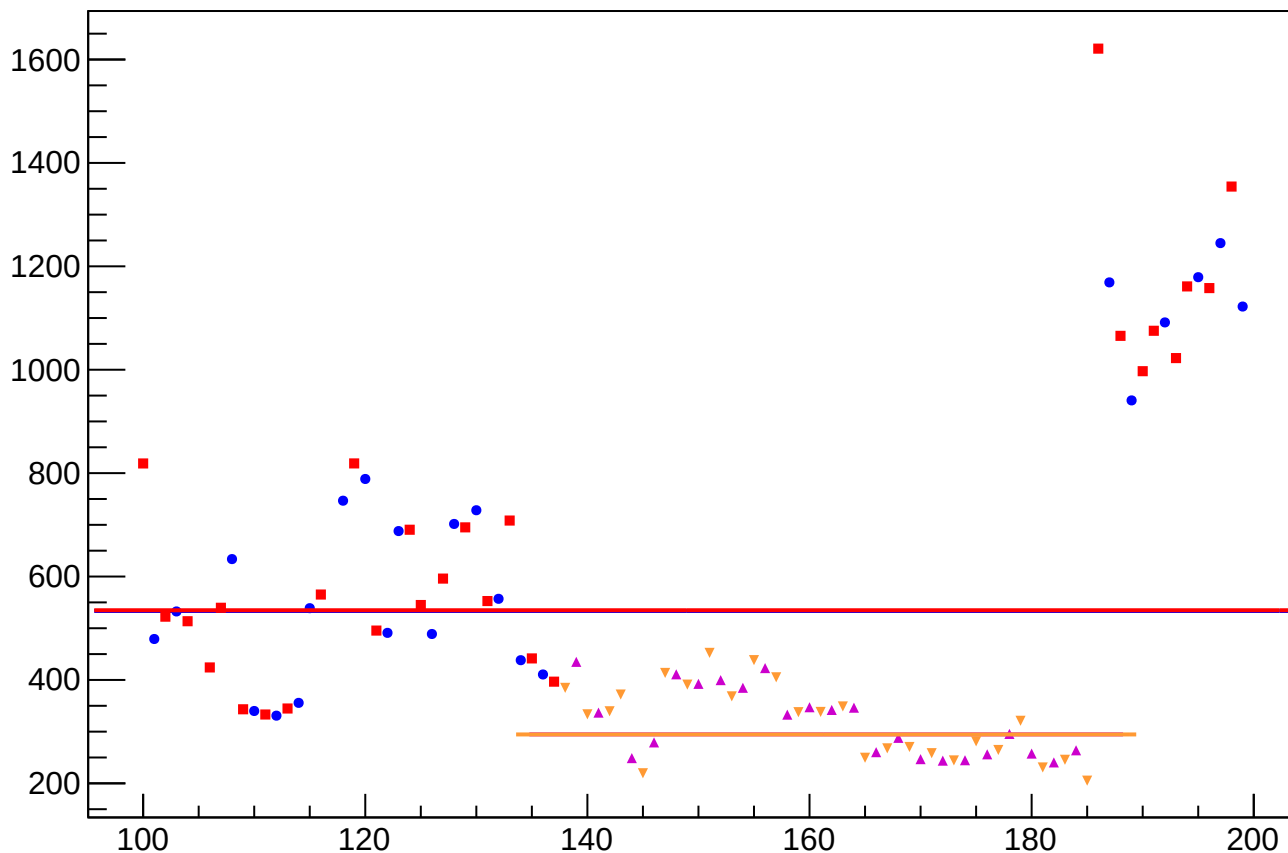
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 211.197 ± 65.553 χ^2/NDF : 73.0/47

All: 125.028 ± 46.633 χ^2/NDF : 136.6/97

- sign 36.745 ± 66.352 χ^2/NDF : 60.1/49

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 533.367 $\pm$ 0.127 χ^2 /NDF: 3300151.1/22

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF:1680474.5/24

Right Out: 534.783 $\pm$ 0.120 χ^2 /NDF: 4204009.2/26

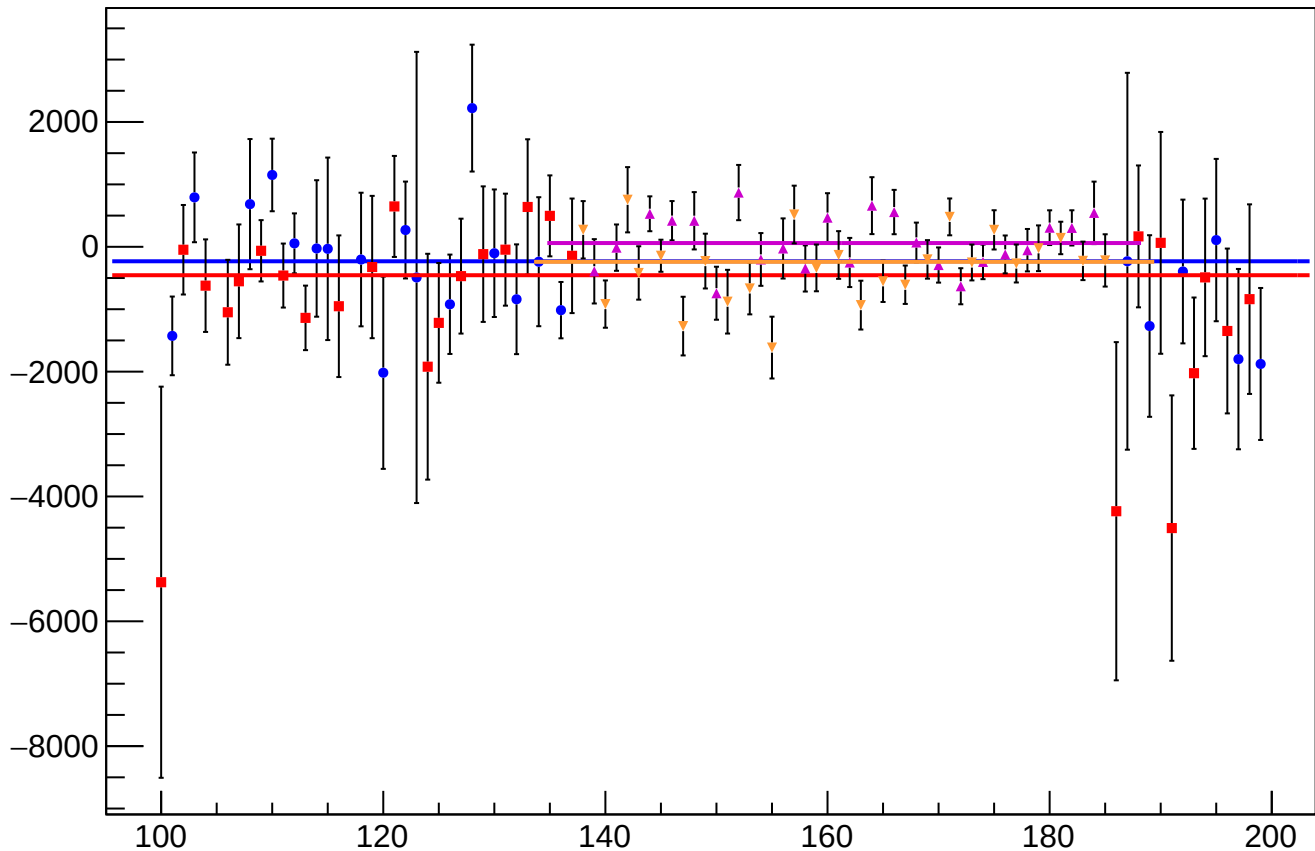
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF:1297310.3/22

+ sign 326.492 $\pm$ 0.046 χ^2 /NDF: 8052145.4/47

All: 328.953 $\pm$ 0.033 χ^2 /NDF: 16953511.3/97

- sign 331.473 $\pm$ 0.047 χ^2 /NDF: 8895661.3/49

asym_sam_15_37_dd_mean vs Slug



Right In: -231.764 ± 180.425 χ^2/NDF : 27.9/22

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -455.274 ± 171.263 χ^2/NDF : 20.8/26

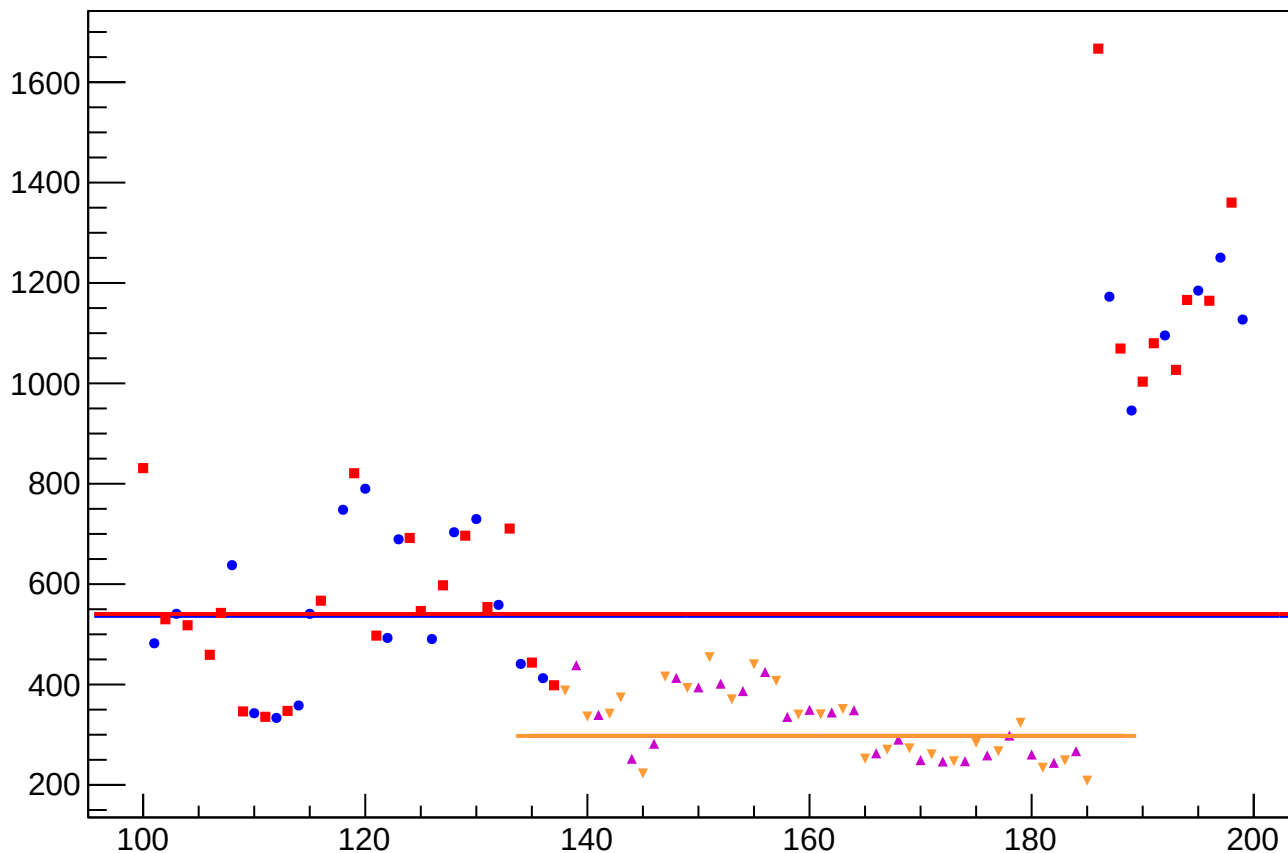
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -239.202 ± 66.149 χ^2/NDF : 70.9/47

All: -130.270 ± 47.069 χ^2/NDF : 135.7/97

- sign -18.556 ± 66.989 χ^2/NDF : 59.4/49

asym_sam_15_37_dd_rms vs Slug



Right In: 536.848 $\pm$ 0.128 χ^2 /NDF: 3283445.6/22

Left Out: 297.613 $\pm$ 0.050 χ^2 /NDF: 1637757.8/24

Right Out: 540.539 $\pm$ 0.121 χ^2 /NDF: 4167018.3/26

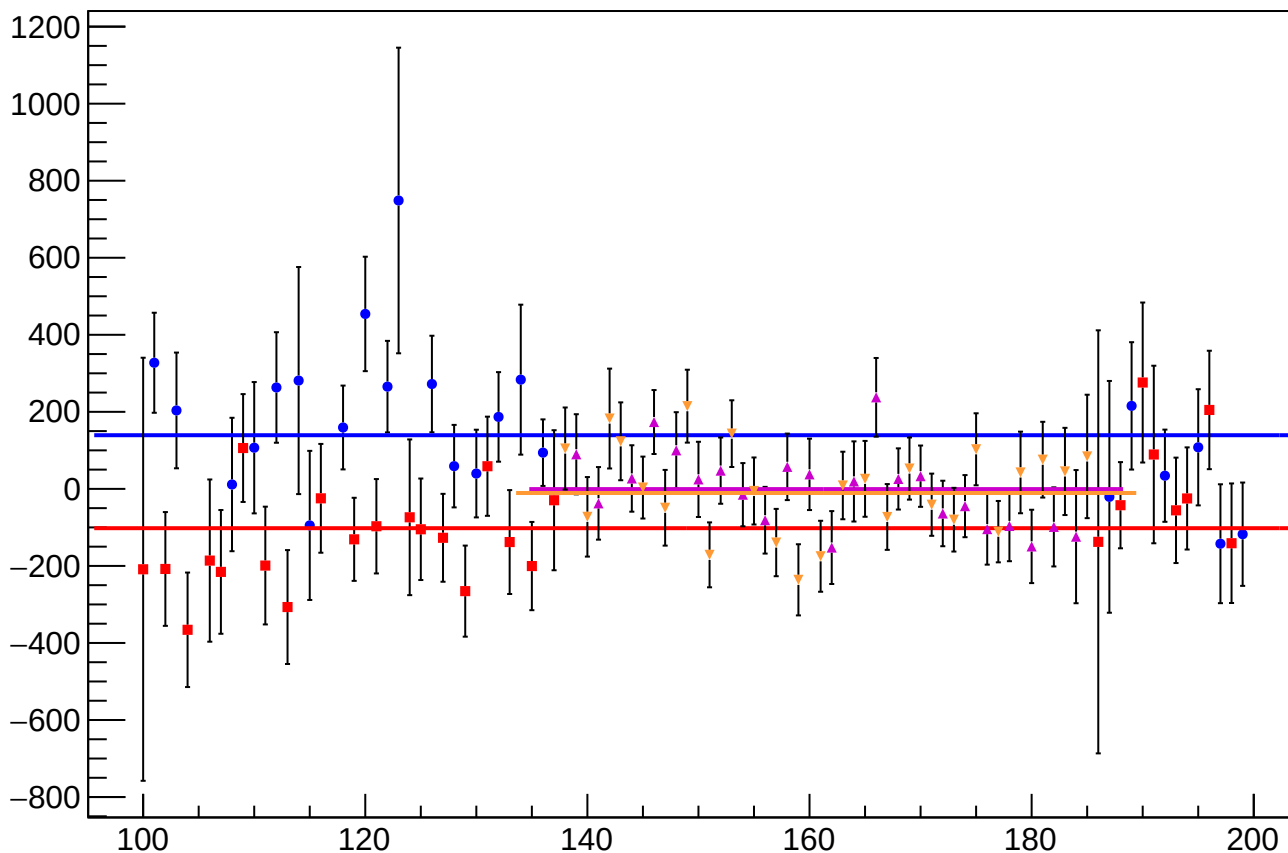
Left In: 297.699 $\pm$ 0.051 χ^2 /NDF: 1266306.2/22

+ sign 329.770 $\pm$ 0.047 χ^2 /NDF: 7964861.7/47

All: 332.279 $\pm$ 0.033 χ^2 /NDF: 16809899.6/97

- sign 334.853 $\pm$ 0.047 χ^2 /NDF: 8839209.9/49

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 139.316 ± 29.029 χ^2/NDF : 25.1/22

Left Out: -10.667 ± 18.610 χ^2/NDF : 36.3/24

Right Out: -102.049 ± 28.063 χ^2/NDF : 22.6/26

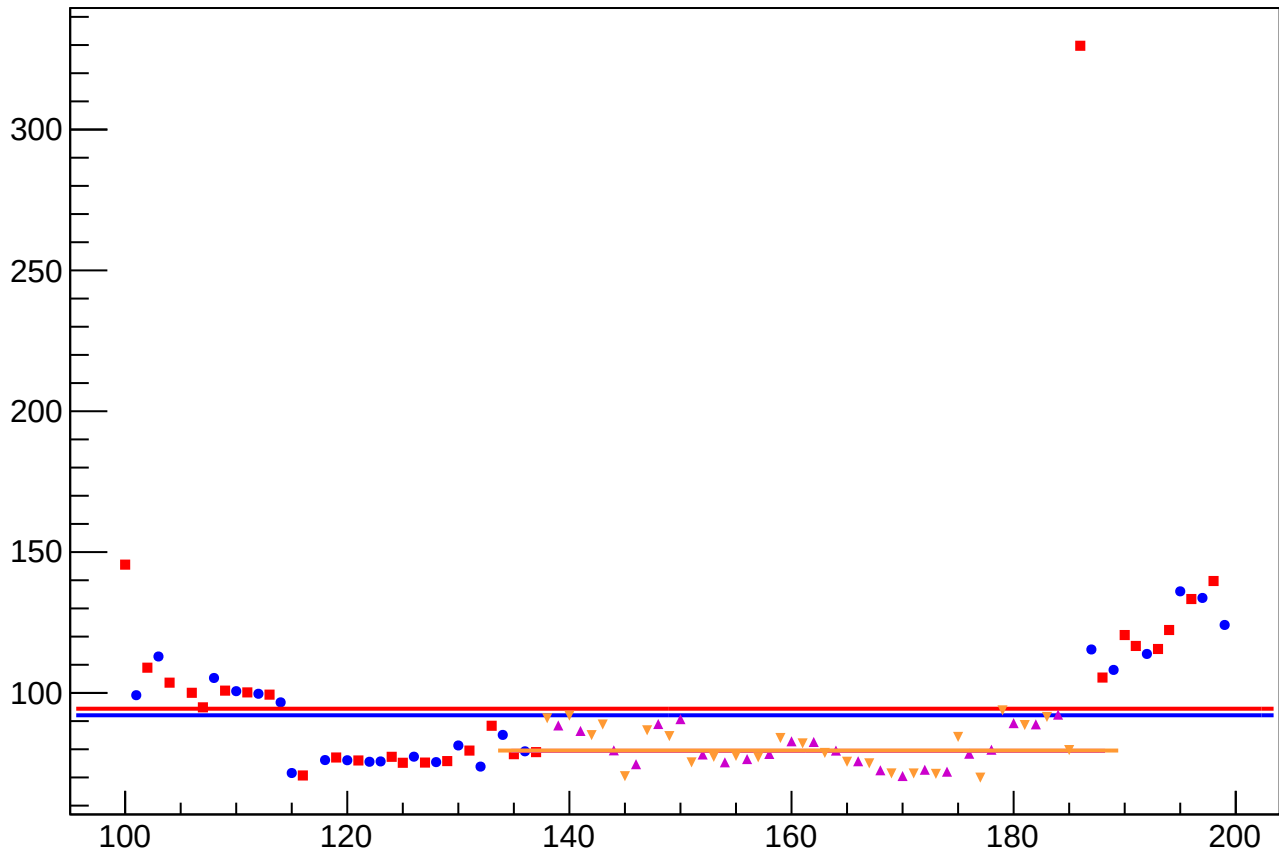
Left In: -0.575 ± 19.091 χ^2/NDF : 23.8/22

+ sign 33.018 ± 15.667 χ^2/NDF : 80.3/47

All: 0.416 ± 11.120 χ^2/NDF : 144.3/97

- sign -32.679 ± 15.785 χ^2/NDF : 55.3/49

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 92.068 $\pm$ 0.021 χ^2 /NDF: 914253.3/22

Left Out: 79.551 $\pm$ 0.013 χ^2 /NDF:309075.2/24

Right Out: 94.399 $\pm$ 0.020 χ^2 /NDF: 1328522.4/26

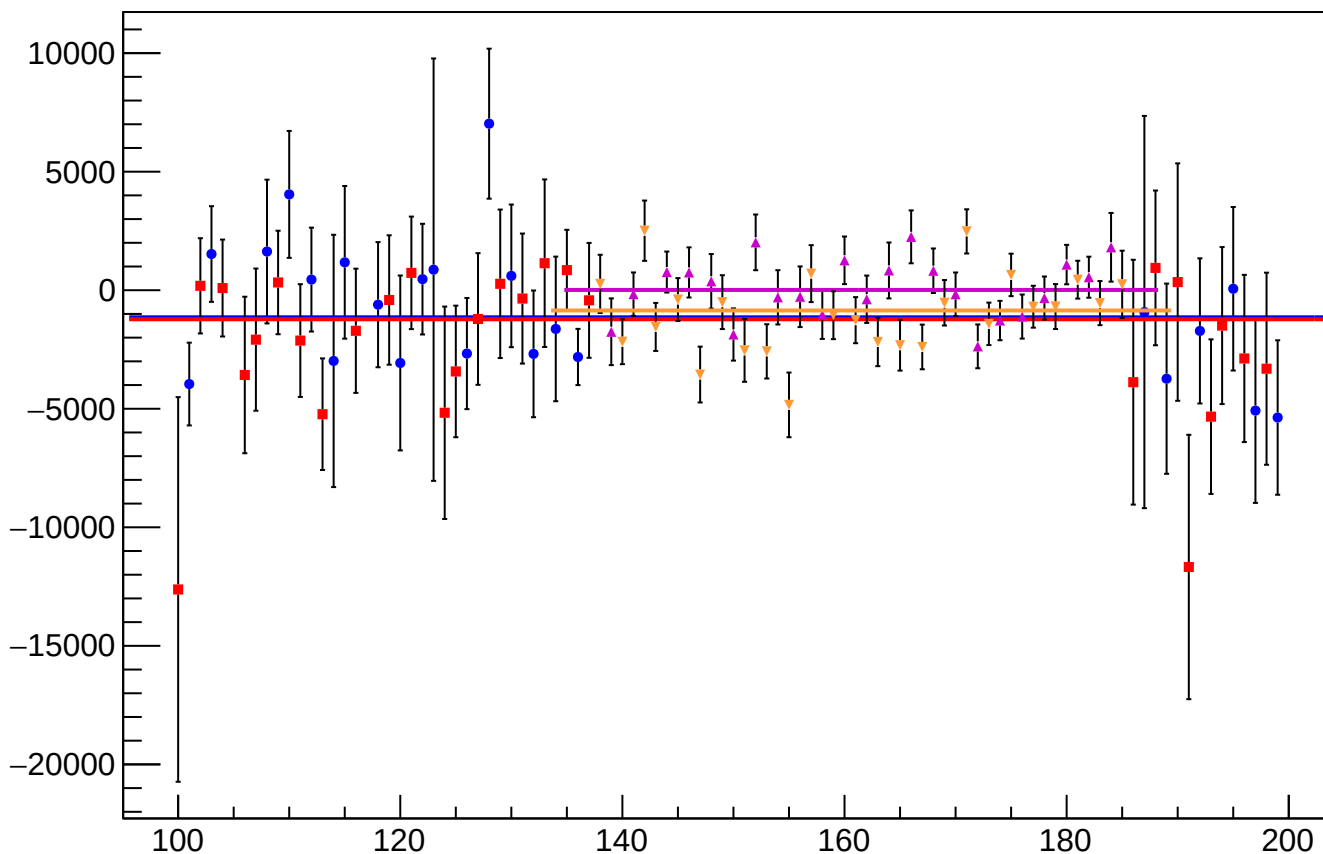
Left In: 79.436 $\pm$ 0.013 χ^2 /NDF:212440.1/22

+ sign 83.197 $\pm$ 0.011 χ^2 /NDF: 1486869.4/47

All: 83.680 $\pm$ 0.008 χ^2 /NDF: 3420335.5/97

- sign 84.170 $\pm$ 0.011 χ^2 /NDF: 1929633.8/49

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1142.728 ± 545.965 χ^2/NDF : 24.0/22

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1225.037 ± 542.237 χ^2/NDF : 18.0/26

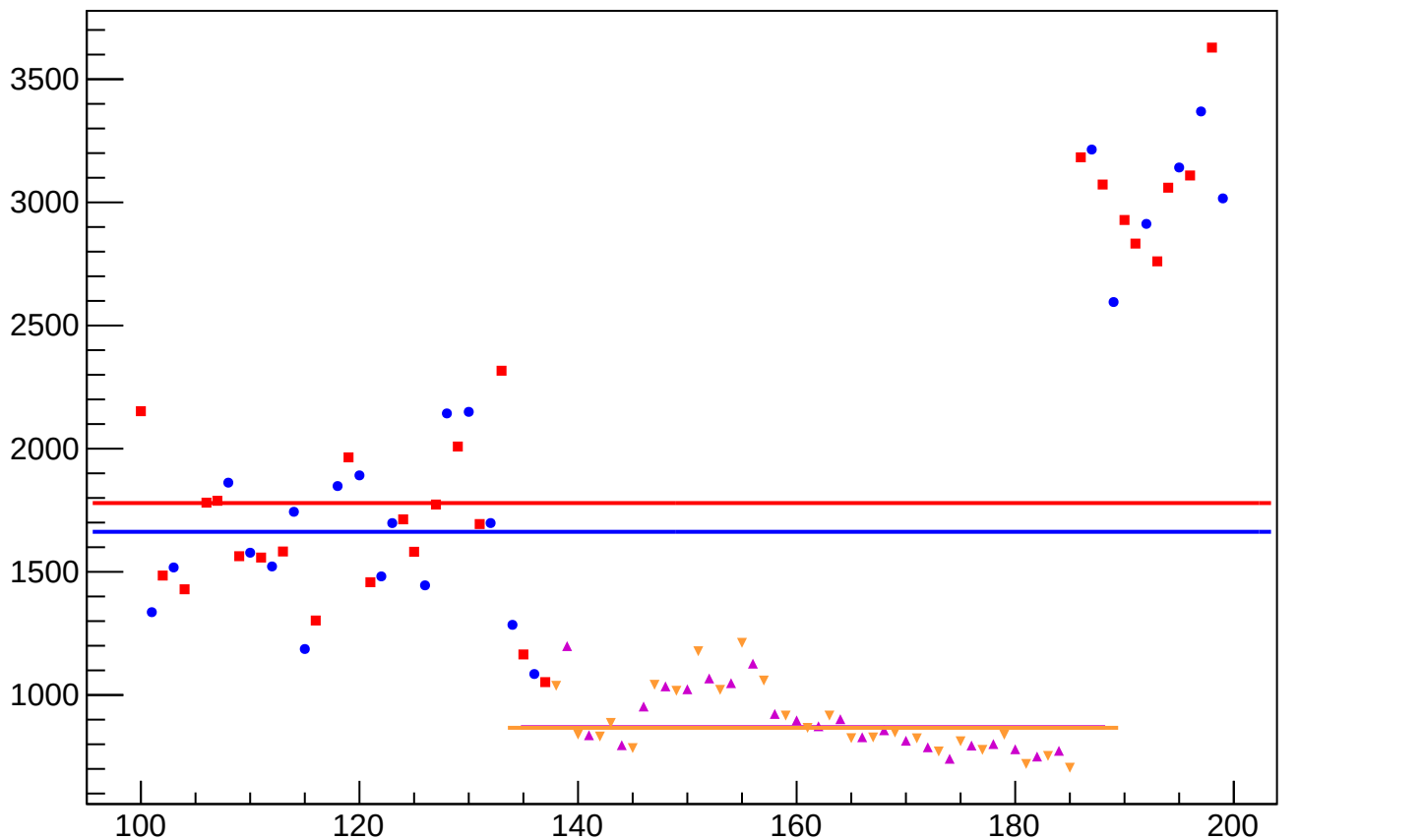
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -889.513 ± 191.170 χ^2/NDF : 80.2/47

All: -528.626 ± 136.814 χ^2/NDF : 141.3/97

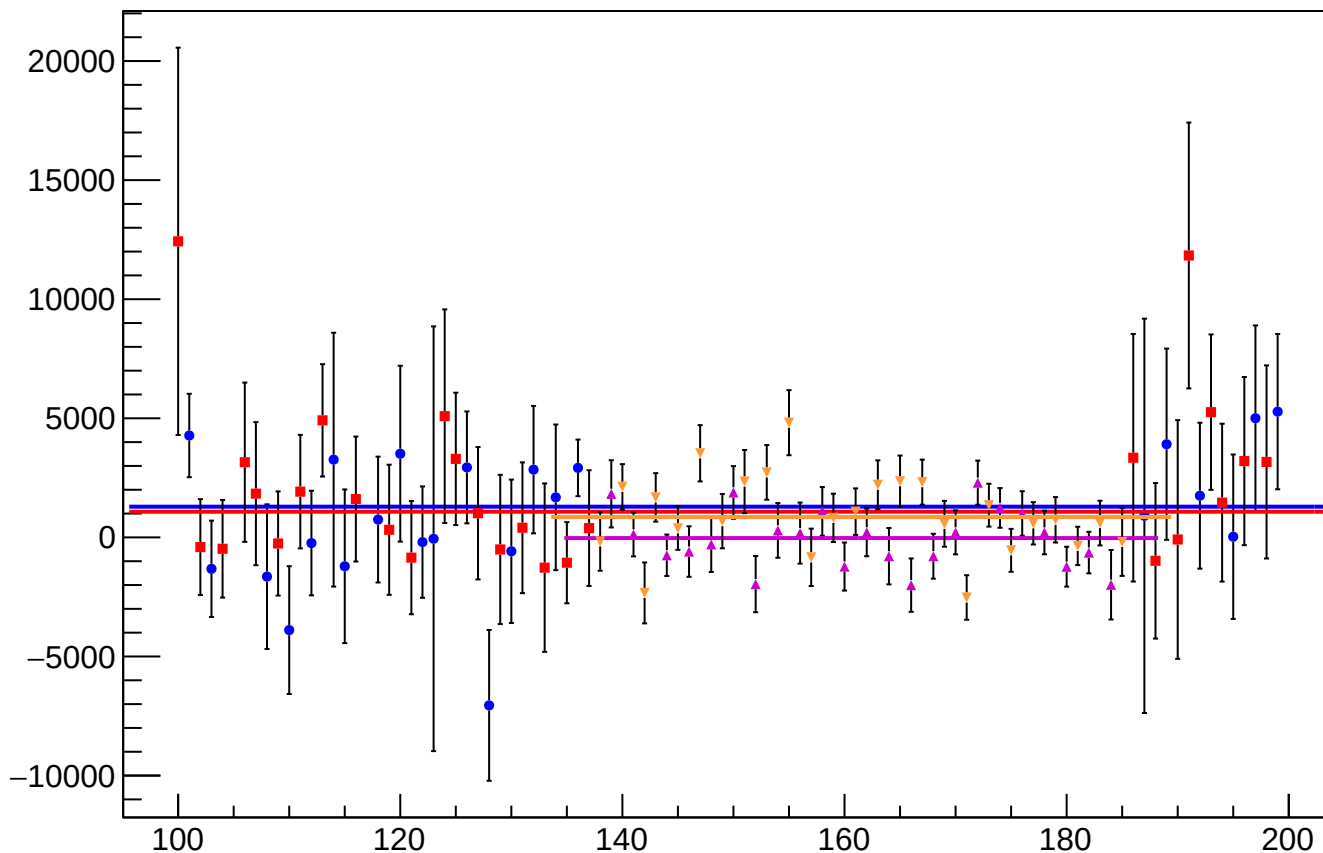
- sign -149.712 ± 195.886 χ^2/NDF : 53.7/49

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1662.601 $\pm$ 0.386 χ^2 /NDF: 2403761.8/22 + sign 964.451 $\pm$ 0.135 χ^2 /NDF: 6792851.4/47
 Left Out: 866.893 $\pm$ 0.144 χ^2 /NDF: 661712.5/24 All: 976.080 $\pm$ 0.097 χ^2 /NDF: 14884842.7/97
 Right Out: 1779.273 $\pm$ 0.383 χ^2 /NDF: 2599896.9/26 - sign 988.290 $\pm$ 0.139 χ^2 /NDF: 8076819.9/49
 Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

asym_sam_24_68_dd_mean vs Slug



Right In: 1289.624 $\pm$ 547.013 χ^2 /NDF: 24.3/22

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 1078.145 $\pm$ 543.369 χ^2 /NDF: 17.9/26

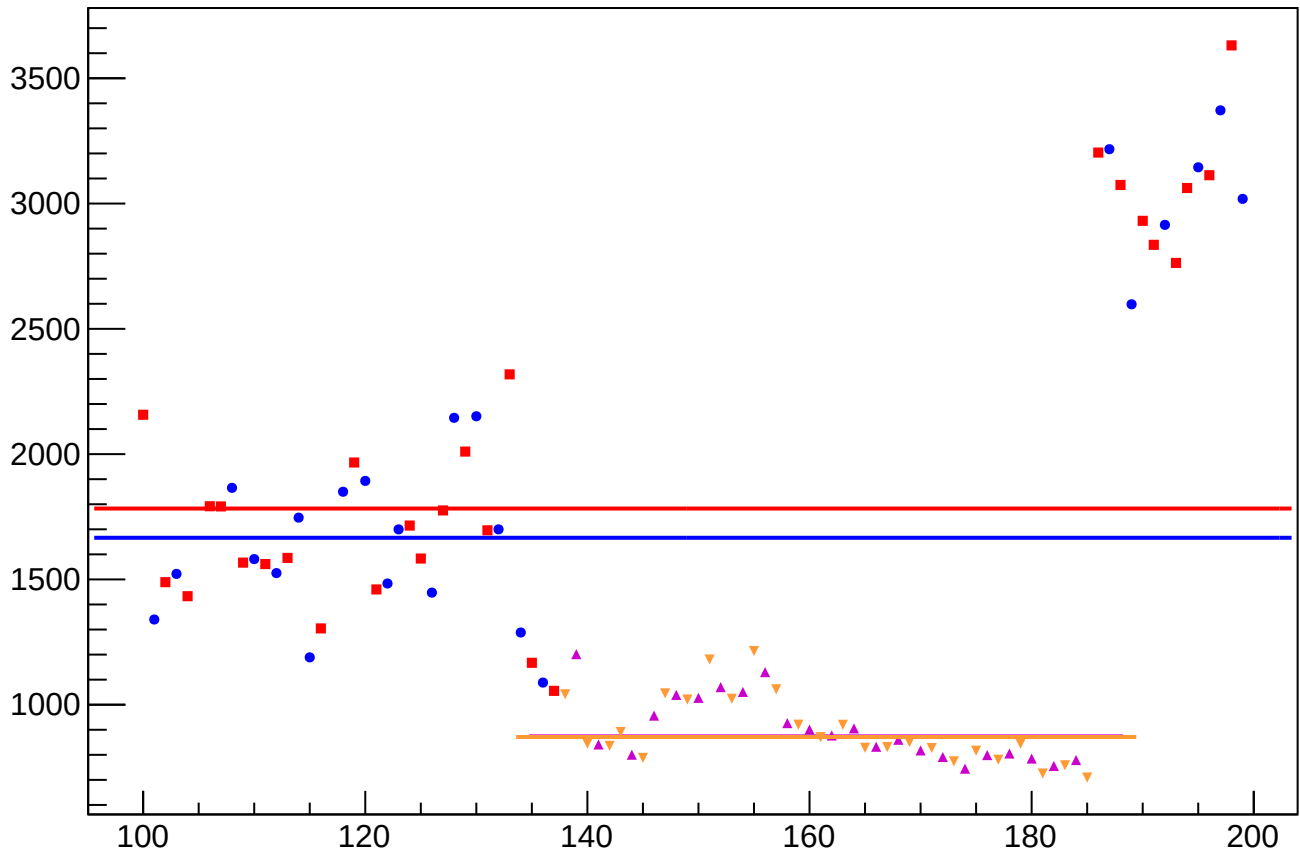
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 909.128 $\pm$ 192.001 χ^2 /NDF: 79.0/47

All: 522.432 $\pm$ 137.403 χ^2 /NDF: 138.6/97

- sign 116.501 $\pm$ 196.718 χ^2 /NDF: 51.3/49

asym_sam_24_68_dd_rms vs Slug



Right In: 1666.209+/-0.387 χ^2/NDF : 2395191.3/22

Left Out: 871.109+/-0.145 χ^2/NDF : 651751.1/24

Right Out: 1782.905+/-0.384 χ^2/NDF : 2594272.9/26

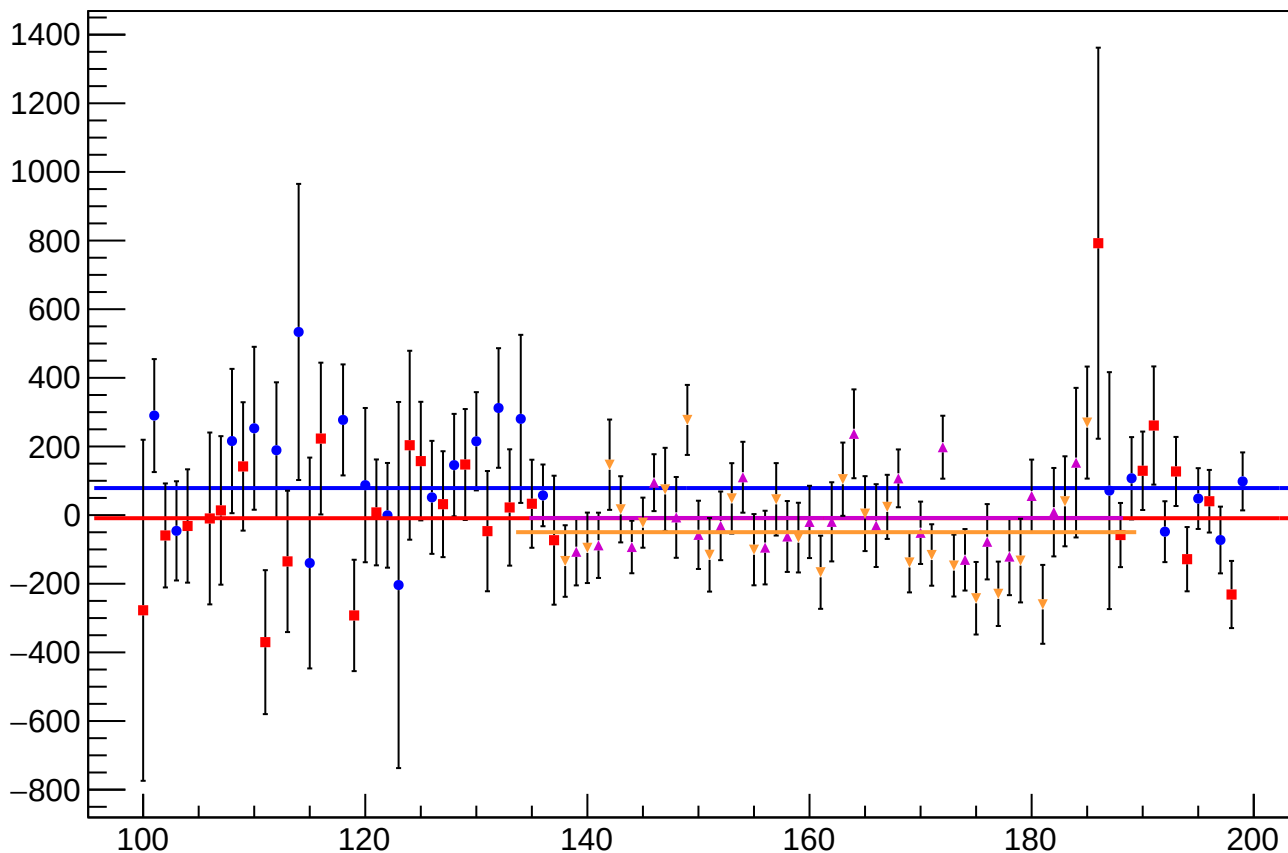
Left In: 873.675+/-0.149 χ^2/NDF : 573822.5/22

+ sign 969.065+/-0.136 χ^2/NDF : 6751854.1/47

All: 980.668+/-0.097 χ^2/NDF : 14800936.2/97

- sign 992.847+/-0.139 χ^2/NDF : 8034112.5/49

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 78.790 ± 29.445 $\chi^2/\text{NDF}: 15.7/22$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -9.035 ± 28.337 $\chi^2/\text{NDF}: 26.5/26$

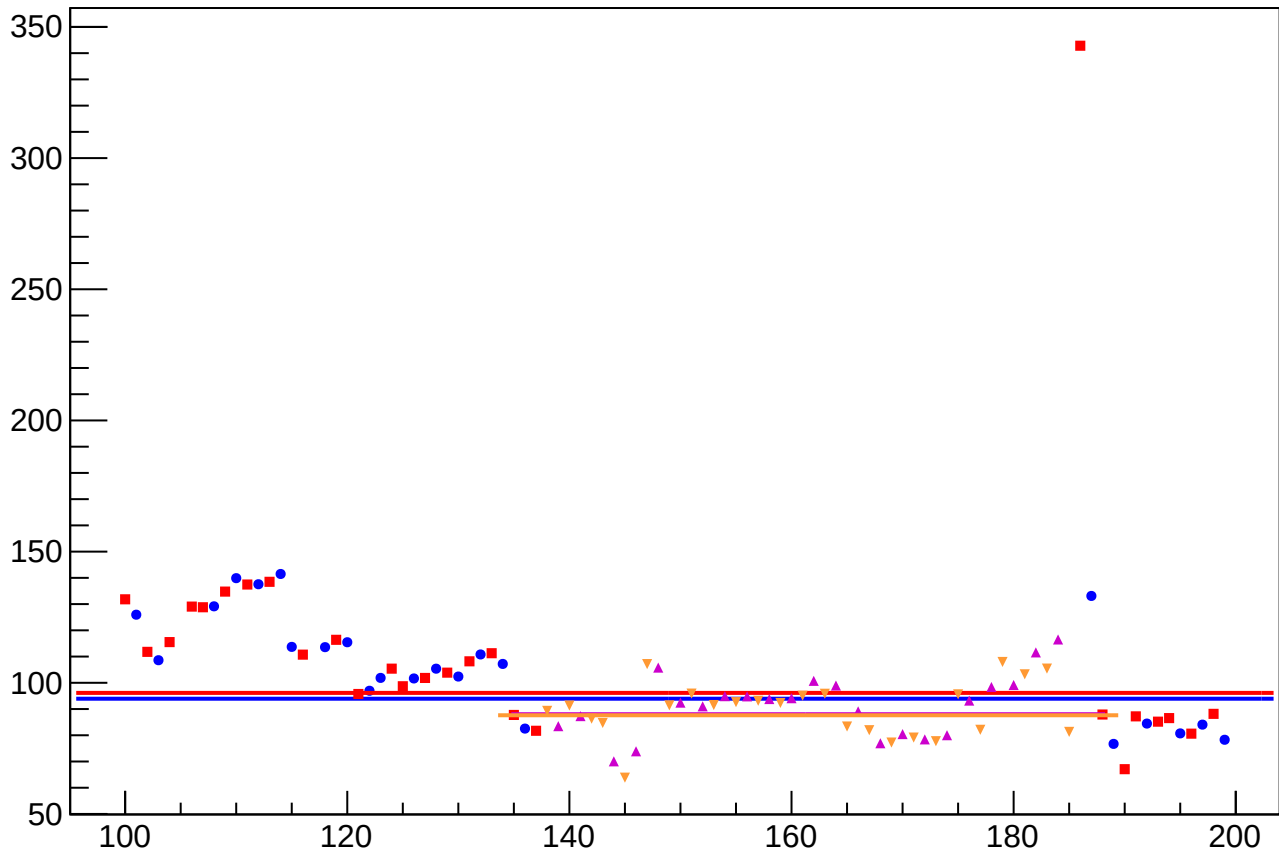
Left In: -8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

+ sign -7.544 ± 16.868 $\chi^2/\text{NDF}: 67.9/47$

All: -8.064 ± 11.978 $\chi^2/\text{NDF}: 116.4/97$

- sign -8.592 ± 17.012 $\chi^2/\text{NDF}: 48.5/49$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 93.930 $\pm$ 0.021 χ^2 /NDF: 709760.8/22

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 96.150 $\pm$ 0.020 χ^2 /NDF: 1123433.8/26

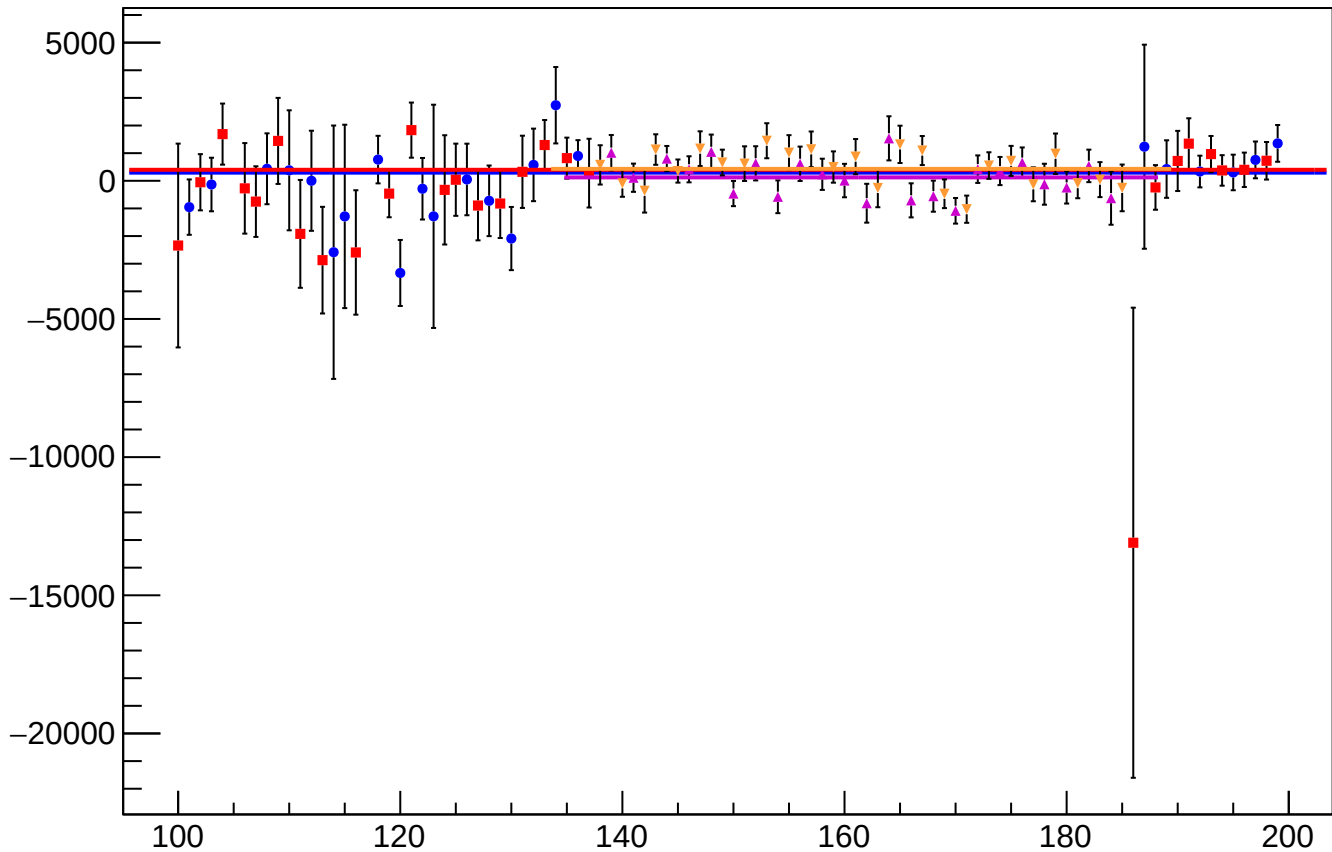
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 89.694 $\pm$ 0.012 χ^2 /NDF: 1326047.6/47

All: 90.321 $\pm$ 0.008 χ^2 /NDF: 3083730.1/97

- sign 90.958 $\pm$ 0.012 χ^2 /NDF: 1752121.2/49

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 295.329 $\pm$ 206.992 χ^2 /NDF: 24.8/22

Left Out: 431.658 $\pm$ 115.706 χ^2 /NDF:30.5/24

Right Out: 398.257 $\pm$ 193.686 χ^2 /NDF: 21.5/26

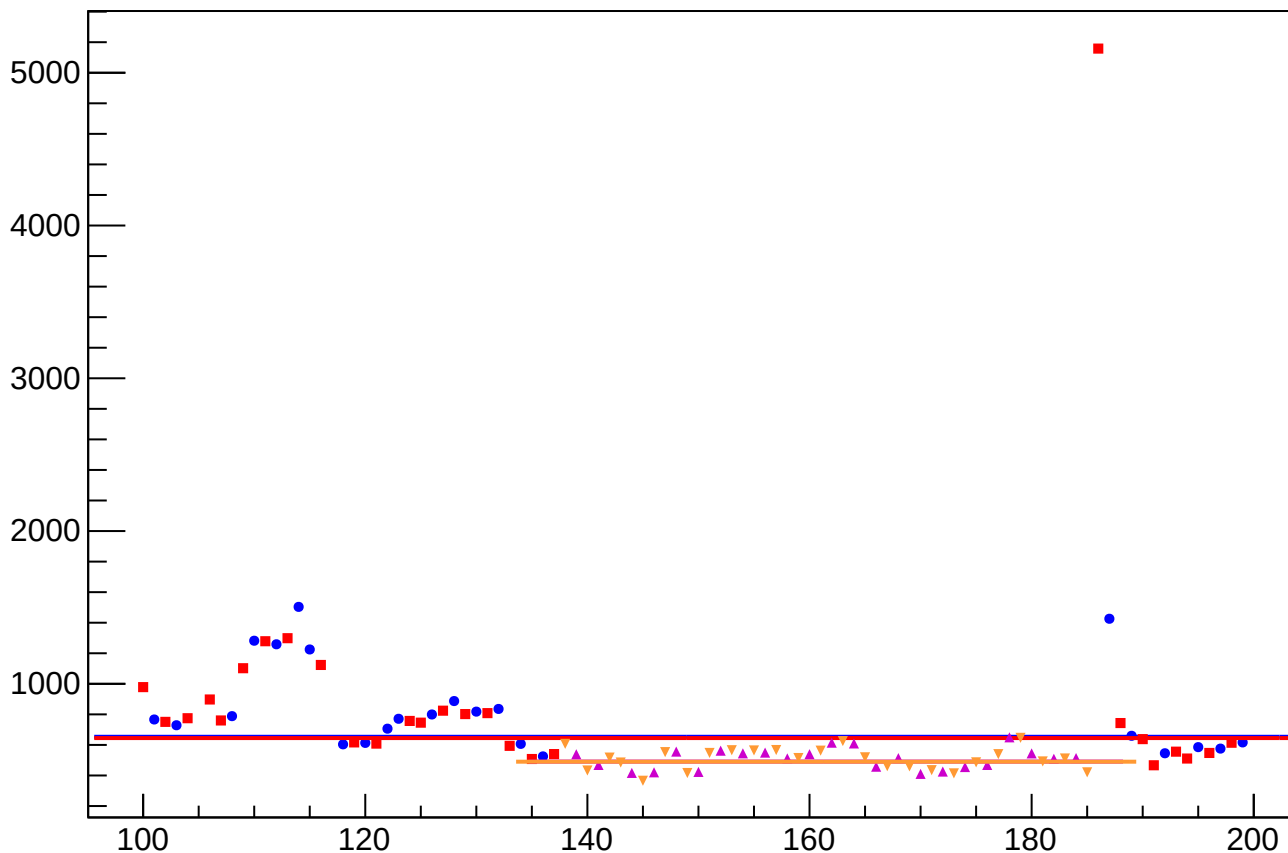
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF:29.3/22

+ sign 399.201 $\pm$ 100.998 χ^2 /NDF: 55.6/47

All: 299.052 $\pm$ 71.522 χ^2 /NDF: 109.7/97

- sign 198.304 $\pm$ 101.299 χ^2 /NDF: 52.2/49

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 653.325 $\pm$ 0.146 χ^2 /NDF: 1083415.7/22

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 644.873 $\pm$ 0.137 χ^2 /NDF: 1923480.0/26

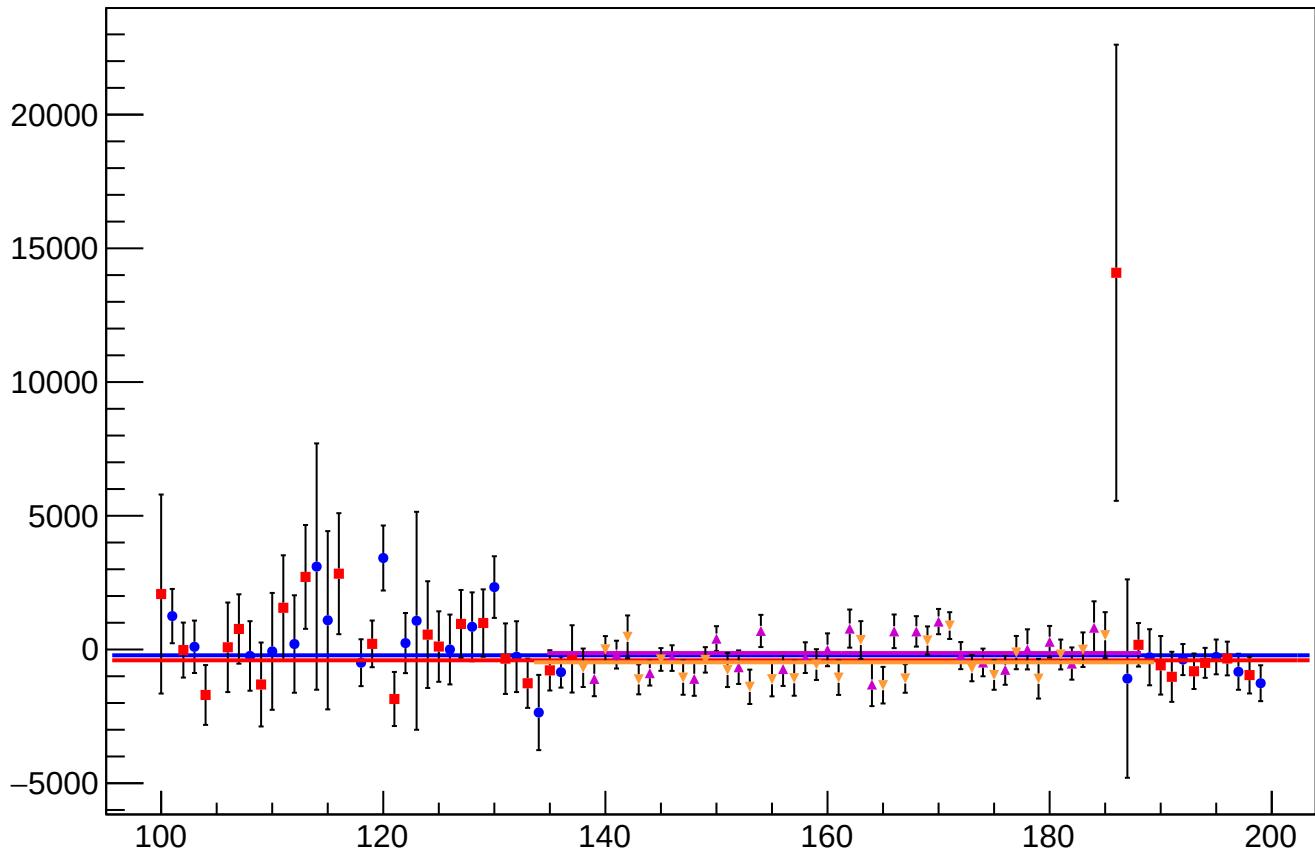
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 529.087 $\pm$ 0.071 χ^2 /NDF: 2779317.2/47

All: 531.049 $\pm$ 0.051 χ^2 /NDF: 6211628.4/97

- sign 533.024 $\pm$ 0.072 χ^2 /NDF: 3430796.4/49

asym_sam_26_48_dd_mean vs Slug



Right In: -217.069 ± 209.322 χ^2/NDF : 24.8/22

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -403.877 ± 196.092 χ^2/NDF : 20.1/26

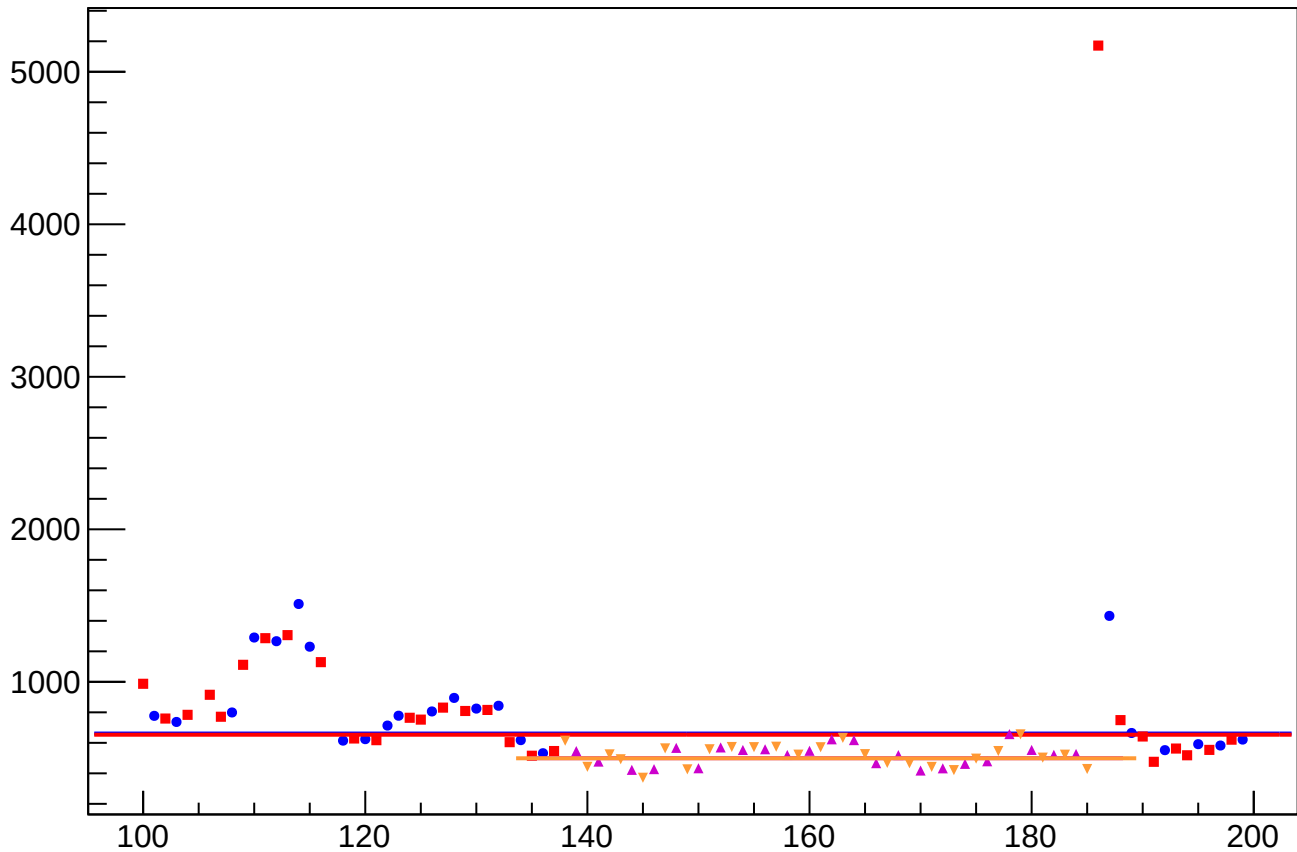
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -415.502 ± 102.566 χ^2/NDF : 53.7/47

All: -311.703 ± 72.640 χ^2/NDF : 106.9/97

- sign -207.246 ± 102.891 χ^2/NDF : 51.1/49

asym_sam_26_48_dd_rms vs Slug



Right In: 660.940 $\pm$ 0.148 χ^2 /NDF: 1071043.6/22

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 653.259 $\pm$ 0.139 χ^2 /NDF: 1900712.7/26

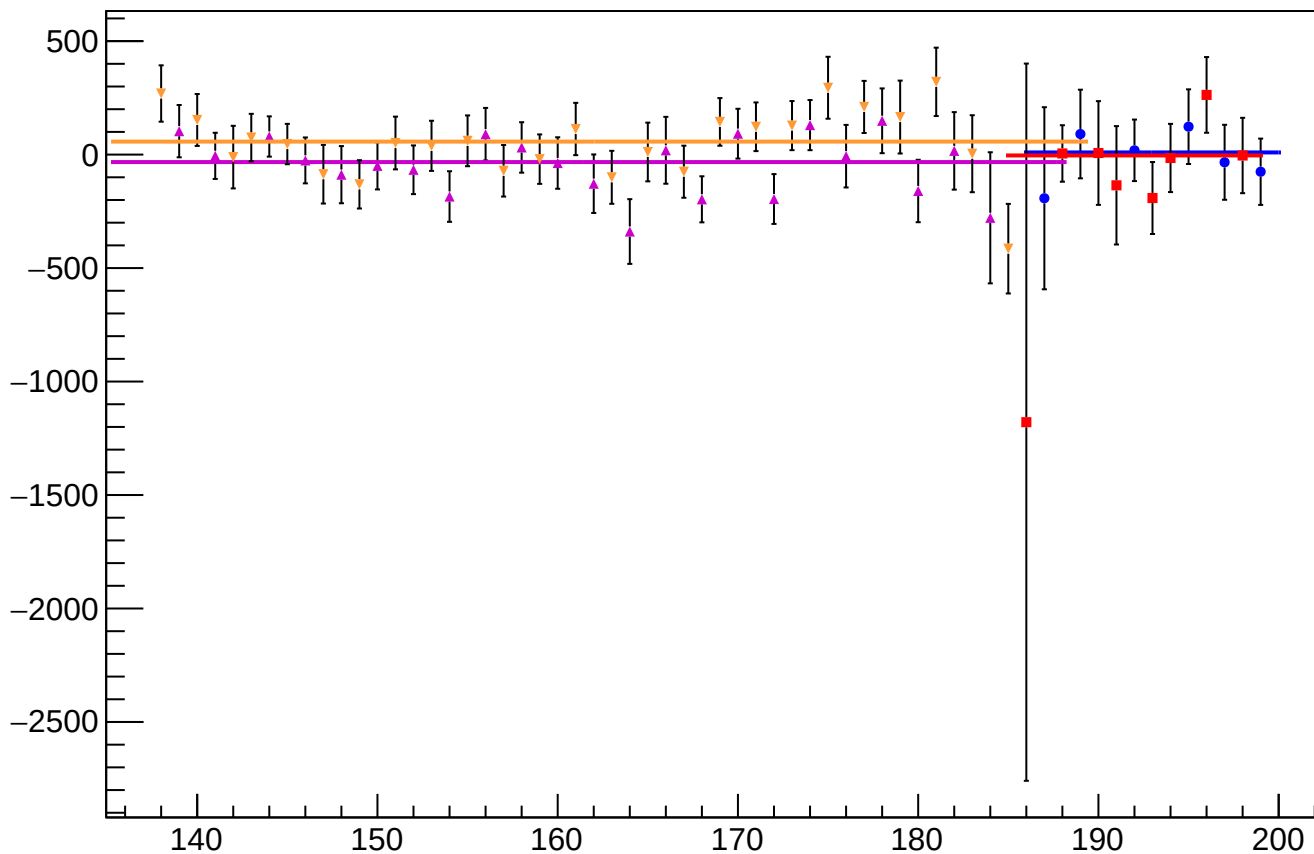
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 537.694 $\pm$ 0.073 χ^2 /NDF: 2717750.4/47

All: 539.718 $\pm$ 0.051 χ^2 /NDF: 6088926.9/97

- sign 541.755 $\pm$ 0.073 χ^2 /NDF: 3369613.8/49

reg_asym_sam_1548_avg_mean vs Slug



Right In: 9.497 ± 69.451 χ^2/NDF : 1.3/5

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: -3.757 ± 62.618 χ^2/NDF : 4.8/7

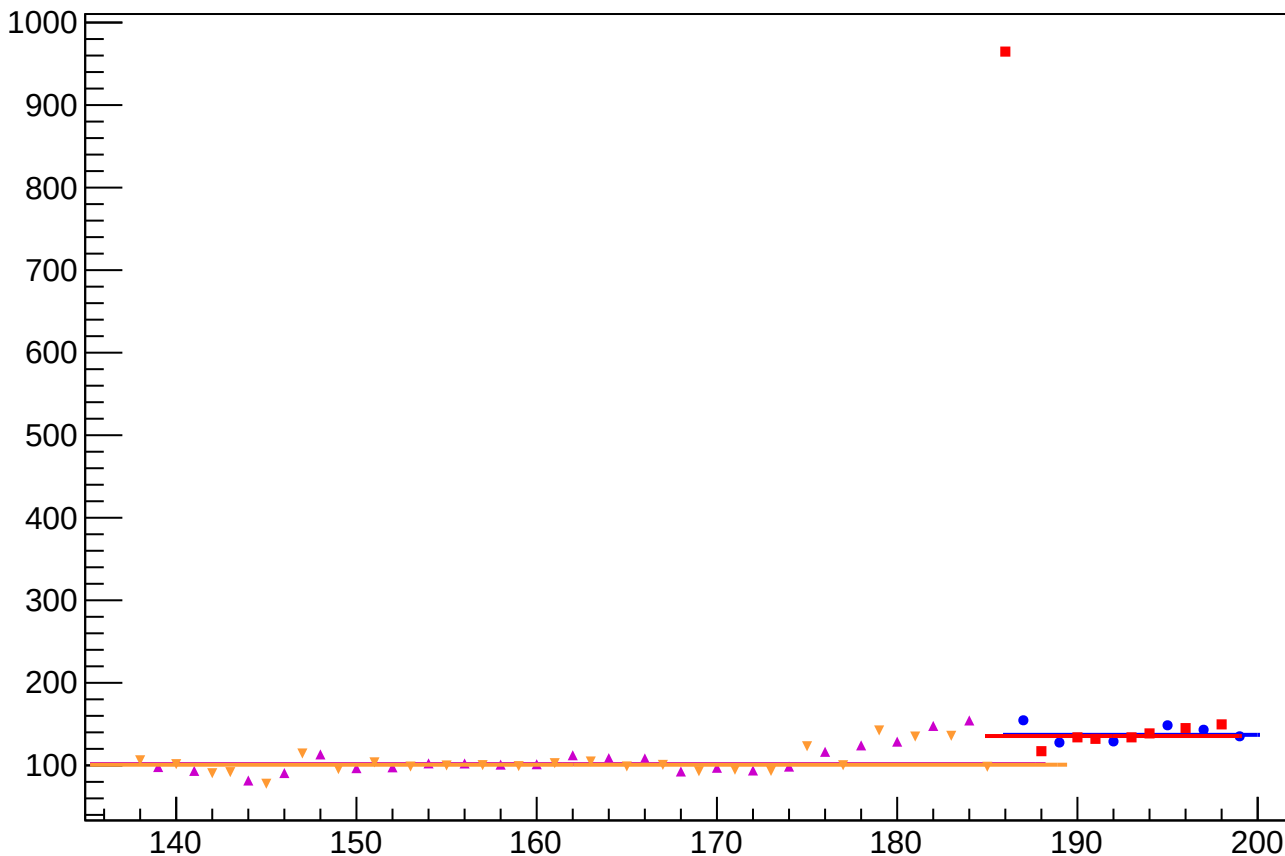
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 52.229 ± 22.442 χ^2/NDF : 30.9/30

All: 12.387 ± 16.023 χ^2/NDF : 65.9/61

- sign -29.049 ± 22.886 χ^2/NDF : 28.6/30

reg_asym_sam_1548_avg_rms vs Slug



Right In: 136.991 $\pm$ 0.049 χ^2 /NDF: 28341.8/5

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 135.550 $\pm$ 0.044 χ^2 /NDF: 616954.6/7

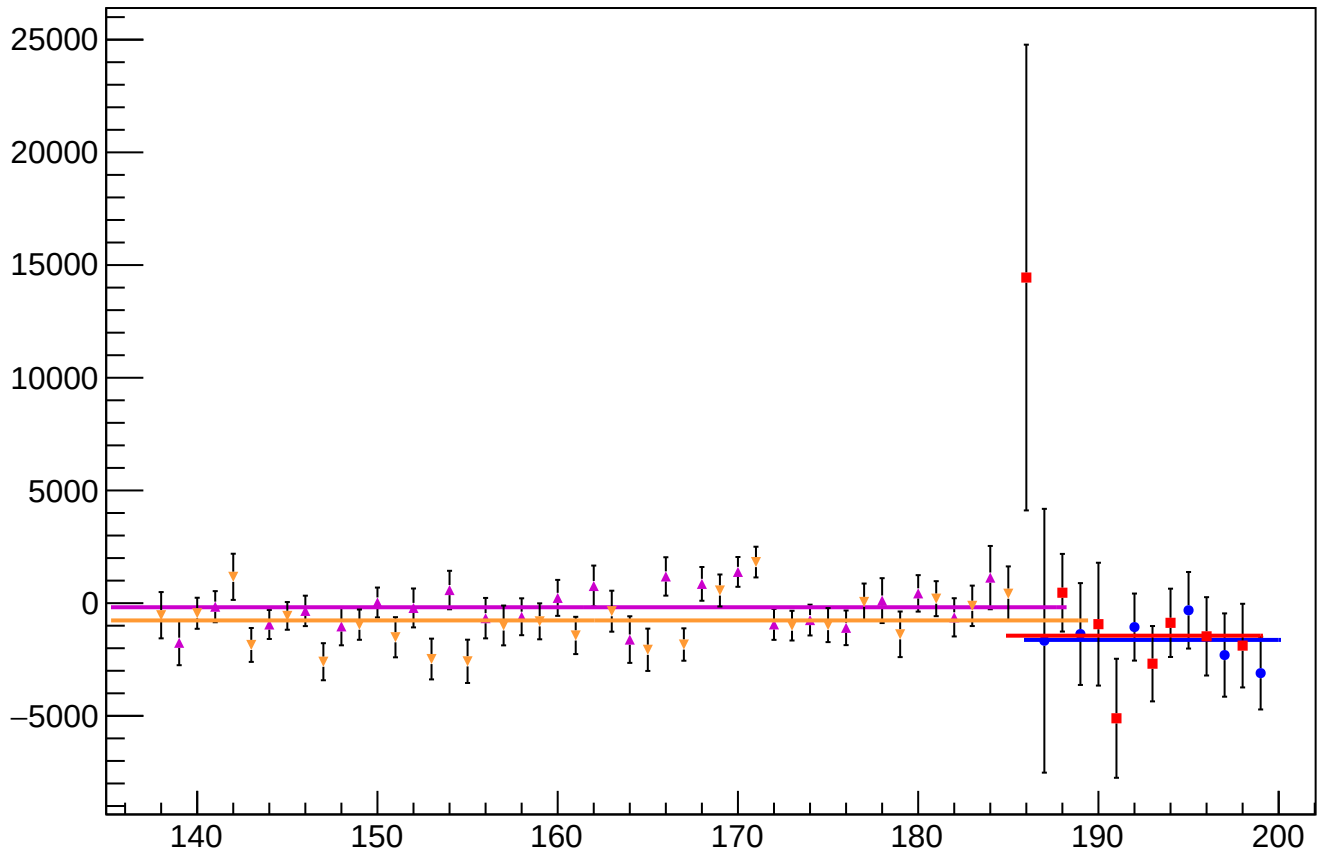
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 104.579 $\pm$ 0.016 χ^2 /NDF: 1115209.5/30

All: 105.351 $\pm$ 0.011 χ^2 /NDF: 2828057.9/61

- sign 106.154 $\pm$ 0.016 χ^2 /NDF: 1708020.6/30

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1630.751+/-766.703 χ^2/NDF : 1.7/5

Left Out: -766.358+/-161.066 χ^2/NDF : 46.5/24

Right Out: -1442.850+/-700.252 χ^2/NDF : 6.3/7

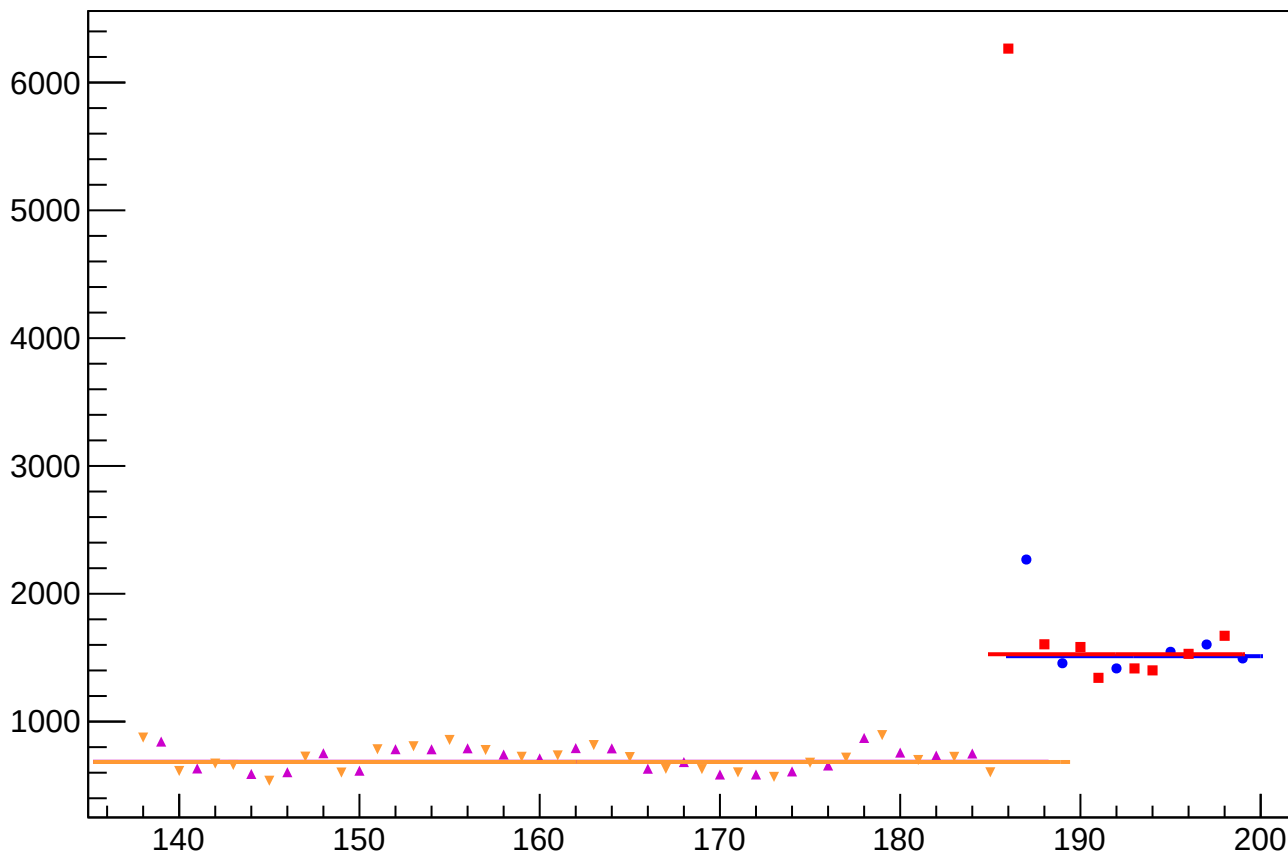
Left In: -181.584+/-165.671 χ^2/NDF : 25.0/22

+ sign -802.893+/-157.626 χ^2/NDF : 49.5/30

All: -531.916+/-112.708 χ^2/NDF : 89.9/61

- sign -248.439+/-161.220 χ^2/NDF : 34.4/30

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1511.611+/-0.542 χ^2/NDF : 48827.3/5

Left Out: 683.884+/-0.114 χ^2/NDF : 667158.2/24

Right Out: 1526.864+/-0.495 χ^2/NDF : 470240.4/7

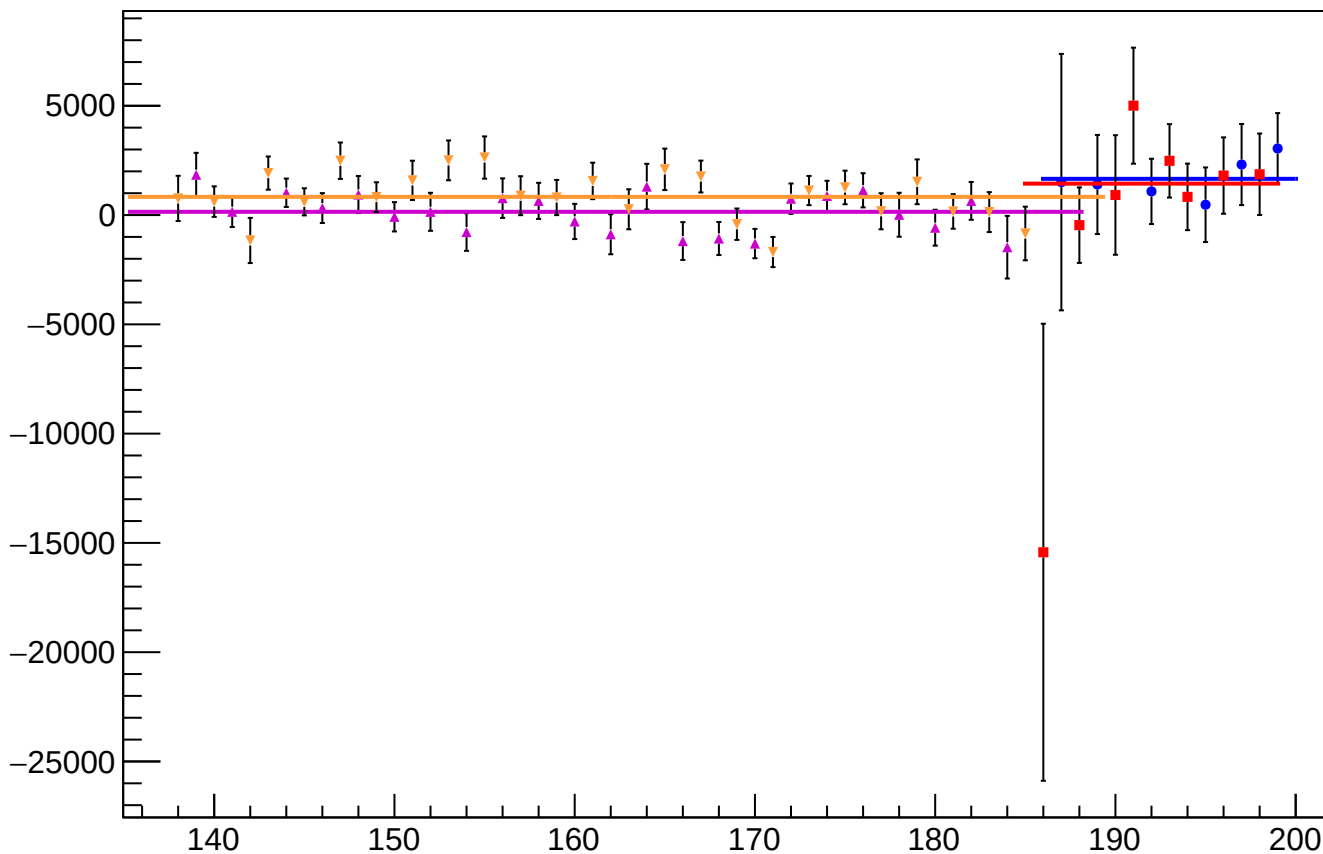
Left In: 685.593+/-0.117 χ^2/NDF : 529353.6/22

+ sign 718.870+/-0.111 χ^2/NDF : 2948496.6/30

All: 724.400+/-0.080 χ^2/NDF : 6686760.3/61

- sign 730.186+/-0.114 χ^2/NDF : 3733226.1/30

asym_sam_1548_avg_mean vs Slug



Right In: 1658.022 $\pm$ 769.982 χ^2 /NDF: 1.5/5

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF: 43.2/24

Right Out: 1437.686 $\pm$ 703.380 χ^2 /NDF: 6.3/7

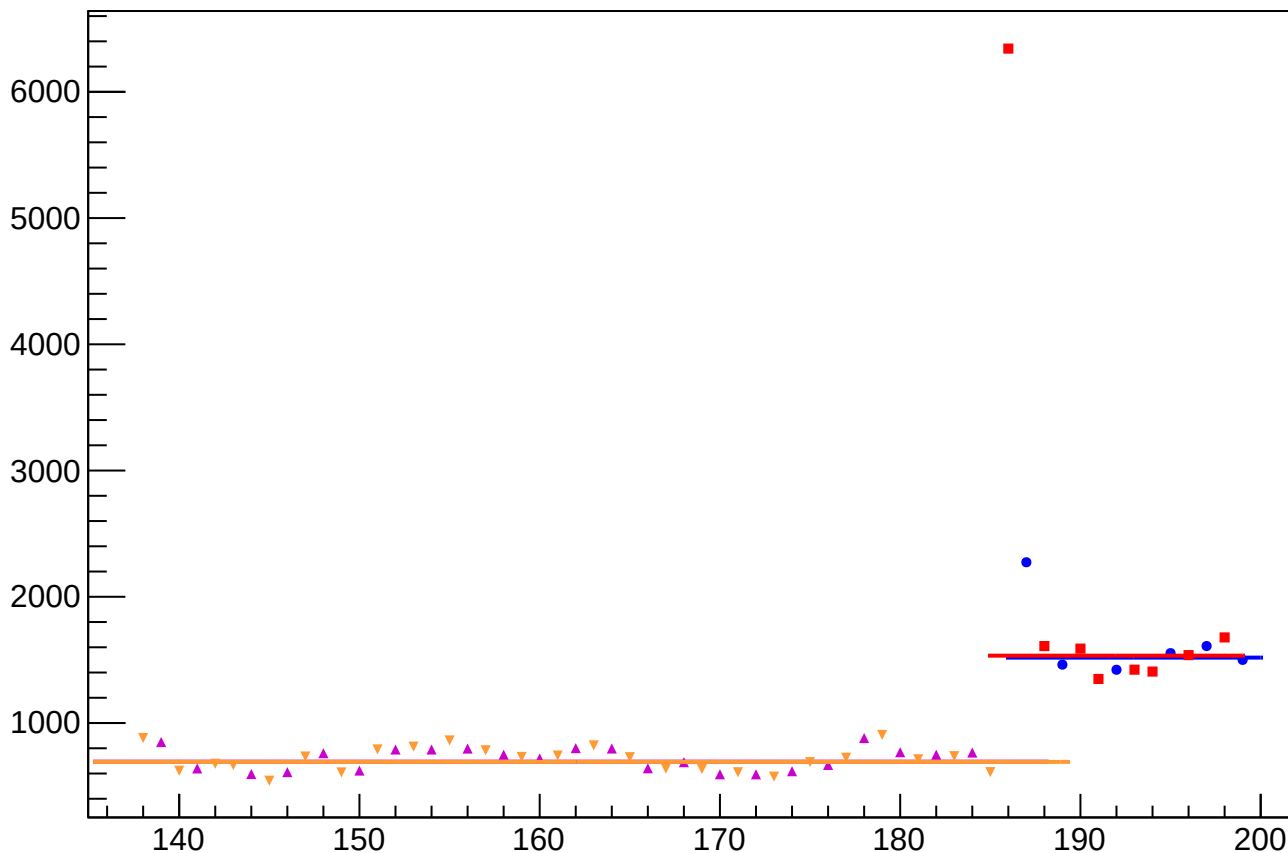
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF: 26.0/22

+ sign 868.750 $\pm$ 159.433 χ^2 /NDF: 45.8/30

All: 550.771 $\pm$ 114.002 χ^2 /NDF: 89.5/61

- sign 218.095 $\pm$ 163.076 χ^2 /NDF: 35.5/30

asym_sam_1548_avg_rms vs Slug



Right In: 1518.114+/-0.544 χ^2/NDF : 48657.2/5

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1533.641+/-0.497 χ^2/NDF : 471912.1/7

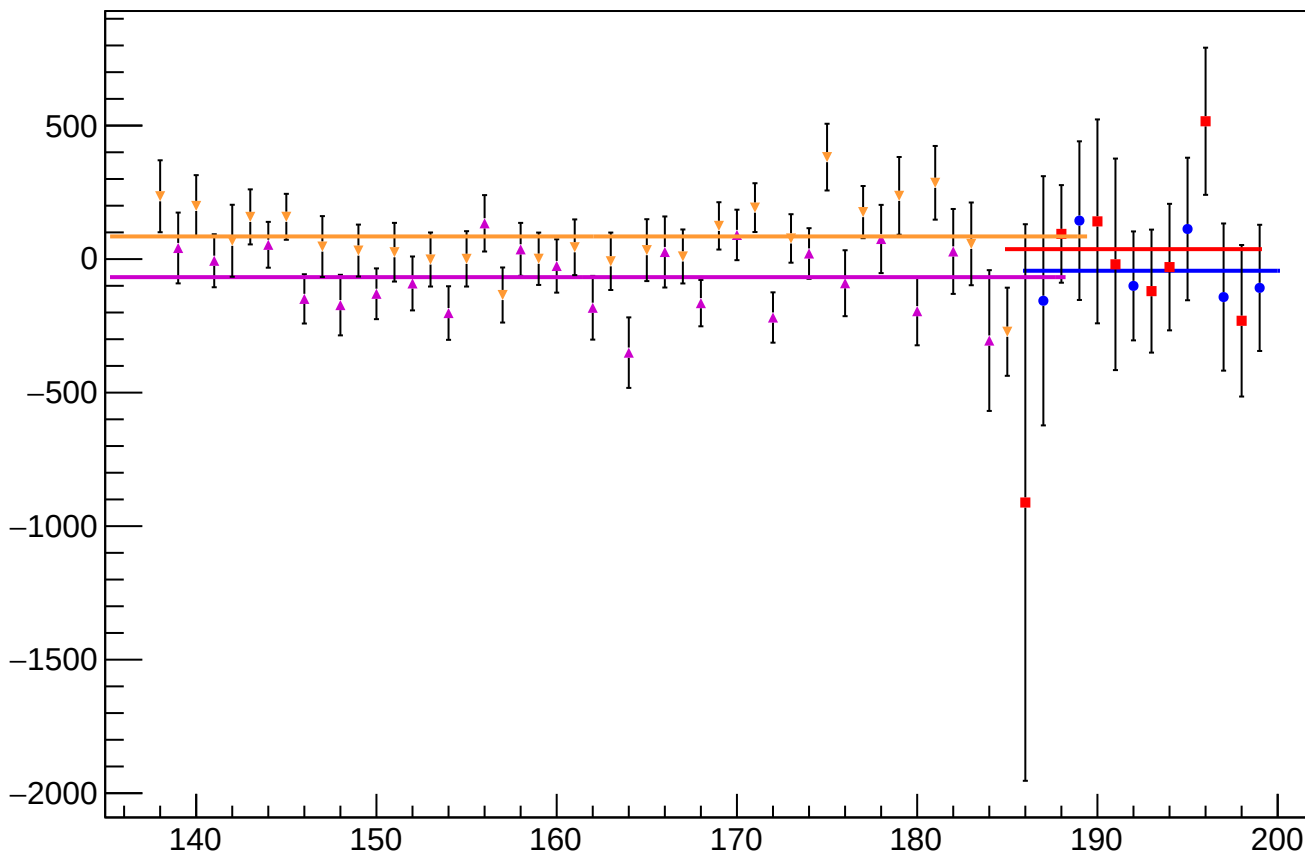
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 727.512+/-0.113 χ^2/NDF : 2908925.5/30

All: 733.130+/-0.081 χ^2/NDF : 6605584.5/61

- sign 739.007+/-0.115 χ^2/NDF : 3691577.6/30

reg_asym_sam_3748_avg_mean vs Slug



Right In: -43.677 ± 108.414 χ^2/NDF : 1.1/5

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 37.268 ± 96.964 χ^2/NDF : 5.5/7

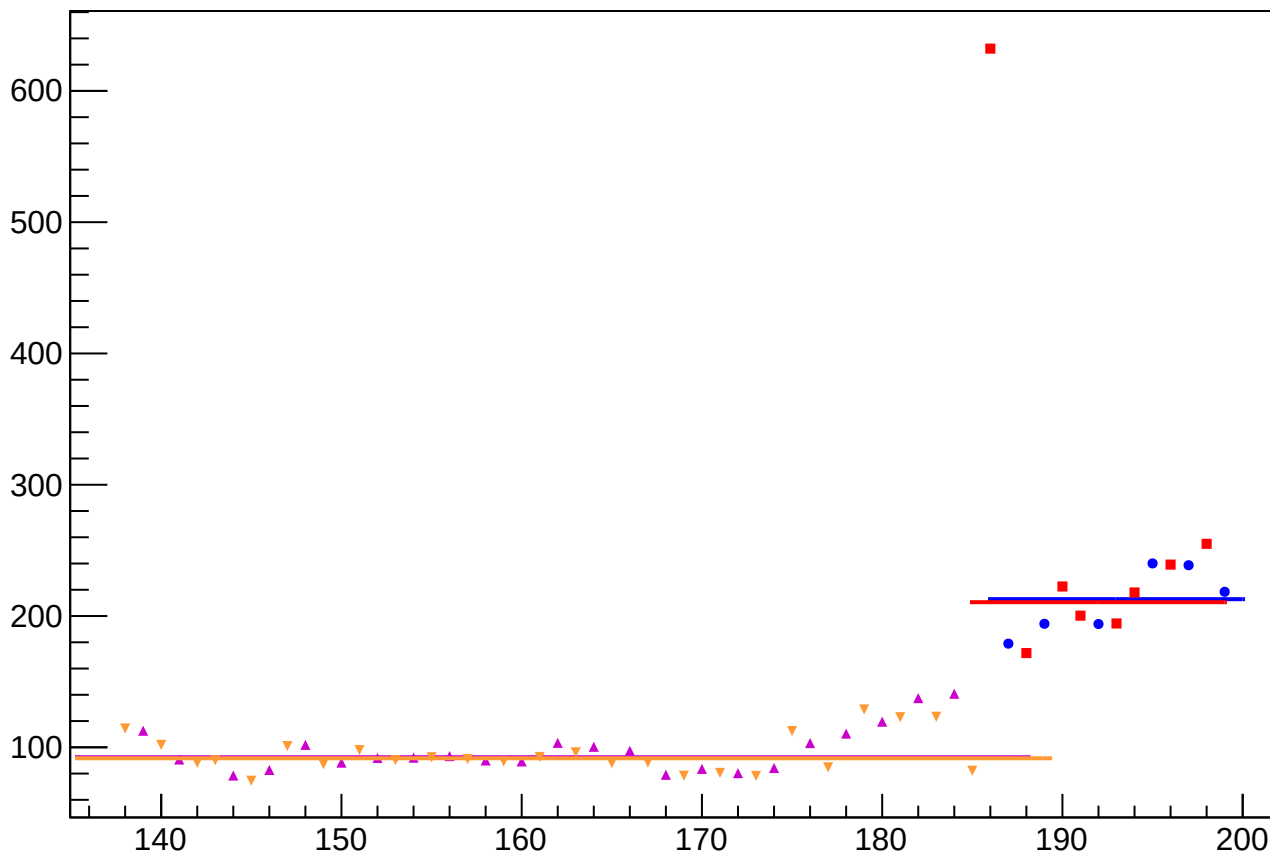
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 79.933 ± 21.224 χ^2/NDF : 30.9/30

All: 10.990 ± 15.231 χ^2/NDF : 88.1/61

- sign -62.219 ± 21.871 χ^2/NDF : 35.4/30

reg_asym_sam_3748_avg_rms vs Slug



Right In: 212.846 $\pm$ 0.077 χ^2 /NDF: 75283.4/5

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF:693122.0/24

Right Out: 210.548 $\pm$ 0.069 χ^2 /NDF: 503162.0/7

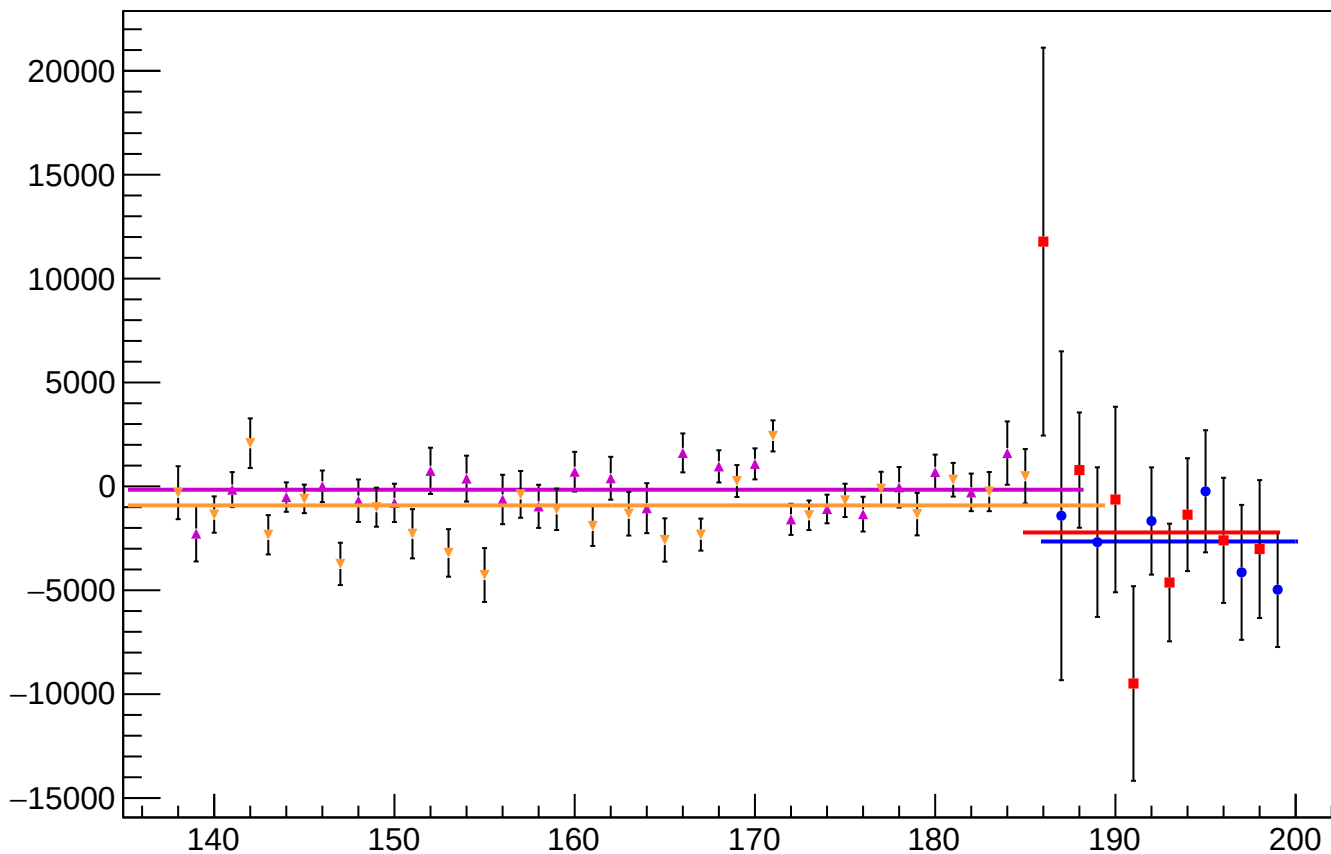
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF:655700.4/22

+ sign 96.278 $\pm$ 0.015 χ^2 /NDF: 3172713.8/30

All: 97.343 $\pm$ 0.011 χ^2 /NDF: 7157085.6/61

- sign 98.473 $\pm$ 0.015 χ^2 /NDF: 3973996.2/30

asym_sam_3748_avg_correction_mean vs Slug



Right In: -2652.154 ± 1307.555 χ^2/NDF : 1.8/5

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -2217.937 ± 1196.599 χ^2/NDF : 6.9/7

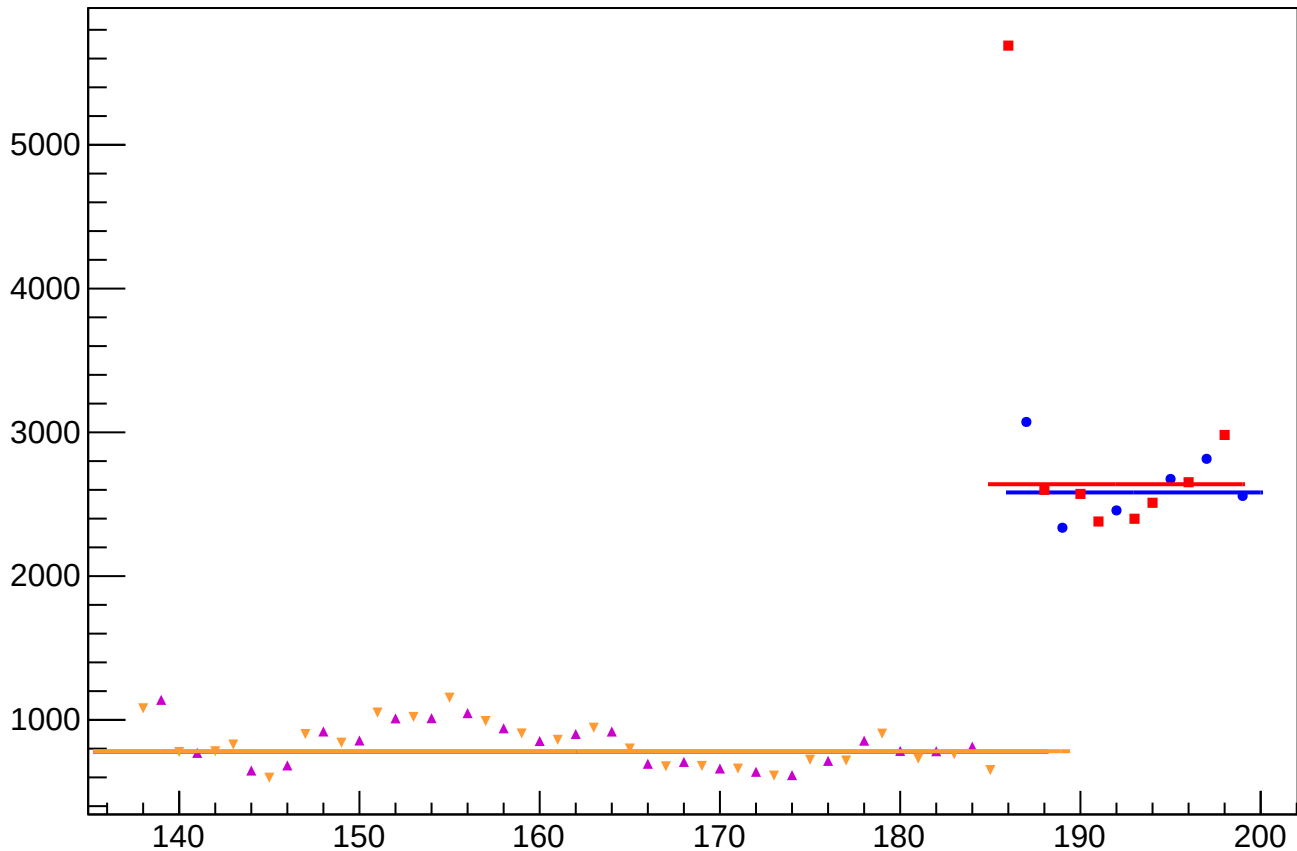
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -948.940 ± 183.506 χ^2/NDF : 67.7/30

All: -587.433 ± 131.031 χ^2/NDF : 110.4/61

- sign -211.395 ± 187.158 χ^2/NDF : 34.8/30

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2582.044 $\pm$ 0.925 χ^2 /NDF: 34221.1/5

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2639.157 $\pm$ 0.846 χ^2 /NDF: 260898.8/7

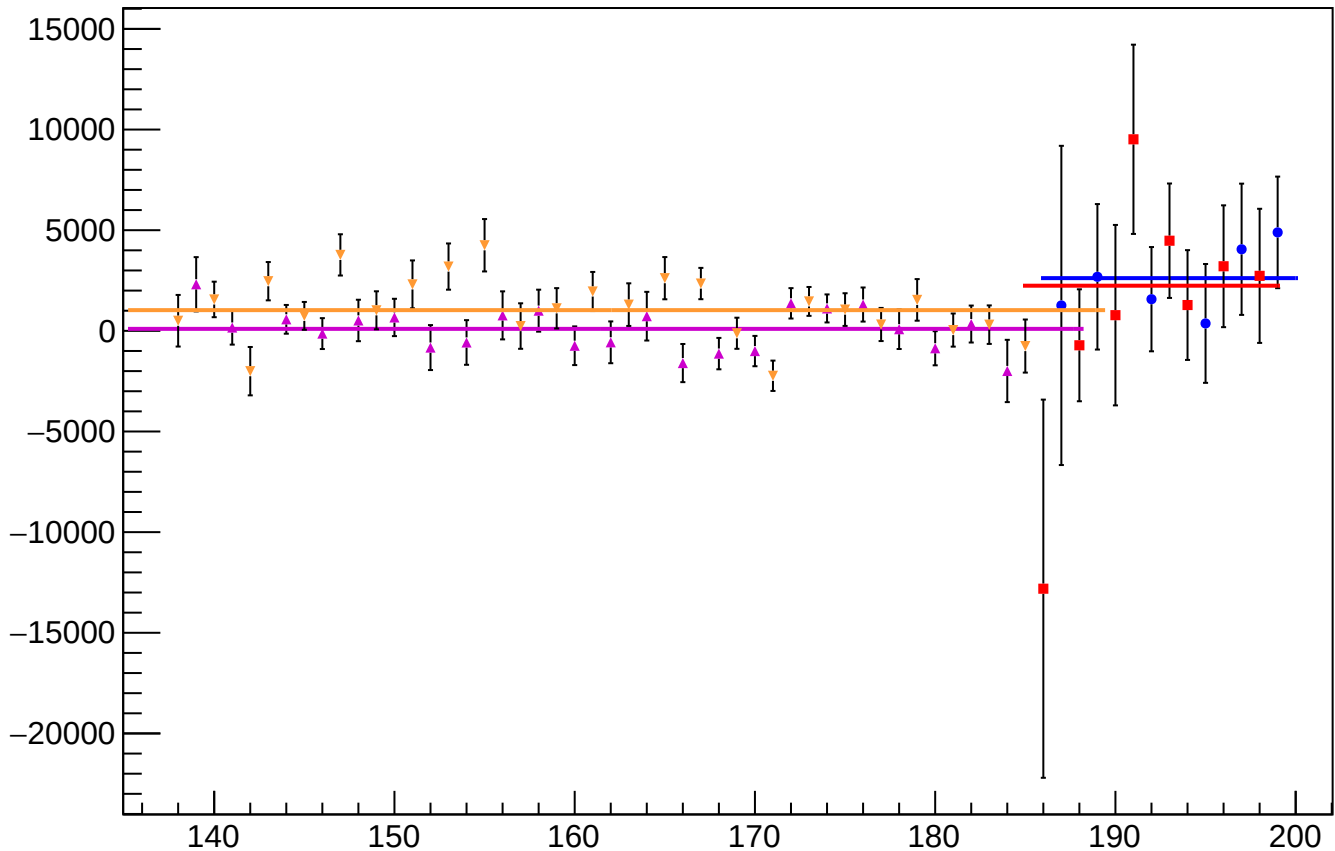
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 817.495 $\pm$ 0.130 χ^2 /NDF: 4880702.7/30

All: 820.929 $\pm$ 0.093 χ^2 /NDF: 10838233.7/63

- sign 824.501 $\pm$ 0.132 χ^2 /NDF: 5956102.1/30

asym_sam_3748_avg_mean vs Slug



Right In: 2618.895+/-1312.347 χ^2/NDF : 1.6/5

Left Out: 1028.864+/-186.810 χ^2/NDF : 60.2/24

Right Out: 2242.741+/-1201.065 χ^2/NDF : 7.1/7

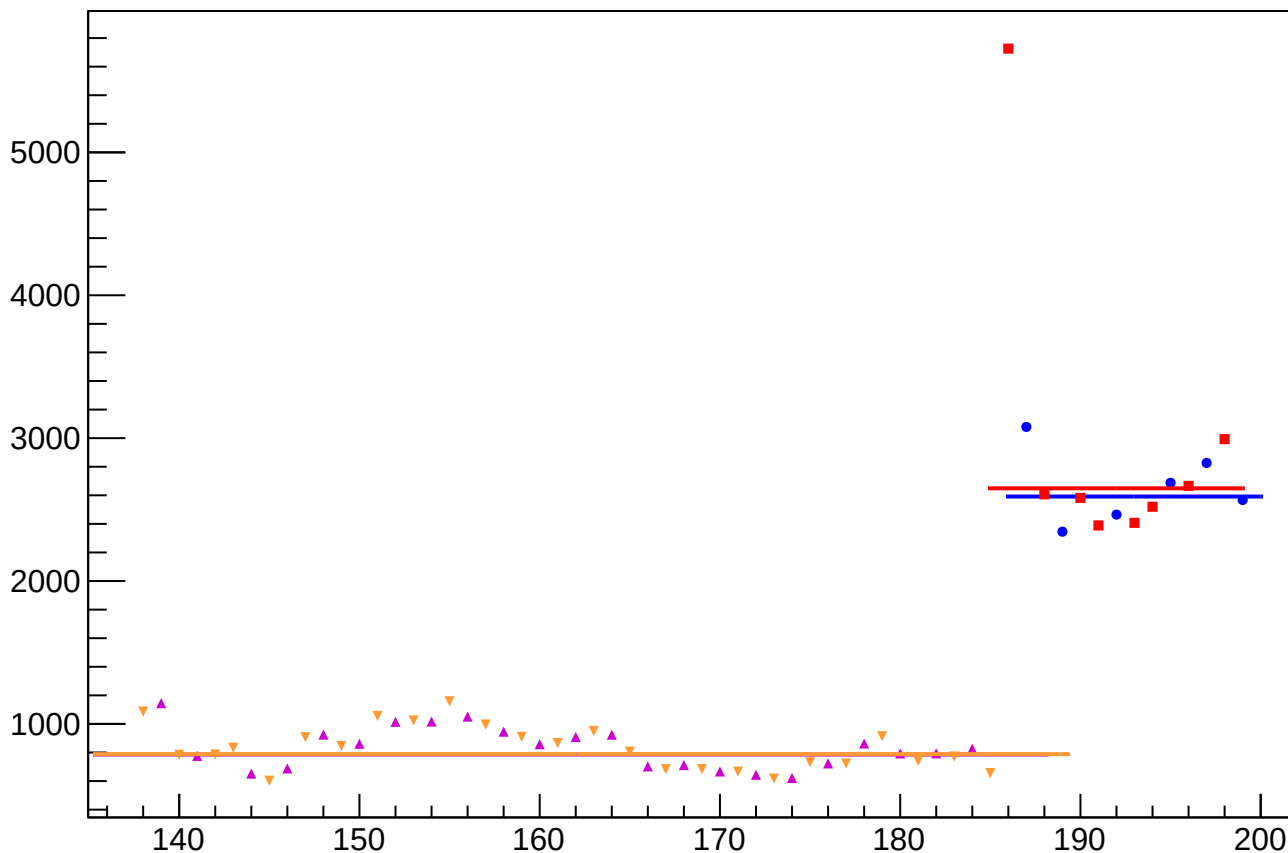
Left In: 98.691+/-191.027 χ^2/NDF : 25.4/22

+ sign 1060.443+/-184.946 χ^2/NDF : 63.2/30

All: 615.040+/-132.069 χ^2/NDF : 110.6/61

- sign 151.589+/-188.656 χ^2/NDF : 35.6/30

asym_sam_3748_avg_rms vs Slug



Right In: 2591.509+/-0.928 χ^2/NDF : 34265.2/5

Left Out: 788.442+/-0.132 χ^2/NDF : 1113741.6/24

Right Out: 2648.915+/-0.849 χ^2/NDF : 261966.2/7

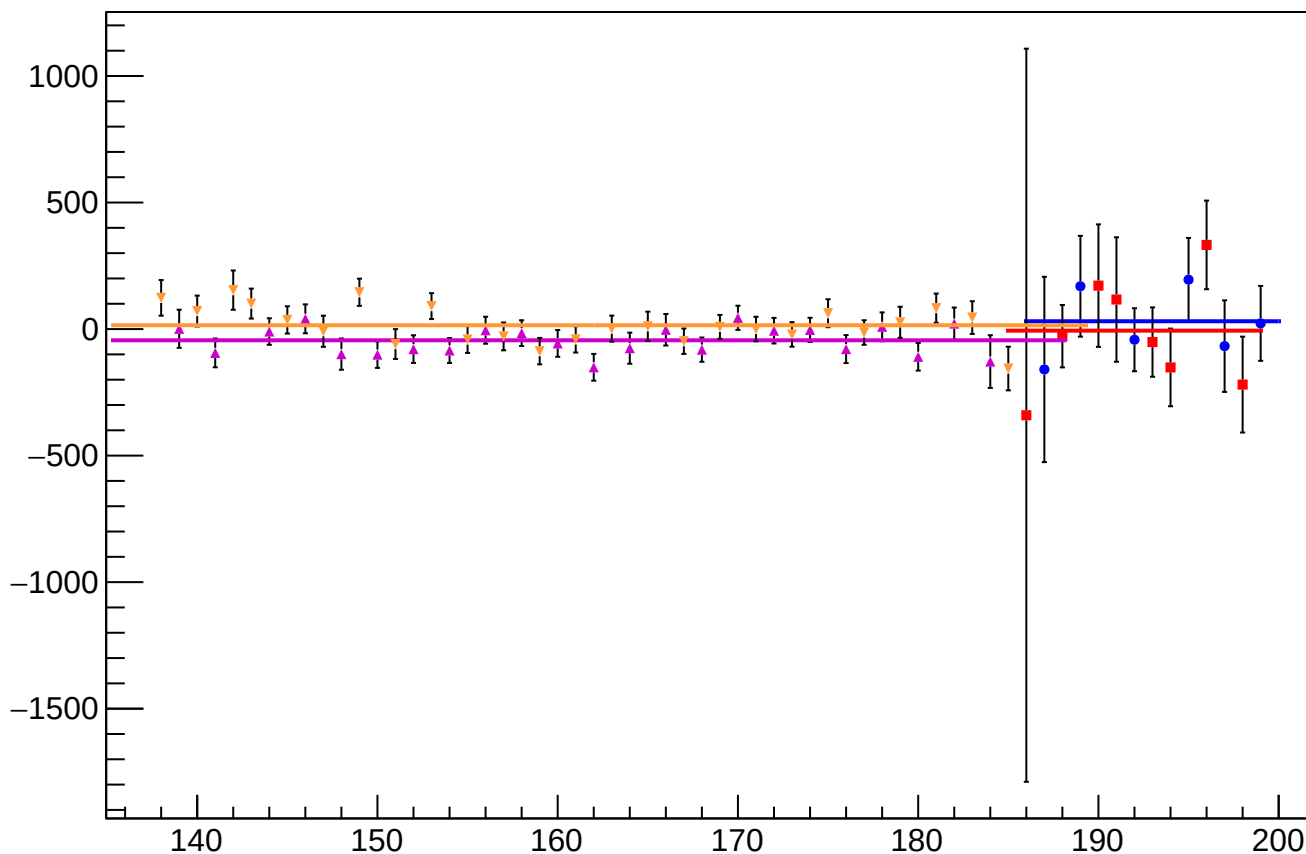
Left In: 785.490+/-0.135 χ^2/NDF : 965338.9/22

+ sign 824.252+/-0.131 χ^2/NDF : 4848370.3/30

All: 827.787+/-0.093 χ^2/NDF : 10772554.0/63

- sign 831.465+/-0.133 χ^2/NDF : 5922692.8/30

reg_asym_sam_1526_avg_mean vs Slug



Right In: 30.894+/-68.980 χ^2/NDF : 2.4/5

Left Out: 15.099+/-11.154 χ^2/NDF : 34.2/24

Right Out: -6.188+/-62.491 χ^2/NDF : 6.9/7

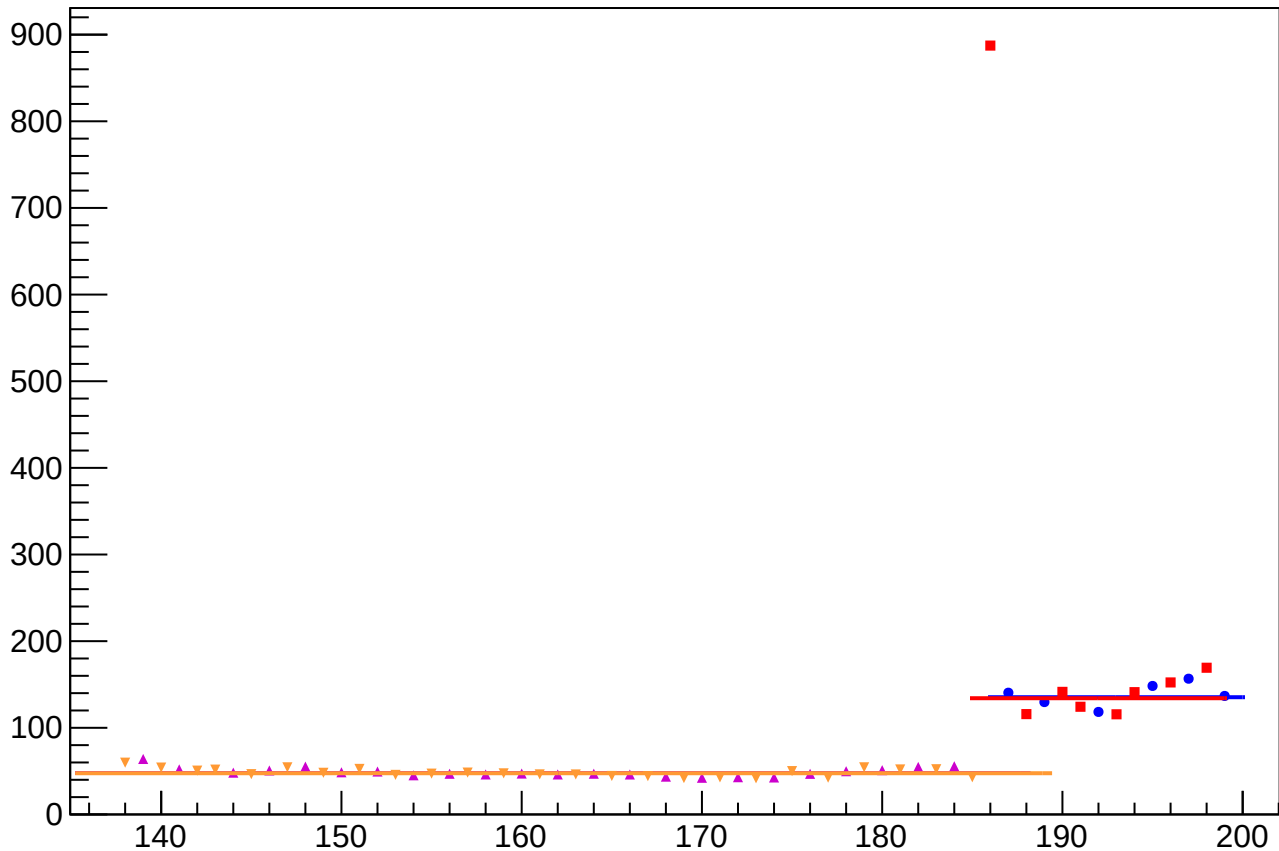
Left In: -44.297+/-11.530 χ^2/NDF : 22.3/22

+ sign 15.502+/-11.011 χ^2/NDF : 36.6/30

All: -12.914+/-7.899 χ^2/NDF : 79.9/61

- sign -43.043+/-11.338 χ^2/NDF : 29.5/30

reg_asym_sam_1526_avg_rms vs Slug



Right In: 135.310 $\pm$ 0.049 χ^2 /NDF: 79670.6/5

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 134.145 $\pm$ 0.044 χ^2 /NDF: 721542.0/7

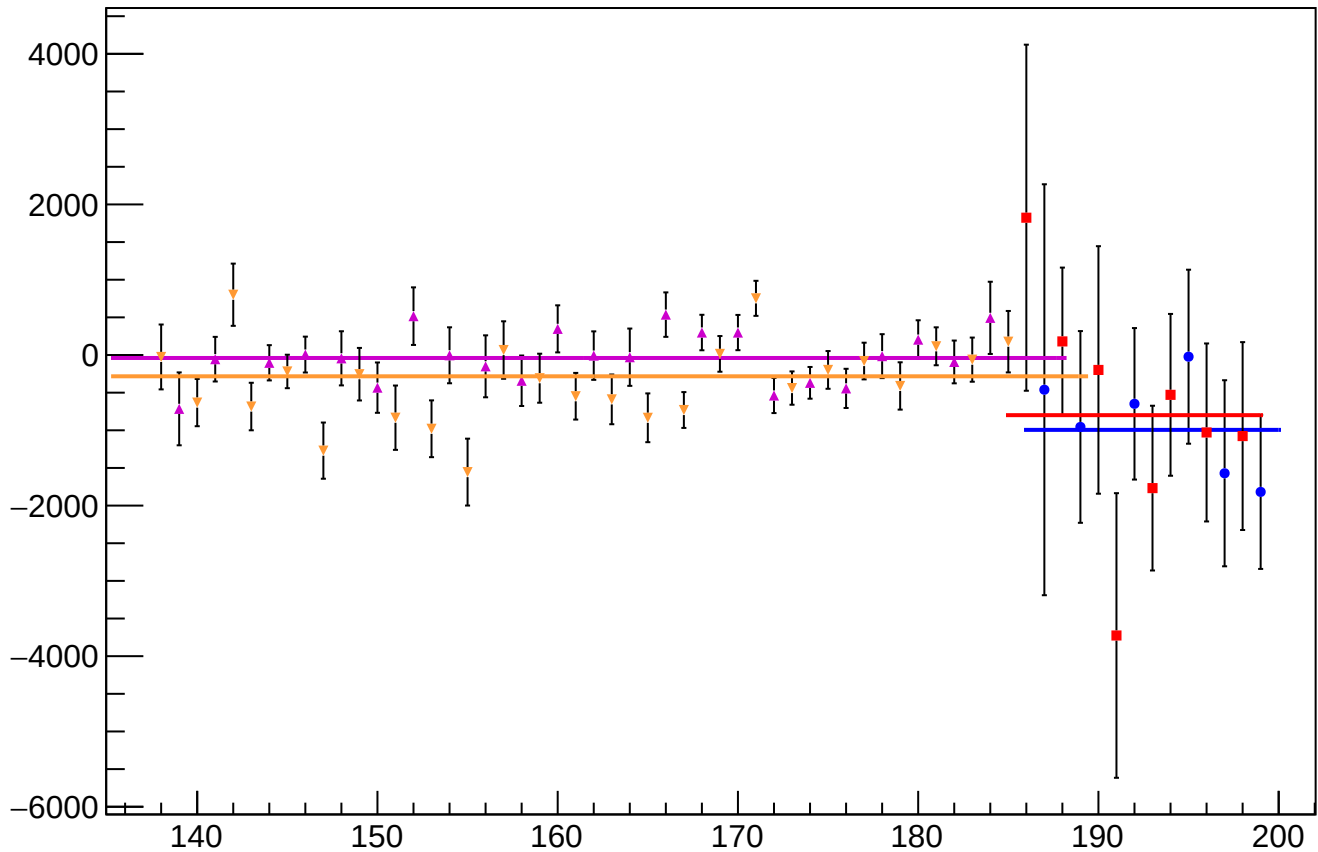
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 49.822 $\pm$ 0.008 χ^2 /NDF: 3544700.7/30

All: 50.242 $\pm$ 0.006 χ^2 /NDF: 8242674.8/61

- sign 50.687 $\pm$ 0.008 χ^2 /NDF: 4691977.1/30

asym_sam_1526_avg_correction_mean vs Slug



Right In: -994.293 ± 493.944 χ^2/NDF : 1.7/5

Left Out: -282.798 ± 59.690 χ^2/NDF : 66.5/24

Right Out: -798.869 ± 449.977 χ^2/NDF : 5.8/7

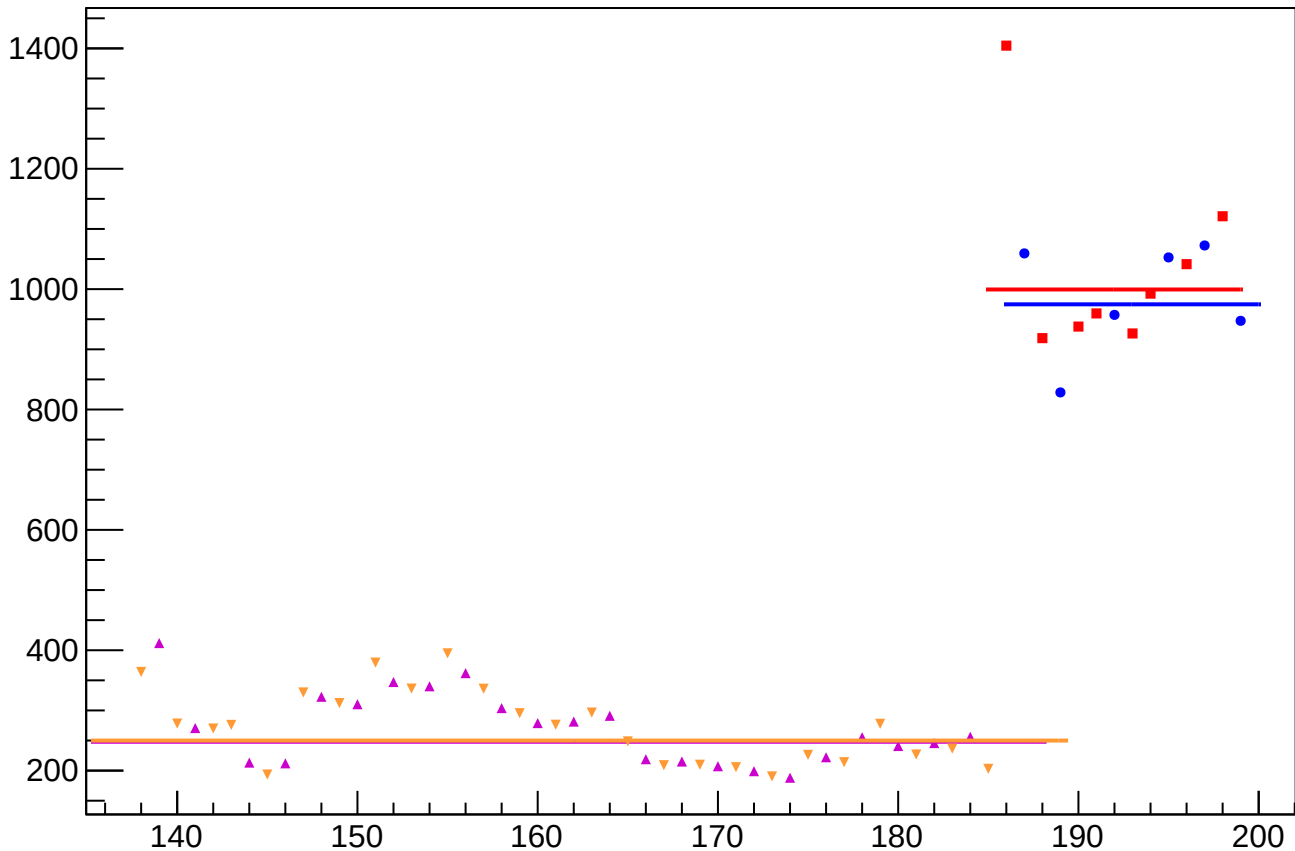
Left In: -39.432 ± 60.759 χ^2/NDF : 27.5/22

+ sign -293.039 ± 59.259 χ^2/NDF : 70.3/30

All: -174.950 ± 42.235 χ^2/NDF : 114.5/61

- sign -53.030 ± 60.212 χ^2/NDF : 36.1/30

asym_sam_1526_avg_correction_rms vs Slug



Right In: 974.749 $\pm$ 0.349 χ^2/NDF : 52013.4/5

Left Out: 249.956 $\pm$ 0.042 χ^2/NDF : 1614205.9/24

Right Out: 999.419 $\pm$ 0.318 χ^2/NDF : 110001.9/7

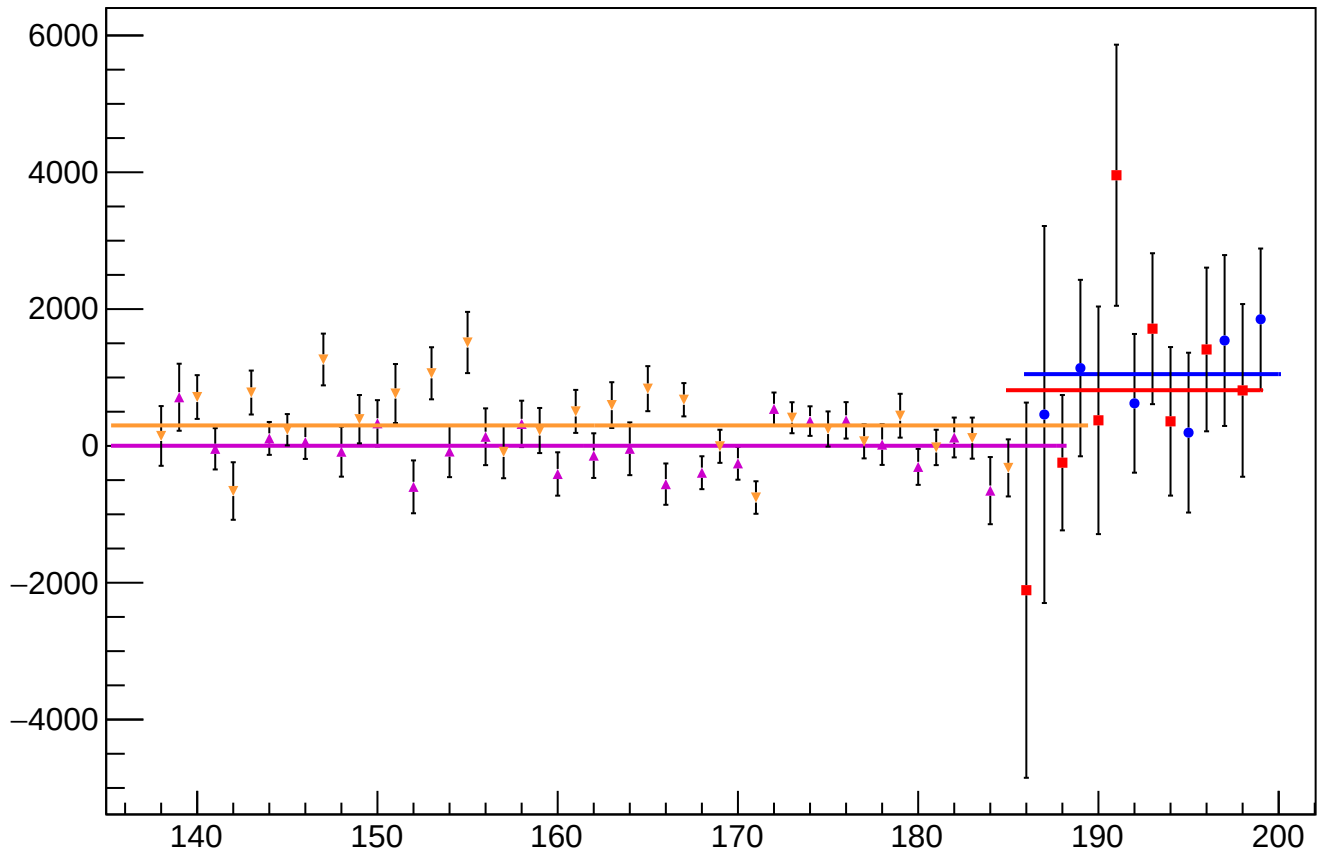
Left In: 247.917 $\pm$ 0.043 χ^2/NDF : 1410847.5/22

+ sign 260.388 $\pm$ 0.042 χ^2/NDF : 5910511.8/30

All: 260.873 $\pm$ 0.030 χ^2/NDF : 12910146.2/63

- sign 261.373 $\pm$ 0.043 χ^2/NDF : 6999362.7/30

asym_sam_1526_avg_mean vs Slug



Right In: 1049.298 $\pm$ 499.018 χ^2 /NDF: 1.5/5

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF: 62.5/24

Right Out: 814.227 $\pm$ 457.060 χ^2 /NDF: 6.2/7

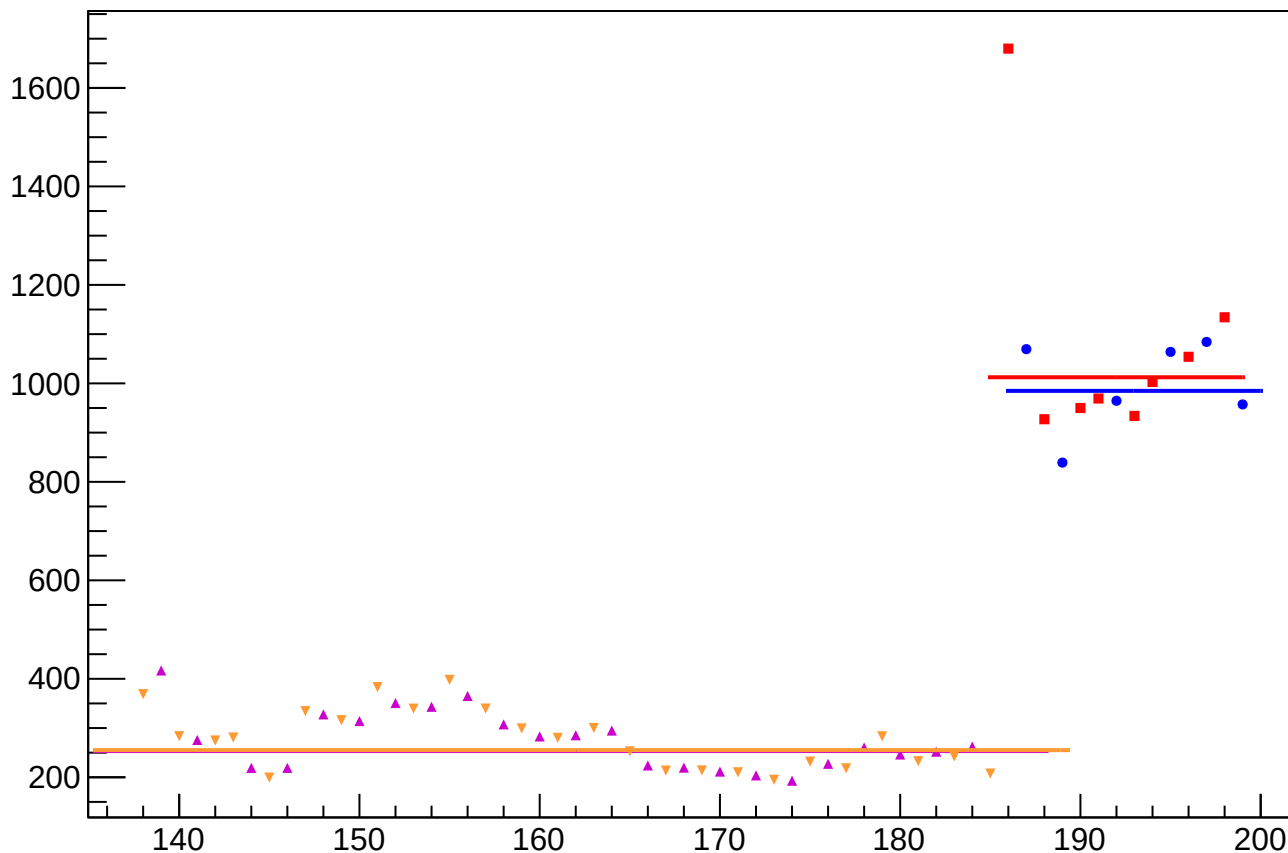
Left In: 2.185 $\pm$ 62.005 χ^2 /NDF: 29.2/22

+ sign 310.550 $\pm$ 60.412 χ^2 /NDF: 66.2/30

All: 166.187 $\pm$ 43.077 χ^2 /NDF: 116.3/61

- sign 16.860 $\pm$ 61.442 χ^2 /NDF: 38.4/30

asym_sam_1526_avg_rms vs Slug



Right In: 984.768+/-0.353 χ^2/NDF : 51456.8/5

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 1012.404+/-0.323 χ^2/NDF : 168494.1/7

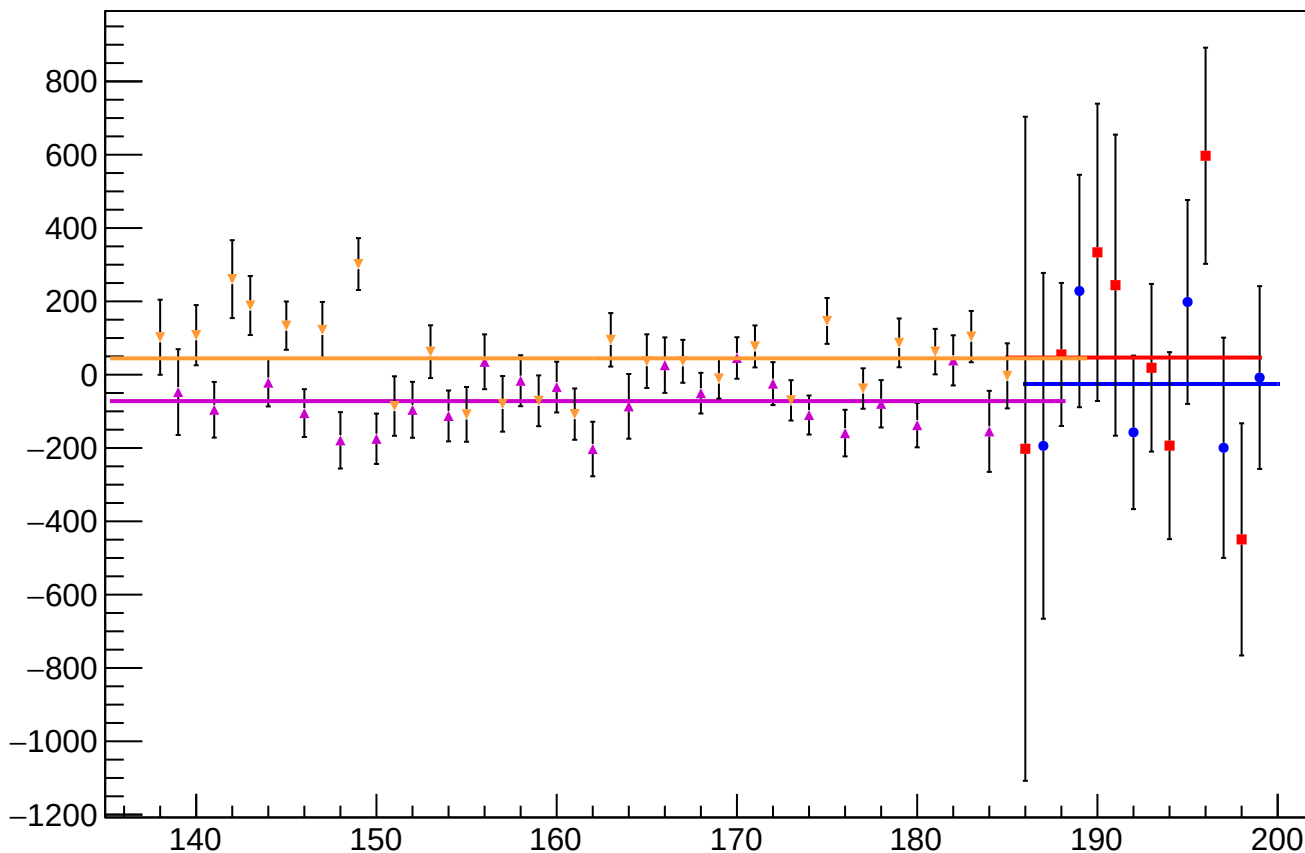
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 265.829+/-0.043 χ^2/NDF : 5806517.9/30

All: 266.407+/-0.030 χ^2/NDF : 12734320.2/63

- sign 267.005+/-0.043 χ^2/NDF : 6927429.4/30

reg_asym_sam_3726_avg_mean vs Slug



Right In: -25.367 $\pm$ 113.696 χ^2/NDF : 2.2/5

Left Out: 44.602 $\pm$ 13.824 χ^2/NDF : 53.9/24

Right Out: 46.706 $\pm$ 102.339 χ^2/NDF : 7.7/7

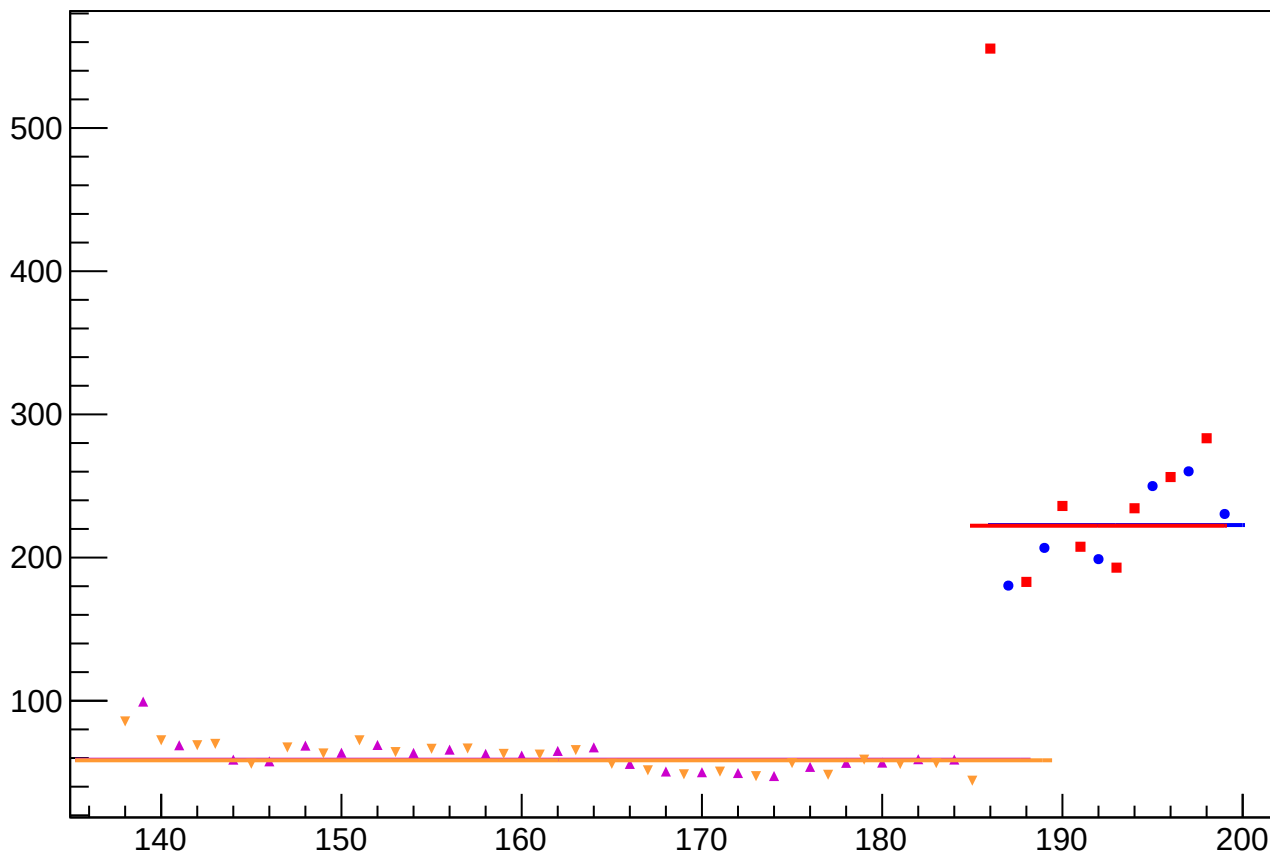
Left In: -72.037 $\pm$ 14.296 χ^2/NDF : 25.3/22

+ sign 43.583 $\pm$ 13.723 χ^2/NDF : 56.4/30

All: -11.320 $\pm$ 9.854 χ^2/NDF : 123.8/61

- sign -69.764 $\pm$ 14.159 χ^2/NDF : 34.3/30

reg_asym_sam_3726_avg_rms vs Slug



Right In: 222.719 $\pm$ 0.080 χ^2 /NDF: 99277.7/5

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 222.253 $\pm$ 0.072 χ^2 /NDF: 494959.3/7

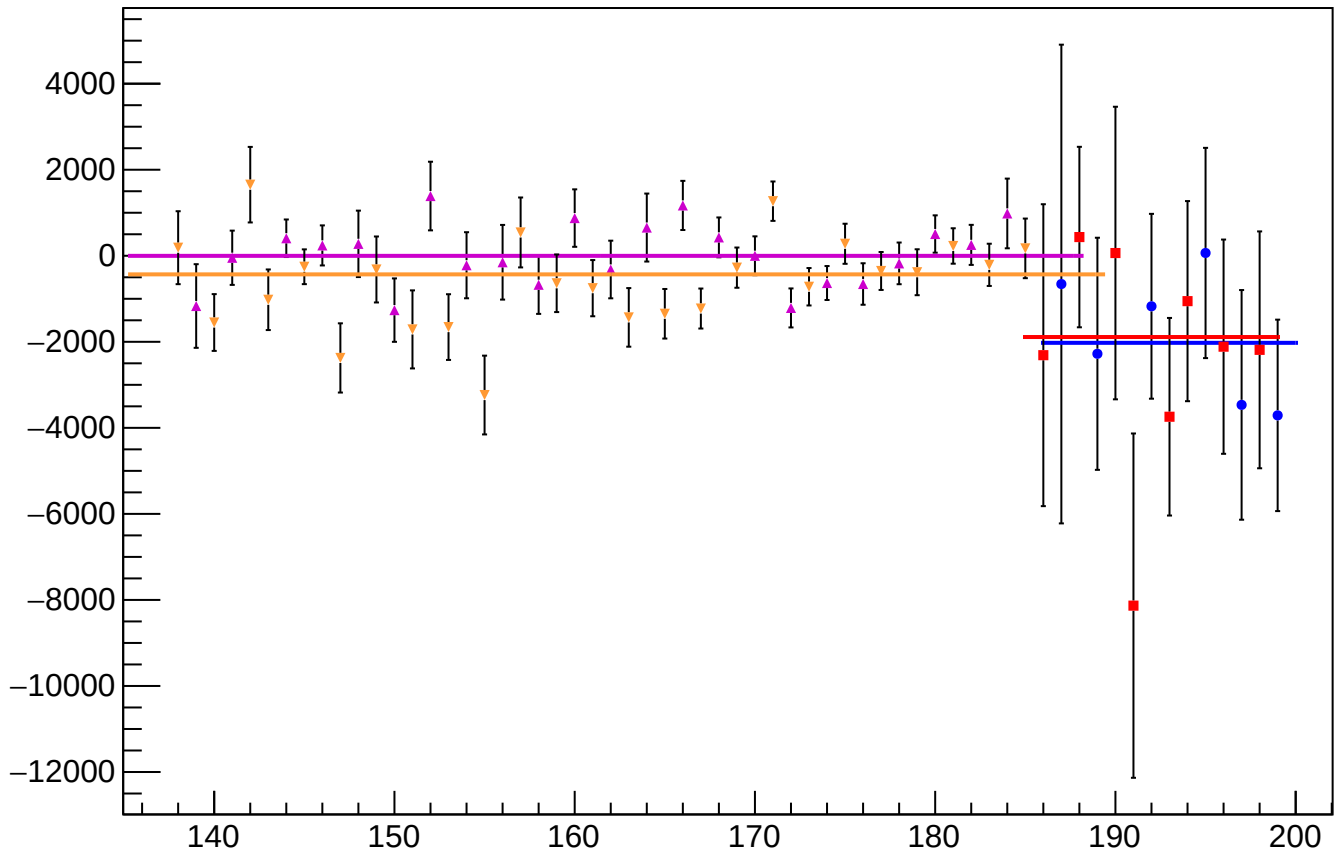
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 60.816 $\pm$ 0.010 χ^2 /NDF: 5004841.4/30

All: 61.374 $\pm$ 0.007 χ^2 /NDF: 11188409.3/61

- sign 61.968 $\pm$ 0.010 χ^2 /NDF: 6176749.2/30

asym_sam_3726_avg_correction_mean vs Slug



Right In: -2023.772 ± 1056.372 $\chi^2/\text{NDF}: 1.8/5$

Left Out: -432.330 ± 114.408 $\chi^2/\text{NDF}: 59.4/24$

Right Out: -1888.781 ± 942.798 $\chi^2/\text{NDF}: 4.8/7$

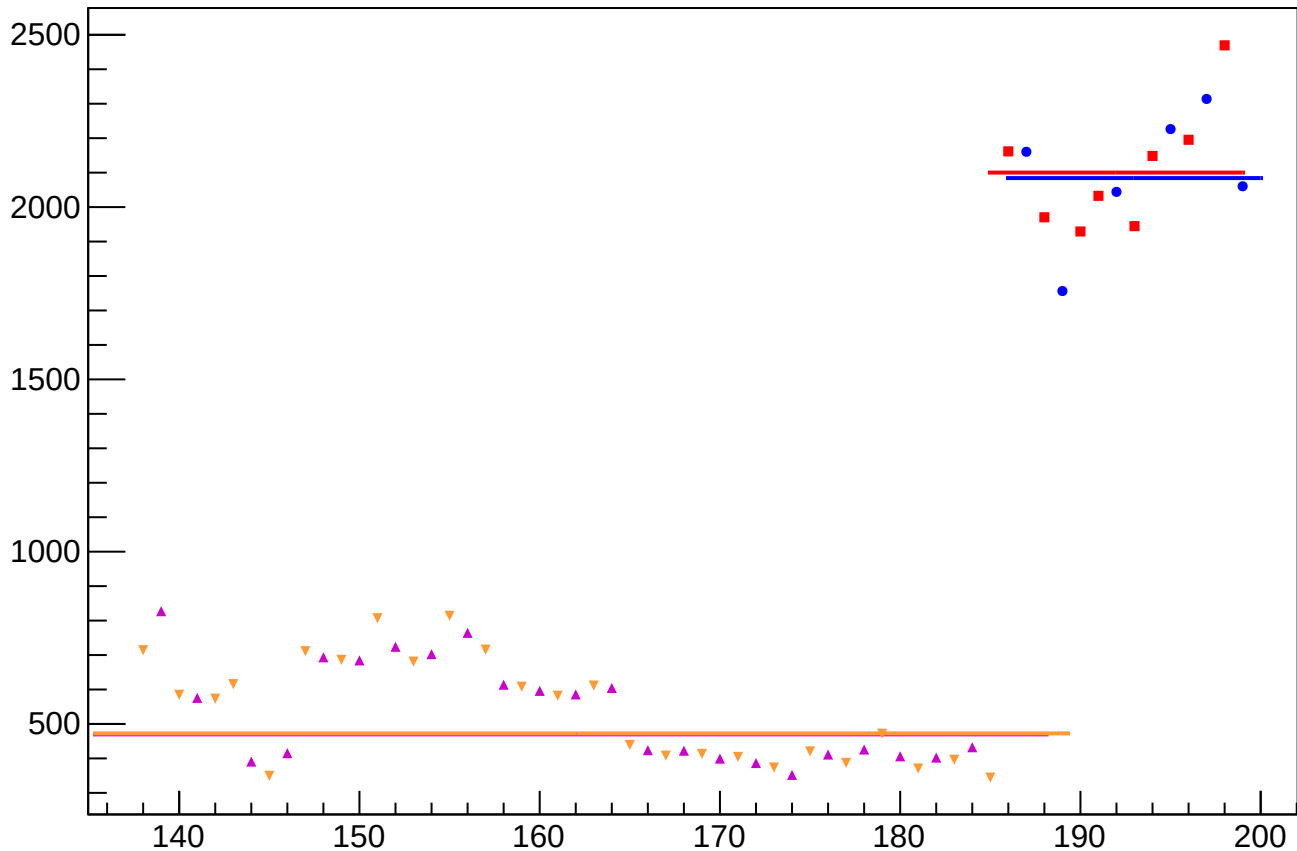
Left In: -1.825 ± 116.459 $\chi^2/\text{NDF}: 32.3/22$

+ sign -450.780 ± 113.743 $\chi^2/\text{NDF}: 63.5/30$

All: -243.852 ± 81.070 $\chi^2/\text{NDF}: 111.2/61$

- sign -30.184 ± 115.580 $\chi^2/\text{NDF}: 41.1/30$

asym_sam_3726_avg_correction_rms vs Slug



Right In: 2084.192+/-0.747 χ^2/NDF : 52400.2/5

Left Out: 472.569+/-0.081 χ^2/NDF : 2508168.9/24

Right Out: 2100.231+/-0.667 χ^2/NDF : 62811.5/7

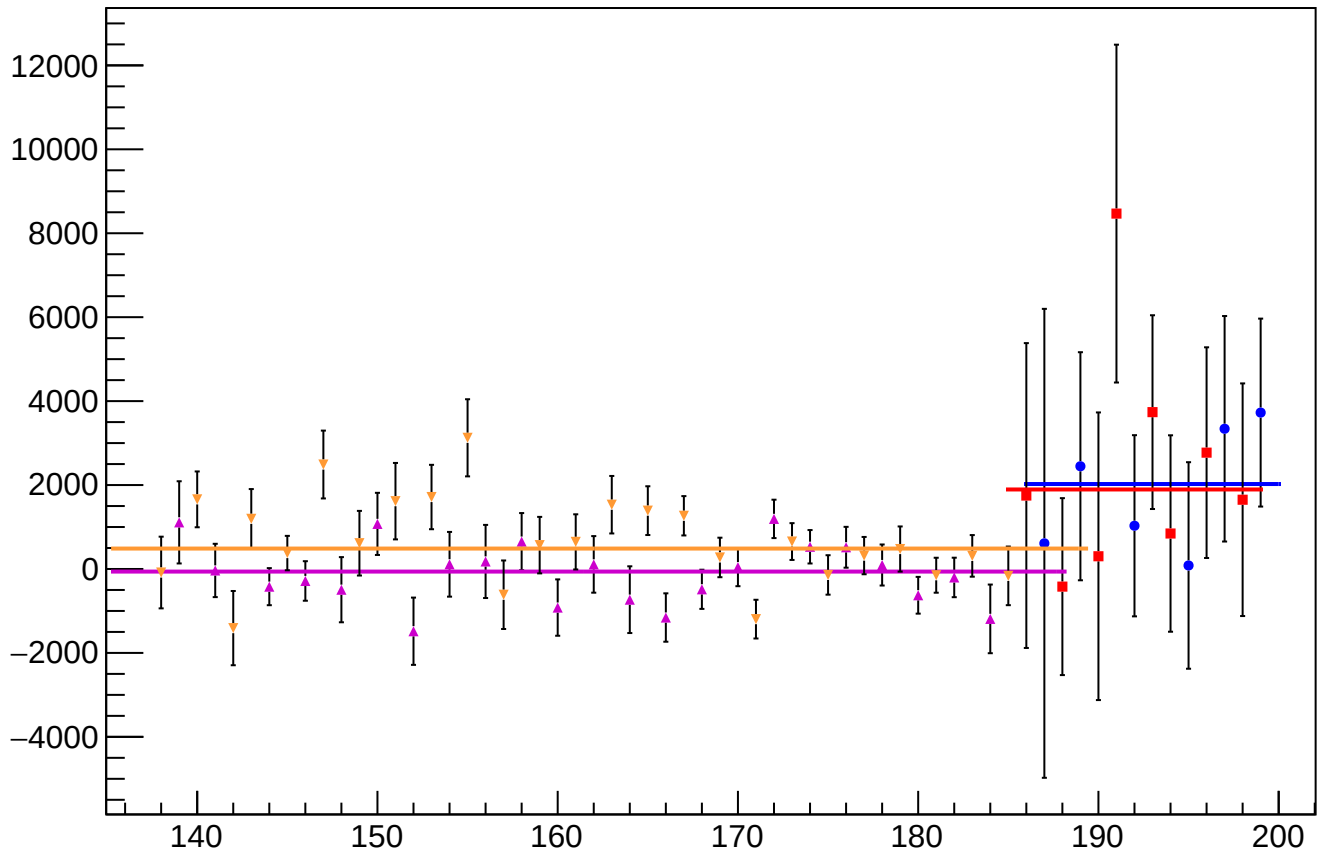
Left In: 469.761+/-0.082 χ^2/NDF : 2116885.7/22

+ sign 491.253+/-0.080 χ^2/NDF : 7161633.0/30

All: 492.735+/-0.057 χ^2/NDF : 15233737.6/63

- sign 494.266+/-0.082 χ^2/NDF : 8071414.4/30

asym_sam_3726_avg_mean vs Slug



Right In: 2024.412 $\pm$ 1062.885 χ^2/NDF : 1.7/5

Left Out: 486.645 $\pm$ 115.346 χ^2/NDF : 56.0/24

Right Out: 1894.597 $\pm$ 950.516 χ^2/NDF : 5.1/7

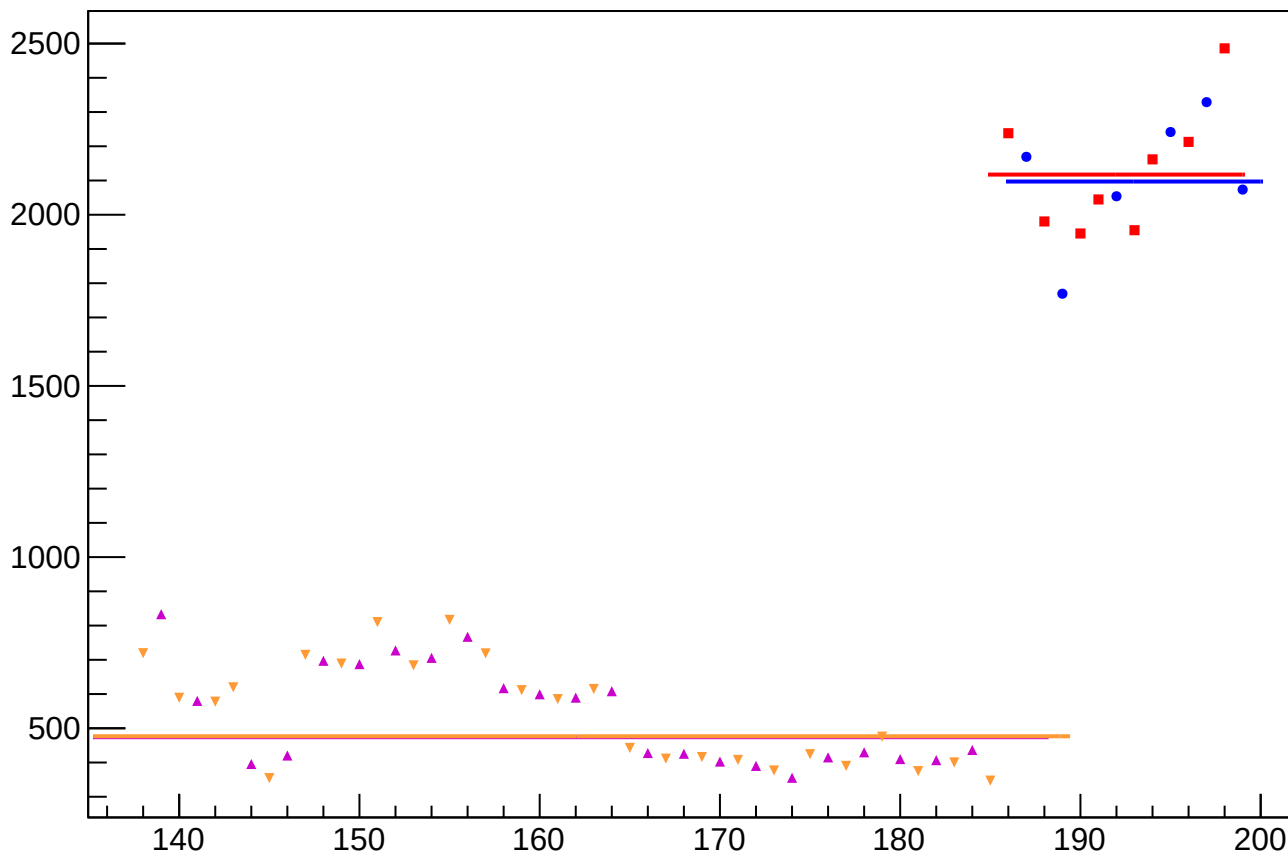
Left In: -61.775 $\pm$ 117.449 χ^2/NDF : 31.2/22

+ sign 504.545 $\pm$ 114.673 χ^2/NDF : 59.8/30

All: 240.482 $\pm$ 81.746 χ^2/NDF : 111.0/61

- sign -32.354 $\pm$ 116.562 χ^2/NDF : 40.4/30

asym_sam_3726_avg_rms vs Slug



Right In: 2097.037 $\pm$ 0.752 χ^2 /NDF: 52238.8/5

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF:2472737.6/24

Right Out: 2117.311 $\pm$ 0.672 χ^2 /NDF: 65258.3/7

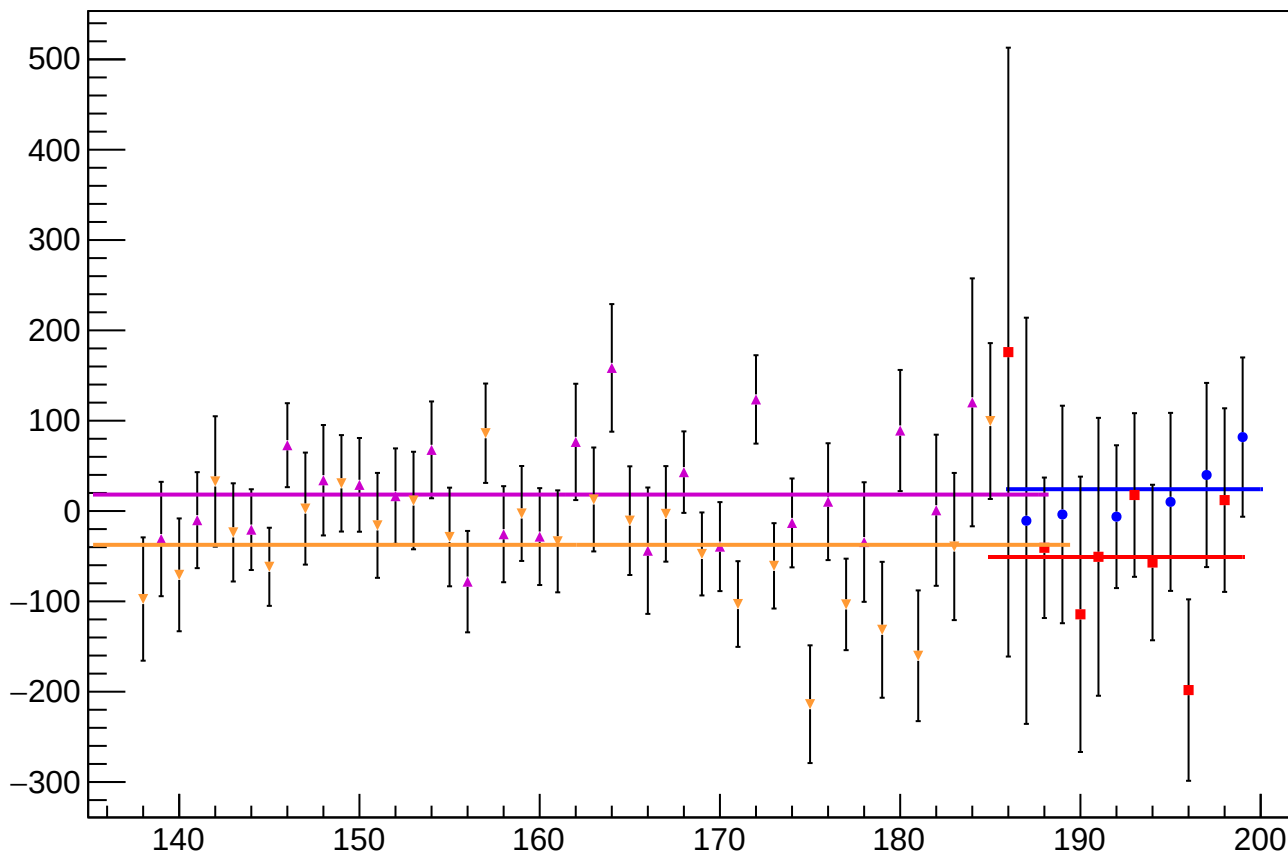
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF:2087113.7/22

+ sign 495.551 $\pm$ 0.081 χ^2 /NDF: 7118950.7/30

All: 497.098 $\pm$ 0.058 χ^2 /NDF: 15160213.4/63

- sign 498.696 $\pm$ 0.082 χ^2 /NDF: 8040522.6/30

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 24.164 ± 41.645 χ^2/NDF : 0.7/5

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -50.896 ± 37.470 χ^2/NDF : 3.8/7

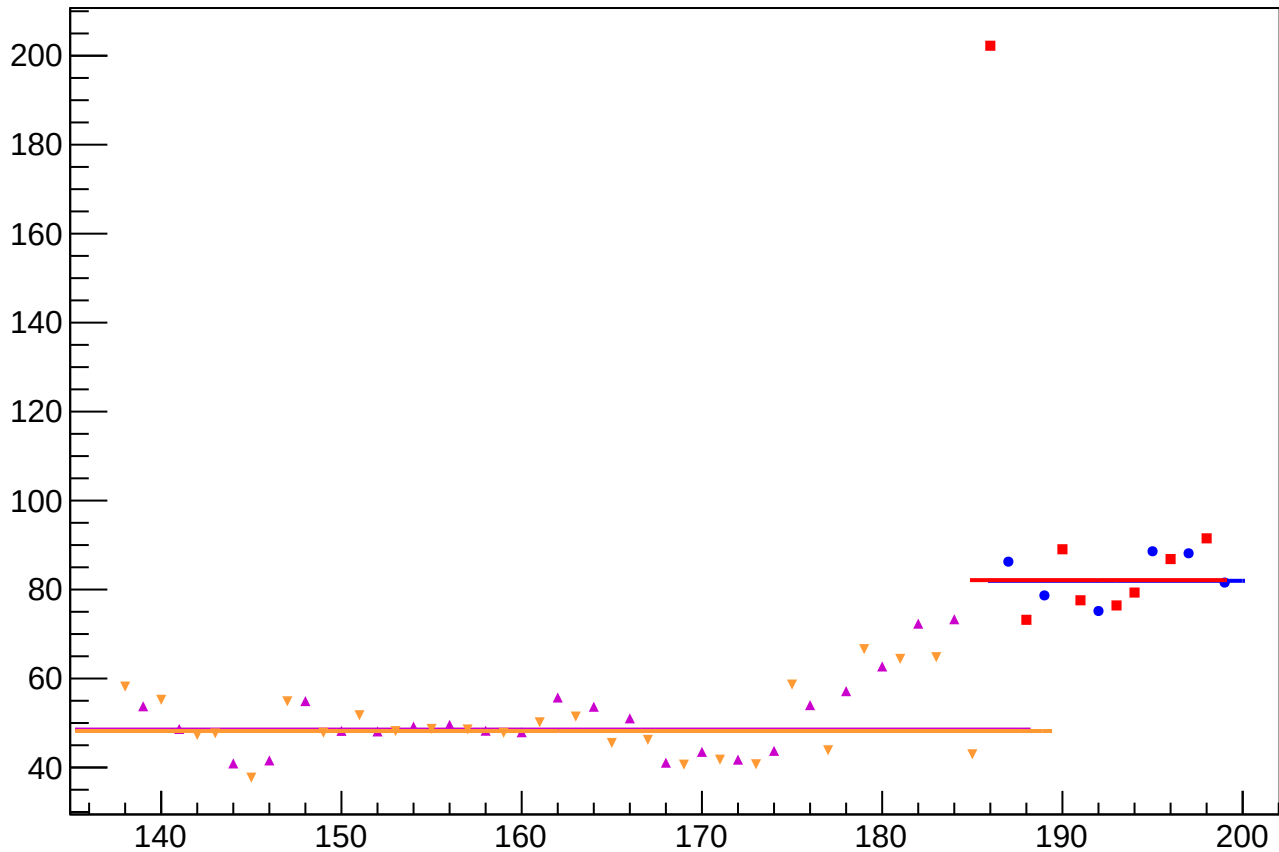
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -33.127 ± 10.986 χ^2/NDF : 33.2/30

All: -11.094 ± 7.858 χ^2/NDF : 71.3/61

- sign 11.987 ± 11.244 χ^2/NDF : 29.8/30

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 81.965 $\pm$ 0.029 χ^2 /NDF: 33439.4/5

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 82.115 $\pm$ 0.026 χ^2 /NDF: 317804.6/7

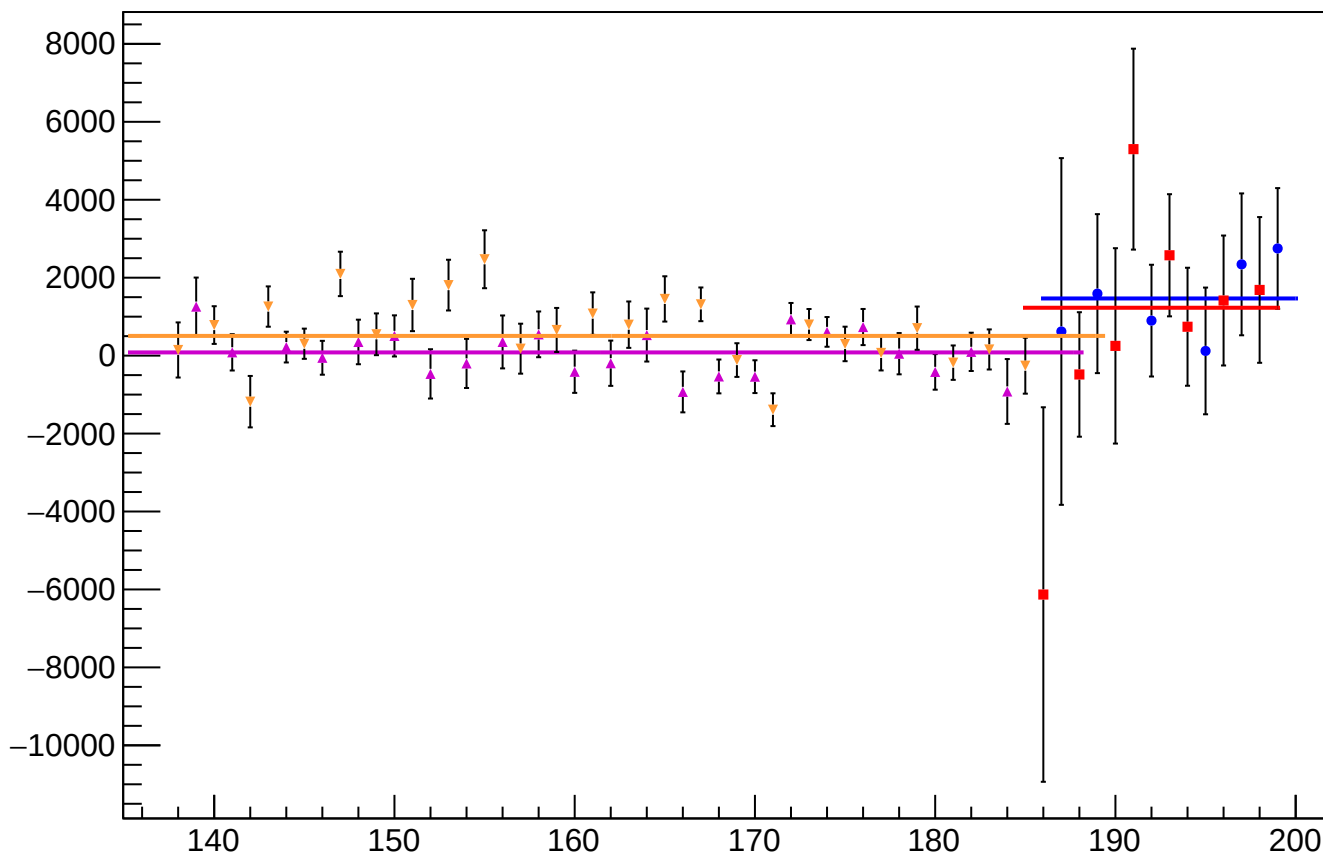
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 50.549 $\pm$ 0.008 χ^2 /NDF: 2006866.6/30

All: 51.039 $\pm$ 0.006 χ^2 /NDF: 4470529.8/61

- sign 51.552 $\pm$ 0.008 χ^2 /NDF: 2455535.7/30

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1467.144+/-730.417 χ^2/NDF : 1.8/5

Left Out: 506.205+/-103.468 χ^2/NDF : 65.7/24

Right Out: 1228.725+/-669.073 χ^2/NDF : 7.1/7

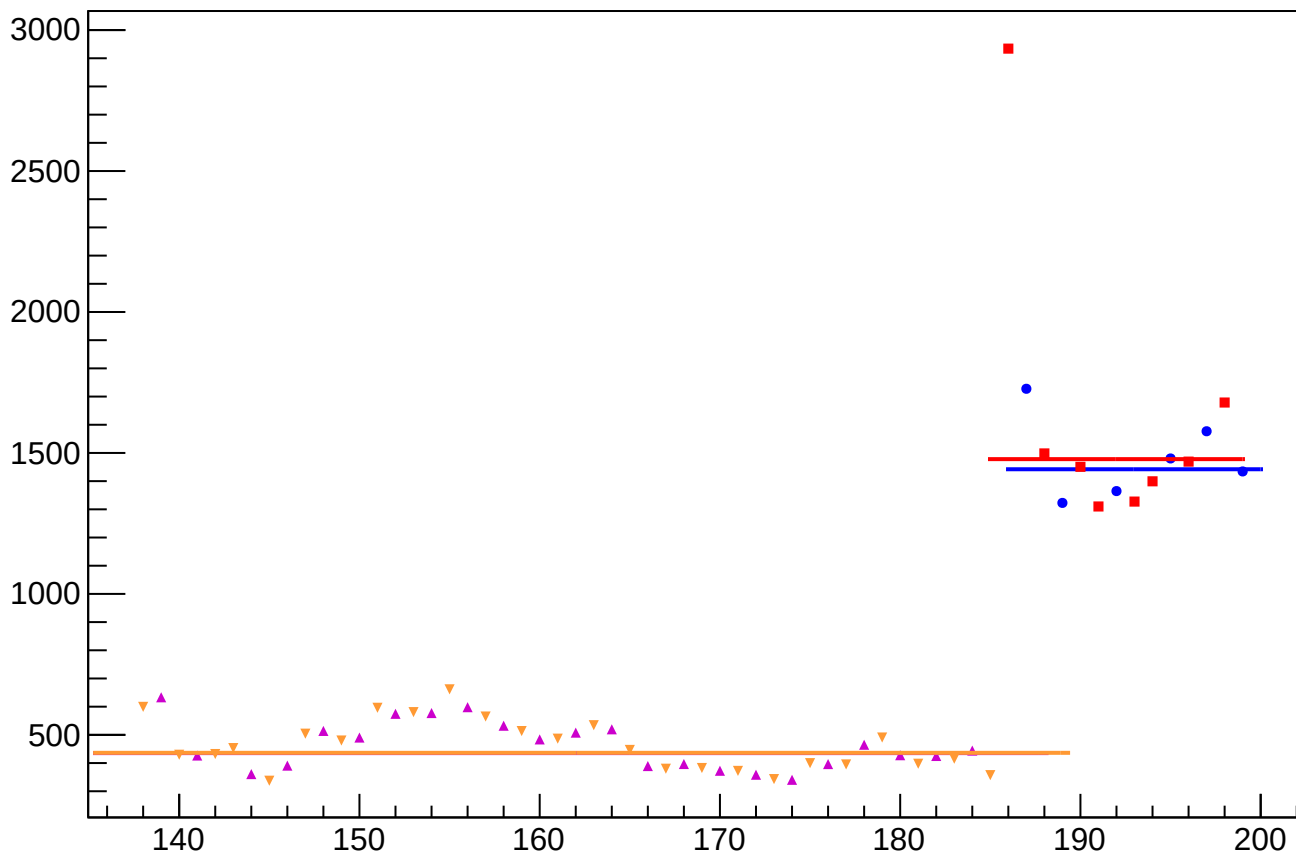
Left In: 82.421+/-105.935 χ^2/NDF : 25.3/22

+ sign 525.108+/-102.445 χ^2/NDF : 69.2/30

All: 322.160+/-73.200 χ^2/NDF : 112.5/61

- sign 110.455+/-104.632 χ^2/NDF : 35.3/30

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1442.160+/-0.516 χ^2/NDF : 33048.3/5

Left Out: 436.301+/-0.073 χ^2/NDF : 1179348.4/24

Right Out: 1478.079+/-0.473 χ^2/NDF : 239663.1/7

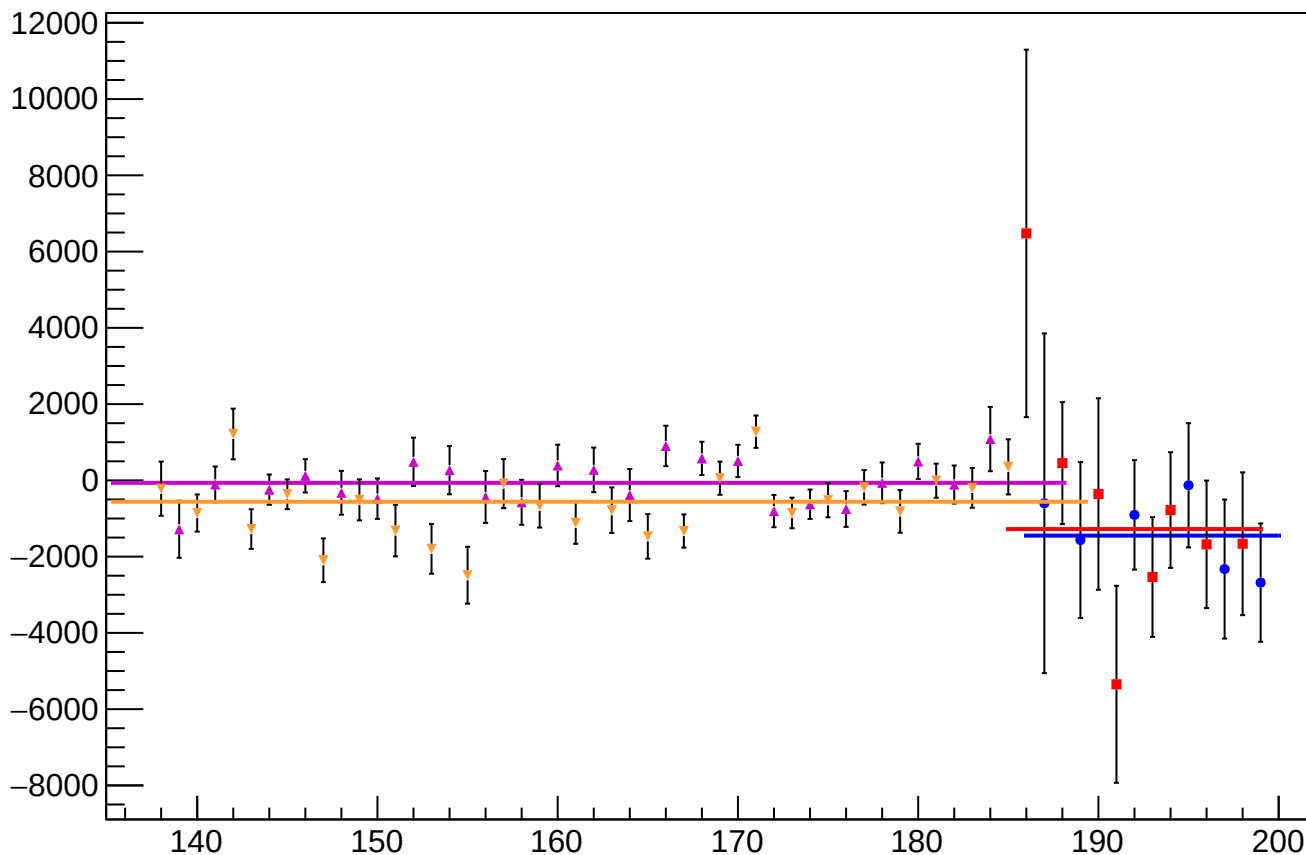
Left In: 435.275+/-0.075 χ^2/NDF : 1027713.1/22

+ sign 456.088+/-0.072 χ^2/NDF : 4930605.2/30

All: 458.383+/-0.052 χ^2/NDF : 10939556.9/63

- sign 460.778+/-0.074 χ^2/NDF : 6006900.8/30

asym_sam_15_48_dd_mean vs Slug



Right In: -1448.821 ± 731.679 χ^2/NDF : 1.7/5

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -1277.433 ± 670.258 χ^2/NDF : 7.2/7

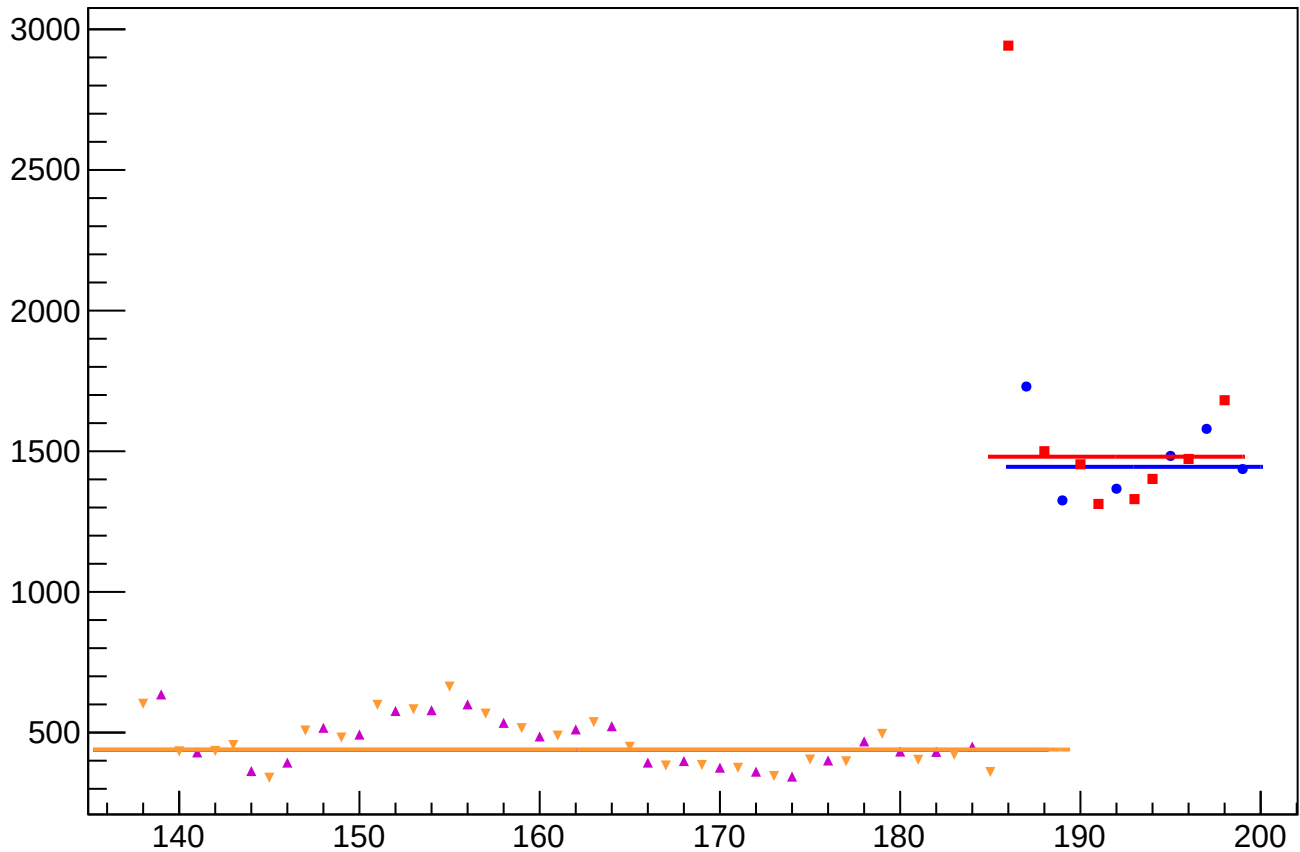
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -578.341 ± 103.166 χ^2/NDF : 64.9/30

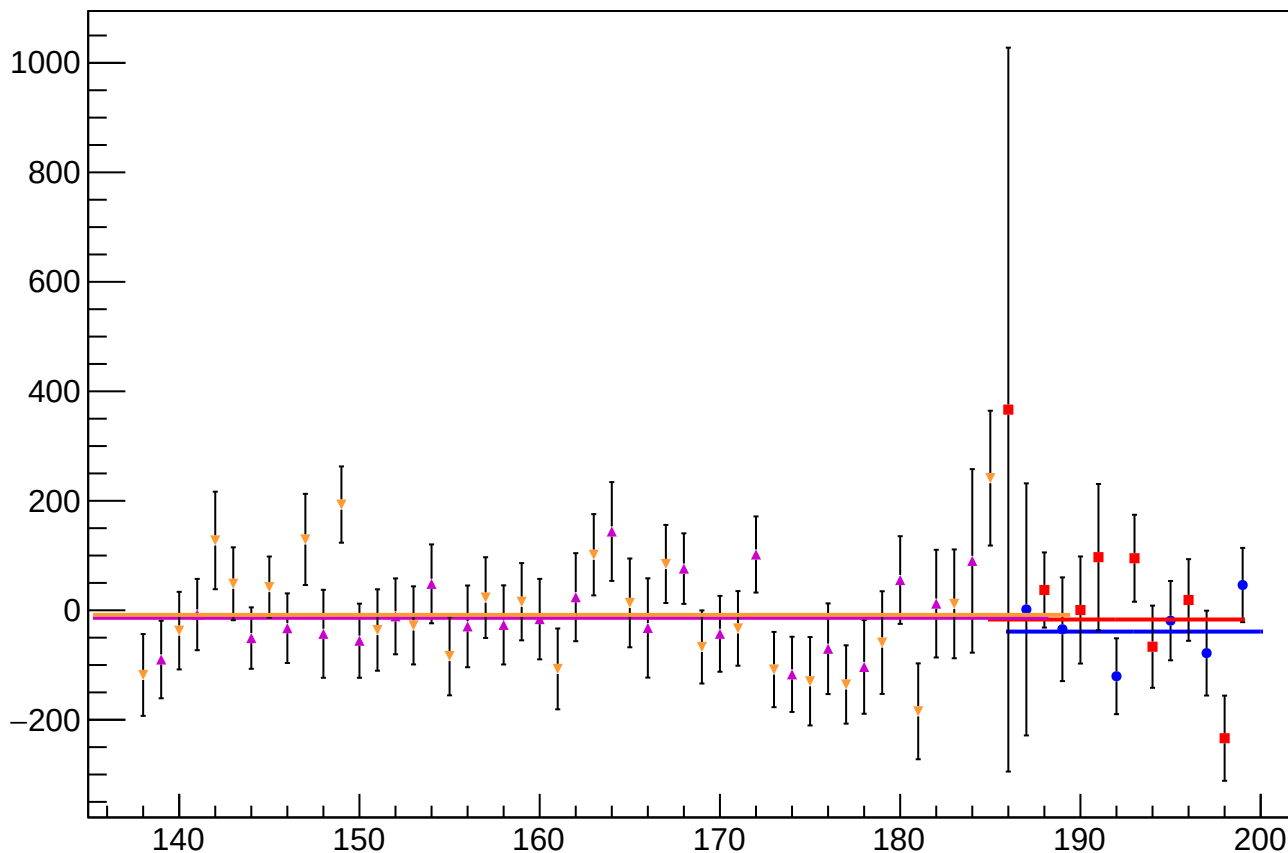
All: -341.594 ± 73.720 χ^2/NDF : 111.3/61

- sign -94.575 ± 105.380 χ^2/NDF : 35.6/30

asym_sam_15_48_dd_rms vs Slug



reg_asym_sam_37_48_dd_mean vs Slug



Right In: -38.918 ± 33.093 χ^2/NDF : 3.3/5

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: -16.840 ± 30.773 χ^2/NDF : 12.1/7

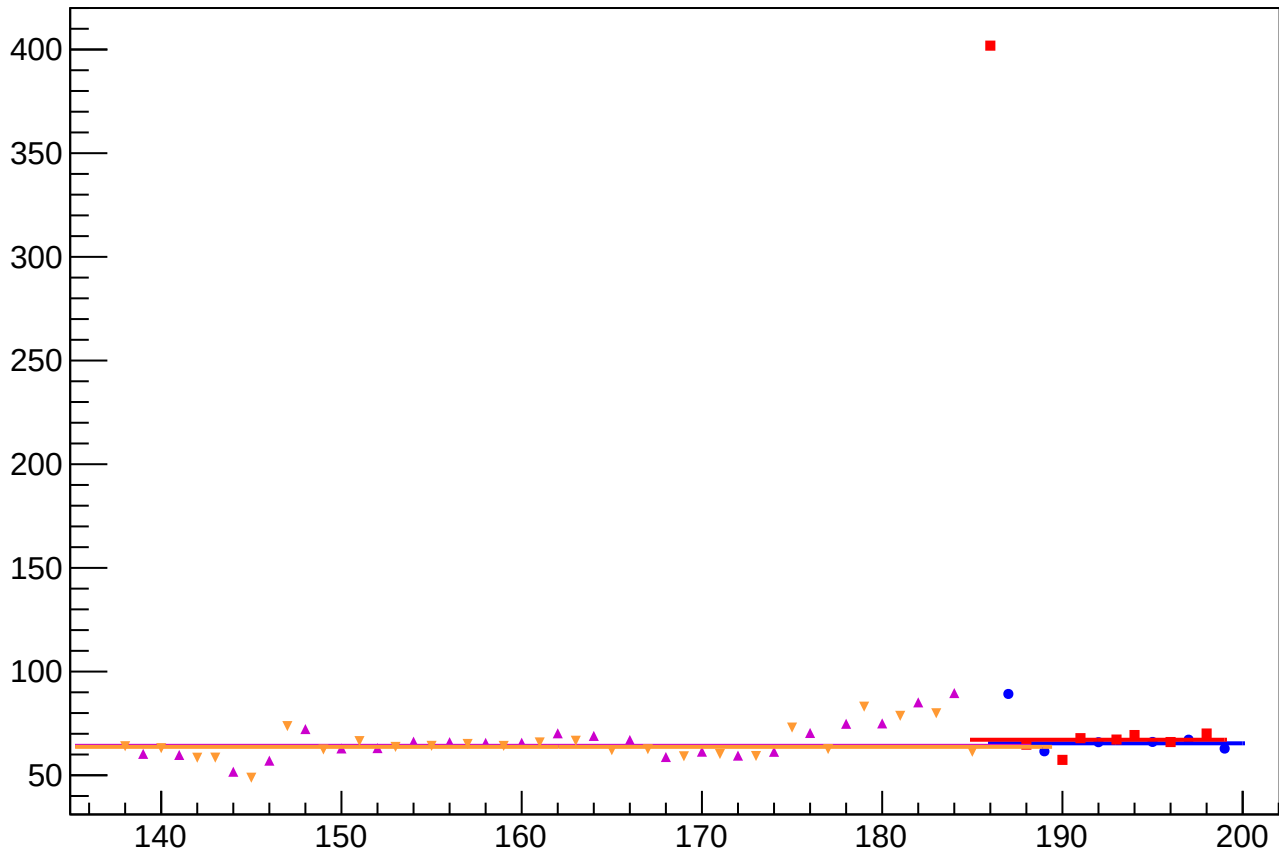
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -13.577 ± 13.613 χ^2/NDF : 45.6/30

All: -13.959 ± 9.701 χ^2/NDF : 74.0/61

- sign -14.353 ± 13.827 χ^2/NDF : 28.4/30

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 65.401 $\pm$ 0.023 χ^2 /NDF: 28836.0/5

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 67.126 $\pm$ 0.022 χ^2 /NDF: 540020.5/7

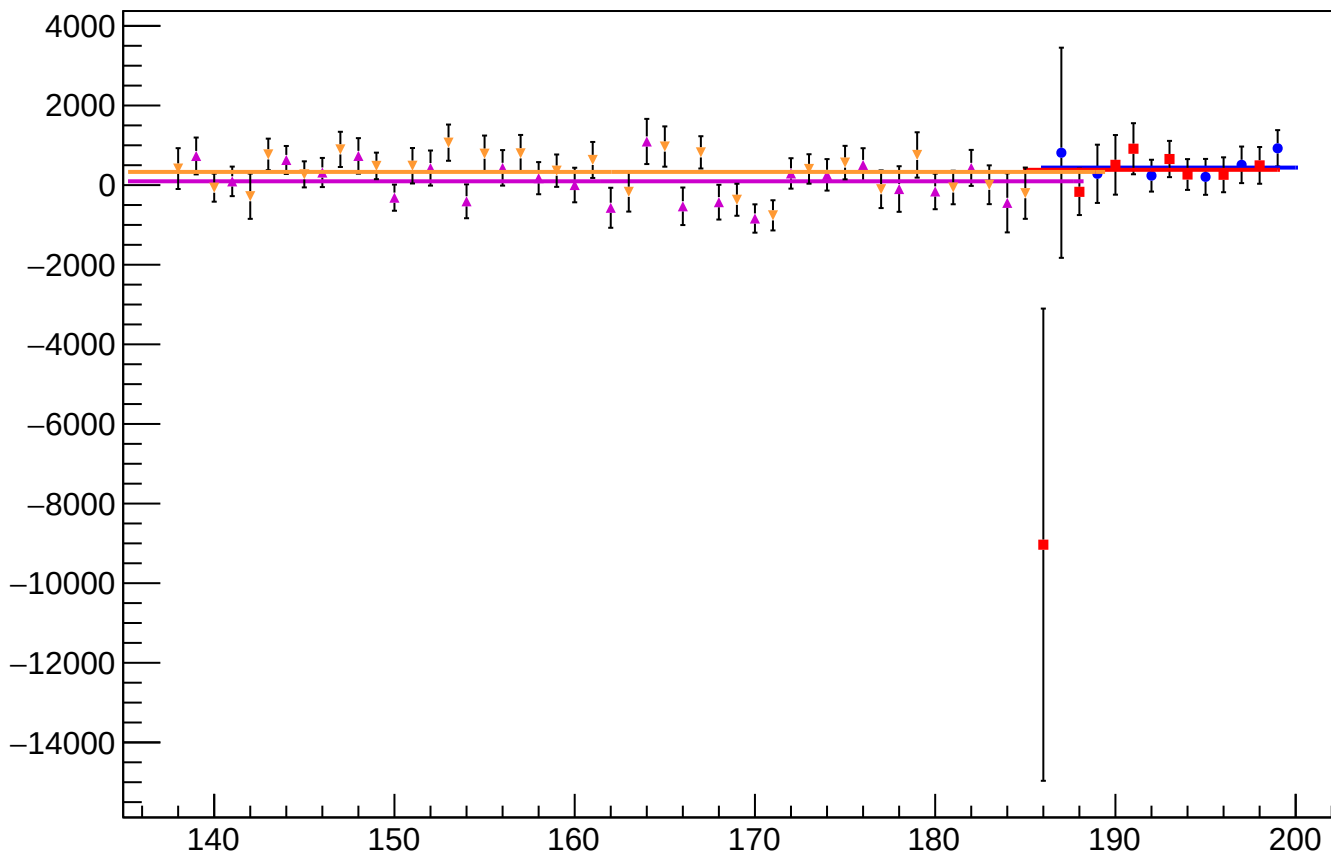
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.985 $\pm$ 0.010 χ^2 /NDF: 481687.1/30

All: 64.377 $\pm$ 0.007 χ^2 /NDF: 1469298.1/61

- sign 64.782 $\pm$ 0.010 χ^2 /NDF: 984231.4/30

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 440.105 $\pm$ 209.800 χ^2 /NDF: 1.7/5

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF: 29.9/24

Right Out: 384.543 $\pm$ 187.038 χ^2 /NDF: 4.7/7

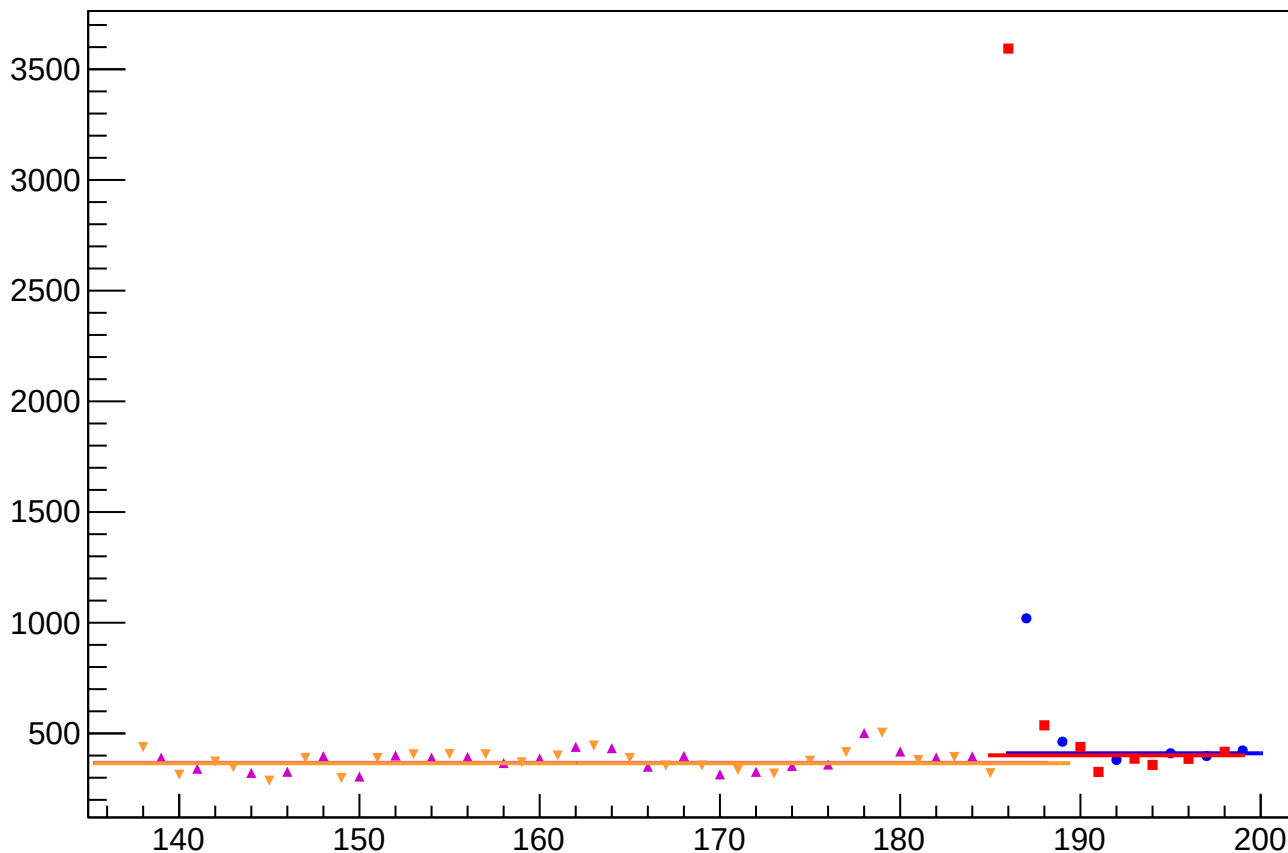
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF: 28.7/22

+ sign 347.350 $\pm$ 79.630 χ^2 /NDF: 31.9/30

All: 248.704 $\pm$ 56.477 χ^2 /NDF: 70.3/61

- sign 148.862 $\pm$ 80.112 χ^2 /NDF: 35.3/30

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 410.277 $\pm$ 0.148 χ^2 /NDF: 131203.1/5

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 401.228 $\pm$ 0.132 χ^2 /NDF: 752236.6/7

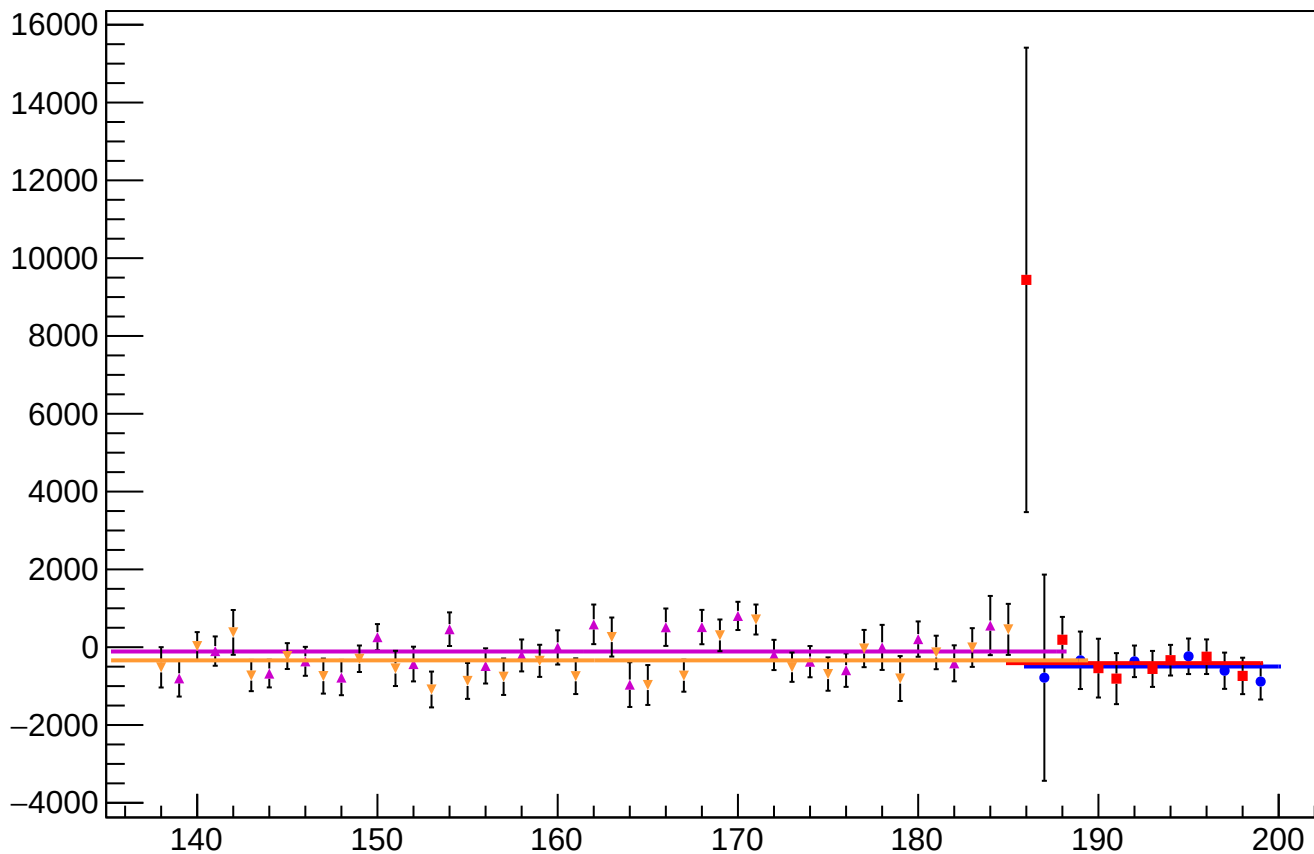
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 371.827 $\pm$ 0.056 χ^2 /NDF: 828138.0/30

All: 372.518 $\pm$ 0.040 χ^2 /NDF: 2113690.2/61

- sign 373.218 $\pm$ 0.057 χ^2 /NDF: 1285248.8/30

asym_sam_37_48_dd_mean vs Slug



Right In: -496.194 ± 212.565 χ^2/NDF : 1.3/5

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -409.954 ± 189.900 χ^2/NDF : 4.9/7

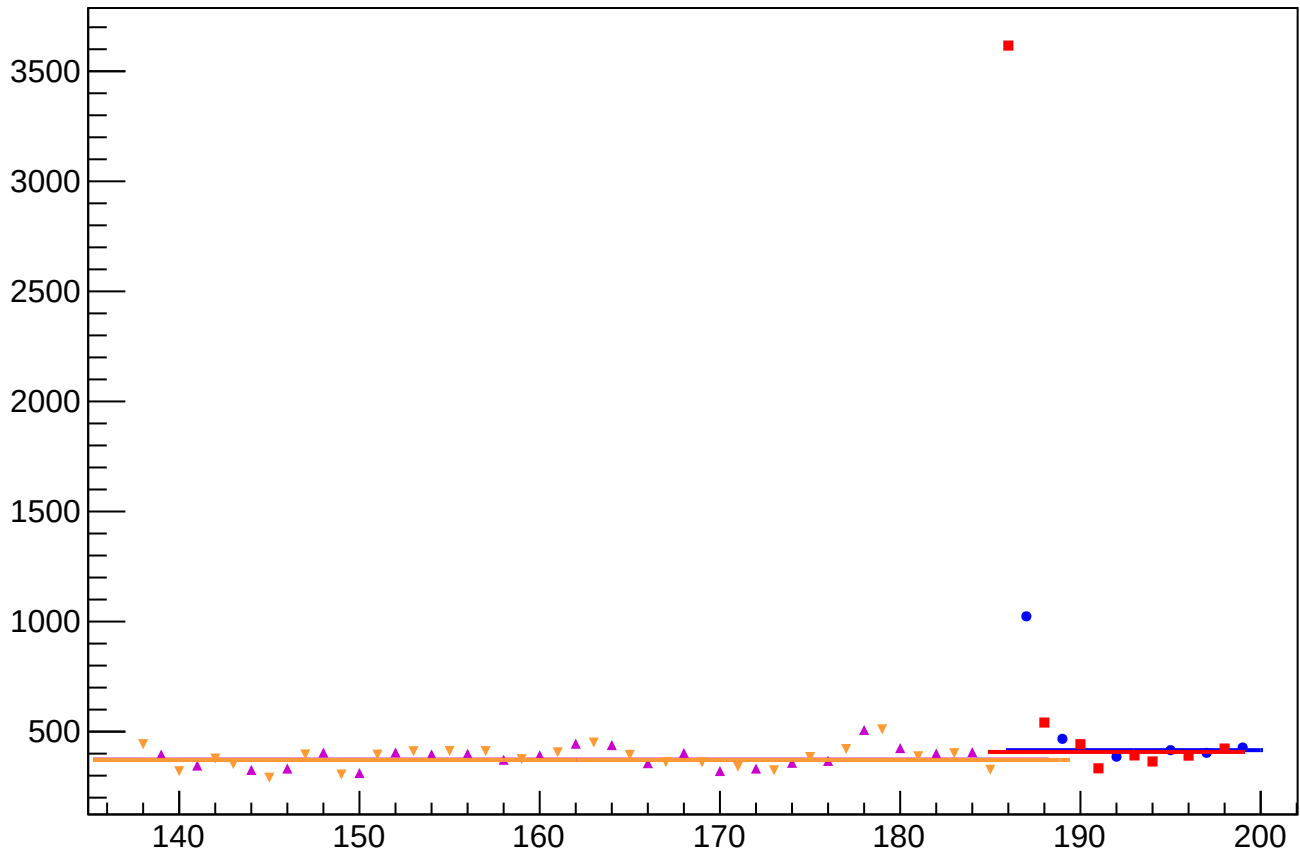
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -361.351 ± 80.874 χ^2/NDF : 29.9/30

All: -263.988 ± 57.368 χ^2/NDF : 69.0/61

- sign -165.378 ± 81.390 χ^2/NDF : 36.2/30

asym_sam_37_48_dd_rms vs Slug



Right In: 415.808 $\pm$ 0.150 χ^2 /NDF: 128408.1/5

Left Out: 371.356 $\pm$ 0.062 χ^2 /NDF: 604070.6/24

Right Out: 407.649 $\pm$ 0.134 χ^2 /NDF: 742675.0/7

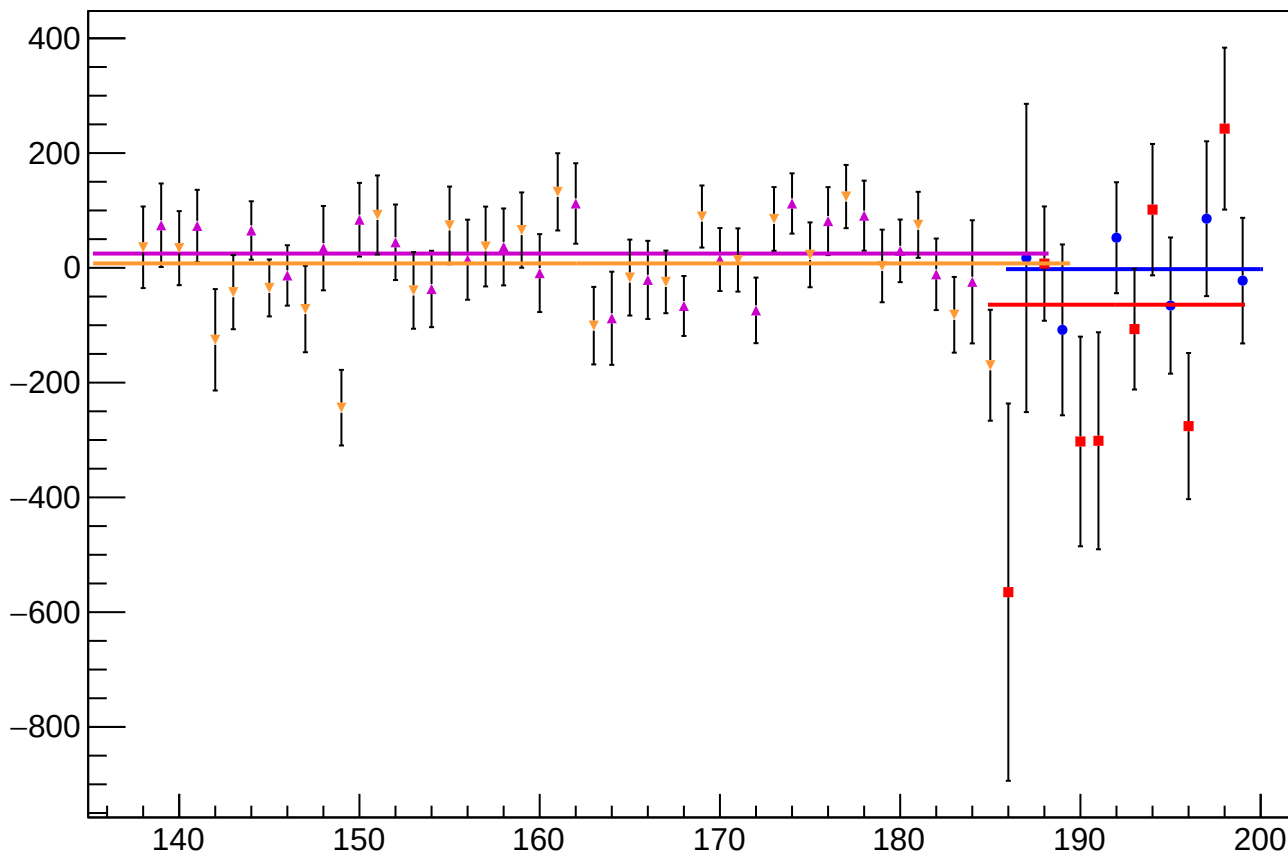
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

+ sign 377.791 $\pm$ 0.057 χ^2 /NDF: 807283.4/30

All: 378.547 $\pm$ 0.041 χ^2 /NDF: 2072200.4/61

- sign 379.314 $\pm$ 0.058 χ^2 /NDF: 1264564.3/30

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -2.256 ± 51.607 $\chi^2/\text{NDF}: 1.6/5$

Left Out: 7.723 ± 12.656 $\chi^2/\text{NDF}: 45.4/24$

Right Out: -64.242 ± 47.327 $\chi^2/\text{NDF}: 15.9/7$

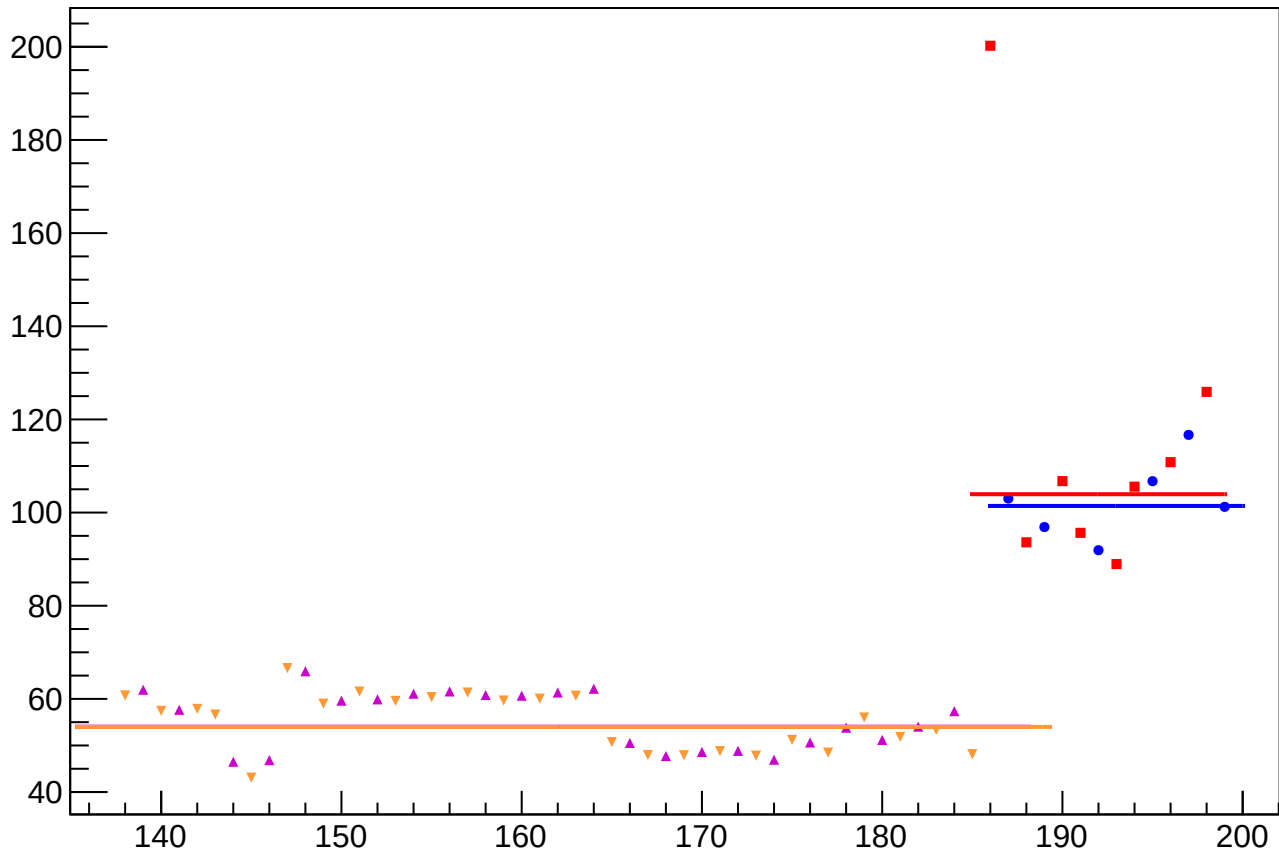
Left In: 24.887 ± 13.029 $\chi^2/\text{NDF}: 19.7/22$

+ sign 7.157 ± 12.291 $\chi^2/\text{NDF}: 47.0/30$

All: 12.759 ± 8.785 $\chi^2/\text{NDF}: 86.3/61$

- sign 18.609 ± 12.561 $\chi^2/\text{NDF}: 38.9/30$

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 101.425+/-0.036 χ^2/NDF : 50869.2/5

Left Out: 53.984+/-0.009 χ^2/NDF : 458972.1/24

Right Out: 103.944+/-0.033 χ^2/NDF : 292685.5/7

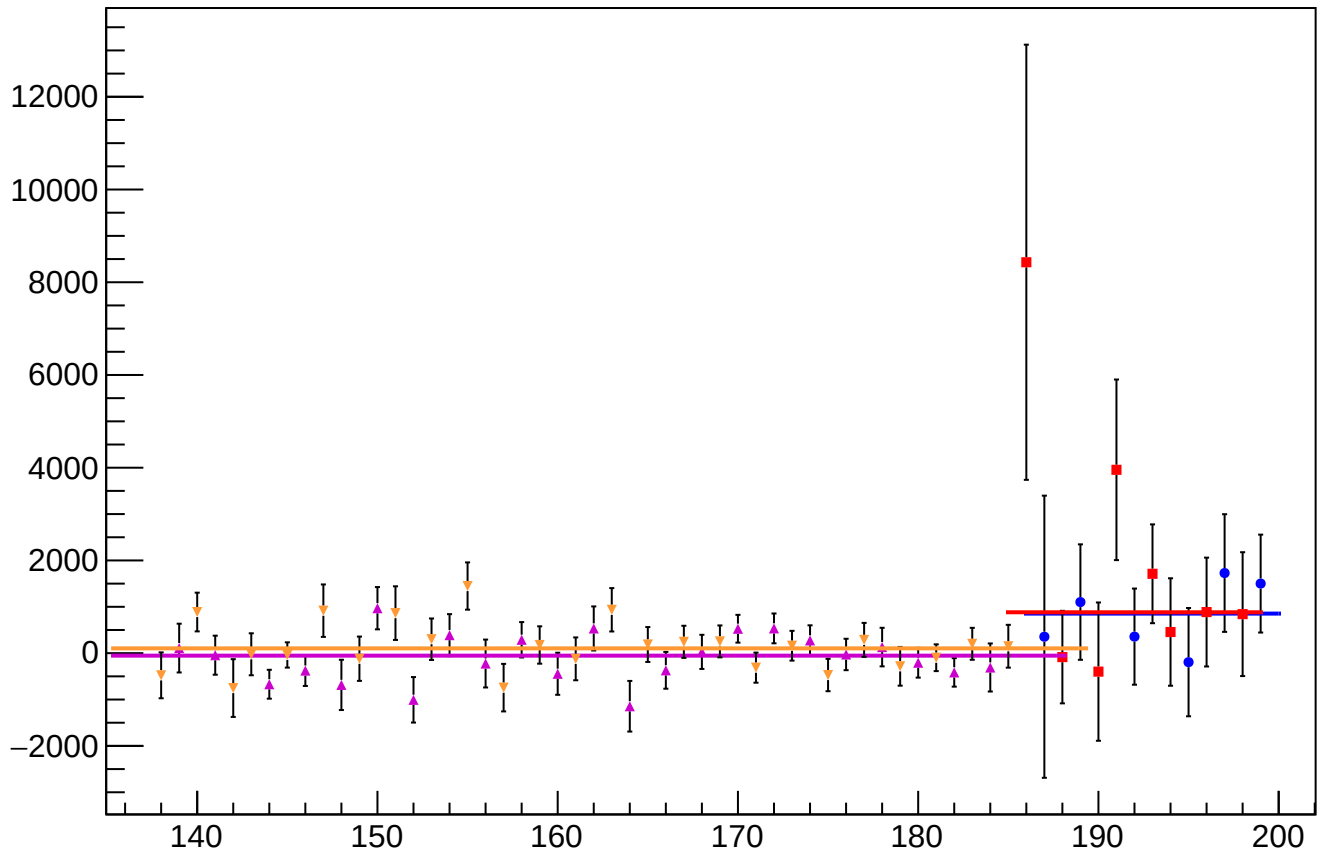
Left In: 54.028+/-0.009 χ^2/NDF : 443819.5/22

+ sign 56.675+/-0.009 χ^2/NDF : 2104142.1/30

All: 57.100+/-0.006 χ^2/NDF : 4913657.7/61

- sign 57.544+/-0.009 χ^2/NDF : 2804623.3/30

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 853.614 $\pm$ 504.123 χ^2 /NDF: 2.0/5

Left Out: 103.768 $\pm$ 79.344 χ^2 /NDF:31.0/24

Right Out: 882.144 $\pm$ 462.522 χ^2 /NDF: 7.5/7

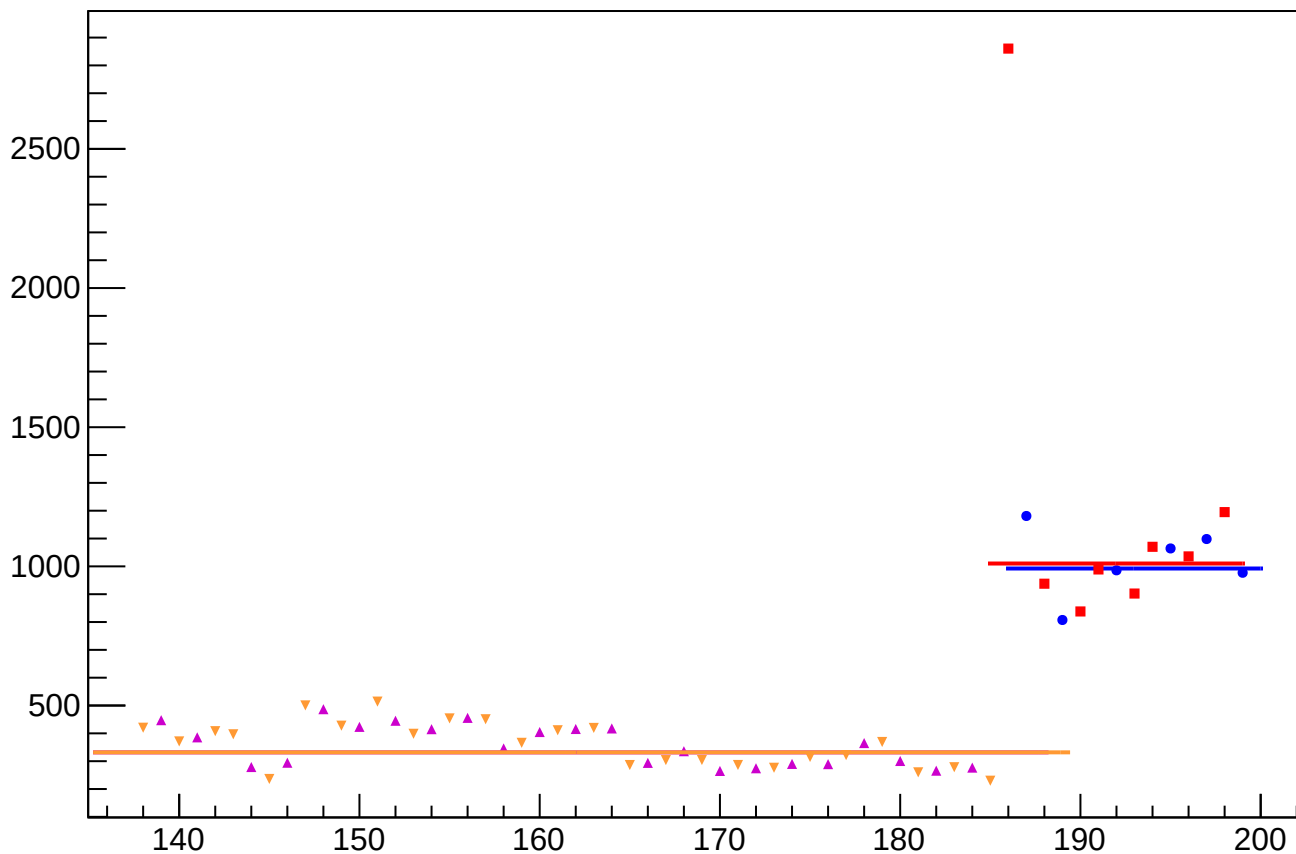
Left In: -53.493 $\pm$ 81.201 χ^2 /NDF:34.1/22

