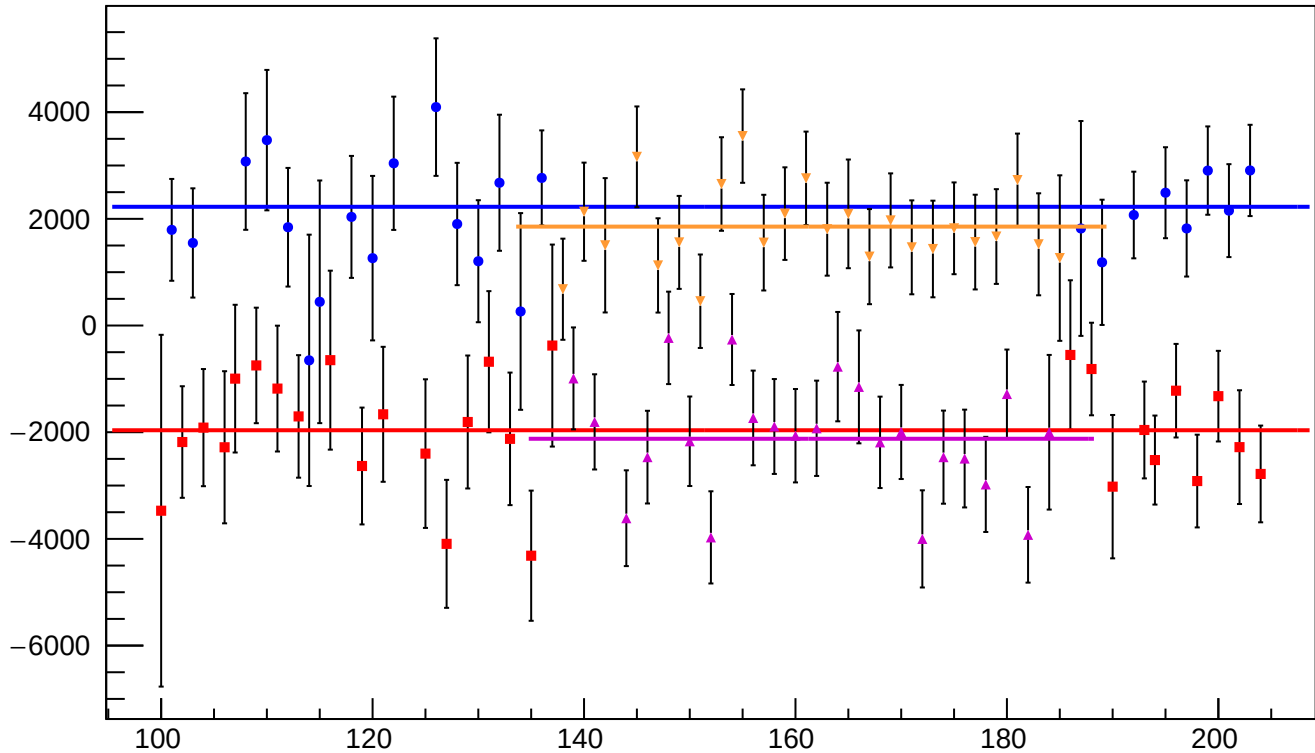


reg_asym_us_avg_mean vs Slug



Right In: 2225.908 $\pm$ 224.870

χ^2 /NDF: 12.1/23

Left Out: 1854.267 $\pm$ 187.405

χ^2 /NDF: 15.1/23

Right Out: -1963.304 $\pm$ 212.423

χ^2 /NDF: 19.4/27

Left In: -2123.138 $\pm$ 188.684

χ^2 /NDF: 32.0/22

+ sign 2006.592 $\pm$ 143.965

χ^2 /NDF: 28.9/47

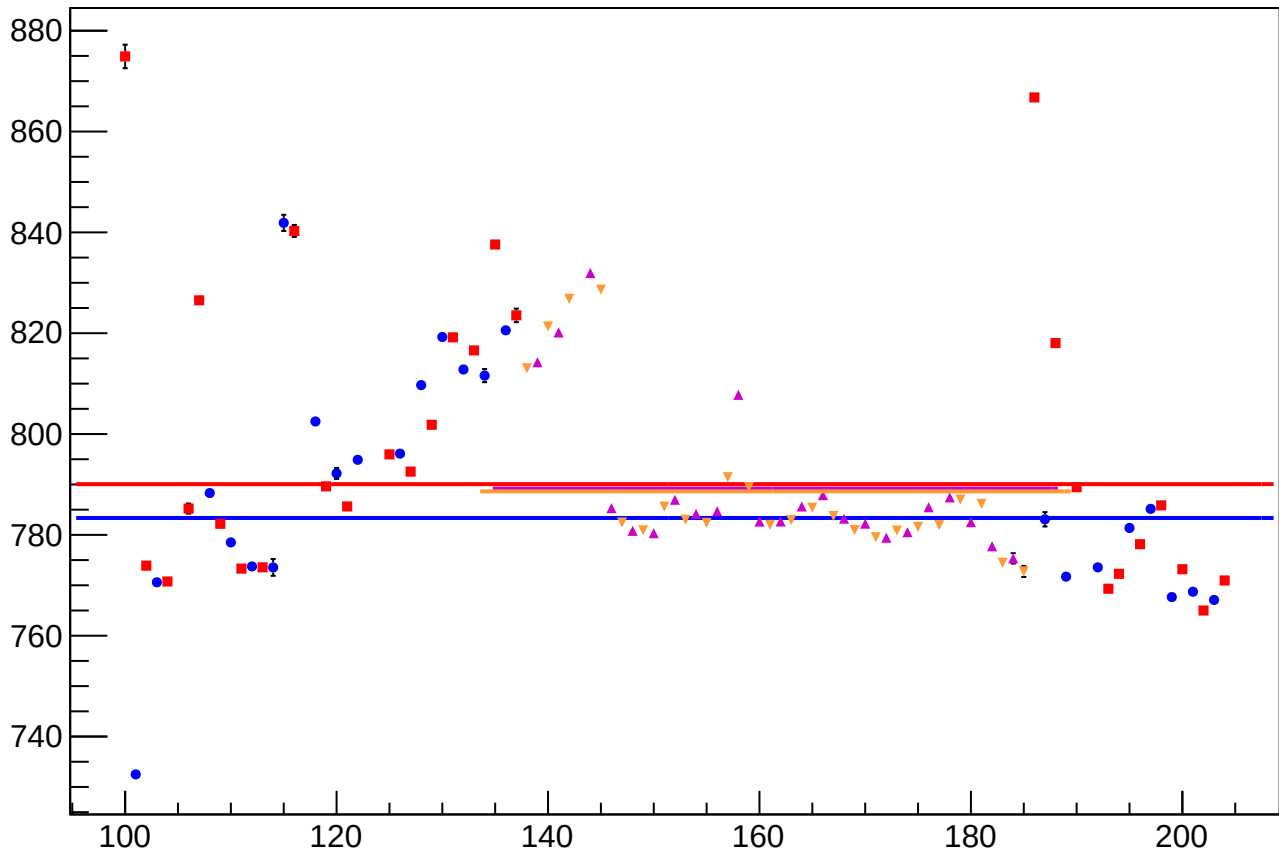
All: -64.258 $\pm$ 100.759

χ^2 /NDF: 486.2/98

- sign -2052.648 $\pm$ 141.069

χ^2 /NDF: 51.8/50

reg_asym_us_avg_rms vs Slug



Right In: 783.353 $\pm$ 0.159 χ^2 /NDF: 19109.2/23

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

Right Out: 790.064 $\pm$ 0.150 χ^2 /NDF: 25564.3/27

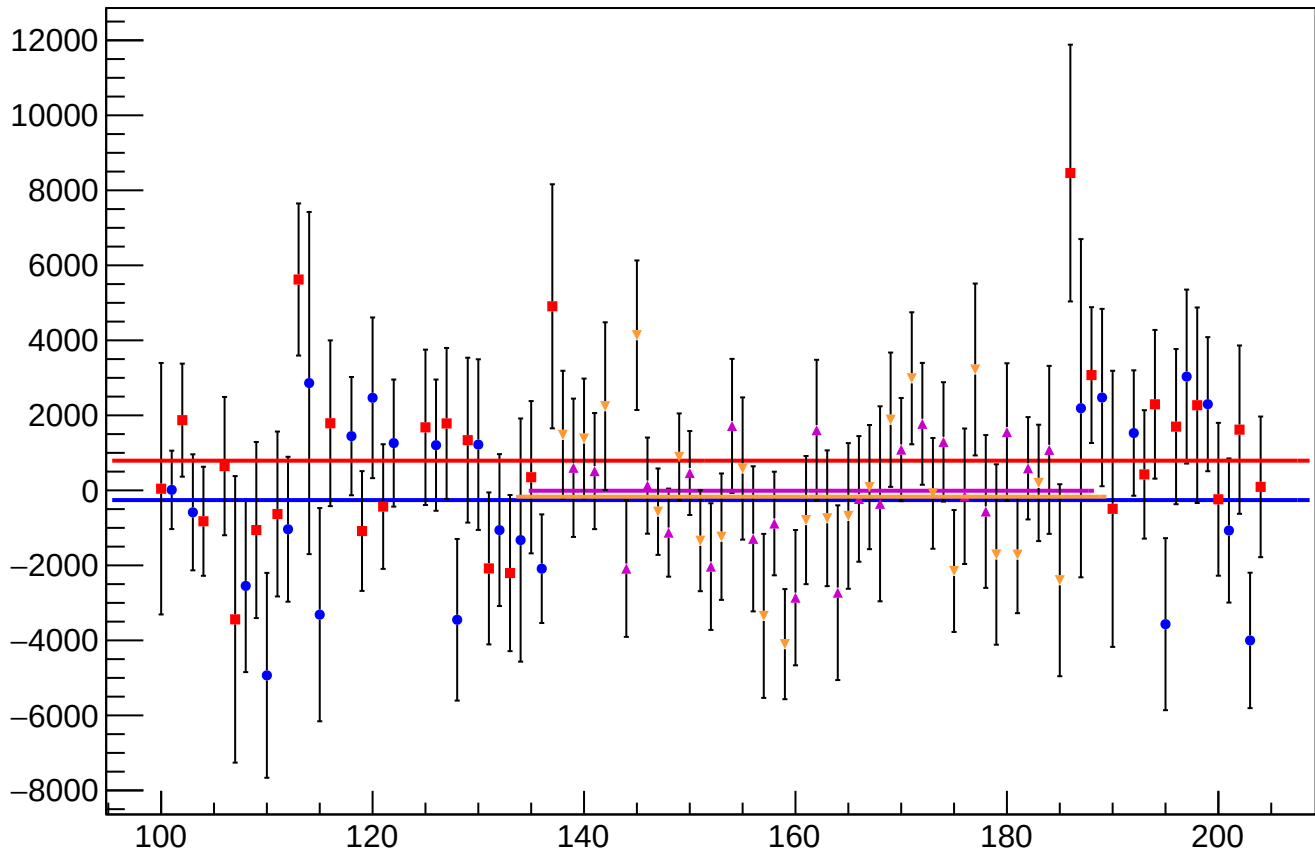
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF: 11343.2/22

+ sign 786.467 $\pm$ 0.102 χ^2 /NDF: 31237.1/47

All: 788.051 $\pm$ 0.071 χ^2 /NDF: 68638.7/98

- sign 789.572 $\pm$ 0.100 χ^2 /NDF: 36926.7/50

asym_us_avg_correction_mean vs Slug



Right In: -259.159 ± 393.203 χ^2/NDF : 28.0/23

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

Right Out: 791.496 ± 388.711 χ^2/NDF : 26.5/27

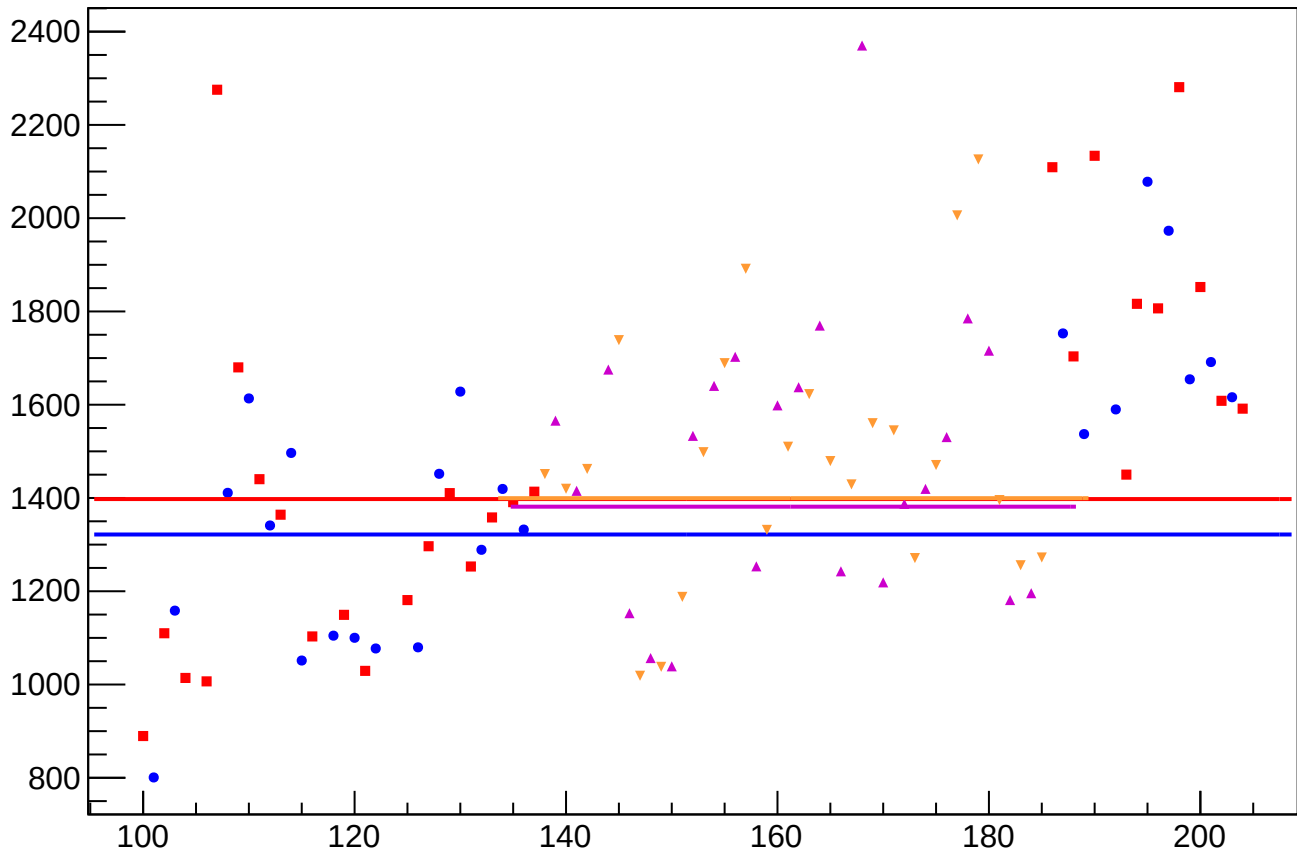
Left In: -10.093 ± 337.810 χ^2/NDF : 14.2/22

+ sign -207.721 ± 257.354 χ^2/NDF : 58.0/47

All: 66.064 ± 181.131 χ^2/NDF : 103.4/98

- sign 334.815 ± 254.978 χ^2/NDF : 43.1/50

asym_us_avg_correction_rms vs Slug



Right In: 1321.704+/-0.278 χ^2/NDF : 1409499.5/23

Left Out: 1399.587+/-0.241 χ^2/NDF :1119125.1/23

Right Out: 1397.686+/-0.275 χ^2/NDF : 1464780.6/27

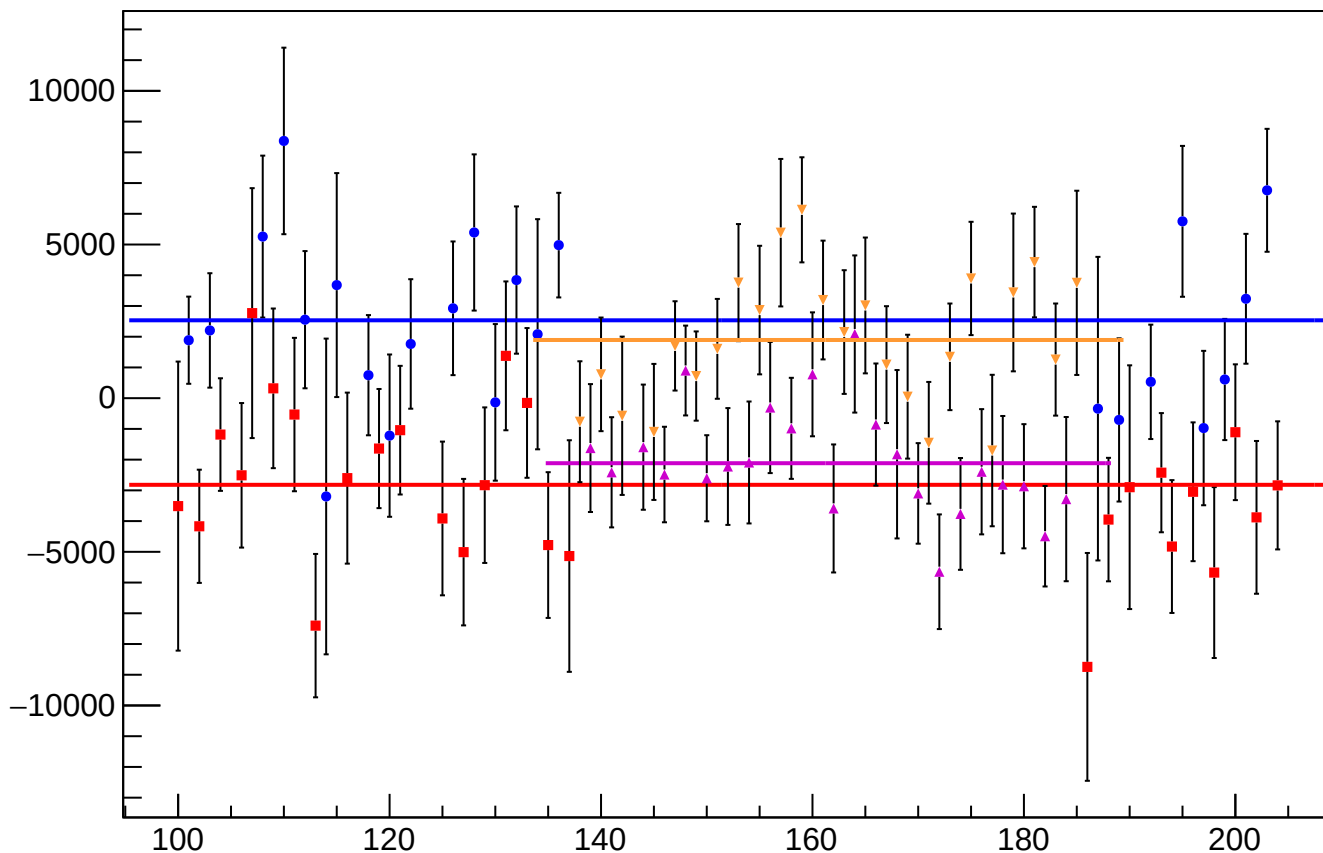
Left In: 1381.359+/-0.239 χ^2/NDF :1276488.2/22

+ sign 1366.223+/-0.182 χ^2/NDF : 2573476.7/47

All: 1377.406+/-0.128 χ^2/NDF : 5324239.5/98

- sign 1388.384+/-0.180 χ^2/NDF : 2743279.1/50

asym_us_avg_mean vs Slug



Right In: 2533.830 $\pm$ 465.234 χ^2 /NDF: 26.3/23

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

Right Out: -2819.356 $\pm$ 453.572 χ^2 /NDF: 22.4/27

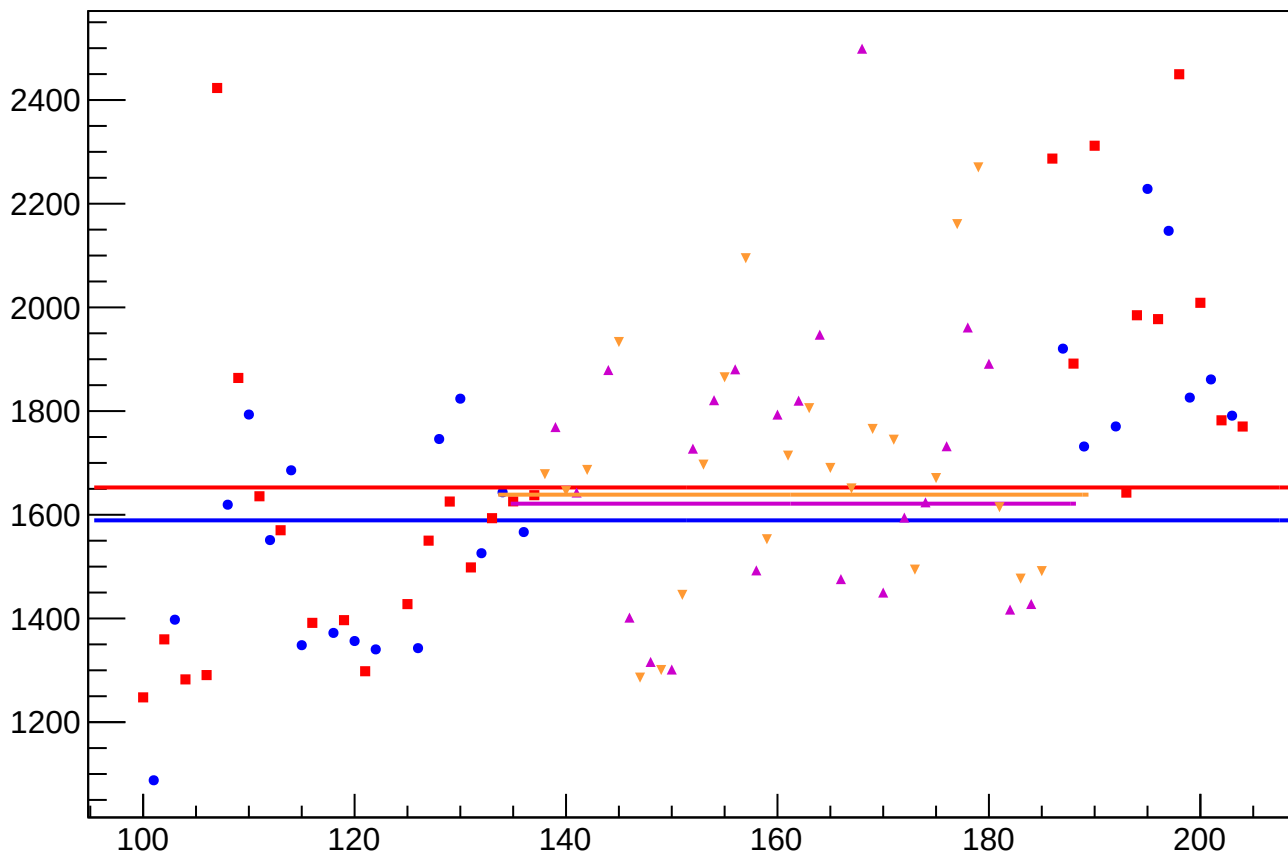
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 2161.616 $\pm$ 301.055 χ^2 /NDF: 53.3/47

All: -158.953 $\pm$ 211.435 χ^2 /NDF: 213.2/98

- sign -2417.671 $\pm$ 297.015 χ^2 /NDF: 42.6/50

asym_us_avg_rms vs Slug



Right In: 1589.233+/-0.329 χ^2/NDF : 761416.6/23

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

Right Out: 1652.679+/-0.321 χ^2/NDF : 880448.4/27

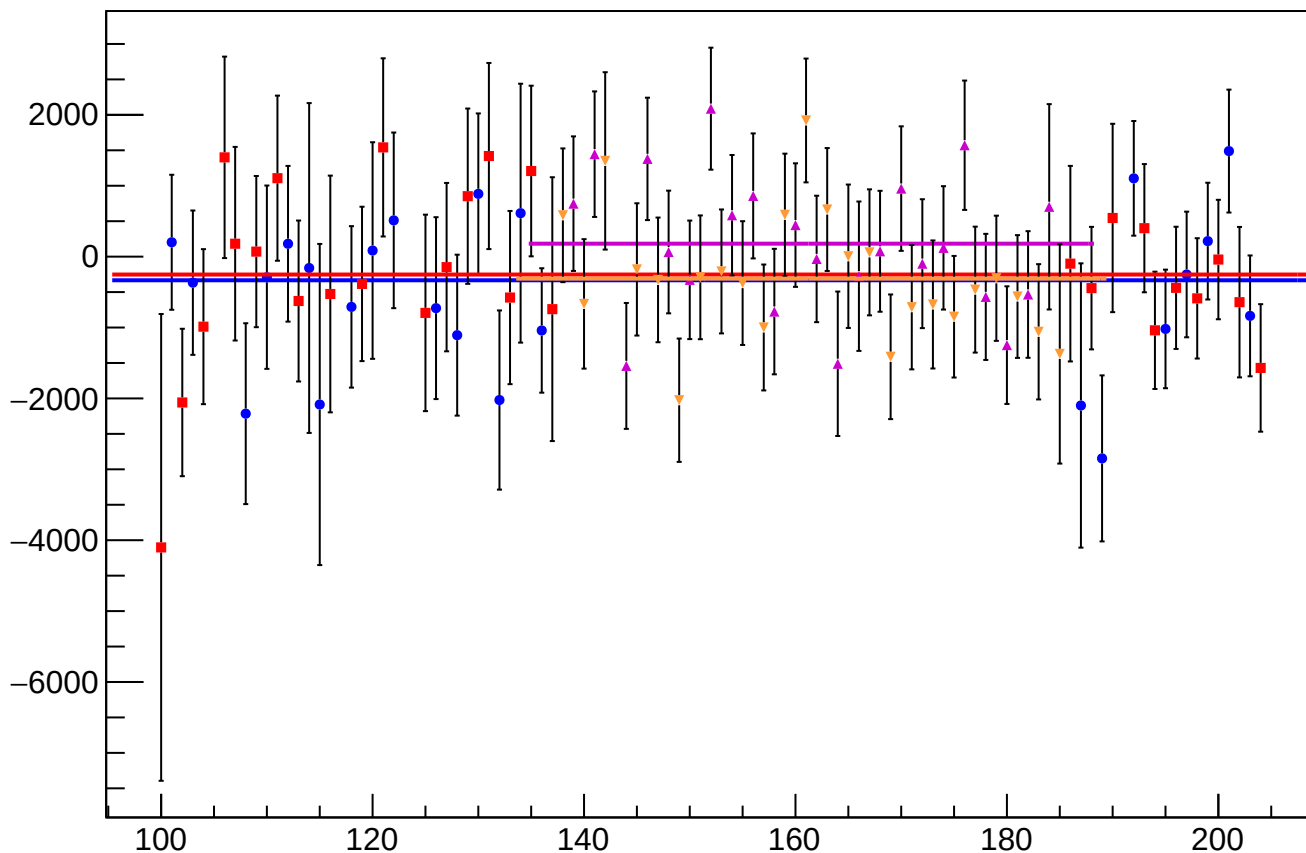
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1618.048+/-0.213 χ^2/NDF : 1446522.4/47

All: 1626.548+/-0.150 χ^2/NDF : 3110854.0/98

- sign 1634.822+/-0.210 χ^2/NDF : 1661185.2/50

reg_asym_us_dd_mean vs Slug



Right In: -333.404 $\pm$ 222.948 χ^2 /NDF: 22.8/23

Left Out: -310.563 $\pm$ 186.538 χ^2 /NDF:20.0/23

Right Out: -252.497 $\pm$ 210.307 χ^2 /NDF: 18.5/27

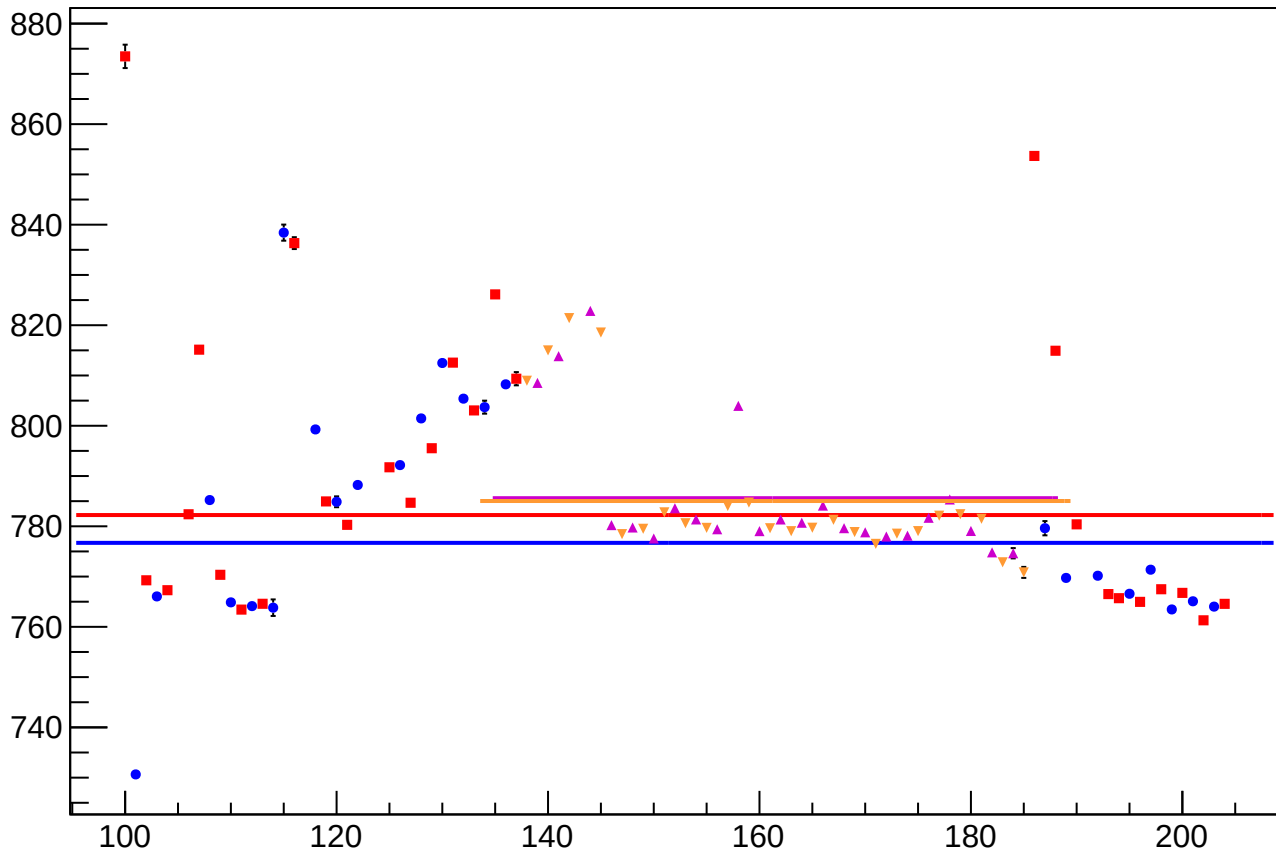
Left In: 182.895 $\pm$ 187.817 χ^2 /NDF:26.1/22

+ sign -319.968 $\pm$ 143.066 χ^2 /NDF: 42.9/47

All: -161.867 $\pm$ 100.093 χ^2 /NDF: 92.3/98

- sign -10.284 $\pm$ 140.086 χ^2 /NDF: 47.0/50

reg_asym_us_dd_rms vs Slug



Right In: 776.707 $\pm$ 0.158 χ^2 /NDF: 17153.8/23

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

Right Out: 782.238 $\pm$ 0.149 χ^2 /NDF: 25086.5/27

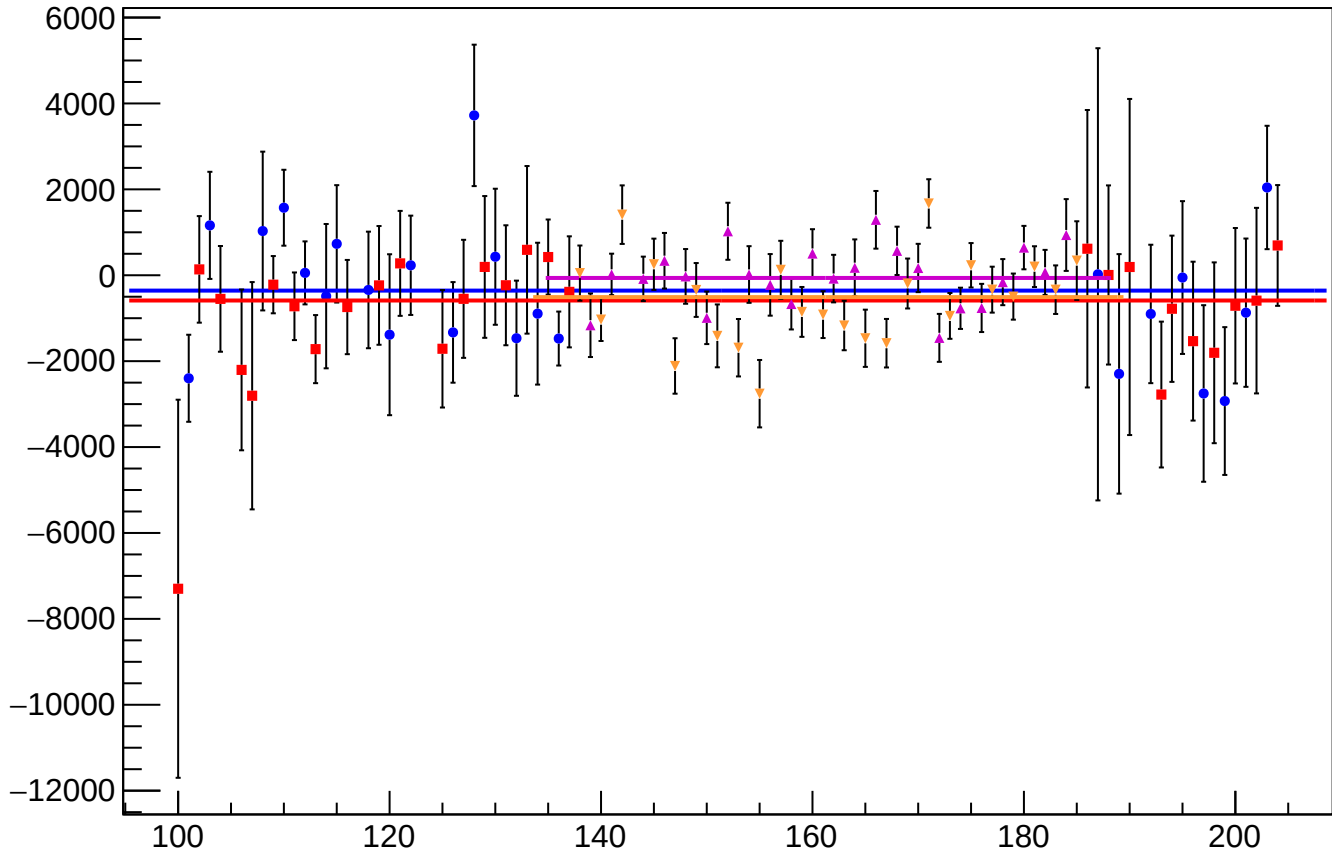
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 781.603 $\pm$ 0.101 χ^2 /NDF: 28161.7/47

All: 782.880 $\pm$ 0.071 χ^2 /NDF: 63216.9/98

- sign 784.104 $\pm$ 0.099 χ^2 /NDF: 34743.2/50

asym_us_dd_correction_mean vs Slug



Right In: -357.379+/-260.554 χ^2/NDF : 30.5/23

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

Right Out: -587.842+/-249.899 χ^2/NDF : 13.1/27

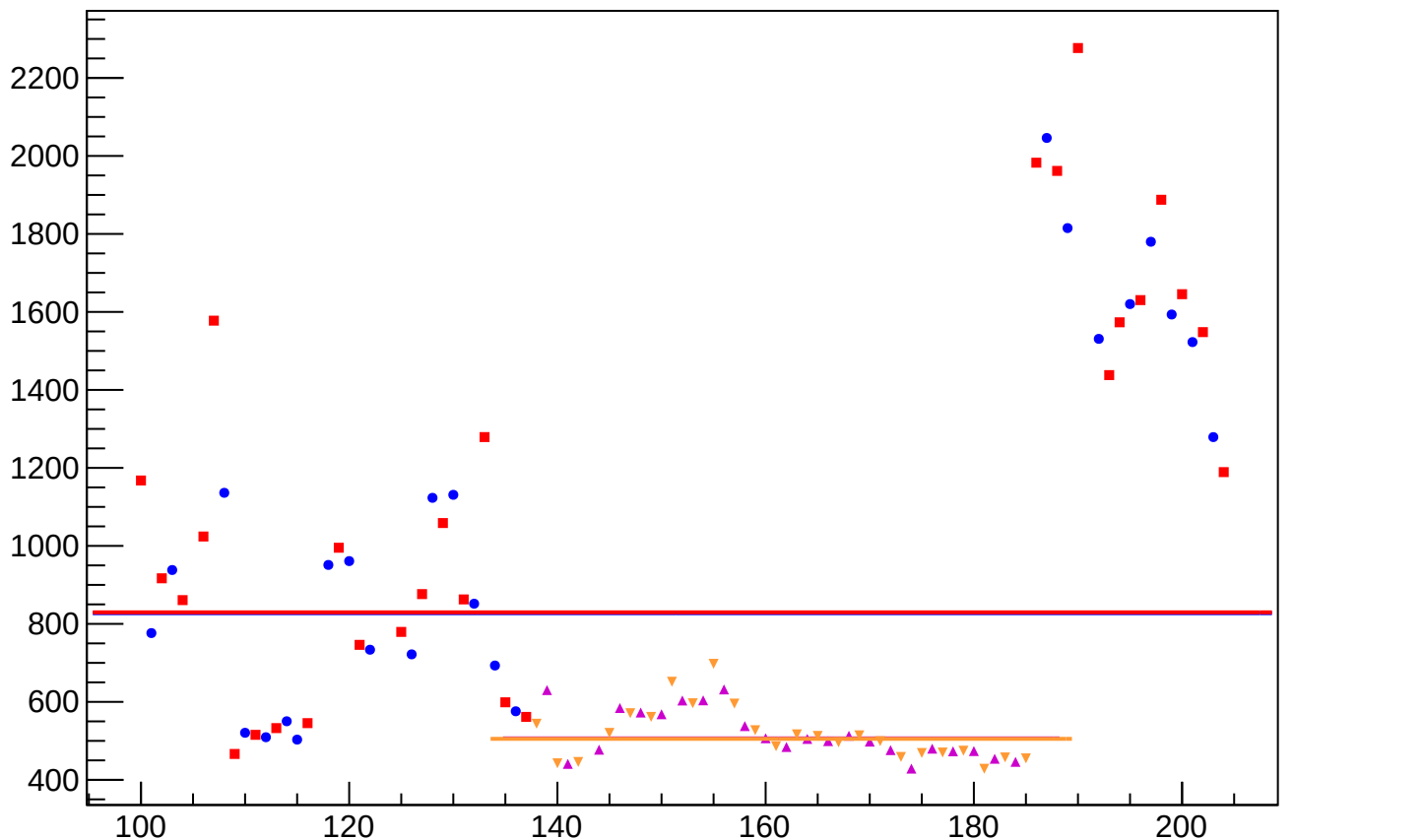
Left In: -62.768+/-122.045 χ^2/NDF : 28.8/22

+ sign -482.288+/-109.885 χ^2/NDF : 91.3/47

All: -322.769+/-77.623 χ^2/NDF : 141.0/98

- sign -163.887+/-109.666 χ^2/NDF : 45.5/50

asym_us_dd_correction_rms vs Slug



Right In: 827.428 $\pm$ 0.184 χ^2 /NDF: 3873805.7/23

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

Right Out: 829.621 $\pm$ 0.177 χ^2 /NDF: 5341054.9/27

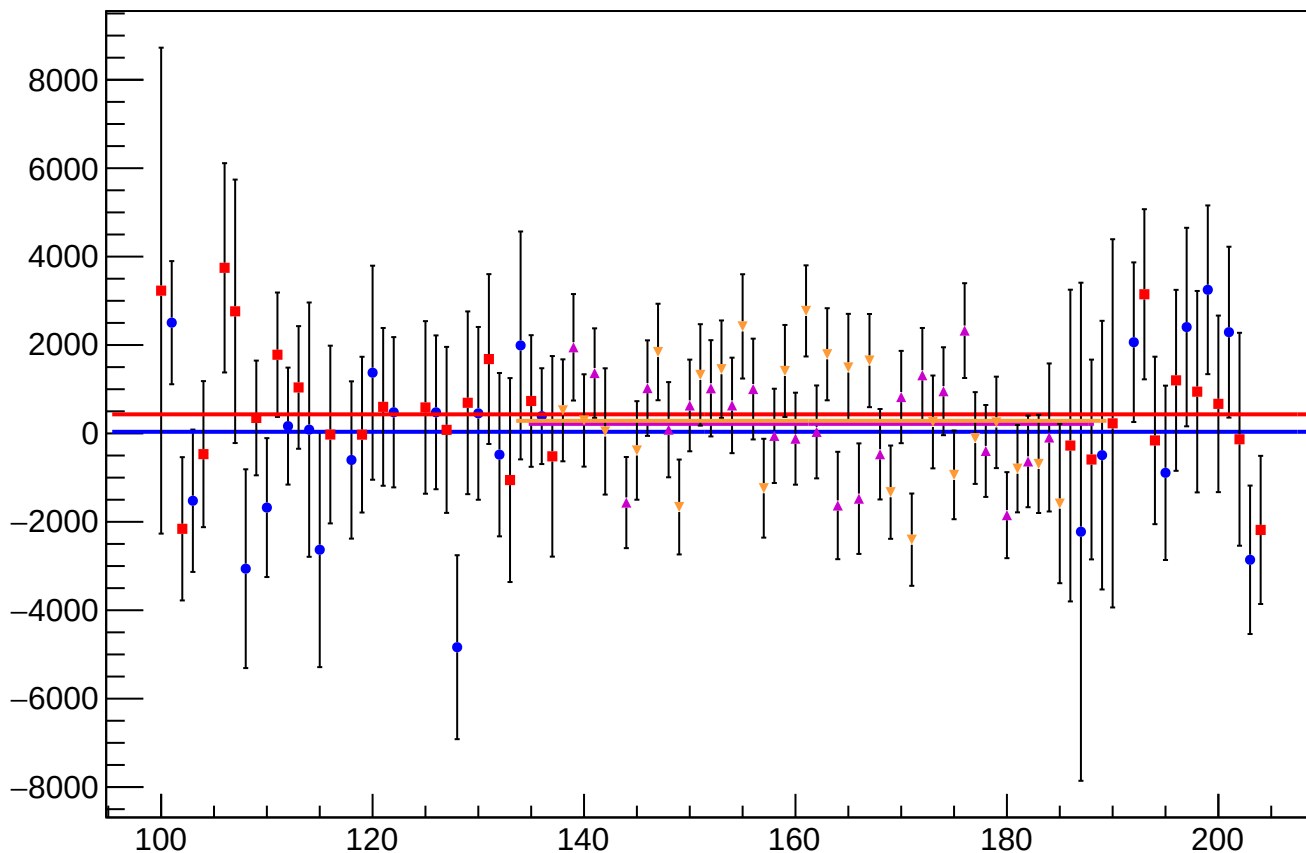
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF: 436294.4/22

+ sign 562.529 $\pm$ 0.078 χ^2 /NDF: 6873889.4/47

All: 565.586 $\pm$ 0.055 χ^2 /NDF: 15356122.7/98

- sign 568.630 $\pm$ 0.078 χ^2 /NDF: 8479143.9/50

asym_us_dd_mean vs Slug



Right In: 36.869 $\pm$ 375.634 χ^2 /NDF: 25.0/23

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

Right Out: 431.624 $\pm$ 363.913 χ^2 /NDF: 13.1/27

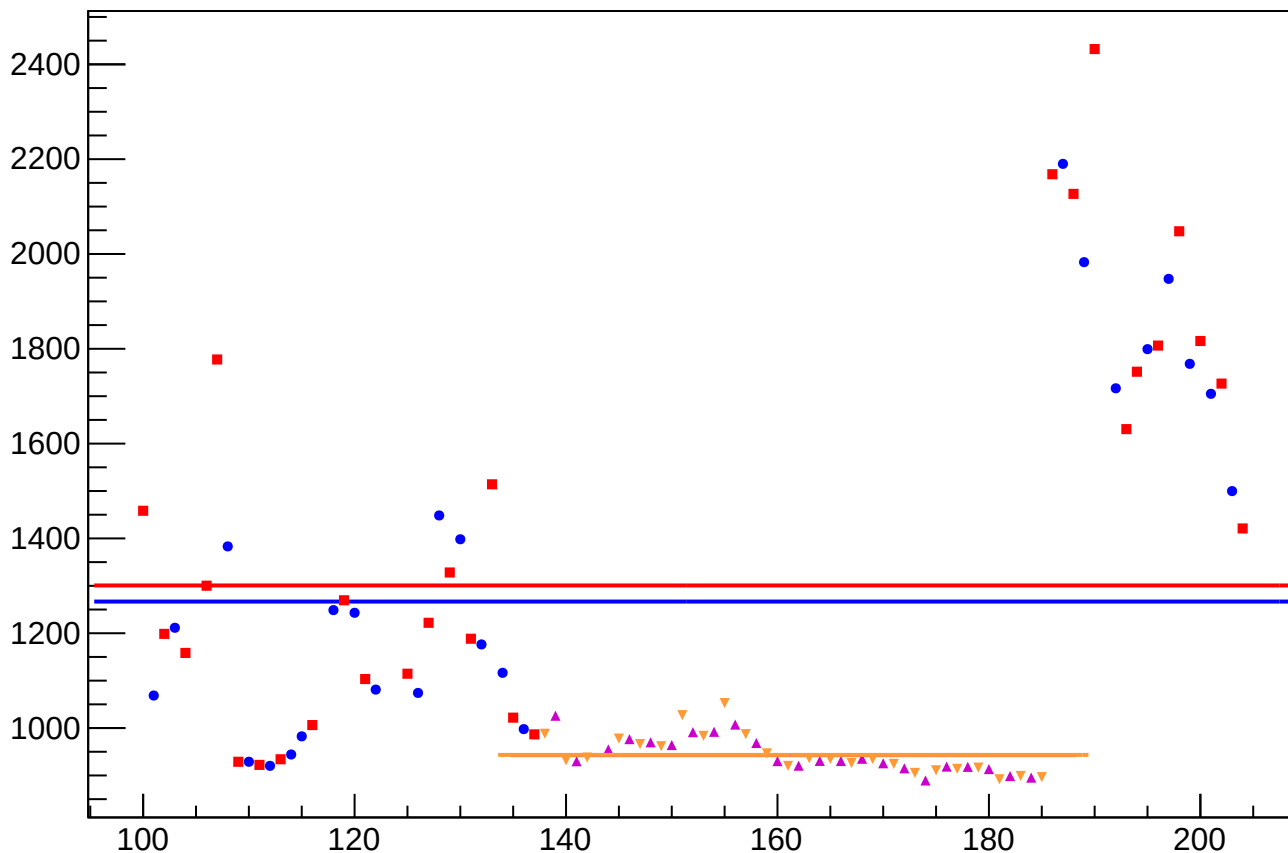
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 219.855 $\pm$ 192.629 χ^2 /NDF: 63.6/47

All: 248.031 $\pm$ 135.895 χ^2 /NDF: 101.4/98

- sign 275.949 $\pm$ 191.744 χ^2 /NDF: 37.7/50

asym_us_dd_rms vs Slug



Right In: 1266.825+/-0.266 χ^2/NDF : 1431775.4/23

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

Right Out: 1300.780+/-0.257 χ^2/NDF : 1998257.8/27

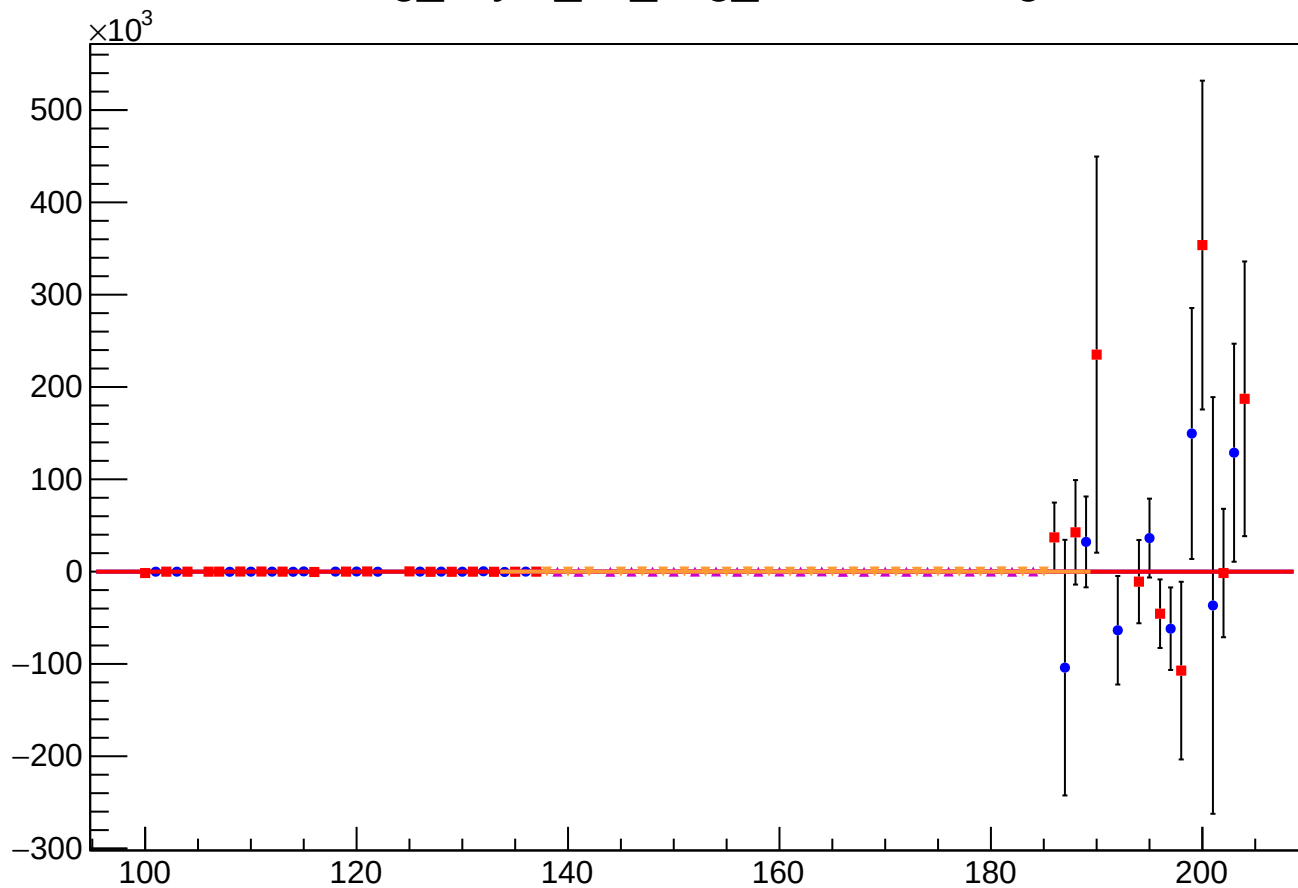
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1028.416+/-0.136 χ^2/NDF : 2585246.4/47

All: 1035.377+/-0.096 χ^2/NDF : 6034154.4/96

- sign 1042.274+/-0.136 χ^2/NDF : 3443708.7/50

reg_asym_ds_avg_mean vs Slug



Right In: -15.556 ± 30.032 χ^2/NDF : 23.2/23

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

Right Out: -31.741 ± 30.492 χ^2/NDF : 27.9/26

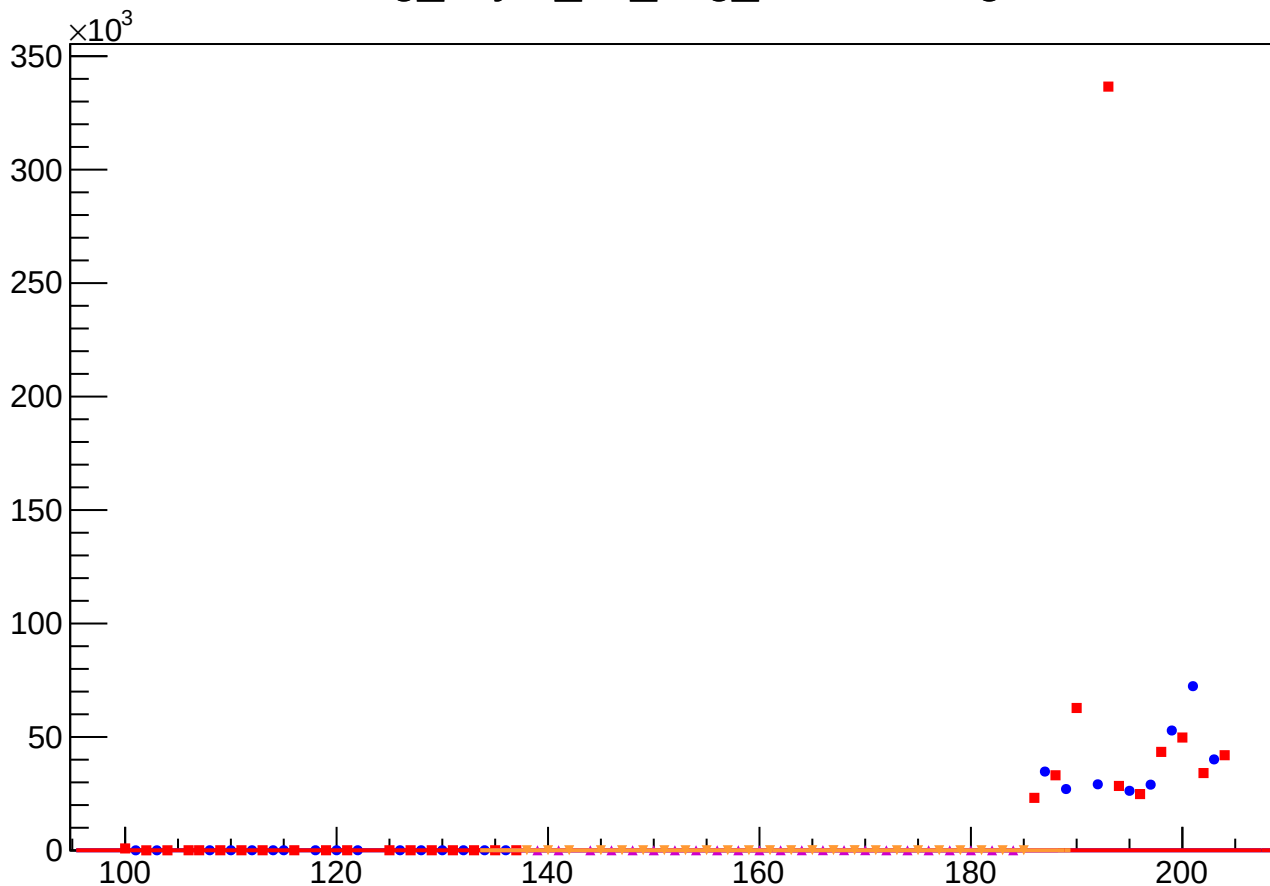
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.805 ± 17.464 χ^2/NDF : 45.9/47

All: 0.905 ± 12.403 χ^2/NDF : 98.5/97

- sign 4.680 ± 17.617 χ^2/NDF : 52.5/49

reg_asym_ds_avg_rms vs Slug



Right In: 76.106 $\pm$ 0.021 χ^2 /NDF: 4066136.9/23

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

Right Out: 79.442 $\pm$ 0.022 χ^2 /NDF: 5003925.8/27

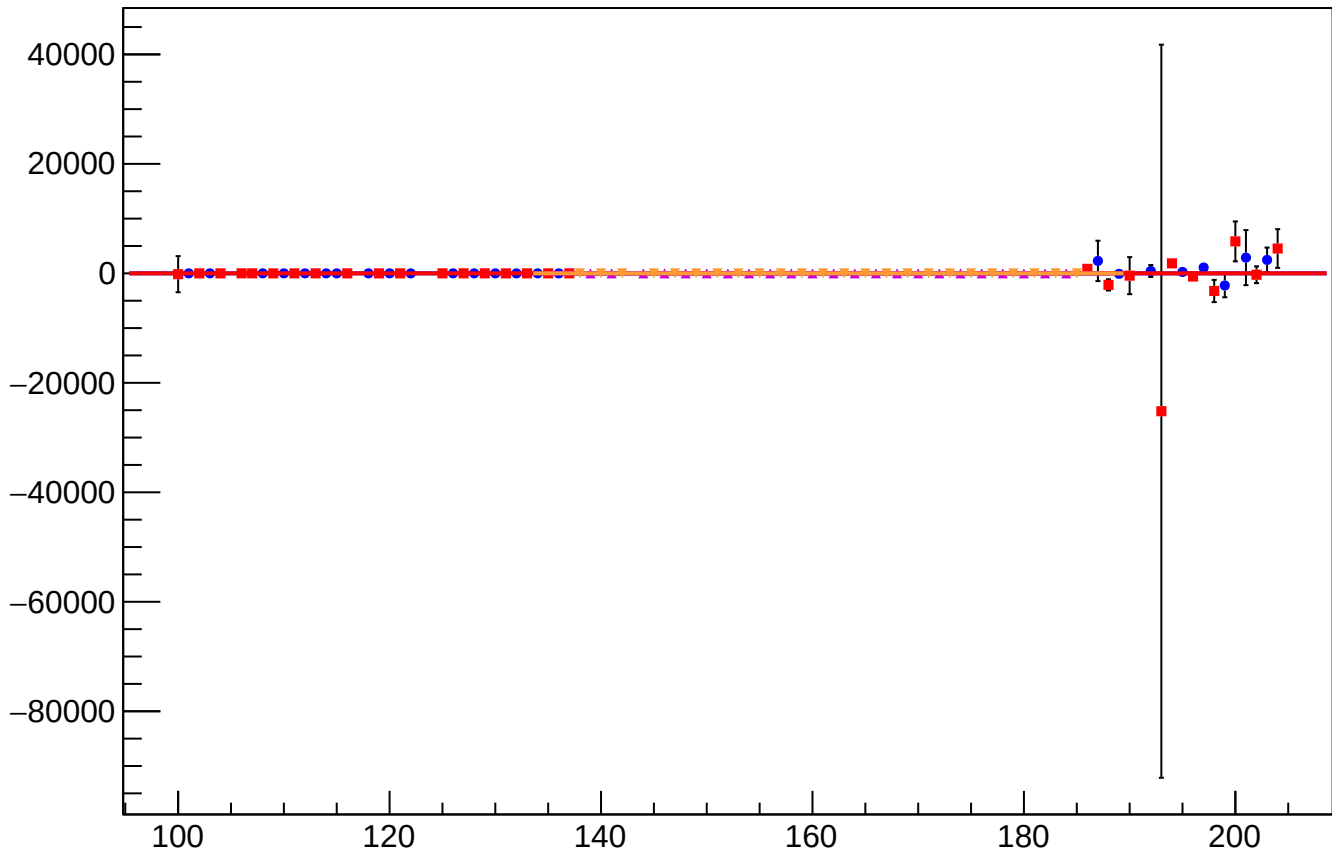
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.098 $\pm$ 0.012 χ^2 /NDF: 4803306.3/47

All: 85.647 $\pm$ 0.009 χ^2 /NDF: 10467475.9/98

- sign 86.206 $\pm$ 0.012 χ^2 /NDF: 5660177.6/50

asym_ds_avg_correction_mean vs Slug



Right In: -0.289+/-0.502 χ^2 /NDF: 25.5/23

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

Right Out: -0.038+/-0.525 χ^2 /NDF: 27.0/27

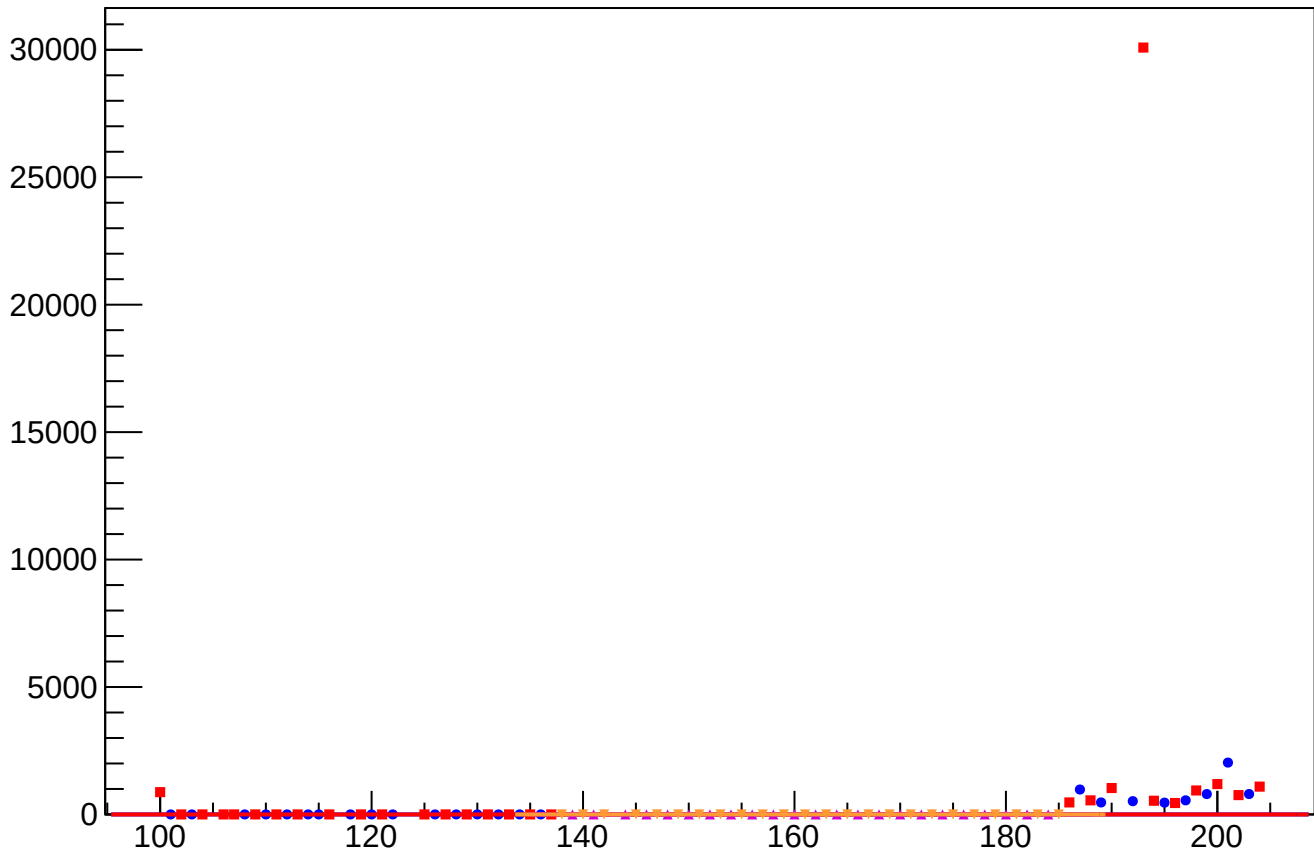
Left In: 0.519+/-0.387 χ^2 /NDF:26.3/22

+ sign -0.024+/-0.301 χ^2 /NDF: 47.3/47

All: 0.144+/-0.217 χ^2 /NDF: 102.0/98

- sign 0.323+/-0.312 χ^2 /NDF: 54.1/50

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 3863219.3/23

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

Right Out: 1.260+/-0.000 χ^2/NDF : 5185773.9/27

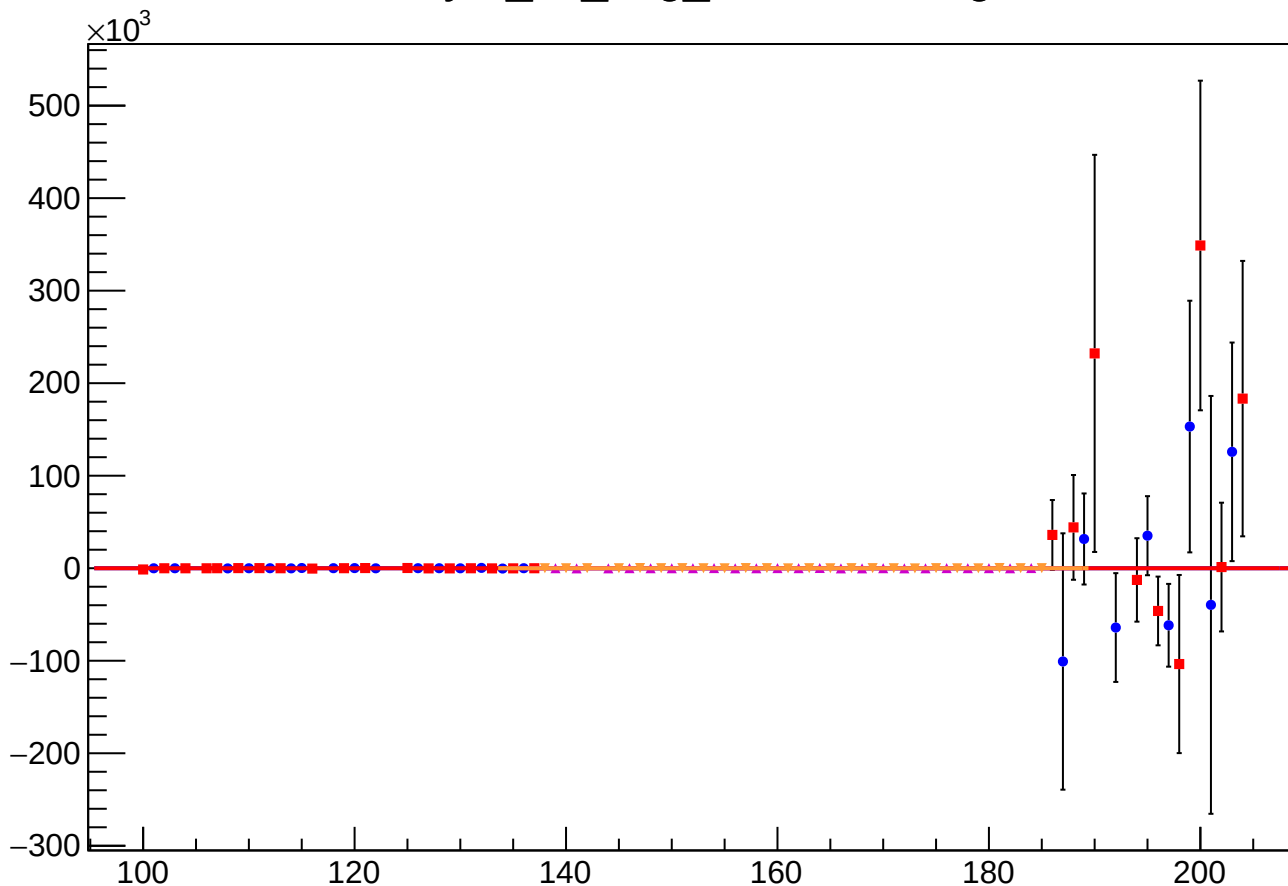
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 5182593.3/47

All: 1.350+/-0.000 χ^2/NDF : 11590380.8/98

- sign 1.385+/-0.000 χ^2/NDF : 6357030.8/50

asym_ds_avg_mean vs Slug



Right In: -14.493 ± 30.040 χ^2/NDF : 23.4/23

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

Right Out: -32.021 ± 30.500 χ^2/NDF : 27.6/26

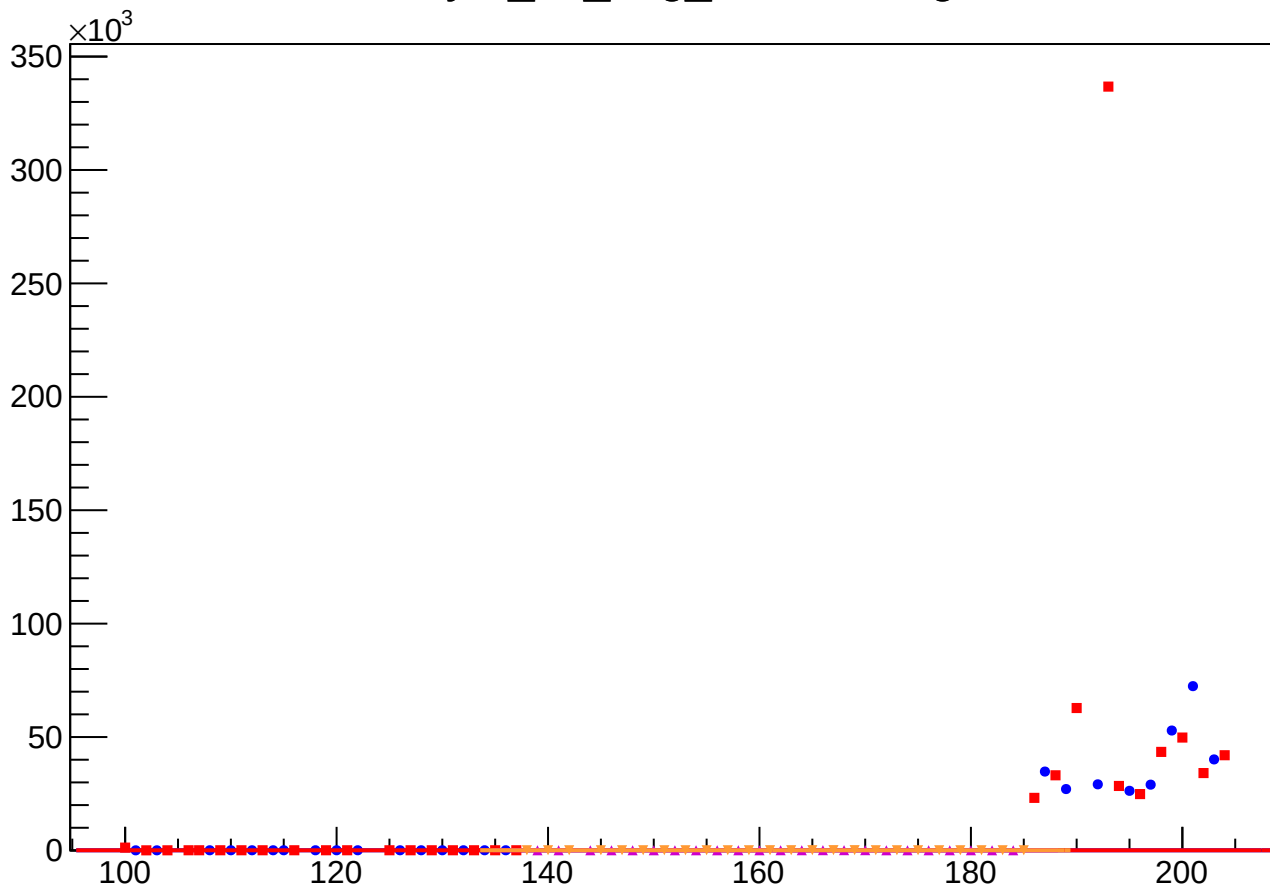
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -2.587 ± 17.470 χ^2/NDF : 45.7/47

All: 0.808 ± 12.407 χ^2/NDF : 97.8/97

- sign 4.263 ± 17.623 χ^2/NDF : 52.1/49

asym_ds_avg_rms vs Slug



Right In: 76.126 $\pm$ 0.021 χ^2 /NDF: 4066254.1/23

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

Right Out: 79.445 $\pm$ 0.022 χ^2 /NDF: 5010538.7/27

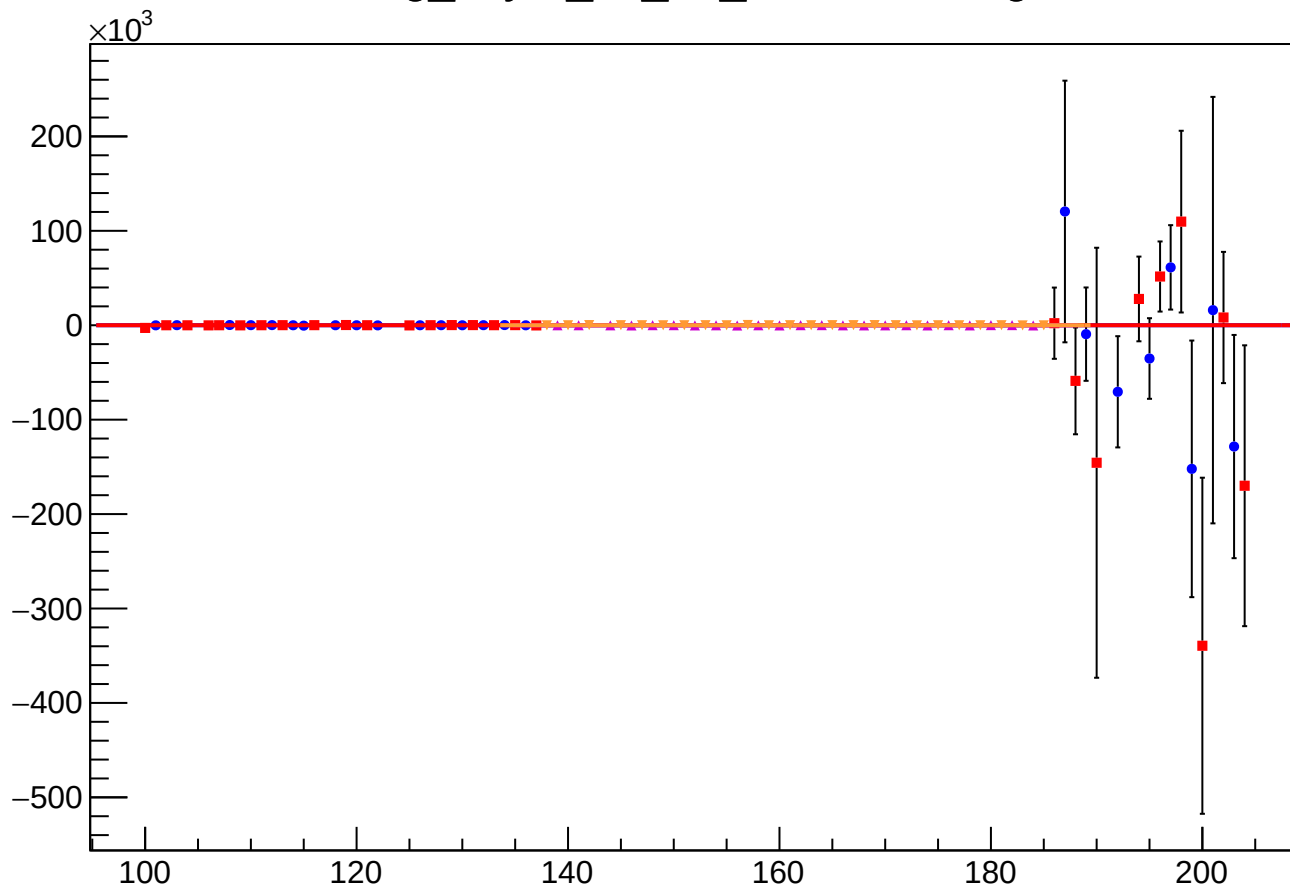
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.122 $\pm$ 0.012 χ^2 /NDF: 4804293.4/47

All: 85.669 $\pm$ 0.009 χ^2 /NDF: 10476507.0/98

- sign 86.225 $\pm$ 0.012 χ^2 /NDF: 5668262.5/50

reg_asym_ds_dd_mean vs Slug



Right In: 8.092 $\pm$ 30.012 χ^2/NDF : 21.2/23

Left Out: 15.274 $\pm$ 21.472 χ^2/NDF : 17.2/23

Right Out: 25.799 $\pm$ 30.473 χ^2/NDF : 22.9/26

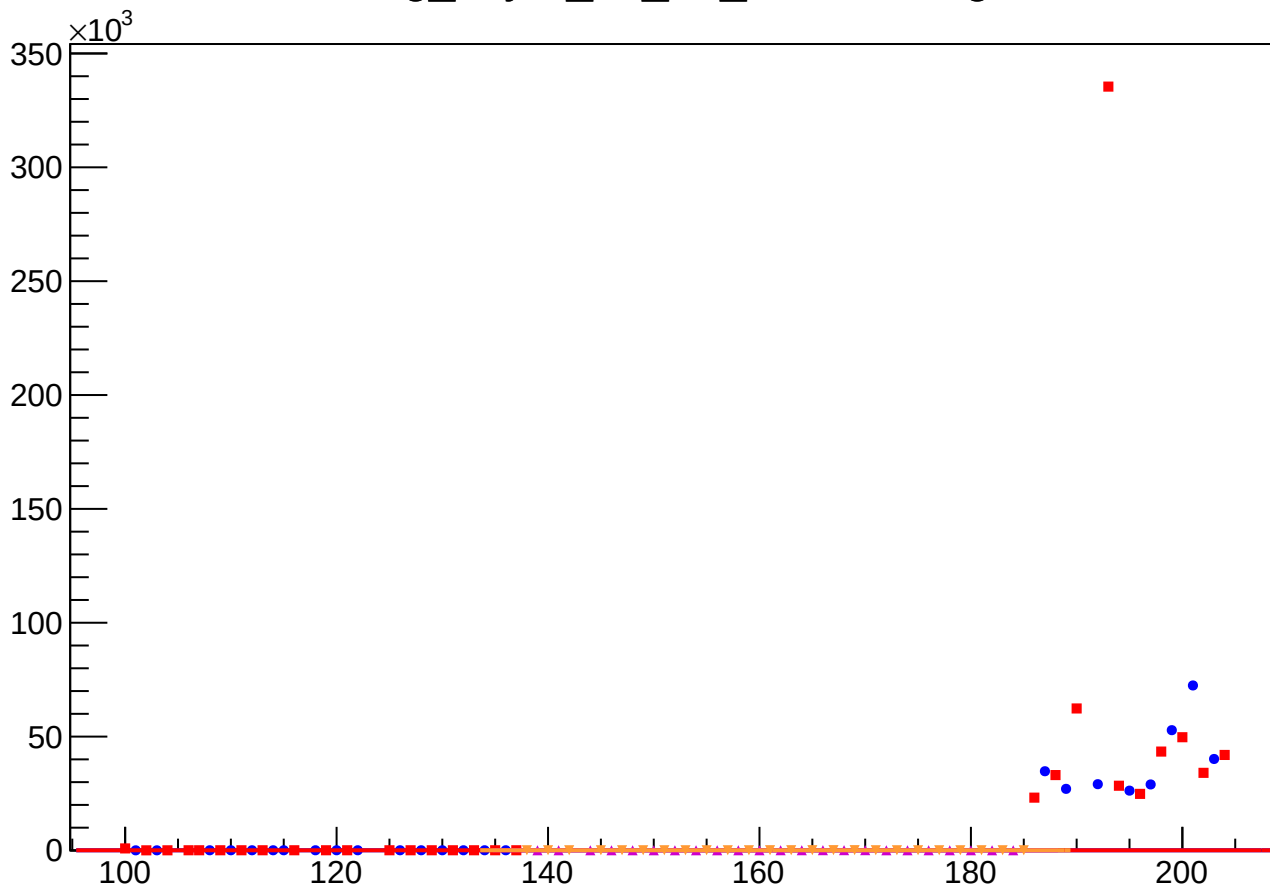
Left In: -43.424 $\pm$ 21.593 χ^2/NDF : 31.4/22

+ sign 12.842 $\pm$ 17.463 χ^2/NDF : 38.5/47

All: -3.574 $\pm$ 12.403 χ^2/NDF : 98.0/97

- sign -20.284 $\pm$ 17.618 χ^2/NDF : 57.7/49

reg_asym_ds_dd_rms vs Slug



Right In: 76.057 $\pm$ 0.021 χ^2 /NDF: 4065462.5/23

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

Right Out: 79.393 $\pm$ 0.022 χ^2 /NDF: 5003198.1/27

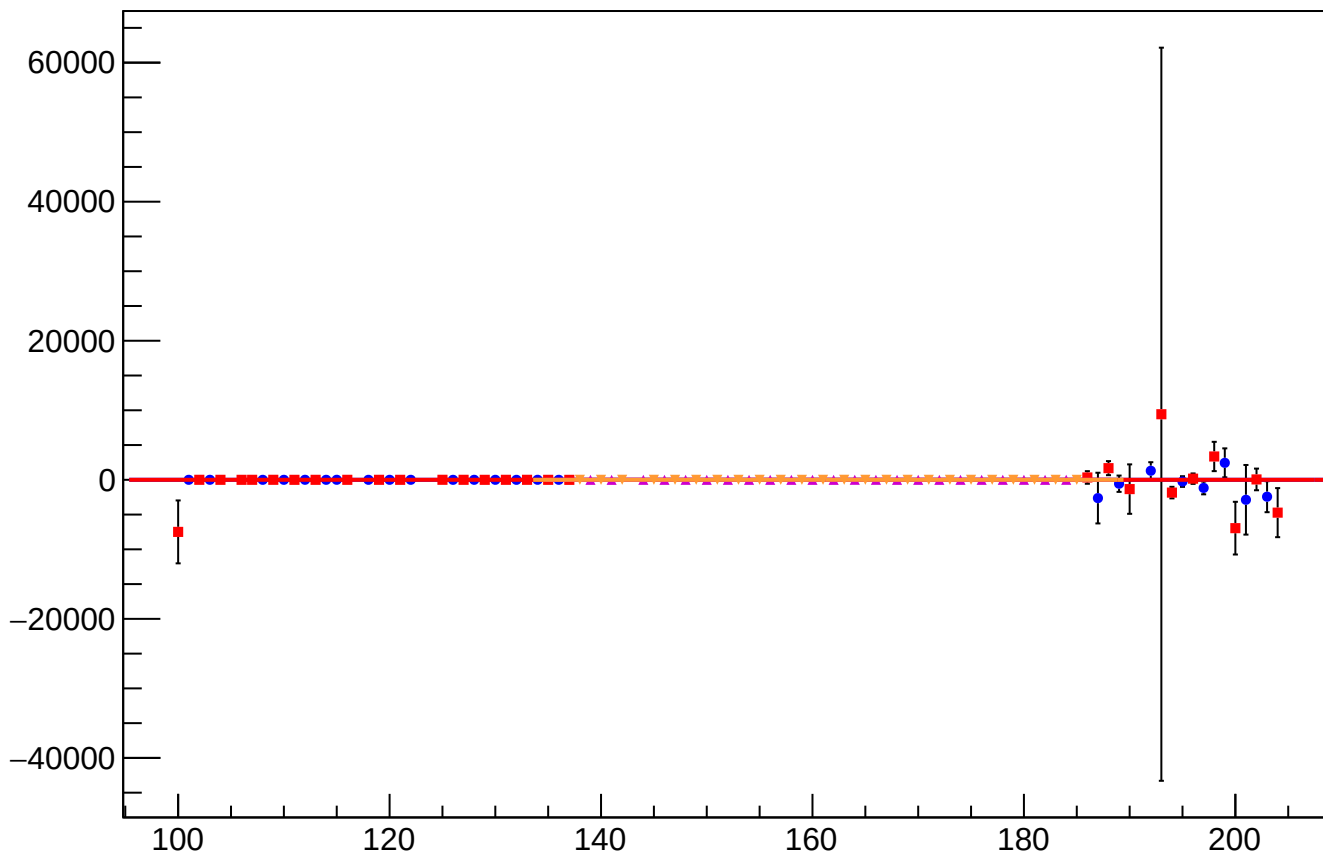
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.089 $\pm$ 0.012 χ^2 /NDF: 4804411.5/47

All: 85.643 $\pm$ 0.009 χ^2 /NDF: 10472894.6/98

- sign 86.207 $\pm$ 0.012 χ^2 /NDF: 5664422.7/50

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 18.4/23

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

Right Out: -0.348 ± 0.549 χ^2/NDF : 29.2/27

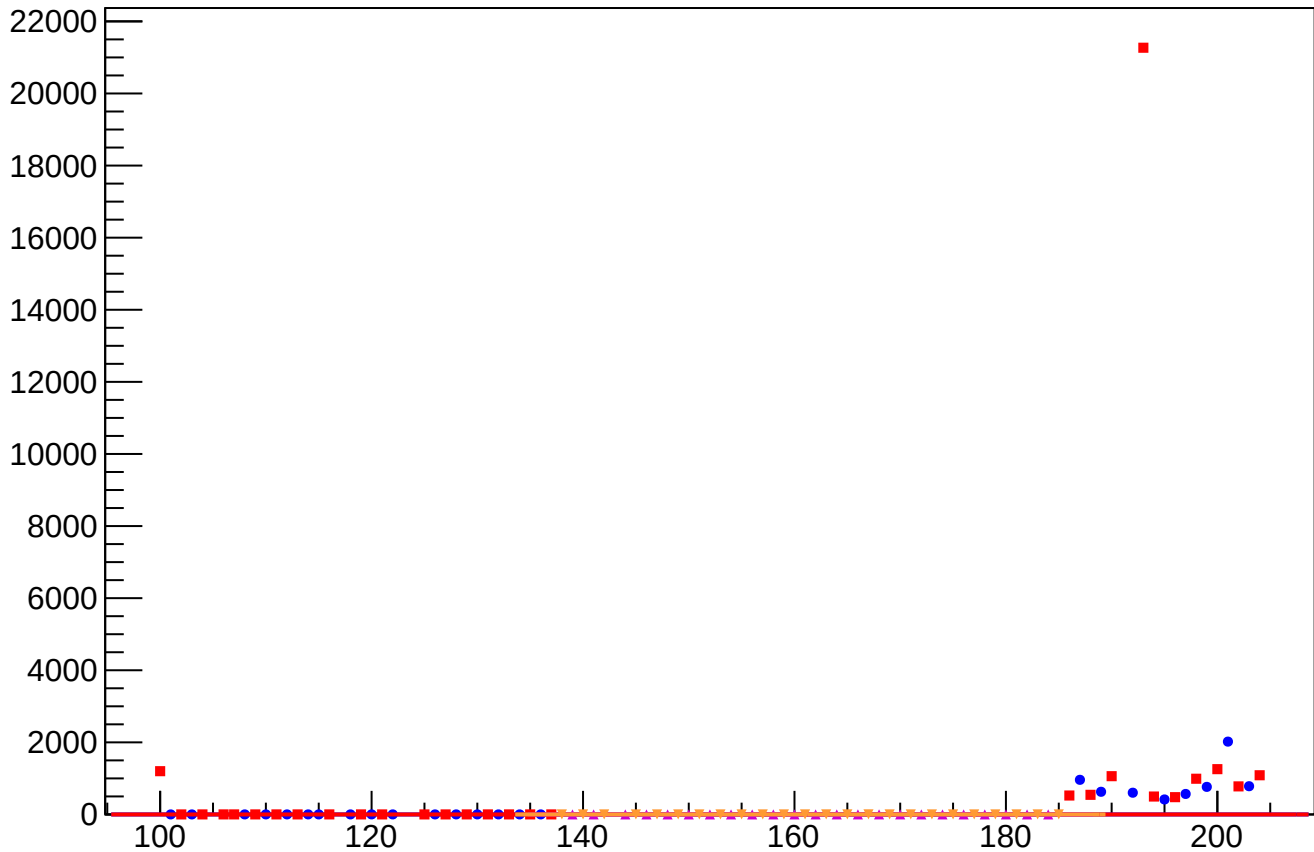
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 43.7/47

All: -0.045 ± 0.224 χ^2/NDF : 93.6/98

- sign -0.069 ± 0.318 χ^2/NDF : 49.9/50

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 3999527.9/23

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

Right Out: 1.316+/-0.000 χ^2/NDF : 5156373.0/27

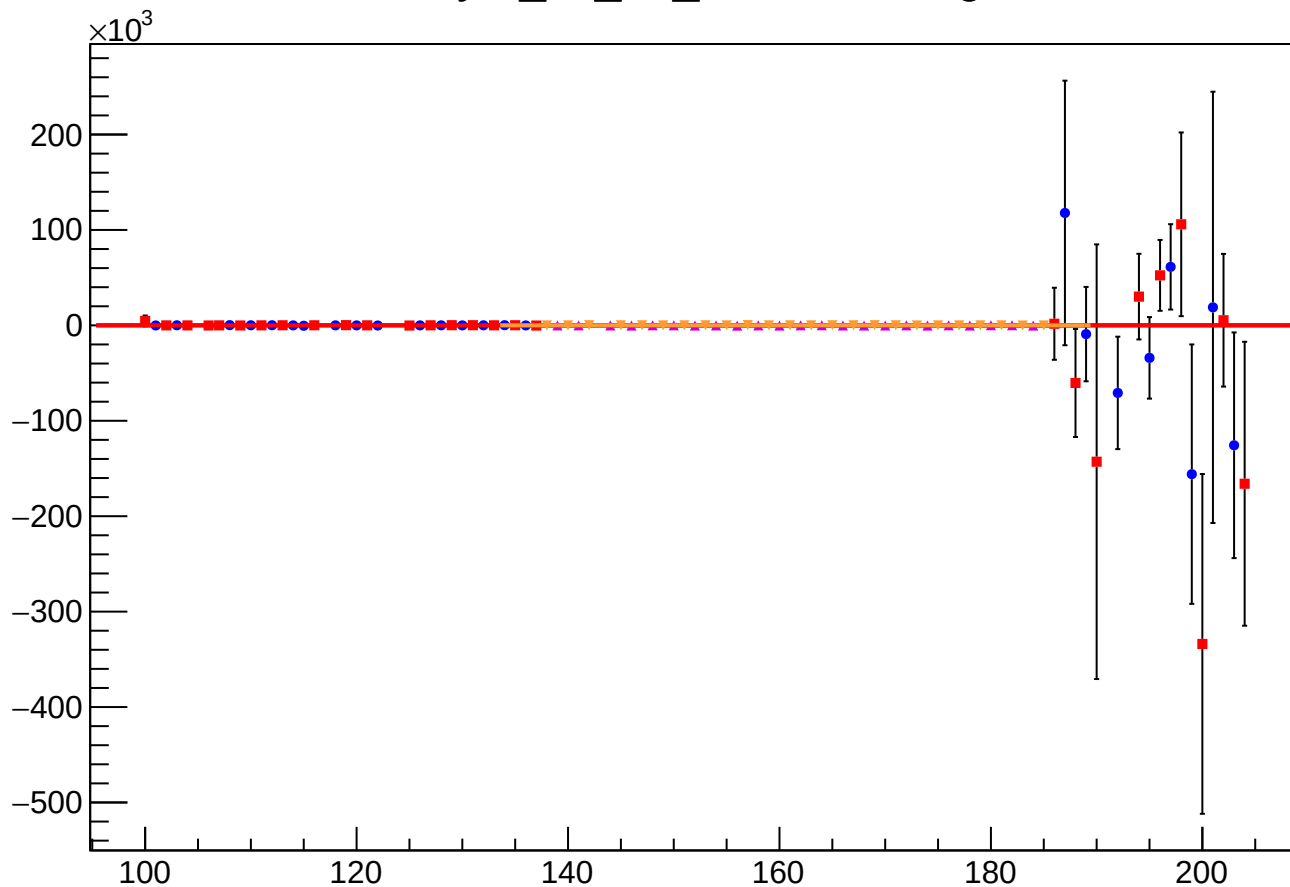
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 5411300.9/47

All: 1.400+/-0.000 χ^2/NDF : 11714900.4/98

- sign 1.412+/-0.000 χ^2/NDF : 6297240.6/50

asym_ds_dd_mean vs Slug



Right In: 7.385 ± 30.020 χ^2/NDF : 21.1/23

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

Right Out: 26.409 ± 30.482 χ^2/NDF : 22.9/26

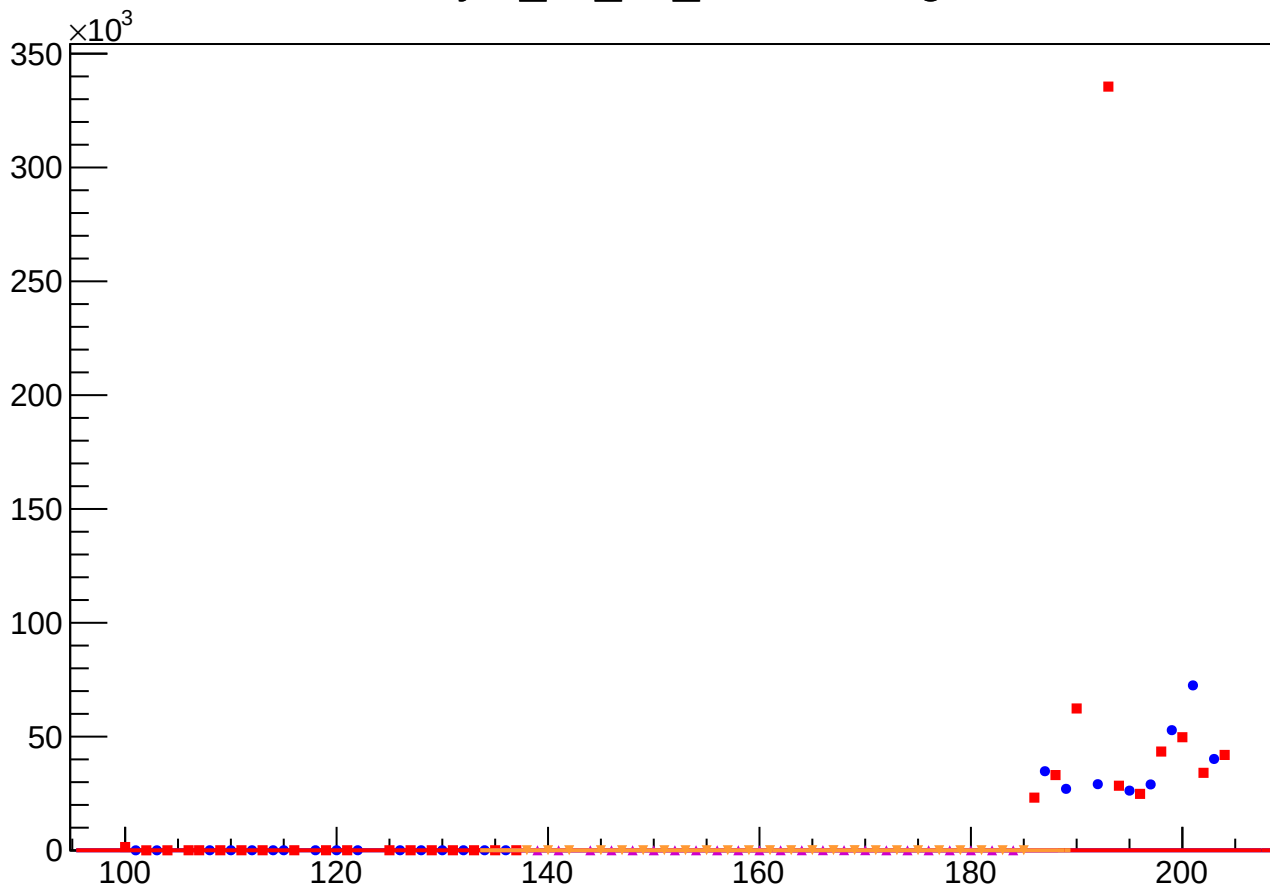
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.931 ± 17.468 χ^2/NDF : 38.2/47

All: -3.587 ± 12.407 χ^2/NDF : 97.6/97

- sign -20.400 ± 17.624 χ^2/NDF : 57.6/49

asym_ds_dd_rms vs Slug



Right In: 76.077 $\pm$ 0.021 χ^2 /NDF: 4065616.5/23

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

Right Out: 79.390 $\pm$ 0.022 χ^2 /NDF: 5012530.9/27

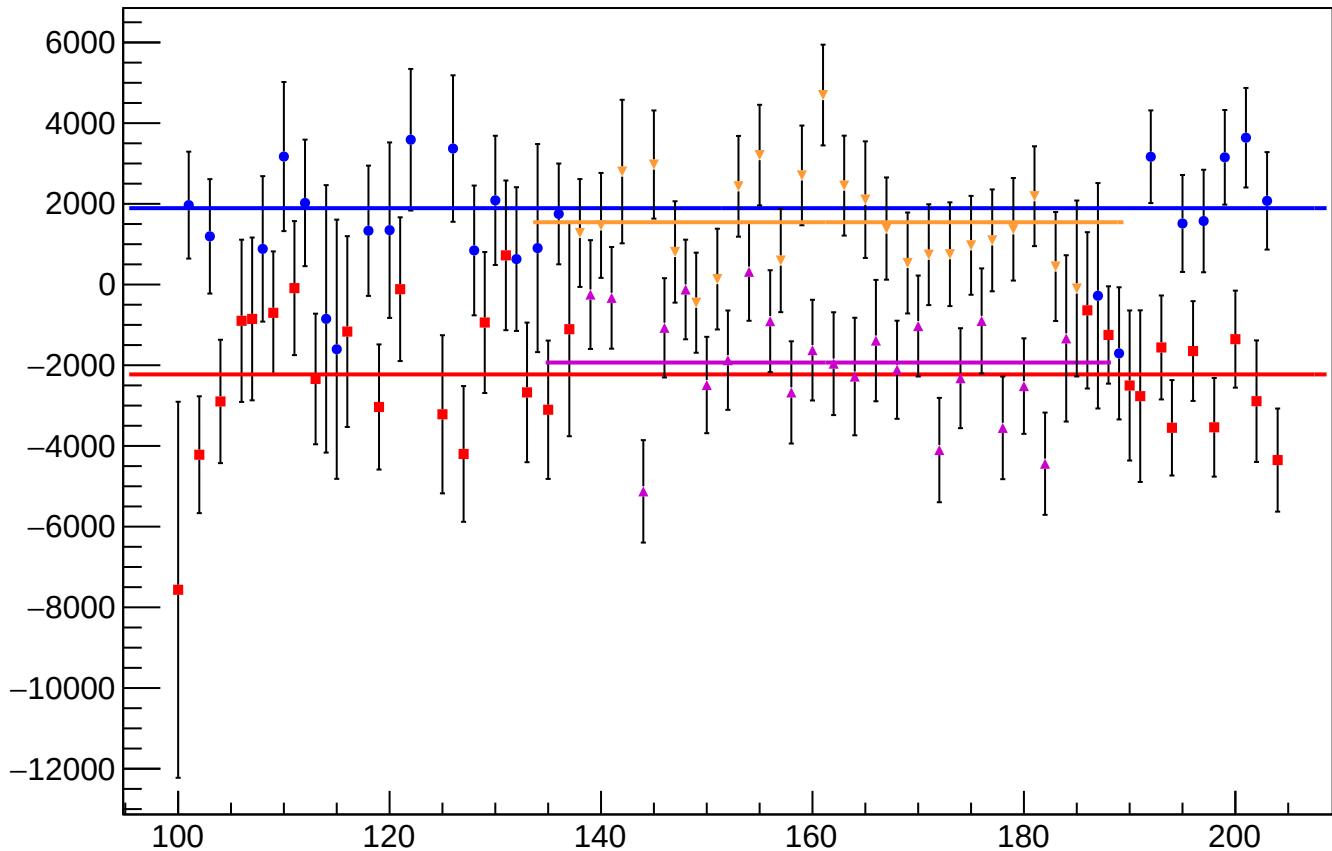
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.114 $\pm$ 0.012 χ^2 /NDF: 4805438.2/47

All: 85.664 $\pm$ 0.009 χ^2 /NDF: 10484793.5/98

- sign 86.223 $\pm$ 0.012 χ^2 /NDF: 5675356.9/50

reg_asym_usl_mean vs Slug



Right In: 1892.895 $\pm$ 316.059 χ^2 /NDF: 15.8/23

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

Right Out: -2227.362 $\pm$ 295.825 χ^2 /NDF: 21.8/28

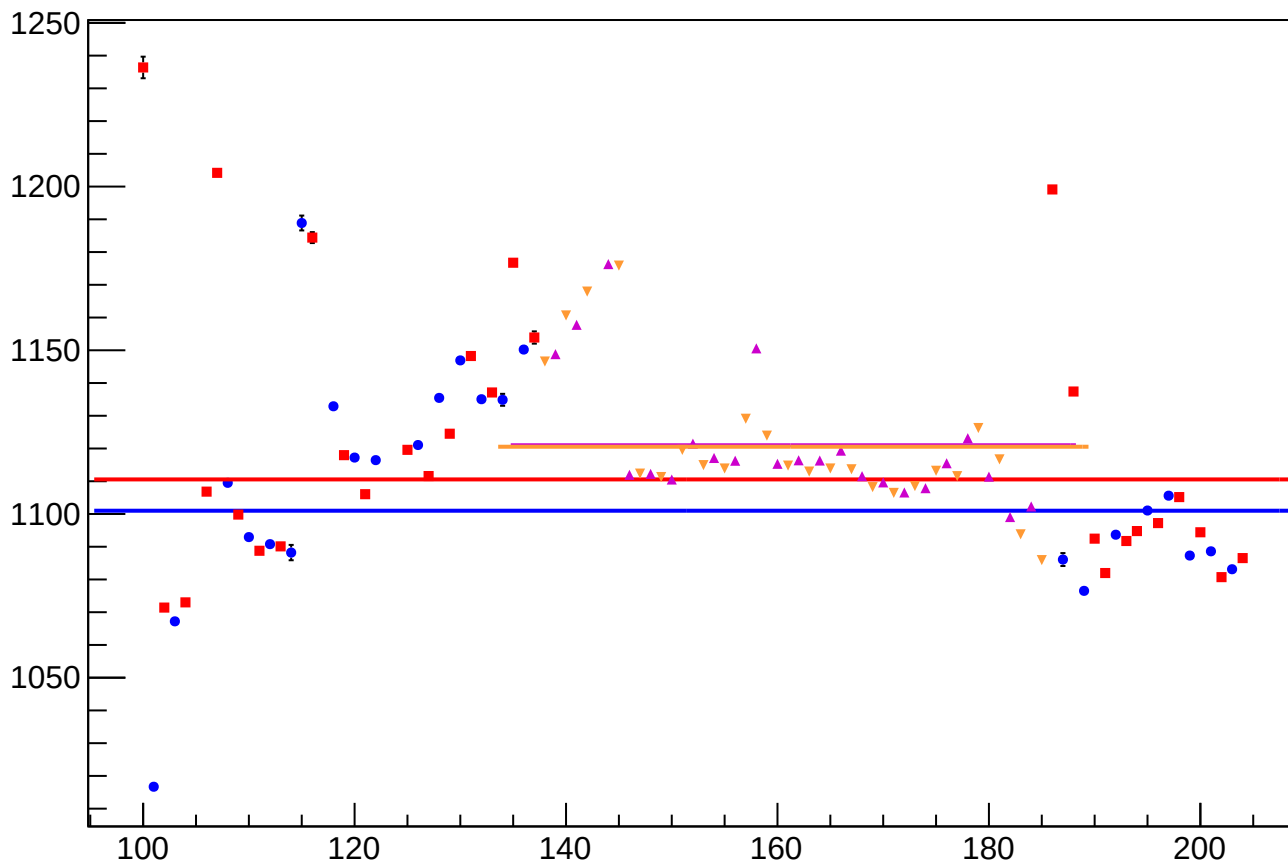
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF:27.0/22

+ sign 1688.893 $\pm$ 203.636 χ^2 /NDF: 36.5/47

All: -235.235 $\pm$ 142.185 χ^2 /NDF: 260.1/99

- sign -2065.692 $\pm$ 198.618 χ^2 /NDF: 49.4/51

reg_asym_usl_rms vs Slug



Right In: 1100.998 ± 0.223 $\chi^2/\text{NDF}: 20488.5/23$

Left Out: 1120.543 ± 0.188 $\chi^2/\text{NDF}: 10252.7/23$

Right Out: 1110.558 ± 0.209 $\chi^2/\text{NDF}: 24825.4/28$

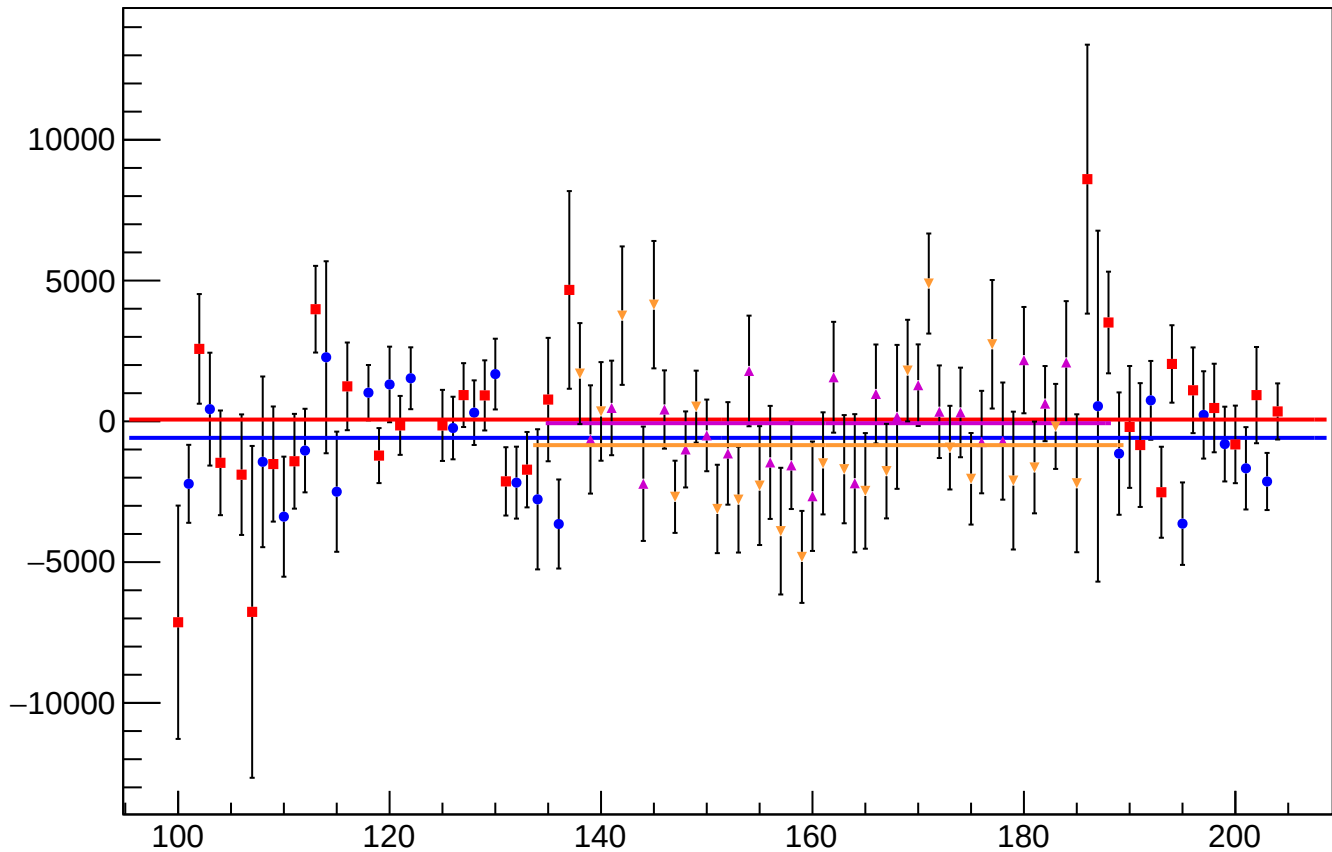
Left In: 1120.991 ± 0.190 $\chi^2/\text{NDF}: 9641.8/22$

+ sign 1112.430 ± 0.144 $\chi^2/\text{NDF}: 35214.5/47$

All: 1114.407 ± 0.101 $\chi^2/\text{NDF}: 71415.9/99$

- sign 1116.288 ± 0.140 $\chi^2/\text{NDF}: 35833.5/51$

asym_usl_correction_mean vs Slug



Right In: -586.283+/-297.621 χ^2/NDF : 32.0/23

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

Right Out: 63.478+/-286.105 χ^2/NDF : 38.6/28

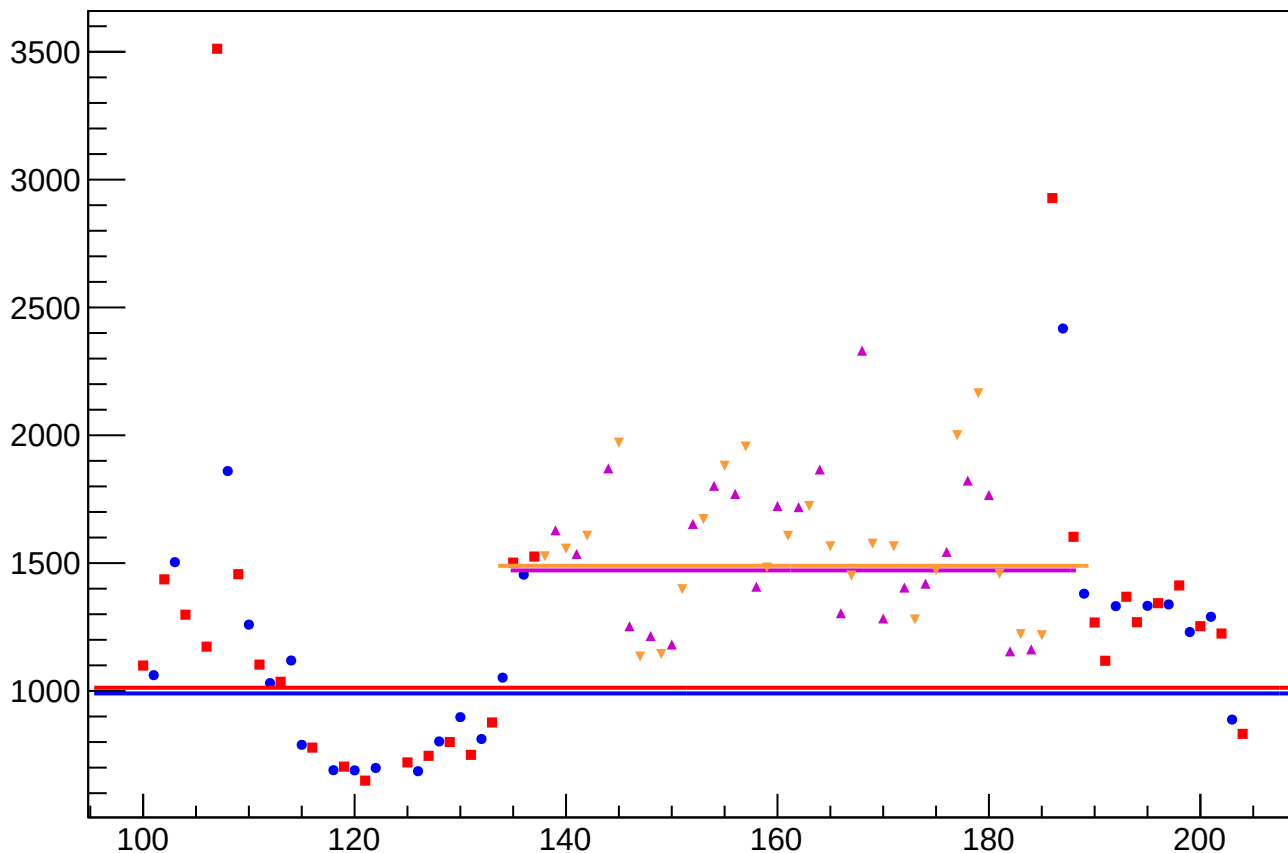
Left In: -65.738+/-358.785 χ^2/NDF : 12.1/22

+ sign -690.929+/-229.677 χ^2/NDF : 75.5/47

All: -329.544+/-160.248 χ^2/NDF : 131.2/99

- sign 13.250+/-223.691 χ^2/NDF : 50.8/51

asym_usl_correction_rms vs Slug



Right In: 990.154+/-0.210 χ^2/NDF : 1878644.9/23

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

Right Out: 1012.543+/-0.202 χ^2/NDF : 2748276.0/28

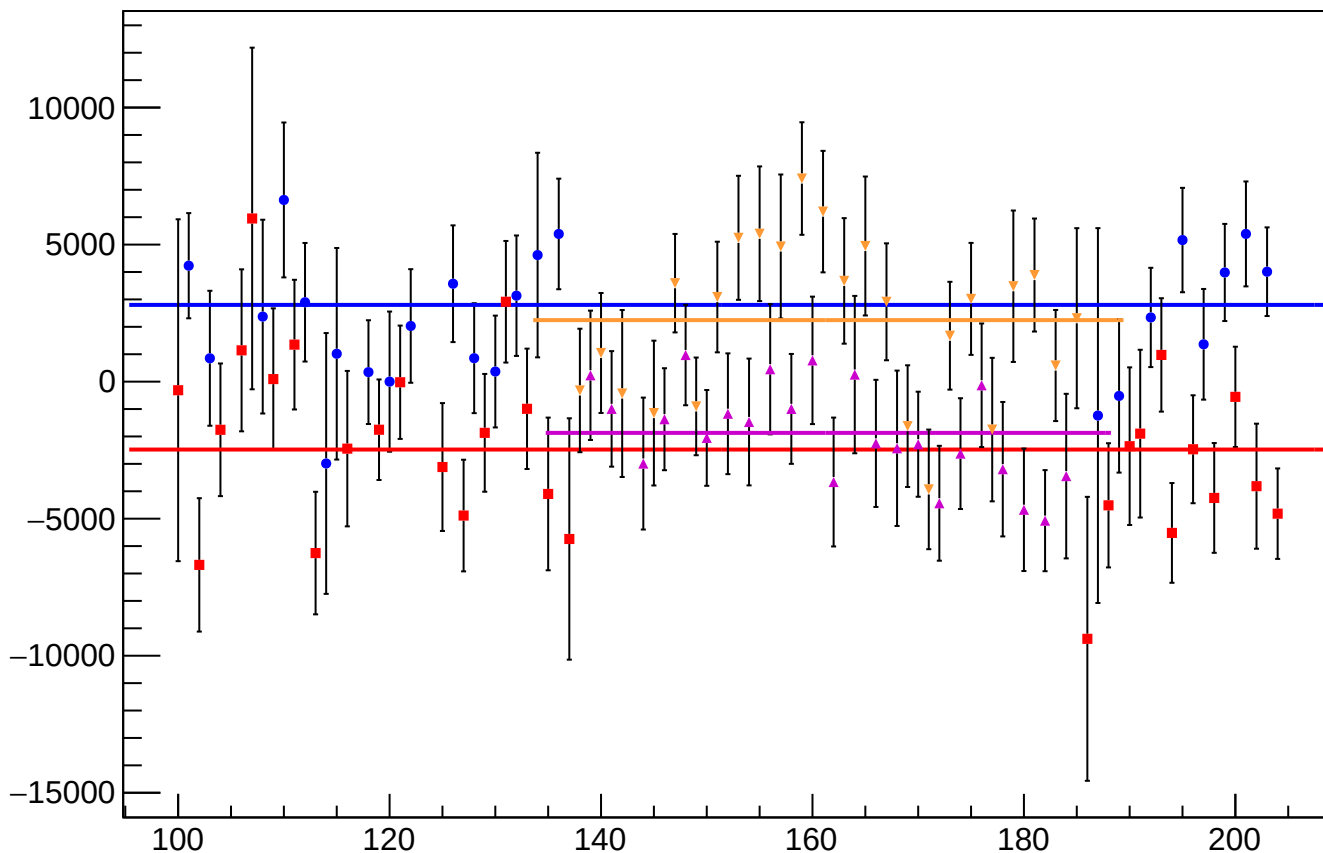
Left In: 1471.394+/-0.254 χ^2/NDF : 1105310.5/22

+ sign 1192.125+/-0.162 χ^2/NDF : 5165064.2/47

All: 1191.498+/-0.113 χ^2/NDF : 11018307.0/95

- sign 1190.904+/-0.158 χ^2/NDF : 5853213.7/51

asym_usl_mean vs Slug



Right In: 2800.026 ± 455.734 χ^2/NDF : 18.8/23

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

Right Out: -2477.631 ± 435.051 χ^2/NDF : 35.8/28

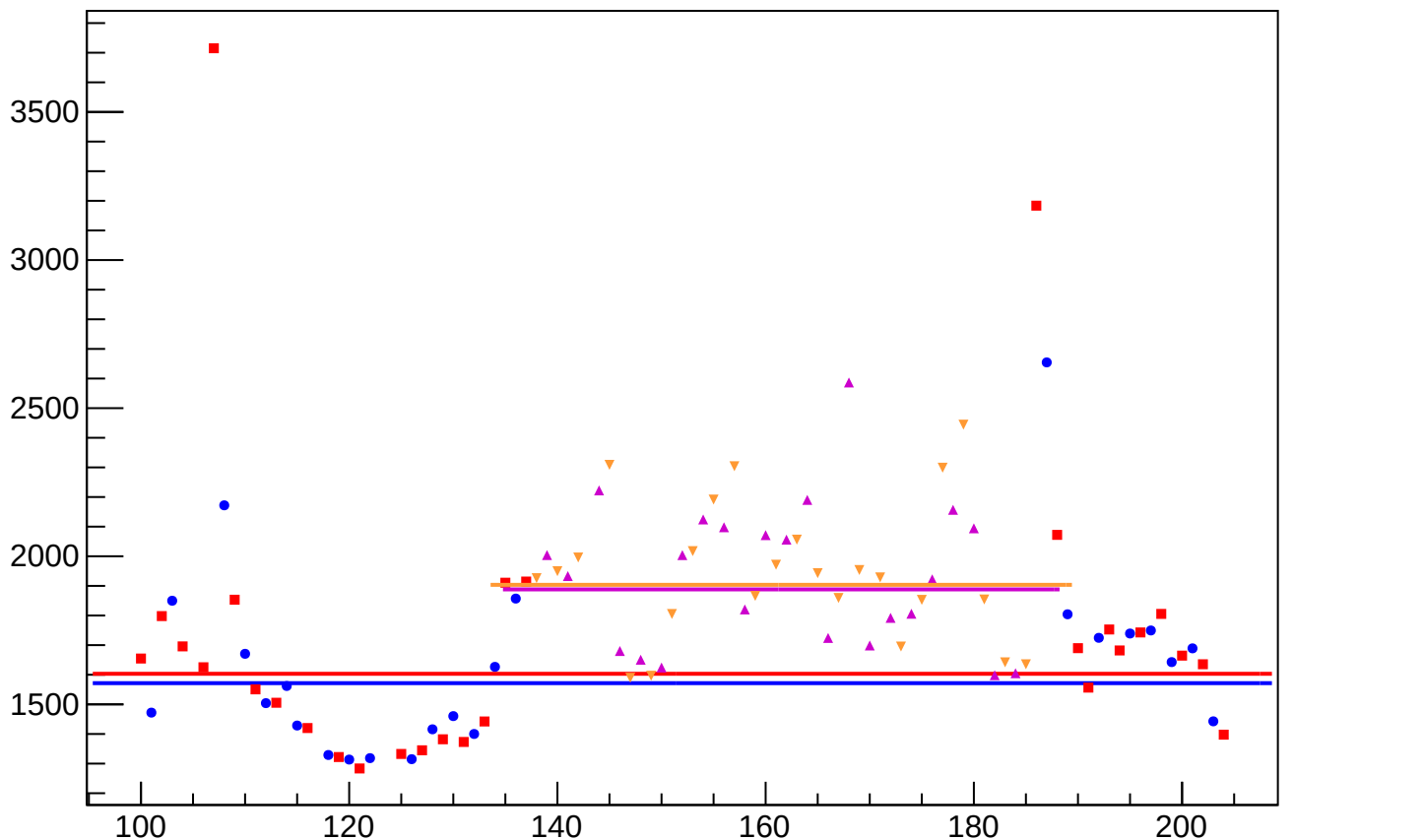
Left In: -1869.792 ± 455.465 χ^2/NDF : 14.9/22

+ sign 2522.671 ± 322.514 χ^2/NDF : 58.2/47

All: 108.989 ± 225.201 χ^2/NDF : 219.1/99

- sign -2187.638 ± 314.597 χ^2/NDF : 51.6/51

asym_usl_rms vs Slug



Right In: 1571.625+/-0.322 χ^2/NDF : 411294.4/23

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

Right Out: 1603.230+/-0.308 χ^2/NDF : 871700.3/28

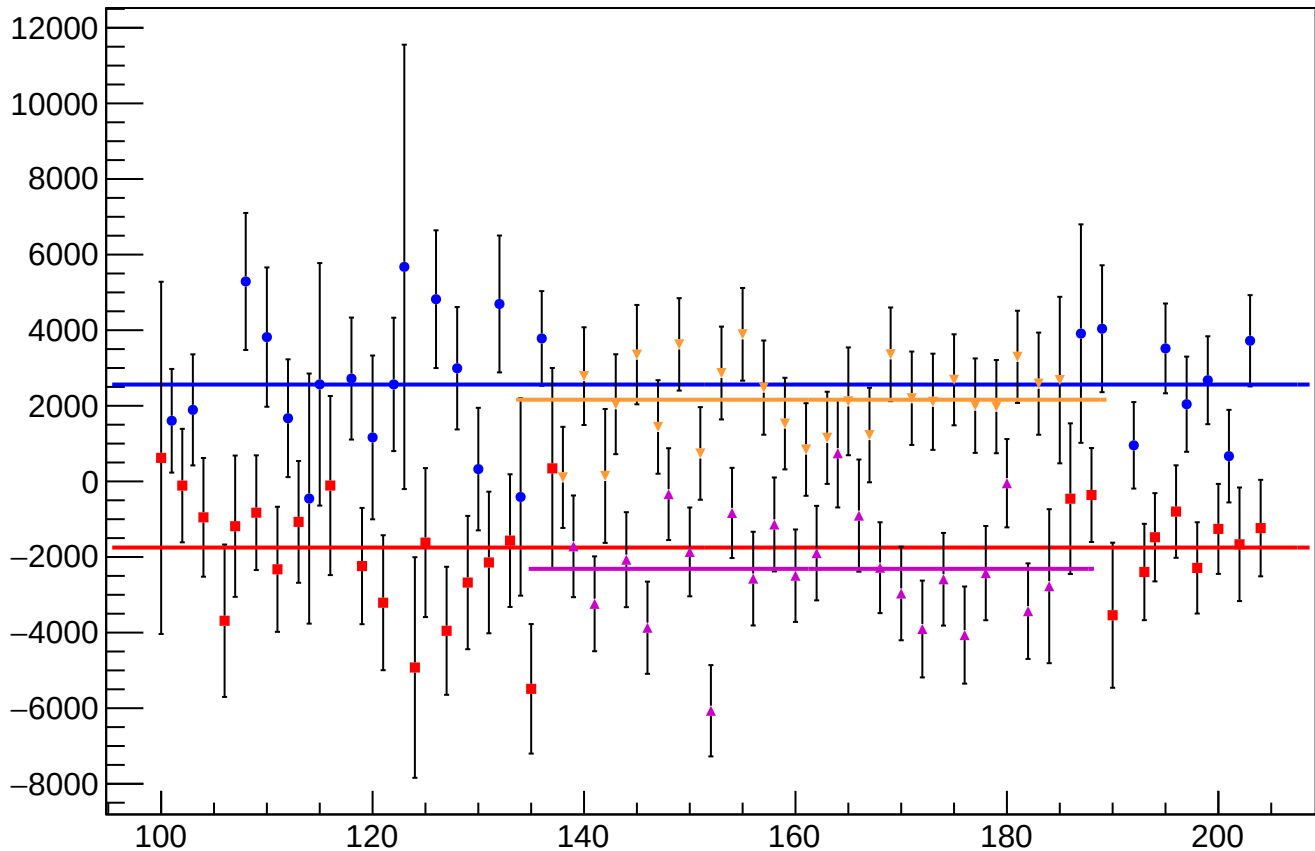
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1737.334+/-0.228 χ^2/NDF : 1402784.7/47

All: 1738.263+/-0.159 χ^2/NDF : 3188260.1/99

- sign 1739.148+/-0.222 χ^2/NDF : 1785443.0/51

reg_asym_usr_mean vs Slug



Right In: 2562.155+/-316.753 χ^2/NDF : 19.5/24

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

Right Out: -1749.823+/-297.462 χ^2/NDF : 17.2/28

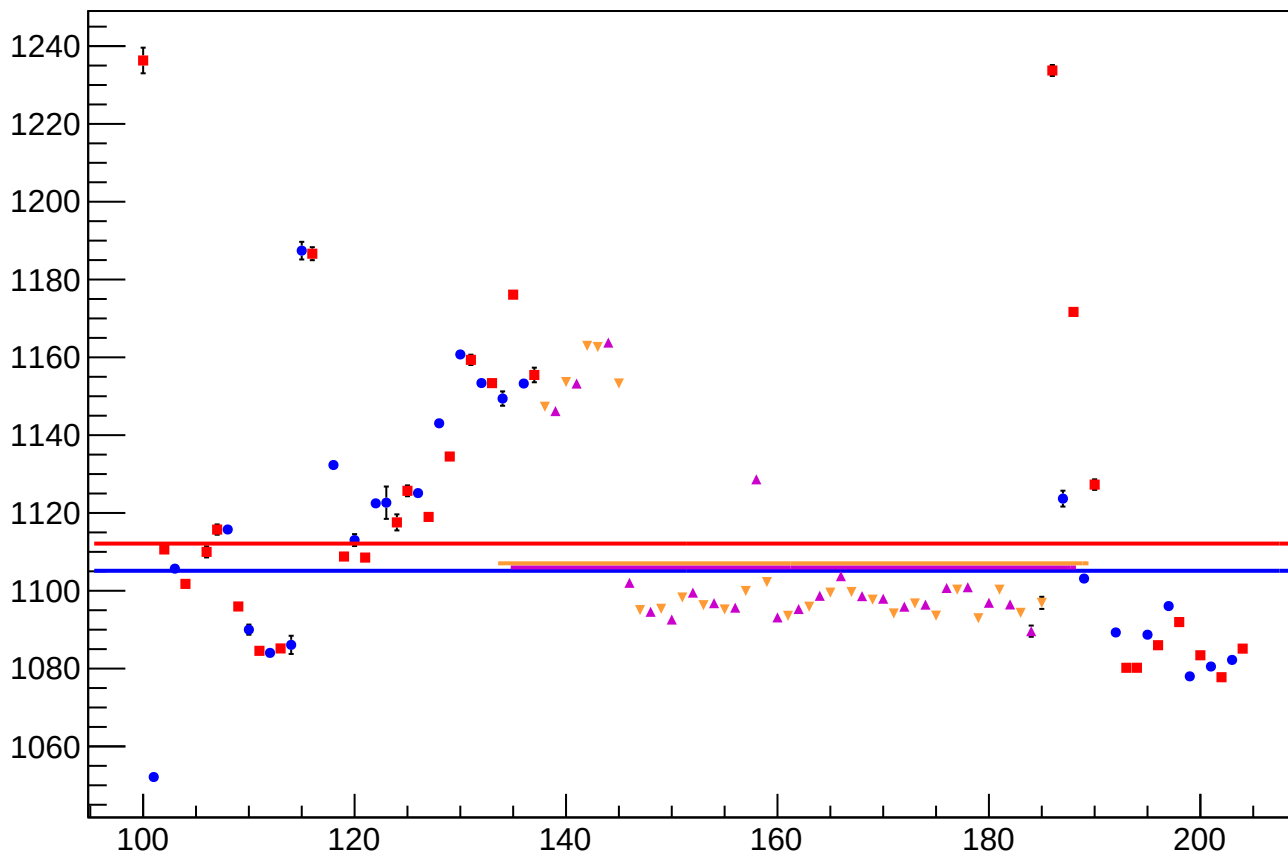
Left In: -2313.505+/-264.429 χ^2/NDF : 31.3/22

+ sign 2320.891+/-199.815 χ^2/NDF : 35.6/49

All: 103.999+/-140.512 χ^2/NDF : 329.6/101

- sign -2064.688+/-197.631 χ^2/NDF : 50.5/51

reg_asym_usr_rms vs Slug



Right In: 1105.137 $\pm$ 0.224 χ^2 /NDF: 17963.3/24

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

Right Out: 1112.128 $\pm$ 0.210 χ^2 /NDF: 30495.5/28

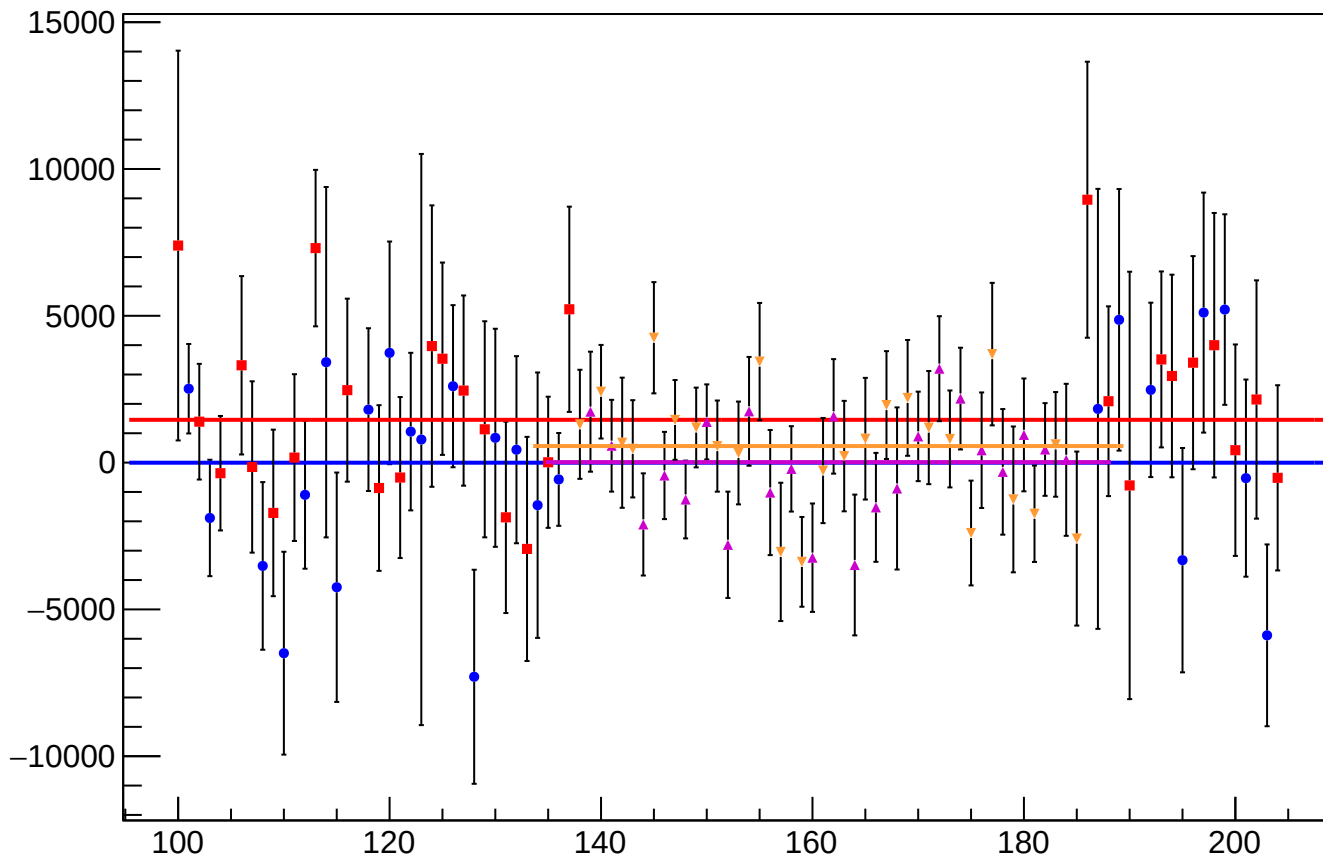
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

+ sign 1106.293 $\pm$ 0.141 χ^2 /NDF: 33183.2/49

All: 1107.511 $\pm$ 0.099 χ^2 /NDF: 75851.7/101

- sign 1108.703 $\pm$ 0.140 χ^2 /NDF: 42521.4/51

asym_usr_correction_mean vs Slug



Right In: -3.417 ± 585.483 χ^2/NDF : 27.6/24

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

Right Out: 1457.152 ± 578.330 χ^2/NDF : 19.1/28

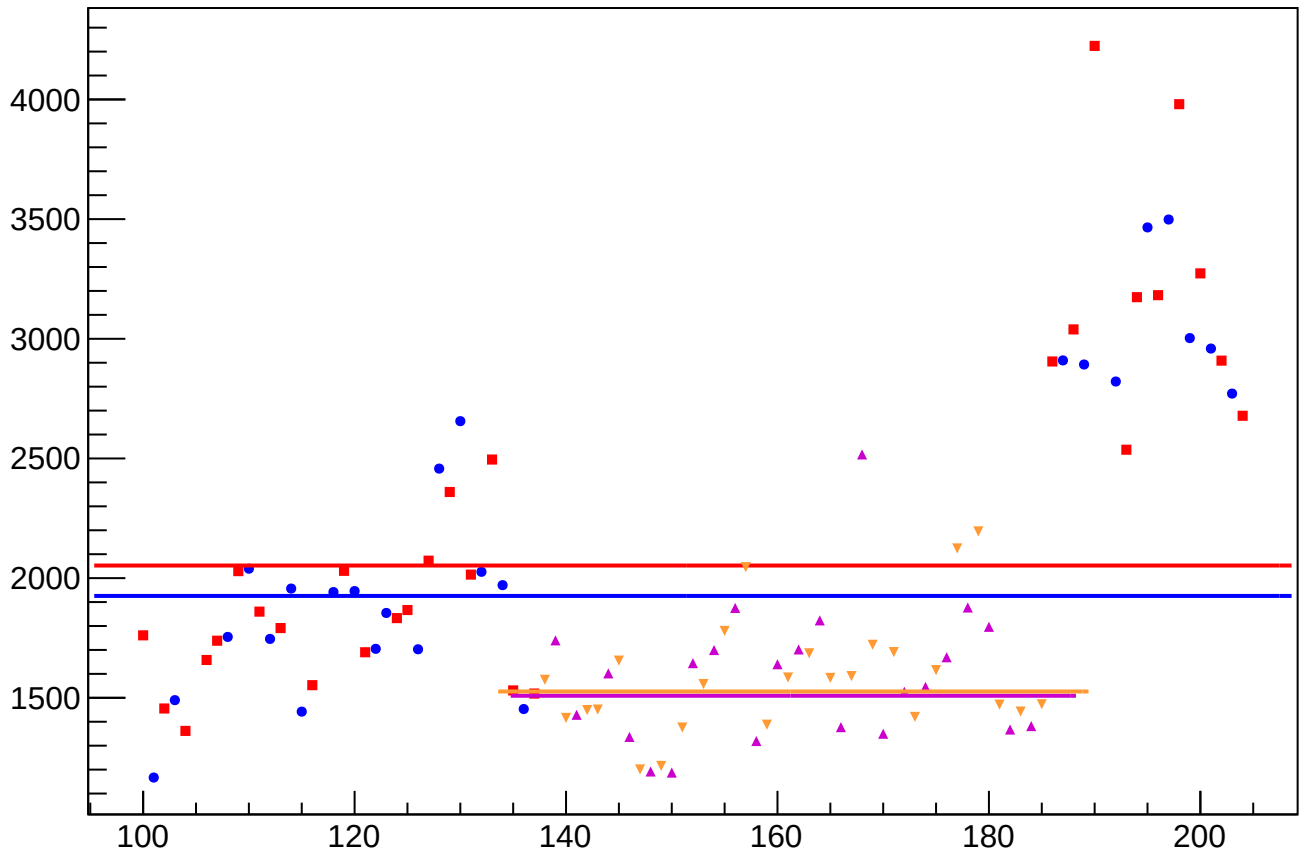
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 407.243 ± 307.223 χ^2/NDF : 55.1/49

All: 418.112 ± 218.140 χ^2/NDF : 98.7/101

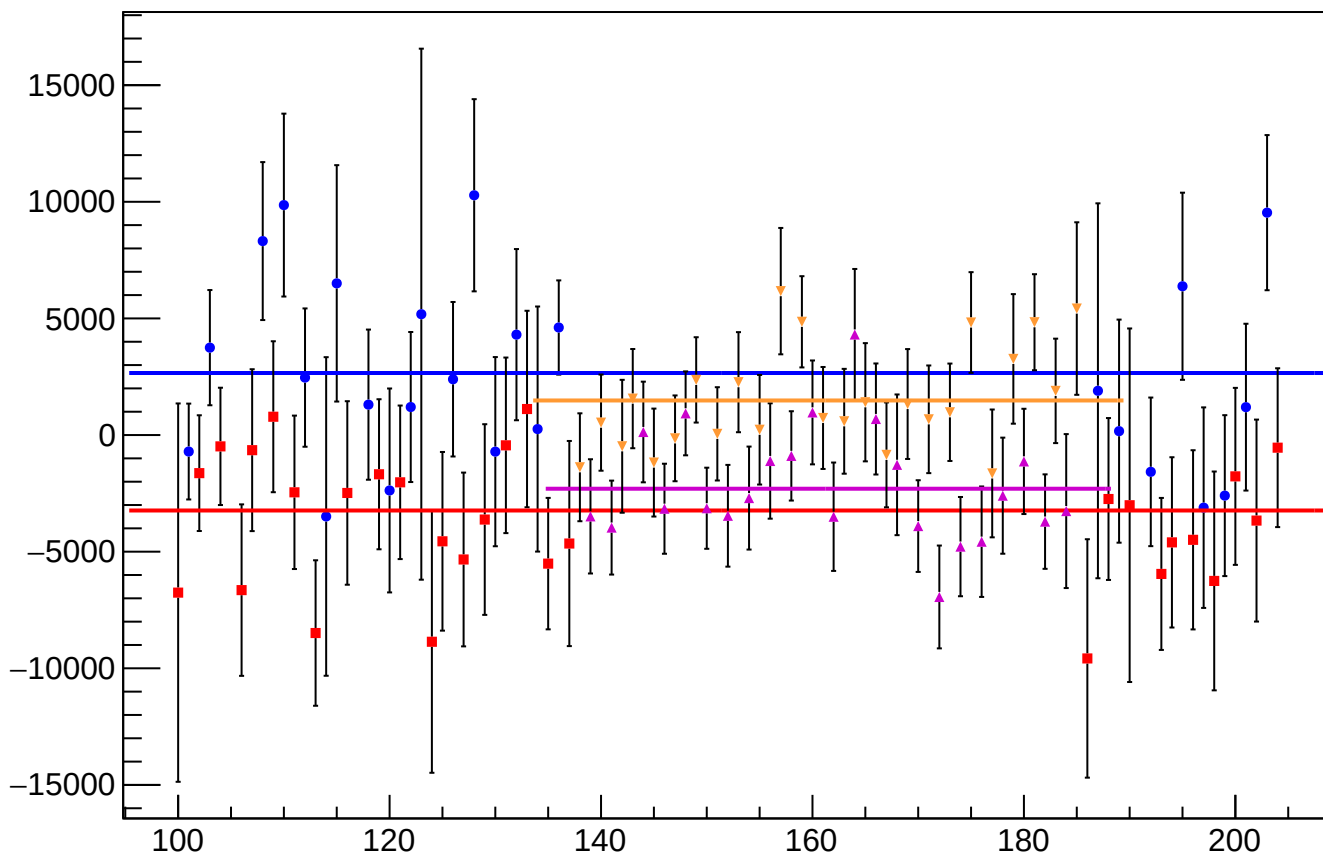
- sign 429.162 ± 309.785 χ^2/NDF : 43.7/51

asym_usr_correction_rms vs Slug



Right In: 1925.679+/-0.414	χ^2/NDF : 2461353.5/24	+ sign 1636.334+/-0.217	χ^2/NDF : 3889138.2/49
Left Out: 1526.391+/-0.255	χ^2/NDF : 753714.4/24		
Right Out: 2052.704+/-0.409	χ^2/NDF : 2469831.5/28	All: 1650.401+/-0.154	χ^2/NDF : 8561540.4/10
		- sign 1664.704+/-0.219	χ^2/NDF : 4663945.4/51
Left In: 1508.581+/-0.259	χ^2/NDF : 931684.8/22		

asym_usr_mean vs Slug



Right In: 2659.970 ± 694.438 χ^2/NDF : 29.1/24

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

Right Out: -3234.271 ± 673.588 χ^2/NDF : 15.6/28

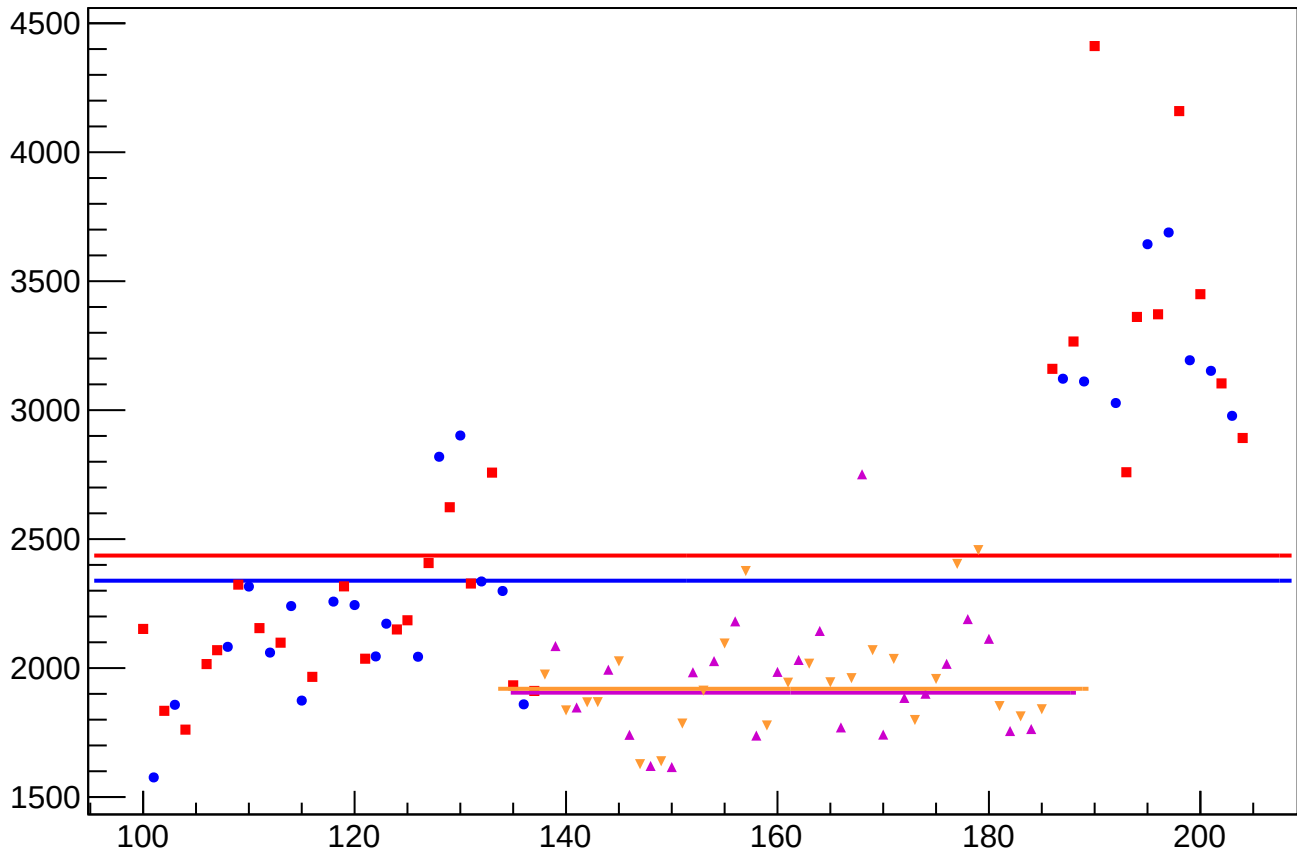
Left In: -2301.247 ± 459.040 χ^2/NDF : 24.8/22

+ sign 1830.601 ± 377.633 χ^2/NDF : 52.1/49

All: -373.346 ± 267.625 χ^2/NDF : 162.2/101

- sign -2597.143 ± 379.330 χ^2/NDF : 41.7/51

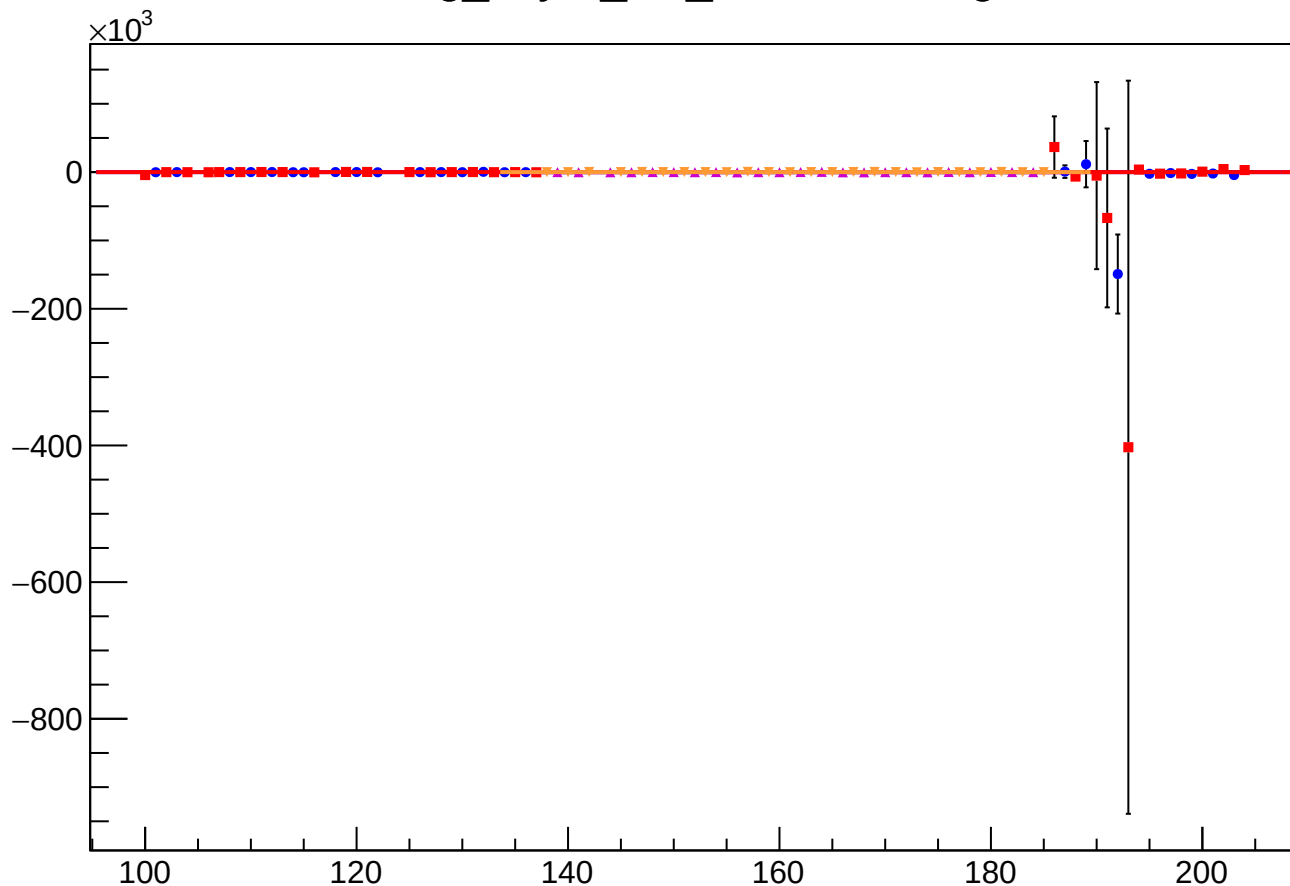
asym_usr_rms vs Slug



Right In: 2338.772 ± 0.491 χ^2/NDF : 1485356.3/24
 Left Out: 1919.732 ± 0.318 χ^2/NDF : 366218.1/24
 Right Out: 2436.257 ± 0.476 χ^2/NDF : 1591148.7/28
 Left In: 1904.629 ± 0.325 χ^2/NDF : 447350.7/22

+ sign 2043.648 ± 0.267 χ^2/NDF : 2364463.8/49
 All: 2058.372 ± 0.189 χ^2/NDF : 5259802.4/10
 - sign 2073.228 ± 0.268 χ^2/NDF : 2889230.8/51

reg_asym_dsl_mean vs Slug



Right In: -1.717 ± 36.765 χ^2/NDF : 25.3/23

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

Right Out: -1.512 ± 36.749 χ^2/NDF : 18.5/28

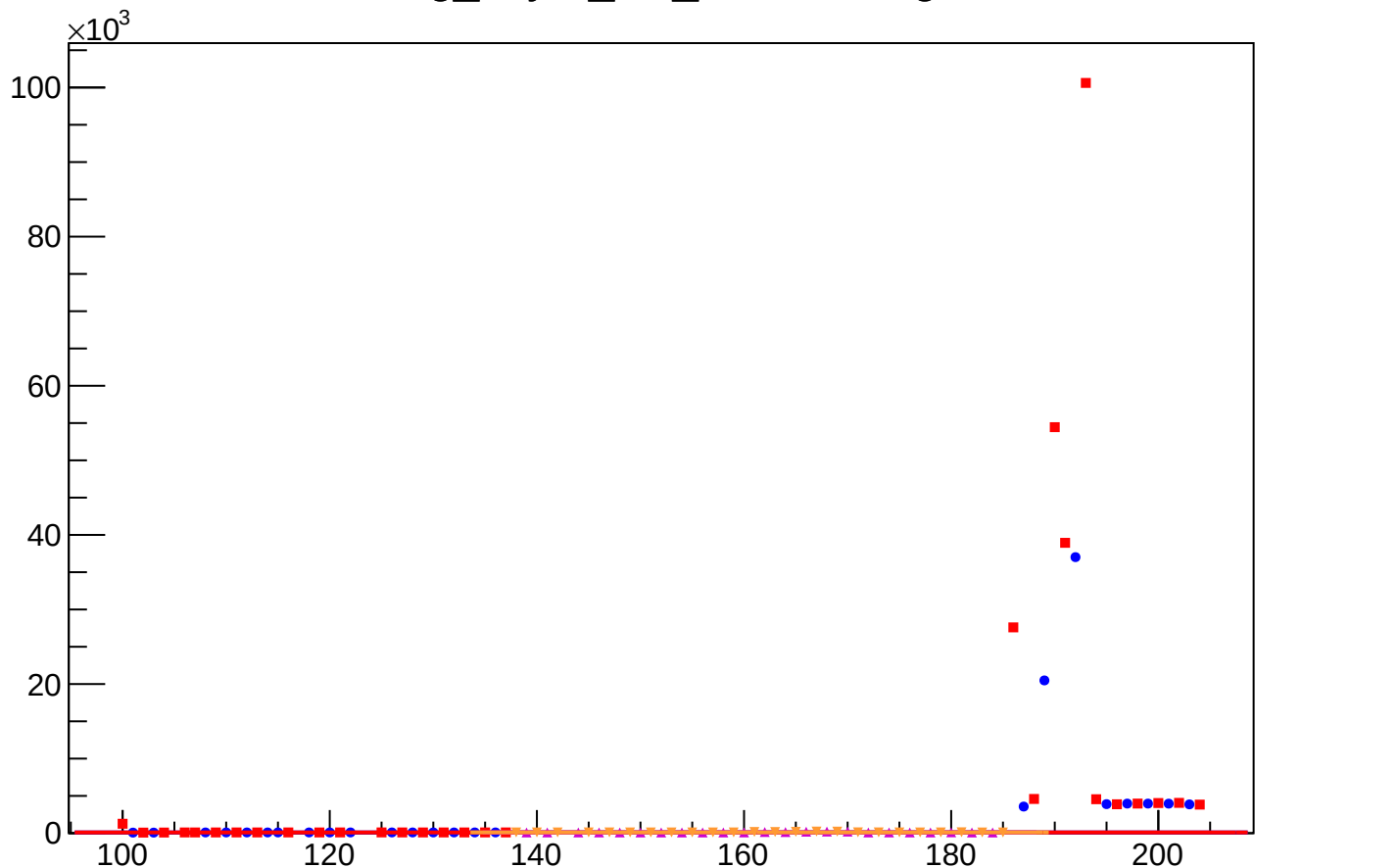
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.538 ± 21.369 χ^2/NDF : 61.2/47

All: -4.650 ± 15.125 χ^2/NDF : 117.1/99

- sign -16.886 ± 21.410 χ^2/NDF : 55.2/51

reg_asym_dsl_rms vs Slug



Right In: 95.496 $\pm$ 0.026 χ^2 /NDF: 9669532.8/23

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

Right Out: 97.924 $\pm$ 0.026 χ^2 /NDF: 10684100.9/28

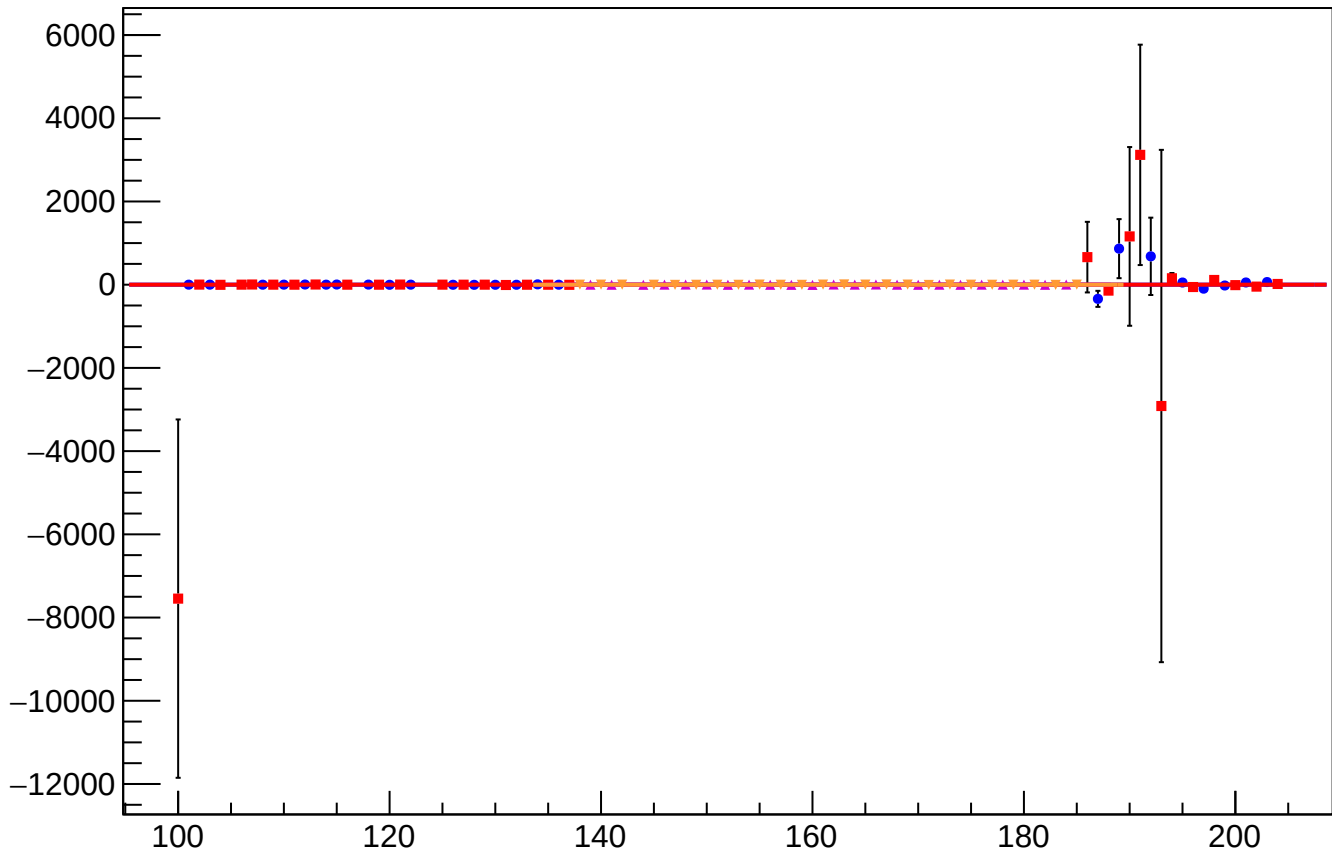
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.815 $\pm$ 0.015 χ^2 /NDF: 11259170.2/47

All: 104.089 $\pm$ 0.011 χ^2 /NDF: 23527927.0/99

- sign 104.363 $\pm$ 0.015 χ^2 /NDF: 12268099.8/51

asym_dsl_correction_mean vs Slug



Right In: 0.394 $\pm$ 0.617 χ^2 /NDF: 19.2/23

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

Right Out: 0.346 $\pm$ 0.644 χ^2 /NDF: 29.7/28

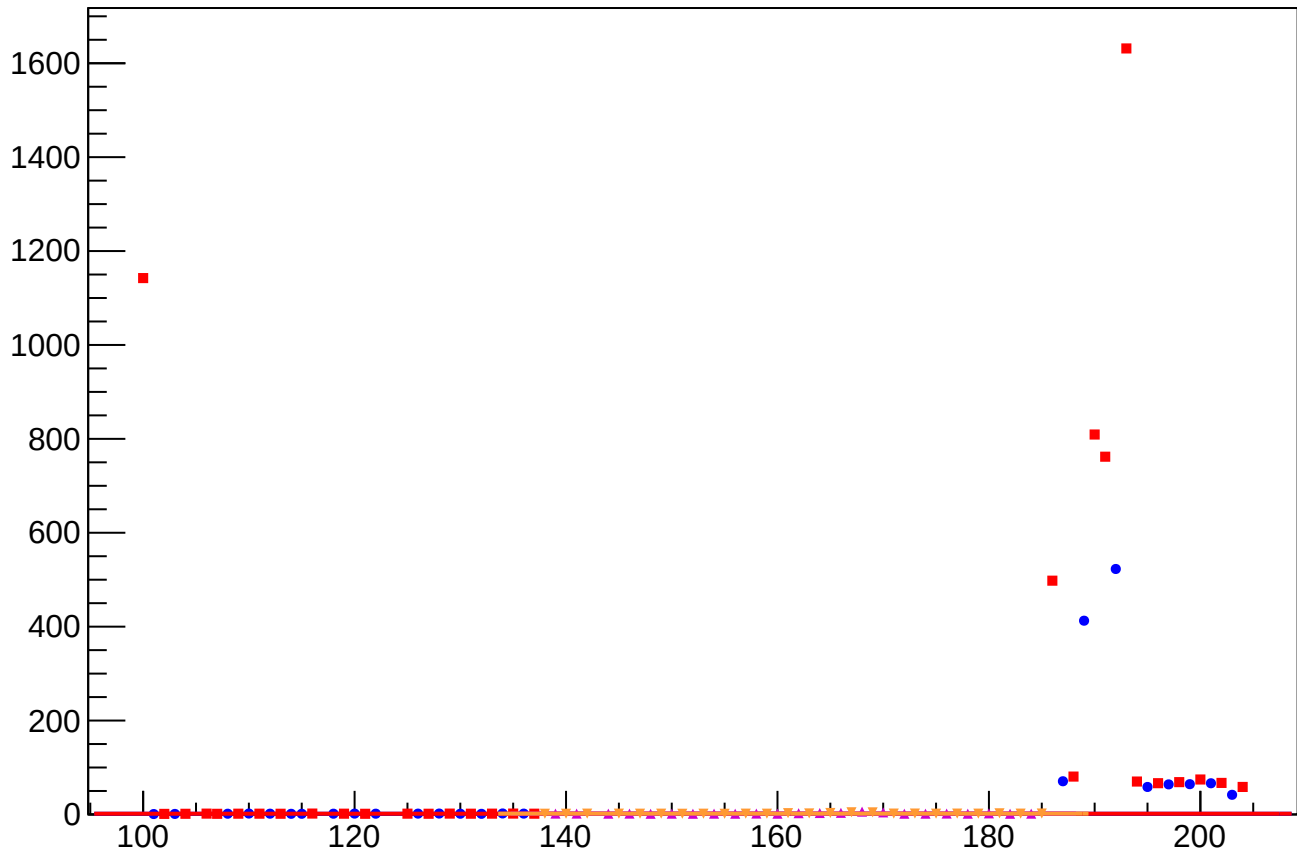
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF: 25.0/22

+ sign -0.189 $\pm$ 0.376 χ^2 /NDF: 51.1/47

All: -0.015 $\pm$ 0.270 χ^2 /NDF: 106.3/99

- sign 0.168 $\pm$ 0.387 χ^2 /NDF: 54.8/51

asym_dsl_correction_rms vs Slug



Right In: 1.442 $\pm$ 0.000 χ^2 /NDF: 8391051.5/23

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

Right Out: 1.579 $\pm$ 0.000 χ^2 /NDF: 9427265.3/28

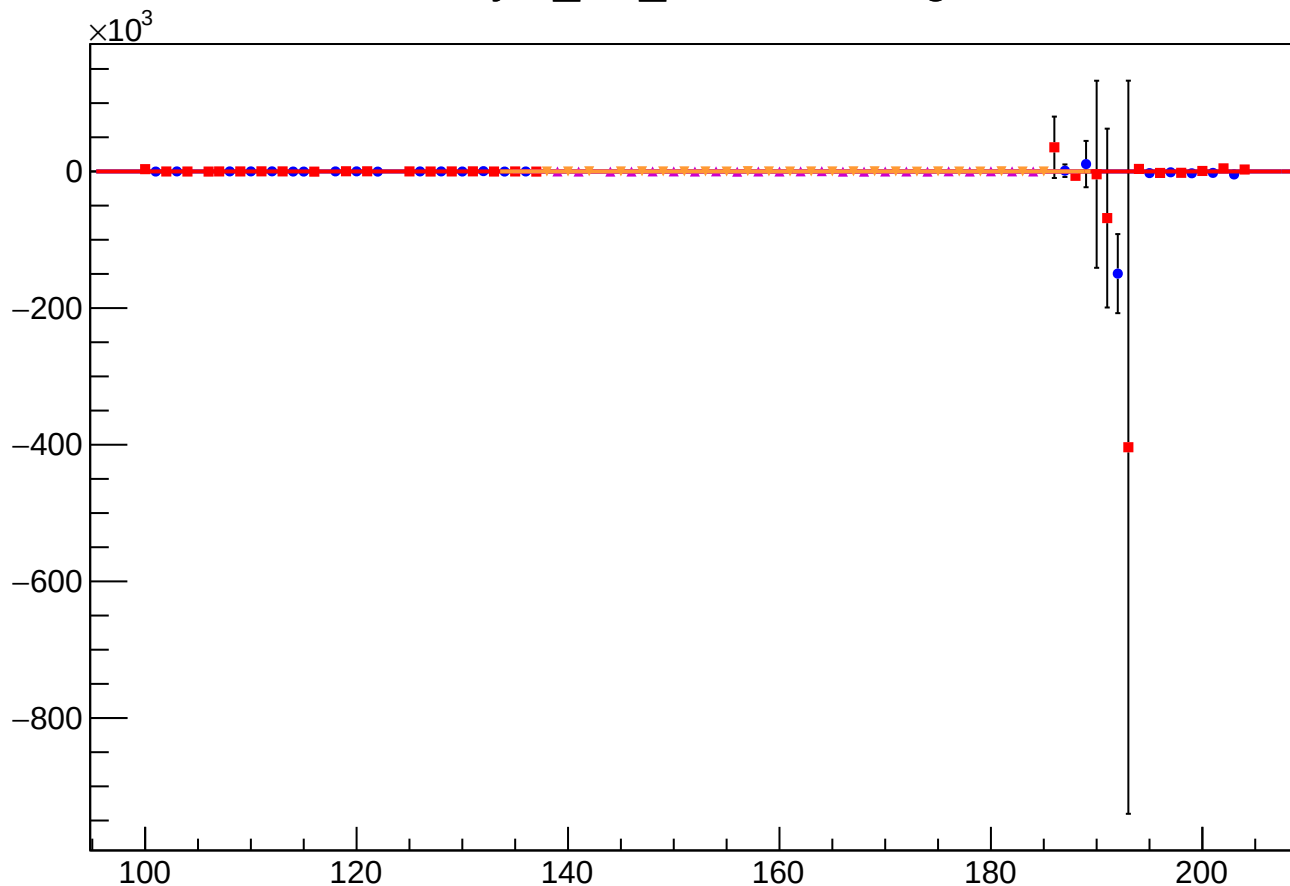
Left In: 1.802 $\pm$ 0.000 χ^2 /NDF:1921298.2/22

+ sign 1.649 $\pm$ 0.000 χ^2 /NDF: 10349162.9/47

All: 1.684 $\pm$ 0.000 χ^2 /NDF: 21887744.9/99

- sign 1.722 $\pm$ 0.000 χ^2 /NDF: 11501865.2/51

asym_dsl_mean vs Slug



Right In: -1.428 $\pm$ 36.774 χ^2 /NDF: 25.5/23

Left Out: 12.948 $\pm$ 26.268 χ^2 /NDF:35.7/23

Right Out: -1.278 $\pm$ 36.759 χ^2 /NDF: 17.9/28

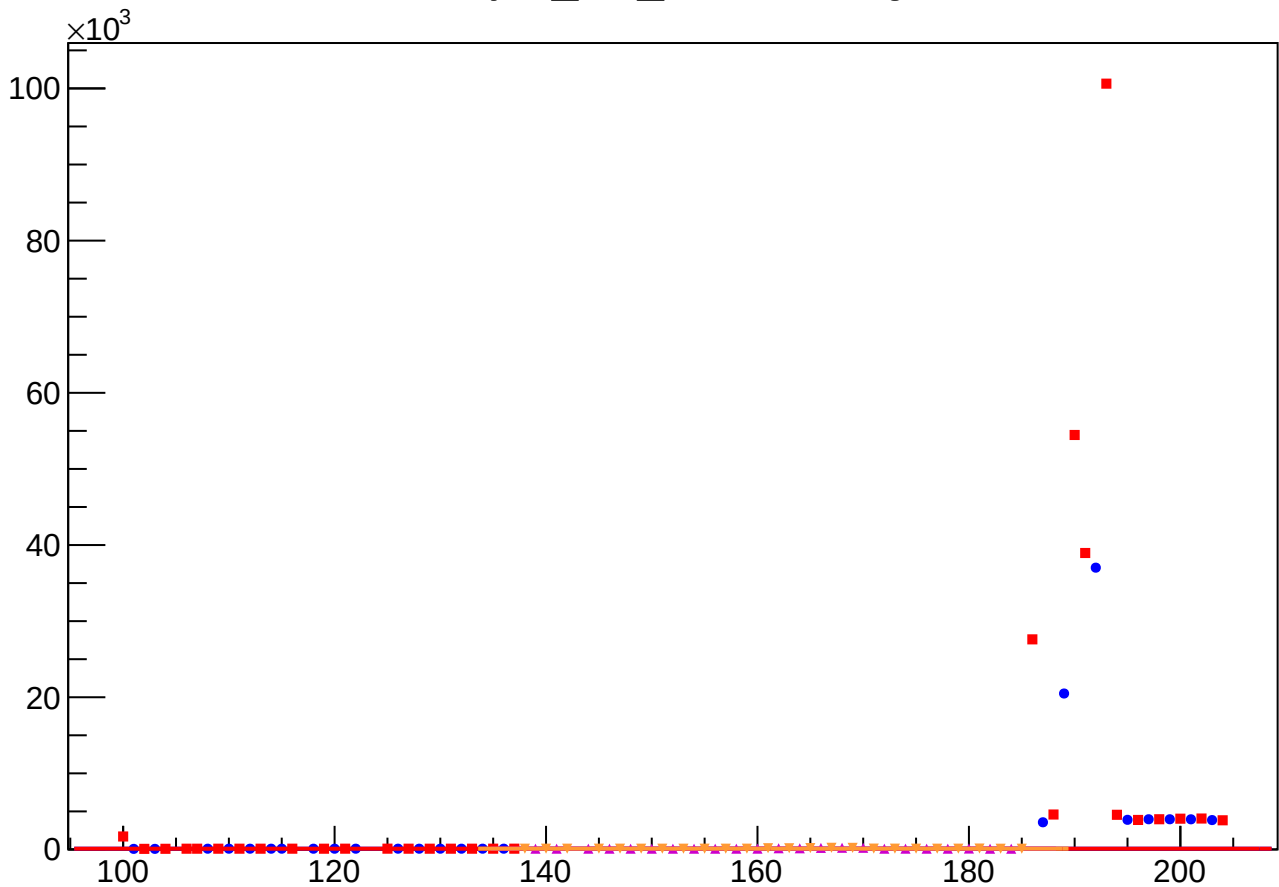
Left In: -25.312 $\pm$ 26.351 χ^2 /NDF:35.7/22

+ sign 8.091 $\pm$ 21.375 χ^2 /NDF: 61.4/47

All: -4.507 $\pm$ 15.129 χ^2 /NDF: 116.0/99

- sign -17.153 $\pm$ 21.417 χ^2 /NDF: 53.9/51

asym_dsl_rms vs Slug



Right In: 95.520+/-0.026 χ^2/NDF : 9669520.6/23

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

Right Out: 97.933+/-0.026 χ^2/NDF : 10689364.5/28

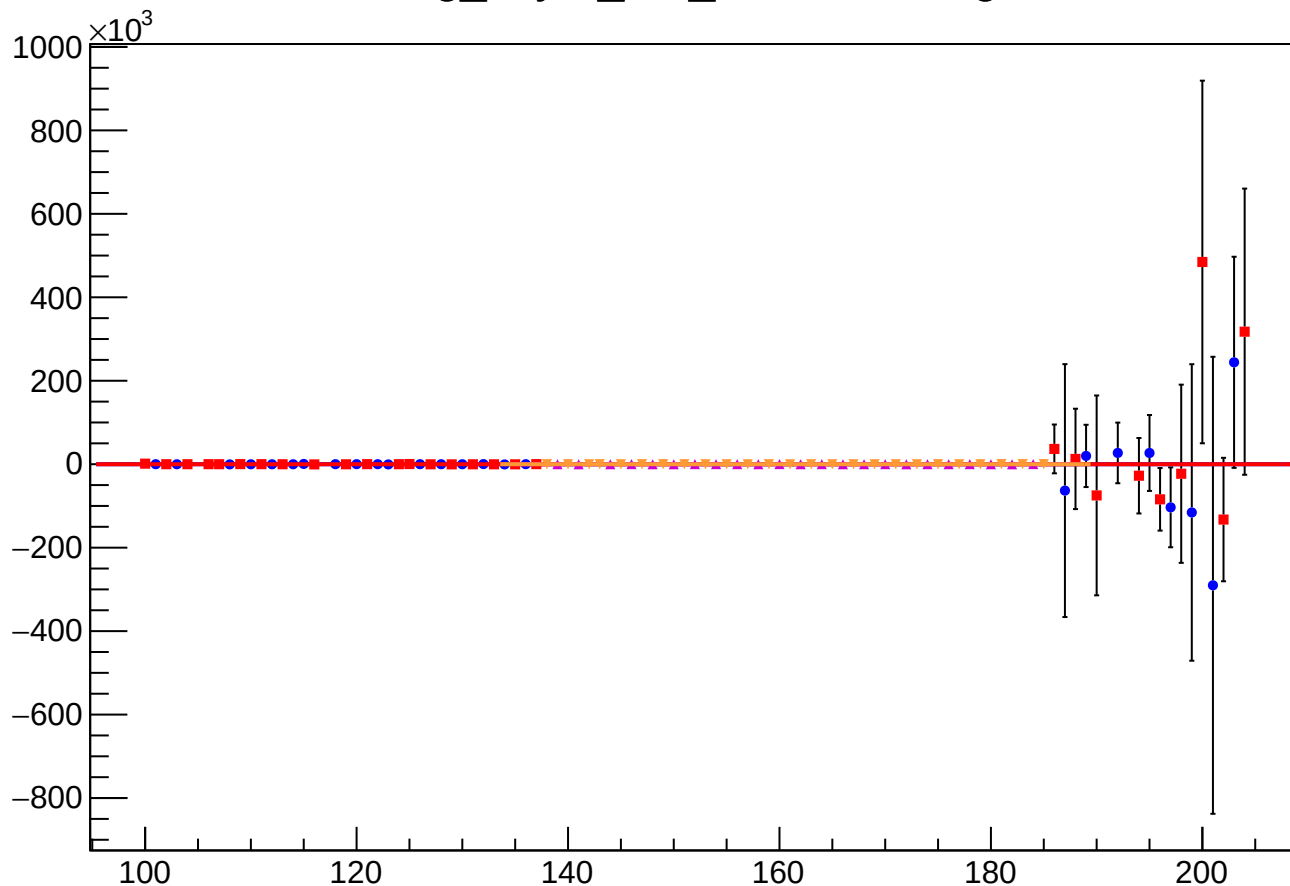
Left In: 107.703+/-0.019 χ^2/NDF :1492338.5/22

+ sign 103.844+/-0.015 χ^2/NDF : 11260615.0/47

All: 104.115+/-0.011 χ^2/NDF : 23536284.0/99

- sign 104.387+/-0.015 χ^2/NDF : 12275024.6/51

reg_asym_dsr_mean vs Slug



Right In: -26.793 ± 46.841 χ^2/NDF : 17.3/24

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

Right Out: -53.405 ± 47.775 χ^2/NDF : 20.2/27

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

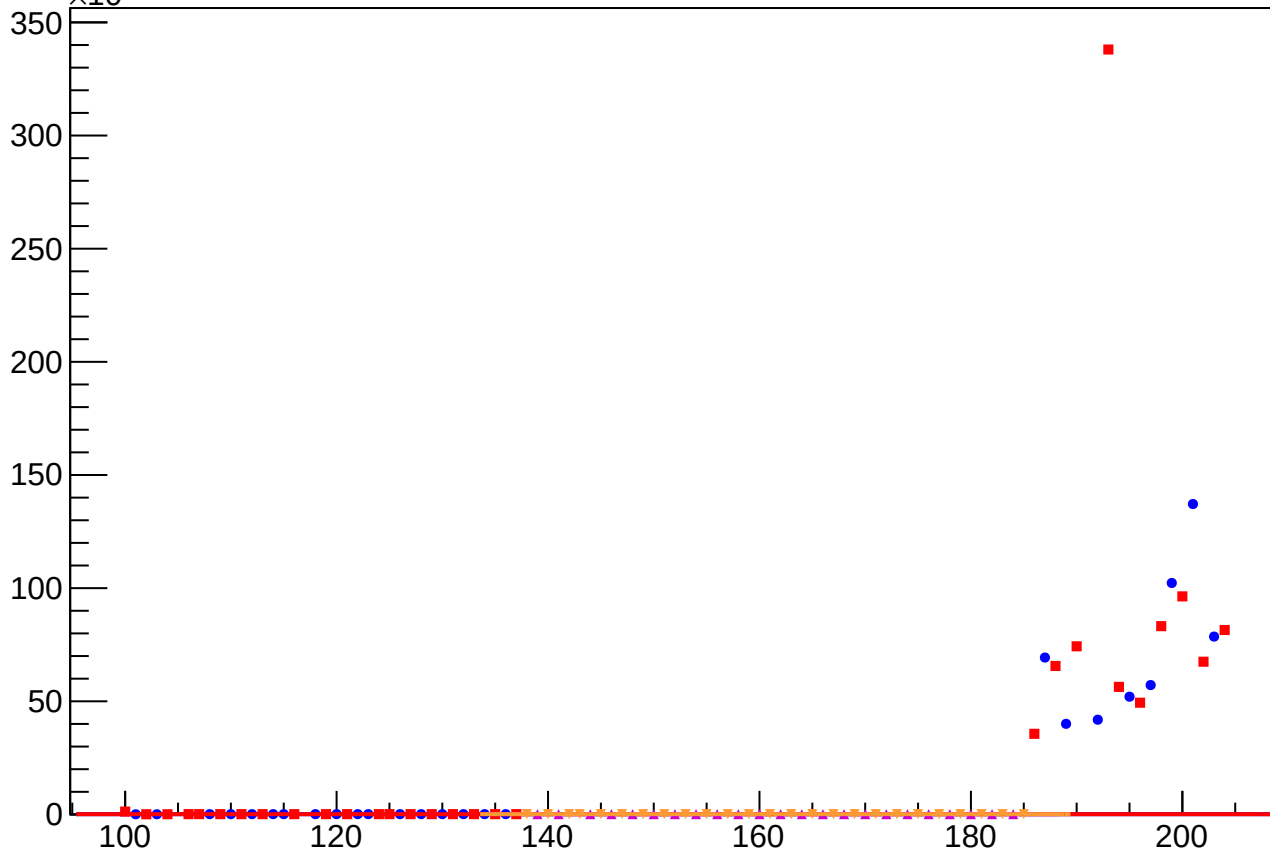
+ sign -17.285 ± 26.458 χ^2/NDF : 29.3/49

All: 4.344 ± 18.939 χ^2/NDF : 74.3/100

- sign 27.069 ± 27.121 χ^2/NDF : 43.6/50

reg_asym_dsr_rms vs Slug

$\times 10^3$



Right In: 117.838 $\pm$ 0.033 χ^2 /NDF: 4416904.4/24

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

Right Out: 124.820 $\pm$ 0.034 χ^2 /NDF: 5268232.2/28

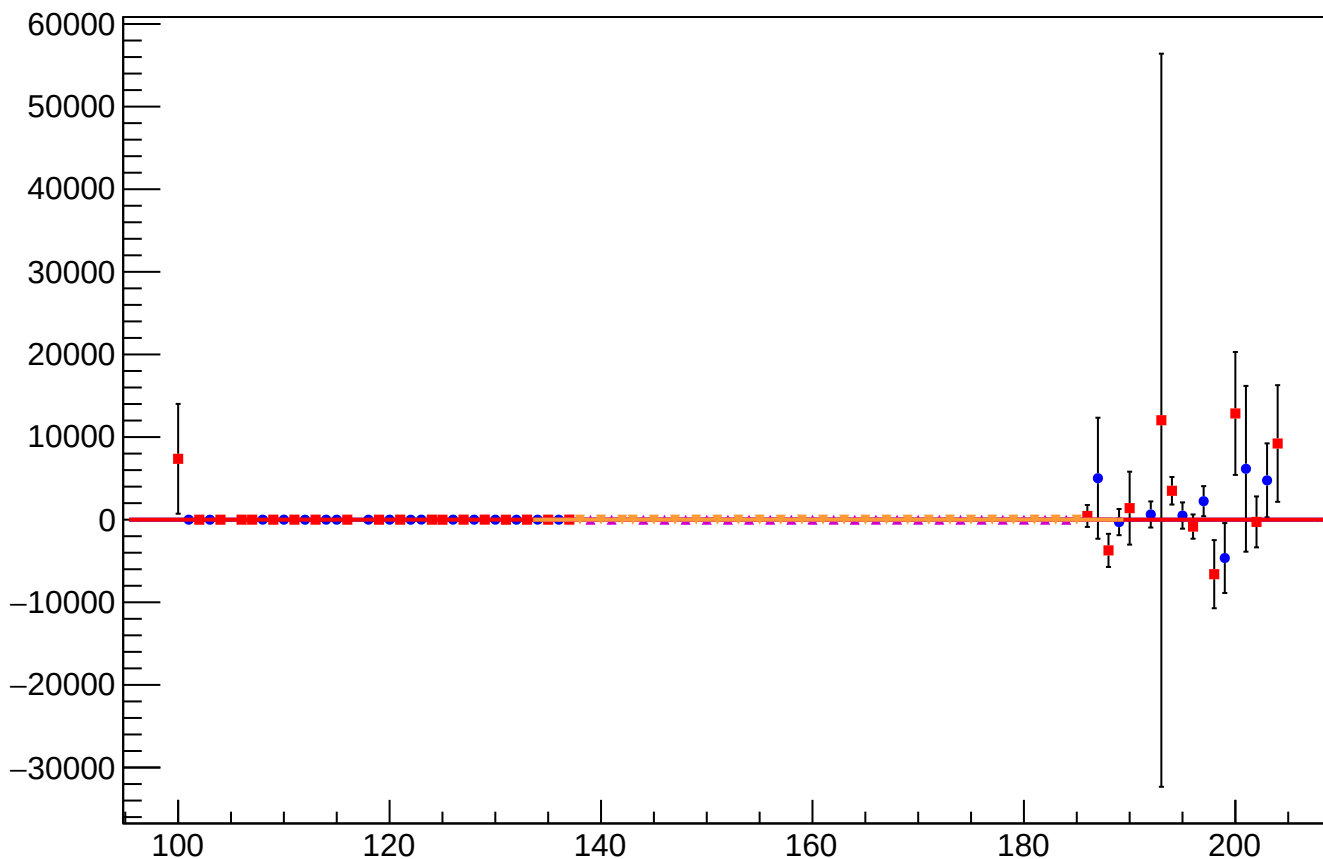
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.469 $\pm$ 0.019 χ^2 /NDF: 4666093.1/49

All: 132.518 $\pm$ 0.013 χ^2 /NDF: 10041351.9/10

- sign 133.620 $\pm$ 0.019 χ^2 /NDF: 5368816.0/51

asym_dsr_correction_mean vs Slug



Right In: -0.718 ± 0.810 χ^2/NDF : 17.2/24

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

Right Out: 0.638 ± 0.852 χ^2/NDF : 30.4/28

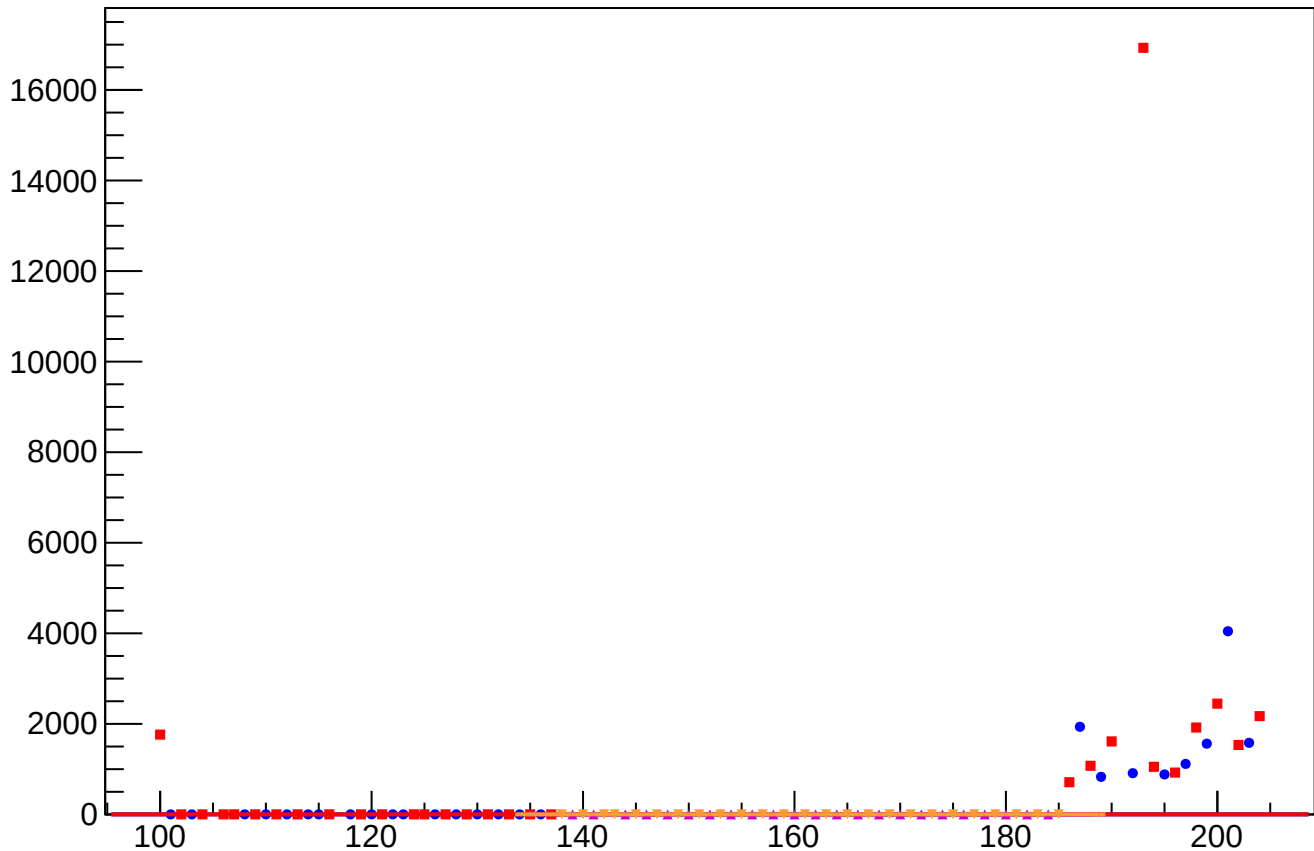
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 47.7/49

All: 0.046 ± 0.334 χ^2/NDF : 99.6/101

- sign 0.003 ± 0.479 χ^2/NDF : 51.9/51

asym_dsr_correction_rms vs Slug



Right In: 1.866 $\pm$ 0.001 χ^2 /NDF: 4049936.6/24

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

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 5145331.0/28

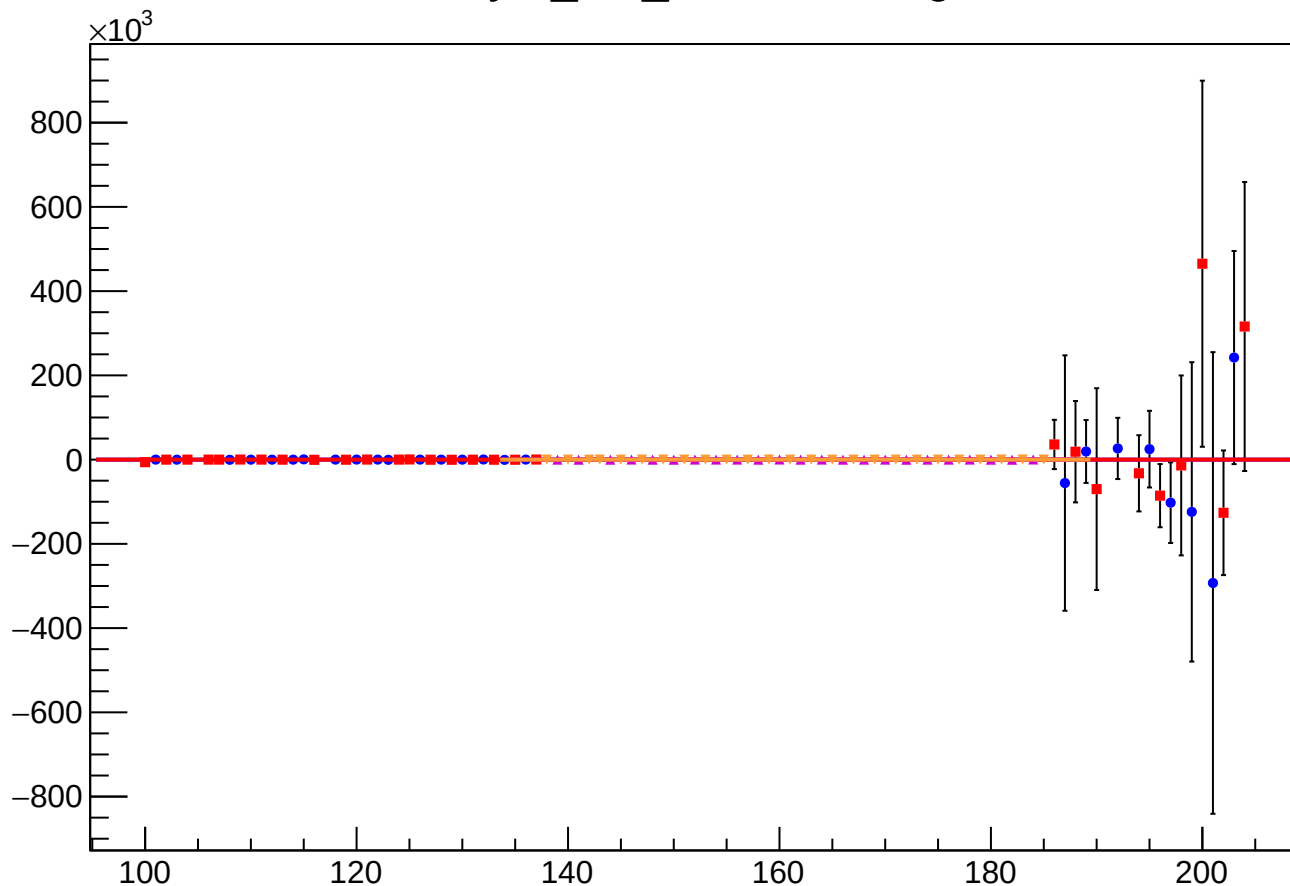
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF: 510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 4743107.6/49

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 10432390.9/101

- sign 2.152 $\pm$ 0.000 χ^2 /NDF: 5687056.2/51

asym_dsr_mean vs Slug



Right In: -25.056 ± 46.854 χ^2/NDF : 17.3/24

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

Right Out: -54.307 ± 47.789 χ^2/NDF : 20.7/27

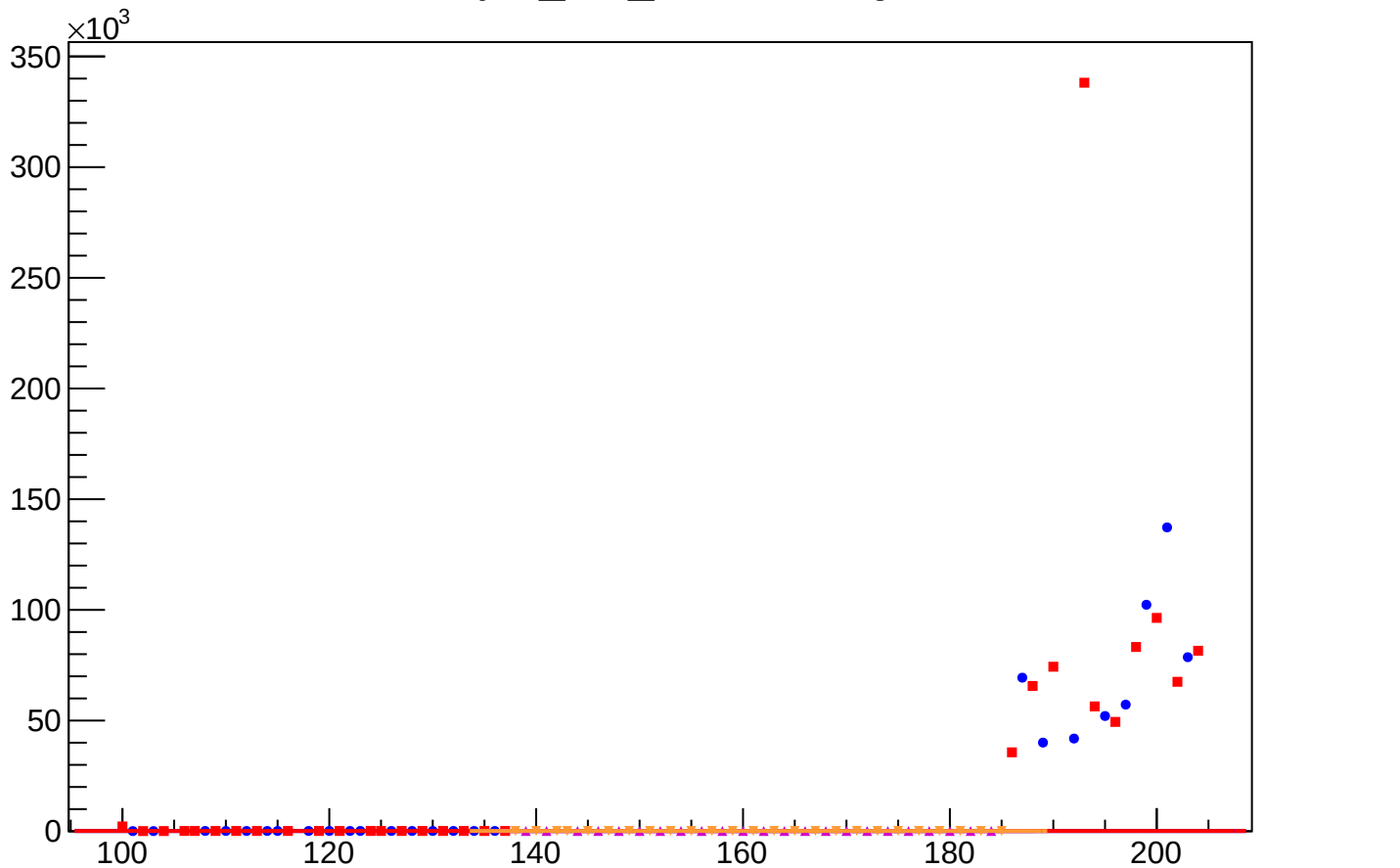
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.107 ± 26.465 χ^2/NDF : 29.1/49

All: 4.259 ± 18.944 χ^2/NDF : 74.7/100

- sign 26.709 ± 27.129 χ^2/NDF : 44.3/50

asym_dsr_rms vs Slug



Right In: 117.870 $\pm$ 0.033 χ^2 /NDF: 4417037.2/24

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

Right Out: 124.809 $\pm$ 0.034 χ^2 /NDF: 5278898.7/28

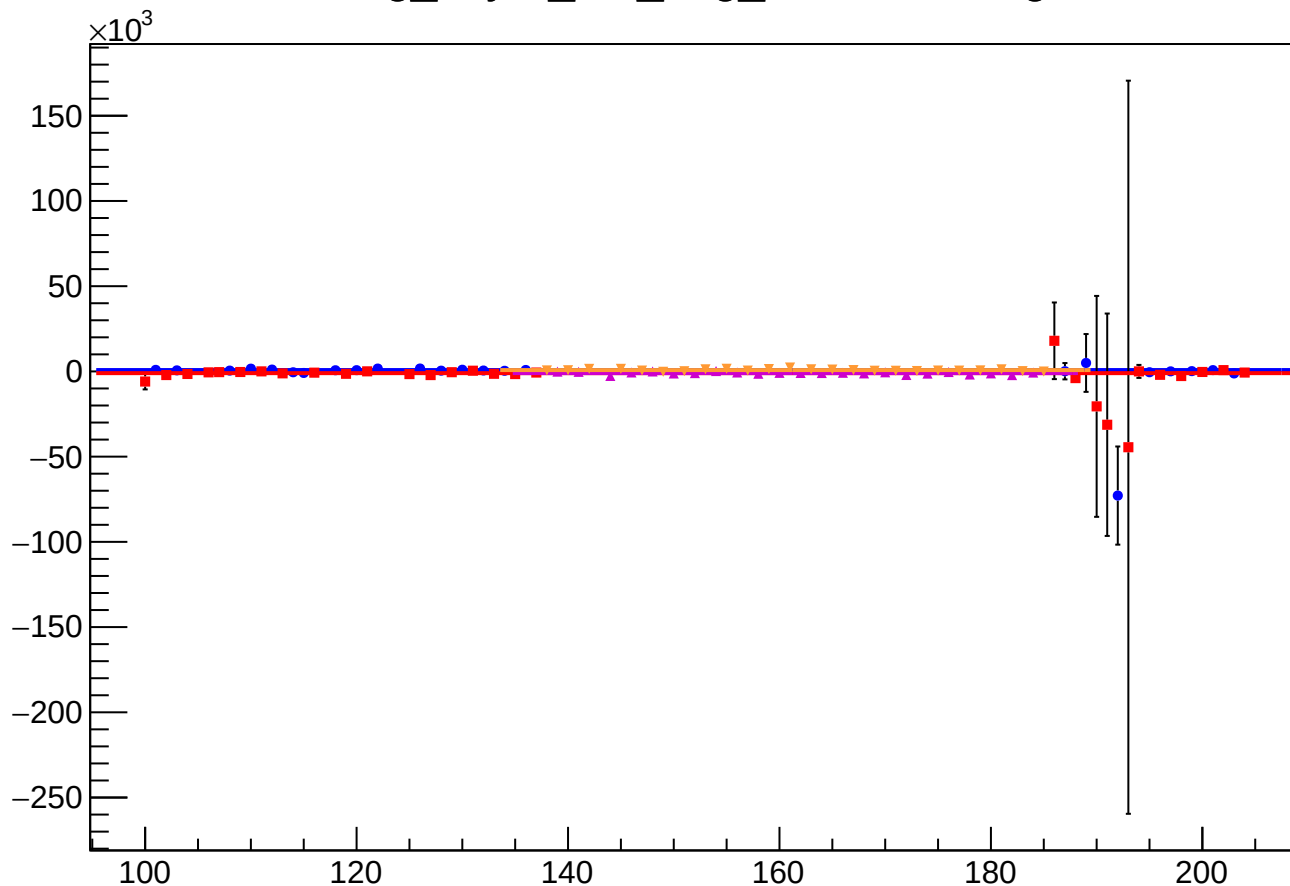
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.506 $\pm$ 0.019 χ^2 /NDF: 4666257.1/49

All: 132.548 $\pm$ 0.013 χ^2 /NDF: 10052807.2/100

- sign 133.643 $\pm$ 0.019 χ^2 /NDF: 5380191.6/51

reg_asym_left_avg_mean vs Slug



Right In: 798.541 $\pm$ 211.663 χ^2 /NDF: 13.2/23

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

Right Out: -1014.627 $\pm$ 208.260 χ^2 /NDF: 17.5/28

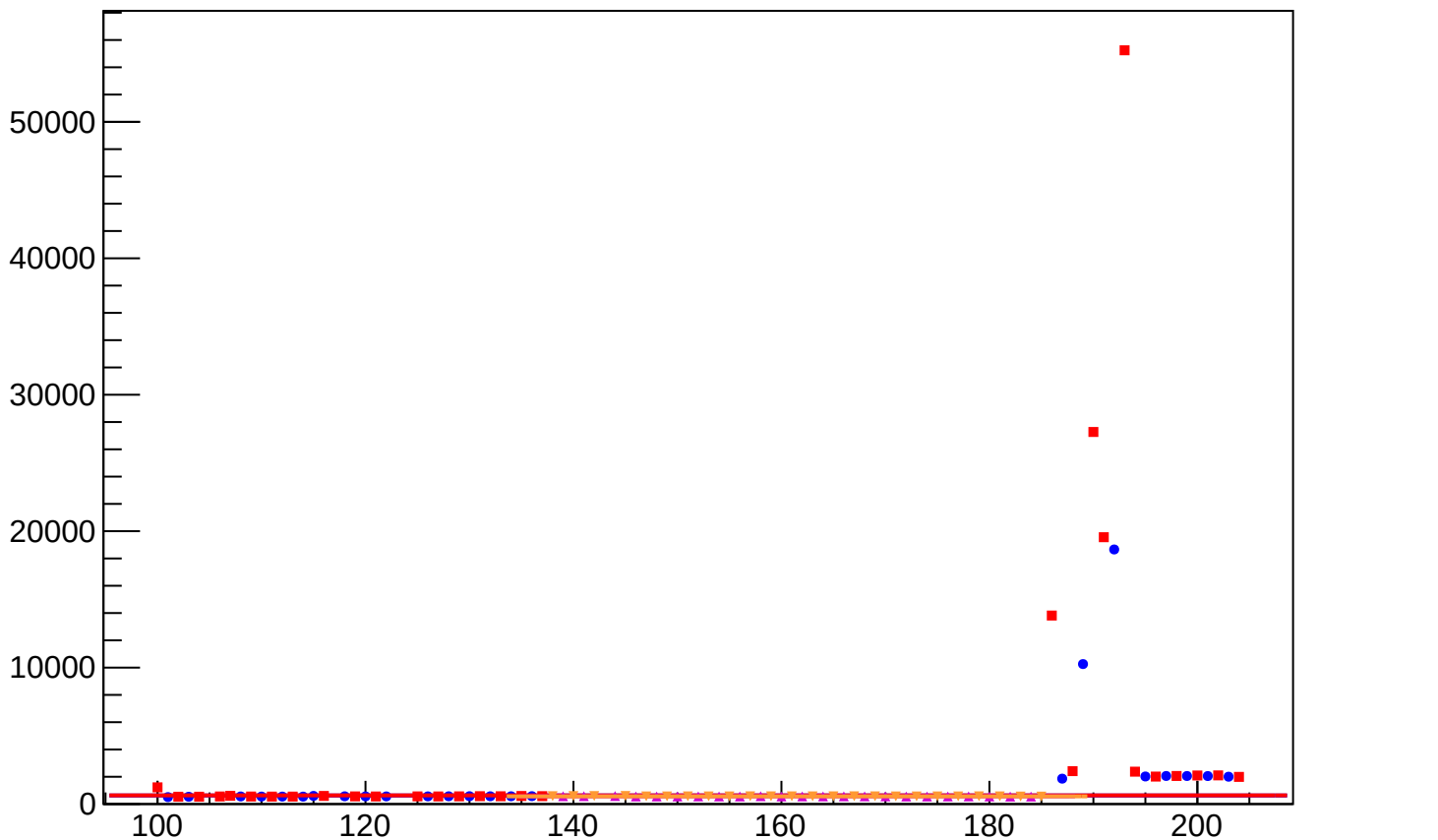
Left In: -974.402 $\pm$ 134.932 χ^2 /NDF: 27.4/22

+ sign 788.428 $\pm$ 113.251 χ^2 /NDF: 32.4/47

All: -99.010 $\pm$ 80.077 χ^2 /NDF: 200.1/99

- sign -986.295 $\pm$ 113.241 χ^2 /NDF: 44.9/51

reg_asym_left_avg_rms vs Slug



Right In: 626.338+/-0.150 χ^2/NDF : 5661271.5/23

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

Right Out: 635.797+/-0.147 χ^2/NDF : 6315588.7/28

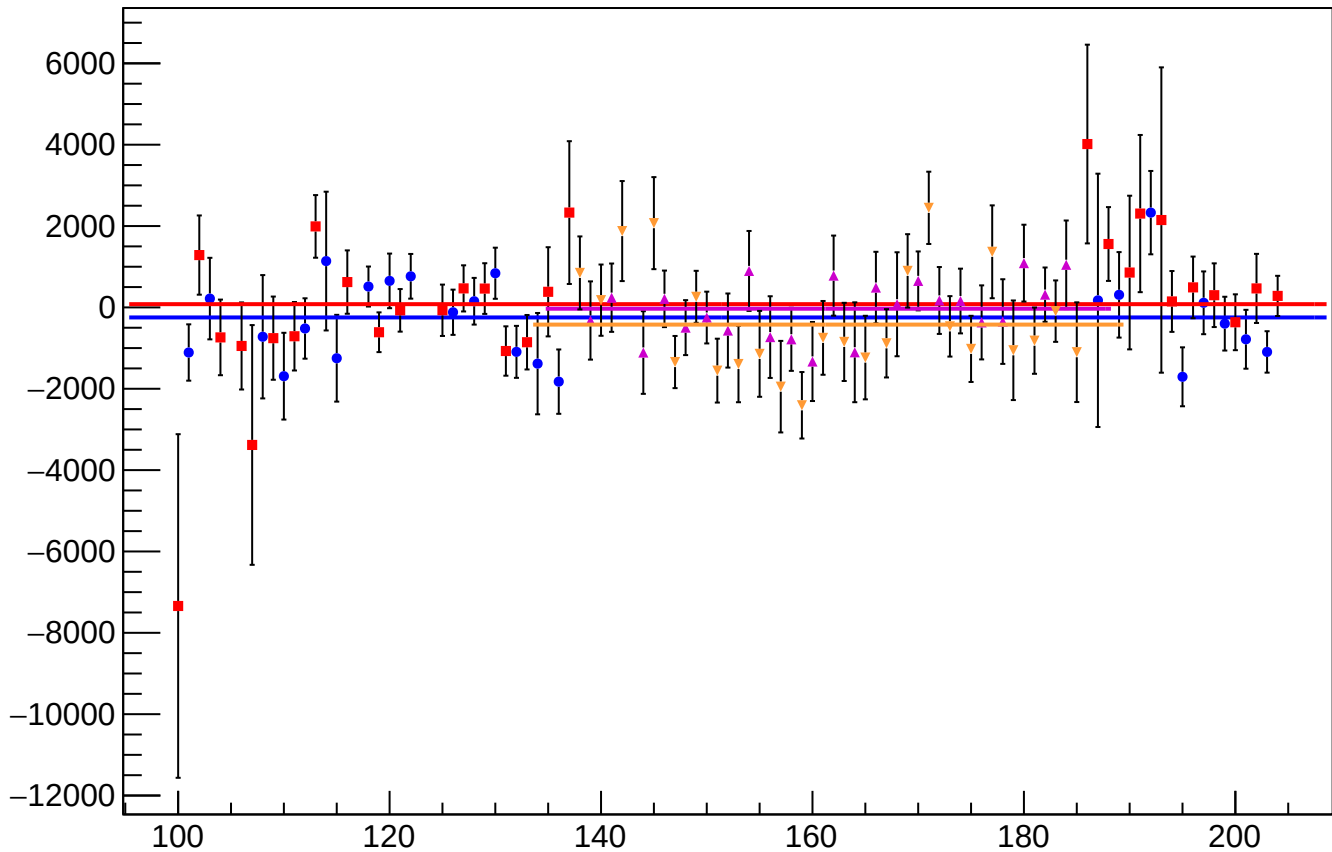
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 581.949+/-0.080 χ^2/NDF : 5794111.4/47

All: 583.723+/-0.057 χ^2/NDF : 12285531.3/99

- sign 585.498+/-0.080 χ^2/NDF : 6490437.7/51

asym_left_avg_correction_mean vs Slug



Right In: -246.634+/-150.422 χ^2/NDF : 37.3/23

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

Right Out: 79.784+/-147.662 χ^2/NDF : 34.4/28

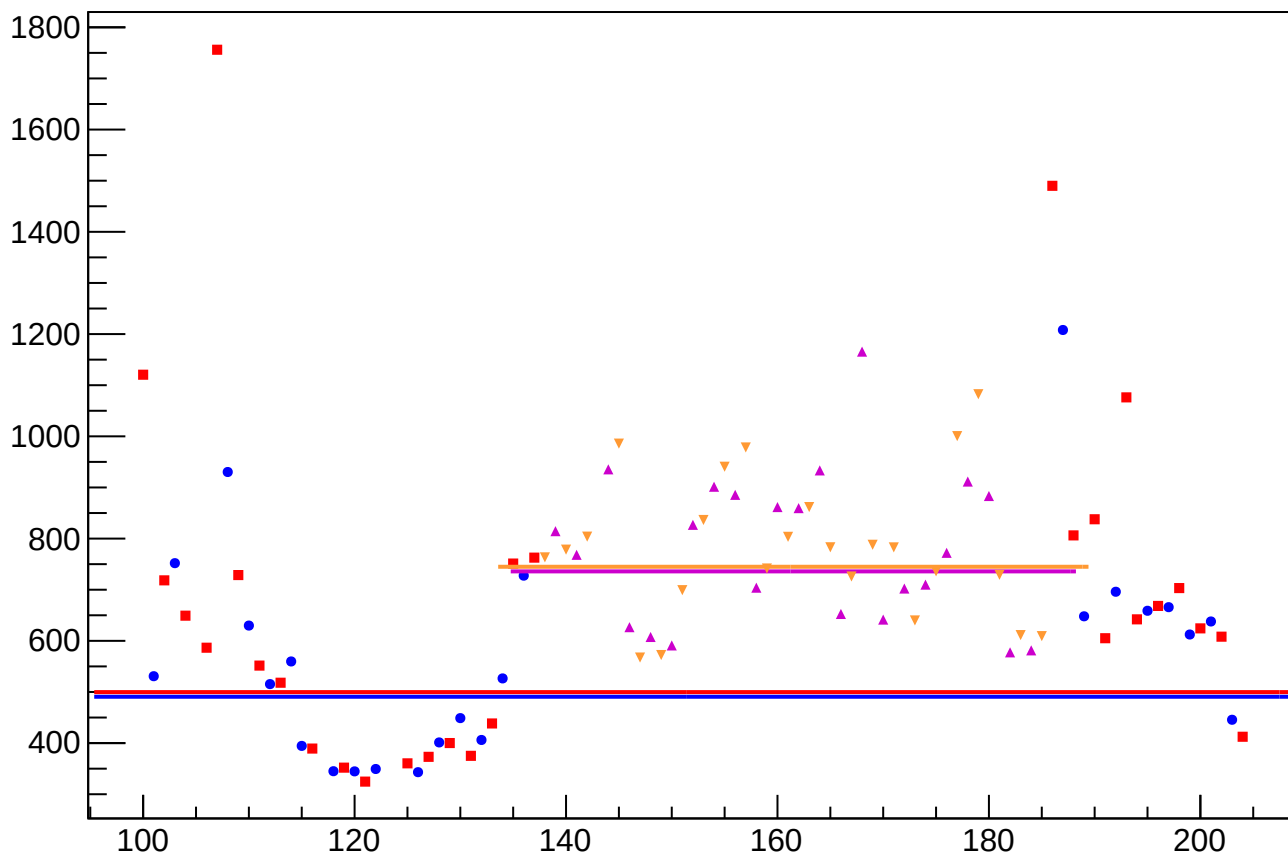
Left In: -32.411+/-179.430 χ^2/NDF : 12.2/22

+ sign -318.736+/-115.584 χ^2/NDF : 81.1/47

All: -139.717+/-81.171 χ^2/NDF : 132.6/99

- sign 34.481+/-114.017 χ^2/NDF : 46.8/51

asym_left_avg_correction_rms vs Slug



Right In: 490.676+/-0.106 χ^2/NDF : 1791416.8/23

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

Right Out: 499.747+/-0.104 χ^2/NDF : 2769208.8/28

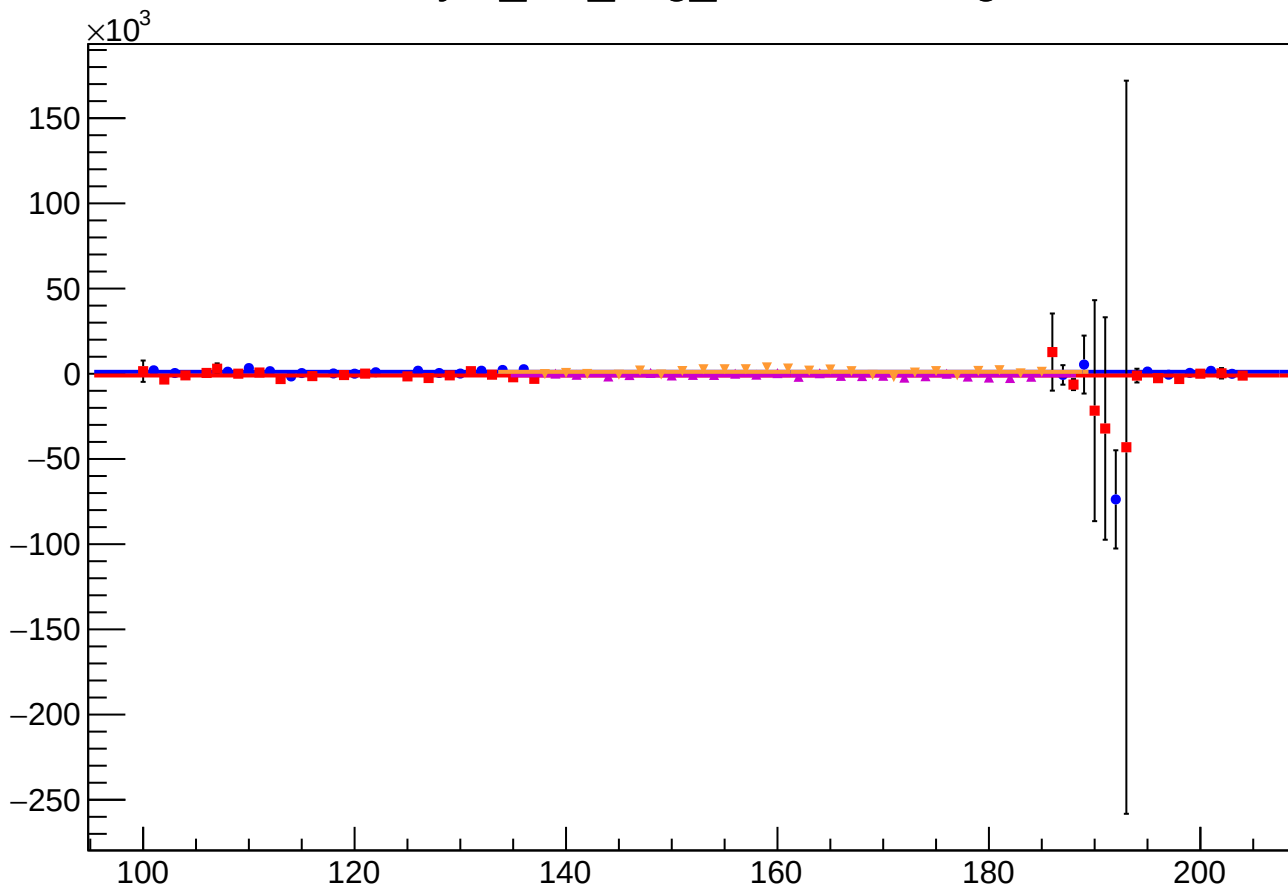
Left In: 735.850+/-0.127 χ^2/NDF :1105405.5/22

+ sign 594.799+/-0.082 χ^2/NDF : 5140114.6/47

All: 594.943+/-0.057 χ^2/NDF : 11079375.0/99

- sign 595.082+/-0.081 χ^2/NDF : 5939254.3/51

asym_left_avg_mean vs Slug



Right In: 1143.128 $\pm$ 284.826 χ^2 /NDF: 19.5/23

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

Right Out: -1013.242 $\pm$ 282.741 χ^2 /NDF: 28.2/28

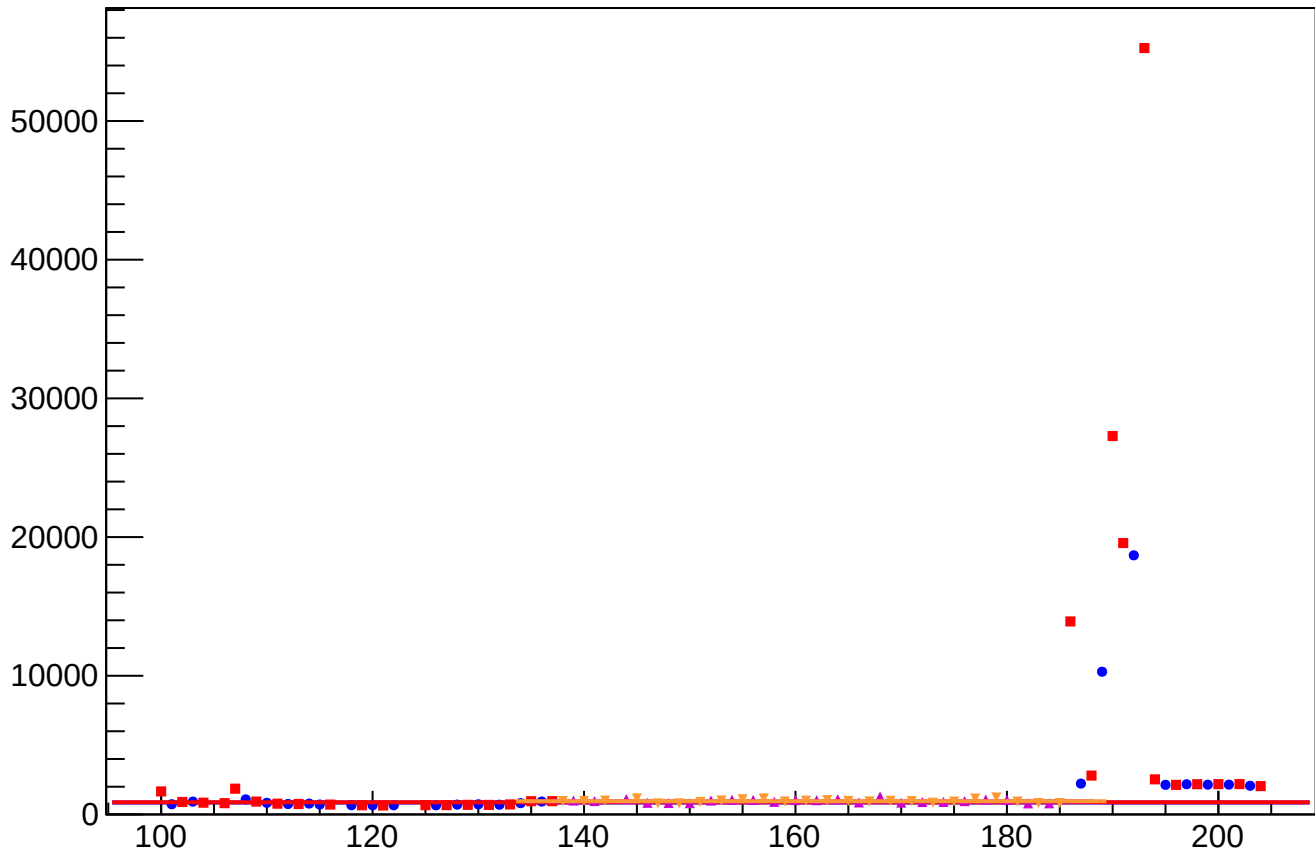
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1139.973 $\pm$ 178.392 χ^2 /NDF: 58.4/47