+ sign 121.894 $\pm$ 78.379 χ^2 /NDF: 35.1/30

All: 49.676 $\pm$ 55.979 χ^2 /NDF: 82.4/61

- sign -25.517 $\pm$ 79.978 χ^2 /NDF: 45.6/30

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 992.301 ± 0.356 χ^2/NDF : 73879.8/5

Left Out: 331.770 ± 0.056 χ^2/NDF : 1711721.9/24

Right Out: 1010.221 ± 0.327 χ^2/NDF : 413433.7/7

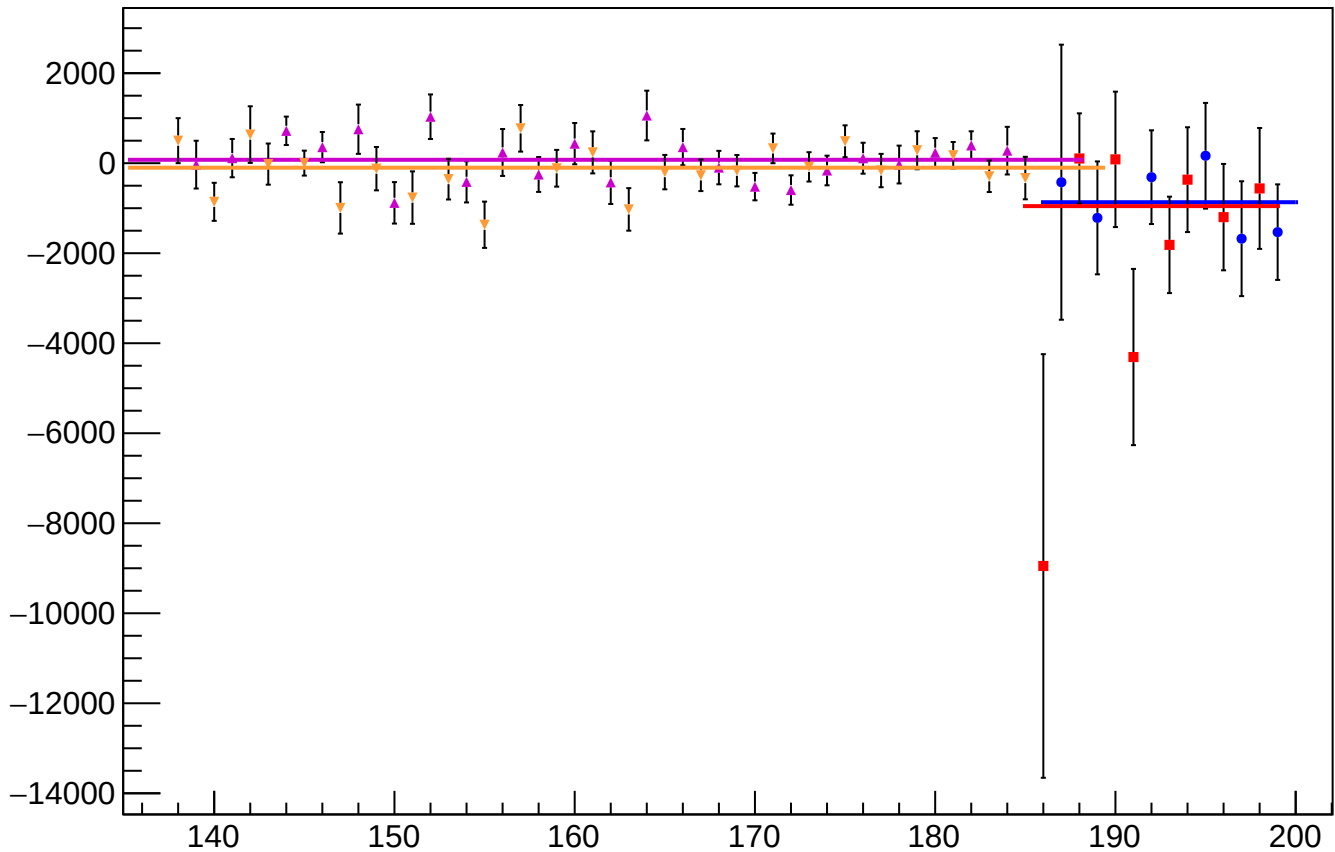
Left In: 331.666 ± 0.057 χ^2/NDF : 1303192.2/22

+ sign 347.737 ± 0.055 χ^2/NDF : 5136155.4/30

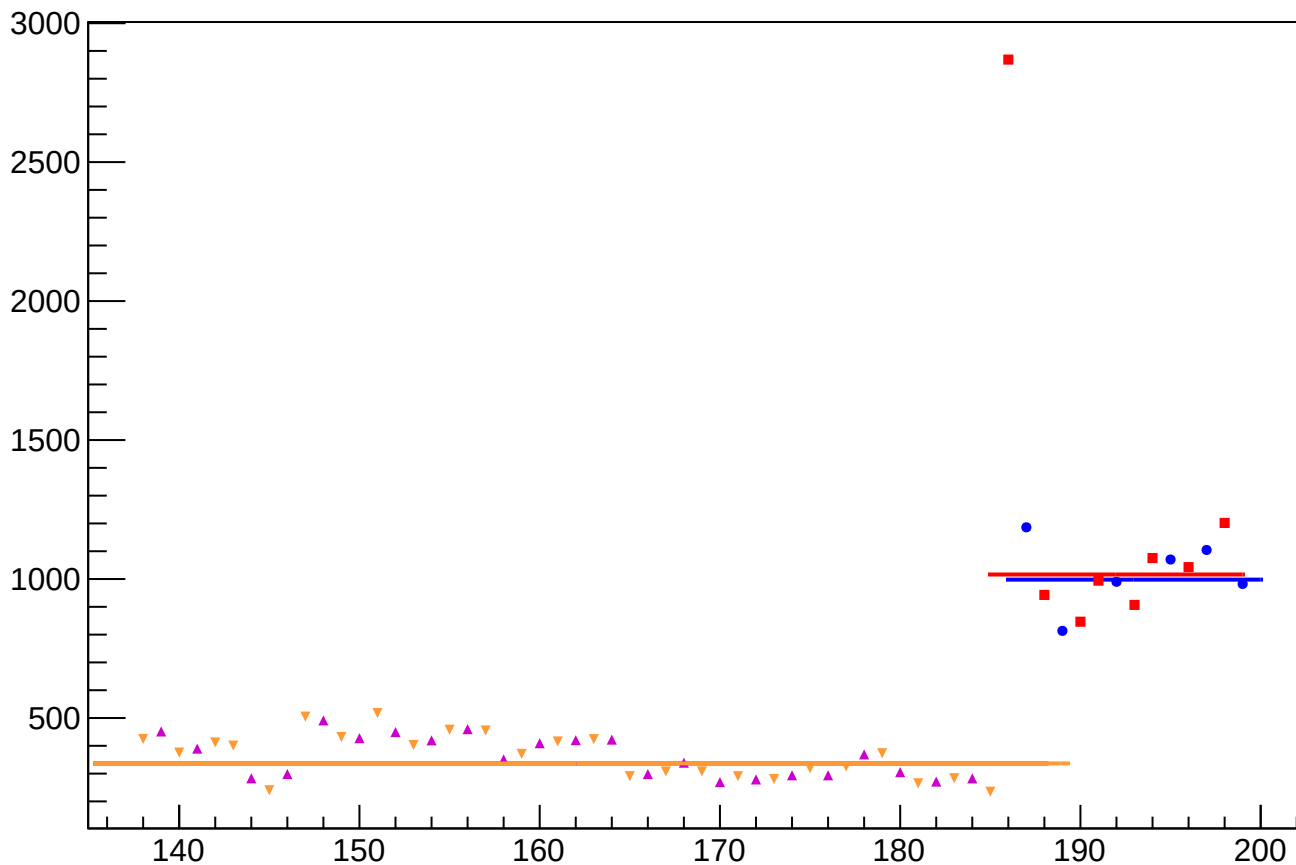
All: 349.803 ± 0.040 χ^2/NDF : 11031541.0/63

- sign 351.955 ± 0.057 χ^2/NDF : 5892548.7/30

asym_sam_15_26_dd_mean vs Slug



asym_sam_15_26_dd_rms vs Slug



Right In: 997.886+/-0.358 χ^2/NDF : 72882.3/5

Left Out: 336.557+/-0.057 χ^2/NDF :1665919.4/24

Right Out: 1016.308+/-0.329 χ^2/NDF : 411476.6/7

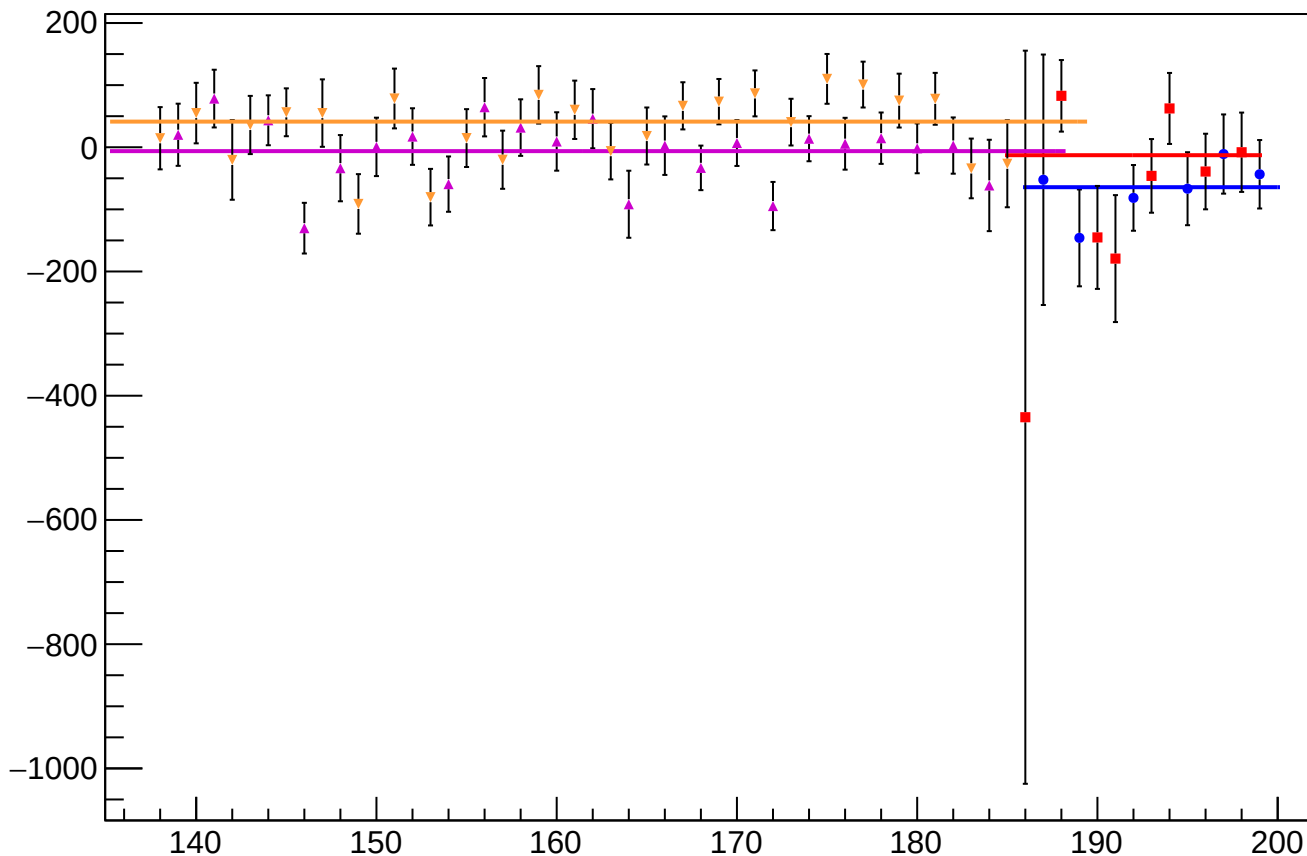
Left In: 336.439+/-0.058 χ^2/NDF :1269066.3/22

+ sign 352.796+/-0.056 χ^2/NDF : 5059085.0/30

All: 354.895+/-0.040 χ^2/NDF : 10884196.7/63

- sign 357.080+/-0.057 χ^2/NDF : 5822261.7/30

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -64.313 ± 26.619 $\chi^2/\text{NDF}: 2.0/5$

Left Out: 41.283 ± 8.889 $\chi^2/\text{NDF}: 34.4/24$

Right Out: -12.799 ± 24.610 $\chi^2/\text{NDF}: 10.7/7$

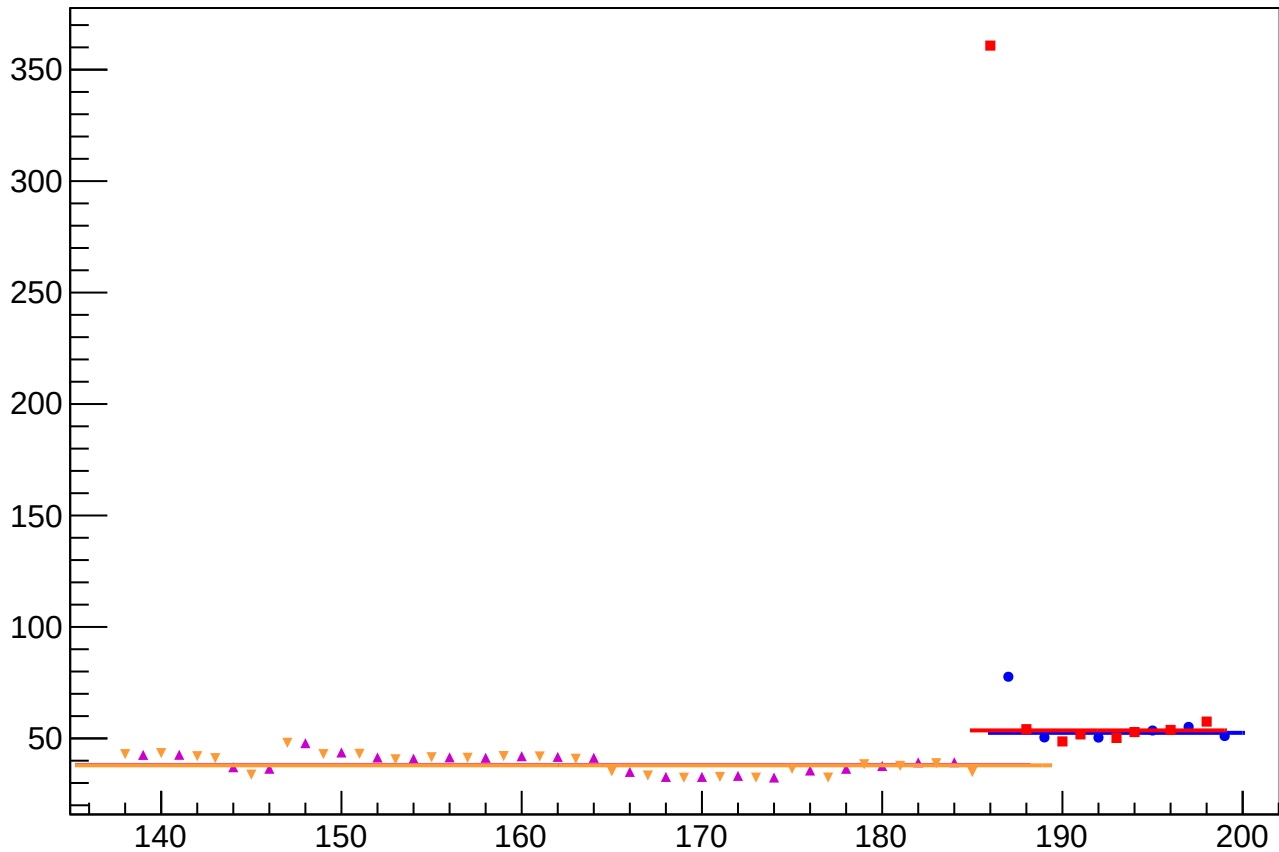
Left In: -6.254 ± 9.175 $\chi^2/\text{NDF}: 30.3/22$

+ sign 30.689 ± 8.432 $\chi^2/\text{NDF}: 50.6/30$

All: 12.184 ± 6.020 $\chi^2/\text{NDF}: 101.4/61$

- sign -7.052 ± 8.597 $\chi^2/\text{NDF}: 41.0/30$

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 52.499 $\pm$ 0.019 χ^2 /NDF: 41296.3/5

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 53.584 $\pm$ 0.017 χ^2 /NDF: 564420.3/7

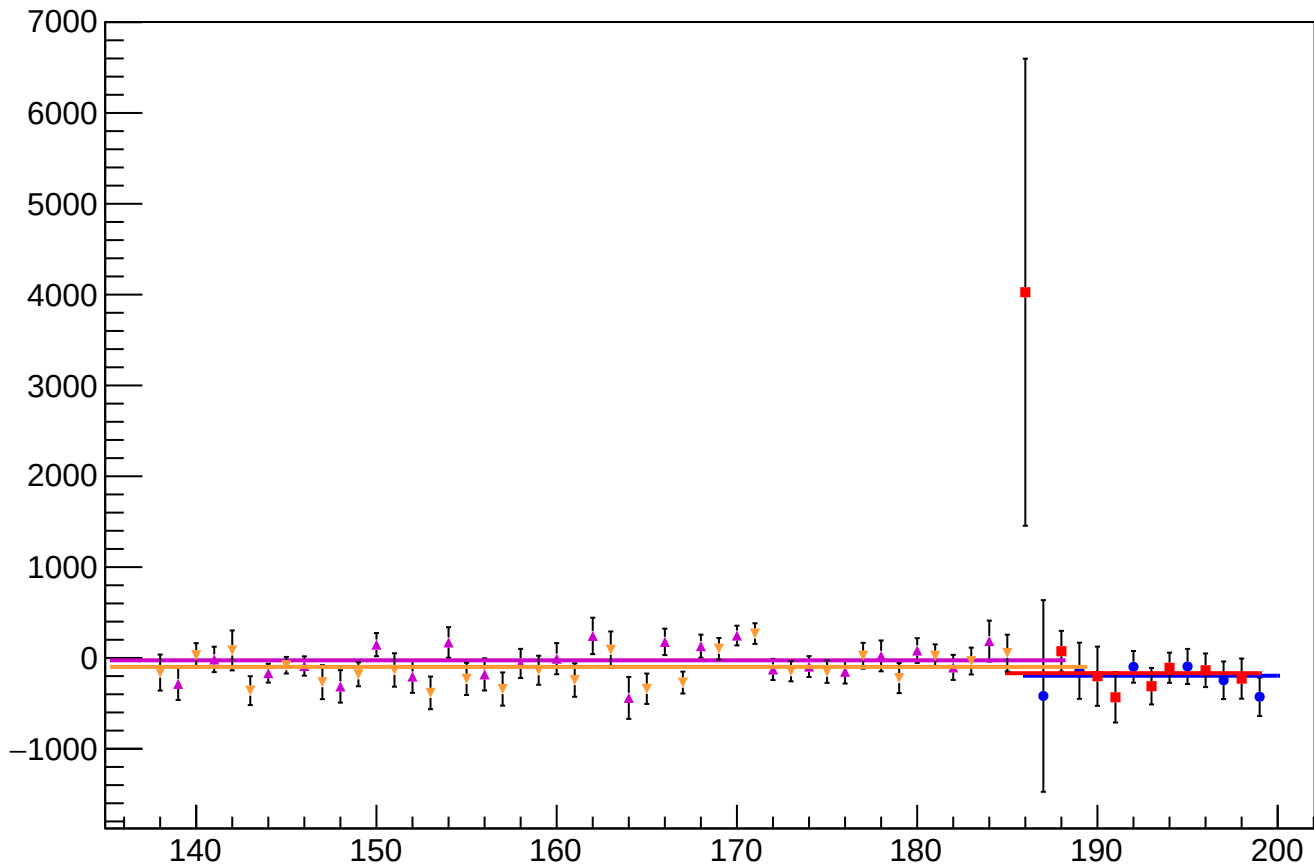
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 39.387 $\pm$ 0.006 χ^2 /NDF: 1067711.1/30

All: 39.677 $\pm$ 0.004 χ^2 /NDF: 2729483.0/61

- sign 39.978 $\pm$ 0.006 χ^2 /NDF: 1656955.3/30

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -195.886 ± 92.528 χ^2/NDF : 1.9/5

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -167.827 ± 80.856 χ^2/NDF : 5.5/7

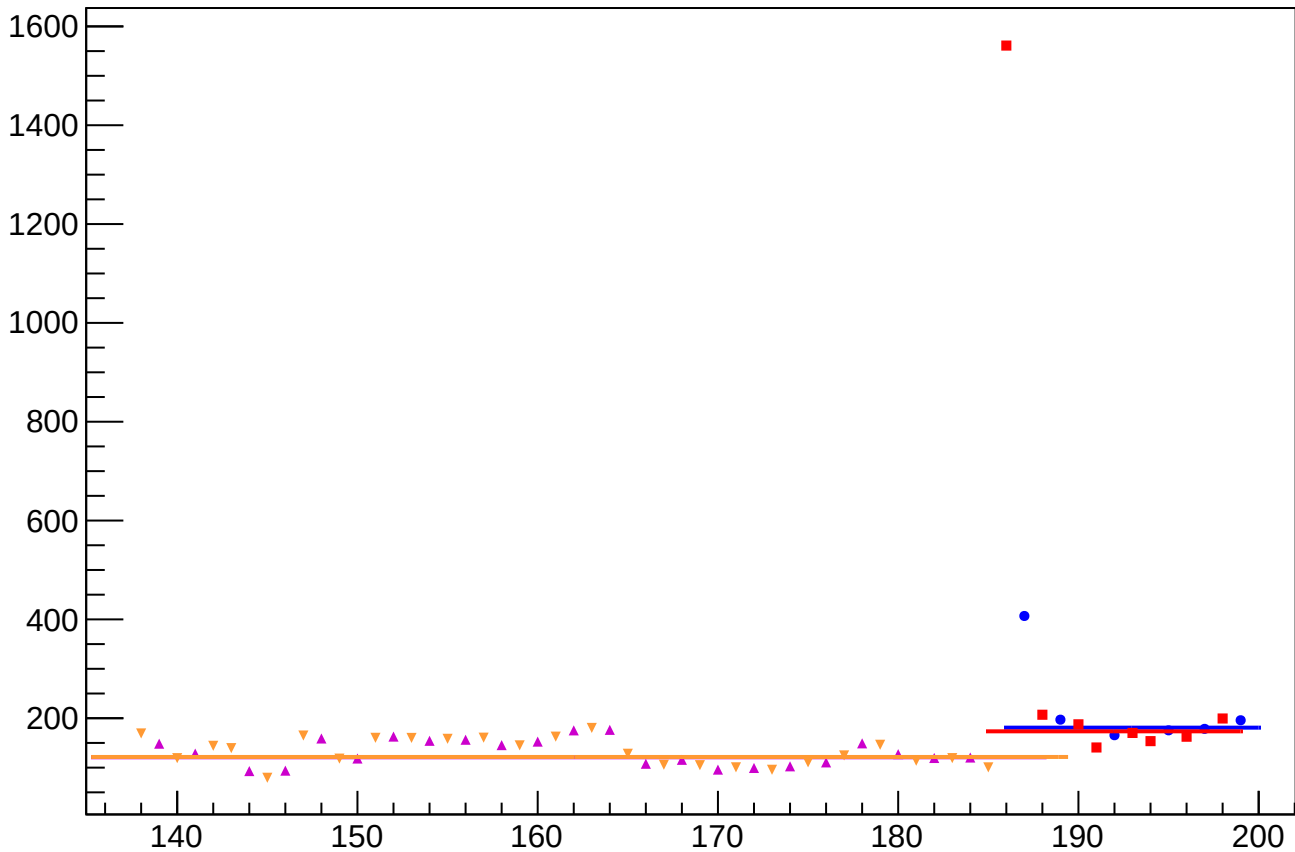
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -107.482 ± 27.755 χ^2/NDF : 35.7/30

All: -75.377 ± 19.662 χ^2/NDF : 77.2/61

- sign -43.033 ± 27.859 χ^2/NDF : 38.9/30

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 180.909 $\pm$ 0.065 χ^2/NDF : 124522.6/5

Left Out: 121.592 $\pm$ 0.021 χ^2/NDF : 1711423.9/24

Right Out: 173.468 $\pm$ 0.057 χ^2/NDF : 722356.8/7

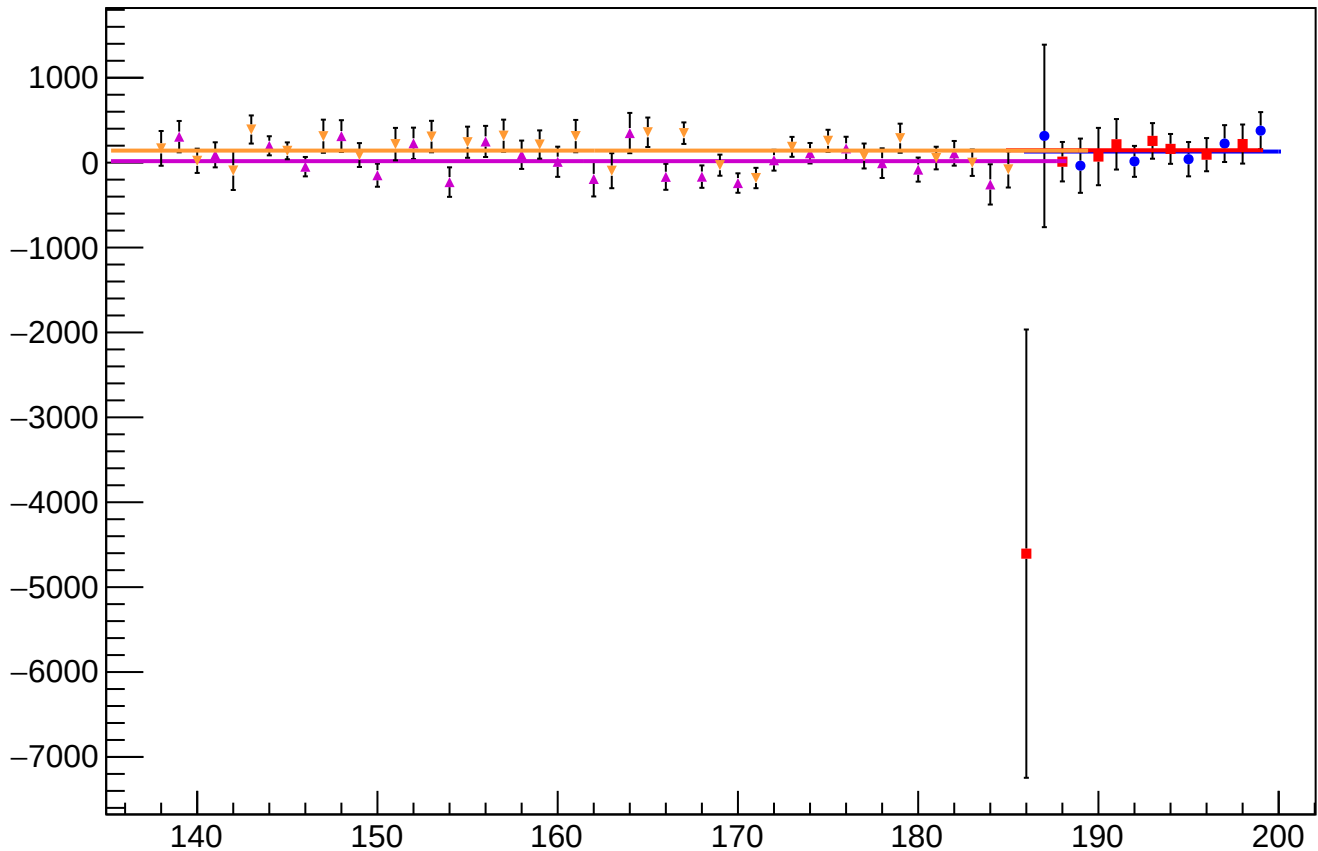
Left In: 120.927 $\pm$ 0.021 χ^2/NDF : 1382861.4/22

+ sign 126.929 $\pm$ 0.020 χ^2/NDF : 2583919.1/30

All: 127.046 $\pm$ 0.014 χ^2/NDF : 5433448.6/61

- sign 127.164 $\pm$ 0.020 χ^2/NDF : 2849458.2/30

asym_sam_37_26_dd_mean vs Slug



Right In: 130.643 $\pm$ 96.498 χ^2 /NDF: 2.4/5

Left Out: 142.014 $\pm$ 30.574 χ^2 /NDF: 26.9/24

Right Out: 146.049 $\pm$ 84.866 χ^2 /NDF: 4.1/7

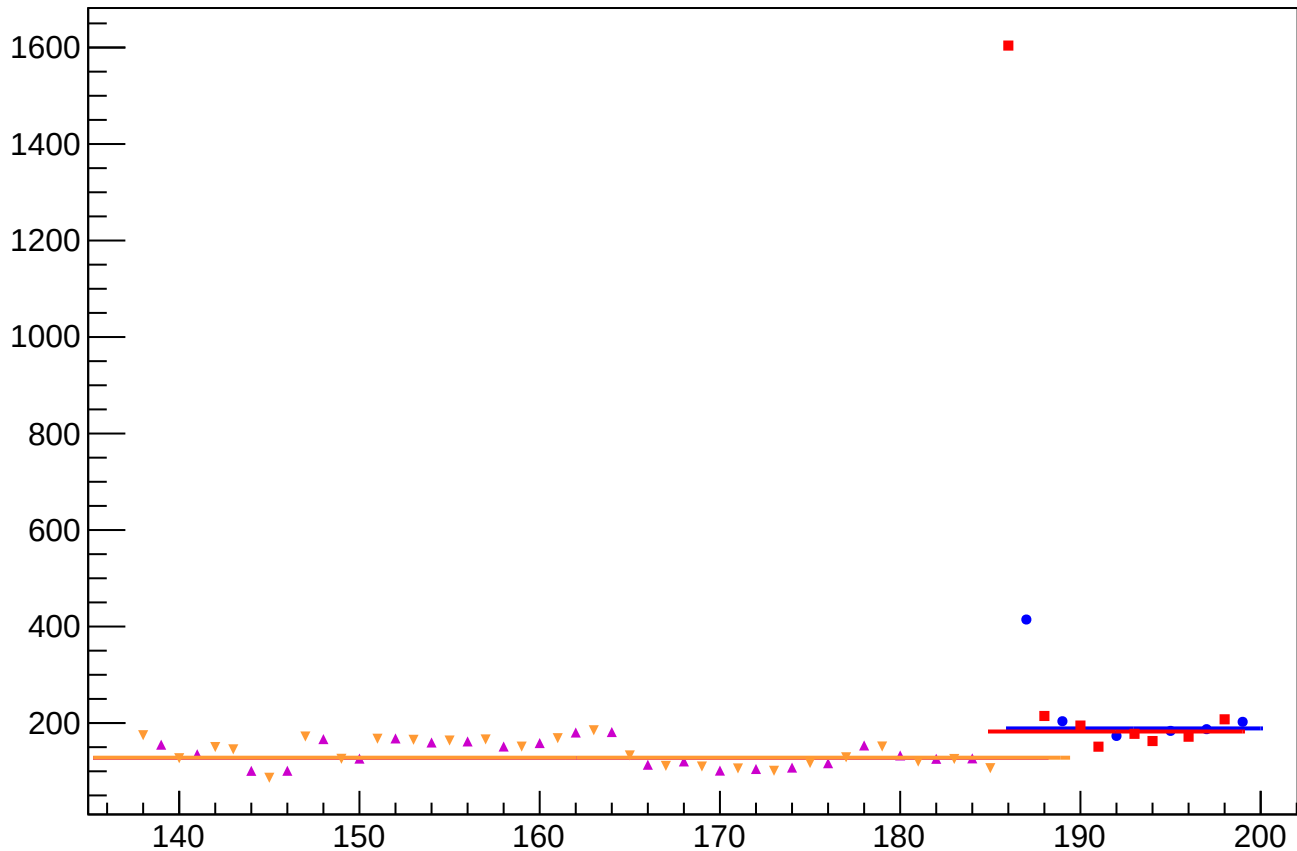
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 140.977 $\pm$ 29.146 χ^2 /NDF: 29.2/30

All: 87.241 $\pm$ 20.660 χ^2 /NDF: 72.4/61

- sign 32.971 $\pm$ 29.291 χ^2 /NDF: 36.3/30

asym_sam_37_26_dd_rms vs Slug



Right In: 188.857+/-0.068 χ^2/NDF : 116329.3/5

Left Out: 128.175+/-0.022 χ^2/NDF : 1532922.0/24

Right Out: 182.452+/-0.060 χ^2/NDF : 699668.2/7

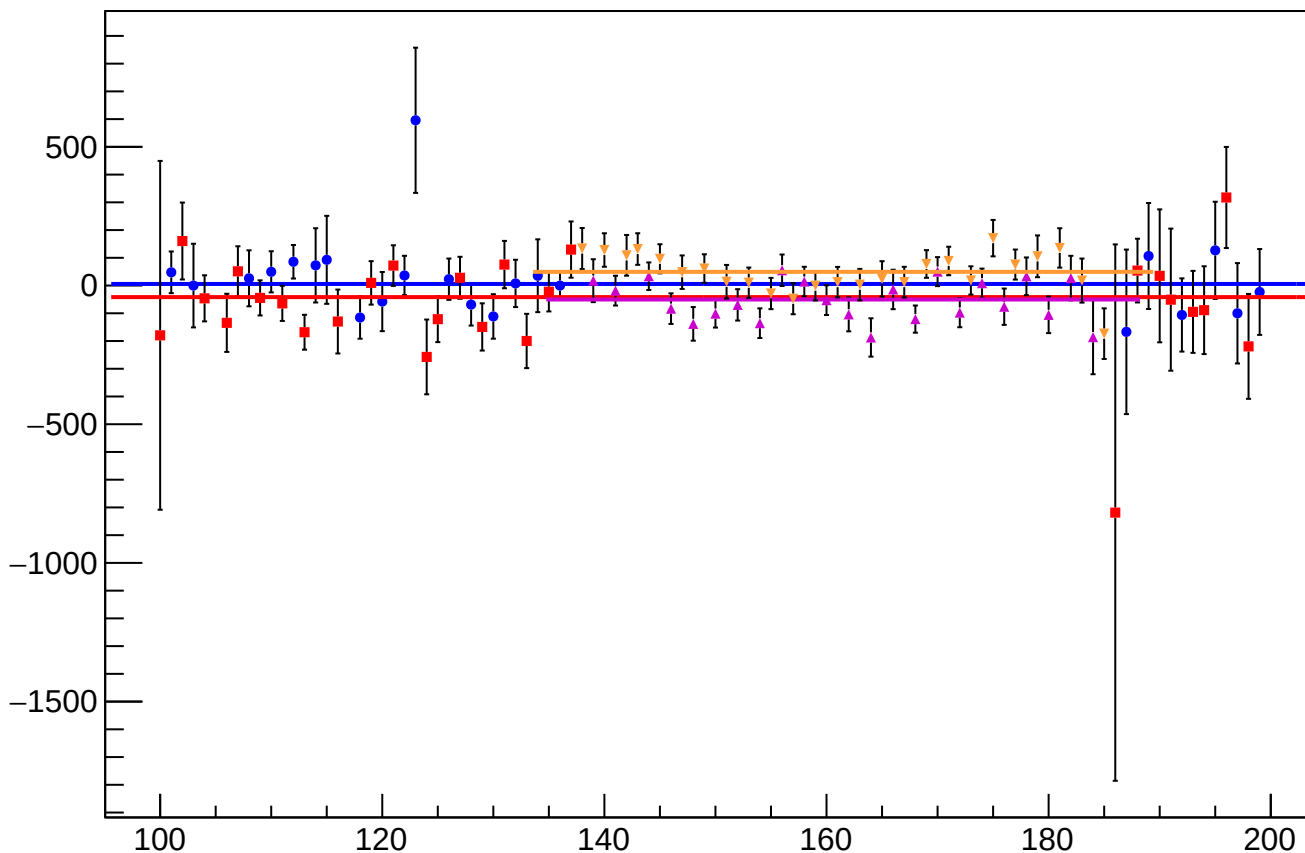
Left In: 127.544+/-0.022 χ^2/NDF : 1235705.3/22

+ sign 133.711+/-0.021 χ^2/NDF : 2367986.2/30

All: 133.897+/-0.015 χ^2/NDF : 5041014.3/61

- sign 134.085+/-0.021 χ^2/NDF : 2672864.7/30

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.695 ± 19.406 χ^2/NDF : 16.5/22

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -41.682 ± 18.588 χ^2/NDF : 31.4/26

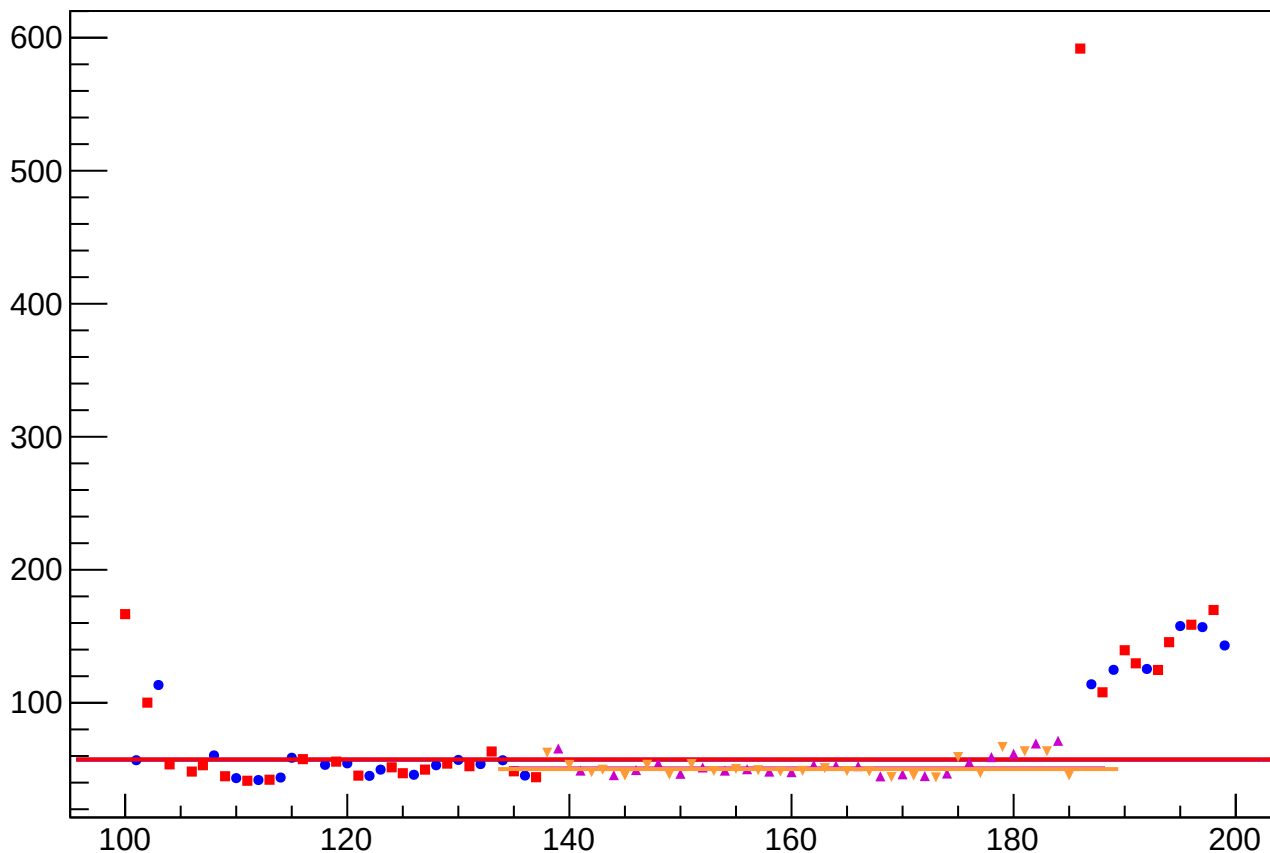
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 37.596 ± 10.086 χ^2/NDF : 48.3/47

All: -4.450 ± 7.182 χ^2/NDF : 147.3/97

- sign -47.711 ± 10.231 χ^2/NDF : 63.8/49

reg_asym_sam_1357_avg_rms vs Slug



Right In: 57.282+/-0.014 χ^2/NDF : 3472415.8/22

Left Out: 50.189+/-0.008 χ^2/NDF : 467679.2/24

Right Out: 57.442+/-0.013 χ^2/NDF : 4543309.6/26

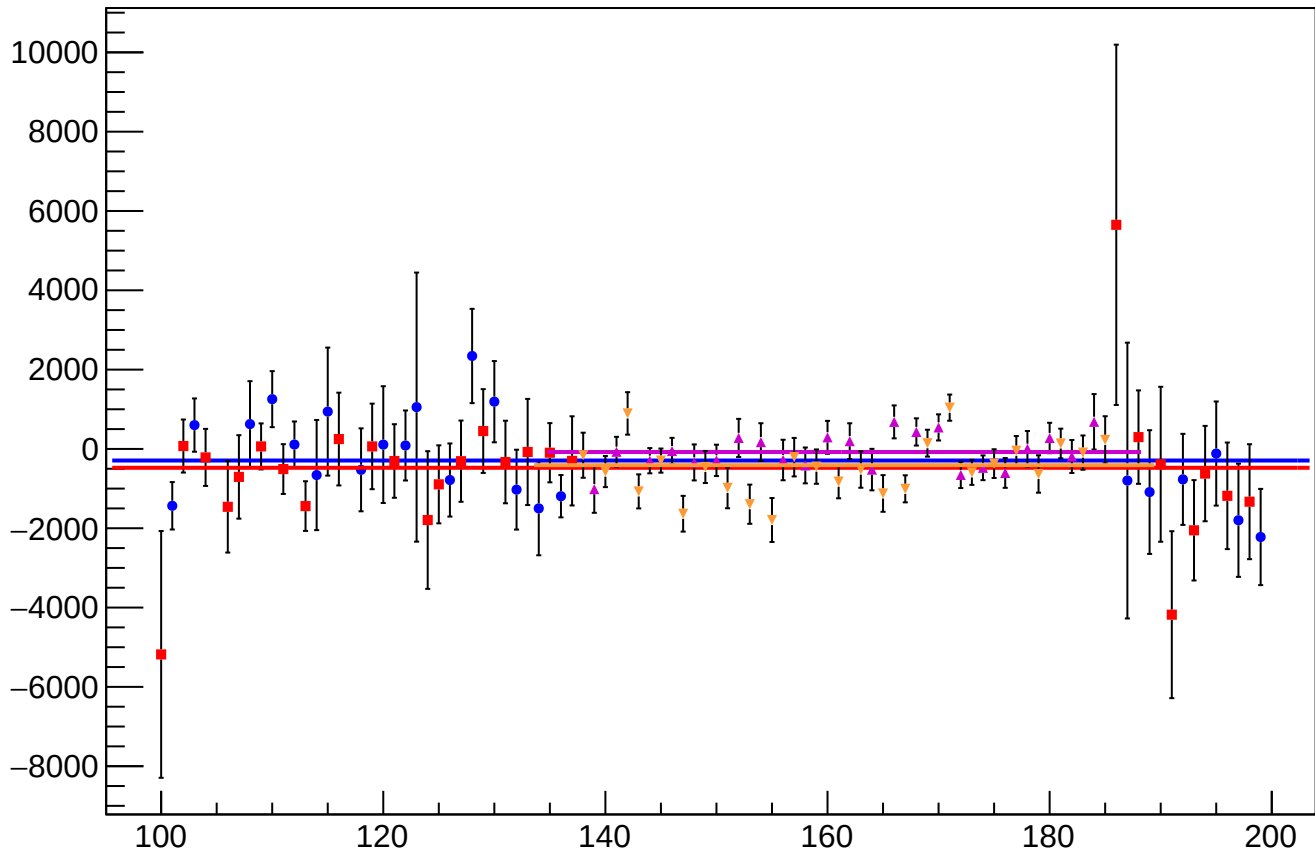
Left In: 50.683+/-0.009 χ^2/NDF : 469292.3/22

+ sign 52.105+/-0.007 χ^2/NDF : 4135075.4/47

All: 52.413+/-0.005 χ^2/NDF : 9335784.7/97

- sign 52.730+/-0.007 χ^2/NDF : 5196920.7/49

asym_sam_1357_avg_correction_mean vs Slug



Right In: -292.119 ± 197.898 χ^2/NDF : 28.4/22

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -475.341 ± 190.271 χ^2/NDF : 17.3/26

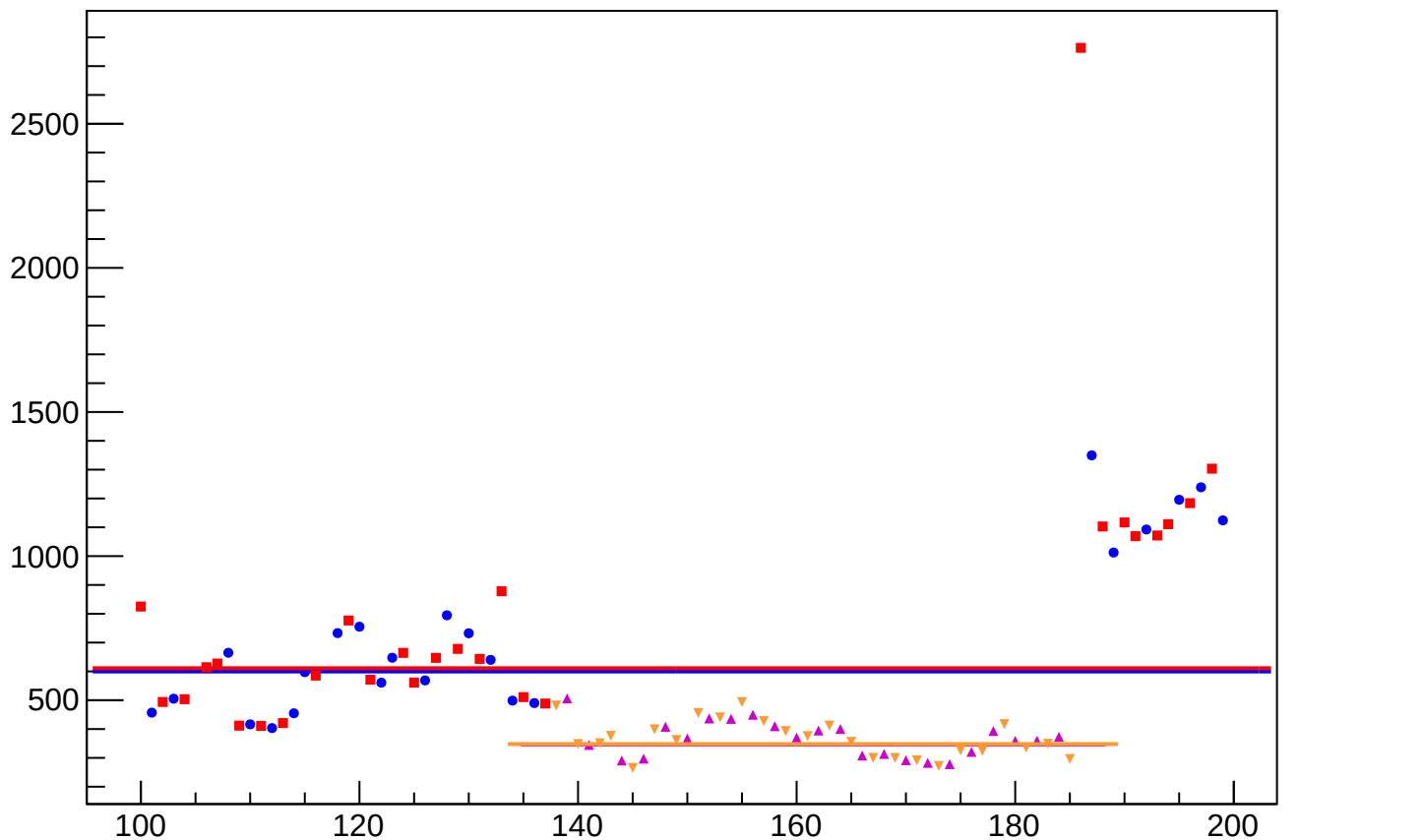
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -391.889 ± 76.029 χ^2/NDF : 90.3/47

All: -268.762 ± 54.066 χ^2/NDF : 141.4/97

- sign -142.797 ± 76.900 χ^2/NDF : 45.8/49

asym_sam_1357_avg_correction_rms vs Slug



Right In: 599.795+/-0.140 χ^2/NDF : 2583531.1/22

Left Out: 347.875+/-0.058 χ^2/NDF : 1044096.7/24

Right Out: 611.088+/-0.135 χ^2/NDF : 3406262.9/26

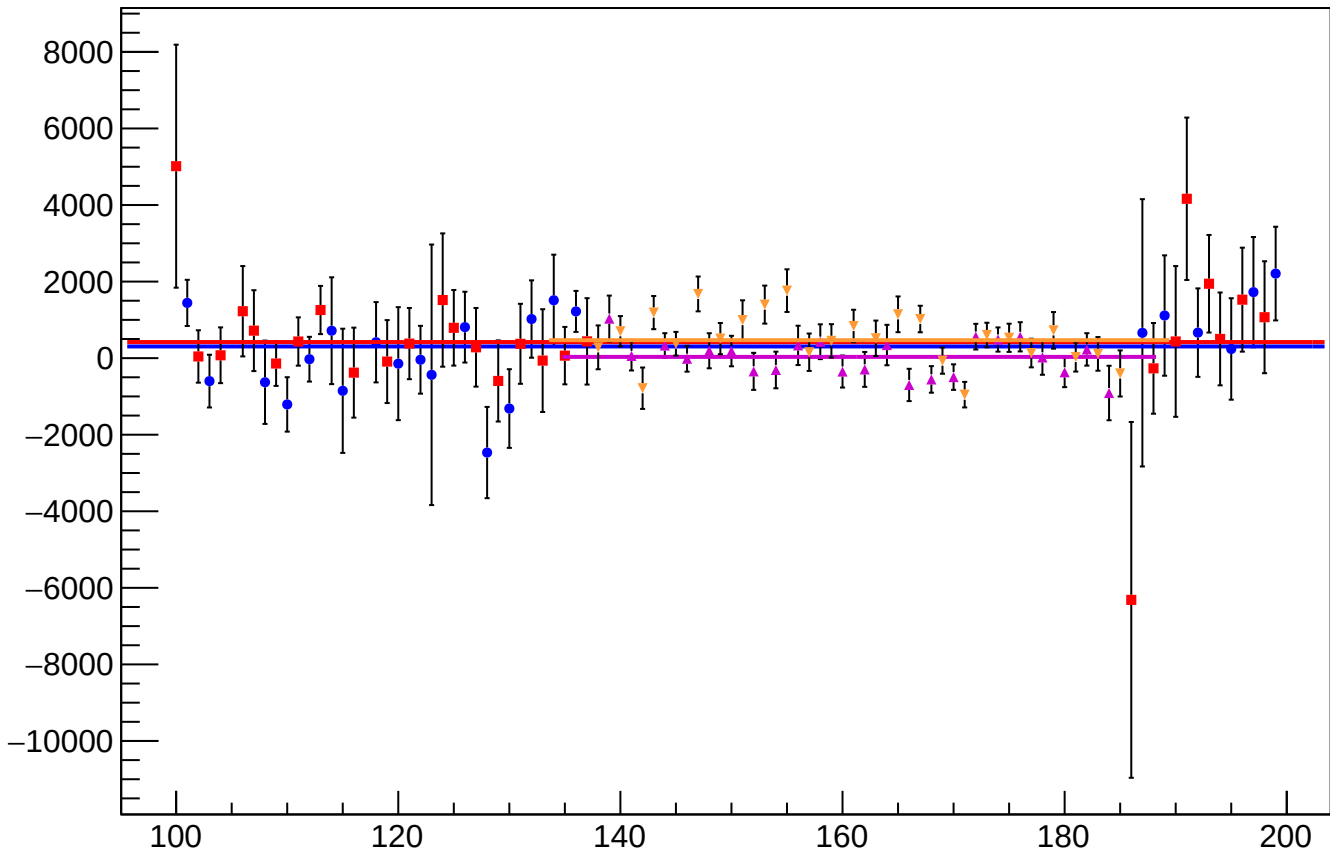
Left In: 345.954+/-0.059 χ^2/NDF : 900847.0/22

+ sign 385.058+/-0.054 χ^2/NDF : 6390235.5/47

All: 387.136+/-0.038 χ^2/NDF : 13949464.3/97

- sign 389.263+/-0.054 χ^2/NDF : 7556204.5/49

asym_sam_1357_avg_mean vs Slug



Right In: 305.538 ± 199.312 χ^2/NDF : 28.2/22

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 420.724 ± 191.751 χ^2/NDF : 16.2/26

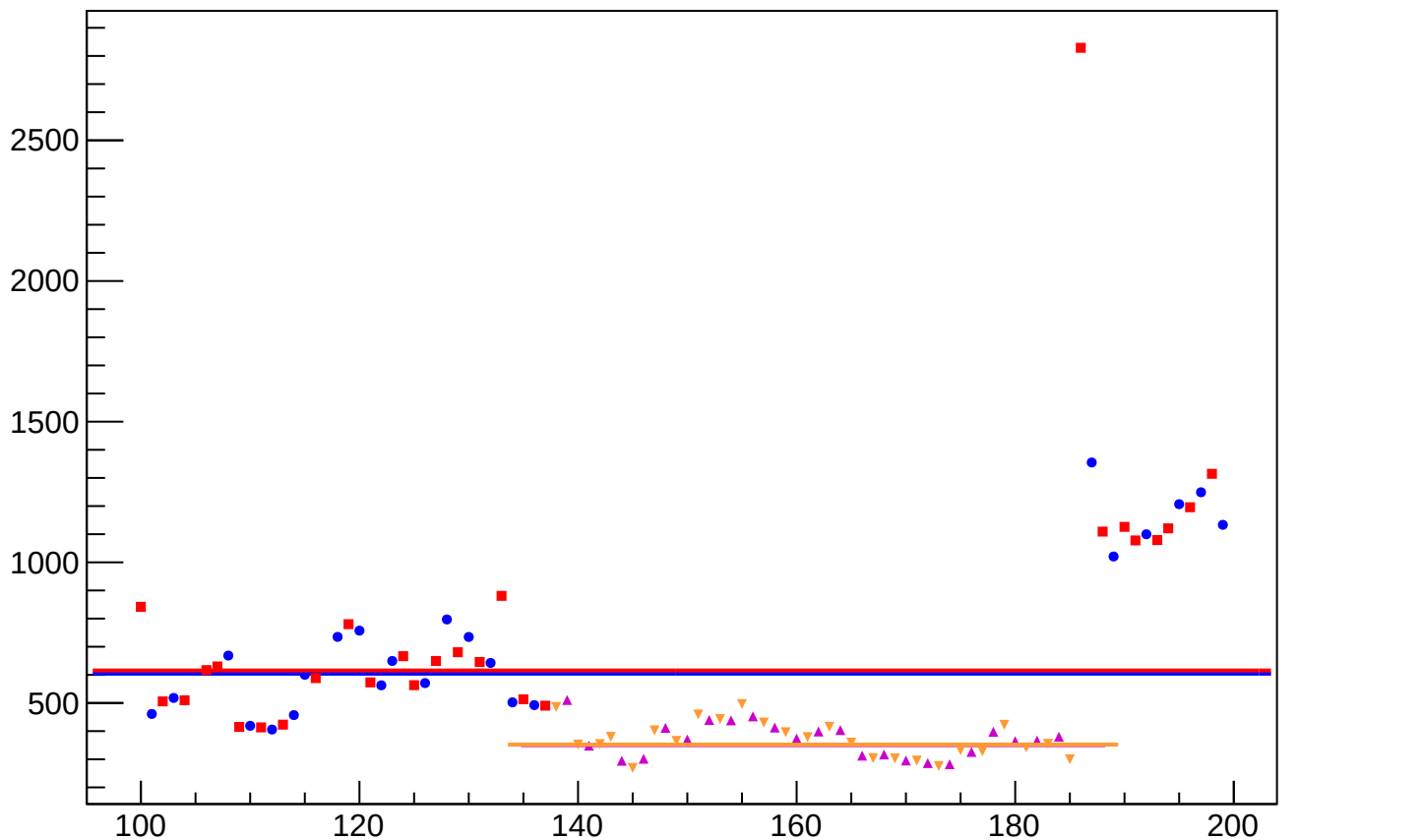
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 444.579 ± 76.854 χ^2/NDF : 86.3/47

All: 272.614 ± 54.660 χ^2/NDF : 141.7/97

- sign 96.589 ± 77.756 χ^2/NDF : 45.3/49

asym_sam_1357_avg_rms vs Slug



Right In: 604.182 $\pm$ 0.141 χ^2 /NDF: 2578371.6/22

Left Out: 352.015 $\pm$ 0.059 χ^2 /NDF: 1017195.6/24

Right Out: 615.547 $\pm$ 0.136 χ^2 /NDF: 3407076.0/26

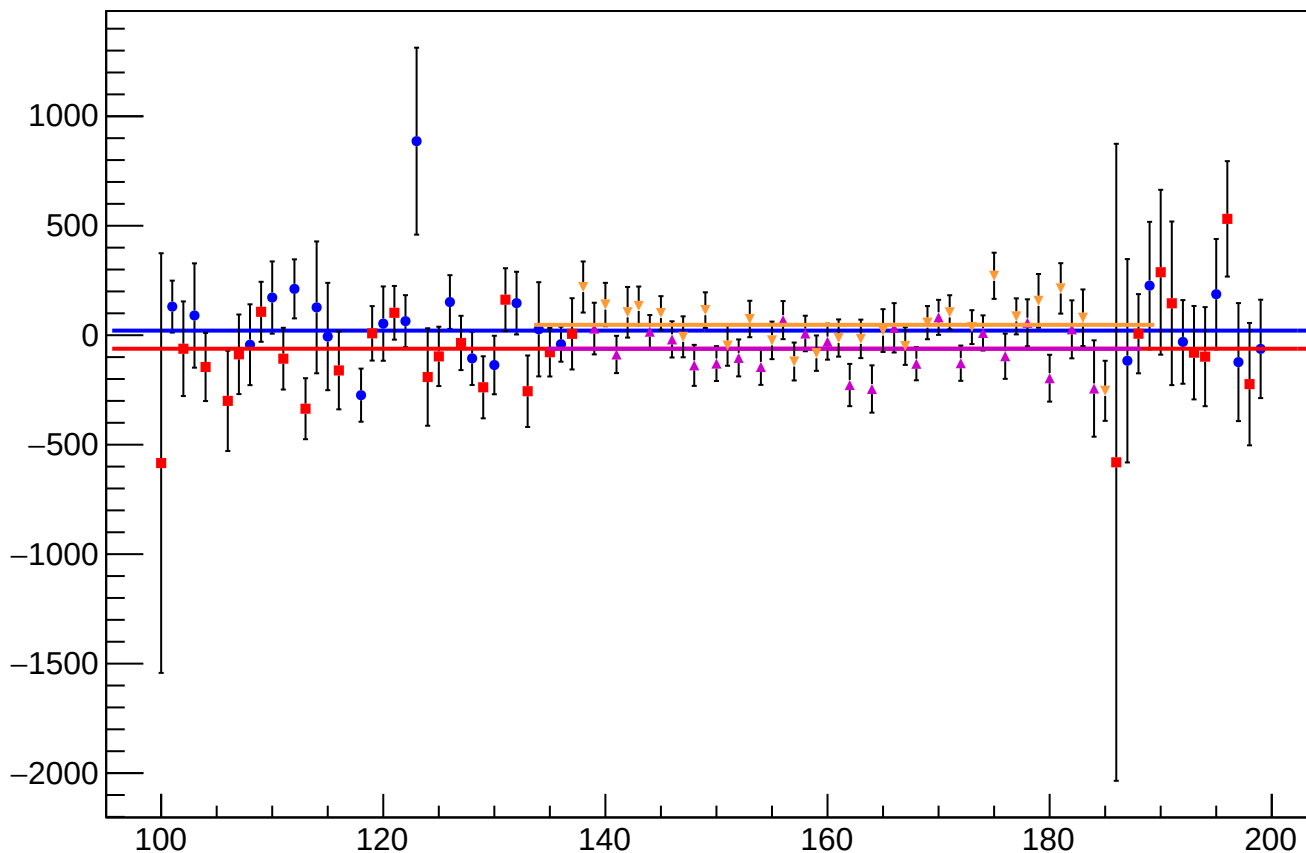
Left In: 350.160 $\pm$ 0.060 χ^2 /NDF: 878380.0/22

+ sign 389.508 $\pm$ 0.054 χ^2 /NDF: 6320965.1/47

All: 391.628 $\pm$ 0.039 χ^2 /NDF: 13810545.2/97

- sign 393.799 $\pm$ 0.055 χ^2 /NDF: 7486499.3/49

reg_asym_sam_2468_avg_mean vs Slug



Right In: 21.047 ± 32.851 χ^2/NDF : 20.7/22

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: -61.688 ± 32.622 χ^2/NDF : 22.5/26

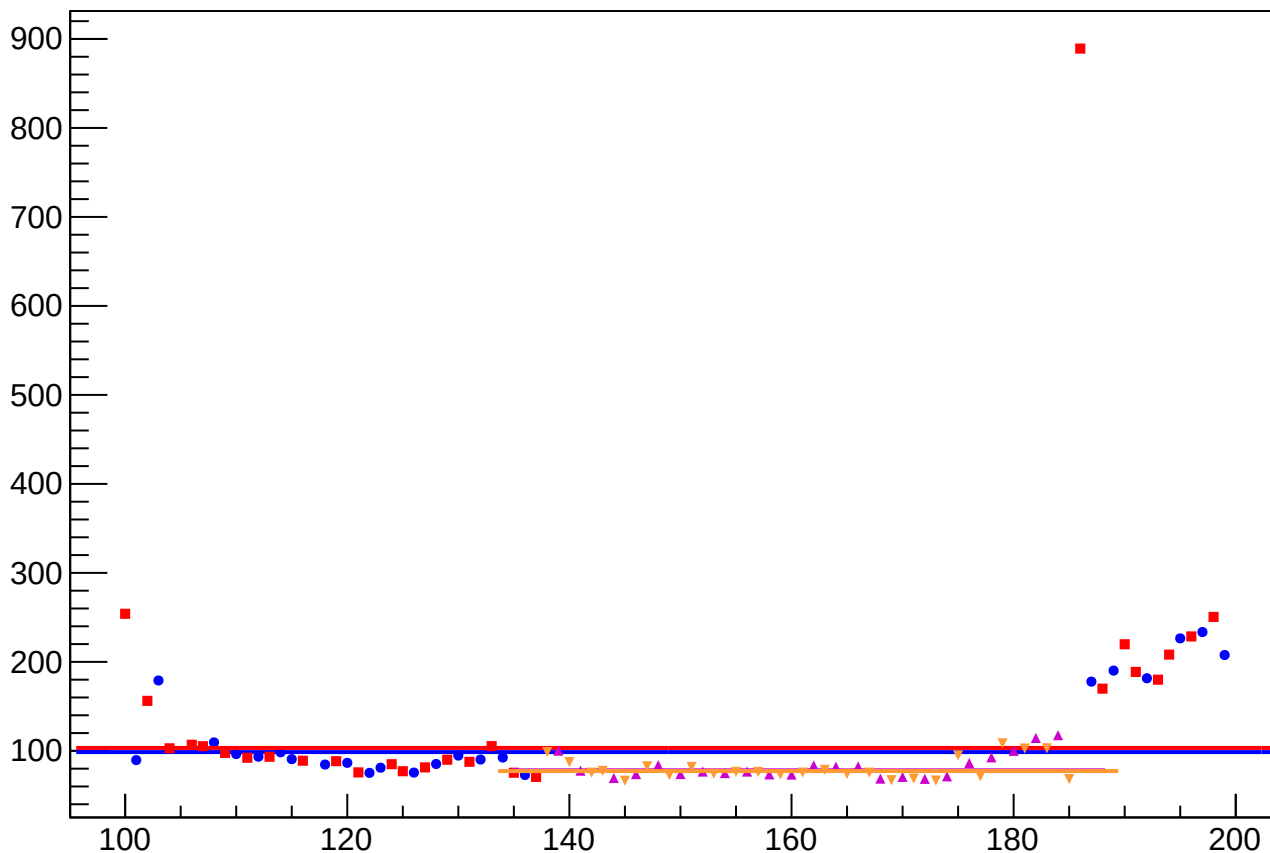
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 41.203 ± 15.955 χ^2/NDF : 50.6/47

All: -8.909 ± 11.433 χ^2/NDF : 117.3/97

- sign -61.794 ± 16.391 χ^2/NDF : 46.5/49

reg_asym_sam_2468_avg_rms vs Slug



Right In: 98.642 $\pm$ 0.023 χ^2 /NDF: 2800415.8/22

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF: 635622.3/24

Right Out: 103.310 $\pm$ 0.023 χ^2 /NDF: 3581431.9/26

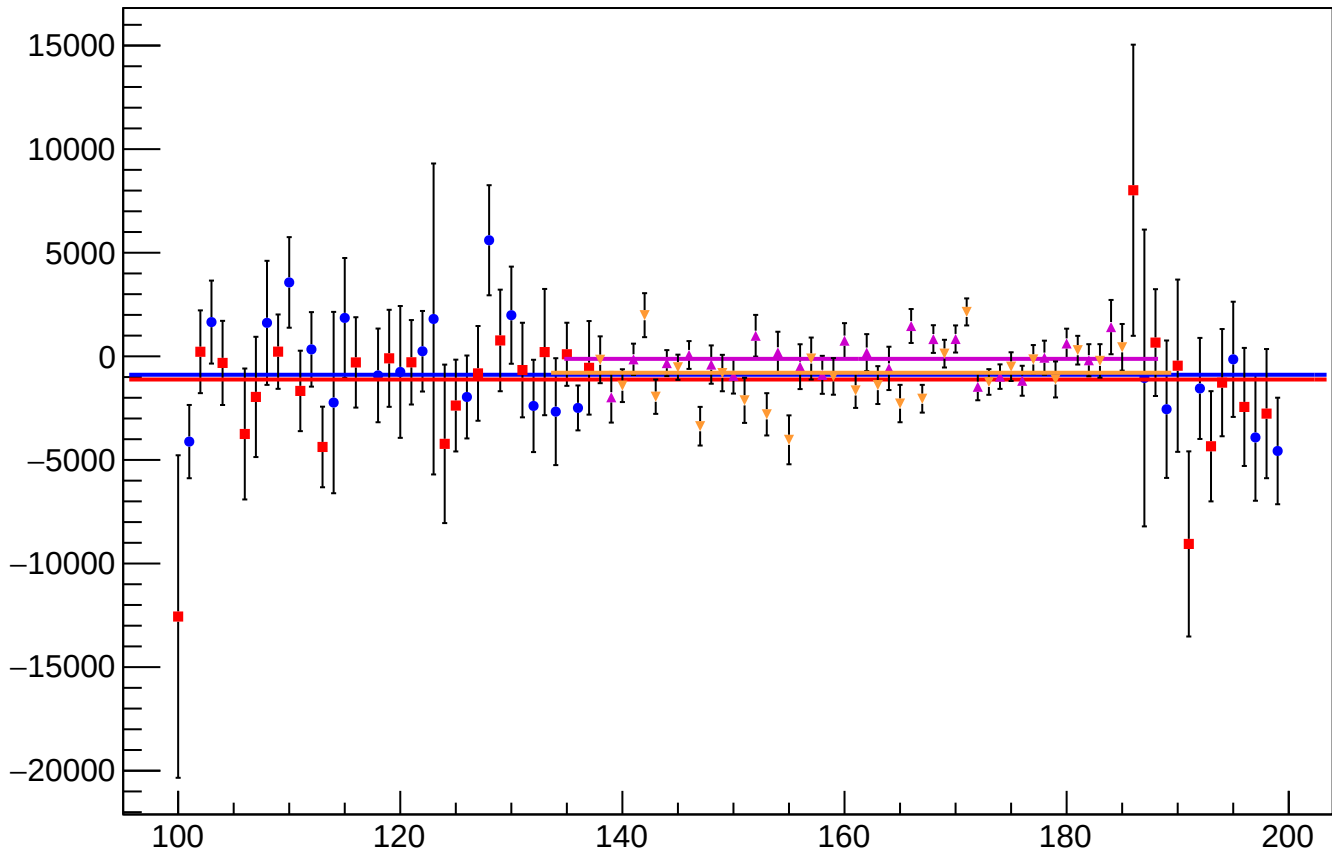
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

+ sign 82.347 $\pm$ 0.011 χ^2 /NDF: 4080060.2/47

All: 83.391 $\pm$ 0.008 χ^2 /NDF: 9151367.2/97

- sign 84.493 $\pm$ 0.012 χ^2 /NDF: 5053694.1/49

asym_sam_2468_avg_correction_mean vs Slug



Right In: -889.410 ± 477.278 χ^2/NDF : 26.0/22

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1118.511 ± 468.574 χ^2/NDF : 17.3/26

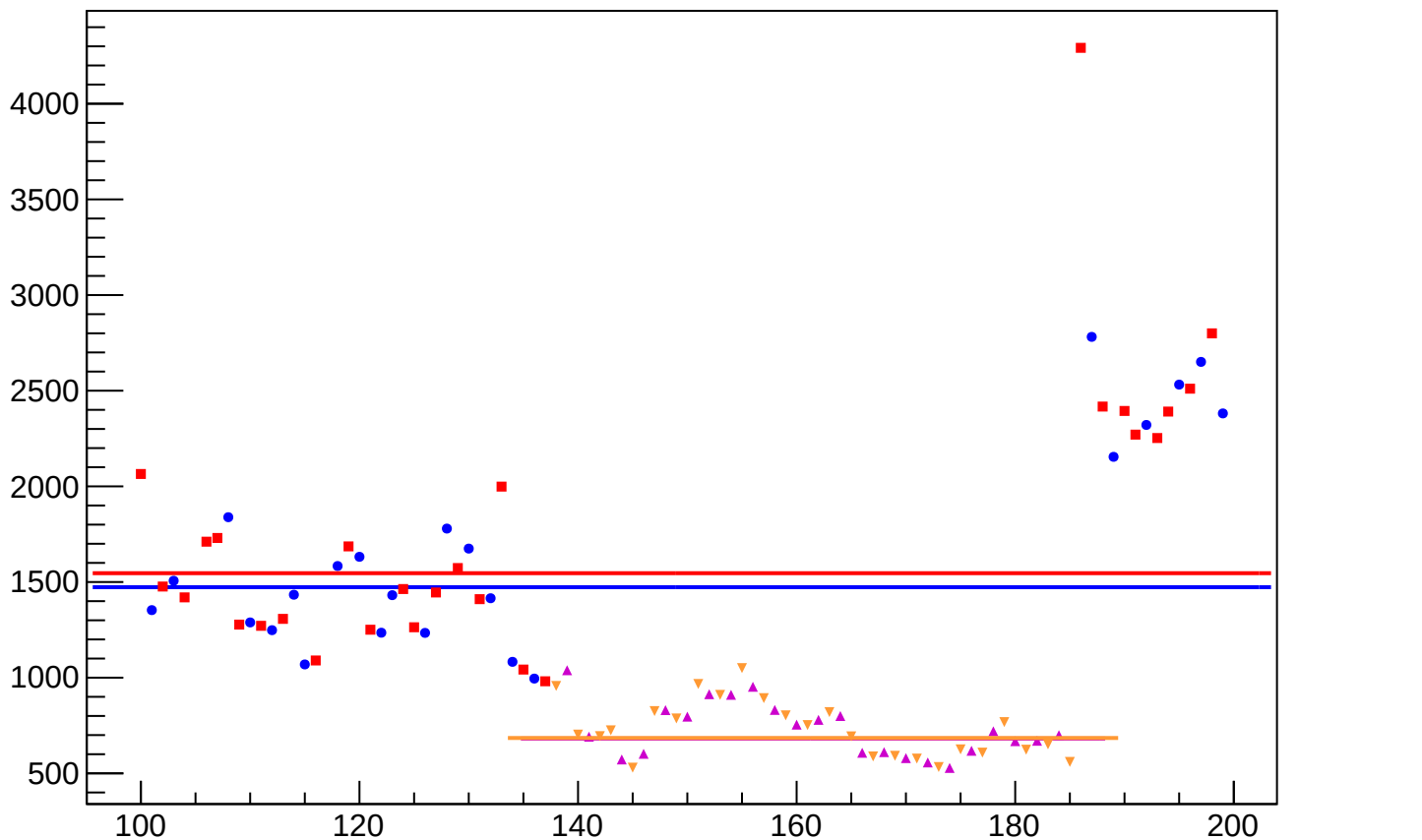
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -802.832 ± 153.963 χ^2/NDF : 92.7/47

All: -523.072 ± 109.800 χ^2/NDF : 146.7/97

- sign -233.526 ± 156.633 χ^2/NDF : 47.3/49

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1473.112 $\pm$ 0.337 χ^2 /NDF: 1898838.3/22

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF: 1280146.2/24

Right Out: 1546.235 $\pm$ 0.331 χ^2 /NDF: 2293641.7/26

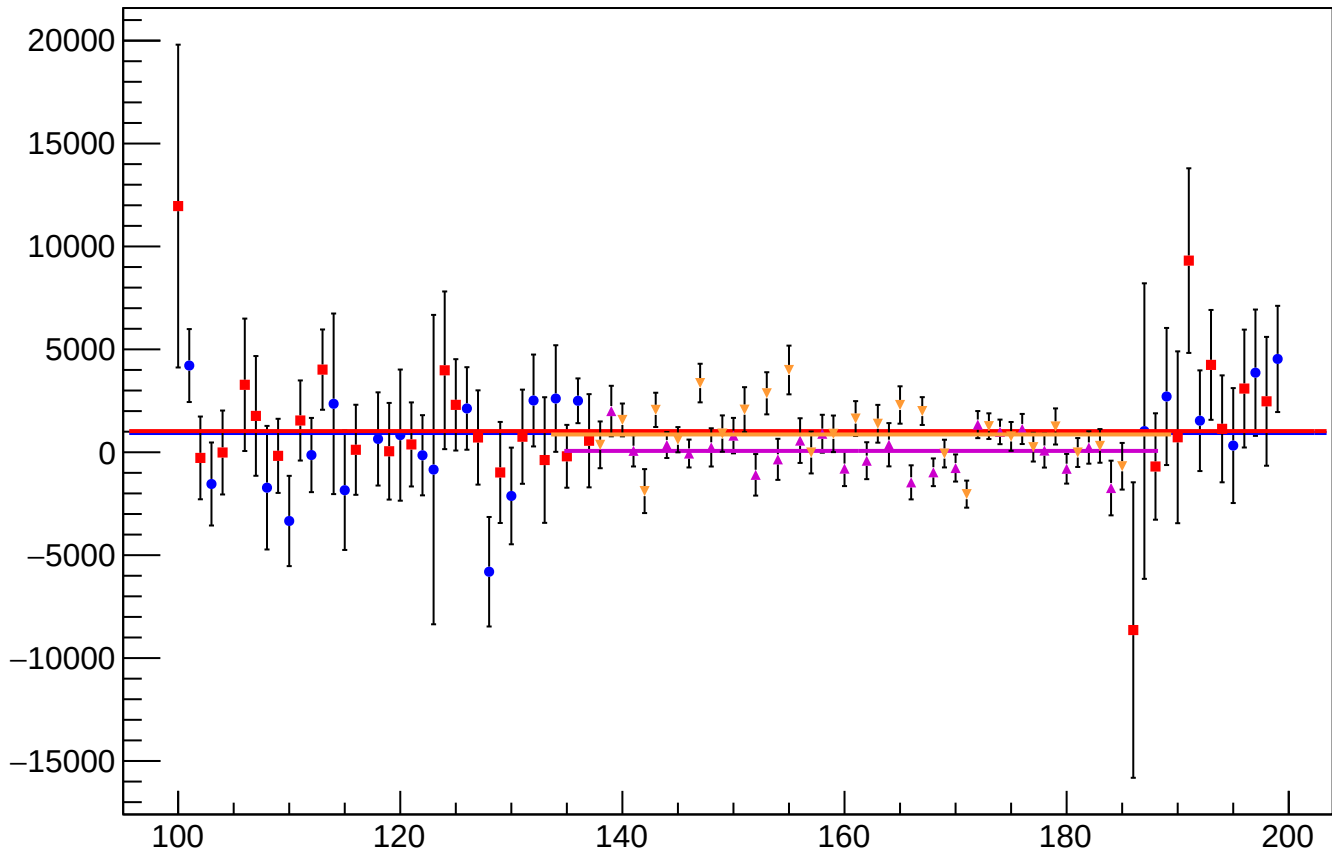
Left In: 681.712 $\pm$ 0.118 χ^2 /NDF: 1119637.0/22

+ sign 766.819 $\pm$ 0.109 χ^2 /NDF: 8067511.5/47

All: 772.468 $\pm$ 0.078 χ^2 /NDF: 17533642.2/97

- sign 778.314 $\pm$ 0.111 χ^2 /NDF: 9460652.2/49

asym_sam_2468_avg_mean vs Slug



Right In: 935.322 ± 478.706 χ^2/NDF : 26.0/22

Left Out: 865.597 ± 163.885 χ^2/NDF : 62.8/24

Right Out: 1029.055 ± 470.207 χ^2/NDF : 16.9/26

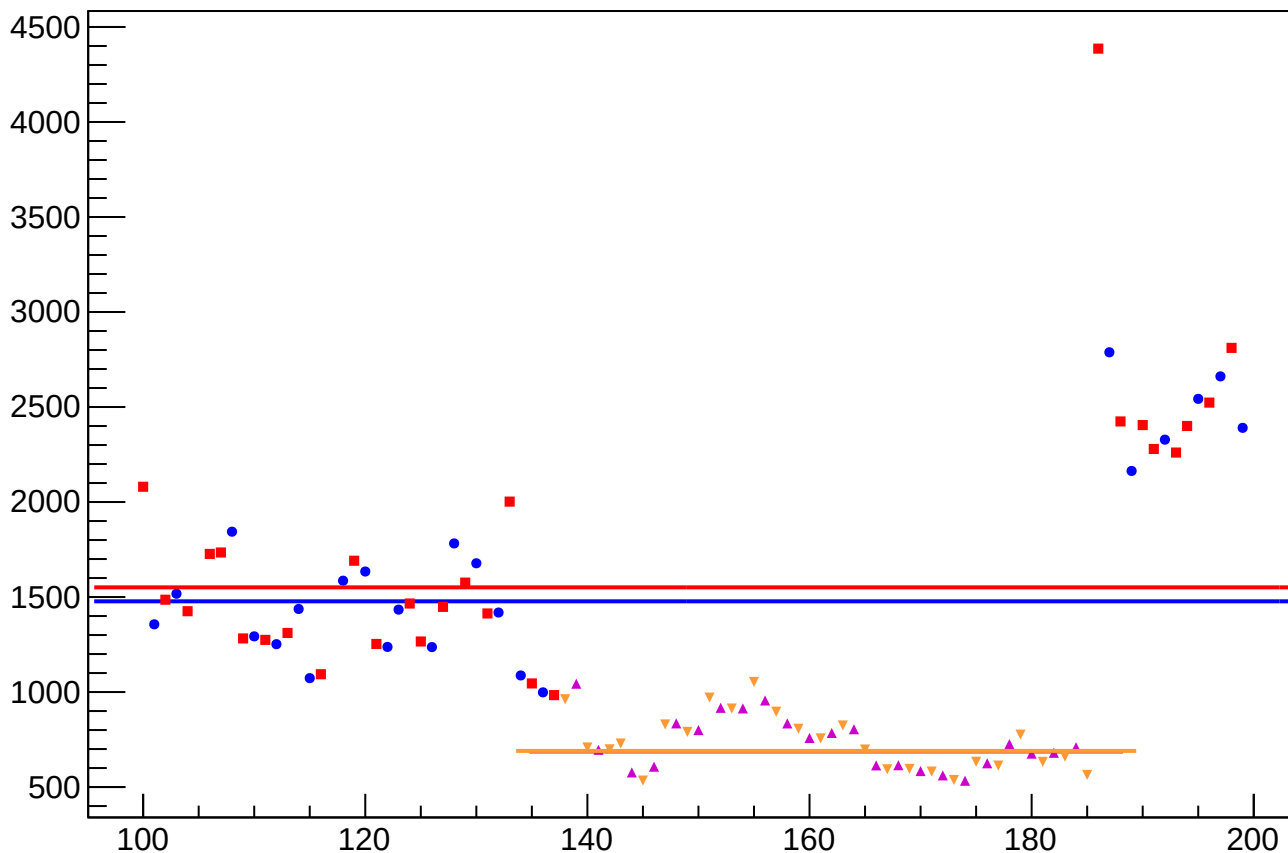
Left In: 65.924 ± 167.485 χ^2/NDF : 26.4/22

+ sign 872.912 ± 155.051 χ^2/NDF : 88.8/47

All: 529.719 ± 110.588 χ^2/NDF : 145.8/97

- sign 174.362 ± 157.775 χ^2/NDF : 47.0/49

asym_sam_2468_avg_rms vs Slug



Right In: 1477.433+/-0.338 χ^2/NDF : 1901342.8/22

Left Out: 690.166+/-0.116 χ^2/NDF : 1258158.2/24

Right Out: 1550.880+/-0.332 χ^2/NDF : 2305189.2/26

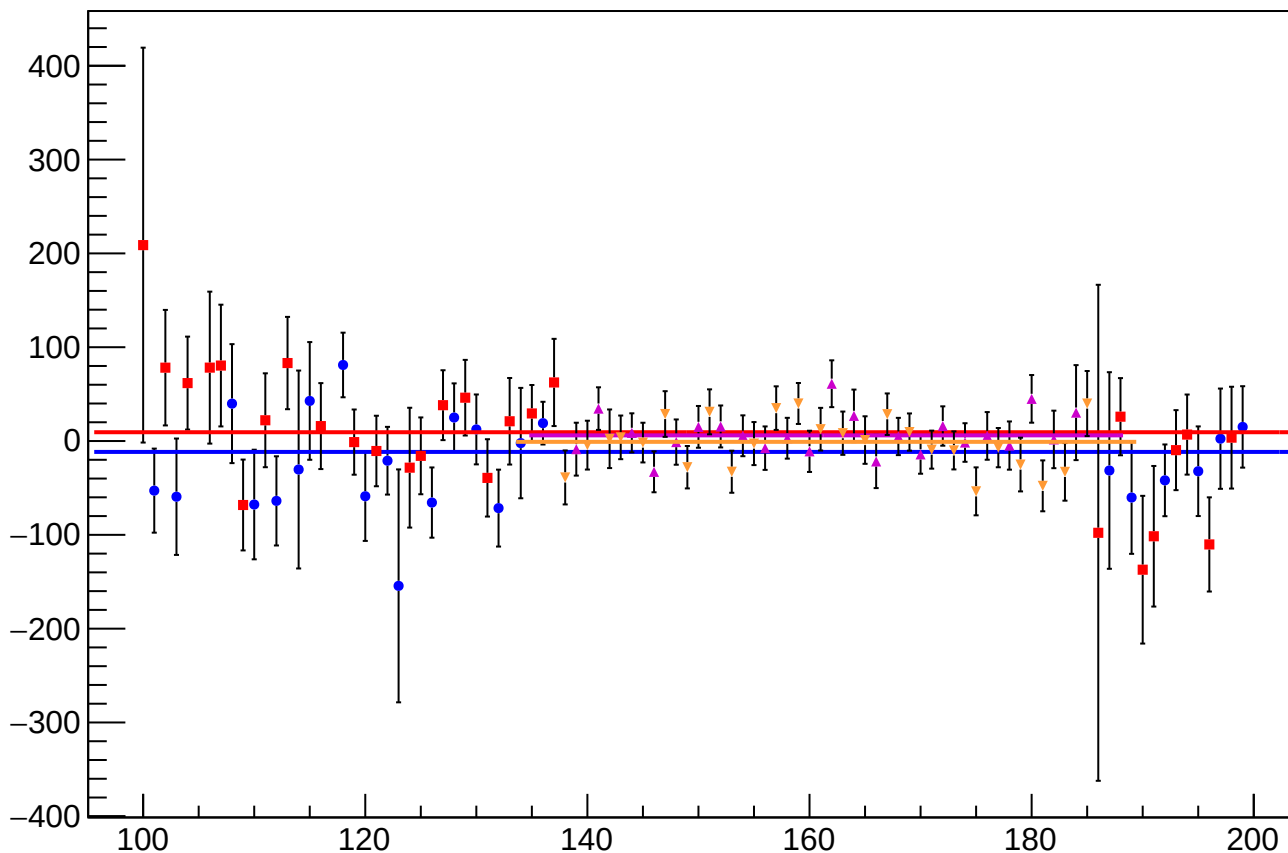
Left In: 687.216+/-0.118 χ^2/NDF : 1099706.1/22

+ sign 772.757+/-0.110 χ^2/NDF : 8001265.8/47

All: 778.504+/-0.078 χ^2/NDF : 17399536.0/97

- sign 784.455+/-0.112 χ^2/NDF : 9392677.0/49

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -11.606 ± 9.294 χ^2/NDF : 24.1/22

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 9.379 ± 9.166 χ^2/NDF : 27.7/26

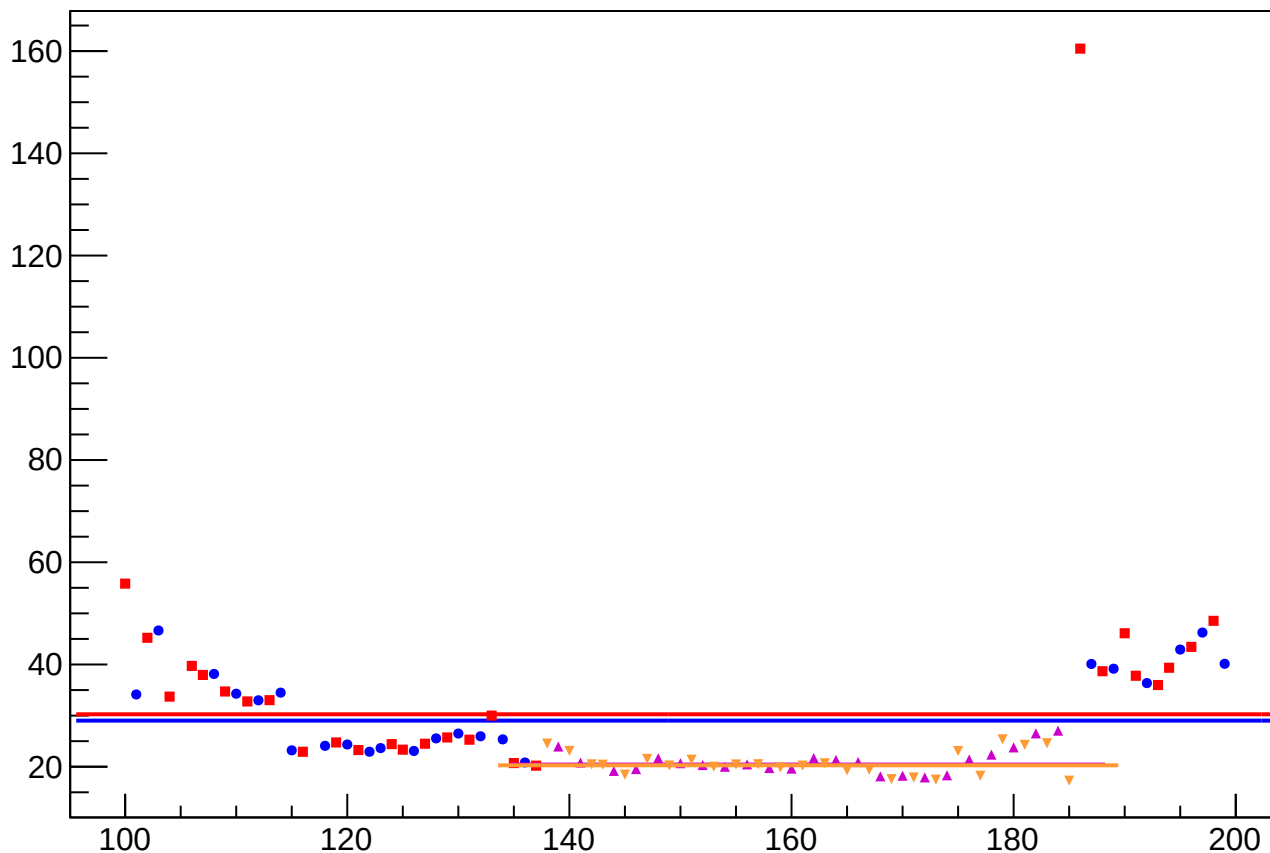
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.094 ± 4.237 χ^2/NDF : 53.0/47

All: 1.730 ± 3.031 χ^2/NDF : 100.4/97

- sign 6.790 ± 4.339 χ^2/NDF : 44.7/49

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.019+/-0.007 χ^2 /NDF: 1420361.5/22

Left Out: 20.279+/-0.003 χ^2 /NDF: 407056.4/24

Right Out: 30.259+/-0.006 χ^2 /NDF: 2042253.2/26

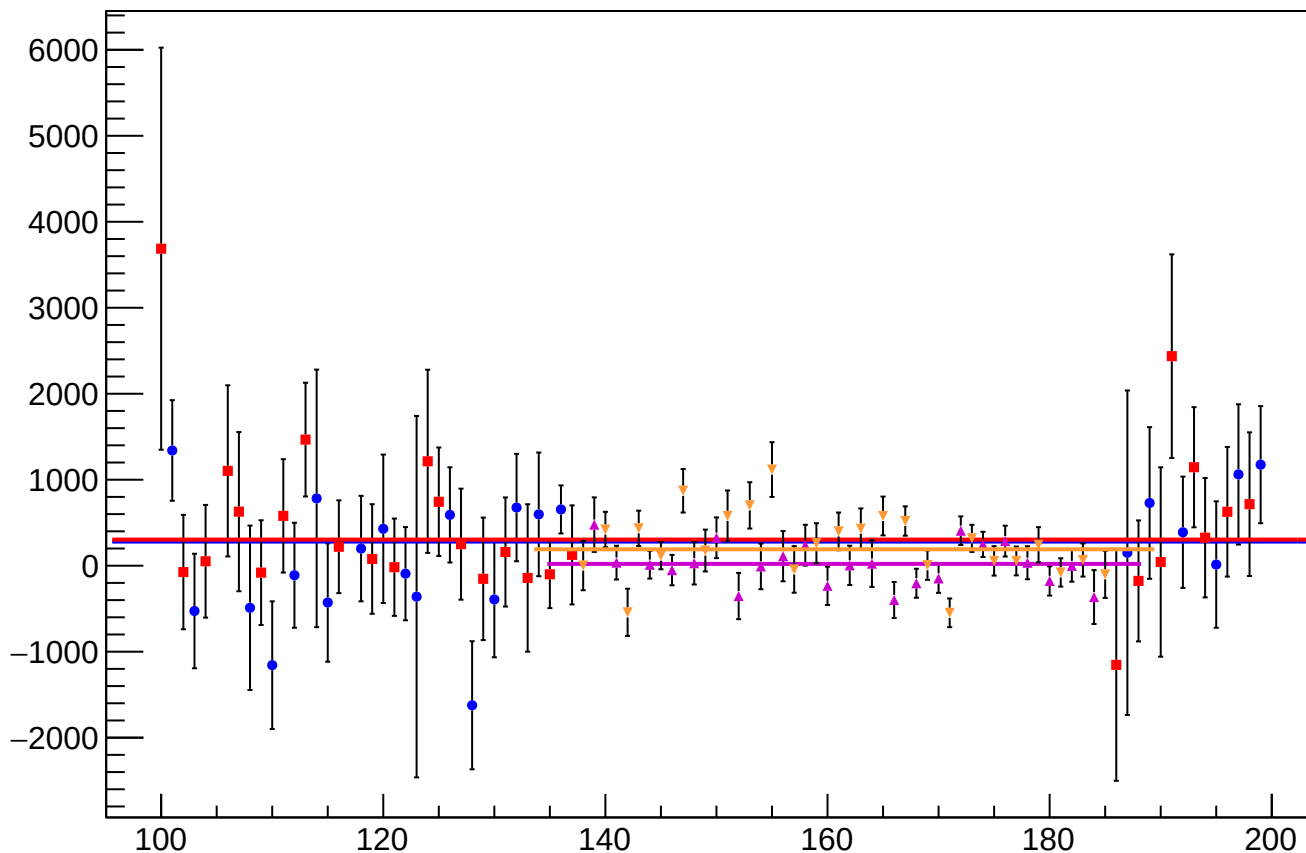
Left In: 20.424+/-0.003 χ^2 /NDF: 323427.4/22

+ sign 22.096+/-0.003 χ^2 /NDF: 3228563.7/47

All: 22.355+/-0.002 χ^2 /NDF: 7396498.7/97

- sign 22.627+/-0.003 χ^2 /NDF: 4152557.8/49

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 280.502 ± 134.841 χ^2/NDF : 24.6/22

Left Out: 190.867 ± 41.314 χ^2/NDF : 67.9/24

Right Out: 303.861 ± 133.921 χ^2/NDF : 17.4/26

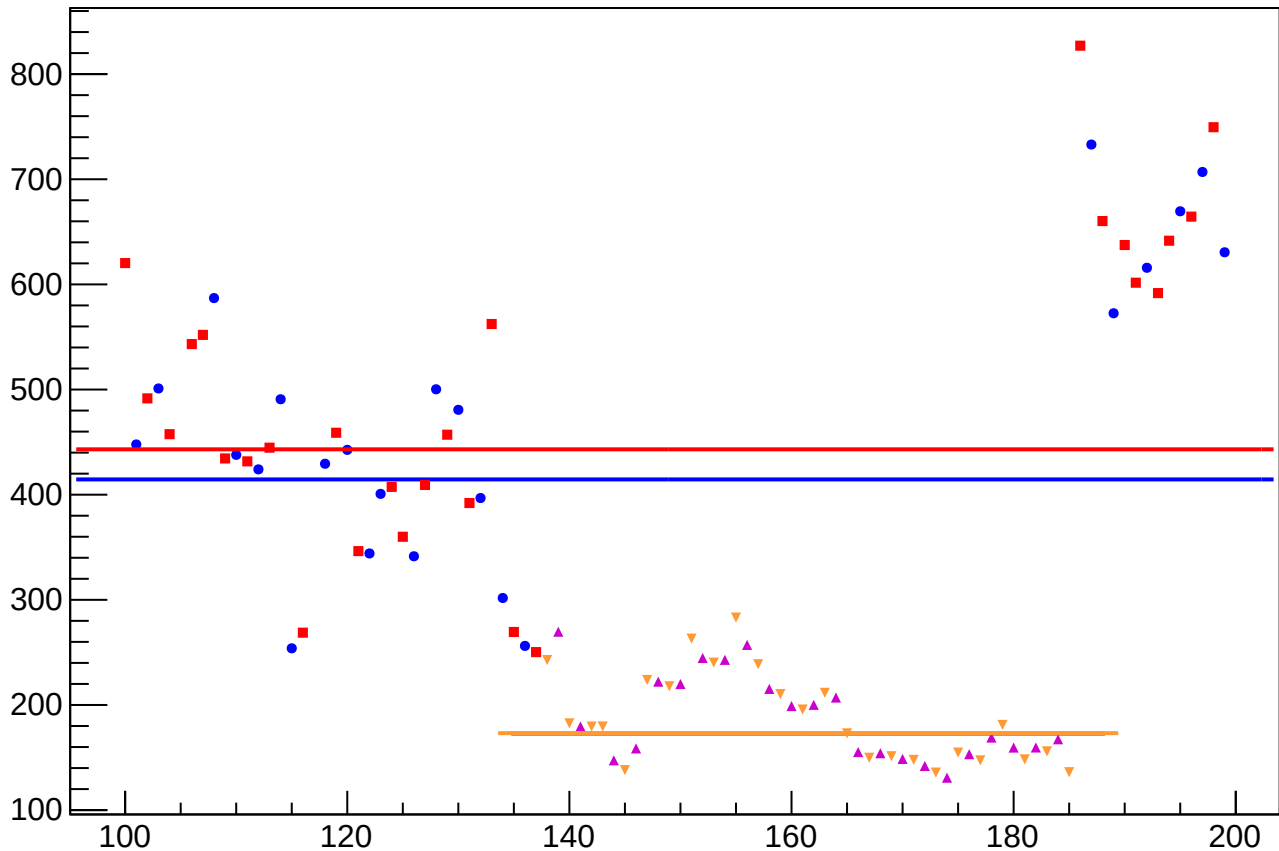
Left In: 20.998 ± 42.291 χ^2/NDF : 27.7/22

+ sign 198.559 ± 39.501 χ^2/NDF : 92.9/47

All: 124.176 ± 28.219 χ^2/NDF : 149.3/97

- sign 46.648 ± 40.328 χ^2/NDF : 49.2/49

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 414.512 ± 0.095 χ^2/NDF : 2046717.0/22

Left Out: 173.210 ± 0.029 χ^2/NDF : 1561250.6/24

Right Out: 443.142 ± 0.095 χ^2/NDF : 2195581.4/26

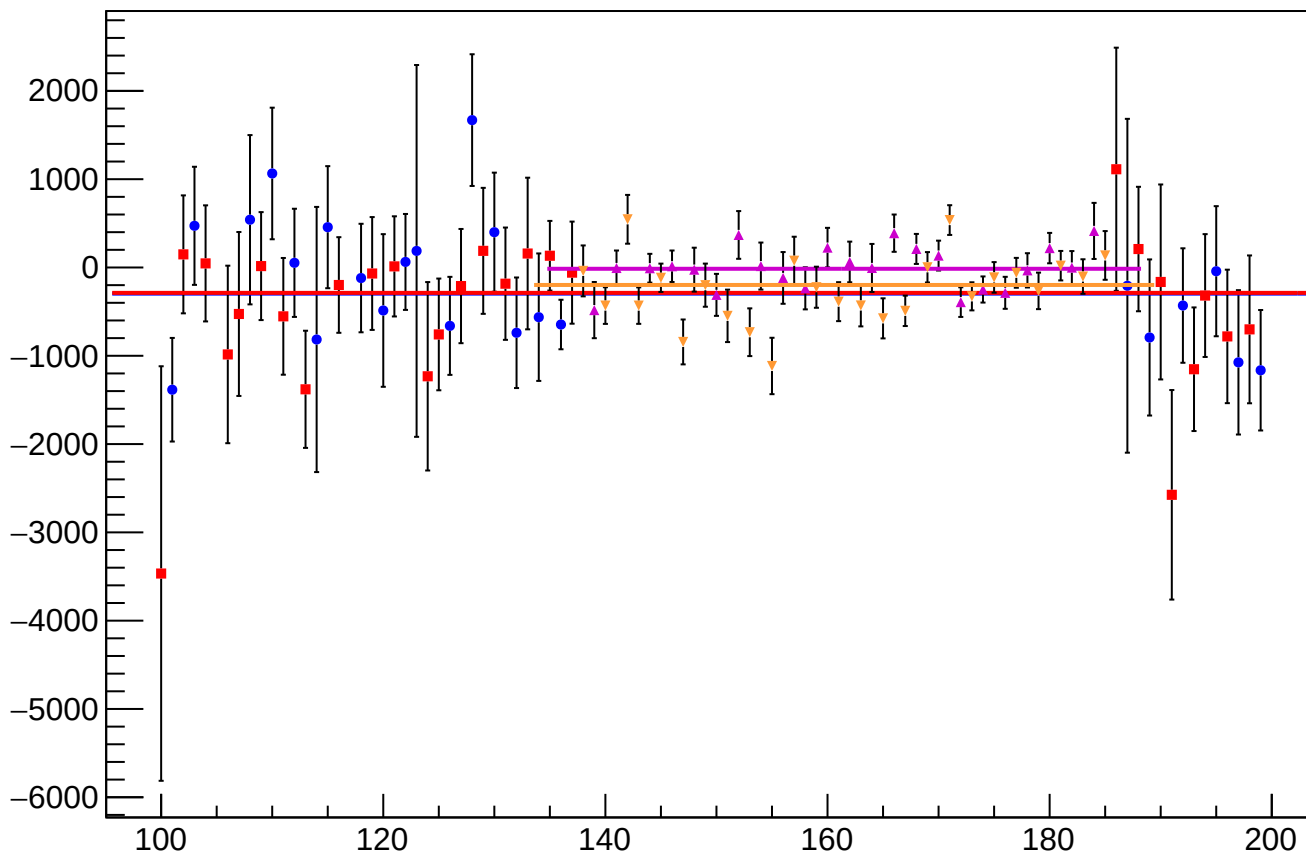
Left In: 172.828 ± 0.030 χ^2/NDF : 1372131.7/22

+ sign 193.918 ± 0.028 χ^2/NDF : 9463196.3/47

All: 195.594 ± 0.020 χ^2/NDF : 20447782.4/97

- sign 197.340 ± 0.029 χ^2/NDF : 10977238.1/49

asym_sam_1357_2468_dd_mean vs Slug



Right In: -295.701 ± 135.215 χ^2/NDF : 24.7/22

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -287.488 ± 134.324 χ^2/NDF : 17.4/26

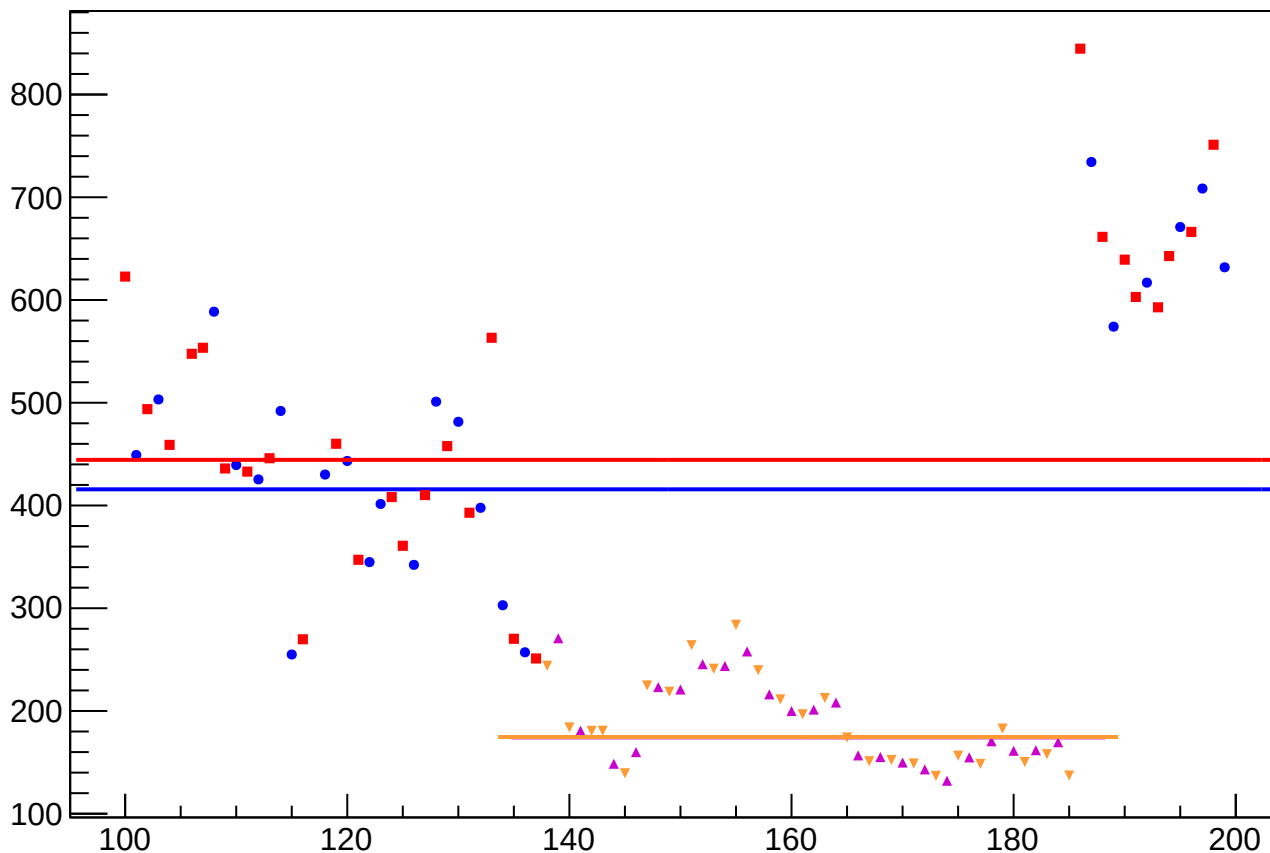
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -206.387 ± 39.794 χ^2/NDF : 89.5/47

All: -124.724 ± 28.430 χ^2/NDF : 147.0/97

- sign -39.584 ± 40.632 χ^2/NDF : 48.9/49

asym_sam_1357_2468_dd_rms vs Slug



Right In: 415.736 $\pm$ 0.096 χ^2 /NDF: 2040777.4/22

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF:1531999.5/24

Right Out: 444.419 $\pm$ 0.095 χ^2 /NDF: 2199588.7/26

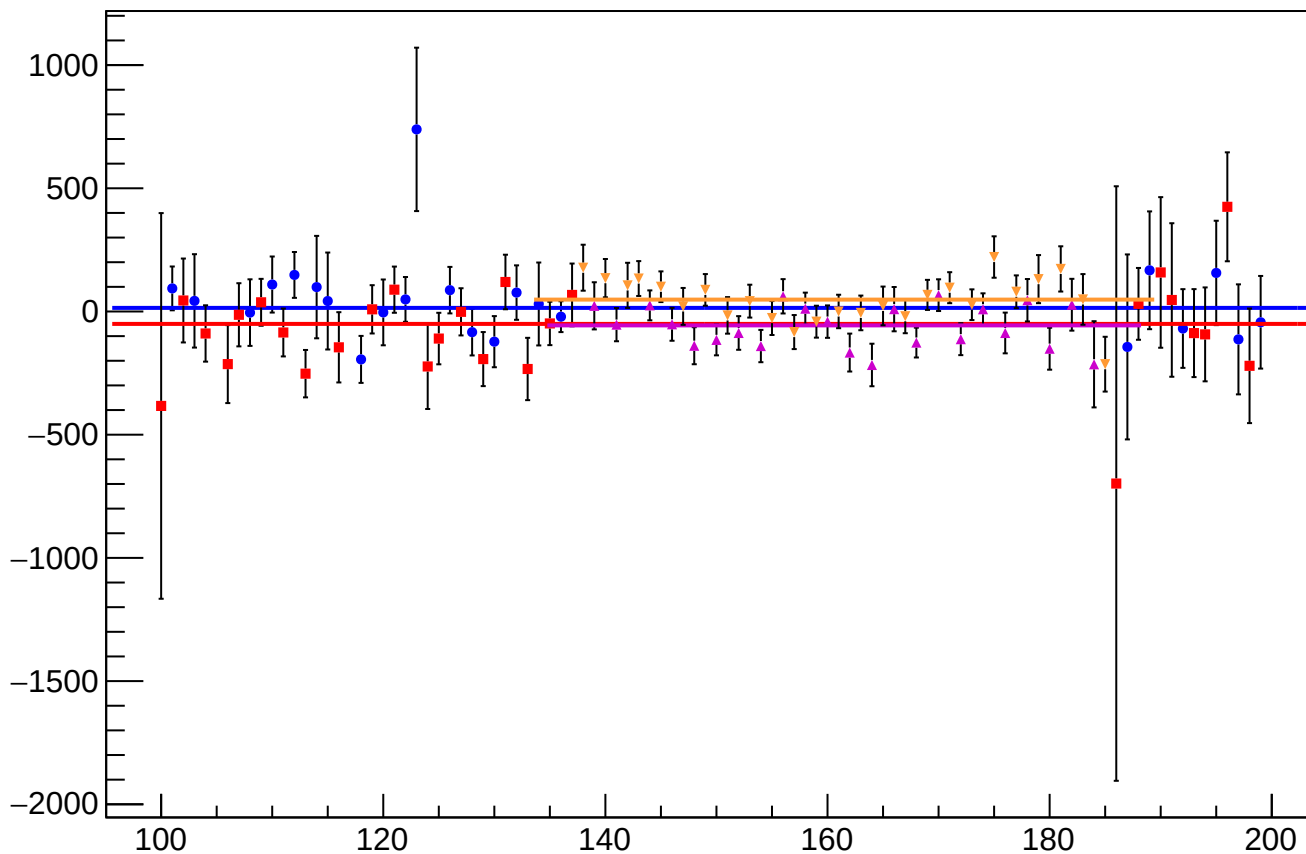
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF:1344779.5/22

+ sign 195.529 $\pm$ 0.028 χ^2 /NDF: 9380200.4/47

All: 197.231 $\pm$ 0.020 χ^2 /NDF: 20280416.9/97

- sign 199.006 $\pm$ 0.029 χ^2 /NDF: 10892743.9/49

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.622 ± 25.223 χ^2/NDF : 19.3/22

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: -50.391 ± 24.815 χ^2/NDF : 25.1/26

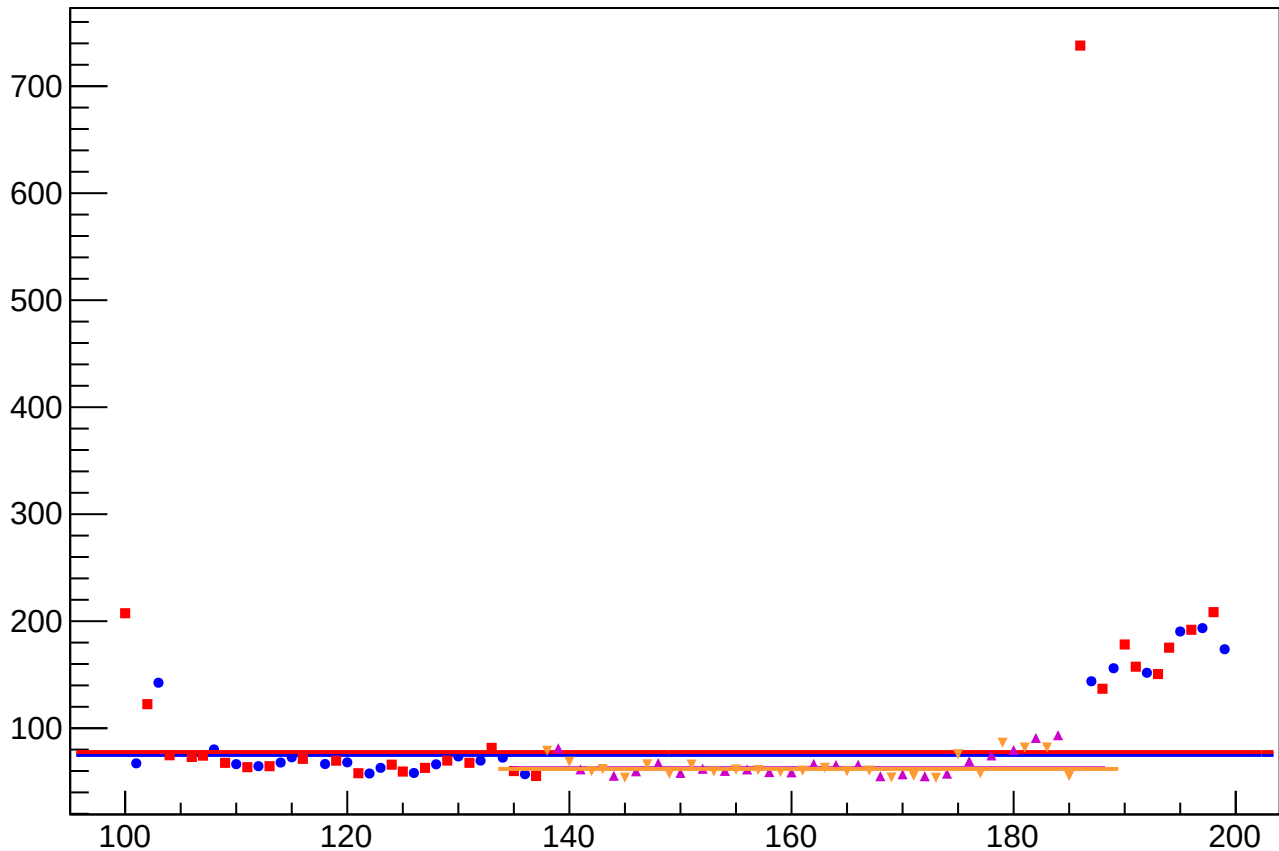
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 39.784 ± 12.646 χ^2/NDF : 49.9/47

All: -6.366 ± 9.048 χ^2/NDF : 129.9/97

- sign -54.766 ± 12.951 χ^2/NDF : 52.6/49

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 75.058+/-0.018 χ^2/NDF : 3129187.9/22

Left Out: 61.946+/-0.010 χ^2/NDF : 604989.2/24

Right Out: 77.699+/-0.018 χ^2/NDF : 3997813.6/26

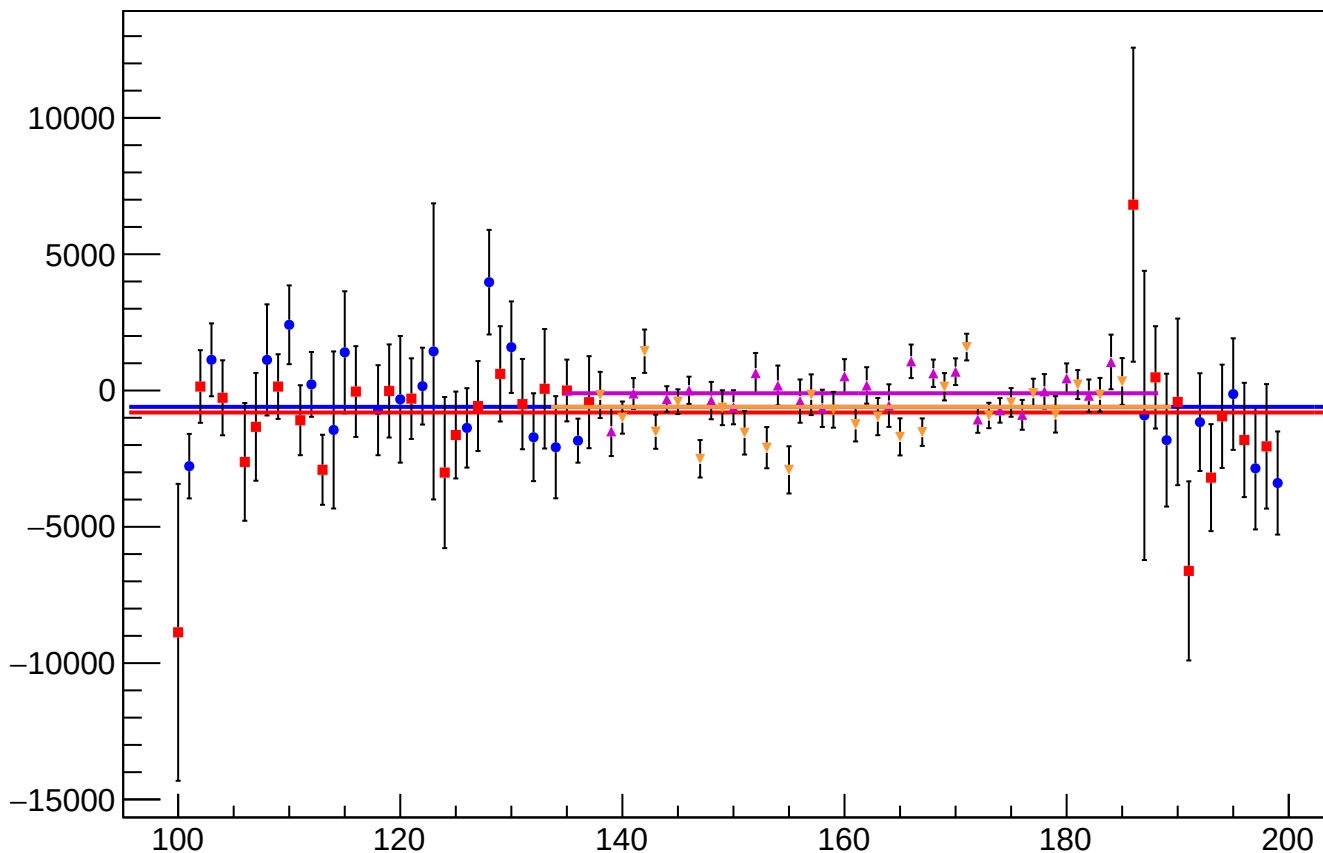
Left In: 62.607+/-0.011 χ^2/NDF : 575516.1/22

+ sign 65.242+/-0.009 χ^2/NDF : 4138766.9/47

All: 65.962+/-0.006 χ^2/NDF : 9263626.4/97

- sign 66.717+/-0.009 χ^2/NDF : 5111576.1/49

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -599.252+/-340.108 χ^2/NDF : 26.6/22

Left Out: -601.486+/-122.119 χ^2/NDF : 65.4/24

Right Out: -805.748+/-331.978 χ^2/NDF : 17.3/26

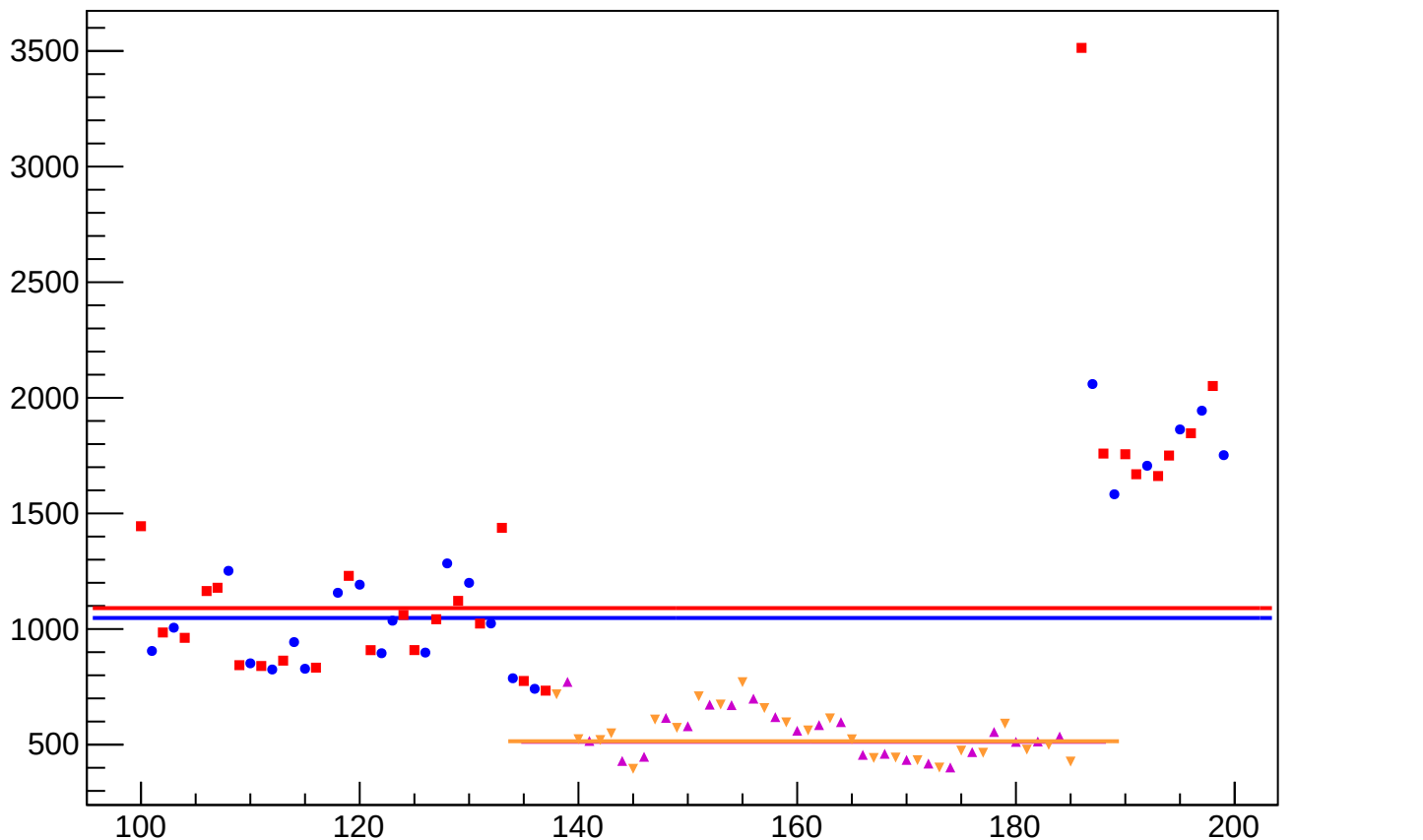
Left In: -100.548+/-124.725 χ^2/NDF : 25.5/22

+ sign -601.231+/-114.934 χ^2/NDF : 92.0/47

All: -397.755+/-81.907 χ^2/NDF : 145.1/97

- sign -187.776+/-116.756 χ^2/NDF : 46.7/49

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1047.870+/-0.240 χ^2/NDF : 1968227.5/22

Left Out: 514.758+/-0.086 χ^2/NDF : 1194945.9/24

Right Out: 1090.566+/-0.235 χ^2/NDF : 2478613.2/26

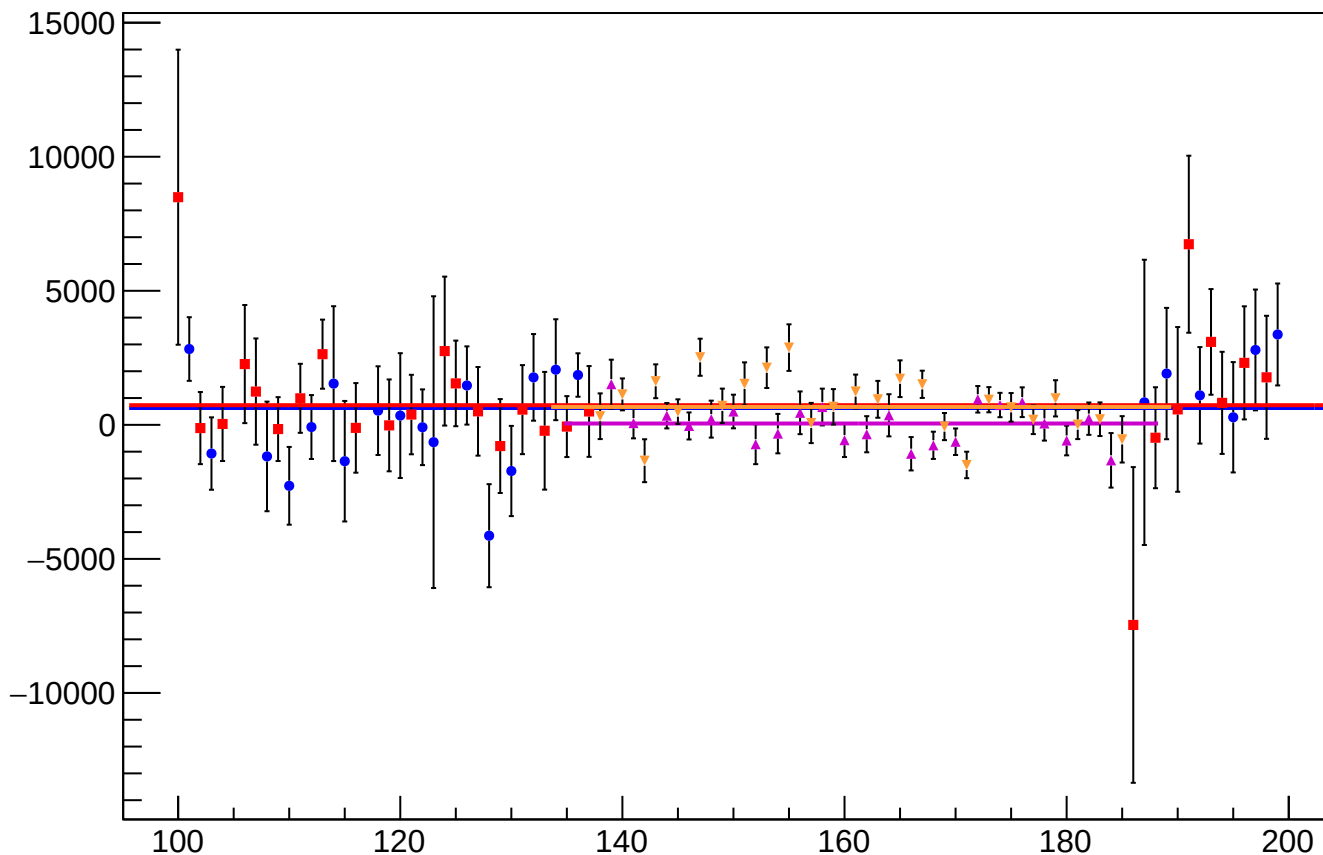
Left In: 512.199+/-0.088 χ^2/NDF : 1041302.8/22

+ sign 575.639+/-0.081 χ^2/NDF : 7515973.1/47

All: 579.625+/-0.058 χ^2/NDF : 16360330.5/97

- sign 583.739+/-0.083 χ^2/NDF : 8839468.9/49

asym_sam_12345678_avg_mean vs Slug



Right In: 629.098 $\pm$ 341.339 χ^2 /NDF: 26.6/22

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF: 61.5/24

Right Out: 733.294 $\pm$ 333.369 χ^2 /NDF: 16.6/26

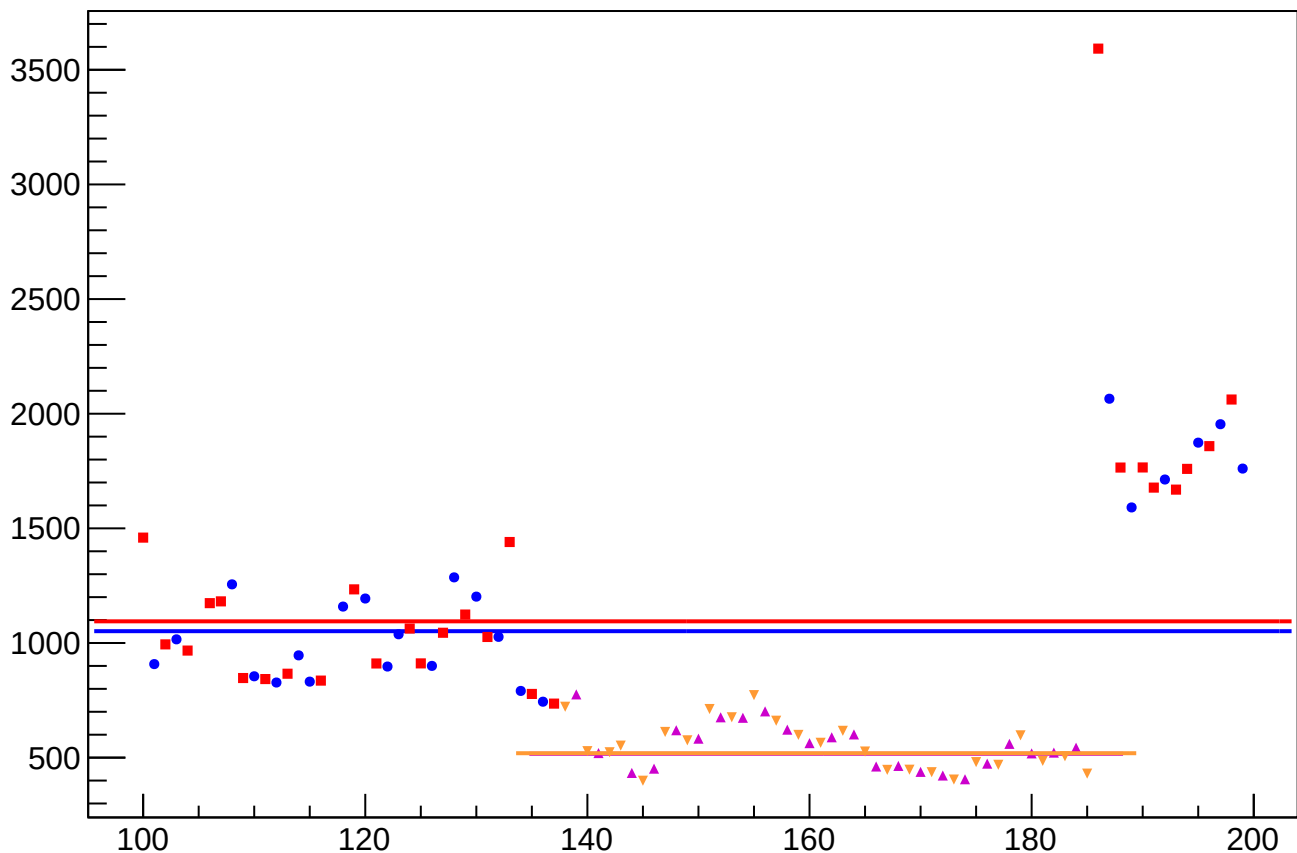
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF: 26.1/22

+ sign 663.188 $\pm$ 115.838 χ^2 /NDF: 88.1/47

All: 403.433 $\pm$ 82.561 χ^2 /NDF: 144.7/97

- sign 135.247 $\pm$ 117.703 χ^2 /NDF: 46.4/49

asym_sam_12345678_avg_rms vs Slug



Right In: 1051.551+/-0.241 χ^2 /NDF: 1972637.1/22

Left Out: 519.254+/-0.087 χ^2 /NDF:1172411.1/24

Right Out: 1094.492+/-0.236 χ^2 /NDF: 2491338.2/26

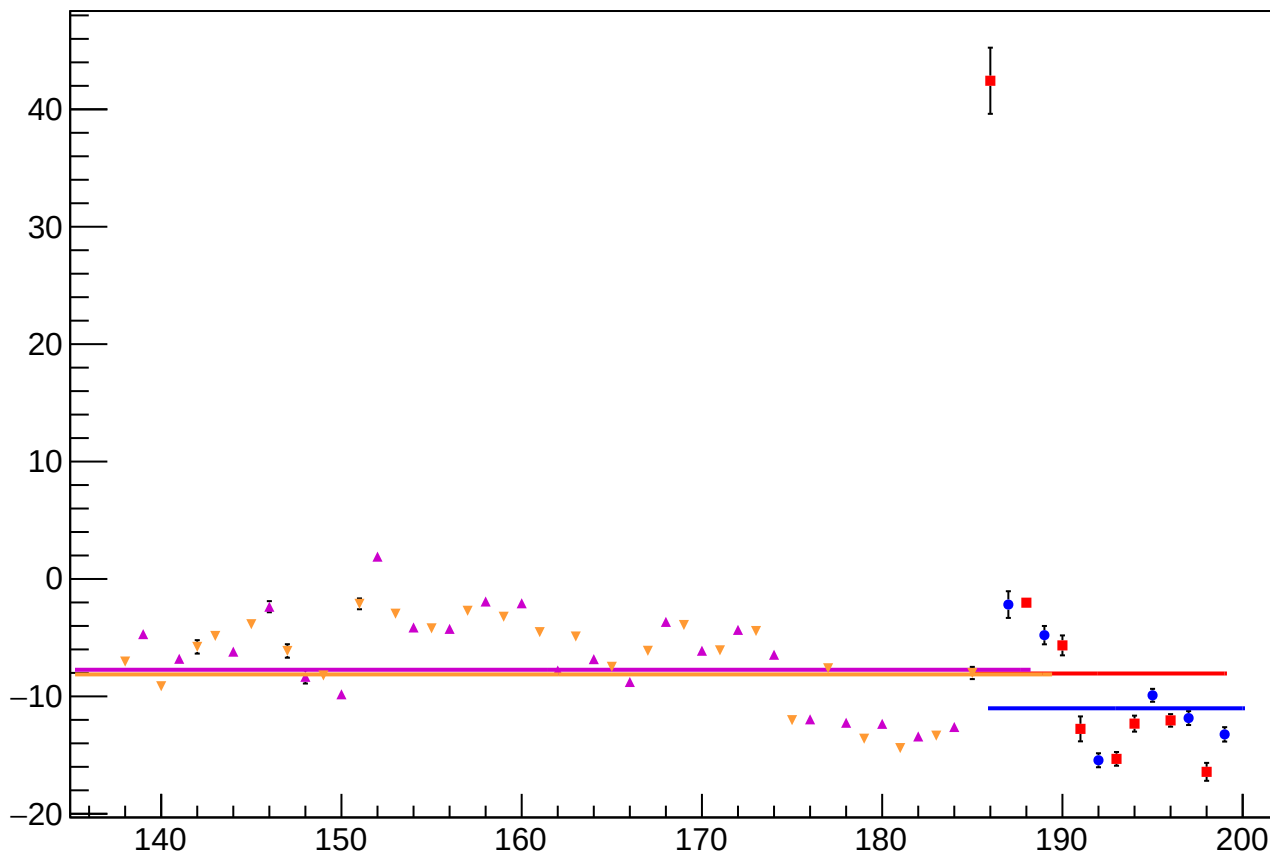
Left In: 516.792+/-0.089 χ^2 /NDF:1021374.1/22

+ sign 580.557+/-0.082 χ^2 /NDF: 7448595.8/47

All: 584.616+/-0.058 χ^2 /NDF: 16223589.7/97

- sign 588.807+/-0.083 χ^2 /NDF: 8770002.0/49

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -11.015 ± 0.267 $\chi^2/\text{NDF}: 198.0/5$

Left Out: -8.127 ± 0.067 $\chi^2/\text{NDF}: 3635.5/24$

Right Out: -8.051 ± 0.215 $\chi^2/\text{NDF}: 1041.6/7$

Left In: -7.732 ± 0.069 $\chi^2/\text{NDF}: 3719.0/22$

+ sign -8.300 ± 0.065 $\chi^2/\text{NDF}: 3943.3/30$

All: -8.032 ± 0.046 $\chi^2/\text{NDF}: 8739.7/61$

- sign -7.762 ± 0.066 $\chi^2/\text{NDF}: 4762.6/30$

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.657 ± 0.128 χ^2/NDF : 3871.5/22

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -59.468 ± 0.125 χ^2/NDF : 5899.2/26

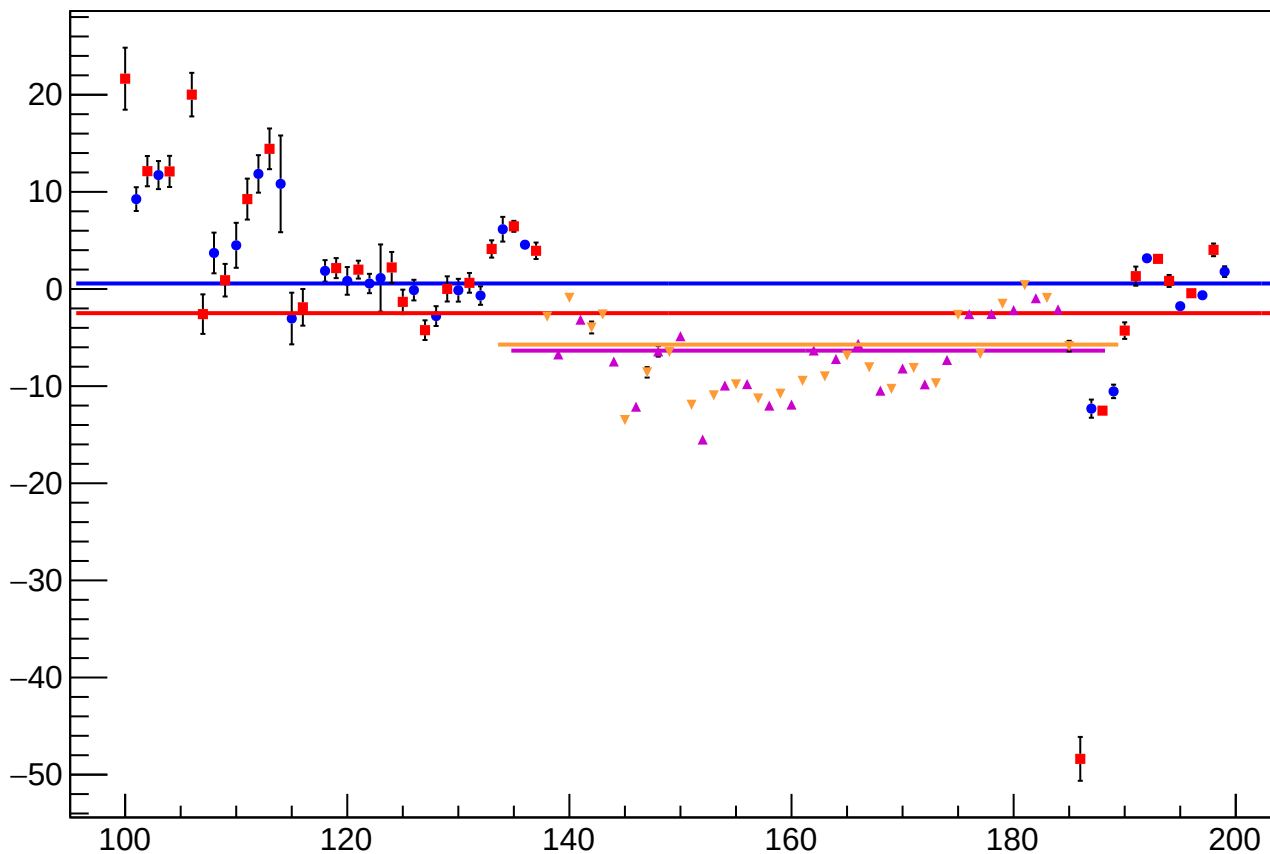
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.284 ± 0.051 χ^2/NDF : 8599.8/47

All: -53.304 ± 0.036 χ^2/NDF : 20610.2/97

- sign -53.326 ± 0.052 χ^2/NDF : 12010.0/49

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 0.570 ± 0.173 χ^2/NDF : 792.6/22

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -2.486 ± 0.151 χ^2/NDF : 2923.6/26

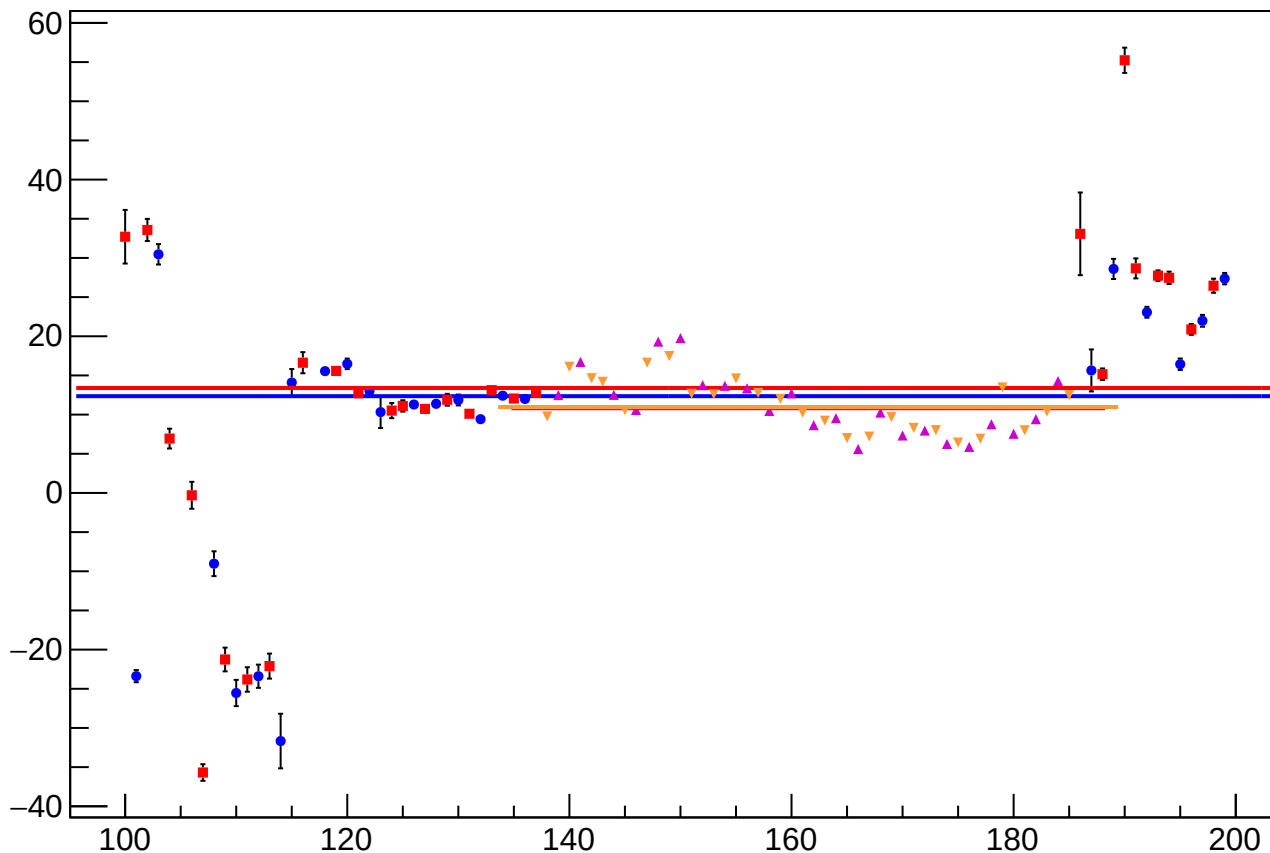
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.885 ± 0.063 χ^2/NDF : 5928.5/47

All: -5.287 ± 0.044 χ^2/NDF : 12857.4/97

- sign -5.684 ± 0.062 χ^2/NDF : 6847.7/49

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.353+/-0.144 χ^2/NDF : 4881.2/22

Left Out: 10.967+/-0.061 χ^2/NDF : 2637.7/24

Right Out: 13.399+/-0.143 χ^2/NDF : 6110.2/26

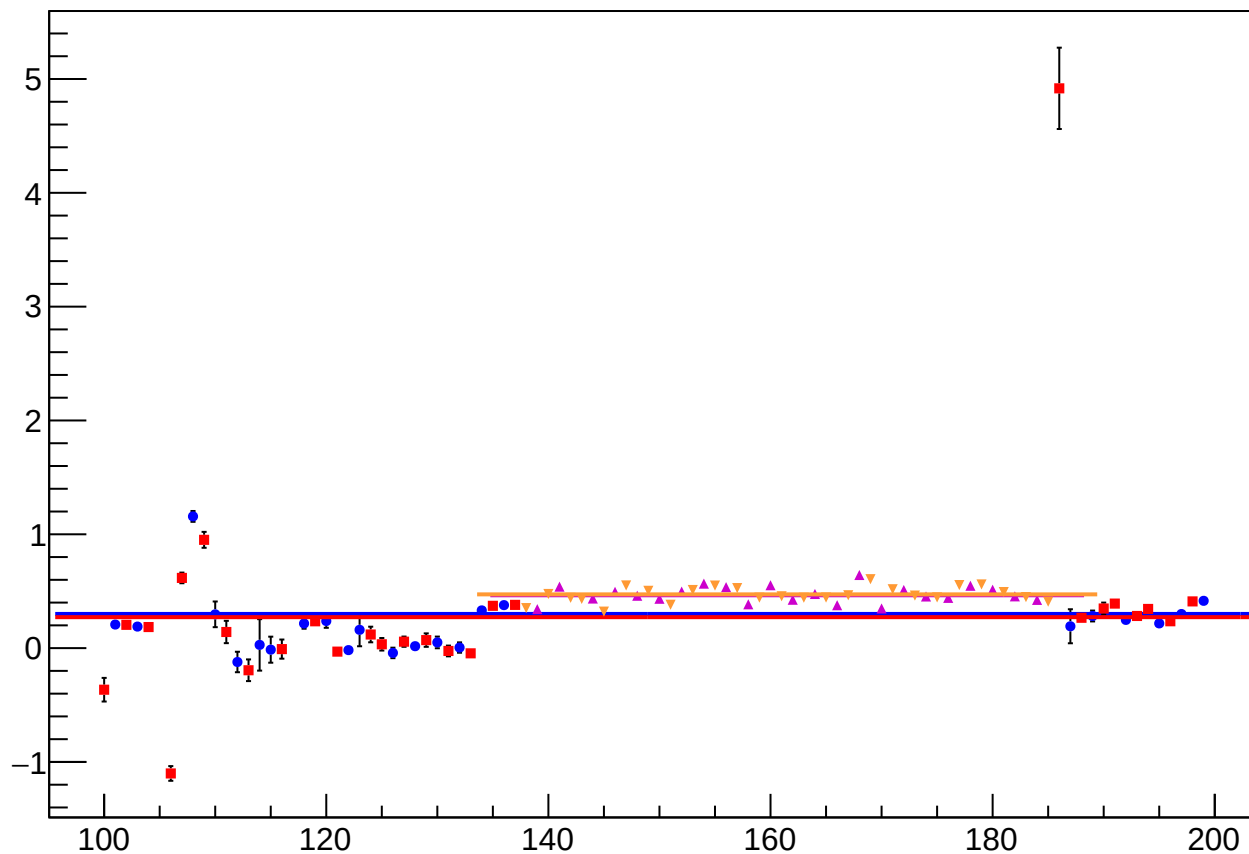
Left In: 10.813+/-0.063 χ^2/NDF : 3546.8/22

+ sign 11.180+/-0.056 χ^2/NDF : 7597.3/47

All: 11.208+/-0.040 χ^2/NDF : 17528.9/97

- sign 11.236+/-0.058 χ^2/NDF : 9931.1/49

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.300 ± 0.007 χ^2/NDF : 698.4/22

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.272 ± 0.007 χ^2/NDF : 1219.3/26

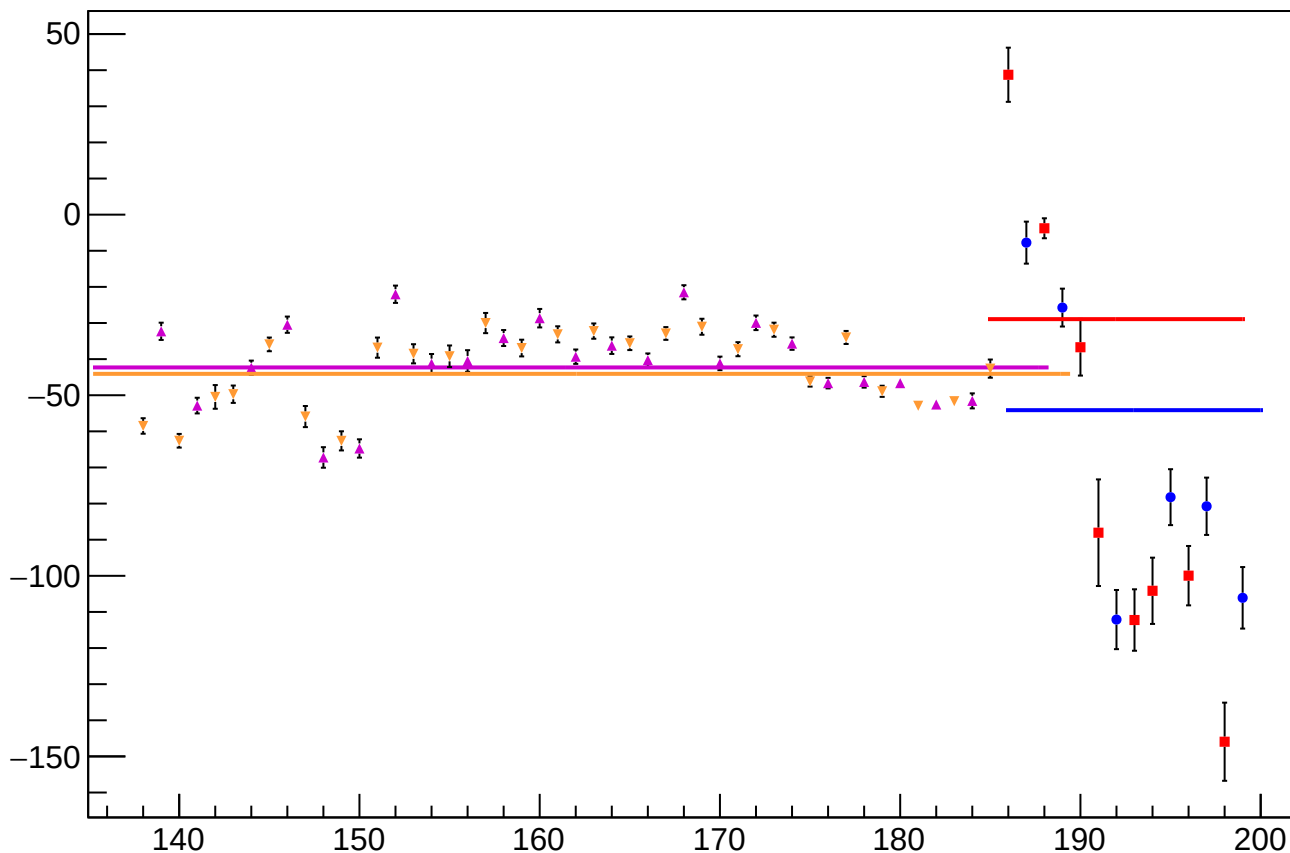
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.446 ± 0.003 χ^2/NDF : 1805.8/47

All: 0.440 ± 0.002 χ^2/NDF : 4508.5/97

- sign 0.434 ± 0.003 χ^2/NDF : 2692.2/49

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -54.134 ± 2.804 χ^2/NDF : 201.2/5

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -28.930 ± 2.140 χ^2/NDF : 535.9/7

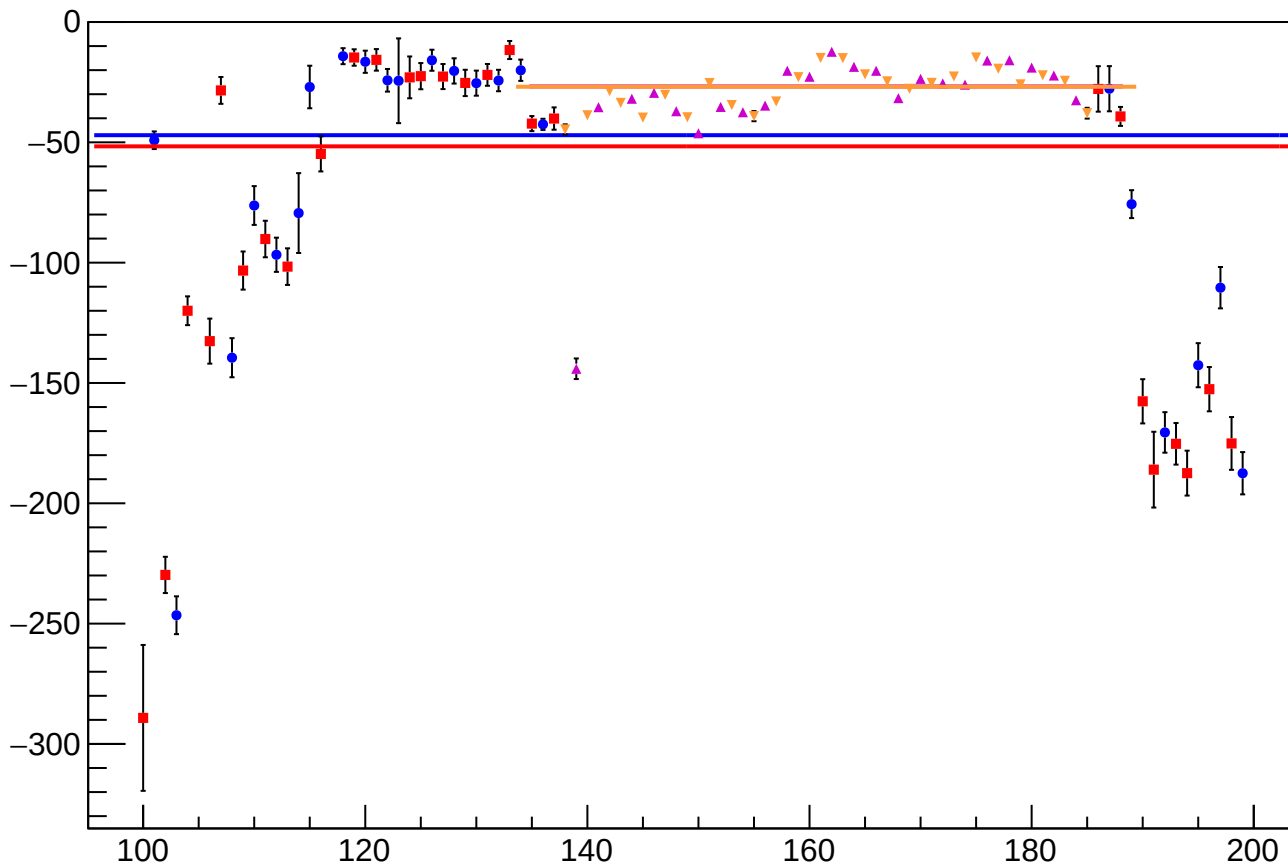
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -44.267 ± 0.385 χ^2/NDF : 846.4/30

All: -43.084 ± 0.275 χ^2/NDF : 2079.9/61

- sign -41.854 ± 0.392 χ^2/NDF : 1214.3/30

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.033 ± 1.085 $\chi^2/\text{NDF}: 1835.0/22$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -51.669 ± 1.106 $\chi^2/\text{NDF}: 2287.1/26$

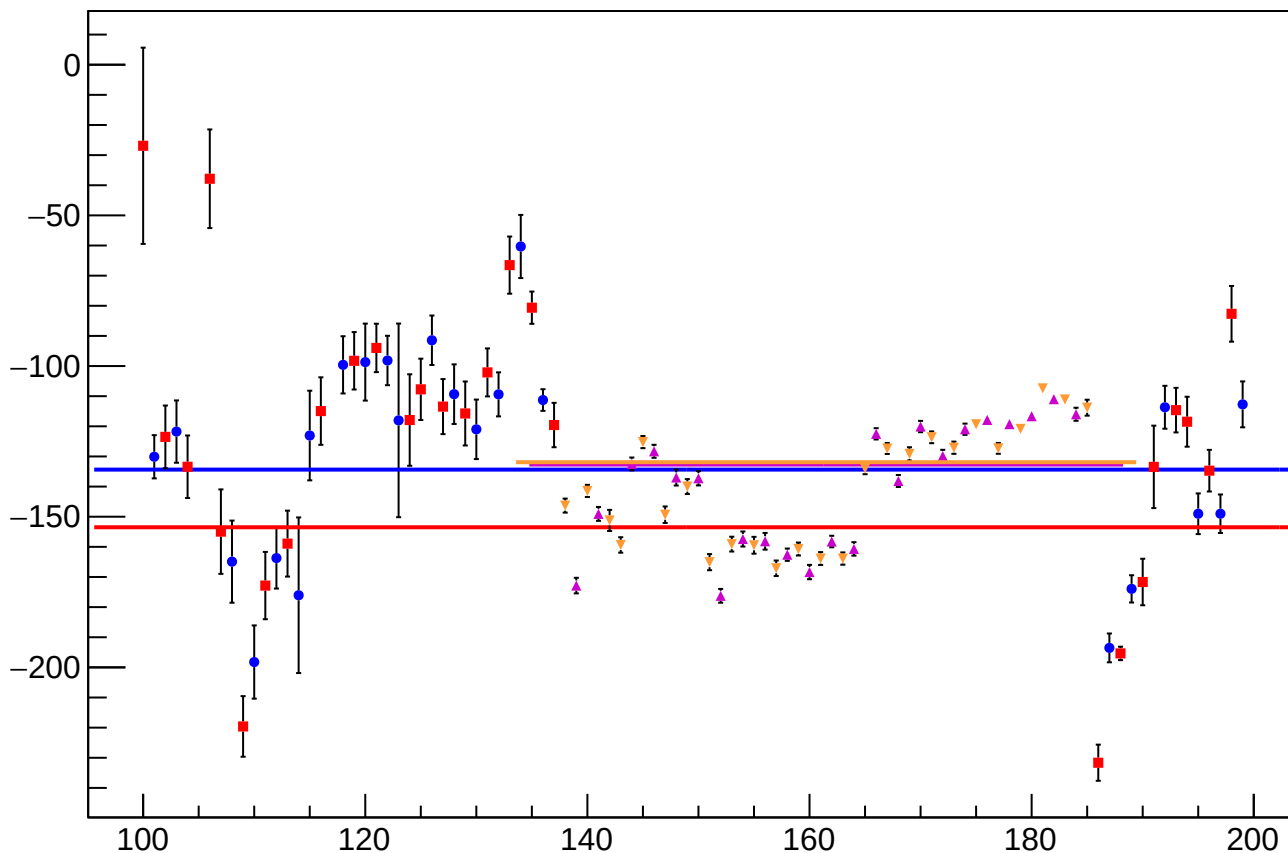
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -28.480 ± 0.304 $\chi^2/\text{NDF}: 2783.5/47$

All: -28.619 ± 0.218 $\chi^2/\text{NDF}: 6931.6/97$

- sign -28.767 ± 0.313 $\chi^2/\text{NDF}: 4147.7/49$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -134.366 ± 1.569 χ^2/NDF : 481.7/22

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -153.499 ± 1.386 χ^2/NDF : 1256.0/26

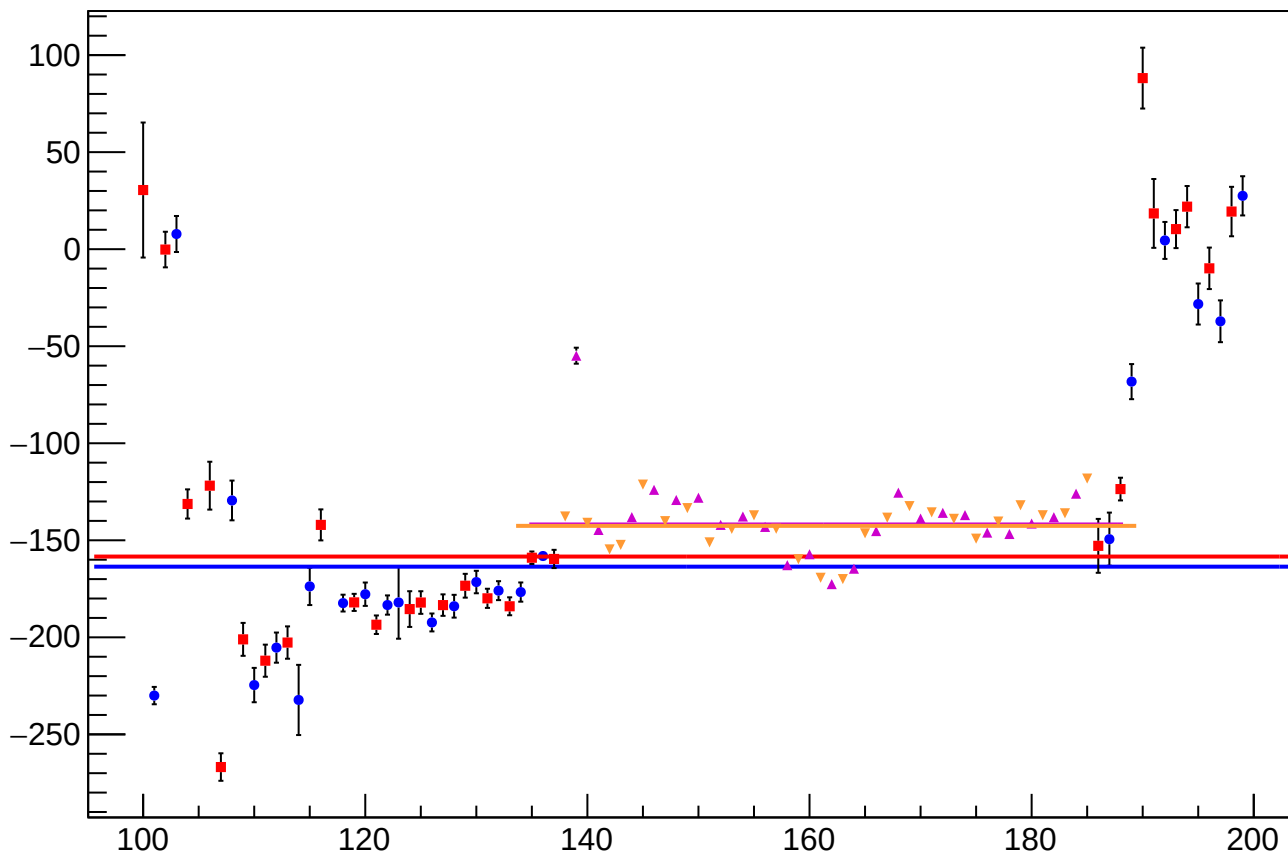
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -132.056 ± 0.380 χ^2/NDF : 2923.3/47

All: -133.160 ± 0.270 χ^2/NDF : 6884.8/97

- sign -134.286 ± 0.384 χ^2/NDF : 3944.4/49

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -163.588 ± 1.224 $\chi^2/\text{NDF}: 1861.1/22$

Left Out: -142.564 ± 0.354 $\chi^2/\text{NDF}: 1147.7/24$

Right Out: -158.380 ± 1.273 $\chi^2/\text{NDF}: 2220.8/26$

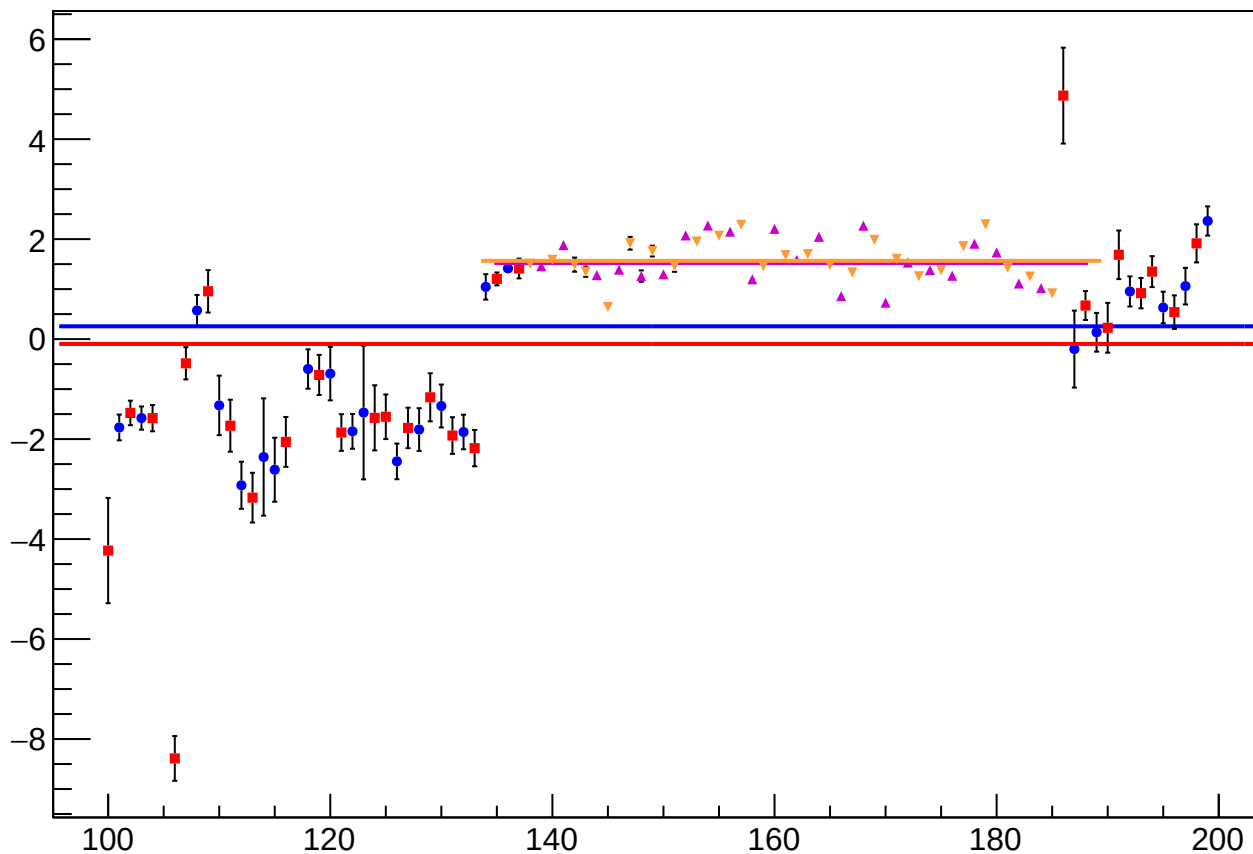
Left In: -141.856 ± 0.364 $\chi^2/\text{NDF}: 1544.3/22$

+ sign -144.187 ± 0.340 $\chi^2/\text{NDF}: 3281.0/47$

All: -143.661 ± 0.244 $\chi^2/\text{NDF}: 7206.9/97$

- sign -143.104 ± 0.350 $\chi^2/\text{NDF}: 3920.9/49$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.256 ± 0.061 χ^2/NDF : 596.7/22

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: -0.097 ± 0.063 χ^2/NDF : 887.3/26

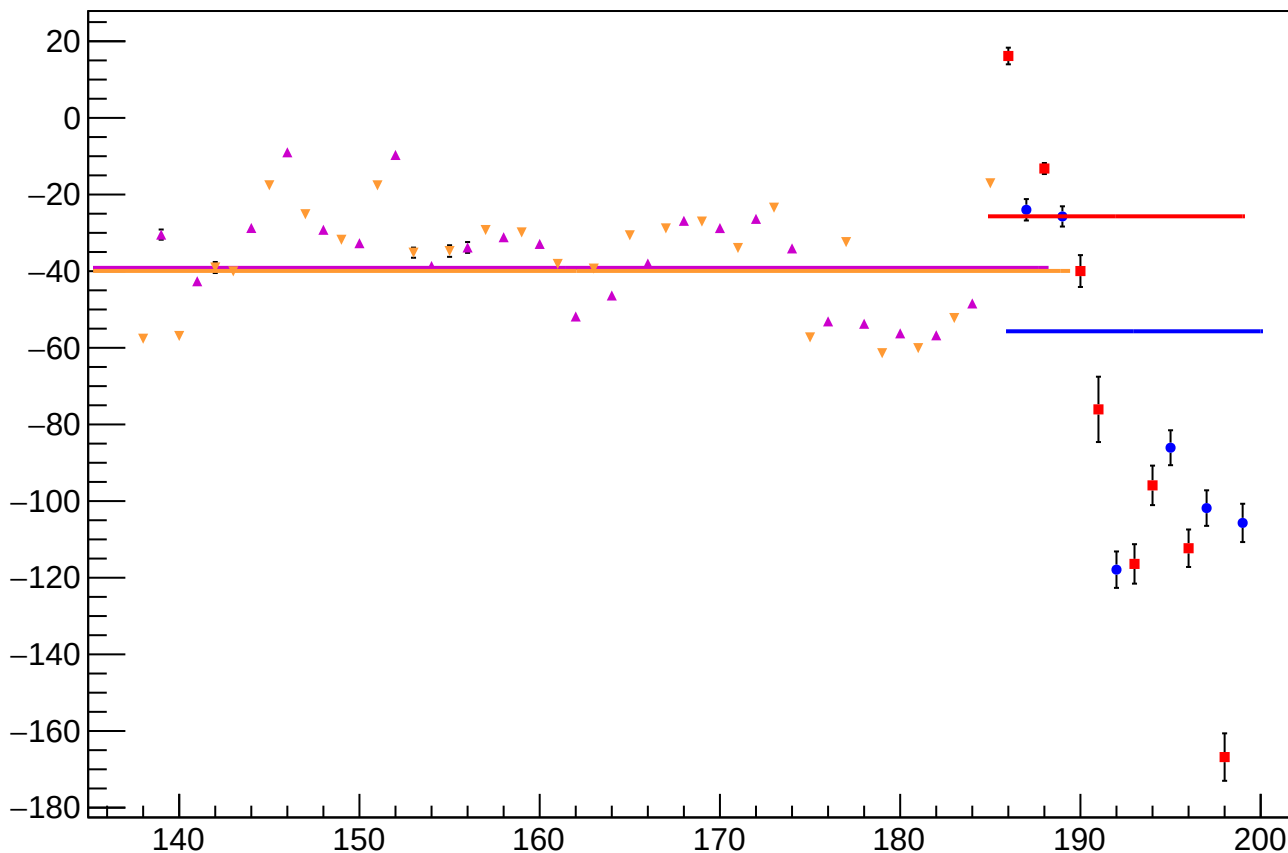
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.480 ± 0.016 χ^2/NDF : 1572.5/47

All: 1.449 ± 0.011 χ^2/NDF : 3830.4/97

- sign 1.418 ± 0.016 χ^2/NDF : 2250.2/49

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -55.687 ± 1.490 χ^2/NDF : 672.4/5

Left Out: -39.935 ± 0.153 χ^2/NDF : 9806.5/24

Right Out: -25.686 ± 1.049 χ^2/NDF : 1821.9/7

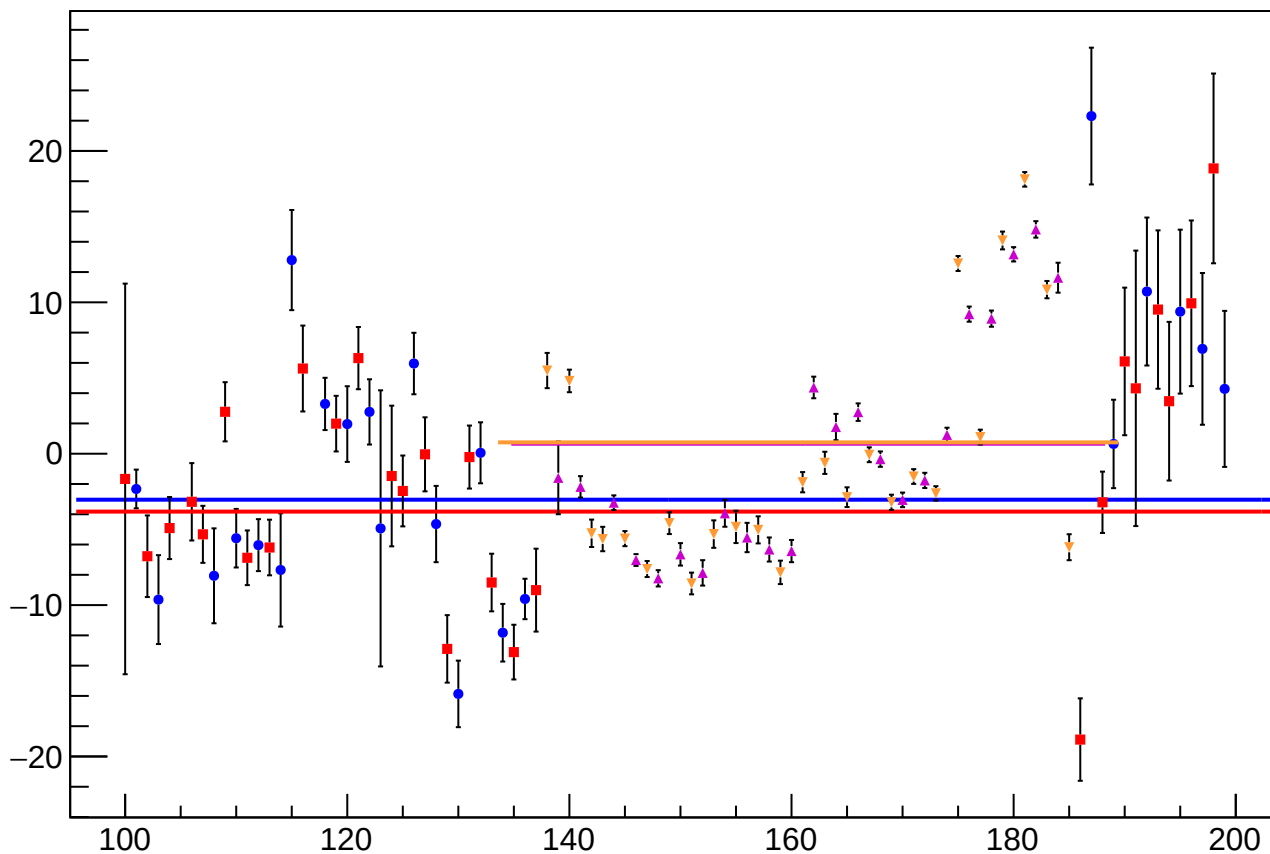
Left In: -39.137 ± 0.155 χ^2/NDF : 8534.5/22

+ sign -40.100 ± 0.152 χ^2/NDF : 10589.5/30

All: -39.478 ± 0.108 χ^2/NDF : 21140.3/61

- sign -38.851 ± 0.153 χ^2/NDF : 10517.4/30

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.038 ± 0.480 $\chi^2/\text{NDF}: 216.0/22$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.824 ± 0.474 $\chi^2/\text{NDF}: 185.6/26$

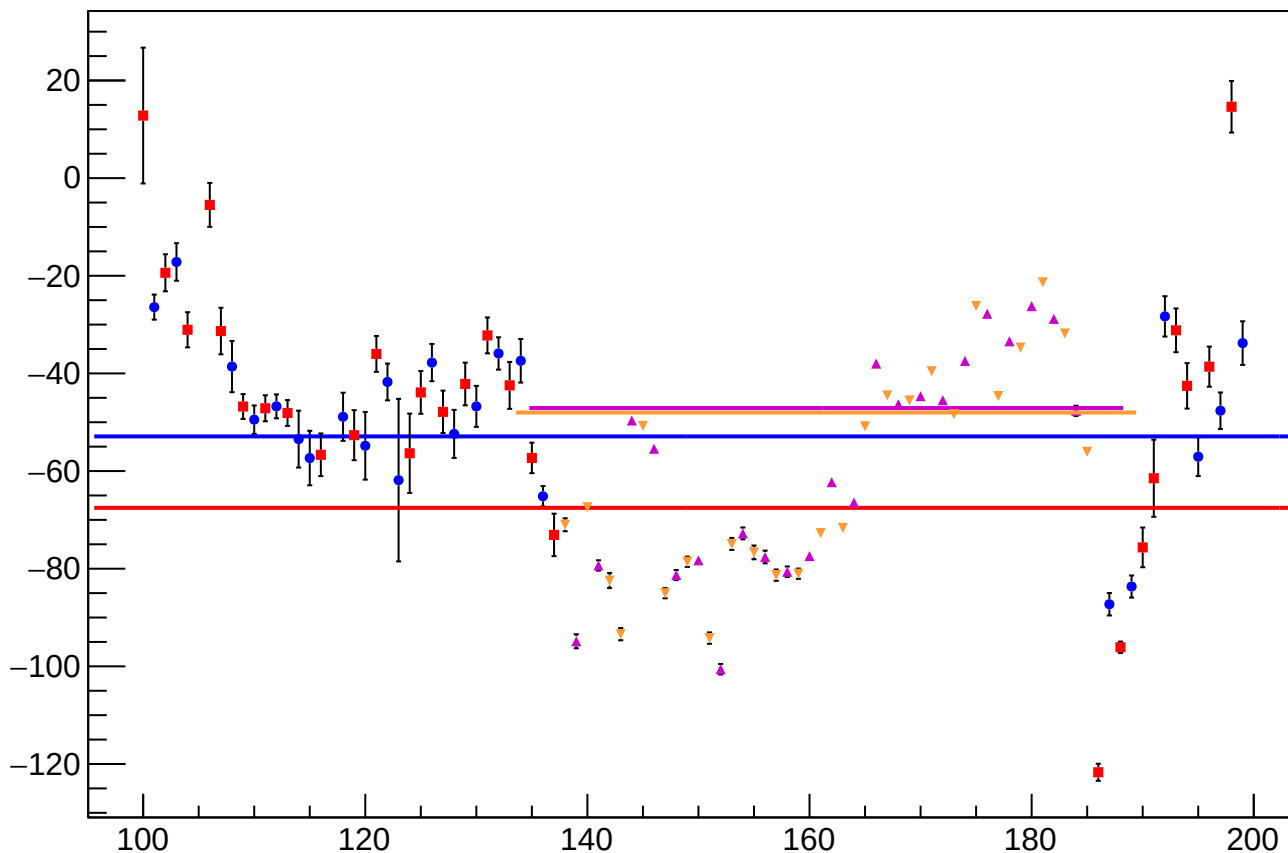
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.512 ± 0.120 $\chi^2/\text{NDF}: 4245.0/47$

All: 0.442 ± 0.085 $\chi^2/\text{NDF}: 7852.7/97$

- sign 0.372 ± 0.120 $\chi^2/\text{NDF}: 3607.0/49$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -52.900 ± 0.725 χ^2/NDF : 774.1/22

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -67.533 ± 0.616 χ^2/NDF : 2990.5/26

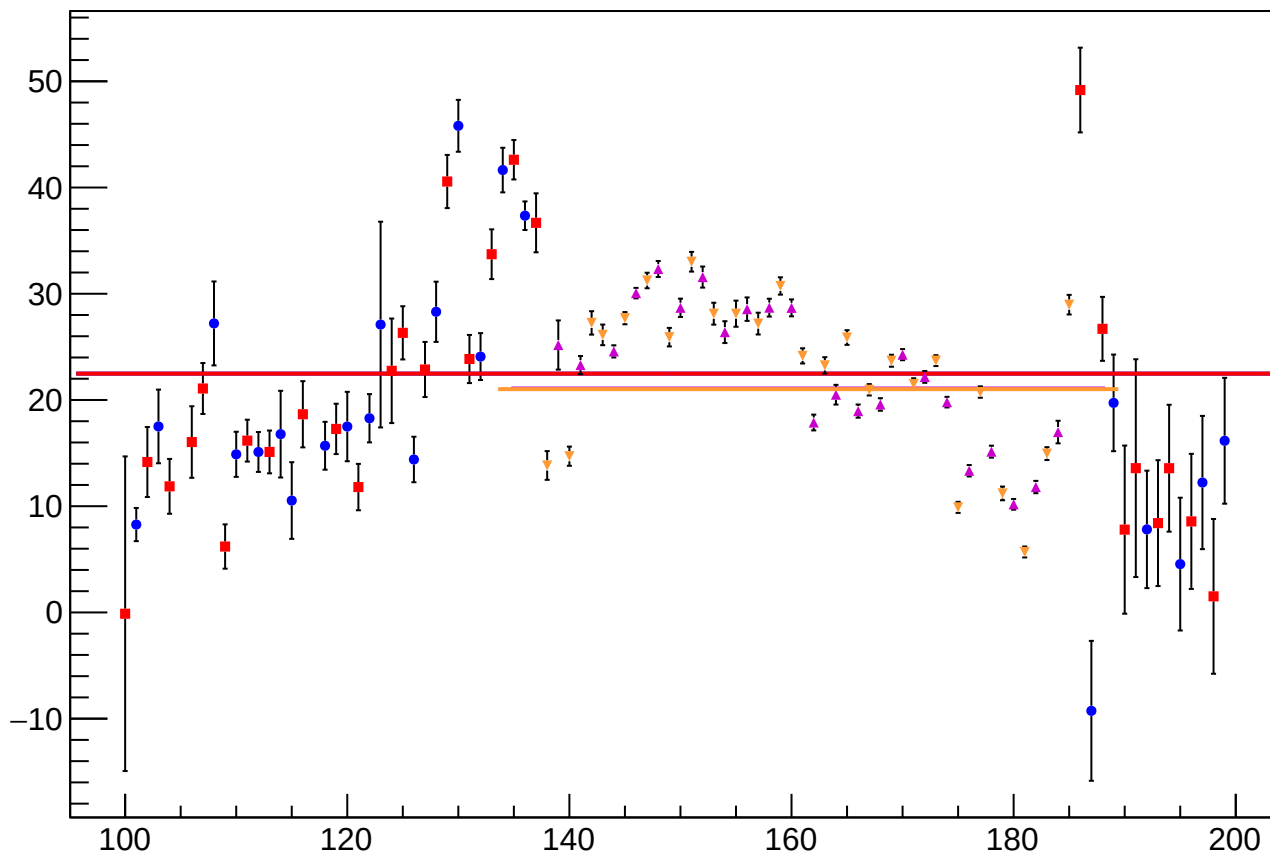
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.221 ± 0.151 χ^2/NDF : 17767.7/47

All: -48.264 ± 0.107 χ^2/NDF : 37308.8/97

- sign -48.307 ± 0.151 χ^2/NDF : 19541.0/49

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.482 $\pm$ 0.544 χ^2 /NDF: 501.2/22

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF: 2799.3/24

Right Out: 22.480 $\pm$ 0.547 χ^2 /NDF: 438.3/26

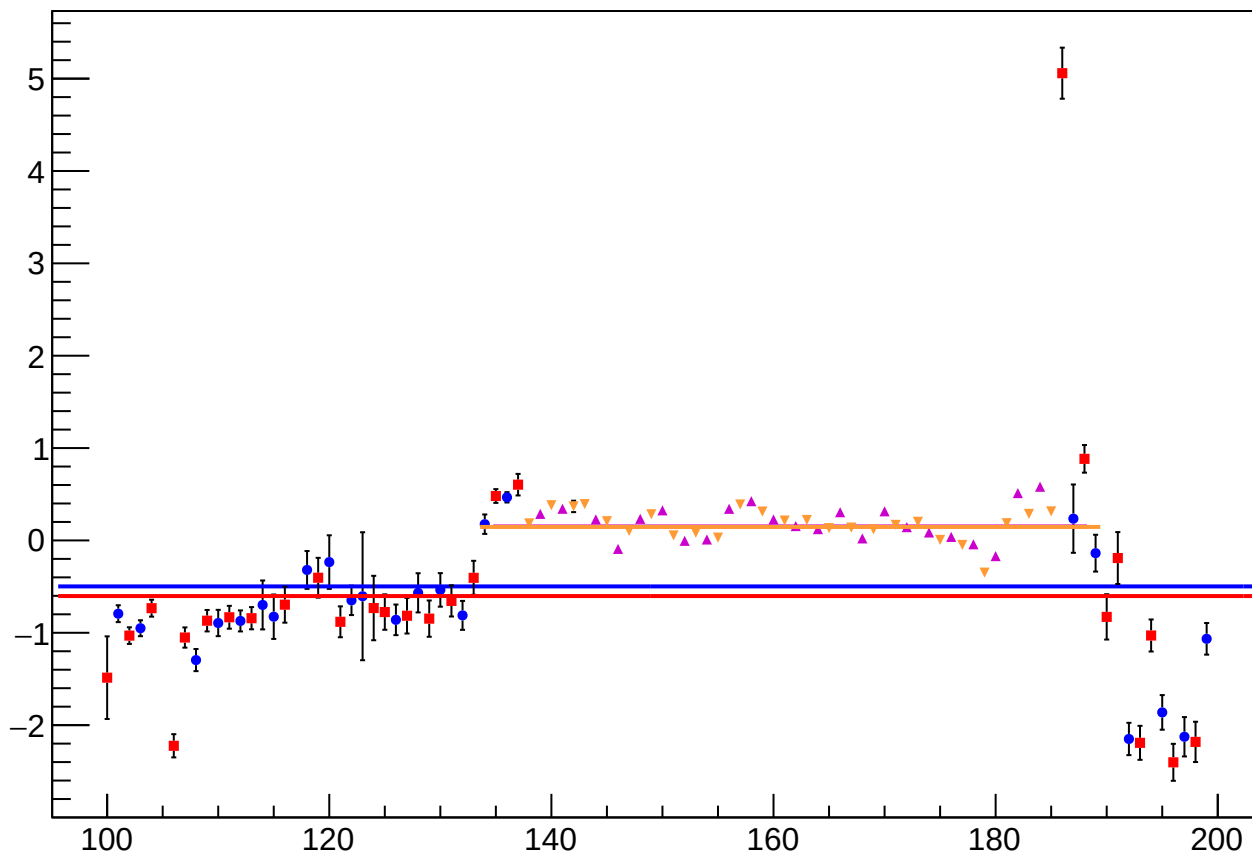
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF: 2173.2/22

+ sign 21.109 $\pm$ 0.135 χ^2 /NDF: 3307.2/47

All: 21.137 $\pm$ 0.095 χ^2 /NDF: 5924.9/97

- sign 21.164 $\pm$ 0.135 χ^2 /NDF: 2617.6/49

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.028 χ^2/NDF : 672.6/22

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.602 ± 0.028 χ^2/NDF : 1286.4/26

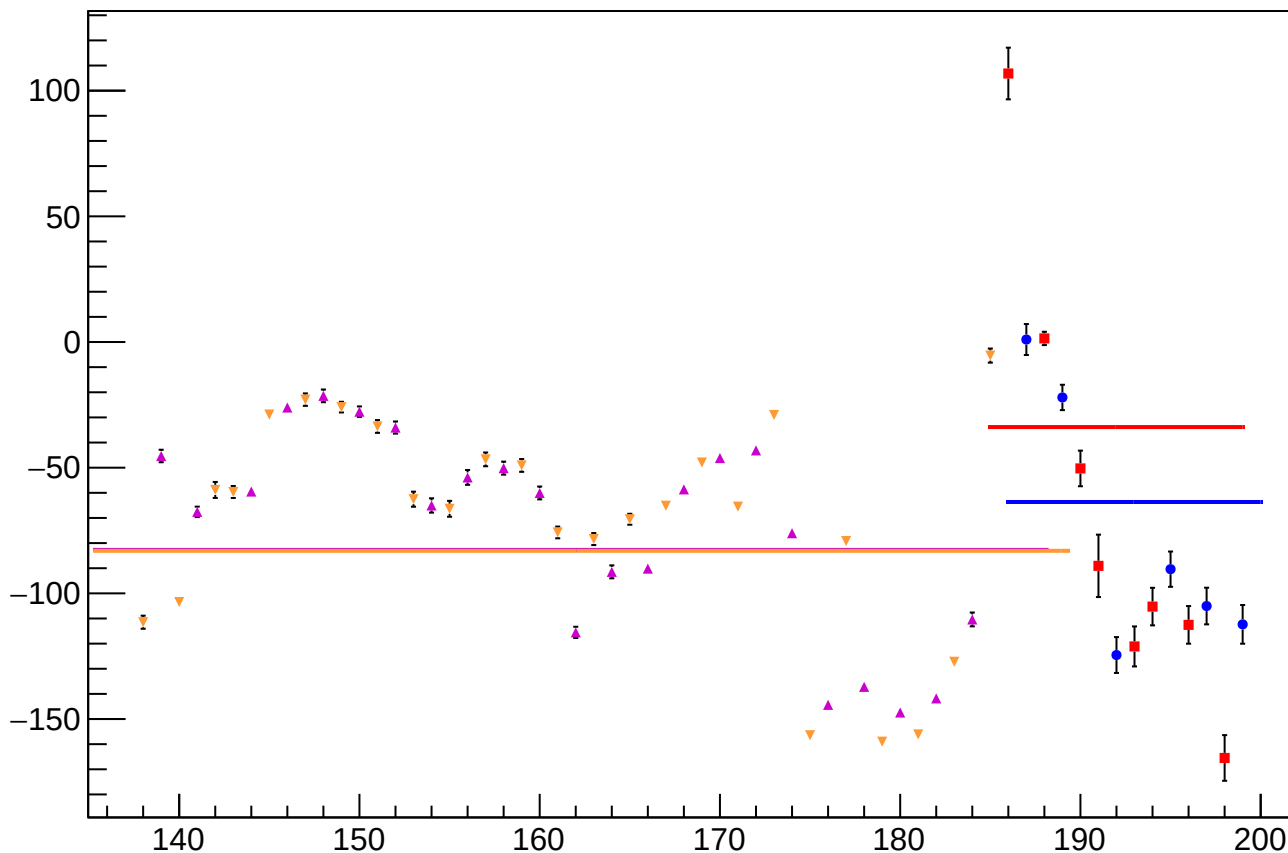
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.115 ± 0.006 χ^2/NDF : 1776.4/47

All: 0.114 ± 0.004 χ^2/NDF : 4627.4/97

- sign 0.113 ± 0.006 χ^2/NDF : 2851.0/49

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -63.648 ± 2.661 χ^2/NDF : 337.5/5

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -33.831 ± 2.035 χ^2/NDF : 920.9/7

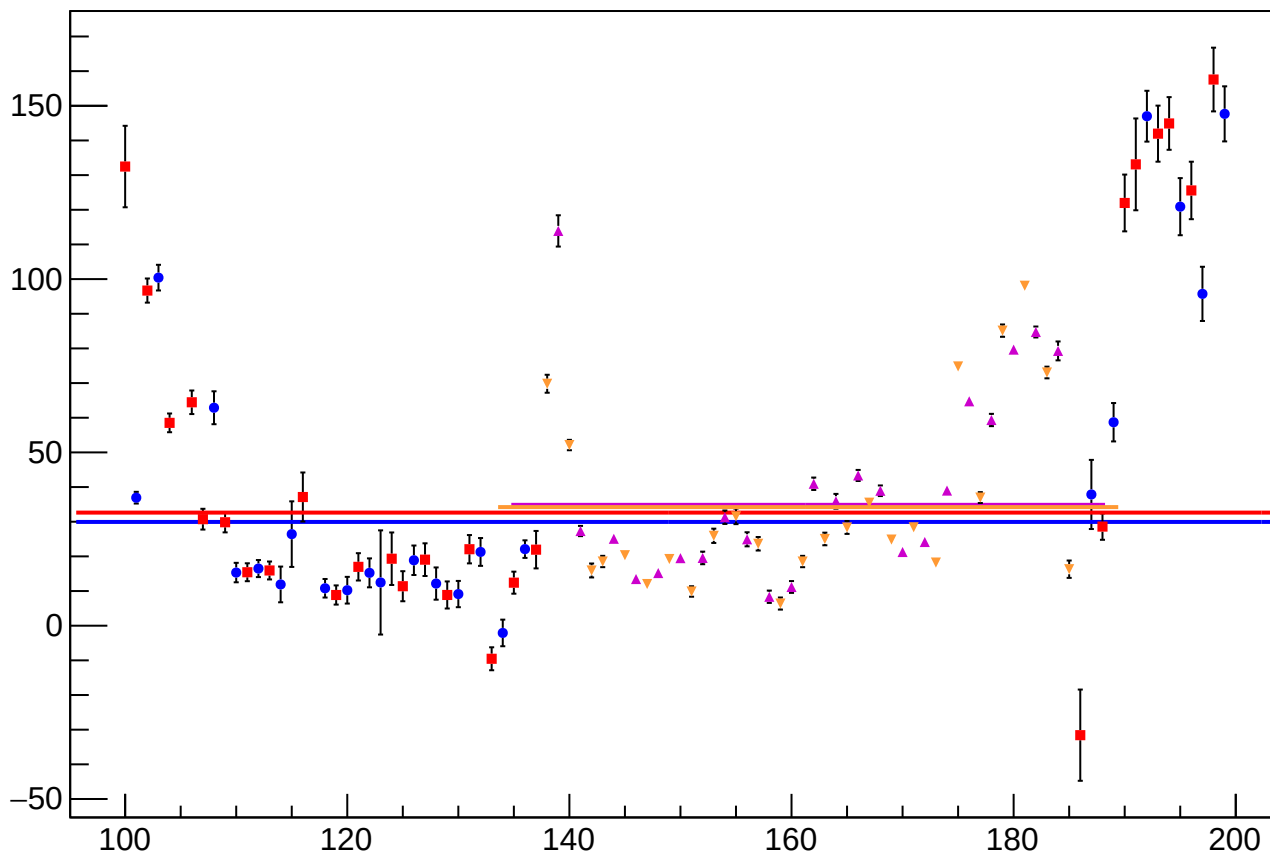
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -82.626 ± 0.402 χ^2/NDF : 14206.9/30

All: -81.703 ± 0.286 χ^2/NDF : 26533.9/61

- sign -80.757 ± 0.407 χ^2/NDF : 12316.4/30

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.938+/-0.780 χ^2/NDF : 1417.5/22

Left Out: 34.219+/-0.320 χ^2/NDF : 6192.6/24

Right Out: 32.631+/-0.773 χ^2/NDF : 1965.4/26

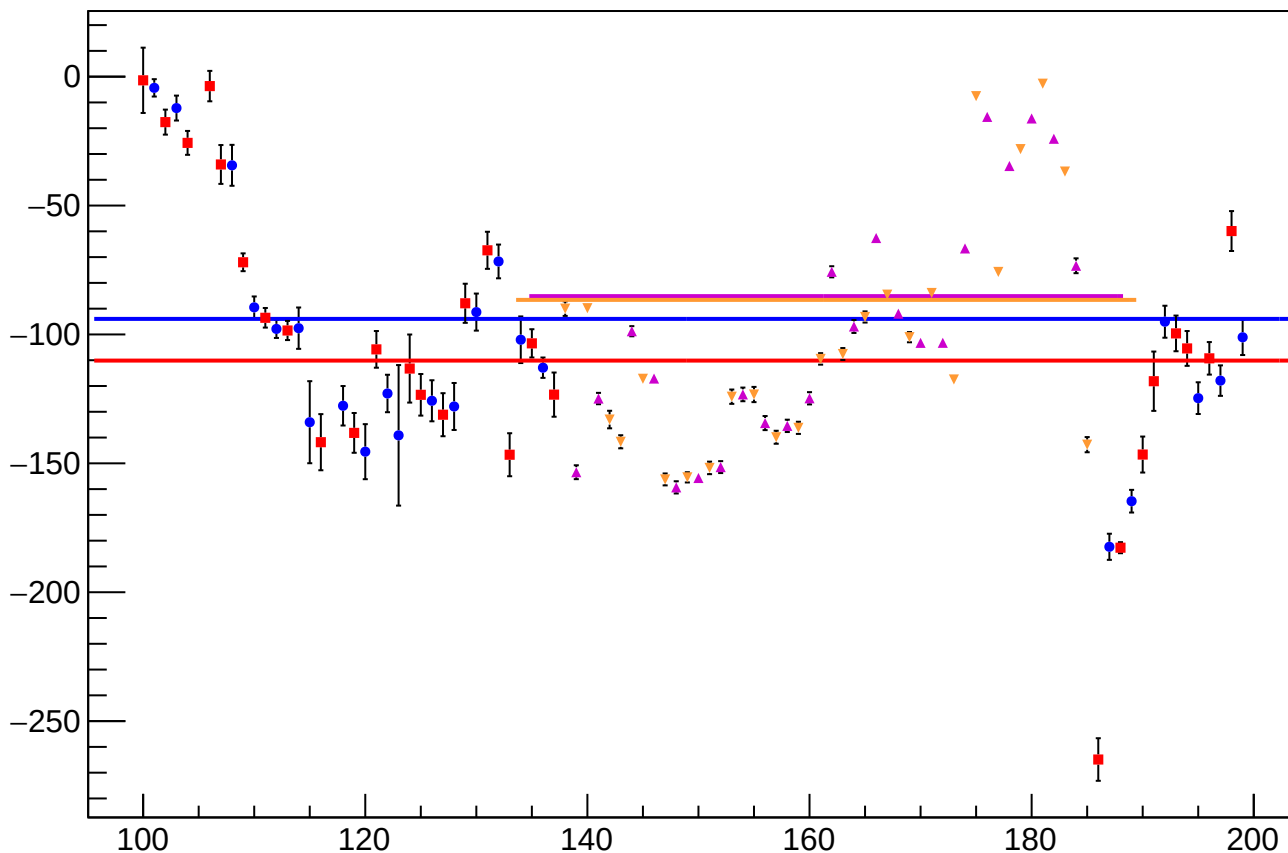
Left In: 34.870+/-0.329 χ^2/NDF : 4716.1/22

+ sign 33.602+/-0.296 χ^2/NDF : 7635.9/47

All: 34.054+/-0.212 χ^2/NDF : 14329.3/97

- sign 34.526+/-0.303 χ^2/NDF : 6688.7/49

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -93.969 ± 1.204 χ^2/NDF : 1791.3/22

Left Out: -86.595 ± 0.408 χ^2/NDF : 14515.7/24

Right Out: -110.139 ± 1.060 χ^2/NDF : 3015.6/26

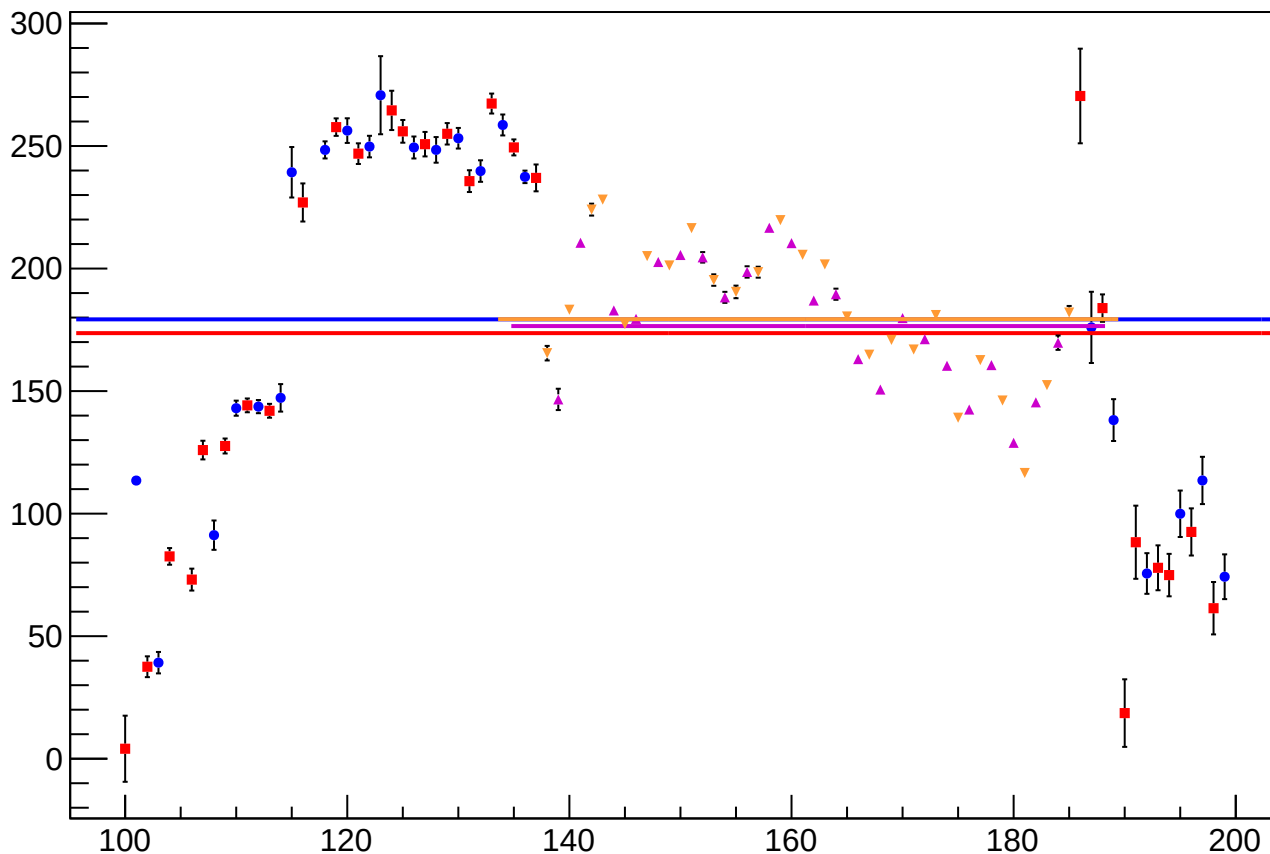
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -87.356 ± 0.387 χ^2/NDF : 16340.6/47

All: -87.908 ± 0.273 χ^2/NDF : 32684.2/97

- sign -88.459 ± 0.386 χ^2/NDF : 16339.5/49

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 179.270 ± 0.895 $\chi^2/\text{NDF}: 5767.0/22$

Left Out: 179.359 ± 0.362 $\chi^2/\text{NDF}: 5982.2/24$

Right Out: 173.651 ± 0.892 $\chi^2/\text{NDF}: 6965.5/26$

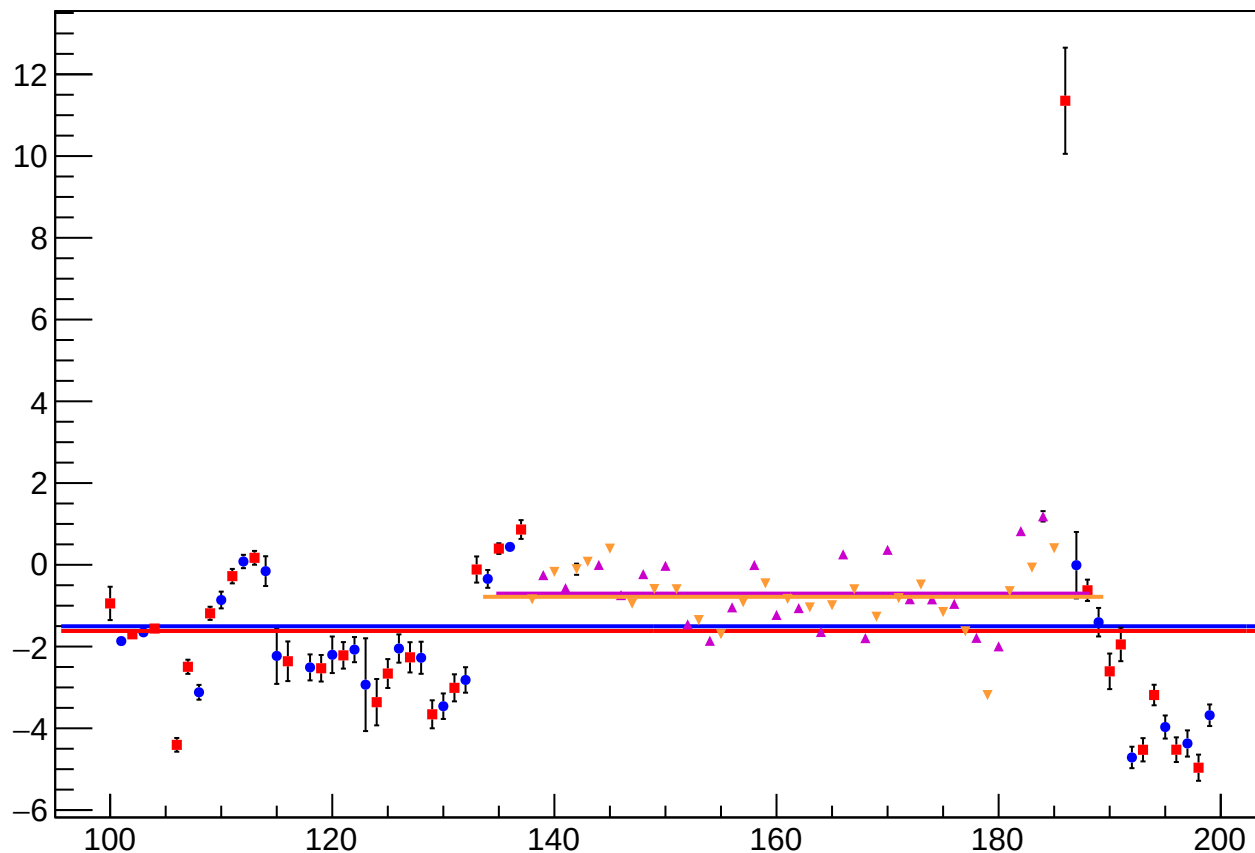
Left In: 176.531 ± 0.371 $\chi^2/\text{NDF}: 4426.0/22$

+ sign 179.347 ± 0.335 $\chi^2/\text{NDF}: 11749.2/47$

All: 177.760 ± 0.240 $\chi^2/\text{NDF}: 23195.2/97$

- sign 176.106 ± 0.342 $\chi^2/\text{NDF}: 11400.3/49$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.504 ± 0.045 $\chi^2/\text{NDF}: 1038.9/22$

Left Out: -0.783 ± 0.017 $\chi^2/\text{NDF}: 1771.6/24$

Right Out: -1.619 ± 0.043 $\chi^2/\text{NDF}: 1409.7/26$

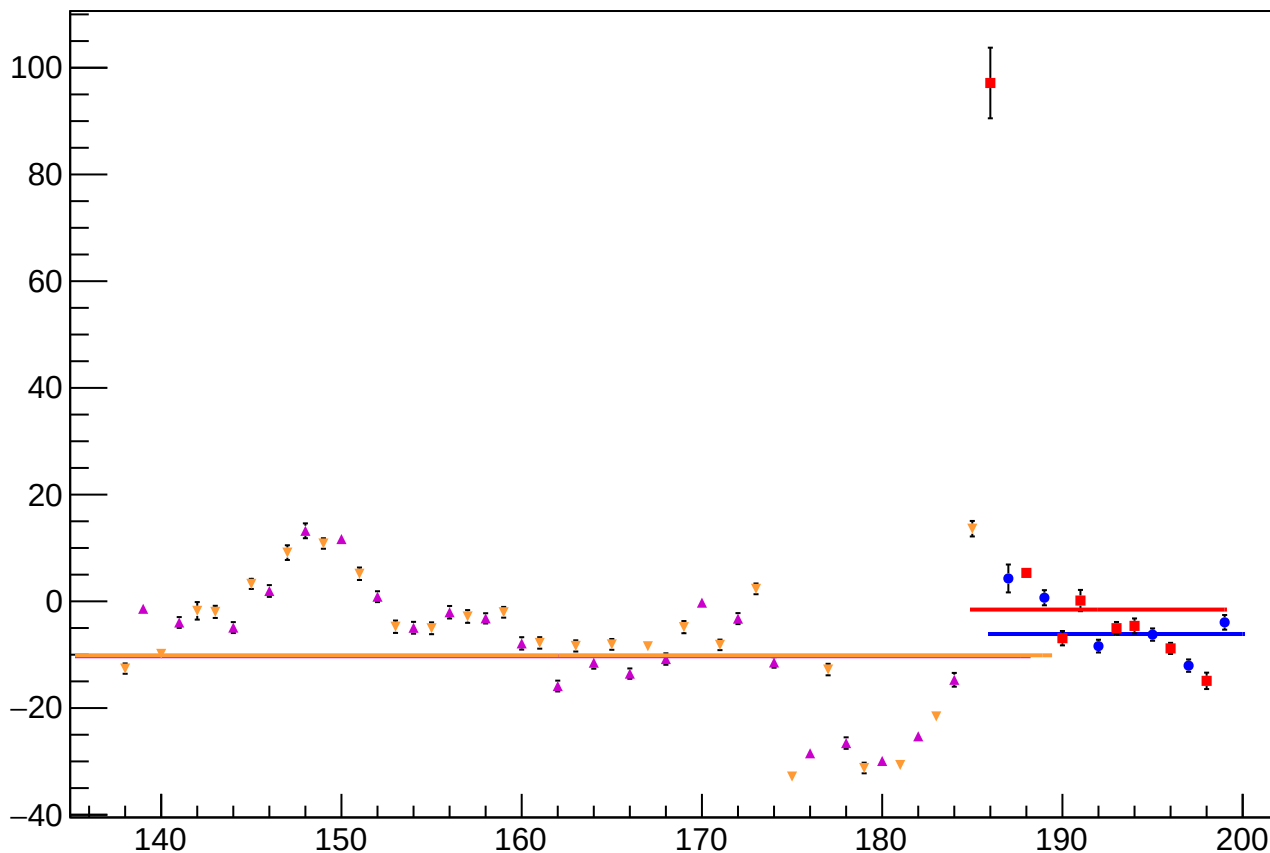
Left In: -0.705 ± 0.017 $\chi^2/\text{NDF}: 2407.7/22$

+ sign -0.869 ± 0.016 $\chi^2/\text{NDF}: 3035.0/47$

All: -0.849 ± 0.011 $\chi^2/\text{NDF}: 7253.4/97$

- sign -0.829 ± 0.016 $\chi^2/\text{NDF}: 4215.2/49$

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -6.123 ± 0.546 χ^2/NDF : 71.0/5

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.546 ± 0.413 χ^2/NDF : 492.3/7

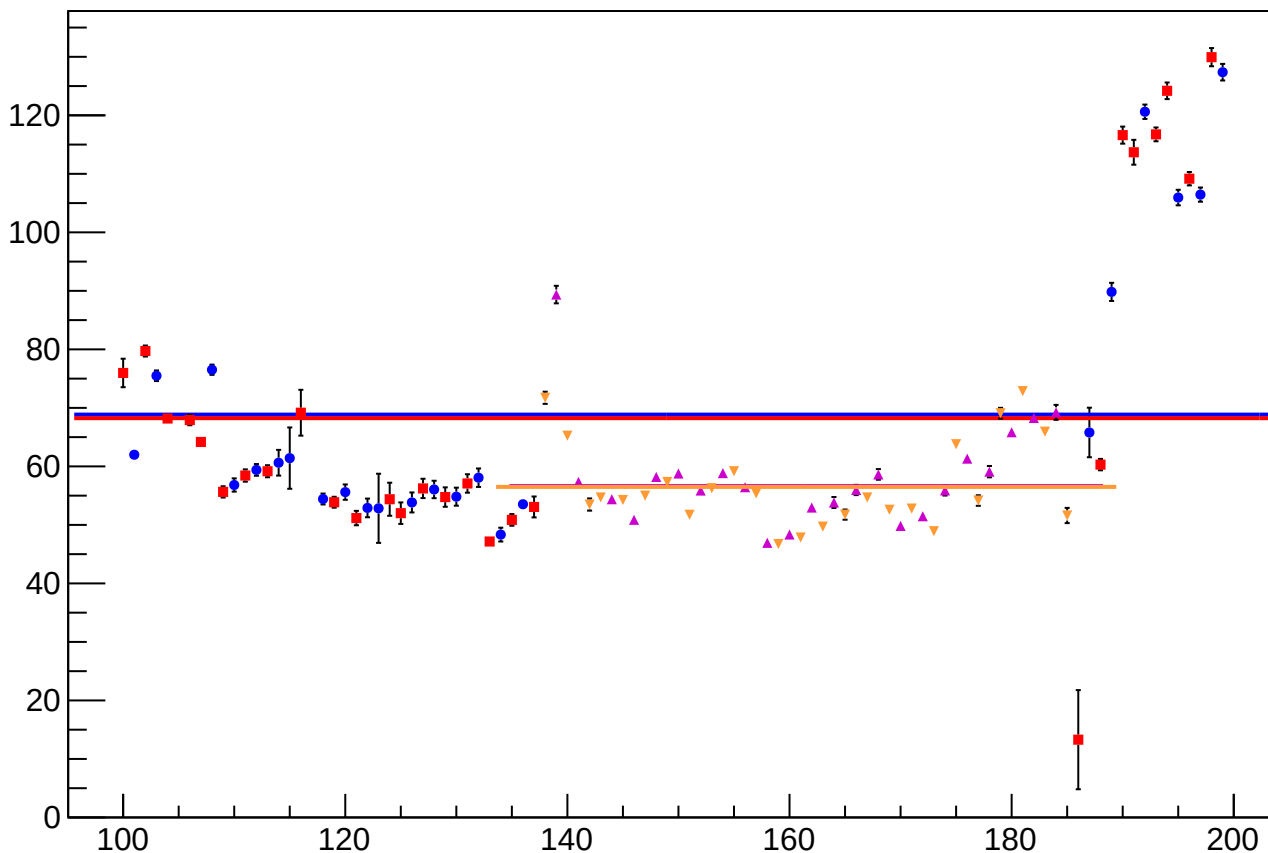
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -9.638 ± 0.189 χ^2/NDF : 4256.3/30

All: -9.082 ± 0.132 χ^2/NDF : 8576.2/61

- sign -8.555 ± 0.184 χ^2/NDF : 4303.0/30

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 68.850 $\pm$ 0.240 χ^2 /NDF: 7307.2/22

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF:1968.0/24

Right Out: 68.238 $\pm$ 0.221 χ^2 /NDF: 10357.2/26

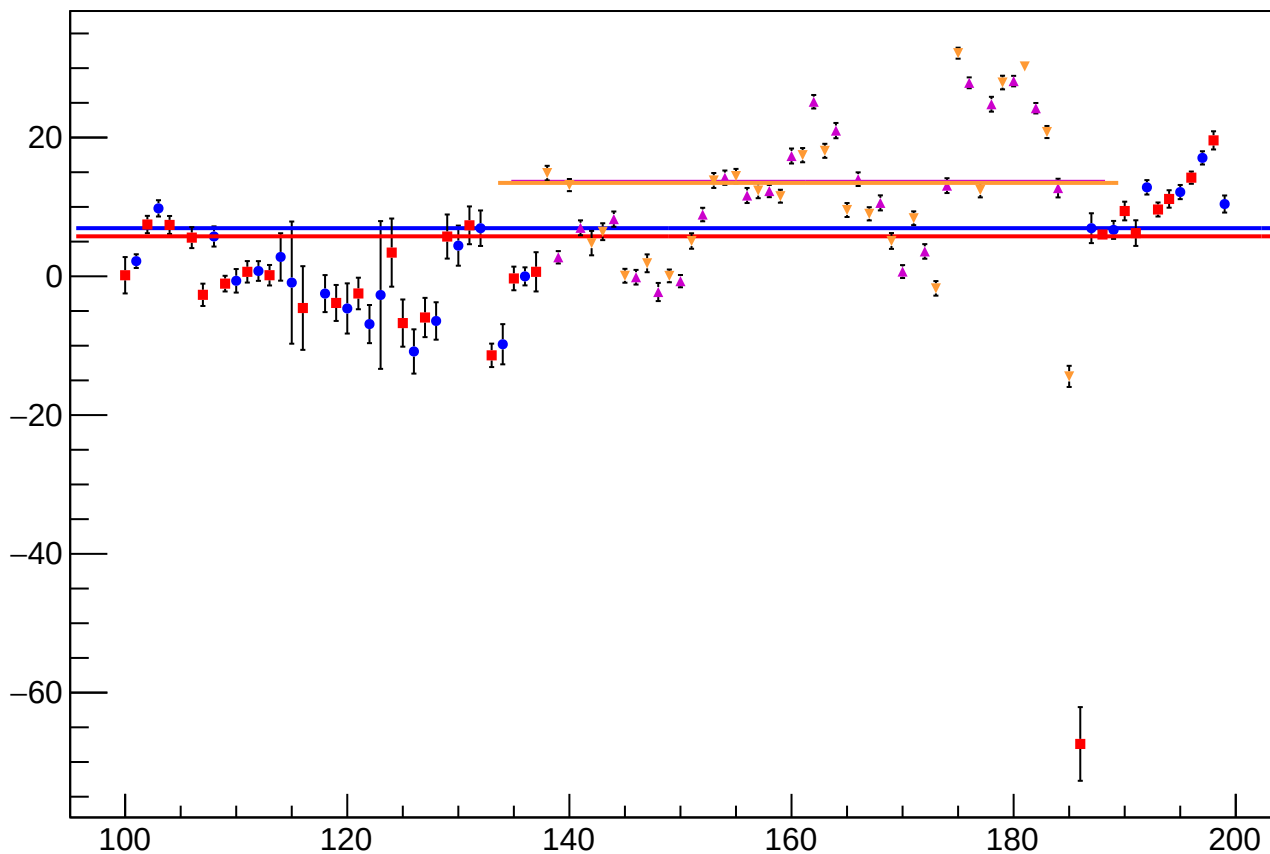
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 60.252 $\pm$ 0.133 χ^2 /NDF: 11113.4/47

All: 60.519 $\pm$ 0.094 χ^2 /NDF: 24852.3/97

- sign 60.785 $\pm$ 0.132 χ^2 /NDF: 13730.9/49

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.938 ± 0.330 $\chi^2/\text{NDF}: 415.9/22$

Left Out: 13.462 ± 0.202 $\chi^2/\text{NDF}: 2736.3/24$

Right Out: 5.762 ± 0.271 $\chi^2/\text{NDF}: 710.8/26$

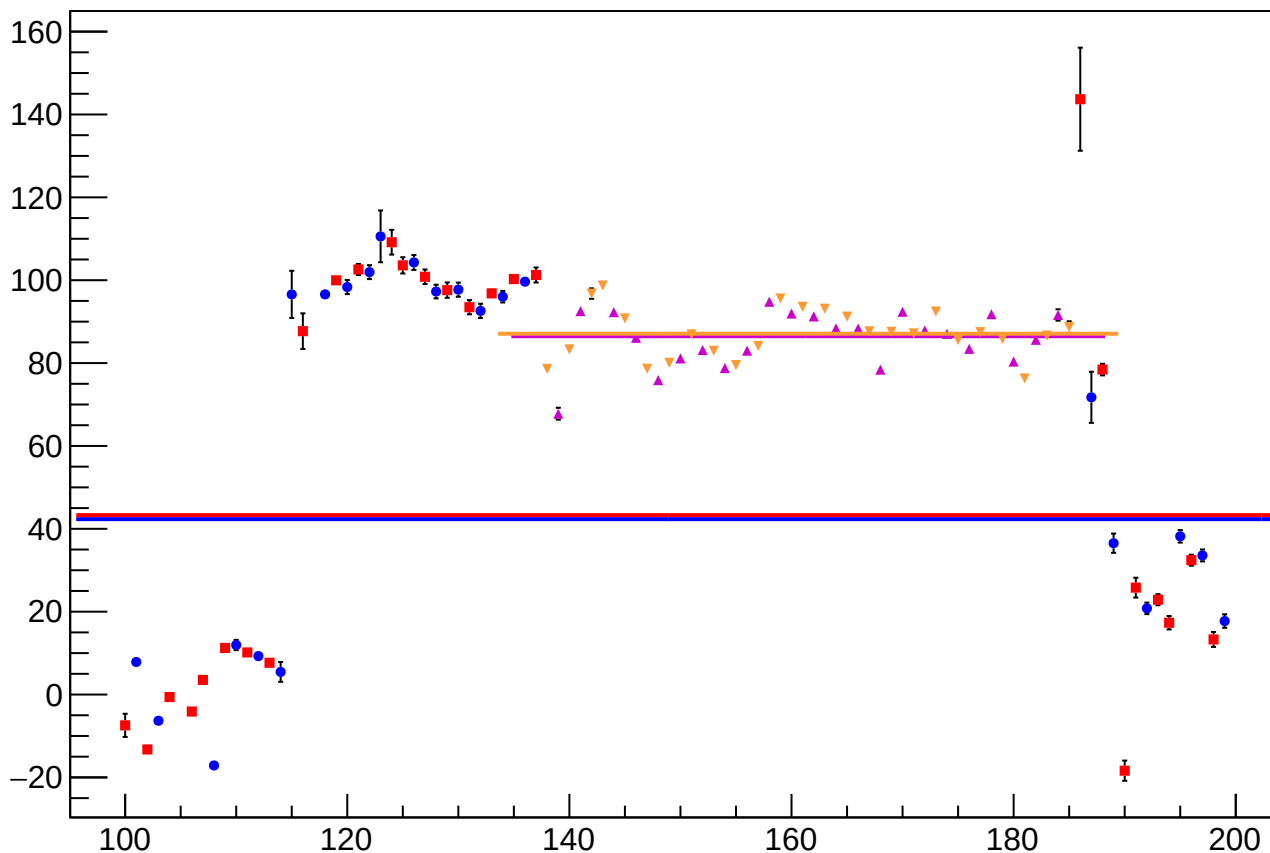
Left In: 13.620 ± 0.204 $\chi^2/\text{NDF}: 2315.4/22$

+ sign 11.690 ± 0.172 $\chi^2/\text{NDF}: 3437.0/47$

All: 11.207 ± 0.118 $\chi^2/\text{NDF}: 7013.4/97$

- sign 10.772 ± 0.163 $\chi^2/\text{NDF}: 3561.5/49$

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 42.330 $\pm$ 0.280 χ^2 /NDF: 25308.0/22

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 43.309 $\pm$ 0.262 χ^2 /NDF: 30523.1/26

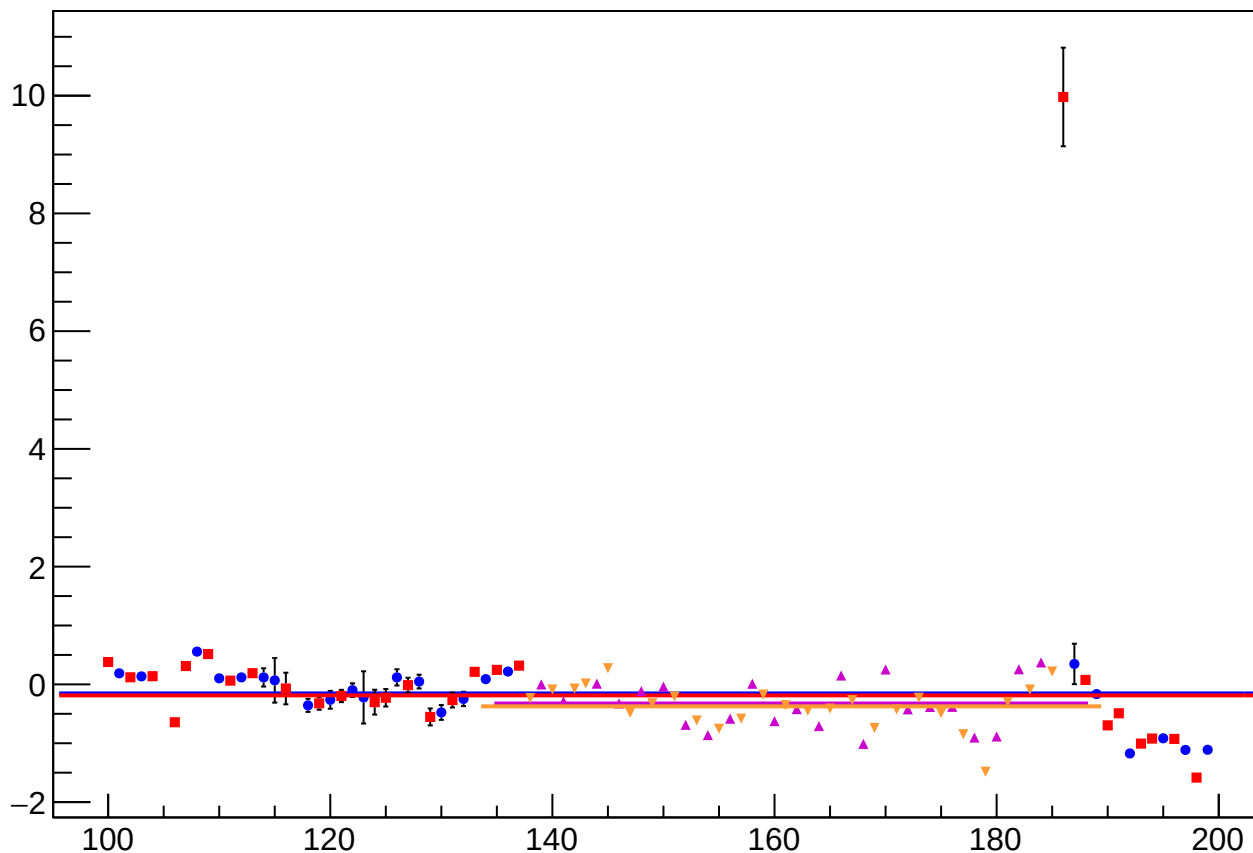
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 74.083 $\pm$ 0.151 χ^2 /NDF: 44542.1/47

All: 73.112 $\pm$ 0.107 χ^2 /NDF: 94318.3/97

- sign 72.141 $\pm$ 0.151 χ^2 /NDF: 49693.3/49

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.154 $\pm$ 0.012 χ^2/NDF : 2546.5/22

Left Out: -0.373 $\pm$ 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.187 $\pm$ 0.011 χ^2/NDF : 2898.9/26

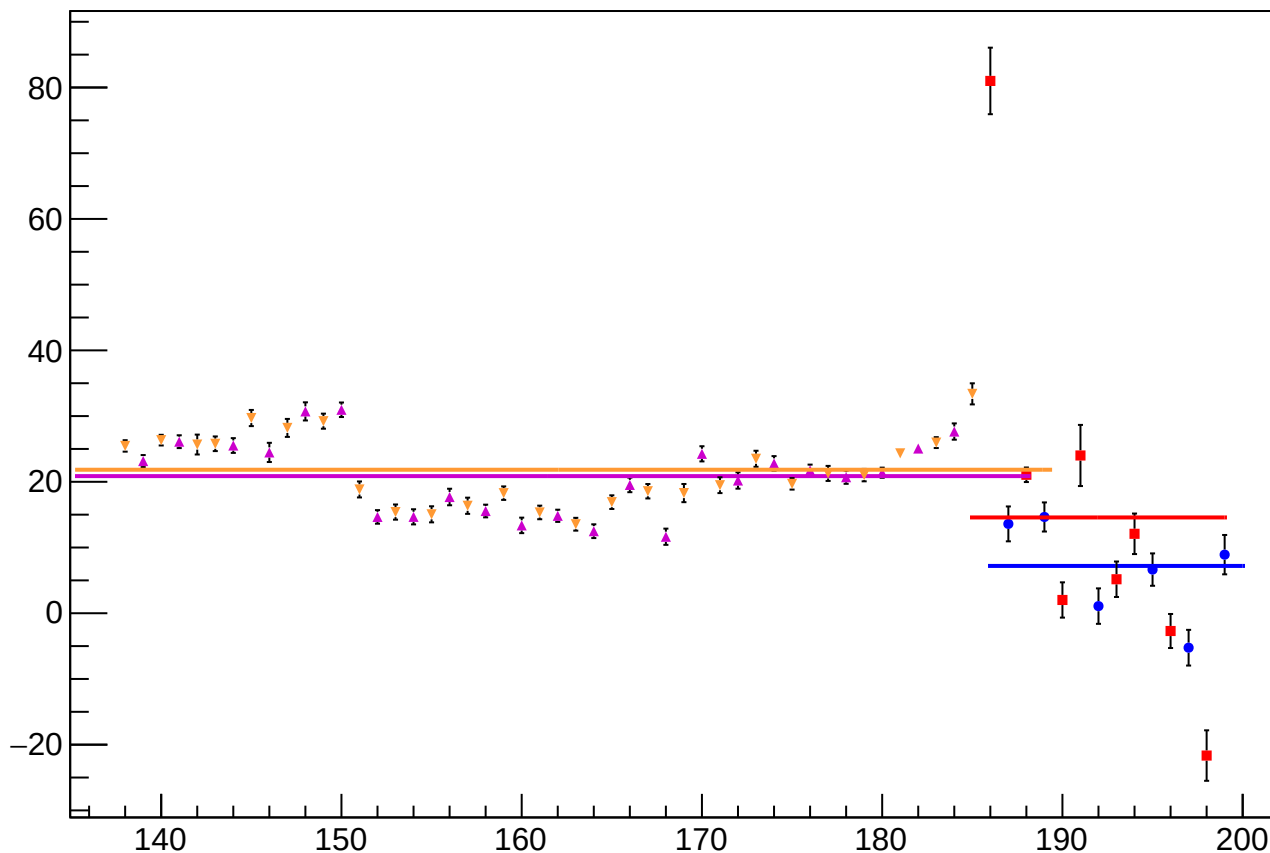
Left In: -0.325 $\pm$ 0.008 χ^2/NDF : 2284.1/22

+ sign -0.303 $\pm$ 0.007 χ^2/NDF : 4449.5/47

All: -0.288 $\pm$ 0.005 χ^2/NDF : 9744.9/97

- sign -0.275 $\pm$ 0.007 χ^2/NDF : 5286.4/49

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 7.199 ± 1.057 $\chi^2/\text{NDF}: 43.6/5$

Left Out: 21.836 ± 0.210 $\chi^2/\text{NDF}: 524.3/24$

Right Out: 14.576 ± 0.817 $\chi^2/\text{NDF}: 378.9/7$

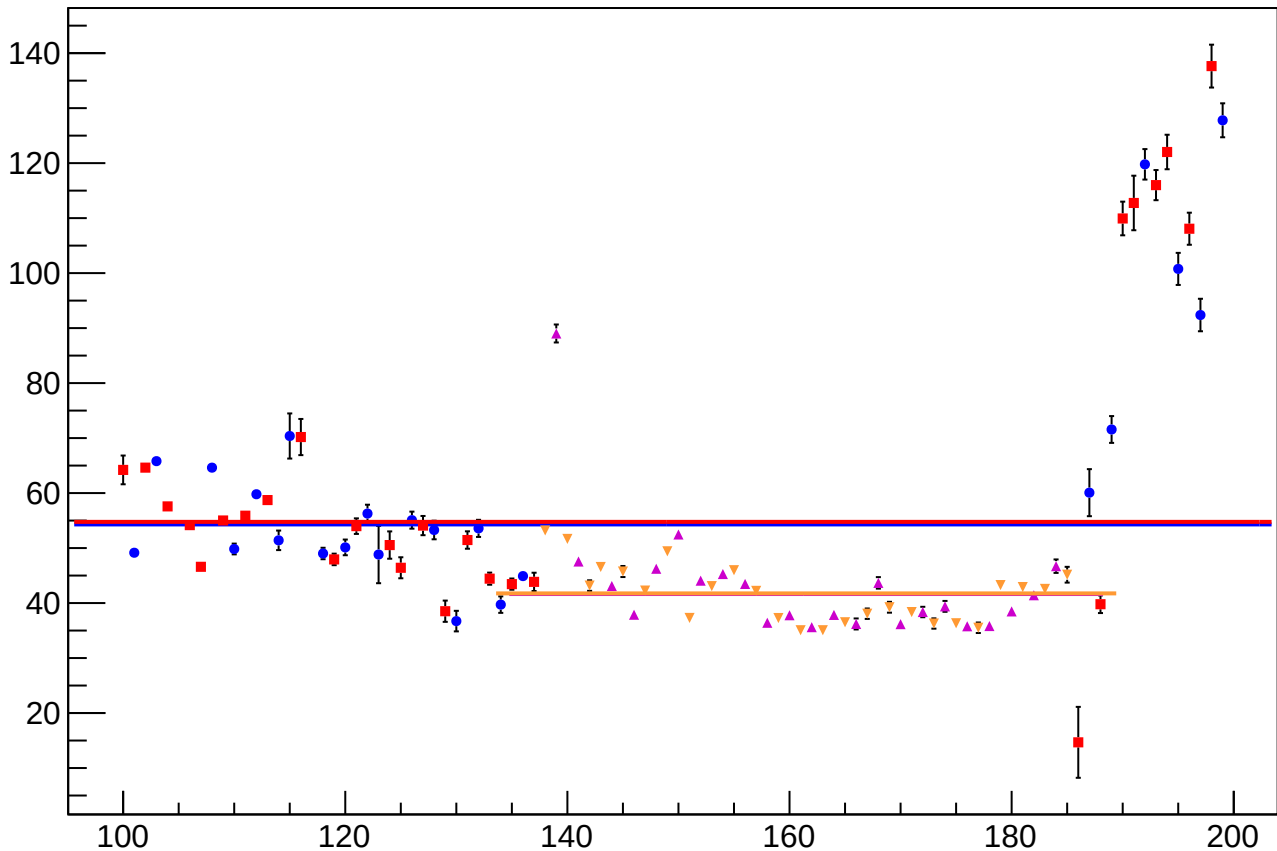
Left In: 20.866 ± 0.217 $\chi^2/\text{NDF}: 576.9/22$

+ sign 21.281 ± 0.206 $\chi^2/\text{NDF}: 752.5/30$

All: 20.874 ± 0.147 $\chi^2/\text{NDF}: 1771.6/61$

- sign 20.452 ± 0.209 $\chi^2/\text{NDF}: 1011.2/30$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 54.298 $\pm$ 0.208 χ^2 /NDF: 2832.4/22

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 54.766 $\pm$ 0.221 χ^2 /NDF: 3249.4/26

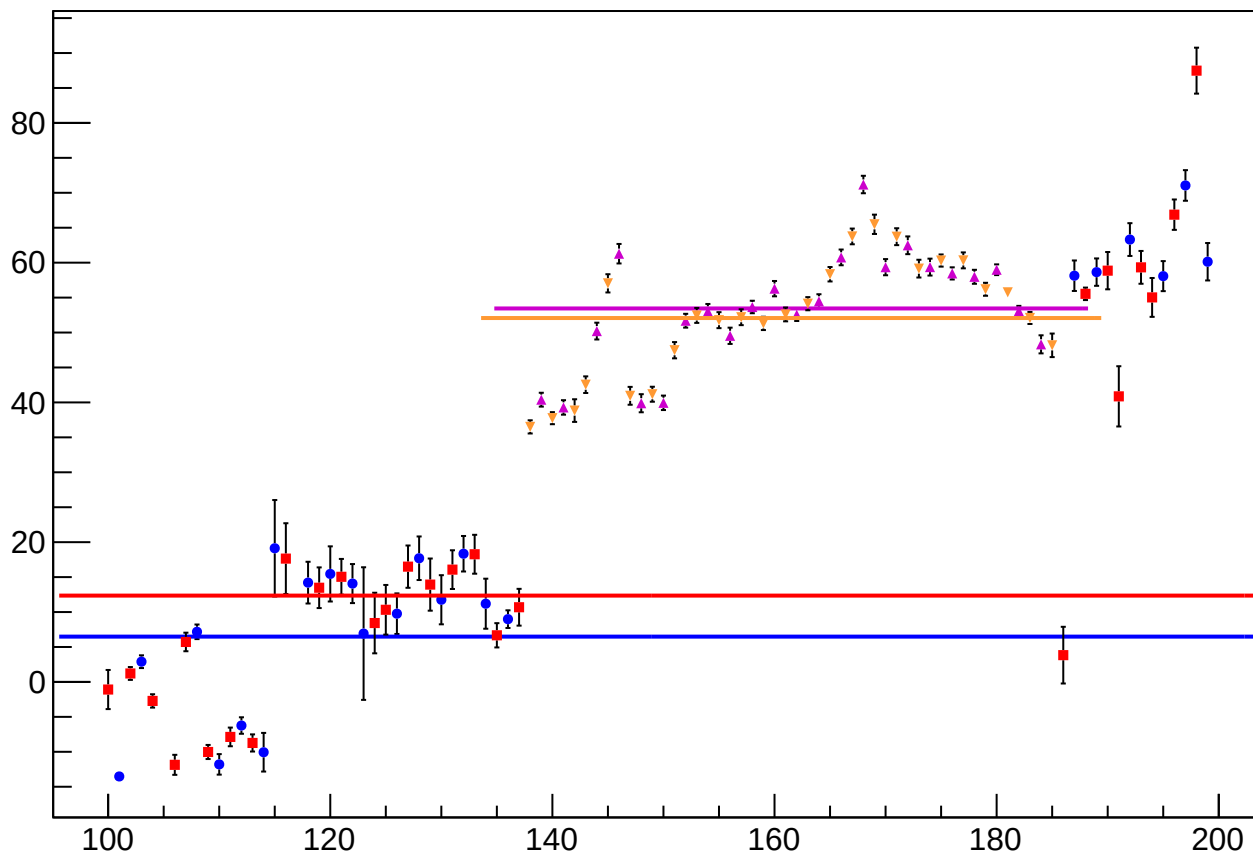
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 46.617 $\pm$ 0.129 χ^2 /NDF: 6077.1/47

All: 46.632 $\pm$ 0.094 χ^2 /NDF: 13112.4/97

- sign 46.648 $\pm$ 0.137 χ^2 /NDF: 7035.2/49

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 6.484 ± 0.338 χ^2/NDF : 5128.0/22

Left Out: 52.076 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: 12.354 ± 0.331 χ^2/NDF : 6247.0/26

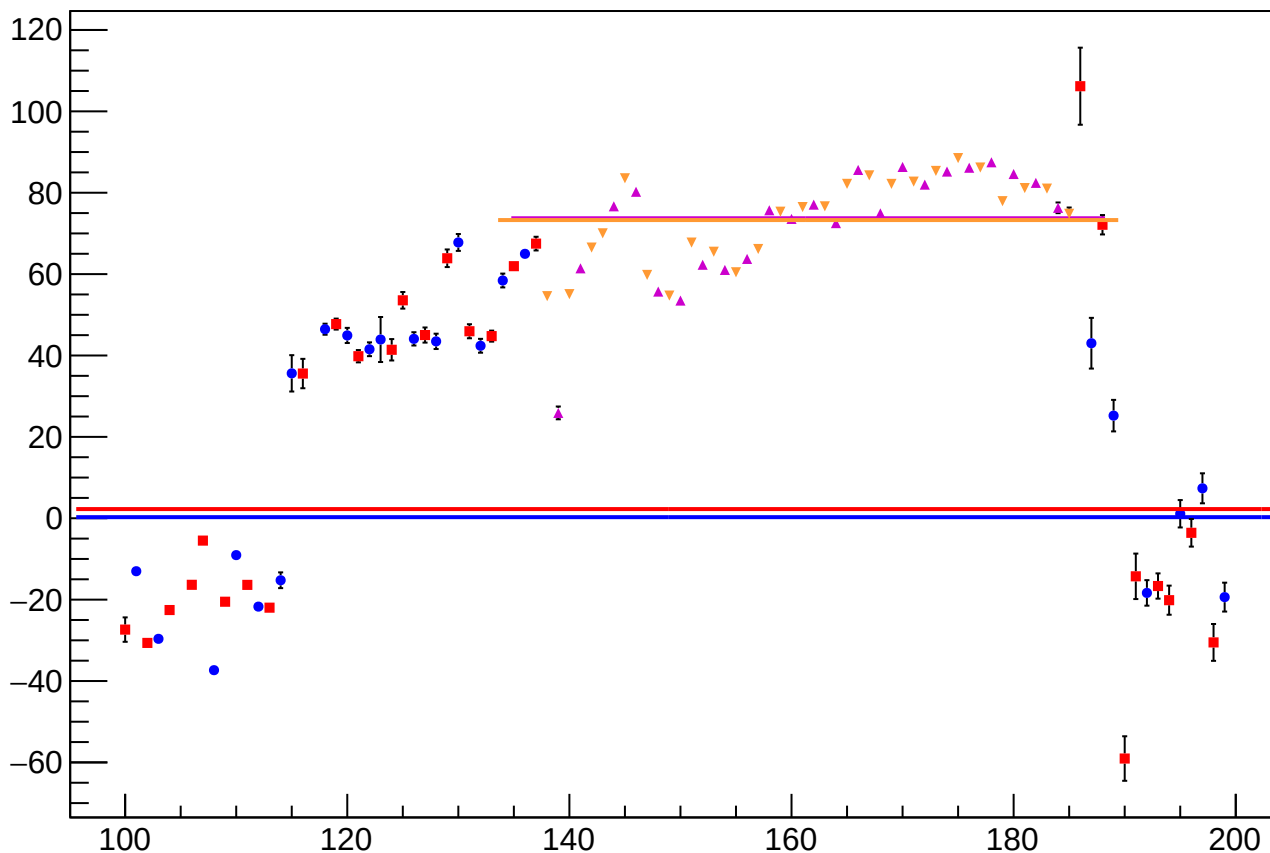
Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

+ sign 39.394 ± 0.178 χ^2/NDF : 19688.8/47

All: 40.289 ± 0.127 χ^2/NDF : 38004.6/97

- sign 41.203 ± 0.180 χ^2/NDF : 18265.0/49

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.269 ± 0.244 χ^2/NDF : 18378.3/22

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.258 ± 0.262 χ^2/NDF : 16661.1/26

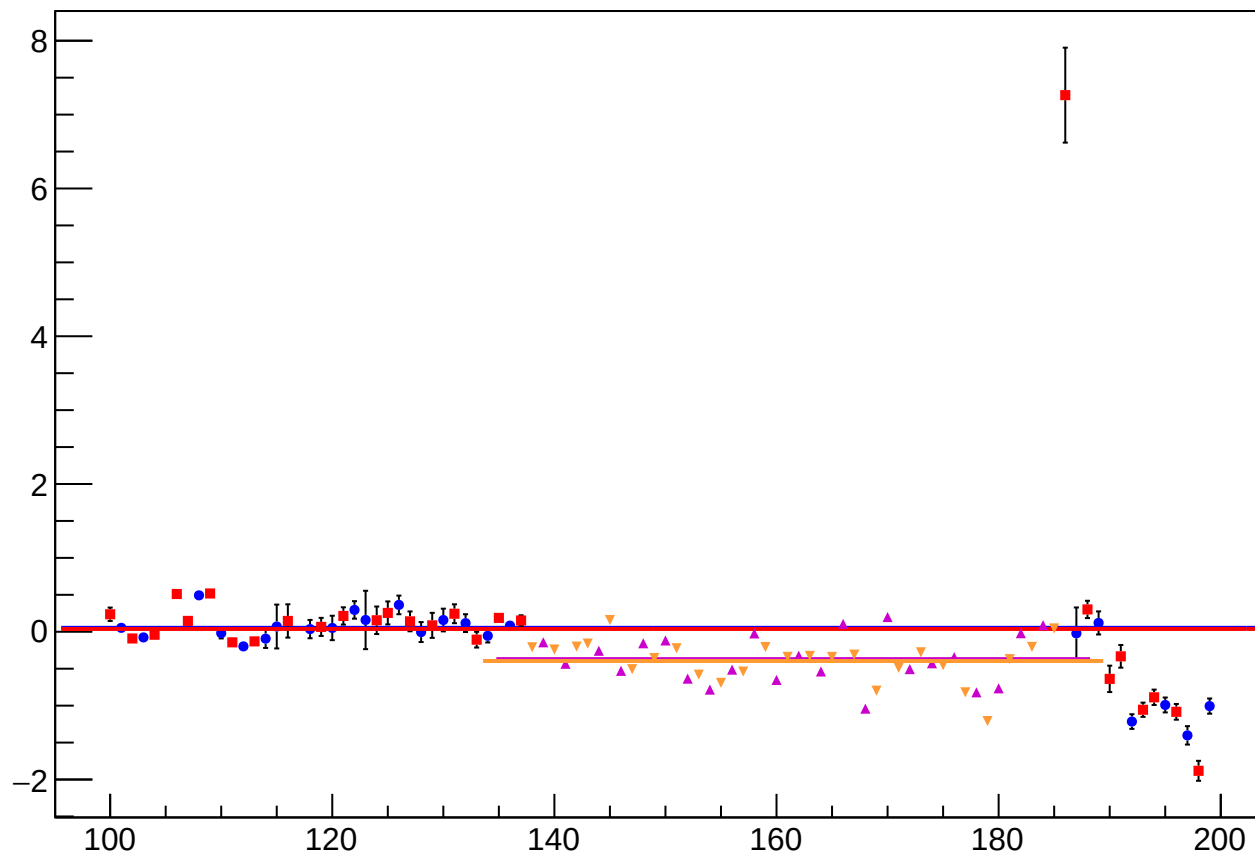
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.351 ± 0.148 χ^2/NDF : 77850.8/47

All: 47.279 ± 0.108 χ^2/NDF : 146487.0/97

- sign 48.305 ± 0.156 χ^2/NDF : 68553.9/49

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.053 ± 0.011 χ^2/NDF : 937.0/22

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.038 ± 0.011 χ^2/NDF : 1083.3/26

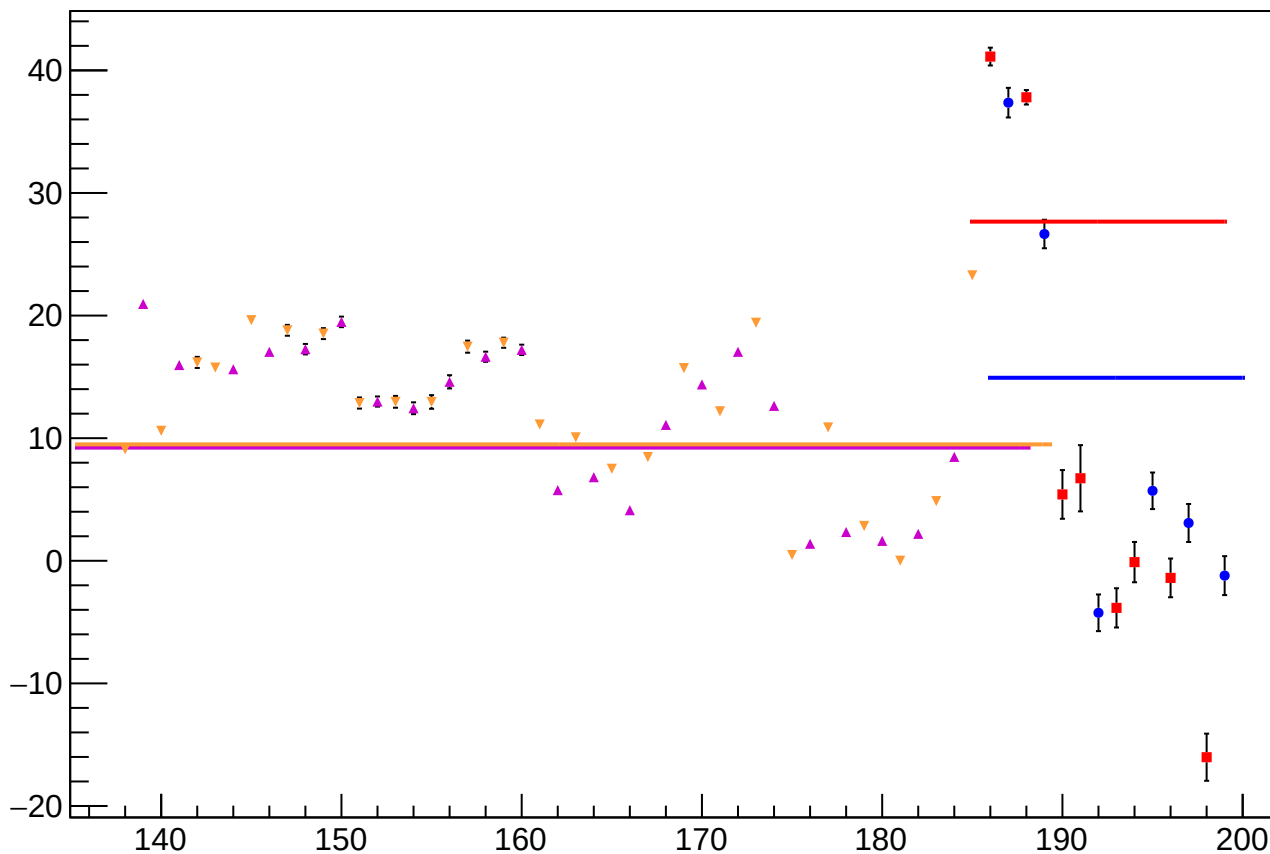
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.222 ± 0.007 χ^2/NDF : 2951.1/47

All: -0.215 ± 0.005 χ^2/NDF : 6229.1/97

- sign -0.208 ± 0.007 χ^2/NDF : 3275.6/49

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 14.928+/-0.565 χ^2/NDF : 810.7/5

Left Out: 9.495+/-0.061 χ^2/NDF : 12609.1/24

Right Out: 27.664+/-0.390 χ^2/NDF : 2350.3/7

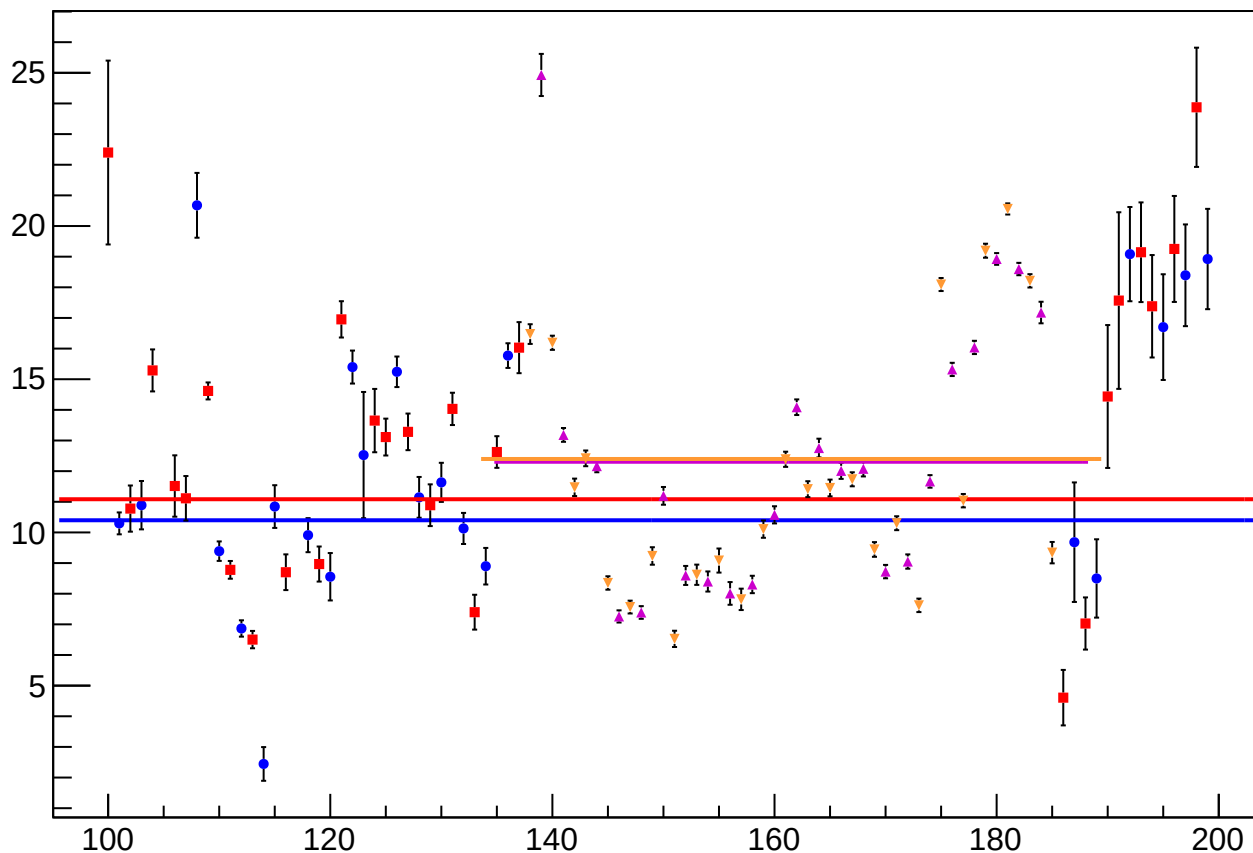
Left In: 9.231+/-0.063 χ^2/NDF : 10736.2/22

+ sign 9.558+/-0.061 χ^2/NDF : 13511.3/30

All: 9.628+/-0.044 χ^2/NDF : 28778.7/61

- sign 9.701+/-0.062 χ^2/NDF : 15264.7/30

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.397 ± 0.118 $\chi^2/\text{NDF}: 965.6/22$

Left Out: 12.397 ± 0.050 $\chi^2/\text{NDF}: 7542.8/24$

Right Out: 11.083 ± 0.113 $\chi^2/\text{NDF}: 1001.9/26$

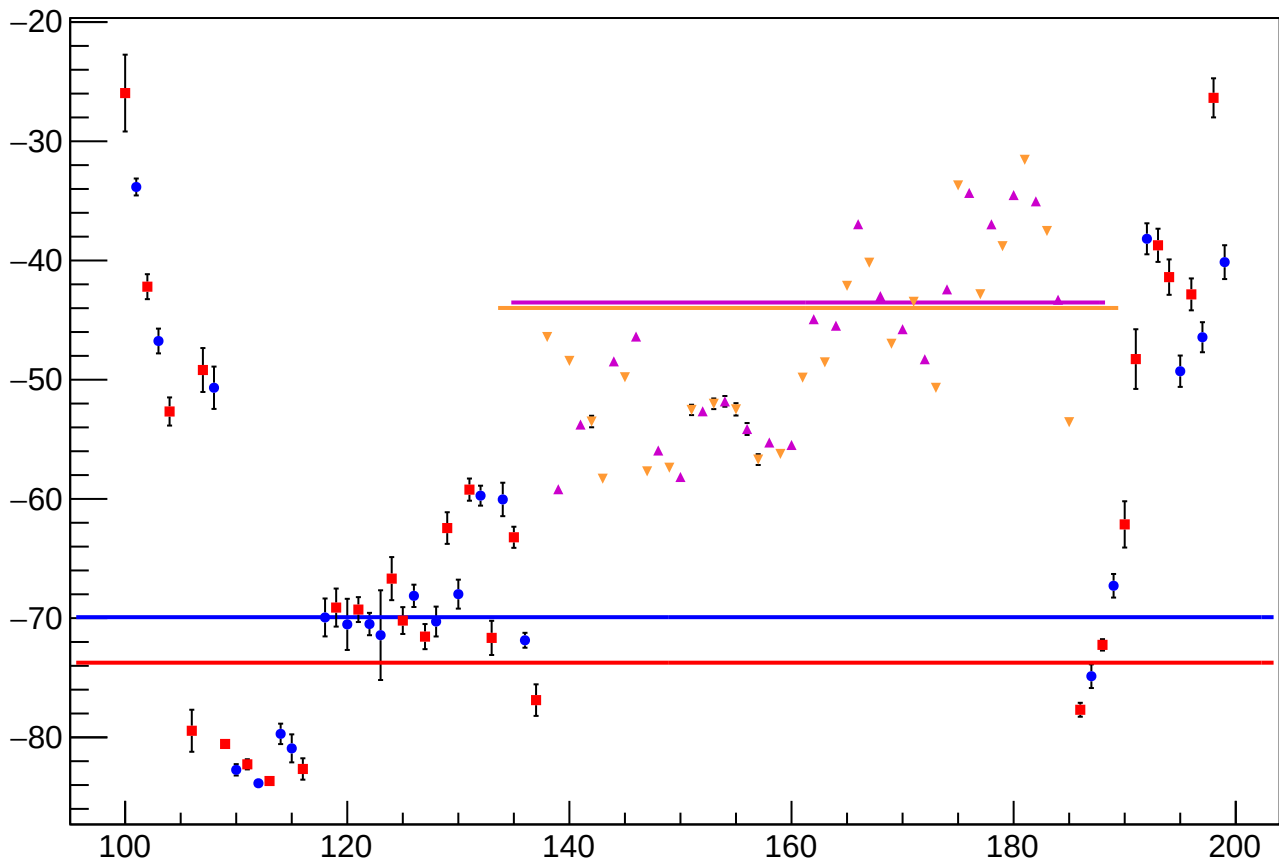
Left In: 12.307 ± 0.051 $\chi^2/\text{NDF}: 5601.8/22$

+ sign 12.094 ± 0.046 $\chi^2/\text{NDF}: 8753.6/47$

All: 12.097 ± 0.033 $\chi^2/\text{NDF}: 15454.2/97$

- sign 12.099 ± 0.047 $\chi^2/\text{NDF}: 6700.6/49$

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -69.919 ± 0.183 $\chi^2/\text{NDF}: 7355.9/22$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -73.737 ± 0.158 $\chi^2/\text{NDF}: 6288.2/26$

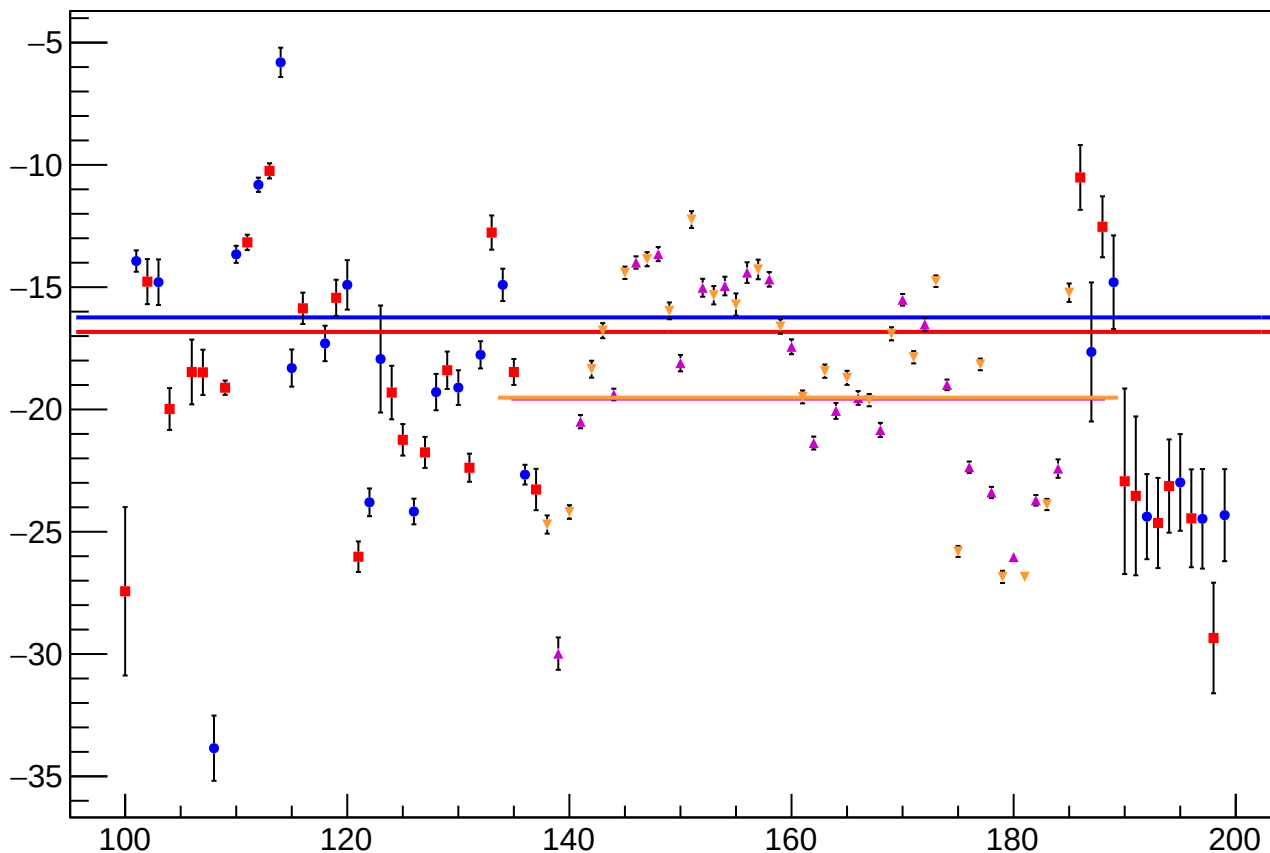
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -46.637 ± 0.059 $\chi^2/\text{NDF}: 43043.8/47$

All: -47.172 ± 0.042 $\chi^2/\text{NDF}: 96307.9/97$

- sign -47.709 ± 0.059 $\chi^2/\text{NDF}: 53097.4/49$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.237 ± 0.131 χ^2/NDF : 1691.1/22

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.830 ± 0.126 χ^2/NDF : 1326.8/26

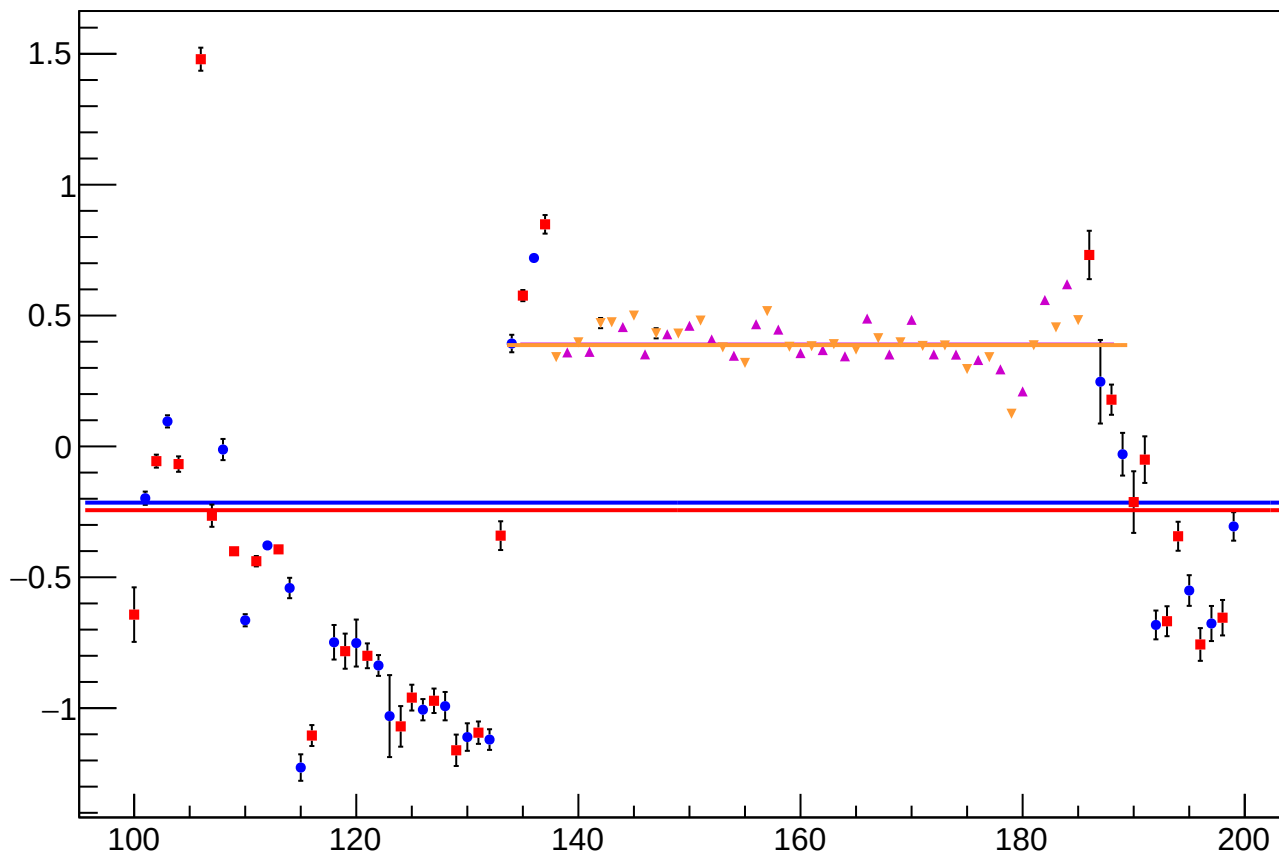
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.015 ± 0.051 χ^2/NDF : 8739.7/47

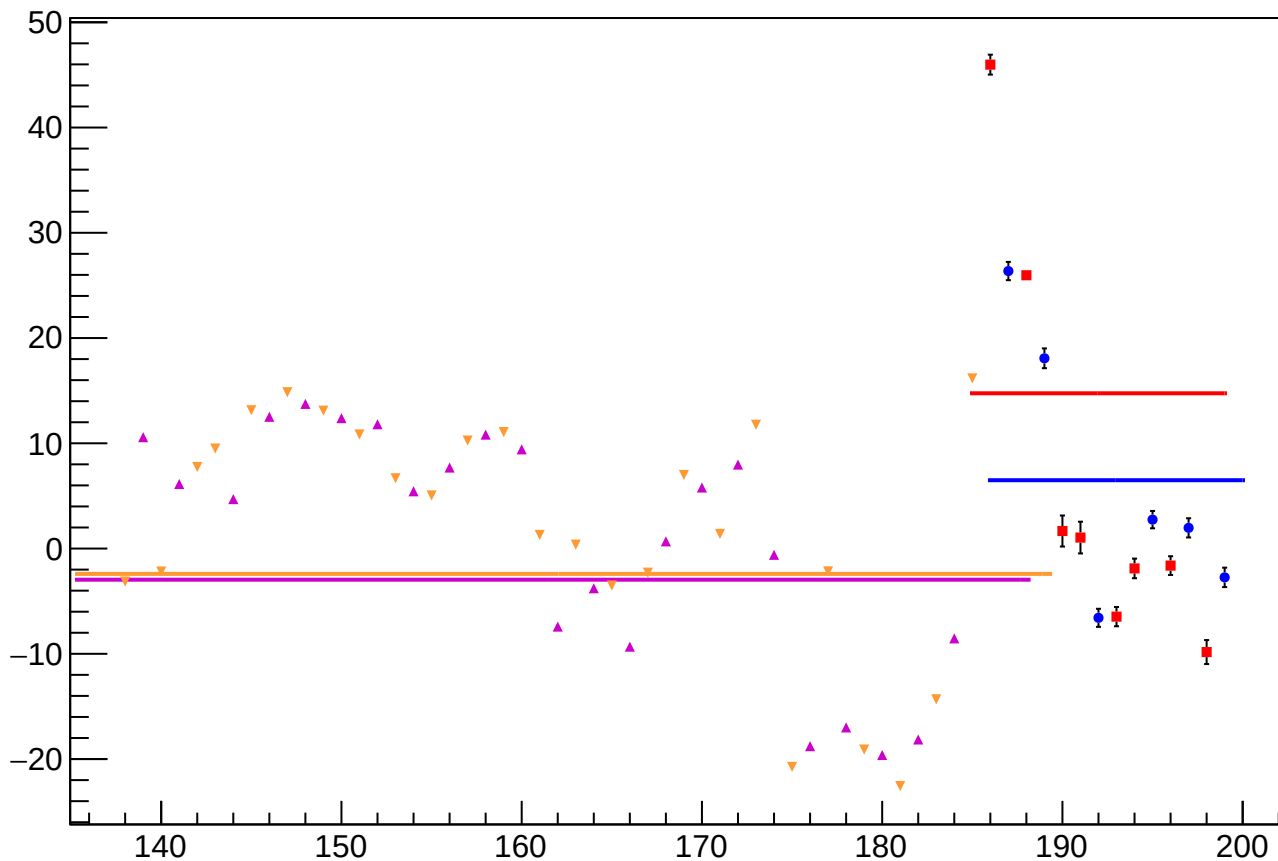
All: -19.050 ± 0.037 χ^2/NDF : 14766.7/97

- sign -19.087 ± 0.052 χ^2/NDF : 6026.0/49

reg_asym_sam7_diff_bpm12X_slope vs Slug



reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 6.493 ± 0.361 $\chi^2/\text{NDF}: 1052.9/5$

Left Out: -2.407 ± 0.053 $\chi^2/\text{NDF}: 56368.5/24$

Right Out: 14.752 ± 0.290 $\chi^2/\text{NDF}: 3593.4/7$

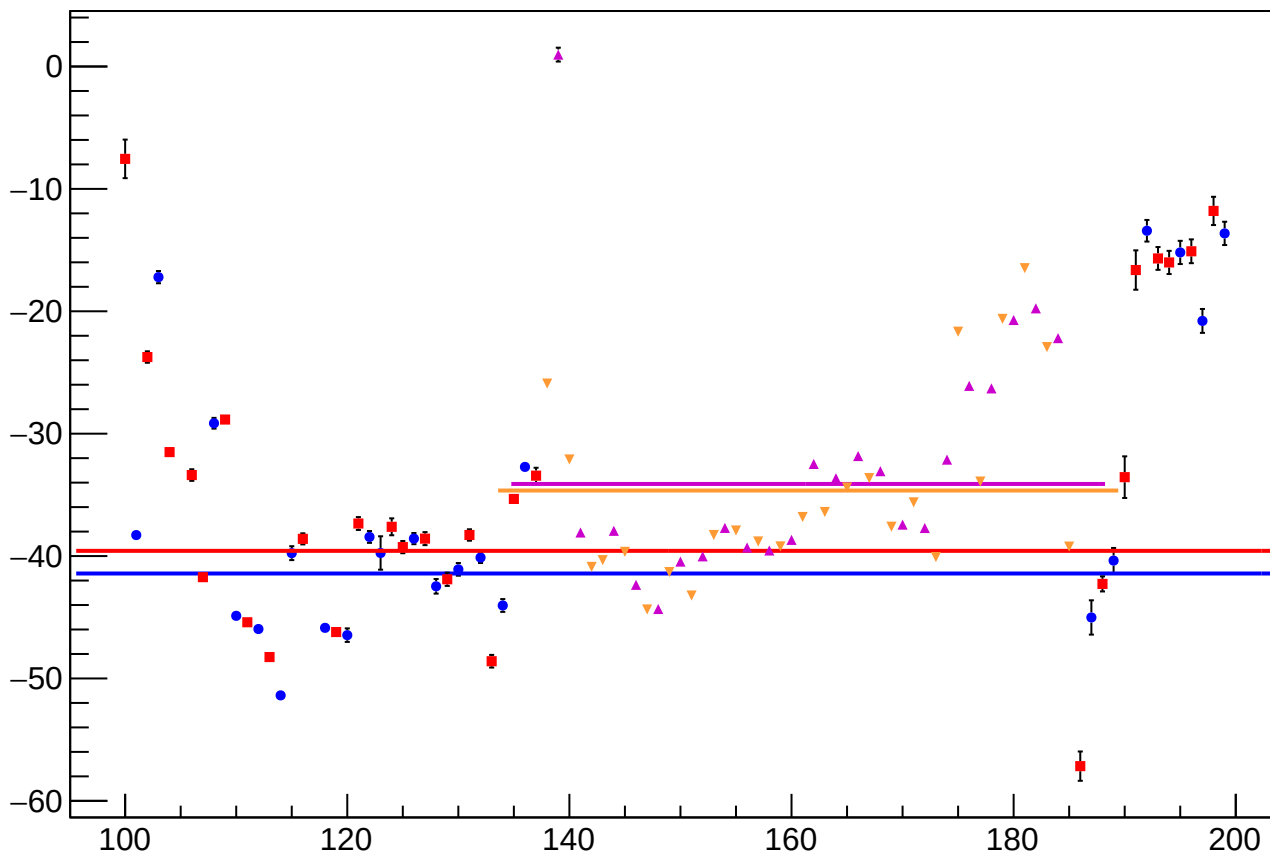
Left In: -2.959 ± 0.055 $\chi^2/\text{NDF}: 45922.6/22$

+ sign -2.221 ± 0.052 $\chi^2/\text{NDF}: 58015.3/30$

All: -2.283 ± 0.038 $\chi^2/\text{NDF}: 111125.1/61$

- sign -2.349 ± 0.054 $\chi^2/\text{NDF}: 53106.8/30$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -41.424 ± 0.077 $\chi^2/\text{NDF}: 9713.0/22$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -39.573 ± 0.071 $\chi^2/\text{NDF}: 14306.5/26$

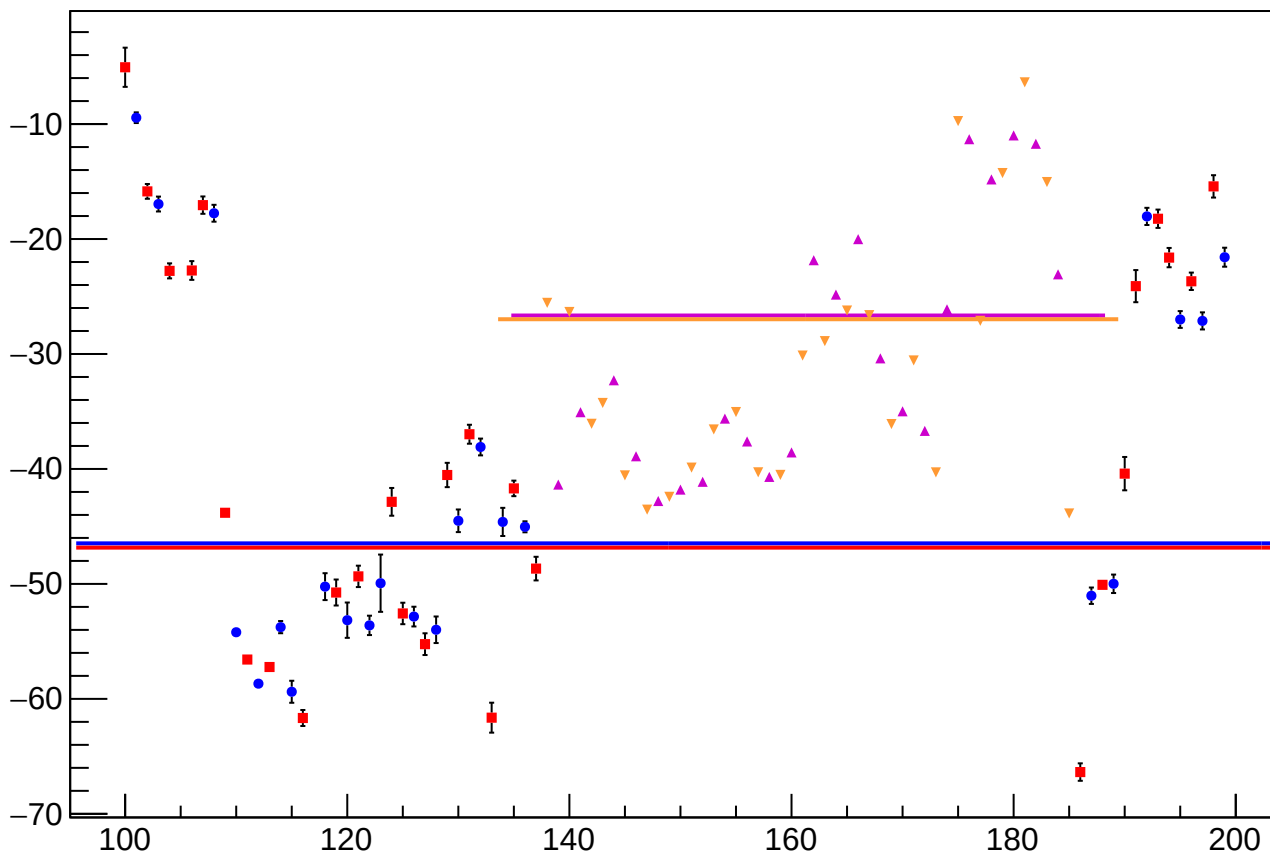
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.194 ± 0.037 $\chi^2/\text{NDF}: 50401.2/47$

All: -35.910 ± 0.026 $\chi^2/\text{NDF}: 98141.0/97$

- sign -35.614 ± 0.037 $\chi^2/\text{NDF}: 47617.2/49$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -46.473 ± 0.116 $\chi^2/\text{NDF}: 18796.3/22$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -46.843 ± 0.098 $\chi^2/\text{NDF}: 17072.4/26$

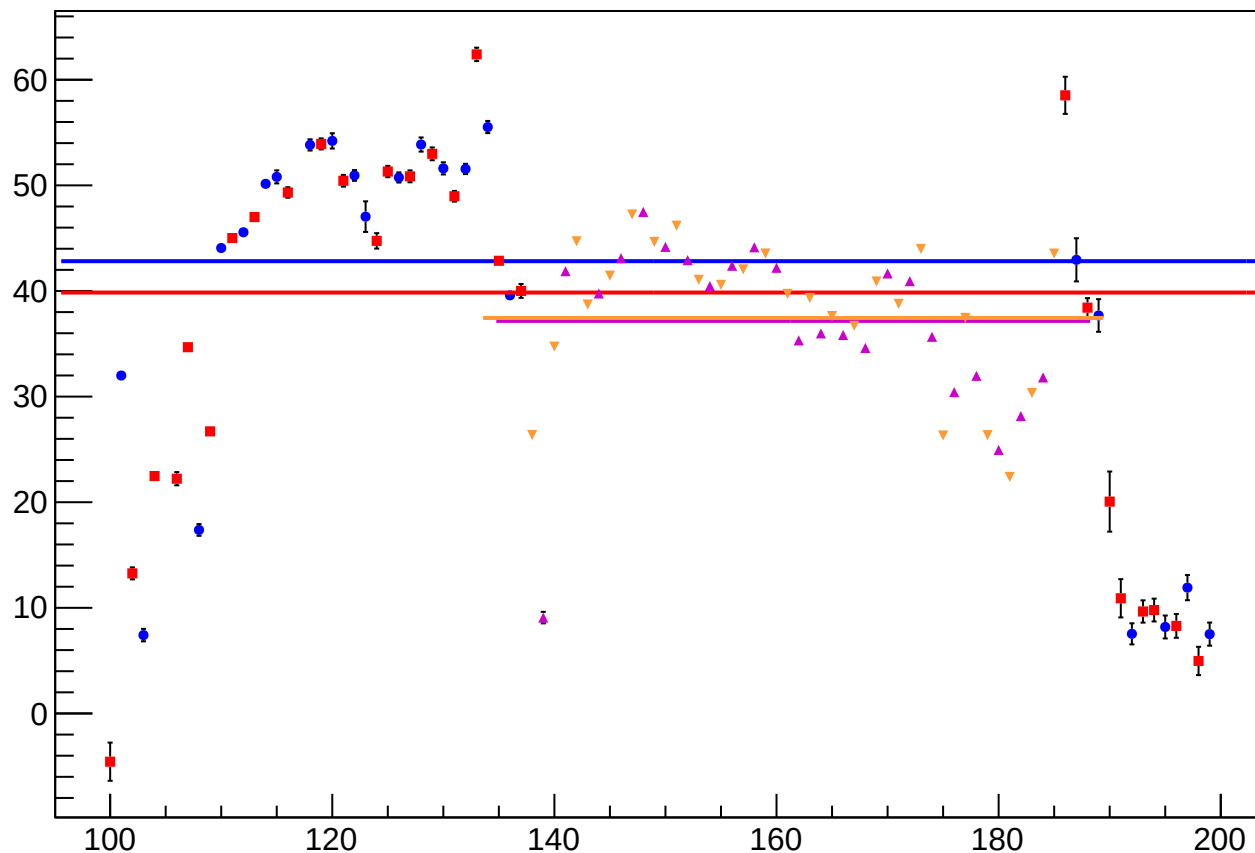
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.377 ± 0.048 $\chi^2/\text{NDF}: 91582.4/47$

All: -30.927 ± 0.034 $\chi^2/\text{NDF}: 183228.9/97$

- sign -31.469 ± 0.048 $\chi^2/\text{NDF}: 91389.4/49$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.822 $\pm$ 0.086 χ^2 /NDF: 14658.5/22

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 39.854 $\pm$ 0.079 χ^2 /NDF: 21126.2/26

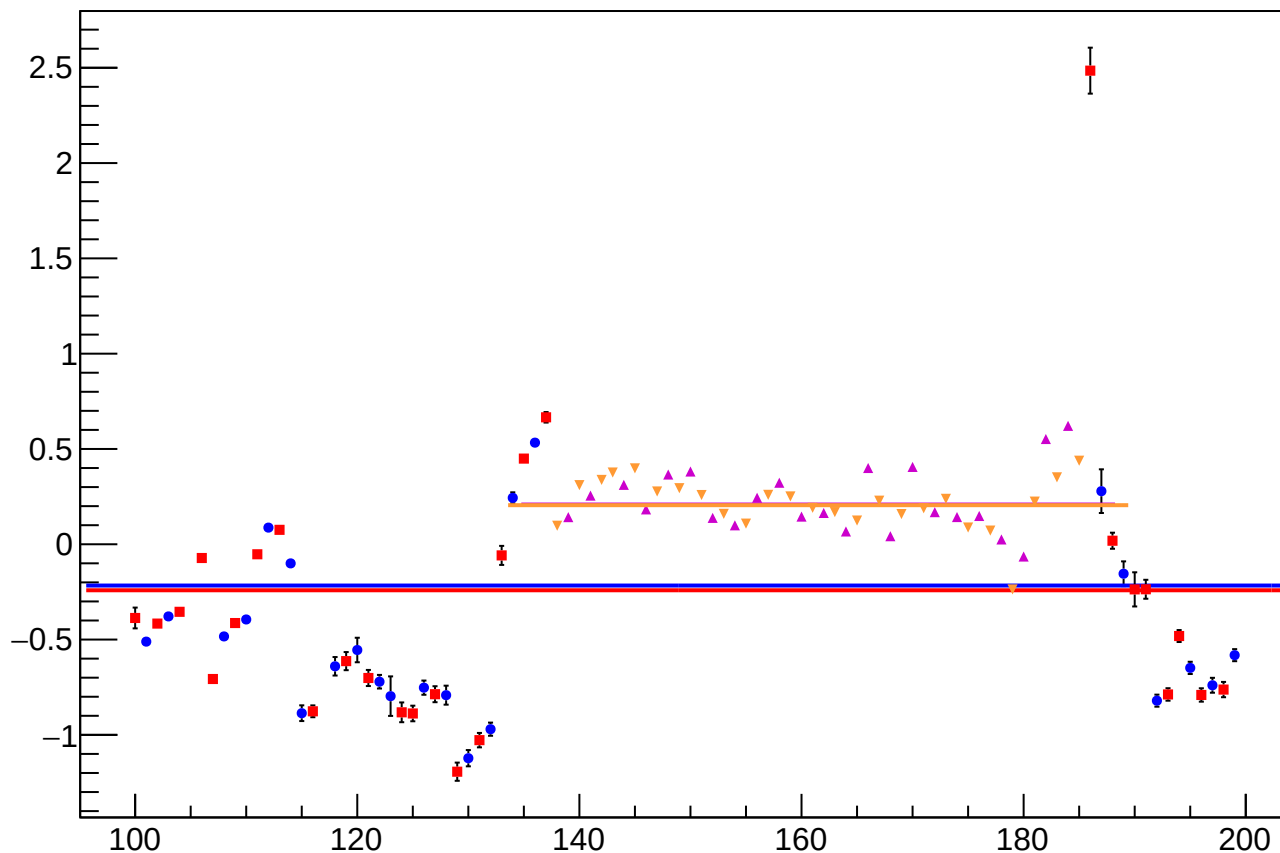
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.695 $\pm$ 0.041 χ^2 /NDF: 39247.3/47

All: 38.313 $\pm$ 0.029 χ^2 /NDF: 78615.9/97

- sign 37.921 $\pm$ 0.042 χ^2 /NDF: 39195.2/49

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.217 ± 0.005 χ^2/NDF : 8298.7/22

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.241 ± 0.004 χ^2/NDF : 8742.8/26

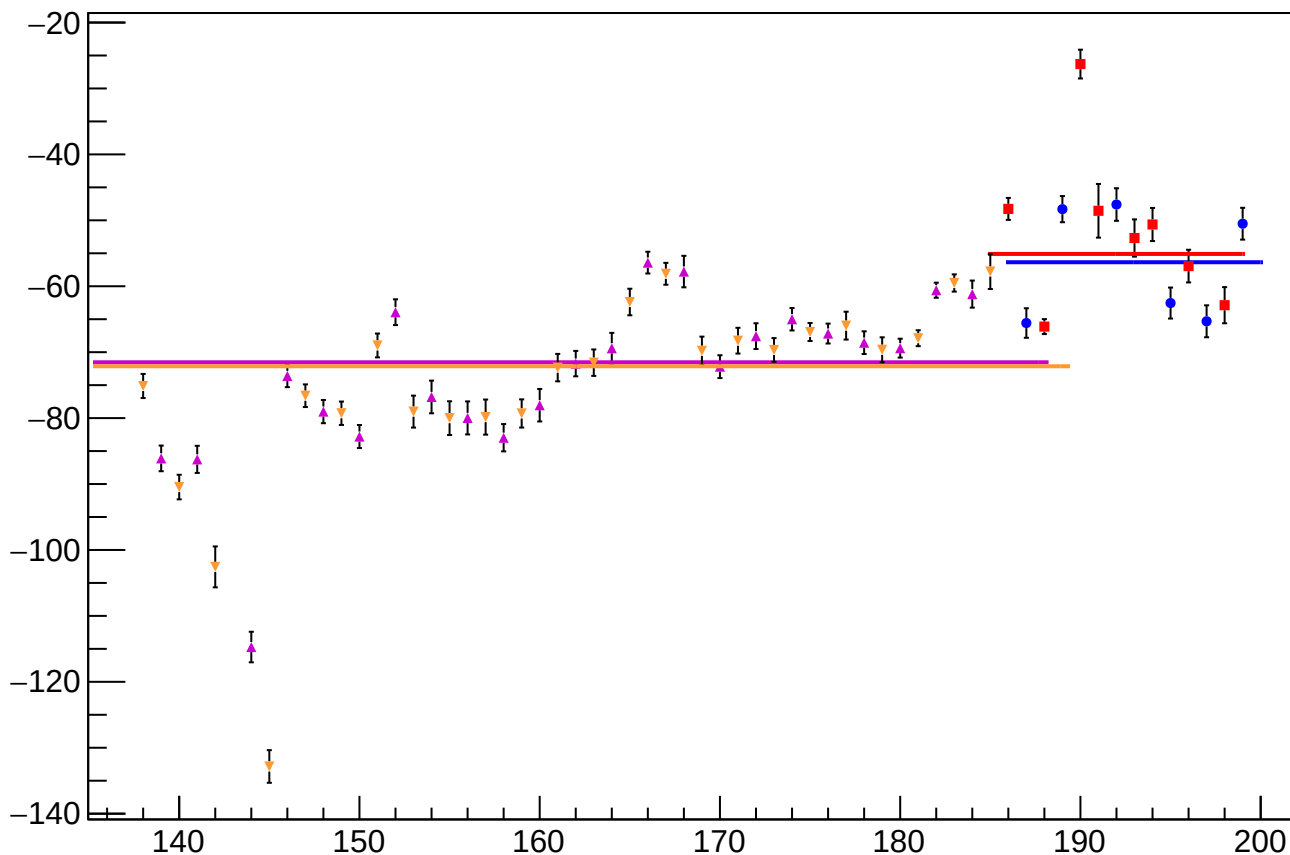
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.129 ± 0.002 χ^2/NDF : 18900.8/47

All: 0.118 ± 0.001 χ^2/NDF : 41949.2/97

- sign 0.106 ± 0.002 χ^2/NDF : 22979.5/49

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -56.358 ± 0.936 $\chi^2/\text{NDF}: 72.5/5$

Left Out: -72.138 ± 0.383 $\chi^2/\text{NDF}: 1121.3/23$

Right Out: -55.098 ± 0.710 $\chi^2/\text{NDF}: 299.7/7$

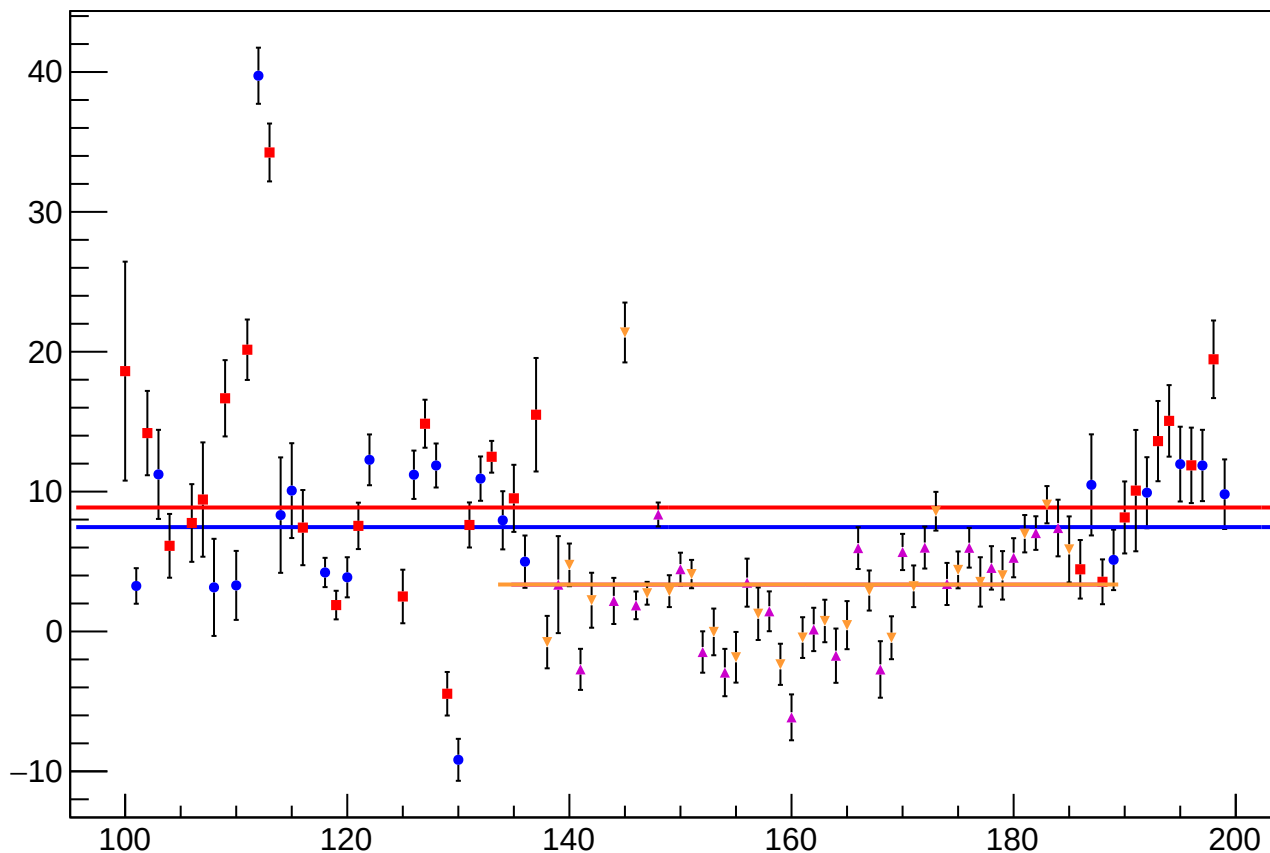
Left In: -71.534 ± 0.382 $\chi^2/\text{NDF}: 851.4/22$

+ sign -69.877 ± 0.354 $\chi^2/\text{NDF}: 1437.1/29$

All: -68.808 ± 0.244 $\chi^2/\text{NDF}: 3021.7/60$

- sign -67.846 ± 0.336 $\chi^2/\text{NDF}: 1567.2/30$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.461 ± 0.406 χ^2/NDF : 450.6/21

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 8.864 ± 0.397 χ^2/NDF : 389.7/25

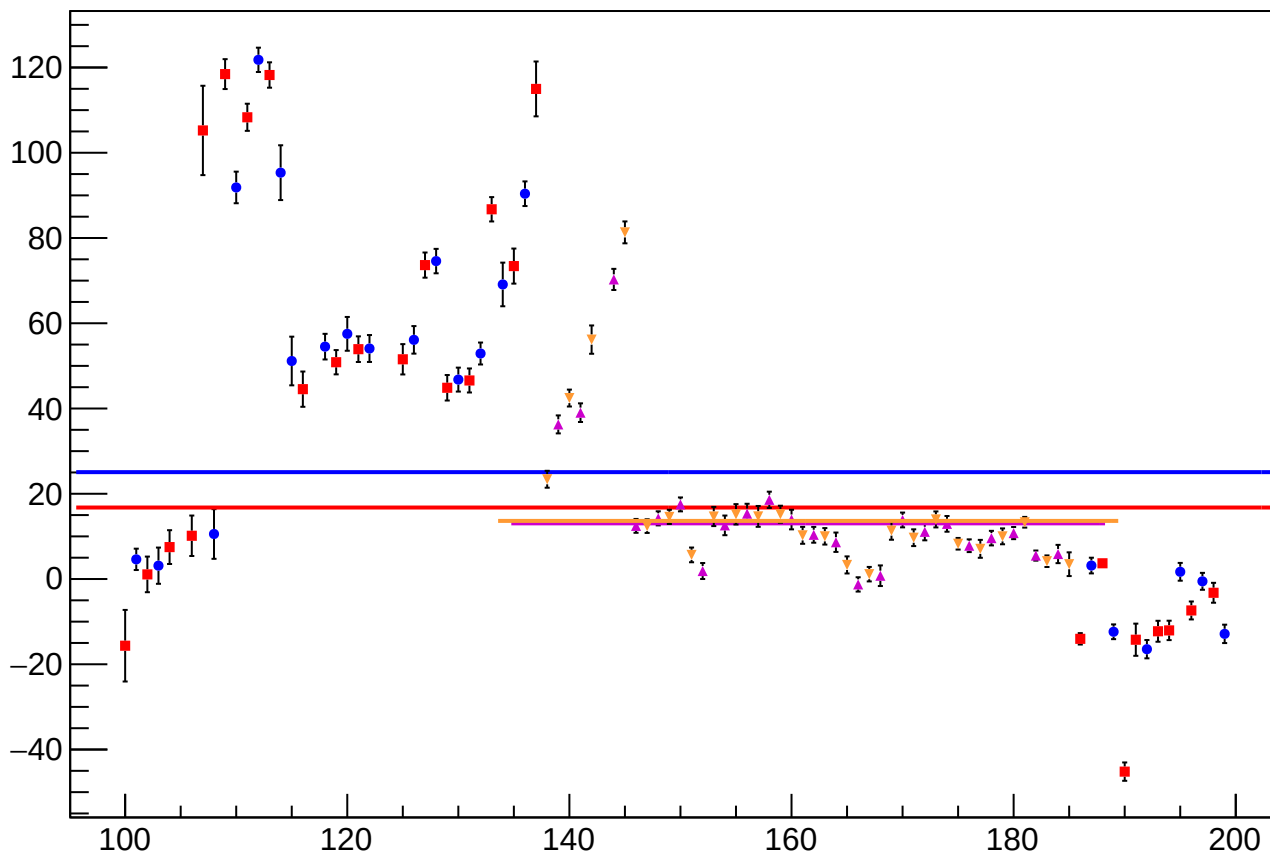
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.773 ± 0.239 χ^2/NDF : 685.2/45

All: 5.054 ± 0.169 χ^2/NDF : 1364.4/94

- sign 5.336 ± 0.239 χ^2/NDF : 676.4/48

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 25.072 $\pm$ 0.581 χ^2 /NDF: 4696.9/21

Left Out: 13.632 $\pm$ 0.382 χ^2 /NDF:1300.0/23

Right Out: 16.772 $\pm$ 0.488 χ^2 /NDF: 7102.8/25

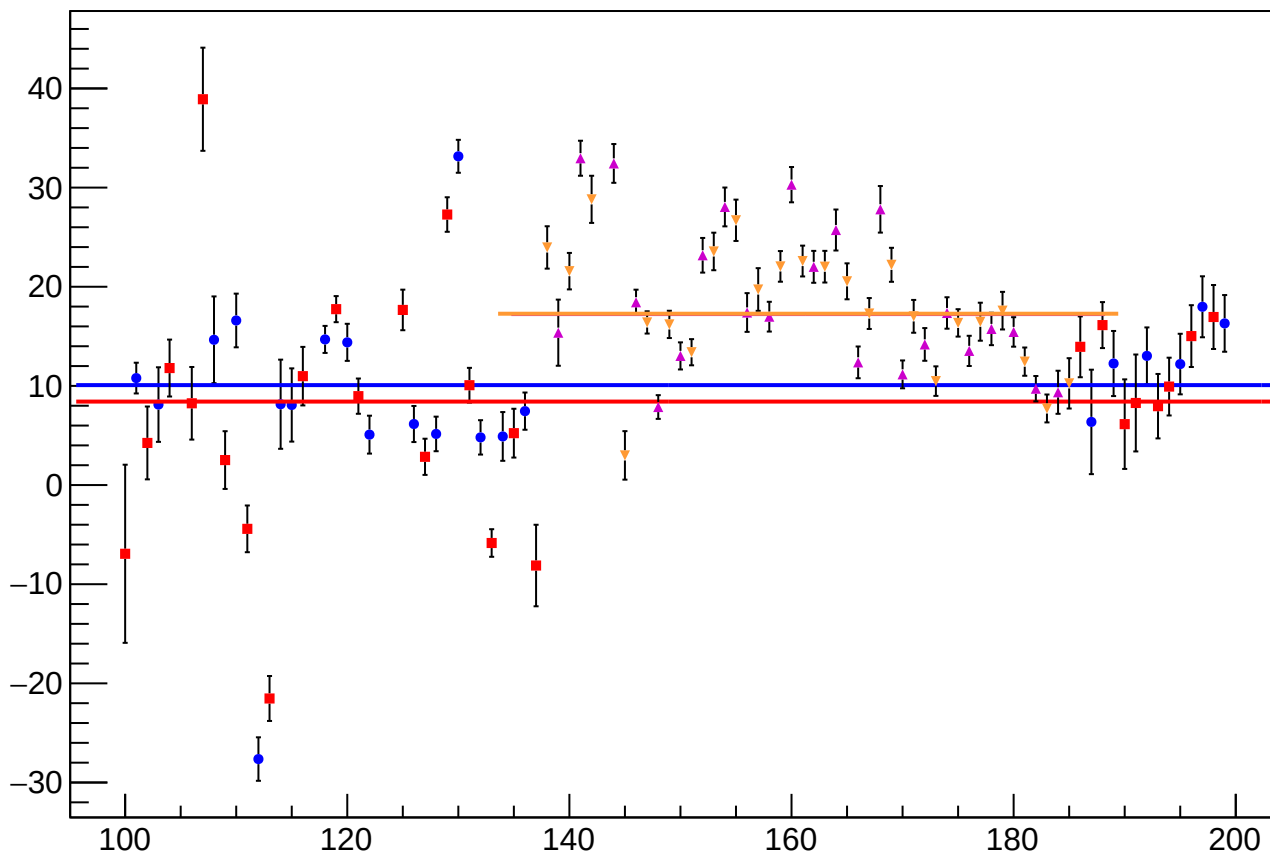
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 17.086 $\pm$ 0.319 χ^2 /NDF: 6268.0/45

All: 15.691 $\pm$ 0.218 χ^2 /NDF: 14467.6/94

- sign 14.460 $\pm$ 0.300 χ^2 /NDF: 8163.6/48

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.079 $\pm$ 0.473 χ^2/NDF : 562.3/21

Left Out: 17.280 $\pm$ 0.337 χ^2/NDF : 243.9/23

Right Out: 8.419 $\pm$ 0.469 χ^2/NDF : 596.5/25

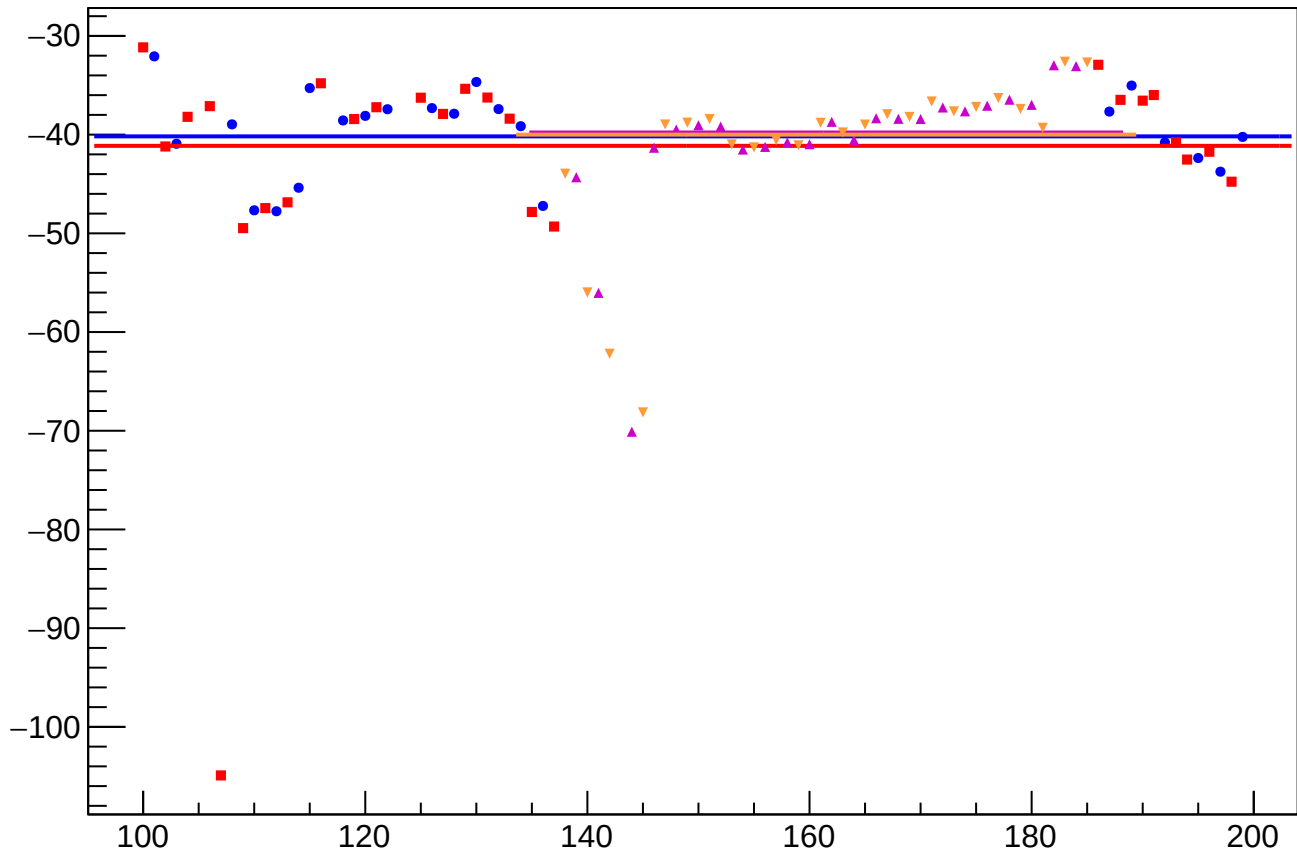
Left In: 17.245 $\pm$ 0.339 χ^2/NDF : 440.8/22

+ sign 14.856 $\pm$ 0.275 χ^2/NDF : 959.8/45

All: 14.533 $\pm$ 0.194 χ^2/NDF : 2232.5/94

- sign 14.209 $\pm$ 0.275 χ^2/NDF : 1270.0/48

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.176 ± 0.025 χ^2/NDF : 29794.5/21

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -41.135 ± 0.024 χ^2/NDF : 102435.7/25

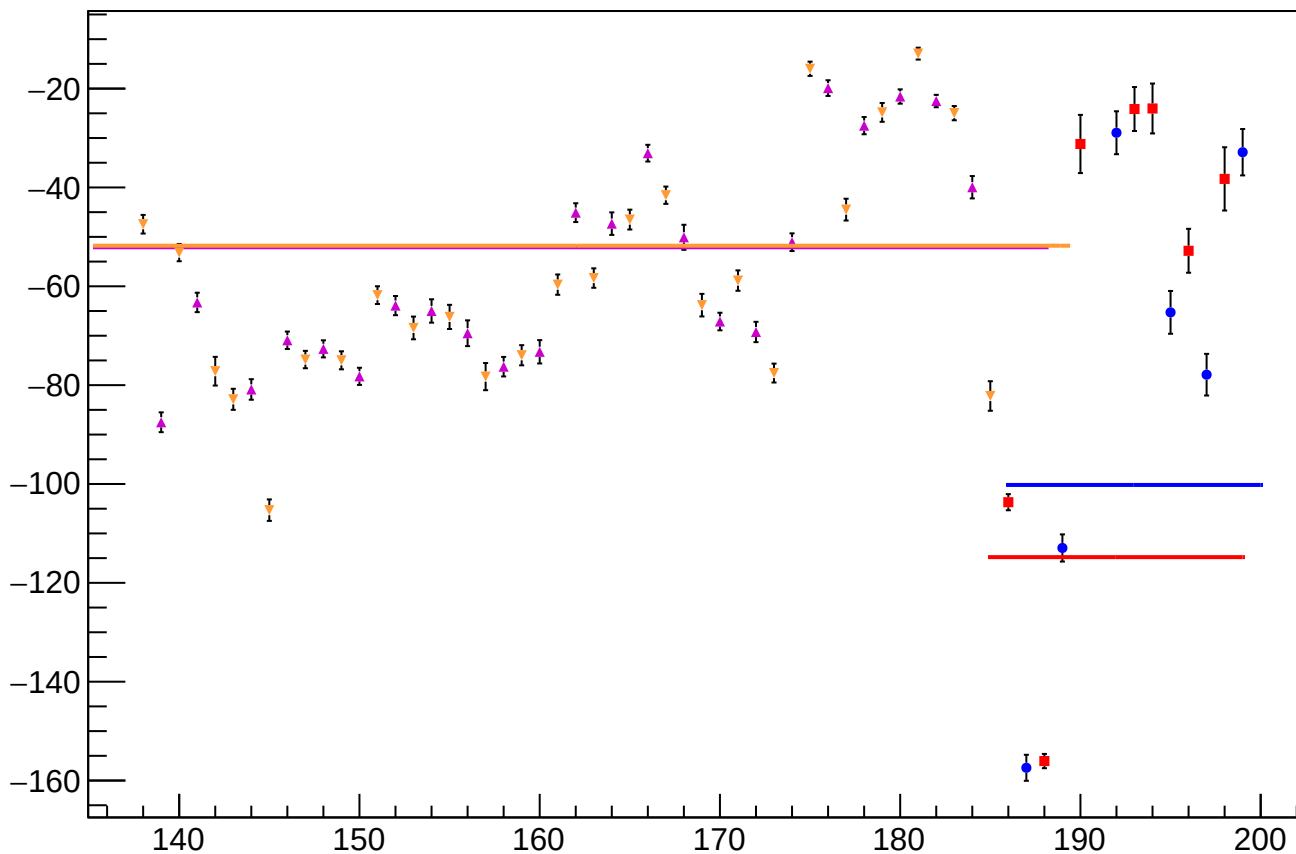
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -40.049 ± 0.013 χ^2/NDF : 202093.6/45

All: -40.116 ± 0.009 χ^2/NDF : 451260.3/94

- sign -40.181 ± 0.013 χ^2/NDF : 249117.1/48

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -100.192 ± 1.436 χ^2/NDF : 1062.3/5

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -114.797 ± 0.977 χ^2/NDF : 2139.5/6

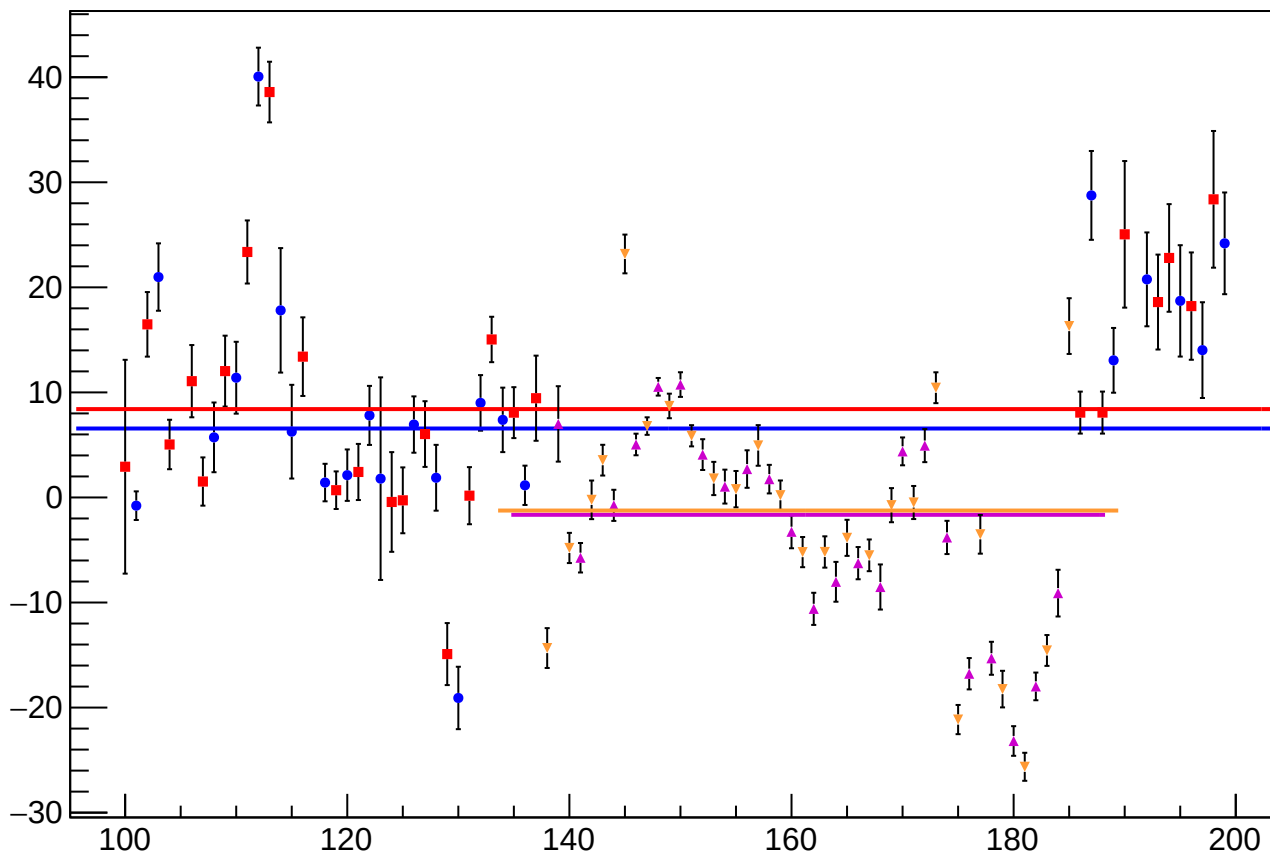
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -54.994 ± 0.370 χ^2/NDF : 6287.5/30

All: -57.900 ± 0.258 χ^2/NDF : 15383.7/60

- sign -60.672 ± 0.361 χ^2/NDF : 8975.6/29

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 6.563 ± 0.590 $\chi^2/\text{NDF}: 364.5/22$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 8.411 ± 0.575 $\chi^2/\text{NDF}: 304.2/25$

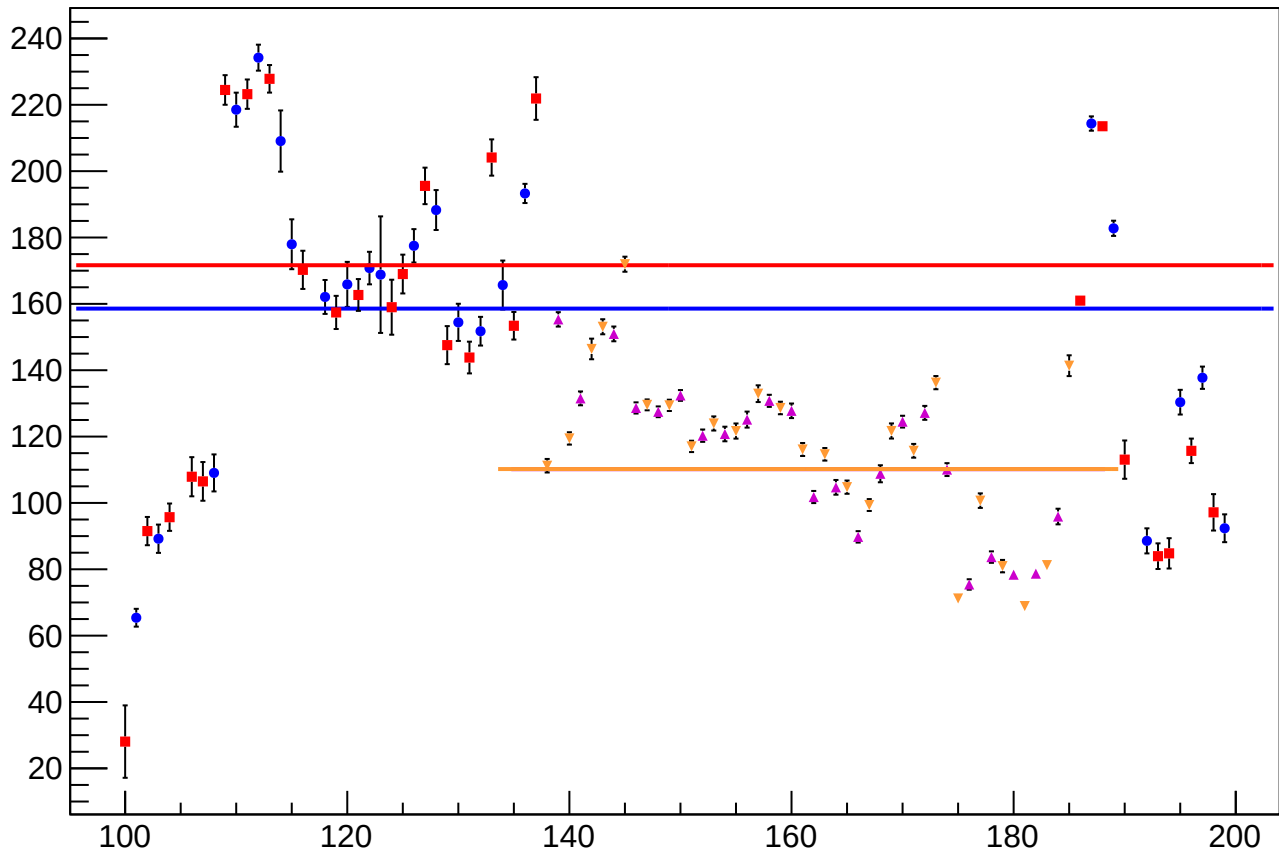
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.287 ± 0.262 $\chi^2/\text{NDF}: 1827.7/47$

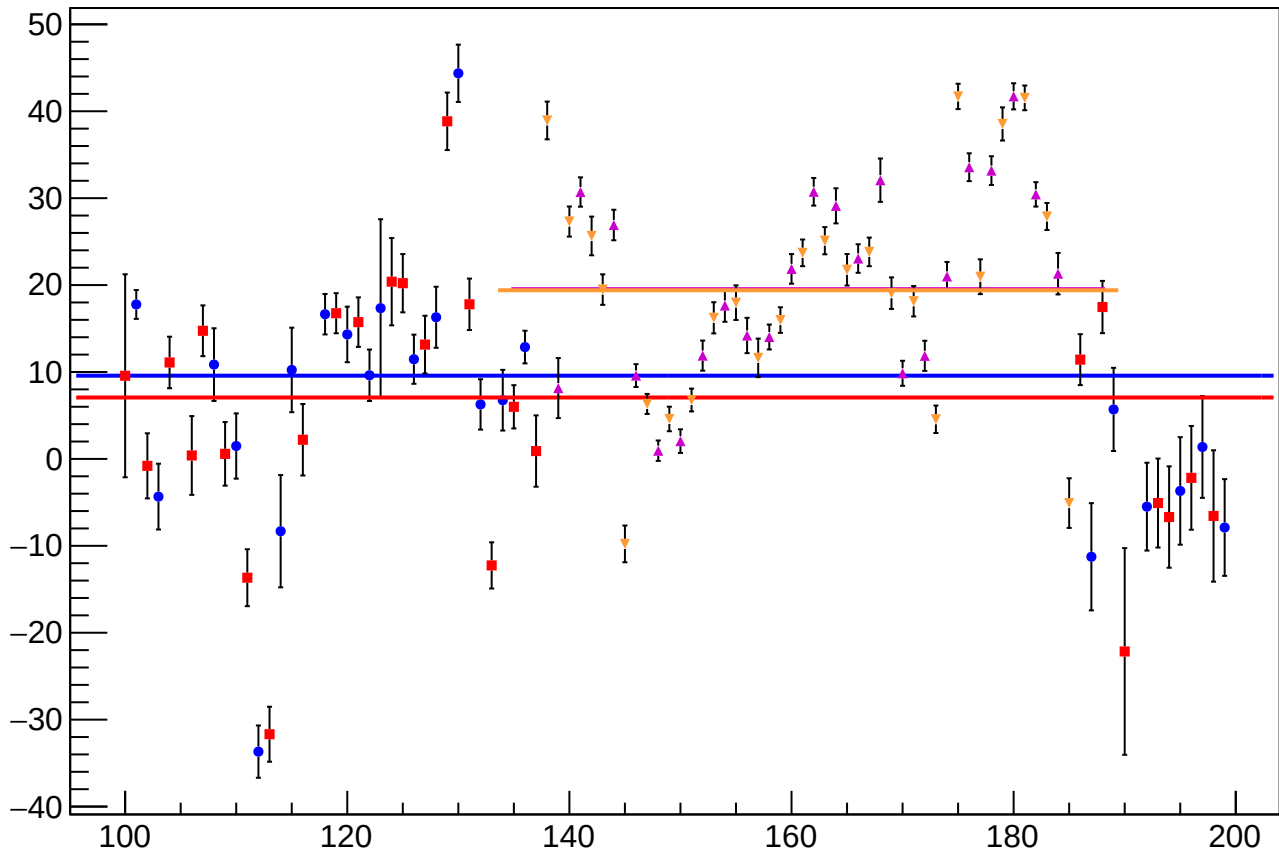
All: 0.394 ± 0.187 $\chi^2/\text{NDF}: 3465.2/96$

- sign 0.506 ± 0.266 $\chi^2/\text{NDF}: 1637.1/48$

reg_asym_usr_diff_bpm4eX_slope vs Slug



reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 9.577 ± 0.686 χ^2/NDF : 426.8/22

Left Out: 19.405 ± 0.335 χ^2/NDF : 1453.4/24

Right Out: 7.065 ± 0.685 χ^2/NDF : 460.4/25

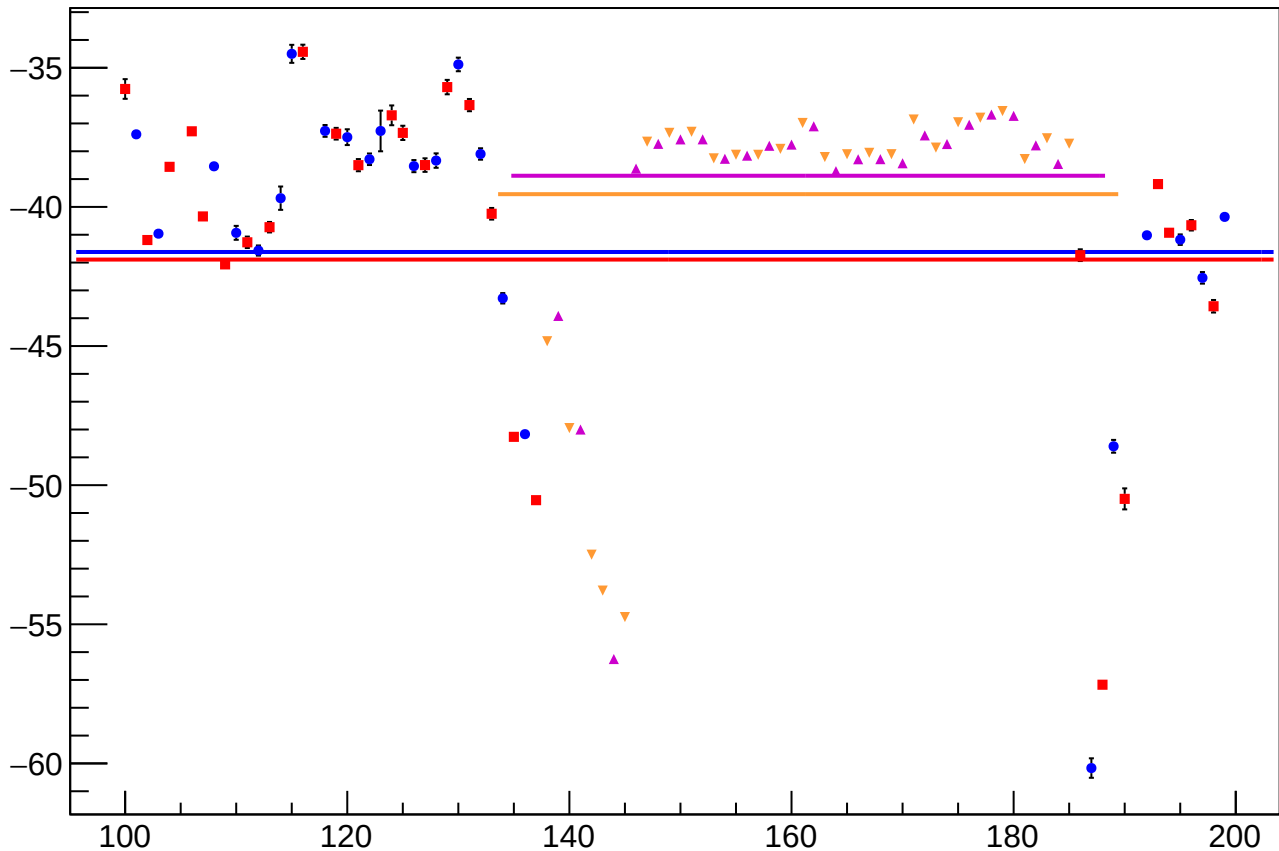
Left In: 19.530 ± 0.342 χ^2/NDF : 1181.3/22

+ sign 17.517 ± 0.301 χ^2/NDF : 2045.9/47

All: 17.282 ± 0.215 χ^2/NDF : 3953.8/96

- sign 17.037 ± 0.306 χ^2/NDF : 1906.7/48

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.620 ± 0.035 $\chi^2/\text{NDF}: 16398.6/22$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.892 ± 0.034 $\chi^2/\text{NDF}: 22615.1/25$

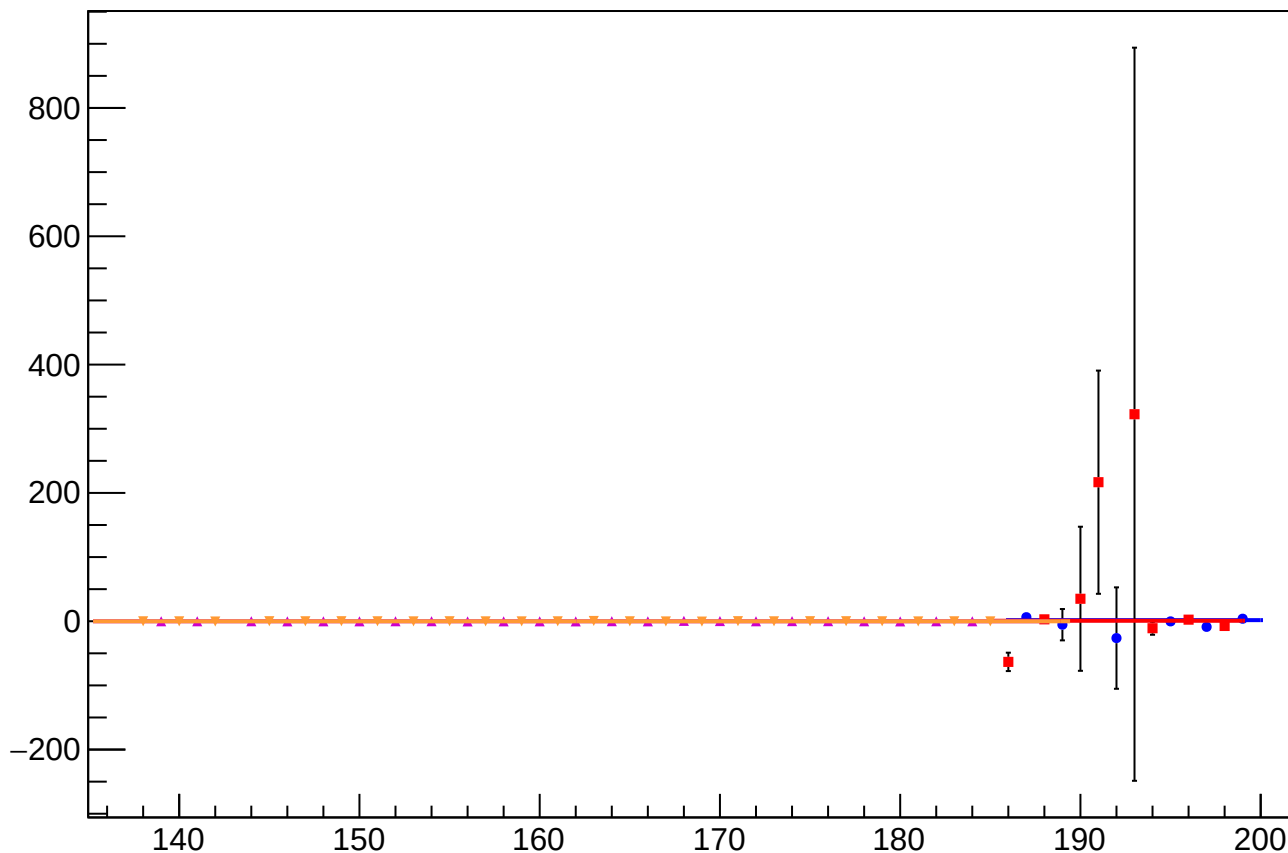
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.894 ± 0.014 $\chi^2/\text{NDF}: 111383.1/47$

All: -39.656 ± 0.010 $\chi^2/\text{NDF}: 194373.7/96$

- sign -39.415 ± 0.014 $\chi^2/\text{NDF}: 82433.8/48$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.723 $\pm$ 2.090 χ^2 /NDF: 7.8/5

Left Out: -0.089 $\pm$ 0.022 χ^2 /NDF: 39.7/23

Right Out: 0.769 $\pm$ 1.716 χ^2 /NDF: 26.5/7

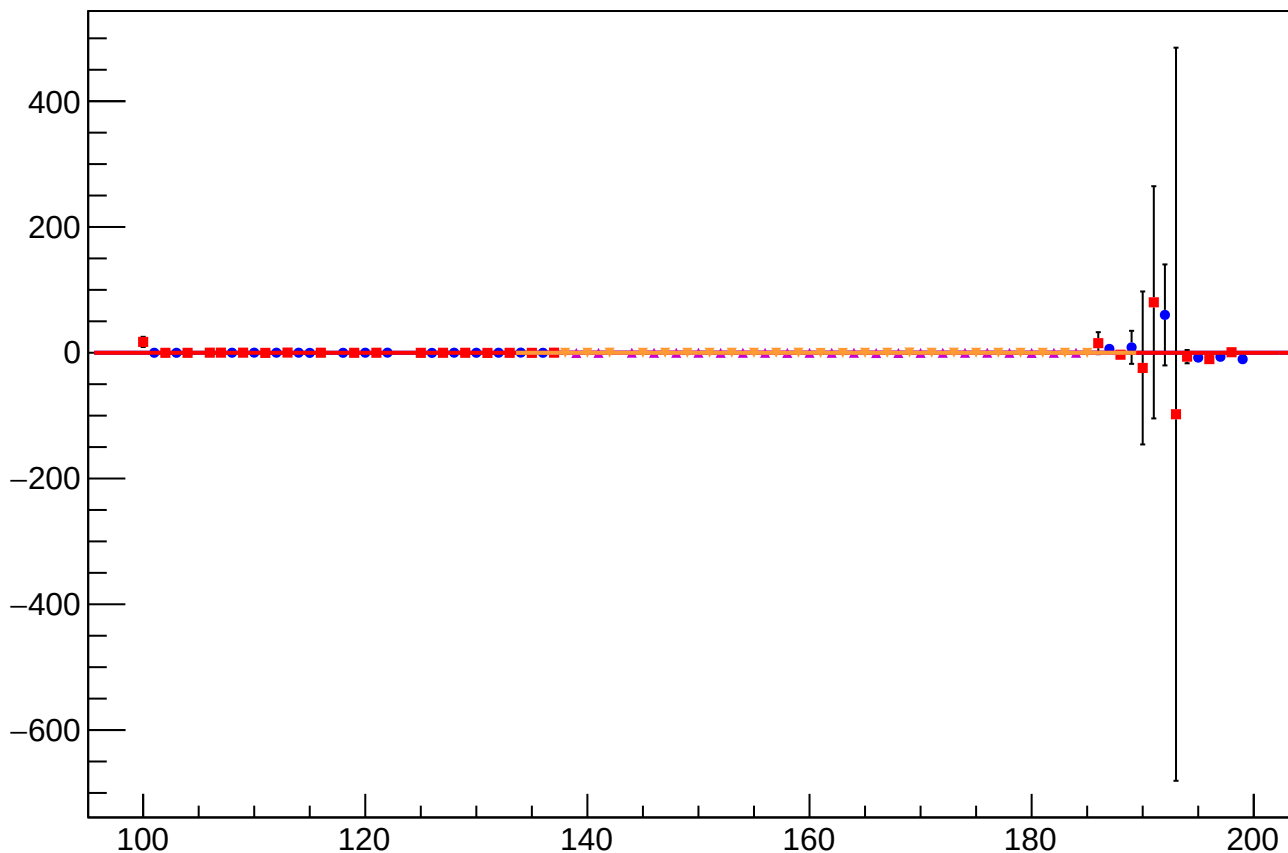
Left In: -0.026 $\pm$ 0.022 χ^2 /NDF: 33.3/22

+ sign -0.088 $\pm$ 0.022 χ^2 /NDF: 48.3/29

All: -0.057 $\pm$ 0.016 χ^2 /NDF: 112.3/60

- sign -0.025 $\pm$ 0.022 χ^2 /NDF: 60.0/30

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 21.2/21

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.051 ± 0.029 χ^2/NDF : 30.8/25

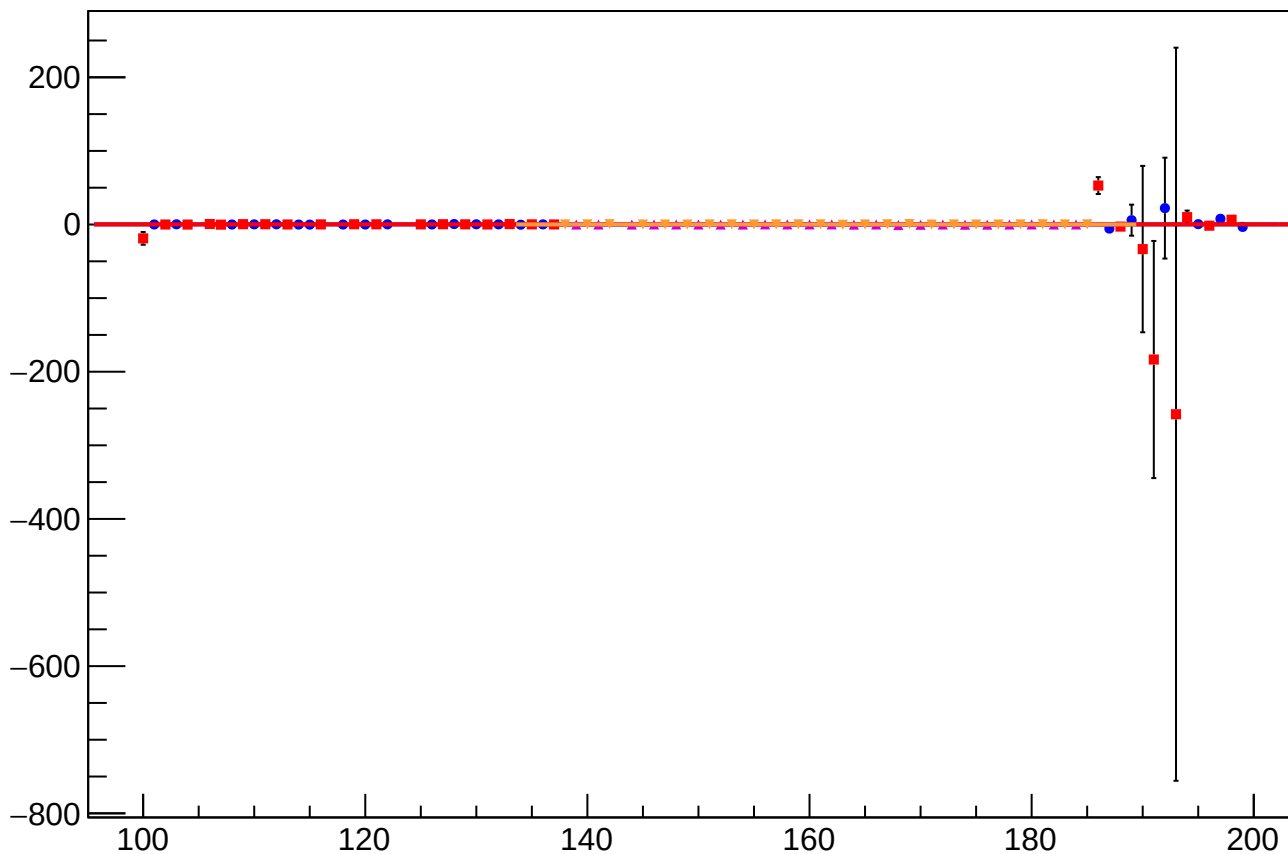
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 52.6/45

All: -0.056 ± 0.011 χ^2/NDF : 115.3/94

- sign -0.052 ± 0.015 χ^2/NDF : 62.5/48

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.173 ± 0.053 χ^2/NDF : 22.5/21

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.234 ± 0.054 χ^2/NDF : 50.9/25

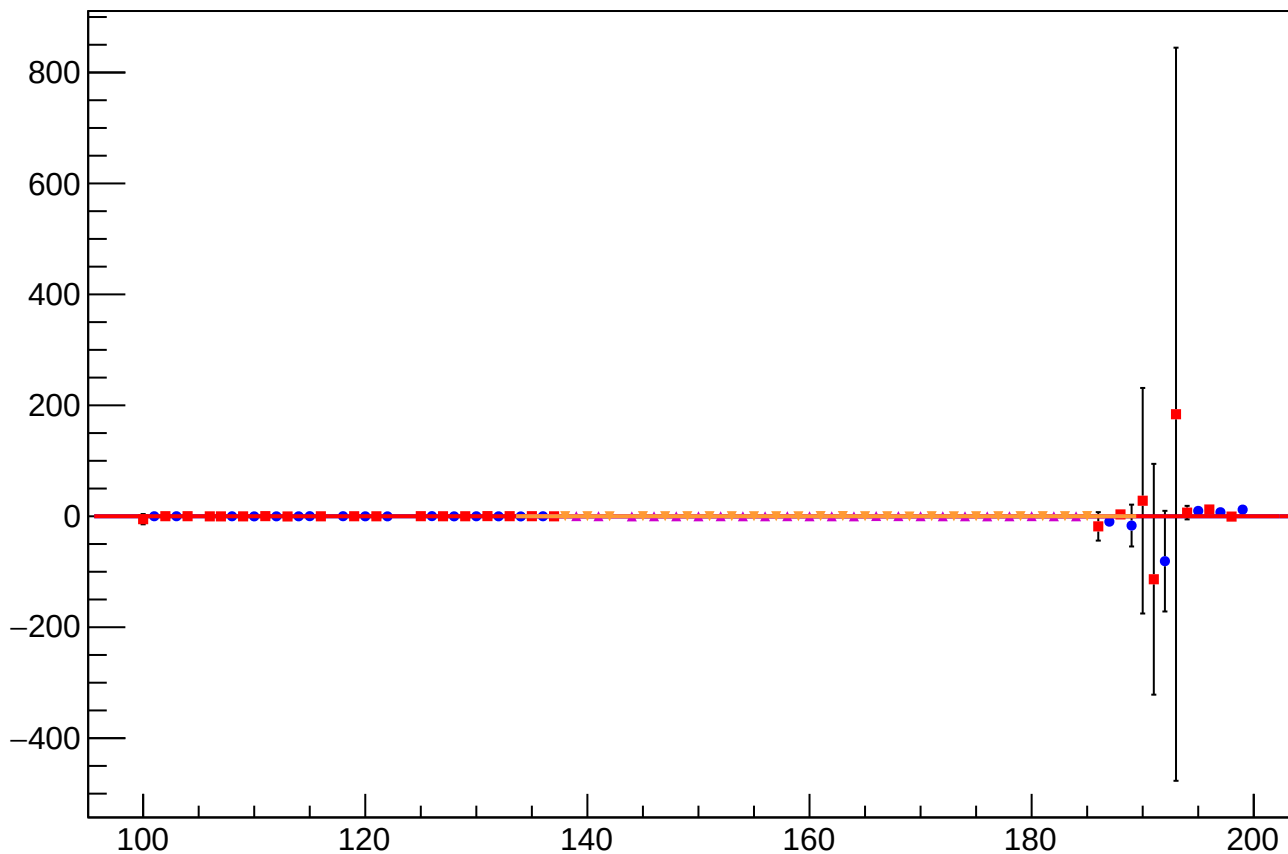
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 63.4/45

All: 0.073 ± 0.014 χ^2/NDF : 165.7/94

- sign 0.051 ± 0.021 χ^2/NDF : 99.9/48

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.006 ± 0.033 $\chi^2/\text{NDF}: 23.4/21$

Left Out: 0.105 ± 0.020 $\chi^2/\text{NDF}: 29.5/23$

Right Out: 0.057 ± 0.034 $\chi^2/\text{NDF}: 25.2/25$

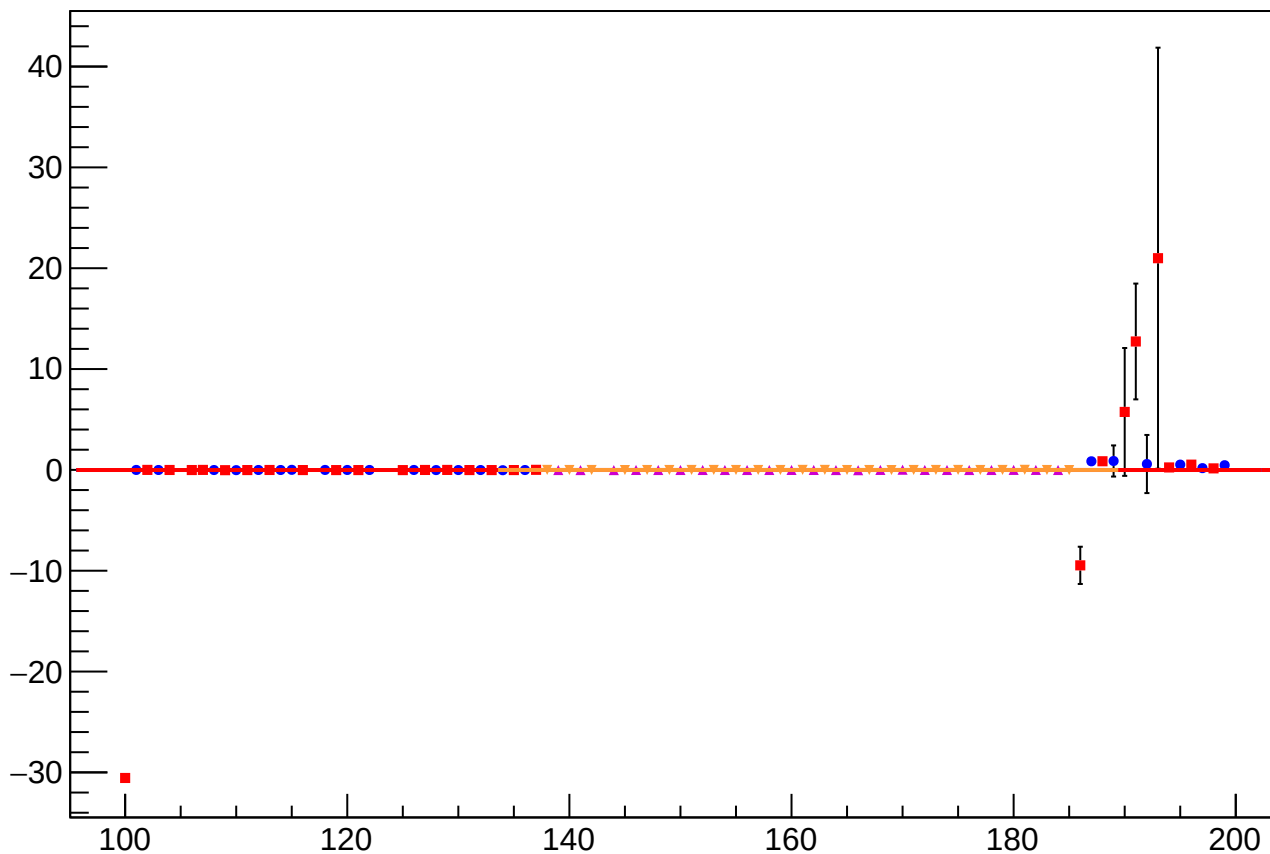
Left In: 0.069 ± 0.020 $\chi^2/\text{NDF}: 31.3/22$

+ sign 0.076 ± 0.017 $\chi^2/\text{NDF}: 61.3/45$

All: 0.071 ± 0.012 $\chi^2/\text{NDF}: 118.1/94$

- sign 0.066 ± 0.017 $\chi^2/\text{NDF}: 56.6/48$

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 31.2/21

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11943.9/25

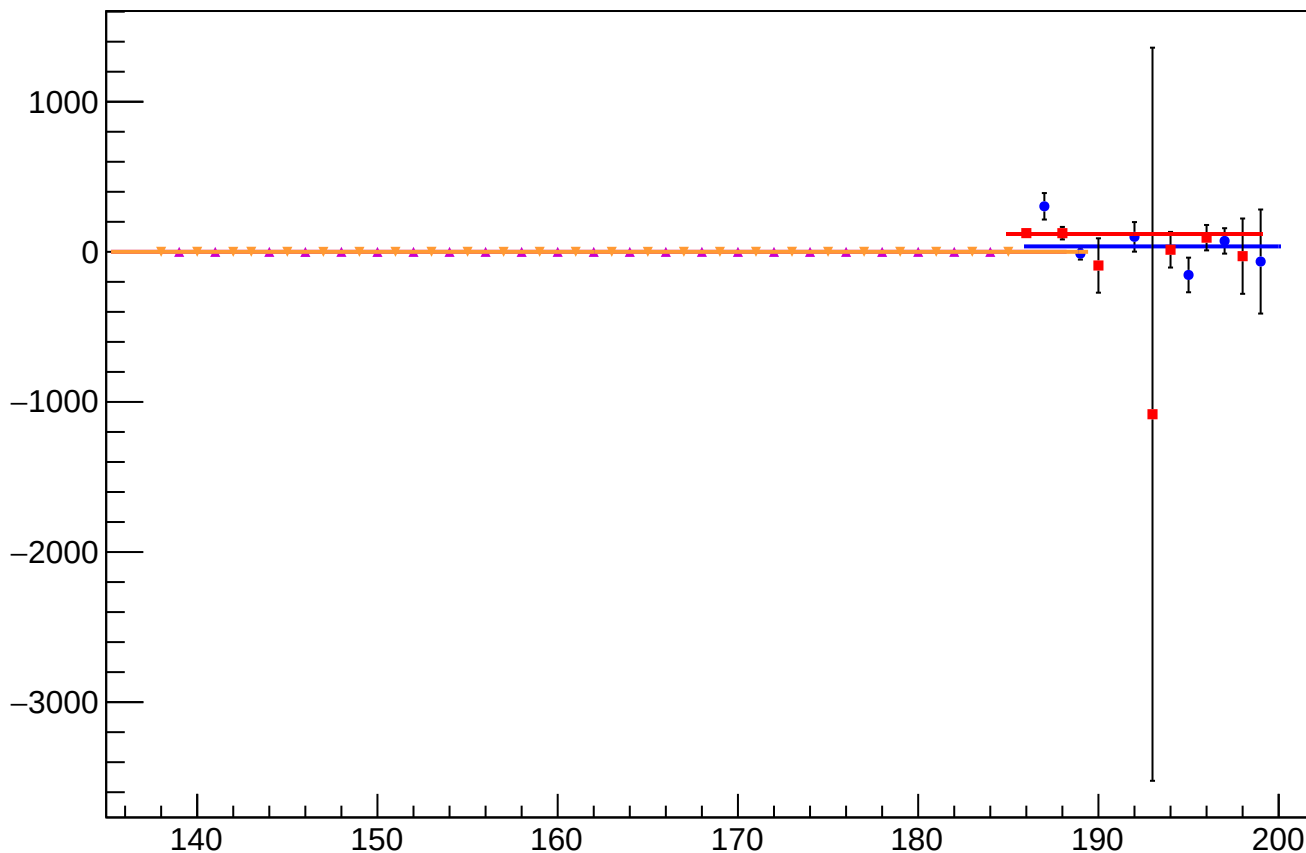
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 64.9/45

All: -0.009 ± 0.001 χ^2/NDF : 12052.4/94

- sign -0.009 ± 0.001 χ^2/NDF : 11987.2/48

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 36.202 $\pm$ 30.197 χ^2 /NDF: 14.1/5

Left Out: 0.017 $\pm$ 0.027 χ^2 /NDF:30.9/24

Right Out: 118.829 $\pm$ 16.536 χ^2 /NDF: 2.9/6

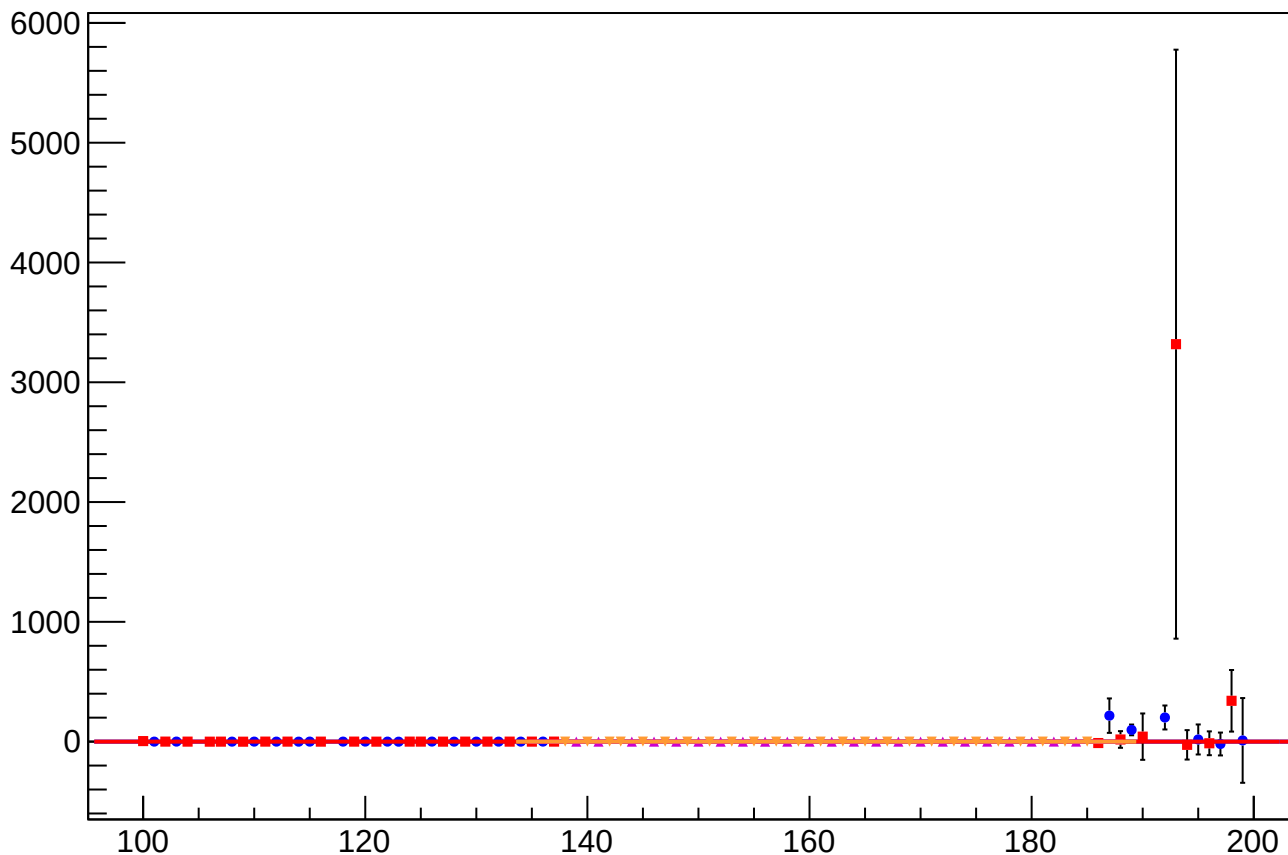
Left In: 0.002 $\pm$ 0.028 χ^2 /NDF:29.0/22

+ sign 0.018 $\pm$ 0.027 χ^2 /NDF: 46.5/30

All: 0.010 $\pm$ 0.019 χ^2 /NDF: 130.2/60

- sign 0.003 $\pm$ 0.028 χ^2 /NDF: 83.6/29

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 34.1/22

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 22.5/25

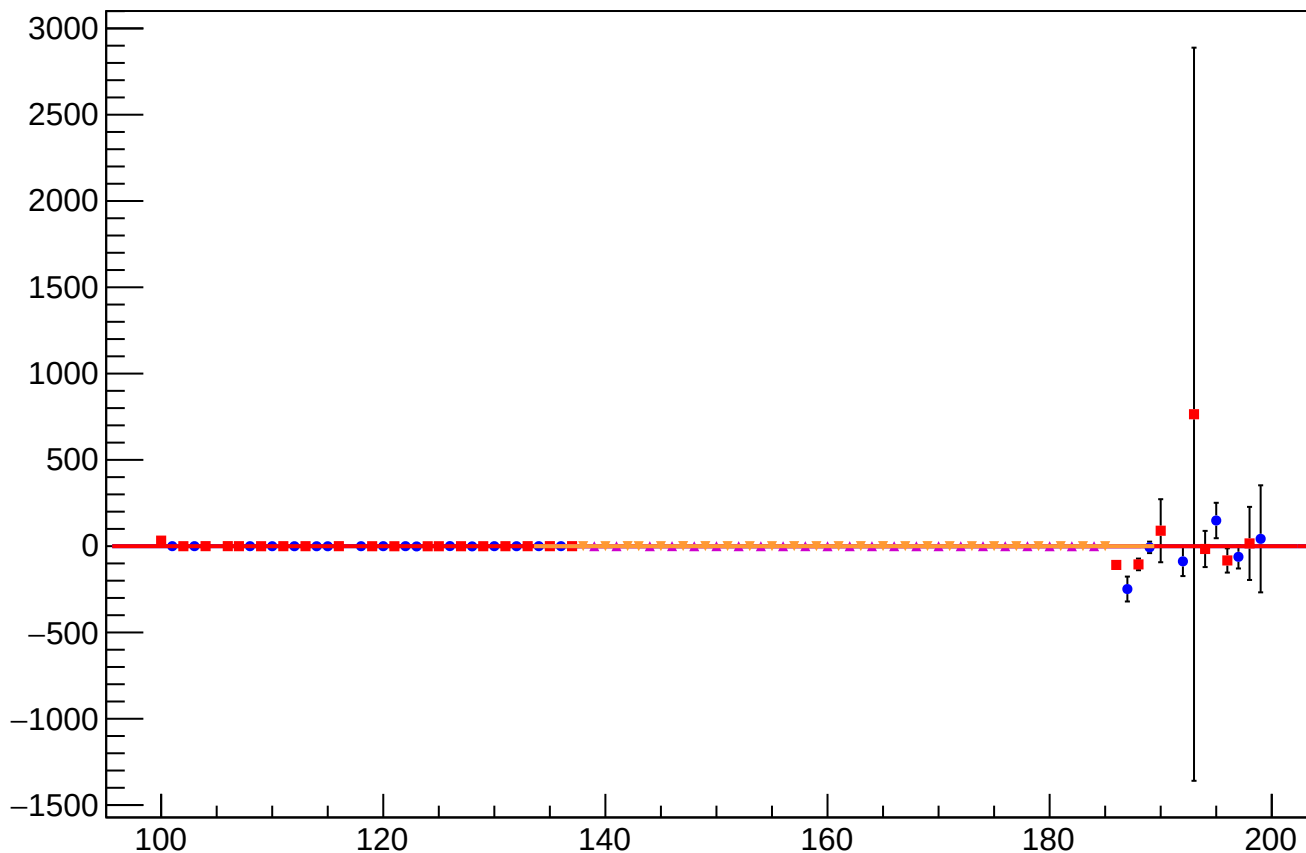
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 59.5/47

All: -0.066 ± 0.013 χ^2/NDF : 133.7/96

- sign -0.083 ± 0.019 χ^2/NDF : 72.6/48

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 40.6/22

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 77.6/25

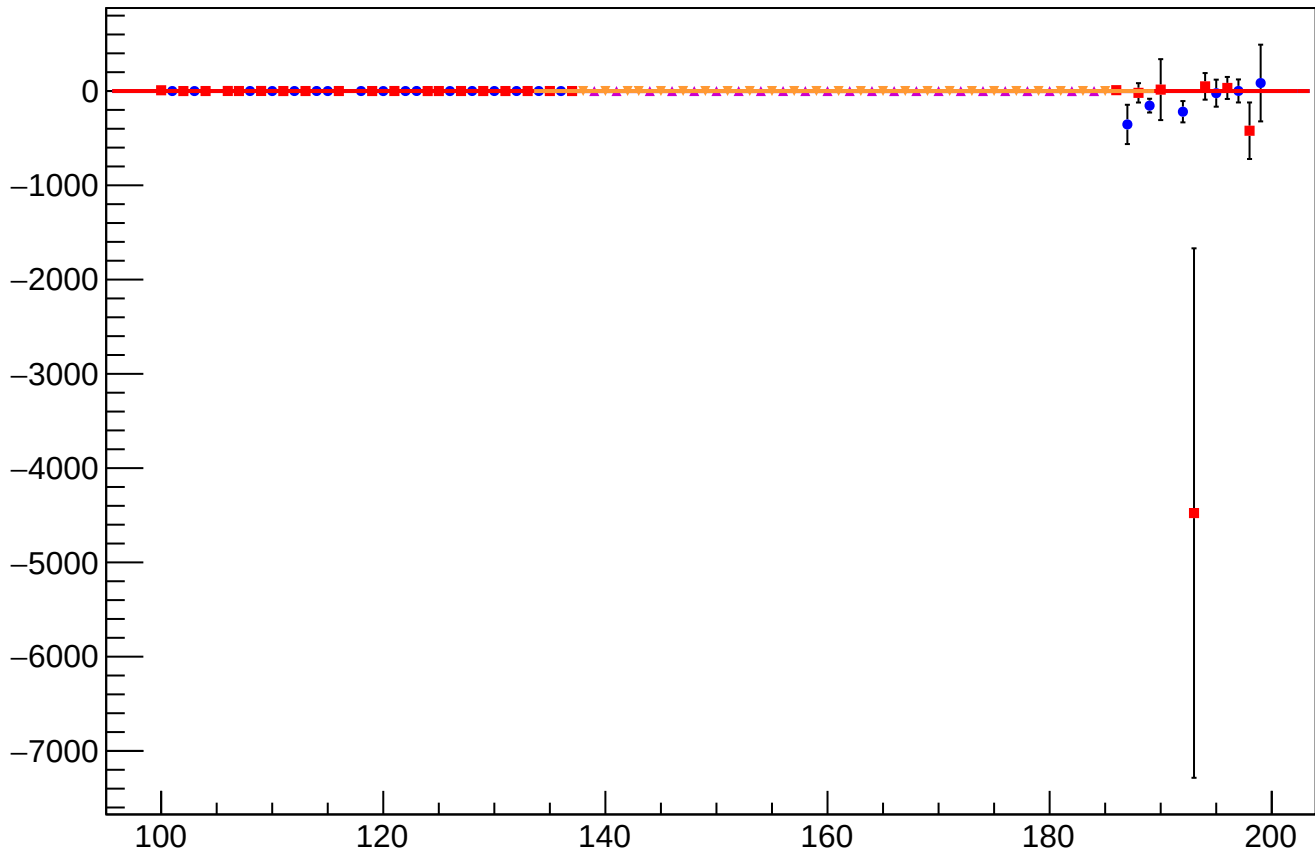
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 72.3/47

All: -0.042 ± 0.018 χ^2/NDF : 181.7/96

- sign -0.050 ± 0.026 χ^2/NDF : 109.2/48

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018+/-0.043 χ^2/NDF : 32.8/22

Left Out: 0.063+/-0.024 χ^2/NDF : 24.6/24

Right Out: 0.144+/-0.045 χ^2/NDF : 21.6/25

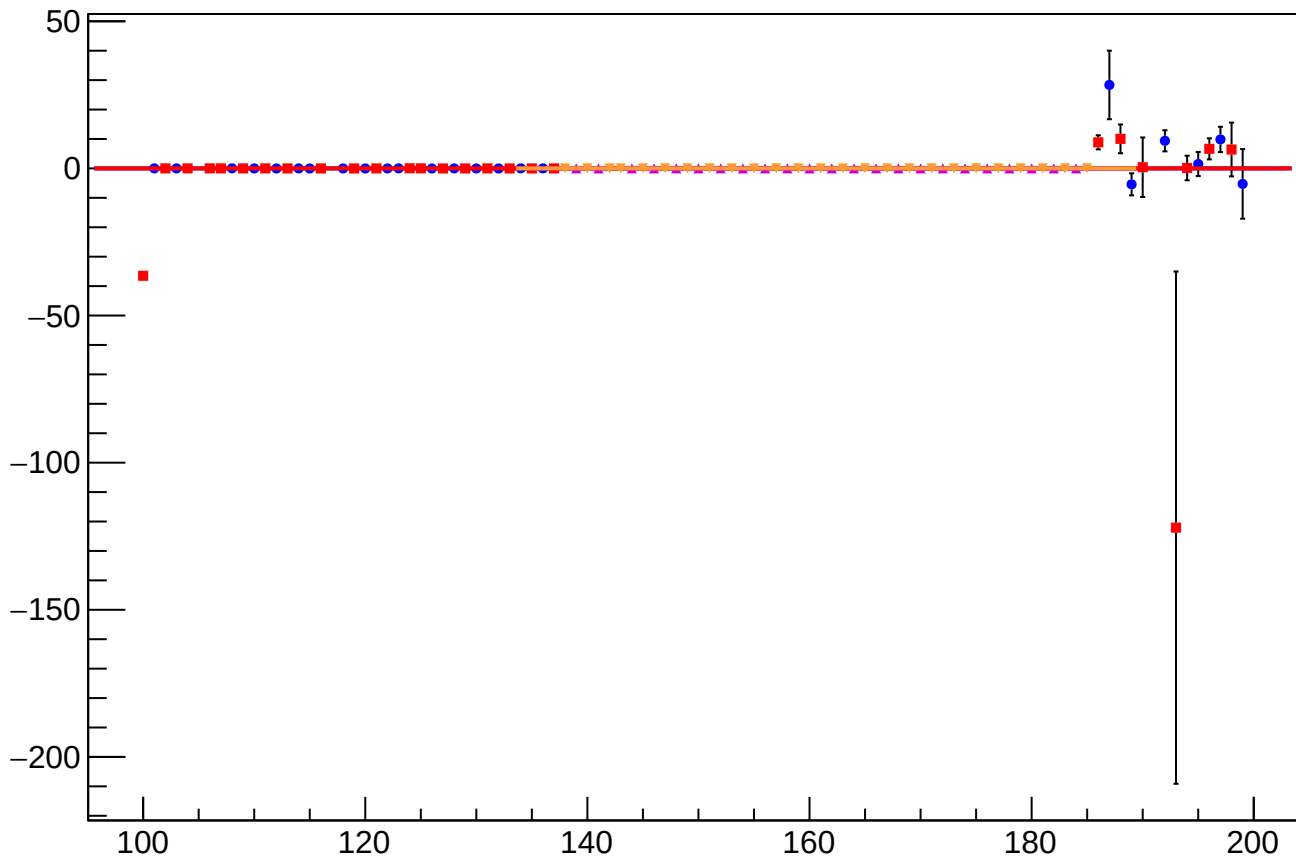
Left In: 0.069+/-0.025 χ^2/NDF : 51.8/22

+ sign 0.052+/-0.021 χ^2/NDF : 58.3/47

All: 0.069+/-0.015 χ^2/NDF : 135.1/96

- sign 0.086+/-0.022 χ^2/NDF : 75.6/48

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 50.9/22

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10472.8/25

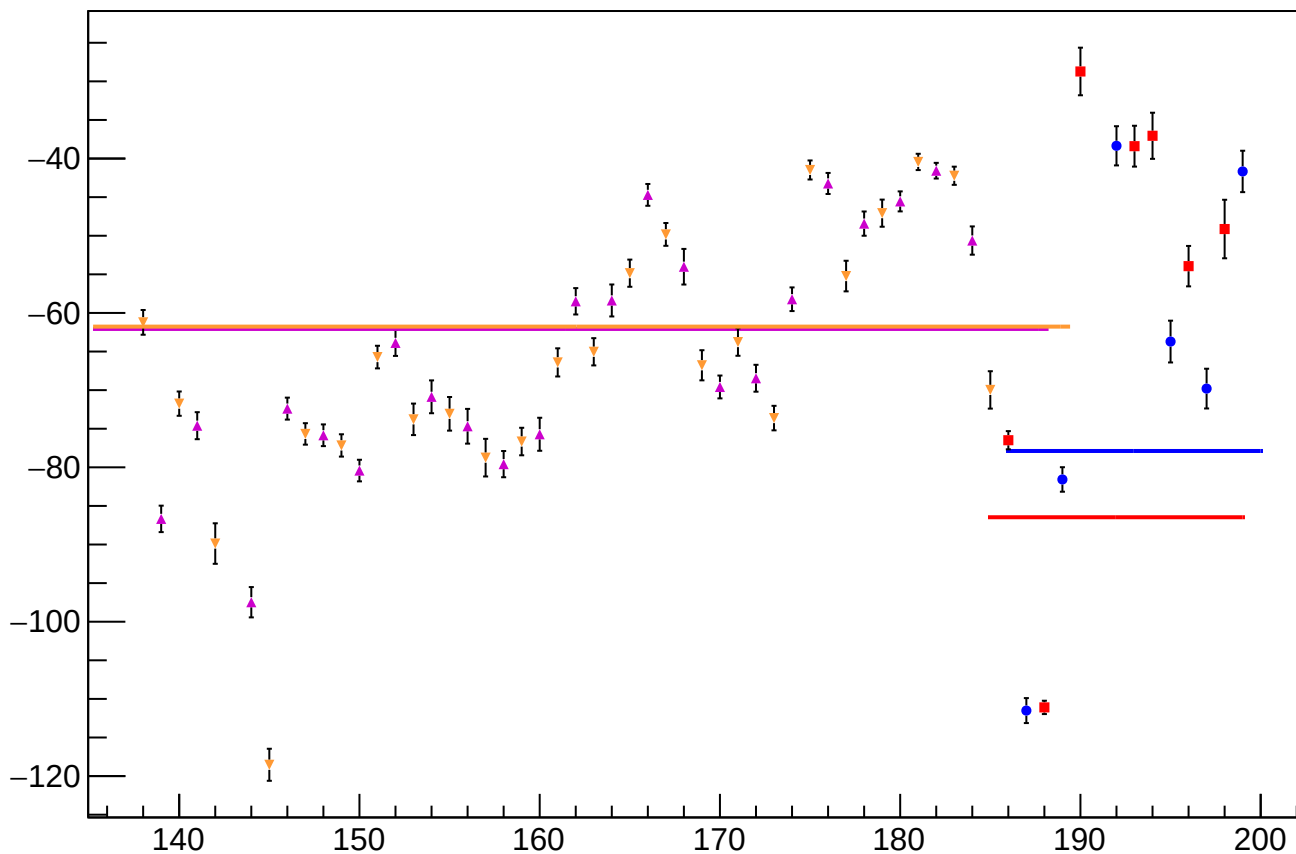
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 85.2/47

All: 0.007 ± 0.001 χ^2/NDF : 10583.5/96

- sign 0.007 ± 0.001 χ^2/NDF : 10498.2/48

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -77.883 ± 0.857 χ^2/NDF : 899.6/5

Left Out: -61.771 ± 0.334 χ^2/NDF : 2504.9/23

Right Out: -86.468 ± 0.616 χ^2/NDF : 2090.0/6

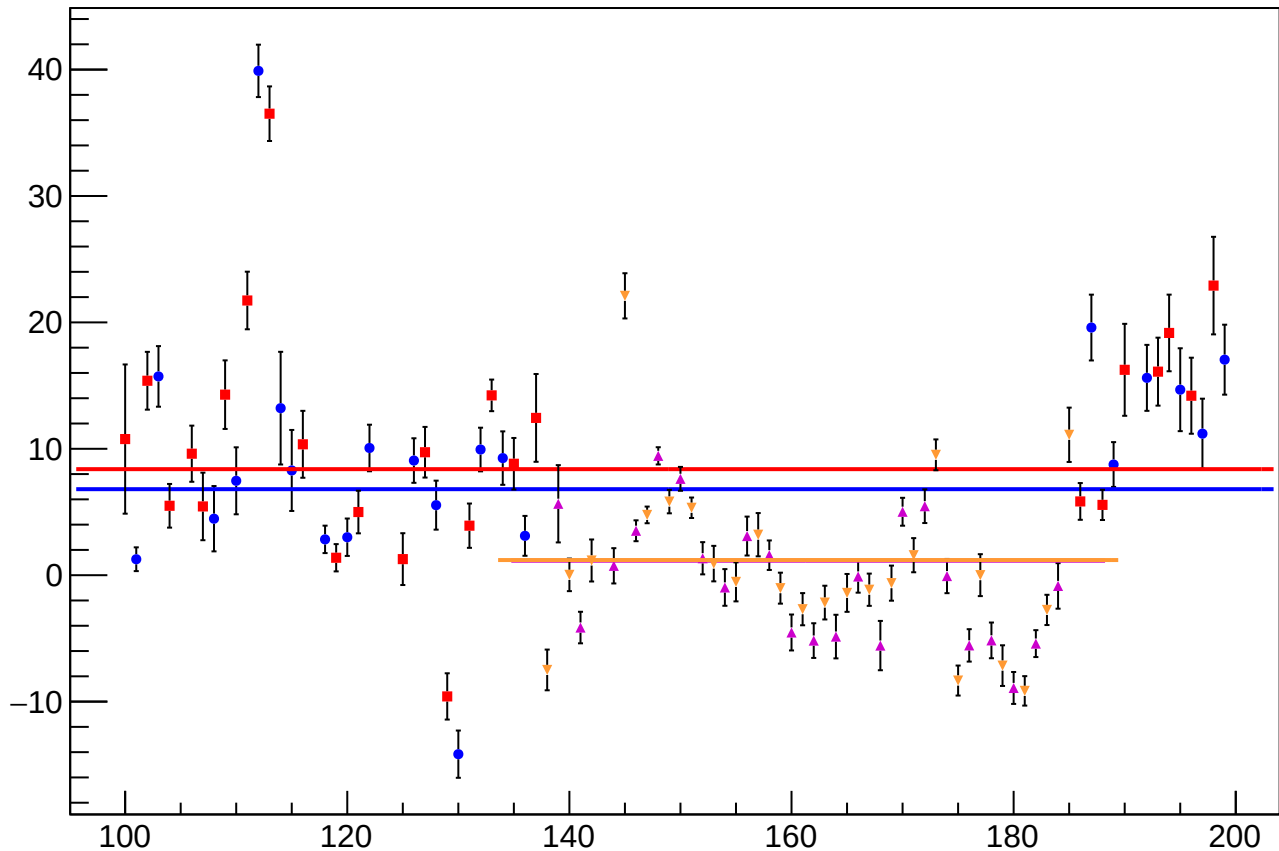
Left In: -62.073 ± 0.332 χ^2/NDF : 2192.0/22

+ sign -63.893 ± 0.311 χ^2/NDF : 3711.2/29

All: -65.846 ± 0.213 χ^2/NDF : 9281.9/59

- sign -67.572 ± 0.292 χ^2/NDF : 5496.5/29

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 6.805 ± 0.396 $\chi^2/\text{NDF}: 526.4/21$

Left Out: 1.198 ± 0.253 $\chi^2/\text{NDF}: 526.3/23$

Right Out: 8.389 ± 0.391 $\chi^2/\text{NDF}: 460.1/24$

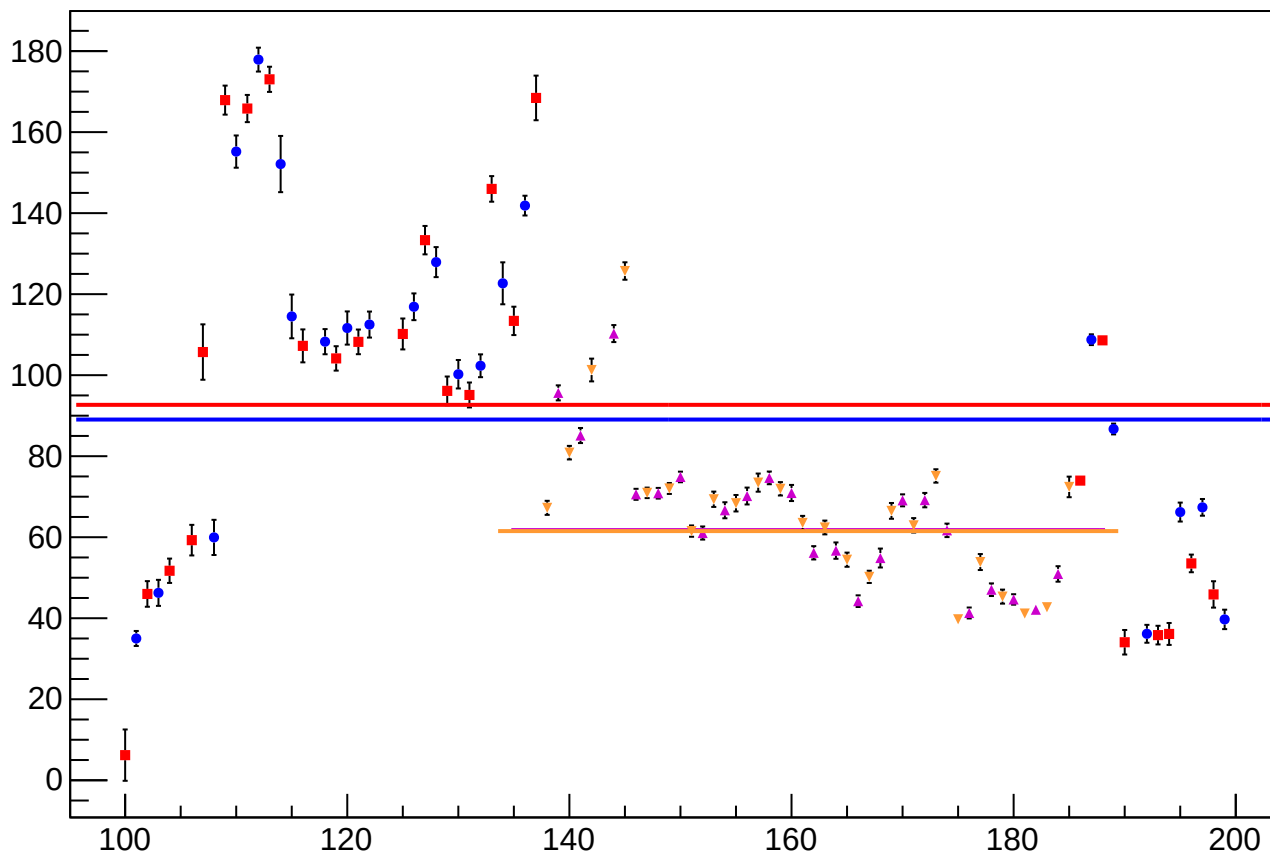
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 2.820 ± 0.213 $\chi^2/\text{NDF}: 1195.3/45$

All: 3.065 ± 0.151 $\chi^2/\text{NDF}: 2361.6/93$

- sign 3.311 ± 0.214 $\chi^2/\text{NDF}: 1163.6/47$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 89.048 $\pm$ 0.539 χ^2 /NDF: 4633.7/21

Left Out: 61.512 $\pm$ 0.332 χ^2 /NDF: 2606.0/23

Right Out: 92.678 $\pm$ 0.432 χ^2 /NDF: 5846.6/24

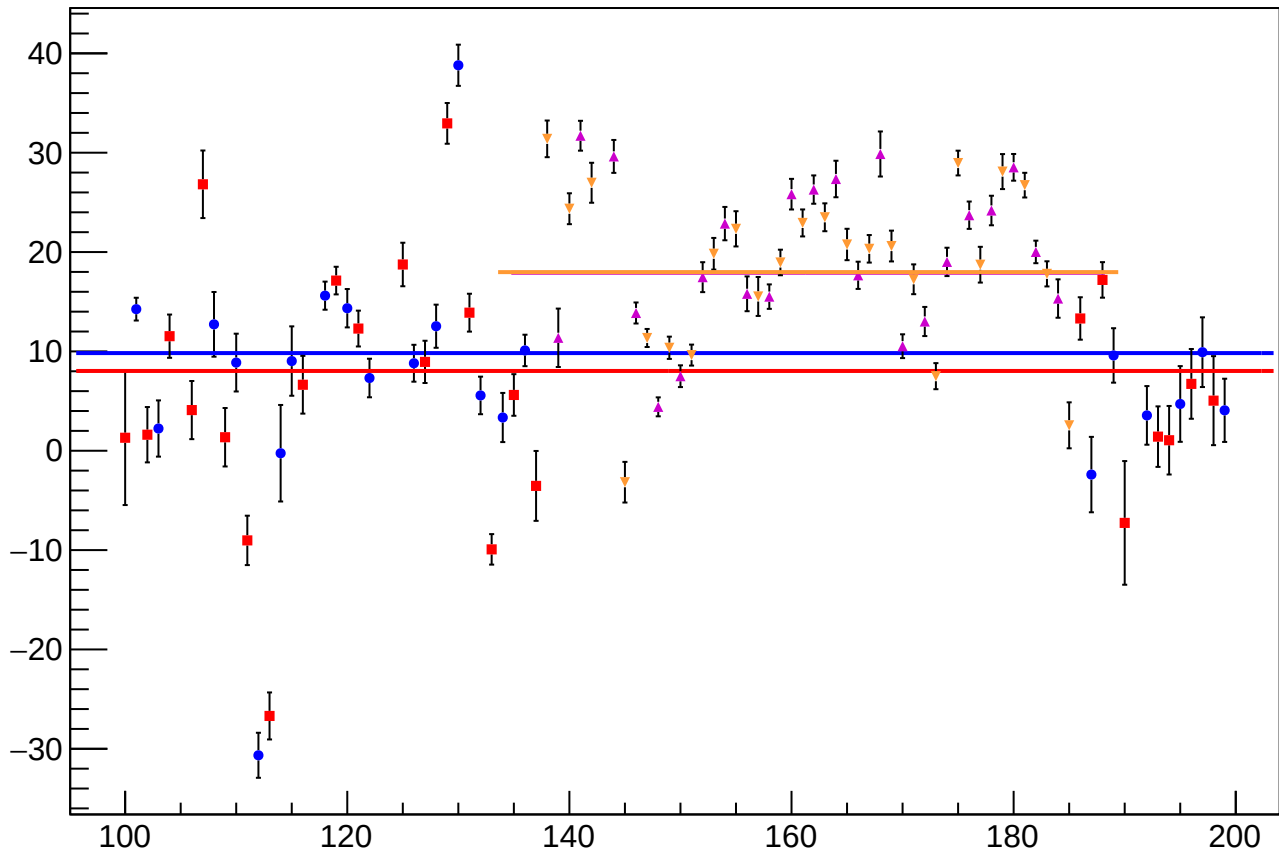
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 69.089 $\pm$ 0.283 χ^2 /NDF: 9128.8/45

All: 71.283 $\pm$ 0.192 χ^2 /NDF: 20743.4/93

- sign 73.166 $\pm$ 0.262 χ^2 /NDF: 11502.9/47

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 9.831 ± 0.467 $\chi^2/\text{NDF}: 599.5/21$

Left Out: 17.980 ± 0.291 $\chi^2/\text{NDF}: 674.4/23$

Right Out: 8.031 ± 0.470 $\chi^2/\text{NDF}: 735.5/24$

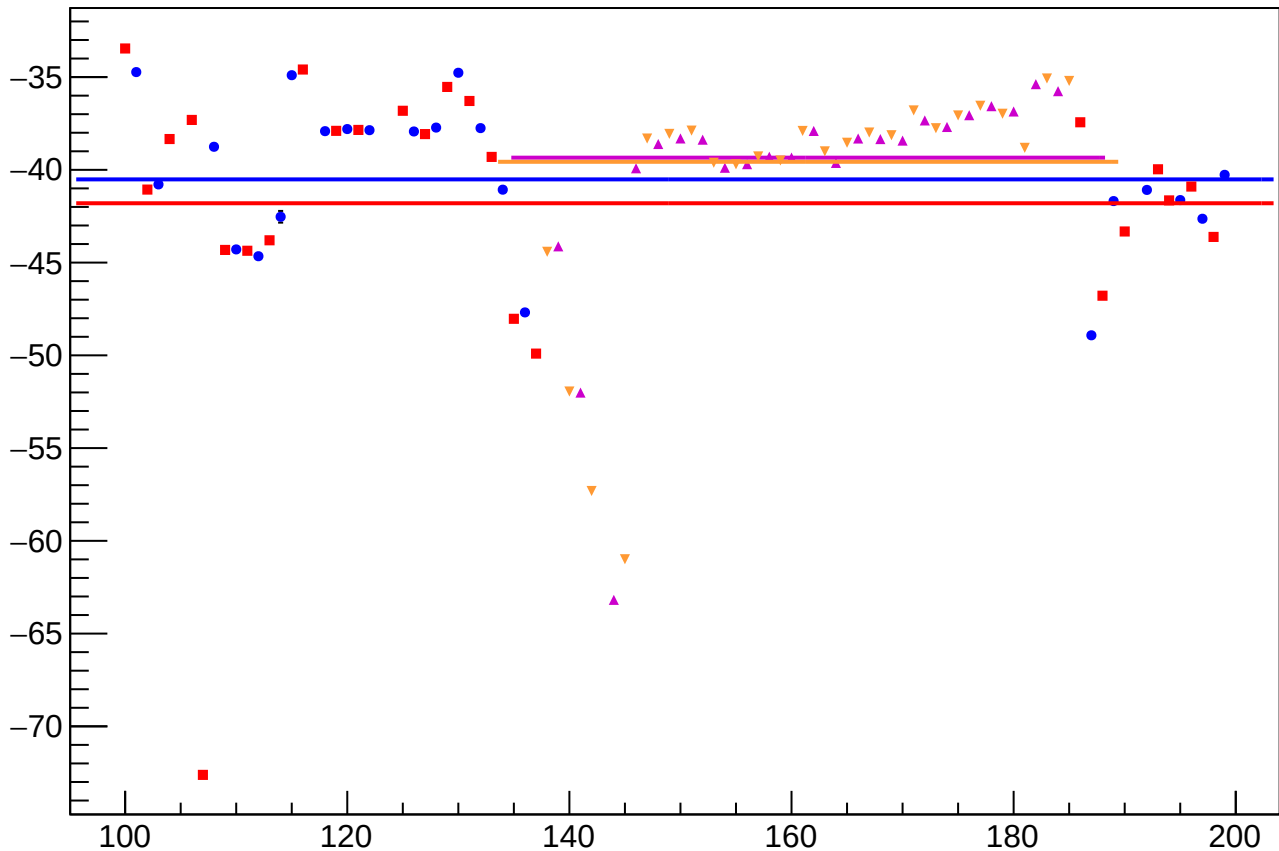
Left In: 17.916 ± 0.292 $\chi^2/\text{NDF}: 726.5/22$

+ sign 15.699 ± 0.247 $\chi^2/\text{NDF}: 1493.6/45$

All: 15.432 ± 0.175 $\chi^2/\text{NDF}: 3276.6/93$

- sign 15.161 ± 0.248 $\chi^2/\text{NDF}: 1780.6/47$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.515 ± 0.024 $\chi^2/\text{NDF}: 27331.0/21$

Left Out: -39.566 ± 0.014 $\chi^2/\text{NDF}: 141198.7/23$

Right Out: -41.801 ± 0.024 $\chi^2/\text{NDF}: 66171.0/24$

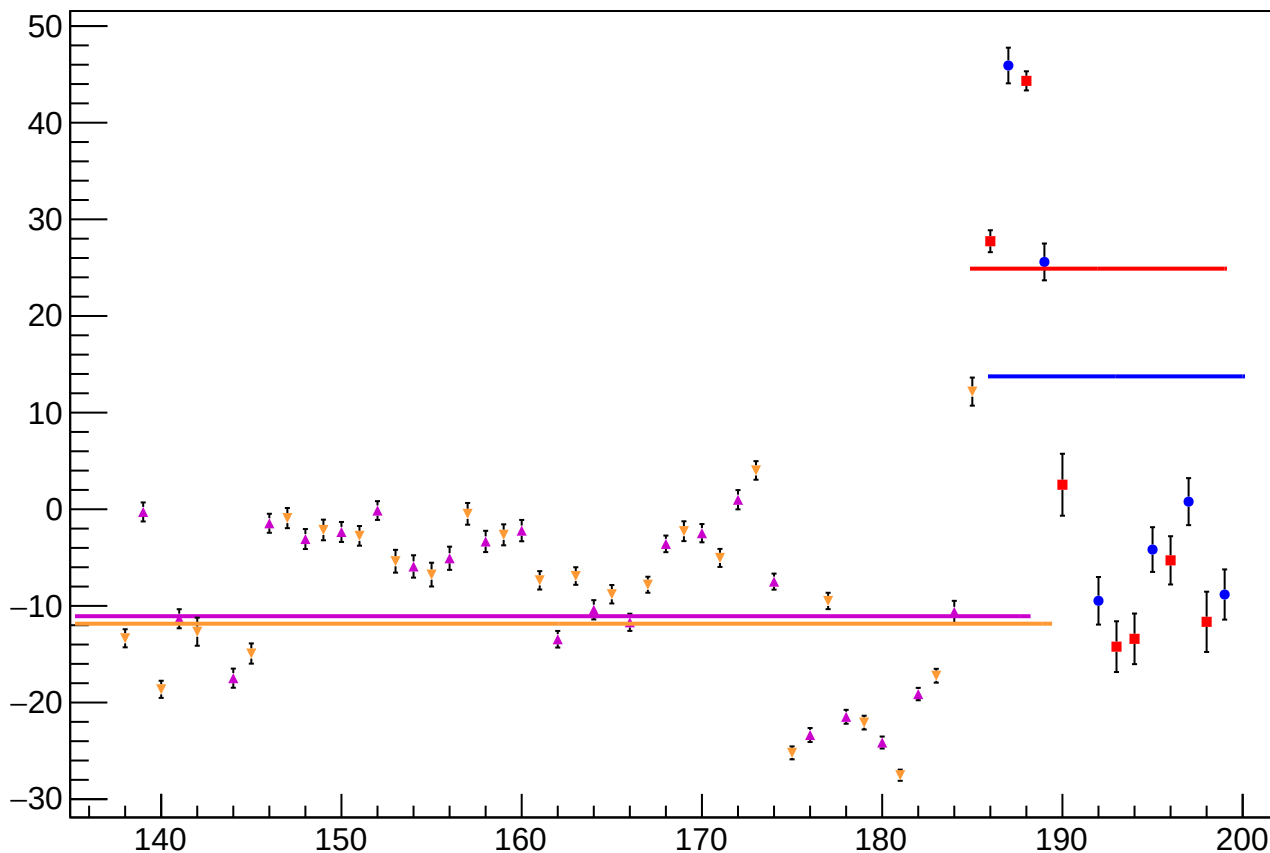
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.797 ± 0.012 $\chi^2/\text{NDF}: 169689.5/45$

All: -39.872 ± 0.008 $\chi^2/\text{NDF}: 360560.8/93$

- sign -39.946 ± 0.012 $\chi^2/\text{NDF}: 190792.2/47$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 13.750 ± 0.899 $\chi^2/\text{NDF}: 595.5/5$

Left Out: -11.842 ± 0.187 $\chi^2/\text{NDF}: 2739.8/23$

Right Out: 24.897 ± 0.639 $\chi^2/\text{NDF}: 1159.4/6$

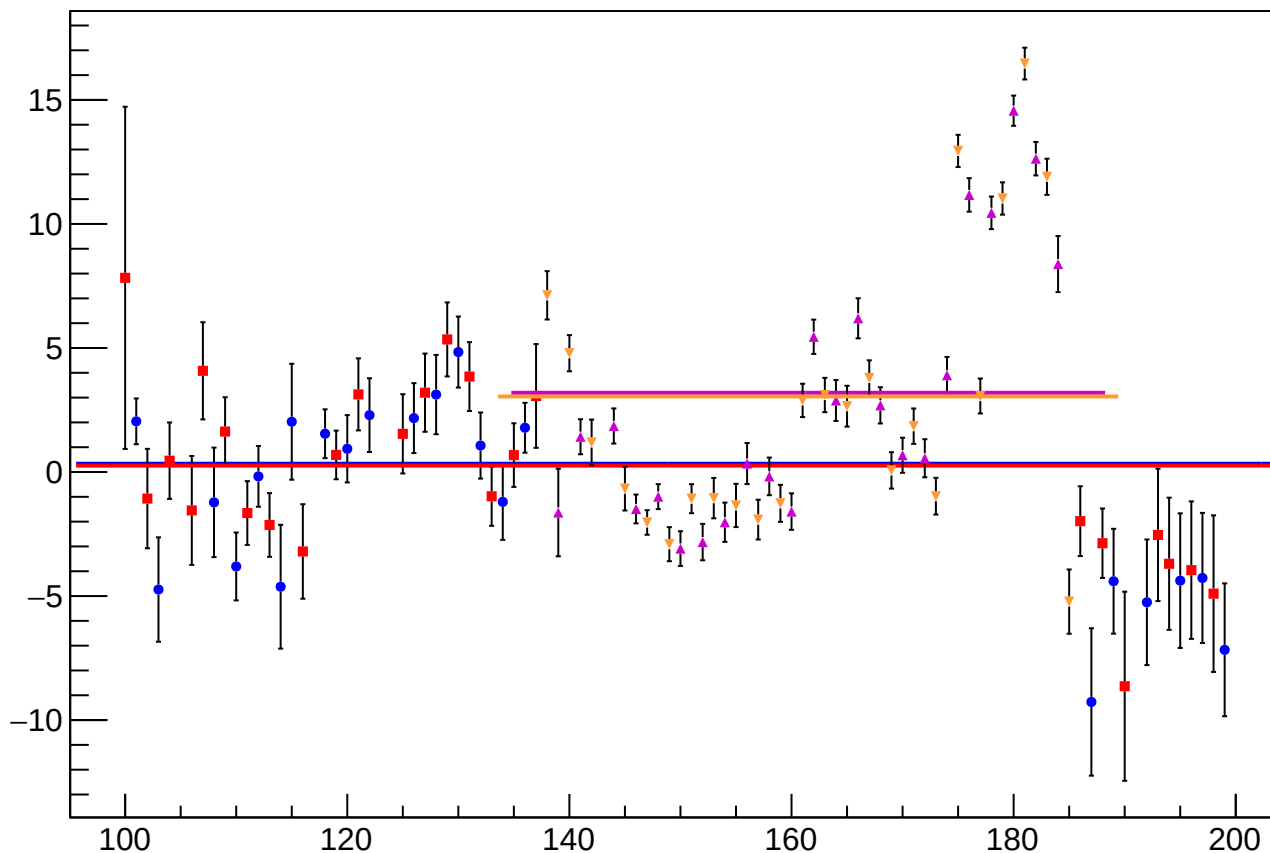
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -10.782 ± 0.183 $\chi^2/\text{NDF}: 4112.6/29$

All: -9.475 ± 0.128 $\chi^2/\text{NDF}: 10391.8/59$

- sign -8.204 ± 0.180 $\chi^2/\text{NDF}: 6178.5/29$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.334 ± 0.325 χ^2/NDF : 79.3/21

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: 0.258 ± 0.323 χ^2/NDF : 66.9/24

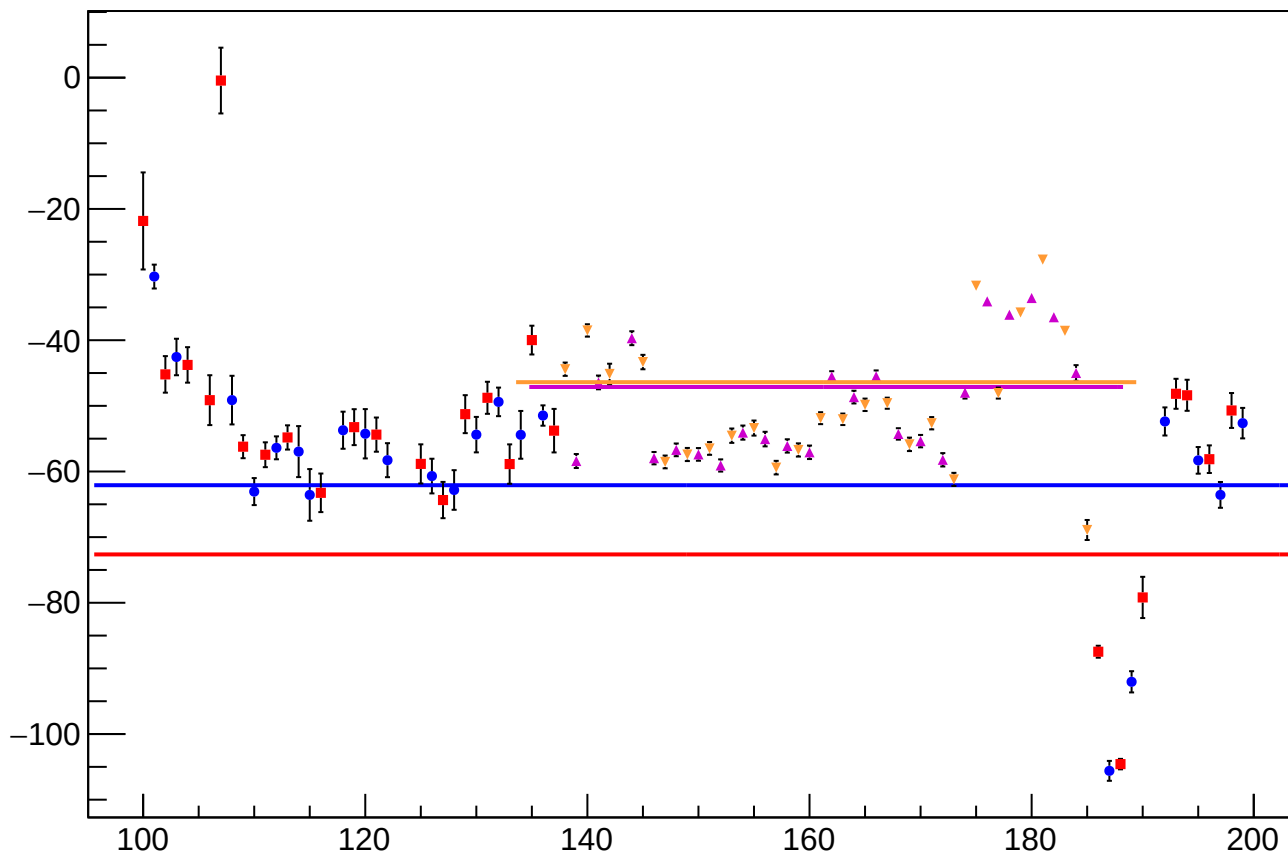
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.582 ± 0.135 χ^2/NDF : 1594.2/45

All: 2.627 ± 0.096 χ^2/NDF : 3024.3/93

- sign 2.673 ± 0.136 χ^2/NDF : 1429.9/47

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -62.091 ± 0.479 χ^2/NDF : 1697.5/21

Left Out: -46.392 ± 0.187 χ^2/NDF : 3286.7/23

Right Out: -72.635 ± 0.400 χ^2/NDF : 3522.3/24

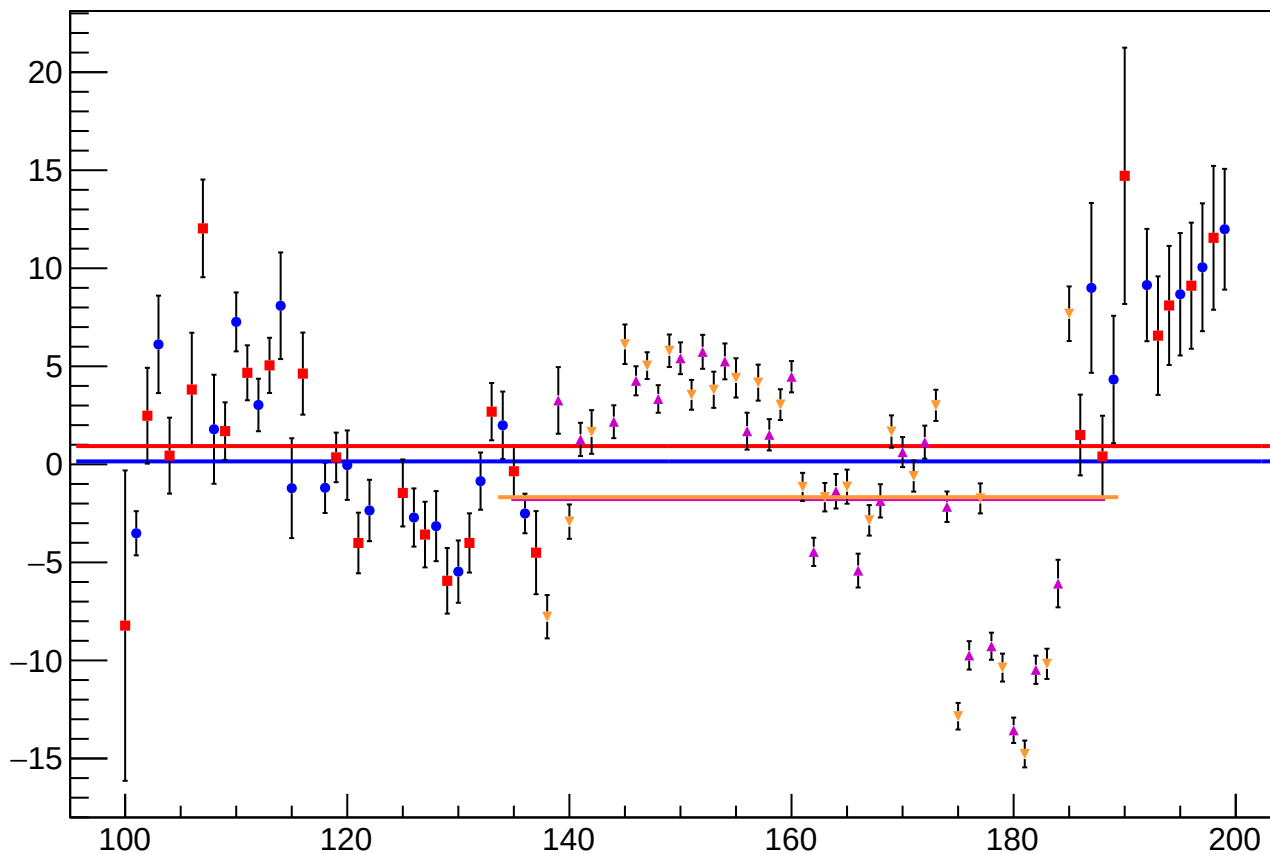
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -48.461 ± 0.174 χ^2/NDF : 5917.4/45

All: -50.124 ± 0.121 χ^2/NDF : 15466.9/93

- sign -51.706 ± 0.170 χ^2/NDF : 9371.0/47

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 0.151 ± 0.372 χ^2/NDF : 131.6/21

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 0.931 ± 0.375 χ^2/NDF : 126.4/24

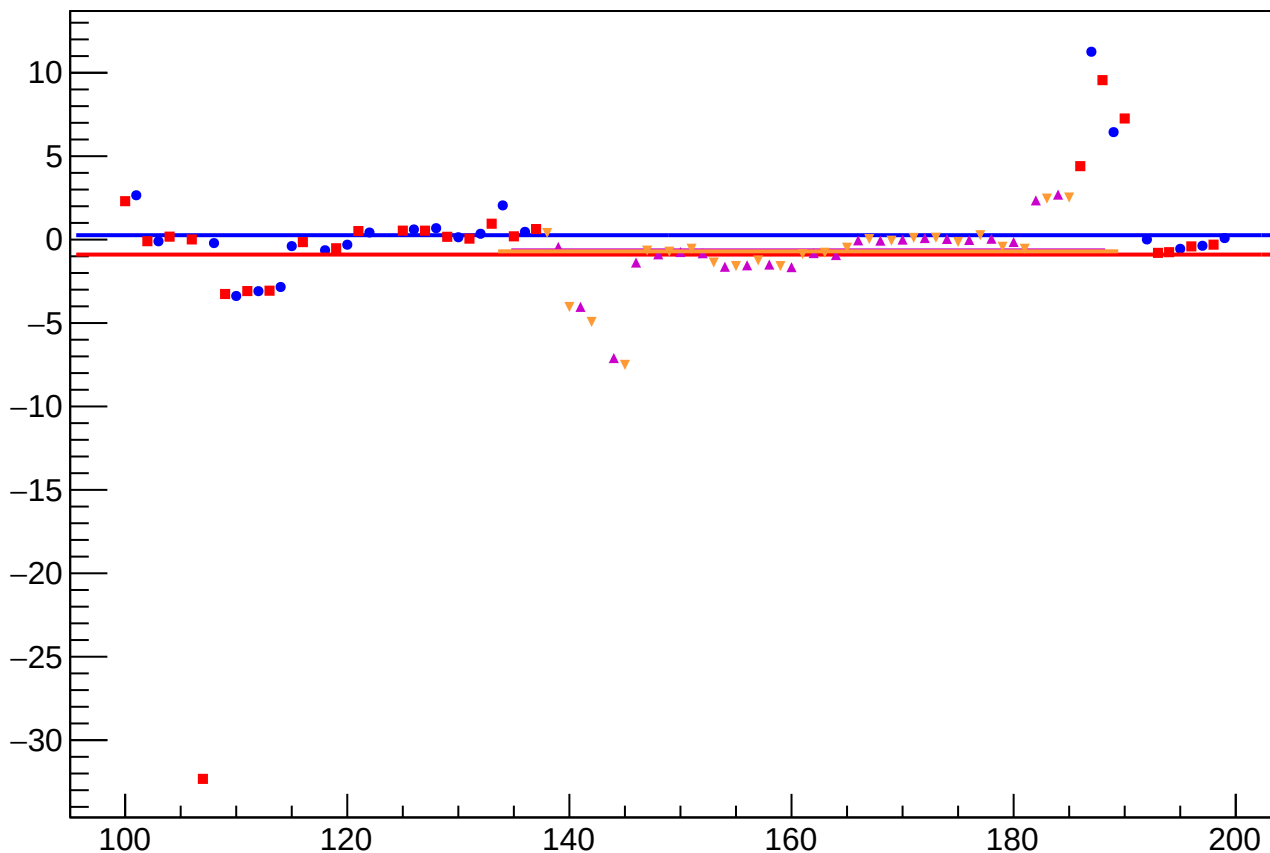
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.369 ± 0.152 χ^2/NDF : 1635.4/45

All: -1.342 ± 0.108 χ^2/NDF : 3056.4/93

- sign -1.315 ± 0.154 χ^2/NDF : 1420.9/47

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.265 ± 0.019 χ^2/NDF : 9231.8/21

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.897 ± 0.019 χ^2/NDF : 92293.2/24

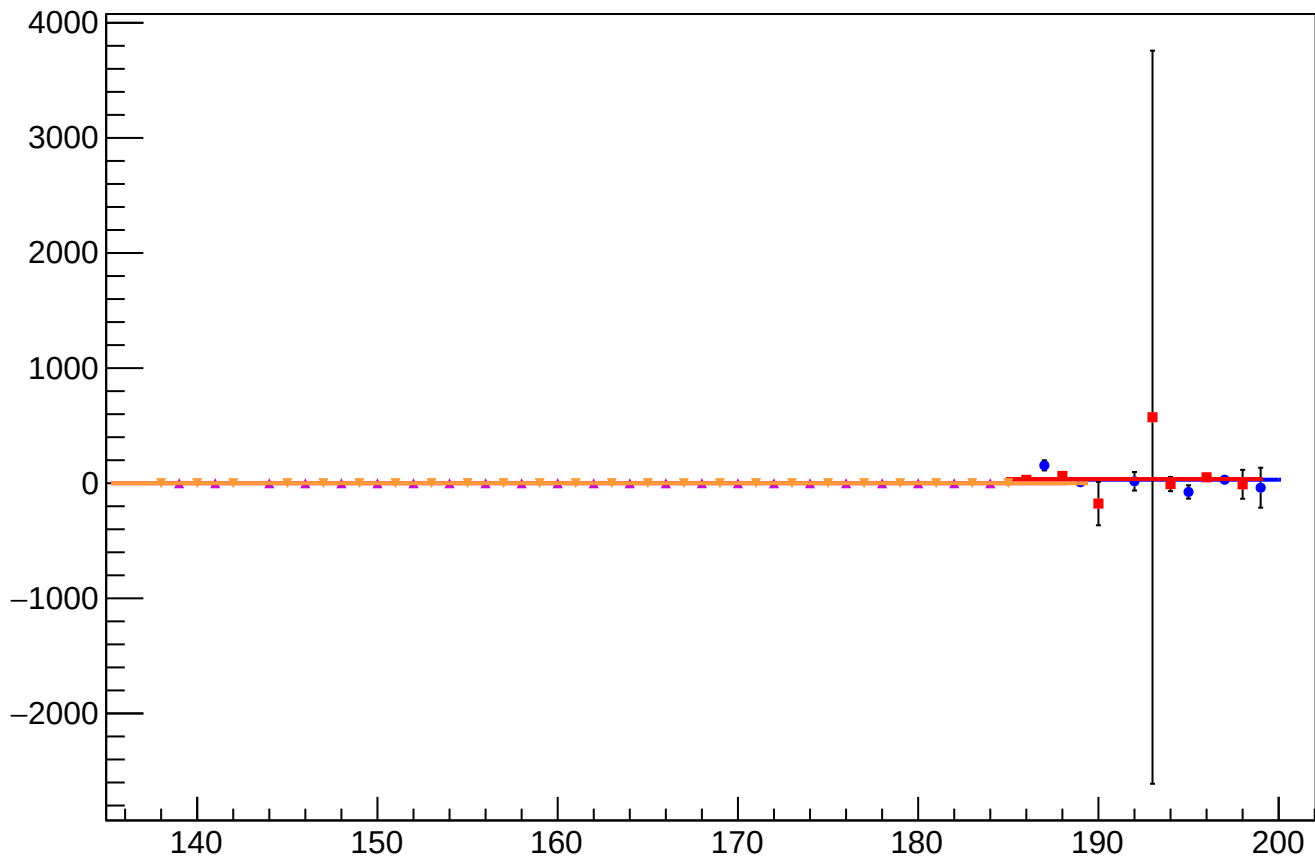
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.572 ± 0.007 χ^2/NDF : 65215.3/45

All: -0.625 ± 0.005 χ^2/NDF : 201938.0/93

- sign -0.678 ± 0.007 χ^2/NDF : 136610.7/47

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 30.644+/-18.822 χ^2/NDF : 12.1/5

Left Out: -0.037+/-0.018 χ^2/NDF : 35.4/23

Right Out: 36.730+/-9.979 χ^2/NDF : 4.0/6

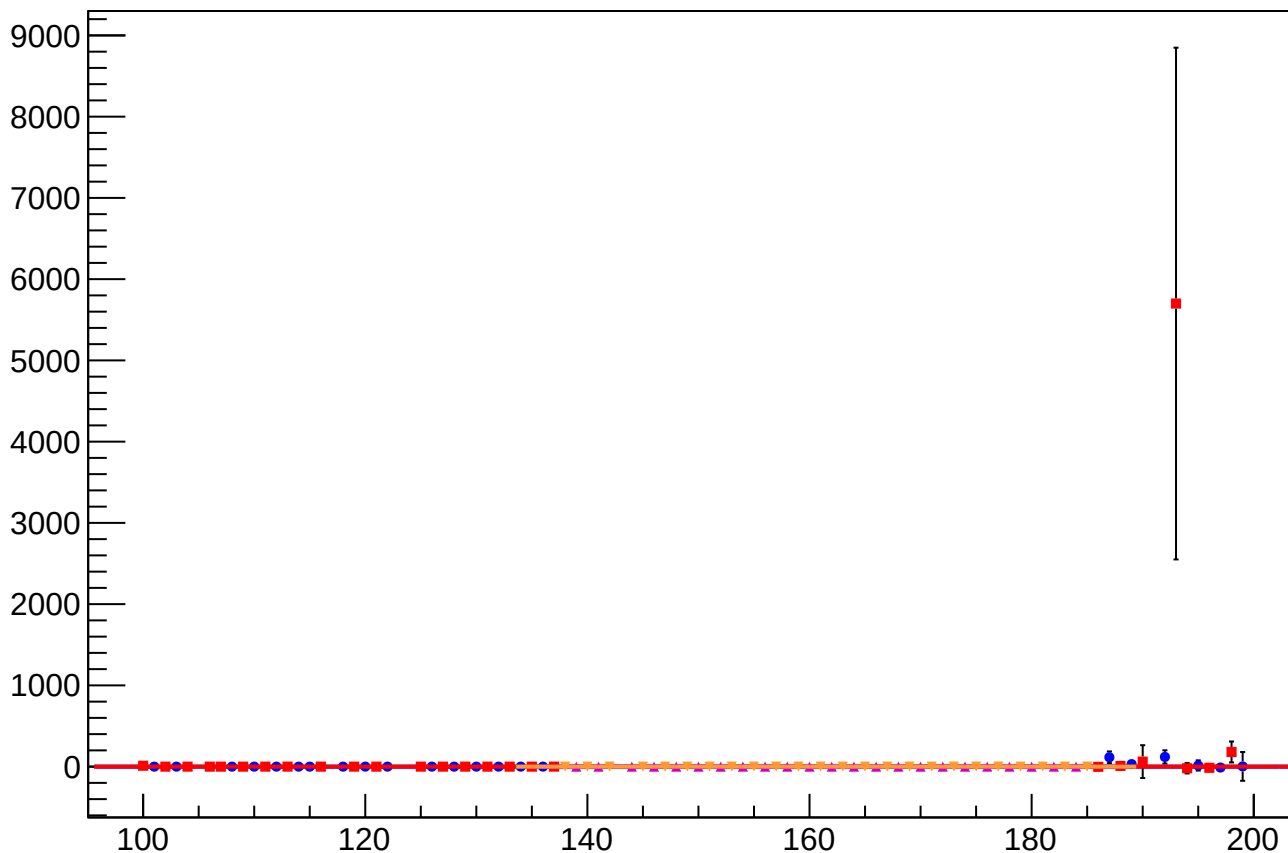
Left In: -0.010+/-0.018 χ^2/NDF : 35.1/22

+ sign -0.037+/-0.018 χ^2/NDF : 50.2/29

All: -0.024+/-0.013 χ^2/NDF : 104.0/59

- sign -0.010+/-0.018 χ^2/NDF : 52.7/29

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 17.8/21

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 18.5/24

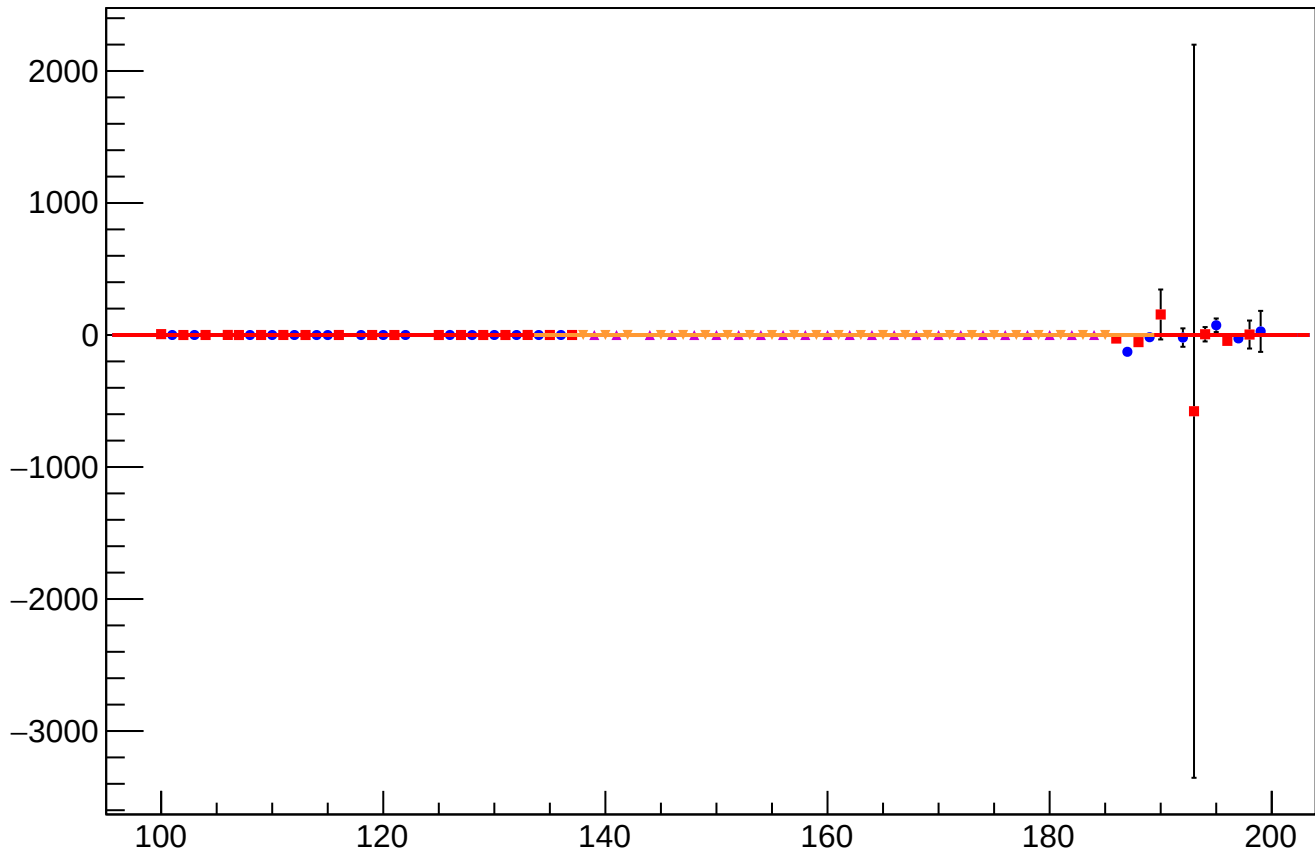
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 50.3/45

All: -0.063 ± 0.009 χ^2/NDF : 111.1/93

- sign -0.070 ± 0.012 χ^2/NDF : 60.3/47

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 24.7/21

Left Out: 0.035 $\pm$ 0.018 χ^2 /NDF:32.2/23

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 29.3/24

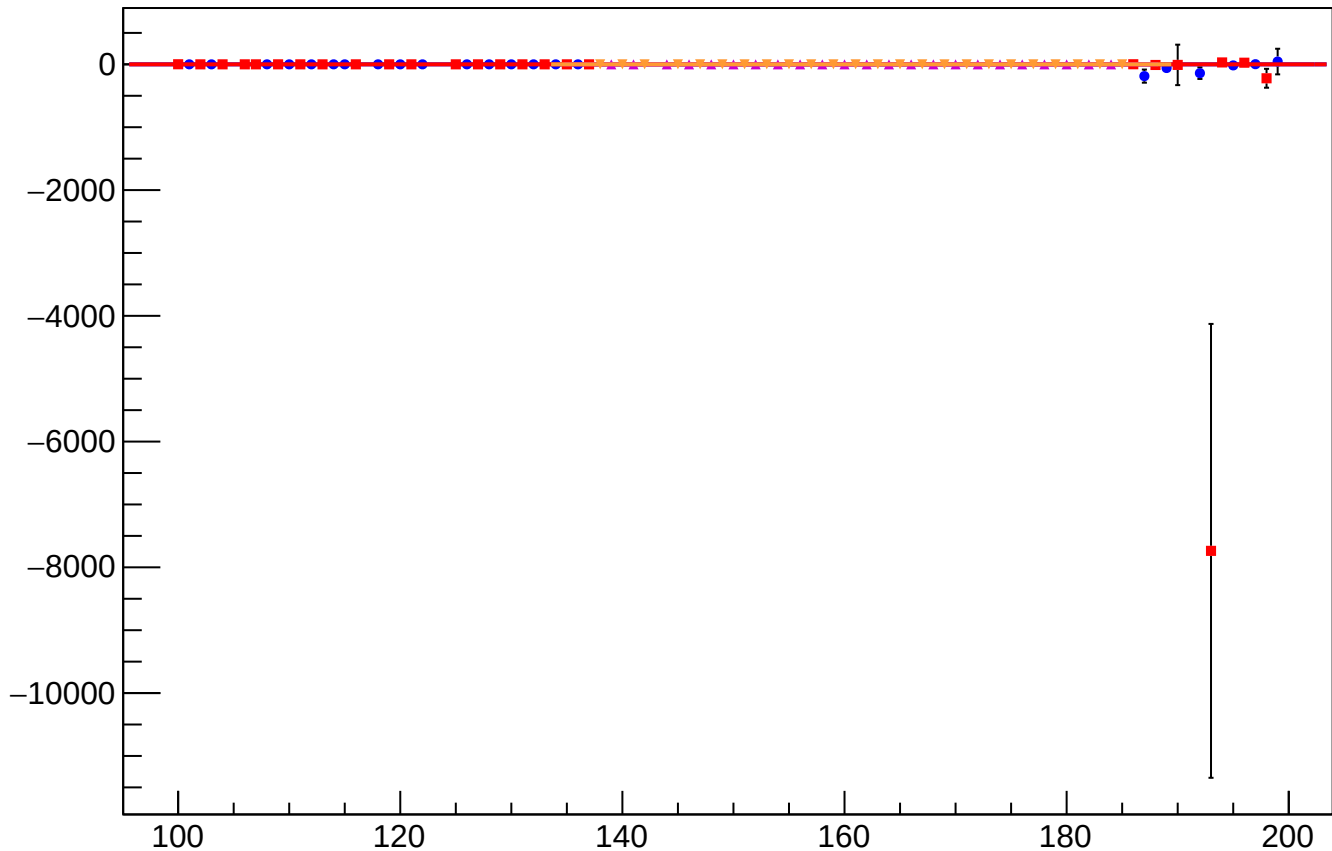
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 57.1/45

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 126.2/93

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 66.8/47

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 18.6/21

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF: 27.7/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 15.3/24

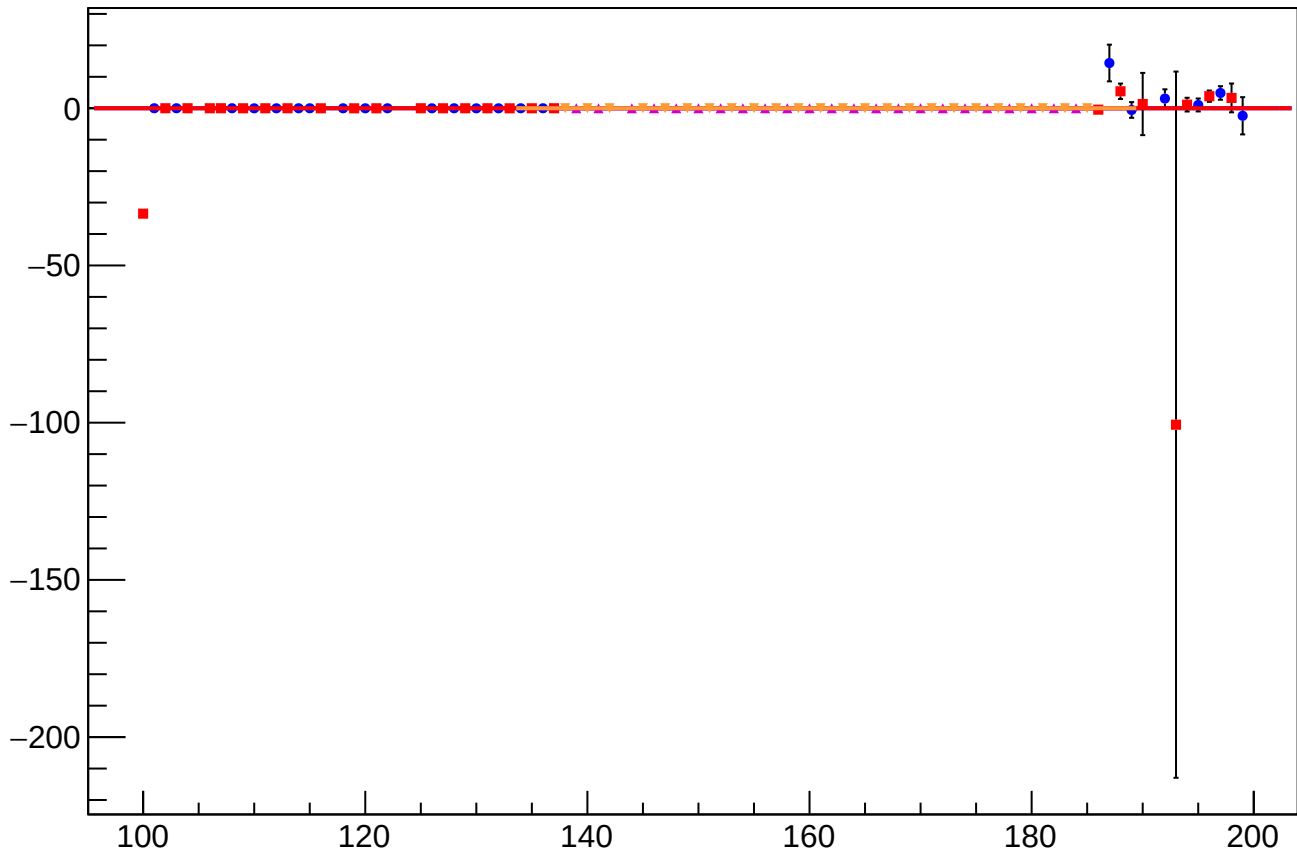
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF: 44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2 /NDF: 52.4/45

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 114.1/93

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 61.3/47

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 34.2/21

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26520.0/24

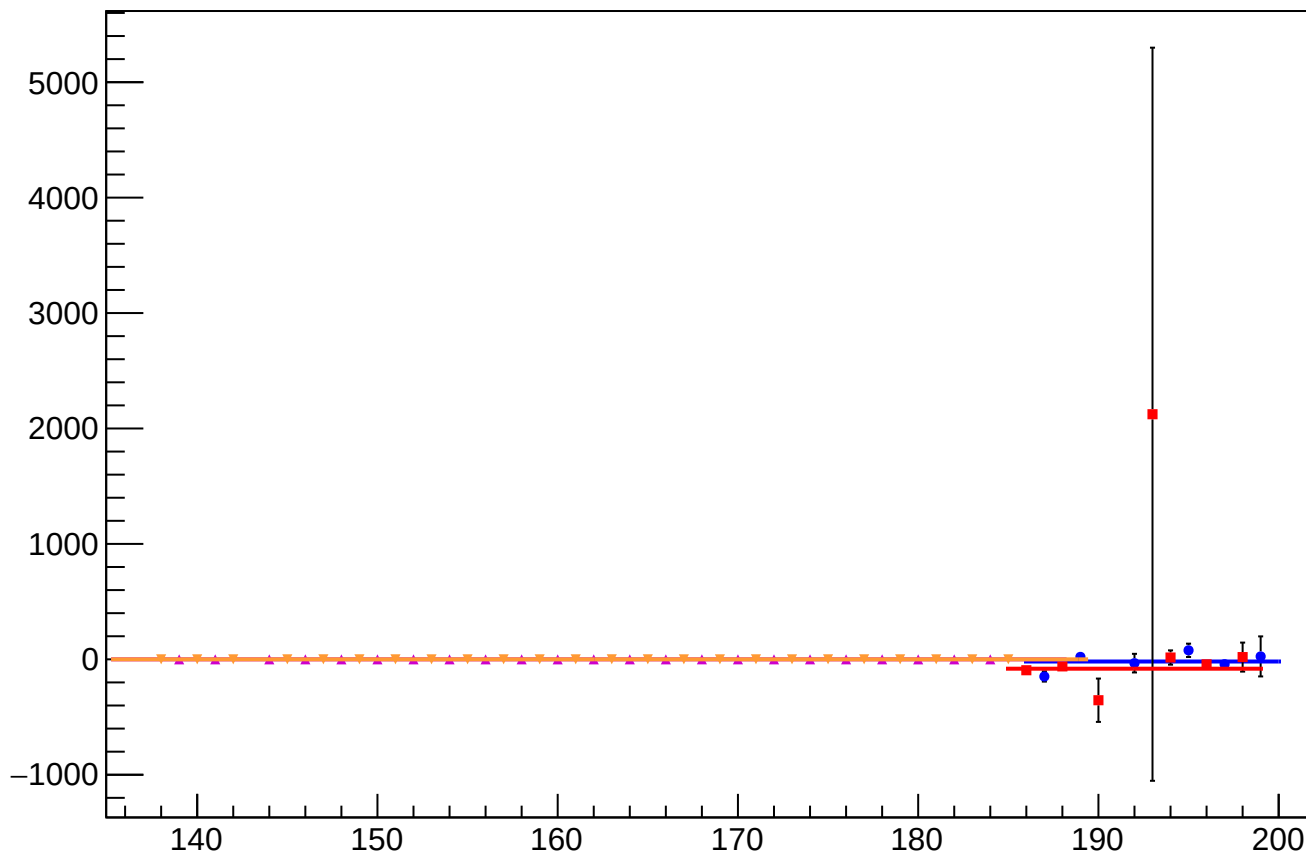
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 70.6/45

All: -0.001 ± 0.000 χ^2/NDF : 26627.0/93

- sign -0.001 ± 0.001 χ^2/NDF : 26556.3/47

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -18.805 ± 18.812 χ^2/NDF : 13.9/5

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -81.137 ± 9.982 χ^2/NDF : 8.6/6

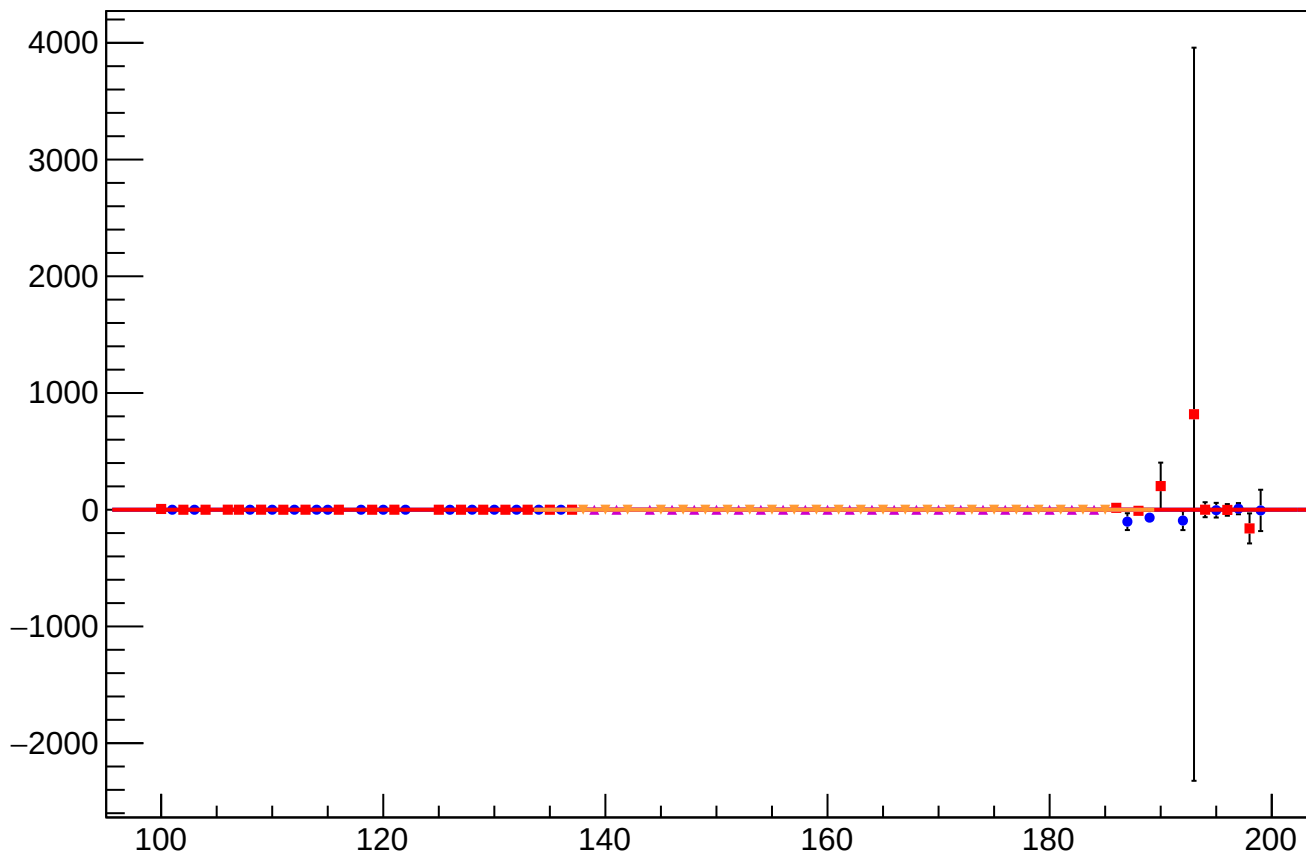
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 52.2/29

All: -0.031 ± 0.013 χ^2/NDF : 164.8/59

- sign -0.009 ± 0.018 χ^2/NDF : 109.8/29

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 ± 0.023 χ^2/NDF : 33.0/21

Left Out: -0.011 ± 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 32.6/24

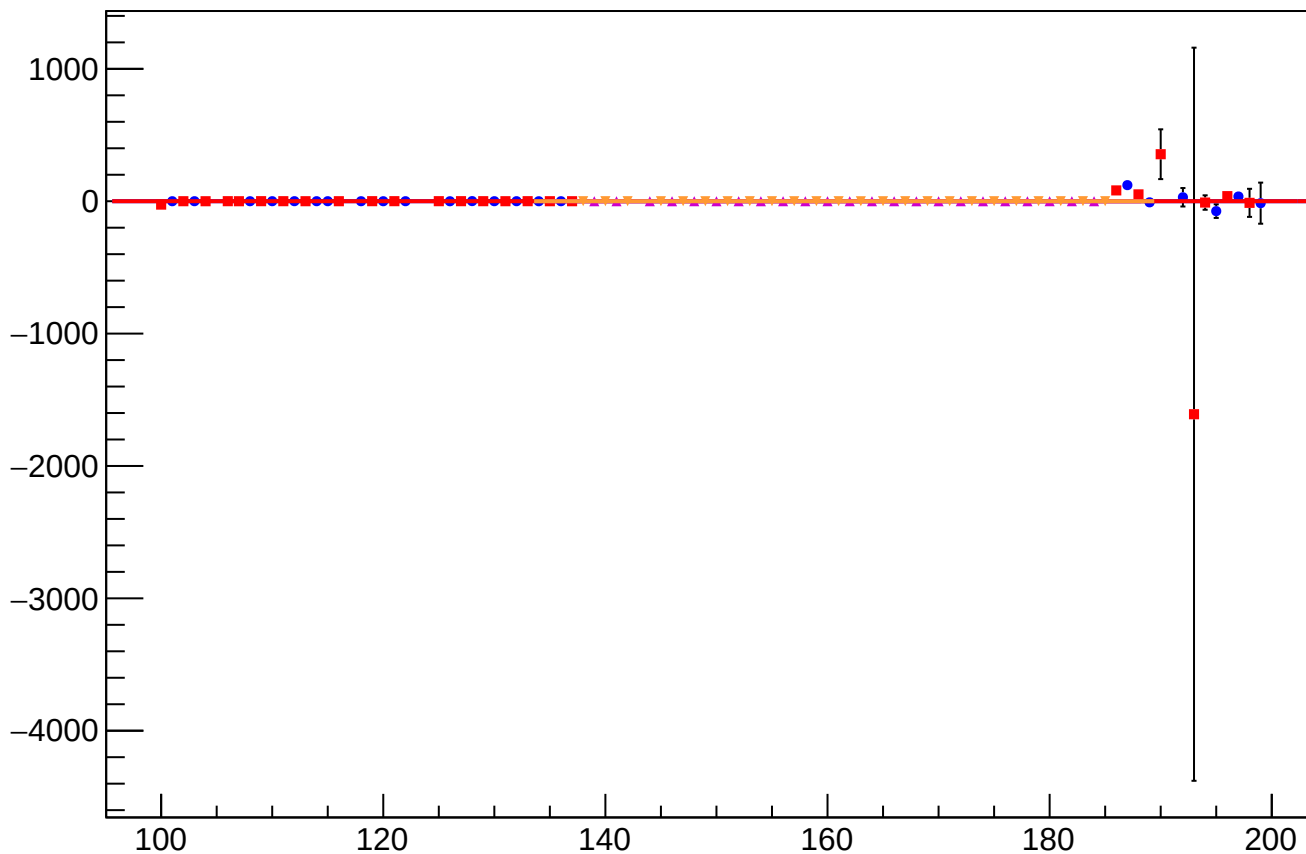
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 63.1/45

All: 0.003 ± 0.009 χ^2/NDF : 147.6/93

- sign 0.013 ± 0.012 χ^2/NDF : 83.4/47

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 ± 0.043 χ^2/NDF : 44.5/21

Left Out: 0.048 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 0.197 ± 0.045 χ^2/NDF : 107.0/24

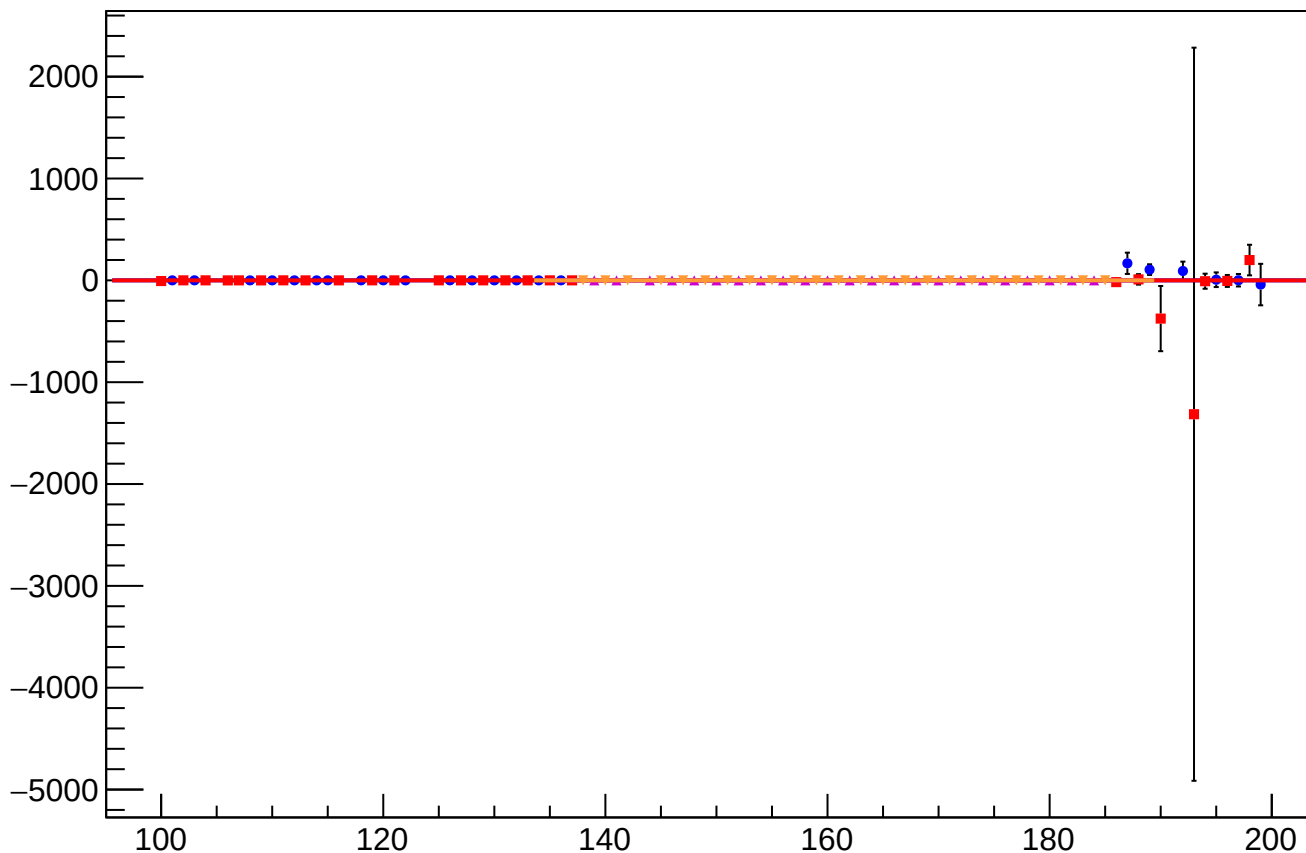
Left In: 0.020 ± 0.018 χ^2/NDF : 35.8/22

+ sign 0.064 ± 0.017 χ^2/NDF : 85.4/45

All: 0.054 ± 0.012 χ^2/NDF : 242.3/93

- sign 0.044 ± 0.017 χ^2/NDF : 156.2/47

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 32.3/21

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 30.2/24

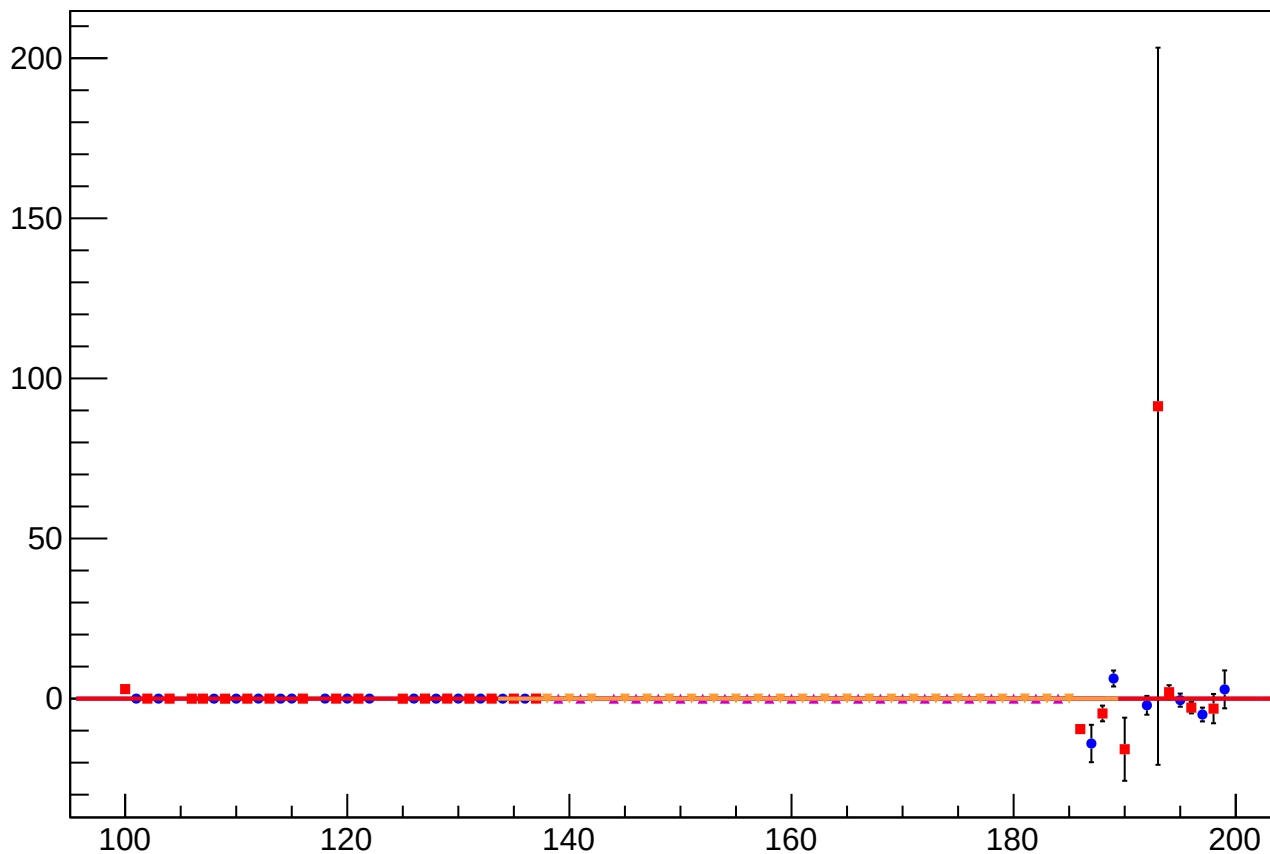
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 66.6/45

All: 0.004 ± 0.010 χ^2/NDF : 150.5/93

- sign -0.007 ± 0.014 χ^2/NDF : 82.9/47

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 45.6/21

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 213.4/24

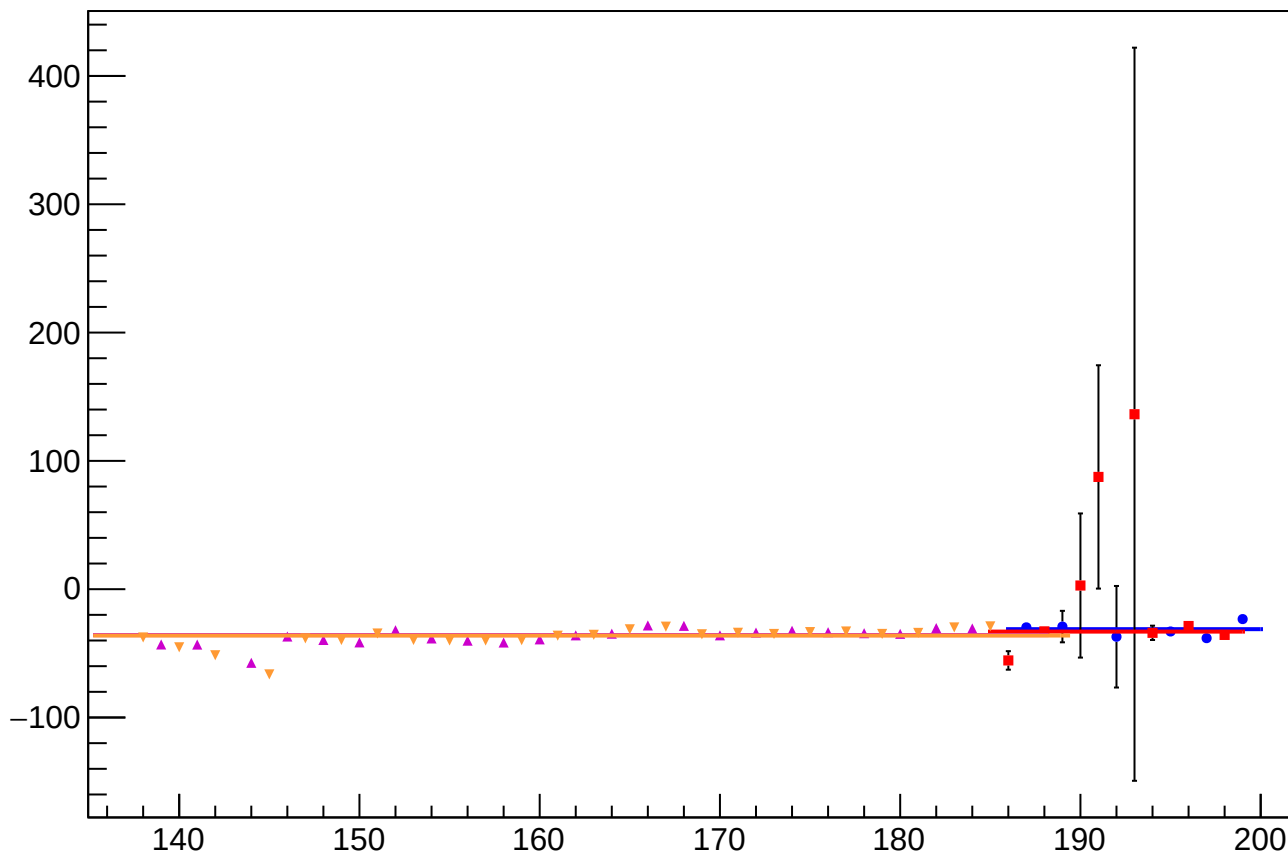
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 79.3/45