All: 80.539 $\pm$ 125.874 χ^2 /NDF: 171.6/99

- sign -969.940 $\pm$ 177.636 χ^2 /NDF: 43.0/51

asym_left_avg_rms vs Slug



Right In: 861.033+/-0.201 χ^2/NDF : 4881184.3/23

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

Right Out: 877.740+/-0.200 χ^2/NDF : 5730206.4/28

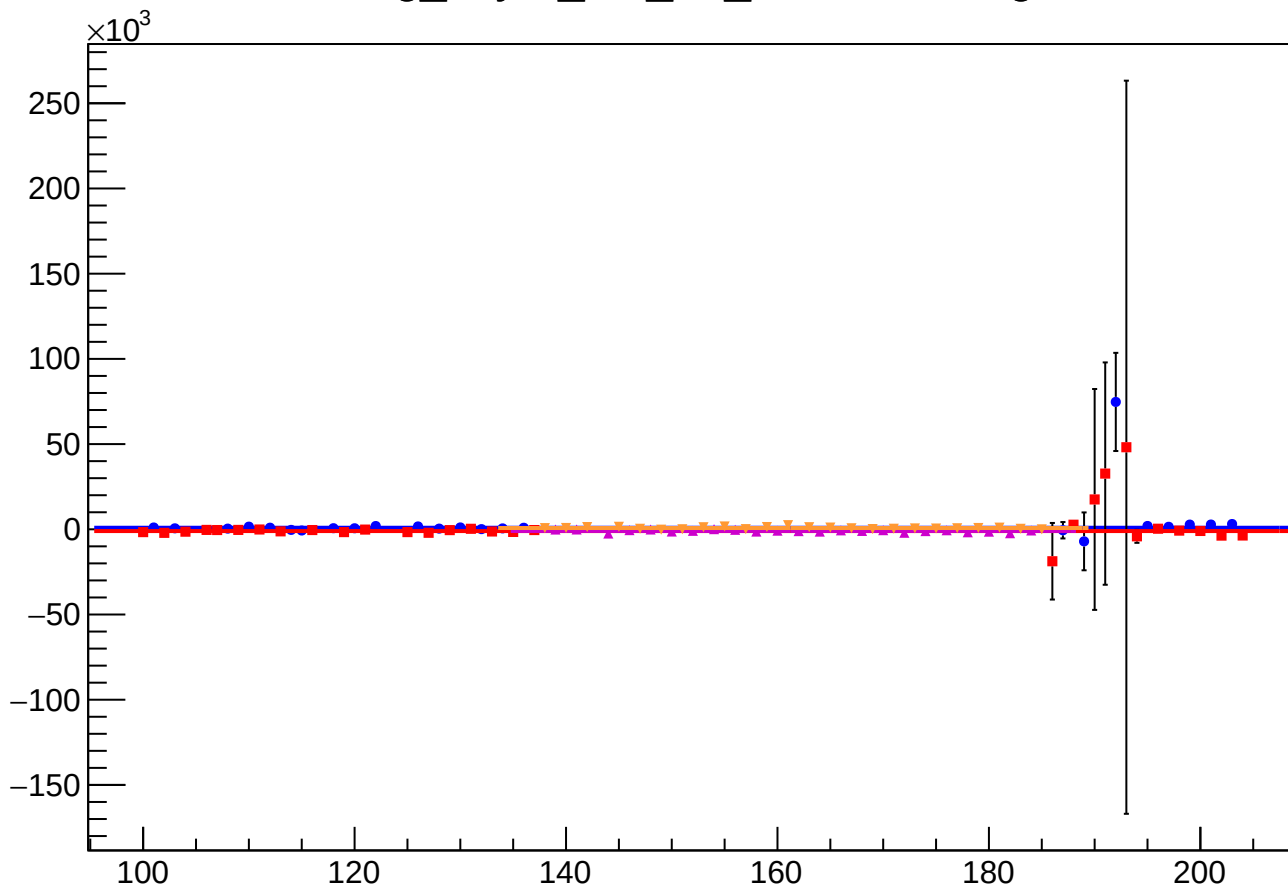
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 917.734+/-0.126 χ^2/NDF : 5471753.1/47

All: 918.572+/-0.089 χ^2/NDF : 11775161.4/99

- sign 919.403+/-0.126 χ^2/NDF : 6303320.3/51

reg_asym_left_dd_mean vs Slug



Right In: 914.147 $\pm$ 211.520 χ^2/NDF : 15.6/23

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

Right Out: -1032.887 $\pm$ 203.577 χ^2/NDF : 18.2/28

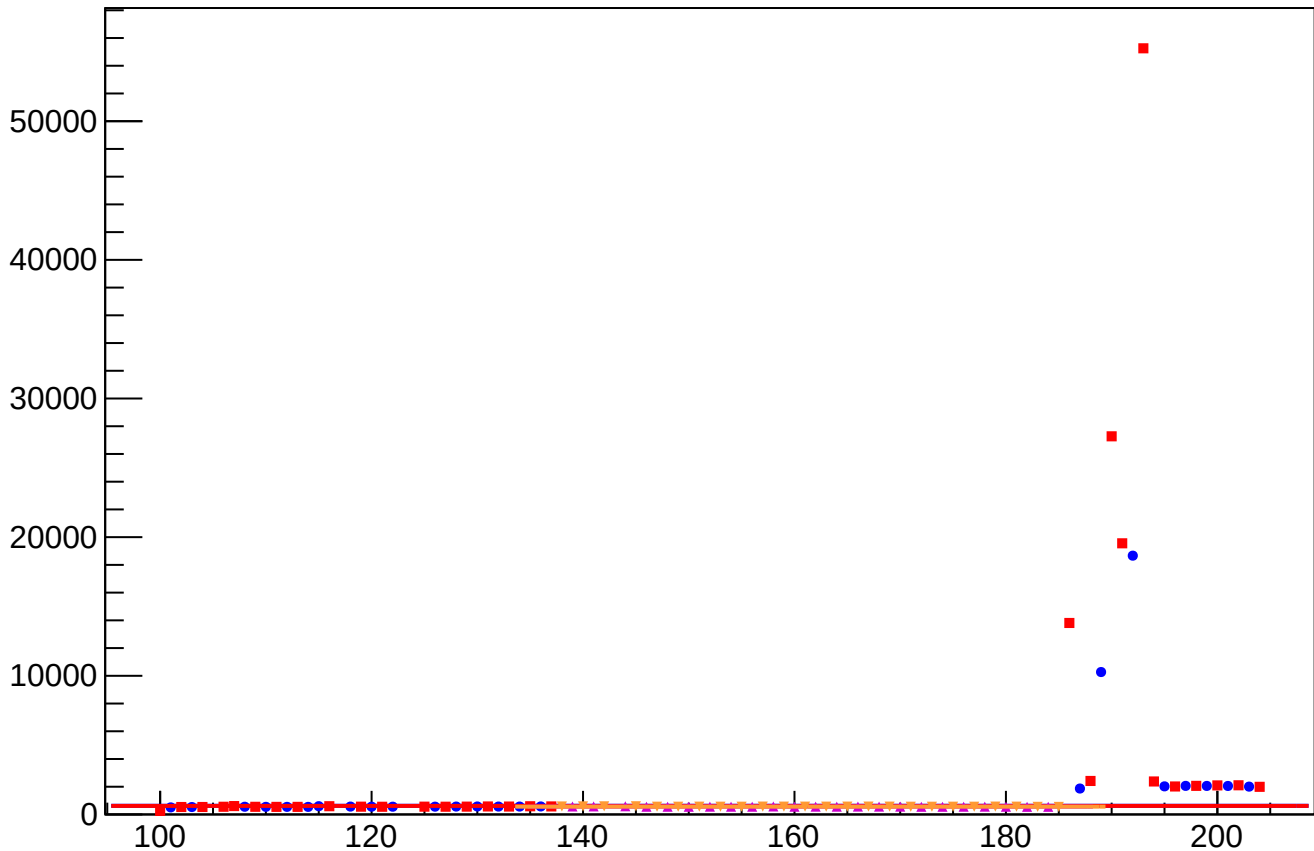
Left In: -958.517 $\pm$ 134.824 χ^2/NDF : 26.8/22

+ sign 802.437 $\pm$ 113.162 χ^2/NDF : 37.1/47

All: -95.339 $\pm$ 79.750 χ^2/NDF : 207.2/99

- sign -981.191 $\pm$ 112.408 χ^2/NDF : 45.1/51

reg_asym_left_dd_rms vs Slug



Right In: 625.765+/-0.150 χ^2/NDF : 5670086.7/23

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

Right Out: 616.900+/-0.144 χ^2/NDF : 6591465.5/28

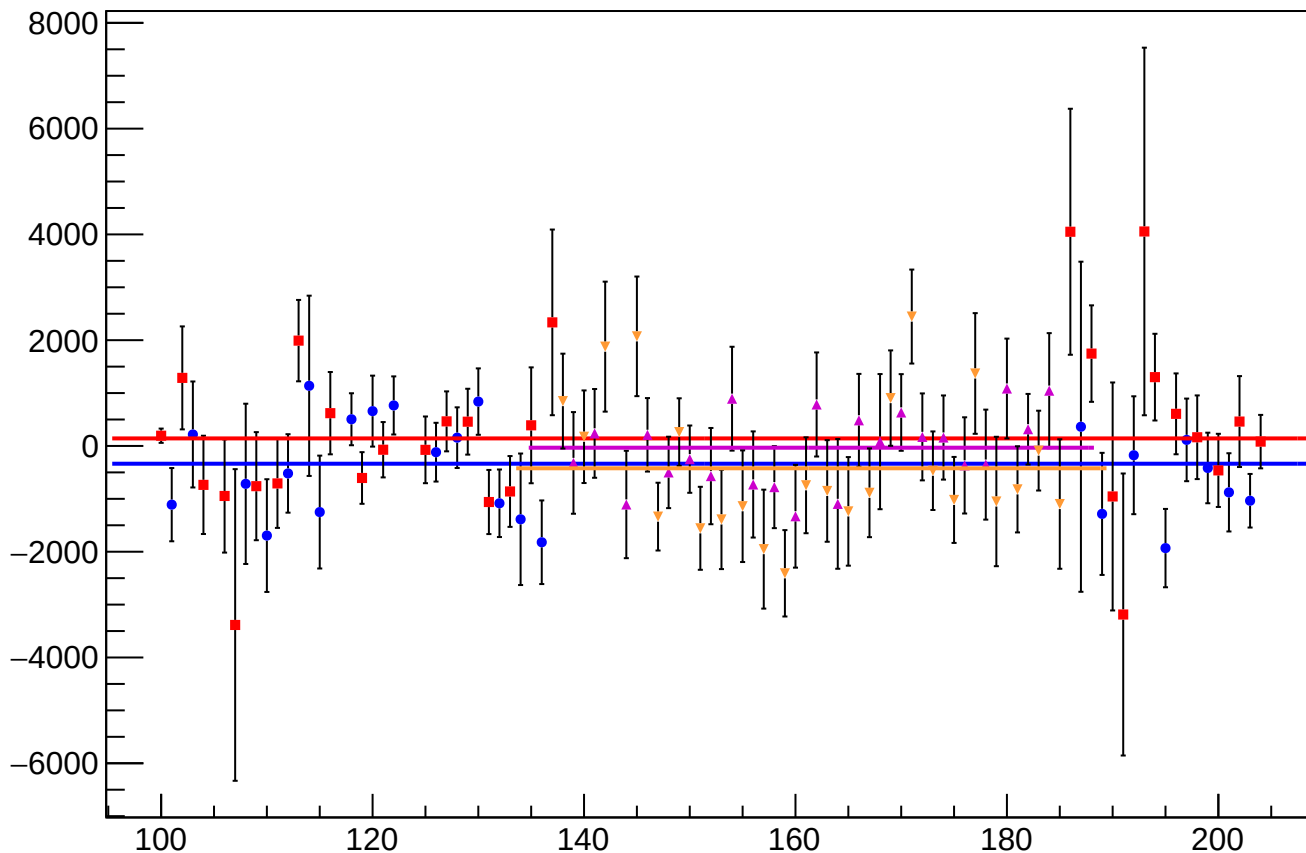
Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

+ sign 581.446+/-0.080 χ^2/NDF : 5802640.7/47

All: 580.760+/-0.056 χ^2/NDF : 12497565.3/99

- sign 580.083+/-0.079 χ^2/NDF : 6694778.4/51

asym_left_dd_correction_mean vs Slug



Right In: -335.980 ± 151.247 $\chi^2/\text{NDF}: 32.1/23$

Left Out: -422.324 ± 180.531 $\chi^2/\text{NDF}: 43.3/23$

Right Out: 142.455 ± 100.025 $\chi^2/\text{NDF}: 36.1/28$

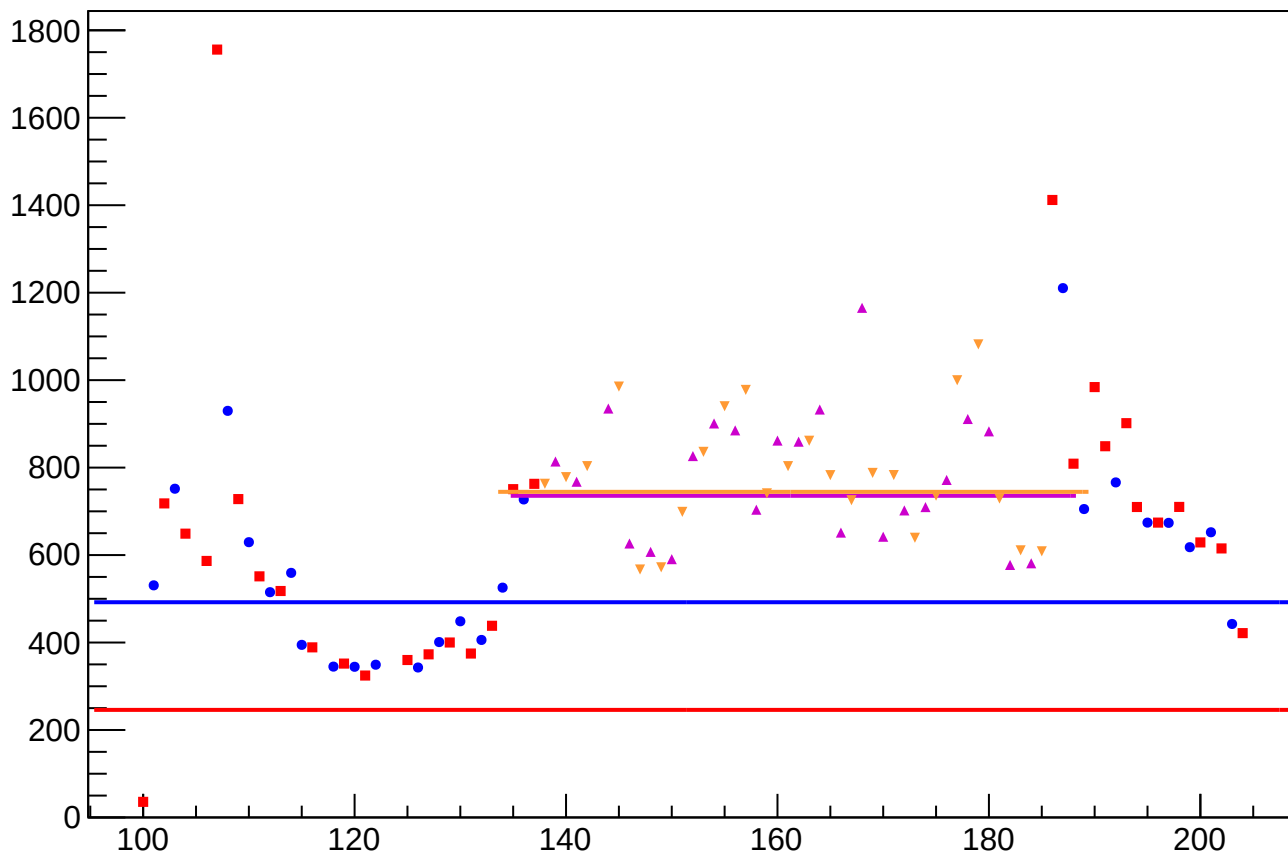
Left In: -33.325 ± 179.355 $\chi^2/\text{NDF}: 12.1/22$

+ sign -371.590 ± 115.937 $\chi^2/\text{NDF}: 75.5/47$

All: -70.304 ± 69.769 $\chi^2/\text{NDF}: 135.1/99$

- sign 100.754 ± 87.358 $\chi^2/\text{NDF}: 49.0/51$

asym_left_dd_correction_rms vs Slug



Right In: 492.144+/-0.107 χ^2/NDF : 1900594.7/23

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

Right Out: 245.977+/-0.071 χ^2/NDF : 13588523.5/28

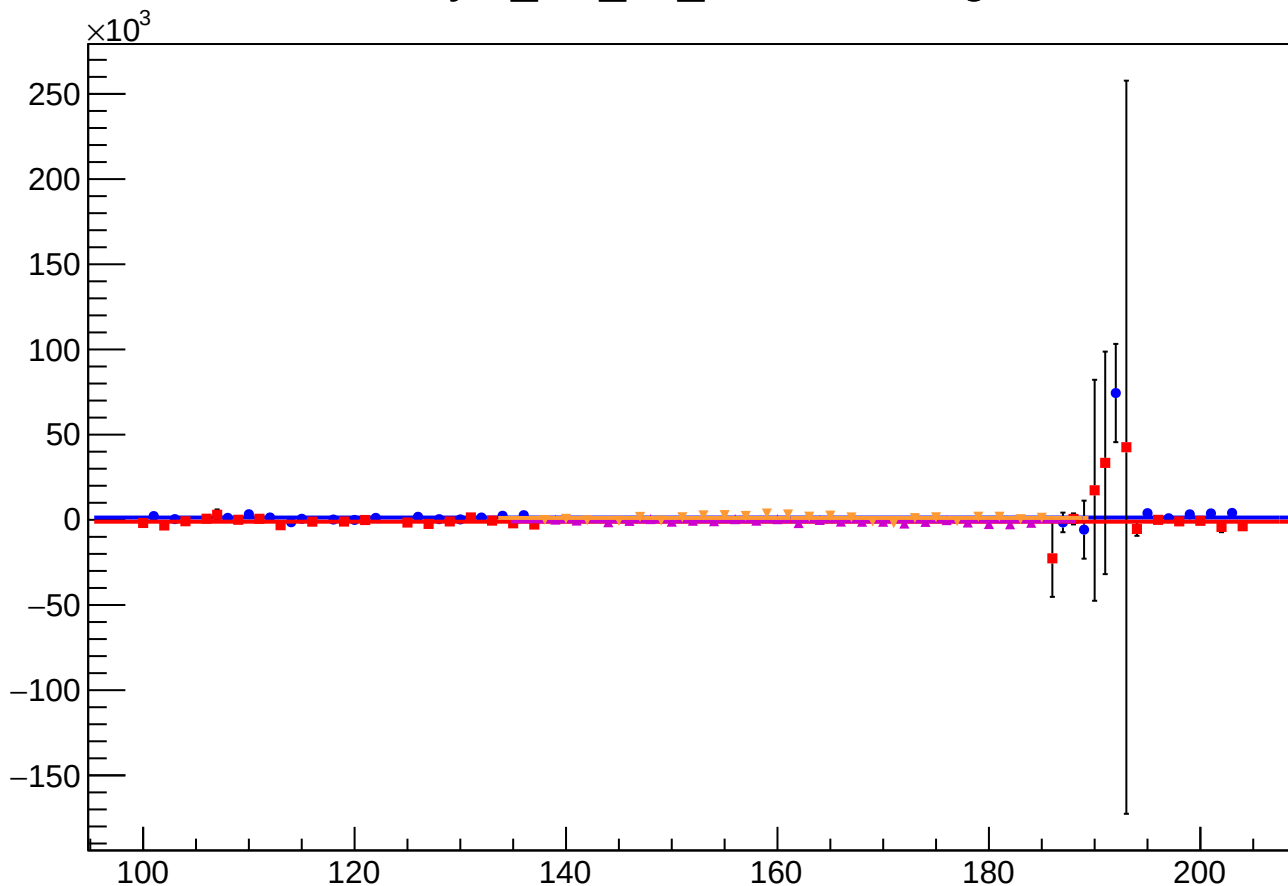
Left In: 735.543+/-0.127 χ^2/NDF :1105222.3/22

+ sign 596.260+/-0.082 χ^2/NDF : 5208229.8/47

All: 446.912+/-0.049 χ^2/NDF : 36471308.4/99

- sign 362.119+/-0.062 χ^2/NDF : 26059960.2/51

asym_left_dd_mean vs Slug



Right In: 1331.060 $\pm$ 284.702 χ^2 /NDF: 23.0/23

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

Right Out: -1096.155 $\pm$ 271.566 χ^2 /NDF: 27.6/28

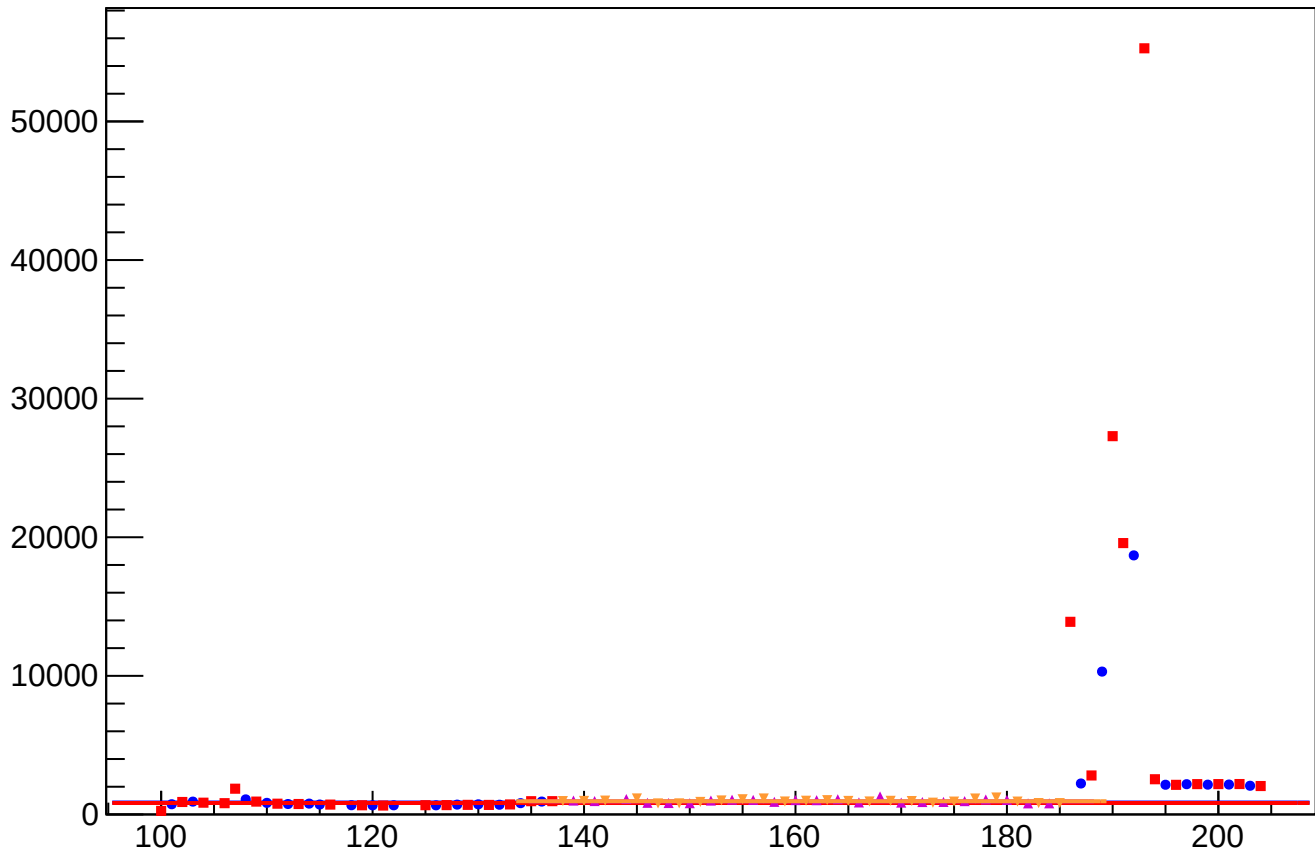
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1193.749 $\pm$ 178.298 χ^2 /NDF: 61.6/47

All: 76.294 $\pm$ 124.786 χ^2 /NDF: 181.6/99

- sign -996.587 $\pm$ 174.705 χ^2 /NDF: 43.0/51

asym_left_dd_rms vs Slug



Right In: 860.333+/-0.201 χ^2/NDF : 4895092.1/23

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

Right Out: 826.853+/-0.192 χ^2/NDF : 6465180.2/28

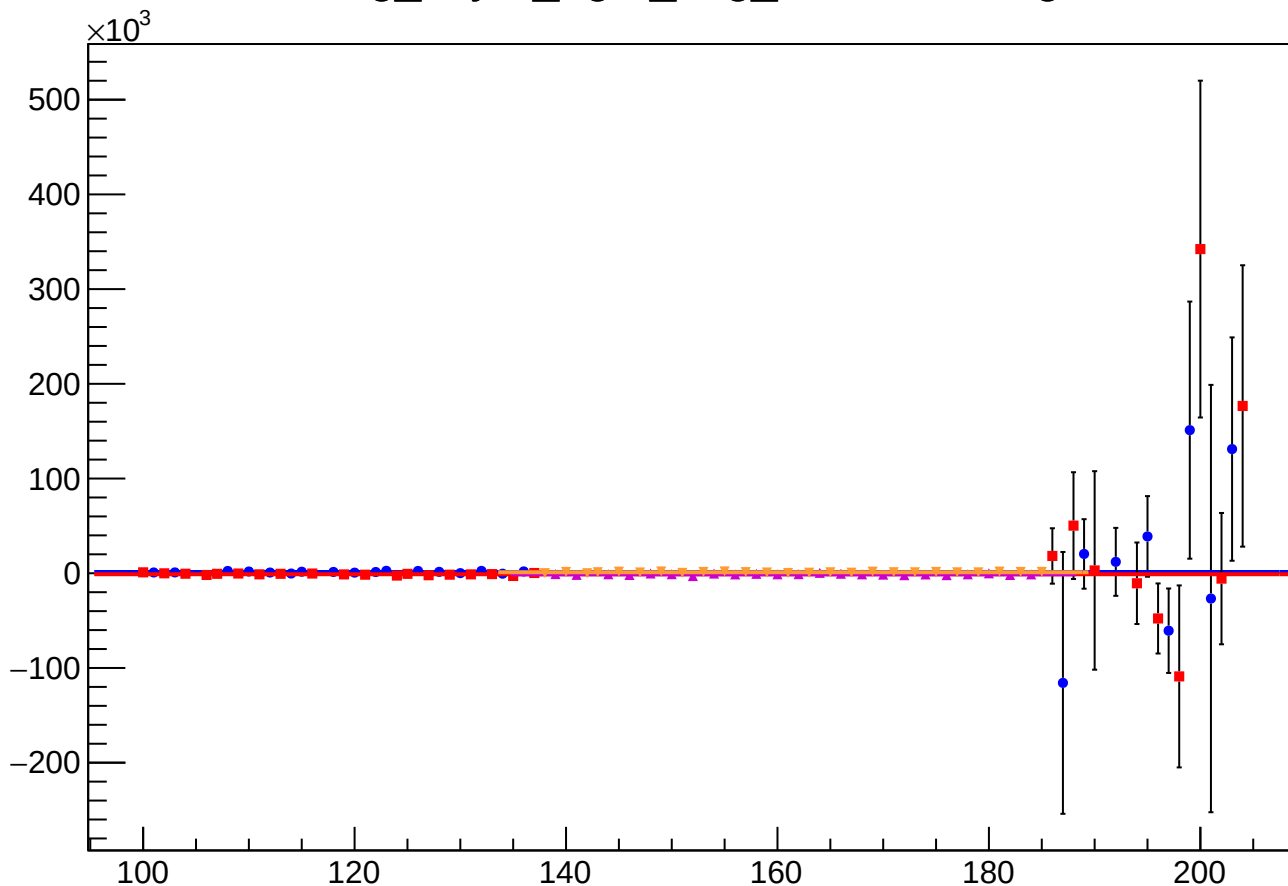
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 917.130+/-0.126 χ^2/NDF : 5486266.5/47

All: 906.714+/-0.088 χ^2/NDF : 12692078.3/99

- sign 896.713+/-0.124 χ^2/NDF : 7192431.2/51

reg_asym_right_avg_mean vs Slug



Right In: 1325.142 $\pm$ 218.585 χ^2 /NDF: 19.0/24

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

Right Out: -1040.229 $\pm$ 212.064 χ^2 /NDF: 22.8/27

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

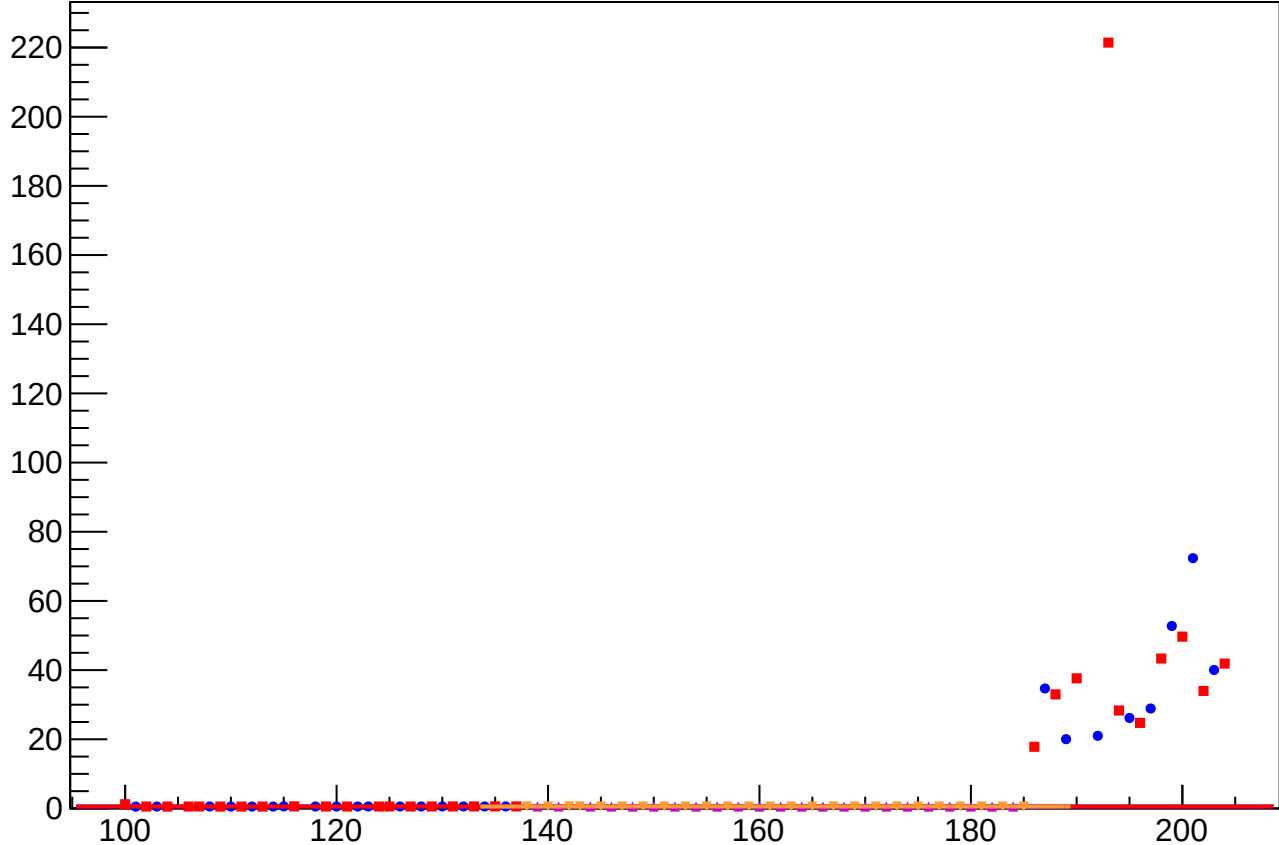
+ sign 1139.112 $\pm$ 111.536 χ^2 /NDF: 35.1/49

All: 31.804 $\pm$ 79.301 χ^2 /NDF: 287.4/100

- sign -1100.207 $\pm$ 112.773 χ^2 /NDF: 53.0/50

reg_asym_right_avg_rms vs Slug

$\times 10^3$



Right In: 566.808 $\pm$ 0.155 χ^2 /NDF: 3711359.0/24

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

Right Out: 569.060 $\pm$ 0.150 χ^2 /NDF: 4720052.6/28

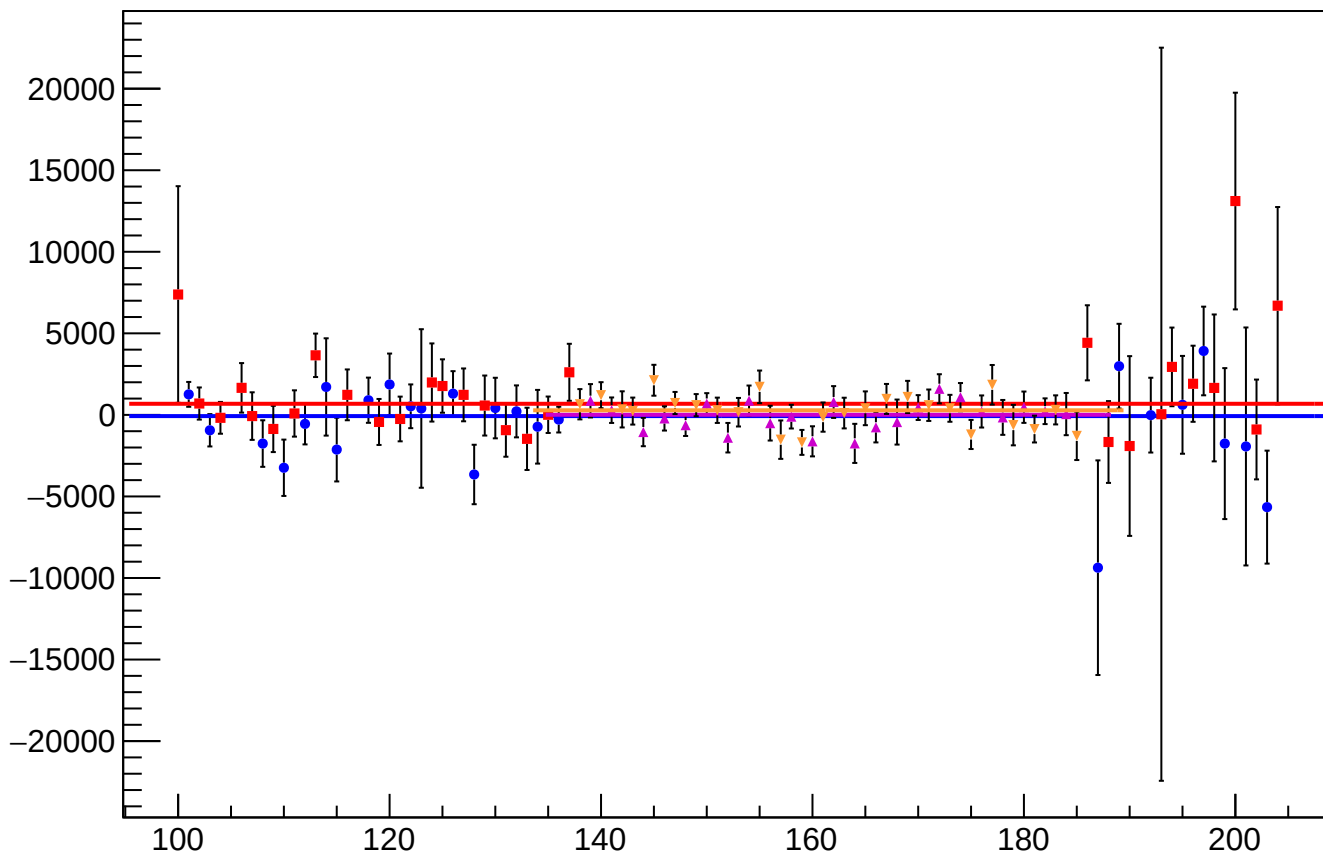
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

+ sign 559.949 $\pm$ 0.079 χ^2 /NDF: 3728774.4/49

All: 560.166 $\pm$ 0.056 χ^2 /NDF: 8464714.9/103

- sign 560.388 $\pm$ 0.080 χ^2 /NDF: 4735925.2/51

asym_right_avg_correction_mean vs Slug



Right In: -73.754 ± 315.645 χ^2/NDF : 25.4/24

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

Right Out: 681.154 ± 316.805 χ^2/NDF : 24.4/28

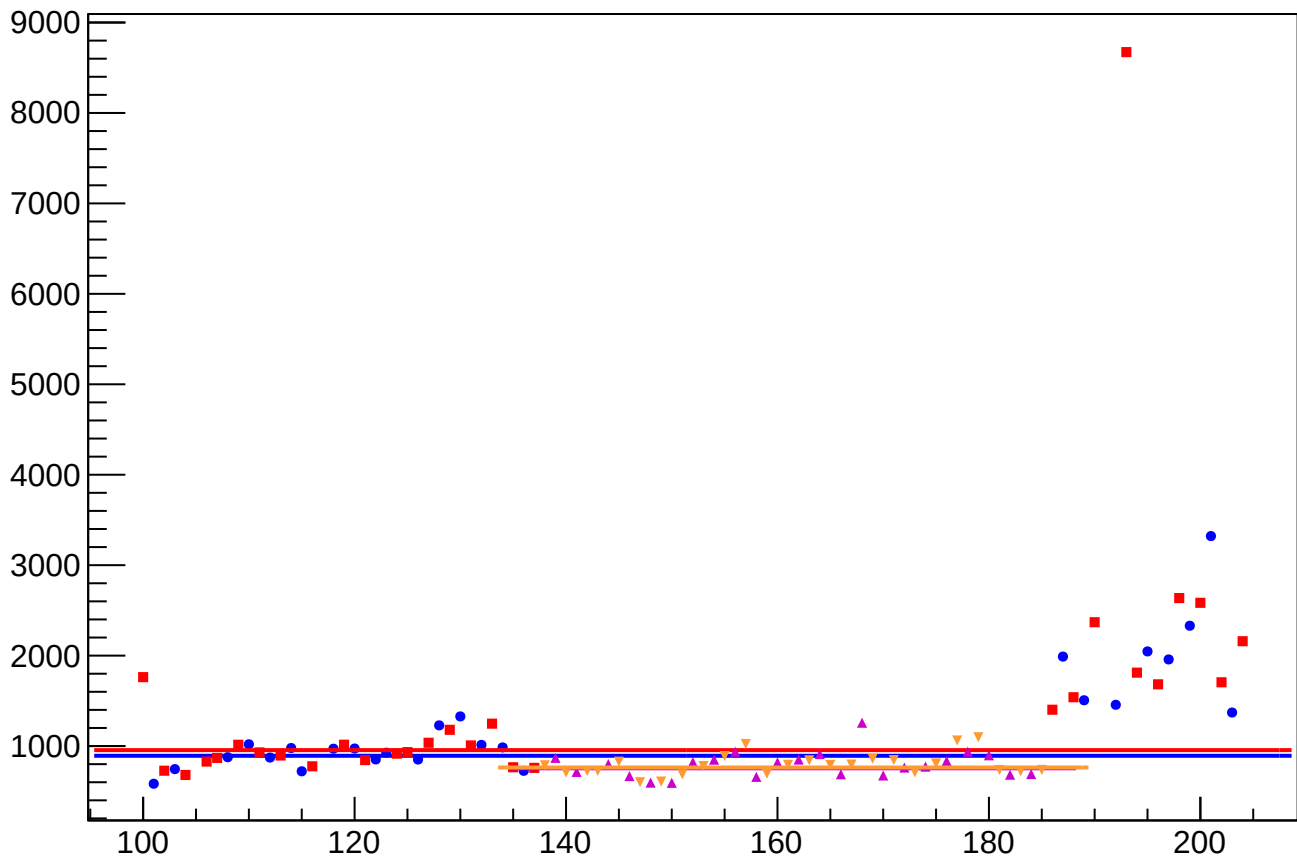
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 194.296 ± 156.640 χ^2/NDF : 53.1/49

All: 185.811 ± 111.486 χ^2/NDF : 101.1/101

- sign 177.101 ± 158.710 χ^2/NDF : 48.0/51

asym_right_avg_correction_rms vs Slug



Right In: 892.576 ± 0.223 χ^2/NDF : 2042085.1/24

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

Right Out: 955.129 ± 0.224 χ^2/NDF : 2133382.5/28

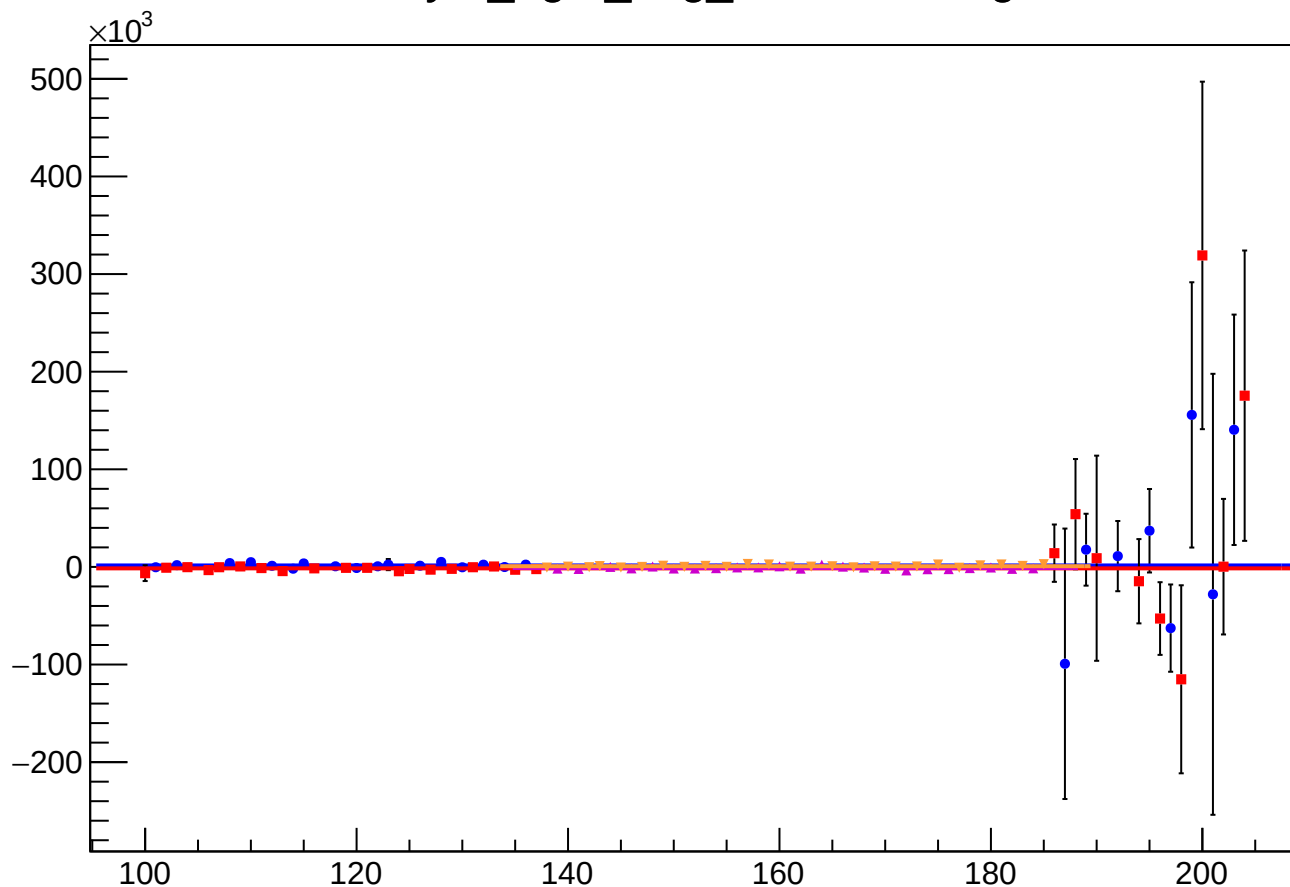
Left In: 754.099 ± 0.130 χ^2/NDF : 931829.3/22

+ sign 794.974 ± 0.111 χ^2/NDF : 3049491.4/49

All: 799.700 ± 0.079 χ^2/NDF : 6721600.1/100

- sign 804.552 ± 0.112 χ^2/NDF : 3668419.0/51

asym_right_avg_mean vs Slug



Right In: 1501.068 $\pm$ 402.577 χ^2 /NDF: 23.3/24

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

Right Out: -1487.999 $\pm$ 400.615 χ^2 /NDF: 21.3/27

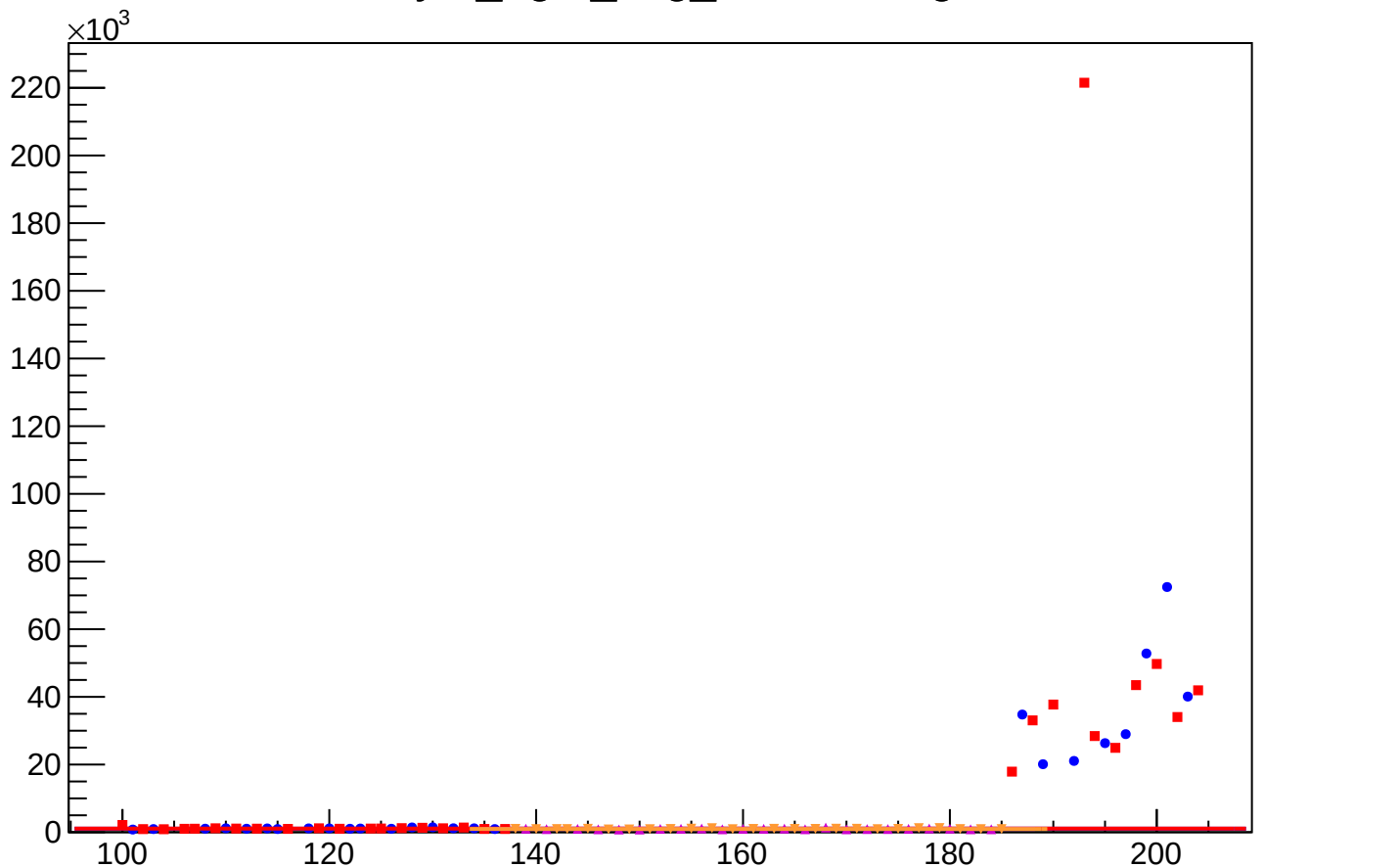
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 921.532 $\pm$ 196.761 χ^2 /NDF: 47.6/49

All: -131.792 $\pm$ 140.092 χ^2 /NDF: 153.0/100

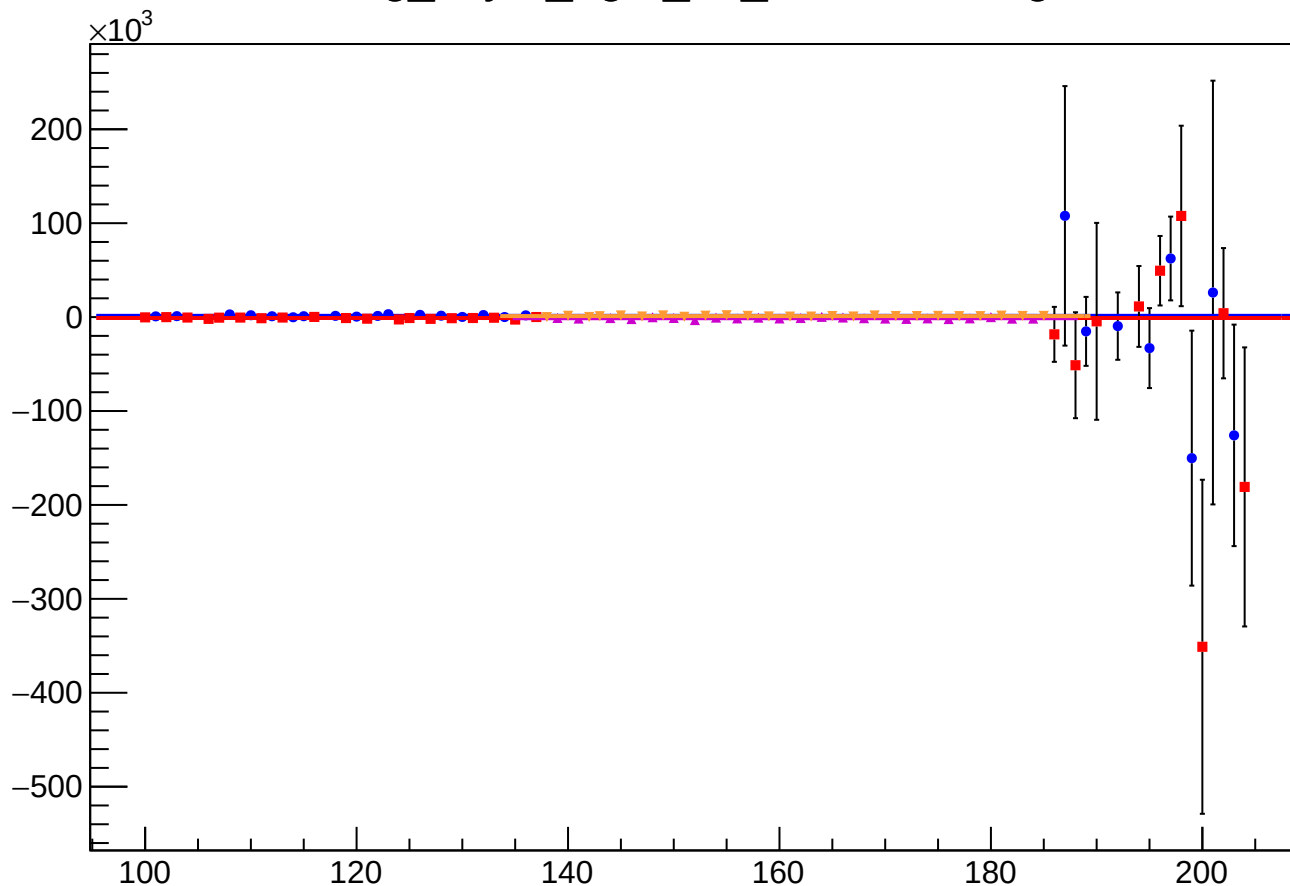
- sign -1214.716 $\pm$ 199.507 χ^2 /NDF: 47.3/50

asym_right_avg_rms vs Slug



Right In: 1032.920+/-0.285 χ^2/NDF : 3912738.9/24 + sign 979.136+/-0.139 χ^2/NDF : 4322578.6/49
 Left Out: 962.256+/-0.159 χ^2/NDF : 362937.6/24 All: 981.279+/-0.099 χ^2/NDF : 9639714.4/100
 Right Out: 1070.926+/-0.283 χ^2/NDF : 4746545.7/28 - sign 983.482+/-0.141 χ^2/NDF : 5316654.6/51
 Left In: 954.643+/-0.163 χ^2/NDF : 443395.0/22

reg_asym_right_dd_mean vs Slug



Right In: 1344.428+/-218.840 χ^2/NDF : 17.8/24

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

Right Out: -965.412+/-208.599 χ^2/NDF : 21.9/27

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

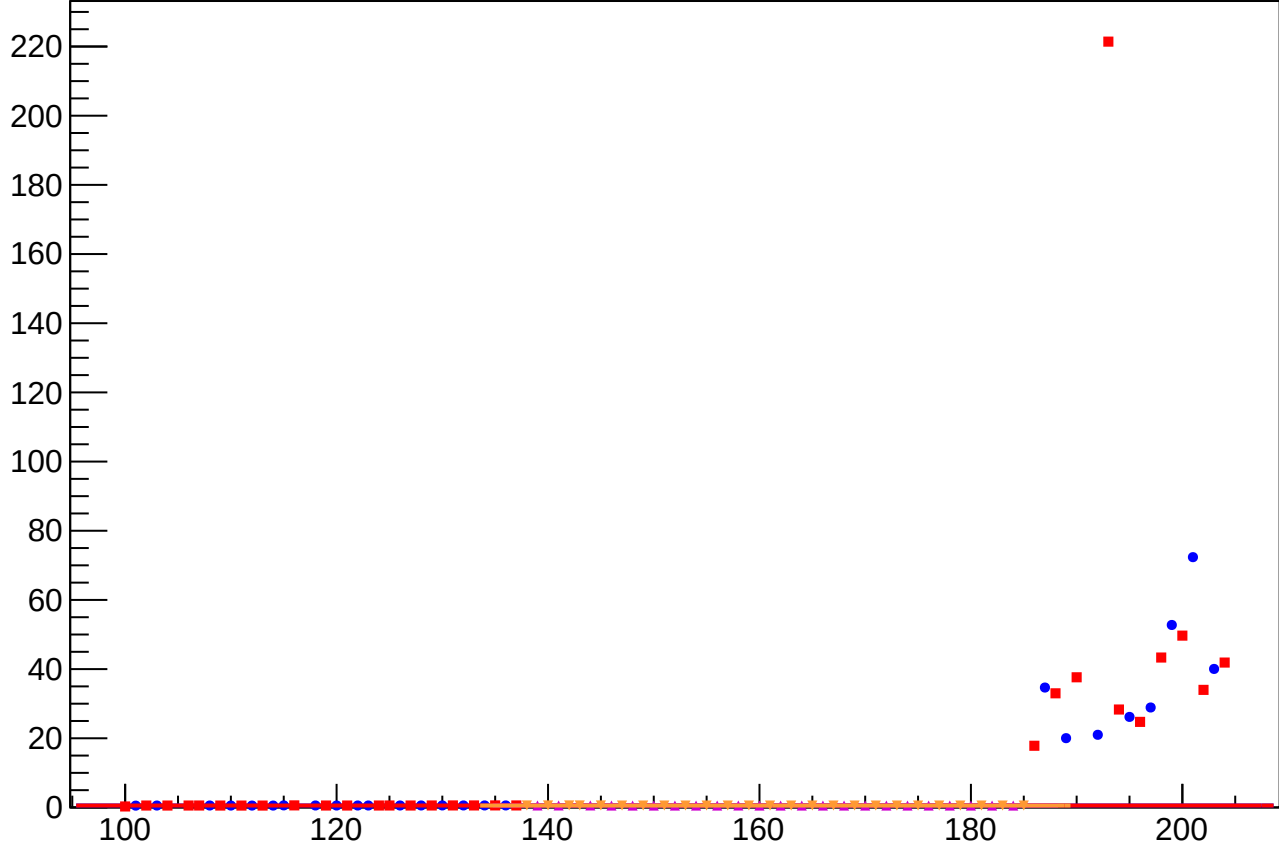
+ sign 1154.474+/-111.653 χ^2/NDF : 33.8/49

All: 21.897+/-79.190 χ^2/NDF : 295.7/100

- sign -1124.503+/-112.332 χ^2/NDF : 54.9/50

reg_asym_right_dd_rms vs Slug

$\times 10^3$



Right In: 567.467 $\pm$ 0.155 χ^2 /NDF: 3711467.2/24

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

Right Out: 558.075 $\pm$ 0.148 χ^2 /NDF: 4807051.5/28

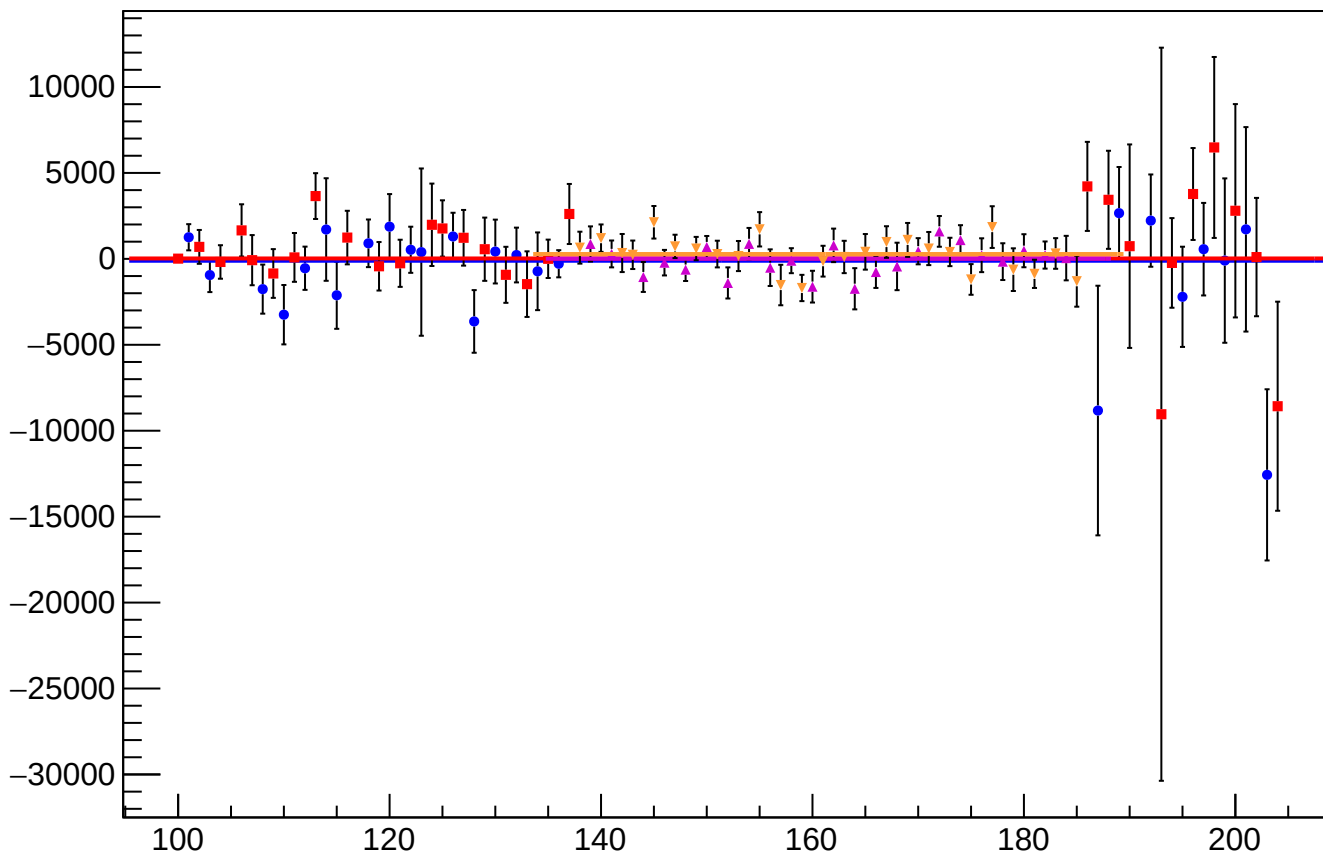
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF: 11276.8/22

+ sign 560.538 $\pm$ 0.079 χ^2 /NDF: 3728963.6/49

All: 559.145 $\pm$ 0.056 χ^2 /NDF: 8547925.5/100

- sign 557.735 $\pm$ 0.079 χ^2 /NDF: 4818335.7/51

asym_right_dd_correction_mean vs Slug



Right In: -109.196 ± 317.202 χ^2/NDF : 27.2/24

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

Right Out: 22.523 ± 38.933 χ^2/NDF : 25.8/28

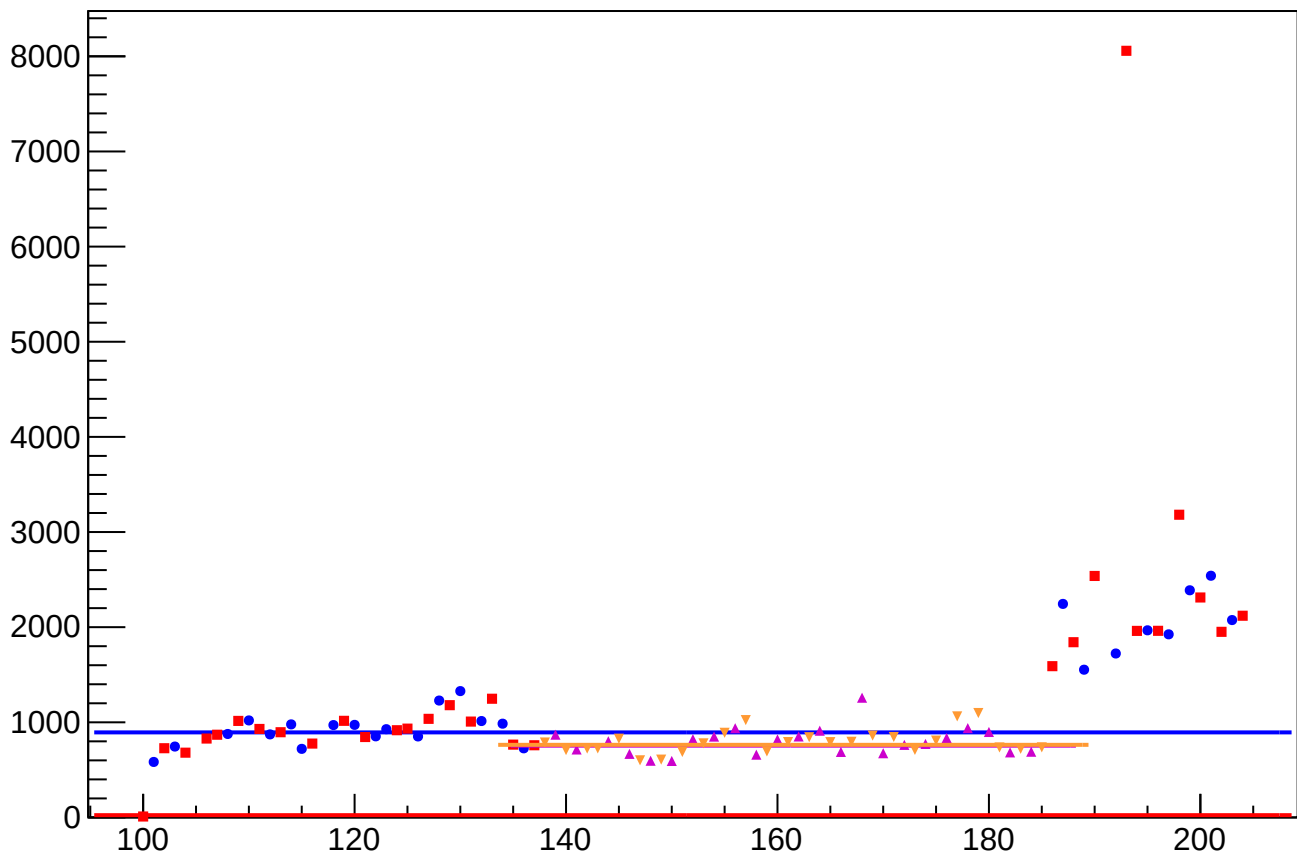
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 185.879 ± 156.865 χ^2/NDF : 55.2/49

All: 30.997 ± 37.009 χ^2/NDF : 102.1/101

- sign 21.868 ± 38.085 χ^2/NDF : 45.9/51

asym_right_dd_correction_rms vs Slug



Right In: 894.078+/-0.224 χ^2/NDF : 2105933.6/24

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

Right Out: 24.039+/-0.028 χ^2/NDF : 19683170.7/28

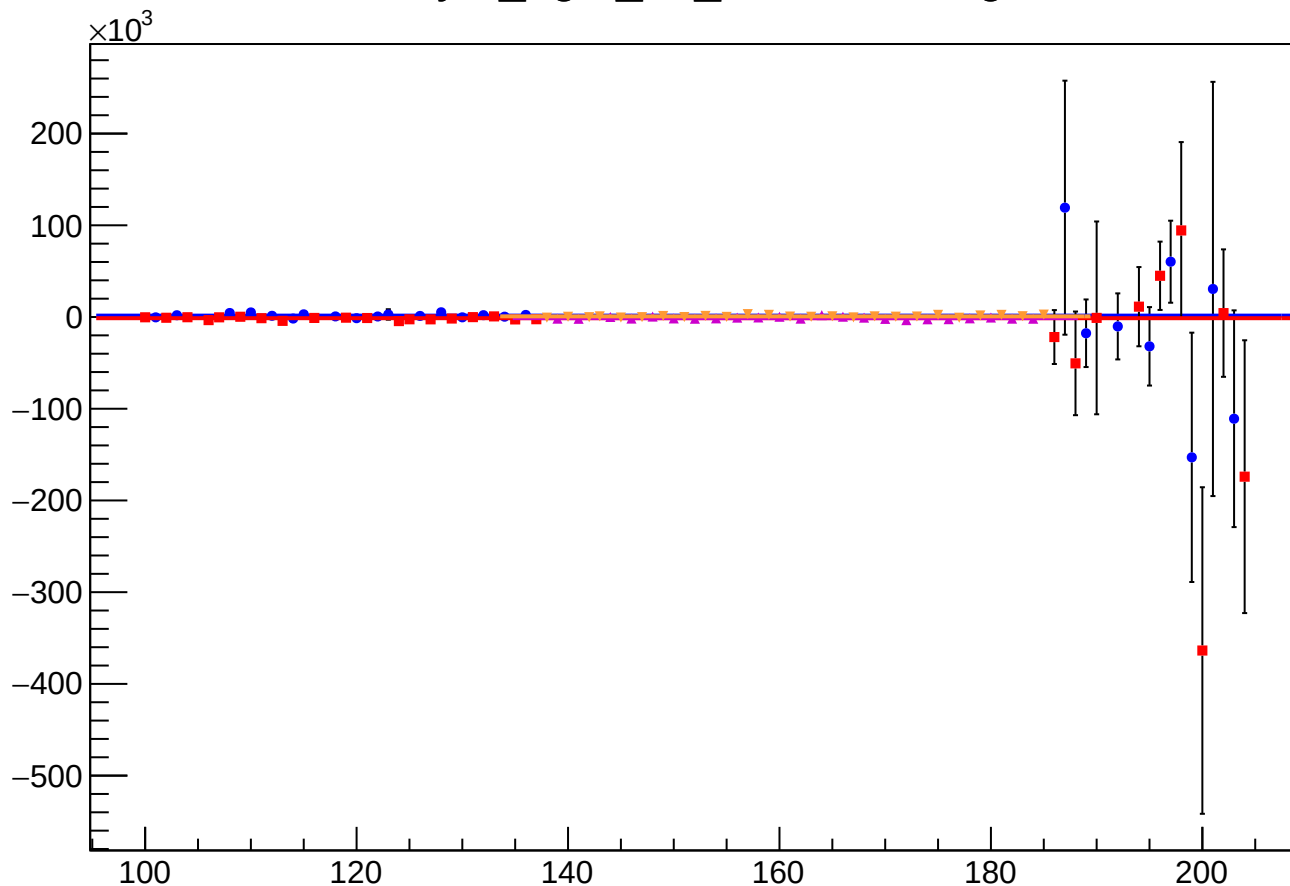
Left In: 754.483+/-0.130 χ^2/NDF : 931536.8/22

+ sign 795.288+/-0.111 χ^2/NDF : 3116456.2/49

All: 96.691+/-0.026 χ^2/NDF : 96070768.0/101

- sign 55.512+/-0.027 χ^2/NDF : 50948801.1/51

asym_right_dd_mean vs Slug



Right In: 1515.943 $\pm$ 402.800 χ^2 /NDF: 23.5/24

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

Right Out: -1288.513 $\pm$ 376.593 χ^2 /NDF: 21.7/27

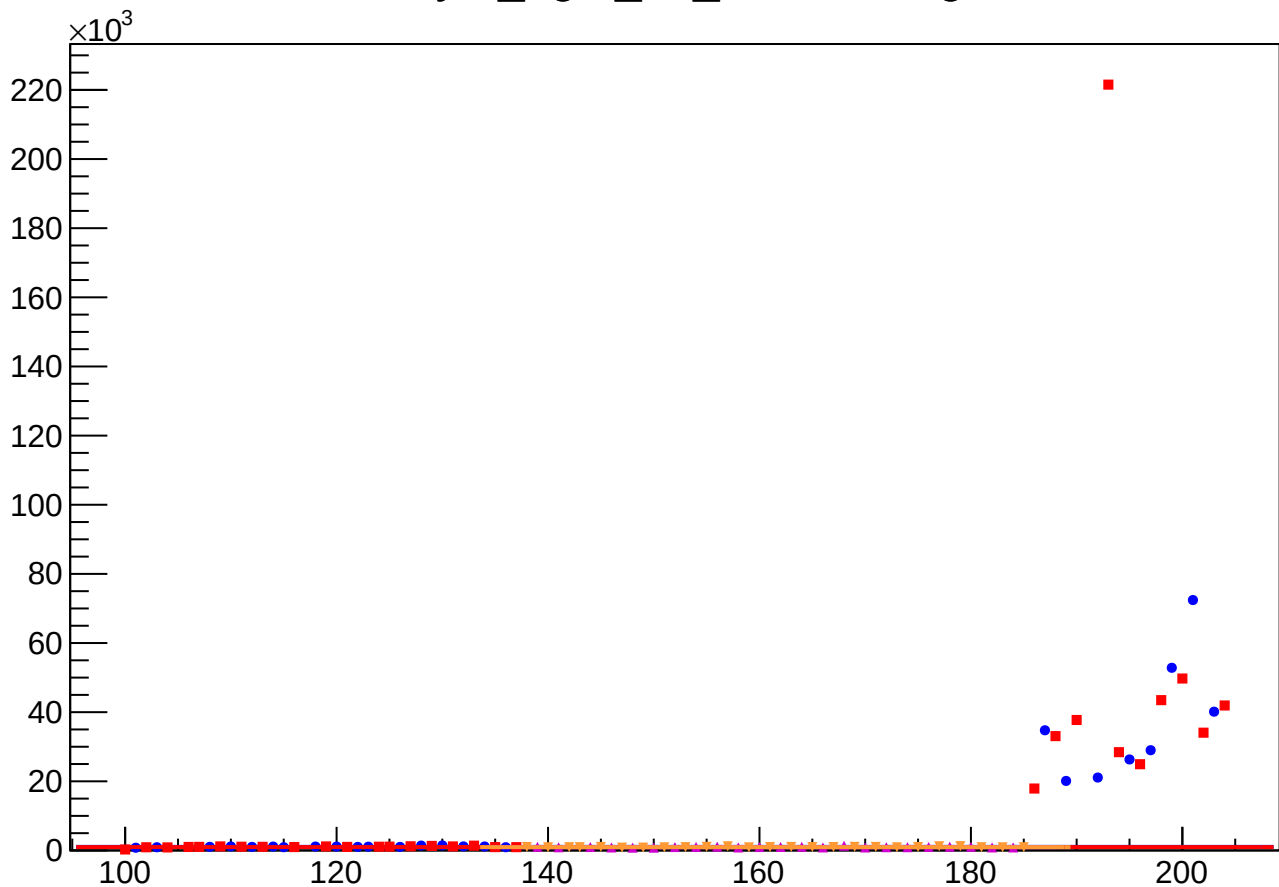
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF:24.2/22

+ sign 927.505 $\pm$ 196.869 χ^2 /NDF: 46.5/49

All: -142.044 $\pm$ 139.052 χ^2 /NDF: 151.4/100

- sign -1206.820 $\pm$ 196.429 χ^2 /NDF: 46.0/50

asym_right_dd_rms vs Slug



Right In: 1033.499+/-0.285 χ^2/NDF : 3913052.7/24

Left Out: 962.776+/-0.160 χ^2/NDF : 362837.8/24

Right Out: 975.697+/-0.266 χ^2/NDF : 5613462.6/28

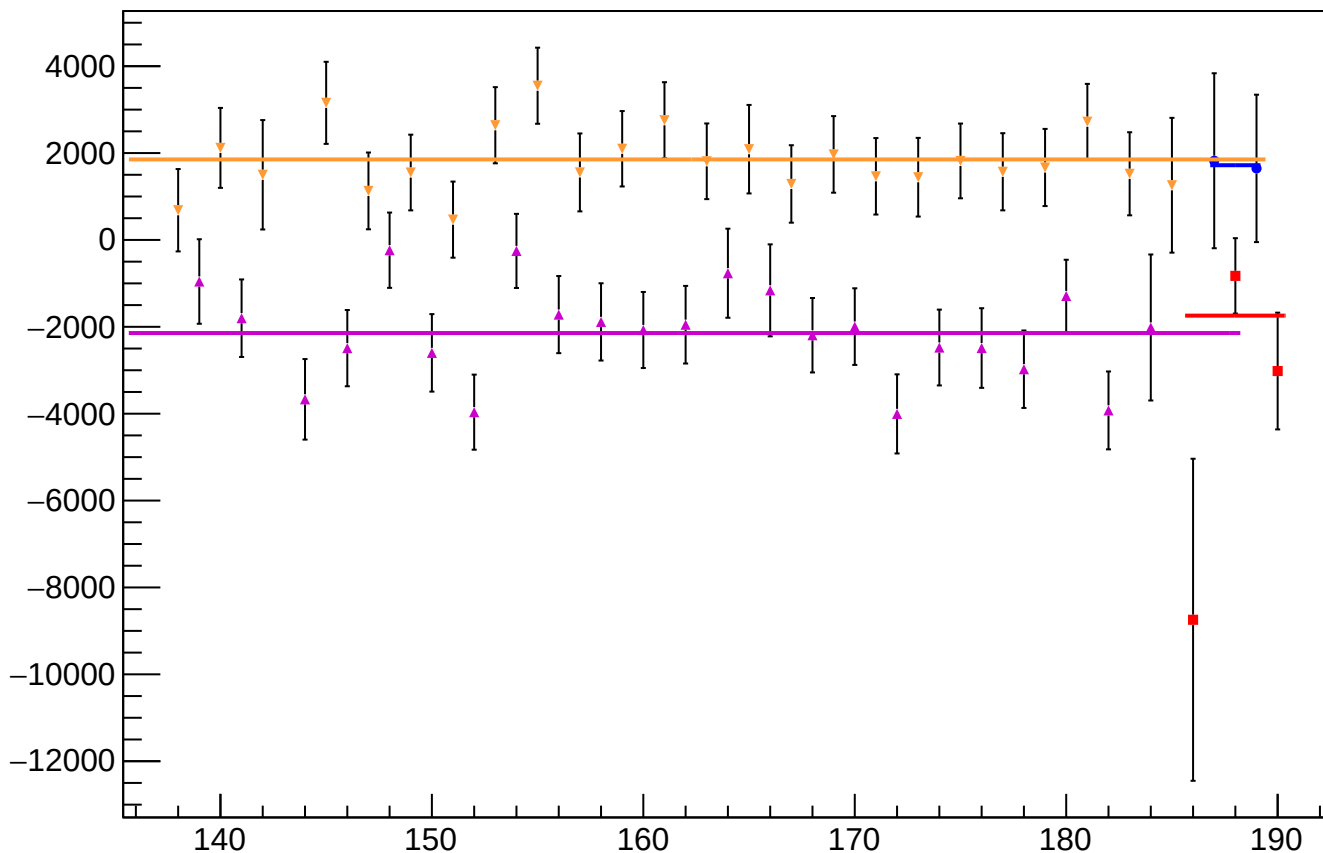
Left In: 955.331+/-0.163 χ^2/NDF : 443068.5/22

+ sign 979.671+/-0.139 χ^2/NDF : 4322817.8/49

All: 970.250+/-0.098 χ^2/NDF : 10392745.9/10

- sign 960.872+/-0.139 χ^2/NDF : 6060789.3/51

cor_asym_us_avg_mean vs Slug



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

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

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

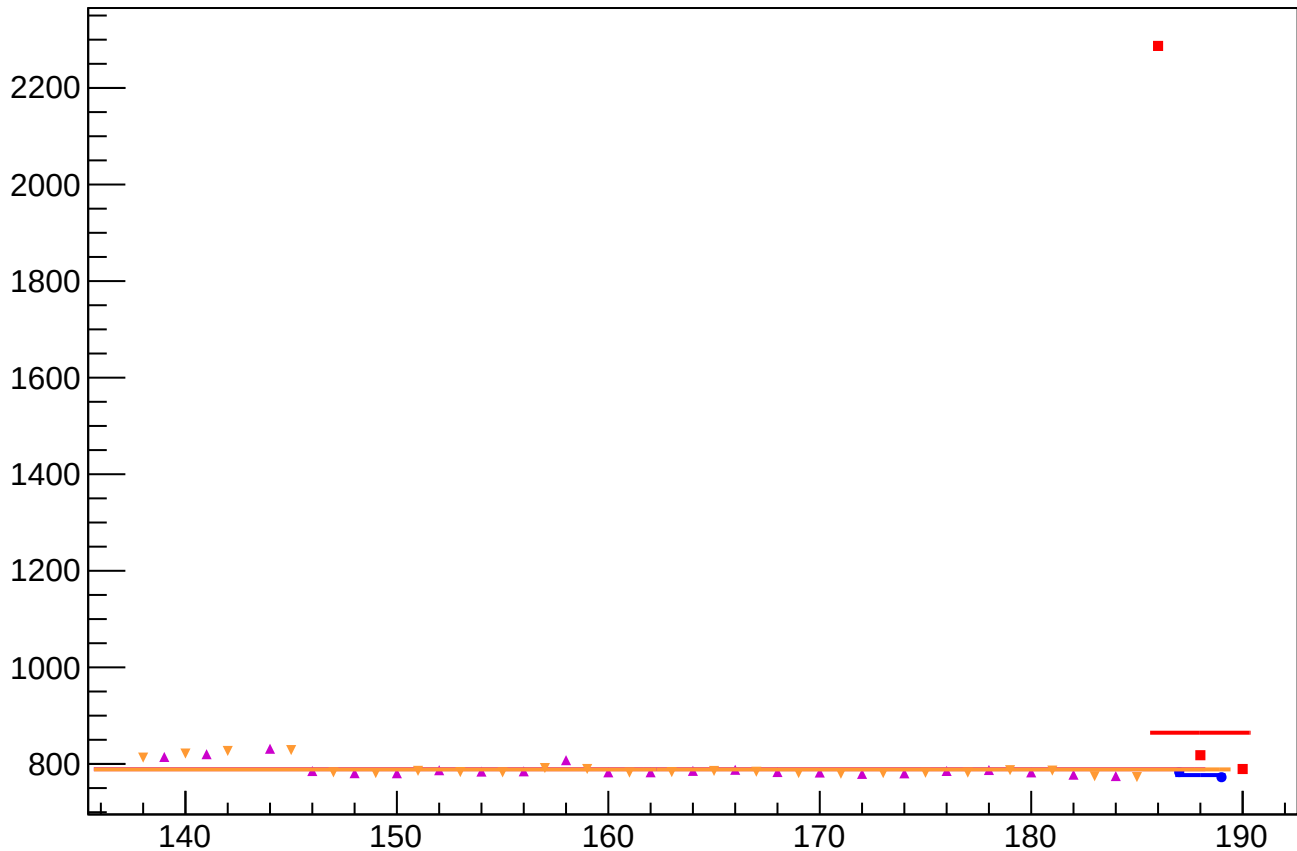
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

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

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

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

cor_asym_us_avg_rms vs Slug



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

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

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

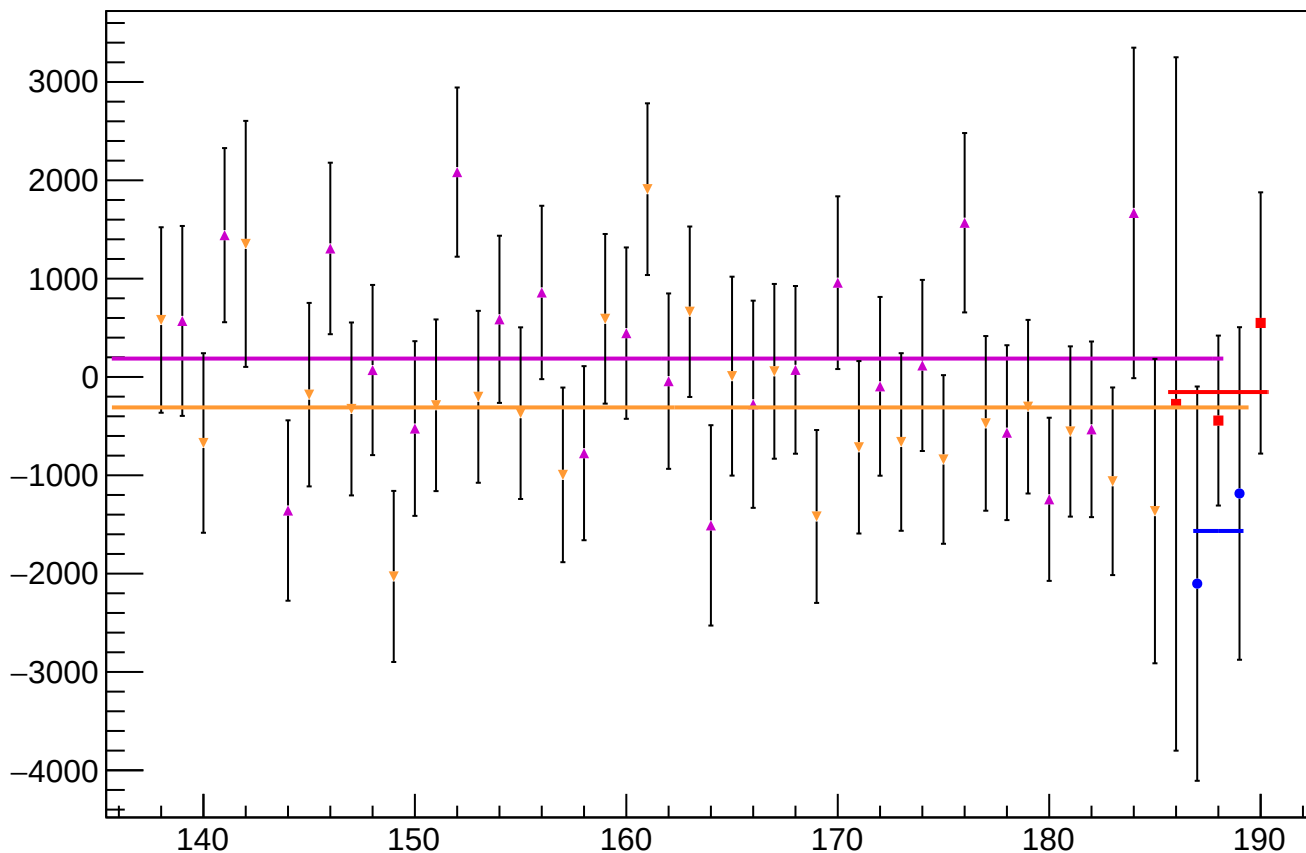
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

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

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

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

cor_asym_us_dd_mean vs Slug



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

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

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

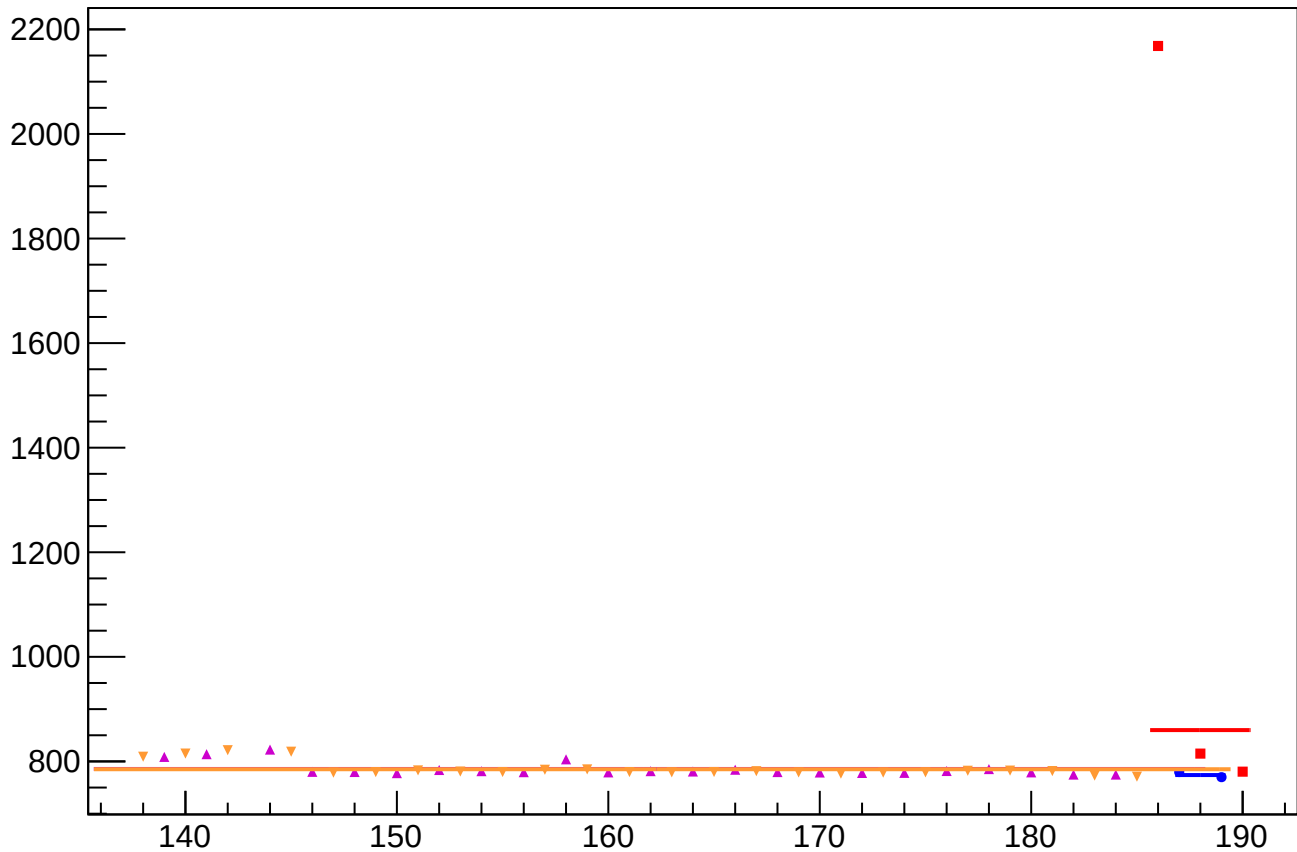
Left In: 187.105 ± 189.265 χ^2/NDF : 25.6/22

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

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

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

cor_asym_us_dd_rms vs Slug



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

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

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

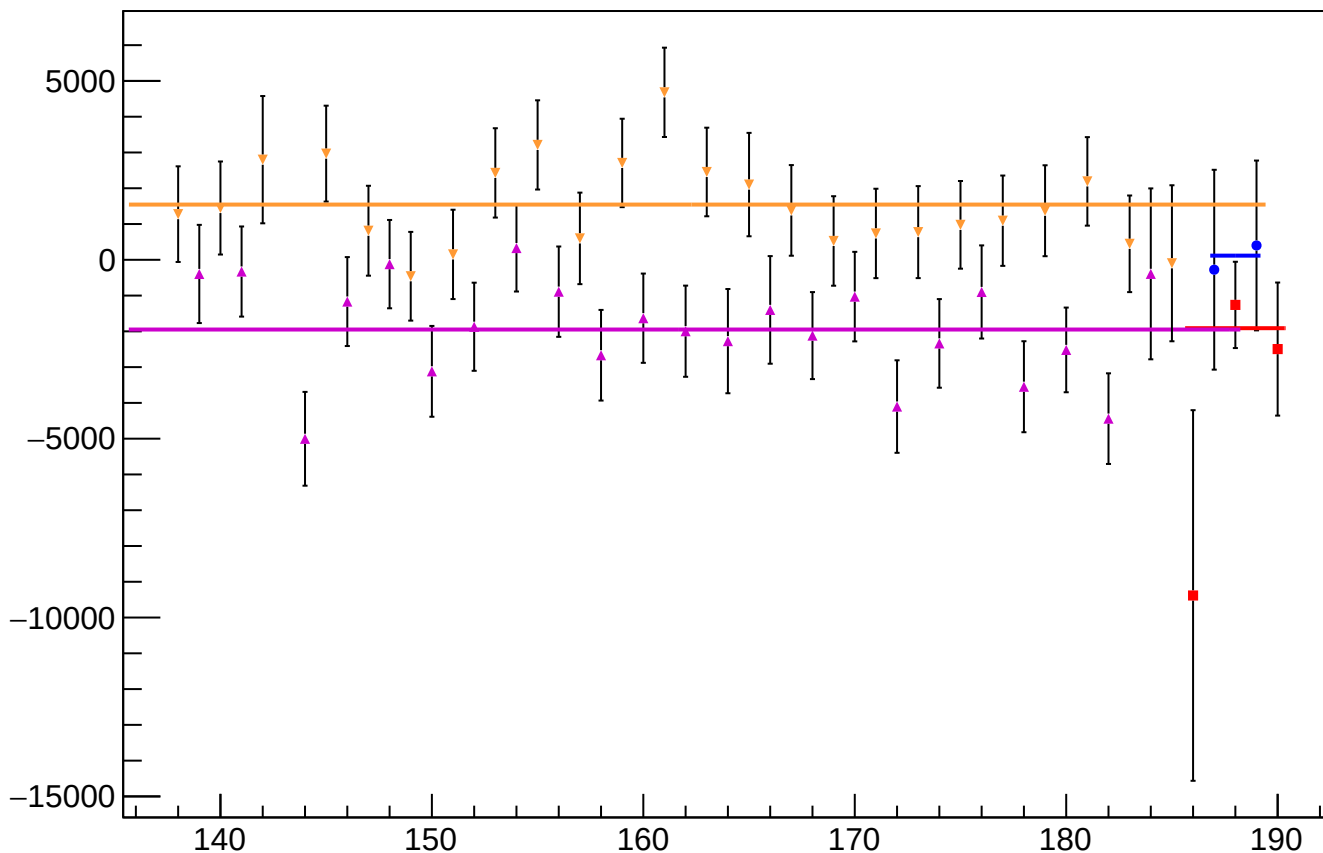
Left In: 785.562 ± 0.134 χ^2/NDF : 9033.0/22

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

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

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

cor_asym_usl_mean vs Slug



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

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

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

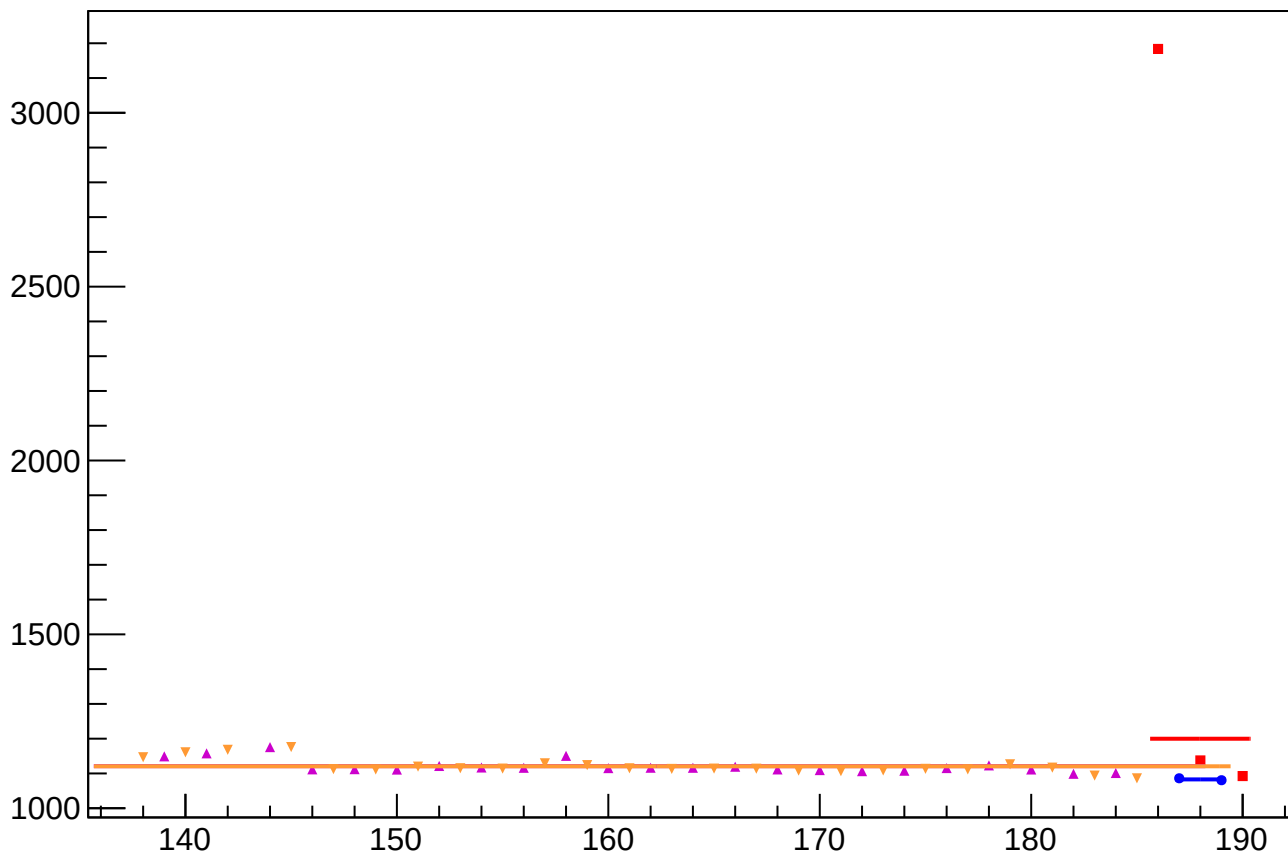
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

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

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

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

cor_asym_usl_rms vs Slug



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

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

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

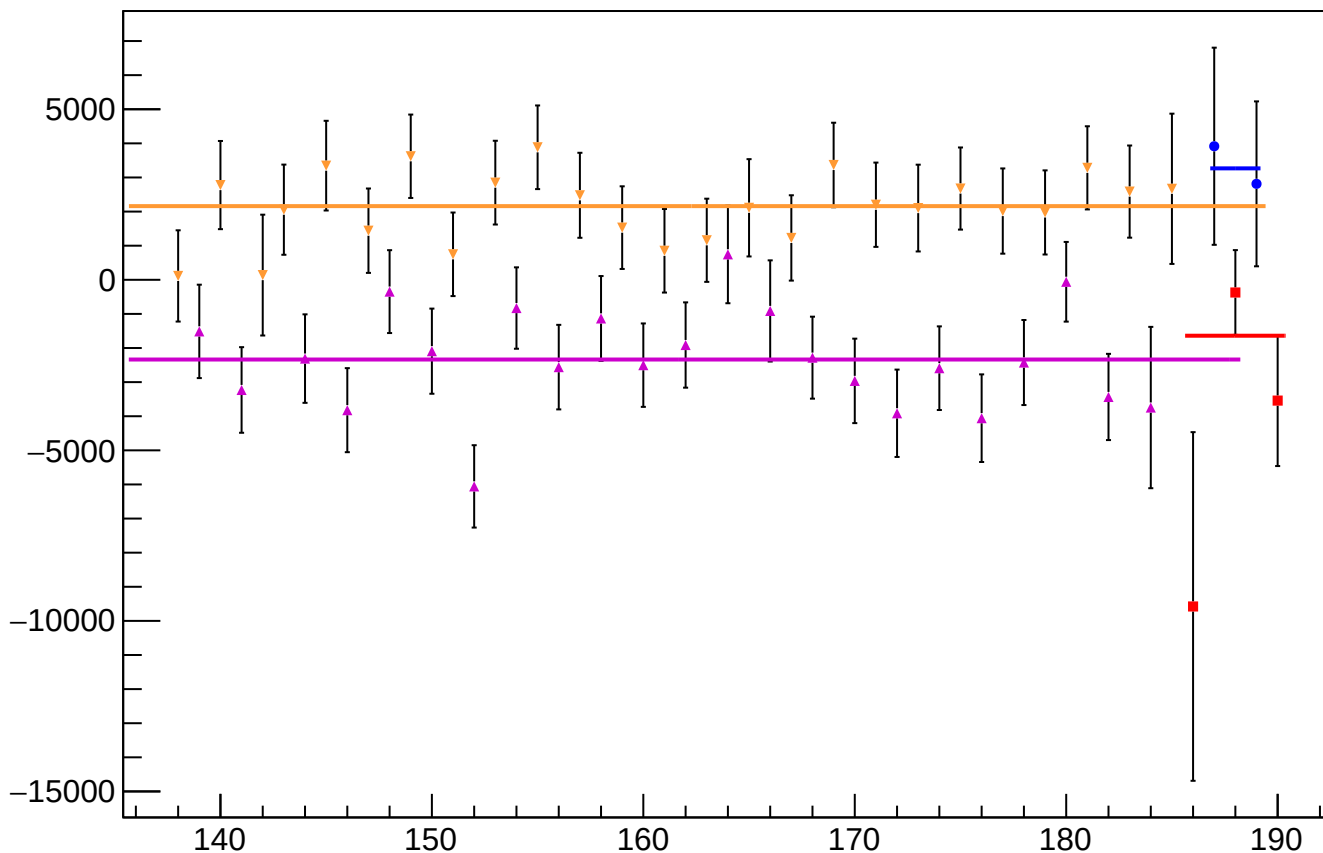
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

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

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

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

cor_asym_usr_mean vs Slug



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

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

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

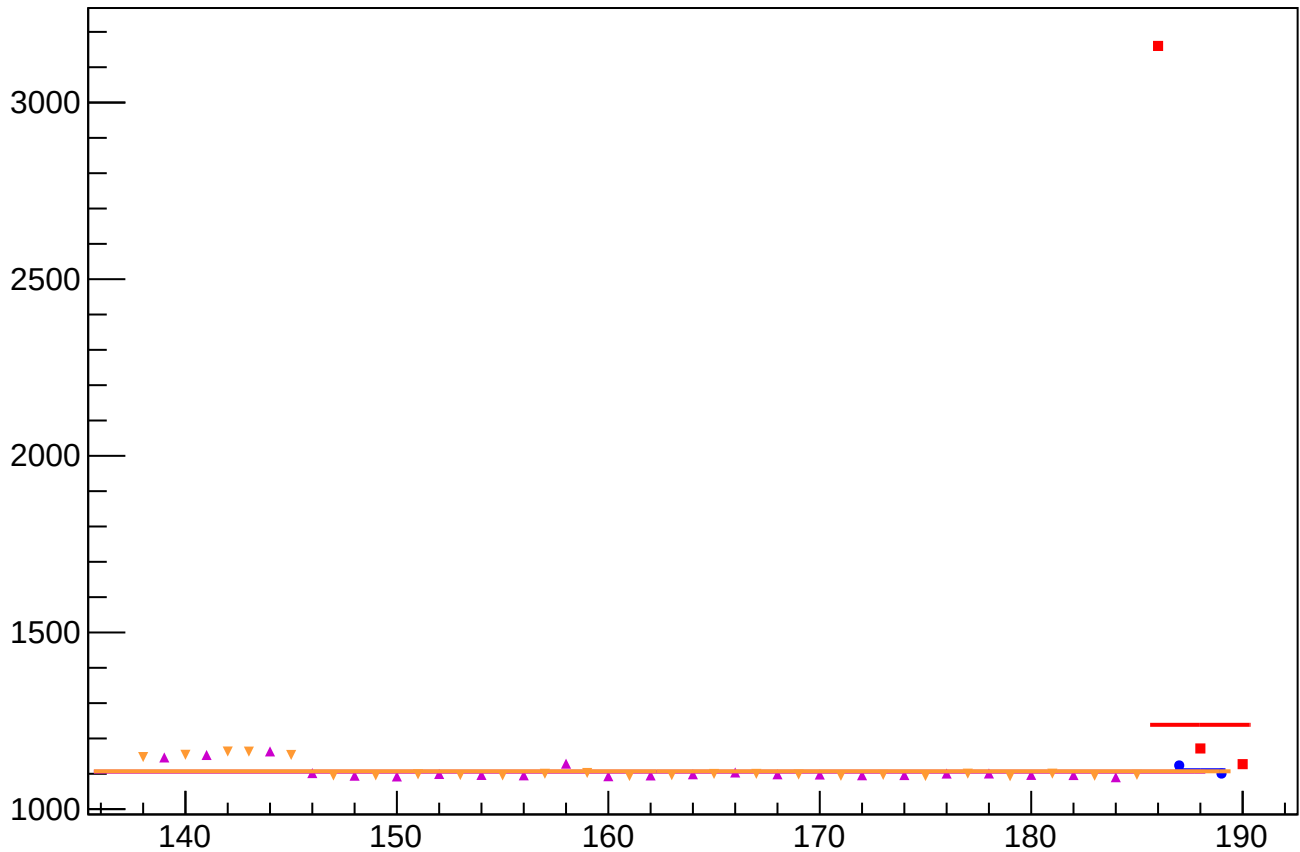
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

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

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

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

cor_asym_usr_rms vs Slug



Right In: 1110.109+/-1.311 χ^2/NDF : 75.3/1

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

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

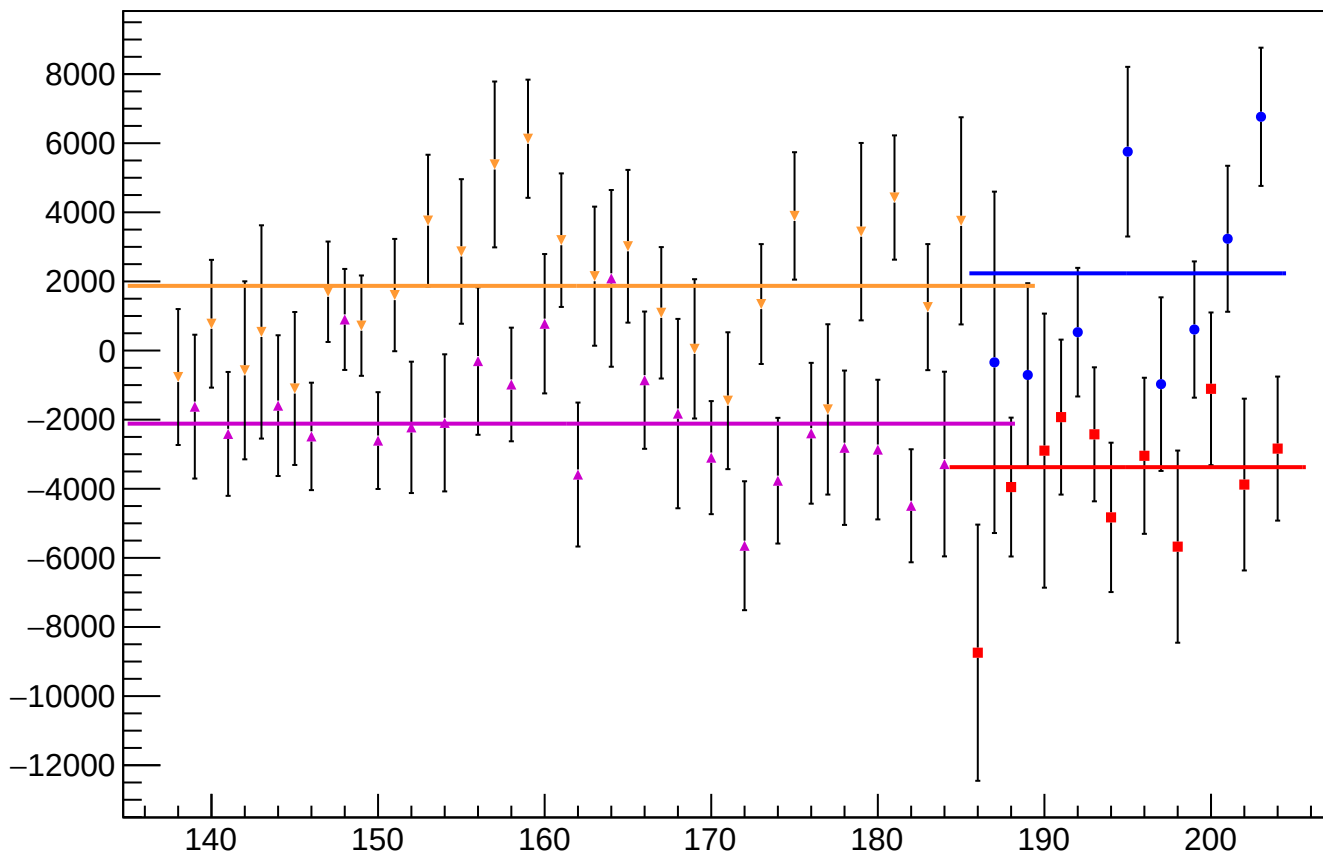
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

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

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

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

asym_us_agg_avg_mean vs Slug



Right In: 2234.044 $\pm$ 809.218 χ^2 /NDF: 12.1/7

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

Right Out: -3374.768 $\pm$ 709.718 χ^2 /NDF: 5.2/10

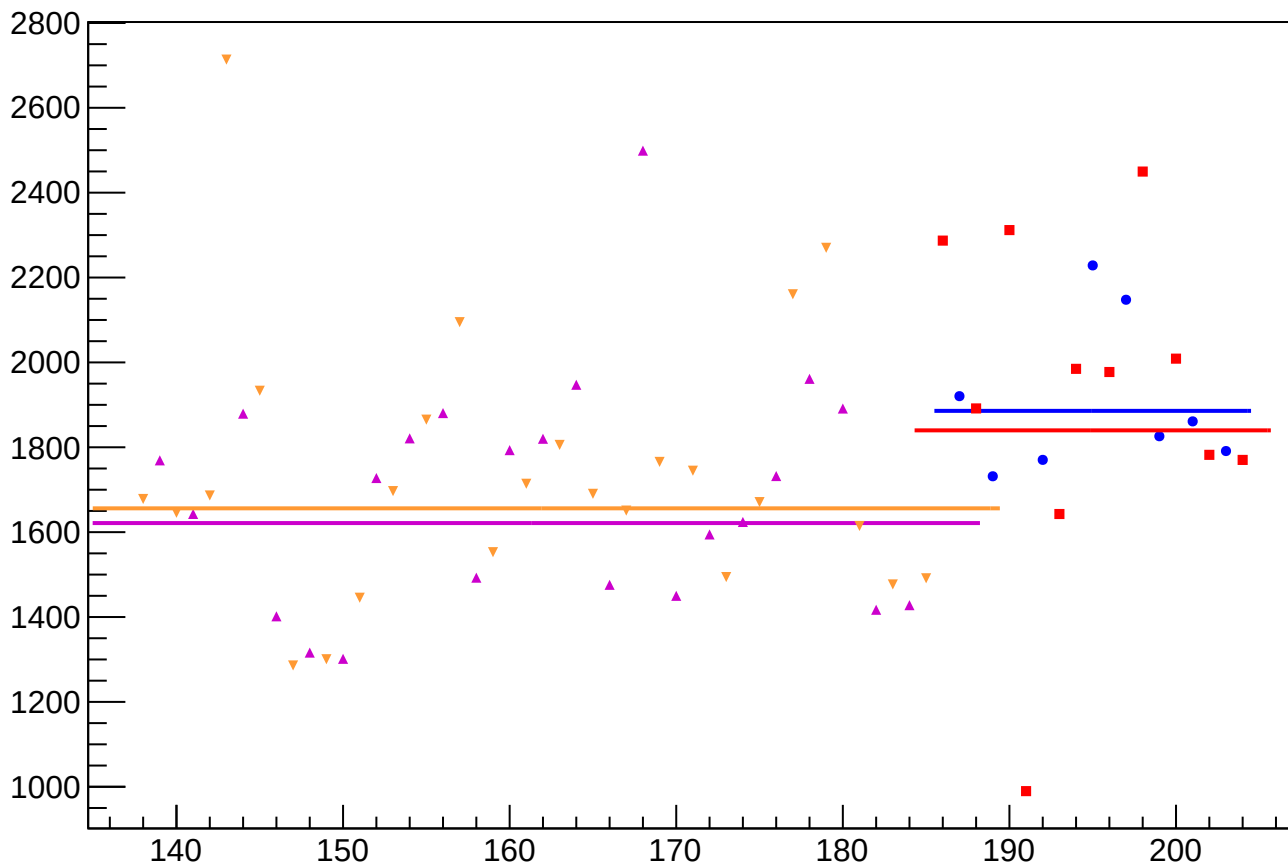
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF: 18.8/22

+ sign 1940.427 $\pm$ 352.556 χ^2 /NDF: 38.3/32

All: -290.201 $\pm$ 246.143 χ^2 /NDF: 142.8/66

- sign -2411.481 $\pm$ 343.806 χ^2 /NDF: 26.4/33

asym_us_agg_avg_rms vs Slug



Right In: 1885.815 $\pm$ 0.572 χ^2 /NDF: 81838.5/7

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

Right Out: 1839.868 $\pm$ 0.502 χ^2 /NDF: 494518.7/10

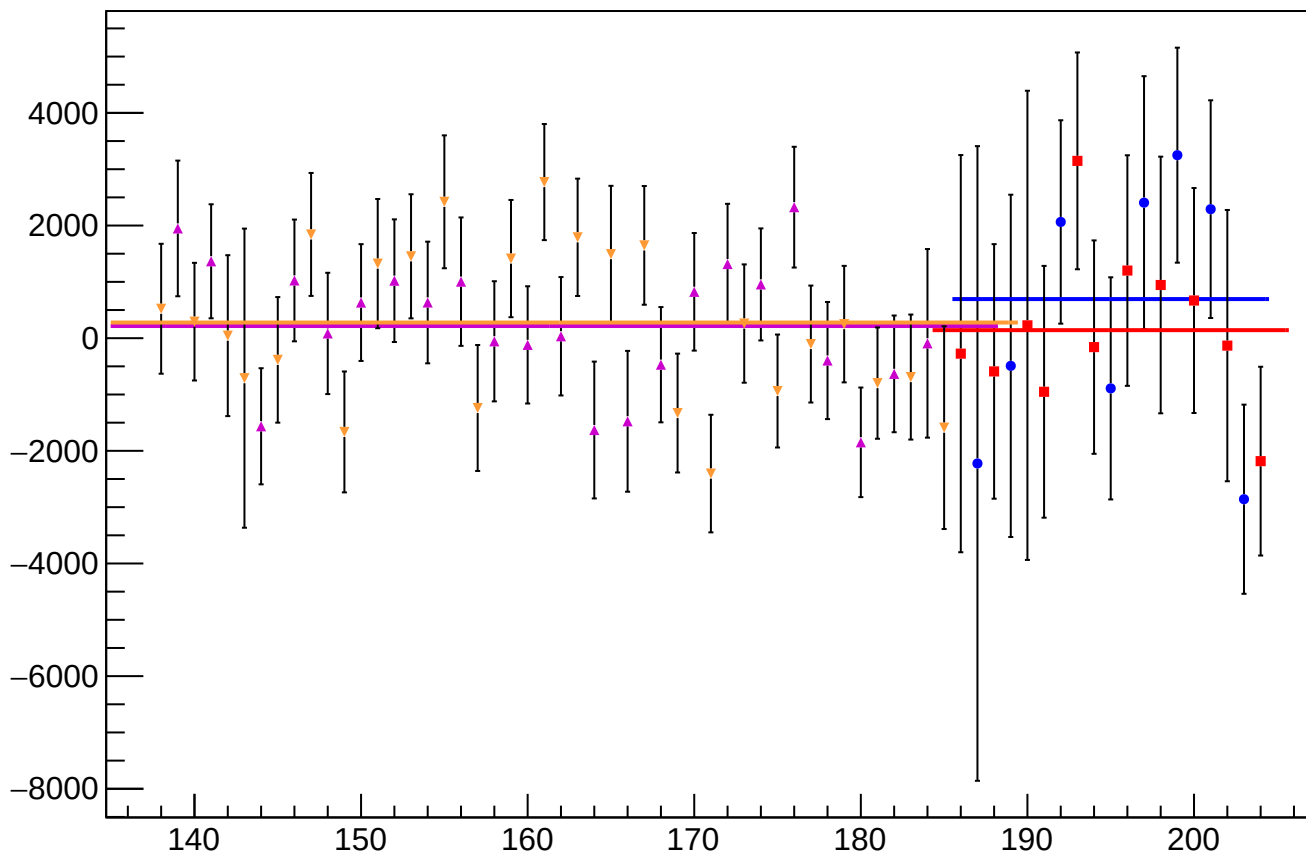
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1699.719 $\pm$ 0.249 χ^2 /NDF: 1122966.1/32

All: 1685.860 $\pm$ 0.174 χ^2 /NDF: 2543839.8/60

- sign 1672.680 $\pm$ 0.243 χ^2 /NDF: 1414844.3/33

asym_us_agg_dd_mean vs Slug



Right In: 694.408 ± 745.589 $\chi^2/\text{NDF}: 9.2/7$

Left Out: 278.090 ± 223.581 $\chi^2/\text{NDF}: 38.4/24$

Right Out: 142.632 ± 660.352 $\chi^2/\text{NDF}: 5.2/10$

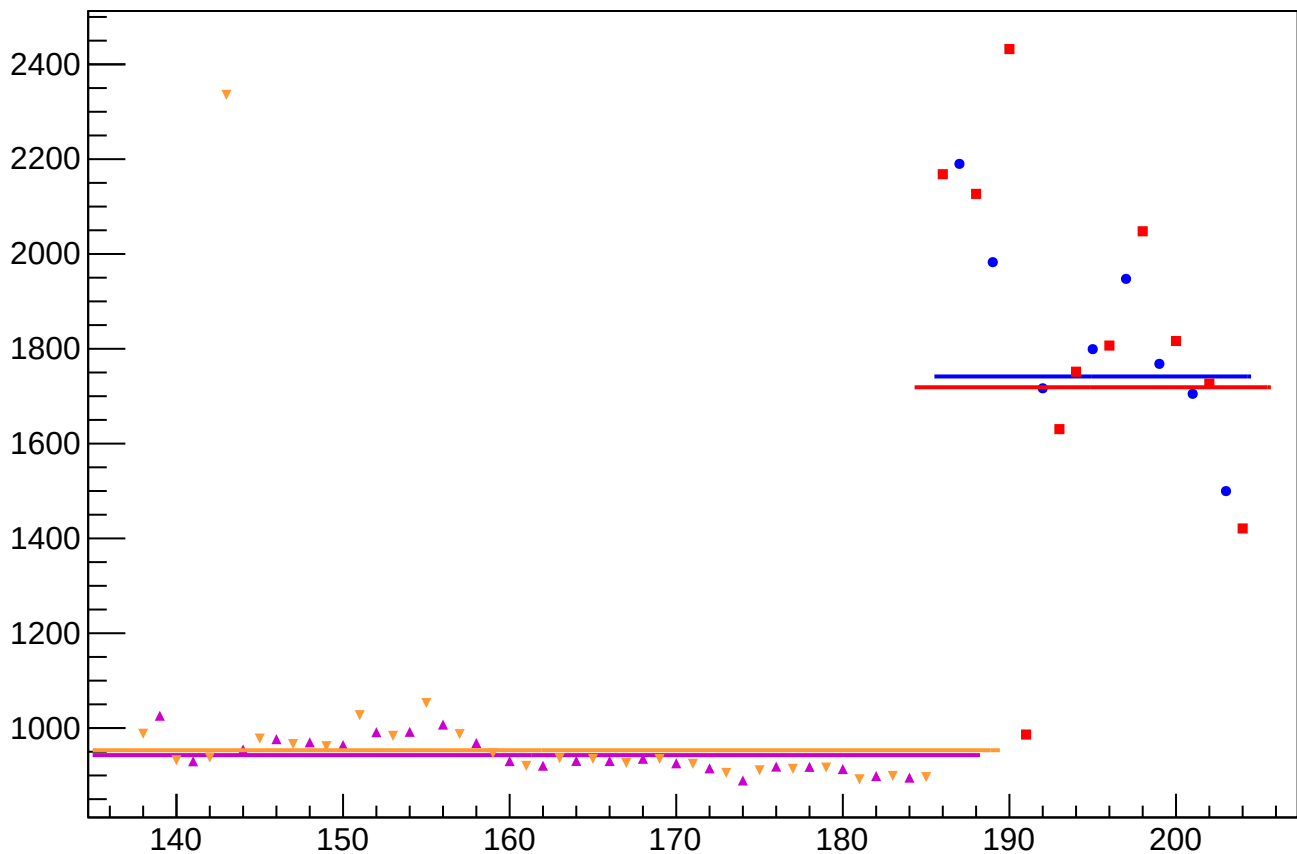
Left In: 216.121 ± 225.600 $\chi^2/\text{NDF}: 24.4/22$

+ sign 312.438 ± 214.159 $\chi^2/\text{NDF}: 47.9/32$

All: 260.275 ± 151.195 $\chi^2/\text{NDF}: 77.6/66$

- sign 208.440 ± 213.485 $\chi^2/\text{NDF}: 29.7/33$

asym_us_agg_dd_rms vs Slug



Right In: 1741.629 $\pm$ 0.527 χ^2/NDF : 86748.2/7

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

Right Out: 1718.853 $\pm$ 0.467 χ^2/NDF : 489356.0/10

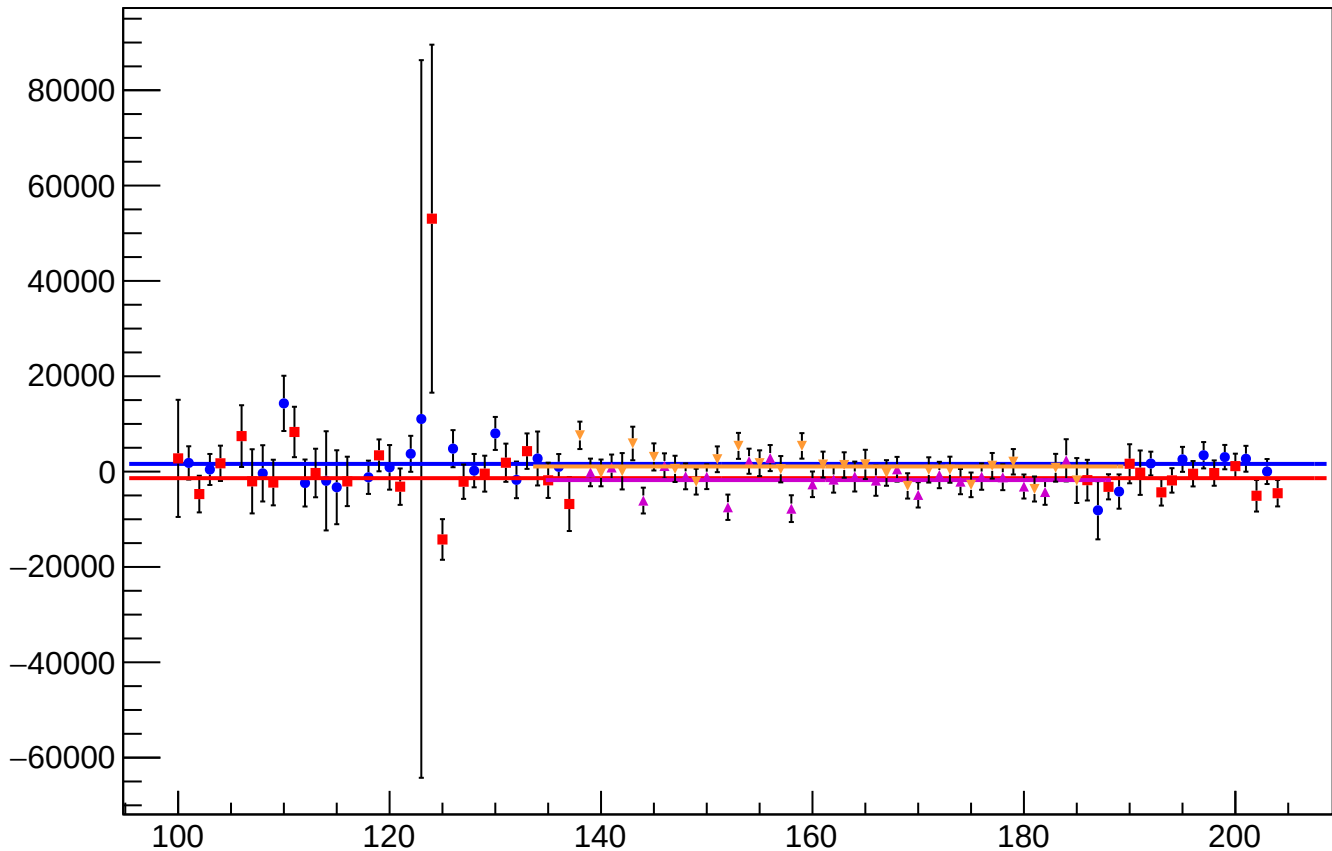
Left In: 942.927 $\pm$ 0.160 χ^2/NDF : 48402.9/22

+ sign 1018.268 $\pm$ 0.151 χ^2/NDF : 2744835.3/32

All: 1021.155 $\pm$ 0.107 χ^2/NDF : 5756054.8/60

- sign 1024.024 $\pm$ 0.151 χ^2/NDF : 3010494.8/33

reg_asym_atl1_mean vs Slug



Right In: 1614.927+/-716.908 χ^2/NDF : 18.9/24

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

Right Out: -1376.105+/-676.579 χ^2/NDF : 30.5/29

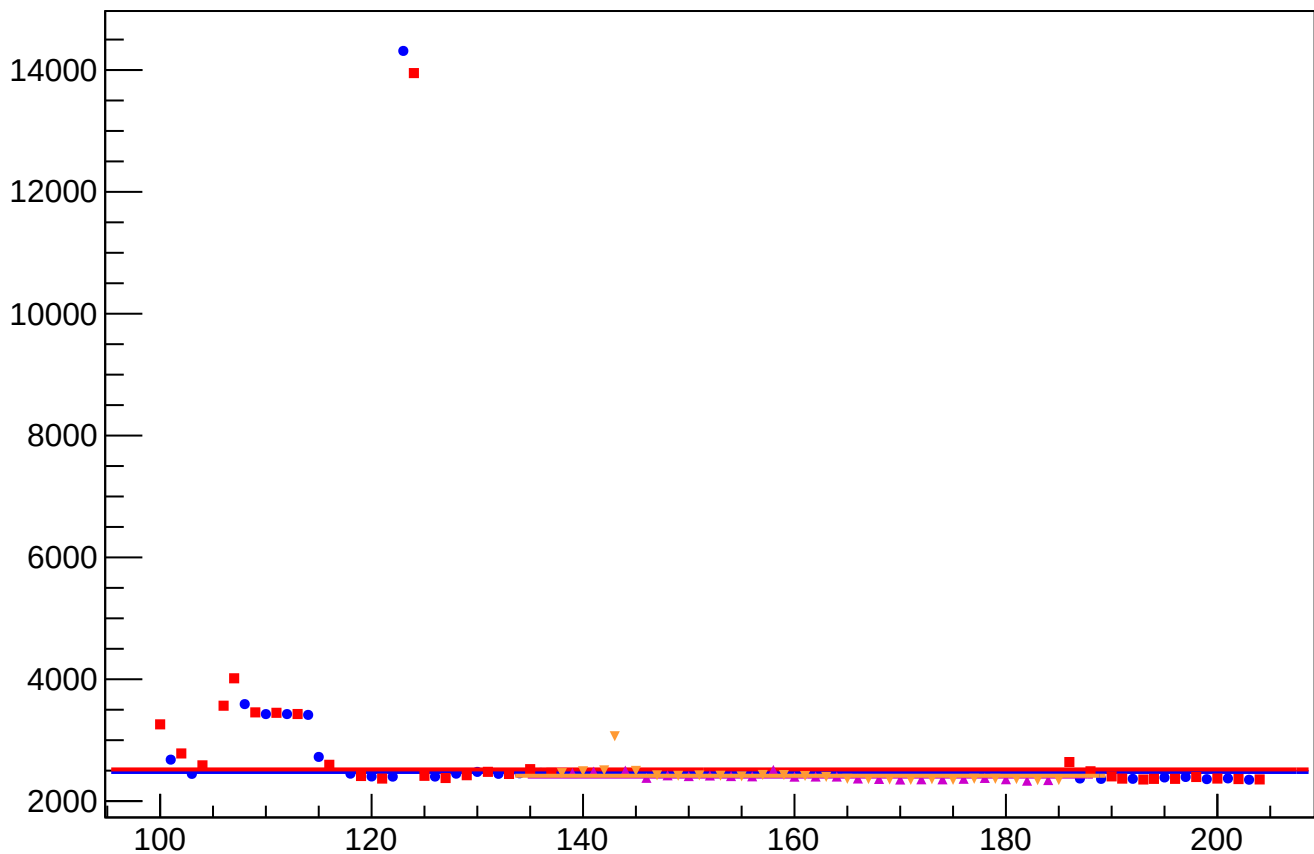
Left In: -1777.100+/-575.895 χ^2/NDF : 24.1/22

+ sign 1283.304+/-443.271 χ^2/NDF : 42.8/49

All: -178.178+/-311.754 χ^2/NDF : 119.1/102

- sign -1608.631+/-438.540 χ^2/NDF : 54.8/52

reg_asym_atl1_rms vs Slug



Right In: 2478.356 $\pm$ 0.507 χ^2 /NDF: 299333.4/24

Left Out: 2416.019 $\pm$ 0.399 χ^2 /NDF: 82636.1/24

Right Out: 2520.017 $\pm$ 0.478 χ^2 /NDF: 628006.0/29

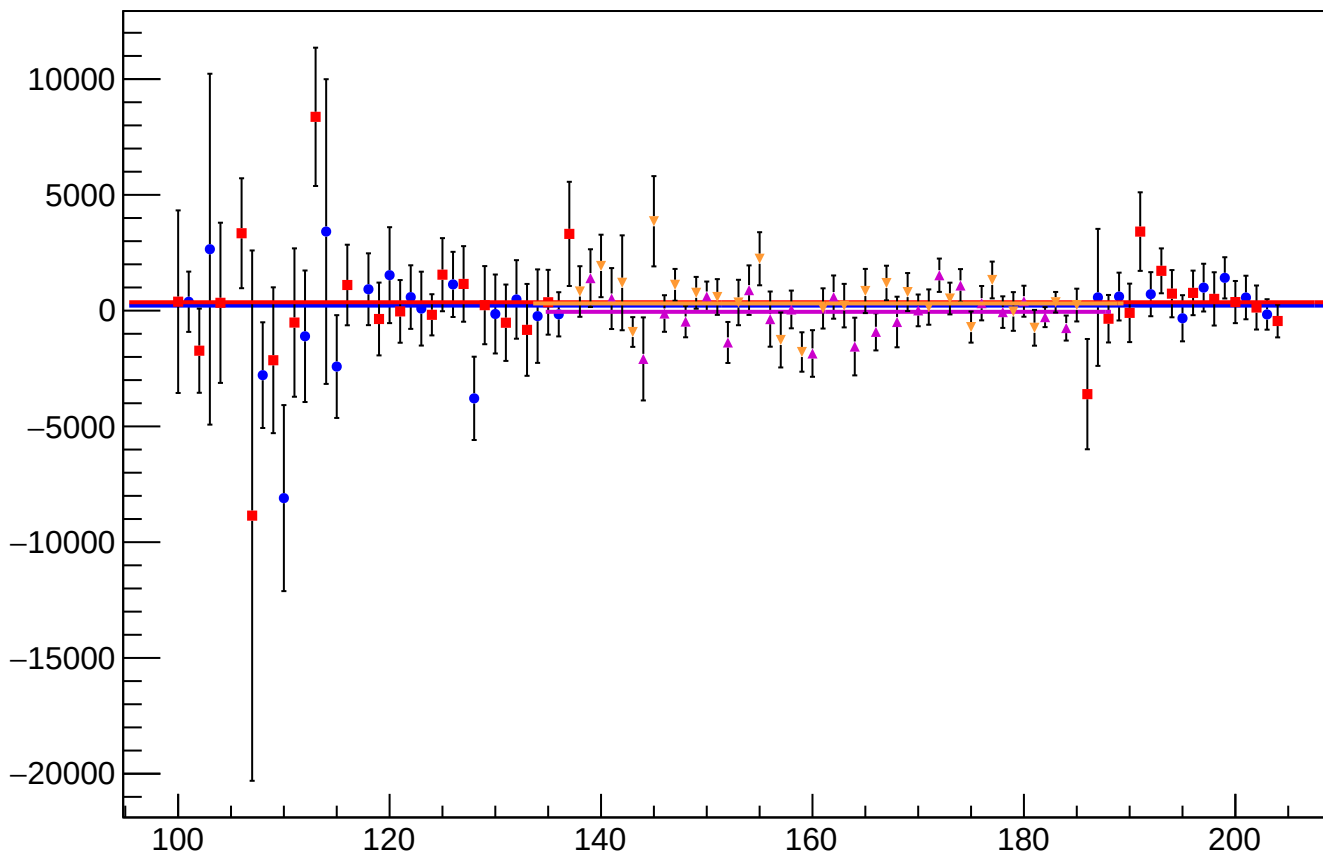
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

+ sign 2439.851 $\pm$ 0.313 χ^2 /NDF: 391309.7/49

All: 2445.610 $\pm$ 0.220 χ^2 /NDF: 1069364.9/10

- sign 2451.247 $\pm$ 0.310 χ^2 /NDF: 677387.2/52

asym_atl1_correction_mean vs Slug



Right In: 216.821 $\pm$ 263.171 χ^2 /NDF: 17.9/24

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

Right Out: 362.299 $\pm$ 248.312 χ^2 /NDF: 25.7/29

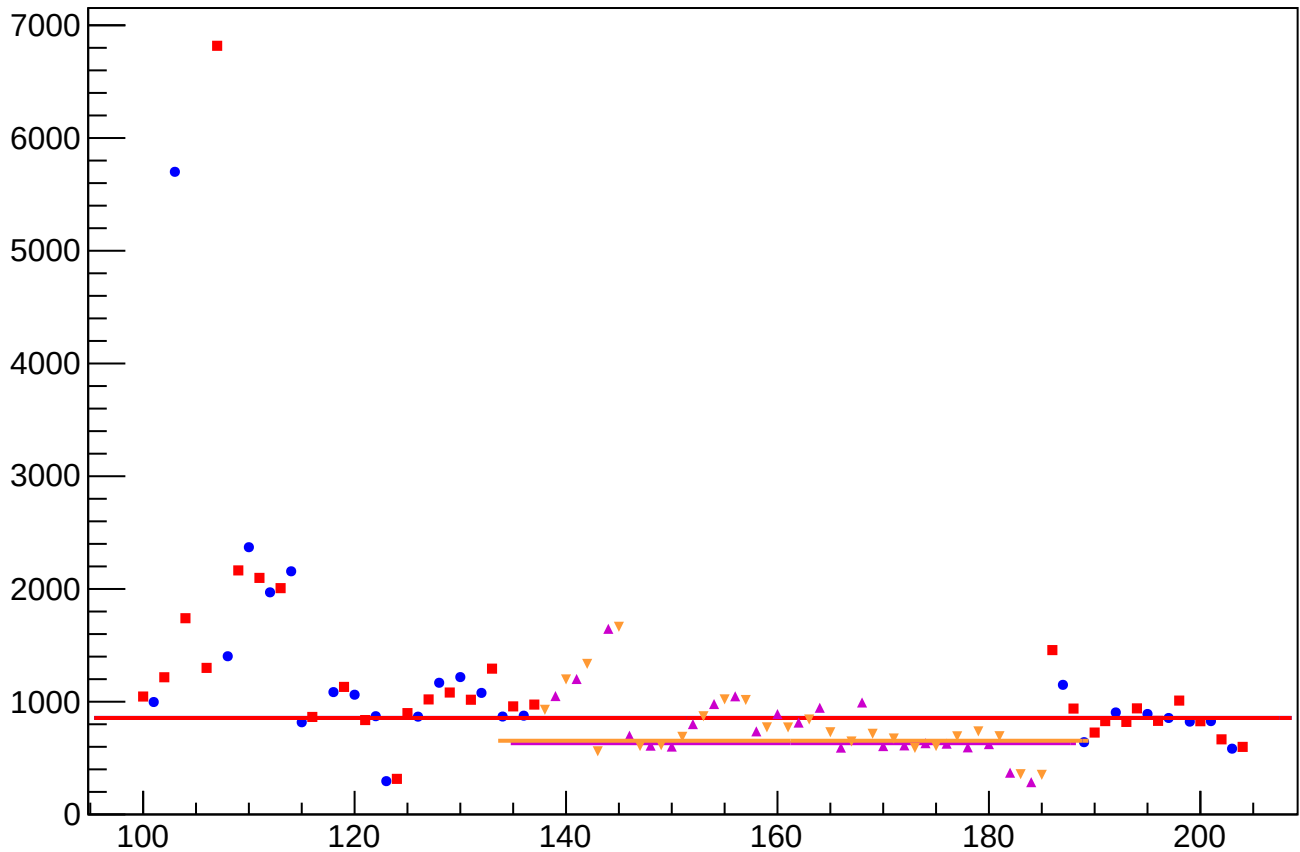
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF: 23.8/22

+ sign 285.340 $\pm$ 137.121 χ^2 /NDF: 47.8/49

All: 177.323 $\pm$ 96.391 χ^2 /NDF: 100.5/102

- sign 71.801 $\pm$ 135.528 χ^2 /NDF: 51.5/52

asym_atl1_correction_rms vs Slug



Right In: 856.439 ± 0.186 χ^2/NDF : 2585036.1/24

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

Right Out: 855.771 ± 0.176 χ^2/NDF : 3320872.4/29

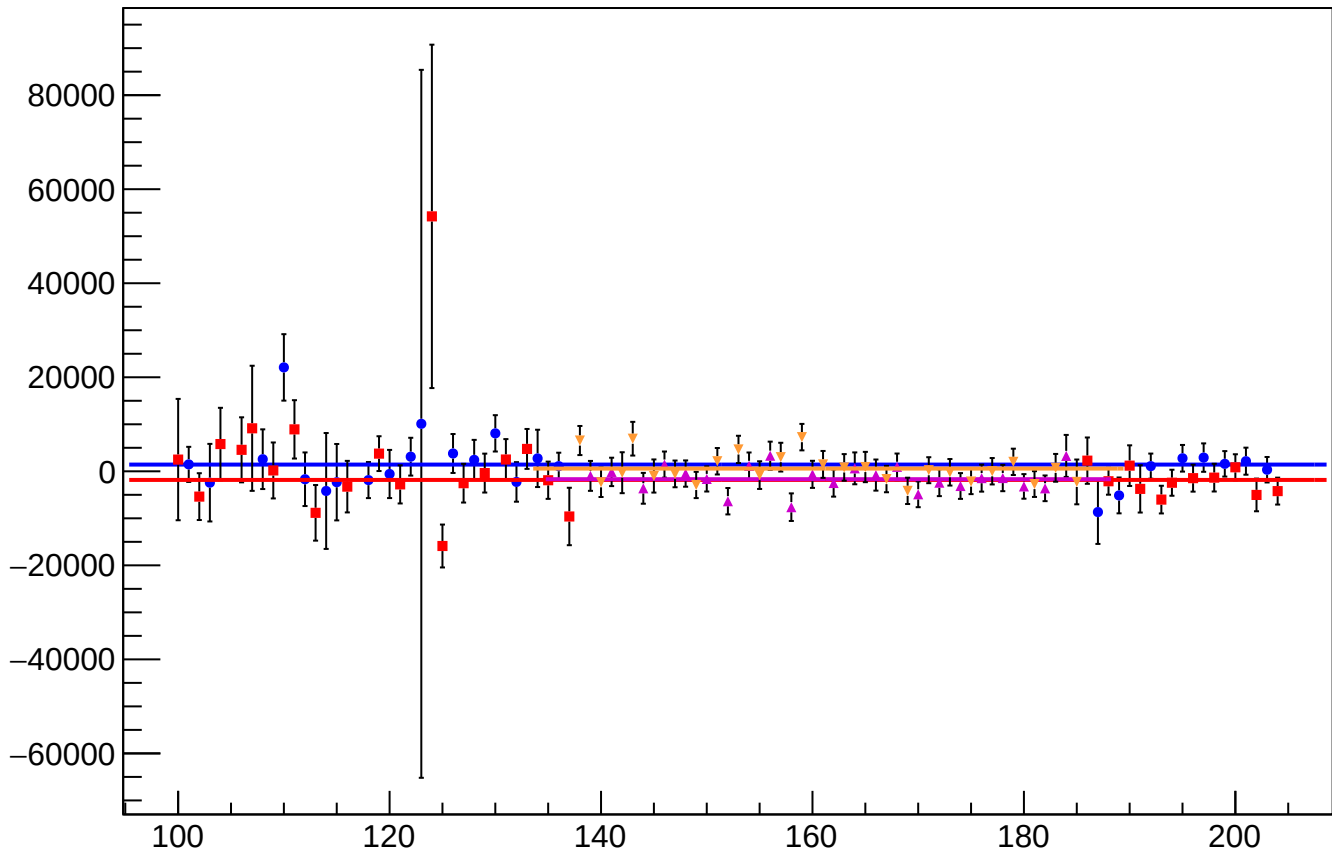
Left In: 632.053 ± 0.114 χ^2/NDF : 3942853.4/22

+ sign 708.814 ± 0.097 χ^2/NDF : 6703571.0/49

All: 703.696 ± 0.068 χ^2/NDF : 15112627.0/10

- sign 698.697 ± 0.096 χ^2/NDF : 8403549.6/52

asym_atl1_mean vs Slug



Right In: 1430.167 $\pm$ 791.384 χ^2 /NDF: 20.7/24

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

Right Out: -1834.244 $\pm$ 749.641 χ^2 /NDF: 33.0/29

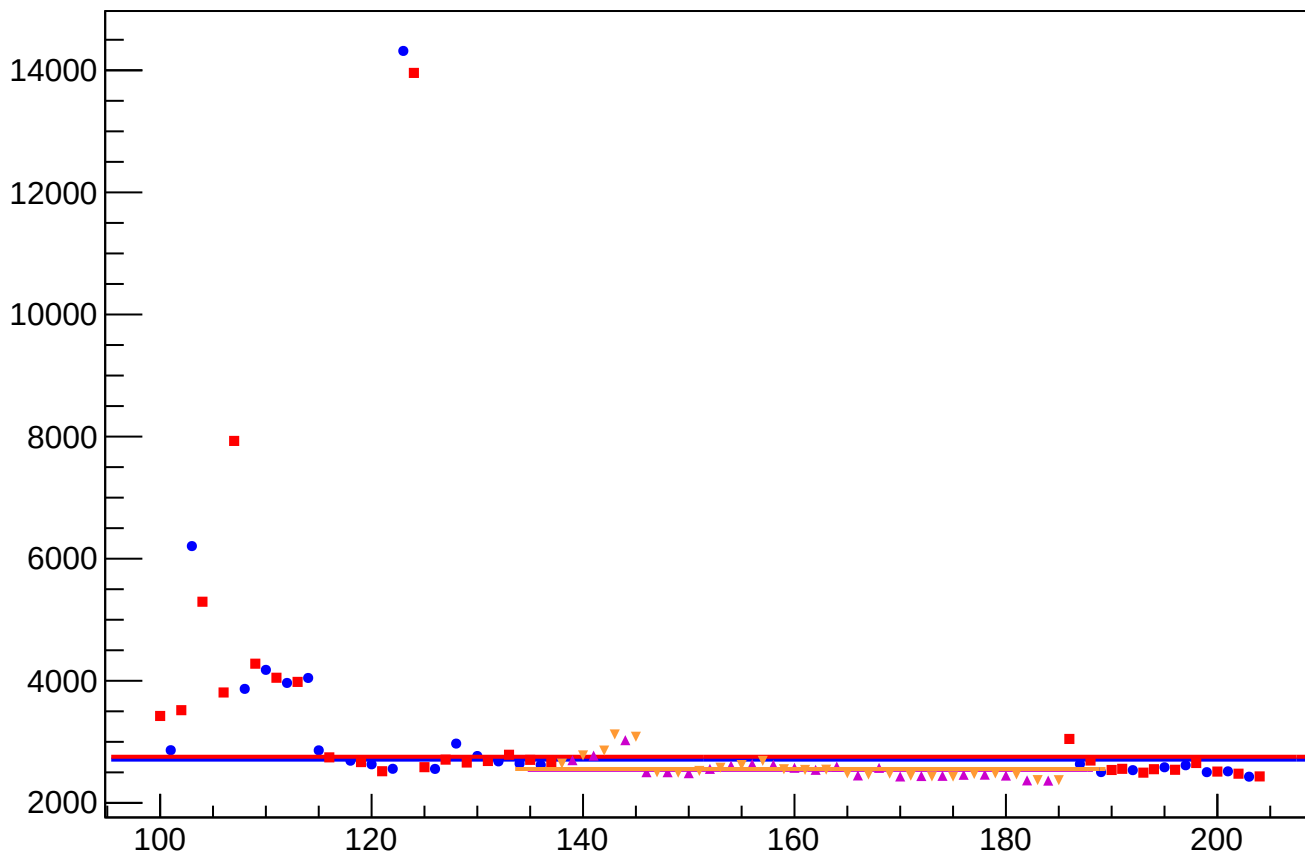
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 889.016 $\pm$ 476.685 χ^2 /NDF: 46.7/49

All: -435.750 $\pm$ 335.828 χ^2 /NDF: 113.3/102

- sign -1741.202 $\pm$ 473.198 χ^2 /NDF: 51.2/52

asym_atl1_rms vs Slug



Right In: 2708.657 $\pm$ 0.560 χ^2 /NDF: 763103.7/24

Left Out: 2555.279 $\pm$ 0.422 χ^2 /NDF:154743.6/24

Right Out: 2755.915 $\pm$ 0.530 χ^2 /NDF: 1233693.6/29

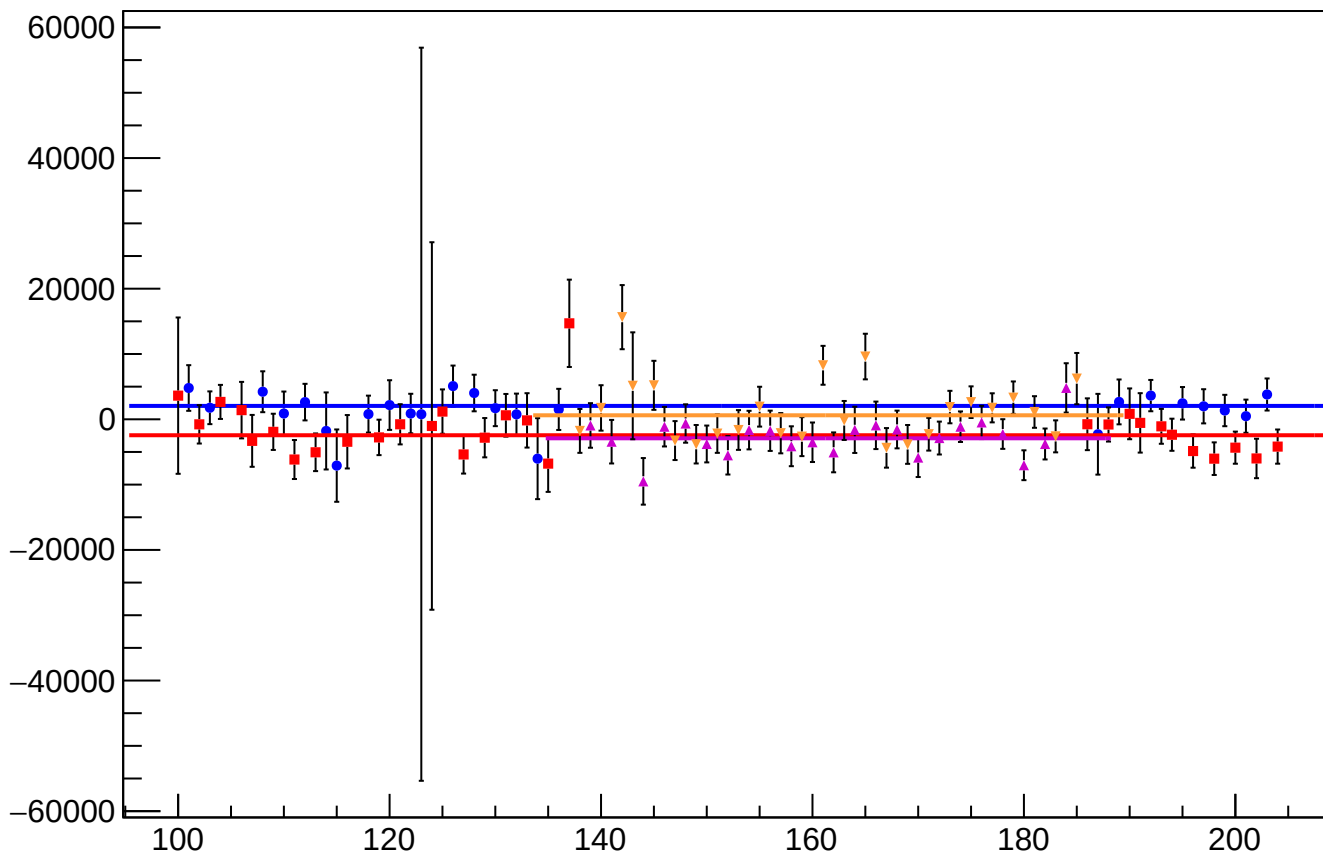
Left In: 2540.988 $\pm$ 0.431 χ^2 /NDF:94756.7/22

+ sign 2610.928 $\pm$ 0.337 χ^2 /NDF: 965715.2/49

All: 2618.835 $\pm$ 0.237 χ^2 /NDF: 2394153.3/10

- sign 2626.627 $\pm$ 0.335 χ^2 /NDF: 1427345.5/52

reg_asym_atl2_mean vs Slug



Right In: 2051.134 $\pm$ 620.424 χ^2 /NDF: 10.1/24

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

Right Out: -2440.355 $\pm$ 581.411 χ^2 /NDF: 26.1/29

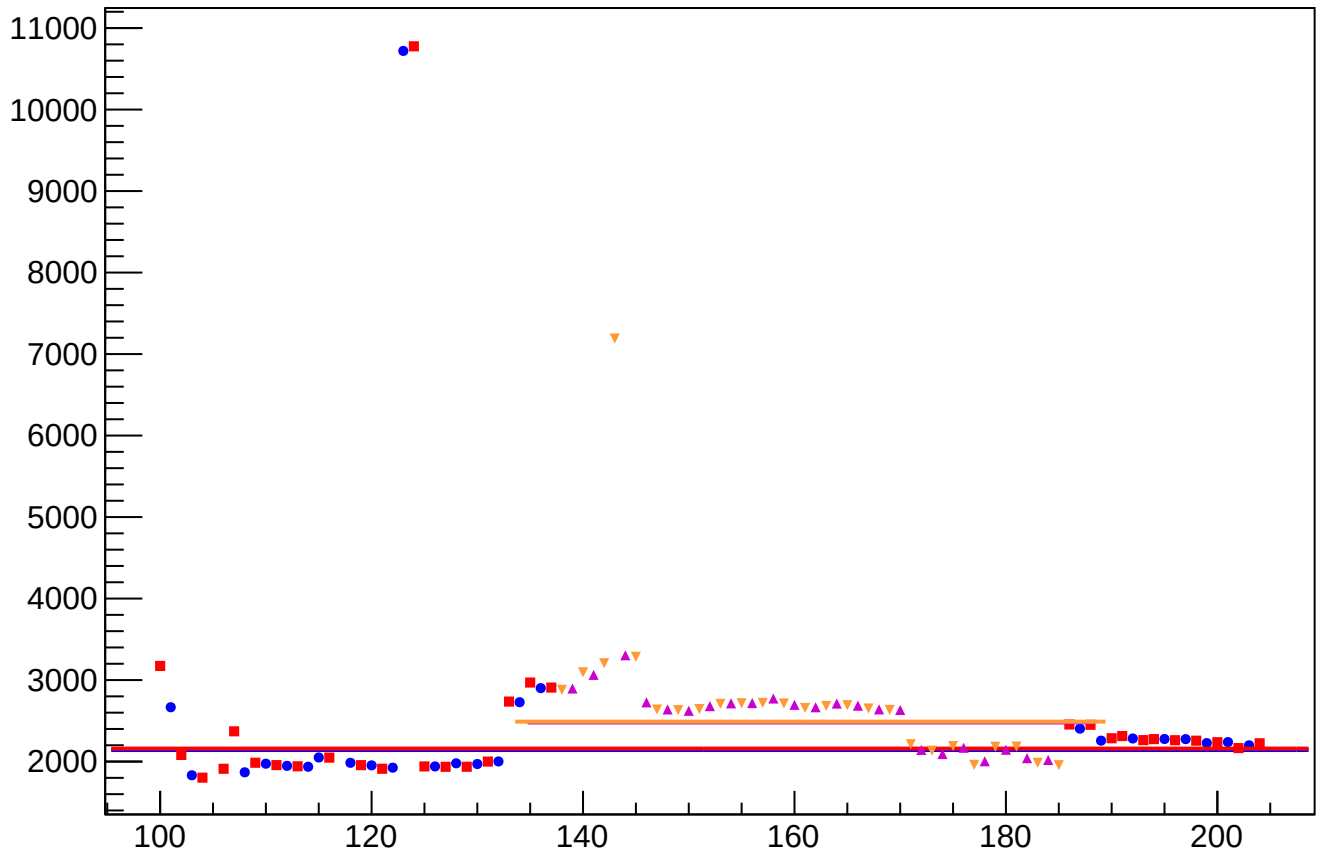
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF: 17.4/22

+ sign 1298.315 $\pm$ 427.980 χ^2 /NDF: 58.1/49

All: -734.083 $\pm$ 298.827 χ^2 /NDF: 145.8/102

- sign -2667.485 $\pm$ 417.427 χ^2 /NDF: 43.7/52

reg_asym_atl2_rms vs Slug



Right In: 2141.568 $\pm$ 0.439 χ^2 /NDF: 367873.7/24

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

Right Out: 2158.978 $\pm$ 0.411 χ^2 /NDF: 534013.1/29

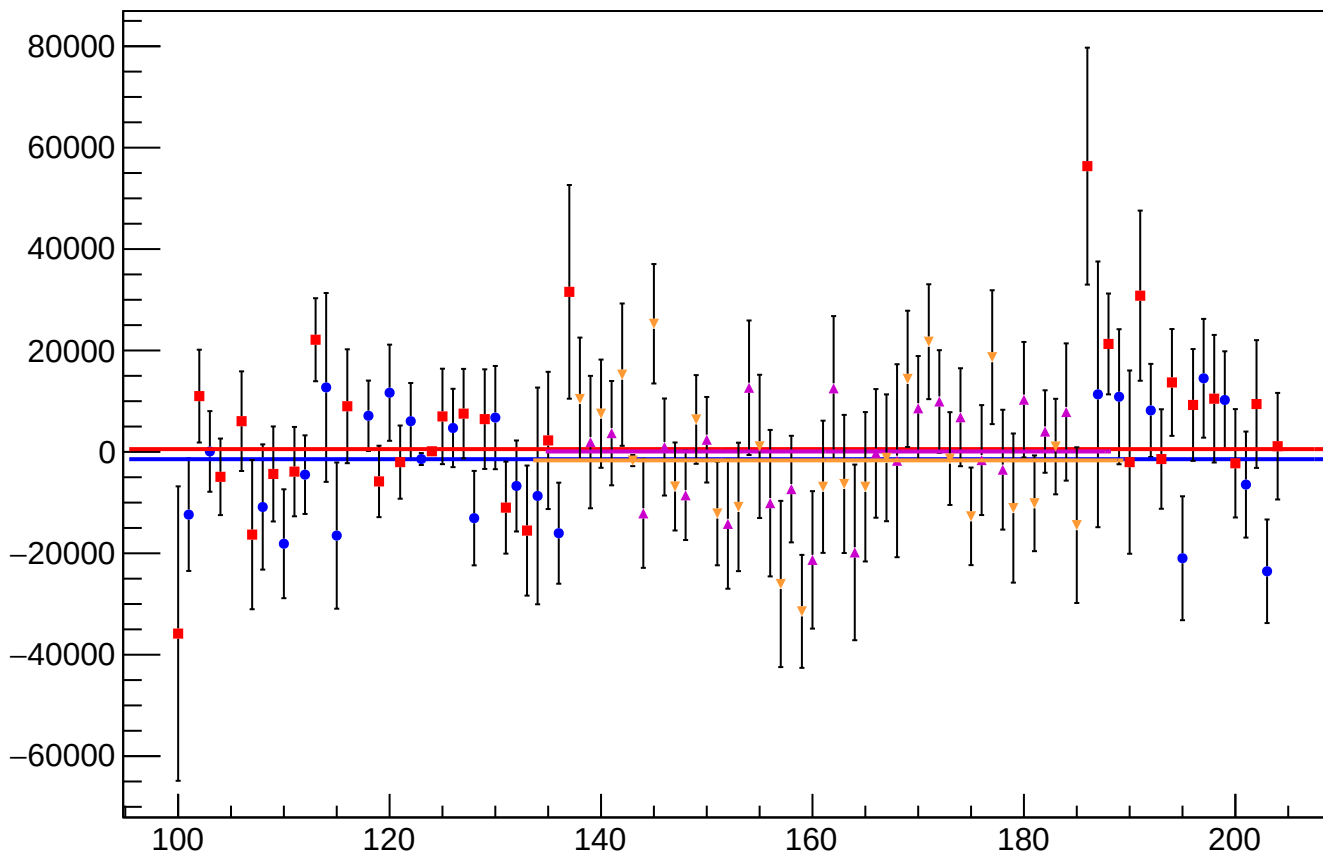
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF: 668398.2/22

+ sign 2323.976 $\pm$ 0.303 χ^2 /NDF: 2061906.3/49

All: 2318.971 $\pm$ 0.211 χ^2 /NDF: 3559091.1/10

- sign 2314.210 $\pm$ 0.295 χ^2 /NDF: 1496651.1/52

asym_atl2_correction_mean vs Slug



Right In: -1437.333 $\pm$ 1019.795 χ^2 /NDF: 28.7/24

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

Right Out: 549.186 $\pm$ 682.807 χ^2 /NDF: 37.9/29

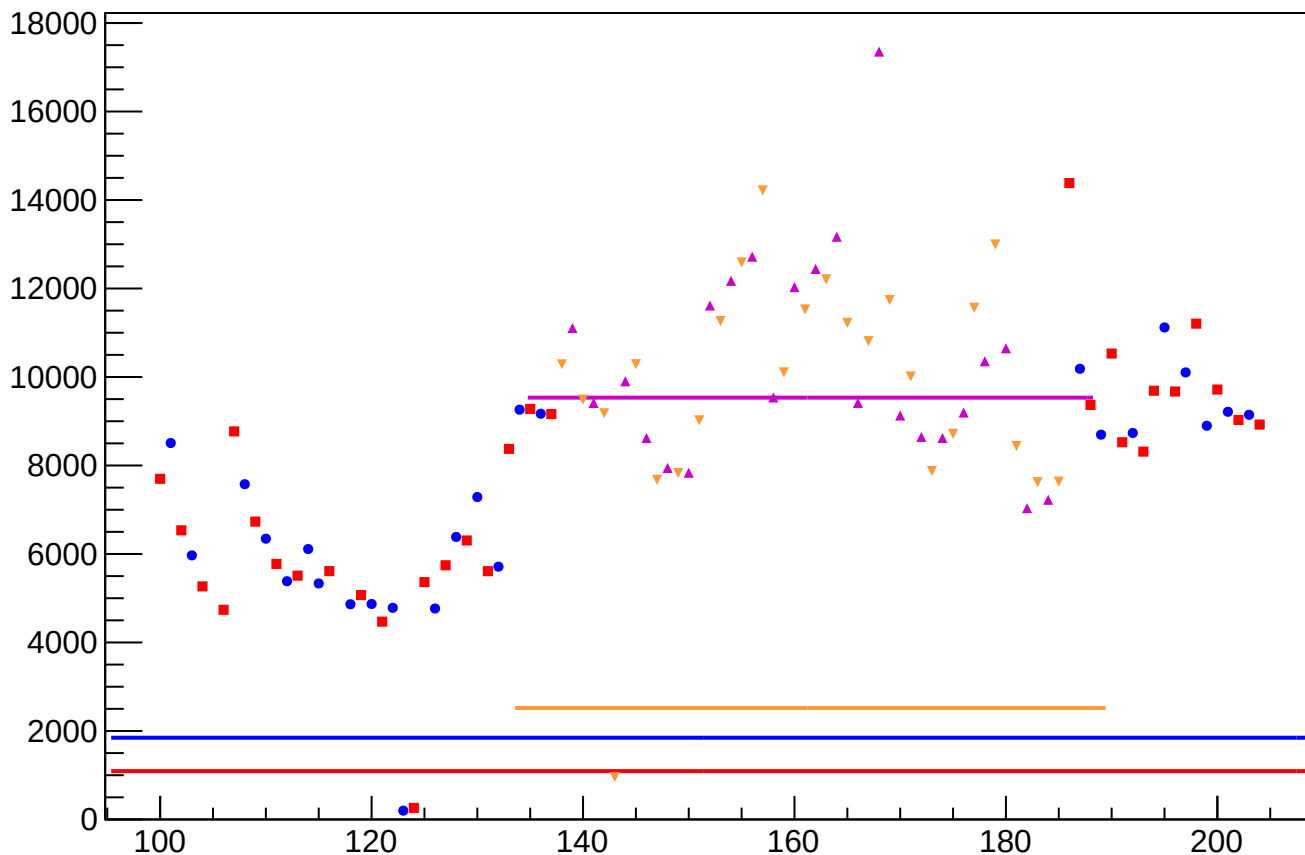
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1554.404 $\pm$ 711.464 χ^2 /NDF: 61.1/49

All: -436.328 $\pm$ 481.995 χ^2 /NDF: 117.4/102

- sign 512.146 $\pm$ 655.284 χ^2 /NDF: 51.8/52

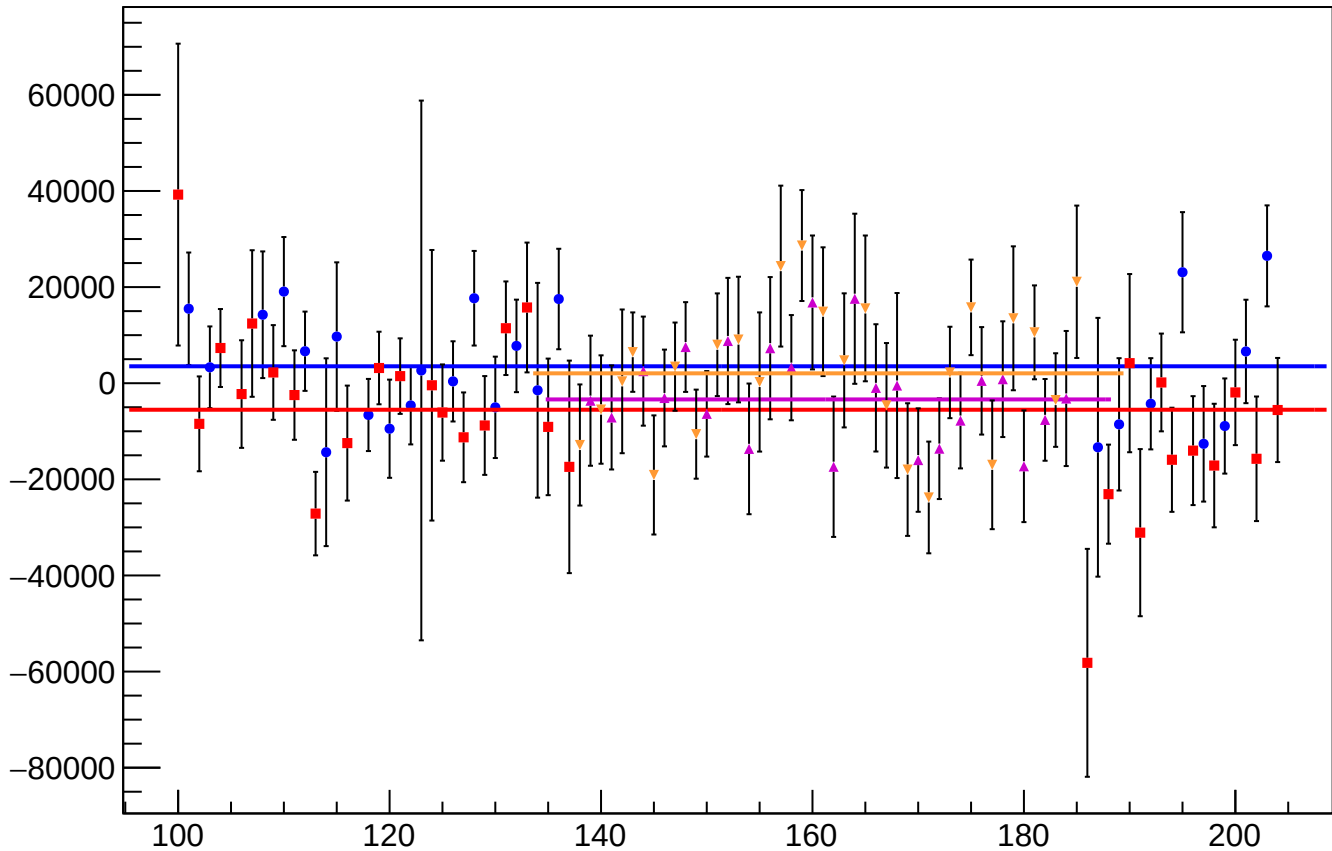
asym_atl2_correction_rms vs Slug



Right In: 1847.261 $\pm$ 0.721 χ^2 /NDF: 17610762.7/24
 Left Out: 2519.359 $\pm$ 0.702 χ^2 /NDF: 23642118.3/24
 Right Out: 1092.484 $\pm$ 0.483 χ^2 /NDF: 22906651.4/29
 Left In: 9533.563 $\pm$ 1.649 χ^2 /NDF: 1316640.0/22

+ sign 2192.235 $\pm$ 0.503 χ^2 /NDF: 41698766.9/49
 All: 1957.977 $\pm$ 0.341 χ^2 /NDF: 90466724.6/1
 - sign 1759.253 $\pm$ 0.463 χ^2 /NDF: 48367191.9/52

asym_atl2_mean vs Slug



Right In: 3521.199+/-2163.776 χ^2/NDF : 26.6/24

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

Right Out: -5519.738+/-2032.787 χ^2/NDF : 35.5/29

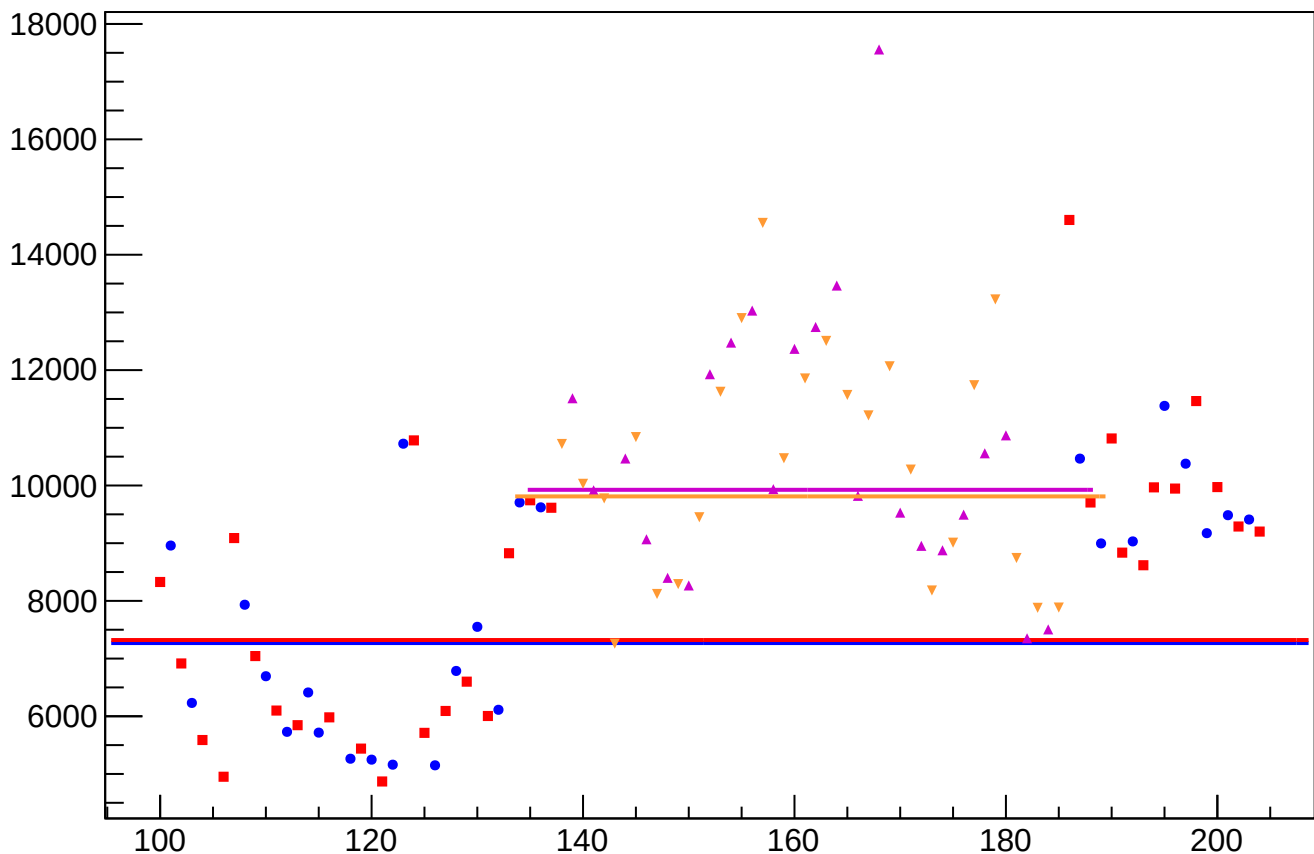
Left In: -3371.931+/-2423.242 χ^2/NDF :13.1/22

+ sign 2843.791+/-1586.631 χ^2/NDF : 57.6/49

All: -963.956+/-1111.432 χ^2/NDF : 117.9/102

- sign -4632.600+/-1557.381 χ^2/NDF : 49.0/52

asym_atl2_rms vs Slug



Right In: 7268.944+/-1.530 χ^2/NDF : 1548600.5/24

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

Right Out: 7321.294+/-1.437 χ^2/NDF : 1990419.8/29

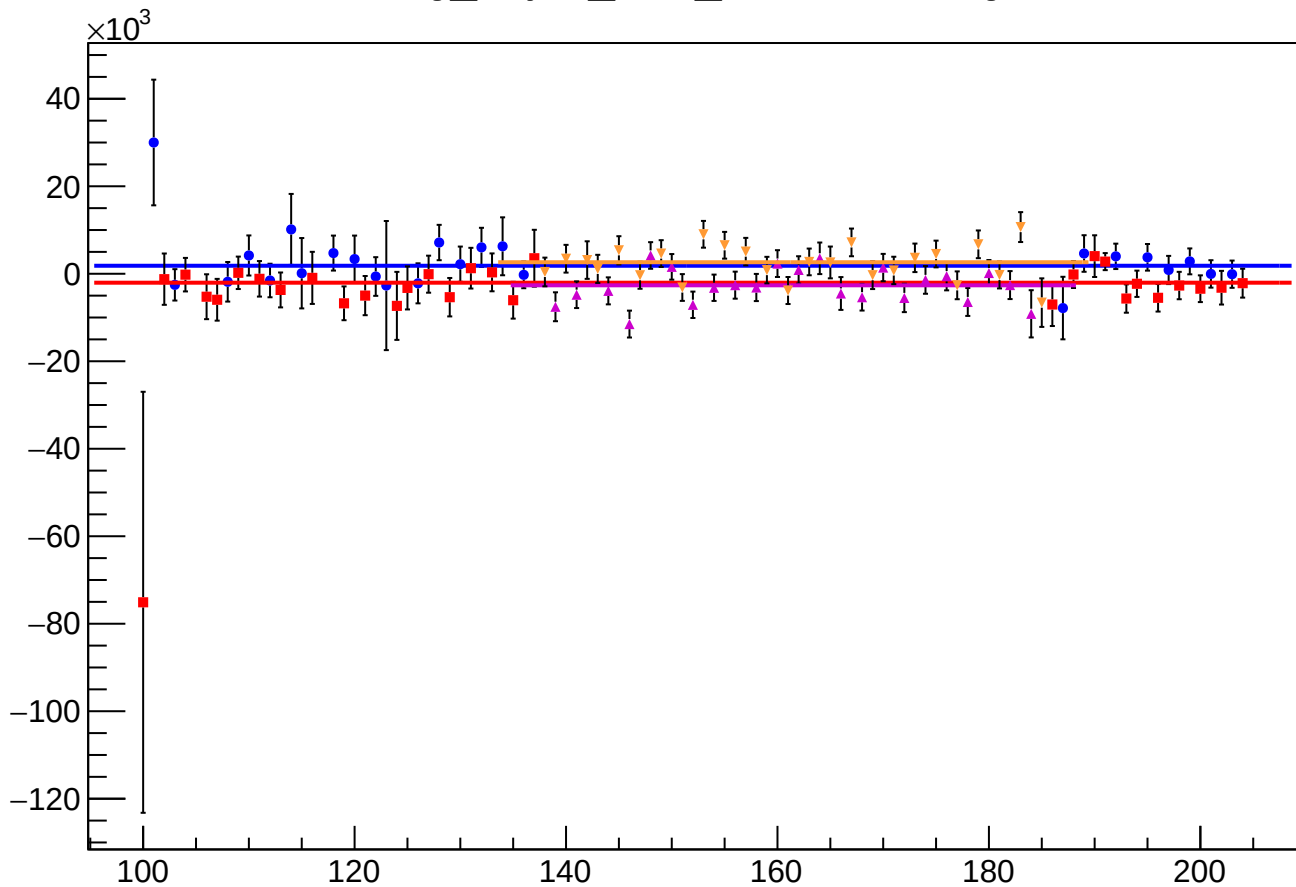
Left In: 9925.337+/-1.713 χ^2/NDF : 1211554.7/22

+ sign 8444.196+/-1.122 χ^2/NDF : 4038675.2/49

All: 8420.075+/-0.786 χ^2/NDF : 8597215.7/10

- sign 8396.836+/-1.101 χ^2/NDF : 4557632.9/52

reg_asym_atr1_mean vs Slug



Right In: 1831.145 $\pm$ 816.430 χ^2 /NDF: 17.6/24

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

Right Out: -2042.496 $\pm$ 707.841 χ^2 /NDF: 21.8/29

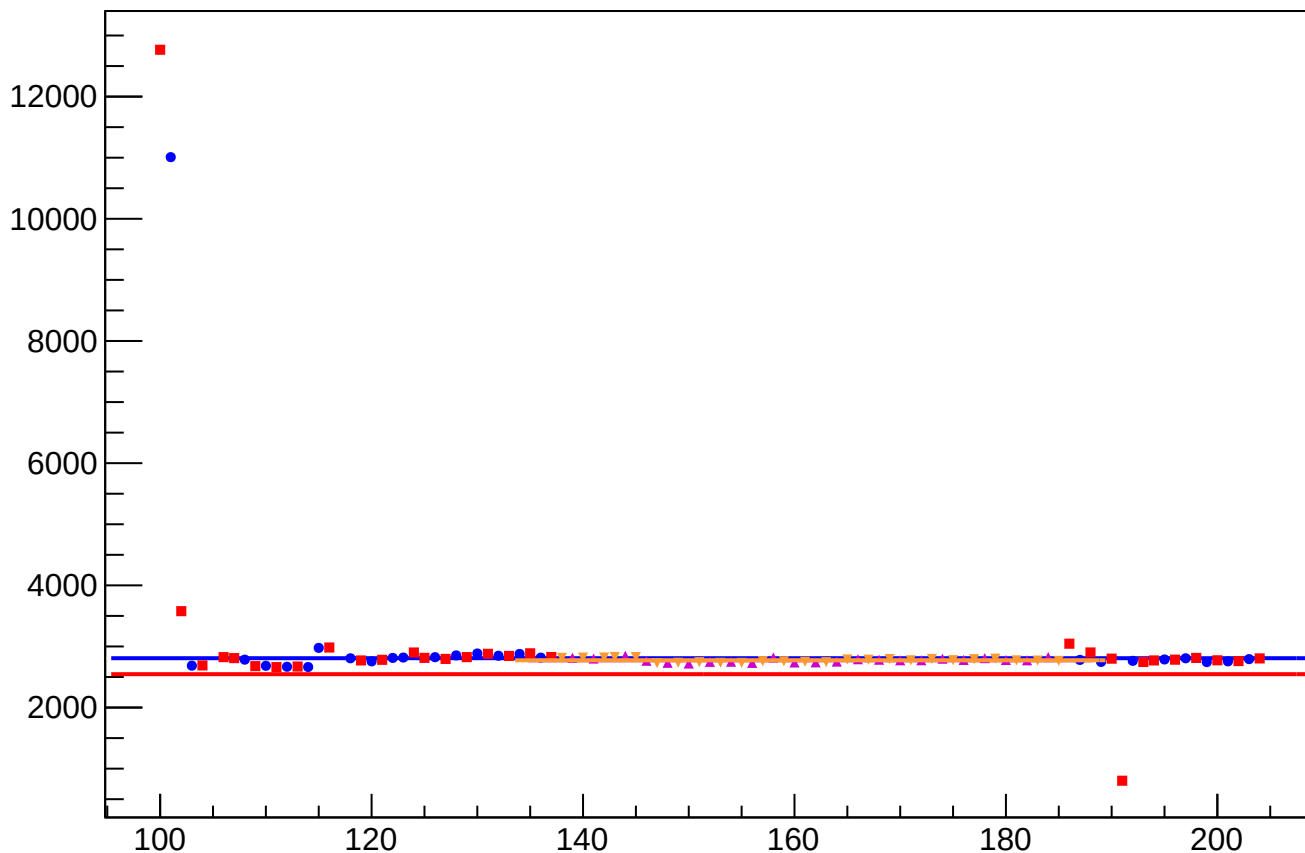
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF:35.2/22

+ sign 2325.939 $\pm$ 506.655 χ^2 /NDF: 53.3/49

All: -121.382 $\pm$ 350.162 χ^2 /NDF: 155.4/102

- sign -2359.328 $\pm$ 484.497 χ^2 /NDF: 57.4/52

reg_asym_atr1_rms vs Slug



Right In: 2807.658 $\pm$ 0.577 χ^2 /NDF: 664287.6/24

Left Out: 2773.713 $\pm$ 0.457 χ^2 /NDF: 4616.5/24

Right Out: 2546.178 $\pm$ 0.501 χ^2 /NDF: 1987584.9/29

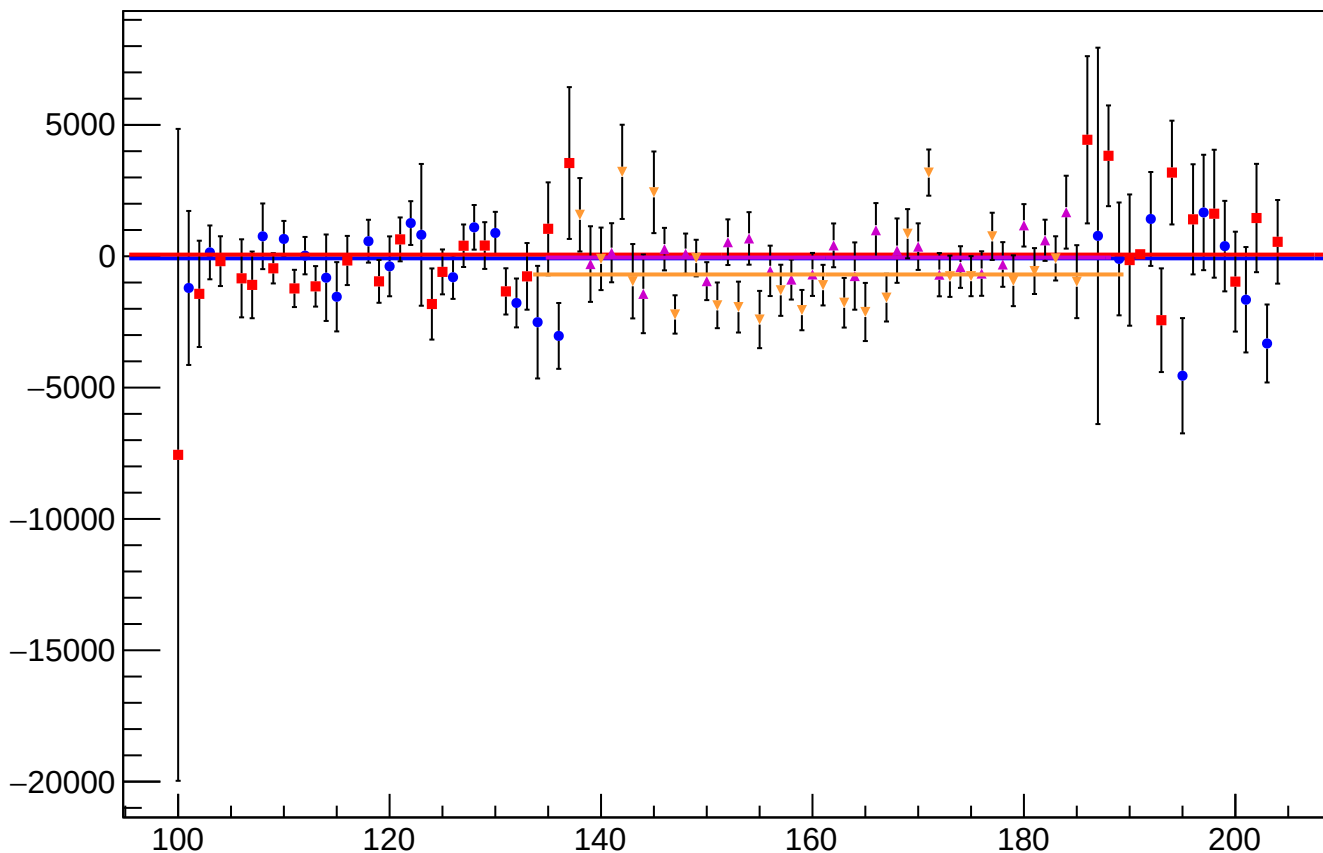
Left In: 2774.036 $\pm$ 0.470 χ^2 /NDF: 4985.3/22

+ sign 2786.786 $\pm$ 0.358 χ^2 /NDF: 671029.9/49

All: 2724.365 $\pm$ 0.248 χ^2 /NDF: 2831869.2/10

- sign 2667.284 $\pm$ 0.343 χ^2 /NDF: 2102721.3/52

asym_atr1_correction_mean vs Slug



Right In: -79.495 ± 229.326 χ^2/NDF : 31.9/24

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

Right Out: 63.234 ± 37.876 χ^2/NDF : 30.1/29

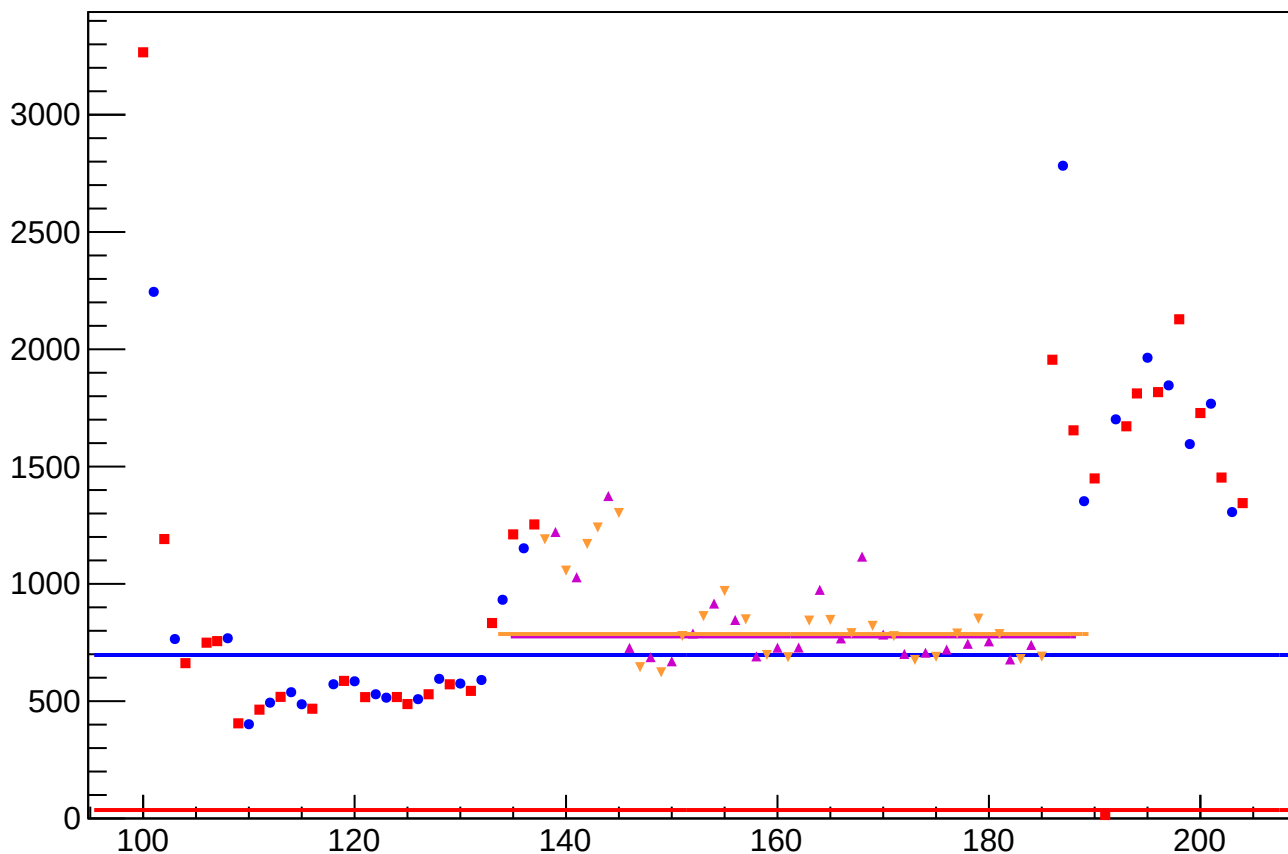
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -447.399 ± 145.063 χ^2/NDF : 92.2/49

All: 27.756 ± 35.979 χ^2/NDF : 147.7/102

- sign 58.900 ± 37.139 χ^2/NDF : 44.0/52

asym_atr1_correction_rms vs Slug



Right In: 696.801 ± 0.162 χ^2/NDF : 5478415.3/24

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

Right Out: 35.938 ± 0.027 χ^2/NDF : 25268617.2/29

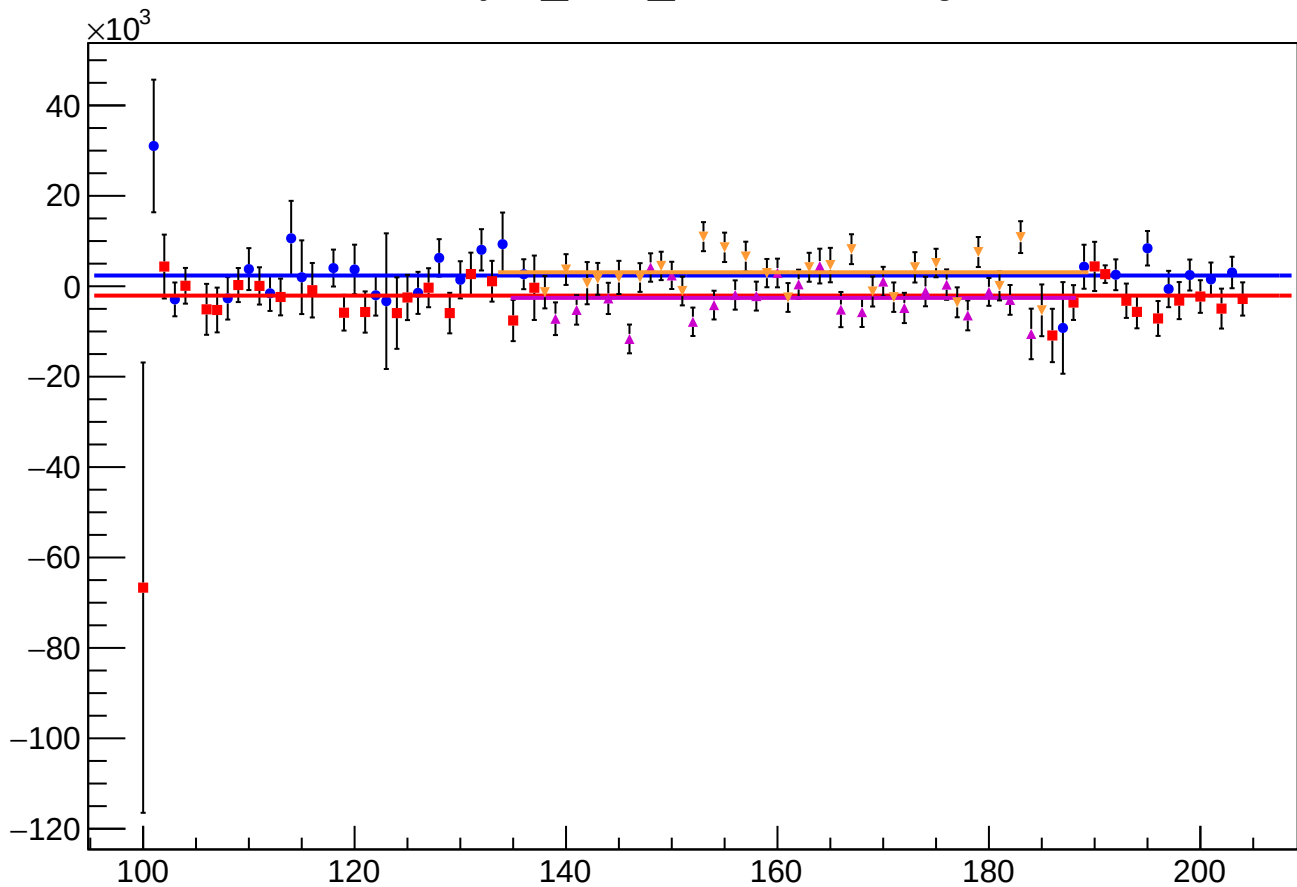
Left In: 775.930 ± 0.134 χ^2/NDF : 1056766.5/22

+ sign 750.412 ± 0.103 χ^2/NDF : 6910165.3/49

All: 106.650 ± 0.025 χ^2/NDF : 104623937.4/100

- sign 64.454 ± 0.026 χ^2/NDF : 55743972.6/52

asym_atr1_mean vs Slug



Right In: 2375.969 $\pm$ 897.314 χ^2 /NDF: 19.1/24

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

Right Out: -2067.512 $\pm$ 772.823 χ^2 /NDF: 23.0/29

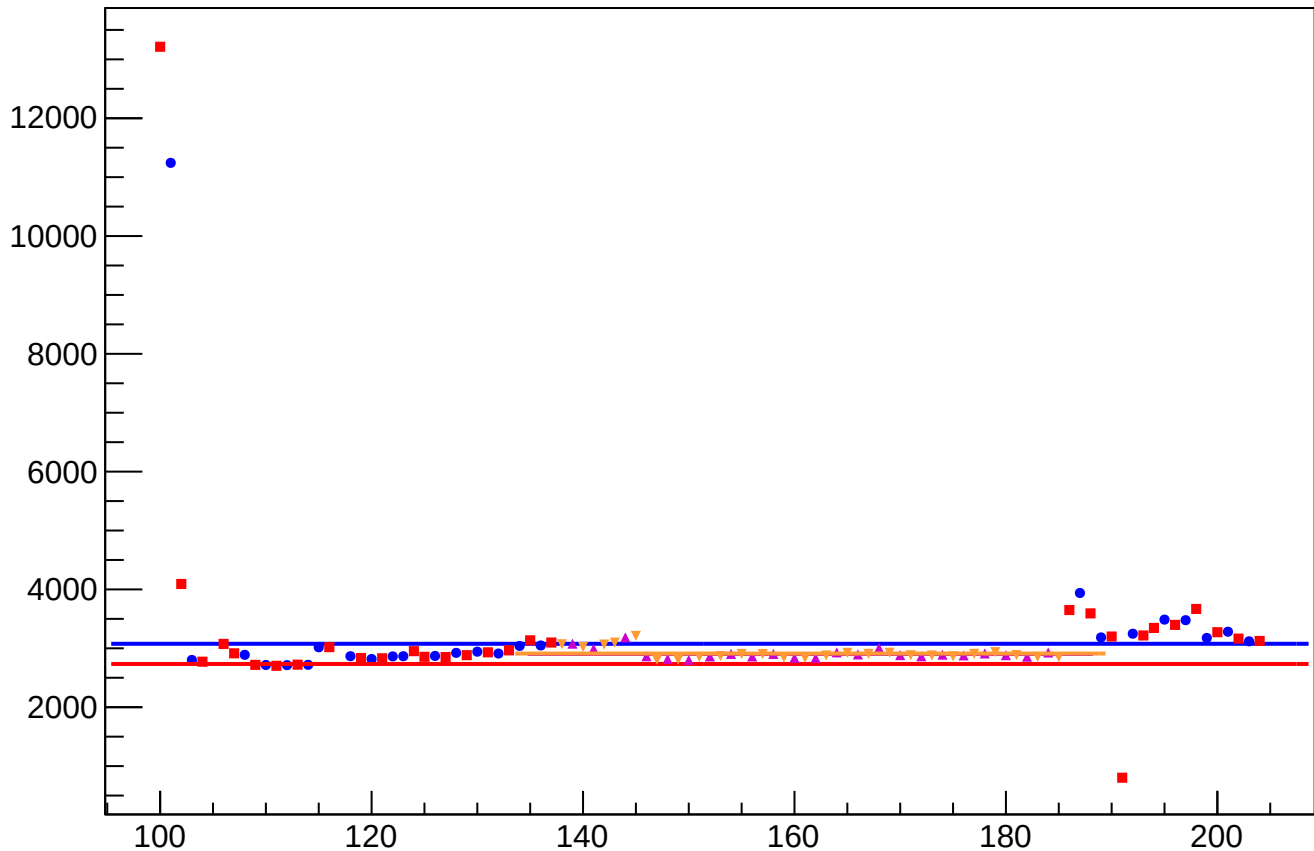
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2833.323 $\pm$ 541.205 χ^2 /NDF: 58.2/49

All: 125.316 $\pm$ 373.874 χ^2 /NDF: 165.0/102

- sign -2346.798 $\pm$ 517.096 χ^2 /NDF: 58.9/52

asym_atr1_rms vs Slug



Right In: 3076.795+/-0.634 χ^2/NDF : 765022.8/24

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

Right Out: 2734.143+/-0.546 χ^2/NDF : 2680858.6/29

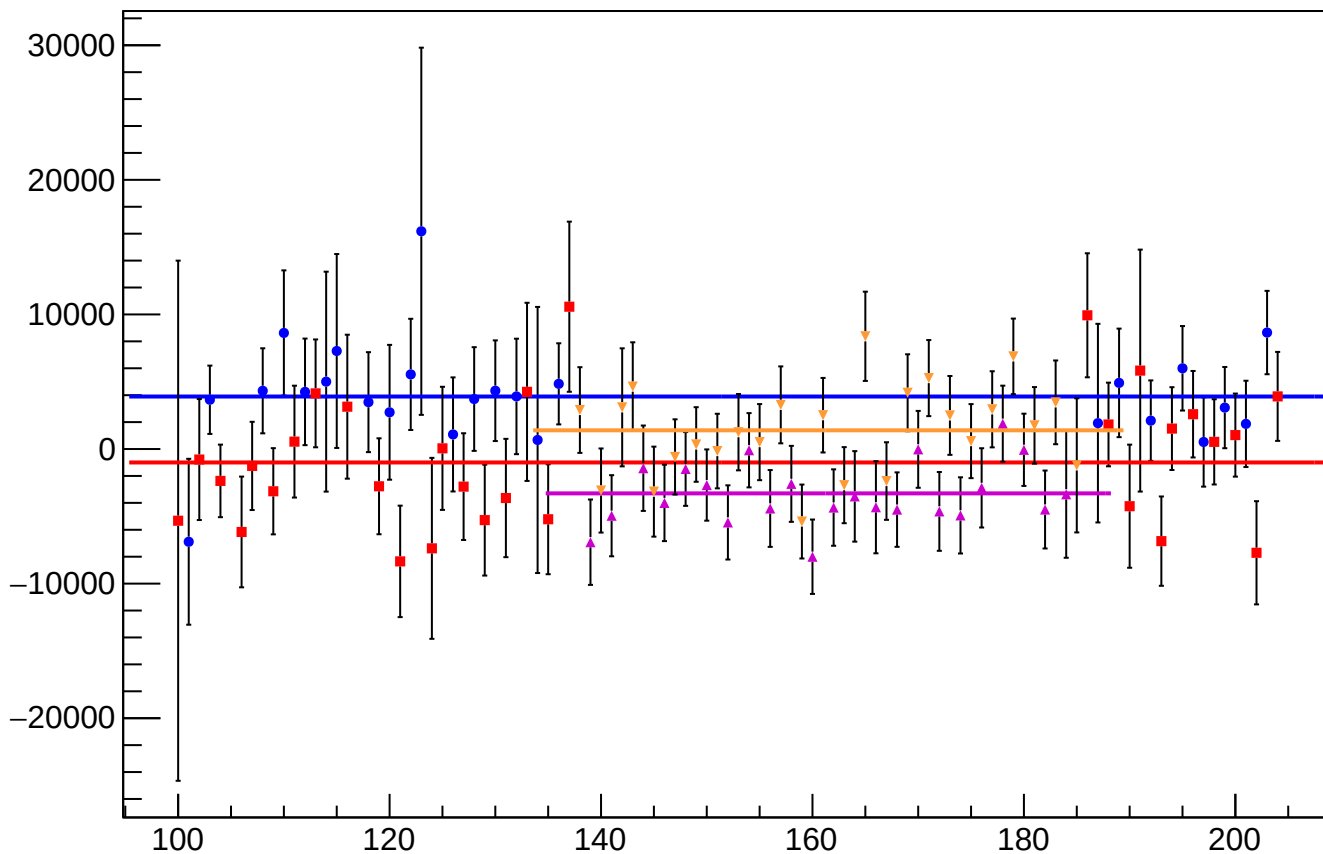
Left In: 2903.411+/-0.492 χ^2/NDF :28838.5/22

+ sign 2971.456+/-0.383 χ^2/NDF : 844989.1/49

All: 2896.268+/-0.264 χ^2/NDF : 3681516.5/10

- sign 2827.630+/-0.366 χ^2/NDF : 2762687.9/52

reg_asym_atr2_mean vs Slug



Right In: 3901.224+/-774.448 χ^2/NDF : 10.9/24

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

Right Out: -998.610+/-715.667 χ^2/NDF : 34.3/29

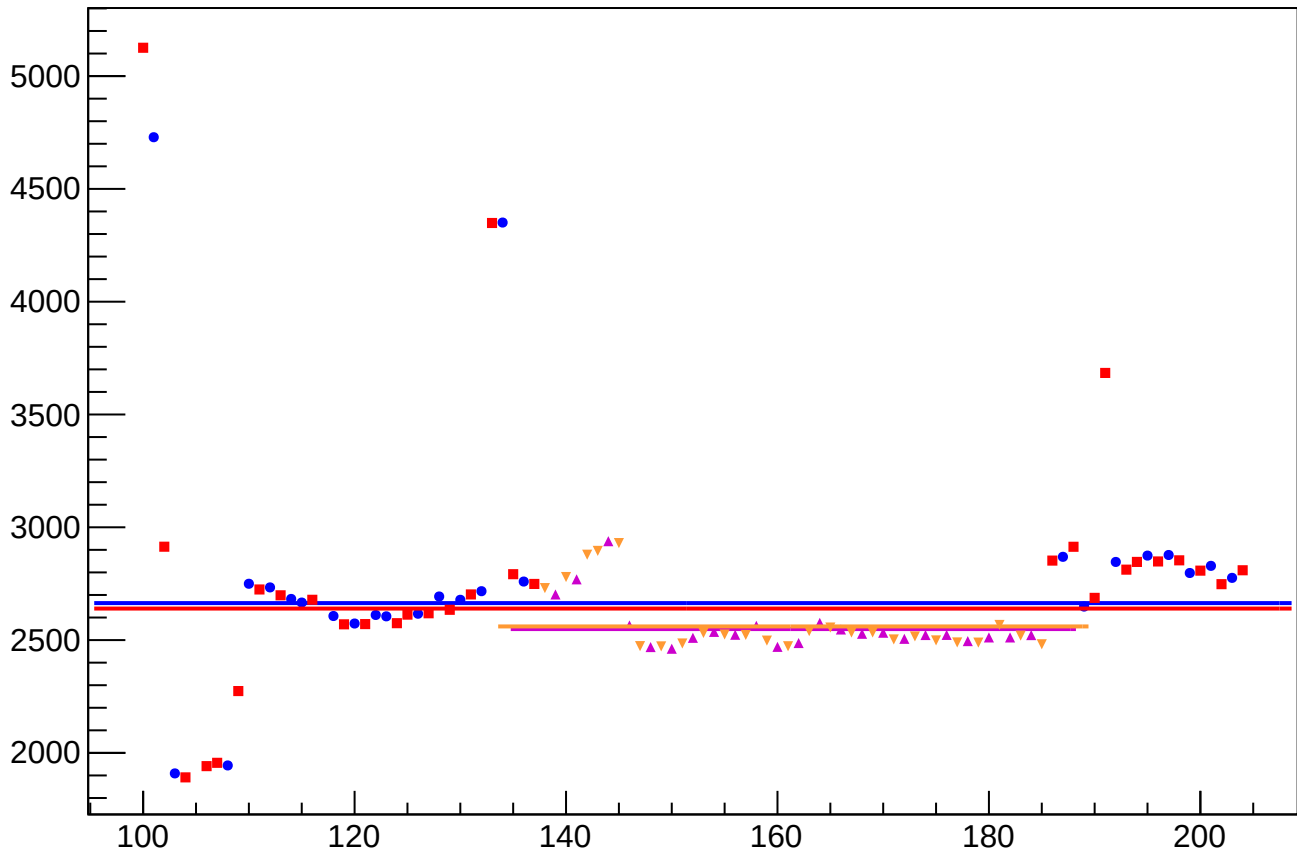
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2325.262+/-472.581 χ^2/NDF : 46.6/49

All: -43.264+/-331.177 χ^2/NDF : 151.1/102

- sign -2328.919+/-464.240 χ^2/NDF : 55.1/52

reg_asym_atr2_rms vs Slug



Right In: 2663.979+/-0.548 χ^2/NDF : 607177.2/24

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

Right Out: 2639.765+/-0.506 χ^2/NDF : 597496.3/29

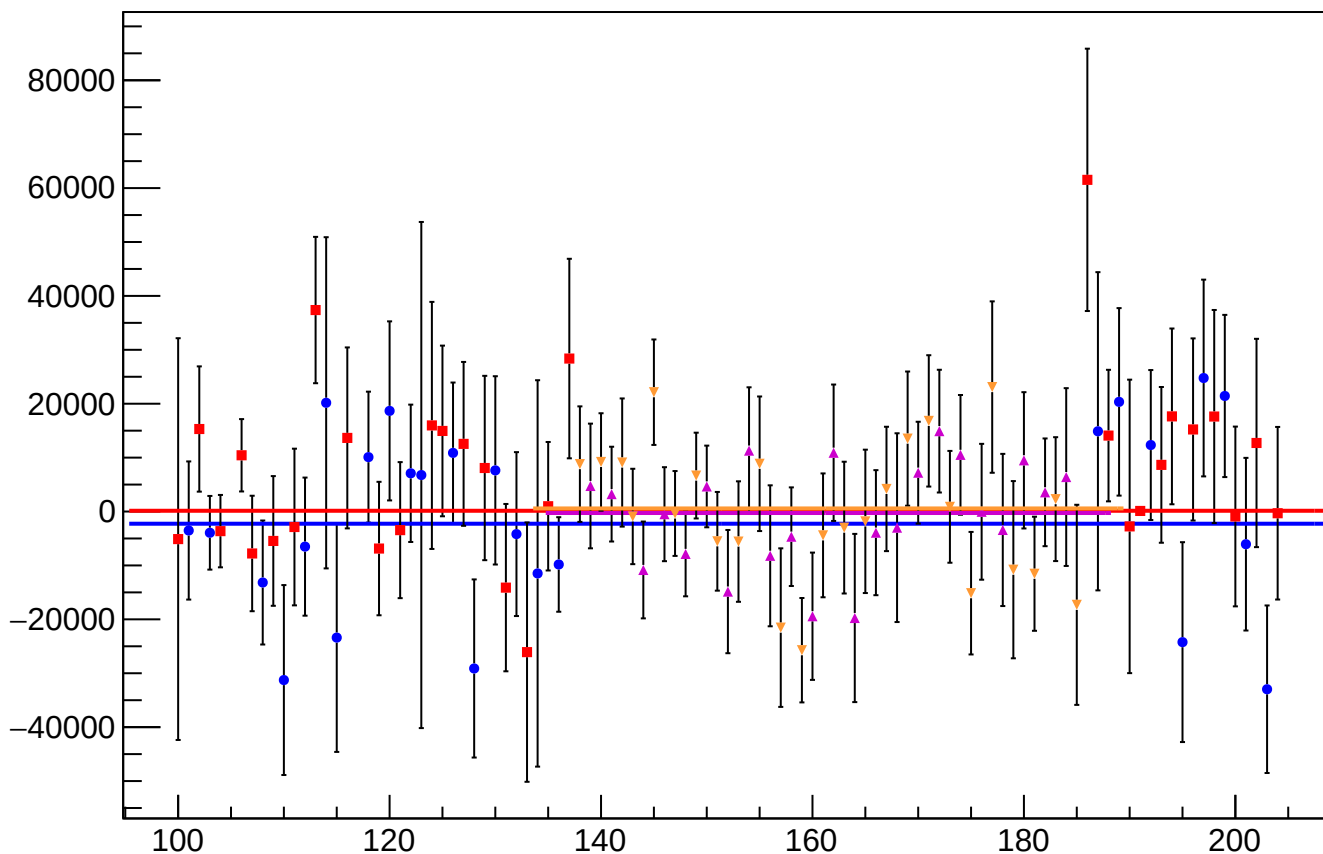
Left In: 2548.870+/-0.431 χ^2/NDF : 55266.2/22

+ sign 2599.052+/-0.334 χ^2/NDF : 716345.8/49

All: 2592.978+/-0.234 χ^2/NDF : 1388444.1/10

- sign 2587.118+/-0.328 χ^2/NDF : 671449.3/52

asym_atr2_correction_mean vs Slug



Right In: -2261.961 ± 2844.404 χ^2/NDF : 26.5/24

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

Right Out: 141.005 ± 194.966 χ^2/NDF : 31.6/29

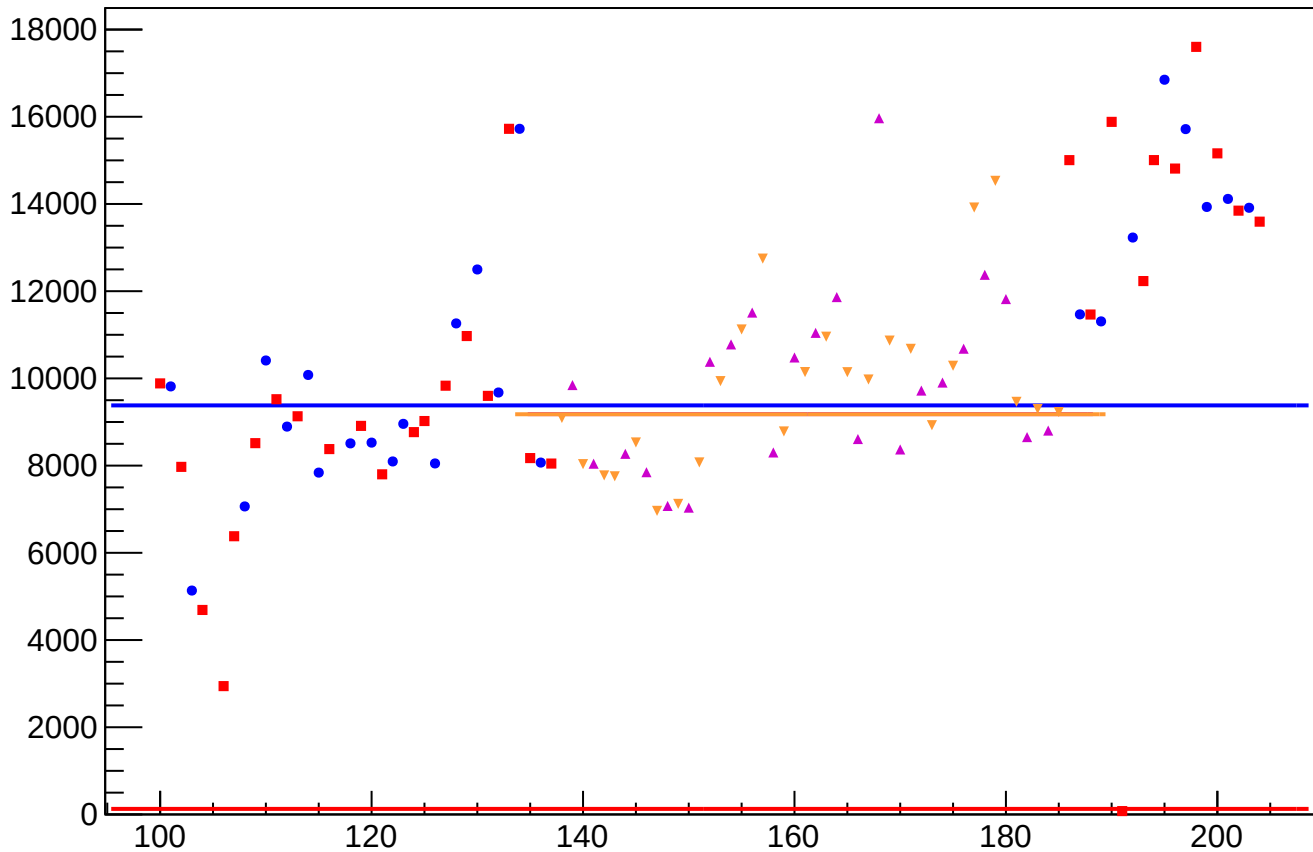
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -479.022 ± 1732.456 χ^2/NDF : 55.4/49

All: 130.226 ± 193.025 χ^2/NDF : 102.8/102

- sign 137.884 ± 194.234 χ^2/NDF : 47.3/52

asym_atr2_correction_rms vs Slug



Right In: 9380.766 $\pm$ 2.011 χ^2 /NDF: 2412944.2/24

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

Right Out: 127.624 $\pm$ 0.138 χ^2 /NDF: 26793225.8/29

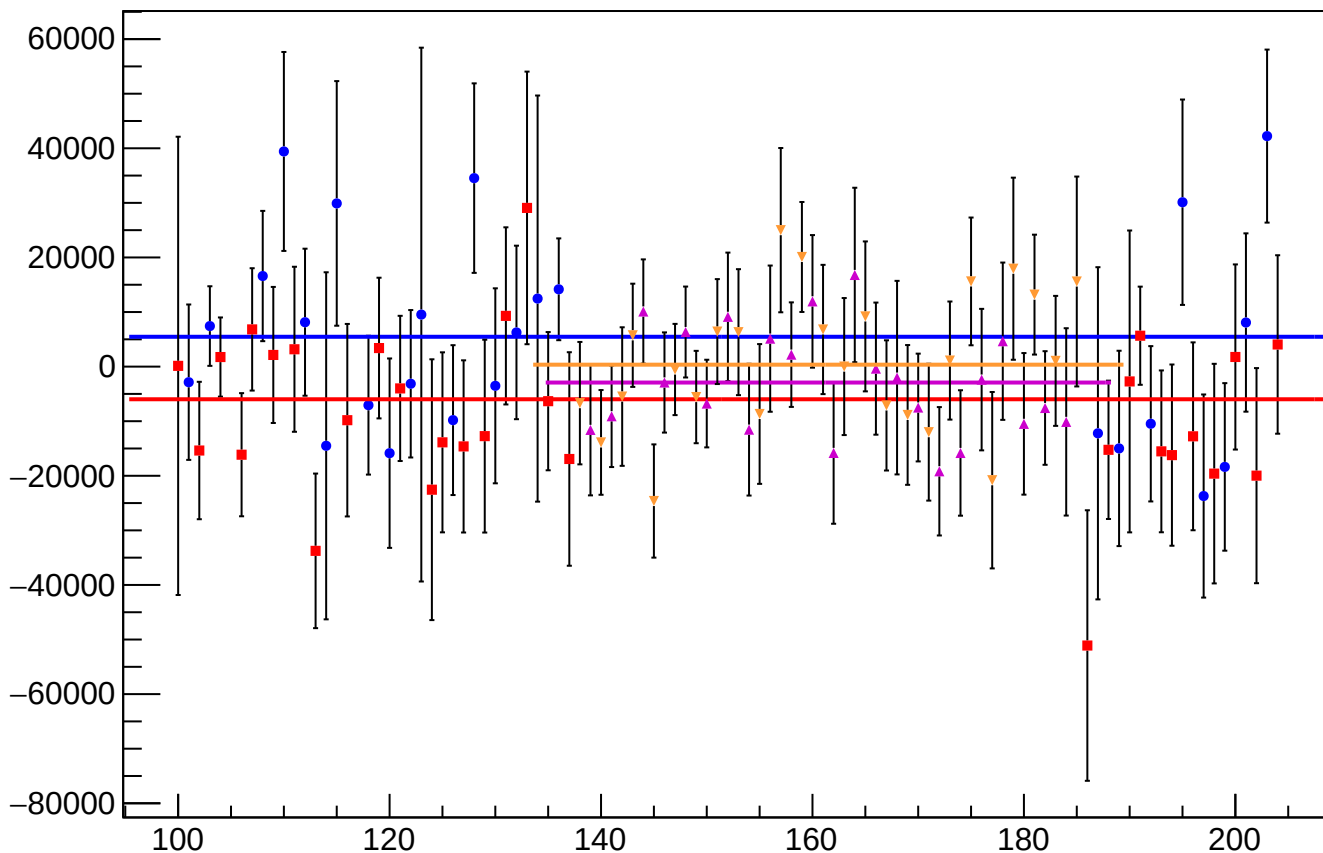
Left In: 9181.254 $\pm$ 1.586 χ^2 /NDF:1236469.7/22

+ sign 9253.024 $\pm$ 1.225 χ^2 /NDF: 3595552.8/49

All: 307.962 $\pm$ 0.136 χ^2 /NDF: 117958537.6/52

- sign 195.525 $\pm$ 0.137 χ^2 /NDF: 60374980.6/52

asym_atr2_mean vs Slug



Right In: 5467.808 $\pm$ 2982.172 χ^2 /NDF: 29.4/24

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

Right Out: -5981.069 $\pm$ 2629.220 χ^2 /NDF: 21.4/29

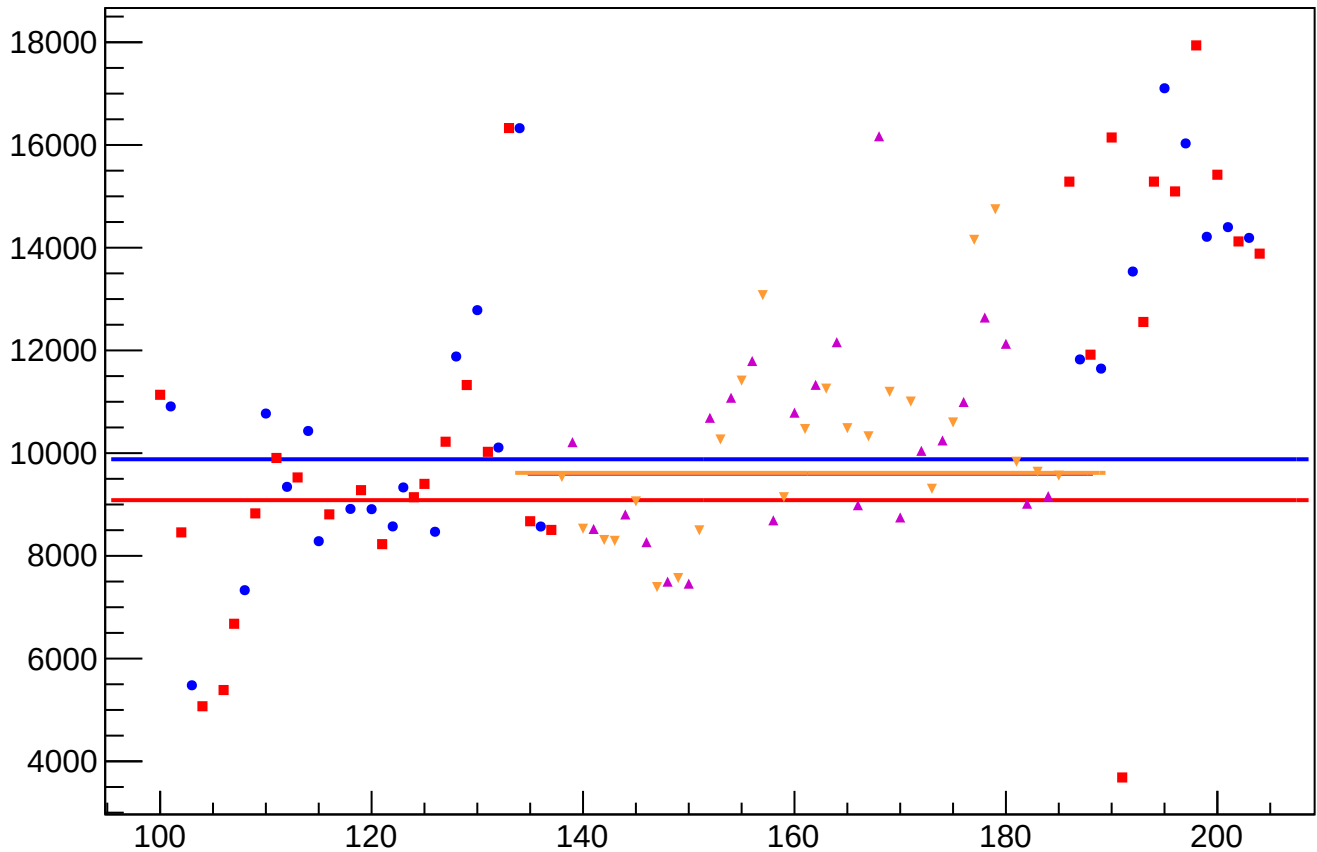
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 2243.307 $\pm$ 1812.121 χ^2 /NDF: 57.5/49

All: -1132.410 $\pm$ 1257.832 χ^2 /NDF: 101.3/10

- sign -4271.063 $\pm$ 1747.333 χ^2 /NDF: 37.1/52

asym_atr2_rms vs Slug



Right In: 9880.702 $\pm$ 2.109 χ^2 /NDF: 2219427.2/24

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

Right Out: 9084.682 $\pm$ 1.859 χ^2 /NDF: 3848763.3/29

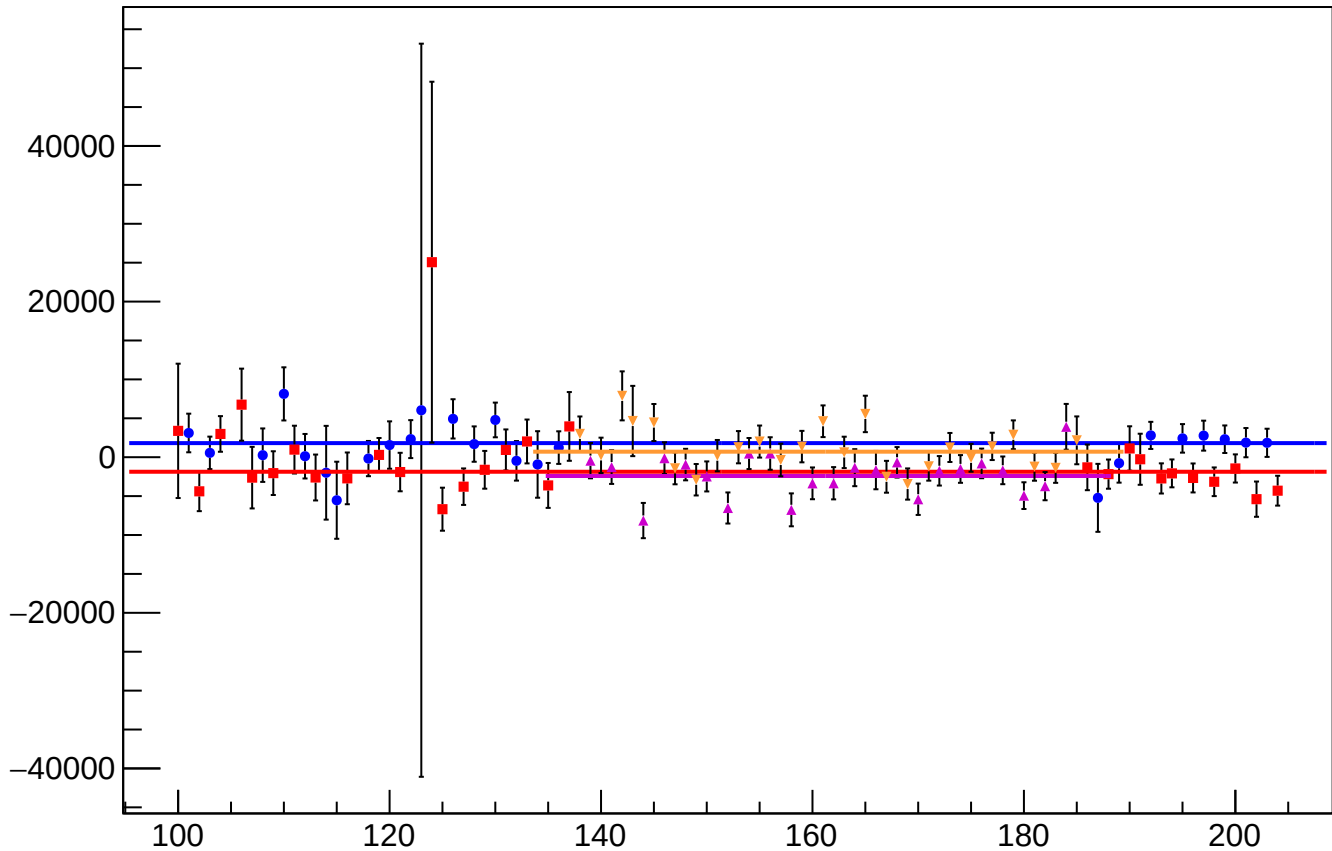
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF: 1082171.6/22