All: -0.008 ± 0.000 χ^2/NDF : 333.0/93

- sign -0.008 ± 0.001 χ^2/NDF : 253.6/47

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.156 ± 1.228 χ^2/NDF : 14.0/5

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -33.053 ± 1.009 χ^2/NDF : 15.3/7

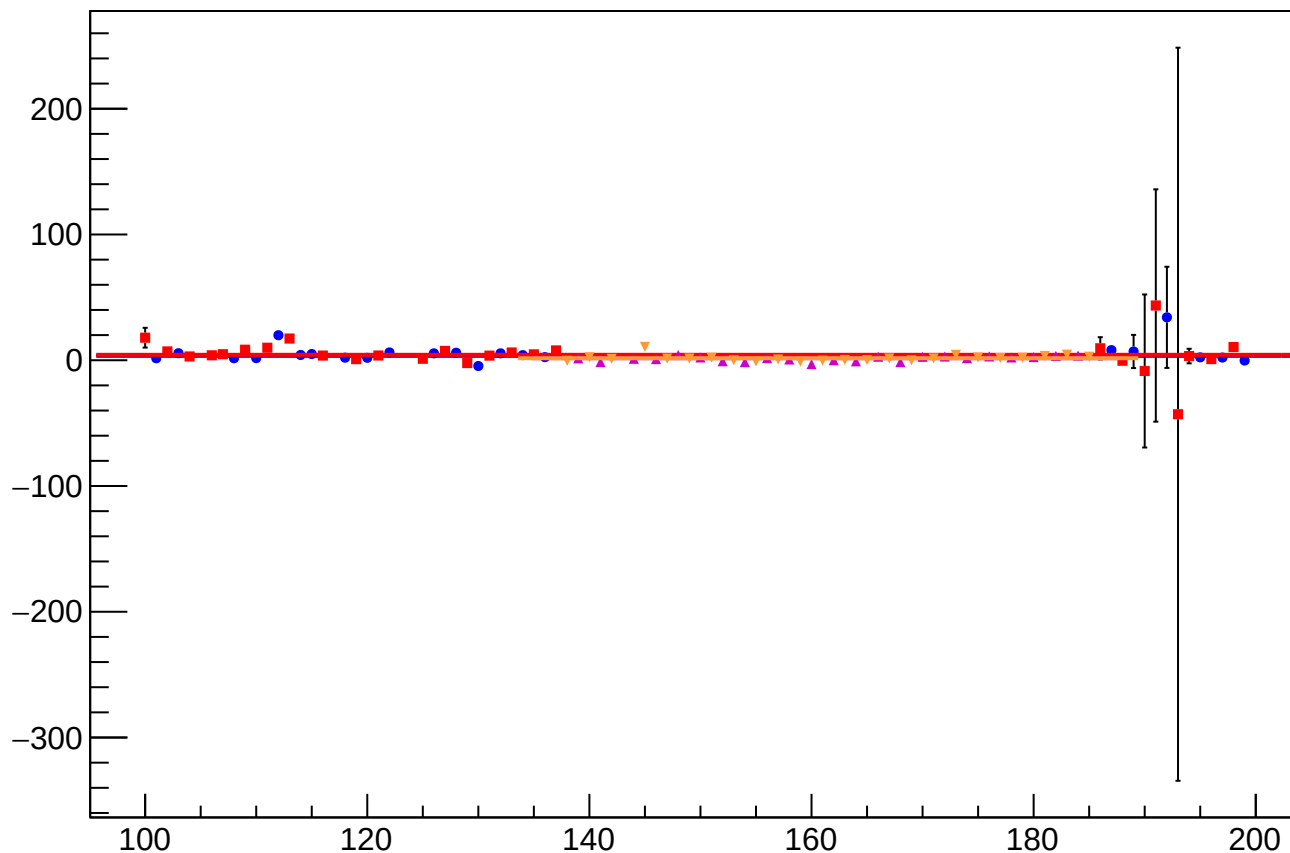
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -36.002 ± 0.190 χ^2/NDF : 1144.8/29

All: -35.842 ± 0.134 χ^2/NDF : 2022.7/60

- sign -35.685 ± 0.188 χ^2/NDF : 876.5/30

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.546 $\pm$ 0.218 χ^2 /NDF: 444.5/21

Left Out: 1.634 $\pm$ 0.148 χ^2 /NDF: 166.5/23

Right Out: 4.320 $\pm$ 0.222 χ^2 /NDF: 364.7/25

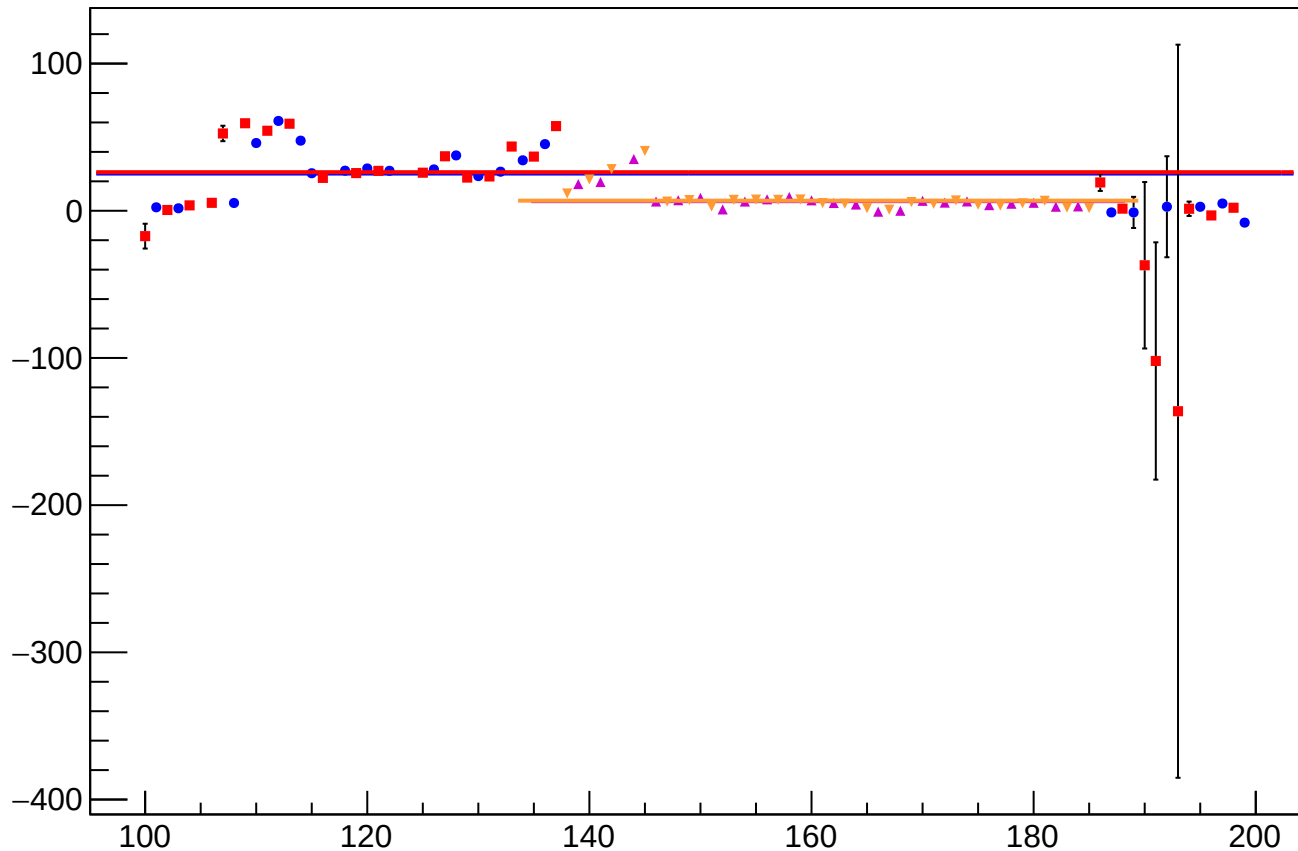
Left In: 1.641 $\pm$ 0.150 χ^2 /NDF: 163.2/22

+ sign 2.235 $\pm$ 0.122 χ^2 /NDF: 663.6/45

All: 2.353 $\pm$ 0.087 χ^2 /NDF: 1293.4/94

- sign 2.475 $\pm$ 0.124 χ^2 /NDF: 627.8/48

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 25.287 $\pm$ 0.389 χ^2 /NDF: 2206.2/21

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF: 1295.7/23

Right Out: 26.214 $\pm$ 0.377 χ^2 /NDF: 2830.7/25

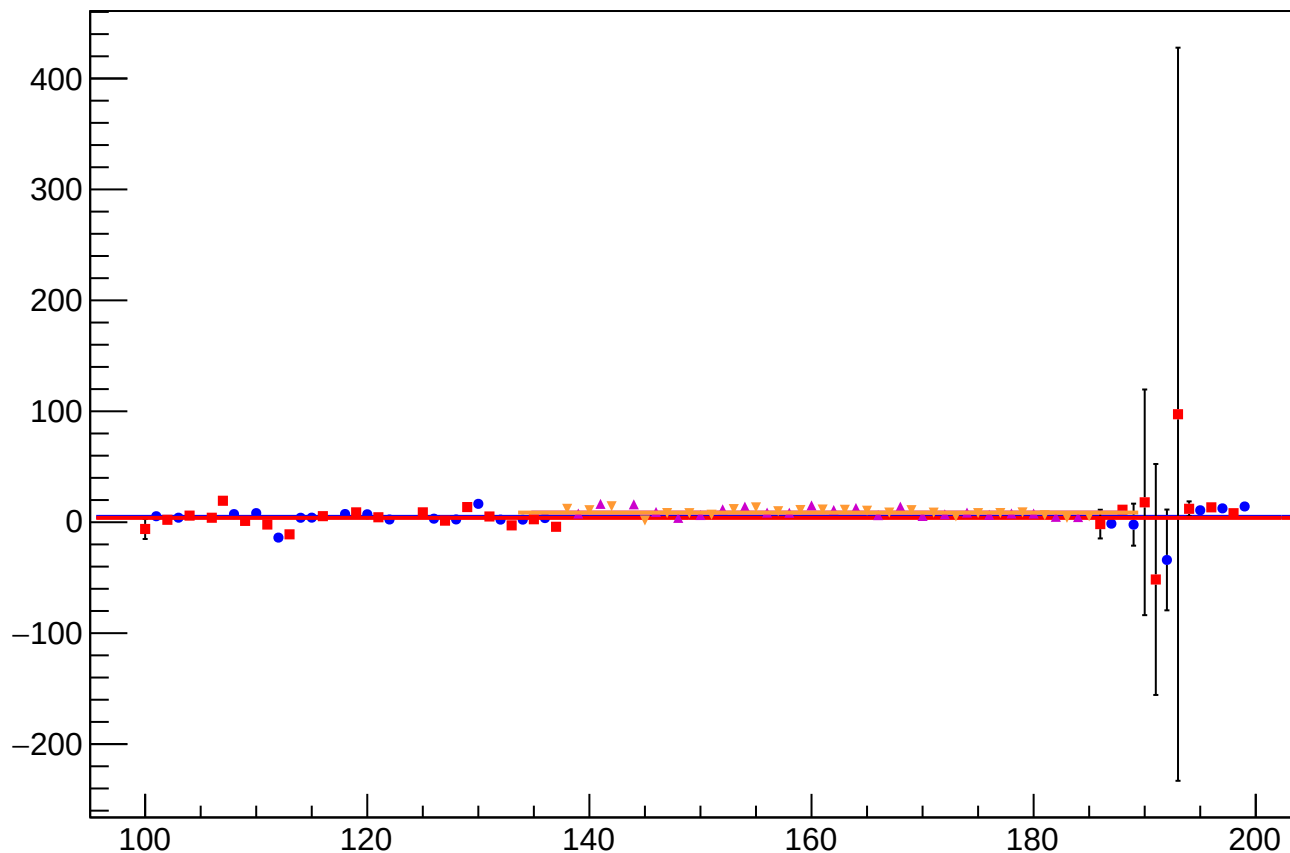
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.453 $\pm$ 0.172 χ^2 /NDF: 5306.0/45

All: 10.496 $\pm$ 0.121 χ^2 /NDF: 11334.5/94

- sign 10.538 $\pm$ 0.170 χ^2 /NDF: 6028.4/48

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.837 ± 0.252 χ^2/NDF : 562.8/21

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.925 ± 0.256 χ^2/NDF : 581.5/25

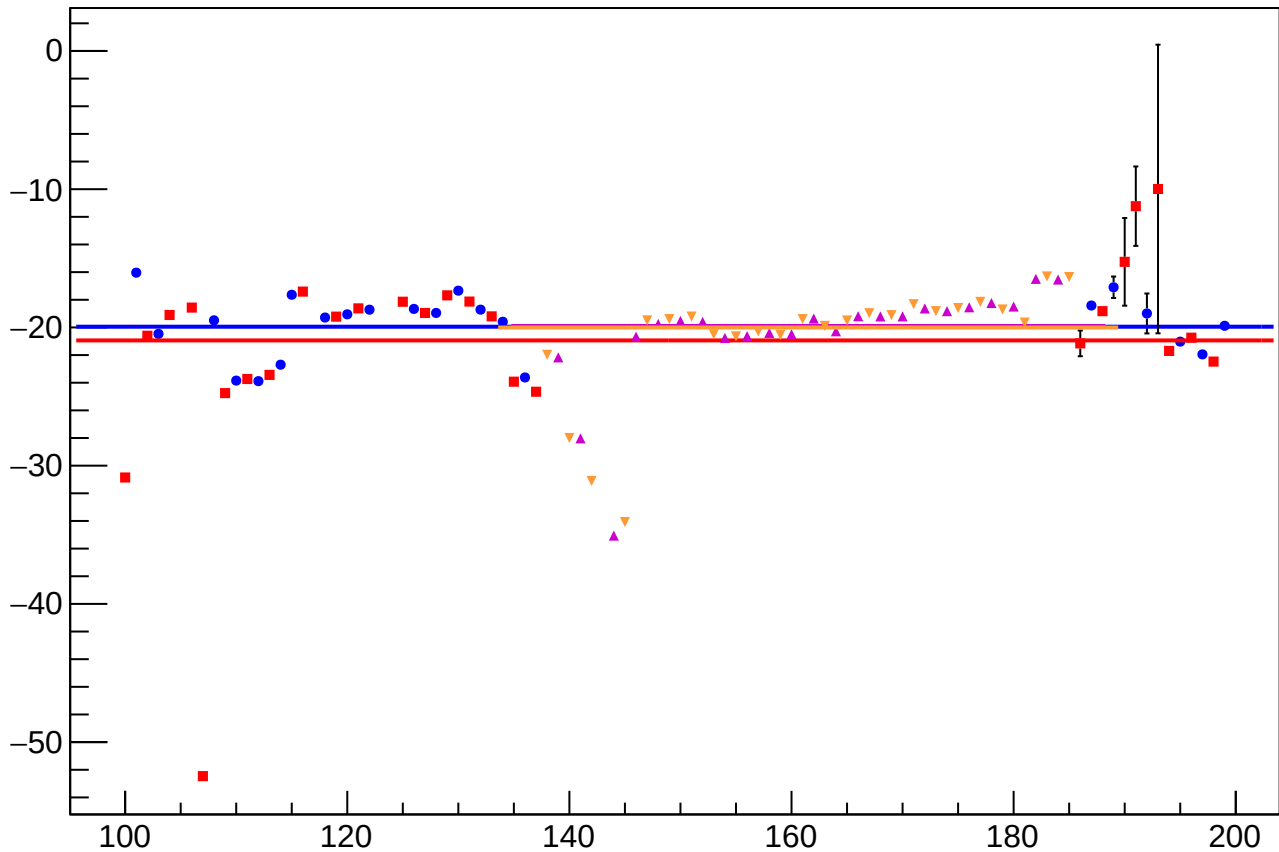
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.500 ± 0.140 χ^2/NDF : 965.2/45

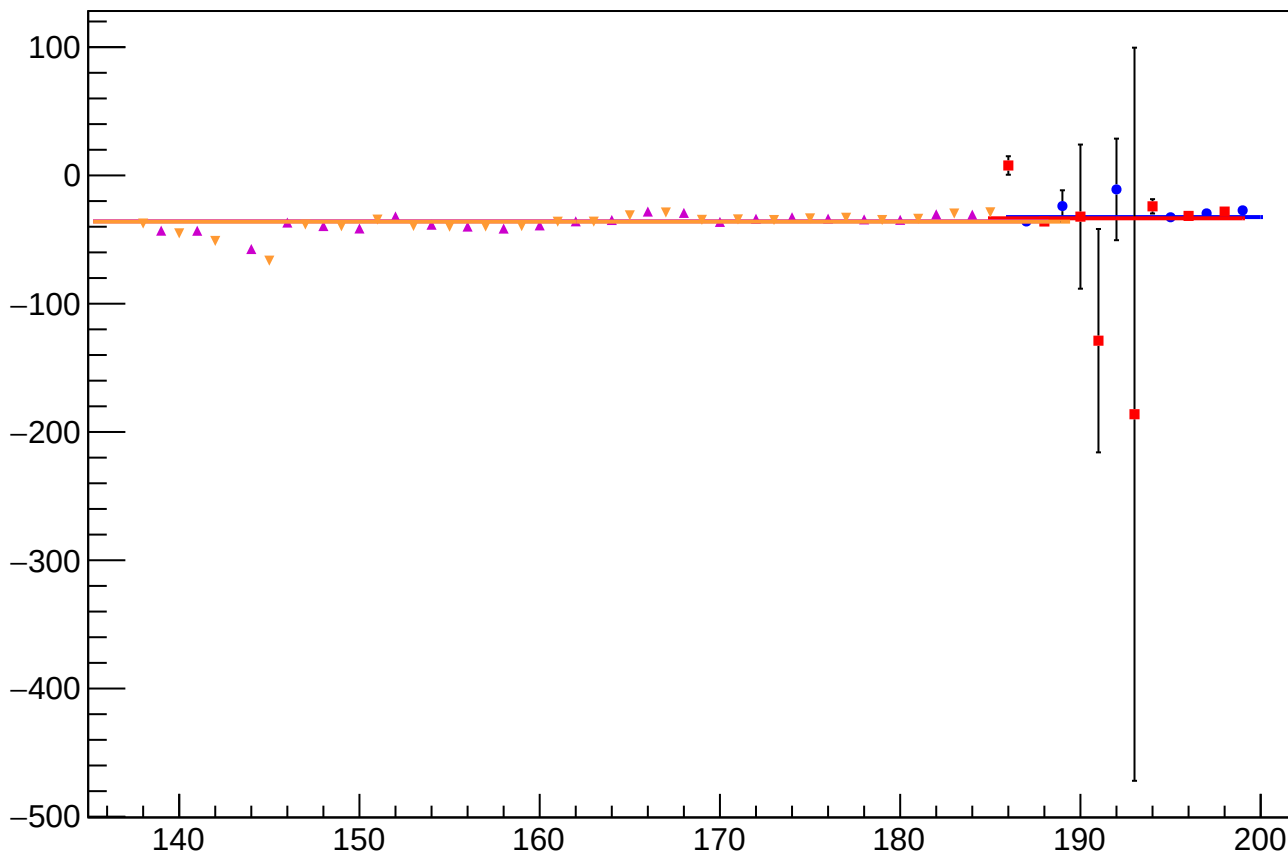
All: 7.361 ± 0.100 χ^2/NDF : 2222.9/94

- sign 7.218 ± 0.142 χ^2/NDF : 1255.7/48

reg_asym_left_avg_diff_bpm12X_slope vs Slug



reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.472 ± 1.232 χ^2/NDF : 8.0/5

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -33.424 ± 1.012 χ^2/NDF : 44.2/7

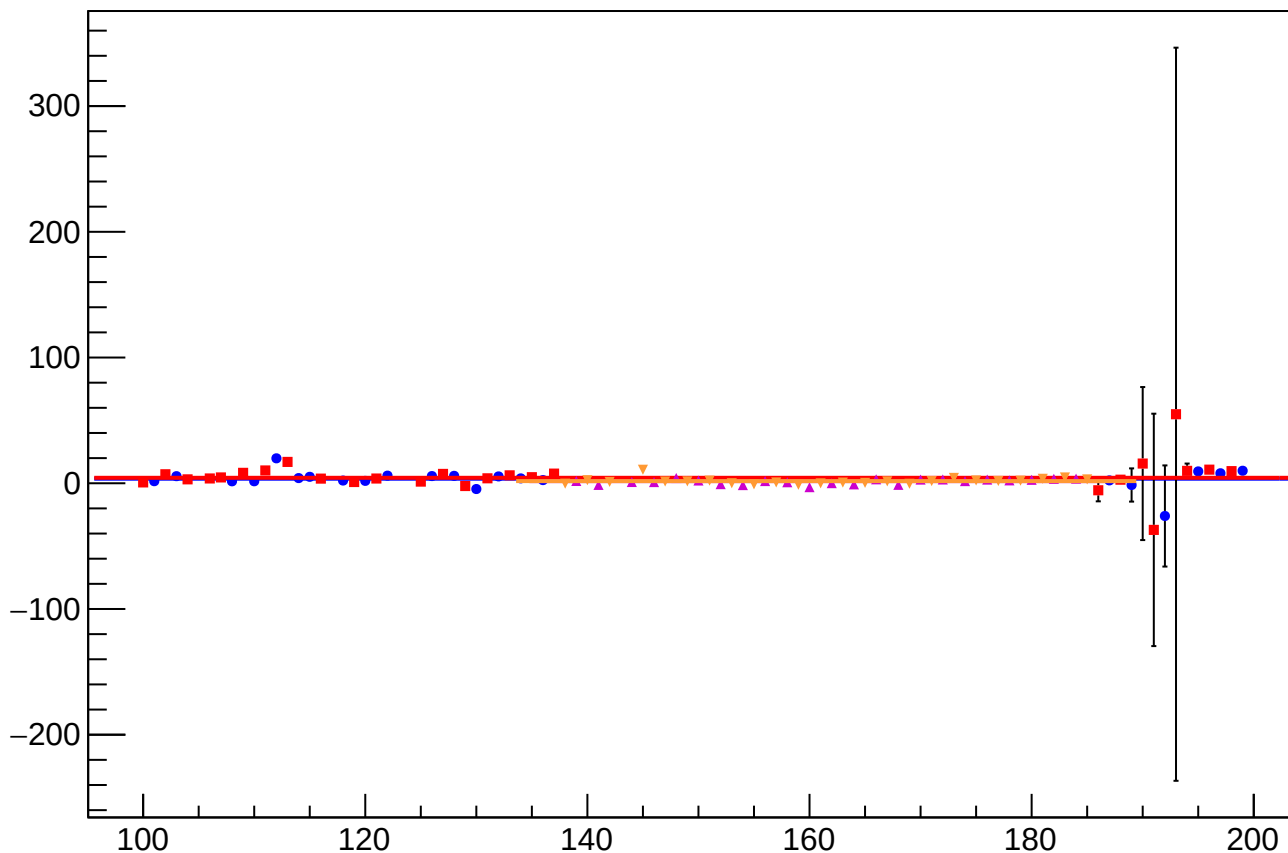
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.946 ± 0.190 χ^2/NDF : 1137.4/29

All: -35.815 ± 0.133 χ^2/NDF : 2030.3/60

- sign -35.686 ± 0.188 χ^2/NDF : 891.9/30

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.631 $\pm$ 0.218 χ^2 /NDF: 447.4/21

Left Out: 1.724 $\pm$ 0.148 χ^2 /NDF: 168.2/23

Right Out: 4.341 $\pm$ 0.219 χ^2 /NDF: 361.7/25

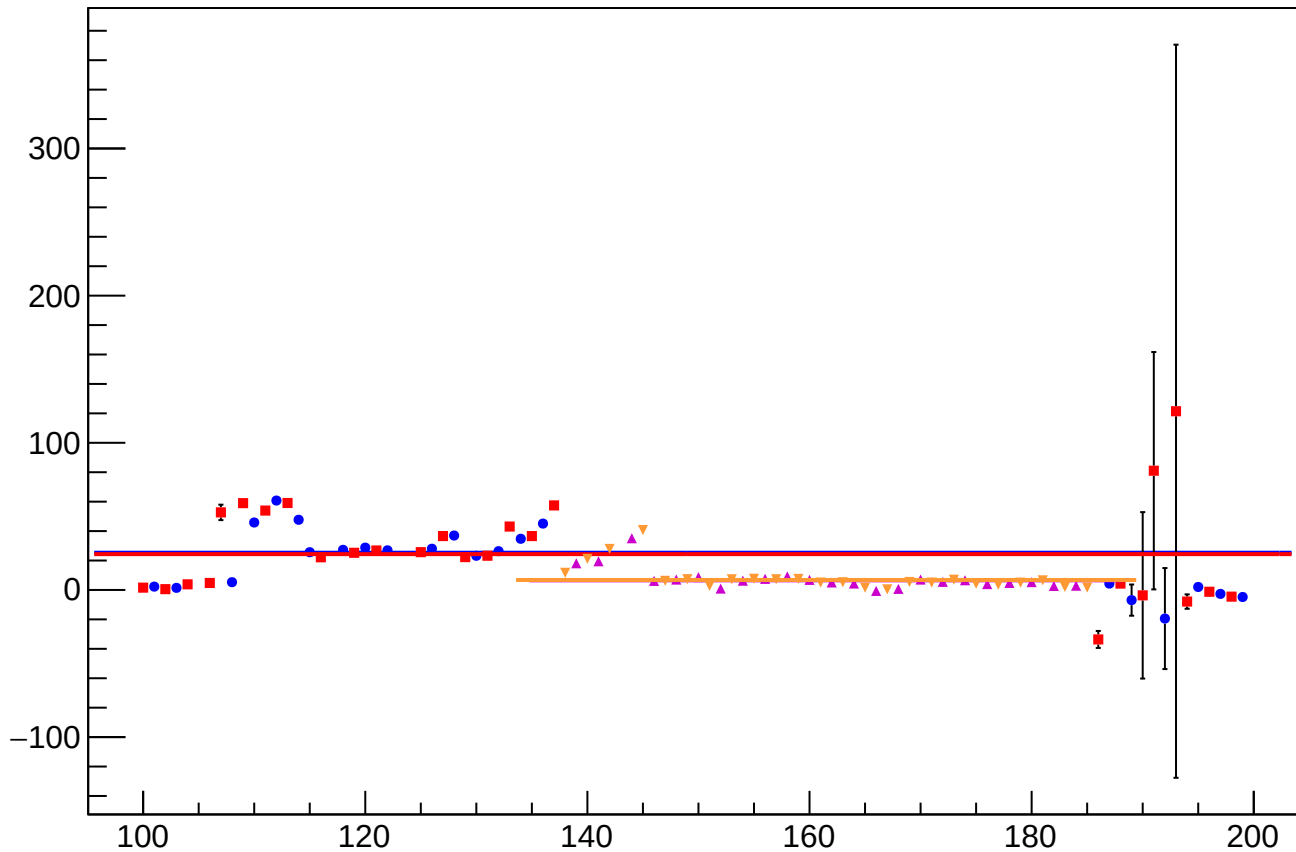
Left In: 1.705 $\pm$ 0.149 χ^2 /NDF: 163.0/22

+ sign 2.322 $\pm$ 0.122 χ^2 /NDF: 667.9/45

All: 2.432 $\pm$ 0.087 χ^2 /NDF: 1293.2/94

- sign 2.544 $\pm$ 0.123 χ^2 /NDF: 623.8/48

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 25.303 ± 0.389 $\chi^2/\text{NDF}: 2141.3/21$

Left Out: 6.779 ± 0.191 $\chi^2/\text{NDF}: 1297.7/23$

Right Out: 24.338 ± 0.362 $\chi^2/\text{NDF}: 3105.4/25$

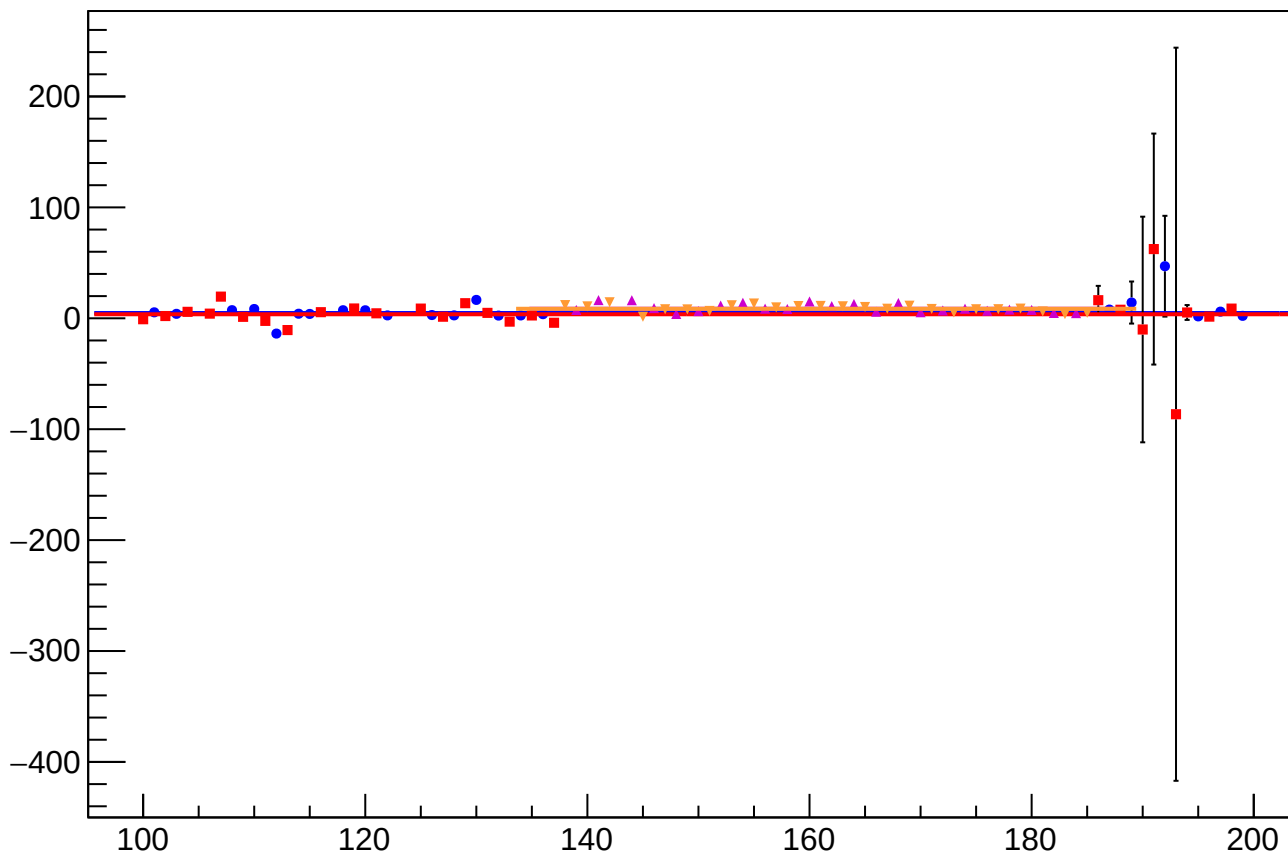
Left In: 6.532 ± 0.190 $\chi^2/\text{NDF}: 1018.2/22$

+ sign 10.384 ± 0.172 $\chi^2/\text{NDF}: 5264.0/45$

All: 10.382 ± 0.120 $\chi^2/\text{NDF}: 11280.3/94$

- sign 10.381 ± 0.168 $\chi^2/\text{NDF}: 6016.3/48$

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.743 $\pm$ 0.252 χ^2 /NDF: 545.9/21

Left Out: 8.585 $\pm$ 0.169 χ^2 /NDF:245.5/23

Right Out: 3.627 $\pm$ 0.252 χ^2 /NDF: 576.0/25

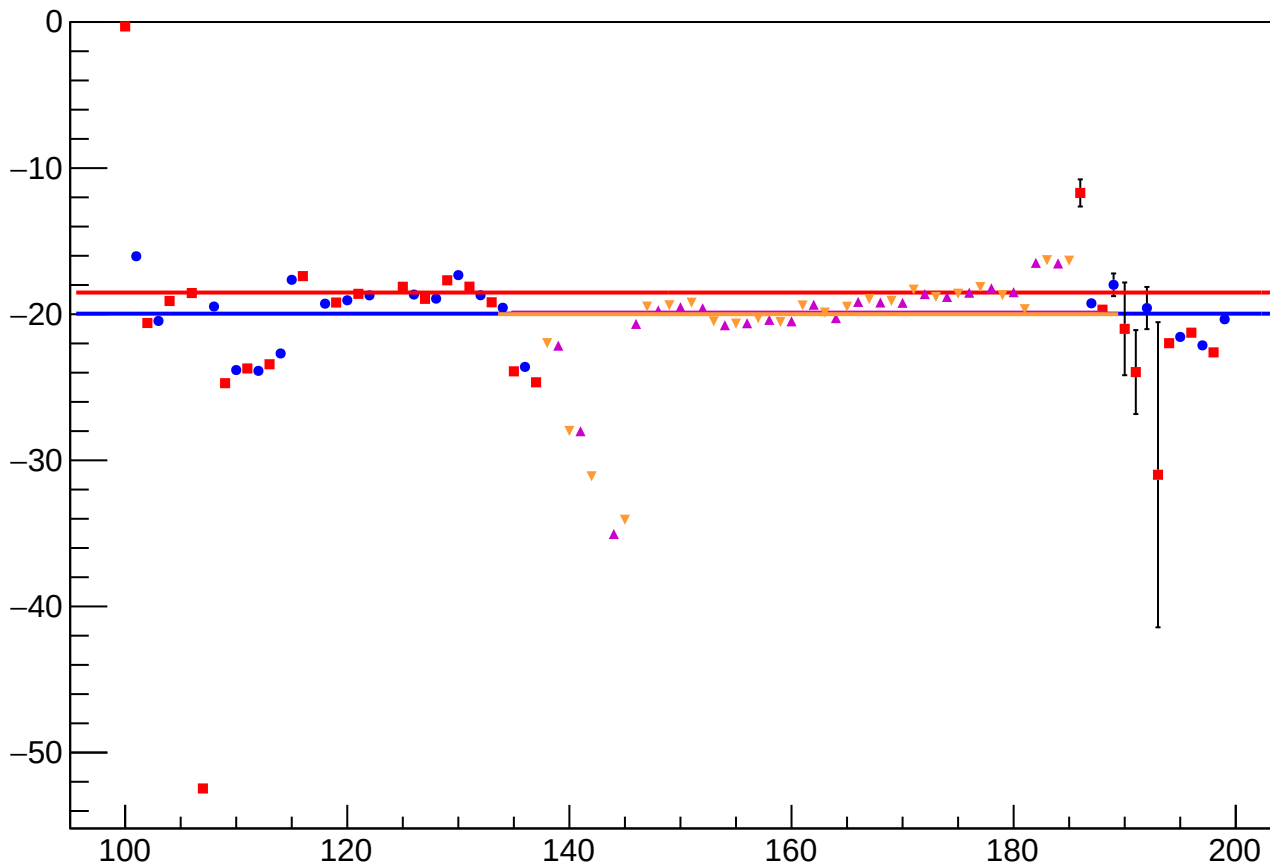
Left In: 8.585 $\pm$ 0.170 χ^2 /NDF:441.8/22

+ sign 7.395 $\pm$ 0.140 χ^2 /NDF: 951.7/45

All: 7.216 $\pm$ 0.099 χ^2 /NDF: 2238.5/94

- sign 7.035 $\pm$ 0.141 χ^2 /NDF: 1283.5/48

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.961 ± 0.015 χ^2/NDF : 26576.2/21

Left Out: -19.998 ± 0.008 χ^2/NDF : 171944.6/23

Right Out: -18.515 ± 0.014 χ^2/NDF : 303277.4/25

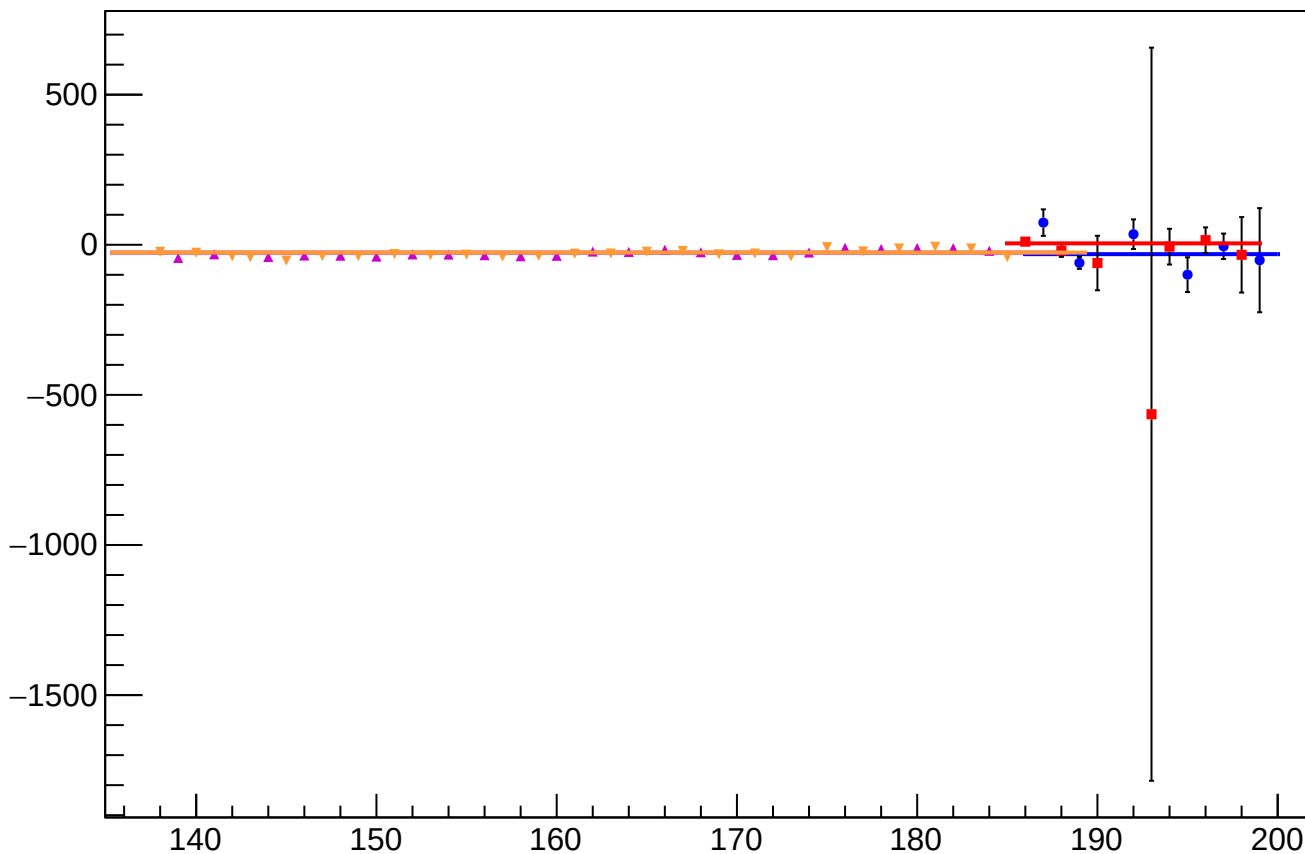
Left In: -19.890 ± 0.008 χ^2/NDF : 144055.2/22

+ sign -19.990 ± 0.007 χ^2/NDF : 198525.5/45

All: -19.780 ± 0.005 χ^2/NDF : 654640.5/94

- sign -19.577 ± 0.007 χ^2/NDF : 454345.6/48

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -31.202 ± 15.140 χ^2/NDF : 11.4/5

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 4.735 ± 8.297 χ^2/NDF : 2.6/6

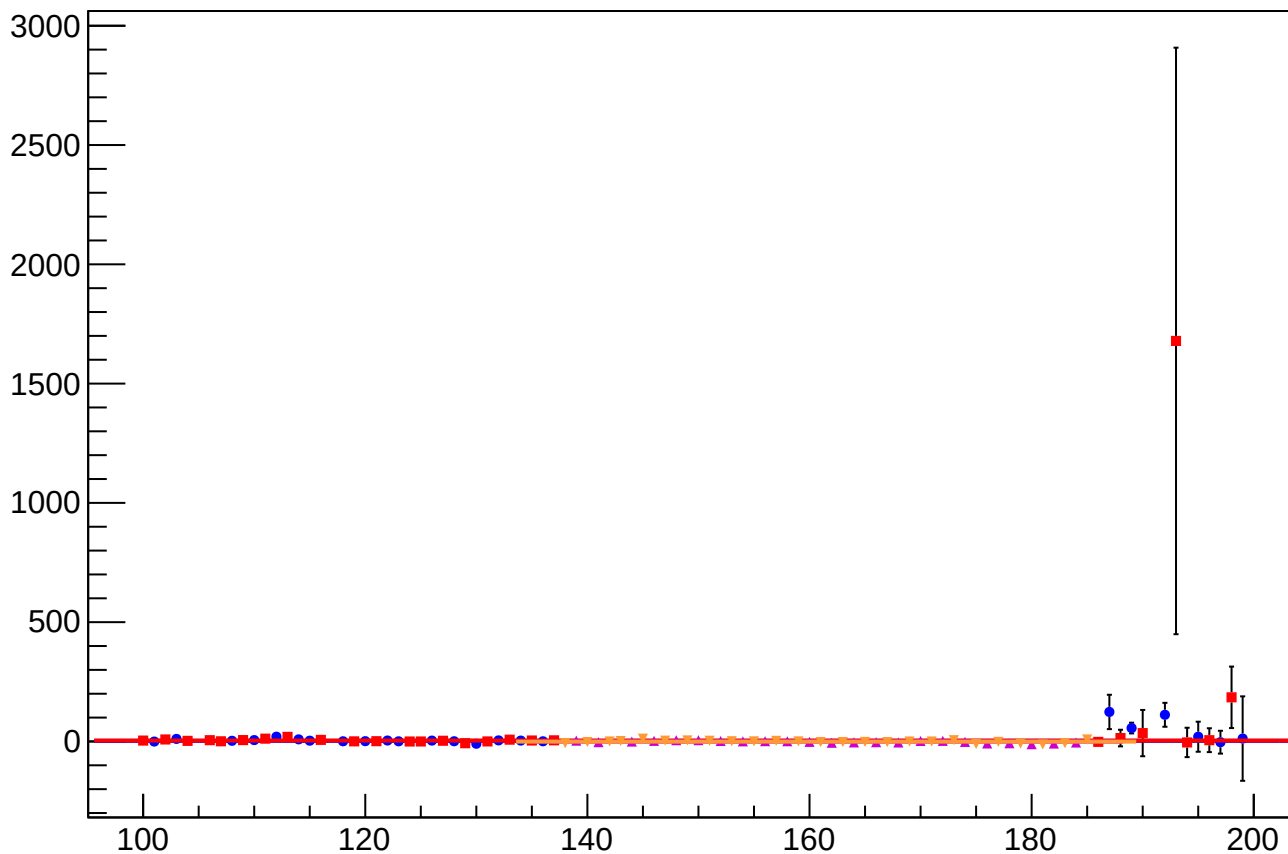
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.885 ± 0.192 χ^2/NDF : 4169.5/30

All: -25.959 ± 0.137 χ^2/NDF : 7465.7/60

- sign -26.035 ± 0.195 χ^2/NDF : 3295.9/29

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.472 ± 0.315 χ^2/NDF : 307.7/22

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.712 ± 0.327 χ^2/NDF : 273.4/25

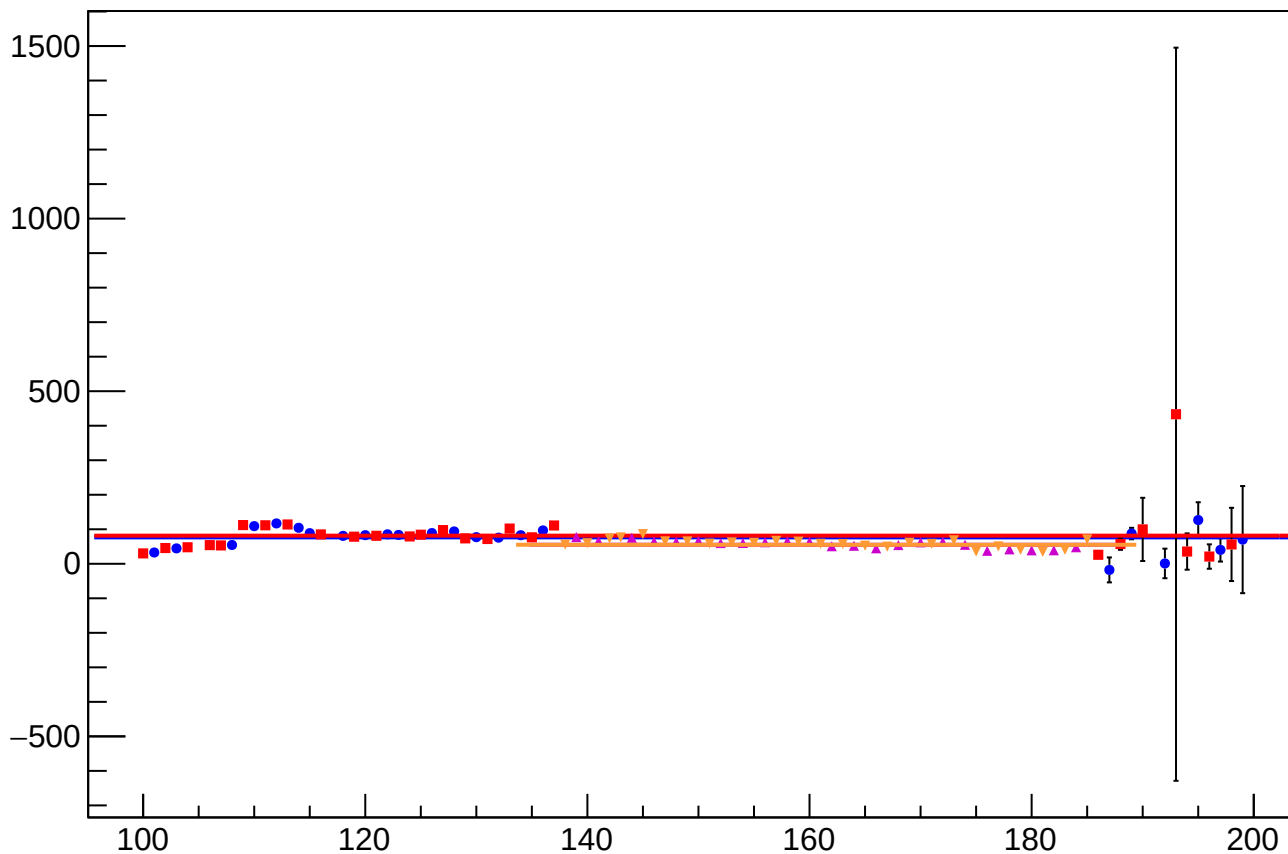
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.100 ± 0.133 χ^2/NDF : 1709.6/47

All: -0.082 ± 0.095 χ^2/NDF : 3211.4/96

- sign -0.062 ± 0.137 χ^2/NDF : 1501.8/48

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.526 $\pm$ 0.576 χ^2 /NDF: 2265.2/22

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.495 $\pm$ 0.591 χ^2 /NDF: 1630.5/25

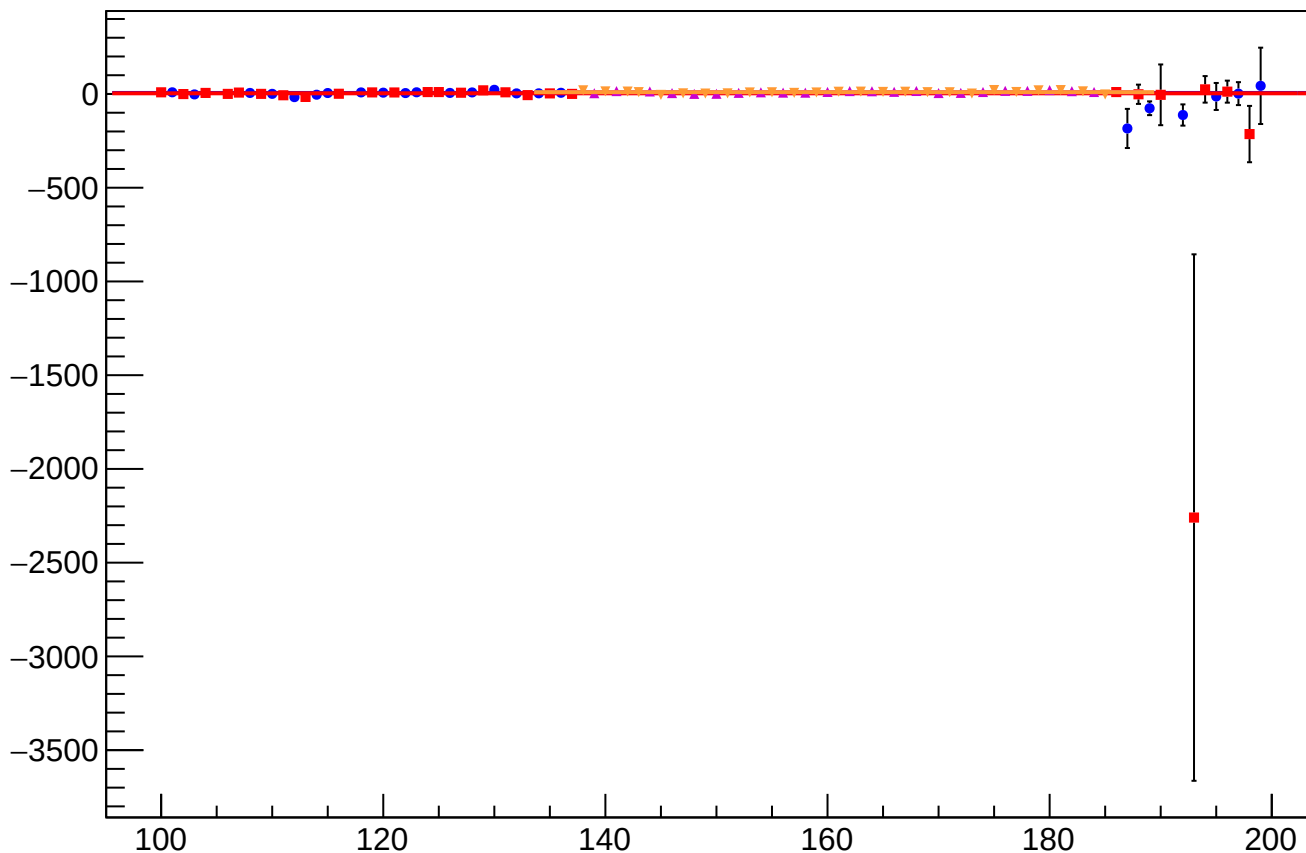
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.228 $\pm$ 0.182 χ^2 /NDF: 8089.5/47

All: 57.427 $\pm$ 0.129 χ^2 /NDF: 15233.3/96

- sign 57.631 $\pm$ 0.184 χ^2 /NDF: 7141.3/48

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.413 ± 0.361 χ^2/NDF : 398.3/22

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.584 ± 0.375 χ^2/NDF : 426.6/25

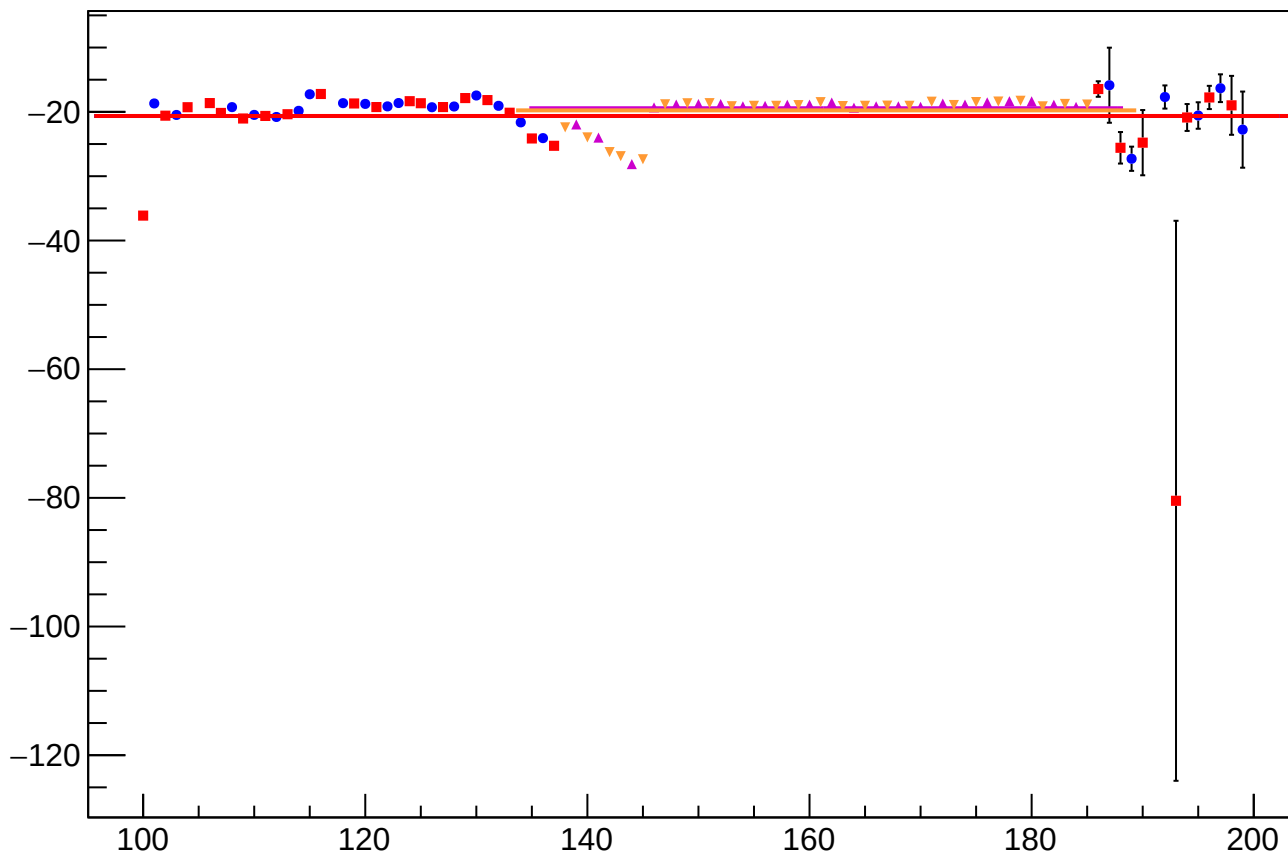
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 ± 0.152 χ^2/NDF : 1966.6/47

All: 8.851 ± 0.109 χ^2/NDF : 3780.1/96

- sign 8.728 ± 0.156 χ^2/NDF : 1812.3/48

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 χ^2/NDF : 12444.1/22

Left Out: -19.767 ± 0.008 χ^2/NDF : 91617.3/24

Right Out: -20.639 ± 0.019 χ^2/NDF : 13807.2/25

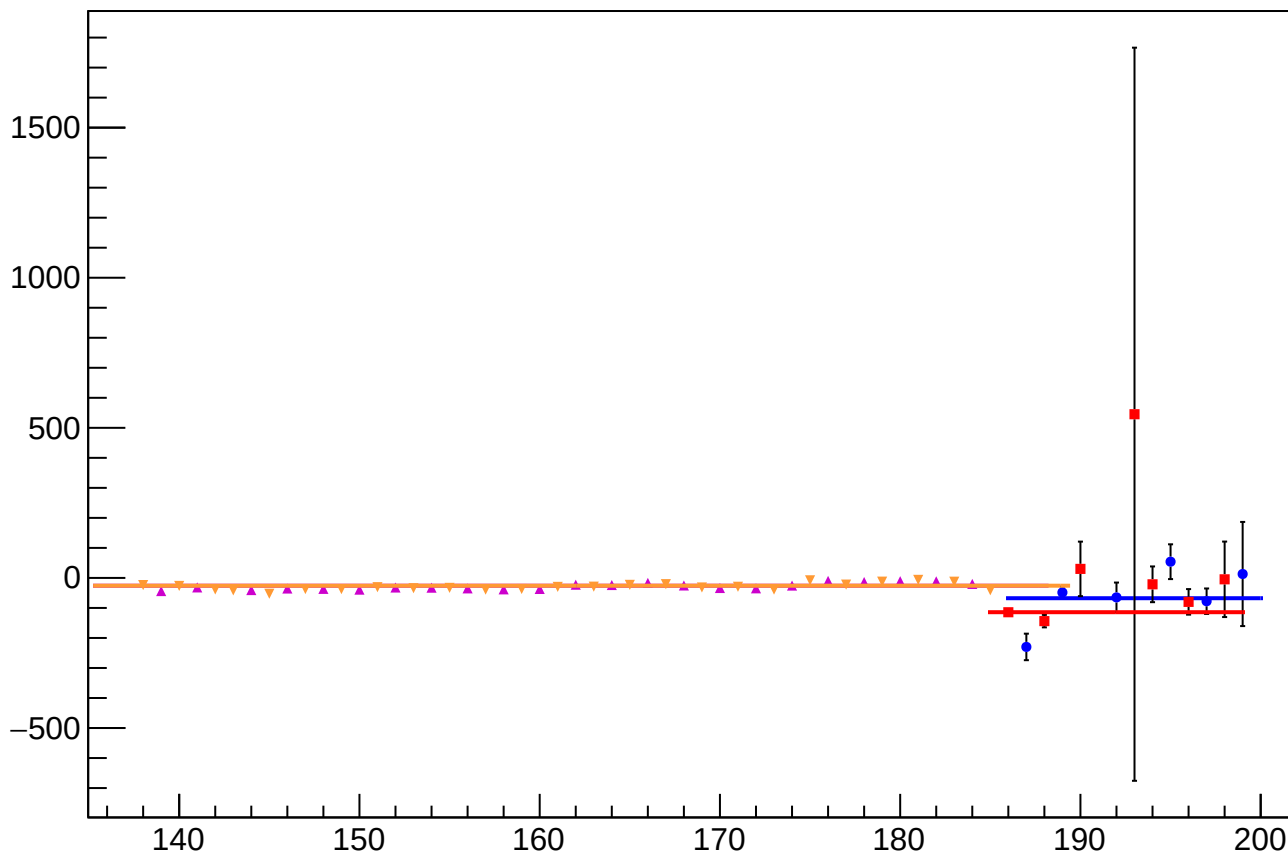
Left In: -19.435 ± 0.008 χ^2/NDF : 53170.9/22

+ sign -19.892 ± 0.007 χ^2/NDF : 105823.0/47

All: -19.751 ± 0.005 χ^2/NDF : 176829.0/96

- sign -19.607 ± 0.007 χ^2/NDF : 70253.6/48

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -67.606 ± 15.152 χ^2/NDF : 19.1/5

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -114.173 ± 8.303 χ^2/NDF : 8.7/6

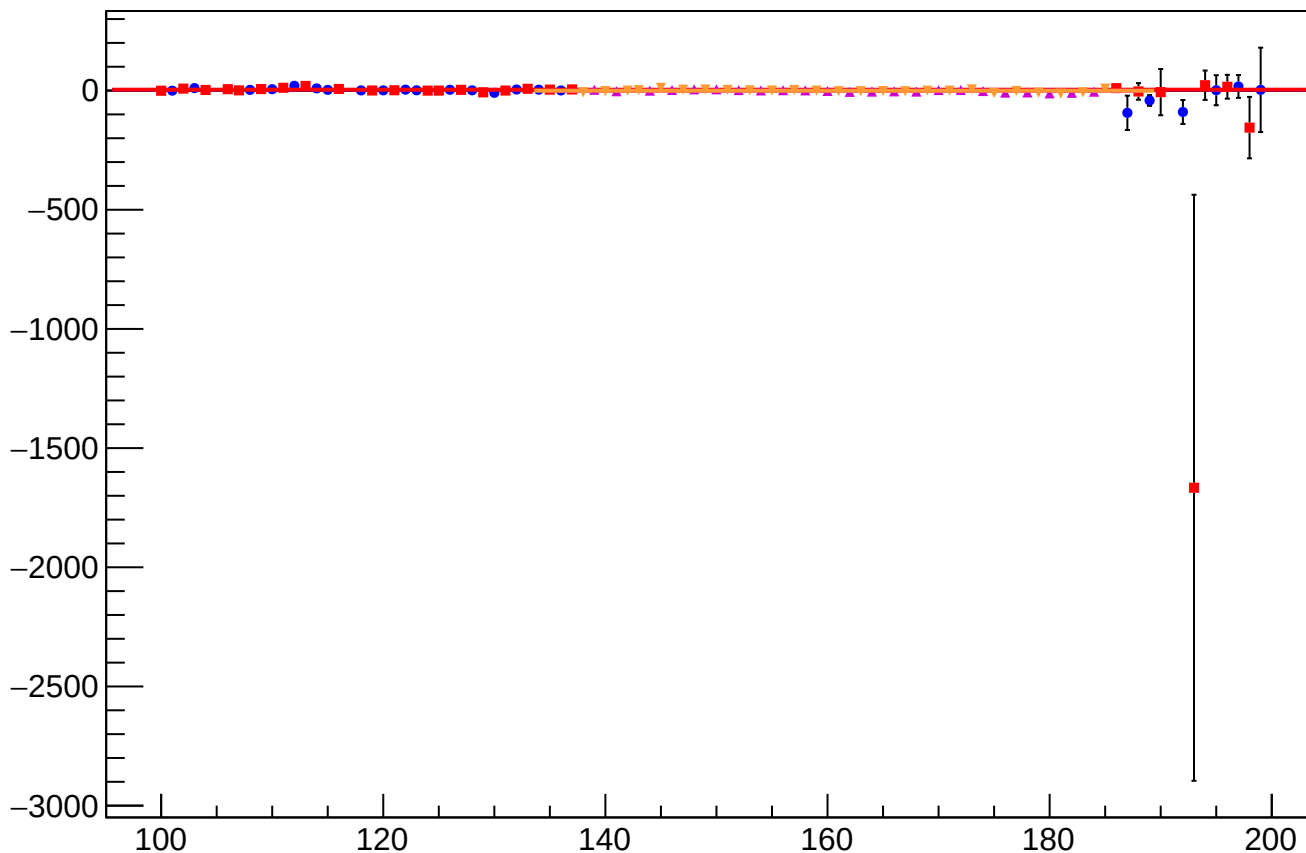
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.906 ± 0.192 χ^2/NDF : 4154.2/30

All: -25.999 ± 0.137 χ^2/NDF : 7522.7/60

- sign -26.095 ± 0.195 χ^2/NDF : 3368.0/29

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.442 ± 0.315 χ^2/NDF : 301.4/22

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.596 ± 0.318 χ^2/NDF : 284.0/25

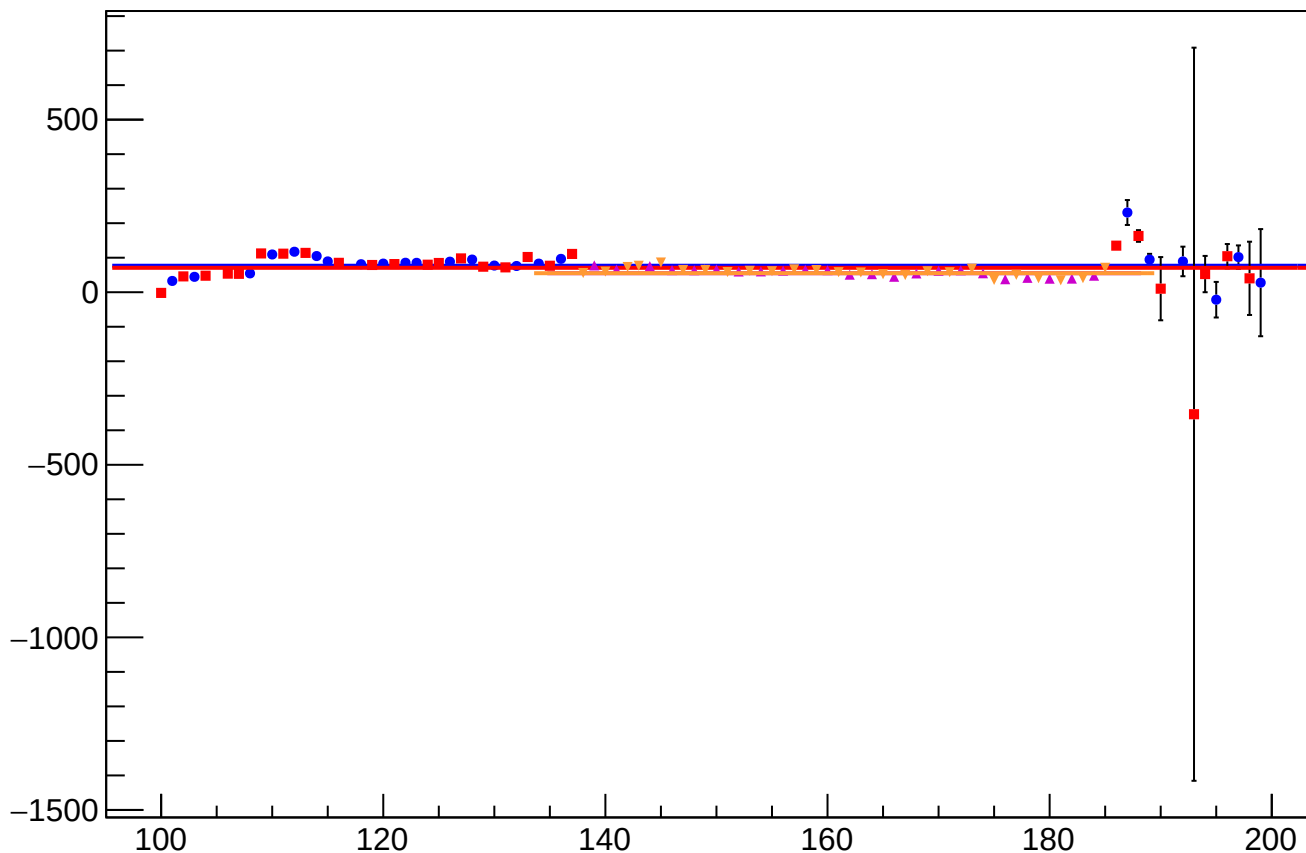
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1688.6/47

All: -0.025 ± 0.095 χ^2/NDF : 3234.8/96

- sign 0.009 ± 0.136 χ^2/NDF : 1546.0/48

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.732 $\pm$ 0.577 χ^2 /NDF: 2288.6/22

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.755 $\pm$ 0.549 χ^2 /NDF: 4490.8/25

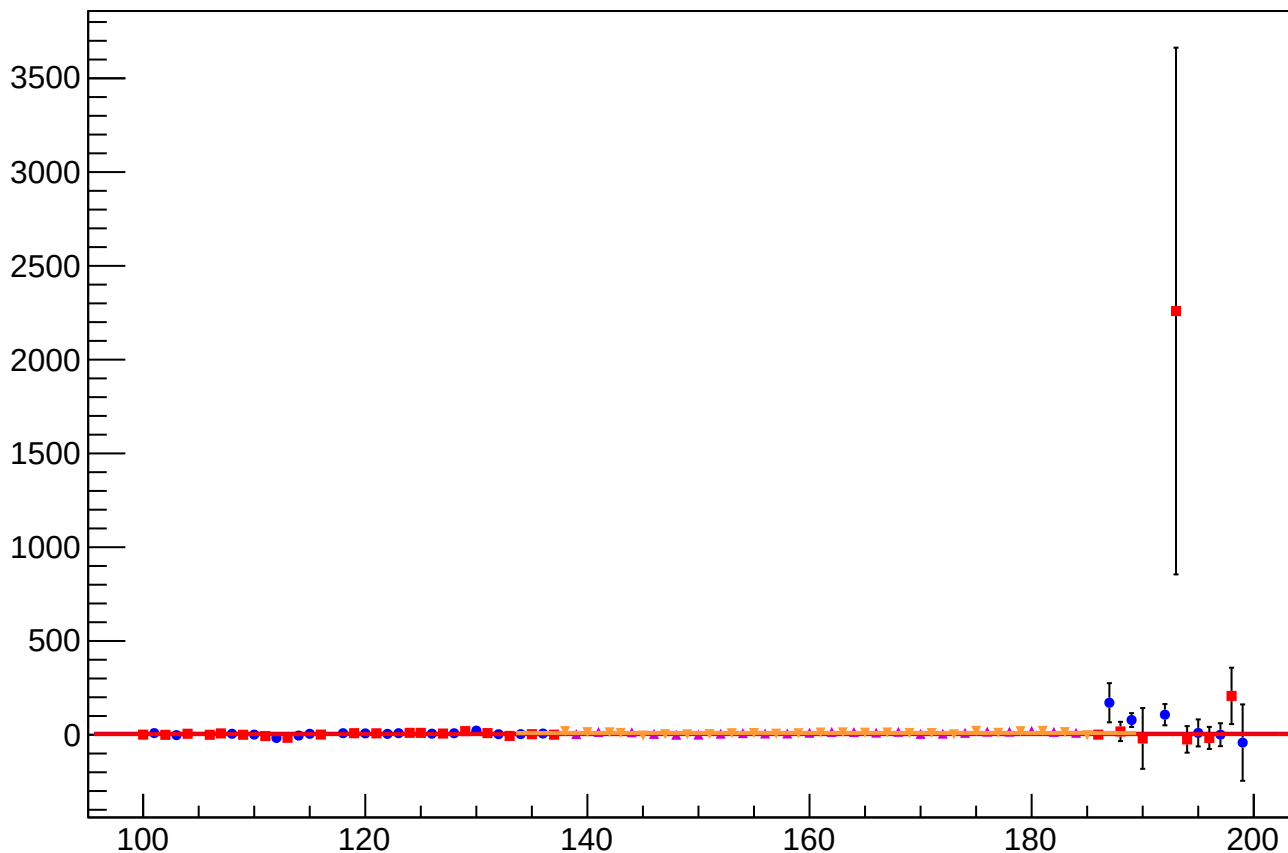
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.261 $\pm$ 0.182 χ^2 /NDF: 8114.9/47

All: 57.045 $\pm$ 0.129 χ^2 /NDF: 16997.6/96

- sign 56.828 $\pm$ 0.183 χ^2 /NDF: 8879.9/48

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.441 ± 0.361 χ^2/NDF : 393.9/22

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.279 ± 0.365 χ^2/NDF : 429.9/25

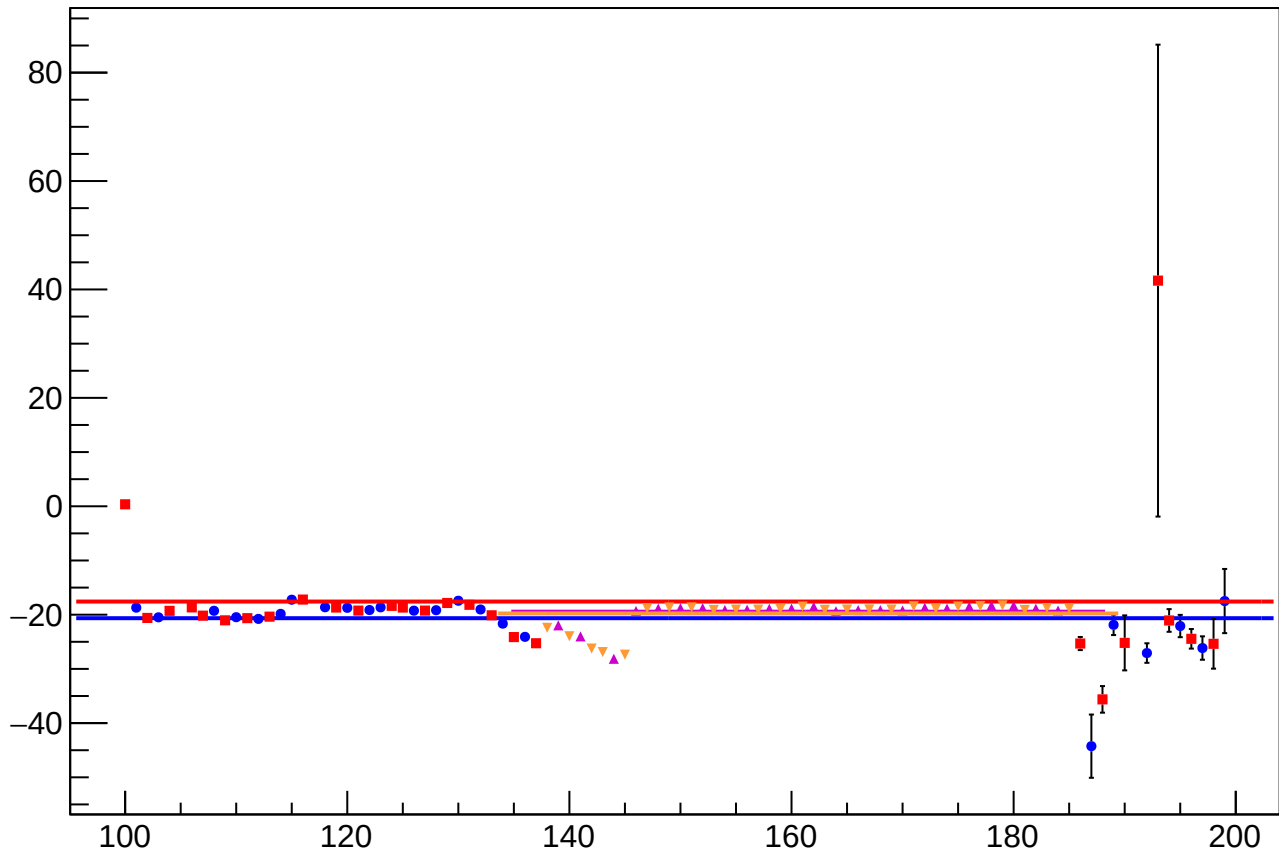
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1948.4/47

All: 8.750 ± 0.109 χ^2/NDF : 3827.8/96

- sign 8.569 ± 0.155 χ^2/NDF : 1876.8/48

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 $\chi^2/\text{NDF}: 12499.5/22$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.575 ± 0.018 $\chi^2/\text{NDF}: 178437.7/25$

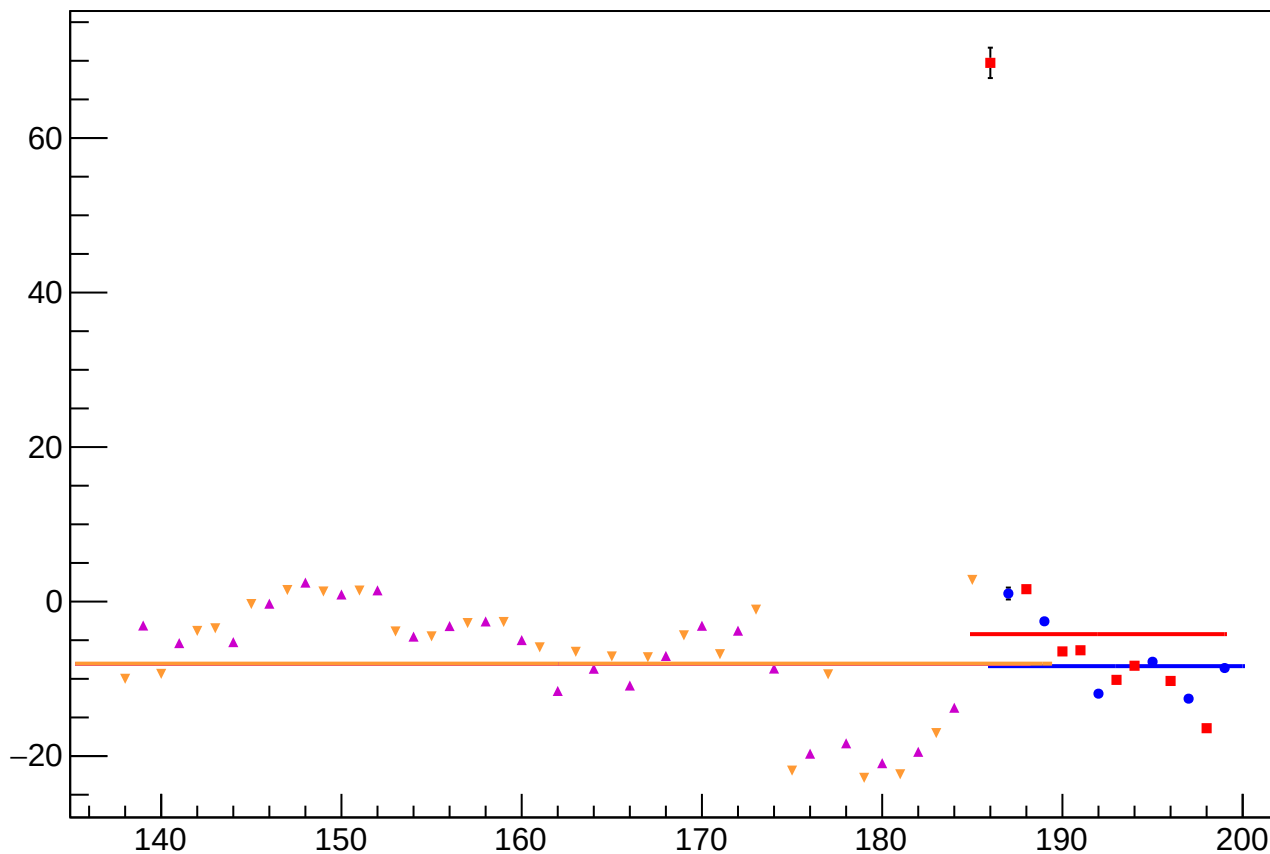
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ sign -19.899 ± 0.007 $\chi^2/\text{NDF}: 105749.0/47$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351712.8/96$

- sign -19.140 ± 0.007 $\chi^2/\text{NDF}: 240552.1/48$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -8.358 $\pm$ 0.171 χ^2 /NDF: 583.6/5

Left Out: -8.034 $\pm$ 0.070 χ^2 /NDF:12568.0/24

Right Out: -4.215 $\pm$ 0.125 χ^2 /NDF: 3749.6/7

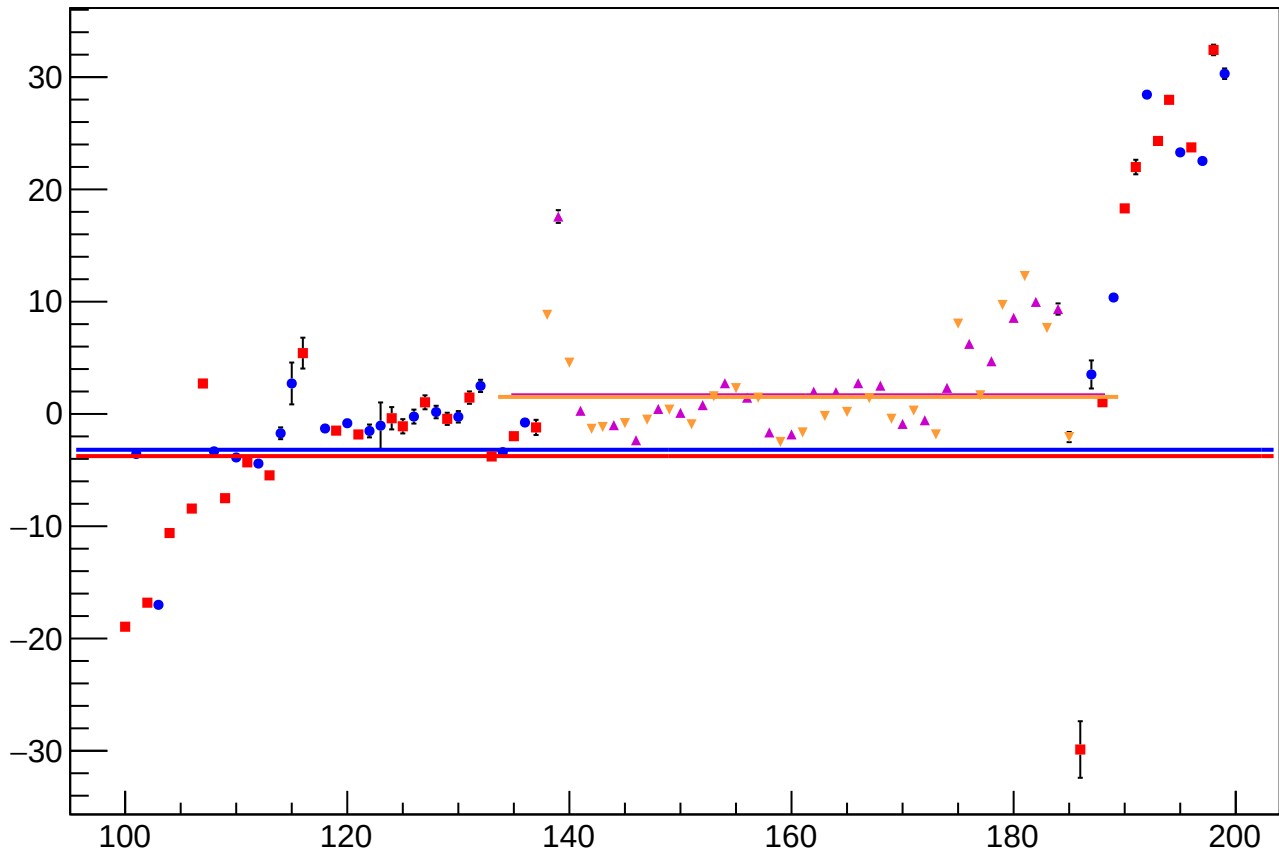
Left In: -8.078 $\pm$ 0.072 χ^2 /NDF:10541.6/22

+ sign -8.081 $\pm$ 0.065 χ^2 /NDF: 13154.7/30

All: -7.576 $\pm$ 0.045 χ^2 /NDF: 28281.2/61

- sign -7.114 $\pm$ 0.062 χ^2 /NDF: 15011.2/30

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -3.190 ± 0.053 χ^2/NDF : 31571.5/22

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -3.753 ± 0.055 χ^2/NDF : 41842.4/26

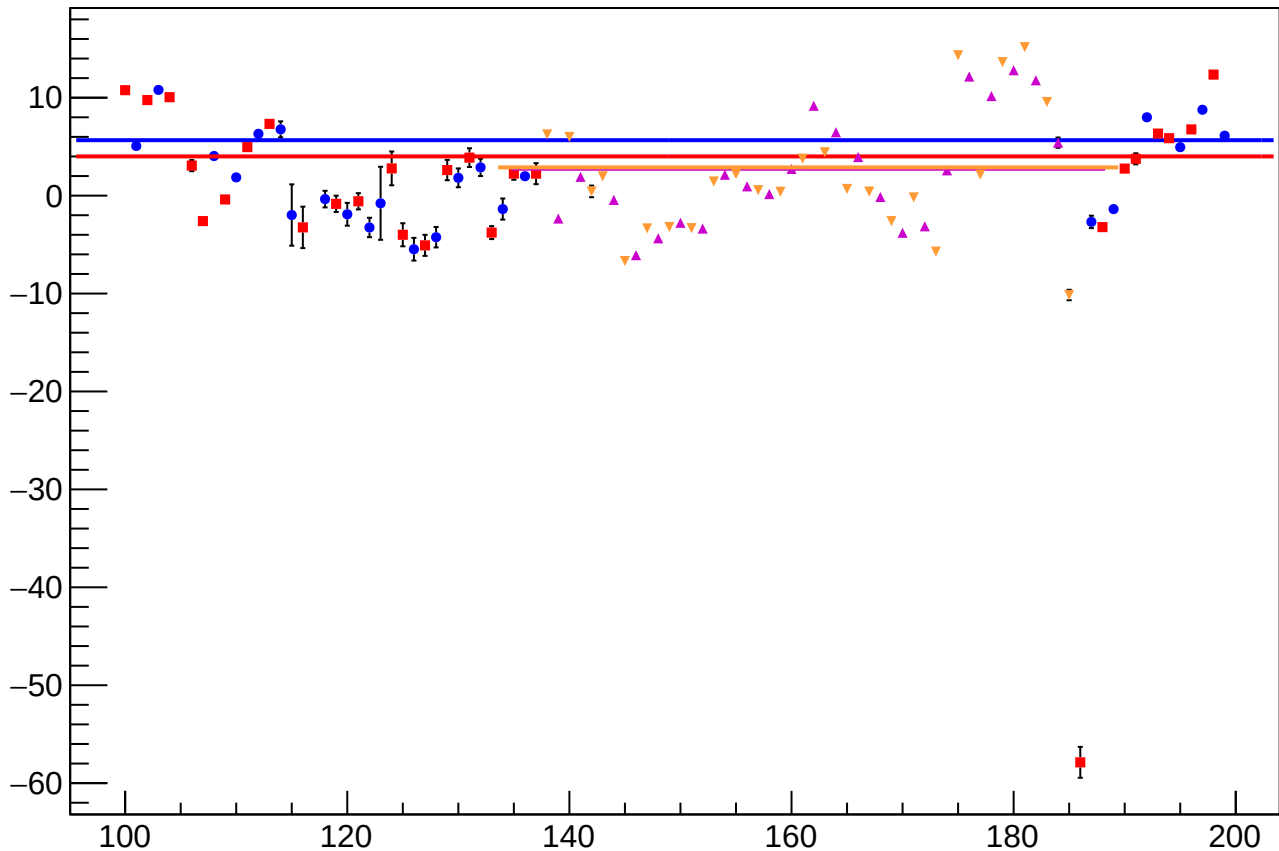
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -0.912 ± 0.038 χ^2/NDF : 40290.2/47

All: -1.013 ± 0.027 χ^2/NDF : 90896.3/97

- sign -1.124 ± 0.039 χ^2/NDF : 50590.9/49

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.662 ± 0.077 χ^2/NDF : 2148.2/22

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 4.005 ± 0.070 χ^2/NDF : 7601.0/26

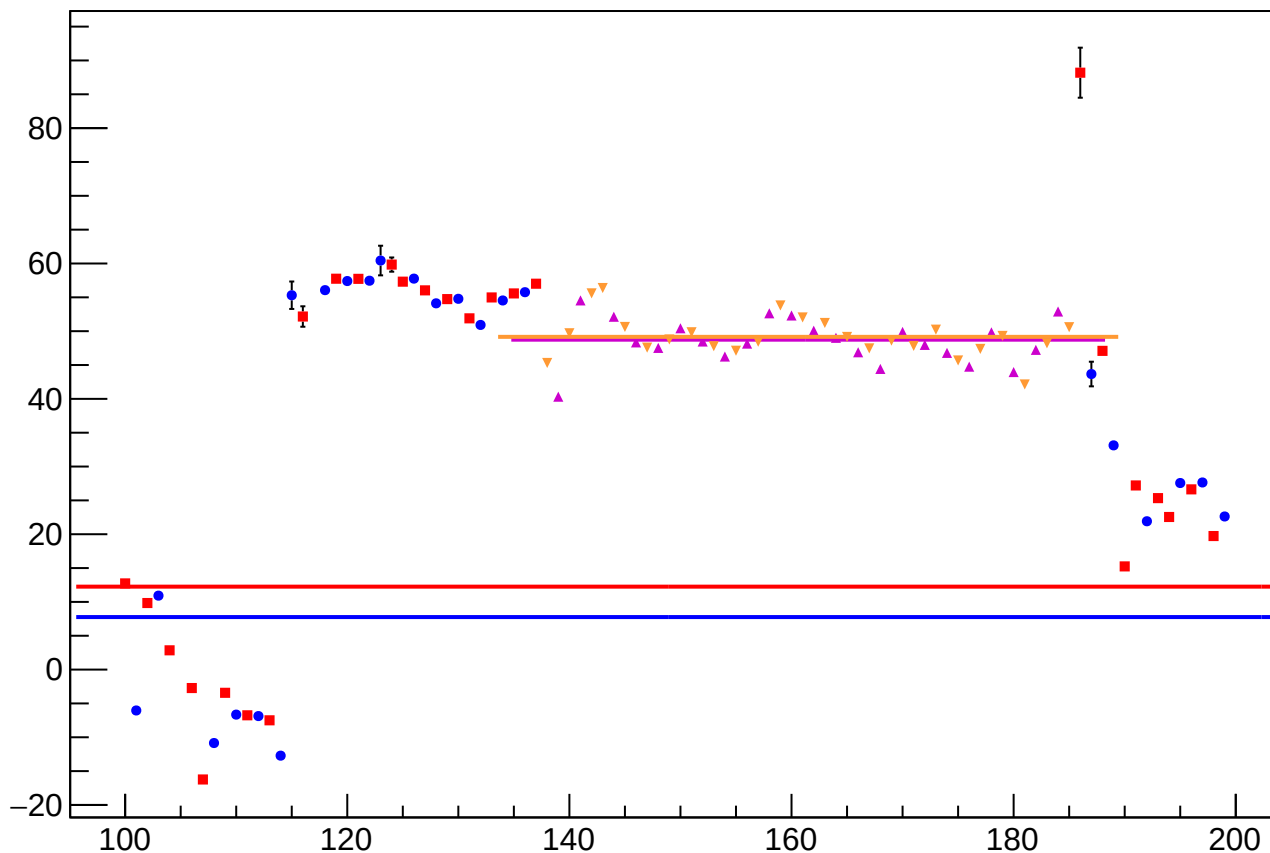
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 4.149 ± 0.052 χ^2/NDF : 11752.9/47

All: 3.754 ± 0.036 χ^2/NDF : 26807.1/97

- sign 3.386 ± 0.050 χ^2/NDF : 14942.3/49

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 7.761 ± 0.062 χ^2/NDF : 128297.1/22

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 12.255 ± 0.066 χ^2/NDF : 133489.8/26

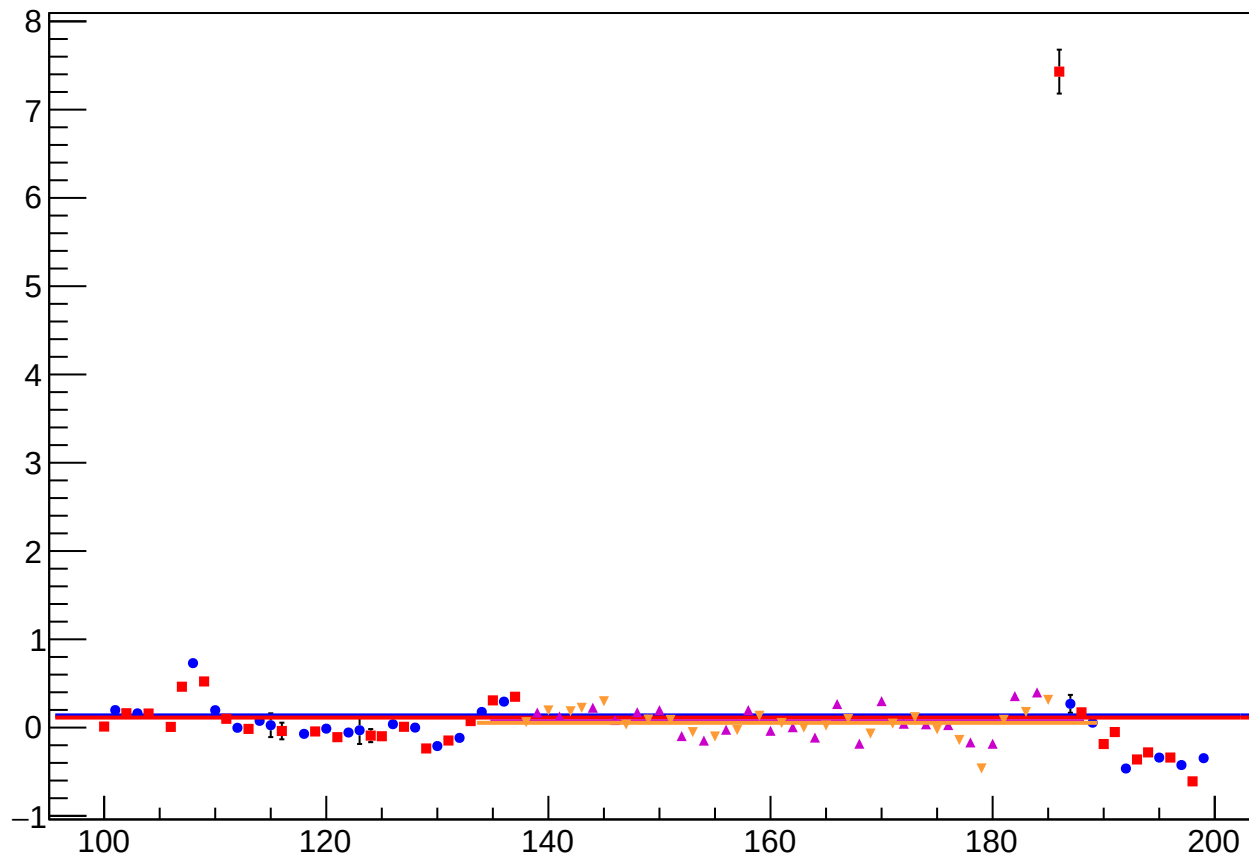
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.651 ± 0.044 χ^2/NDF : 353347.4/47

All: 29.775 ± 0.032 χ^2/NDF : 649584.6/97

- sign 30.994 ± 0.046 χ^2/NDF : 294868.6/49

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.138 $\pm$ 0.003 χ^2 /NDF: 10067.3/22

Left Out: 0.054 $\pm$ 0.003 χ^2 /NDF: 2379.8/24

Right Out: 0.114 $\pm$ 0.002 χ^2 /NDF: 9458.4/26

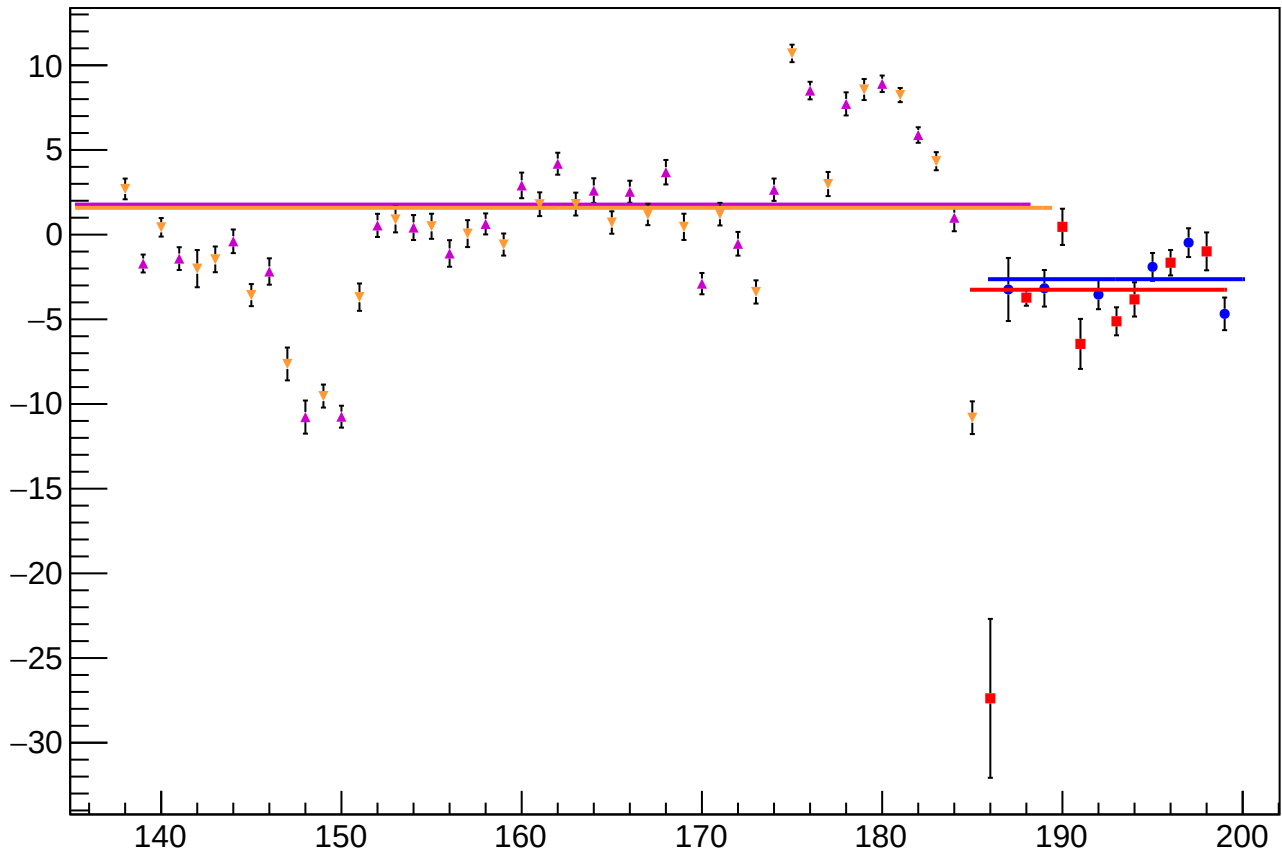
Left In: 0.070 $\pm$ 0.003 χ^2 /NDF: 3233.8/22

+ sign 0.100 $\pm$ 0.002 χ^2 /NDF: 12931.3/47

All: 0.098 $\pm$ 0.001 χ^2 /NDF: 25757.4/97

- sign 0.095 $\pm$ 0.002 χ^2 /NDF: 12822.8/49

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.631 ± 0.394 χ^2/NDF : 13.2/5

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.254 ± 0.305 χ^2/NDF : 58.2/7

Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 1.155 ± 0.126 χ^2/NDF : 1574.7/30

All: 1.049 ± 0.088 χ^2/NDF : 3159.2/61

- sign 0.946 ± 0.124 χ^2/NDF : 1583.1/30

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -65.834 ± 0.199 $\chi^2/\text{NDF}: 5352.5/22$

Left Out: -54.707 ± 0.106 $\chi^2/\text{NDF}: 1126.0/24$

Right Out: -65.772 ± 0.183 $\chi^2/\text{NDF}: 8201.0/26$

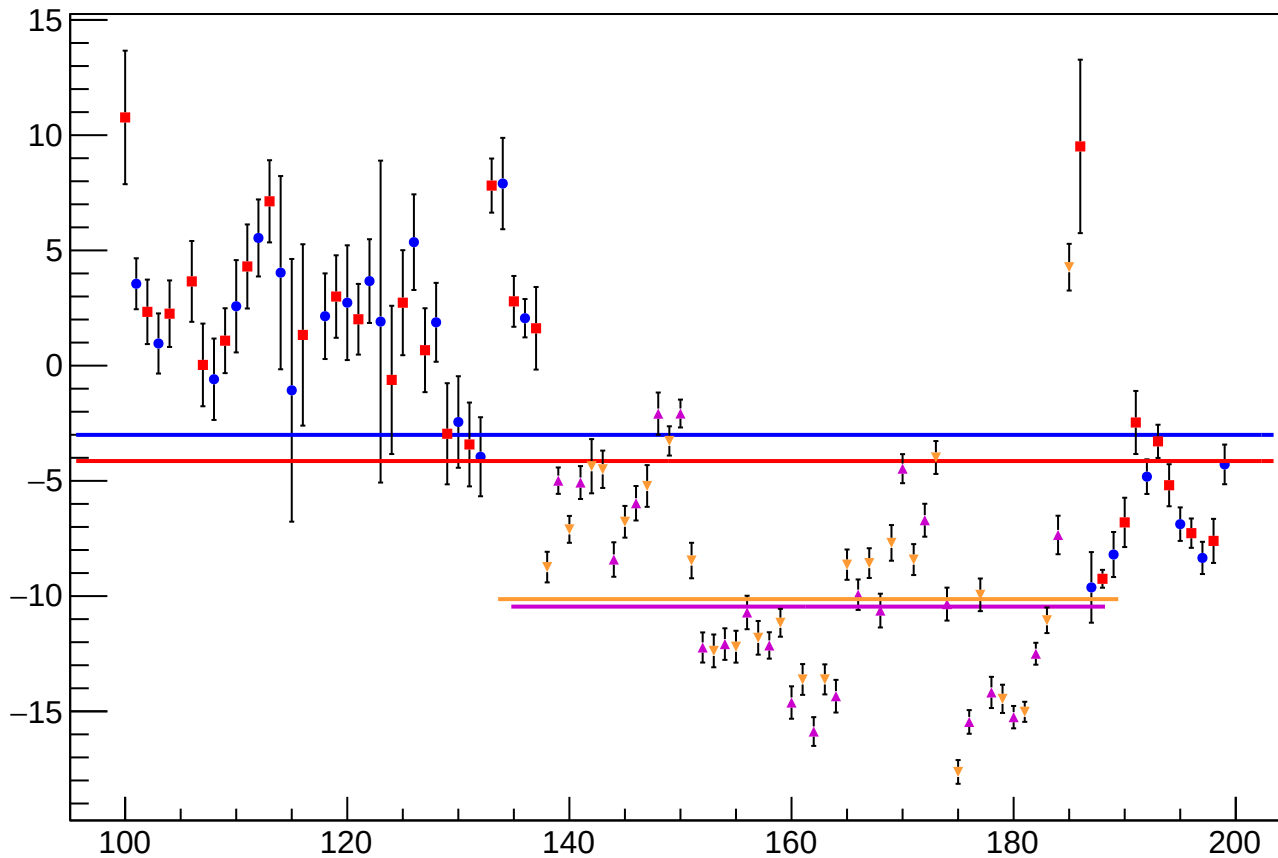
Left In: -54.650 ± 0.110 $\chi^2/\text{NDF}: 1077.1/22$

+ sign -57.153 ± 0.093 $\chi^2/\text{NDF}: 8914.9/47$

All: -57.373 ± 0.066 $\chi^2/\text{NDF}: 20923.2/97$

- sign -57.596 ± 0.094 $\chi^2/\text{NDF}: 11997.2/49$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -3.005 ± 0.262 χ^2/NDF : 343.8/22

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -4.140 ± 0.216 χ^2/NDF : 607.6/26

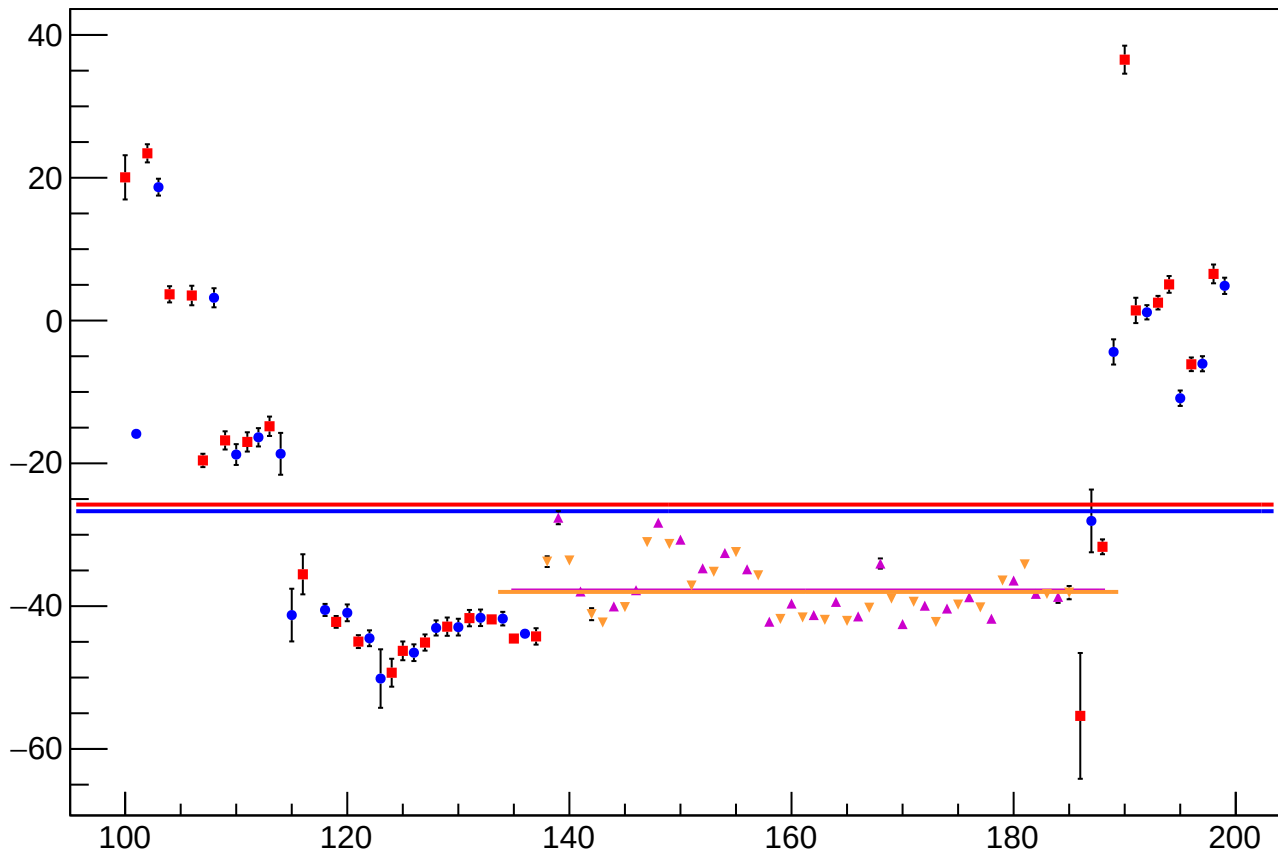
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.672 ± 0.118 χ^2/NDF : 1988.8/47

All: -8.680 ± 0.082 χ^2/NDF : 4215.5/97

- sign -8.687 ± 0.114 χ^2/NDF : 2226.7/49

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -26.702 ± 0.229 χ^2/NDF : 7478.9/22

Left Out: -38.006 ± 0.119 χ^2/NDF : 946.0/24

Right Out: -25.774 ± 0.214 χ^2/NDF : 10685.0/26

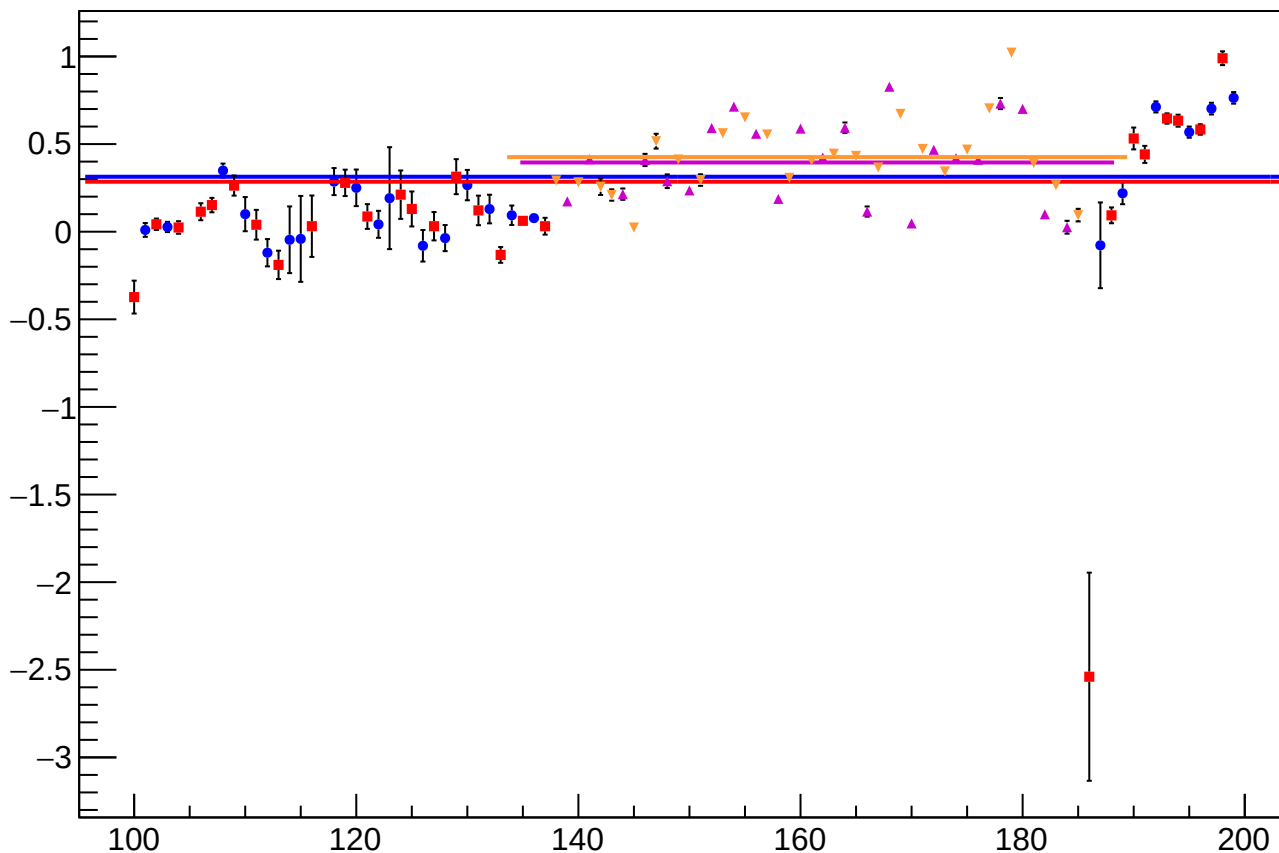
Left In: -37.809 ± 0.122 χ^2/NDF : 1039.9/22

+ sign -35.605 ± 0.105 χ^2/NDF : 10350.4/47

All: -35.232 ± 0.075 χ^2/NDF : 24478.6/97

- sign -34.853 ± 0.106 χ^2/NDF : 14103.0/49

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.314 ± 0.010 χ^2/NDF : 934.5/22

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.285 ± 0.009 χ^2/NDF : 1175.7/26

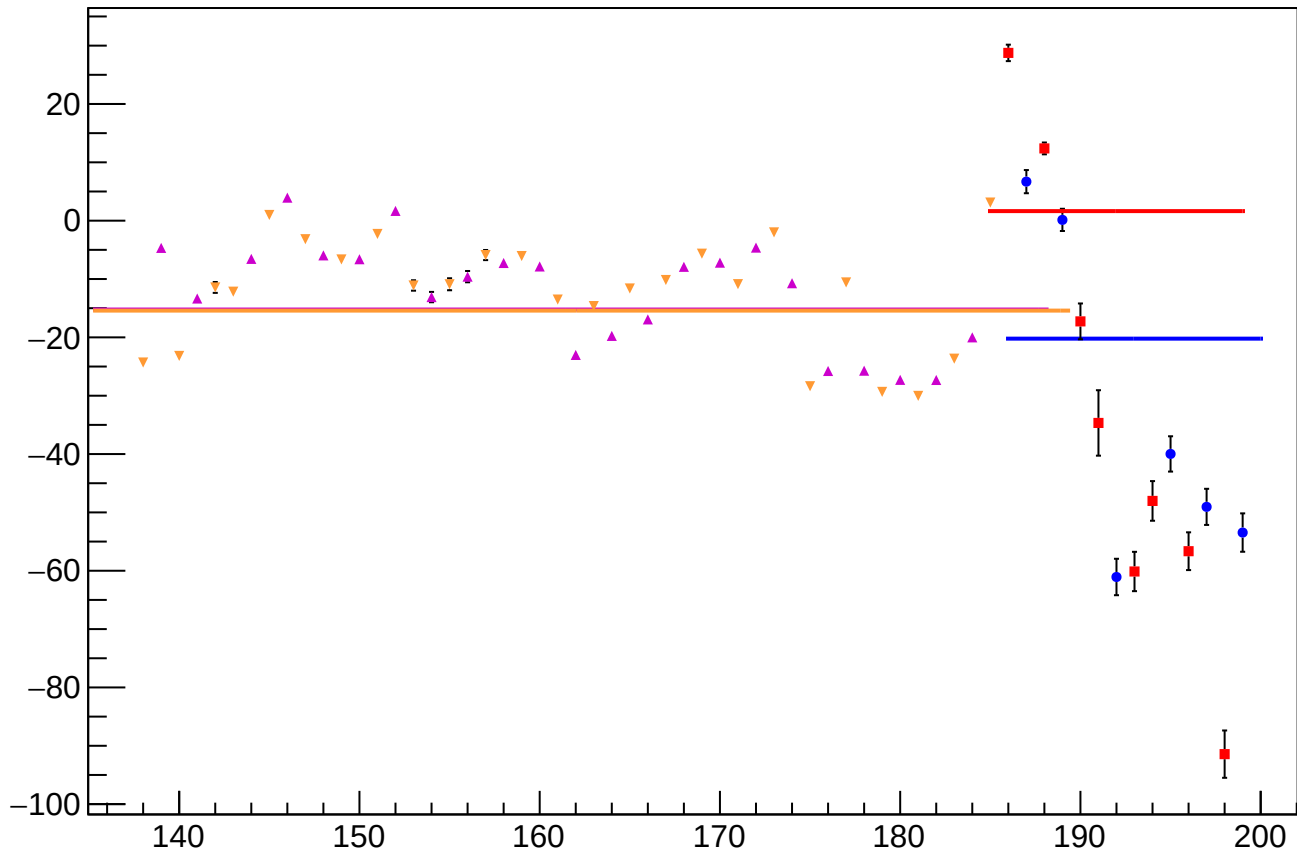
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.400 ± 0.005 χ^2/NDF : 2337.5/47

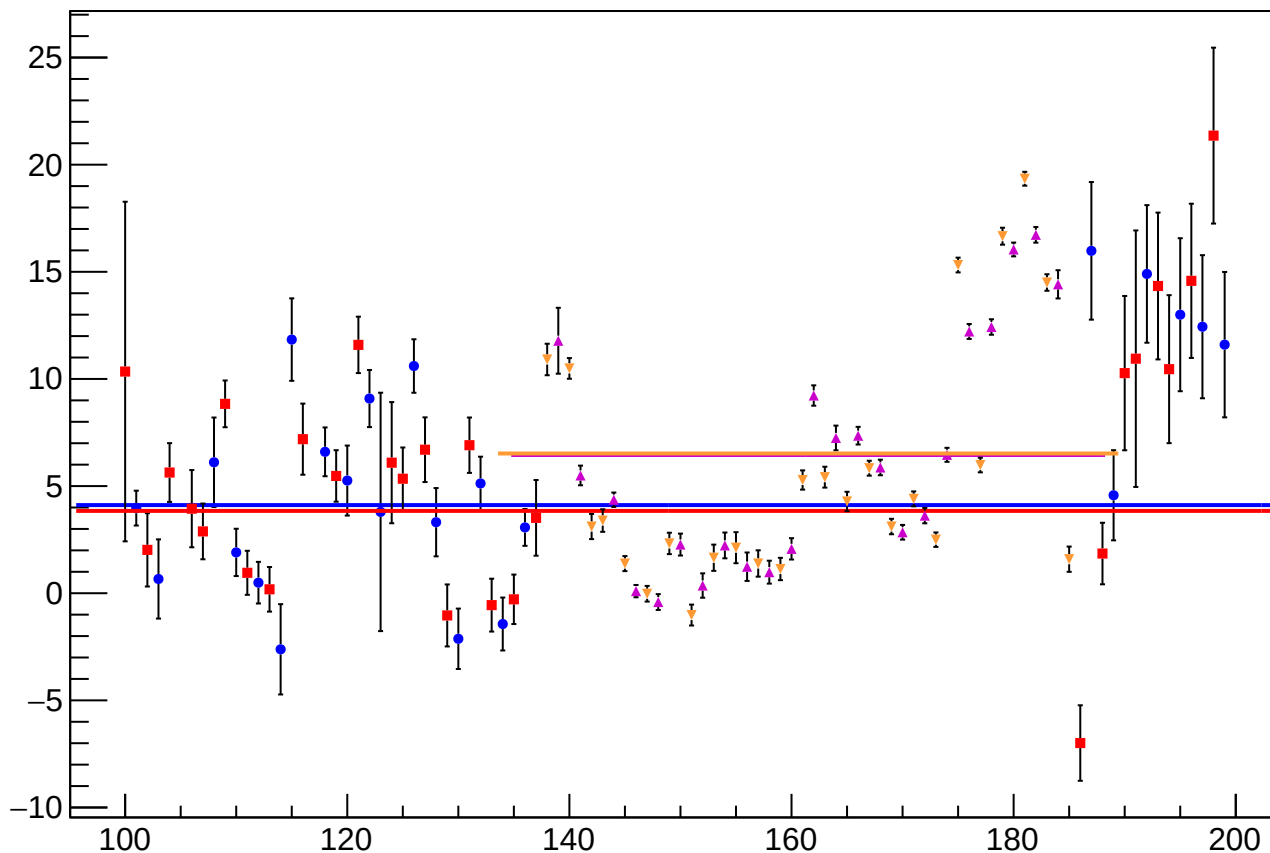
All: 0.383 ± 0.003 χ^2/NDF : 5441.5/97

- sign 0.367 ± 0.005 χ^2/NDF : 3078.9/49

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.112 ± 0.301 $\chi^2/\text{NDF}: 179.3/22$

Left Out: 6.521 ± 0.085 $\chi^2/\text{NDF}: 4985.2/24$

Right Out: 3.843 ± 0.299 $\chi^2/\text{NDF}: 218.2/26$

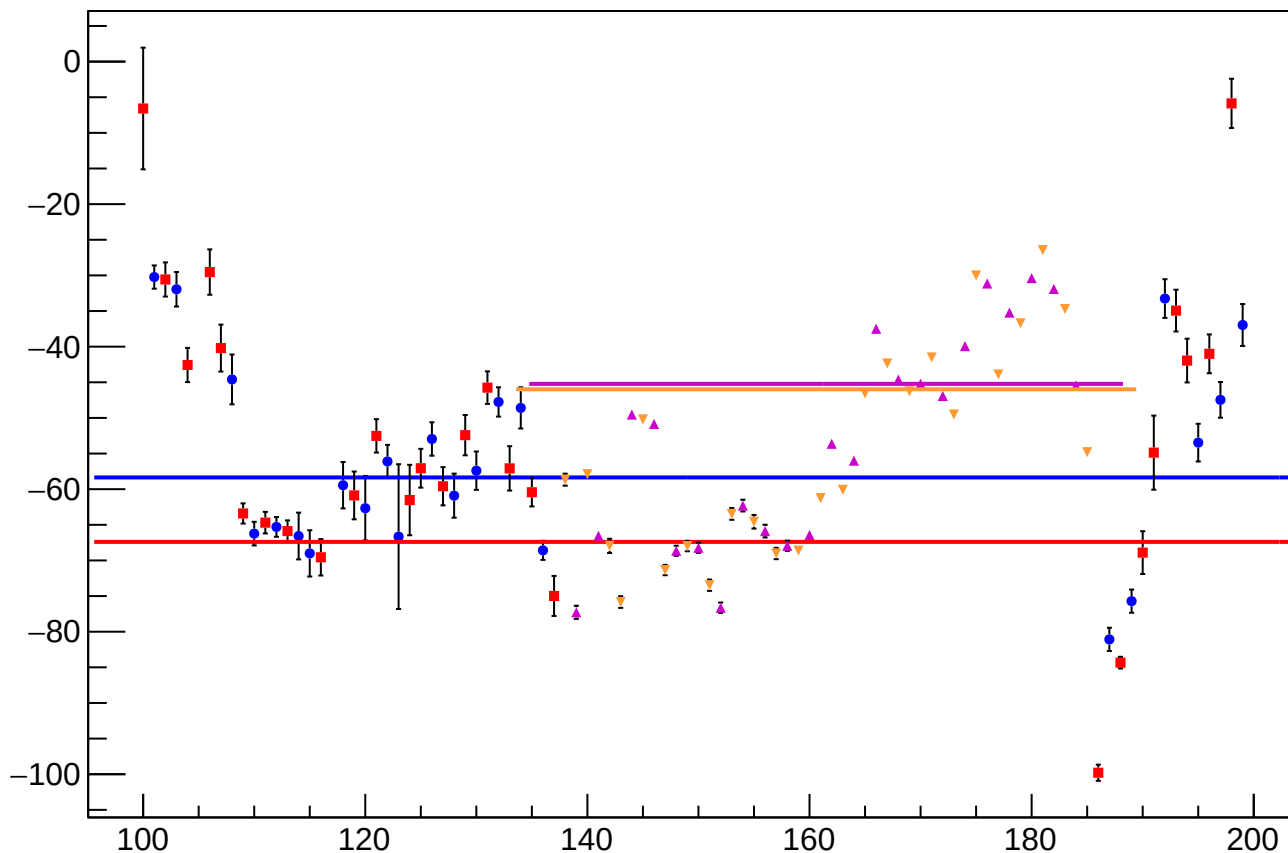
Left In: 6.452 ± 0.086 $\chi^2/\text{NDF}: 3948.0/22$

+ sign 6.342 ± 0.082 $\chi^2/\text{NDF}: 5223.6/47$

All: 6.297 ± 0.058 $\chi^2/\text{NDF}: 9460.8/97$

- sign 6.252 ± 0.083 $\chi^2/\text{NDF}: 4236.5/49$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -58.353 ± 0.462 χ^2/NDF : 1069.2/22

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -67.397 ± 0.397 χ^2/NDF : 2688.9/26

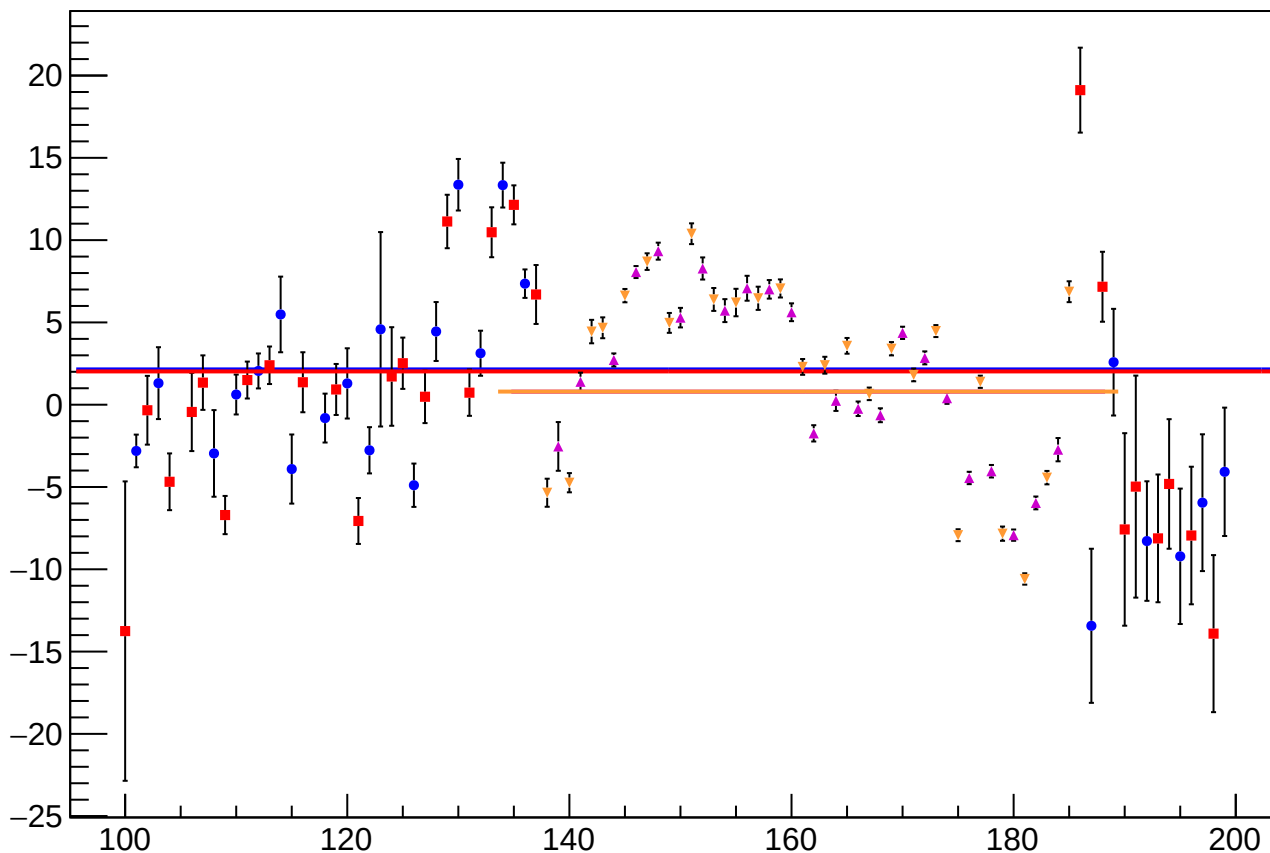
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.603 ± 0.104 χ^2/NDF : 19110.0/47

All: -46.665 ± 0.073 χ^2/NDF : 40304.5/97

- sign -46.727 ± 0.104 χ^2/NDF : 21193.8/49

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.145 $\pm$ 0.340 χ^2 /NDF: 276.6/22

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 2.023 $\pm$ 0.342 χ^2 /NDF: 344.9/26

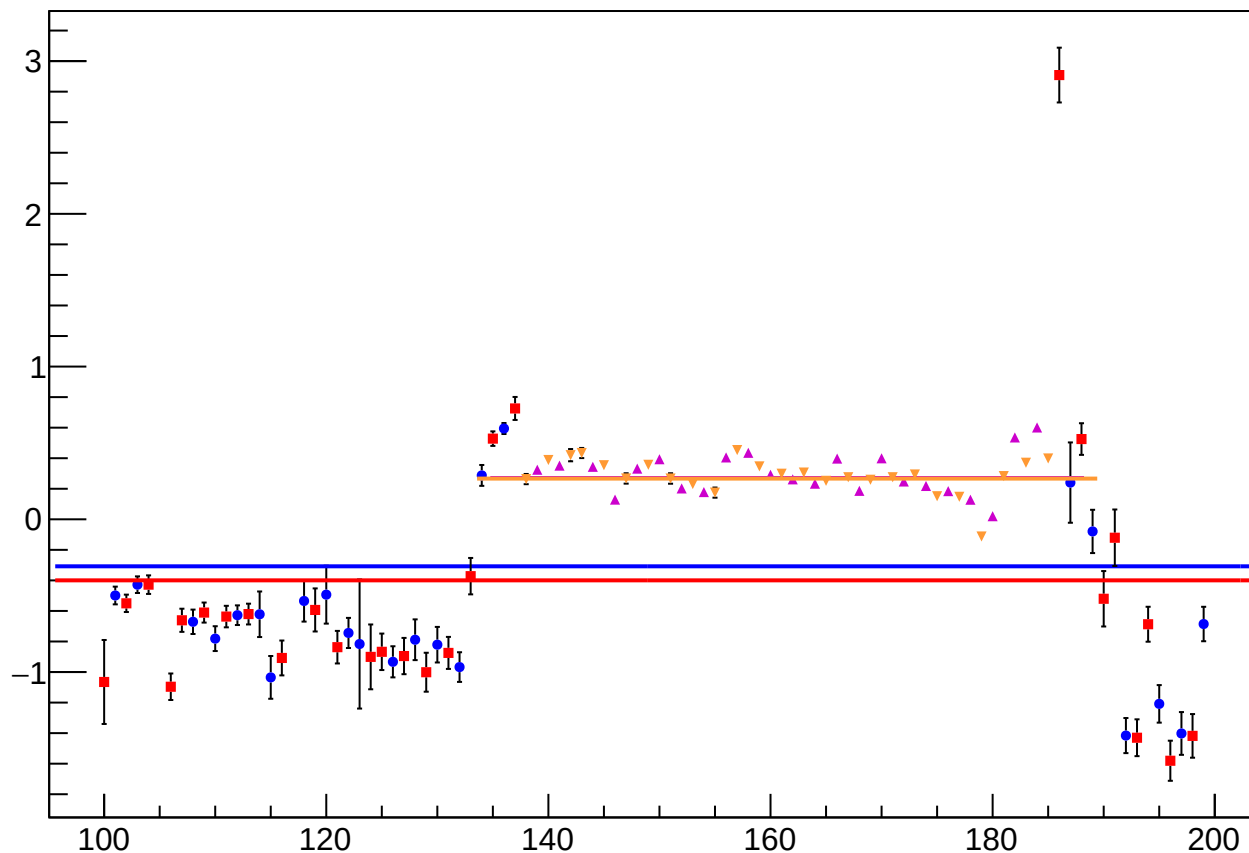
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.896 $\pm$ 0.092 χ^2 /NDF: 4051.2/47

All: 0.890 $\pm$ 0.065 χ^2 /NDF: 7100.6/97

- sign 0.883 $\pm$ 0.093 χ^2 /NDF: 3049.4/49

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.308 ± 0.018 χ^2/NDF : 1198.8/22

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.400 ± 0.018 χ^2/NDF : 1478.5/26

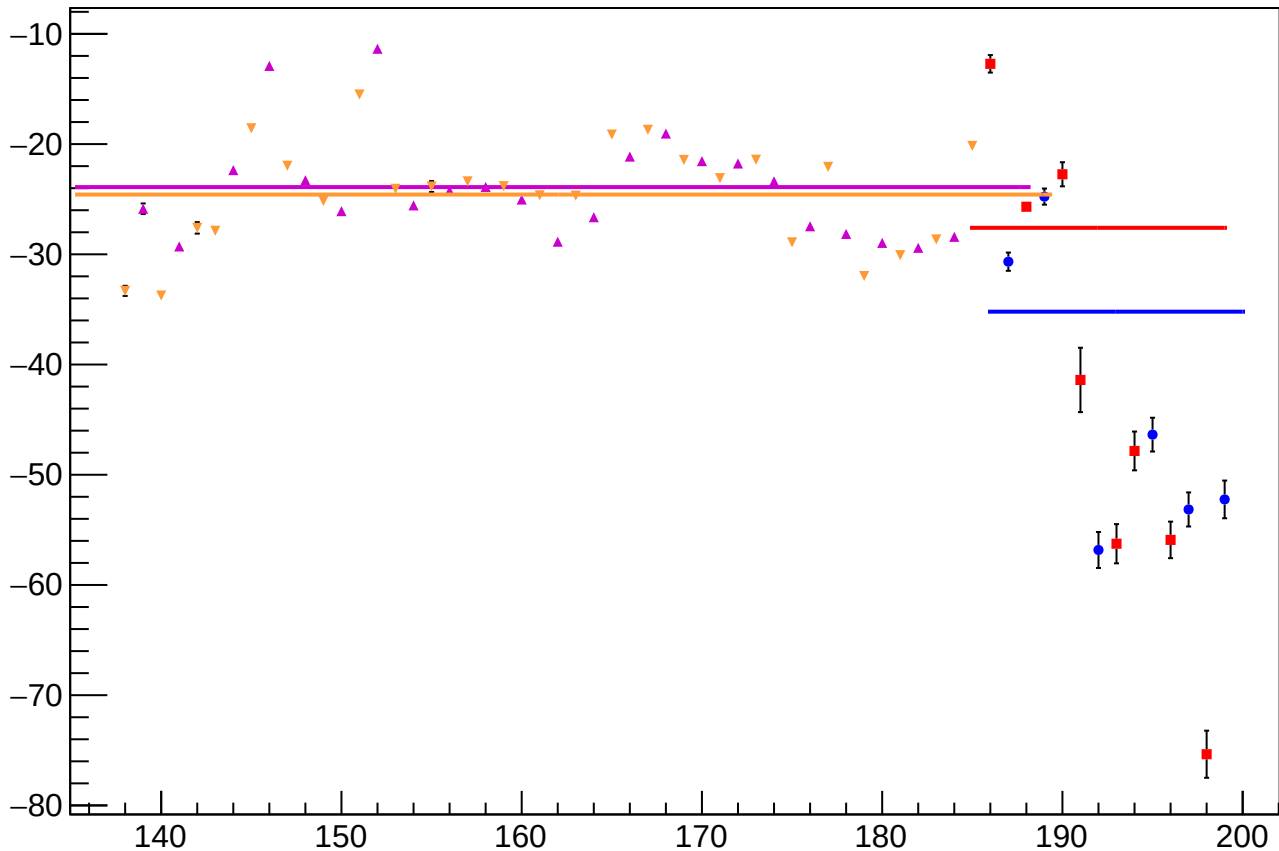
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.234 ± 0.004 χ^2/NDF : 2872.6/47

All: 0.233 ± 0.003 χ^2/NDF : 6675.1/97

- sign 0.231 ± 0.004 χ^2/NDF : 3802.2/49

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -35.204 ± 0.452 χ^2/NDF : 696.5/5

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -27.596 ± 0.331 χ^2/NDF : 1596.2/7

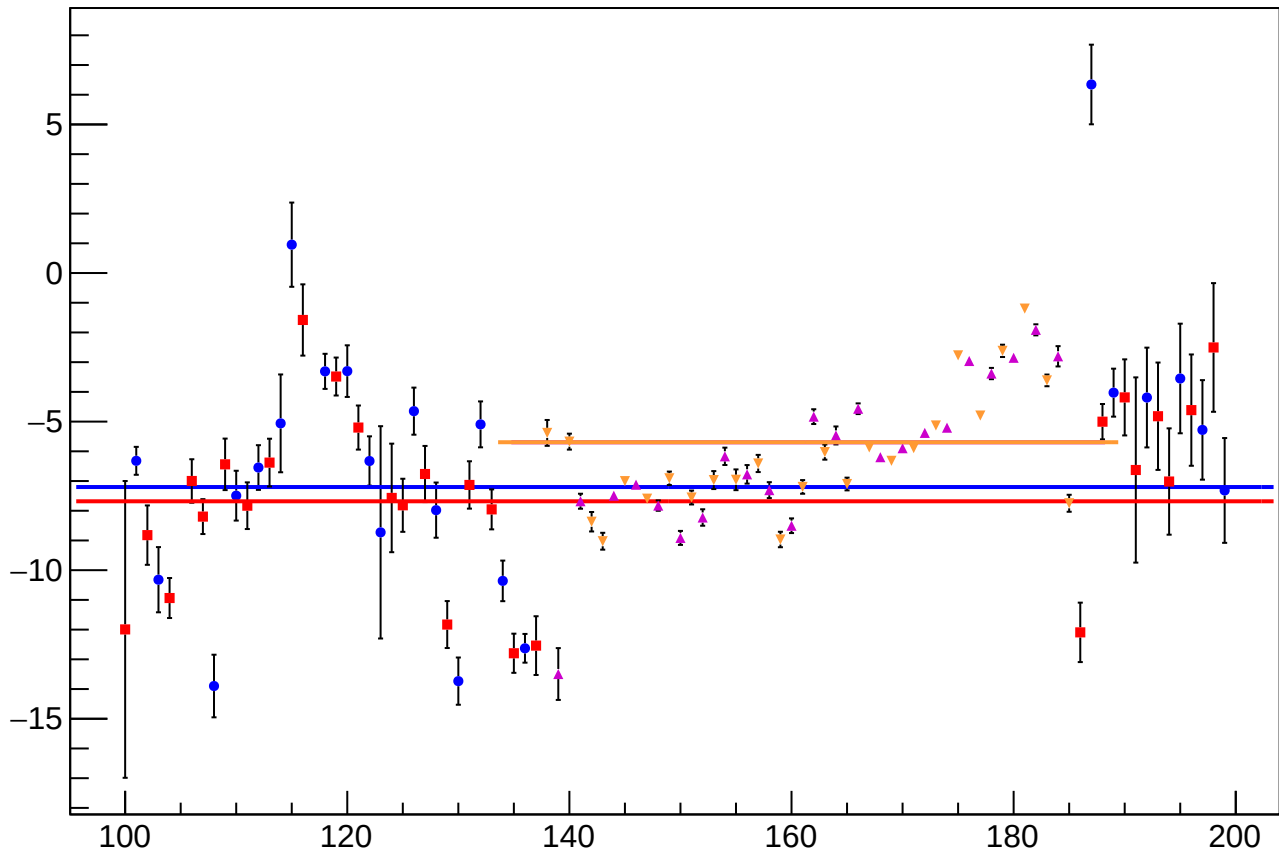
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.711 ± 0.051 χ^2/NDF : 9832.9/30

All: -24.348 ± 0.036 χ^2/NDF : 20808.3/61

- sign -23.987 ± 0.050 χ^2/NDF : 10873.1/30

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.202 ± 0.177 χ^2/NDF : 512.3/22

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.682 ± 0.170 χ^2/NDF : 284.0/26

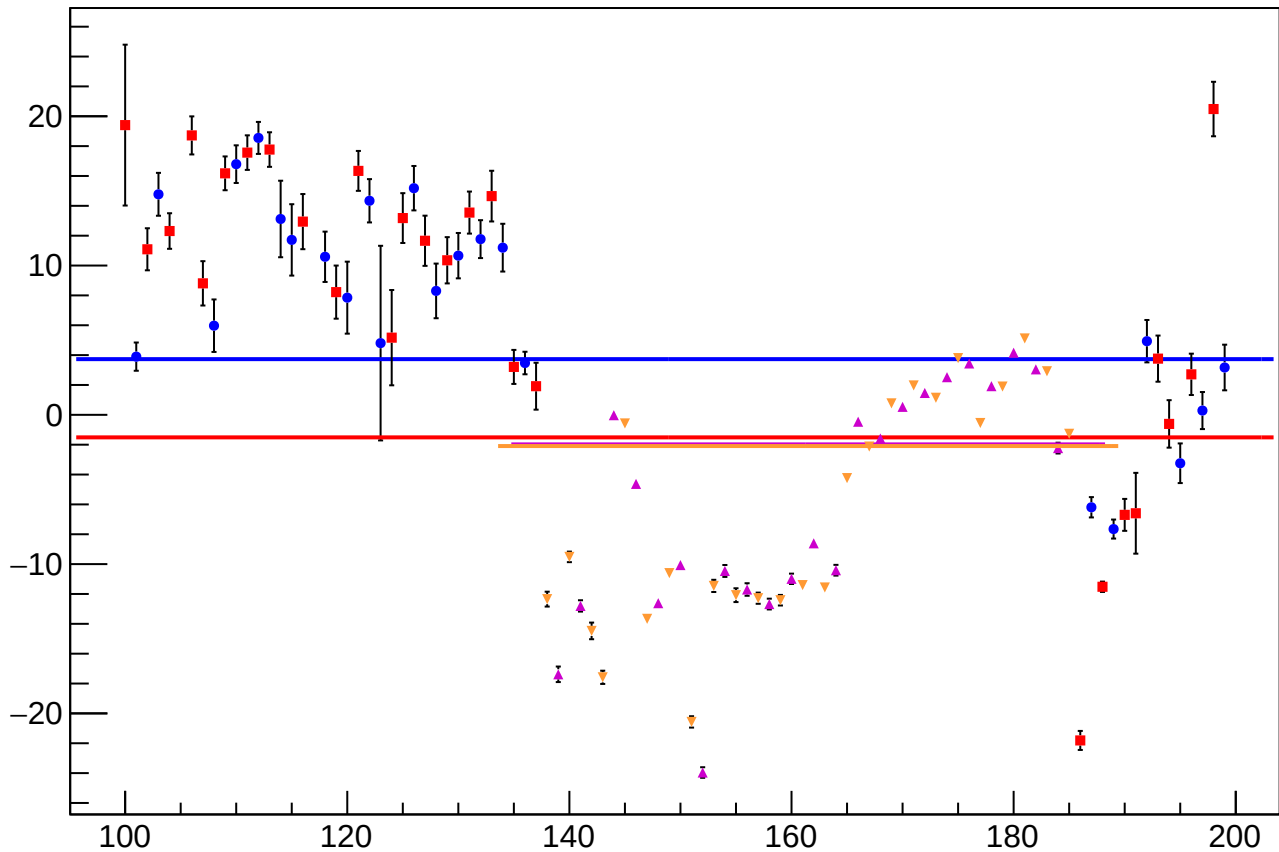
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.771 ± 0.040 χ^2/NDF : 2839.4/47

All: -5.788 ± 0.028 χ^2/NDF : 5562.3/97

- sign -5.804 ± 0.040 χ^2/NDF : 2722.5/49

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 3.730 ± 0.254 $\chi^2/\text{NDF}: 1174.0/22$

Left Out: -2.092 ± 0.051 $\chi^2/\text{NDF}: 16305.3/24$

Right Out: -1.510 ± 0.211 $\chi^2/\text{NDF}: 4065.6/26$

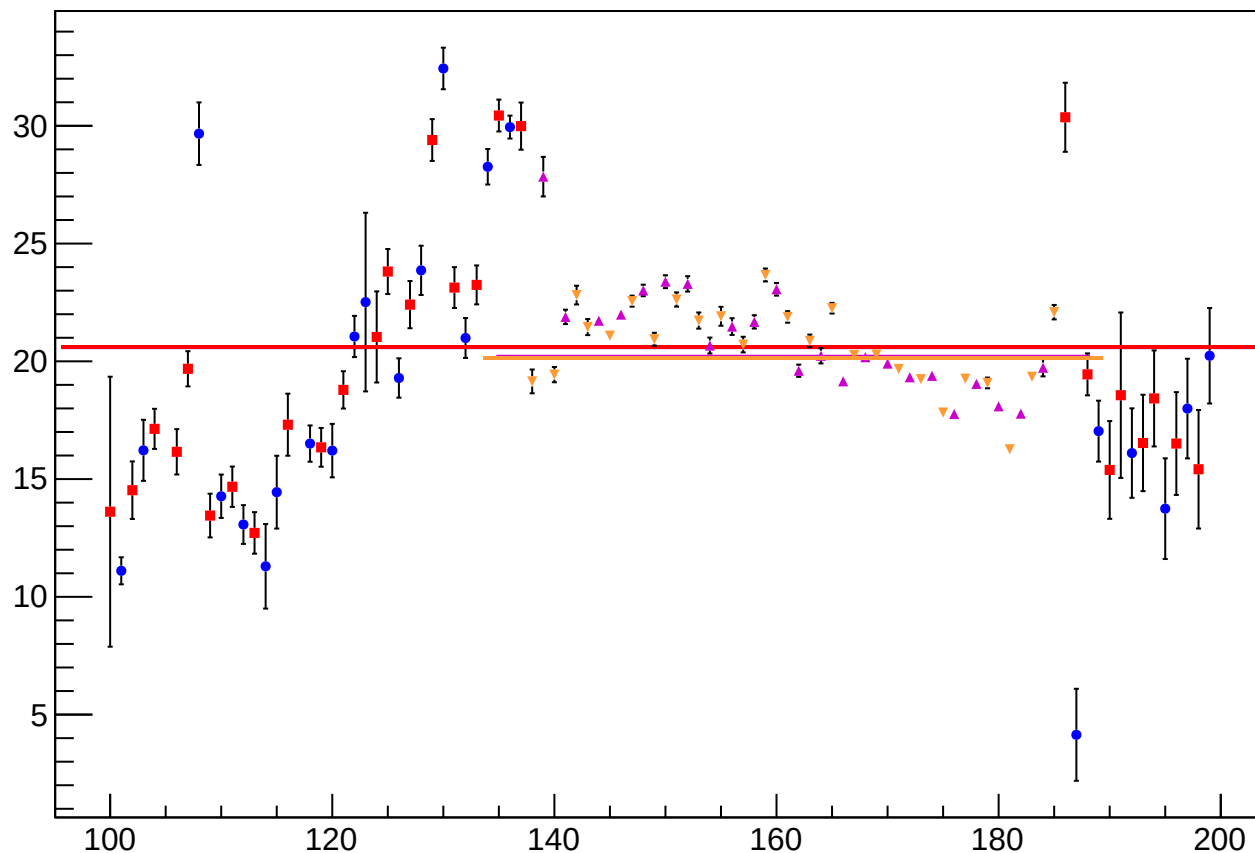
Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

+ sign -1.863 ± 0.050 $\chi^2/\text{NDF}: 17984.0/47$

All: -1.909 ± 0.035 $\chi^2/\text{NDF}: 37438.3/97$

- sign -1.954 ± 0.050 $\chi^2/\text{NDF}: 19452.6/49$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.605 $\pm$ 0.203 χ^2 /NDF: 1309.8/22

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.607 $\pm$ 0.200 χ^2 /NDF: 787.3/26

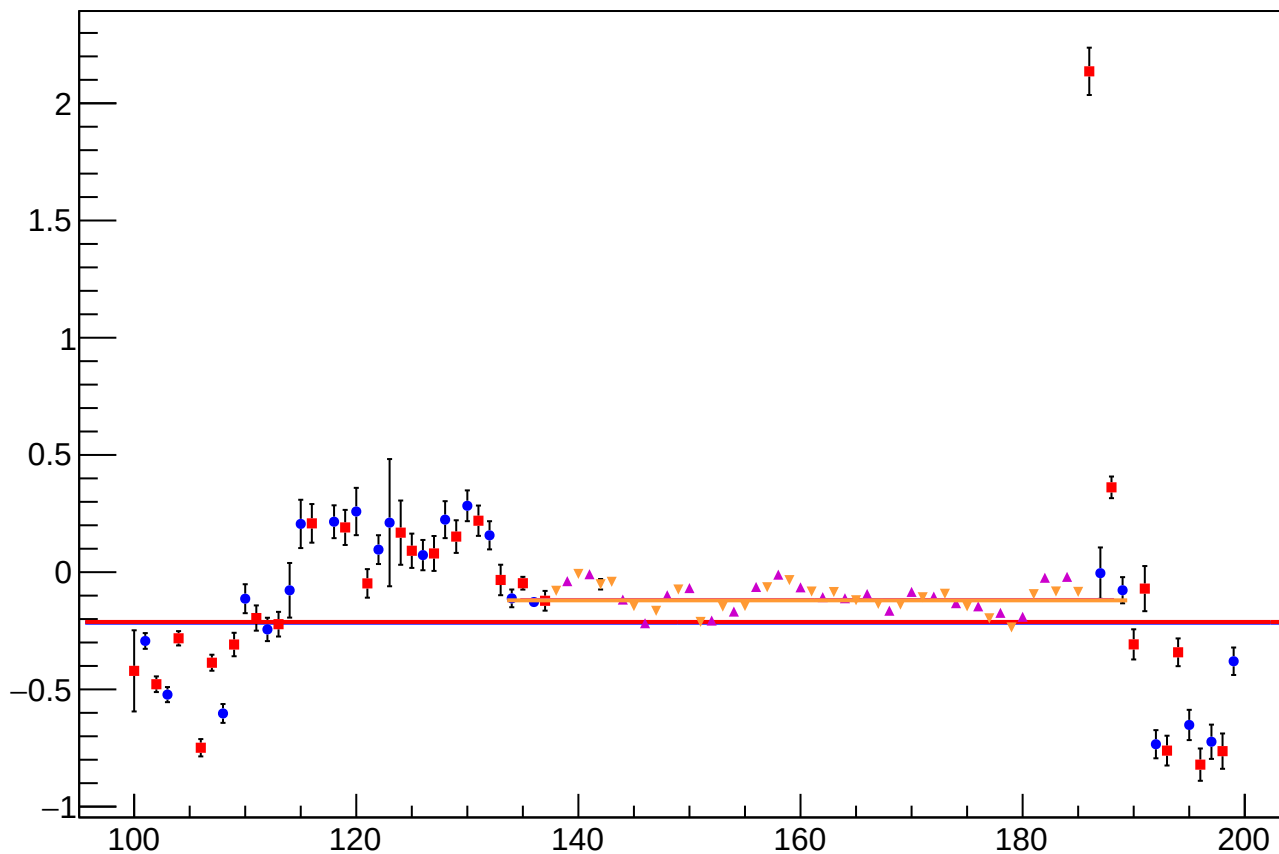
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.163 $\pm$ 0.045 χ^2 /NDF: 2733.9/47

All: 20.189 $\pm$ 0.032 χ^2 /NDF: 4973.2/97

- sign 20.215 $\pm$ 0.045 χ^2 /NDF: 2238.7/49

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.215 ± 0.010 χ^2/NDF : 658.1/22

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.212 ± 0.010 χ^2/NDF : 1445.2/26

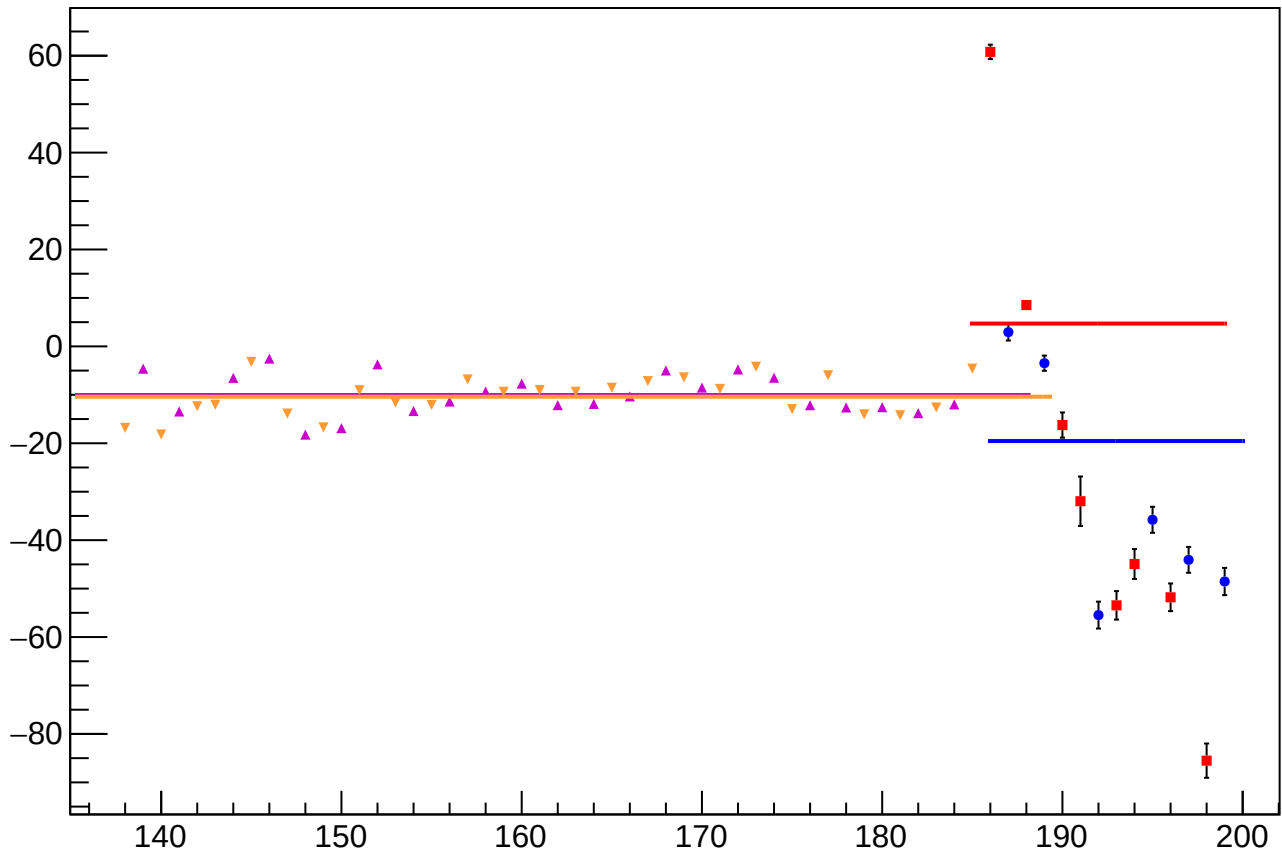
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.124 ± 0.002 χ^2/NDF : 1270.0/47

All: -0.123 ± 0.001 χ^2/NDF : 3522.2/97

- sign -0.123 ± 0.002 χ^2/NDF : 2252.1/49

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -19.541 ± 0.885 $\chi^2/\text{NDF}: 668.4/5$

Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$

Right Out: 4.707 ± 0.643 $\chi^2/\text{NDF}: 3250.7/7$

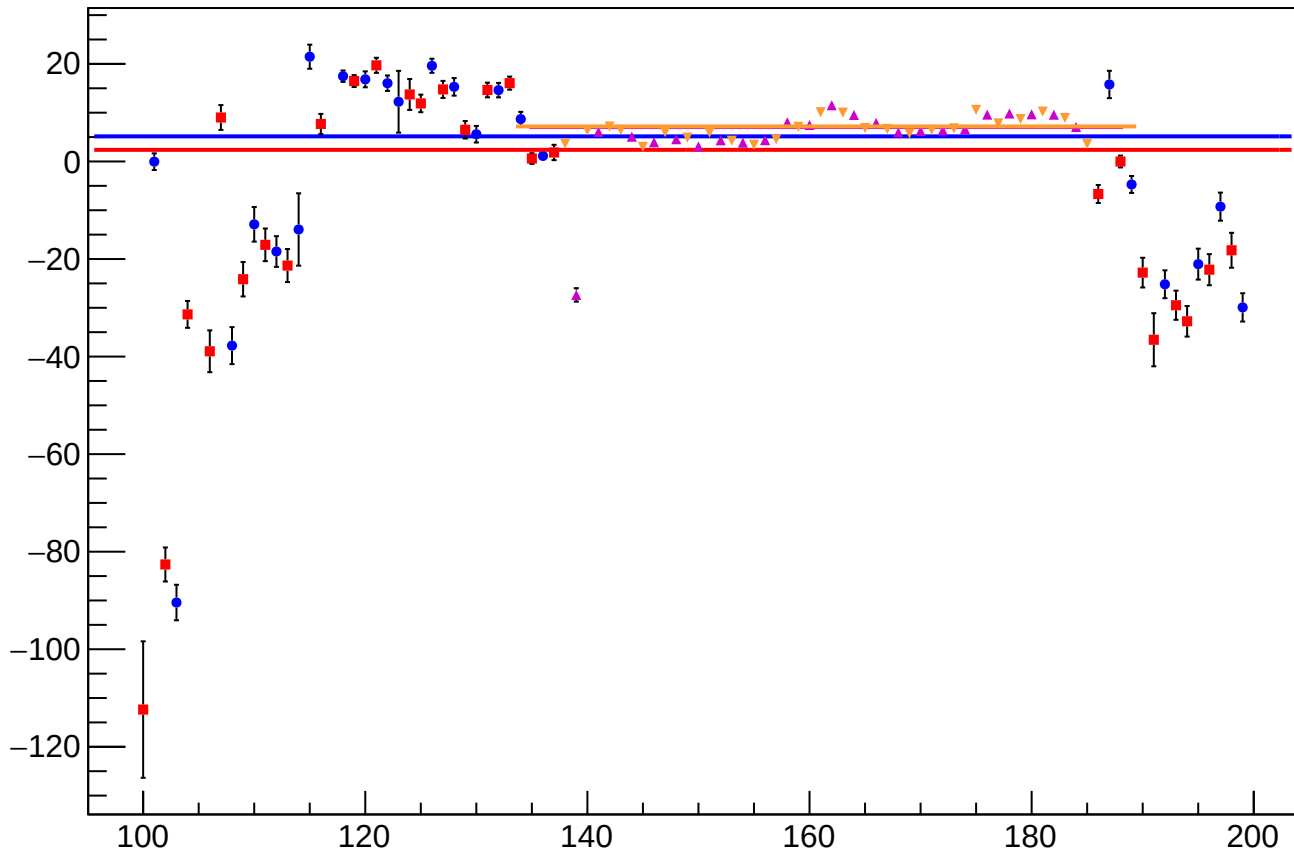
Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

+ sign -10.480 ± 0.087 $\chi^2/\text{NDF}: 2885.7/30$

All: -10.123 ± 0.062 $\chi^2/\text{NDF}: 8444.1/61$

- sign -9.756 ± 0.089 $\chi^2/\text{NDF}: 5524.6/30$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 5.145 ± 0.379 χ^2/NDF : 1772.3/22

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 2.381 ± 0.384 χ^2/NDF : 2062.4/26

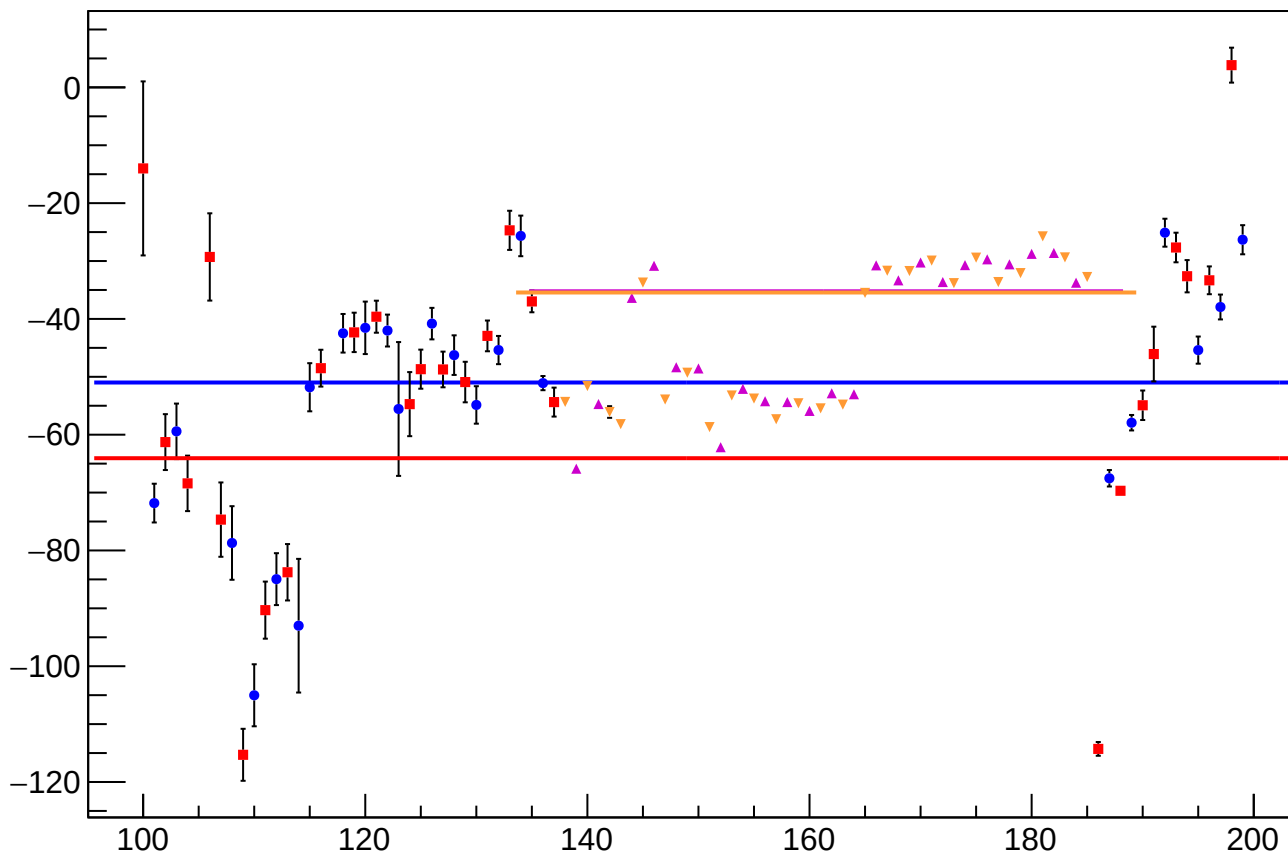
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.110 ± 0.072 χ^2/NDF : 2717.6/47

All: 6.999 ± 0.051 χ^2/NDF : 6463.4/97

- sign 6.884 ± 0.073 χ^2/NDF : 3741.0/49

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -50.986 ± 0.527 χ^2/NDF : 745.3/22

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -64.064 ± 0.442 χ^2/NDF : 3718.8/26

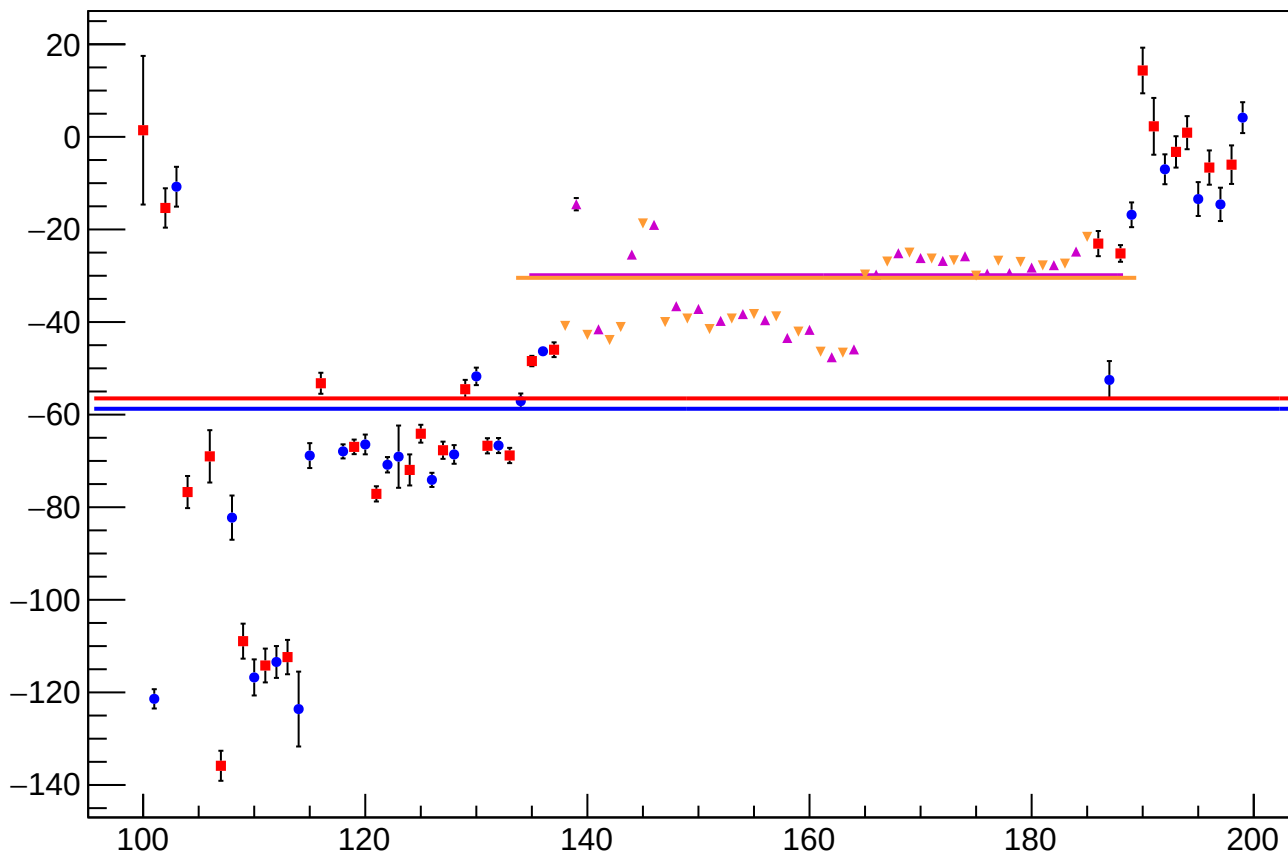
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.865 ± 0.088 χ^2/NDF : 14374.3/47

All: -36.121 ± 0.062 χ^2/NDF : 33800.1/97

- sign -36.380 ± 0.088 χ^2/NDF : 19408.8/49

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -58.733 $\pm$ 0.427 χ^2 /NDF: 3282.2/22

Left Out: -30.448 $\pm$ 0.082 χ^2 /NDF: 8167.7/24

Right Out: -56.495 $\pm$ 0.444 χ^2 /NDF: 3465.6/26

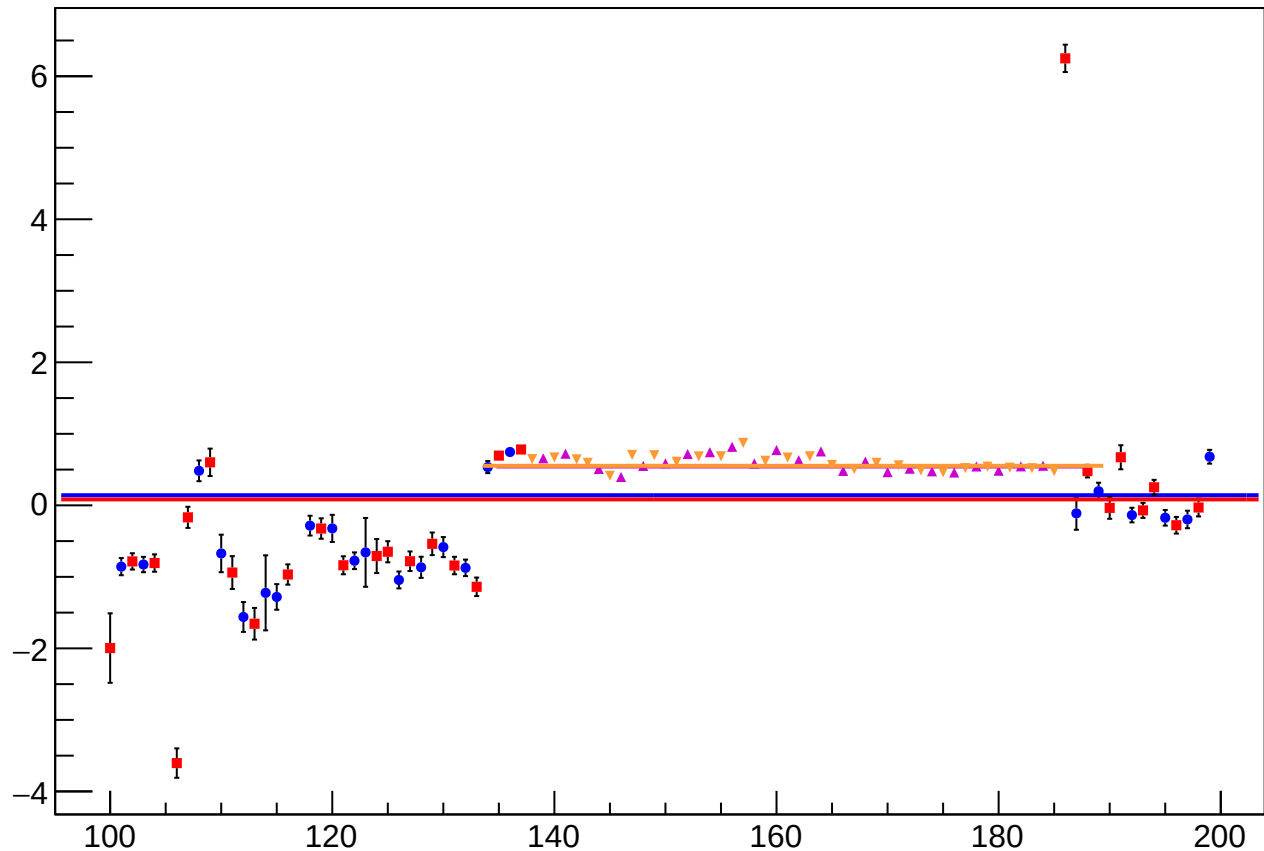
Left In: -29.892 $\pm$ 0.083 χ^2 /NDF: 7115.0/22

+ sign -31.444 $\pm$ 0.080 χ^2 /NDF: 15689.4/47

All: -31.118 $\pm$ 0.057 χ^2 /NDF: 29777.8/97

- sign -30.783 $\pm$ 0.081 χ^2 /NDF: 14054.7/49

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.021 χ^2/NDF : 1043.5/22

Left Out: 0.553 ± 0.004 χ^2/NDF : 542.1/24

Right Out: 0.083 ± 0.022 χ^2/NDF : 2277.9/26

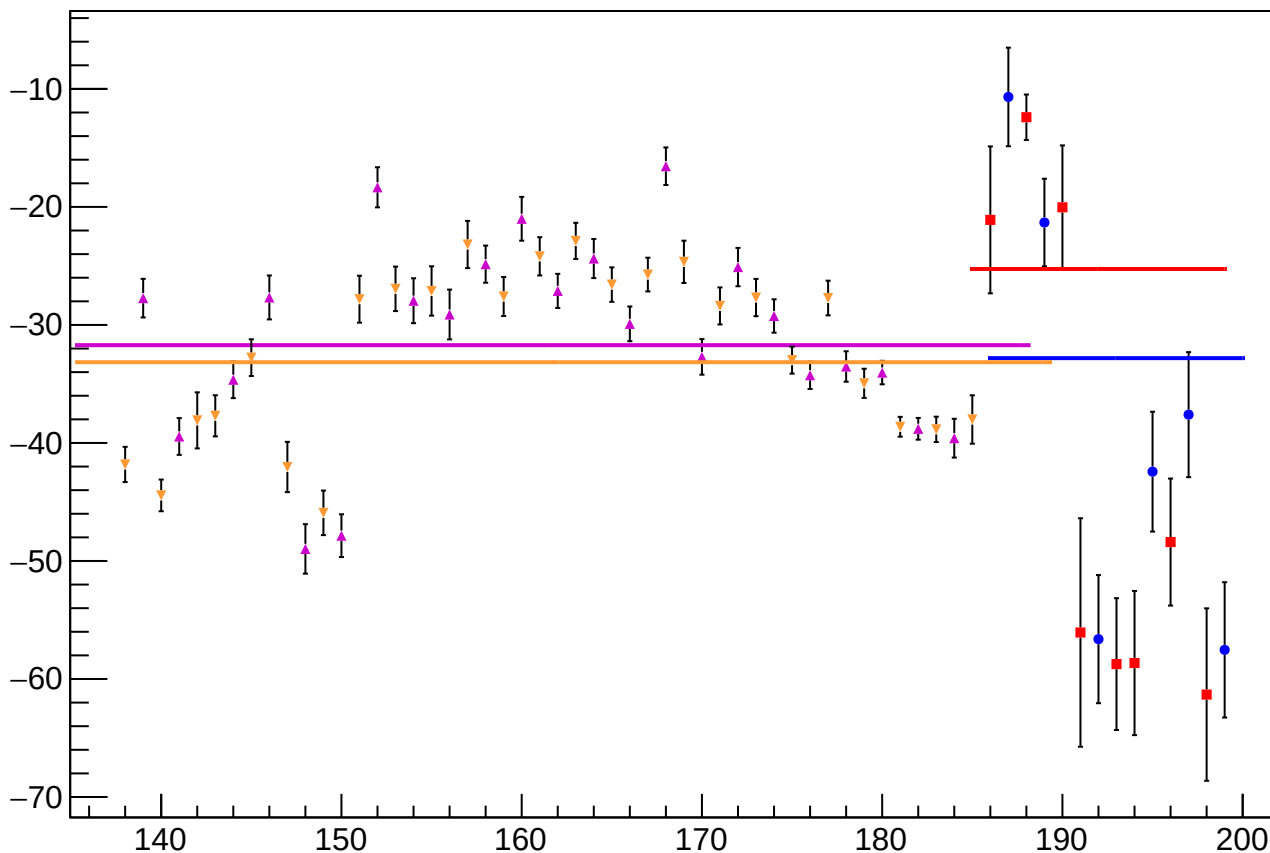
Left In: 0.544 ± 0.004 χ^2/NDF : 655.9/22

+ sign 0.541 ± 0.004 χ^2/NDF : 1942.3/47

All: 0.536 ± 0.003 χ^2/NDF : 5292.3/97

- sign 0.531 ± 0.004 χ^2/NDF : 3346.2/49

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -32.813 ± 1.929 $\chi^2/\text{NDF}: 79.9/5$

Left Out: -33.157 ± 0.300 $\chi^2/\text{NDF}: 500.1/24$

Right Out: -25.259 ± 1.482 $\chi^2/\text{NDF}: 164.9/7$

Left In: -31.714 ± 0.309 $\chi^2/\text{NDF}: 542.3/22$

+ sign -33.149 ± 0.297 $\chi^2/\text{NDF}: 580.0/30$

All: -32.314 ± 0.212 $\chi^2/\text{NDF}: 1321.5/61$

- sign -31.446 ± 0.302 $\chi^2/\text{NDF}: 725.3/30$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.158 ± 0.694 χ^2/NDF : 1963.2/22

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -54.644 ± 0.707 χ^2/NDF : 2500.0/26

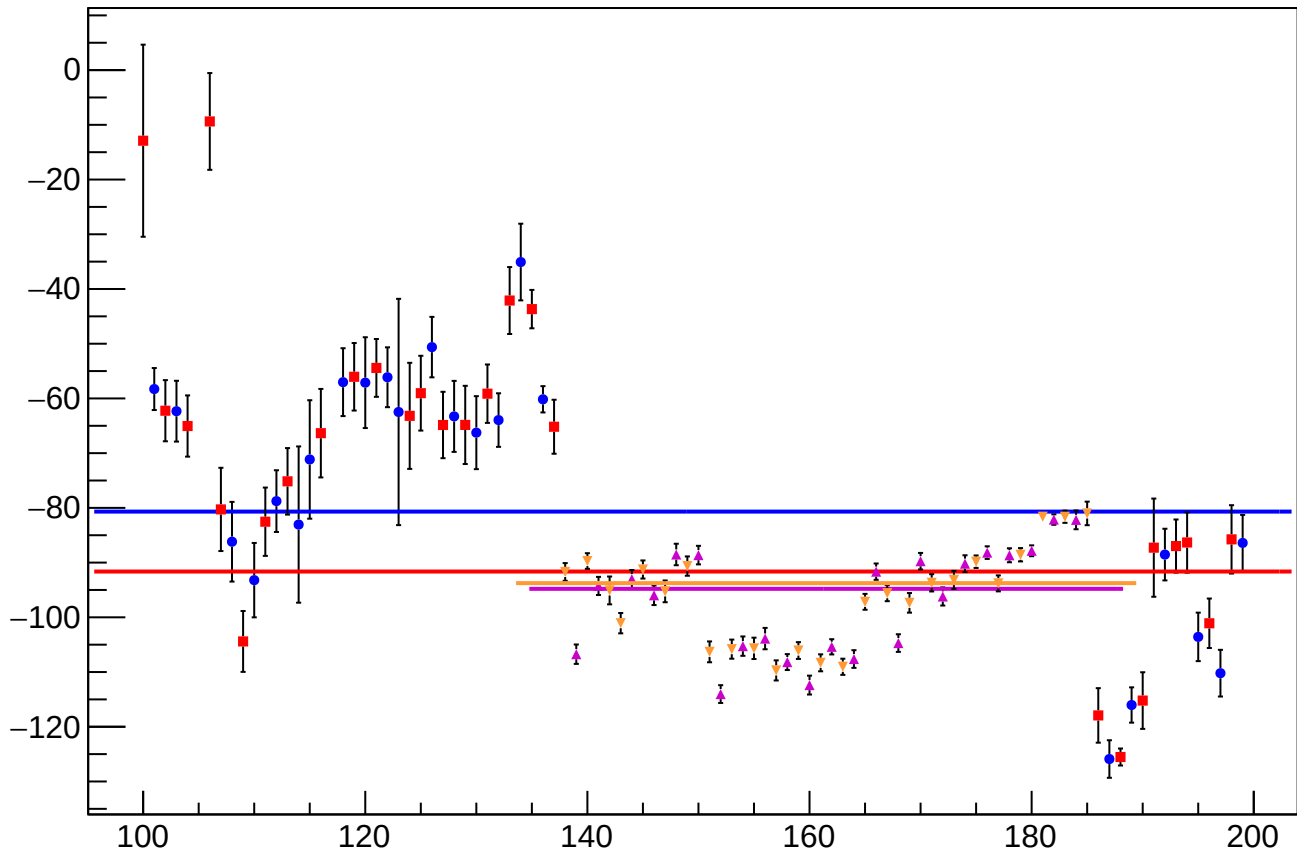
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -36.215 ± 0.228 χ^2/NDF : 3249.5/47

All: -36.320 ± 0.164 χ^2/NDF : 7948.3/97

- sign -36.434 ± 0.236 χ^2/NDF : 4698.4/49

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -80.680 ± 1.028 χ^2/NDF : 634.3/22

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -91.631 ± 0.921 χ^2/NDF : 1183.5/26

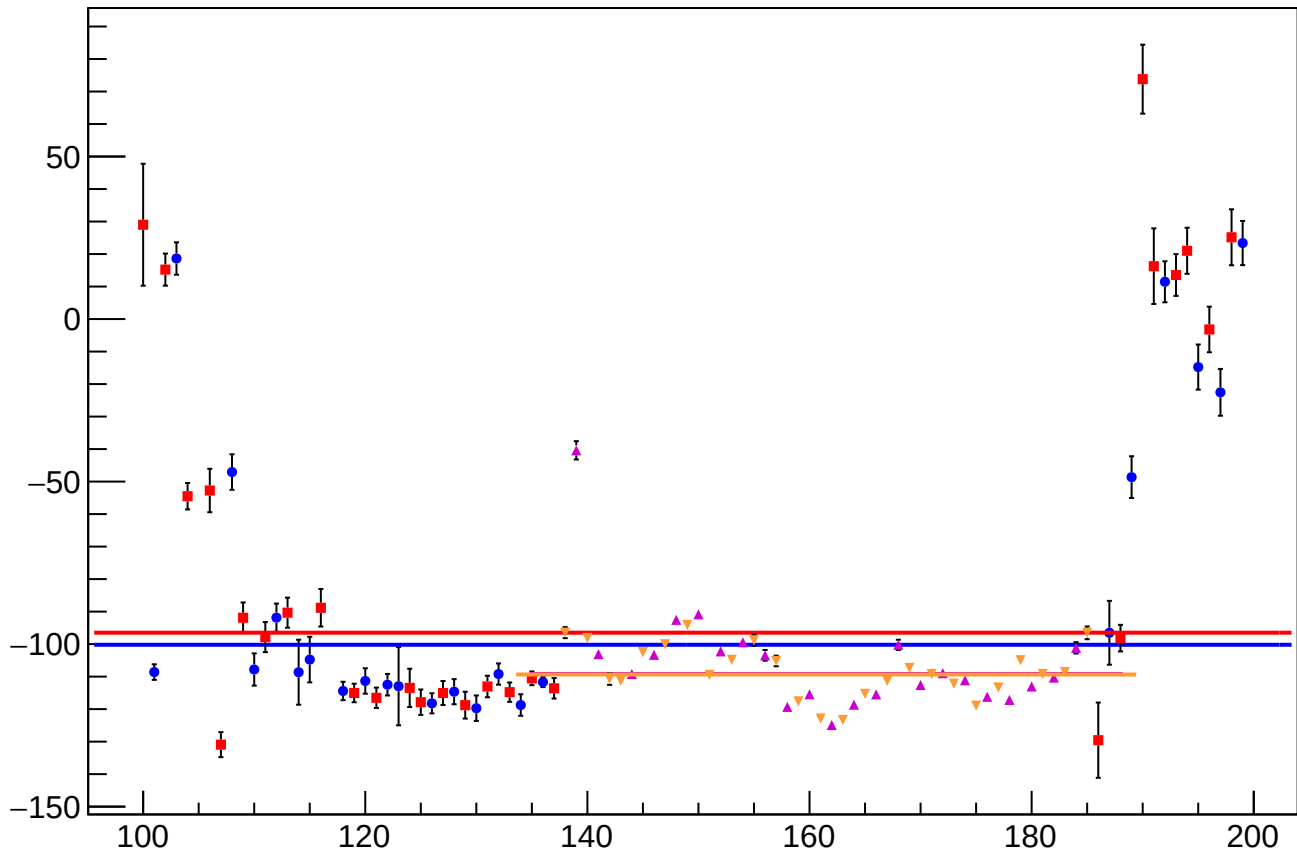
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.717 ± 0.290 χ^2/NDF : 1666.3/47

All: -93.588 ± 0.206 χ^2/NDF : 3853.4/97

- sign -94.477 ± 0.292 χ^2/NDF : 2168.8/49

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -100.204 ± 0.787 $\chi^2/\text{NDF}: 1870.6/22$

Left Out: -109.351 ± 0.271 $\chi^2/\text{NDF}: 826.8/24$

Right Out: -96.480 ± 0.815 $\chi^2/\text{NDF}: 2407.8/26$

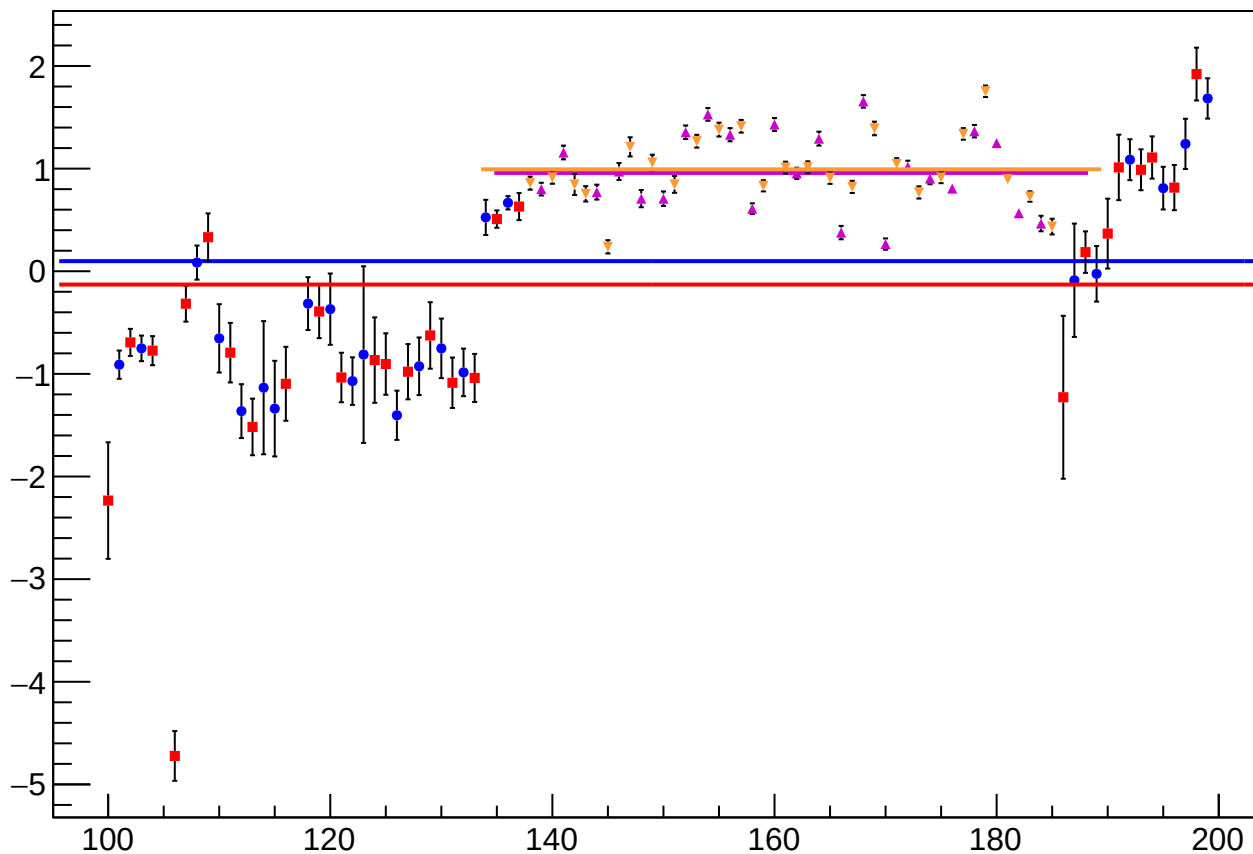
Left In: -109.184 ± 0.280 $\chi^2/\text{NDF}: 1501.1/22$

+ sign -108.380 ± 0.256 $\chi^2/\text{NDF}: 2818.2/47$

All: -108.120 ± 0.184 $\chi^2/\text{NDF}: 6946.6/97$

- sign -107.844 ± 0.265 $\chi^2/\text{NDF}: 4126.2/49$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.098 ± 0.039 χ^2/NDF : 469.6/22

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.130 ± 0.039 χ^2/NDF : 781.3/26

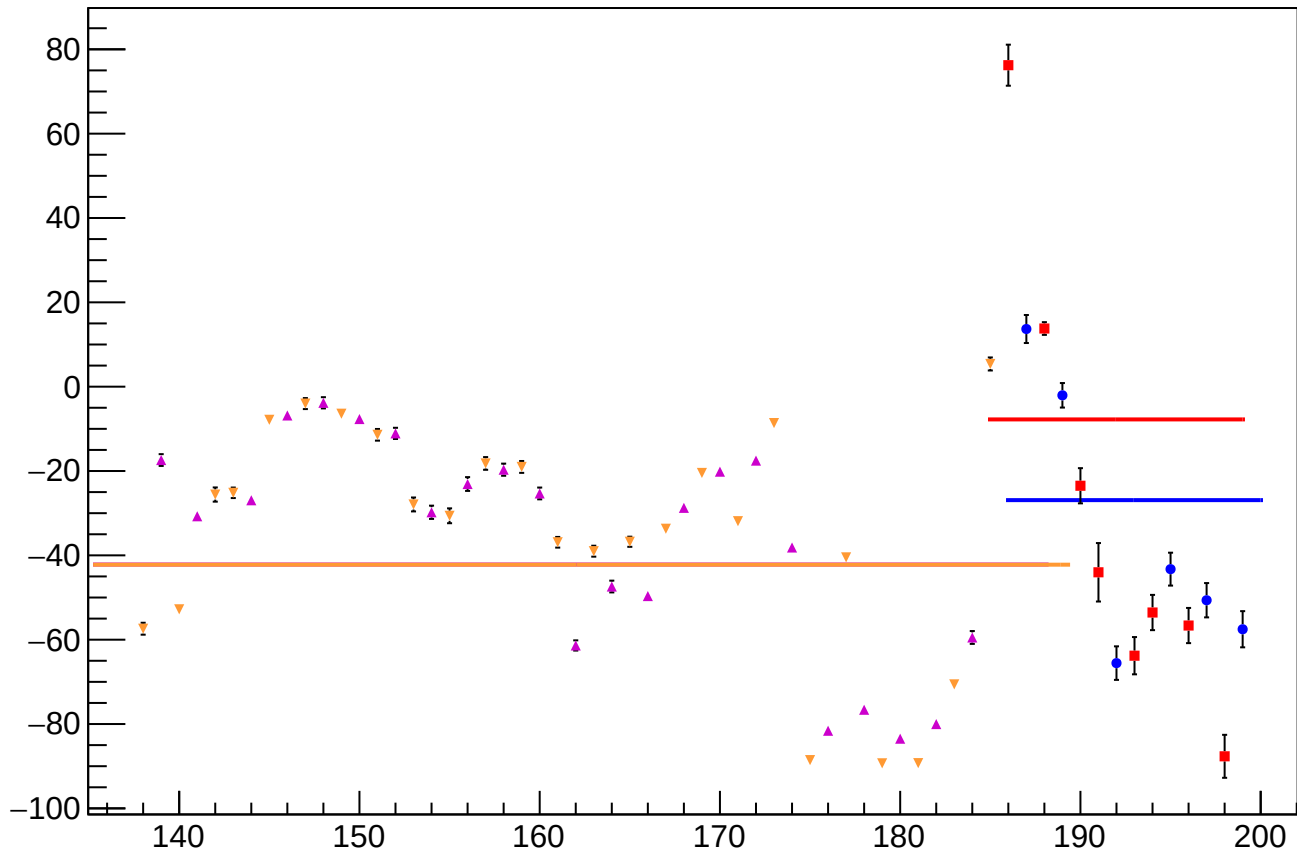
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.910 ± 0.012 χ^2/NDF : 1592.1/47

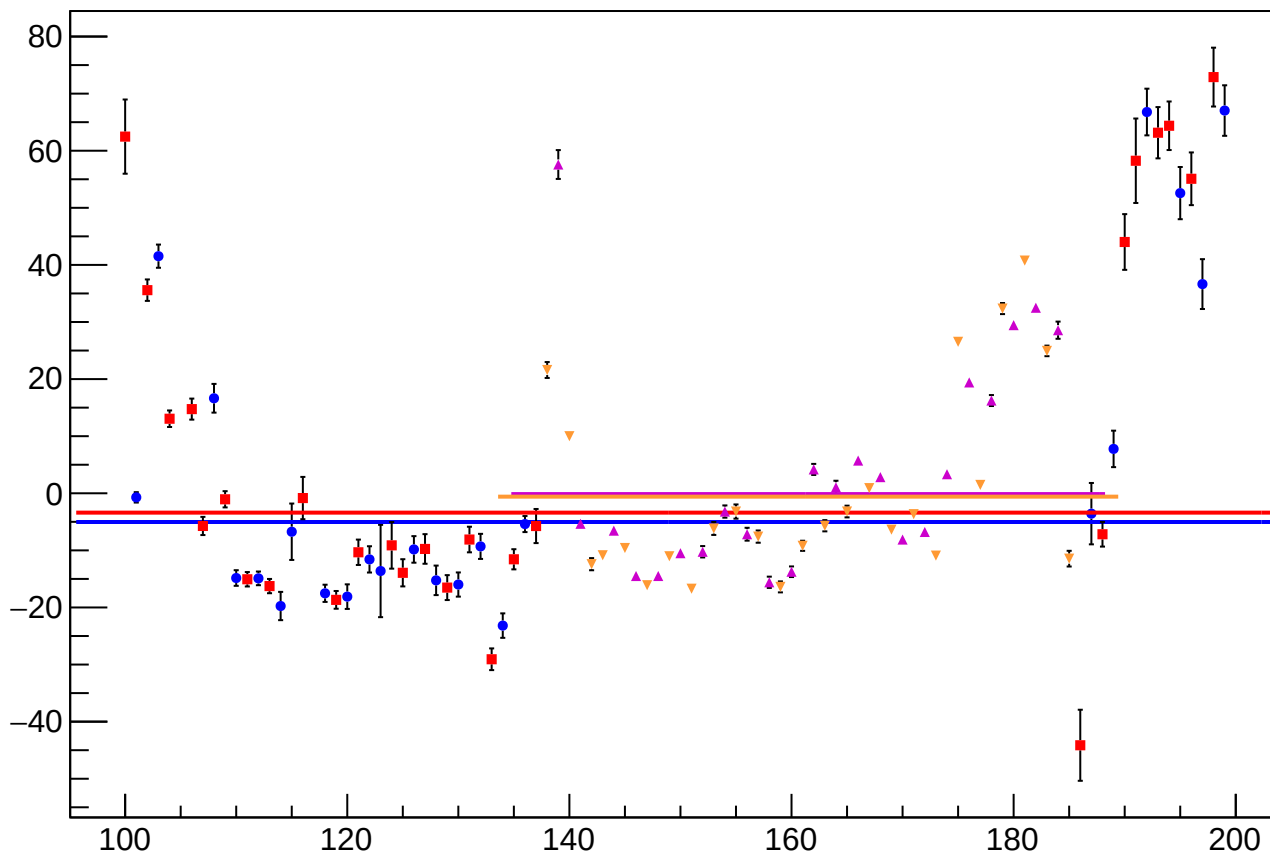
All: 0.883 ± 0.008 χ^2/NDF : 3968.6/97

- sign 0.856 ± 0.012 χ^2/NDF : 2366.5/49

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -5.030 ± 0.418 $\chi^2/\text{NDF}: 1853.0/22$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: -3.389 ± 0.411 $\chi^2/\text{NDF}: 2397.0/26$

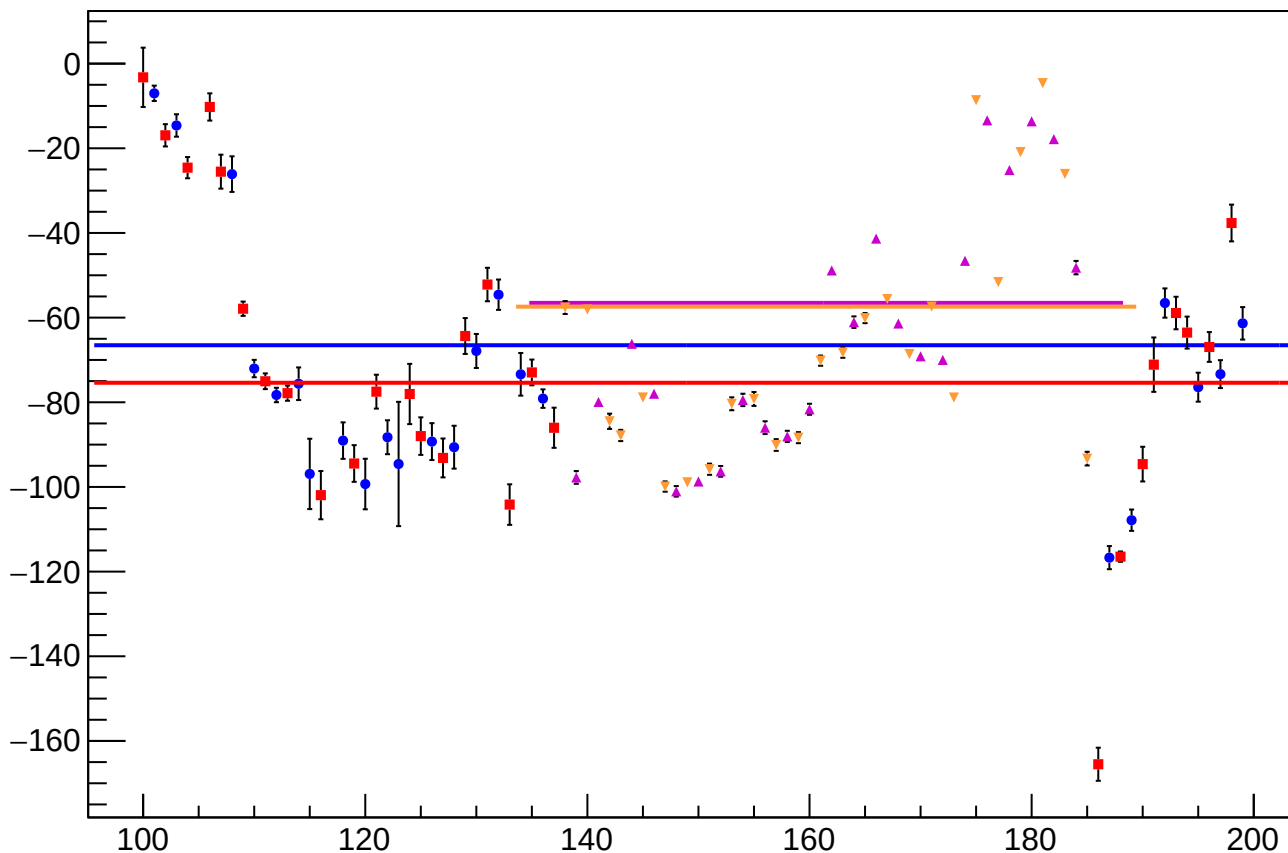
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -1.248 ± 0.161 $\chi^2/\text{NDF}: 10700.2/47$

All: -0.960 ± 0.115 $\chi^2/\text{NDF}: 20018.7/97$

- sign -0.660 ± 0.164 $\chi^2/\text{NDF}: 9311.9/49$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.524 ± 0.644 χ^2/NDF : 2438.9/22

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -75.387 ± 0.567 χ^2/NDF : 3631.9/26

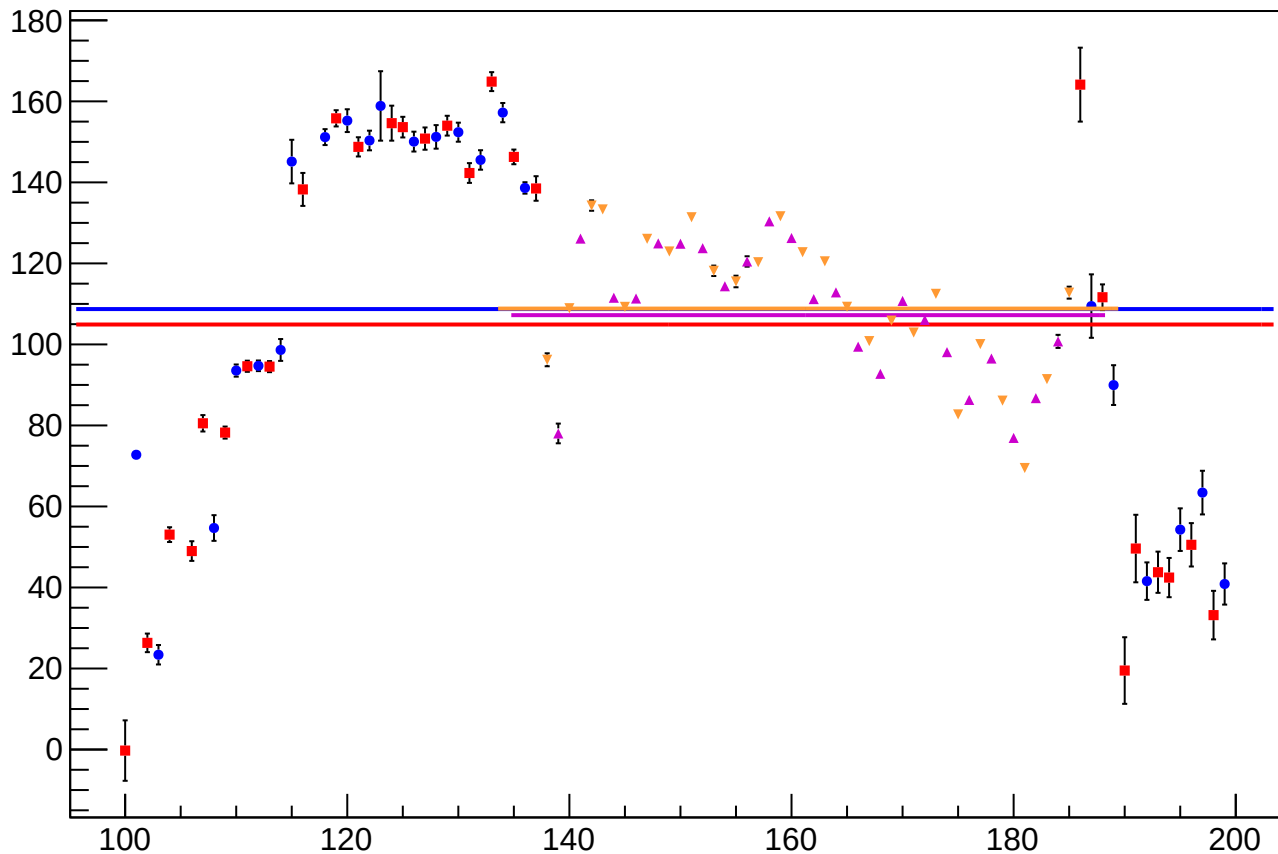
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.391 ± 0.211 χ^2/NDF : 21221.7/47

All: -58.757 ± 0.149 χ^2/NDF : 42165.6/97

- sign -59.124 ± 0.211 χ^2/NDF : 20937.8/49

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 108.725 $\pm$ 0.478 χ^2 /NDF: 6469.2/22

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 104.914 $\pm$ 0.472 χ^2 /NDF: 7820.6/26

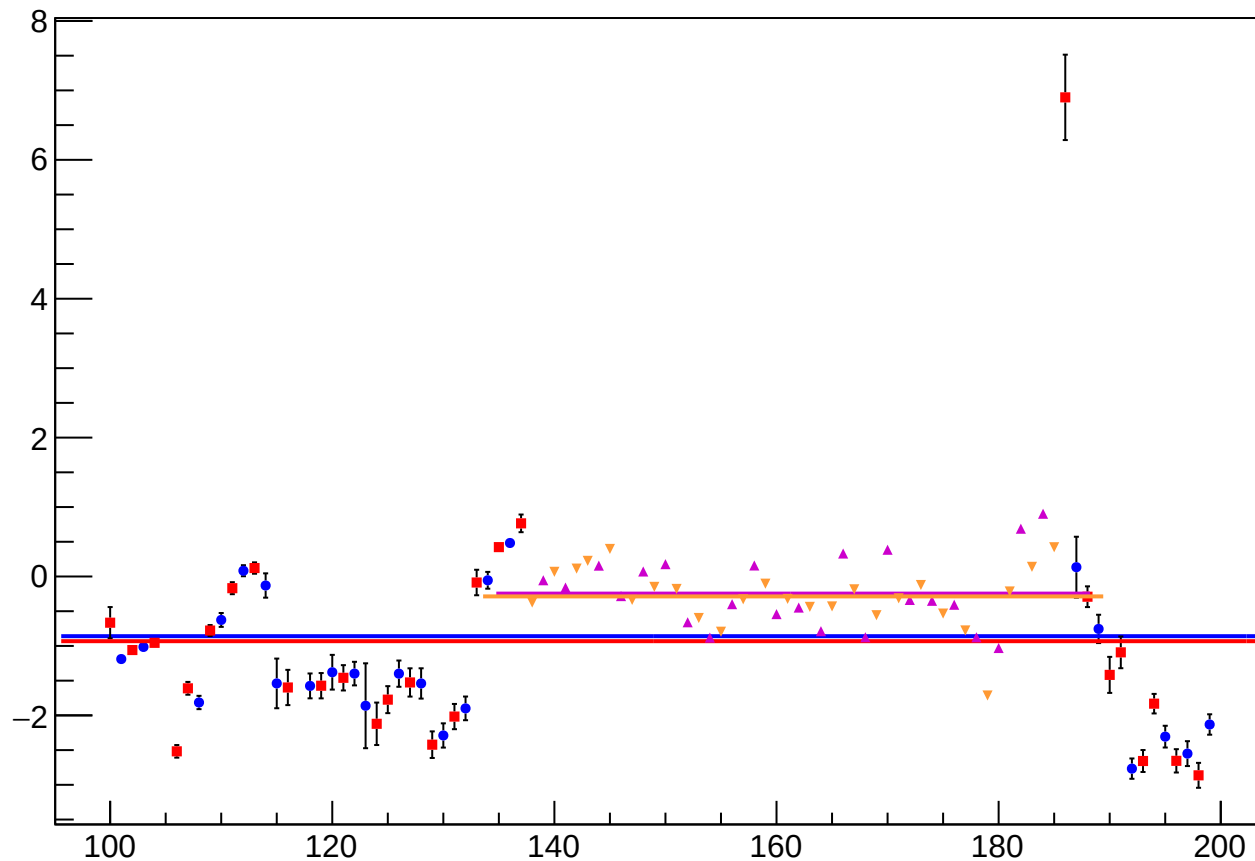
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.828 $\pm$ 0.182 χ^2 /NDF: 13869.5/47

All: 107.867 $\pm$ 0.130 χ^2 /NDF: 27332.3/97

- sign 106.867 $\pm$ 0.186 χ^2 /NDF: 13406.1/49

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.860 ± 0.024 χ^2/NDF : 1455.7/22

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.932 ± 0.023 χ^2/NDF : 1891.3/26

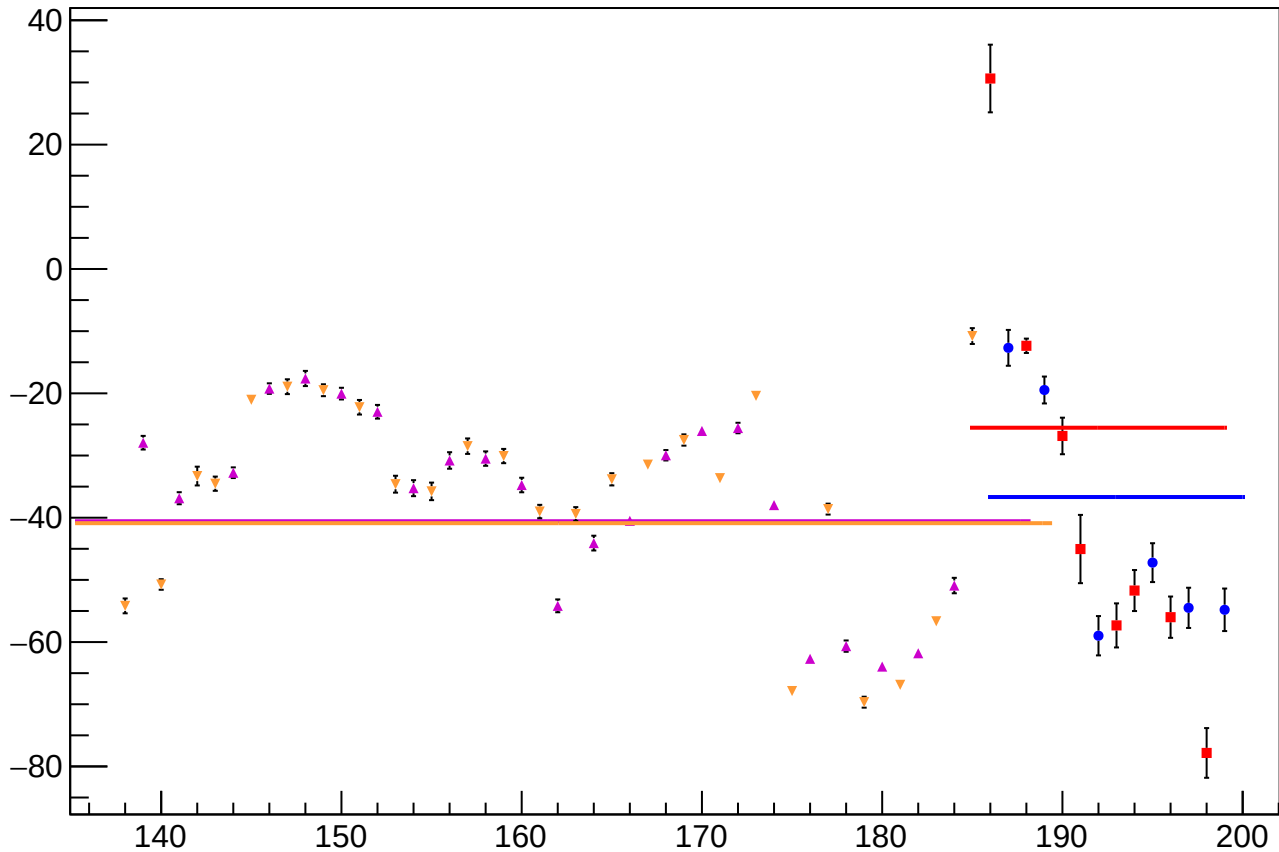
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.357 ± 0.009 χ^2/NDF : 3995.6/47

All: -0.350 ± 0.006 χ^2/NDF : 9454.8/97

- sign -0.343 ± 0.009 χ^2/NDF : 5457.9/49

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -36.673 ± 1.180 χ^2/NDF : 252.3/5

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -25.527 ± 0.892 χ^2/NDF : 648.3/7

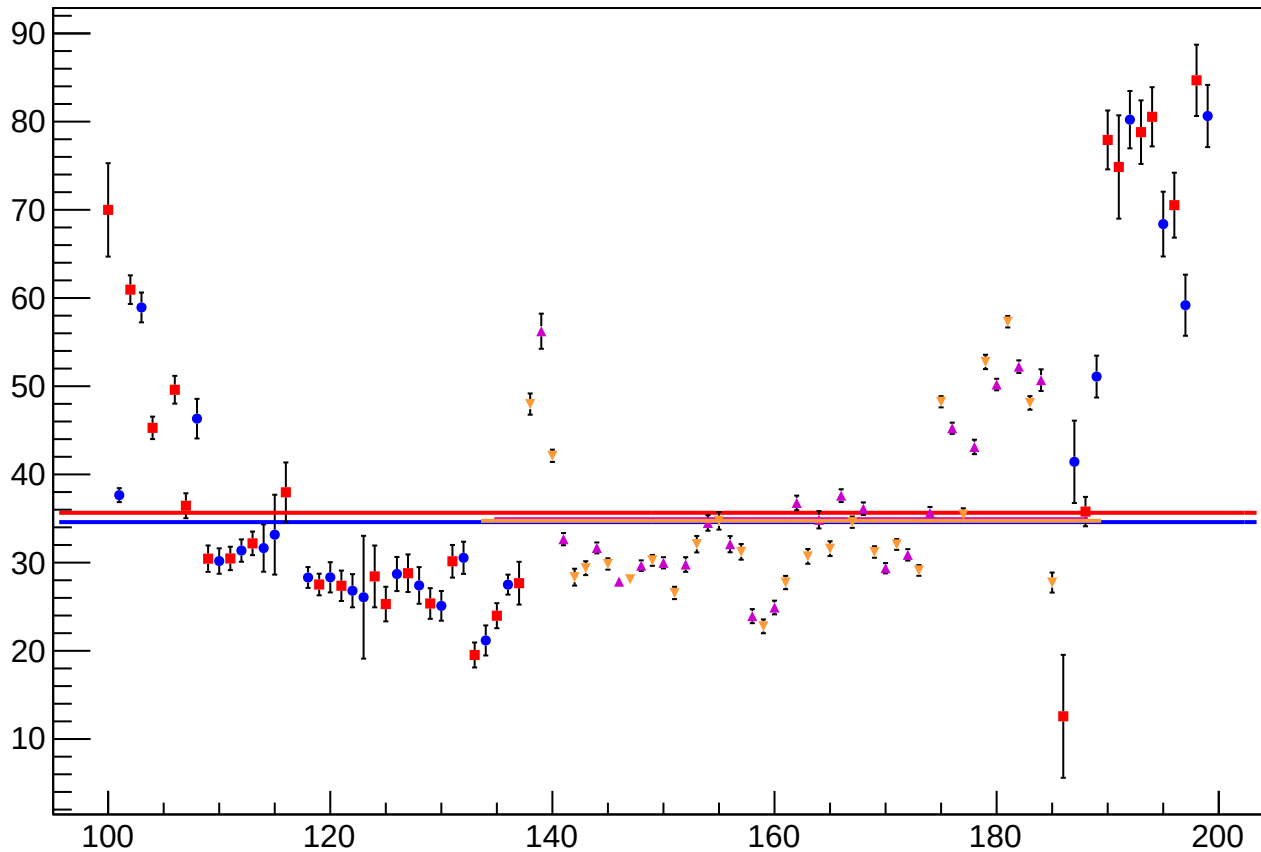
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.778 ± 0.184 χ^2/NDF : 9387.9/30

All: -40.351 ± 0.131 χ^2/NDF : 17273.9/61

- sign -39.915 ± 0.186 χ^2/NDF : 7875.1/30

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 34.593 ± 0.362 χ^2/NDF : 1039.0/22

Left Out: 34.741 ± 0.147 χ^2/NDF : 3693.2/24

Right Out: 35.650 ± 0.359 χ^2/NDF : 1592.5/26

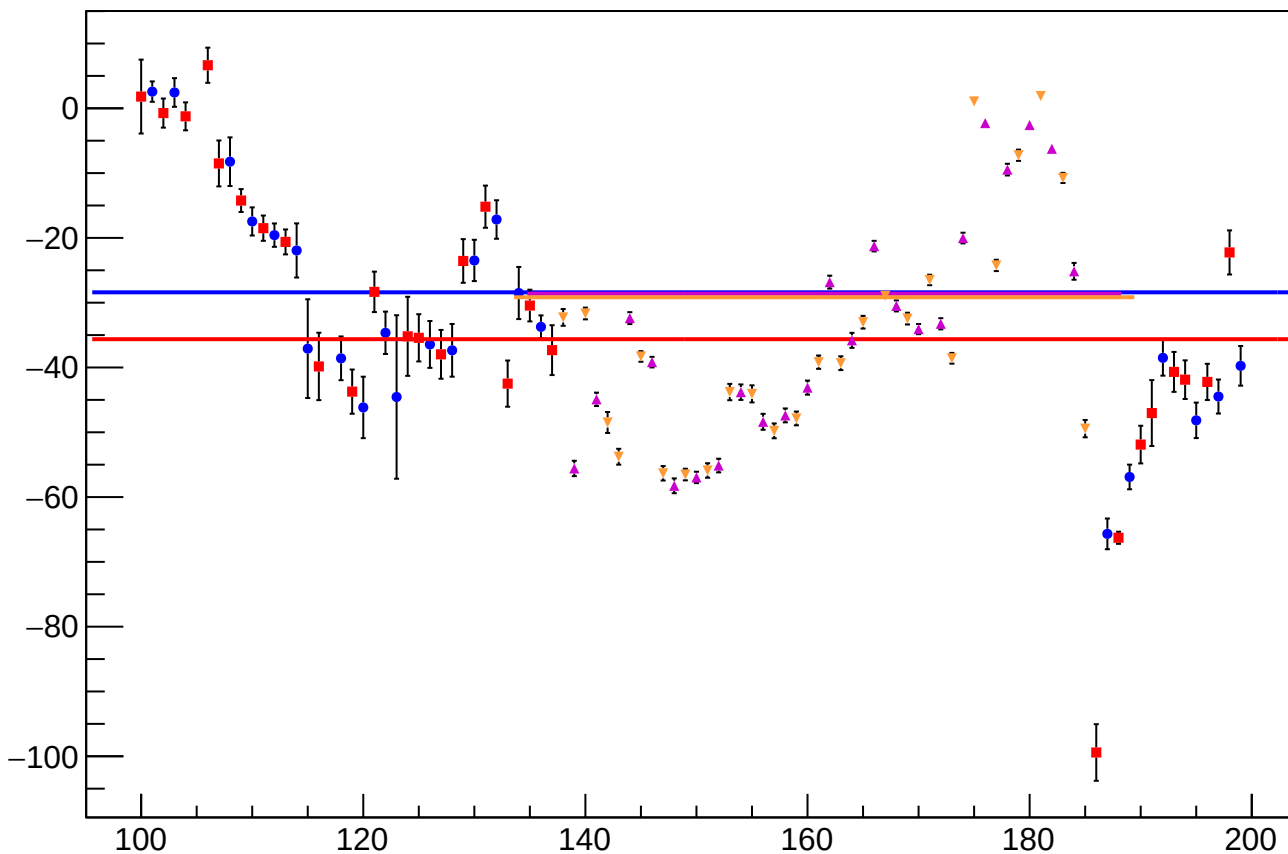
Left In: 34.922 ± 0.152 χ^2/NDF : 2672.9/22

+ sign 34.720 ± 0.137 χ^2/NDF : 4732.3/47

All: 34.872 ± 0.098 χ^2/NDF : 9003.7/97

- sign 35.032 ± 0.140 χ^2/NDF : 4268.9/49

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -28.399 ± 0.558 $\chi^2/\text{NDF}: 1316.8/22$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -35.632 ± 0.488 $\chi^2/\text{NDF}: 2551.7/26$

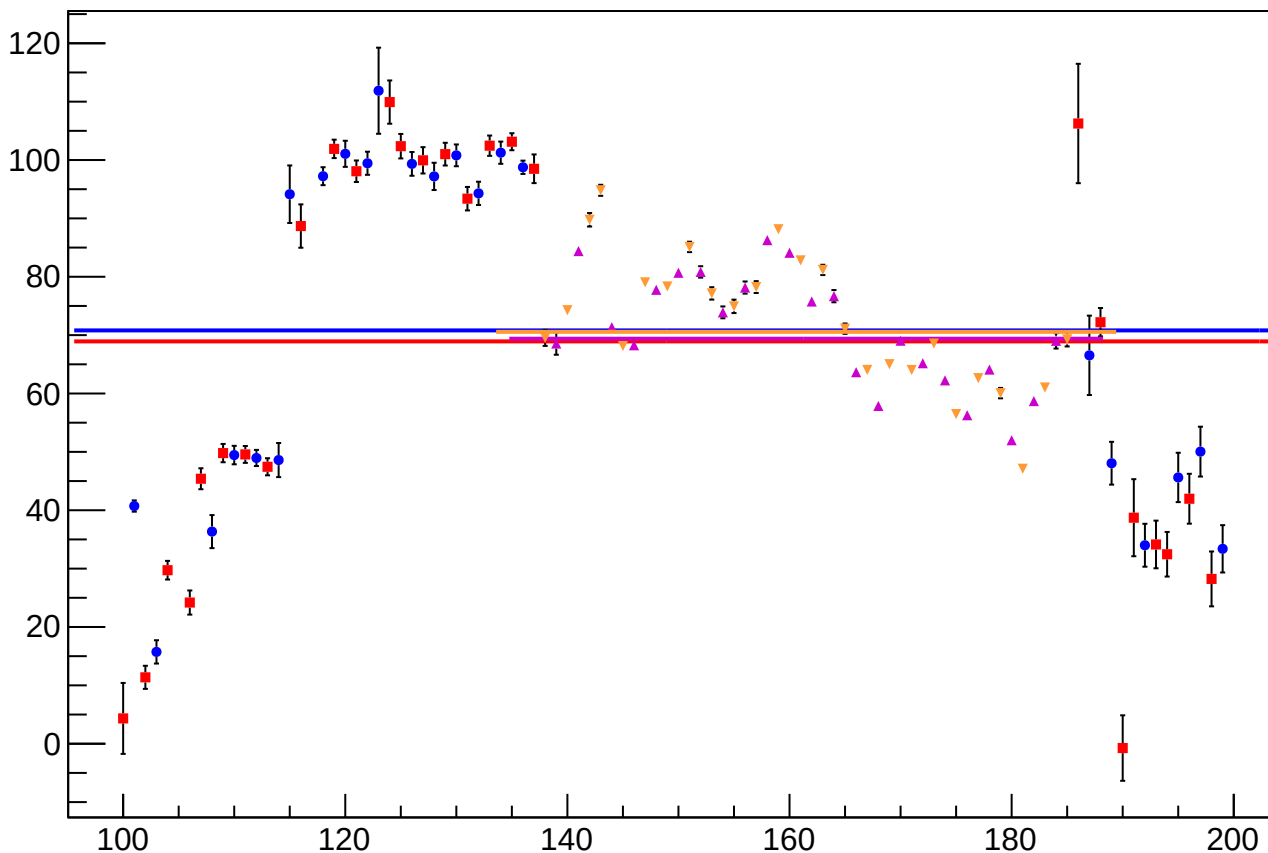
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -29.086 ± 0.177 $\chi^2/\text{NDF}: 11444.6/47$

All: -29.312 ± 0.125 $\chi^2/\text{NDF}: 23219.7/97$

- sign -29.537 ± 0.177 $\chi^2/\text{NDF}: 11771.9/49$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 70.810 $\pm$ 0.416 χ^2/NDF : 4971.7/22