+ sign 9713.893 $\pm$ 1.281 χ^2 /NDF: 3241013.5/49

All: 9536.501 $\pm$ 0.889 χ^2 /NDF: 8251587.0/10

- sign 9371.571 $\pm$ 1.236 χ^2 /NDF: 4973588.5/52

reg_asym_atl_avg_mean vs Slug



Right In: 1811.273 $\pm$ 486.255 χ^2 /NDF: 17.1/24

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

Right Out: -1869.262 $\pm$ 458.523 χ^2 /NDF: 27.9/29

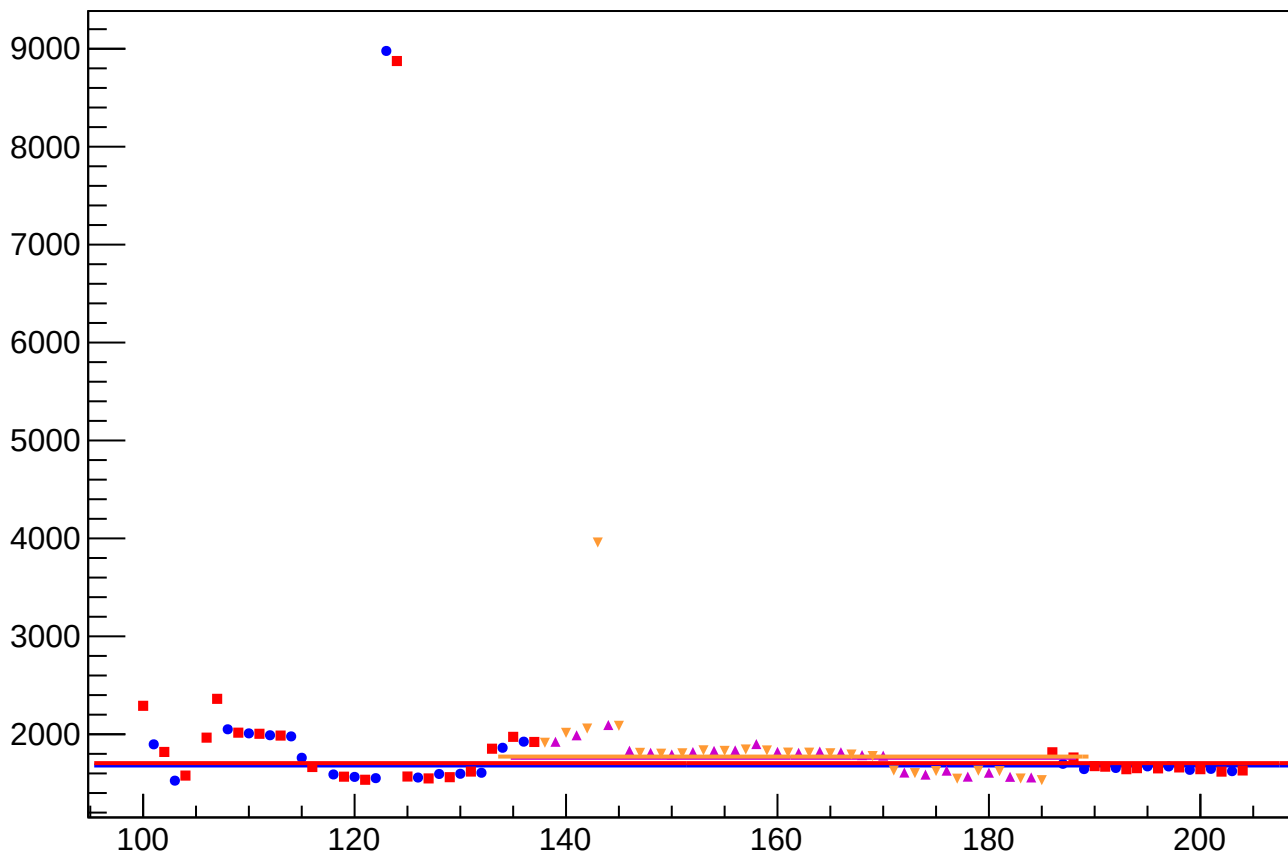
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF:34.0/22

+ sign 1177.019 $\pm$ 316.707 χ^2 /NDF: 54.9/49

All: -523.182 $\pm$ 221.935 χ^2 /NDF: 174.1/102

- sign -2163.650 $\pm$ 311.094 χ^2 /NDF: 62.7/52

reg_asym_atl_avg_rms vs Slug



Right In: 1681.050+/-0.344 χ^2/NDF : 203985.0/24

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

Right Out: 1705.316+/-0.324 χ^2/NDF : 424534.2/29

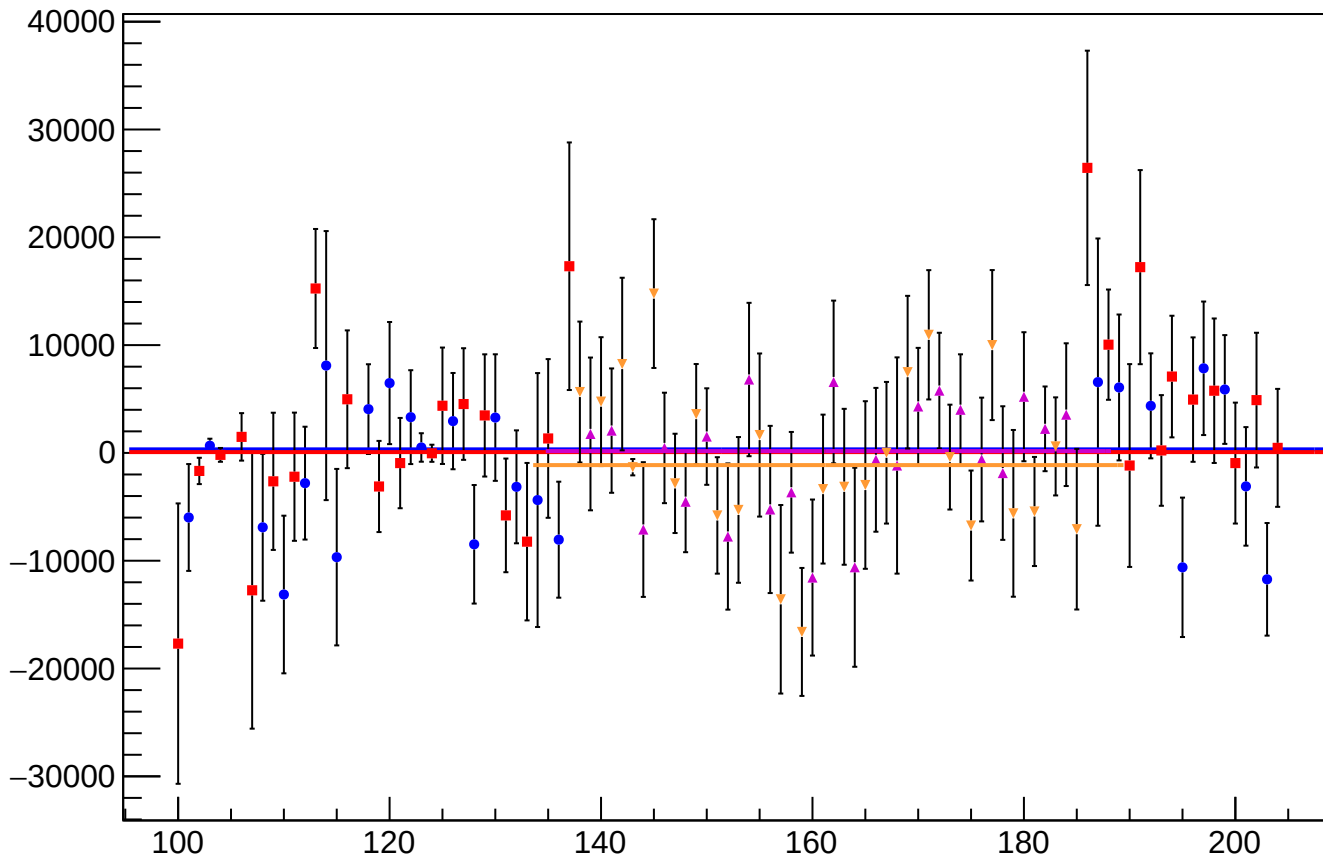
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1733.444+/-0.224 χ^2/NDF : 946784.6/49

All: 1734.010+/-0.157 χ^2/NDF : 1601385.0/100

- sign 1734.555+/-0.220 χ^2/NDF : 654587.9/52

asym_atl_avg_correction_mean vs Slug



Right In: 329.593+/-523.453 χ^2/NDF : 30.2/24

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

Right Out: 76.034+/-422.580 χ^2/NDF : 38.1/29

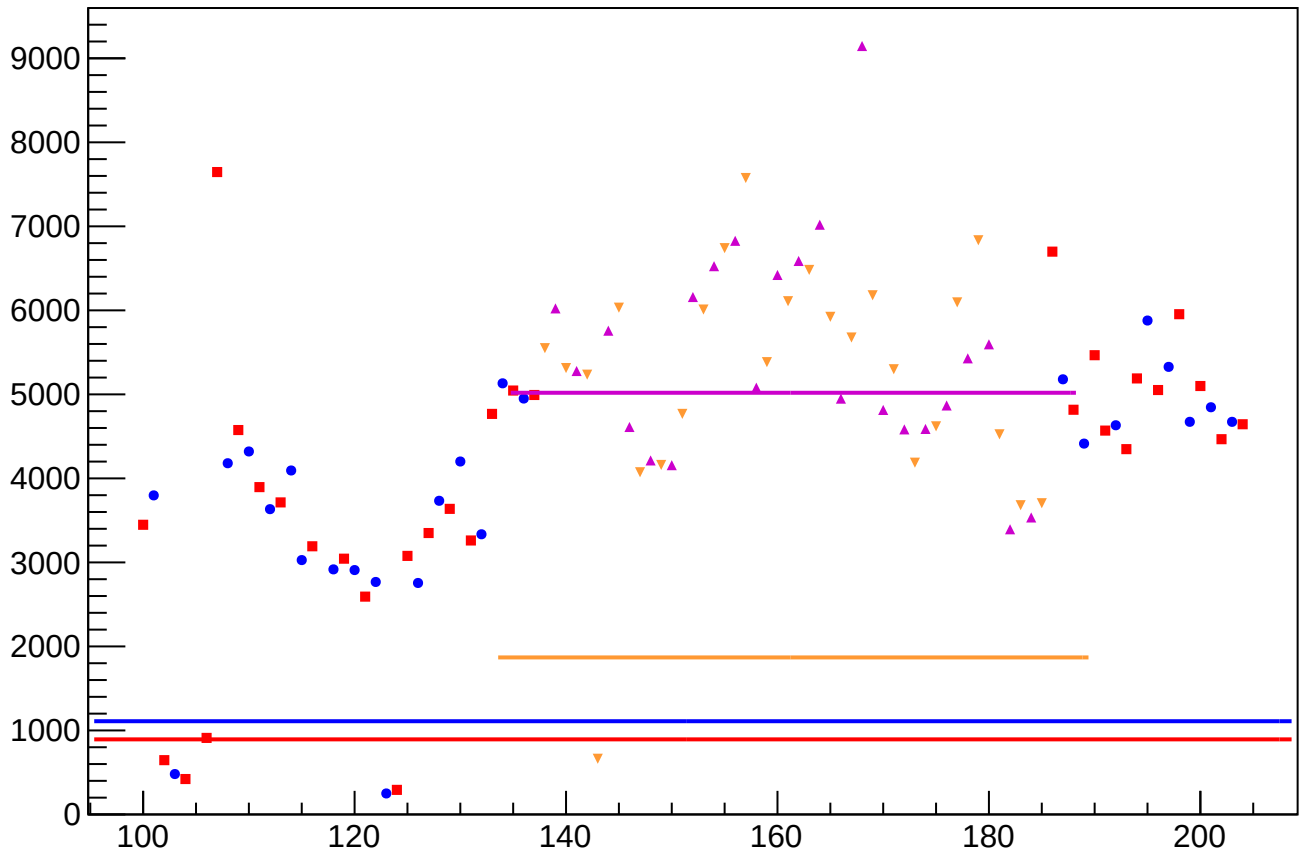
Left In: 168.182+/-1232.411 χ^2/NDF :14.2/22

+ sign -247.111+/-407.095 χ^2/NDF : 64.8/49

All: -77.654+/-285.221 χ^2/NDF : 117.4/102

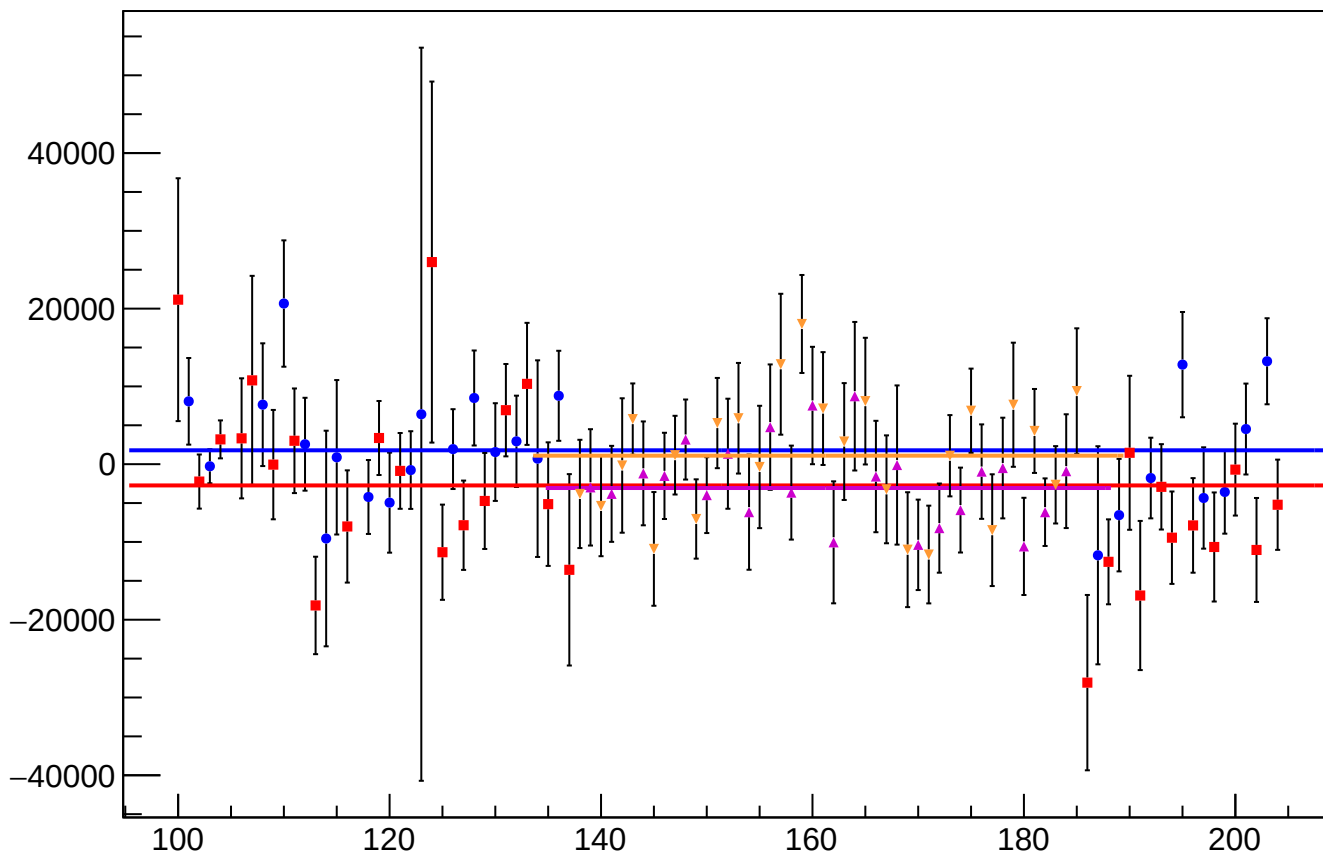
- sign 85.729+/-399.734 χ^2/NDF : 52.3/52

asym_atl_avg_correction_rms vs Slug



Right In: 1109.749+/-0.370	χ^2/NDF : 15139177.4/24	+ sign 1409.772+/-0.288	χ^2/NDF : 36654260.5/49
Left Out: 1868.983+/-0.458	χ^2/NDF : 19852416.6/24	All: 1367.999+/-0.202	χ^2/NDF : 76689051.5/1
Right Out: 893.717+/-0.299	χ^2/NDF : 18371620.8/29	- sign 1327.723+/-0.283	χ^2/NDF : 39993428.4/52
Left In: 5019.114+/-0.871	χ^2/NDF : 1569031.9/22		

asym_atl_avg_mean vs Slug



Right In: 1783.334+/-1129.851 χ^2/NDF : 26.2/24

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

Right Out: -2733.389+/-1081.760 χ^2/NDF : 45.6/29

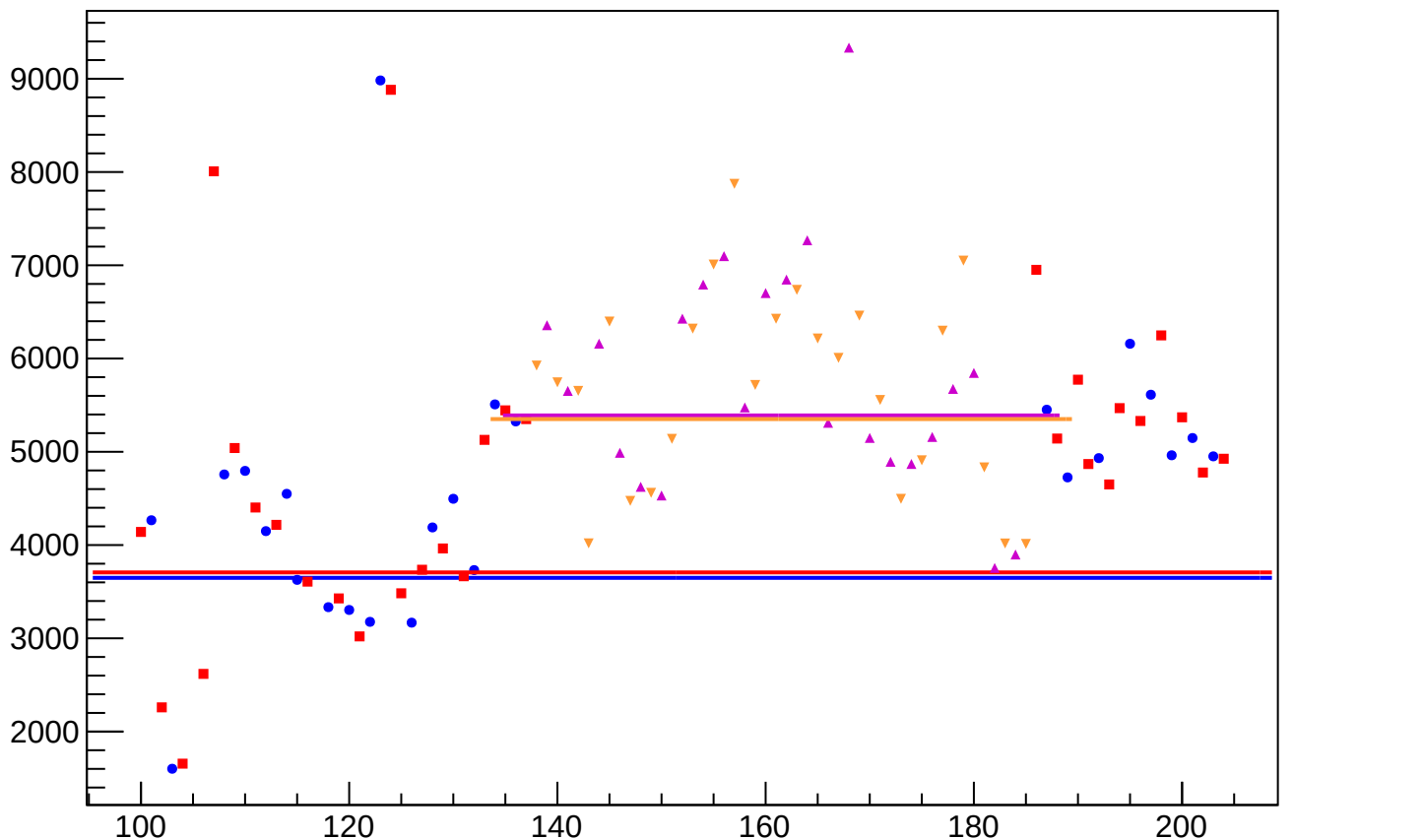
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1479.758+/-845.056 χ^2/NDF : 58.4/49

All: -716.331+/-594.397 χ^2/NDF : 130.0/102

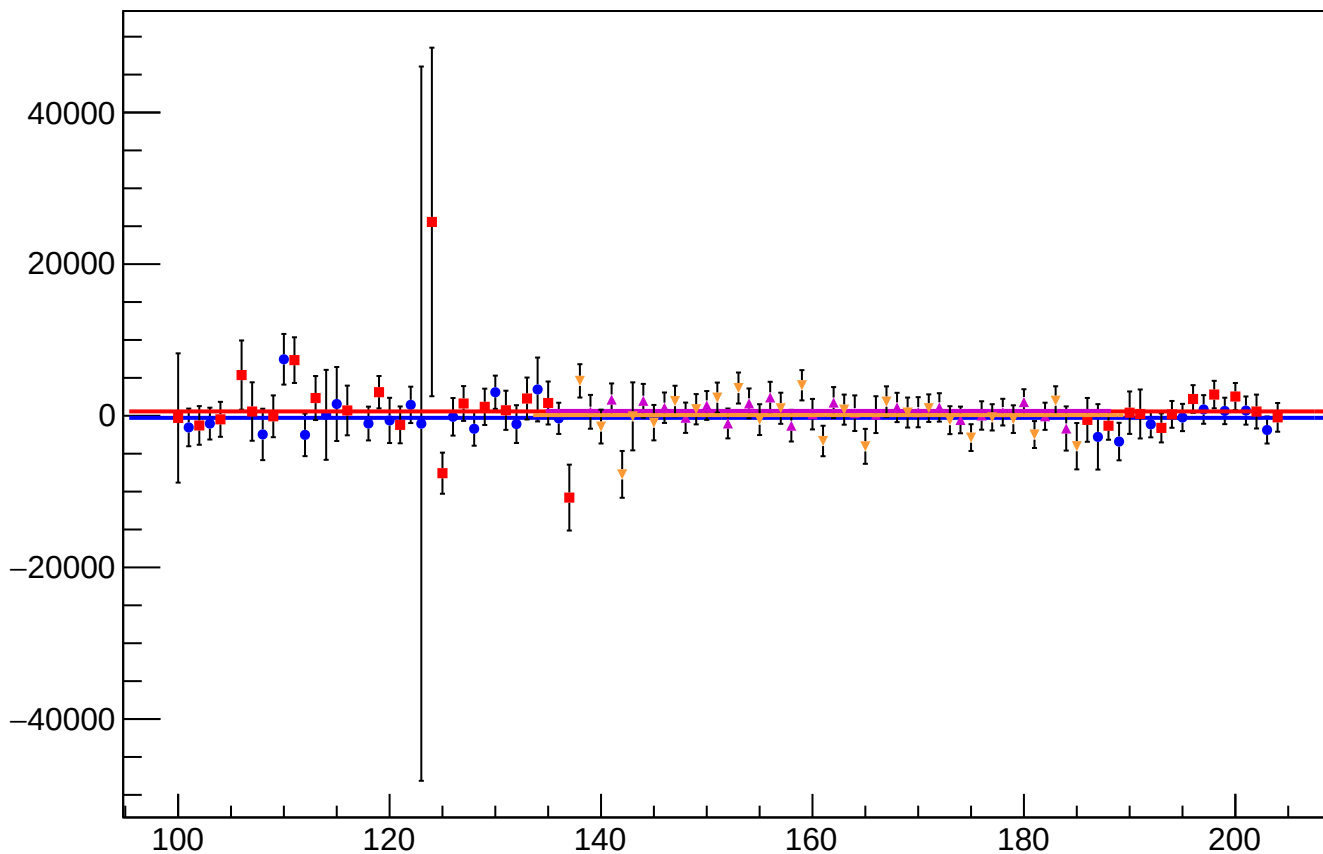
- sign -2866.751+/-836.223 χ^2/NDF : 58.2/52

asym_atl_avg_rms vs Slug



Right In: 3648.499+/-0.799	χ^2/NDF : 3234938.9/24	+ sign 4398.519+/-0.598	χ^2/NDF : 6476763.8/49
Left Out: 5350.804+/-0.900	χ^2/NDF : 1241497.9/24	All: 4386.834+/-0.419	χ^2/NDF : 13614270.7/1
Right Out: 3706.514+/-0.757	χ^2/NDF : 3861980.6/29	- sign 4375.533+/-0.588	χ^2/NDF : 7136754.7/52
Left In: 5389.724+/-0.932	χ^2/NDF : 1309863.0/22		

reg_asym_atl_dd_mean vs Slug



Right In: -273.418+/-479.302 χ^2/NDF : 15.1/24

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

Right Out: 575.726+/-451.880 χ^2/NDF : 33.4/29

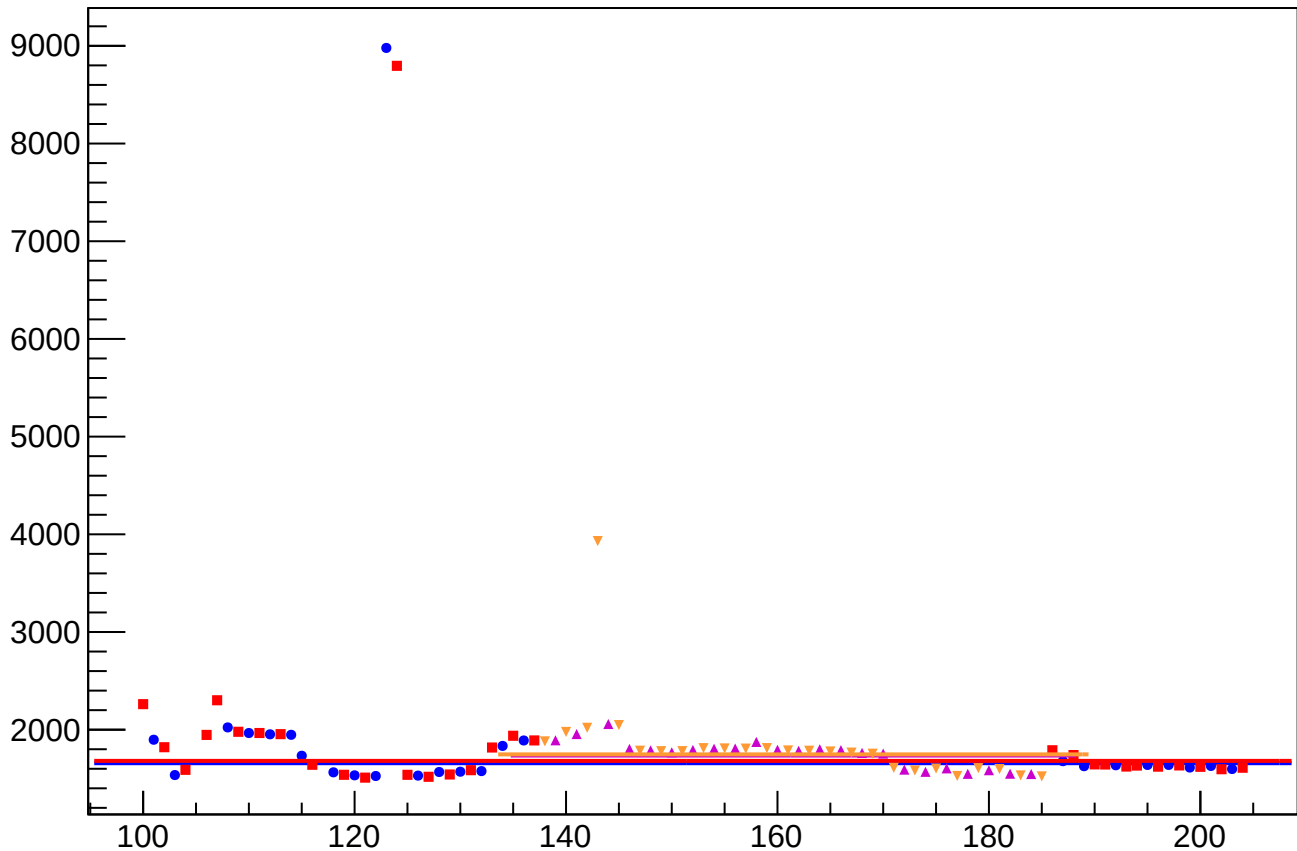
Left In: 640.235+/-417.645 χ^2/NDF : 6.2/22

+ sign -66.399+/-312.232 χ^2/NDF : 51.5/49

All: 278.098+/-218.803 χ^2/NDF : 93.4/102

- sign 610.516+/-306.709 χ^2/NDF : 39.5/52

reg_asym_atl_dd_rms vs Slug



Right In: 1657.047 $\pm$ 0.339 χ^2 /NDF: 202490.1/24

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

Right Out: 1680.874 $\pm$ 0.319 χ^2 /NDF: 420910.9/29

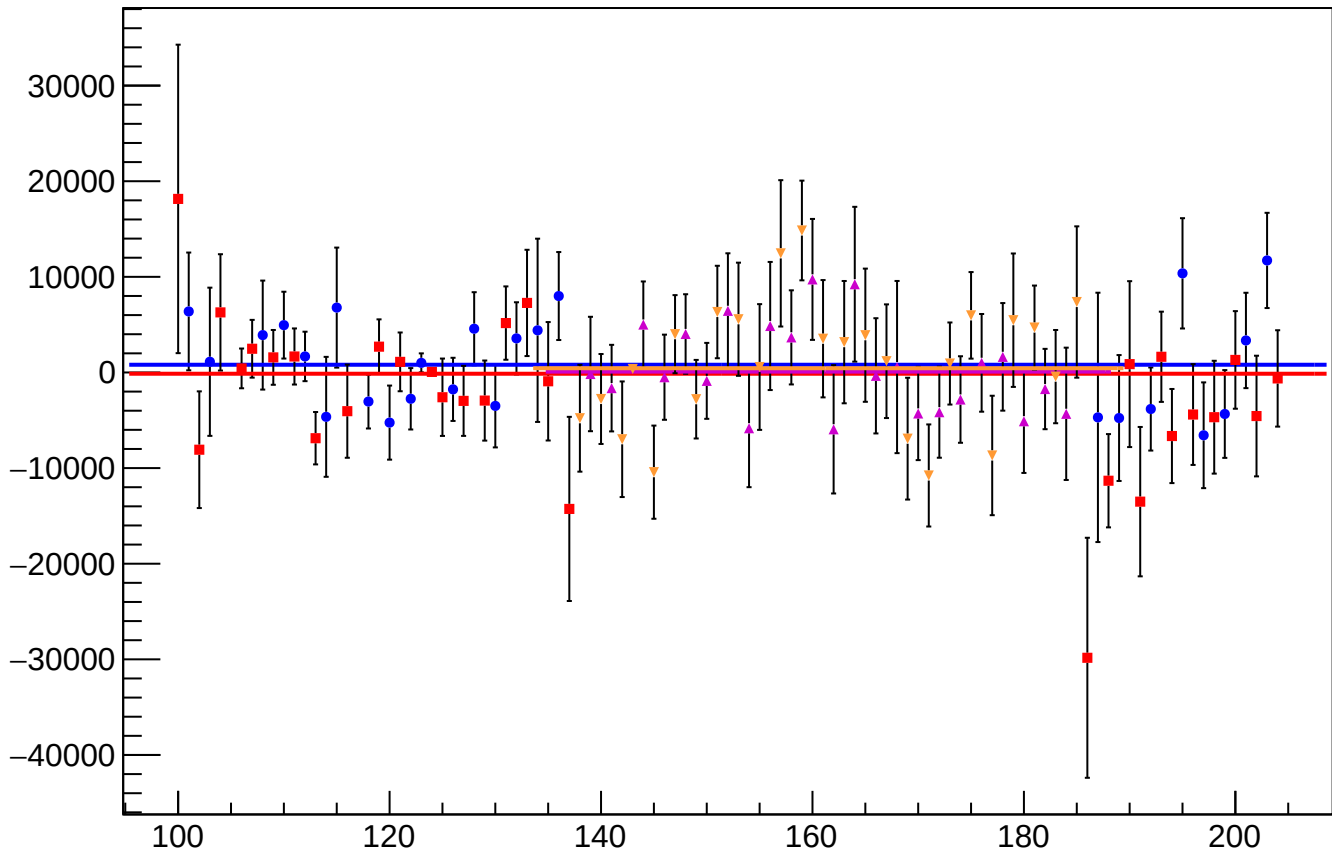
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1709.012 $\pm$ 0.221 χ^2 /NDF: 941522.0/49

All: 1709.669 $\pm$ 0.155 χ^2 /NDF: 1585037.0/10

- sign 1710.301 $\pm$ 0.217 χ^2 /NDF: 643497.6/52

asym_atl_dd_correction_mean vs Slug



Right In: 807.143 $\pm$ 663.105 χ^2 /NDF: 28.4/24

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

Right Out: -132.862 $\pm$ 349.970 χ^2 /NDF: 38.5/29

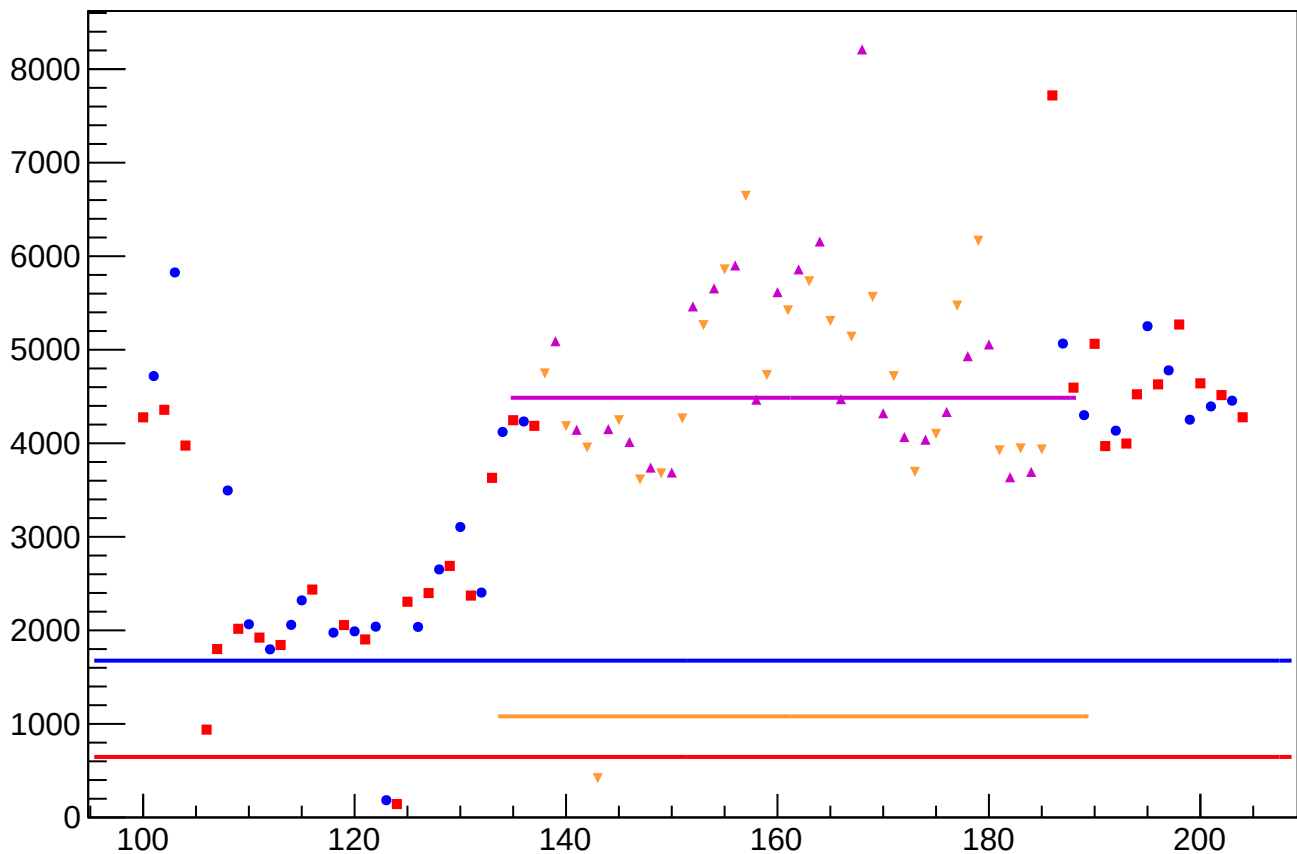
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 553.871 $\pm$ 366.823 χ^2 /NDF: 62.5/49

All: 188.992 $\pm$ 246.702 χ^2 /NDF: 116.4/102

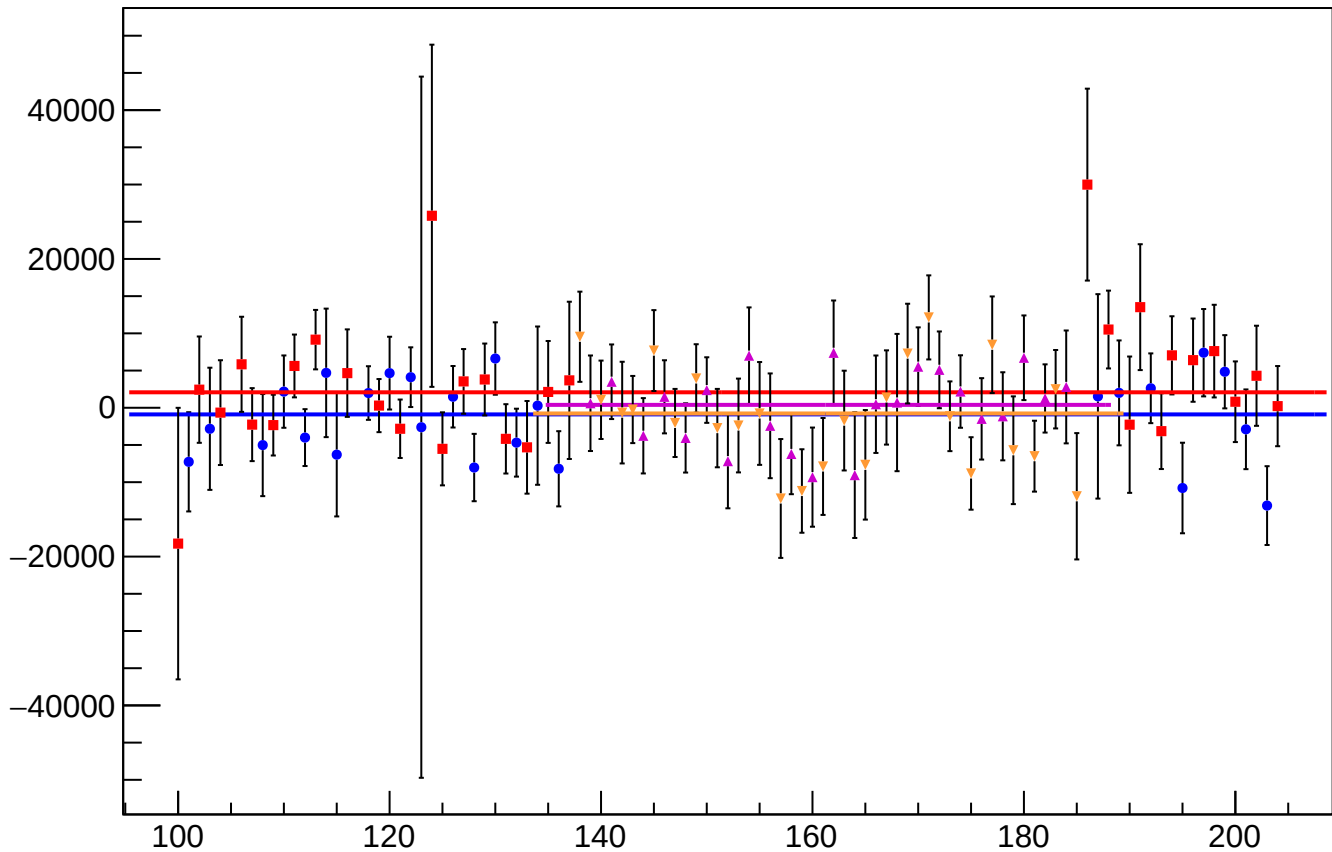
- sign -112.339 $\pm$ 333.353 χ^2 /NDF: 52.0/52

asym_atl_dd_correction_rms vs Slug



Right In: 1676.448 $\pm$ 0.469	χ^2 /NDF: 11430568.2/24	+ sign 1263.221 $\pm$ 0.259	χ^2 /NDF: 37005980.1/49
Left Out: 1081.004 $\pm$ 0.311	χ^2 /NDF: 24456244.2/24	All: 1120.630 $\pm$ 0.174	χ^2 /NDF: 82069051.1/100
Right Out: 646.911 $\pm$ 0.247	χ^2 /NDF: 21011278.5/29	- sign 1002.872 $\pm$ 0.236	χ^2 /NDF: 44511291.2/52
Left In: 4486.570 $\pm$ 0.774	χ^2 /NDF: 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -892.114 ± 1076.357 $\chi^2/\text{NDF}: 27.0/24$

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

Right Out: 2078.385 ± 1003.592 $\chi^2/\text{NDF}: 29.4/29$

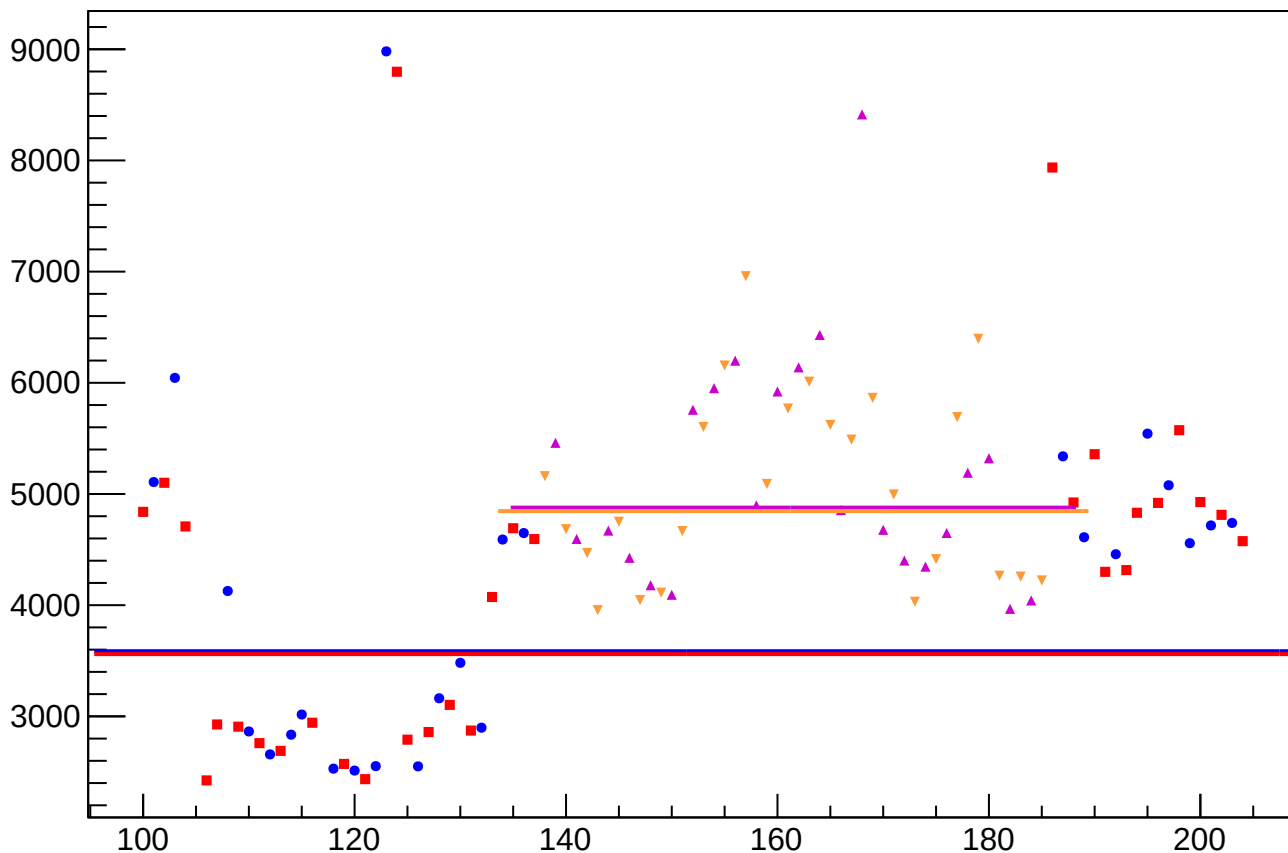
Left In: 388.944 ± 1186.300 $\chi^2/\text{NDF}: 14.2/22$

+ sign -833.084 ± 785.005 $\chi^2/\text{NDF}: 56.9/49$

All: 297.039 ± 548.310 $\chi^2/\text{NDF}: 105.7/102$

- sign 1373.644 ± 766.192 $\chi^2/\text{NDF}: 44.8/52$

asym_atl_dd_rms vs Slug



Right In: 3585.920+/-0.761 χ^2/NDF : 1948041.4/24

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

Right Out: 3559.705+/-0.703 χ^2/NDF : 2425224.9/29

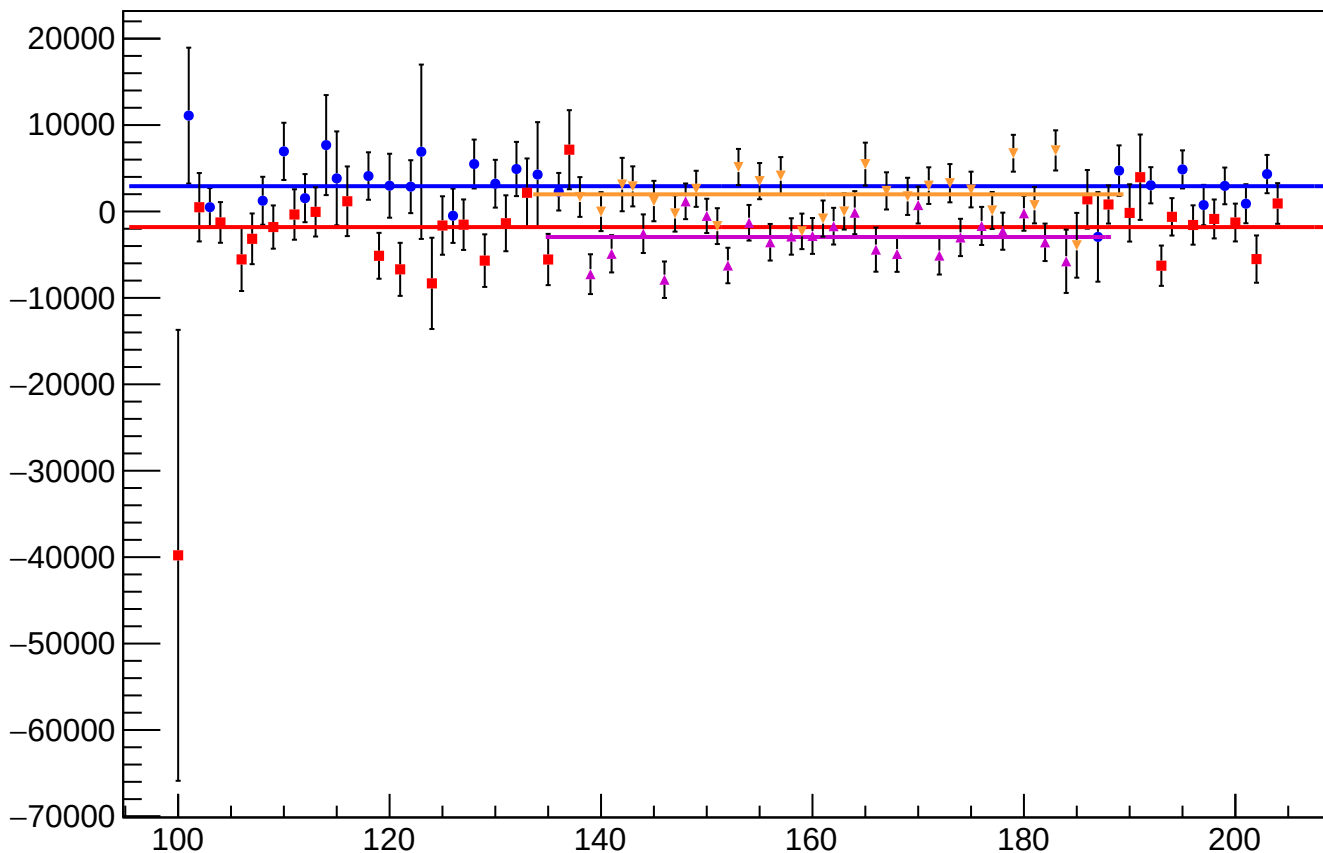
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4175.655+/-0.555 χ^2/NDF : 4139838.0/49

All: 4138.609+/-0.387 χ^2/NDF : 8981400.2/10

- sign 4103.685+/-0.539 χ^2/NDF : 4832909.1/52

reg_asym_atr_avg_mean vs Slug



Right In: 2925.414 ± 572.869 χ^2/NDF : 12.5/24

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

Right Out: -1807.348 ± 530.728 χ^2/NDF : 30.0/29

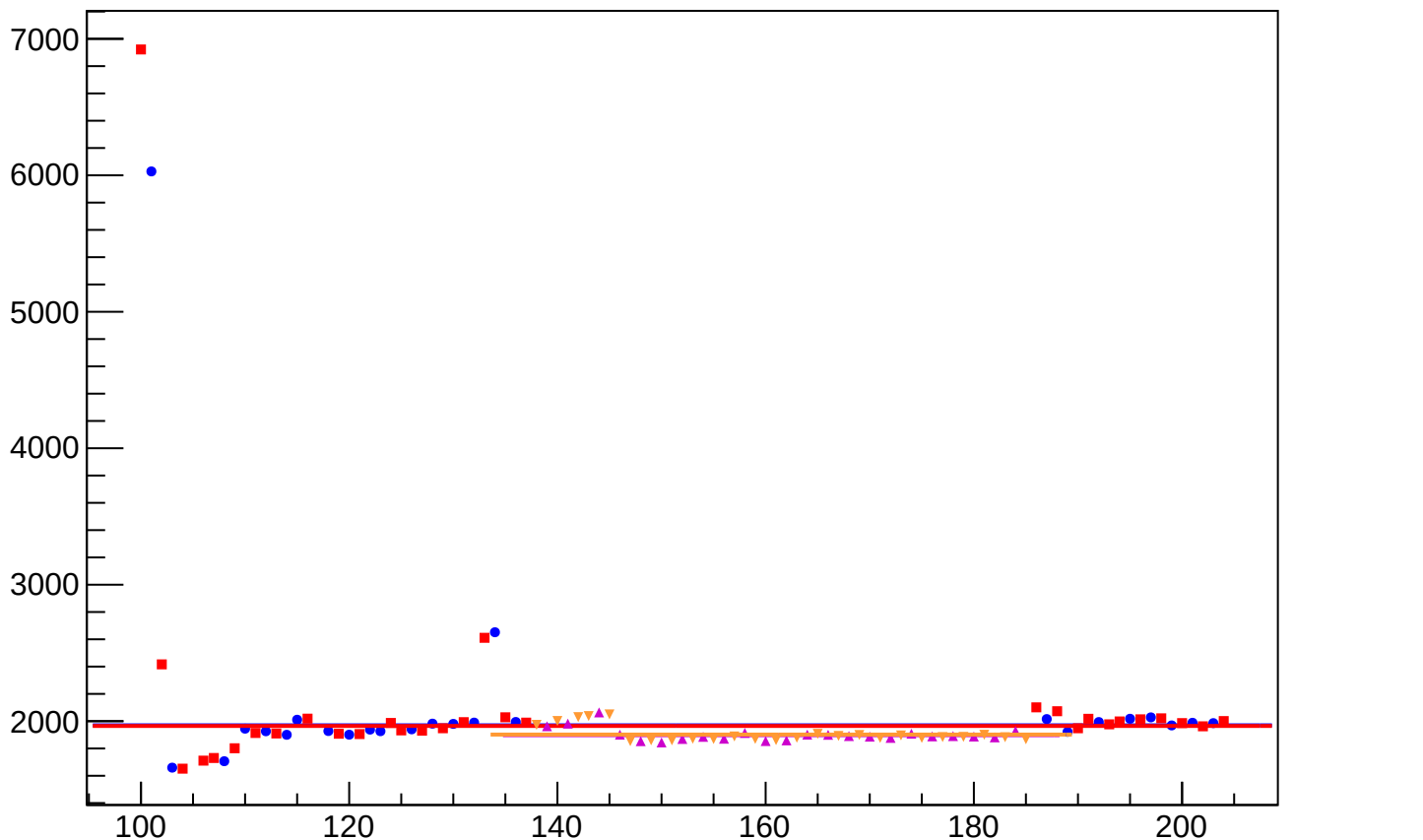
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2337.399 ± 350.536 χ^2/NDF : 46.6/49

All: -102.866 ± 245.971 χ^2/NDF : 203.2/102

- sign -2469.897 ± 345.236 χ^2/NDF : 61.1/52

reg_asym_atr_avg_rms vs Slug



Right In: 1969.638 $\pm$ 0.405 χ^2 /NDF: 621799.8/24

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

Right Out: 1965.008 $\pm$ 0.375 χ^2 /NDF: 235235.0/29

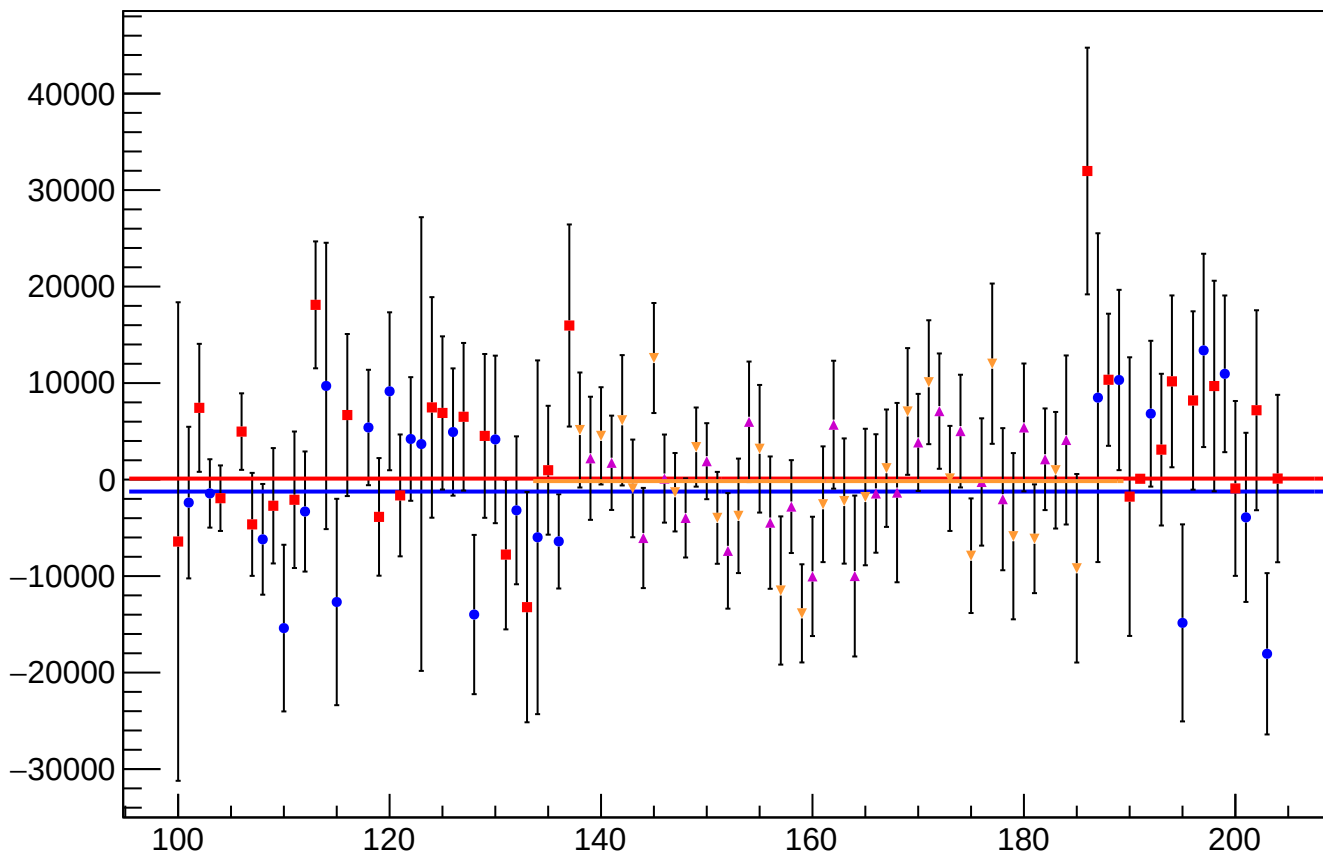
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF: 21180.1/22

+ sign 1927.252 $\pm$ 0.248 χ^2 /NDF: 669748.1/49

All: 1926.657 $\pm$ 0.174 χ^2 /NDF: 944891.5/102

- sign 1926.080 $\pm$ 0.244 χ^2 /NDF: 275132.0/52

asym_atr_avg_correction_mean vs Slug



Right In: -1241.620+/-1482.165 χ^2/NDF : 27.1/24

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

Right Out: 102.884+/-109.570 χ^2/NDF : 31.5/29

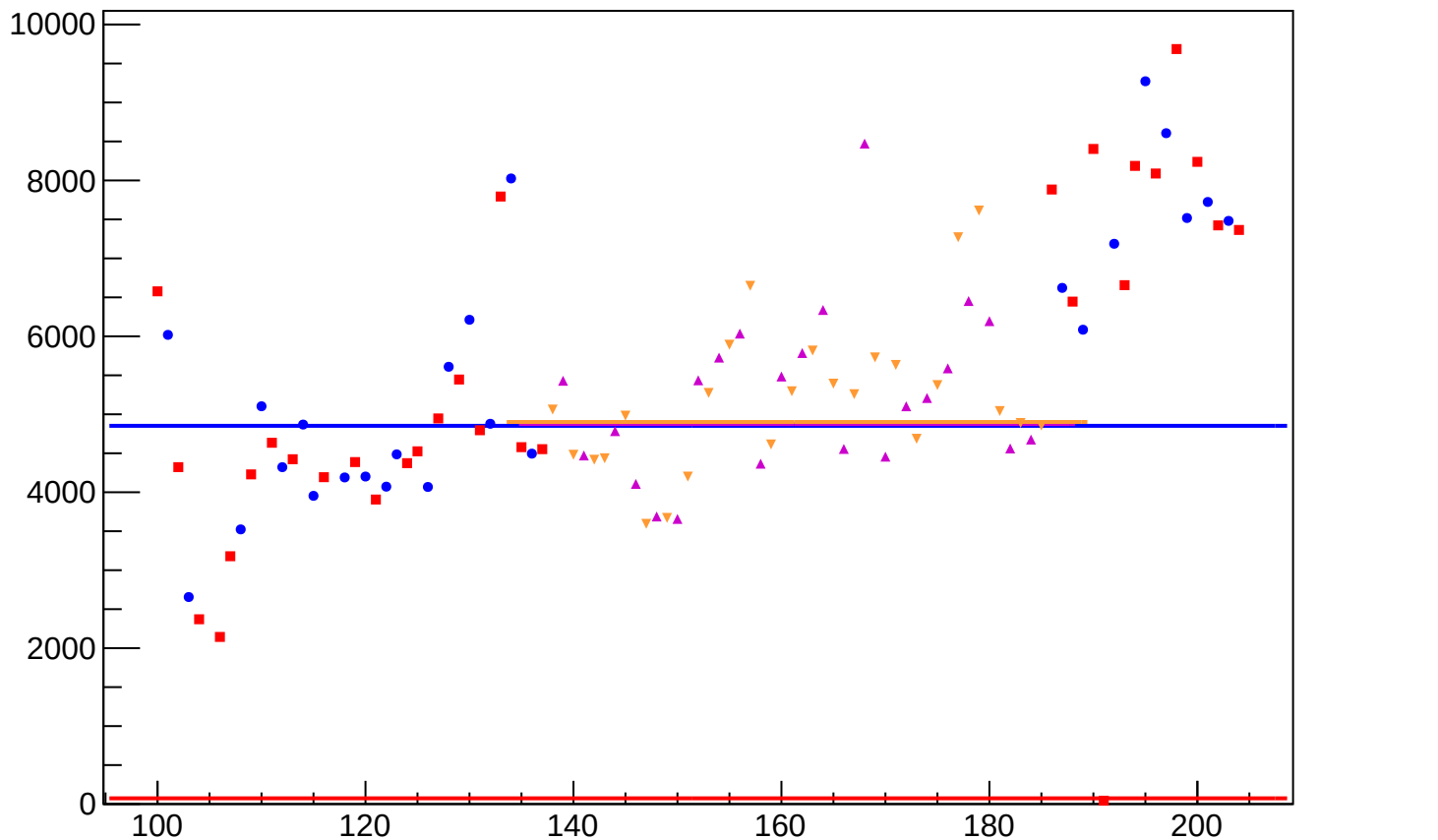
Left In: -139.000+/-1190.889 χ^2/NDF : 14.7/22

+ sign -571.901+/-916.338 χ^2/NDF : 56.9/49

All: 91.448+/-108.343 χ^2/NDF : 103.7/102

- sign 100.853+/-109.109 χ^2/NDF : 46.3/52

asym_atr_avg_correction_rms vs Slug



Right In: 4852.124+/-1.048 χ^2/NDF : 2714167.9/24

Left Out: 4901.357+/-0.824 χ^2/NDF :1136916.0/24

Right Out: 73.494+/-0.077 χ^2/NDF : 26834043.5/29

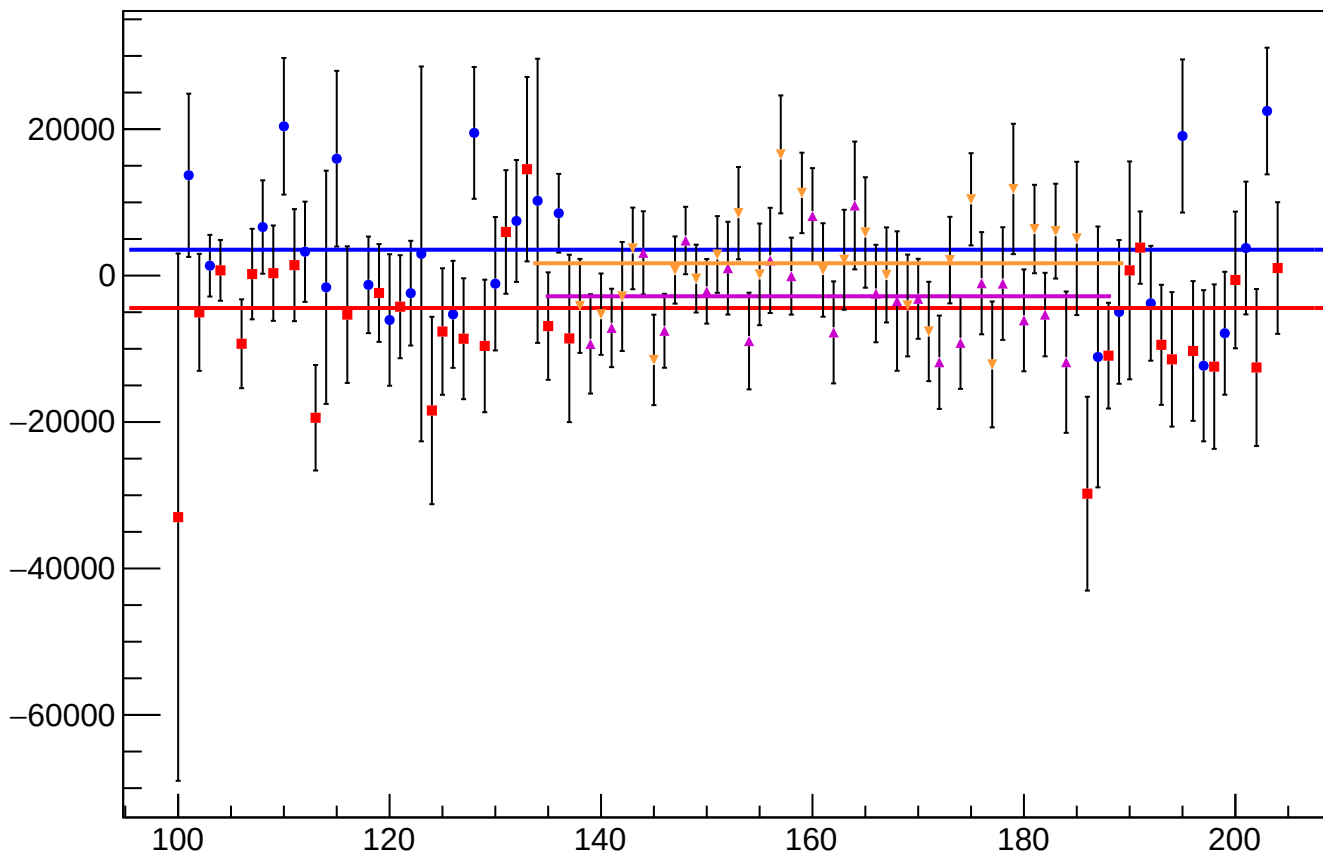
Left In: 4875.112+/-0.842 χ^2/NDF :1229198.0/22

+ sign 4882.539+/-0.648 χ^2/NDF : 3852447.2/49

All: 180.464+/-0.077 χ^2/NDF : 117564777.2/1

- sign 113.800+/-0.077 χ^2/NDF : 60303720.3/52

asym_atr_avg_mean vs Slug



Right In: 3533.178+/-1639.320 χ^2/NDF : 27.7/24

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

Right Out: -4428.493+/-1438.453 χ^2/NDF : 25.2/29

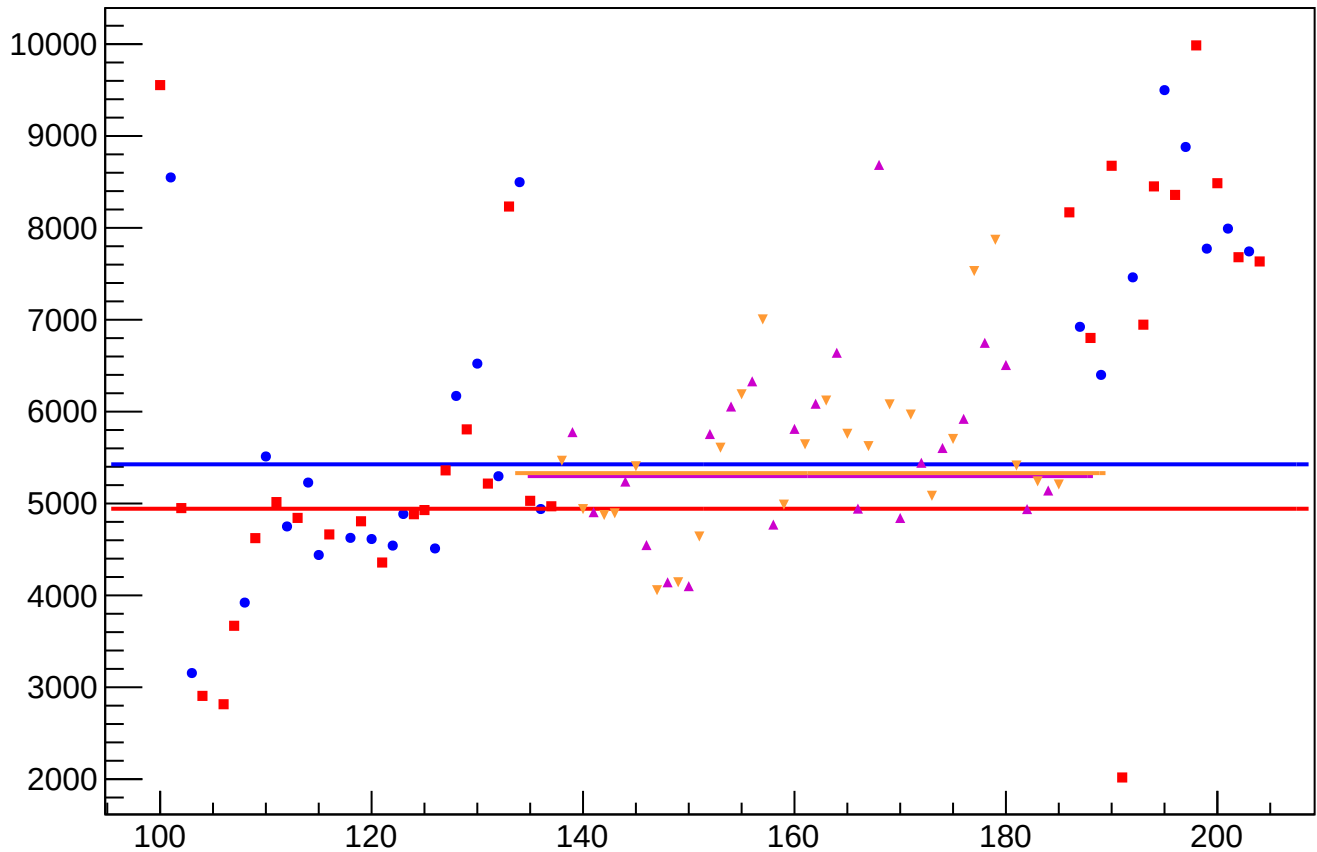
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2373.452+/-999.827 χ^2/NDF : 53.9/49

All: -703.350+/-692.370 χ^2/NDF : 116.0/102

- sign -3538.274+/-959.723 χ^2/NDF : 43.9/52

asym_atr_avg_rms vs Slug



Right In: 5426.469+/-1.159 χ^2/NDF : 2258571.0/24

Left Out: 5330.725+/-0.892 χ^2/NDF : 868061.7/24

Right Out: 4943.037+/-1.013 χ^2/NDF : 3811068.9/29

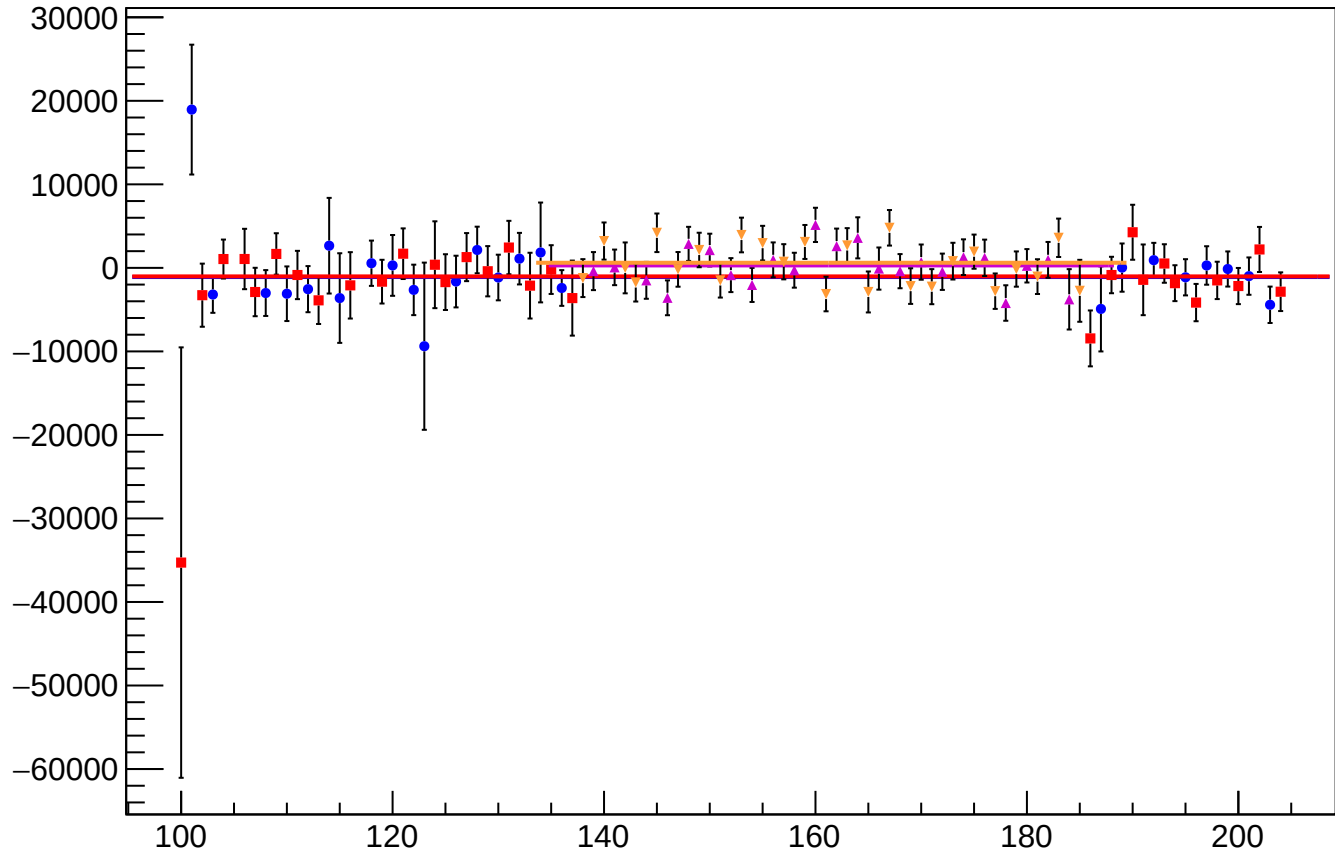
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5366.340+/-0.707 χ^2/NDF : 3130917.1/49

All: 5248.057+/-0.489 χ^2/NDF : 8019700.6/10

- sign 5139.465+/-0.677 χ^2/NDF : 4835094.1/52

reg_asym_atr_dd_mean vs Slug



Right In: -1097.167 ± 565.440 χ^2/NDF : 17.9/24

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

Right Out: -1020.991 ± 523.149 χ^2/NDF : 21.7/29

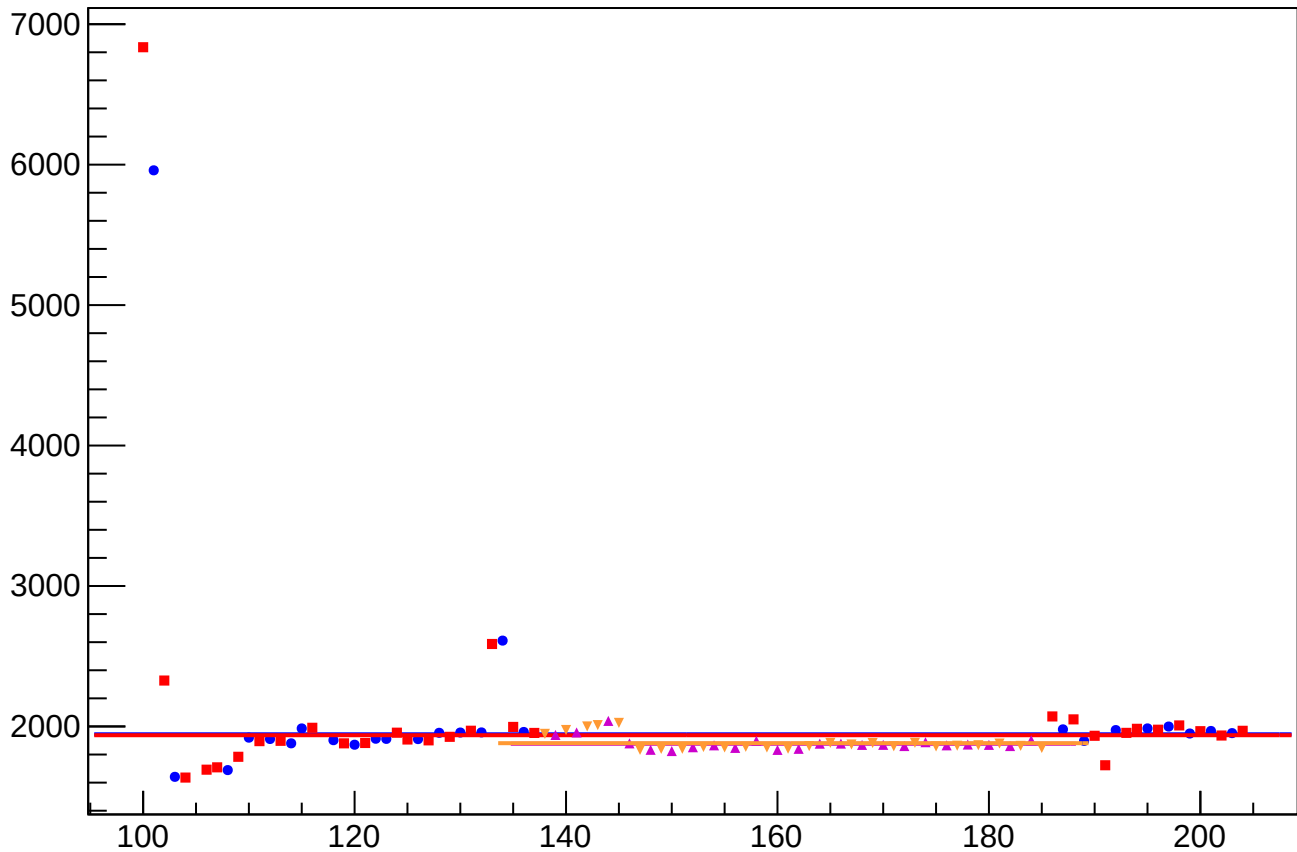
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign -29.247 ± 346.396 χ^2/NDF : 56.3/49

All: -149.071 ± 242.997 χ^2/NDF : 105.5/102

- sign -265.170 ± 340.969 χ^2/NDF : 49.0/52

reg_asym_atr_dd_rms vs Slug



Right In: 1944.186 $\pm$ 0.400 χ^2 /NDF: 620136.6/24

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1937.495 $\pm$ 0.369 χ^2 /NDF: 234164.3/29

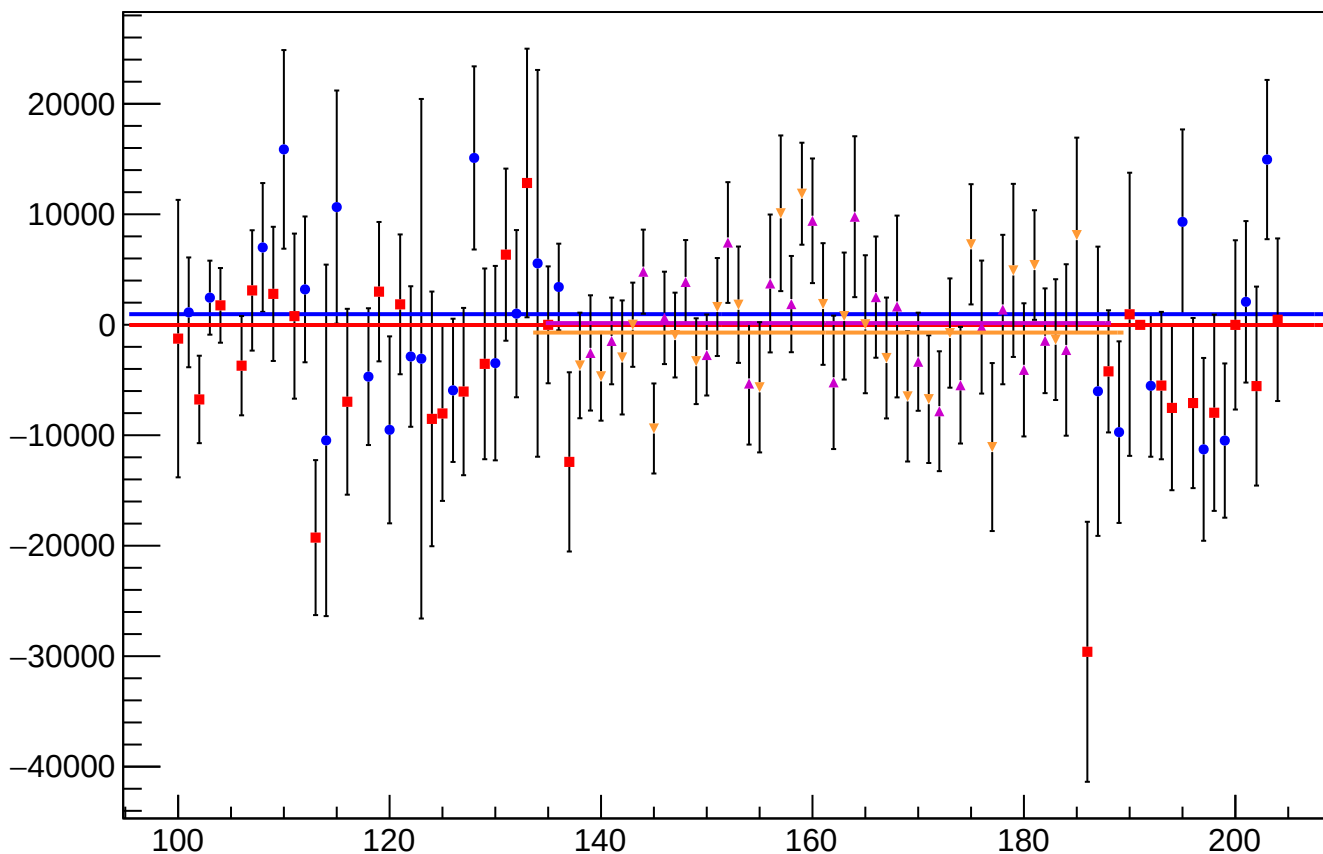
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1904.594 $\pm$ 0.245 χ^2 /NDF: 664488.7/49

All: 1903.556 $\pm$ 0.172 χ^2 /NDF: 934752.5/102

- sign 1902.551 $\pm$ 0.241 χ^2 /NDF: 270228.5/52

asym_atr_dd_correction_mean vs Slug



Right In: 958.492 $\pm$ 1356.807 χ^2 /NDF: 25.7/24

Left Out: -707.785 $\pm$ 1017.719 χ^2 /NDF:27.1/24

Right Out: -22.836 $\pm$ 85.804 χ^2 /NDF: 30.1/29

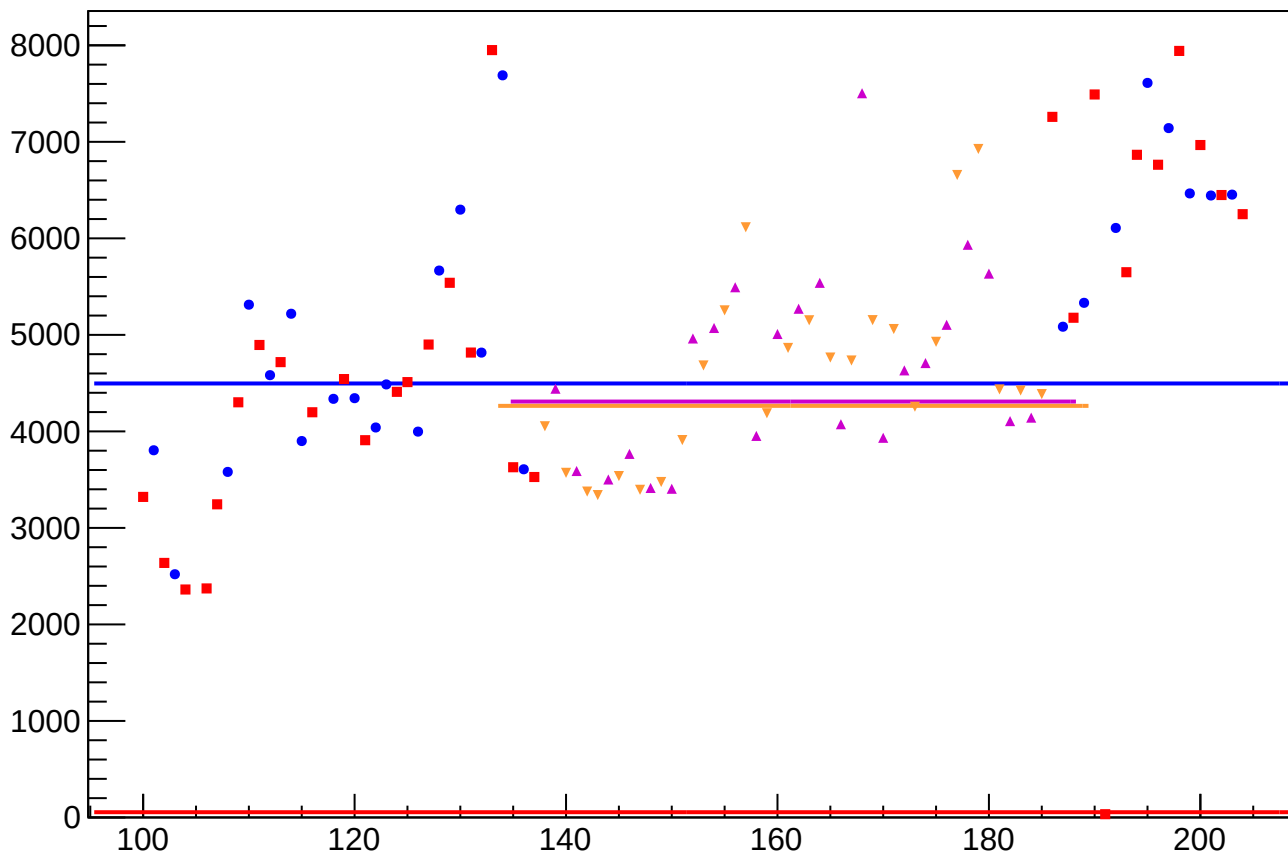
Left In: 150.495 $\pm$ 1053.655 χ^2 /NDF:16.9/22

+ sign -107.840 $\pm$ 814.142 χ^2 /NDF: 53.8/49

All: -22.634 $\pm$ 85.053 χ^2 /NDF: 100.7/102

- sign -21.694 $\pm$ 85.521 χ^2 /NDF: 47.0/52

asym_atr_dd_correction_rms vs Slug



Right In: 4496.451+/-0.959 χ^2/NDF : 2213054.3/24

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 54.331+/-0.061 χ^2/NDF : 26977567.1/29

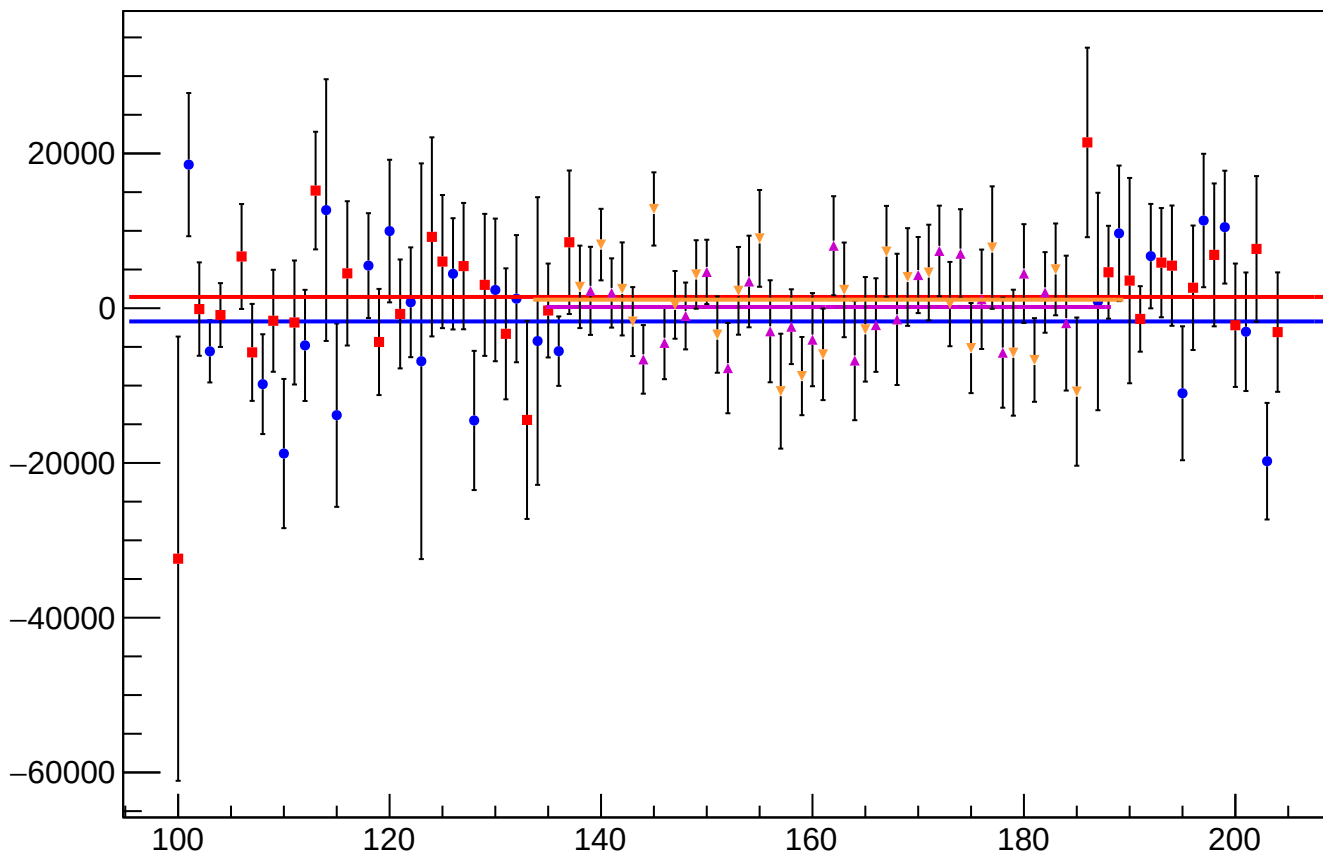
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4347.971+/-0.576 χ^2/NDF : 3605382.0/49

All: 128.915+/-0.060 χ^2/NDF : 118588030.9/100

- sign 82.361+/-0.060 χ^2/NDF : 60679405.8/52

asym_atr_dd_mean vs Slug



Right In: -1708.866 ± 1535.005 χ^2/NDF : 34.4/24

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1455.058 ± 1345.631 χ^2/NDF : 17.1/29

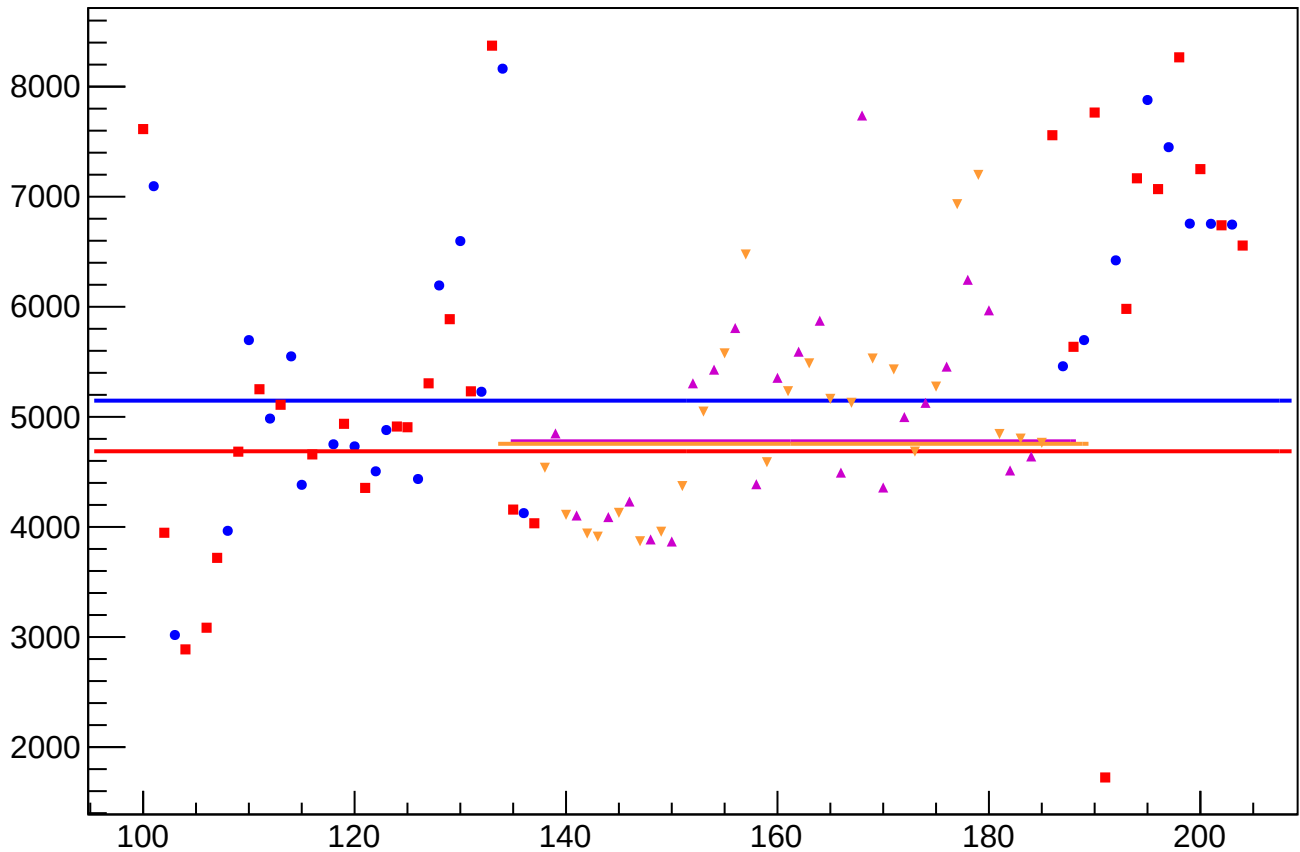
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 118.015 ± 908.267 χ^2/NDF : 65.1/49

All: 424.735 ± 631.736 χ^2/NDF : 98.6/102

- sign 712.176 ± 879.259 χ^2/NDF : 33.2/52

asym_atr_dd_rms vs Slug



Right In: 5147.364+/-1.085 χ^2/NDF : 1711136.1/24

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

Right Out: 4687.456+/-0.948 χ^2/NDF : 3294299.5/29

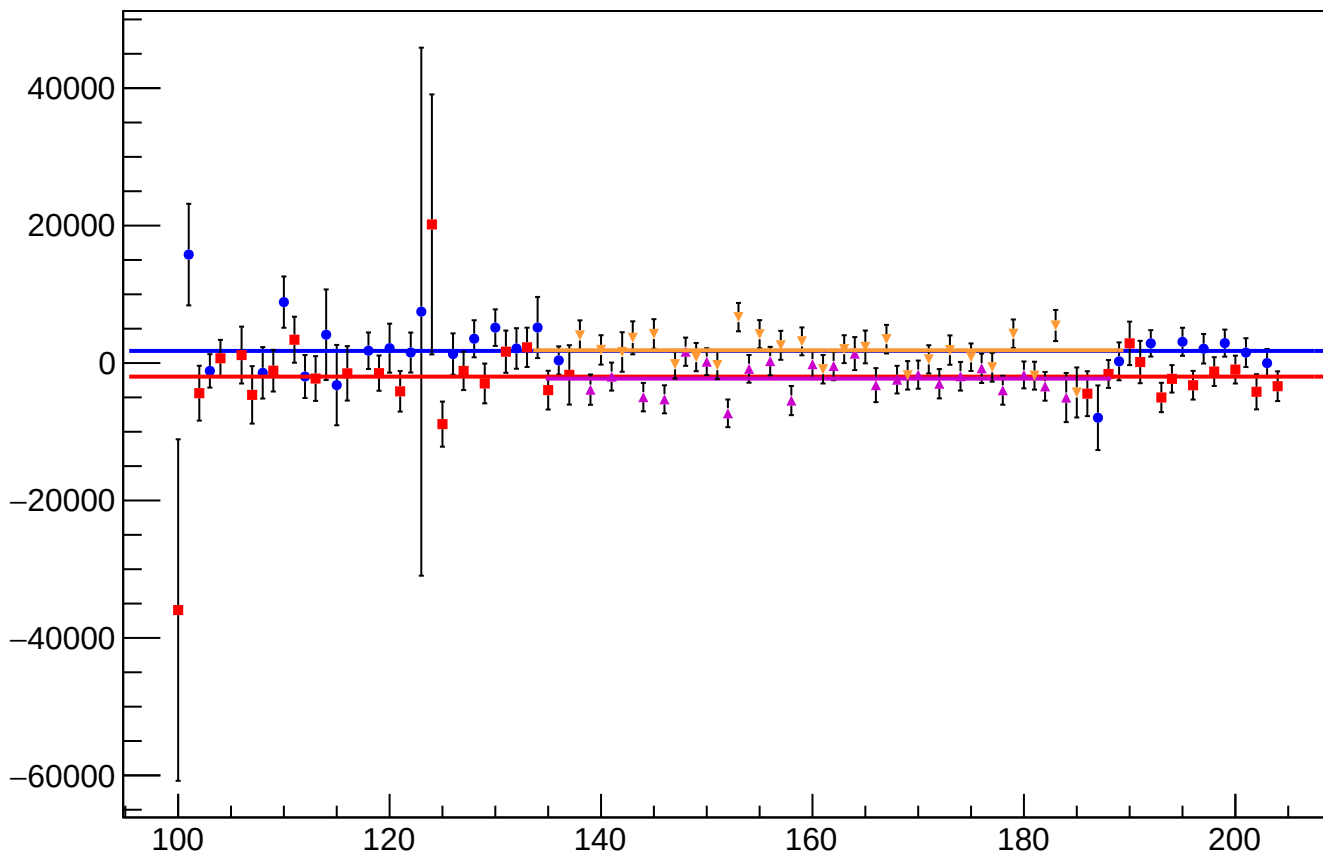
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4892.621+/-0.642 χ^2/NDF : 2749221.9/49

All: 4813.248+/-0.446 χ^2/NDF : 7028547.4/10

- sign 4739.089+/-0.621 χ^2/NDF : 4249781.3/52

reg_asym_at1_avg_mean vs Slug



Right In: 1764.757 ± 554.880 χ^2/NDF : 21.3/24

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

Right Out: -1975.489 ± 514.766 χ^2/NDF : 24.9/29

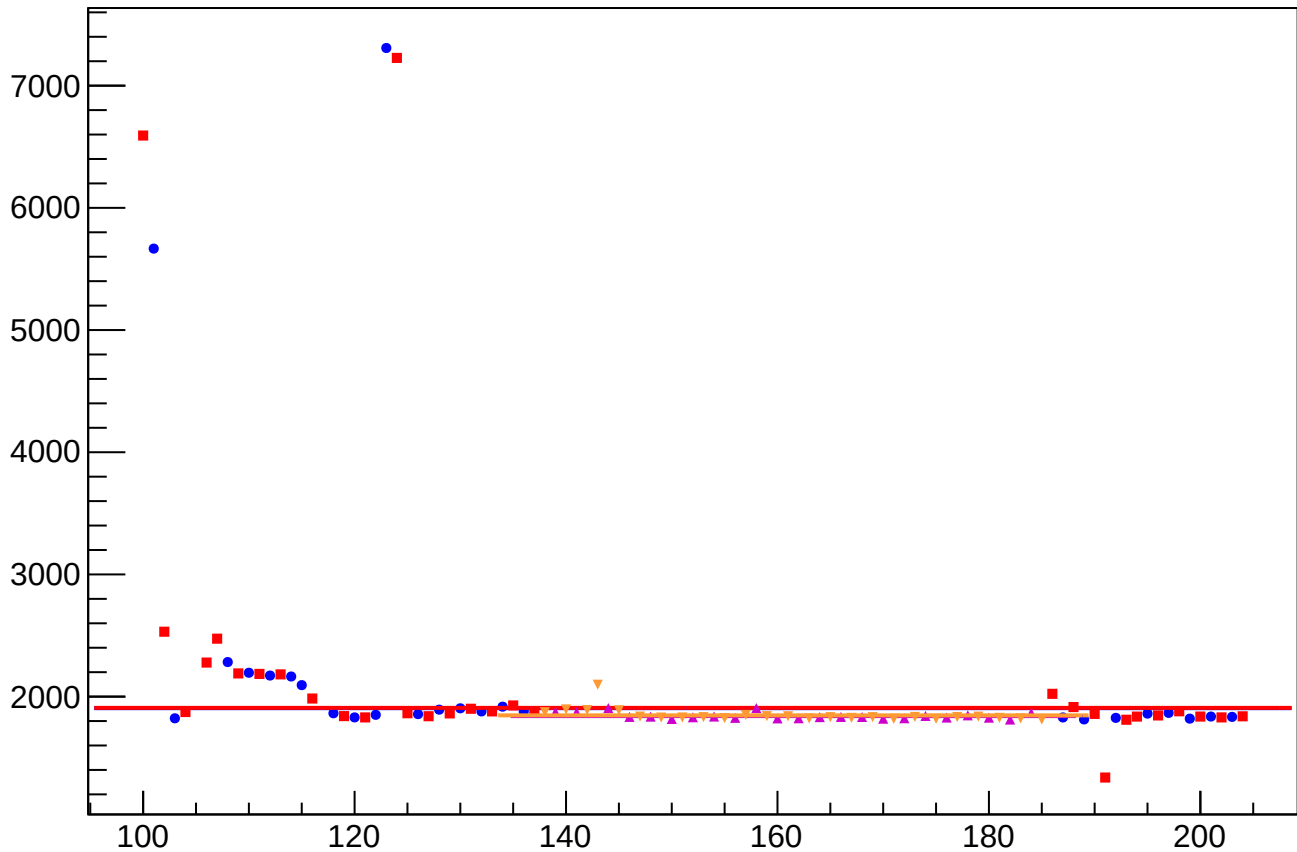
Left In: -2268.464 ± 441.710 χ^2/NDF : 26.9/22

+ sign 1822.023 ± 340.370 χ^2/NDF : 51.3/49

All: -191.353 ± 238.835 χ^2/NDF : 172.2/102

- sign -2144.224 ± 335.216 χ^2/NDF : 52.0/52

reg_asym_at1_avg_rms vs Slug



Right In: 1905.428+/-0.392 χ^2/NDF : 631113.6/24

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

Right Out: 1907.894+/-0.364 χ^2/NDF : 468938.0/29

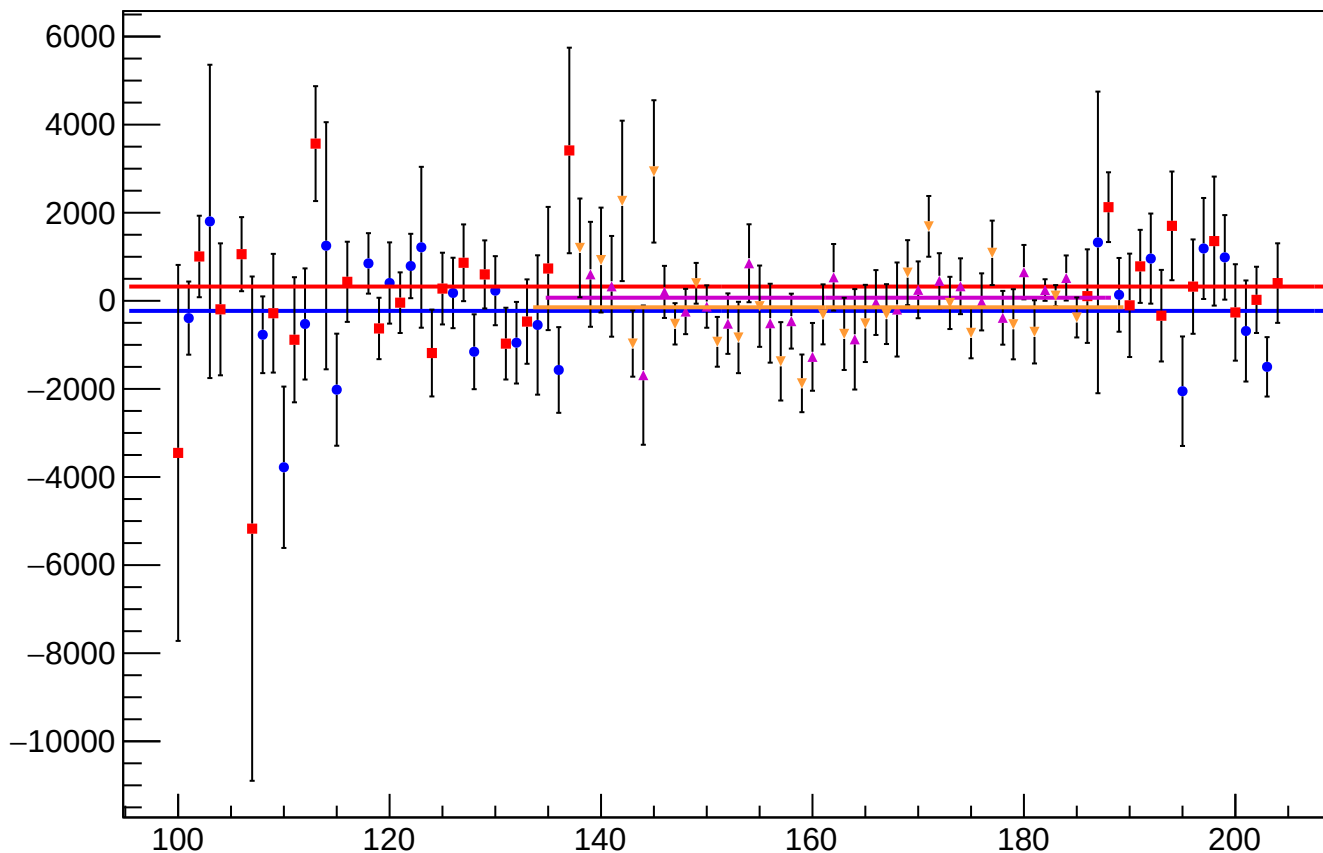
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1868.737+/-0.241 χ^2/NDF : 672437.1/49

All: 1868.923+/-0.169 χ^2/NDF : 1167835.6/100

- sign 1869.103+/-0.237 χ^2/NDF : 495397.3/52

asym_at1_avg_correction_mean vs Slug



Right In: -228.617 ± 199.577 χ^2/NDF : 27.4/24

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

Right Out: 323.855 ± 181.508 χ^2/NDF : 28.6/29

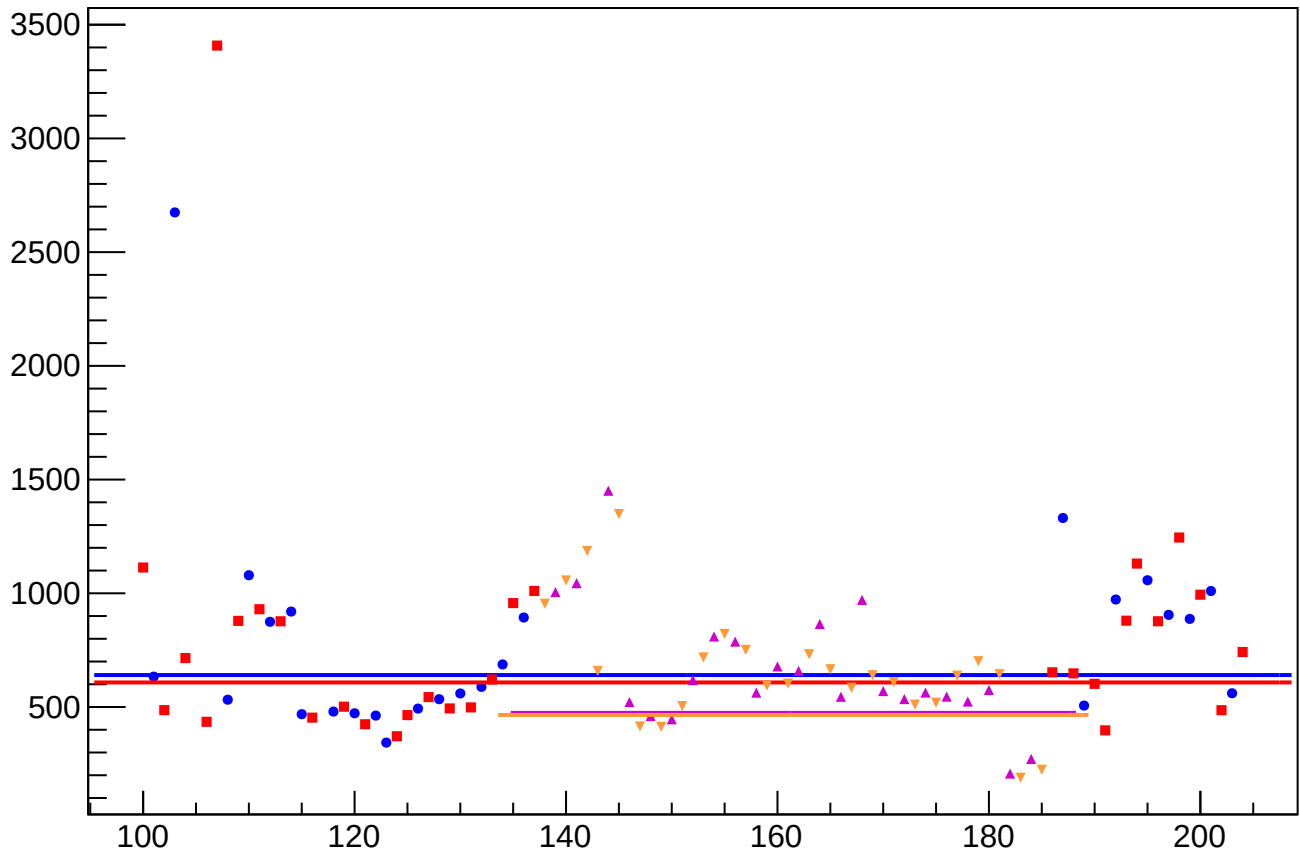
Left In: 70.340 ± 126.373 χ^2/NDF : 12.3/22

+ sign -169.197 ± 104.082 χ^2/NDF : 65.2/49

All: -7.470 ± 73.466 χ^2/NDF : 112.2/102

- sign 153.109 ± 103.712 χ^2/NDF : 42.2/52

asym_at1_avg_correction_rms vs Slug



Right In: 640.467 $\pm$ 0.141 χ^2 /NDF: 2580425.3/24

Left Out: 465.080 $\pm$ 0.086 χ^2 /NDF: 7086137.6/24

Right Out: 608.027 $\pm$ 0.128 χ^2 /NDF: 3087603.4/29

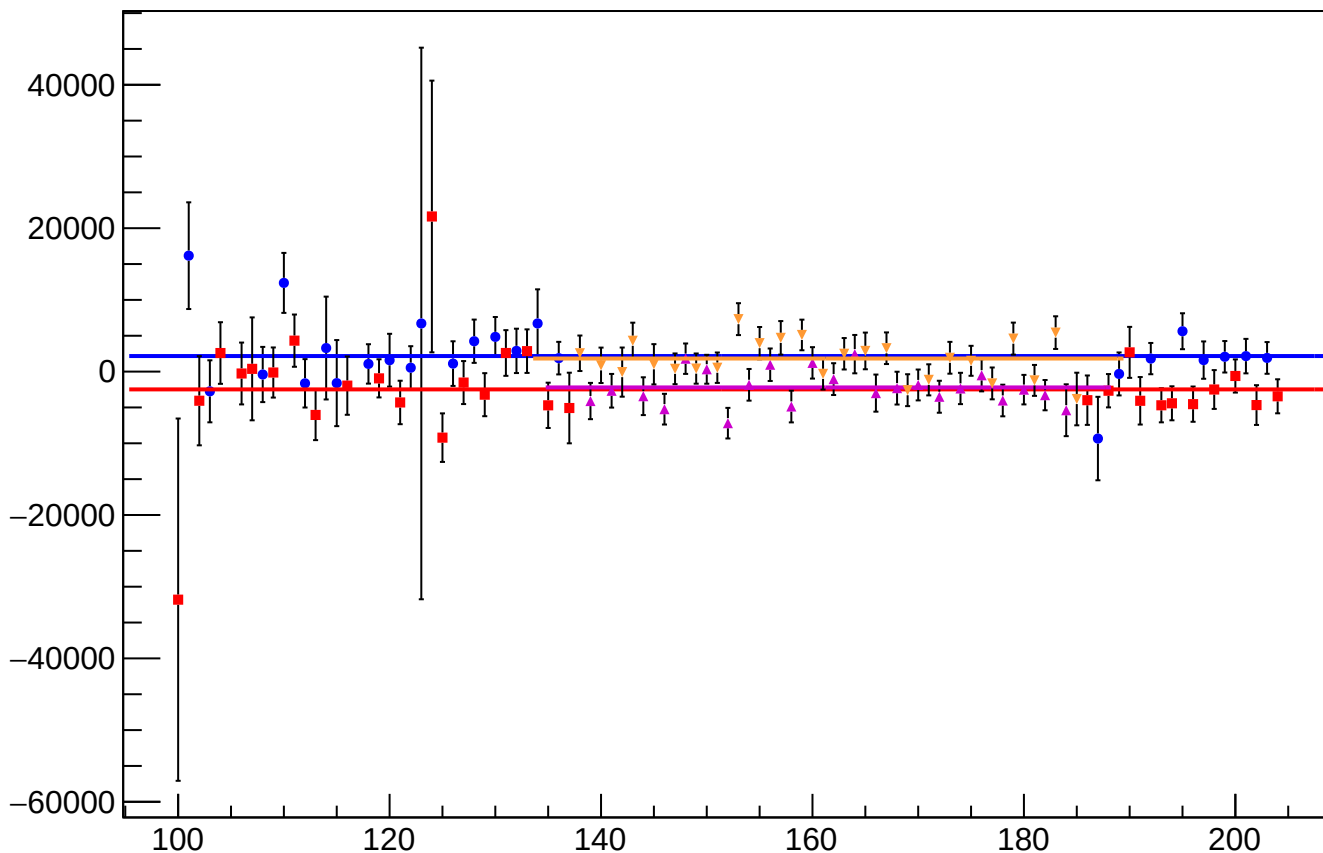
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 512.781 $\pm$ 0.074 χ^2 /NDF: 10791031.0/49

All: 515.367 $\pm$ 0.052 χ^2 /NDF: 20785776.4/100

- sign 517.935 $\pm$ 0.073 χ^2 /NDF: 9992285.1/52

asym_at1_avg_mean vs Slug



Right In: 2168.723+/-622.919 χ^2/NDF : 22.5/24

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

Right Out: -2482.562+/-581.698 χ^2/NDF : 27.3/29

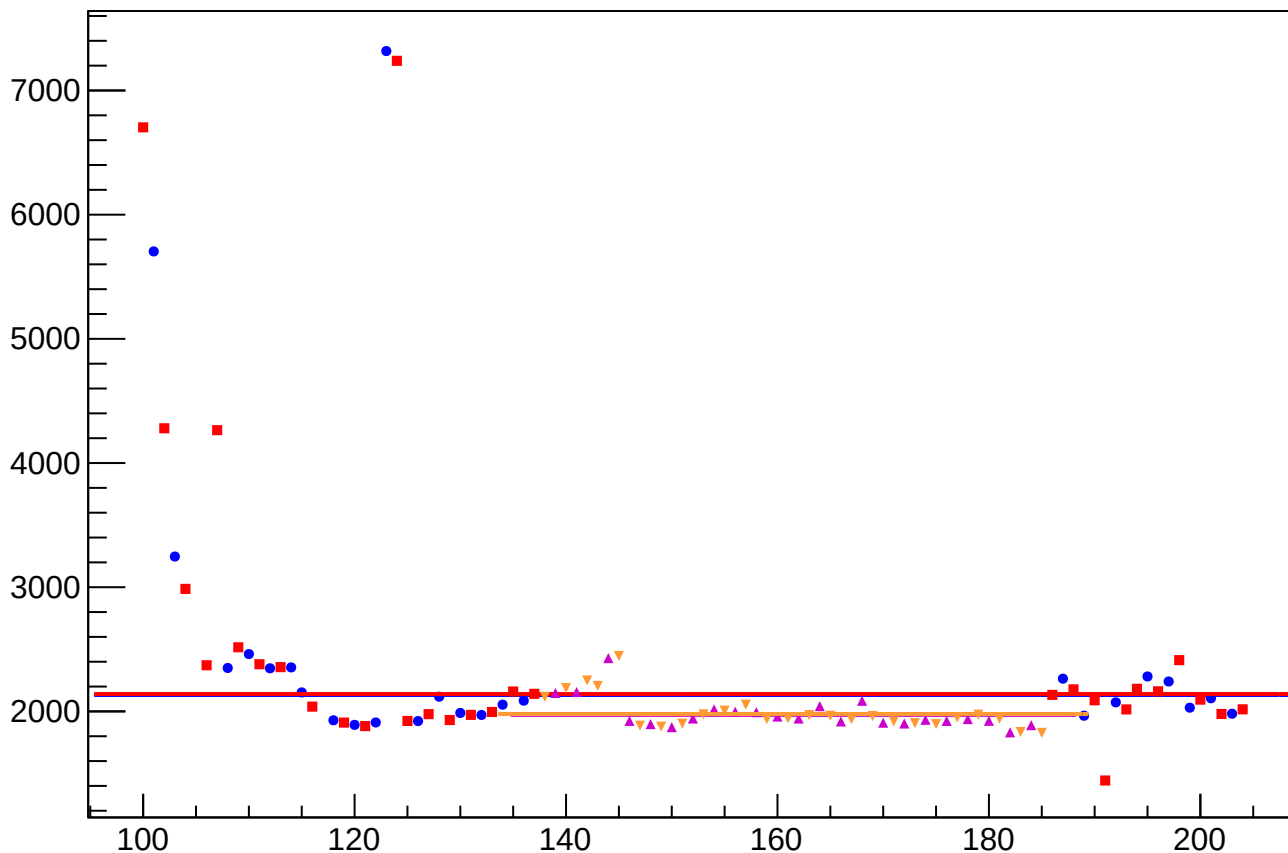
Left In: -2208.114+/-474.050 χ^2/NDF : 25.3/22

+ sign 1946.611+/-371.438 χ^2/NDF : 54.8/49

All: -208.370+/-261.235 χ^2/NDF : 174.1/102

- sign -2317.642+/-367.477 χ^2/NDF : 52.7/52

asym_at1_avg_rms vs Slug



Right In: 2132.394 $\pm$ 0.440 χ^2 /NDF: 743928.8/24

Left Out: 1978.997 $\pm$ 0.327 χ^2 /NDF:139299.8/24

Right Out: 2139.798 $\pm$ 0.411 χ^2 /NDF: 938596.7/29

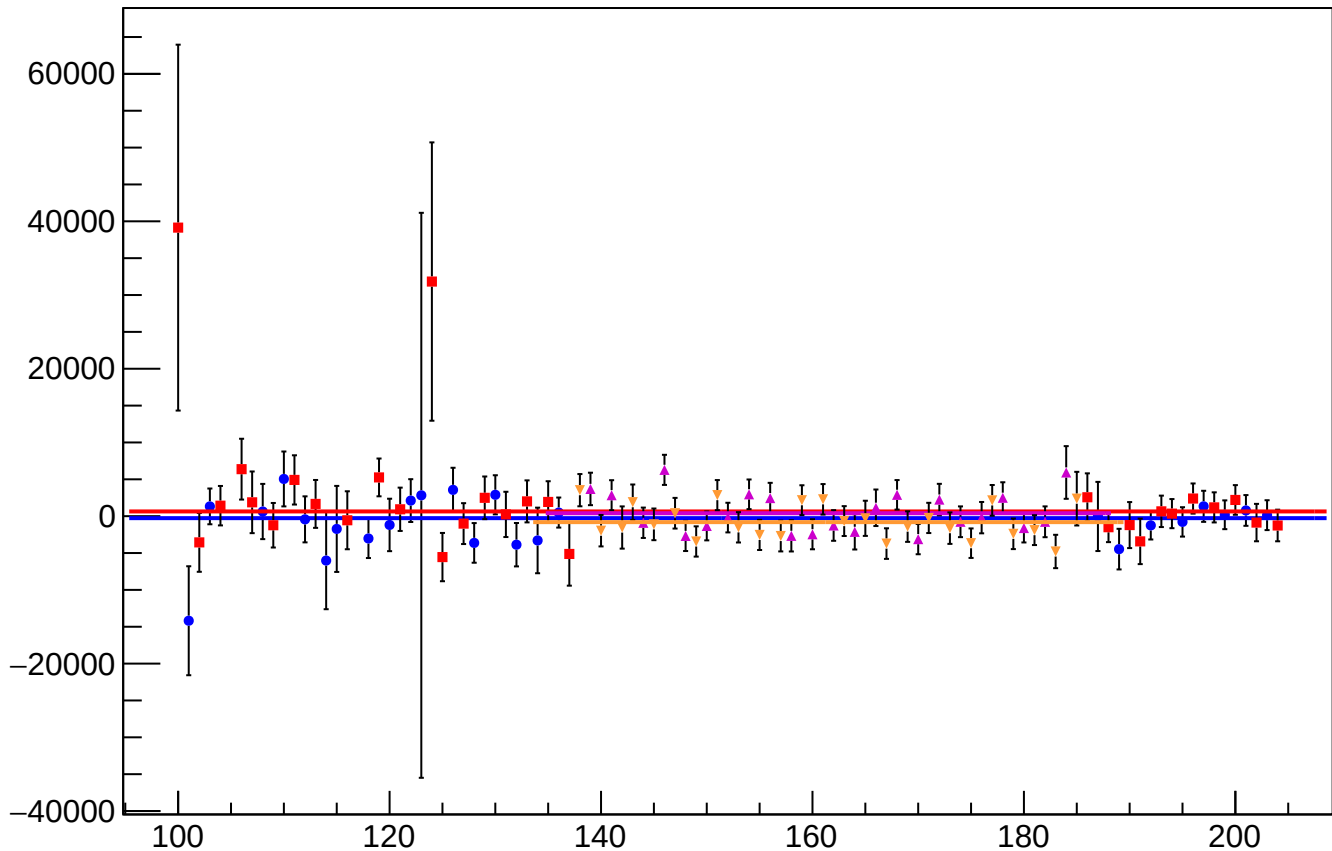
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2033.538 $\pm$ 0.263 χ^2 /NDF: 961388.4/49

All: 2036.332 $\pm$ 0.185 χ^2 /NDF: 2116468.6/10

- sign 2039.066 $\pm$ 0.260 χ^2 /NDF: 1154856.4/52

reg_asym_at1_dd_mean vs Slug



Right In: -268.212 ± 551.419 χ^2/NDF : 19.0/24

Left Out: -808.436 ± 430.304 χ^2/NDF : 27.9/24

Right Out: 642.346 ± 511.359 χ^2/NDF : 26.5/29

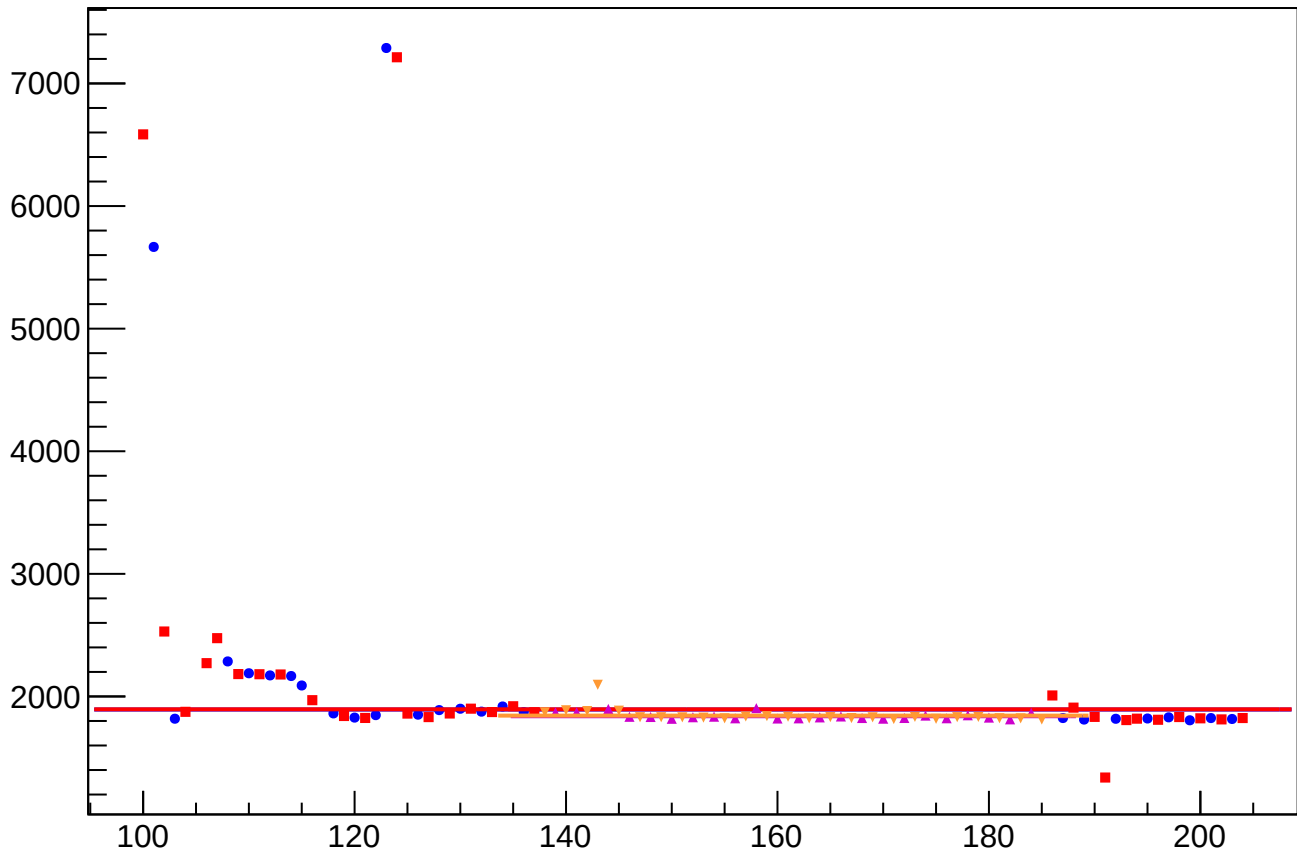
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -603.972 ± 339.237 χ^2/NDF : 47.6/49

All: -42.121 ± 238.028 χ^2/NDF : 114.0/102

- sign 502.743 ± 334.069 χ^2/NDF : 61.1/52

reg_asym_at1_dd_rms vs Slug



Right In: 1893.178+/-0.390 χ^2/NDF : 640061.5/24

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1895.054+/-0.362 χ^2/NDF : 475889.3/29

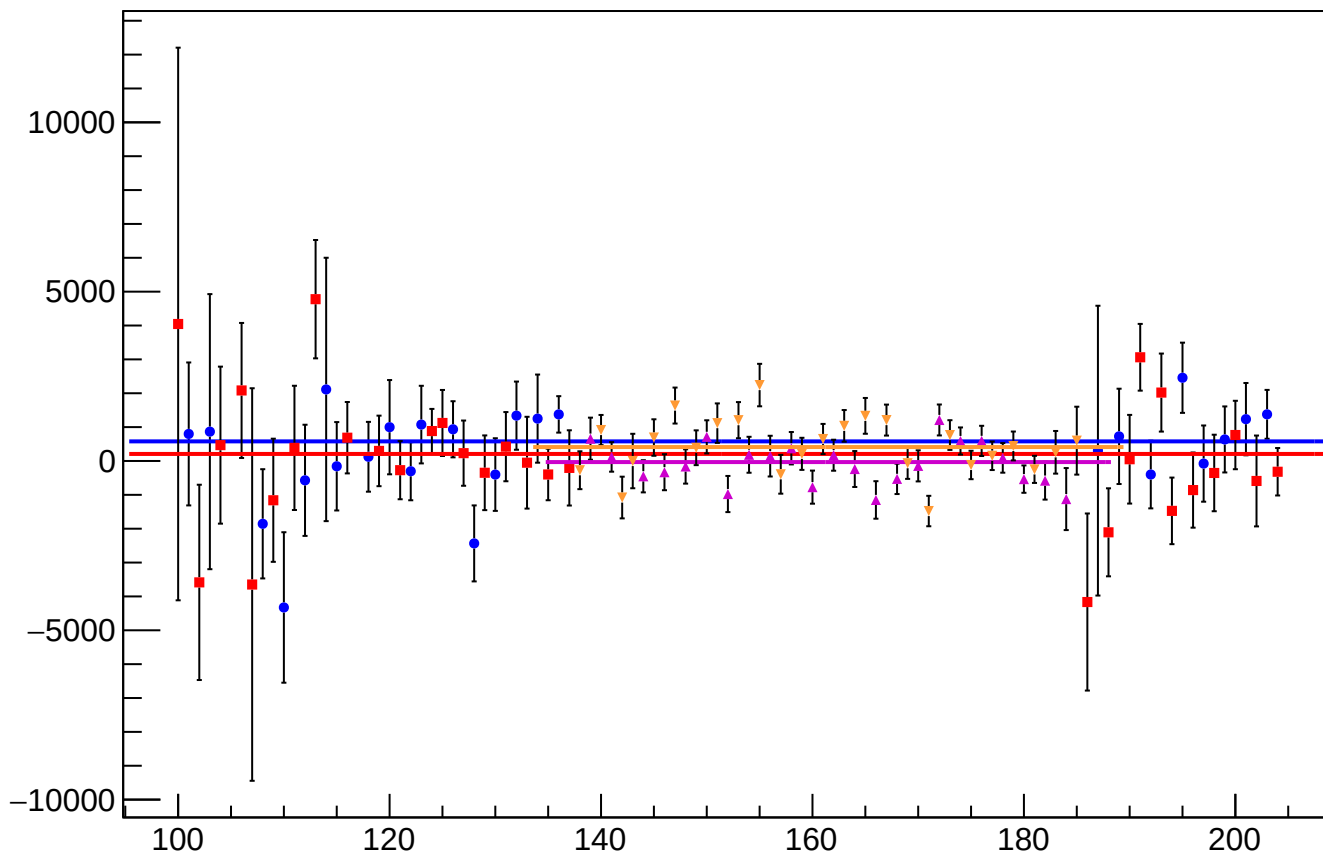
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1862.456+/-0.240 χ^2/NDF : 676918.0/49

All: 1862.580+/-0.168 χ^2/NDF : 1173110.3/10

- sign 1862.701+/-0.236 χ^2/NDF : 496191.7/52

asym_at1_dd_correction_mean vs Slug



Right In: 578.797 $\pm$ 219.508 χ^2/NDF : 27.1/24

Left Out: 411.072 $\pm$ 100.456 χ^2/NDF : 61.2/24

Right Out: 207.524 $\pm$ 206.965 χ^2/NDF : 36.5/29

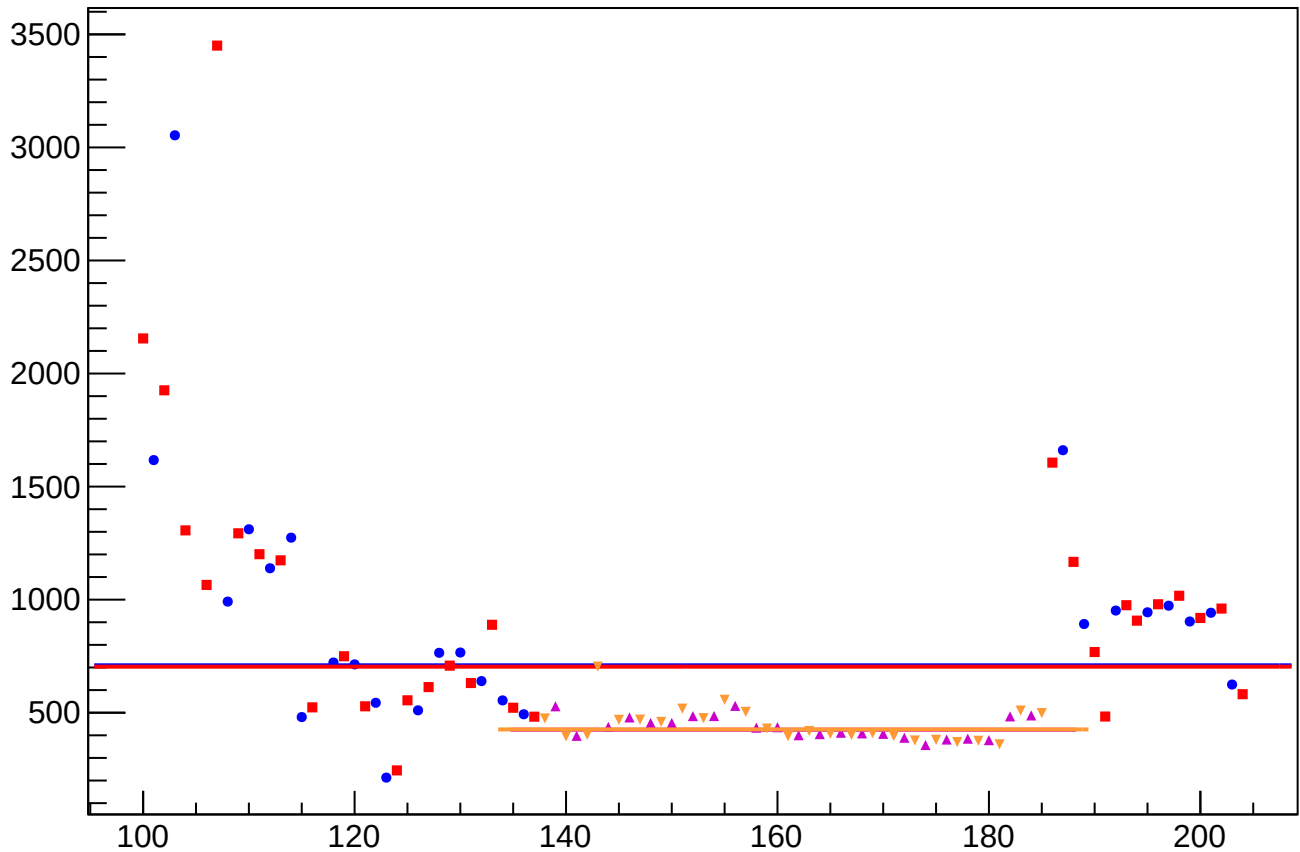
Left In: -32.456 $\pm$ 102.403 χ^2/NDF : 32.7/22

+ sign 440.117 $\pm$ 91.345 χ^2/NDF : 88.8/49

All: 228.446 $\pm$ 64.745 χ^2/NDF : 169.8/102

- sign 14.740 $\pm$ 91.783 χ^2/NDF : 70.3/52

asym_at1_dd_correction_rms vs Slug



Right In: 709.648 $\pm$ 0.155 χ^2 /NDF: 3085602.9/24

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 703.577 $\pm$ 0.146 χ^2 /NDF: 4307453.5/29

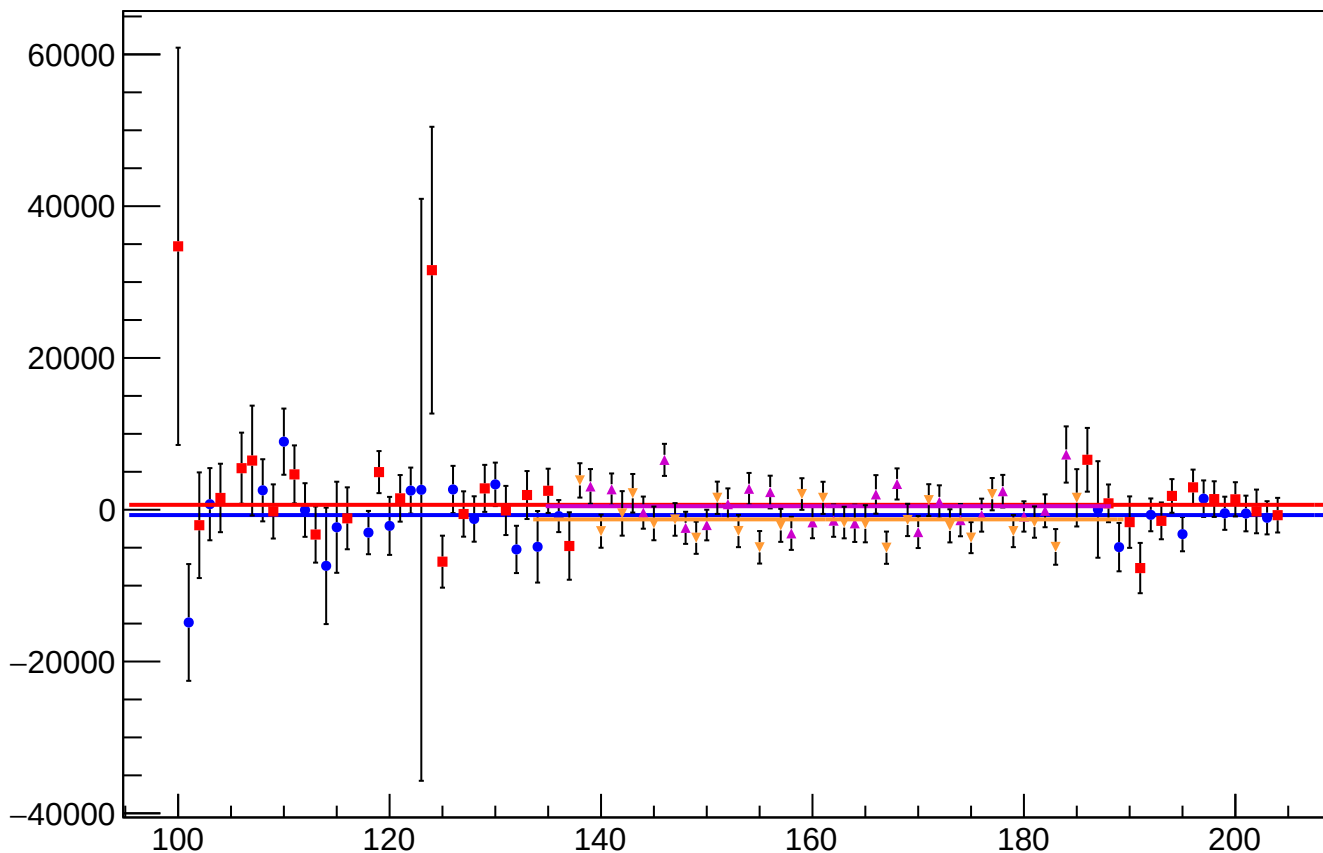
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 475.142 $\pm$ 0.065 χ^2 /NDF: 6579394.9/49

All: 477.309 $\pm$ 0.046 χ^2 /NDF: 14199161.3/10

- sign 479.496 $\pm$ 0.065 χ^2 /NDF: 7617504.3/52

asym_at1_dd_mean vs Slug



Right In: -702.947 ± 618.587 χ^2/NDF : 21.8/24

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

Right Out: 647.341 ± 580.864 χ^2/NDF : 30.2/29

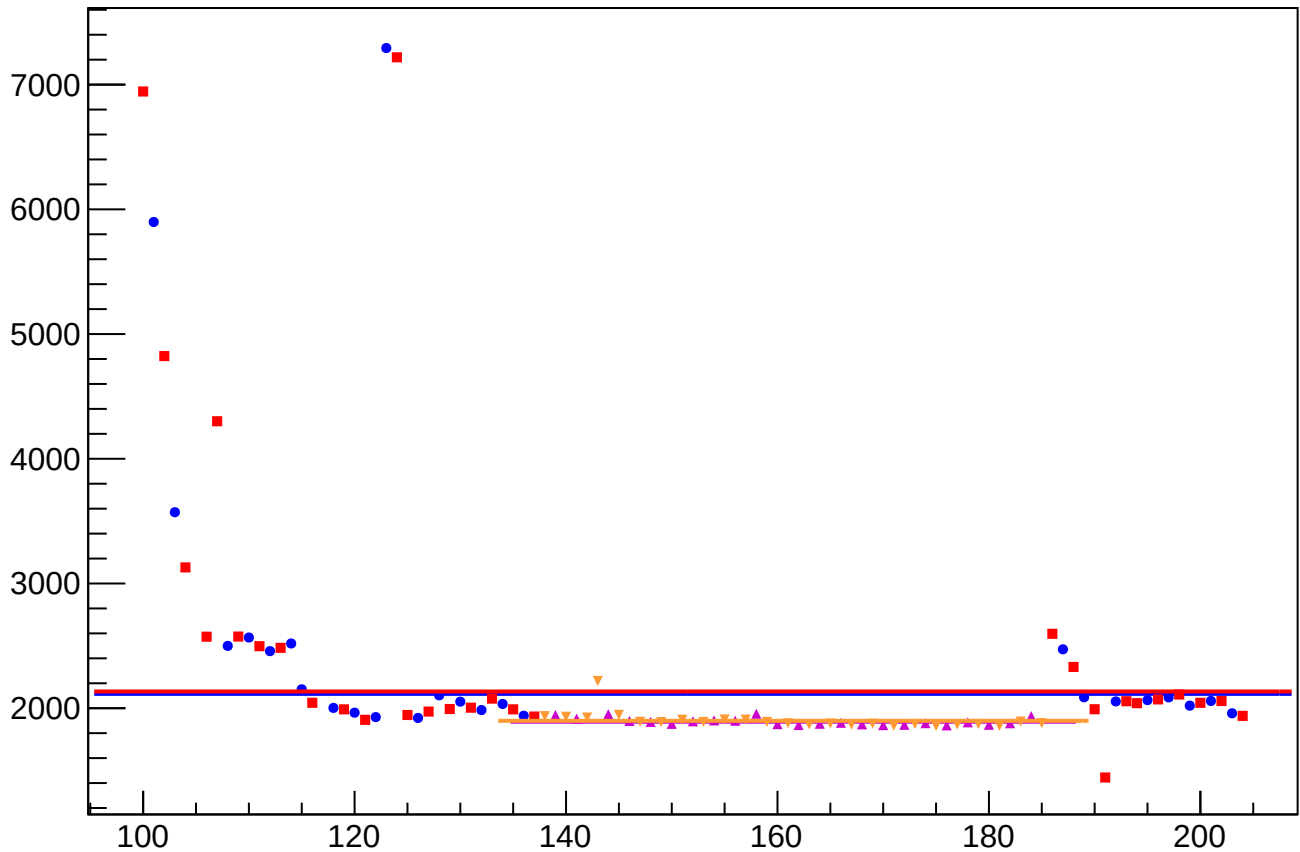
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1076.244 ± 360.284 χ^2/NDF : 53.1/49

All: -265.957 ± 253.833 χ^2/NDF : 126.0/102

- sign 532.648 ± 357.677 χ^2/NDF : 62.8/52

asym_at1_dd_rms vs Slug



Right In: 2115.148 $\pm$ 0.437 χ^2 /NDF: 836036.8/24

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2134.101 $\pm$ 0.411 χ^2 /NDF: 1071216.1/29

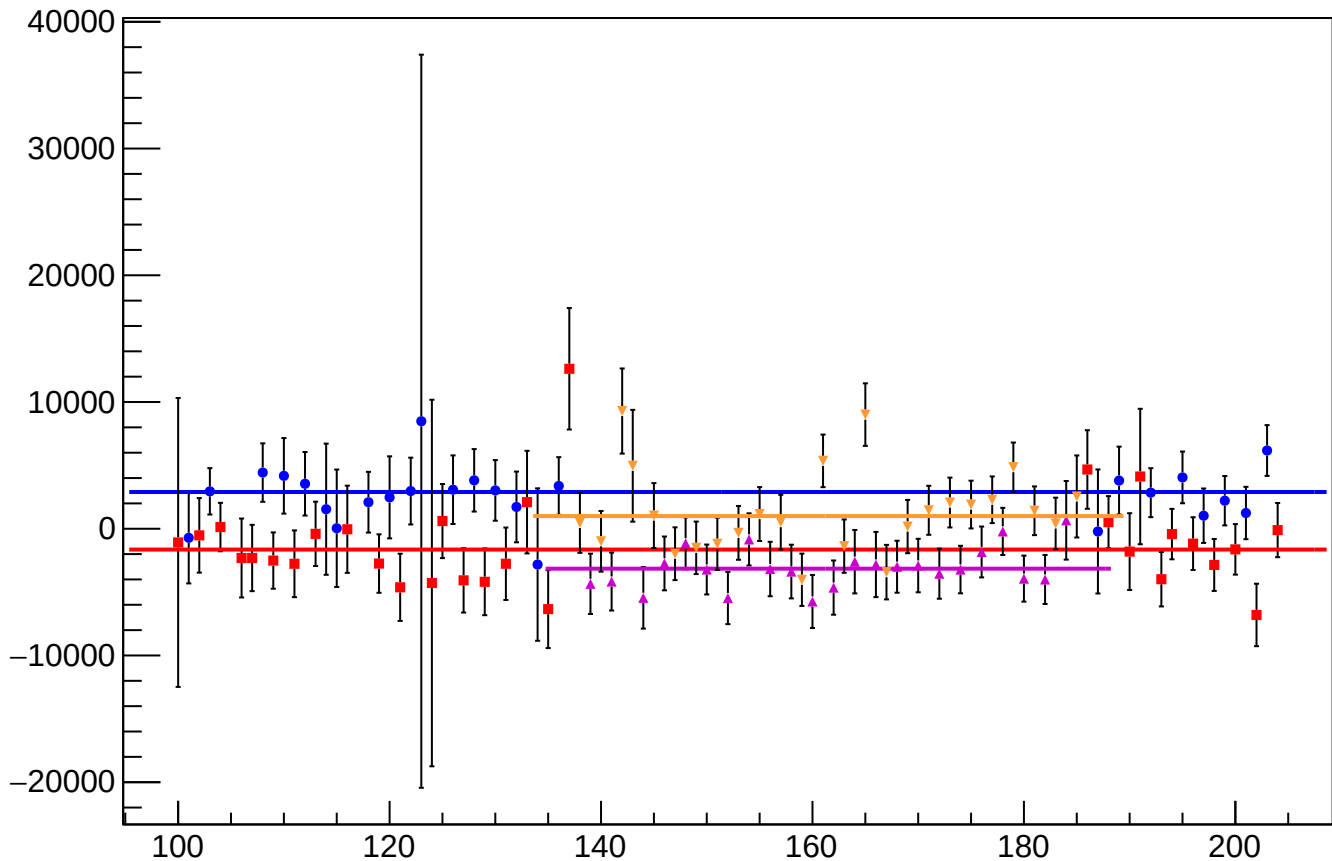
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1972.297 $\pm$ 0.255 χ^2 /NDF: 1036130.4/49

All: 1977.993 $\pm$ 0.179 χ^2 /NDF: 2332005.6/10

- sign 1983.607 $\pm$ 0.253 χ^2 /NDF: 1294882.8/52

reg_asym_at2_avg_mean vs Slug



Right In: 2900.203 ± 512.117 χ^2/NDF : 8.6/24

Left Out: 1001.263 ± 435.247 χ^2/NDF : 44.6/24

Right Out: -1642.239 ± 478.047 χ^2/NDF : 31.4/29

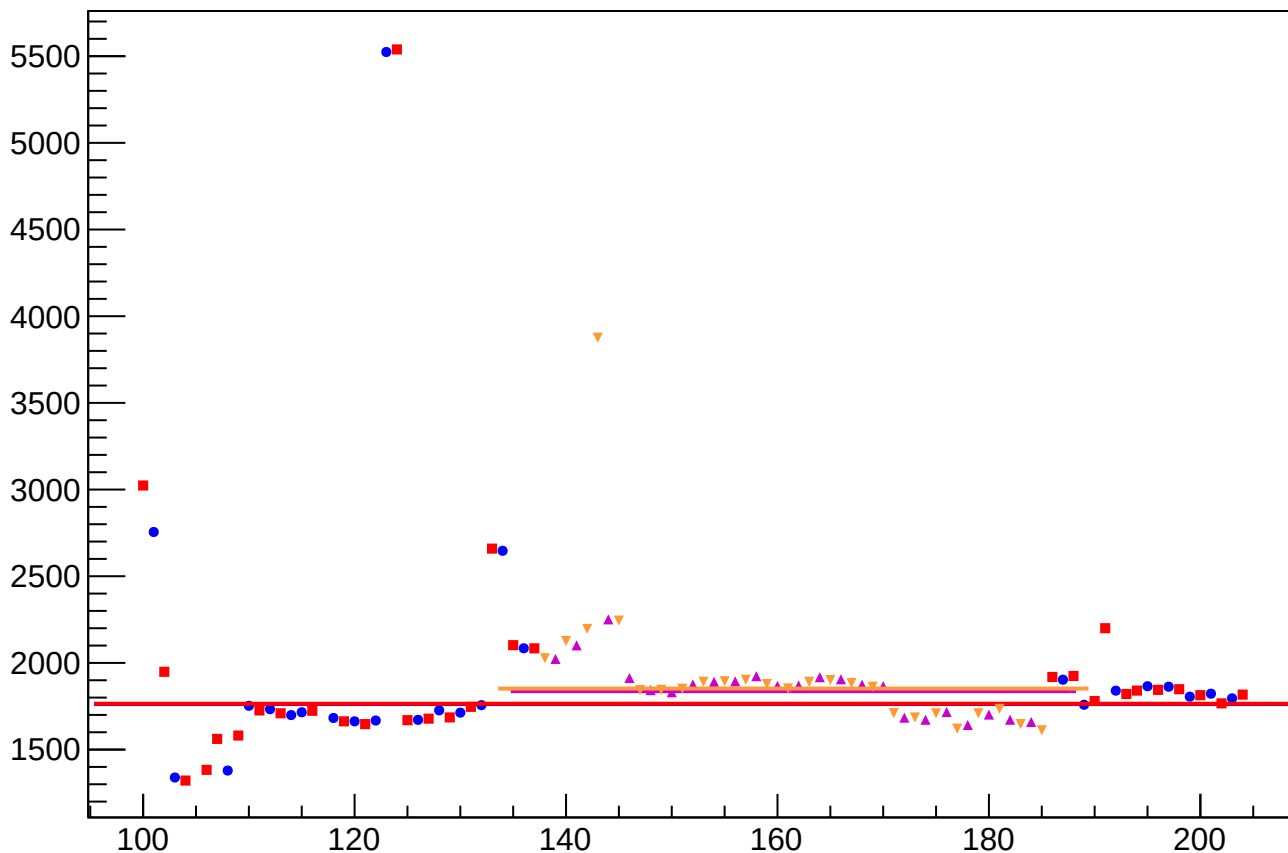
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1797.659 ± 331.648 χ^2/NDF : 61.2/49

All: -377.886 ± 231.832 χ^2/NDF : 194.0/102

- sign -2456.789 ± 324.198 χ^2/NDF : 48.6/52

reg_asym_at2_avg_rms vs Slug



Right In: 1762.621+/-0.362 χ^2/NDF : 460163.6/24

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1764.446+/-0.338 χ^2/NDF : 521805.7/29

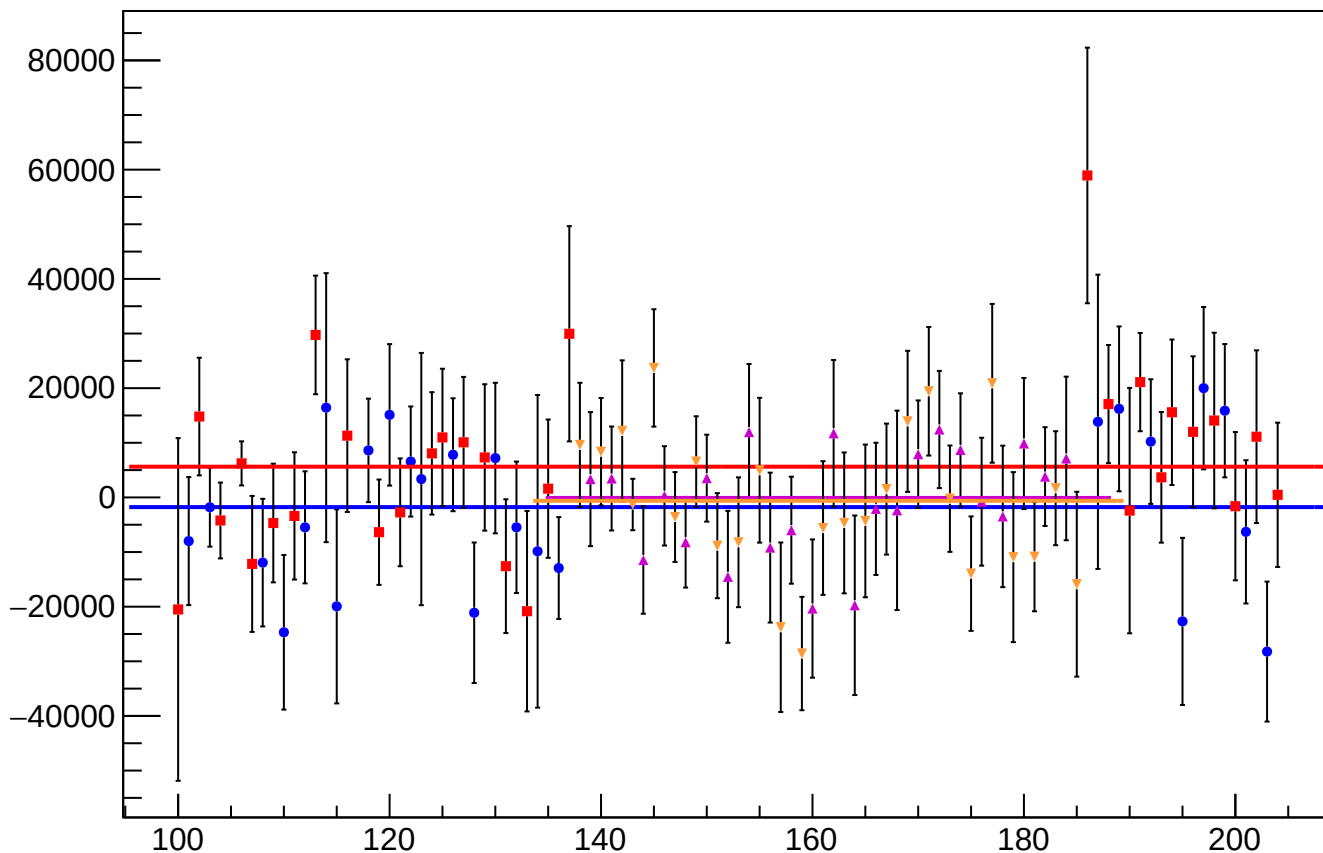
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1814.491+/-0.235 χ^2/NDF : 1144456.6/49

All: 1808.979+/-0.164 χ^2/NDF : 1892841.3/100

- sign 1803.712+/-0.229 χ^2/NDF : 747304.4/52

asym_at2_avg_correction_mean vs Slug



Right In: -1774.140 ± 2475.742 χ^2/NDF : 27.5/24

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 5623.894 ± 1977.571 χ^2/NDF : 31.7/29

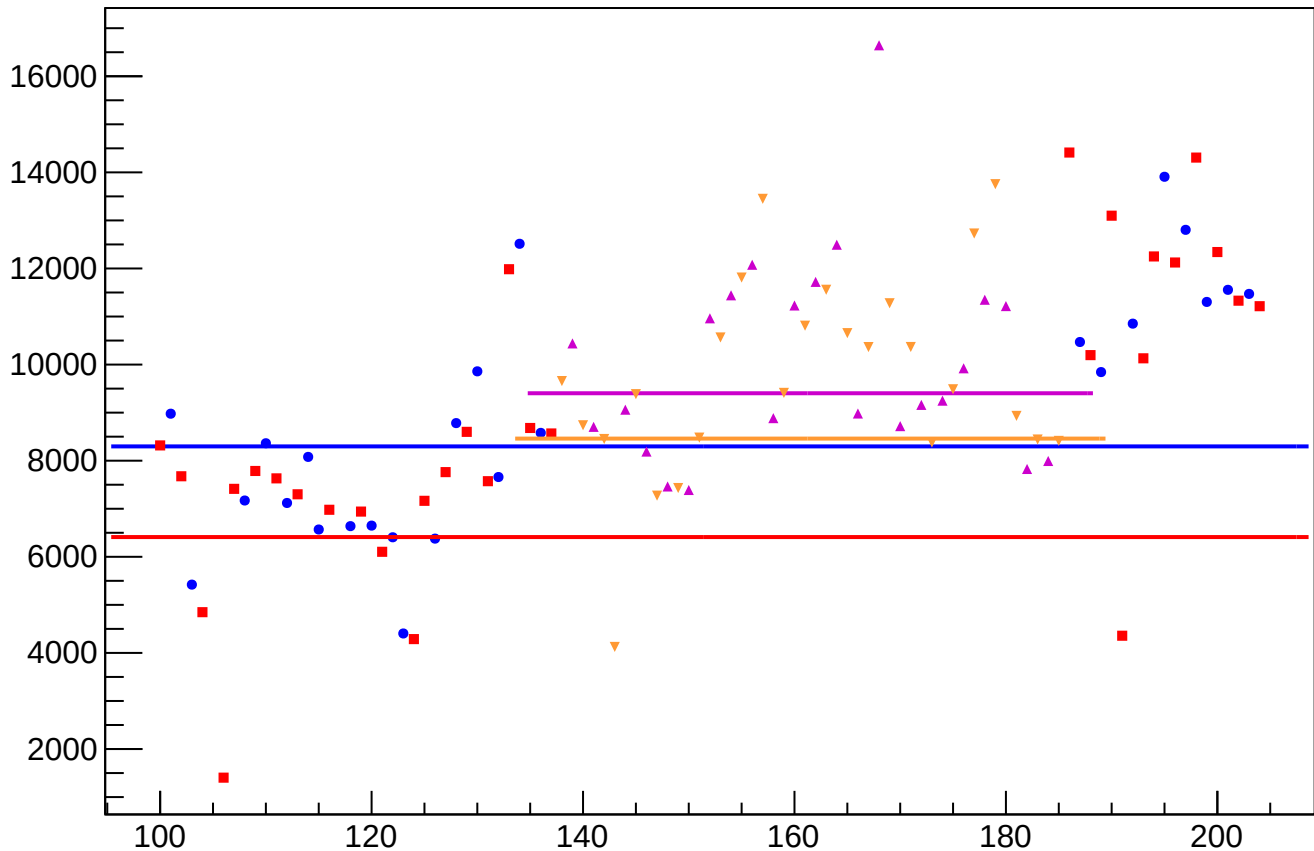
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -1094.414 ± 1587.903 χ^2/NDF : 57.8/49

All: 1170.839 ± 1089.562 χ^2/NDF : 111.5/102

- sign 3186.277 ± 1497.788 χ^2/NDF : 49.9/52

asym_at2_avg_correction_rms vs Slug



Right In: 8297.487+/-1.751 χ^2/NDF : 1712929.6/24

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

+ sign 8393.123+/-1.123 χ^2/NDF : 4805200.2/49

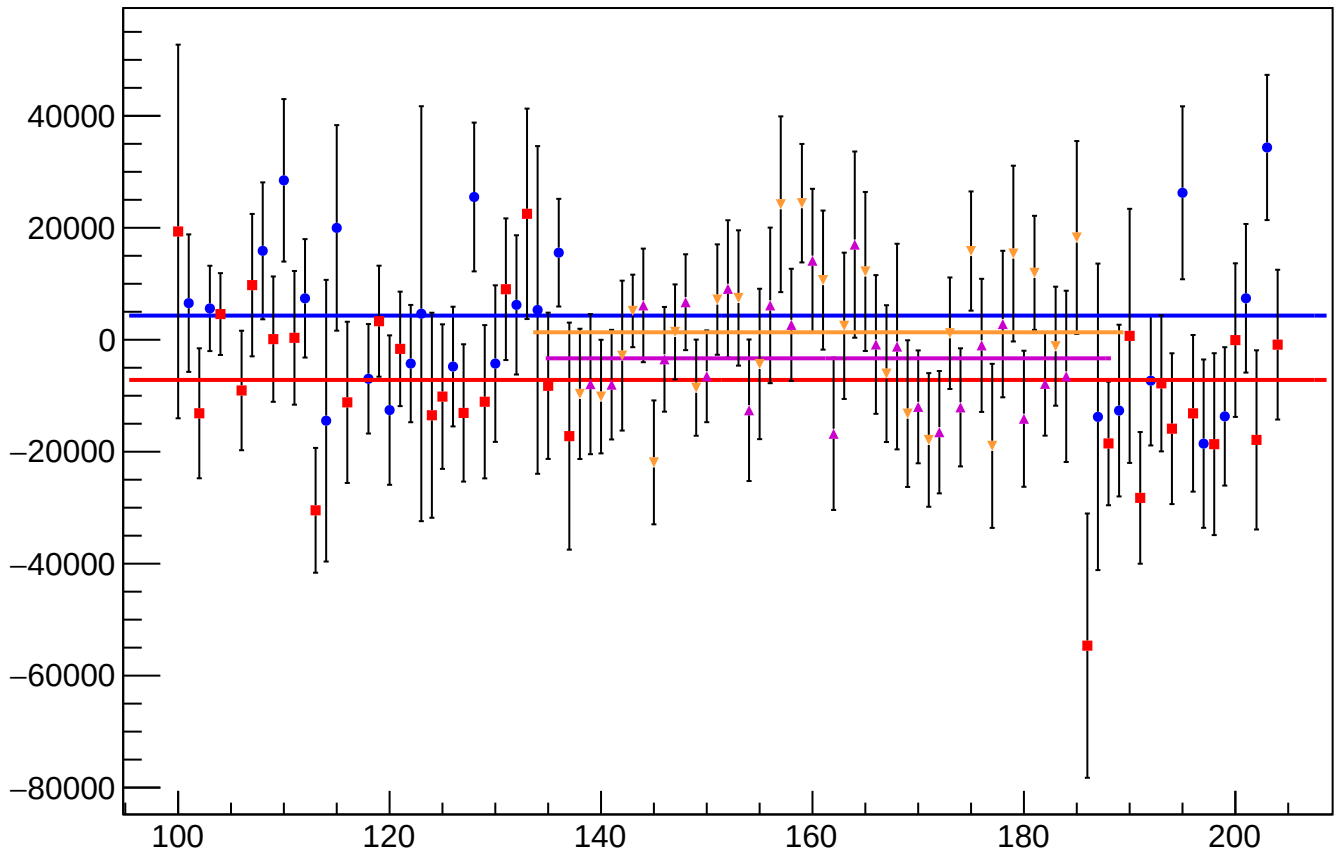
Right Out: 6410.817+/-1.398 χ^2/NDF : 6761655.1/29

All: 8019.341+/-0.770 χ^2/NDF : 14871738.8/52

Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

- sign 7686.780+/-1.059 χ^2/NDF : 9857119.8/52

asym_at2_avg_mean vs Slug



Right In: 4316.677+/-2560.984 χ^2/NDF : 28.3/24

Left Out: 1332.828+/-2213.733 χ^2/NDF : 28.0/24

Right Out: -7176.686+/-2337.242 χ^2/NDF : 27.3/29

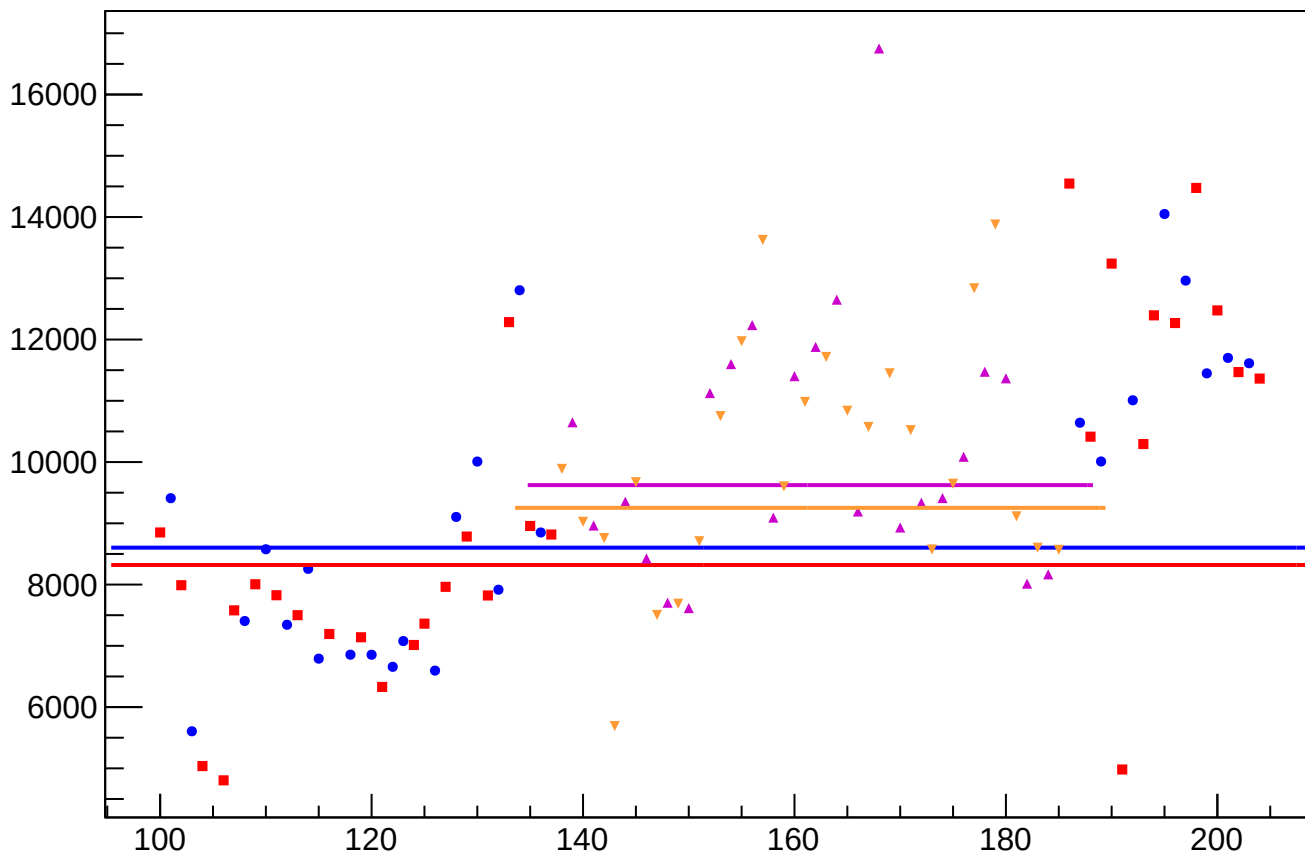
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 2608.888+/-1674.765 χ^2/NDF : 57.1/49

All: -1368.024+/-1177.279 χ^2/NDF : 110.6/10

- sign -5252.817+/-1655.255 χ^2/NDF : 42.4/52

asym_at2_avg_rms vs Slug



Right In: 8602.783+/-1.811 χ^2/NDF : 1551934.8/24

Left Out: 9252.712+/-1.565 χ^2/NDF : 1597668.9/24

Right Out: 8319.693+/-1.653 χ^2/NDF : 2398477.5/29

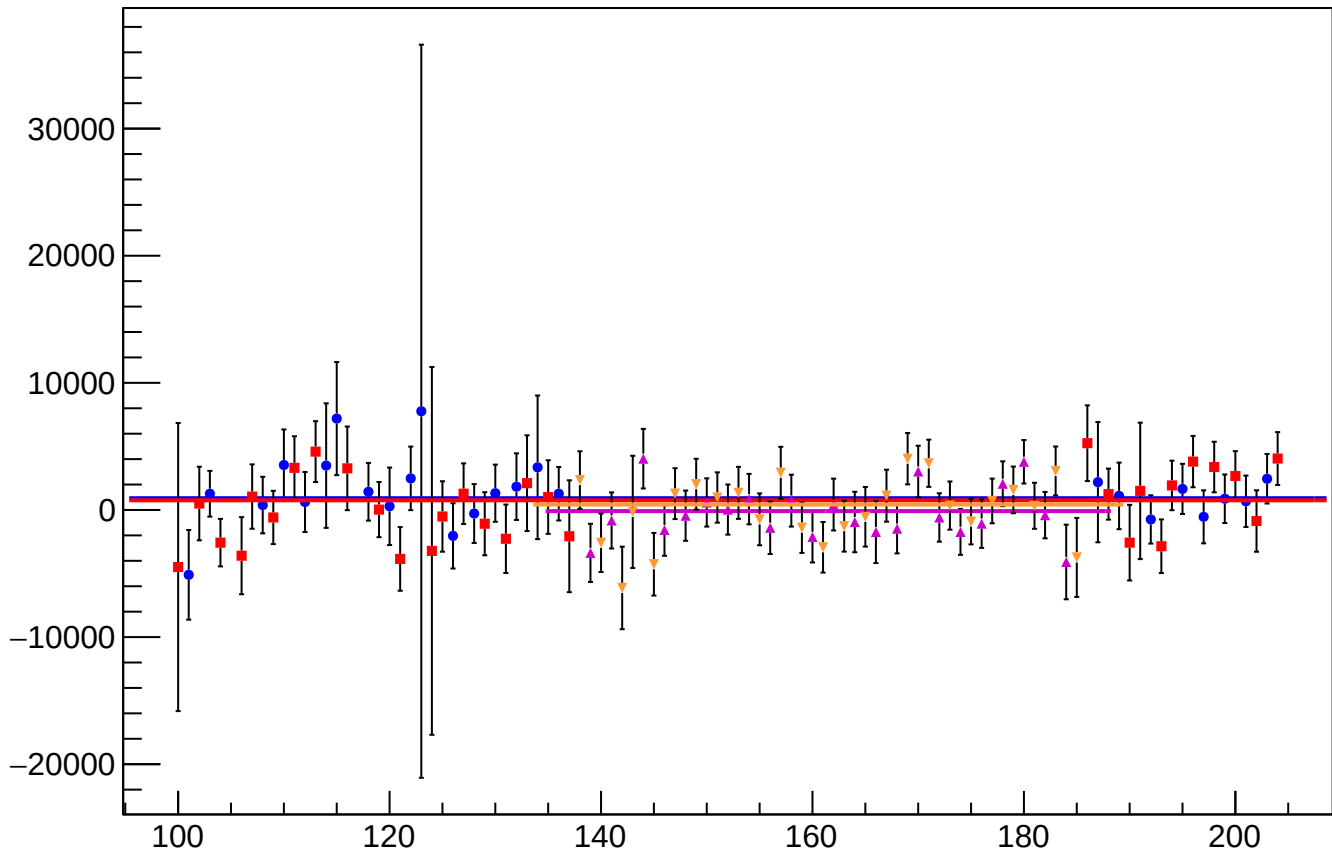
Left In: 9623.485+/-1.658 χ^2/NDF : 1069924.0/22

+ sign 8974.760+/-1.184 χ^2/NDF : 3223328.7/49

All: 8972.097+/-0.832 χ^2/NDF : 7001976.8/10

- sign 8969.496+/-1.170 χ^2/NDF : 3778638.2/52

reg_asym_at2_dd_mean vs Slug



Right In: 925.497 ± 492.088 χ^2/NDF : 10.8/24

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 760.967 ± 460.351 χ^2/NDF : 31.1/29

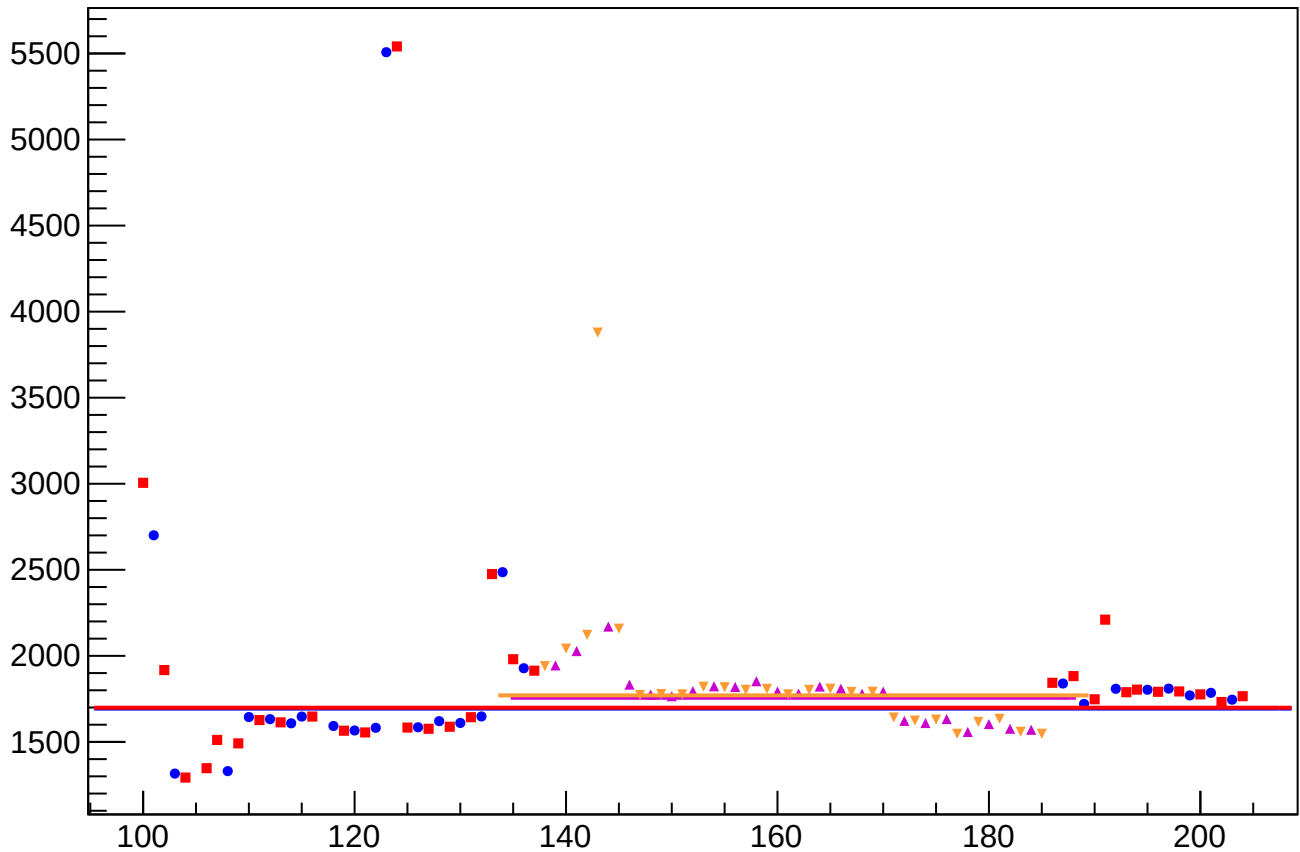
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 636.416 ± 317.859 χ^2/NDF : 40.1/49

All: 464.268 ± 222.317 χ^2/NDF : 94.6/102

- sign 299.408 ± 311.058 χ^2/NDF : 53.9/52

reg_asym_at2_dd_rms vs Slug



Right In: 1693.663 $\pm$ 0.348 χ^2 /NDF: 457159.7/24

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1698.802 $\pm$ 0.326 χ^2 /NDF: 535733.6/29

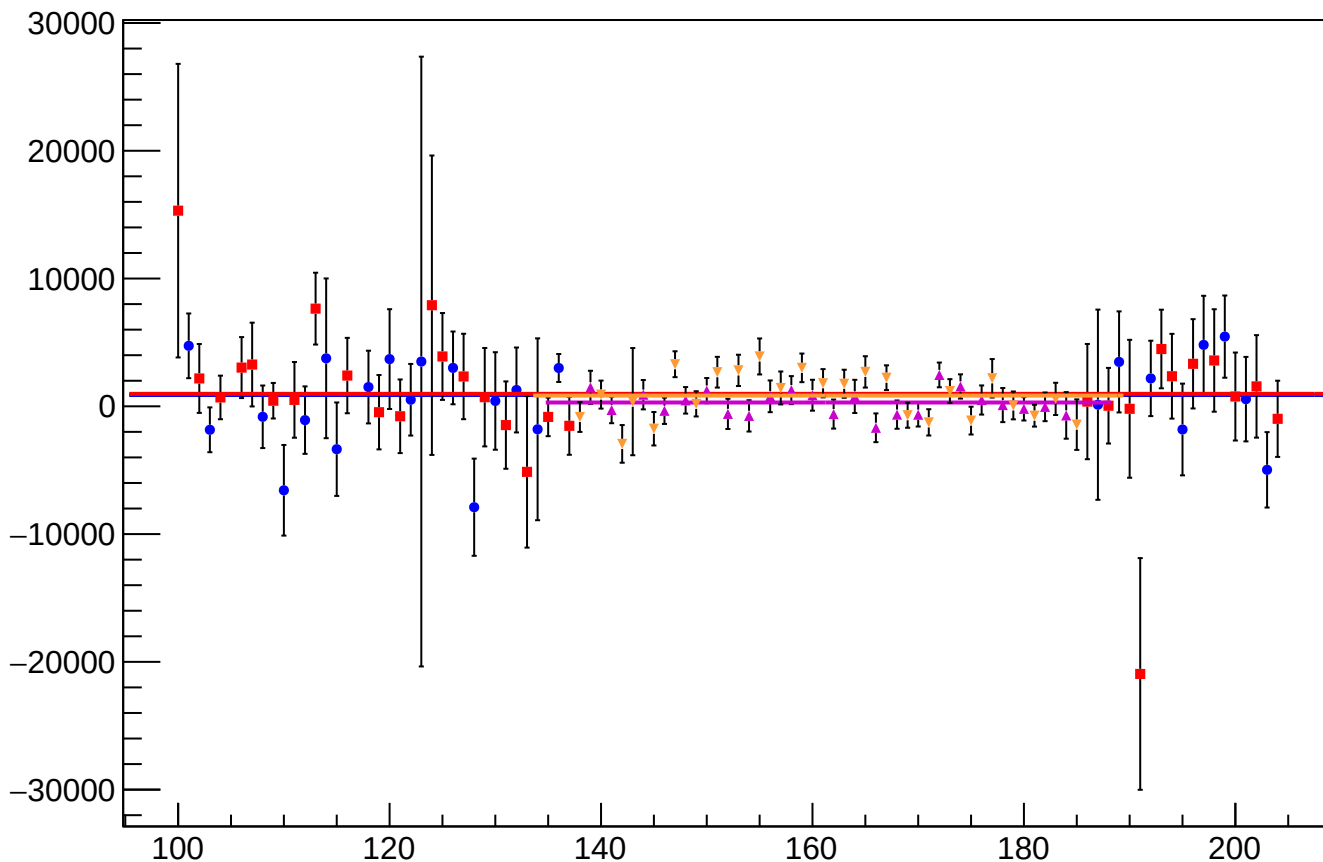
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1738.373 $\pm$ 0.225 χ^2 /NDF: 1185027.8/49

All: 1734.210 $\pm$ 0.157 χ^2 /NDF: 1961656.6/10

- sign 1730.224 $\pm$ 0.220 χ^2 /NDF: 775957.3/52

asym_at2_dd_correction_mean vs Slug



Right In: 885.195 $\pm$ 564.090 χ^2 /NDF: 30.3/24

Left Out: 839.344 $\pm$ 230.465 χ^2 /NDF: 54.4/24

Right Out: 975.335 $\pm$ 521.457 χ^2 /NDF: 24.0/29

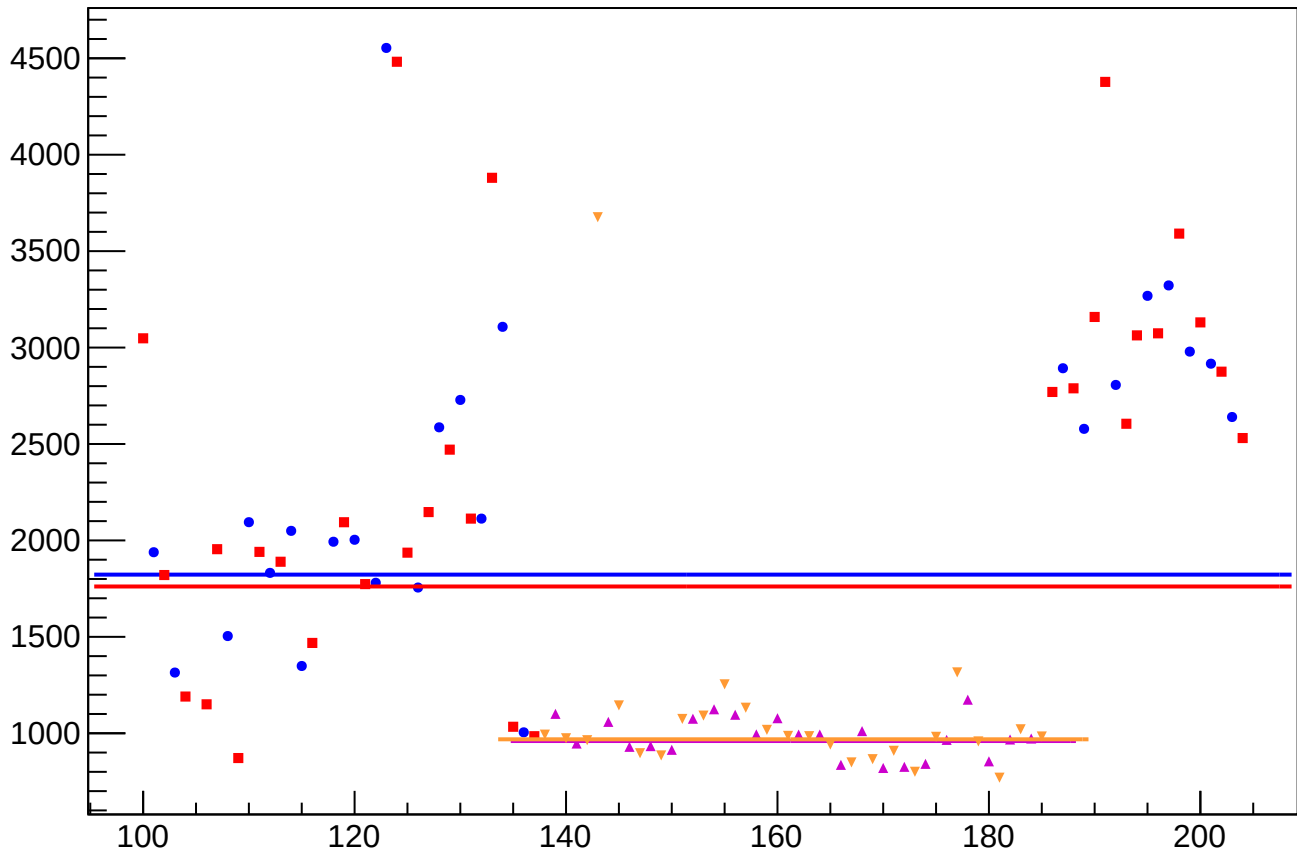
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 845.902 $\pm$ 213.346 χ^2 /NDF: 84.7/49

All: 626.120 $\pm$ 150.205 χ^2 /NDF: 130.5/102

- sign 410.106 $\pm$ 211.510 χ^2 /NDF: 43.7/52

asym_at2_dd_correction_rms vs Slug



Right In: 1822.648 $\pm$ 0.399 χ^2 /NDF: 3282492.1/24

Left Out: 968.712 $\pm$ 0.163 χ^2 /NDF: 1393696.6/24

Right Out: 1761.107 $\pm$ 0.369 χ^2 /NDF: 4851460.7/29

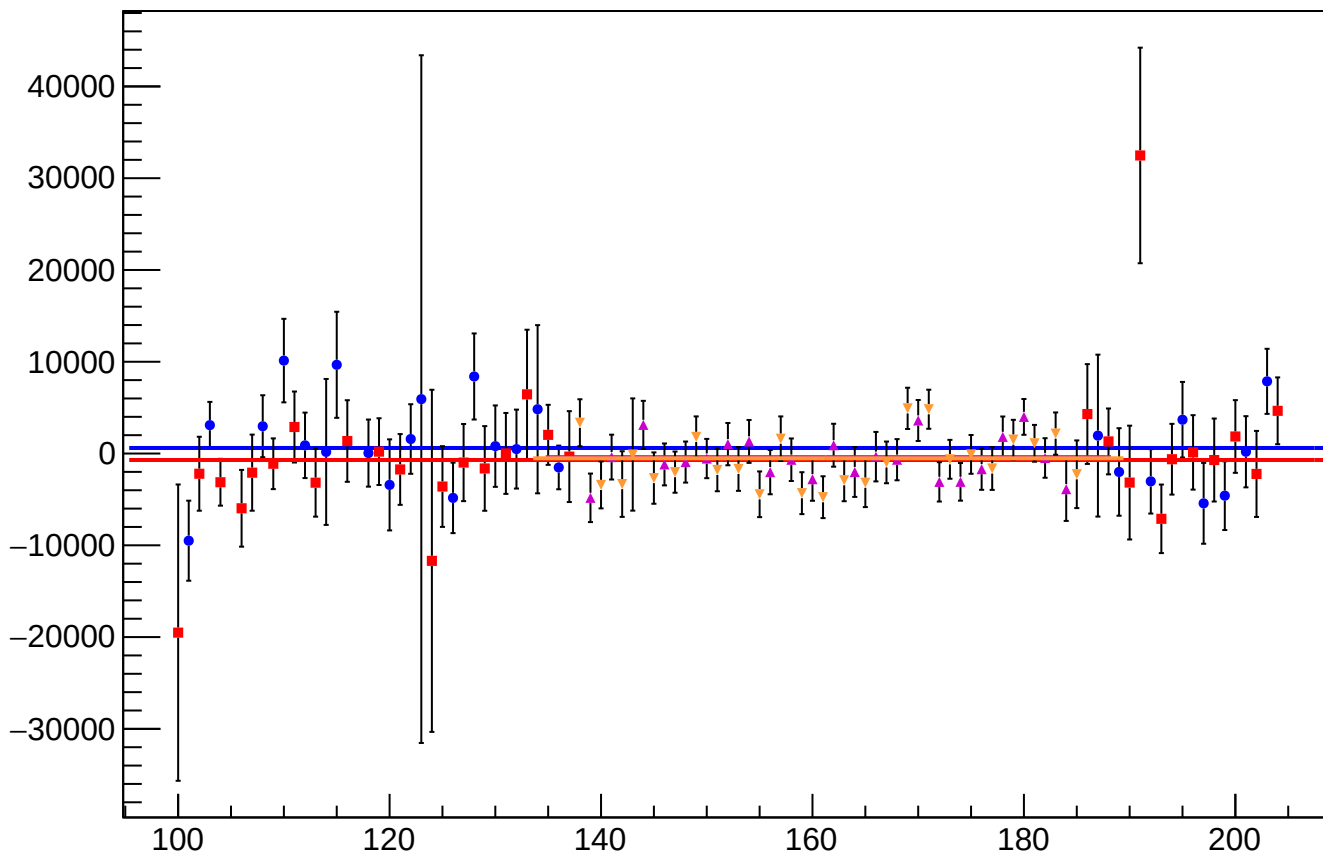
Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

+ sign 1090.863 $\pm$ 0.151 χ^2 /NDF: 8603918.8/49

All: 1091.253 $\pm$ 0.106 χ^2 /NDF: 17772268.9/100

- sign 1091.636 $\pm$ 0.150 χ^2 /NDF: 9168336.9/52

asym_at2_dd_mean vs Slug



Right In: 605.909 ± 809.130 χ^2/NDF : 30.2/24

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -703.092 ± 757.823 χ^2/NDF : 23.4/29

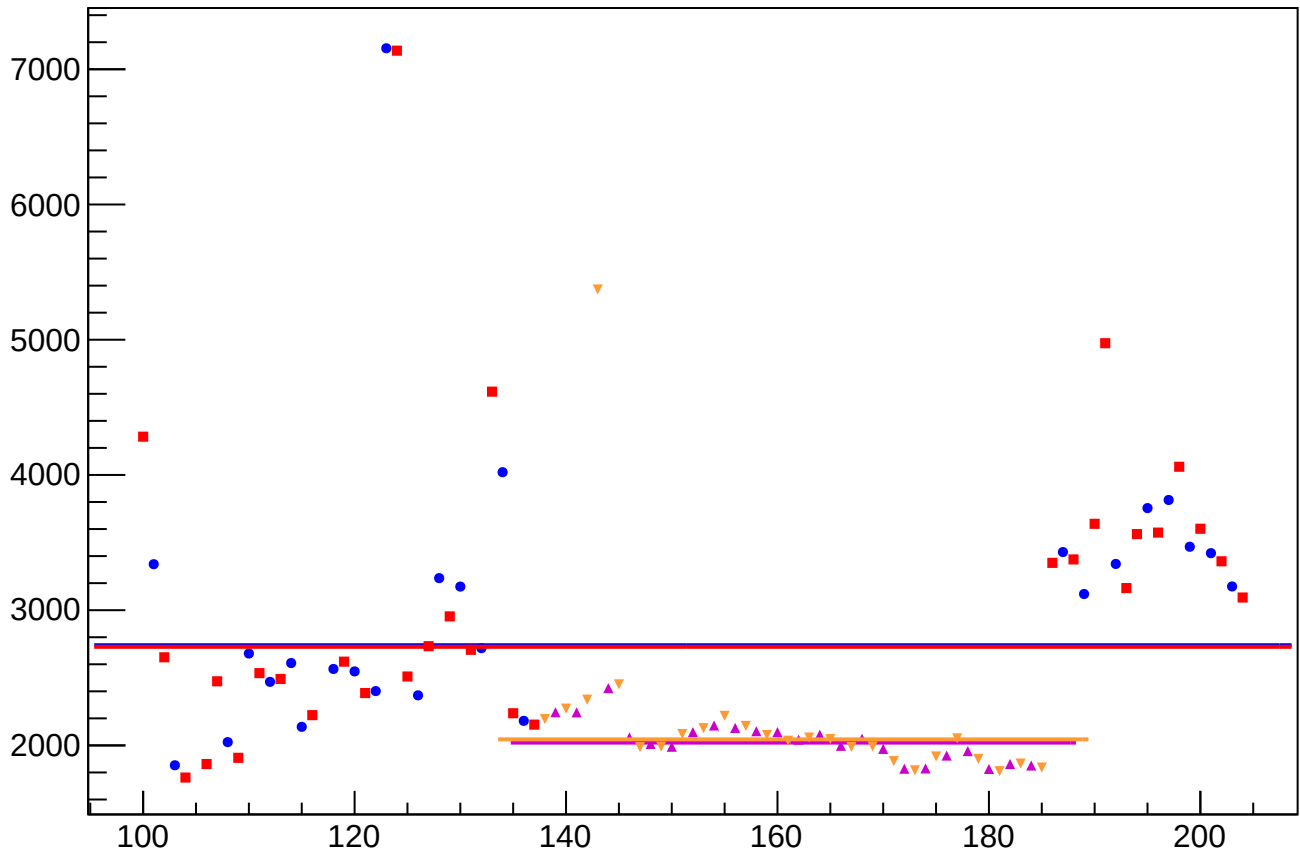
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -223.886 ± 413.769 χ^2/NDF : 65.7/49

All: -356.732 ± 290.709 χ^2/NDF : 111.1/102

- sign -486.237 ± 408.532 χ^2/NDF : 45.3/52

asym_at2_dd_rms vs Slug



Right In: 2740.983+/-0.572 χ^2/NDF : 1160012.2/24

Left Out: 2044.722+/-0.340 χ^2/NDF : 788703.5/24

Right Out: 2729.096+/-0.536 χ^2/NDF : 1712388.0/29

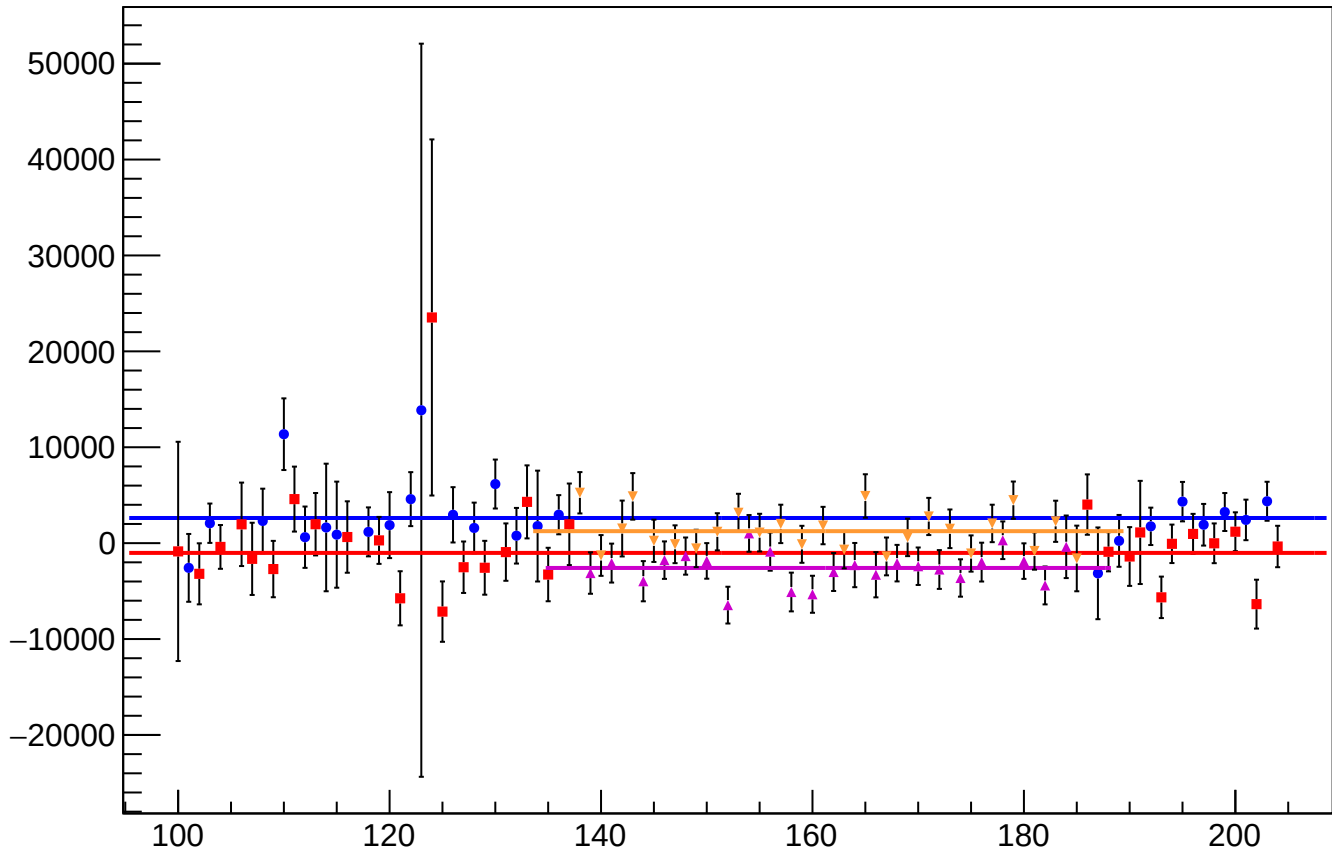
Left In: 2020.802+/-0.343 χ^2/NDF : 173502.0/22

+ sign 2226.798+/-0.293 χ^2/NDF : 3042386.0/49

All: 2226.719+/-0.206 χ^2/NDF : 6167663.9/100

- sign 2226.643+/-0.289 χ^2/NDF : 3125277.7/52

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2623.392 ± 541.196 χ^2/NDF : 15.8/24

Left Out: 1249.917 ± 412.486 χ^2/NDF : 23.0/24

Right Out: -1017.299 ± 510.622 χ^2/NDF : 31.9/29

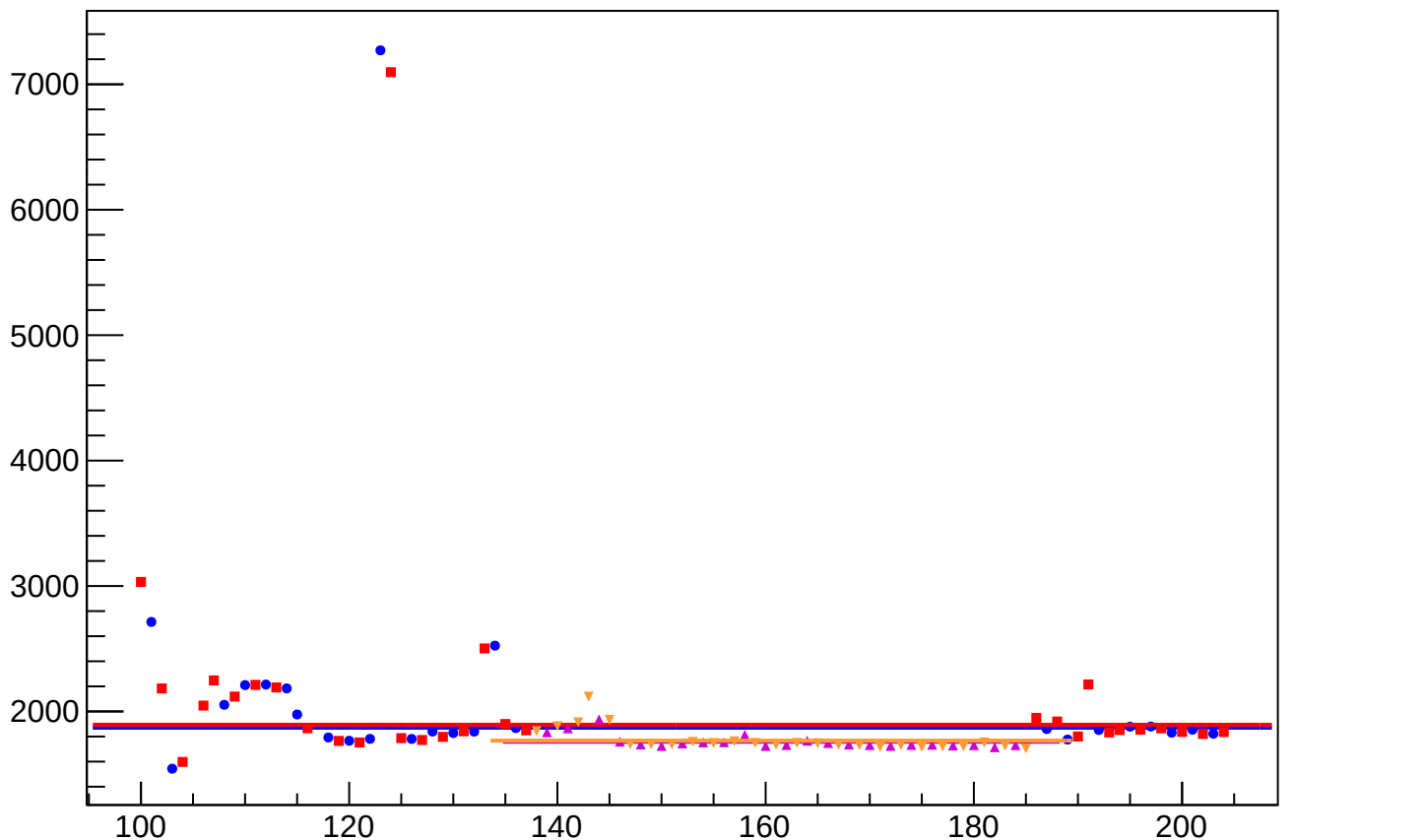
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1754.604 ± 328.062 χ^2/NDF : 42.9/49

All: -115.109 ± 230.908 χ^2/NDF : 162.2/102

- sign -1950.816 ± 325.064 χ^2/NDF : 54.9/52

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1870.395 ± 0.383 χ^2/NDF : 294198.1/24

Left Out: 1767.517 ± 0.292 χ^2/NDF : 77674.7/24

Right Out: 1894.086 ± 0.361 χ^2/NDF : 382978.5/29

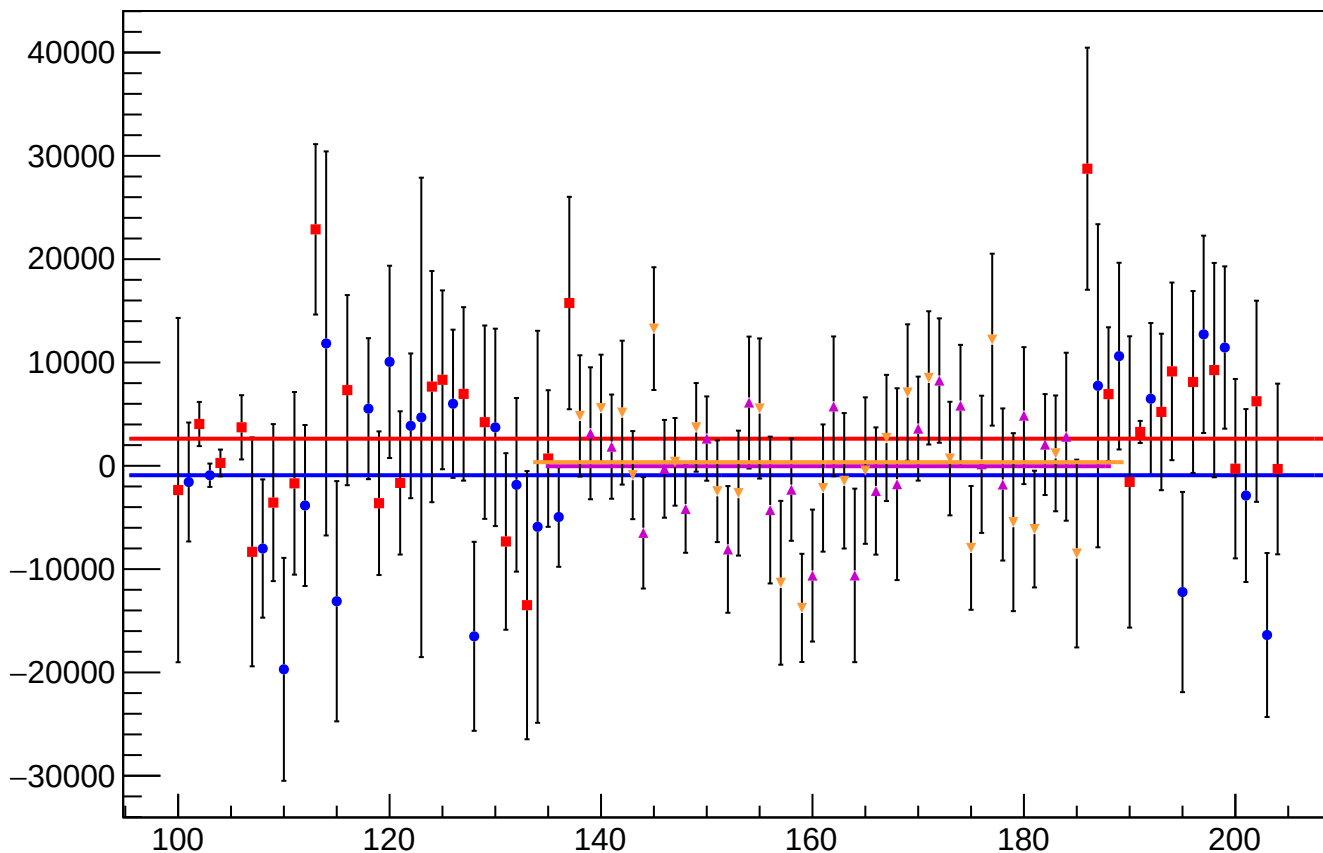
Left In: 1758.076 ± 0.298 χ^2/NDF : 29806.0/22

+ sign 1805.320 ± 0.232 χ^2/NDF : 417588.0/49

All: 1809.320 ± 0.163 χ^2/NDF : 915427.5/102

- sign 1813.245 ± 0.230 χ^2/NDF : 497250.2/52

asym_atl1r2_avg_correction_mean vs Slug



Right In: -913.083 ± 939.449 χ^2/NDF : 26.2/24

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2623.658 ± 685.508 χ^2/NDF : 26.6/29

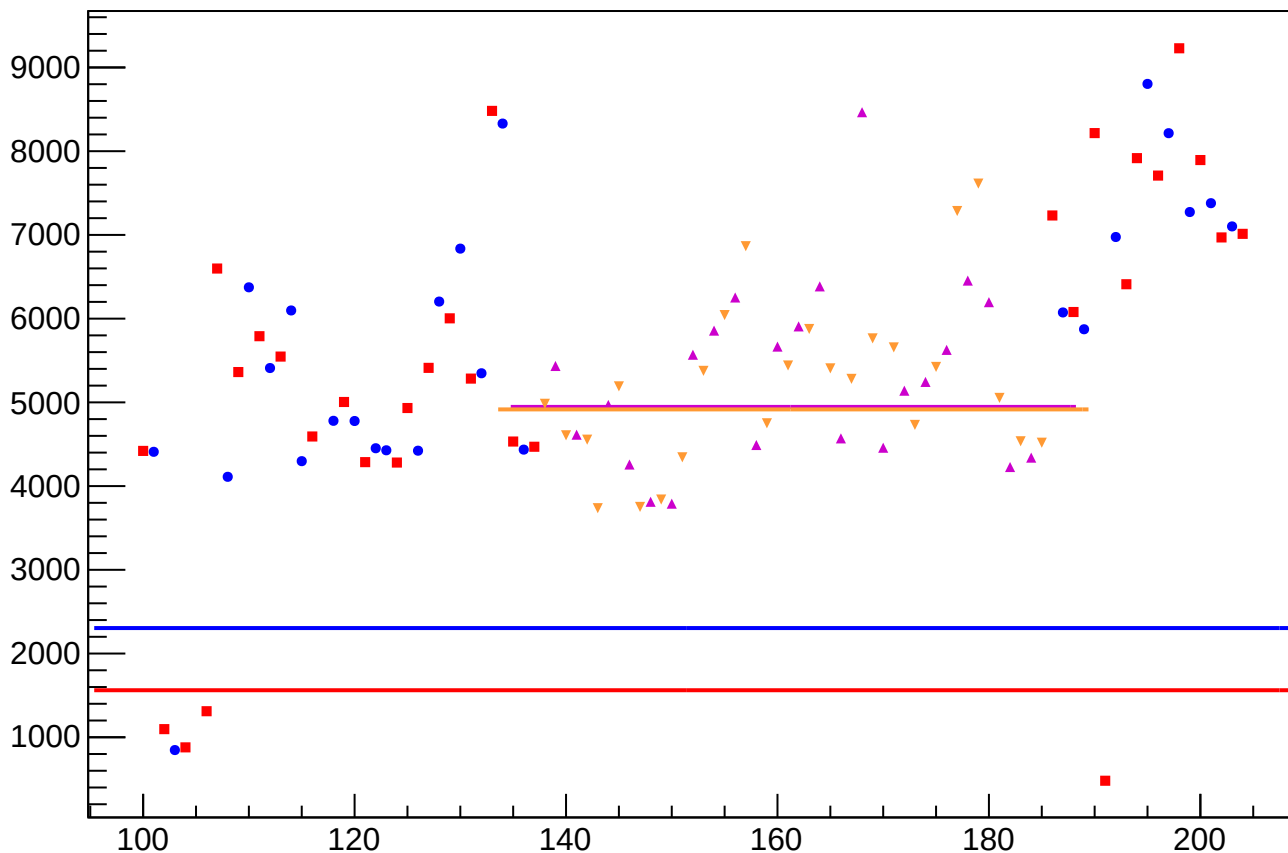
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -417.506 ± 732.544 χ^2/NDF : 54.8/49

All: 1021.362 ± 462.380 χ^2/NDF : 107.5/102

- sign 1974.266 ± 596.140 χ^2/NDF : 46.3/52

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2304.332 $\pm$ 0.664 χ^2 /NDF: 12113505.1/24

Left Out: 4915.865 $\pm$ 0.827 χ^2 /NDF:1186479.7/24

Right Out: 1561.700 $\pm$ 0.485 χ^2 /NDF: 16844222.5/29

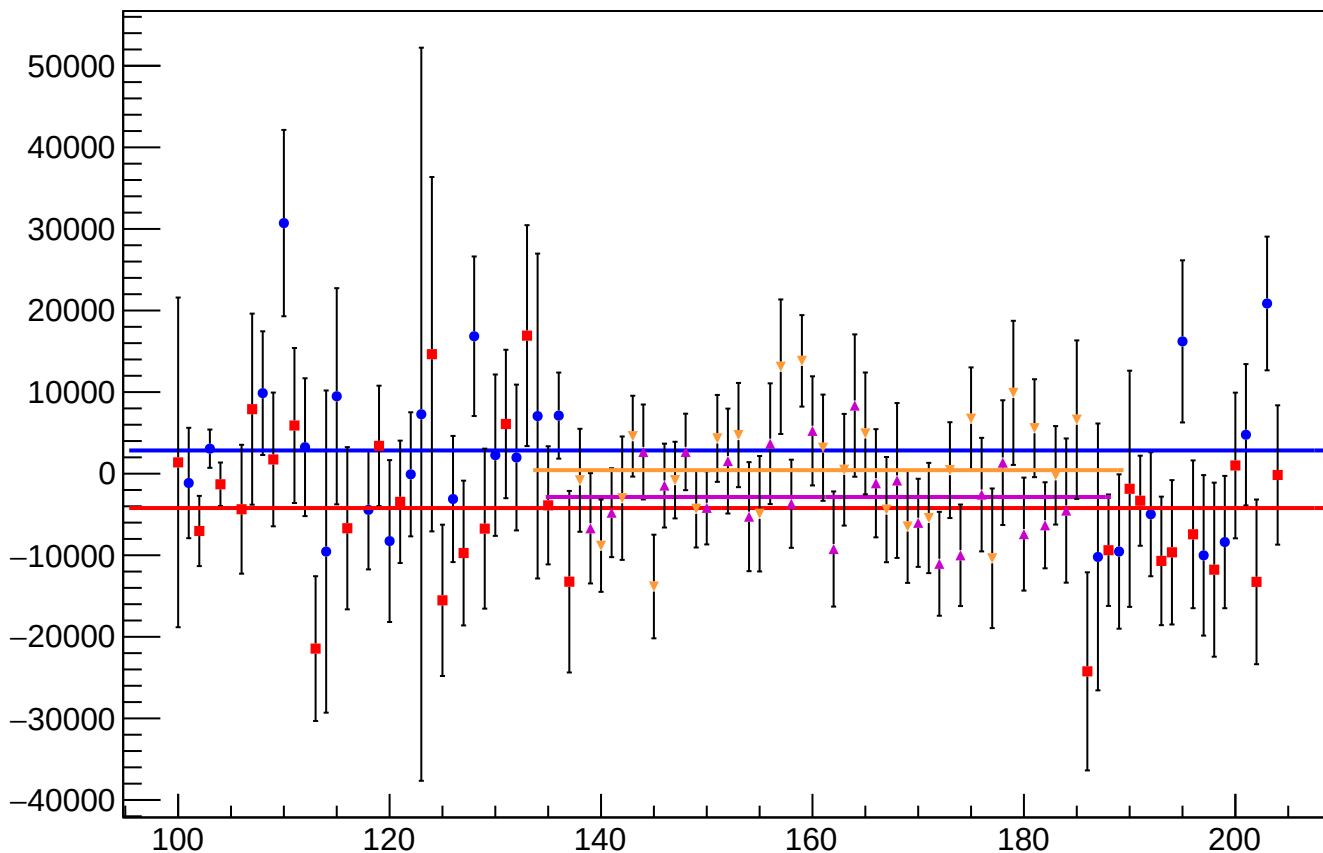
Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

+ sign 3327.987 $\pm$ 0.518 χ^2 /NDF: 19358035.0/49

All: 2761.626 $\pm$ 0.327 χ^2 /NDF: 51257963.6/1

- sign 2386.547 $\pm$ 0.422 χ^2 /NDF: 29912699.3/52

asym_atl1r2_avg_mean vs Slug



Right In: 2845.058 $\pm$ 1440.040 χ^2 /NDF: 27.3/24

Left Out: 430.860 $\pm$ 1258.273 χ^2 /NDF:27.1/24

Right Out: -4213.981 $\pm$ 1362.716 χ^2 /NDF: 22.8/29

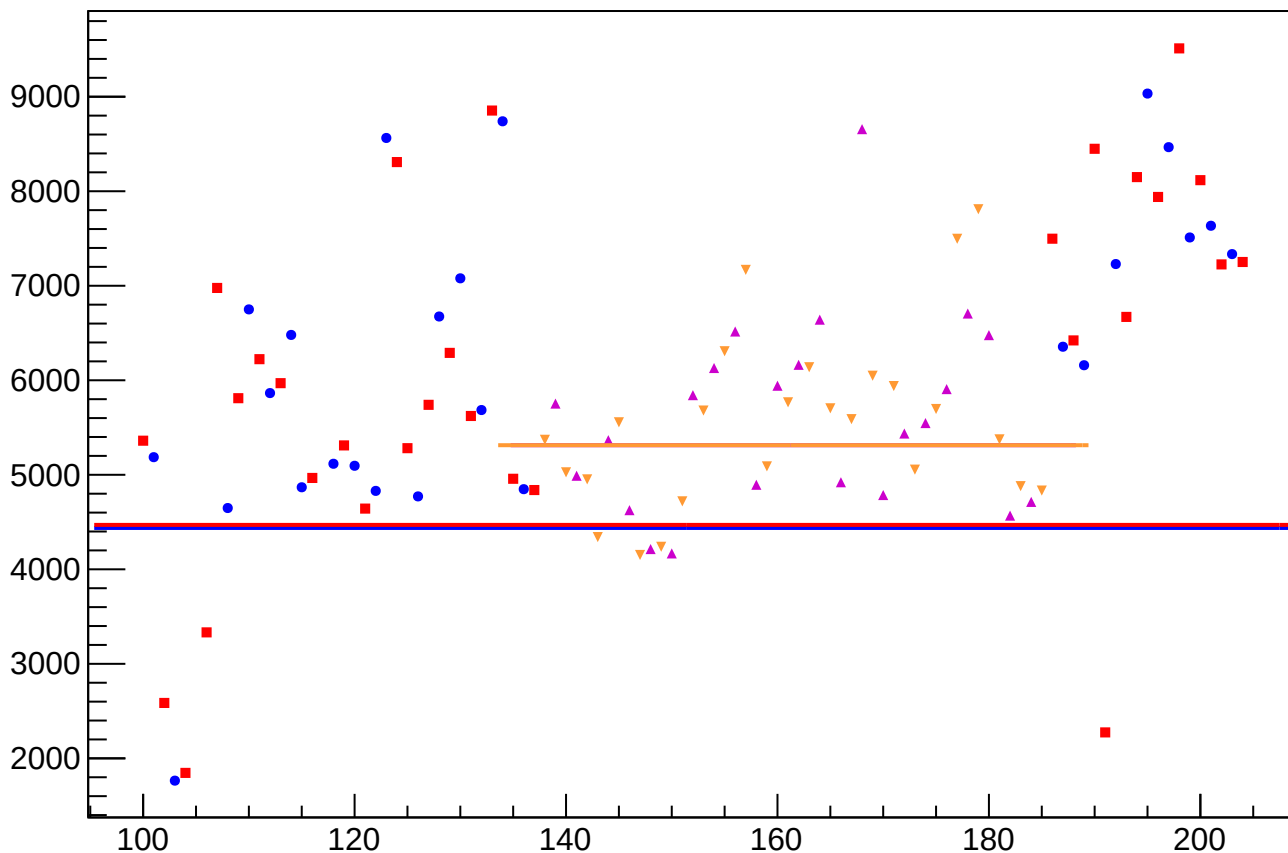
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1476.065 $\pm$ 947.521 χ^2 /NDF: 56.0/49

All: -1038.495 $\pm$ 666.503 χ^2 /NDF: 106.2/102

- sign -3501.253 $\pm$ 937.711 χ^2 /NDF: 36.2/52

asym_atl1r2_avg_rms vs Slug



Right In: 4437.663+/-1.018 χ^2/NDF : 5168358.4/24

Left Out: 5313.008+/-0.890 χ^2/NDF : 894369.8/24

Right Out: 4469.970+/-0.959 χ^2/NDF : 5812316.9/29

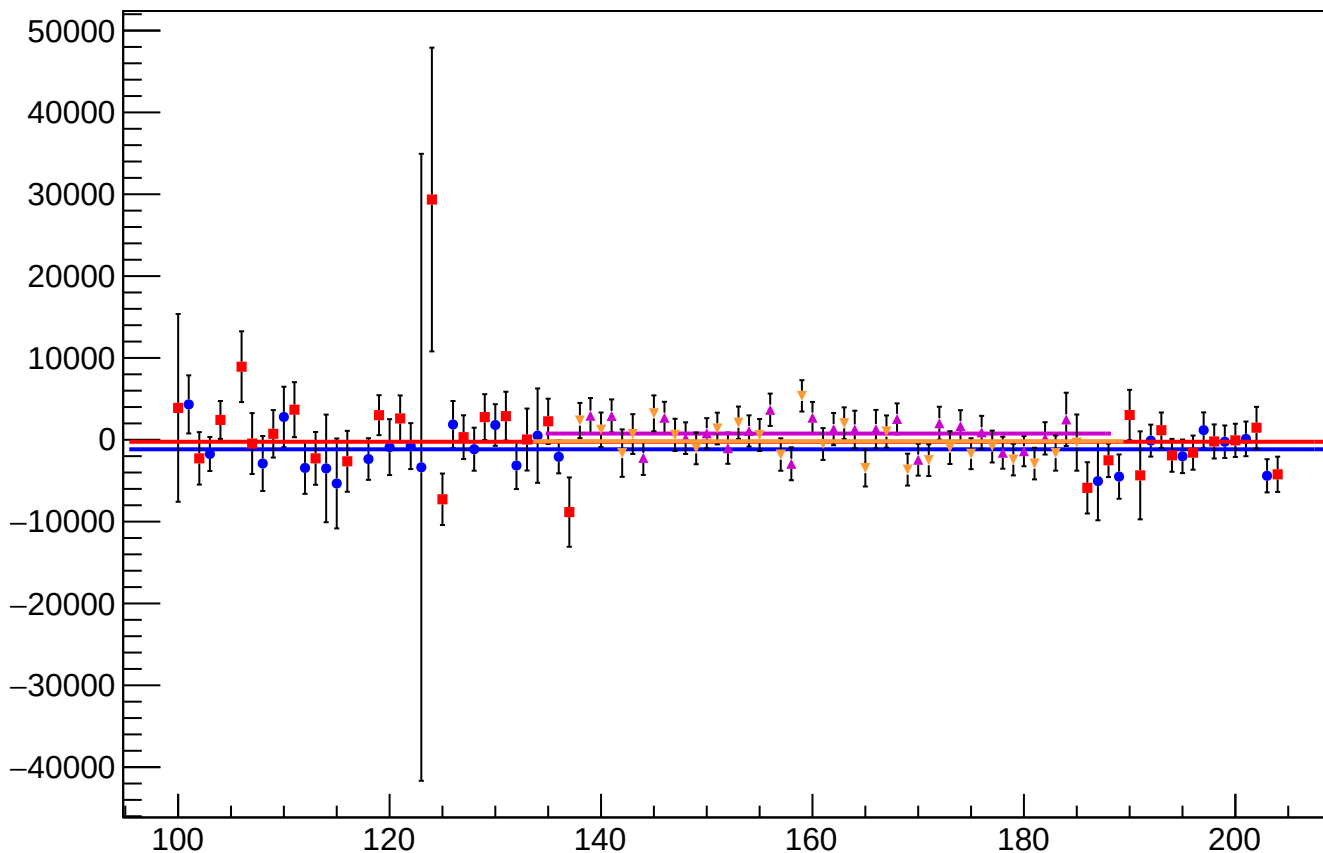
Left In: 5312.861+/-0.914 χ^2/NDF : 957400.7/22

+ sign 4934.035+/-0.670 χ^2/NDF : 6481779.9/49

All: 4922.739+/-0.471 χ^2/NDF : 13656958.0/1

- sign 4911.725+/-0.662 χ^2/NDF : 7174616.8/52

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1162.834 ± 540.310 χ^2/NDF : 15.5/24

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -242.811 ± 510.079 χ^2/NDF : 37.8/29