Left Out: 70.563 $\pm$ 0.166 χ^2/NDF : 4589.1/24

Right Out: 68.927 $\pm$ 0.416 χ^2/NDF : 5981.9/26

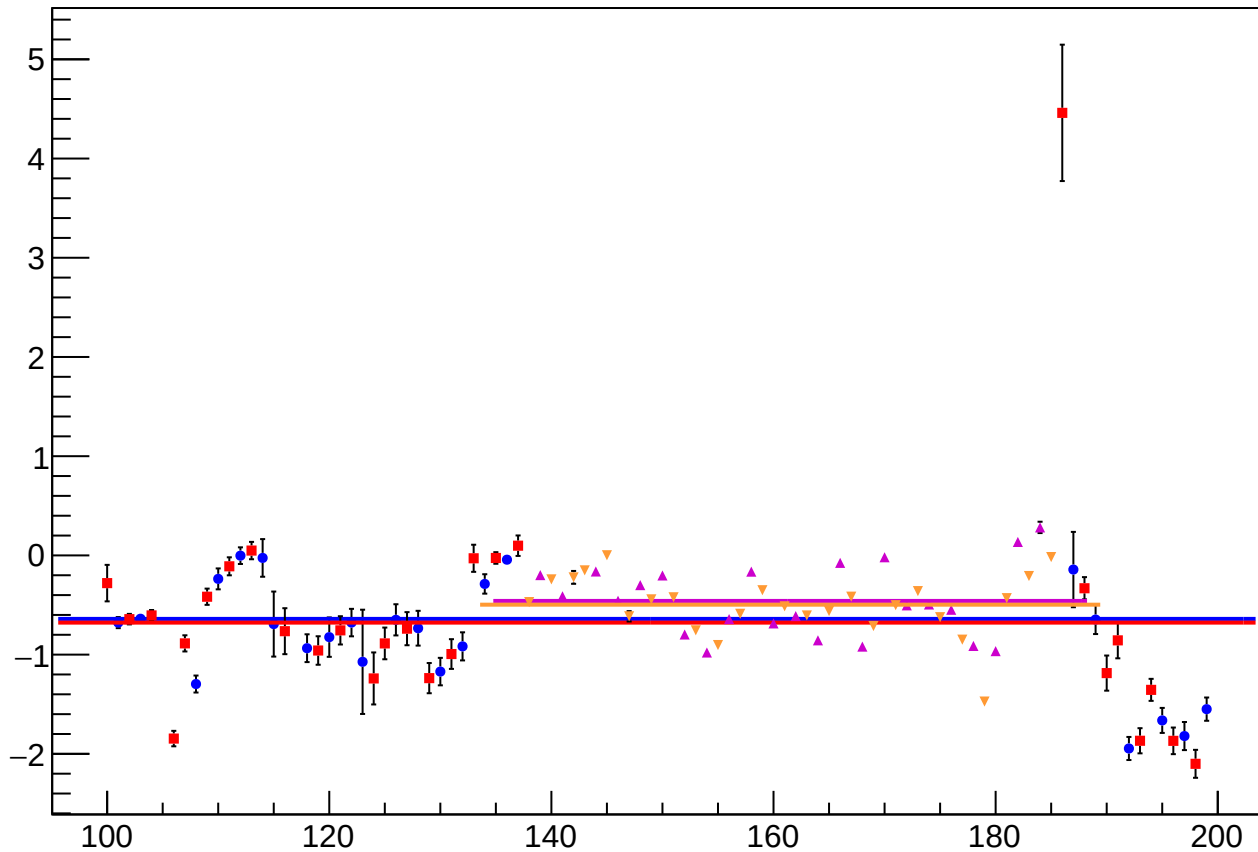
Left In: 69.387 $\pm$ 0.170 χ^2/NDF : 3321.8/22

+ sign 70.597 $\pm$ 0.154 χ^2/NDF : 9561.2/47

All: 69.972 $\pm$ 0.110 χ^2/NDF : 18899.3/97

- sign 69.321 $\pm$ 0.158 χ^2/NDF : 9304.7/49

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.640 ± 0.021 χ^2/NDF : 665.6/22

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.677 ± 0.020 χ^2/NDF : 970.3/26

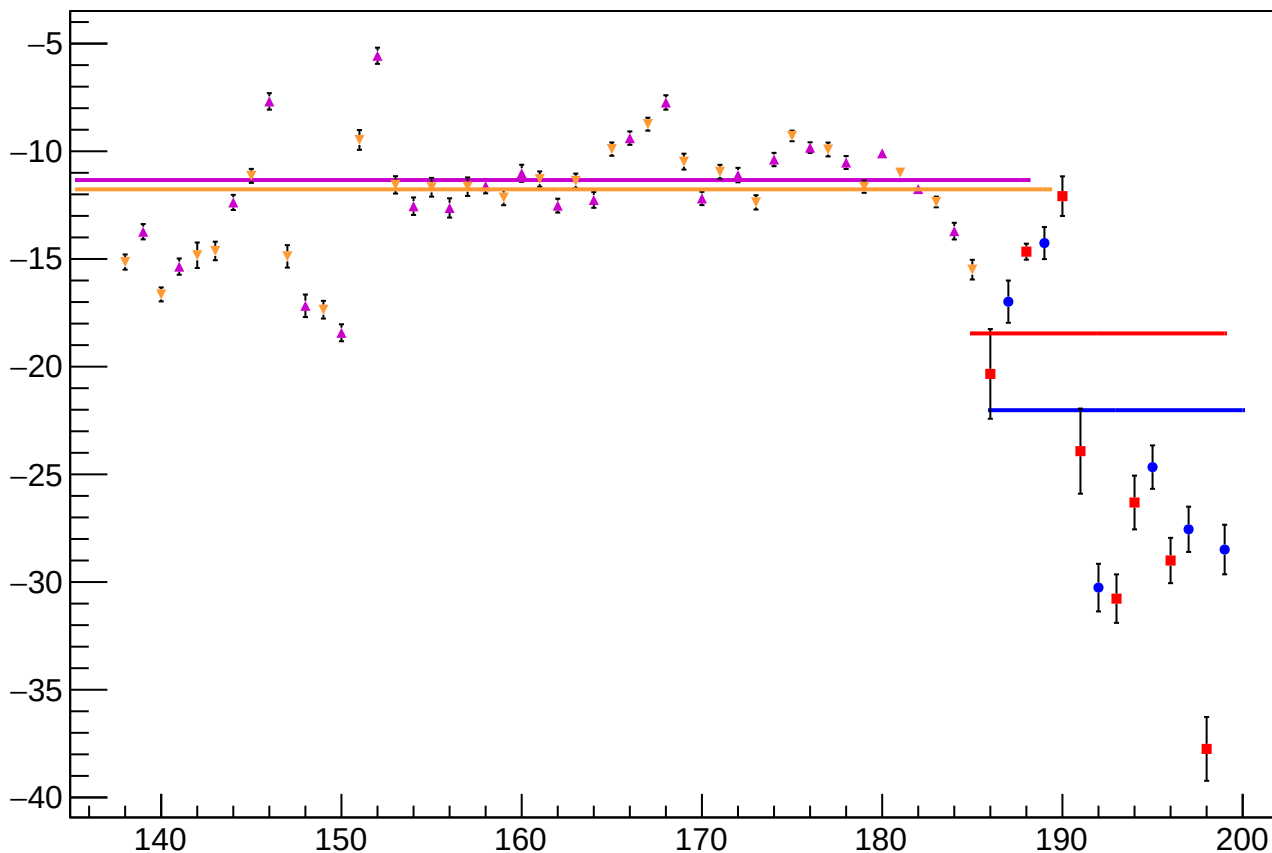
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.514 ± 0.007 χ^2/NDF : 2156.8/47

All: -0.501 ± 0.005 χ^2/NDF : 5198.2/97

- sign -0.488 ± 0.007 χ^2/NDF : 3035.1/49

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -22.021 ± 0.398 χ^2/NDF : 256.4/5

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -18.457 ± 0.293 χ^2/NDF : 590.0/7

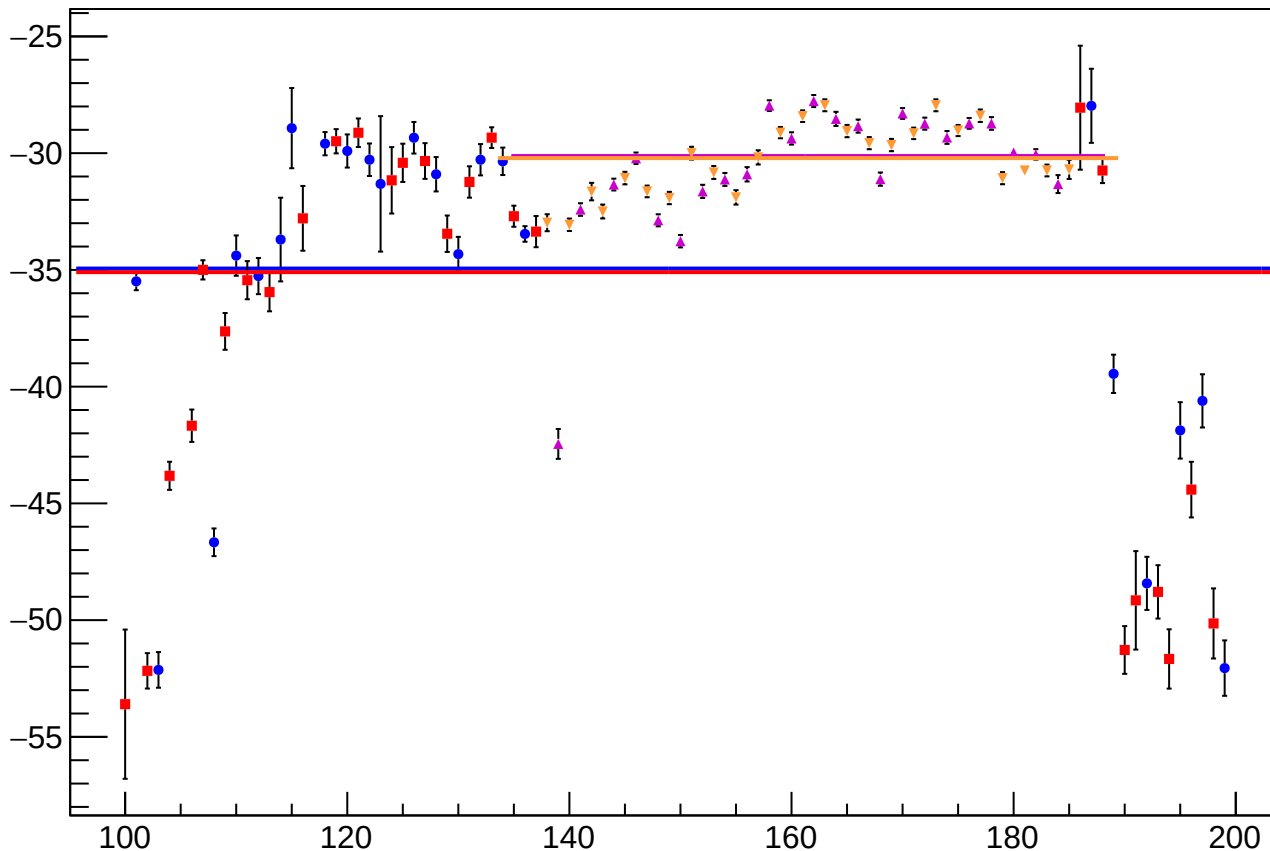
Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -12.046 ± 0.066 χ^2/NDF : 1921.7/30

All: -11.875 ± 0.047 χ^2/NDF : 4356.4/61

- sign -11.701 ± 0.066 χ^2/NDF : 2421.0/30

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.942 ± 0.144 $\chi^2/\text{NDF}: 1809.2/22$

Left Out: -30.212 ± 0.054 $\chi^2/\text{NDF}: 734.0/24$

Right Out: -35.096 ± 0.140 $\chi^2/\text{NDF}: 2229.4/26$

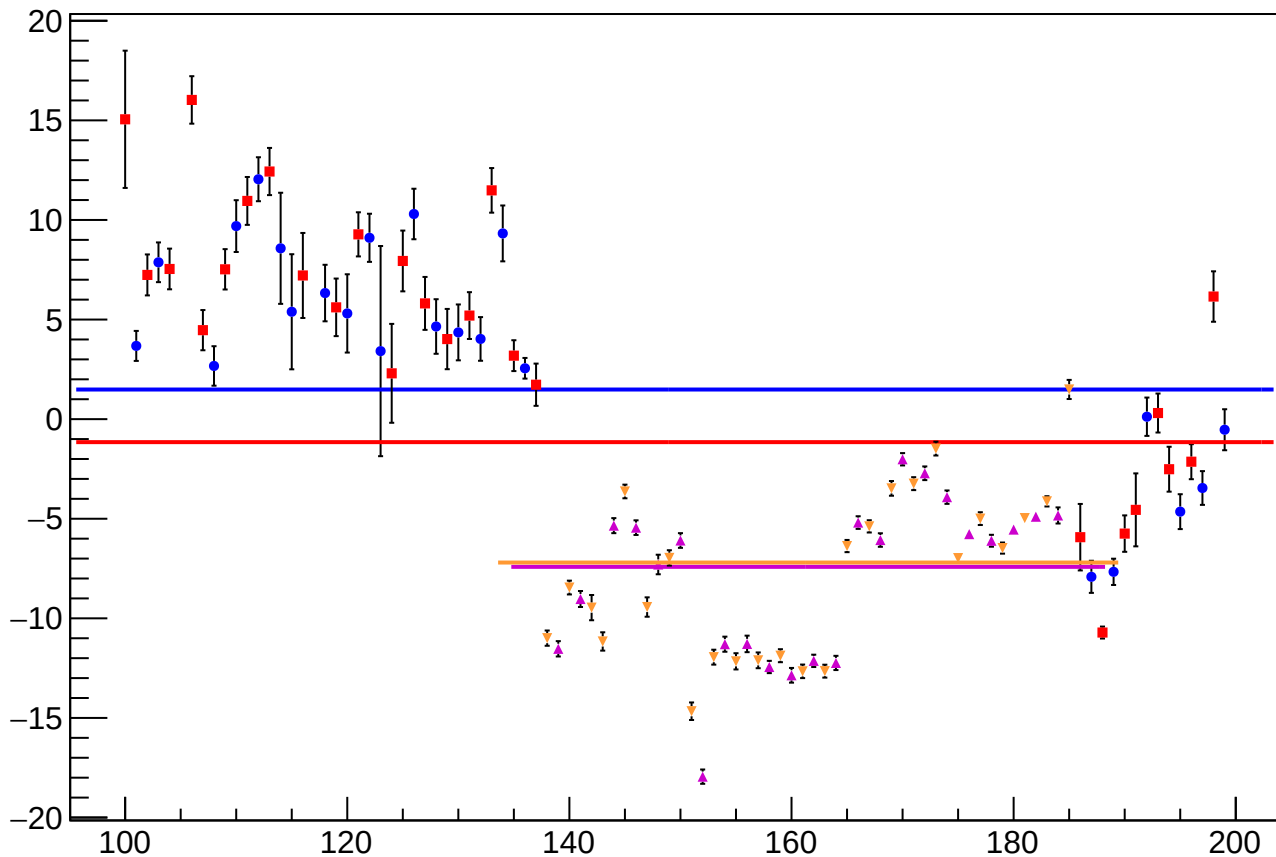
Left In: -30.124 ± 0.056 $\chi^2/\text{NDF}: 1226.2/22$

+ sign -30.791 ± 0.050 $\chi^2/\text{NDF}: 3488.2/47$

All: -30.796 ± 0.036 $\chi^2/\text{NDF}: 8036.0/97$

- sign -30.801 ± 0.052 $\chi^2/\text{NDF}: 4547.8/49$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 1.487 ± 0.212 χ^2/NDF : 761.9/22

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -1.154 ± 0.183 χ^2/NDF : 2193.2/26

Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.414 ± 0.064 χ^2/NDF : 5323.1/47

All: -6.536 ± 0.045 χ^2/NDF : 11678.0/97

- sign -6.656 ± 0.064 χ^2/NDF : 6347.7/49

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.640 ± 0.164 χ^2/NDF : 2485.6/22

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -3.877 ± 0.163 χ^2/NDF : 2770.3/26

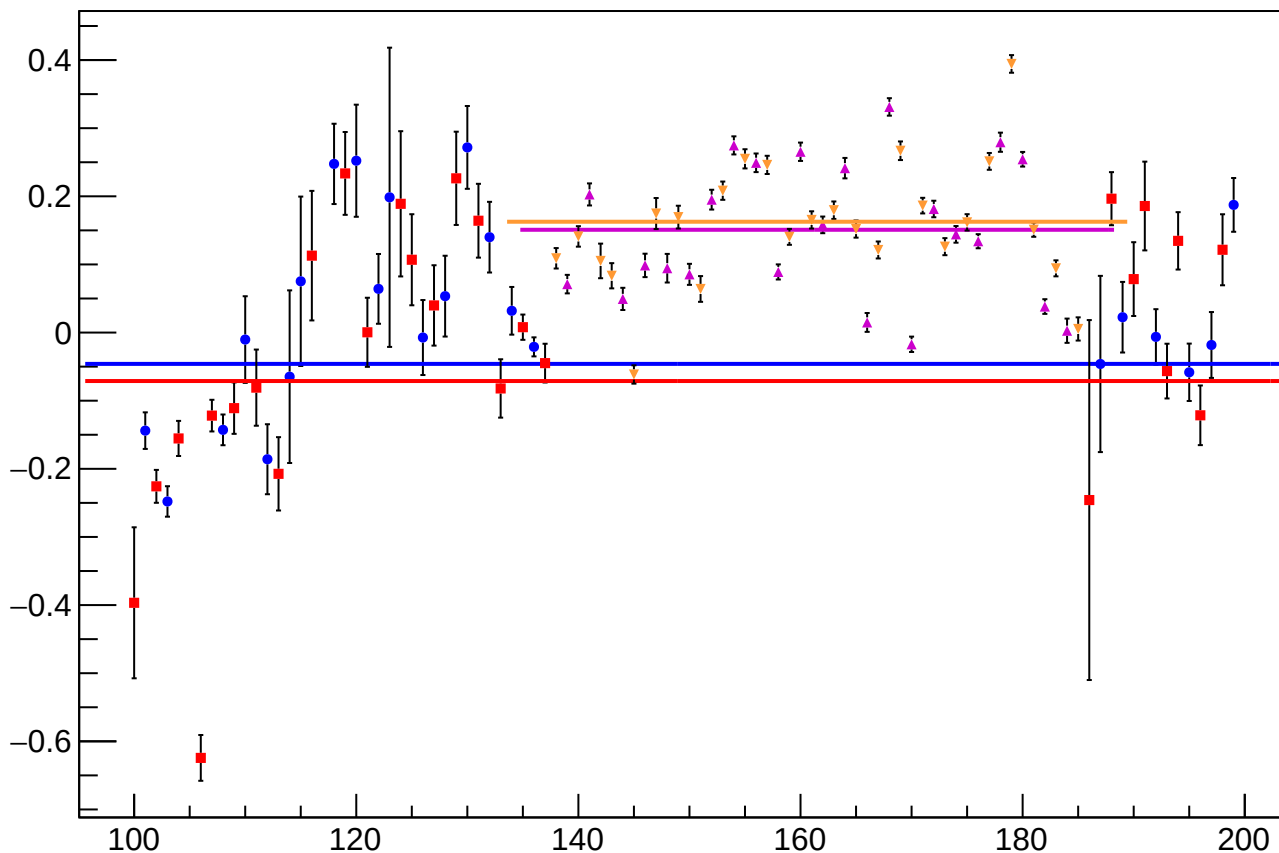
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.457 ± 0.056 χ^2/NDF : 3977.7/47

All: -8.368 ± 0.040 χ^2/NDF : 9113.6/97

- sign -8.275 ± 0.058 χ^2/NDF : 5130.8/49

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.046 ± 0.008 χ^2/NDF : 255.6/22

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.071 ± 0.008 χ^2/NDF : 557.6/26

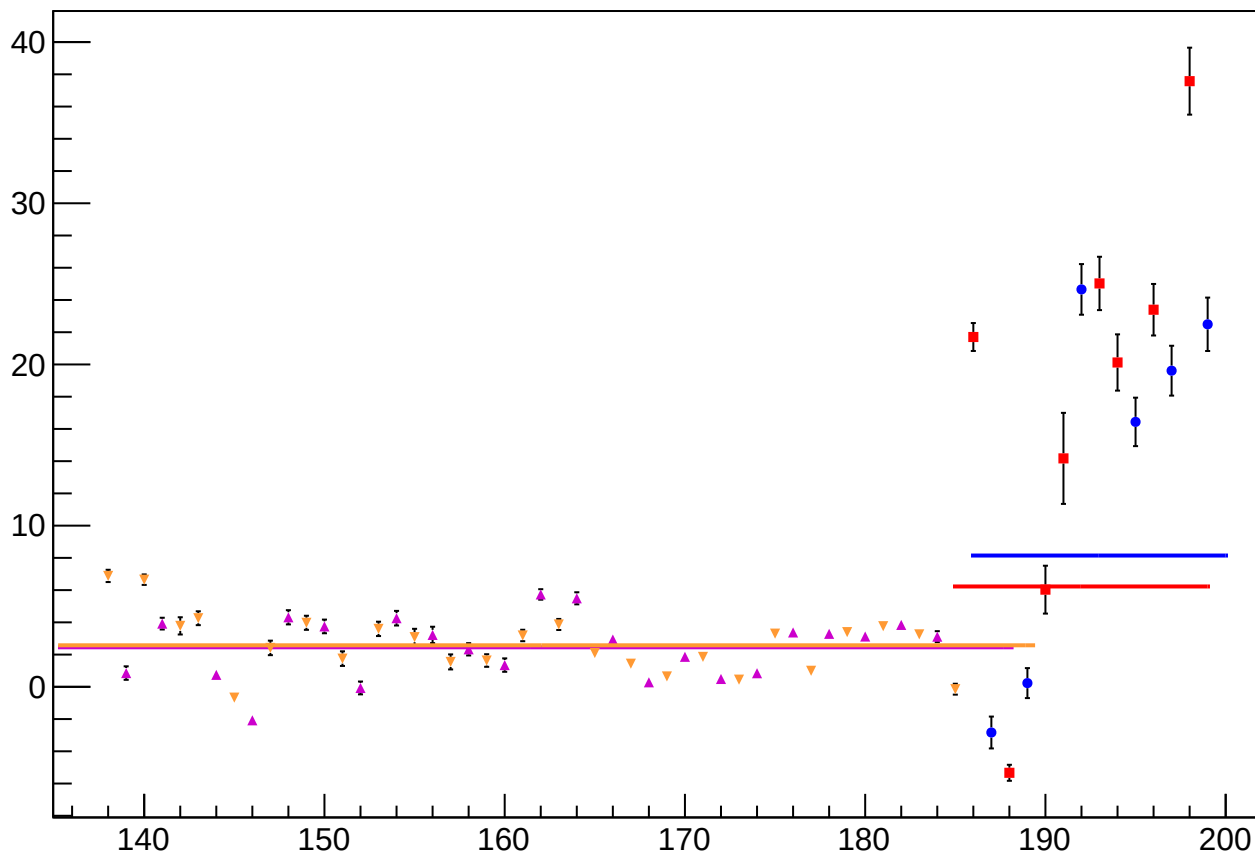
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.140 ± 0.003 χ^2/NDF : 1924.5/47

All: 0.132 ± 0.002 χ^2/NDF : 4539.6/97

- sign 0.125 ± 0.003 χ^2/NDF : 2599.1/49

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 8.145 ± 0.512 $\chi^2/\text{NDF}: 466.7/5$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 6.226 ± 0.370 $\chi^2/\text{NDF}: 1405.0/7$

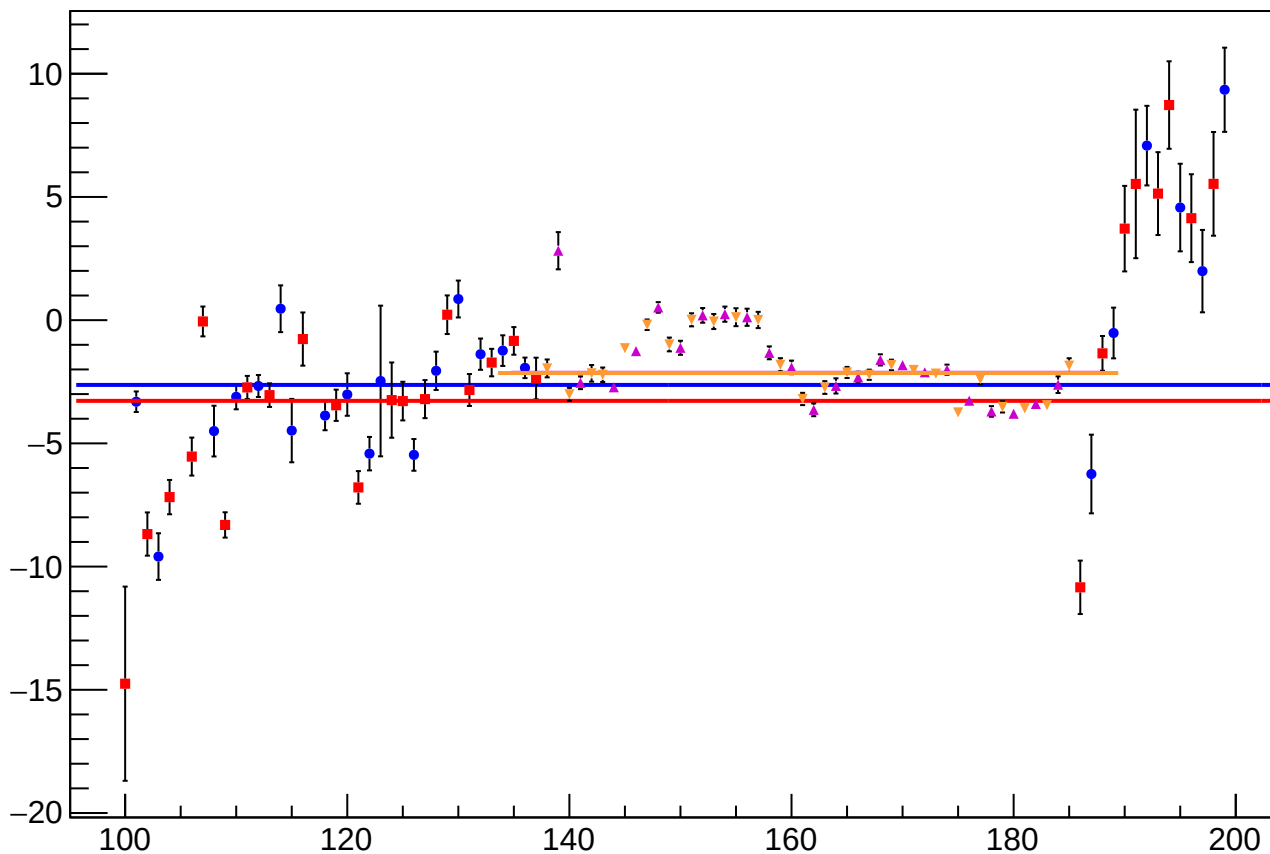
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.648 ± 0.058 $\chi^2/\text{NDF}: 1450.8/30$

All: 2.598 ± 0.041 $\chi^2/\text{NDF}: 3829.7/61$

- sign 2.547 ± 0.059 $\chi^2/\text{NDF}: 2377.4/30$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.628 ± 0.150 $\chi^2/\text{NDF}: 267.3/22$

Left Out: -2.146 ± 0.048 $\chi^2/\text{NDF}: 573.4/24$

Right Out: -3.274 ± 0.147 $\chi^2/\text{NDF}: 480.7/26$

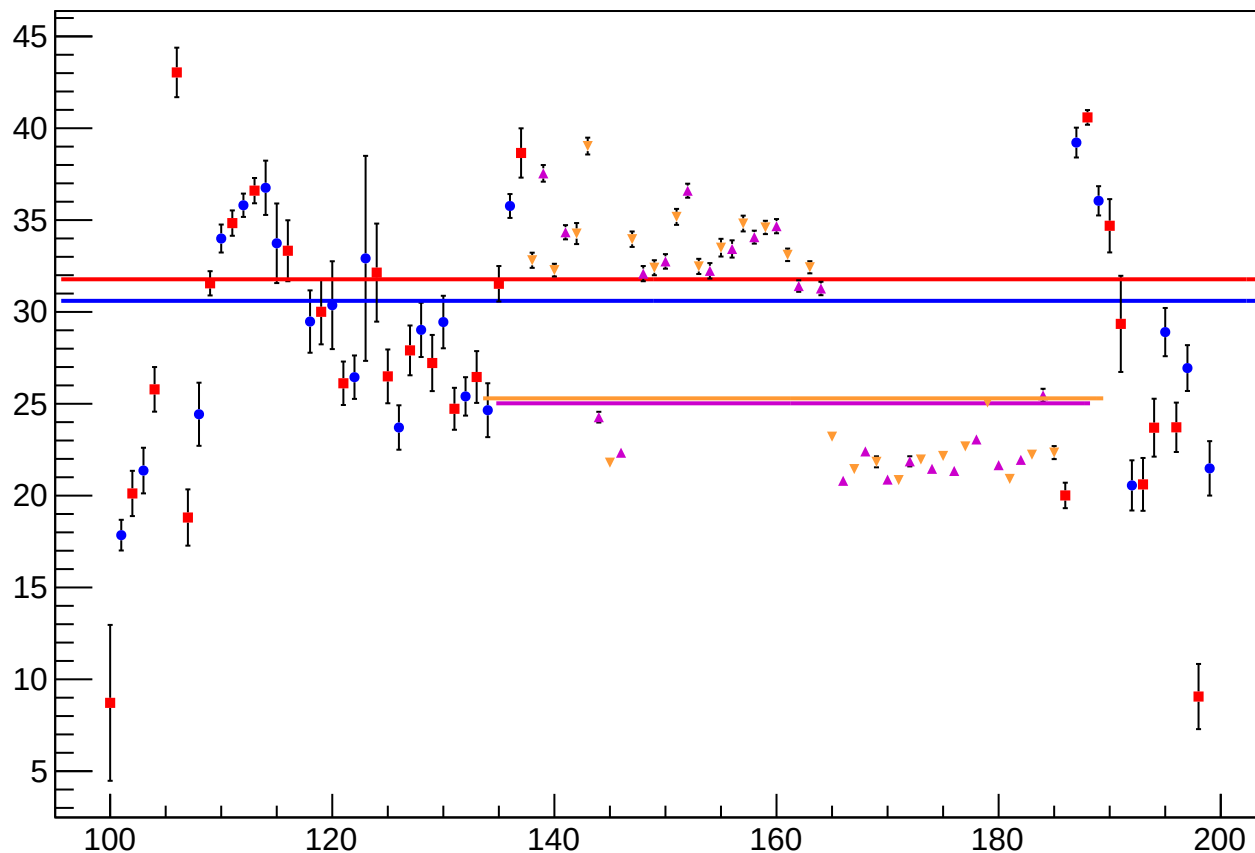
Left In: -2.136 ± 0.048 $\chi^2/\text{NDF}: 691.2/22$

+ sign -2.190 ± 0.045 $\chi^2/\text{NDF}: 850.0/47$

All: -2.218 ± 0.032 $\chi^2/\text{NDF}: 2076.7/97$

- sign -2.248 ± 0.046 $\chi^2/\text{NDF}: 1225.9/49$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 30.604 $\pm$ 0.228 χ^2 /NDF: 821.1/22

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 31.777 $\pm$ 0.198 χ^2 /NDF: 1551.8/26

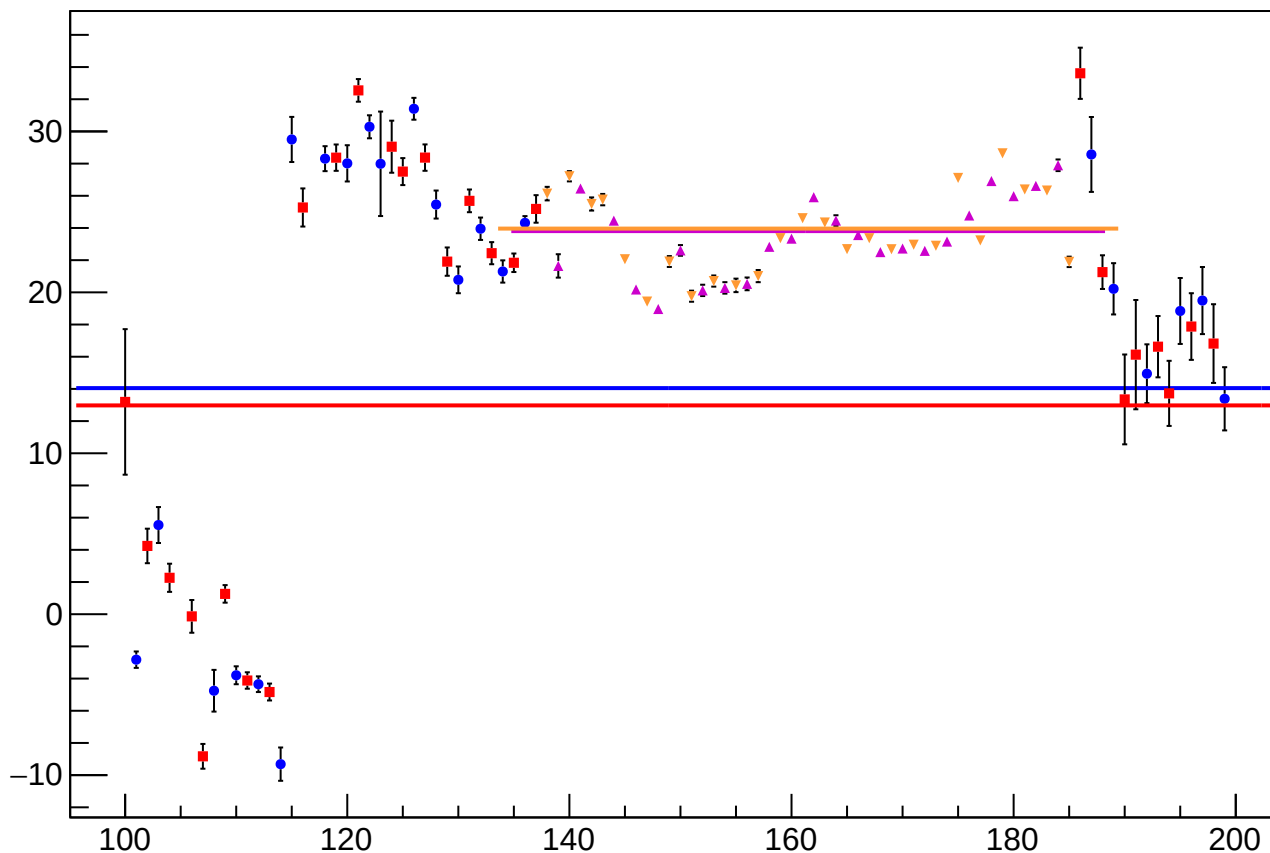
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.627 $\pm$ 0.057 χ^2 /NDF: 9601.9/47

All: 25.606 $\pm$ 0.040 χ^2 /NDF: 19828.5/97

- sign 25.585 $\pm$ 0.057 χ^2 /NDF: 10226.3/49

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.049 ± 0.169 χ^2/NDF : 7343.0/22

Left Out: 23.962 ± 0.053 χ^2/NDF : 1922.4/24

Right Out: 12.975 ± 0.168 χ^2/NDF : 7207.4/26

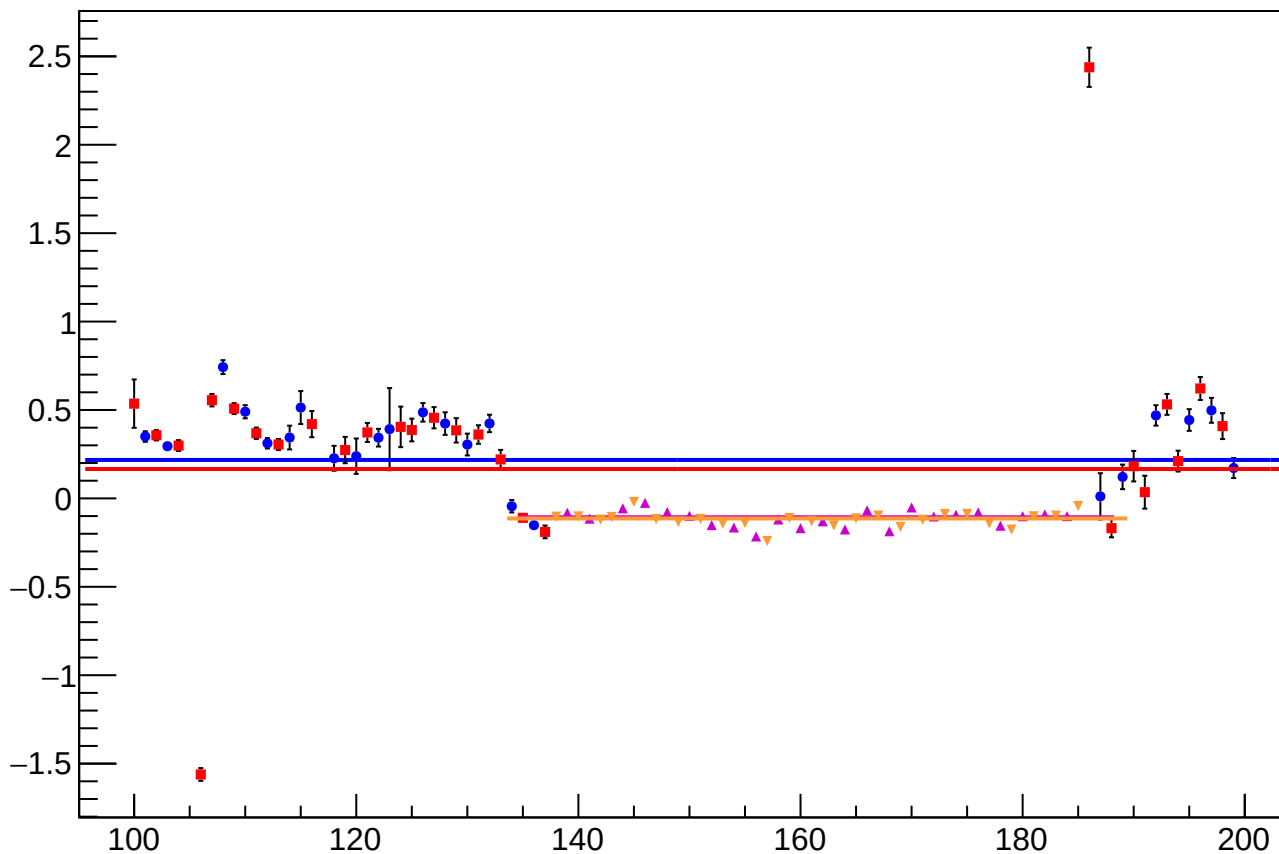
Left In: 23.805 ± 0.054 χ^2/NDF : 1761.3/22

+ sign 23.070 ± 0.051 χ^2/NDF : 12395.8/47

All: 22.931 ± 0.036 χ^2/NDF : 25150.4/97

- sign 22.788 ± 0.051 χ^2/NDF : 12739.4/49

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.217 ± 0.009 χ^2/NDF : 901.8/22

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.166 ± 0.009 χ^2/NDF : 3584.3/26

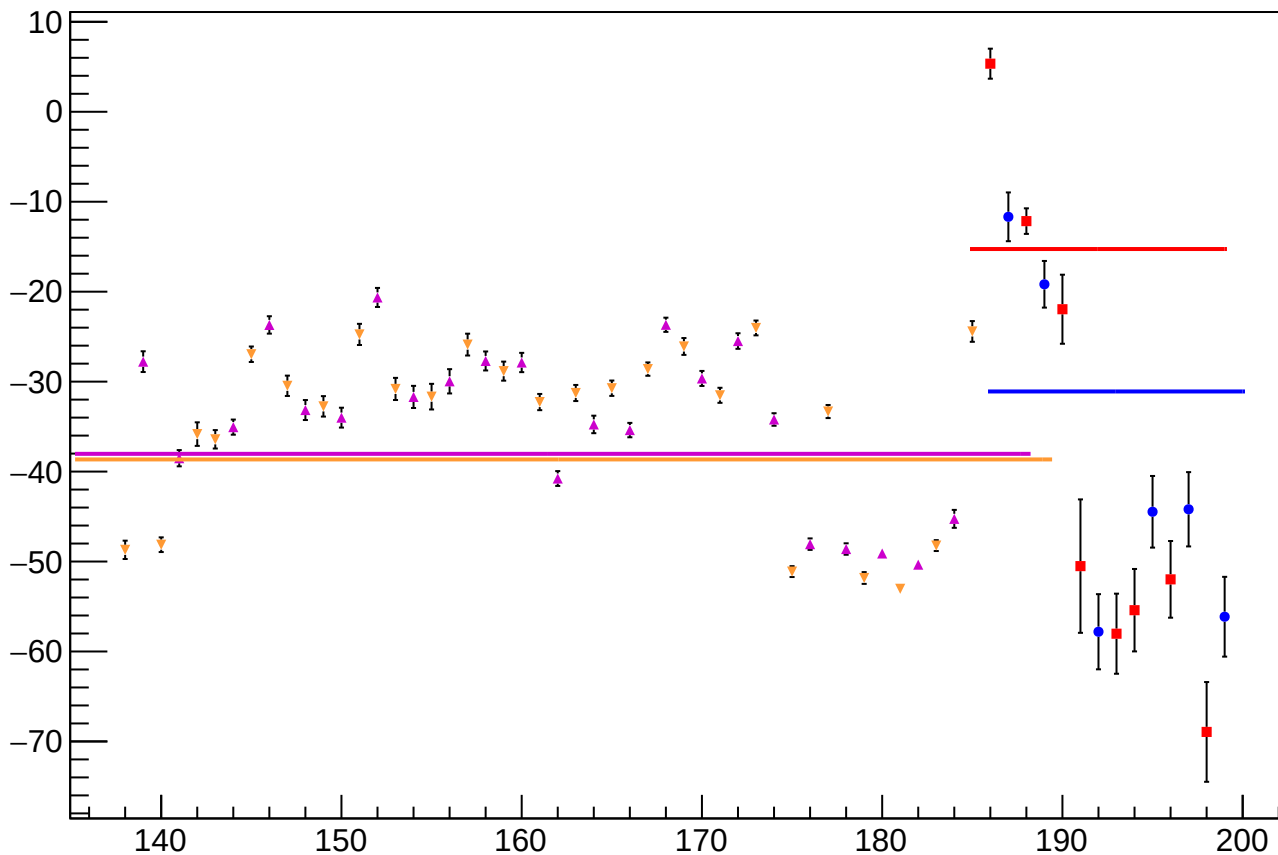
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.091 ± 0.002 χ^2/NDF : 2487.0/47

All: -0.088 ± 0.002 χ^2/NDF : 7322.9/97

- sign -0.086 ± 0.002 χ^2/NDF : 4834.2/49

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -31.093 ± 1.394 χ^2/NDF : 166.5/5

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -15.258 ± 0.942 χ^2/NDF : 519.8/7

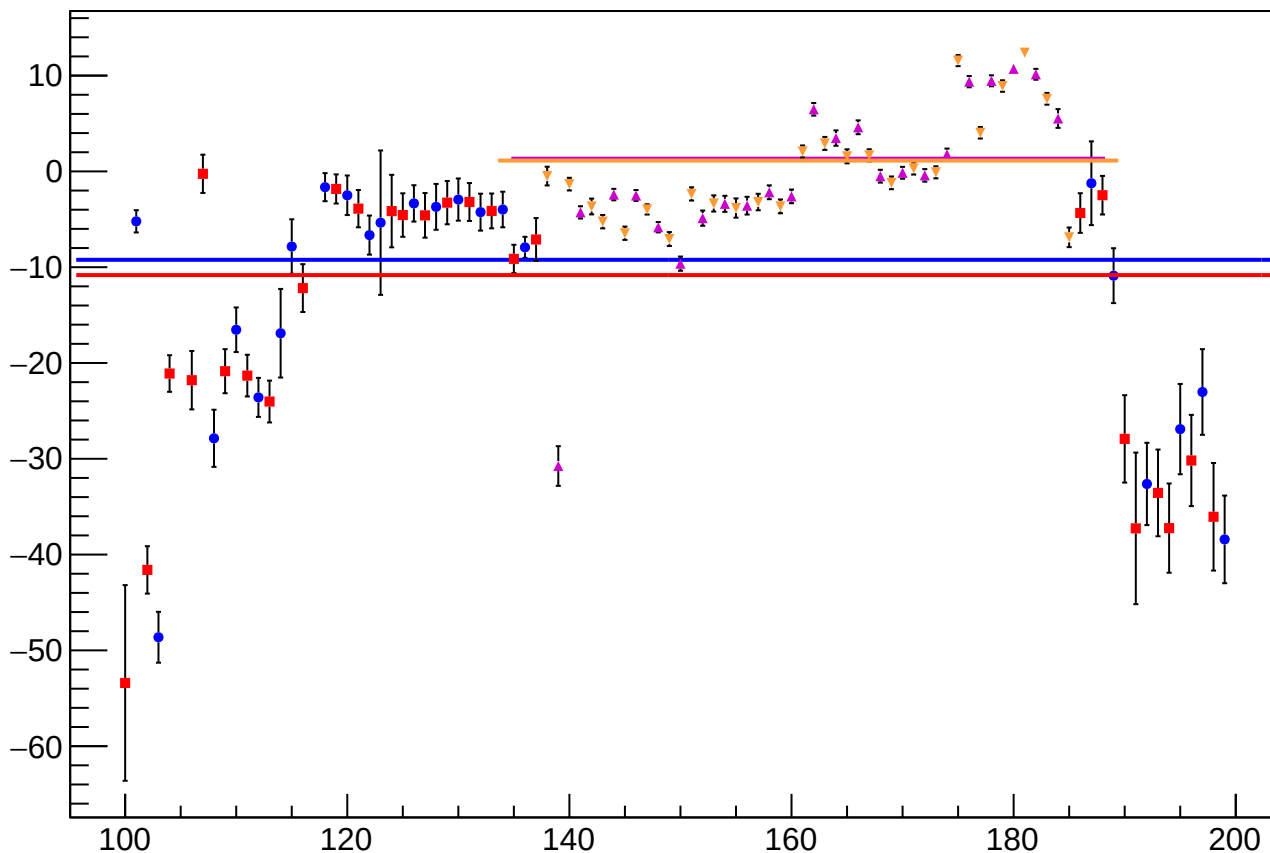
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.540 ± 0.168 χ^2/NDF : 4272.7/30

All: -37.921 ± 0.120 χ^2/NDF : 8476.5/61

- sign -37.283 ± 0.170 χ^2/NDF : 4176.2/30

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -9.229 ± 0.449 χ^2/NDF : 509.5/22

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -10.823 ± 0.454 χ^2/NDF : 576.7/26

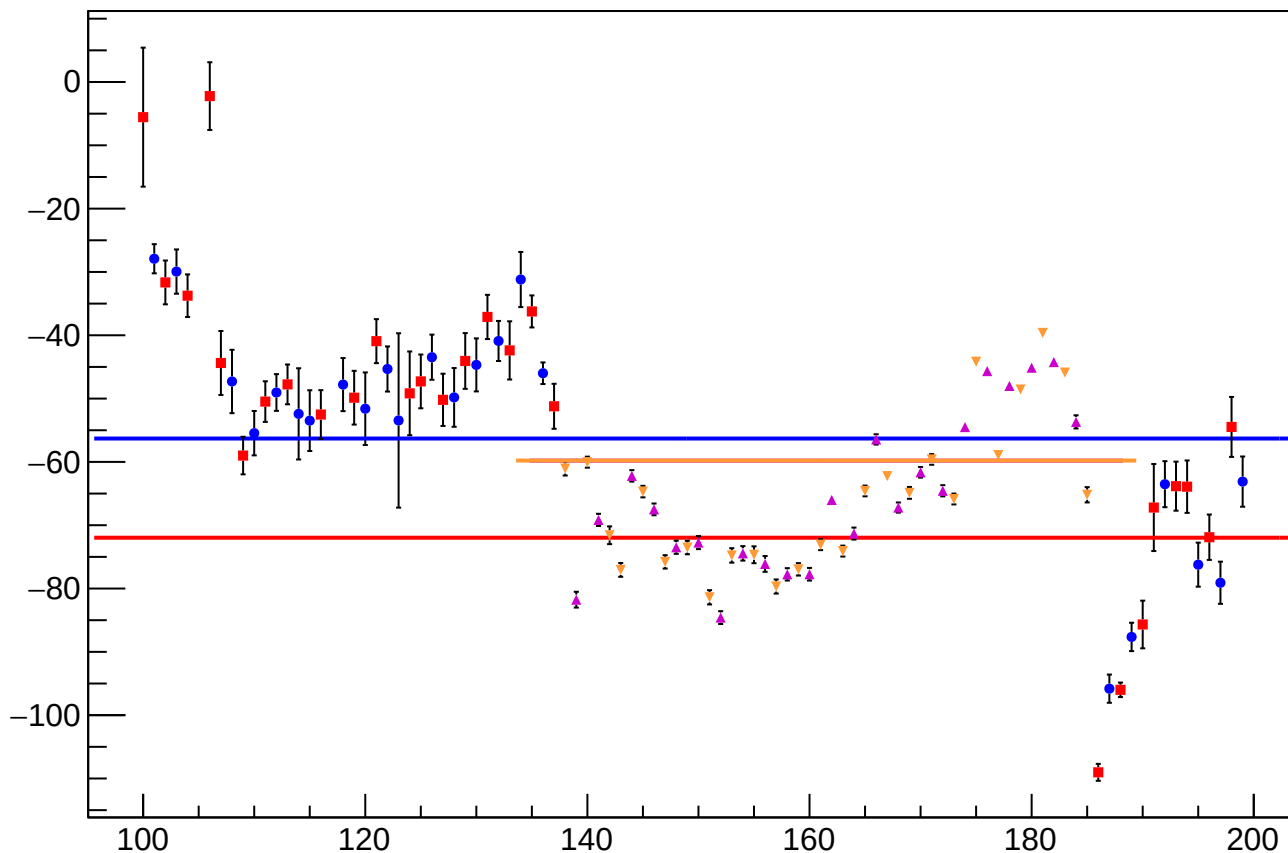
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.259 ± 0.130 χ^2/NDF : 2796.8/47

All: 0.267 ± 0.093 χ^2/NDF : 6076.0/97

- sign 0.276 ± 0.134 χ^2/NDF : 3279.2/49

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -56.308 ± 0.684 $\chi^2/\text{NDF}: 946.7/22$

Left Out: -59.789 ± 0.170 $\chi^2/\text{NDF}: 5837.7/24$

Right Out: -71.973 ± 0.579 $\chi^2/\text{NDF}: 2488.4/26$

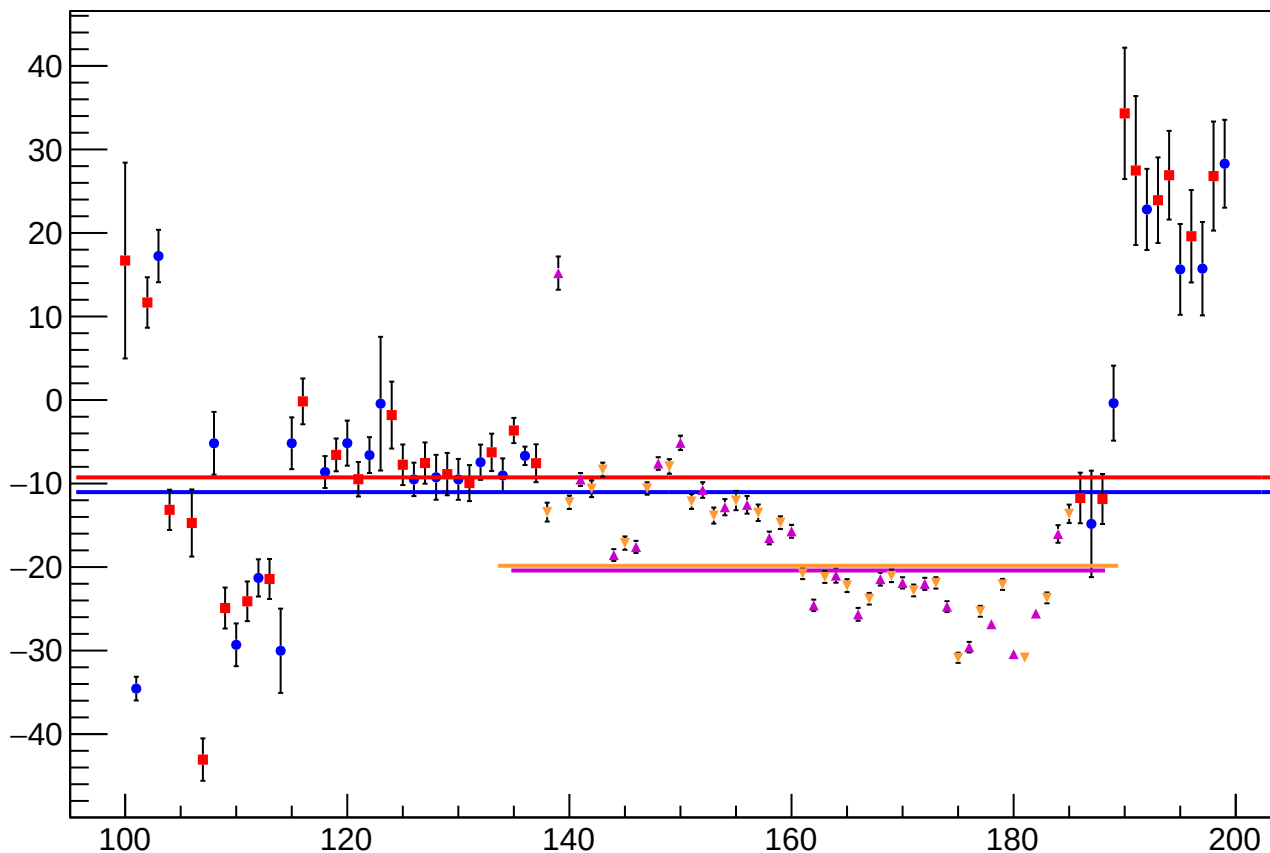
Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

+ sign -59.586 ± 0.165 $\chi^2/\text{NDF}: 6808.7/47$

All: -60.192 ± 0.117 $\chi^2/\text{NDF}: 14947.6/97$

- sign -60.804 ± 0.166 $\chi^2/\text{NDF}: 8111.8/49$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -11.028 ± 0.509 χ^2/NDF : 637.8/22

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -9.264 ± 0.525 χ^2/NDF : 568.7/26

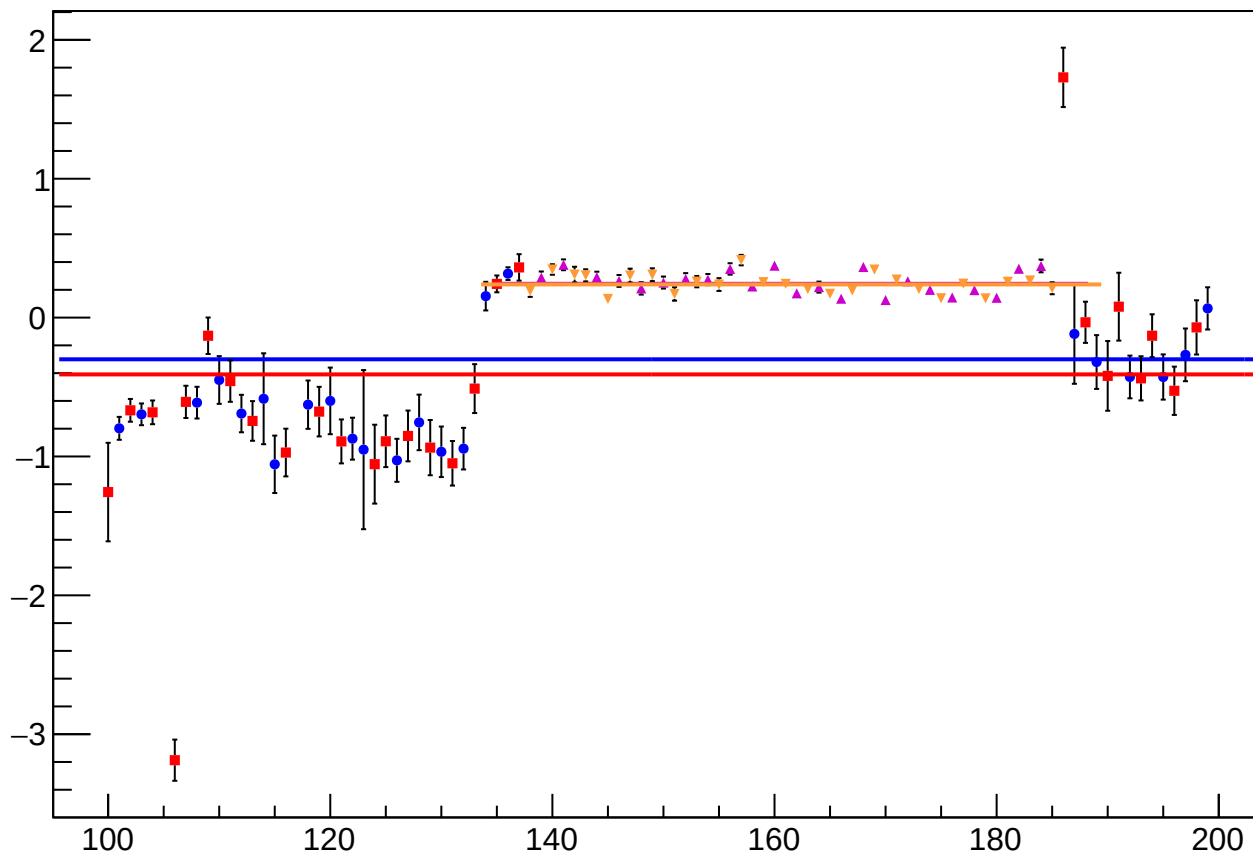
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.118 ± 0.146 χ^2/NDF : 2844.8/47

All: -19.303 ± 0.105 χ^2/NDF : 6132.8/97

- sign -19.498 ± 0.150 χ^2/NDF : 3284.7/49

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.300 ± 0.026 χ^2/NDF : 379.1/22

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.409 ± 0.026 χ^2/NDF : 751.3/26

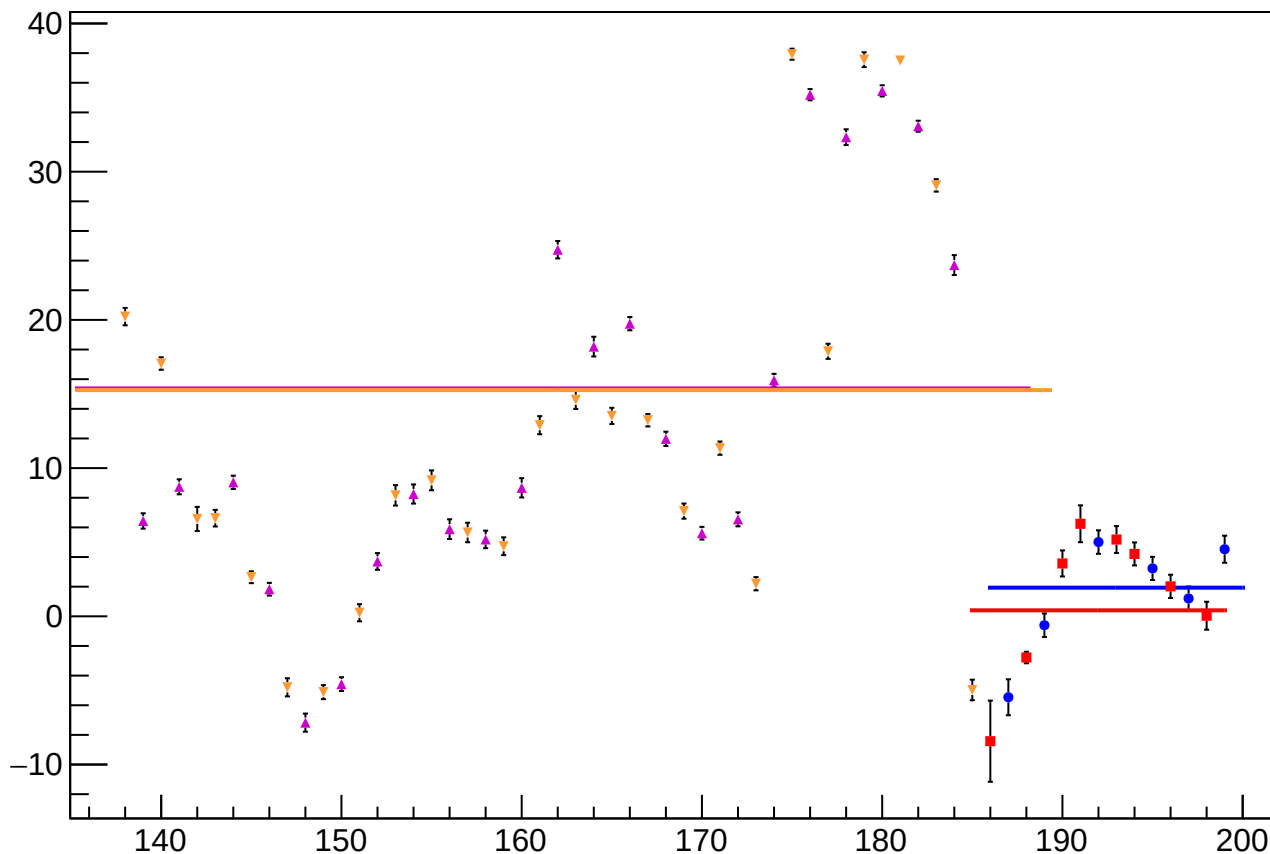
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.202 ± 0.007 χ^2/NDF : 877.9/47

All: 0.200 ± 0.005 χ^2/NDF : 2346.1/97

- sign 0.198 ± 0.007 χ^2/NDF : 1468.1/49

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.933 ± 0.349 $\chi^2/\text{NDF}: 74.0/5$

Left Out: 15.263 ± 0.100 $\chi^2/\text{NDF}: 19175.2/24$

Right Out: 0.404 ± 0.264 $\chi^2/\text{NDF}: 168.7/7$

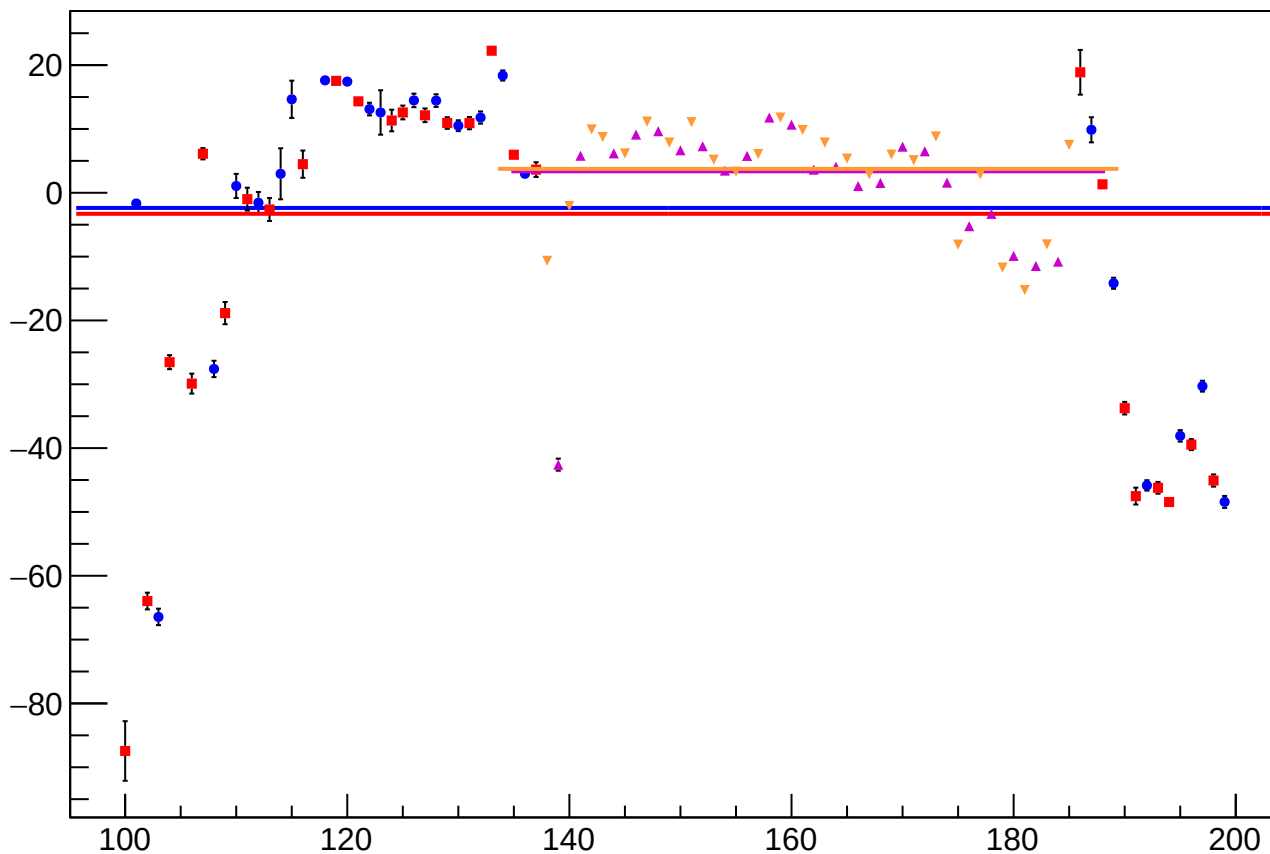
Left In: 15.377 ± 0.103 $\chi^2/\text{NDF}: 16268.9/22$

+ sign 14.242 ± 0.097 $\chi^2/\text{NDF}: 20596.6/30$

All: 13.823 ± 0.068 $\chi^2/\text{NDF}: 39859.0/61$

- sign 13.411 ± 0.096 $\chi^2/\text{NDF}: 19225.1/30$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -2.376 ± 0.190 χ^2/NDF : 15549.0/22

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -3.293 ± 0.177 χ^2/NDF : 21109.2/26

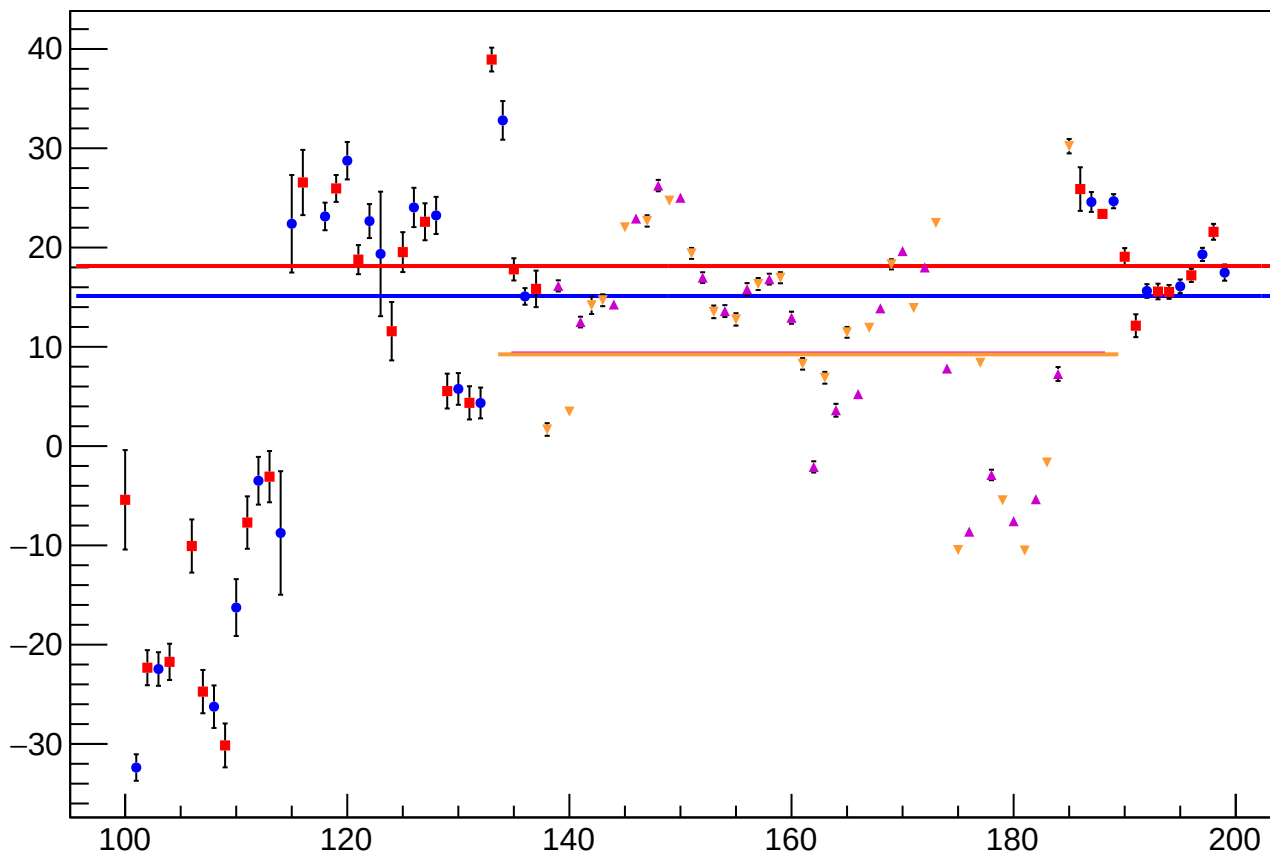
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 2.845 ± 0.073 χ^2/NDF : 25685.2/47

All: 2.531 ± 0.052 χ^2/NDF : 56528.2/97

- sign 2.207 ± 0.074 χ^2/NDF : 30805.0/49

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 15.121 $\pm$ 0.245 χ^2 /NDF: 2958.0/22

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 18.139 $\pm$ 0.198 χ^2 /NDF: 2996.5/26

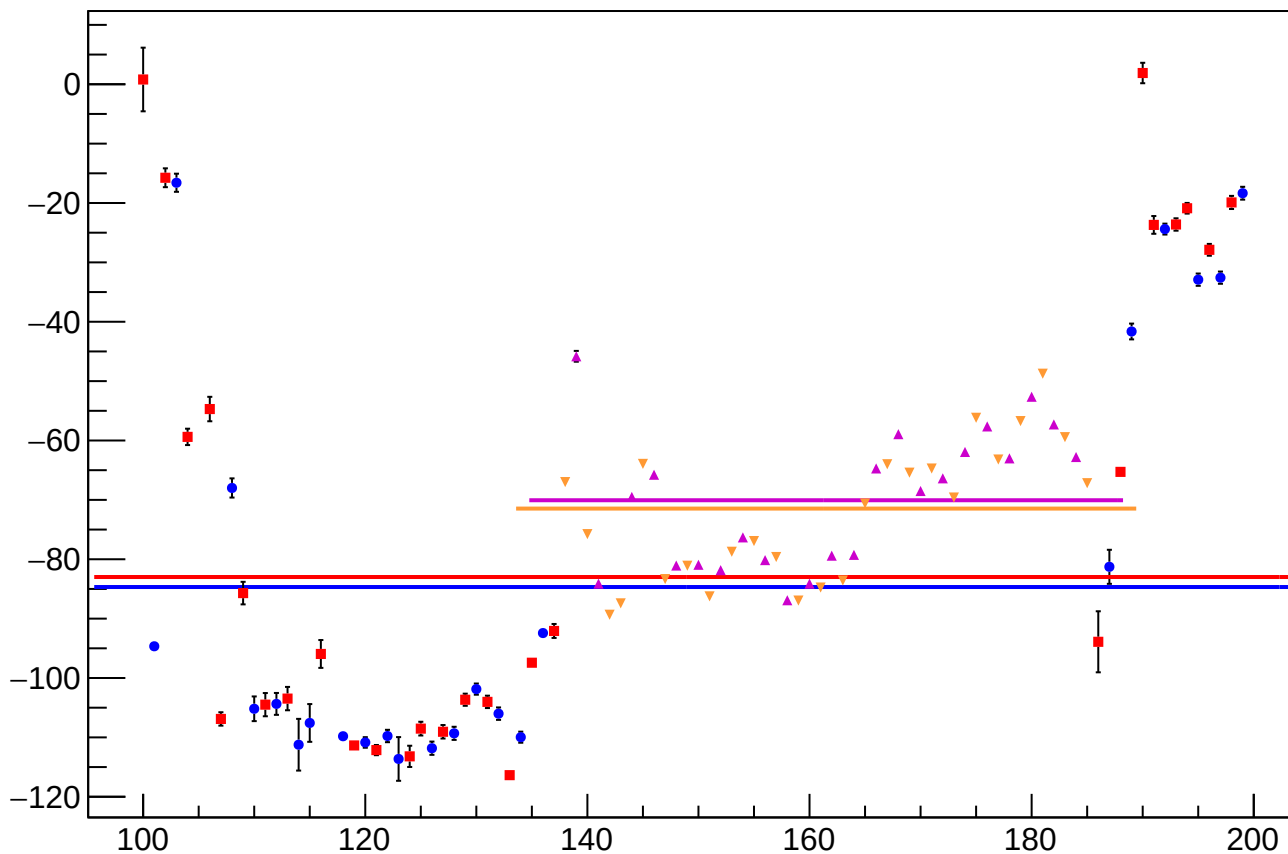
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.094 $\pm$ 0.093 χ^2 /NDF: 17083.0/47

All: 10.657 $\pm$ 0.065 χ^2 /NDF: 33680.9/97

- sign 11.193 $\pm$ 0.091 χ^2 /NDF: 16526.9/49

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -84.677 ± 0.221 χ^2/NDF : 22565.5/22

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -82.991 ± 0.210 χ^2/NDF : 31112.4/26

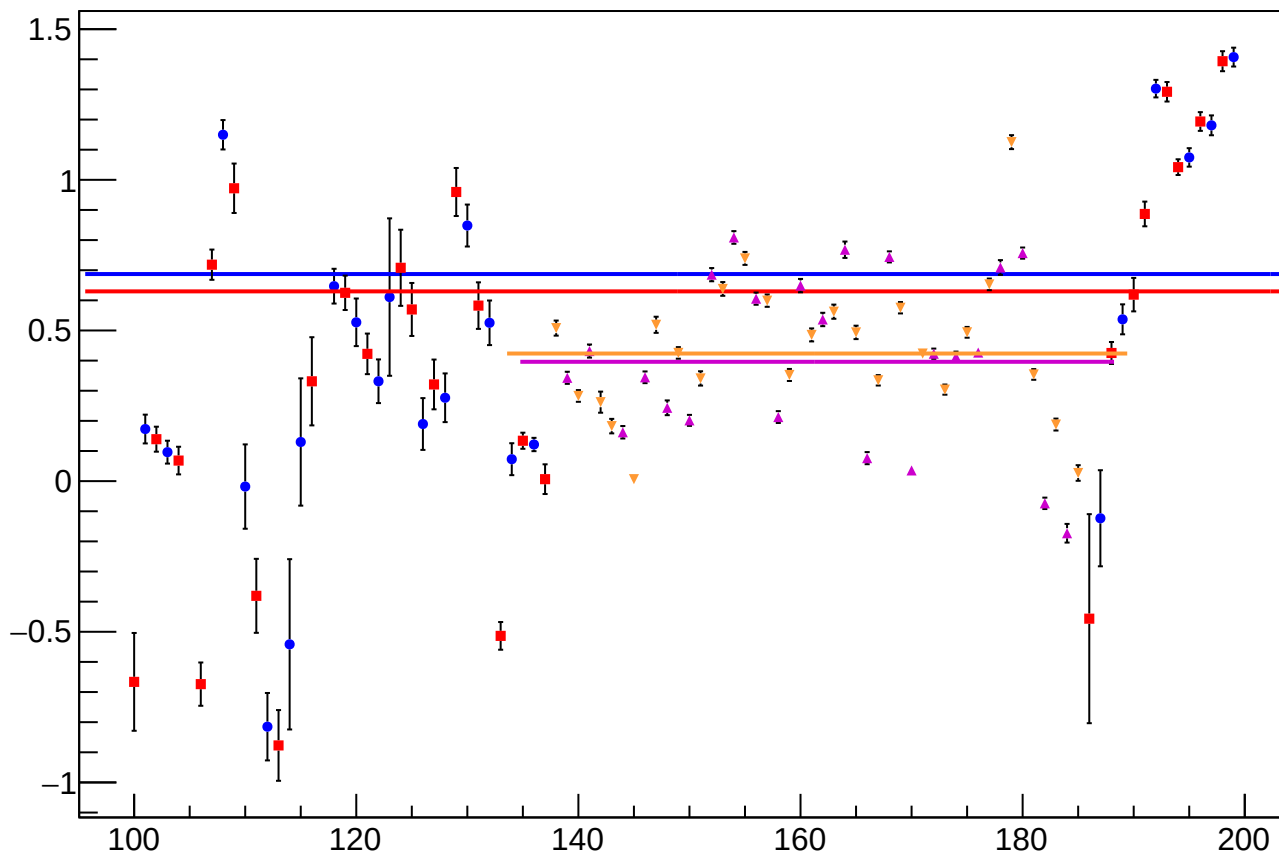
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -73.319 ± 0.083 χ^2/NDF : 42046.6/47

All: -72.736 ± 0.059 χ^2/NDF : 89505.7/97

- sign -72.135 ± 0.084 χ^2/NDF : 47358.3/49

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.687 $\pm$ 0.010 χ^2/NDF : 2962.6/22

Left Out: 0.424 $\pm$ 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.630 $\pm$ 0.009 χ^2/NDF : 3710.8/26

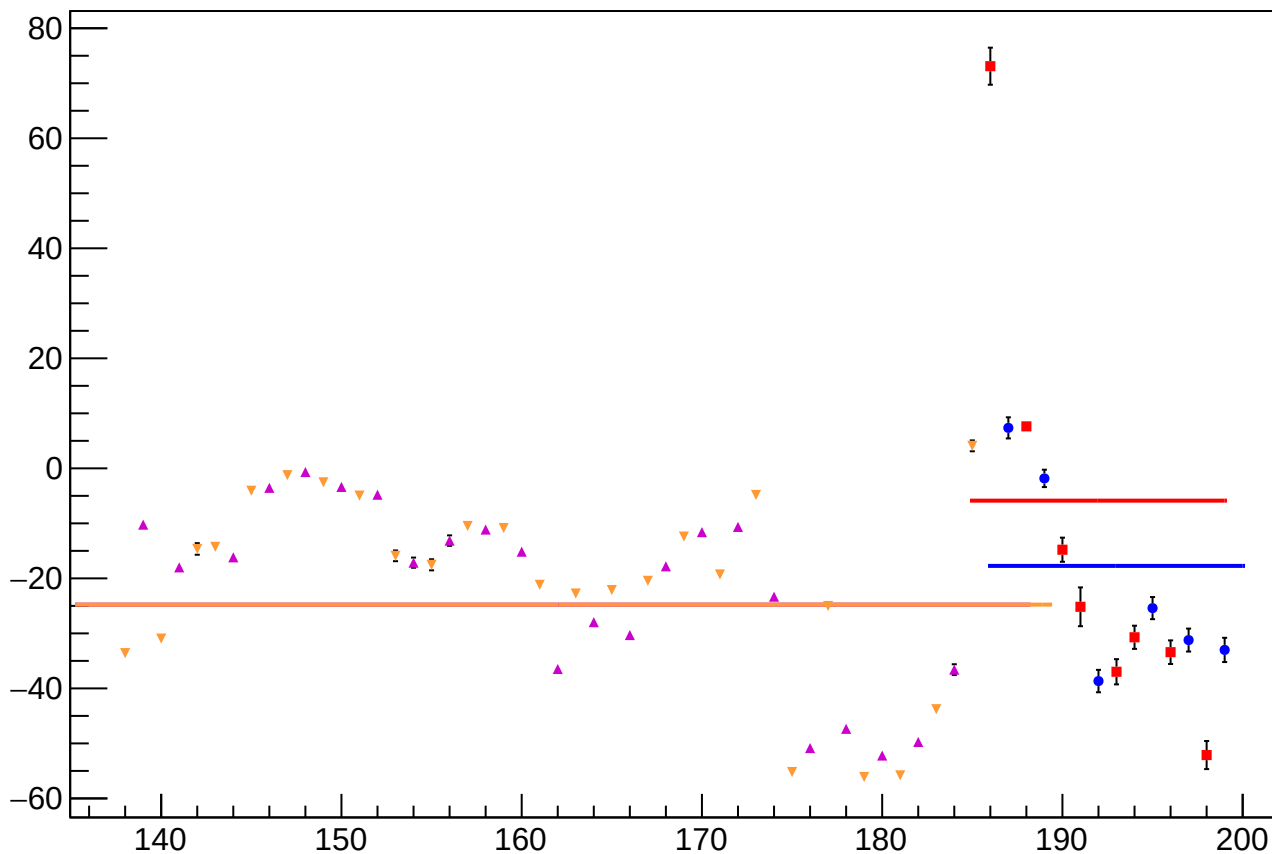
Left In: 0.396 $\pm$ 0.004 χ^2/NDF : 4051.5/22

+ sign 0.462 $\pm$ 0.004 χ^2/NDF : 6448.1/47

All: 0.448 $\pm$ 0.003 χ^2/NDF : 14760.0/97

- sign 0.435 $\pm$ 0.004 χ^2/NDF : 8287.3/49

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -17.731±/0.792 χ^2/NDF : 482.0/5

Left Out: -24.769±/0.139 χ^2/NDF :18318.8/24

Right Out: -5.869±/0.606 χ^2/NDF : 1697.0/7

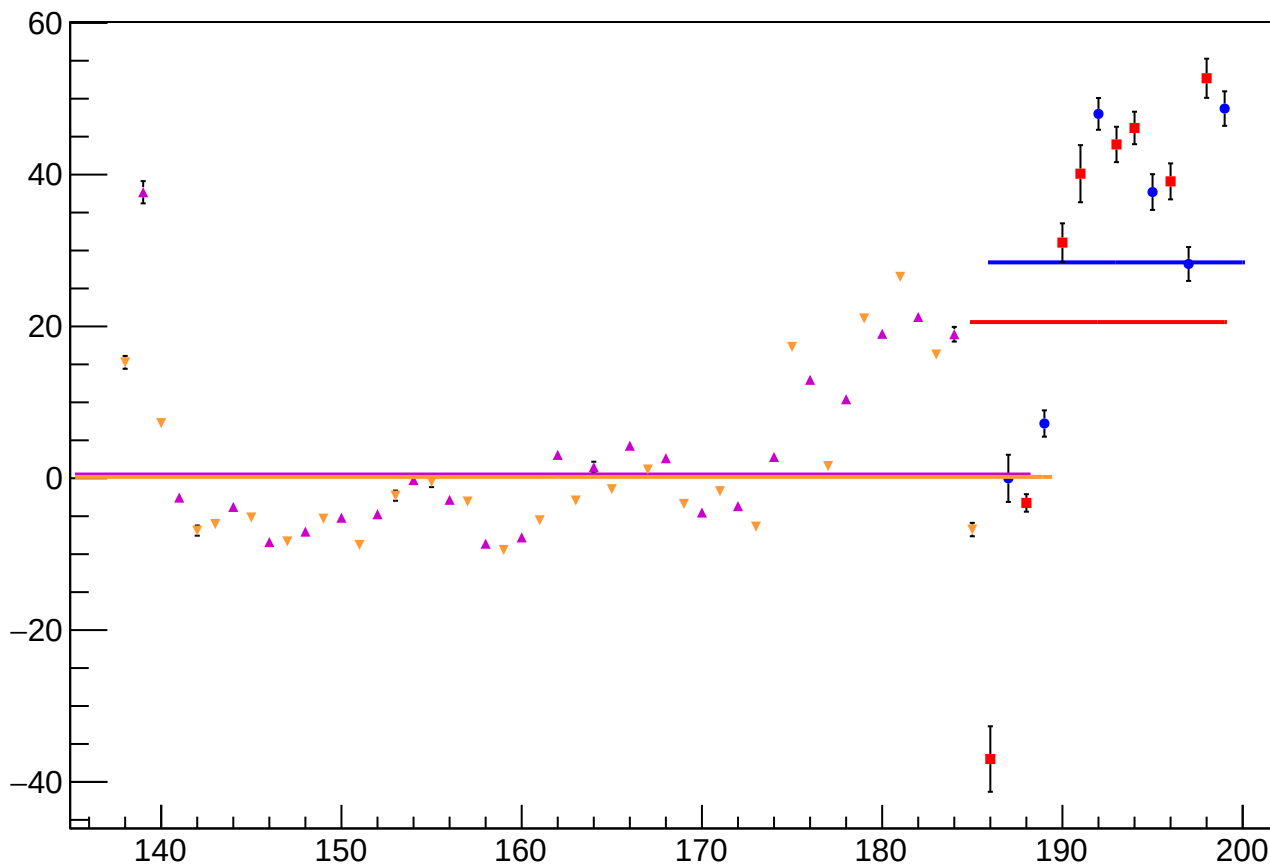
Left In: -24.775±/0.143 χ^2/NDF :14807.4/22

+ sign -24.557±/0.137 χ^2/NDF : 18877.4/30

All: -24.174±/0.098 χ^2/NDF : 36319.7/61

- sign -23.781±/0.139 χ^2/NDF : 17426.5/30

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 28.436+/-0.898 χ^2/NDF : 416.0/5

Left Out: 0.177+/-0.109 χ^2/NDF : 8295.6/24

Right Out: 20.572+/-0.753 χ^2/NDF : 1109.0/7

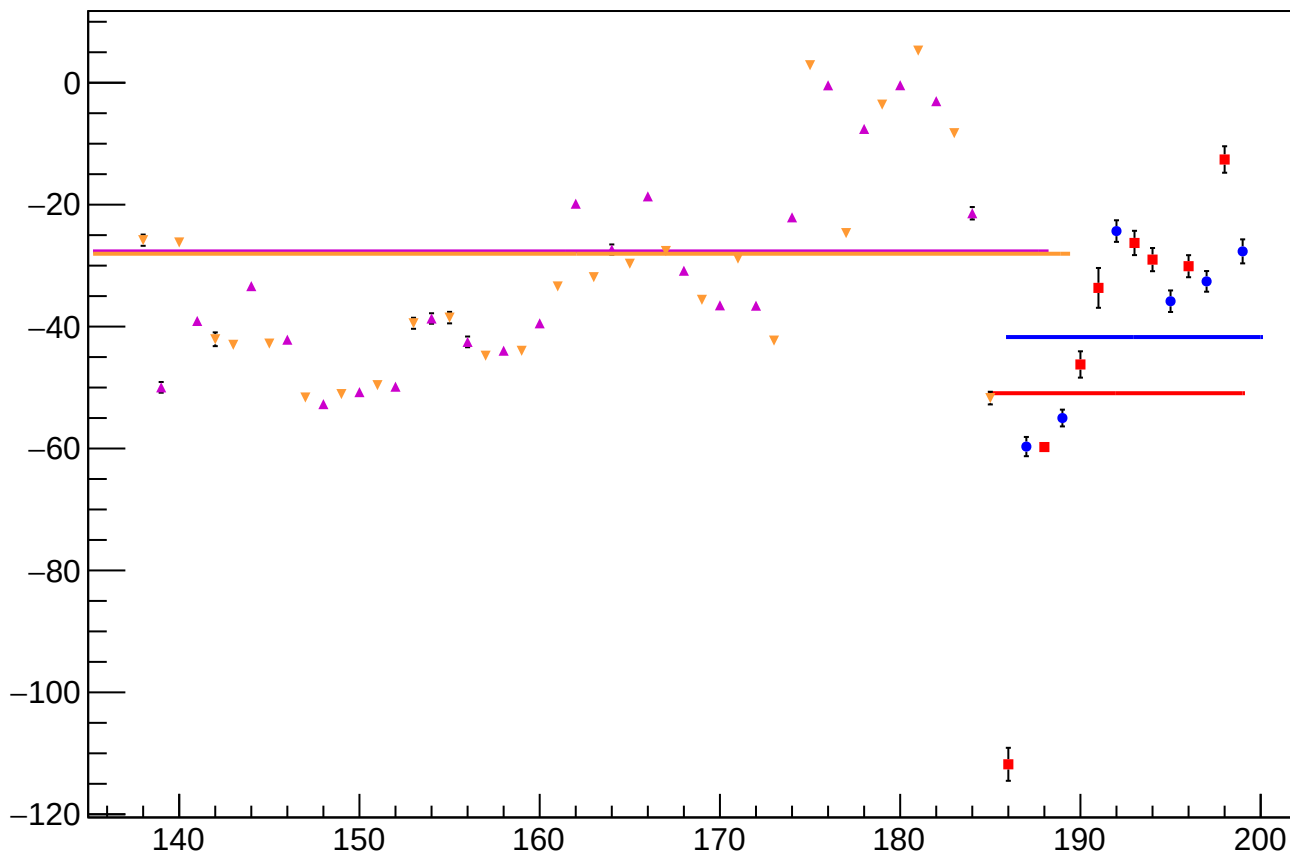
Left In: 0.493+/-0.112 χ^2/NDF : 6555.4/22

+ sign 0.584+/-0.108 χ^2/NDF : 9687.0/30

All: 0.751+/-0.077 χ^2/NDF : 18051.9/61

- sign 0.929+/-0.111 χ^2/NDF : 8359.9/30

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -41.718 ± 0.678 χ^2/NDF : 409.9/5

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -50.930 ± 0.508 χ^2/NDF : 1454.6/7

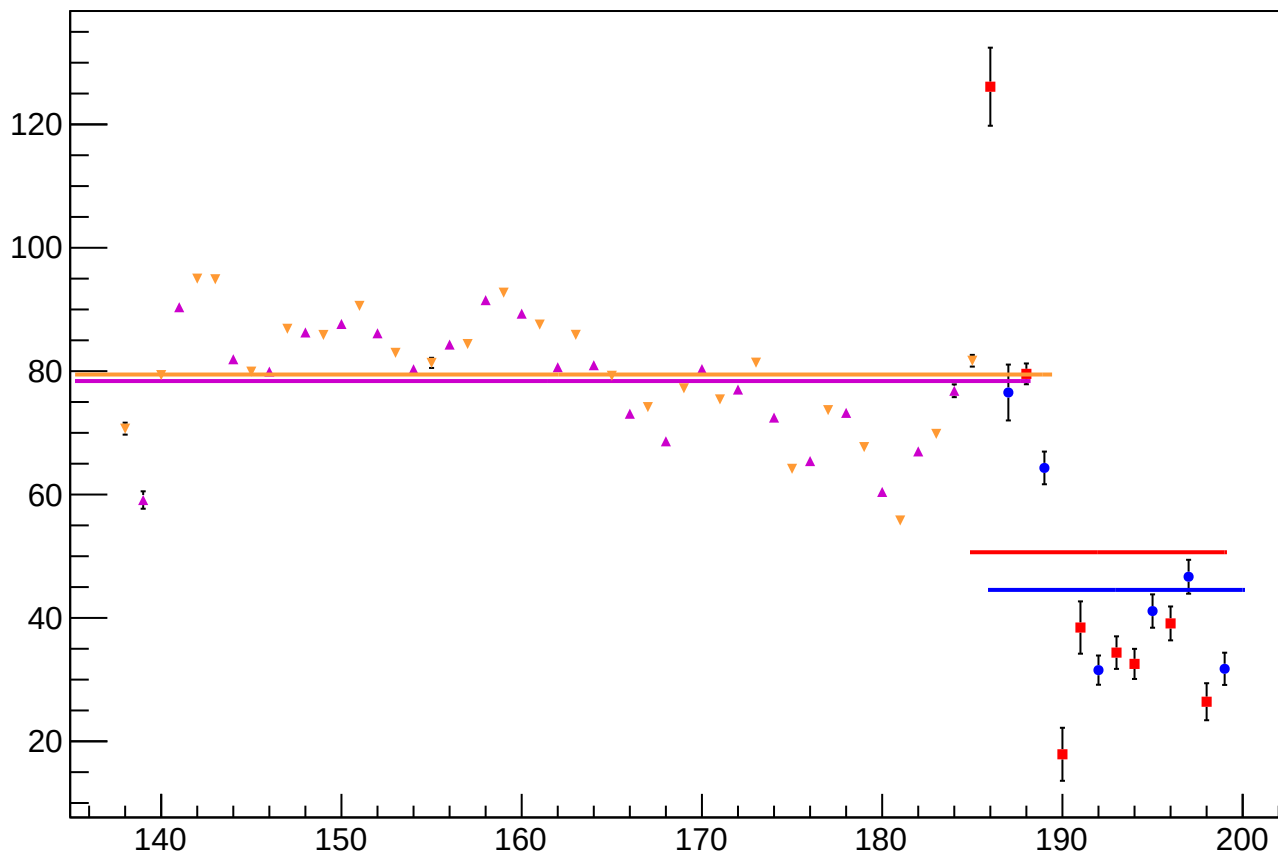
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -28.607 ± 0.137 χ^2/NDF : 17944.0/30

All: -28.984 ± 0.097 χ^2/NDF : 36361.2/61

- sign -29.362 ± 0.137 χ^2/NDF : 18402.0/30

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 44.542 ± 1.128 $\chi^2/\text{NDF}: 161.9/5$

Left Out: 79.456 ± 0.123 $\chi^2/\text{NDF}: 6077.1/24$

Right Out: 50.647 ± 0.980 $\chi^2/\text{NDF}: 678.6/7$

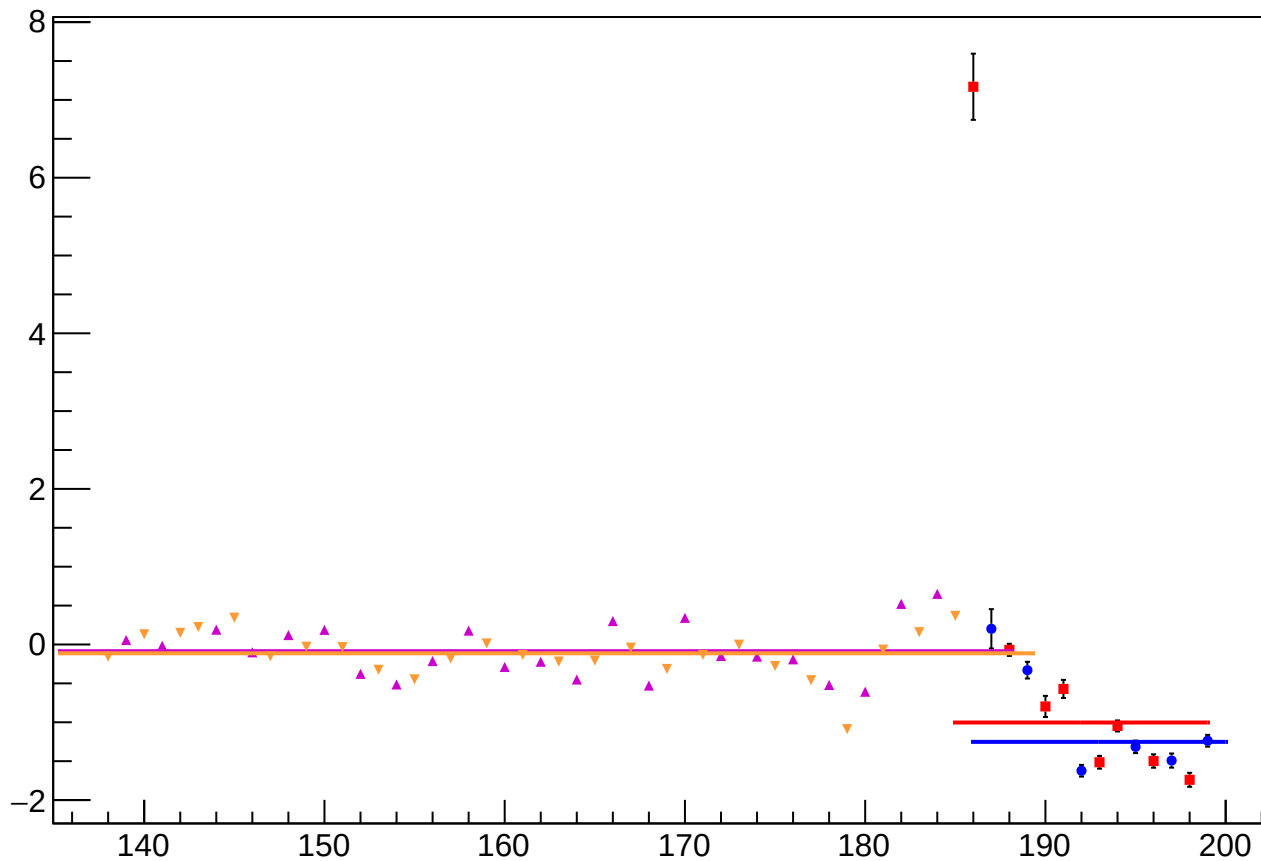
Left In: 78.396 ± 0.127 $\chi^2/\text{NDF}: 4707.3/22$

+ sign 79.045 ± 0.122 $\chi^2/\text{NDF}: 7185.2/30$

All: 78.506 ± 0.088 $\chi^2/\text{NDF}: 13399.7/61$

- sign 77.939 ± 0.126 $\chi^2/\text{NDF}: 6174.9/30$

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -1.252 ± 0.037 χ^2/NDF : 138.8/5

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -1.003 ± 0.033 χ^2/NDF : 668.5/7

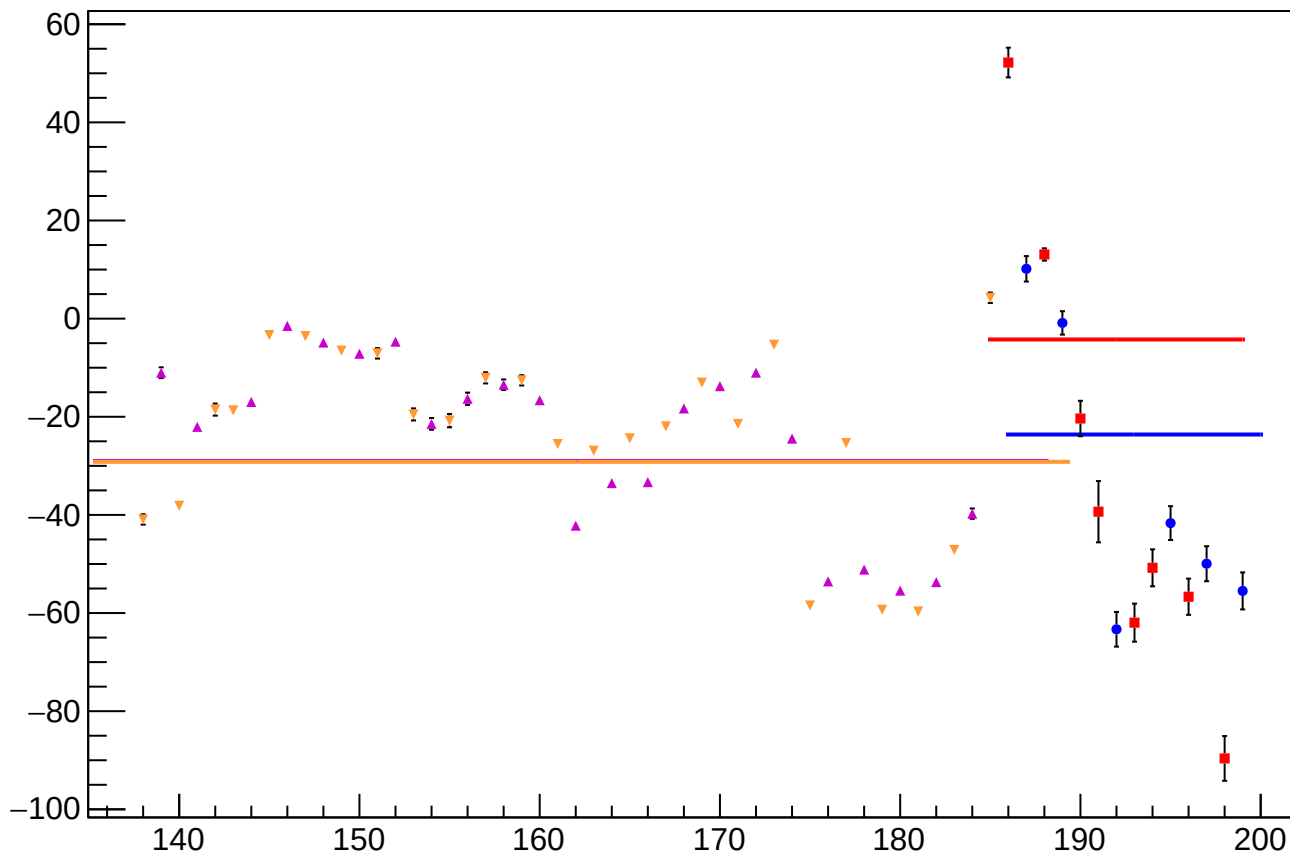
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.140 ± 0.006 χ^2/NDF : 3368.3/30

All: -0.127 ± 0.004 χ^2/NDF : 7918.4/61

- sign -0.113 ± 0.006 χ^2/NDF : 4539.2/30

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -23.614 ± 1.253 χ^2/NDF : 539.7/5

Left Out: -29.180 ± 0.157 χ^2/NDF : 16912.2/24

Right Out: -4.245 ± 0.950 χ^2/NDF : 1515.6/7

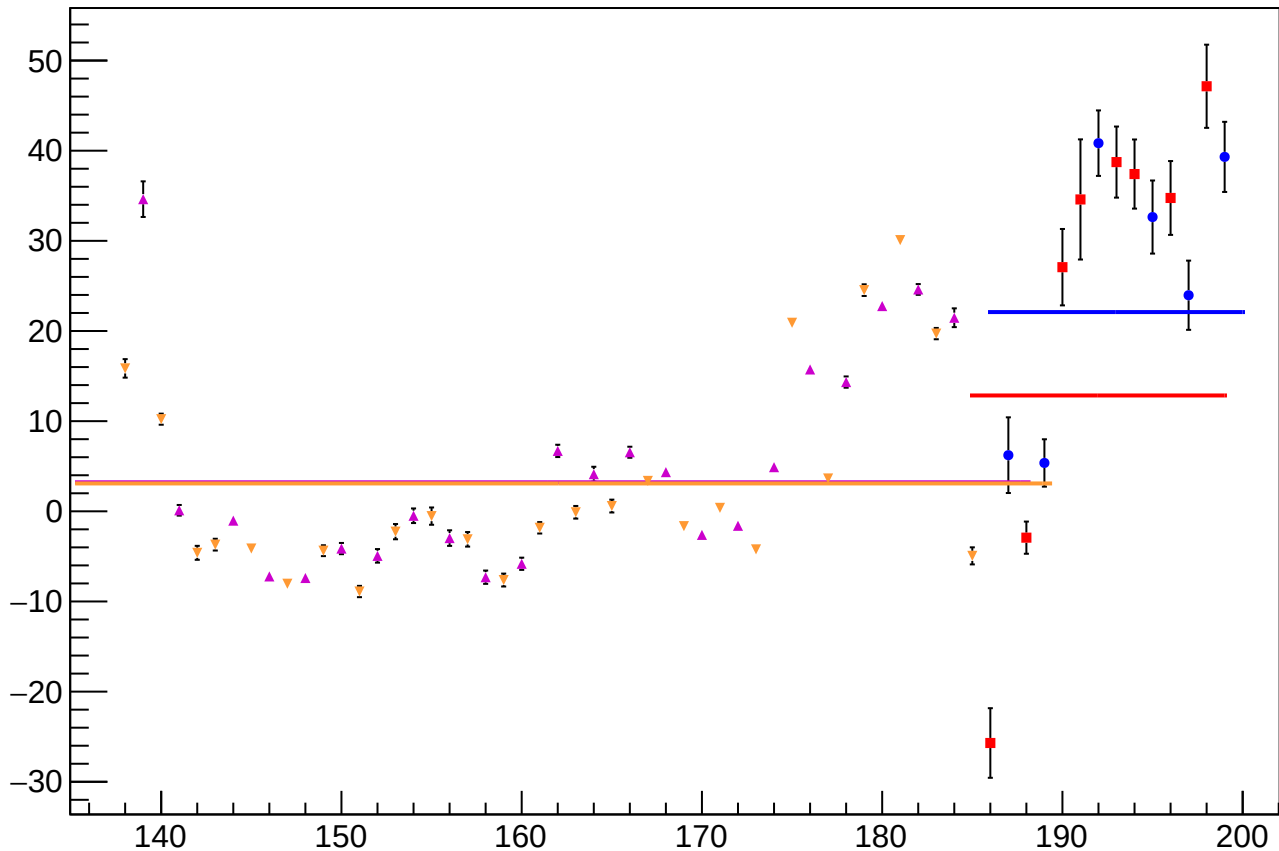
Left In: -29.003 ± 0.160 χ^2/NDF : 13416.8/22

+ sign -29.094 ± 0.156 χ^2/NDF : 17471.3/30

All: -28.713 ± 0.111 χ^2/NDF : 33075.9/61

- sign -28.322 ± 0.158 χ^2/NDF : 15592.4/30

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 22.100 $\pm$ 1.455 χ^2 /NDF: 108.1/5

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF:8084.1/24

Right Out: 12.850 $\pm$ 1.197 χ^2 /NDF: 367.7/7

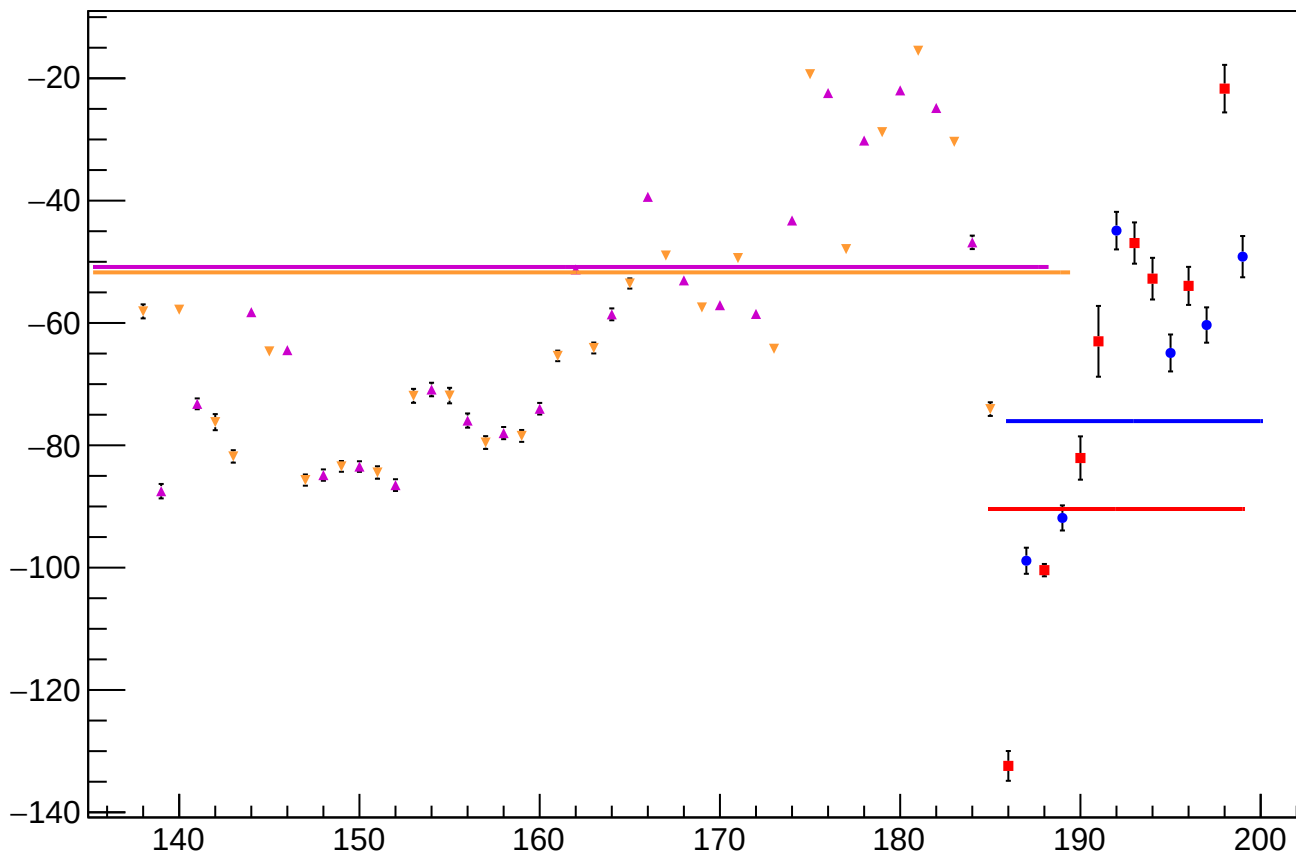
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF:6237.6/22

+ sign 3.229 $\pm$ 0.124 χ^2 /NDF: 8361.6/30

All: 3.278 $\pm$ 0.088 χ^2 /NDF: 15031.3/61

- sign 3.328 $\pm$ 0.126 χ^2 /NDF: 6669.4/30

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -76.043 ± 1.066 χ^2/NDF : 383.5/5

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -90.412 ± 0.790 χ^2/NDF : 1161.9/7

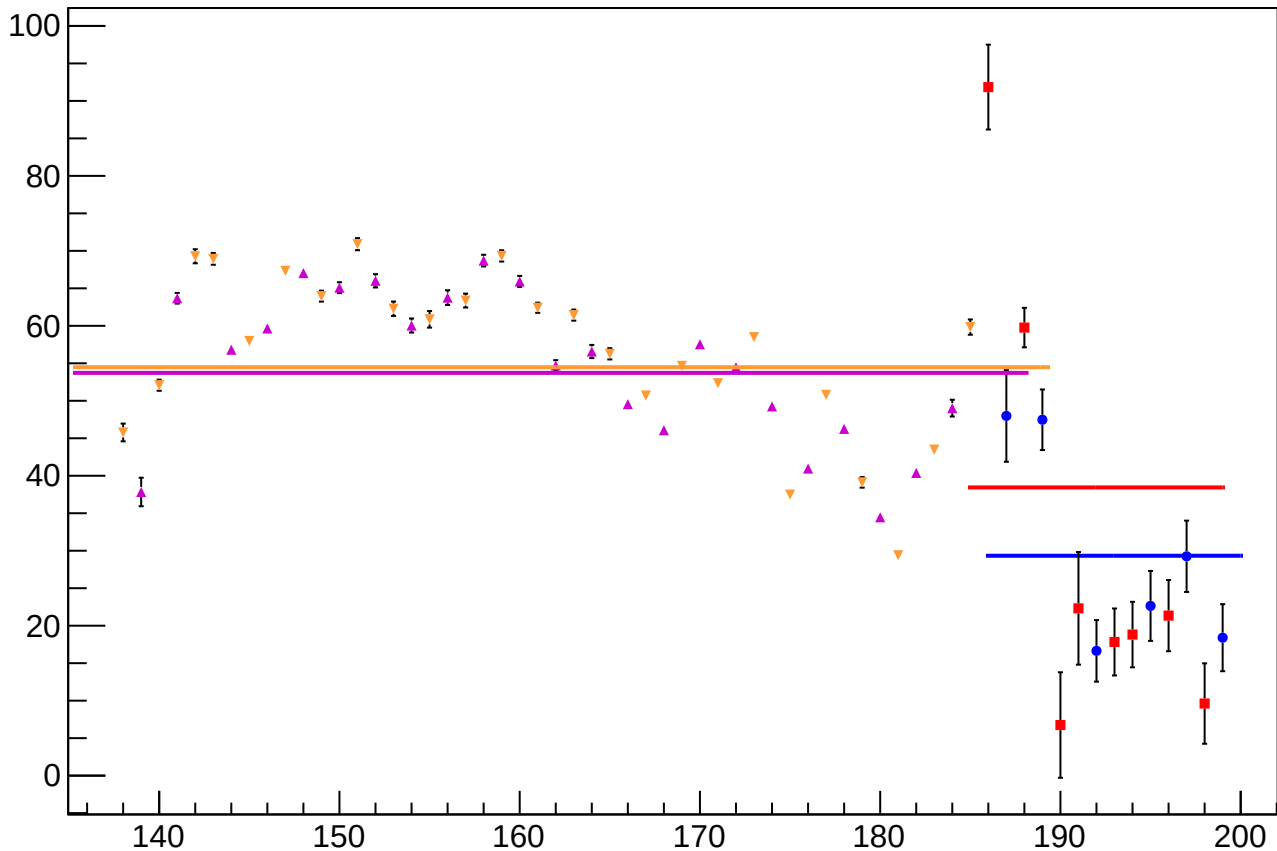
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -52.251 ± 0.156 χ^2/NDF : 20430.7/30

All: -52.327 ± 0.111 χ^2/NDF : 41272.5/61

- sign -52.404 ± 0.157 χ^2/NDF : 20841.3/30

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 29.331 $\pm$ 1.865 χ^2 /NDF: 47.0/5

Left Out: 54.476 $\pm$ 0.140 χ^2 /NDF: 6266.9/24

Right Out: 38.441 $\pm$ 1.591 χ^2 /NDF: 262.9/7

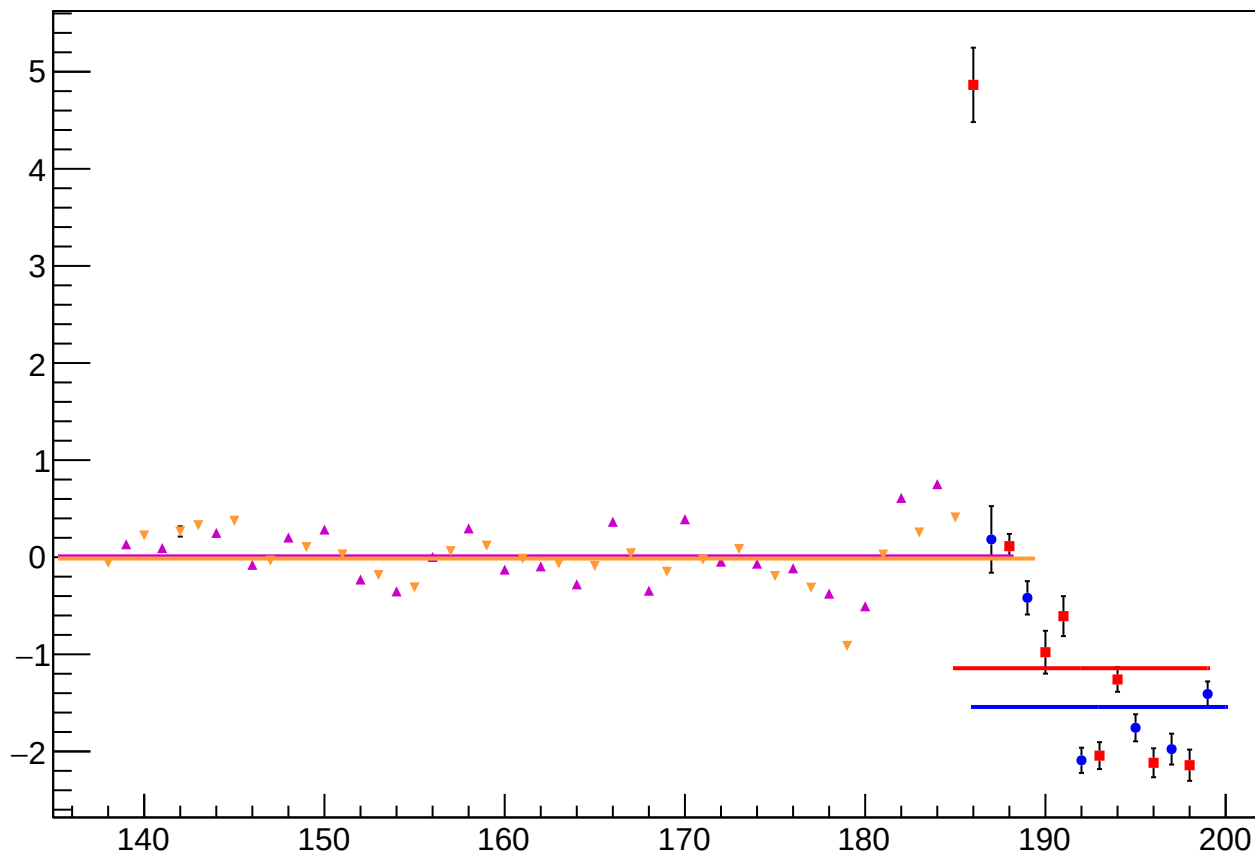
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 54.335 $\pm$ 0.140 χ^2 /NDF: 6494.6/30

All: 53.975 $\pm$ 0.100 χ^2 /NDF: 11448.3/61

- sign 53.601 $\pm$ 0.143 χ^2 /NDF: 4940.1/30

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.542 ± 0.063 χ^2/NDF : 96.9/5

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -1.143 ± 0.057 χ^2/NDF : 477.5/7

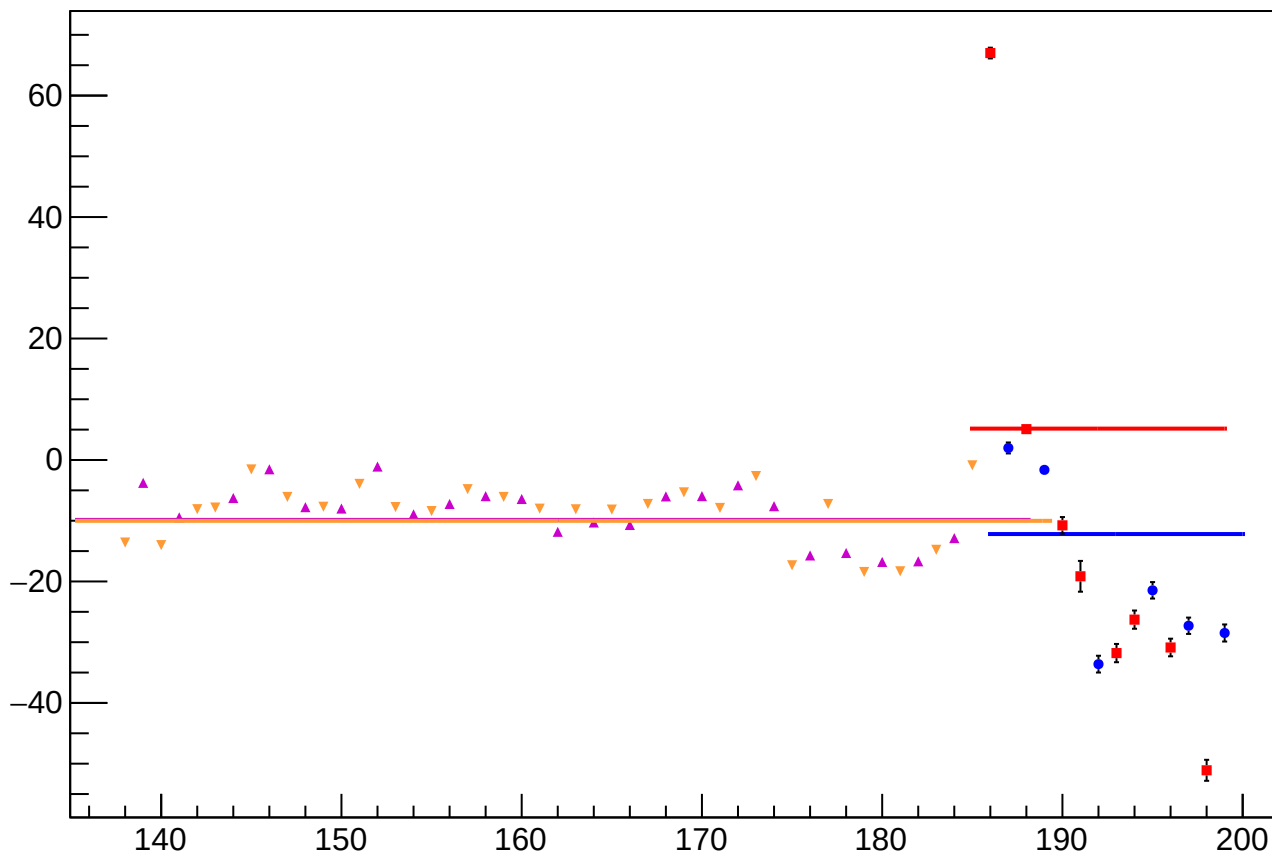
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.029 ± 0.006 χ^2/NDF : 2335.6/30

All: -0.018 ± 0.005 χ^2/NDF : 5448.7/61

- sign -0.006 ± 0.007 χ^2/NDF : 3106.6/30

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -12.193 ± 0.456 χ^2/NDF : 956.7/5

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: 5.168 ± 0.339 χ^2/NDF : 7829.3/7

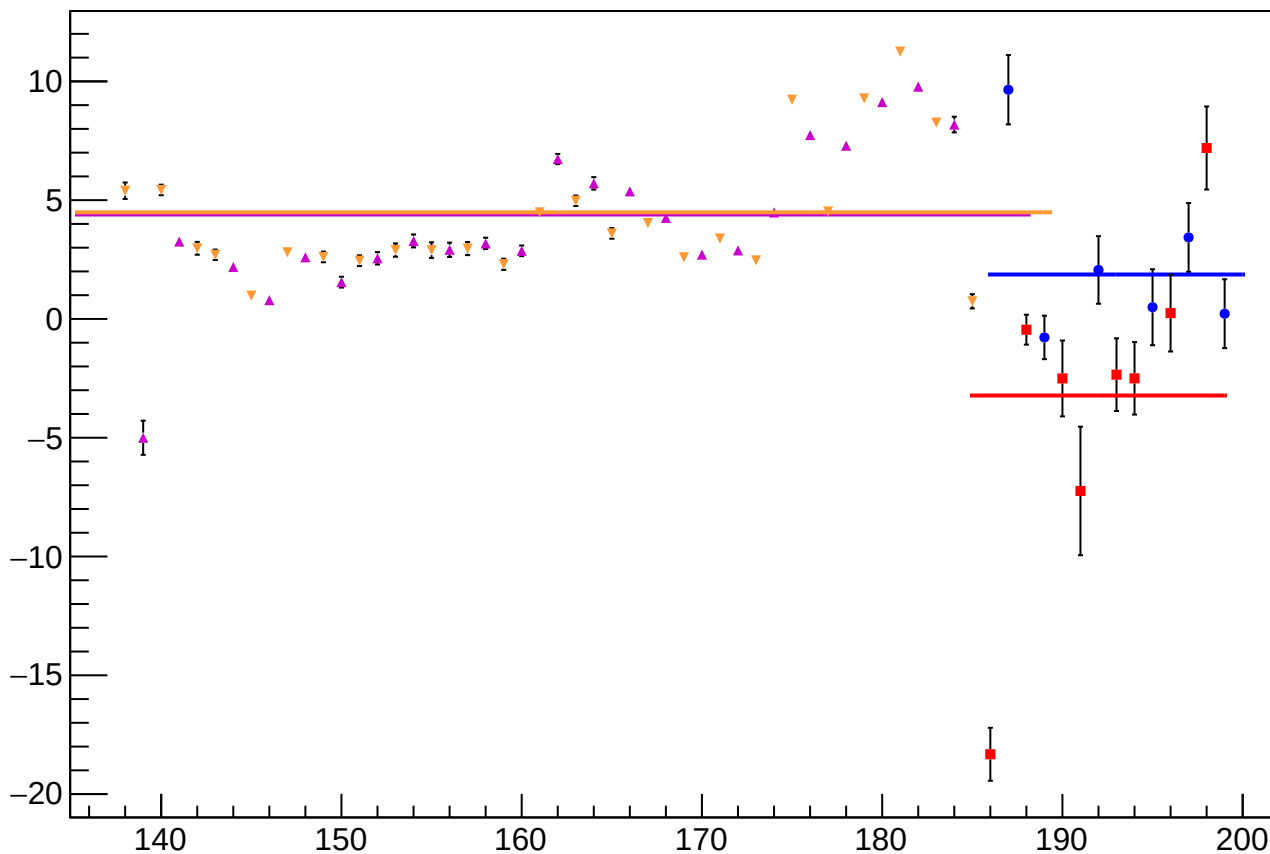
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -10.043 ± 0.050 χ^2/NDF : 13532.0/30

All: -9.788 ± 0.036 χ^2/NDF : 32680.7/61

- sign -9.528 ± 0.051 χ^2/NDF : 19096.7/30

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.871 ± 0.534 $\chi^2/\text{NDF}: 40.0/5$

Left Out: 4.489 ± 0.041 $\chi^2/\text{NDF}: 4832.3/24$

Right Out: -3.223 ± 0.430 $\chi^2/\text{NDF}: 245.5/7$

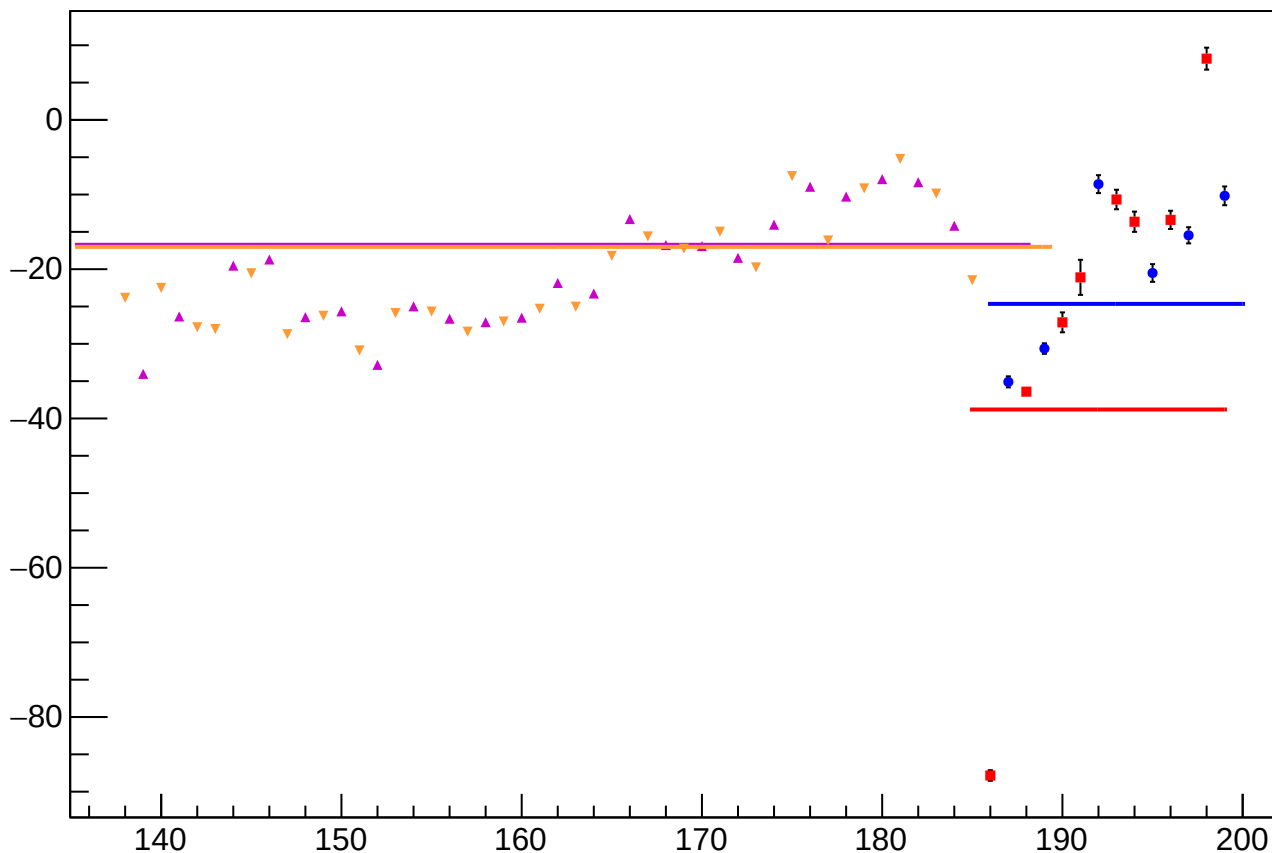
Left In: 4.396 ± 0.041 $\chi^2/\text{NDF}: 4230.4/22$

+ sign 4.474 ± 0.041 $\chi^2/\text{NDF}: 4896.2/30$

All: 4.401 ± 0.029 $\chi^2/\text{NDF}: 9689.9/61$

- sign 4.327 ± 0.041 $\chi^2/\text{NDF}: 4787.2/30$

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -24.648 ± 0.386 $\chi^2/\text{NDF}: 665.0/5$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -38.799 ± 0.280 $\chi^2/\text{NDF}: 7191.4/7$

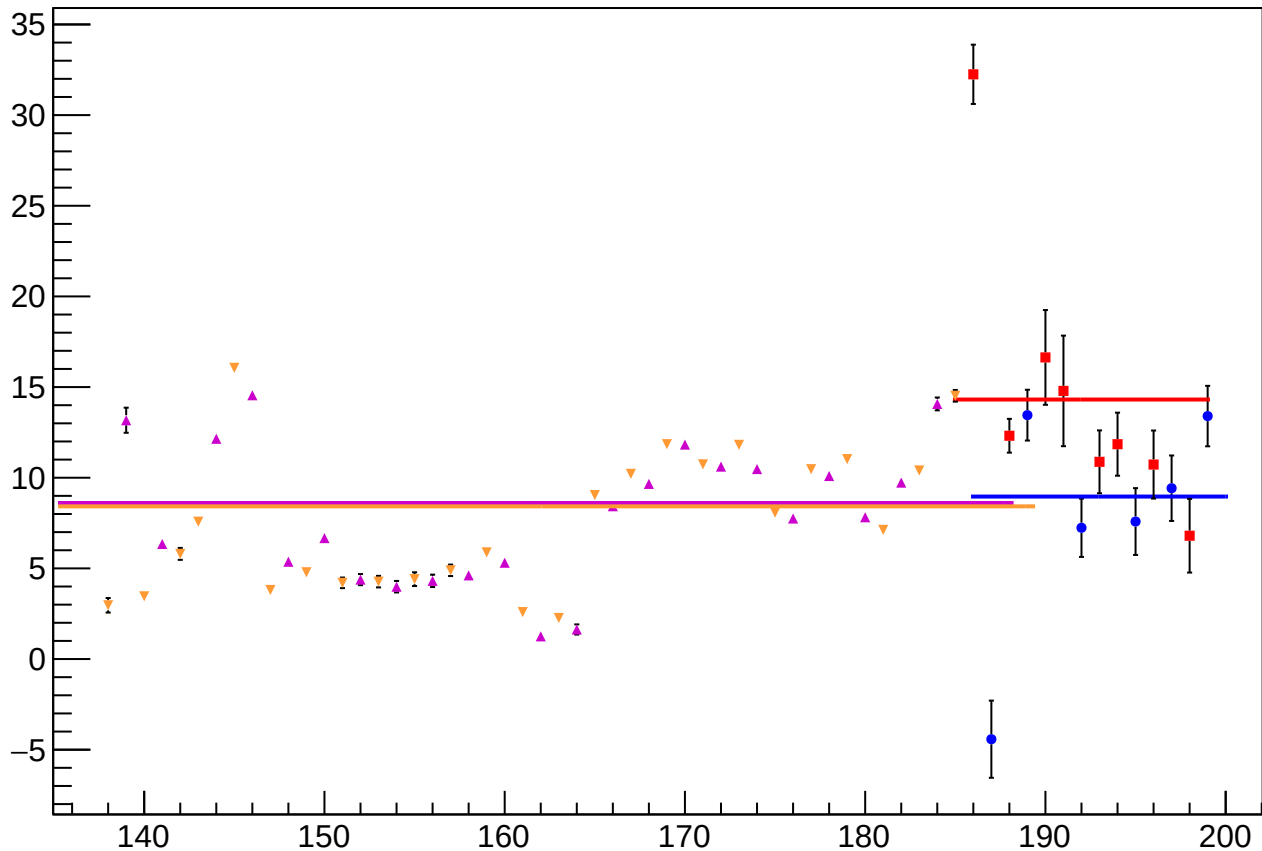
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.140 ± 0.051 $\chi^2/\text{NDF}: 23144.5/30$

All: -17.296 ± 0.036 $\chi^2/\text{NDF}: 55122.2/61$

- sign -17.453 ± 0.051 $\chi^2/\text{NDF}: 31958.6/30$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 8.962 ± 0.694 $\chi^2/\text{NDF}: 58.7/5$

Left Out: 8.422 ± 0.046 $\chi^2/\text{NDF}: 6470.1/24$

Right Out: 14.313 ± 0.580 $\chi^2/\text{NDF}: 149.0/7$

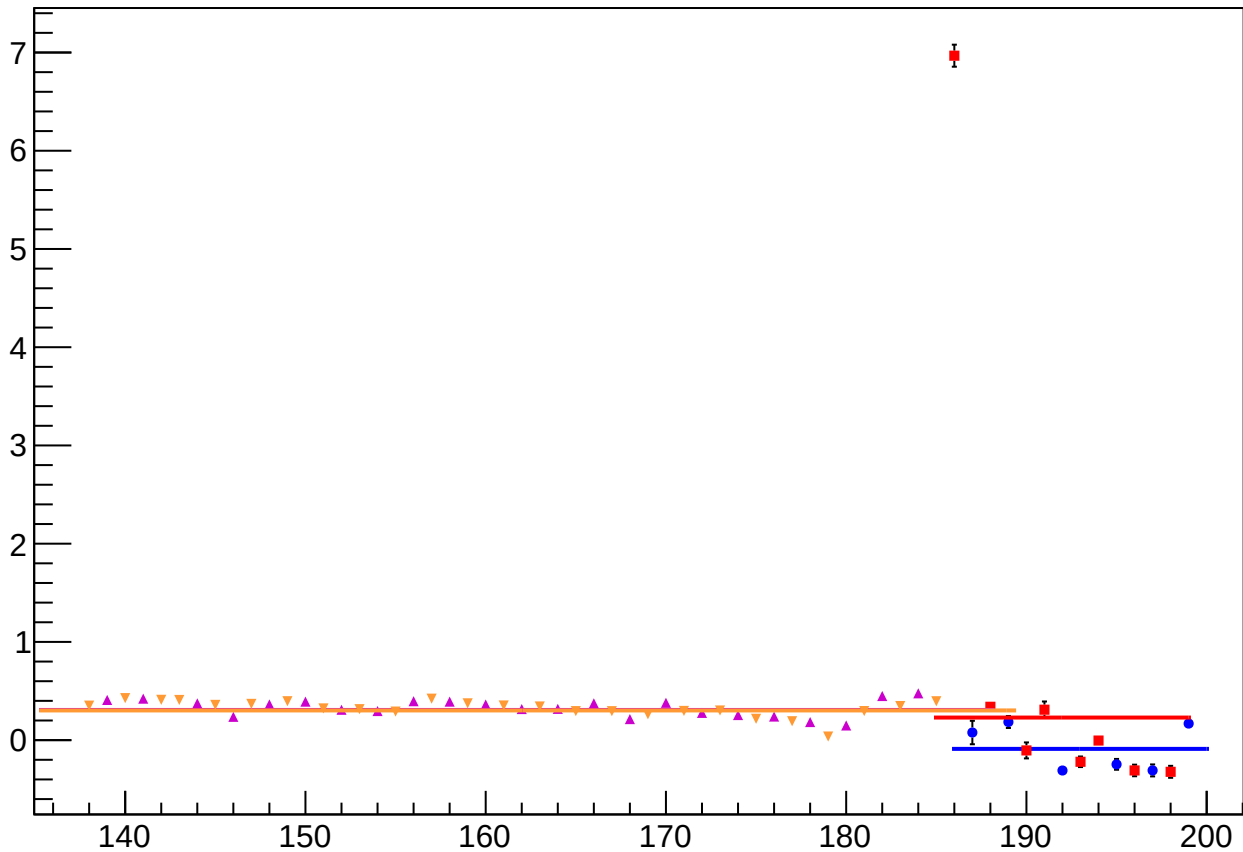
Left In: 8.606 ± 0.046 $\chi^2/\text{NDF}: 5504.2/22$

+ sign 8.424 ± 0.045 $\chi^2/\text{NDF}: 6529.4/30$

All: 8.532 ± 0.032 $\chi^2/\text{NDF}: 12290.1/61$

- sign 8.642 ± 0.046 $\chi^2/\text{NDF}: 5749.4/30$

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: -0.089 ± 0.024 χ^2/NDF : 90.4/5

Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.230 ± 0.021 χ^2/NDF : 3887.6/7

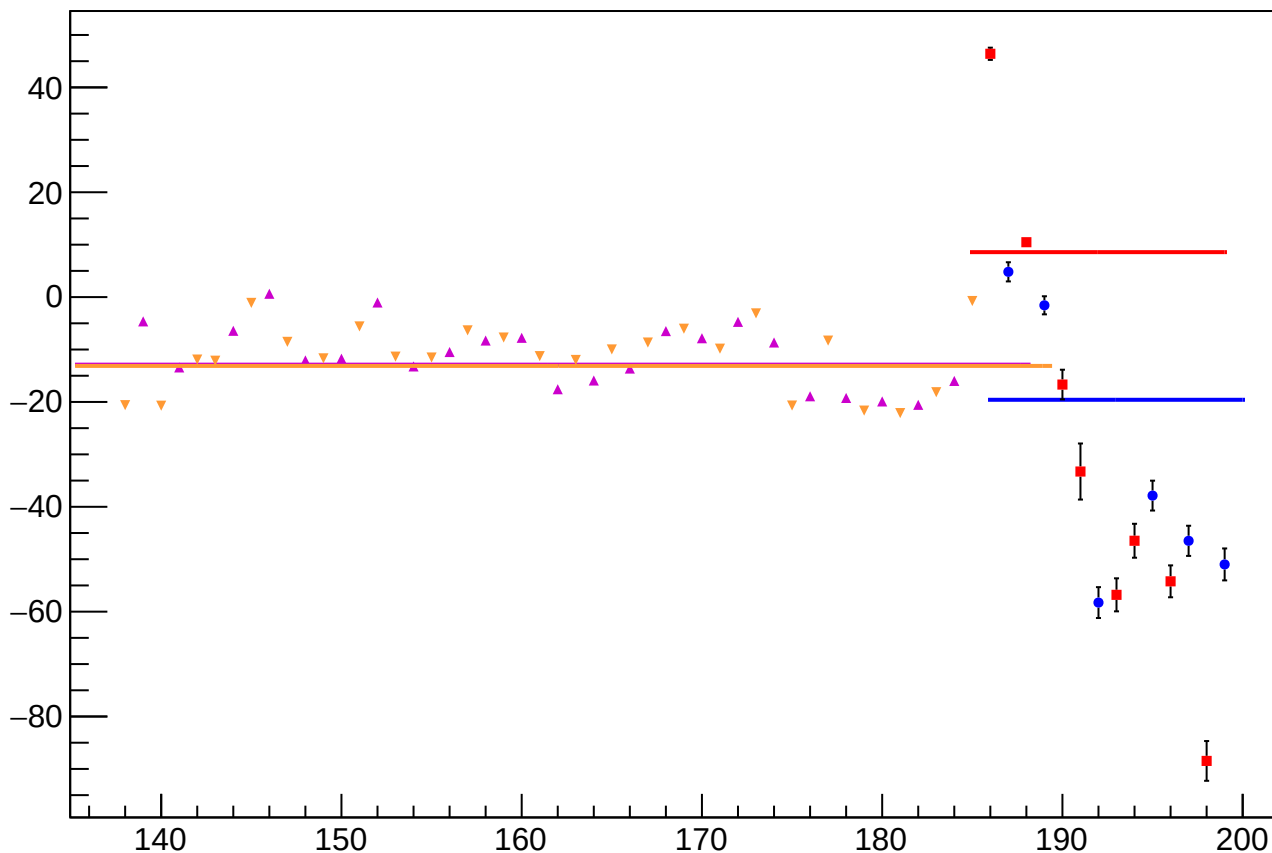
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.300 ± 0.002 χ^2/NDF : 1947.8/30

All: 0.303 ± 0.001 χ^2/NDF : 7553.3/61

- sign 0.307 ± 0.002 χ^2/NDF : 5600.0/30

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -19.587 ± 0.953 $\chi^2/\text{NDF}: 694.7/5$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: 8.576 ± 0.643 $\chi^2/\text{NDF}: 2997.5/7$

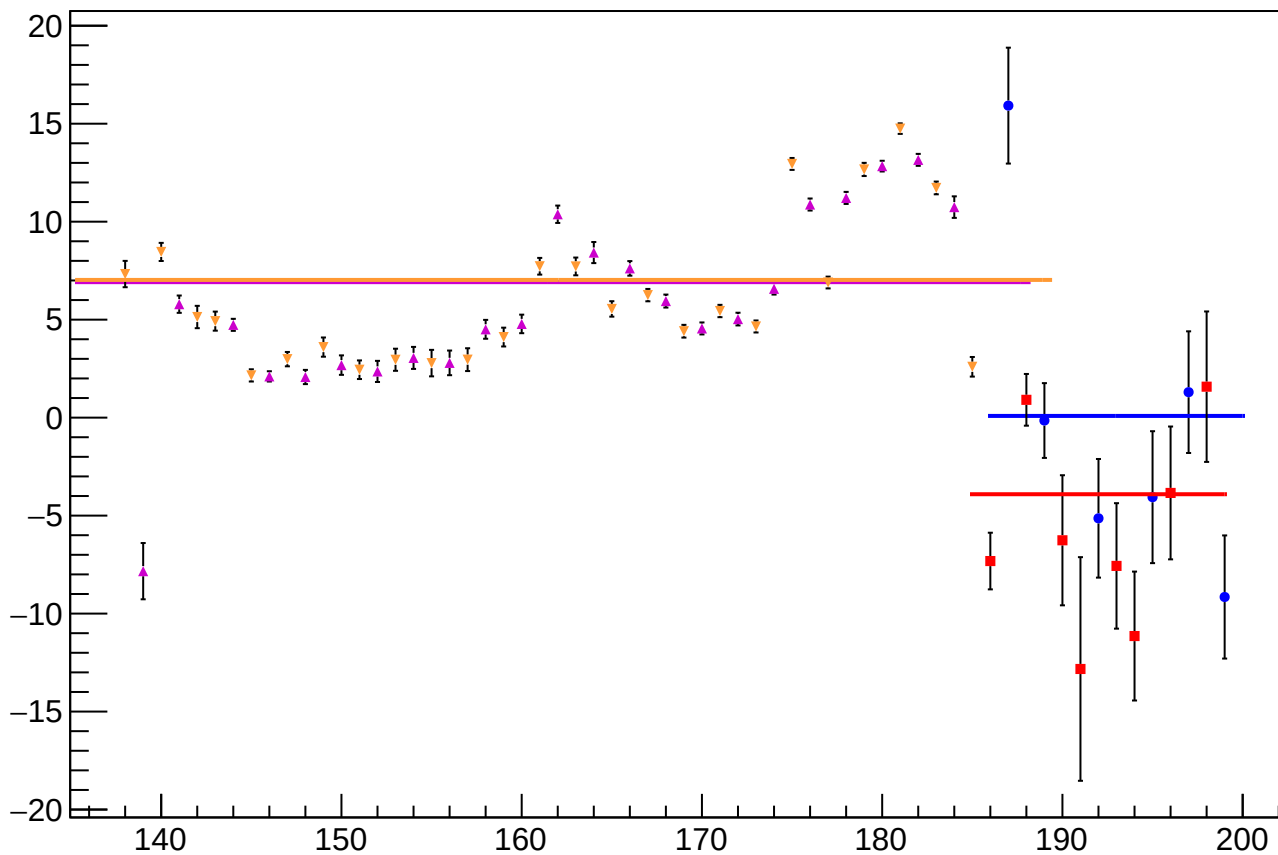
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.187 ± 0.093 $\chi^2/\text{NDF}: 6717.9/30$

All: -12.810 ± 0.066 $\chi^2/\text{NDF}: 15615.0/61$

- sign -12.426 ± 0.094 $\chi^2/\text{NDF}: 8864.1/30$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.088 ± 1.124 $\chi^2/\text{NDF}: 42.0/5$

Left Out: 7.028 ± 0.077 $\chi^2/\text{NDF}: 2665.3/24$

Right Out: -3.909 ± 0.811 $\chi^2/\text{NDF}: 30.0/7$

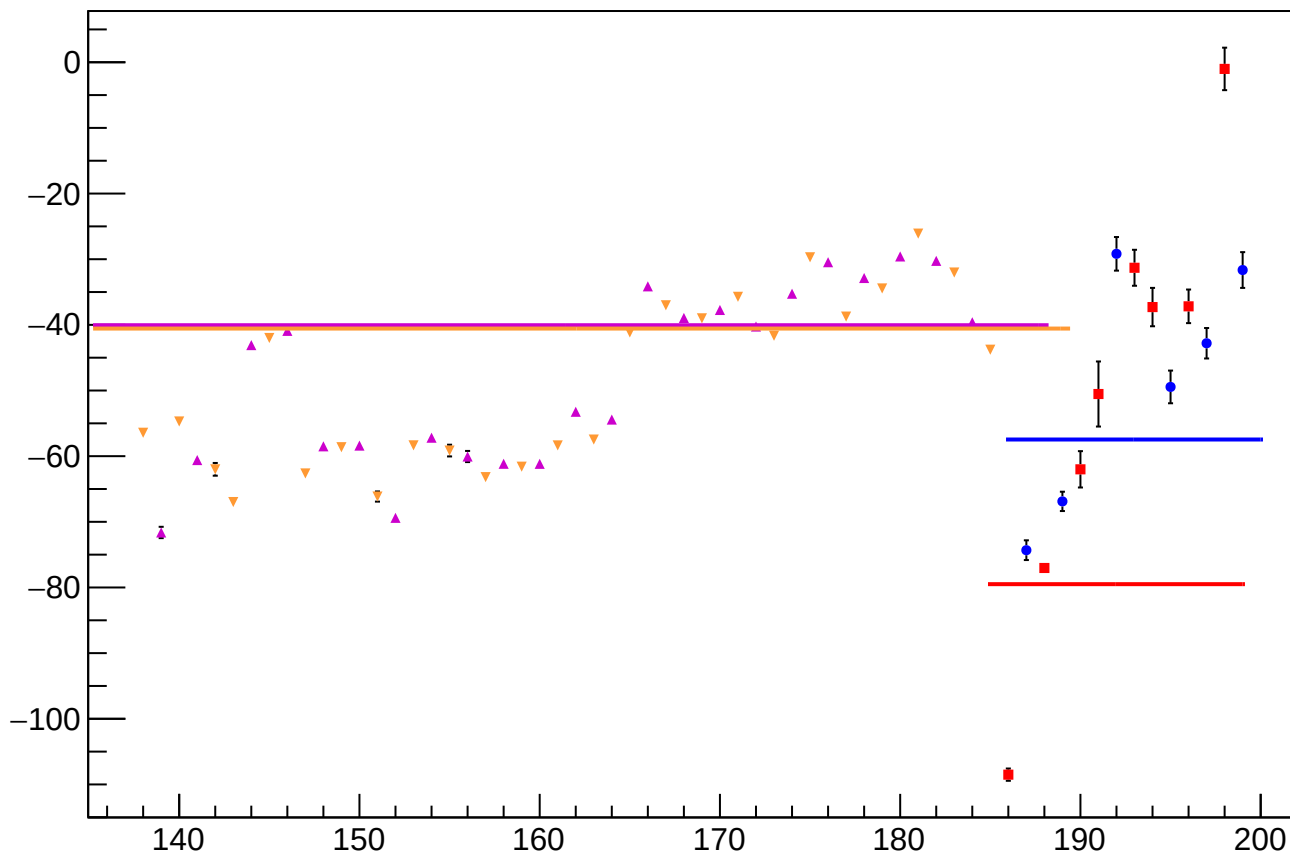
Left In: 6.914 ± 0.078 $\chi^2/\text{NDF}: 2428.2/22$

+ sign 6.995 ± 0.077 $\chi^2/\text{NDF}: 2745.2/30$

All: 6.906 ± 0.055 $\chi^2/\text{NDF}: 5382.5/61$

- sign 6.815 ± 0.077 $\chi^2/\text{NDF}: 2634.6/30$

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -57.462 ± 0.806 $\chi^2/\text{NDF}: 428.9/5$

Left Out: -40.563 ± 0.095 $\chi^2/\text{NDF}: 15637.6/24$

Right Out: -79.495 ± 0.528 $\chi^2/\text{NDF}: 2426.3/7$

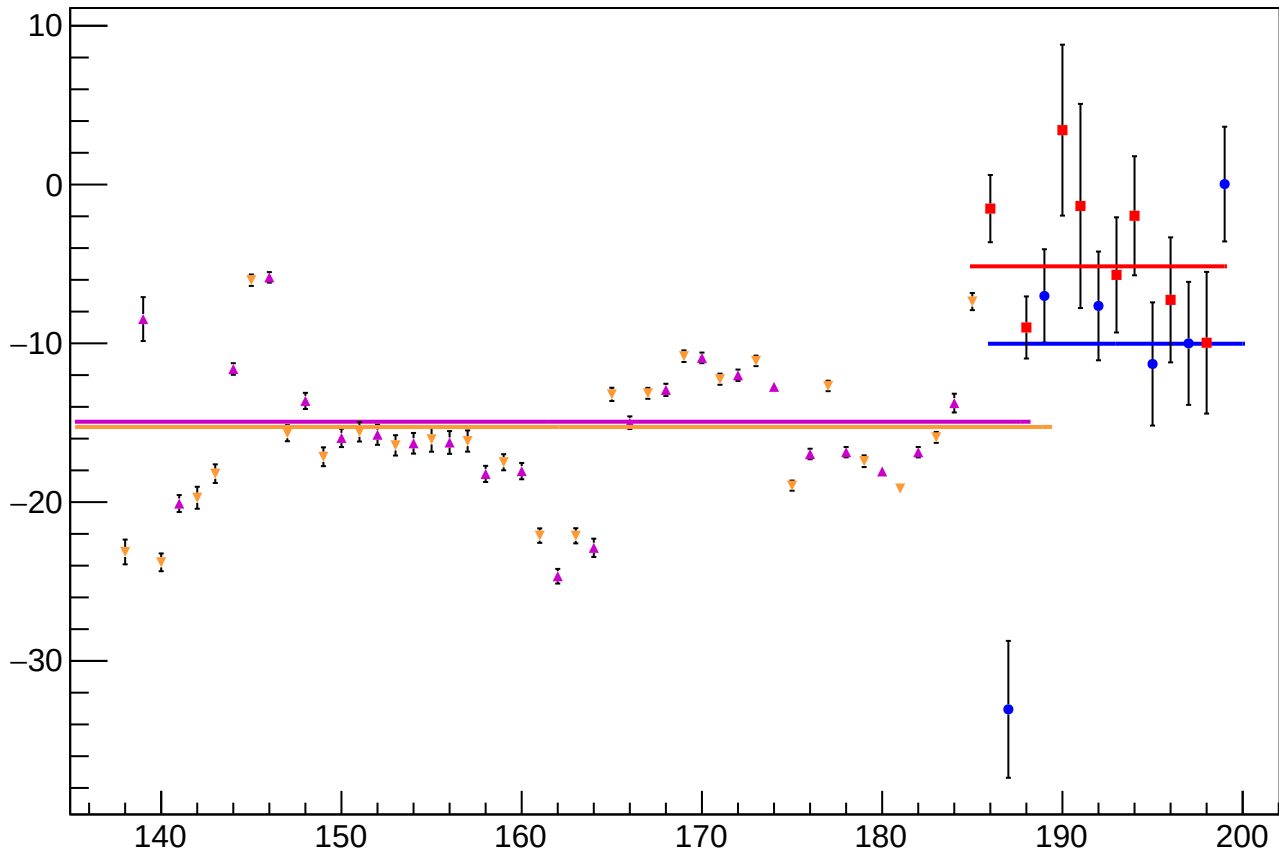
Left In: -40.053 ± 0.096 $\chi^2/\text{NDF}: 13927.3/22$

+ sign -40.793 ± 0.094 $\chi^2/\text{NDF}: 16499.9/30$

All: -41.049 ± 0.067 $\chi^2/\text{NDF}: 38264.7/61$

- sign -41.305 ± 0.094 $\chi^2/\text{NDF}: 21750.0/30$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -10.025 ± 1.467 χ^2/NDF : 37.9/5

Left Out: -15.266 ± 0.086 χ^2/NDF : 2595.5/24

Right Out: -5.151 ± 1.114 χ^2/NDF : 11.9/7

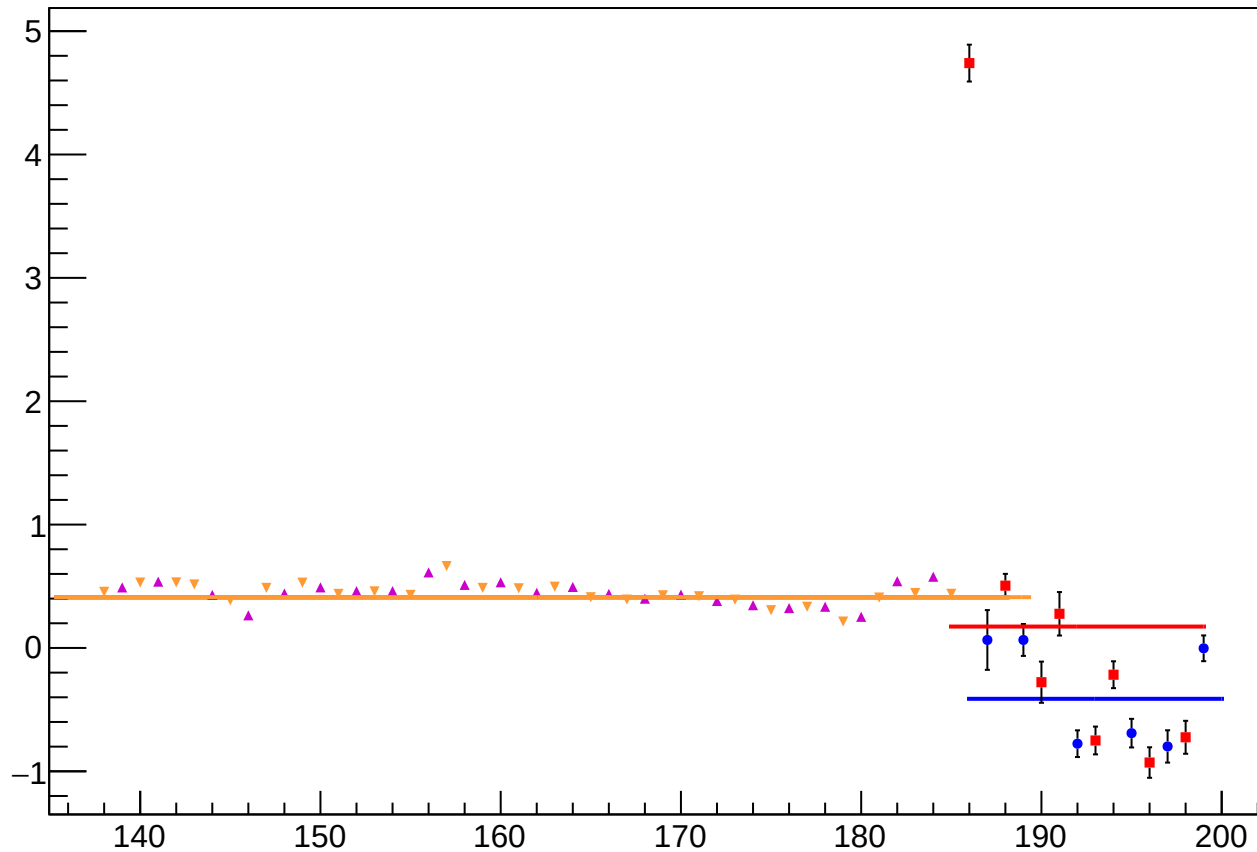
Left In: -14.936 ± 0.087 χ^2/NDF : 2199.7/22

+ sign -15.248 ± 0.086 χ^2/NDF : 2646.1/30

All: -15.064 ± 0.061 χ^2/NDF : 4943.6/61

- sign -14.877 ± 0.087 χ^2/NDF : 2288.3/30

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: -0.412 ± 0.051 χ^2/NDF : 58.6/5

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.7/24

Right Out: 0.173 ± 0.044 χ^2/NDF : 1159.4/7

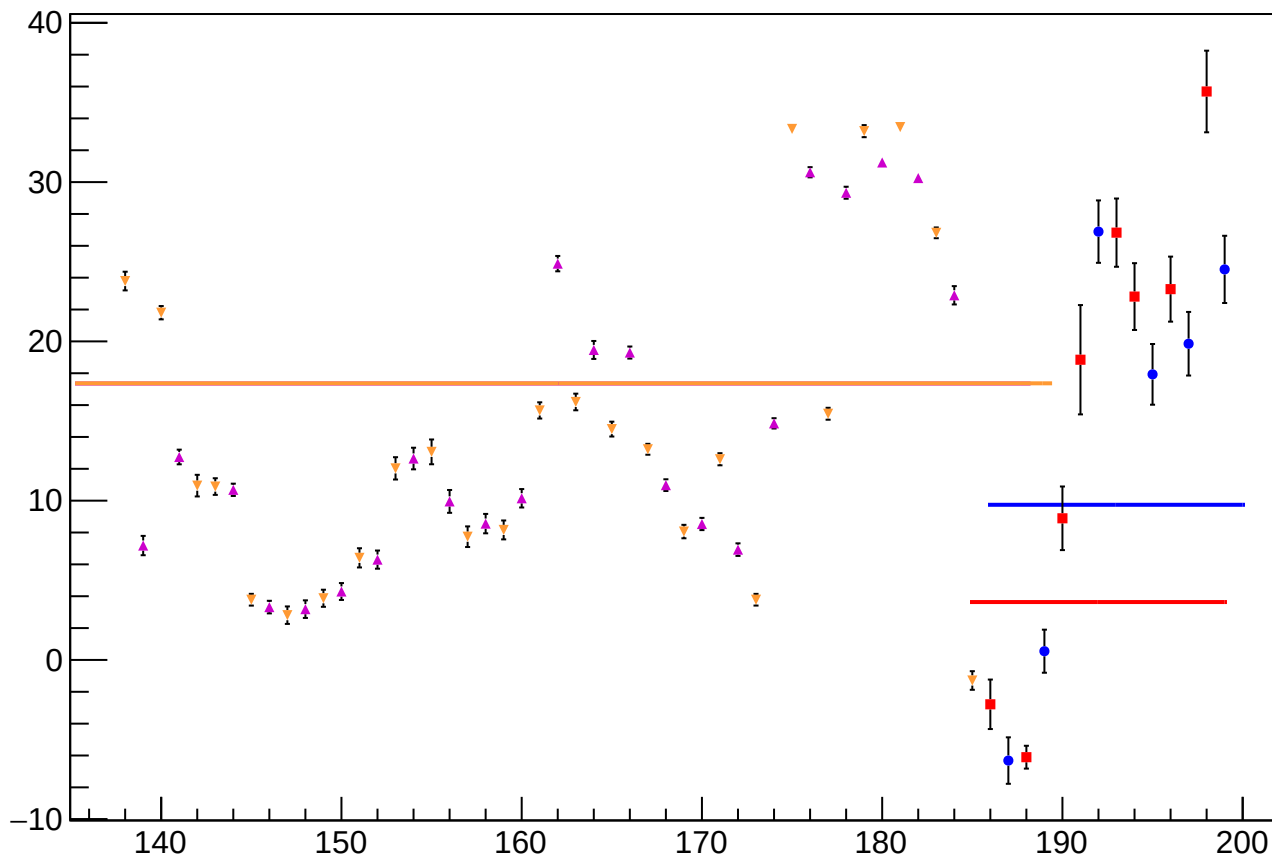
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.407 ± 0.004 χ^2/NDF : 747.8/30

All: 0.407 ± 0.003 χ^2/NDF : 2493.0/61

- sign 0.408 ± 0.004 χ^2/NDF : 1745.2/30

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 9.741 ± 0.702 $\chi^2/\text{NDF}: 337.2/5$

Left Out: 17.367 ± 0.087 $\chi^2/\text{NDF}: 16337.6/24$

Right Out: 3.635 ± 0.532 $\chi^2/\text{NDF}: 678.2/7$

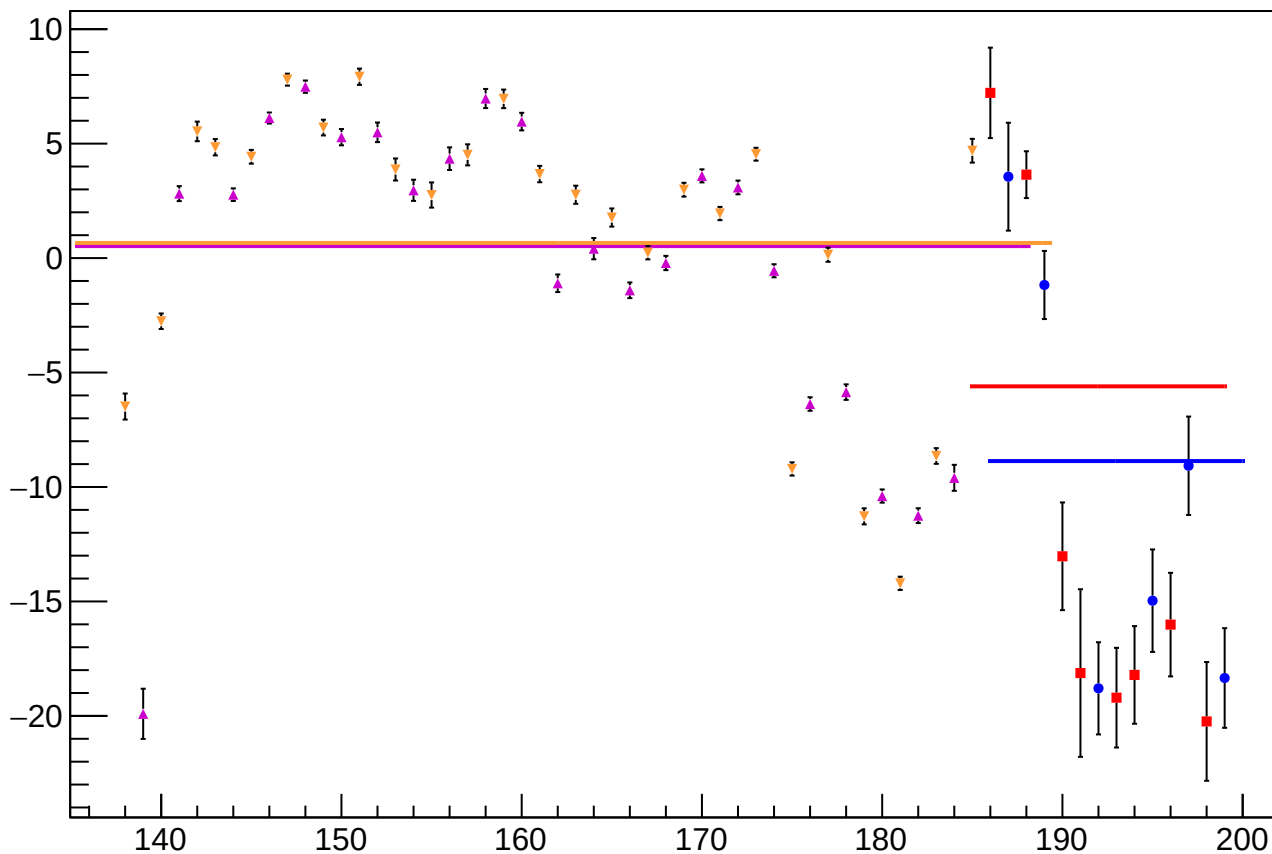
Left In: 17.355 ± 0.089 $\chi^2/\text{NDF}: 12745.1/22$

+ sign 17.252 ± 0.086 $\chi^2/\text{NDF}: 16791.1/30$

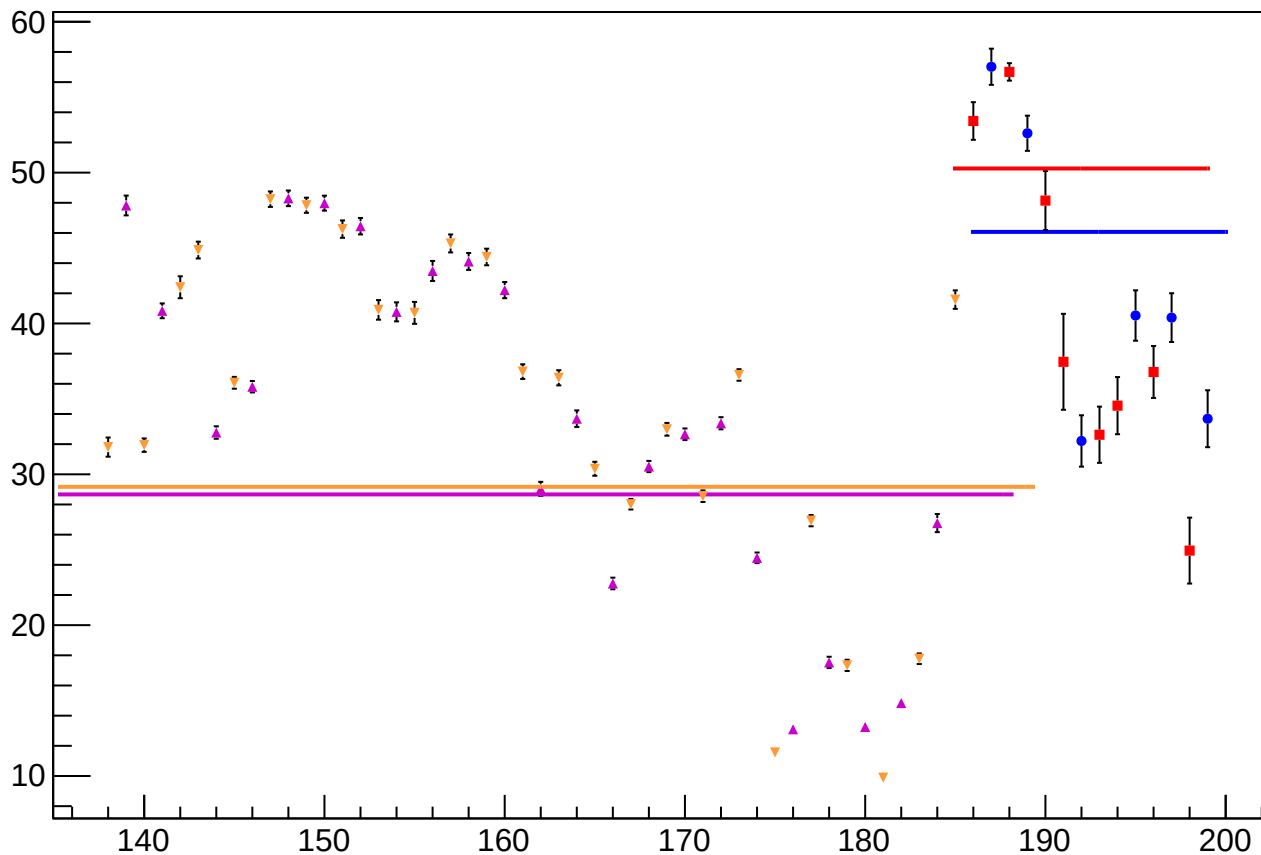
All: 17.119 ± 0.062 $\chi^2/\text{NDF}: 30866.3/61$

- sign 16.982 ± 0.088 $\chi^2/\text{NDF}: 14070.4/30$

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 46.071 $\pm$ 0.598 χ^2 /NDF: 247.5/5

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 50.274 $\pm$ 0.443 χ^2 /NDF: 500.8/7

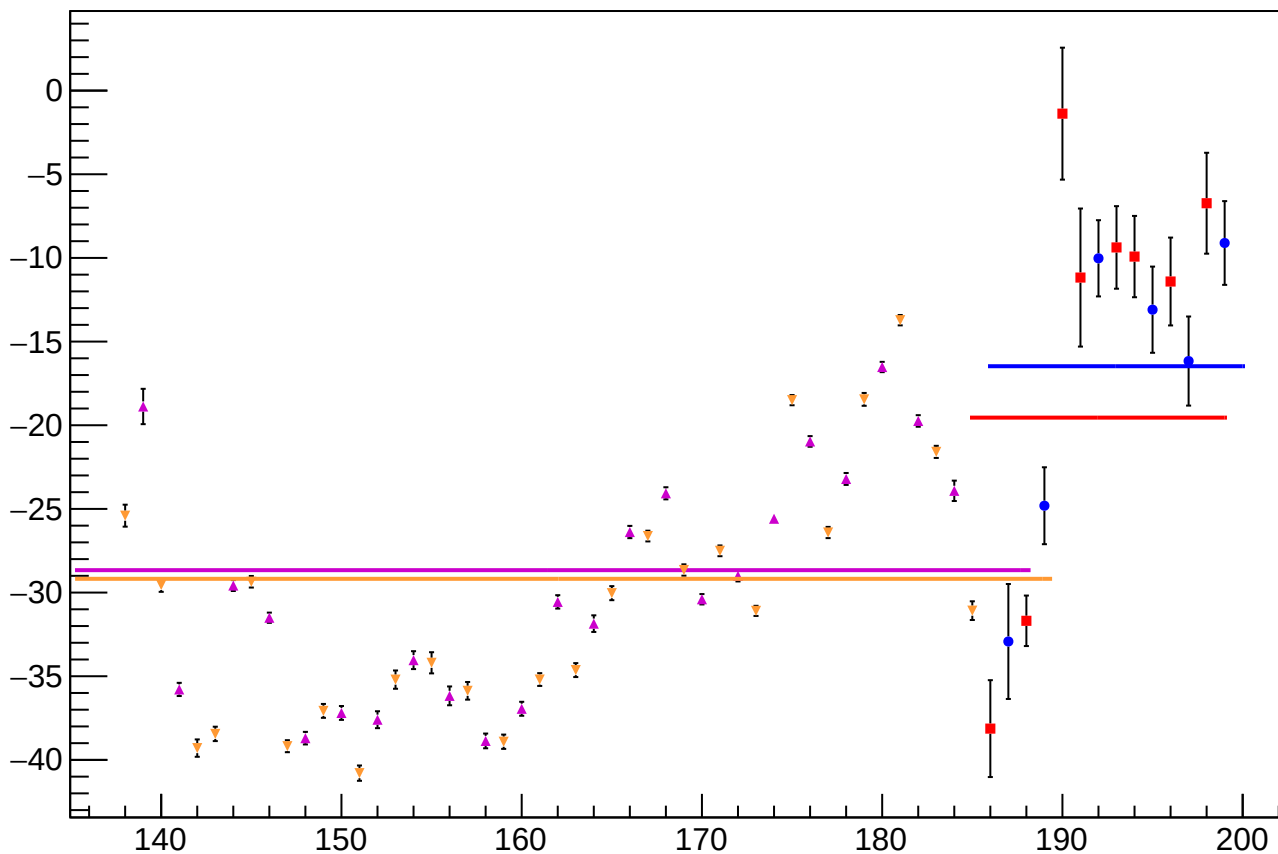
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 29.528 $\pm$ 0.087 χ^2 /NDF: 20004.3/30

All: 29.518 $\pm$ 0.062 χ^2 /NDF: 39642.2/61

- sign 29.509 $\pm$ 0.087 χ^2 /NDF: 19637.9/30

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -16.473 $\pm$ 1.044 χ^2/NDF : 54.5/5

Left Out: -29.178 $\pm$ 0.078 χ^2/NDF :9081.4/24

Right Out: -19.544 $\pm$ 0.887 χ^2/NDF : 191.6/7

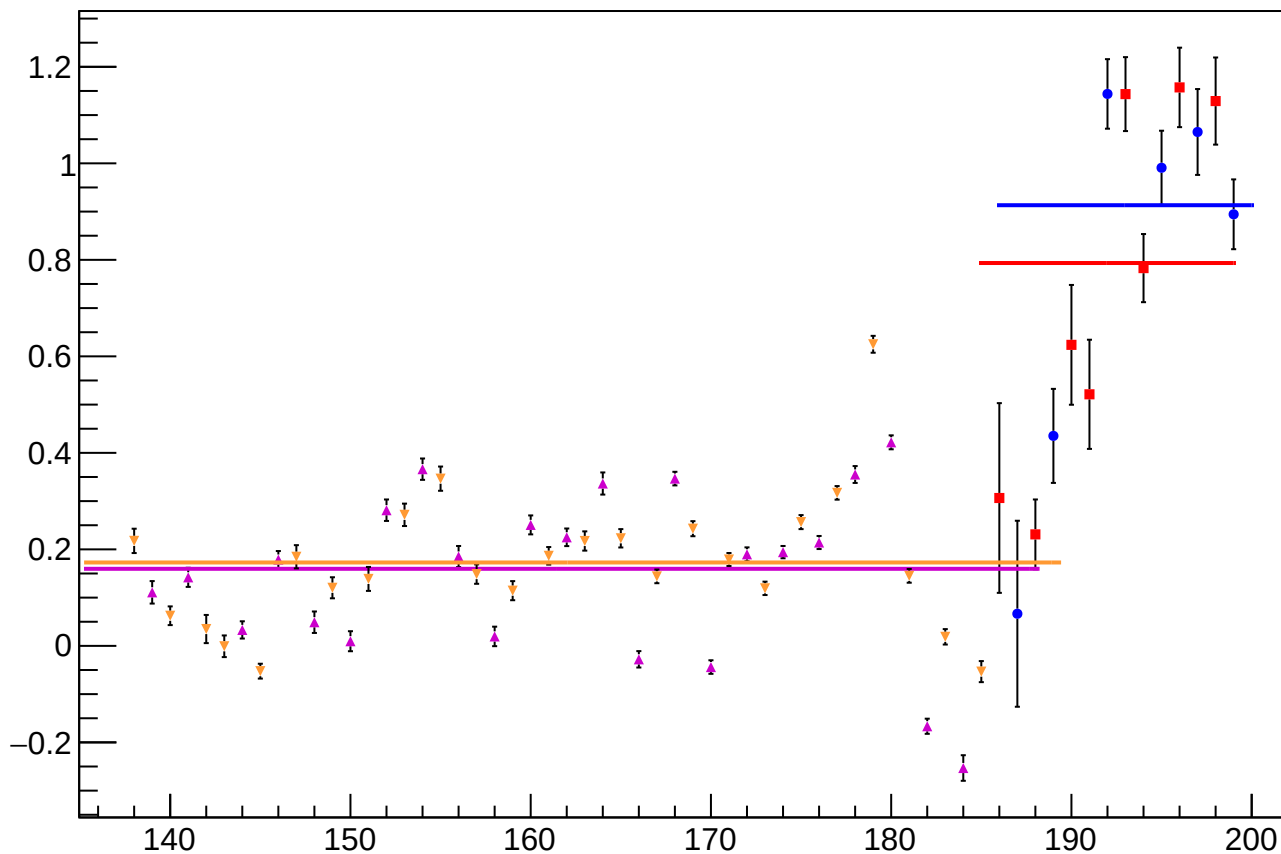
Left In: -28.660 $\pm$ 0.080 χ^2/NDF :6670.1/22

+ sign -29.107 $\pm$ 0.078 χ^2/NDF : 9283.3/30

All: -28.852 $\pm$ 0.056 χ^2/NDF : 16271.6/61

- sign -28.587 $\pm$ 0.079 χ^2/NDF : 6966.5/30

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.913 $\pm$ 0.035 χ^2/NDF : 57.6/5

Left Out: 0.173 $\pm$ 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.793 $\pm$ 0.032 χ^2/NDF : 128.5/7

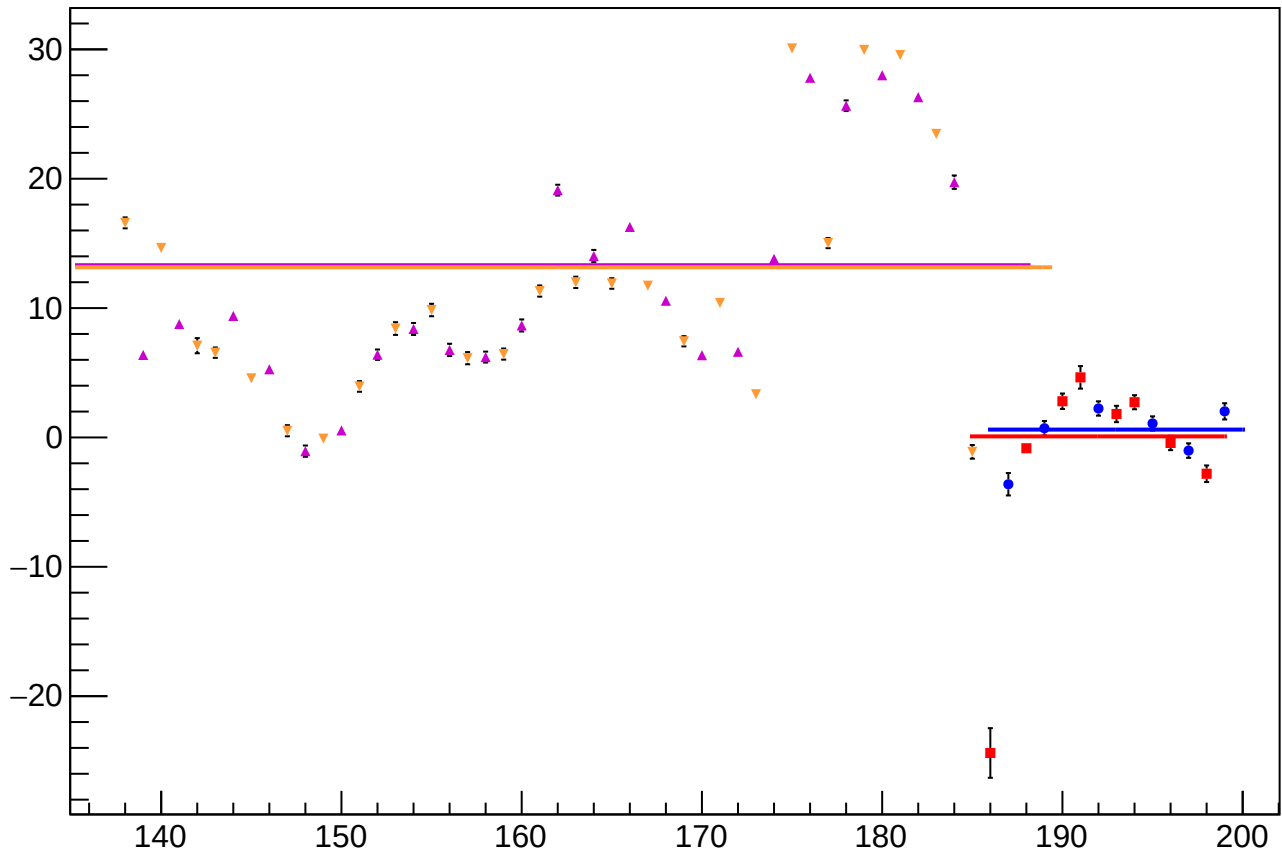
Left In: 0.160 $\pm$ 0.004 χ^2/NDF : 2057.9/22

+ sign 0.180 $\pm$ 0.004 χ^2/NDF : 1976.5/30

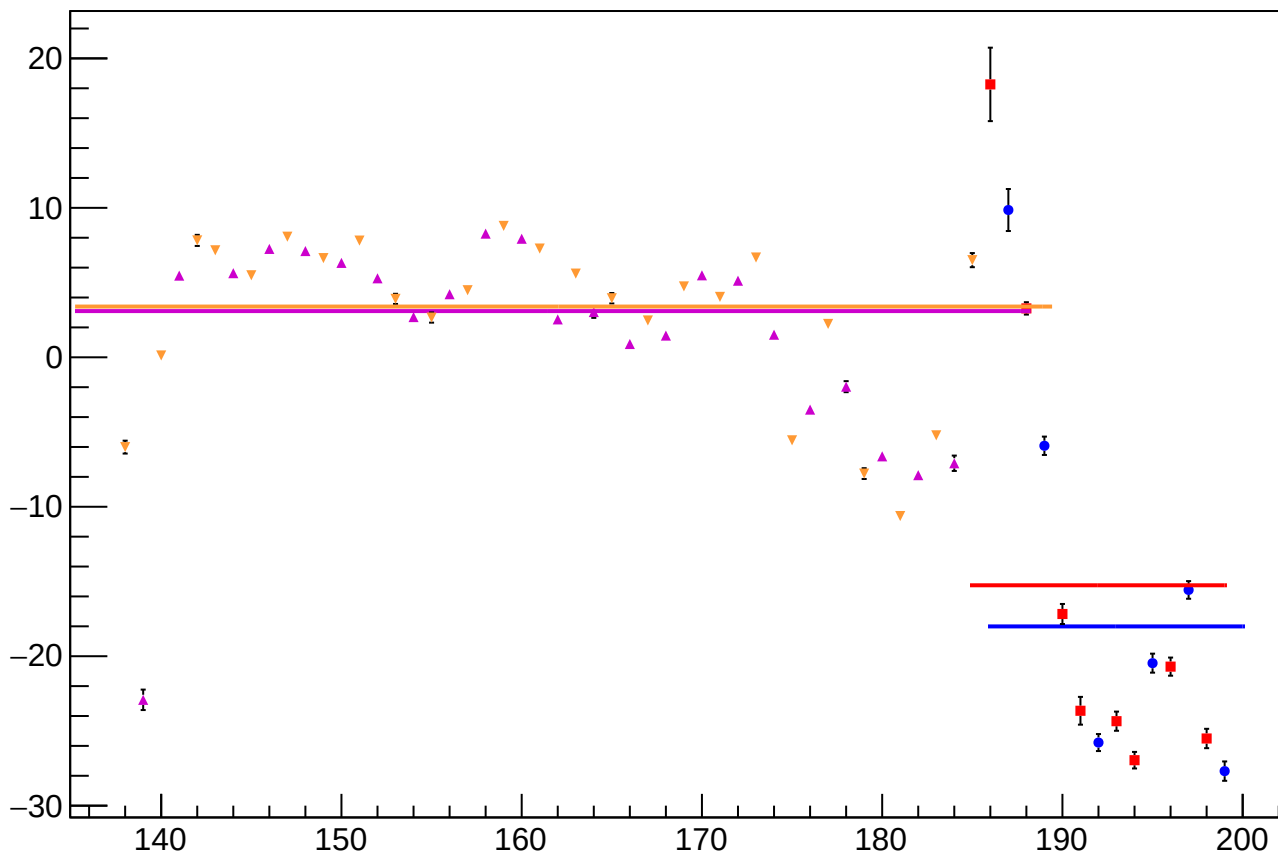
All: 0.174 $\pm$ 0.003 χ^2/NDF : 4565.5/61

- sign 0.168 $\pm$ 0.004 χ^2/NDF : 2583.1/30

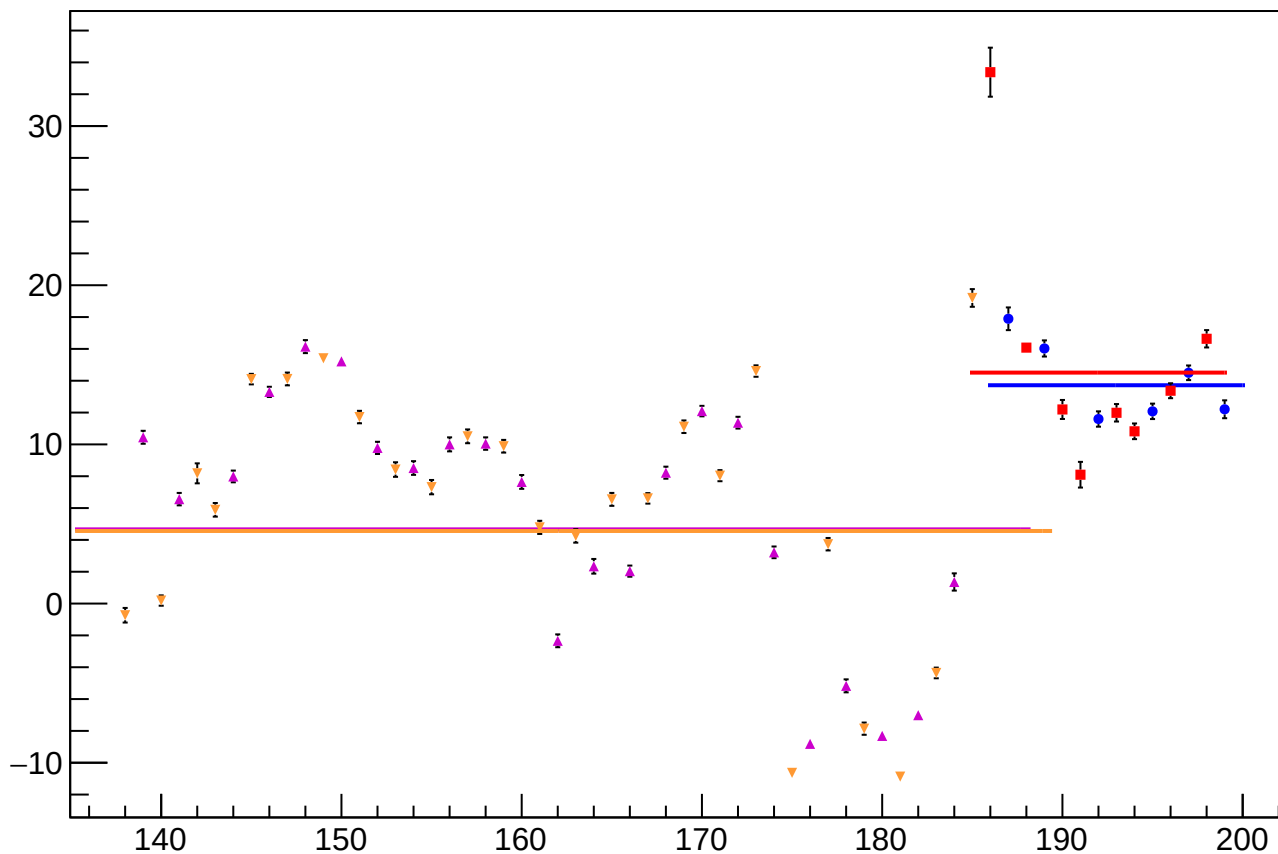
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.717 $\pm$ 0.212 χ^2 /NDF: 95.9/5

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 14.511 $\pm$ 0.160 χ^2 /NDF: 373.9/7

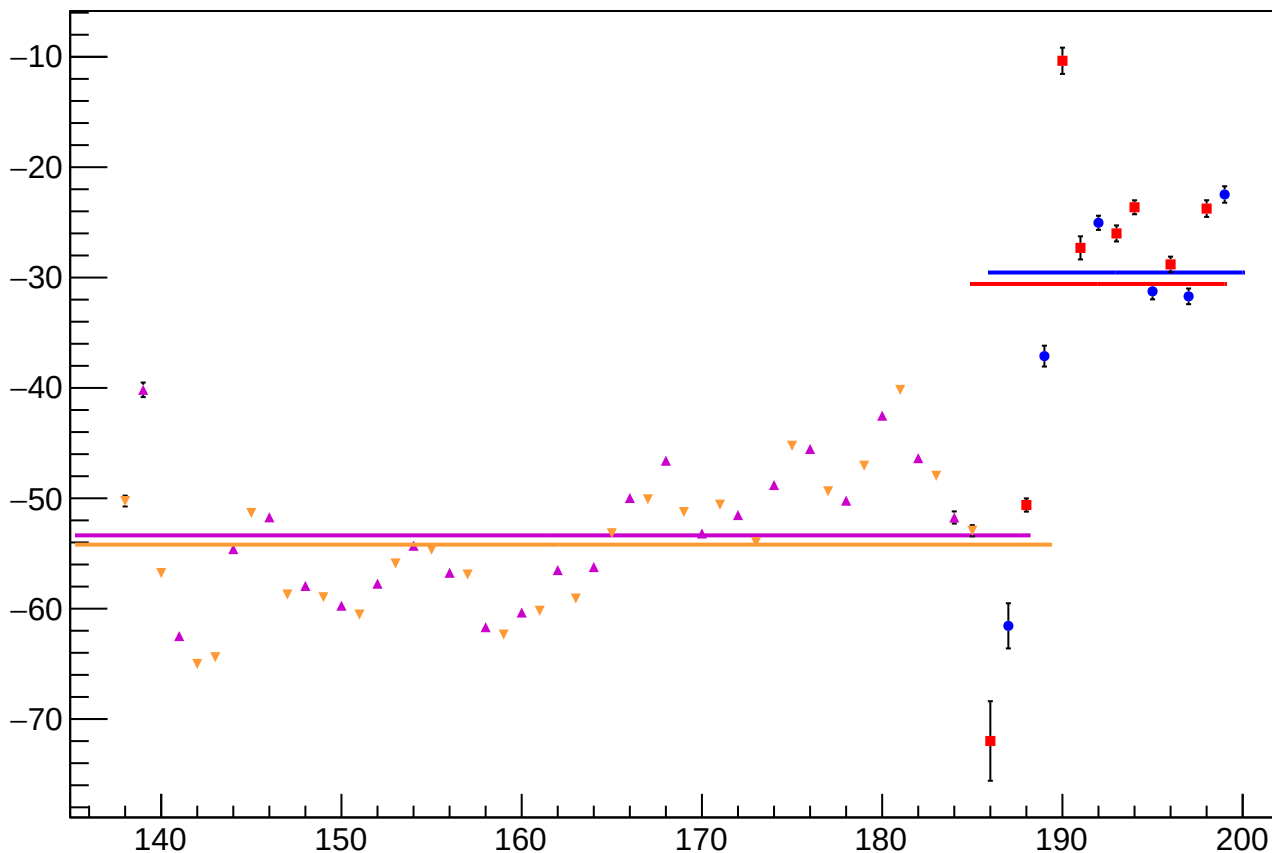
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 5.591 $\pm$ 0.071 χ^2 /NDF: 15347.6/30

All: 6.064 $\pm$ 0.050 χ^2 /NDF: 30179.1/61

- sign 6.513 $\pm$ 0.069 χ^2 /NDF: 14745.1/30

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -29.543 ± 0.325 $\chi^2/\text{NDF}: 462.7/5$

Left Out: -54.199 ± 0.066 $\chi^2/\text{NDF}: 8454.7/24$

Right Out: -30.580 ± 0.281 $\chi^2/\text{NDF}: 1798.7/7$

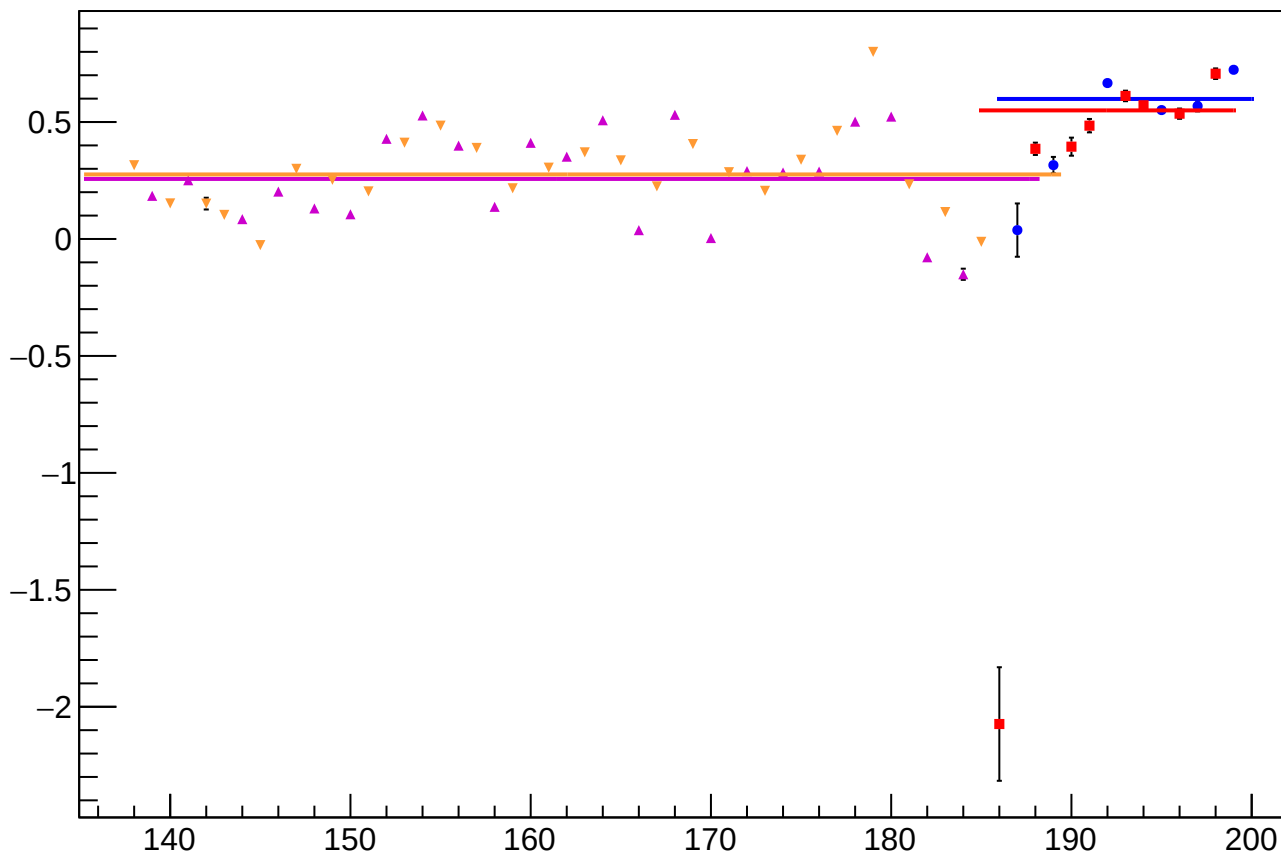
Left In: -53.359 ± 0.068 $\chi^2/\text{NDF}: 6882.0/22$

+ sign -53.214 ± 0.065 $\chi^2/\text{NDF}: 14427.0/30$

All: -52.660 ± 0.047 $\chi^2/\text{NDF}: 29464.8/61$

- sign -52.081 ± 0.067 $\chi^2/\text{NDF}: 14889.4/30$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.599 ± 0.010 χ^2/NDF : 140.4/5

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.550 ± 0.009 χ^2/NDF : 234.4/7

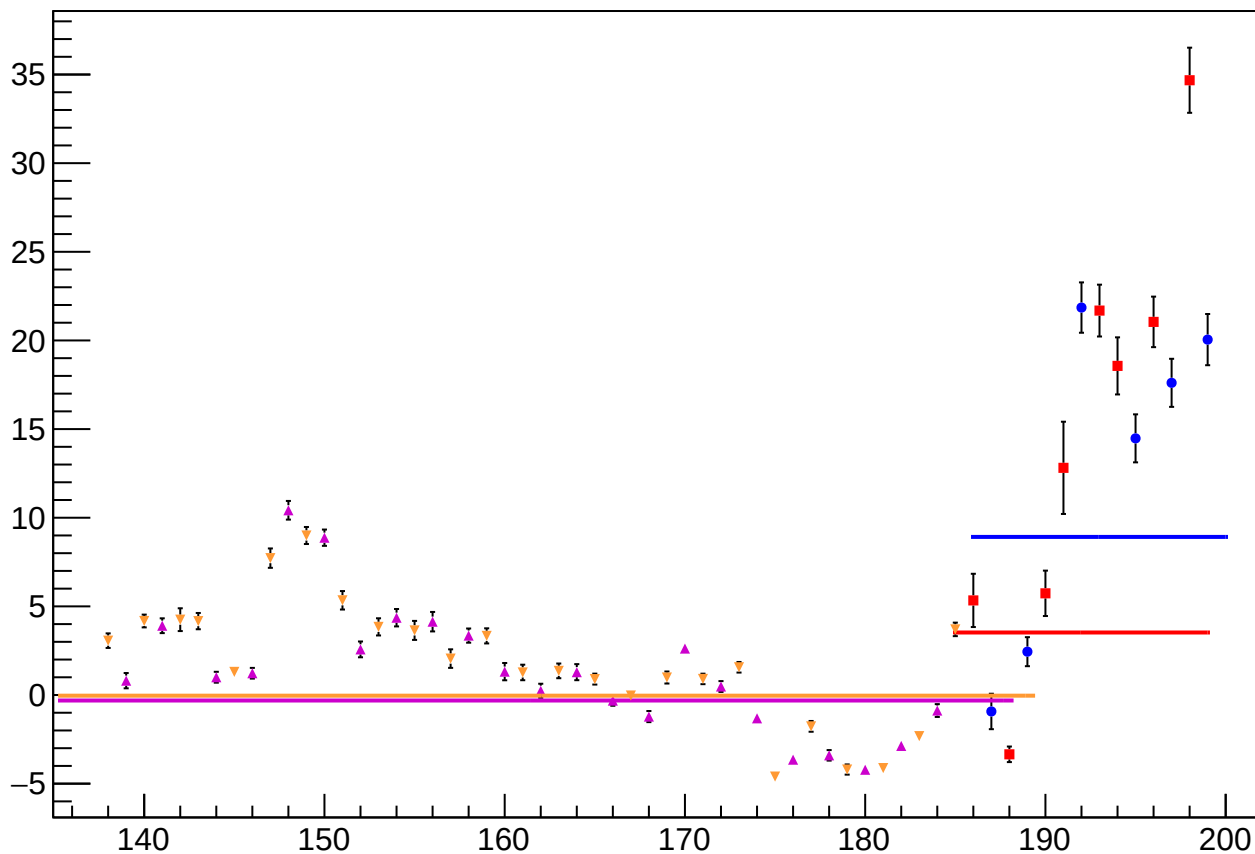
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.302 ± 0.003 χ^2/NDF : 3675.5/30

All: 0.295 ± 0.002 χ^2/NDF : 8490.9/61

- sign 0.288 ± 0.003 χ^2/NDF : 4803.3/30

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 8.918 ± 0.468 χ^2/NDF : 359.8/5

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: 3.526 ± 0.353 χ^2/NDF : 942.3/7

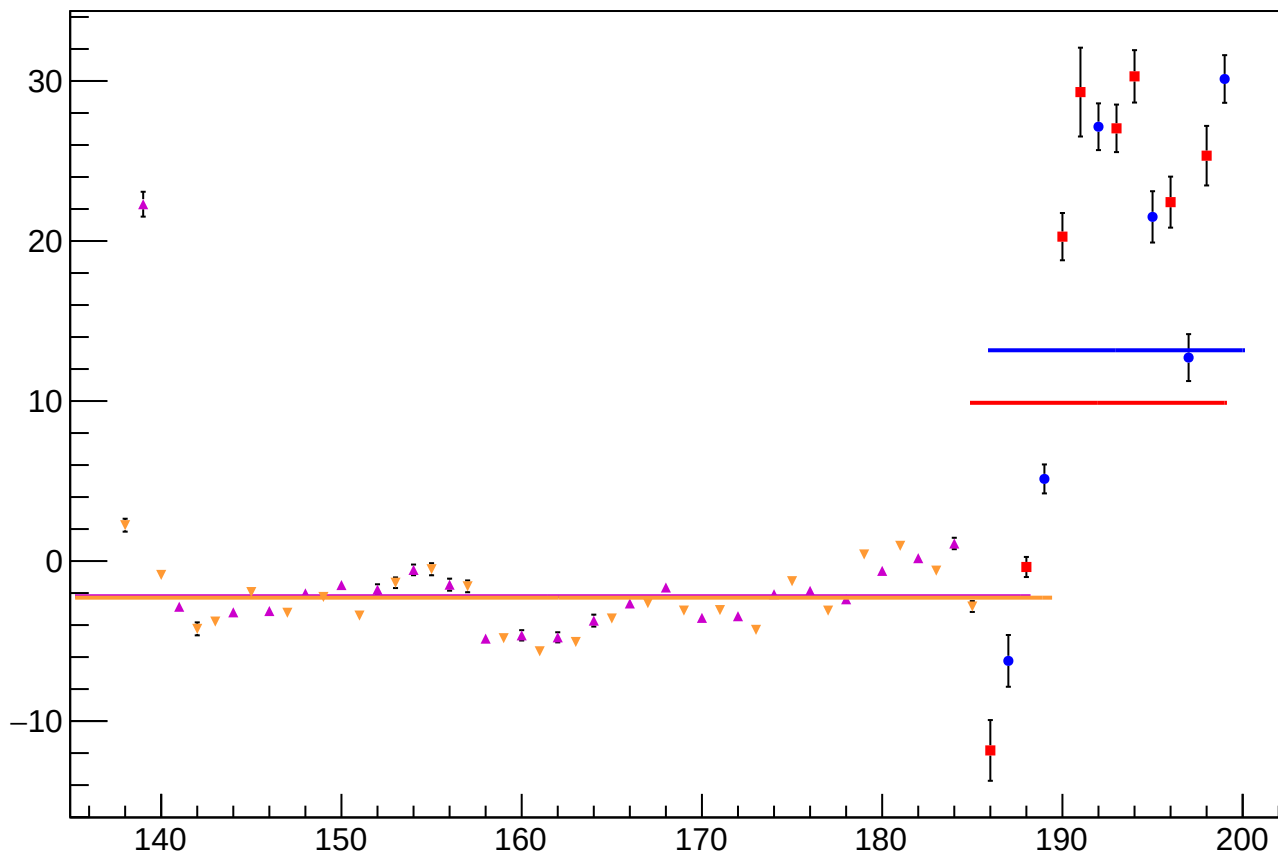
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign 0.137 ± 0.065 χ^2/NDF : 3355.8/30

All: -0.017 ± 0.046 χ^2/NDF : 6674.0/61

- sign -0.175 ± 0.066 χ^2/NDF : 3306.9/30

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 13.172 $\pm$ 0.544 χ^2 /NDF: 471.1/5

Left Out: -2.288 $\pm$ 0.054 χ^2 /NDF:1137.7/24

Right Out: 9.889 $\pm$ 0.451 χ^2 /NDF: 915.8/7

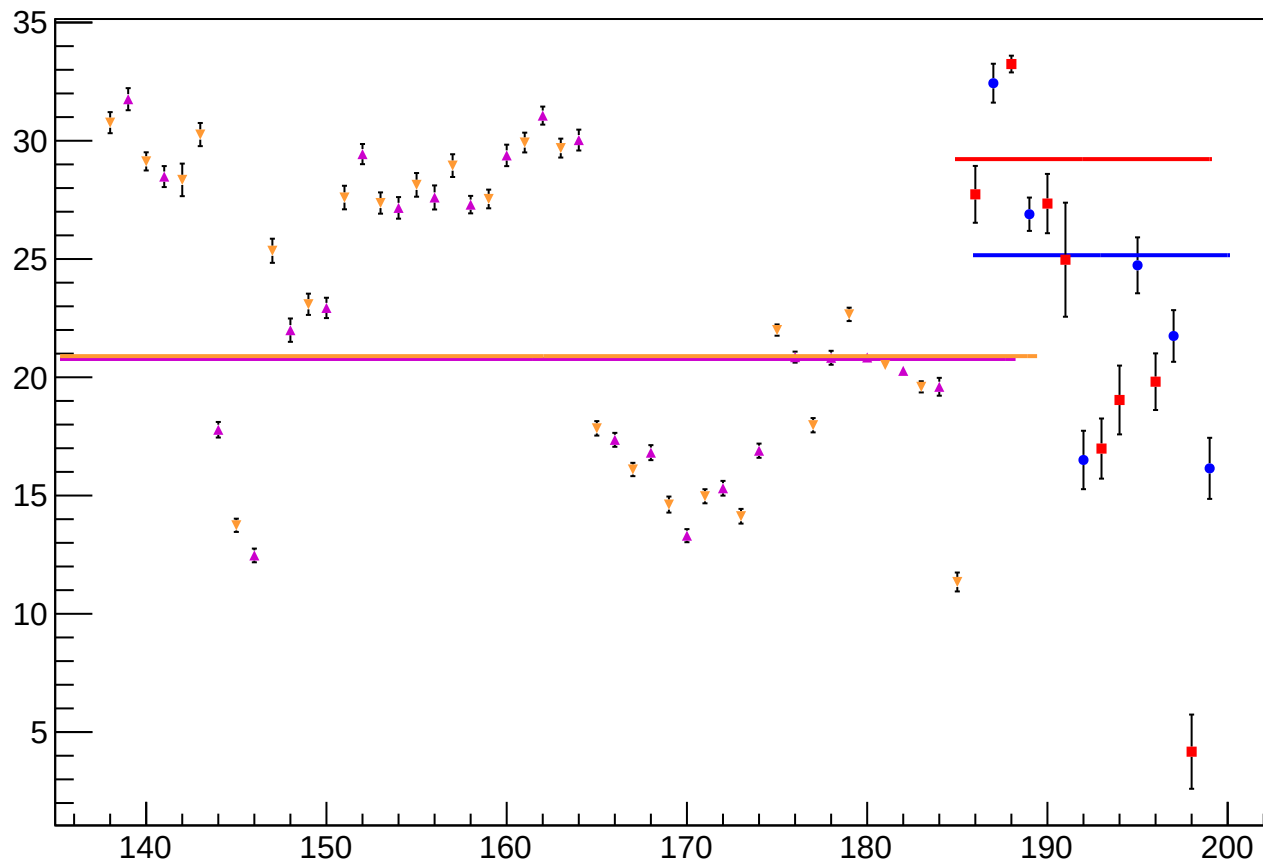
Left In: -2.198 $\pm$ 0.055 χ^2 /NDF:1673.9/22

+ sign -2.137 $\pm$ 0.054 χ^2 /NDF: 2407.9/30

All: -2.079 $\pm$ 0.038 χ^2 /NDF: 5706.9/61

- sign -2.020 $\pm$ 0.055 χ^2 /NDF: 3296.7/30

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 25.161 $\pm$ 0.398 χ^2 /NDF: 192.1/5

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF: 6655.4/24

Right Out: 29.224 $\pm$ 0.293 χ^2 /NDF: 594.2/7

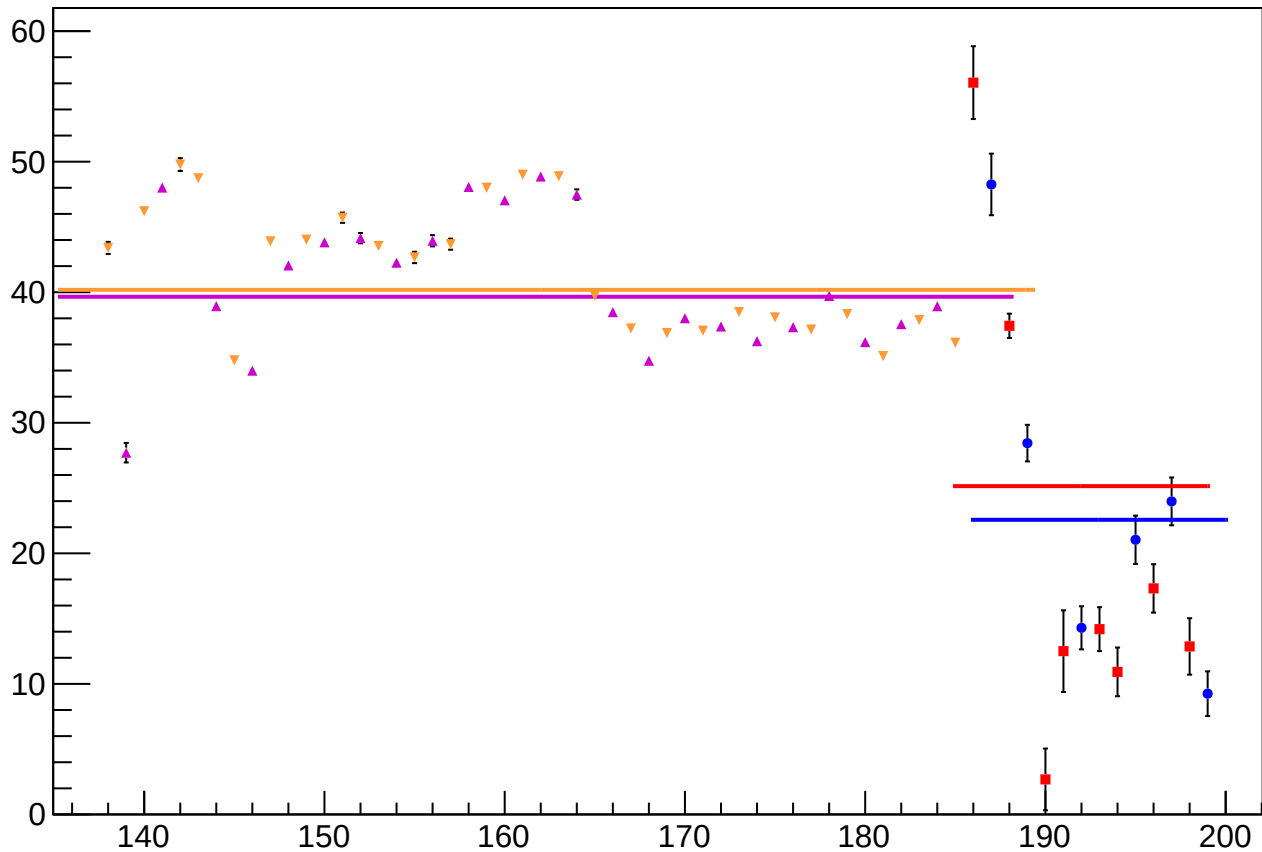
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF: 5927.9/22

+ sign 21.010 $\pm$ 0.066 χ^2 /NDF: 6959.0/30

All: 21.106 $\pm$ 0.047 χ^2 /NDF: 14276.9/61

- sign 21.202 $\pm$ 0.066 χ^2 /NDF: 7313.7/30

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 22.570 $\pm$ 0.710 χ^2 /NDF: 223.1/5

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 25.147 $\pm$ 0.607 χ^2 /NDF: 554.4/7

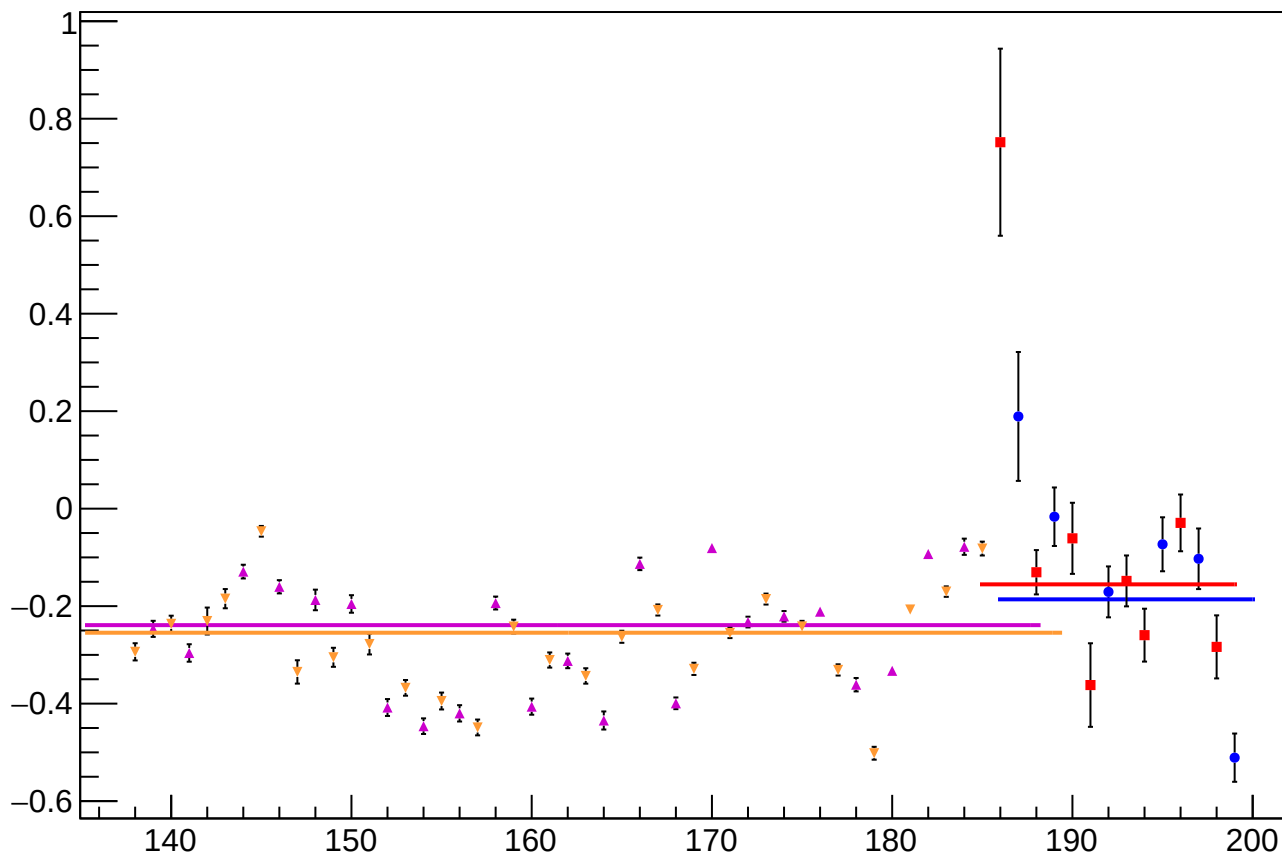
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 40.059 $\pm$ 0.060 χ^2 /NDF: 6767.7/30

All: 39.788 $\pm$ 0.043 χ^2 /NDF: 13226.9/61

- sign 39.508 $\pm$ 0.061 χ^2 /NDF: 6417.9/30

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.186 ± 0.024 χ^2/NDF : 65.1/5

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.155 ± 0.022 χ^2/NDF : 42.5/7

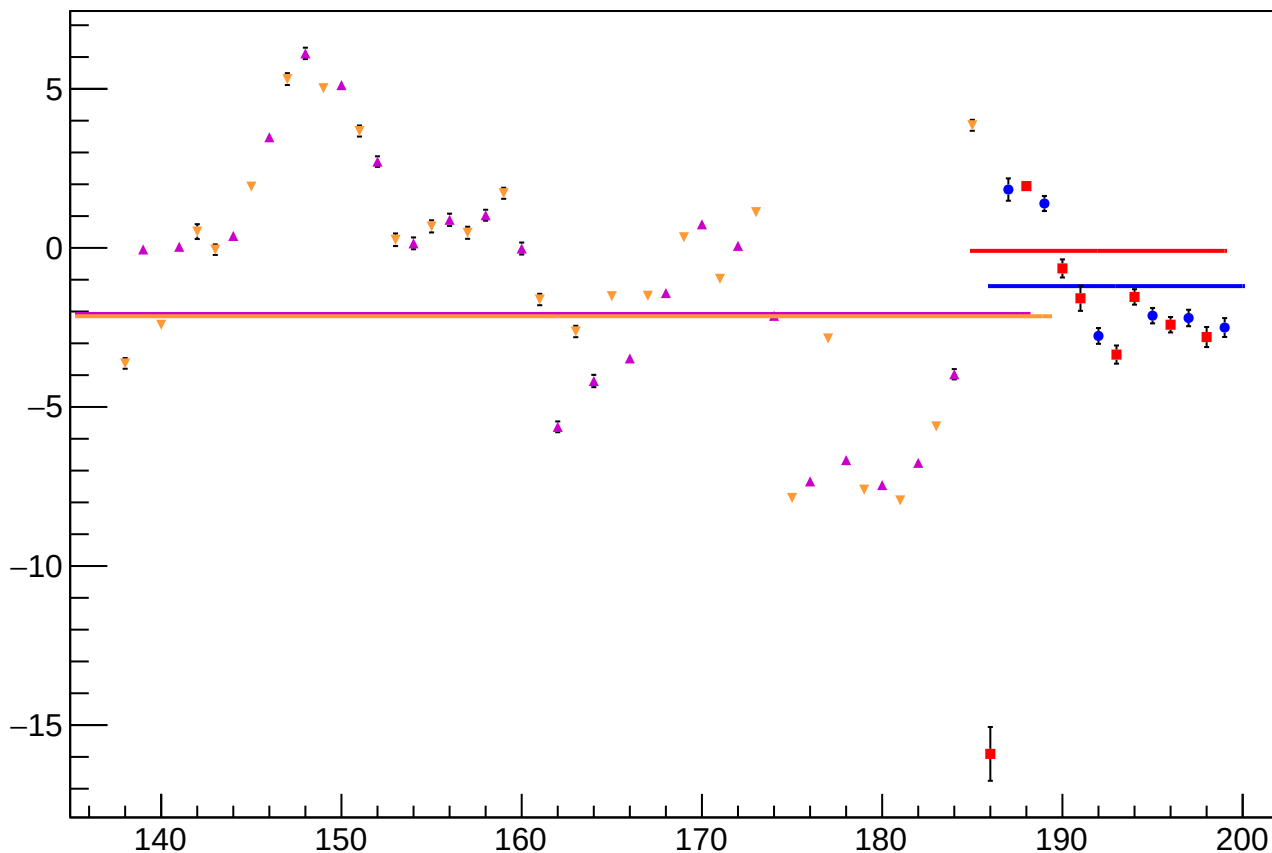
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.254 ± 0.003 χ^2/NDF : 1493.4/30

All: -0.246 ± 0.002 χ^2/NDF : 3317.6/61

- sign -0.238 ± 0.003 χ^2/NDF : 1807.2/30

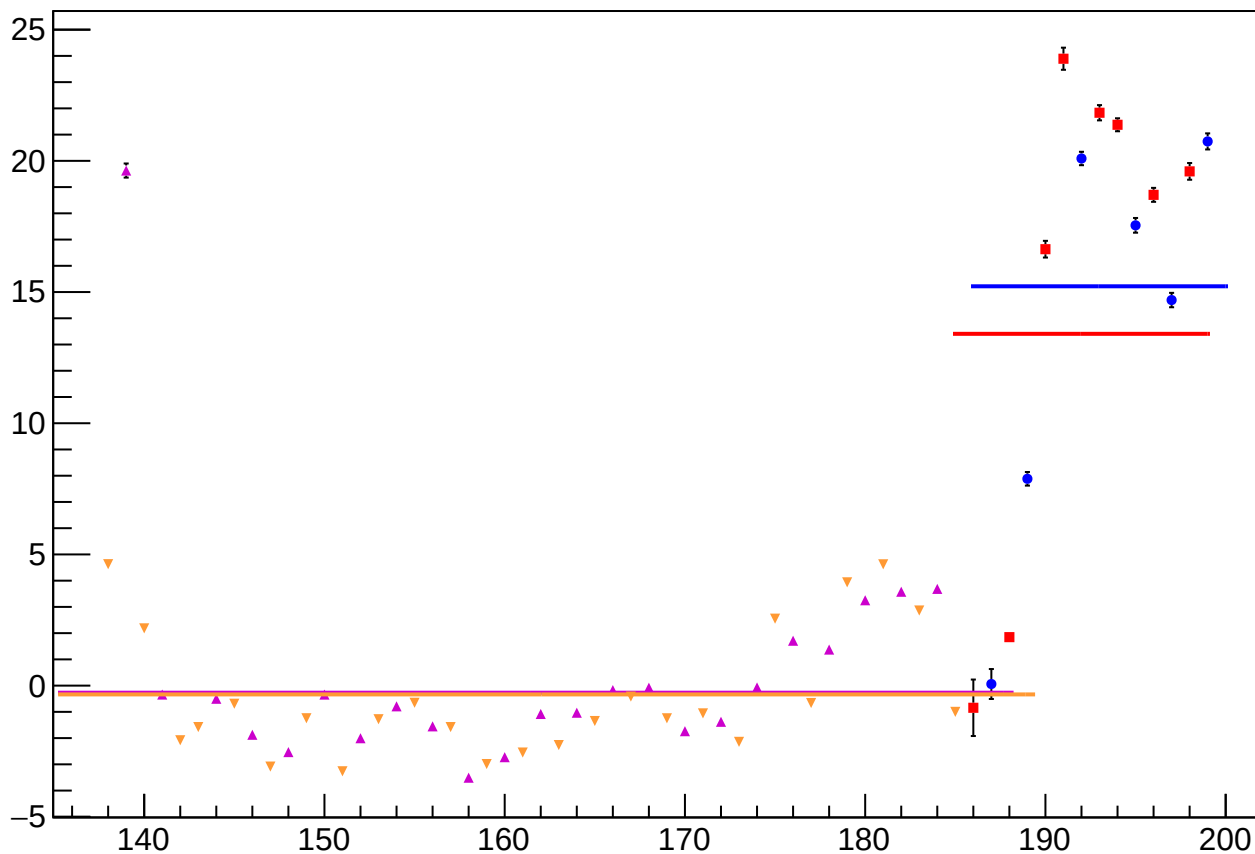
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.201 ± 0.108 χ^2/NDF : 282.9/5
 Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24
 Right Out: -0.093 ± 0.079 χ^2/NDF : 1042.7/7
 Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.098 ± 0.025 χ^2/NDF : 24891.7/30
 All: -1.990 ± 0.018 χ^2/NDF : 49784.1/61
 - sign -1.884 ± 0.025 χ^2/NDF : 24855.3/30

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 15.219+/-0.120 χ^2/NDF : 2266.5/5

Left Out: -0.335+/-0.021 χ^2/NDF : 12596.1/24

Right Out: 13.408+/-0.097 χ^2/NDF : 8674.2/7

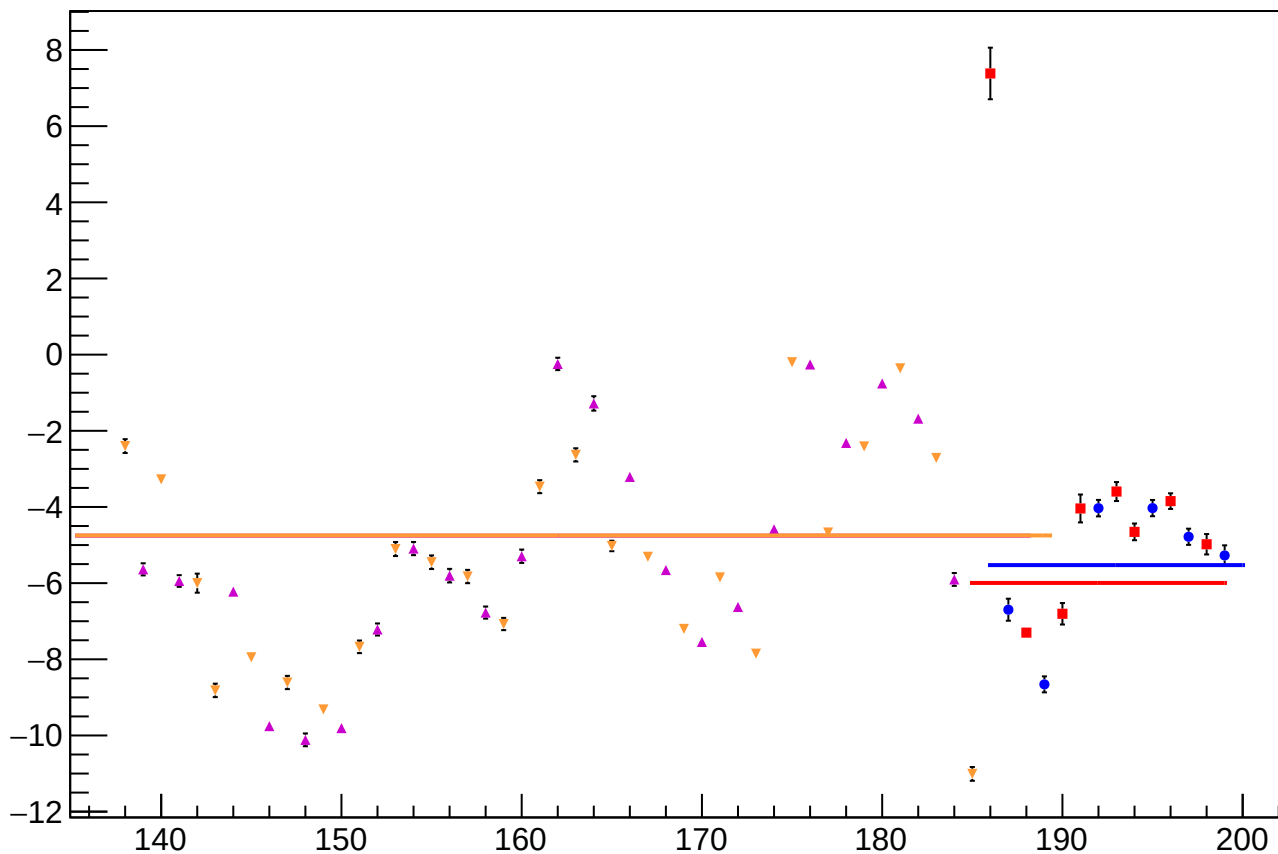
Left In: -0.269+/-0.021 χ^2/NDF : 13323.1/22

+ sign 0.112+/-0.020 χ^2/NDF : 31283.7/30

All: 0.226+/-0.014 χ^2/NDF : 72434.3/61

- sign 0.343+/-0.020 χ^2/NDF : 41086.4/30

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.526 $\pm$ 0.094 χ^2 /NDF: 348.3/5

Left Out: -4.748 $\pm$ 0.026 χ^2 /NDF:13289.8/24

Right Out: -5.995 $\pm$ 0.067 χ^2 /NDF: 896.3/7

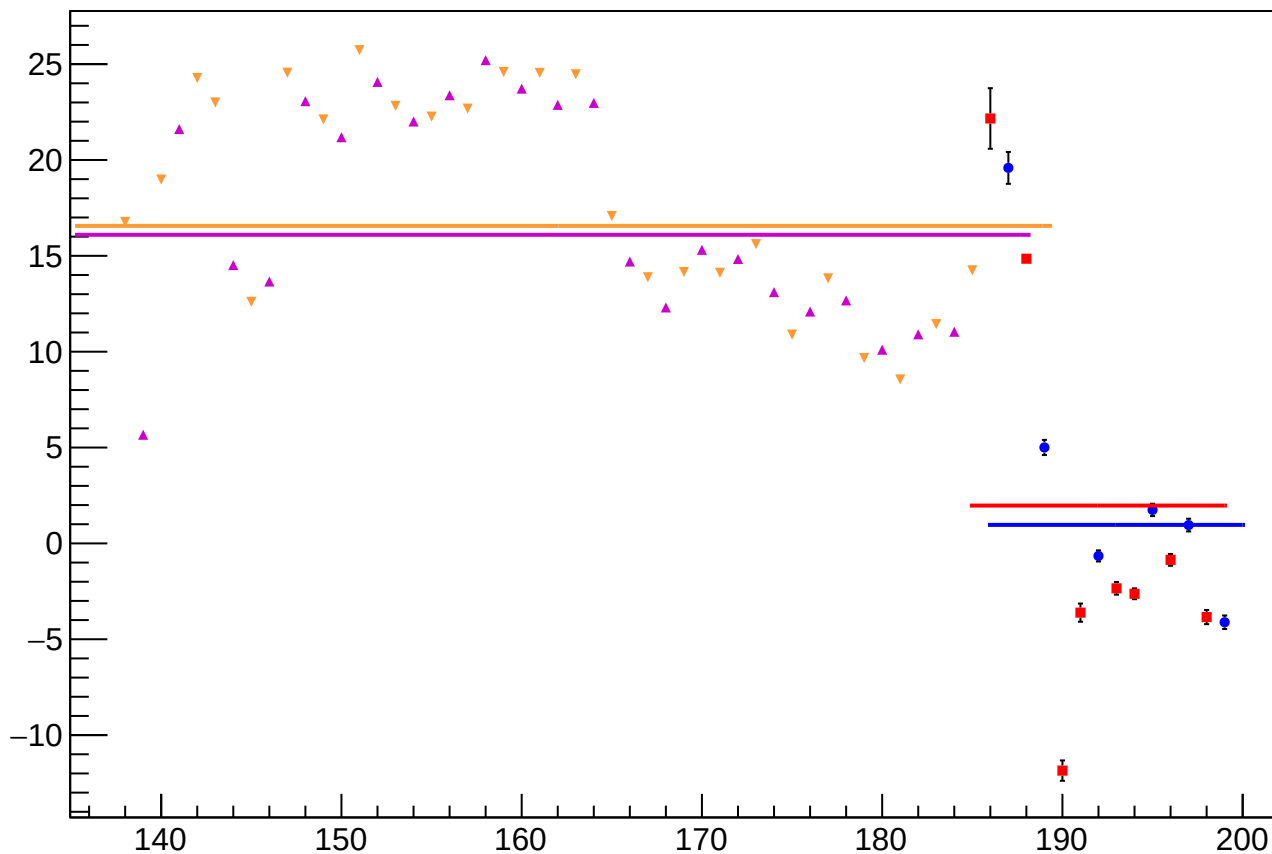
Left In: -4.753 $\pm$ 0.026 χ^2 /NDF:14119.2/22

+ sign -4.803 $\pm$ 0.025 χ^2 /NDF: 13702.3/30

All: -4.862 $\pm$ 0.017 χ^2 /NDF: 29027.2/61

- sign -4.917 $\pm$ 0.024 χ^2 /NDF: 15314.1/30

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.966 ± 0.146 χ^2/NDF : 850.8/5

Left Out: 16.563 ± 0.023 χ^2/NDF : 53858.5/24

Right Out: 1.973 ± 0.123 χ^2/NDF : 4776.7/7

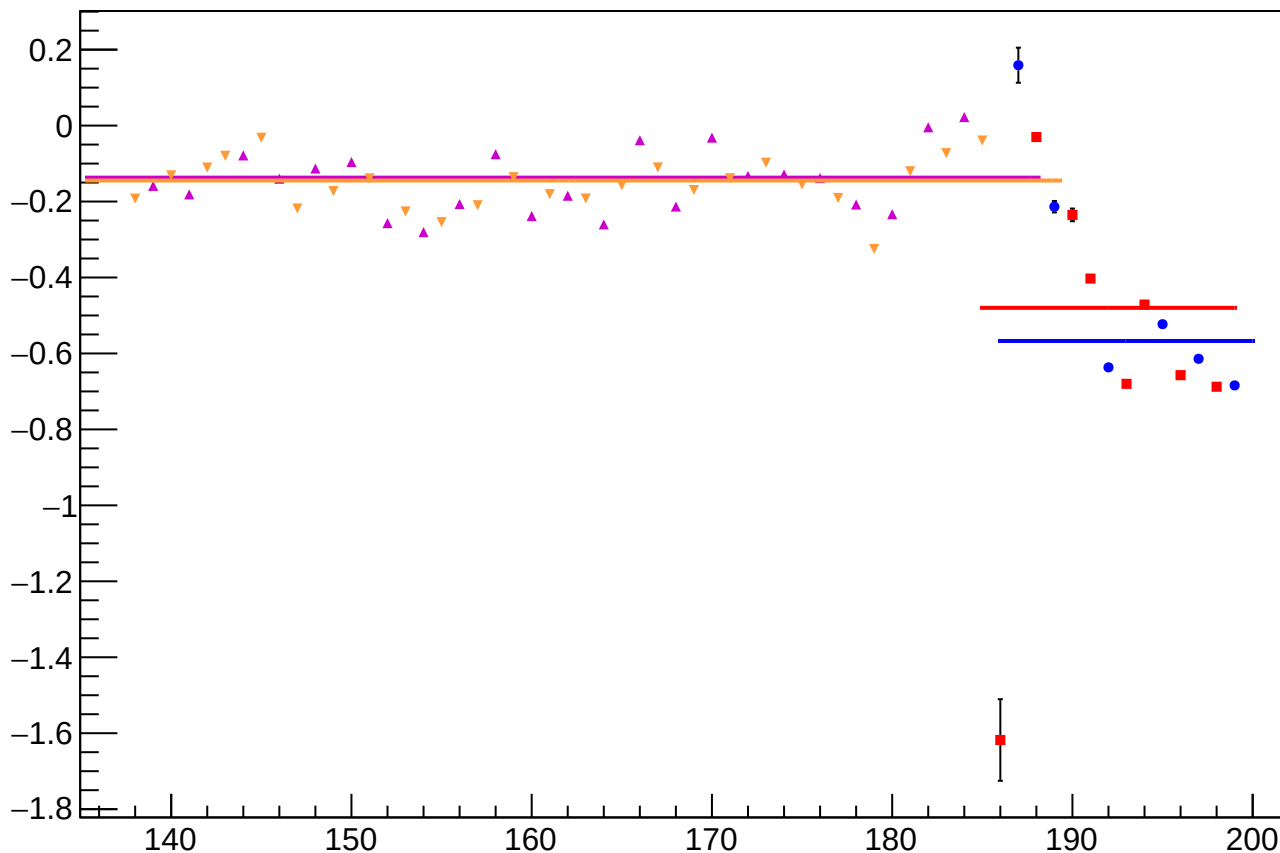
Left In: 16.098 ± 0.024 χ^2/NDF : 42345.7/22

+ sign 16.182 ± 0.023 χ^2/NDF : 65782.5/30

All: 15.893 ± 0.016 χ^2/NDF : 125973.2/61

- sign 15.597 ± 0.023 χ^2/NDF : 59867.4/30

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.567 ± 0.005 $\chi^2/\text{NDF}: 1024.4/5$

Left Out: -0.145 ± 0.001 $\chi^2/\text{NDF}: 3769.7/24$

Right Out: -0.480 ± 0.004 $\chi^2/\text{NDF}: 3296.6/7$

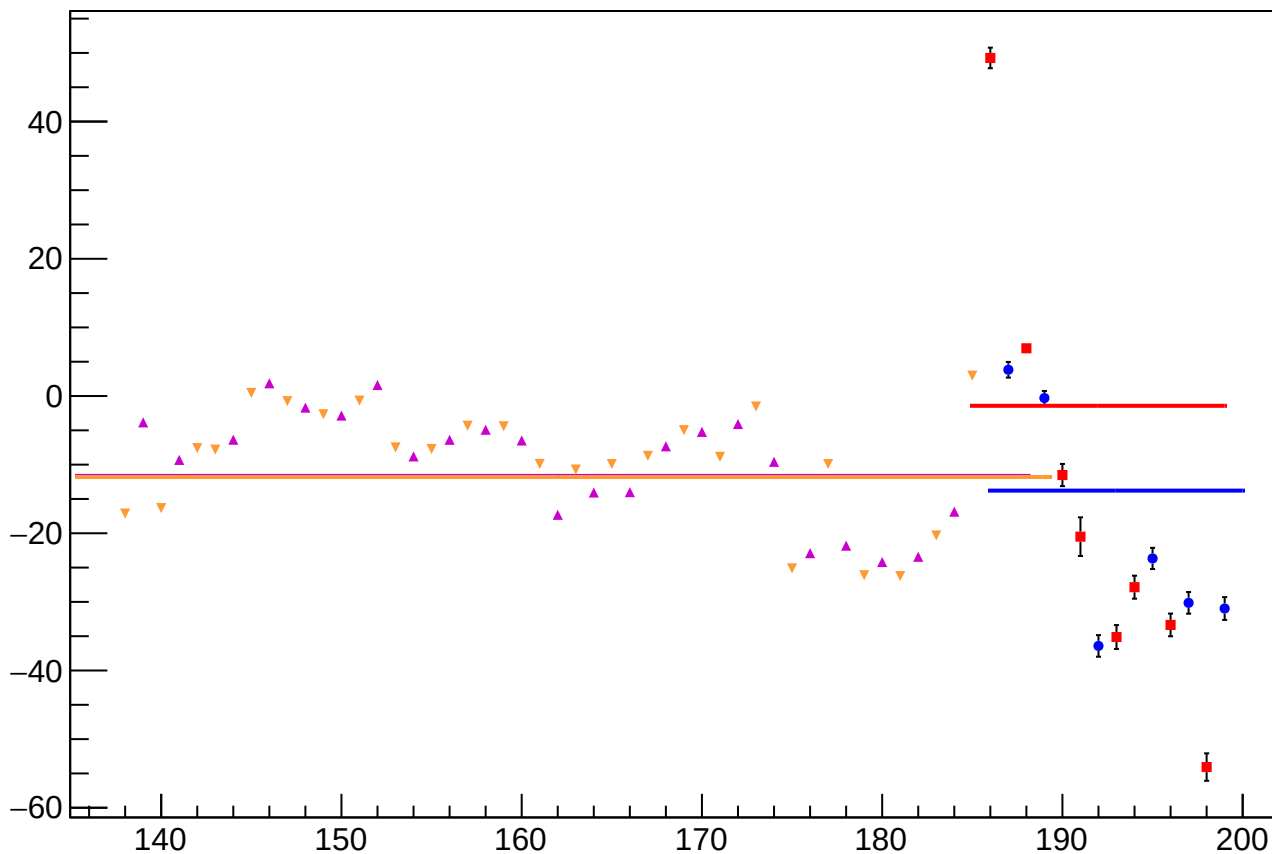
Left In: -0.137 ± 0.001 $\chi^2/\text{NDF}: 5392.6/22$

+ sign -0.165 ± 0.001 $\chi^2/\text{NDF}: 12658.4/30$

All: -0.163 ± 0.001 $\chi^2/\text{NDF}: 28167.7/61$

- sign -0.160 ± 0.001 $\chi^2/\text{NDF}: 15495.2/30$

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -13.783 ± 0.552 χ^2/NDF : 868.1/5

Left Out: -11.801 ± 0.070 χ^2/NDF : 17308.2/24

Right Out: -1.421 ± 0.418 χ^2/NDF : 3158.6/7

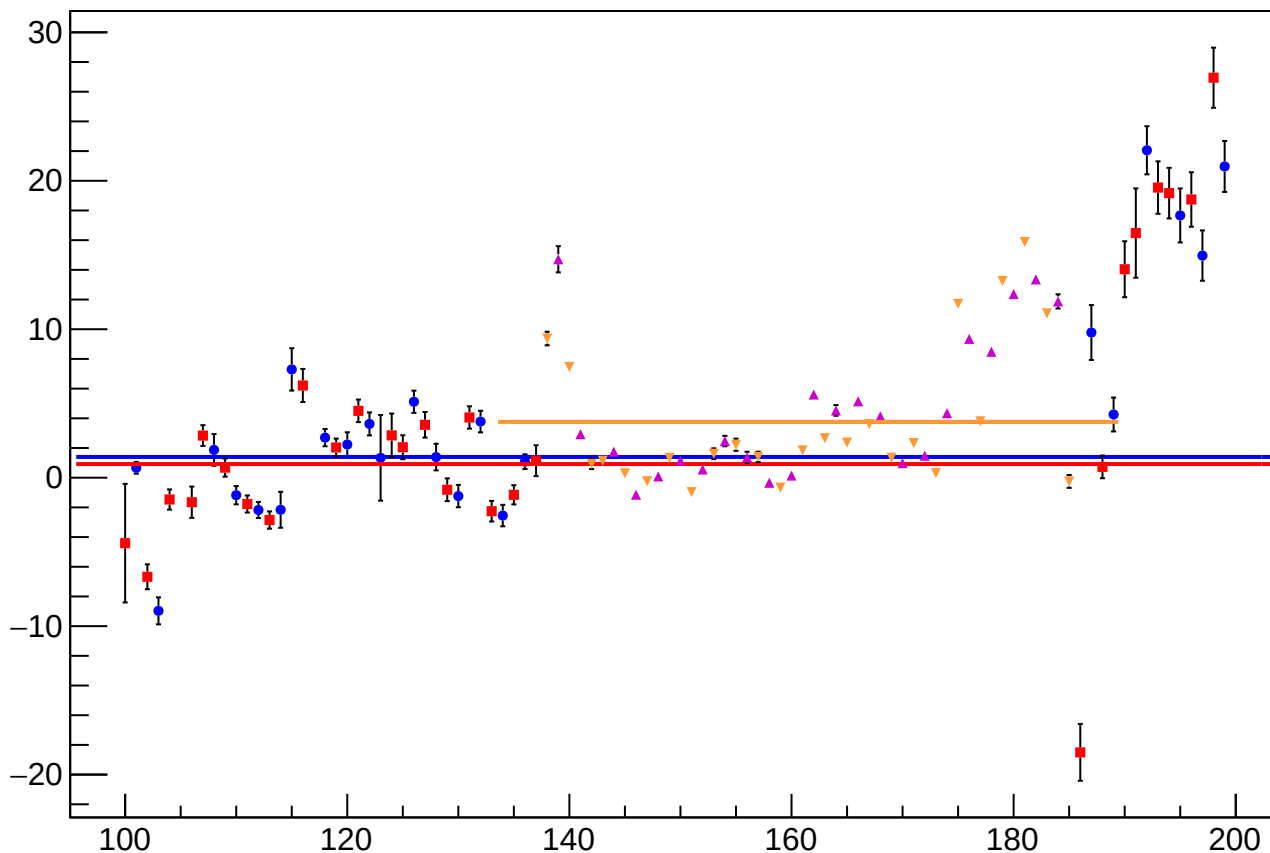
Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.833 ± 0.070 χ^2/NDF : 18189.0/30

All: -11.595 ± 0.050 χ^2/NDF : 36073.3/61

- sign -11.351 ± 0.071 χ^2/NDF : 17860.6/30

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.397 ± 0.165 χ^2/NDF : 776.1/22

Left Out: 3.757 ± 0.056 χ^2/NDF : 7450.7/24

Right Out: 0.919 ± 0.166 χ^2/NDF : 951.5/26

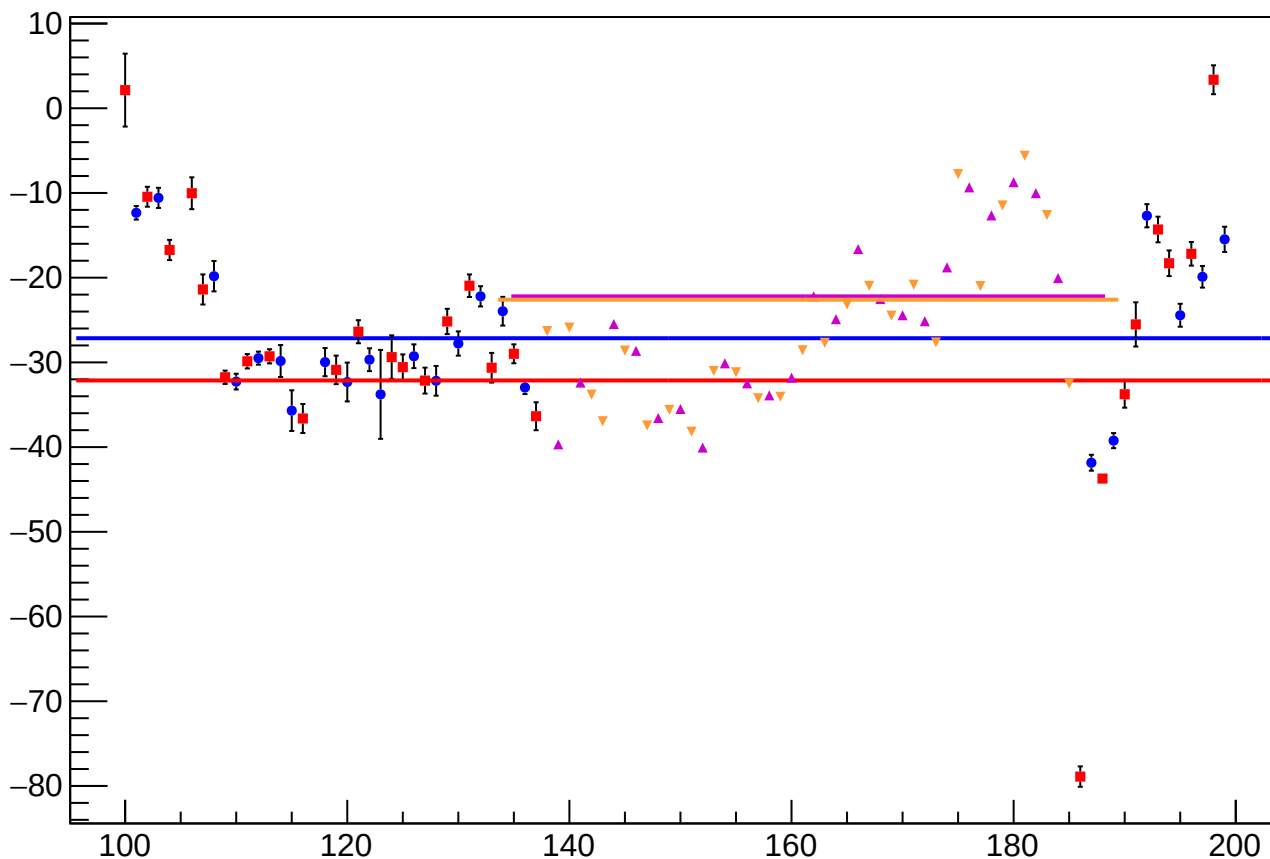
Left In: 3.757 ± 0.057 χ^2/NDF : 5629.4/22

+ sign 3.516 ± 0.053 χ^2/NDF : 8411.0/47

All: 3.489 ± 0.038 χ^2/NDF : 15254.1/97

- sign 3.461 ± 0.054 χ^2/NDF : 6842.6/49

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -27.147 ± 0.253 χ^2/NDF : 1345.0/22

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -32.132 ± 0.226 χ^2/NDF : 3896.0/26

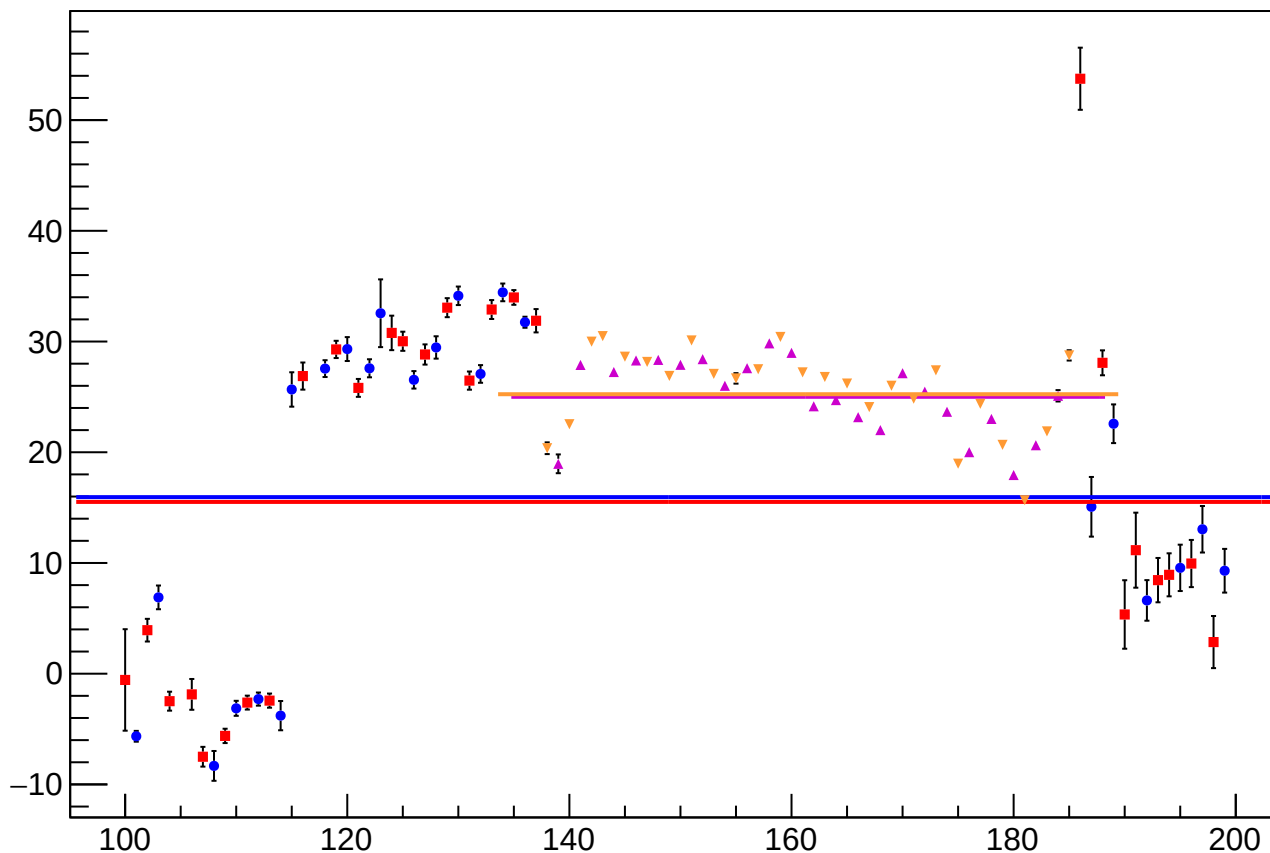
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -22.926 ± 0.068 χ^2/NDF : 21577.6/47

All: -23.019 ± 0.048 χ^2/NDF : 44853.8/97

- sign -23.113 ± 0.068 χ^2/NDF : 23272.5/49

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.946 $\pm$ 0.187 χ^2 /NDF: 7605.8/22

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.514 $\pm$ 0.190 χ^2 /NDF: 7645.3/26

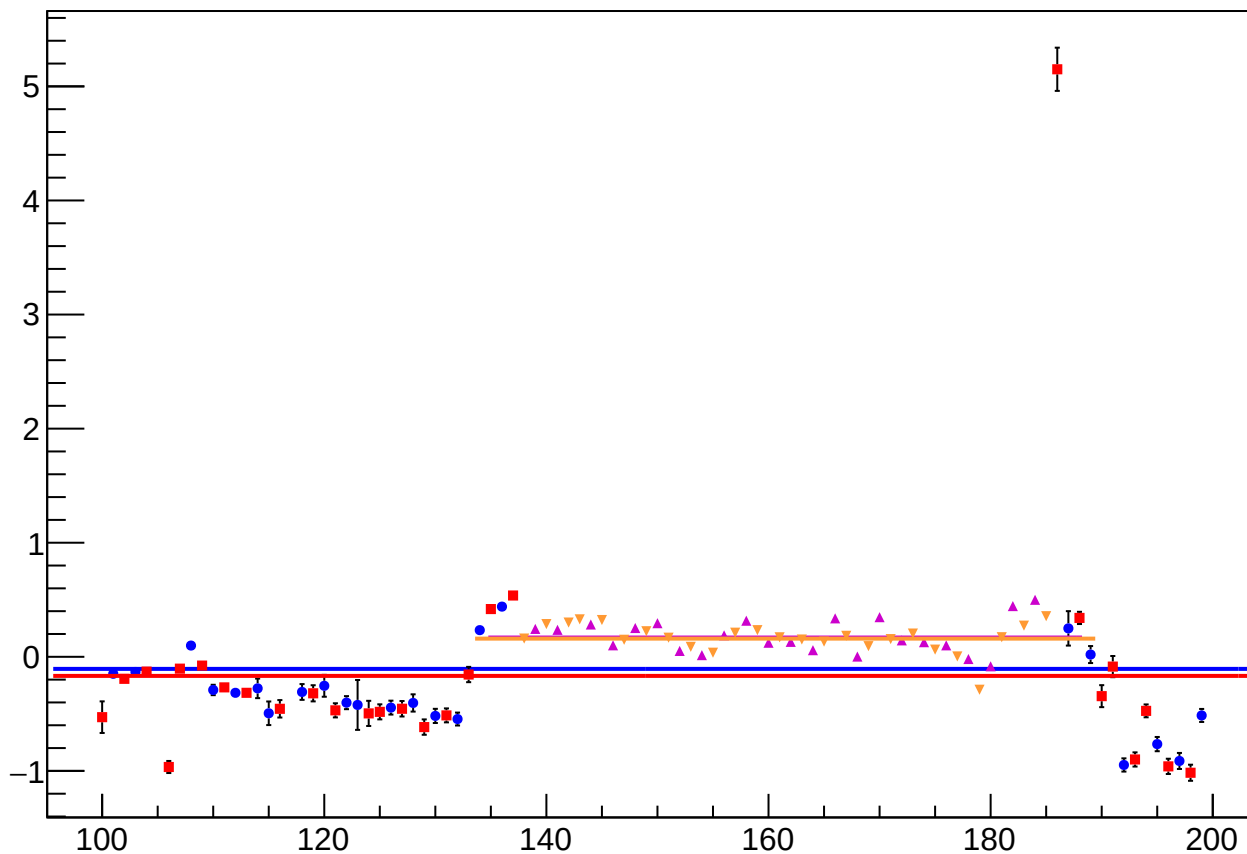
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.308 $\pm$ 0.059 χ^2 /NDF: 13606.3/47

All: 24.179 $\pm$ 0.042 χ^2 /NDF: 26226.6/97

- sign 24.046 $\pm$ 0.061 χ^2 /NDF: 12610.8/49

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.106 ± 0.010 χ^2/NDF : 1573.0/22

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.167 ± 0.010 χ^2/NDF : 2507.1/26

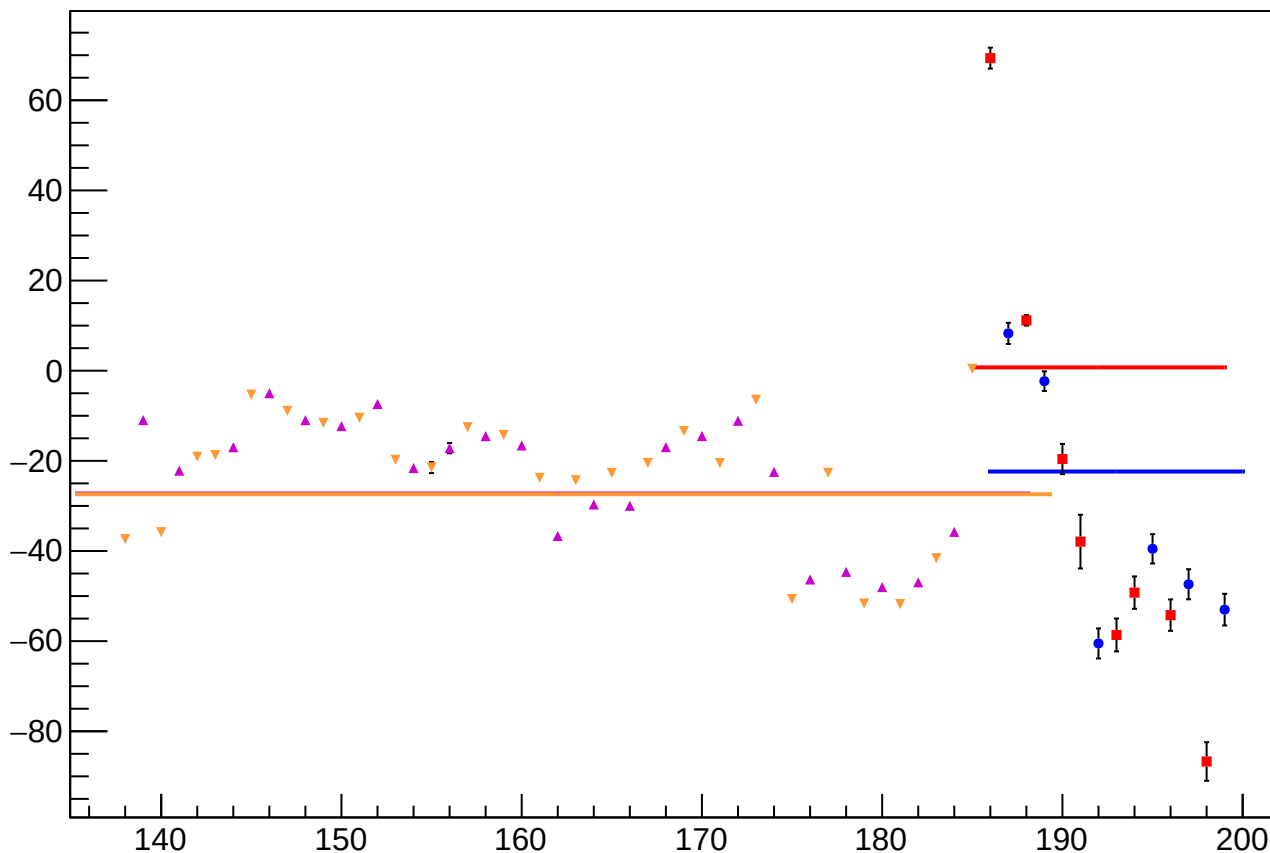
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.138 ± 0.003 χ^2/NDF : 4125.4/47

All: 0.139 ± 0.002 χ^2/NDF : 10176.9/97

- sign 0.140 ± 0.003 χ^2/NDF : 6051.2/49

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -22.369 ± 1.157 $\chi^2/\text{NDF}: 545.4/5$

Left Out: -27.408 ± 0.137 $\chi^2/\text{NDF}: 14850.5/24$

Right Out: 0.738 ± 0.866 $\chi^2/\text{NDF}: 2160.2/7$

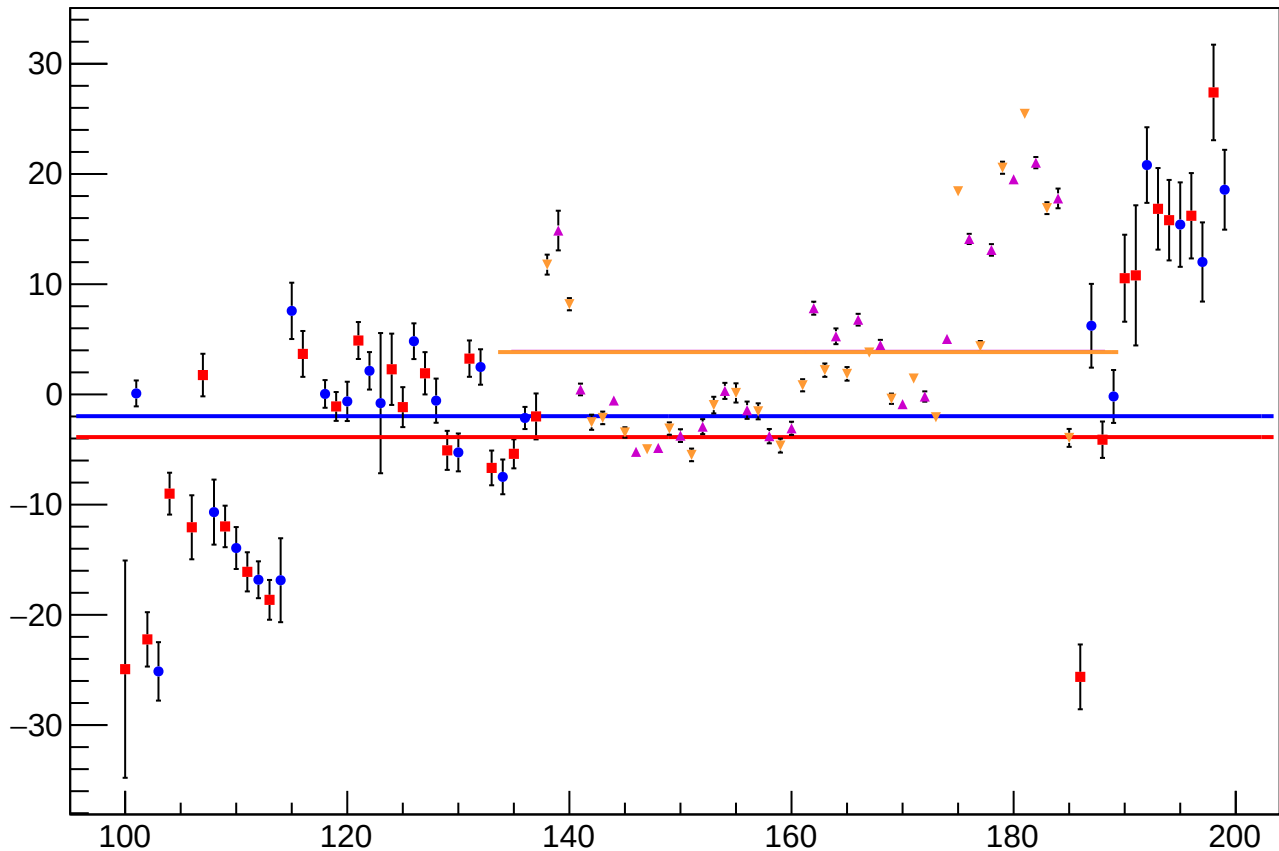
Left In: -27.243 ± 0.139 $\chi^2/\text{NDF}: 11305.2/22$

+ sign -27.338 ± 0.136 $\chi^2/\text{NDF}: 15414.6/30$

All: -26.942 ± 0.097 $\chi^2/\text{NDF}: 29915.5/61$

- sign -26.536 ± 0.138 $\chi^2/\text{NDF}: 14483.7/30$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -1.974 ± 0.394 $\chi^2/\text{NDF}: 403.6/22$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -3.872 ± 0.398 $\chi^2/\text{NDF}: 513.5/26$

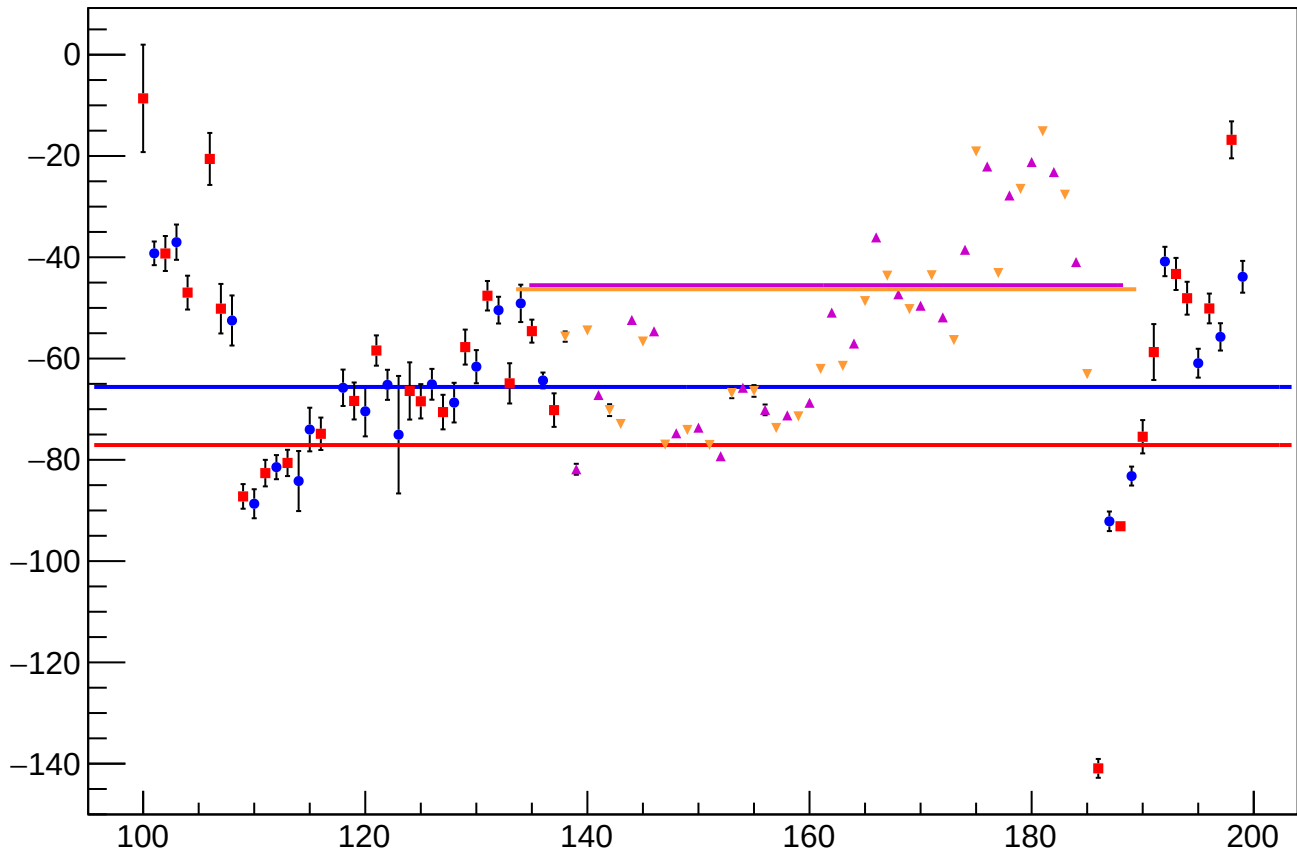
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.426 ± 0.105 $\chi^2/\text{NDF}: 7545.4/47$

All: 3.366 ± 0.075 $\chi^2/\text{NDF}: 13834.6/97$

- sign 3.305 ± 0.107 $\chi^2/\text{NDF}: 6288.6/49$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -65.609 ± 0.592 $\chi^2/\text{NDF}: 795.9/22$

Left Out: -46.318 ± 0.138 $\chi^2/\text{NDF}: 20134.6/24$

Right Out: -77.079 ± 0.520 $\chi^2/\text{NDF}: 2751.7/26$

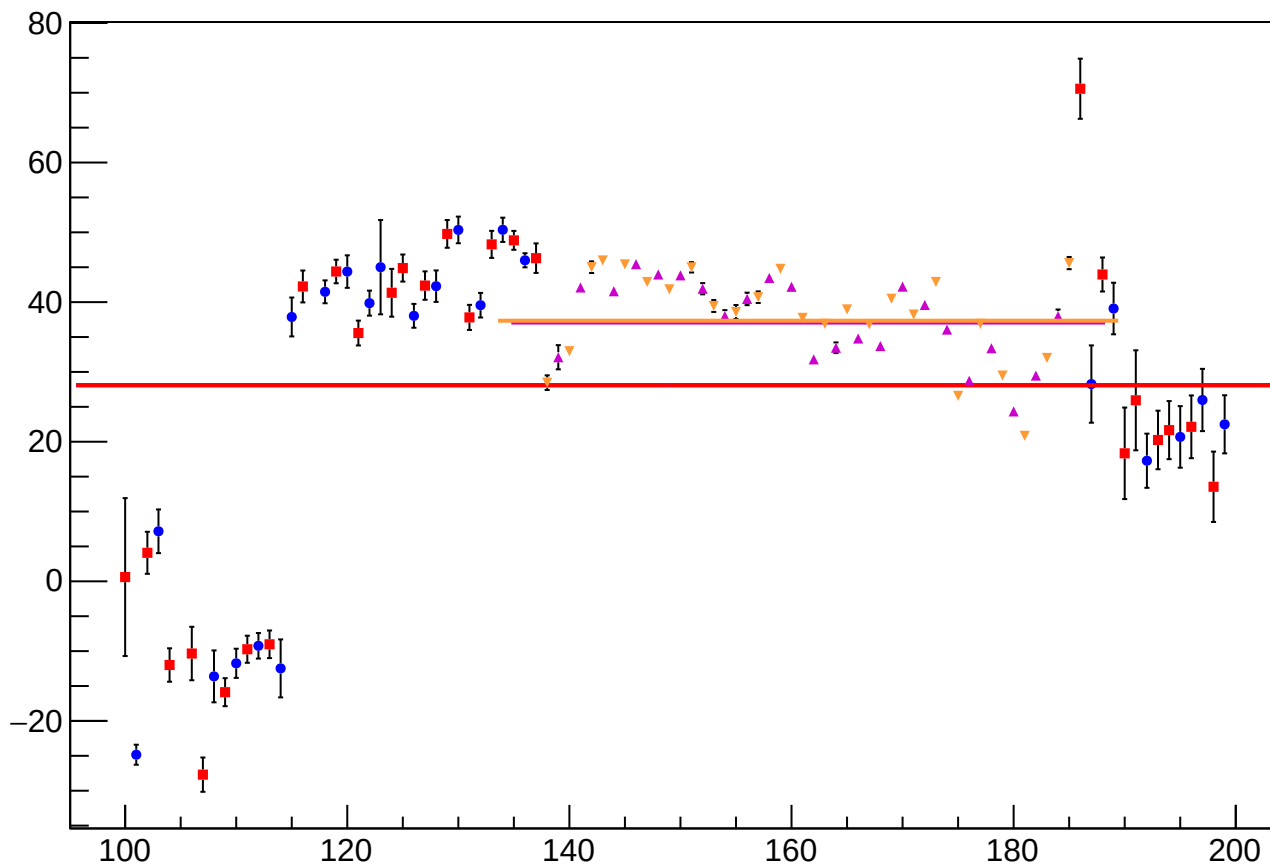
Left In: -45.522 ± 0.140 $\chi^2/\text{NDF}: 17525.4/22$

+ sign -47.311 ± 0.134 $\chi^2/\text{NDF}: 21937.1/47$

All: -47.479 ± 0.095 $\chi^2/\text{NDF}: 45655.3/97$

- sign -47.649 ± 0.135 $\chi^2/\text{NDF}: 23715.0/49$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.095 $\pm$ 0.445 χ^2 /NDF: 3332.5/22

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.091 $\pm$ 0.456 χ^2 /NDF: 3191.5/26

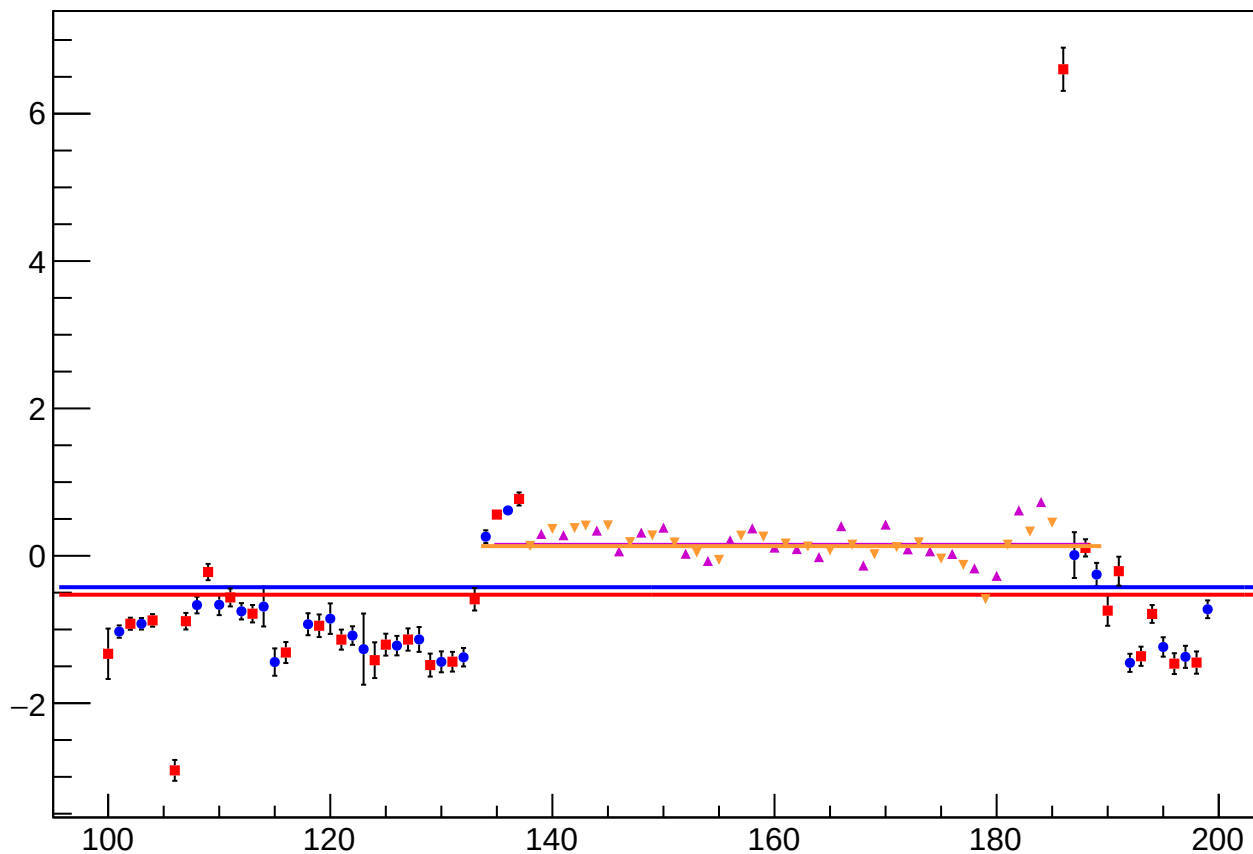
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.686 $\pm$ 0.118 χ^2 /NDF: 6881.9/47

All: 36.567 $\pm$ 0.085 χ^2 /NDF: 12834.0/97

- sign 36.443 $\pm$ 0.121 χ^2 /NDF: 5950.1/49

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.426 ± 0.023 χ^2/NDF : 1184.3/22

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.528 ± 0.023 χ^2/NDF : 1911.2/26

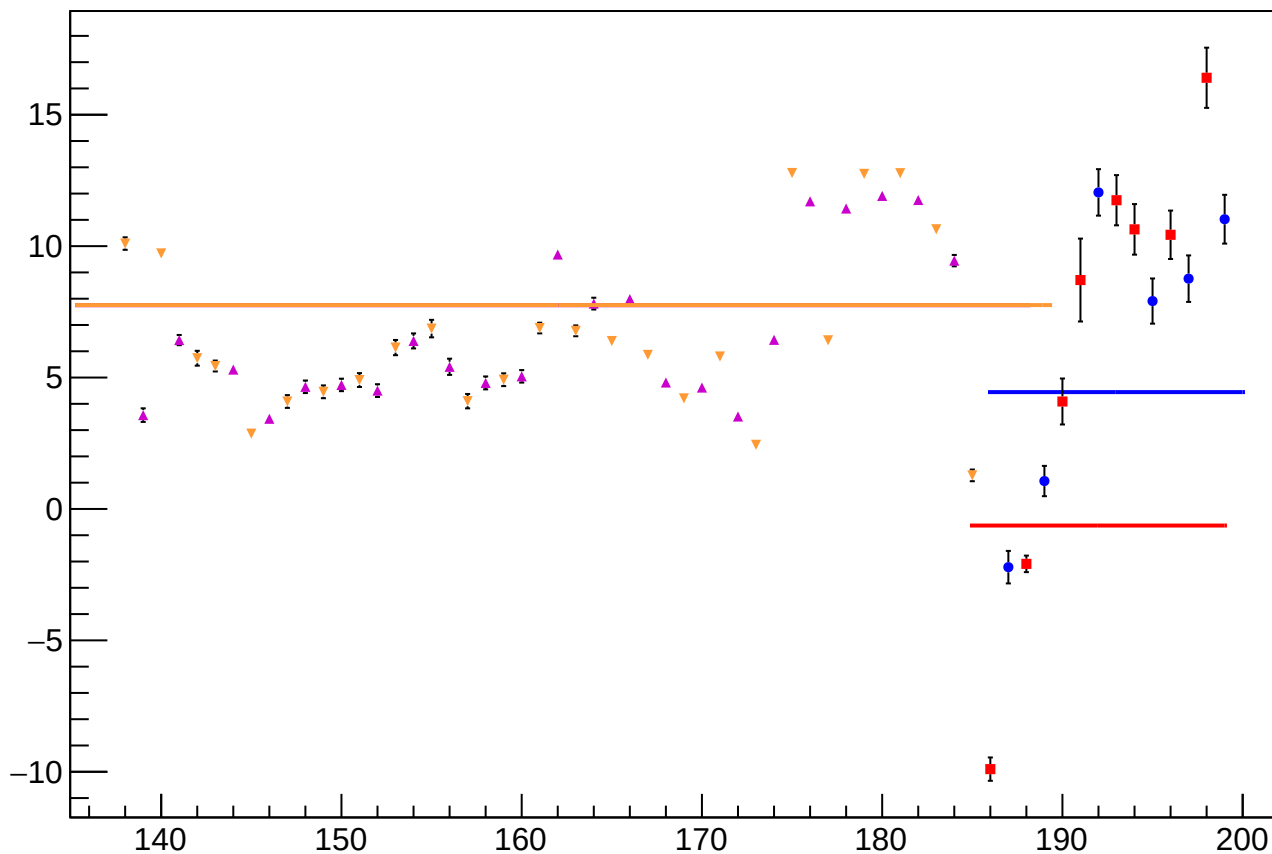
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.100 ± 0.005 χ^2/NDF : 3165.0/47

All: 0.105 ± 0.004 χ^2/NDF : 7684.5/97

- sign 0.110 ± 0.006 χ^2/NDF : 4517.9/49

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 4.446 ± 0.306 $\chi^2/\text{NDF}: 314.4/5$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: -0.631 ± 0.218 $\chi^2/\text{NDF}: 1191.6/7$

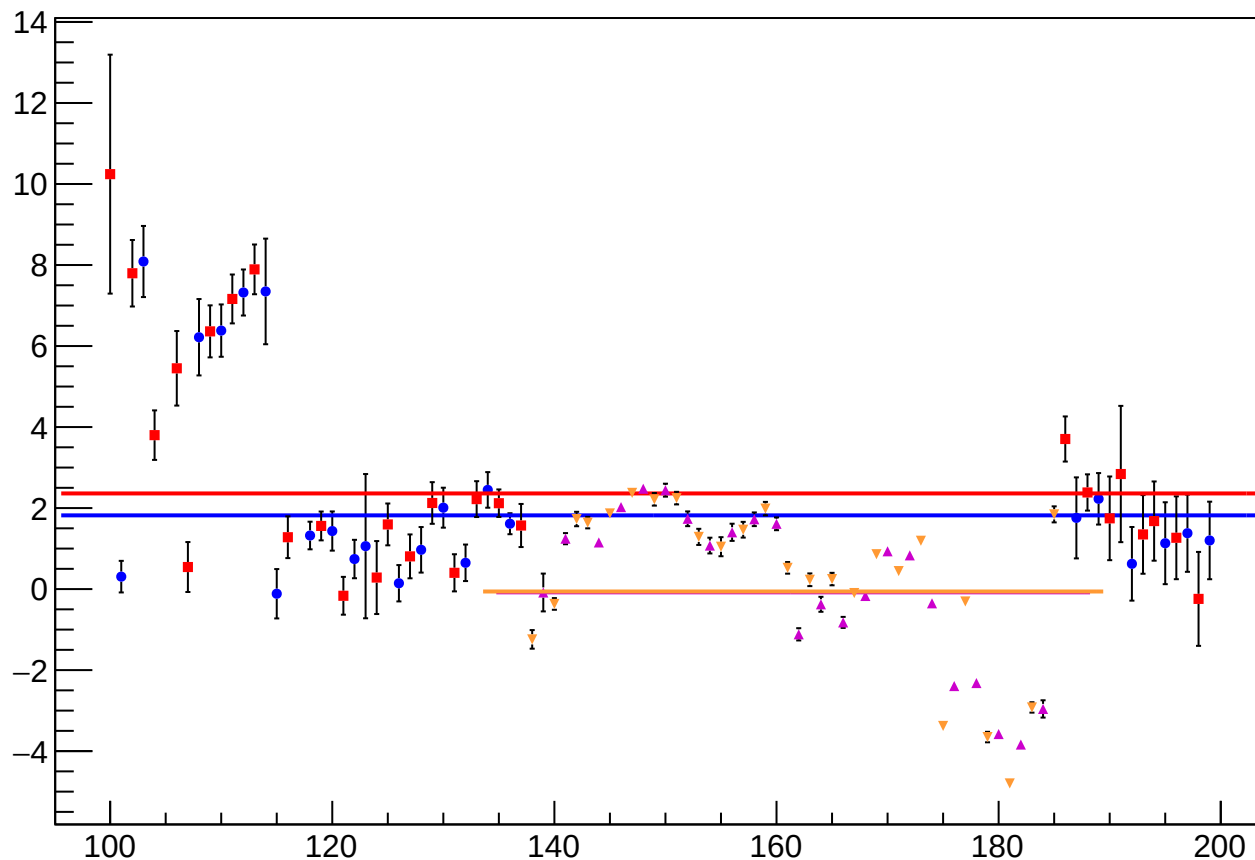
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.716 ± 0.034 $\chi^2/\text{NDF}: 12158.7/30$

All: 7.630 ± 0.024 $\chi^2/\text{NDF}: 23147.0/61$

- sign 7.542 ± 0.035 $\chi^2/\text{NDF}: 10975.5/30$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.820 ± 0.111 χ^2/NDF : 296.6/22

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.361 ± 0.112 χ^2/NDF : 349.6/26

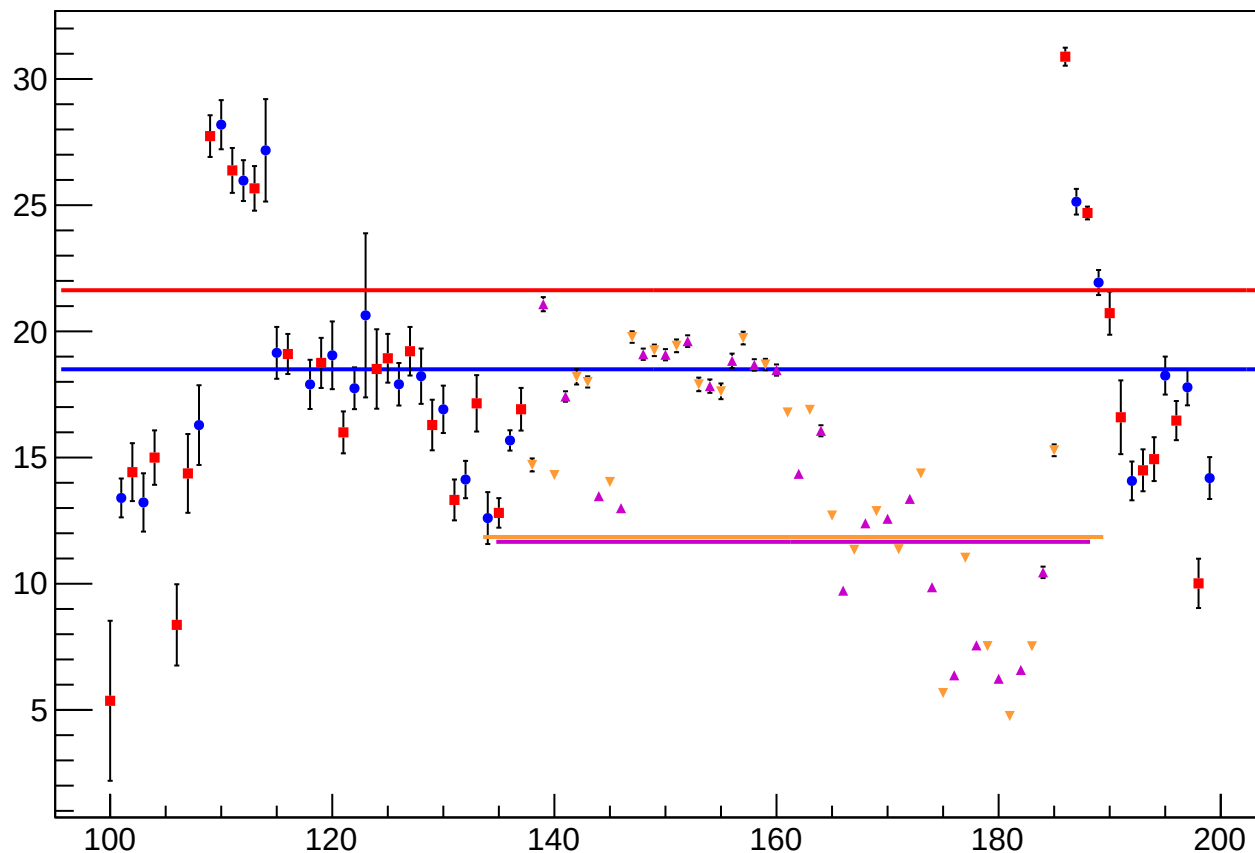
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.050 ± 0.027 χ^2/NDF : 6633.2/47

All: 0.058 ± 0.019 χ^2/NDF : 12409.0/97

- sign 0.066 ± 0.027 χ^2/NDF : 5775.7/49

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.497 ± 0.165 χ^2/NDF : 671.0/22

Left Out: 11.853 ± 0.035 χ^2/NDF : 19149.4/24

Right Out: 21.630 ± 0.139 χ^2/NDF : 1936.7/26

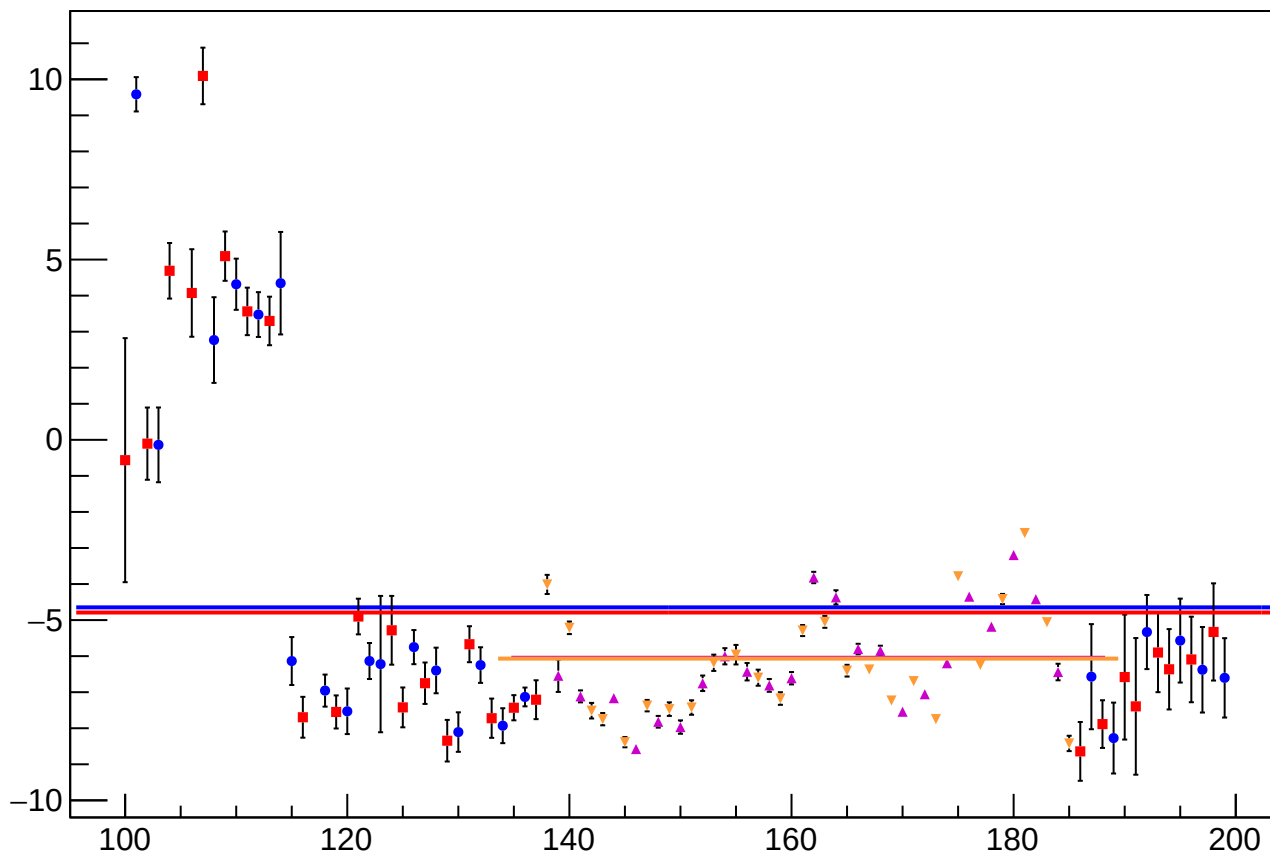
Left In: 11.660 ± 0.035 χ^2/NDF : 16710.2/22

+ sign 12.135 ± 0.034 χ^2/NDF : 21378.4/47

All: 12.196 ± 0.024 χ^2/NDF : 44839.2/97

- sign 12.257 ± 0.034 χ^2/NDF : 23454.3/49

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.647 ± 0.126 χ^2/NDF : 1605.9/22

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.790 ± 0.129 χ^2/NDF : 1397.9/26

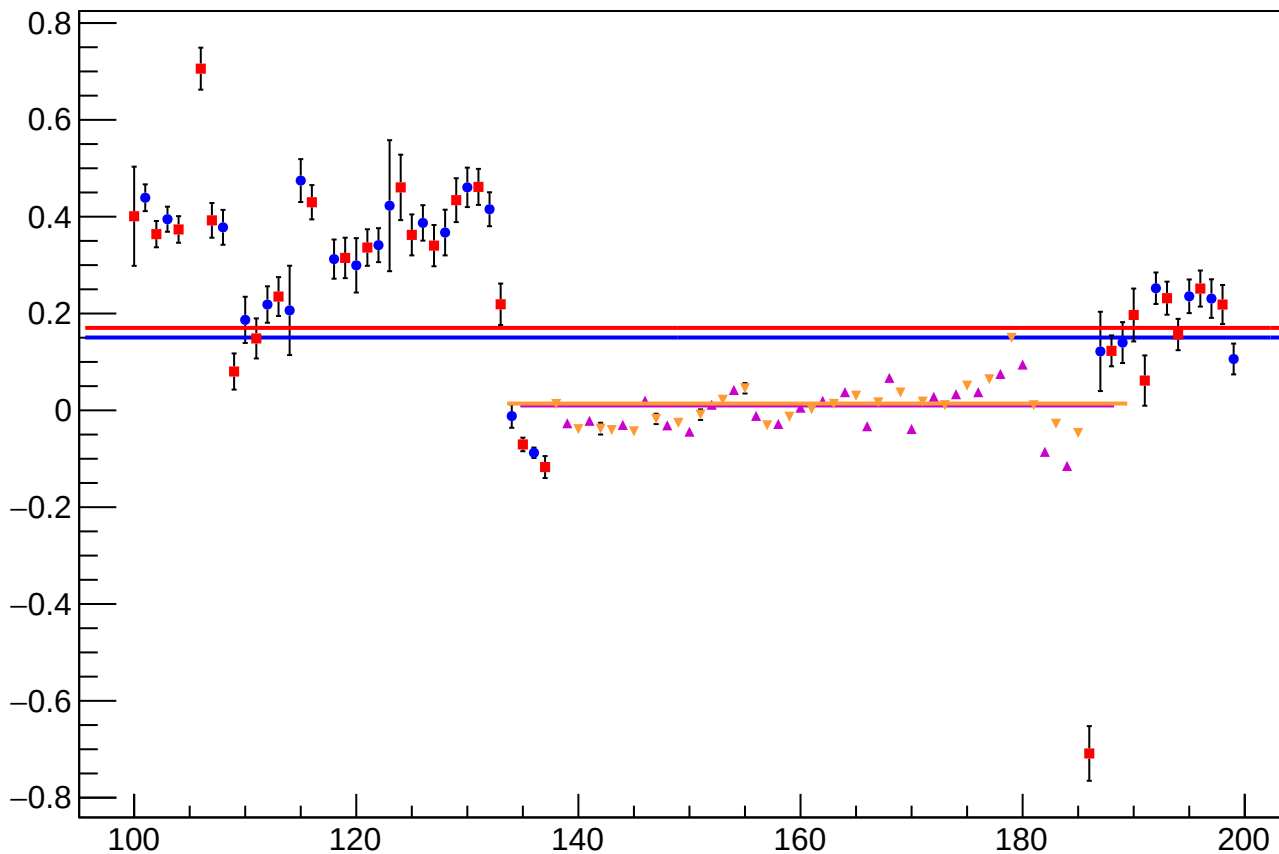
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.986 ± 0.030 χ^2/NDF : 4398.2/47

All: -5.980 ± 0.022 χ^2/NDF : 8179.6/97

- sign -5.973 ± 0.031 χ^2/NDF : 3781.3/49

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.150 ± 0.006 χ^2/NDF : 1081.1/22

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.170 ± 0.007 χ^2/NDF : 1260.6/26

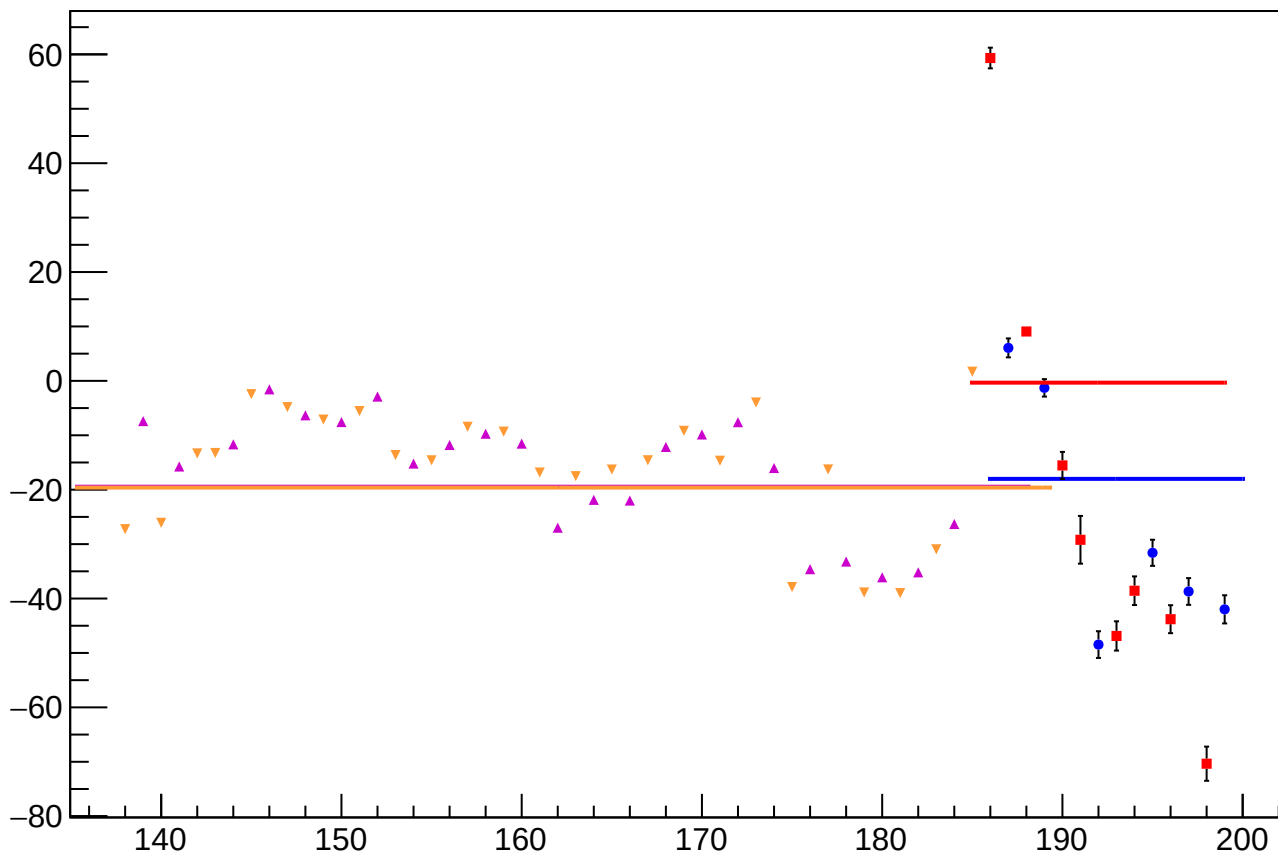
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.020 ± 0.001 χ^2/NDF : 2464.1/47

All: 0.019 ± 0.001 χ^2/NDF : 5513.7/97

- sign 0.018 ± 0.001 χ^2/NDF : 3047.6/49

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -18.011 ± 0.853 χ^2/NDF : 642.5/5

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: -0.327 ± 0.643 χ^2/NDF : 2482.2/7

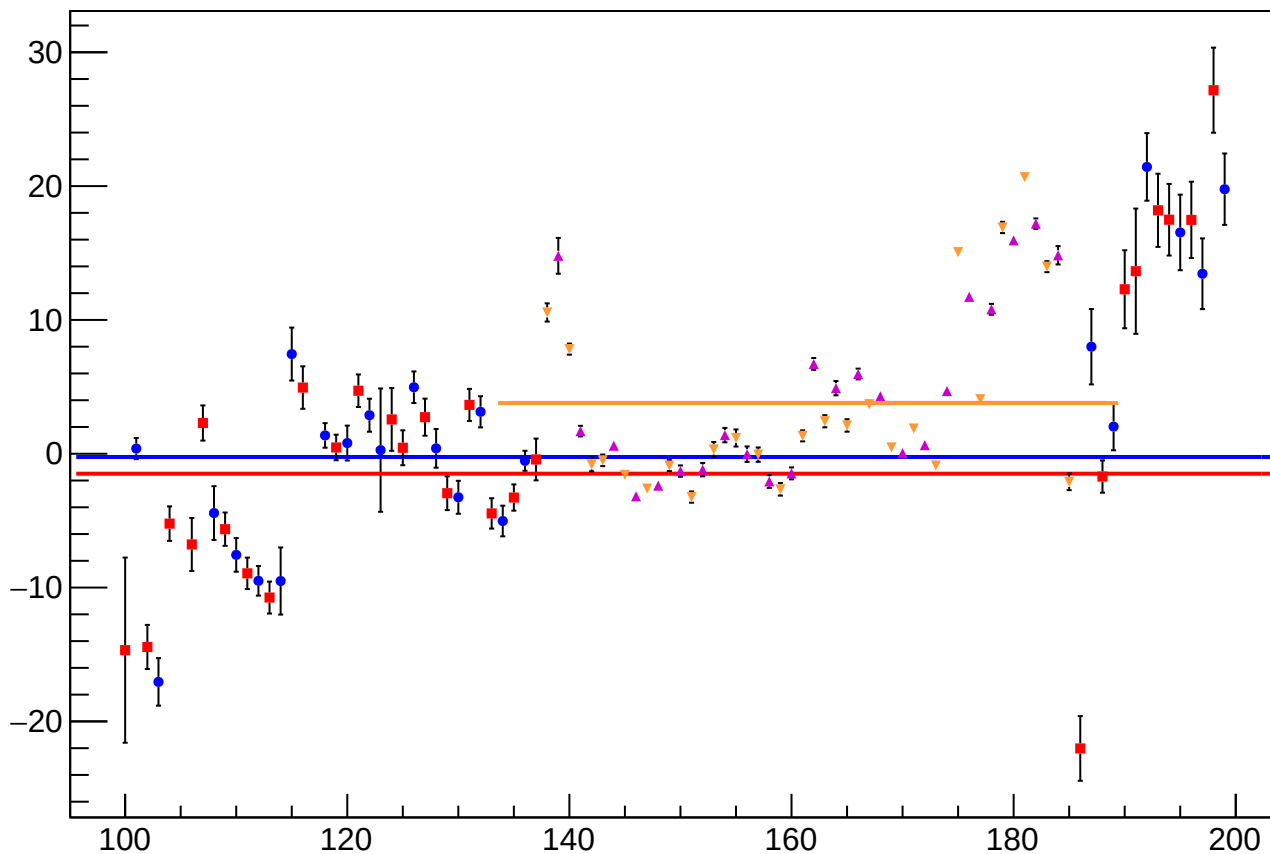
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -19.589 ± 0.102 χ^2/NDF : 16407.2/30

All: -19.275 ± 0.073 χ^2/NDF : 32052.2/61

- sign -18.953 ± 0.104 χ^2/NDF : 15626.0/30

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.241 ± 0.281 χ^2/NDF : 491.4/22

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -1.490 ± 0.284 χ^2/NDF : 624.6/26

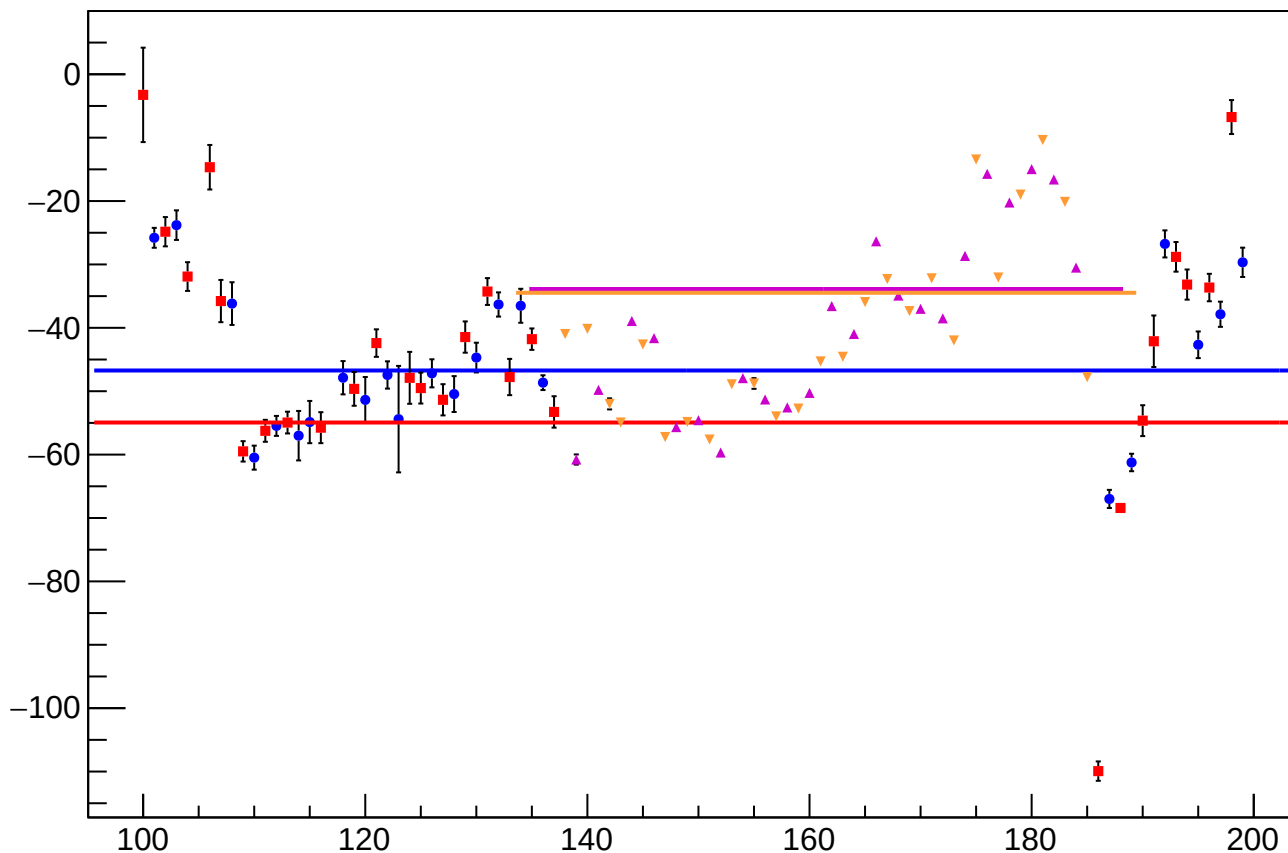
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.471 ± 0.079 χ^2/NDF : 7831.5/47

All: 3.425 ± 0.056 χ^2/NDF : 14293.6/97

- sign 3.376 ± 0.080 χ^2/NDF : 6461.4/49

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -46.731 ± 0.425 χ^2/NDF : 909.9/22

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -54.939 ± 0.376 χ^2/NDF : 3057.5/26

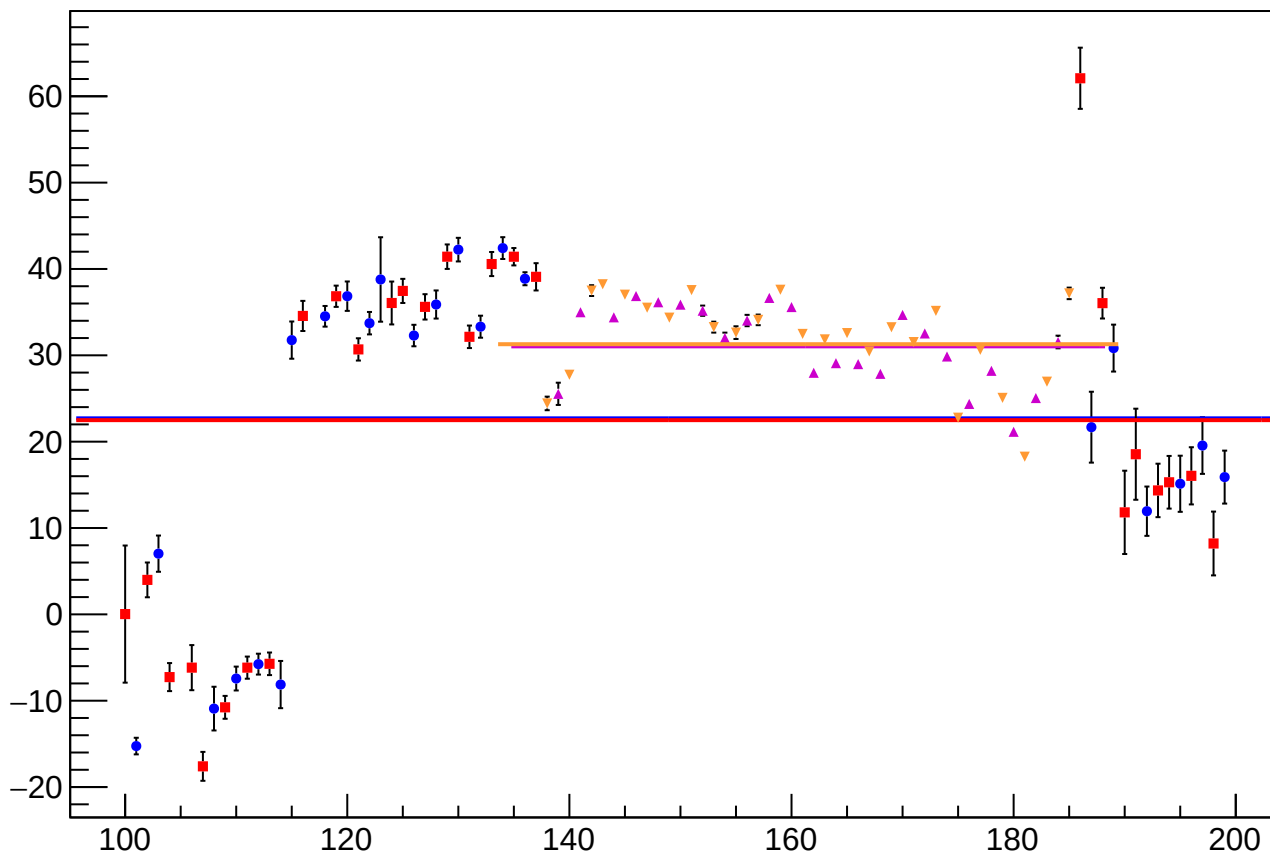
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.162 ± 0.101 χ^2/NDF : 21890.1/47

All: -35.283 ± 0.072 χ^2/NDF : 45499.1/97

- sign -35.406 ± 0.101 χ^2/NDF : 23606.0/49

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.700 $\pm$ 0.318 χ^2 /NDF: 4352.1/22

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.493 $\pm$ 0.325 χ^2 /NDF: 4250.9/26

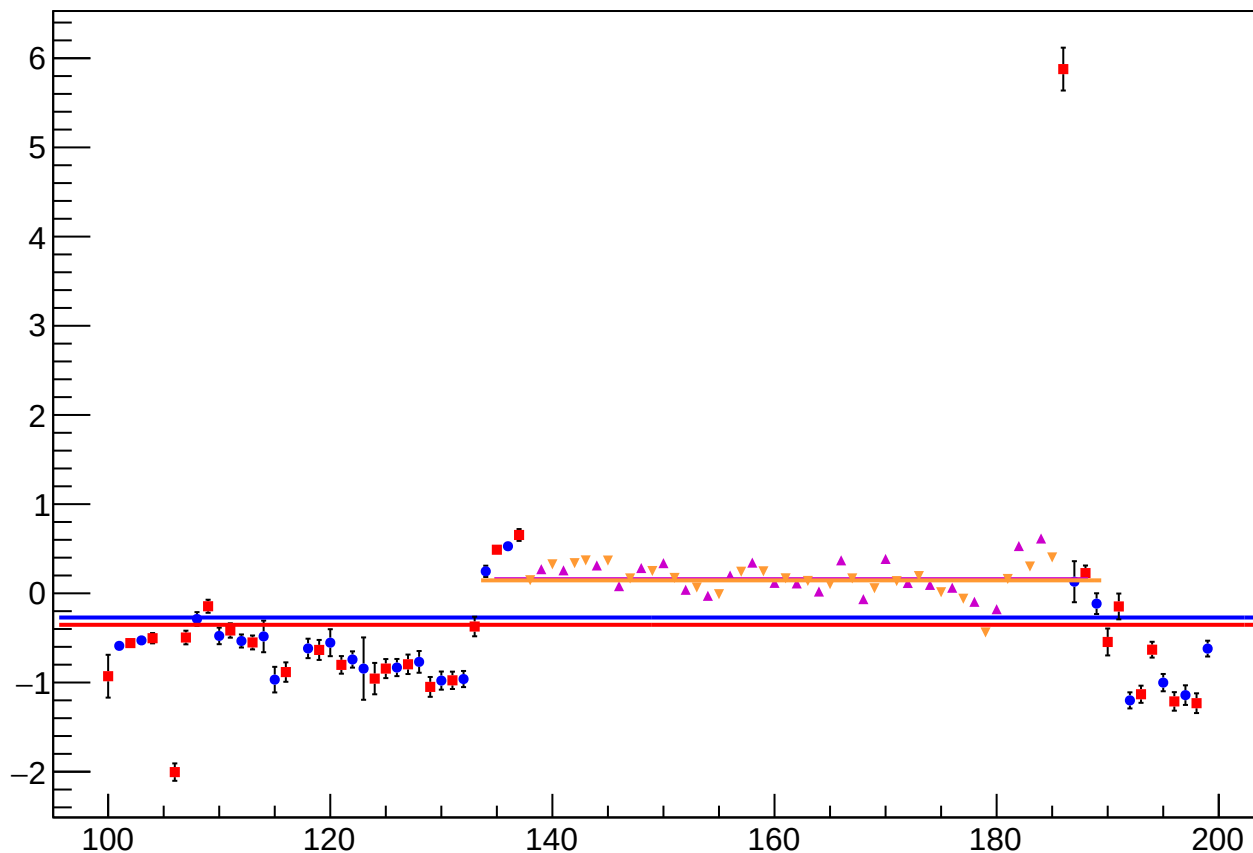
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.619 $\pm$ 0.089 χ^2 /NDF: 8369.0/47

All: 30.500 $\pm$ 0.063 χ^2 /NDF: 15741.9/97

- sign 30.377 $\pm$ 0.090 χ^2 /NDF: 7369.2/49

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.271 ± 0.016 χ^2/NDF : 1266.9/22

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.353 ± 0.017 χ^2/NDF : 2105.5/26

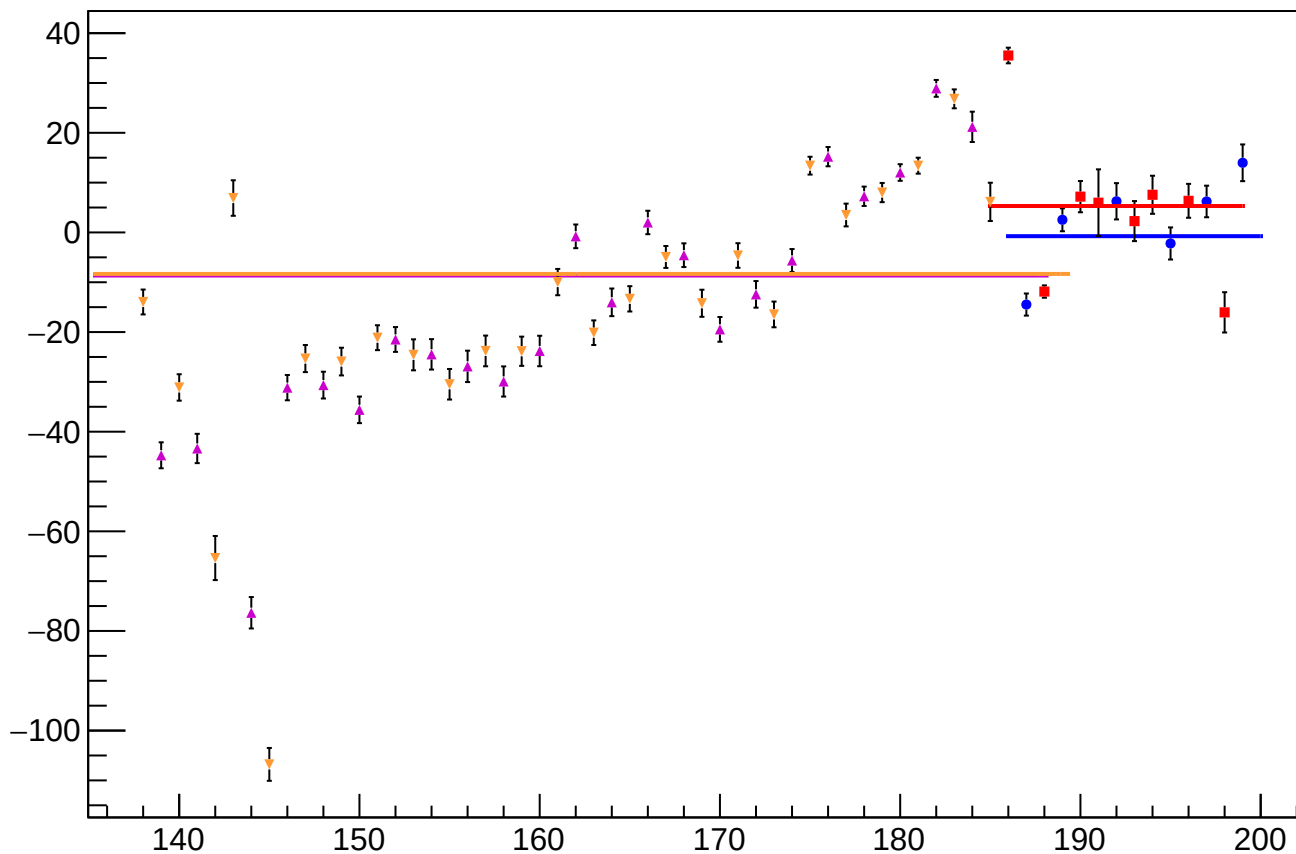
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.120 ± 0.004 χ^2/NDF : 3447.5/47

All: 0.123 ± 0.003 χ^2/NDF : 8464.0/97

- sign 0.126 ± 0.004 χ^2/NDF : 5015.2/49

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -0.753 ± 1.165 χ^2/NDF : 65.0/5

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 5.303 ± 0.828 χ^2/NDF : 591.2/7

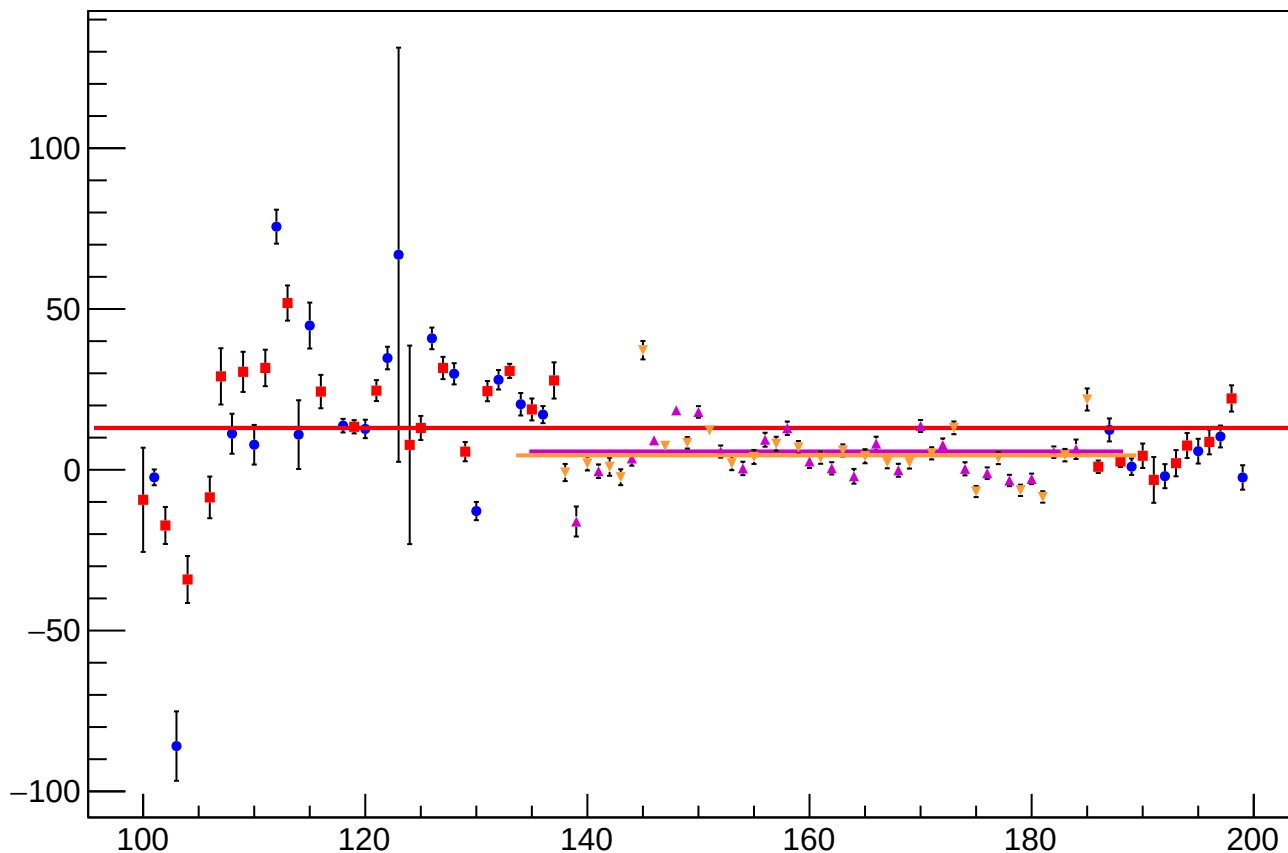
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -7.155 ± 0.459 χ^2/NDF : 2326.9/30

All: -5.931 ± 0.315 χ^2/NDF : 5361.9/61

- sign -4.844 ± 0.432 χ^2/NDF : 3021.6/30

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 13.044 $\pm$ 0.730 χ^2 /NDF: 590.7/22

Left Out: 4.484 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 12.971 $\pm$ 0.677 χ^2 /NDF: 396.6/26

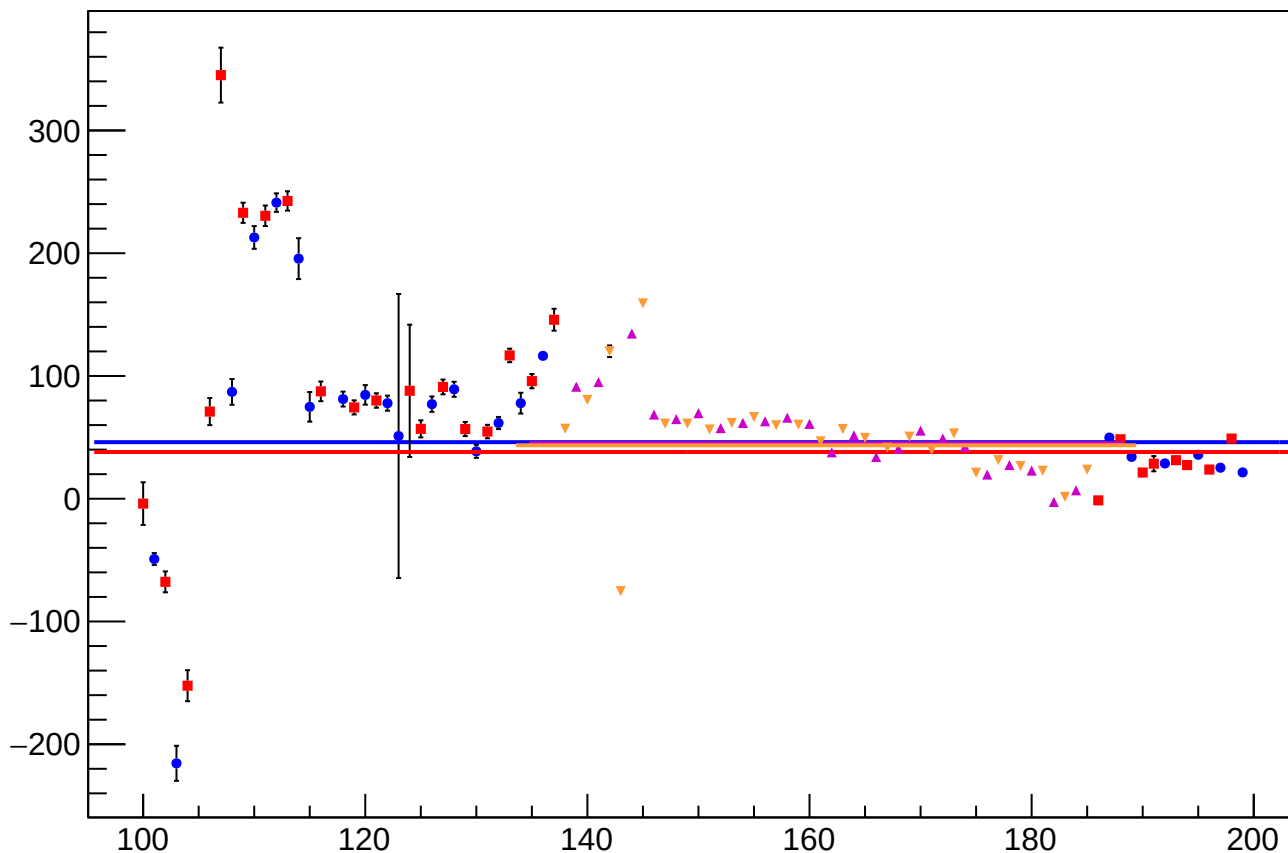
Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

+ sign 6.402 $\pm$ 0.345 χ^2 /NDF: 1069.3/47

All: 7.005 $\pm$ 0.245 χ^2 /NDF: 1880.9/97

- sign 7.614 $\pm$ 0.347 χ^2 /NDF: 805.5/49

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 46.071 ± 0.843 χ^2/NDF : 2506.1/22

Left Out: 43.524 ± 0.498 χ^2/NDF : 3830.7/24

Right Out: 38.057 ± 0.634 χ^2/NDF : 4205.7/26

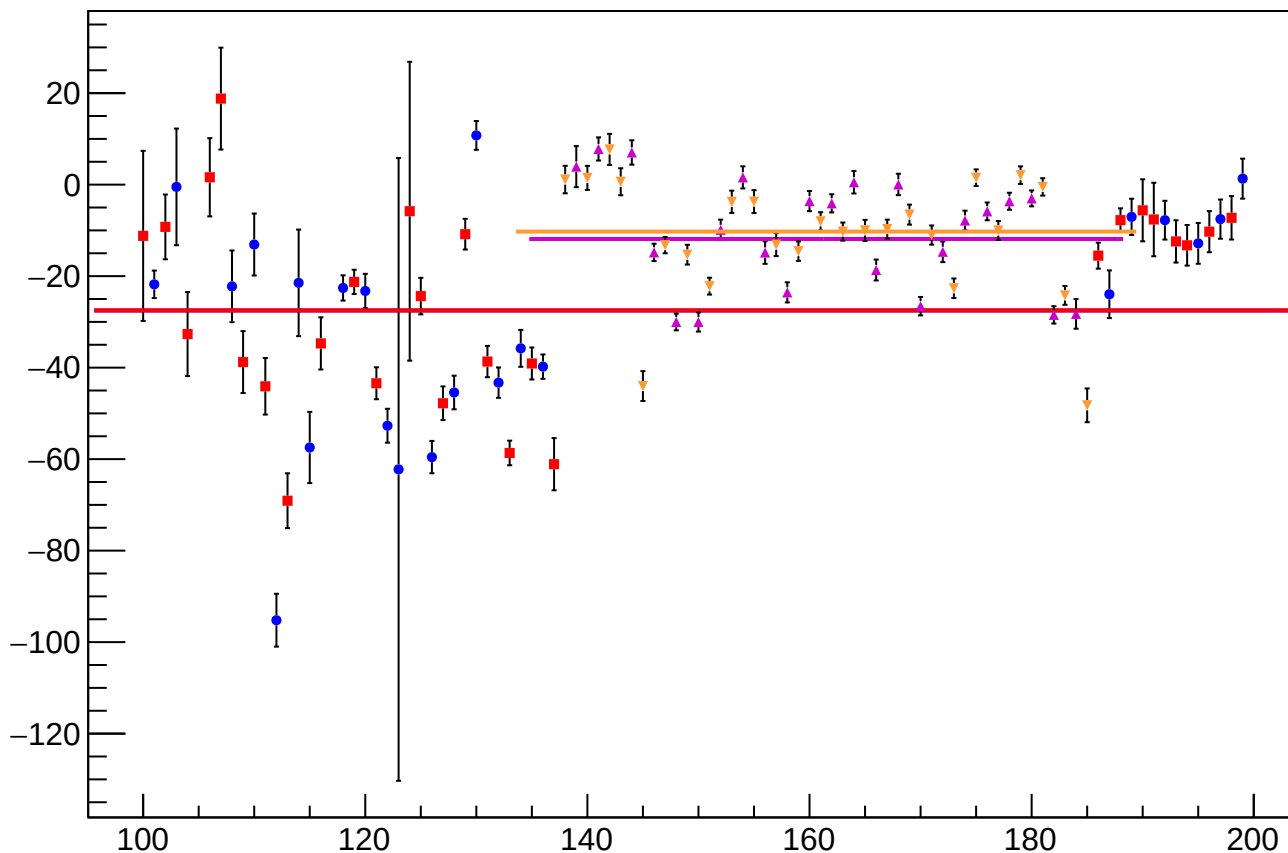
Left In: 45.211 ± 0.504 χ^2/NDF : 3048.5/22

+ sign 44.184 ± 0.429 χ^2/NDF : 6343.5/47

All: 43.240 ± 0.290 χ^2/NDF : 13684.6/97

- sign 42.441 ± 0.395 χ^2/NDF : 7332.1/49

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -27.504 ± 0.862 χ^2/NDF : 643.6/22

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -27.494 ± 0.830 χ^2/NDF : 515.9/26

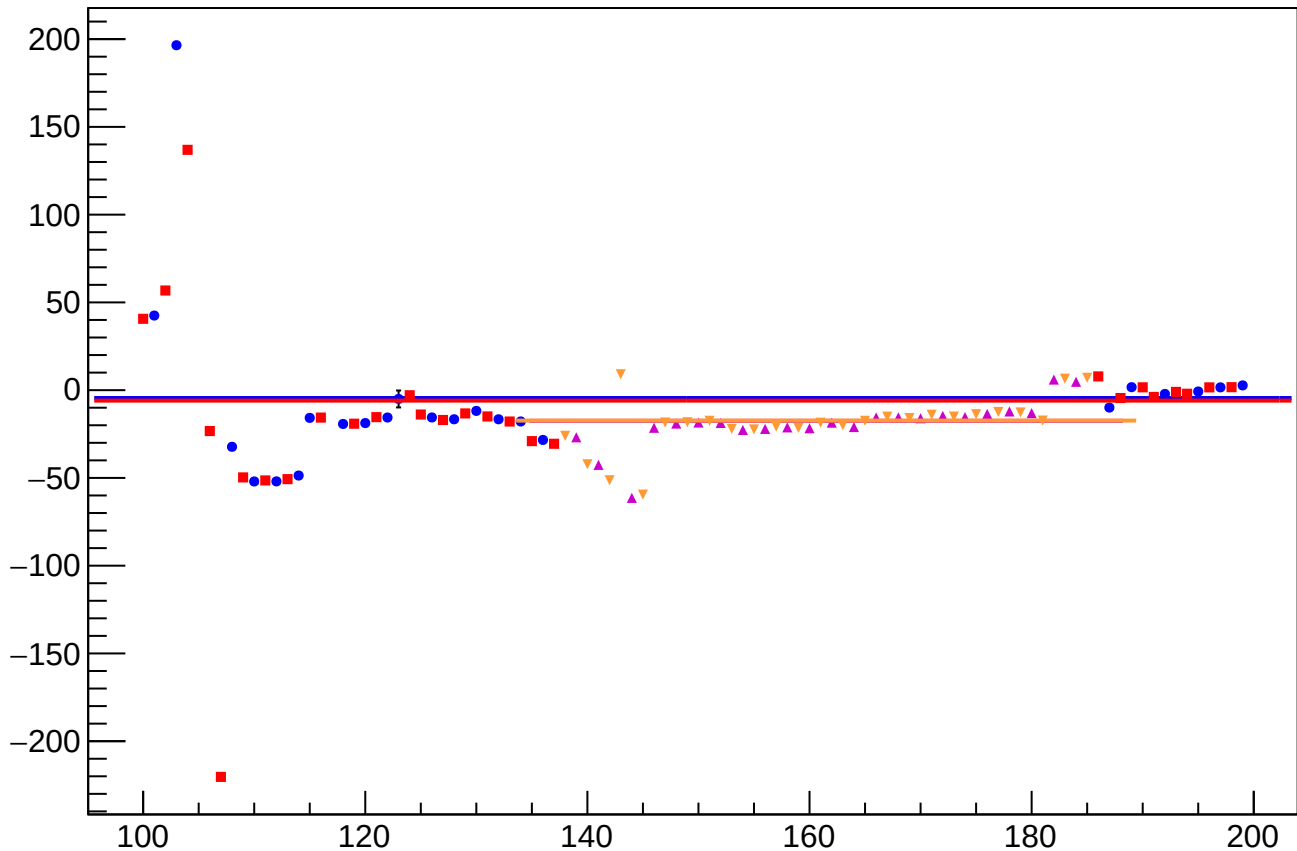
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.879 ± 0.395 χ^2/NDF : 1512.6/47

All: -14.679 ± 0.281 χ^2/NDF : 2974.9/97

- sign -15.499 ± 0.400 χ^2/NDF : 1454.1/49

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -4.478 ± 0.043 χ^2/NDF : 587969.9/22

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -5.950 ± 0.041 χ^2/NDF : 585416.5/26

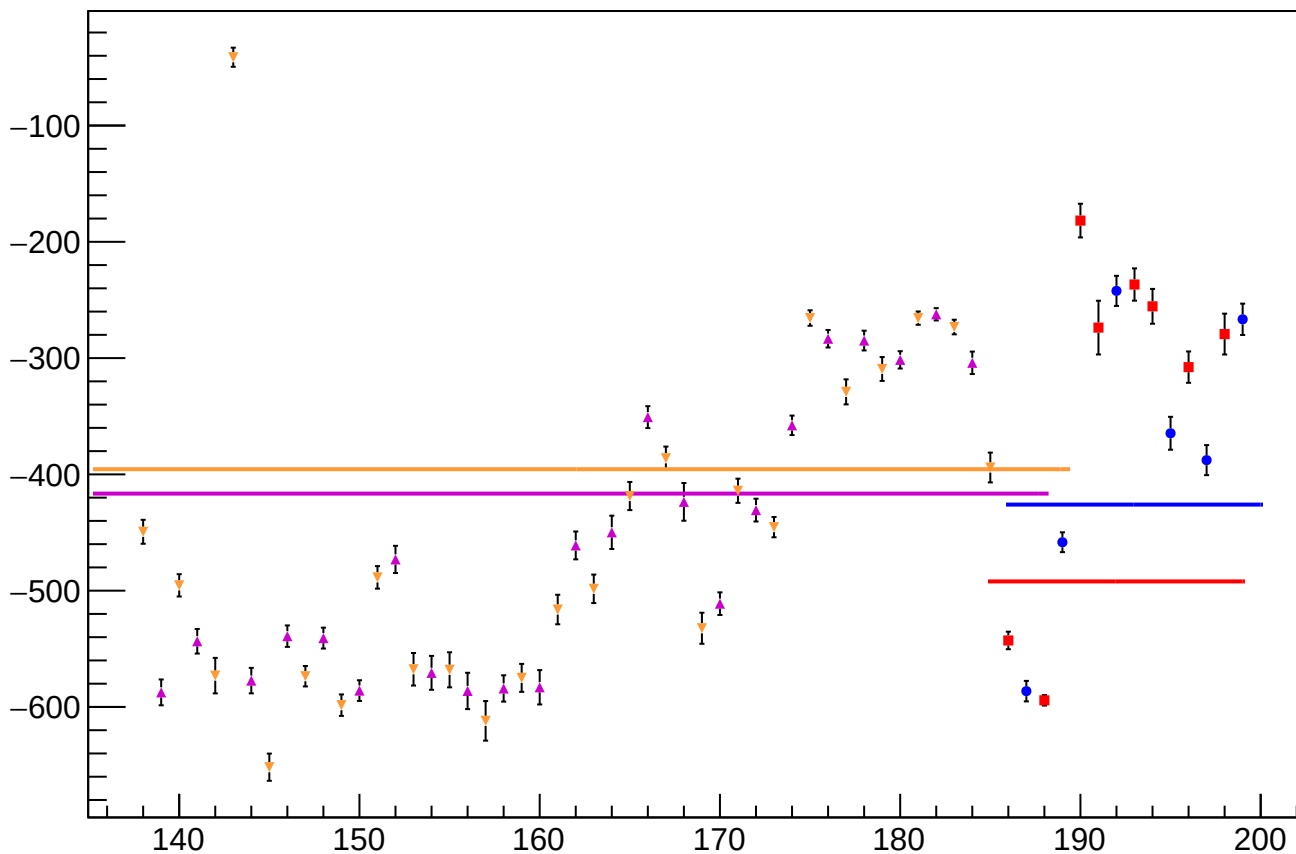
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -14.948 ± 0.018 χ^2/NDF : 986841.5/47

All: -15.051 ± 0.013 χ^2/NDF : 1894625.1/97

- sign -15.154 ± 0.018 χ^2/NDF : 907720.7/49

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -425.975 ± 4.514 χ^2/NDF : 714.3/5

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -492.054 ± 3.292 χ^2/NDF : 2035.3/7

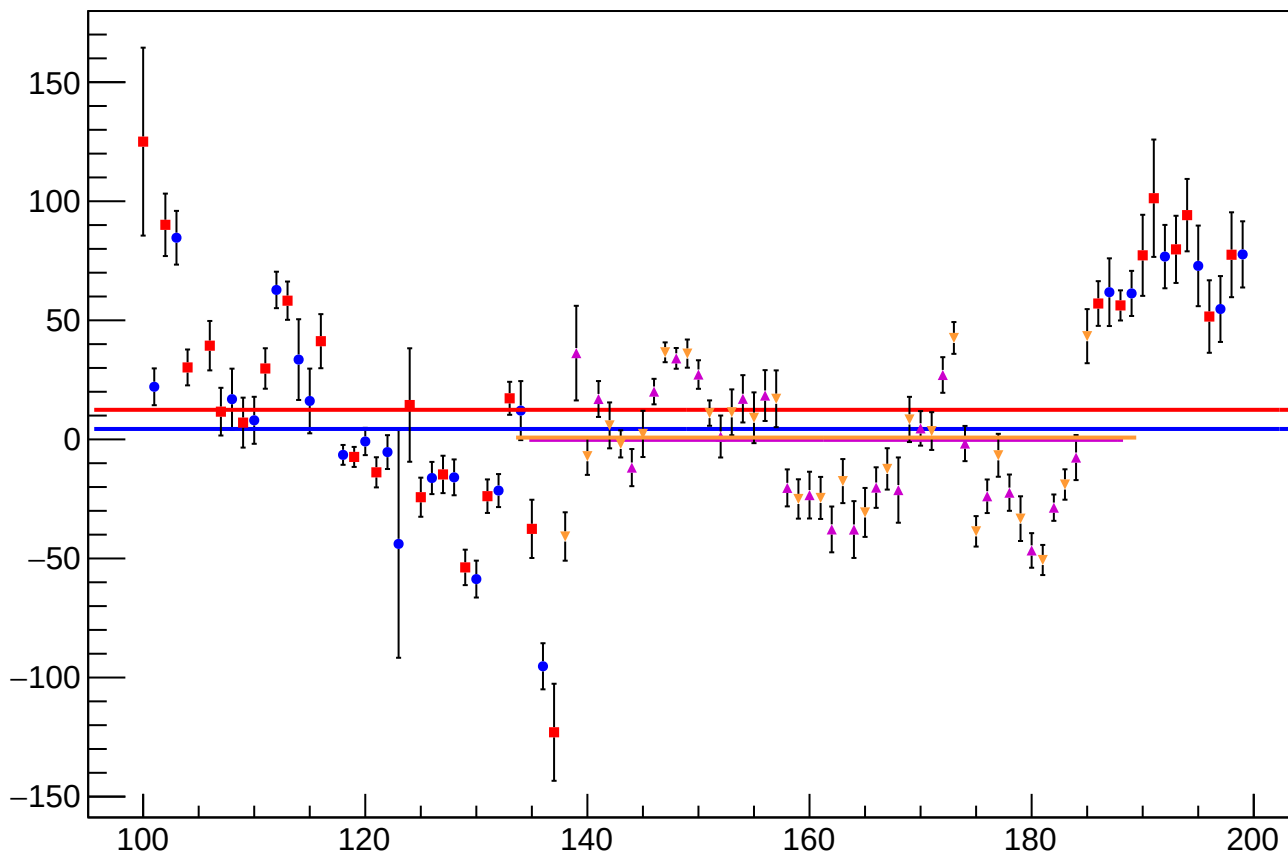
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -400.347 ± 1.793 χ^2/NDF : 6699.1/30

All: -419.493 ± 1.238 χ^2/NDF : 13253.5/61

- sign -436.956 ± 1.712 χ^2/NDF : 6336.3/30

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 4.380 ± 1.811 $\chi^2/\text{NDF}: 472.0/22$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 12.420 ± 1.740 $\chi^2/\text{NDF}: 507.1/26$

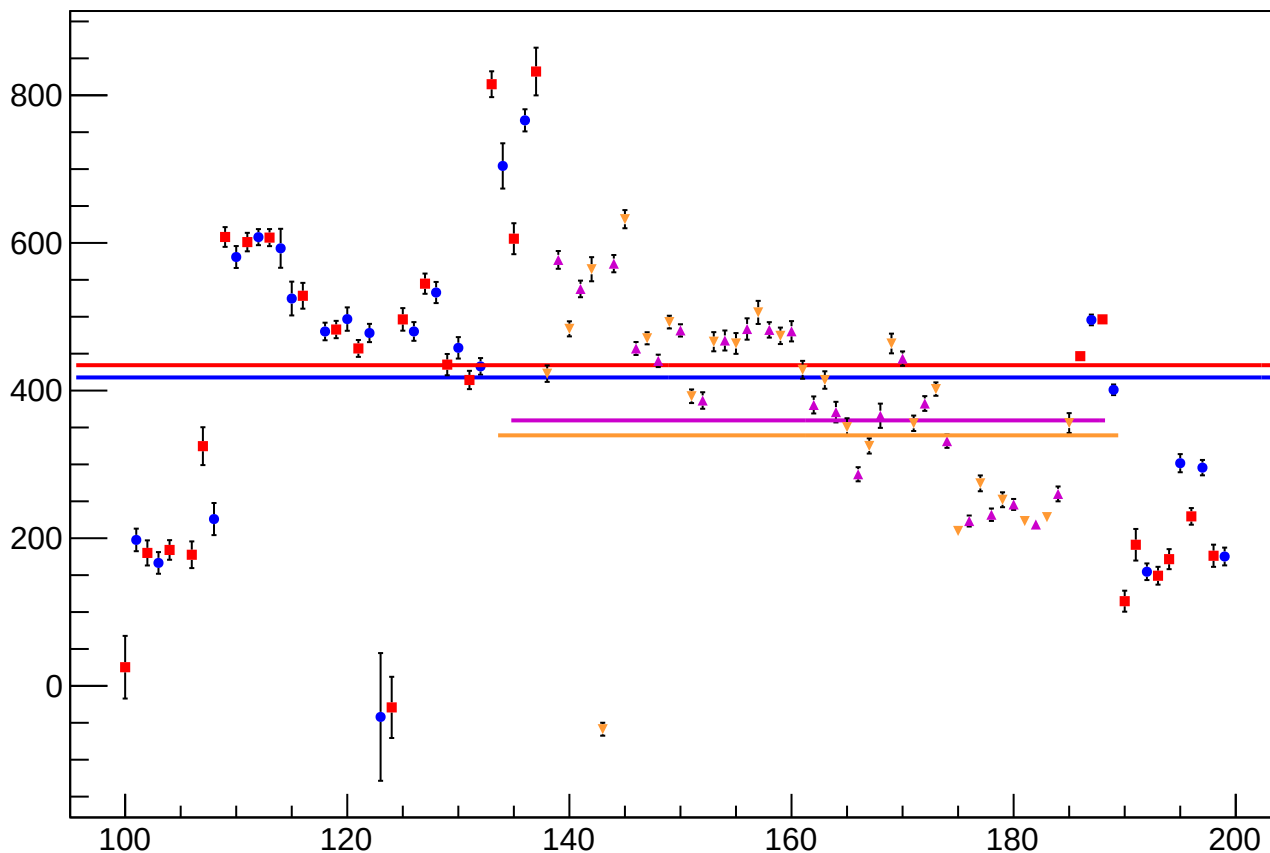
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 2.241 ± 1.156 $\chi^2/\text{NDF}: 824.4/47$

All: 3.846 ± 0.822 $\chi^2/\text{NDF}: 1625.1/97$

- sign 5.484 ± 1.168 $\chi^2/\text{NDF}: 796.9/49$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 417.785 $\pm$ 2.643 χ^2/NDF : 3197.0/22

Left Out: 339.355 $\pm$ 1.963 χ^2/NDF : 5502.5/24

Right Out: 434.379 $\pm$ 2.153 χ^2/NDF : 4901.7/26

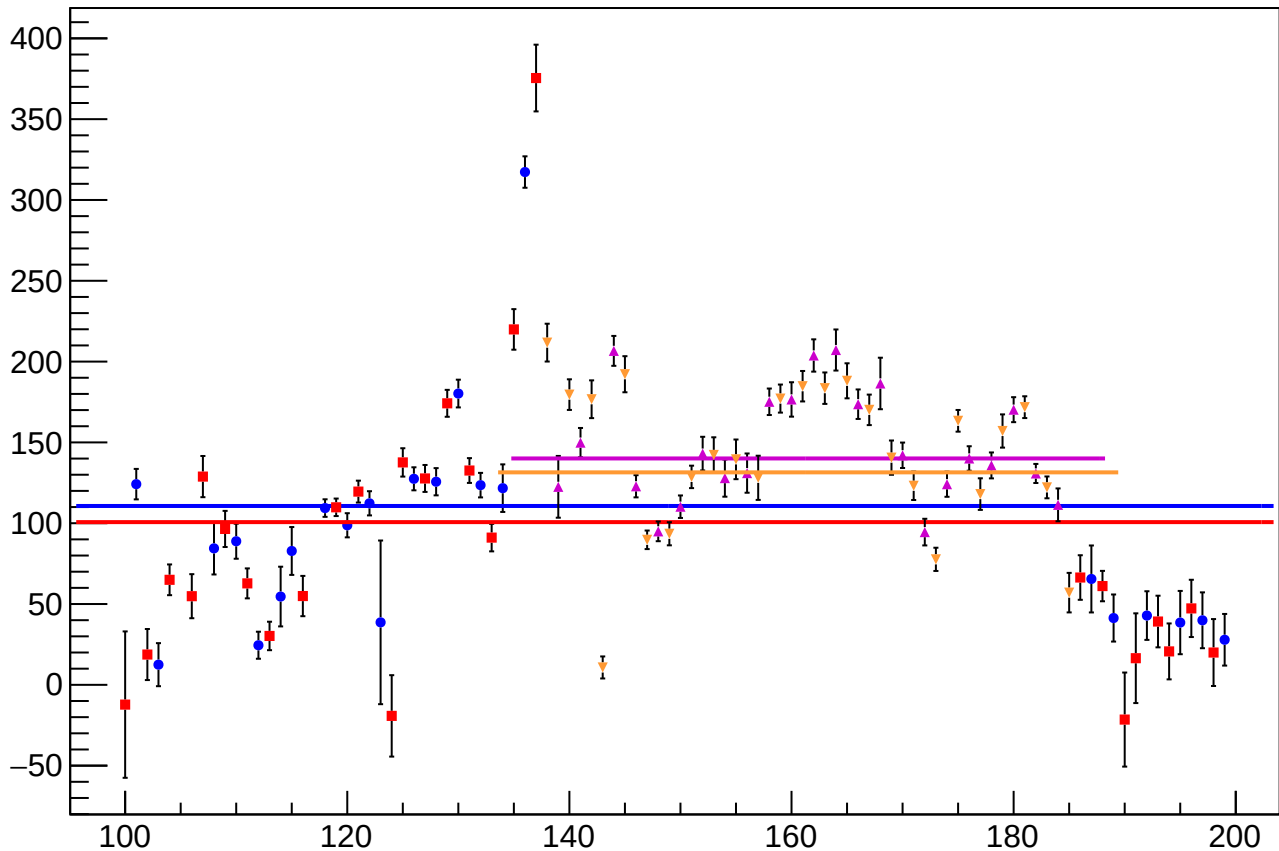
Left In: 359.609 $\pm$ 2.003 χ^2/NDF : 3398.5/22

+ sign 367.232 $\pm$ 1.576 χ^2/NDF : 9267.1/47

All: 381.731 $\pm$ 1.073 χ^2/NDF : 18371.9/97

- sign 394.288 $\pm$ 1.466 χ^2/NDF : 8946.7/49

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 110.668 $\pm$ 2.121 χ^2 /NDF: 820.9/22

Left Out: 131.464 $\pm$ 1.728 χ^2 /NDF: 809.3/24

Right Out: 100.678 $\pm$ 2.055 χ^2 /NDF: 694.2/26

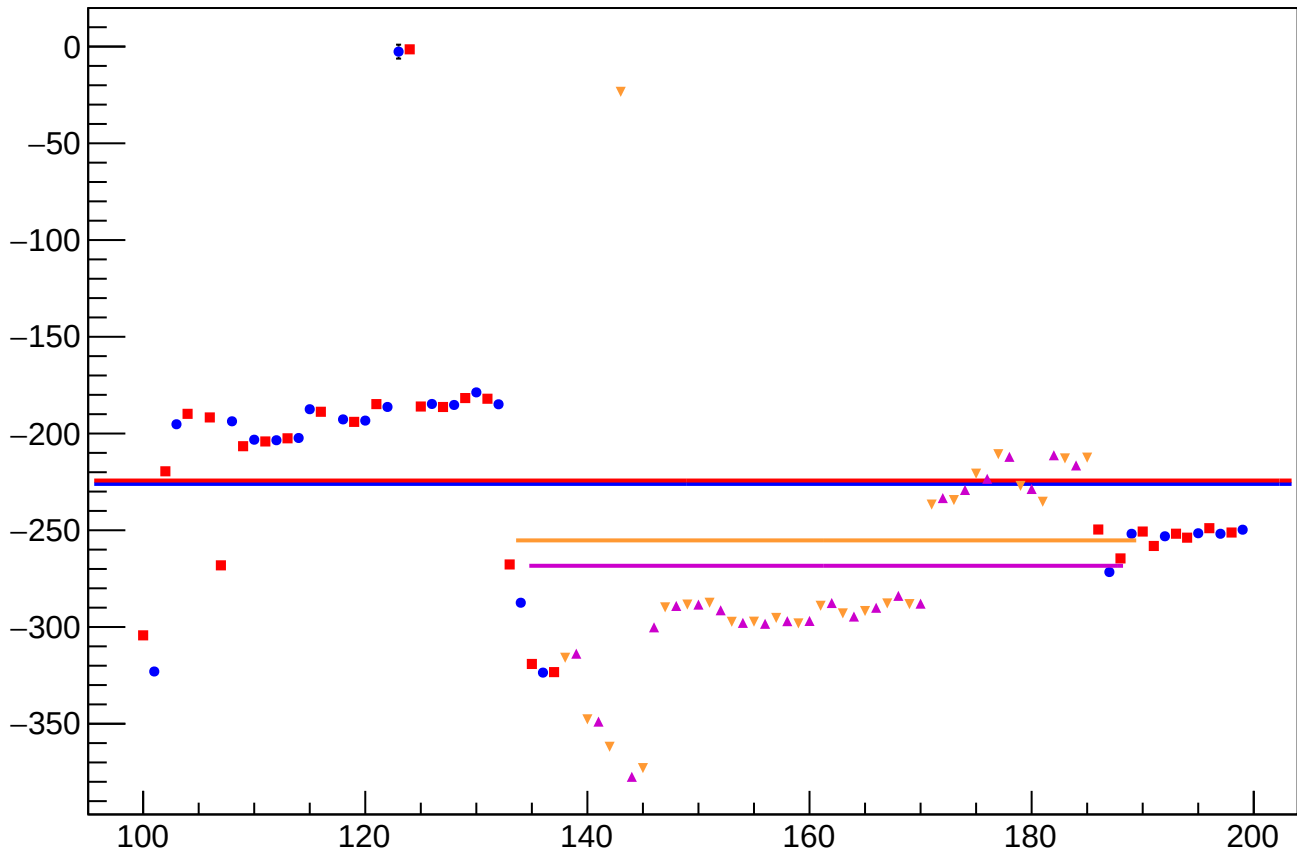
Left In: 140.069 $\pm$ 1.795 χ^2 /NDF: 316.5/22

+ sign 123.169 $\pm$ 1.339 χ^2 /NDF: 1688.0/47

All: 123.097 $\pm$ 0.952 χ^2 /NDF: 2907.1/97

- sign 123.025 $\pm$ 1.352 χ^2 /NDF: 1219.1/49

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -226.037 ± 0.118 $\chi^2/\text{NDF}: 163357.1/22$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -224.289 ± 0.111 $\chi^2/\text{NDF}: 144536.1/26$

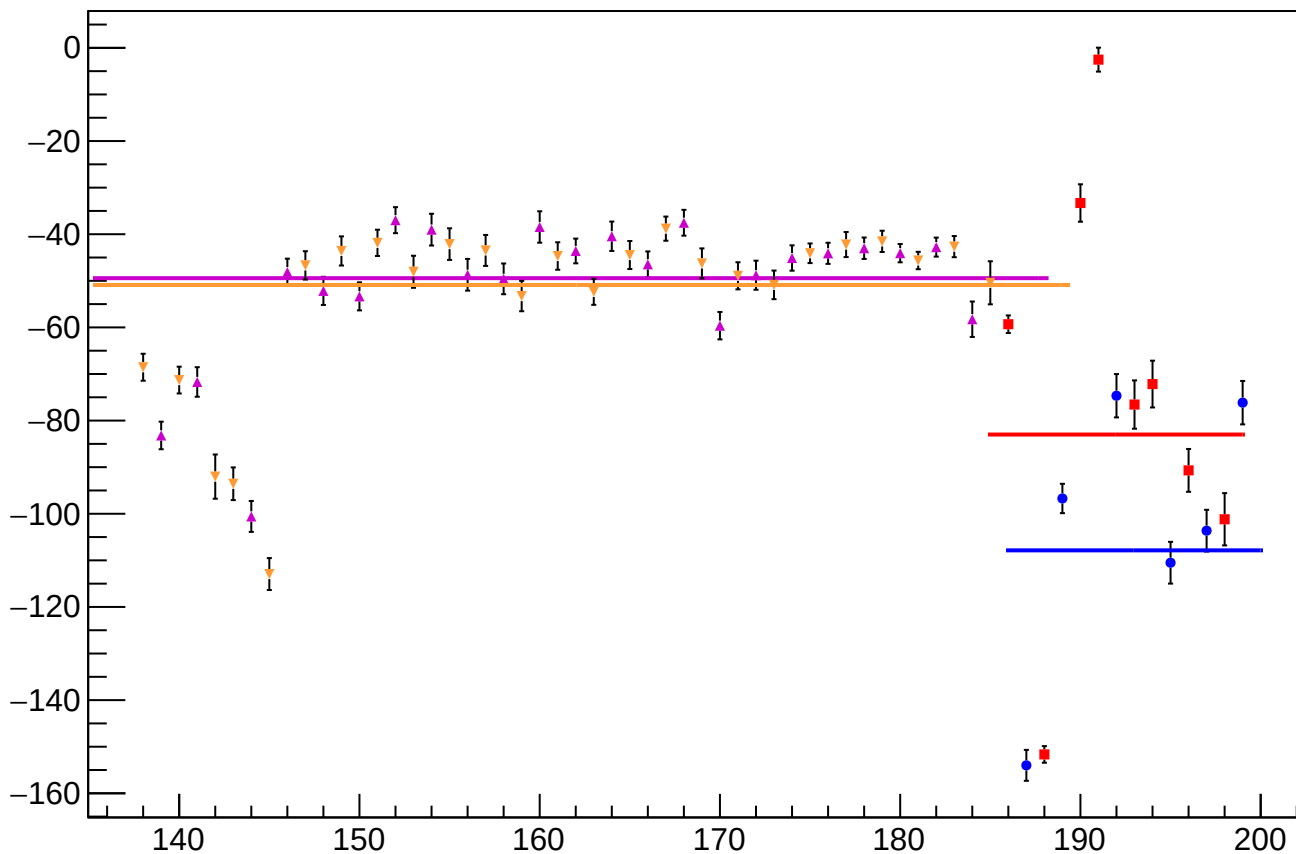
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.768 ± 0.067 $\chi^2/\text{NDF}: 932501.5/47$

All: -249.110 ± 0.047 $\chi^2/\text{NDF}: 1444968.4/97$

- sign -252.391 ± 0.067 $\chi^2/\text{NDF}: 507593.3/49$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -107.853 ± 1.615 χ^2/NDF : 304.3/5

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -82.995 ± 1.017 χ^2/NDF : 2799.1/7

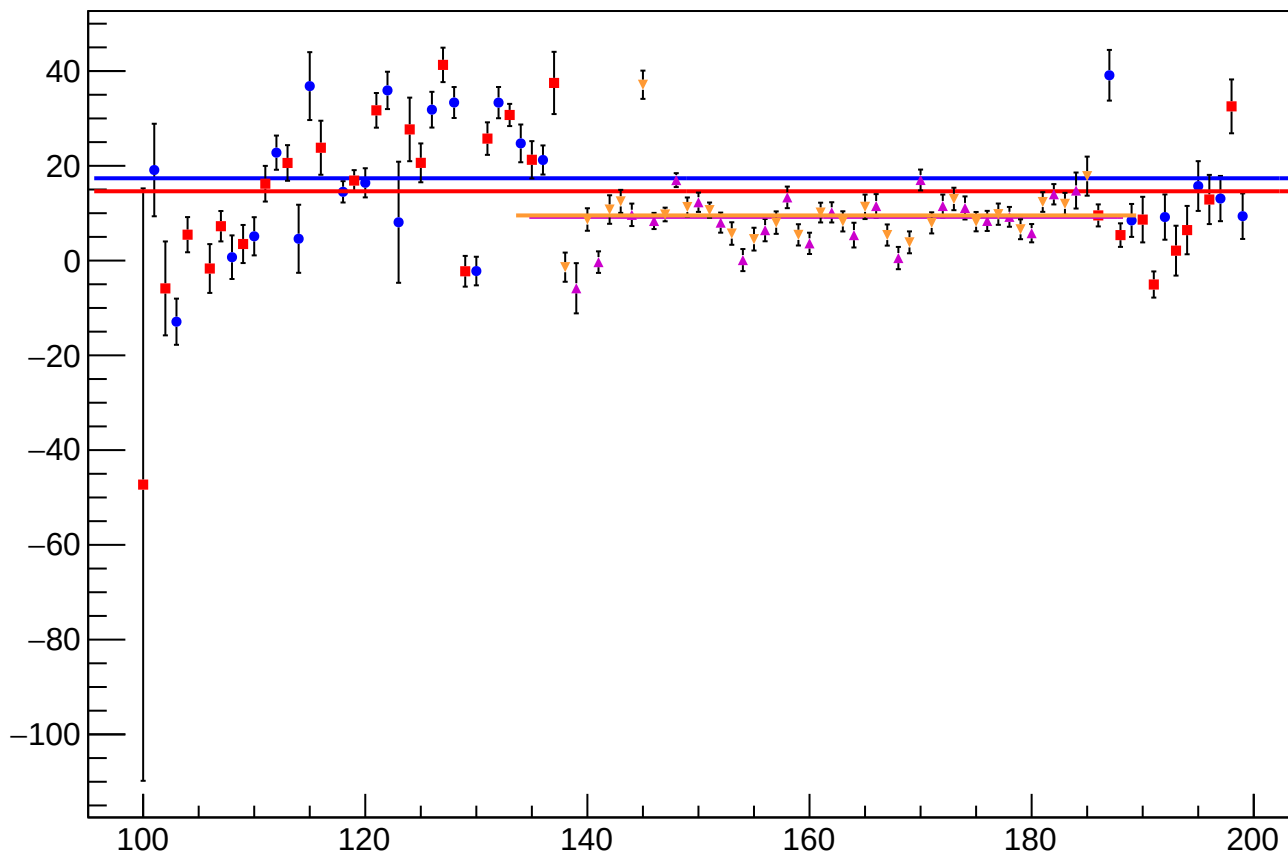
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -57.261 ± 0.540 χ^2/NDF : 2170.2/30

All: -57.521 ± 0.369 χ^2/NDF : 6332.0/61

- sign -57.749 ± 0.506 χ^2/NDF : 4161.3/30

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 17.374 ± 0.825 χ^2/NDF : 237.0/22

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 14.627 ± 0.706 χ^2/NDF : 311.3/26

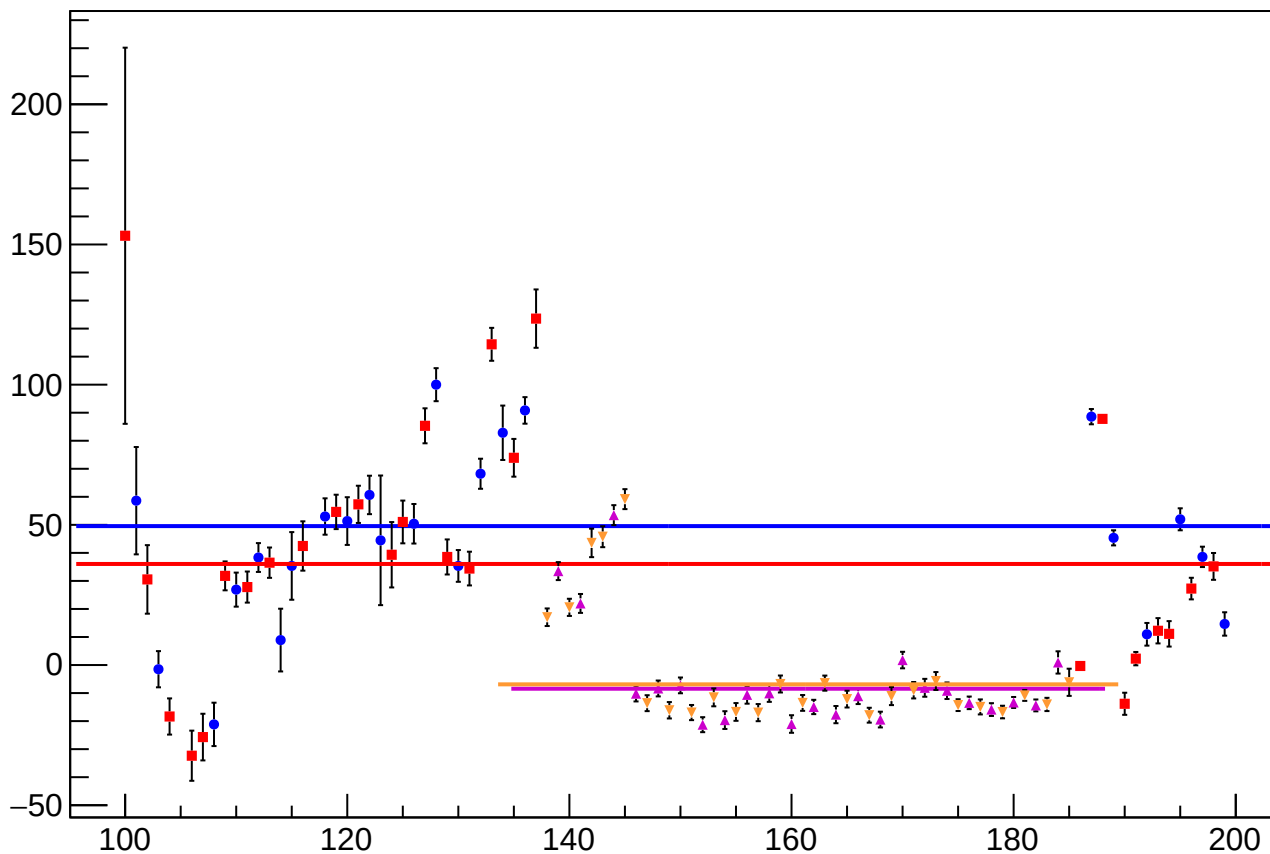
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 11.304 ± 0.392 χ^2/NDF : 441.3/47

All: 11.072 ± 0.275 χ^2/NDF : 918.1/97

- sign 10.846 ± 0.386 χ^2/NDF : 476.1/49

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 49.553 ± 1.062 $\chi^2/\text{NDF}: 740.2/22$

Left Out: -6.888 ± 0.571 $\chi^2/\text{NDF}: 914.2/24$

Right Out: 36.049 ± 0.753 $\chi^2/\text{NDF}: 2861.4/26$

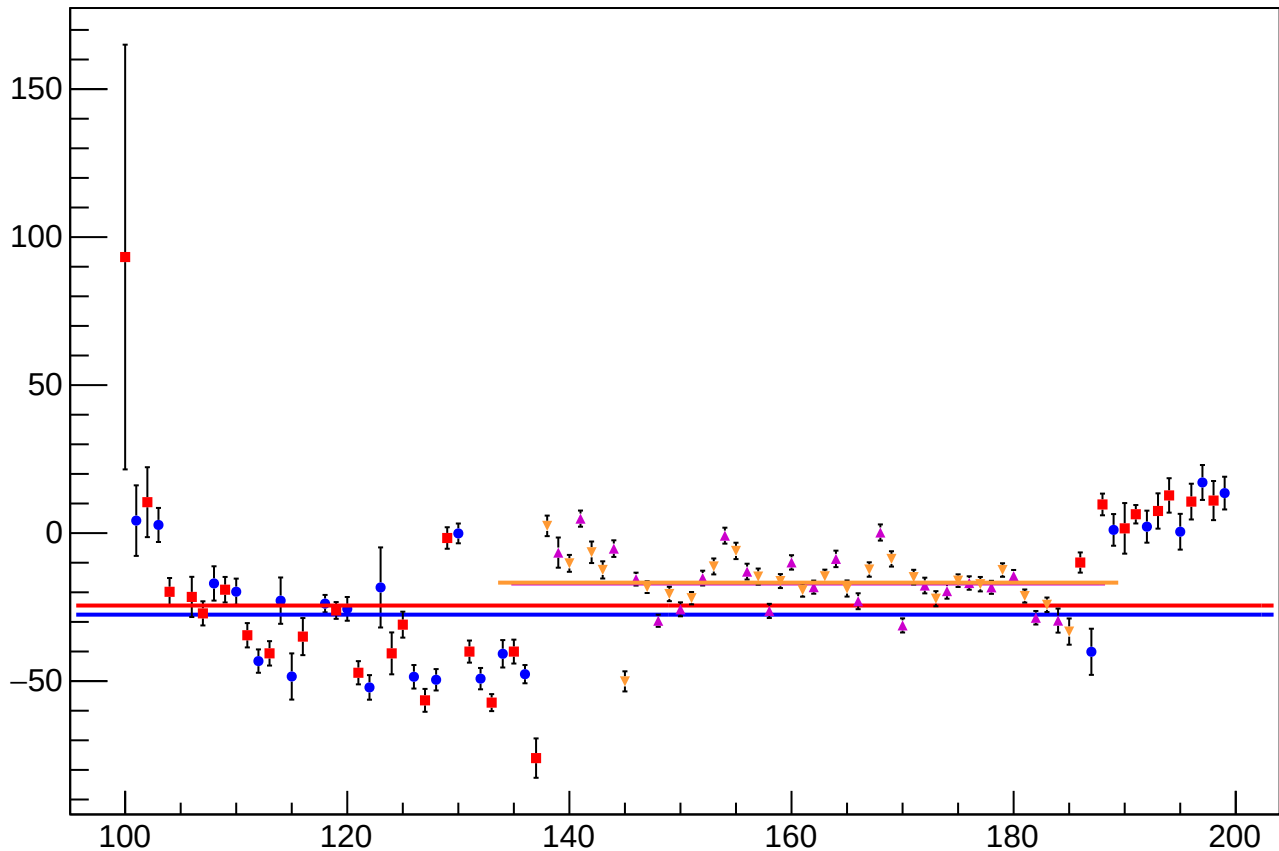
Left In: -8.451 ± 0.580 $\chi^2/\text{NDF}: 688.9/22$

+ sign 5.759 ± 0.503 $\chi^2/\text{NDF}: 3844.0/47$

All: 7.035 ± 0.339 $\chi^2/\text{NDF}: 9596.9/97$

- sign 8.100 ± 0.460 $\chi^2/\text{NDF}: 5741.2/49$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -27.549 ± 0.958 χ^2/NDF : 516.4/22

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -24.468 ± 0.845 χ^2/NDF : 755.7/26

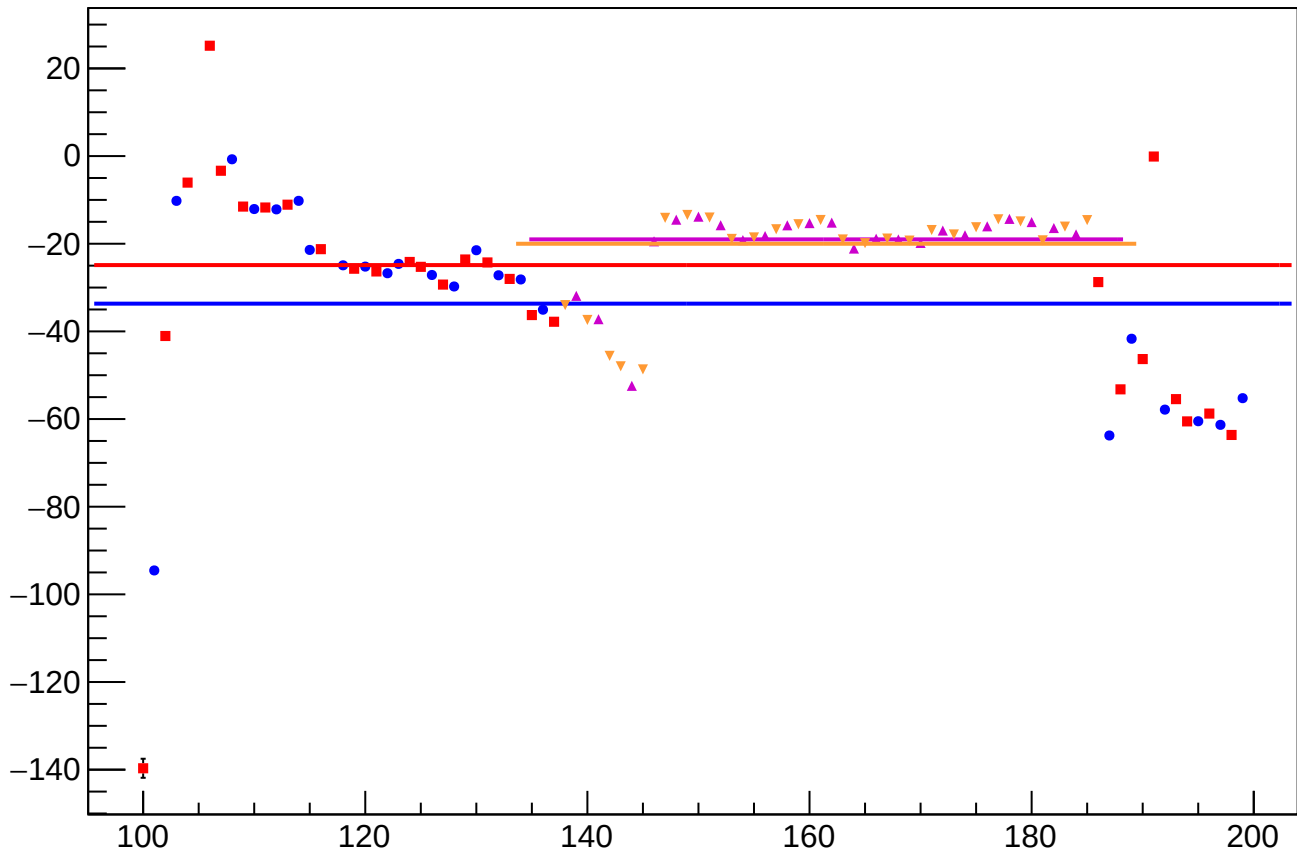
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.097 ± 0.448 χ^2/NDF : 839.3/47

All: -19.087 ± 0.315 χ^2/NDF : 1978.8/97

- sign -19.077 ± 0.444 χ^2/NDF : 1139.5/49

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -33.671 ± 0.048 $\chi^2/\text{NDF}: 177957.5/22$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -24.872 ± 0.040 $\chi^2/\text{NDF}: 352329.5/26$

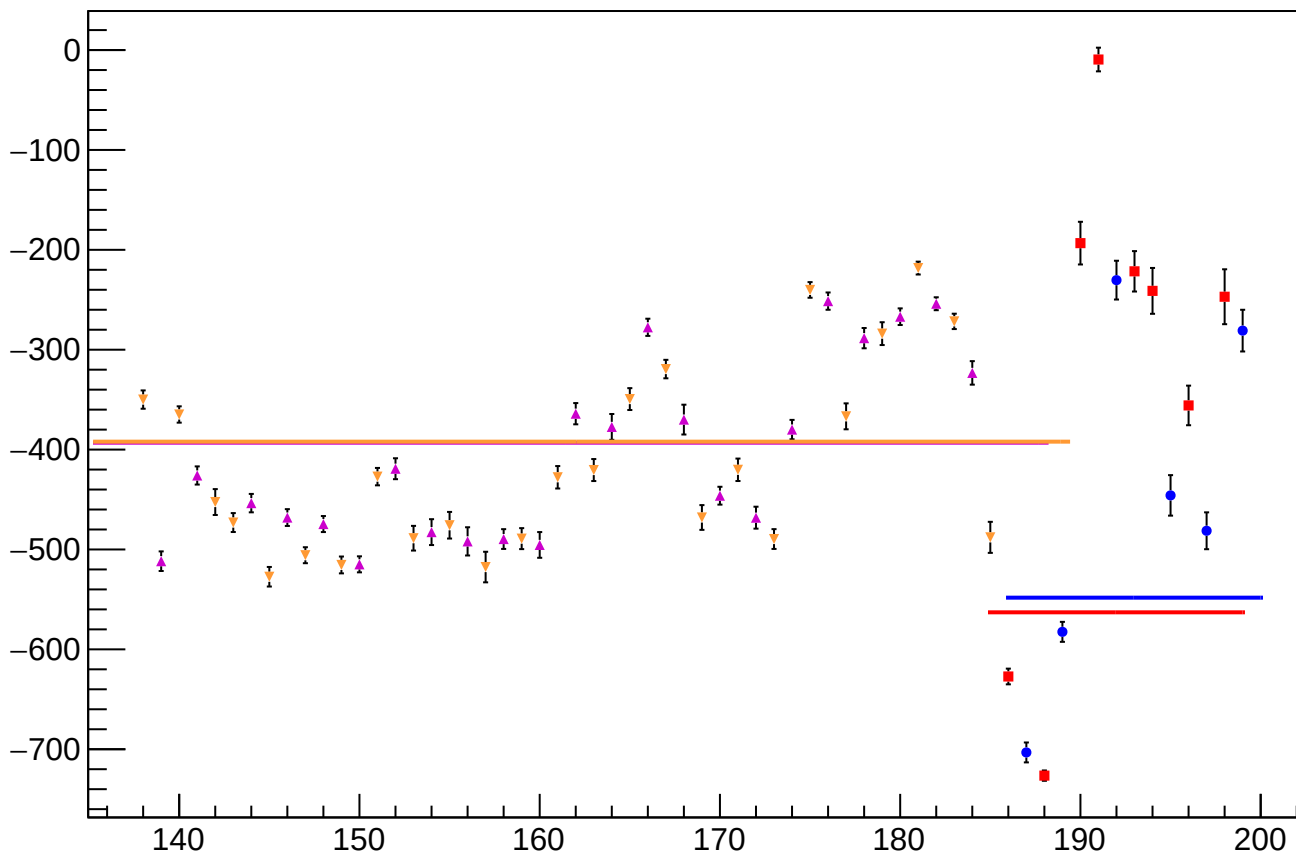
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -22.646 ± 0.021 $\chi^2/\text{NDF}: 390067.3/47$

All: -21.556 ± 0.015 $\chi^2/\text{NDF}: 854404.6/97$

- sign -20.522 ± 0.020 $\chi^2/\text{NDF}: 459047.7/49$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -548.253 ± 5.737 χ^2/NDF : 724.4/5

Left Out: -392.054 ± 1.967 χ^2/NDF : 2717.2/24

Right Out: -562.929 ± 3.753 χ^2/NDF : 4264.4/7

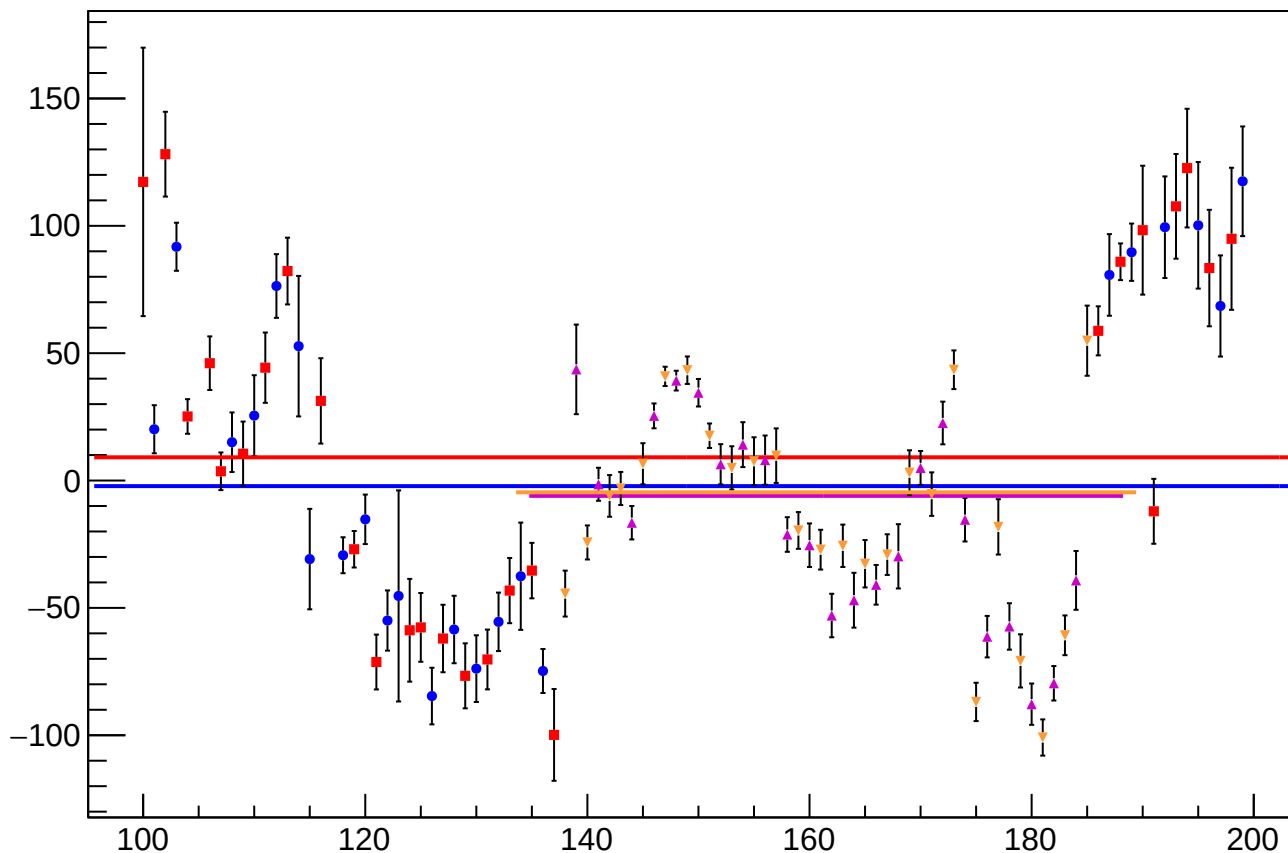
Left In: -393.113 ± 2.006 χ^2/NDF : 2253.3/22

+ sign -408.479 ± 1.860 χ^2/NDF : 4104.9/30

All: -420.216 ± 1.282 χ^2/NDF : 12290.7/61

- sign -430.828 ± 1.769 χ^2/NDF : 8110.0/30

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -2.193 ± 2.618 $\chi^2/\text{NDF}: 571.0/22$

Left Out: -4.624 ± 1.462 $\chi^2/\text{NDF}: 772.9/24$

Right Out: 9.117 ± 2.283 $\chi^2/\text{NDF}: 641.9/26$

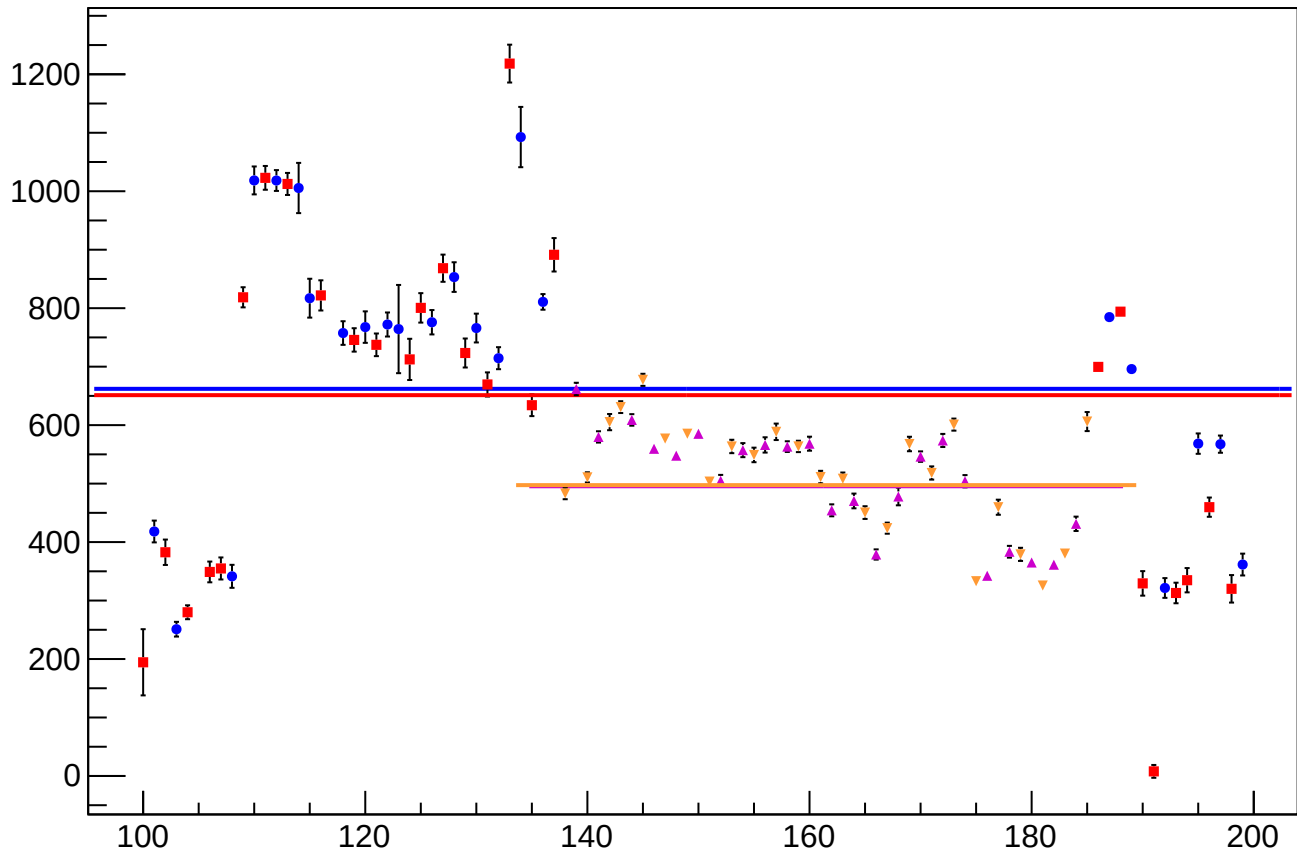
Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

+ sign -4.046 ± 1.277 $\chi^2/\text{NDF}: 1344.6/47$

All: -2.702 ± 0.898 $\chi^2/\text{NDF}: 2673.3/97$

- sign -1.387 ± 1.263 $\chi^2/\text{NDF}: 1326.5/49$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 662.090 $\pm$ 3.481 χ^2 /NDF: 3564.2/22

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF: 2614.6/24

Right Out: 651.251 $\pm$ 2.591 χ^2 /NDF: 8966.0/26

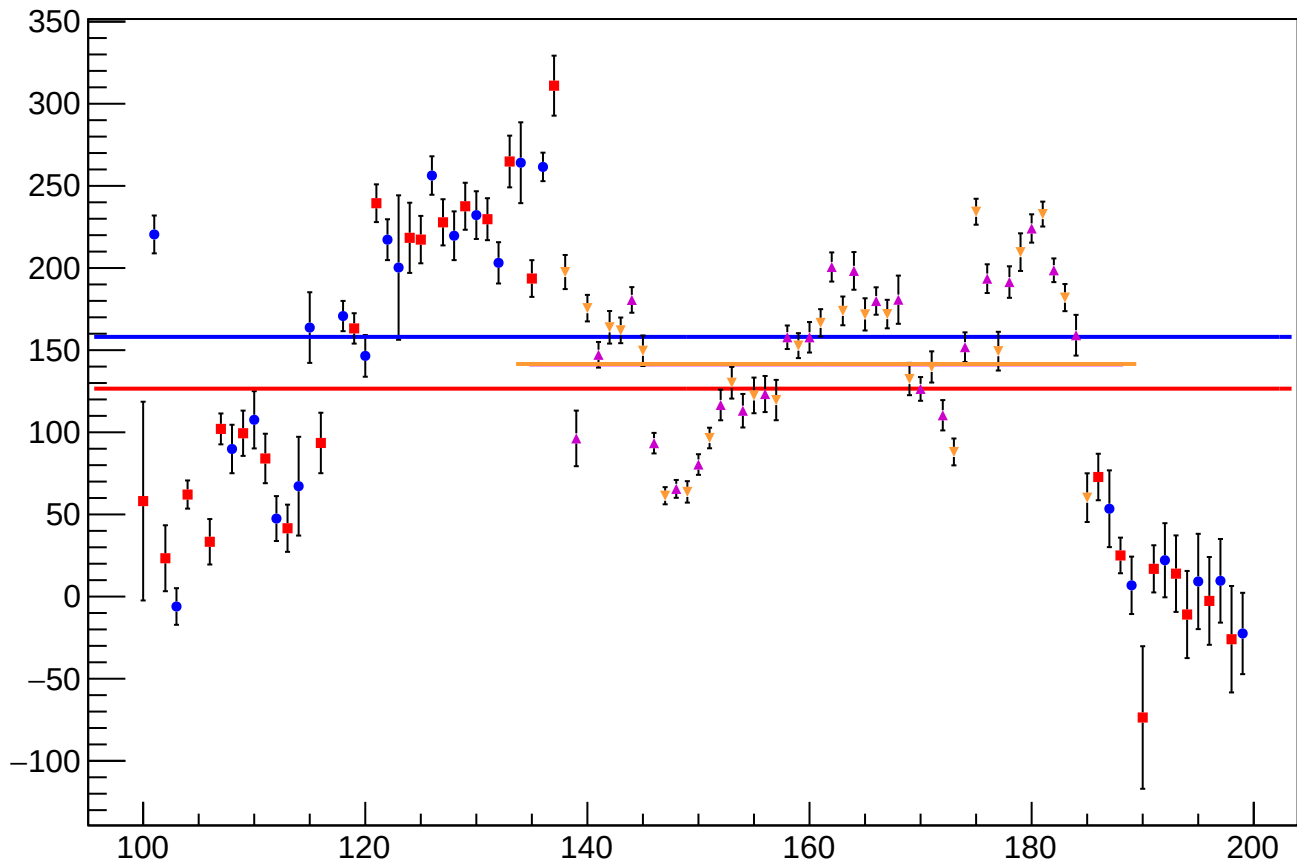
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 537.218 $\pm$ 1.712 χ^2 /NDF: 7876.6/47

All: 545.924 $\pm$ 1.161 χ^2 /NDF: 21416.4/97

- sign 553.335 $\pm$ 1.579 χ^2 /NDF: 13491.9/49

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 158.081 ± 3.066 $\chi^2/\text{NDF}: 909.1/22$

Left Out: 141.588 ± 1.698 $\chi^2/\text{NDF}: 959.6/24$

Right Out: 126.575 ± 2.750 $\chi^2/\text{NDF}: 1026.8/26$

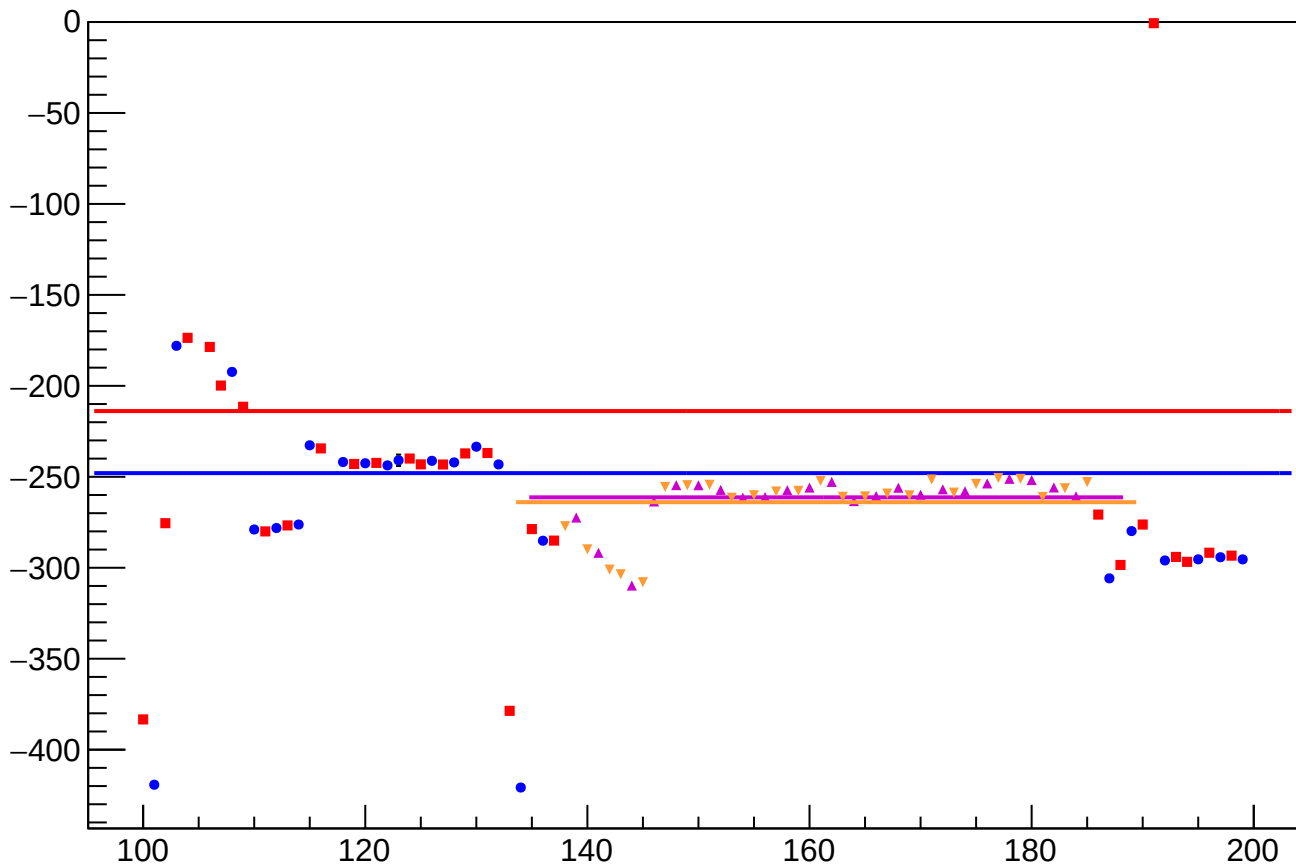
Left In: 141.360 ± 1.748 $\chi^2/\text{NDF}: 741.2/22$

+ sign 145.461 ± 1.486 $\chi^2/\text{NDF}: 1890.8/47$

All: 141.253 ± 1.047 $\chi^2/\text{NDF}: 3695.3/97$

- sign 137.105 ± 1.475 $\chi^2/\text{NDF}: 1788.6/49$

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -247.974 ± 0.146 χ^2/NDF : 188452.6/22

Left Out: -263.943 ± 0.081 χ^2/NDF : 39085.0/24

Right Out: -213.857 ± 0.128 χ^2/NDF : 468736.0/26

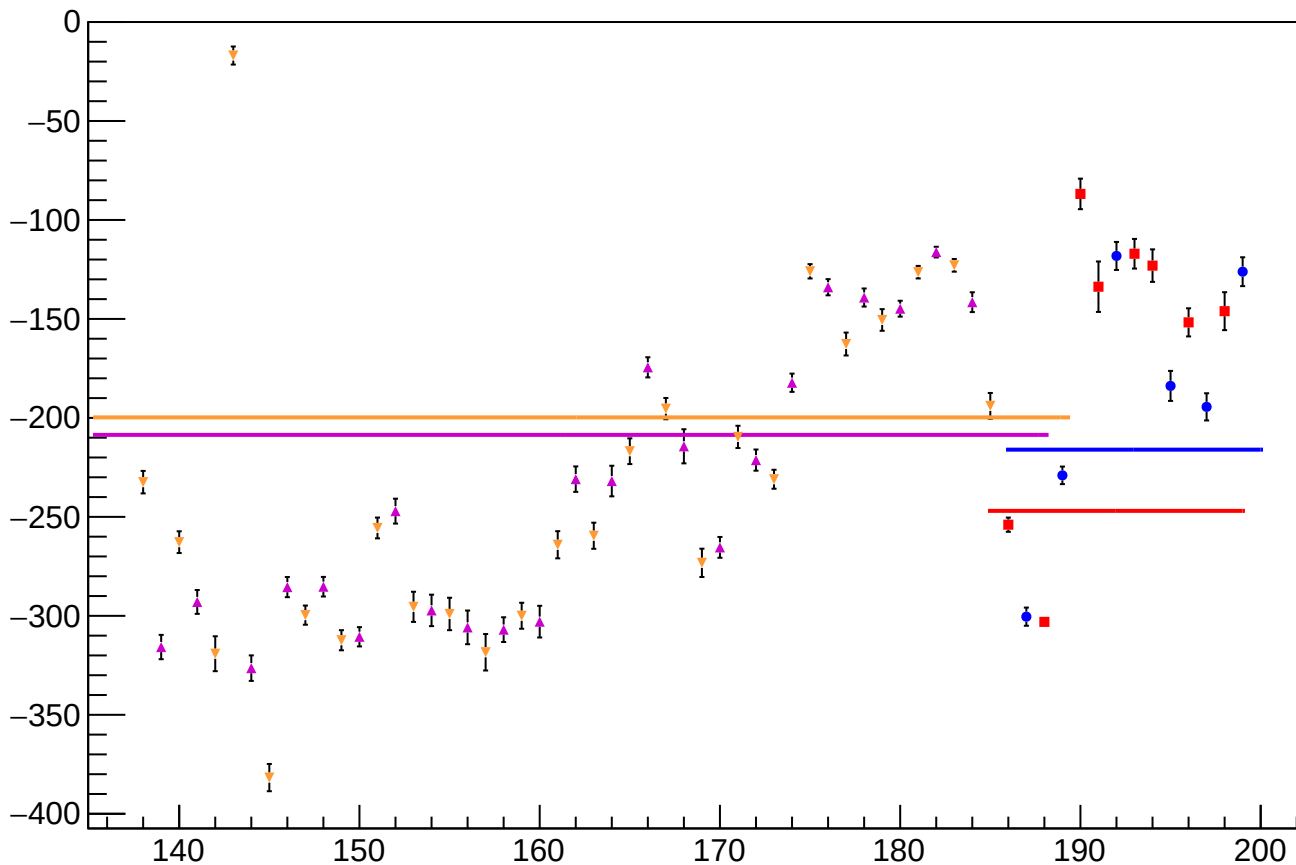
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -260.157 ± 0.071 χ^2/NDF : 236698.2/47

All: -253.690 ± 0.050 χ^2/NDF : 841860.2/97

- sign -247.558 ± 0.069 χ^2/NDF : 588982.3/49

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -216.039 $\pm$ 2.386 χ^2 /NDF: 717.5/5

Left Out: -199.741 $\pm$ 1.061 χ^2 /NDF: 6361.5/24

Right Out: -246.964 $\pm$ 1.710 χ^2 /NDF: 1891.7/7

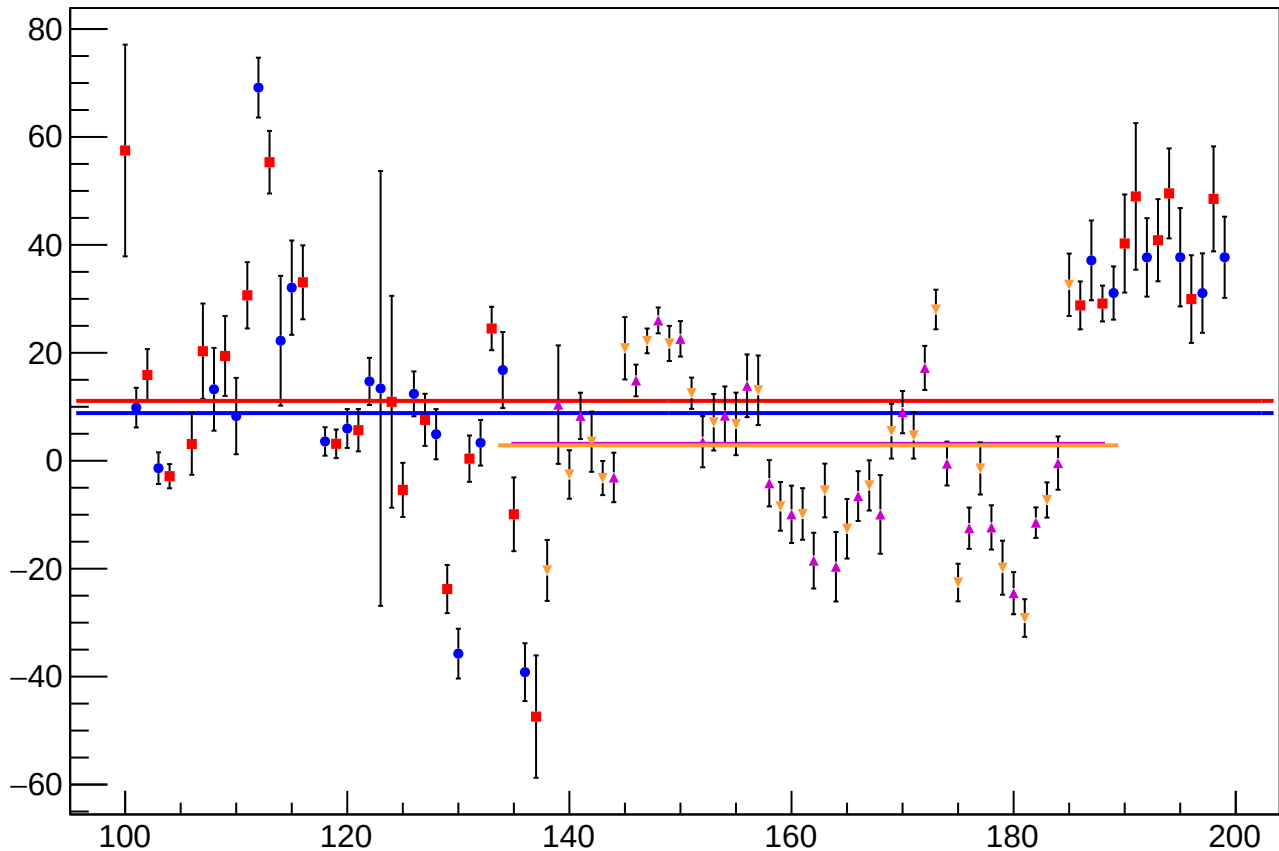
Left In: -208.579 $\pm$ 1.082 χ^2 /NDF: 4805.1/22

+ sign -202.433 $\pm$ 0.970 χ^2 /NDF: 7118.0/30

All: -211.493 $\pm$ 0.665 χ^2 /NDF: 14339.5/61

- sign -219.555 $\pm$ 0.915 χ^2 /NDF: 7056.5/30

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 8.835 ± 1.030 $\chi^2/\text{NDF}: 408.5/22$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 11.097 ± 0.958 $\chi^2/\text{NDF}: 385.3/26$

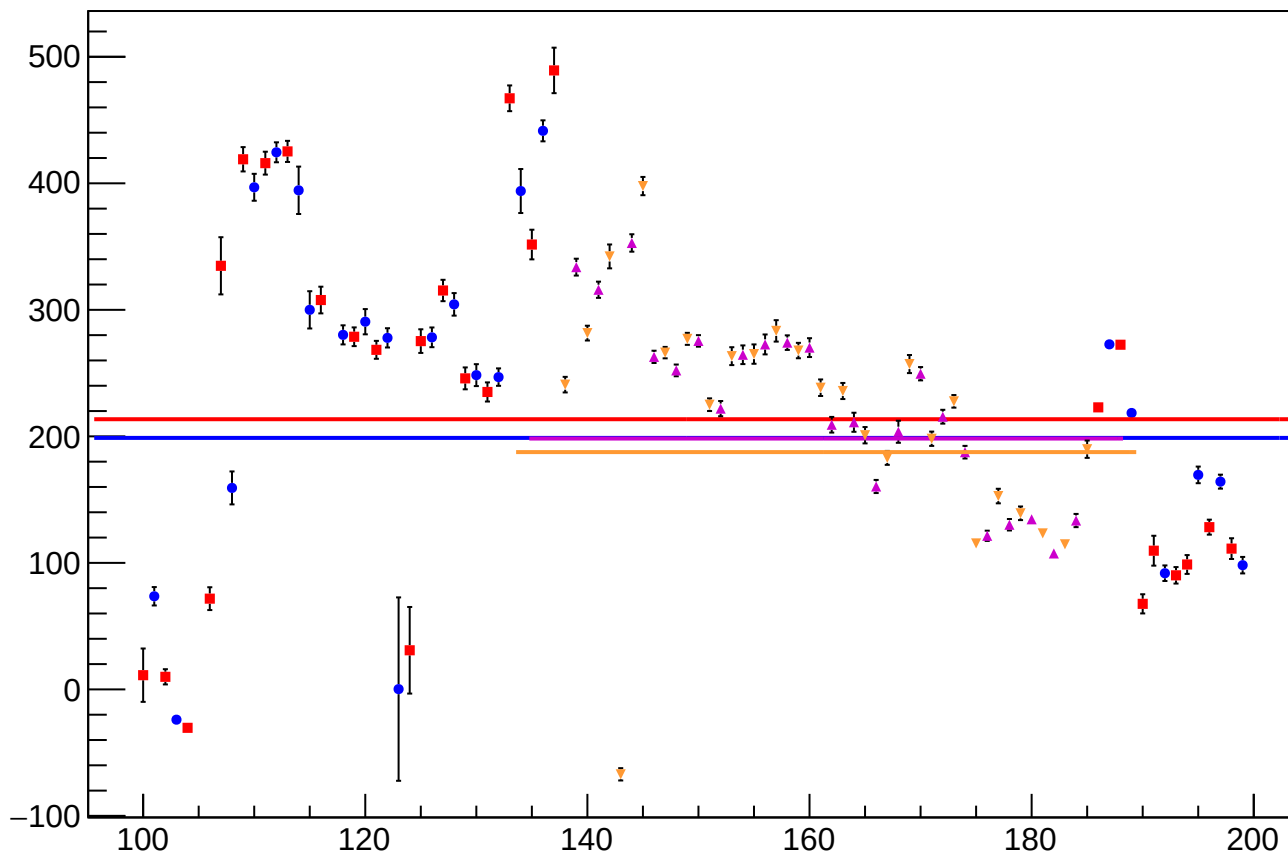
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 5.173 ± 0.642 $\chi^2/\text{NDF}: 849.0/47$

All: 5.926 ± 0.453 $\chi^2/\text{NDF}: 1595.1/97$

- sign 6.673 ± 0.639 $\chi^2/\text{NDF}: 743.4/49$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 198.784 $\pm$ 1.413 χ^2 /NDF: 7729.2/22

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 213.543 $\pm$ 1.136 χ^2 /NDF: 10709.9/26

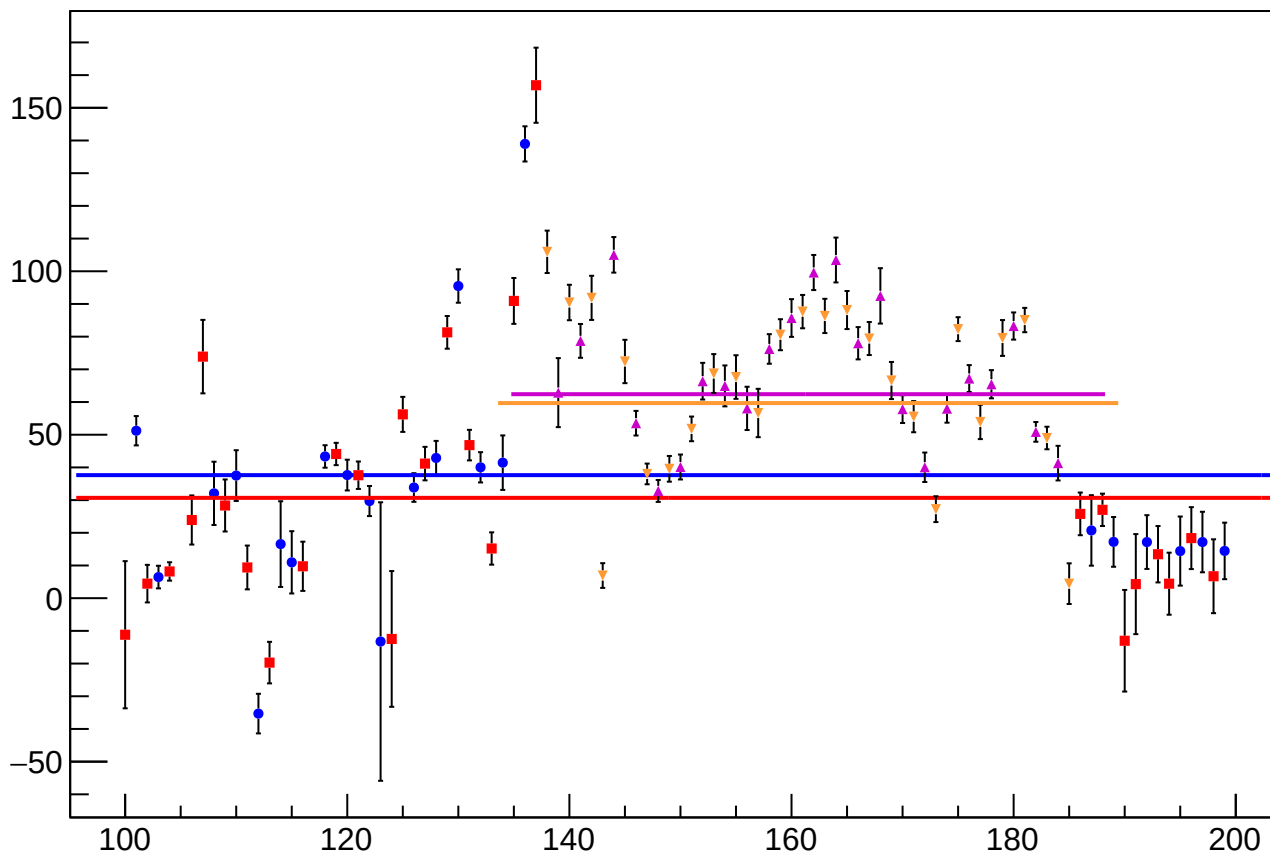
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 191.634 $\pm$ 0.851 χ^2 /NDF: 14851.5/47

All: 199.158 $\pm$ 0.576 χ^2 /NDF: 30316.4/97

- sign 205.533 $\pm$ 0.783 χ^2 /NDF: 15320.5/49

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 37.639 $\pm$ 1.213 χ^2 /NDF: 770.7/22

Left Out: 59.682 $\pm$ 0.941 χ^2 /NDF: 757.6/24

Right Out: 30.690 $\pm$ 1.152 χ^2 /NDF: 582.7/26

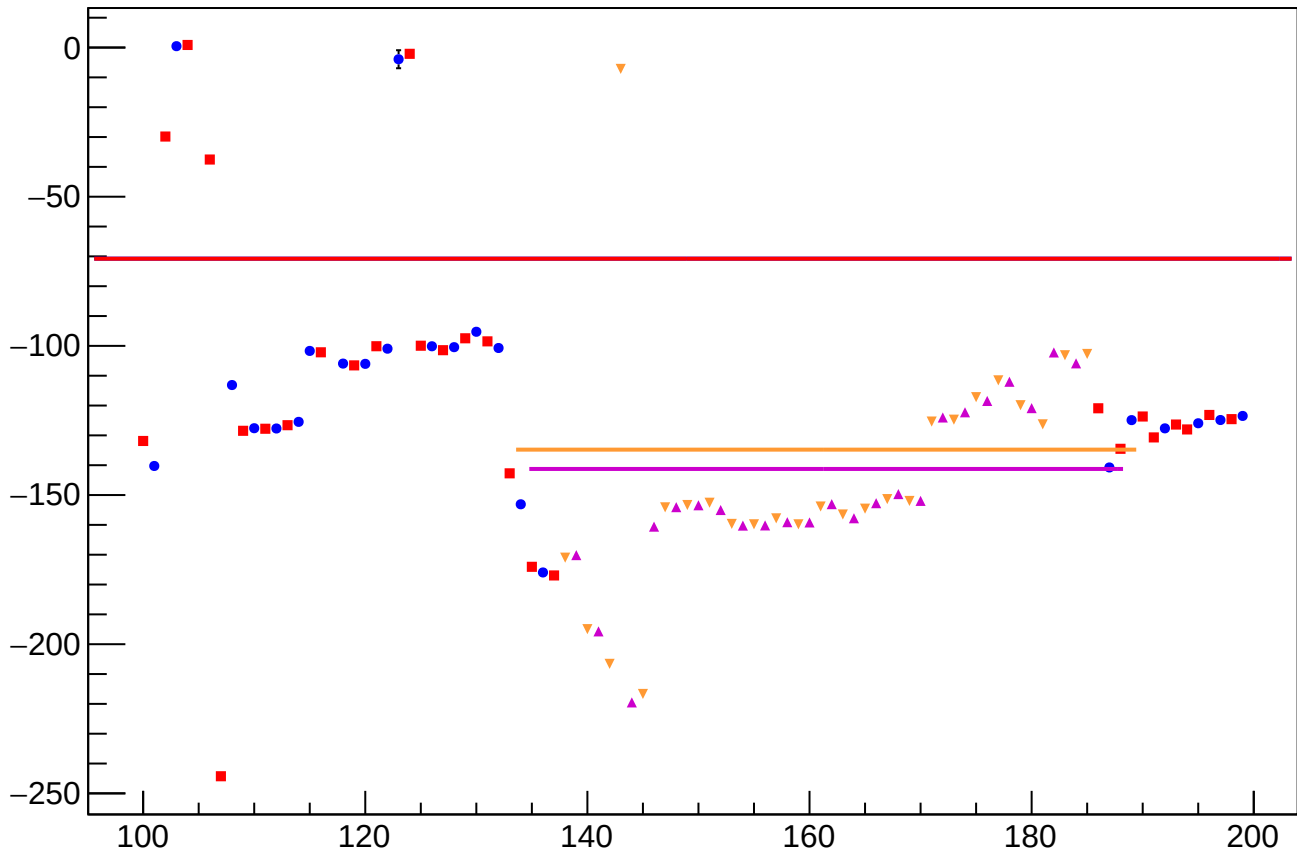
Left In: 62.400 $\pm$ 0.974 χ^2 /NDF: 406.3/22

+ sign 51.403 $\pm$ 0.743 χ^2 /NDF: 1734.5/47

All: 50.291 $\pm$ 0.526 χ^2 /NDF: 3169.9/97

- sign 49.177 $\pm$ 0.744 χ^2 /NDF: 1430.9/49

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -70.765 ± 0.056 $\chi^2/\text{NDF}: 1333590.1/22$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -70.782 ± 0.053 $\chi^2/\text{NDF}: 1322029.9/26$

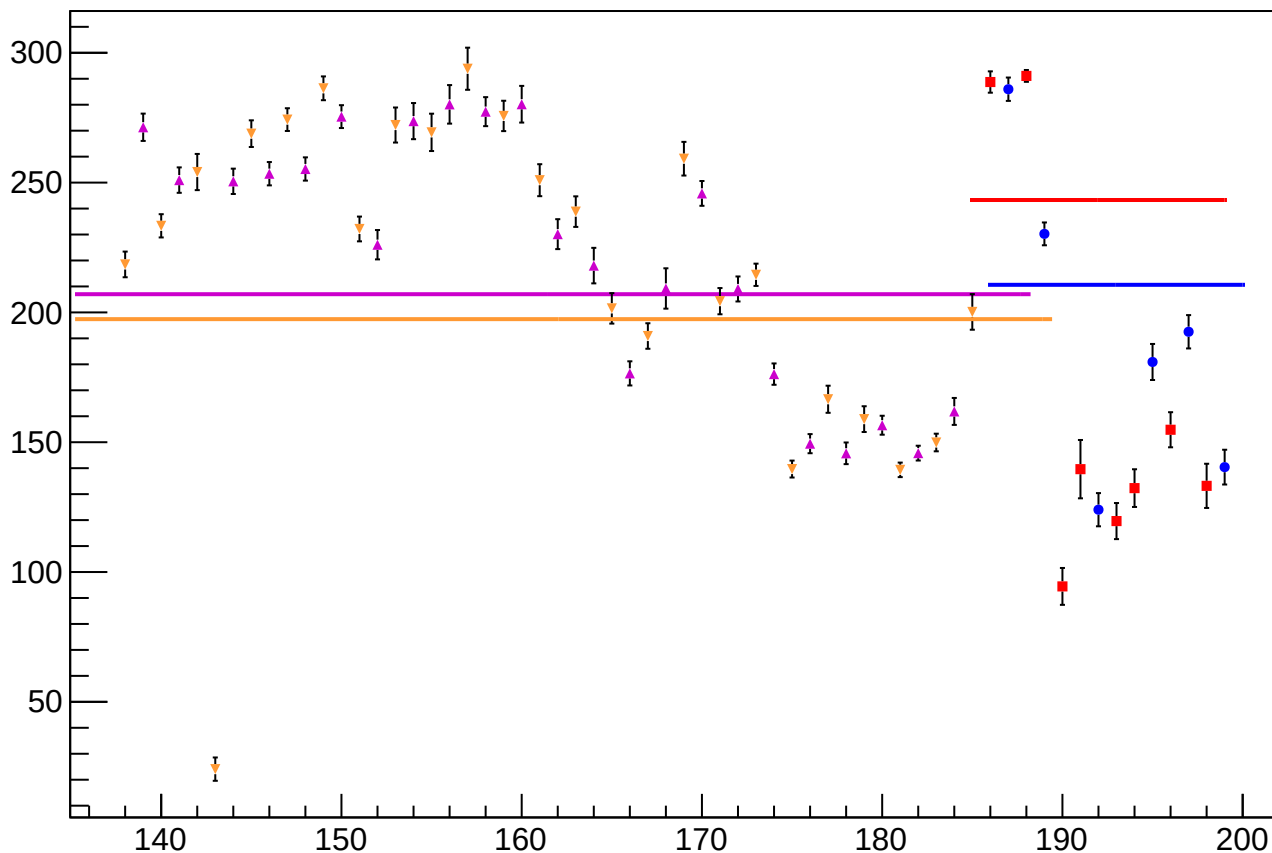
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -109.800 ± 0.035 $\chi^2/\text{NDF}: 2945757.4/47$

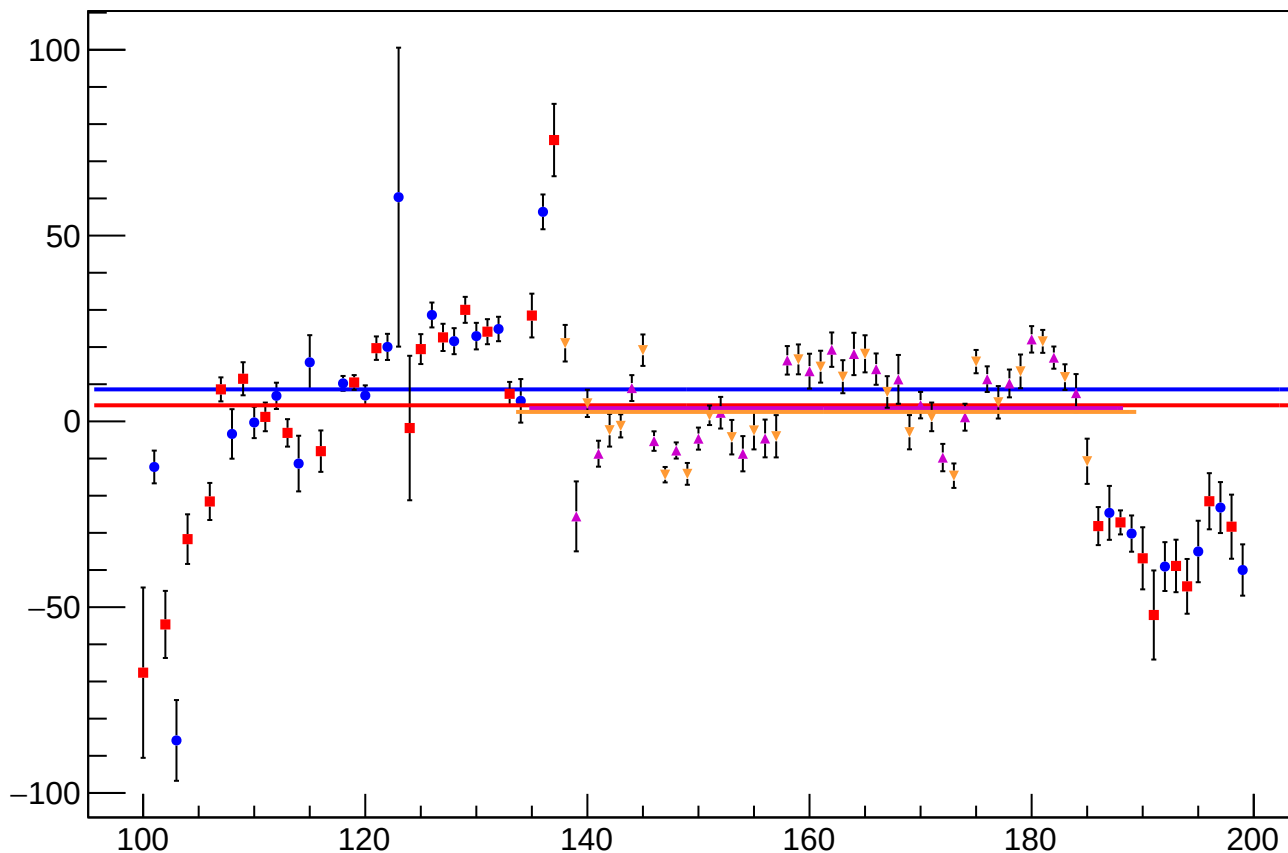
All: -110.737 ± 0.024 $\chi^2/\text{NDF}: 5633243.0/97$

- sign -111.660 ± 0.034 $\chi^2/\text{NDF}: 2686043.1/49$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 8.611 ± 0.885 χ^2/NDF : 557.6/22

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 4.325 ± 0.839 χ^2/NDF : 643.8/26

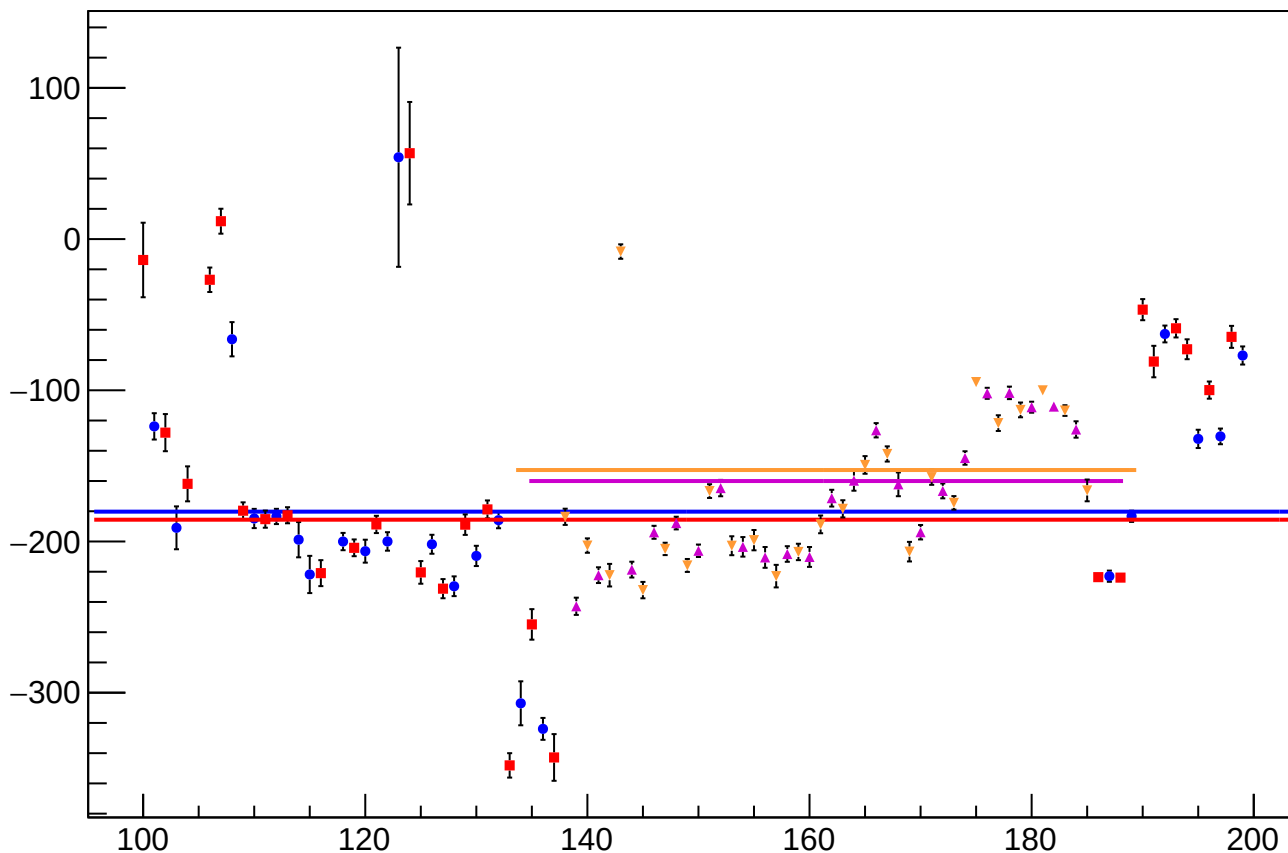
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 5.047 ± 0.568 χ^2/NDF : 860.6/47

All: 4.480 ± 0.402 χ^2/NDF : 1698.9/97

- sign 3.911 ± 0.569 χ^2/NDF : 836.2/49

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -180.264 ± 1.314 χ^2/NDF : 1795.1/22

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -185.591 ± 1.076 χ^2/NDF : 4046.6/26

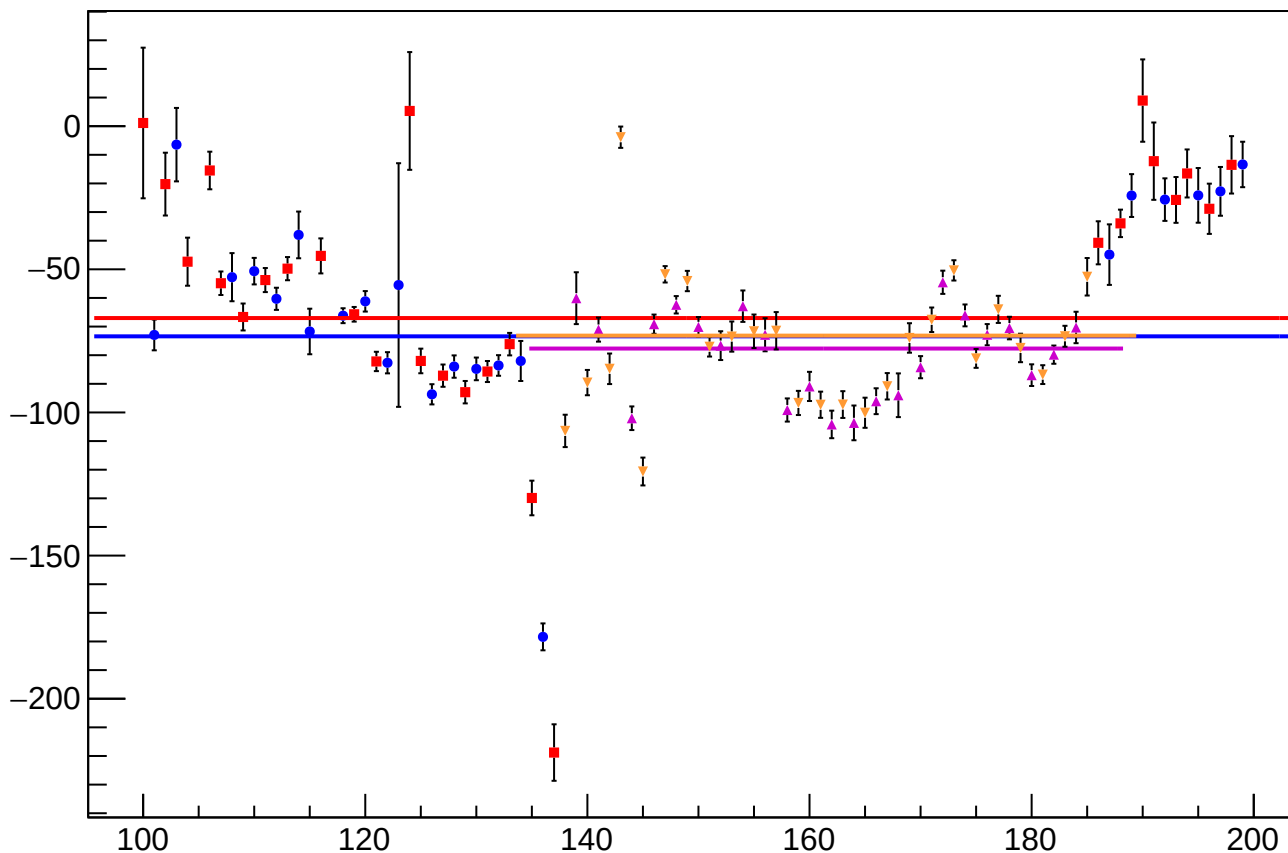
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -162.407 ± 0.779 χ^2/NDF : 5157.6/47

All: -167.383 ± 0.532 χ^2/NDF : 11611.3/97

- sign -171.729 ± 0.728 χ^2/NDF : 6377.3/49

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -73.414 ± 1.033 $\chi^2/\text{NDF}: 881.4/22$

Left Out: -73.165 ± 0.851 $\chi^2/\text{NDF}: 788.6/24$

Right Out: -67.025 ± 0.988 $\chi^2/\text{NDF}: 847.1/26$

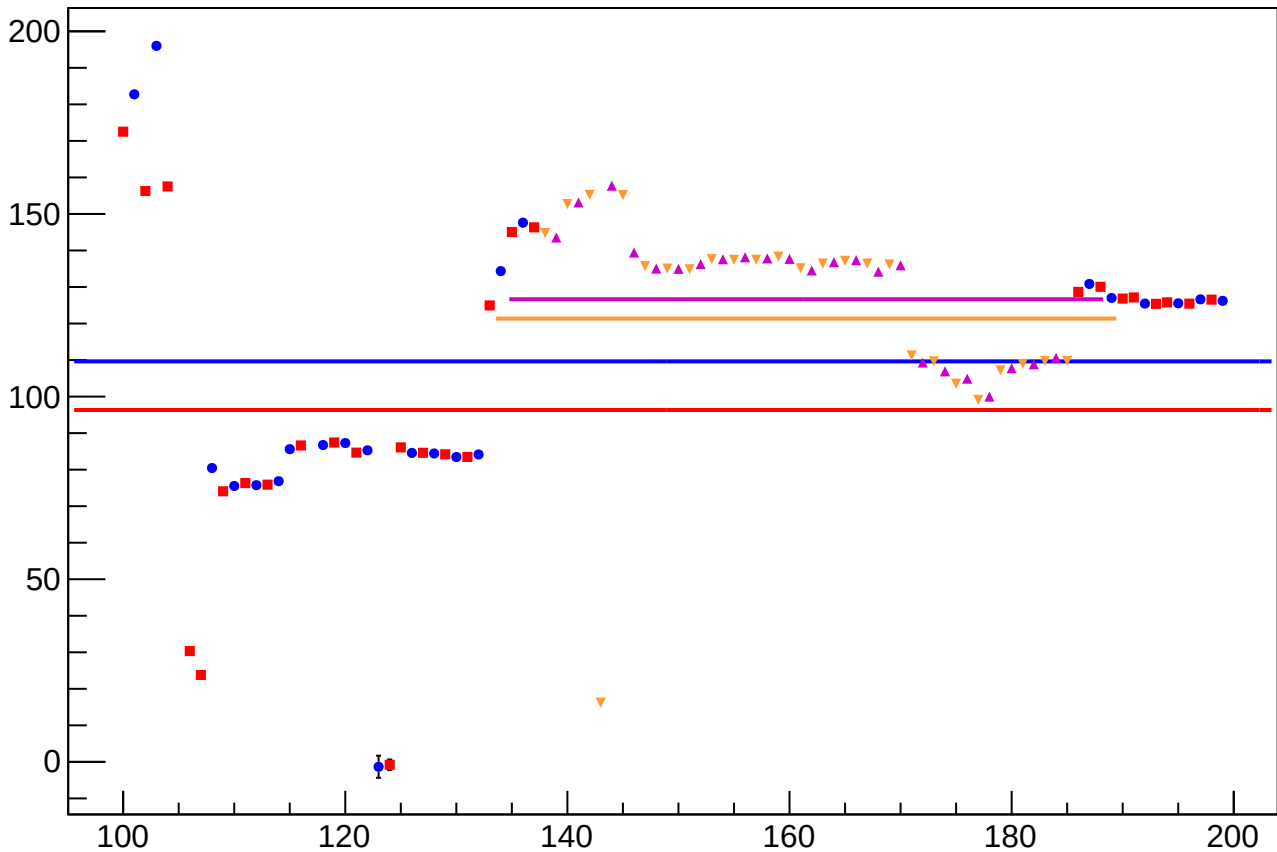
Left In: -77.678 ± 0.883 $\chi^2/\text{NDF}: 248.3/22$

+ sign -73.266 ± 0.657 $\chi^2/\text{NDF}: 1670.0/47$

All: -73.107 ± 0.465 $\chi^2/\text{NDF}: 2830.2/97$

- sign -72.947 ± 0.658 $\chi^2/\text{NDF}: 1160.1/49$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 109.641 +/- 0.061 χ^2/NDF : 300249.9/22

Left Out: 121.356 +/- 0.040 χ^2/NDF : 481977.3/24

Right Out: 96.336 +/- 0.055 χ^2/NDF : 538646.3/26

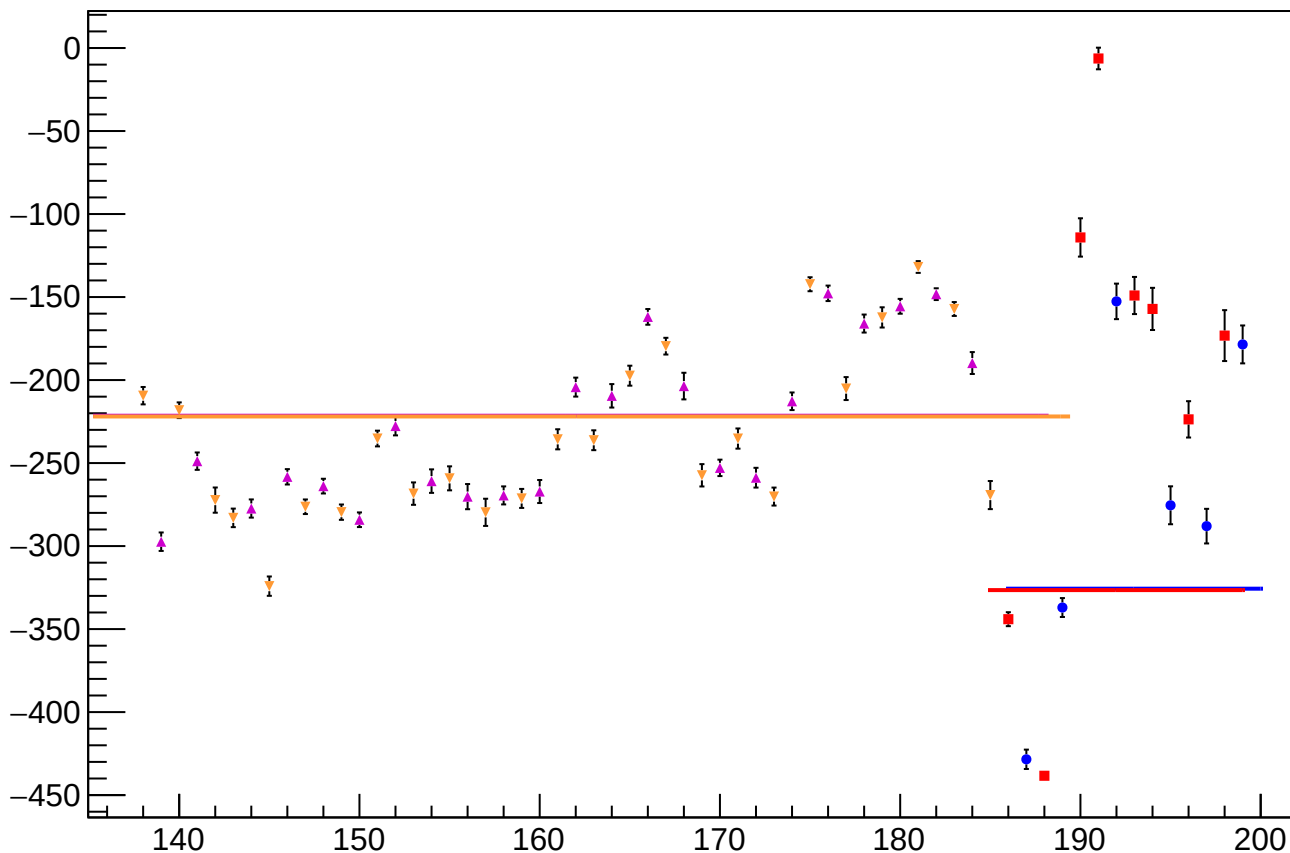
Left In: 126.653 +/- 0.041 χ^2/NDF : 163046.1/22

+ sign 117.771 +/- 0.034 χ^2/NDF : 808083.6/47

All: 116.701 +/- 0.023 χ^2/NDF : 1708940.0/97

- sign 115.679 +/- 0.033 χ^2/NDF : 898871.9/49

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -325.665 ± 3.270 $\chi^2/\text{NDF}: 774.5/5$

Left Out: -221.934 ± 1.084 $\chi^2/\text{NDF}: 2578.4/24$

Right Out: -326.517 ± 2.119 $\chi^2/\text{NDF}: 4743.6/7$

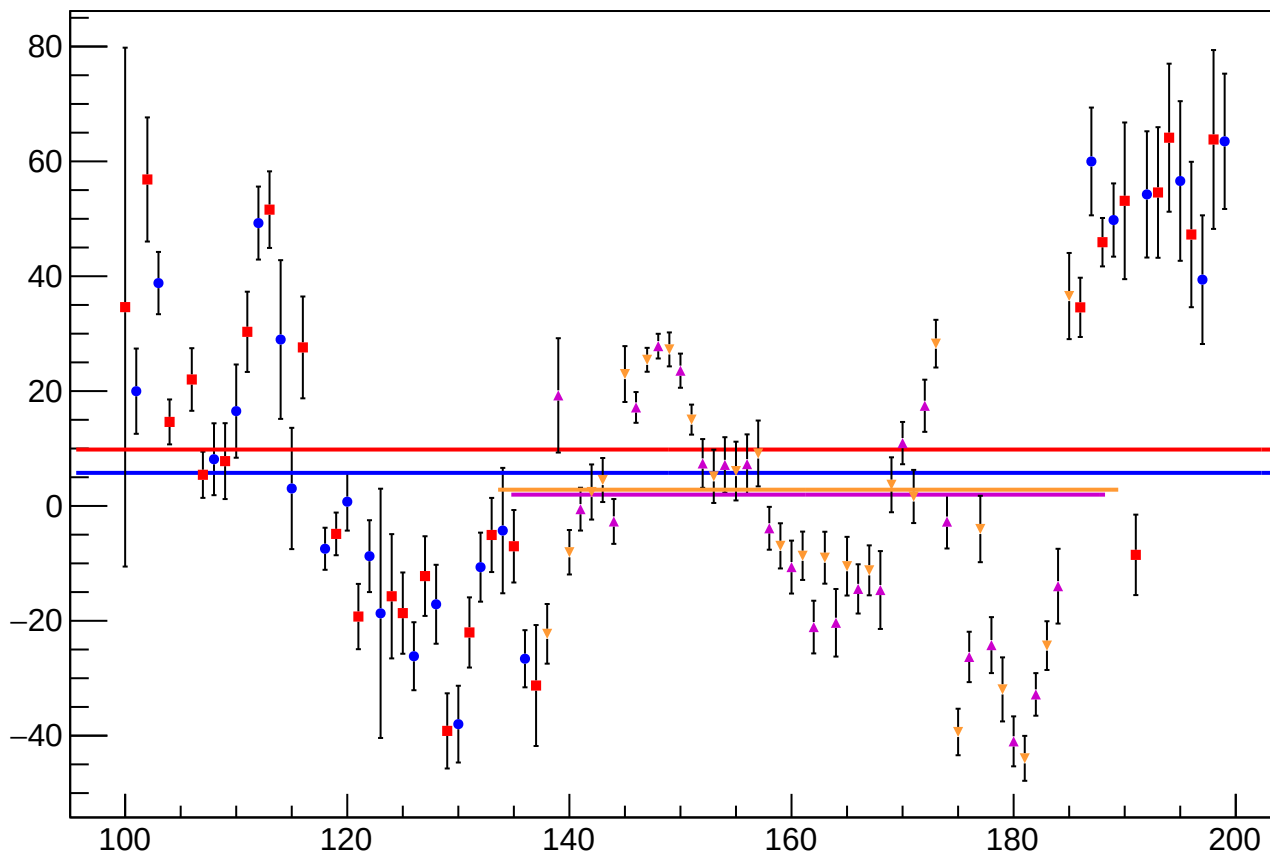
Left In: -221.483 ± 1.102 $\chi^2/\text{NDF}: 2149.8/22$

+ sign -232.212 ± 1.029 $\chi^2/\text{NDF}: 4259.4/30$

All: -238.334 ± 0.709 $\chi^2/\text{NDF}: 13154.6/61$

- sign -243.858 ± 0.978 $\chi^2/\text{NDF}: 8827.9/30$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 5.761 $\pm$ 1.434 χ^2/NDF : 393.7/22

Left Out: 2.832 $\pm$ 0.807 χ^2/NDF : 686.9/24

Right Out: 9.823 $\pm$ 1.237 χ^2/NDF : 430.7/26

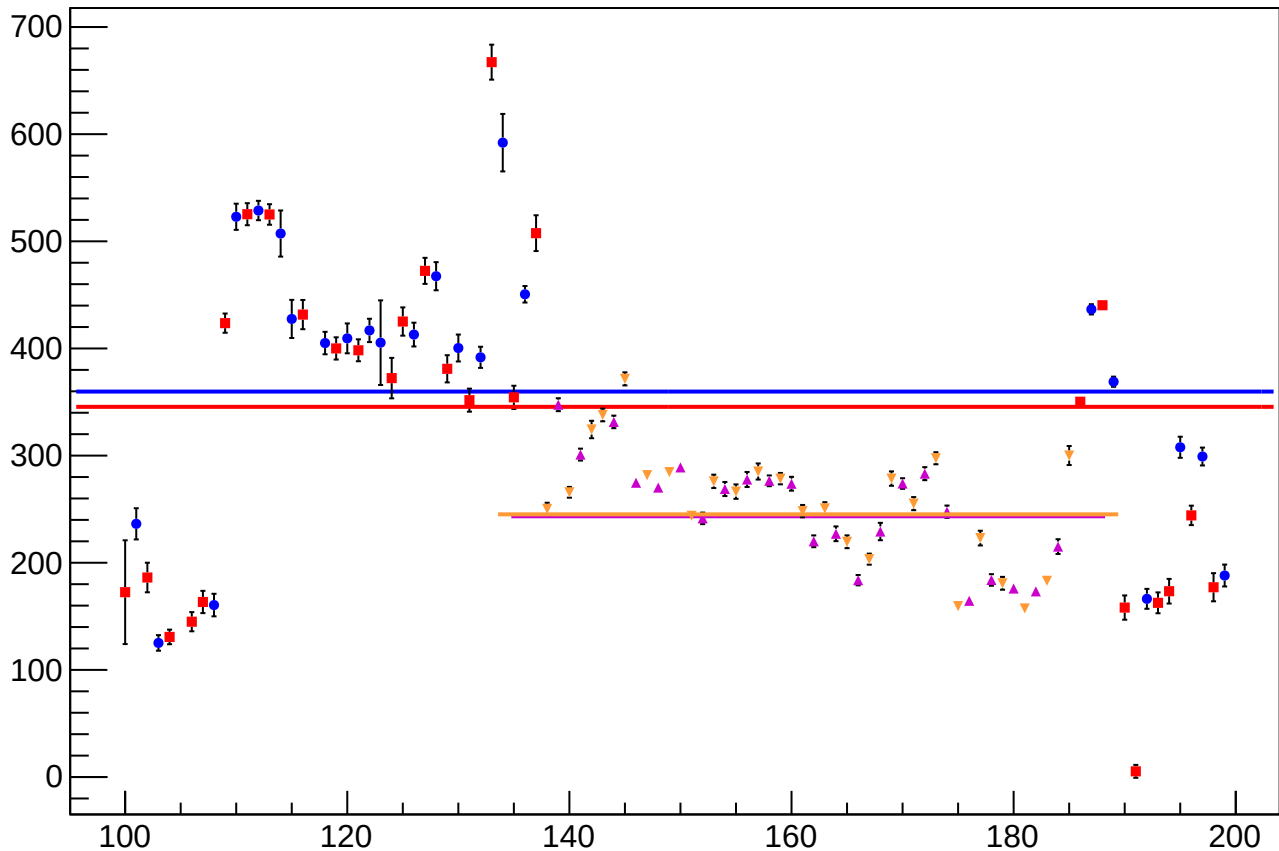
Left In: 1.969 $\pm$ 0.835 χ^2/NDF : 589.1/22