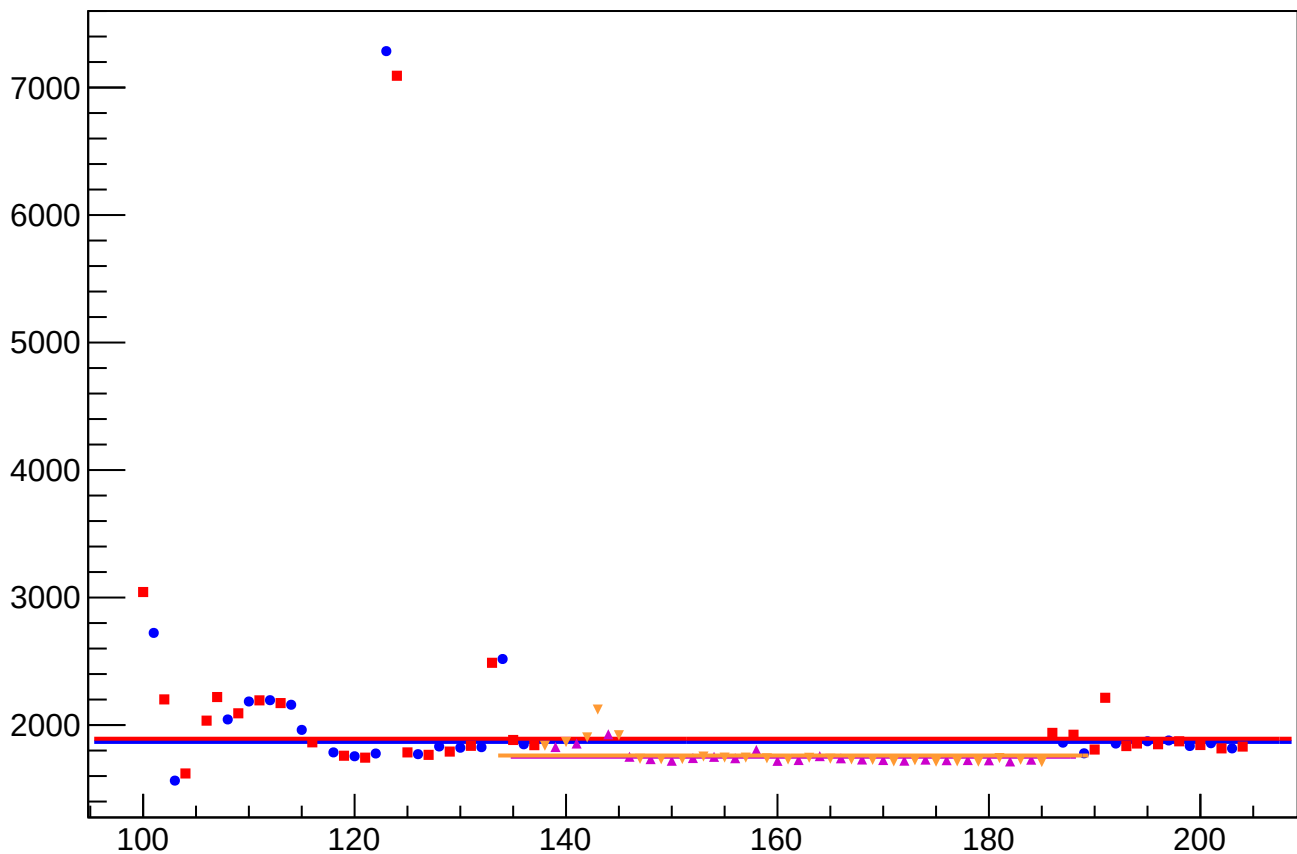
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -540.089 ± 327.104 χ^2/NDF : 46.9/49

All: -88.648 ± 230.259 χ^2/NDF : 111.0/102

- sign 354.778 ± 324.187 χ^2/NDF : 60.4/52

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1867.716+/-0.382 χ^2/NDF : 284678.3/24

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1892.729+/-0.360 χ^2/NDF : 370626.0/29

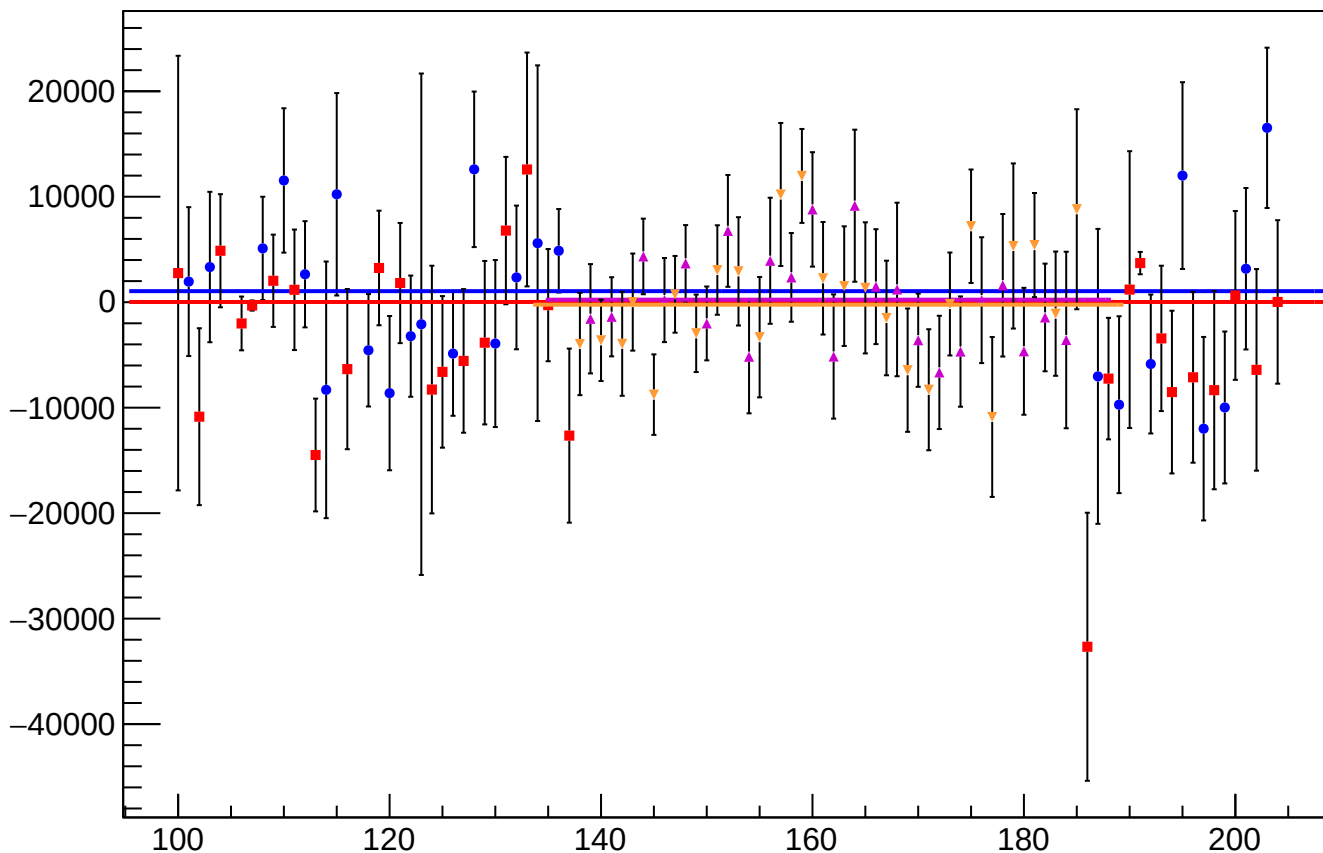
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1800.170+/-0.231 χ^2/NDF : 411487.7/49

All: 1804.399+/-0.163 χ^2/NDF : 902932.1/102

- sign 1808.550+/-0.229 χ^2/NDF : 490782.1/52

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1047.175+/-1386.880 χ^2/NDF : 26.5/24

Left Out: -235.806+/-1005.144 χ^2/NDF : 28.9/24

Right Out: 21.922+/-411.804 χ^2/NDF : 43.1/29

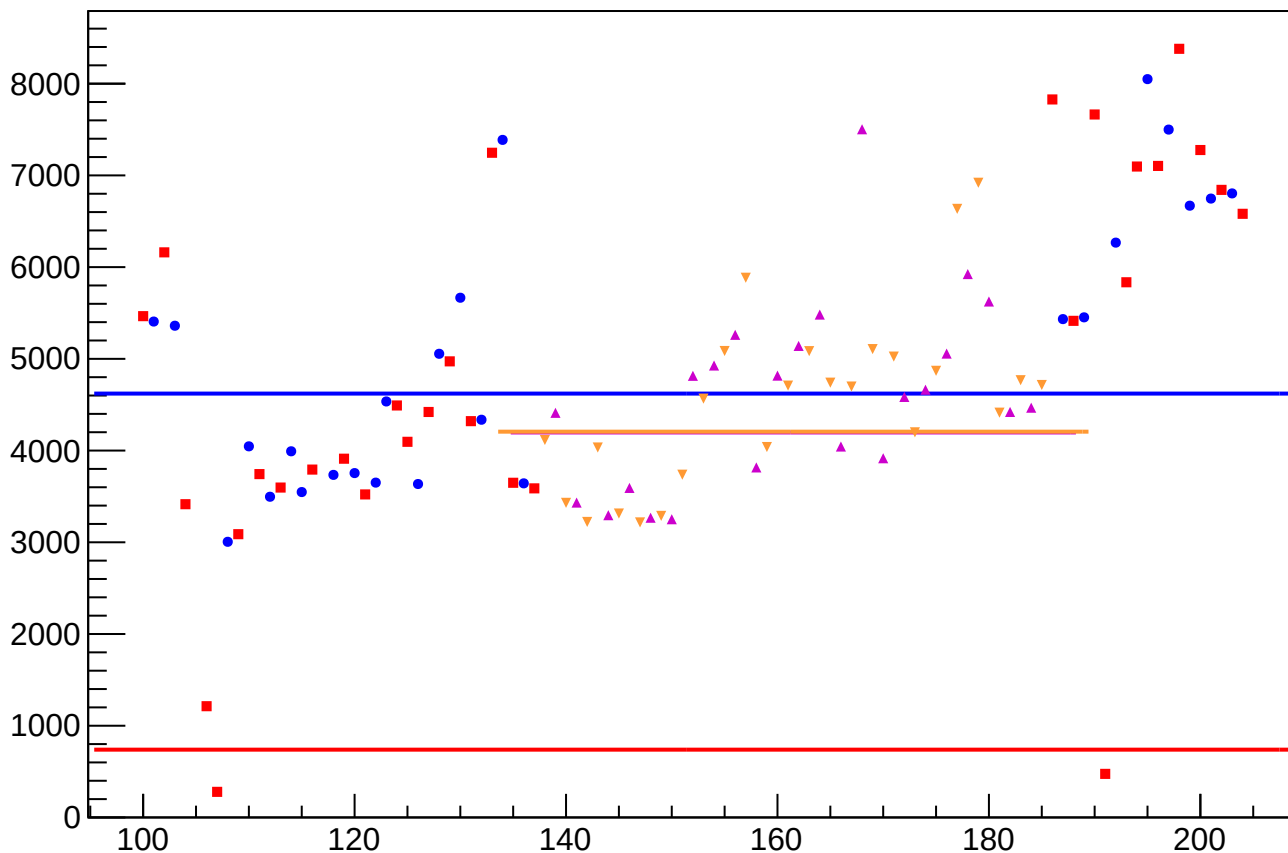
Left In: 239.224+/-1028.883 χ^2/NDF : 15.3/22

+ sign 206.022+/-813.871 χ^2/NDF : 56.0/49

All: 79.783+/-346.040 χ^2/NDF : 114.4/102

- sign 51.927+/-382.318 χ^2/NDF : 58.5/52

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4621.262+/-0.981 χ^2/NDF : 1977535.8/24

Left Out: 4206.076+/-0.711 χ^2/NDF : 1442269.3/24

Right Out: 739.208+/-0.291 χ^2/NDF : 21306475.3/29

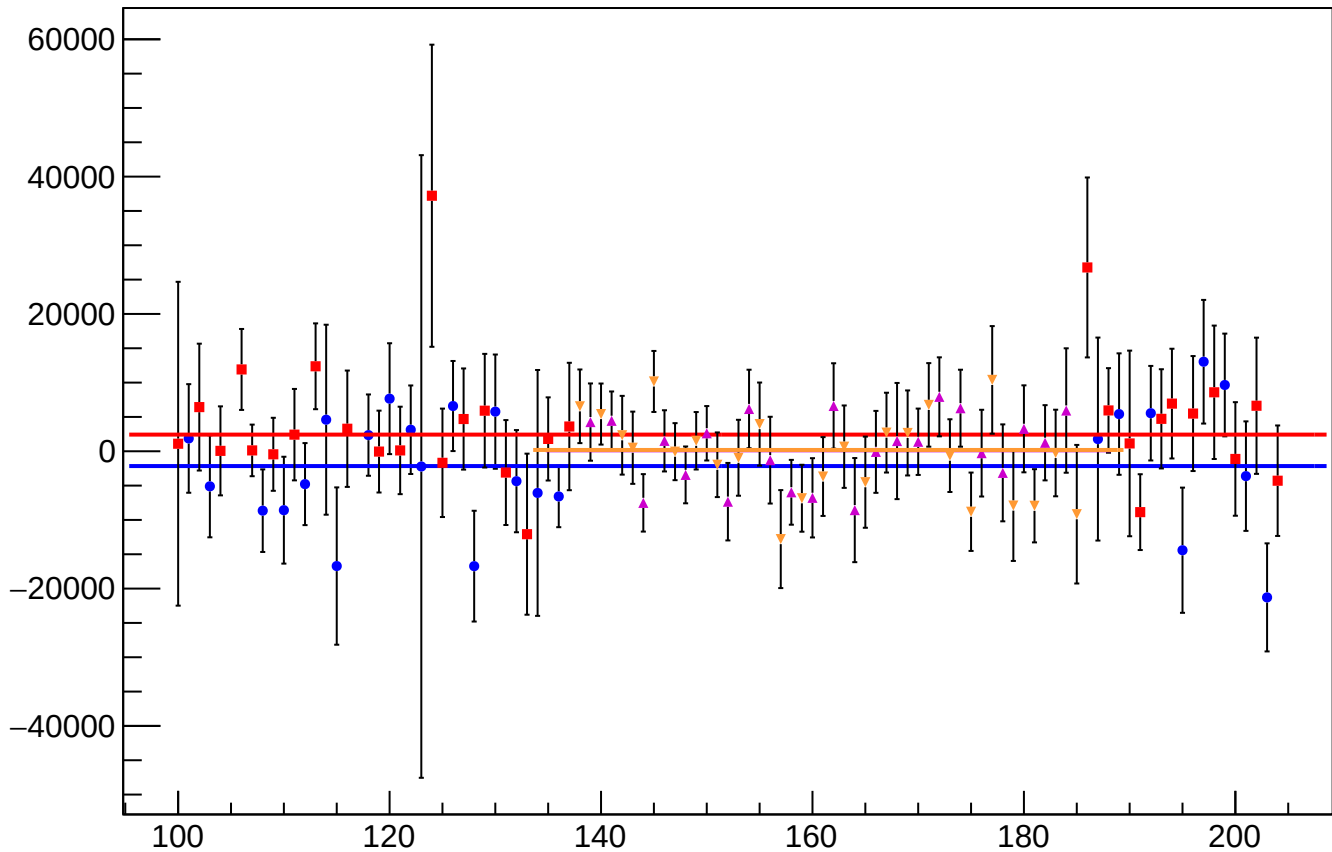
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4349.056+/-0.575 χ^2/NDF : 3537320.1/49

All: 1782.941+/-0.245 χ^2/NDF : 70057718.4/1

- sign 1216.682+/-0.270 χ^2/NDF : 42250445.6/52

asym_atl1r2_dd_mean vs Slug



Right In: -2155.801 ± 1535.400 χ^2/NDF : 29.2/24

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2425.948 ± 1322.223 χ^2/NDF : 21.5/29

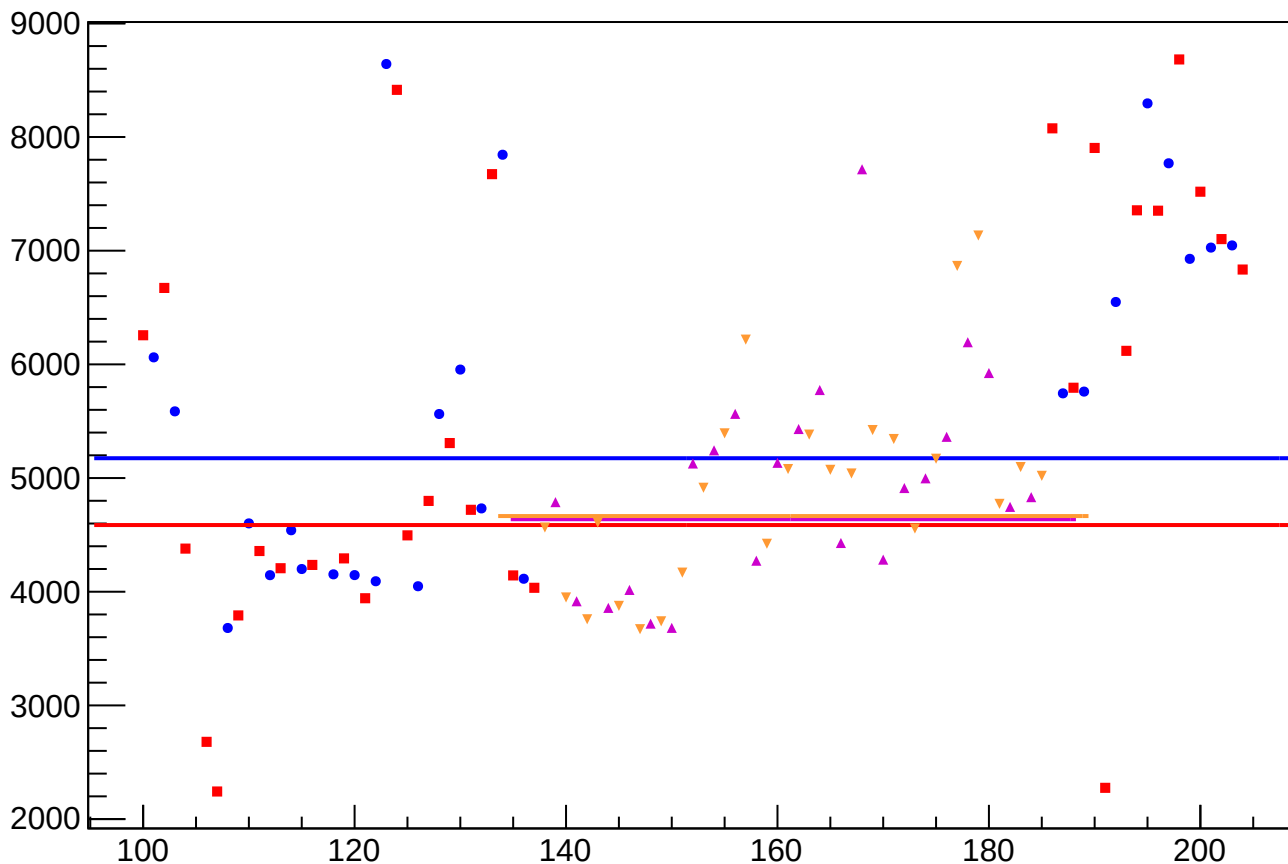
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -612.370 ± 897.870 χ^2/NDF : 55.8/49

All: 283.412 ± 620.645 χ^2/NDF : 99.5/102

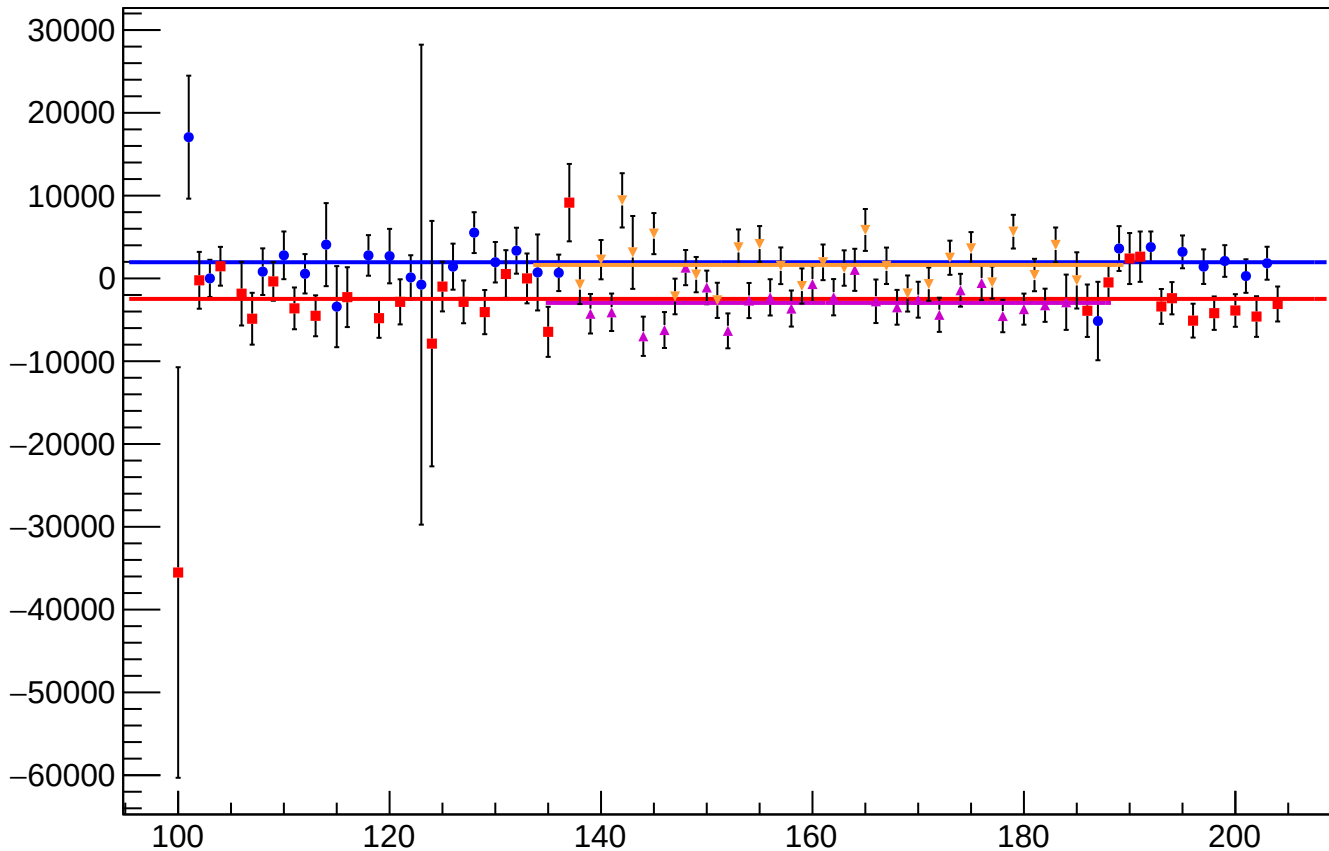
- sign 1103.081 ± 858.878 χ^2/NDF : 41.9/52

asym_atl1r2_dd_rms vs Slug



Right In: 5174.405+/-1.086	χ^2/NDF : 1471121.7/24	+ sign 4839.607+/-0.635	χ^2/NDF : 2632868.7/49
Left Out: 4665.620+/-0.783	χ^2/NDF : 1017235.0/24	All: 4722.664+/-0.438	χ^2/NDF : 7351449.6/10
Right Out: 4586.590+/-0.931	χ^2/NDF : 3586768.0/29	- sign 4616.066+/-0.606	χ^2/NDF : 4653726.9/52
Left In: 4637.777+/-0.799	χ^2/NDF : 1065217.2/22		

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1955.871+/-521.156 χ^2/NDF : 15.0/24

Left Out: 1630.035+/-447.063 χ^2/NDF : 35.4/24

Right Out: -2474.386+/-482.091 χ^2/NDF : 29.2/29

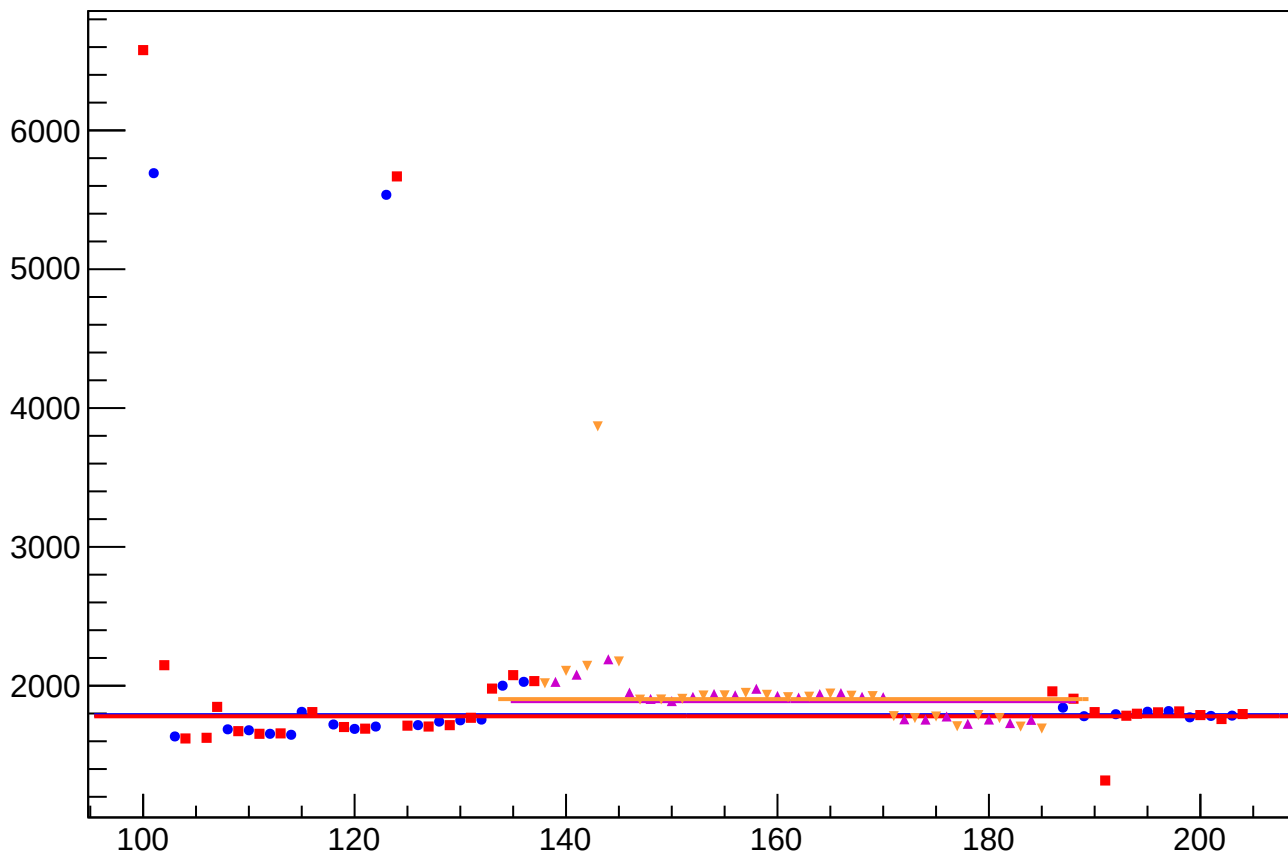
Left In: -2958.620+/-453.688 χ^2/NDF : 20.4/22

+ sign 1768.164+/-339.321 χ^2/NDF : 50.7/49

All: -541.495+/-236.716 χ^2/NDF : 191.0/102

- sign -2731.187+/-330.391 χ^2/NDF : 50.1/52

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1788.312 $\pm$ 0.369 χ^2 /NDF: 645877.7/24

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1779.723 $\pm$ 0.340 χ^2 /NDF: 368840.6/29

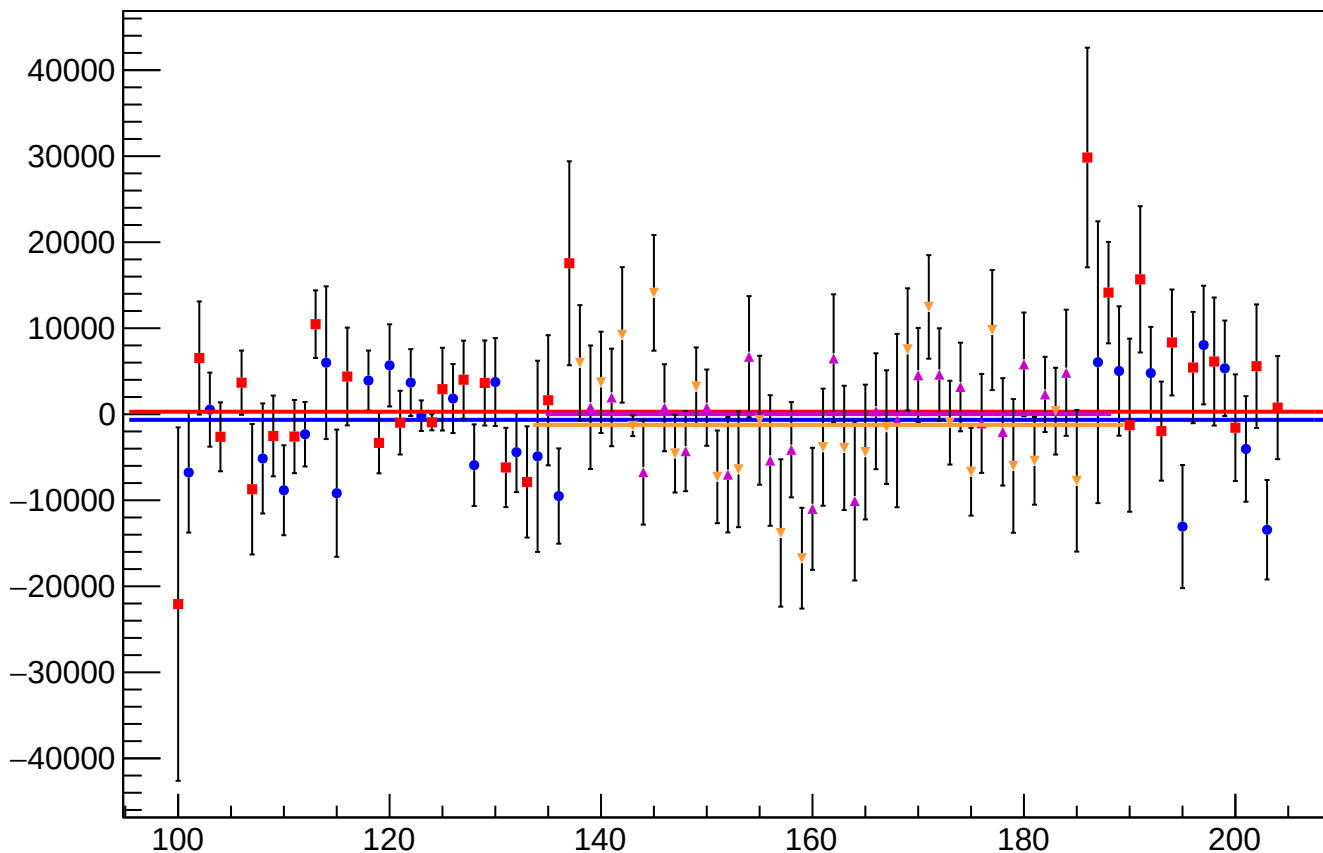
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1854.738 $\pm$ 0.240 χ^2 /NDF: 1243853.5/49

All: 1845.850 $\pm$ 0.167 χ^2 /NDF: 1796401.7/10

- sign 1837.450 $\pm$ 0.233 χ^2 /NDF: 549879.2/52

asym_atr1l2_avg_correction_mean vs Slug



Right In: -651.633+/-926.881 χ^2/NDF : 29.1/24

Left Out: -1239.833+/-865.201 χ^2/NDF : 33.9/24

Right Out: 293.423+/-685.470 χ^2/NDF : 40.8/29

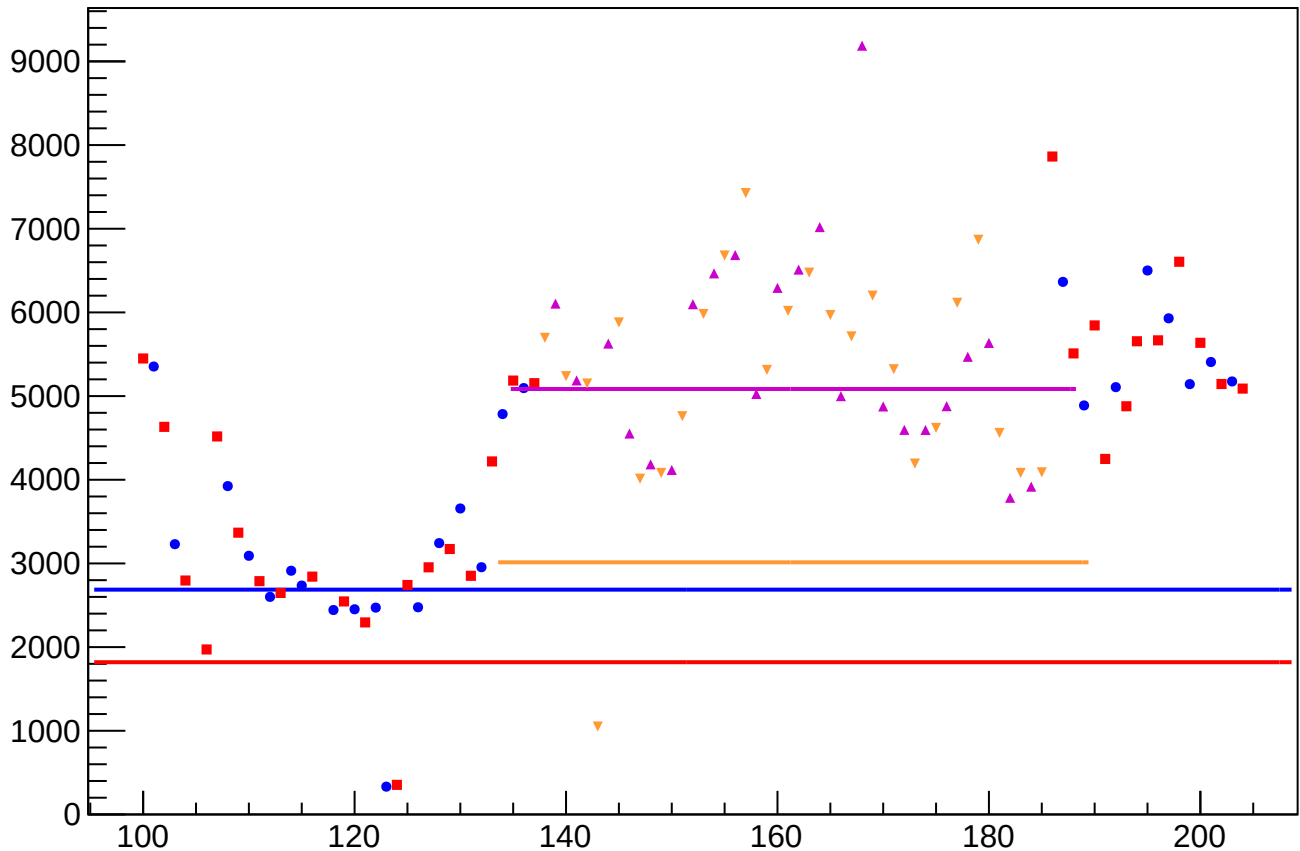
Left In: 15.863+/-1243.317 χ^2/NDF : 13.2/22

+ sign -965.953+/-632.472 χ^2/NDF : 63.2/49

All: -337.443+/-435.400 χ^2/NDF : 119.2/102

- sign 228.723+/-600.284 χ^2/NDF : 54.1/52

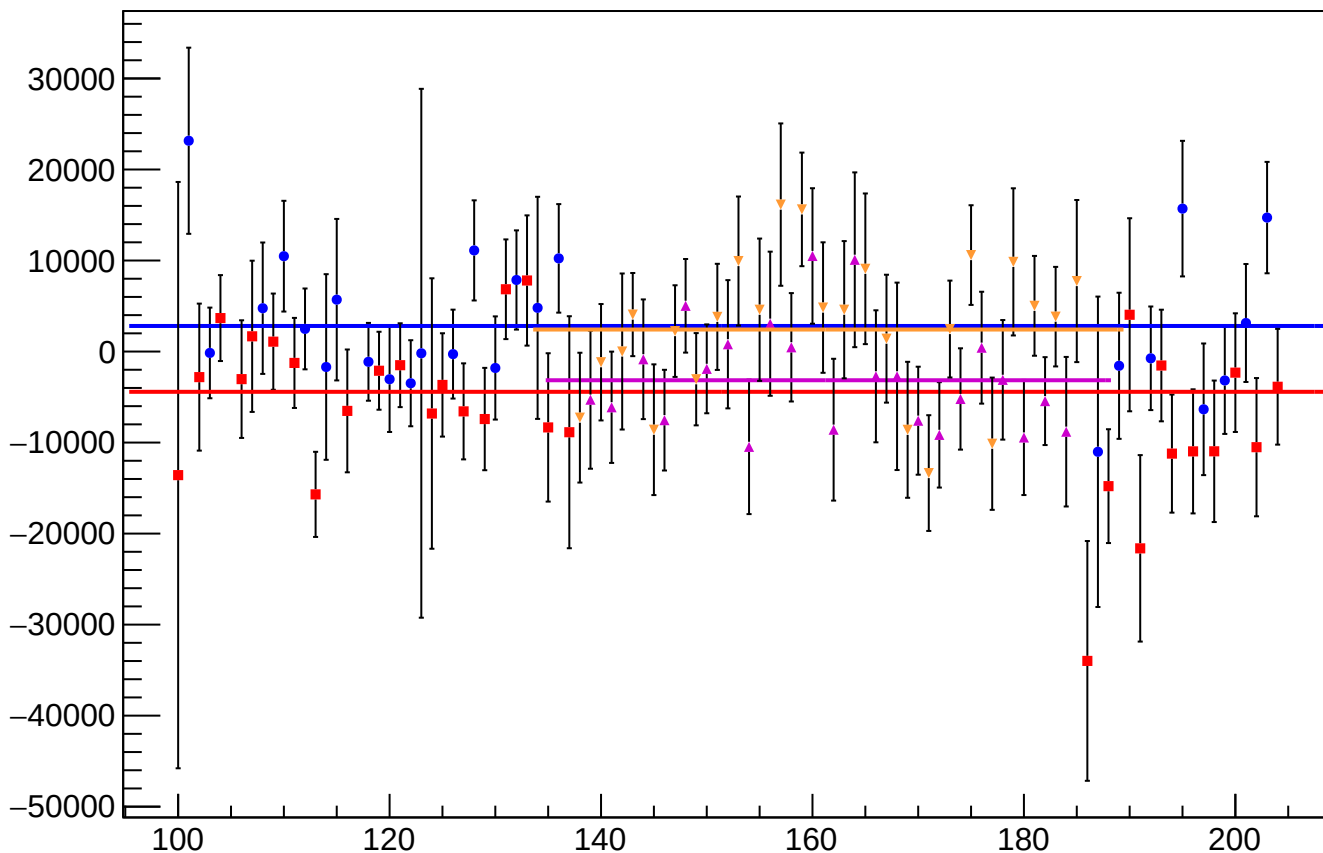
asym_atr1l2_avg_correction_rms vs Slug



Right In: 2686.815 $\pm$ 0.655 χ^2 /NDF: 7345368.4/24
 Left Out: 3013.268 $\pm$ 0.612 χ^2 /NDF:12270753.9/24
 Right Out: 1819.609 $\pm$ 0.485 χ^2 /NDF: 13959307.4/29
 Left In: 5084.645 $\pm$ 0.879 χ^2 /NDF:1303587.7/22

+ sign 2861.264 $\pm$ 0.447 χ^2 /NDF: 19748700.5/49
 All: 2713.663 $\pm$ 0.308 χ^2 /NDF: 45796025.3/1
 - sign 2580.702 $\pm$ 0.424 χ^2 /NDF: 25840278.8/52

asym_atr1l2_avg_mean vs Slug



Right In: 2809.627 $\pm$ 1249.291 χ^2 /NDF: 26.5/24

Left Out: 2417.210 $\pm$ 1286.482 χ^2 /NDF:29.9/24

Right Out: -4423.573 $\pm$ 1173.078 χ^2 /NDF: 34.7/29

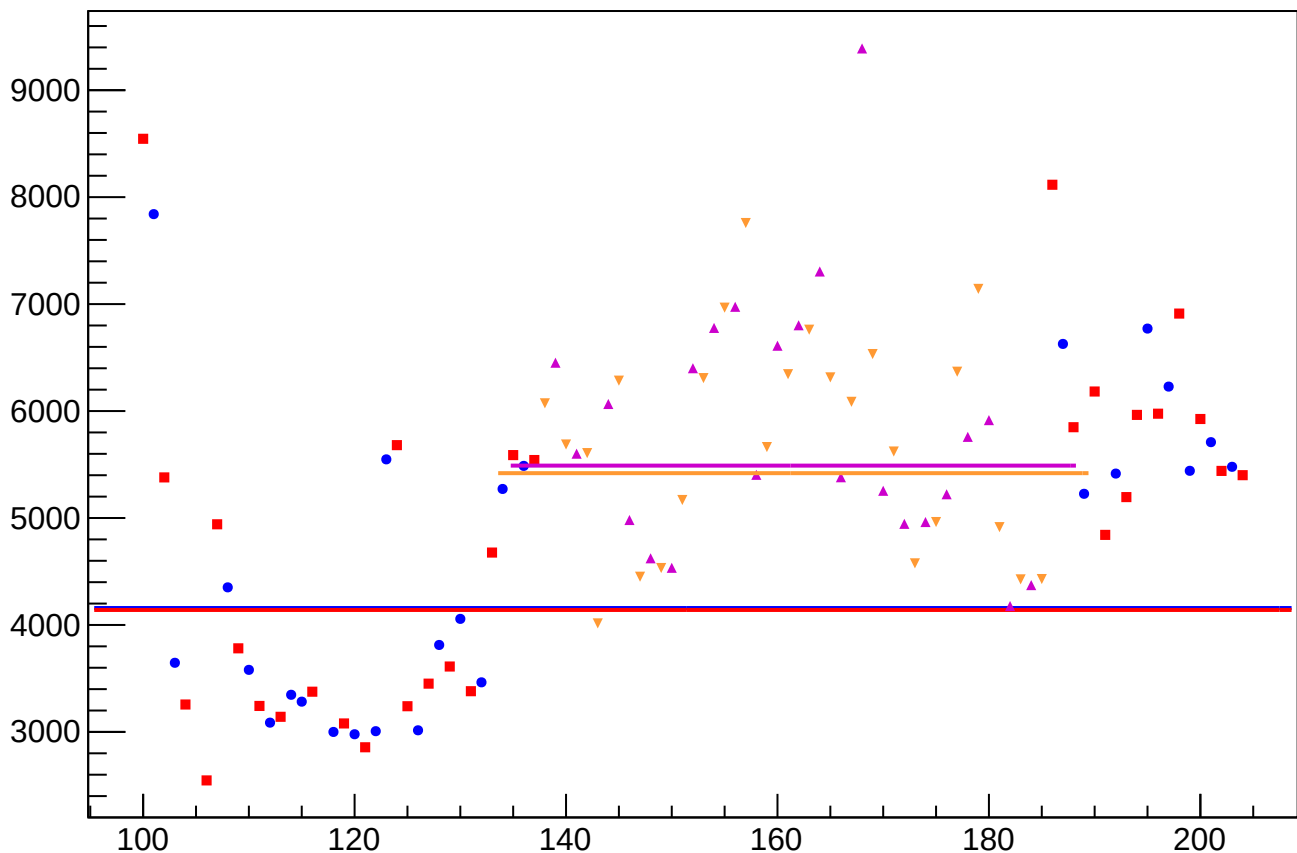
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

+ sign 2619.173 $\pm$ 896.242 χ^2 /NDF: 56.4/49

All: -678.433 $\pm$ 628.604 χ^2 /NDF: 133.8/102

- sign -3871.281 $\pm$ 881.892 χ^2 /NDF: 50.7/52

asym_atr1l2_avg_rms vs Slug



Right In: 4158.330+/-0.883 χ^2/NDF : 1956639.4/24

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 4140.329+/-0.821 χ^2/NDF : 2420463.8/29

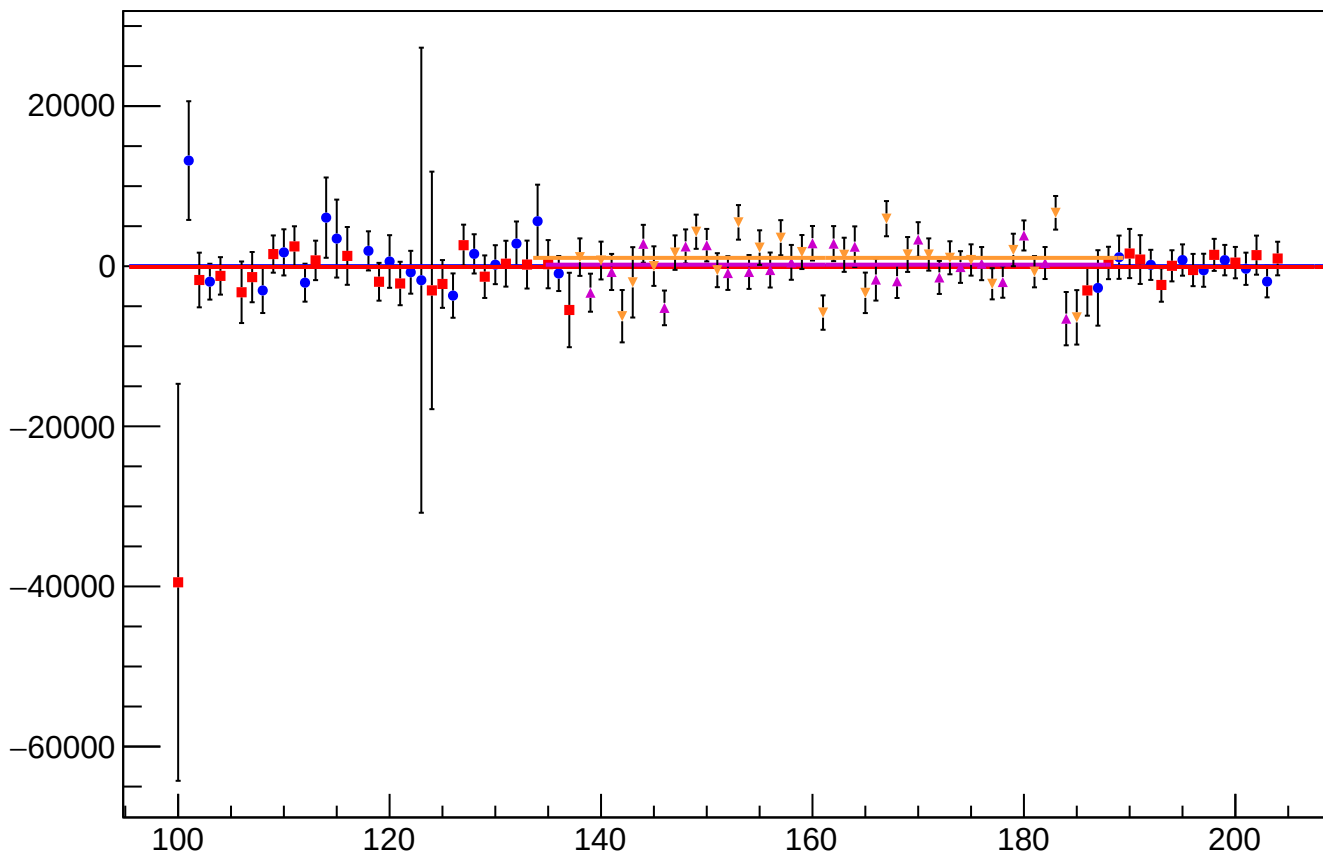
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4770.324+/-0.634 χ^2/NDF : 4055530.8/49

All: 4744.829+/-0.443 χ^2/NDF : 8704691.2/100

- sign 4720.427+/-0.620 χ^2/NDF : 4645992.8/52

reg_asym_atr1l2_dd_mean vs Slug



Right In: 9.063 ± 518.552 χ^2/NDF : 15.6/24

Left Out: 1041.262 ± 446.249 χ^2/NDF : 48.6/24

Right Out: -96.985 ± 479.900 χ^2/NDF : 13.8/29

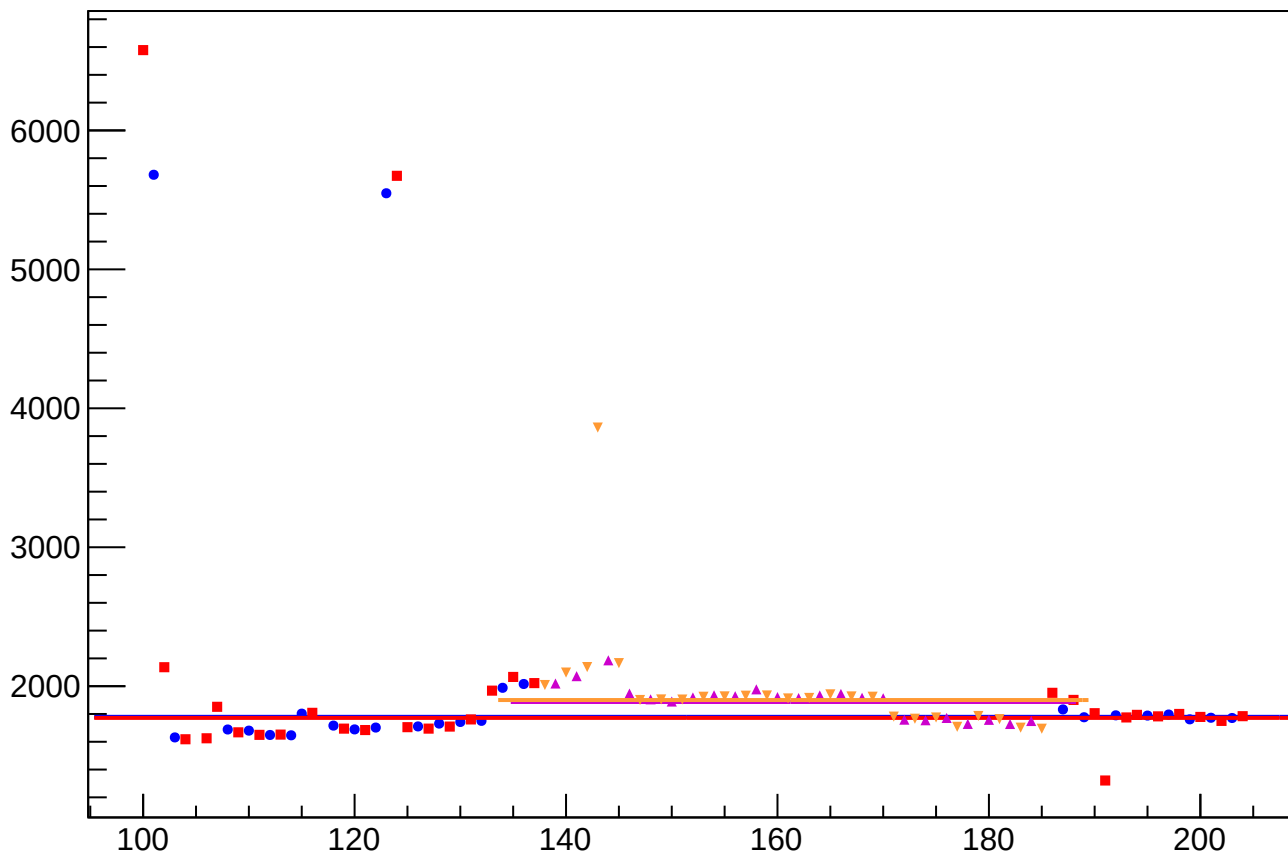
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 602.084 ± 338.245 χ^2/NDF : 66.5/49

All: 321.739 ± 236.000 χ^2/NDF : 111.8/102

- sign 55.798 ± 329.440 χ^2/NDF : 44.0/52

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1779.482 $\pm$ 0.367 χ^2 /NDF: 643722.6/24

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1771.858 $\pm$ 0.338 χ^2 /NDF: 365480.7/29

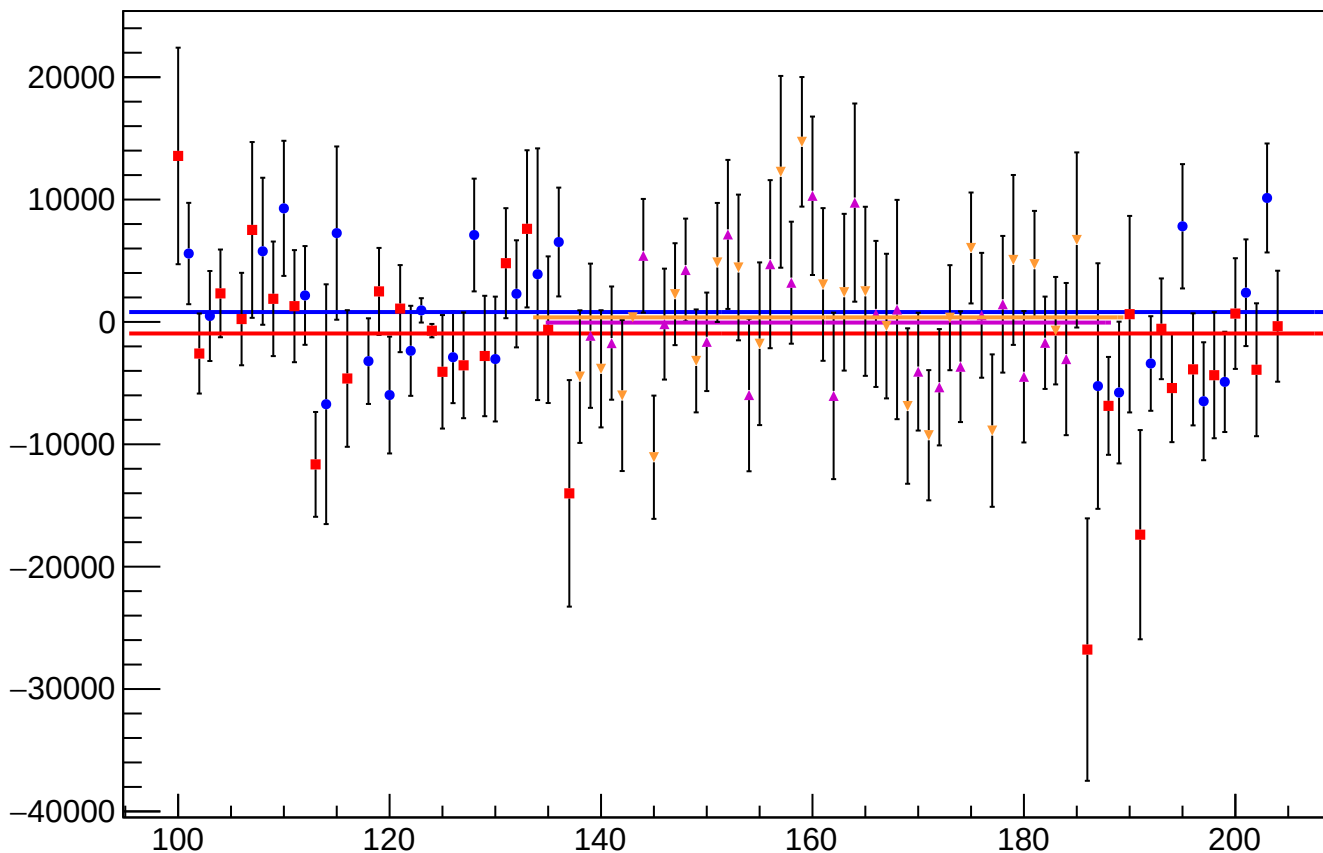
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1848.892 $\pm$ 0.239 χ^2 /NDF: 1243985.0/49

All: 1840.321 $\pm$ 0.167 χ^2 /NDF: 1795920.7/10

- sign 1832.217 $\pm$ 0.233 χ^2 /NDF: 549437.4/52

asym_atr1l2_dd_correction_mean vs Slug



Right In: 807.731 ± 687.902 $\chi^2/\text{NDF}: 28.8/24$

Left Out: 373.277 ± 382.071 $\chi^2/\text{NDF}: 30.8/24$

Right Out: -944.255 ± 465.154 $\chi^2/\text{NDF}: 34.4/29$

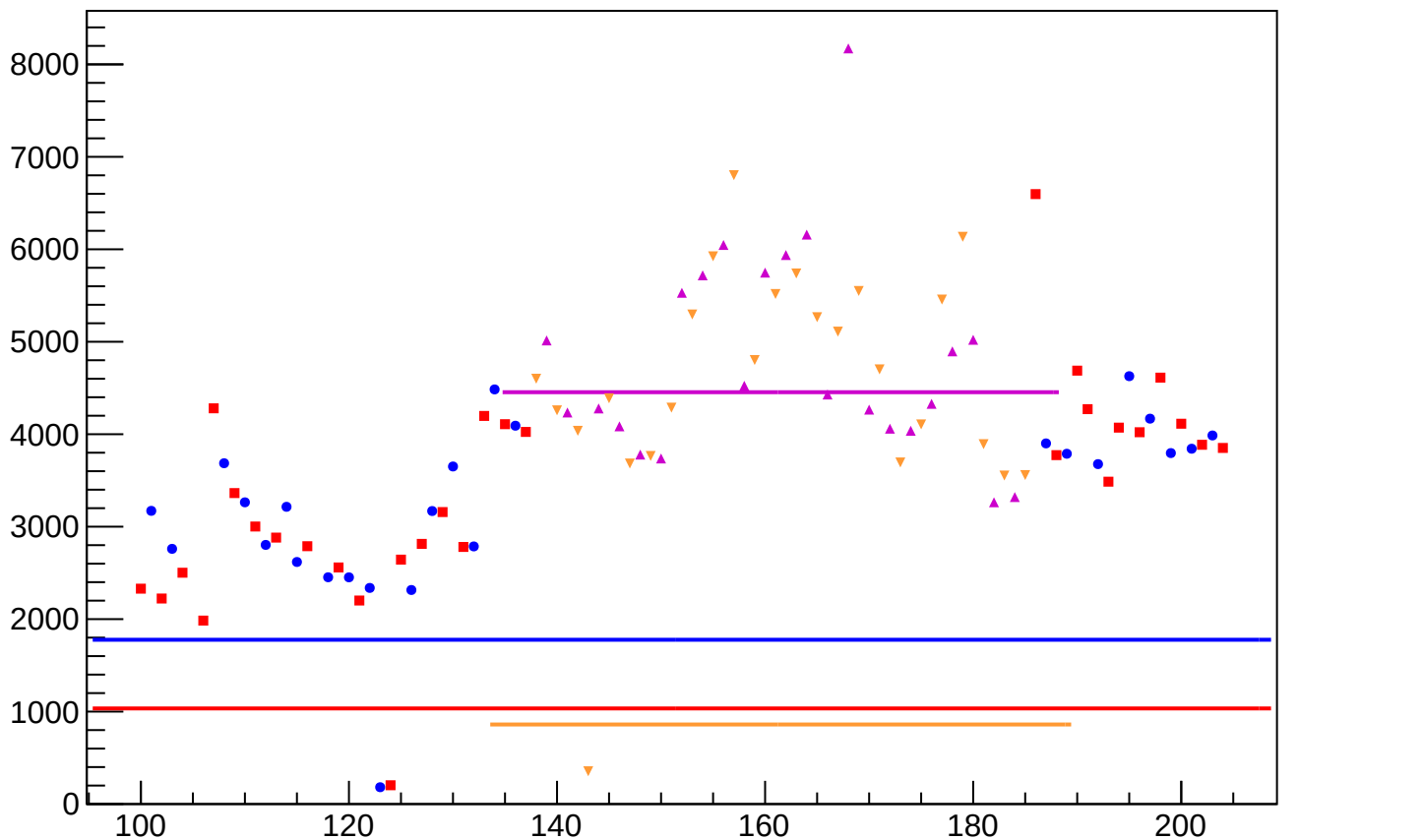
Left In: -53.099 ± 1089.888 $\chi^2/\text{NDF}: 14.5/22$

+ sign 475.703 ± 334.010 $\chi^2/\text{NDF}: 59.9/49$

All: -10.038 ± 263.275 $\chi^2/\text{NDF}: 115.0/102$

- sign -806.942 ± 427.820 $\chi^2/\text{NDF}: 49.5/52$

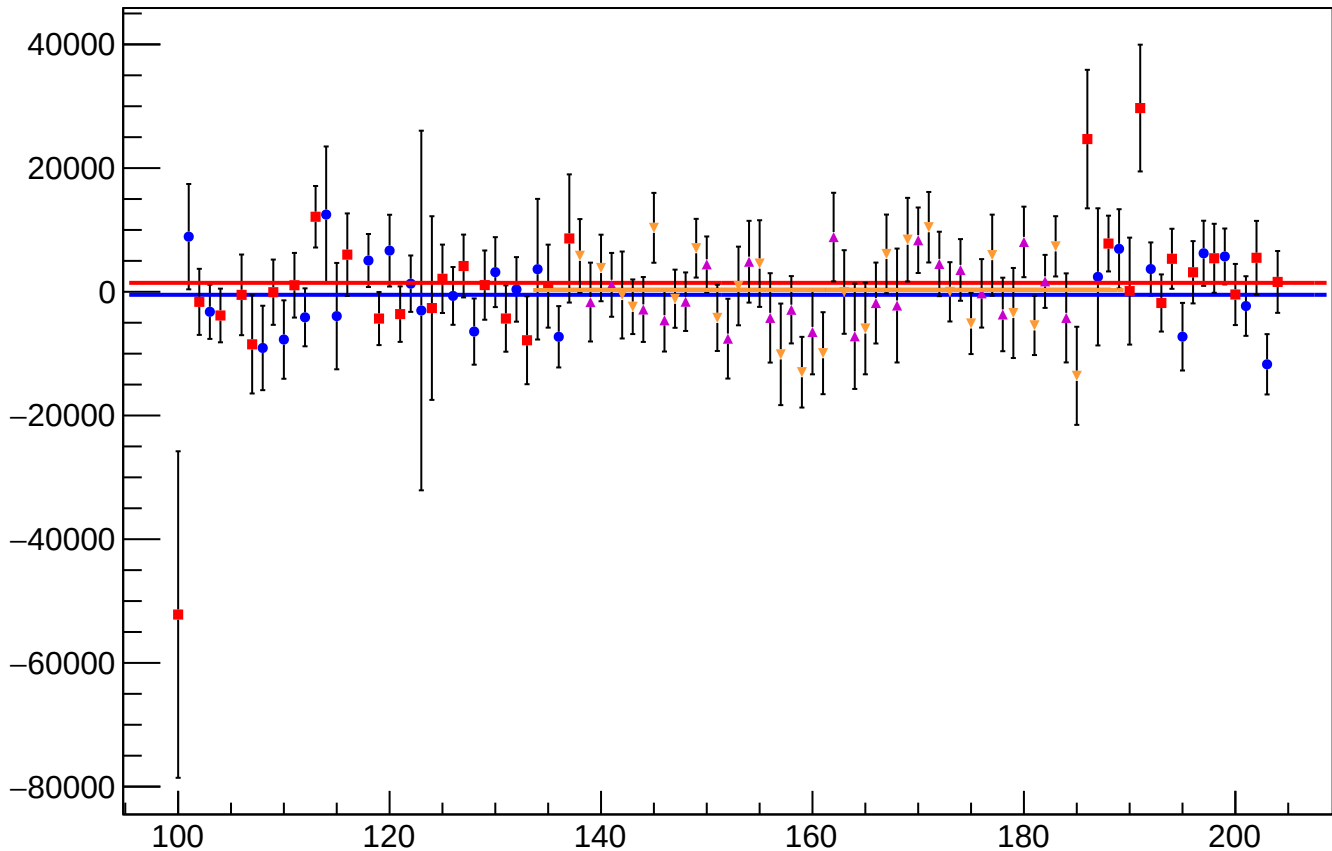
asym_atr1l2_dd_correction_rms vs Slug



Right In: 1776.940 $\pm$ 0.486 χ^2 /NDF: 10858162.2/24
 Left Out: 860.545 $\pm$ 0.270 χ^2 /NDF: 26340106.5/24
 Right Out: 1034.092 $\pm$ 0.329 χ^2 /NDF: 18161151.4/29
 Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

+ sign 1076.593 $\pm$ 0.236 χ^2 /NDF: 39910787.6/49
 All: 1260.080 $\pm$ 0.186 χ^2 /NDF: 77677354.3/100
 - sign 1561.108 $\pm$ 0.303 χ^2 /NDF: 36172807.3/52

asym_atr1l2_dd_mean vs Slug



Right In: -485.013 ± 1117.811 χ^2/NDF : 26.5/24

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 1448.194 ± 1046.881 χ^2/NDF : 35.9/29

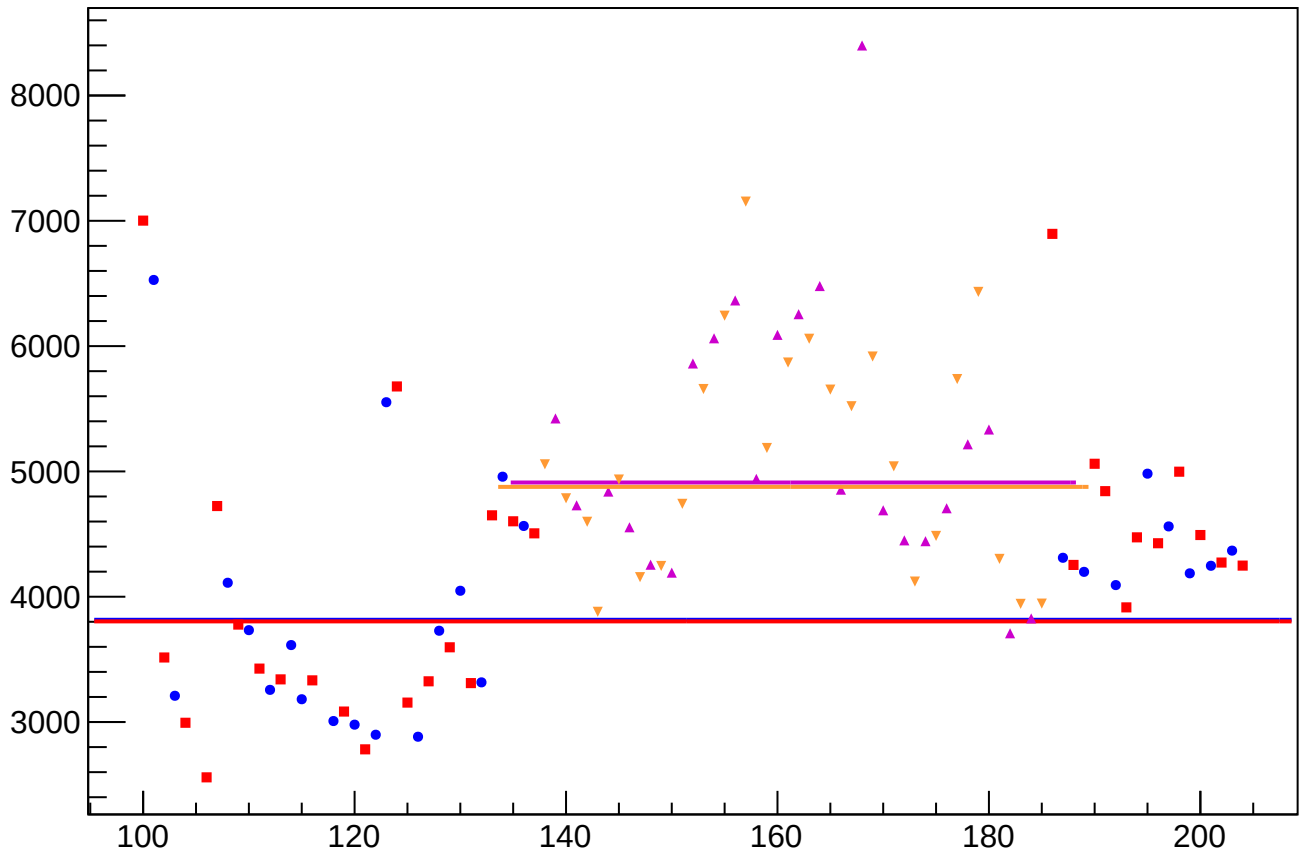
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign -111.046 ± 803.378 χ^2/NDF : 59.2/49

All: 437.145 ± 562.463 χ^2/NDF : 111.1/102

- sign 964.198 ± 787.737 χ^2/NDF : 51.0/52

asym_atr1l2_dd_rms vs Slug



Right In: 3815.911+/-0.790 χ^2/NDF : 859589.8/24

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

+ sign 4328.693+/-0.568 χ^2/NDF : 2702686.4/49

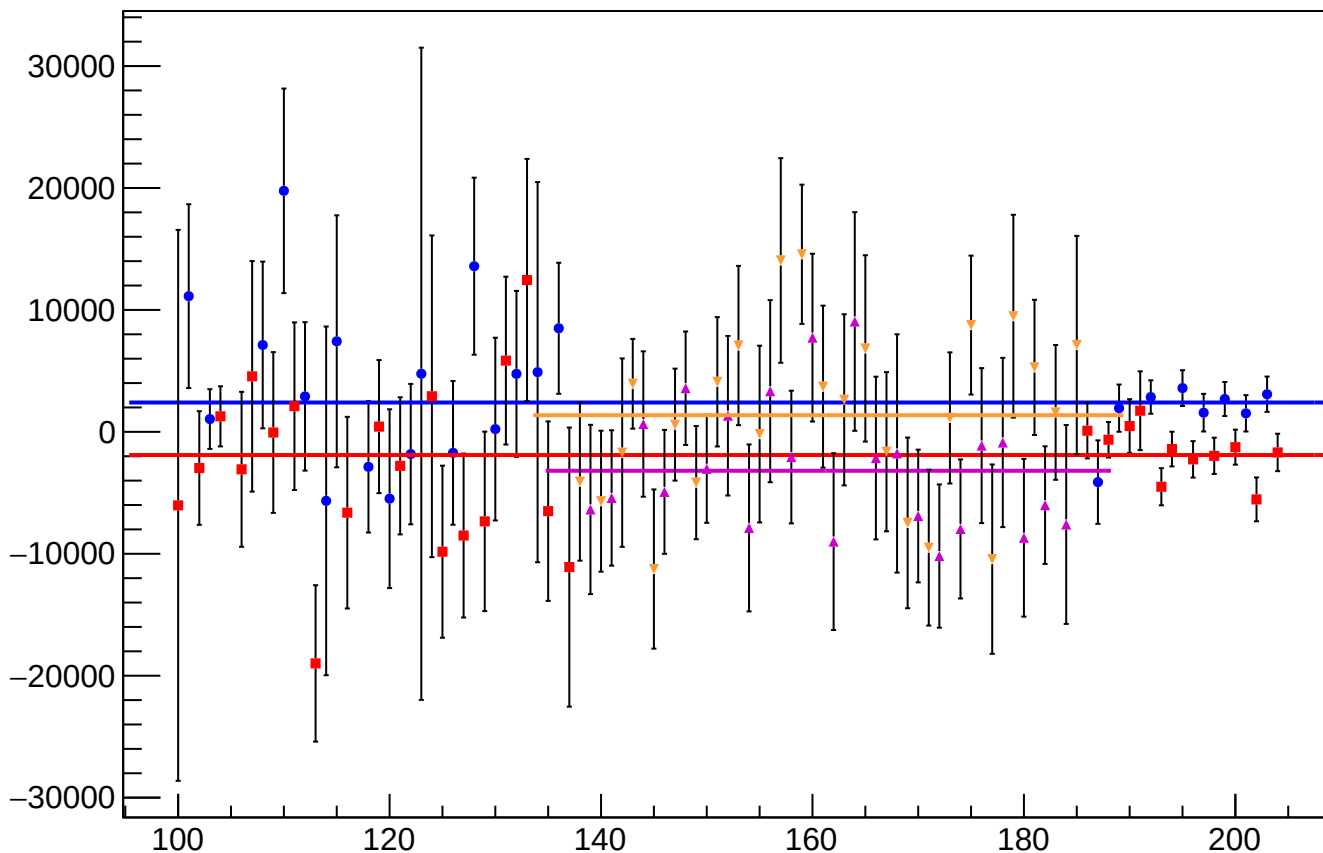
Right Out: 3803.174+/-0.734 χ^2/NDF : 1075226.6/29

All: 4303.538+/-0.397 χ^2/NDF : 5804267.0/10

- sign 4279.575+/-0.554 χ^2/NDF : 3097752.0/52

Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2406.626 $\pm$ 521.216 χ^2 /NDF: 19.4/24

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -1901.530 $\pm$ 469.741 χ^2 /NDF: 29.0/29

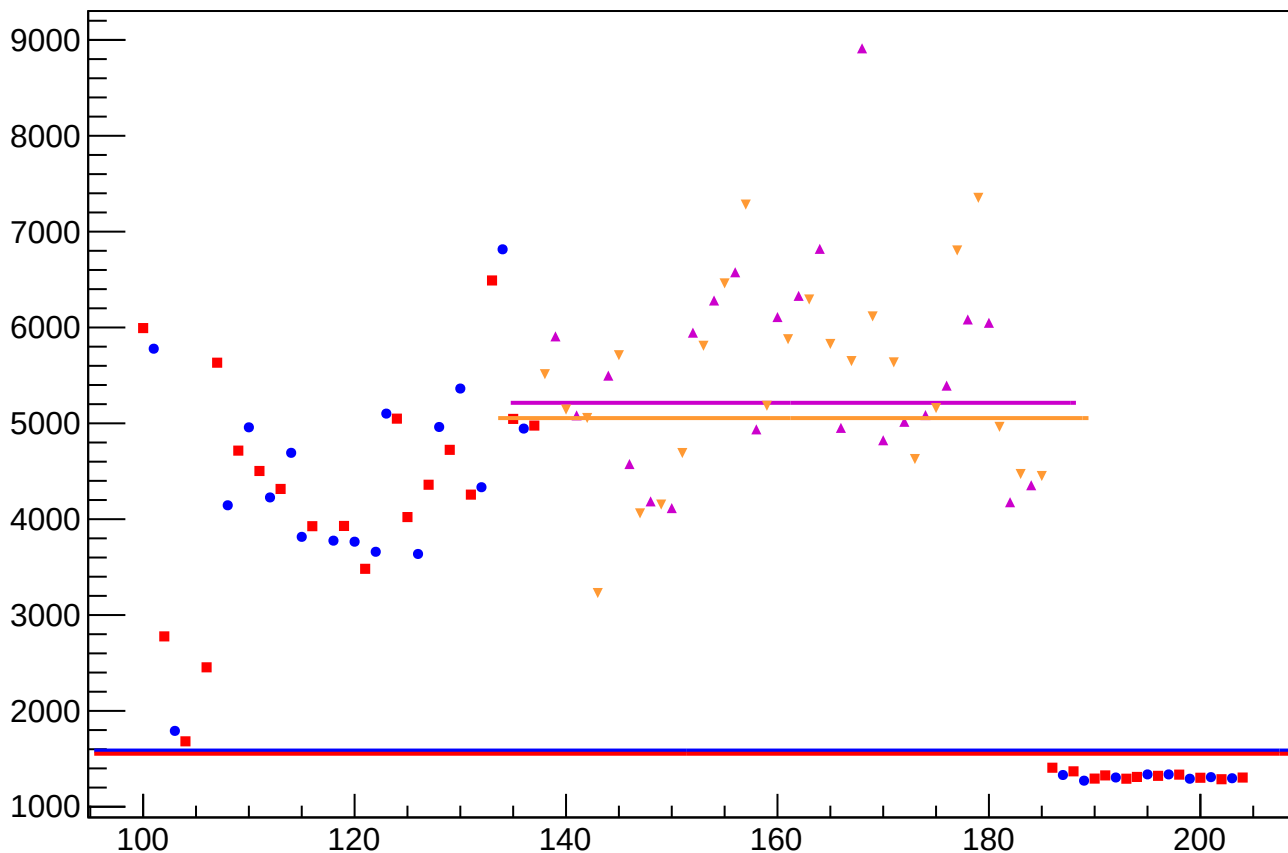
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 2242.762 $\pm$ 478.461 χ^2 /NDF: 48.0/49

All: -83.942 $\pm$ 324.099 χ^2 /NDF: 135.5/102

- sign -2056.724 $\pm$ 440.571 χ^2 /NDF: 43.9/52

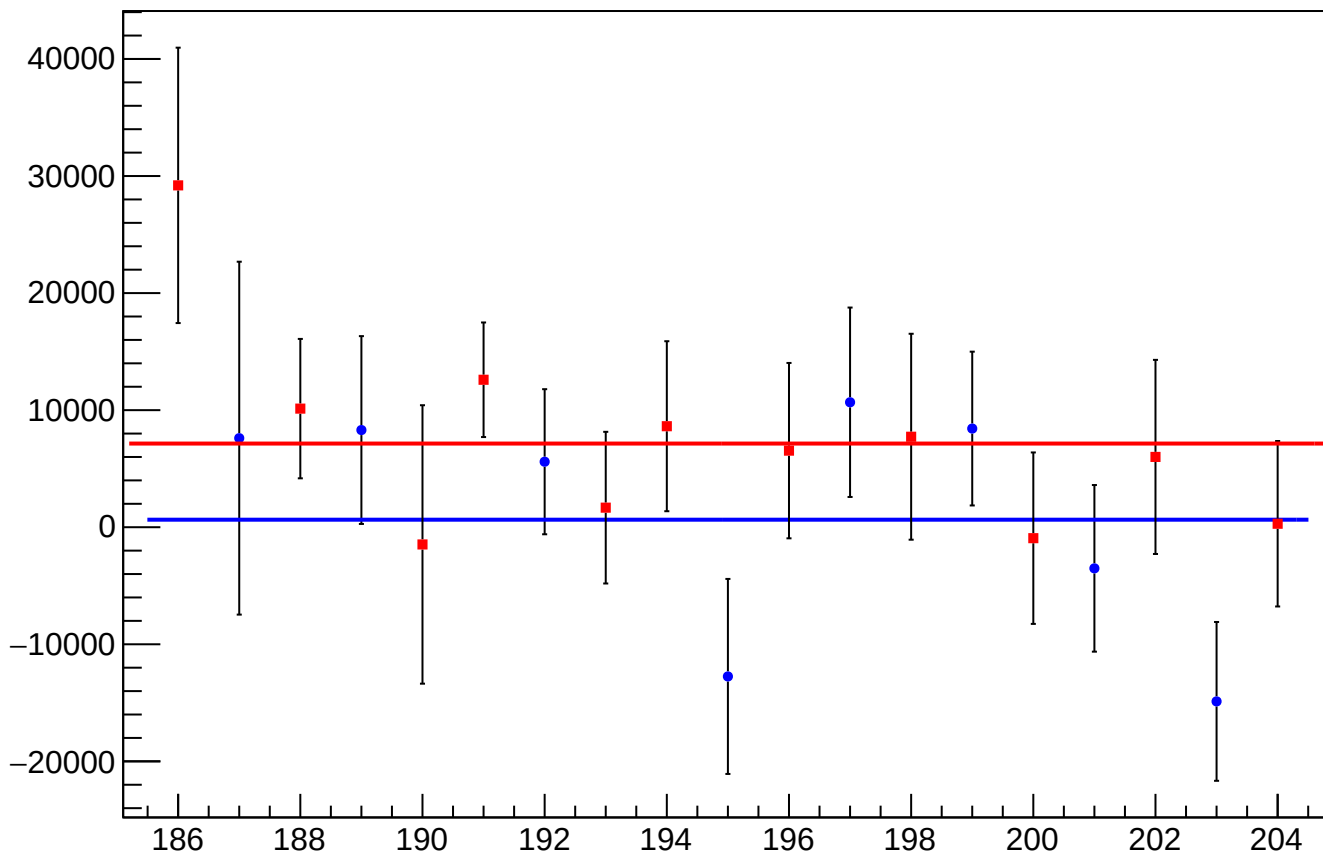
reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1586.298 $\pm$ 0.369 χ^2 /NDF: 5611357.6/24
 Left Out: 5054.711 $\pm$ 0.853 χ^2 /NDF: 1437224.7/24
 Right Out: 1553.034 $\pm$ 0.332 χ^2 /NDF: 5624793.2/29
 Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF: 1052501.5/22

+ sign 2131.974 $\pm$ 0.338 χ^2 /NDF: 20982178.3/49
 All: 2056.583 $\pm$ 0.229 χ^2 /NDF: 42374764.1/100
 - sign 1992.780 $\pm$ 0.311 χ^2 /NDF: 21300904.9/52

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 642.282+/-2669.617 χ^2/NDF : 12.9/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 7146.811+/-2176.904 χ^2/NDF : 8.5/10

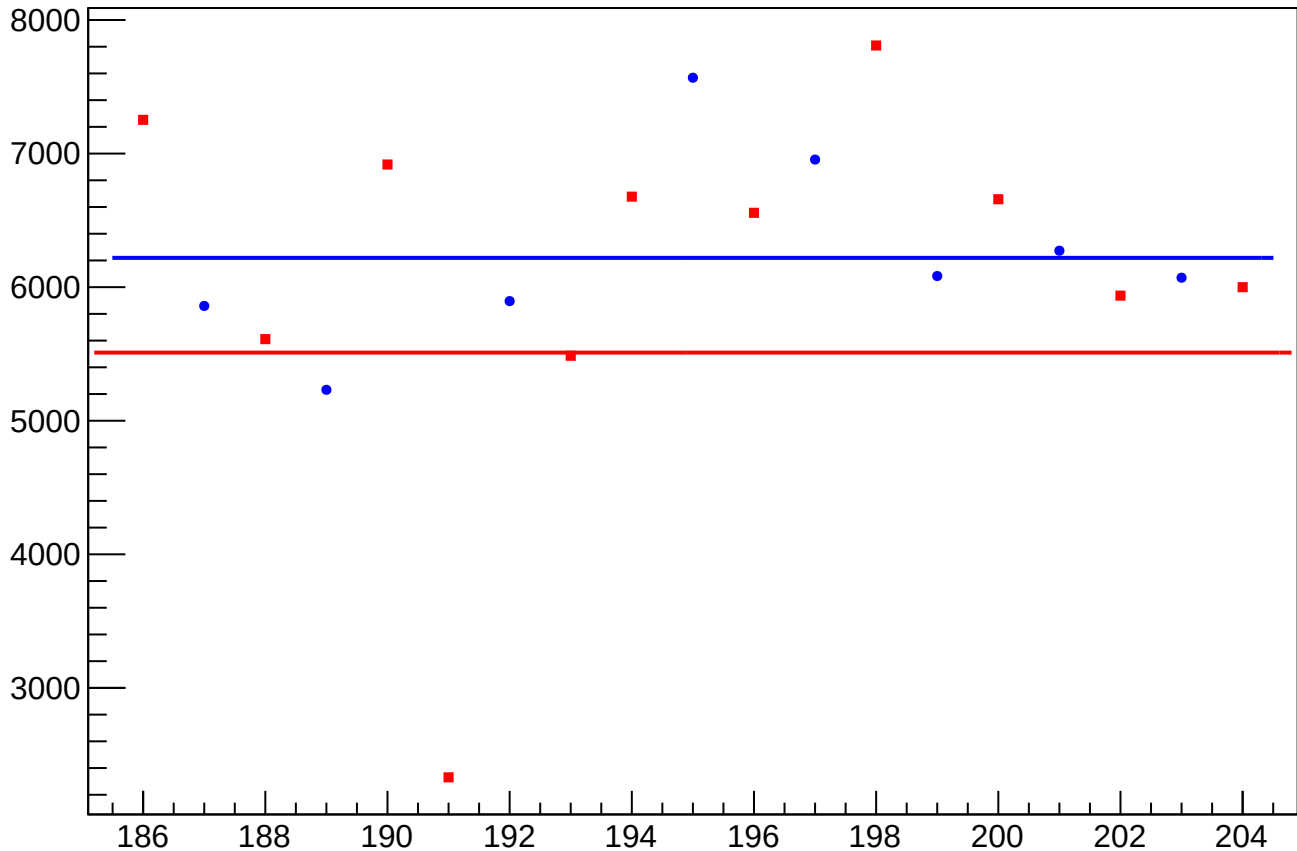
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4549.053+/-1687.098 χ^2/NDF : 24.9/18

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 6219.323+/-1.888 χ^2/NDF : 107797.6/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

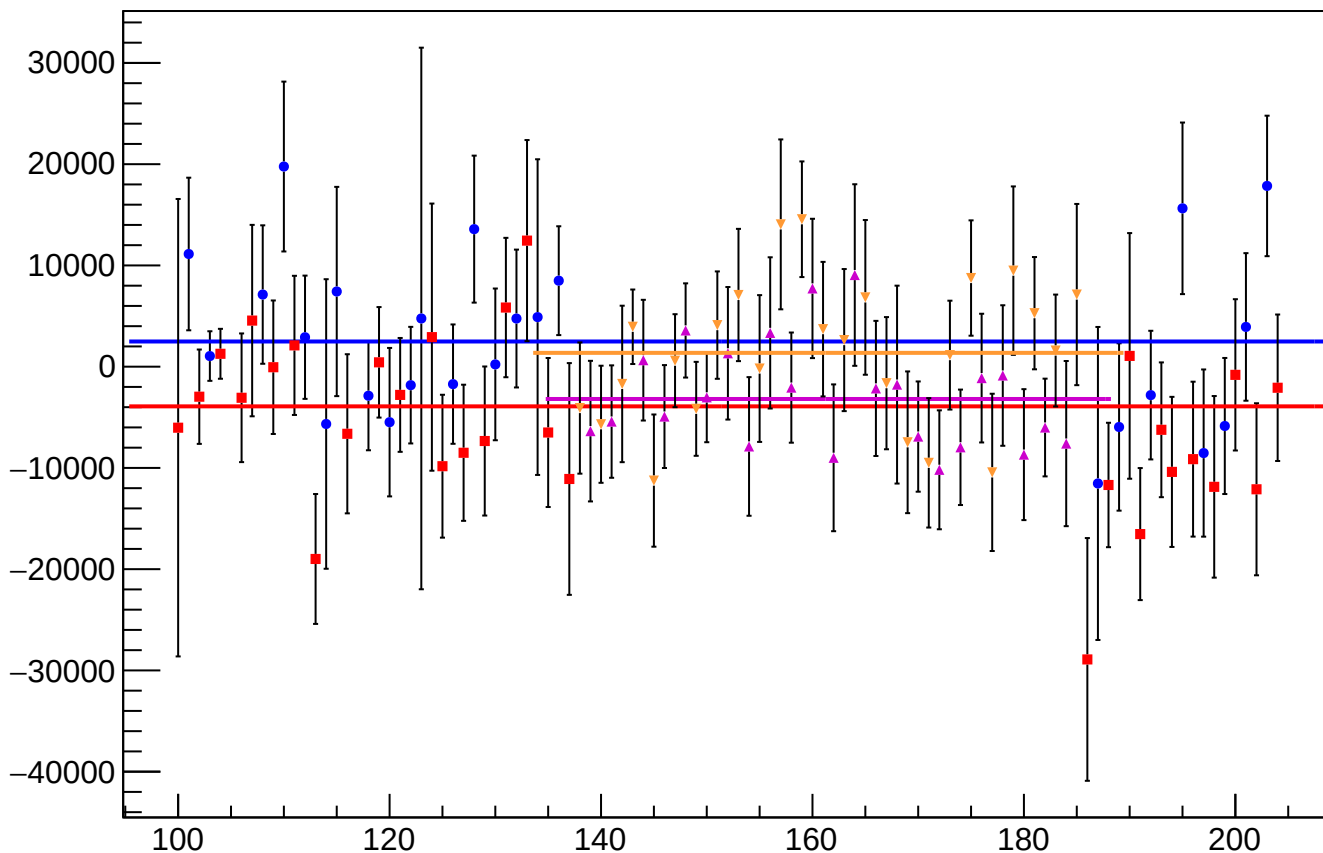
Right Out: 5510.136+/-1.539 χ^2/NDF : 1208200.1/10

All: 5793.368+/-1.193 χ^2/NDF : 1400770.4/18

- 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: 2487.894 $\pm$ 1284.906 χ^2 /NDF: 27.2/24

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -3919.315 $\pm$ 1189.242 χ^2 /NDF: 32.8/29

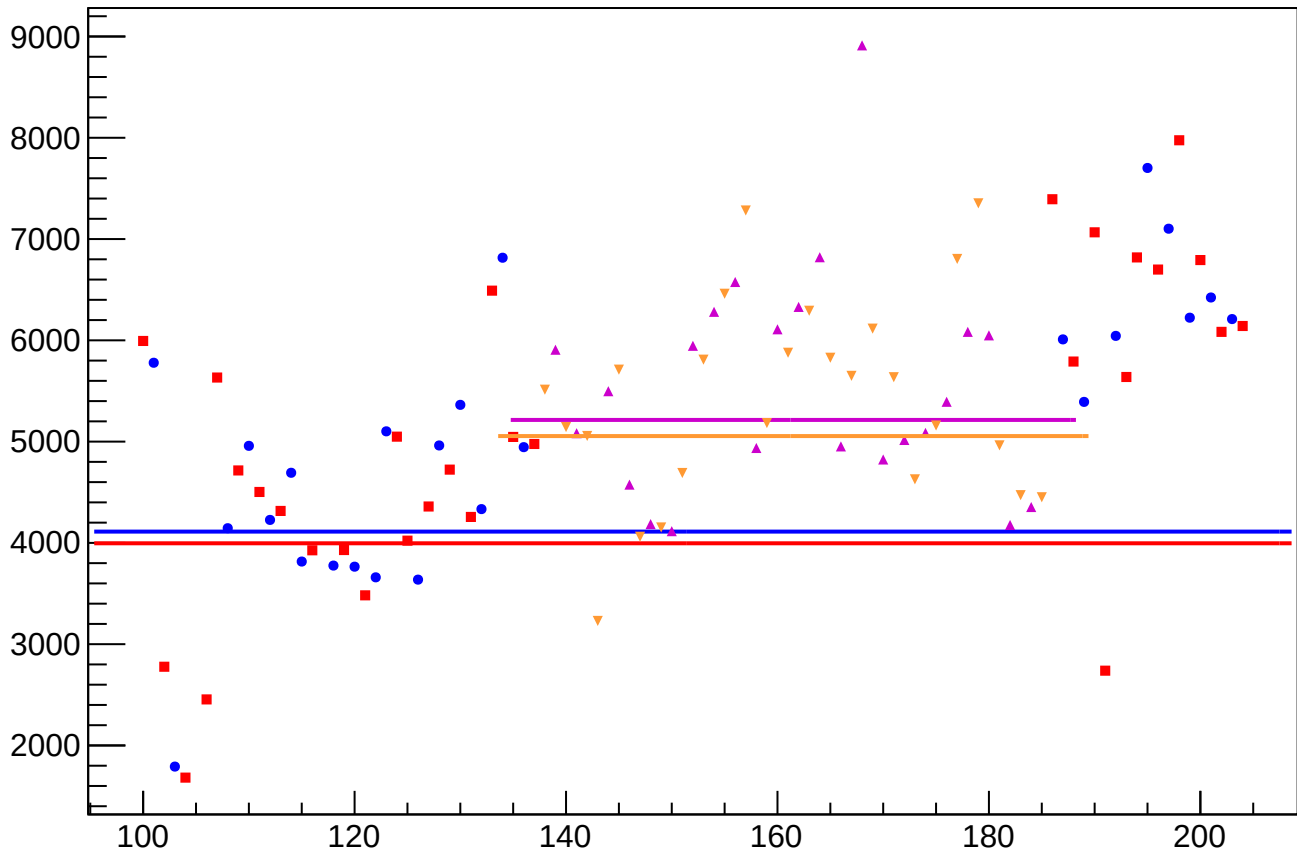
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1891.080 $\pm$ 879.447 χ^2 /NDF: 55.6/49

All: -879.622 $\pm$ 617.803 χ^2 /NDF: 122.1/102

- sign -3579.129 $\pm$ 868.075 χ^2 /NDF: 47.0/52

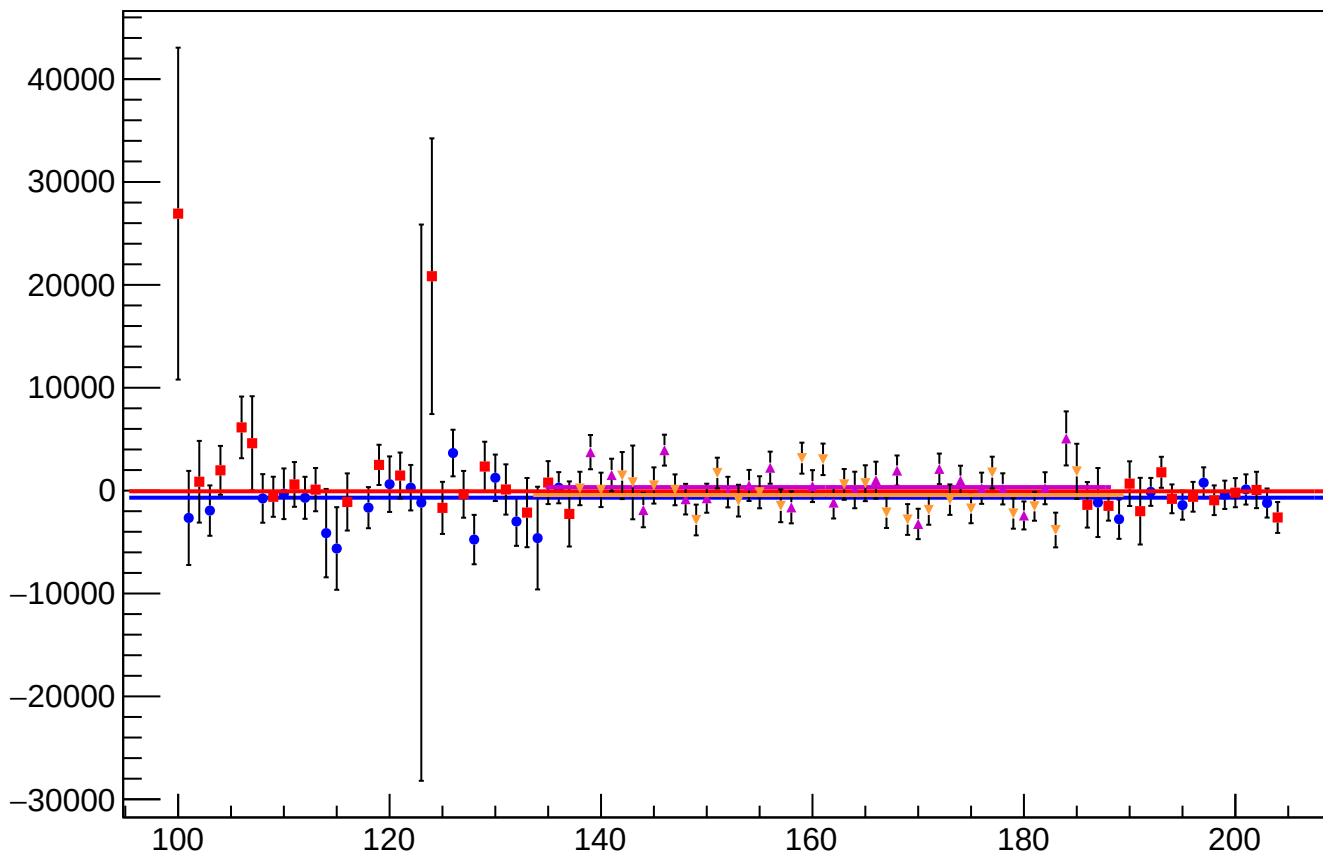
asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4111.535 $\pm$ 0.909 χ^2/NDF : 3619923.2/24
 Left Out: 5054.711 $\pm$ 0.853 χ^2/NDF : 1437224.7/24
 Right Out: 3996.124 $\pm$ 0.835 χ^2/NDF : 4582855.9/29
 Left In: 5214.120 $\pm$ 0.898 χ^2/NDF : 1052501.5/22

+ sign 4612.857 $\pm$ 0.622 χ^2/NDF : 5629962.8/49
 All: 4586.510 $\pm$ 0.436 χ^2/NDF : 12255198.2/100
 - sign 4561.026 $\pm$ 0.612 χ^2/NDF : 6621704.0/52

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -686.209+/-405.887 χ^2/NDF : 15.6/24

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: -65.120+/-378.654 χ^2/NDF : 23.3/29

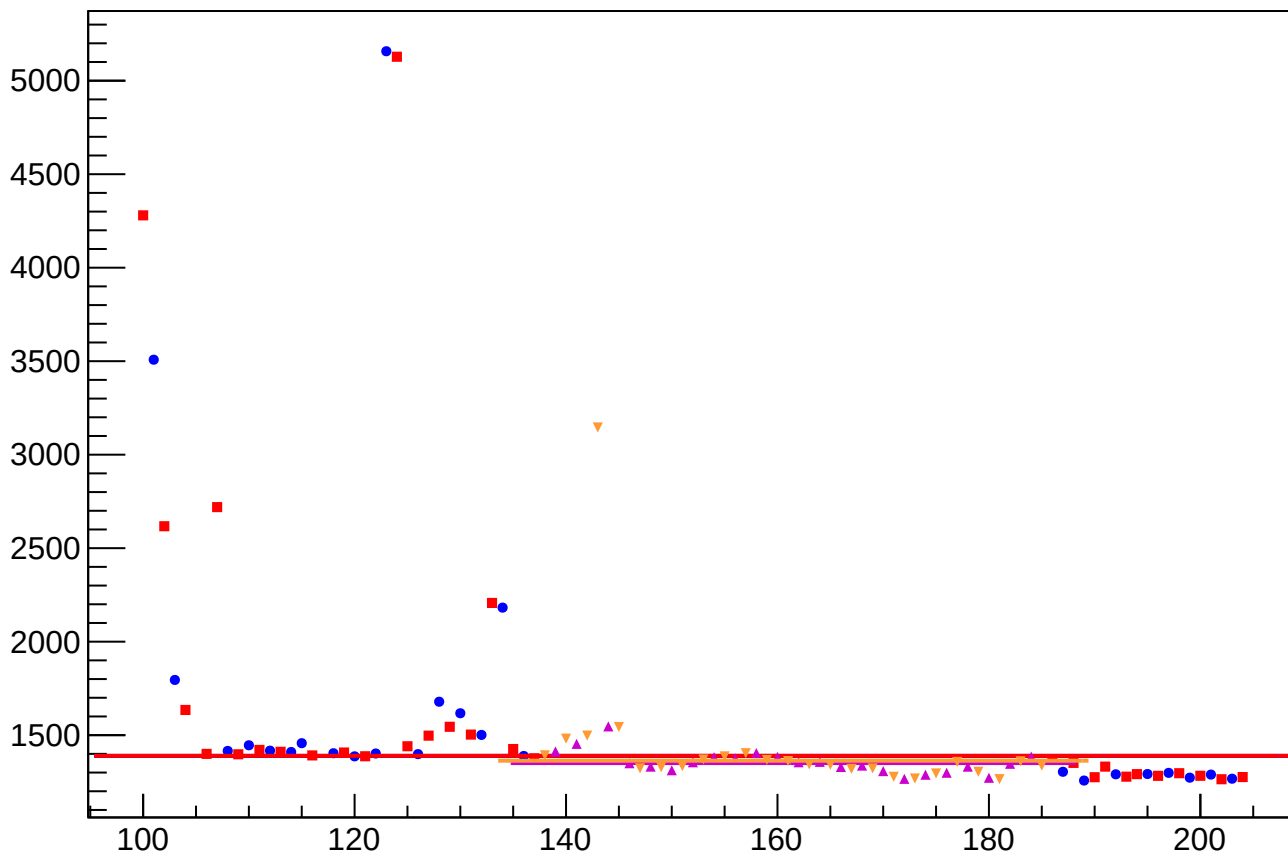
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -529.469+/-251.555 χ^2/NDF : 48.9/49

All: -172.056+/-176.004 χ^2/NDF : 110.6/102

- sign 170.692+/-246.341 χ^2/NDF : 57.7/52

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1389.082 $\pm$ 0.287 χ^2 /NDF: 706439.2/24

Left Out: 1363.561 $\pm$ 0.227 χ^2 /NDF: 575226.6/24

Right Out: 1389.458 $\pm$ 0.268 χ^2 /NDF: 820163.2/29

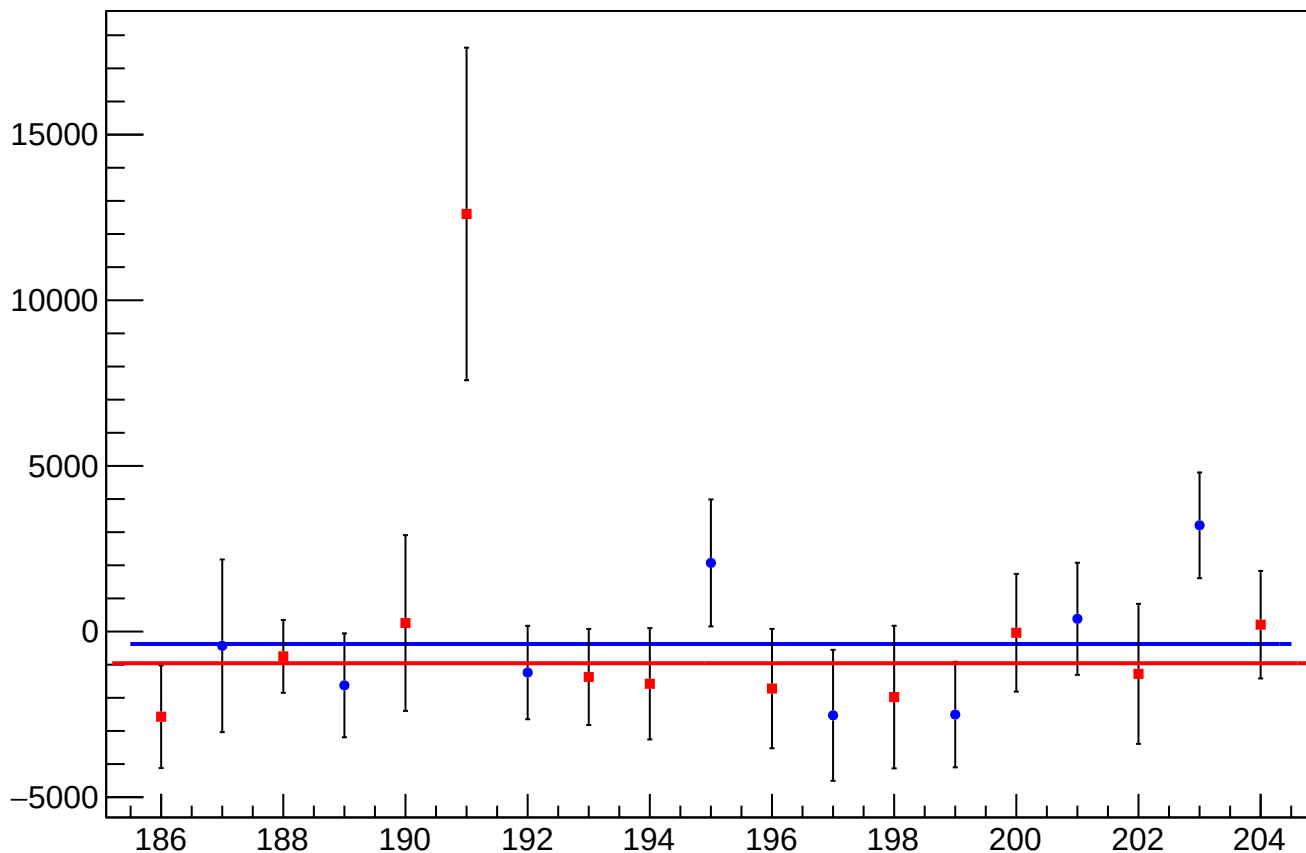
Left In: 1350.909 $\pm$ 0.229 χ^2 /NDF: 67144.5/22

+ sign 1373.364 $\pm$ 0.178 χ^2 /NDF: 1286535.8/49

All: 1370.230 $\pm$ 0.124 χ^2 /NDF: 2186407.6/100

- sign 1367.225 $\pm$ 0.174 χ^2 /NDF: 899263.6/52

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -374.869+/-606.181 χ^2/NDF : 10.9/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -956.295+/-519.962 χ^2/NDF : 10.1/10

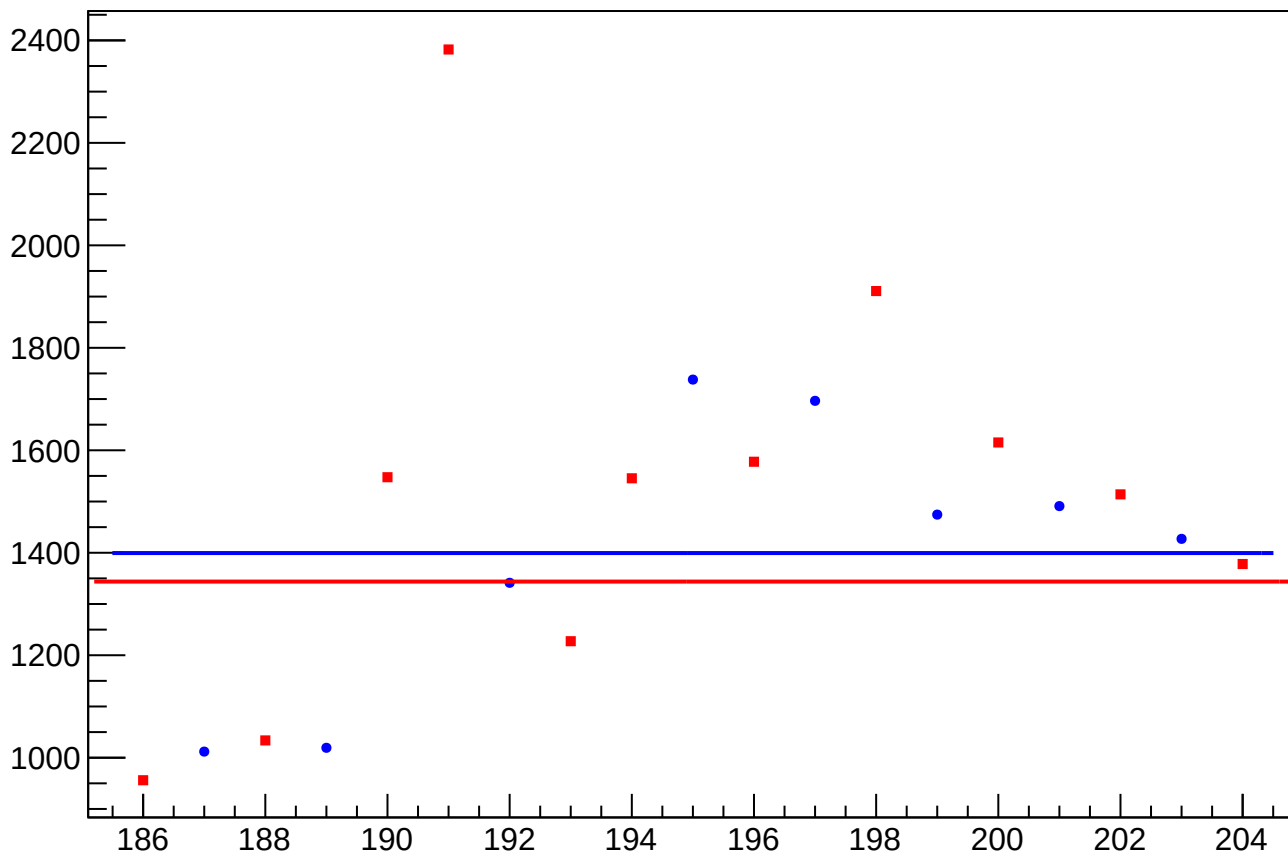
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -709.837+/-394.663 χ^2/NDF : 21.4/18

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1399.431+/-0.429 χ^2/NDF : 283546.7/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

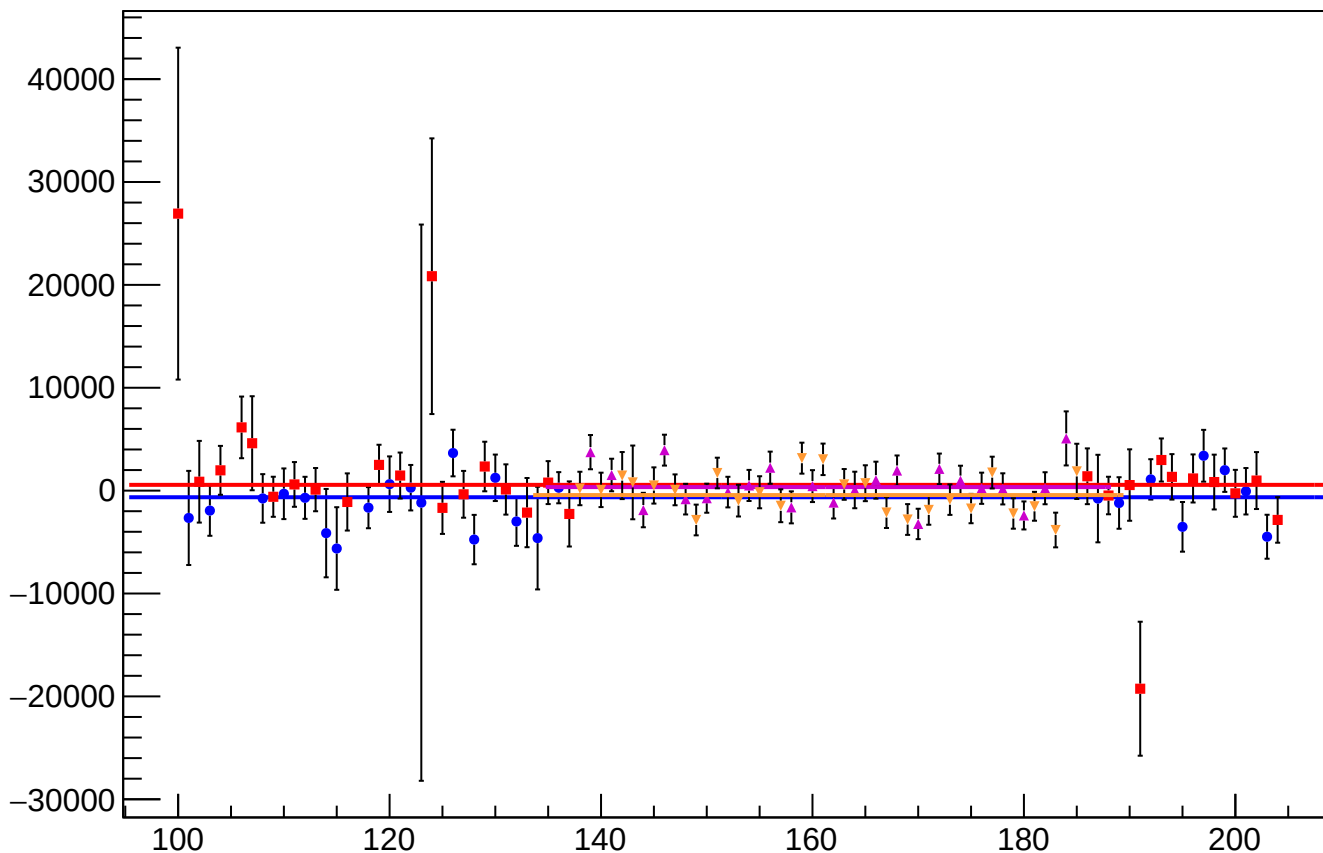
Right Out: 1343.765+/-0.368 χ^2/NDF : 656276.8/10

All: 1367.361+/-0.279 χ^2/NDF : 949540.2/18

- 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: -642.467+/-489.680 χ^2/NDF : 22.2/24

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 561.718+/-464.475 χ^2/NDF : 28.2/29

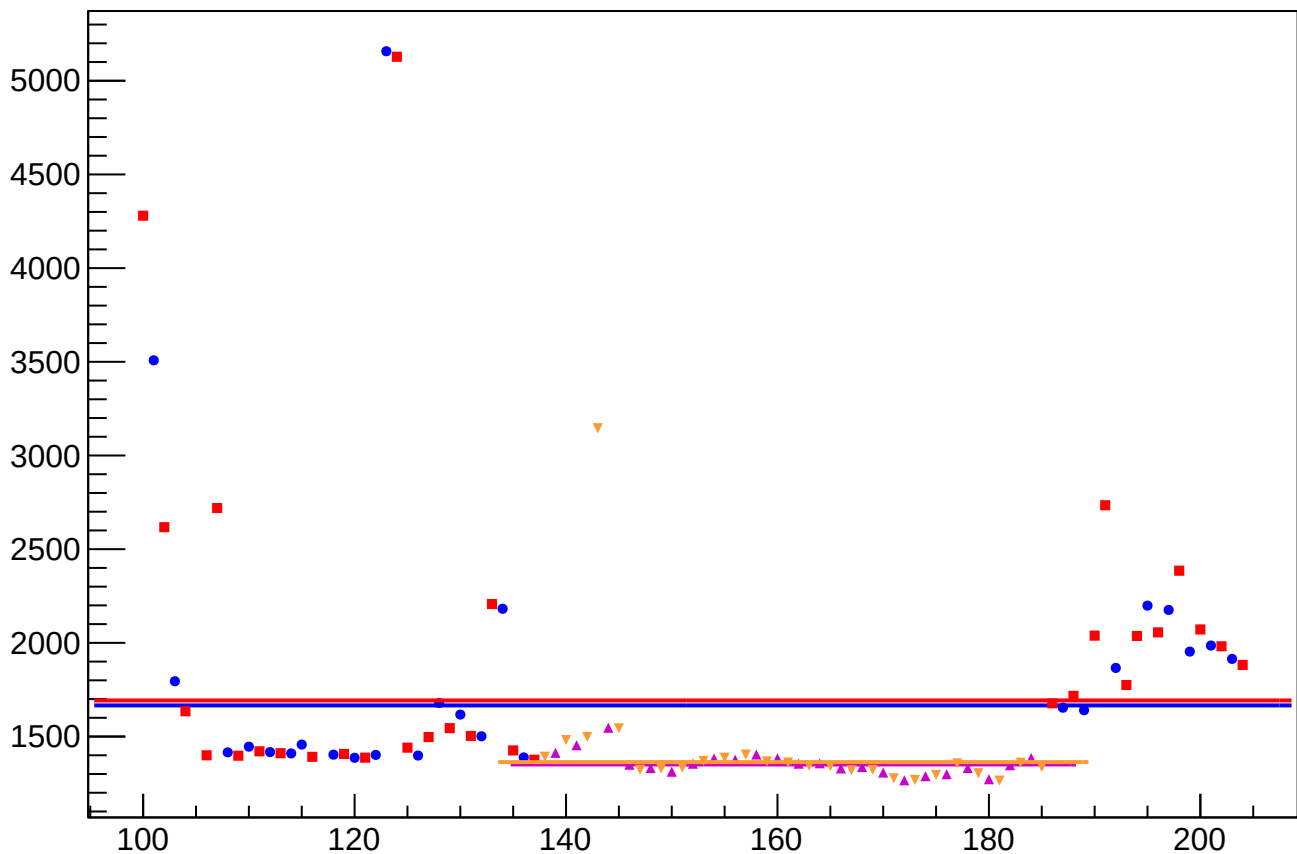
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -494.932+/-268.191 χ^2/NDF : 55.4/49

All: -36.030+/-188.838 χ^2/NDF : 123.4/102

- sign 415.196+/-265.938 χ^2/NDF : 62.1/52

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1666.091+/-0.346 χ^2/NDF : 959811.8/24

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1692.635+/-0.328 χ^2/NDF : 1180919.2/29

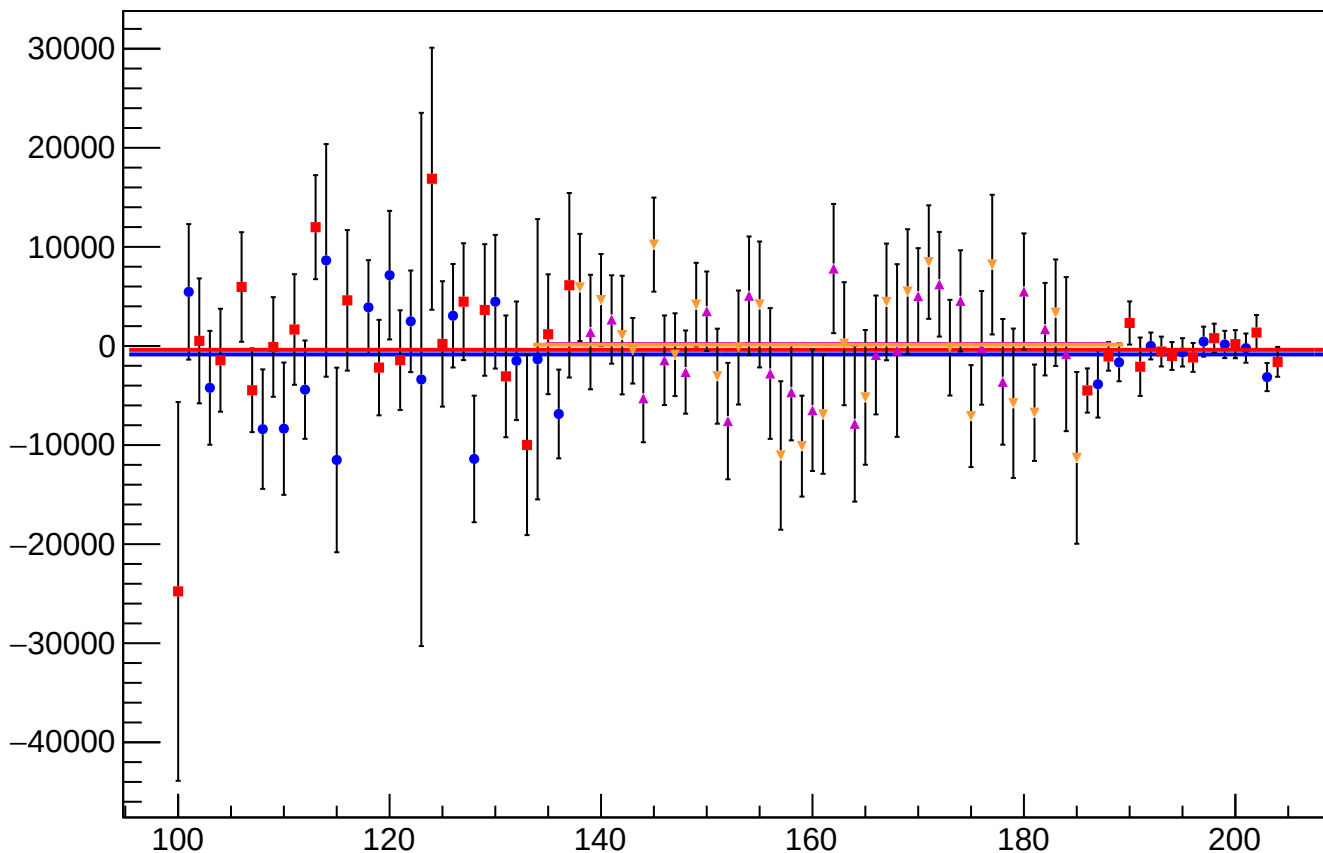
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1454.308+/-0.190 χ^2/NDF : 2069437.2/49

All: 1458.658+/-0.134 χ^2/NDF : 4046238.1/10

- sign 1462.935+/-0.188 χ^2/NDF : 1975757.6/52

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -853.566 ± 516.284 χ^2/NDF : 20.6/24

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -388.284 ± 462.723 χ^2/NDF : 23.3/29

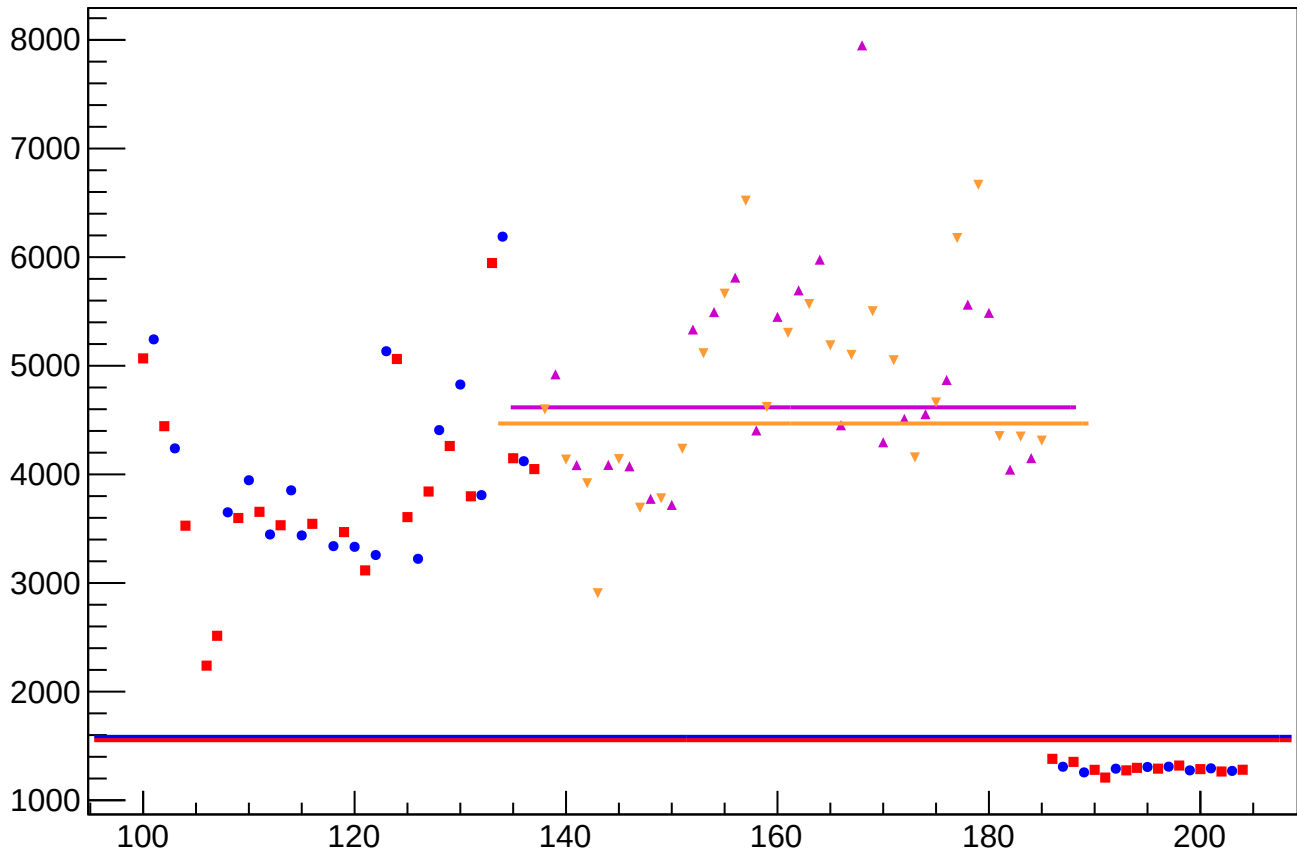
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -666.154 ± 464.618 χ^2/NDF : 49.4/49

All: -469.611 ± 314.735 χ^2/NDF : 88.0/102

- sign -302.941 ± 427.856 χ^2/NDF : 38.3/52

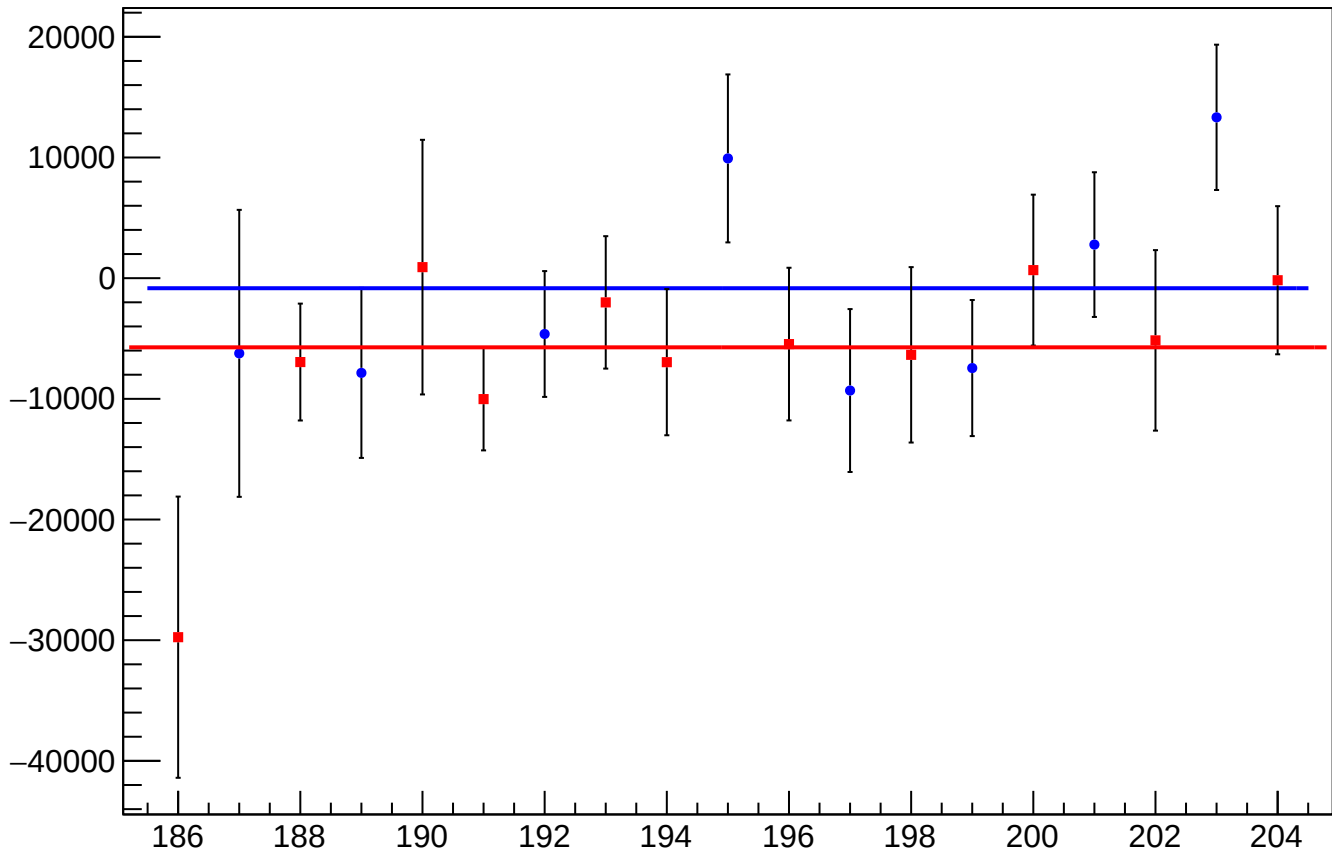
reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1583.900+/-0.365 χ^2/NDF : 5350152.6/24
 Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24
 Right Out: 1552.619+/-0.327 χ^2/NDF : 5265271.6/29
 Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

+ sign 2132.350+/-0.329 χ^2/NDF : 18601585.5/49
 All: 2058.667+/-0.222 χ^2/NDF : 37686620.3/1
 - sign 1996.293+/-0.302 χ^2/NDF : 18992153.3/52

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -832.564+/-2273.541 χ^2/NDF : 13.0/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -5731.208+/-1861.012 χ^2/NDF : 8.1/10

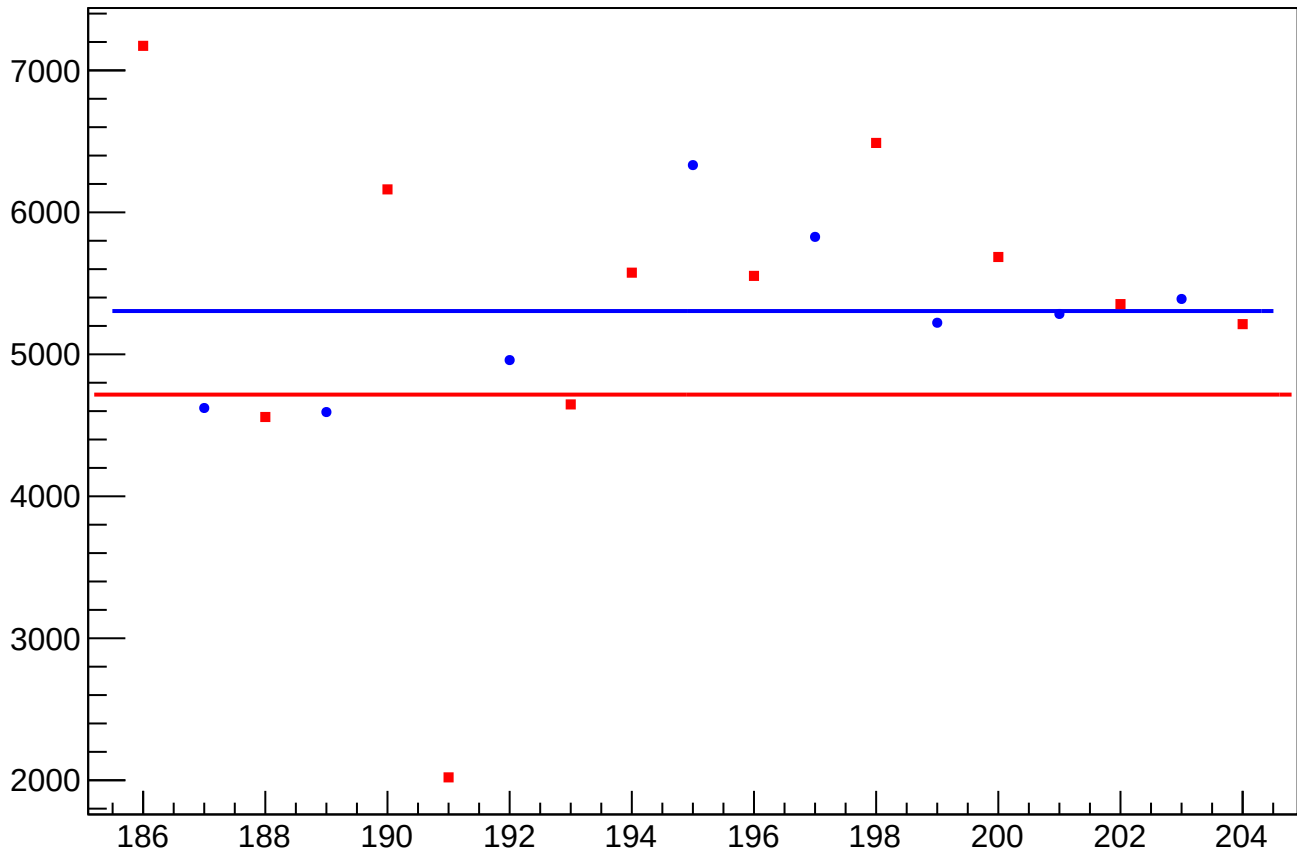
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -3765.835+/-1440.082 χ^2/NDF : 23.9/18

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5304.962+/-1.608 χ^2/NDF : 92227.8/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

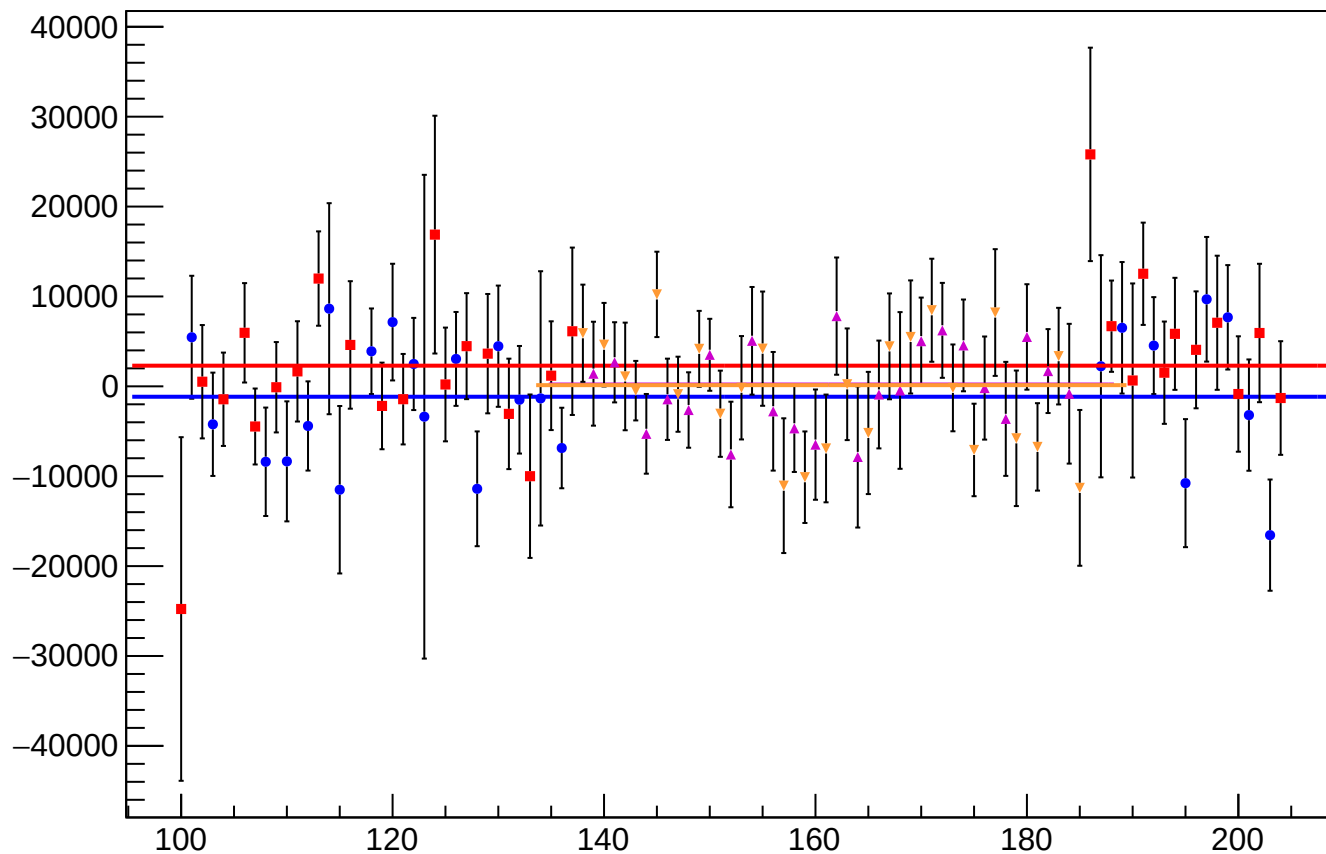
Right Out: 4716.375+/-1.316 χ^2/NDF : 1203550.5/10

All: 4952.520+/-1.018 χ^2/NDF : 1376042.5/18

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1157.901 ± 1274.005 χ^2/NDF : 30.2/24

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: 2298.533 ± 1137.082 χ^2/NDF : 24.6/29

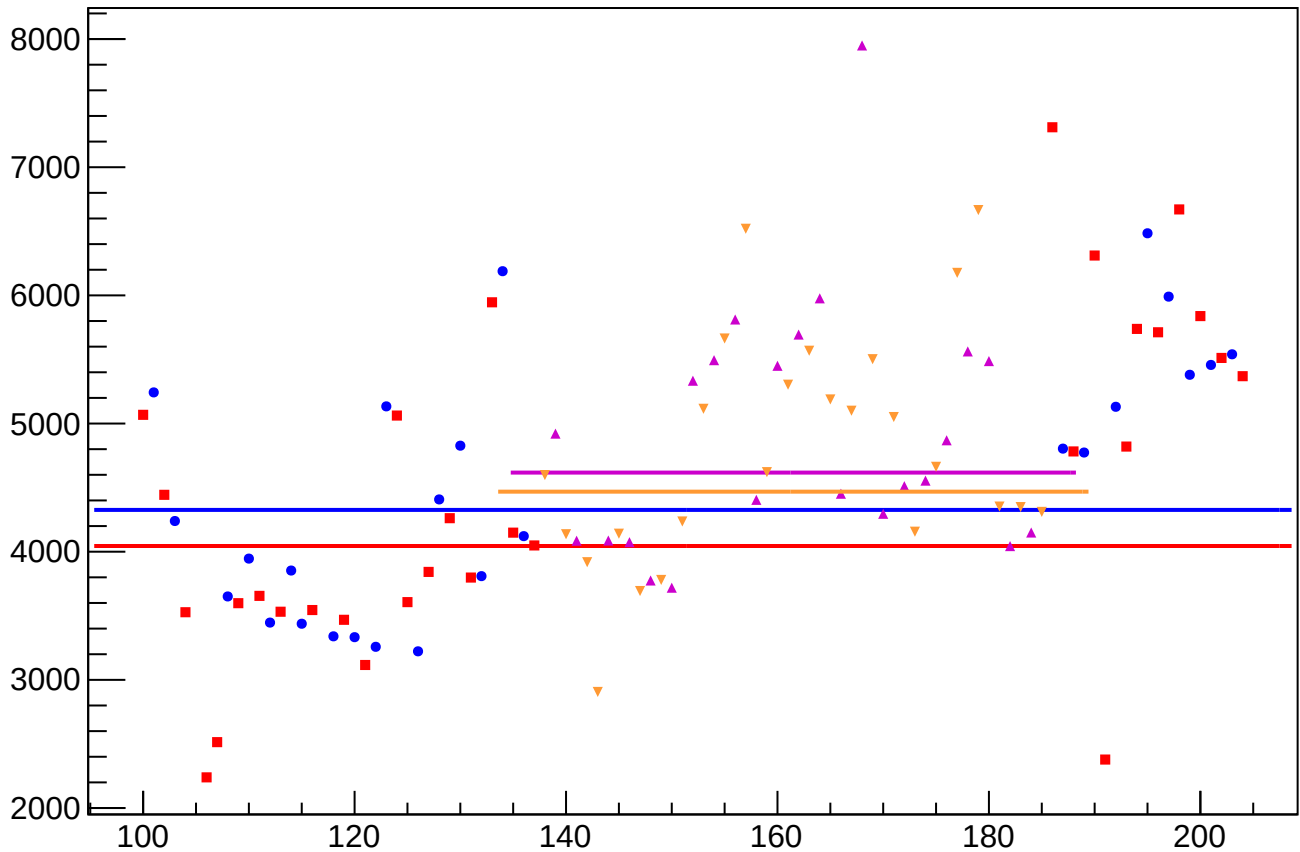
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -398.837 ± 817.350 χ^2/NDF : 58.9/49

All: 437.325 ± 571.426 χ^2/NDF : 102.0/102

- sign 1236.750 ± 799.193 χ^2/NDF : 41.1/52

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4326.069+/-0.901 χ^2/NDF : 1091285.7/24

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 4044.488+/-0.799 χ^2/NDF : 2174873.1/29

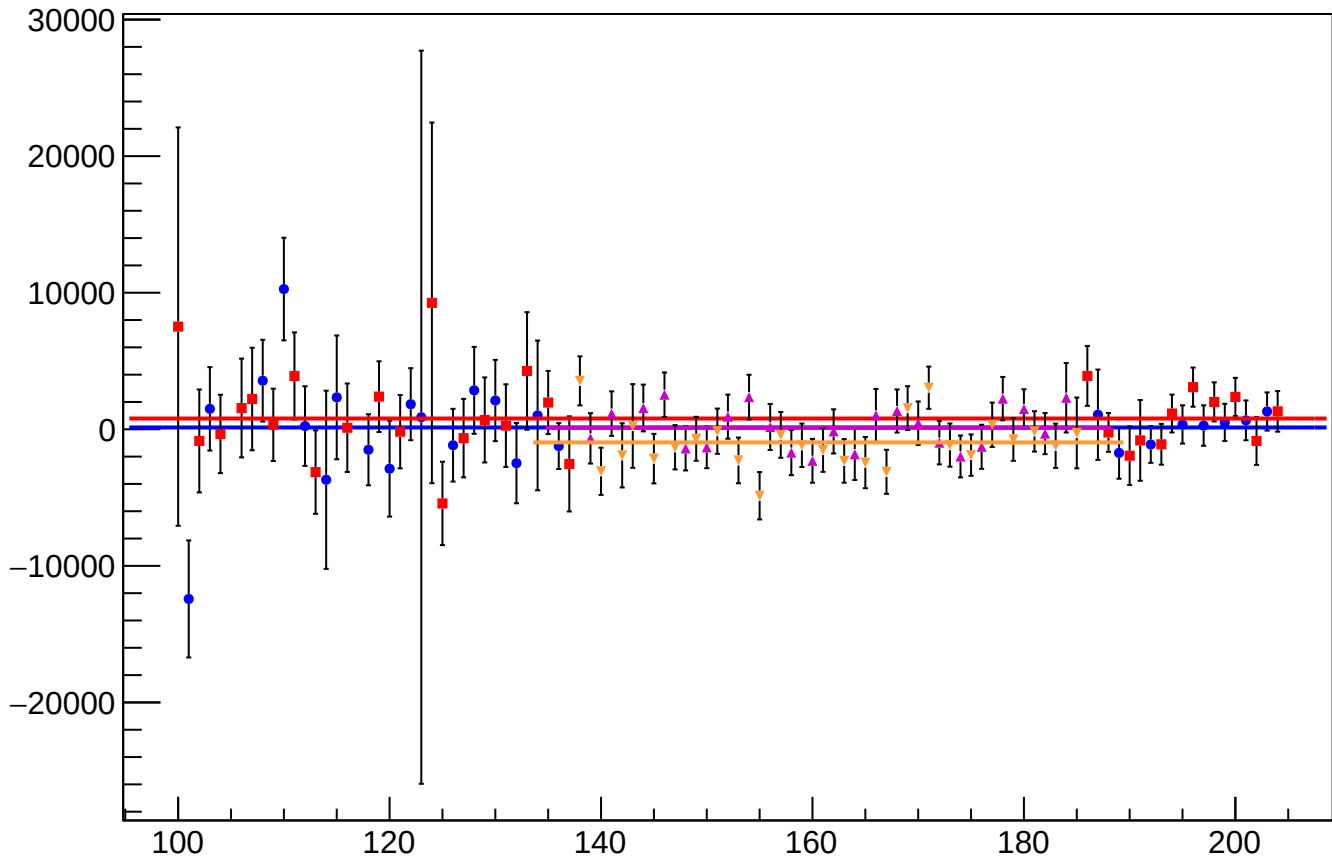
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 4409.886+/-0.578 χ^2/NDF : 2486599.6/49

All: 4370.230+/-0.403 χ^2/NDF : 5928686.0/10

- sign 4332.549+/-0.563 χ^2/NDF : 3432904.8/52

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 133.367 ± 439.440 χ^2/NDF : 25.2/24

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 790.438 ± 404.355 χ^2/NDF : 22.3/29

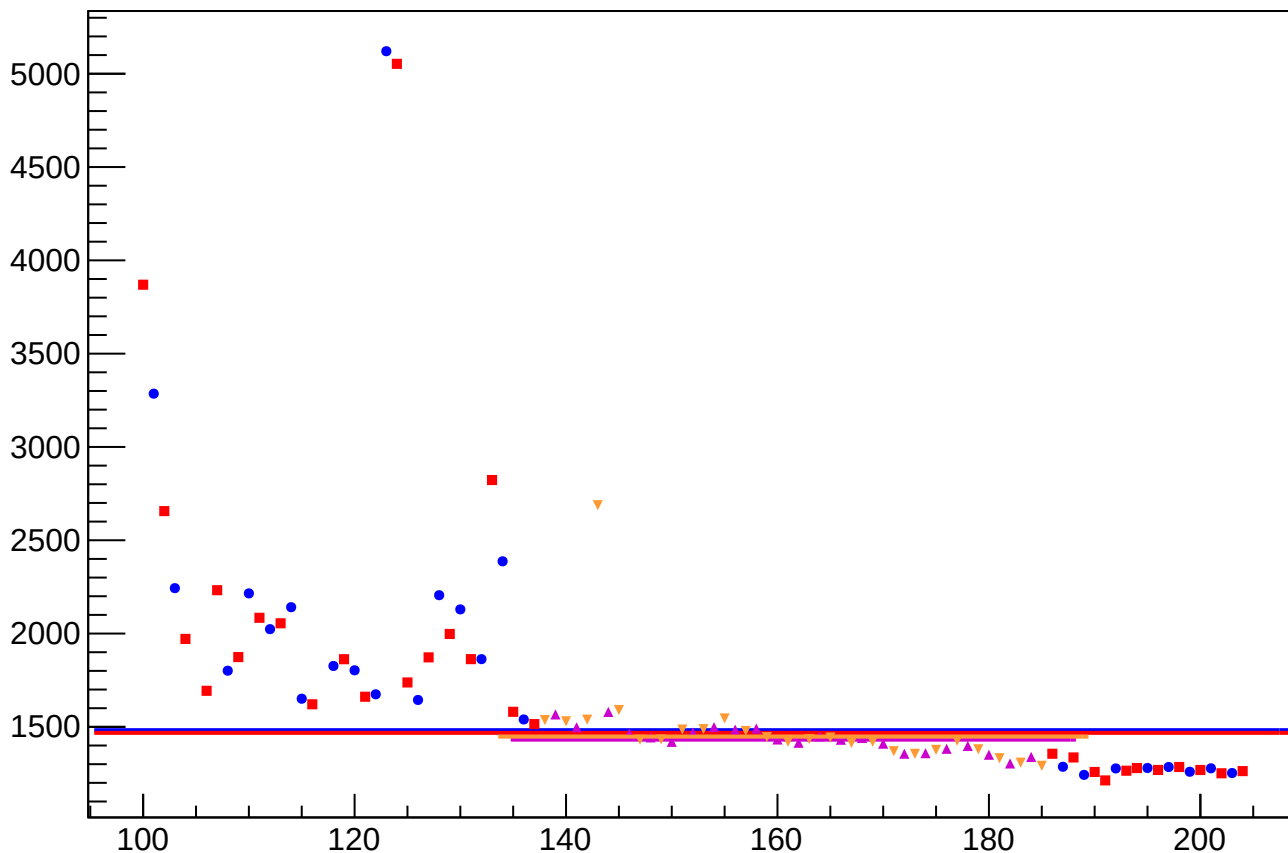
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -550.336 ± 268.659 χ^2/NDF : 57.6/49

All: -66.110 ± 187.522 χ^2/NDF : 107.4/102

- sign 393.926 ± 261.863 χ^2/NDF : 43.4/52

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1482.274+/-0.311 χ^2/NDF : 1374195.4/24

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1467.893+/-0.286 χ^2/NDF : 1471433.6/29

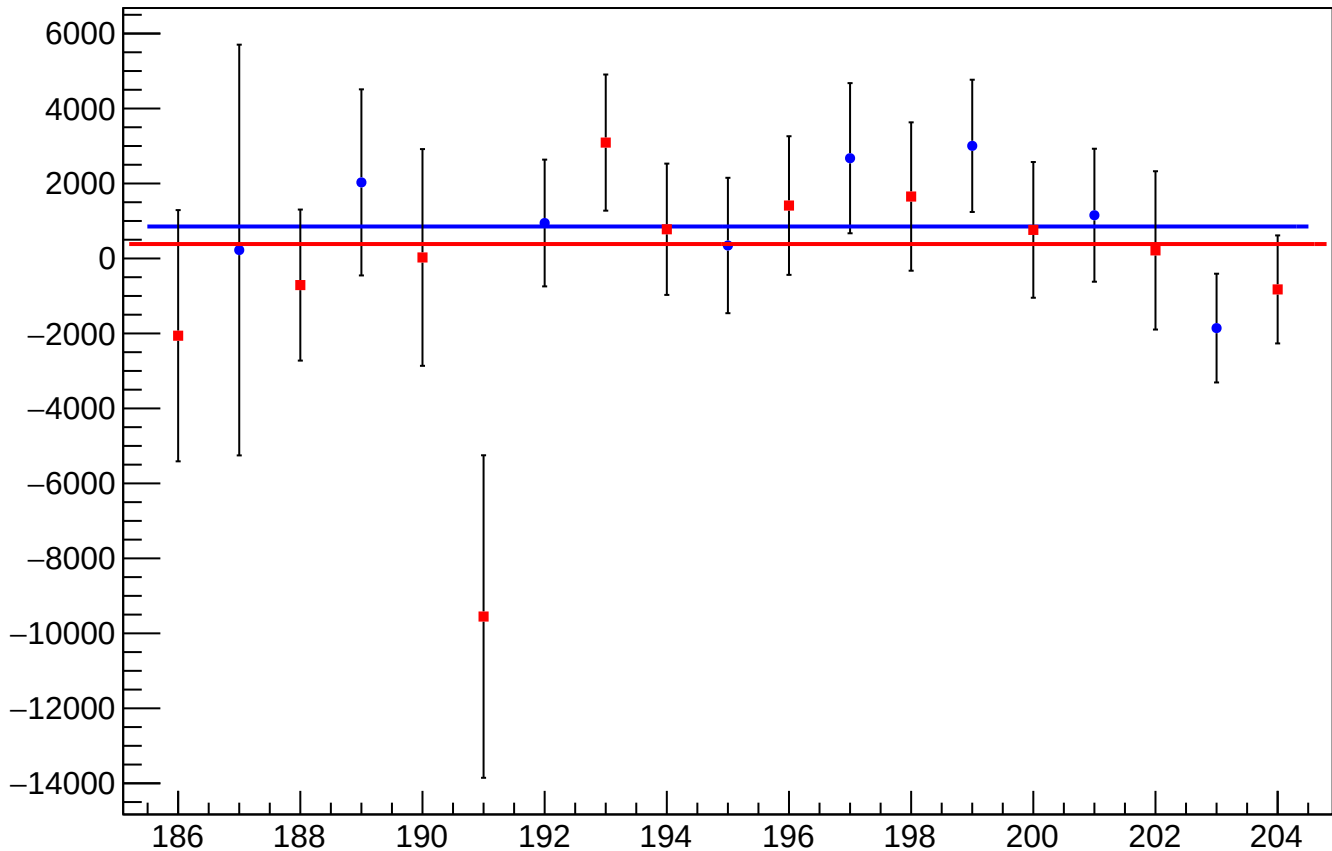
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1460.532+/-0.190 χ^2/NDF : 1801268.5/49

All: 1453.458+/-0.133 χ^2/NDF : 3359966.1/10

- sign 1446.737+/-0.185 χ^2/NDF : 1555993.7/52

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 852.903 $\pm$ 671.747 χ^2 /NDF: 6.2/7

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 384.909 $\pm$ 608.853 χ^2 /NDF: 9.9/10

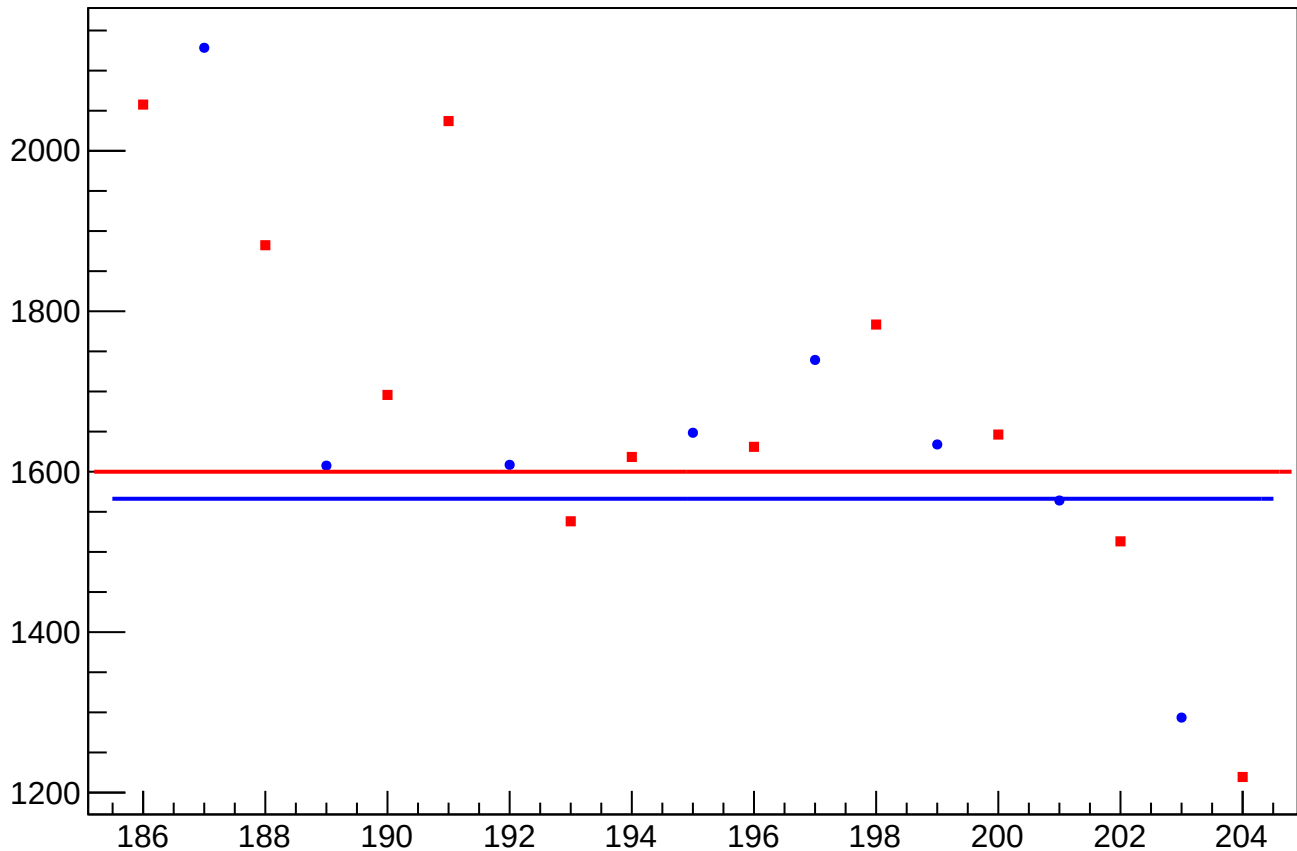
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 595.977 $\pm$ 451.125 χ^2 /NDF: 16.3/18

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1566.274 $\pm$ 0.475 χ^2 /NDF: 115645.2/7

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1599.960 $\pm$ 0.431 χ^2 /NDF: 263938.0/10

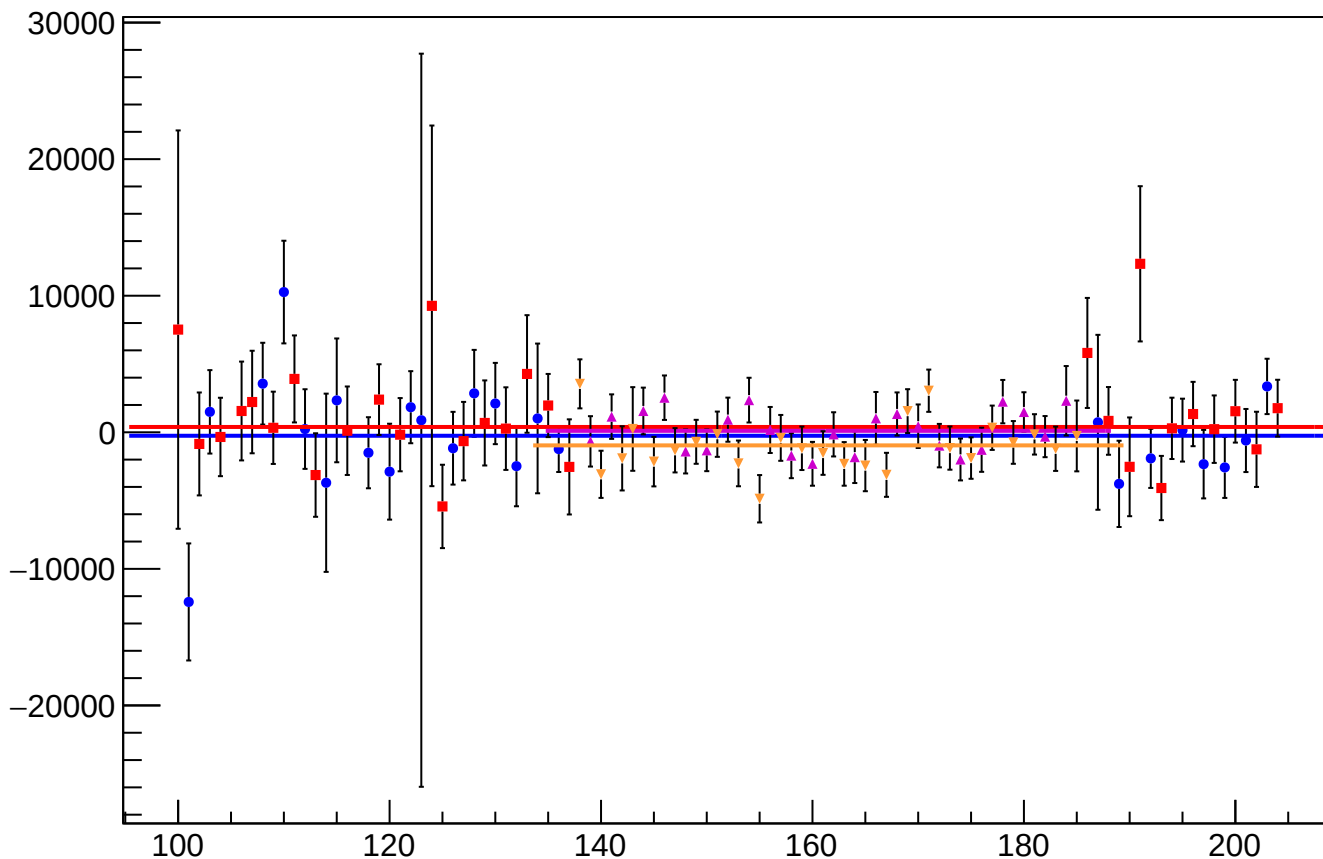
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1584.768 $\pm$ 0.319 χ^2 /NDF: 382344.4/18

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -254.026+/-569.640 χ^2/NDF : 29.4/24

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 390.102+/-538.116 χ^2/NDF : 21.9/29

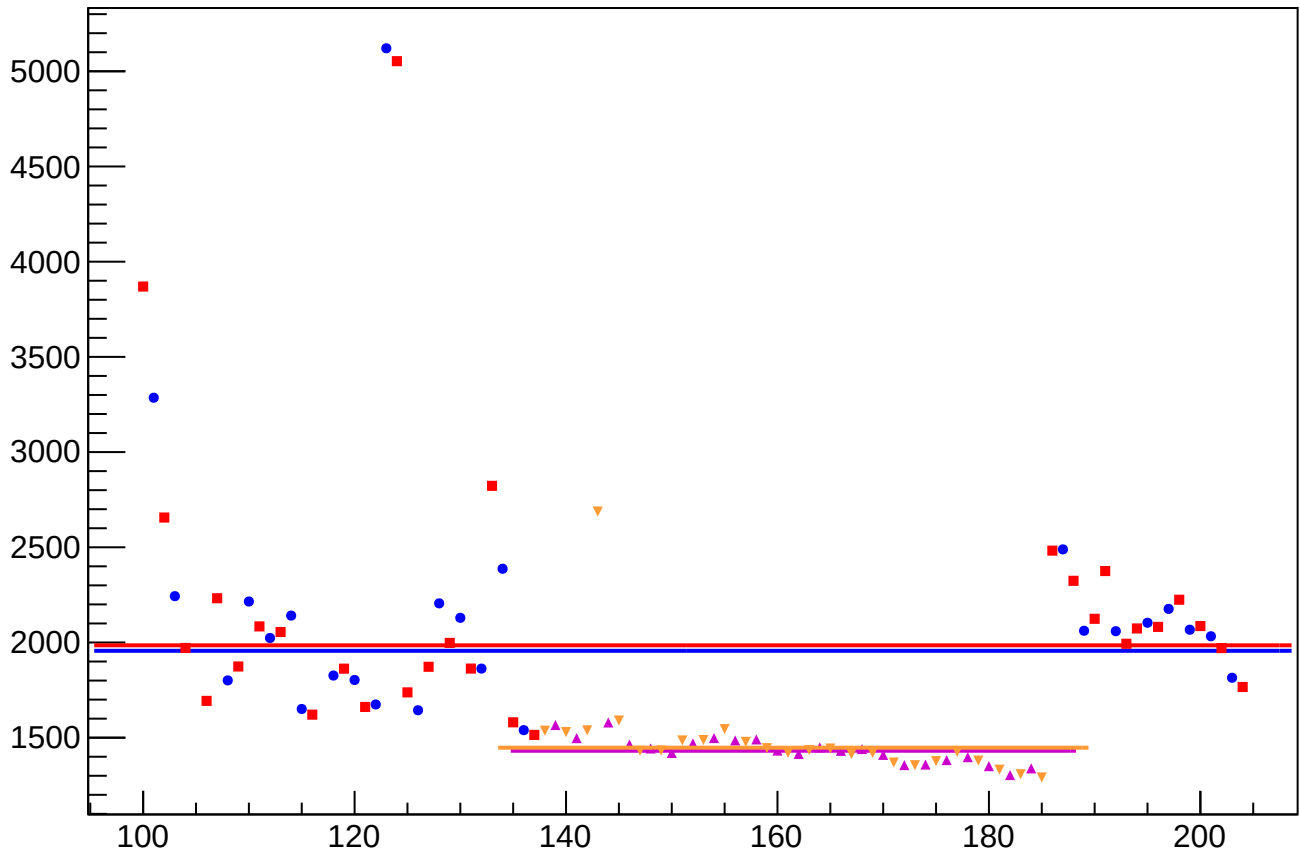
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -773.791+/-291.631 χ^2/NDF : 59.1/49

All: -288.900+/-205.505 χ^2/NDF : 106.1/102

- sign 189.379+/-289.636 χ^2/NDF : 41.5/52

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1956.372+/-0.403 χ^2/NDF : 541325.3/24

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1985.169+/-0.381 χ^2/NDF : 616426.1/29

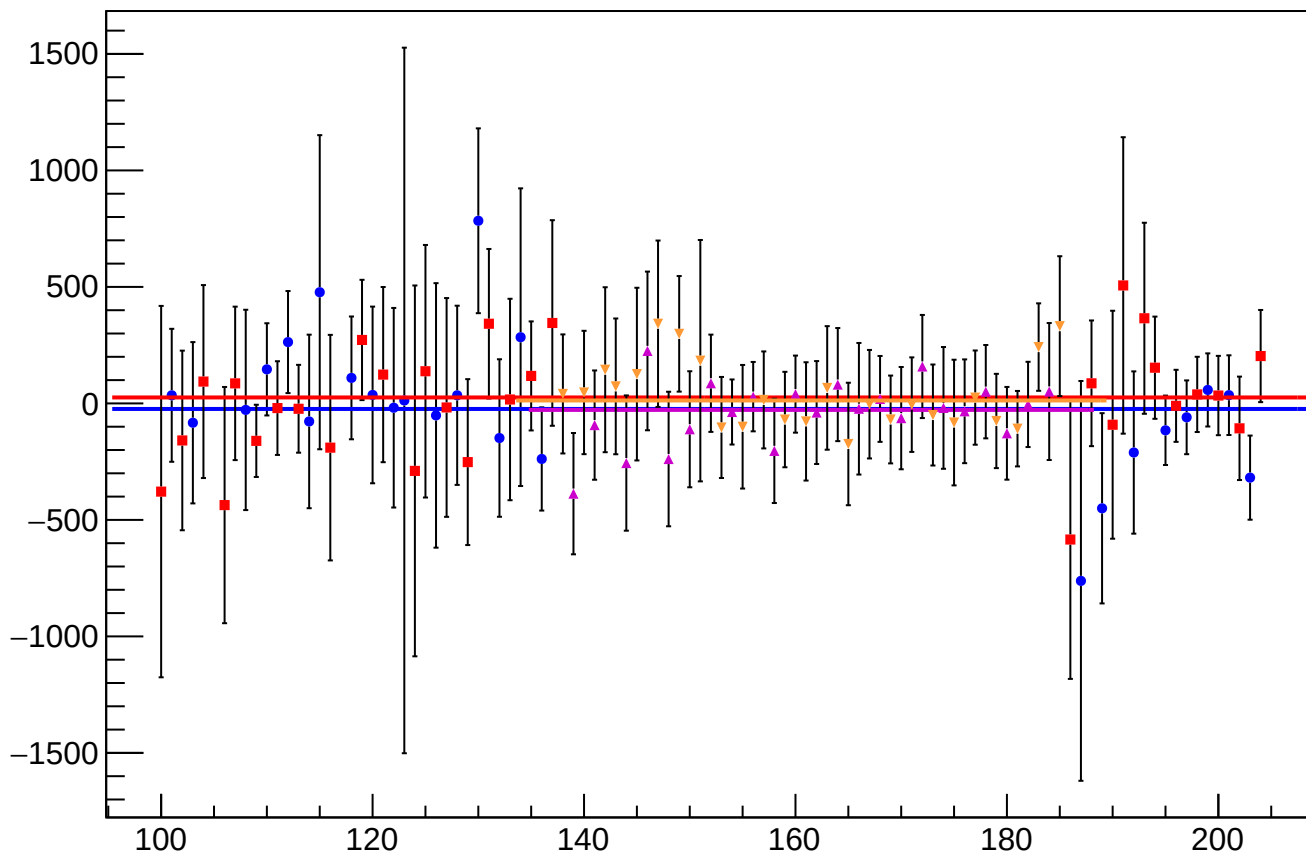
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1580.916+/-0.206 χ^2/NDF : 2138058.9/49

All: 1586.431+/-0.145 χ^2/NDF : 4335193.9/10

- sign 1591.870+/-0.205 χ^2/NDF : 2195714.5/52

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -23.798 ± 52.496 χ^2/NDF : 14.5/24

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 25.575 ± 49.121 χ^2/NDF : 10.6/29

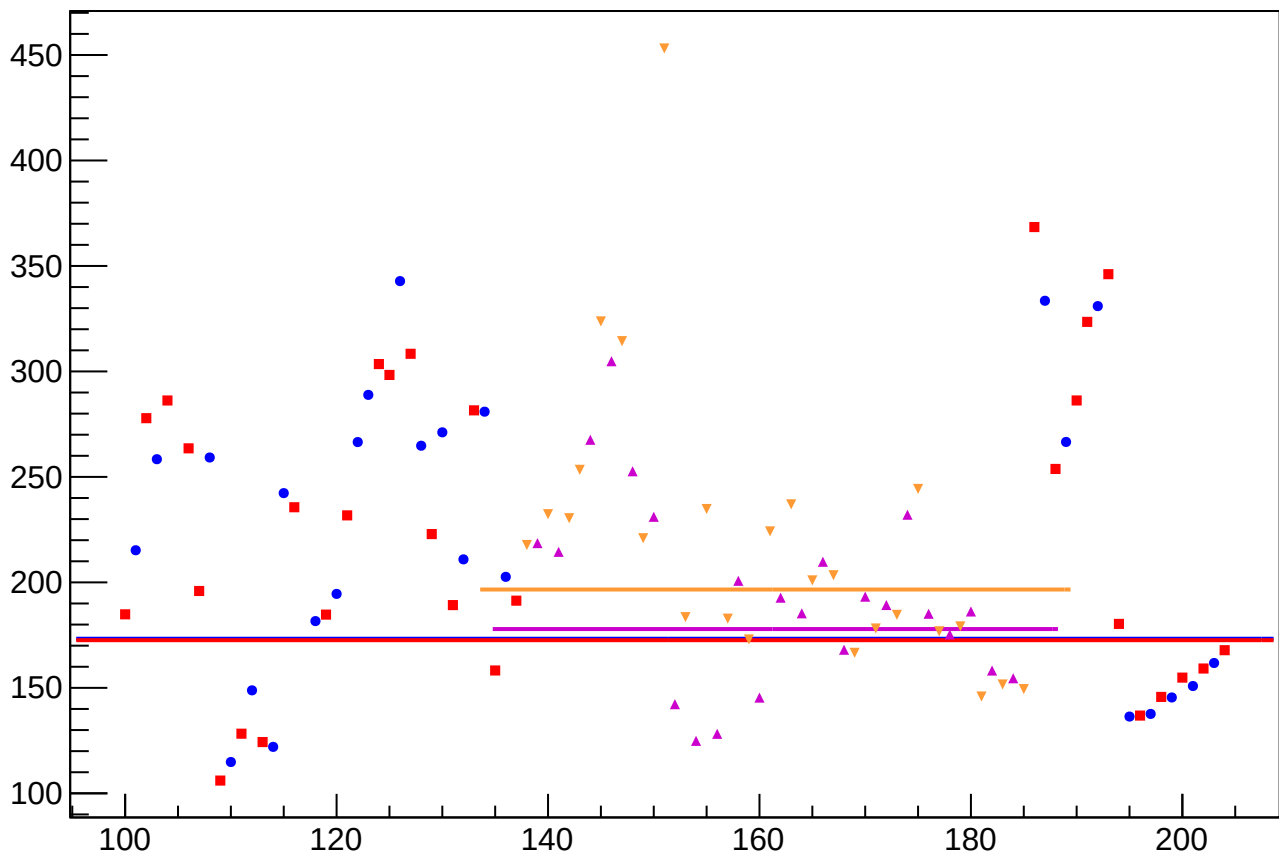
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign -3.770 ± 35.216 χ^2/NDF : 22.4/49

All: -3.782 ± 24.075 χ^2/NDF : 40.1/102

- sign -3.793 ± 32.989 χ^2/NDF : 17.7/52

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.287 ± 0.037 $\chi^2/\text{NDF}: 2060406.4/24$

Left Out: 196.620 ± 0.034 $\chi^2/\text{NDF}: 1793507.9/24$

Right Out: 172.599 ± 0.035 $\chi^2/\text{NDF}: 2741179.2/29$

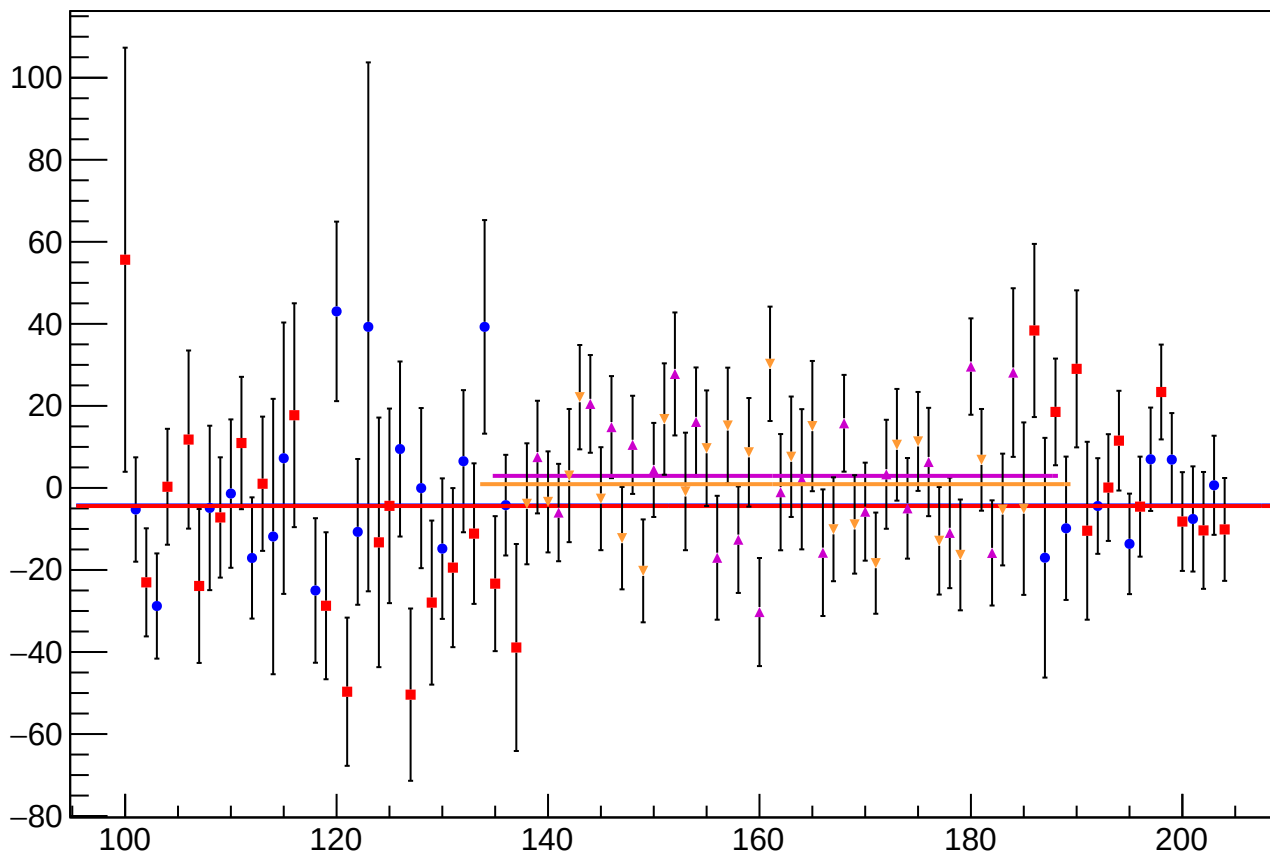
Left In: 177.878 ± 0.031 $\chi^2/\text{NDF}: 1644086.7/22$

+ sign 186.119 ± 0.025 $\chi^2/\text{NDF}: 4071215.6/49$

All: 180.462 ± 0.017 $\chi^2/\text{NDF}: 8566082.8/102$

- sign 175.497 ± 0.023 $\chi^2/\text{NDF}: 4397944.9/52$

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.271 ± 3.194 χ^2/NDF : 18.2/24

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -4.413 ± 2.976 χ^2/NDF : 43.6/29

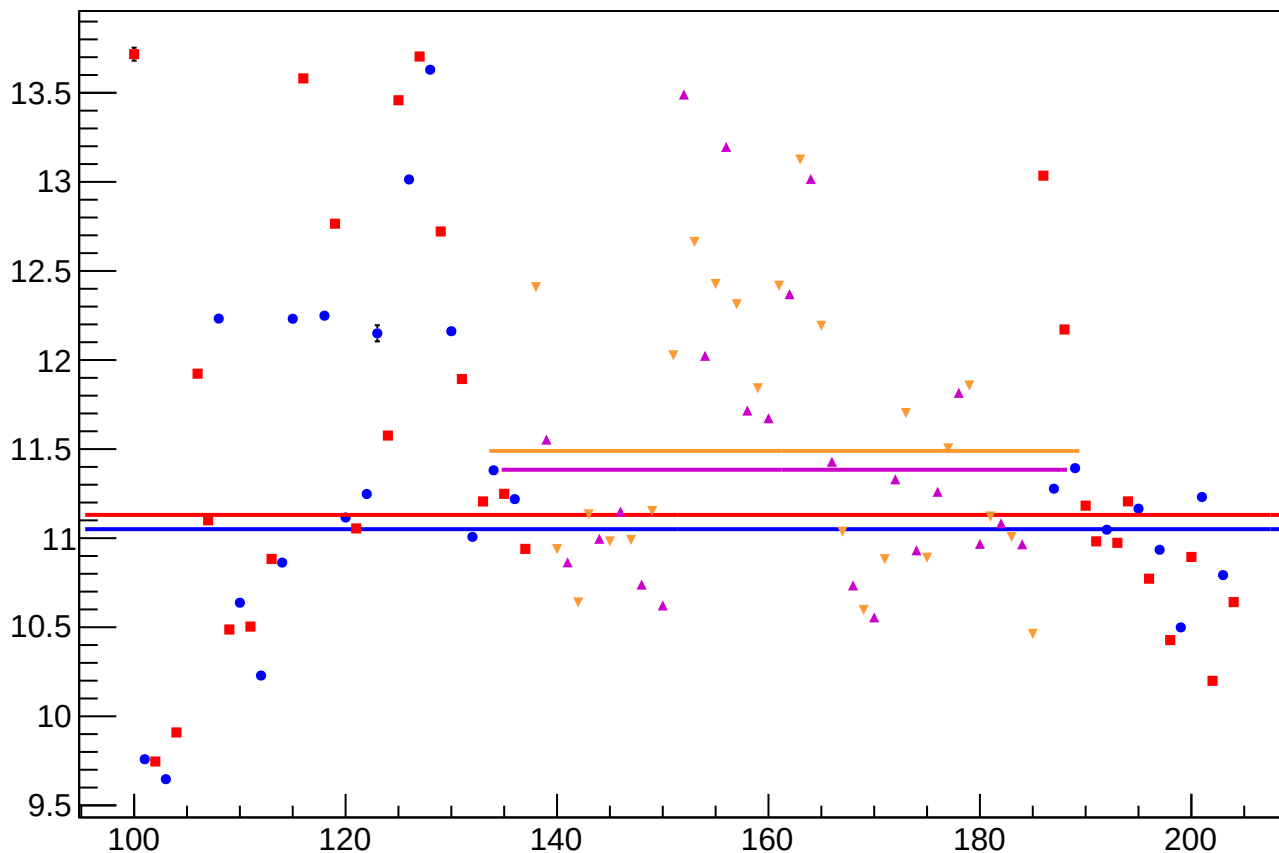
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign -1.240 ± 2.060 χ^2/NDF : 43.7/49

All: -0.831 ± 1.442 χ^2/NDF : 121.7/102

- sign -0.439 ± 2.018 χ^2/NDF : 77.9/52

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.050 $\pm$ 0.002 χ^2 /NDF: 139679.4/24

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 11.131 $\pm$ 0.002 χ^2 /NDF: 201615.5/29

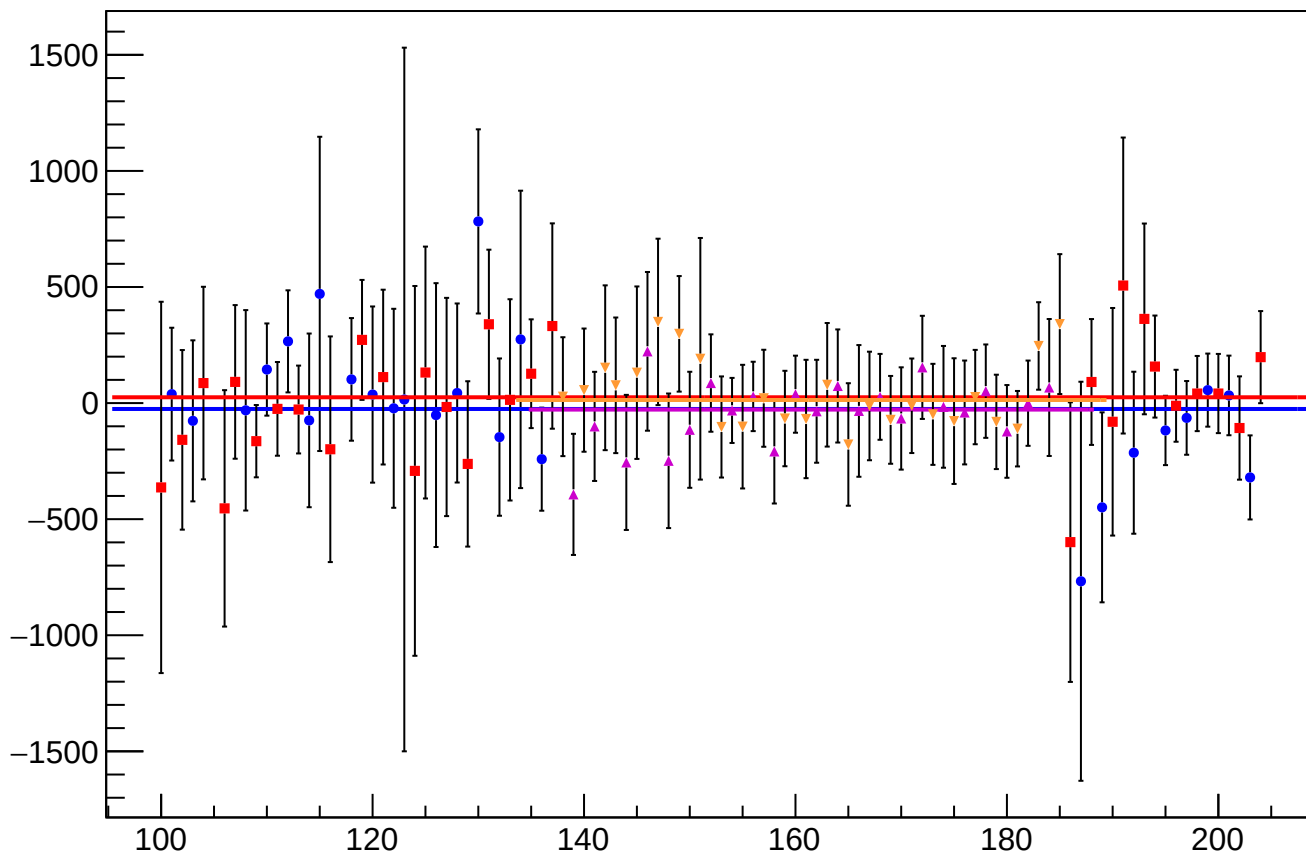
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.307 $\pm$ 0.001 χ^2 /NDF: 294168.3/49

All: 11.287 $\pm$ 0.001 χ^2 /NDF: 653795.9/102

- sign 11.268 $\pm$ 0.001 χ^2 /NDF: 359254.1/52

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -25.367 ± 52.633 χ^2/NDF : 14.4/24

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 25.010 ± 49.256 χ^2/NDF : 10.7/29

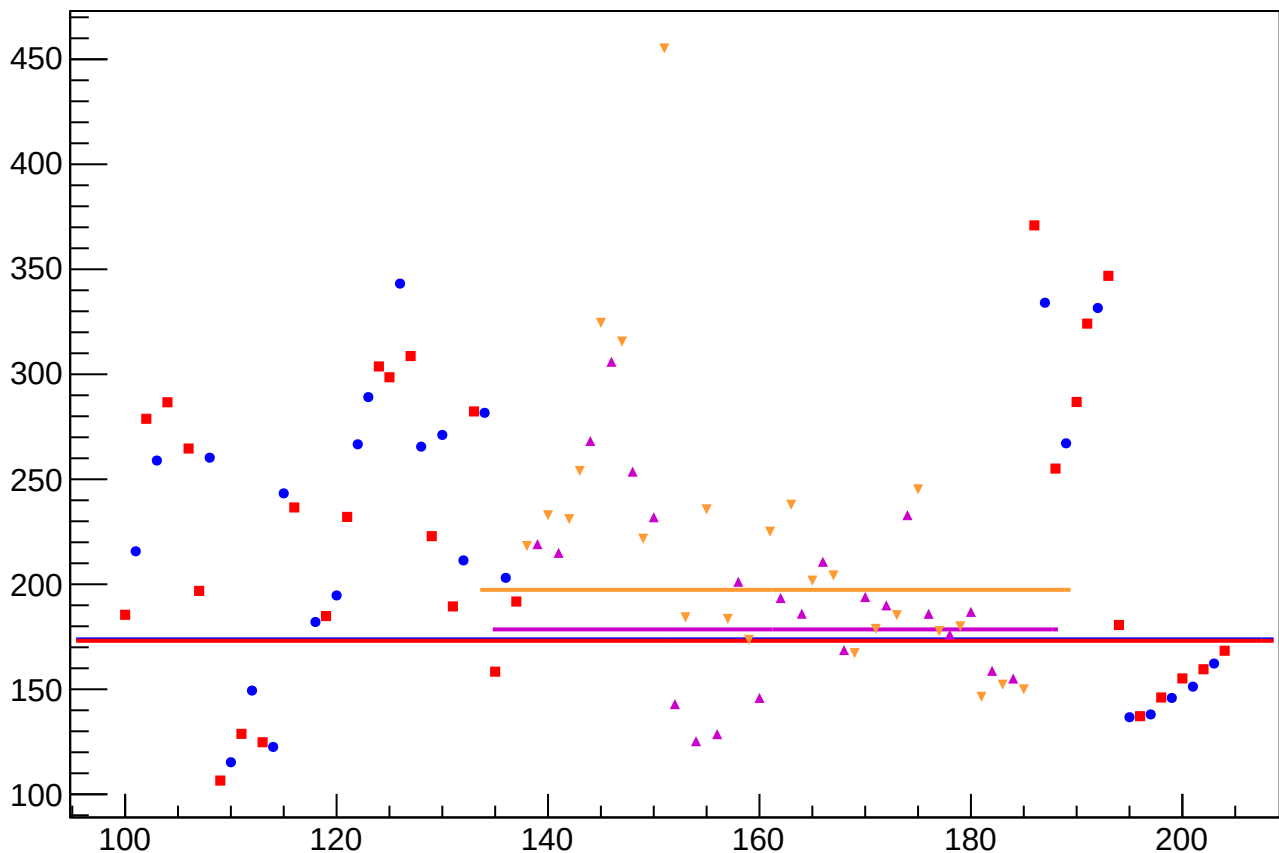
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign -4.109 ± 35.329 χ^2/NDF : 22.6/49

All: -4.103 ± 24.153 χ^2/NDF : 40.5/102

- sign -4.098 ± 33.094 χ^2/NDF : 17.9/52

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 173.761 $\pm$ 0.037 χ^2 /NDF: 2054988.7/24

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF:1790824.5/24

Right Out: 173.091 $\pm$ 0.035 χ^2 /NDF: 2737109.6/29

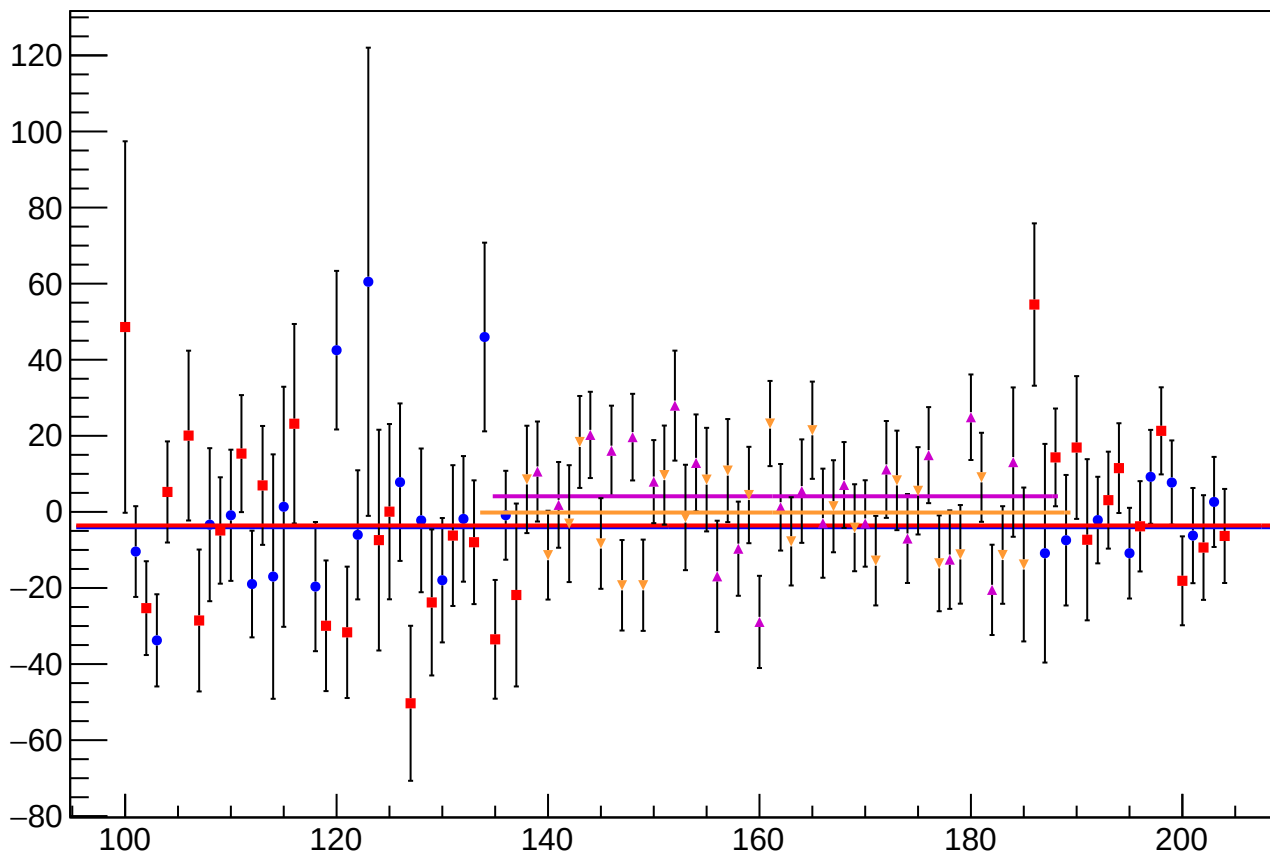
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

+ sign 186.725 $\pm$ 0.025 χ^2 /NDF: 4066636.5/49

All: 181.047 $\pm$ 0.017 χ^2 /NDF: 8556325.9/102

- sign 176.065 $\pm$ 0.023 χ^2 /NDF: 4392705.7/52

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -4.025 ± 3.081 χ^2/NDF : 22.9/24

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -3.568 ± 2.881 χ^2/NDF : 45.4/29

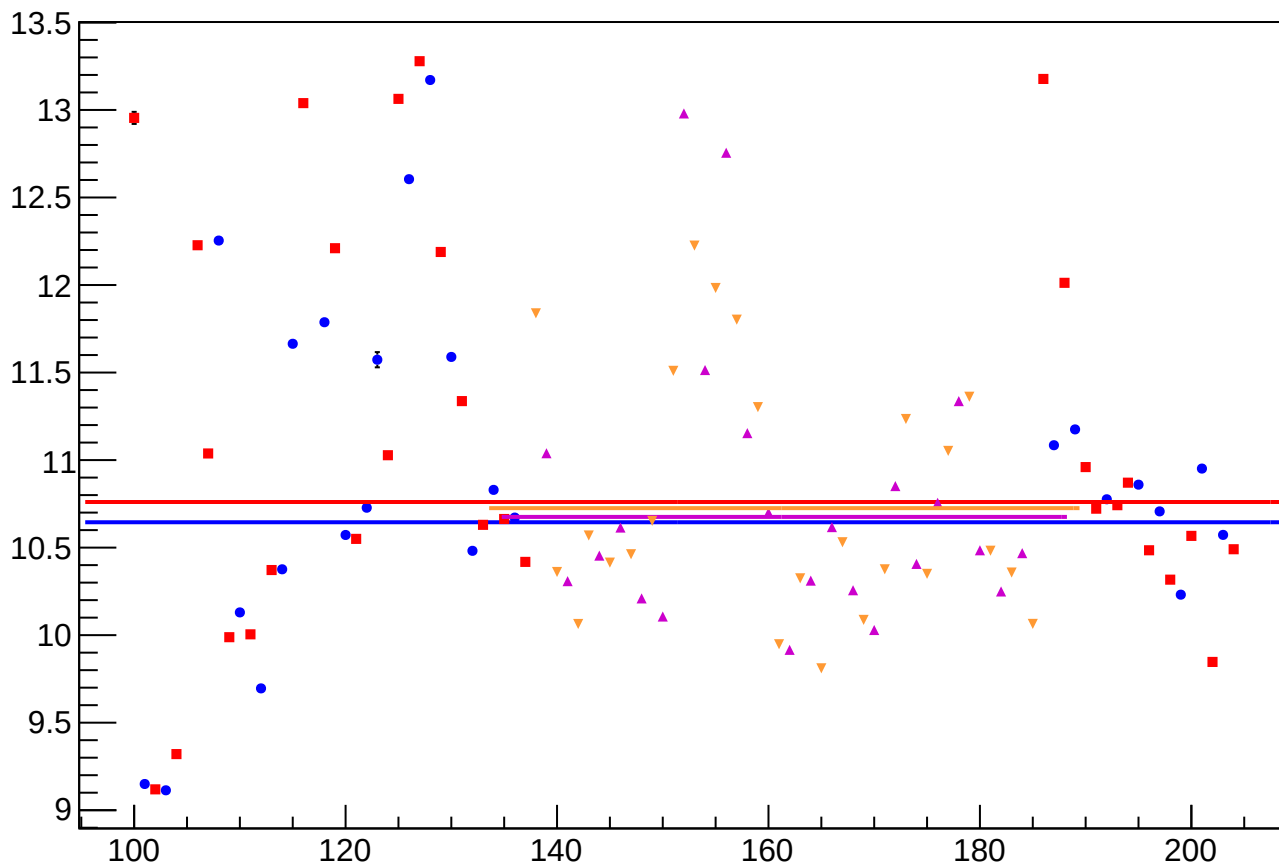
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -1.716 ± 1.951 χ^2/NDF : 48.2/49

All: -0.491 ± 1.369 χ^2/NDF : 129.8/102

- sign 0.696 ± 1.921 χ^2/NDF : 80.8/52

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.645 $\pm$ 0.002 χ^2 /NDF: 167019.9/24

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.761 $\pm$ 0.002 χ^2 /NDF: 237651.1/29

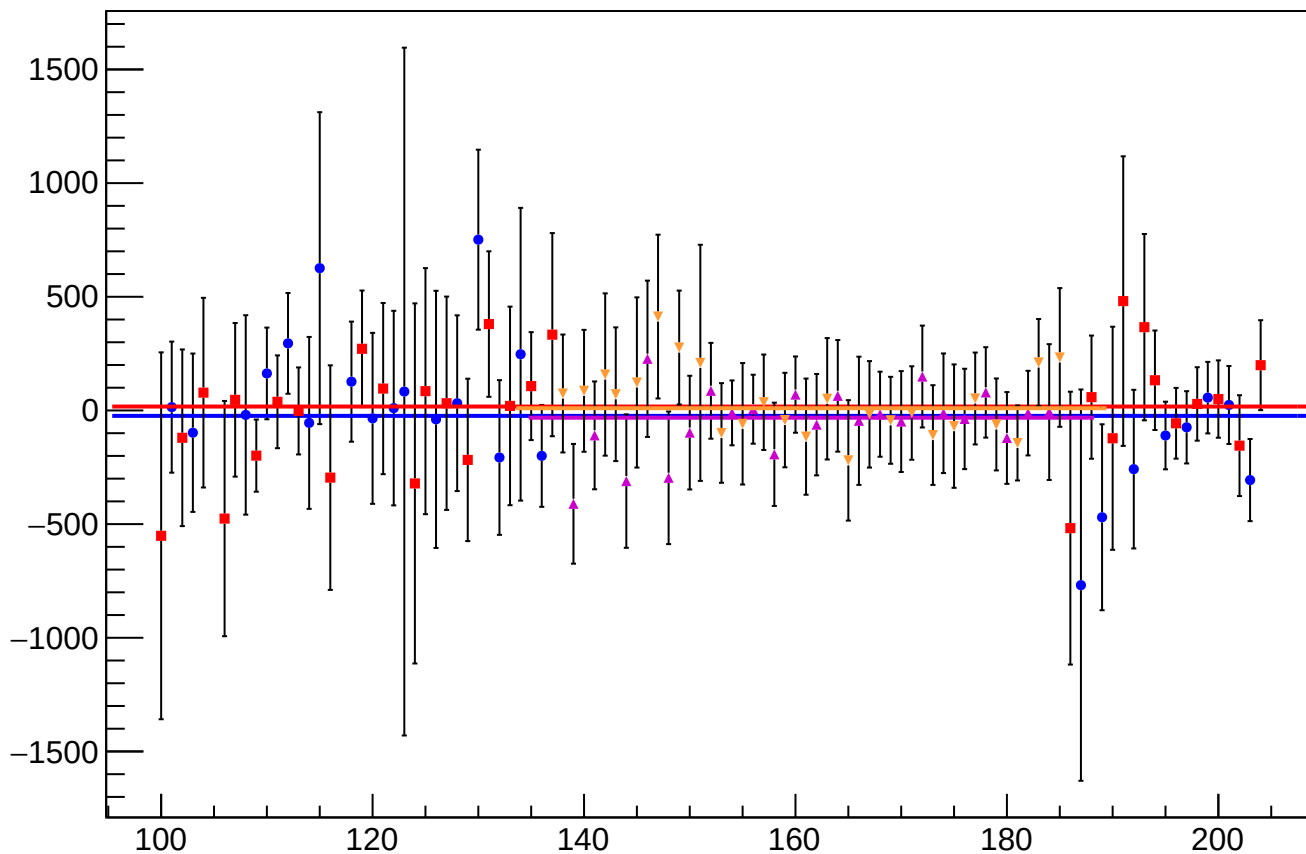
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.693 $\pm$ 0.001 χ^2 /NDF: 300010.9/49

All: 10.703 $\pm$ 0.001 χ^2 /NDF: 684678.2/102

- sign 10.713 $\pm$ 0.001 χ^2 /NDF: 384559.3/52

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -23.844 ± 52.748 χ^2/NDF : 14.8/24

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 17.189 ± 49.455 χ^2/NDF : 11.6/29

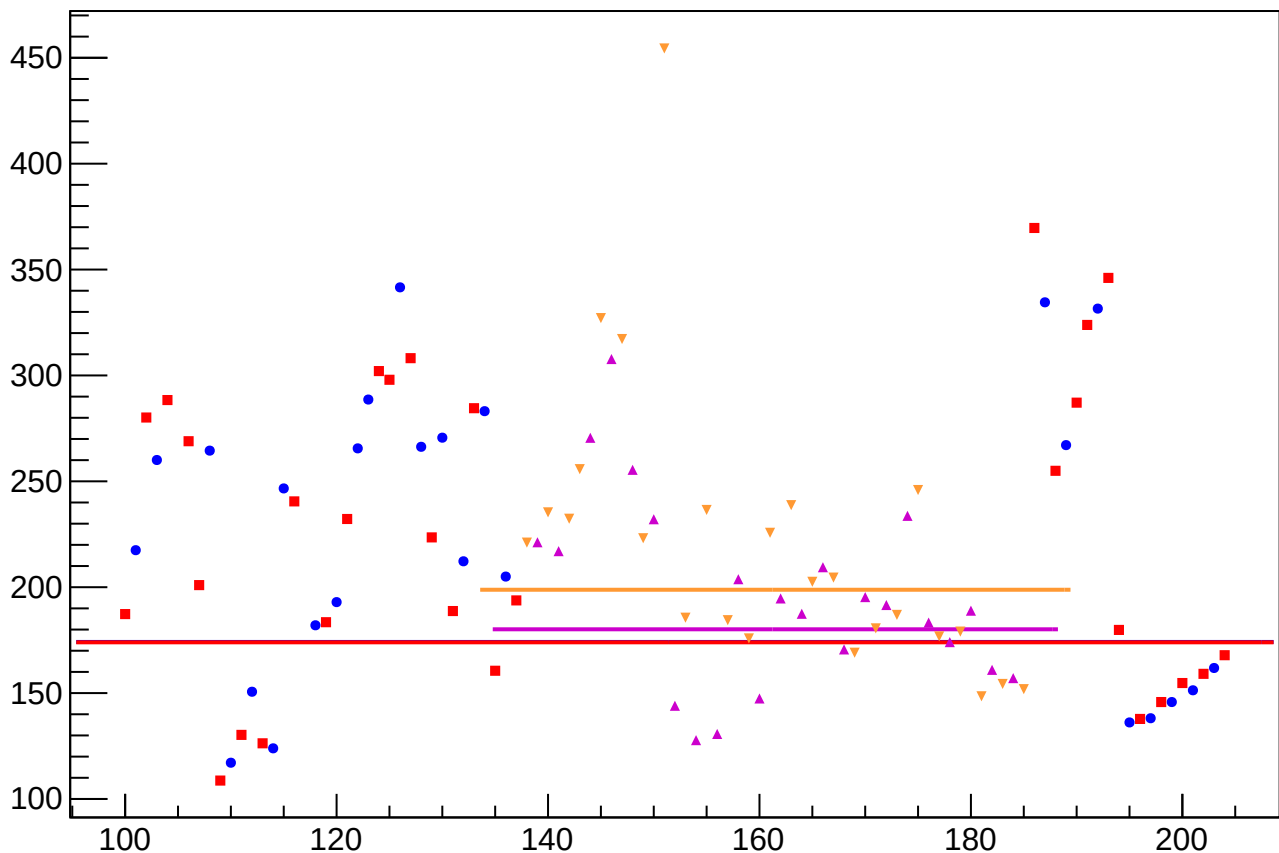
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -5.432 ± 35.493 χ^2/NDF : 22.5/49

All: -7.698 ± 24.285 χ^2/NDF : 41.8/102

- sign -9.693 ± 33.299 χ^2/NDF : 19.3/52

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.147 $\pm$ 0.037 χ^2 /NDF: 2052365.5/24

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF:1763119.1/24

Right Out: 173.975 $\pm$ 0.035 χ^2 /NDF: 2691937.3/29

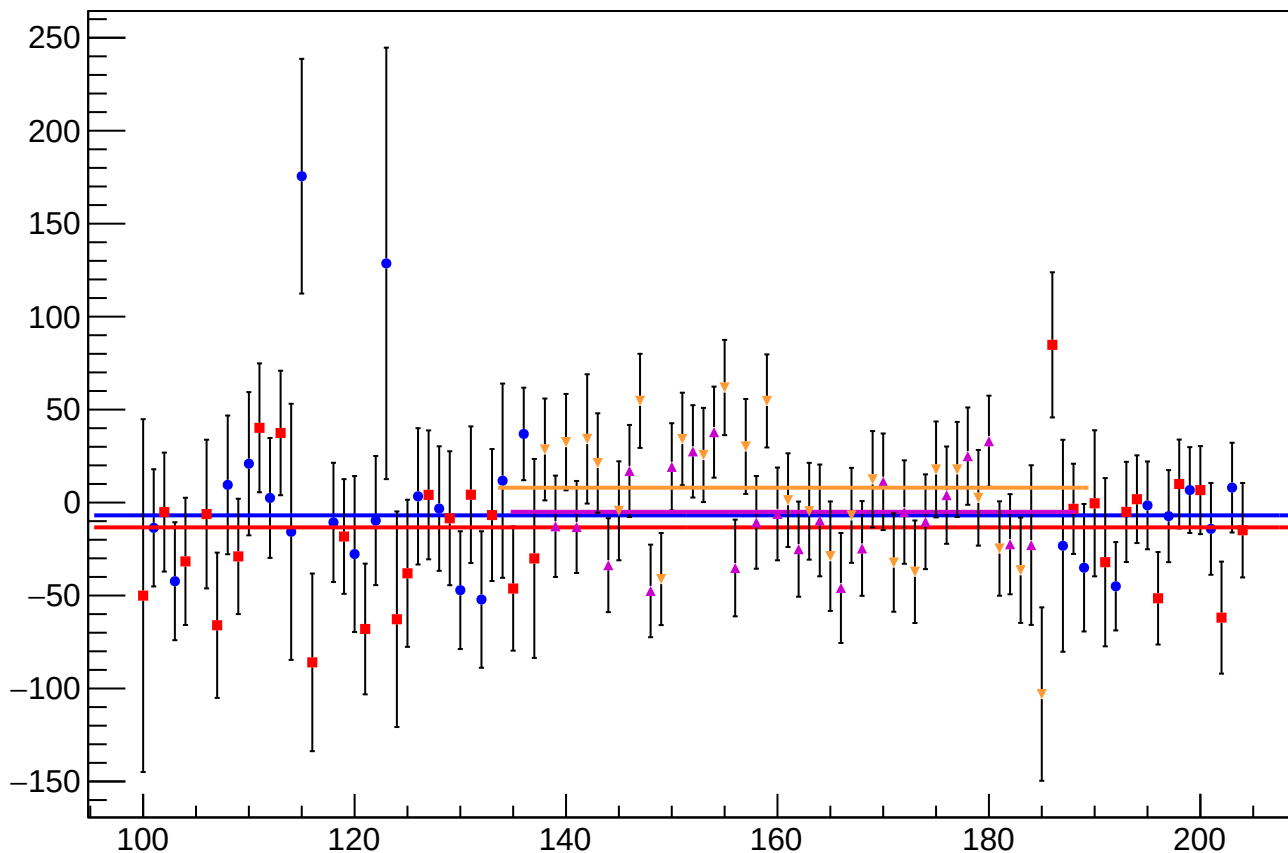
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

+ sign 187.638 $\pm$ 0.025 χ^2 /NDF: 4054557.2/49

All: 182.159 $\pm$ 0.017 χ^2 /NDF: 8446855.8/102

- sign 177.336 $\pm$ 0.024 χ^2 /NDF: 4302673.4/52

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.879 ± 6.427 χ^2/NDF : 22.7/24

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -13.346 ± 5.968 χ^2/NDF : 28.7/29

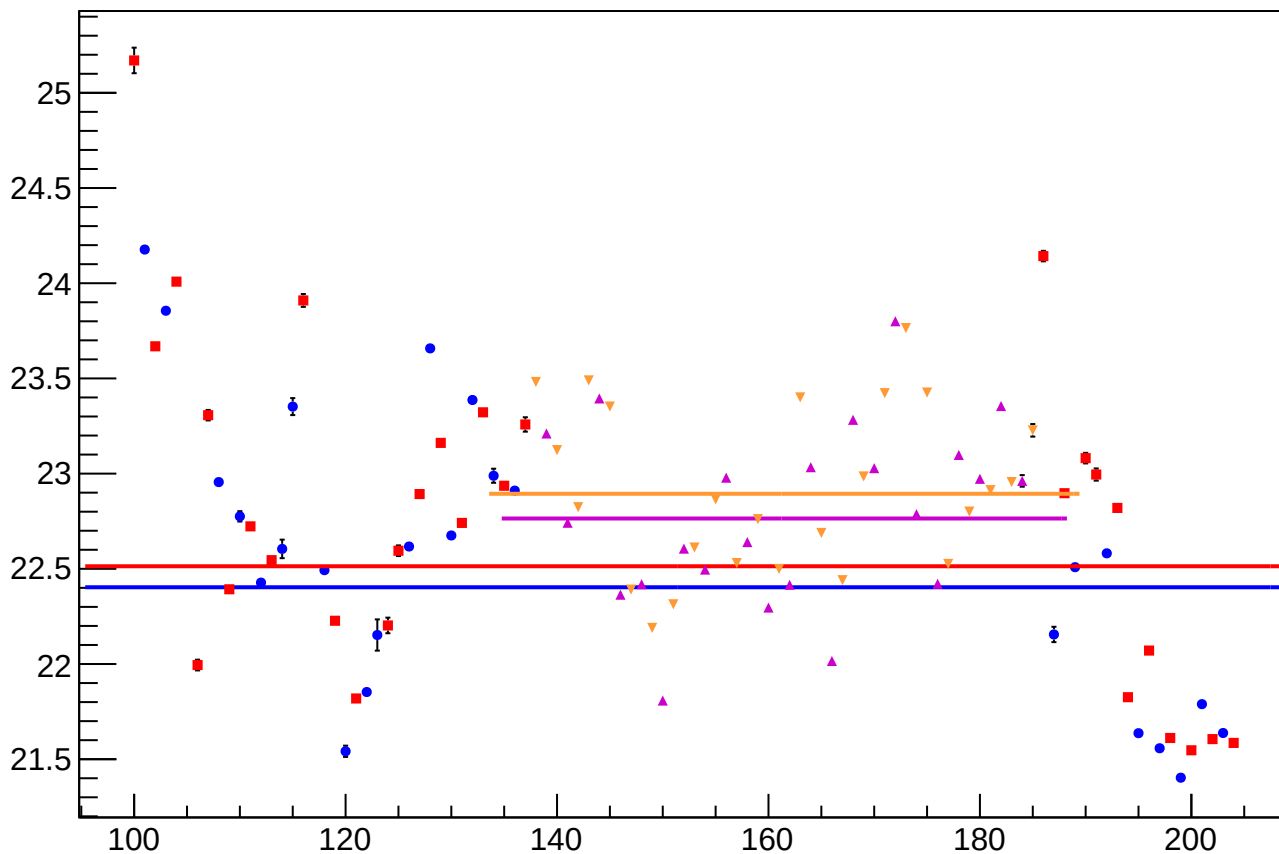
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 1.935 ± 4.101 χ^2/NDF : 63.4/49

All: -3.525 ± 2.872 χ^2/NDF : 117.0/102

- sign -8.776 ± 4.022 χ^2/NDF : 50.2/52

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.403 $\pm$ 0.005 χ^2 /NDF: 30153.8/24

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF:13070.5/24

Right Out: 22.513 $\pm$ 0.004 χ^2 /NDF: 32585.0/29

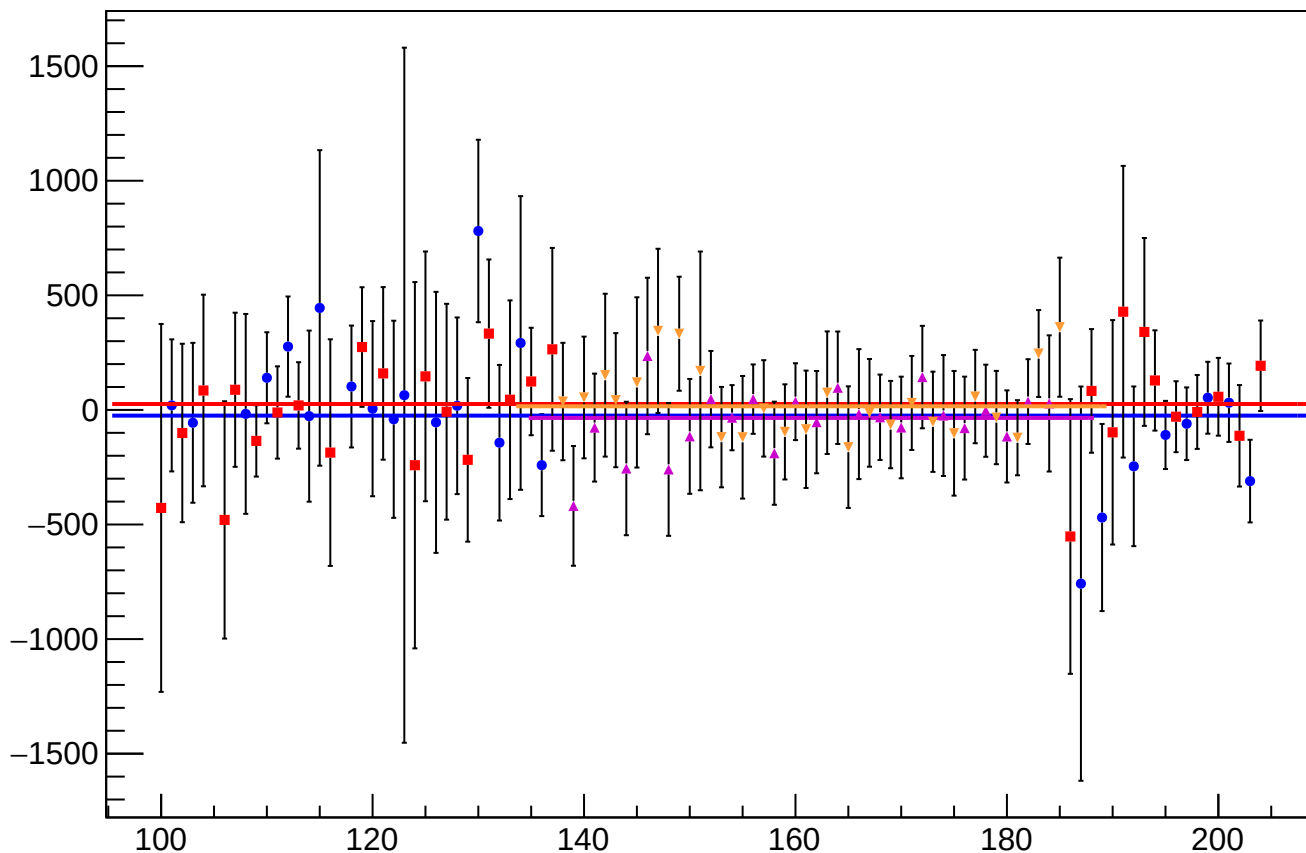
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF:14665.7/22

+ sign 22.694 $\pm$ 0.003 χ^2 /NDF: 50142.8/49

All: 22.672 $\pm$ 0.002 χ^2 /NDF: 99438.3/102

- sign 22.650 $\pm$ 0.003 χ^2 /NDF: 49179.0/52

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -24.896 ± 52.592 χ^2/NDF : 14.3/24

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 25.770 ± 49.222 χ^2/NDF : 9.3/29

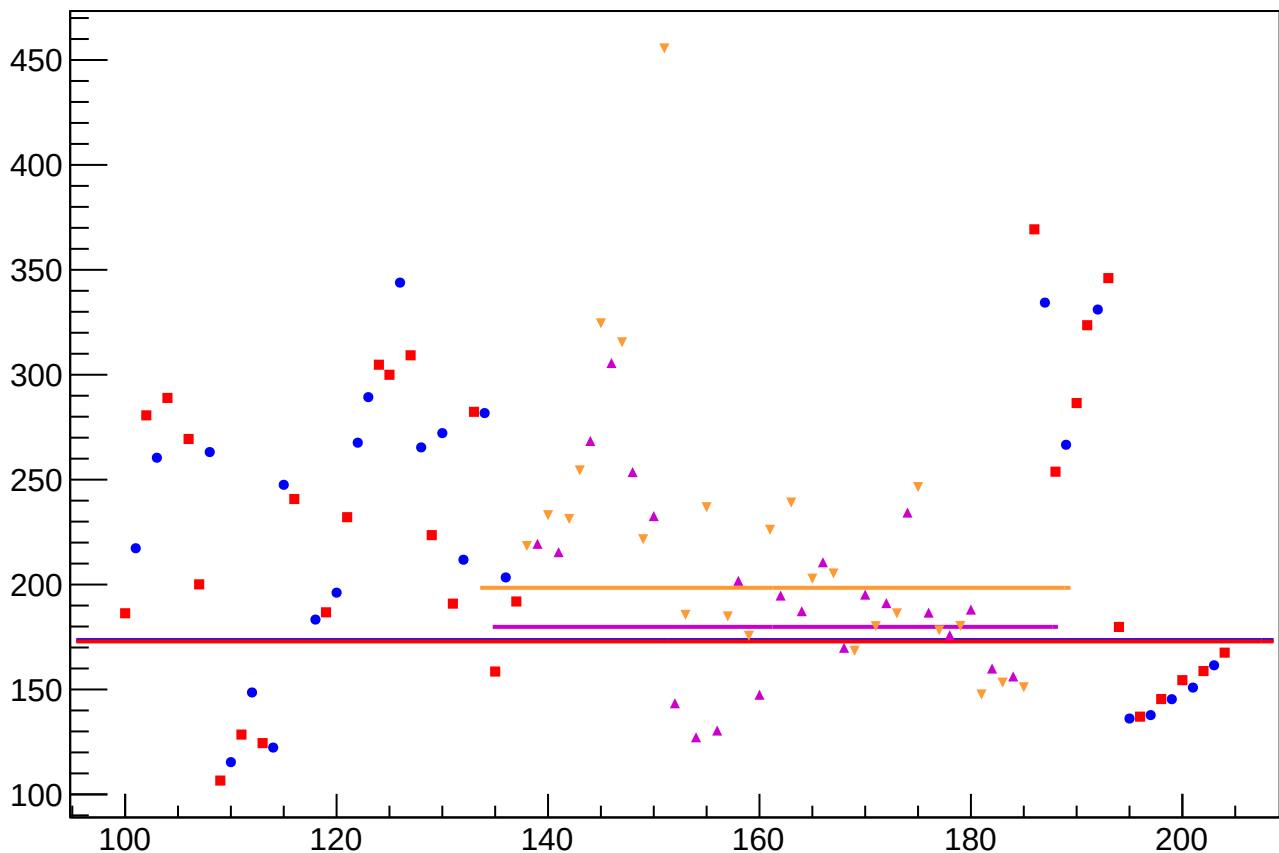
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign -2.595 ± 35.412 χ^2/NDF : 23.1/49

All: -5.103 ± 24.221 χ^2/NDF : 39.8/102

- sign -7.308 ± 33.200 χ^2/NDF : 16.7/52

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.525 $\pm$ 0.037 χ^2 /NDF: 2083405.1/24

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF: 1761433.9/24

Right Out: 172.898 $\pm$ 0.035 χ^2 /NDF: 2763371.3/29

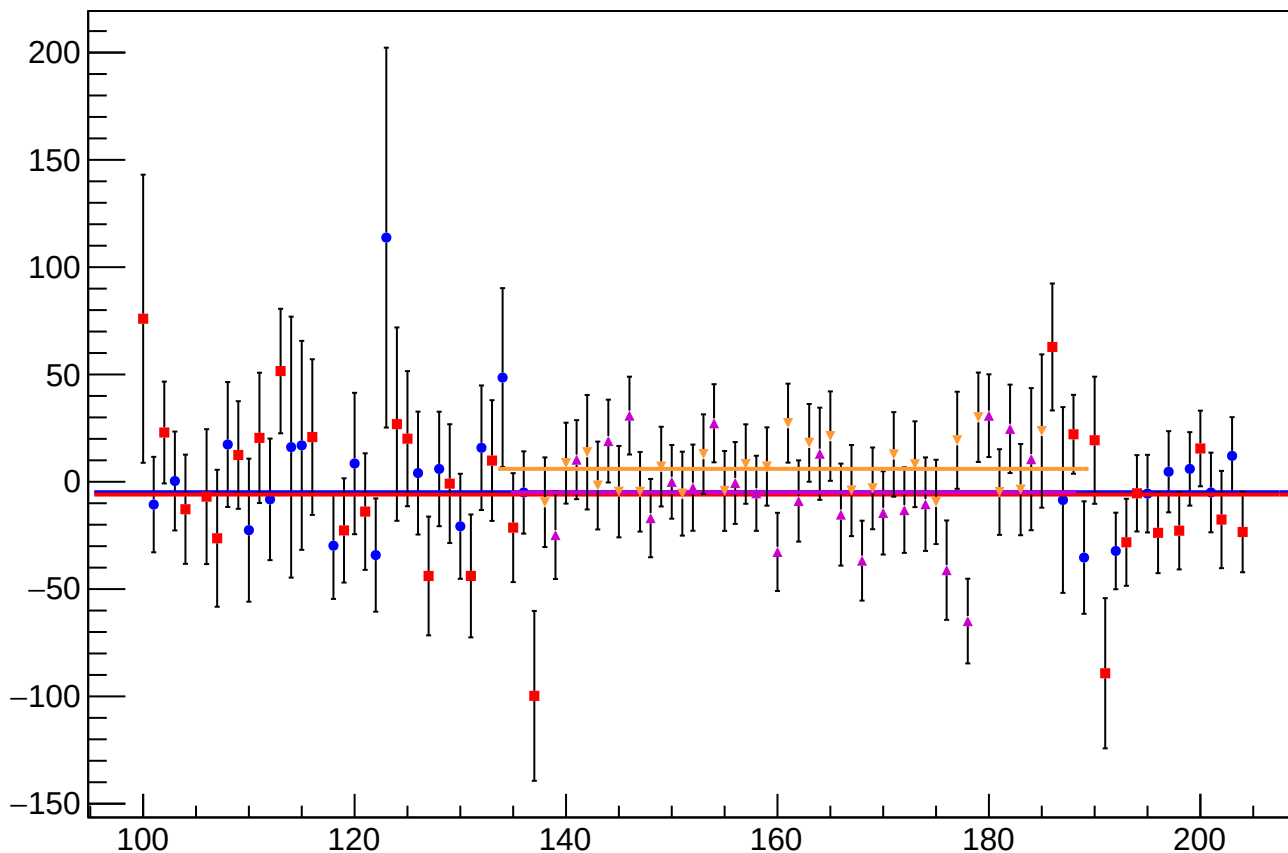
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF: 1588834.3/22