+ sign 3.537 $\pm$ 0.703 χ^2/NDF : 1083.8/47

All: 3.988 $\pm$ 0.493 χ^2/NDF : 2132.1/97

- sign 4.425 $\pm$ 0.692 χ^2/NDF : 1047.5/49

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 359.763 ± 1.951 $\chi^2/\text{NDF}: 3504.5/22$

Left Out: 245.179 ± 1.082 $\chi^2/\text{NDF}: 2597.4/24$

Right Out: 345.510 ± 1.443 $\chi^2/\text{NDF}: 9241.4/26$

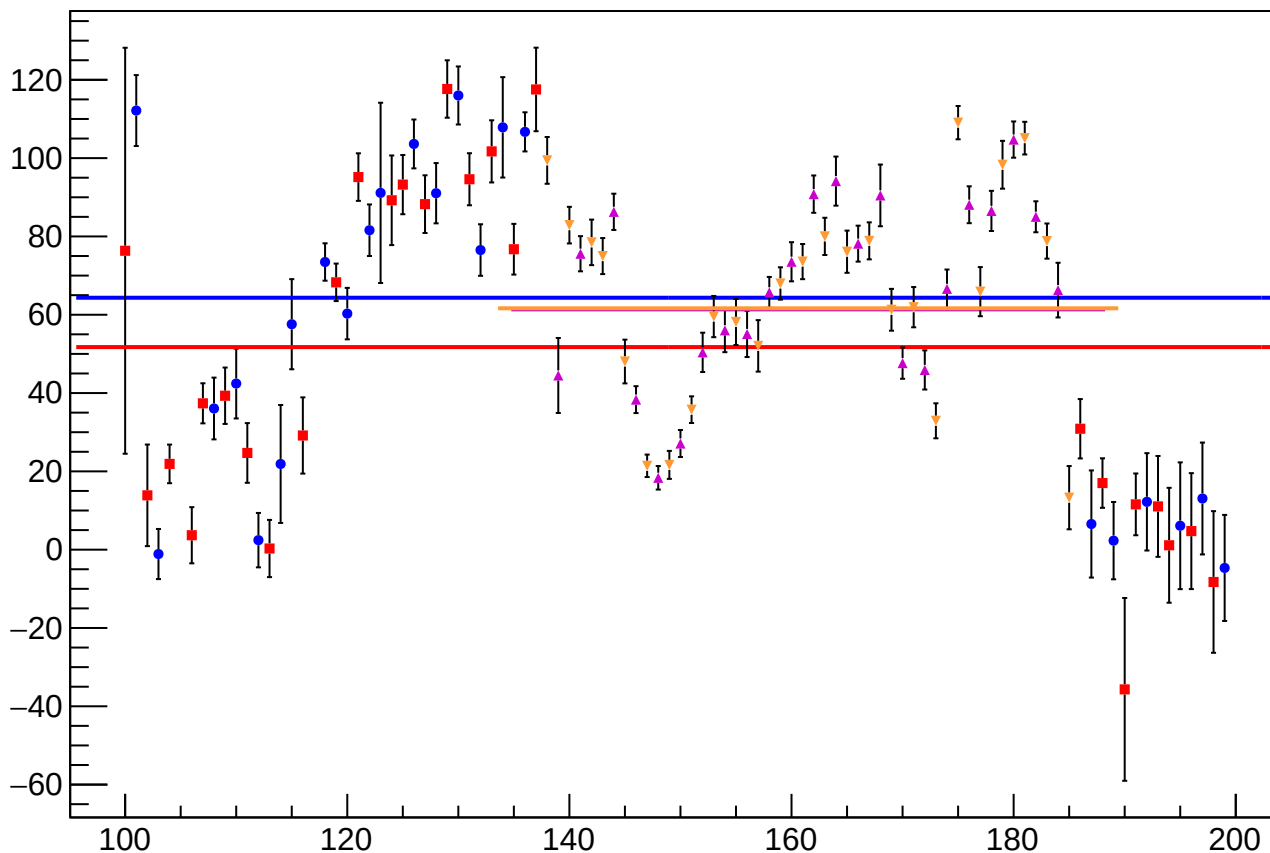
Left In: 243.366 ± 1.094 $\chi^2/\text{NDF}: 2236.7/22$

+ sign 272.139 ± 0.946 $\chi^2/\text{NDF}: 8740.5/47$

All: 276.729 ± 0.641 $\chi^2/\text{NDF}: 23444.0/97$

- sign 280.624 ± 0.872 $\chi^2/\text{NDF}: 14660.0/49$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 64.345+/-1.676 χ^2/NDF : 565.0/22

Left Out: 61.647+/-0.936 χ^2/NDF : 871.5/24

Right Out: 51.740+/-1.485 χ^2/NDF : 632.7/26

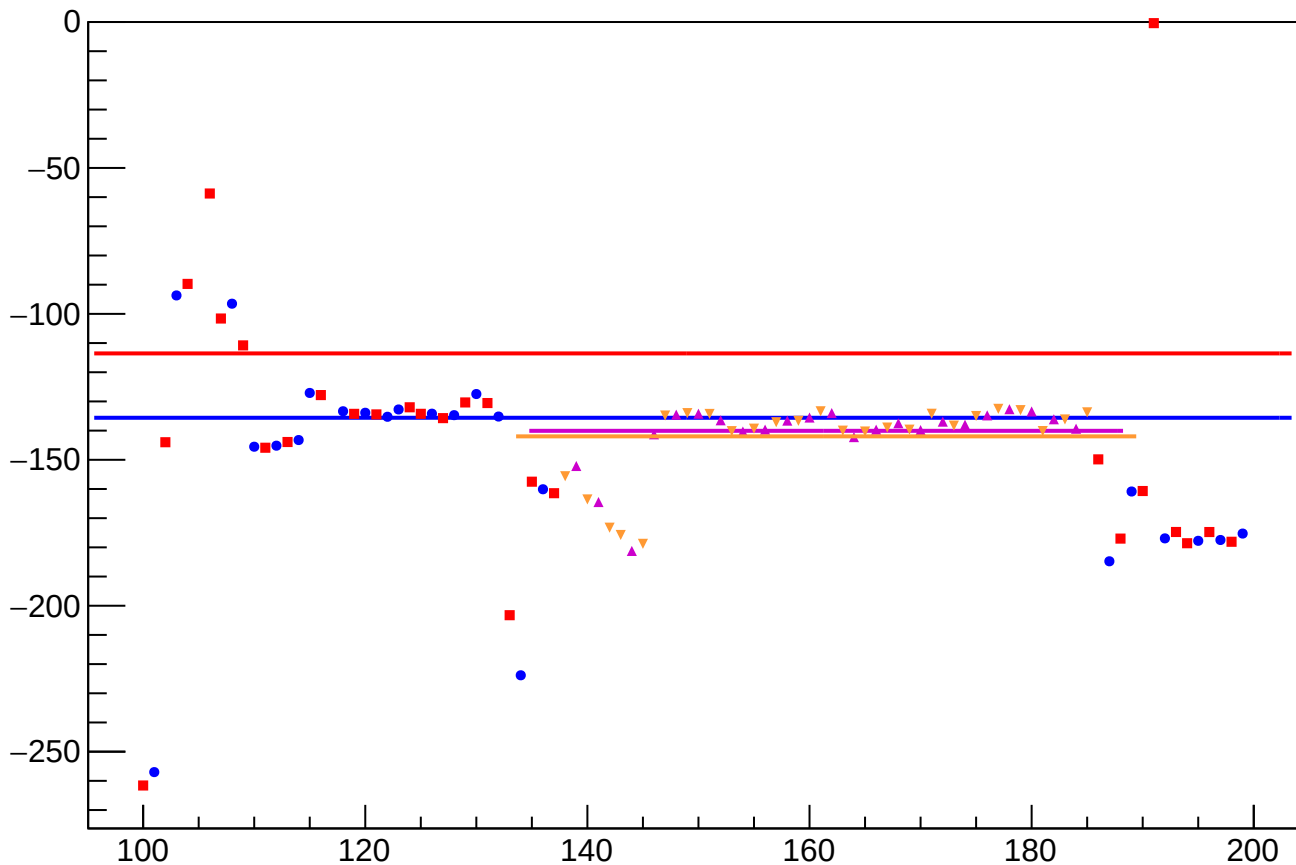
Left In: 61.375+/-0.961 χ^2/NDF : 699.7/22

+ sign 62.289+/-0.817 χ^2/NDF : 1438.5/47

All: 60.386+/-0.574 χ^2/NDF : 2811.3/97

- sign 58.531+/-0.807 χ^2/NDF : 1362.0/49

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -135.598 ± 0.081 χ^2/NDF : 218566.9/22

Left Out: -141.969 ± 0.045 χ^2/NDF : 80252.6/24

Right Out: -113.547 ± 0.071 χ^2/NDF : 565380.9/26

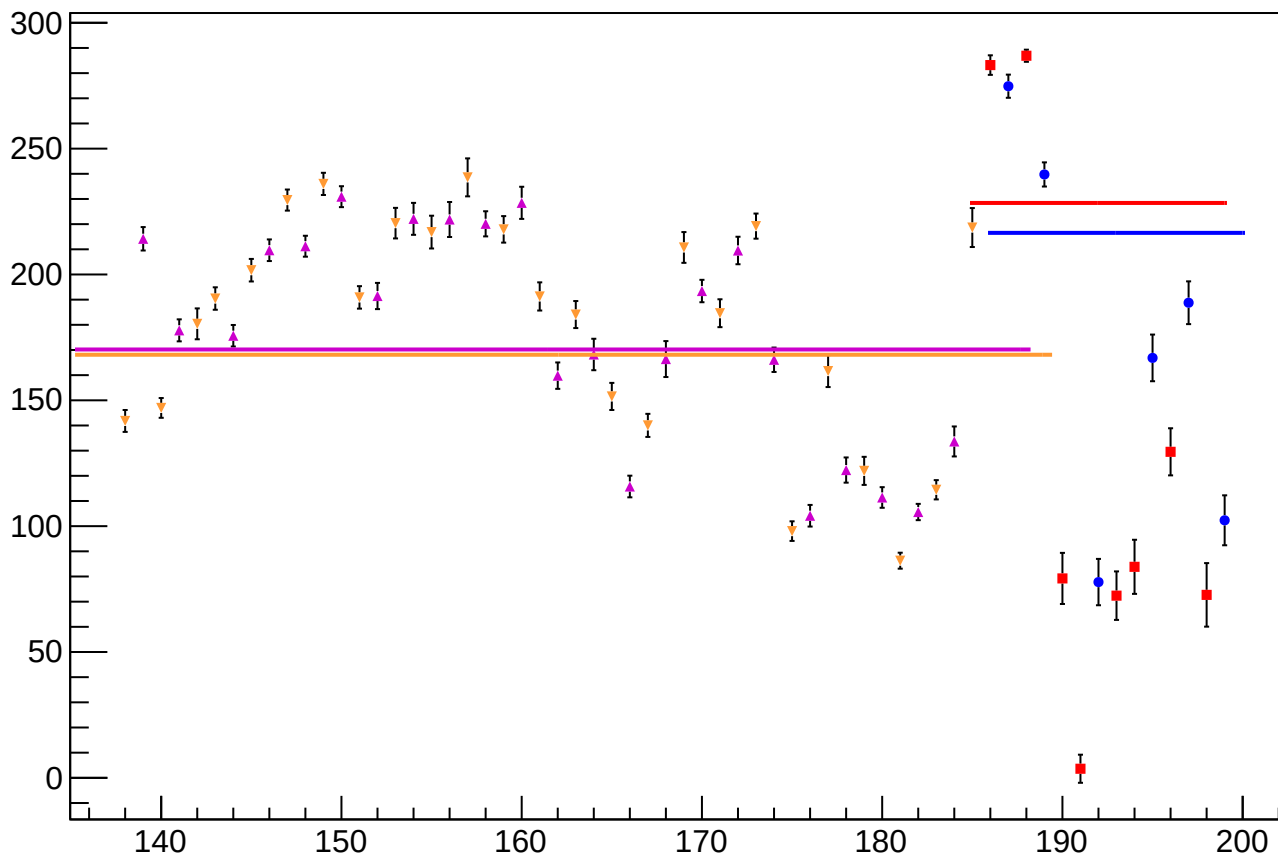
Left In: -140.068 ± 0.045 χ^2/NDF : 48030.7/22

+ sign -140.492 ± 0.039 χ^2/NDF : 303529.6/47

All: -136.323 ± 0.027 χ^2/NDF : 1039177.5/97

- sign -132.410 ± 0.038 χ^2/NDF : 713695.9/49

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 216.536 ± 2.691 $\chi^2/\text{NDF}: 582.6/5$

Left Out: 168.106 ± 0.970 $\chi^2/\text{NDF}: 2468.8/24$

Right Out: 228.421 ± 1.776 $\chi^2/\text{NDF}: 3331.0/7$

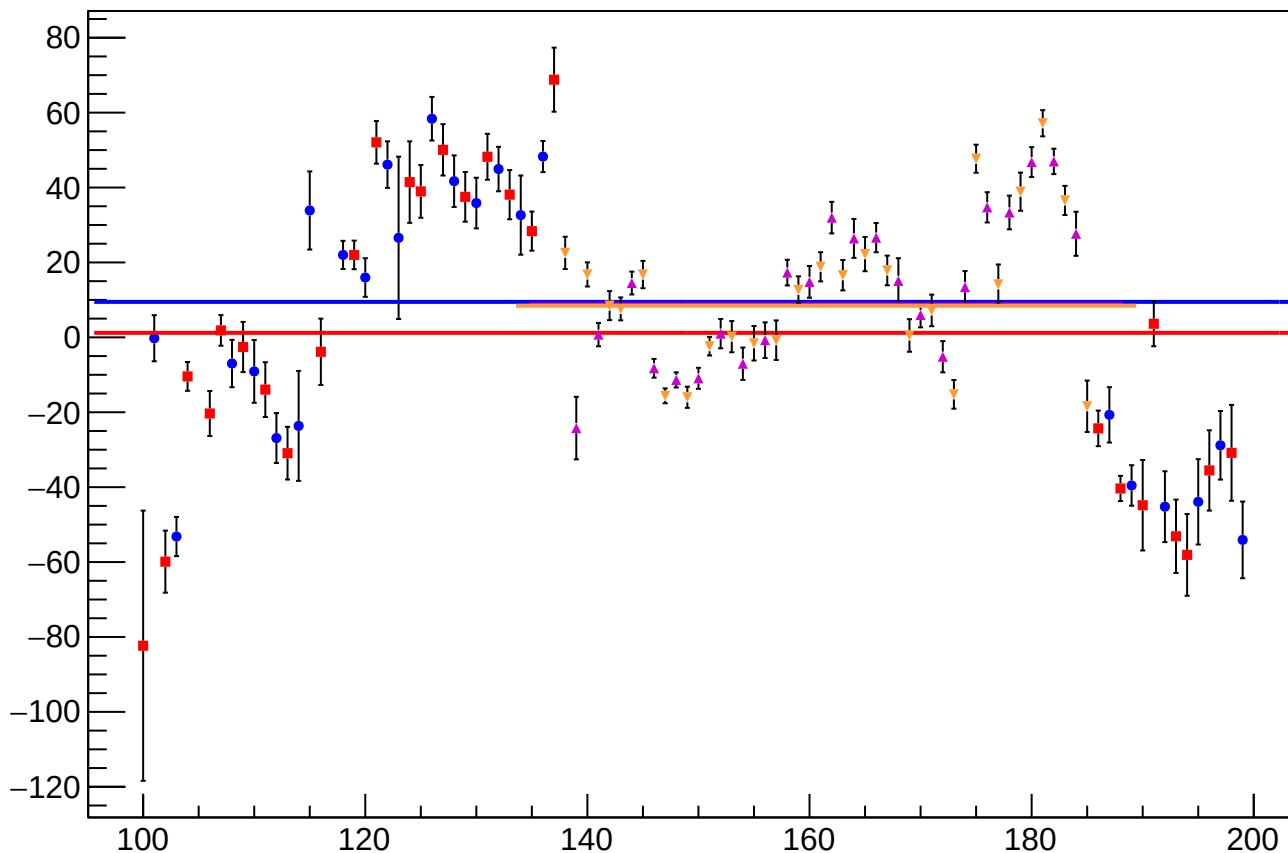
Left In: 170.198 ± 0.995 $\chi^2/\text{NDF}: 2024.5/22$

+ sign 173.676 ± 0.913 $\chi^2/\text{NDF}: 3338.0/30$

All: 179.159 ± 0.629 $\chi^2/\text{NDF}: 9580.4/61$

- sign 184.121 ± 0.868 $\chi^2/\text{NDF}: 6173.6/30$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 9.471 ± 1.367 χ^2/NDF : 691.5/22

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: 1.206 ± 1.181 χ^2/NDF : 794.0/26

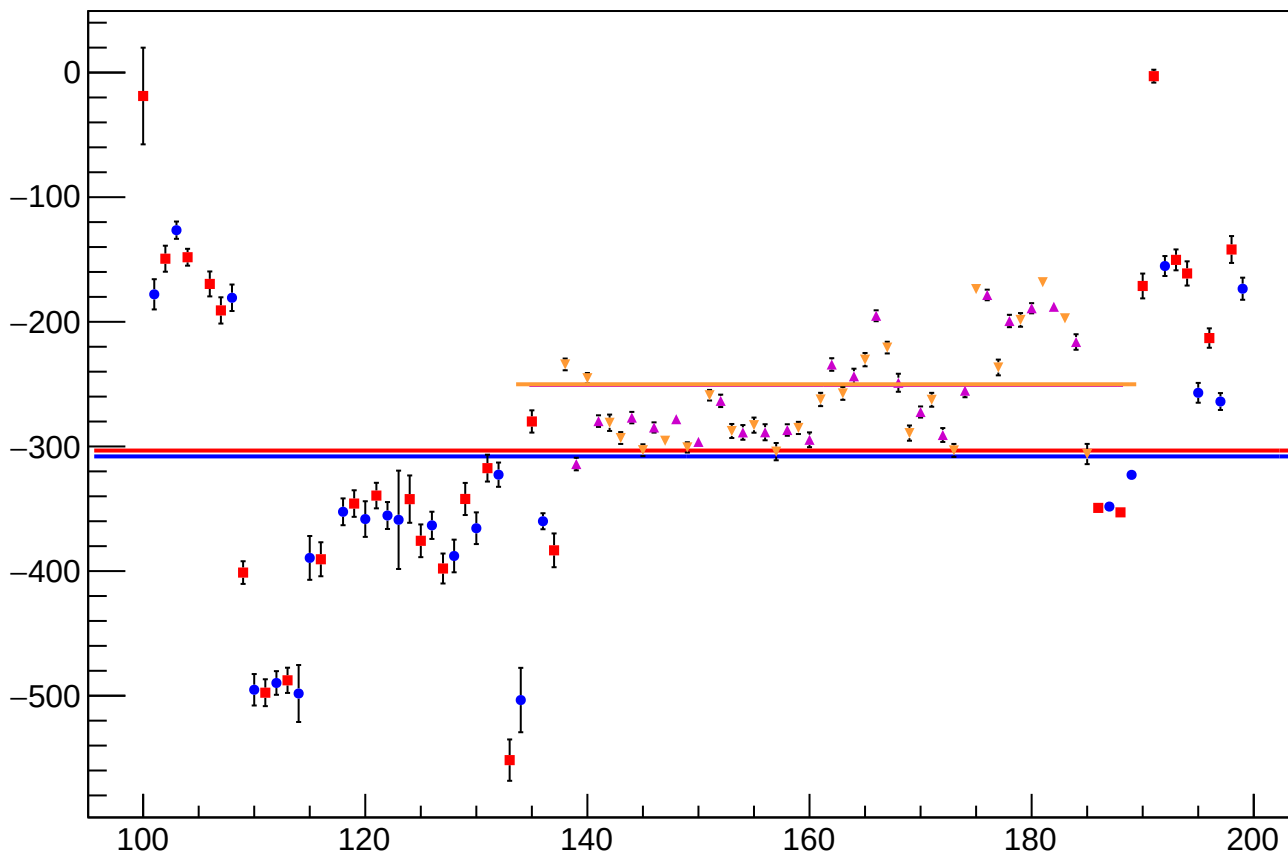
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 8.665 ± 0.643 χ^2/NDF : 1444.0/47

All: 7.605 ± 0.453 χ^2/NDF : 2899.3/97

- sign 6.561 ± 0.638 χ^2/NDF : 1449.9/49

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -307.995 ± 1.721 χ^2/NDF : 2683.6/22

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -303.280 ± 1.265 χ^2/NDF : 7637.4/26

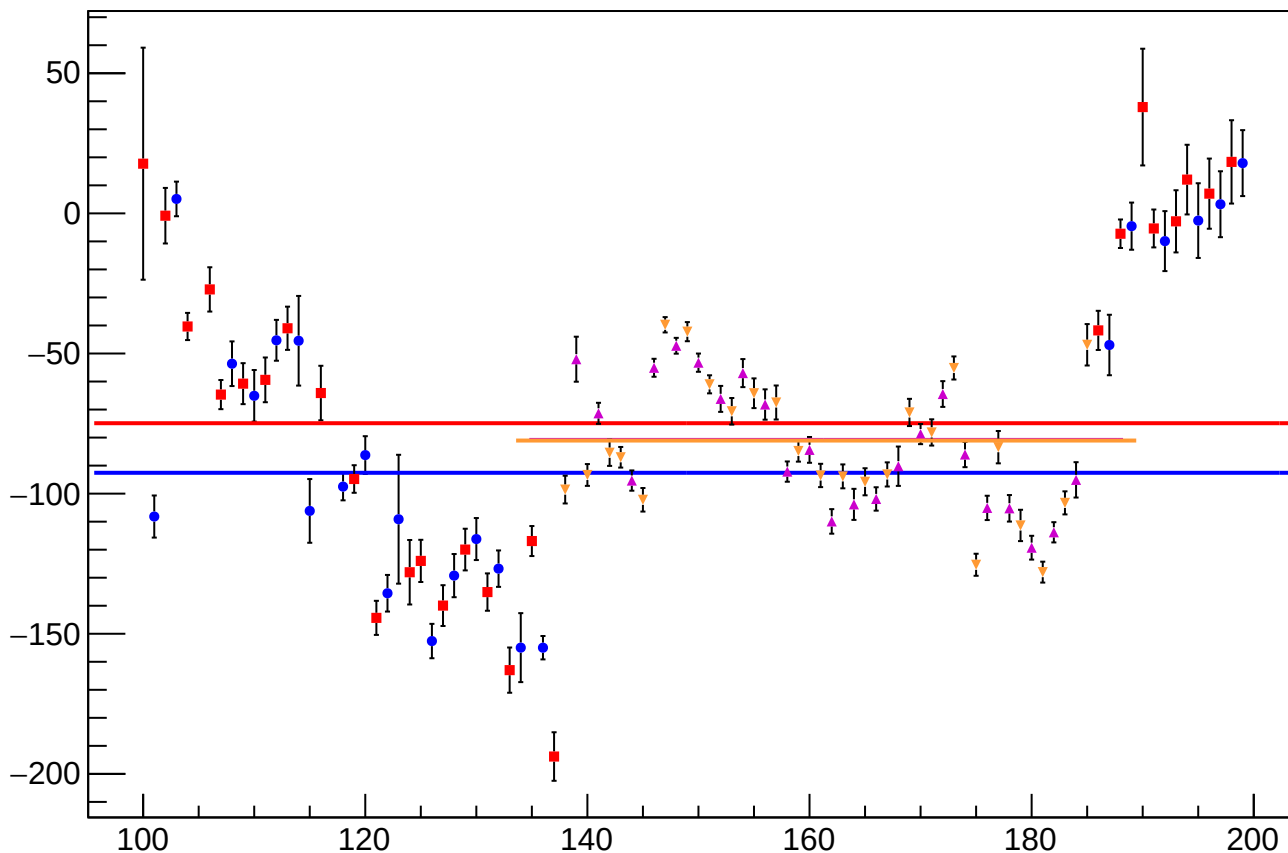
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.124 ± 0.847 χ^2/NDF : 5788.0/47

All: -267.653 ± 0.574 χ^2/NDF : 16469.1/97

- sign -270.646 ± 0.780 χ^2/NDF : 10649.1/49

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -92.563 ± 1.599 χ^2/NDF : 1177.6/22

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -74.872 ± 1.424 χ^2/NDF : 1465.8/26

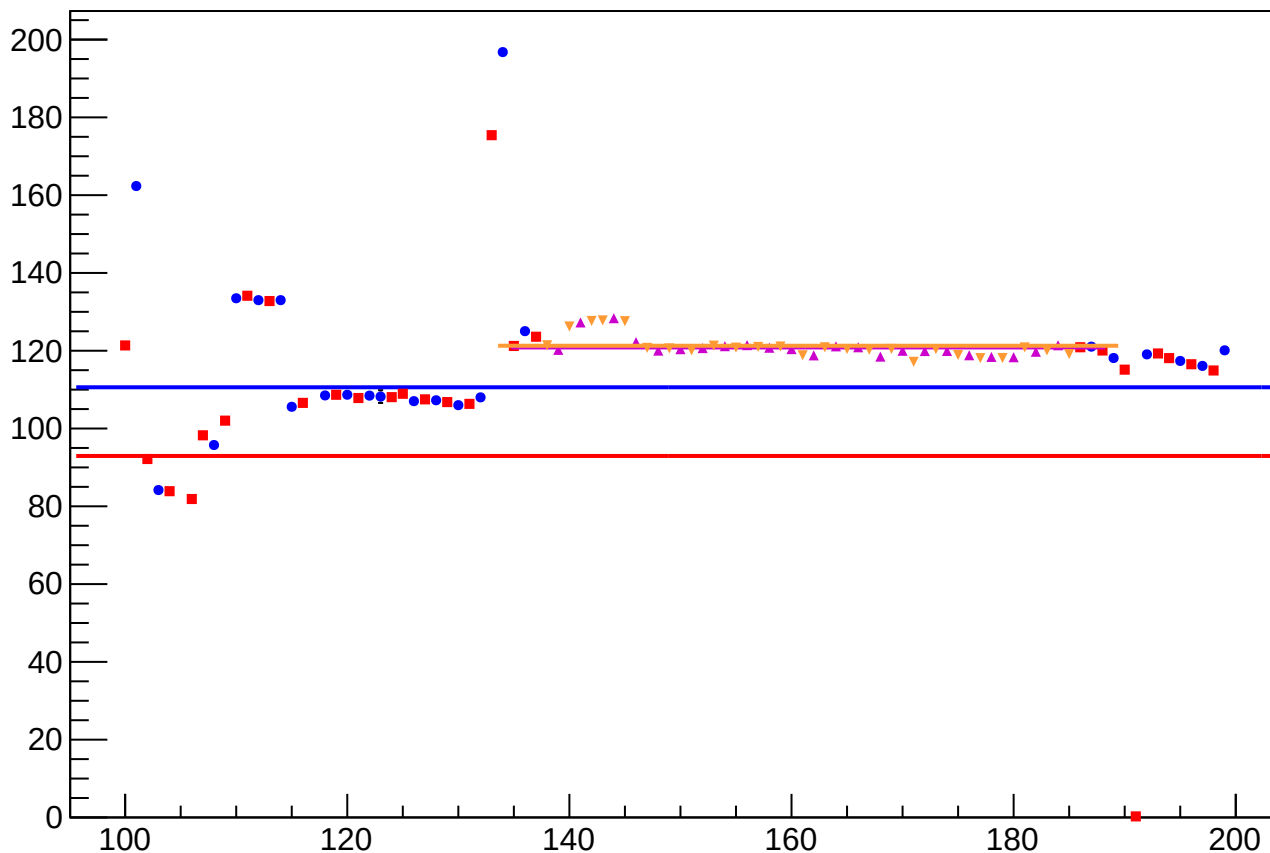
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -83.560 ± 0.746 χ^2/NDF : 2131.1/47

All: -81.377 ± 0.526 χ^2/NDF : 4319.9/97

- sign -79.207 ± 0.743 χ^2/NDF : 2171.7/49

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.604 $\pm$ 0.075 χ^2 /NDF: 76361.8/22

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 92.944 $\pm$ 0.065 χ^2 /NDF: 348322.5/26

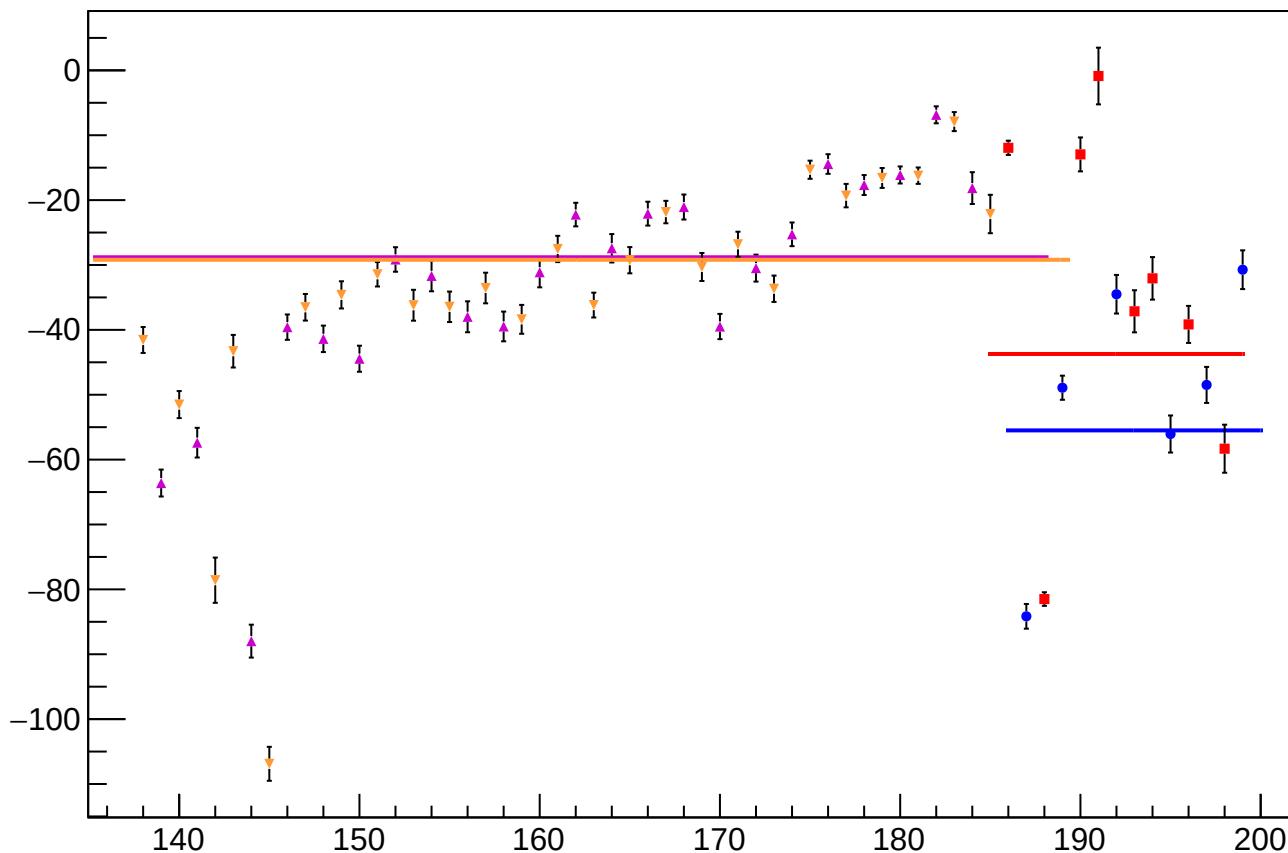
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.933 $\pm$ 0.035 χ^2 /NDF: 96906.5/47

All: 115.922 $\pm$ 0.025 χ^2 /NDF: 593892.7/97

- sign 113.056 $\pm$ 0.035 χ^2 /NDF: 482879.2/49

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -55.498 ± 0.980 χ^2/NDF : 363.6/5

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -43.717 ± 0.657 χ^2/NDF : 2403.2/7

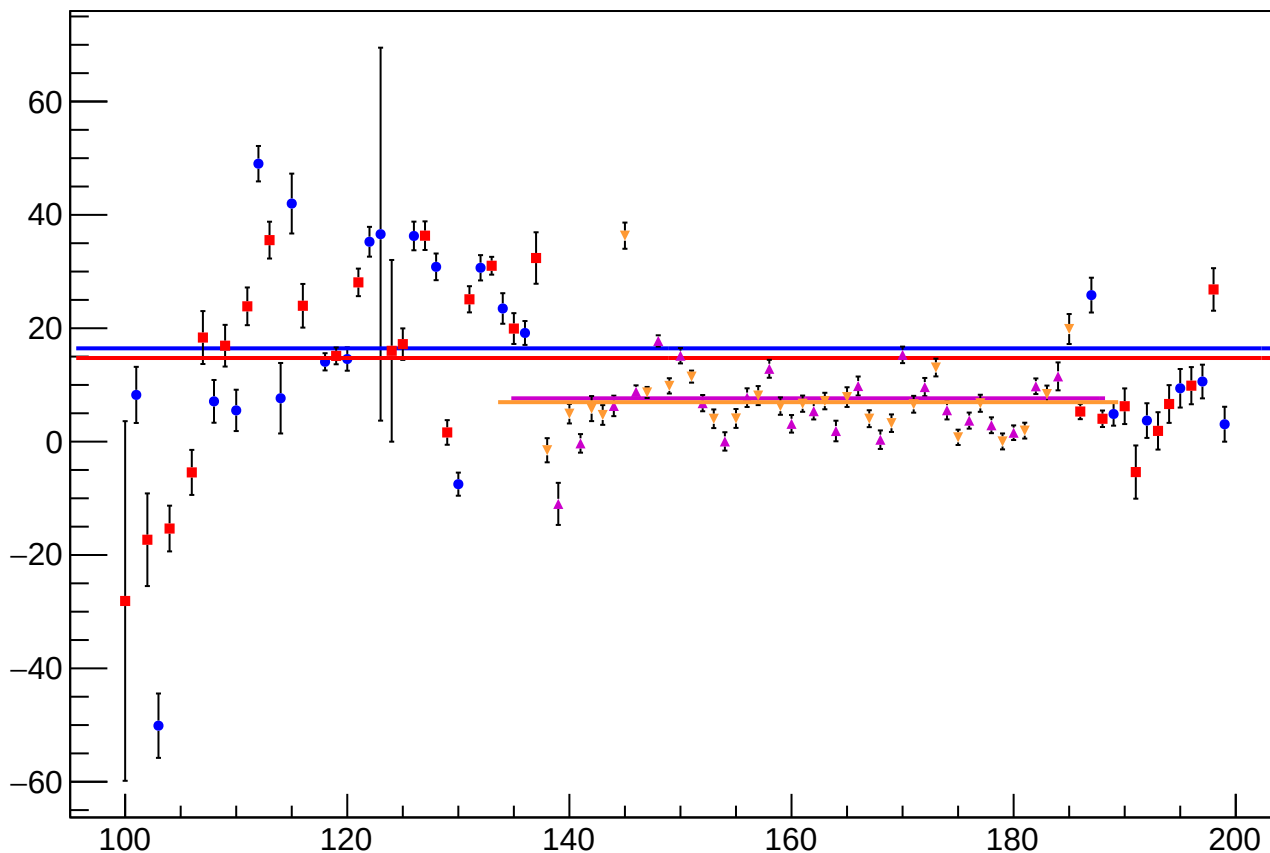
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -32.773 ± 0.361 χ^2/NDF : 2867.6/30

All: -32.775 ± 0.247 χ^2/NDF : 7413.0/61

- sign -32.777 ± 0.339 χ^2/NDF : 4545.4/30

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 16.455 ± 0.569 χ^2/NDF : 715.7/22

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 14.750 ± 0.504 χ^2/NDF : 603.3/26

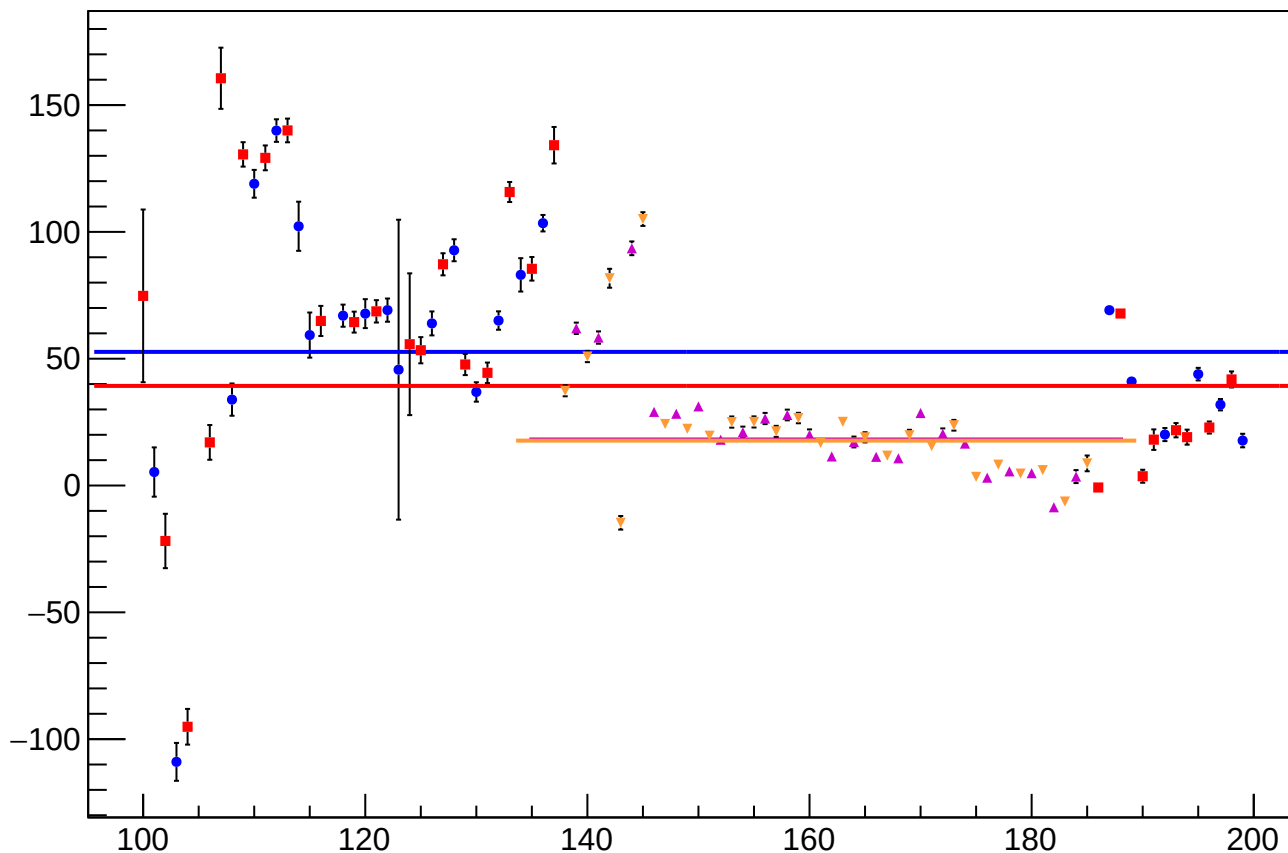
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 9.058 ± 0.267 χ^2/NDF : 1254.1/47

All: 9.341 ± 0.189 χ^2/NDF : 2340.8/97

- sign 9.621 ± 0.266 χ^2/NDF : 1084.5/49

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.688 $\pm$ 0.688 χ^2 /NDF: 2068.1/22

Left Out: 17.705 $\pm$ 0.387 χ^2 /NDF:2432.2/24

Right Out: 39.278 $\pm$ 0.494 χ^2 /NDF: 6127.9/26

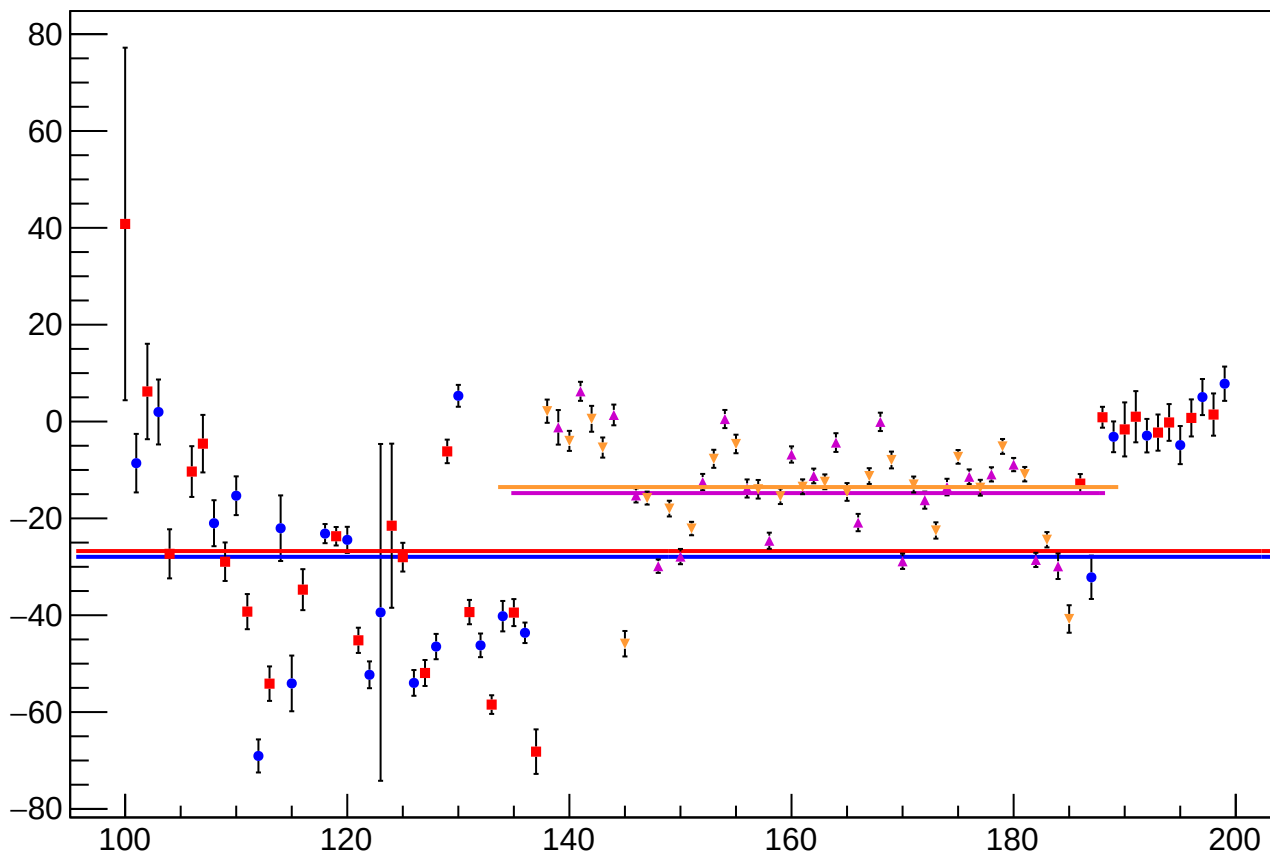
Left In: 18.150 $\pm$ 0.393 χ^2 /NDF:2339.4/22

+ sign 26.127 $\pm$ 0.337 χ^2 /NDF: 6465.3/47

All: 26.235 $\pm$ 0.227 χ^2 /NDF: 16053.3/97

- sign 26.323 $\pm$ 0.307 χ^2 /NDF: 9587.8/49

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -27.941 ± 0.667 $\chi^2/\text{NDF}: 1111.8/22$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -26.747 ± 0.615 $\chi^2/\text{NDF}: 1170.8/26$

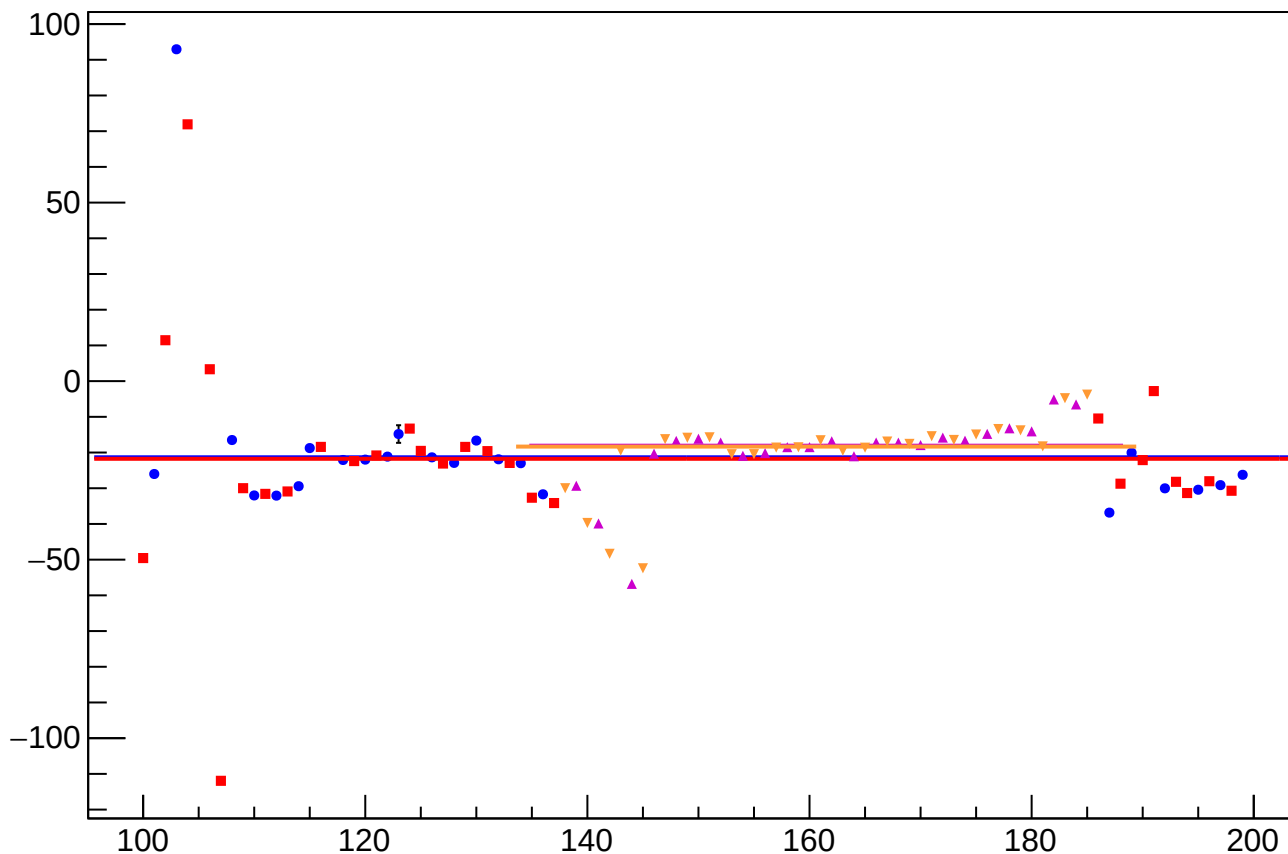
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -16.556 ± 0.306 $\chi^2/\text{NDF}: 2052.8/47$

All: -17.153 ± 0.217 $\chi^2/\text{NDF}: 4353.5/97$

- sign -17.755 ± 0.307 $\chi^2/\text{NDF}: 2293.0/49$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.333 ± 0.034 $\chi^2/\text{NDF}: 508738.1/22$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -21.751 ± 0.032 $\chi^2/\text{NDF}: 483711.4/26$

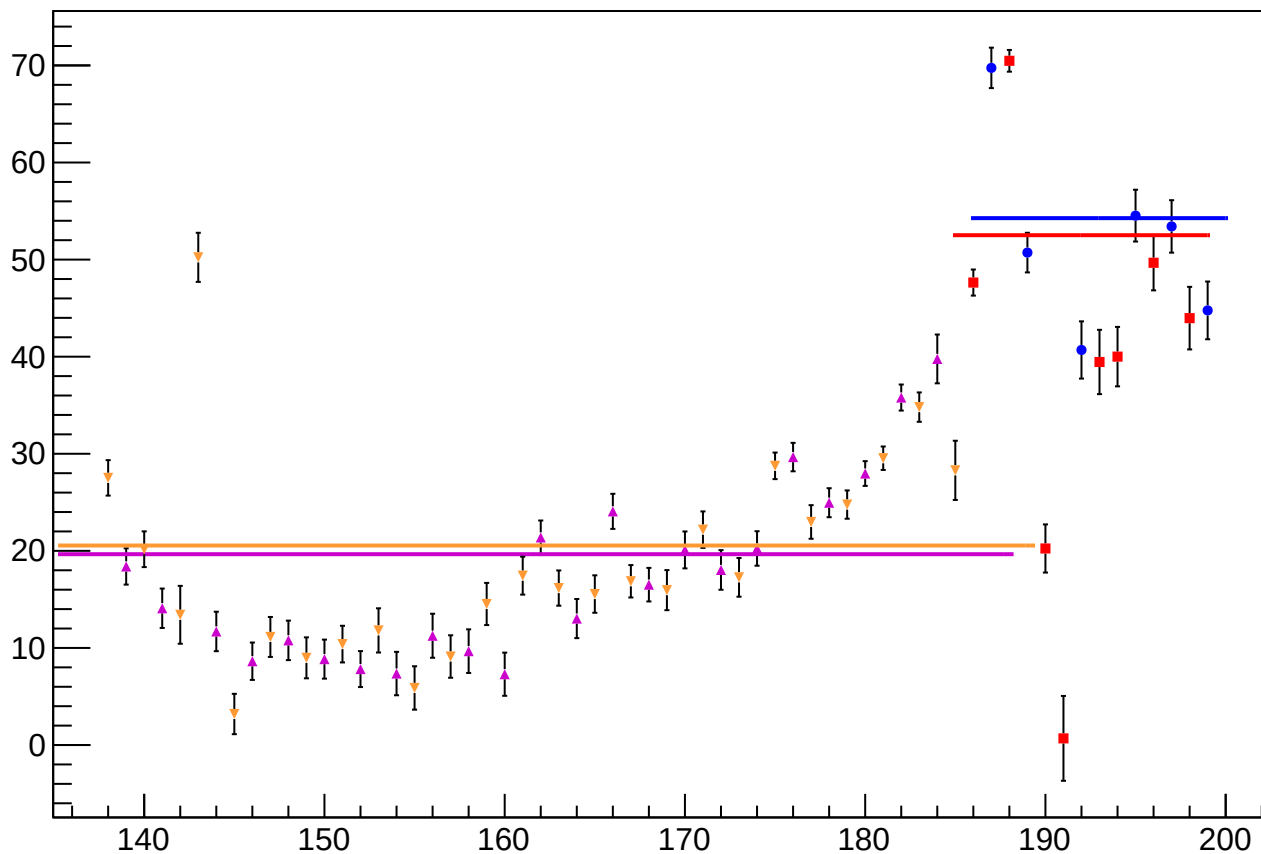
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.875 ± 0.014 $\chi^2/\text{NDF}: 799359.4/47$

All: -18.853 ± 0.010 $\chi^2/\text{NDF}: 1535606.7/97$

- sign -18.830 ± 0.014 $\chi^2/\text{NDF}: 736242.2/49$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 54.270 ± 1.012 $\chi^2/\text{NDF}: 89.8/5$

Left Out: 20.550 ± 0.373 $\chi^2/\text{NDF}: 626.4/24$

Right Out: 52.513 ± 0.709 $\chi^2/\text{NDF}: 621.4/7$

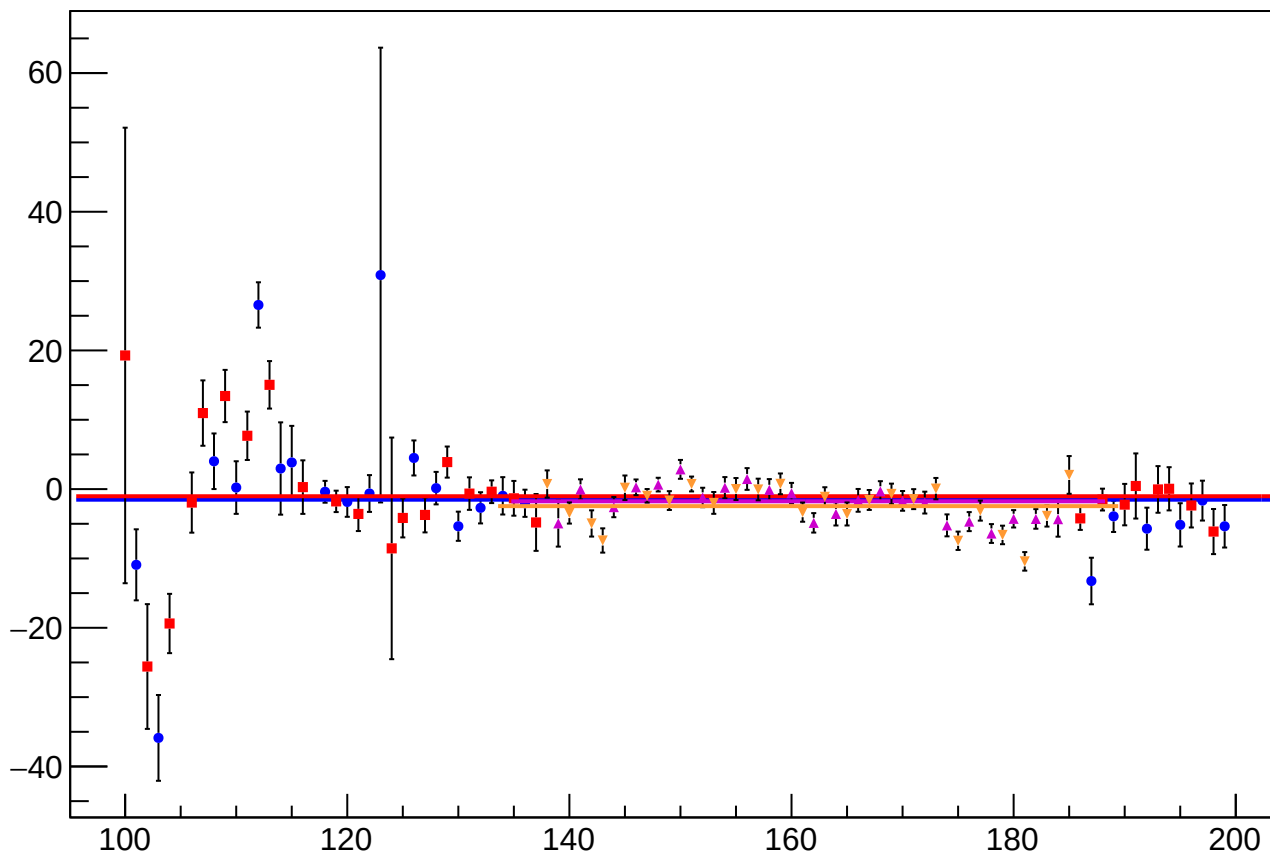
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 24.583 ± 0.350 $\chi^2/\text{NDF}: 1693.2/30$

All: 25.840 ± 0.242 $\chi^2/\text{NDF}: 4577.1/61$

- sign 26.993 ± 0.335 $\chi^2/\text{NDF}: 2859.2/30$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.525 ± 0.578 χ^2/NDF : 141.1/22

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.029 ± 0.525 χ^2/NDF : 92.5/26

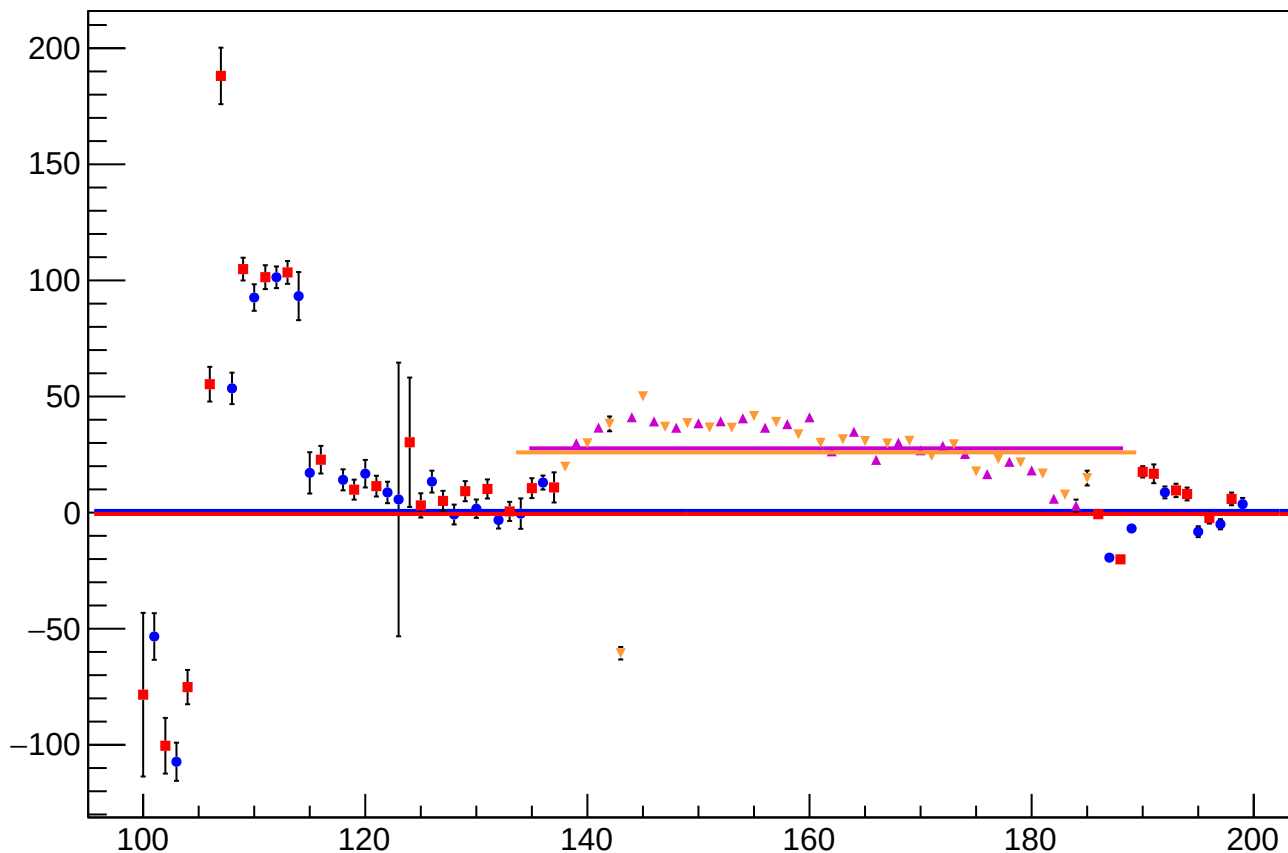
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.265 ± 0.261 χ^2/NDF : 249.1/47

All: -1.923 ± 0.185 χ^2/NDF : 414.0/97

- sign -1.577 ± 0.262 χ^2/NDF : 161.4/49

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 0.741 ± 0.708 χ^2/NDF : 1304.4/22

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -0.578 ± 0.532 χ^2/NDF : 2399.2/26

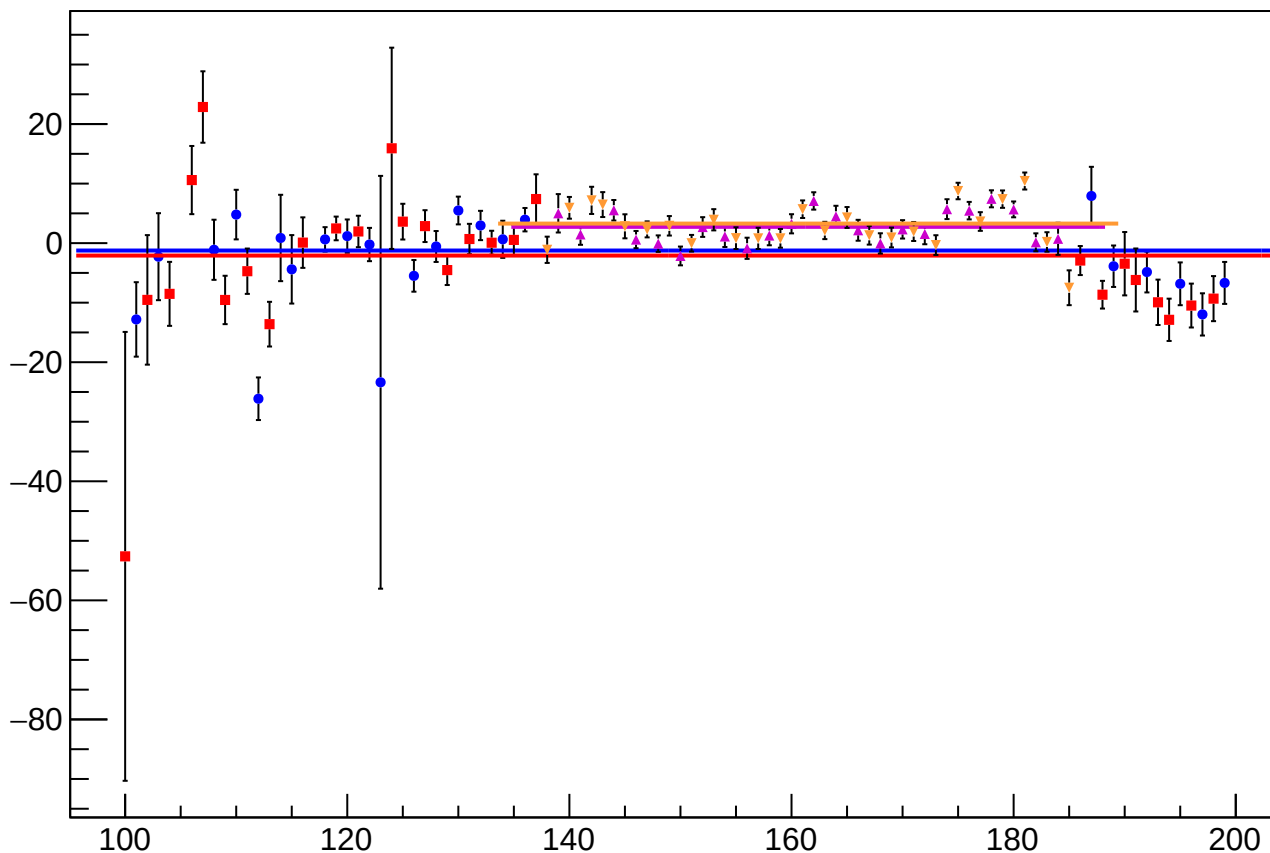
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 20.477 ± 0.330 χ^2/NDF : 4008.6/47

All: 19.263 ± 0.225 χ^2/NDF : 9108.9/97

- sign 18.200 ± 0.308 χ^2/NDF : 5074.9/49

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.241 ± 0.673 χ^2/NDF : 96.8/22

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.087 ± 0.633 χ^2/NDF : 95.8/26

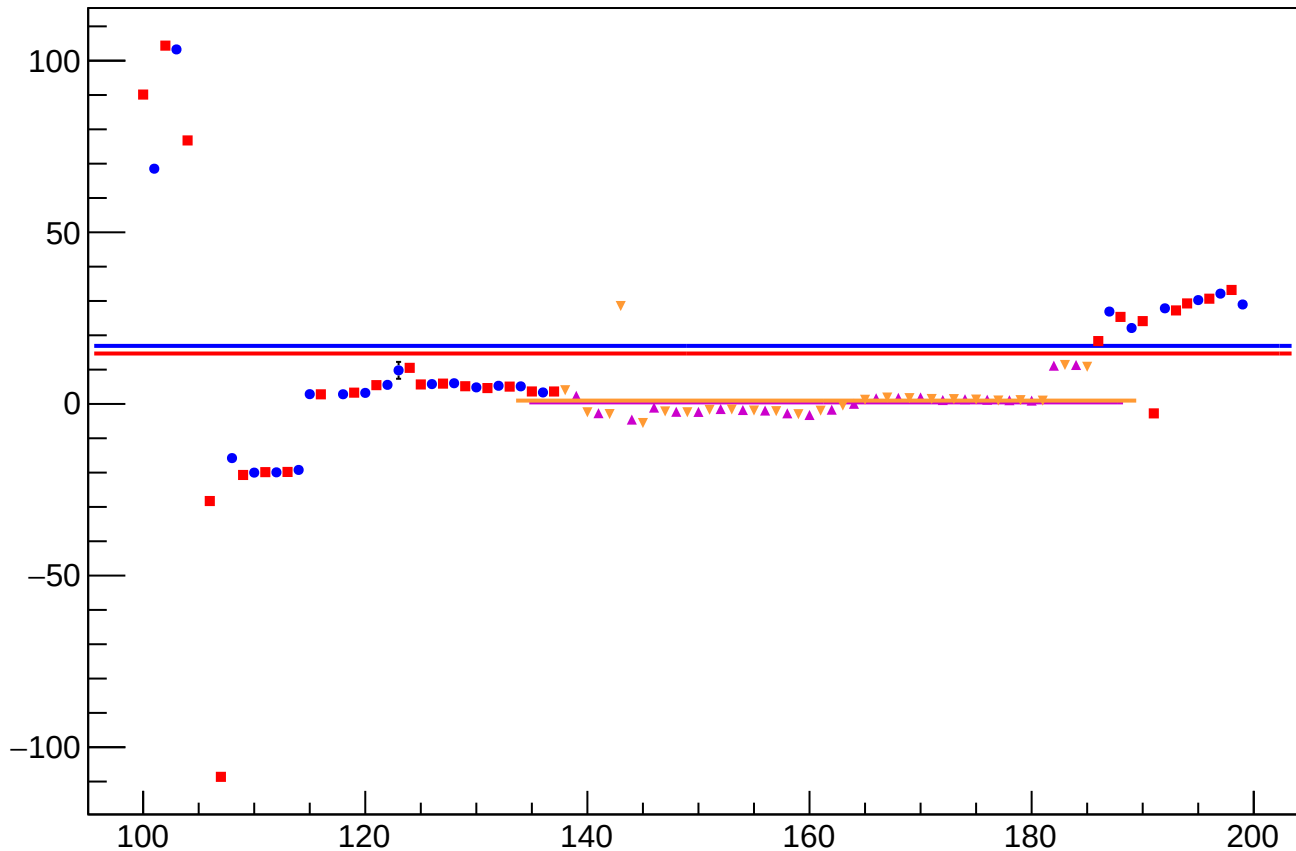
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.399 ± 0.297 χ^2/NDF : 235.5/47

All: 2.030 ± 0.211 χ^2/NDF : 443.9/97

- sign 1.652 ± 0.300 χ^2/NDF : 205.3/49

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 16.917 ± 0.033 $\chi^2/\text{NDF}: 459113.5/22$

Left Out: 0.979 ± 0.015 $\chi^2/\text{NDF}: 117391.3/24$

Right Out: 14.693 ± 0.032 $\chi^2/\text{NDF}: 674650.3/26$

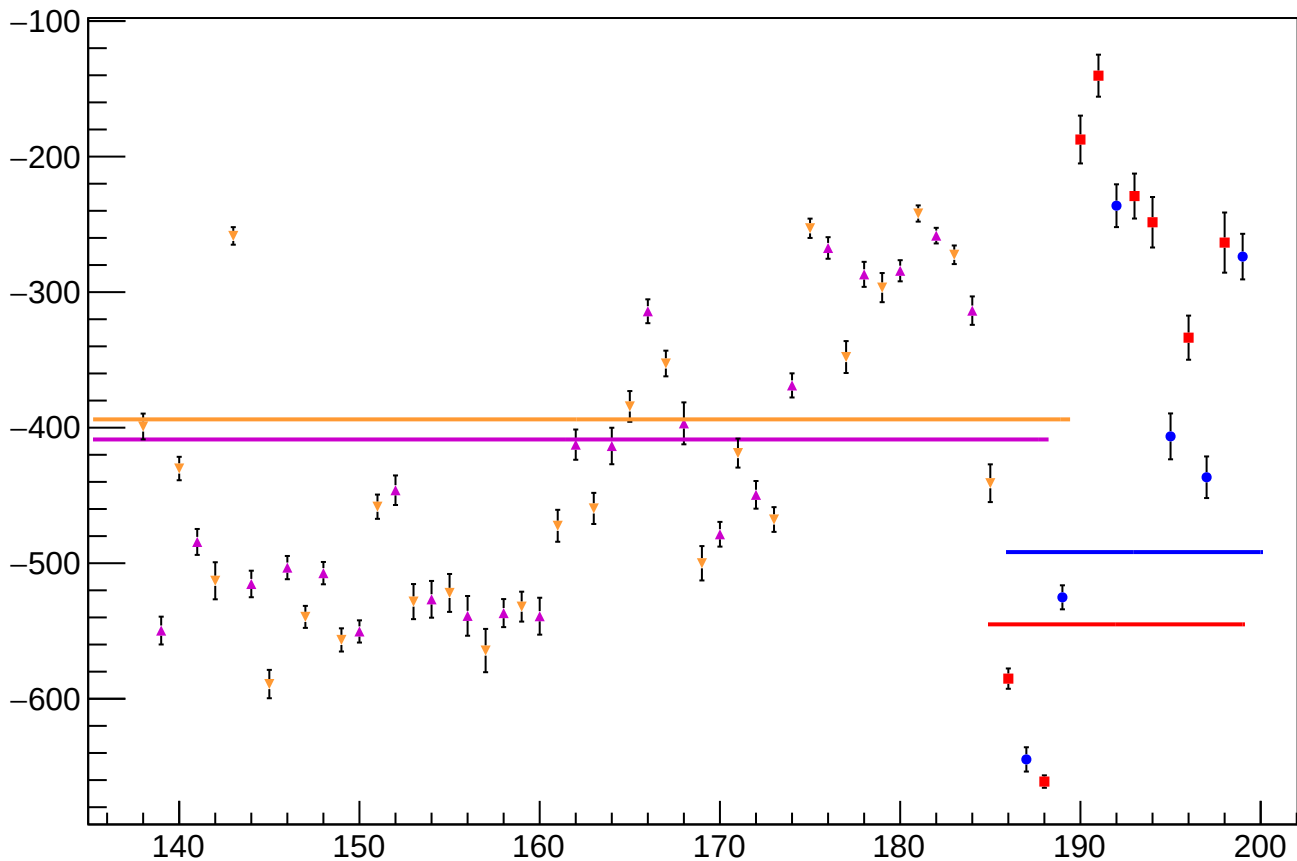
Left In: 0.451 ± 0.015 $\chi^2/\text{NDF}: 50699.8/22$

+ sign 3.715 ± 0.014 $\chi^2/\text{NDF}: 765496.9/47$

All: 3.444 ± 0.010 $\chi^2/\text{NDF}: 1654301.9/97$

- sign 3.171 ± 0.014 $\chi^2/\text{NDF}: 888033.2/49$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -491.785 ± 4.972 χ^2/NDF : 773.7/5

Left Out: -393.871 ± 1.897 χ^2/NDF : 3772.8/24

Right Out: -545.106 ± 3.433 χ^2/NDF : 2705.8/7

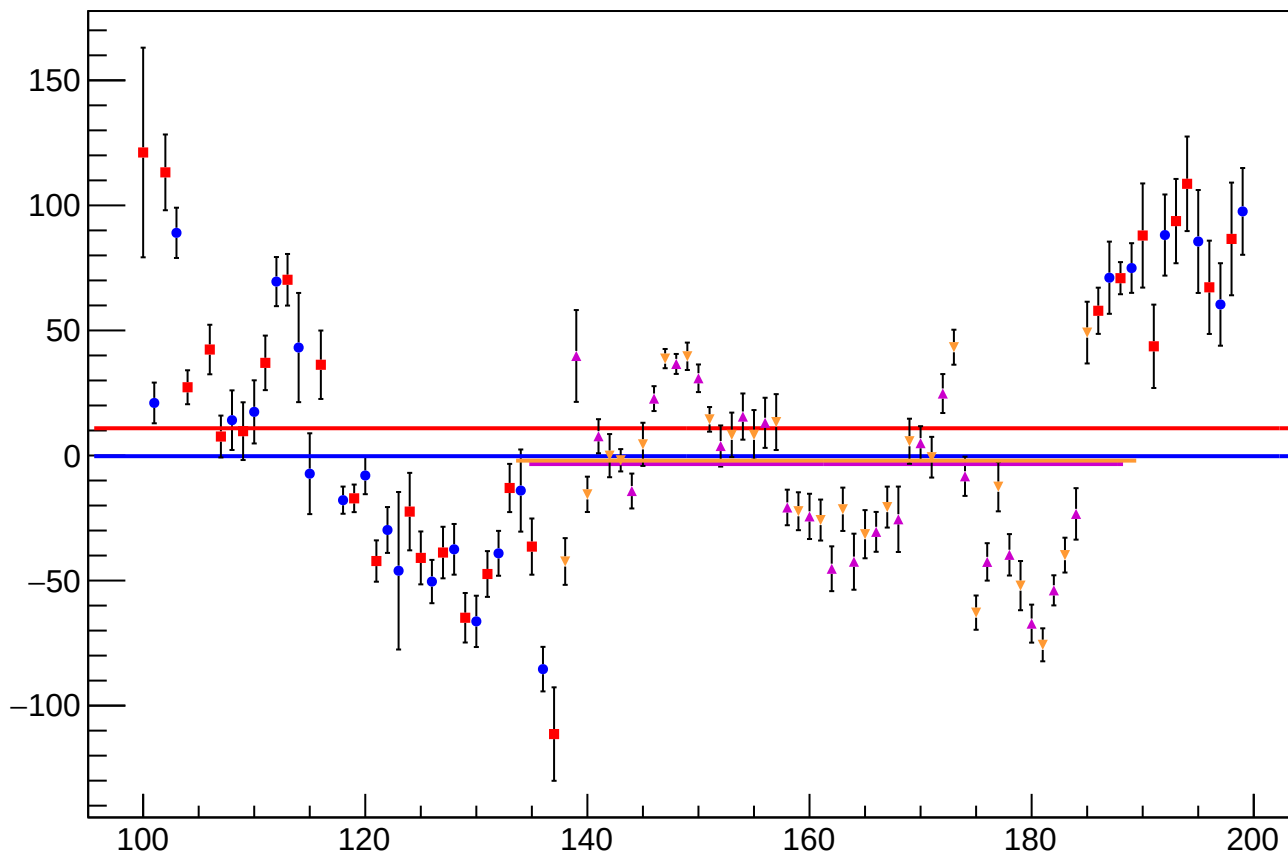
Left In: -408.696 ± 1.979 χ^2/NDF : 3062.9/22

+ sign -406.315 ± 1.772 χ^2/NDF : 4885.1/30

All: -425.125 ± 1.232 χ^2/NDF : 12057.1/61

- sign -442.726 ± 1.714 χ^2/NDF : 6953.9/30

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -0.269 ± 2.189 $\chi^2/\text{NDF}: 541.5/22$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 10.896 ± 2.006 $\chi^2/\text{NDF}: 597.8/26$

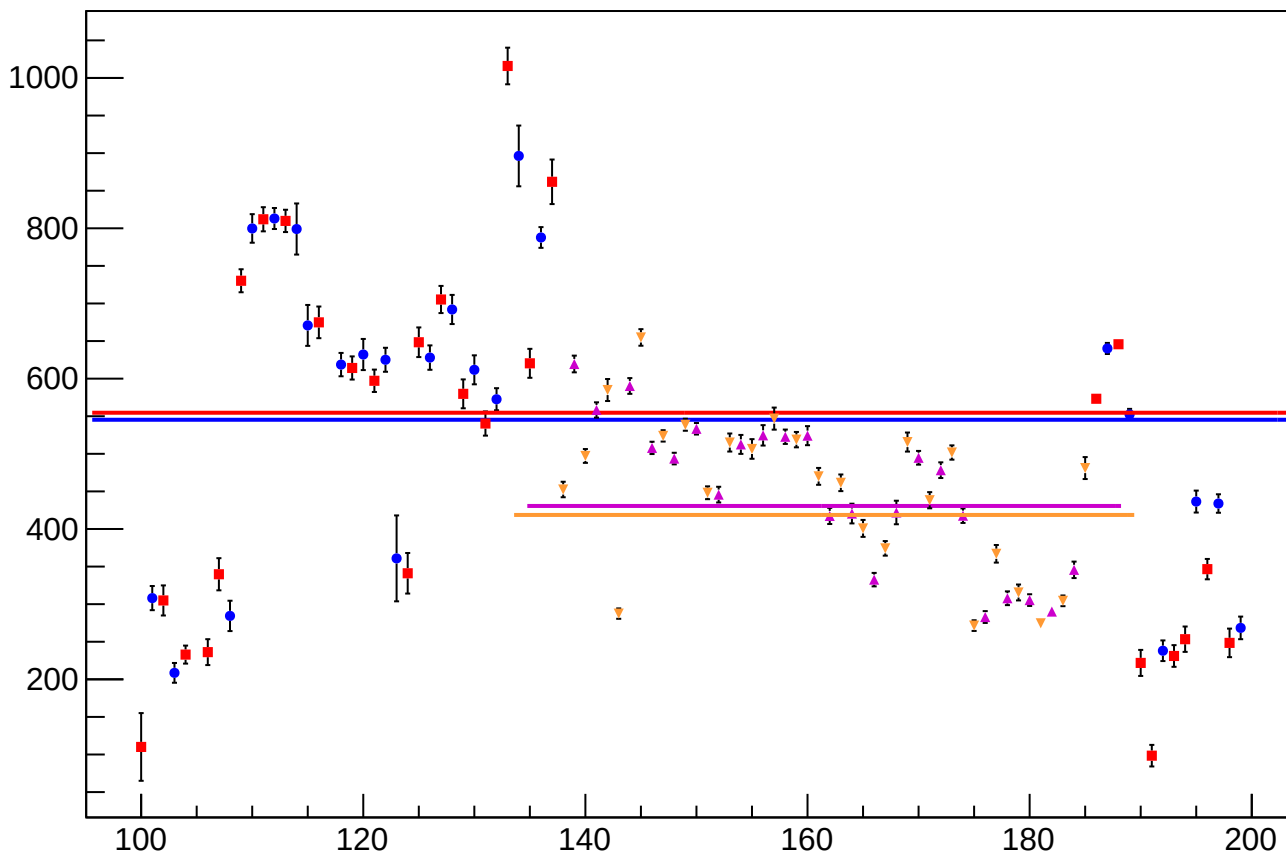
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign -1.511 ± 1.194 $\chi^2/\text{NDF}: 1105.7/47$

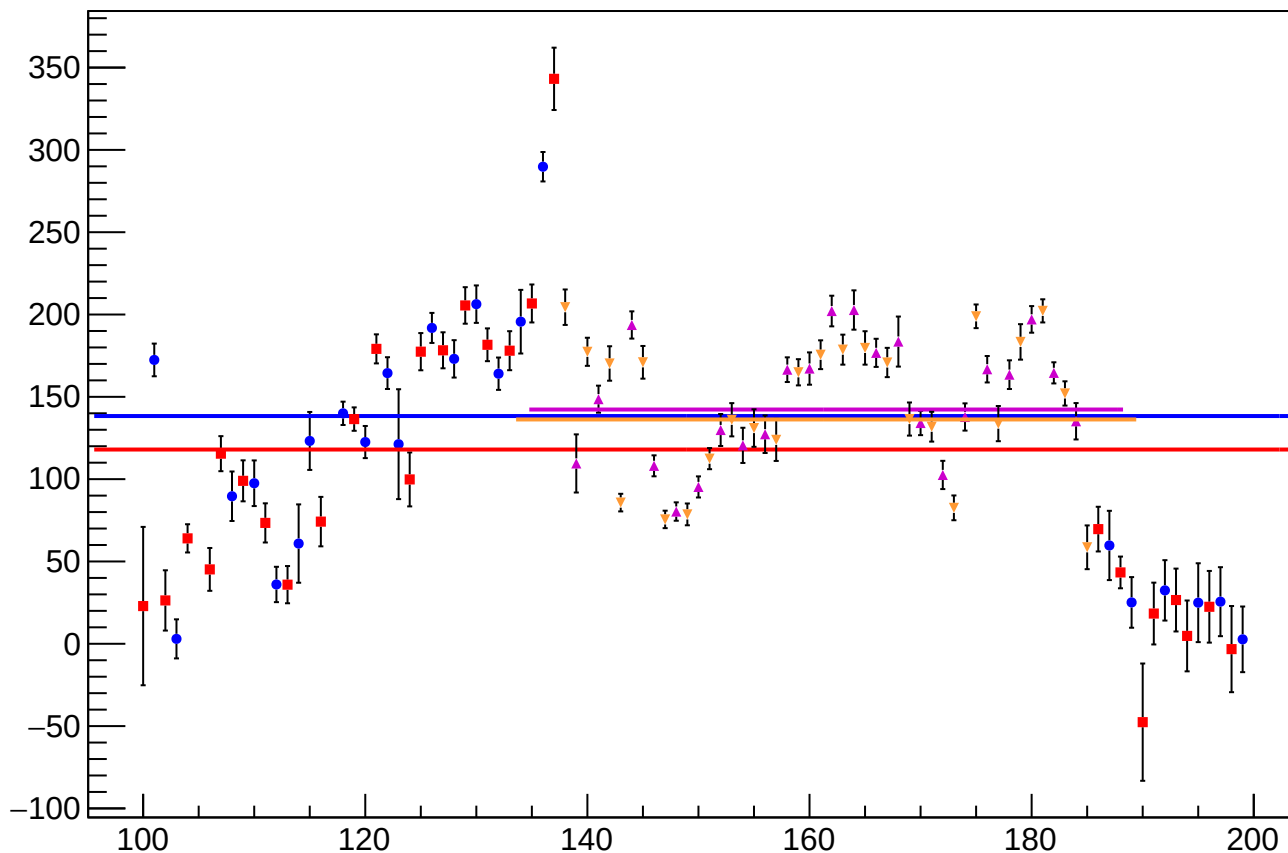
All: 0.121 ± 0.850 $\chi^2/\text{NDF}: 2190.7/97$

- sign 1.803 ± 1.211 $\chi^2/\text{NDF}: 1081.1/49$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 138.336 ± 2.568 $\chi^2/\text{NDF}: 854.3/22$

Left Out: 136.258 ± 1.651 $\chi^2/\text{NDF}: 758.3/24$

Right Out: 117.994 ± 2.397 $\chi^2/\text{NDF}: 834.8/26$

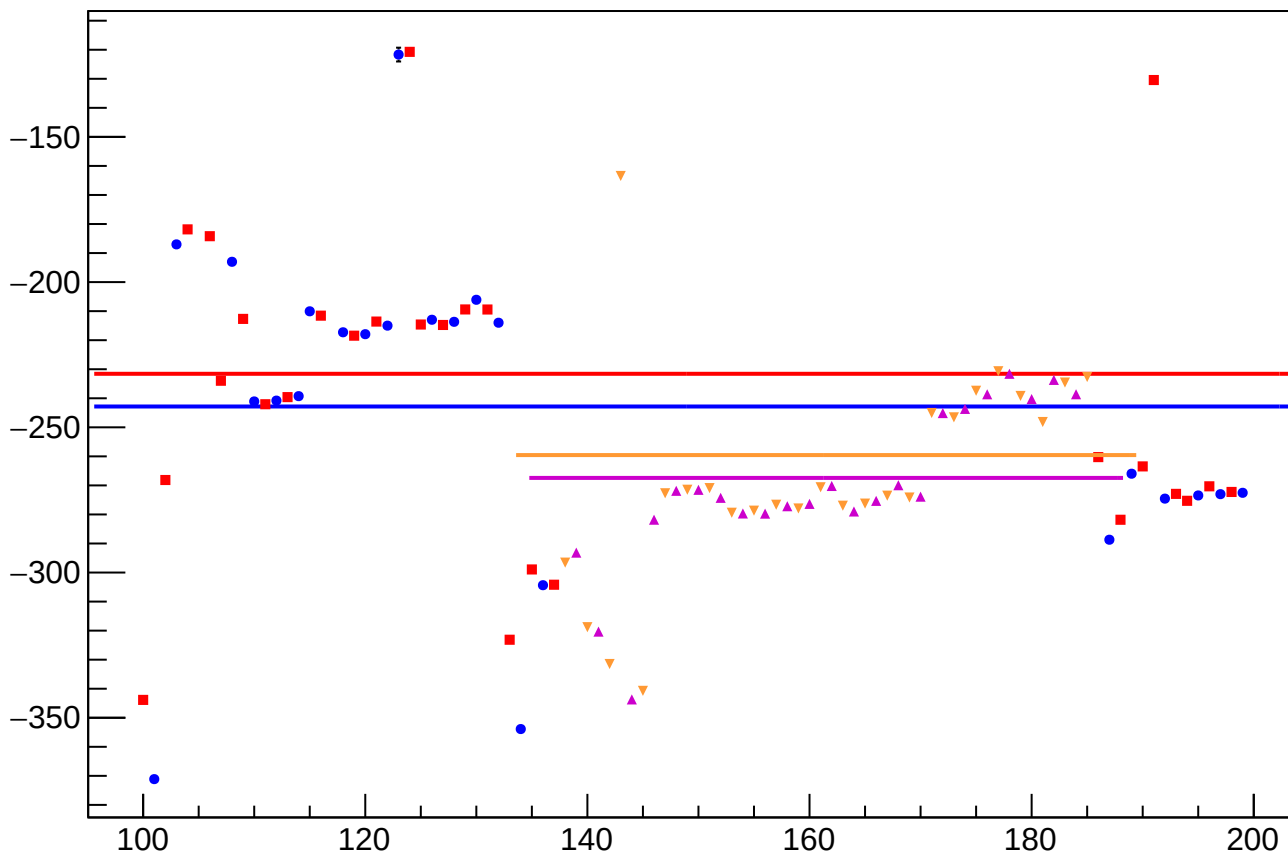
Left In: 142.296 ± 1.745 $\chi^2/\text{NDF}: 459.8/22$

+ sign 136.866 ± 1.389 $\chi^2/\text{NDF}: 1613.1/47$

All: 135.397 ± 0.990 $\chi^2/\text{NDF}: 2977.1/97$

- sign 133.881 ± 1.411 $\chi^2/\text{NDF}: 1361.7/49$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -242.830 ± 0.132 $\chi^2/\text{NDF}: 159697.2/22$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -231.569 ± 0.121 $\chi^2/\text{NDF}: 165974.2/26$

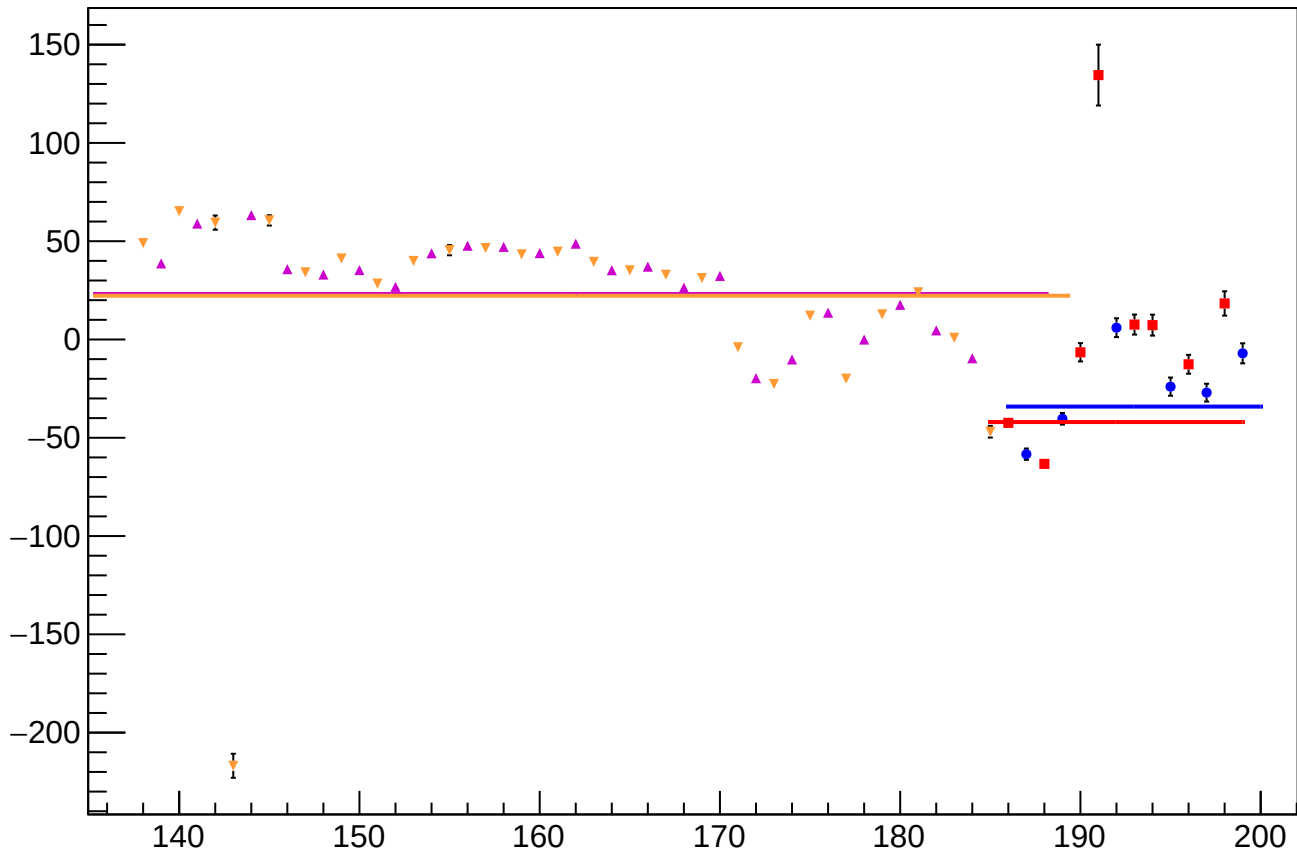
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -255.149 ± 0.068 $\chi^2/\text{NDF}: 409718.4/47$

All: -255.658 ± 0.048 $\chi^2/\text{NDF}: 734319.3/97$

- sign -256.164 ± 0.068 $\chi^2/\text{NDF}: 324488.8/49$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -34.139 ± 1.559 χ^2/NDF : 180.4/5

Left Out: 22.279 ± 0.399 χ^2/NDF : 5171.0/24

Right Out: -42.001 ± 1.036 χ^2/NDF : 687.2/7

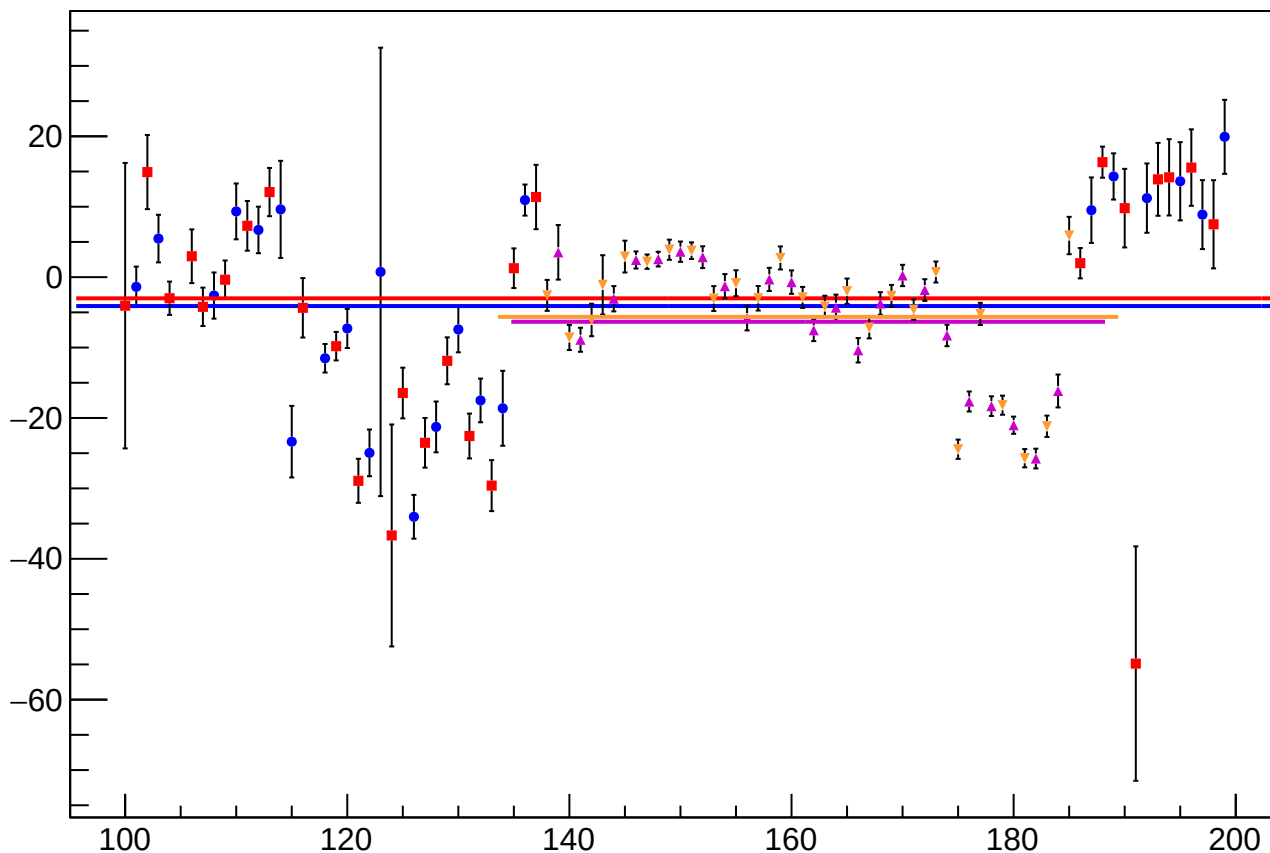
Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 18.813 ± 0.386 χ^2/NDF : 6581.3/30

All: 16.654 ± 0.269 χ^2/NDF : 13513.1/61

- sign 14.626 ± 0.374 χ^2/NDF : 6871.2/30

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.106 ± 0.727 $\chi^2/\text{NDF}: 380.7/22$

Left Out: -5.642 ± 0.316 $\chi^2/\text{NDF}: 893.7/24$

Right Out: -3.009 ± 0.658 $\chi^2/\text{NDF}: 418.8/26$

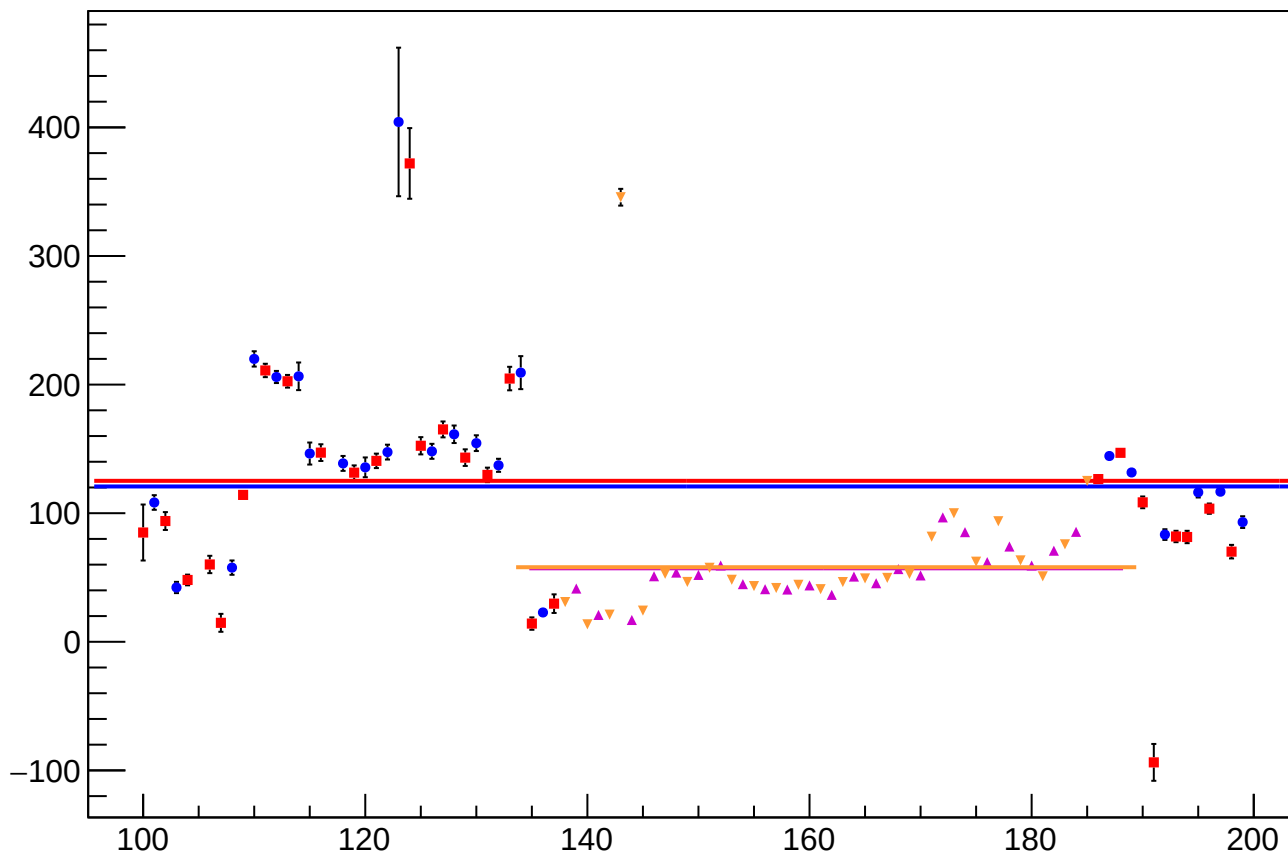
Left In: -6.337 ± 0.321 $\chi^2/\text{NDF}: 783.0/22$

+ sign -5.399 ± 0.289 $\chi^2/\text{NDF}: 1278.1/47$

All: -5.548 ± 0.204 $\chi^2/\text{NDF}: 2501.1/97$

- sign -5.697 ± 0.289 $\chi^2/\text{NDF}: 1222.4/49$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 120.789 ± 0.964 χ^2/NDF : 2404.8/22

Left Out: 57.990 ± 0.398 χ^2/NDF : 4635.7/24

Right Out: 125.169 ± 0.721 χ^2/NDF : 3049.5/26

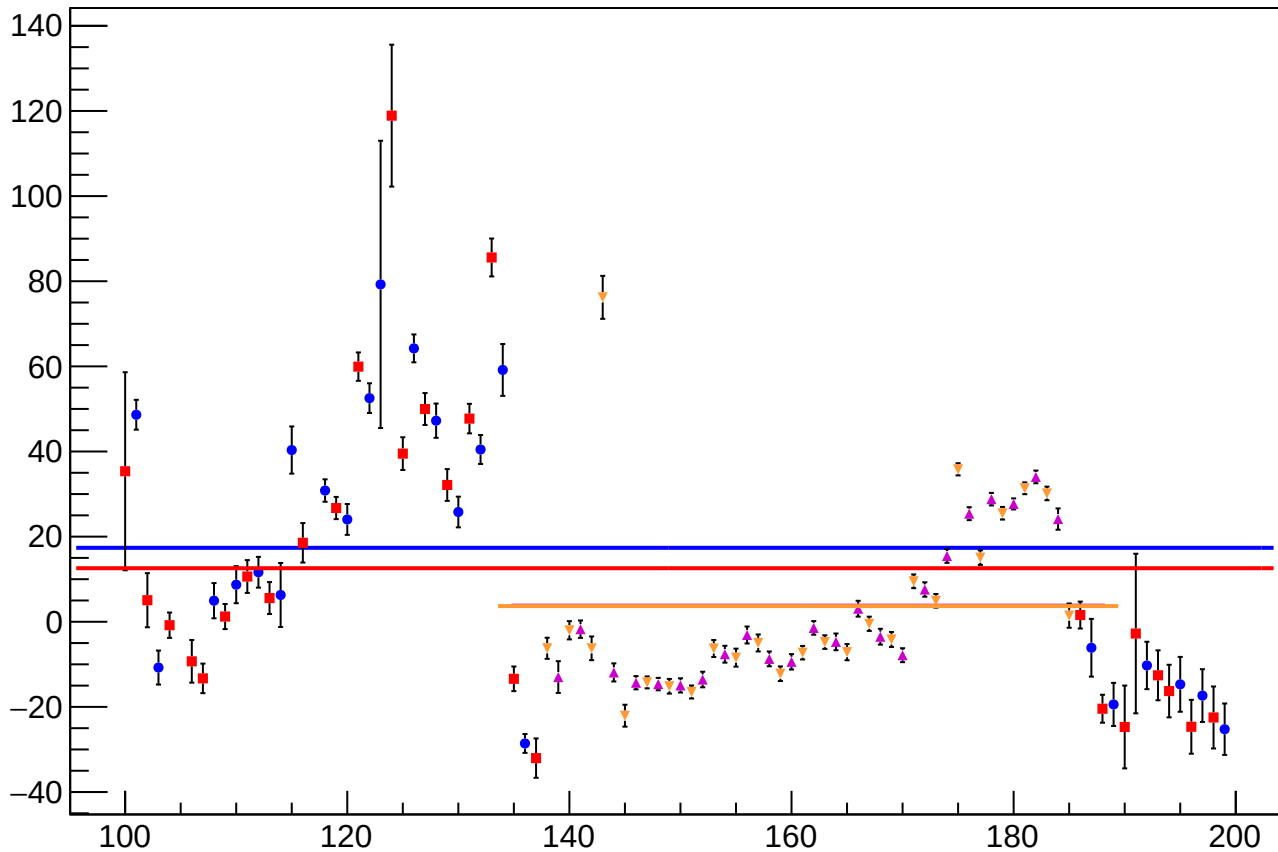
Left In: 57.139 ± 0.400 χ^2/NDF : 1803.4/22

+ sign 67.140 ± 0.368 χ^2/NDF : 10668.9/47

All: 70.292 ± 0.253 χ^2/NDF : 22479.3/97

- sign 73.138 ± 0.349 χ^2/NDF : 11670.7/49

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 17.376 $\pm$ 0.844 χ^2 /NDF: 1282.8/22

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF: 2541.7/24

Right Out: 12.581 $\pm$ 0.786 χ^2 /NDF: 1337.7/26

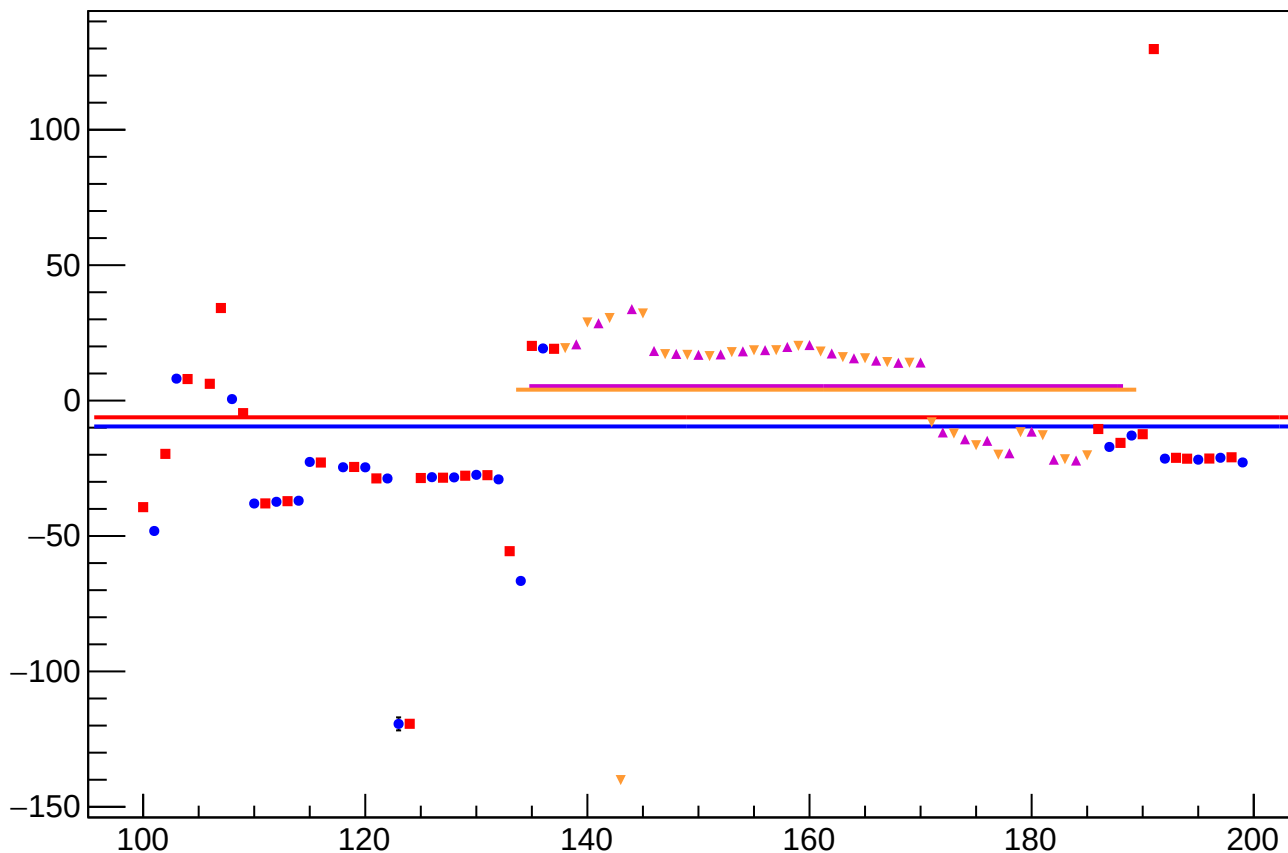
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 5.760 $\pm$ 0.329 χ^2 /NDF: 4047.8/47

All: 5.542 $\pm$ 0.232 χ^2 /NDF: 7688.5/97

- sign 5.324 $\pm$ 0.329 χ^2 /NDF: 3639.8/49

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -9.553 ± 0.041 χ^2/NDF : 286842.9/22

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -6.171 ± 0.039 χ^2/NDF : 368950.2/26

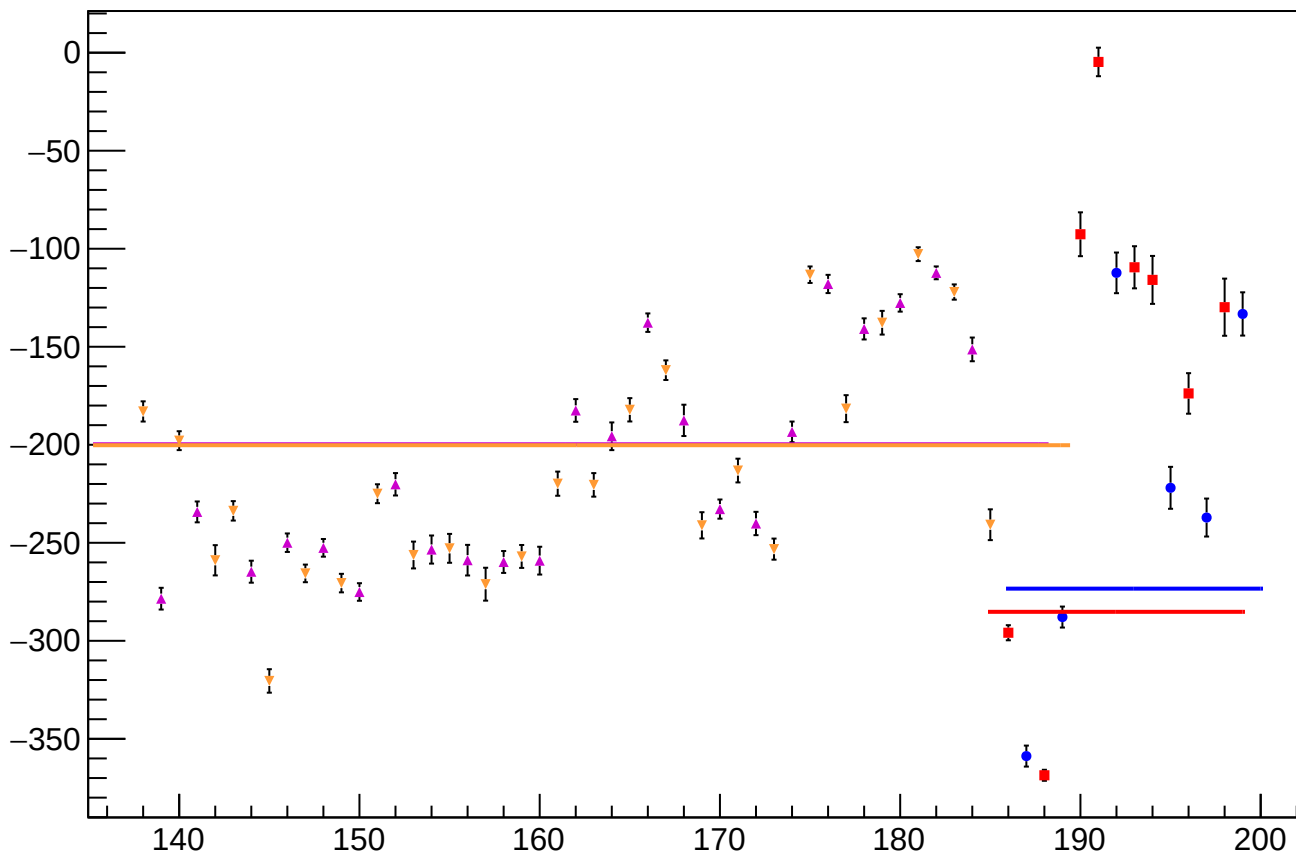
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 2.134 ± 0.015 χ^2/NDF : 1765918.2/47

All: 2.871 ± 0.011 χ^2/NDF : 3291202.1/97

- sign 3.605 ± 0.015 χ^2/NDF : 1520575.8/49

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -273.389 ± 3.062 $\chi^2/\text{NDF}: 701.3/5$

Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$

Right Out: -285.214 ± 2.000 $\chi^2/\text{NDF}: 3357.1/7$

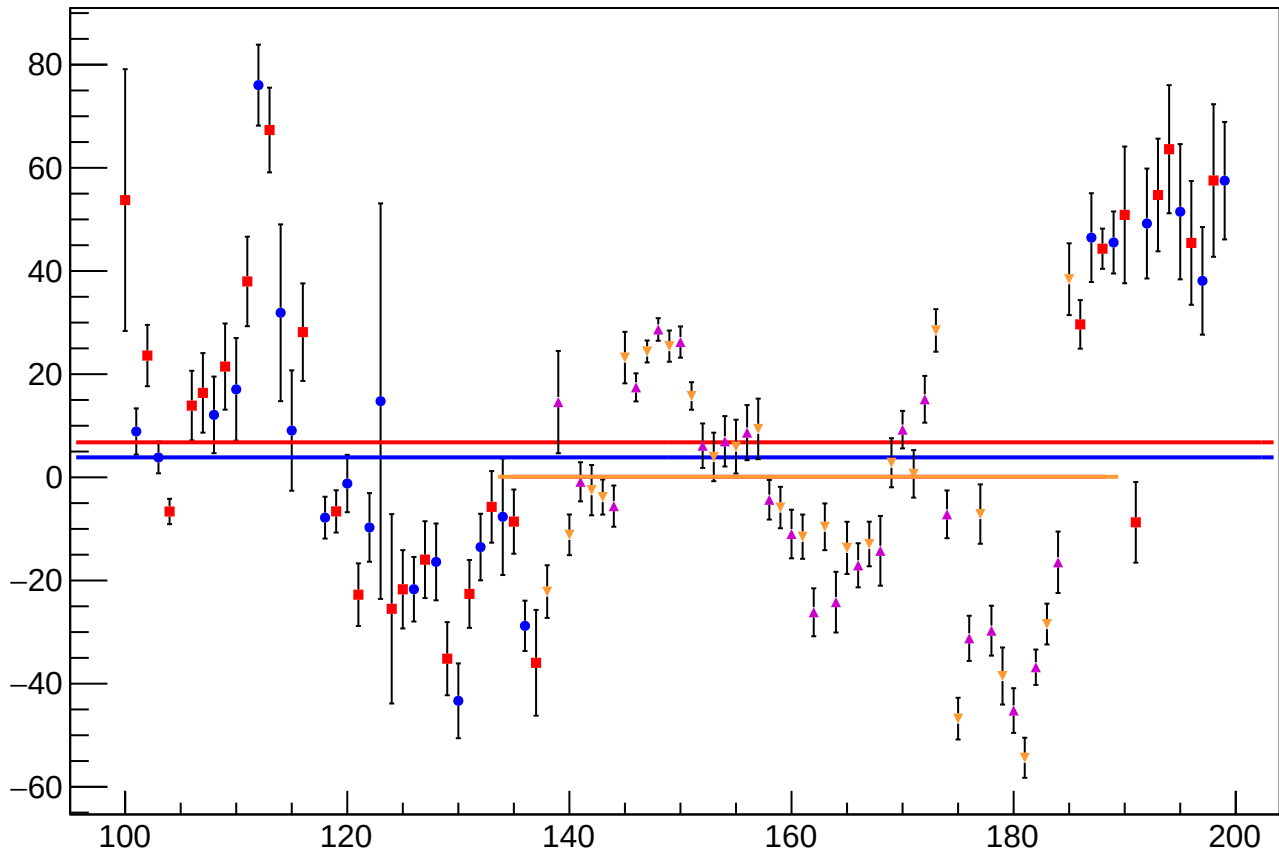
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -208.296 ± 1.017 $\chi^2/\text{NDF}: 4434.4/30$

All: -214.217 ± 0.699 $\chi^2/\text{NDF}: 12227.7/61$

- sign -219.518 ± 0.962 $\chi^2/\text{NDF}: 7729.0/30$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 3.871 ± 1.366 $\chi^2/\text{NDF}: 361.4/22$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 6.788 ± 1.221 $\chi^2/\text{NDF}: 455.4/26$

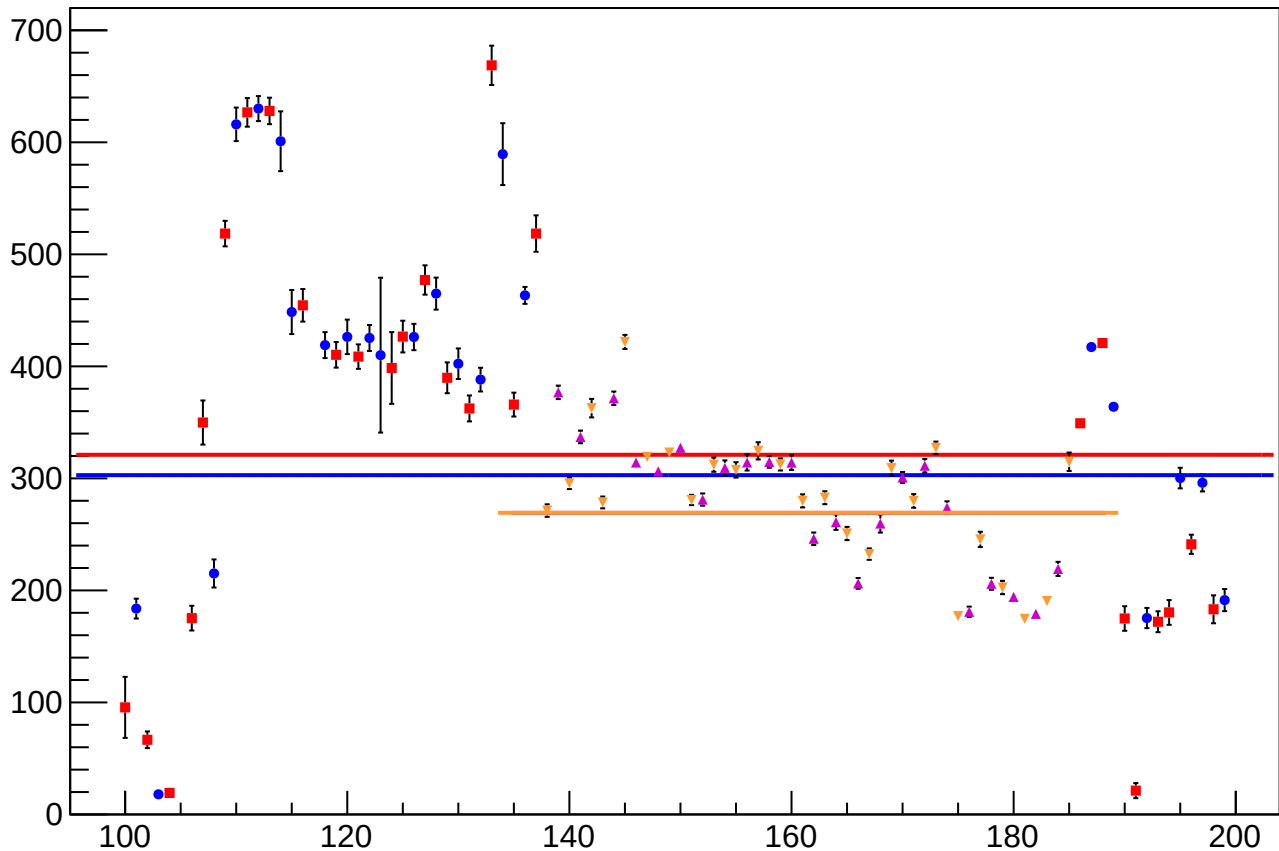
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 1.082 ± 0.695 $\chi^2/\text{NDF}: 1198.2/47$

All: 1.665 ± 0.490 $\chi^2/\text{NDF}: 2390.9/97$

- sign 2.240 ± 0.691 $\chi^2/\text{NDF}: 1191.3/49$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 302.885 ± 1.783 $\chi^2/\text{NDF}: 9039.6/22$

Left Out: 269.278 ± 1.078 $\chi^2/\text{NDF}: 3146.7/24$

Right Out: 321.066 ± 1.364 $\chi^2/\text{NDF}: 13605.6/26$

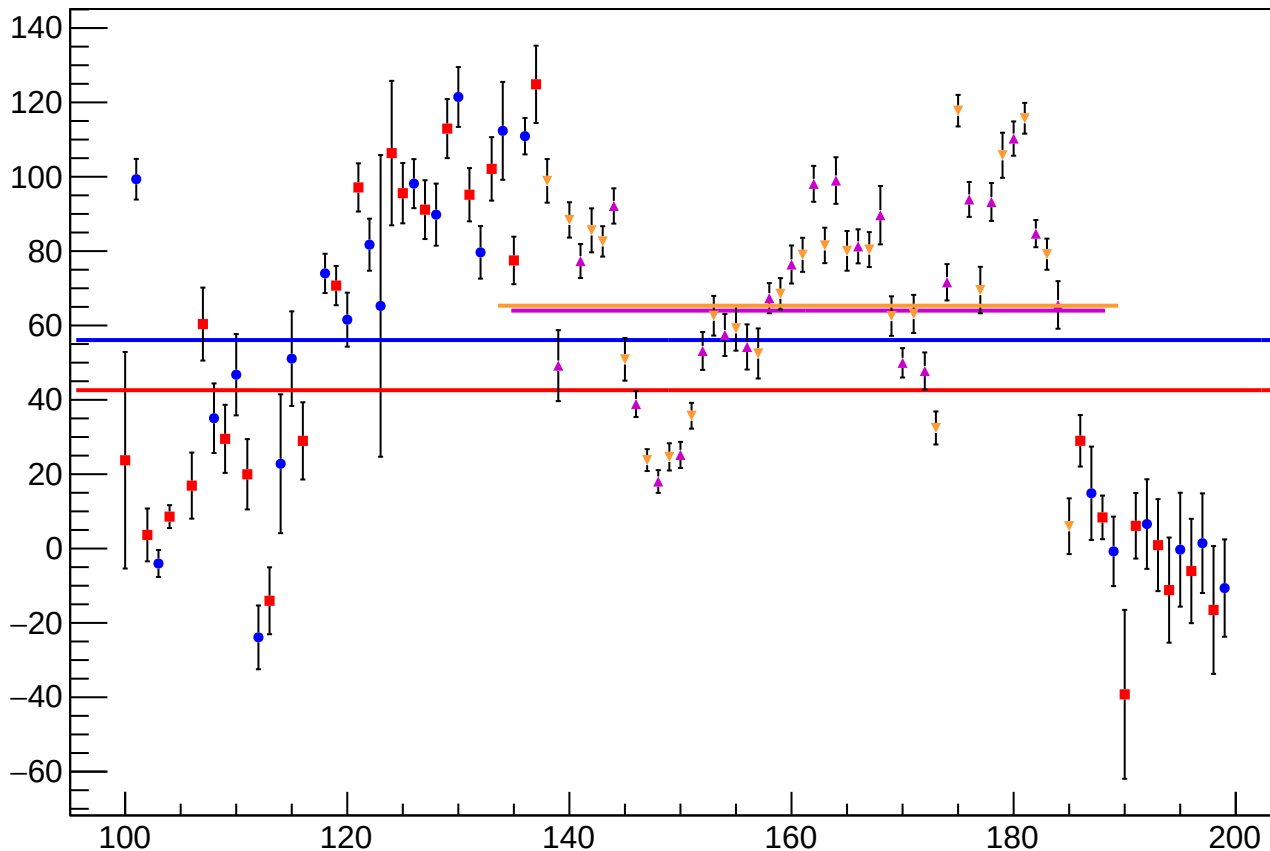
Left In: 269.191 ± 1.091 $\chi^2/\text{NDF}: 3170.2/22$

+ sign 278.268 ± 0.922 $\chi^2/\text{NDF}: 12446.5/47$

All: 284.282 ± 0.626 $\chi^2/\text{NDF}: 30183.1/97$

- sign 289.414 ± 0.852 $\chi^2/\text{NDF}: 17657.8/49$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 56.077 $\pm$ 1.606 χ^2 /NDF: 855.4/22

Left Out: 65.323 $\pm$ 0.935 χ^2 /NDF:1007.1/24

Right Out: 42.592 $\pm$ 1.483 χ^2 /NDF: 794.0/26

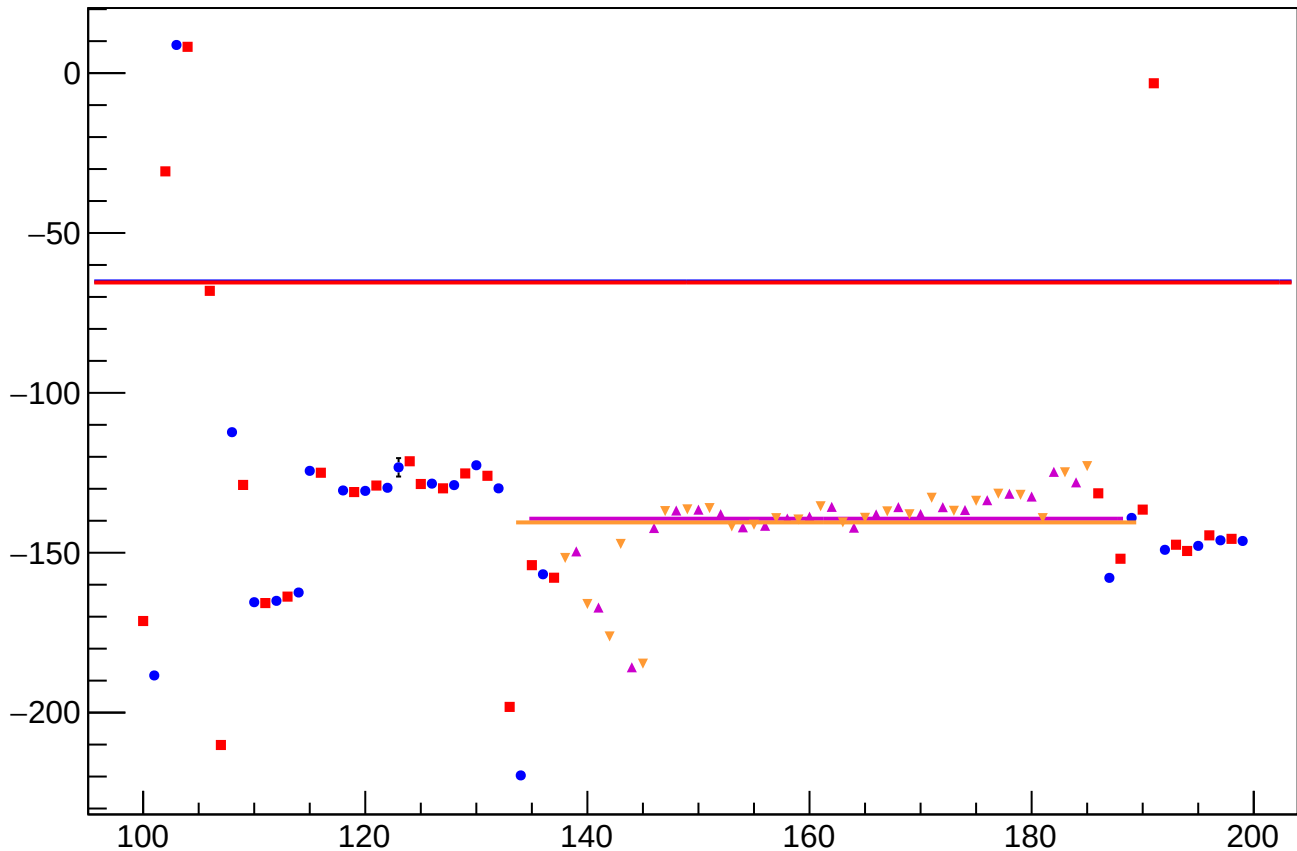
Left In: 63.999 $\pm$ 0.963 χ^2 /NDF:799.5/22

+ sign 62.983 $\pm$ 0.808 χ^2 /NDF: 1887.3/47

All: 60.316 $\pm$ 0.571 χ^2 /NDF: 3649.2/97

- sign 57.651 $\pm$ 0.808 χ^2 /NDF: 1740.1/49

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -65.151 ± 0.066 $\chi^2/\text{NDF}: 1450375.0/22$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -65.481 ± 0.064 $\chi^2/\text{NDF}: 1298658.4/26$

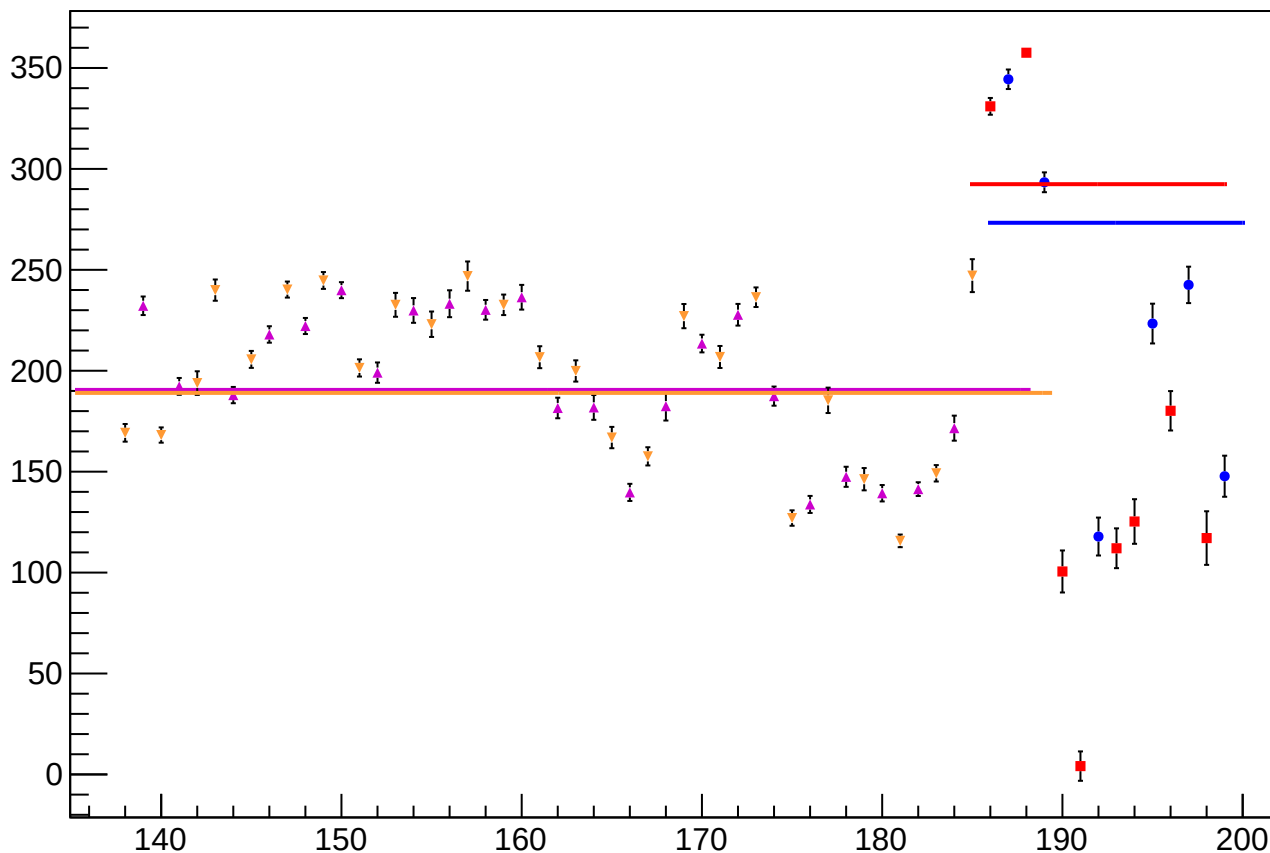
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -116.821 ± 0.037 $\chi^2/\text{NDF}: 2427642.6/47$

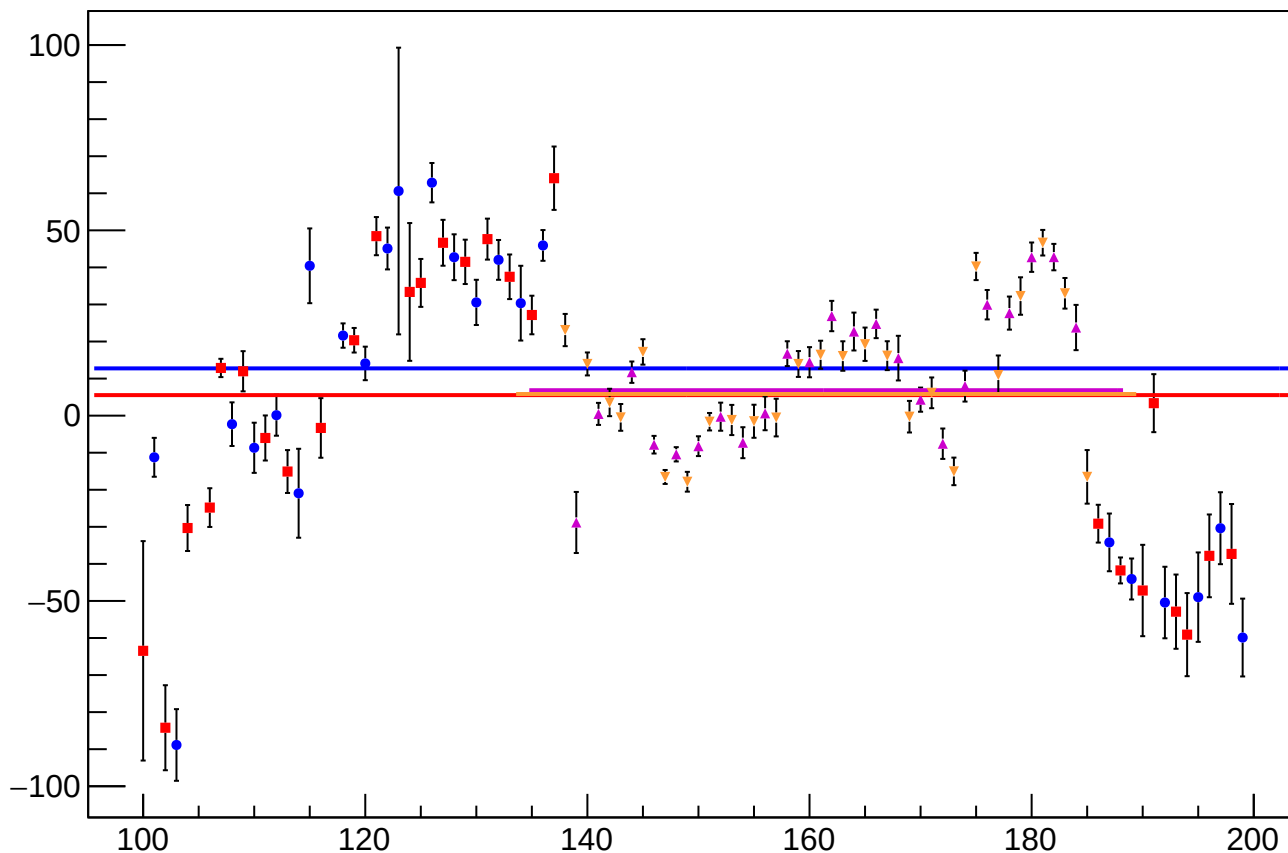
All: -115.742 ± 0.026 $\chi^2/\text{NDF}: 4690790.3/97$

- sign -114.672 ± 0.037 $\chi^2/\text{NDF}: 2261442.3/49$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.752 ± 1.293 $\chi^2/\text{NDF}: 706.5/22$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 5.540 ± 1.093 $\chi^2/\text{NDF}: 845.2/26$

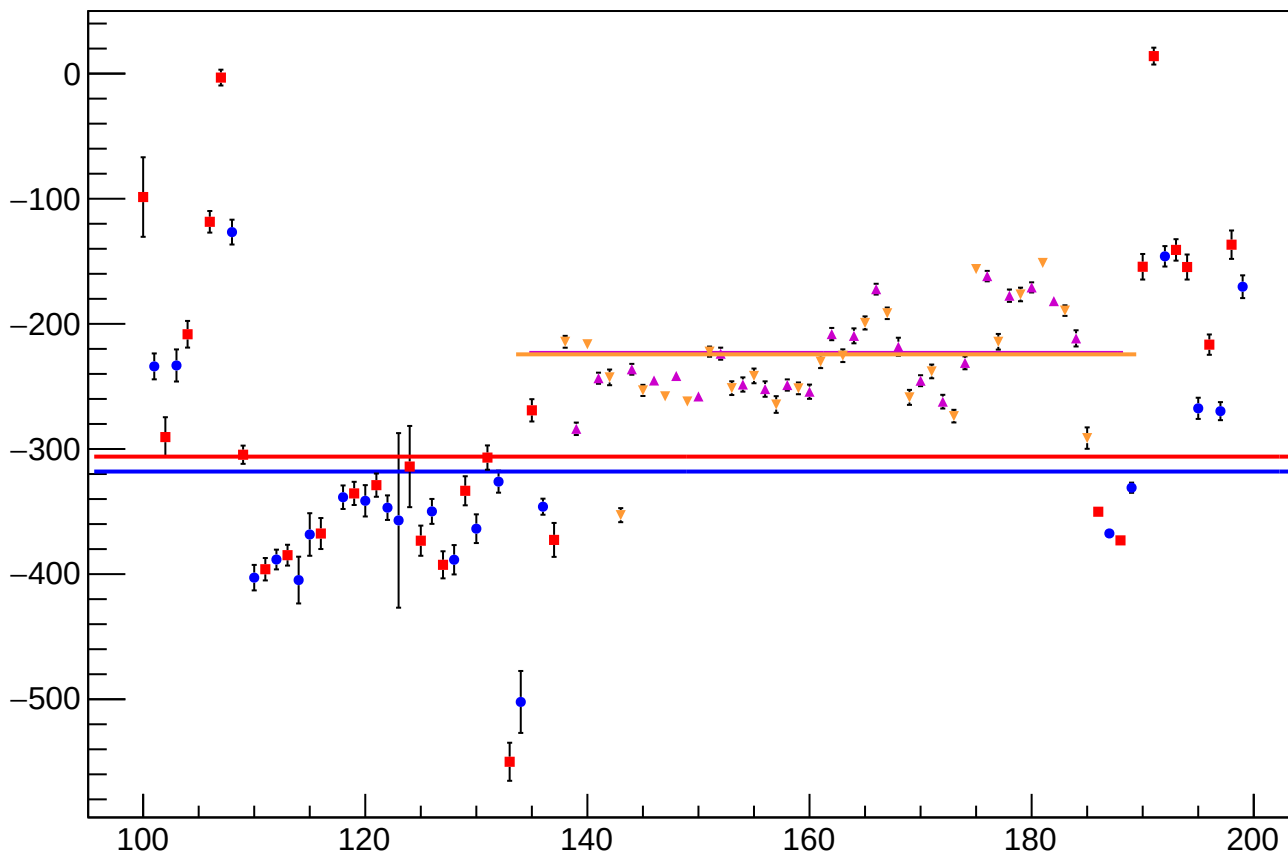
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 7.446 ± 0.624 $\chi^2/\text{NDF}: 1380.7/47$

All: 6.937 ± 0.436 $\chi^2/\text{NDF}: 2750.9/97$

- sign 6.449 ± 0.611 $\chi^2/\text{NDF}: 1368.9/49$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -318.015 ± 1.732 χ^2/NDF : 1767.0/22

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -306.089 ± 1.290 χ^2/NDF : 8233.8/26

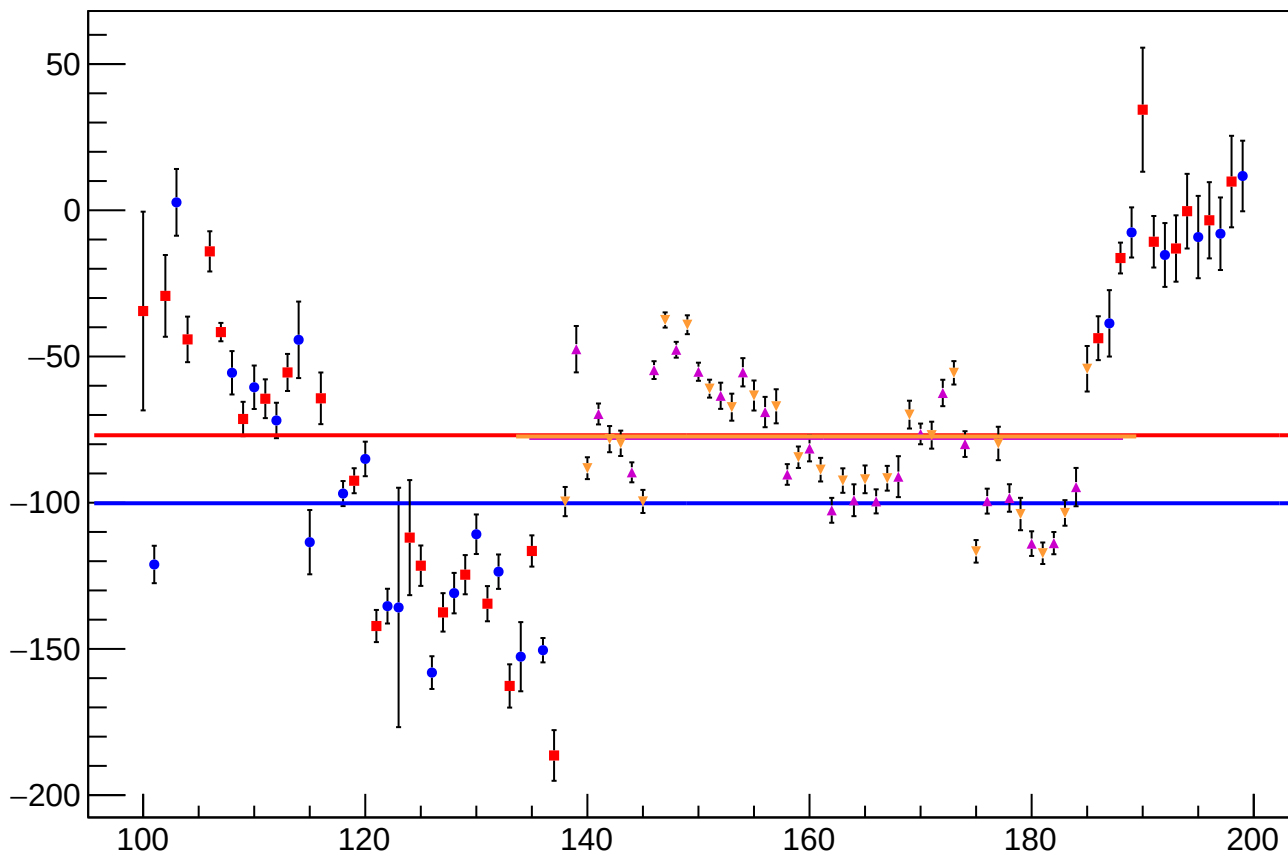
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -246.238 ± 0.837 χ^2/NDF : 6111.5/47

All: -249.943 ± 0.569 χ^2/NDF : 18288.5/97

- sign -253.120 ± 0.775 χ^2/NDF : 12140.6/49

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -100.187 ± 1.510 χ^2/NDF : 940.9/22

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -76.936 ± 1.315 χ^2/NDF : 1399.8/26

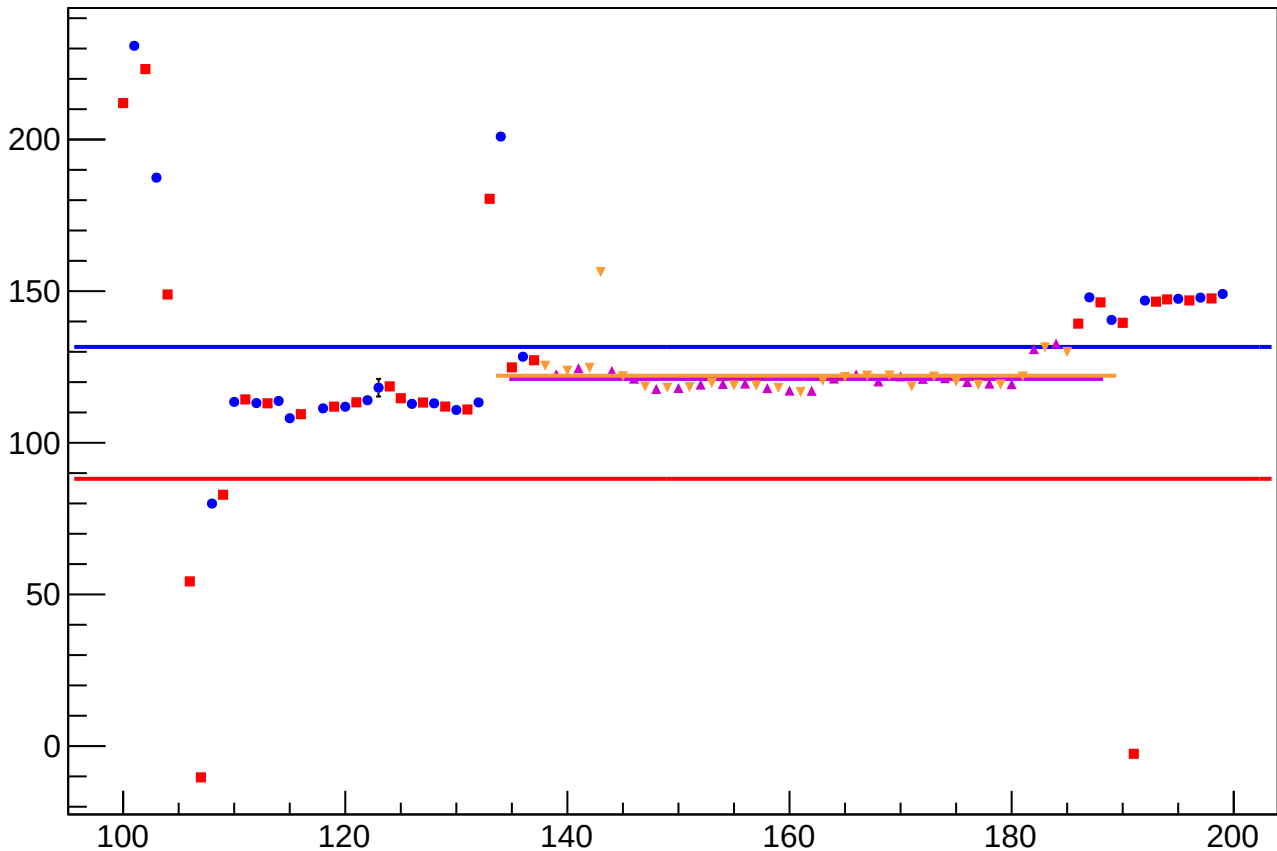
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -82.609 ± 0.725 χ^2/NDF : 1963.2/47

All: -80.049 ± 0.508 χ^2/NDF : 4010.6/97

- sign -77.573 ± 0.713 χ^2/NDF : 2022.9/49

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 131.612 $\pm$ 0.079 χ^2 /NDF: 198275.2/22

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF: 30480.7/24

Right Out: 88.126 $\pm$ 0.065 χ^2 /NDF: 1057824.0/26

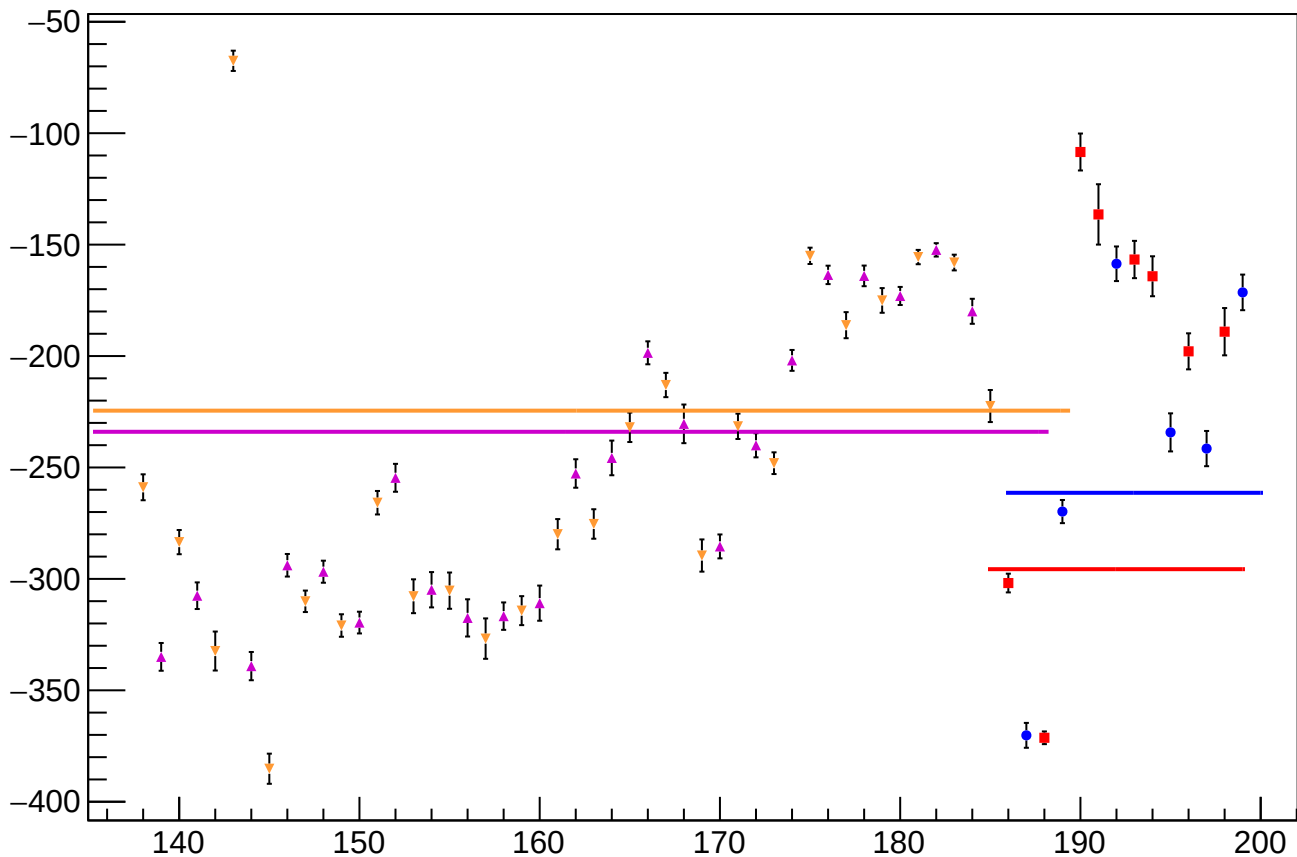
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 124.007 $\pm$ 0.035 χ^2 /NDF: 240294.3/47

All: 117.813 $\pm$ 0.024 χ^2 /NDF: 1552264.6/97

- sign 112.093 $\pm$ 0.034 χ^2 /NDF: 1252668.1/49

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -261.366 ± 2.762 $\chi^2/\text{NDF}: 700.8/5$

Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$

Right Out: -295.642 ± 1.998 $\chi^2/\text{NDF}: 2091.5/7$

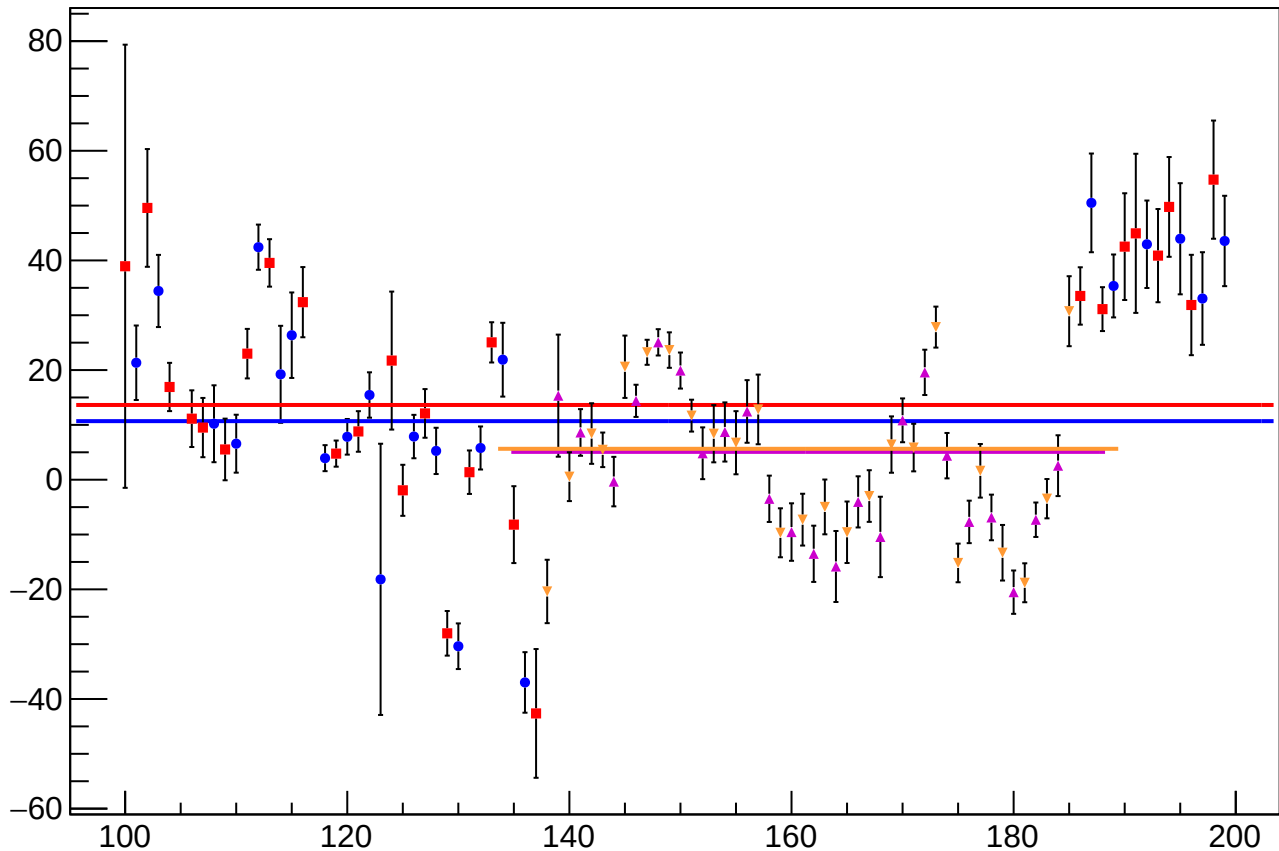
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -229.382 ± 1.005 $\chi^2/\text{NDF}: 5725.9/30$

All: -239.284 ± 0.698 $\chi^2/\text{NDF}: 12271.0/61$

- sign -248.495 ± 0.969 $\chi^2/\text{NDF}: 6357.7/30$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.684 $\pm$ 1.045 χ^2/NDF : 358.2/22

Left Out: 5.638 $\pm$ 0.828 χ^2/NDF : 313.6/24

Right Out: 13.633 $\pm$ 0.986 χ^2/NDF : 339.1/26

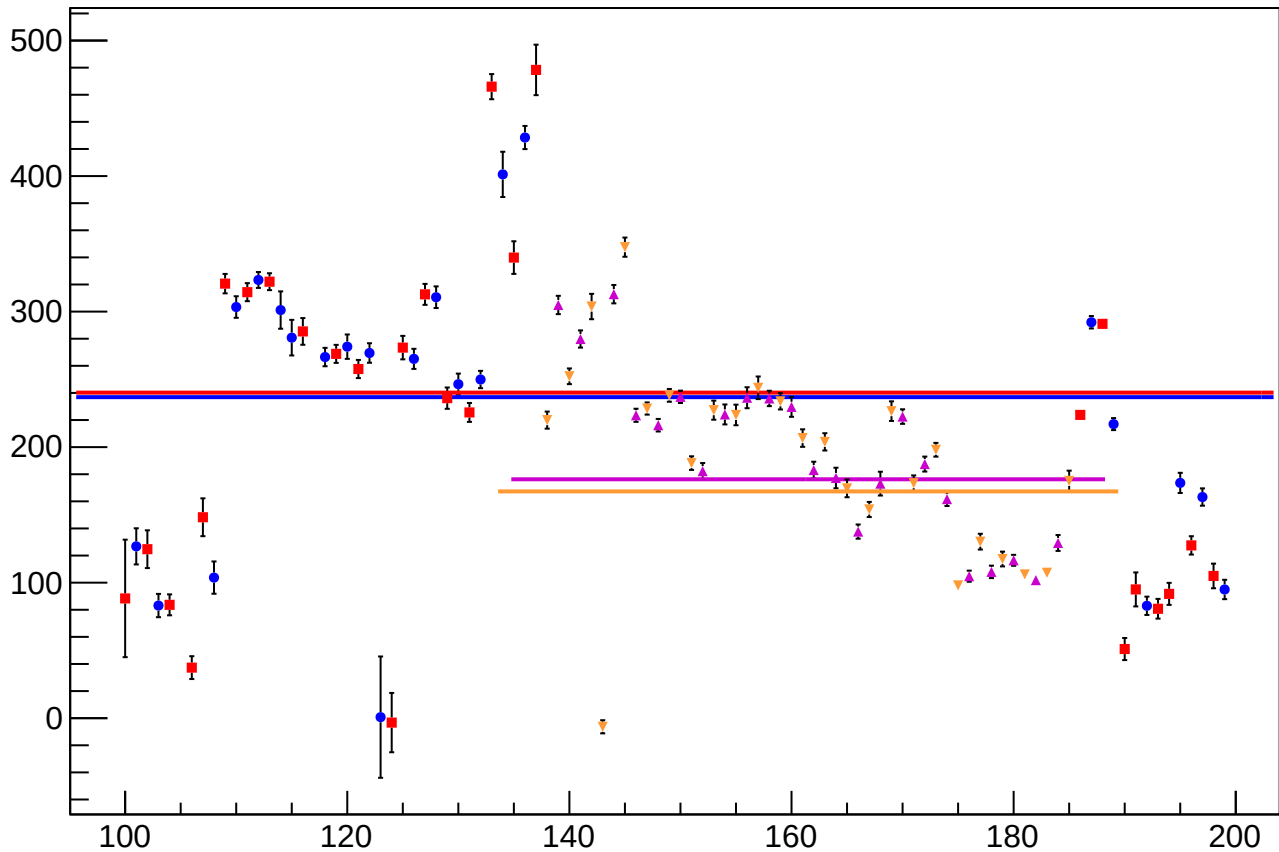
Left In: 5.077 $\pm$ 0.869 χ^2/NDF : 239.7/22

+ sign 7.584 $\pm$ 0.649 χ^2/NDF : 686.2/47

All: 8.199 $\pm$ 0.460 χ^2/NDF : 1309.2/97

- sign 8.819 $\pm$ 0.652 χ^2/NDF : 621.2/49

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 236.879 $\pm$ 1.561 χ^2 /NDF: 2906.5/22

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF: 4454.5/24

Right Out: 240.227 $\pm$ 1.268 χ^2 /NDF: 5135.5/26

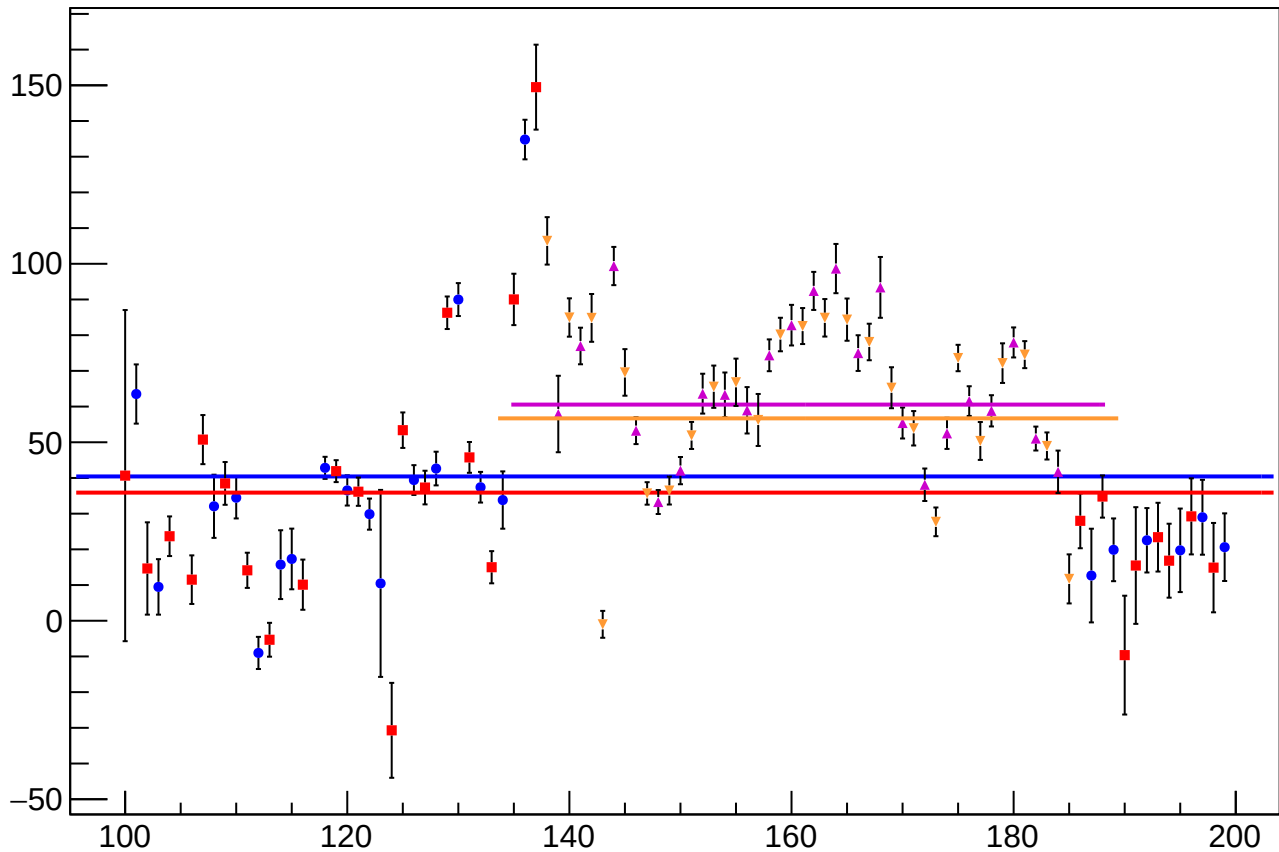
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF: 3169.5/22

+ sign 189.918 $\pm$ 0.889 χ^2 /NDF: 8701.9/47

All: 197.358 $\pm$ 0.608 χ^2 /NDF: 18583.0/97

- sign 203.890 $\pm$ 0.833 χ^2 /NDF: 9749.8/49

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 40.426 $\pm$ 1.220 χ^2 /NDF: 597.7/22

Left Out: 56.695 $\pm$ 0.952 χ^2 /NDF: 690.4/24

Right Out: 35.894 $\pm$ 1.161 χ^2 /NDF: 490.2/26

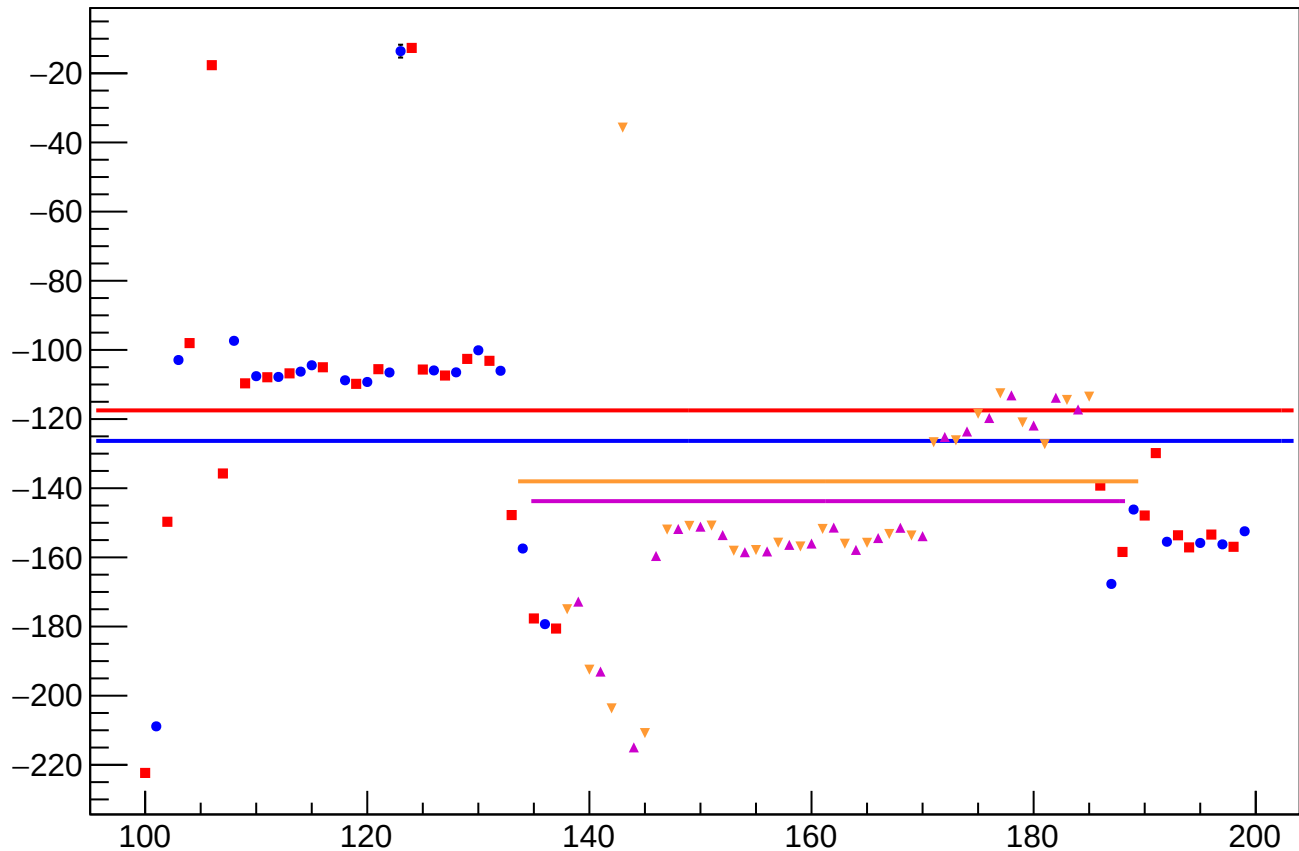
Left In: 60.555 $\pm$ 0.990 χ^2 /NDF: 335.6/22

+ sign 50.538 $\pm$ 0.750 χ^2 /NDF: 1398.7/47

All: 50.355 $\pm$ 0.532 χ^2 /NDF: 2485.9/97

- sign 50.171 $\pm$ 0.753 χ^2 /NDF: 1087.0/49

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -126.313 ± 0.069 $\chi^2/\text{NDF}: 193627.5/22$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -117.490 ± 0.063 $\chi^2/\text{NDF}: 430009.7/26$

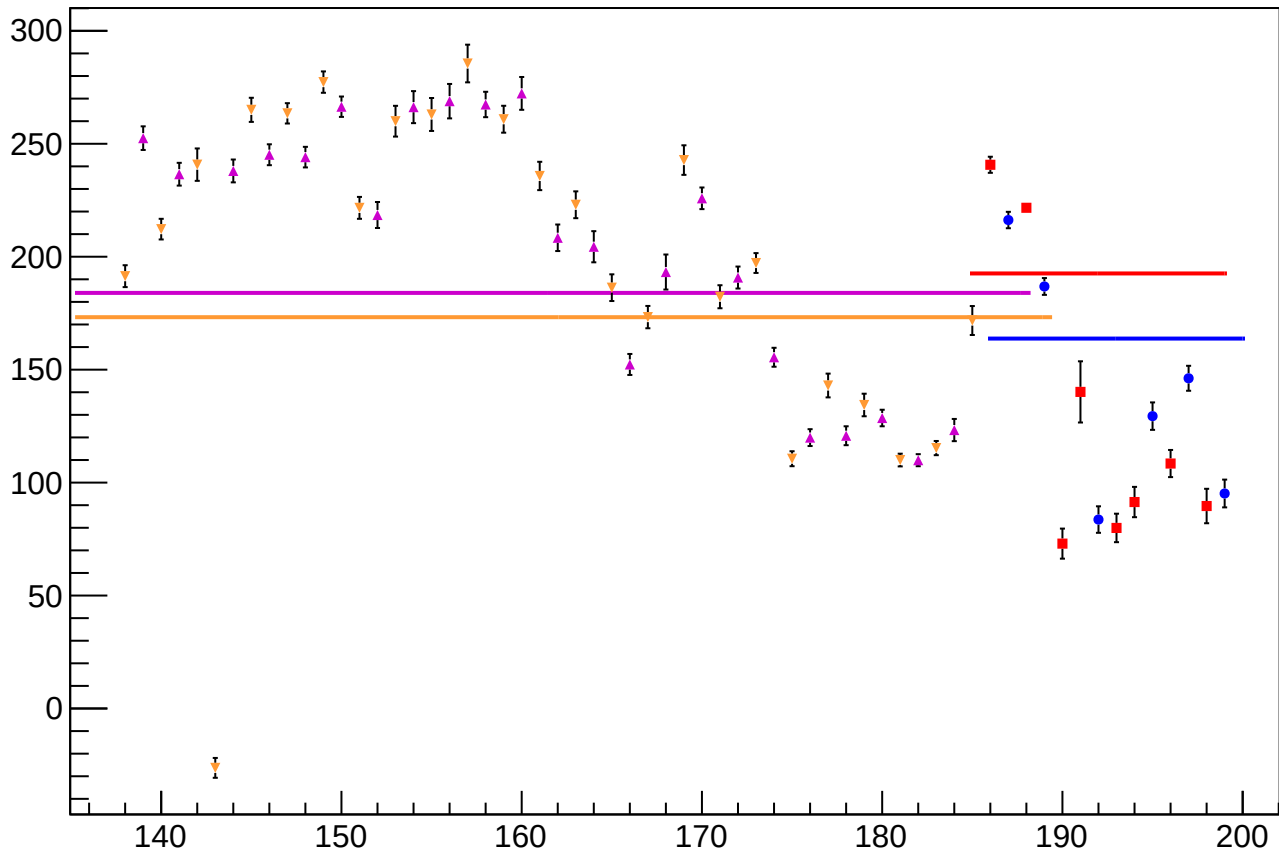
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -134.480 ± 0.038 $\chi^2/\text{NDF}: 779656.2/47$

All: -134.545 ± 0.026 $\chi^2/\text{NDF}: 1580793.0/97$

- sign -134.609 ± 0.037 $\chi^2/\text{NDF}: 801130.9/49$

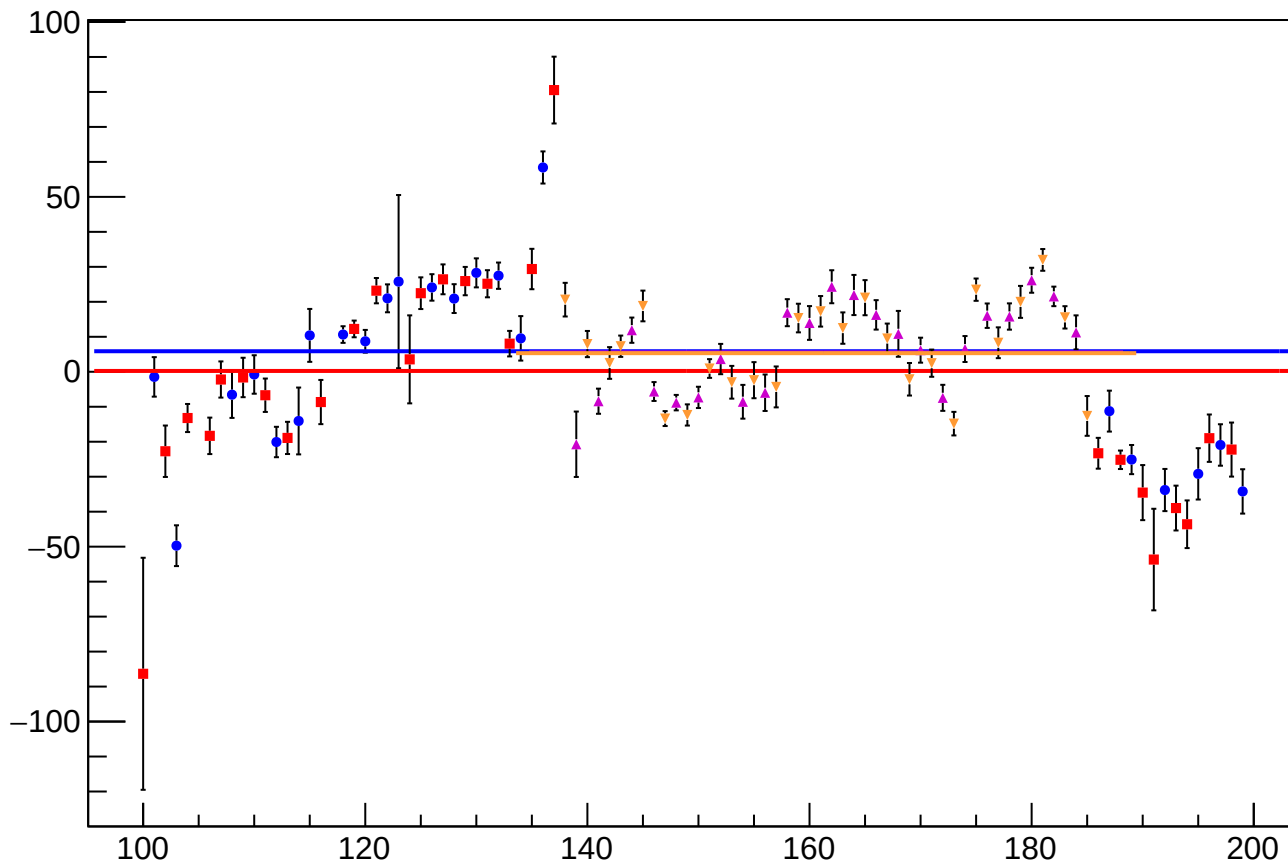
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 163.765 ± 1.948 χ^2/NDF : 600.3/5
 Left Out: 173.229 ± 0.966 χ^2/NDF : 5846.0/24
 Right Out: 192.597 ± 1.433 χ^2/NDF : 1688.8/7
 Left In: 183.984 ± 0.991 χ^2/NDF : 3613.7/22

+ sign 171.363 ± 0.865 χ^2/NDF : 6465.2/30
 All: 179.527 ± 0.593 χ^2/NDF : 11960.1/61
 - sign 186.771 ± 0.815 χ^2/NDF : 5326.9/30

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.871 ± 0.976 χ^2/NDF : 577.9/22

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: 0.235 ± 0.909 χ^2/NDF : 621.5/26

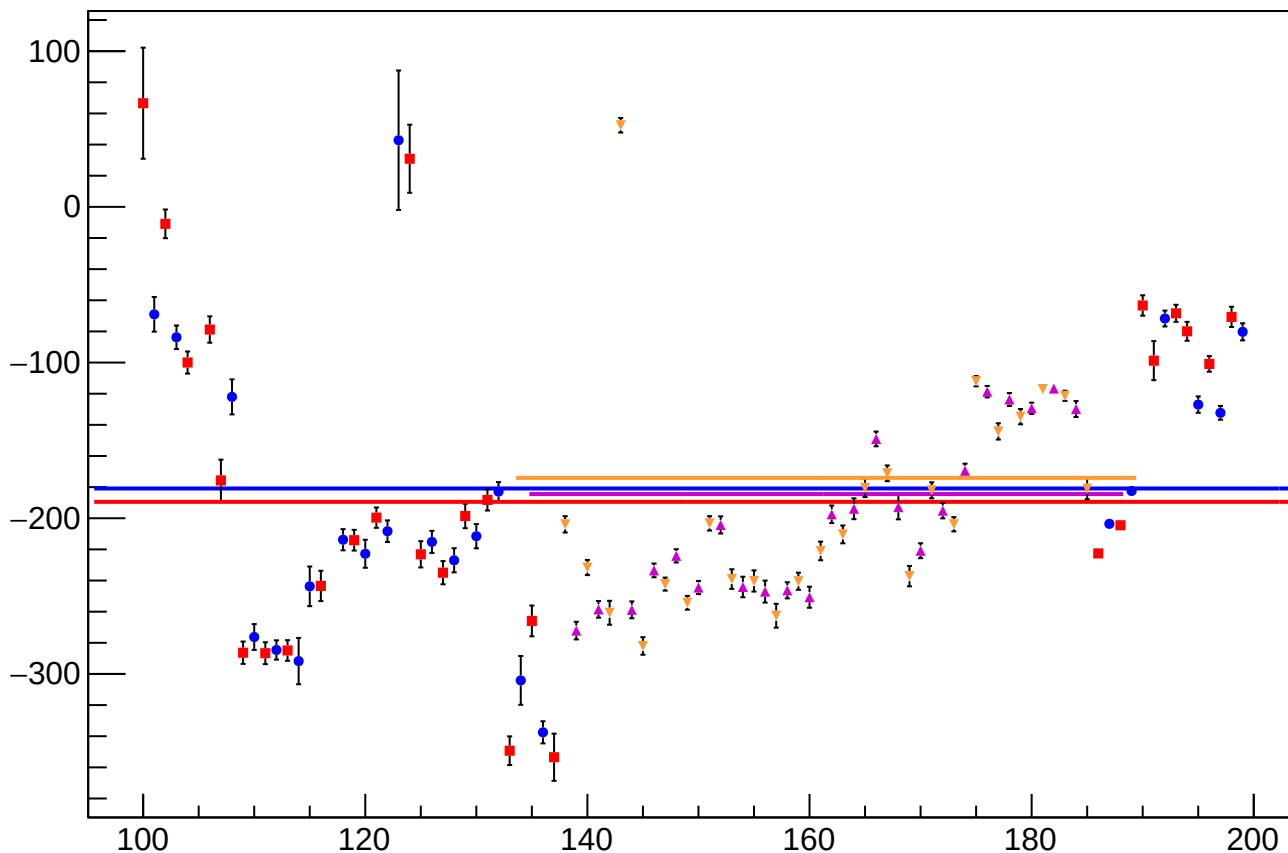
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 5.524 ± 0.593 χ^2/NDF : 923.6/47

All: 4.401 ± 0.419 χ^2/NDF : 1828.1/97

- sign 3.281 ± 0.593 χ^2/NDF : 897.3/49

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -180.883 ± 1.272 χ^2/NDF : 2569.3/22

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -189.460 ± 1.004 χ^2/NDF : 4136.9/26

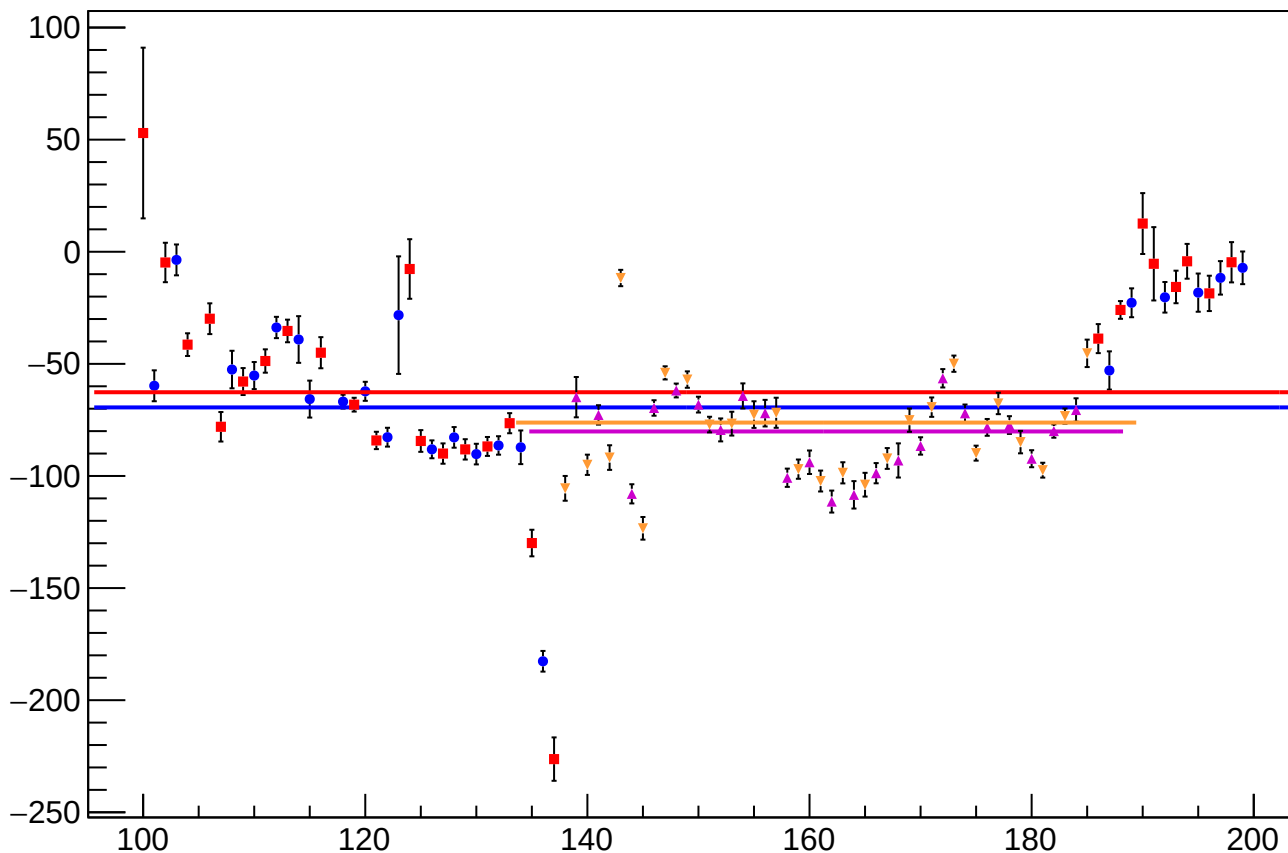
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -176.571 ± 0.772 χ^2/NDF : 8030.7/47

All: -182.213 ± 0.521 χ^2/NDF : 15329.8/97

- sign -186.924 ± 0.705 χ^2/NDF : 7201.1/49

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -69.421 ± 1.146 $\chi^2/\text{NDF}: 1136.9/22$

Left Out: -76.182 ± 0.857 $\chi^2/\text{NDF}: 801.0/24$

Right Out: -62.654 ± 1.087 $\chi^2/\text{NDF}: 1052.6/26$

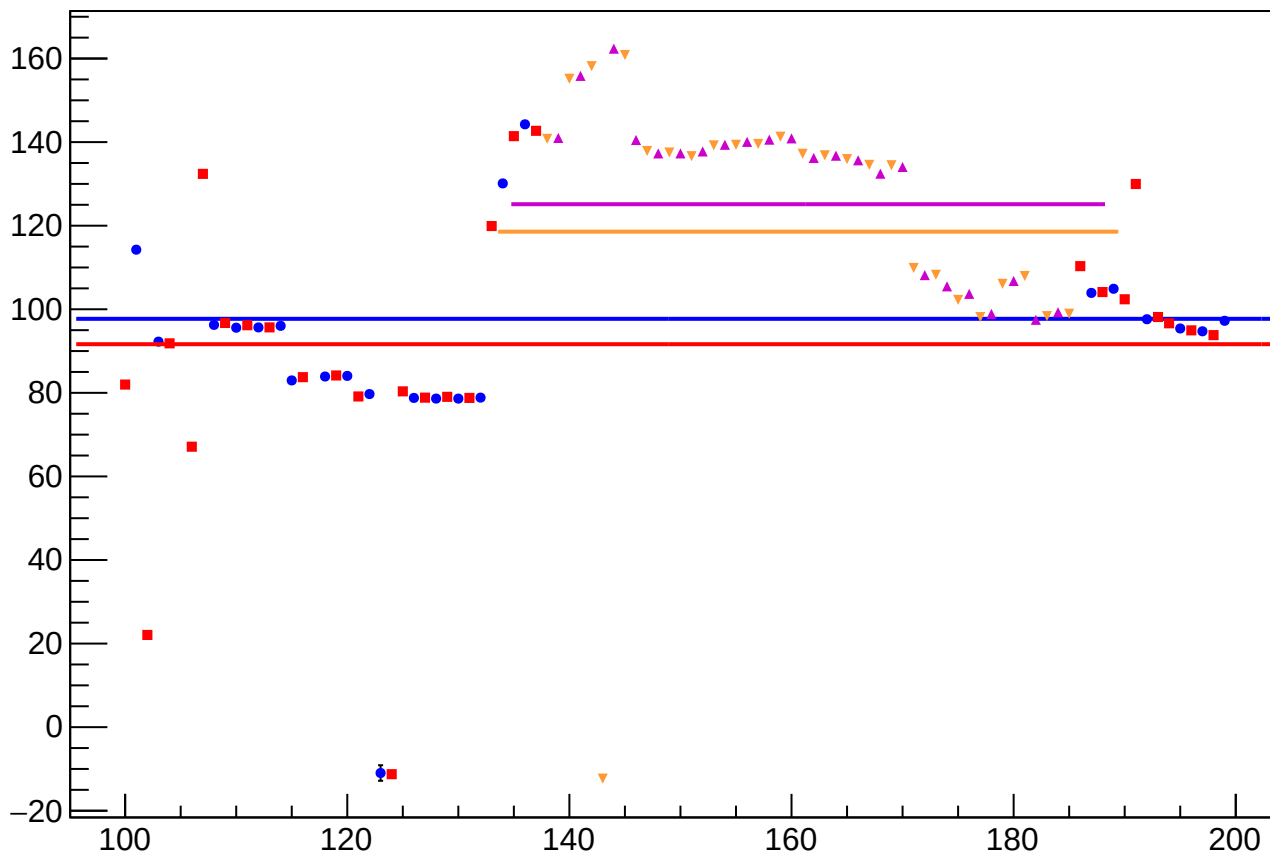
Left In: -80.149 ± 0.889 $\chi^2/\text{NDF}: 283.3/22$

+ sign -73.757 ± 0.687 $\chi^2/\text{NDF}: 1960.2/47$

All: -73.449 ± 0.486 $\chi^2/\text{NDF}: 3451.6/97$

- sign -73.140 ± 0.688 $\chi^2/\text{NDF}: 1491.0/49$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.714 $\pm$ 0.061 χ^2 /NDF: 94847.2/22

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 91.640 $\pm$ 0.056 χ^2 /NDF: 239813.4/26

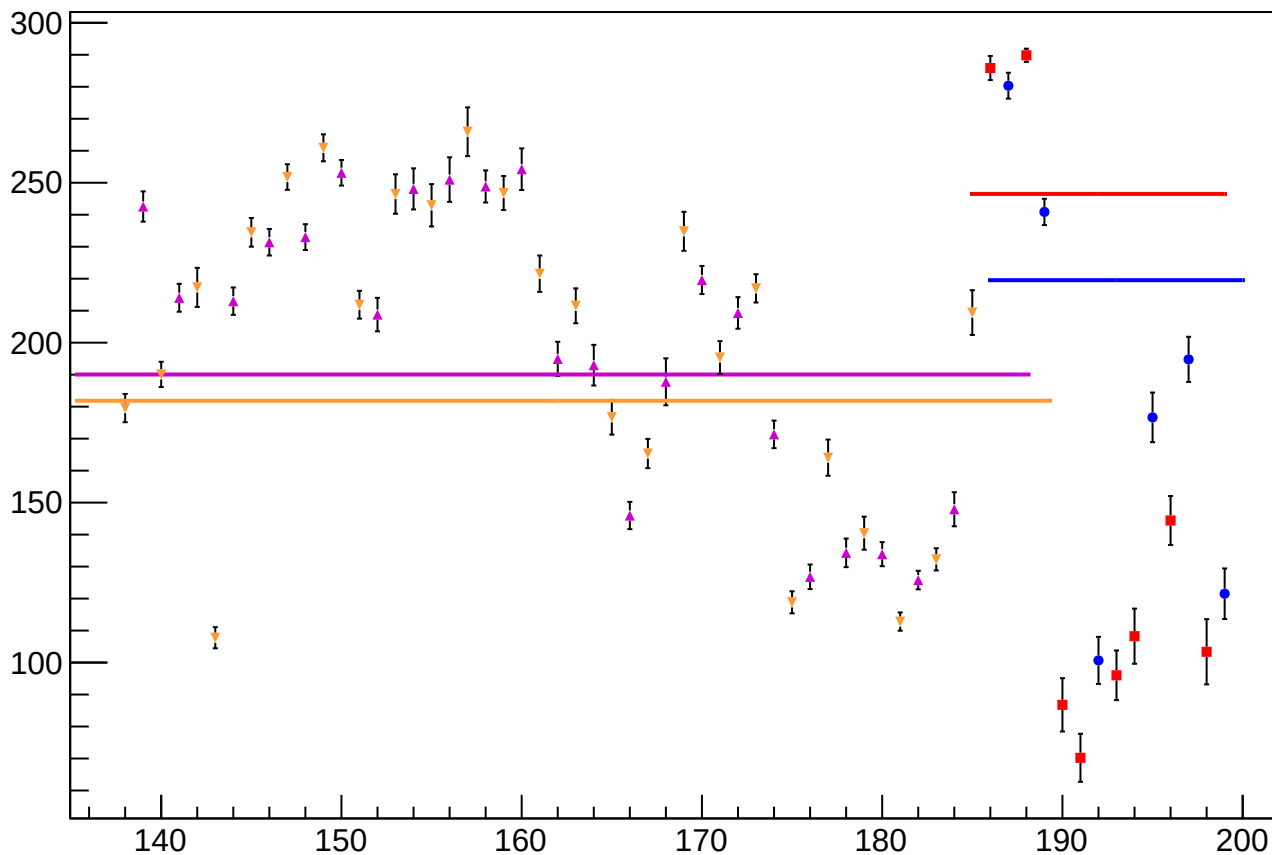
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 112.125 $\pm$ 0.034 χ^2 /NDF: 905491.8/47

All: 112.703 $\pm$ 0.024 χ^2 /NDF: 1600228.8/97

- sign 113.264 $\pm$ 0.033 χ^2 /NDF: 694156.4/49

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 219.532 ± 2.286 $\chi^2/\text{NDF}: 710.2/5$

Left Out: 181.850 ± 0.913 $\chi^2/\text{NDF}: 3303.4/24$

Right Out: 246.498 ± 1.595 $\chi^2/\text{NDF}: 2476.0/7$

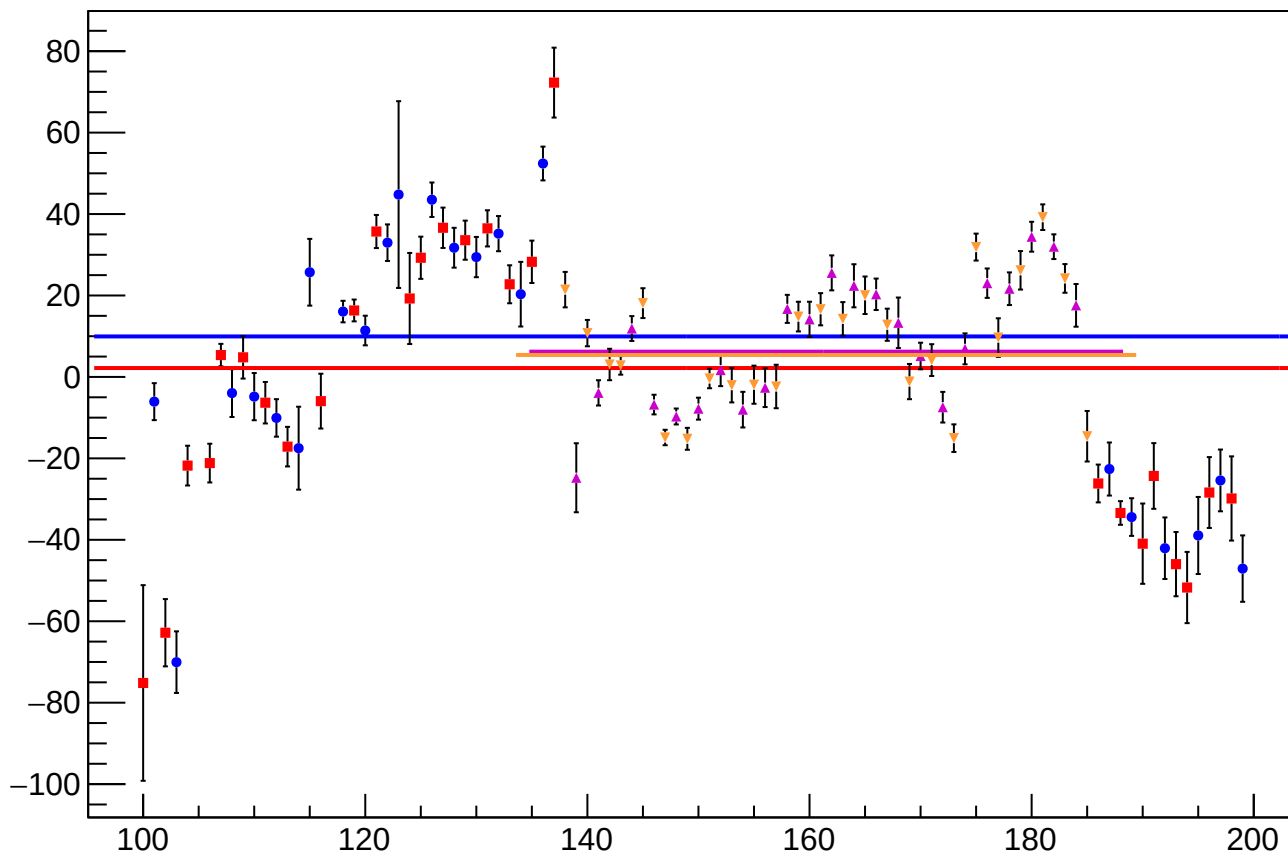
Left In: 190.048 ± 0.953 $\chi^2/\text{NDF}: 2438.4/22$

+ sign 187.037 ± 0.848 $\chi^2/\text{NDF}: 4247.9/30$

All: 196.292 ± 0.589 $\chi^2/\text{NDF}: 10315.5/61$

- sign 204.900 ± 0.818 $\chi^2/\text{NDF}: 5837.8/30$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 9.945 ± 1.076 χ^2/NDF : 701.1/22

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: 2.186 ± 0.957 χ^2/NDF : 844.0/26

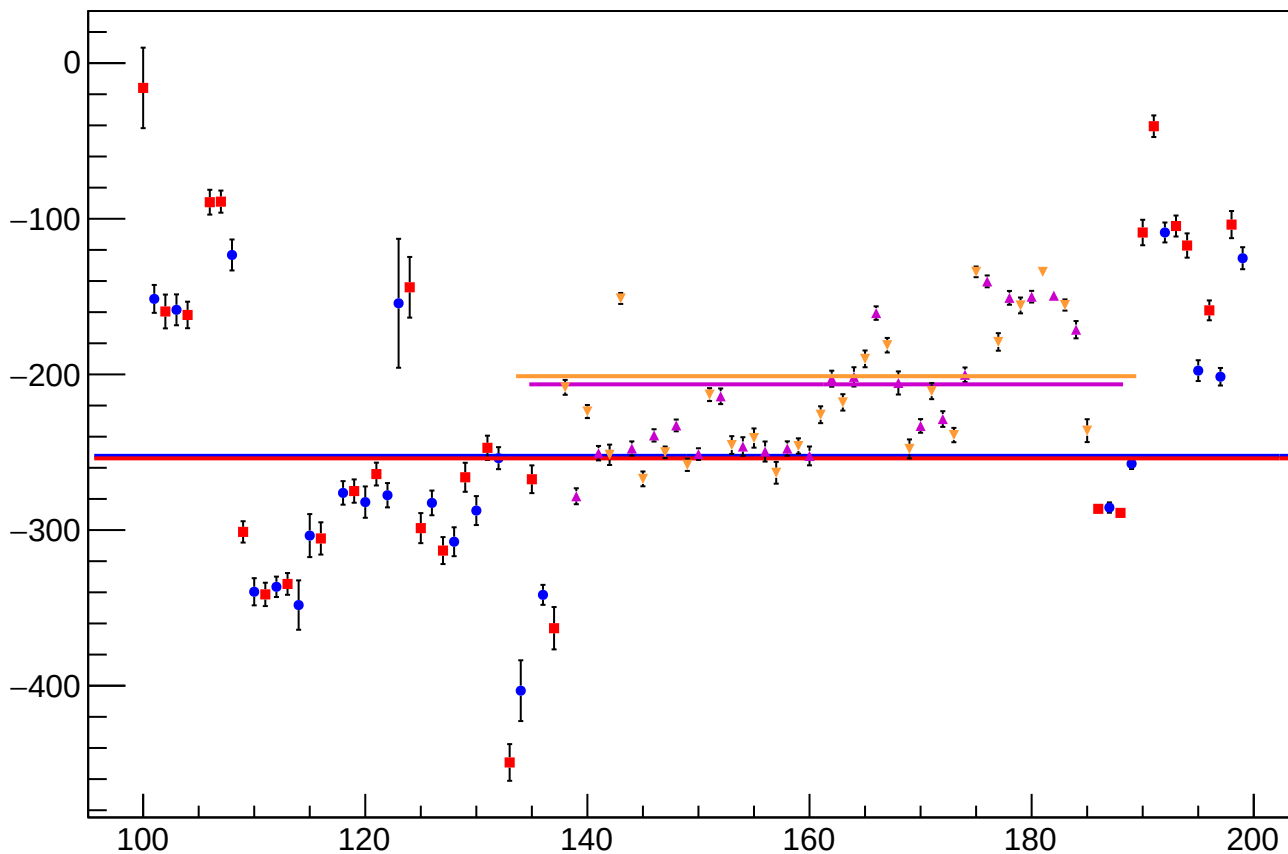
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 6.715 ± 0.580 χ^2/NDF : 1240.3/47

All: 5.722 ± 0.410 χ^2/NDF : 2508.9/97

- sign 4.723 ± 0.581 χ^2/NDF : 1262.7/49

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -252.313 ± 1.439 $\chi^2/\text{NDF}: 2127.4/22$

Left Out: -201.144 ± 0.918 $\chi^2/\text{NDF}: 2488.8/24$

Right Out: -253.941 ± 1.098 $\chi^2/\text{NDF}: 5171.3/26$

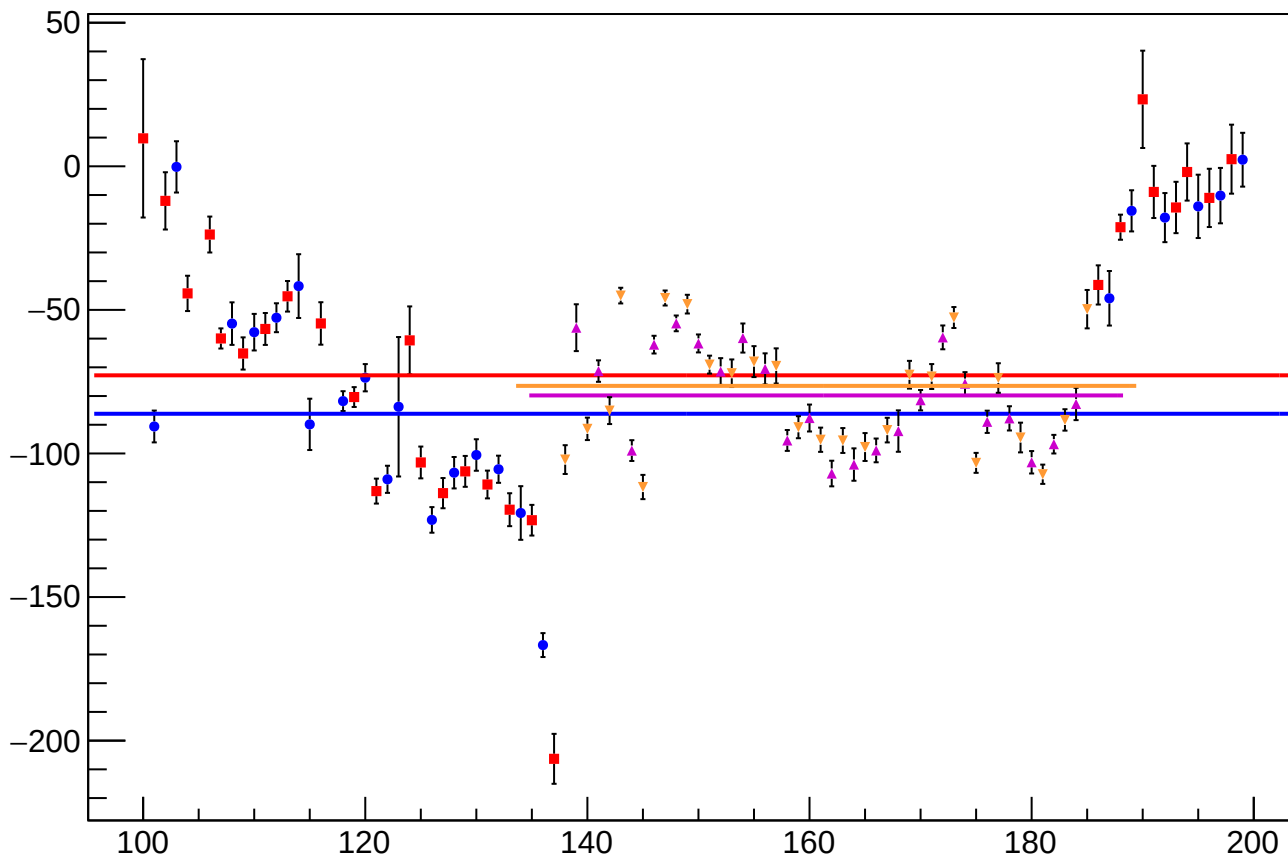
Left In: -206.379 ± 0.950 $\chi^2/\text{NDF}: 2111.6/22$

+ sign -215.943 ± 0.774 $\chi^2/\text{NDF}: 5515.1/47$

All: -221.736 ± 0.526 $\chi^2/\text{NDF}: 13975.6/97$

- sign -226.727 ± 0.718 $\chi^2/\text{NDF}: 8356.2/49$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -86.176 ± 1.261 χ^2/NDF : 1090.6/22

Left Out: -76.460 ± 0.797 χ^2/NDF : 781.3/24

Right Out: -72.790 ± 1.147 χ^2/NDF : 1272.4/26

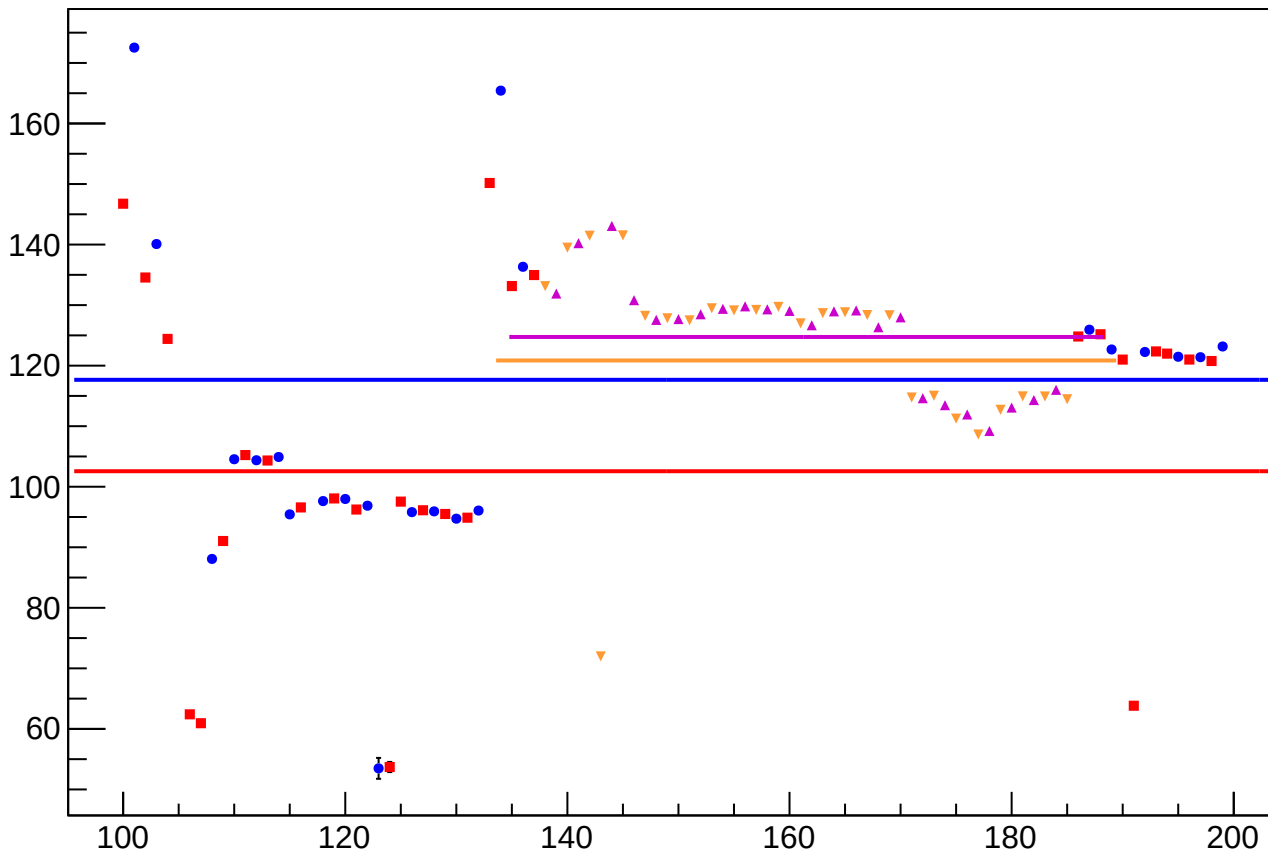
Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

+ sign -79.230 ± 0.674 χ^2/NDF : 1914.3/47

All: -78.296 ± 0.478 χ^2/NDF : 3627.1/97

- sign -77.350 ± 0.678 χ^2/NDF : 1708.9/49

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.661 $\pm$ 0.068 χ^2 /NDF: 107511.2/22

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF:182759.1/24

Right Out: 102.561 $\pm$ 0.058 χ^2 /NDF: 228069.1/26

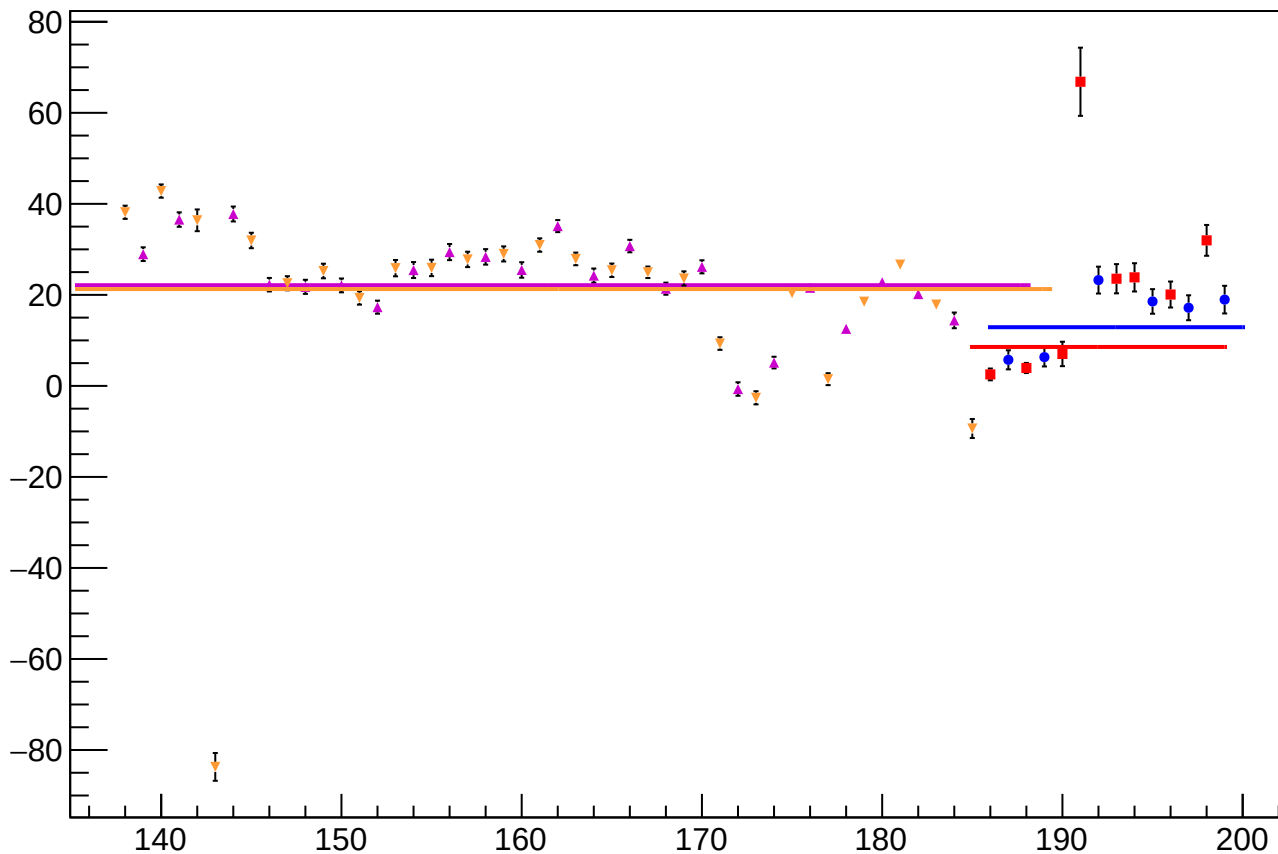
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

+ sign 120.087 $\pm$ 0.033 χ^2 /NDF: 291964.7/47

All: 118.908 $\pm$ 0.023 χ^2 /NDF: 674040.7/97

- sign 117.775 $\pm$ 0.033 χ^2 /NDF: 379598.3/49

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 12.896+/-1.022 χ^2/NDF : 45.0/5

Left Out: 21.282+/-0.282 χ^2/NDF : 2600.5/24

Right Out: 8.556+/-0.713 χ^2/NDF : 209.9/7

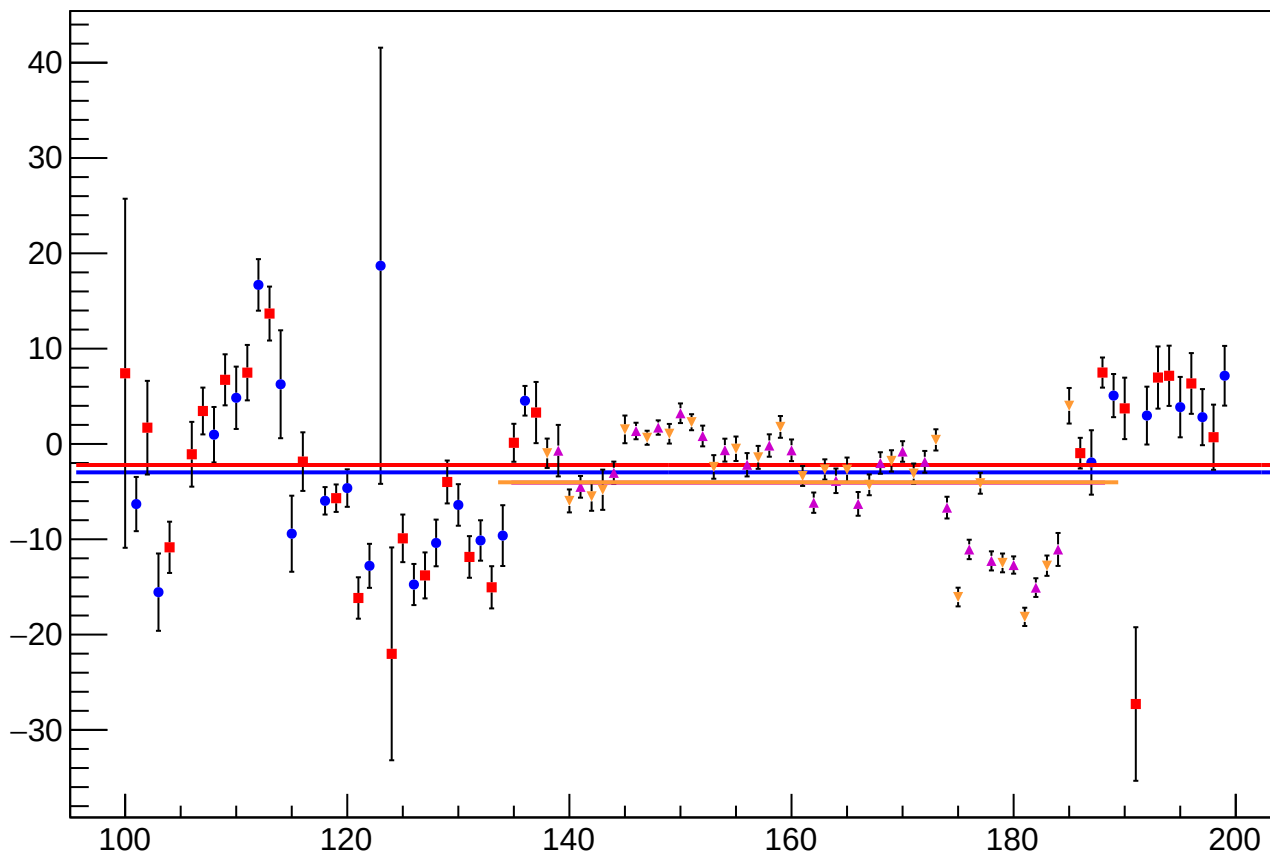
Left In: 22.127+/-0.285 χ^2/NDF : 900.2/22

+ sign 20.686+/-0.272 χ^2/NDF : 2708.1/30

All: 20.462+/-0.190 χ^2/NDF : 4132.2/61

- sign 20.249+/-0.265 χ^2/NDF : 1422.7/30

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -2.979 ± 0.528 $\chi^2/\text{NDF}: 216.6/22$

Left Out: -4.022 ± 0.223 $\chi^2/\text{NDF}: 734.1/24$

Right Out: -2.208 ± 0.488 $\chi^2/\text{NDF}: 287.2/26$

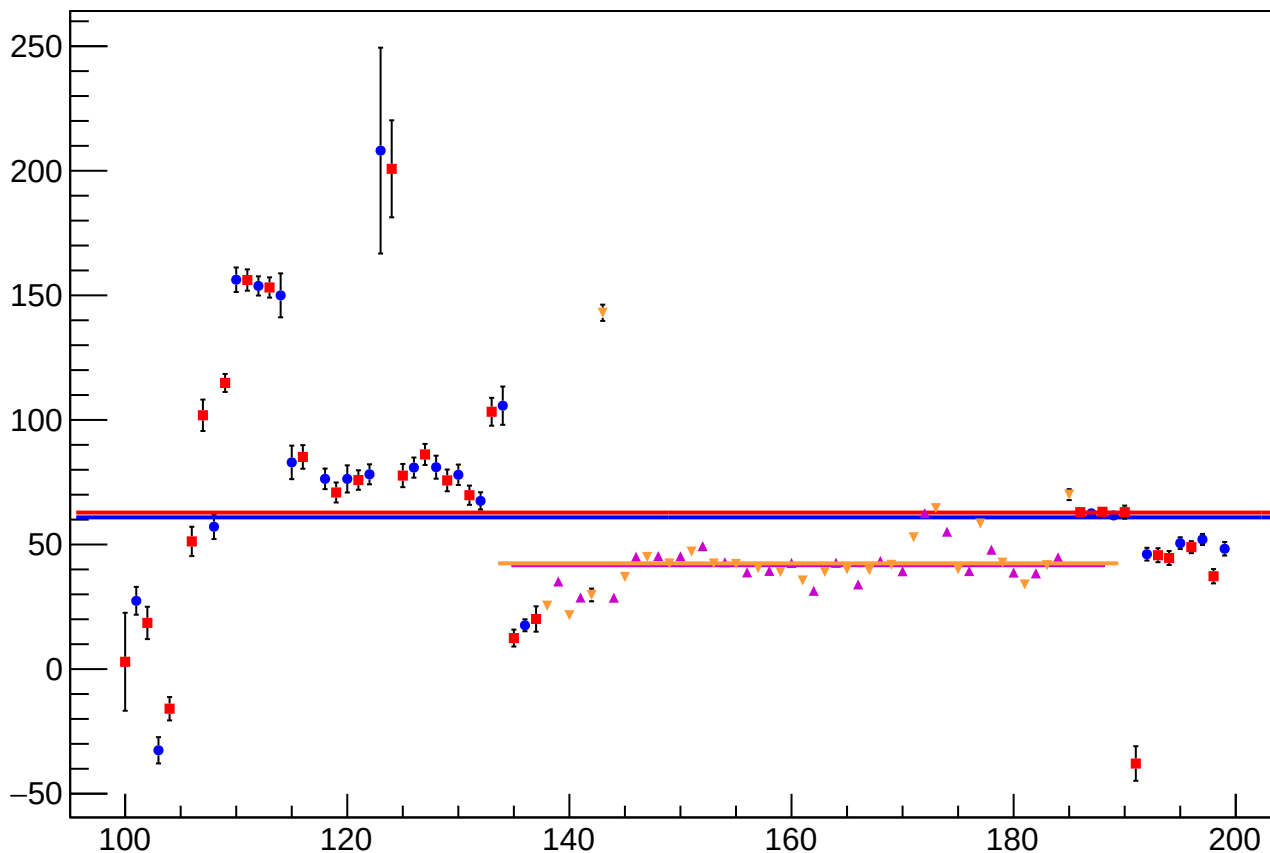
Left In: -4.059 ± 0.228 $\chi^2/\text{NDF}: 577.2/22$

+ sign -3.864 ± 0.206 $\chi^2/\text{NDF}: 954.0/47$

All: -3.796 ± 0.146 $\chi^2/\text{NDF}: 1830.5/97$

- sign -3.727 ± 0.207 $\chi^2/\text{NDF}: 876.3/49$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 60.895 $\pm$ 0.678 χ^2 /NDF: 1989.6/22

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 62.833 $\pm$ 0.516 χ^2 /NDF: 2437.9/26

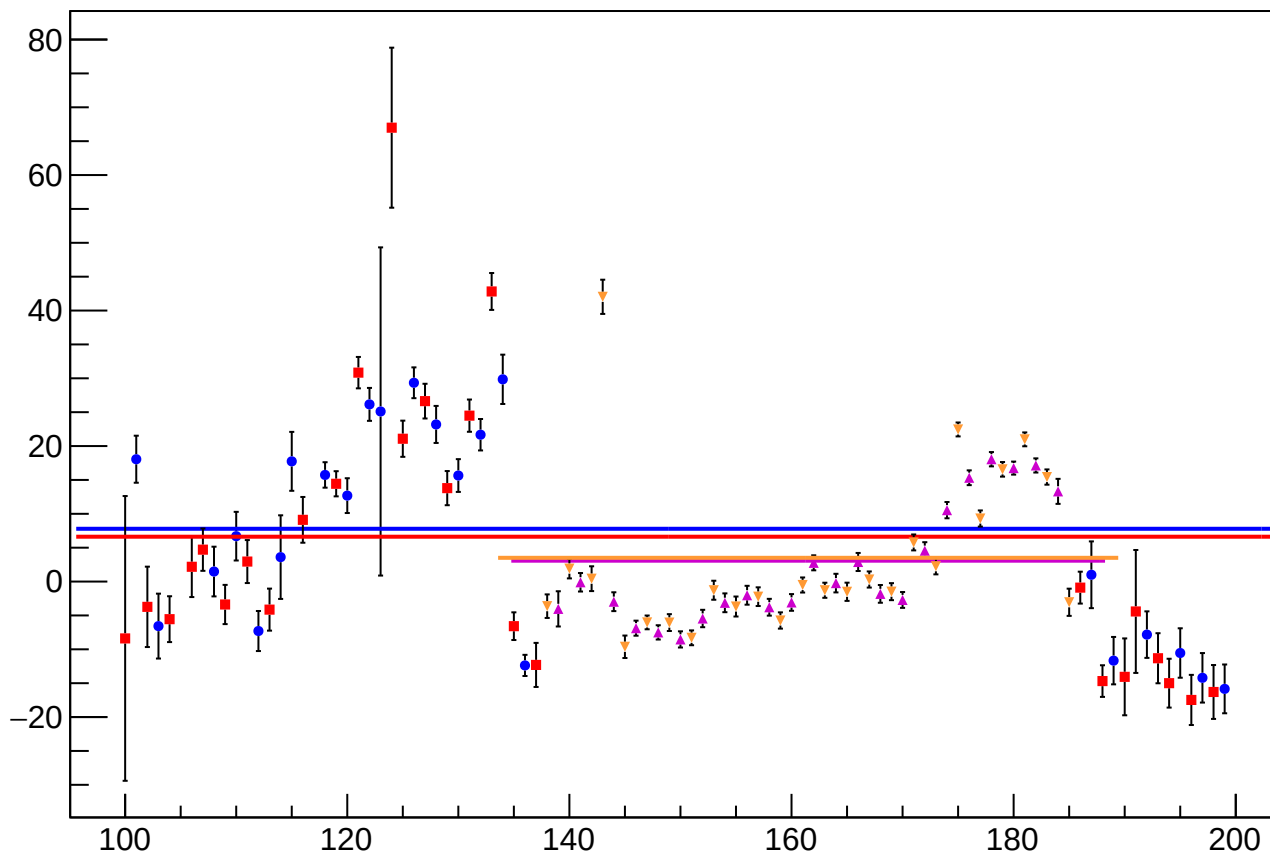
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 45.173 $\pm$ 0.260 χ^2 /NDF: 4636.9/47