+ sign 187.149 $\pm$ 0.025 χ^2 /NDF: 4090378.2/49

All: 181.578 $\pm$ 0.017 χ^2 /NDF: 8557269.1/102

- sign 176.681 $\pm$ 0.023 χ^2 /NDF: 4373882.7/52

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.861 ± 4.927 $\chi^2/\text{NDF}: 13.6/24$

Left Out: 6.020 ± 4.017 $\chi^2/\text{NDF}: 8.1/24$

Right Out: -5.947 ± 4.585 $\chi^2/\text{NDF}: 40.7/29$

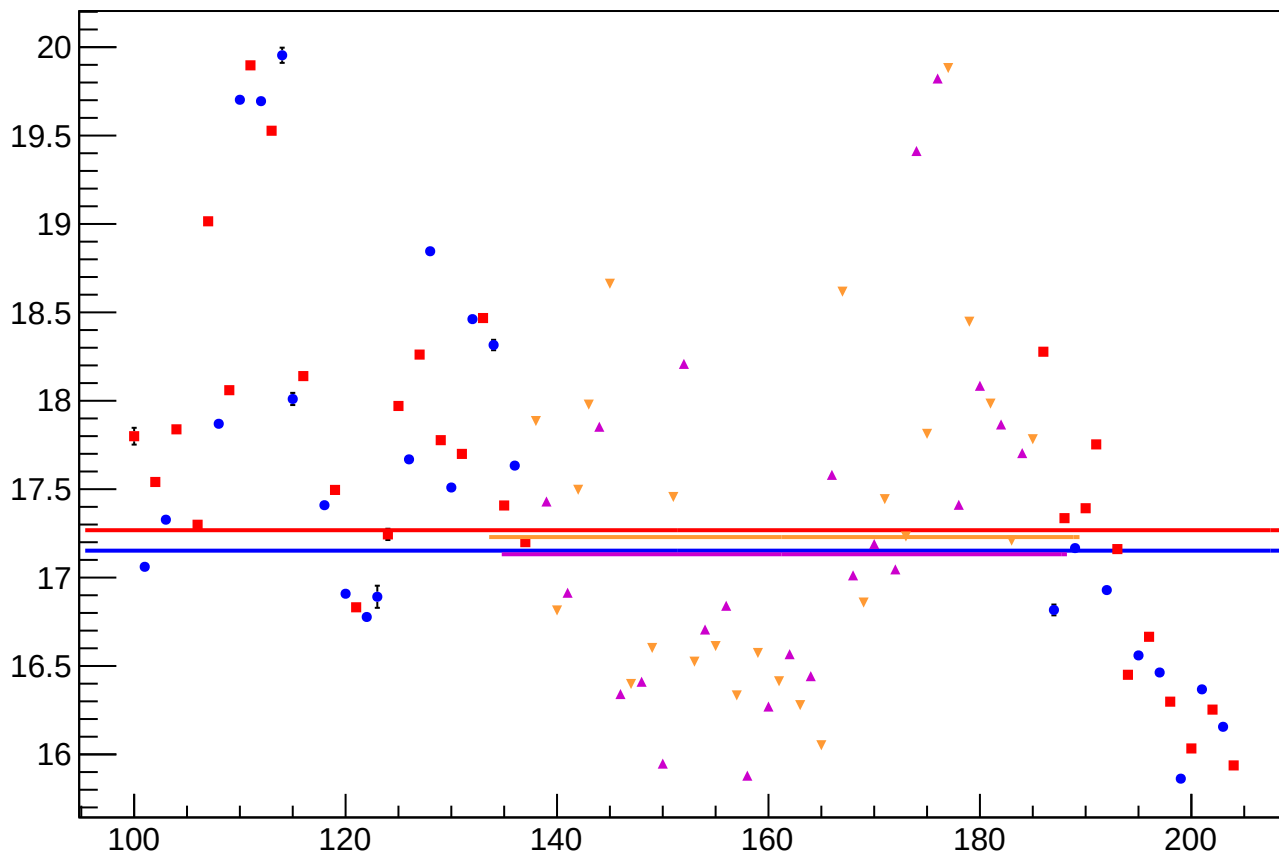
Left In: -4.943 ± 4.108 $\chi^2/\text{NDF}: 34.8/22$

+ sign 1.675 ± 3.114 $\chi^2/\text{NDF}: 24.7/49$

All: -1.919 ± 2.182 $\chi^2/\text{NDF}: 102.8/102$

- sign -5.390 ± 3.059 $\chi^2/\text{NDF}: 75.6/52$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.152 $\pm$ 0.003 χ^2 /NDF: 77082.9/24

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 17.268 $\pm$ 0.003 χ^2 /NDF: 85540.2/29

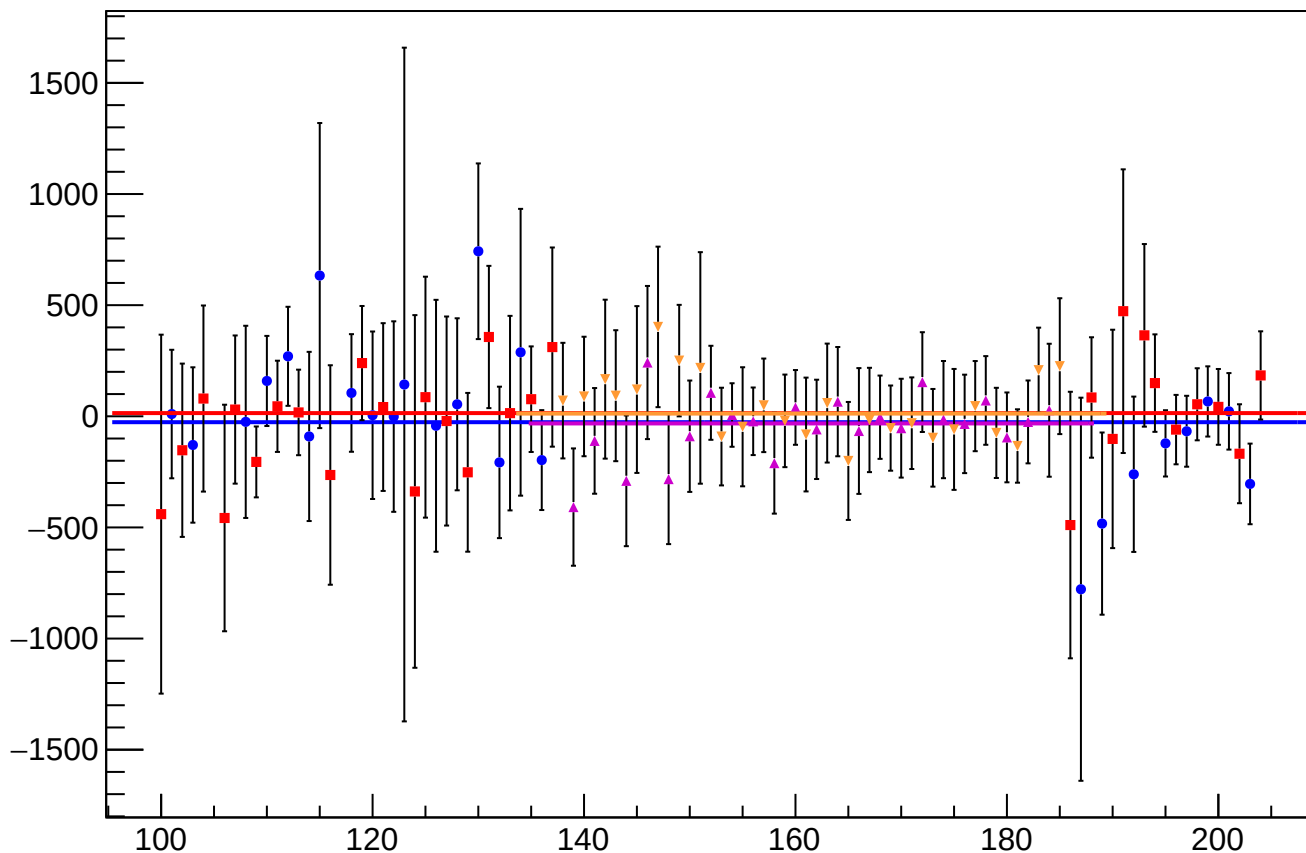
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 17.198 $\pm$ 0.002 χ^2 /NDF: 175999.7/49

All: 17.195 $\pm$ 0.002 χ^2 /NDF: 366518.5/102

- sign 17.192 $\pm$ 0.002 χ^2 /NDF: 190515.1/52

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -26.523 $\pm$ 52.908 χ^2 /NDF: 14.6/24

Left Out: 12.474 $\pm$ 48.086 χ^2 /NDF: 6.8/24

Right Out: 14.423 $\pm$ 49.577 χ^2 /NDF: 11.0/29

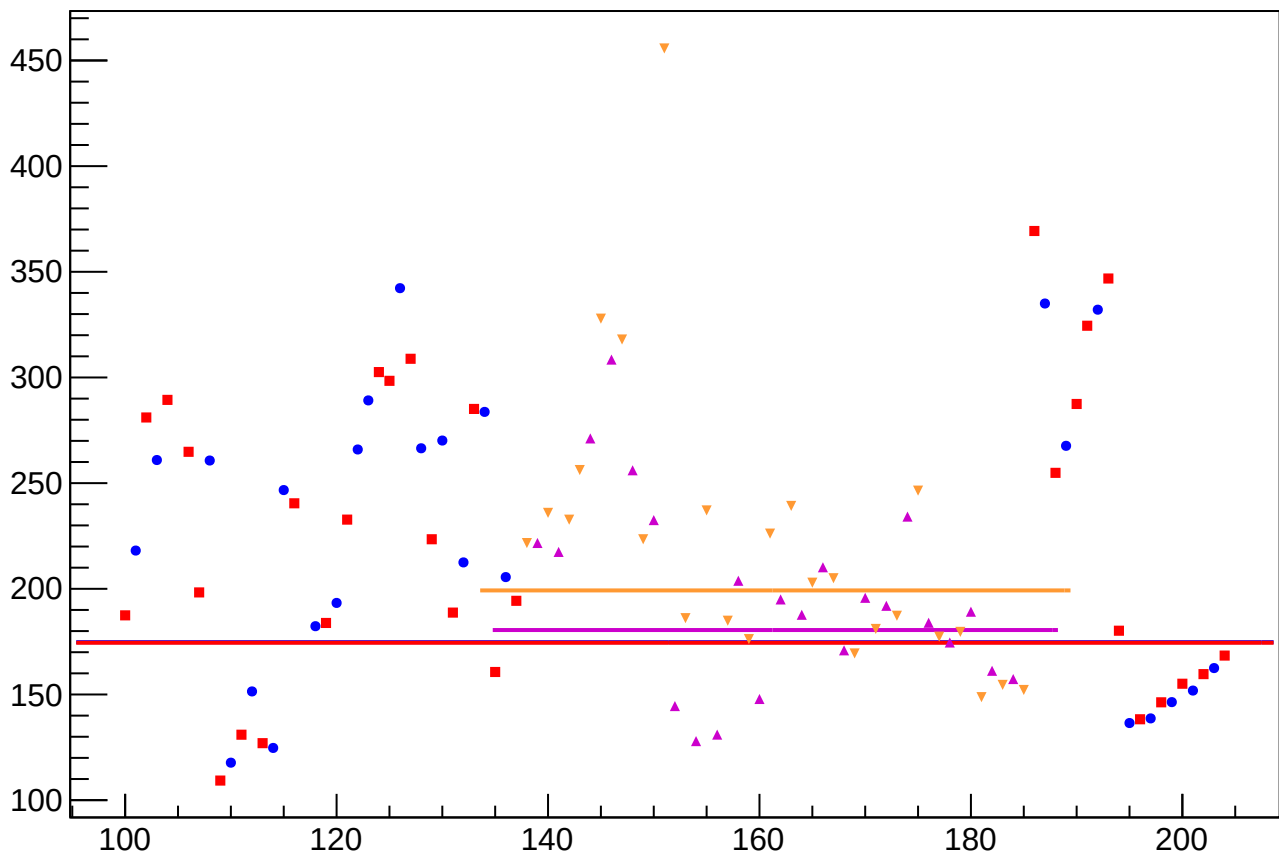
Left In: -32.159 $\pm$ 45.131 χ^2 /NDF: 6.9/22

+ sign -5.166 $\pm$ 35.585 χ^2 /NDF: 21.7/49

All: -8.297 $\pm$ 24.343 χ^2 /NDF: 40.1/102

- sign -11.050 $\pm$ 33.374 χ^2 /NDF: 18.4/52

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.748 $\pm$ 0.037 χ^2 /NDF: 2033924.5/24

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF: 1764097.7/24

Right Out: 174.485 $\pm$ 0.035 χ^2 /NDF: 2667956.6/29

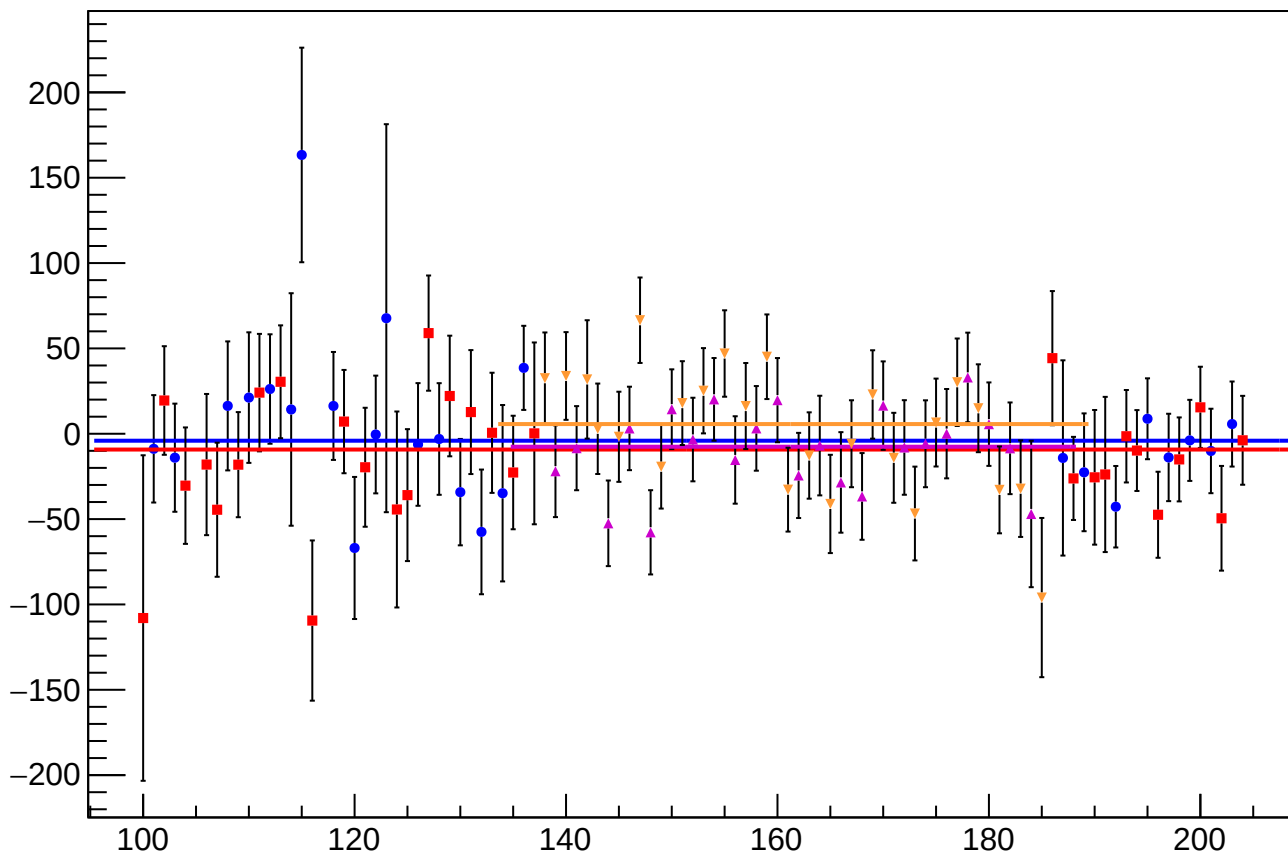
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF: 1593784.1/22

+ sign 188.161 $\pm$ 0.025 χ^2 /NDF: 4032748.8/49

All: 182.633 $\pm$ 0.017 χ^2 /NDF: 8401276.2/102

- sign 177.771 $\pm$ 0.024 χ^2 /NDF: 4277805.1/52

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.076 ± 6.446 $\chi^2/\text{NDF}: 22.0/24$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -9.252 ± 5.977 $\chi^2/\text{NDF}: 24.8/29$

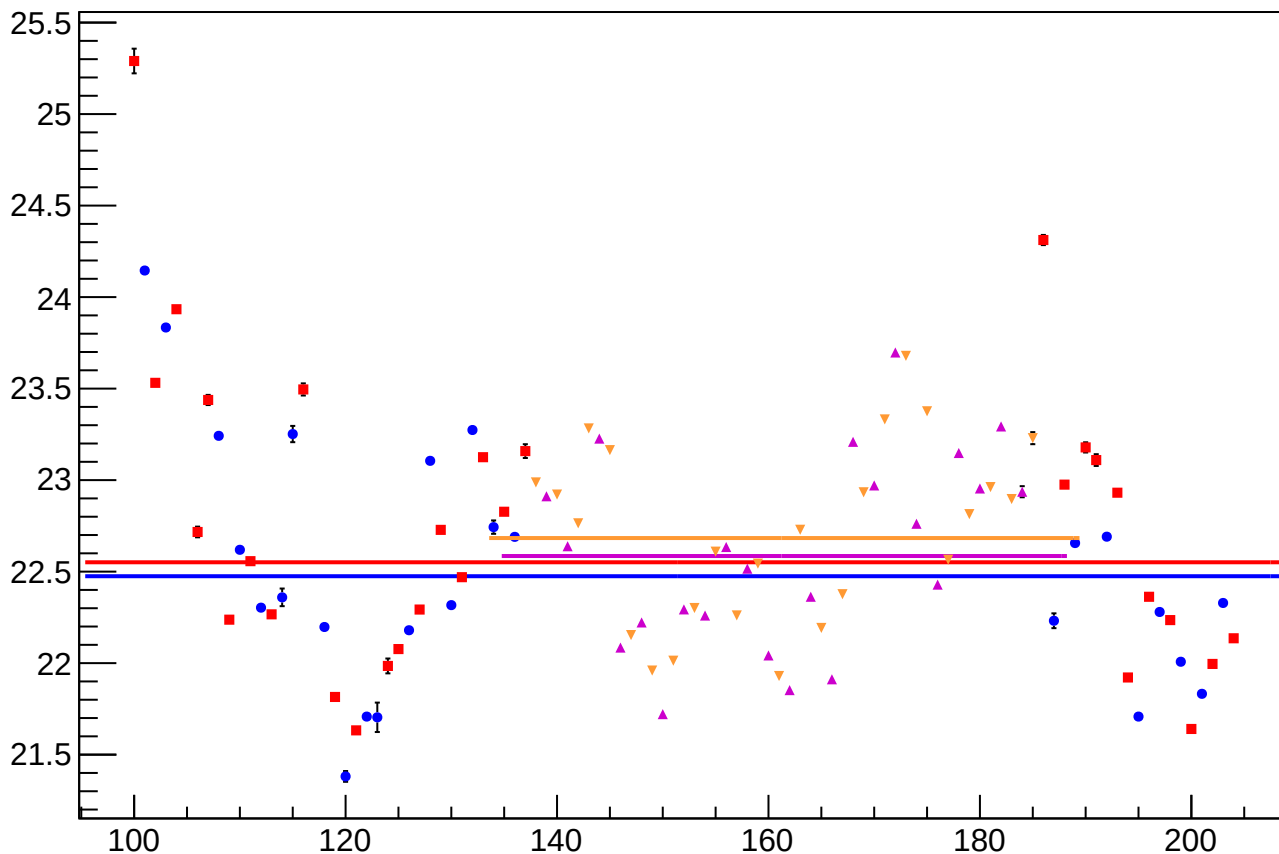
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 1.760 ± 4.084 $\chi^2/\text{NDF}: 59.8/49$

All: -3.384 ± 2.860 $\chi^2/\text{NDF}: 106.1/102$

- sign -8.339 ± 4.008 $\chi^2/\text{NDF}: 43.1/52$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.475+/-0.005 χ^2/NDF : 19907.7/24

Left Out: 22.683+/-0.004 χ^2/NDF : 16318.1/24

Right Out: 22.551+/-0.004 χ^2/NDF : 25005.0/29

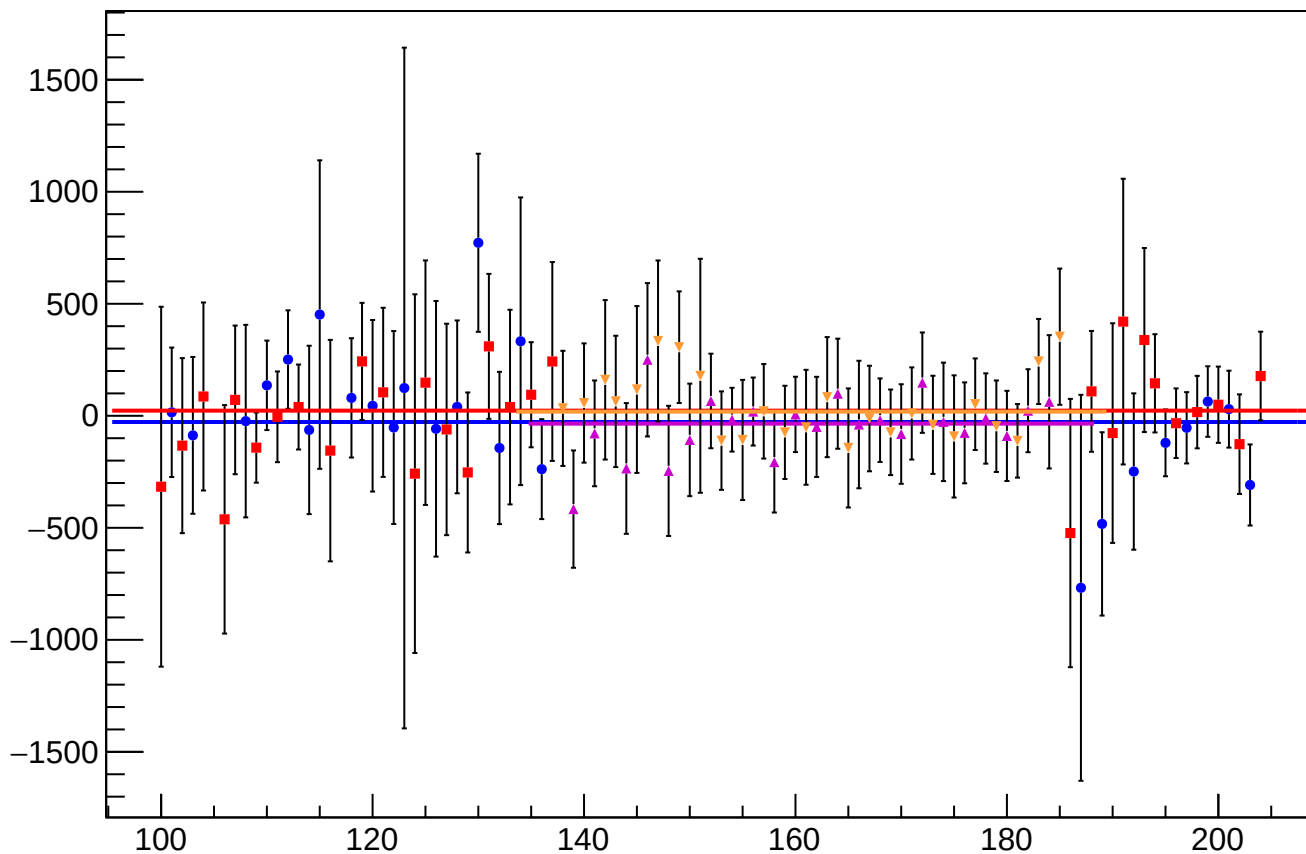
Left In: 22.585+/-0.004 χ^2/NDF : 18087.5/22

+ sign 22.600+/-0.003 χ^2/NDF : 37479.1/49

All: 22.585+/-0.002 χ^2/NDF : 80662.1/102

- sign 22.570+/-0.003 χ^2/NDF : 43128.5/52

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -27.654 $\pm$ 52.753 χ^2 /NDF: 14.1/24

Left Out: 18.633 $\pm$ 48.006 χ^2 /NDF: 7.6/24

Right Out: 23.071 $\pm$ 49.345 χ^2 /NDF: 8.7/29

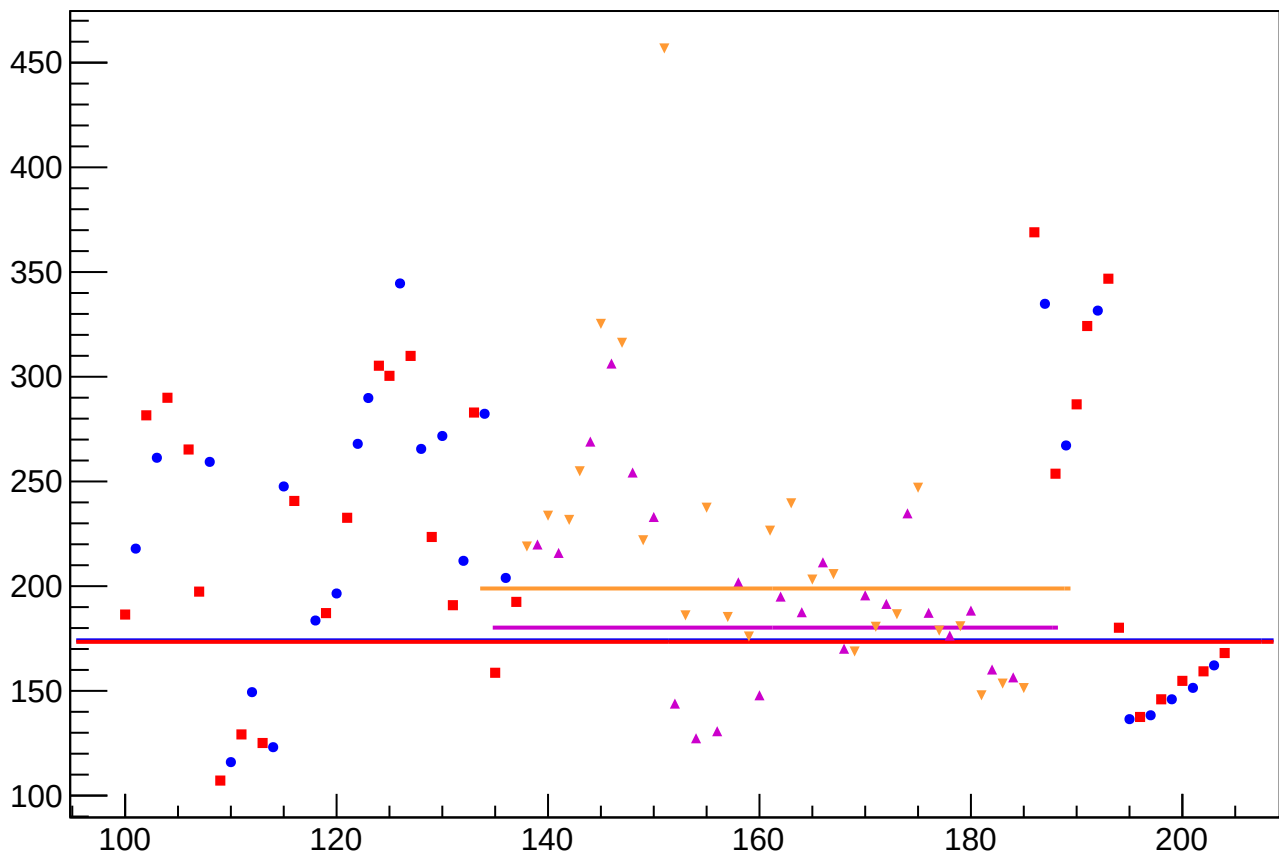
Left In: -35.046 $\pm$ 45.063 χ^2 /NDF: 6.3/22

+ sign -2.334 $\pm$ 35.505 χ^2 /NDF: 22.1/49

All: -5.680 $\pm$ 24.279 χ^2 /NDF: 37.9/102

- sign -8.618 $\pm$ 33.275 χ^2 /NDF: 15.8/52

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.132 $\pm$ 0.037 χ^2 /NDF: 2064361.0/24

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 173.417 $\pm$ 0.035 χ^2 /NDF: 2738419.2/29

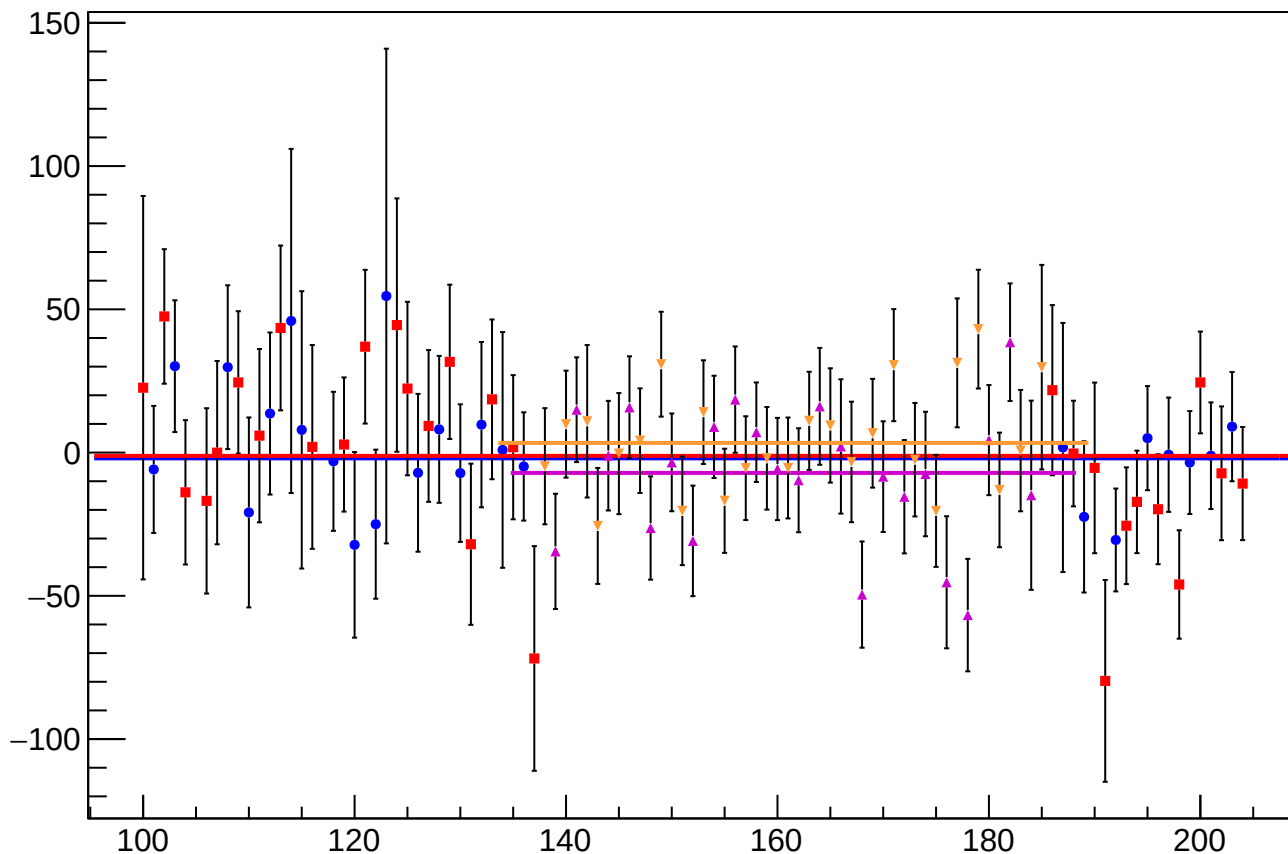
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 187.675 $\pm$ 0.025 χ^2 /NDF: 4067786.5/49

All: 182.056 $\pm$ 0.017 χ^2 /NDF: 8509984.2/102

- sign 177.119 $\pm$ 0.024 χ^2 /NDF: 4348076.6/52

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.012 ± 4.952 χ^2/NDF : 10.7/24

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -1.140 ± 4.599 χ^2/NDF : 35.6/29

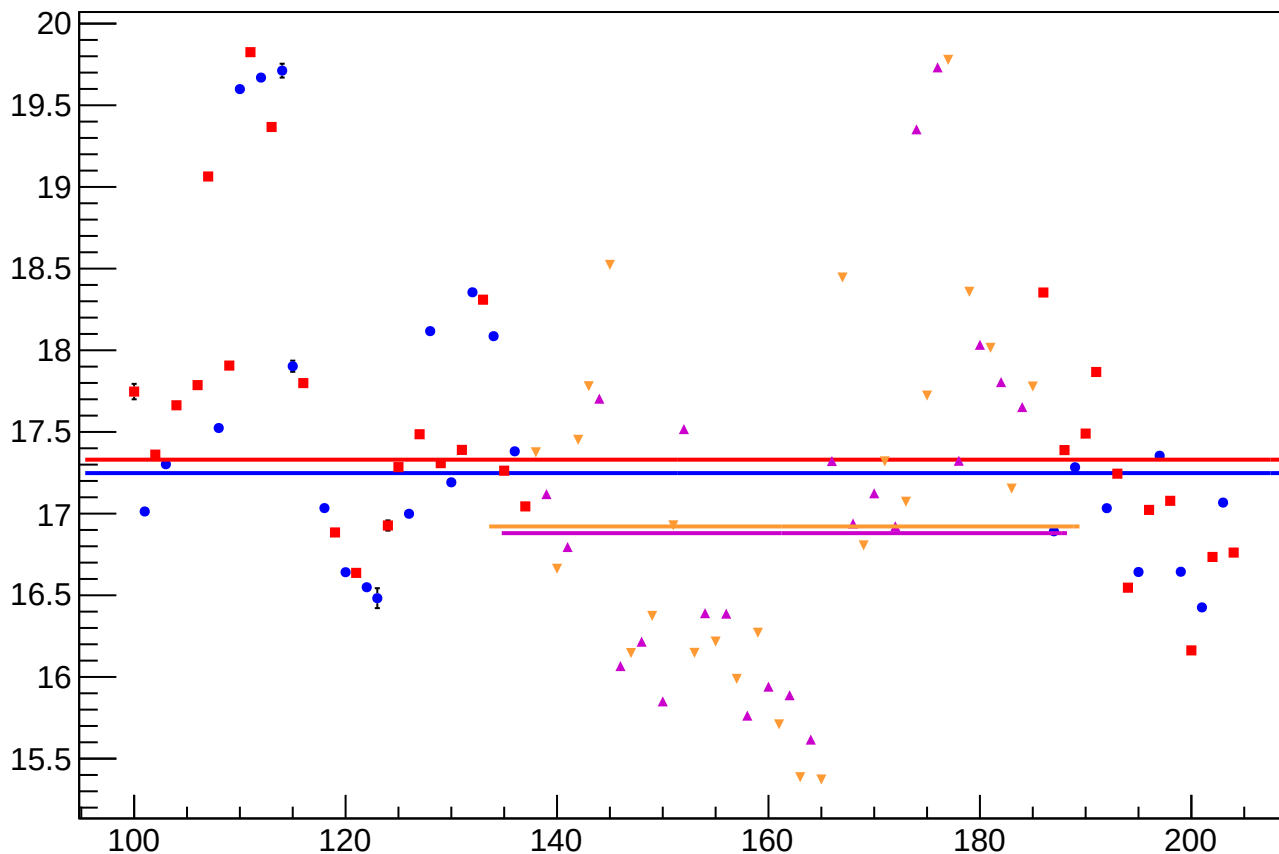
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 1.280 ± 3.086 χ^2/NDF : 30.2/49

All: -1.654 ± 2.165 χ^2/NDF : 101.0/102

- sign -4.498 ± 3.038 χ^2/NDF : 69.0/52

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.248 ± 0.004 $\chi^2/\text{NDF}: 46713.8/24$

Left Out: 16.921 ± 0.003 $\chi^2/\text{NDF}: 138990.4/24$

Right Out: 17.330 ± 0.003 $\chi^2/\text{NDF}: 55914.7/29$

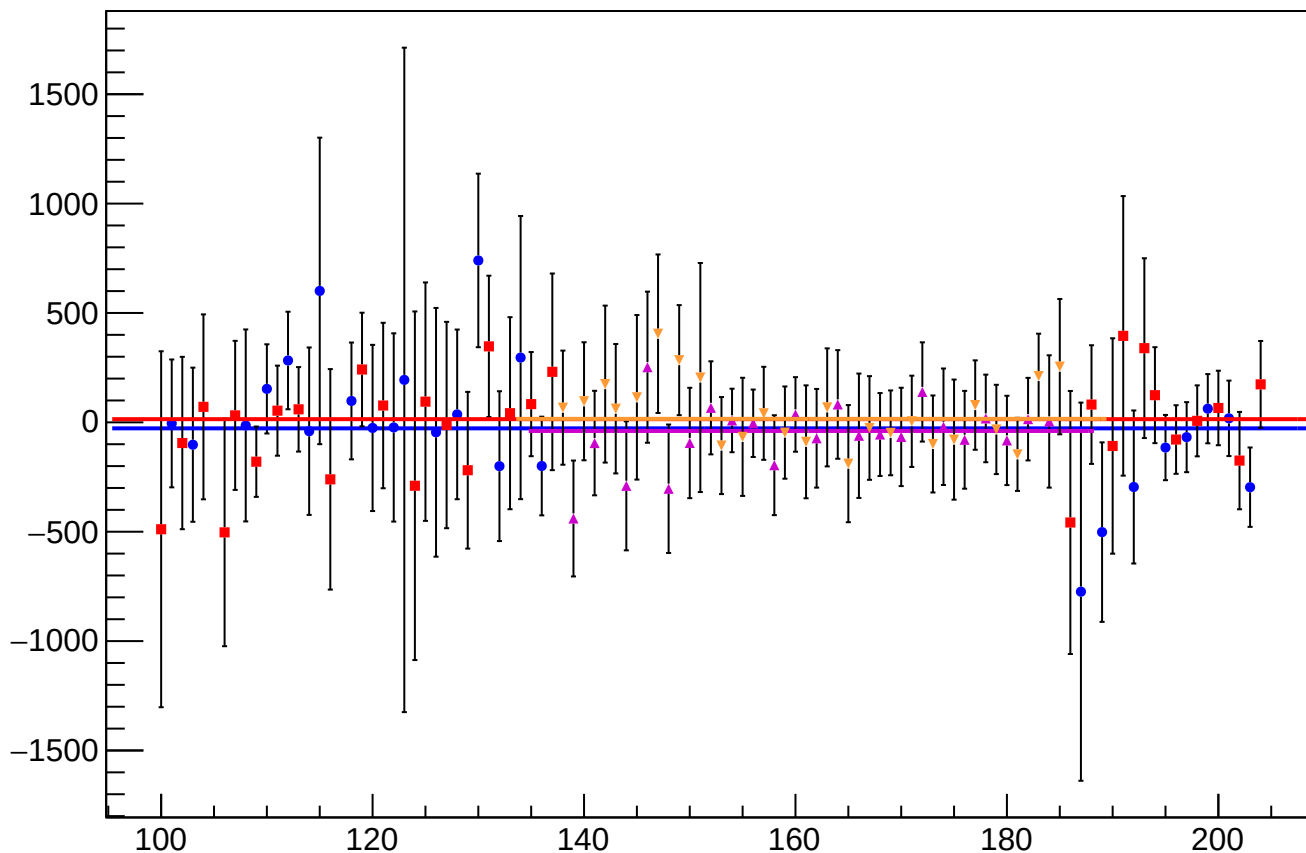
Left In: 16.880 ± 0.003 $\chi^2/\text{NDF}: 121736.1/22$

+ sign 17.048 ± 0.002 $\chi^2/\text{NDF}: 191025.0/49$

All: 17.063 ± 0.002 $\chi^2/\text{NDF}: 379545.3/102$

- sign 17.077 ± 0.002 $\chi^2/\text{NDF}: 188434.1/52$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -27.489 ± 53.087 χ^2/NDF : 14.3/24

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 14.531 ± 49.769 χ^2/NDF : 9.9/29

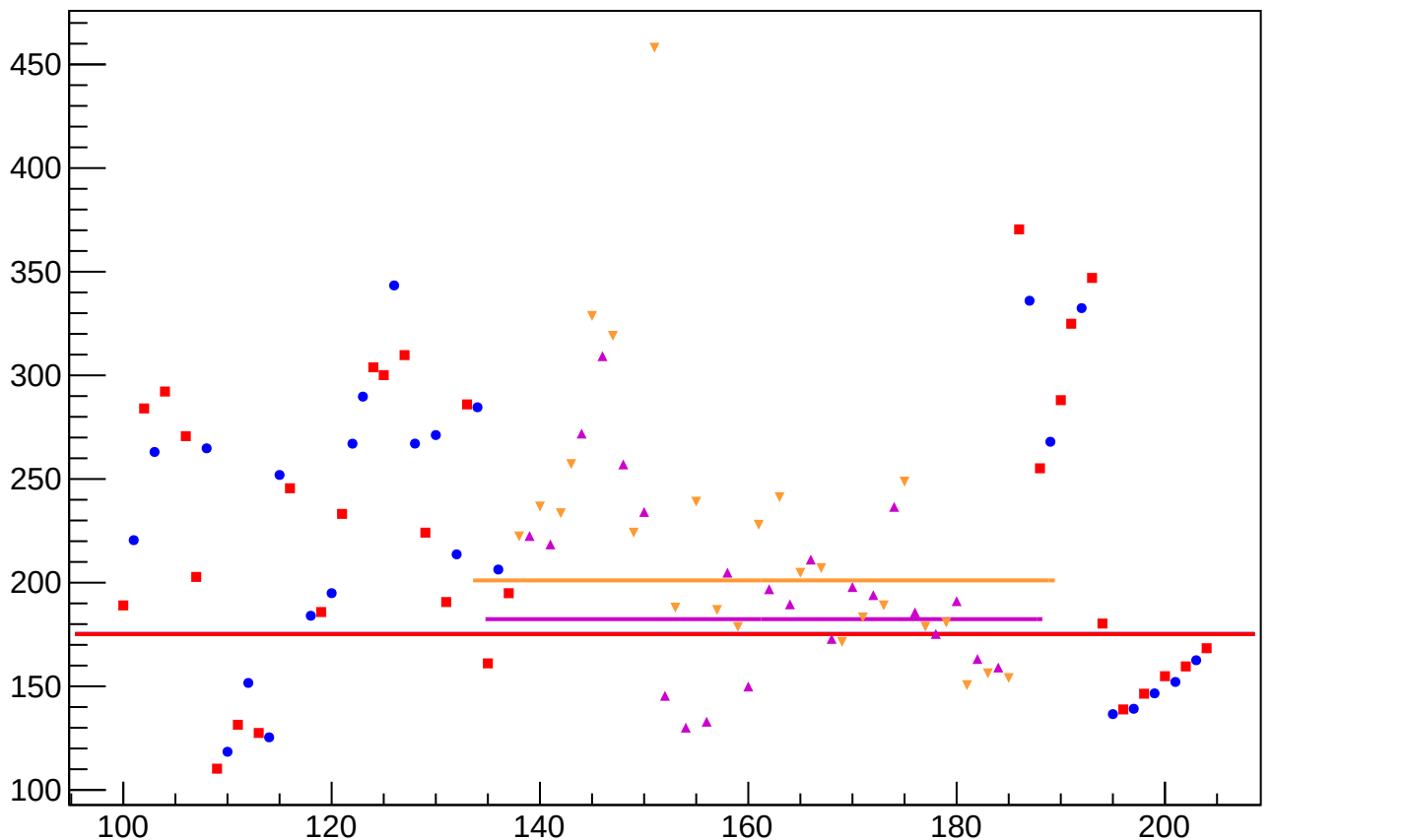
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -3.803 ± 35.808 χ^2/NDF : 22.1/49

All: -9.645 ± 24.506 χ^2/NDF : 39.5/102

- sign -14.792 ± 33.610 χ^2/NDF : 17.4/52

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.298 $\pm$ 0.038 χ^2 /NDF: 2048082.8/24

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 175.163 $\pm$ 0.035 χ^2 /NDF: 2676490.1/29

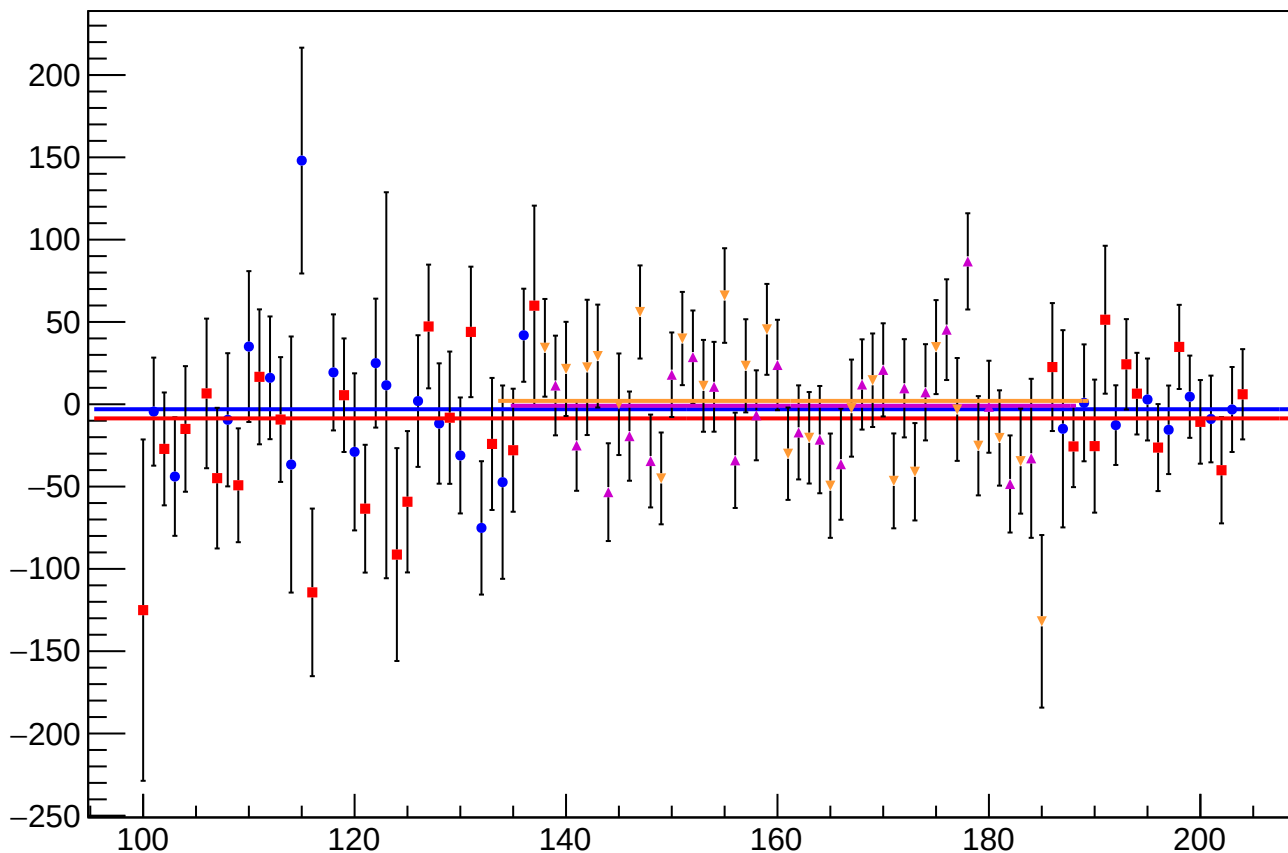
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 189.356 $\pm$ 0.025 χ^2 /NDF: 4036485.3/49

All: 183.902 $\pm$ 0.017 χ^2 /NDF: 8372126.8/102

- sign 179.097 $\pm$ 0.024 χ^2 /NDF: 4248376.2/52

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -3.017 ± 6.983 χ^2/NDF : 16.1/24

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -8.585 ± 6.429 χ^2/NDF : 28.8/29

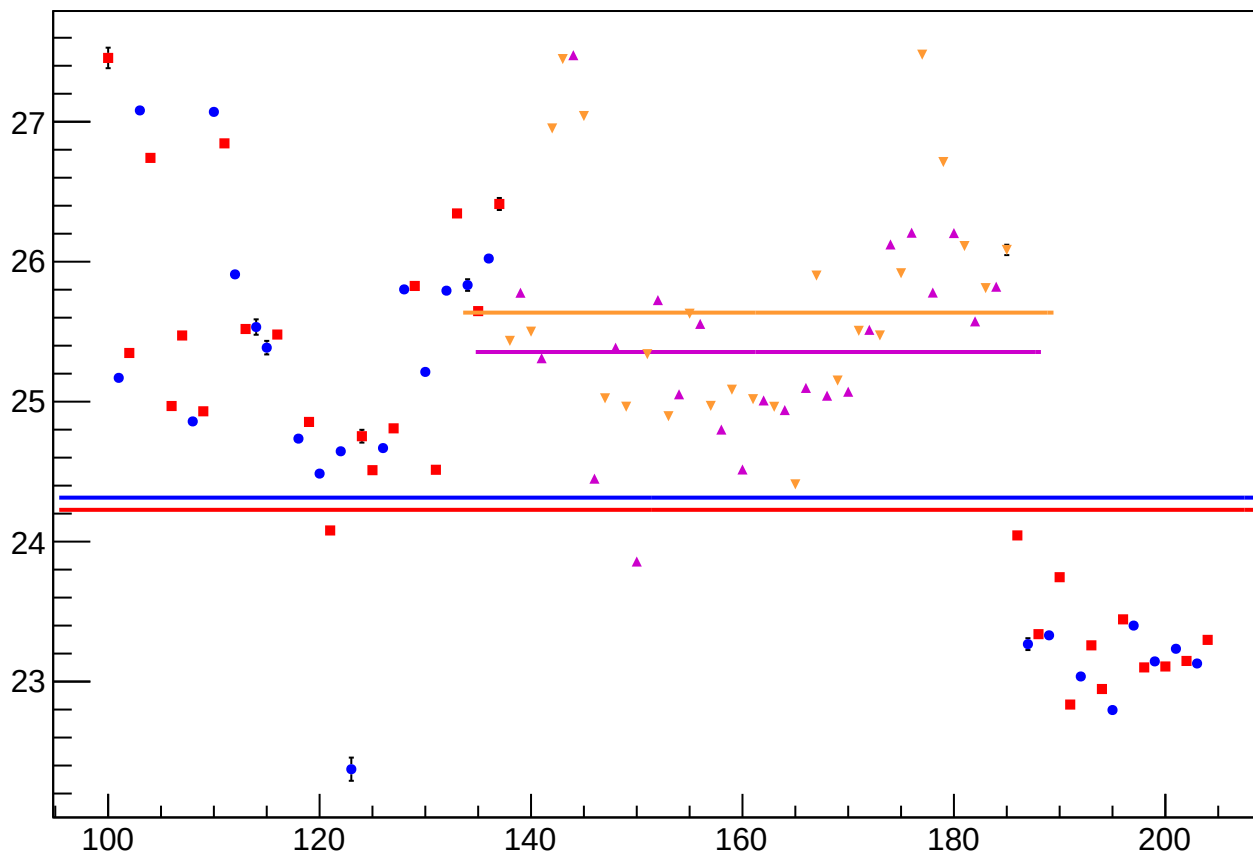
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign -0.087 ± 4.538 χ^2/NDF : 55.9/49

All: -2.366 ± 3.164 χ^2/NDF : 113.0/102

- sign -4.522 ± 4.413 χ^2/NDF : 56.6/52

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.314 $\pm$ 0.005 χ^2/NDF : 71915.6/24

Left Out: 25.636 $\pm$ 0.004 χ^2/NDF : 35130.7/24

Right Out: 24.227 $\pm$ 0.005 χ^2/NDF : 69931.5/29

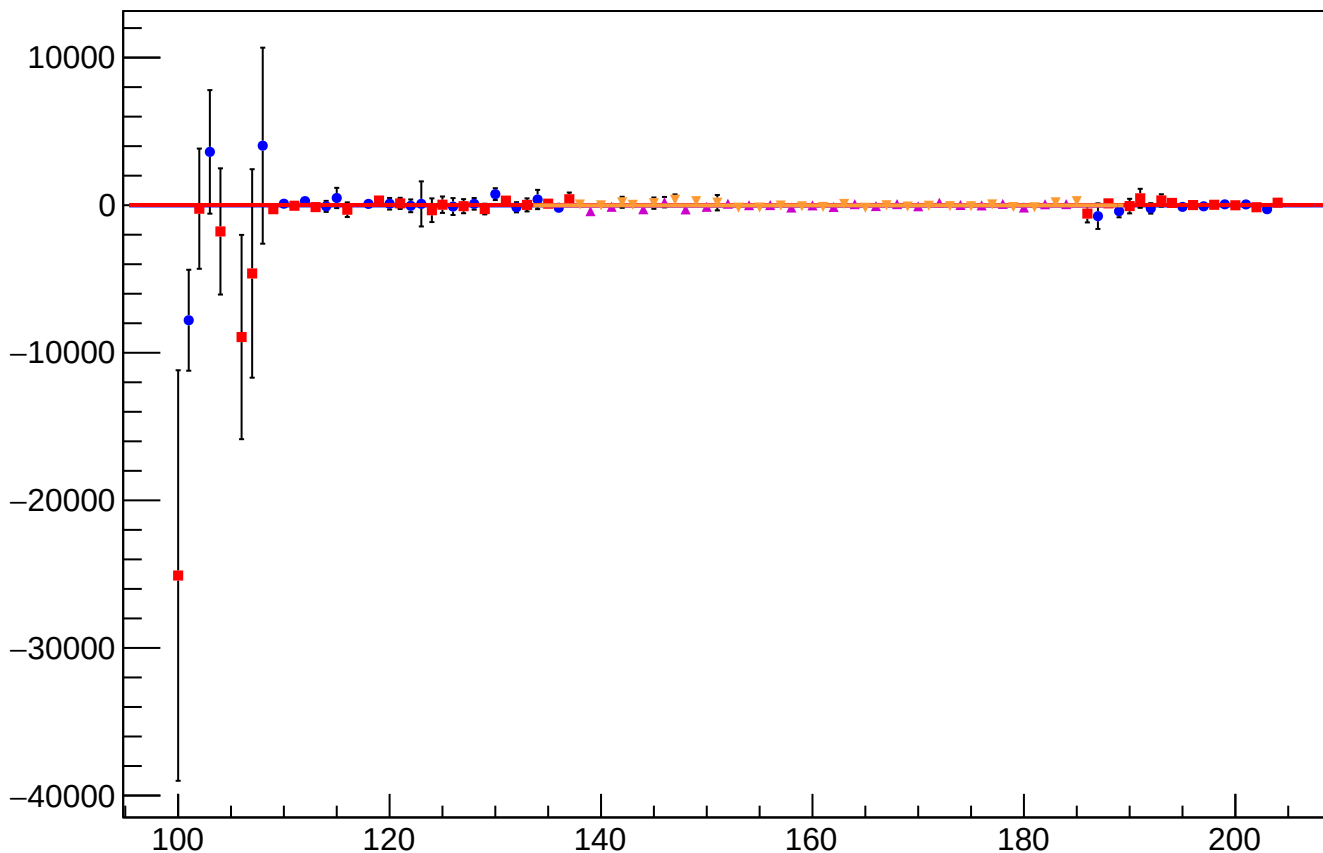
Left In: 25.355 $\pm$ 0.004 χ^2/NDF : 29766.2/22

+ sign 25.078 $\pm$ 0.003 χ^2/NDF : 148447.2/49

All: 24.947 $\pm$ 0.002 χ^2/NDF : 283919.4/102

- sign 24.823 $\pm$ 0.003 χ^2/NDF : 132235.6/52

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -17.257 $\pm$ 56.081 χ^2 /NDF: 18.6/24

Left Out: -12.820 $\pm$ 48.216 χ^2 /NDF: 7.9/24

Right Out: 14.898 $\pm$ 53.430 χ^2 /NDF: 15.8/29

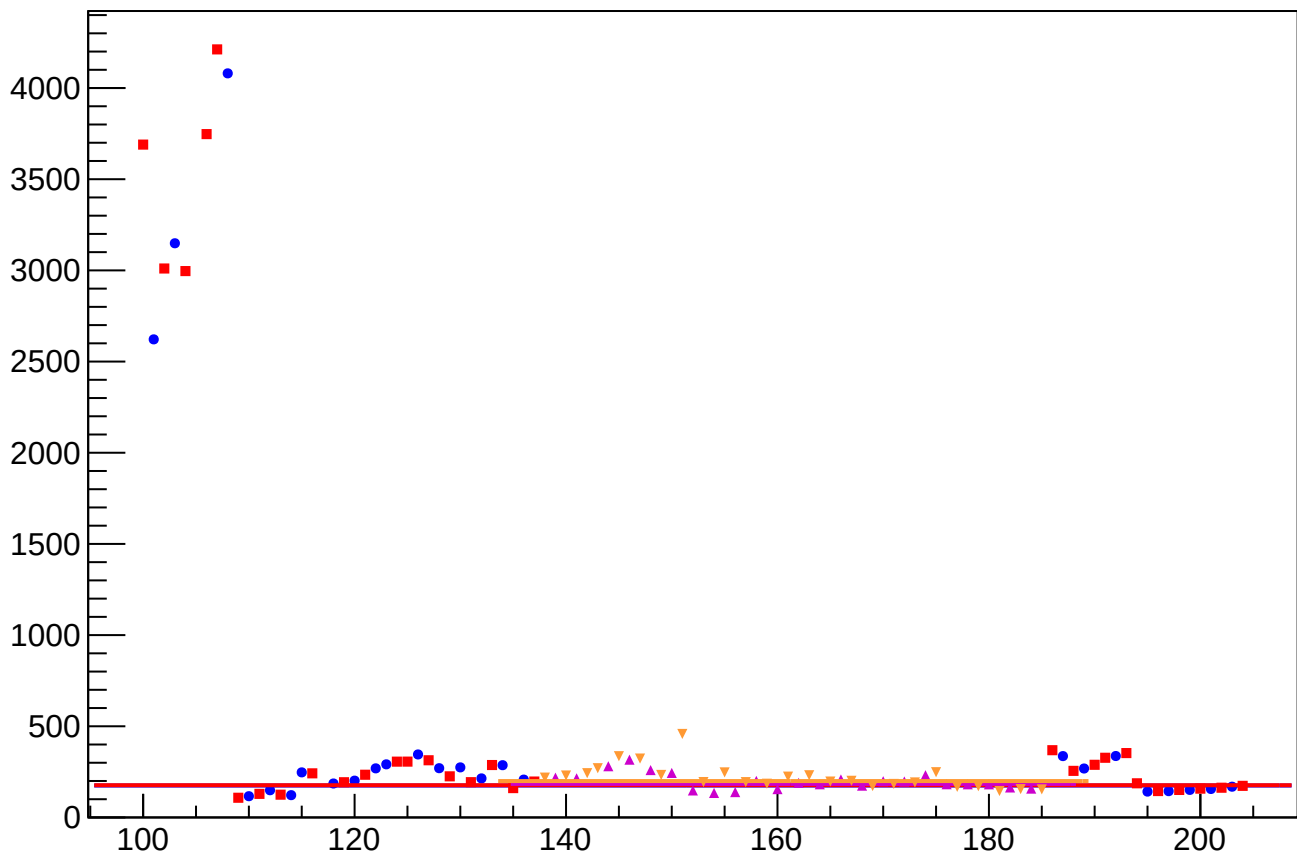
Left In: -26.836 $\pm$ 45.876 χ^2 /NDF: 7.5/22

+ sign -14.706 $\pm$ 36.561 χ^2 /NDF: 26.5/49

All: -11.779 $\pm$ 25.209 χ^2 /NDF: 50.1/102

- sign -9.126 $\pm$ 34.806 χ^2 /NDF: 23.6/52

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.008 $\pm$ 0.040 χ^2 /NDF: 4465293.9/24

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 176.715 $\pm$ 0.038 χ^2 /NDF: 5308110.0/29

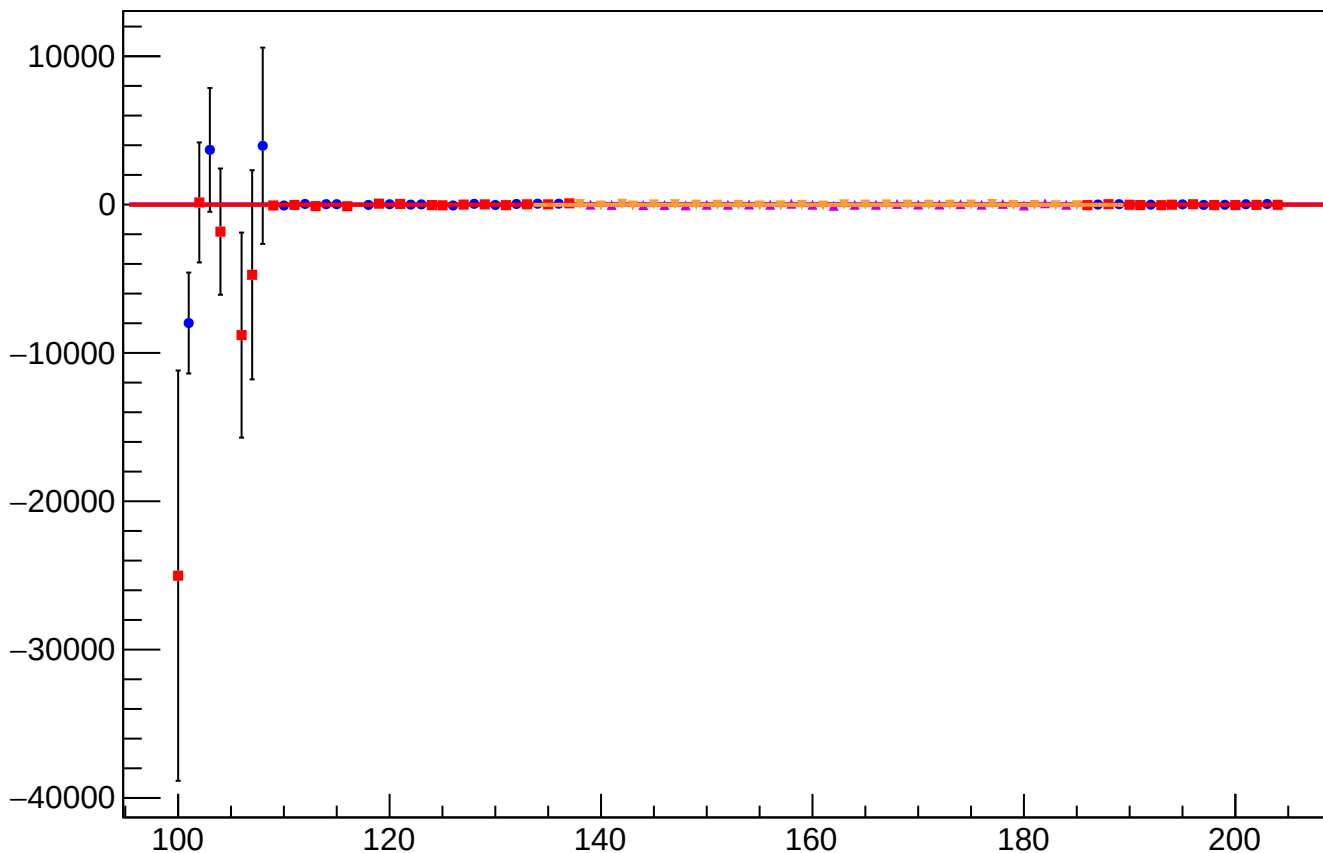
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 189.111 $\pm$ 0.026 χ^2 /NDF: 6565815.0/49

All: 184.817 $\pm$ 0.018 χ^2 /NDF: 13371541.5/10

- sign 180.926 $\pm$ 0.025 χ^2 /NDF: 6753153.8/52

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.115 ± 8.484 χ^2/NDF : 22.3/24

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -13.202 ± 7.913 χ^2/NDF : 29.1/29

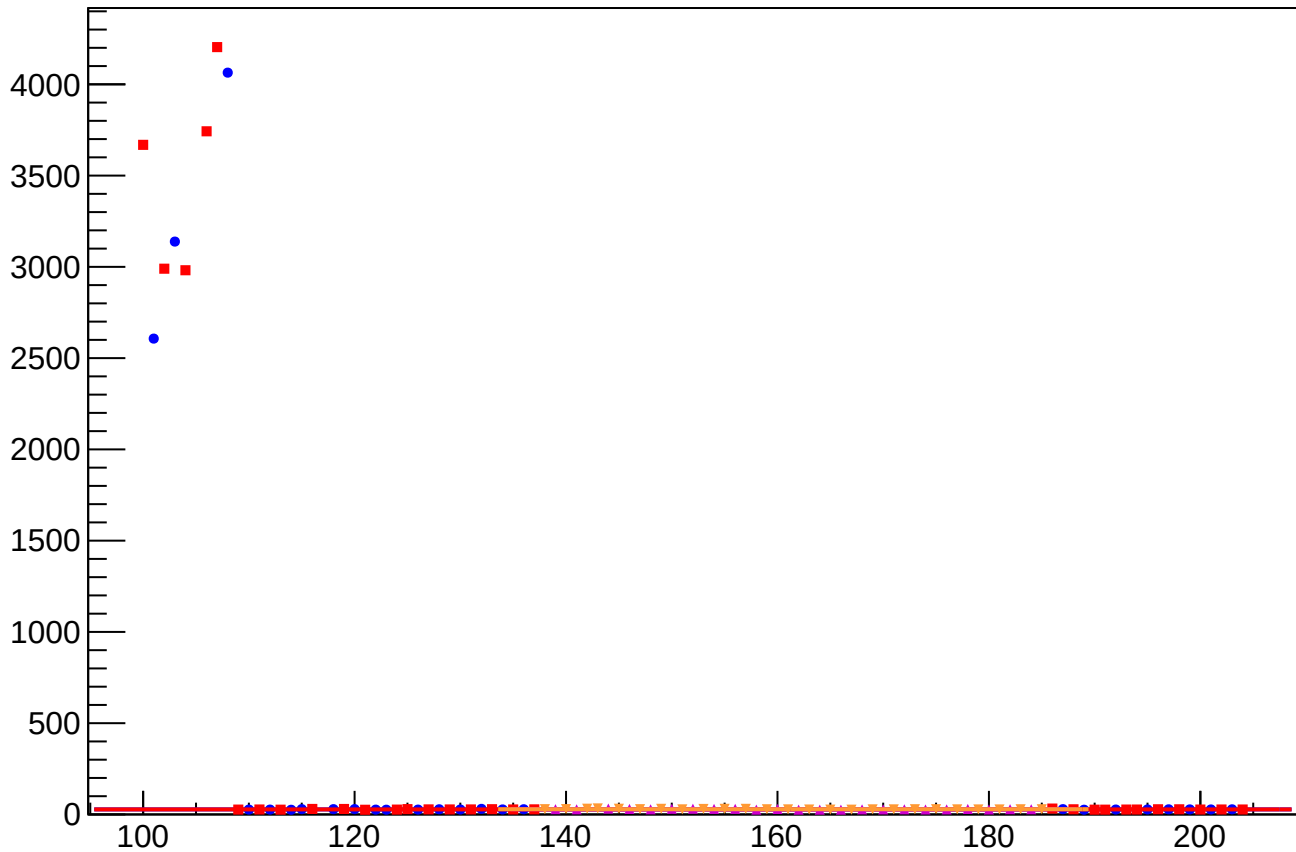
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -7.338 ± 5.255 χ^2/NDF : 50.7/49

All: -6.800 ± 3.693 χ^2/NDF : 113.6/102

- sign -6.275 ± 5.192 χ^2/NDF : 62.9/52

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.670 $\pm$ 0.006 χ^2 /NDF: 3035443.5/24

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.615 $\pm$ 0.006 χ^2 /NDF: 3503126.1/29

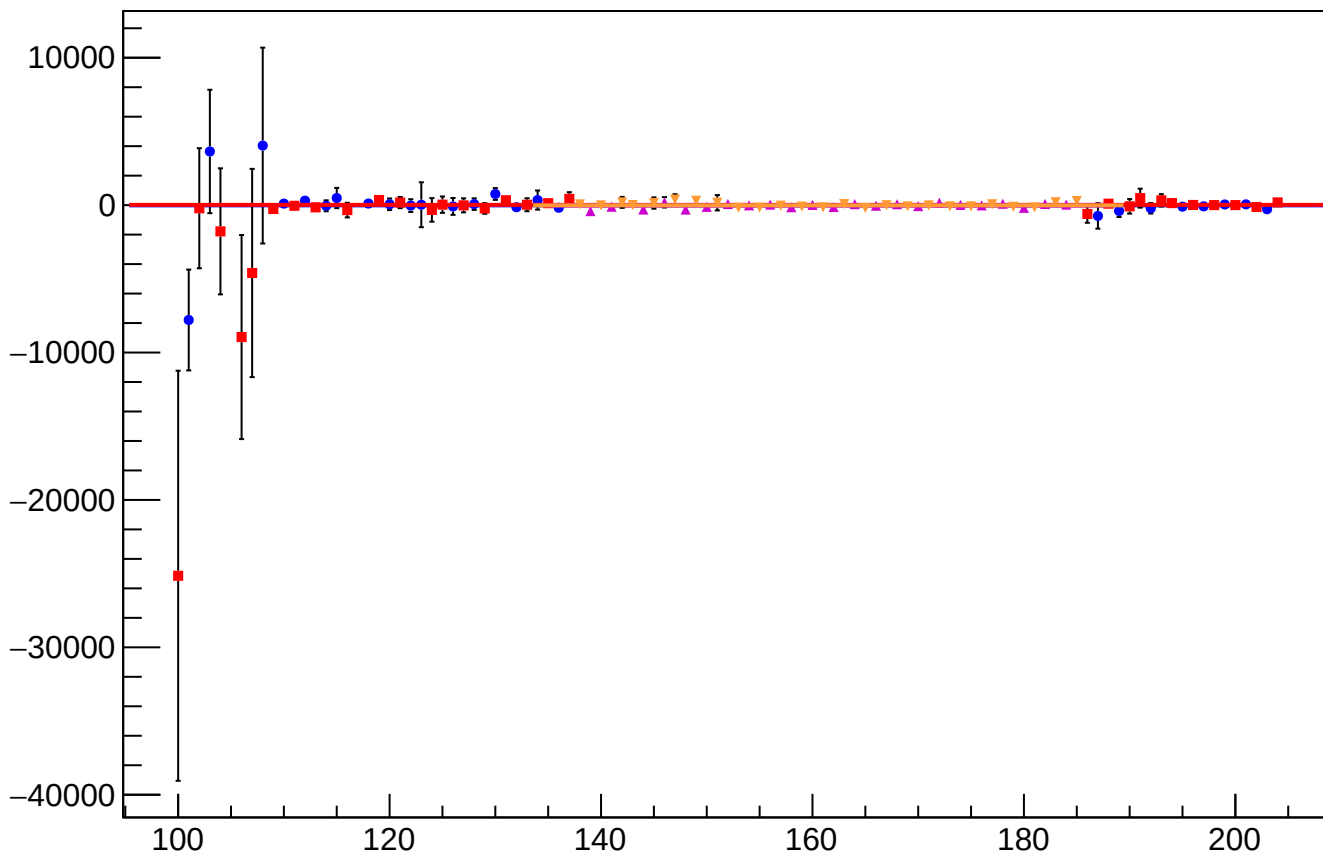
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.299 $\pm$ 0.004 χ^2 /NDF: 3163780.1/49

All: 28.258 $\pm$ 0.003 χ^2 /NDF: 6812247.8/102

- sign 28.217 $\pm$ 0.004 χ^2 /NDF: 3648223.4/52

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -15.069+/-55.901 χ^2/NDF : 18.8/24

Left Out: -15.483+/-48.109 χ^2/NDF : 8.7/24

Right Out: 17.155+/-53.278 χ^2/NDF : 16.5/29

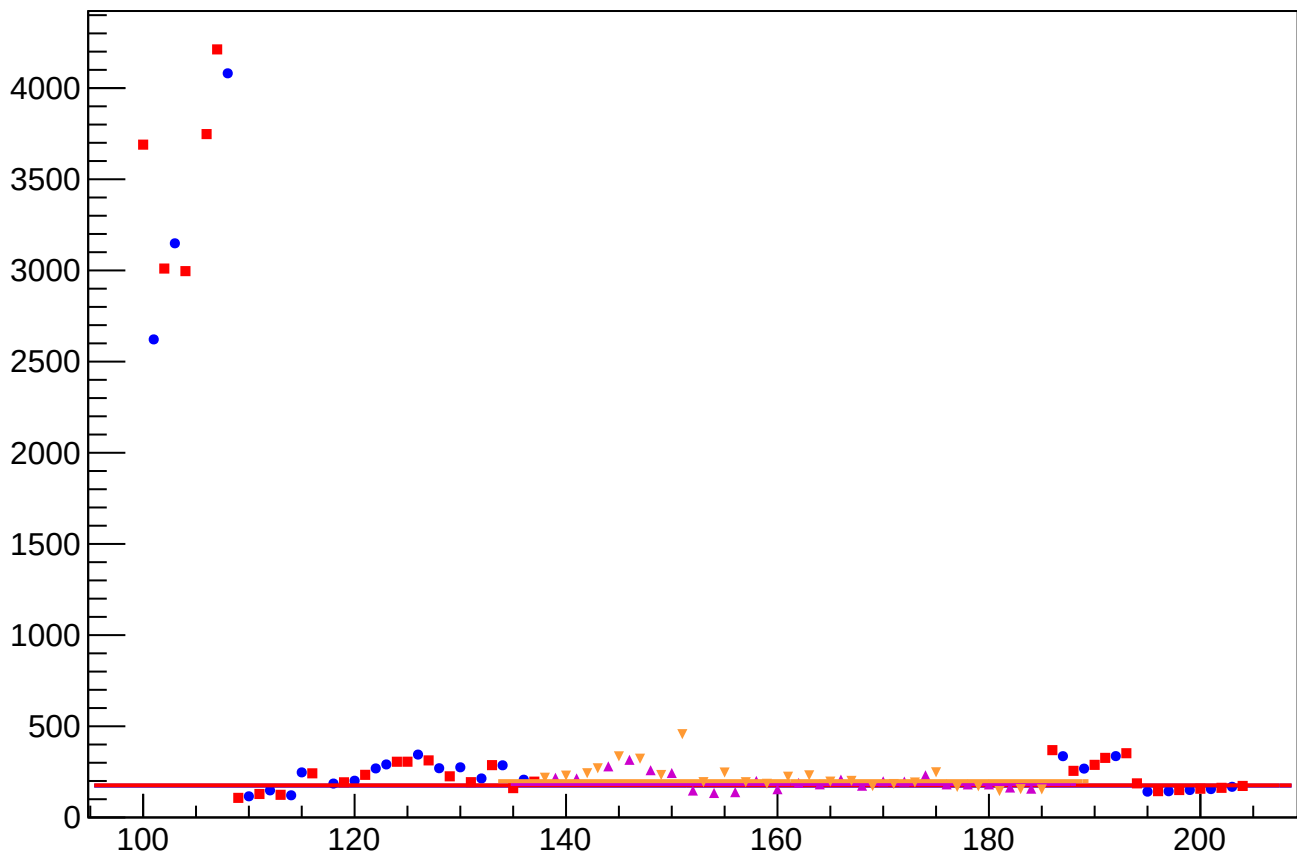
Left In: -27.009+/-45.785 χ^2/NDF : 7.8/22

+ sign -15.307+/-36.465 χ^2/NDF : 27.5/49

All: -11.605+/-25.147 χ^2/NDF : 52.2/102

- sign -8.249+/-34.724 χ^2/NDF : 24.7/52

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.388 $\pm$ 0.040 χ^2 /NDF: 4478860.5/24

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF: 1880343.4/24

Right Out: 176.146 $\pm$ 0.038 χ^2 /NDF: 5325599.1/29

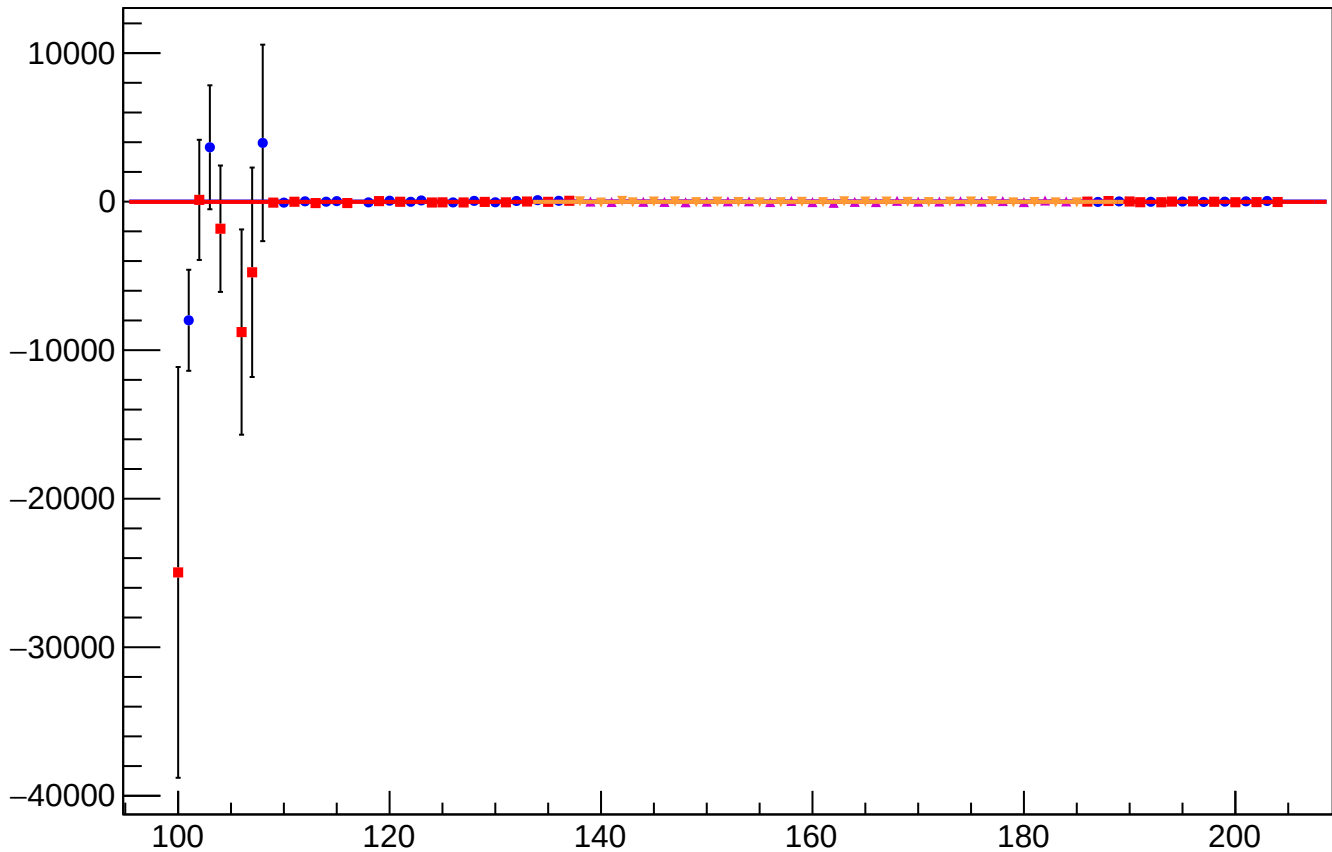
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF: 1422895.7/22

+ sign 188.581 $\pm$ 0.026 χ^2 /NDF: 6583640.0/49

All: 184.329 $\pm$ 0.018 χ^2 /NDF: 13406931.6/10

- sign 180.472 $\pm$ 0.025 χ^2 /NDF: 6771421.7/52

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.922 $\pm$ 8.476 χ^2 /NDF: 25.8/24

Left Out: -15.006 $\pm$ -6.723 χ^2 /NDF:17.5/24

Right Out: -16.978 $\pm$ -7.909 χ^2 /NDF: 24.8/29

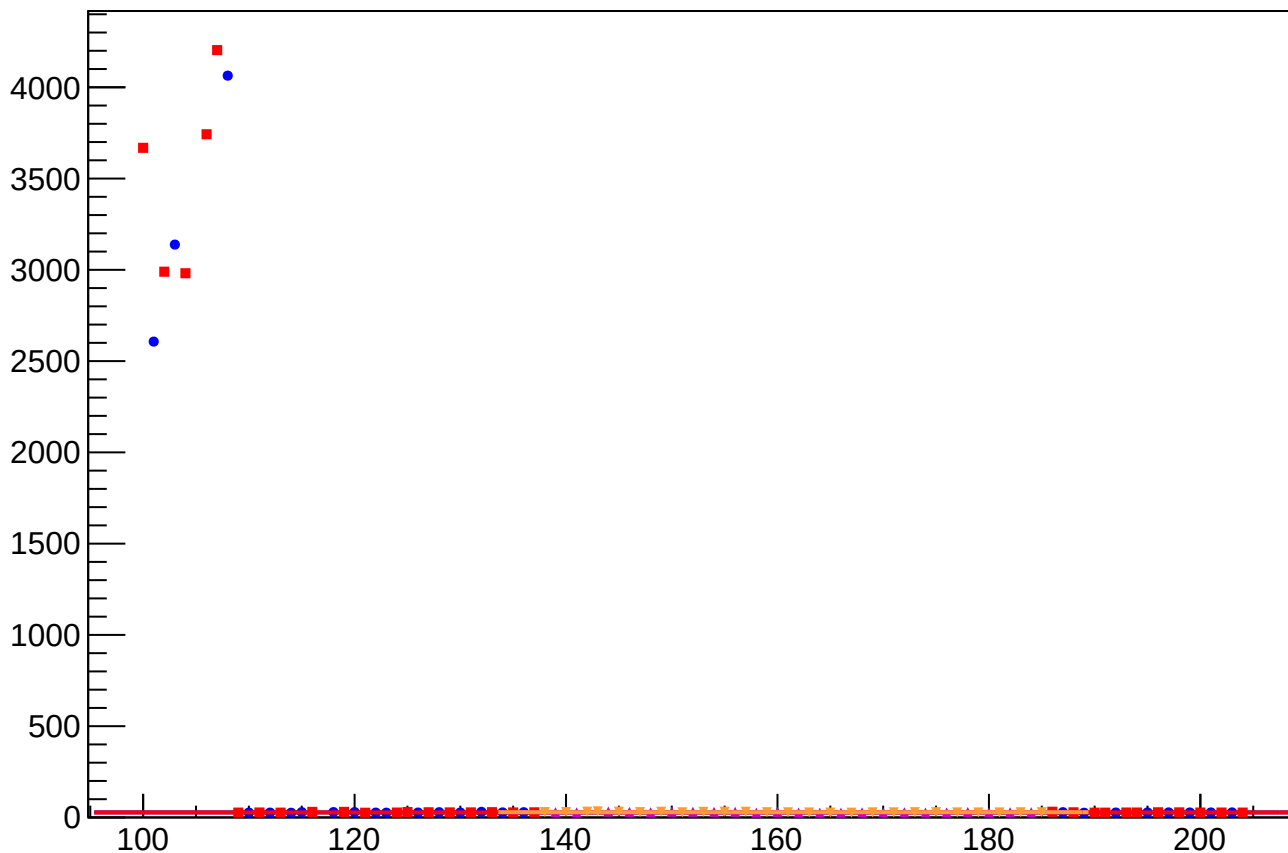
Left In: 0.702 $\pm$ -6.909 χ^2 /NDF:26.4/22

+ sign -6.538 $\pm$ -5.268 χ^2 /NDF: 47.4/49

All: -6.747 $\pm$ -3.702 χ^2 /NDF: 101.4/102

- sign -6.950 $\pm$ -5.203 χ^2 /NDF: 54.0/52

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.641 $\pm$ 0.006 χ^2 /NDF: 3037186.5/24

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.600 $\pm$ 0.006 χ^2 /NDF: 3502838.0/29

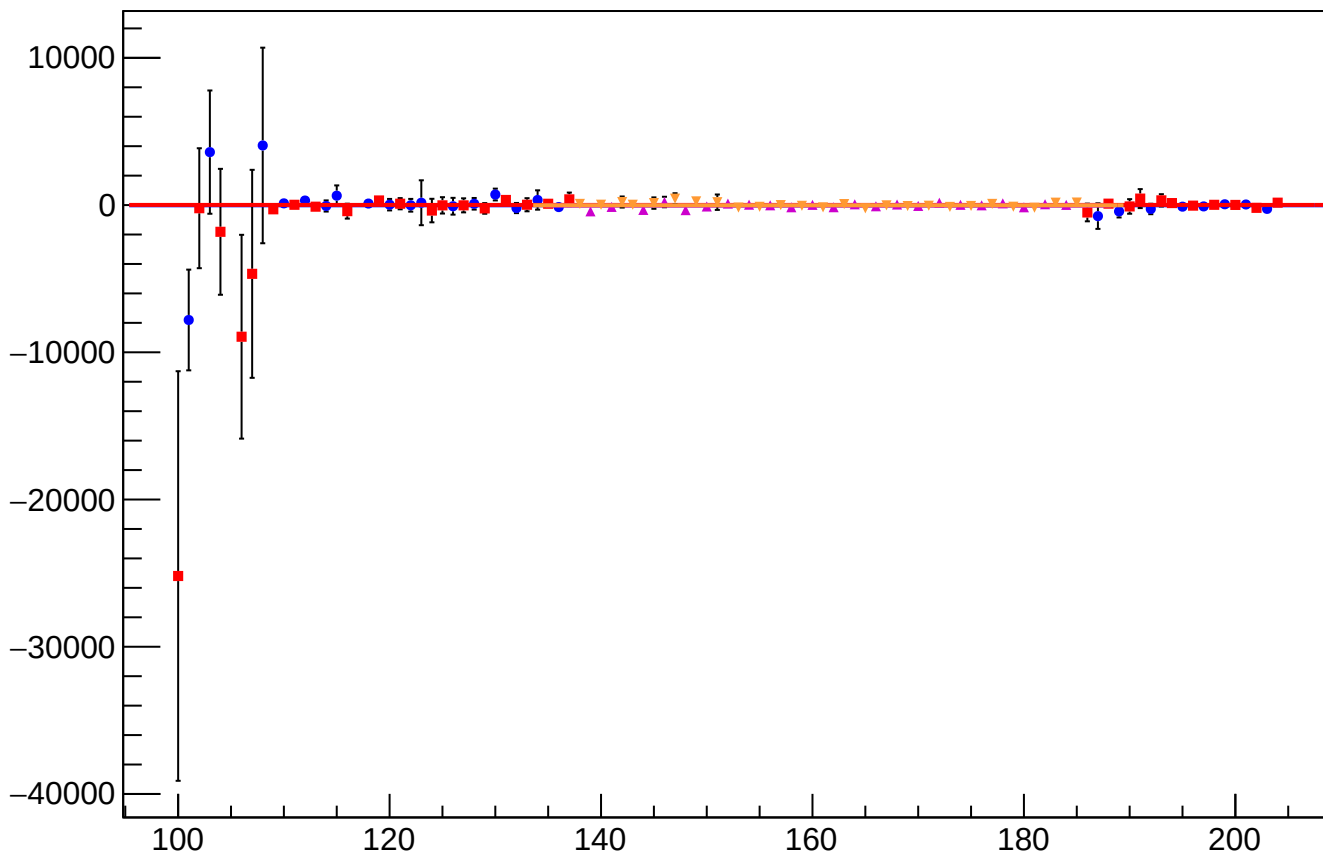
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.360 $\pm$ 0.004 χ^2 /NDF: 3182600.2/49

All: 28.318 $\pm$ 0.003 χ^2 /NDF: 6840866.1/102

- sign 28.276 $\pm$ 0.004 χ^2 /NDF: 3658008.7/52

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -15.823 ± 56.318 χ^2/NDF : 19.0/24

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: 10.533 ± 53.703 χ^2/NDF : 16.0/29

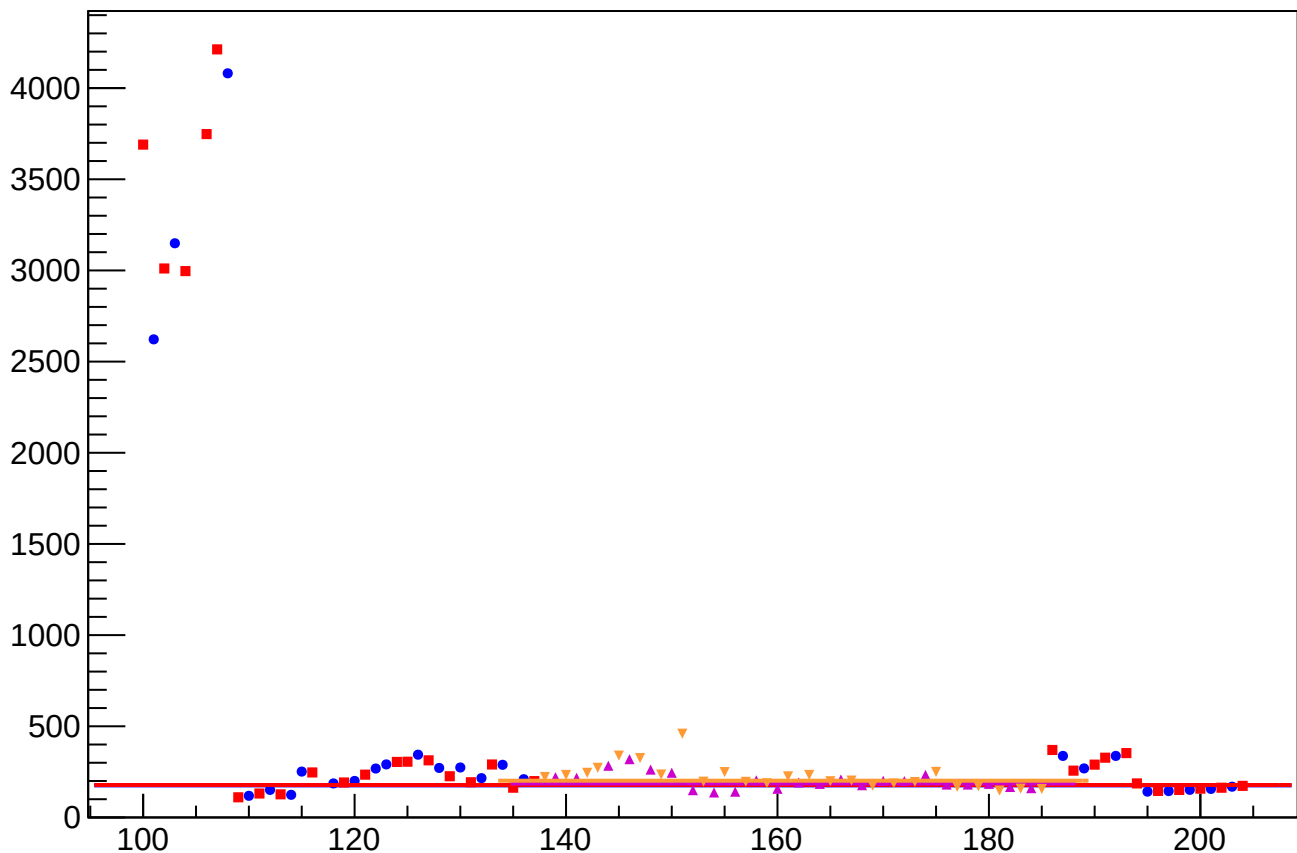
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -15.666 ± 36.832 χ^2/NDF : 27.0/49

All: -14.459 ± 25.407 χ^2/NDF : 51.4/102

- sign -13.363 ± 35.092 χ^2/NDF : 24.5/52

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 175.828 $\pm$ 0.040 χ^2 /NDF: 4445663.4/24

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF: 1857453.2/24

Right Out: 177.820 $\pm$ 0.038 χ^2 /NDF: 5263515.5/29

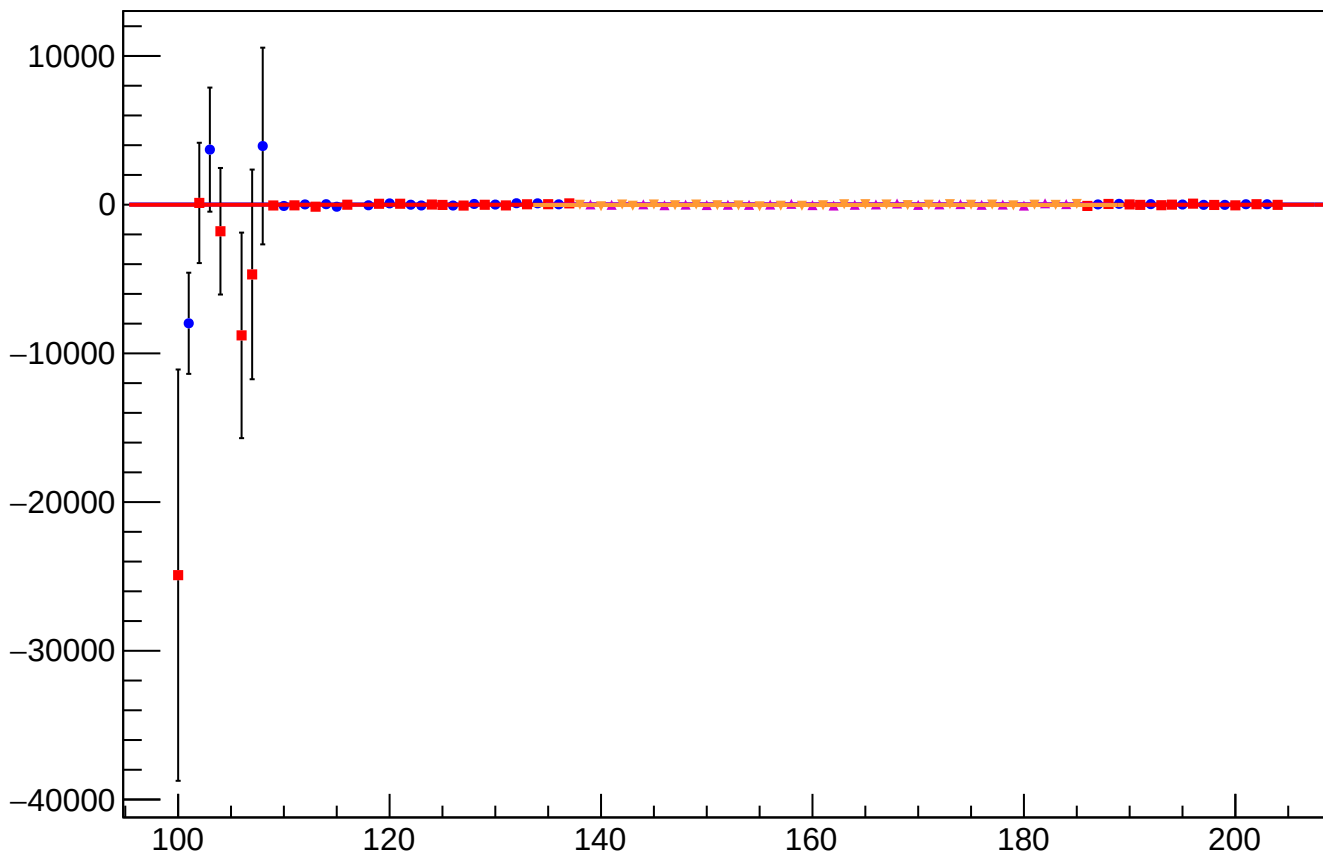
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF: 1391327.2/22

+ sign 190.577 $\pm$ 0.026 χ^2 /NDF: 6542795.2/49

All: 186.379 $\pm$ 0.018 χ^2 /NDF: 13274487.9/10

- sign 182.569 $\pm$ 0.025 χ^2 /NDF: 6682129.4/52

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 12.385+/-10.333 χ^2/NDF : 22.8/24

Left Out: -23.360+/-8.064 χ^2/NDF :25.8/24

Right Out: -4.792+/-9.639 χ^2/NDF : 31.9/29

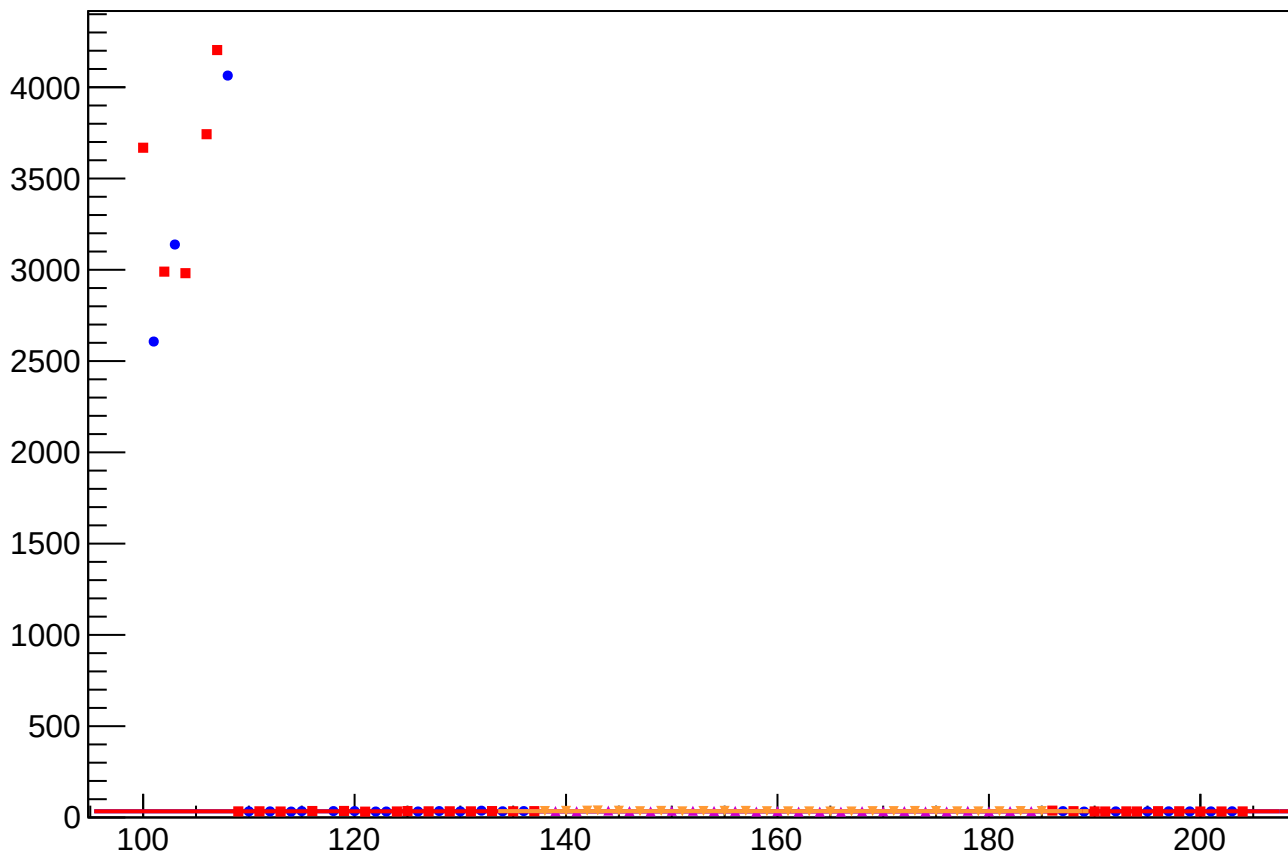
Left In: 6.001+/-8.309 χ^2/NDF :21.1/22

+ sign -9.828+/-6.357 χ^2/NDF : 56.1/49

All: -4.157+/-4.472 χ^2/NDF : 111.4/102

- sign 1.400+/-6.293 χ^2/NDF : 53.8/52

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.719 $\pm$ 0.007 χ^2 /NDF: 3012042.9/24

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.685 $\pm$ 0.007 χ^2 /NDF: 3466395.0/29

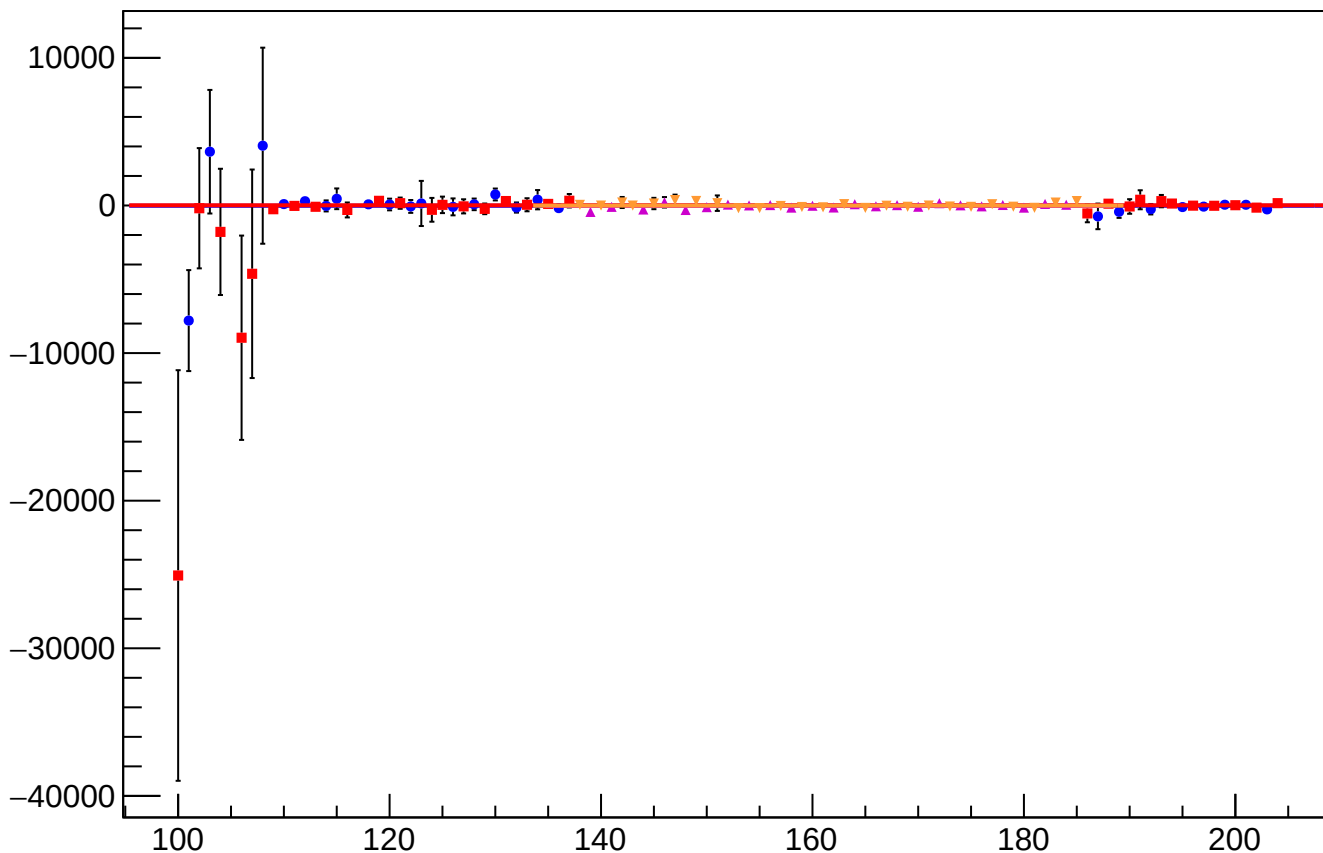
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.275 $\pm$ 0.004 χ^2 /NDF: 3079332.1/49

All: 34.267 $\pm$ 0.003 χ^2 /NDF: 6618387.8/102

- sign 34.259 $\pm$ 0.004 χ^2 /NDF: 3539049.1/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -18.706 $\pm$ 56.145 χ^2 /NDF: 18.6/24

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: 13.361 $\pm$ 53.484 χ^2 /NDF: 14.3/29

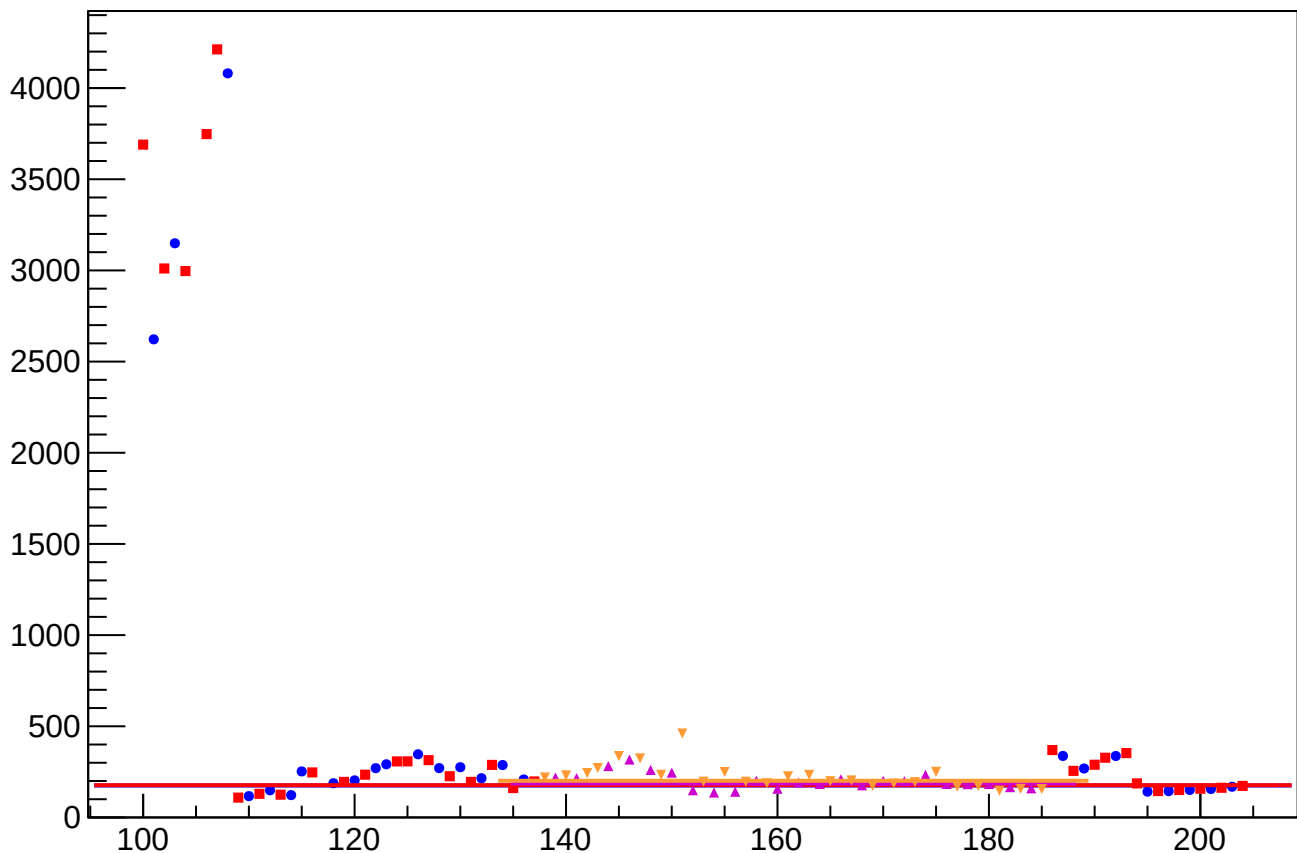
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign -13.111 $\pm$ 36.752 χ^2 /NDF: 27.2/49

All: -13.465 $\pm$ 25.347 χ^2 /NDF: 49.4/102

- sign -13.786 $\pm$ 35.004 χ^2 /NDF: 22.2/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.170 $\pm$ 0.040 χ^2 /NDF: 4475379.1/24

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF: 1851134.1/24

Right Out: 176.886 $\pm$ 0.038 χ^2 /NDF: 5313784.4/29

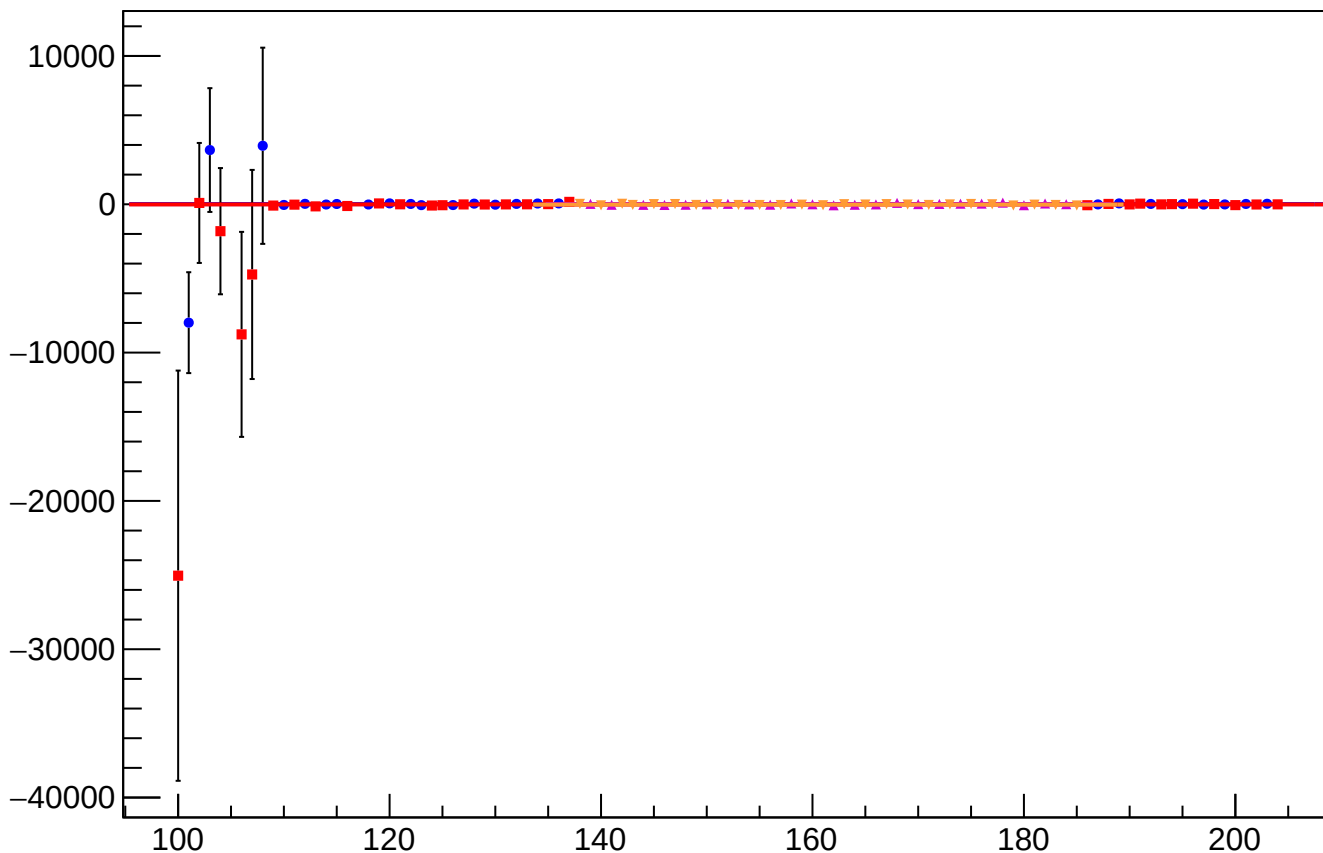
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF: 1381771.9/22

+ sign 190.101 $\pm$ 0.026 χ^2 /NDF: 6574029.7/49

All: 185.860 $\pm$ 0.018 χ^2 /NDF: 13352522.5/10

- sign 182.013 $\pm$ 0.025 χ^2 /NDF: 6727697.6/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 13.080+/-9.368 χ^2 /NDF: 17.7/24

Left Out: -22.879+/-7.340 χ^2 /NDF:18.8/24

Right Out: -9.413+/-8.735 χ^2 /NDF: 36.6/29

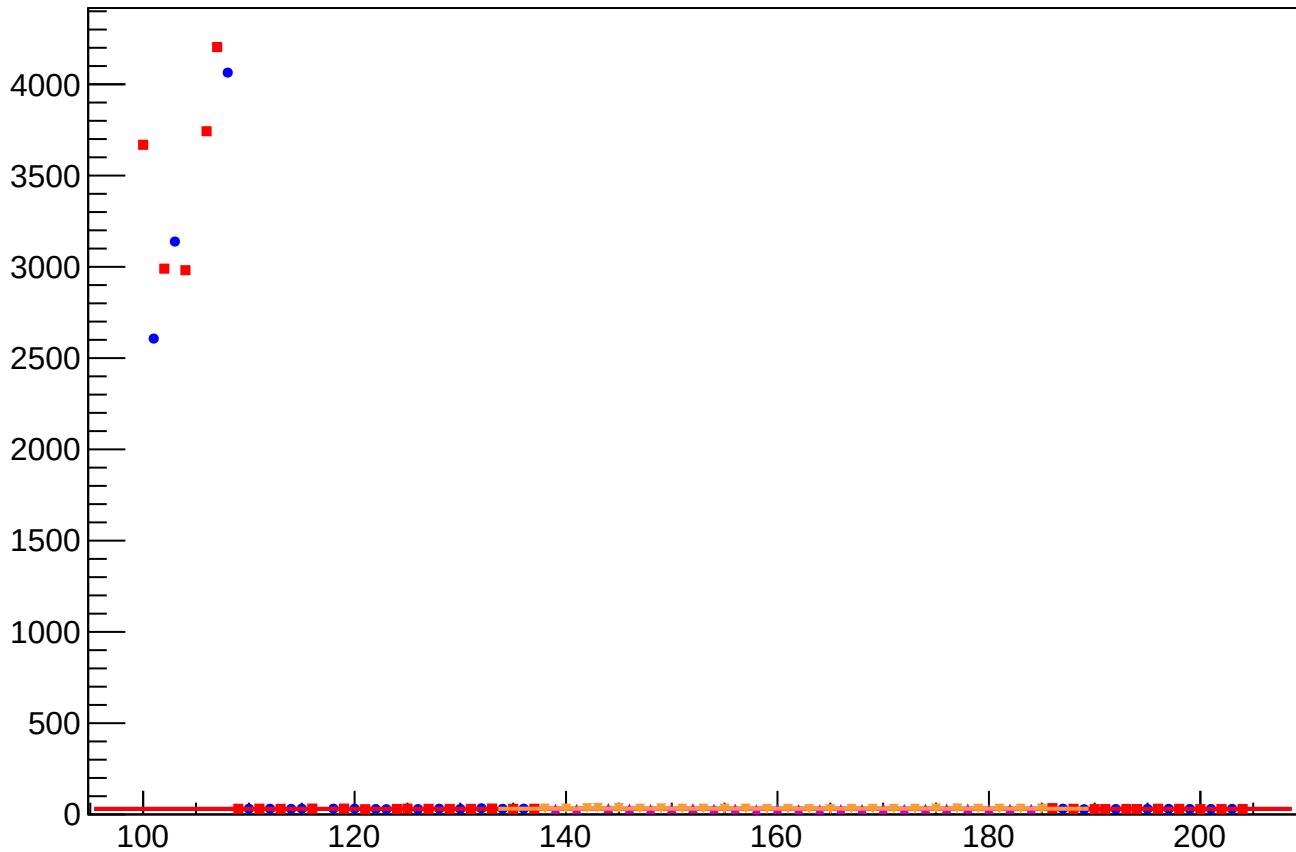
Left In: 5.943+/-7.550 χ^2 /NDF:38.3/22

+ sign -9.200+/-5.778 χ^2 /NDF: 45.6/49

All: -4.862+/-4.062 χ^2 /NDF: 123.4/102

- sign -0.623+/-5.712 χ^2 /NDF: 76.7/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.562 $\pm$ 0.007 χ^2 /NDF: 3025770.5/24

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.501 $\pm$ 0.006 χ^2 /NDF: 3482160.7/29

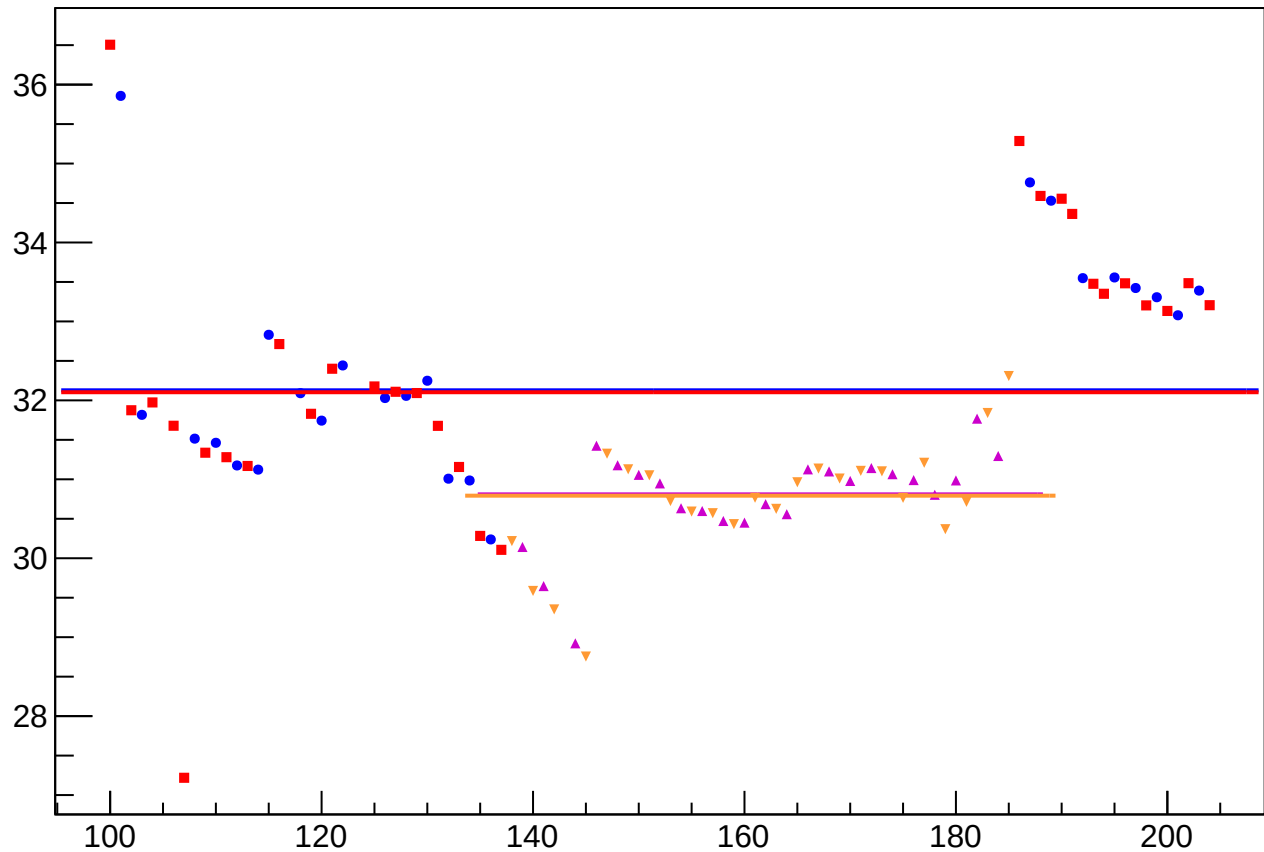
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.132 $\pm$ 0.004 χ^2 /NDF: 3120160.8/49

All: 31.097 $\pm$ 0.003 χ^2 /NDF: 6704955.3/102

- sign 31.064 $\pm$ 0.004 χ^2 /NDF: 3584655.0/52

yield_usl_mean vs Slug



Right In: 32.128 $\pm$ 0.000 χ^2 /NDF: 2225799765.4/23

Left Out: 30.793 $\pm$ 0.000 χ^2 /NDF: 1007261340.7/23

Right Out: 32.103 $\pm$ 0.000 χ^2 /NDF: 2118101008.1/28

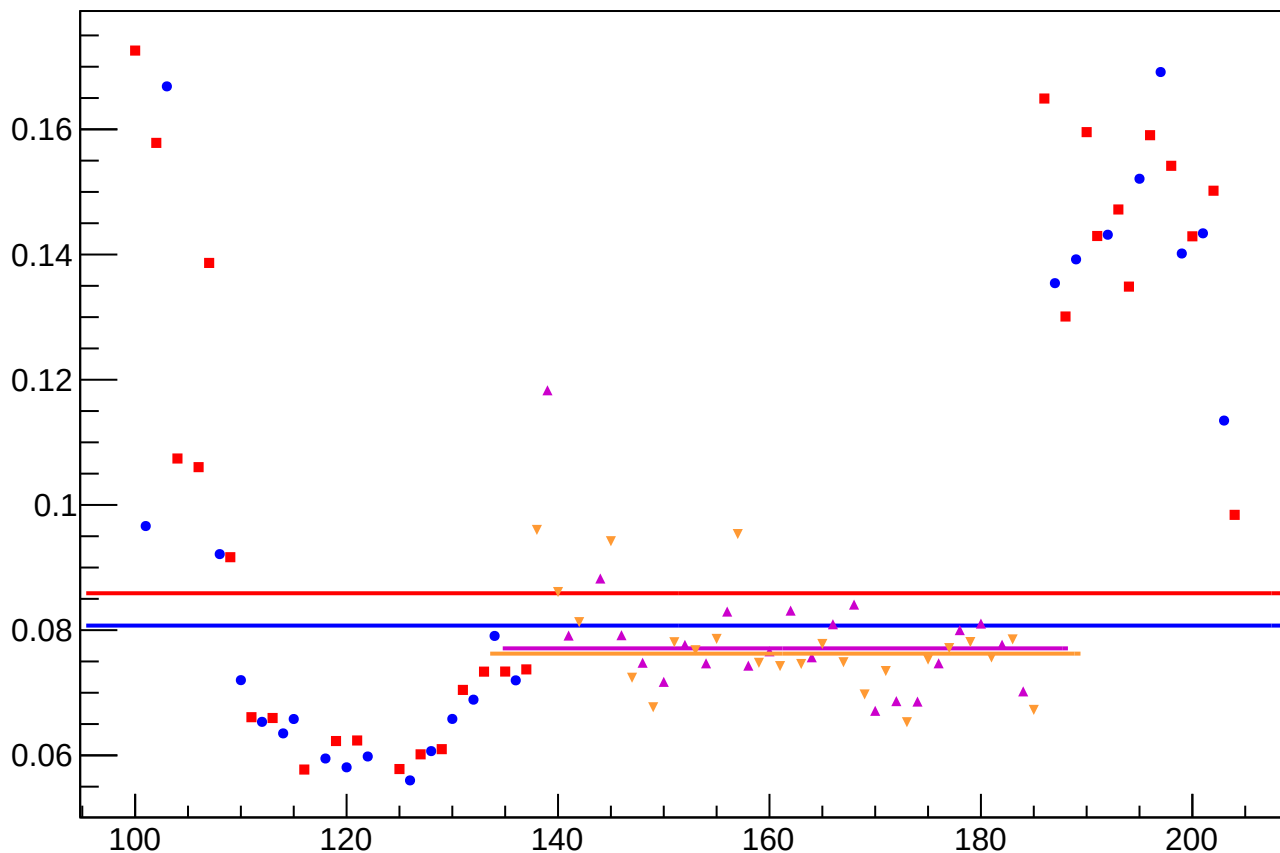
Left In: 30.809 $\pm$ 0.000 χ^2 /NDF: 821961762.3/22

+ sign 31.265 $\pm$ 0.000 χ^2 /NDF: 4973834434.1/47

All: 31.275 $\pm$ 0.000 χ^2 /NDF: 9554308587.4/9

- sign 31.285 $\pm$ 0.000 χ^2 /NDF: 4579683097.4/51

yield_usl_rms vs Slug



Right In: 0.081 $\pm$ 0.000 χ^2 /NDF: 3023711.4/23

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:277876.5/23

Right Out: 0.086 $\pm$ 0.000 χ^2 /NDF: 3550156.7/28

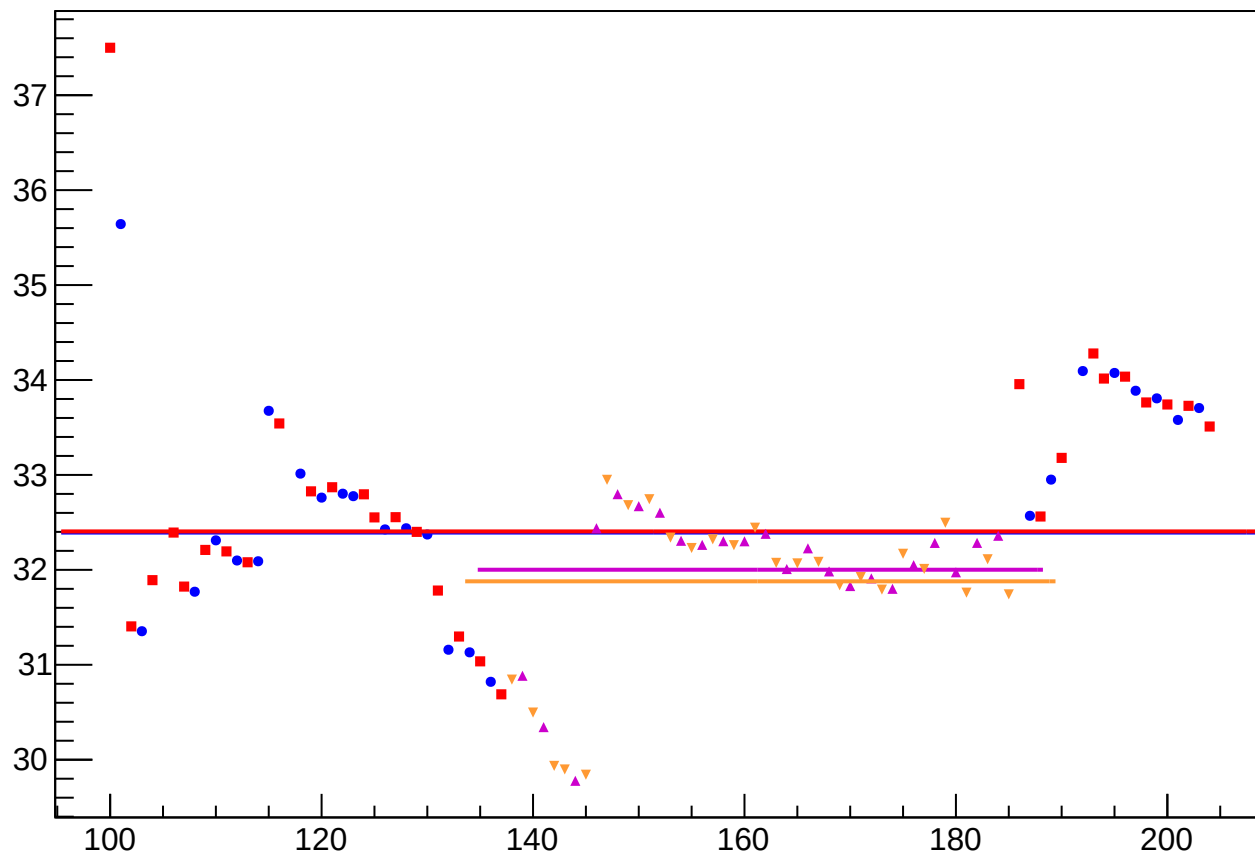
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.078 $\pm$ 0.000 χ^2 /NDF: 3340821.3/47

All: 0.079 $\pm$ 0.000 χ^2 /NDF: 7394934.4/99

- sign 0.080 $\pm$ 0.000 χ^2 /NDF: 4027809.9/51

yield_usr_mean vs Slug



Right In: 32.393+/-0.000 χ^2 /NDF: 1255940083.2/24

Left Out: 31.879+/-0.000 χ^2 /NDF: 1976281391.1/24

Right Out: 32.405+/-0.000 χ^2 /NDF: 775015602.2/28

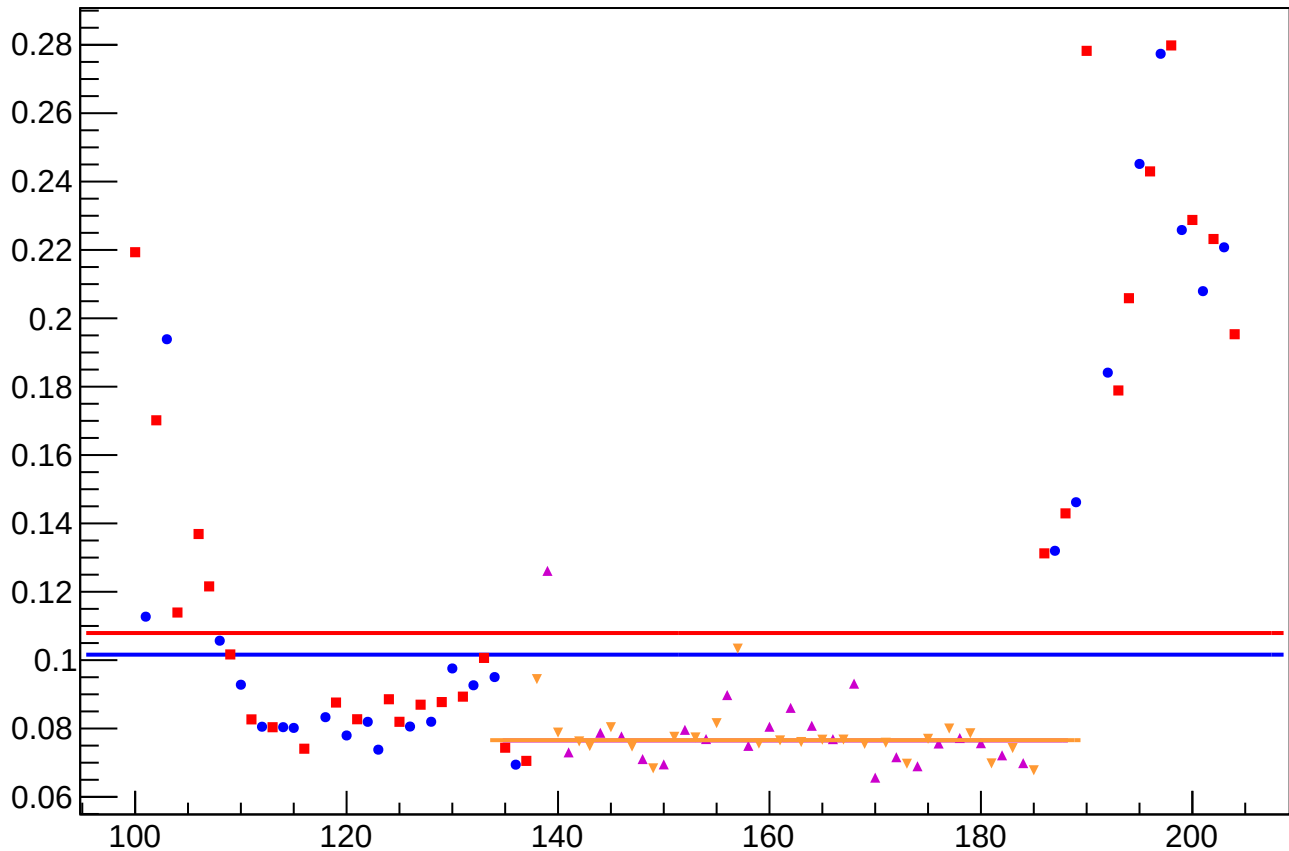
Left In: 32.001+/-0.000 χ^2 /NDF: 1411110671.9/22

+ sign 32.002+/-0.000 χ^2 /NDF: 3414232171.9/49

All: 32.052+/-0.000 χ^2 /NDF: 5733388859.5/51

- sign 32.104+/-0.000 χ^2 /NDF: 2299884904.8/51

yield_usr_rms vs Slug



Right In: 0.102 $\pm$ 0.000 χ^2 /NDF: 3832032.7/24

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.108 $\pm$ 0.000 χ^2 /NDF: 4056878.4/28

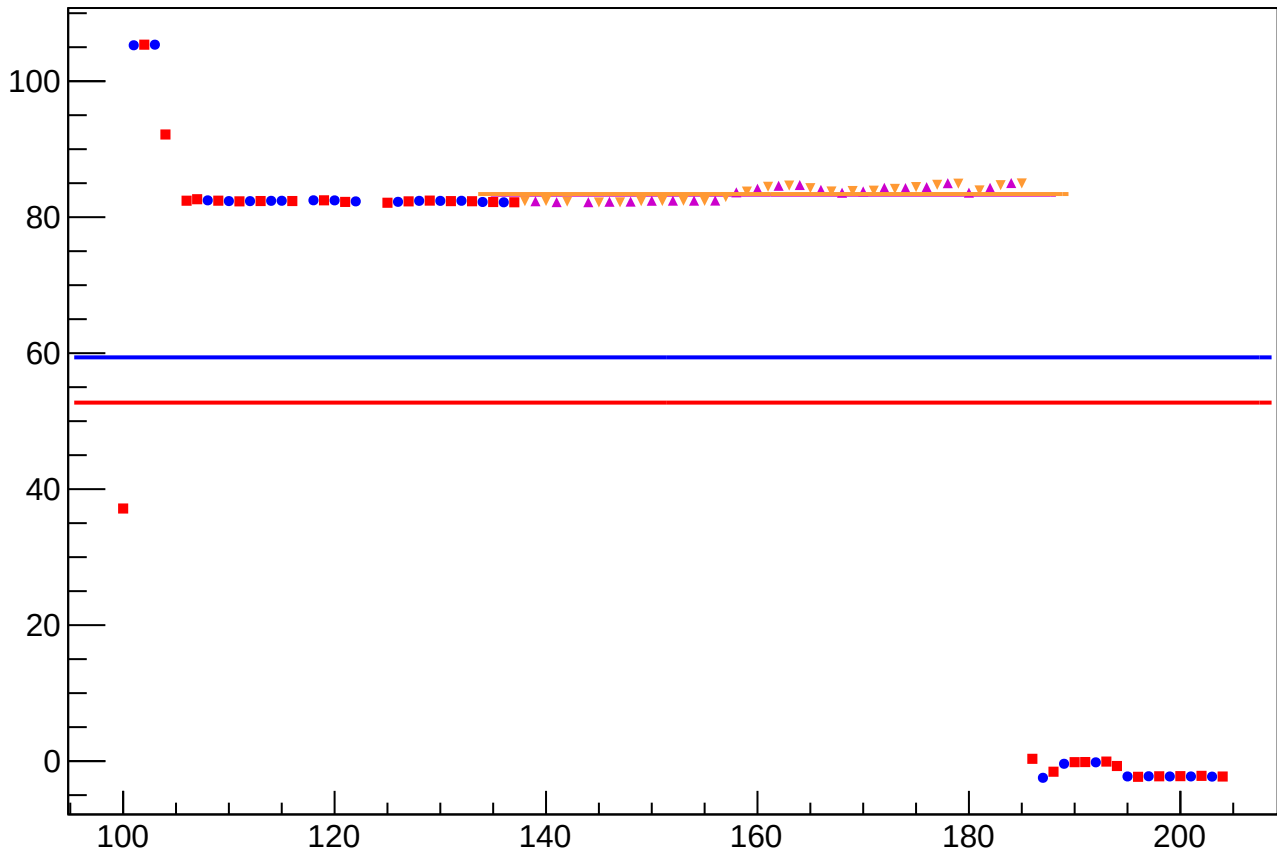
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.083 $\pm$ 0.000 χ^2 /NDF: 4905082.7/49

All: 0.084 $\pm$ 0.000 χ^2 /NDF: 10788277.8/101

- sign 0.084 $\pm$ 0.000 χ^2 /NDF: 5869712.0/51

yield_dsl_mean vs Slug



Right In: 59.383+/-0.000 χ^2/NDF : 9261203658941.2/23

Left Out: 83.402+/-0.000 χ^2/NDF : 8756634444.3/23

Right Out: 52.728+/-0.000 χ^2/NDF : 10972487161792.2/28

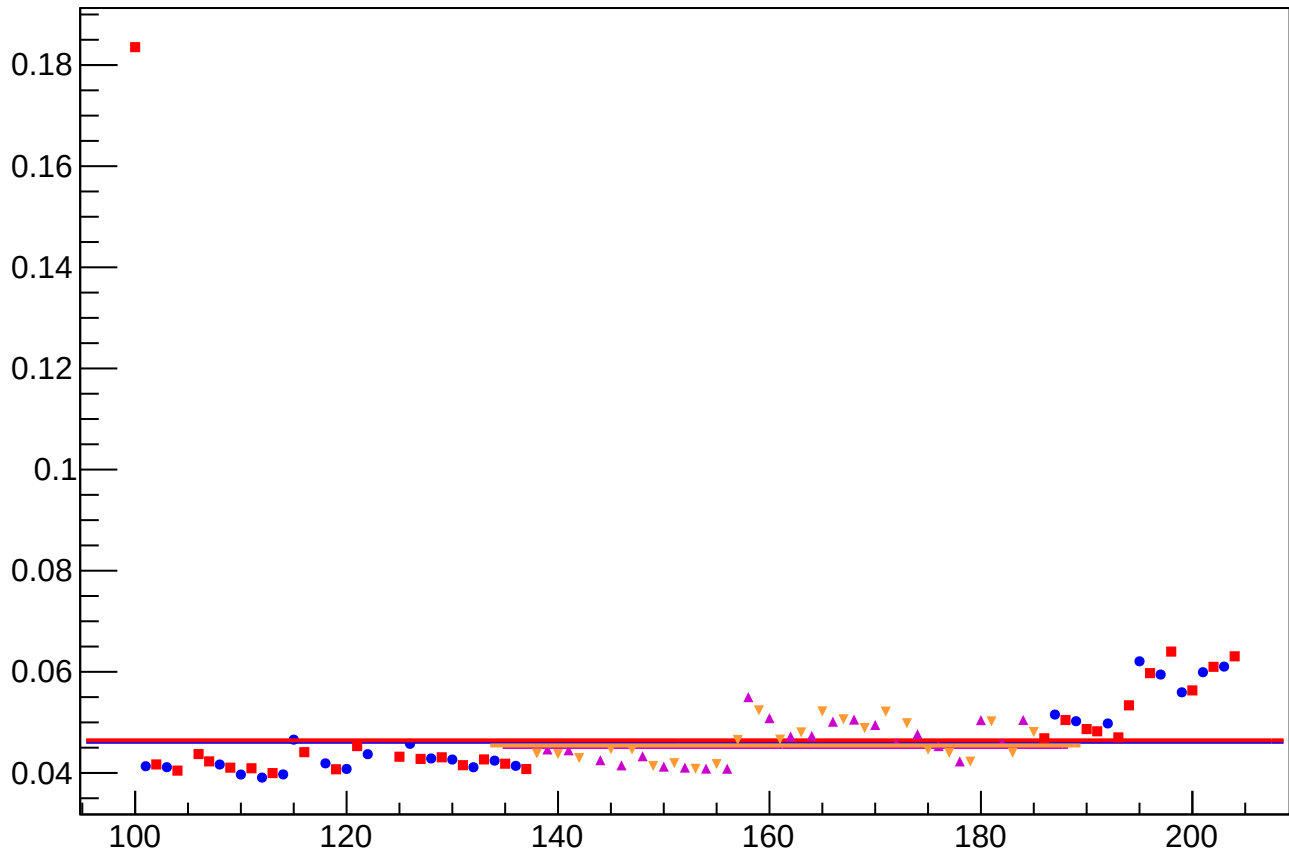
Left In: 83.309+/-0.000 χ^2/NDF : 8421247810.9/22

+ sign 73.896+/-0.000 χ^2/NDF : 11161994201409.8

All: 72.011+/-0.000 χ^2/NDF : 2556445194460

- sign 70.232+/-0.000 χ^2/NDF : 14307711847684.1/28

yield_dsl_rms vs Slug



Right In: 0.046+/-0.000 χ^2/NDF : 582807.9/23

Left Out: 0.045+/-0.000 χ^2/NDF : 206685.9/23

Right Out: 0.046+/-0.000 χ^2/NDF : 680316.3/28

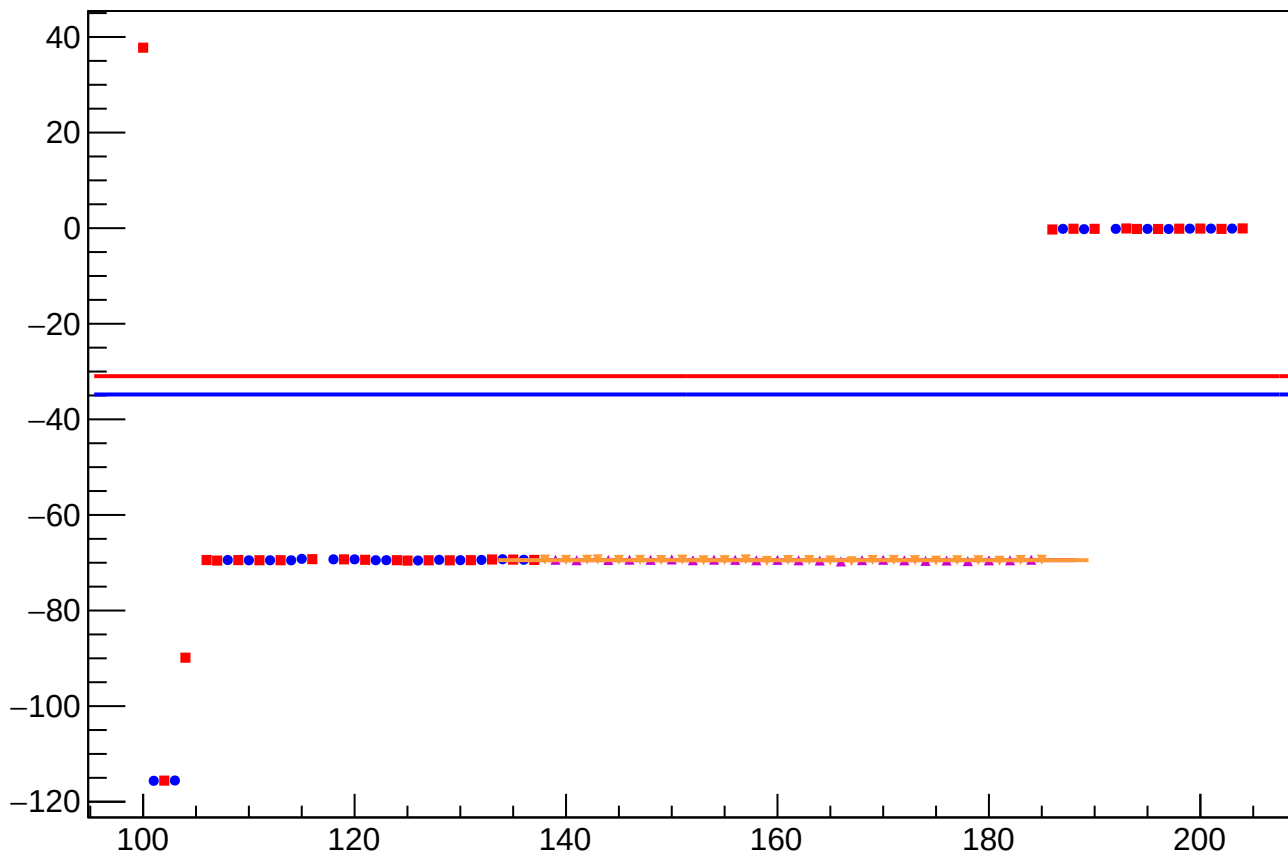
Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

+ sign 0.046+/-0.000 χ^2/NDF : 793040.3/47

All: 0.046+/-0.000 χ^2/NDF : 1728468.5/99

- sign 0.046+/-0.000 χ^2/NDF : 935423.5/51

yield_dsr_mean vs Slug



Right In: -34.795 ± 0.000 χ^2/NDF : 6779485823818.9/24

Left Out: -69.461 ± 0.000 χ^2/NDF : 49572401.9/24

Right Out: -30.970 ± 0.000 χ^2/NDF : 6990030254211.6/28

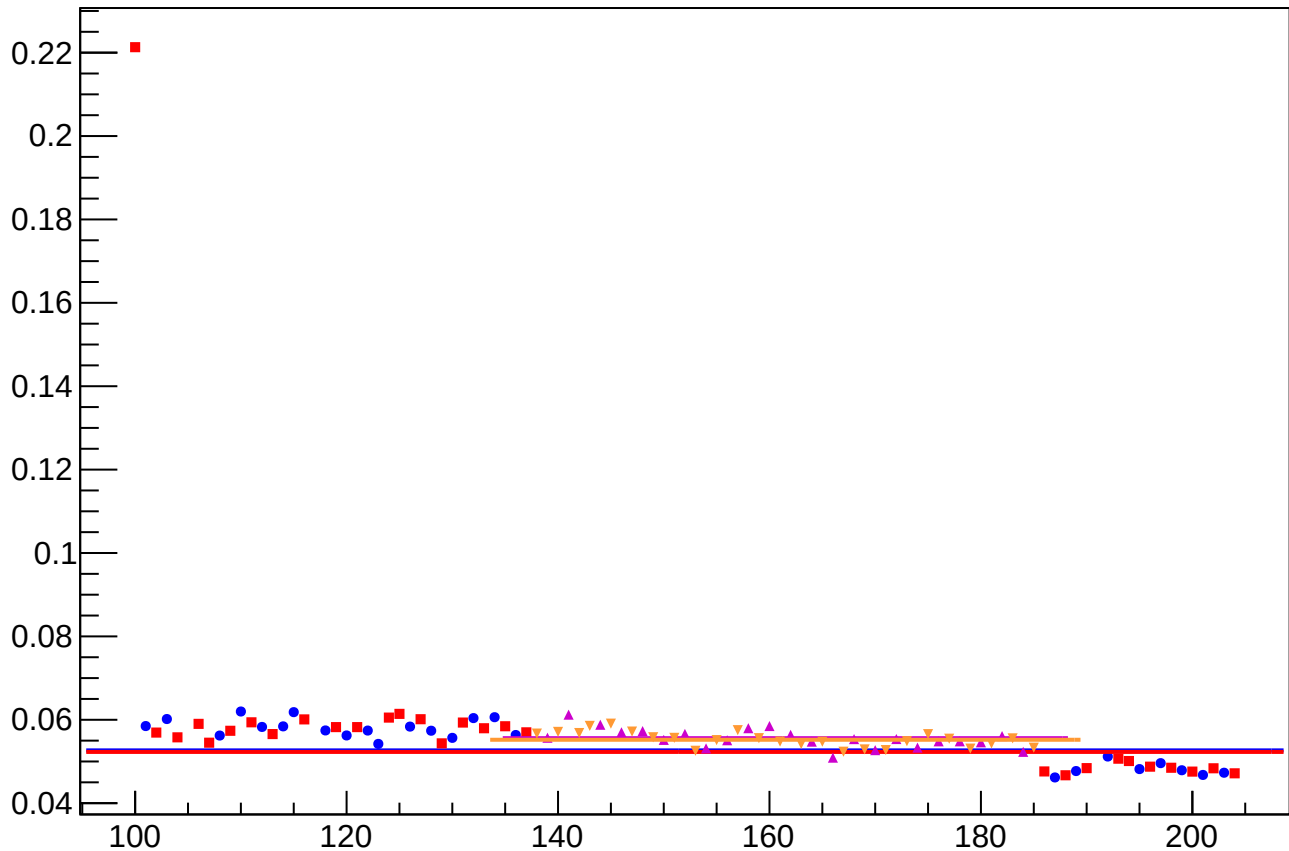
Left In: -69.458 ± 0.000 χ^2/NDF : 52798704.3/22

+ sign -54.871 ± 0.000 χ^2/NDF : 9728513943282.6/24

All: -53.004 ± 0.000 χ^2/NDF : 206192740018.6/28

- sign -51.192 ± 0.000 χ^2/NDF : 10821617858683.7/24

yield_dsr_rms vs Slug



Right In: 0.053 $\pm$ 0.000 χ^2 /NDF: 217916.6/24

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 313760.1/28

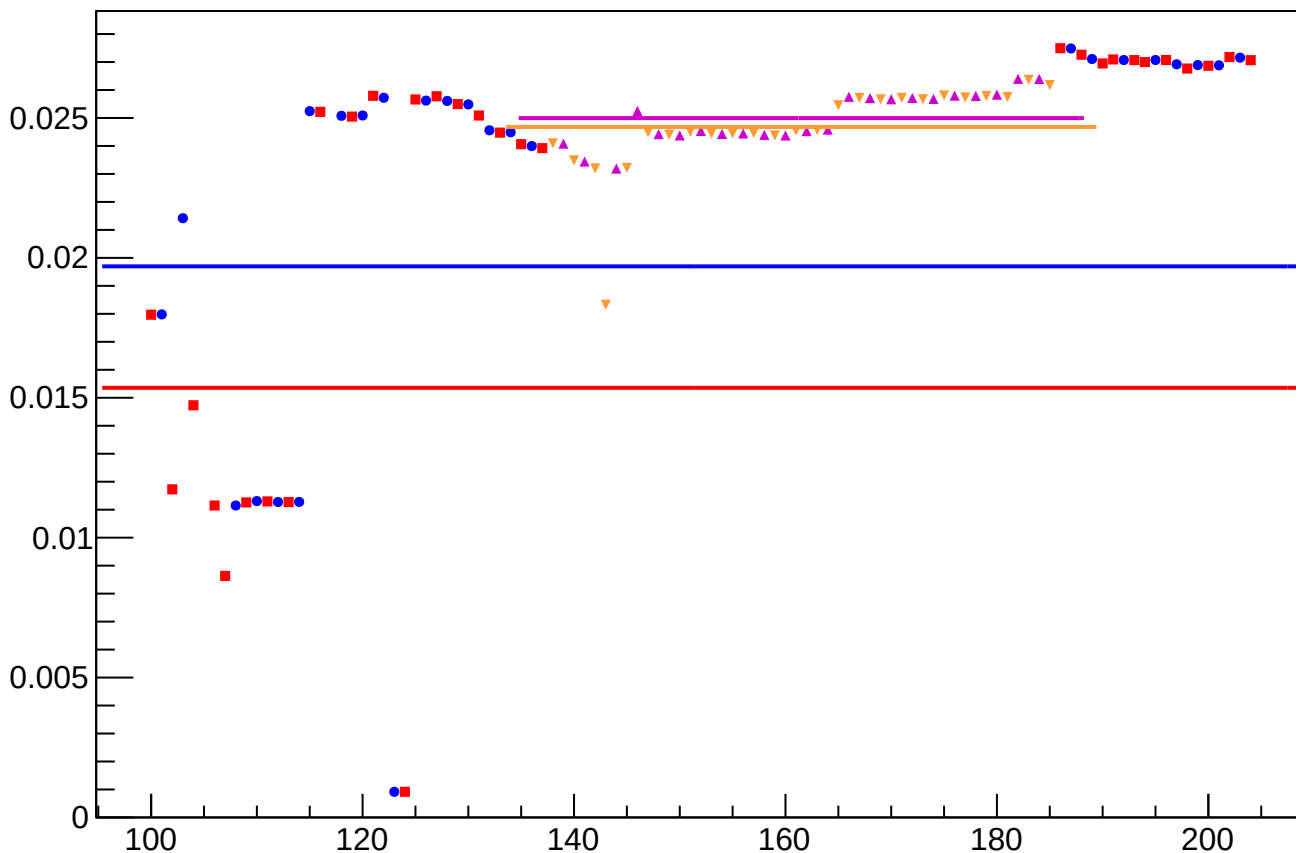
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 288433.3/49

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 710879.1/101

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 422318.4/51

yield_atl1_mean vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 173386037482.7/24

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 386506079505.6/29

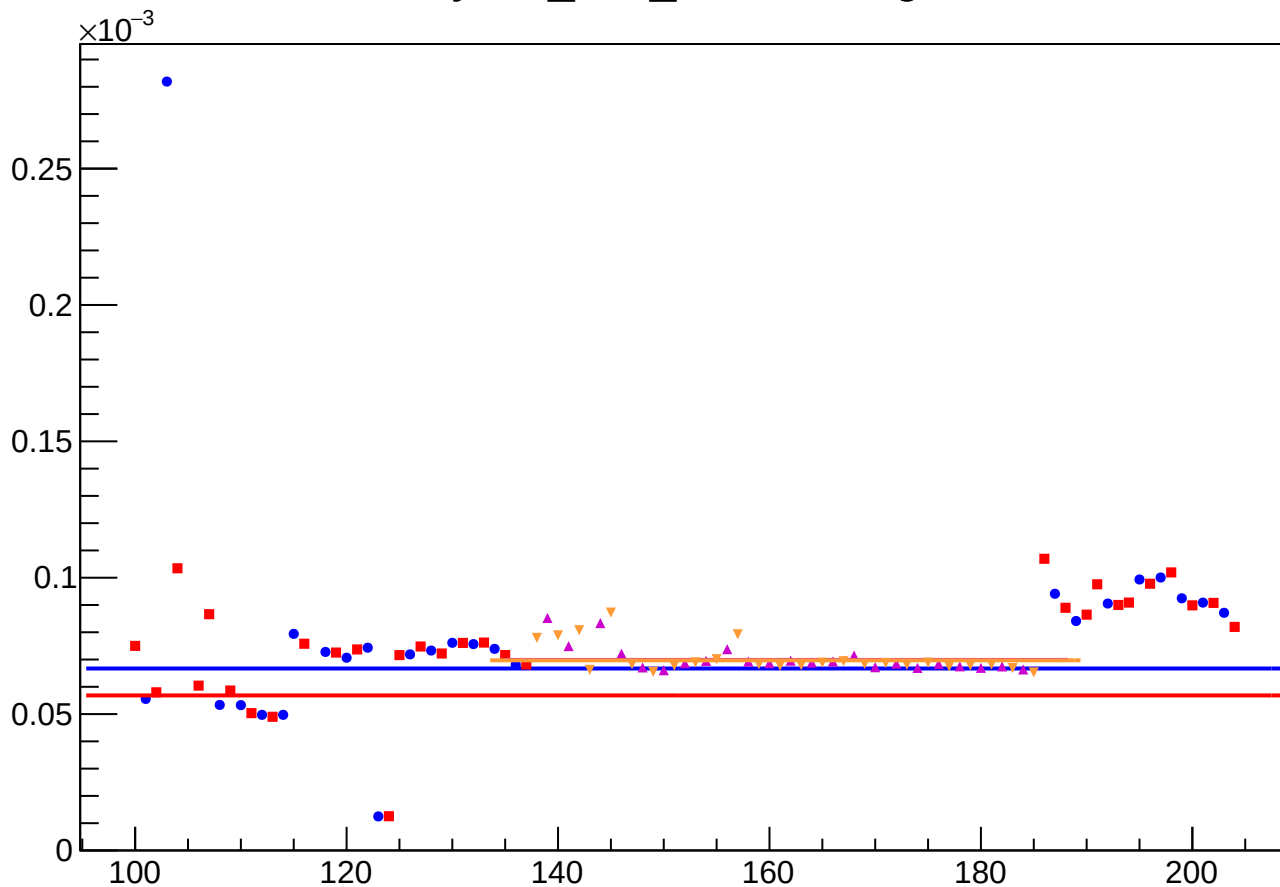
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 218434178921.4/49

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 781769544163.3

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 545316841775.7/52

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3162949.5/24

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6350631.8/29

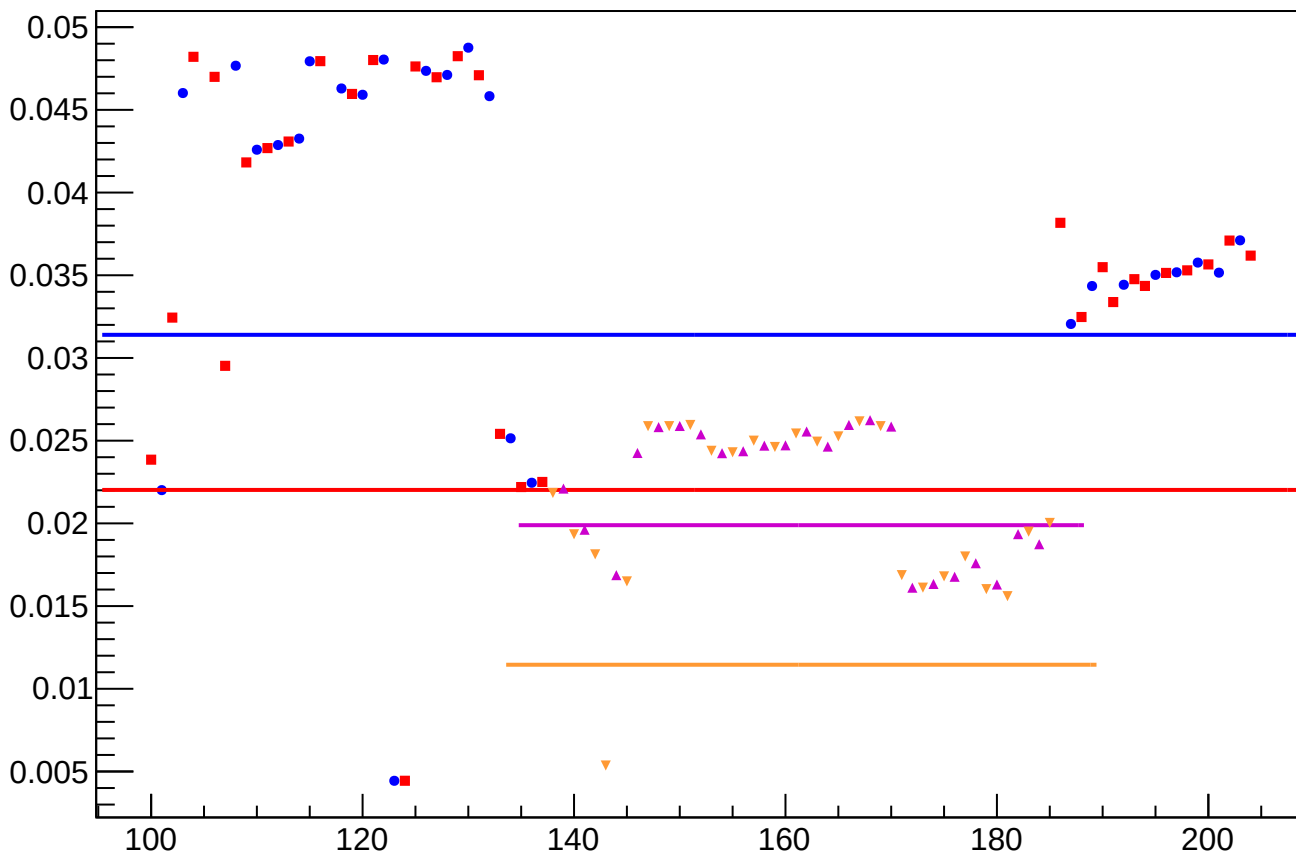
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 3346753.3/49

All: 0.000+/-0.000 χ^2/NDF : 10551267.2/102

- sign 0.000+/-0.000 χ^2/NDF : 7049939.5/52

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21302752814.7/24

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.022+/-0.000 χ^2/NDF : 43351152718.3/29

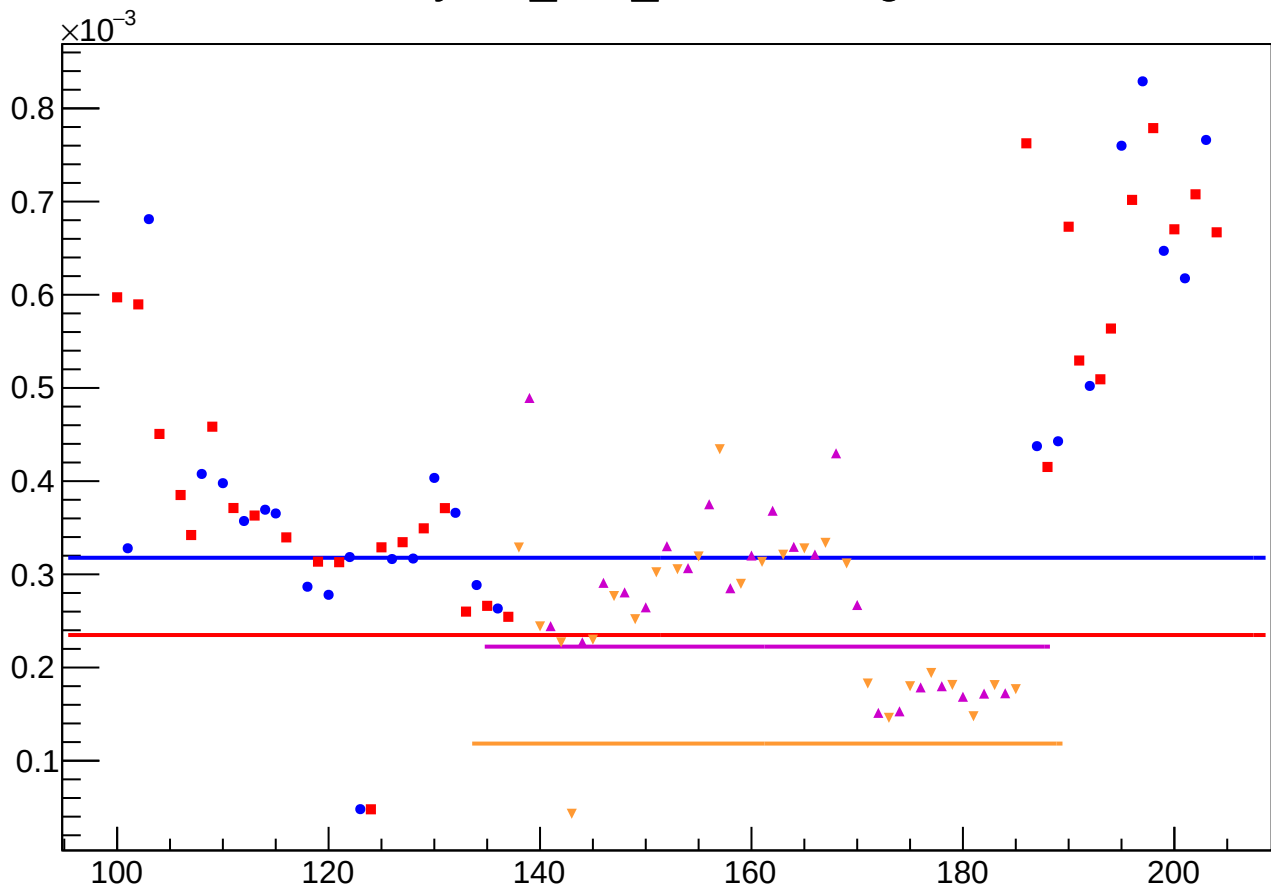
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.014+/-0.000 χ^2/NDF : 91641058493.1/49

All: 0.016+/-0.000 χ^2/NDF : 153593667604.9

- sign 0.021+/-0.000 χ^2/NDF : 48232420723.0/52

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5466889.6/24

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13563132.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11182008.6/29

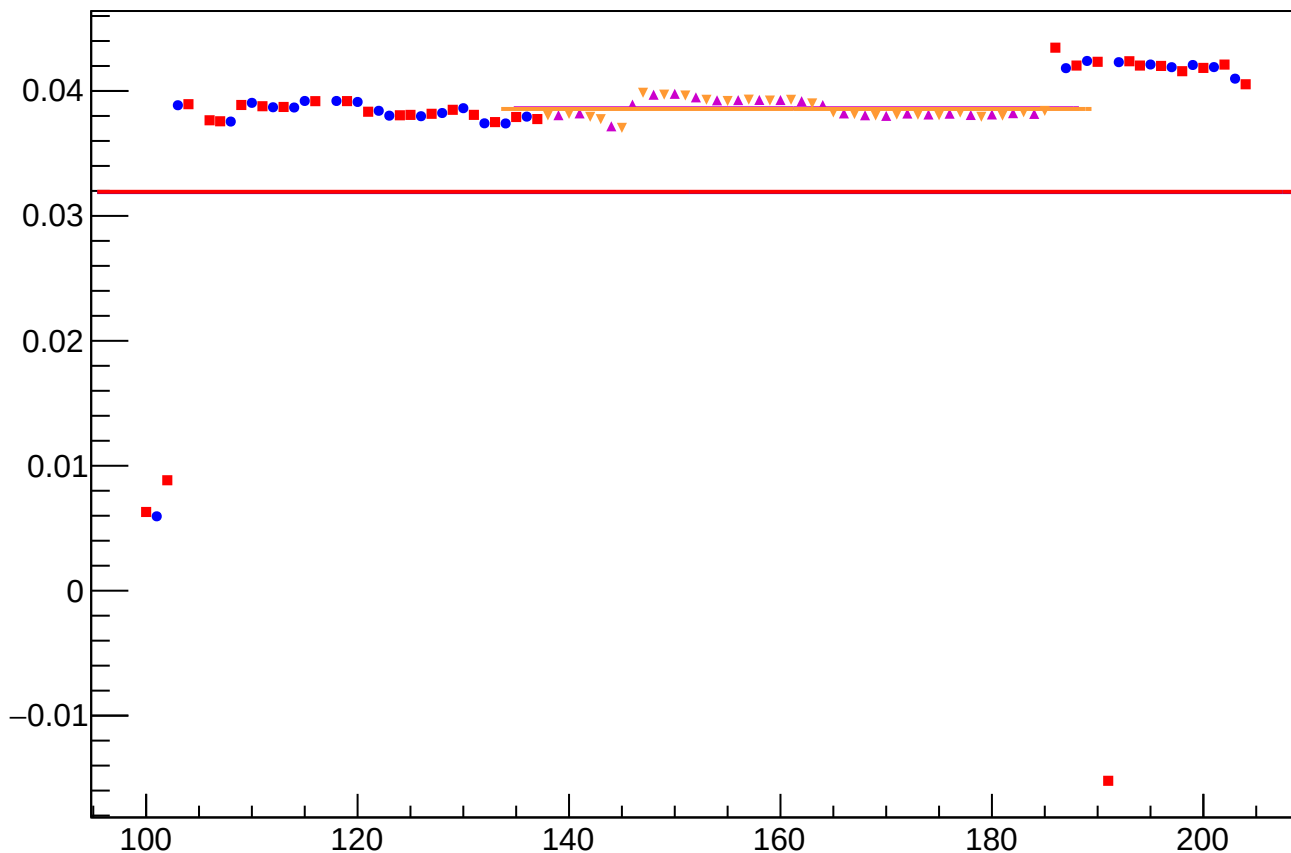
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3281119.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25034011.8/49

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43747425.3/102

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14491976.4/52

yield_atr1_mean vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 109115208556.7/24

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF:539468437.3/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 176796450693.9/29

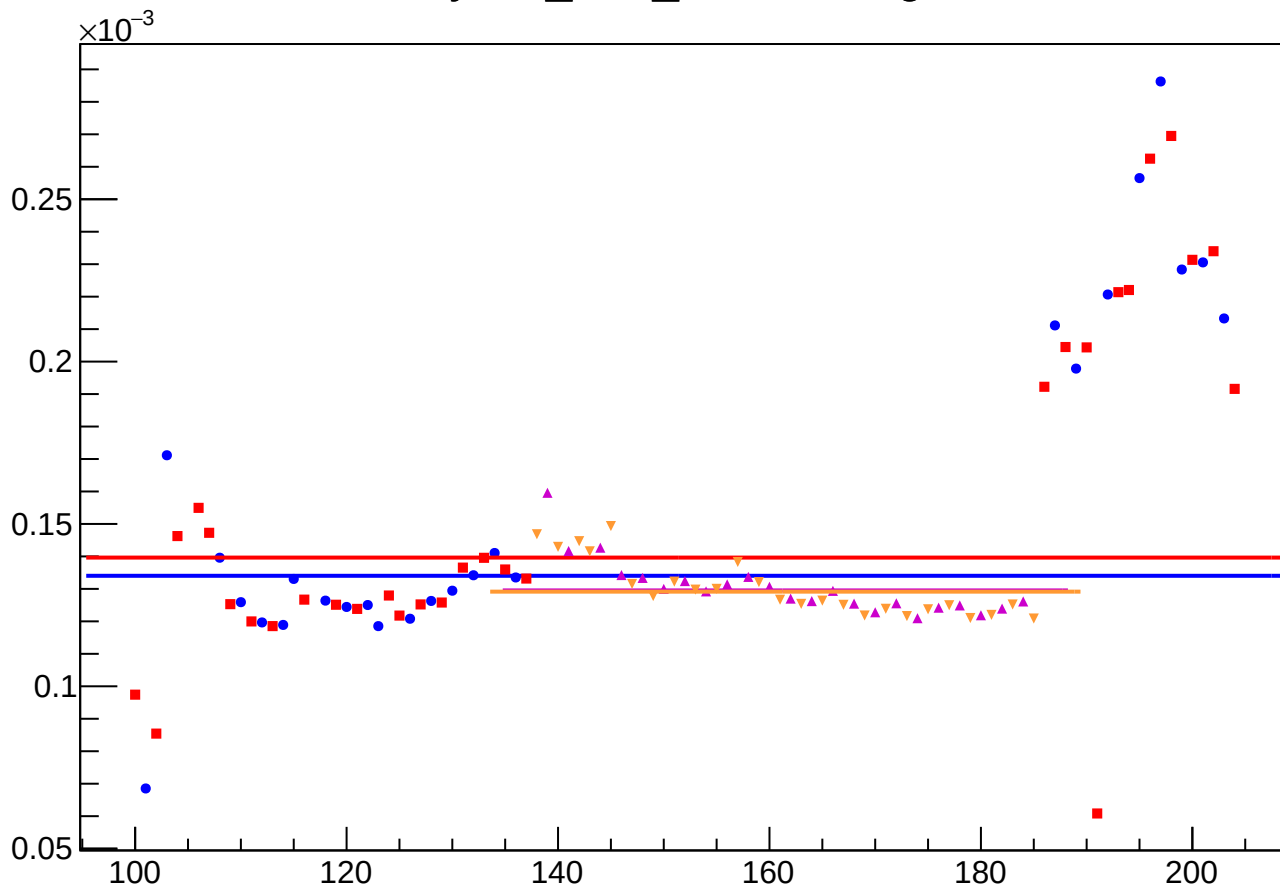
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF:465745982.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 126199642462.1/49

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 320702924793.4

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 194480237994.2/52

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3090641.2/24

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3028985.3/29

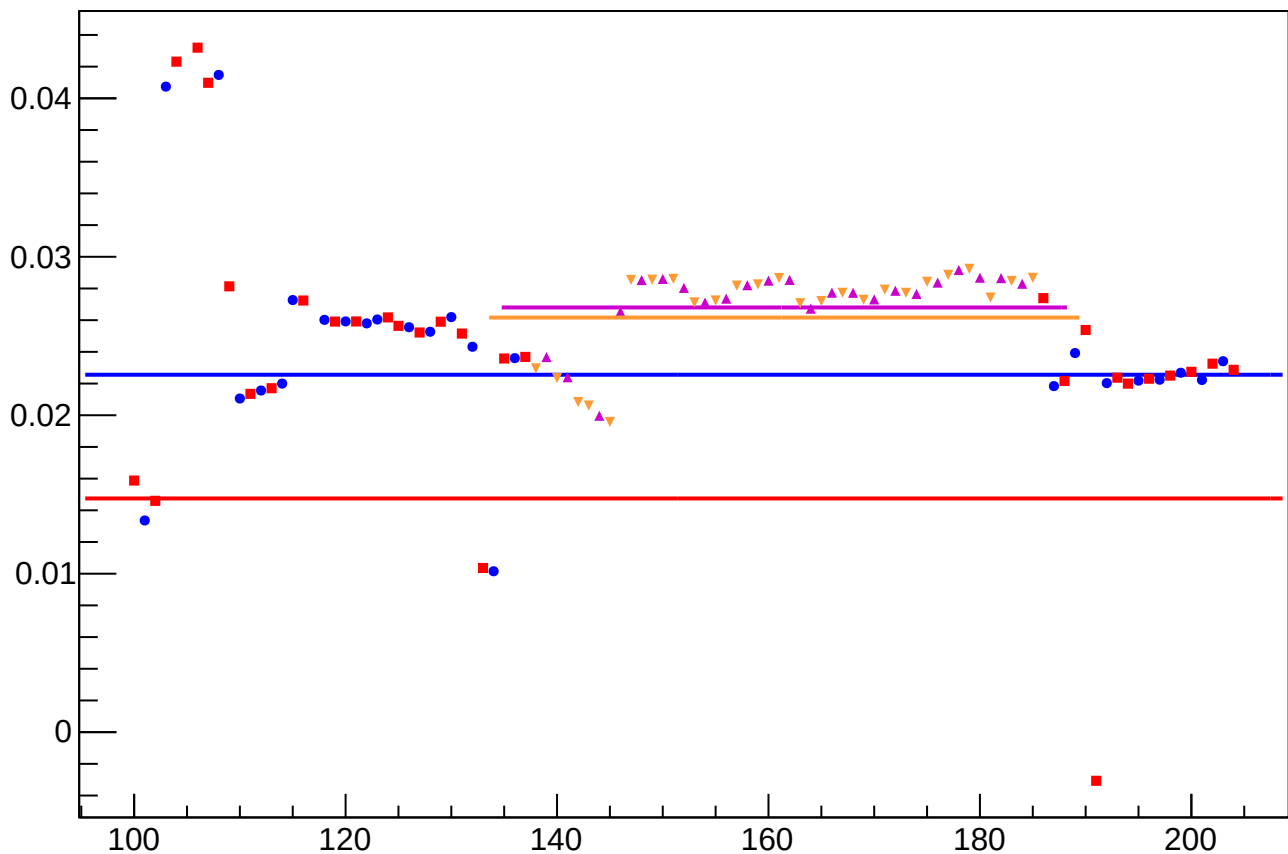
Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 3238778.8/49

All: 0.000+/-0.000 χ^2/NDF : 6471545.6/102

- sign 0.000+/-0.000 χ^2/NDF : 3222401.1/52

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4245546475.8/24

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 31063095227.3/29

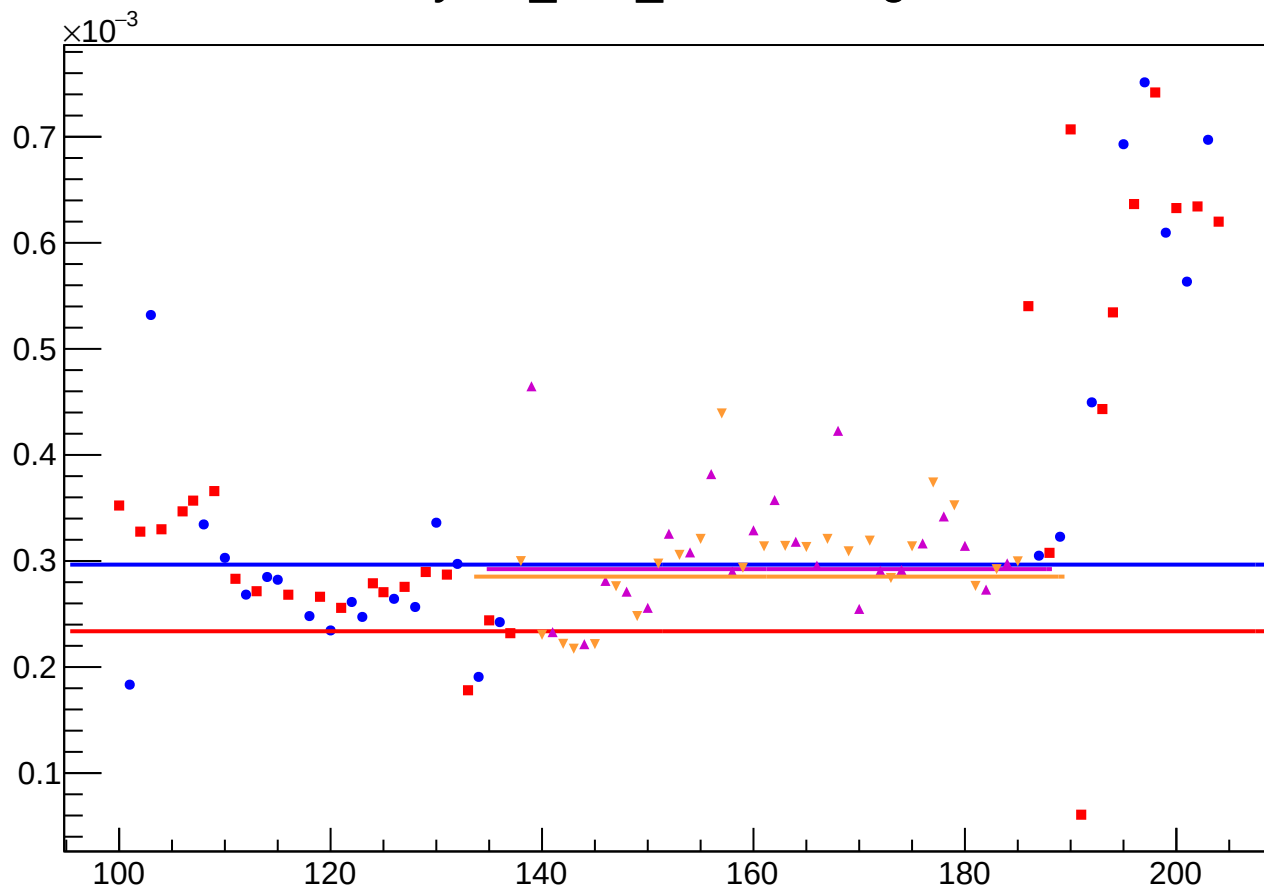
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7217316324.9/49

All: 0.023+/-0.000 χ^2/NDF : 54527547919.5/100

- sign 0.021+/-0.000 χ^2/NDF : 44993519915.0/52

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3450297.2/24

Left Out: 0.000+/-0.000 χ^2/NDF : 813464.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8158220.4/29

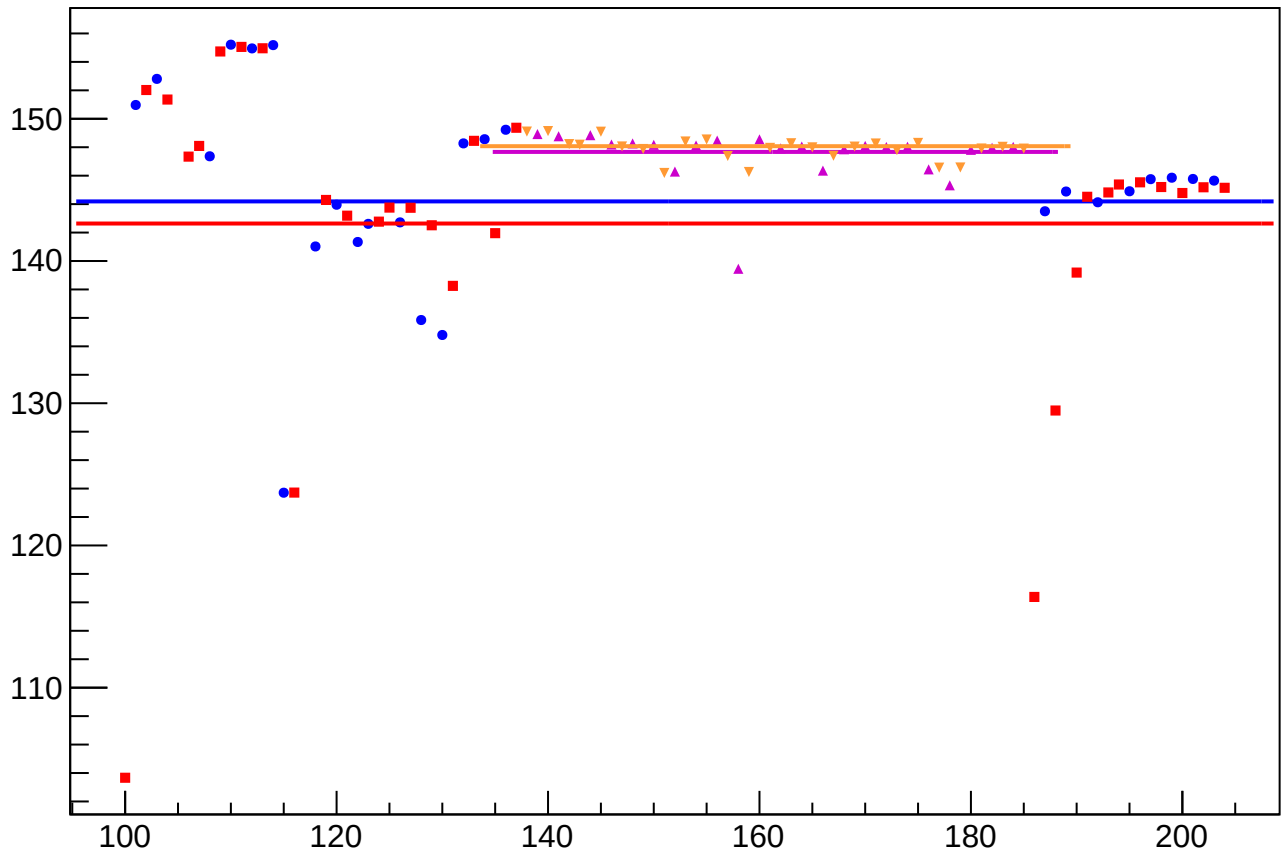
Left In: 0.000+/-0.000 χ^2/NDF : 898772.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 4281756.1/49

All: 0.000+/-0.000 χ^2/NDF : 14128833.2/102

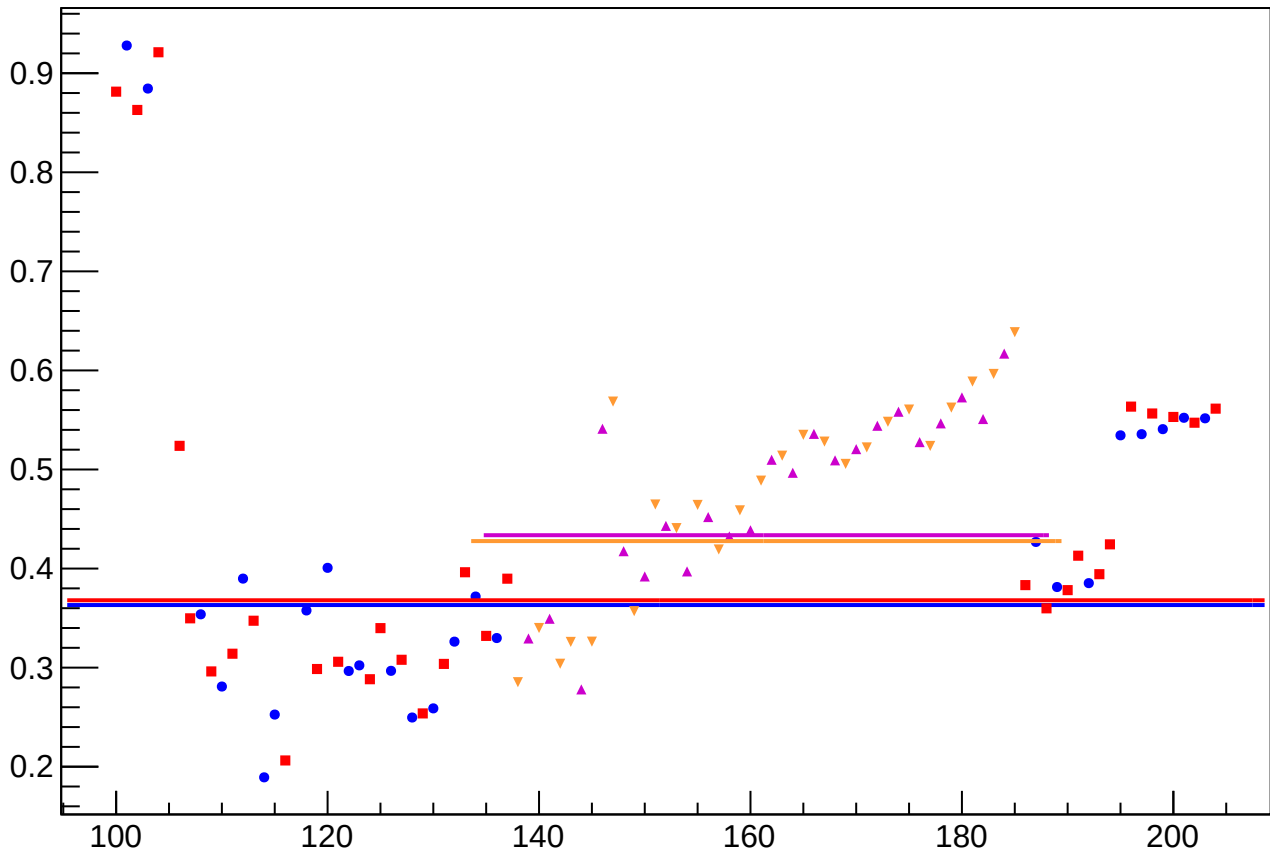
- sign 0.000+/-0.000 χ^2/NDF : 9652359.6/52

yield_bcm_an_ds_mean vs Slug



Right In: 144.191 $\pm$ 0.000	χ^2 /NDF: 3485277708.2/24	+ sign 146.305 $\pm$ 0.000	χ^2 /NDF: 4187793863.8/49
Left Out: 148.073 $\pm$ 0.000	χ^2 /NDF: 65614067.4/24	All: 145.693 $\pm$ 0.000	χ^2 /NDF: 13168727600.0
Right Out: 142.635 $\pm$ 0.000	χ^2 /NDF: 7392386246.4/29	- sign 145.102 $\pm$ 0.000	χ^2 /NDF: 8855559256.8/52
Left In: 147.670 $\pm$ 0.000	χ^2 /NDF: 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.363 ± 0.000 χ^2/NDF : 2350626.7/24

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.368 ± 0.000 χ^2/NDF : 2327903.0/29

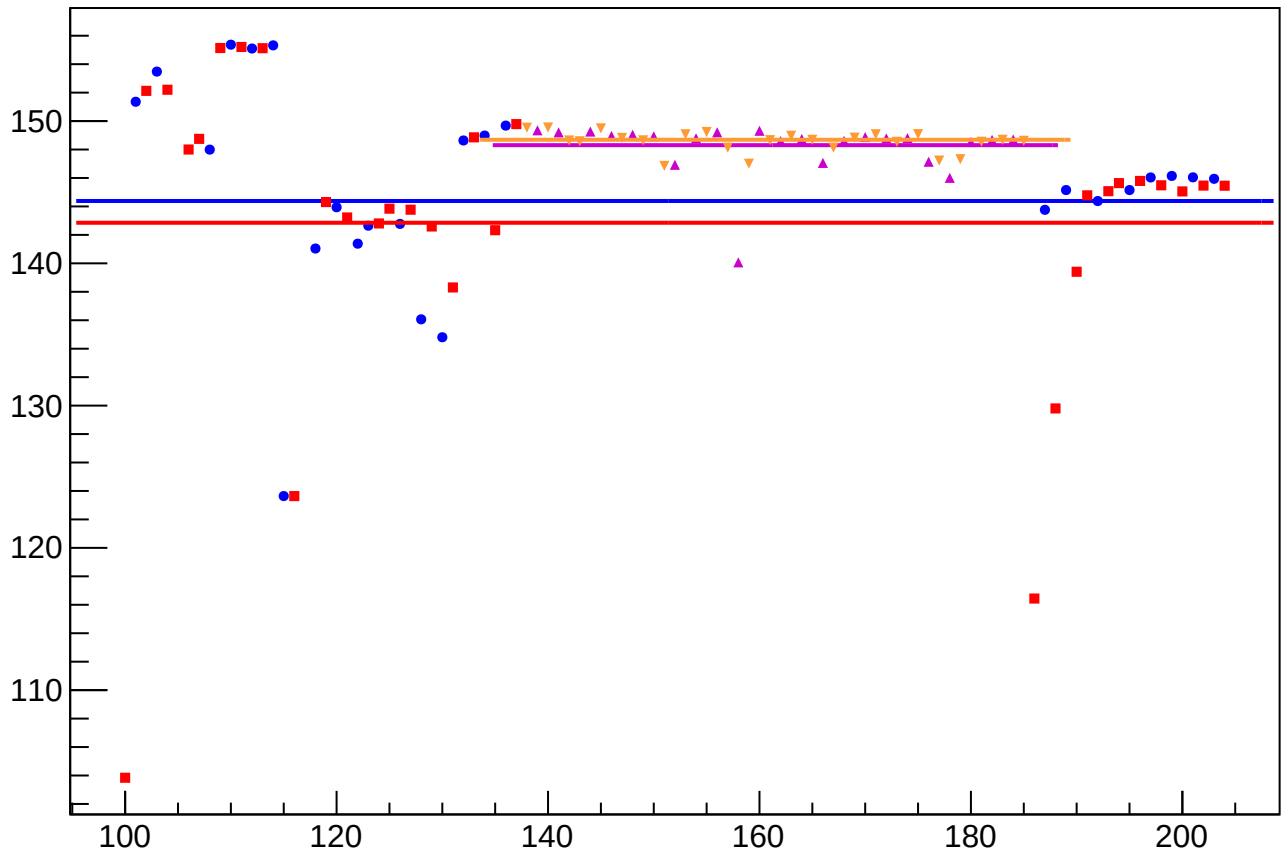
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.398 ± 0.000 χ^2/NDF : 4599694.0/49

All: 0.399 ± 0.000 χ^2/NDF : 8804961.3/102

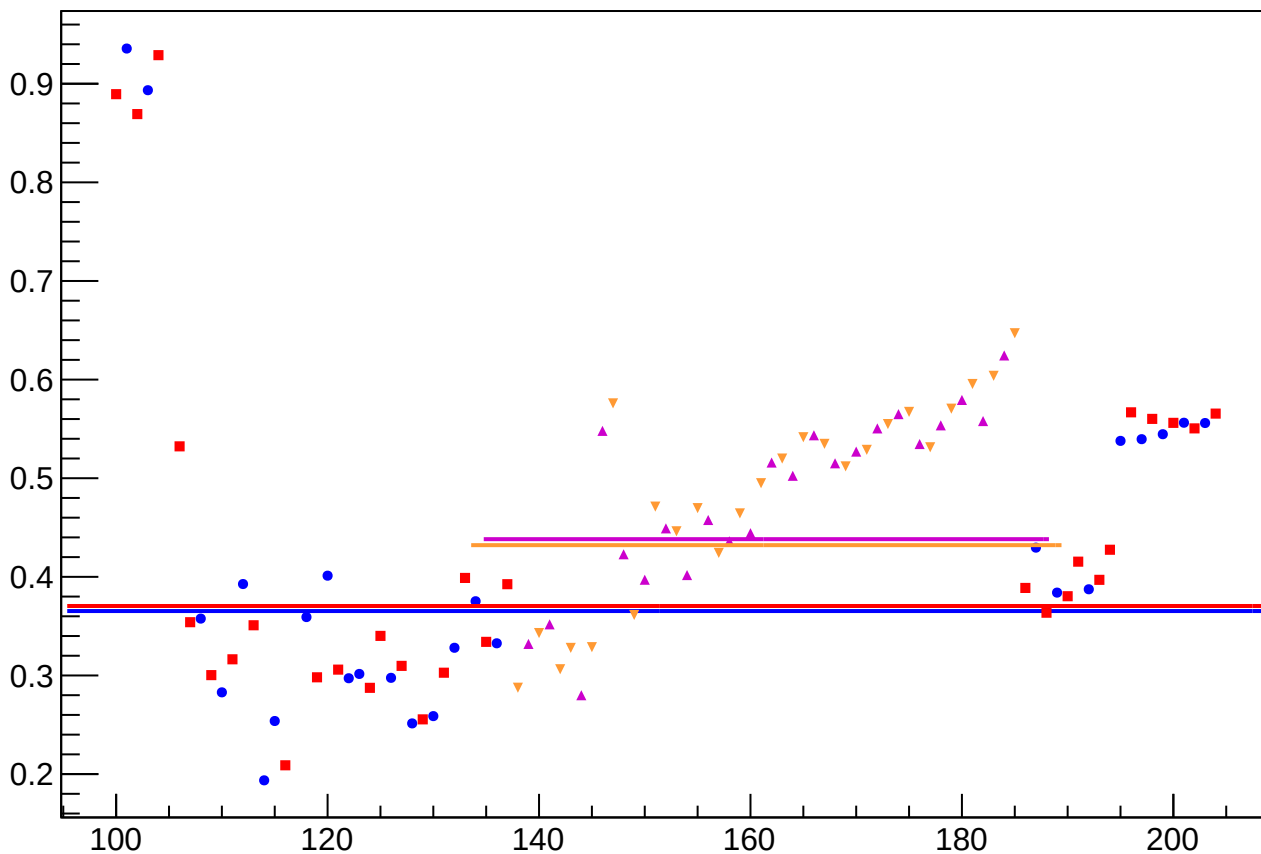
- sign 0.400 ± 0.000 χ^2/NDF : 4204678.6/52

yield_bcm_an_ds3_mean vs Slug



Right In: 144.383+/-0.000	χ^2/NDF : 3533773027.3/24	+ sign 146.717+/-0.000	χ^2/NDF : 4355746793.9/49
Left Out: 148.686+/-0.000	χ^2/NDF : 52218185.1/24	All: 146.105+/-0.000	χ^2/NDF : 13441884948.
Right Out: 142.853+/-0.000	χ^2/NDF : 7340406111.5/29	- sign 145.514+/-0.000	χ^2/NDF : 8962958536.4/52
Left In: 148.307+/-0.000	χ^2/NDF : 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.365 ± 0.000 $\chi^2/\text{NDF}: 2357398.7/24$

Left Out: 0.432 ± 0.000 $\chi^2/\text{NDF}: 1929031.5/24$

Right Out: 0.370 ± 0.000 $\chi^2/\text{NDF}: 2331912.0/29$

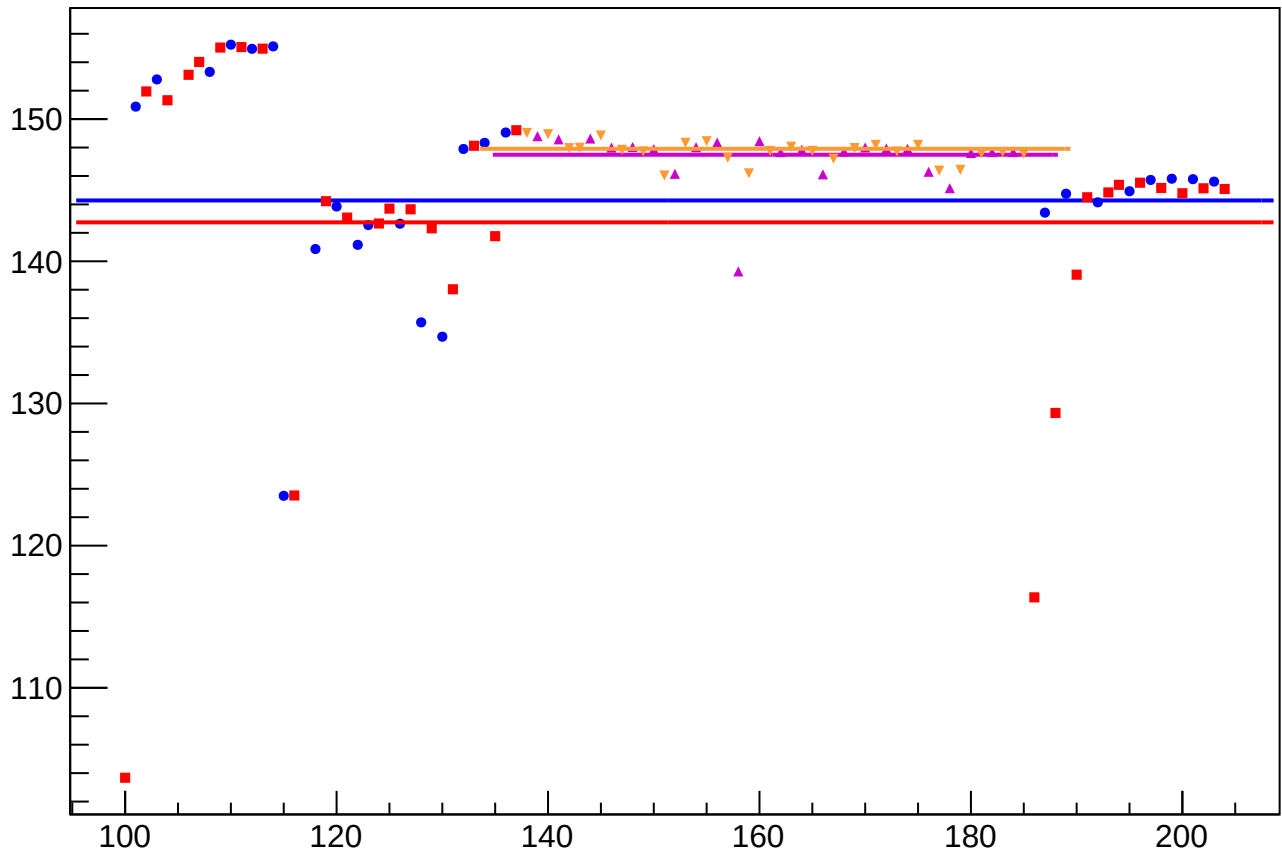
Left In: 0.438 ± 0.000 $\chi^2/\text{NDF}: 1521893.6/22$

+ sign 0.402 ± 0.000 $\chi^2/\text{NDF}: 4657569.4/49$

All: 0.403 ± 0.000 $\chi^2/\text{NDF}: 8909986.4/102$

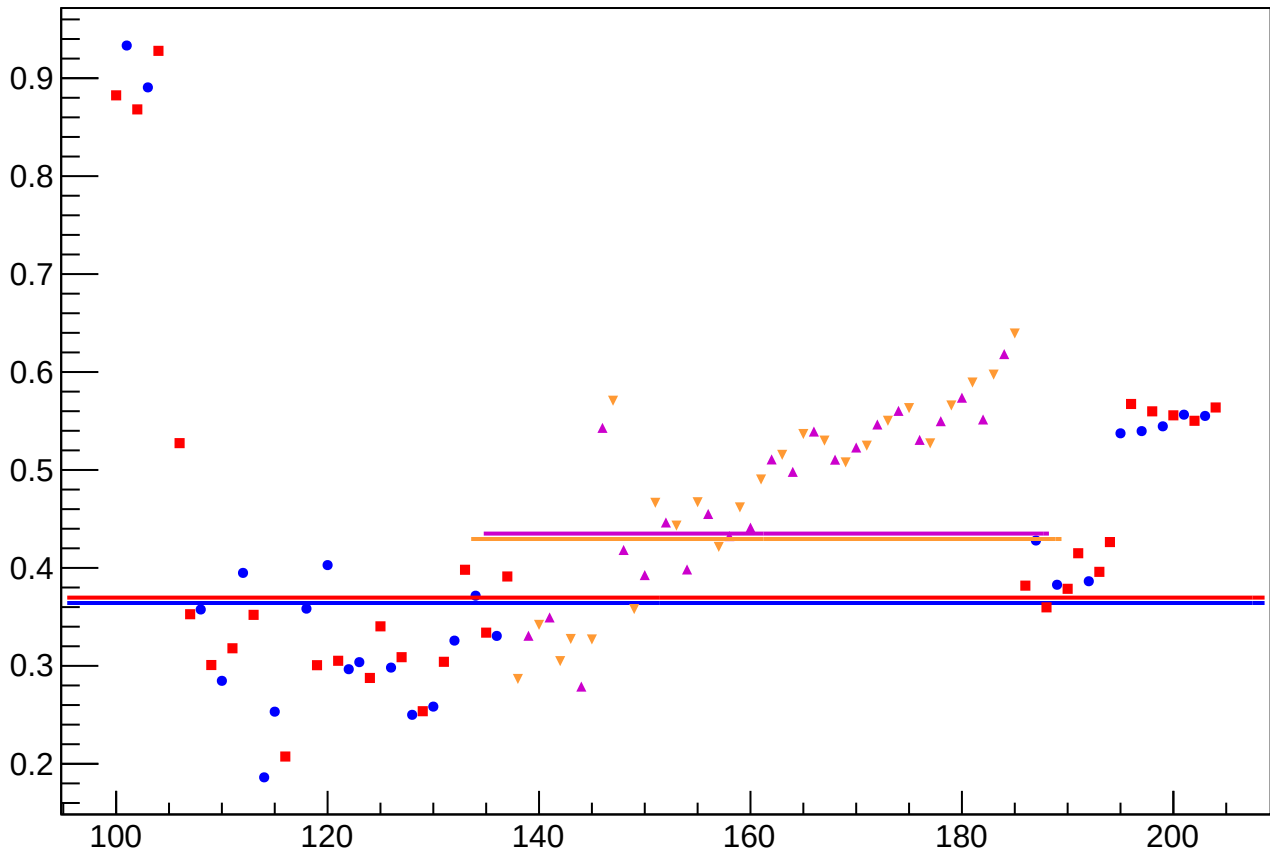
- sign 0.404 ± 0.000 $\chi^2/\text{NDF}: 4251762.1/52$

yield_bcm_an_us_mean vs Slug



Right In: 144.279 $\pm$ 0.000	χ^2 /NDF: 3692559709.9/24	+ sign 146.256 $\pm$ 0.000	χ^2 /NDF: 4310282613.2/49
Left Out: 147.911 $\pm$ 0.000	χ^2 /NDF: 64412407.9/24	All: 145.653 $\pm$ 0.000	χ^2 /NDF: 13535796228.
Right Out: 142.739 $\pm$ 0.000	χ^2 /NDF: 7771665368.9/29	- sign 145.071 $\pm$ 0.000	χ^2 /NDF: 9104842325.3/52
Left In: 147.493 $\pm$ 0.000	χ^2 /NDF: 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.364 ± 0.000 $\chi^2/\text{NDF}: 2380997.0/24$

Left Out: 0.430 ± 0.000 $\chi^2/\text{NDF}: 1895701.4/24$

Right Out: 0.370 ± 0.000 $\chi^2/\text{NDF}: 2332052.7/29$

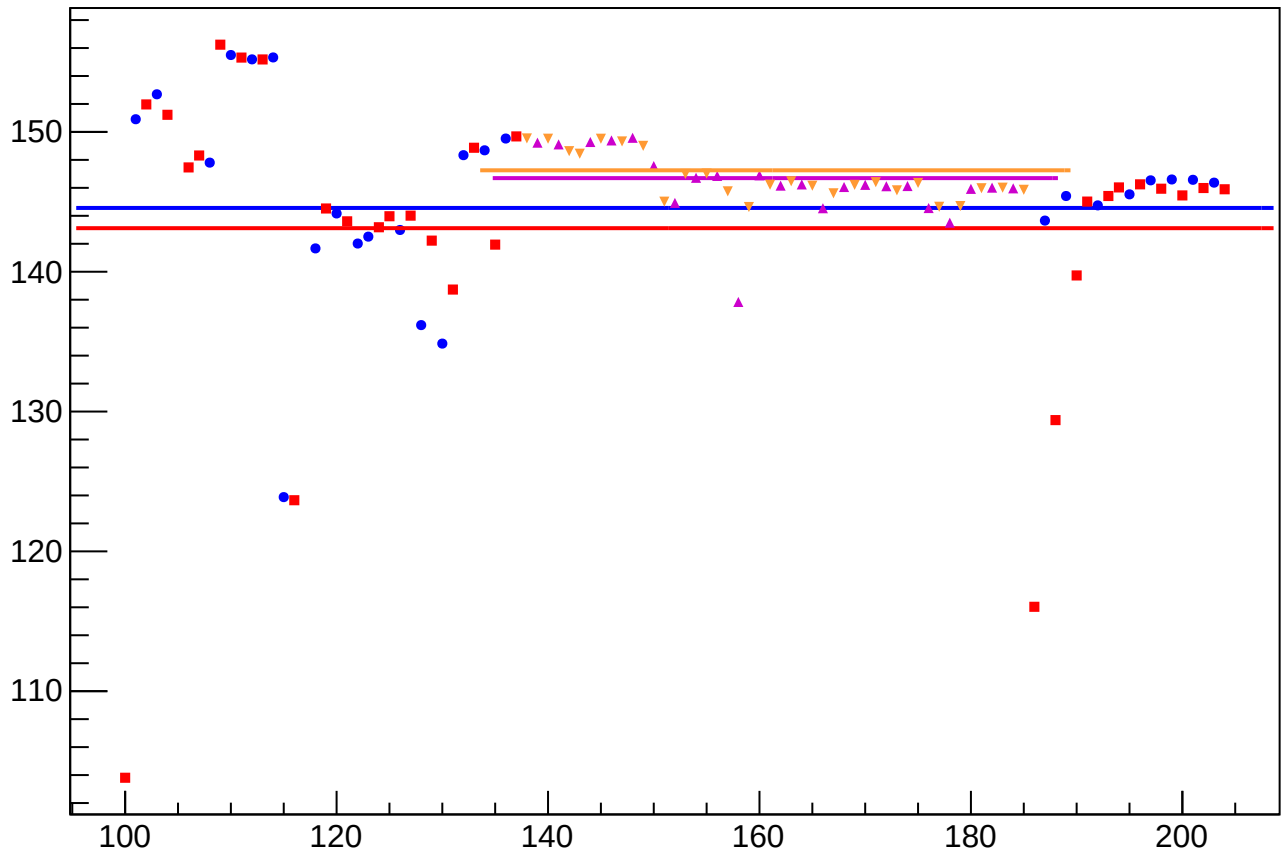
Left In: 0.435 ± 0.000 $\chi^2/\text{NDF}: 1502712.5/22$

+ sign 0.400 ± 0.000 $\chi^2/\text{NDF}: 4634596.7/49$

All: 0.401 ± 0.000 $\chi^2/\text{NDF}: 8843967.4/102$

- sign 0.402 ± 0.000 $\chi^2/\text{NDF}: 4208678.5/52$

yield_bcm_dg_us_mean vs Slug



Right In: 144.563 $\pm$ 0.000 χ^2 /NDF: 3215474192.9/24

Left Out: 147.255 $\pm$ 0.000 χ^2 /NDF: 262138049.8/24

Right Out: 143.116 $\pm$ 0.000 χ^2 /NDF: 7104873543.8/29

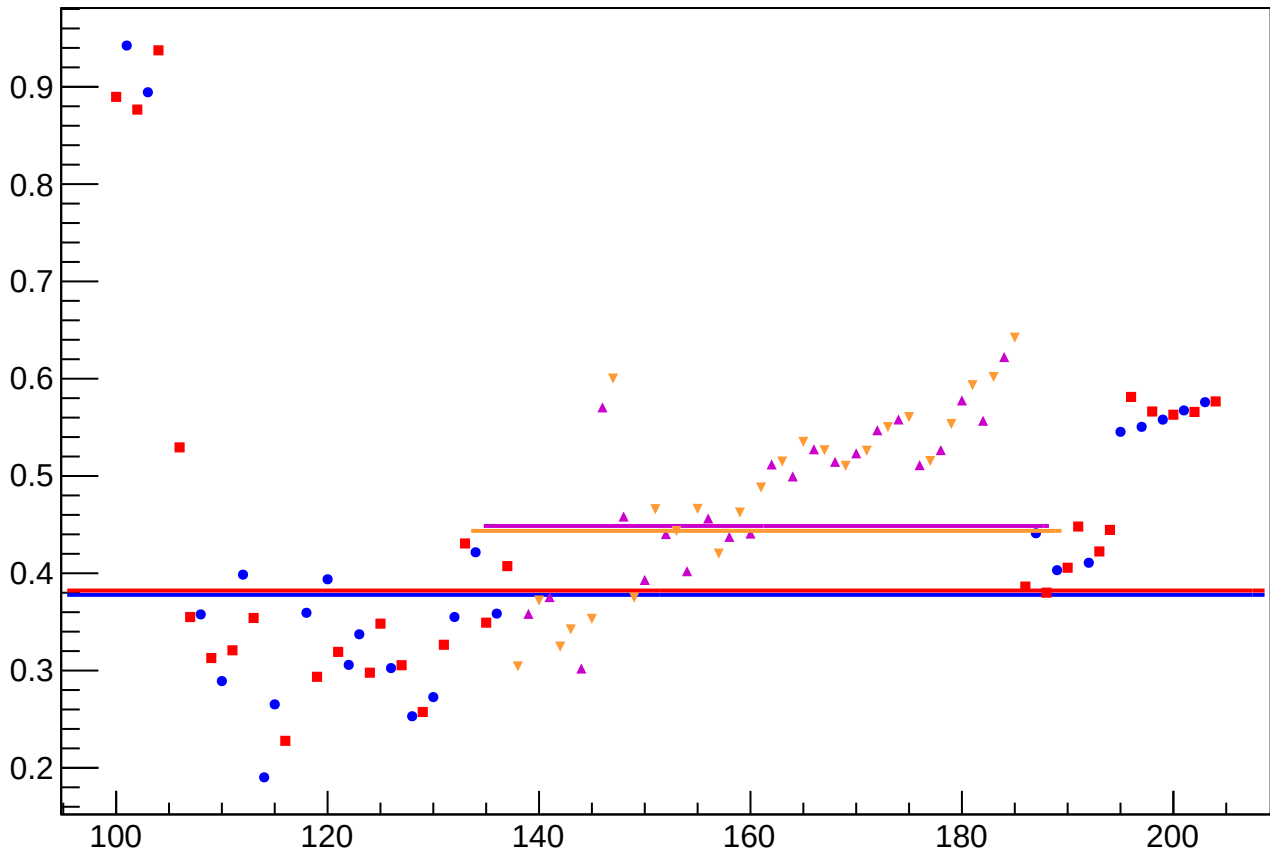
Left In: 146.695 $\pm$ 0.000 χ^2 /NDF: 557896803.1/22

+ sign 146.041 $\pm$ 0.000 χ^2 /NDF: 3762090908.1/49

All: 145.453 $\pm$ 0.000 χ^2 /NDF: 12060653022.

- sign 144.887 $\pm$ 0.000 χ^2 /NDF: 8190935375.1/52

yield_bcm_dg_us_rms vs Slug



Right In: 0.378 $\pm$ 0.000 χ^2 /NDF: 2327915.4/24

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.382 $\pm$ 0.000 χ^2 /NDF: 2275352.7/29

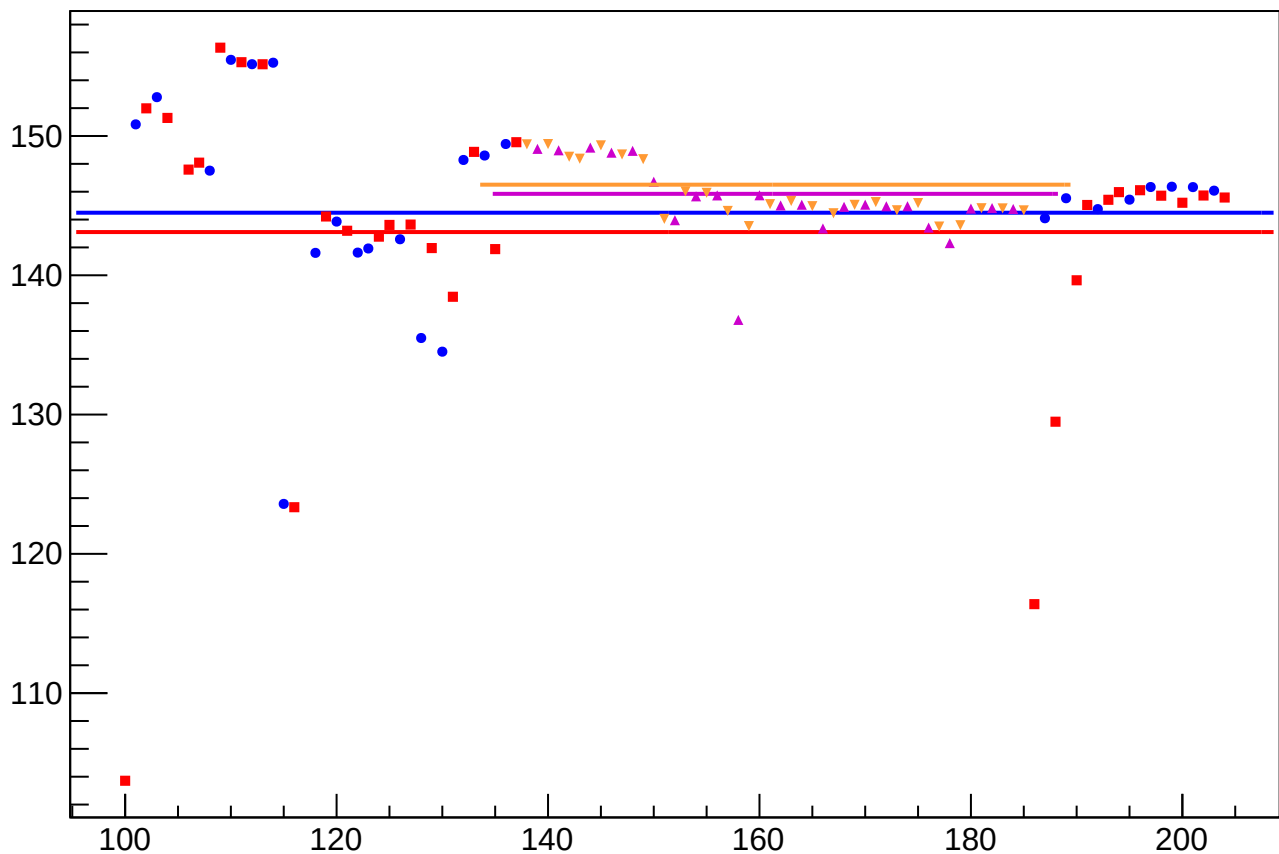
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.414 $\pm$ 0.000 χ^2 /NDF: 4150853.8/49

All: 0.415 $\pm$ 0.000 χ^2 /NDF: 7922437.6/102

- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 3771365.3/52

yield_bcm_dg_ds_mean vs Slug



Right In: 144.492 $\pm$ 0.000 χ^2 /NDF: 3327477449.2/24

Left Out: 146.505 $\pm$ 0.000 χ^2 /NDF: 401688176.3/24

Right Out: 143.103 $\pm$ 0.000 χ^2 /NDF: 7062574685.5/29

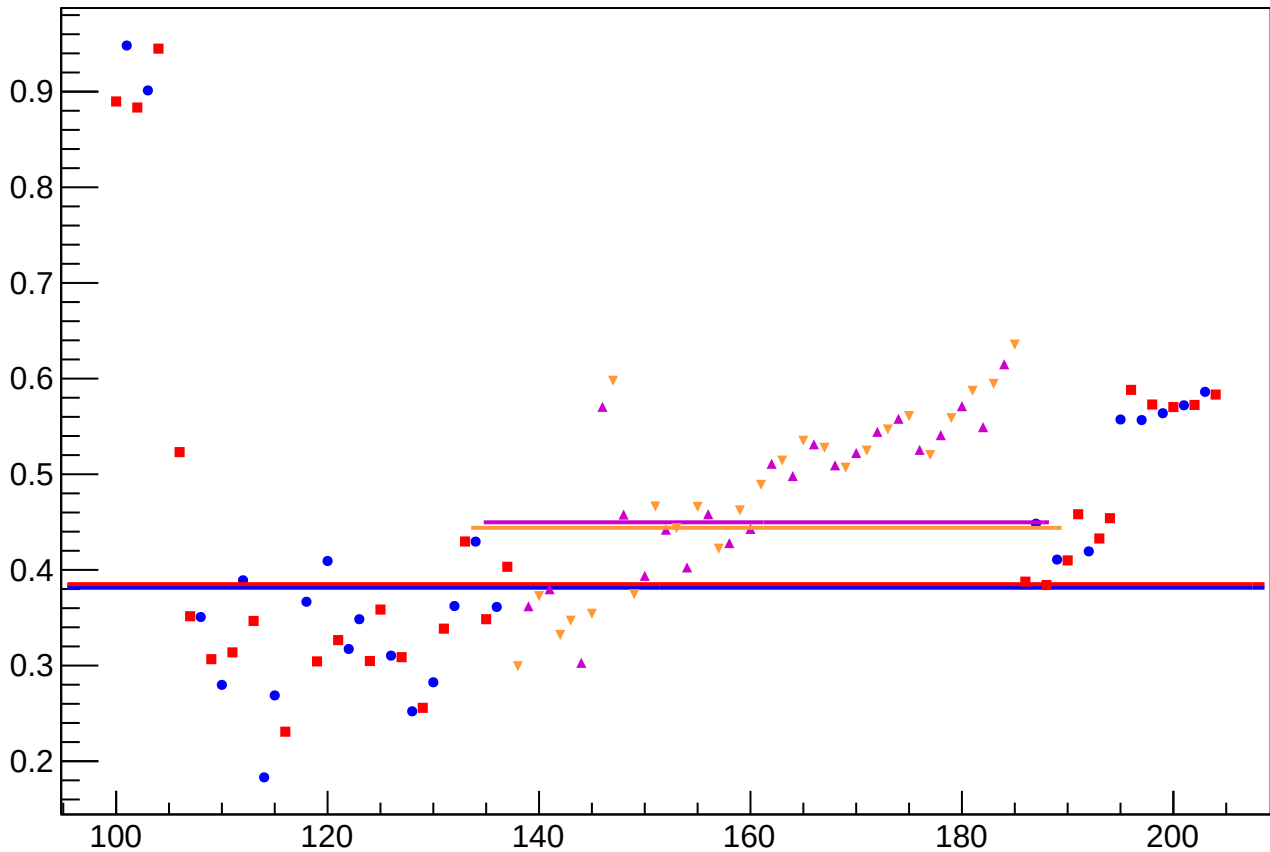
Left In: 145.847 $\pm$ 0.000 χ^2 /NDF: 694764545.6/22

+ sign 145.608 $\pm$ 0.000 χ^2 /NDF: 3886137119.9/49

All: 145.028 $\pm$ 0.000 χ^2 /NDF: 12053515470.

- sign 144.470 $\pm$ 0.000 χ^2 /NDF: 8063968686.3/52

yield_bcm_dg_ds_rms vs Slug



Right In: 0.381 ± 0.000 χ^2/NDF : 2370075.9/24

Left Out: 0.444 ± 0.000 χ^2/NDF : 1463293.5/24

Right Out: 0.385 ± 0.000 χ^2/NDF : 2299488.5/29

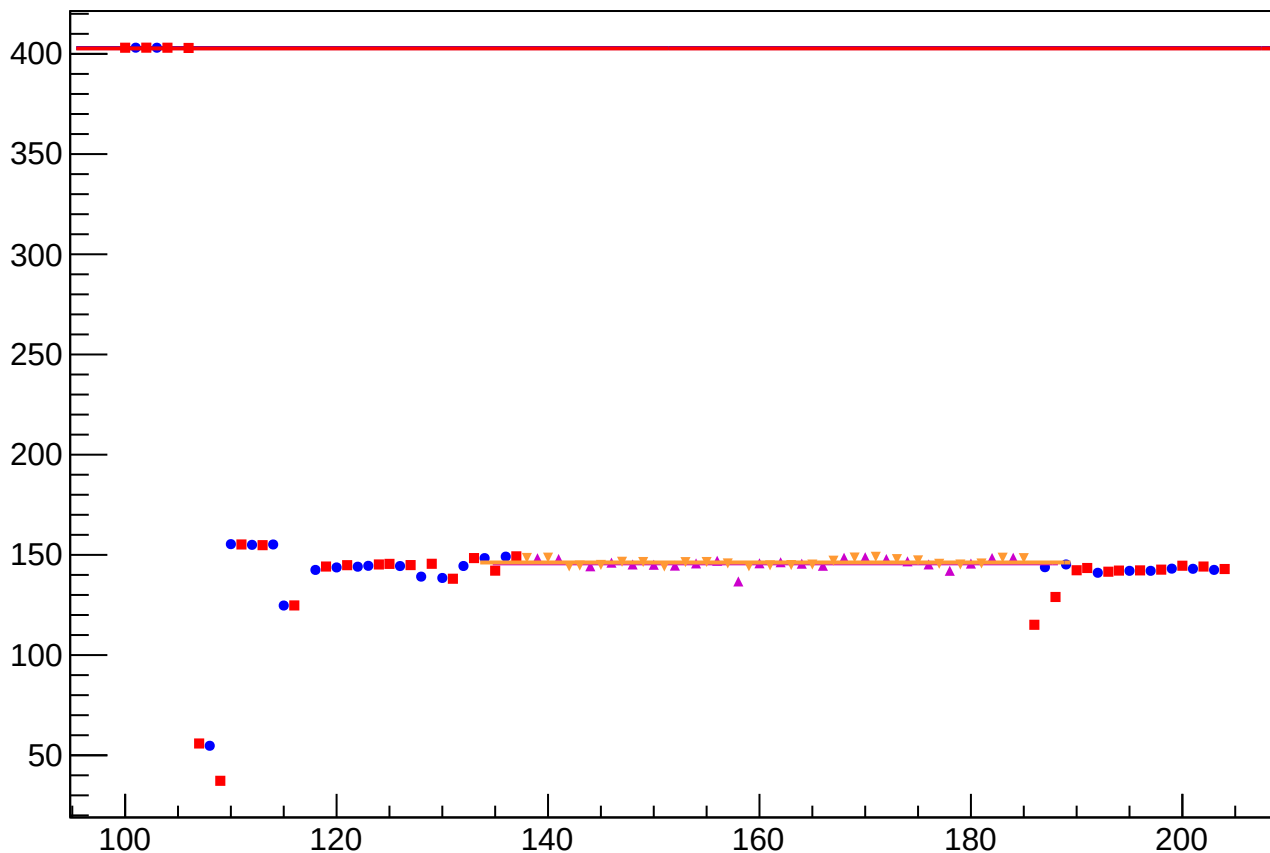
Left In: 0.450 ± 0.000 χ^2/NDF : 1105405.0/22

+ sign 0.416 ± 0.000 χ^2/NDF : 4137187.6/49

All: 0.417 ± 0.000 χ^2/NDF : 7883049.8/102

- sign 0.417 ± 0.000 χ^2/NDF : 3745622.6/52

yield_cav4bQ_mean vs Slug



Right In: 402.906 $\pm$ 0.000 χ^2 /NDF: 1514540528543.9/24

Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24

Right Out: 402.728 $\pm$ 0.000 χ^2 /NDF: 3760706892873.7/29

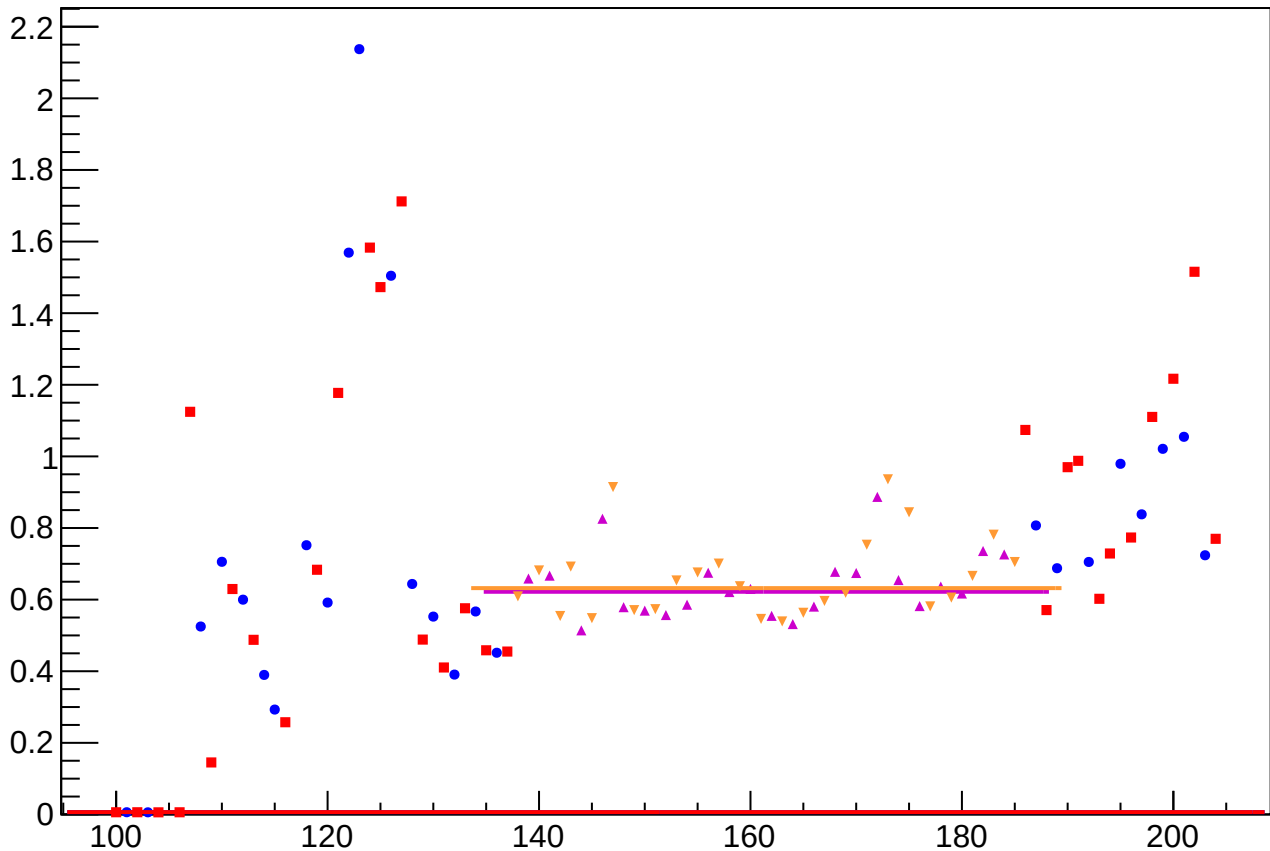
Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.609 $\pm$ 0.000 χ^2 /NDF: 3885579670495.8

All: 402.535 $\pm$ 0.000 χ^2 /NDF: 999276704120

- sign 402.469 $\pm$ 0.000 χ^2 /NDF: 6106862896798.2

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 17511185.1/24

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 20755355.3/29

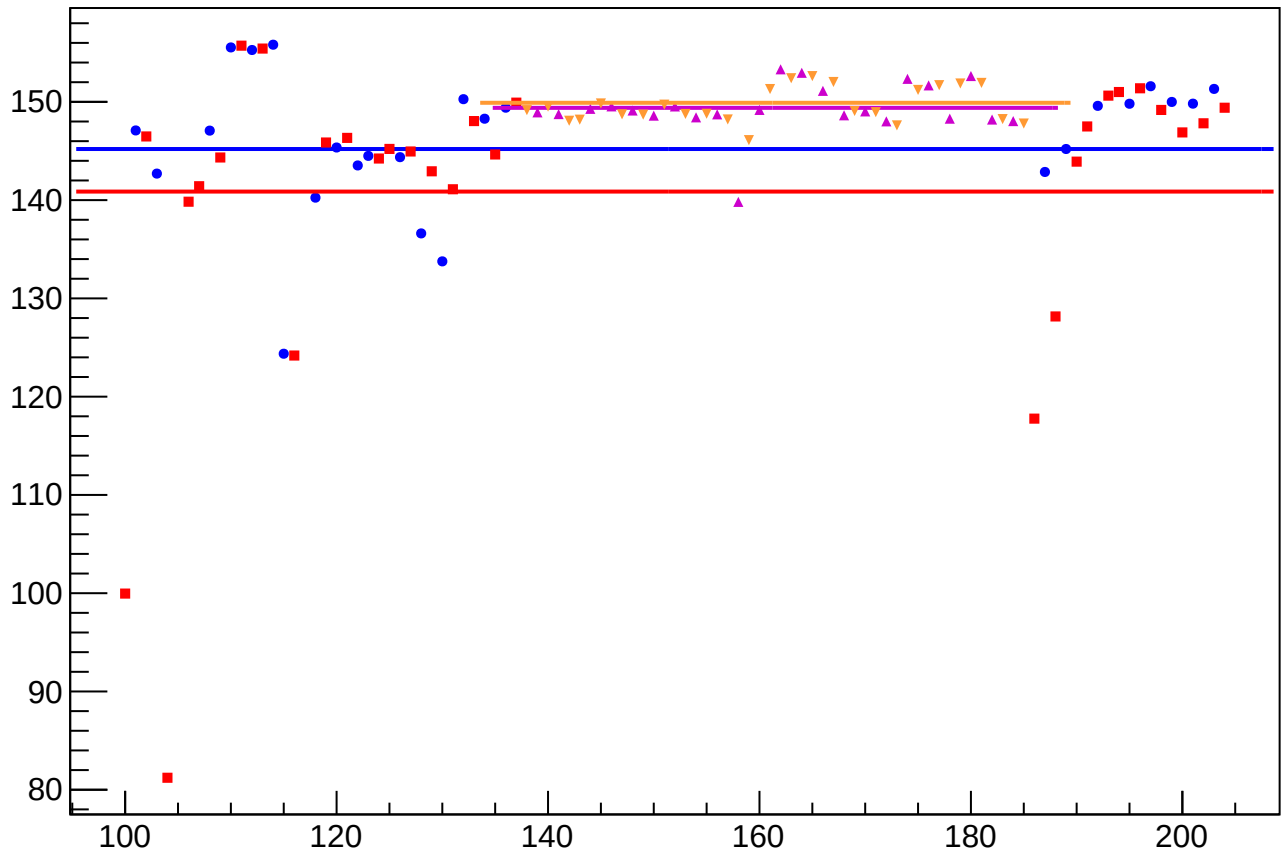
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 46290311.1/49

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 94363398.7/102

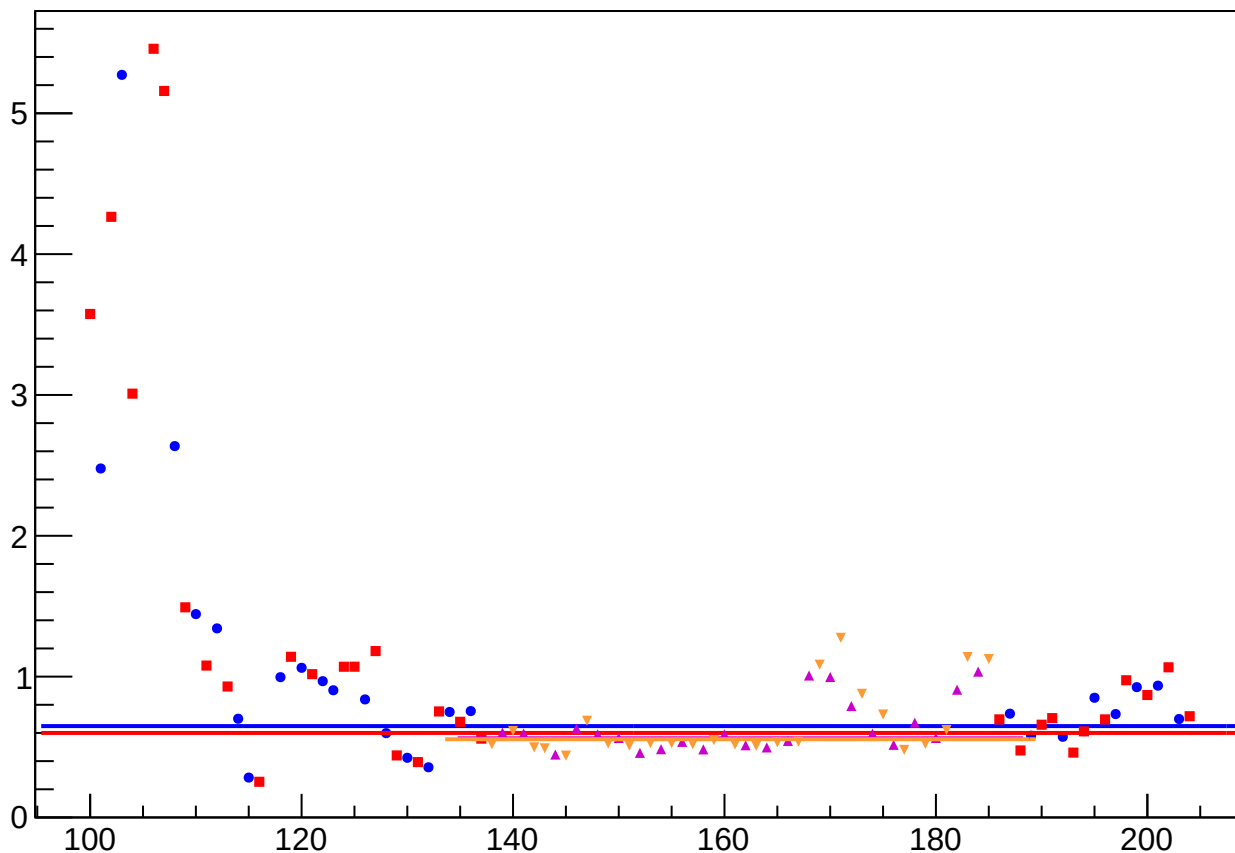
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 48072907.7/52

yield_cav4cQ_mean vs Slug



Right In: 145.201+/-0.000	χ^2/NDF : 1299654700.5/24	+ sign 148.653+/-0.000	χ^2/NDF : 1763082616.2/49
Left Out: 149.906+/-0.000	χ^2/NDF : 163261802.4/24	All: 147.536+/-0.000	χ^2/NDF : 6701365503.6
Right Out: 140.870+/-0.000	χ^2/NDF : 3145293208.3/29	- sign 146.466+/-0.000	χ^2/NDF : 4768624787.8/52
Left In: 149.391+/-0.000	χ^2/NDF : 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.649 ± 0.000 χ^2/NDF : 3940493.0/24

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.600 ± 0.000 χ^2/NDF : 5485819.8/29

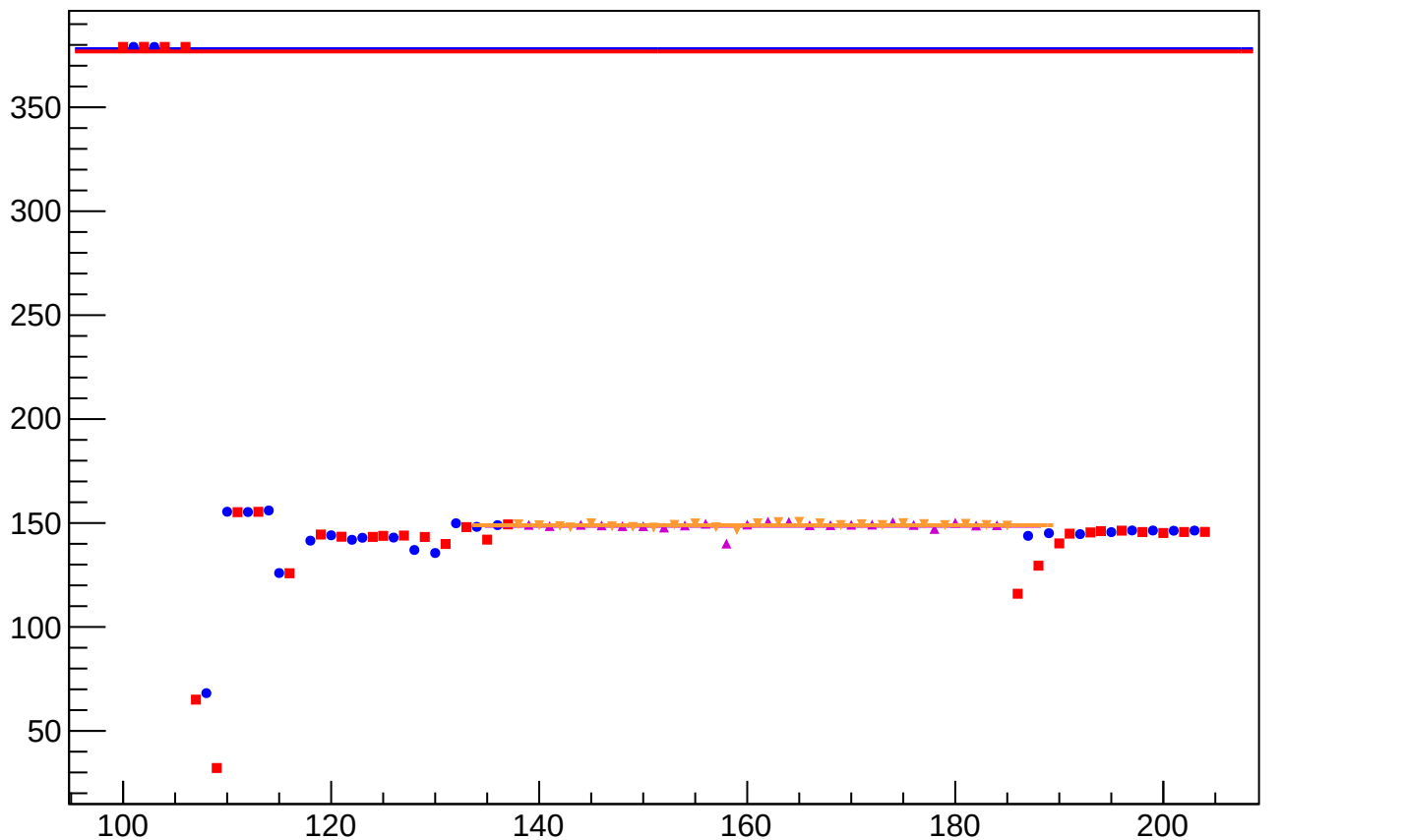
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.580 ± 0.000 χ^2/NDF : 5949885.4/49

All: 0.578 ± 0.000 χ^2/NDF : 12796004.1/102

- sign 0.575 ± 0.000 χ^2/NDF : 6844277.2/52

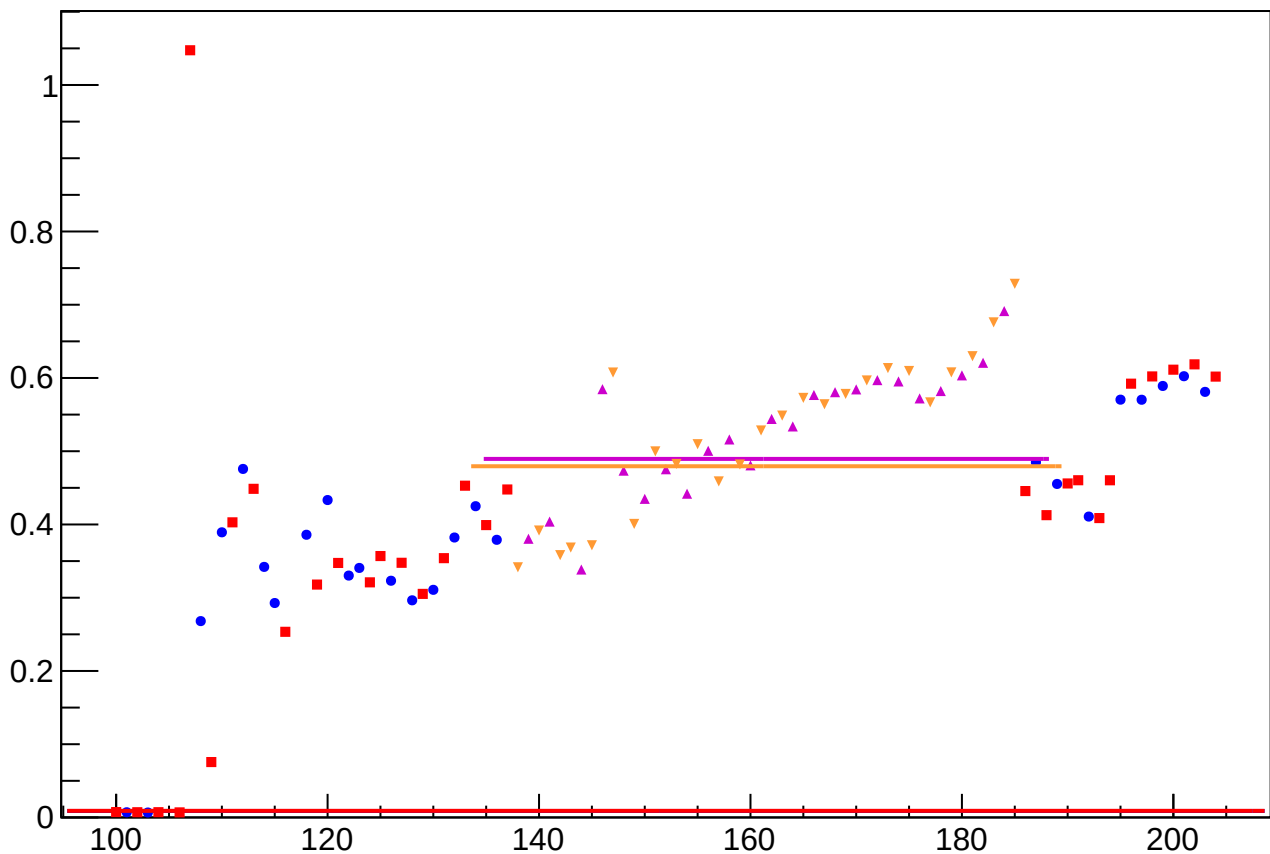
yield_cav4dQ_mean vs Slug



Right In: 377.959 $\pm$ 0.000 χ^2 /NDF: 3511779278726.4/24
 Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24
 Right Out: 376.861 $\pm$ 0.000 χ^2 /NDF: 9821537877269.8/29
 Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22

+ sign 376.680 $\pm$ 0.000 χ^2 /NDF: 7416081956539.6
 All: 376.228 $\pm$ 0.000 χ^2 /NDF: 208145784995
 - sign 375.832 $\pm$ 0.000 χ^2 /NDF: 13393358380992.2

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 19899830.7/24

Left Out: 0.479+/-0.000 χ^2/NDF :1518765.9/24

Right Out: 0.009+/-0.000 χ^2/NDF : 22781647.6/29

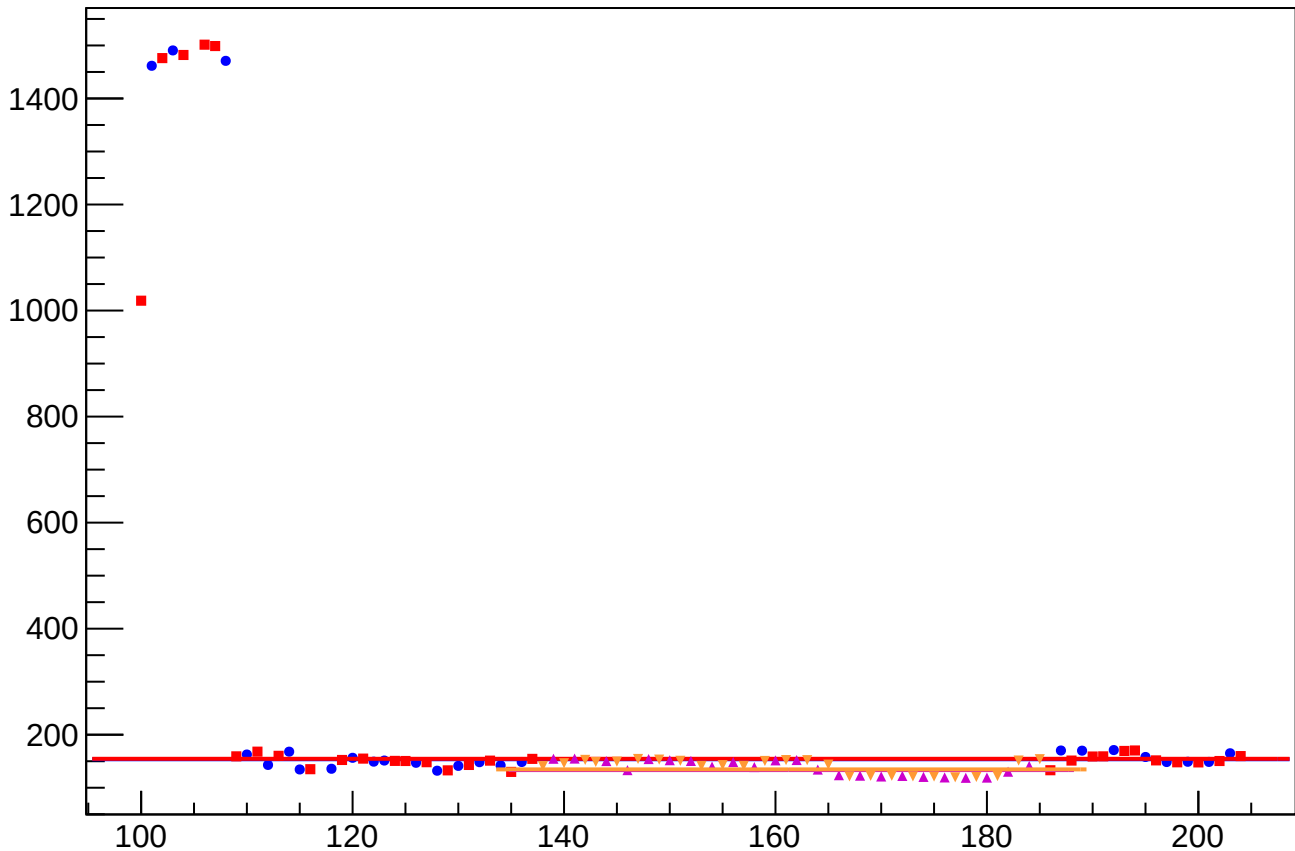
Left In: 0.490+/-0.000 χ^2/NDF :1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 54398054.6/49

All: 0.011+/-0.000 χ^2/NDF : 109946958.6/102

- sign 0.011+/-0.000 χ^2/NDF : 55547760.1/52

yield_bcm0l02_mean vs Slug



Right In: 153.721+/-0.000 χ^2/NDF : 25609388091.3/24

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 154.571+/-0.000 χ^2/NDF : 34855808820.8/29

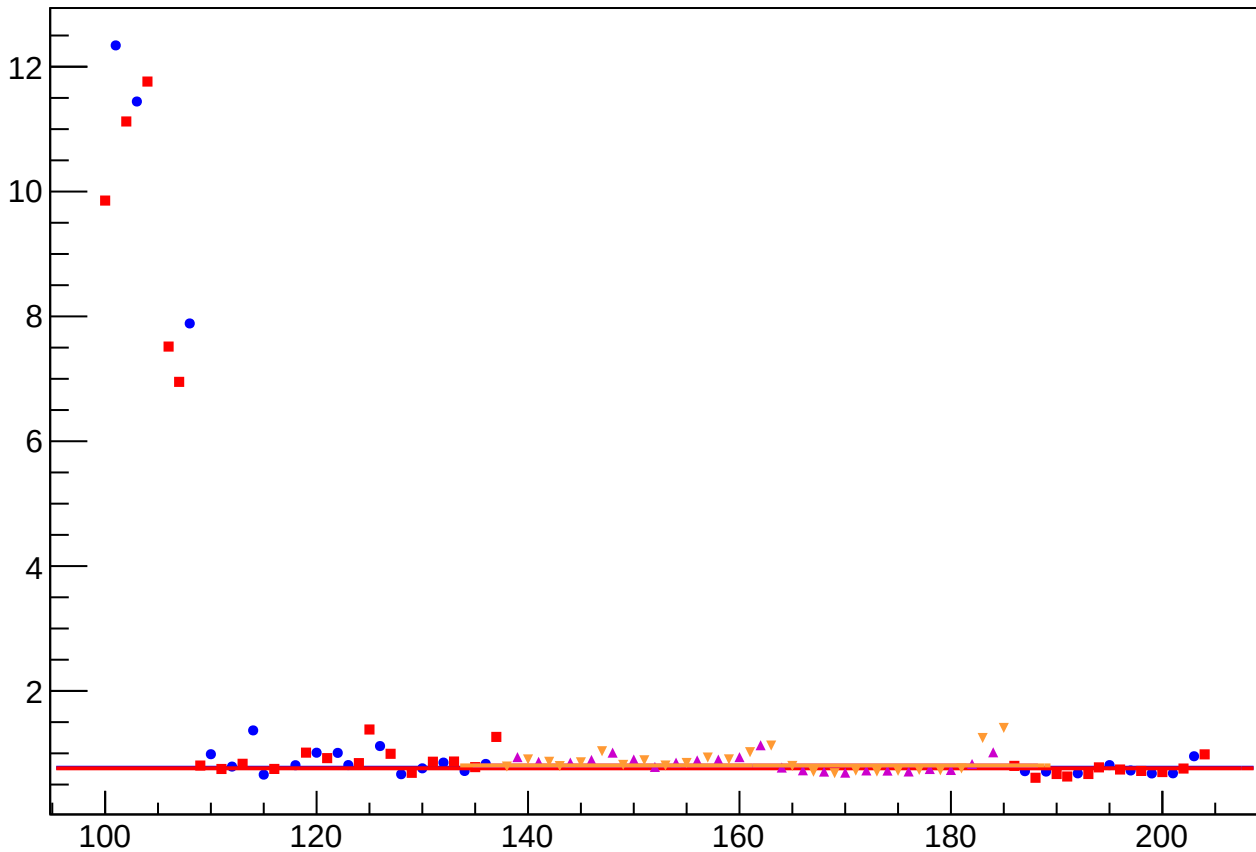
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 141.805+/-0.000 χ^2/NDF : 33276790341.0/49

All: 142.183+/-0.000 χ^2/NDF : 76998805368.

- sign 142.538+/-0.000 χ^2/NDF : 43711466029.9/52

yield_bcm0l02_rms vs Slug



Right In: 0.769 ± 0.000 χ^2/NDF : 2878123.5/24

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.760 ± 0.000 χ^2/NDF : 3199691.9/29

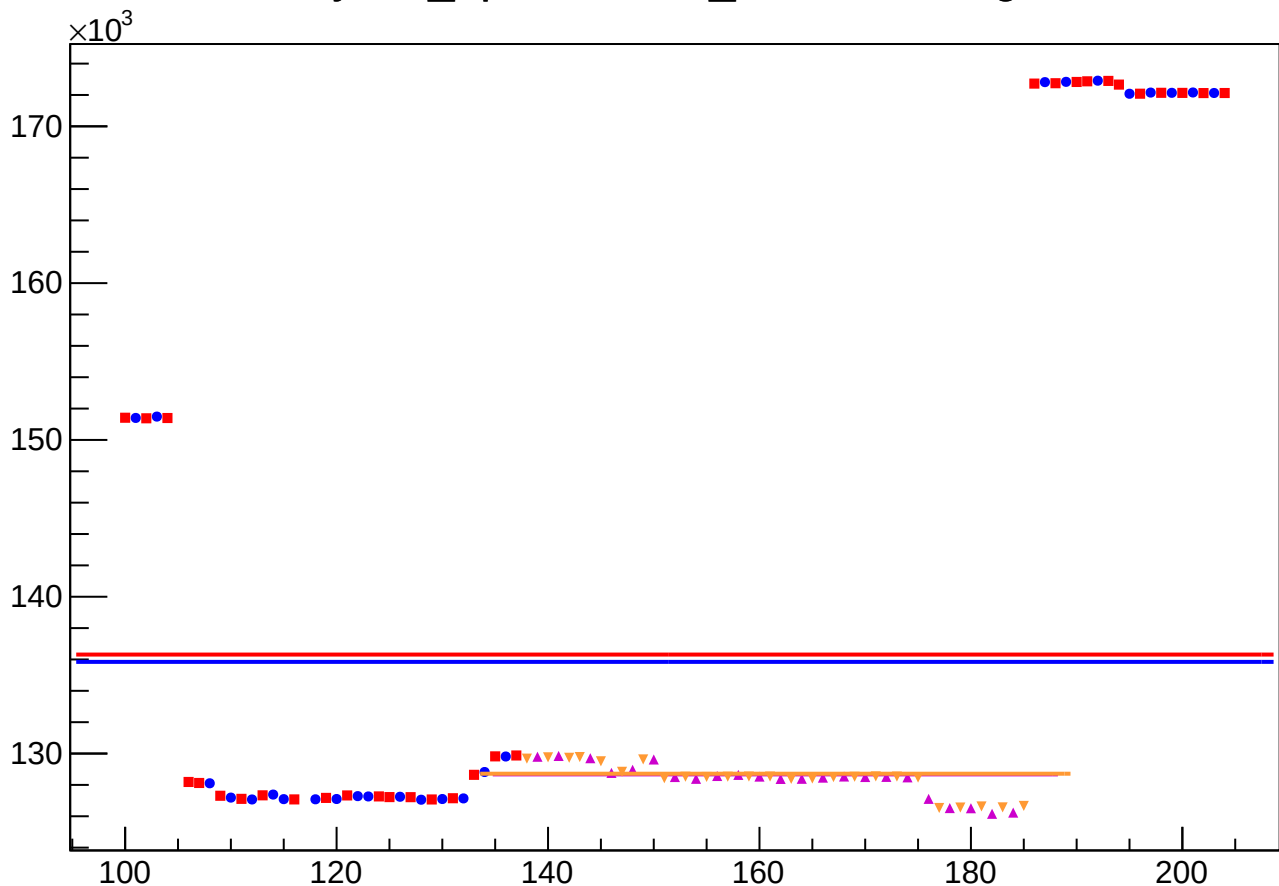
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.793 ± 0.000 χ^2/NDF : 3607185.1/49

All: 0.789 ± 0.000 χ^2/NDF : 7327561.4/102

- sign 0.785 ± 0.000 χ^2/NDF : 3718306.2/52

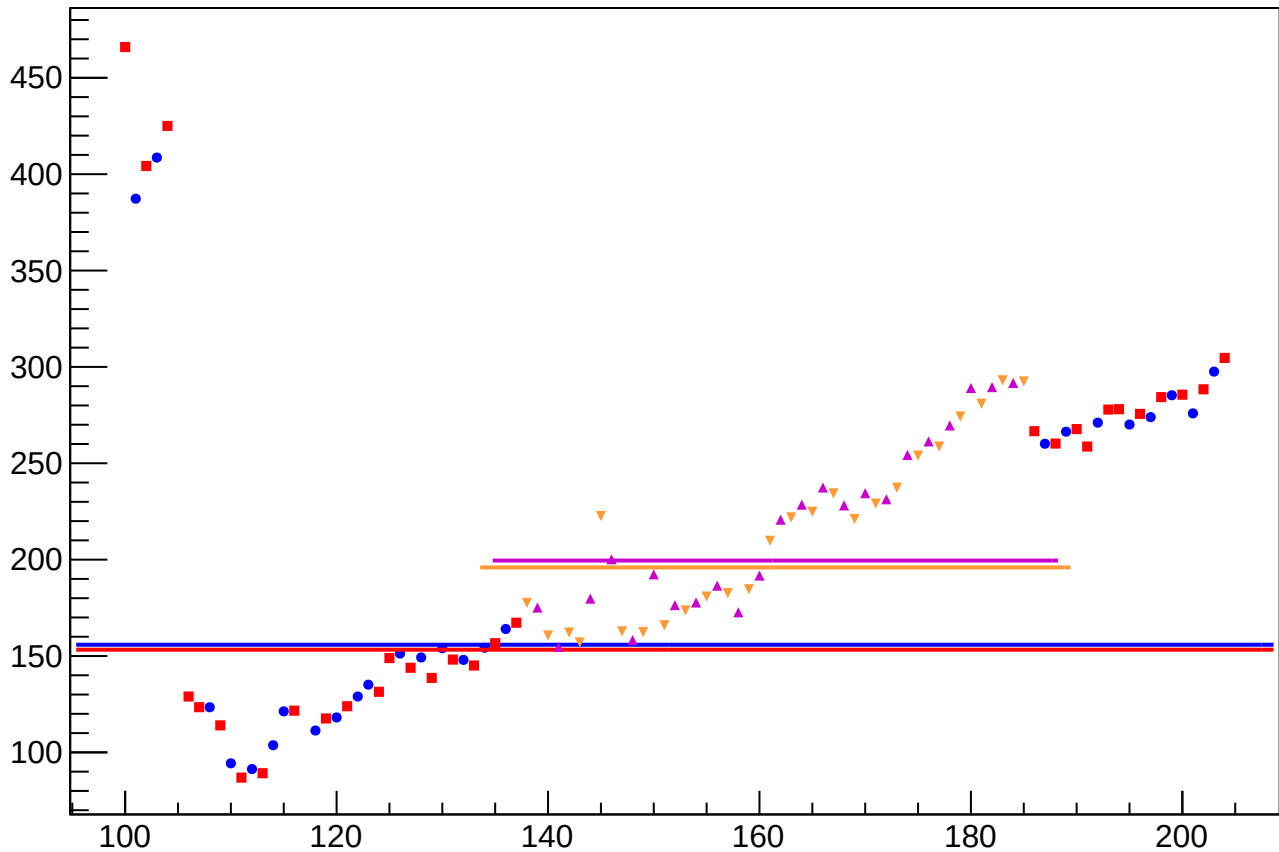
yield_bpm2i01WS_mean vs Slug



Right In: 135846.004 $\pm$ 0.050 χ^2 /NDF: 120435949476.2/24
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 136312.479 $\pm$ 0.045 χ^2 /NDF: 150855776987.3/29
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22

+ sign 132063.135 $\pm$ 0.034 χ^2 /NDF: 131760380460
 All: 132424.209 $\pm$ 0.024 χ^2 /NDF: 296311102
 - sign 132769.977 $\pm$ 0.033 χ^2 /NDF: 164329622721

yield_bpm2i01WS_rms vs Slug



Right In: 155.851 $\pm$ 0.035 χ^2 /NDF: 4044361.6/24

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 153.284 $\pm$ 0.032 χ^2 /NDF: 5039666.9/29

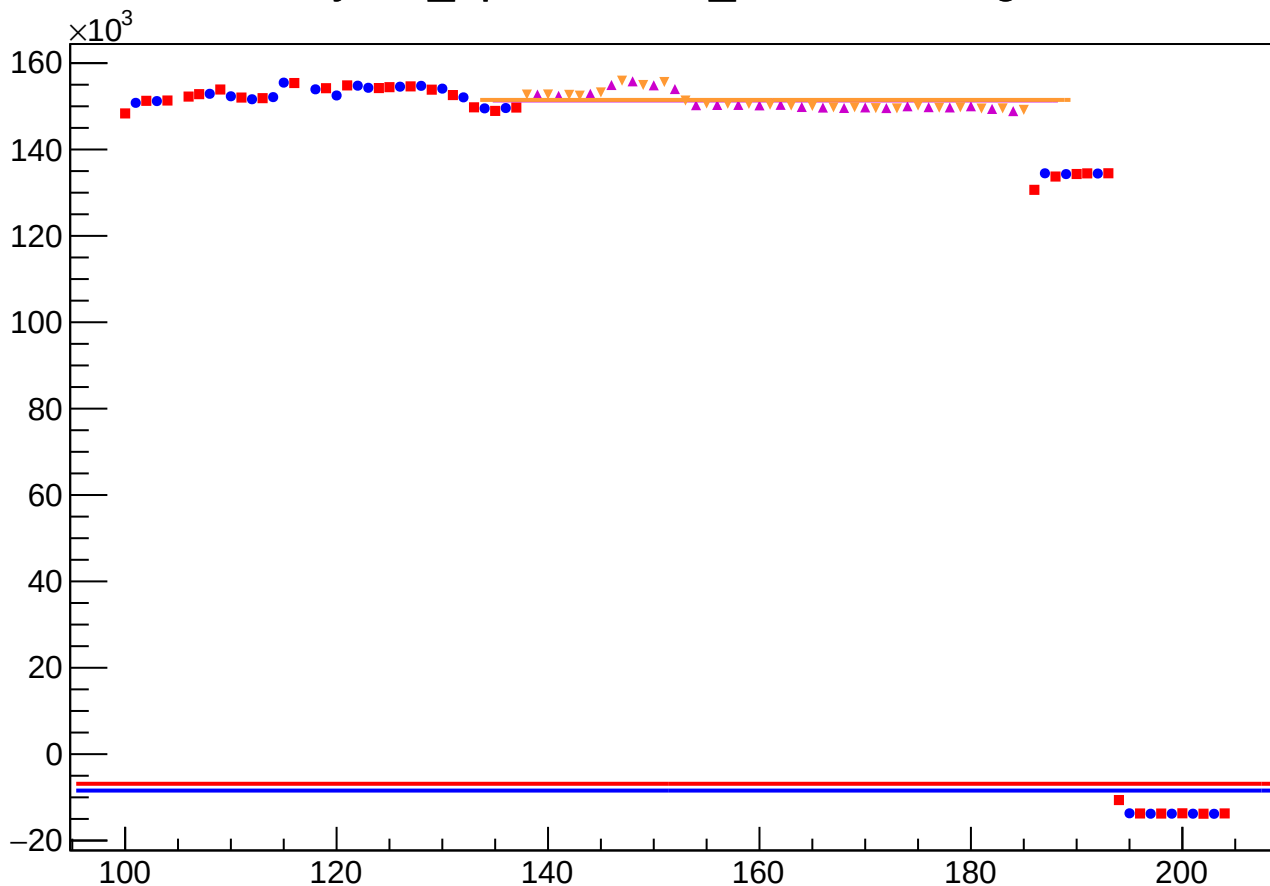
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 177.126 $\pm$ 0.024 χ^2 /NDF: 6054846.2/49

All: 175.898 $\pm$ 0.017 χ^2 /NDF: 13237278.2/10

- sign 174.721 $\pm$ 0.024 χ^2 /NDF: 7177310.7/52

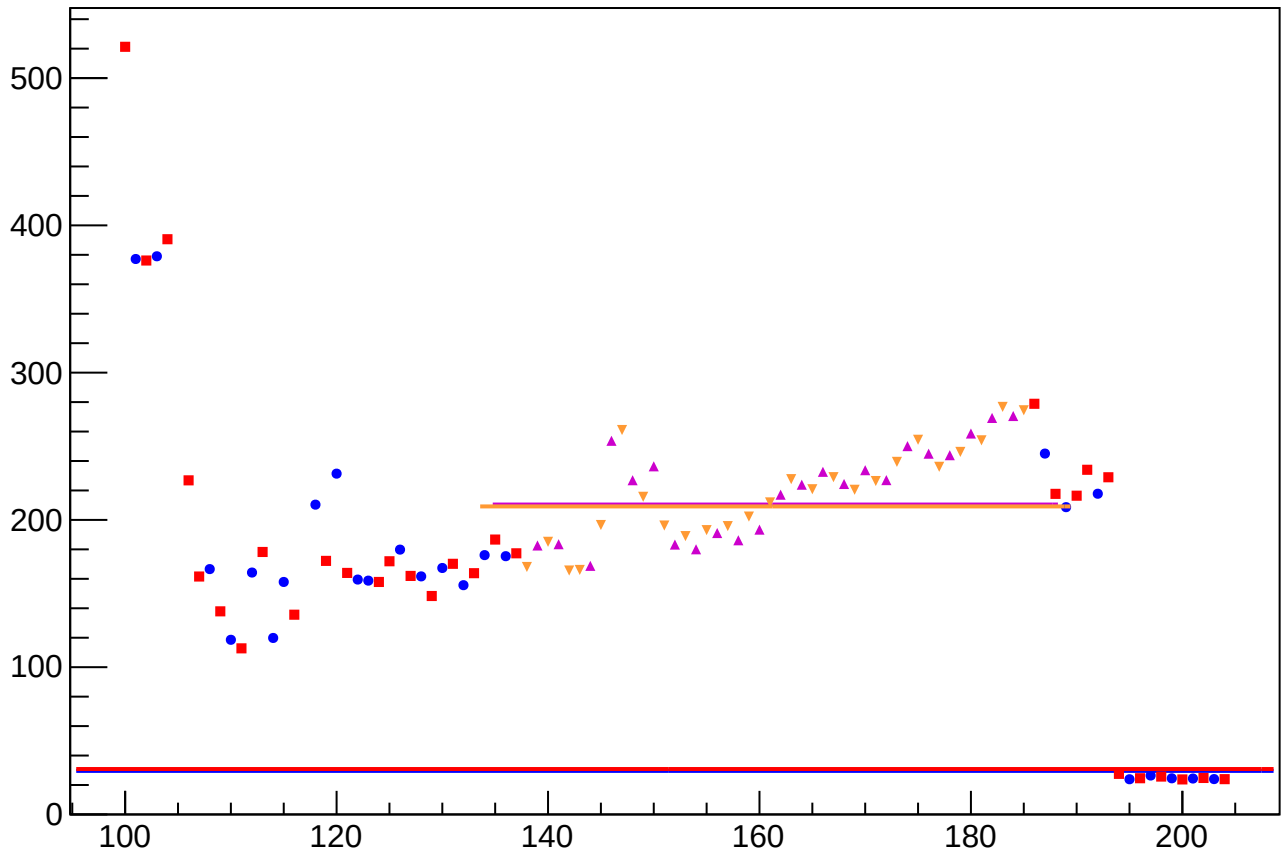
yield_bpm0i07WS_mean vs Slug



Right In: -8433.038 ± 0.012 $\chi^2/\text{NDF}: 5778815558680.6/24$
 Left Out: 151480.339 ± 0.049 $\chi^2/\text{NDF}: 1483692735.3/24$
 Right Out: -6859.244 ± 0.012 $\chi^2/\text{NDF}: 7073672048768.4/29$
 Left In: 151362.440 ± 0.051 $\chi^2/\text{NDF}: 1426782789.9/22$

+ sign 605.327 ± 0.012 $\chi^2/\text{NDF}: 15638211162694.$
 All: 1066.938 ± 0.008 $\chi^2/\text{NDF}: 31751487438$
 - sign 1531.251 ± 0.012 $\chi^2/\text{NDF}: 16110186487349$

yield_bpm0i07WS_rms vs Slug



Right In: 29.588 $\pm$ 0.009 χ^2 /NDF: 11244833.4/24

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 30.849 $\pm$ 0.009 χ^2 /NDF: 13302899.9/29

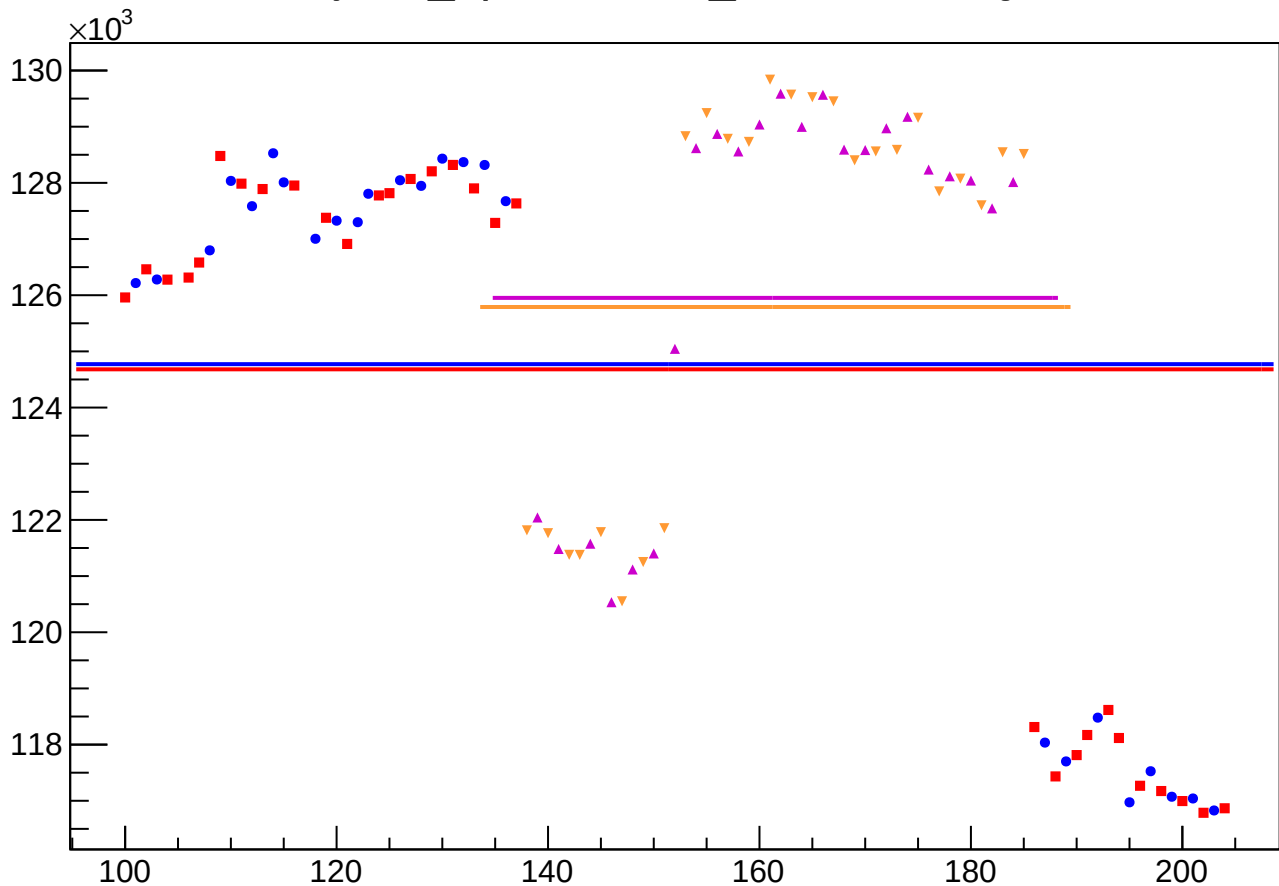
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 39.737 $\pm$ 0.008 χ^2 /NDF: 36814902.1/49

All: 40.054 $\pm$ 0.006 χ^2 /NDF: 74083119.9/102

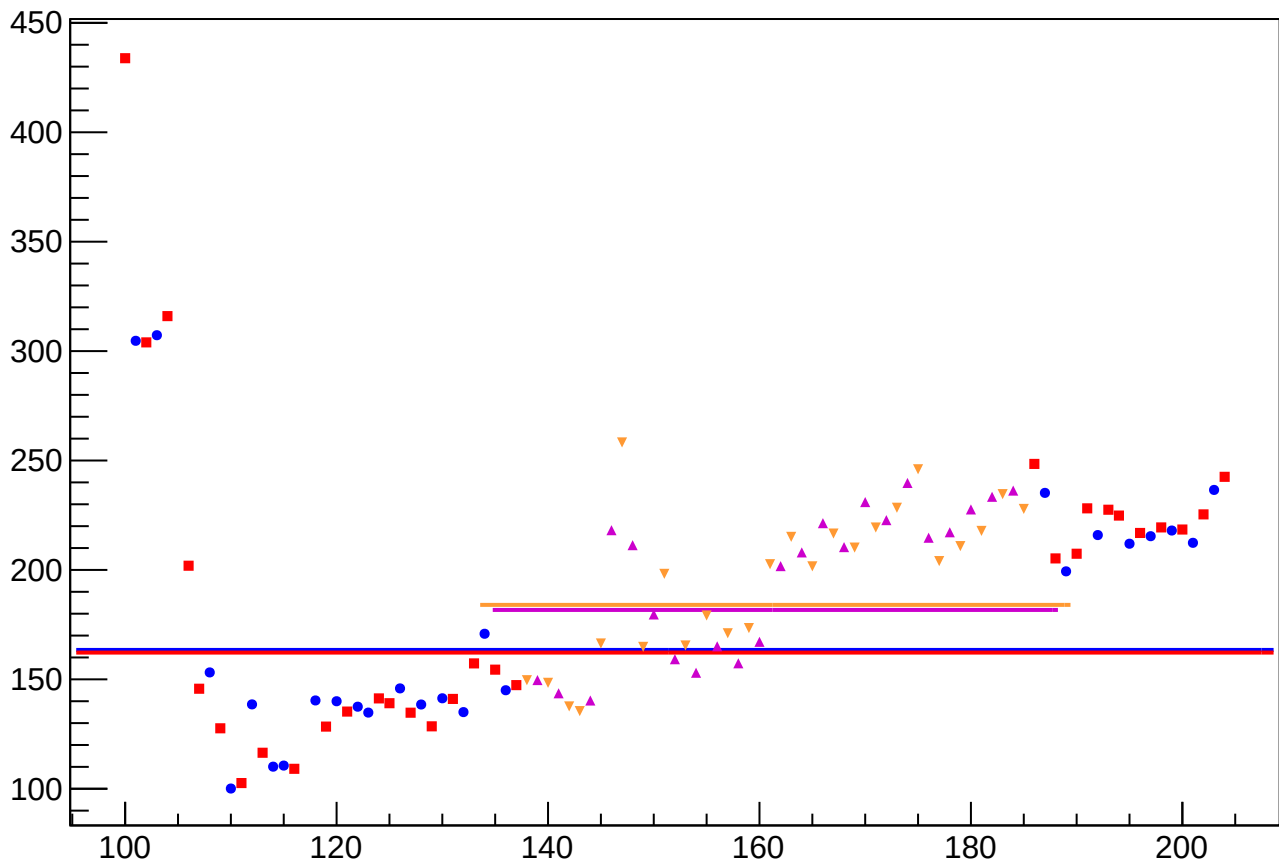
- sign 40.372 $\pm$ 0.008 χ^2 /NDF: 37265311.1/52

yield_bpm0l01WS_mean vs Slug



Right In: 124772.654 $\pm$ 0.049	χ^2 /NDF: 9034334239.8/24	+ sign 125340.270 $\pm$ 0.033	χ^2 /NDF: 16015486571.1
Left Out: 125790.126 $\pm$ 0.044	χ^2 /NDF: 6744310079.8/24	All: 125335.541 $\pm$ 0.023	χ^2 /NDF: 328601600.0
Right Out: 124680.580 $\pm$ 0.046	χ^2 /NDF: 10606638377.3/29	- sign 125331.066 $\pm$ 0.032	χ^2 /NDF: 16844633900.7
Left In: 125952.447 $\pm$ 0.045	χ^2 /NDF: 5841800367.5/22		

yield_bpm0l01WS_rms vs Slug



Right In: 163.441 $\pm$ 0.035 χ^2 /NDF: 1777697.1/24

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF: 1126592.5/24

Right Out: 162.228 $\pm$ 0.032 χ^2 /NDF: 2430250.4/29

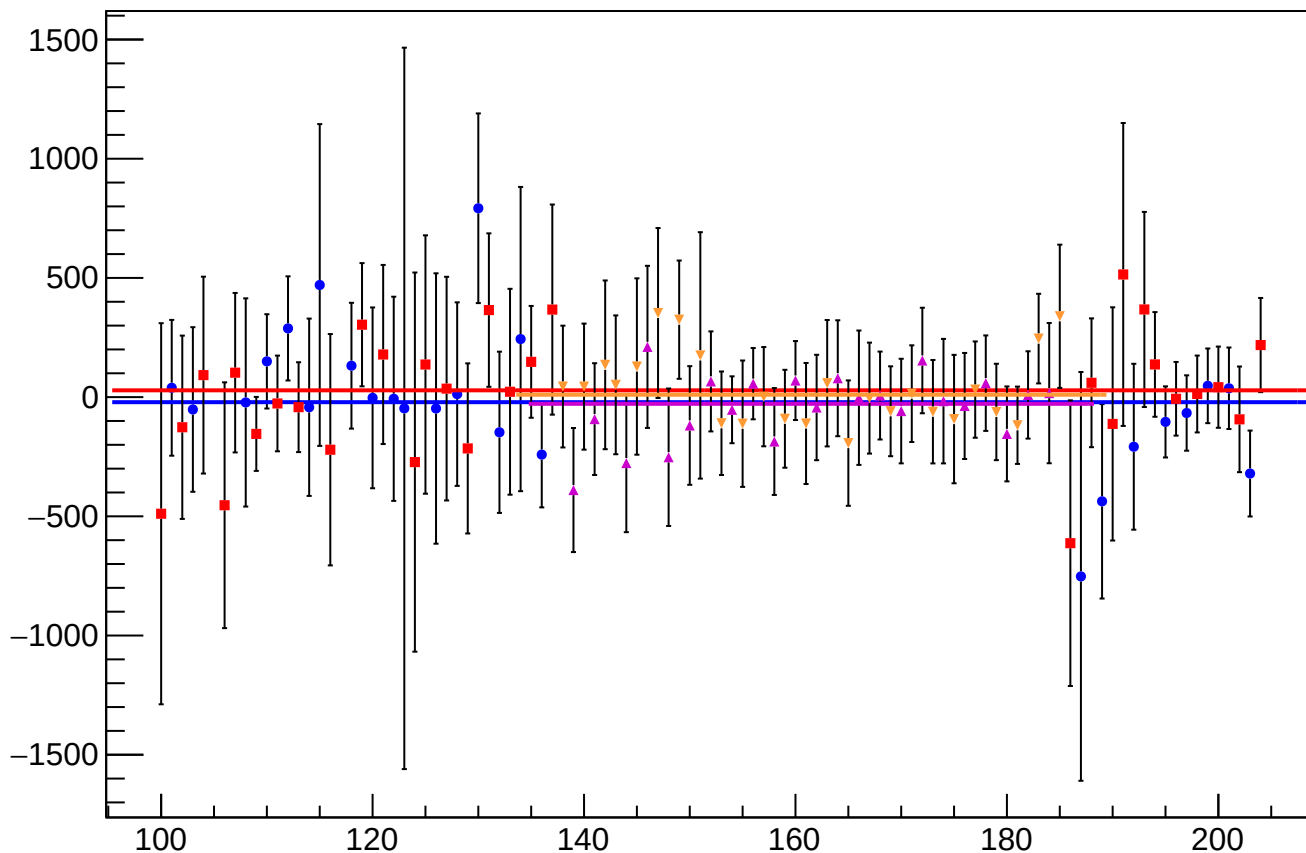
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 174.927 $\pm$ 0.023 χ^2 /NDF: 3098229.0/49

All: 173.523 $\pm$ 0.016 χ^2 /NDF: 6837734.5/102

- sign 172.194 $\pm$ 0.023 χ^2 /NDF: 3732387.3/52

asym_bcm_an_ds_mean vs Slug



Right In: -21.208 ± 52.463 χ^2/NDF : 14.7/24

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 28.514 ± 49.139 χ^2/NDF : 11.3/29

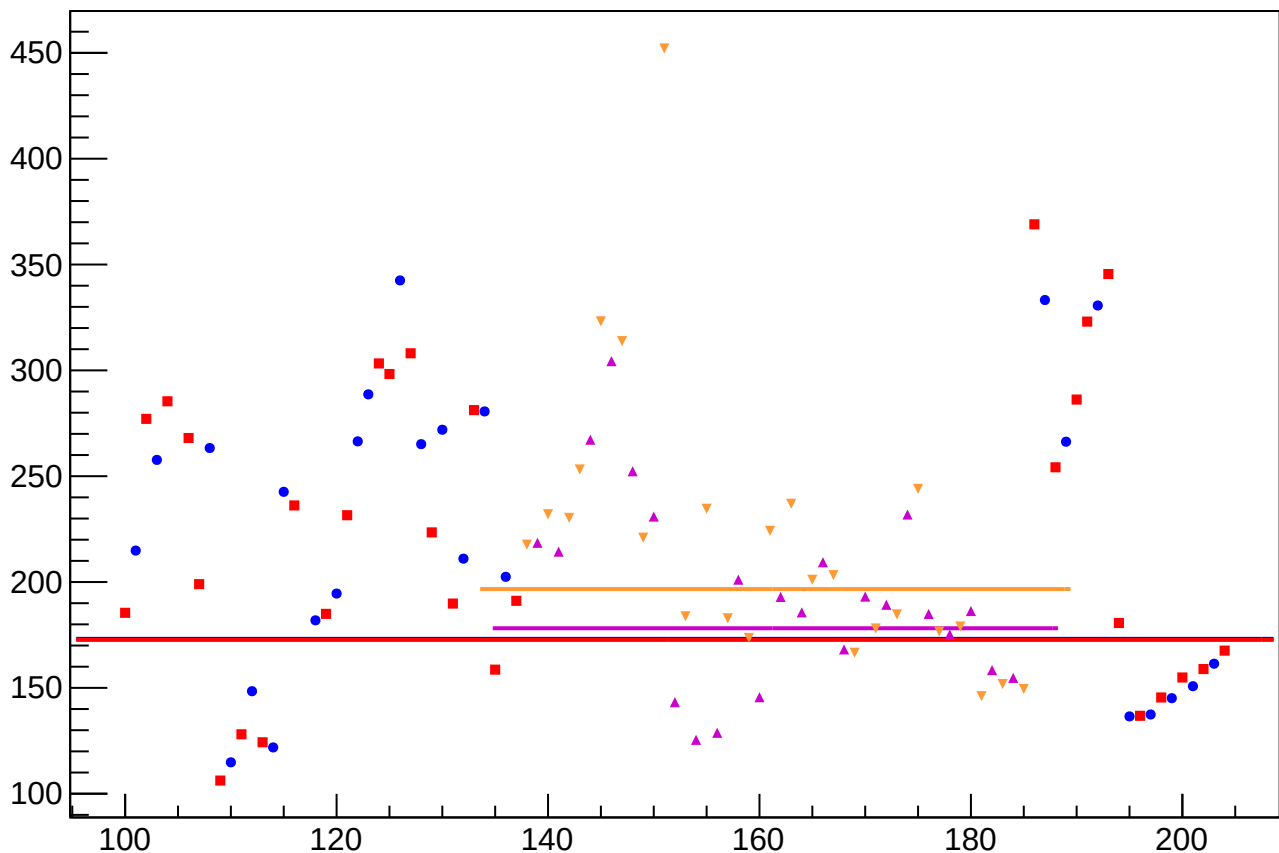
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -4.012 ± 35.207 χ^2/NDF : 23.3/49

All: -3.217 ± 24.082 χ^2/NDF : 42.4/102

- sign -2.517 ± 33.014 χ^2/NDF : 19.0/52

asym_bcm_an_ds_rms vs Slug



Right In: 173.156 $\pm$ 0.037 χ^2 /NDF: 2068387.2/24

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 172.667 $\pm$ 0.035 χ^2 /NDF: 2746481.5/29

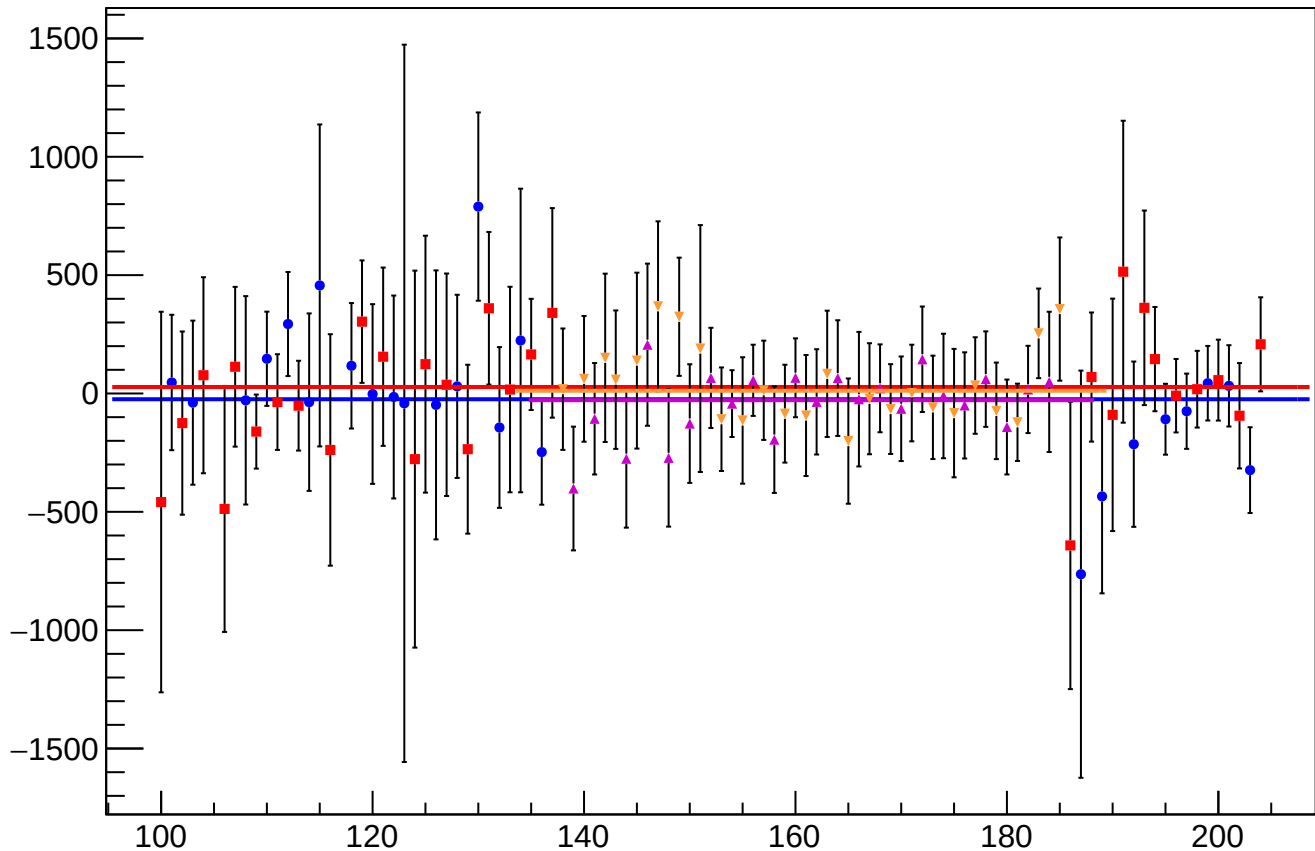
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 186.087 $\pm$ 0.025 χ^2 /NDF: 4072146.6/49

All: 180.551 $\pm$ 0.017 χ^2 /NDF: 8544254.5/102

- sign 175.684 $\pm$ 0.023 χ^2 /NDF: 4379187.0/52

asym_bcm_an_ds3_mean vs Slug



Right In: -24.304 ± 52.721 χ^2/NDF : 14.7/24

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 27.394 ± 49.392 χ^2/NDF : 11.5/29

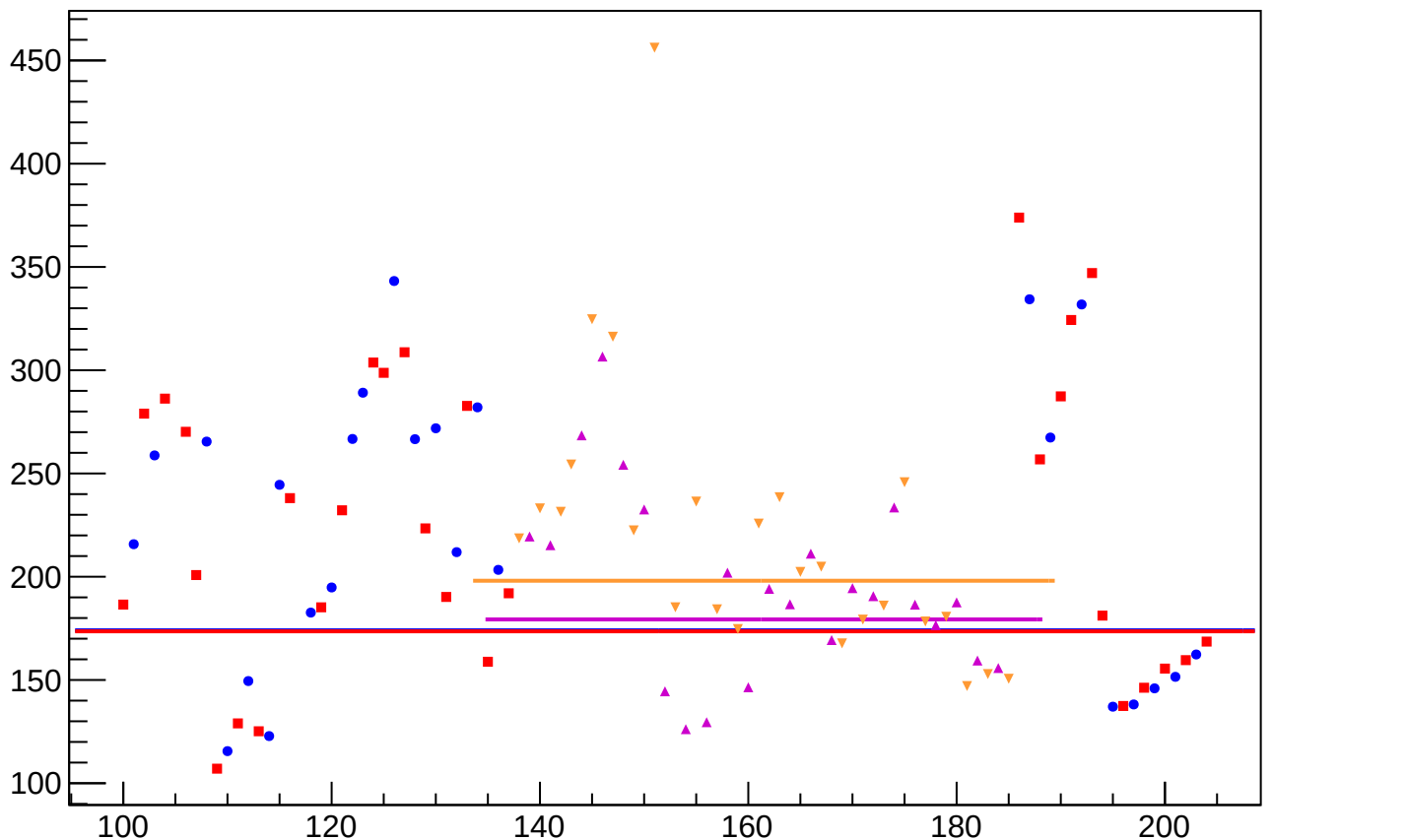
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign -4.672 ± 35.420 χ^2/NDF : 23.7/49

All: -3.842 ± 24.226 χ^2/NDF : 43.1/102

- sign -3.112 ± 33.209 χ^2/NDF : 19.3/52

asym_bcm_an_ds3_rms vs Slug



Right In: 174.045 $\pm$ 0.037 χ^2 /NDF: 2058784.3/24

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 173.572 $\pm$ 0.035 χ^2 /NDF: 2741095.5/29

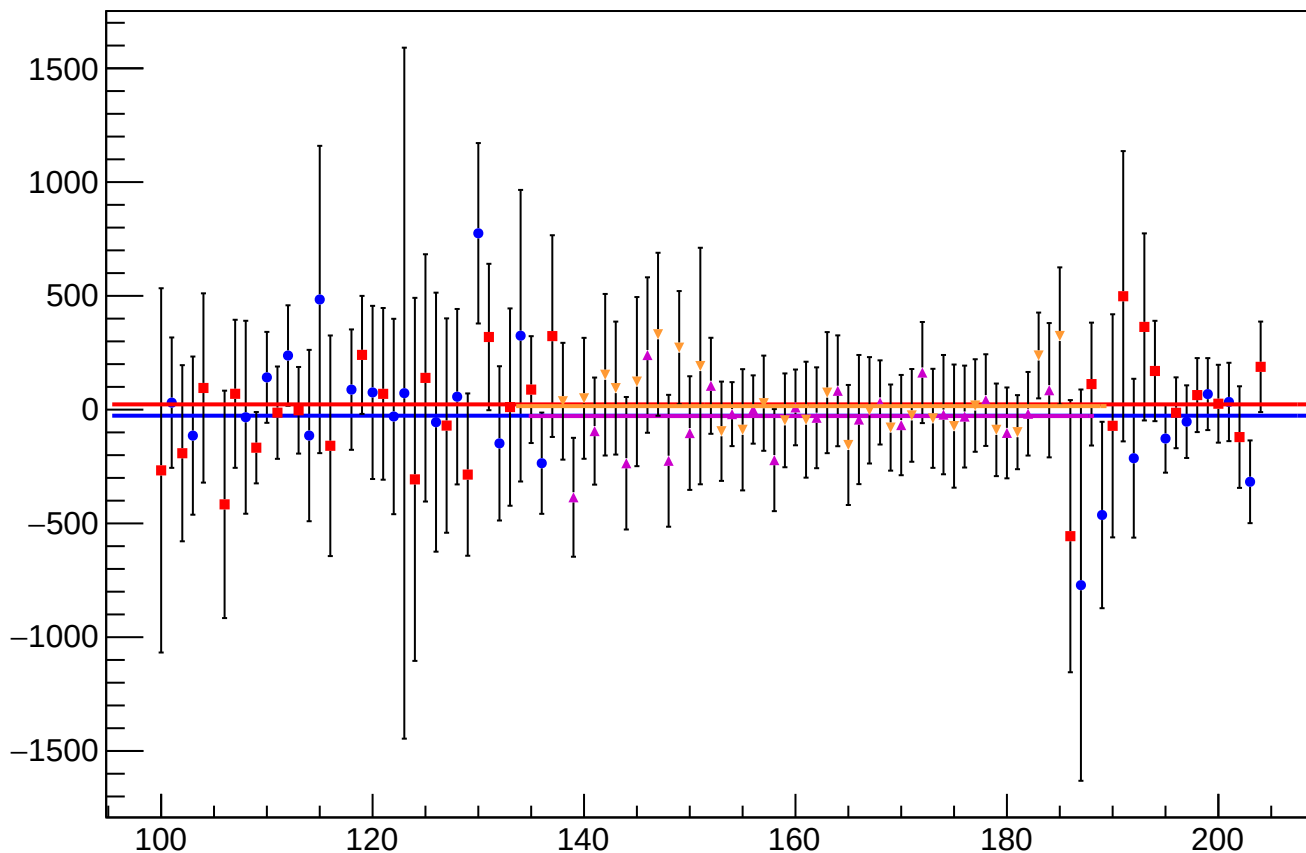
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 187.220 $\pm$ 0.025 χ^2 /NDF: 4064958.4/49

All: 181.634 $\pm$ 0.017 χ^2 /NDF: 8532650.9/102

- sign 176.724 $\pm$ 0.023 χ^2 /NDF: 4374221.7/52

asym_bcm_an_us_mean vs Slug



Right In: -26.589 ± 52.803 χ^2/NDF : 14.3/24

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 23.130 ± 49.389 χ^2/NDF : 10.0/29

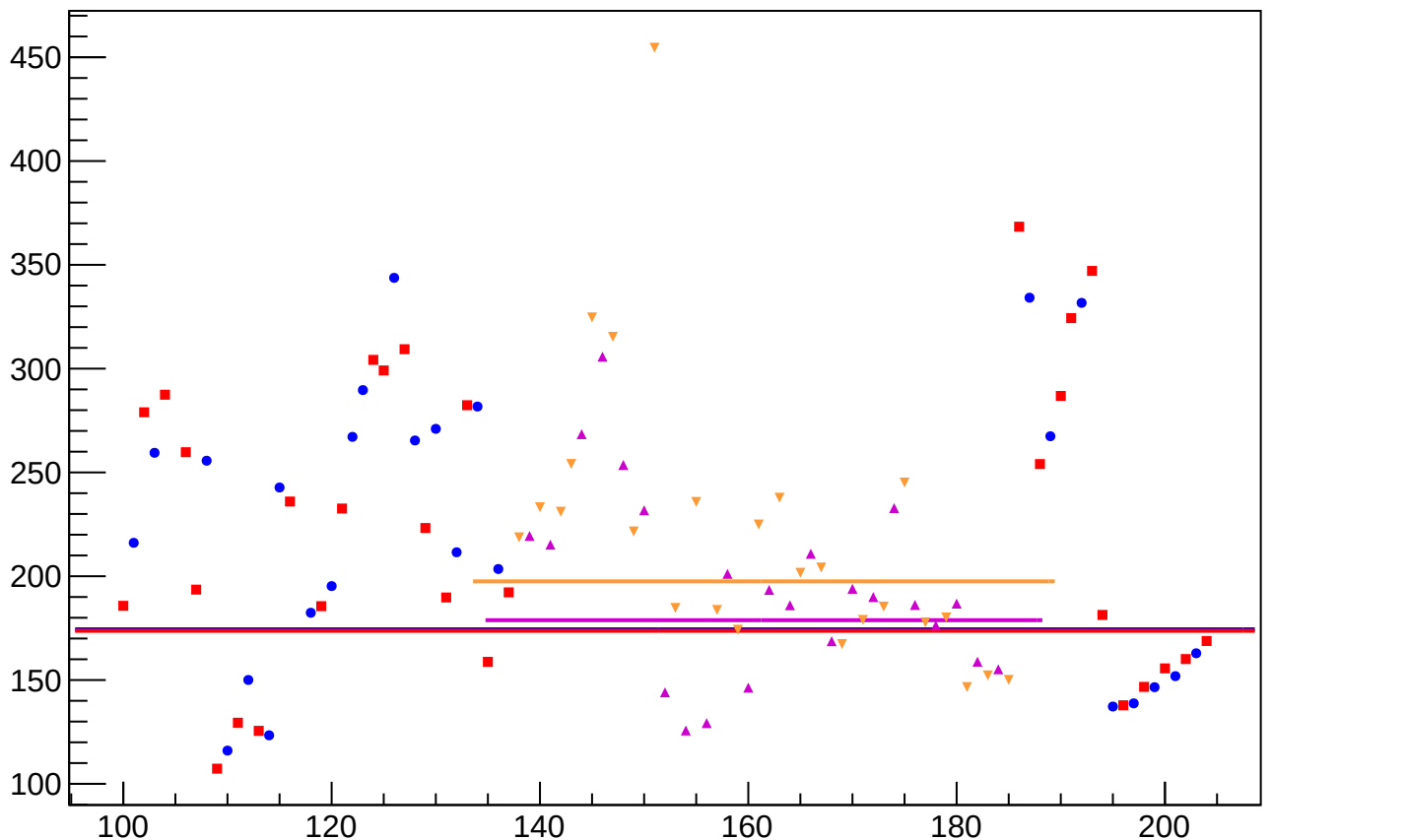
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign -3.445 ± 35.394 χ^2/NDF : 21.6/49

All: -4.329 ± 24.199 χ^2/NDF : 38.6/102

- sign -5.104 ± 33.159 χ^2/NDF : 17.0/52

asym_bcm_an_us_rms vs Slug



Right In: 174.438 $\pm$ 0.037 χ^2 /NDF: 2027530.0/24

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 173.711 $\pm$ 0.035 χ^2 /NDF: 2696891.6/29

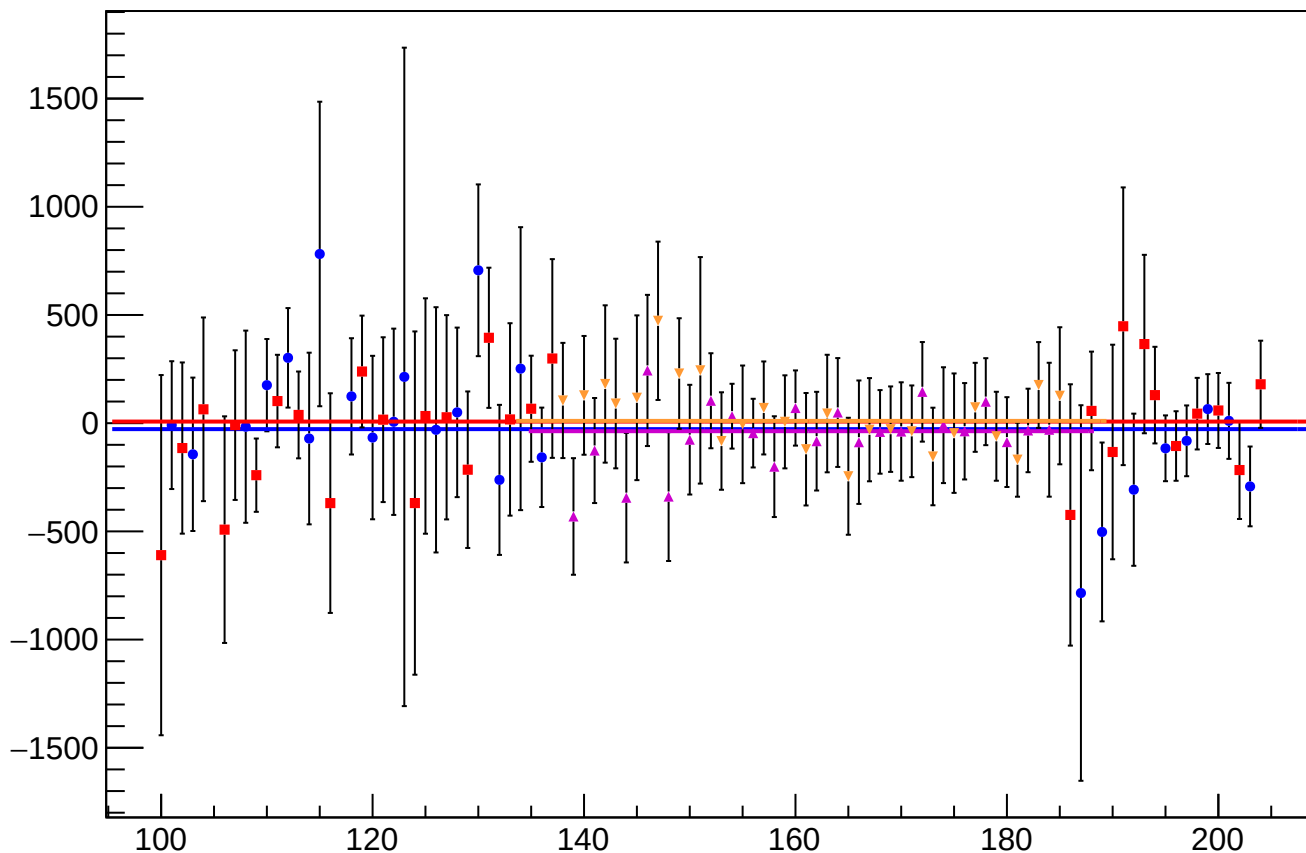
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 187.153 $\pm$ 0.025 χ^2 /NDF: 4022350.8/49

All: 181.493 $\pm$ 0.017 χ^2 /NDF: 8449374.6/102

- sign 176.525 $\pm$ 0.023 χ^2 /NDF: 4330987.2/52

asym_bcm_dg_us_mean vs Slug



Right In: -27.480 ± 54.054 χ^2/NDF : 14.8/24

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 7.451 ± 50.822 χ^2/NDF : 12.3/29

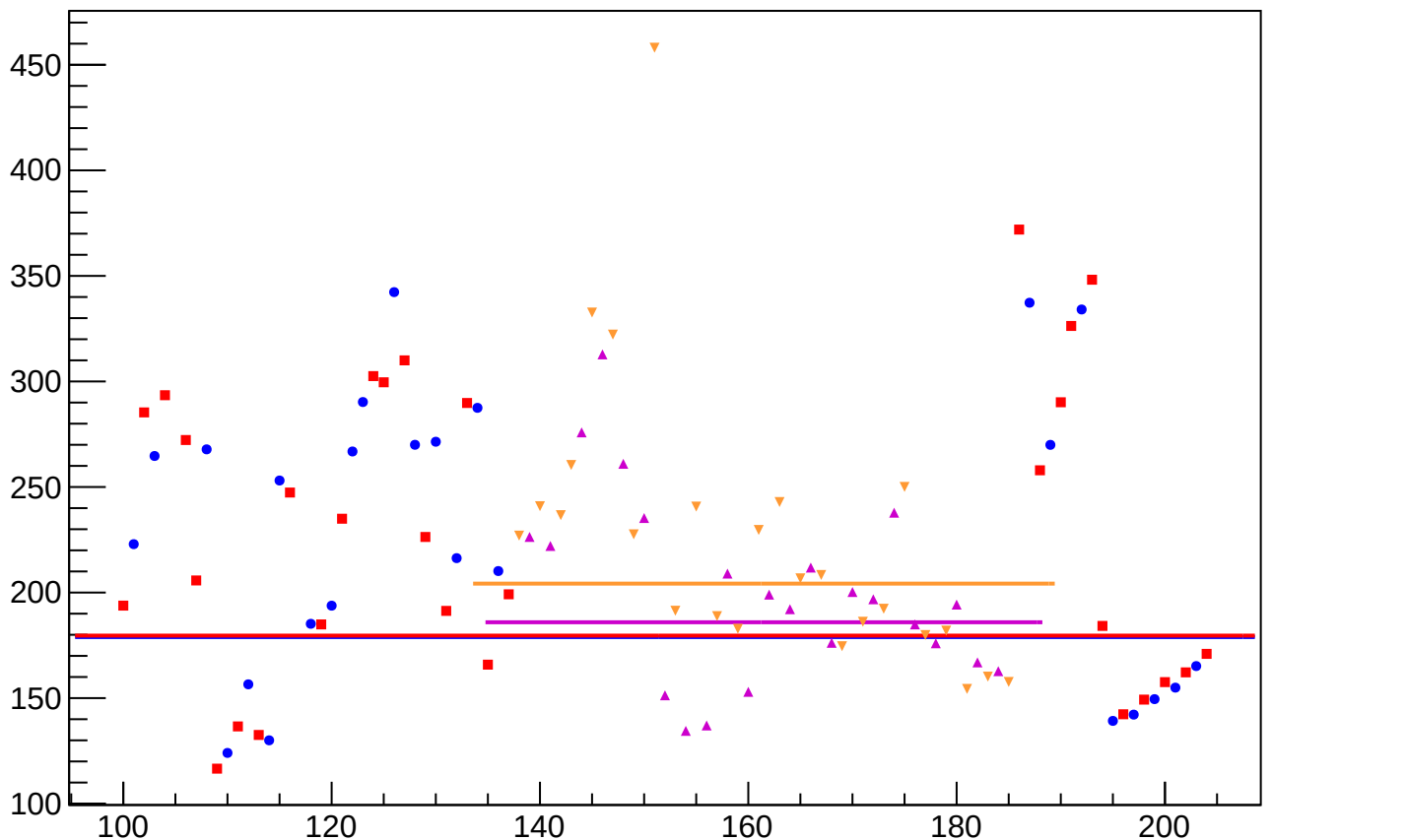
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -6.689 ± 36.383 χ^2/NDF : 22.5/49

All: -12.056 ± 24.938 χ^2/NDF : 43.1/102

- sign -16.812 ± 34.249 χ^2/NDF : 20.6/52

asym_bcm_dg_us_rms vs Slug



Right In: 178.935 $\pm$ 0.038 χ^2 /NDF: 1948273.2/24

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 179.603 $\pm$ 0.036 χ^2 /NDF: 2503015.5/29

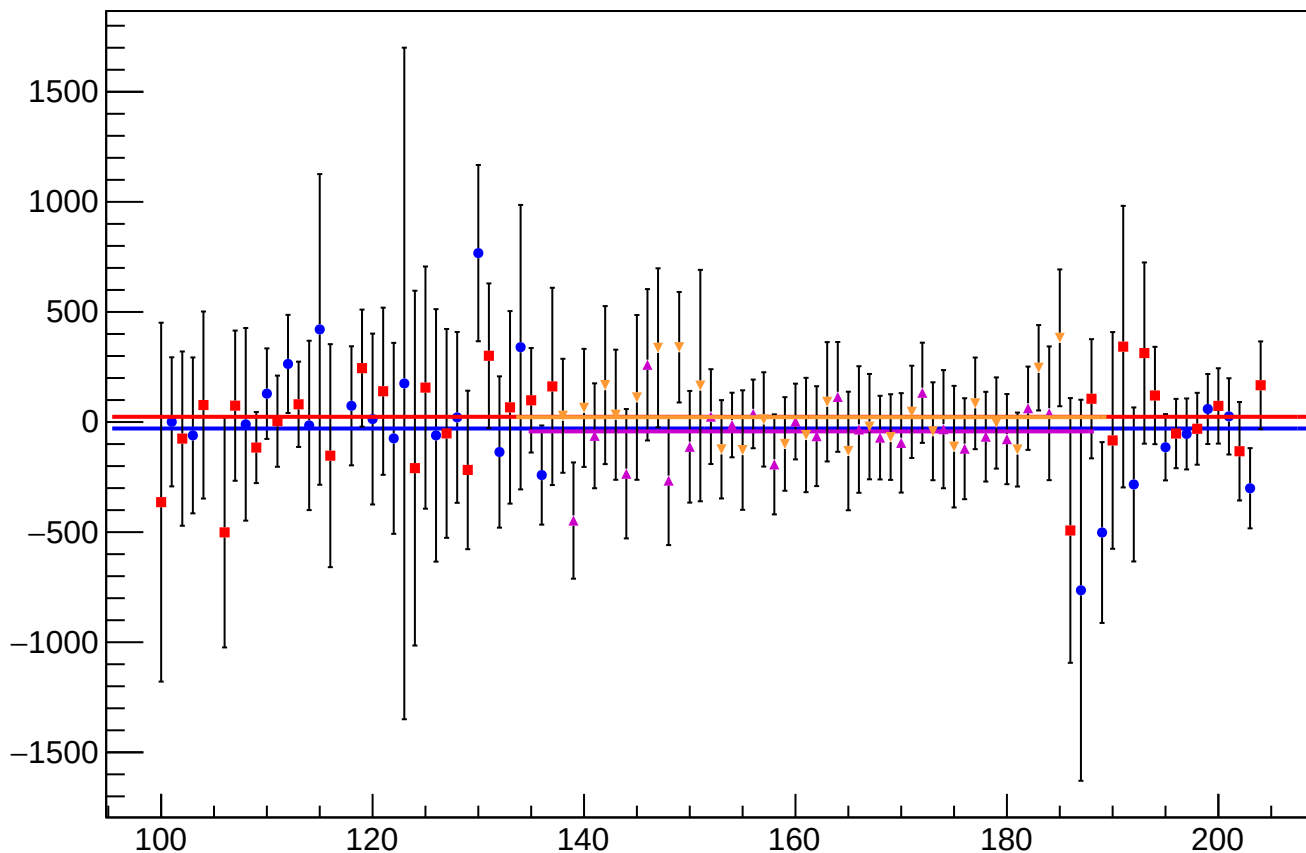
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 192.773 $\pm$ 0.026 χ^2 /NDF: 3863596.8/49

All: 187.622 $\pm$ 0.018 χ^2 /NDF: 7919213.1/102

- sign 183.057 $\pm$ 0.024 χ^2 /NDF: 3980006.4/52

asym_bcm_dg_ds_mean vs Slug



Right In: -29.285 ± 53.372 χ^2/NDF : 13.8/24

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 23.814 ± 50.000 χ^2/NDF : 7.9/29

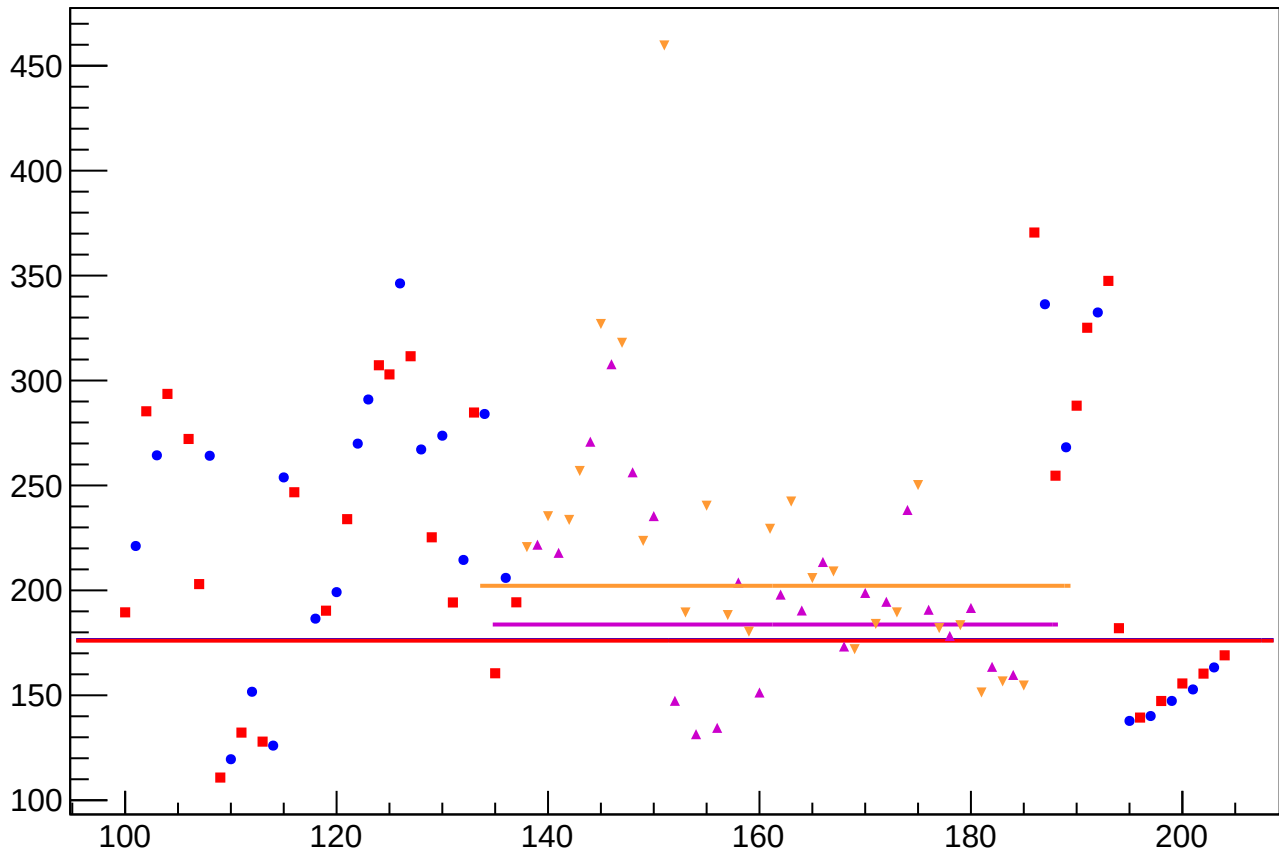
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -1.217 ± 35.990 χ^2/NDF : 22.6/49

All: -7.038 ± 24.637 χ^2/NDF : 38.3/102

- sign -12.172 ± 33.797 χ^2/NDF : 15.6/52

asym_bcm_dg_ds_rms vs Slug



Right In: 176.347 $\pm$ 0.038 χ^2 /NDF: 2031564.5/24

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF:1696571.9/24

Right Out: 176.048 $\pm$ 0.035 χ^2 /NDF: 2669991.6/29

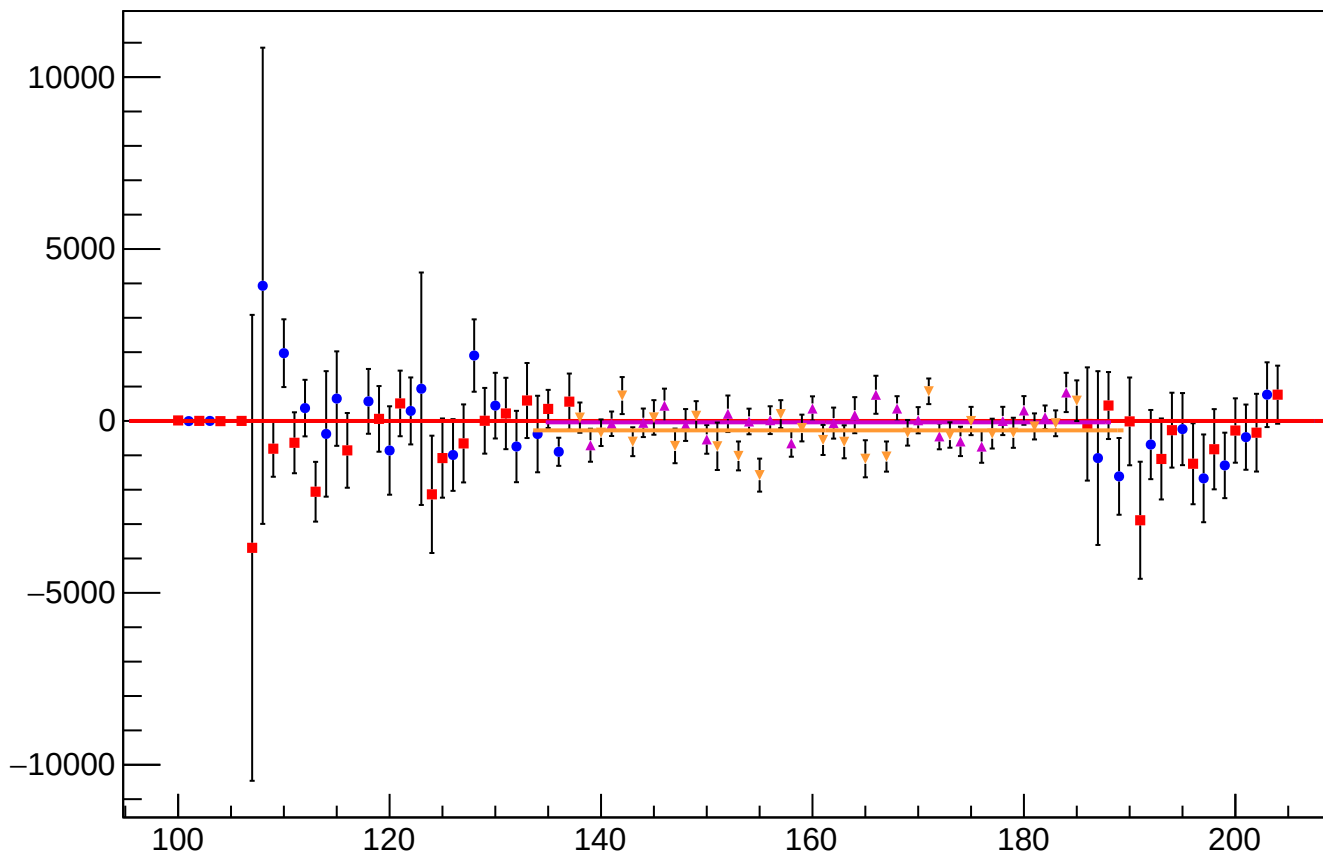
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF:1495930.4/22

+ sign 190.437 $\pm$ 0.025 χ^2 /NDF: 3983744.8/49

All: 185.008 $\pm$ 0.017 χ^2 /NDF: 8260950.9/102

- sign 180.221 $\pm$ 0.024 χ^2 /NDF: 4191578.4/52

asym_cav4bQ_mean vs Slug



Right In: -1.551 ± 2.251 χ^2/NDF : 24.1/24

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.742 ± 2.111 χ^2/NDF : 24.9/29

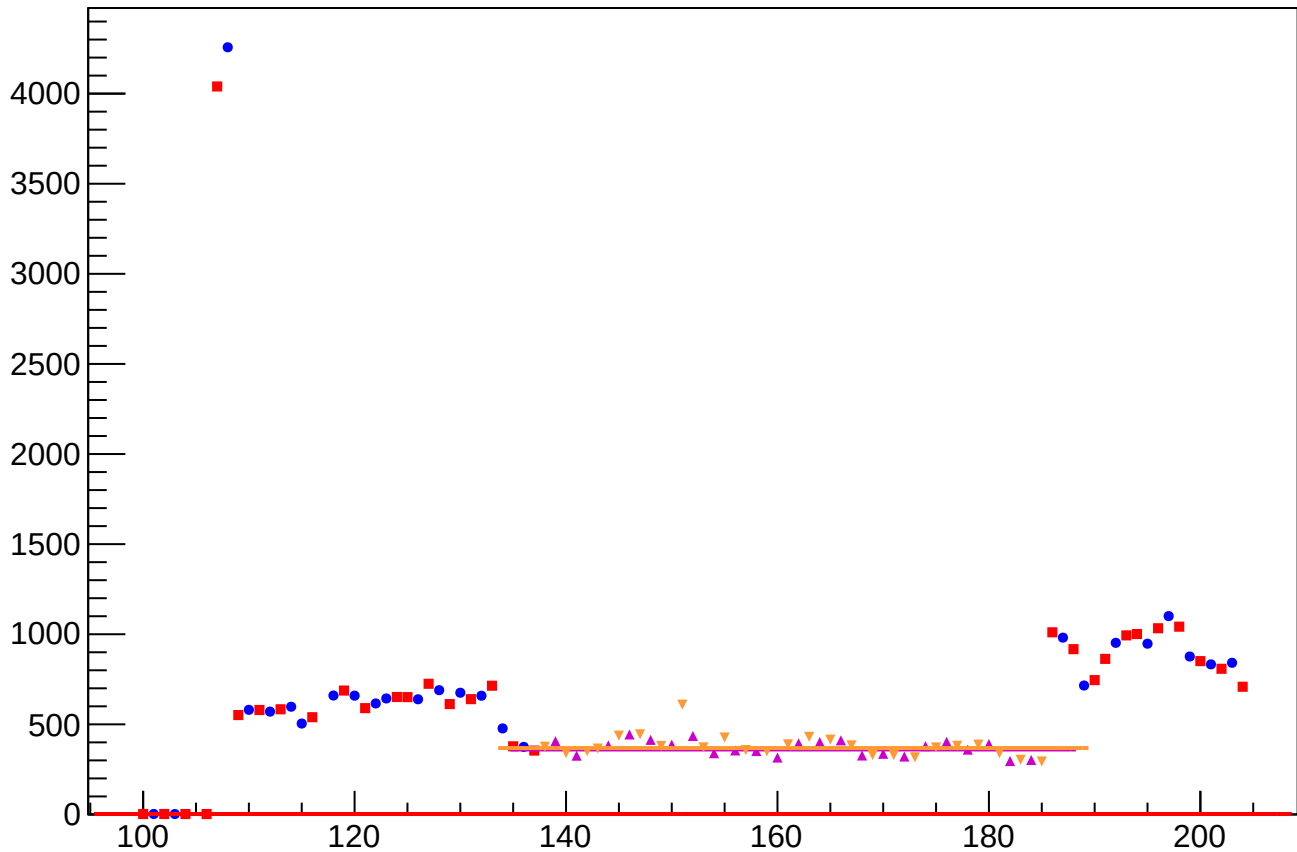
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.734 ± 2.251 χ^2/NDF : 72.3/49

All: -1.219 ± 1.540 χ^2/NDF : 117.6/102

- sign -0.765 ± 2.110 χ^2/NDF : 45.2/52

asym_cav4bQ_rms vs Slug



Right In: 2.486+/-0.002 χ^2/NDF : 21476497.6/24

Left Out: 368.500+/-0.061 χ^2/NDF : 623011.6/24

Right Out: 2.471+/-0.001 χ^2/NDF : 25073263.2/29

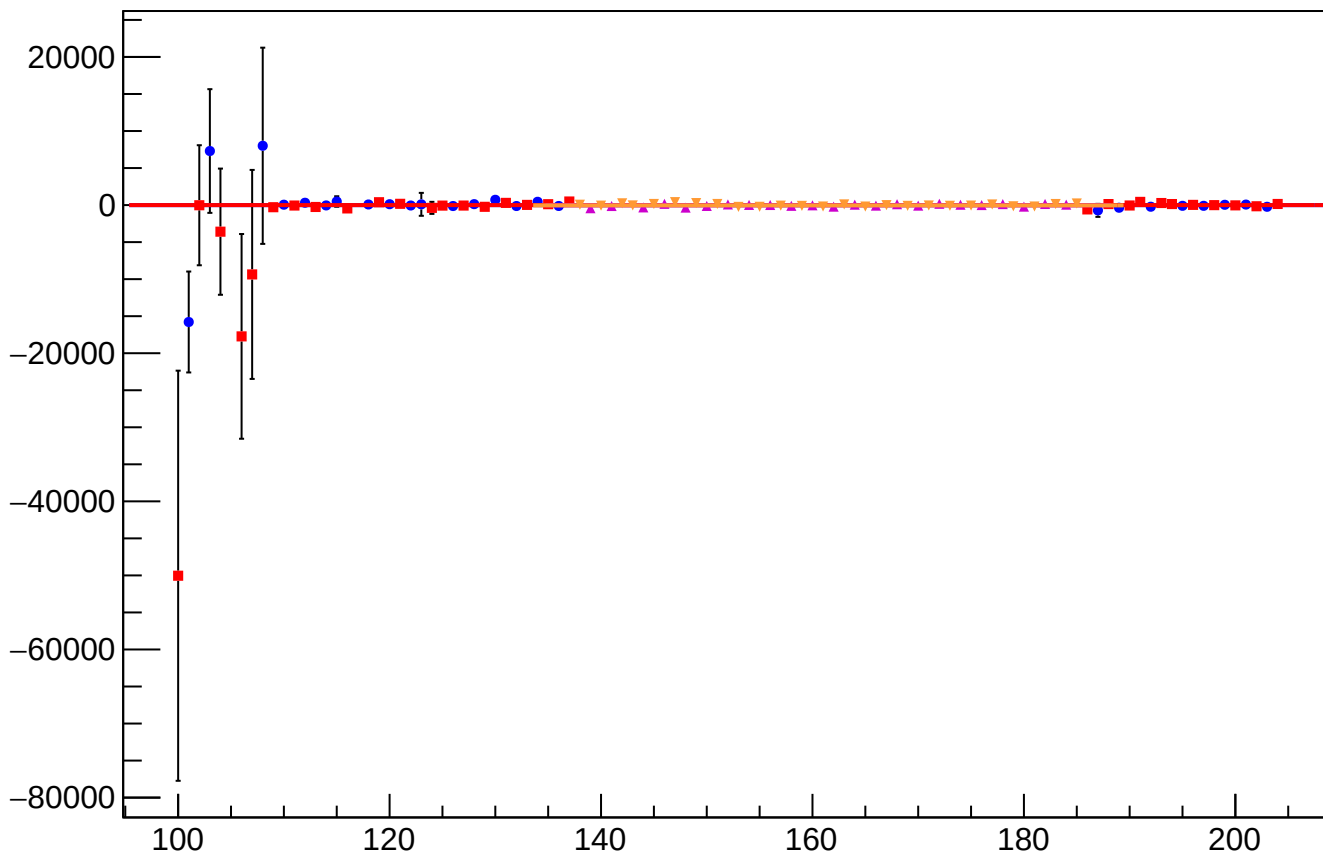
Left In: 360.571+/-0.062 χ^2/NDF : 421995.5/22

+ sign 2.732+/-0.002 χ^2/NDF : 57580875.3/49

All: 2.704+/-0.001 χ^2/NDF : 116578571.5/102

- sign 2.679+/-0.001 χ^2/NDF : 58997113.5/52

asym_cav4cQ_mean vs Slug



Right In: -7.310 ± 58.910 χ^2/NDF : 17.1/24

Left Out: -39.036 ± 49.576 χ^2/NDF : 9.1/24

Right Out: -1.292 ± 56.013 χ^2/NDF : 17.7/29

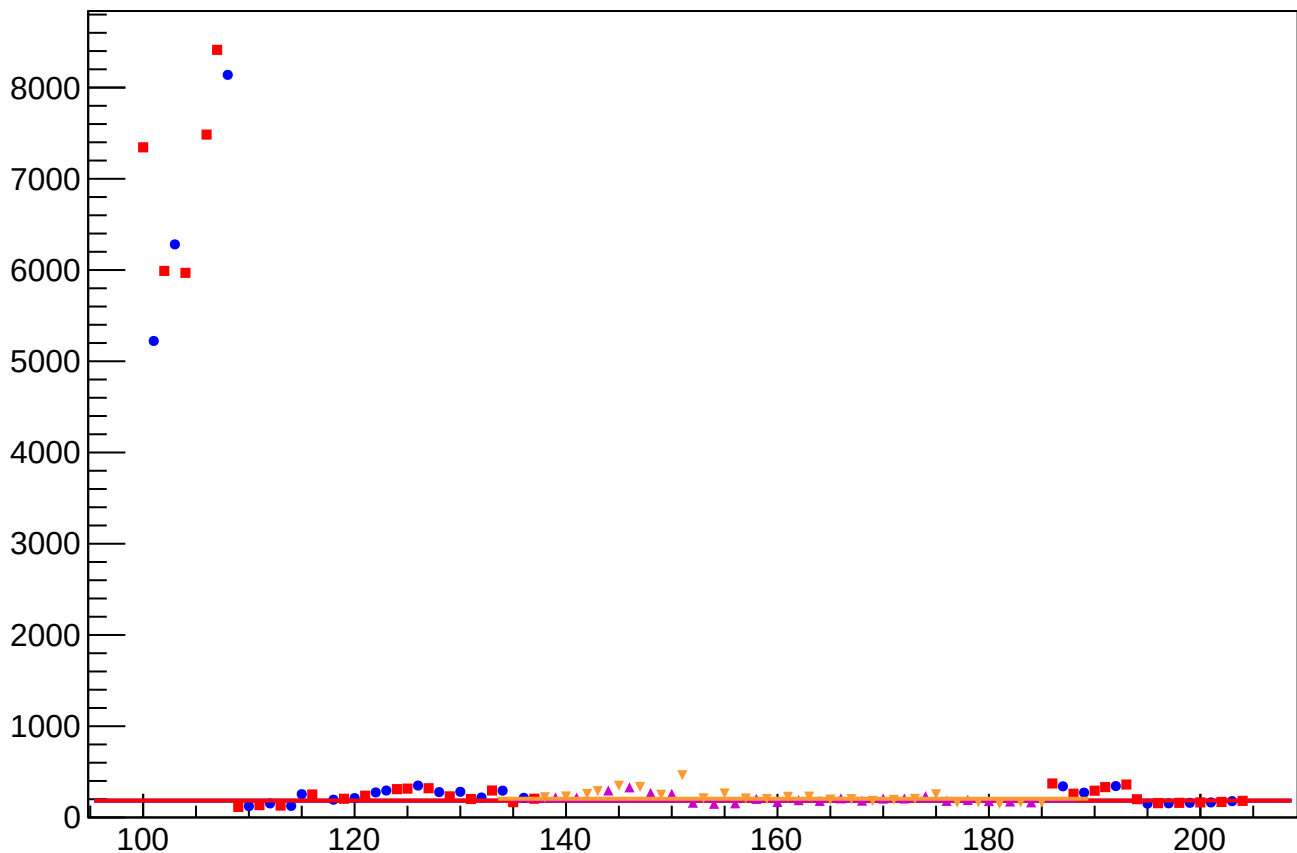
Left In: -28.062 ± 48.032 χ^2/NDF : 9.6/22

+ sign -25.883 ± 37.932 χ^2/NDF : 26.4/49

All: -21.119 ± 26.287 χ^2/NDF : 53.9/102

- sign -16.718 ± 36.462 χ^2/NDF : 27.5/52

asym_cav4cQ_rms vs Slug



Right In: 183.820+/-0.042 χ^2/NDF : 4481416.4/24

Left Out: 205.114+/-0.035 χ^2/NDF :1957484.4/24

Right Out: 185.336+/-0.040 χ^2/NDF : 5330820.6/29

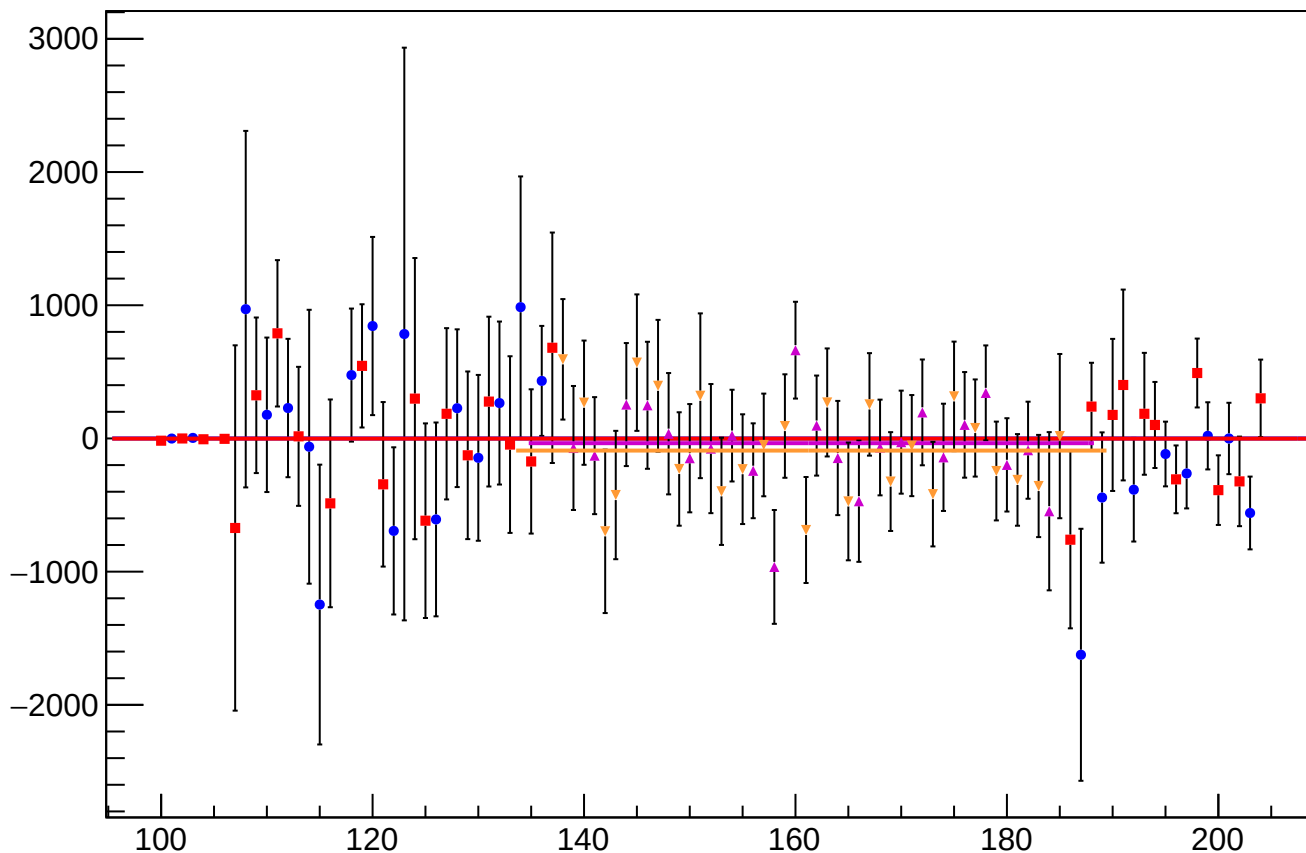
Left In: 193.616+/-0.034 χ^2/NDF :1179471.1/22

+ sign 196.286+/-0.027 χ^2/NDF : 6591865.6/49

All: 193.075+/-0.019 χ^2/NDF : 13154916.6/10

- sign 190.108+/-0.026 χ^2/NDF : 6535474.7/52

asym_cav4dQ_mean vs Slug



Right In: -0.199 ± 1.736 χ^2/NDF : 20.3/24

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.319 ± 1.622 χ^2/NDF : 21.0/29

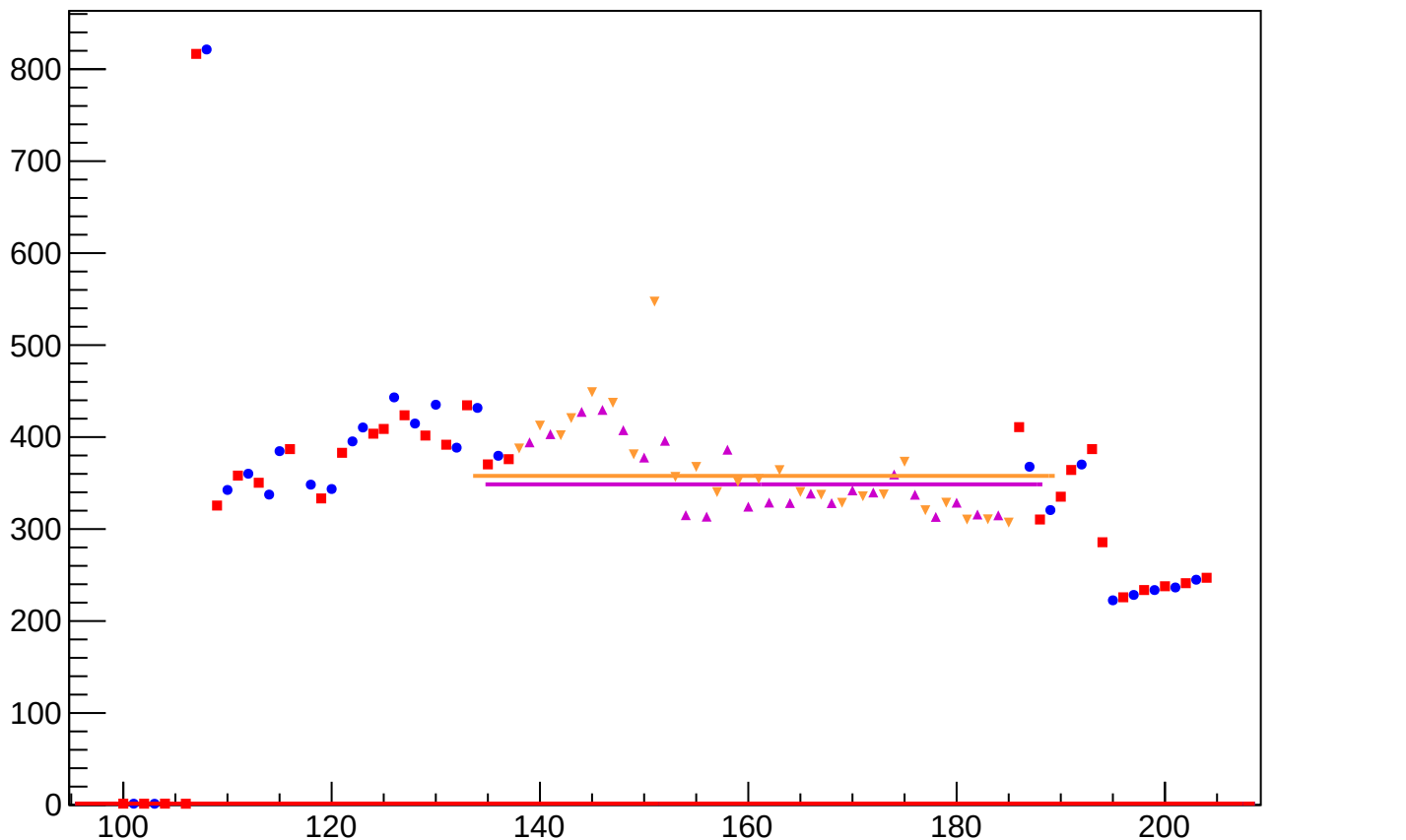
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.237 ± 1.736 χ^2/NDF : 37.9/49

All: -0.822 ± 1.185 χ^2/NDF : 72.7/102

- sign -1.332 ± 1.622 χ^2/NDF : 34.6/52

asym_cav4dQ_rms vs Slug



Right In: 1.517 ± 0.001 χ^2/NDF : 21692395.5/24

Left Out: 357.804 ± 0.059 χ^2/NDF : 547036.5/24

Right Out: 1.518 ± 0.001 χ^2/NDF : 24760366.3/29

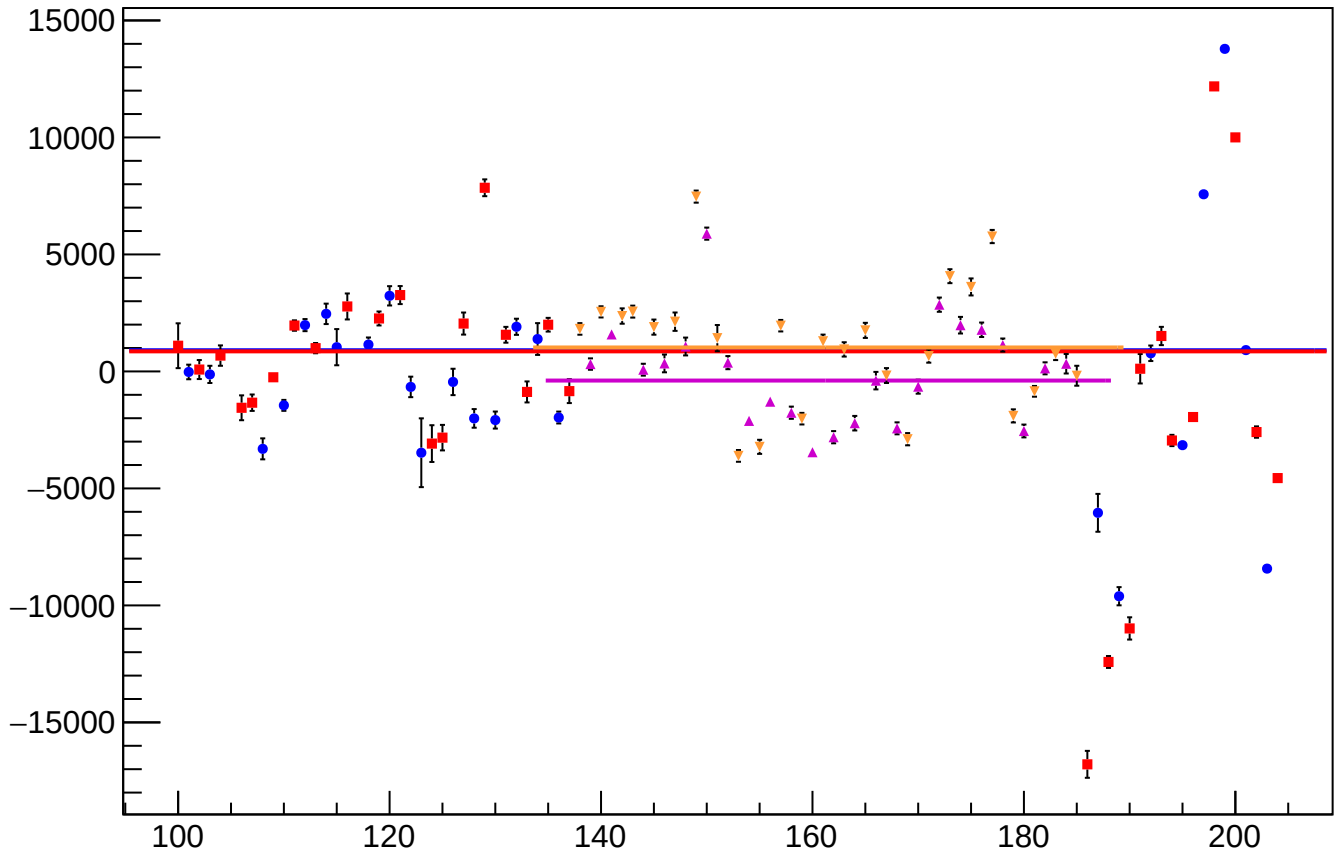
Left In: 348.611 ± 0.060 χ^2/NDF : 362511.2/22

+ sign 1.668 ± 0.001 χ^2/NDF : 58137887.5/49

All: 1.657 ± 0.001 χ^2/NDF : 117087508.3/102

- sign 1.646 ± 0.001 χ^2/NDF : 58949446.9/52

asym_bcm0l02_mean vs Slug



Right In: 905.518 $\pm$ 58.407 χ^2 /NDF: 10777.7/24

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF: 2309.4/24

Right Out: 857.455 $\pm$ 54.186 χ^2 /NDF: 12630.4/29

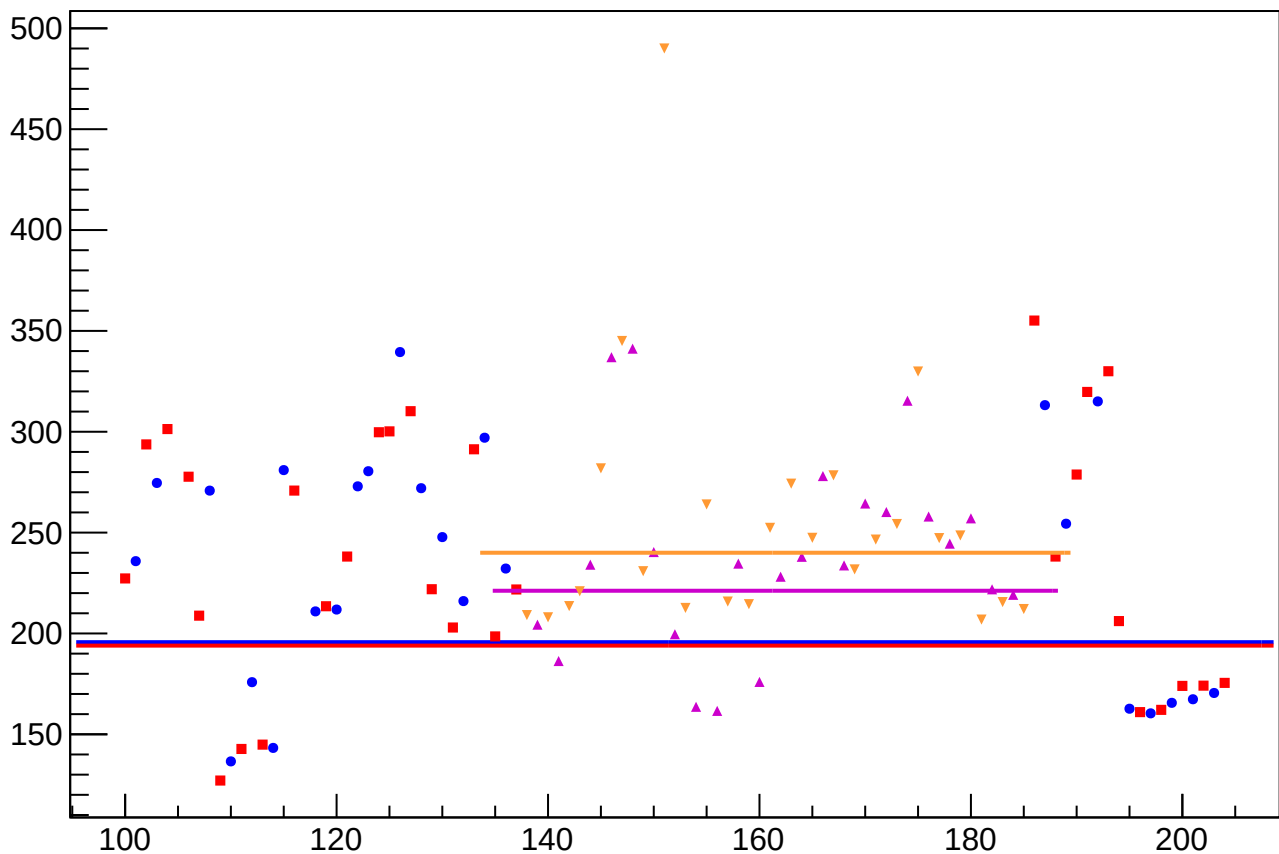
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF: 1584.9/22

+ sign 965.568 $\pm$ 40.917 χ^2 /NDF: 13089.2/49

All: 582.562 $\pm$ 28.069 χ^2 /NDF: 27731.5/102

- sign 242.124 $\pm$ 38.576 χ^2 /NDF: 14476.8/52

asym_bcm0l02_rms vs Slug



Right In: 195.677 $\pm$ 0.041 χ^2 /NDF: 1413725.6/24

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 193.972 $\pm$ 0.038 χ^2 /NDF: 1978858.5/29

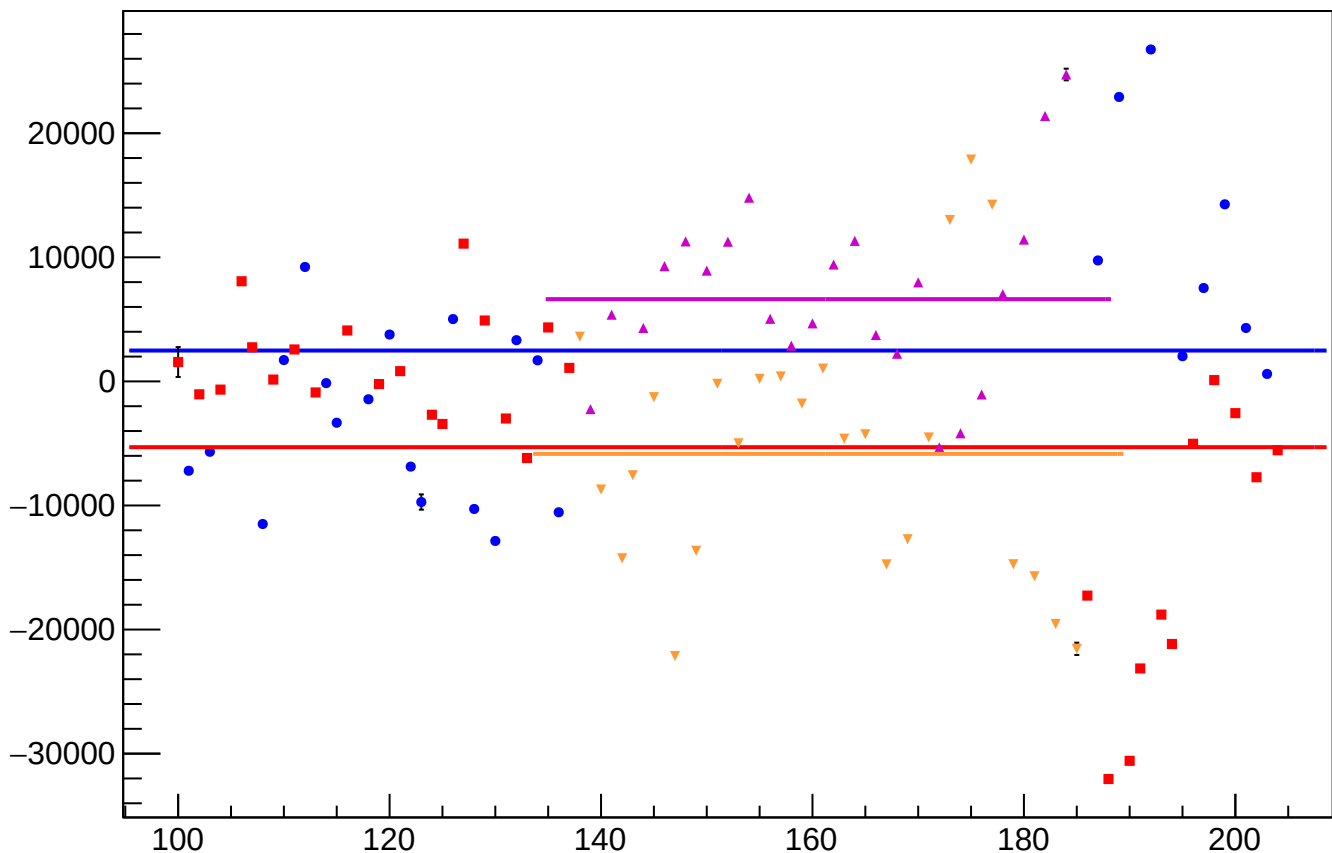
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 218.258 $\pm$ 0.029 χ^2 /NDF: 3003166.5/49

All: 212.502 $\pm$ 0.020 χ^2 /NDF: 6647833.1/102

- sign 207.387 $\pm$ 0.027 χ^2 /NDF: 3569924.8/52

asym_bpm2i01WS_mean vs Slug



Right In: 2486.213 $\pm$ 38.144 χ^2 /NDF: 77374.1/24

Left Out: -5841.615 $\pm$ 35.848 χ^2 /NDF: 63397.3/24

Right Out: -5301.523 $\pm$ 35.149 χ^2 /NDF: 101429.3/29

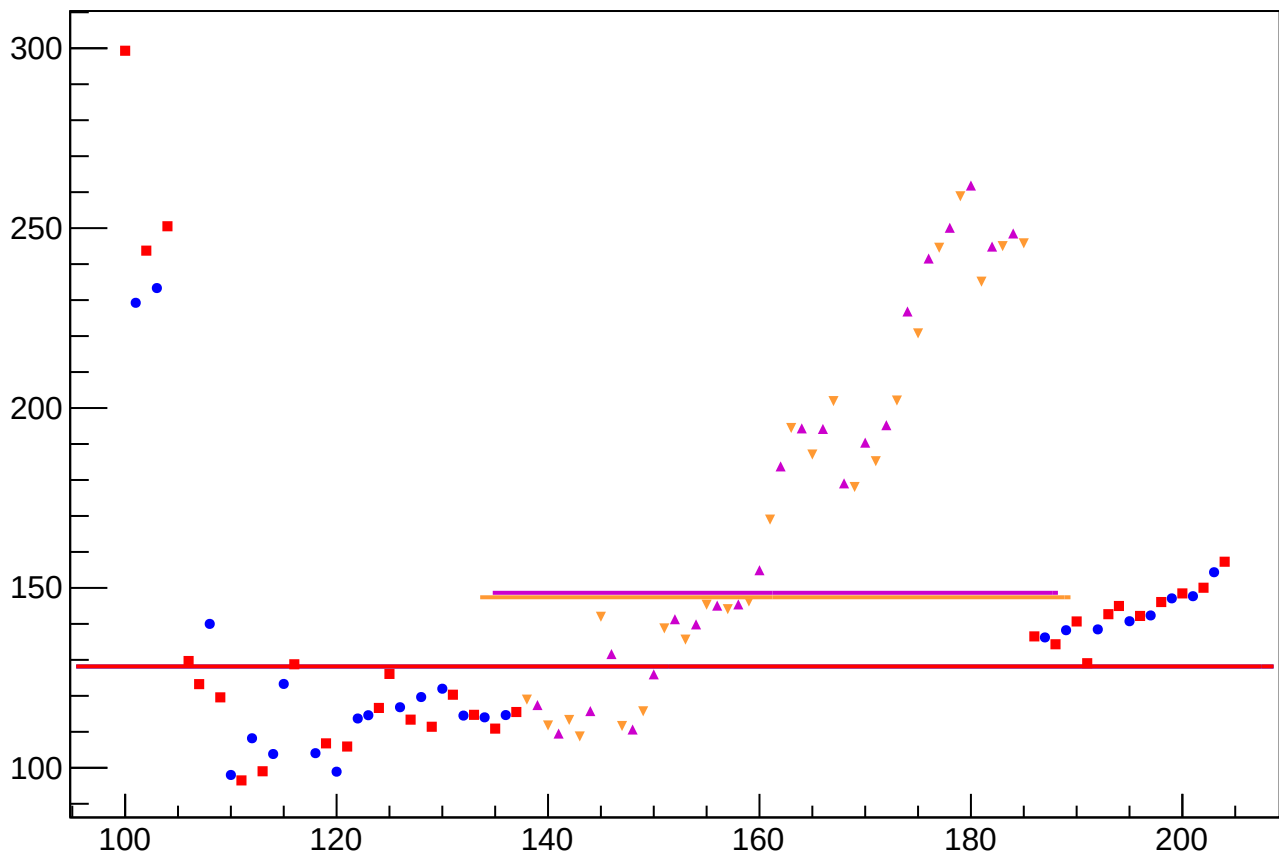
Left In: 6628.388 $\pm$ 37.160 χ^2 /NDF: 21738.0/22

+ sign -1935.962 $\pm$ 26.122 χ^2 /NDF: 166082.1/49

All: -776.252 $\pm$ 18.260 χ^2 /NDF: 347501.1/10

- sign 331.945 $\pm$ 25.536 χ^2 /NDF: 177564.7/52

asym_bpm2i01WS_rms vs Slug



Right In: 128.151+/-0.027 χ^2/NDF : 865105.4/24

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 128.180+/-0.025 χ^2/NDF : 998753.8/29

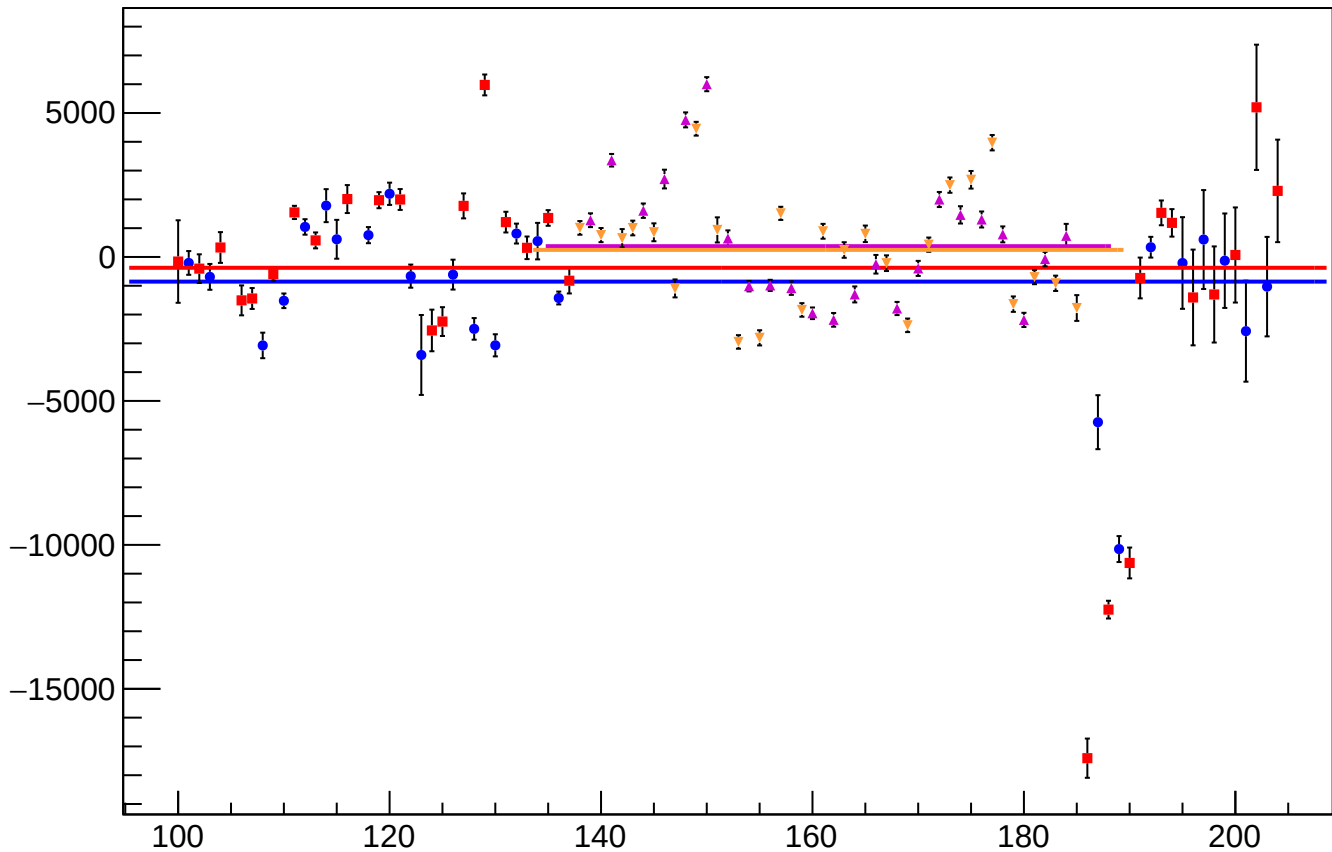
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 138.370+/-0.018 χ^2/NDF : 3652547.5/49

All: 138.101+/-0.013 χ^2/NDF : 7387299.1/102

- sign 137.843+/-0.018 χ^2/NDF : 3734334.2/52

asym_bpm0i07WS_mean vs Slug



Right In: -856.223 ± 84.323 χ^2/NDF : 761.4/24

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -376.092 ± 75.096 χ^2/NDF : 3169.7/29

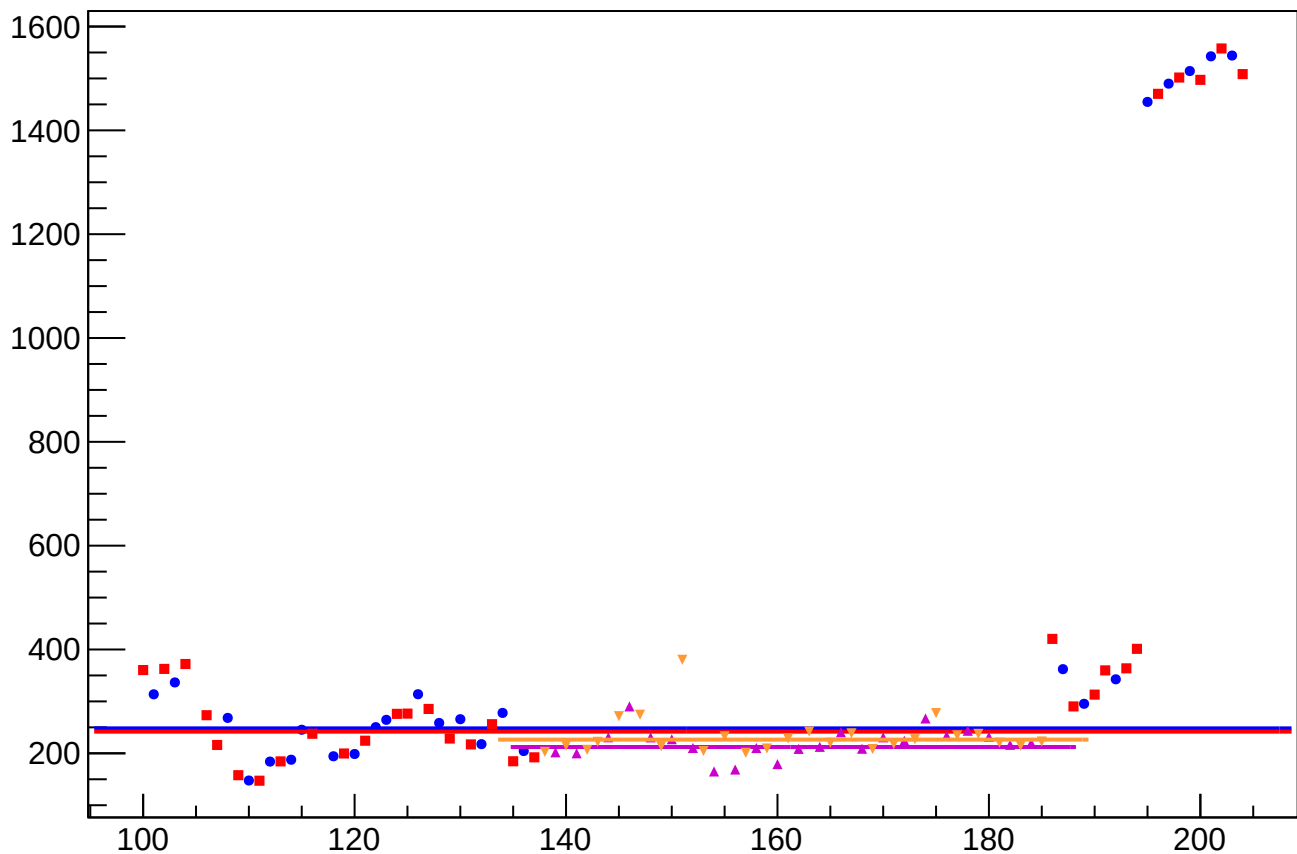
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -70.194 ± 45.170 χ^2/NDF : 2238.1/49

All: 36.549 ± 31.027 χ^2/NDF : 7284.3/102

- sign 131.899 ± 42.691 χ^2/NDF : 5035.6/52

asym_bpm0i07WS_rms vs Slug



Right In: 248.059 $\pm$ 0.060 χ^2 /NDF: 6610910.7/24

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 241.742 $\pm$ 0.053 χ^2 /NDF: 6981457.3/29

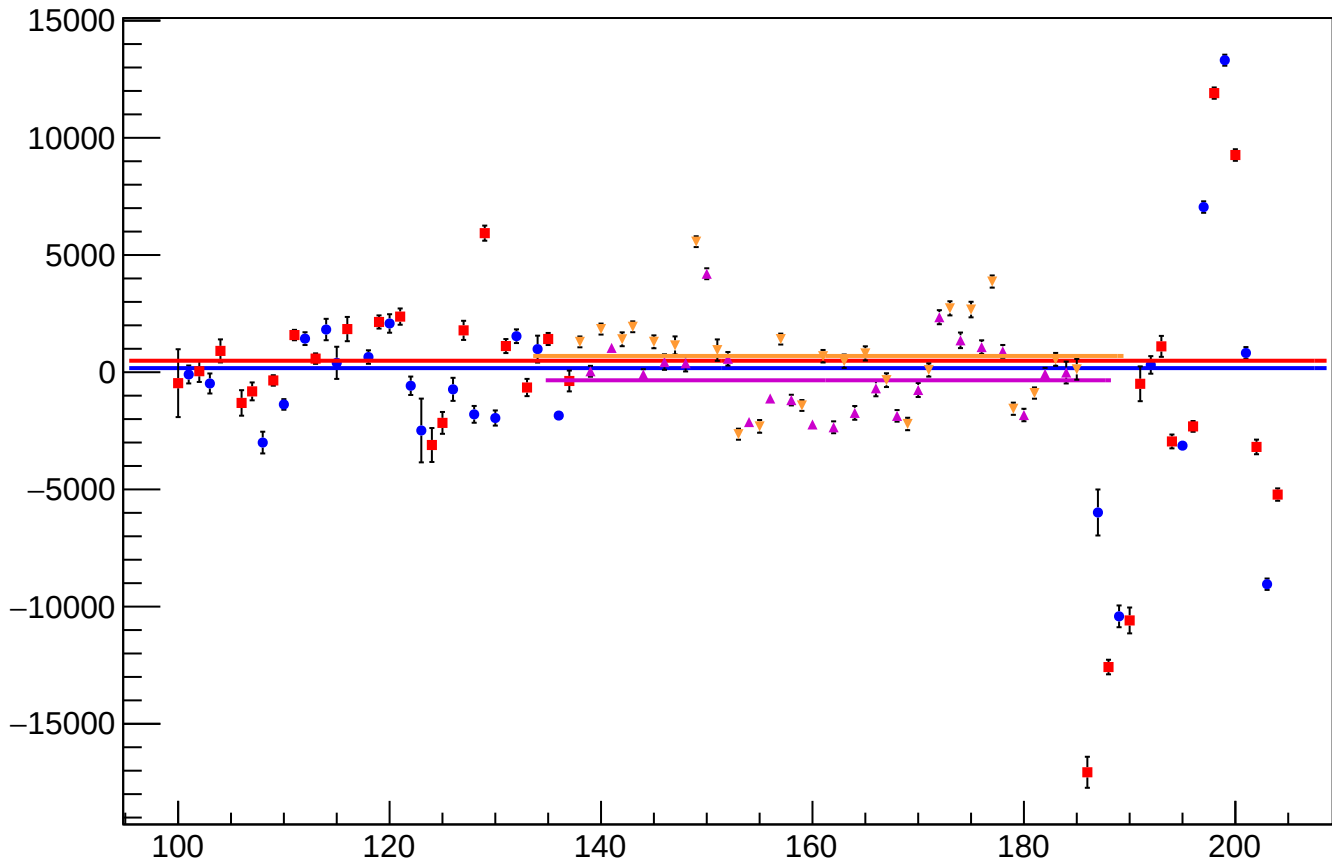
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 232.598 $\pm$ 0.032 χ^2 /NDF: 7226984.4/49

All: 226.847 $\pm$ 0.022 χ^2 /NDF: 15071782.7/10

- sign 221.710 $\pm$ 0.030 χ^2 /NDF: 7783426.2/52

asym_bpm0l01WS_mean vs Slug



Right In: 174.837 ± 64.223 χ^2/NDF : 6501.1/24

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: 489.959 ± 60.098 χ^2/NDF : 7773.7/29

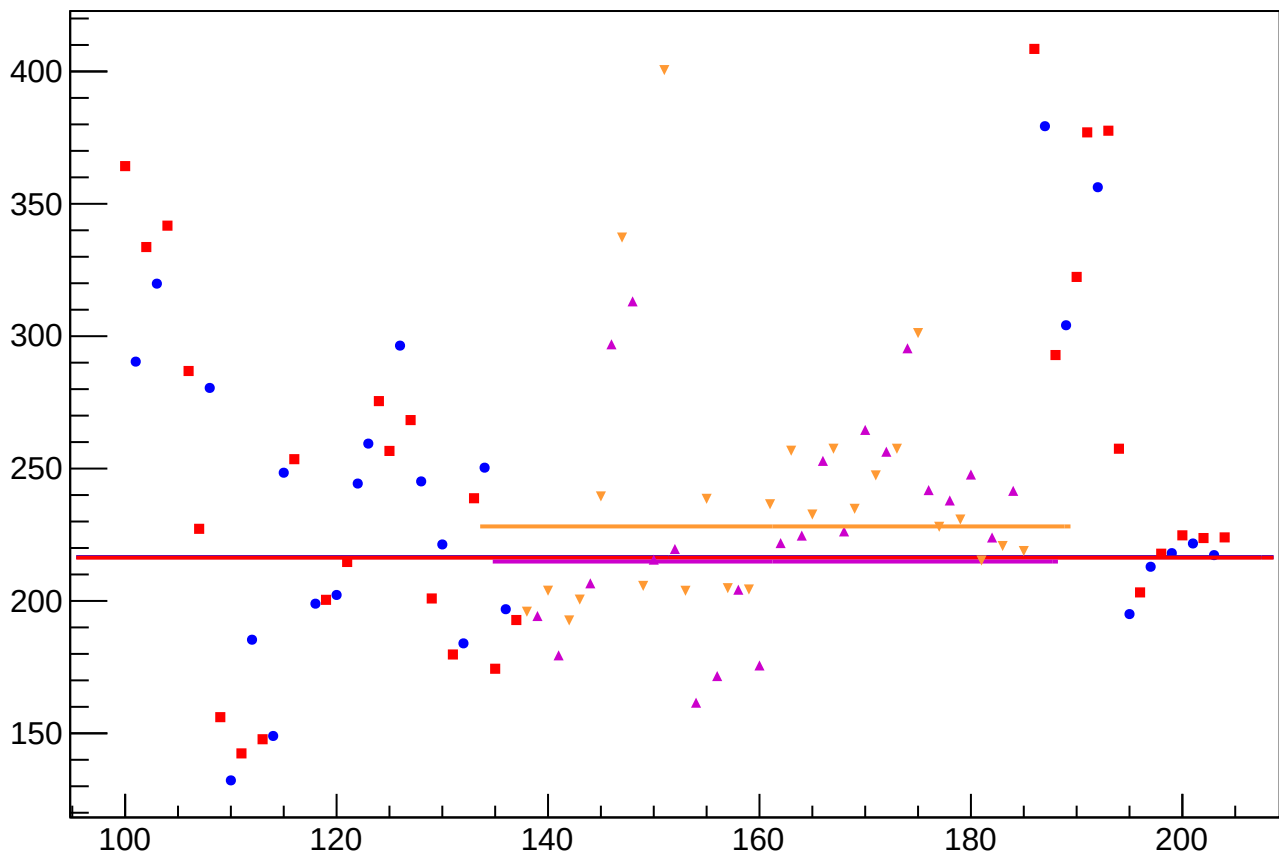
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 478.020 ± 41.442 χ^2/NDF : 7961.4/49

All: 239.449 ± 28.680 χ^2/NDF : 16892.3/102

- sign 20.165 ± 39.731 χ^2/NDF : 8867.3/52

asym_bpm0l01WS_rms vs Slug



Right In: 216.556 $\pm$ 0.045 χ^2 /NDF: 1143829.5/24

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF: 828399.3/24

Right Out: 216.364 $\pm$ 0.042 χ^2 /NDF: 1819584.3/29

Left In: 214.878 $\pm$ 0.037 χ^2 /NDF: 1037509.6/22

+ sign 223.319 $\pm$ 0.029 χ^2 /NDF: 2010228.1/49

All: 219.259 $\pm$ 0.020 χ^2 /NDF: 4904844.3/102

- sign 215.528 $\pm$ 0.028 χ^2 /NDF: 2857782.4/52

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

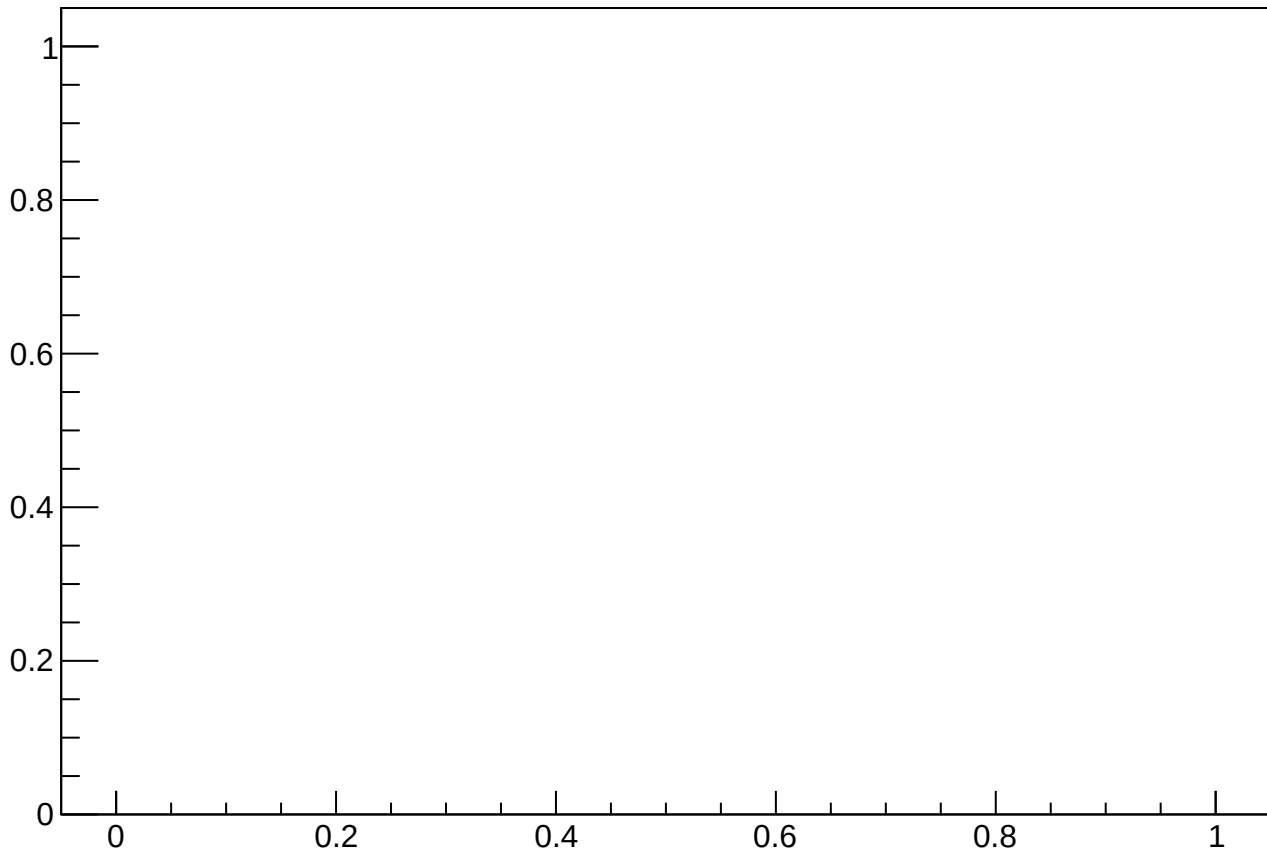
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

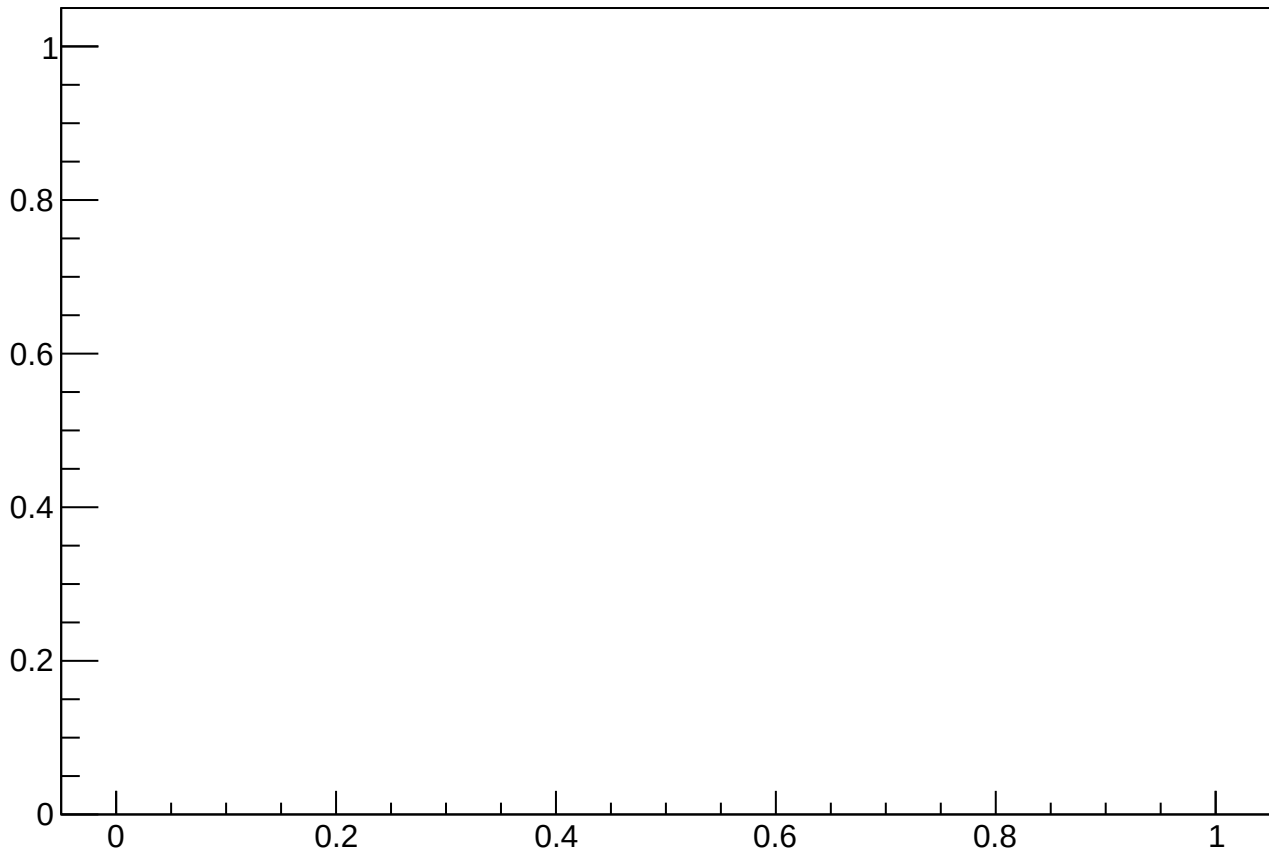
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

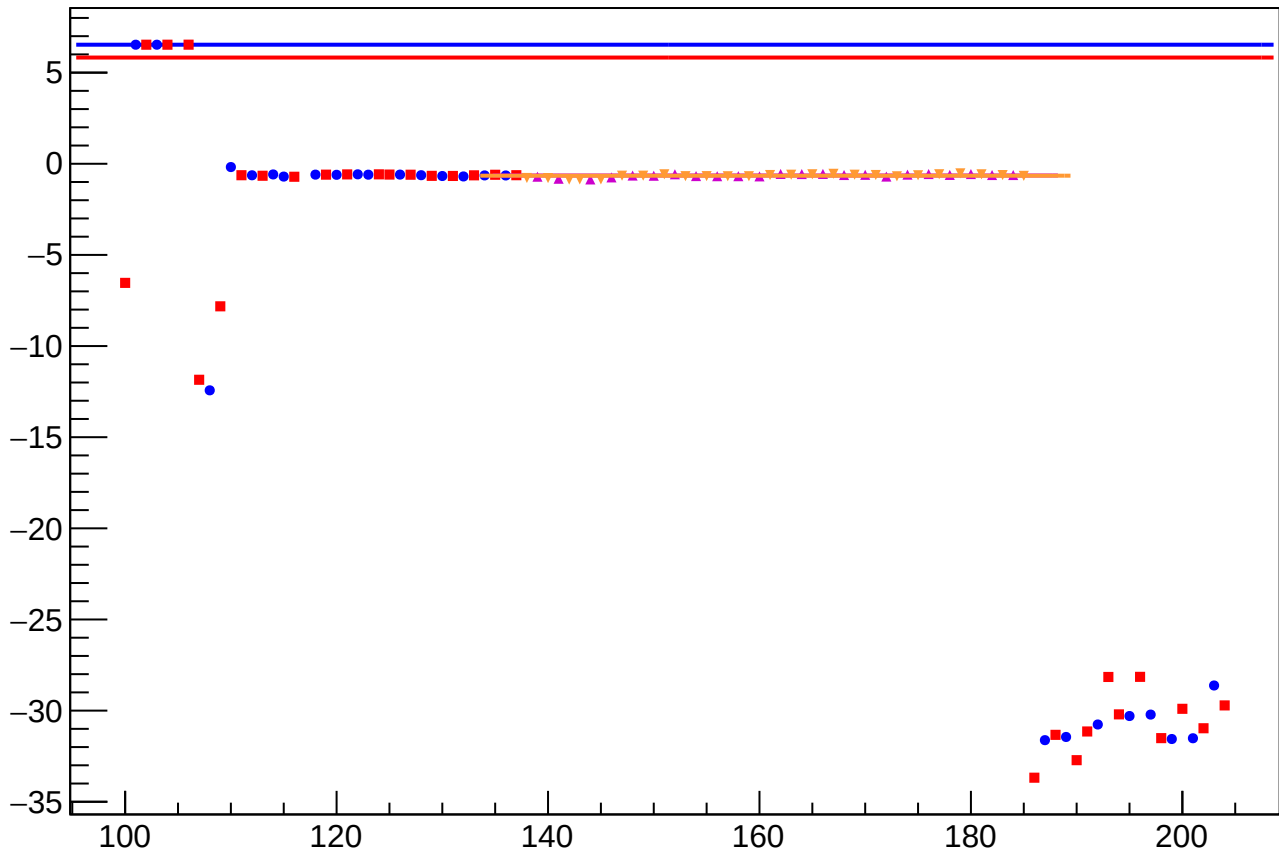
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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 ± 0.000 χ^2/NDF : 127966013198.3/24

Left Out: -0.654 ± 0.000 χ^2/NDF : 179069954.8/24

Right Out: 5.827 ± 0.000 χ^2/NDF : 755962385560825.8/29

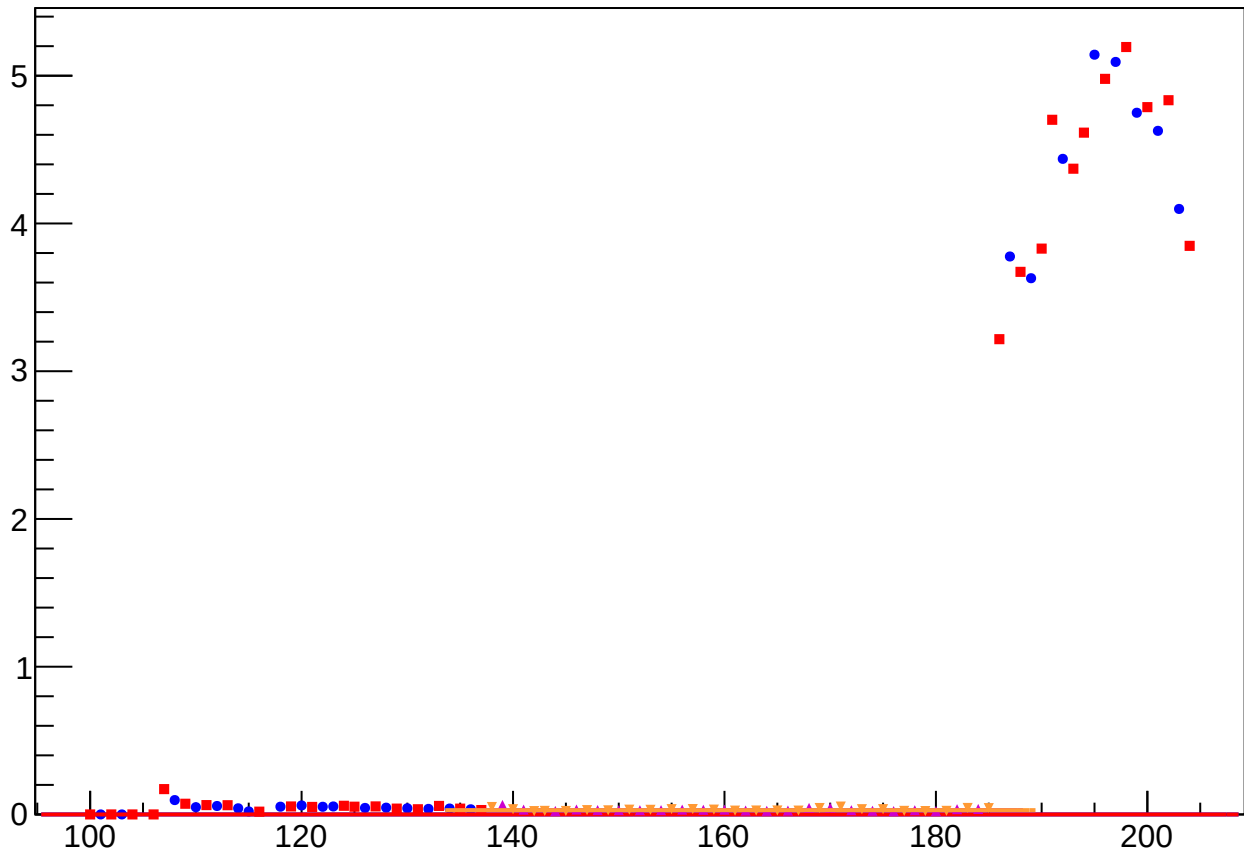
Left In: -0.643 ± 0.000 χ^2/NDF : 123743747.1/22

+ sign 6.530 ± 0.000 χ^2/NDF : 1001805506142.9/49

All: 6.153 ± 0.000 χ^2/NDF : 77762774782602

- sign 5.826 ± 0.000 χ^2/NDF : 756640848689826.0/29

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19570834.6/24

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23149482.6/29

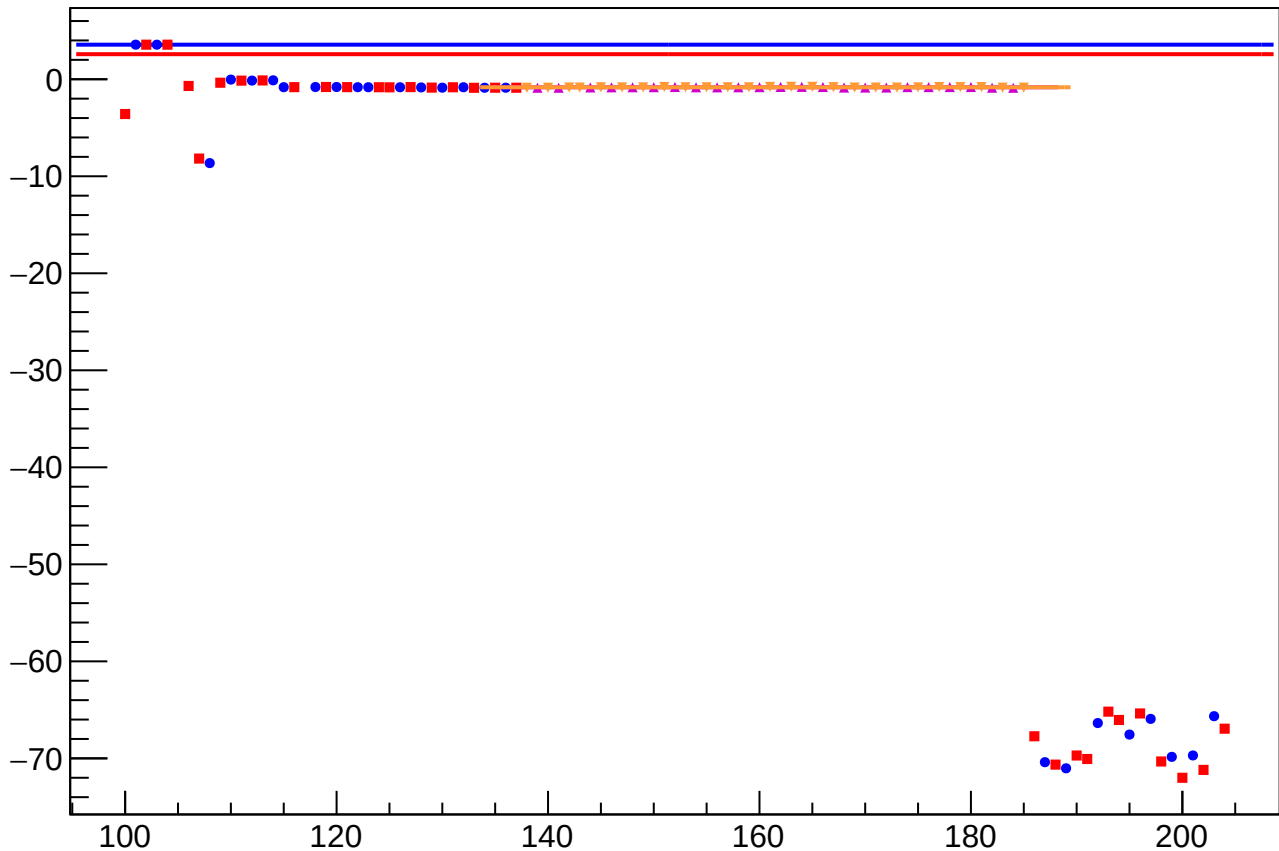
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 49534584.8/49

All: 0.000+/-0.000 χ^2/NDF : 100866568.5/102

- sign 0.000+/-0.000 χ^2/NDF : 51331315.8/52

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 500922409017.3/24

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

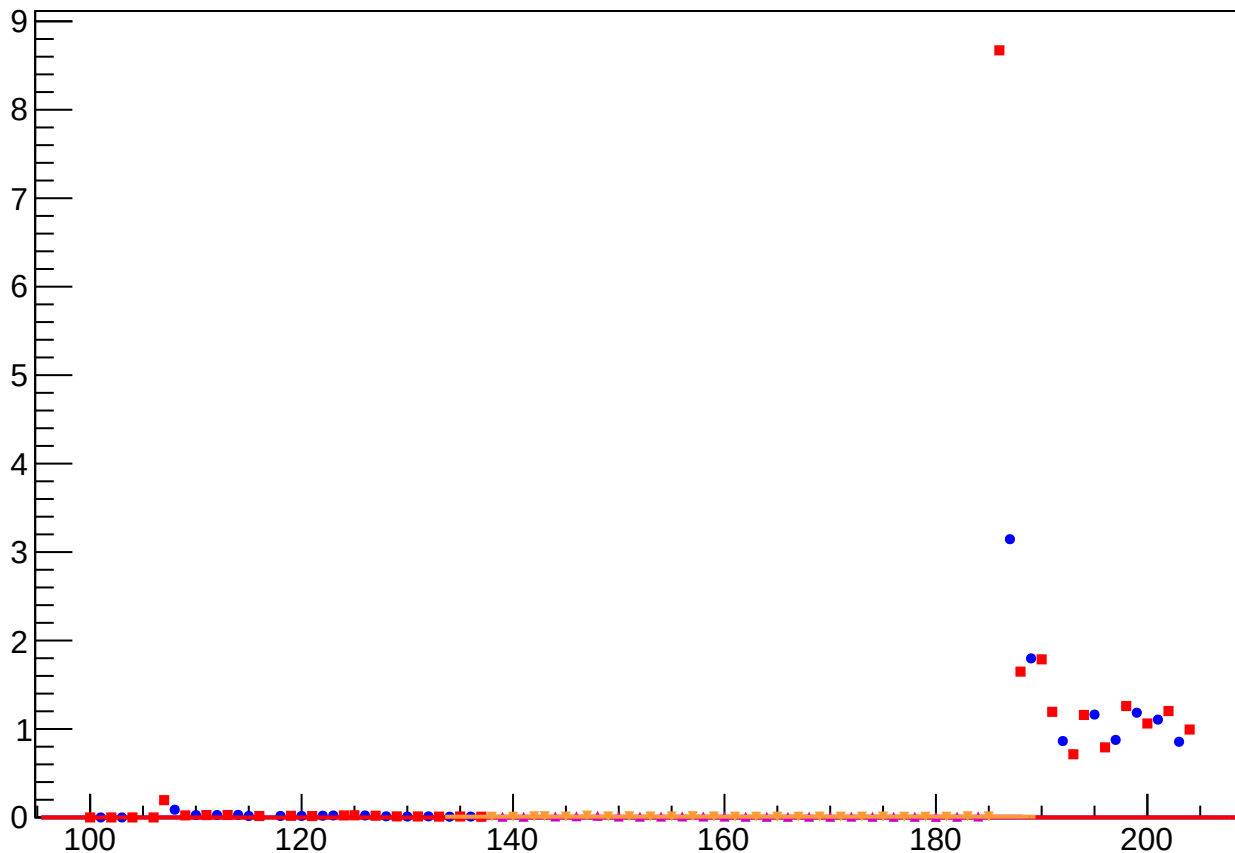
+ sign 3.560+/-0.000 χ^2/NDF : 4197369606795.9/49

Right Out: 2.583+/-0.000 χ^2/NDF : 1253526729506367.5/29 All: 3.038+/-0.000 χ^2/NDF : 13880233403930

- sign 2.581+/-0.000 χ^2/NDF : 1255747823158290.8

Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18414326.3/24

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21598322.8/29

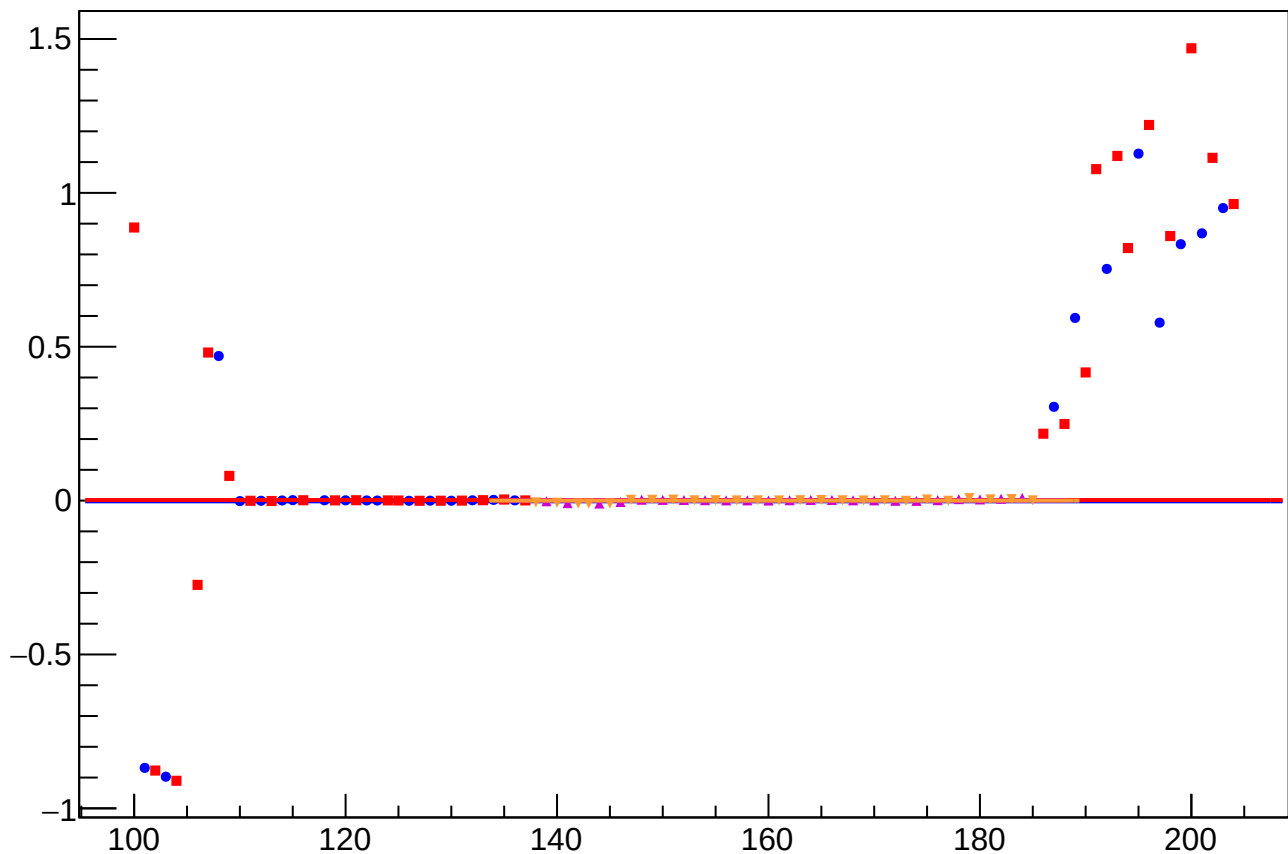
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 49922670.3/49

All: 0.000+/-0.000 χ^2/NDF : 101328679.0/102

- sign 0.000+/-0.000 χ^2/NDF : 51404931.2/52

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9796187181.9/24

Left Out: -0.000+/-0.000 χ^2/NDF :151559332.0/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3043570700.1/29

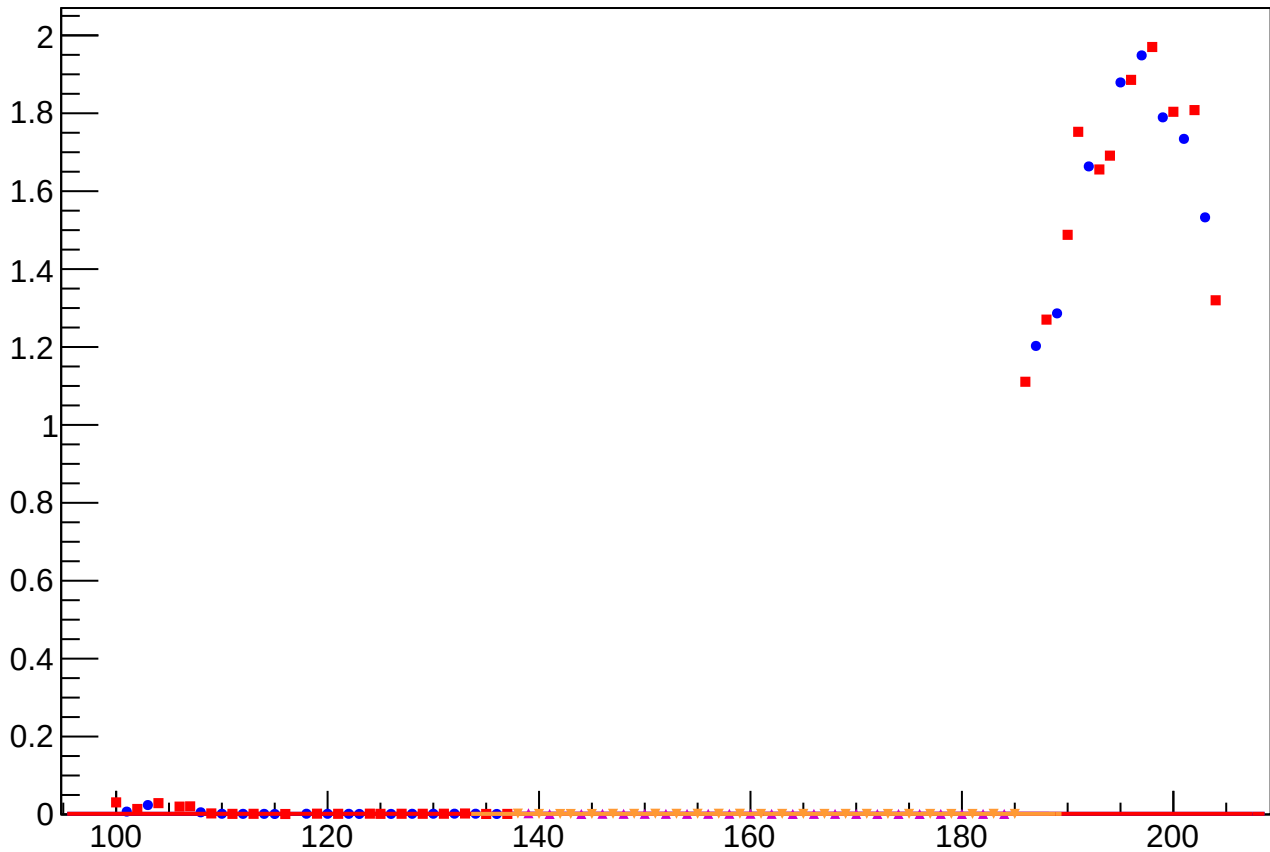
Left In: 0.001+/-0.000 χ^2/NDF :101468517.6/22

+ sign -0.001+/-0.000 χ^2/NDF : 9954706428.1/49

All: 0.000+/-0.000 χ^2/NDF : 13109276162.6/100

- sign 0.001+/-0.000 χ^2/NDF : 3147017822.2/52

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 12606936.9/24

Left Out: 0.001+/-0.000 χ^2/NDF : 539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 16806340.5/29

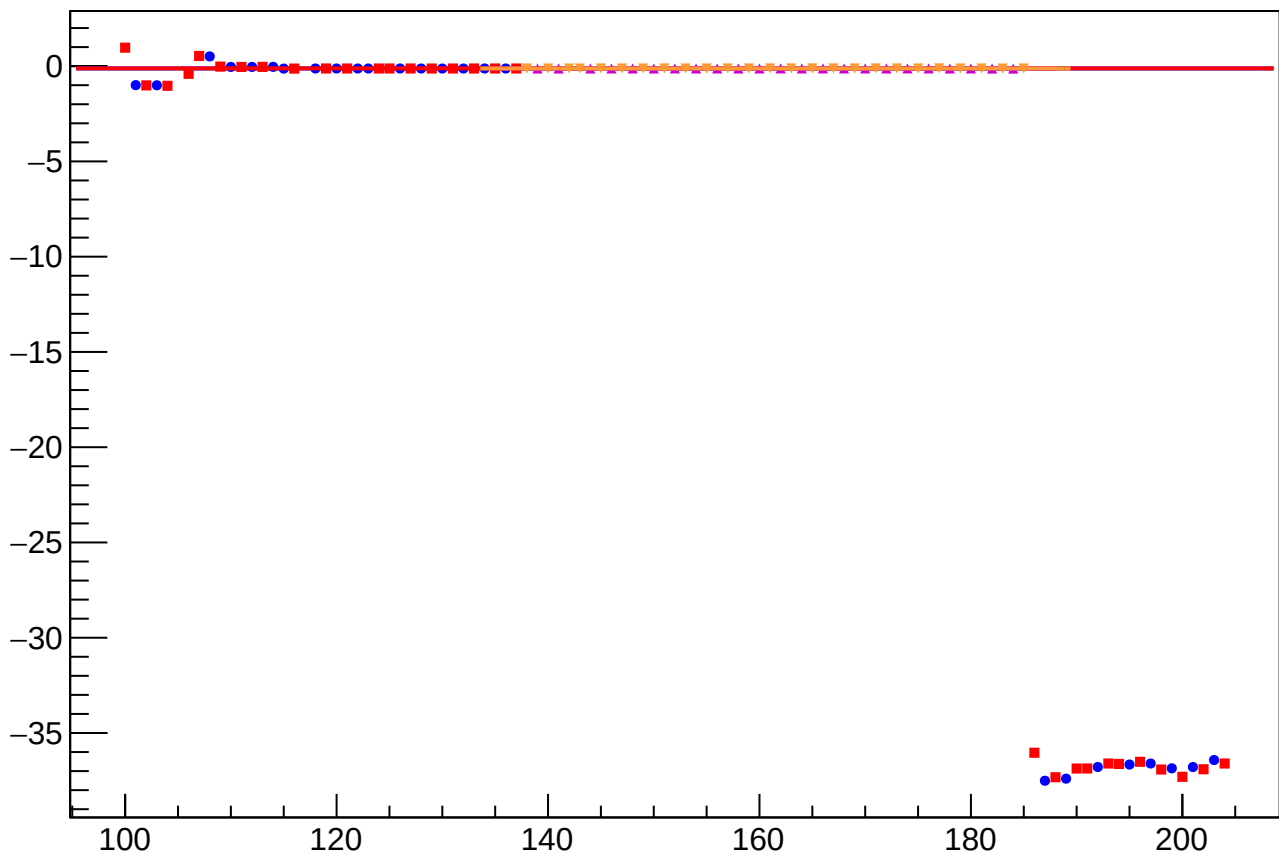
Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 13216985.4/49

All: 0.002+/-0.000 χ^2/NDF : 30801086.6/102

- sign 0.002+/-0.000 χ^2/NDF : 17576172.5/52

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000 χ^2/NDF : 50446421815.4/24

Left Out: -0.121+/-0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.116+/-0.000 χ^2/NDF : 59986649327.4/29

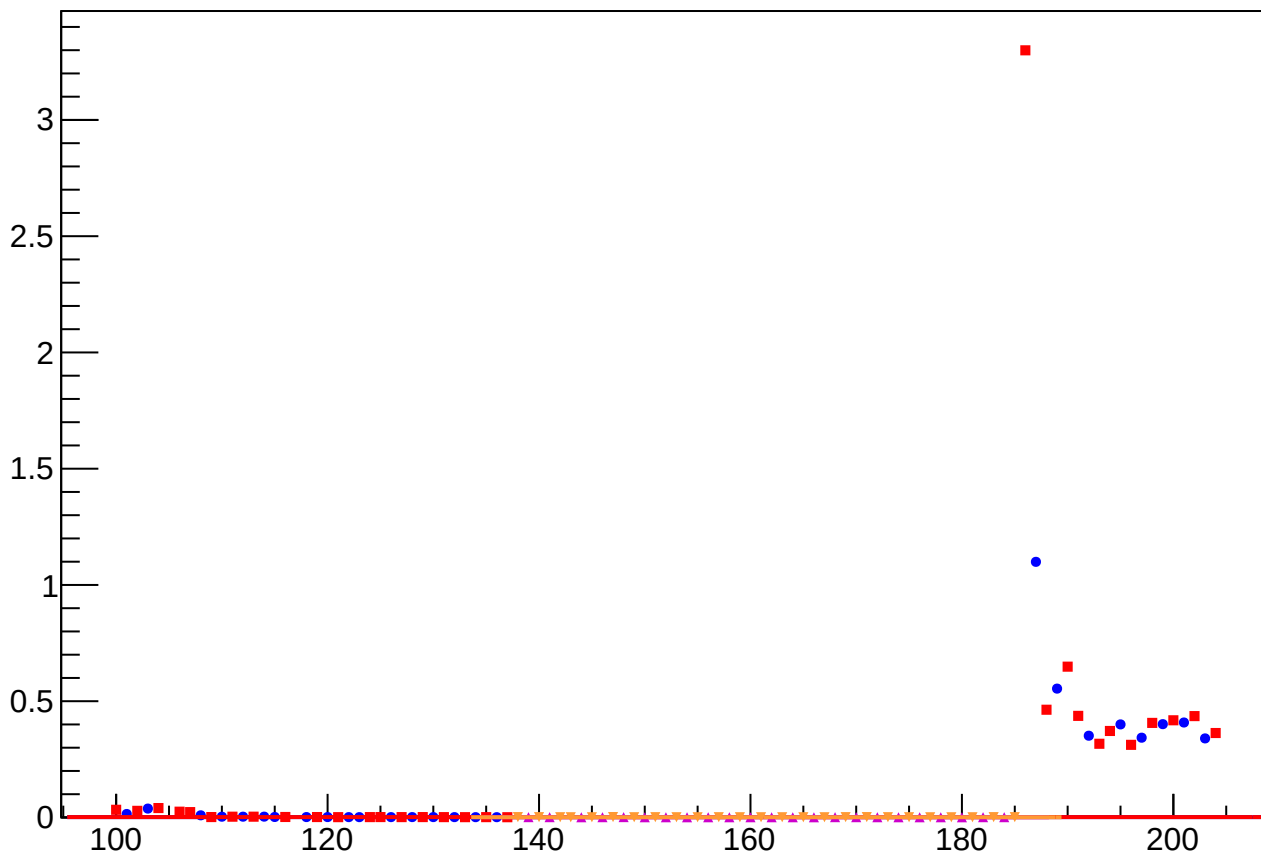
Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

+ sign -0.121+/-0.000 χ^2/NDF : 50504765512.5/49

All: -0.121+/-0.000 χ^2/NDF : 110585811911.6

- sign -0.120+/-0.000 χ^2/NDF : 60077192521.4/52

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 13066461.1/24

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 16793895.5/29

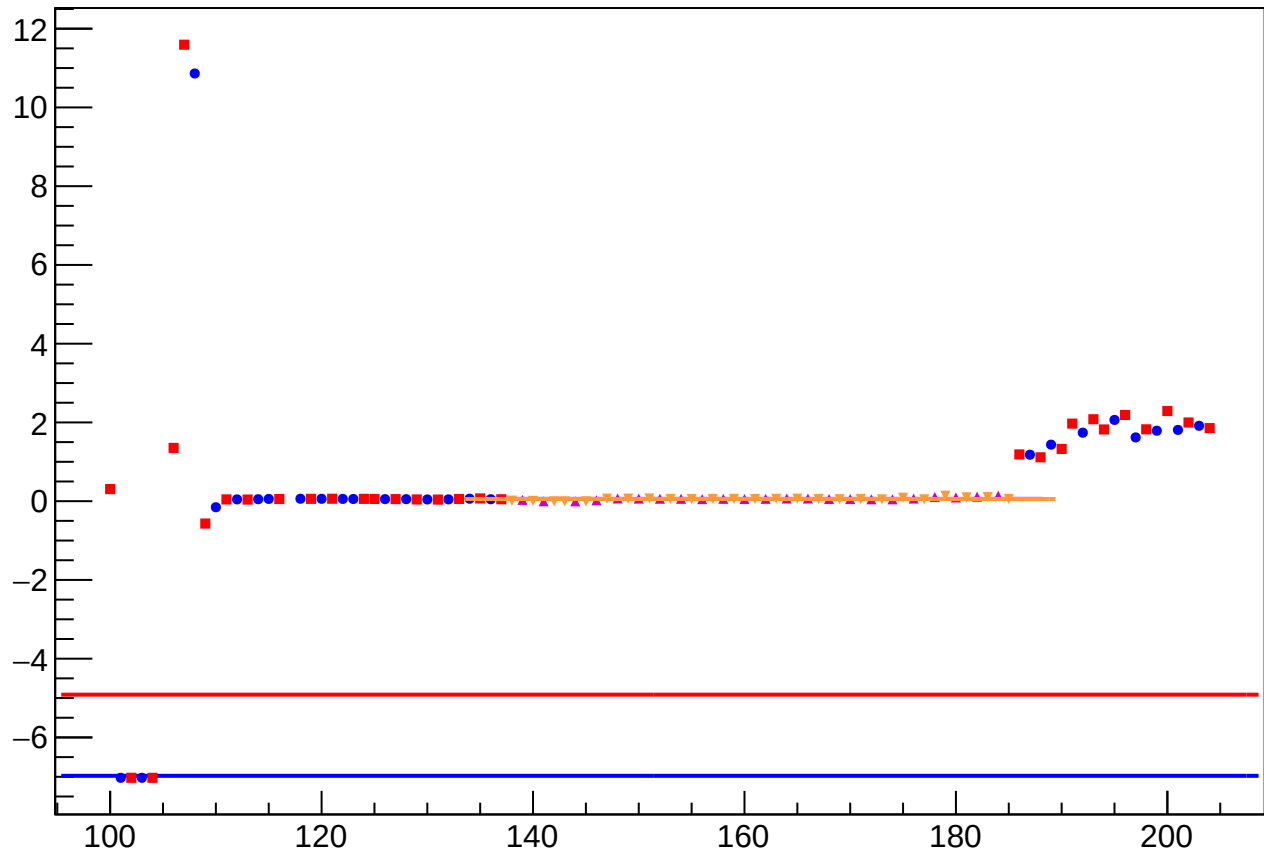
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 15612631.6/49

All: 0.001+/-0.000 χ^2/NDF : 34518154.1/102

- sign 0.001+/-0.000 χ^2/NDF : 18903455.1/52

yield_cav4dX_mean vs Slug



Right In: -6.975 $\pm$ 0.000 χ^2 /NDF: 8762635676721.8/24

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 243733184.3/24

Right Out: -4.914 $\pm$ 0.000 χ^2 /NDF: 365348691877174.2/29

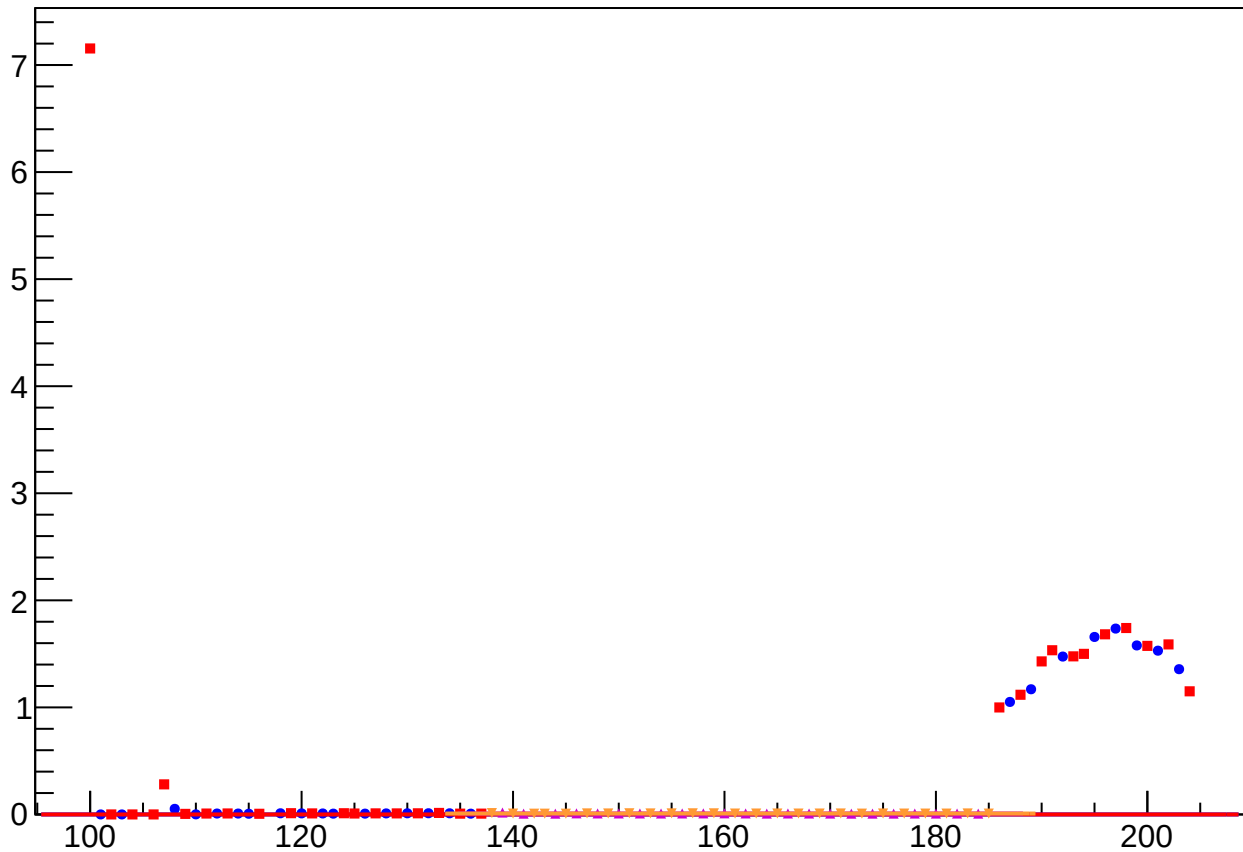
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 178713649.9/22

+ sign -6.921 $\pm$ 0.000 χ^2 /NDF: 18417624116174.1/24

All: -5.858 $\pm$ 0.000 χ^2 /NDF: 4435815064333.3/24

- sign -4.882 $\pm$ 0.000 χ^2 /NDF: 369770982477325.3/24

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18932222.9/24

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 22561612.9/29

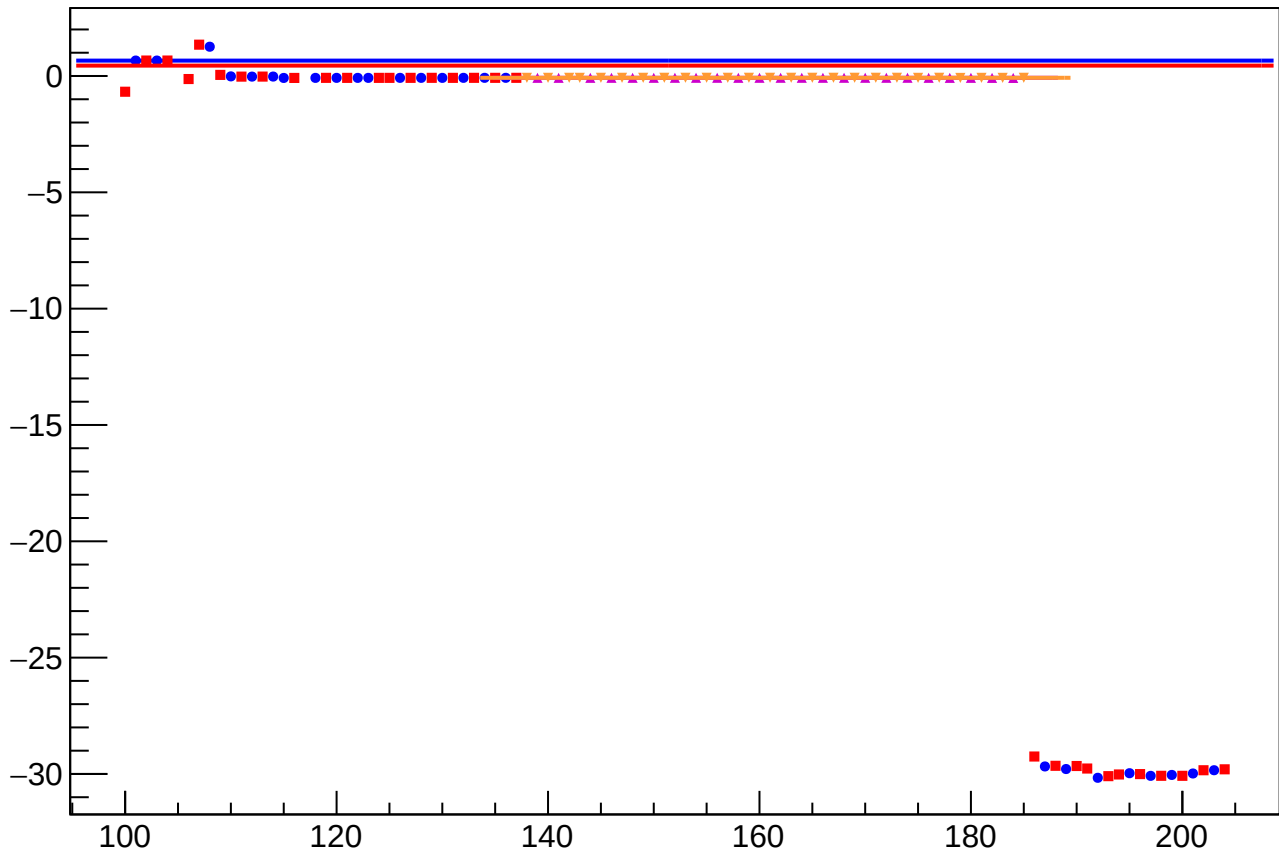
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 47919381.9/49

All: 0.000+/-0.000 χ^2/NDF : 98159002.3/102

- sign 0.000+/-0.000 χ^2/NDF : 50235173.3/52

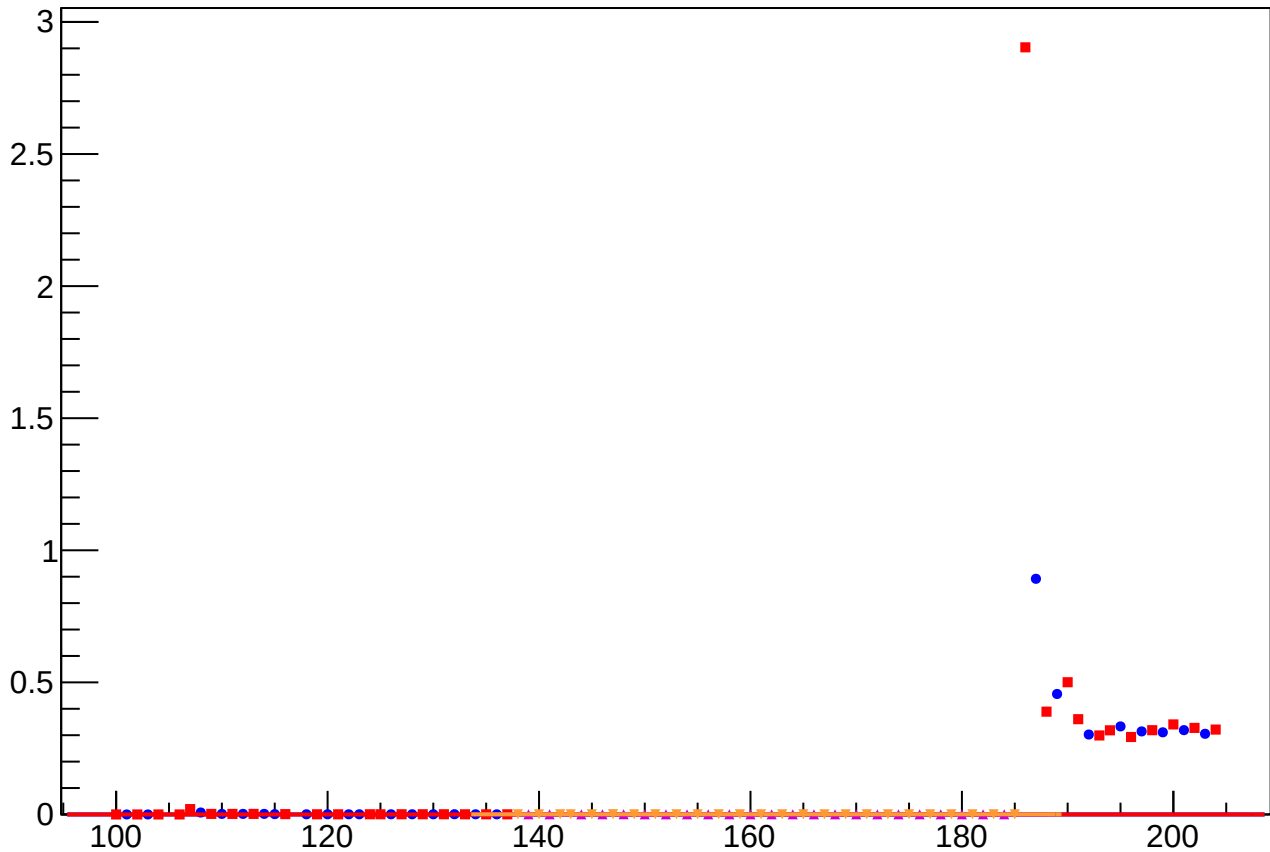
yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 $\chi^2/\text{NDF}: 5632486329600.8/24$
 Left Out: -0.078 ± 0.000 $\chi^2/\text{NDF}: 156525648.0/24$
 Right Out: 0.446 ± 0.000 $\chi^2/\text{NDF}: 405471724743346.2/29$
 Left In: -0.077 ± 0.000 $\chi^2/\text{NDF}: 111221084.5/22$

+ sign 0.646 ± 0.000 $\chi^2/\text{NDF}: 35799952759134.6/4$
 All: 0.537 ± 0.000 $\chi^2/\text{NDF}: 51608342485502$
 - sign 0.437 ± 0.000 $\chi^2/\text{NDF}: 419703243205352.6/4$

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 20398240.3/24

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23104447.1/29

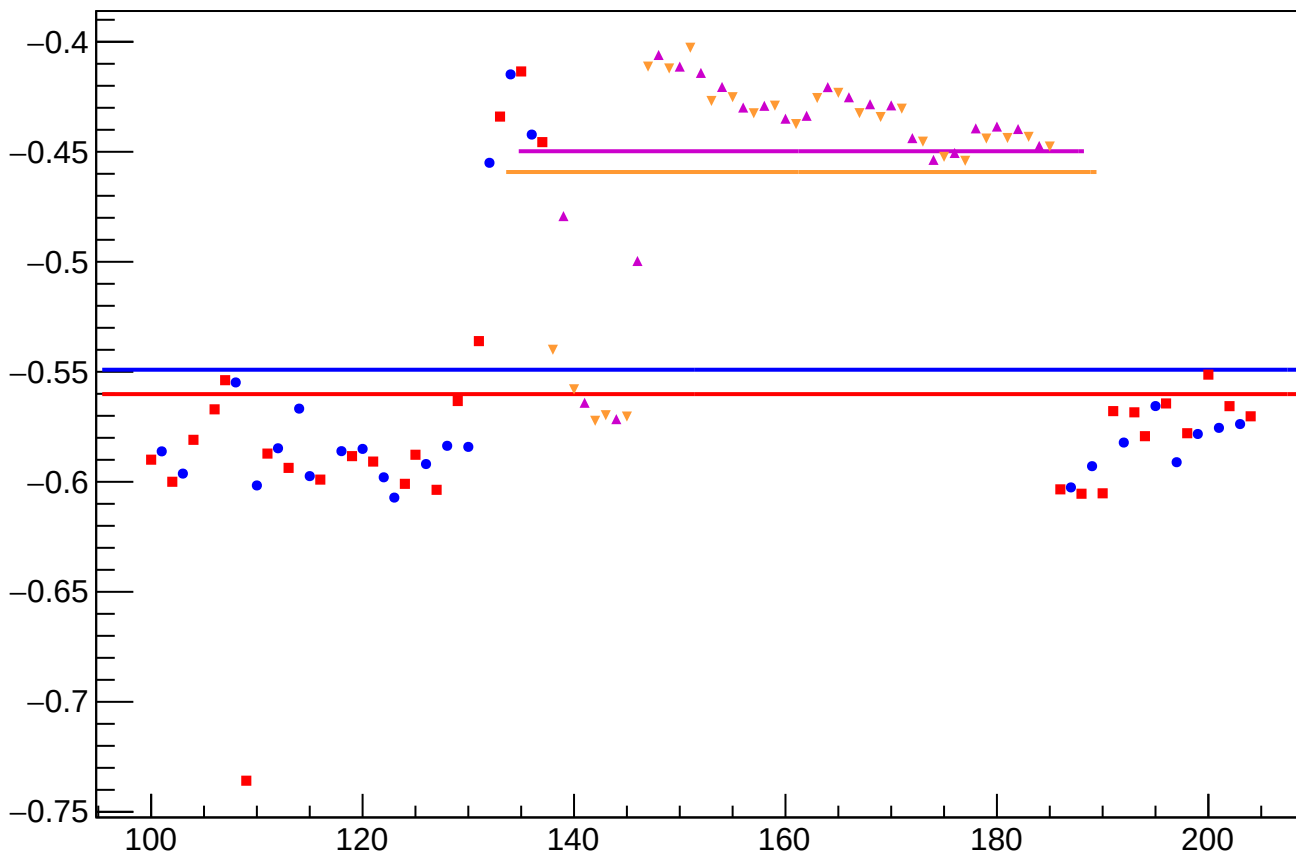
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 53047168.8/49

All: 0.000+/-0.000 χ^2/NDF : 107195209.5/102

- sign 0.000+/-0.000 χ^2/NDF : 54140898.6/52

yield_bpm4aX_mean vs Slug



Right In: -0.549 ± 0.000 $\chi^2/\text{NDF}: 47812829.1/24$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 113808762.6/24$

Right Out: -0.560 ± 0.000 $\chi^2/\text{NDF}: 65324359.2/29$

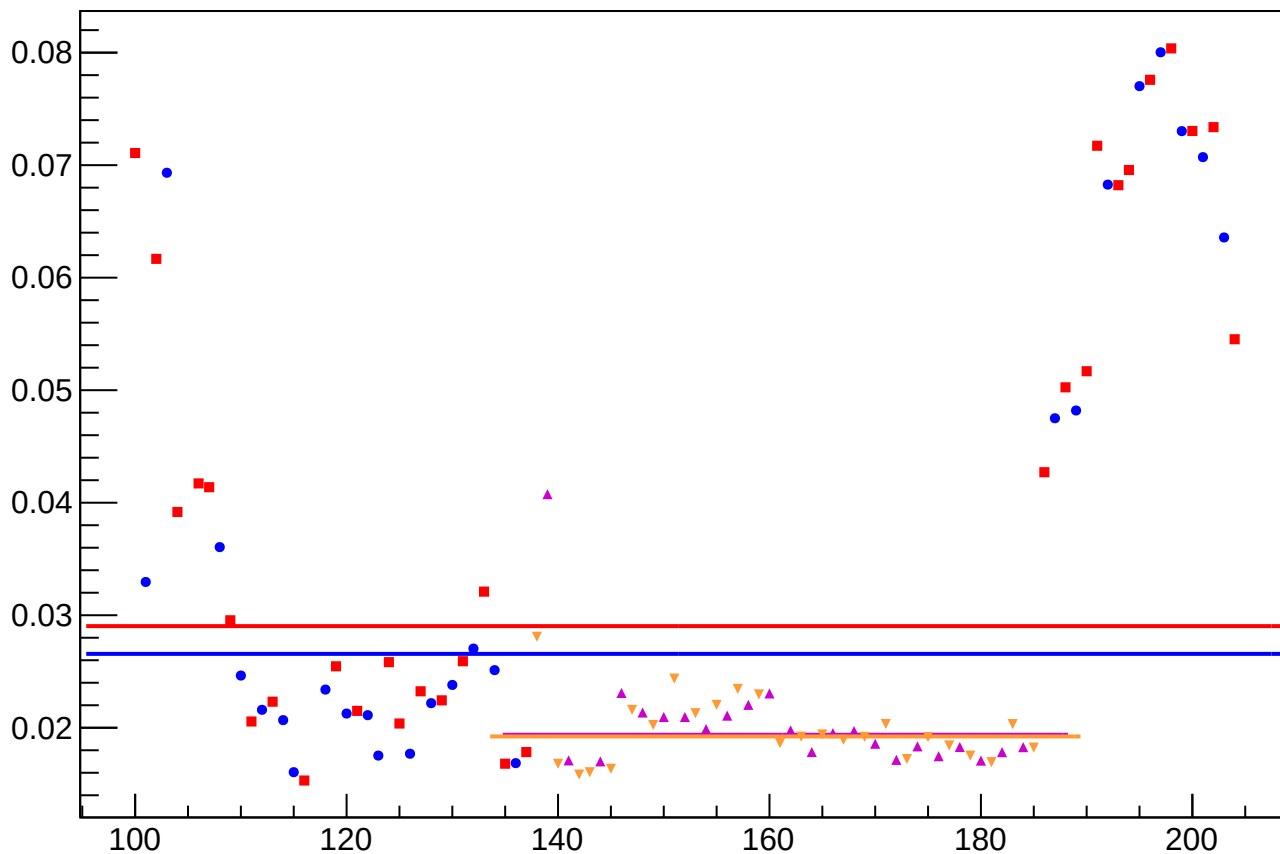
Left In: -0.450 ± 0.000 $\chi^2/\text{NDF}: 76151485.7/22$

+ sign -0.479 ± 0.000 $\chi^2/\text{NDF}: 234138841.2/49$

All: -0.478 ± 0.000 $\chi^2/\text{NDF}: 483669494.5/10$

- sign -0.476 ± 0.000 $\chi^2/\text{NDF}: 249240549.8/52$

yield_bpm4aX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 5416075.3/24

Left Out: 0.019+/-0.000 χ^2/NDF :501253.7/24

Right Out: 0.029+/-0.000 χ^2/NDF : 6040190.7/29

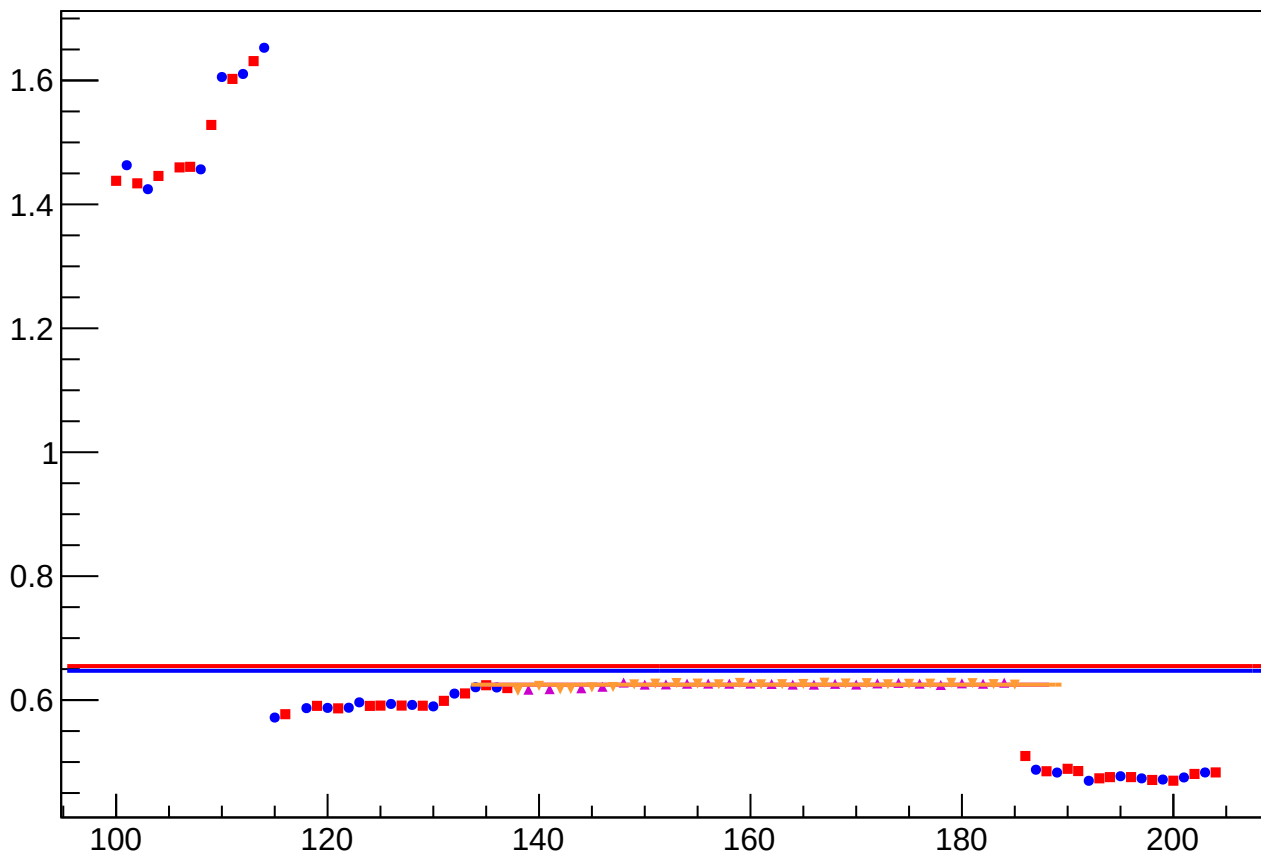
Left In: 0.019+/-0.000 χ^2/NDF :656155.9/22

+ sign 0.021+/-0.000 χ^2/NDF : 6885310.9/49

All: 0.021+/-0.000 χ^2/NDF : 15262531.2/102

- sign 0.022+/-0.000 χ^2/NDF : 8345309.3/52

yield_bpm4aY_mean vs Slug



Right In: 0.647 $\pm$ 0.000 χ^2 /NDF: 4842980443.9/24

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.655 $\pm$ 0.000 χ^2 /NDF: 5937281902.9/29

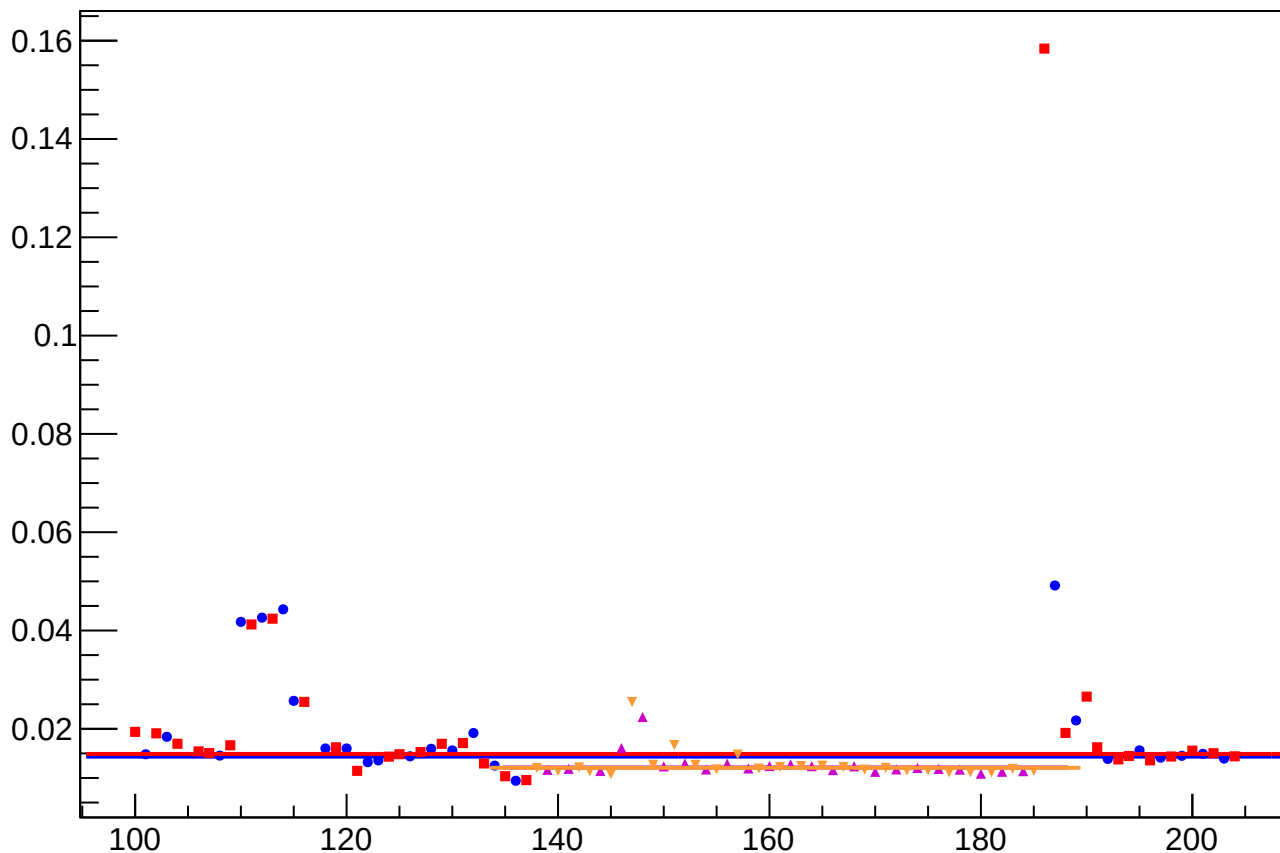
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.632 $\pm$ 0.000 χ^2 /NDF: 4862687621.4/49

All: 0.633 $\pm$ 0.000 χ^2 /NDF: 10835874425.9/100

- sign 0.635 $\pm$ 0.000 χ^2 /NDF: 5972371231.8/52

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1643105.6/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2073748.1/29