All: 45.922 $\pm$ 0.180 χ^2 /NDF: 9007.0/97

- sign 46.607 $\pm$ 0.249 χ^2 /NDF: 4354.3/49

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 7.791 ± 0.611 χ^2/NDF : 661.2/22

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 6.621 ± 0.582 χ^2/NDF : 847.4/26

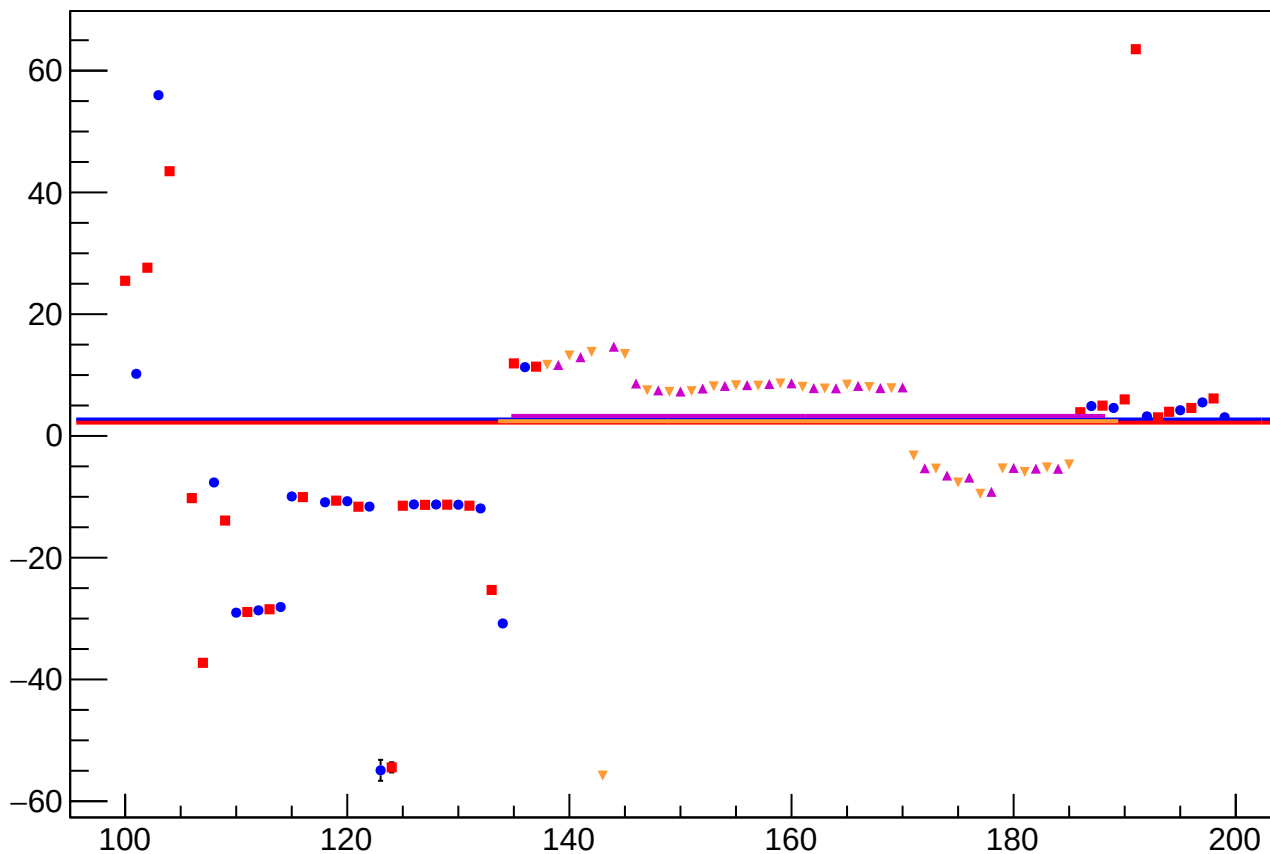
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 4.130 ± 0.233 χ^2/NDF : 2394.6/47

All: 3.897 ± 0.166 χ^2/NDF : 4540.8/97

- sign 3.659 ± 0.235 χ^2/NDF : 2144.1/49

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 2.700 $\pm$ 0.030 χ^2 /NDF: 359200.5/22

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 2.187 $\pm$ 0.029 χ^2 /NDF: 430715.9/26

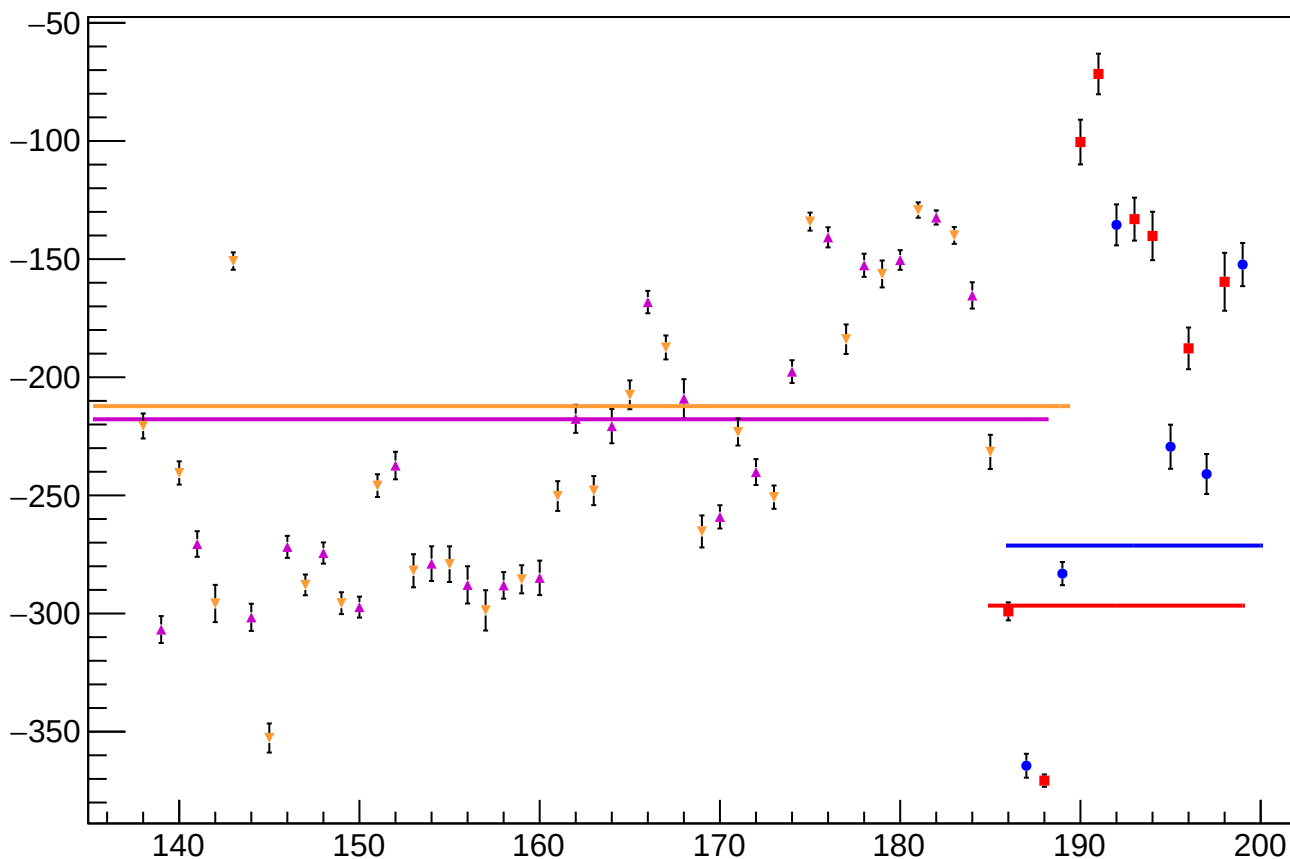
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.461 $\pm$ 0.011 χ^2 /NDF: 975656.0/47

All: 2.799 $\pm$ 0.008 χ^2 /NDF: 1813919.9/97

- sign 3.138 $\pm$ 0.011 χ^2 /NDF: 836298.6/49

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -271.238 ± 2.759 $\chi^2/\text{NDF}: 792.0/5$

Left Out: -212.231 ± 1.029 $\chi^2/\text{NDF}: 3875.4/24$

Right Out: -296.653 ± 1.885 $\chi^2/\text{NDF}: 2754.8/7$

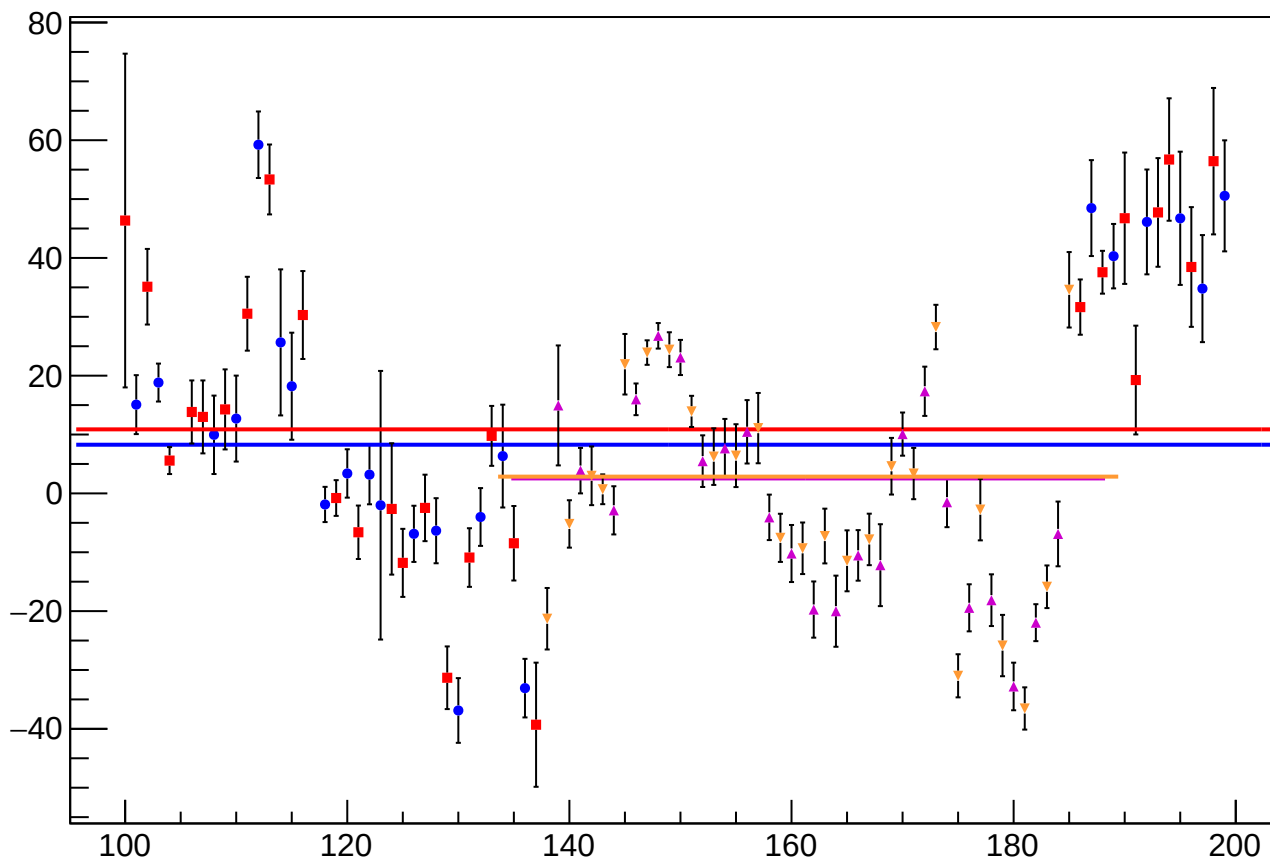
Left In: -217.779 ± 1.067 $\chi^2/\text{NDF}: 3448.9/22$

+ sign -219.442 ± 0.964 $\chi^2/\text{NDF}: 5068.9/30$

All: -228.505 ± 0.669 $\chi^2/\text{NDF}: 12768.4/61$

- sign -236.906 ± 0.928 $\chi^2/\text{NDF}: 7529.3/30$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 8.269 ± 1.165 $\chi^2/\text{NDF}: 388.3/22$

Left Out: 2.848 ± 0.775 $\chi^2/\text{NDF}: 582.1/24$

Right Out: 10.878 ± 1.041 $\chi^2/\text{NDF}: 396.3/26$

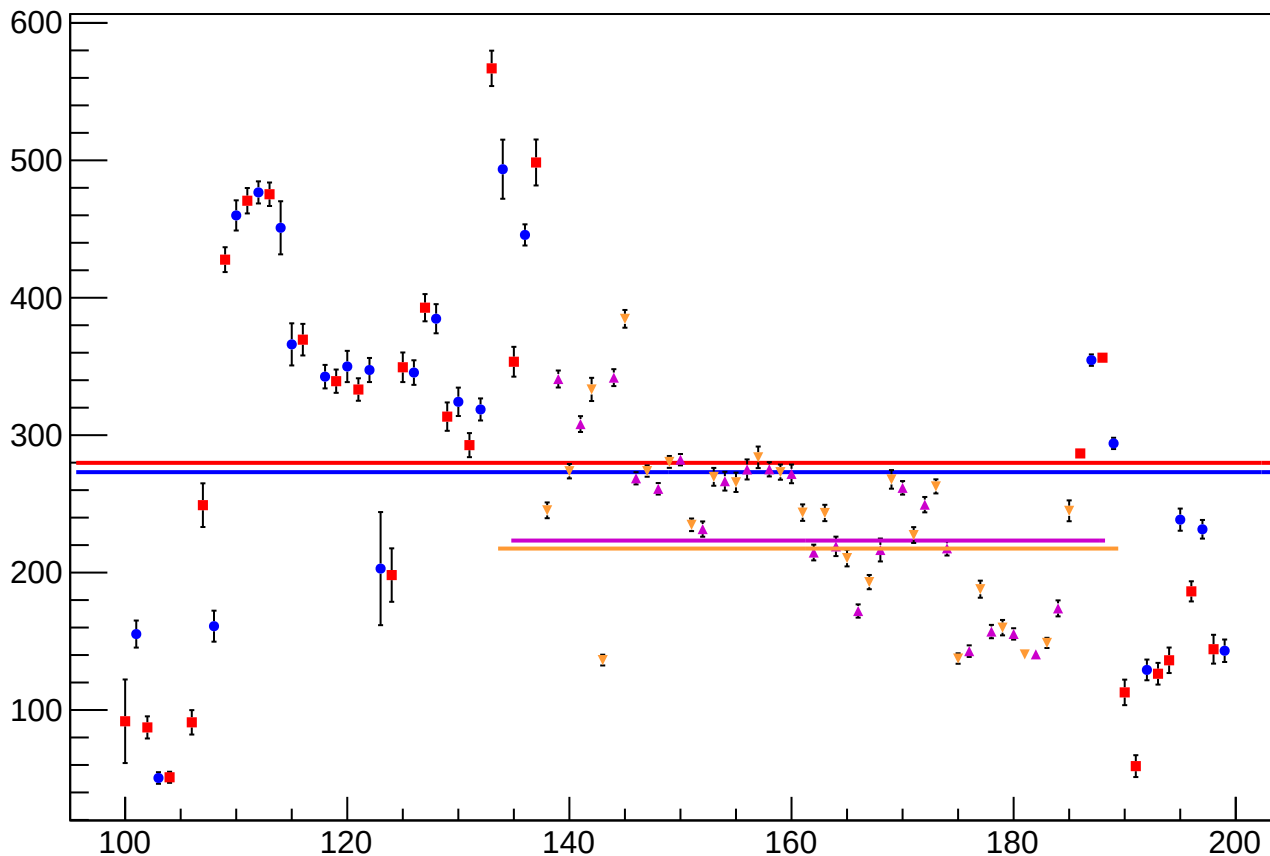
Left In: 2.540 ± 0.822 $\chi^2/\text{NDF}: 473.6/22$

+ sign 4.509 ± 0.645 $\chi^2/\text{NDF}: 985.4/47$

All: 5.127 ± 0.456 $\chi^2/\text{NDF}: 1896.7/97$

- sign 5.745 ± 0.645 $\chi^2/\text{NDF}: 909.4/49$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.089 $\pm$ 1.598 χ^2 /NDF: 6175.1/22

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 279.857 $\pm$ 1.242 χ^2 /NDF: 9940.5/26

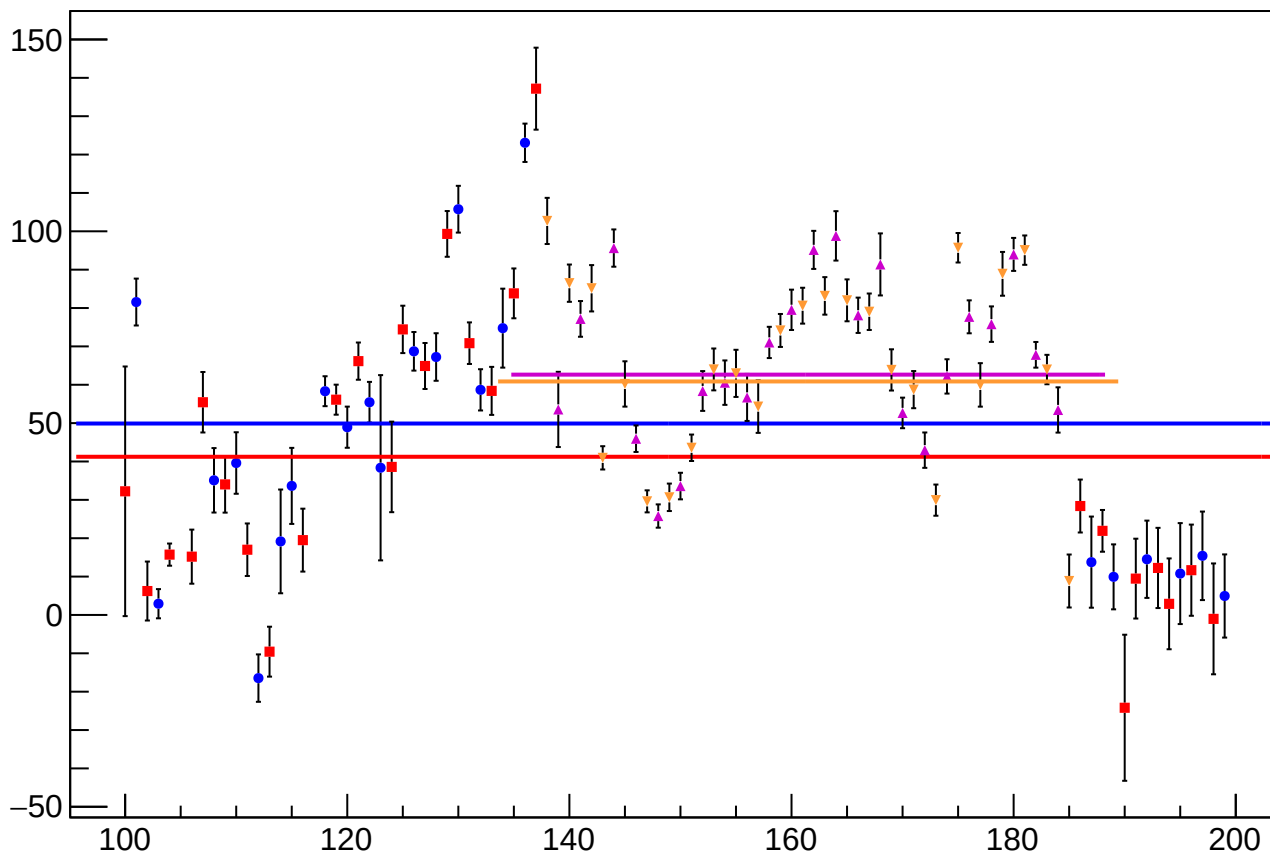
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 233.864 $\pm$ 0.867 χ^2 /NDF: 10799.2/47

All: 241.002 $\pm$ 0.591 χ^2 /NDF: 25441.7/97

- sign 247.188 $\pm$ 0.807 χ^2 /NDF: 14516.0/49

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 49.897 ± 1.368 χ^2/NDF : 720.7/22

Left Out: 60.863 ± 0.897 χ^2/NDF : 731.6/24

Right Out: 41.232 ± 1.254 χ^2/NDF : 608.5/26

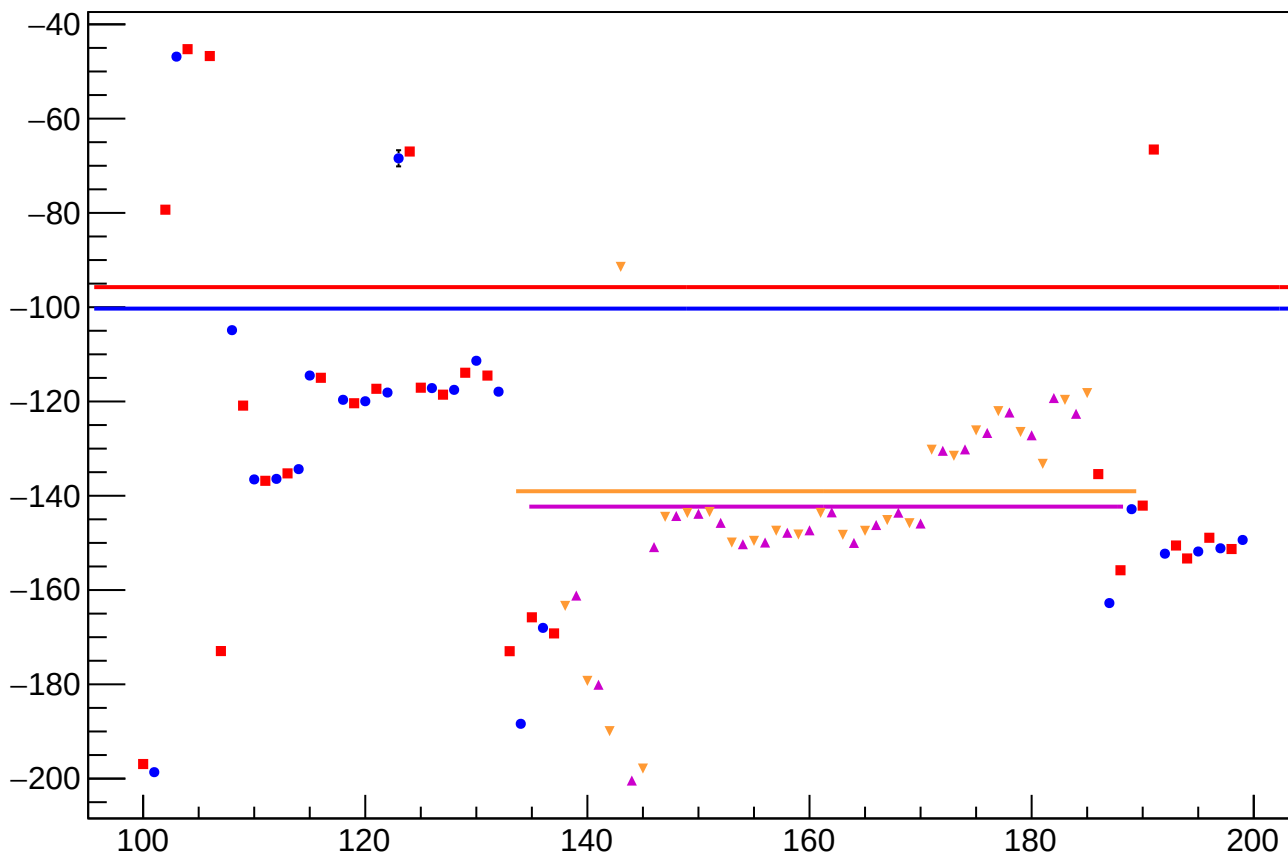
Left In: 62.640 ± 0.943 χ^2/NDF : 515.4/22

+ sign 57.567 ± 0.750 χ^2/NDF : 1497.3/47

All: 56.243 ± 0.532 χ^2/NDF : 2813.7/97

- sign 54.907 ± 0.753 χ^2/NDF : 1310.2/49

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -100.299 ± 0.062 χ^2/NDF : 656539.6/22

Left Out: -139.040 ± 0.043 χ^2/NDF : 258113.4/24

Right Out: -95.743 ± 0.058 χ^2/NDF : 679369.6/26

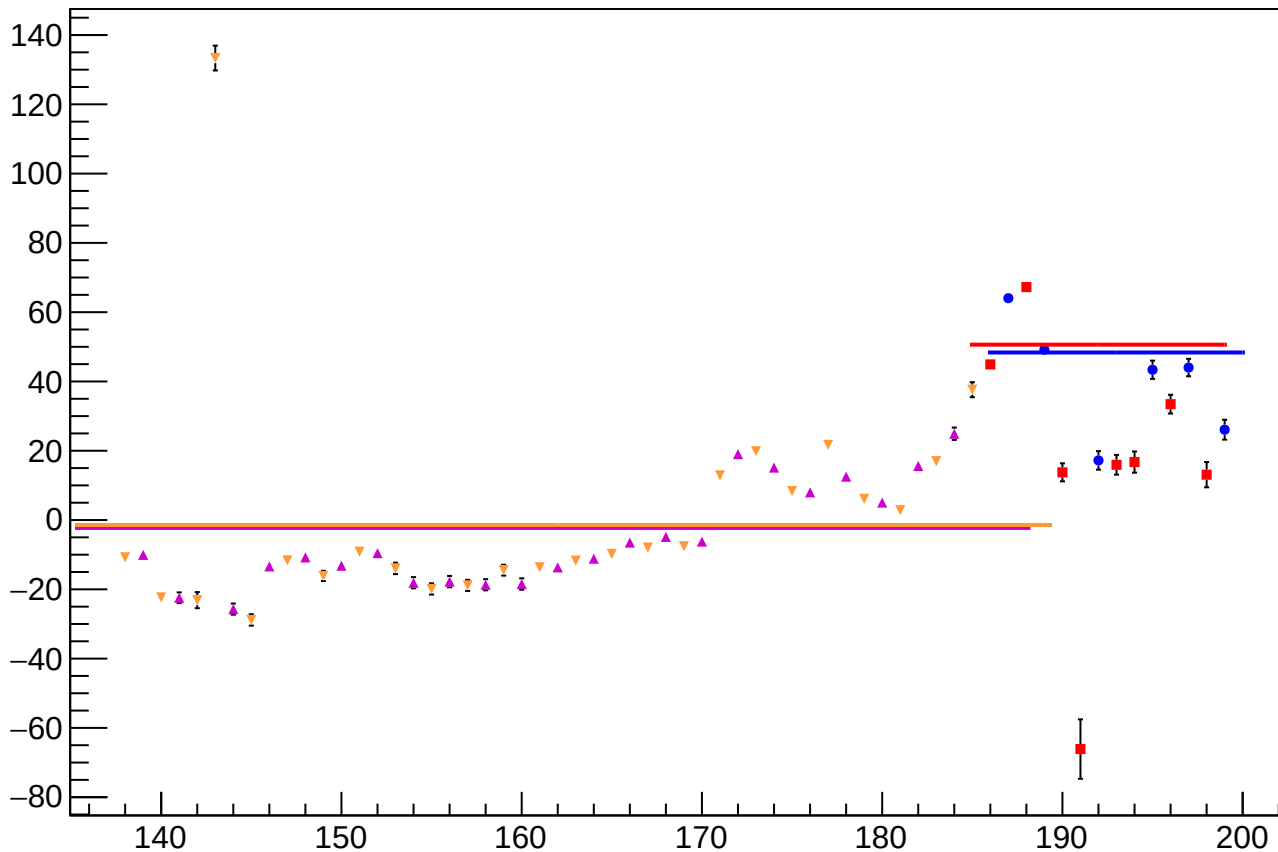
Left In: -142.305 ± 0.044 χ^2/NDF : 143351.8/22

+ sign -126.560 ± 0.035 χ^2/NDF : 1177728.2/47

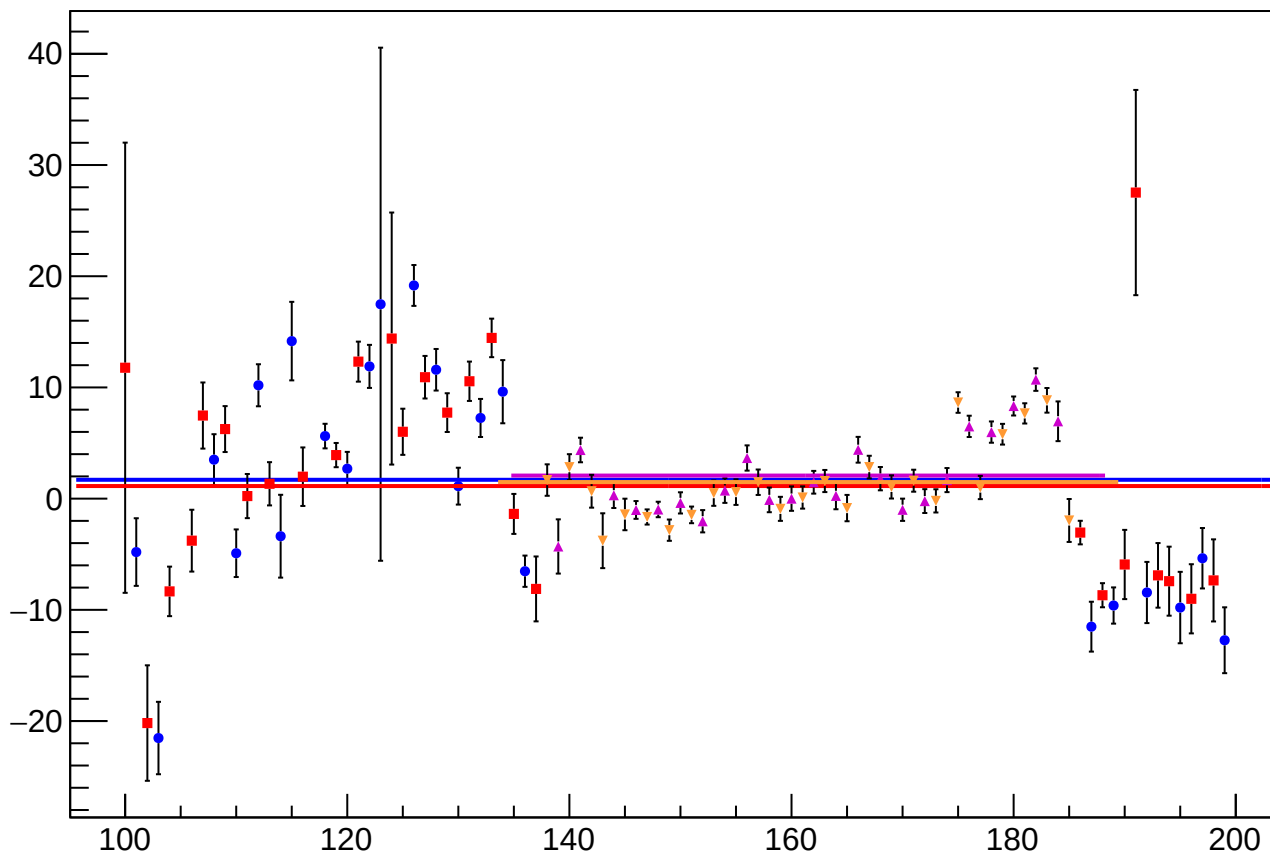
All: -125.890 ± 0.025 χ^2/NDF : 2410425.7/97

- sign -125.228 ± 0.035 χ^2/NDF : 1231980.8/49

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 1.695 ± 0.425 χ^2/NDF : 452.3/22

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: 1.132 ± 0.386 χ^2/NDF : 383.6/26

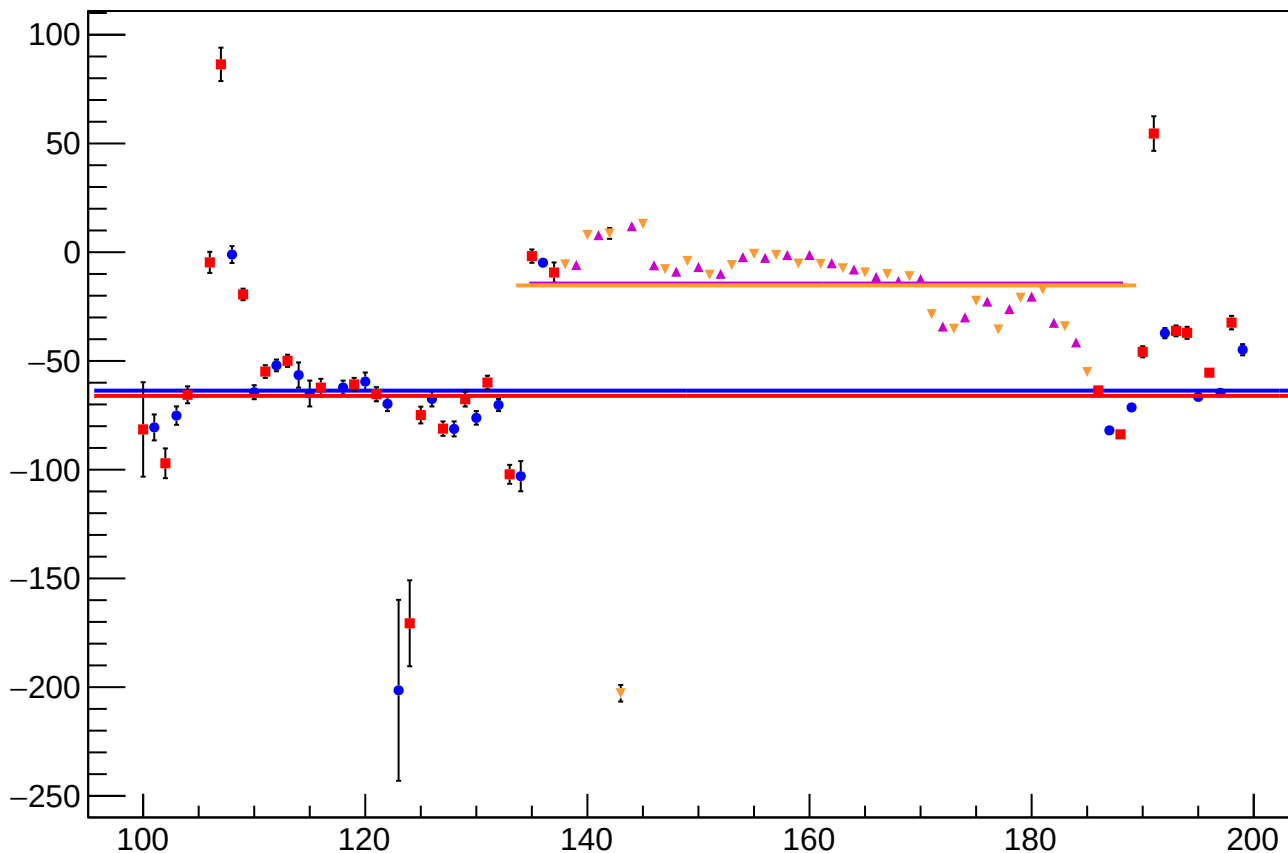
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.531 ± 0.189 χ^2/NDF : 711.6/47

All: 1.691 ± 0.133 χ^2/NDF : 1375.7/97

- sign 1.851 ± 0.188 χ^2/NDF : 662.7/49

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -63.647 ± 0.532 χ^2/NDF : 1608.2/22

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -66.053 ± 0.384 χ^2/NDF : 3157.1/26

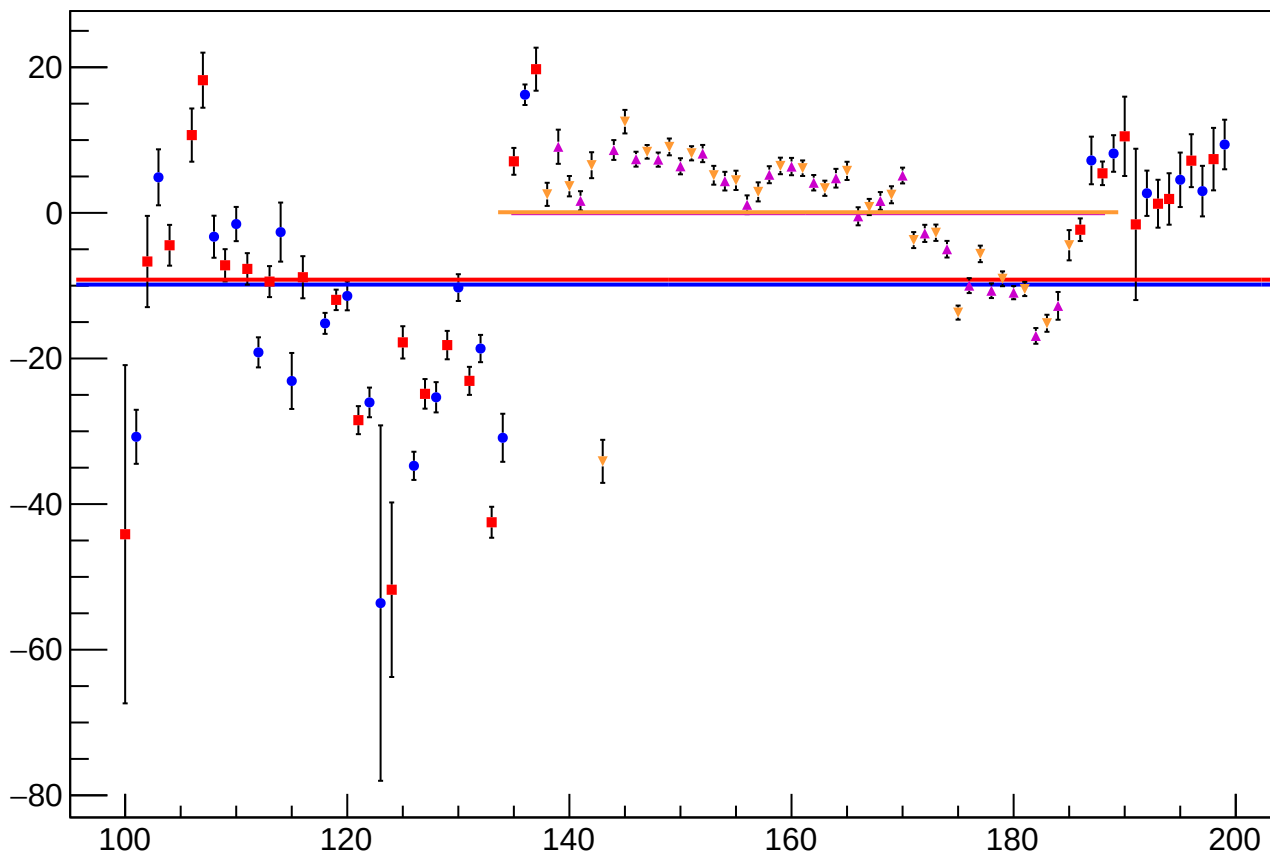
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -25.009 ± 0.238 χ^2/NDF : 13040.0/47

All: -28.470 ± 0.162 χ^2/NDF : 30758.0/97

- sign -31.426 ± 0.220 χ^2/NDF : 17327.5/49

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -9.848 ± 0.497 χ^2/NDF : 961.0/22

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -9.174 ± 0.467 χ^2/NDF : 941.2/26

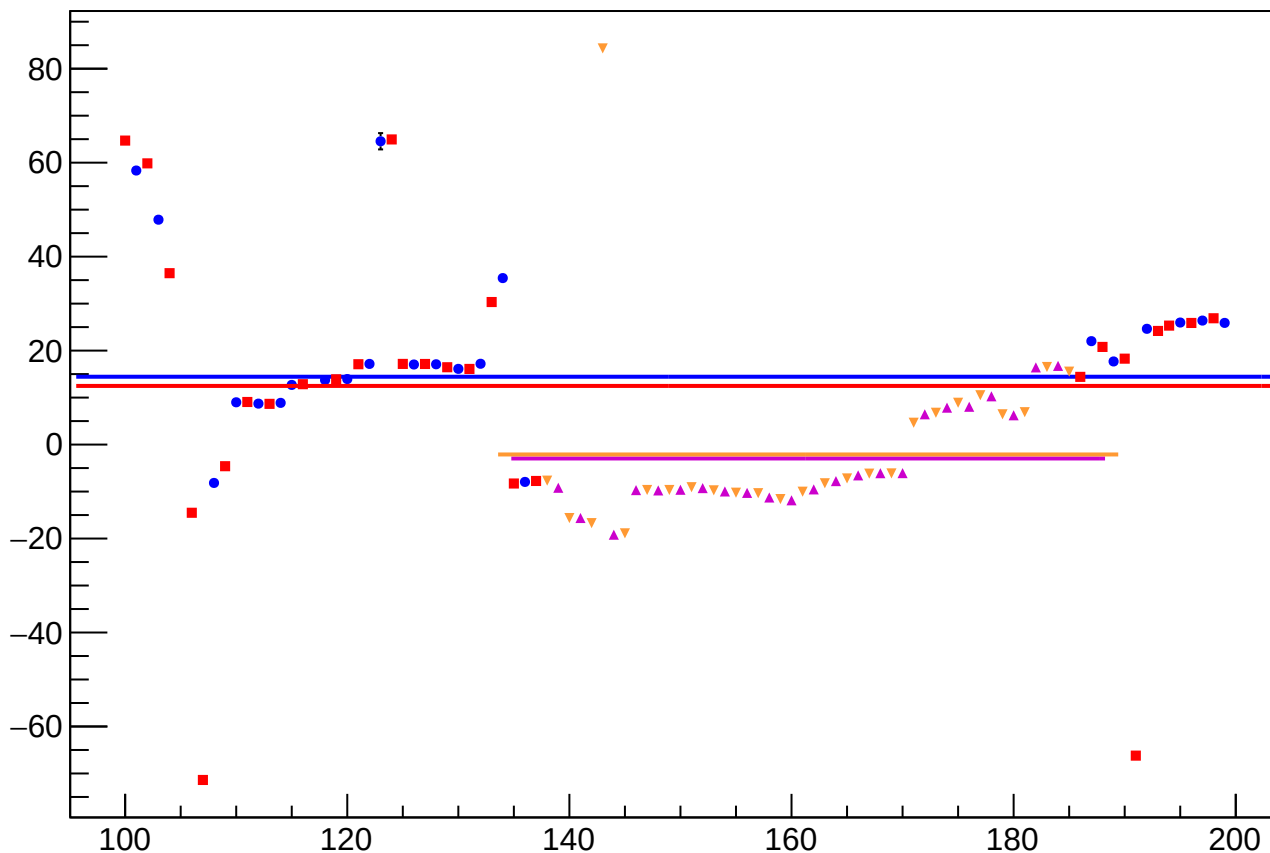
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.772 ± 0.215 χ^2/NDF : 2458.7/47

All: -1.881 ± 0.152 χ^2/NDF : 4729.5/97

- sign -1.991 ± 0.216 χ^2/NDF : 2270.3/49

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 14.440 $\pm$ 0.026 χ^2 /NDF: 445260.9/22

Left Out: -2.105 $\pm$ 0.011 χ^2 /NDF: 1093120.2/24

Right Out: 12.483 $\pm$ 0.025 χ^2 /NDF: 709085.8/26

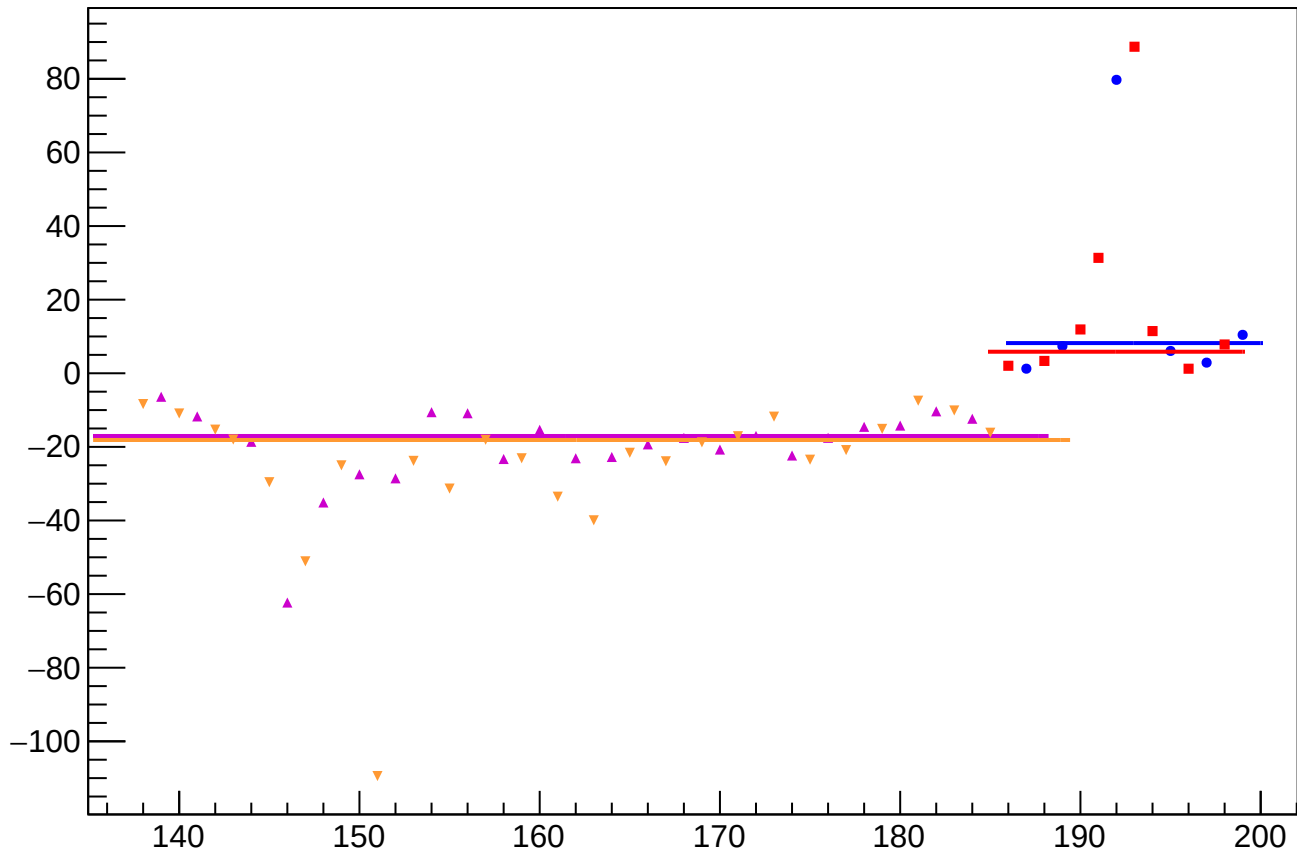
Left In: -2.959 $\pm$ 0.011 χ^2 /NDF: 763000.9/22

+ sign 0.418 $\pm$ 0.010 χ^2 /NDF: 1888335.2/47

All: -0.008 $\pm$ 0.007 χ^2 /NDF: 3686058.0/97

- sign -0.435 $\pm$ 0.010 χ^2 /NDF: 1794125.7/49

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 8.204 ± 0.090 $\chi^2/\text{NDF}: 24424.1/5$

Left Out: -18.128 ± 0.039 $\chi^2/\text{NDF}: 88551.6/24$

Right Out: 5.855 ± 0.074 $\chi^2/\text{NDF}: 24915.1/7$

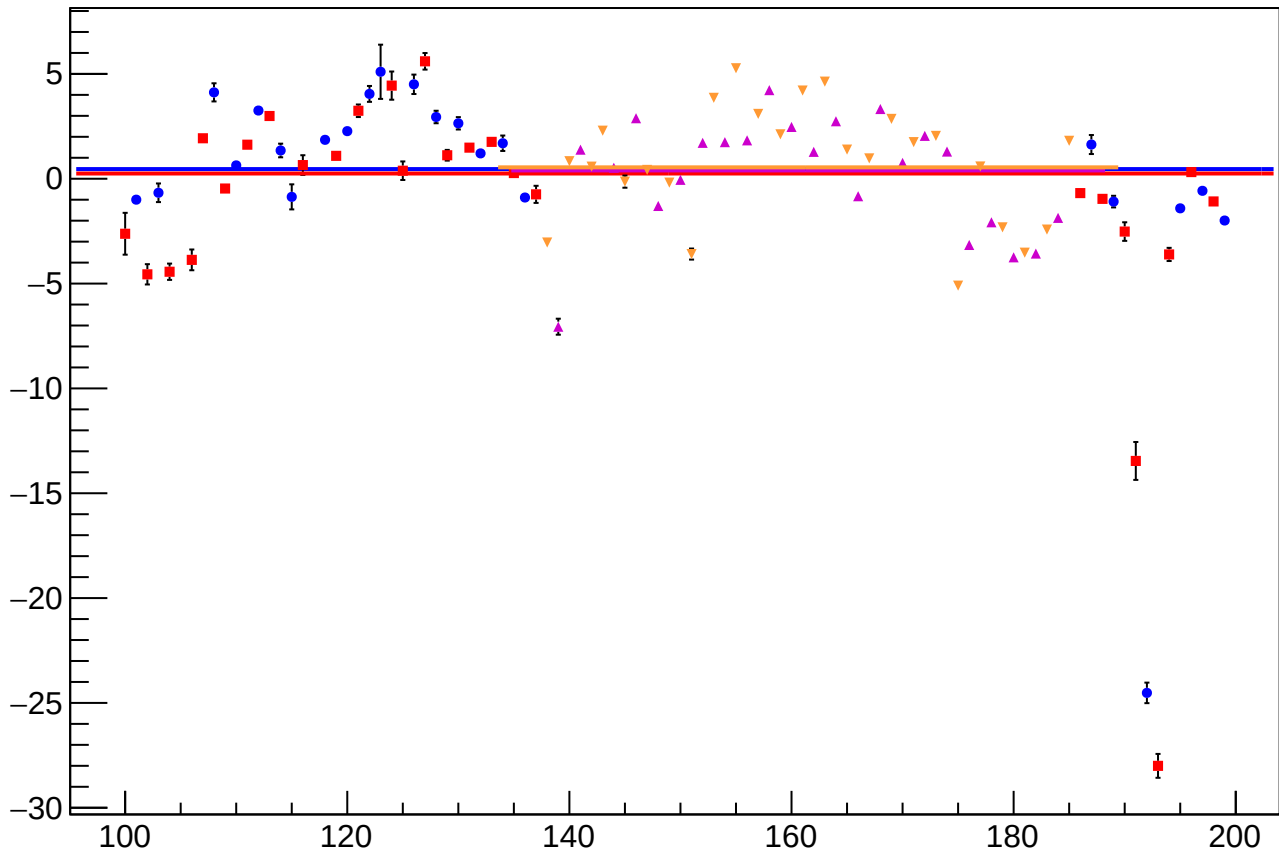
Left In: -17.038 ± 0.038 $\chi^2/\text{NDF}: 44141.1/22$

+ sign -13.950 ± 0.036 $\chi^2/\text{NDF}: 185621.0/30$

All: -13.065 ± 0.025 $\chi^2/\text{NDF}: 330927.9/61$

- sign -12.264 ± 0.034 $\chi^2/\text{NDF}: 144135.3/30$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.461 ± 0.053 χ^2/NDF : 3749.5/22

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.250 ± 0.049 χ^2/NDF : 4131.2/26

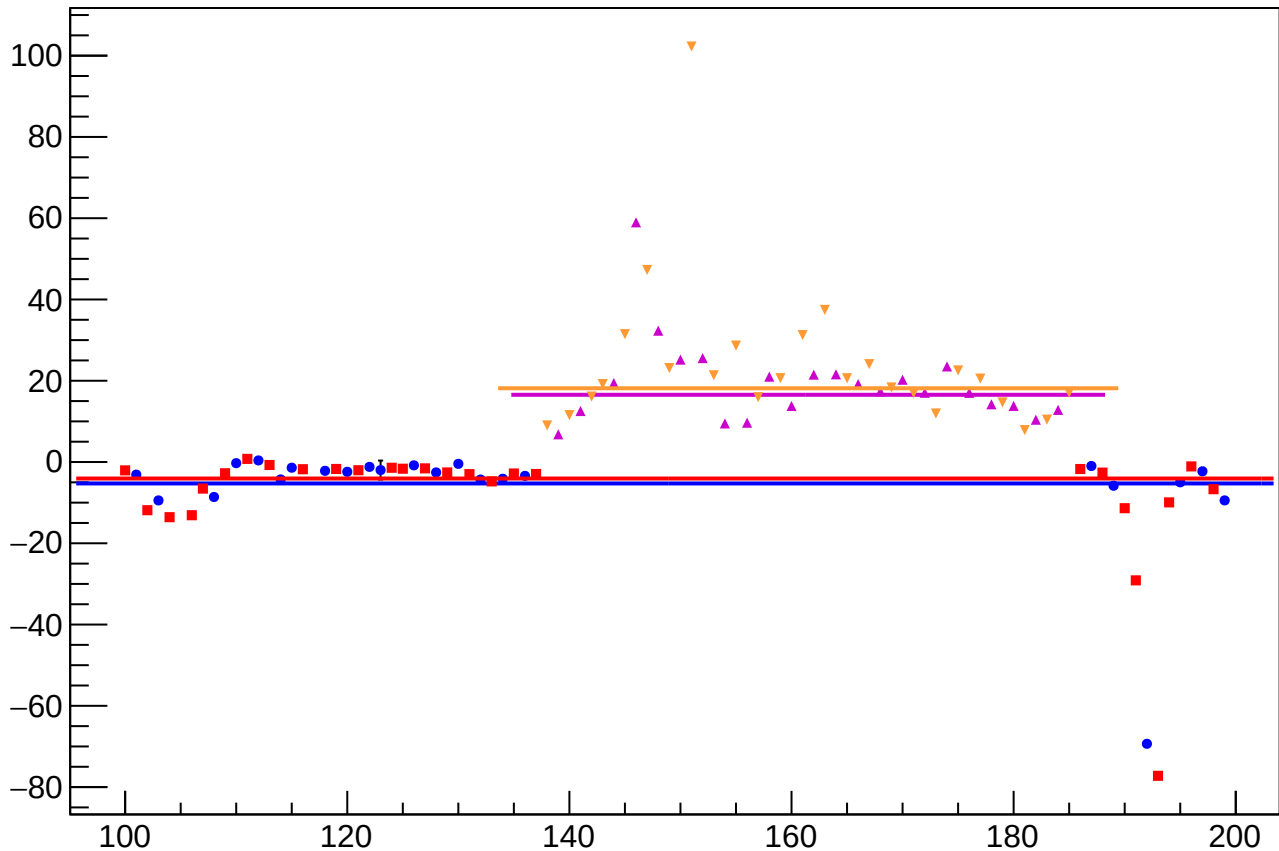
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.521 ± 0.028 χ^2/NDF : 10836.5/47

All: 0.433 ± 0.019 χ^2/NDF : 21228.8/97

- sign 0.356 ± 0.026 χ^2/NDF : 10373.3/49

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.273 ± 0.063 χ^2/NDF : 26386.0/22

Left Out: 18.150 ± 0.039 χ^2/NDF : 77847.8/24

Right Out: -4.061 ± 0.052 χ^2/NDF : 26516.1/26

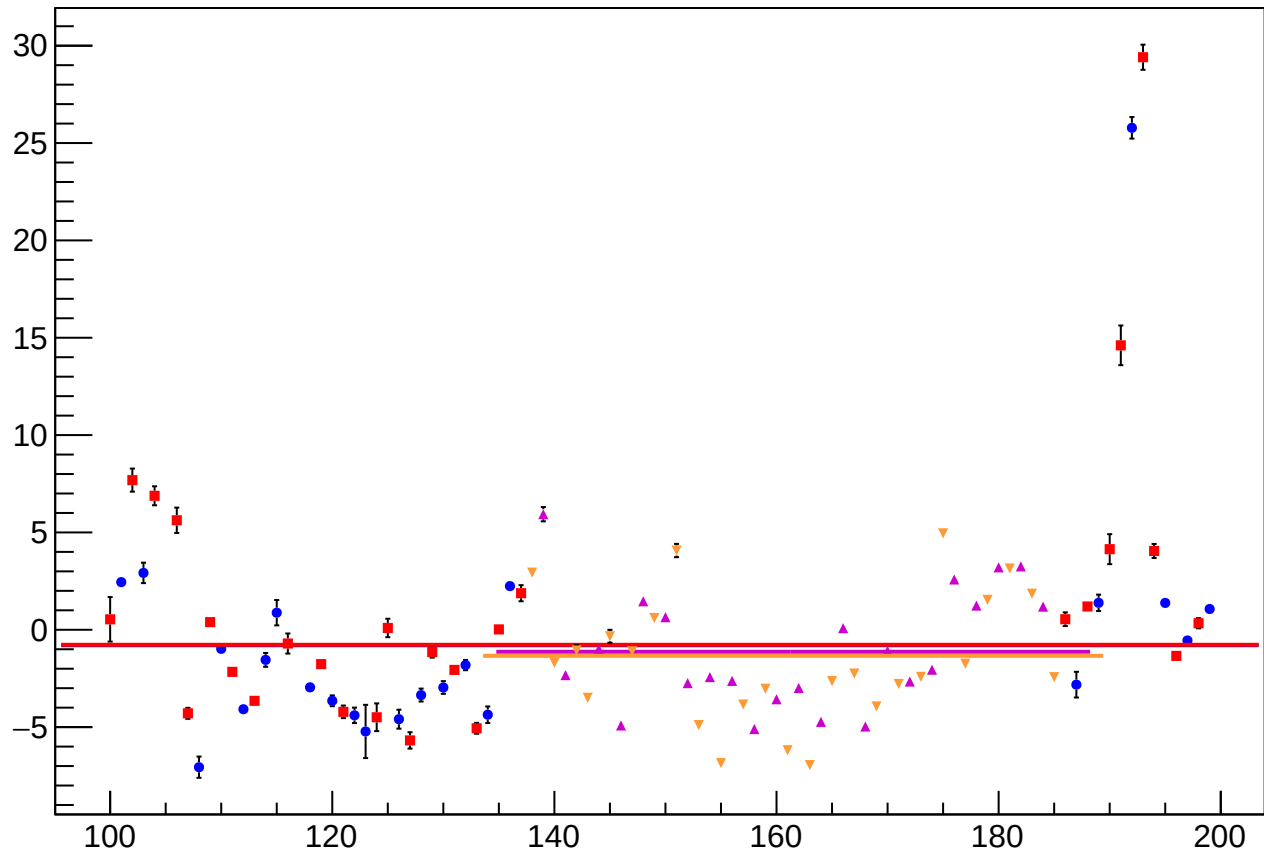
Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

+ sign 11.579 ± 0.033 χ^2/NDF : 204944.7/47

All: 10.433 ± 0.022 χ^2/NDF : 376895.4/97

- sign 9.459 ± 0.031 χ^2/NDF : 169743.5/49

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.792 ± 0.062 χ^2/NDF : 3876.9/22

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.771 ± 0.058 χ^2/NDF : 4387.0/26

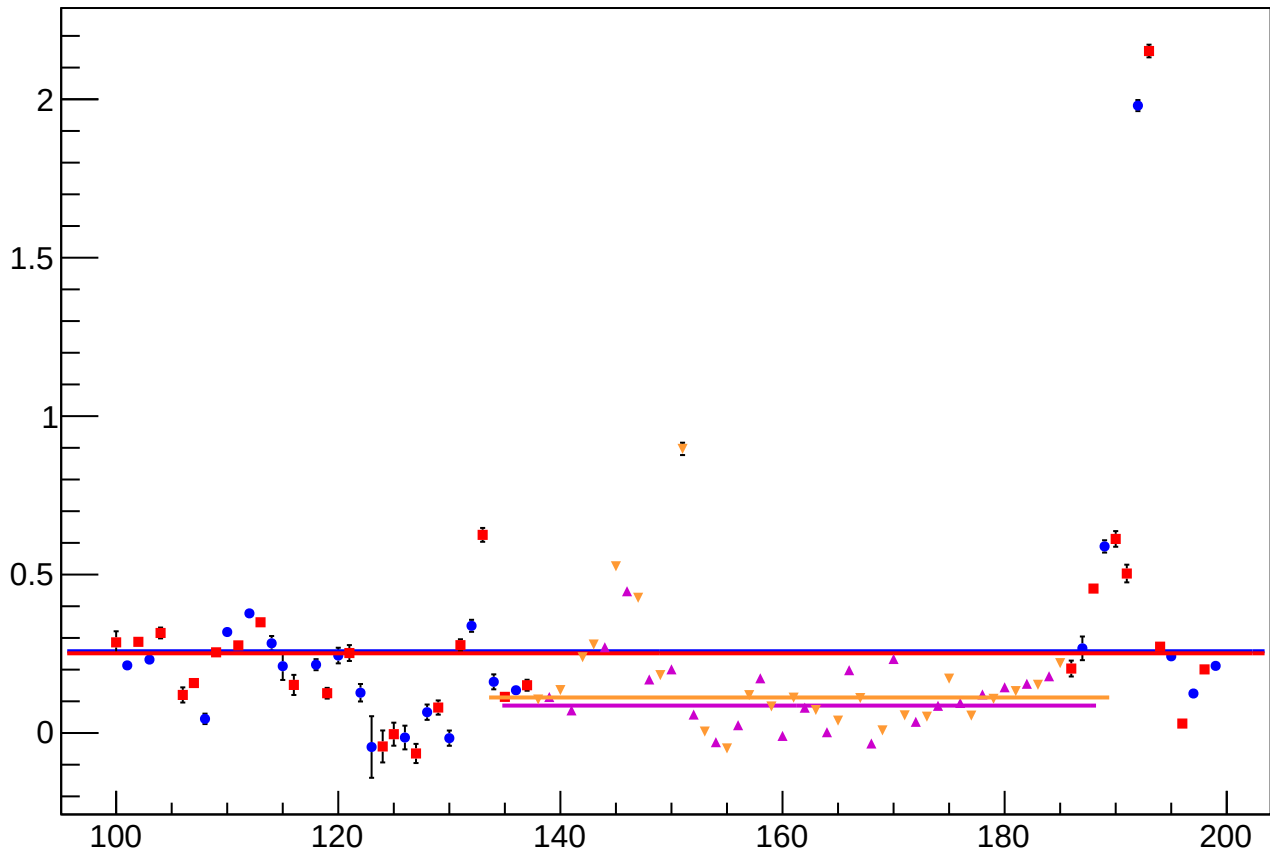
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.200 ± 0.031 χ^2/NDF : 11878.1/47

All: -1.114 ± 0.021 χ^2/NDF : 23048.8/97

- sign -1.036 ± 0.029 χ^2/NDF : 11155.9/49

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.258 ± 0.003 $\chi^2/\text{NDF}: 11124.3/22$

Left Out: 0.112 ± 0.002 $\chi^2/\text{NDF}: 4503.9/24$

Right Out: 0.251 ± 0.003 $\chi^2/\text{NDF}: 11580.0/26$

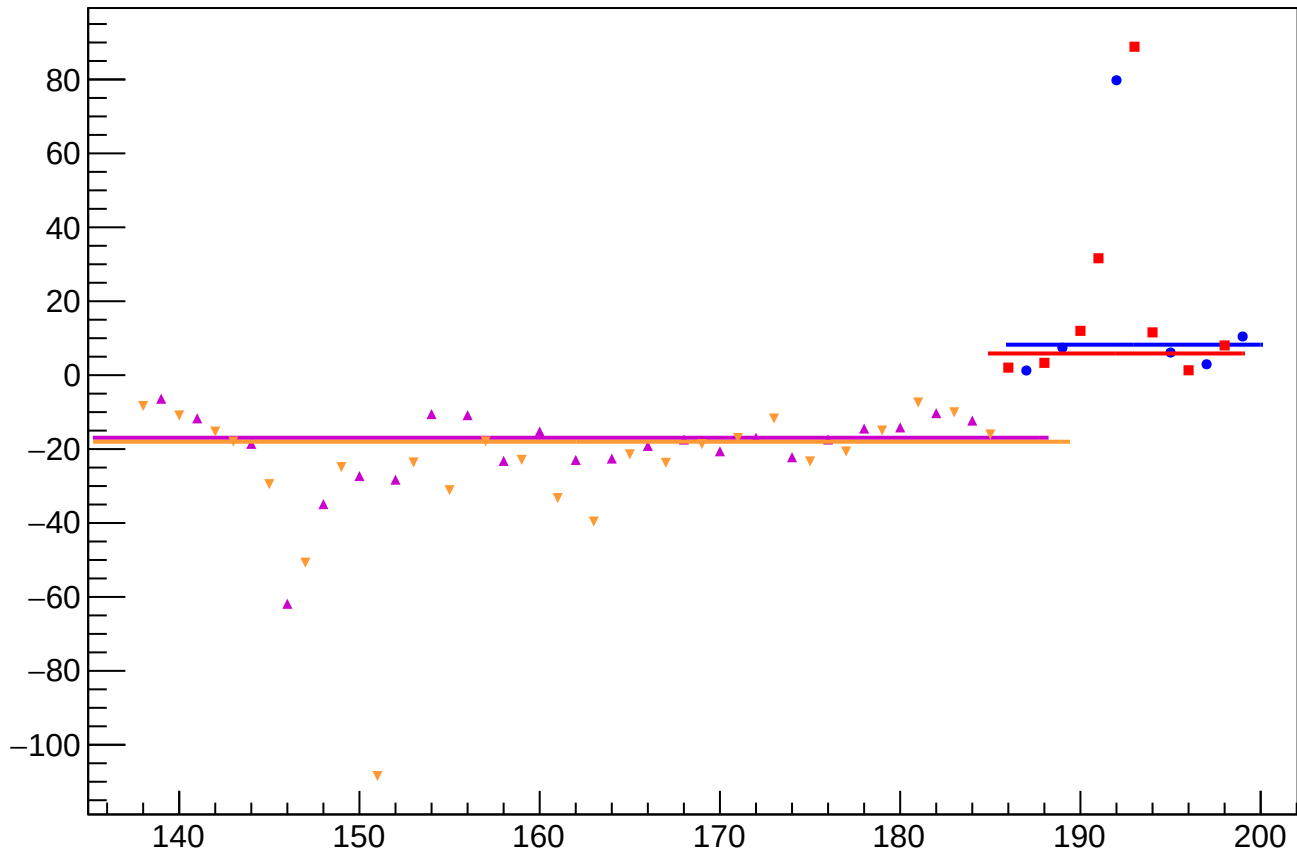
Left In: 0.087 ± 0.002 $\chi^2/\text{NDF}: 3655.4/22$

+ sign 0.146 ± 0.001 $\chi^2/\text{NDF}: 17572.3/47$

All: 0.134 ± 0.001 $\chi^2/\text{NDF}: 35663.2/97$

- sign 0.124 ± 0.001 $\chi^2/\text{NDF}: 17951.9/49$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 8.243 ± 0.089 χ^2/NDF : 24608.7/5

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 5.869 ± 0.074 χ^2/NDF : 25266.0/7

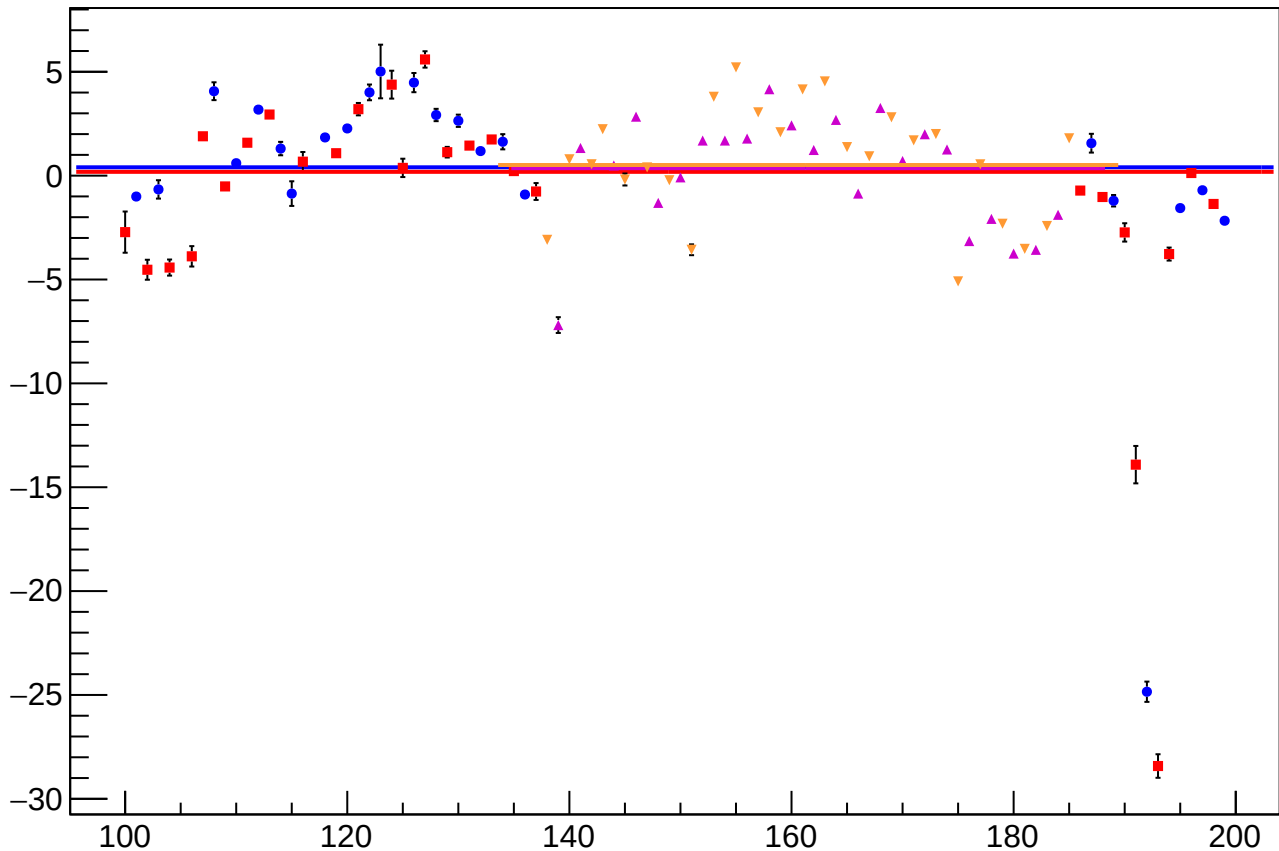
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -13.857 ± 0.035 χ^2/NDF : 185906.5/30

All: -12.966 ± 0.024 χ^2/NDF : 332198.1/61

- sign -12.161 ± 0.034 χ^2/NDF : 145088.7/30

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.402 ± 0.053 χ^2/NDF : 3871.1/22

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.184 ± 0.049 χ^2/NDF : 4282.1/26

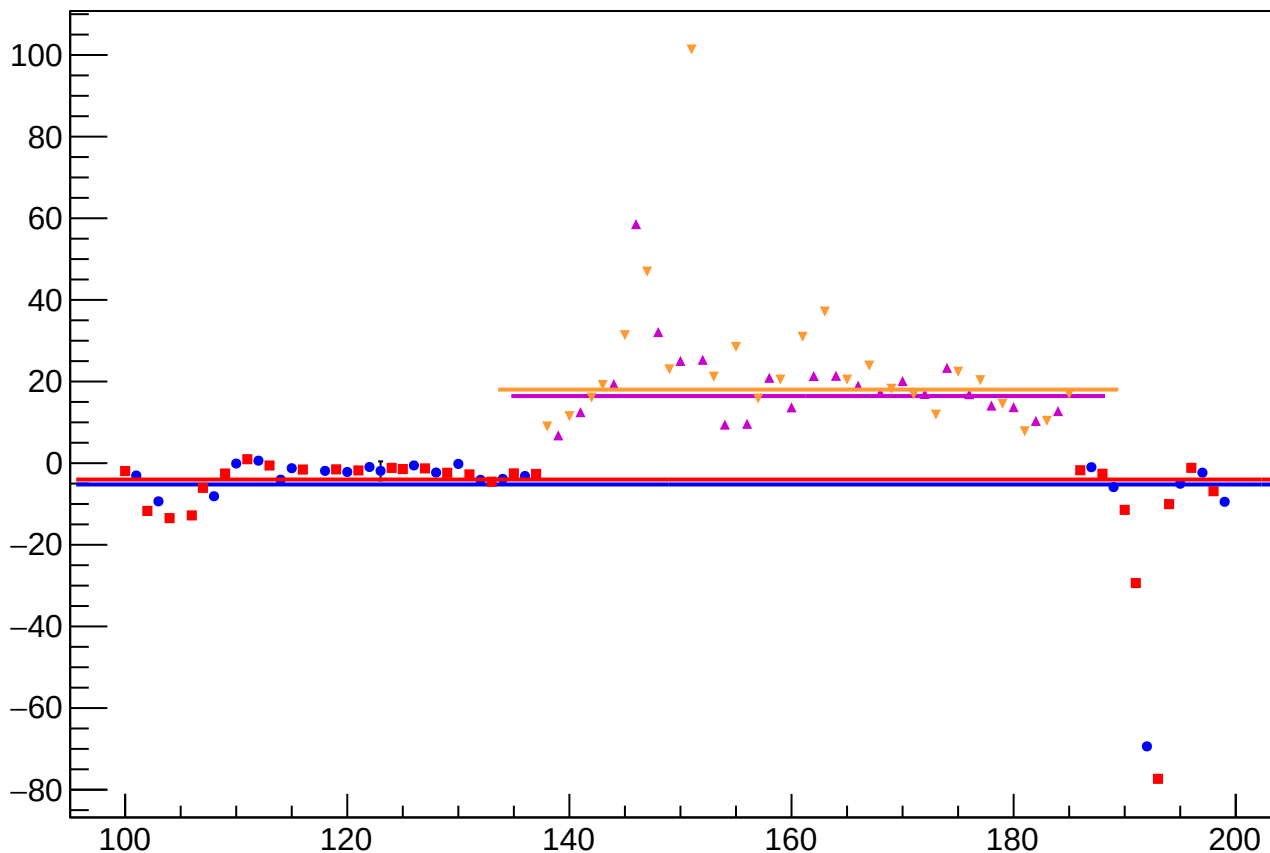
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.482 ± 0.027 χ^2/NDF : 10944.7/47

All: 0.391 ± 0.019 χ^2/NDF : 21477.9/97

- sign 0.310 ± 0.026 χ^2/NDF : 10512.5/49

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.222 ± 0.062 $\chi^2/\text{NDF}: 26710.6/22$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -4.007 ± 0.052 $\chi^2/\text{NDF}: 26956.6/26$

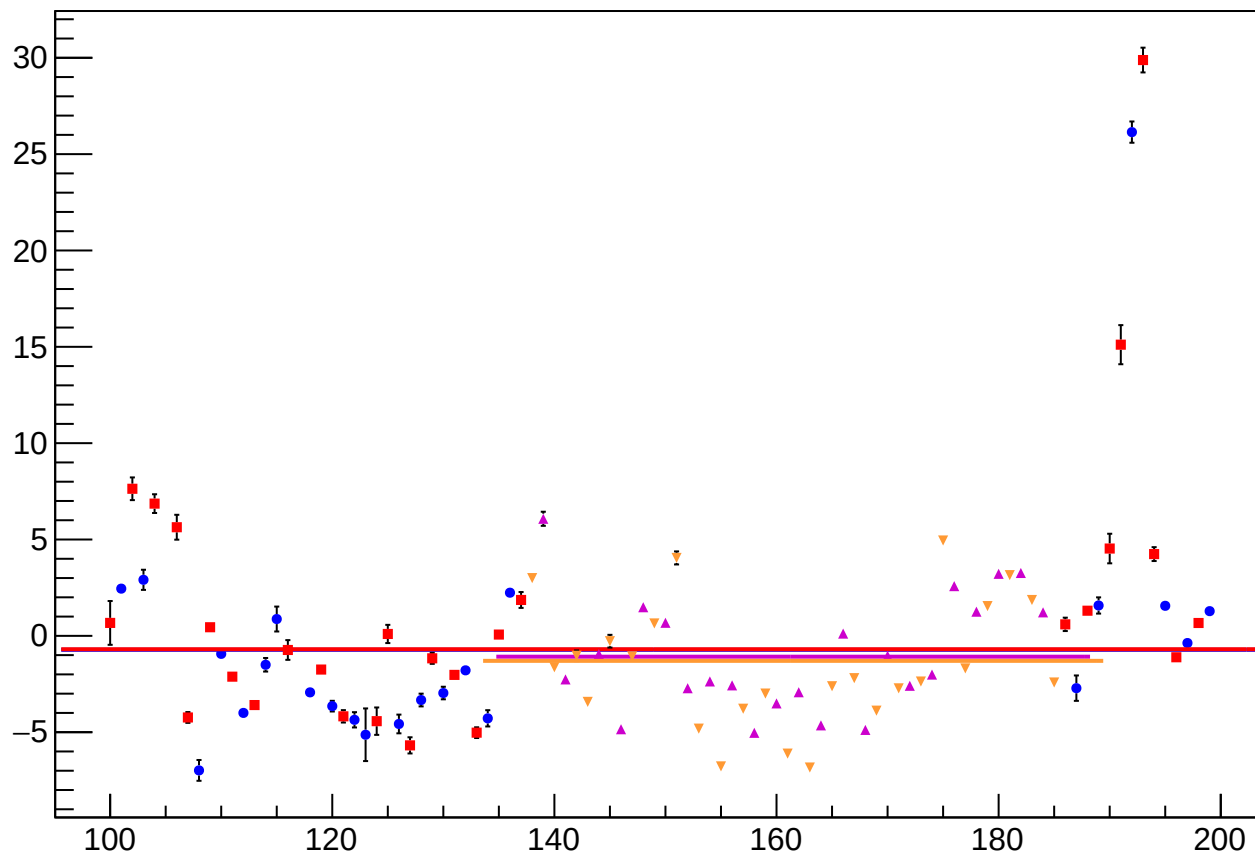
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 11.526 ± 0.033 $\chi^2/\text{NDF}: 204715.9/47$

All: 10.375 ± 0.022 $\chi^2/\text{NDF}: 377102.4/97$

- sign 9.398 ± 0.030 $\chi^2/\text{NDF}: 170131.4/49$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.723 ± 0.062 χ^2/NDF : 3978.4/22

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.695 ± 0.057 χ^2/NDF : 4528.5/26

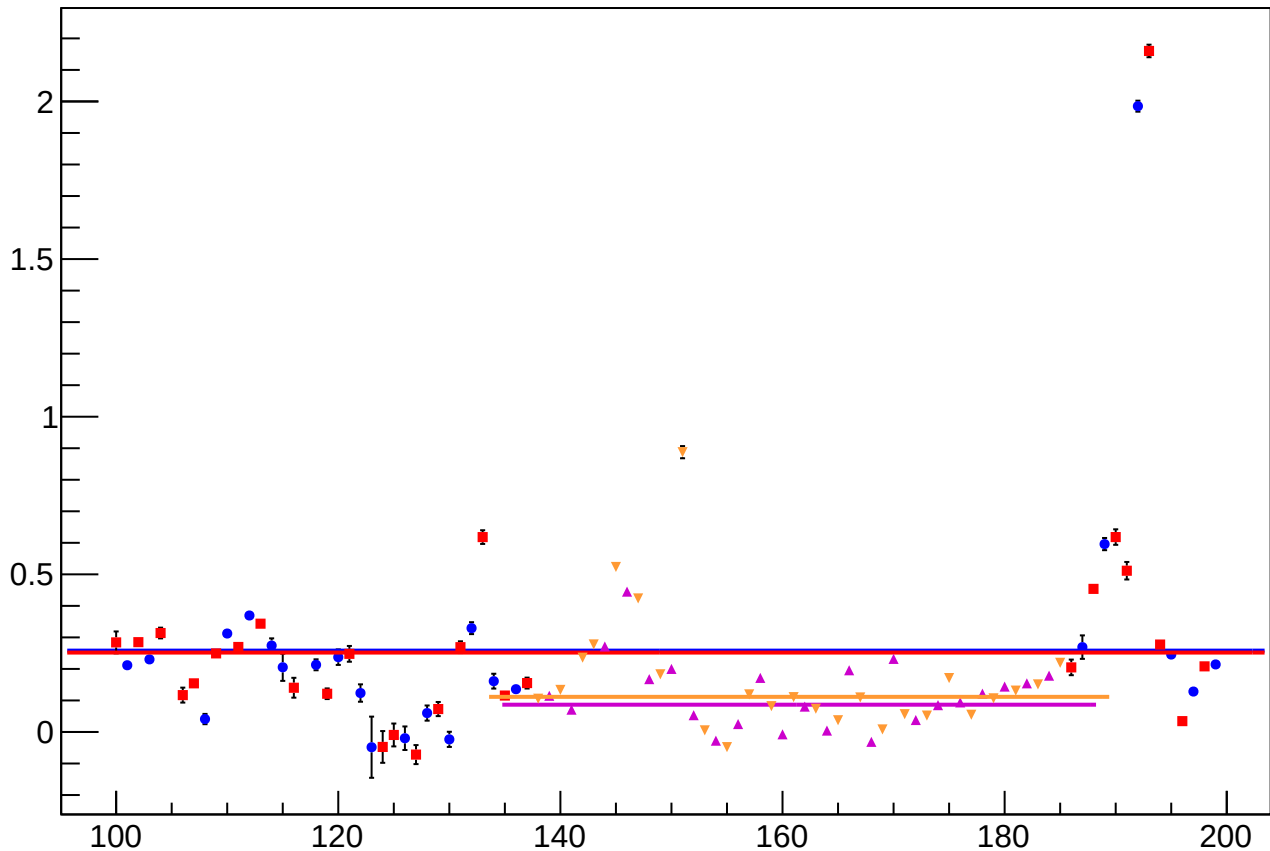
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.153 ± 0.031 χ^2/NDF : 11968.5/47

All: -1.063 ± 0.021 χ^2/NDF : 23271.1/97

- sign -0.981 ± 0.029 χ^2/NDF : 11286.3/49

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.258 ± 0.003 χ^2/NDF : 11255.1/22

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.252 ± 0.003 χ^2/NDF : 11714.6/26

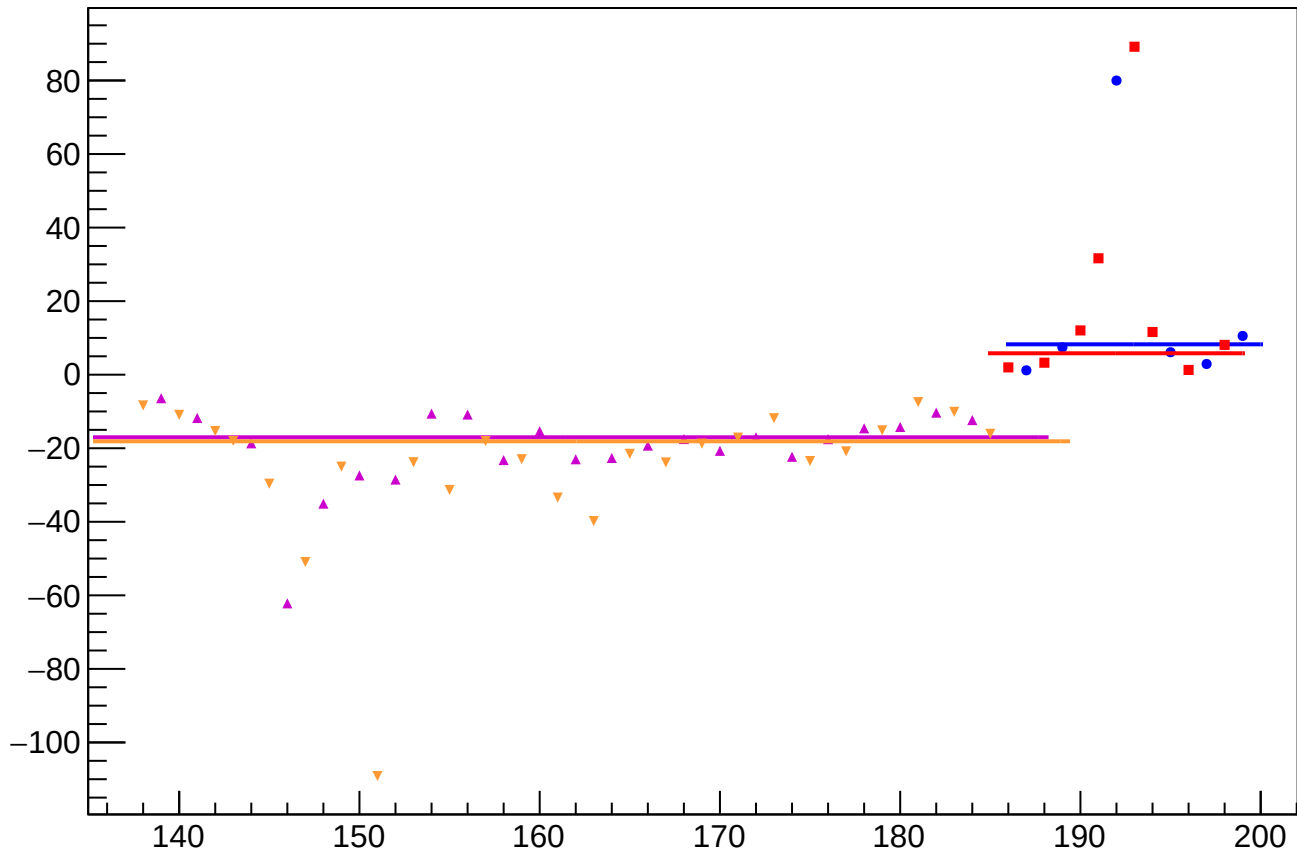
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.146 ± 0.001 χ^2/NDF : 17734.9/47

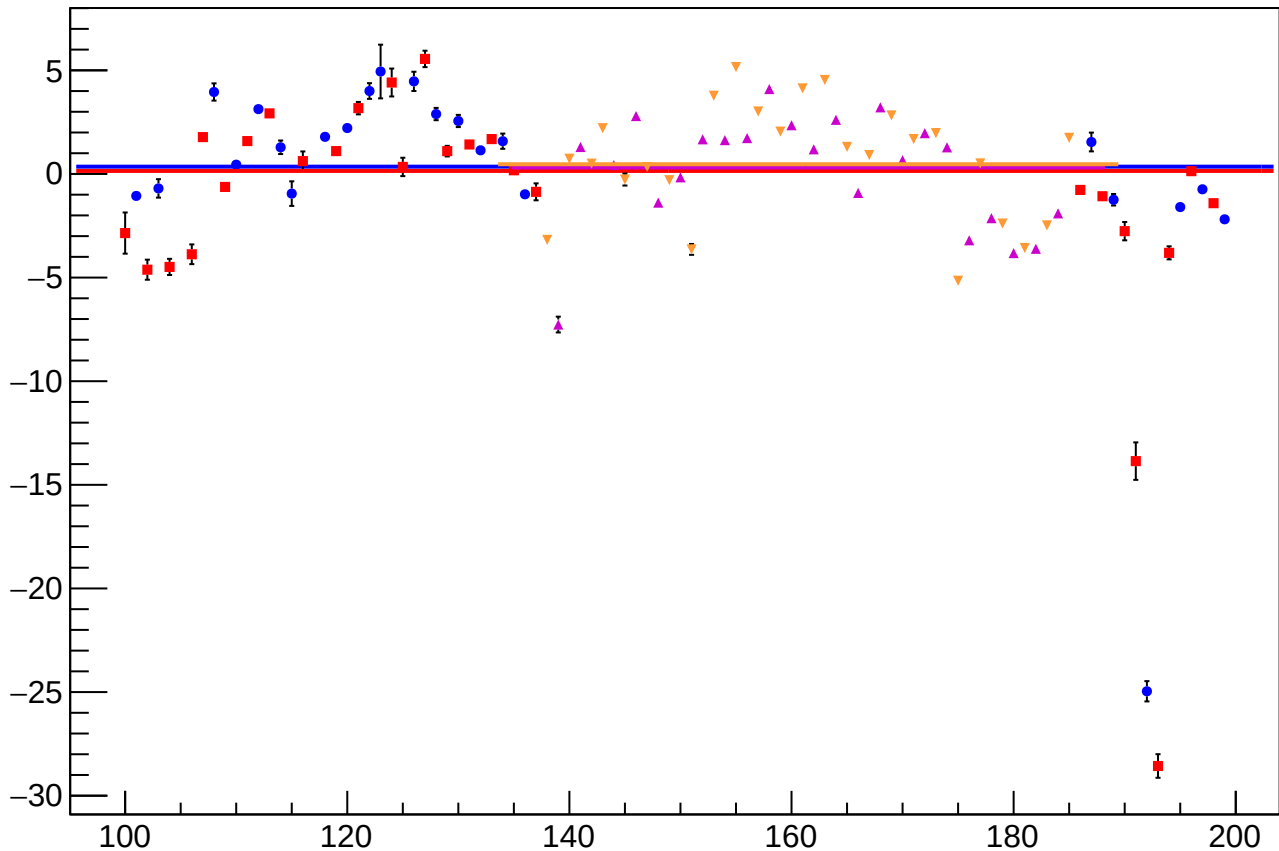
All: 0.134 ± 0.001 χ^2/NDF : 35966.3/97

- sign 0.124 ± 0.001 χ^2/NDF : 18098.6/49

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.352 ± 0.053 $\chi^2/\text{NDF}: 3856.5/22$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7093.0/24$

Right Out: 0.146 ± 0.049 $\chi^2/\text{NDF}: 4280.3/26$

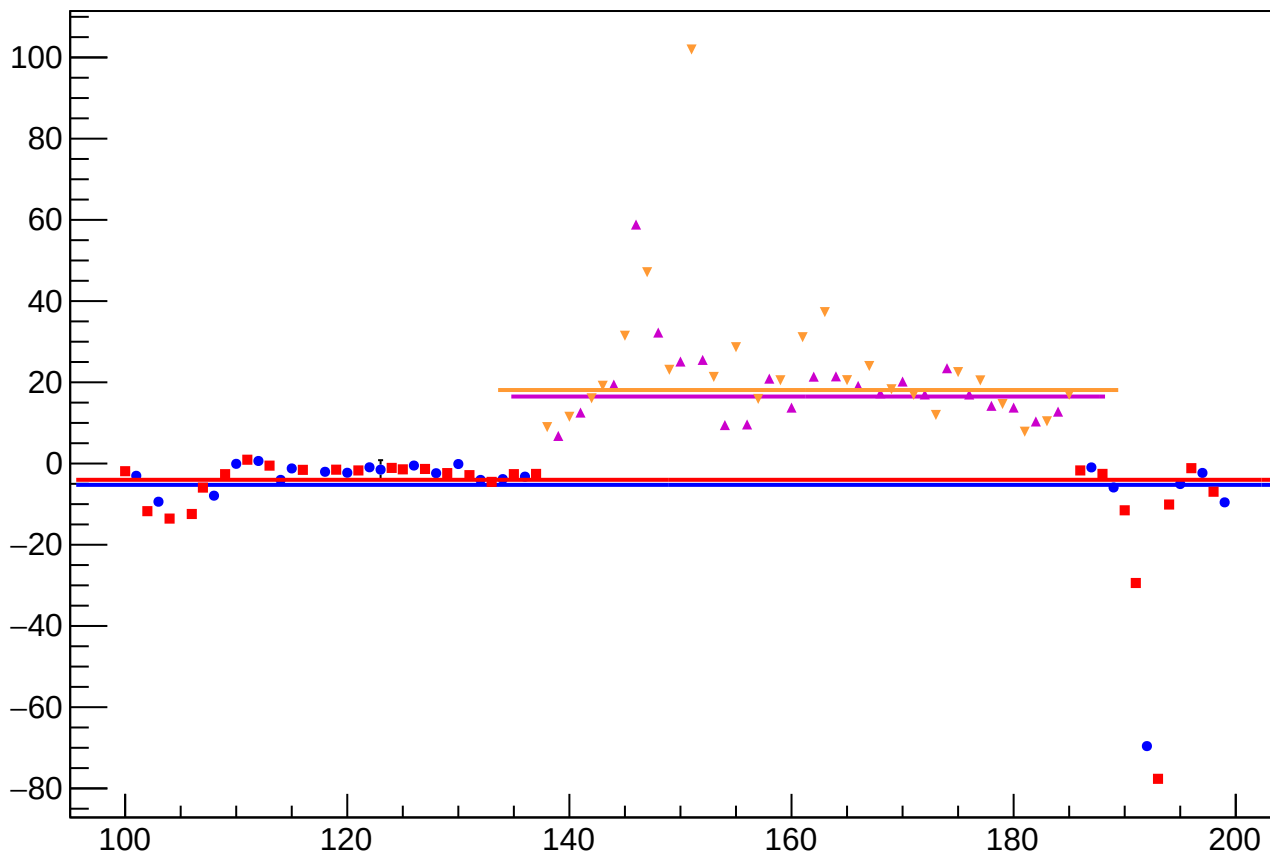
Left In: 0.311 ± 0.031 $\chi^2/\text{NDF}: 6183.1/22$

+ sign 0.437 ± 0.028 $\chi^2/\text{NDF}: 10953.1/47$

All: 0.346 ± 0.019 $\chi^2/\text{NDF}: 21445.5/97$

- sign 0.264 ± 0.026 $\chi^2/\text{NDF}: 10471.5/49$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -5.250 ± 0.063 $\chi^2/\text{NDF}: 26701.9/22$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.008 ± 0.052 $\chi^2/\text{NDF}: 26952.1/26$

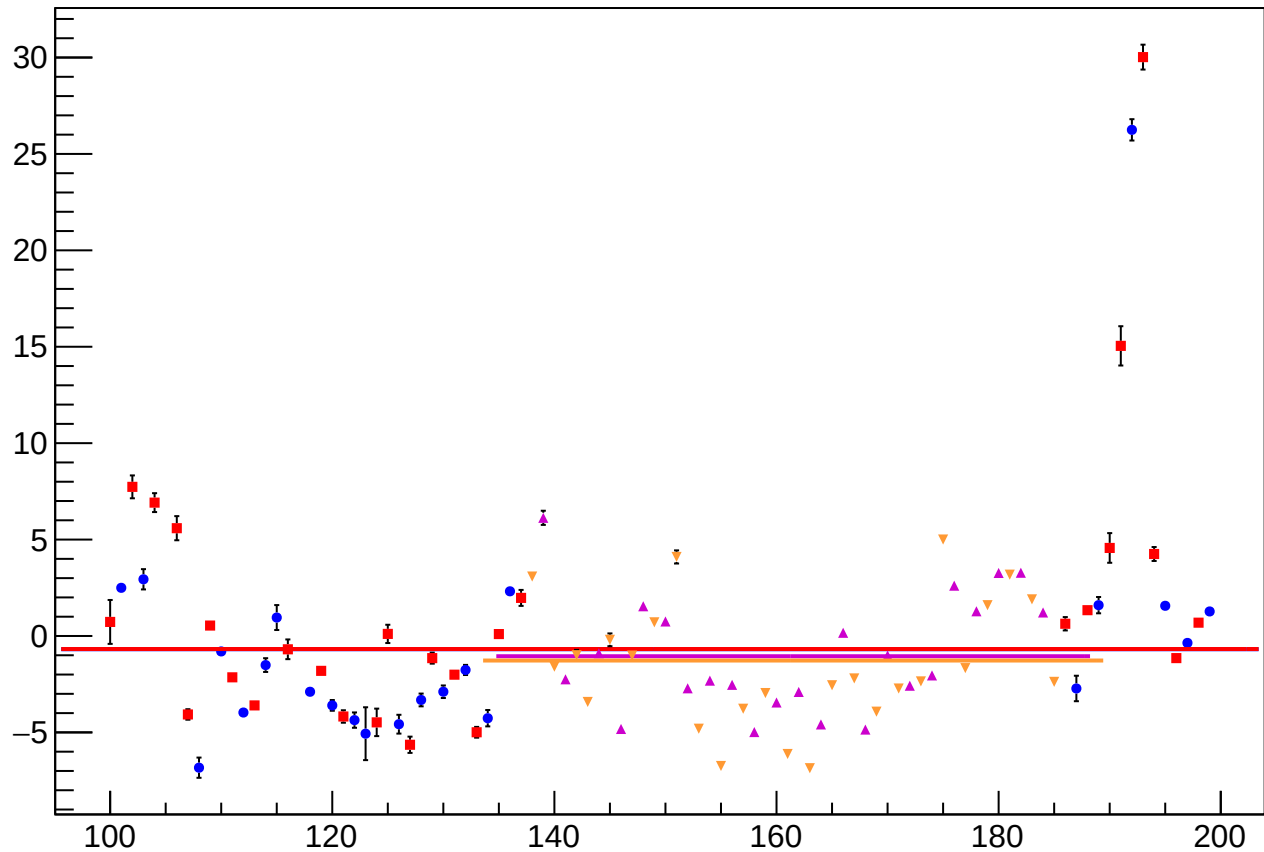
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 11.589 ± 0.033 $\chi^2/\text{NDF}: 204575.9/47$

All: 10.413 ± 0.022 $\chi^2/\text{NDF}: 377080.7/97$

- sign 9.418 ± 0.030 $\chi^2/\text{NDF}: 170176.7/49$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.687 ± 0.062 χ^2/NDF : 3967.9/22

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.676 ± 0.057 χ^2/NDF : 4529.9/26

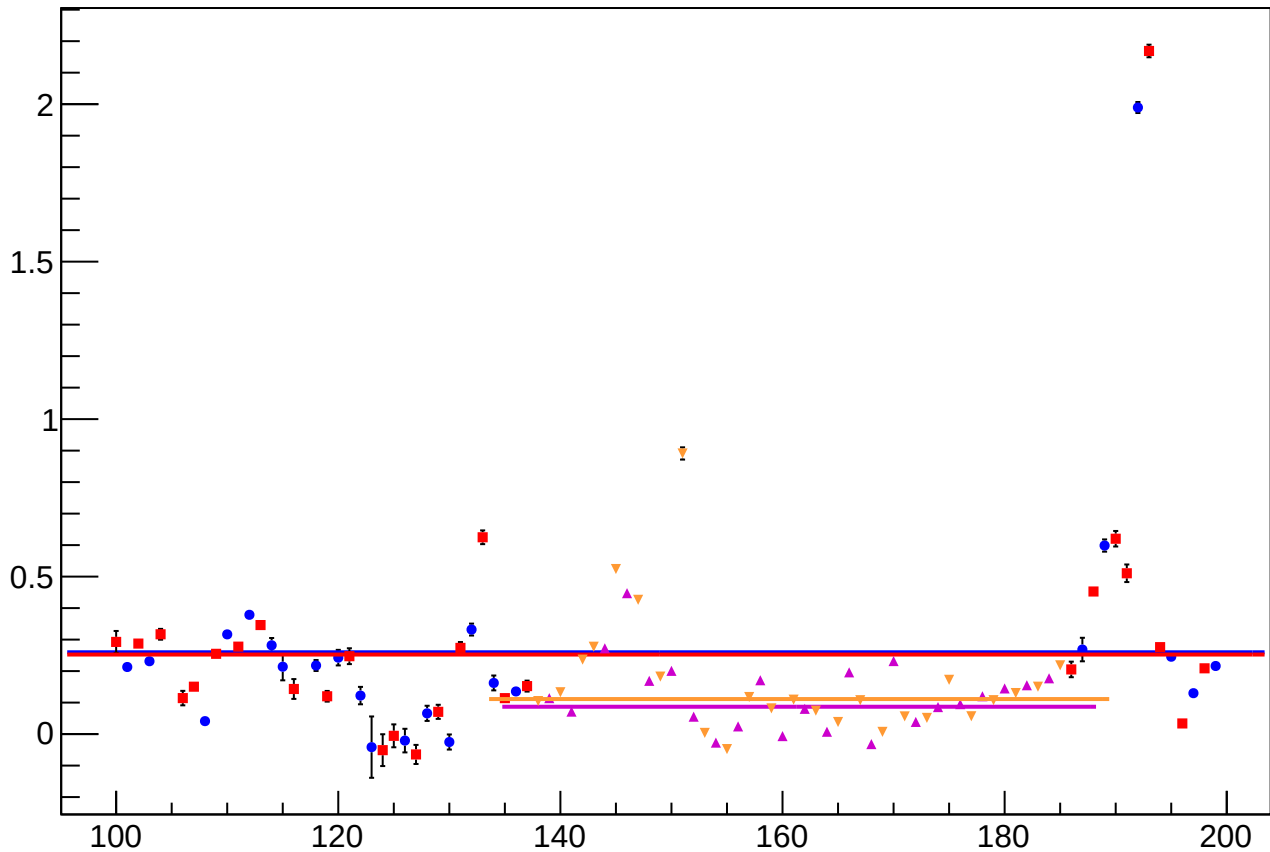
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.126 ± 0.031 χ^2/NDF : 11986.6/47

All: -1.035 ± 0.021 χ^2/NDF : 23237.7/97

- sign -0.953 ± 0.029 χ^2/NDF : 11234.7/49

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.260 ± 0.003 $\chi^2/\text{NDF}: 11247.0/22$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4474.5/24$

Right Out: 0.253 ± 0.003 $\chi^2/\text{NDF}: 11730.3/26$

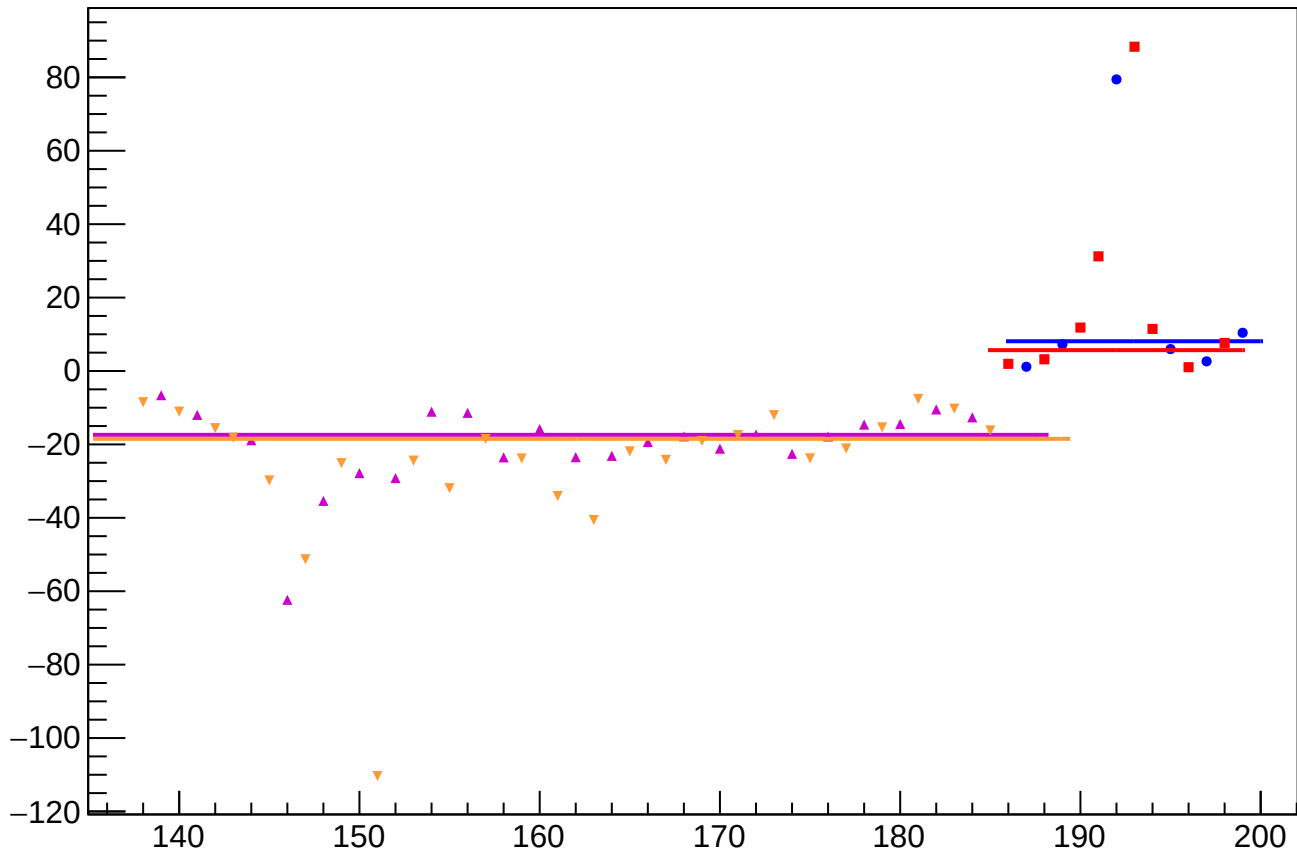
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3598.5/22$

+ sign 0.146 ± 0.001 $\chi^2/\text{NDF}: 17734.8/47$

All: 0.134 ± 0.001 $\chi^2/\text{NDF}: 35944.1/97$

- sign 0.124 ± 0.001 $\chi^2/\text{NDF}: 18080.4/49$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 8.101+/-0.090 χ^2/NDF : 24257.4/5

Left Out: -18.479+/-0.040 χ^2/NDF : 87883.4/24

Right Out: 5.678+/-0.074 χ^2/NDF : 24765.8/7

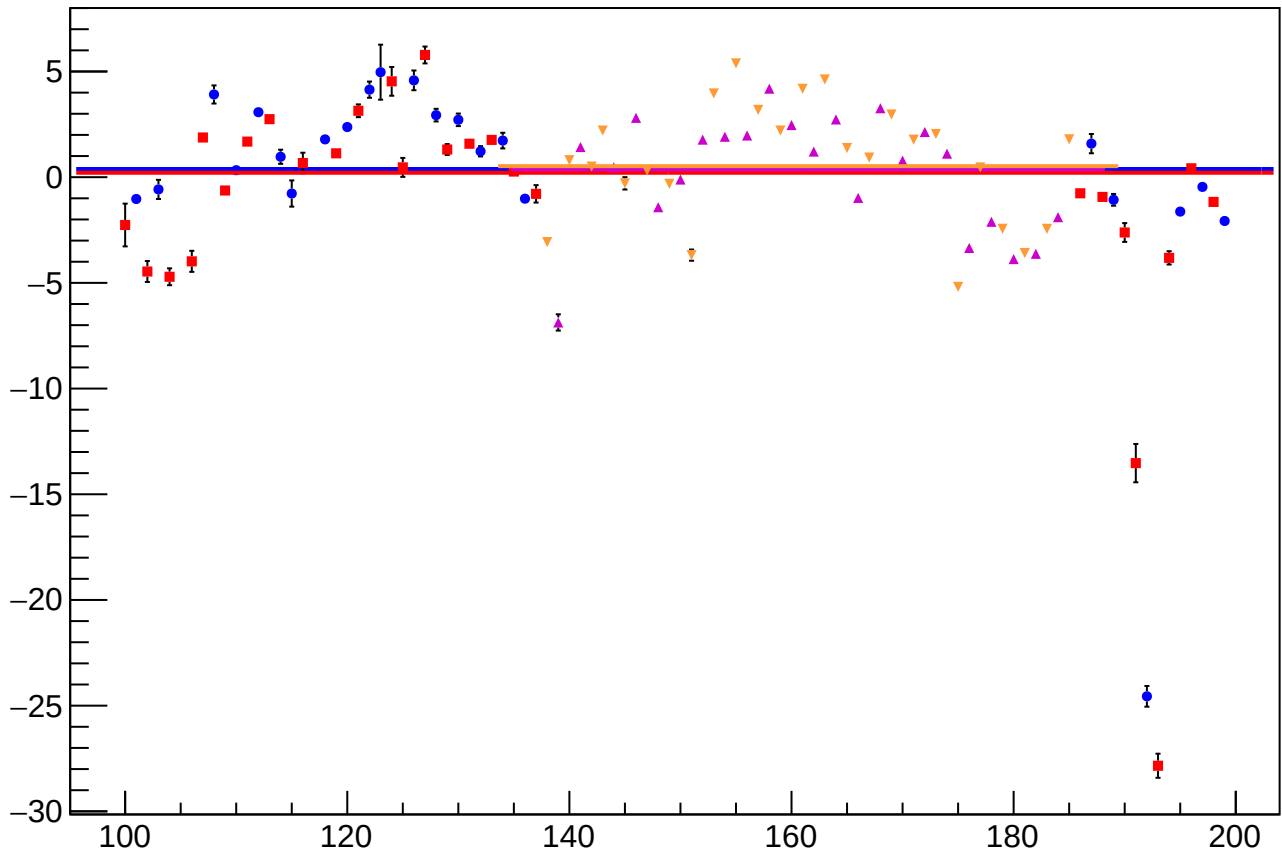
Left In: -17.393+/-0.039 χ^2/NDF : 43178.9/22

+ sign -14.173+/-0.036 χ^2/NDF : 184762.0/30

All: -13.238+/-0.025 χ^2/NDF : 329923.6/61

- sign -12.396+/-0.034 χ^2/NDF : 143902.8/30

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.387 ± 0.054 $\chi^2/\text{NDF}: 3725.5/22$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.210 ± 0.050 $\chi^2/\text{NDF}: 4091.5/26$

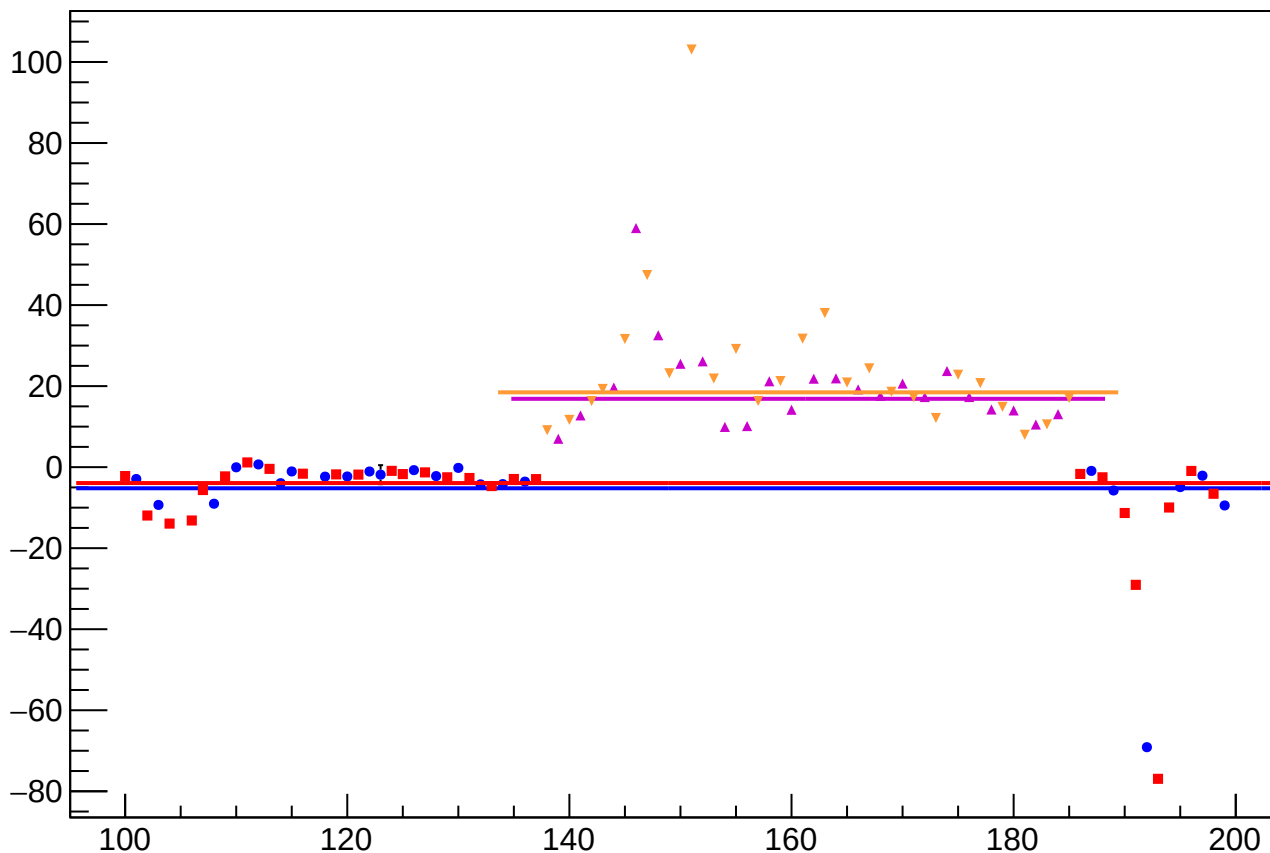
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.485 ± 0.028 $\chi^2/\text{NDF}: 10785.2/47$

All: 0.400 ± 0.019 $\chi^2/\text{NDF}: 21118.6/97$

- sign 0.326 ± 0.027 $\chi^2/\text{NDF}: 10316.5/49$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.216 ± 0.063 $\chi^2/\text{NDF}: 26228.0/22$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -3.926 ± 0.052 $\chi^2/\text{NDF}: 26406.0/26$

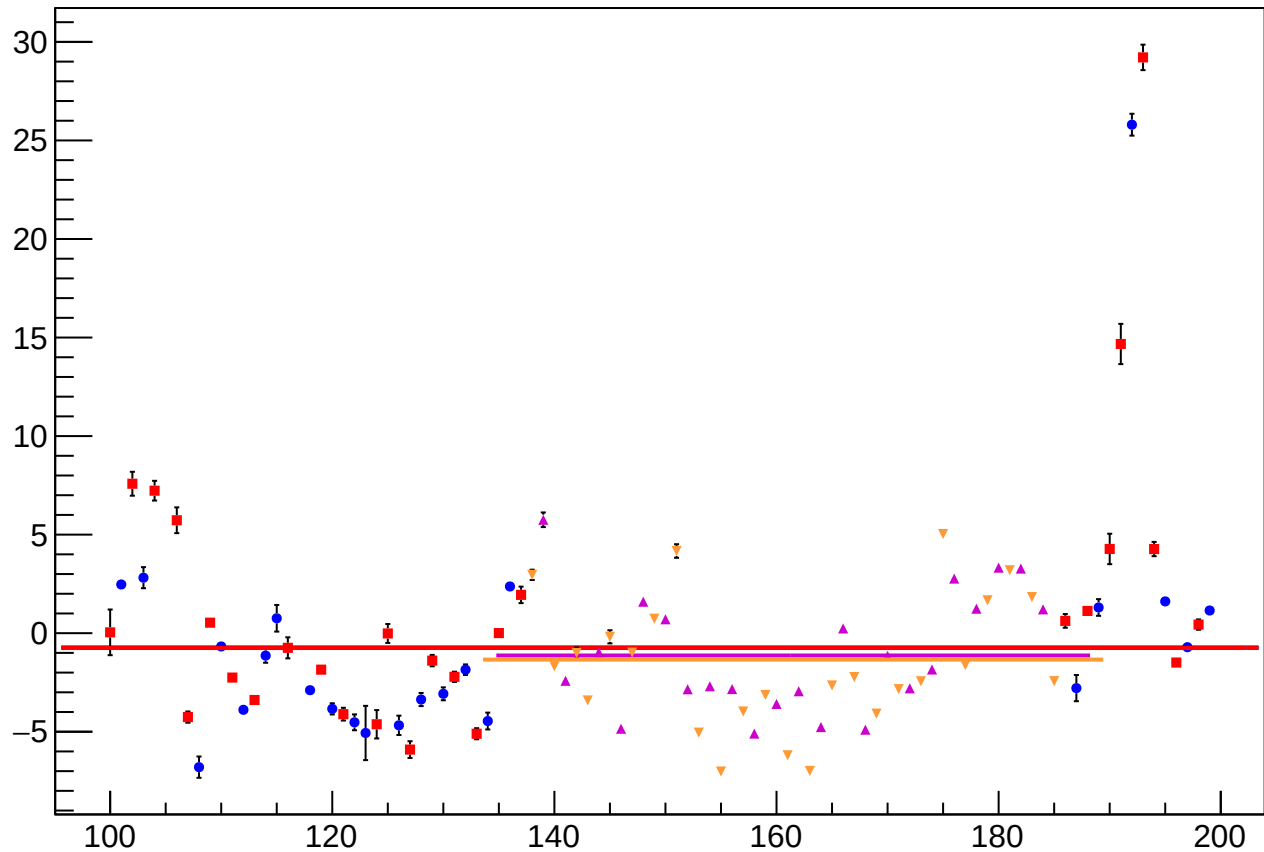
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 11.736 ± 0.034 $\chi^2/\text{NDF}: 203665.2/47$

All: 10.550 ± 0.023 $\chi^2/\text{NDF}: 374478.2/97$

- sign 9.546 ± 0.031 $\chi^2/\text{NDF}: 168532.0/49$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.724 ± 0.063 χ^2/NDF : 3855.4/22

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.753 ± 0.058 χ^2/NDF : 4347.7/26

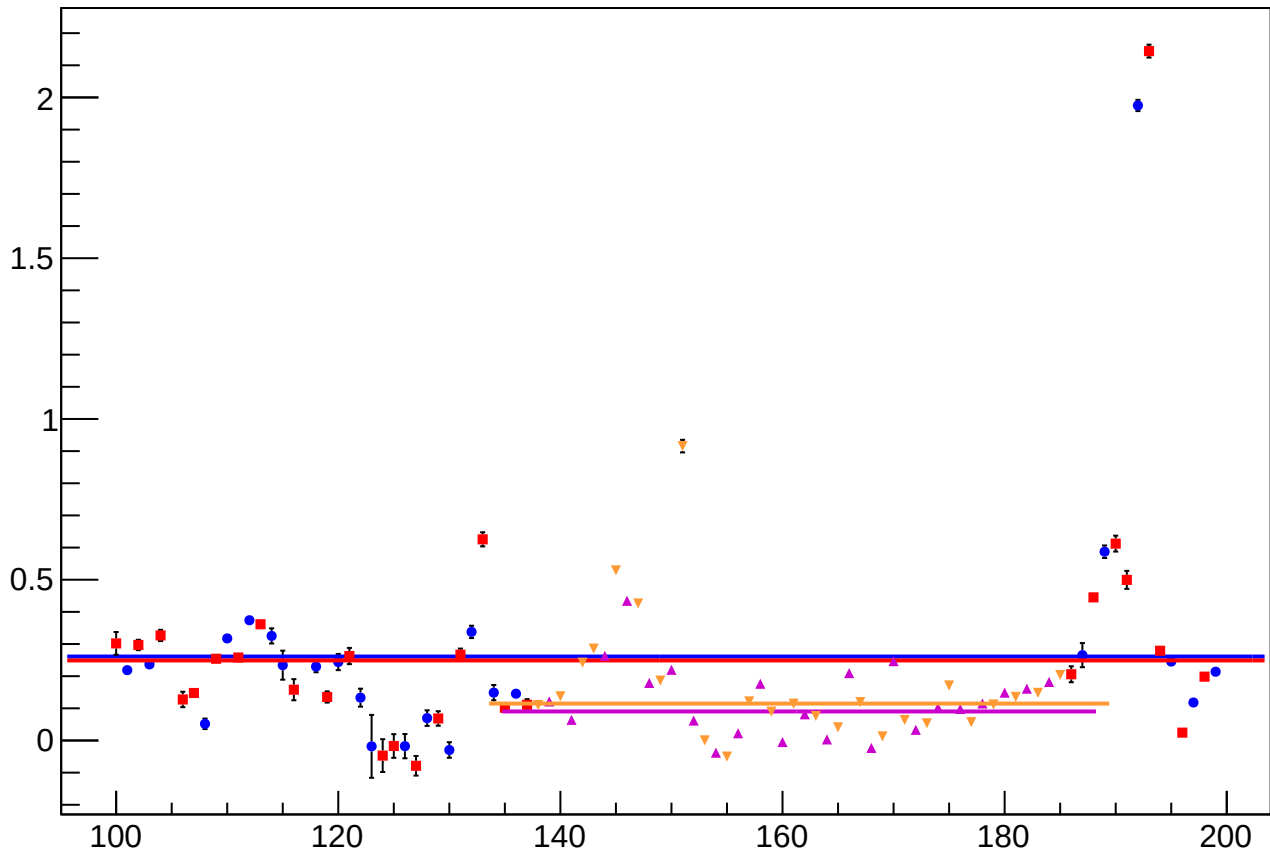
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.184 ± 0.032 χ^2/NDF : 11834.6/47

All: -1.104 ± 0.022 χ^2/NDF : 22933.9/97

- sign -1.033 ± 0.030 χ^2/NDF : 11087.2/49

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.261 $\pm$ 0.003 χ^2/NDF : 10992.0/22

Left Out: 0.115 $\pm$ 0.002 χ^2/NDF : 4431.9/24

Right Out: 0.249 $\pm$ 0.003 χ^2/NDF : 11579.5/26

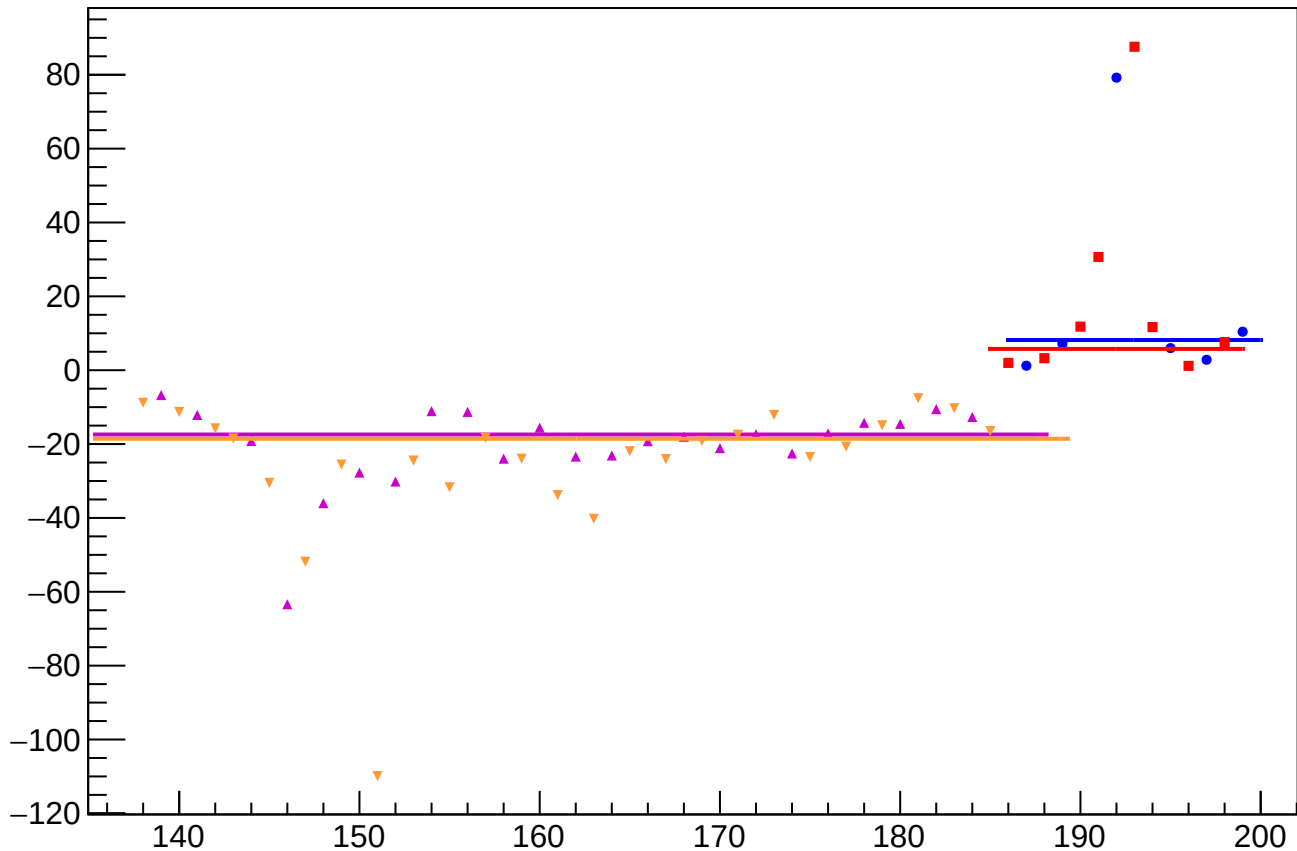
Left In: 0.090 $\pm$ 0.002 χ^2/NDF : 3676.5/22

+ sign 0.150 $\pm$ 0.001 χ^2/NDF : 17325.2/47

All: 0.137 $\pm$ 0.001 χ^2/NDF : 35160.6/97

- sign 0.127 $\pm$ 0.001 χ^2/NDF : 17698.1/49

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 8.177 ± 0.091 $\chi^2/\text{NDF}: 23771.4/5$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 5.768 ± 0.075 $\chi^2/\text{NDF}: 24146.6/7$

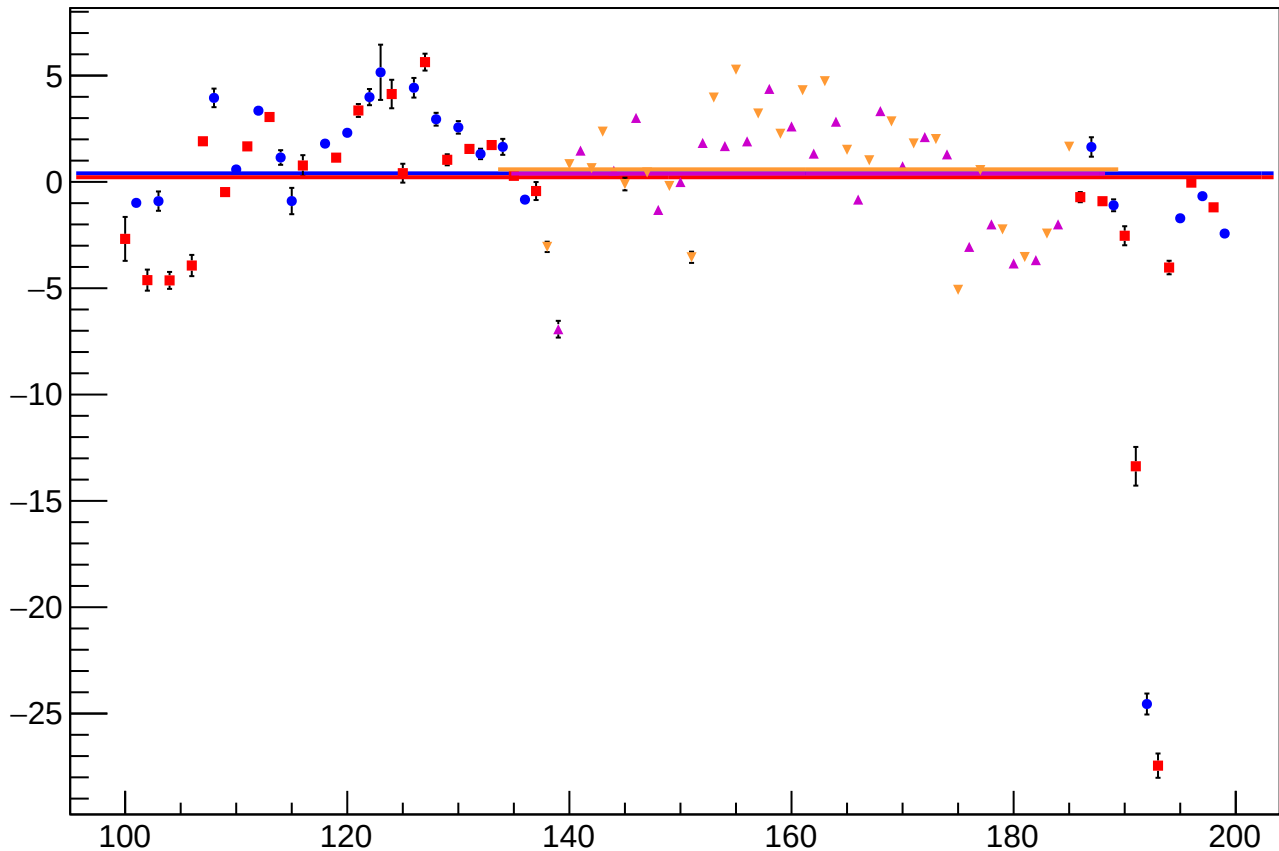
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -14.240 ± 0.037 $\chi^2/\text{NDF}: 182122.3/30$

All: -13.284 ± 0.025 $\chi^2/\text{NDF}: 325948.6/61$

- sign -12.424 ± 0.035 $\chi^2/\text{NDF}: 142538.5/30$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.401 ± 0.054 $\chi^2/\text{NDF}: 3749.7/22$

Left Out: 0.591 ± 0.033 $\chi^2/\text{NDF}: 6796.5/24$

Right Out: 0.218 ± 0.050 $\chi^2/\text{NDF}: 4024.4/26$

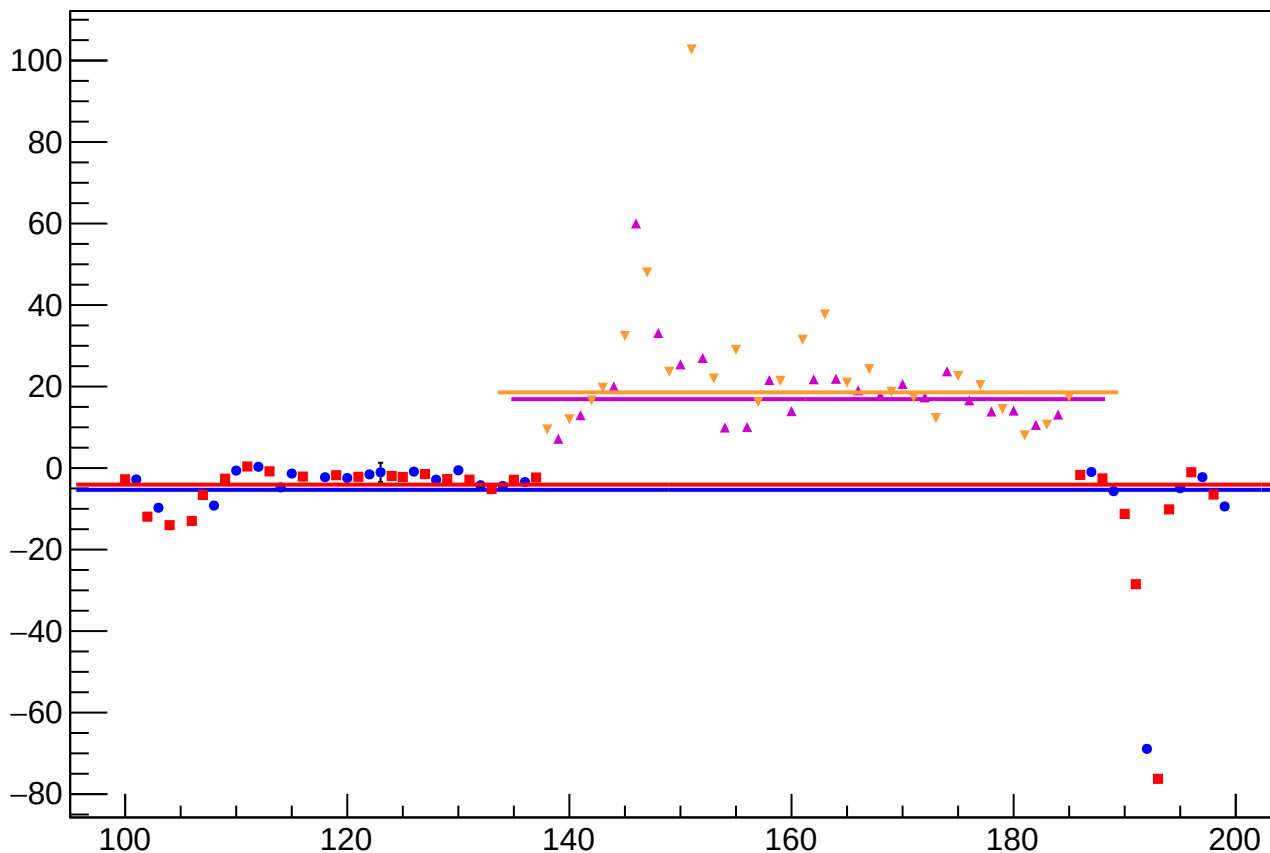
Left In: 0.394 ± 0.032 $\chi^2/\text{NDF}: 6059.8/22$

+ sign 0.539 ± 0.028 $\chi^2/\text{NDF}: 10555.0/47$

All: 0.436 ± 0.019 $\chi^2/\text{NDF}: 20672.7/97$

- sign 0.344 ± 0.027 $\chi^2/\text{NDF}: 10092.8/49$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.334 ± 0.064 χ^2/NDF : 25555.1/22

Left Out: 18.573 ± 0.040 χ^2/NDF : 76029.9/24

Right Out: -4.062 ± 0.053 χ^2/NDF : 25606.3/26

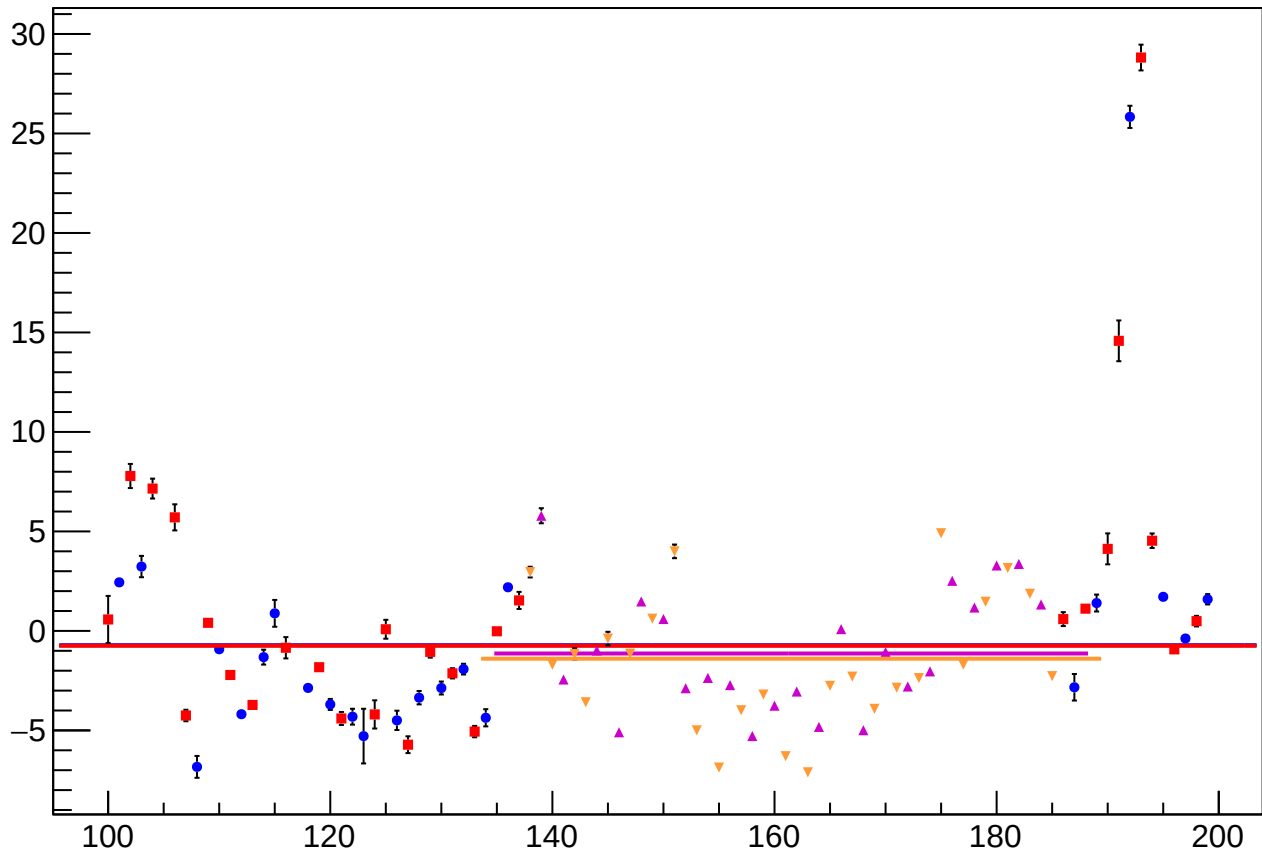
Left In: 16.919 ± 0.039 χ^2/NDF : 40154.5/22

+ sign 11.805 ± 0.034 χ^2/NDF : 201406.6/47

All: 10.608 ± 0.023 χ^2/NDF : 370993.9/97

- sign 9.592 ± 0.031 χ^2/NDF : 167307.2/49

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.720 ± 0.064 χ^2/NDF : 3842.2/22

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.745 ± 0.059 χ^2/NDF : 4267.4/26

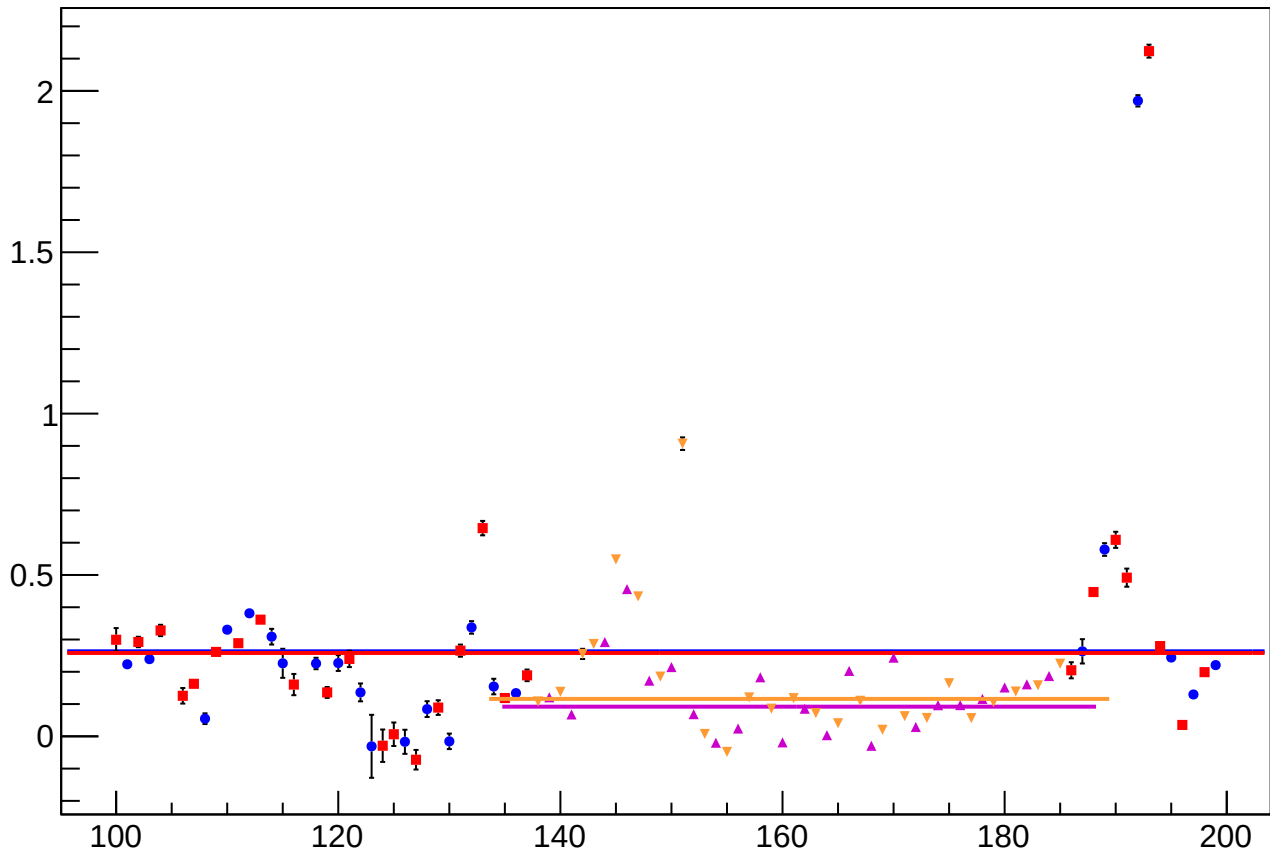
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.225 ± 0.032 χ^2/NDF : 11578.6/47

All: -1.124 ± 0.022 χ^2/NDF : 22494.6/97

- sign -1.033 ± 0.030 χ^2/NDF : 10897.0/49

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.263±/0.003 χ^2/NDF : 10751.6/22

Left Out: 0.116±/0.002 χ^2/NDF : 4463.0/24

Right Out: 0.258±/0.003 χ^2/NDF : 11059.5/26

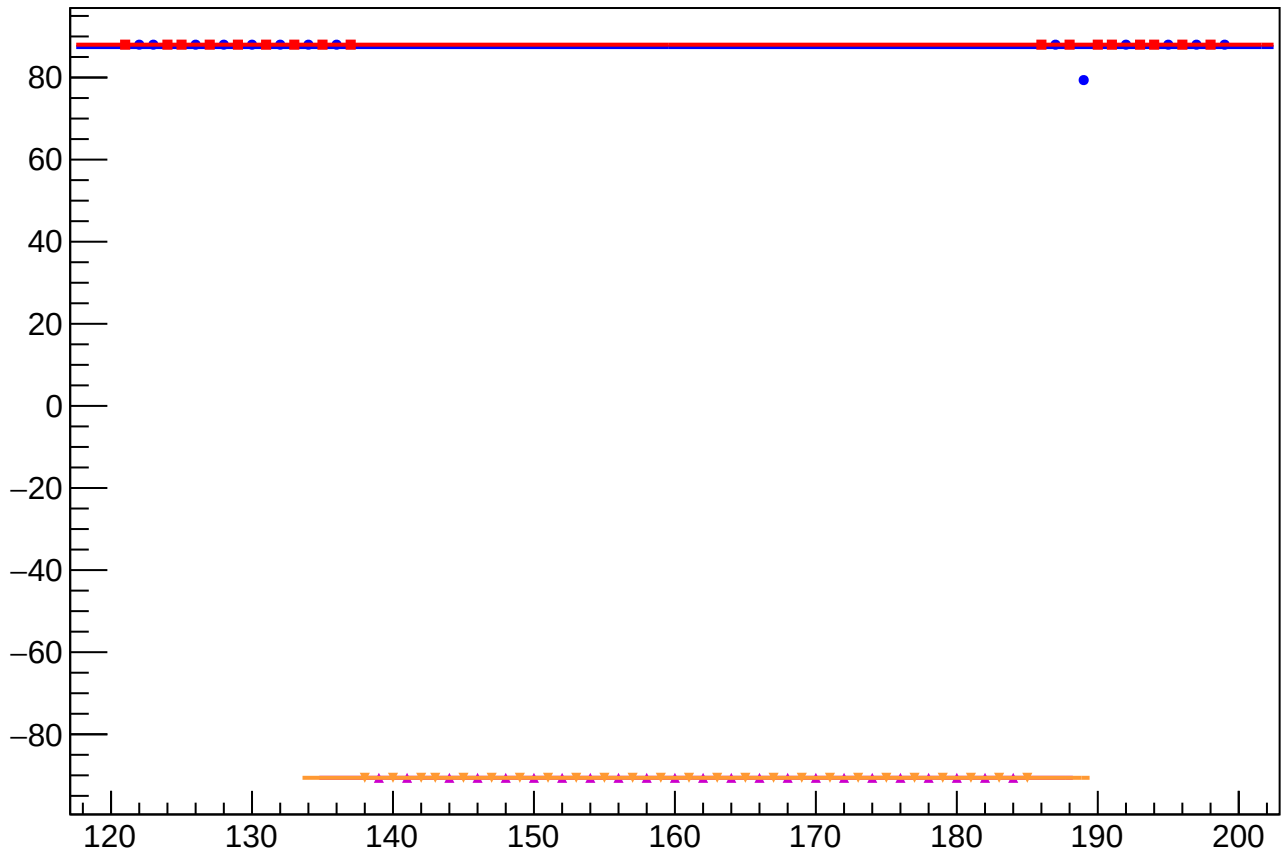
Left In: 0.092±/0.002 χ^2/NDF : 3631.4/22

+ sign 0.151±/0.001 χ^2/NDF : 17100.8/47

All: 0.140±/0.001 χ^2/NDF : 34508.5/97

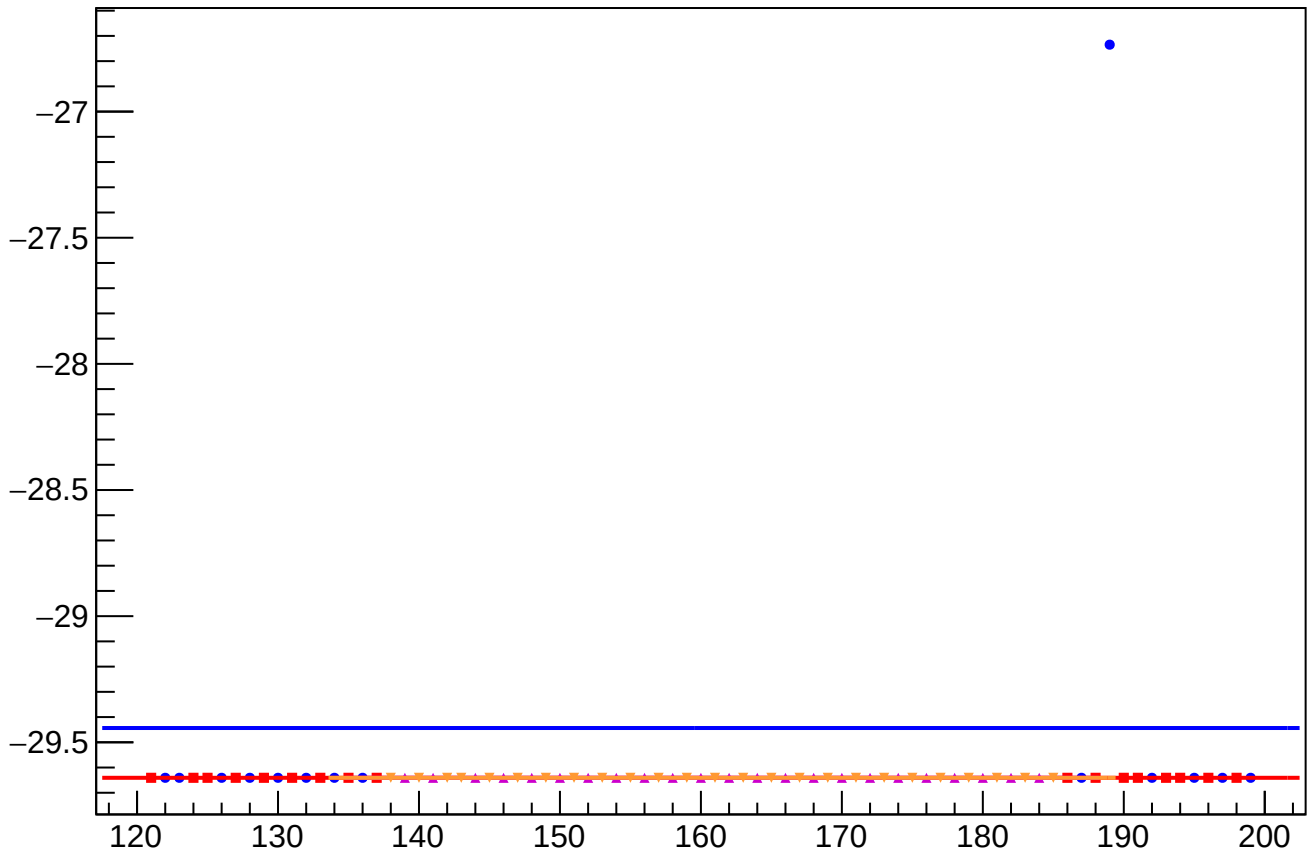
- sign 0.130±/0.001 χ^2/NDF : 17292.9/49

VWienAngle_mean vs Slug



Right In: 87.415+/-0.000	χ^2/NDF : 3538345360007657214568451874488320.0/13	+ sign -40.359+/-0.000	χ^2/NDF : 170854819421614
Left Out: -90.599+/-0.000	χ^2/NDF : 6053403.0/24	All: -37.142+/-0.000	χ^2/NDF : 354745955534
Right Out: 88.001+/-0.000	χ^2/NDF : 591910.7/16	- sign -33.916+/-0.000	χ^2/NDF : 1833395668357329
Left In: -90.599+/-0.000	χ^2/NDF : 5932436.0/22		

HWienAngle_mean vs Slug



Right In: -29.443+/-0.000 χ^2/NDF : 401425483160399233181062189285376.0/13

Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24

Right Out: -29.641+/-0.000 χ^2/NDF : 1159234.3/16

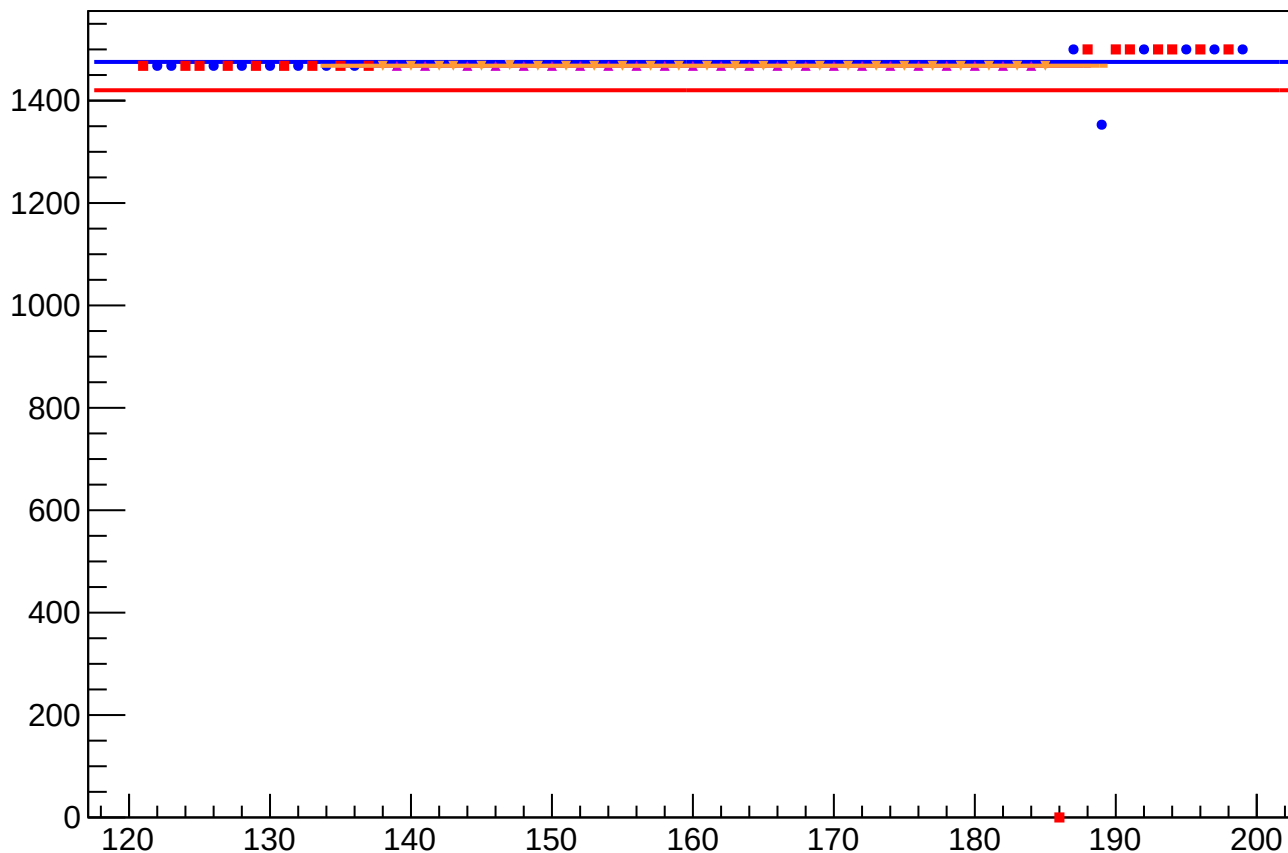
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22

+ sign -29.585+/-0.000 χ^2/NDF : 422418051107274

All: -29.613+/-0.000 χ^2/NDF : 426538910888

- sign -29.641+/-0.000 χ^2/NDF : 2201174.4/39

psub_pl_pos_mean vs Slug



Right In: 1475.560+/-0.000 χ^2/NDF : 1001920188265134545474508880540073984.0/13

Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24

Right Out: 1420.250+/-0.000 χ^2/NDF : 80468728696404475289091073669672730624.0/16

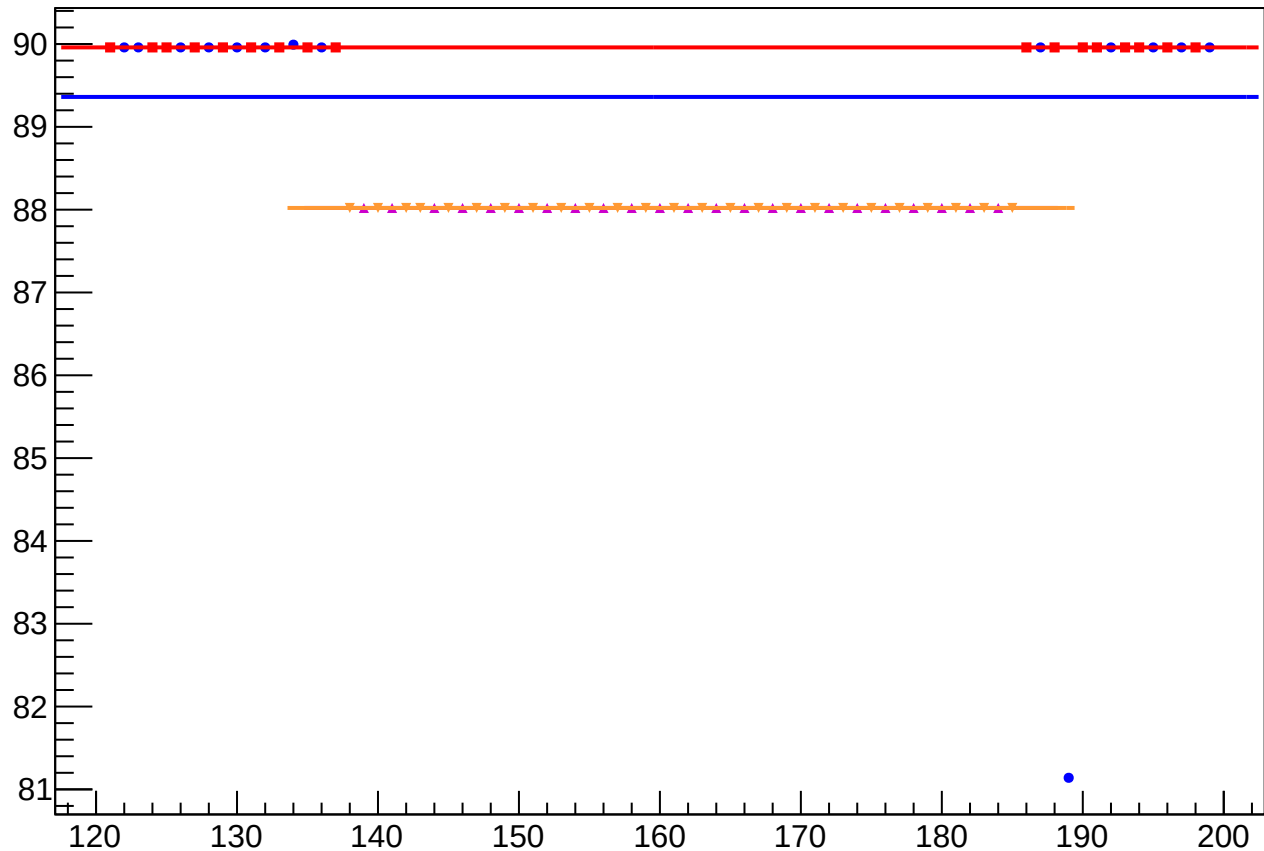
Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

+ sign 1470.168+/-0.000 χ^2/NDF : 10324654472649

All: 1461.517+/-0.000 χ^2/NDF : 83210228047

- sign 1452.841+/-0.000 χ^2/NDF : 81778916387148

Phi_FG_mean vs Slug



Right In: 89.361 ± 0.000 $\chi^2/NDF: 3698454601282448954642109959241728.0/13$

Left Out: 88.021 ± 0.000 $\chi^2/NDF: 5326388.8/24$

Right Out: 89.959 ± 0.000 $\chi^2/NDF: 2654611.6/16$

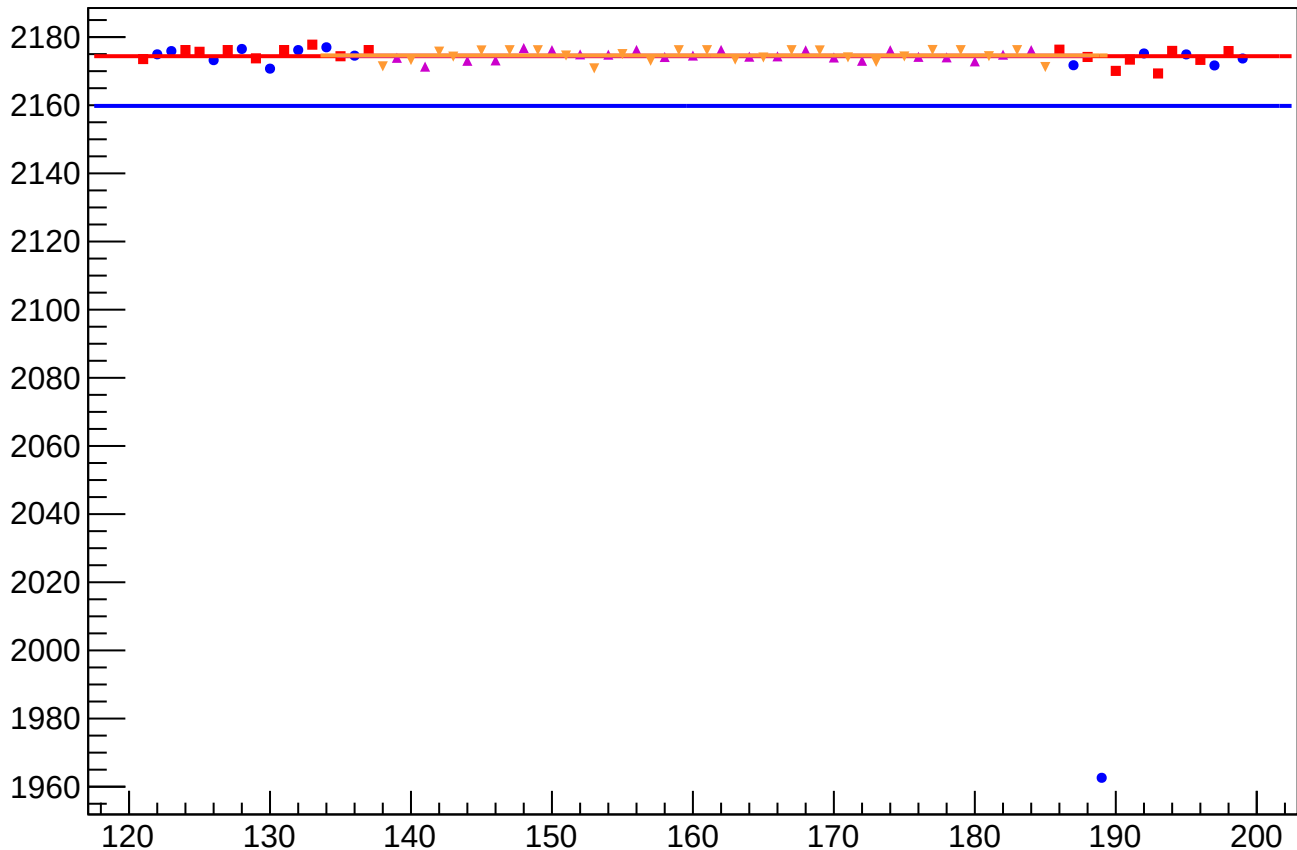
Left In: 88.021 ± 0.000 $\chi^2/NDF: 6084099.2/22$

+ sign 88.399 ± 0.000 $\chi^2/NDF: 4667220778468164$

All: 88.517 ± 0.000 $\chi^2/NDF: 6901854417805$

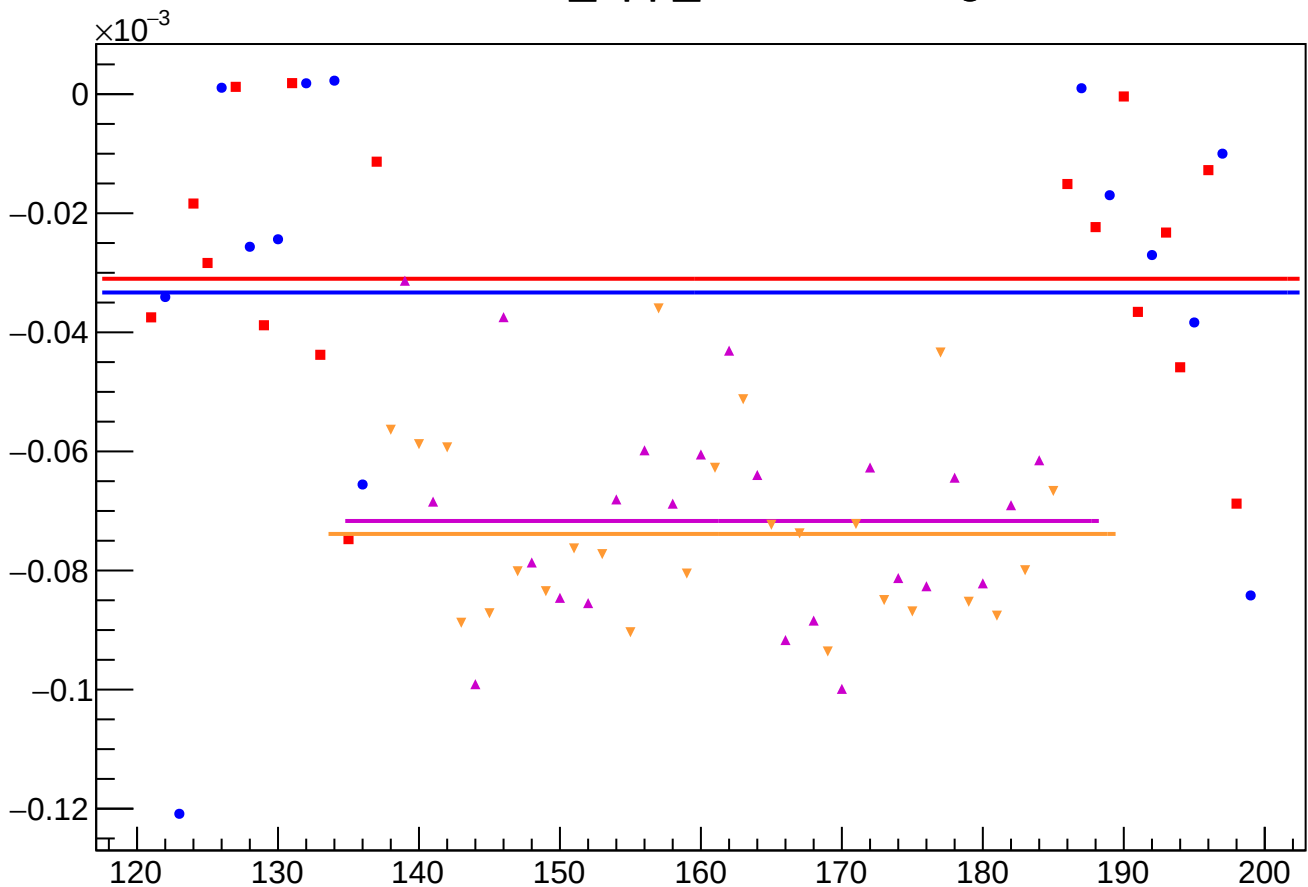
- sign 88.636 ± 0.000 $\chi^2/NDF: 2160065439271400$

HALLA_p_mean vs Slug



Right In: 2159.802 $\pm$ 0.000 χ^2 /NDF: 2129554453218760486399371524767219712.0/13
 Left Out: 2174.622 $\pm$ 0.000 χ^2 /NDF: 5110578135476093110874911595823104.0/24
 Right Out: 2174.391 $\pm$ 0.000 χ^2 /NDF: 4219419376483288334327743529353216.0/16
 Left In: 2174.539 $\pm$ 0.000 χ^2 /NDF: 3400742562425168967494665391570944.0/22
 All: 2172.463 $\pm$ 0.000 χ^2 /NDF: 2282517869
 + sign 2170.439 $\pm$ 0.000 χ^2 /NDF: 22530653459465
 - sign 2174.492 $\pm$ 0.000 χ^2 /NDF: 76327546347581

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000

χ^2/NDF : 563830598887660087934976.0/13

Left Out: -0.000+/-0.000

χ^2/NDF : 450400934180541069000704.0/24

Right Out: -0.000+/-0.000

χ^2/NDF : 420340607860782078623744.0/16

Left In: -0.000+/-0.000

χ^2/NDF : 562166279020739416817664.0/22

+ sign -0.000+/-0.000

χ^2/NDF : 1900536100714766

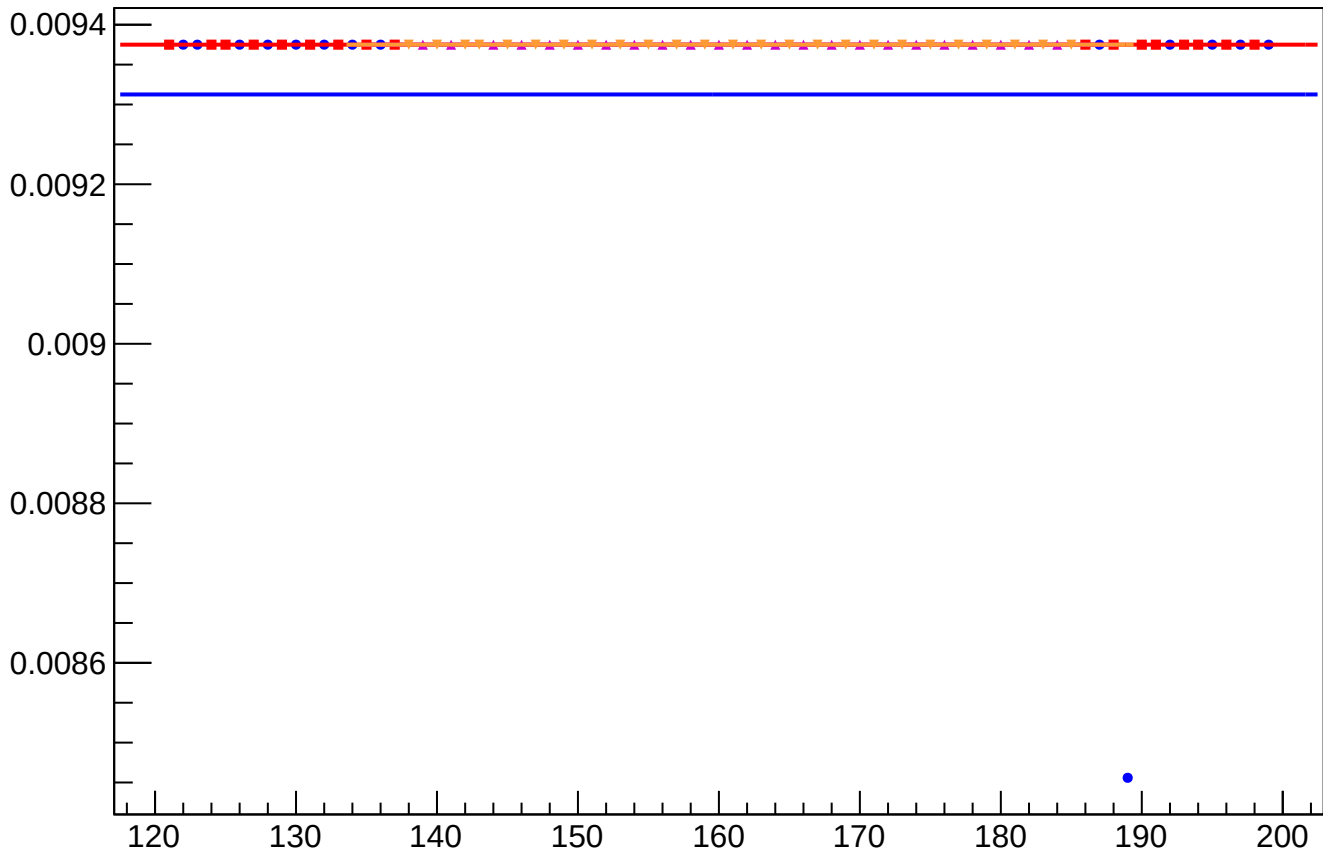
All: -0.000+/-0.000

χ^2/NDF : 3851735901020

- sign -0.000+/-0.000

χ^2/NDF : 19335646284522598

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40157853254483334458769408.0/13

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/16

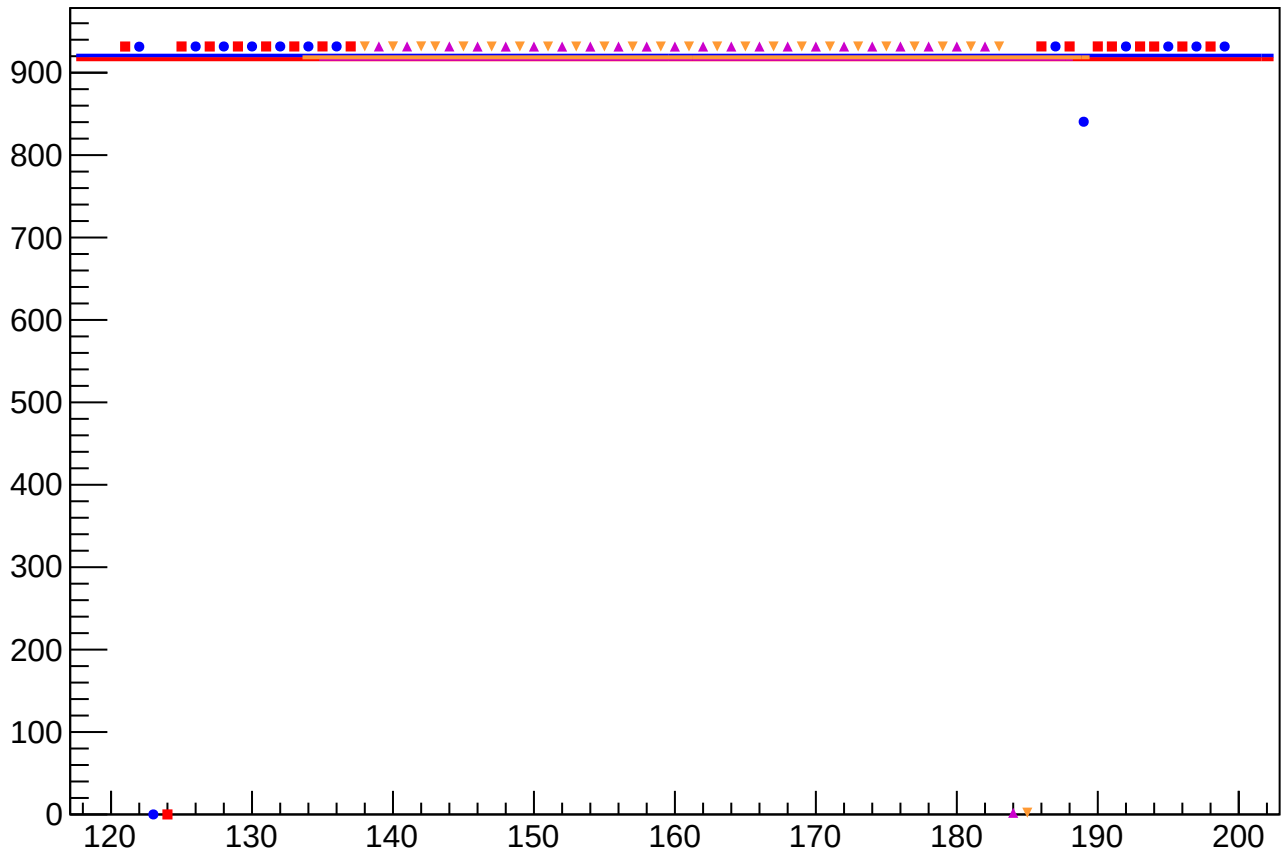
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42257910421777402

All: 0.009+/-0.000 χ^2/NDF : 42670153513747

- sign 0.009+/-0.000 χ^2/NDF : 0.2/39

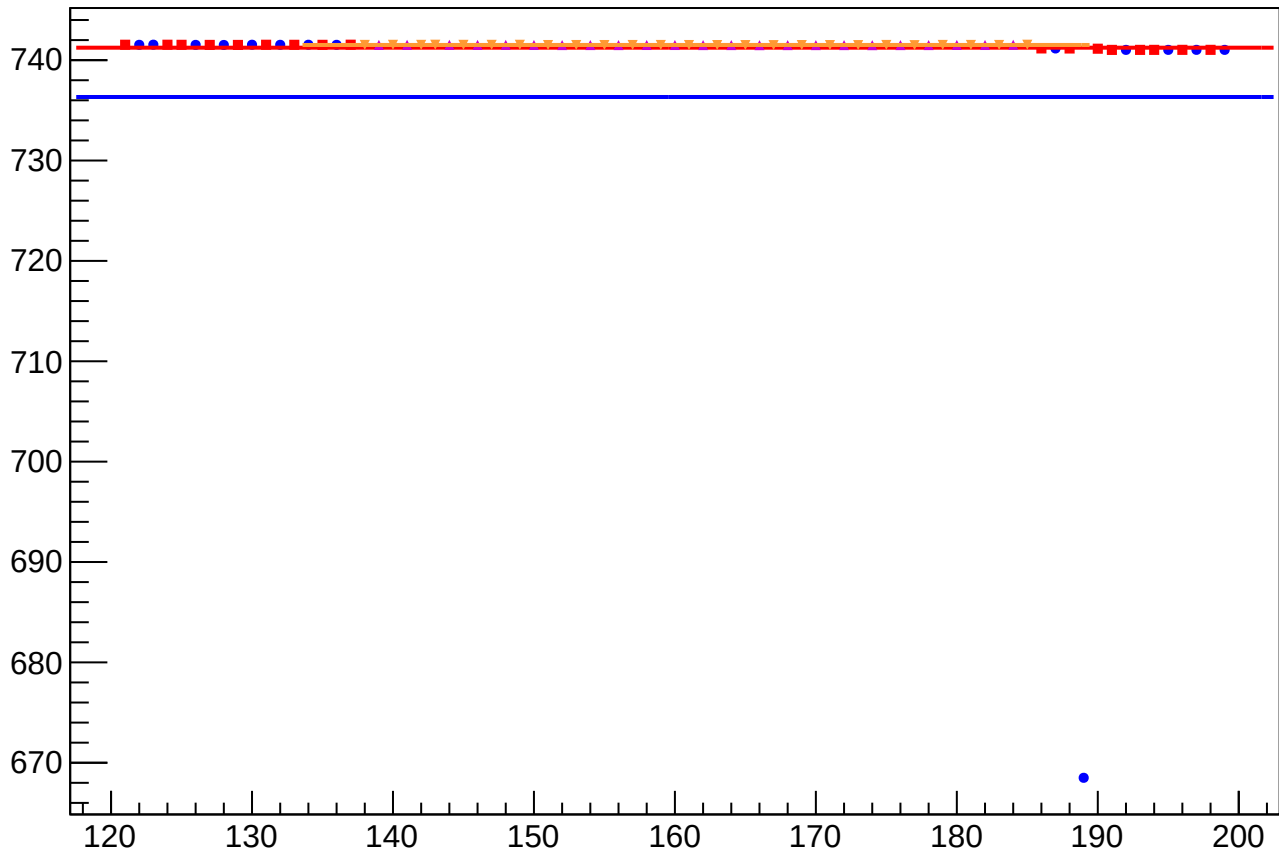
HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.625+/-0.000 χ^2/NDF : 3804190369618180978650467391384846336.0/13
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 916.316+/-0.000 χ^2/NDF : 11952804178493698952411340353008828416.0/16
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

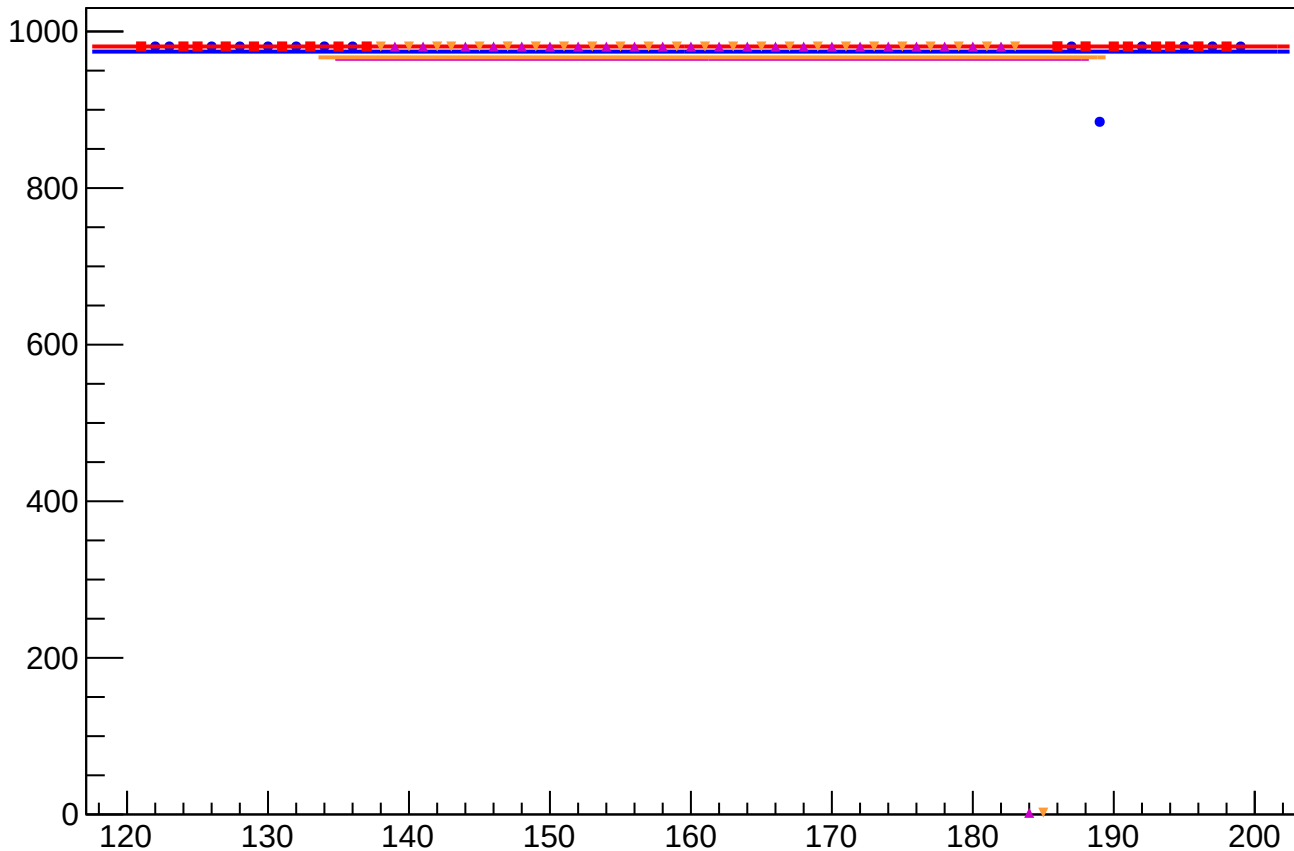
+ sign 919.204+/-0.000 χ^2/NDF : 268098034288396
 All: 917.957+/-0.000 χ^2/NDF : 634389692607
 - sign 916.707+/-0.000 χ^2/NDF : 366208886271345

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 736.330+/-0.000 χ^2/NDF : 251782055934016423867229195384913920.0/13
 Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24
 Right Out: 741.242+/-0.000 χ^2/NDF : 43721401327818391562583806050304.0/16
 Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22
 All: 740.737+/-0.000 χ^2/NDF : 268863665096
 + sign 740.050+/-0.000 χ^2/NDF : 266261095124606
 - sign 741.427+/-0.000 χ^2/NDF : 858643800665364

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 974.288+/-0.000 χ^2/NDF : 439735995374896688966240975586328576.0/13

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.836+/-0.000 χ^2/NDF : 2724597511547742902541334085632.0/16

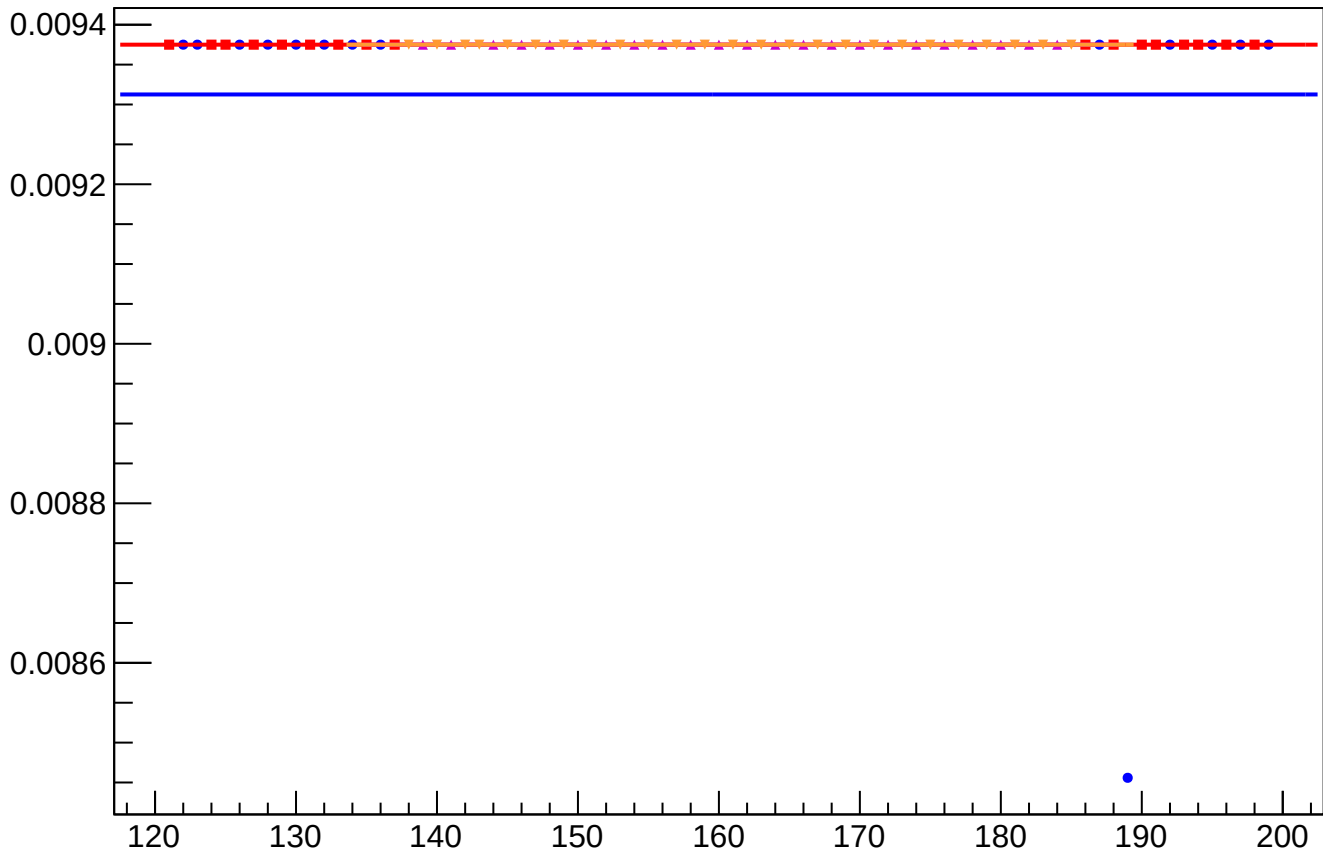
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 969.011+/-0.000 χ^2/NDF : 259544500082795

All: 969.552+/-0.000 χ^2/NDF : 534286208895

- sign 970.096+/-0.000 χ^2/NDF : 274726075428402

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40157853254483334458769408.0/13

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/16

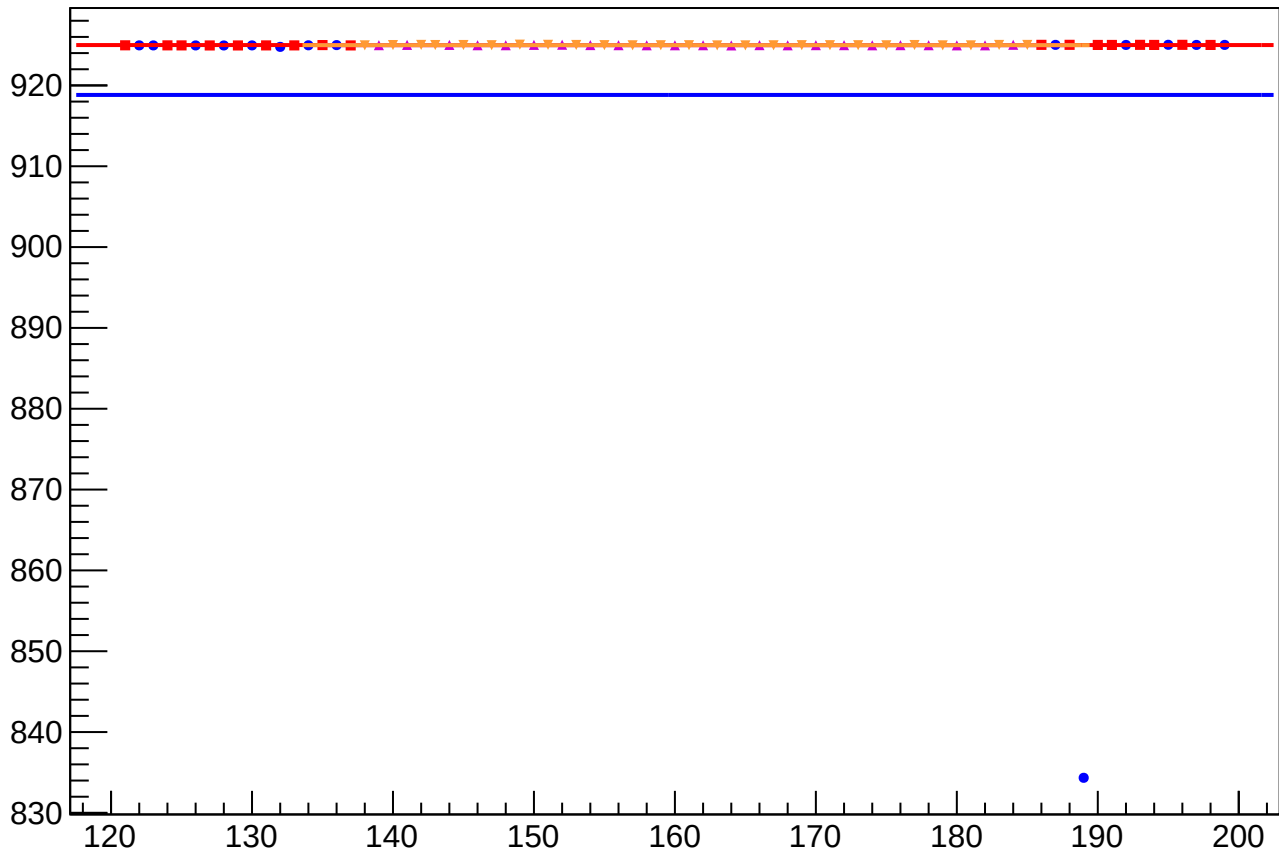
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42257910421777402

All: 0.009+/-0.000 χ^2/NDF : 42670153513747

- sign 0.009+/-0.000 χ^2/NDF : 0.2/39

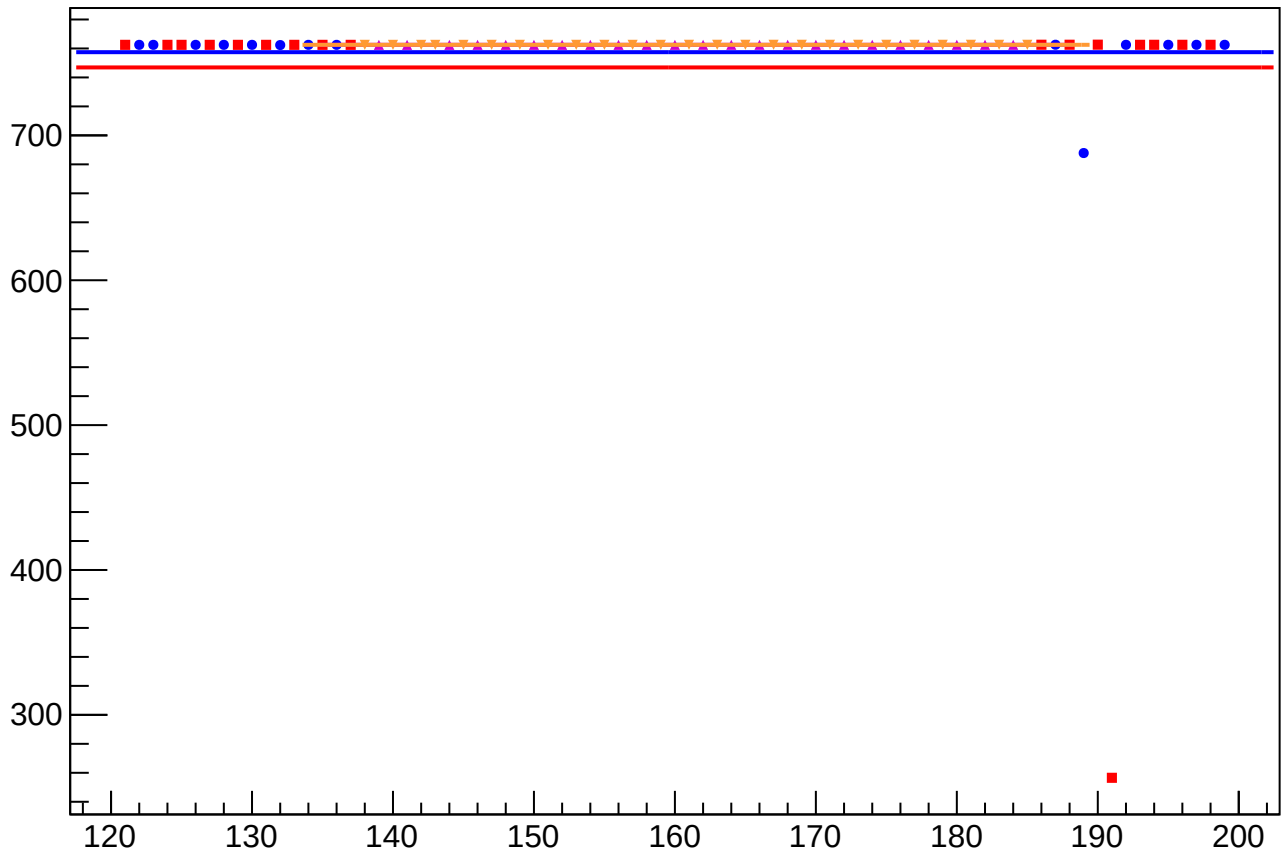
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 918.823+/-0.000 χ^2/NDF : 390522818787791618533520310389440512.0/13
Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
Right Out: 924.994+/-0.000 χ^2/NDF : 770088727856434159191096033280.0/16
Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22

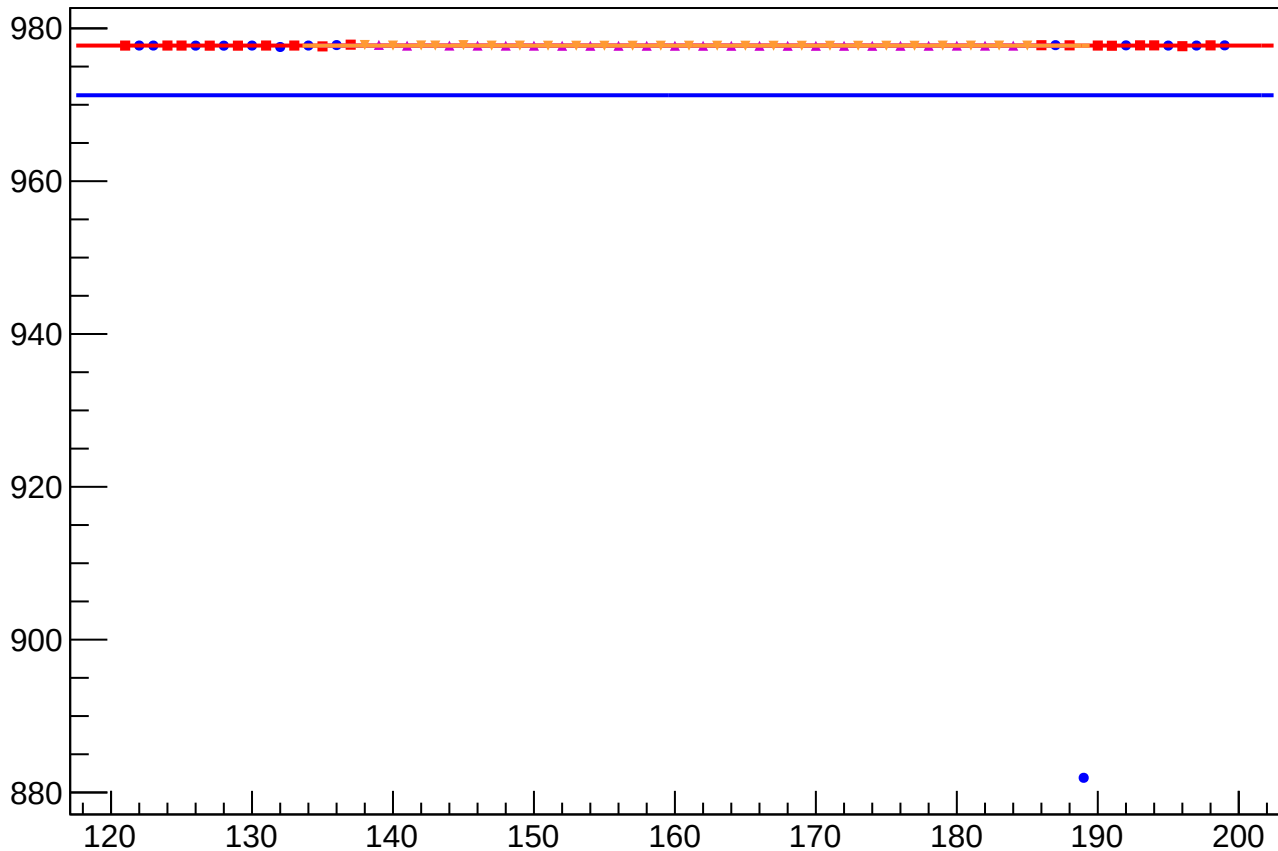
+ sign 923.244+/-0.000 χ^2/NDF : 410974858312006
All: 924.114+/-0.000 χ^2/NDF : 415008214669
- sign 924.986+/-0.000 χ^2/NDF : 172459882993076

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 757.435+/-0.000 χ^2/NDF : 265234076346117557753876802112061440.0/13
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 746.905+/-0.000 χ^2/NDF : 6450828659158880492406919905171996672.0/16
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 759.326+/-0.000 χ^2/NDF : 688657329262.0/16
 + sign 761.084+/-0.000 χ^2/NDF : 279161814560860.0/16
 - sign 757.564+/-0.000 χ^2/NDF : 659094951939763.0/16

HacR_Q3_HP3458A_IOUT_mean vs Slug



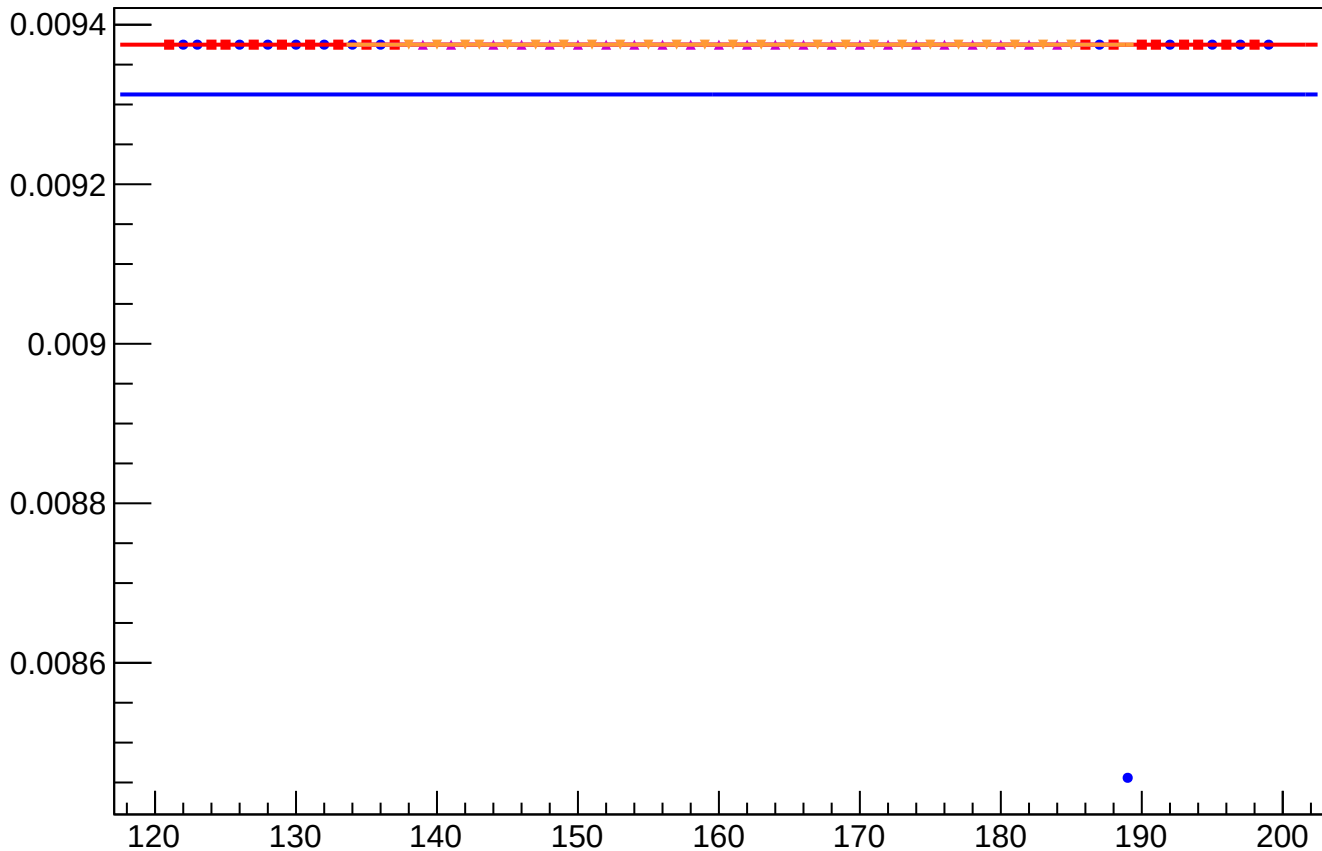
Right In: 971.245 $\pm$ 0.000 χ^2 /NDF: 436576269148420748179436968202993664.0/13

Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24

Right Out: 977.749 $\pm$ 0.000 χ^2 /NDF: 1714419588066728952551155171328.0/16

Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40157853254483334458769408.0/13

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/16

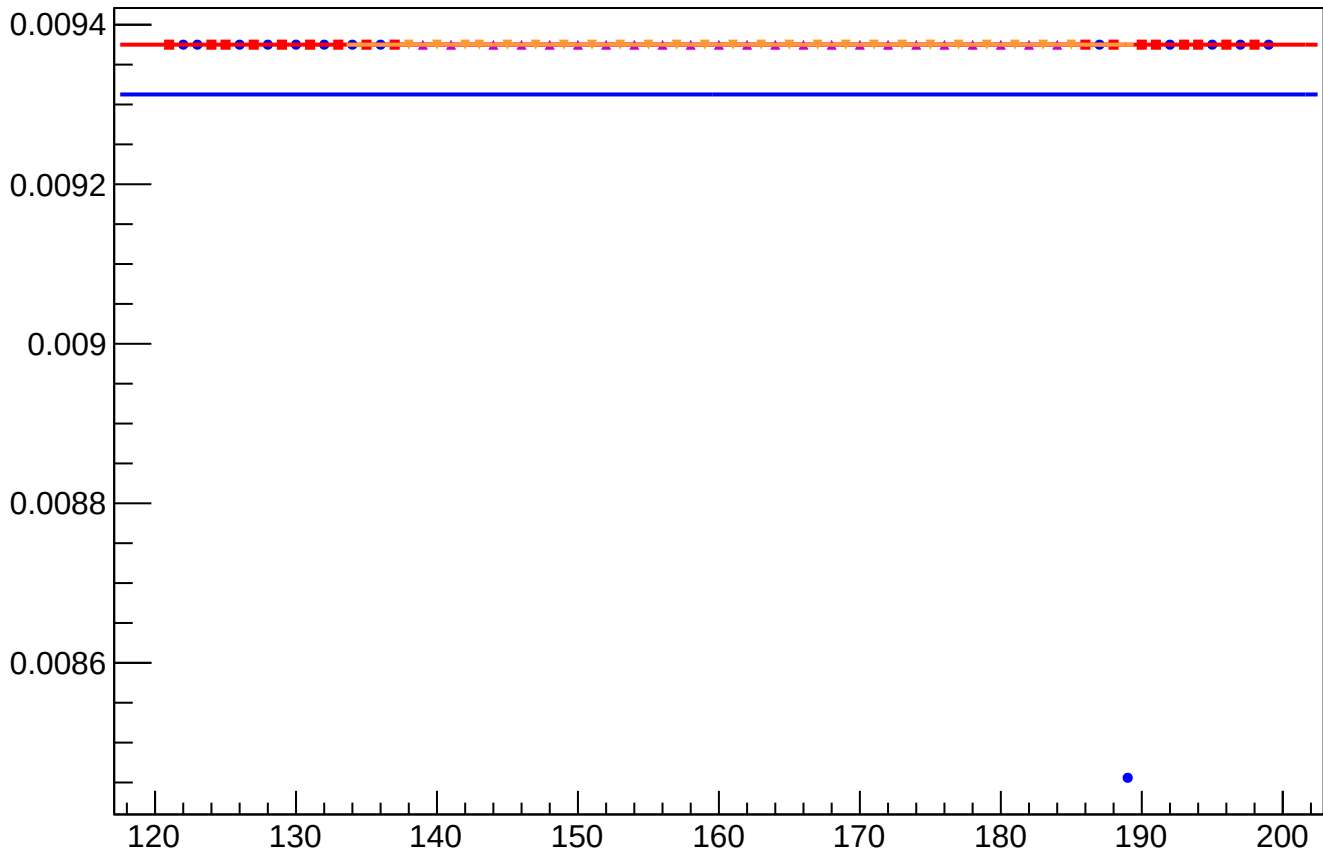
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42257910421777402

All: 0.009+/-0.000 χ^2/NDF : 42670153513747

- sign 0.009+/-0.000 χ^2/NDF : 0.2/39

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40157853254483334458769408.0/13

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/16

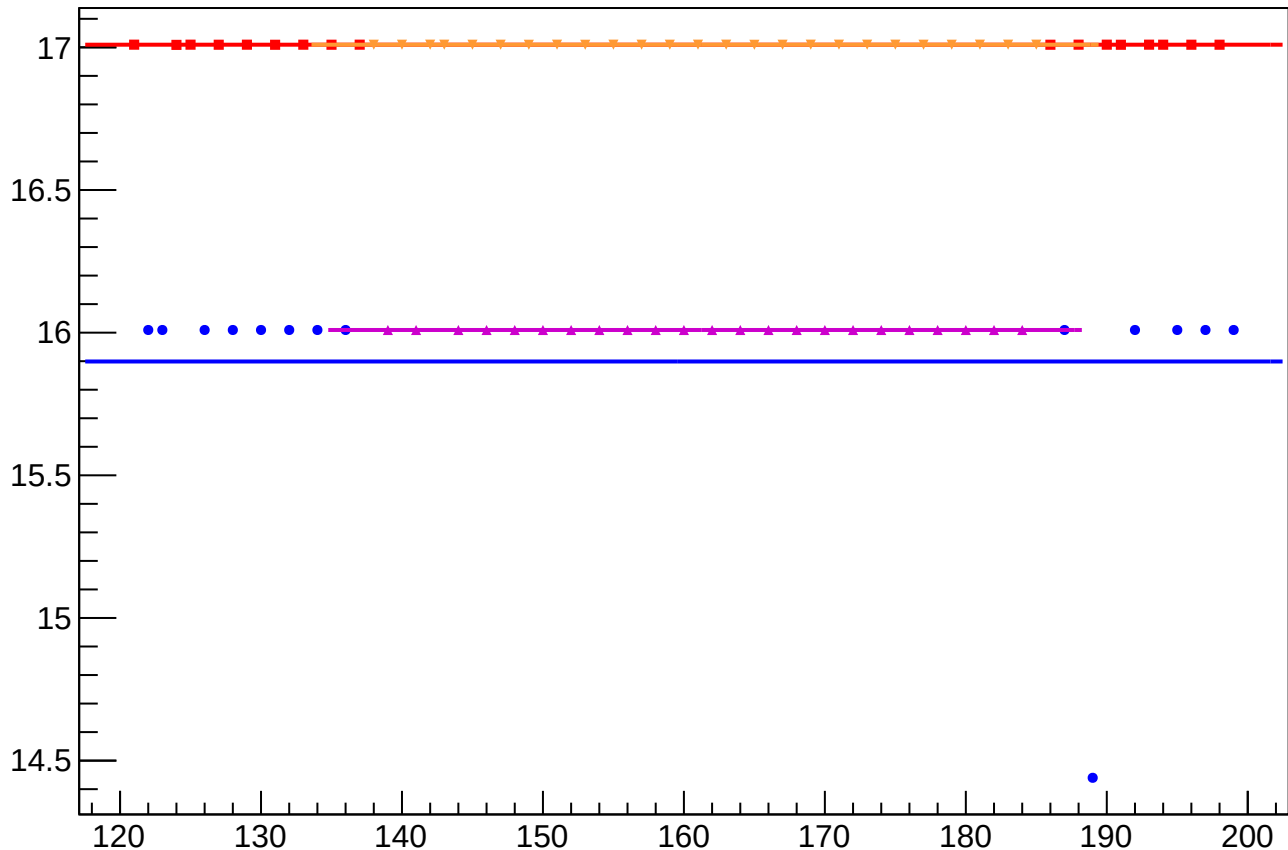
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42257910421777402

All: 0.009+/-0.000 χ^2/NDF : 42670153513747

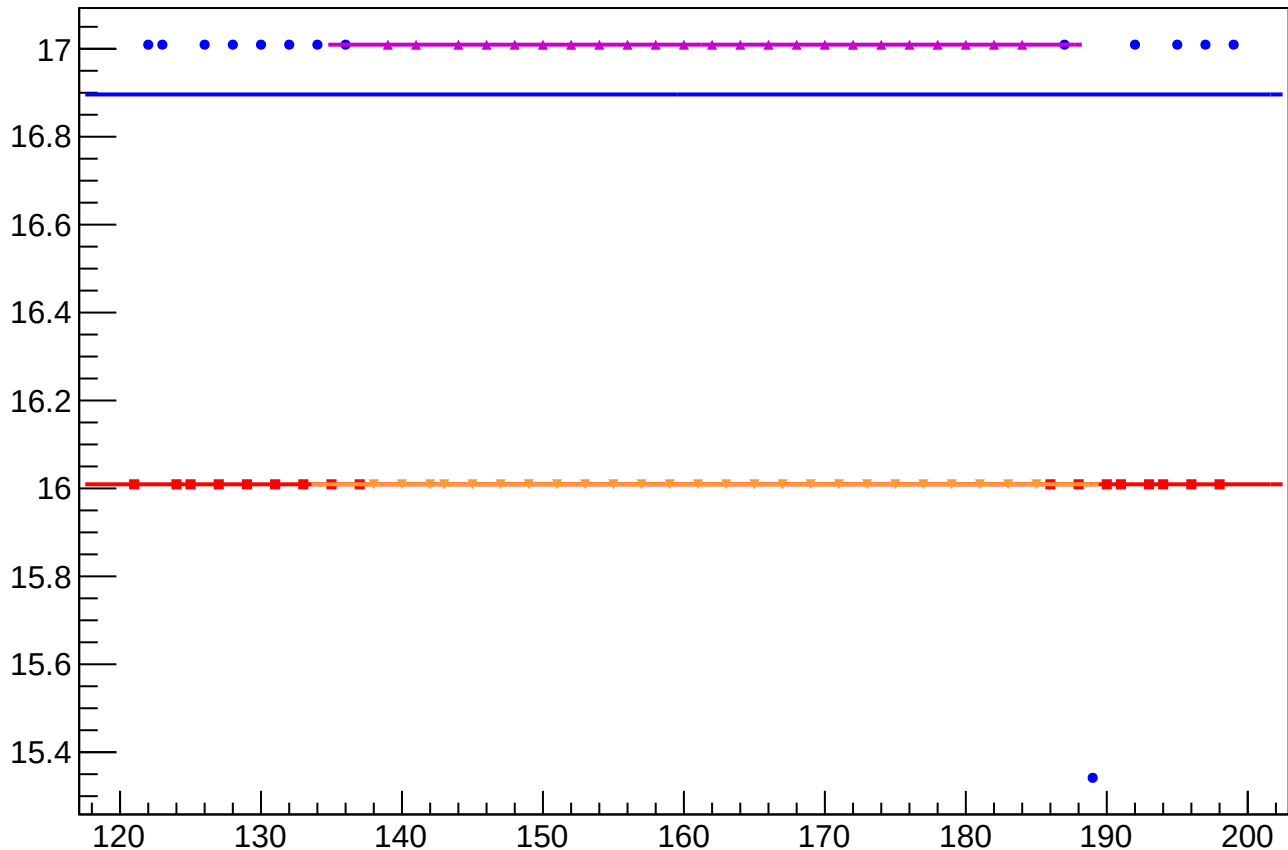
- sign 0.009+/-0.000 χ^2/NDF : 0.2/39

IGL1I00DI24_24M_mean vs Slug



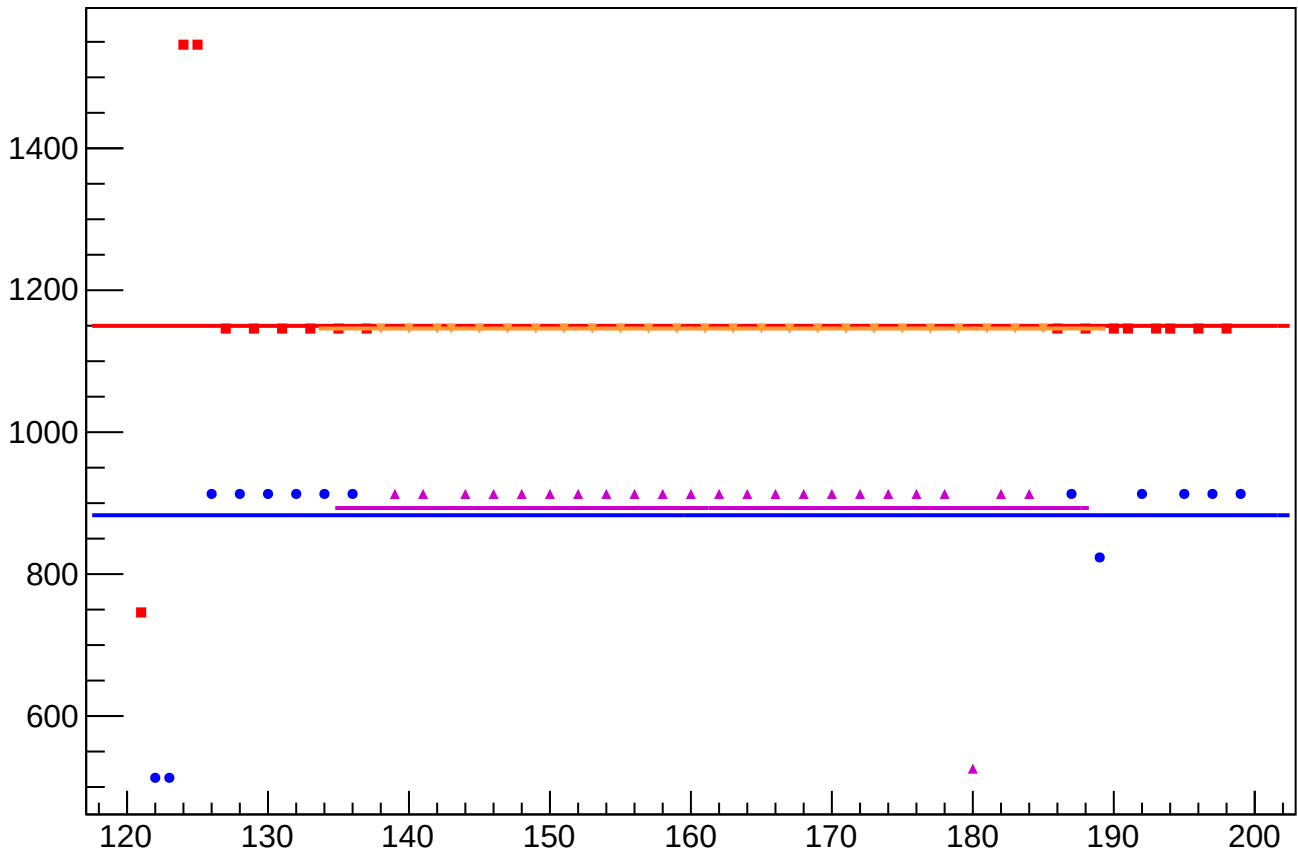
Right In: 15.899±/-0.000 χ^2/NDF : 116799363920405107476710731808768.0/13
 Left Out: 17.009±/-0.000 χ^2/NDF : 26284444608576238643052544.0/24
 Right Out: 17.009±/-0.000 χ^2/NDF : 12551226910925336908660736.0/16
 Left In: 16.009±/-0.000 χ^2/NDF : 127973174512756677672960.0/22

IGL1I00OD16_16_mean vs Slug



Right In: 16.896 $\pm$ 0.000 χ^2/NDF : 132191839980310322447136424198144.0/13
 Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 89740.8/24
 Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 196584.1/16
 Left In: 17.009 $\pm$ 0.000 χ^2/NDF : 115033472633445654986752.0/22

RTPAPOSUCNT_mean vs Slug



Right In: 882.948+/-0.000 χ^2/NDF : 6930695119439194472263479656368308224.0/13

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

Right Out: 1149.810+/-0.000 χ^2/NDF : 13748505263405370759247925289144025088.0/16

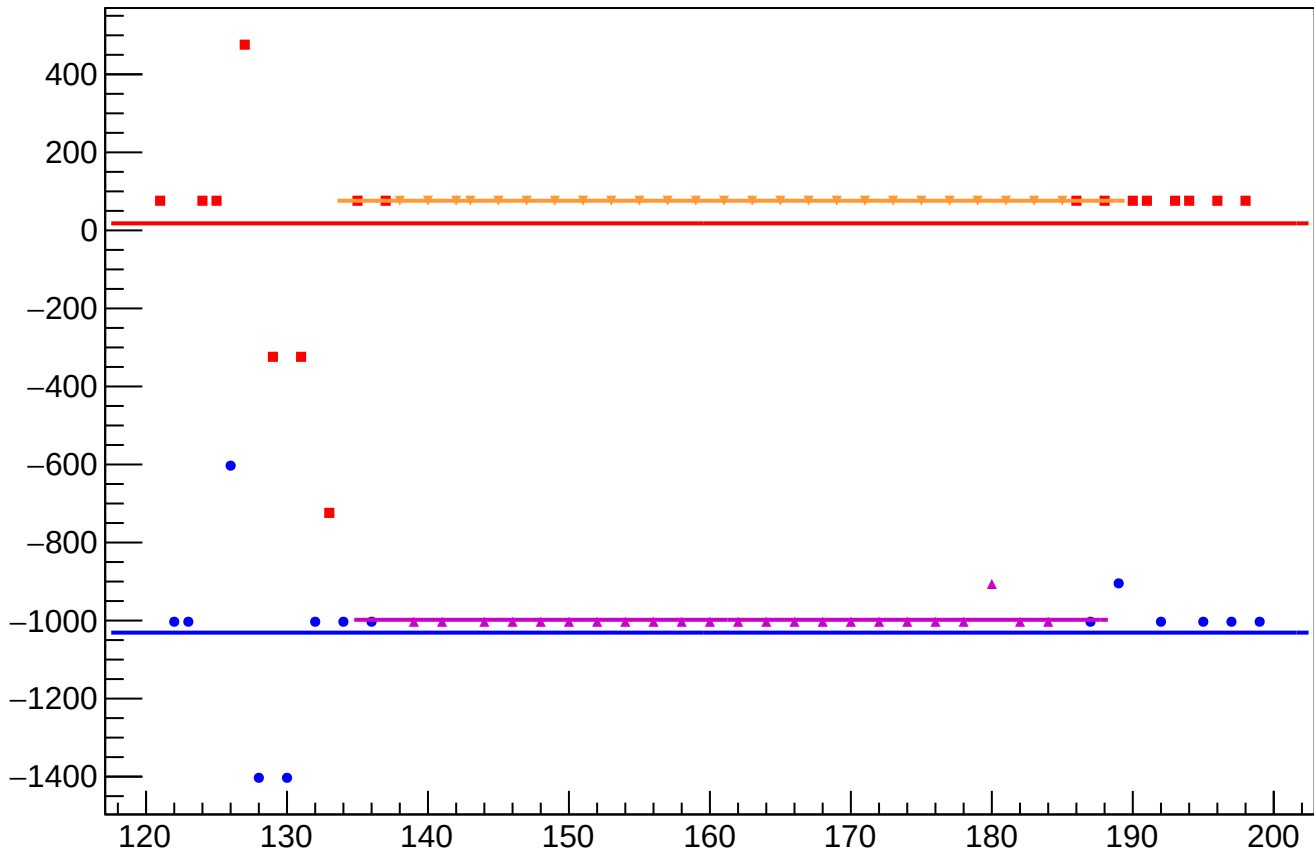
Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

+ sign 1071.768+/-0.000 χ^2/NDF : 44234124778900

All: 1023.250+/-0.000 χ^2/NDF : 12162207469

- sign 974.585+/-0.000 χ^2/NDF : 648408794623775

RTPAPOSVCNT_mean vs Slug



Right In: -1030.932 ± 0.000 χ^2/NDF : 23106385924888050694275359873739784192.0/13
 Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: 18.053 ± 0.000 χ^2/NDF : 44211382504876243542780007001058443264.0/16
 Left In: -998.020 ± 0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22
 All: -455.639 ± 0.000 χ^2/NDF : 15782480729
 + sign -236.396 ± 0.000 χ^2/NDF : 68361624330078
 - sign -675.542 ± 0.000 χ^2/NDF : 638431506183420