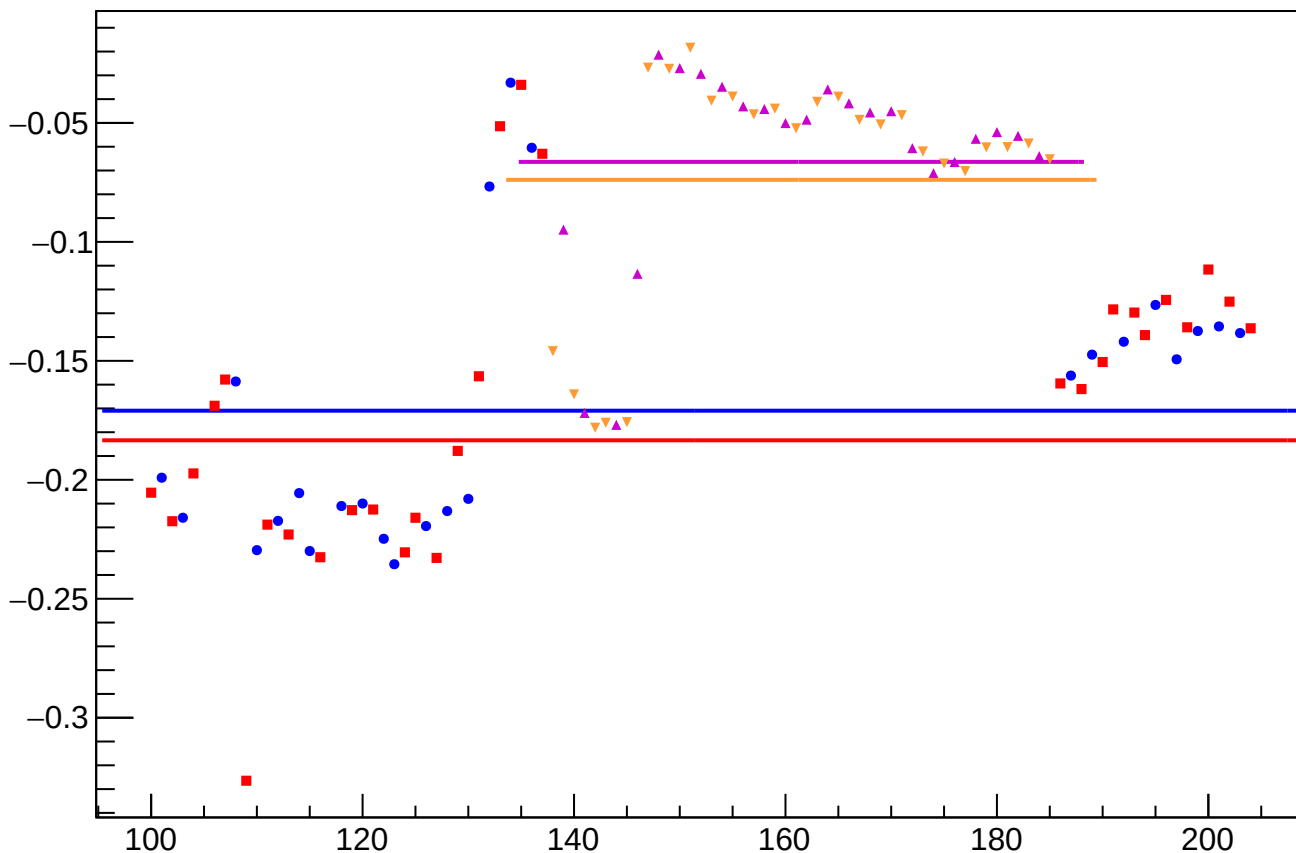
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2676972.8/49

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5820134.3/102

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3129408.7/52

yield_bpm4eX_mean vs Slug



Right In: -0.171 ± 0.000 χ^2/NDF : 68172301.1/24

Left Out: -0.074 ± 0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.183 ± 0.000 χ^2/NDF : 85774322.1/29

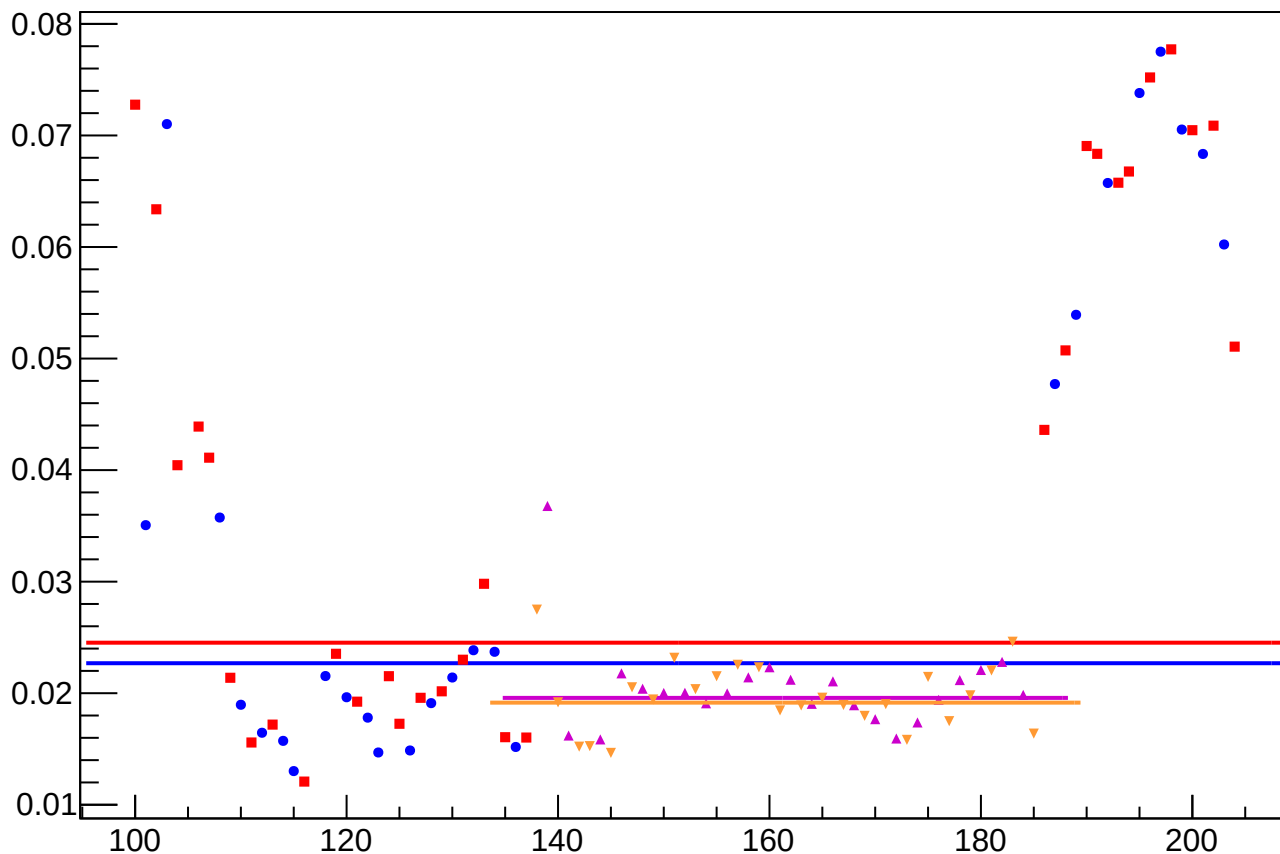
Left In: -0.066 ± 0.000 χ^2/NDF : 76283954.4/22

+ sign -0.100 ± 0.000 χ^2/NDF : 279864871.5/49

All: -0.100 ± 0.000 χ^2/NDF : 589914745.7/10

- sign -0.100 ± 0.000 χ^2/NDF : 310048233.6/52

yield_bpm4eX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 6289071.5/24

Left Out: 0.019+/-0.000 χ^2/NDF : 641027.3/24

Right Out: 0.025+/-0.000 χ^2/NDF : 7334496.1/29

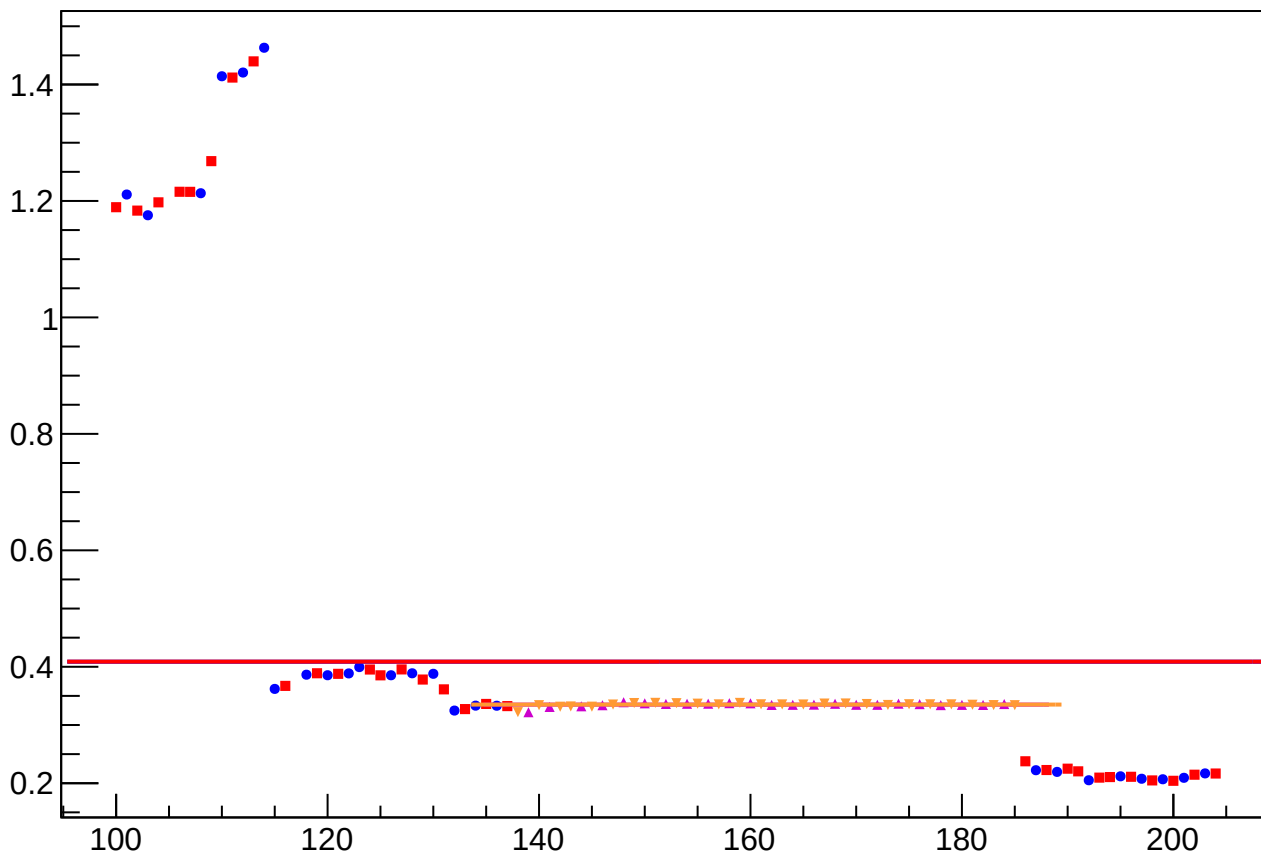
Left In: 0.020+/-0.000 χ^2/NDF : 651328.7/22

+ sign 0.020+/-0.000 χ^2/NDF : 7205398.3/49

All: 0.021+/-0.000 χ^2/NDF : 15765237.6/102

- sign 0.021+/-0.000 χ^2/NDF : 8515026.2/52

yield_bpm4eY_mean vs Slug



Right In: 0.409+/-0.000 χ^2/NDF : 7151950786.5/24

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.409+/-0.000 χ^2/NDF : 8380390045.3/29

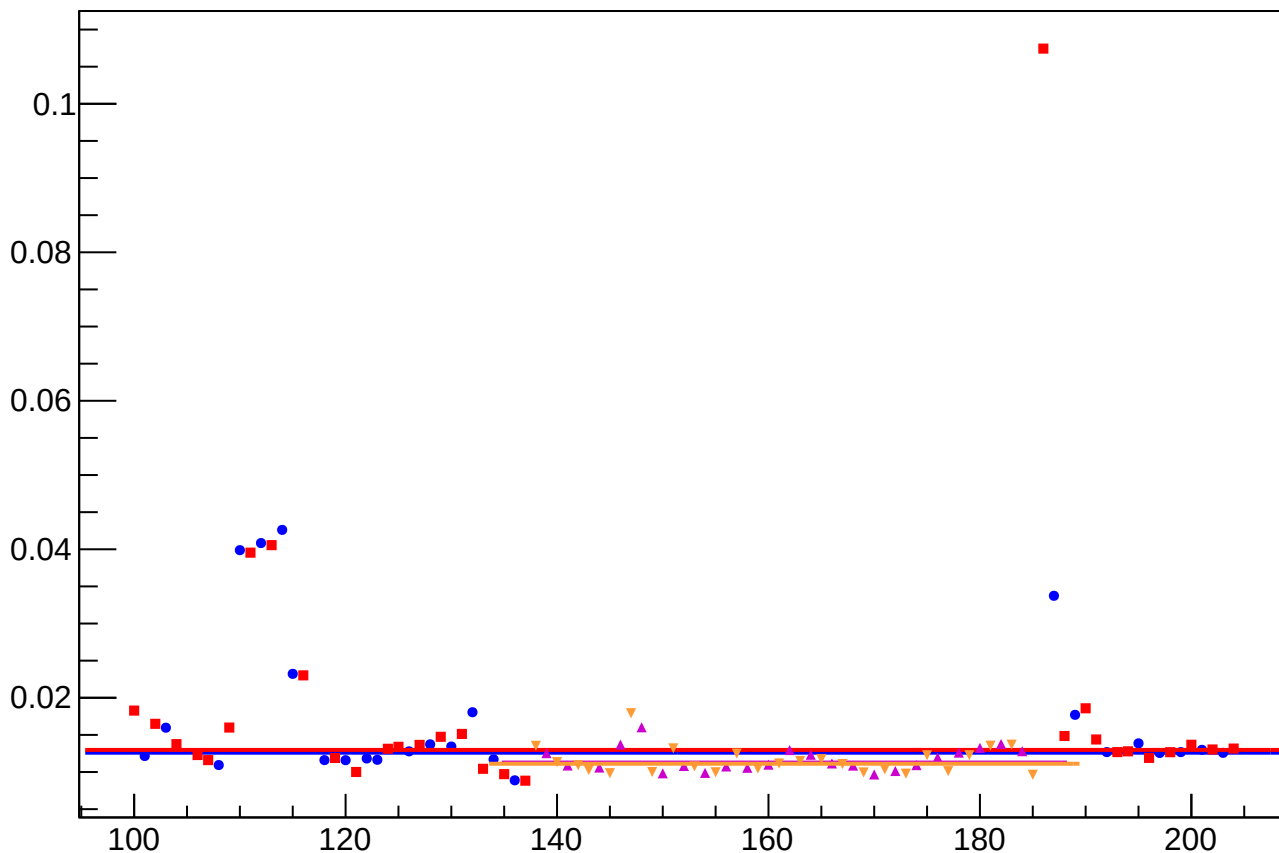
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.359+/-0.000 χ^2/NDF : 7401341663.2/49

All: 0.360+/-0.000 χ^2/NDF : 16040080596.4/100

- sign 0.362+/-0.000 χ^2/NDF : 8638012763.2/52

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1510264.5/24

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1933627.5/29

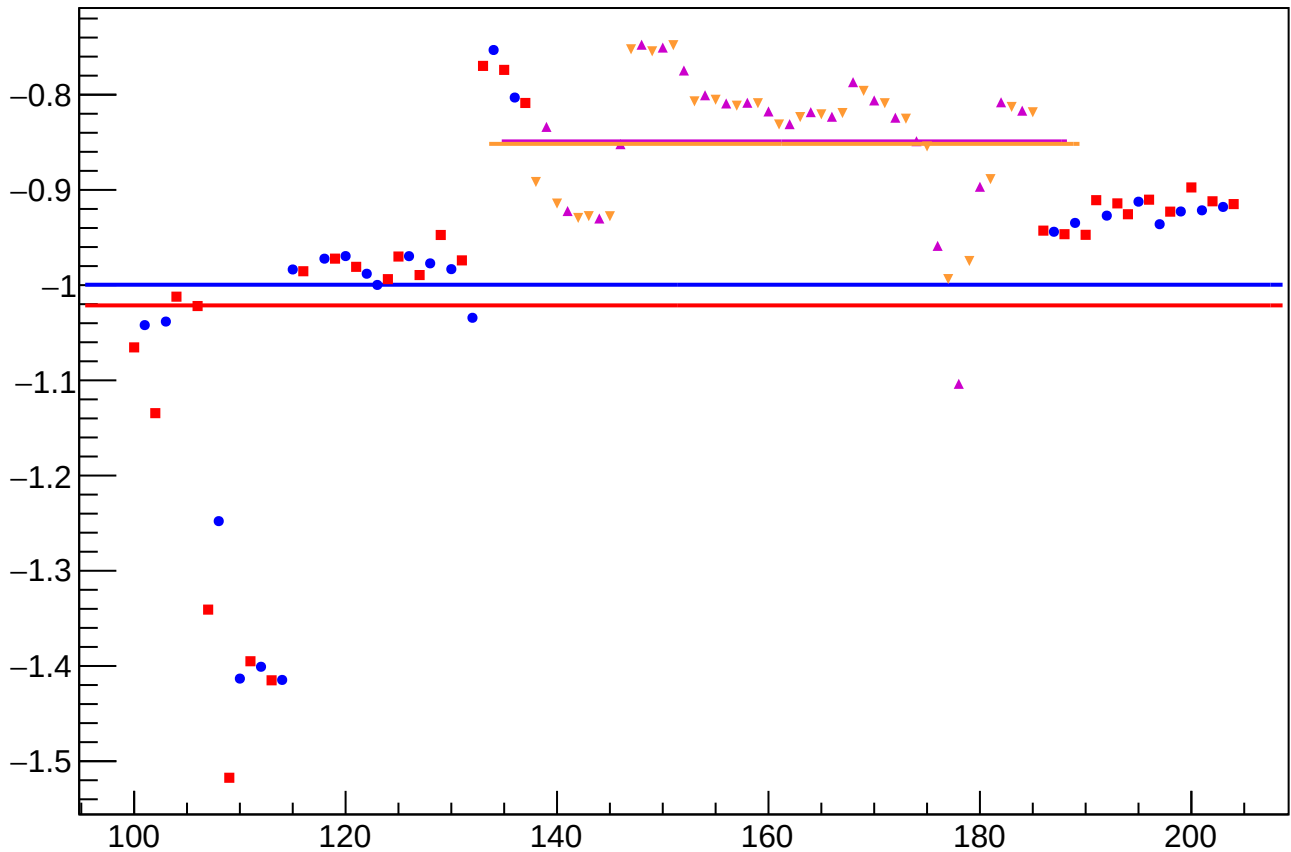
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2321879.3/49

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5048083.3/102

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2708955.5/52

yield_bpm4acX_mean vs Slug



Right In: -1.000 ± 0.000 $\chi^2/\text{NDF}: 400796473.5/24$

Left Out: -0.852 ± 0.000 $\chi^2/\text{NDF}: 189276591.7/24$

Right Out: -1.021 ± 0.000 $\chi^2/\text{NDF}: 554974677.3/29$

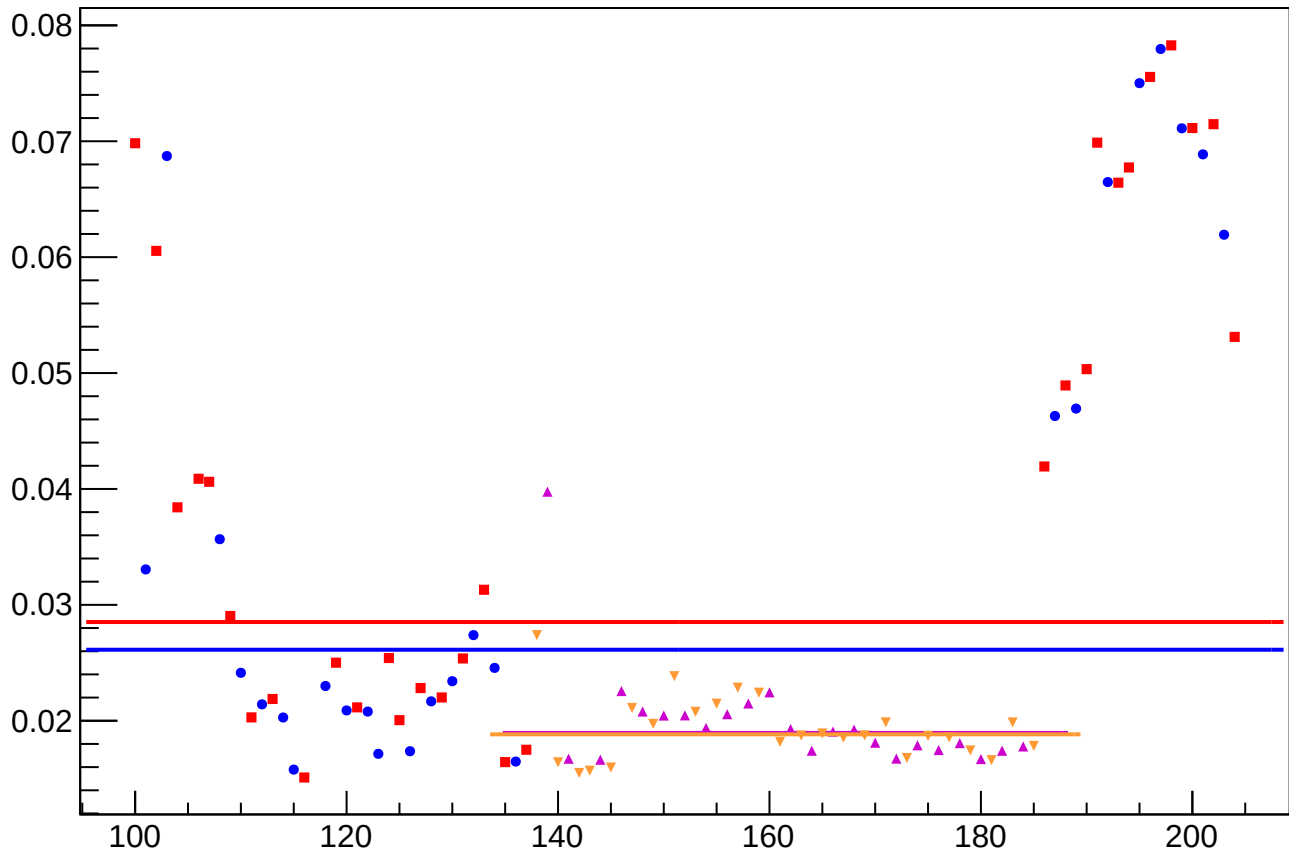
Left In: -0.849 ± 0.000 $\chi^2/\text{NDF}: 256438306.8/22$

+ sign -0.884 ± 0.000 $\chi^2/\text{NDF}: 793908669.1/49$

All: -0.887 ± 0.000 $\chi^2/\text{NDF}: 1878769383.2/1$

- sign -0.890 ± 0.000 $\chi^2/\text{NDF}: 1084196121.7/52$

yield_bpm4acX_rms vs Slug



Right In: 0.026+/-0.000 χ^2/NDF : 5395274.5/24

Left Out: 0.019+/-0.000 χ^2/NDF : 490084.5/24

Right Out: 0.029+/-0.000 χ^2/NDF : 5984076.0/29

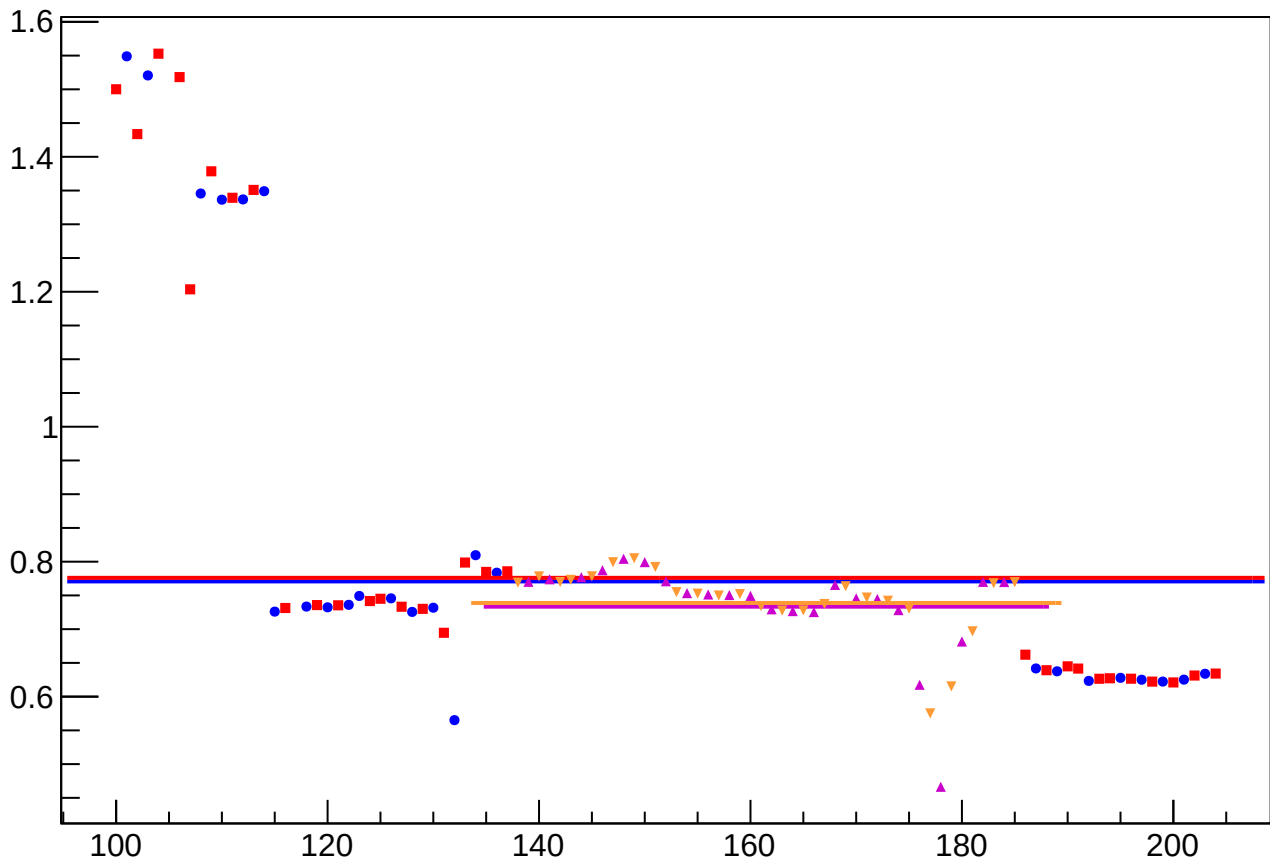
Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

+ sign 0.020+/-0.000 χ^2/NDF : 6877793.6/49

All: 0.021+/-0.000 χ^2/NDF : 15220418.4/102

- sign 0.021+/-0.000 χ^2/NDF : 8313152.8/52

yield_bpm4acY_mean vs Slug



Right In: 0.771 $\pm$ 0.000 χ^2 /NDF: 3315716894.6/24

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

+ sign 0.748 $\pm$ 0.000 χ^2 /NDF: 3685444840.7/49

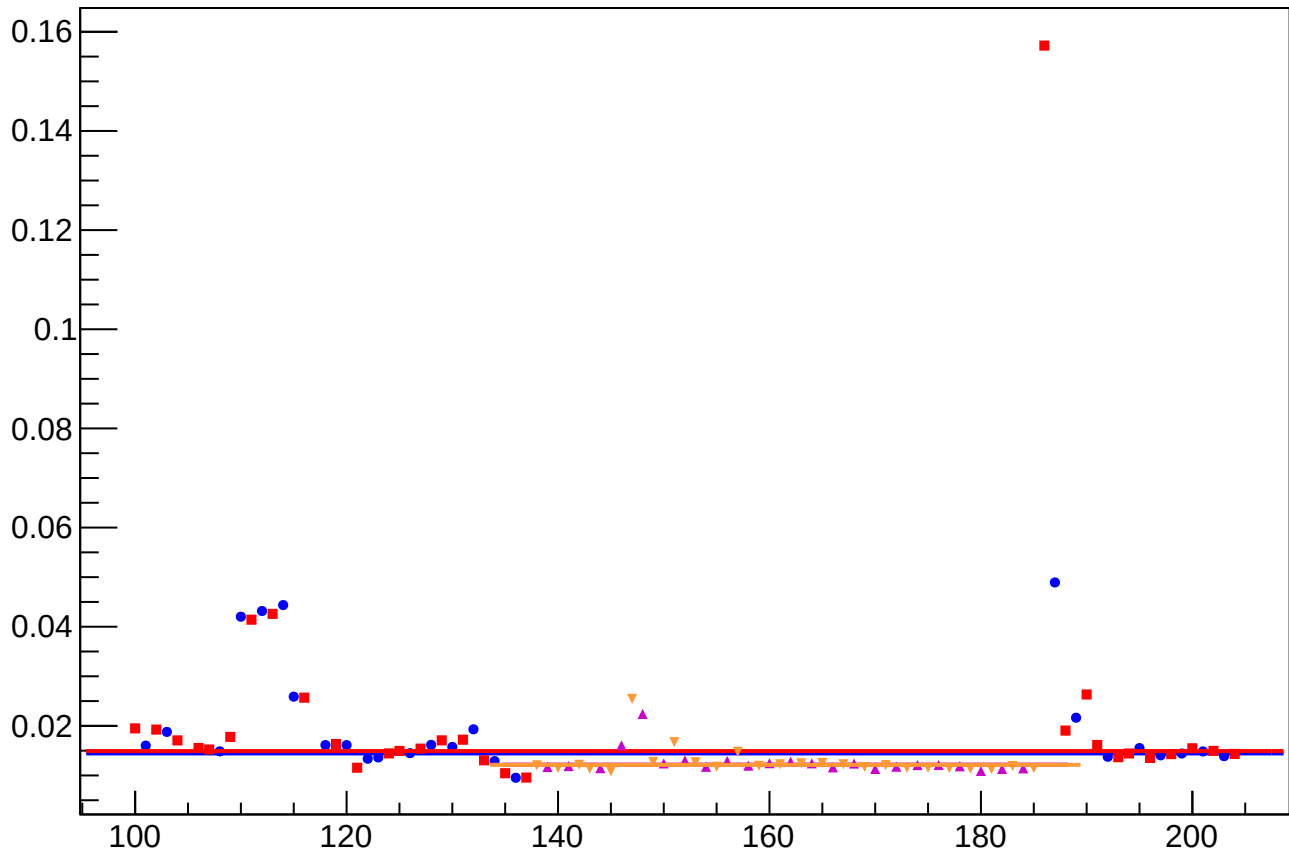
Right Out: 0.776 $\pm$ 0.000 χ^2 /NDF: 3681962782.6/29

All: 0.748 $\pm$ 0.000 χ^2 /NDF: 8005721202.3/10

- sign 0.747 $\pm$ 0.000 χ^2 /NDF: 4320190965.6/52

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1644508.7/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2078113.9/29

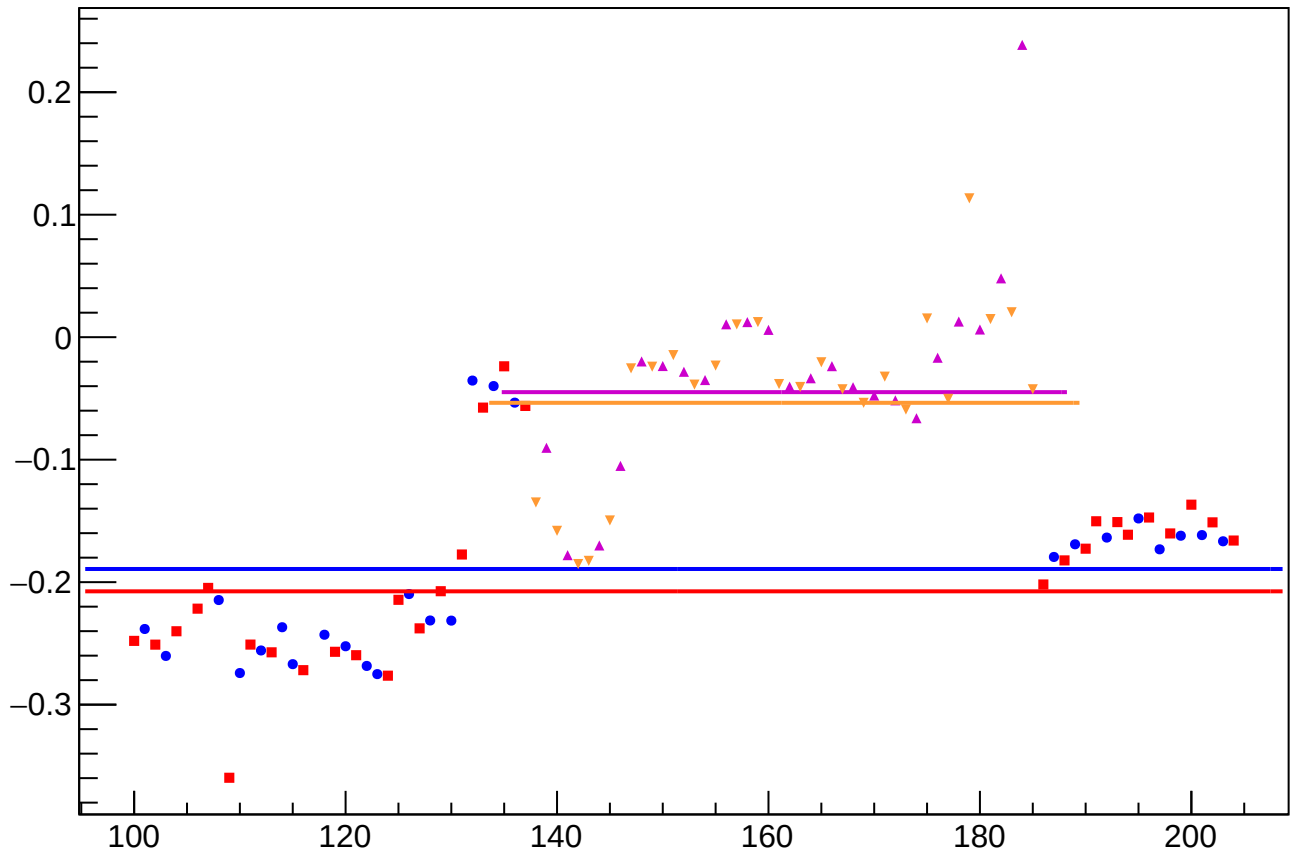
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2662427.5/49

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5788099.6/102

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3114393.2/52

yield_bpm4ecX_mean vs Slug



Right In: -0.189 ± 0.000 χ^2/NDF : 106843158.1/24

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.207 ± 0.000 χ^2/NDF : 113729247.2/29

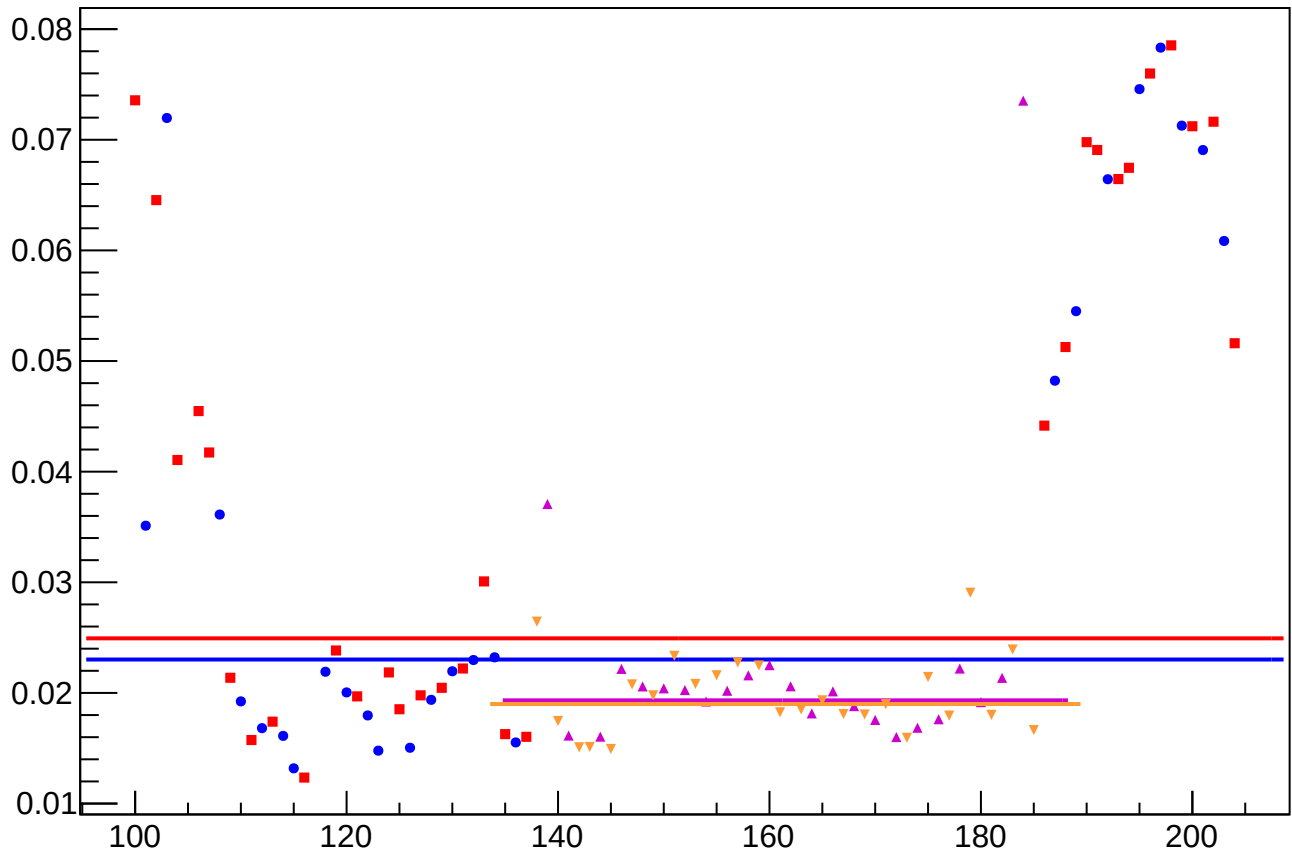
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.090 ± 0.000 χ^2/NDF : 472890724.7/49

All: -0.090 ± 0.000 χ^2/NDF : 993027840.7/10

- sign -0.091 ± 0.000 χ^2/NDF : 520093178.7/52

yield_bpm4ecX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 6241773.4/24

Left Out: 0.019+/-0.000 χ^2/NDF : 699267.5/24

Right Out: 0.025+/-0.000 χ^2/NDF : 7291278.1/29

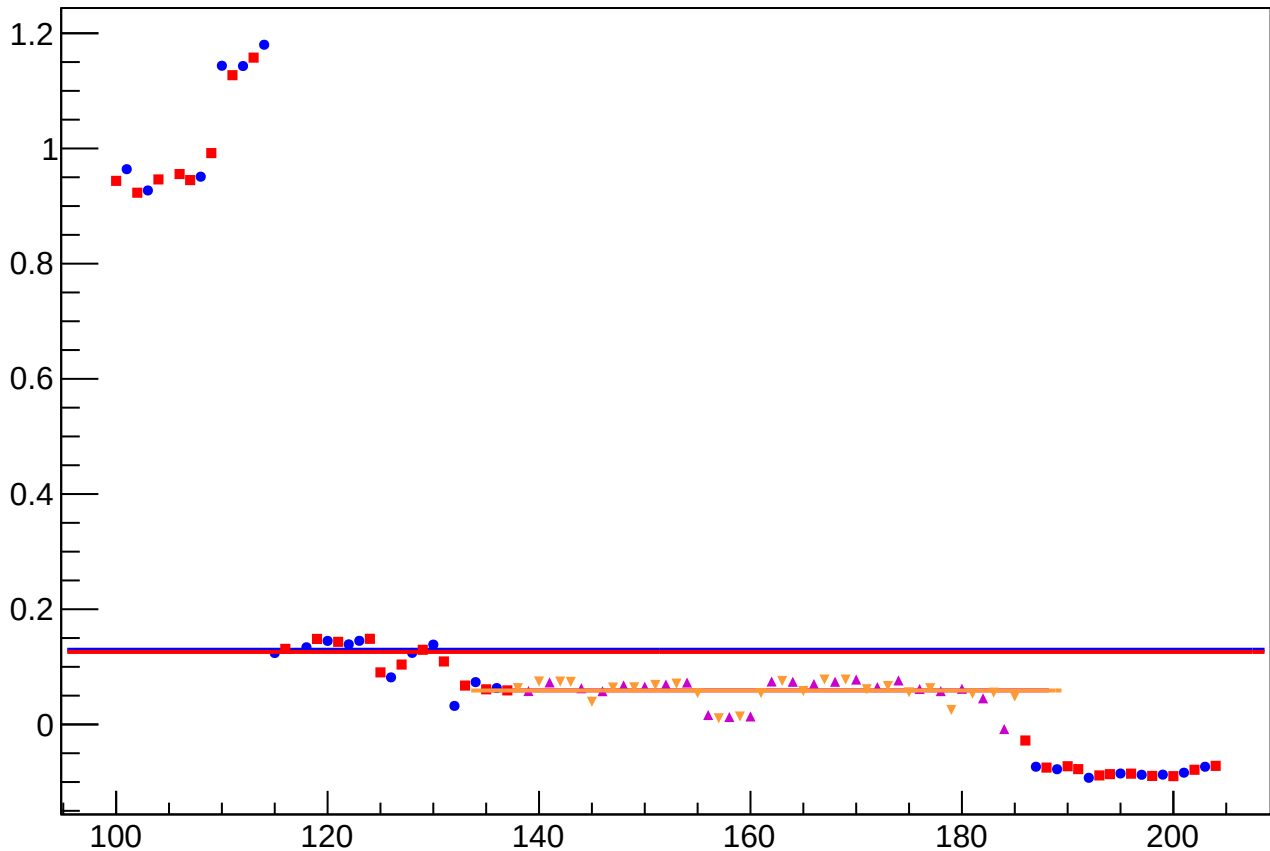
Left In: 0.019+/-0.000 χ^2/NDF : 892810.7/22

+ sign 0.020+/-0.000 χ^2/NDF : 7289698.5/49

All: 0.020+/-0.000 χ^2/NDF : 16175014.9/102

- sign 0.021+/-0.000 χ^2/NDF : 8846579.2/52

yield_bpm4ecY_mean vs Slug



Right In: 0.130 $\pm$ 0.000 χ^2 /NDF: 7695201125.7/24

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.126 $\pm$ 0.000 χ^2 /NDF: 8817932921.6/29

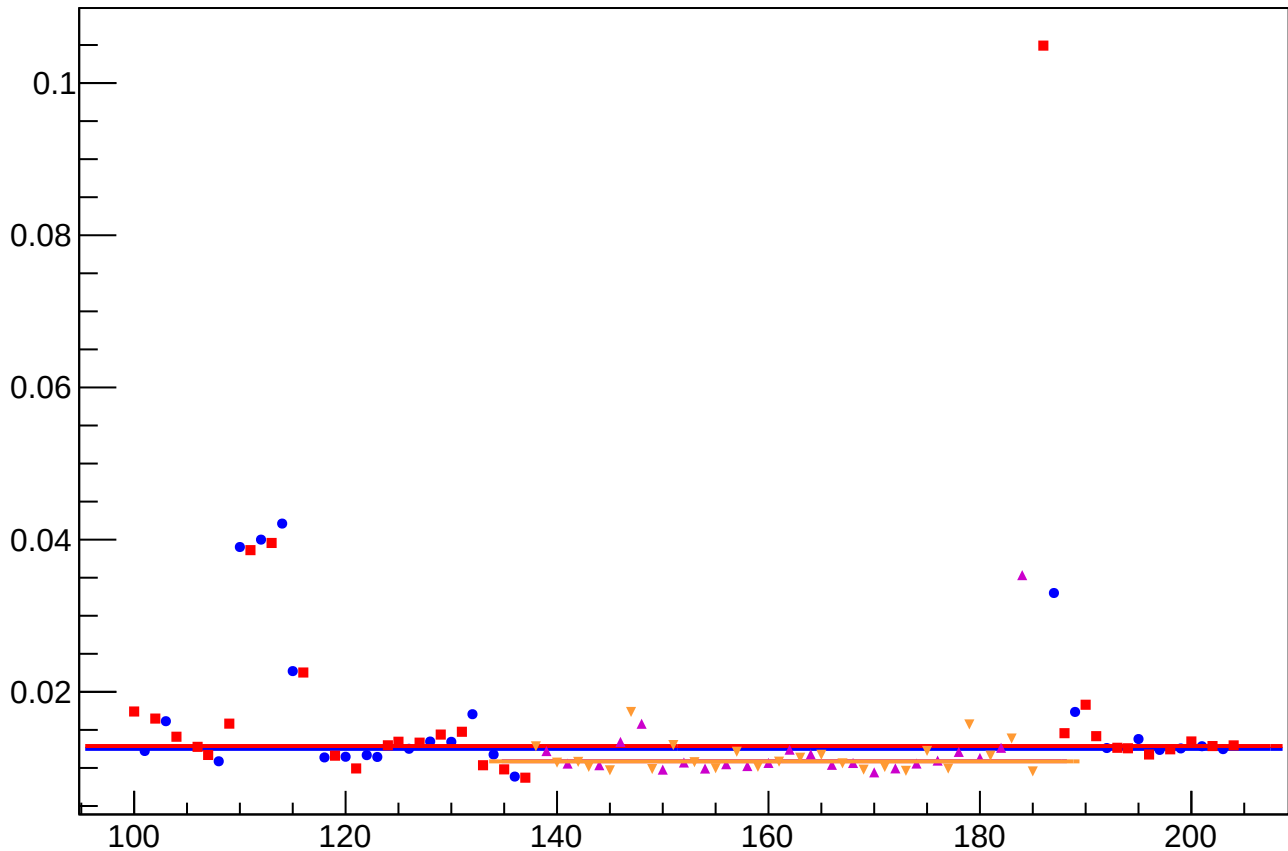
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.082 $\pm$ 0.000 χ^2 /NDF: 7975635149.1/49

All: 0.082 $\pm$ 0.000 χ^2 /NDF: 17067007702.1/100

- sign 0.083 $\pm$ 0.000 χ^2 /NDF: 9091281951.4/52

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1477135.4/24

Left Out: 0.011+/-0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1891196.5/29

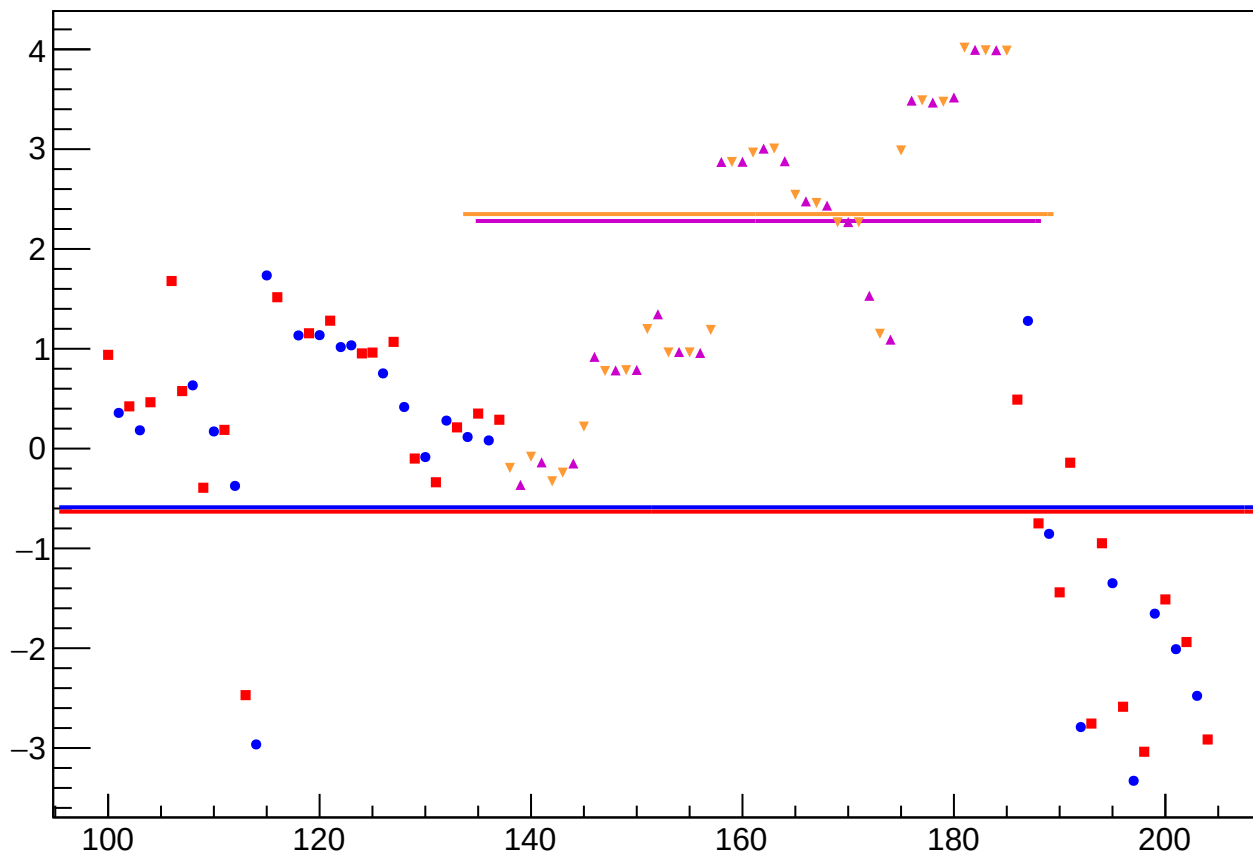
Left In: 0.011+/-0.000 χ^2/NDF : 529867.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 2334142.6/49

All: 0.011+/-0.000 χ^2/NDF : 5145053.7/102

- sign 0.012+/-0.000 χ^2/NDF : 2802643.8/52

yield_bpm1X_mean vs Slug



Right In: -0.588 ± 0.000 $\chi^2/\text{NDF}: 5572300161.9/24$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.632 ± 0.000 $\chi^2/\text{NDF}: 7052651478.7/29$

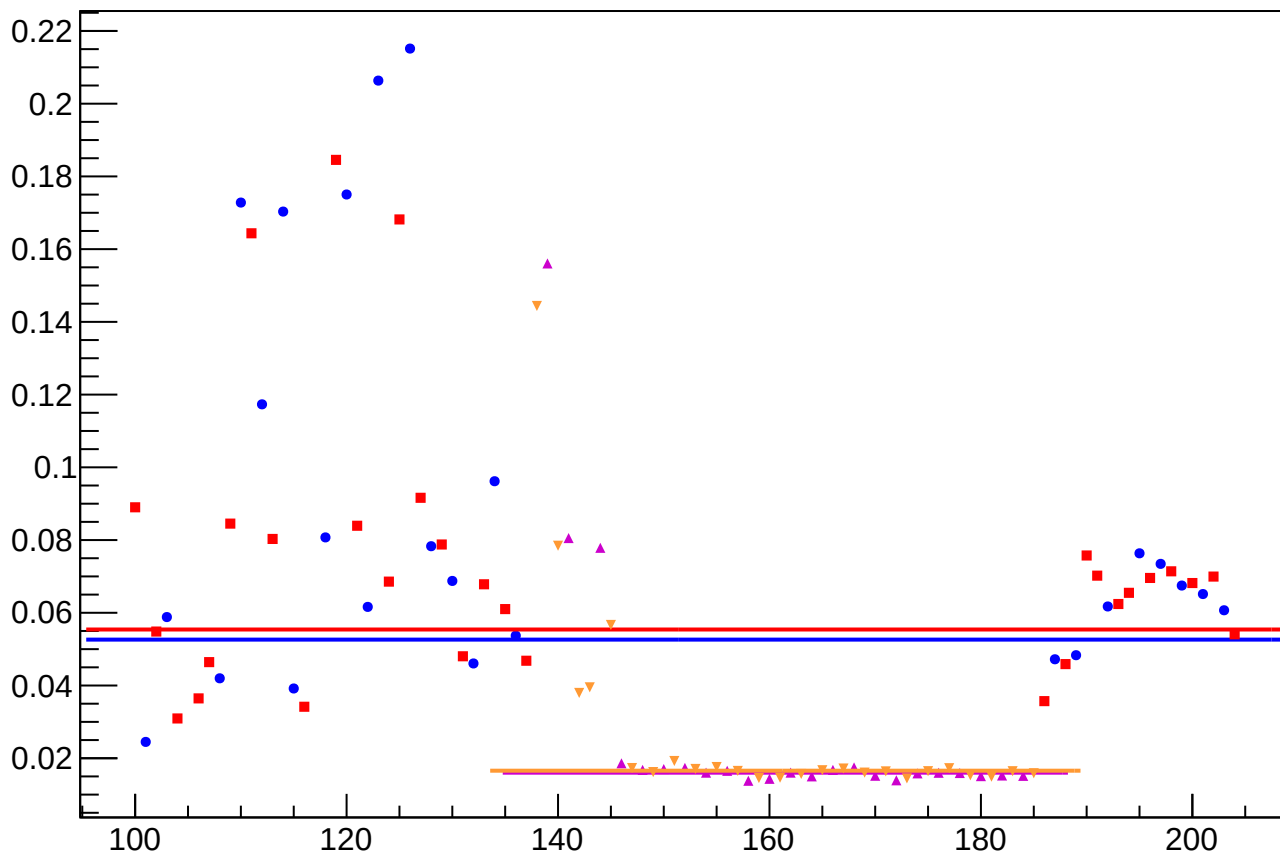
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.186 ± 0.000 $\chi^2/\text{NDF}: 93754700051.7/49$

All: 2.143 ± 0.000 $\chi^2/\text{NDF}: 189629300324.6$

- sign 2.101 ± 0.000 $\chi^2/\text{NDF}: 95678821018.3/52$

yield_bpm1X_rms vs Slug



Right In: 0.053 $\pm$ 0.000 χ^2 /NDF: 3458900.5/24

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2837195.4/29

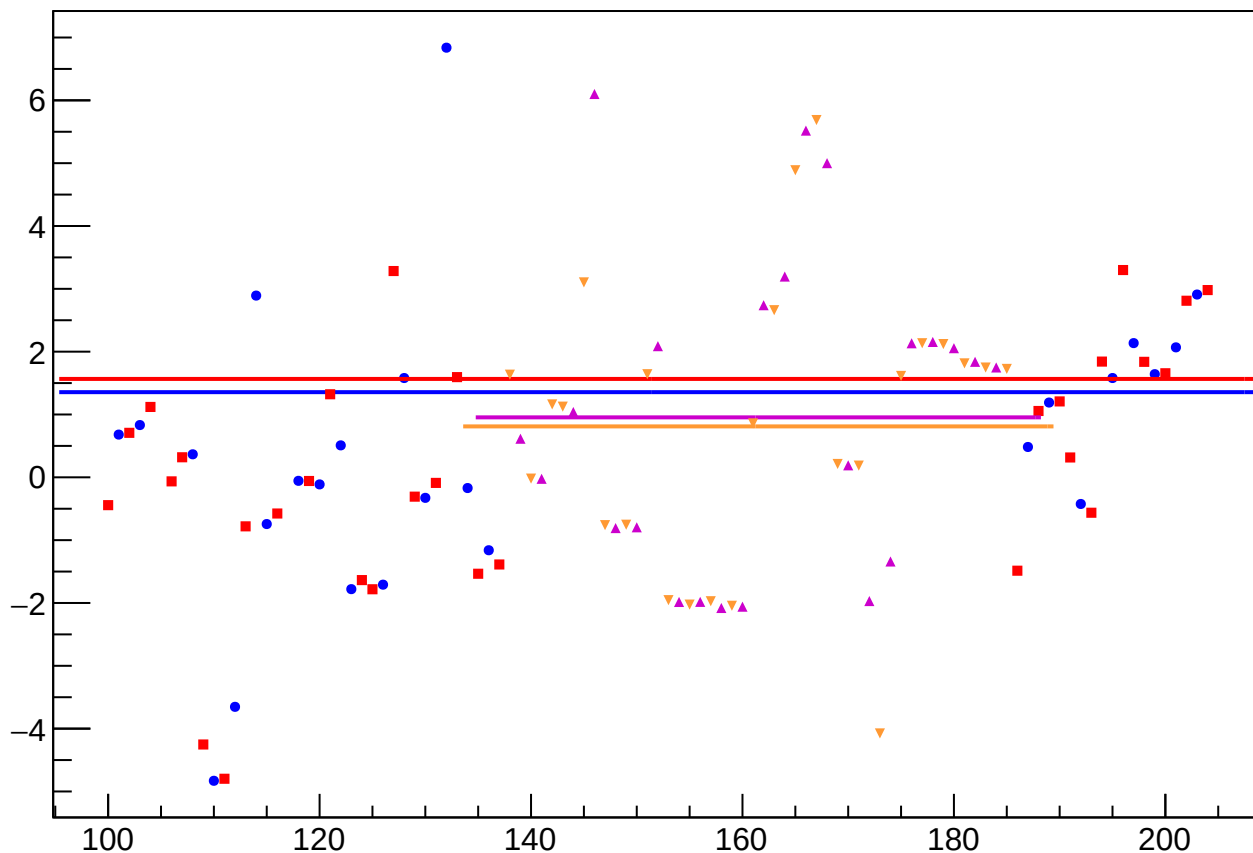
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 13485936.9/49

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 28725845.4/102

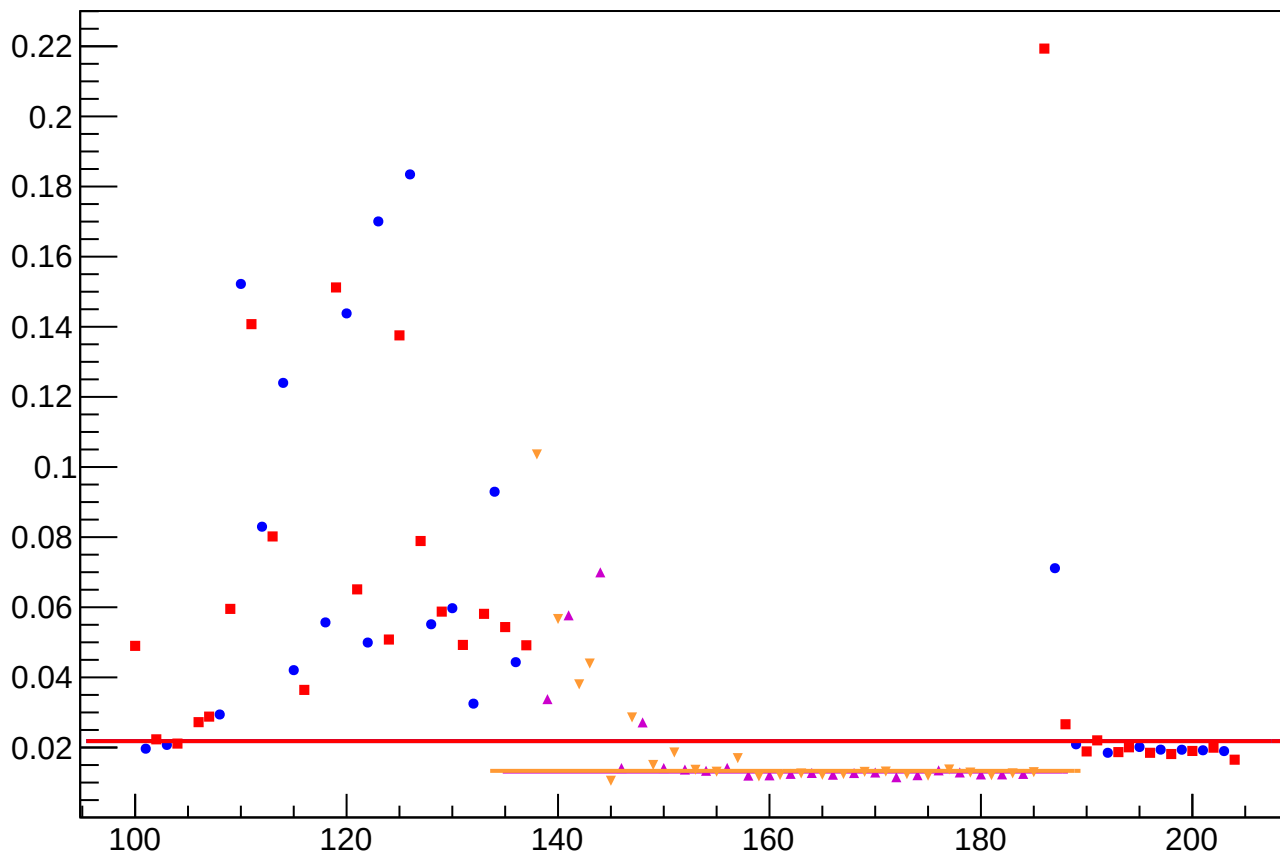
- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 15238879.2/52

yield_bpm1Y_mean vs Slug



Right In: 1.355+/-0.000	χ^2/NDF : 26255500102.2/24	+ sign 0.898+/-0.000	χ^2/NDF : 537889591712.8/49
Left Out: 0.810+/-0.000	χ^2/NDF : 507583198570.2/24	All: 0.983+/-0.000	χ^2/NDF : 1151412226405.
Right Out: 1.566+/-0.000	χ^2/NDF : 31445504250.1/29	- sign 1.066+/-0.000	χ^2/NDF : 612070563920.3/52
Left In: 0.954+/-0.000	χ^2/NDF : 574792794608.3/22		

yield_bpm1Y_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 3705923.9/24

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829070.5/24

Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 4918160.8/29

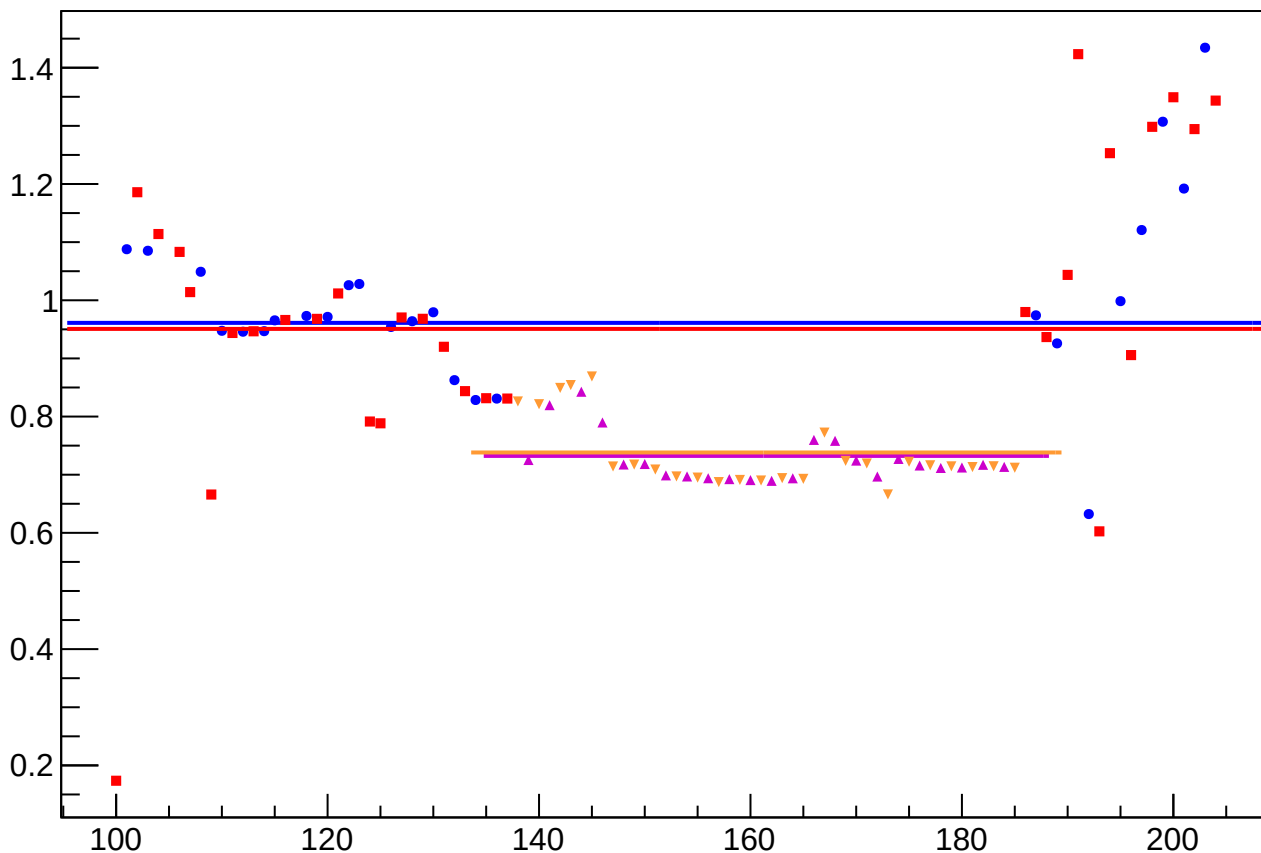
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 8503375.6/49

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 17739892.8/102

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 9236499.2/52

yield_bpm11X_mean vs Slug



Right In: 0.961 $\pm$ 0.000 χ^2 /NDF: 566152926.3/24

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310610047.7/24

Right Out: 0.951 $\pm$ 0.000 χ^2 /NDF: 995102043.3/29

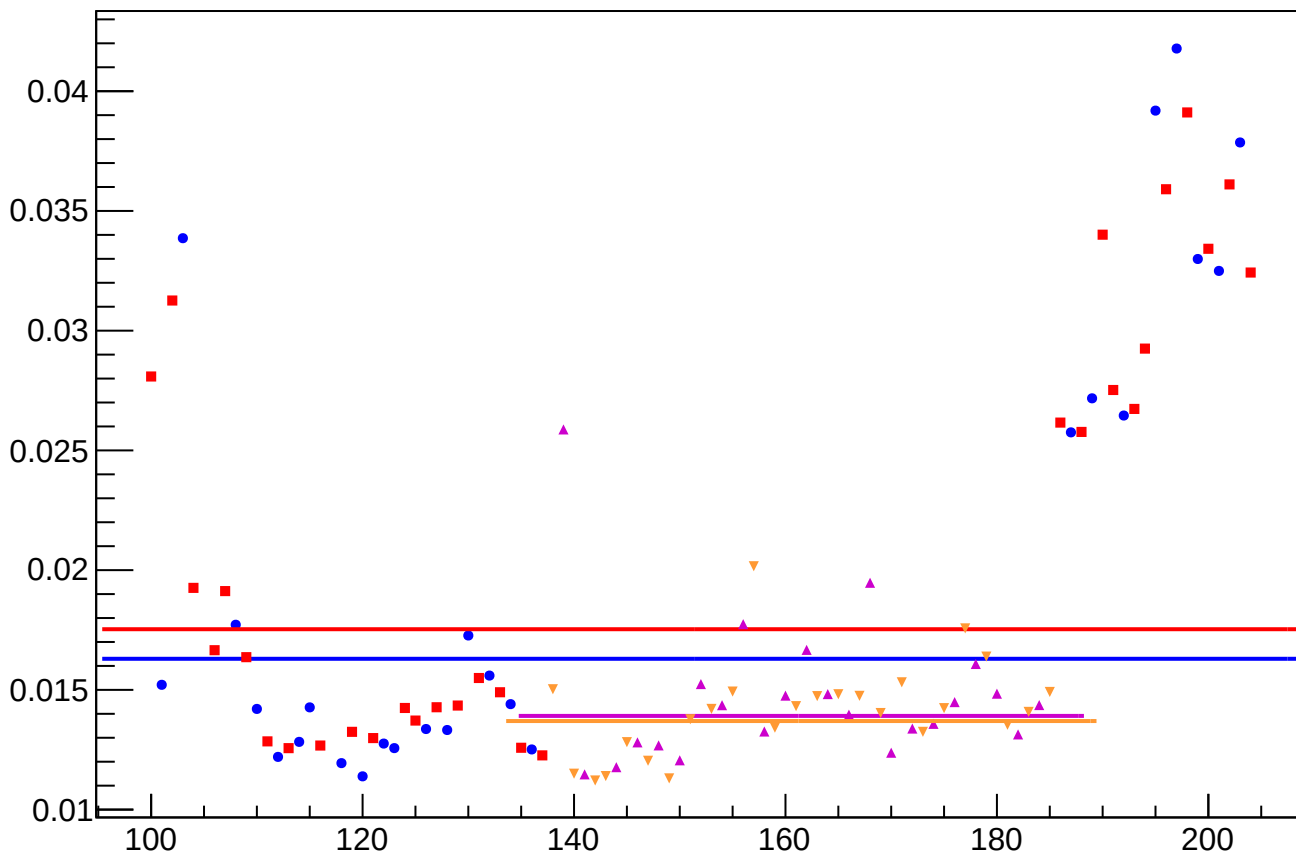
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF:170806298.1/22

+ sign 0.803 $\pm$ 0.000 χ^2 /NDF: 2118847997.7/49

All: 0.802 $\pm$ 0.000 χ^2 /NDF: 4479615590.3/10

- sign 0.800 $\pm$ 0.000 χ^2 /NDF: 2360452359.4/52

yield_bpm11X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 3636196.2/24

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 3709005.7/29

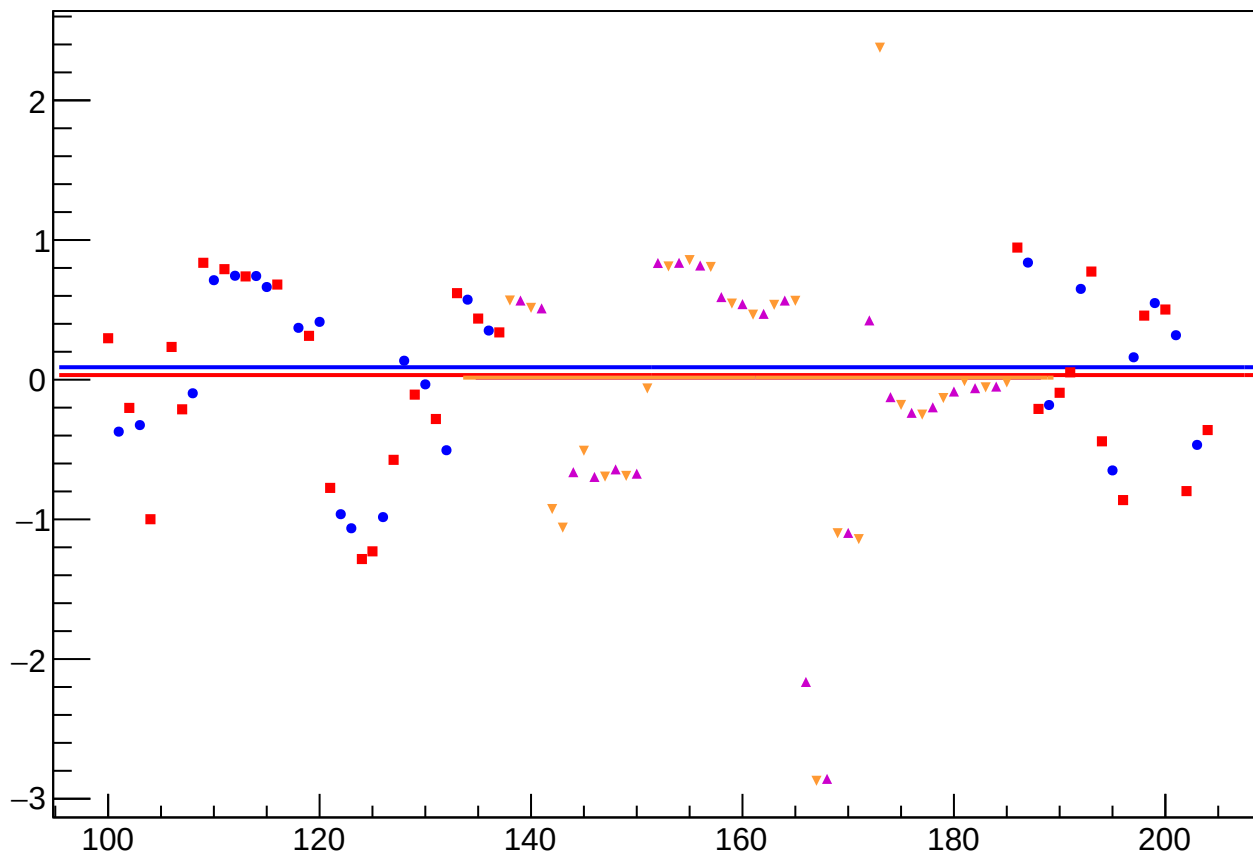
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 4504952.0/49

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 9706107.9/102

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 5159591.7/52

yield_bpm11Y_mean vs Slug



Right In: 0.089+/-0.000 χ^2/NDF : 15748205179.4/24

Left Out: 0.015+/-0.000 χ^2/NDF : 96087835995.8/24

Right Out: 0.033+/-0.000 χ^2/NDF : 28153369353.8/29

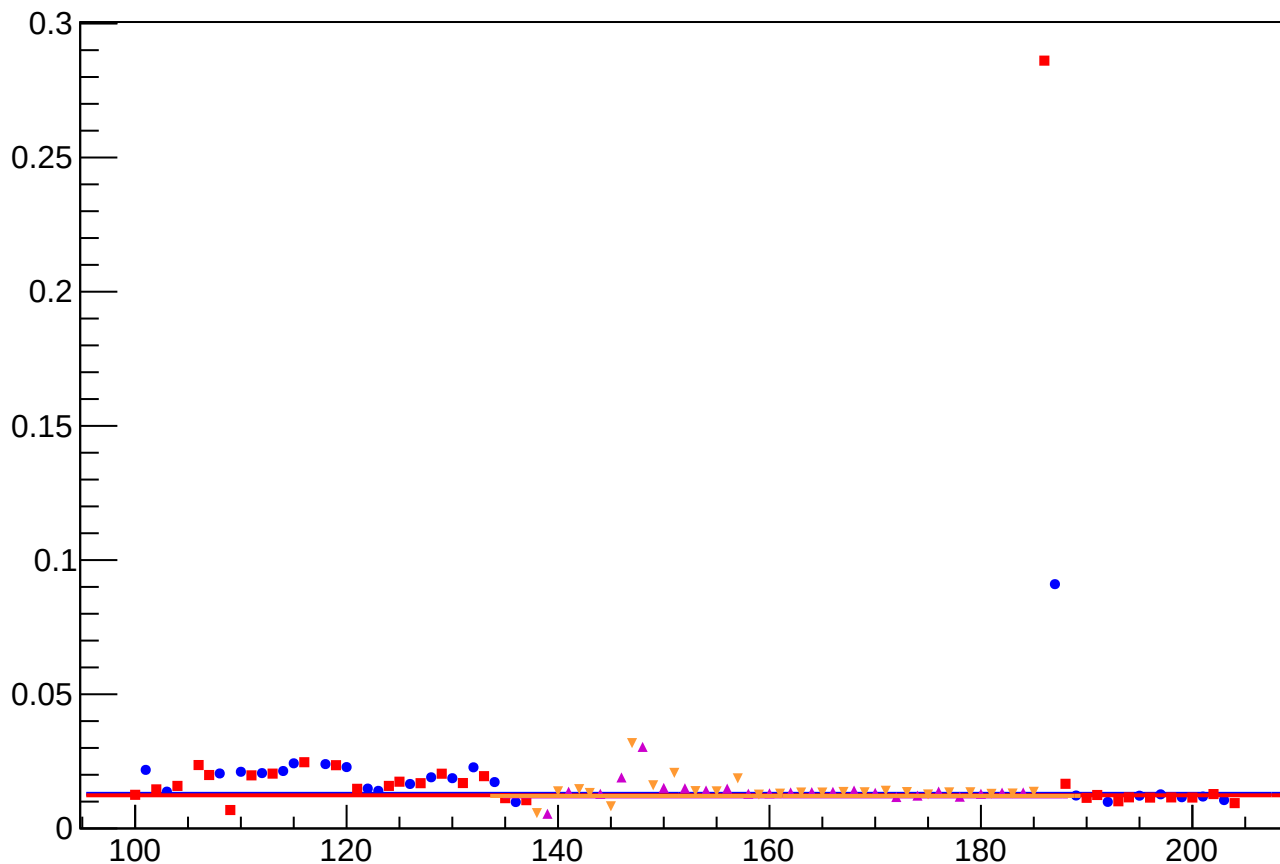
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.041+/-0.000 χ^2/NDF : 112053819146.6/49

All: 0.031+/-0.000 χ^2/NDF : 219706089472.3

- sign 0.021+/-0.000 χ^2/NDF : 107616817604.6/52

yield_bpm11Y_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1909272.9/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2657790.1/29

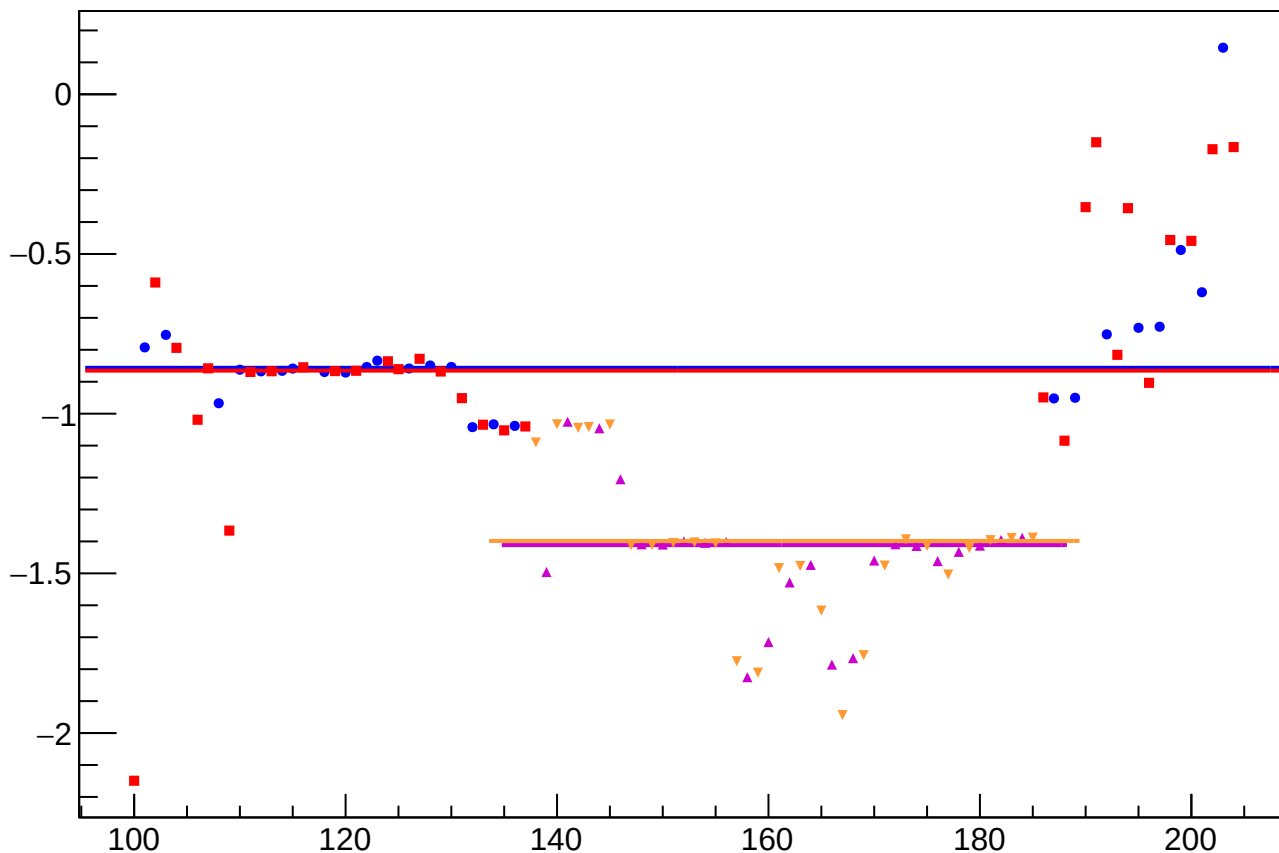
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5065166.5/49

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10860075.2/102

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5780069.0/52

yield_bpm12X_mean vs Slug



Right In: -0.856+/-0.000 χ^2/NDF : 168337313.6/24

Left Out: -1.398+/-0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.865+/-0.000 χ^2/NDF : 368233790.7/29

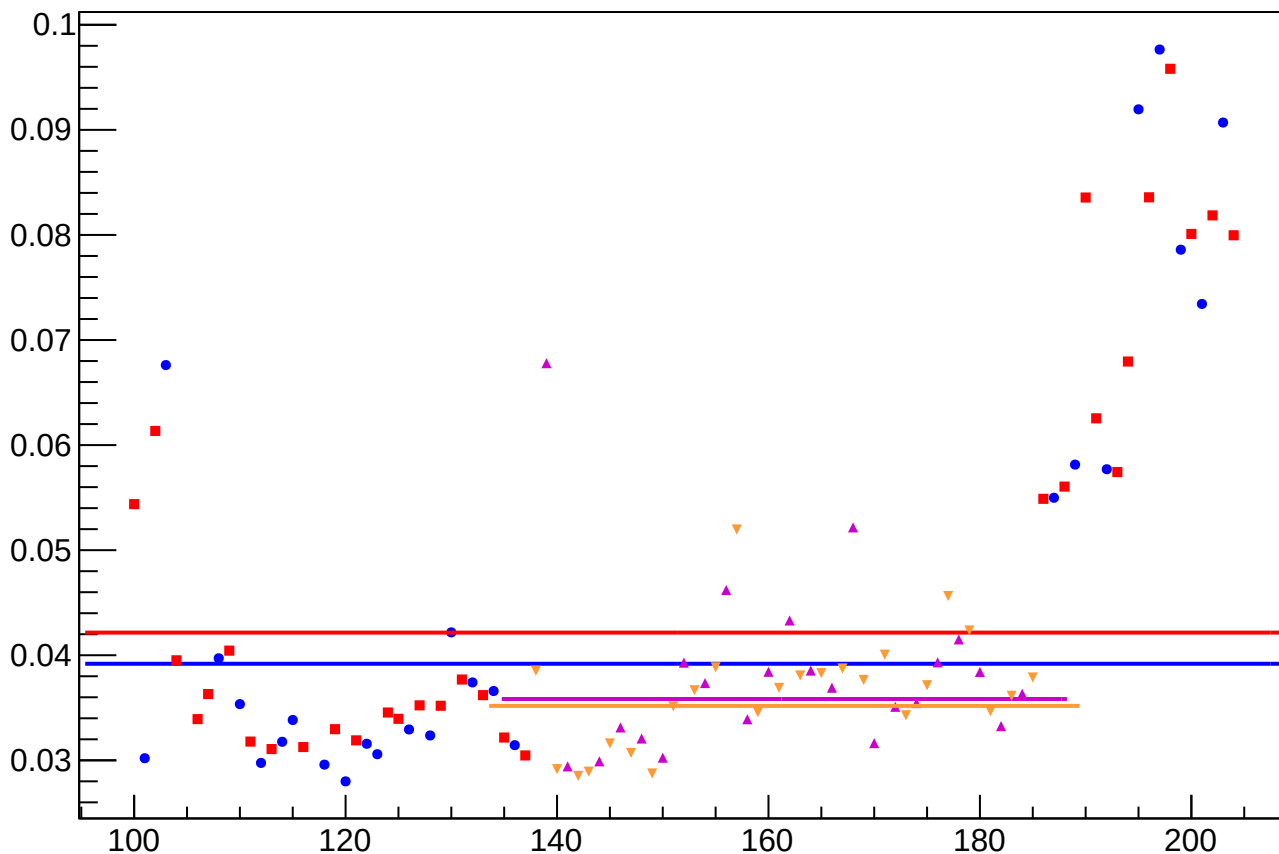
Left In: -1.412+/-0.000 χ^2/NDF : 512629872.4/22

+ sign -1.223+/-0.000 χ^2/NDF : 2137307055.1/49

All: -1.222+/-0.000 χ^2/NDF : 4264308479.8/1

- sign -1.221+/-0.000 χ^2/NDF : 2126963844.0/52

yield_bpm12X_rms vs Slug



Right In: 0.039 ± 0.000 χ^2/NDF : 3273015.5/24

Left Out: 0.035 ± 0.000 χ^2/NDF : 597886.0/24

Right Out: 0.042 ± 0.000 χ^2/NDF : 3207143.9/29

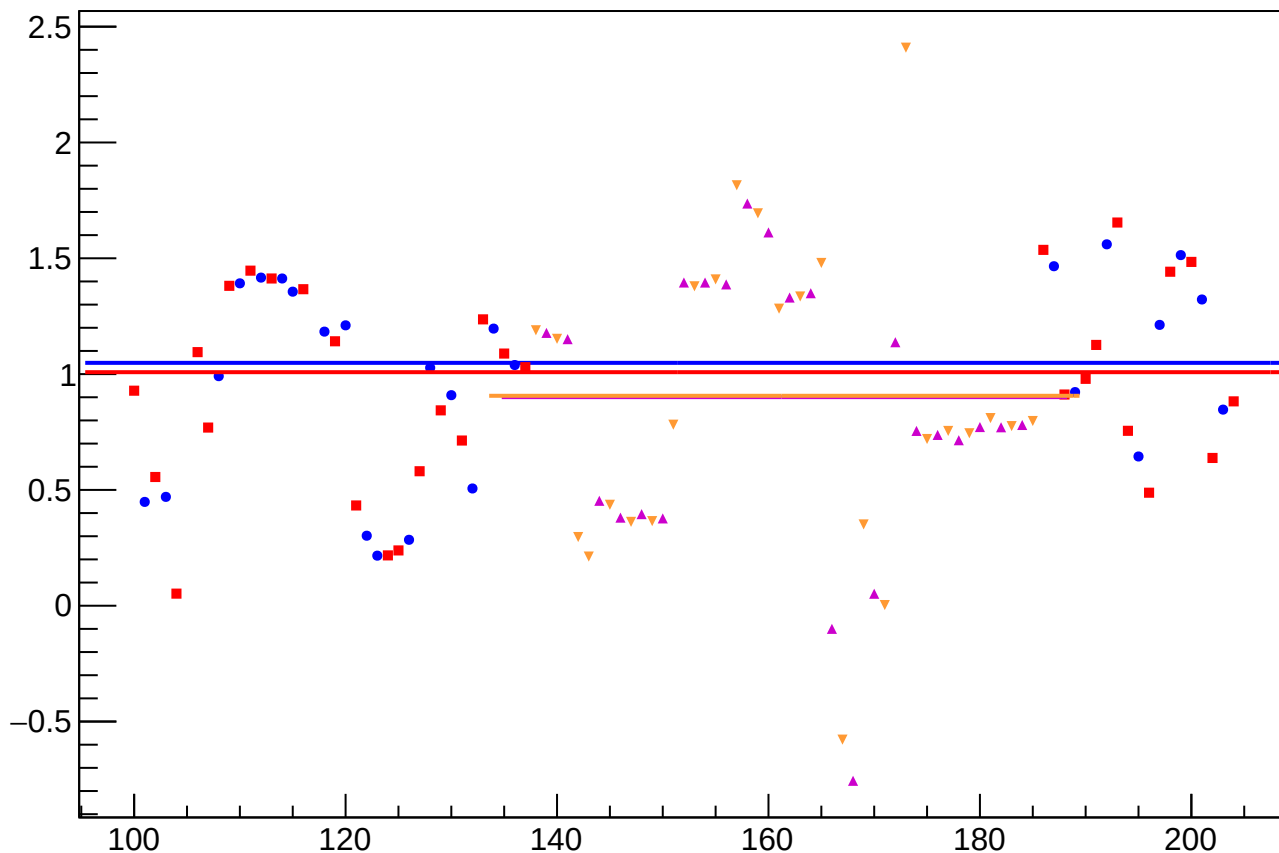
Left In: 0.036 ± 0.000 χ^2/NDF : 890993.5/22

+ sign 0.036 ± 0.000 χ^2/NDF : 4005899.7/49

All: 0.037 ± 0.000 χ^2/NDF : 8483163.3/102

- sign 0.038 ± 0.000 χ^2/NDF : 4431442.4/52

yield_bpm12Y_mean vs Slug



Right In: 1.049 $\pm$ 0.000 χ^2 /NDF: 18945672541.0/24

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 1.008 $\pm$ 0.000 χ^2 /NDF: 25333357631.8/29

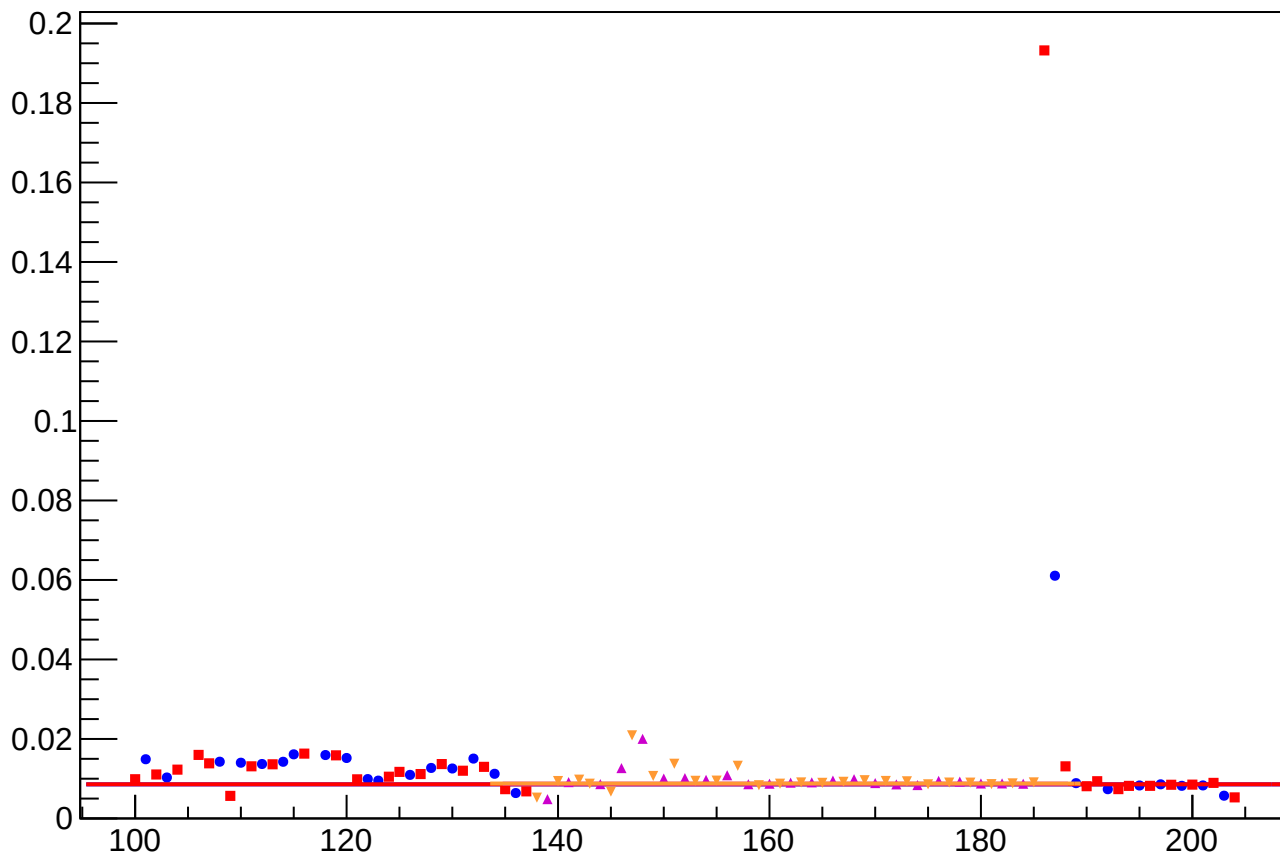
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.961 $\pm$ 0.000 χ^2 /NDF: 104769723550.1/49

All: 0.954 $\pm$ 0.000 χ^2 /NDF: 198110811622.4

- sign 0.947 $\pm$ 0.000 χ^2 /NDF: 93302776576.6/52

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2132231.5/24

Left Out: 0.009+/-0.000 χ^2/NDF : 1698526.2/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2795965.3/29

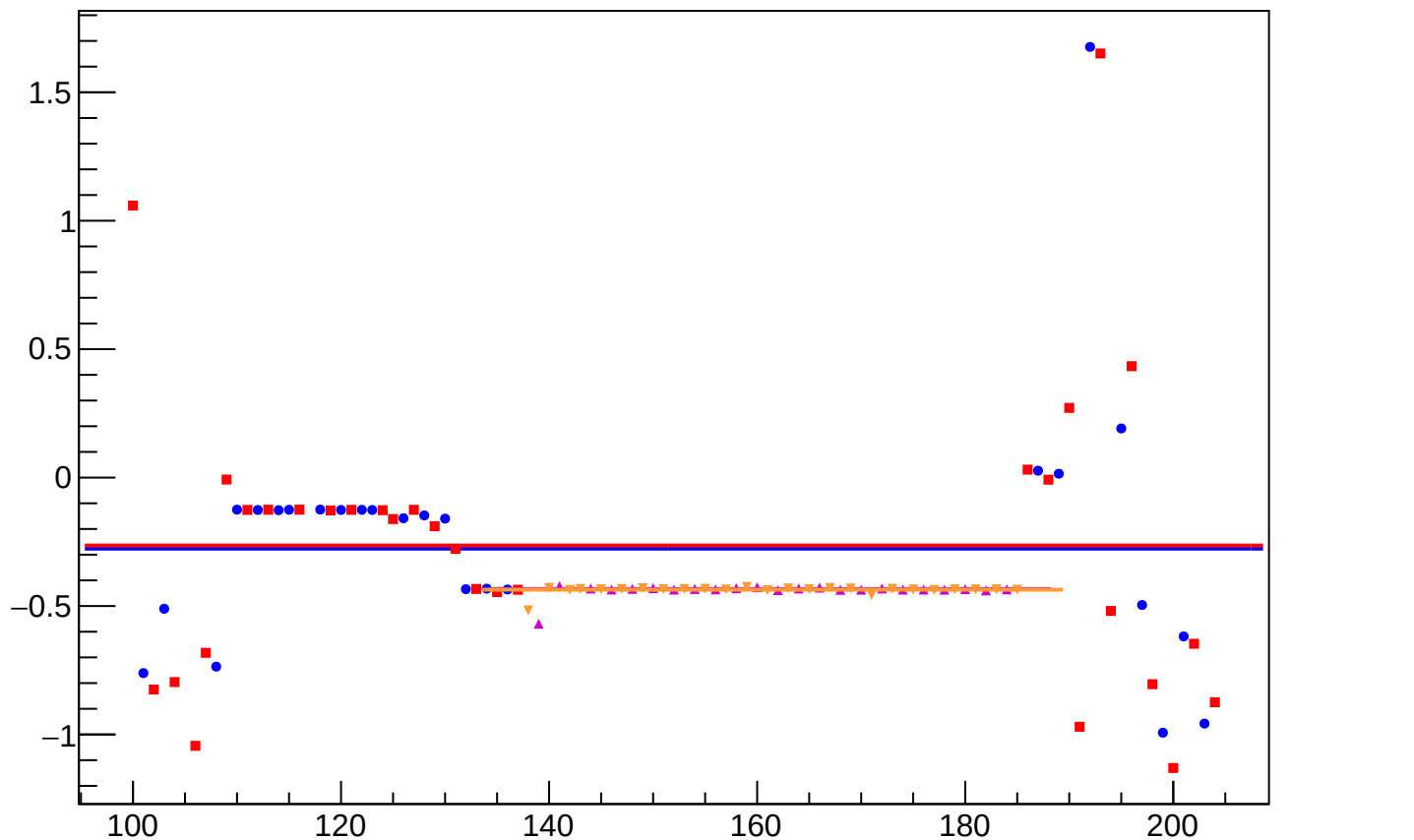
Left In: 0.009+/-0.000 χ^2/NDF : 1669983.7/22

+ sign 0.009+/-0.000 χ^2/NDF : 3838540.3/49

All: 0.009+/-0.000 χ^2/NDF : 8308120.1/102

- sign 0.009+/-0.000 χ^2/NDF : 4469358.0/52

yield_bpm16X_mean vs Slug



Right In: -0.276 ± 0.000 $\chi^2/\text{NDF}: 2131298257.4/24$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28776503.9/24$

Right Out: -0.265 ± 0.000 $\chi^2/\text{NDF}: 2155928926.4/29$

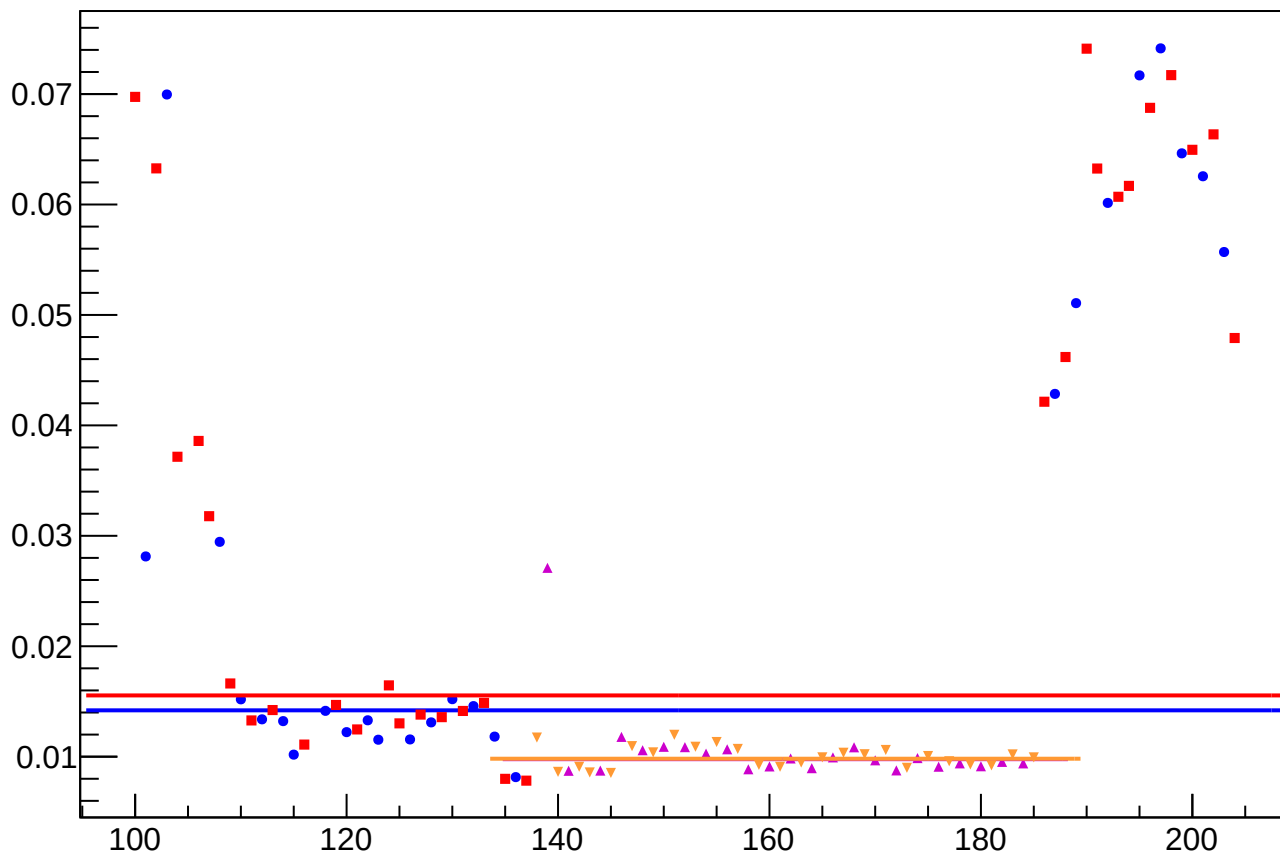
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20164730.3/22$

+ sign -0.409 ± 0.000 $\chi^2/\text{NDF}: 2858348397.4/49$

All: -0.407 ± 0.000 $\chi^2/\text{NDF}: 5791125071.7/1$

- sign -0.405 ± 0.000 $\chi^2/\text{NDF}: 2930952728.8/52$

yield_bpm16X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 8235026.4/24

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 271172.3/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 9828554.4/29

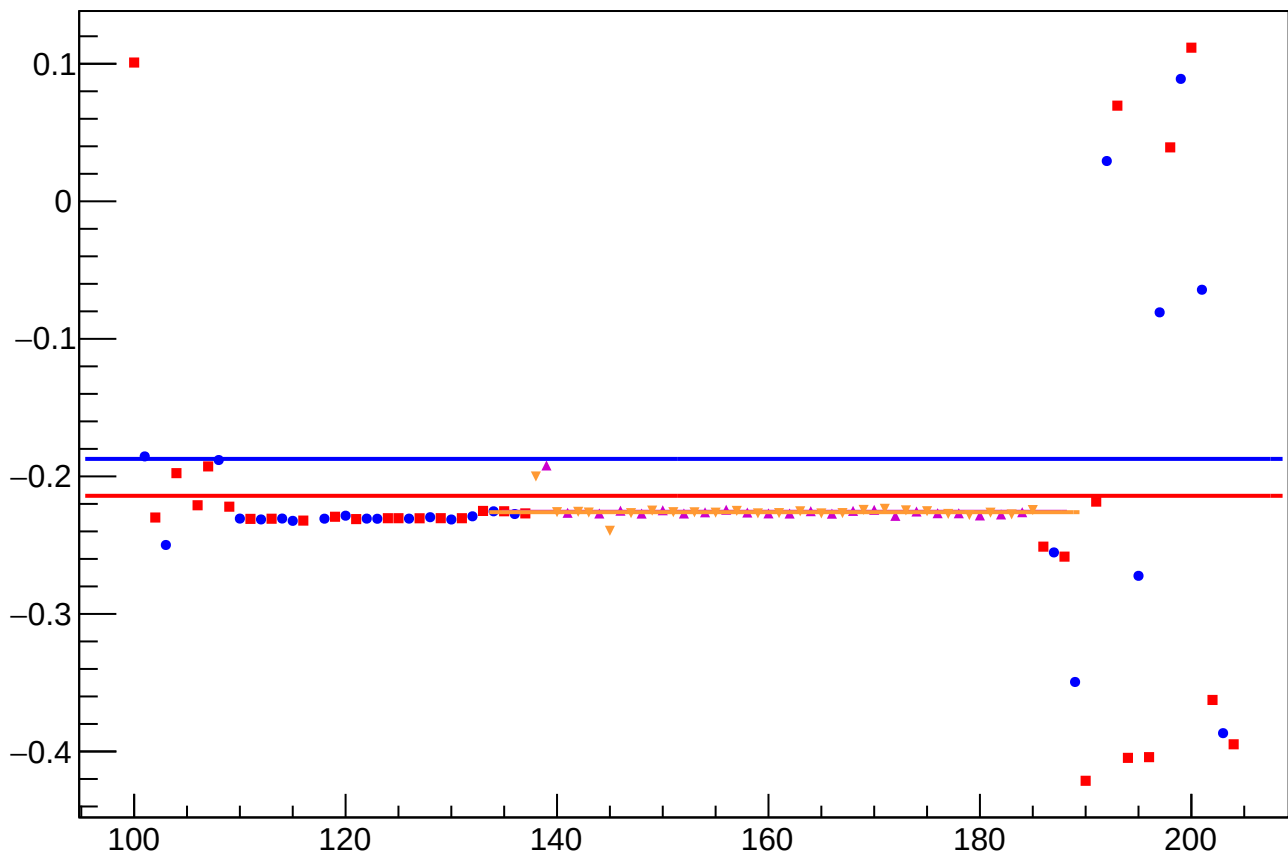
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 786577.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 9556617.2/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 21935419.7/102

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 12370318.8/52

yield_bpm16Y_mean vs Slug



Right In: -0.187+/-0.000 χ^2/NDF : 5299441278.7/24

Left Out: -0.226+/-0.000 χ^2/NDF : 21207366.3/24

Right Out: -0.214+/-0.000 χ^2/NDF : 8458087722.1/29

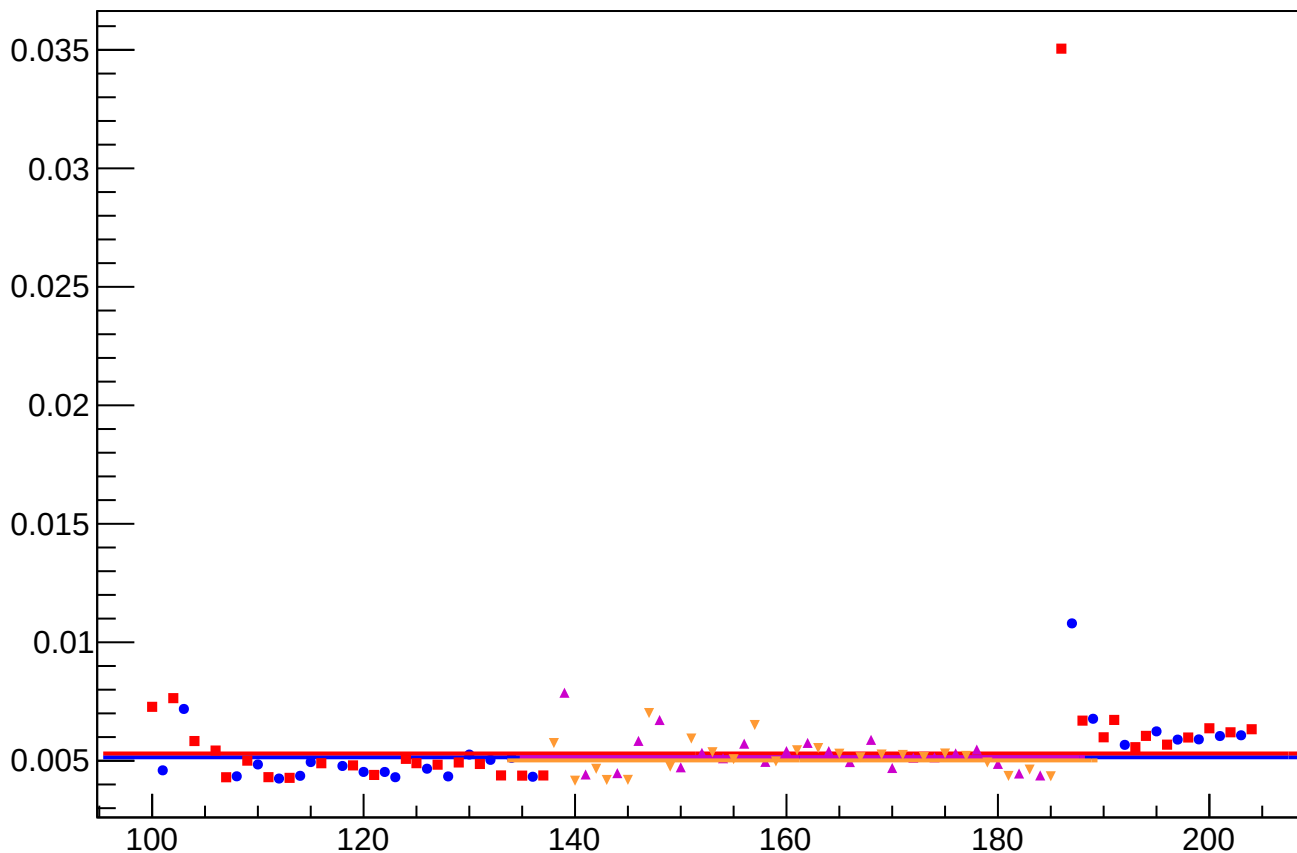
Left In: -0.226+/-0.000 χ^2/NDF : 13717302.5/22

+ sign -0.211+/-0.000 χ^2/NDF : 5708073623.1/49

All: -0.216+/-0.000 χ^2/NDF : 14262955408.2/100

- sign -0.221+/-0.000 χ^2/NDF : 8506945916.4/52

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 601953.9/24

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1168203.0/29

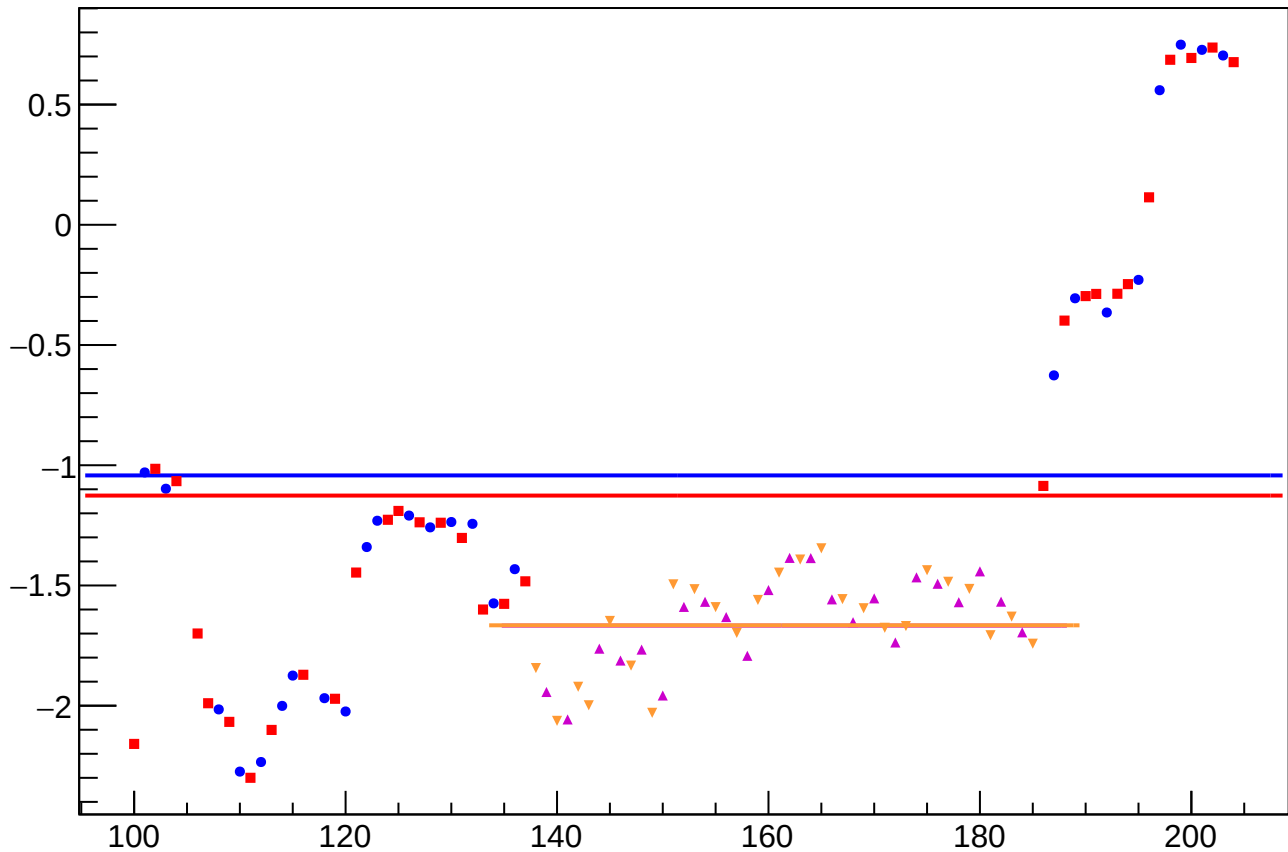
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1143535.2/49

All: 0.005+/-0.000 χ^2/NDF : 2853288.3/102

- sign 0.005+/-0.000 χ^2/NDF : 1685225.0/52

yield_bpm0l01X_mean vs Slug



Right In: -1.042+/-0.000 χ^2/NDF : 143487994168.4/24

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.126+/-0.000 χ^2/NDF : 177744312026.9/29

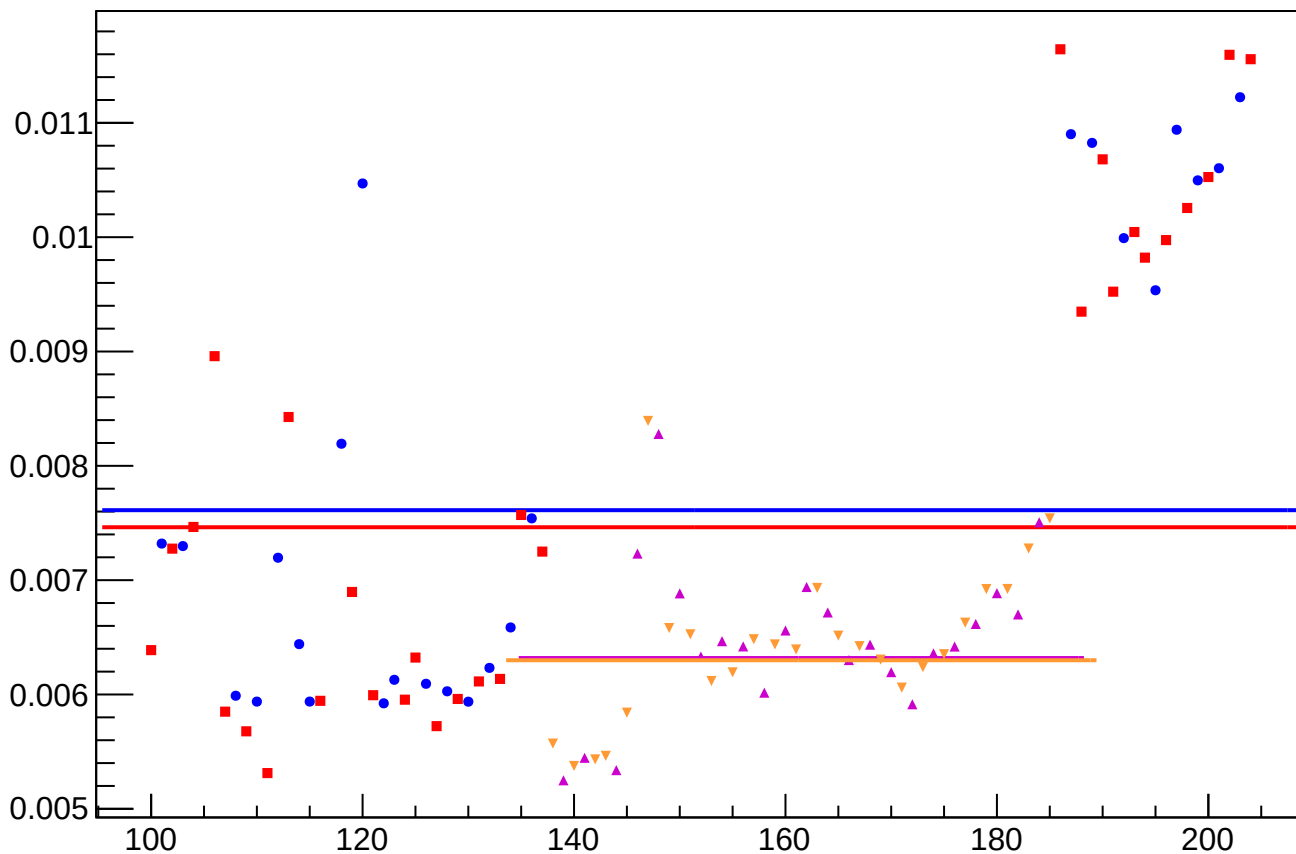
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.480+/-0.000 χ^2/NDF : 212971185875.6/49

All: -1.477+/-0.000 χ^2/NDF : 448400884514.0

- sign -1.474+/-0.000 χ^2/NDF : 235419910447.1/52

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1284493.9/24

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 1722067.4/29

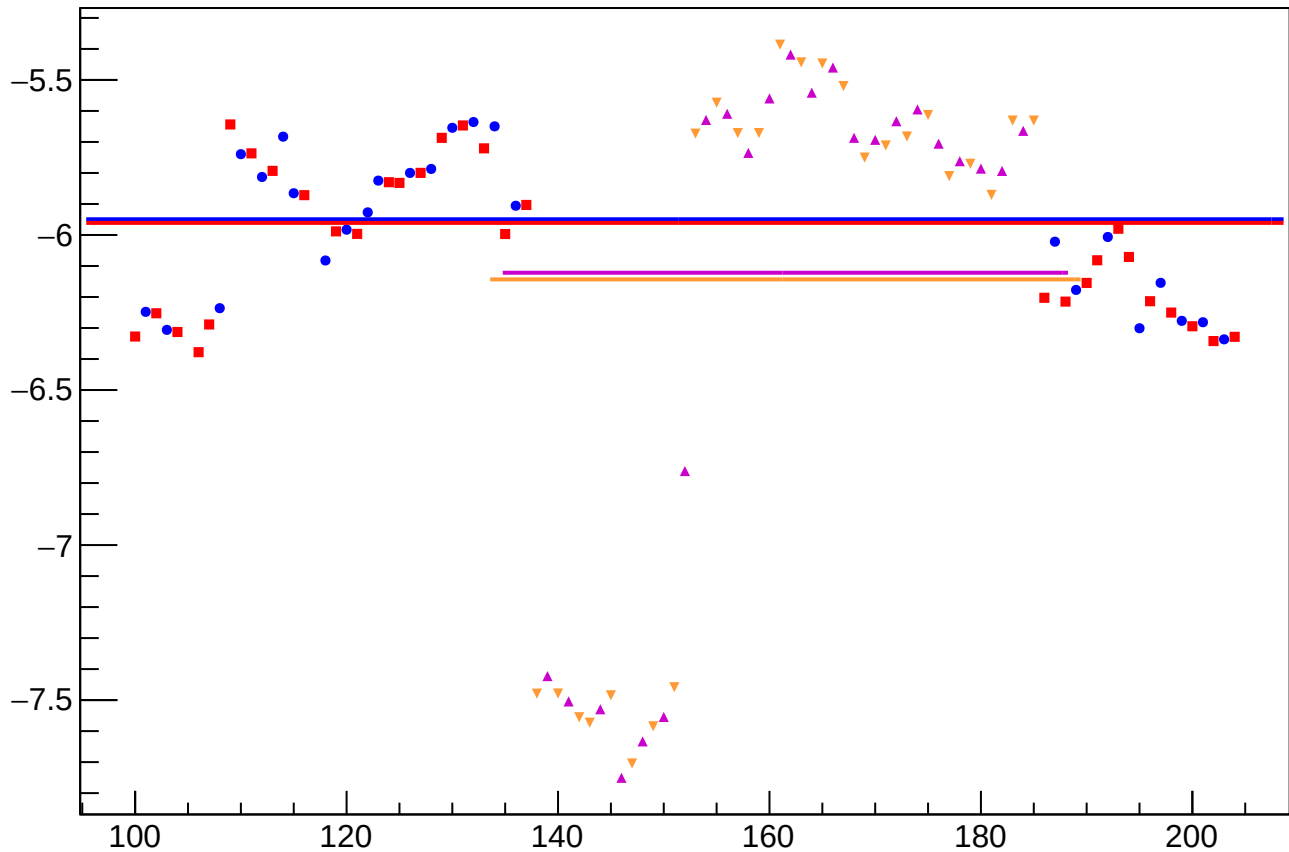
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 2050631.7/49

All: 0.007+/-0.000 χ^2/NDF : 4493292.8/102

- sign 0.007+/-0.000 χ^2/NDF : 2441859.4/52

yield_bpm0l01Y_mean vs Slug



Right In: -5.949+/-0.000 χ^2/NDF : 13884911764.2/24

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.961+/-0.000 χ^2/NDF : 15797814150.6/29

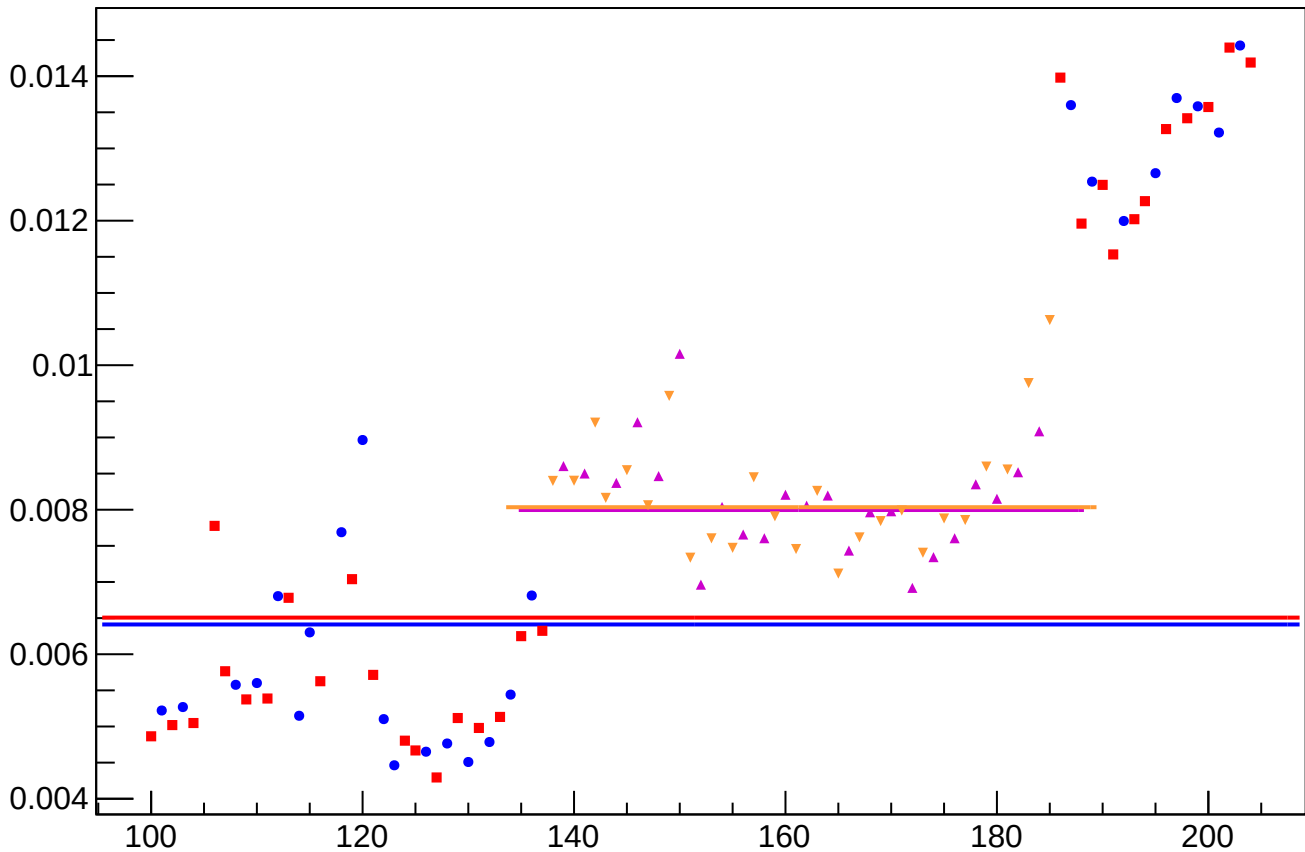
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.051+/-0.000 χ^2/NDF : 204201773369.9/49

All: -6.045+/-0.000 χ^2/NDF : 383256382453.8

- sign -6.039+/-0.000 χ^2/NDF : 179016846398.6/52

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 3566692.4/24

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4254120.7/29

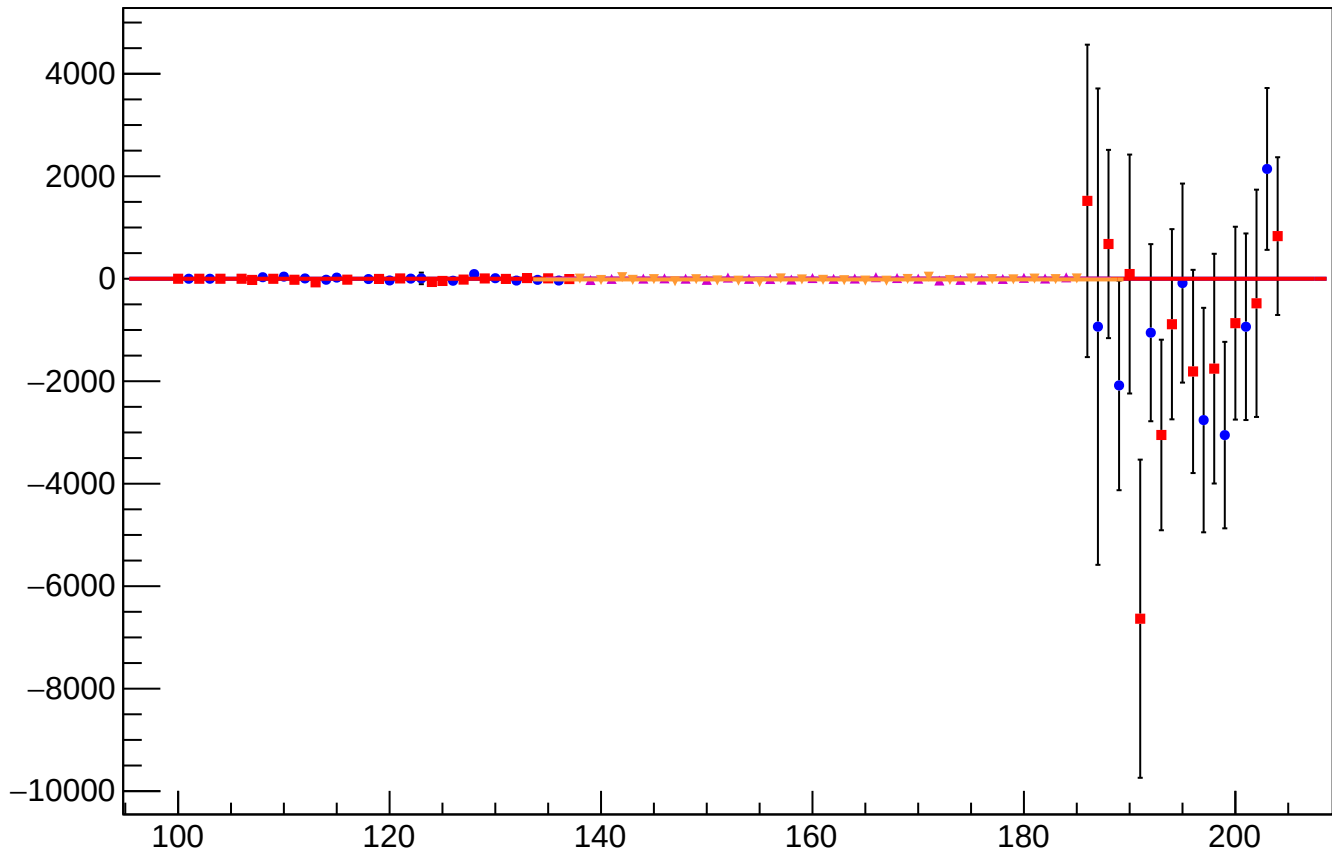
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 4415873.5/49

All: 0.007+/-0.000 χ^2/NDF : 9458681.4/102

- sign 0.007+/-0.000 χ^2/NDF : 5042174.7/52

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 24.2/24

Left Out: -13.472 ± 2.796 χ^2/NDF : 58.5/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 24.8/29

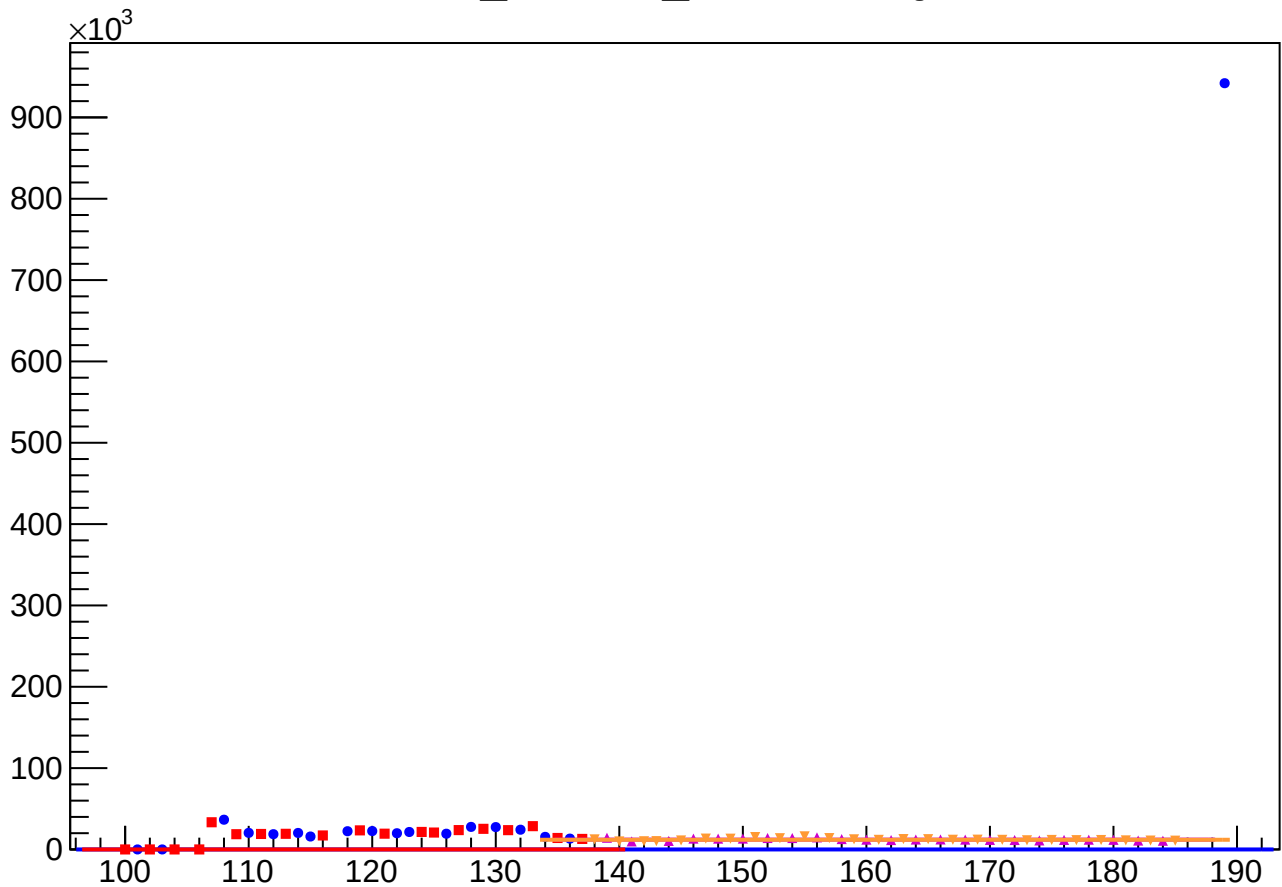
Left In: -0.489 ± 2.905 χ^2/NDF : 28.7/22

+ sign 0.013 ± 0.017 χ^2/NDF : 106.0/49

All: 0.008 ± 0.012 χ^2/NDF : 159.7/102

- sign 0.003 ± 0.016 χ^2/NDF : 53.5/52

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

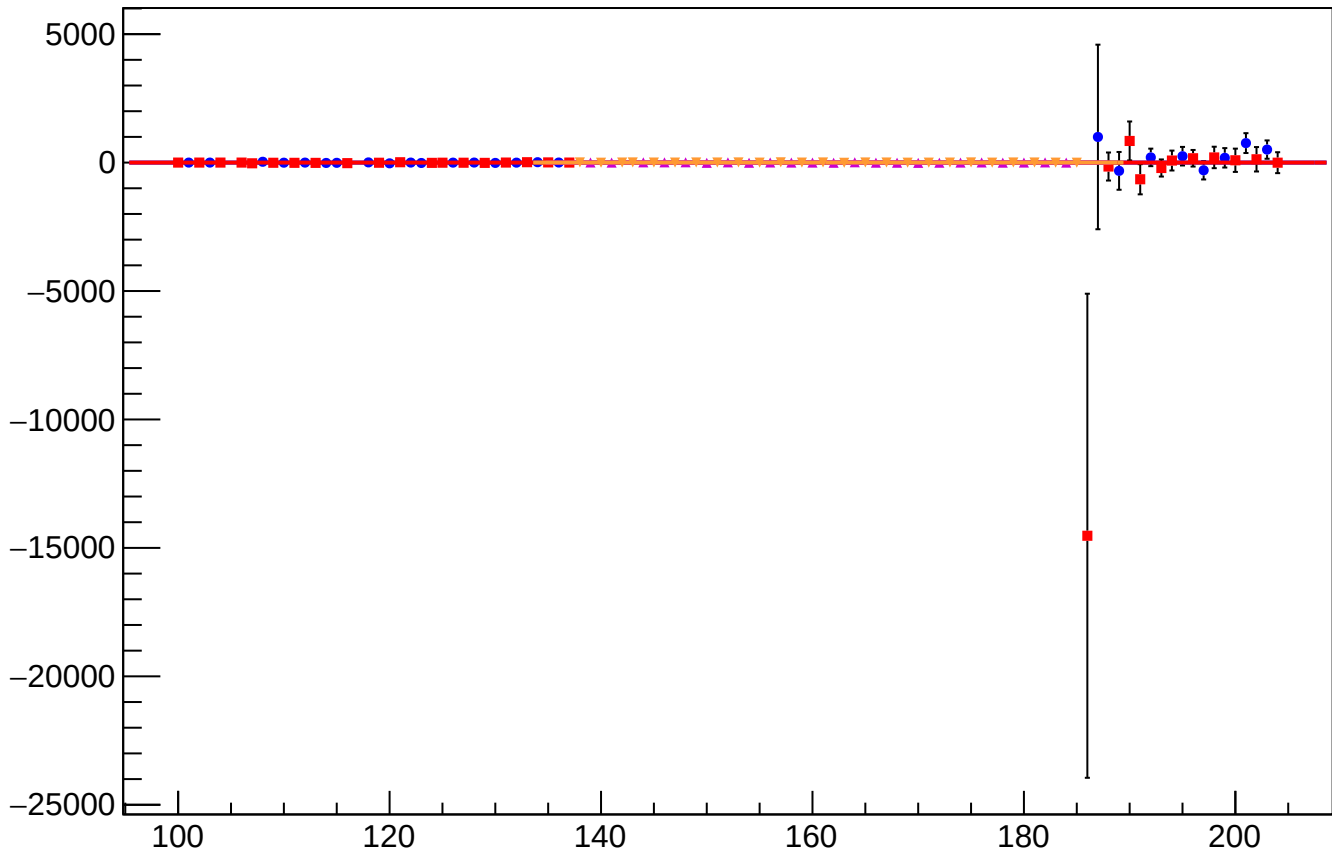
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ 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 ± 0.009 χ^2/NDF : 22.5/24

Left Out: 1.675 ± 1.021 χ^2/NDF : 17.9/24

Right Out: 0.014 ± 0.009 χ^2/NDF : 24.6/29

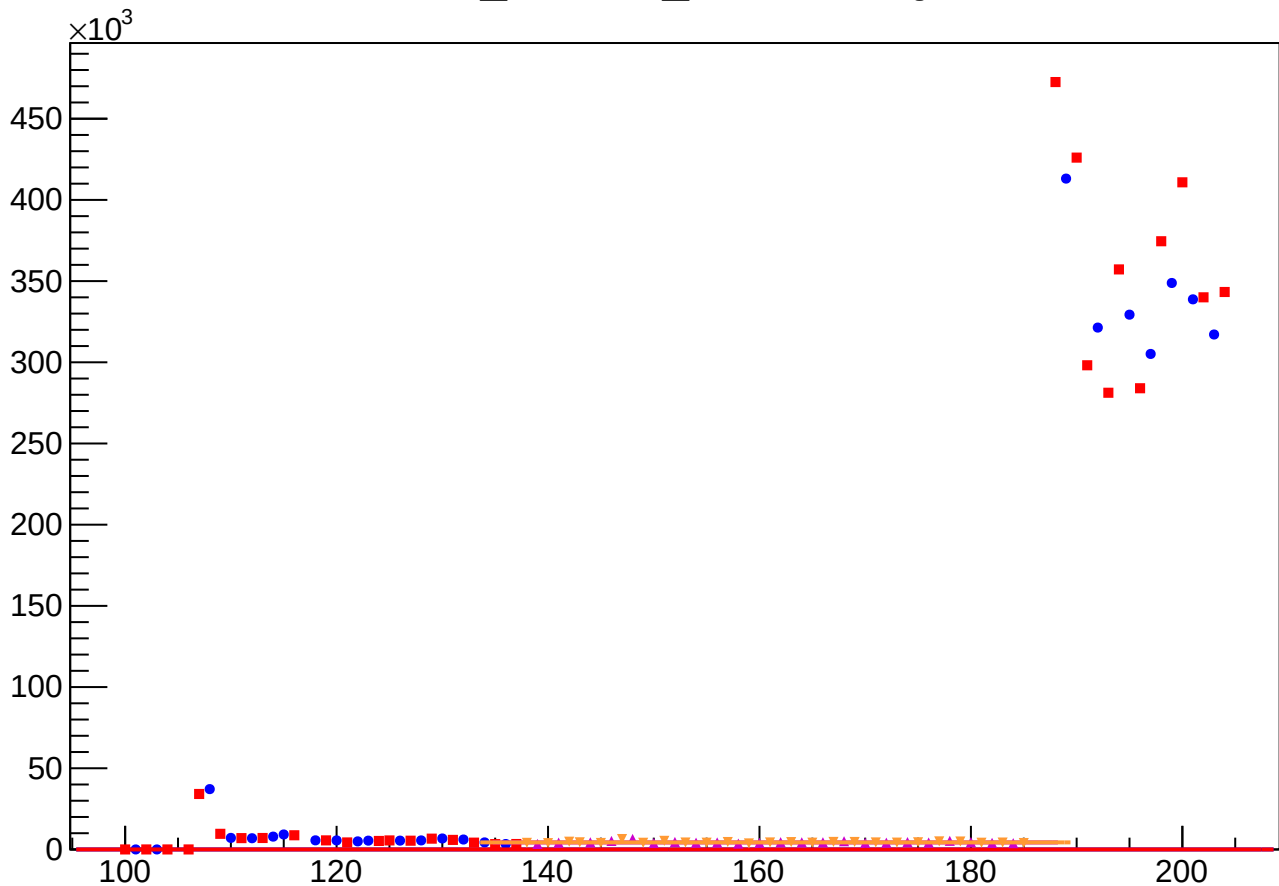
Left In: 0.843 ± 1.043 χ^2/NDF : 35.7/22

+ sign 0.001 ± 0.009 χ^2/NDF : 43.1/49

All: 0.008 ± 0.006 χ^2/NDF : 105.1/102

- sign 0.014 ± 0.009 χ^2/NDF : 60.9/52

diff_cav4bY_rms vs Slug



Right In: 9.939 ± 0.007 χ^2/NDF : 21246590.4/23

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 24095410.5/28

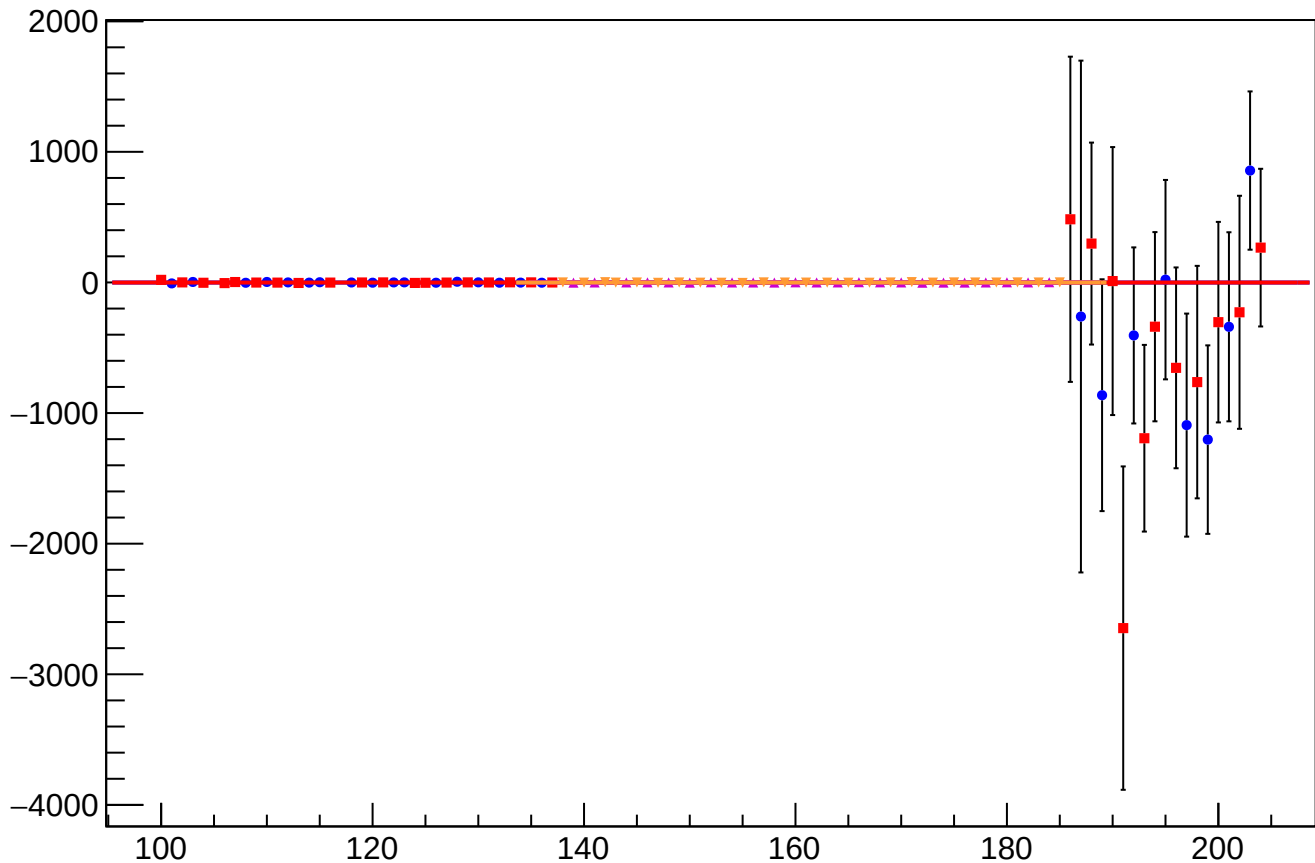
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.291 ± 0.007 χ^2/NDF : 57774565.6/48

All: 10.217 ± 0.004 χ^2/NDF : 116467866.4/100

- sign 10.151 ± 0.006 χ^2/NDF : 58693054.5/51

diff_cav4cX_mean vs Slug



Right In: -0.703 ± 0.485 χ^2/NDF : 30.5/24

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.762 ± 0.502 χ^2/NDF : 21.5/29

Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

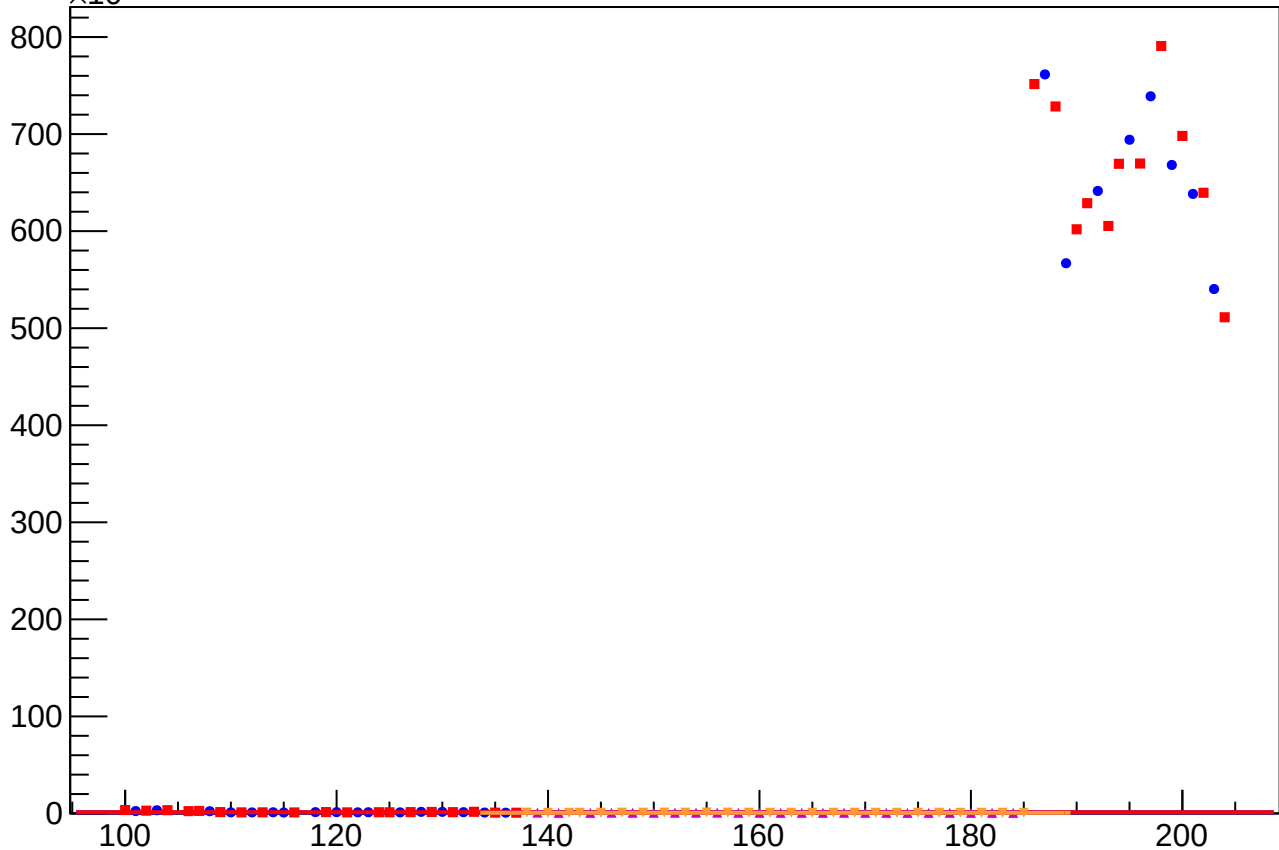
+ sign -0.767 ± 0.156 χ^2/NDF : 88.8/49

All: -0.444 ± 0.112 χ^2/NDF : 150.5/102

- sign -0.097 ± 0.161 χ^2/NDF : 52.7/52

diff_cav4cX_rms vs Slug

$\times 10^3$



Right In: 1166.208 $\pm$ 0.343 χ^2 /NDF: 12481161.7/24

Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF: 392521.4/24

Right Out: 1251.942 $\pm$ 0.355 χ^2 /NDF: 15565964.7/29

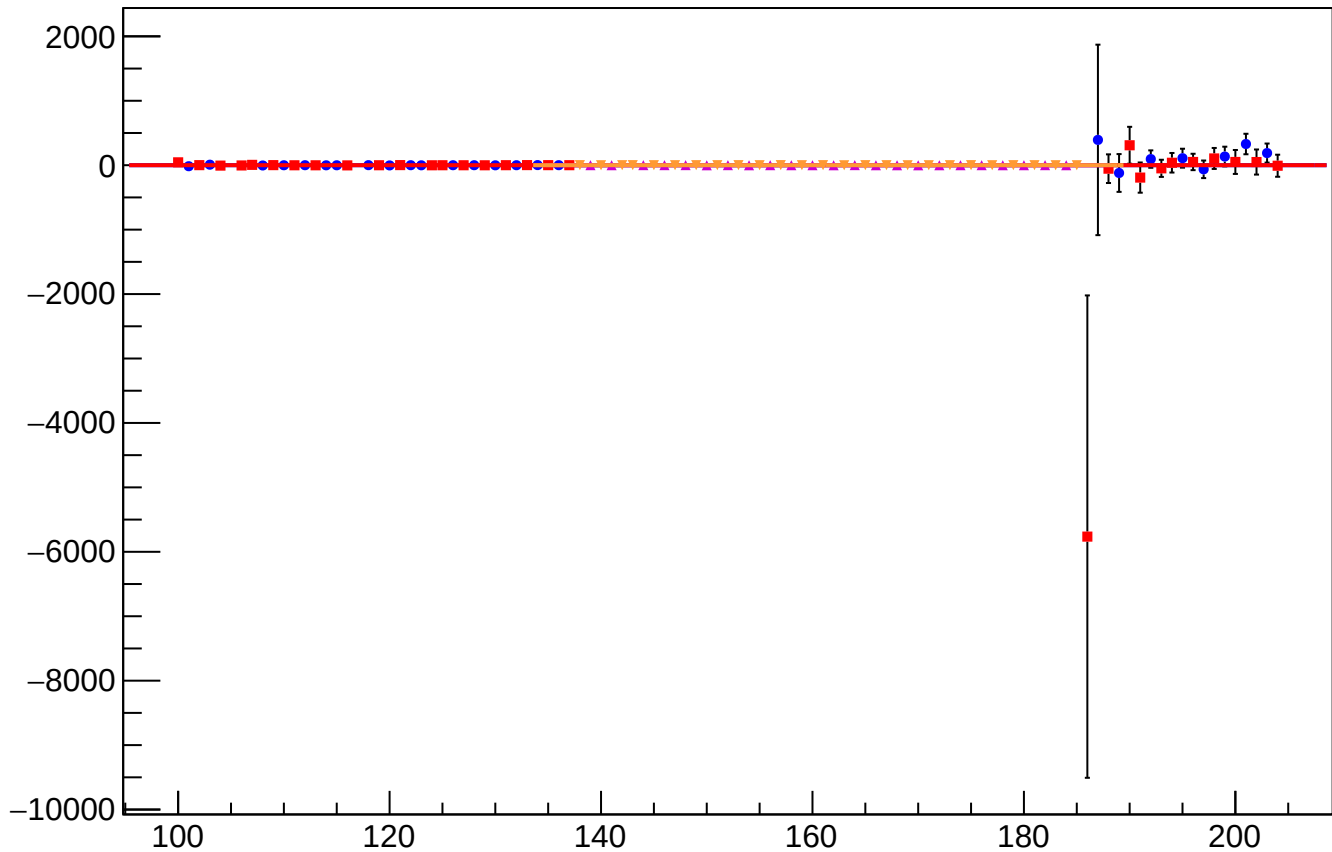
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF: 338177.1/22

+ sign 748.708 $\pm$ 0.110 χ^2 /NDF: 14525710.5/49

All: 755.641 $\pm$ 0.079 χ^2 /NDF: 32551777.4/10

- sign 763.073 $\pm$ 0.114 χ^2 /NDF: 18017840.9/52

diff_cav4cY_mean vs Slug



Right In: -0.057 ± 0.271 χ^2/NDF : 29.1/24

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 25.9/29

Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

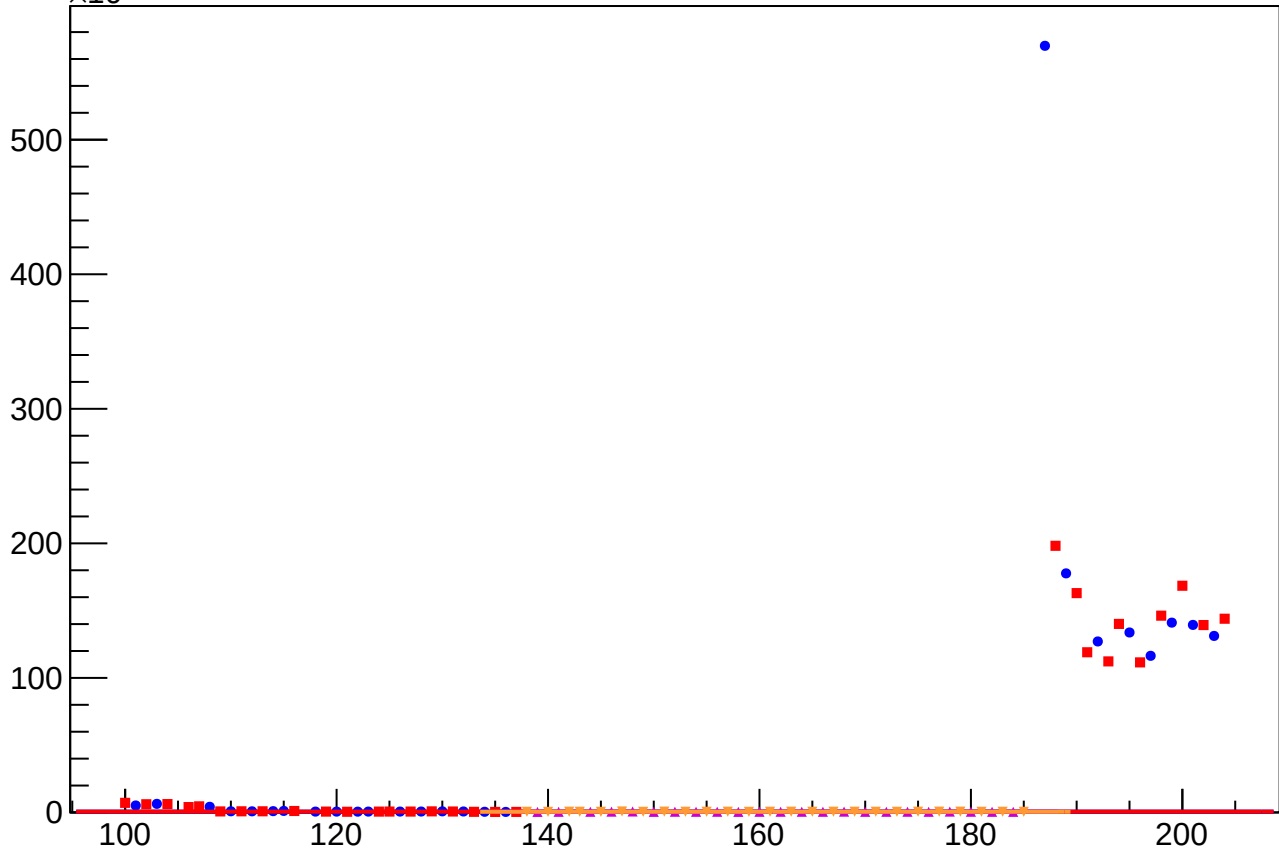
+ sign 0.186 ± 0.112 χ^2/NDF : 47.7/49

All: 0.163 ± 0.080 χ^2/NDF : 108.8/102

- sign 0.139 ± 0.113 χ^2/NDF : 61.0/52

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 611.456 $\pm$ 0.191 χ^2 /NDF: 13784204.6/24

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 602.961 $\pm$ 0.187 χ^2 /NDF: 16552818.3/28

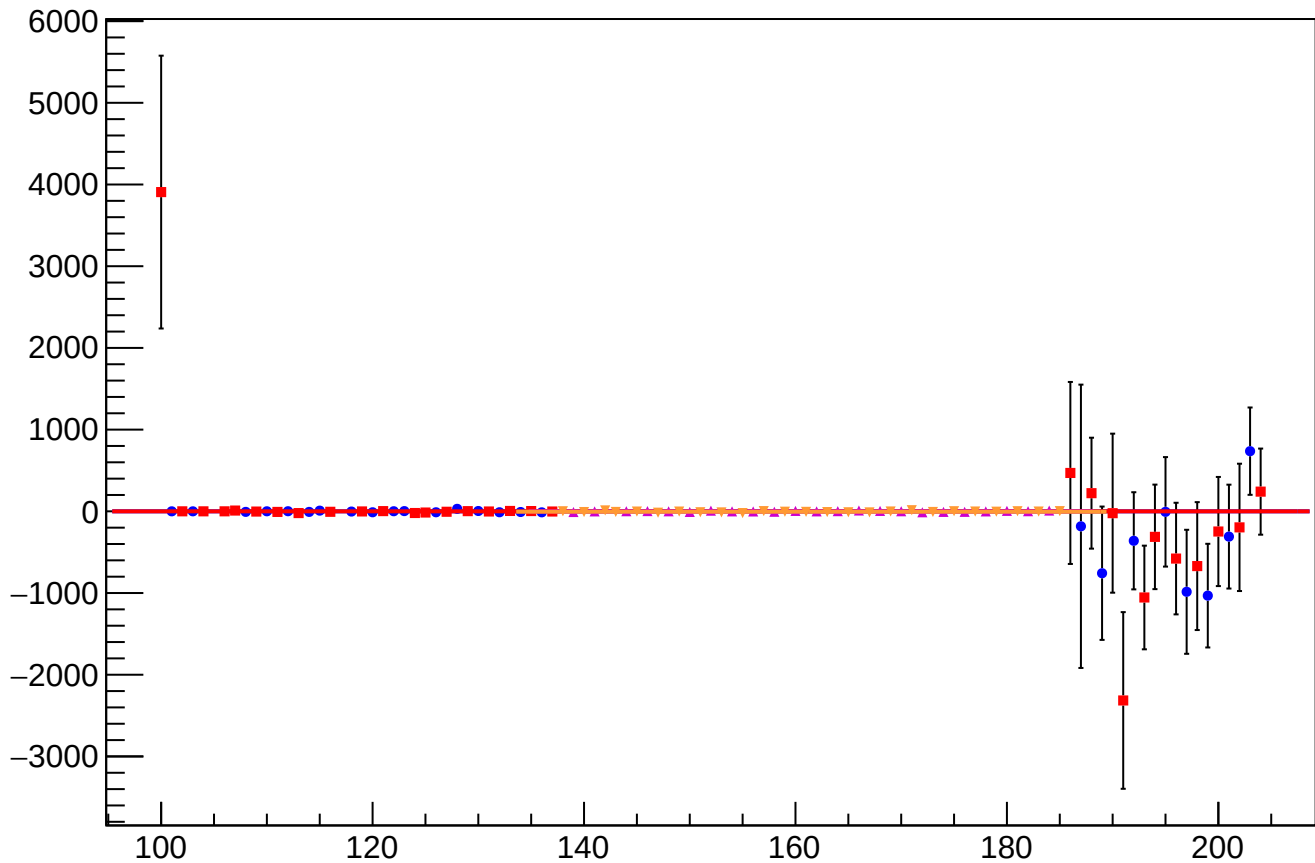
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.560 $\pm$ 0.079 χ^2 /NDF: 14295539.8/49

All: 536.368 $\pm$ 0.056 χ^2 /NDF: 31454179.4/10

- sign 535.137 $\pm$ 0.080 χ^2 /NDF: 17158175.9/51

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 23.3/24

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 26.5/29

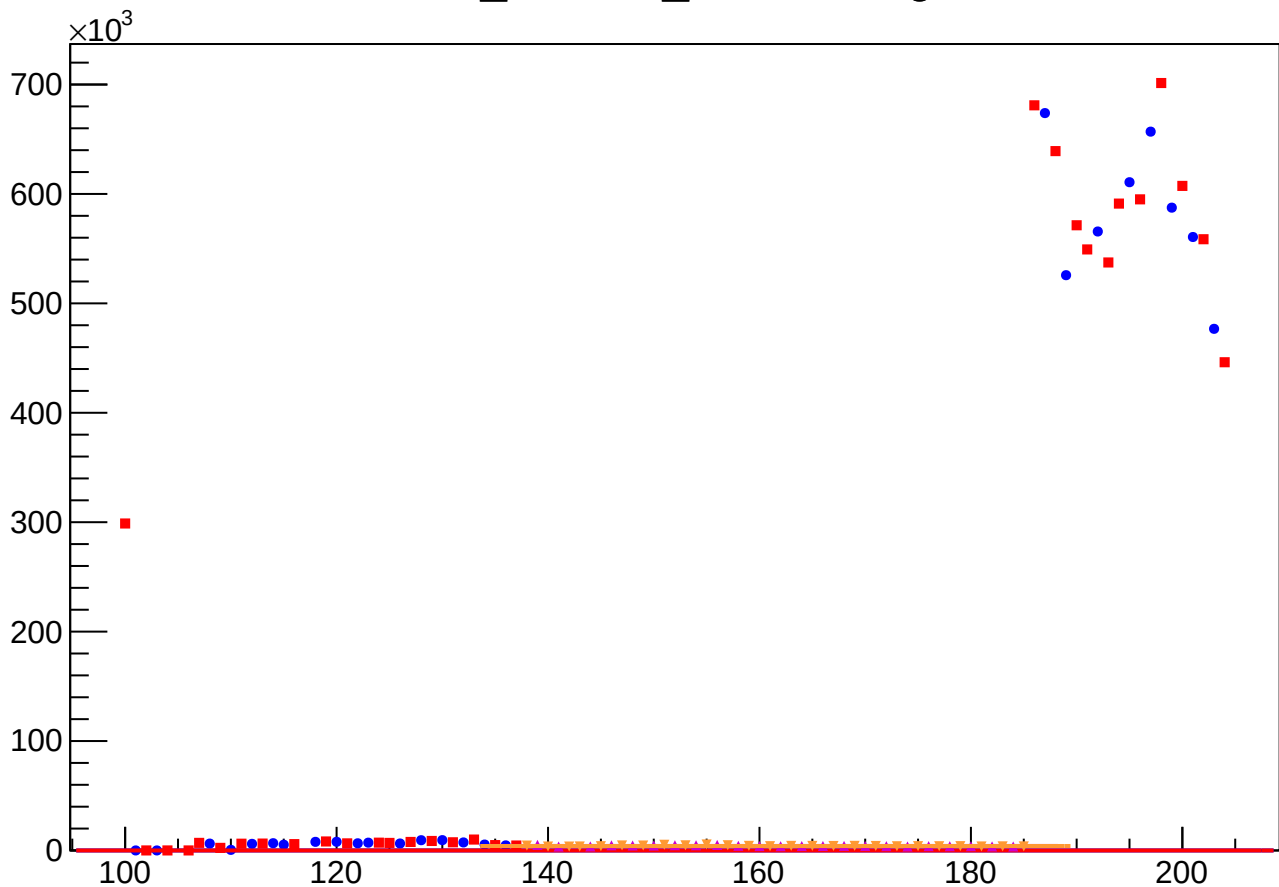
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 103.3/49

All: -0.025 ± 0.014 χ^2/NDF : 159.1/102

- sign -0.027 ± 0.020 χ^2/NDF : 55.8/52

diff_cav4dX_rms vs Slug



Right In: 17.340 ± 0.015 $\chi^2/\text{NDF}: 21279861.0/24$

Left Out: 4074.257 ± 0.676 $\chi^2/\text{NDF}: 416916.0/24$

Right Out: 17.272 ± 0.014 $\chi^2/\text{NDF}: 24844920.3/29$

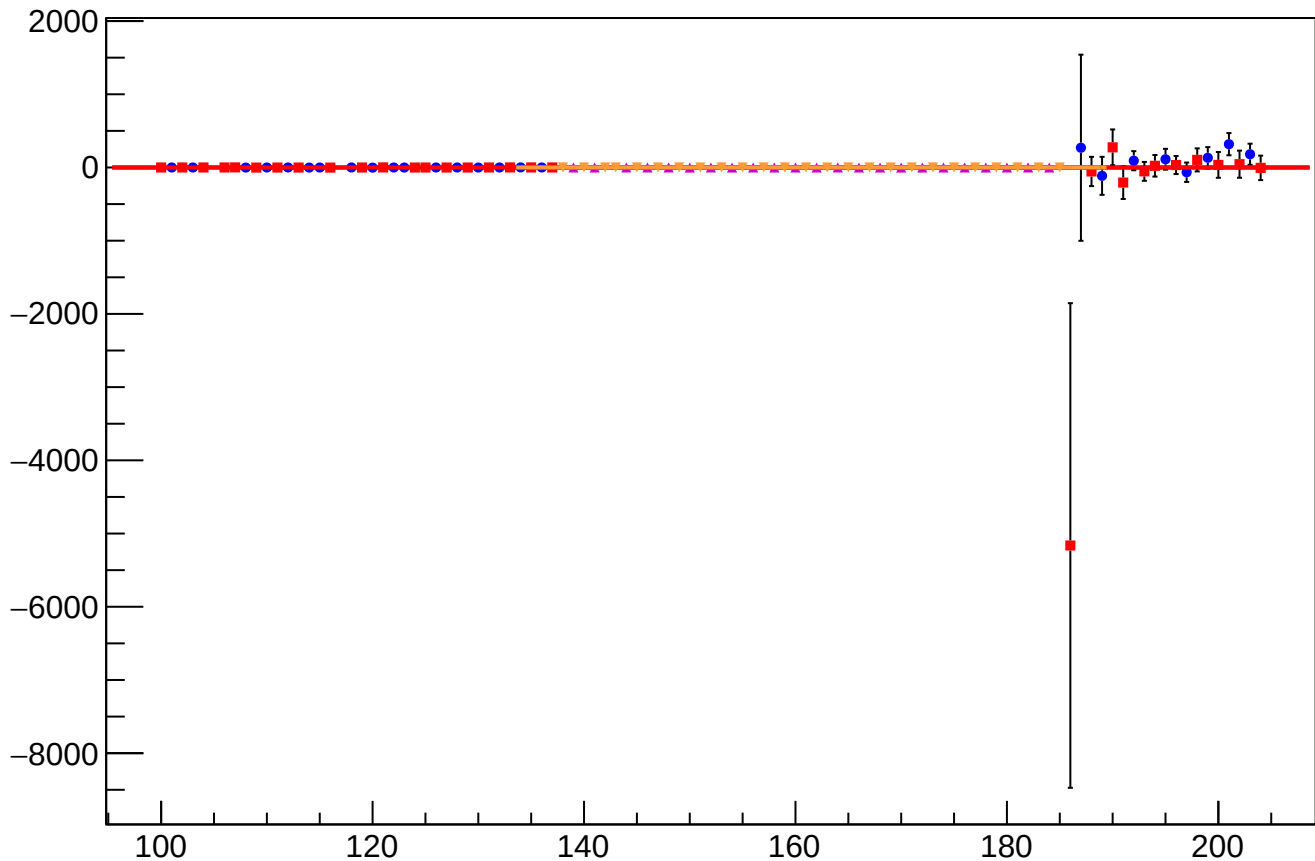
Left In: 4113.744 ± 0.700 $\chi^2/\text{NDF}: 354965.8/22$

+ sign 19.260 ± 0.015 $\chi^2/\text{NDF}: 57729938.9/49$

All: 19.074 ± 0.010 $\chi^2/\text{NDF}: 117146917.1/10$

- sign 18.905 ± 0.014 $\chi^2/\text{NDF}: 59416672.5/52$

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 23.7/24

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.5/29

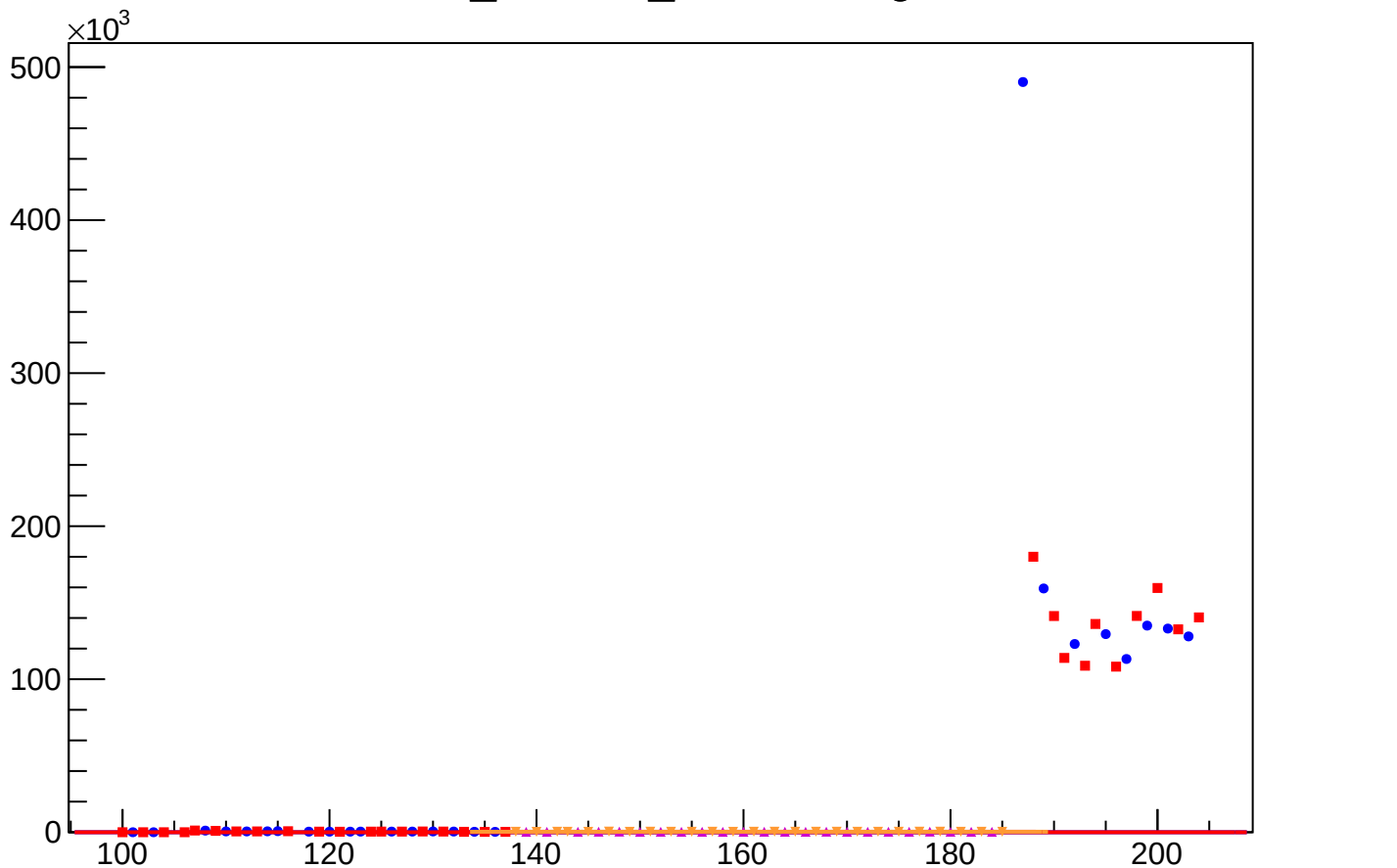
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 44.4/49

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 103.6/102

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.2/52

diff_cav4dY_rms vs Slug



Right In: 1.698 ± 0.001 χ^2/NDF : 21629411.7/24

Left Out: 325.469 ± 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.728 ± 0.001 χ^2/NDF : 23863976.0/28

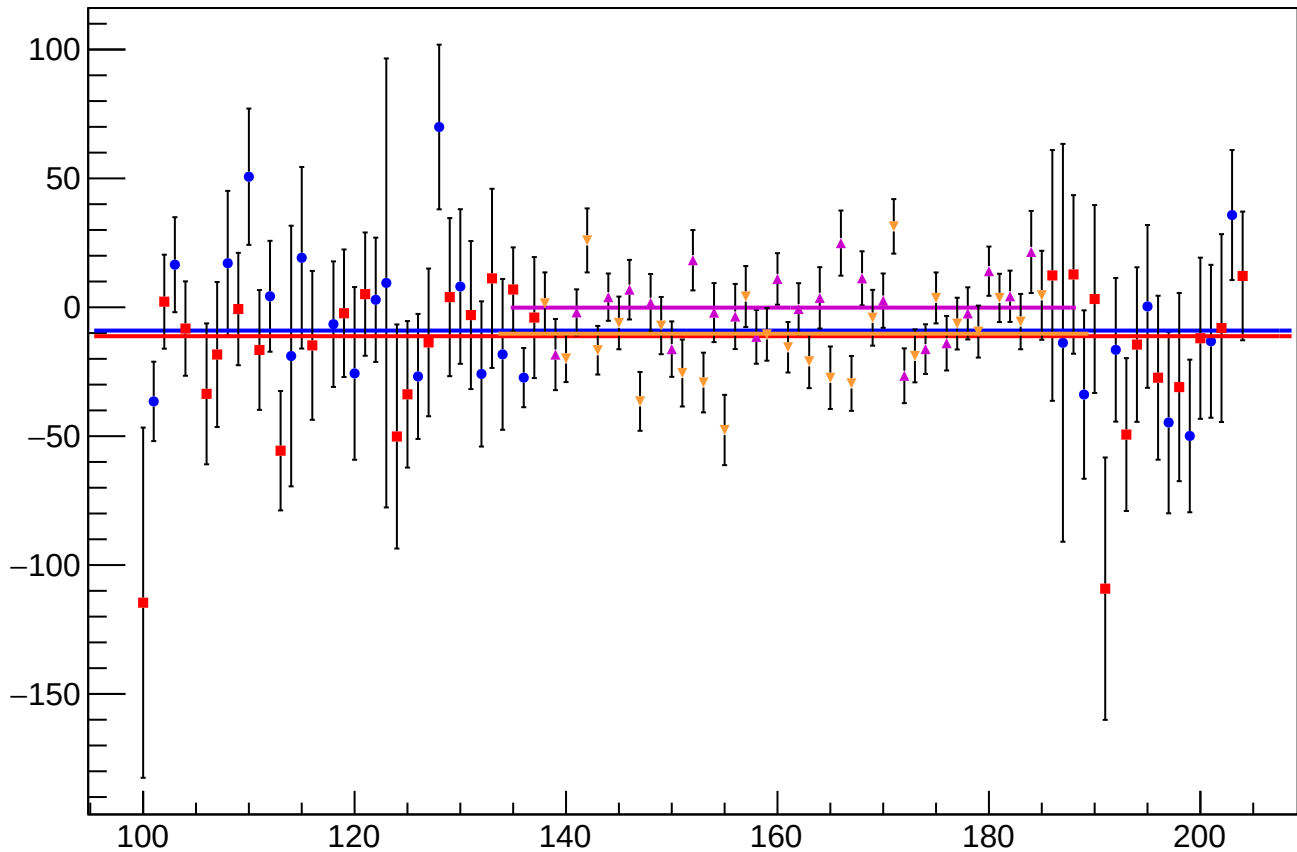
Left In: 325.201 ± 0.055 χ^2/NDF : 428069.7/22

+ sign 1.926 ± 0.001 χ^2/NDF : 57941751.9/49

All: 1.926 ± 0.001 χ^2/NDF : 116204769.4/101

- sign 1.926 ± 0.001 χ^2/NDF : 58263017.5/51

diff_bpm4aX_mean vs Slug



Right In: -9.032 ± 5.031 χ^2/NDF : 29.5/24

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -11.217 ± 4.948 χ^2/NDF : 19.5/29

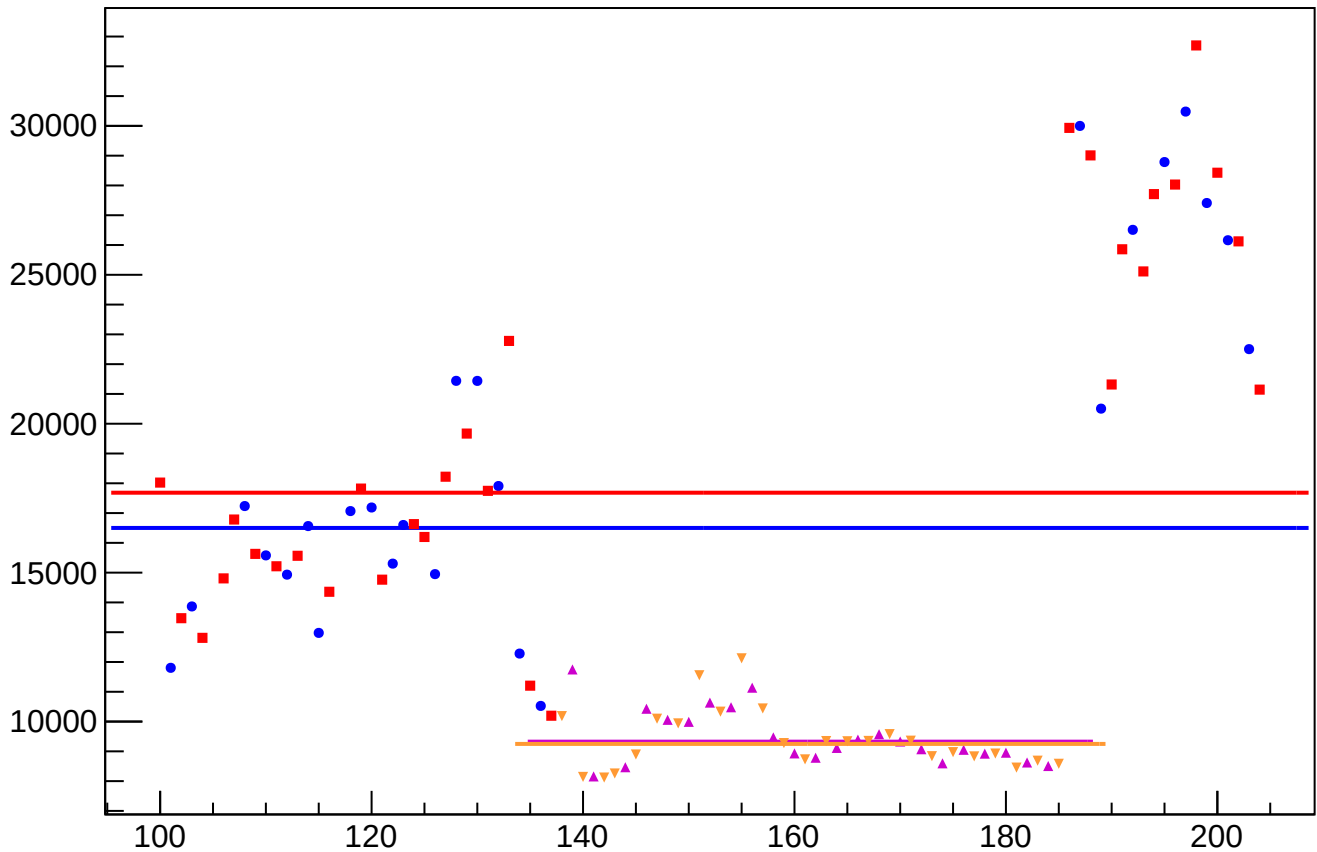
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.047 ± 1.990 χ^2/NDF : 87.5/49

All: -6.137 ± 1.425 χ^2/NDF : 148.9/102

- sign -2.019 ± 2.042 χ^2/NDF : 53.5/52

diff_bpm4aX_rms vs Slug



Right In: 16500.786 $\pm$ 3.558 χ^2 /NDF: 2530610.0/24

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

Right Out: 17683.987 $\pm$ 3.499 χ^2 /NDF: 2713814.0/29

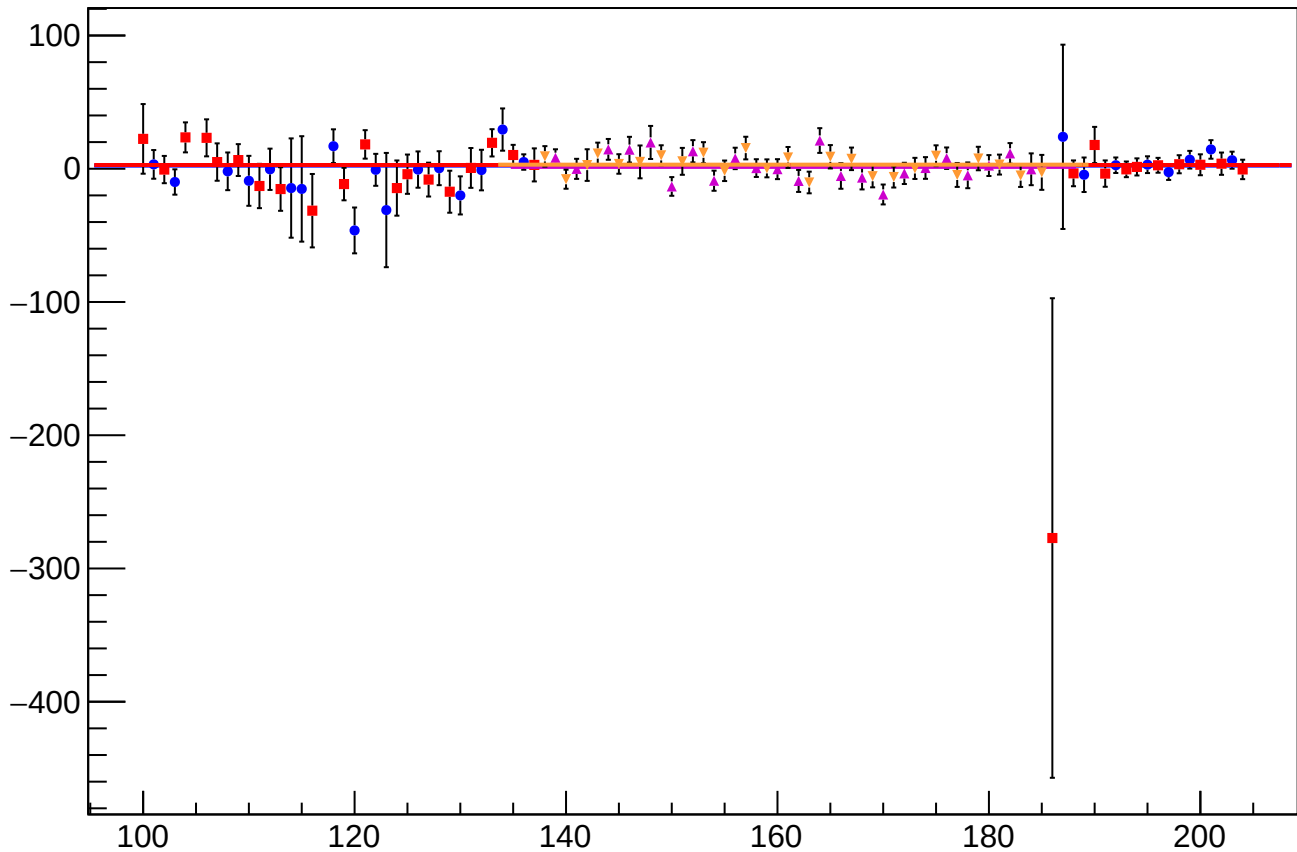
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 10383.745 $\pm$ 1.407 χ^2 /NDF: 6367226.1/49

All: 10561.784 $\pm$ 1.008 χ^2 /NDF: 14130662.2

- sign 10749.307 $\pm$ 1.444 χ^2 /NDF: 7730565.0/52

diff_bpm4aY_mean vs Slug



Right In: 2.372 ± 1.952 $\chi^2/\text{NDF}: 23.2/24$

Left Out: 3.062 ± 1.659 $\chi^2/\text{NDF}: 18.3/24$

Right Out: 2.819 ± 1.832 $\chi^2/\text{NDF}: 25.5/29$

Left In: 1.394 ± 1.693 $\chi^2/\text{NDF}: 35.4/22$

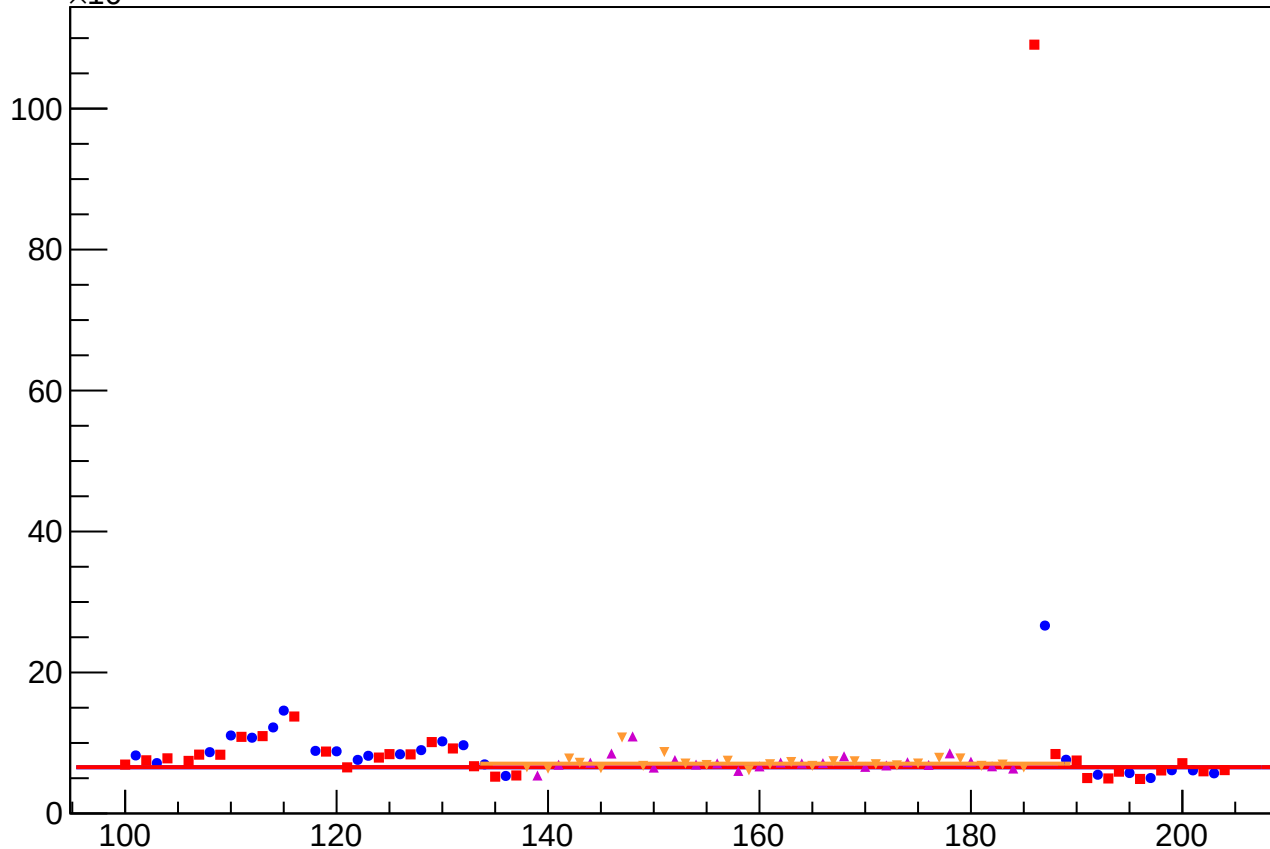
+ sign 2.772 ± 1.264 $\chi^2/\text{NDF}: 41.6/49$

All: 2.406 ± 0.886 $\chi^2/\text{NDF}: 102.9/102$

- sign 2.051 ± 1.244 $\chi^2/\text{NDF}: 61.2/52$

diff_bpm4aY_rms vs Slug

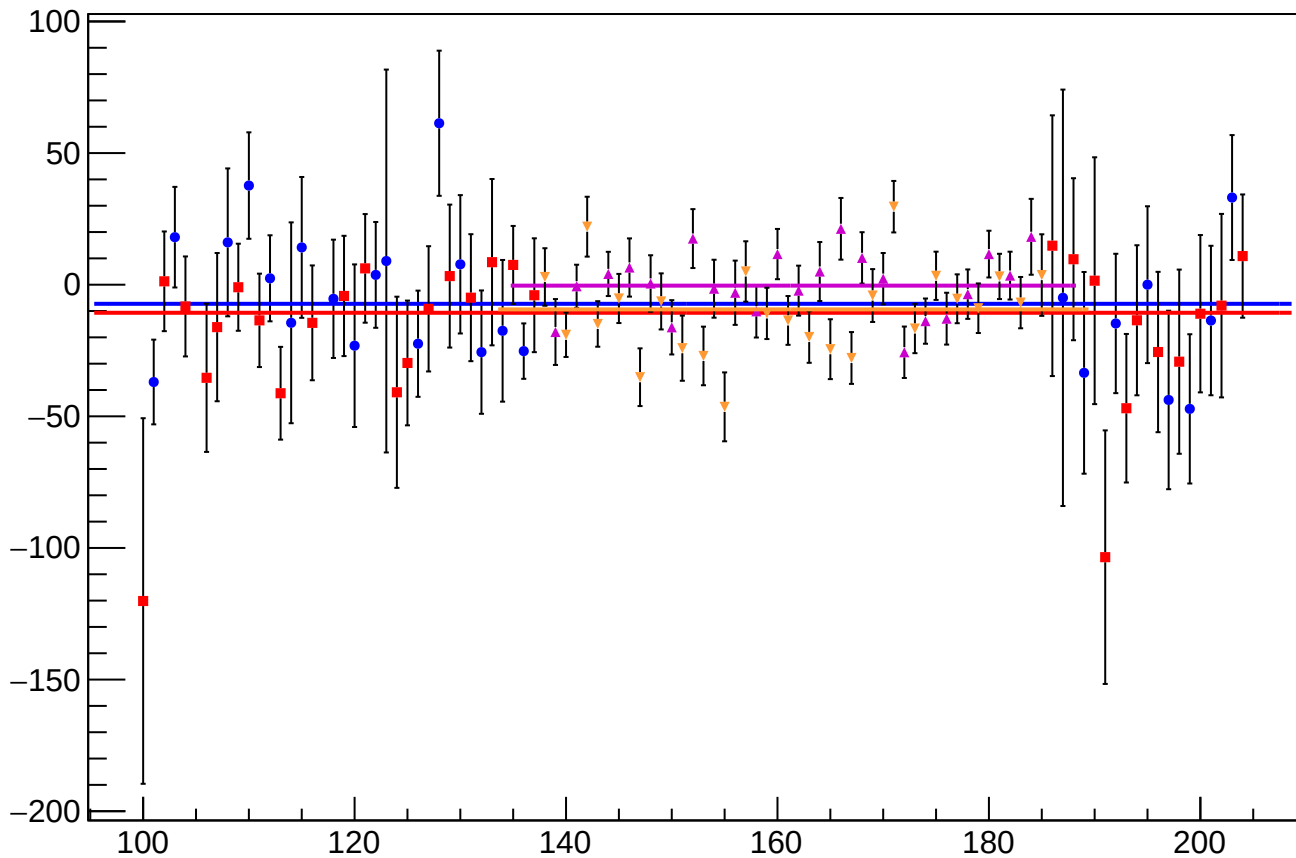
$\times 10^3$



Right In: 6543.377 $\pm$ 1.380 χ^2 /NDF: 1501801.1/24
 Left Out: 7066.826 $\pm$ 1.173 χ^2 /NDF: 387449.8/24
 Right Out: 6570.706 $\pm$ 1.296 χ^2 /NDF: 2099361.9/29
 Left In: 7000.532 $\pm$ 1.197 χ^2 /NDF: 550029.3/22

+ sign 6847.307 $\pm$ 0.894 χ^2 /NDF: 1972766.7/49
 All: 6824.557 $\pm$ 0.627 χ^2 /NDF: 4682802.4/10
 - sign 6802.539 $\pm$ 0.879 χ^2 /NDF: 2708760.8/52

diff_bpm4eX_mean vs Slug



Right In: -7.258 ± 4.573 χ^2/NDF : 29.9/24

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -10.664 ± 4.459 χ^2/NDF : 19.0/29

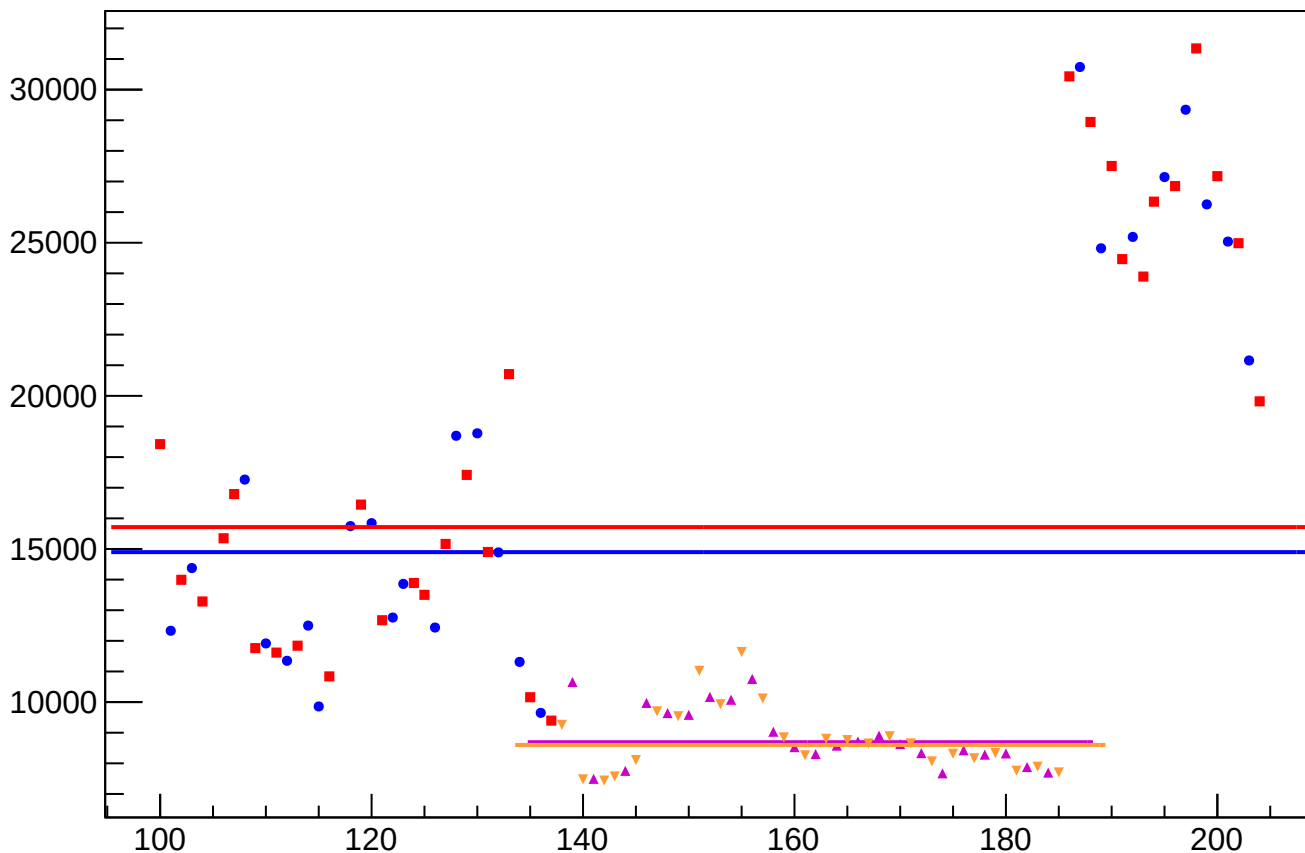
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.031 ± 1.846 χ^2/NDF : 88.5/49

All: -5.710 ± 1.322 χ^2/NDF : 148.2/102

- sign -2.214 ± 1.894 χ^2/NDF : 53.0/52

diff_bpm4eX_rms vs Slug



Right In: 14896.800+/-3.234 χ^2/NDF : 2888697.4/24

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

+ sign 9626.412+/-1.305 χ^2/NDF : 6500226.5/49

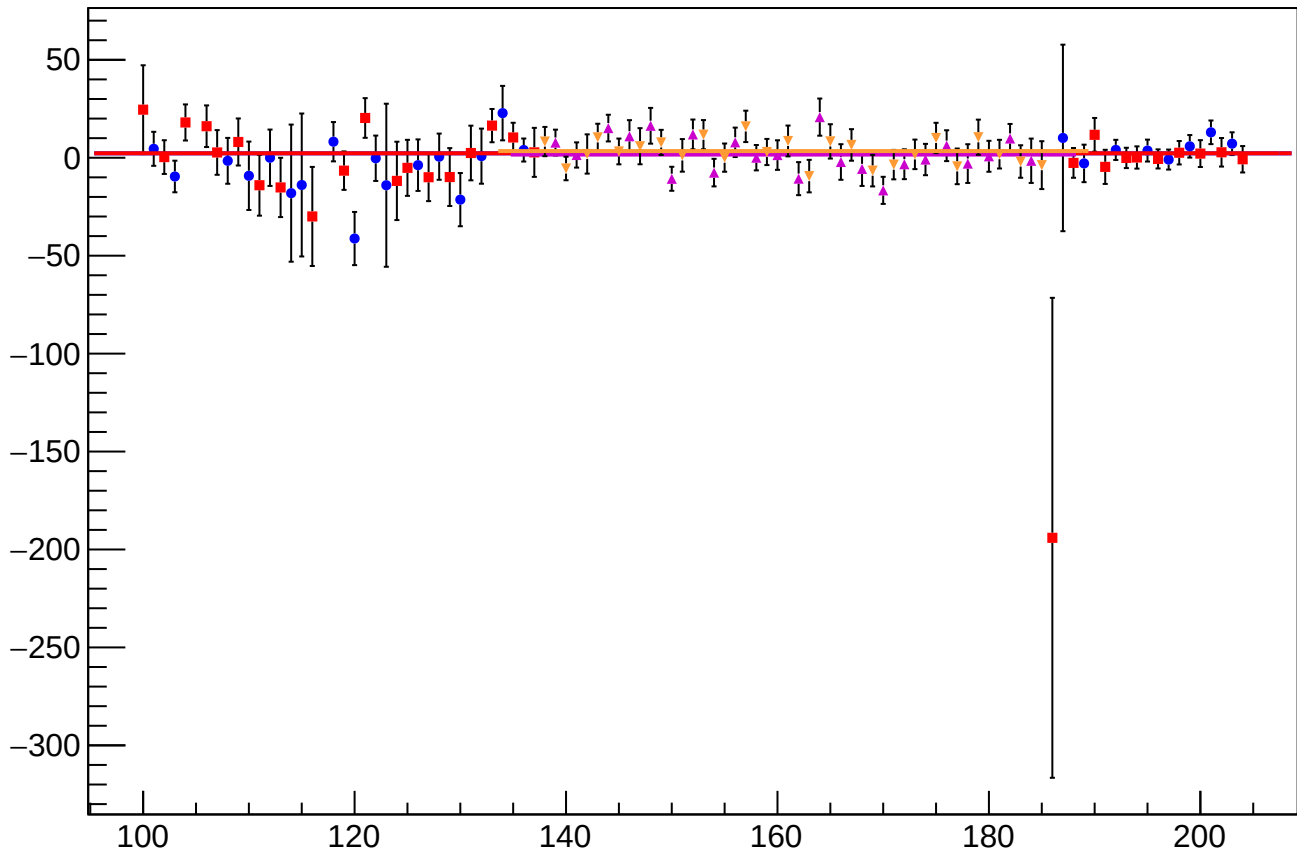
Right Out: 15714.590+/-3.153 χ^2/NDF : 3403254.3/29

All: 9787.763+/-0.935 χ^2/NDF : 14373303.8/52

Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

- sign 9957.620+/-1.339 χ^2/NDF : 7841714.6/52

diff_bpm4eY_mean vs Slug



Right In: 2.250 ± 1.732 χ^2/NDF : 24.8/24

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 2.283 ± 1.607 χ^2/NDF : 26.0/29

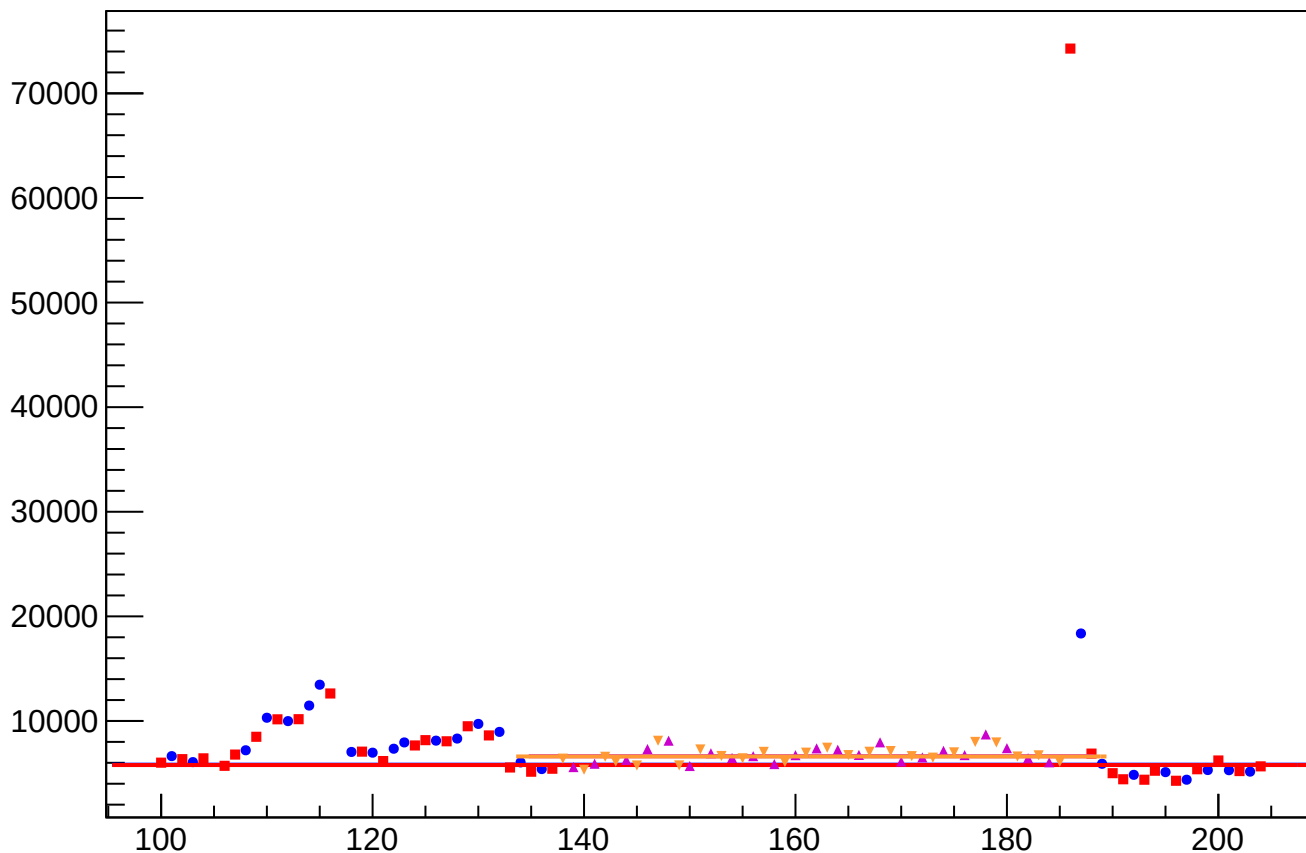
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.892 ± 1.155 χ^2/NDF : 41.9/49

All: 2.414 ± 0.809 χ^2/NDF : 101.8/102

- sign 1.953 ± 1.134 χ^2/NDF : 59.5/52

diff_bpm4eY_rms vs Slug



Right In: 5822.436+/-1.225 χ^2/NDF : 1454206.5/24

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 5786.821+/-1.137 χ^2/NDF : 2129275.0/29

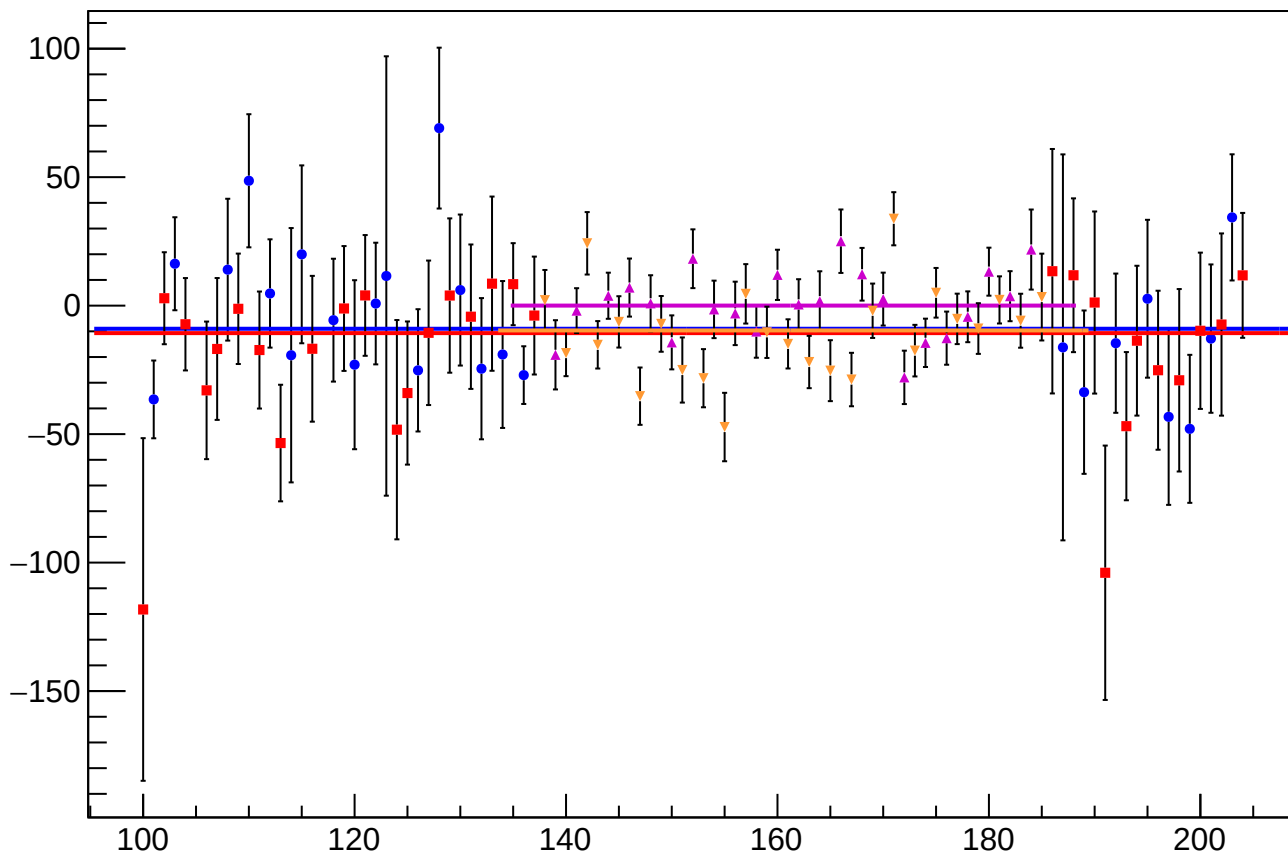
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6258.116+/-0.817 χ^2/NDF : 2080451.0/49

All: 6233.556+/-0.572 χ^2/NDF : 4917490.6/100

- sign 6209.908+/-0.802 χ^2/NDF : 2835265.6/52

diff_bpm4acX_mean vs Slug



Right In: -8.996 ± 4.924 χ^2/NDF : 29.2/24

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -10.693 ± 4.842 χ^2/NDF : 19.4/29

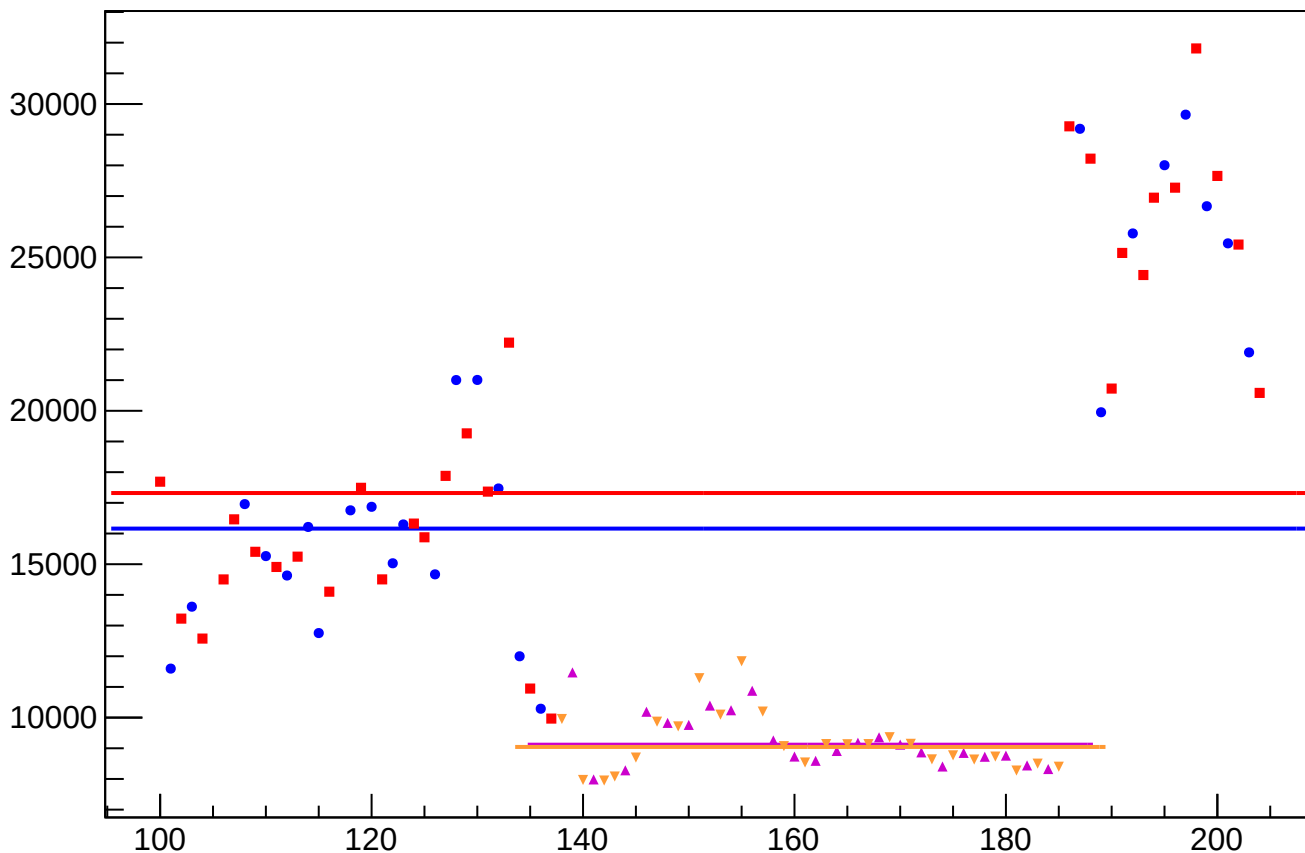
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.547 ± 1.946 χ^2/NDF : 89.1/49

All: -5.775 ± 1.394 χ^2/NDF : 150.9/102

- sign -1.803 ± 1.997 χ^2/NDF : 54.1/52

diff_bpm4acX_rms vs Slug



Right In: 16160.735 $\pm$ 3.482 χ^2 /NDF: 2497824.9/24

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF:328192.2/24

Right Out: 17320.048 $\pm$ 3.424 χ^2 /NDF: 2670211.3/29

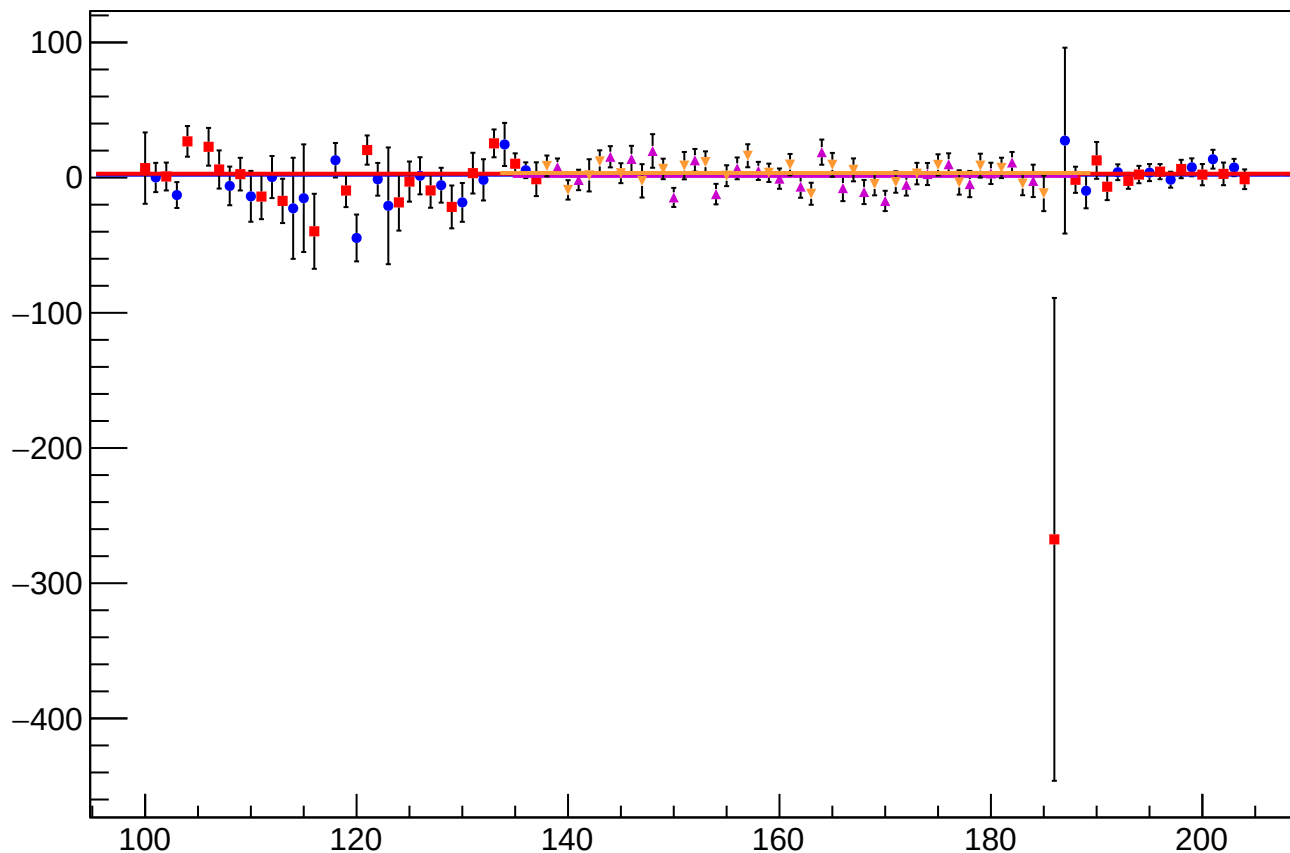
Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

+ sign 10154.983 $\pm$ 1.376 χ^2 /NDF: 6352200.5/49

All: 10328.997 $\pm$ 0.985 χ^2 /NDF: 14097290.4

- sign 10512.266 $\pm$ 1.412 χ^2 /NDF: 7712248.2/52

diff_bpm4acY_mean vs Slug



Right In: 2.177 $\pm$ 1.960 χ^2 /NDF: 22.9/24

Left Out: 3.439 $\pm$ 1.666 χ^2 /NDF:18.9/24

Right Out: 2.891 $\pm$ 1.840 χ^2 /NDF: 30.9/29

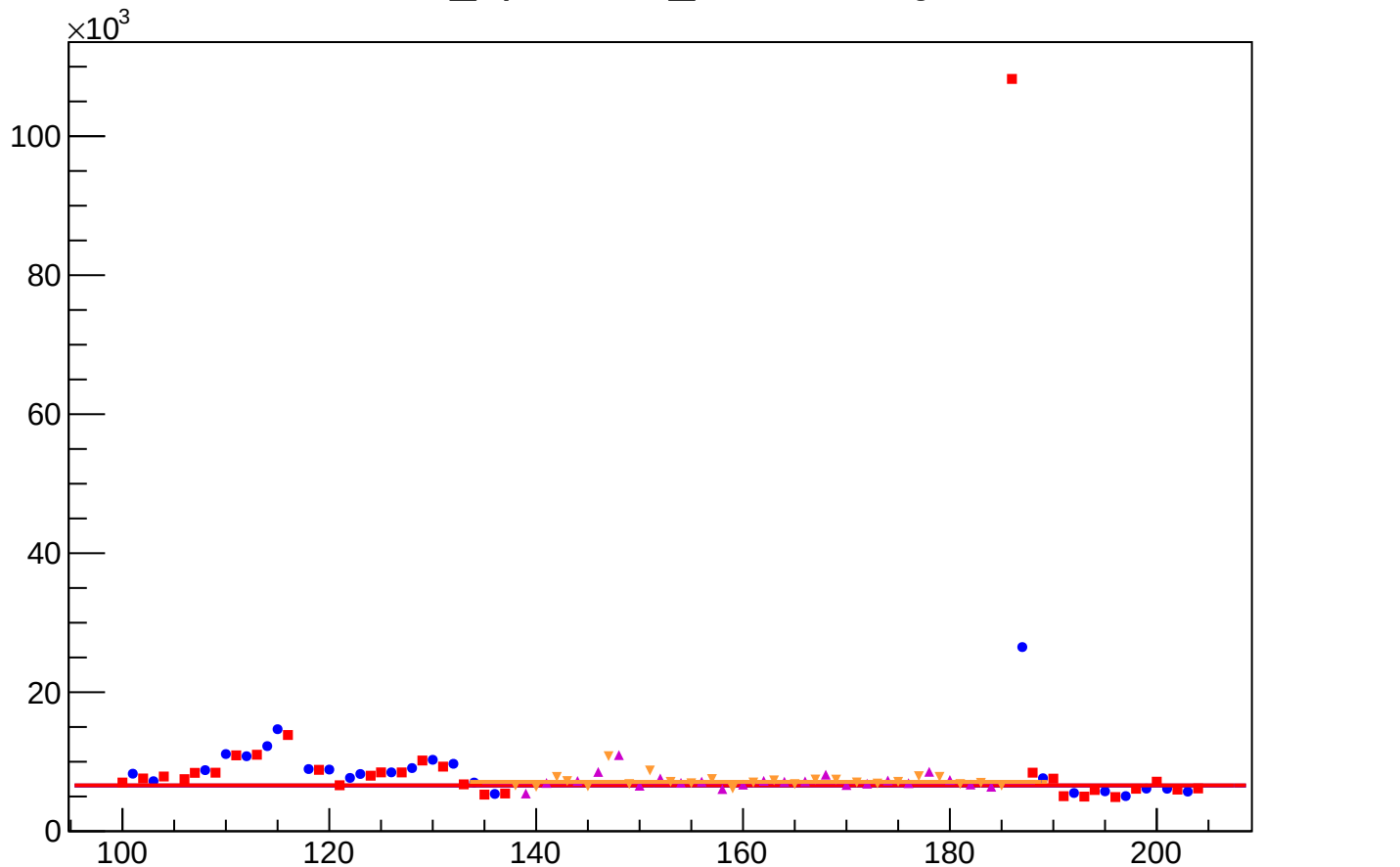
Left In: 1.291 $\pm$ 1.701 χ^2 /NDF:36.5/22

+ sign 2.910 $\pm$ 1.269 χ^2 /NDF: 42.1/49

All: 2.462 $\pm$ 0.890 χ^2 /NDF: 110.2/102

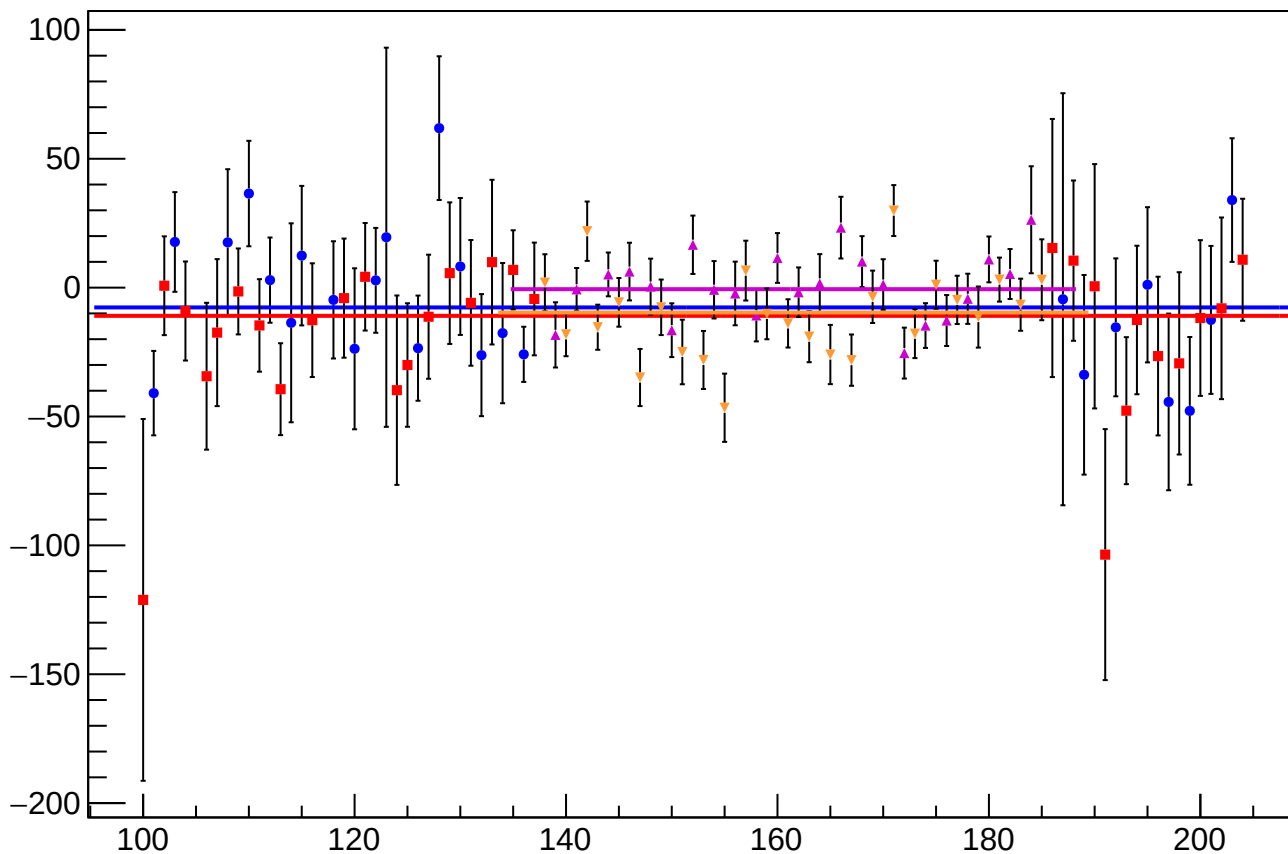
- sign 2.028 $\pm$ 1.249 χ^2 /NDF: 67.8/52

diff_bpm4acY_rms vs Slug



Right In: 6569.657 ± 1.386 $\chi^2/\text{NDF}: 1511444.6/24$ + sign 6876.774 ± 0.898 $\chi^2/\text{NDF}: 1978602.1/49$
 Left Out: 7098.726 ± 1.178 $\chi^2/\text{NDF}: 382550.4/24$ All: 6854.918 ± 0.630 $\chi^2/\text{NDF}: 4685073.5/10$
 Right Out: 6599.754 ± 1.301 $\chi^2/\text{NDF}: 2104286.6/29$ - sign 6833.759 ± 0.883 $\chi^2/\text{NDF}: 2705304.5/52$
 Left In: 7033.702 ± 1.203 $\chi^2/\text{NDF}: 541035.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -7.680 ± 4.633 χ^2/NDF : 30.6/24

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -10.942 ± 4.519 χ^2/NDF : 18.1/29

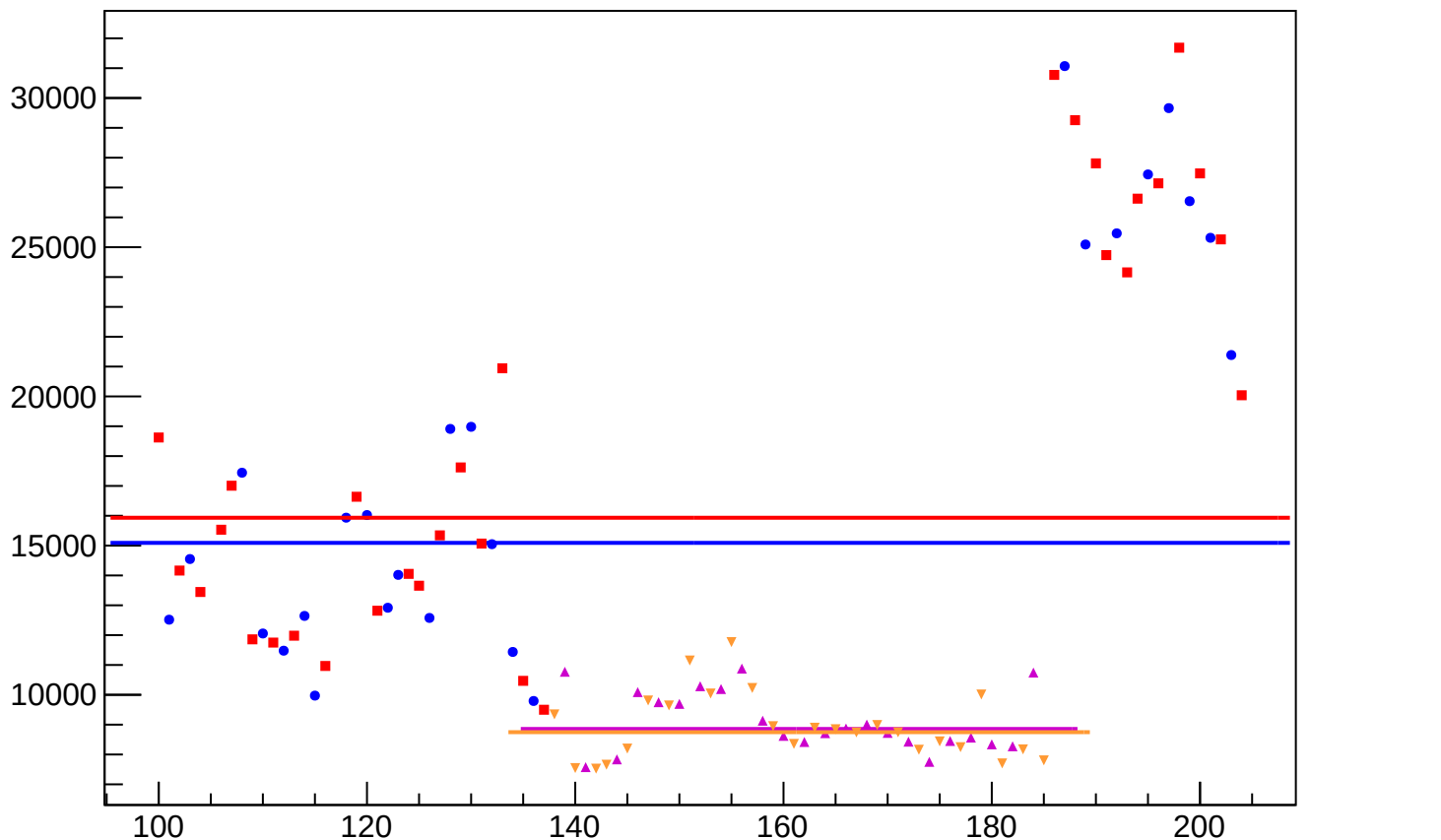
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.317 ± 1.880 χ^2/NDF : 88.4/49

All: -5.992 ± 1.347 χ^2/NDF : 146.8/102

- sign -2.486 ± 1.930 χ^2/NDF : 52.0/52

diff_bpm4ecX_rms vs Slug



Right In: 15092.051+/-3.276 χ^2/NDF : 2870574.8/24

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 15934.026+/-3.196 χ^2/NDF : 3369806.4/29

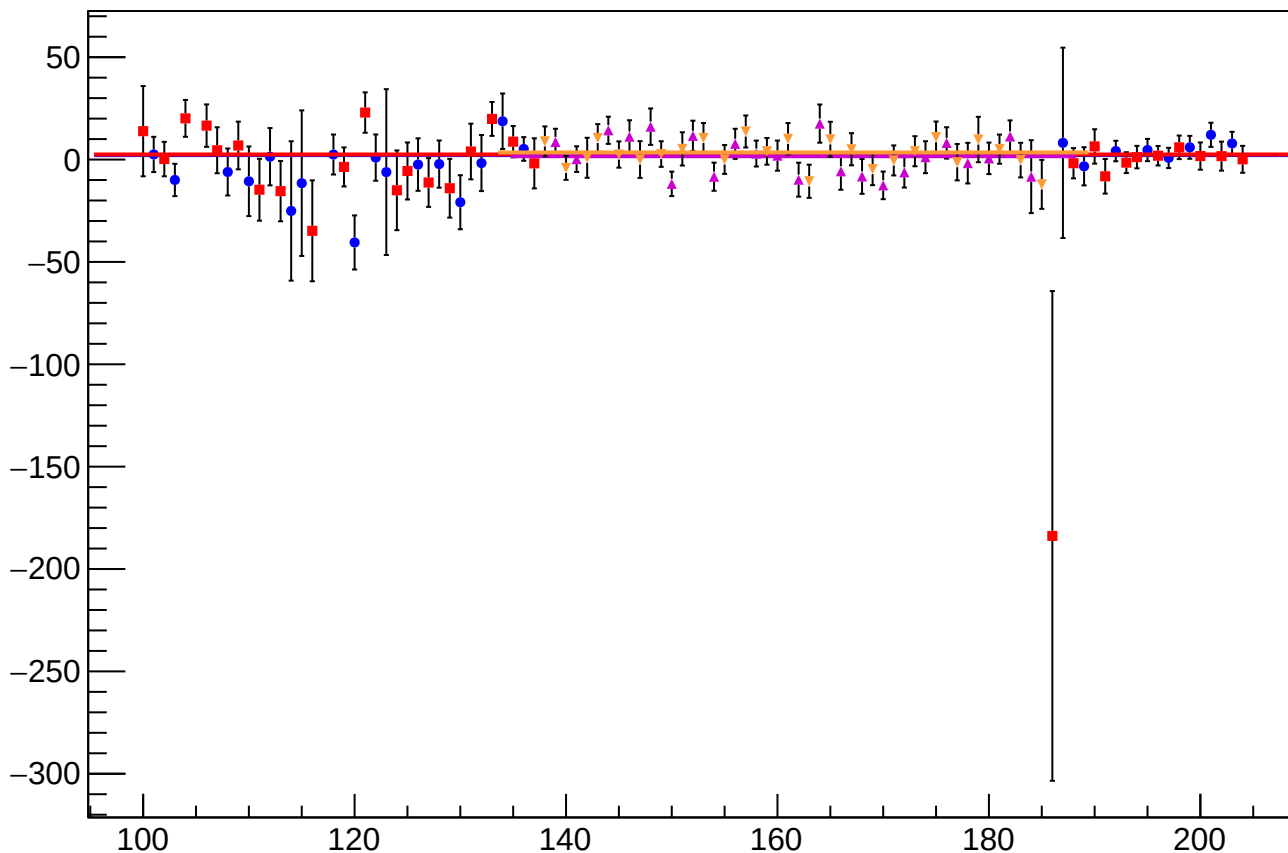
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 9793.350+/-1.330 χ^2/NDF : 6466404.4/49

All: 9965.537+/-0.952 χ^2/NDF : 14249094.2/100

- sign 10147.053+/-1.365 χ^2/NDF : 7748234.1/52

diff_bpm4ecY_mean vs Slug



Right In: 2.187 ± 1.690 χ^2/NDF : 25.0/24

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 2.475 ± 1.567 χ^2/NDF : 30.8/29

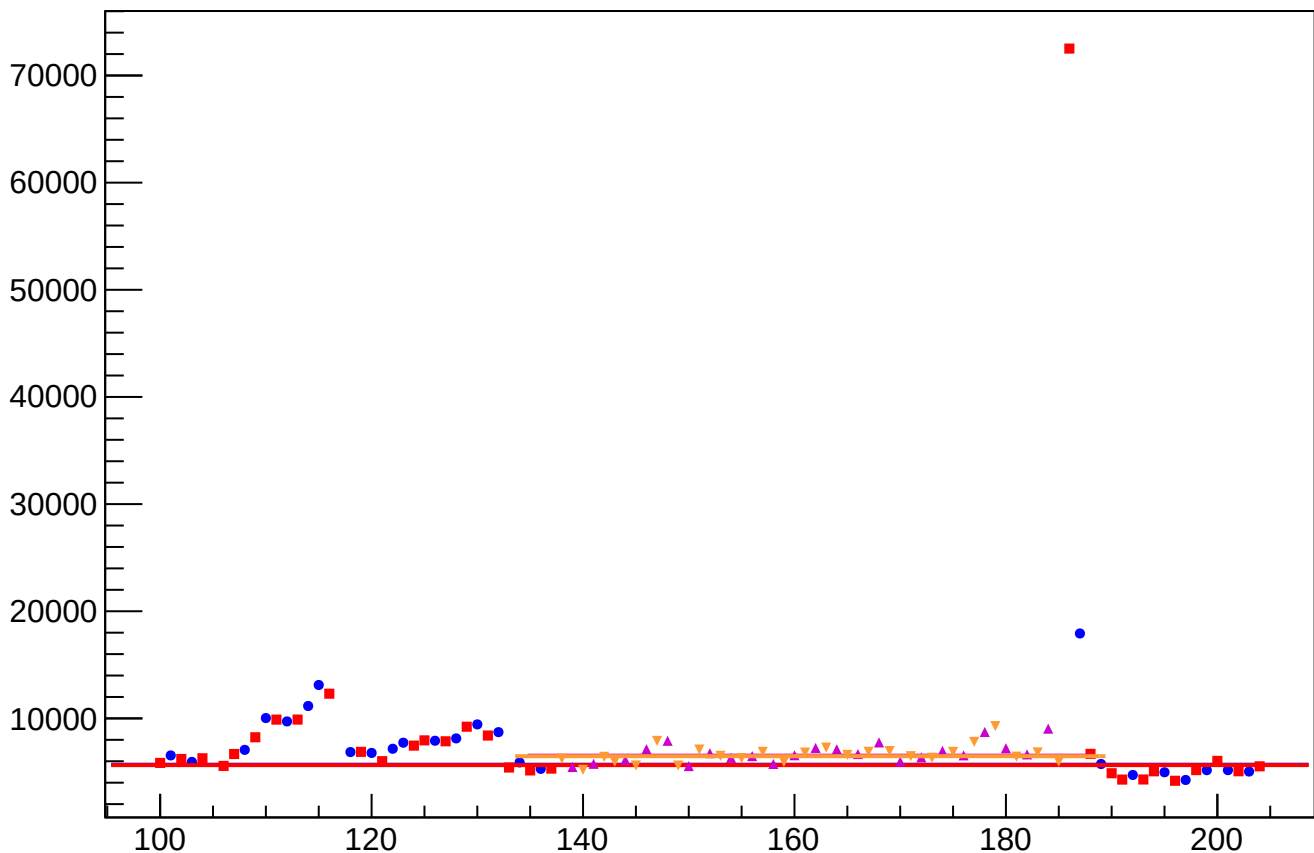
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.896 ± 1.132 χ^2/NDF : 41.1/49

All: 2.471 ± 0.793 χ^2/NDF : 106.0/102

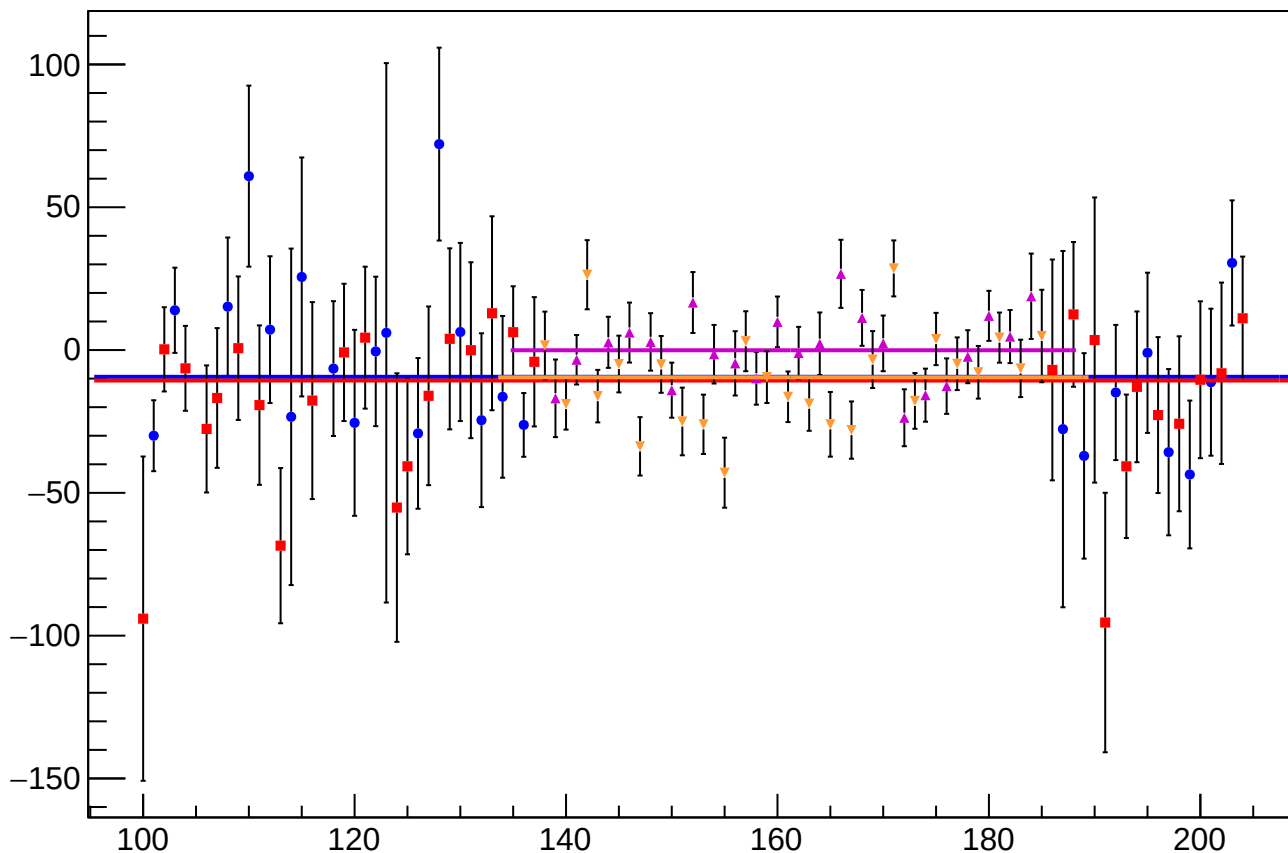
- sign 2.060 ± 1.112 χ^2/NDF : 64.6/52

diff_bpm4ecY_rms vs Slug



Right In: 5676.444+/-1.195	χ^2/NDF : 1461406.3/24	+ sign 6115.109+/-0.800	χ^2/NDF : 2196062.6/49
Left Out: 6471.976+/-1.078	χ^2/NDF : 490282.9/24	All: 6096.192+/-0.561	χ^2/NDF : 5111918.3/10
Right Out: 5639.855+/-1.108	χ^2/NDF : 2120071.4/29	- sign 6077.937+/-0.786	χ^2/NDF : 2914758.1/52
Left In: 6521.975+/-1.116	χ^2/NDF : 480034.7/22		

diff_bpm1X_mean vs Slug



Right In: -9.371 ± 4.745 χ^2/NDF : 28.6/24

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -10.668 ± 4.672 χ^2/NDF : 20.0/29

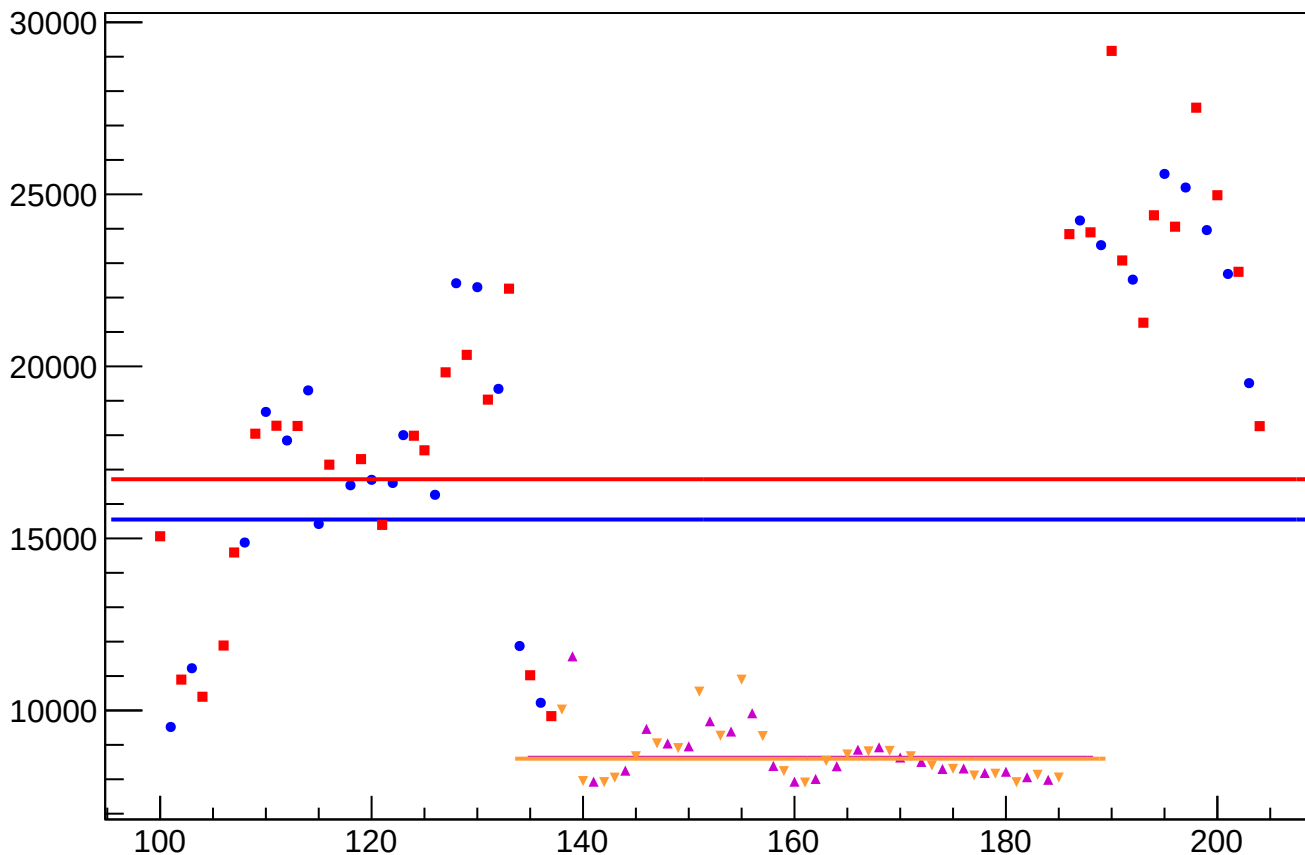
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.526 ± 1.852 χ^2/NDF : 88.2/49

All: -5.758 ± 1.324 χ^2/NDF : 150.8/102

- sign -1.814 ± 1.895 χ^2/NDF : 54.1/52

diff_bpm1X_rms vs Slug



Right In: 15549.315+/-3.355 χ^2/NDF : 2610844.9/24

Left Out: 8598.983+/-1.423 χ^2/NDF : 249070.5/24

Right Out: 16720.042+/-3.304 χ^2/NDF : 2642130.5/29

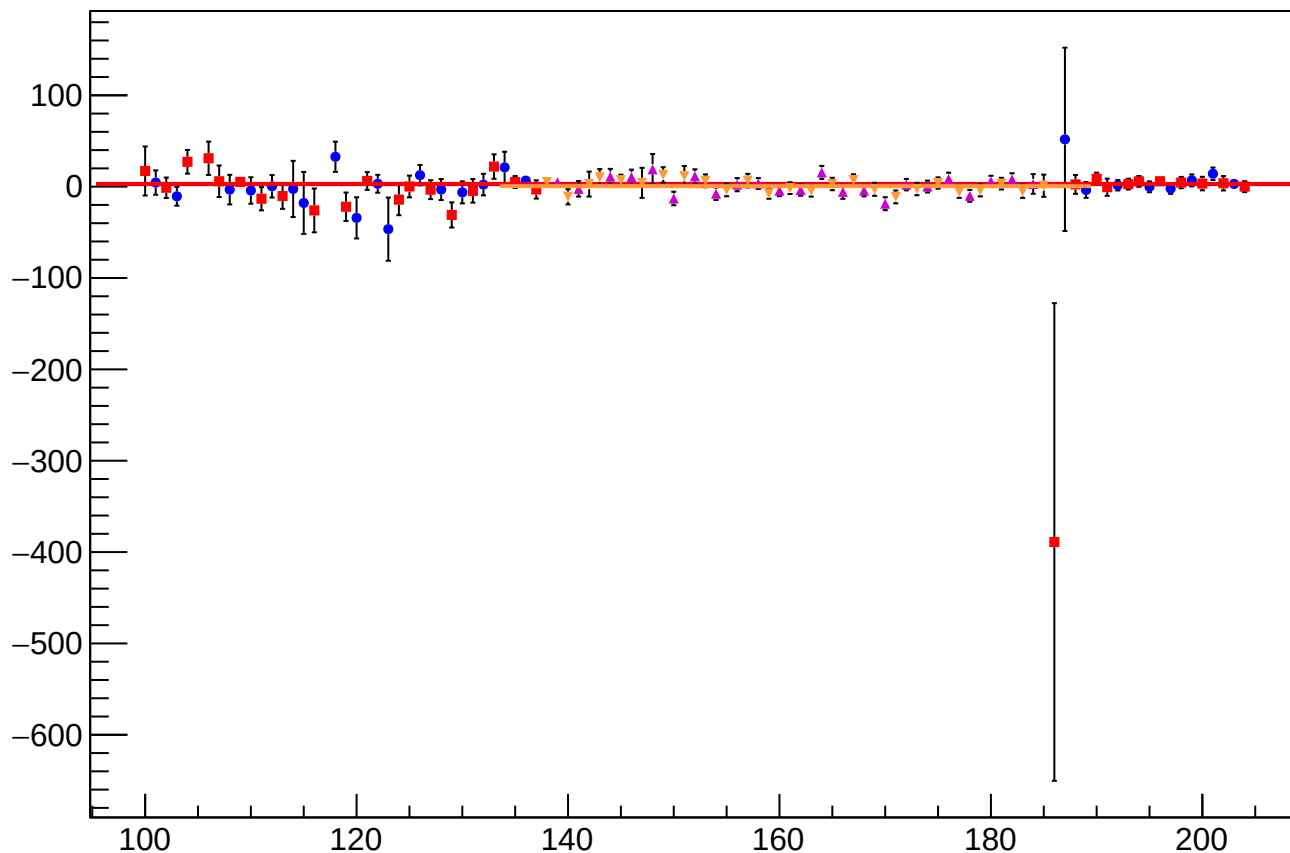
Left In: 8625.233+/-1.466 χ^2/NDF : 237310.9/22

+ sign 9657.885+/-1.310 χ^2/NDF : 6496875.7/49

All: 9803.758+/-0.937 χ^2/NDF : 14417986.2/100

- sign 9956.398+/-1.340 χ^2/NDF : 7895724.0/52

diff_bpm1Y_mean vs Slug



Right In: 2.756 $\pm$ 1.789 χ^2 /NDF: 18.9/24

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.004 $\pm$ 1.599 χ^2 /NDF: 27.6/29

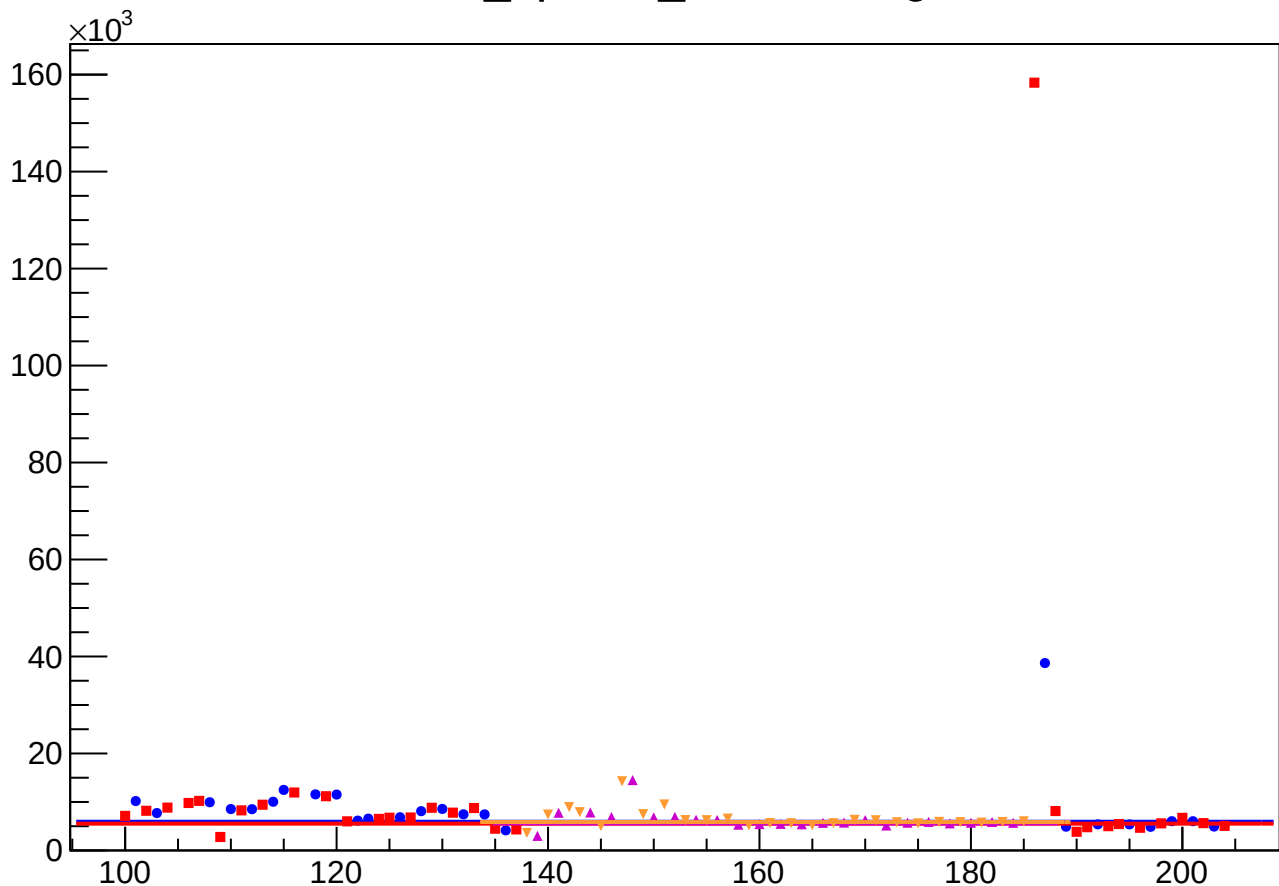
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 1.387 $\pm$ 1.111 χ^2 /NDF: 39.4/49

All: 1.655 $\pm$ 0.764 χ^2 /NDF: 100.4/102

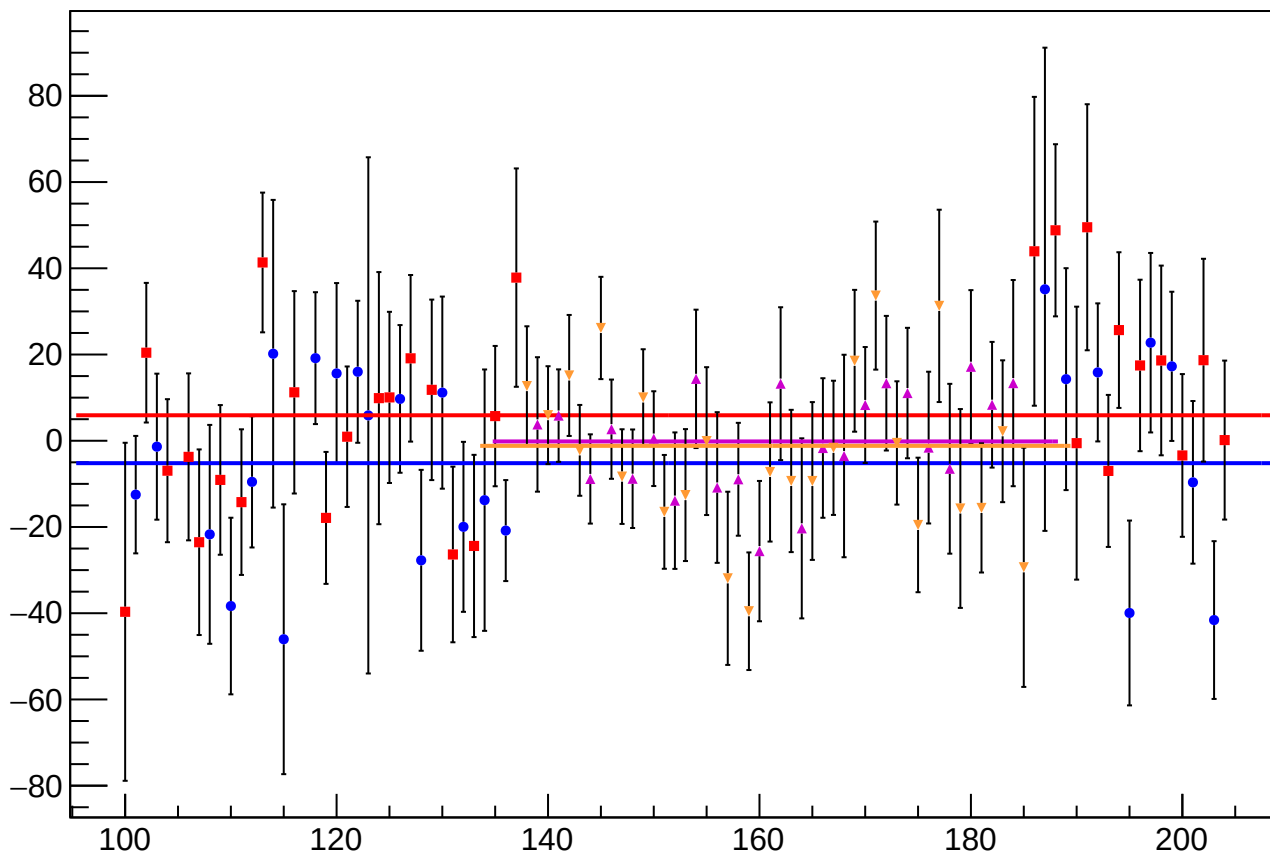
- sign 1.894 $\pm$ 1.052 χ^2 /NDF: 60.9/52

diff_bpm1Y_rms vs Slug



Right In: 5919.717 $\pm$ 1.265	χ^2/NDF : 1959060.3/24	+ sign 5883.408 $\pm$ 0.786	χ^2/NDF : 3650450.9/49
Left Out: 5860.605 $\pm$ 1.002	χ^2/NDF : 1690049.2/24	All: 5708.412 $\pm$ 0.540	χ^2/NDF : 9306508.4/10
Right Out: 5525.818 $\pm$ 1.131	χ^2/NDF : 3398288.4/29	- sign 5551.657 $\pm$ 0.744	χ^2/NDF : 5561996.1/52
Left In: 5571.330 $\pm$ 0.987	χ^2/NDF : 2162788.3/22		

diff_bpm11X_mean vs Slug



Right In: -5.198 ± 3.850 $\chi^2/\text{NDF}: 28.7/24$

Left Out: -1.182 ± 2.939 $\chi^2/\text{NDF}: 33.7/24$

Right Out: 5.910 ± 3.627 $\chi^2/\text{NDF}: 32.3/29$

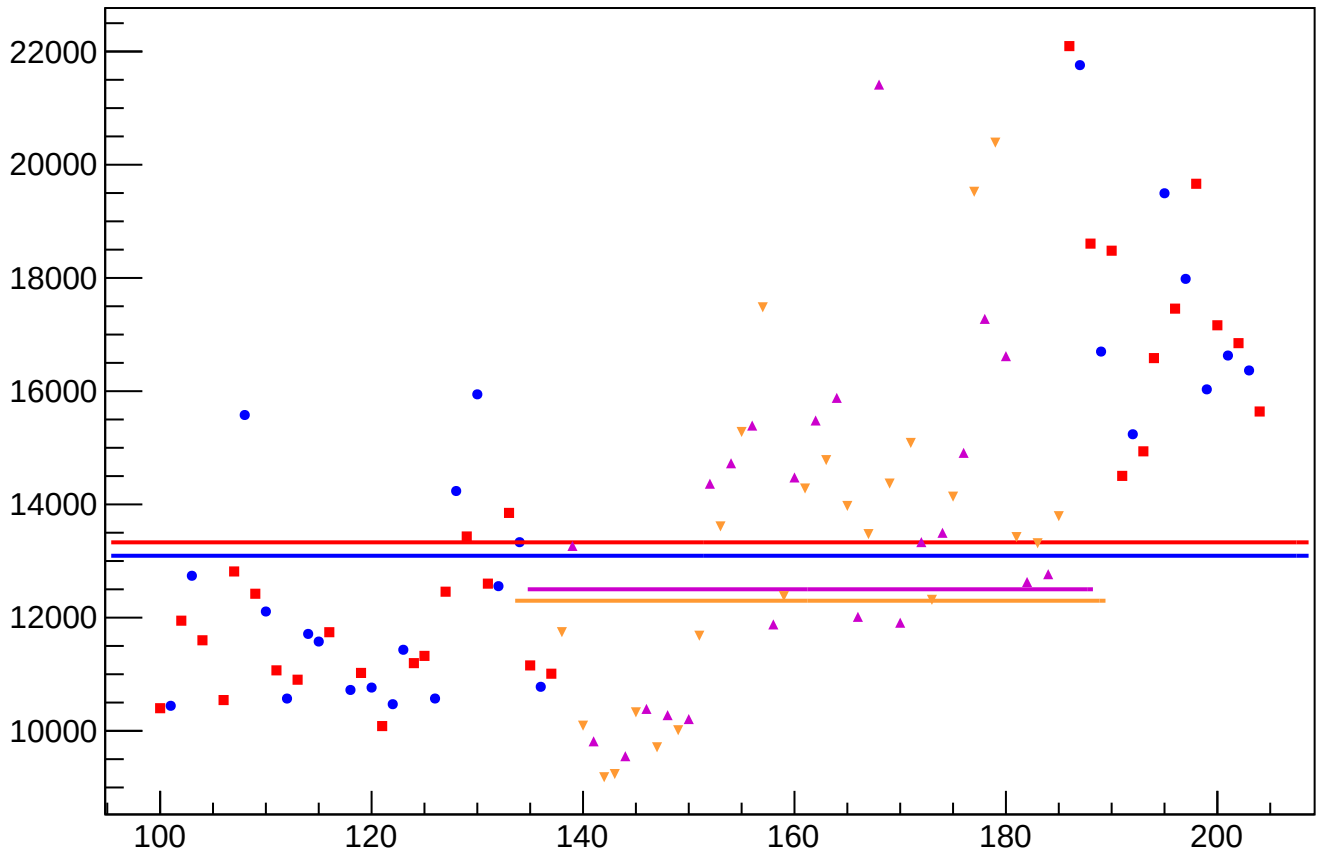
Left In: -0.157 ± 3.058 $\chi^2/\text{NDF}: 11.5/22$

+ sign -2.660 ± 2.336 $\chi^2/\text{NDF}: 63.1/49$

All: -0.150 ± 1.653 $\chi^2/\text{NDF}: 110.9/102$

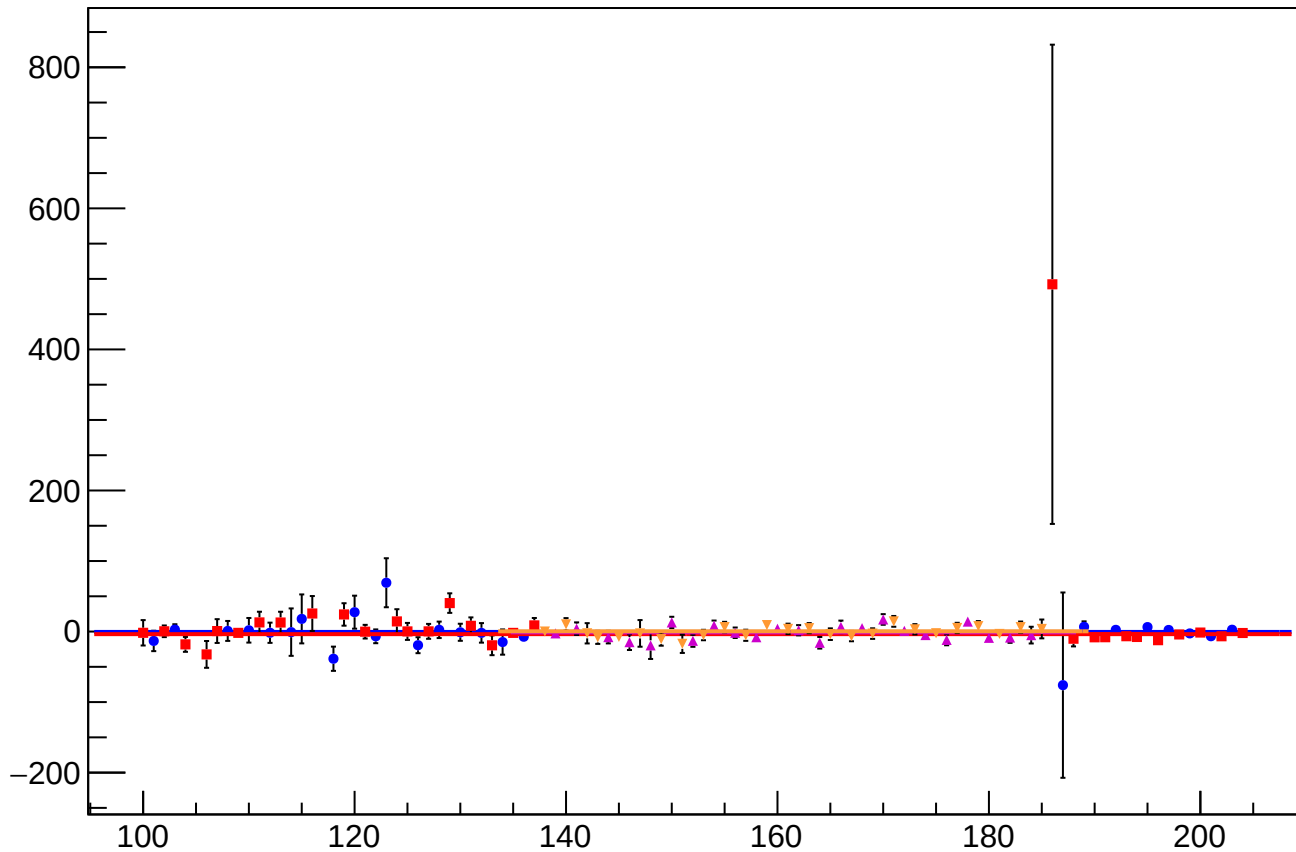
- sign 2.364 ± 2.338 $\chi^2/\text{NDF}: 45.5/52$

diff_bpm11X_rms vs Slug



Right In: 13092.906+/-2.722	χ^2/NDF : 1053782.0/24	+ sign 12591.065+/-1.652	χ^2/NDF : 2613584.2/49
Left Out: 12298.676+/-2.078	χ^2/NDF : 1506026.8/24	All: 12718.104+/-1.168	χ^2/NDF : 5254306.0/1
Right Out: 13329.986+/-2.565	χ^2/NDF : 1209893.0/29	- sign 12845.342+/-1.653	χ^2/NDF : 2628883.2/52
Left In: 12500.795+/-2.162	χ^2/NDF : 1357889.1/22		

diff_bpm11Y_mean vs Slug



Right In: -0.533 ± 1.579 χ^2/NDF : 23.4/24

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -3.678 ± 1.410 χ^2/NDF : 34.6/29

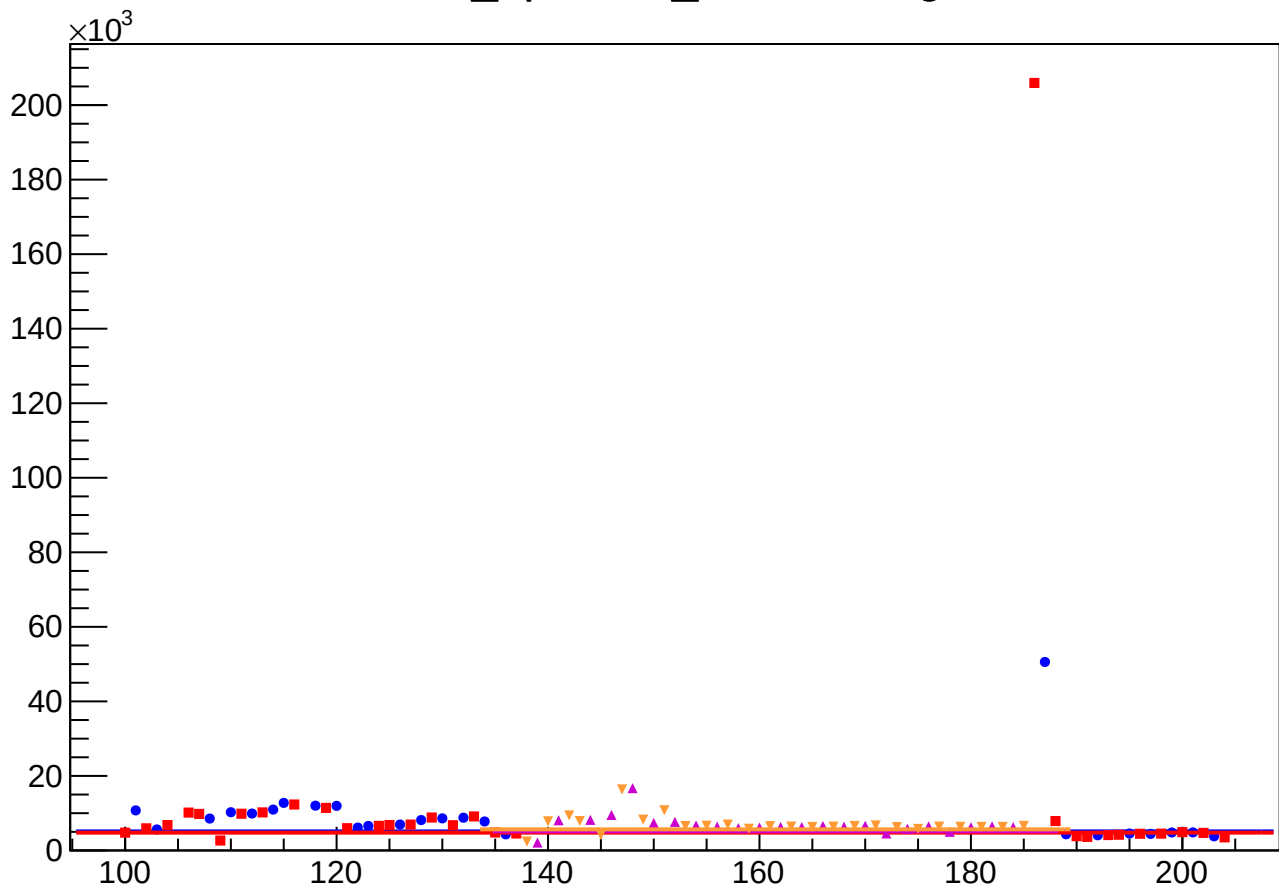
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign -0.047 ± 1.061 χ^2/NDF : 42.7/49

All: -1.306 ± 0.721 χ^2/NDF : 115.1/102

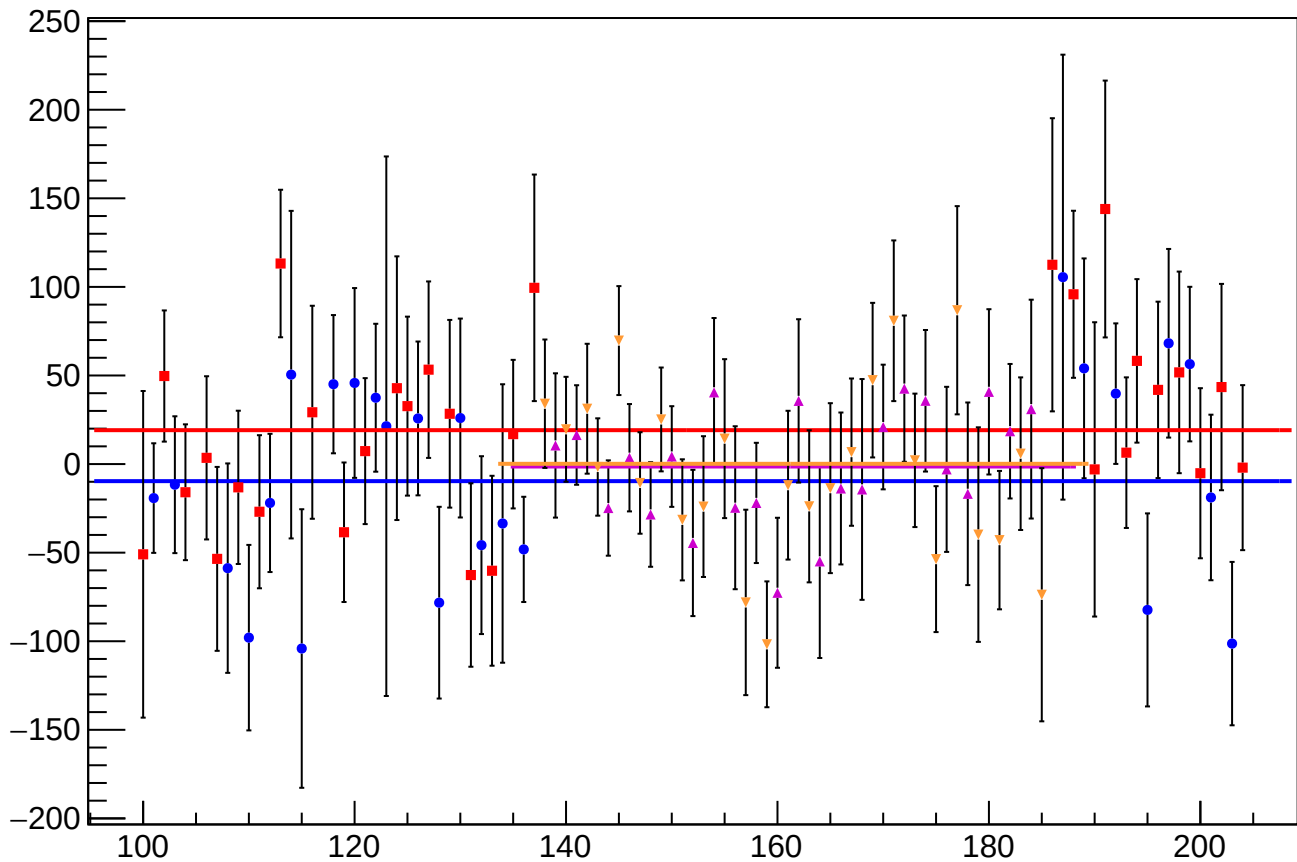
- sign -2.386 ± 0.983 χ^2/NDF : 69.8/52

diff_bpm11Y_rms vs Slug



Right In: 5112.454 ± 1.116 $\chi^2/\text{NDF}: 2741772.9/24$ + sign 5412.276 ± 0.750 $\chi^2/\text{NDF}: 7001957.9/49$
 Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$ All: 5171.688 ± 0.510 $\chi^2/\text{NDF}: 16461692.8/100$
 Right Out: 4782.680 ± 0.997 $\chi^2/\text{NDF}: 3707938.2/29$ - sign 4965.190 ± 0.695 $\chi^2/\text{NDF}: 9268717.7/52$
 Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

diff_bpm12X_mean vs Slug



Right In: -9.636 ± 9.574 χ^2/NDF : 28.6/24

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 19.130 ± 9.034 χ^2/NDF : 29.1/29

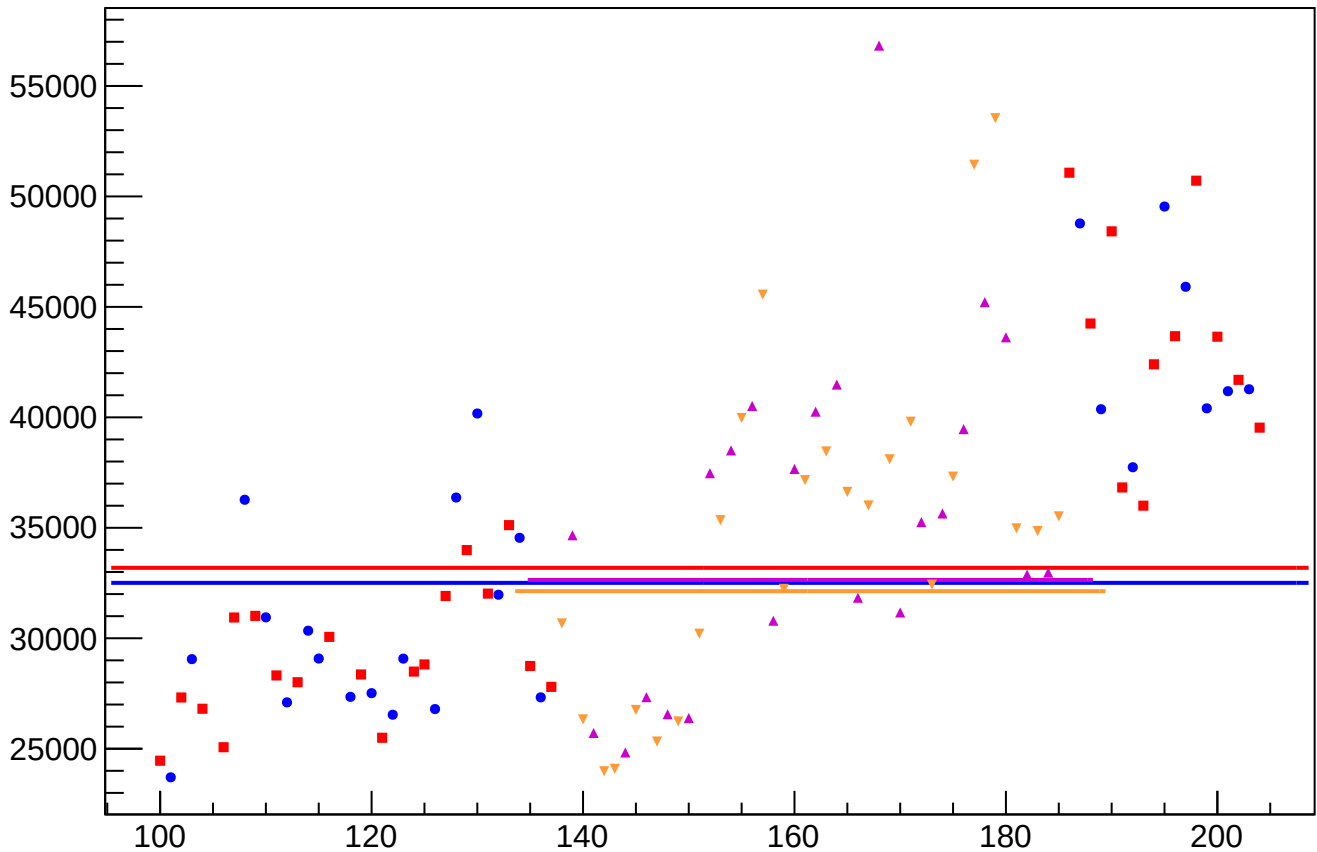
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -3.688 ± 5.992 χ^2/NDF : 60.5/49

All: 1.975 ± 4.235 χ^2/NDF : 107.5/102

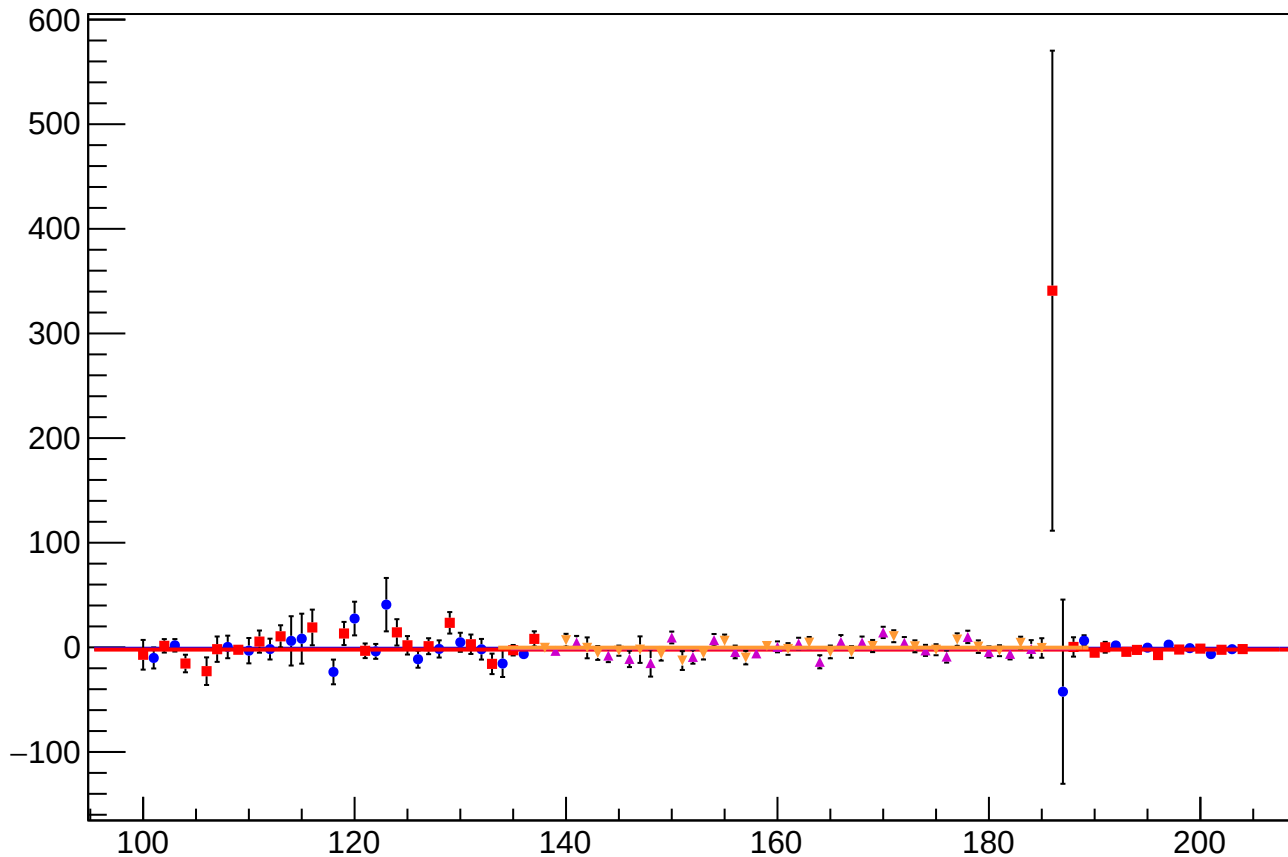
- sign 7.625 ± 5.985 χ^2/NDF : 45.3/52

diff_bpm12X_rms vs Slug



Right In: 32508.310+/-6.770	$\chi^2/\text{NDF: } 1099630.2/24$	+ sign 32279.610+/-4.237	$\chi^2/\text{NDF: } 2641586.0/49$
Left Out: 32132.314+/-5.433	$\chi^2/\text{NDF: } 1540079.4/24$	All: 32581.026+/-2.994	$\chi^2/\text{NDF: } 5296752.2/52$
Right Out: 33189.275+/-6.388	$\chi^2/\text{NDF: } 1238764.2/29$	- sign 32881.735+/-4.232	$\chi^2/\text{NDF: } 2645057.3/52$
Left In: 32641.162+/-5.650	$\chi^2/\text{NDF: } 1402162.4/22$		

diff_bpm12Y_mean vs Slug



Right In: -1.315 ± 1.056 χ^2/NDF : 23.4/24

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -2.141 ± 0.980 χ^2/NDF : 29.6/29

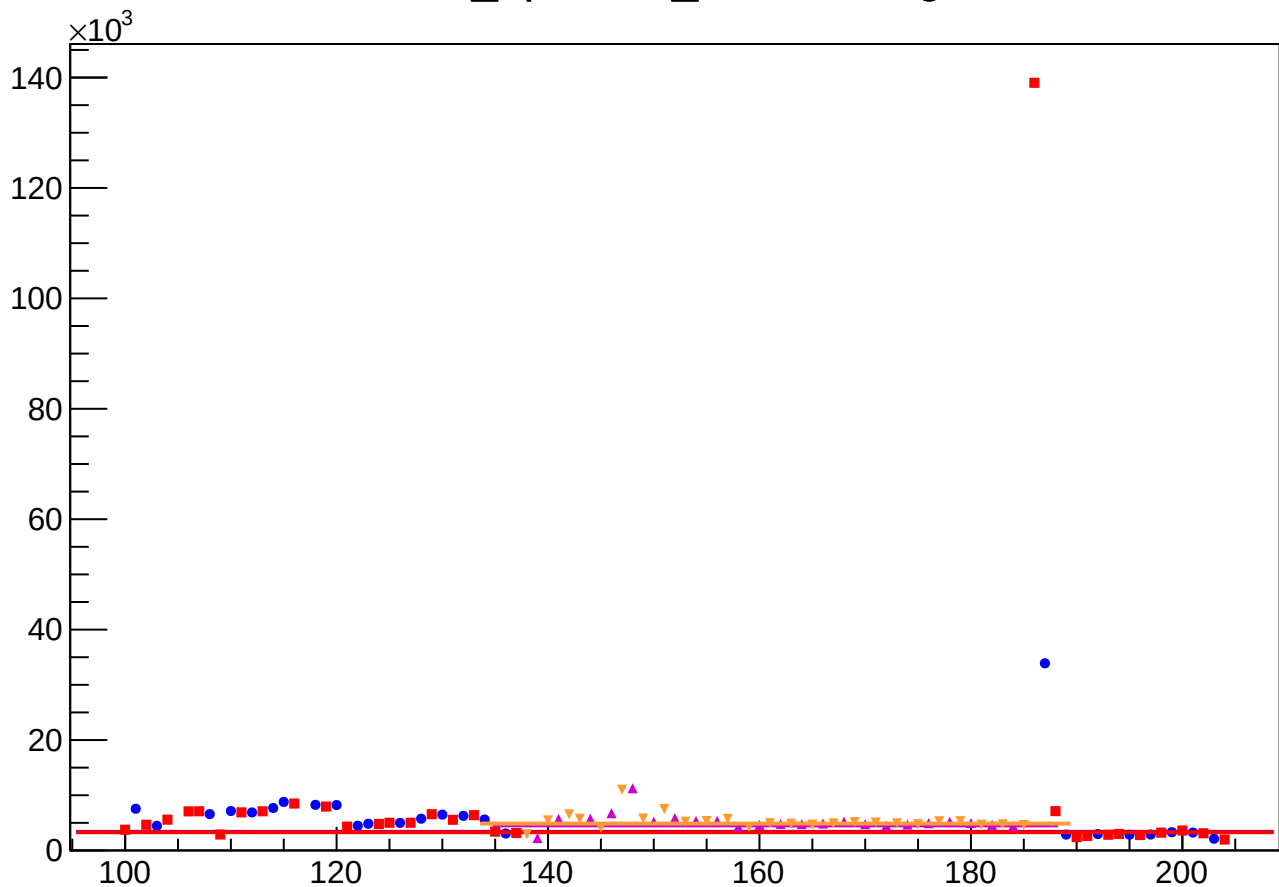
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.865 ± 0.785 χ^2/NDF : 41.4/49

All: -1.262 ± 0.540 χ^2/NDF : 108.4/102

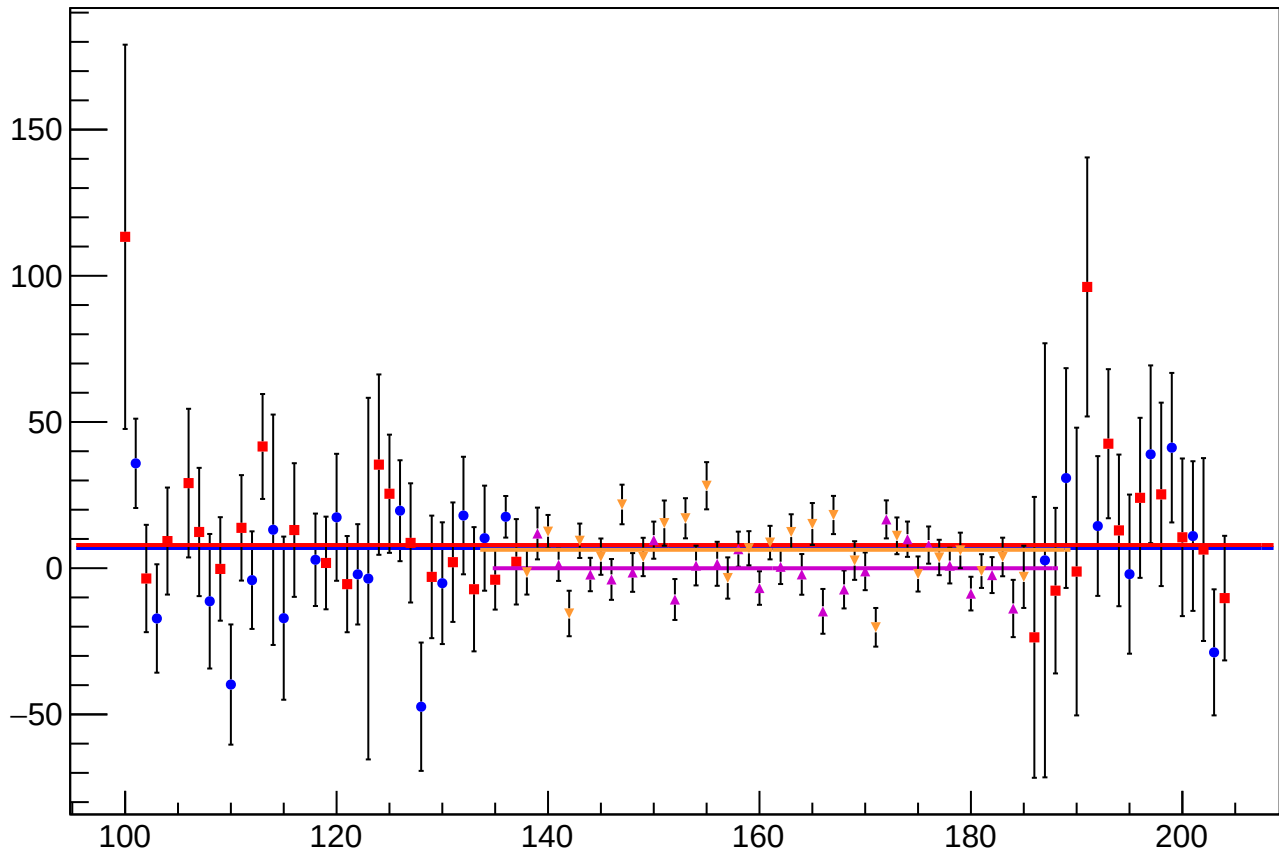
- sign -1.618 ± 0.744 χ^2/NDF : 66.5/52

diff_bpm12Y_rms vs Slug



Right In: 3363.773 ± 0.747	$\chi^2/\text{NDF}: 3433993.4/24$	+ sign 4038.484 ± 0.555	$\chi^2/\text{NDF}: 6764892.3/49$
Left Out: 4868.567 ± 0.829	$\chi^2/\text{NDF}: 1511151.0/24$	All: 3929.220 ± 0.382	$\chi^2/\text{NDF}: 15159530.1/1$
Right Out: 3306.243 ± 0.693	$\chi^2/\text{NDF}: 4332840.0/29$	- sign 3831.058 ± 0.526	$\chi^2/\text{NDF}: 8320998.5/52$
Left In: 4544.337 ± 0.808	$\chi^2/\text{NDF}: 2634314.4/22$		

diff_bpm16X_mean vs Slug



Right In: 6.913 ± 3.777 $\chi^2/\text{NDF}: 28.8/24$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: 7.923 ± 3.823 $\chi^2/\text{NDF}: 20.3/29$

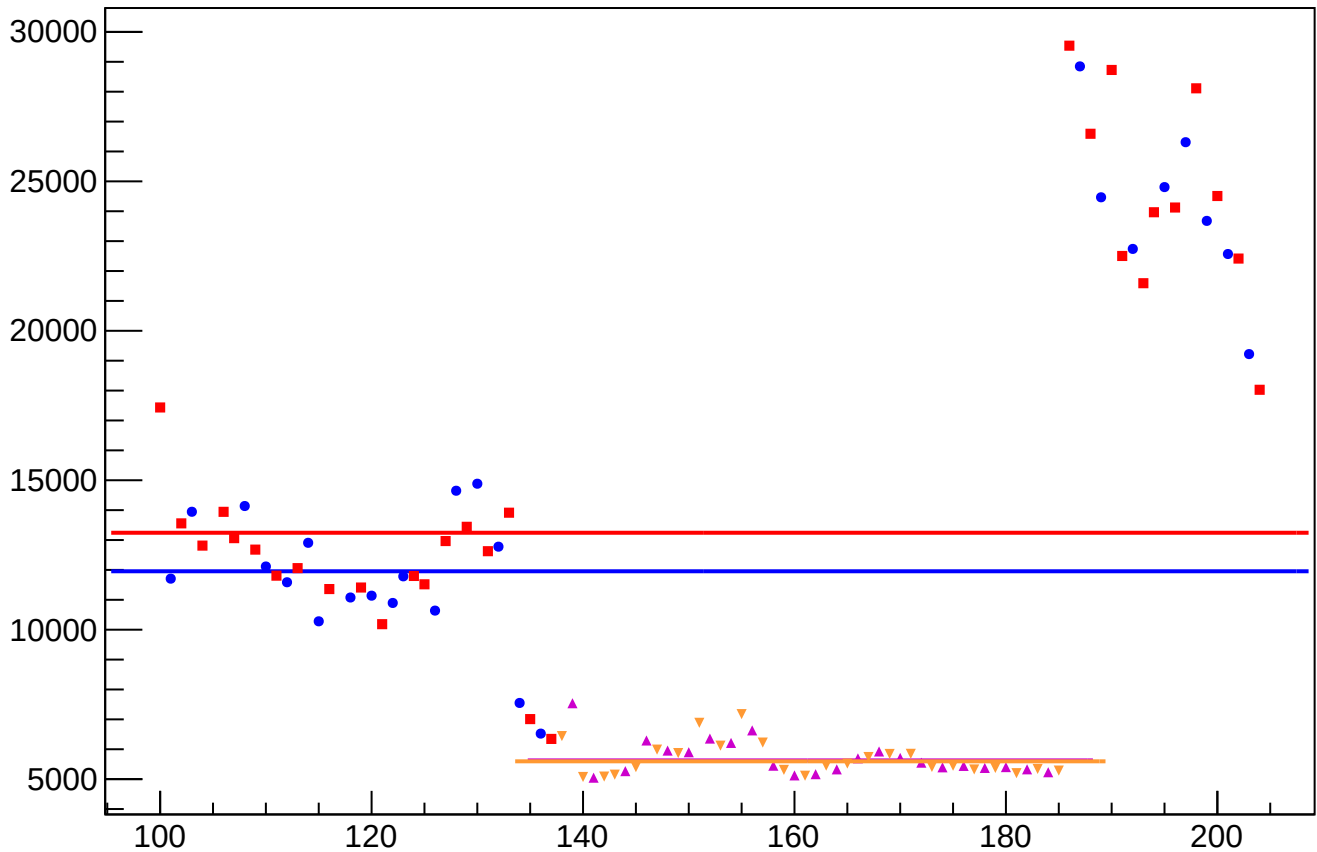
Left In: -0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

+ sign 6.362 ± 1.238 $\chi^2/\text{NDF}: 85.3/49$

All: 3.696 ± 0.888 $\chi^2/\text{NDF}: 149.0/102$

- sign 0.864 ± 1.276 $\chi^2/\text{NDF}: 54.1/52$

diff_bpm16X_rms vs Slug



Right In: 11954.767 ± 2.671 χ^2/NDF : 4055048.3/24

Left Out: 5596.370 ± 0.926 χ^2/NDF : 283998.1/24

Right Out: 13243.421 ± 2.703 χ^2/NDF : 4262616.1/29

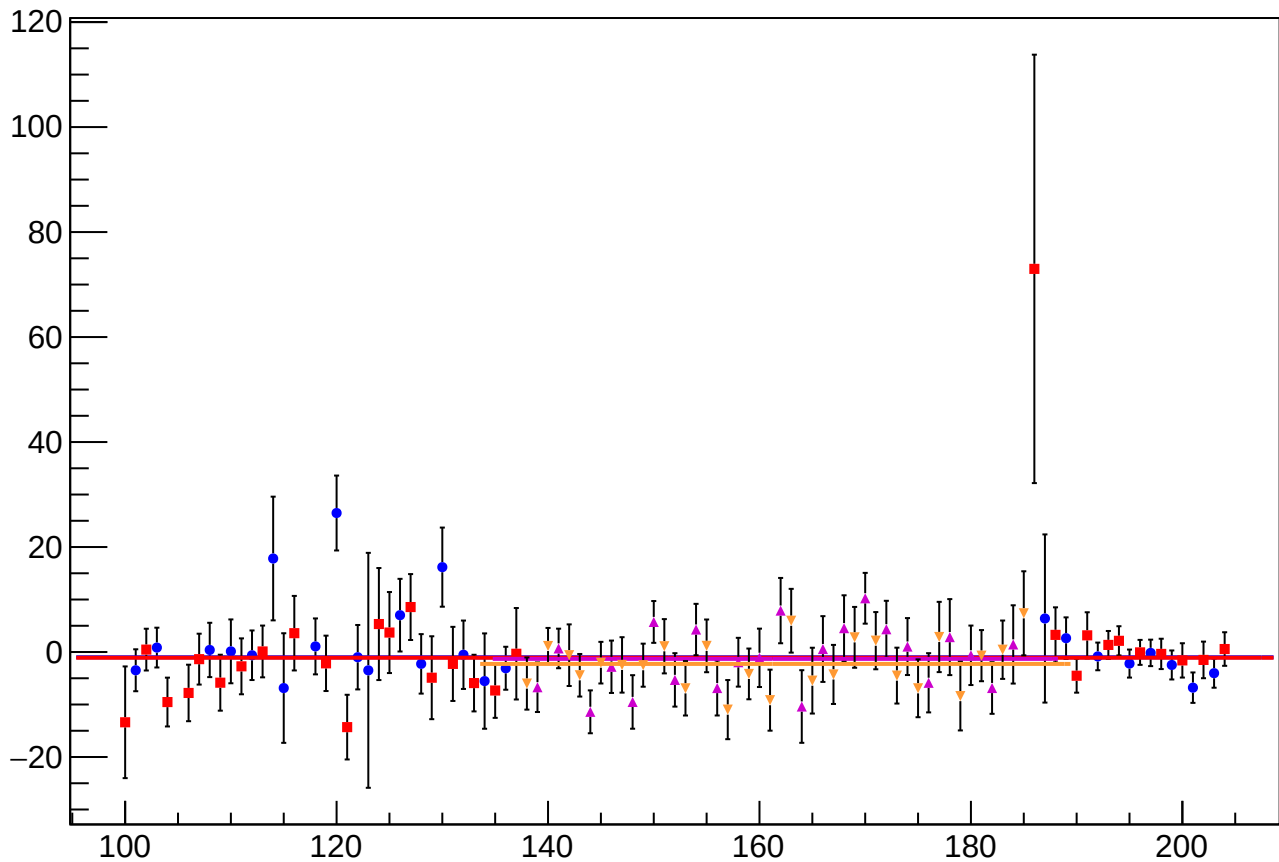
Left In: 5627.283 ± 0.957 χ^2/NDF : 279318.7/22

+ sign 6279.366 ± 0.875 χ^2/NDF : 9398827.9/49

All: 6374.256 ± 0.628 χ^2/NDF : 21018067.5/1

- sign 6475.022 ± 0.902 χ^2/NDF : 11595005.1/52

diff_bpm16Y_mean vs Slug



Right In: -1.004 ± 0.846 χ^2/NDF : 32.5/24

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.087 ± 0.794 χ^2/NDF : 26.8/29

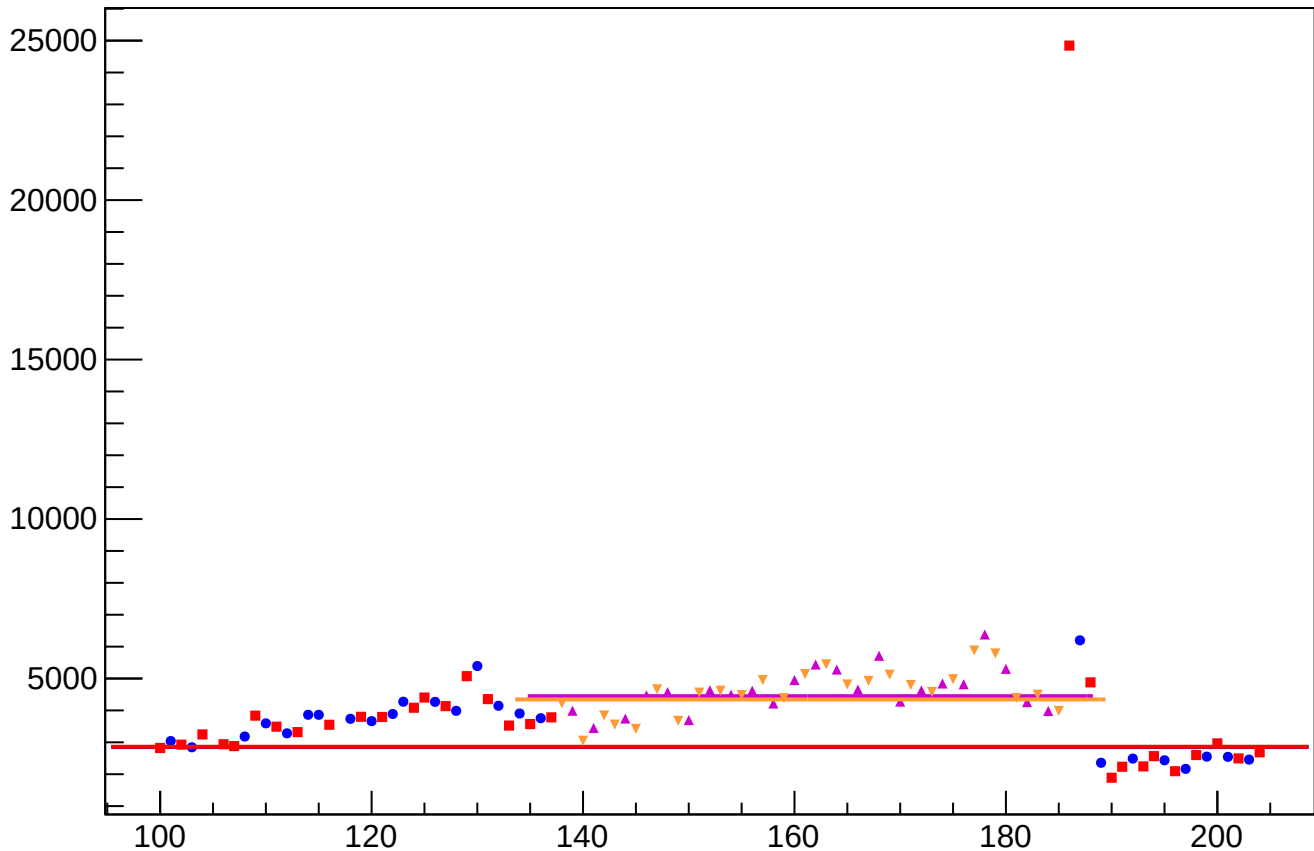
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.514 ± 0.654 χ^2/NDF : 48.8/49

All: -1.335 ± 0.457 χ^2/NDF : 106.6/102

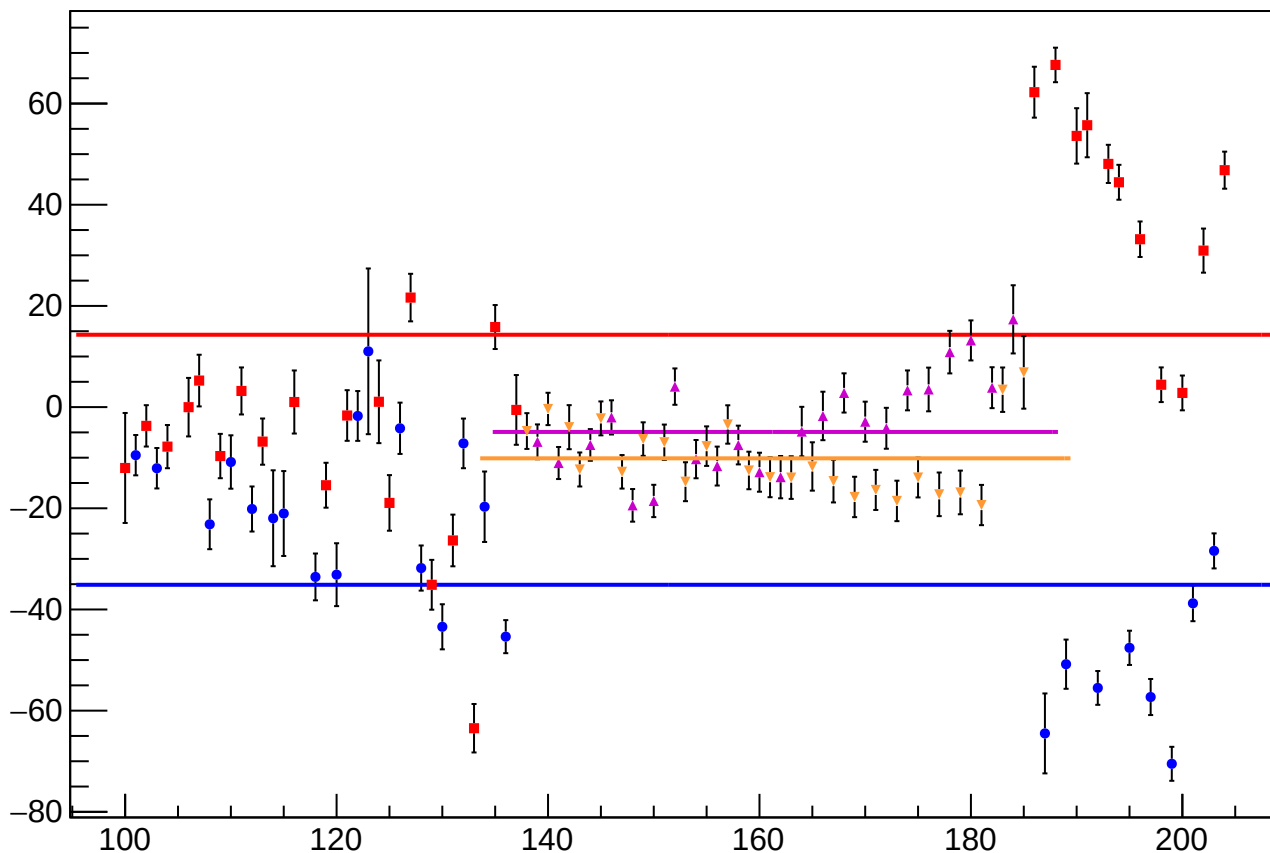
- sign -1.164 ± 0.639 χ^2/NDF : 57.6/52

diff_bpm16Y_rms vs Slug



Right In: 2851.657+/-0.598	χ^2/NDF : 1271824.5/24	+ sign 3454.106+/-0.462	χ^2/NDF : 4784998.7/49
Left Out: 4345.381+/-0.728	χ^2/NDF : 1000636.1/24	All: 3436.099+/-0.323	χ^2/NDF : 10562485.6/100
Right Out: 2860.756+/-0.561	χ^2/NDF : 2263754.2/29	- sign 3418.895+/-0.452	χ^2/NDF : 5774520.2/52
Left In: 4446.181+/-0.762	χ^2/NDF : 702797.6/22		

diff_bpm0l01X_mean vs Slug



Right In: -35.120 ± 0.892 χ^2/NDF : 489.8/24

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 14.303 ± 0.827 χ^2/NDF : 1379.6/29

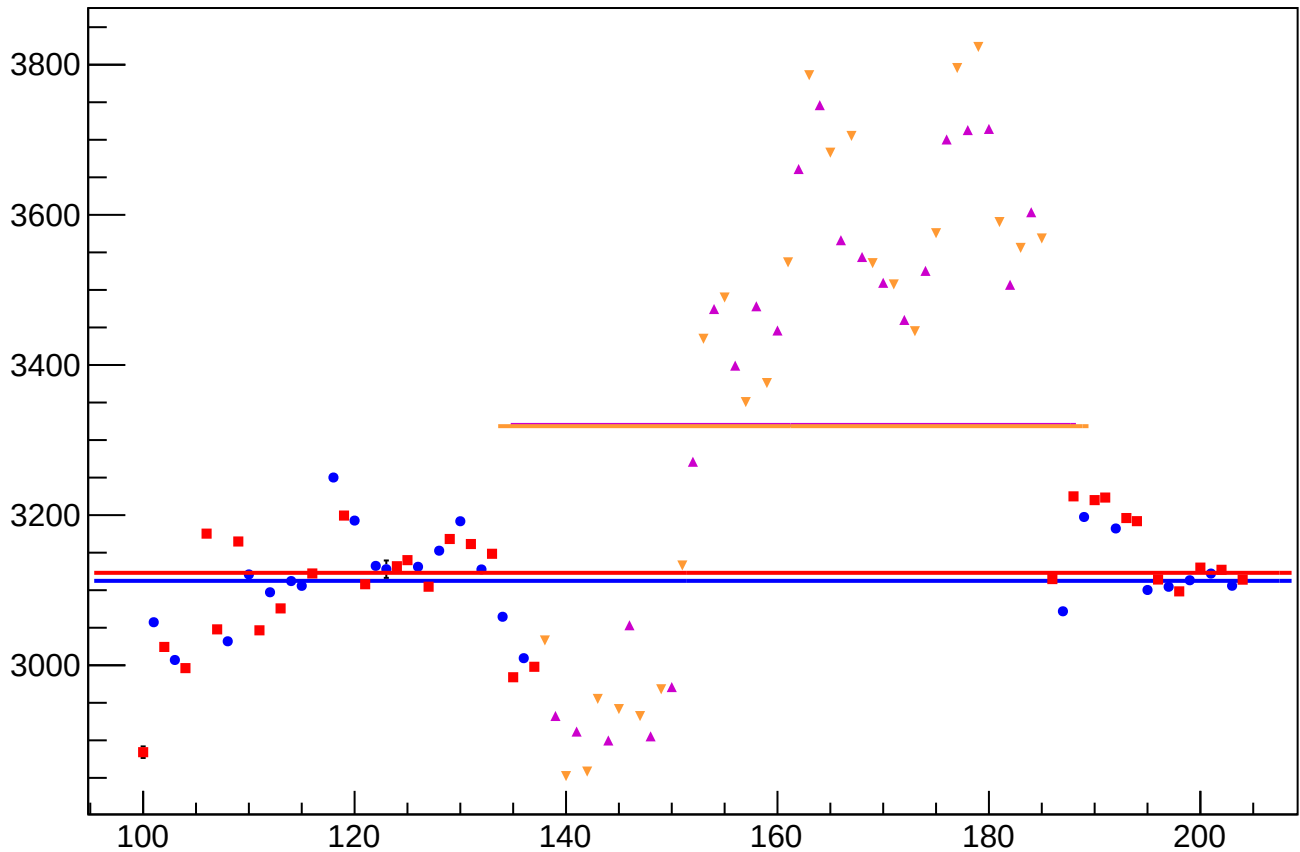
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -20.886 ± 0.585 χ^2/NDF : 1005.0/49

All: -8.032 ± 0.410 χ^2/NDF : 3738.9/102

- sign 4.338 ± 0.574 χ^2/NDF : 1787.2/52

diff_bpm0l01X_rms vs Slug



Right In: 3112.457 $\pm$ 0.631 χ^2 /NDF: 8996.9/24

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3123.155 $\pm$ 0.585 χ^2 /NDF: 13741.5/29

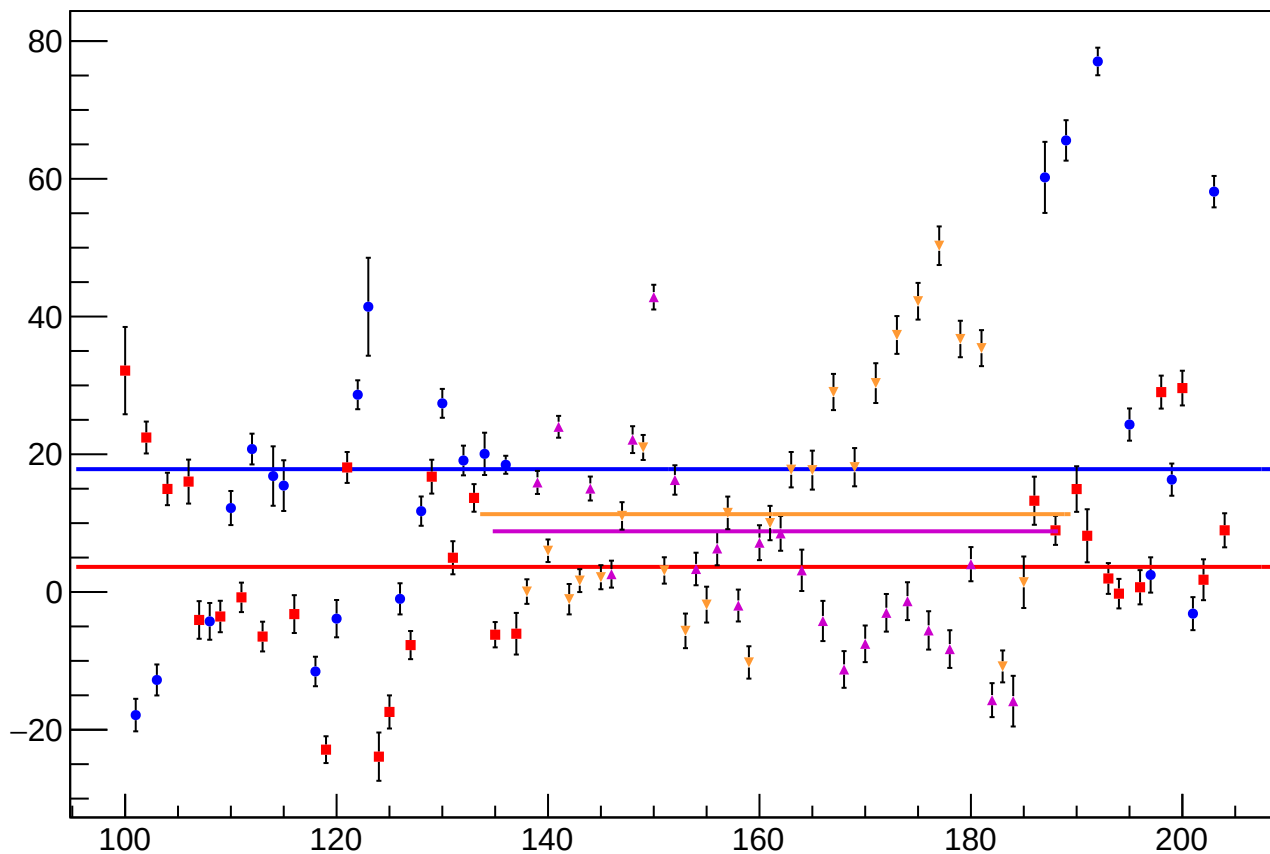
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3229.797 $\pm$ 0.414 χ^2 /NDF: 407483.4/49

All: 3227.524 $\pm$ 0.290 χ^2 /NDF: 767727.6/102

- sign 3225.336 $\pm$ 0.406 χ^2 /NDF: 360184.9/52

diff_bpm0l01Y_mean vs Slug



Right In: 17.840 $\pm$ 0.474 χ^2 /NDF: 2516.4/24

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 3.648 $\pm$ 0.448 χ^2 /NDF: 919.9/29

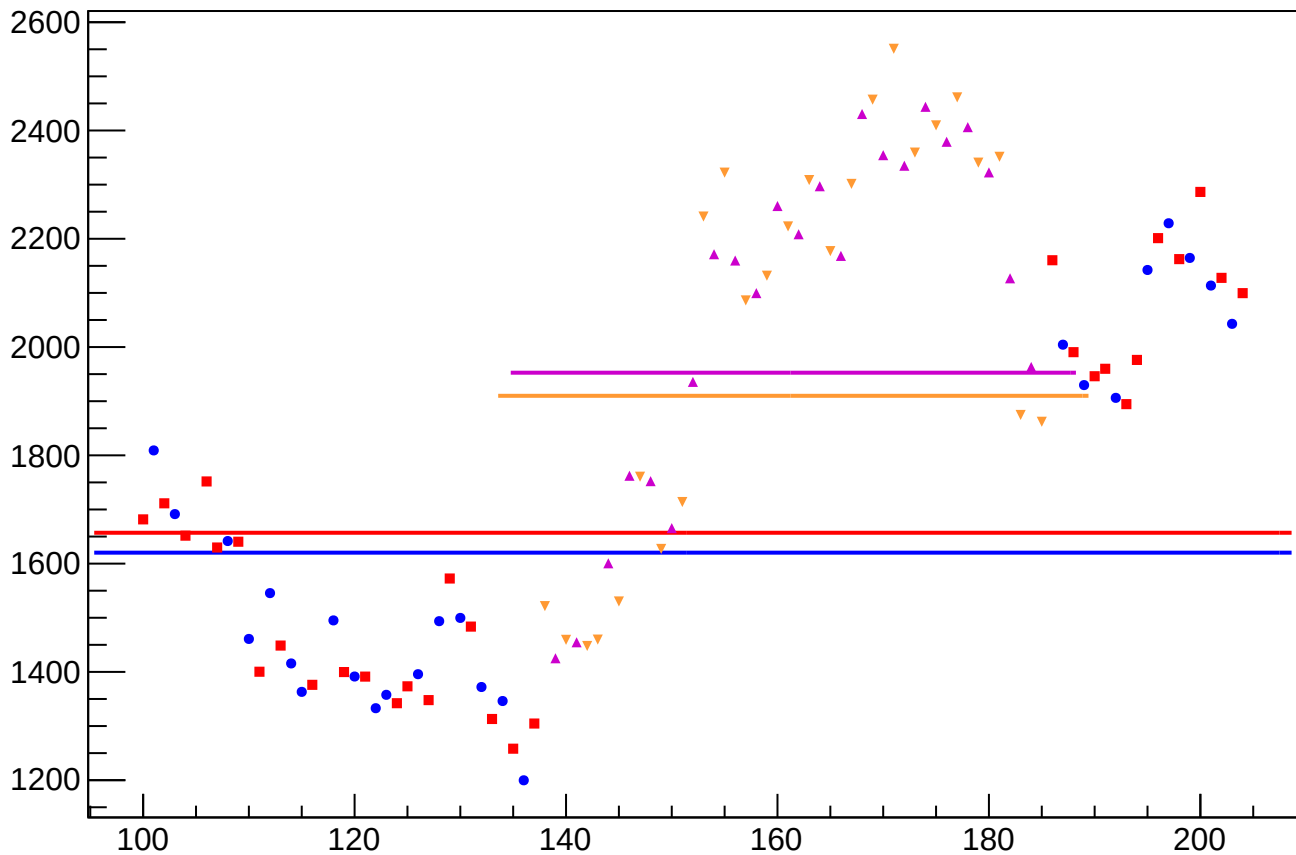
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 14.429 $\pm$ 0.328 χ^2 /NDF: 3759.8/49

All: 10.229 $\pm$ 0.231 χ^2 /NDF: 6010.7/102

- sign 6.078 $\pm$ 0.326 χ^2 /NDF: 1924.7/52

diff_bpm0l01Y_rms vs Slug



Right In: 1620.248 $\pm$ 0.335 χ^2 /NDF: 931684.8/24

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1657.005 $\pm$ 0.317 χ^2 /NDF: 1027532.2/29

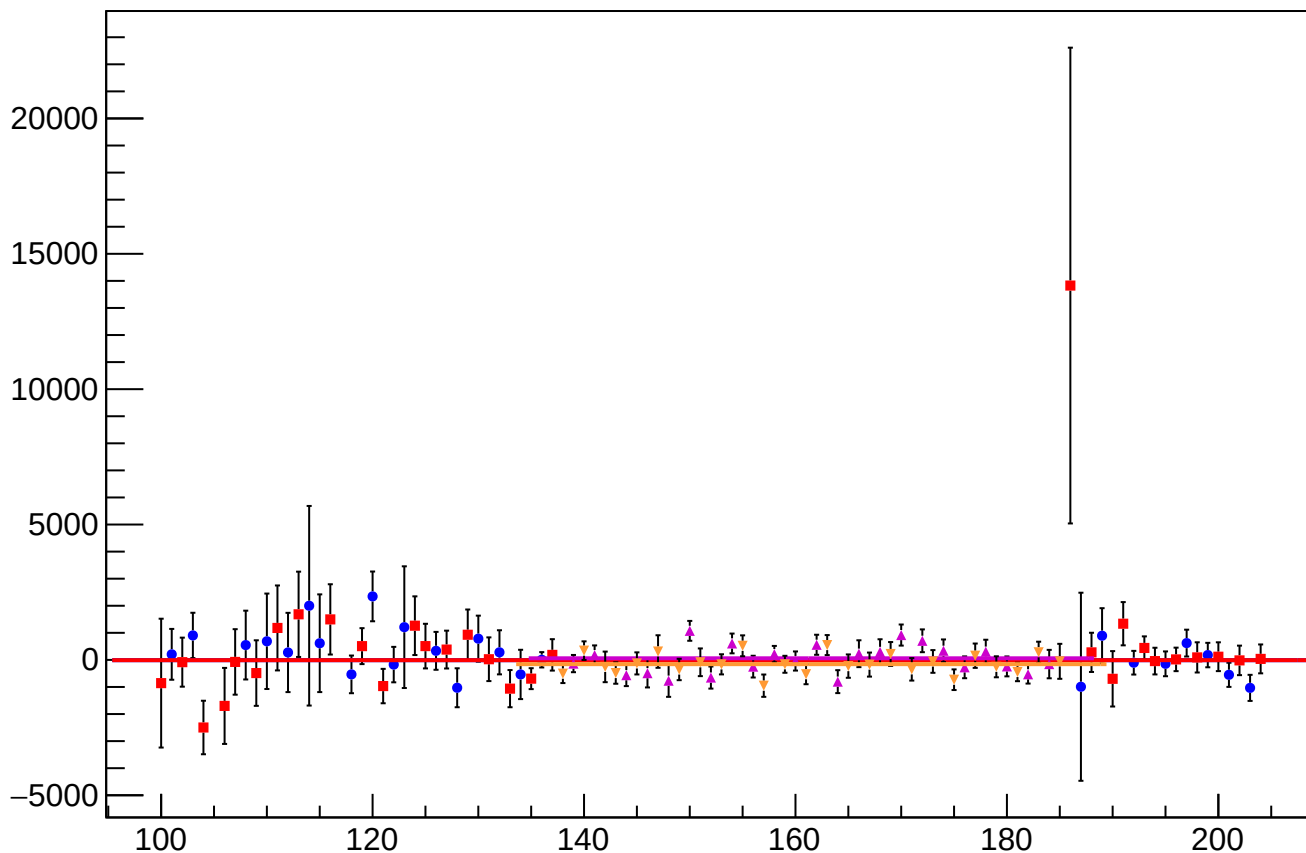
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1771.482 $\pm$ 0.232 χ^2 /NDF: 2720706.9/49

All: 1783.829 $\pm$ 0.163 χ^2 /NDF: 5228967.5/10

- sign 1796.033 $\pm$ 0.231 χ^2 /NDF: 2502621.8/52

asym_sam1_mean vs Slug



Right In: -10.241 ± 129.084 χ^2/NDF : 21.9/24

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -10.105 ± 126.753 χ^2/NDF : 29.9/29

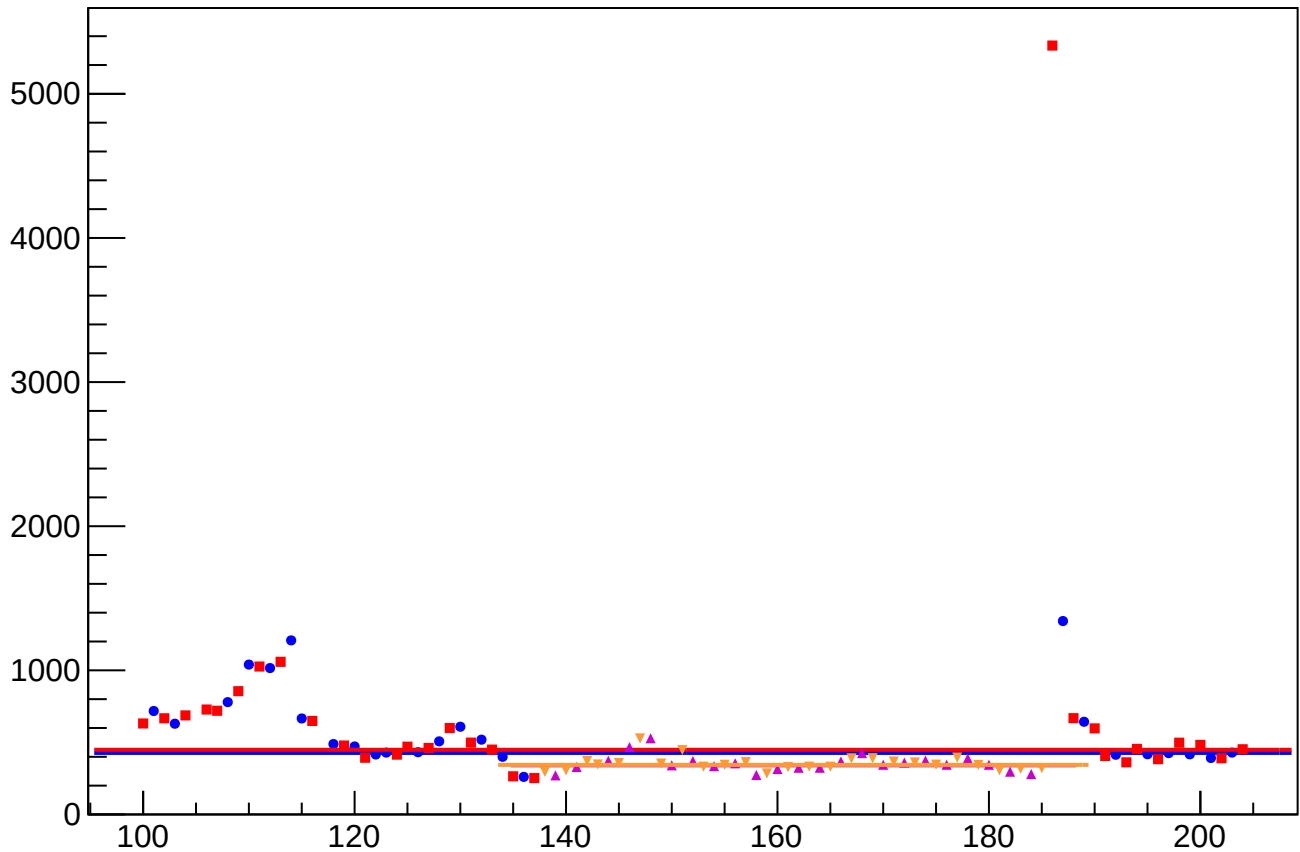
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -115.862 ± 68.486 χ^2/NDF : 44.9/49

All: -39.543 ± 48.675 χ^2/NDF : 116.0/102

- sign 38.360 ± 69.194 χ^2/NDF : 68.6/52

asym_sam1_rms vs Slug



Right In: 426.927 $\pm$ 0.091 χ^2 /NDF: 2252153.5/24

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 448.625 $\pm$ 0.090 χ^2 /NDF: 3058772.7/29

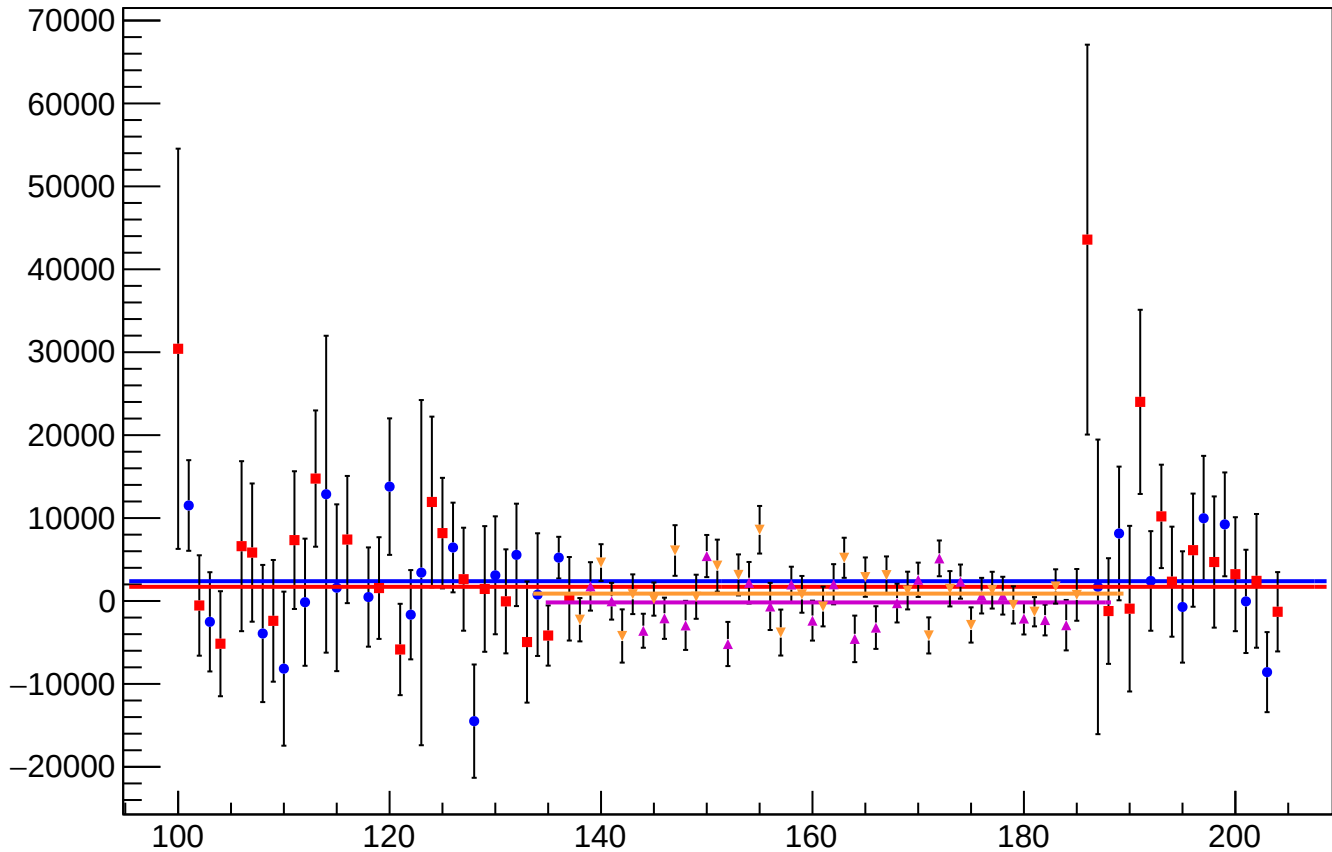
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 367.205 $\pm$ 0.048 χ^2 /NDF: 3387437.0/49

All: 370.065 $\pm$ 0.034 χ^2 /NDF: 8192501.9/102

- sign 372.986 $\pm$ 0.049 χ^2 /NDF: 4798012.7/52

asym_sam2_mean vs Slug



Right In: 2386.396 $\pm$ 1235.169 χ^2 /NDF: 24.9/24

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF: 38.0/24

Right Out: 1710.219 $\pm$ 1242.448 χ^2 /NDF: 24.9/29

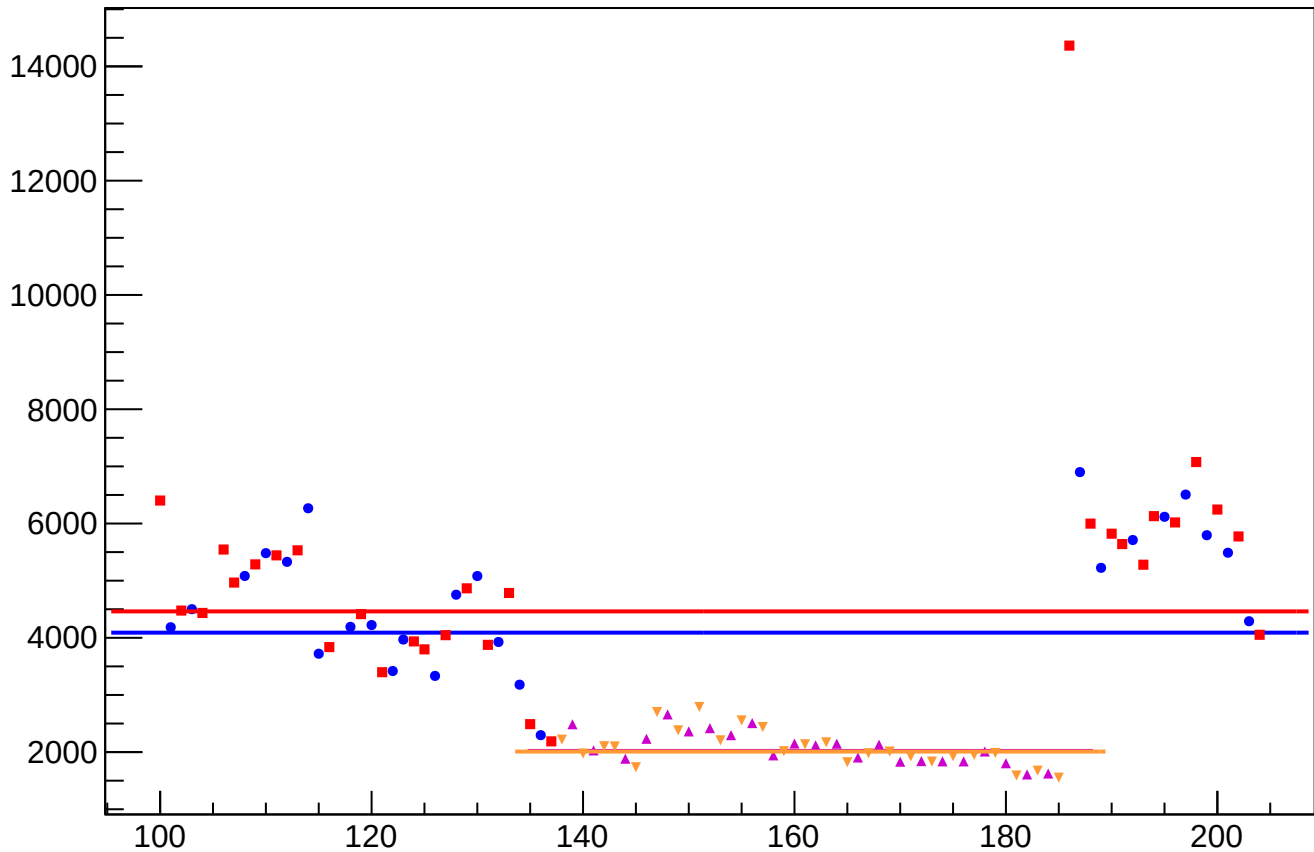
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF: 33.2/22

+ sign 1081.905 $\pm$ 441.933 χ^2 /NDF: 64.1/49

All: 594.398 $\pm$ 316.767 χ^2 /NDF: 126.6/102

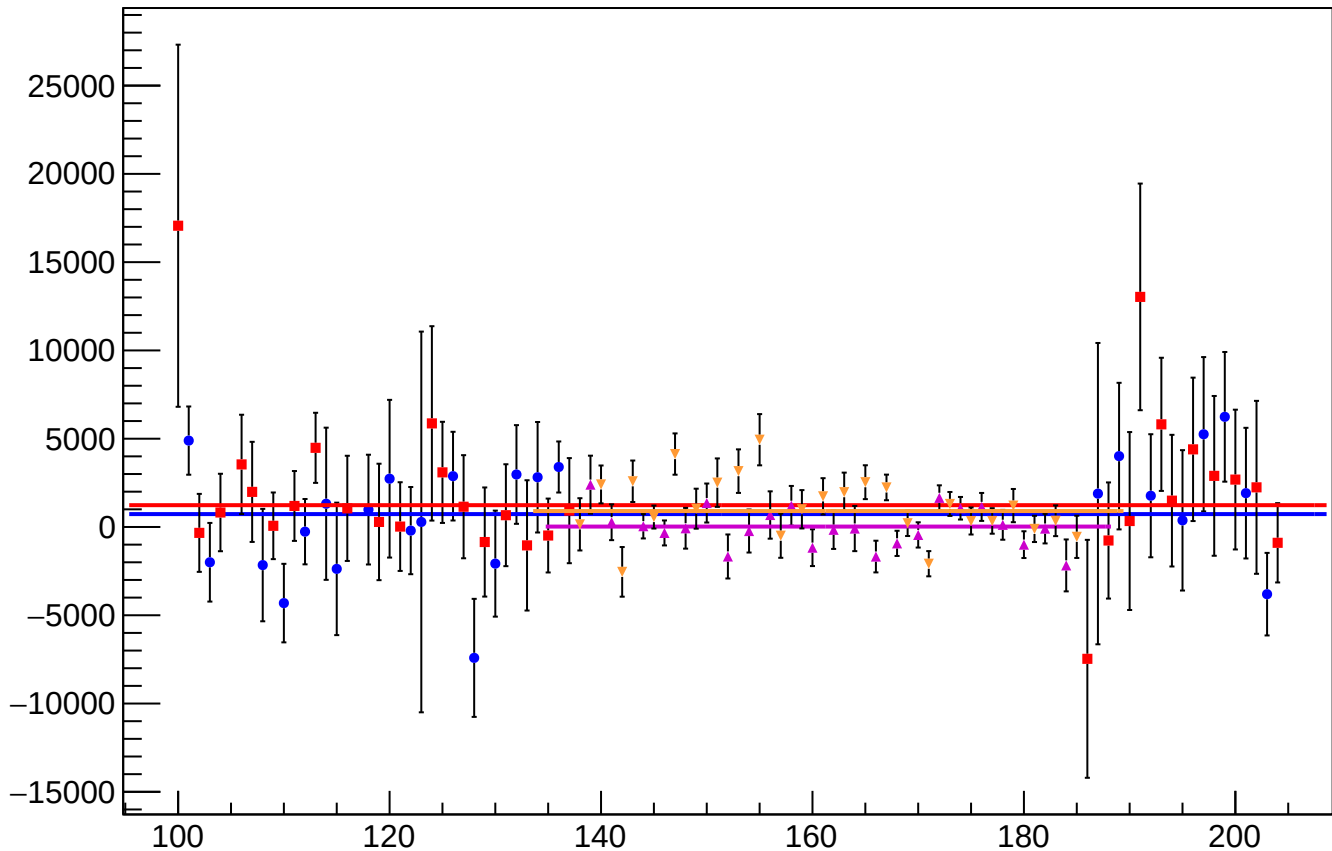
- sign 79.284 $\pm$ 454.274 χ^2 /NDF: 60.1/52

asym_sam2_rms vs Slug



Right In: 4090.377+/-0.873	χ^2/NDF : 2221872.6/24	+ sign 2275.997+/-0.312	χ^2/NDF : 7880932.0/49
Left Out: 2009.631+/-0.335	χ^2/NDF : 709977.6/24	All: 2310.451+/-0.224	χ^2/NDF : 17666991.2/1
Right Out: 4462.617+/-0.879	χ^2/NDF : 2492884.4/29	- sign 2346.855+/-0.321	χ^2/NDF : 9761059.3/52
Left In: 2020.365+/-0.345	χ^2/NDF : 573483.0/22		

asym_sam3_mean vs Slug



Right In: 730.094 $\pm$ 560.745 χ^2/NDF : 33.4/24

Left Out: 902.091 $\pm$ 185.850 χ^2/NDF : 63.5/24

Right Out: 1235.245 $\pm$ 536.712 χ^2/NDF : 18.5/29

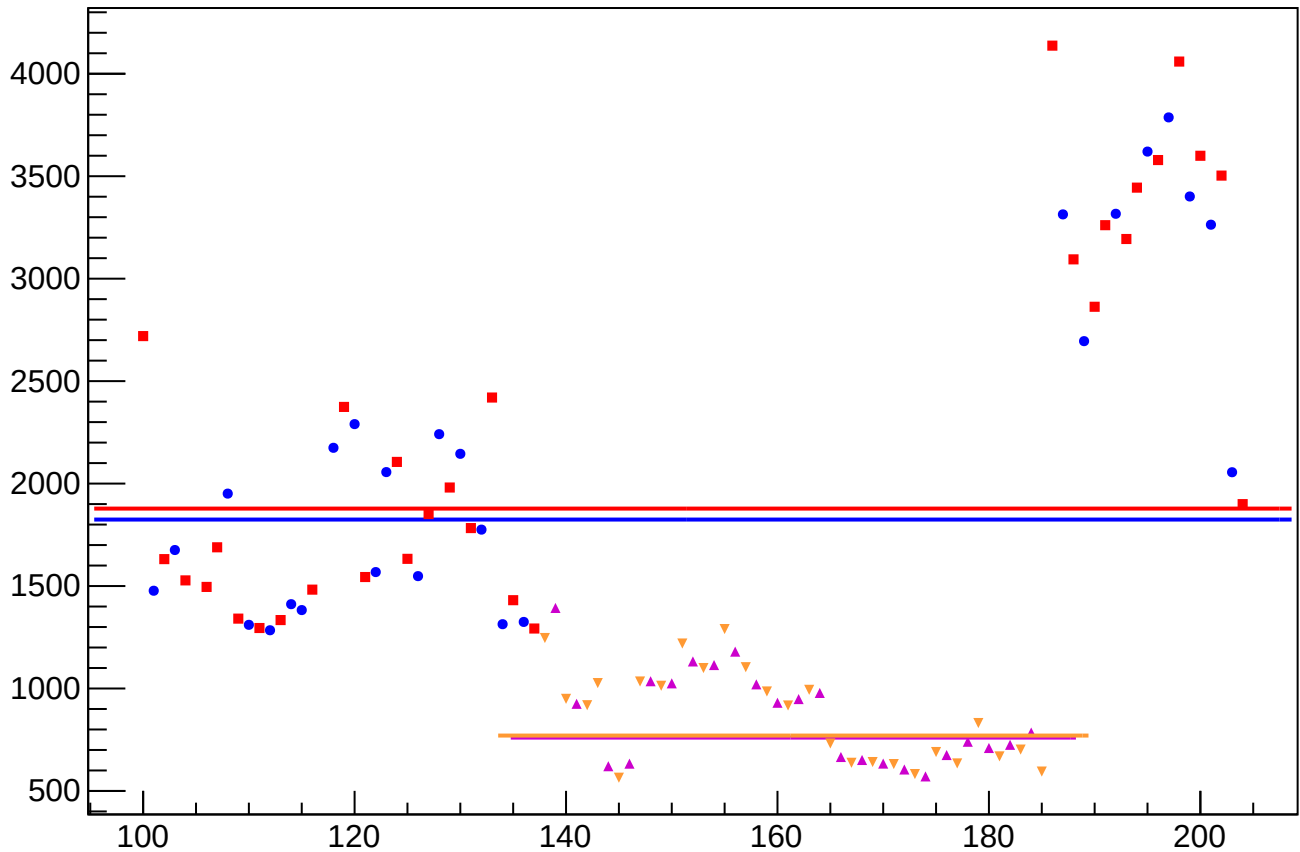
Left In: 23.529 $\pm$ 188.137 χ^2/NDF : 28.2/22

+ sign 885.068 $\pm$ 176.413 χ^2/NDF : 97.0/49

All: 522.928 $\pm$ 125.141 χ^2/NDF : 156.7/102

- sign 156.127 $\pm$ 177.545 χ^2/NDF : 51.2/52

asym_sam3_rms vs Slug



Right In: 1824.460 ± 0.397 $\chi^2/\text{NDF}: 2857771.7/24$

Left Out: 770.320 ± 0.131 $\chi^2/\text{NDF}: 2287655.1/24$

+ sign 874.655 ± 0.125 $\chi^2/\text{NDF}: 11513846.3/49$

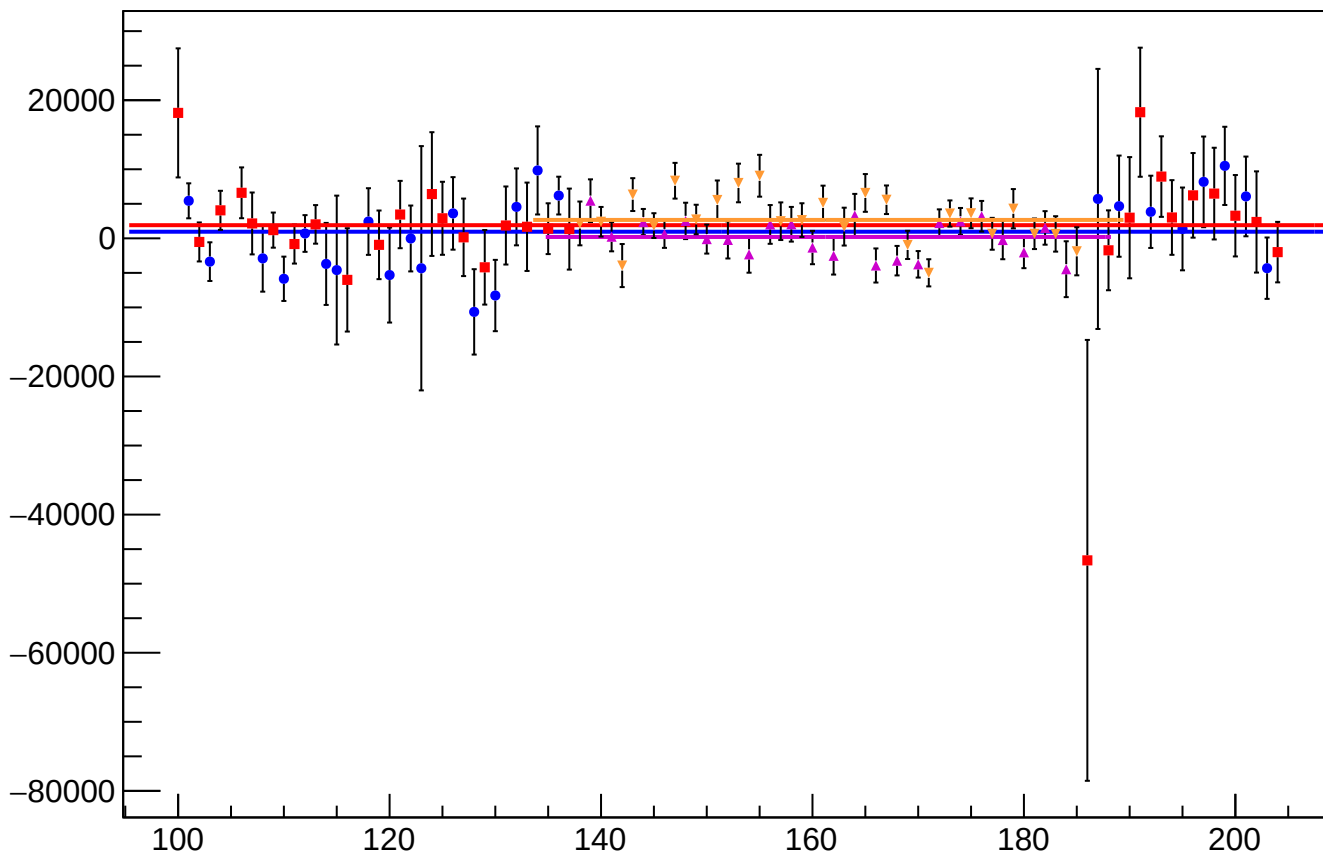
Right Out: 1877.978 ± 0.380 $\chi^2/\text{NDF}: 3649379.5/29$

All: 878.628 ± 0.088 $\chi^2/\text{NDF}: 24875437.7/10$

Left In: 760.352 ± 0.133 $\chi^2/\text{NDF}: 1986749.8/22$

- sign 882.653 ± 0.126 $\chi^2/\text{NDF}: 13359549.1/52$

asym_sam4_mean vs Slug



Right In: 958.819 ± 903.547 χ^2/NDF : 32.5/24

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 1904.206 ± 834.881 χ^2/NDF : 19.3/29

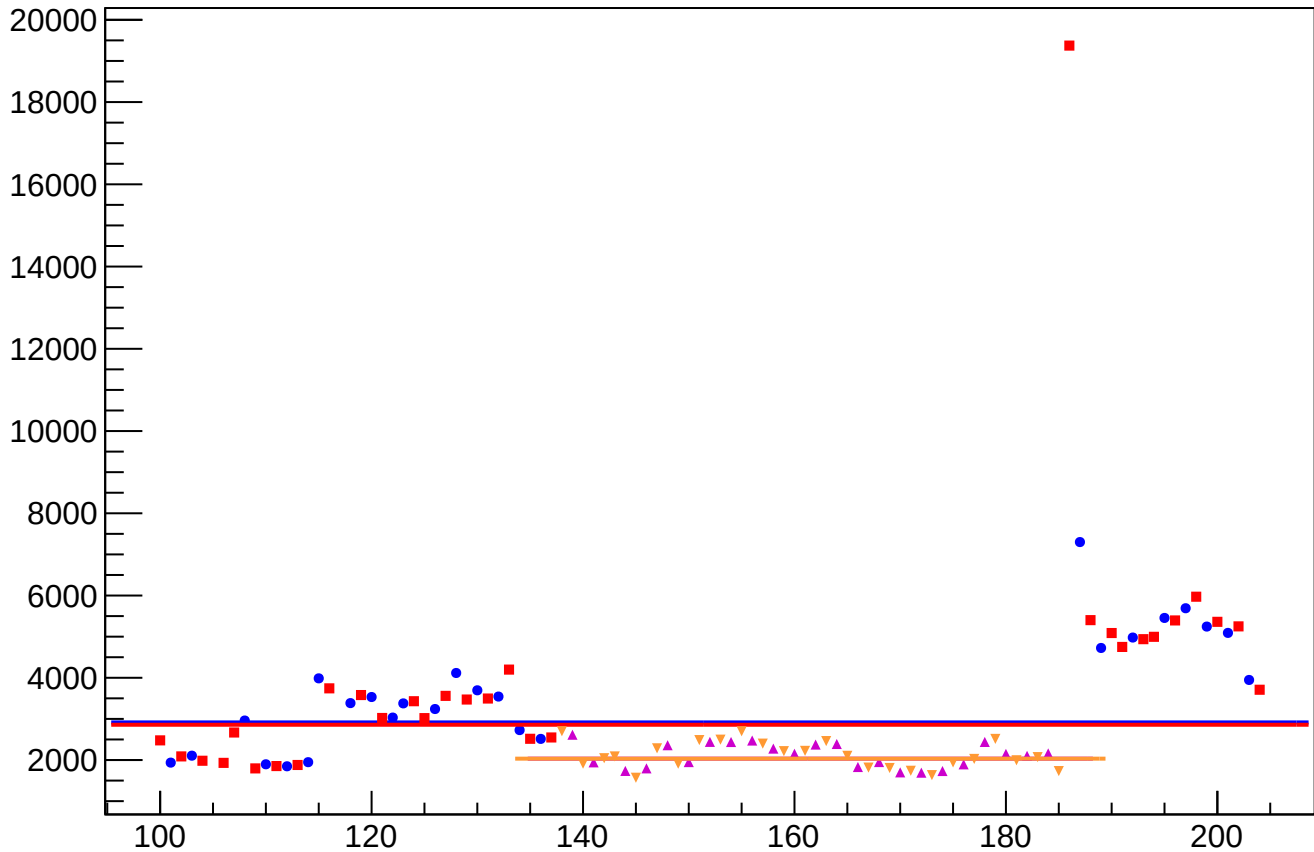
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2290.205 ± 423.741 χ^2/NDF : 84.5/49

All: 1464.925 ± 299.695 χ^2/NDF : 140.3/102

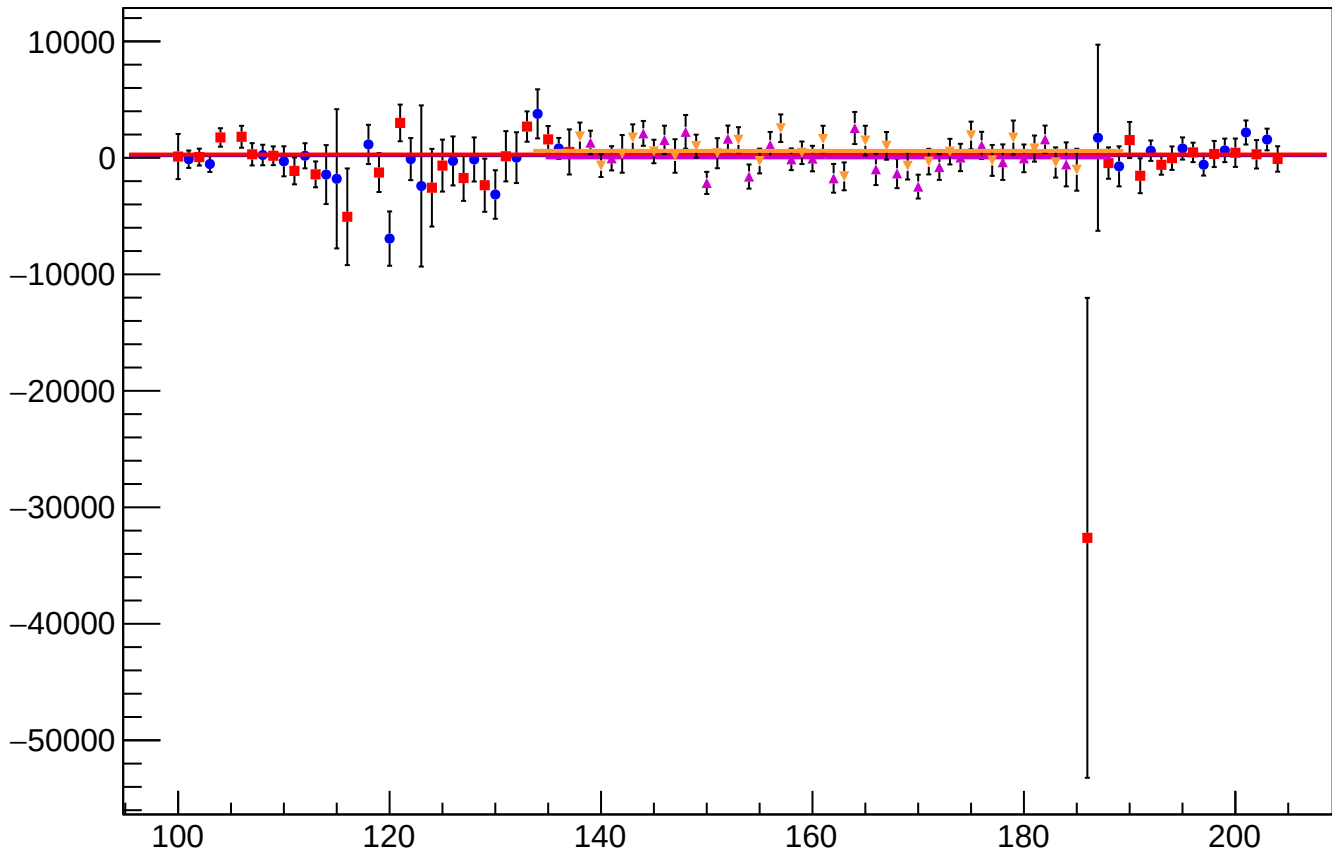
- sign 638.925 ± 423.926 χ^2/NDF : 48.2/52

asym_sam4_rms vs Slug



Right In: 2914.659+/-0.639	χ^2/NDF : 3289657.3/24	+ sign 2227.173+/-0.300	χ^2/NDF : 5598037.1/49
Left Out: 2033.337+/-0.339	χ^2/NDF : 824062.2/24	All: 2236.308+/-0.212	χ^2/NDF : 12433042.3/100
Right Out: 2857.996+/-0.590	χ^2/NDF : 4729764.6/29	- sign 2245.451+/-0.300	χ^2/NDF : 6833145.4/52
Left In: 2032.655+/-0.348	χ^2/NDF : 652763.7/22		

asym_sam5_mean vs Slug



Right In: 233.755 $\pm$ 241.503 χ^2 /NDF: 25.6/24

Left Out: 600.005 $\pm$ 234.968 χ^2 /NDF:18.5/24

Right Out: 285.140 $\pm$ 220.001 χ^2 /NDF: 29.8/29

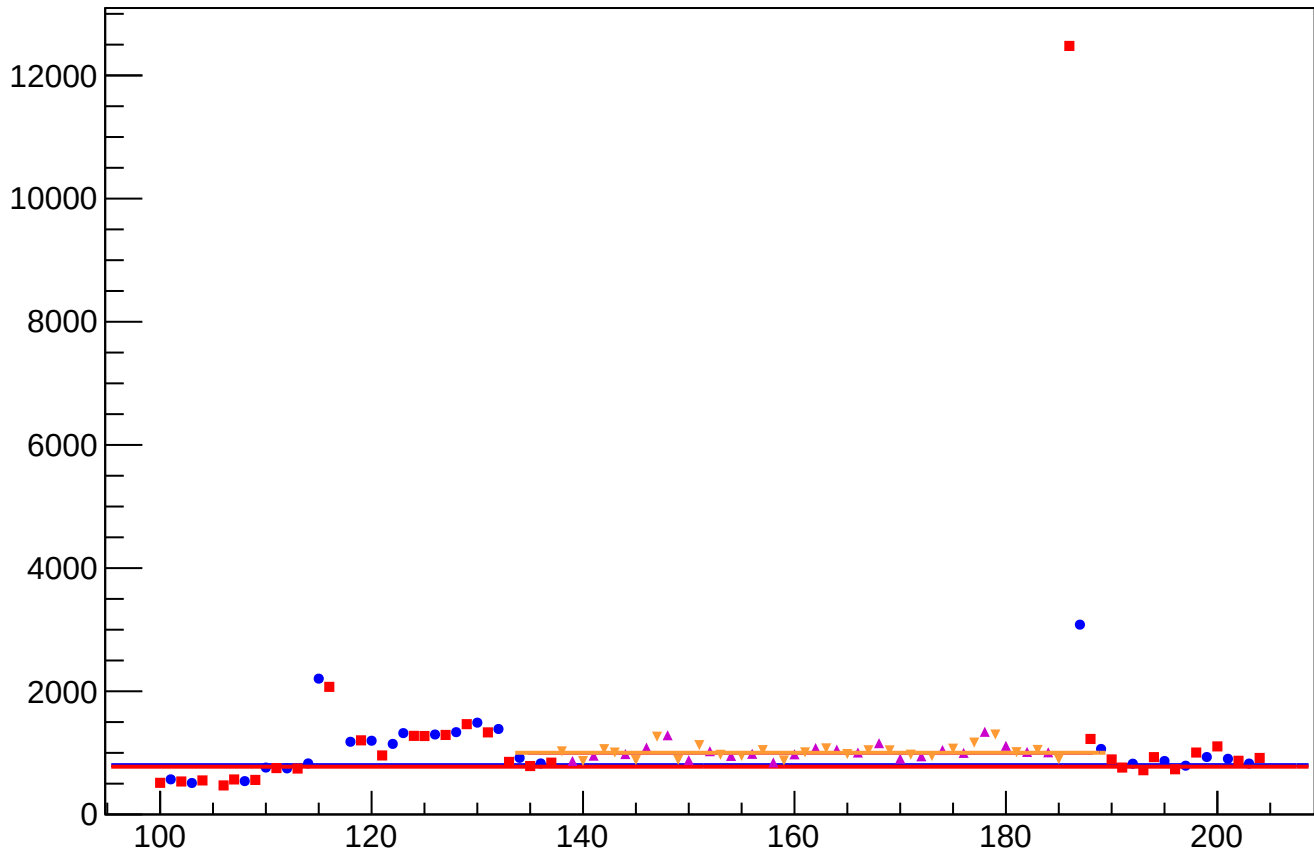
Left In: 41.559 $\pm$ 240.807 χ^2 /NDF:36.4/22

+ sign 421.902 $\pm$ 168.410 χ^2 /NDF: 45.2/49

All: 293.634 $\pm$ 116.910 χ^2 /NDF: 113.1/102

- sign 174.326 $\pm$ 162.423 χ^2 /NDF: 66.7/52

asym_sam5_rms vs Slug



Right In: 800.864 $\pm$ 0.171 χ^2 /NDF: 2010223.0/24

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 775.698 $\pm$ 0.156 χ^2 /NDF: 3042052.7/29

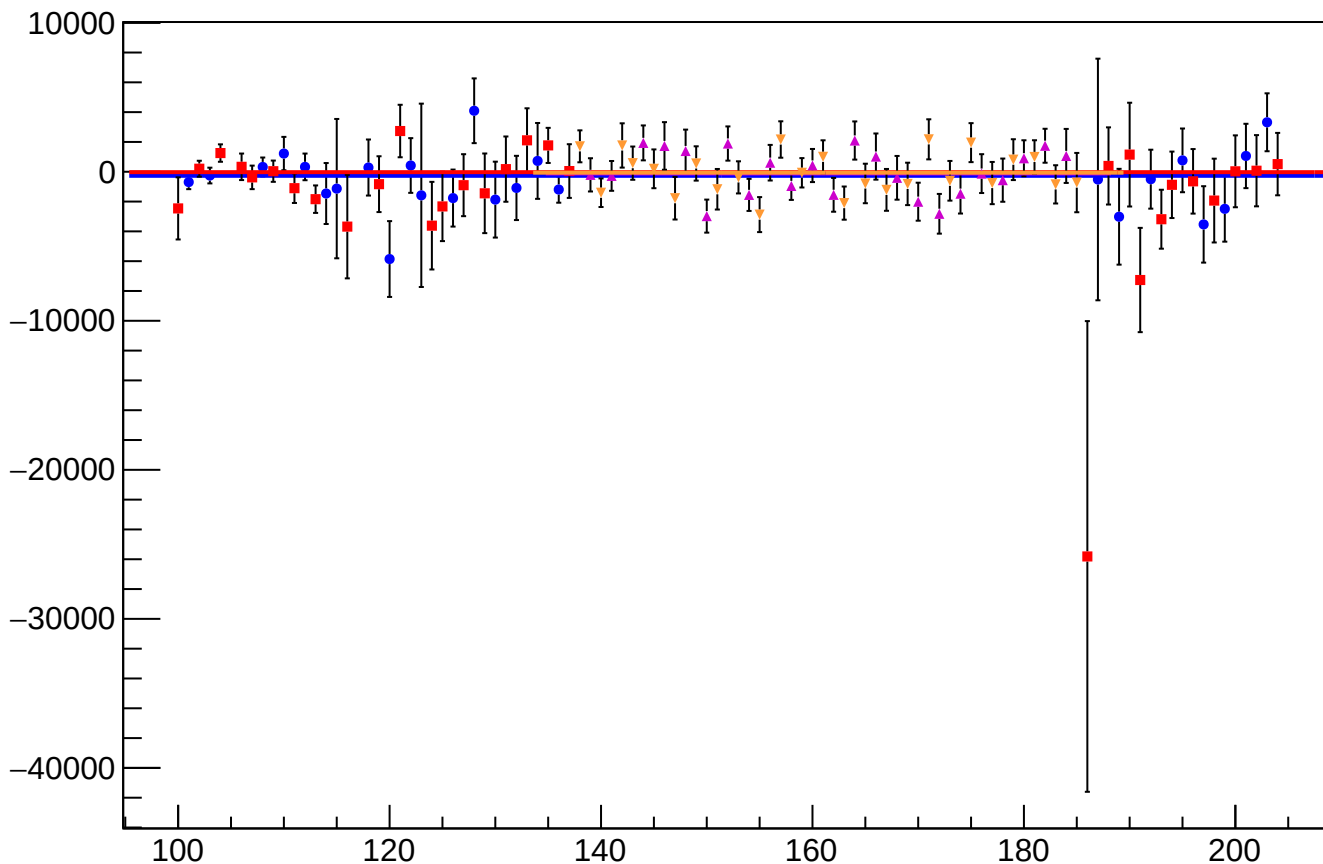
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 903.919 $\pm$ 0.119 χ^2 /NDF: 3089446.2/49

All: 889.897 $\pm$ 0.083 χ^2 /NDF: 7492349.4/102

- sign 876.855 $\pm$ 0.115 χ^2 /NDF: 4376142.8/52

asym_sam6_mean vs Slug



Right In: -271.731 ± 240.163 χ^2/NDF : 23.2/24

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -27.612 ± 234.497 χ^2/NDF : 32.1/29

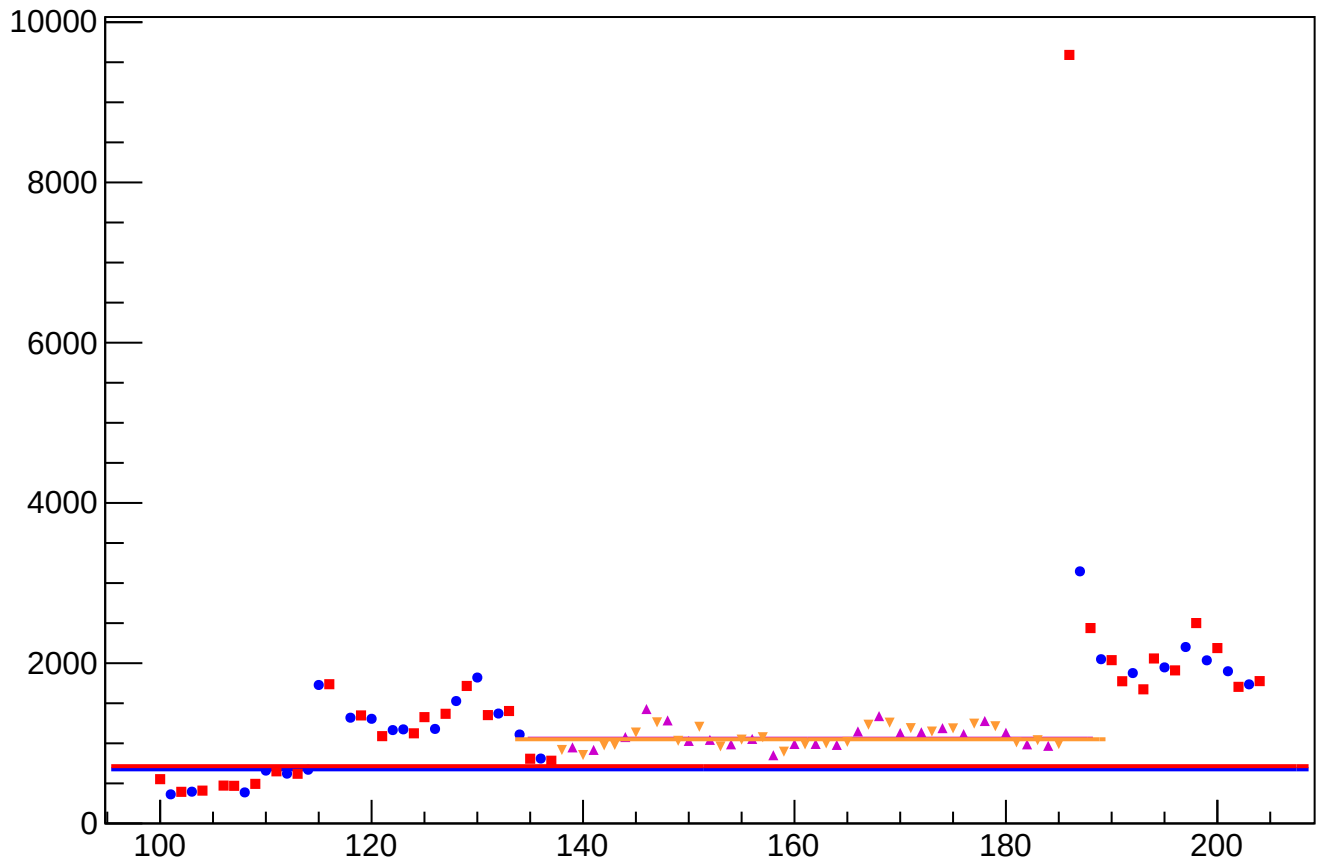
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -168.539 ± 172.019 χ^2/NDF : 54.6/49

All: -117.678 ± 121.888 χ^2/NDF : 121.8/102

- sign -66.392 ± 172.735 χ^2/NDF : 67.1/52

asym_sam6_rms vs Slug



Right In: 675.266+/-0.170 χ^2/NDF : 8336219.7/24

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 714.916+/-0.166 χ^2/NDF : 9585108.6/29

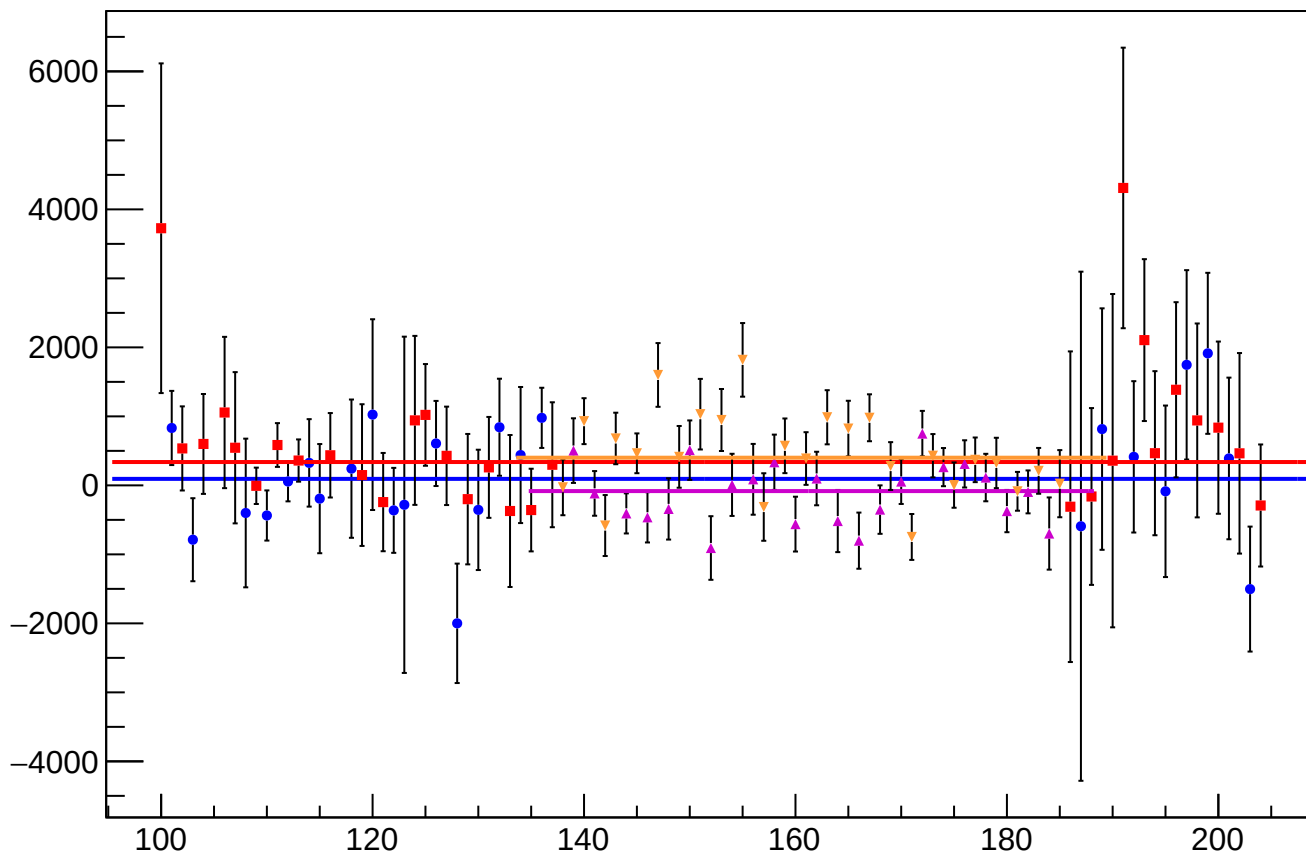
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 858.068+/-0.122 χ^2/NDF : 11198802.4/49

All: 864.947+/-0.086 χ^2/NDF : 23278158.7/100

- sign 871.884+/-0.122 χ^2/NDF : 12072932.1/52

asym_sam7_mean vs Slug



Right In: 94.162 ± 136.322 χ^2/NDF : 27.3/24

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 338.272 ± 123.545 χ^2/NDF : 16.8/29

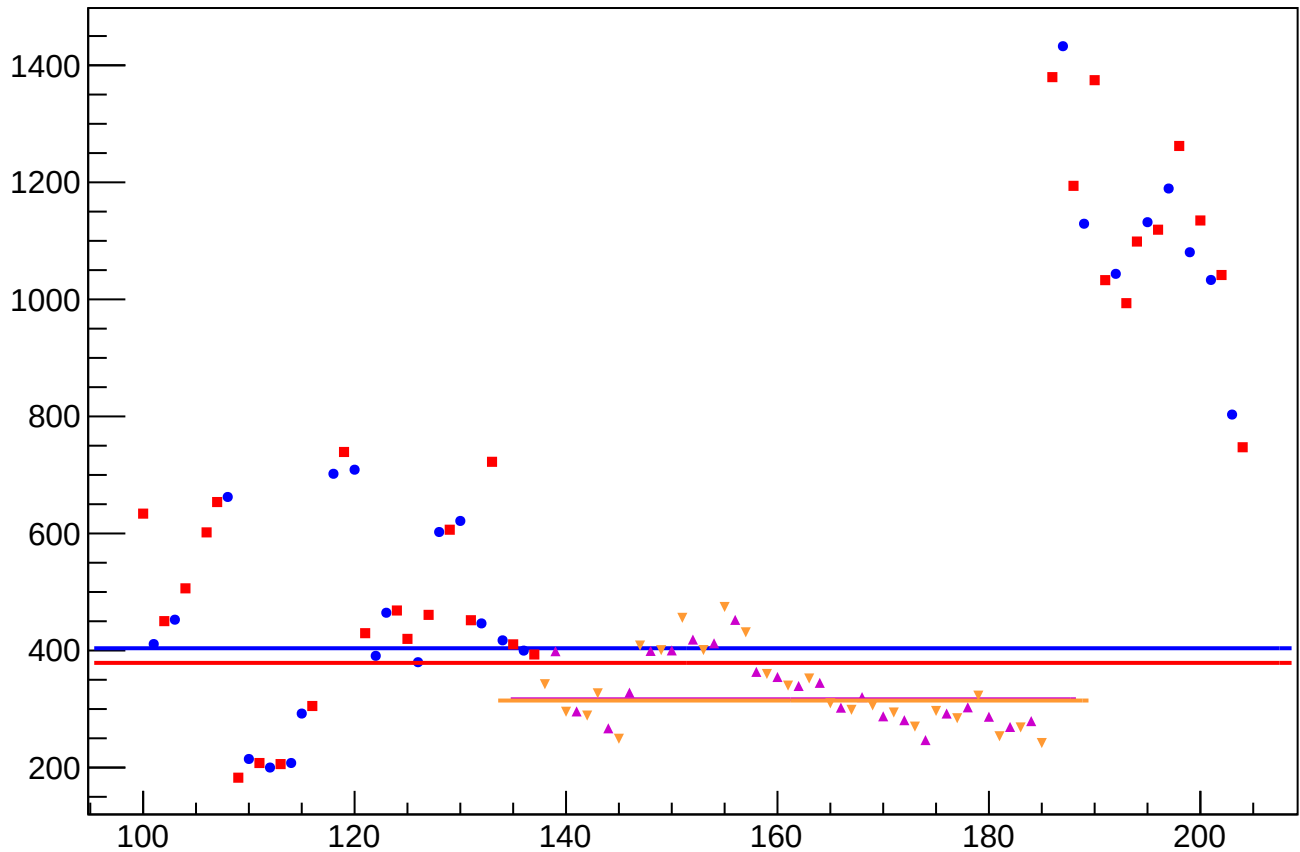
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 330.357 ± 65.406 χ^2/NDF : 83.2/49

All: 182.276 ± 46.207 χ^2/NDF : 147.7/102

- sign 34.727 ± 65.288 χ^2/NDF : 54.2/52

asym_sam7_rms vs Slug



Right In: 403.884 $\pm$ 0.096 χ^2 /NDF: 6581619.4/24

Left Out: 314.538 $\pm$ 0.053 χ^2 /NDF:1112445.6/24

Right Out: 378.866 $\pm$ 0.087 χ^2 /NDF: 9316299.3/29

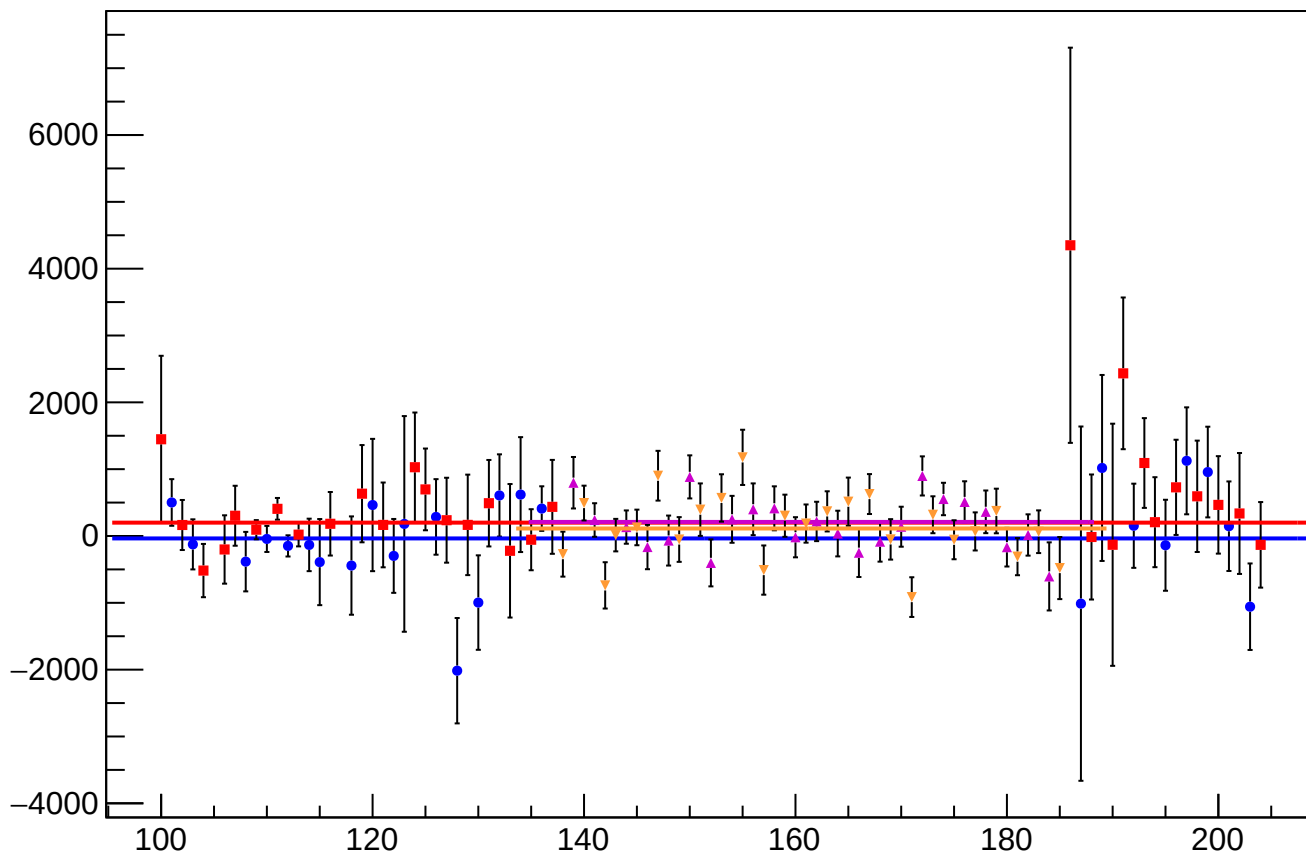
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF:920874.0/22

+ sign 335.106 $\pm$ 0.046 χ^2 /NDF: 8355415.5/49

All: 334.563 $\pm$ 0.033 χ^2 /NDF: 18958464.5/10

- sign 334.023 $\pm$ 0.046 χ^2 /NDF: 10602774.4/52

asym_sam8_mean vs Slug



Right In: -36.442 ± 85.983 χ^2/NDF : 24.3/24

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 199.844 ± 73.617 χ^2/NDF : 19.9/29

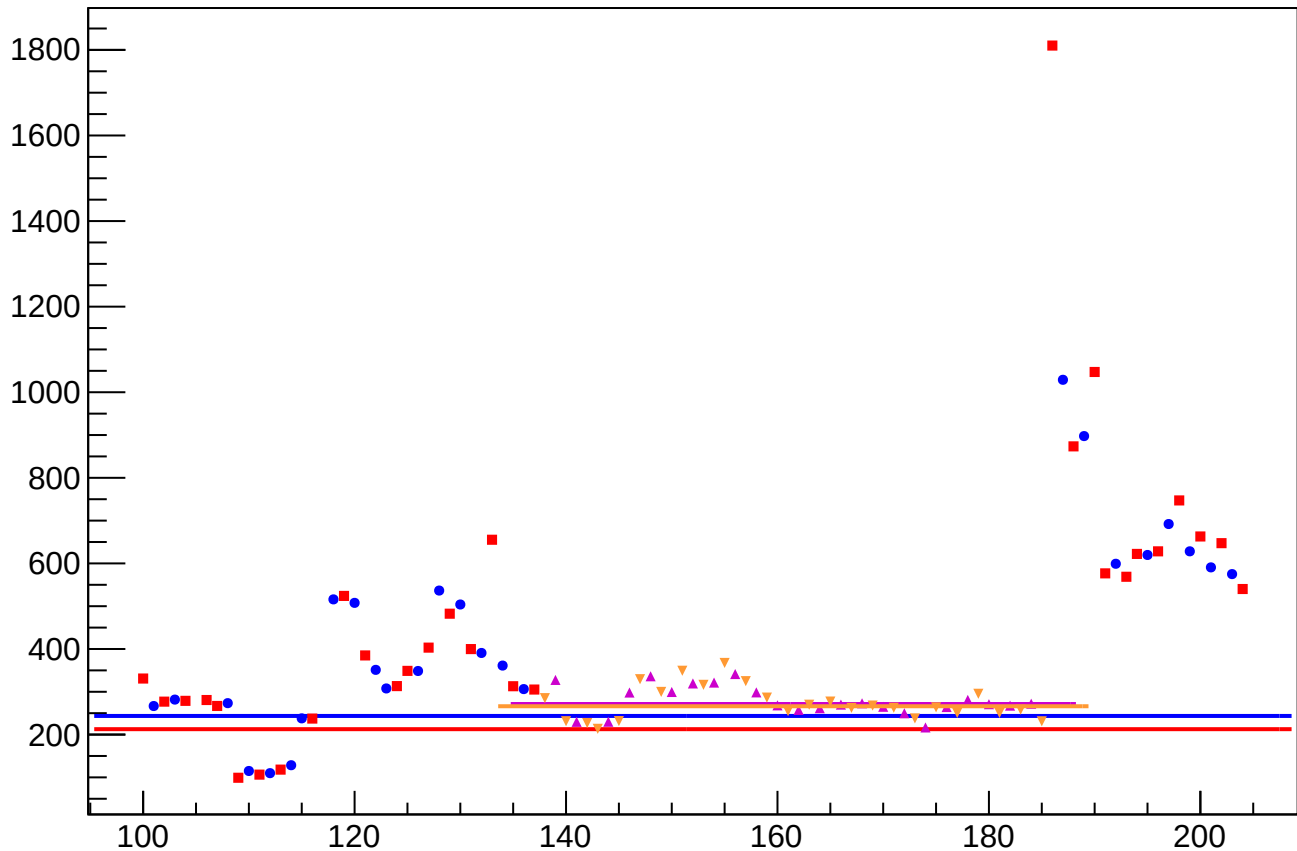
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 60.687 ± 50.631 χ^2/NDF : 75.4/49

All: 135.690 ± 35.188 χ^2/NDF : 128.6/102

- sign 205.765 ± 48.939 χ^2/NDF : 49.0/52

asym_sam8_rms vs Slug



Right In: 243.541 $\pm$ 0.061 χ^2 /NDF: 8035679.4/24

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 212.627 $\pm$ 0.052 χ^2 /NDF: 11419969.6/29

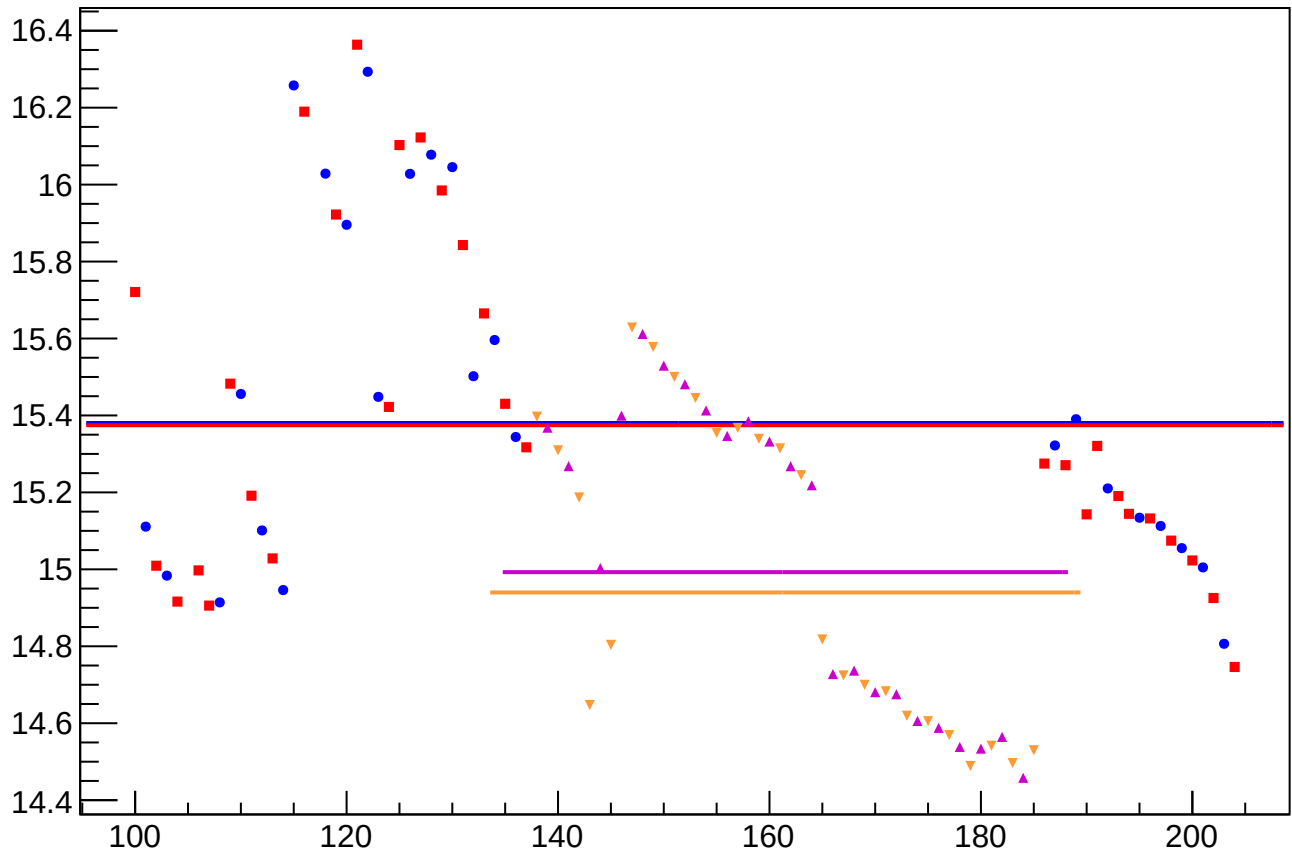
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 258.348 $\pm$ 0.036 χ^2 /NDF: 8776100.6/49

All: 251.672 $\pm$ 0.025 χ^2 /NDF: 21496961.7/10

- sign 245.435 $\pm$ 0.035 χ^2 /NDF: 12653606.1/52

yield_sam1_mean vs Slug



Right In: 15.380 $\pm$ 0.000 χ^2 /NDF: 11038064954.2/24

Left Out: 14.940 $\pm$ 0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.375 $\pm$ 0.000 χ^2 /NDF: 11736482117.4/29

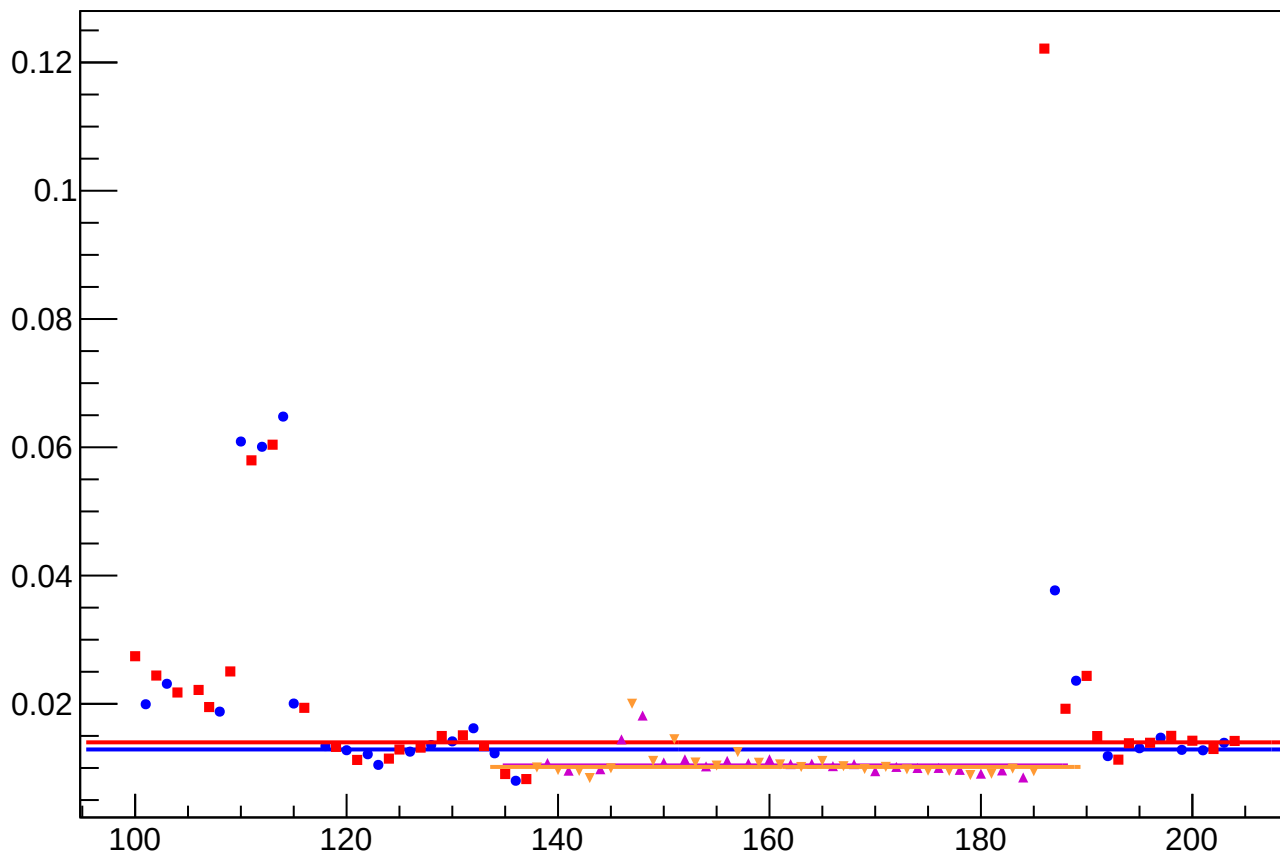
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 15.059 $\pm$ 0.000 χ^2 /NDF: 44030919109.1/49

All: 15.080 $\pm$ 0.000 χ^2 /NDF: 84317854099.2

- sign 15.102 $\pm$ 0.000 χ^2 /NDF: 40089000921.0/52

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2493195.8/24

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2987929.1/29

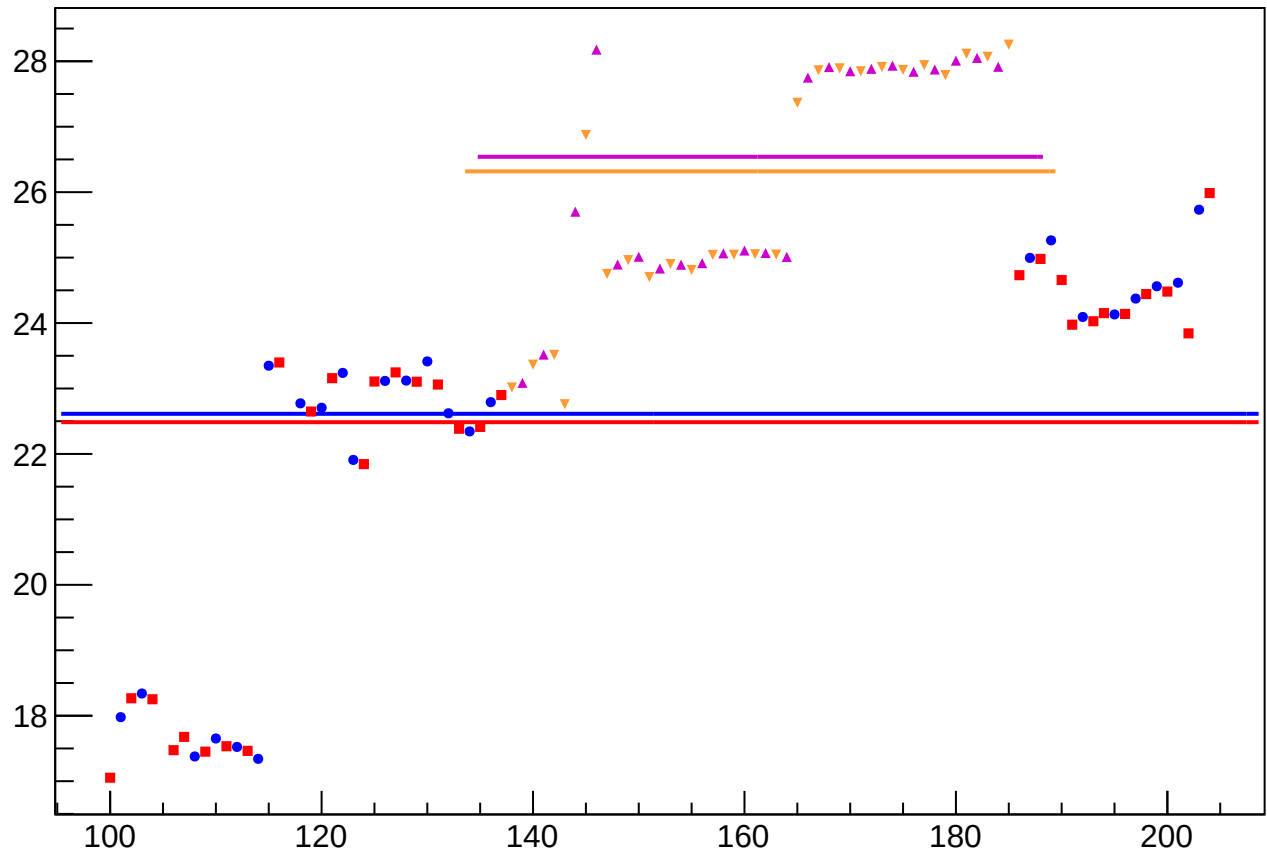
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3883508.2/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8601038.3/102

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4657259.3/52

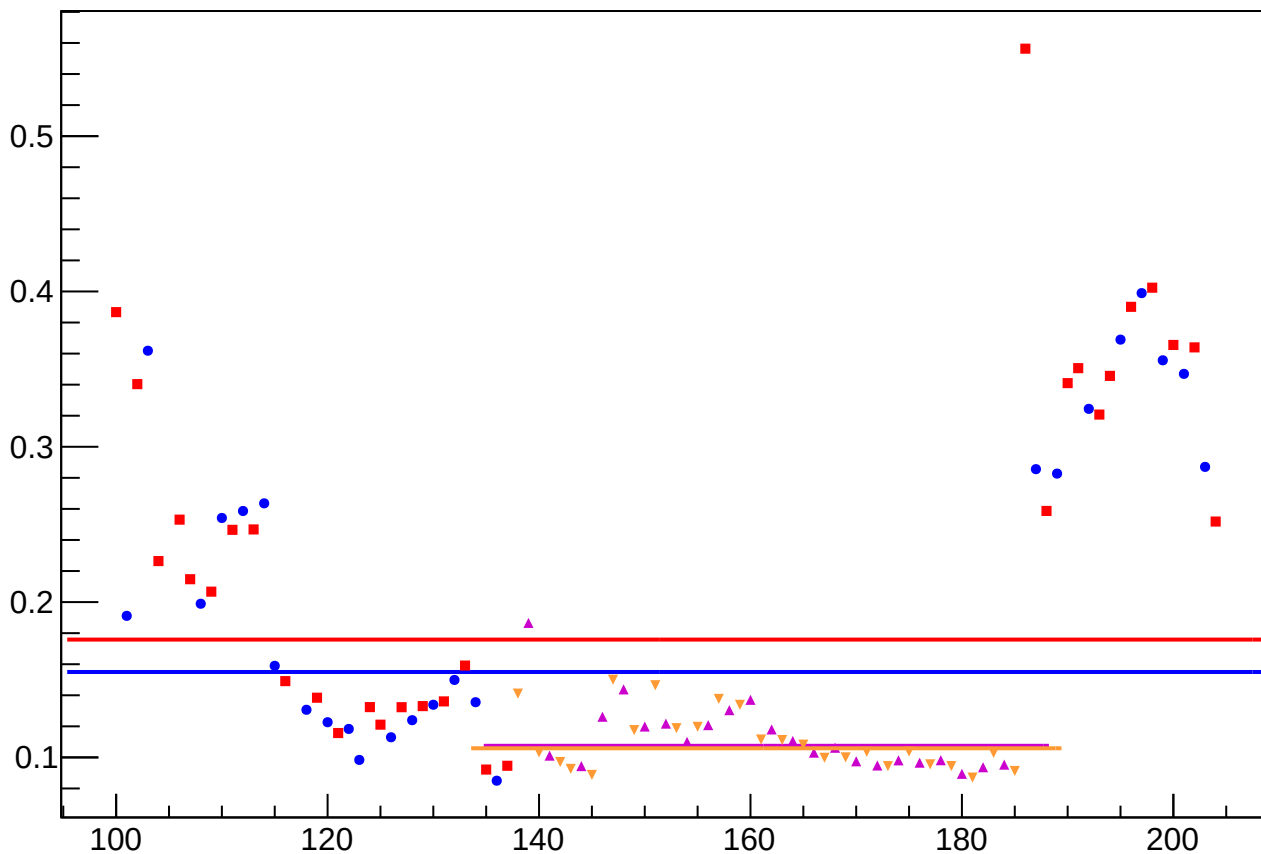
yield_sam2_mean vs Slug



Right In: 22.613+/-0.000 χ^2 /NDF: 1197102569.2/24
 Left Out: 26.318+/-0.000 χ^2 /NDF: 4715403741.0/24
 Right Out: 22.485+/-0.000 χ^2 /NDF: 1460806967.4/29
 Left In: 26.540+/-0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.566+/-0.000 χ^2 /NDF: 9837314178.0/49
 All: 25.631+/-0.000 χ^2 /NDF: 19034821106.9
 - sign 25.700+/-0.000 χ^2 /NDF: 9182245100.7/52

yield_sam2_rms vs Slug



Right In: 0.155+/-0.000 χ^2/NDF : 5104429.1/24

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.176+/-0.000 χ^2/NDF : 5406110.9/29

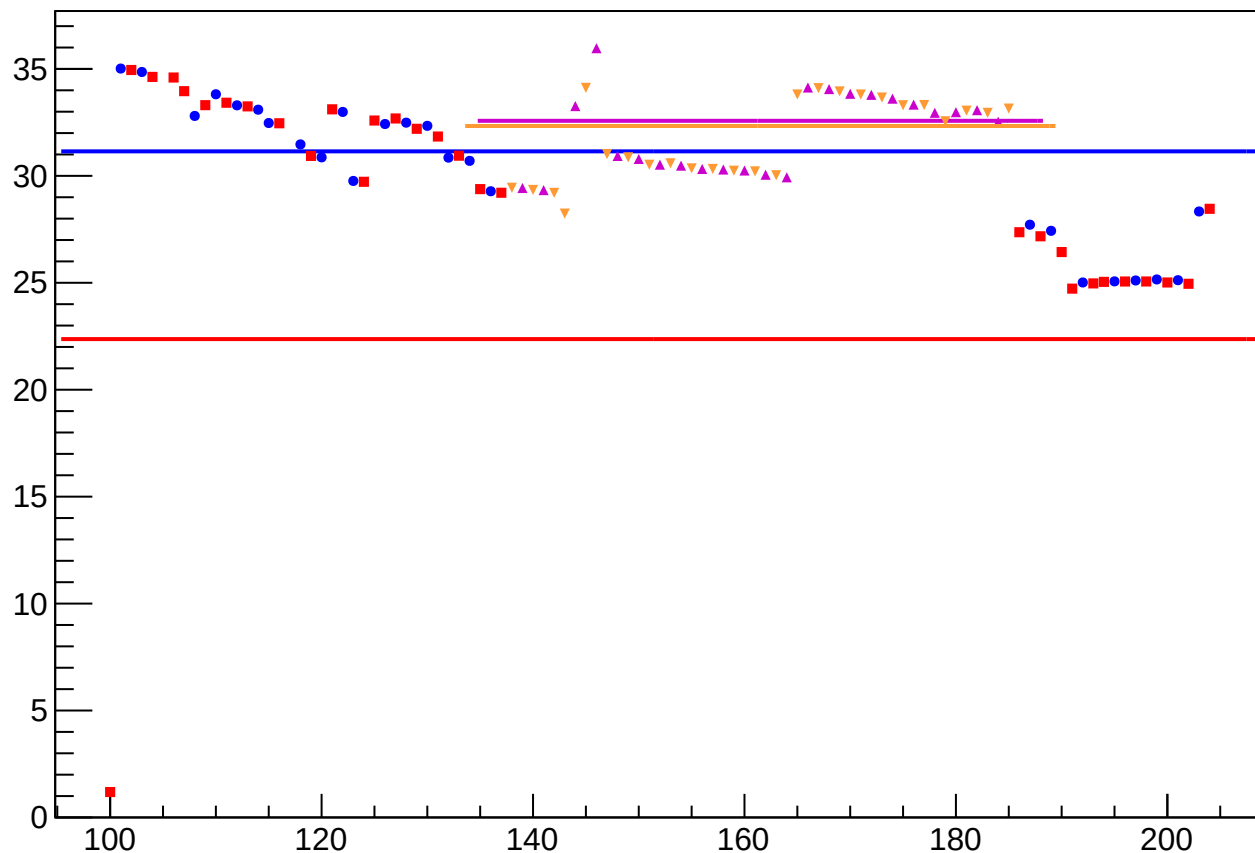
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.116+/-0.000 χ^2/NDF : 7217459.8/49

All: 0.119+/-0.000 χ^2/NDF : 15962039.8/102

- sign 0.122+/-0.000 χ^2/NDF : 8687613.9/52

yield_sam3_mean vs Slug



Right In: 31.146+/-0.000 χ^2/NDF : 5014543942.3/24

Left Out: 32.331+/-0.000 χ^2/NDF : 12850475096.2/24

Right Out: 22.367+/-0.000 χ^2/NDF : 232003625199.4/29

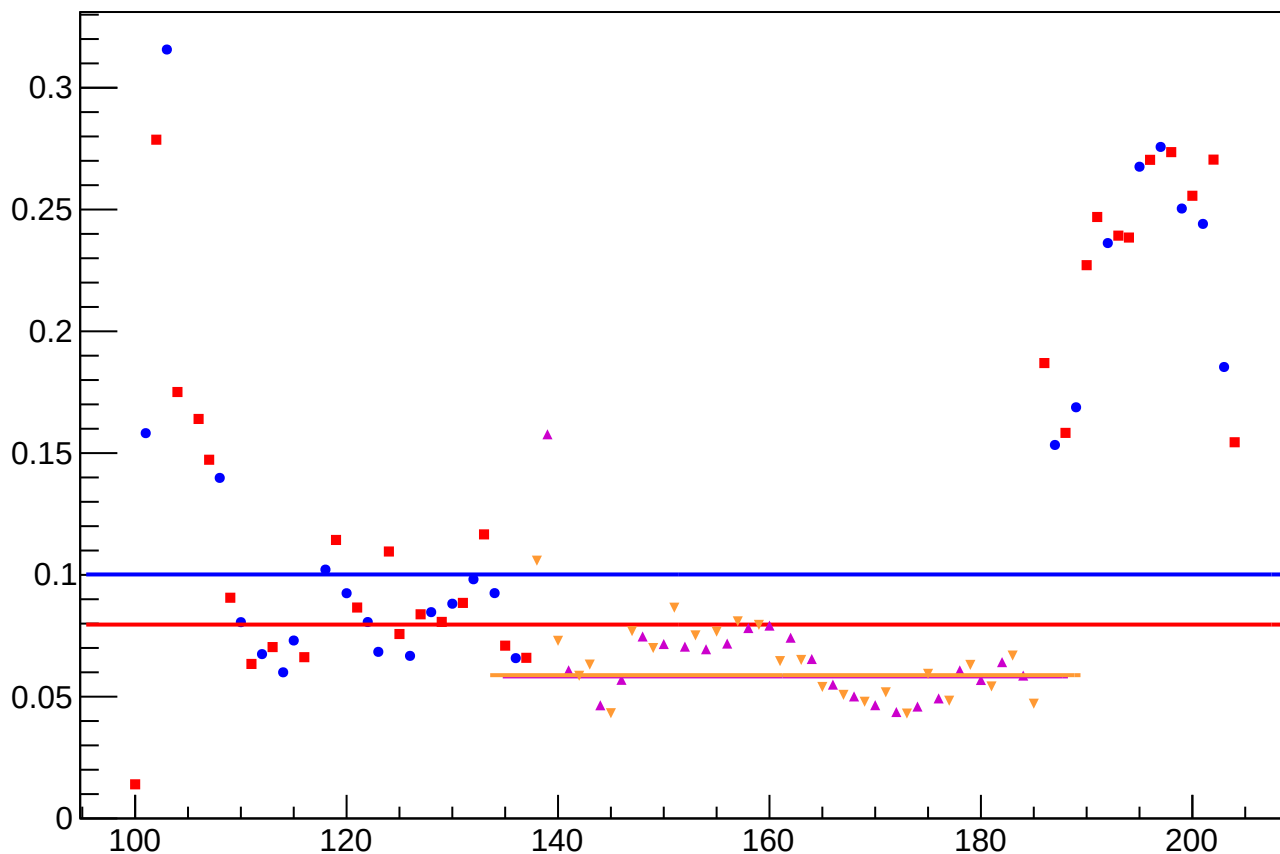
Left In: 32.574+/-0.000 χ^2/NDF : 11797772603.7/22

+ sign 32.133+/-0.000 χ^2/NDF : 18827823315.2/49

All: 31.128+/-0.000 χ^2/NDF : 368749006273.

- sign 30.165+/-0.000 χ^2/NDF : 340192779569.6/52

yield_sam3_rms vs Slug



Right In: 0.100 $\pm$ 0.000 χ^2 /NDF: 5061685.4/24

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.080 $\pm$ 0.000 χ^2 /NDF: 10011220.1/29

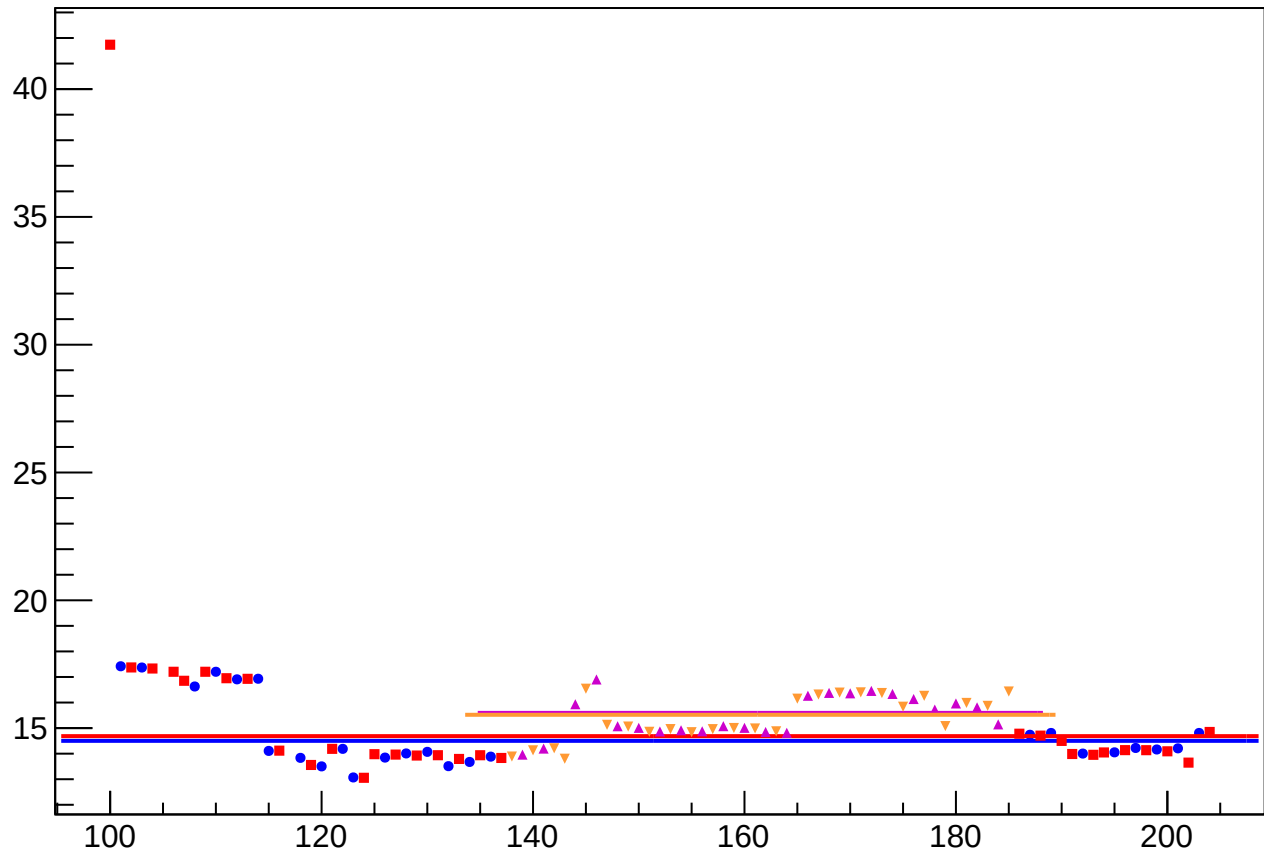
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.066 $\pm$ 0.000 χ^2 /NDF: 8806472.9/49

All: 0.065 $\pm$ 0.000 χ^2 /NDF: 21210539.6/102

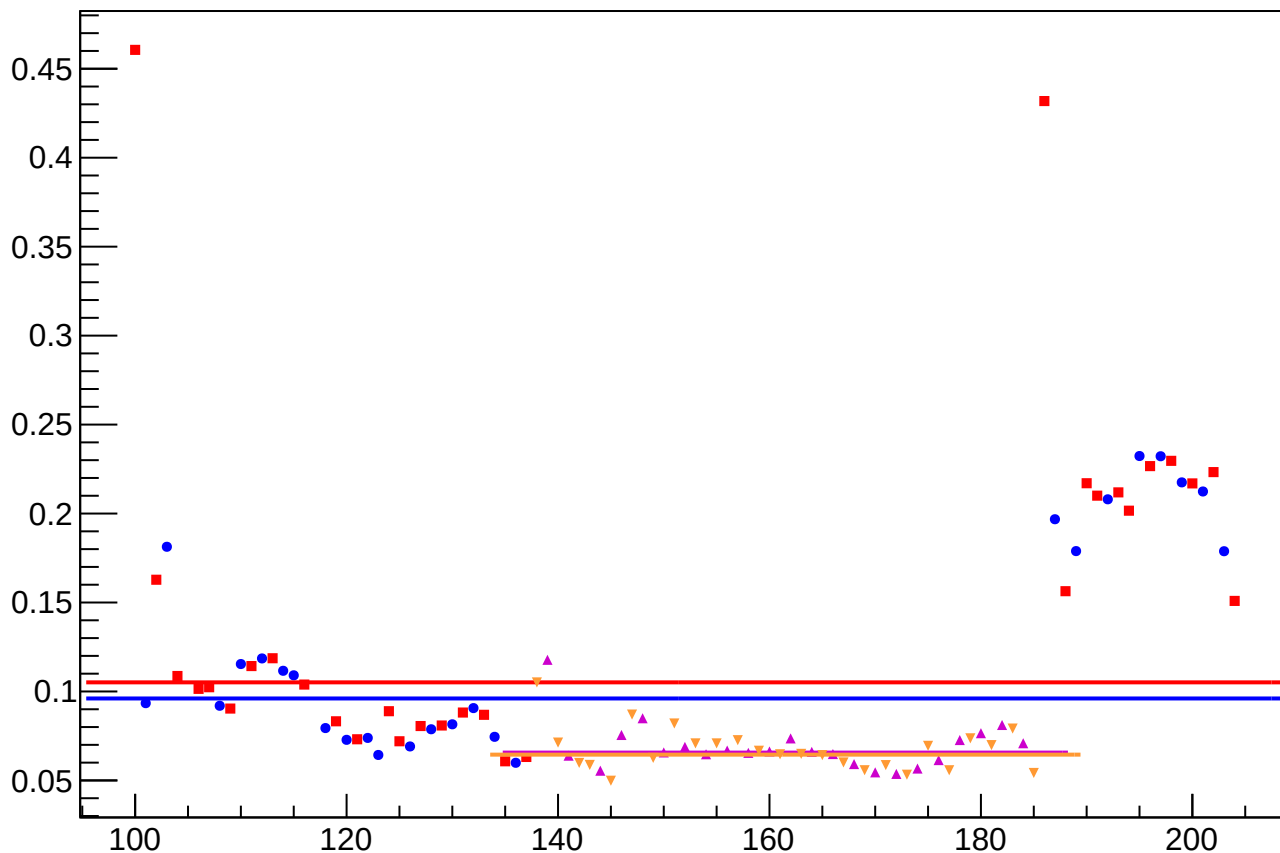
- sign 0.063 $\pm$ 0.000 χ^2 /NDF: 12375035.0/52

yield_sam4_mean vs Slug



Right In: 14.502 $\pm$ 0.000 χ^2 /NDF: 1502285247.5/24
 Left Out: 15.521 $\pm$ 0.000 χ^2 /NDF: 2591377740.5/24
 Right Out: 14.686 $\pm$ 0.000 χ^2 /NDF: 1954088979.2/29
 Left In: 15.595 $\pm$ 0.000 χ^2 /NDF: 1908733580.5/22
 + sign 15.309 $\pm$ 0.000 χ^2 /NDF: 4902673932.7/49
 All: 15.350 $\pm$ 0.000 χ^2 /NDF: 9410185738.6/1
 - sign 15.394 $\pm$ 0.000 χ^2 /NDF: 4490993193.7/52

yield_sam4_rms vs Slug



Right In: 0.096 $\pm$ 0.000 χ^2 /NDF: 4339149.6/24

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.105 $\pm$ 0.000 χ^2 /NDF: 4738529.0/29

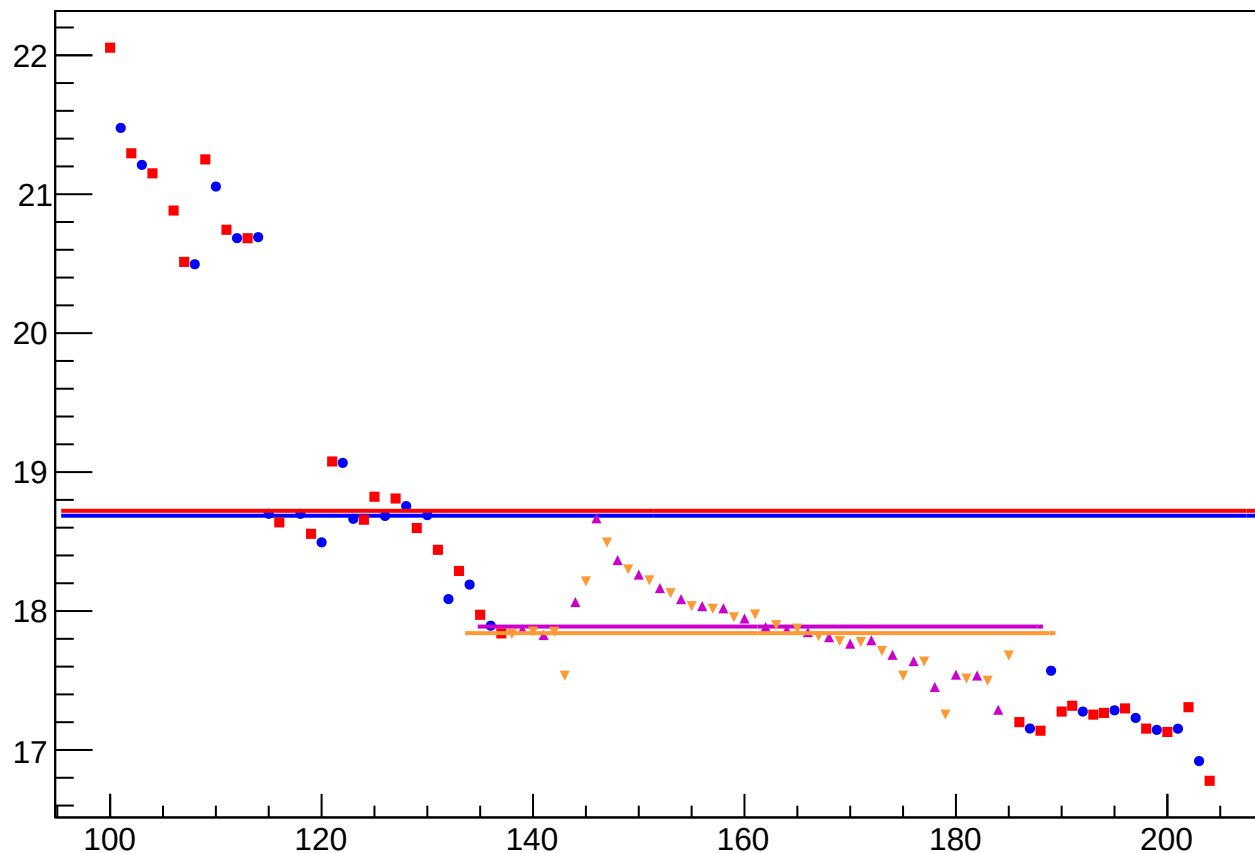
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 6652282.4/49

All: 0.073 $\pm$ 0.000 χ^2 /NDF: 14521012.7/102

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 7818639.3/52

yield_sam5_mean vs Slug



Right In: 18.686 $\pm$ 0.000 χ^2/NDF : 27528614618.8/24

Left Out: 17.841 $\pm$ 0.000 χ^2/NDF : 1283287989.7/24

Right Out: 18.721 $\pm$ 0.000 χ^2/NDF : 30996643107.8/29

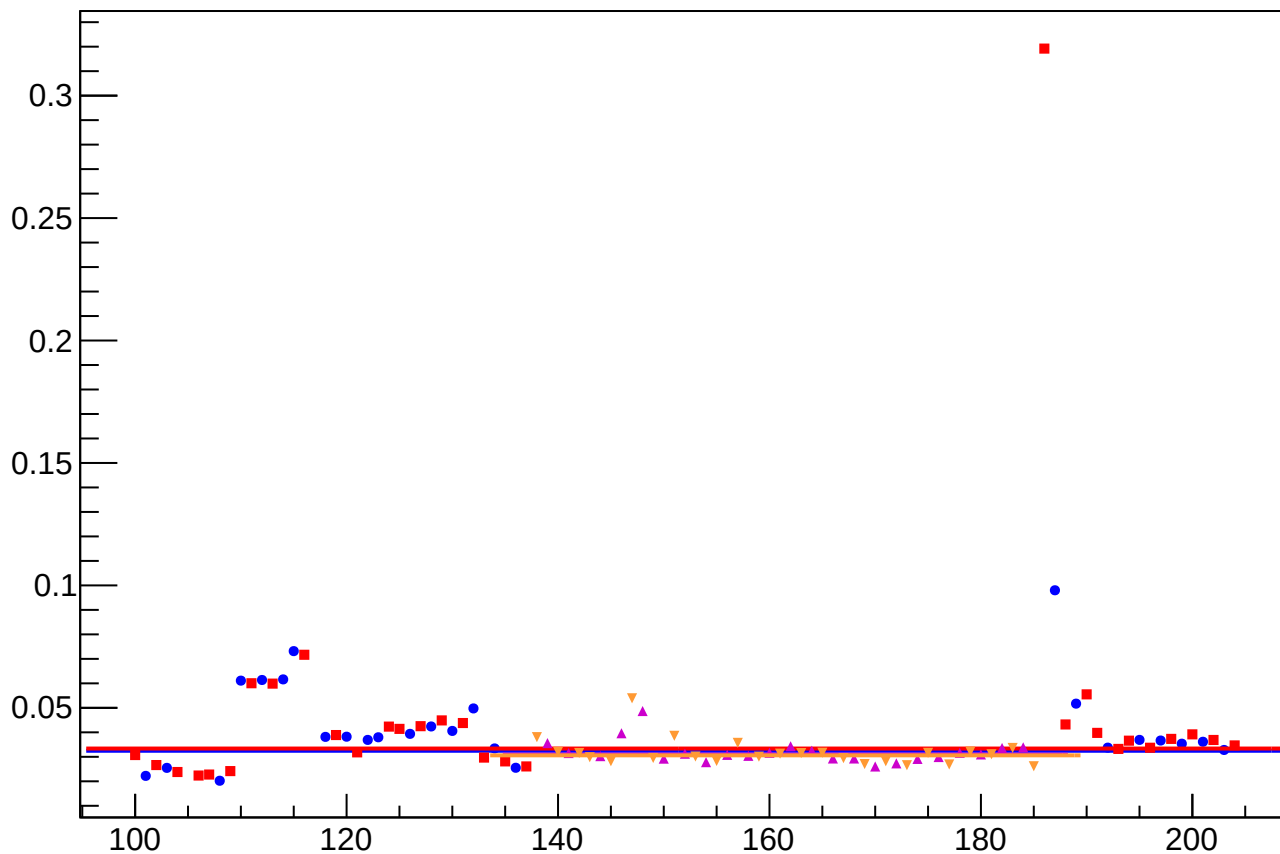
Left In: 17.888 $\pm$ 0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.138 $\pm$ 0.000 χ^2/NDF : 33493959656.3/49

All: 18.174 $\pm$ 0.000 χ^2/NDF : 70437638898.1

- sign 18.211 $\pm$ 0.000 χ^2/NDF : 36868187366.0/52

yield_sam5_rms vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 1690163.6/24

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 2133277.1/29

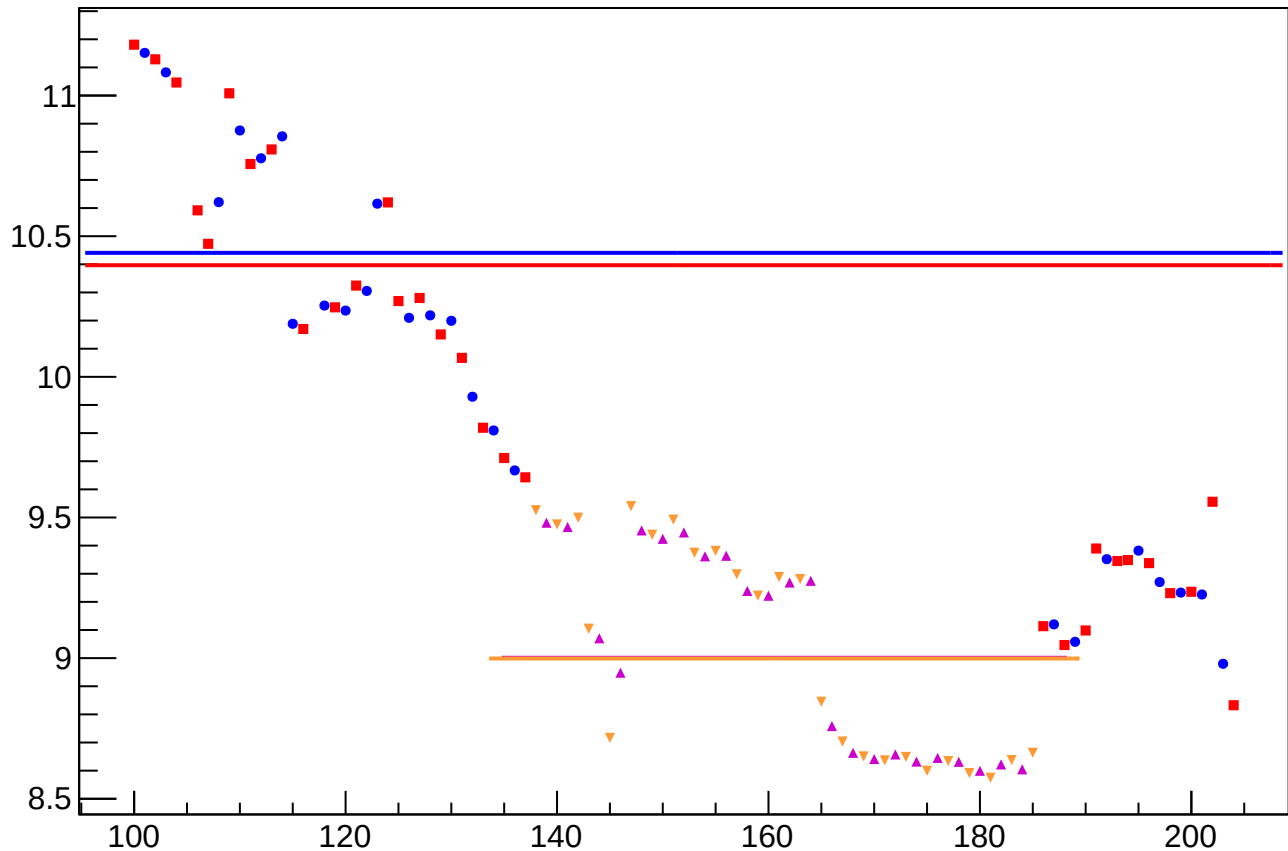
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2326550.6/49

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 5006155.1/102

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2669464.3/52

yield_sam6_mean vs Slug



Right In: 10.441 $\pm$ 0.000 χ^2 /NDF: 12549180995.1/24

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.397 $\pm$ 0.000 χ^2 /NDF: 12178726060.7/29

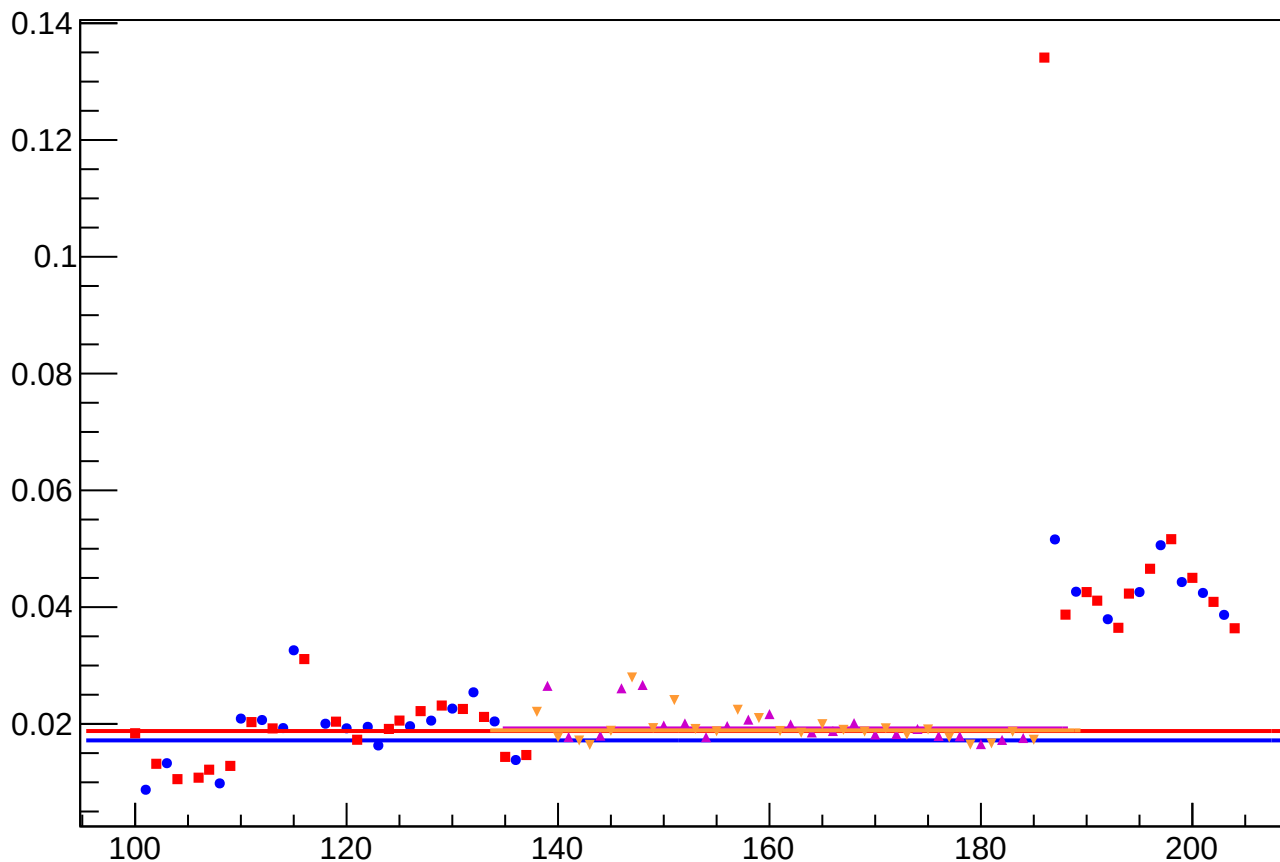
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.550 $\pm$ 0.000 χ^2 /NDF: 56266926184.7/49

All: 9.557 $\pm$ 0.000 χ^2 /NDF: 107486018862.2

- sign 9.566 $\pm$ 0.000 χ^2 /NDF: 51209695323.3/52

yield_sam6_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 5673402.7/24

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:428169.5/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 6194271.6/29

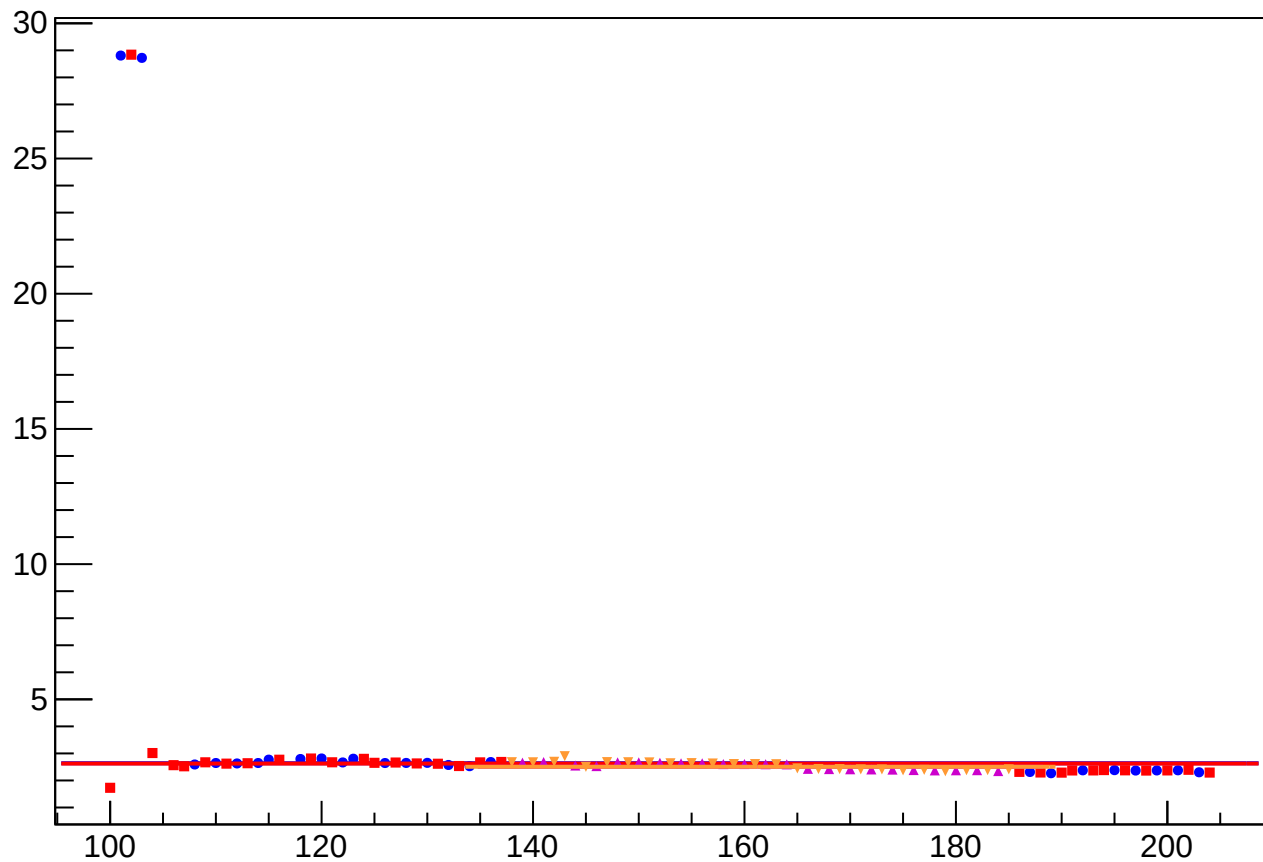
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:481824.0/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 6207780.6/49

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 12938603.6/102

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 6682915.5/52

yield_sam7_mean vs Slug



Right In: 2.637+/-0.000 χ^2/NDF : 174706140448.5/24

Left Out: 2.507+/-0.000 χ^2/NDF : 64277969186.7/24

Right Out: 2.625+/-0.000 χ^2/NDF : 87264375749.6/29

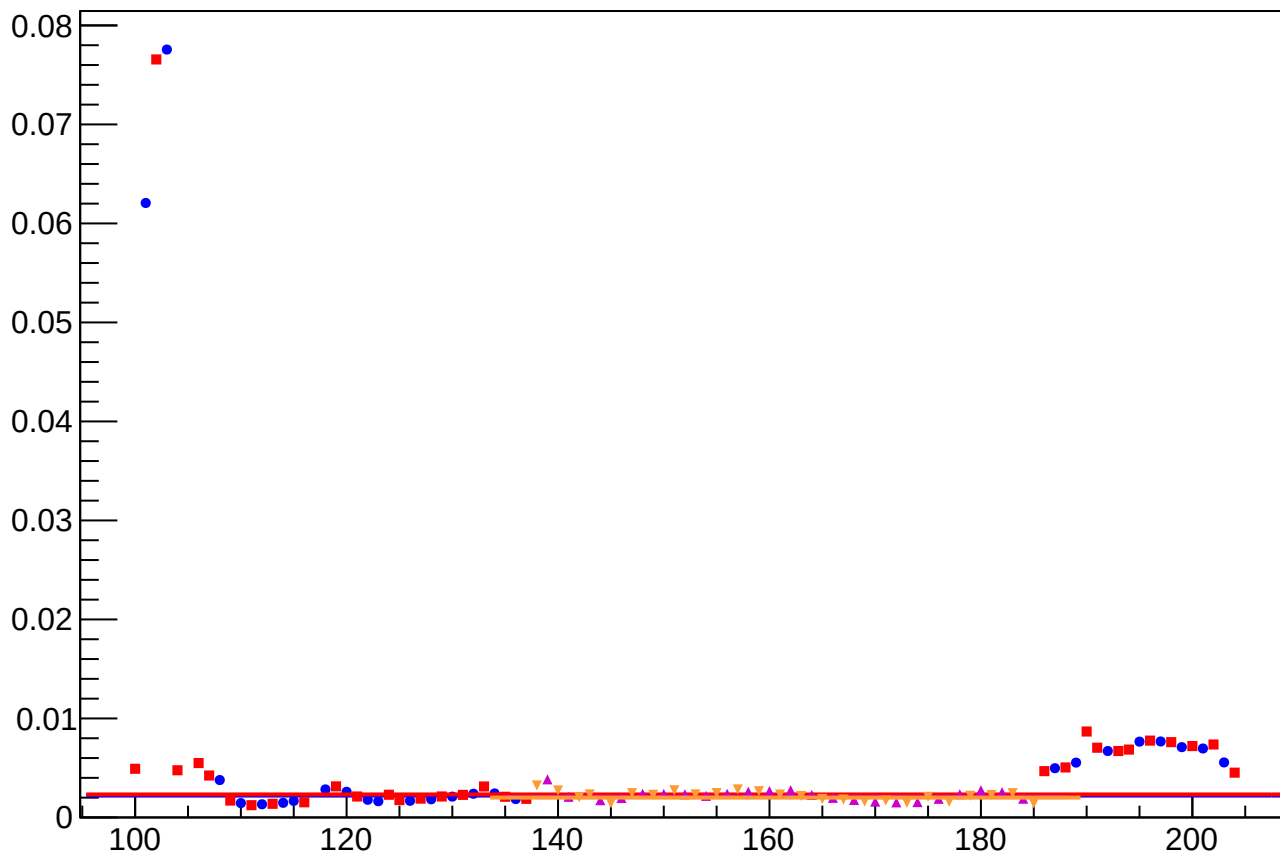
Left In: 2.505+/-0.000 χ^2/NDF : 42893630742.5/22

+ sign 2.544+/-0.000 χ^2/NDF : 256889568640.3/49

All: 2.544+/-0.000 χ^2/NDF : 402303352949.6

- sign 2.544+/-0.000 χ^2/NDF : 145413773097.6/52

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 7873926.4/24

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 8623453.7/29

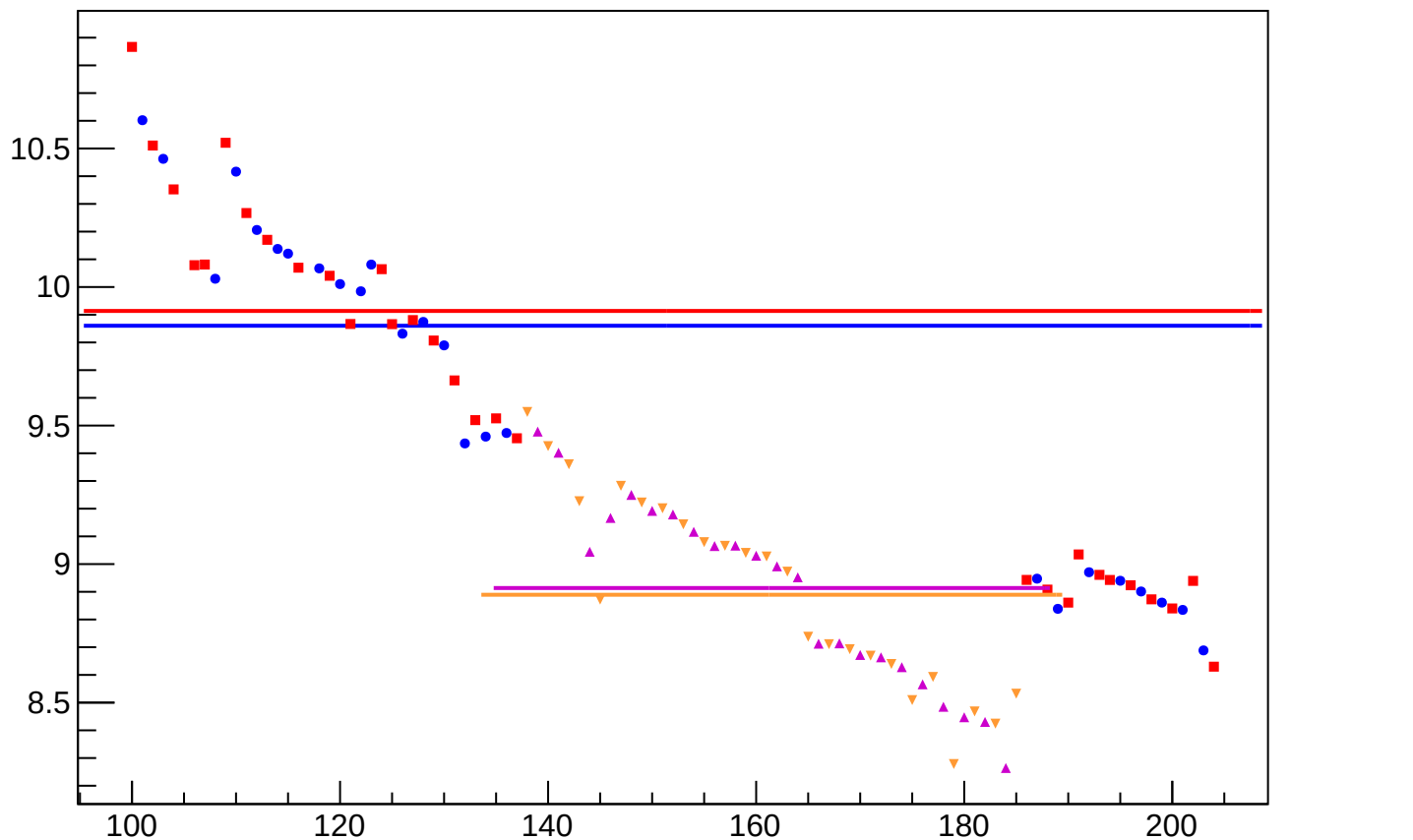
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 9430418.7/49

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 19538309.5/102

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 10076198.4/52

yield_sam8_mean vs Slug



Right In: 9.860 $\pm$ 0.000 χ^2/NDF : 45226346592.5/24

Left Out: 8.889 $\pm$ 0.000 χ^2/NDF : 34704694045.9/24

Right Out: 9.914 $\pm$ 0.000 χ^2/NDF : 53749006760.5/29

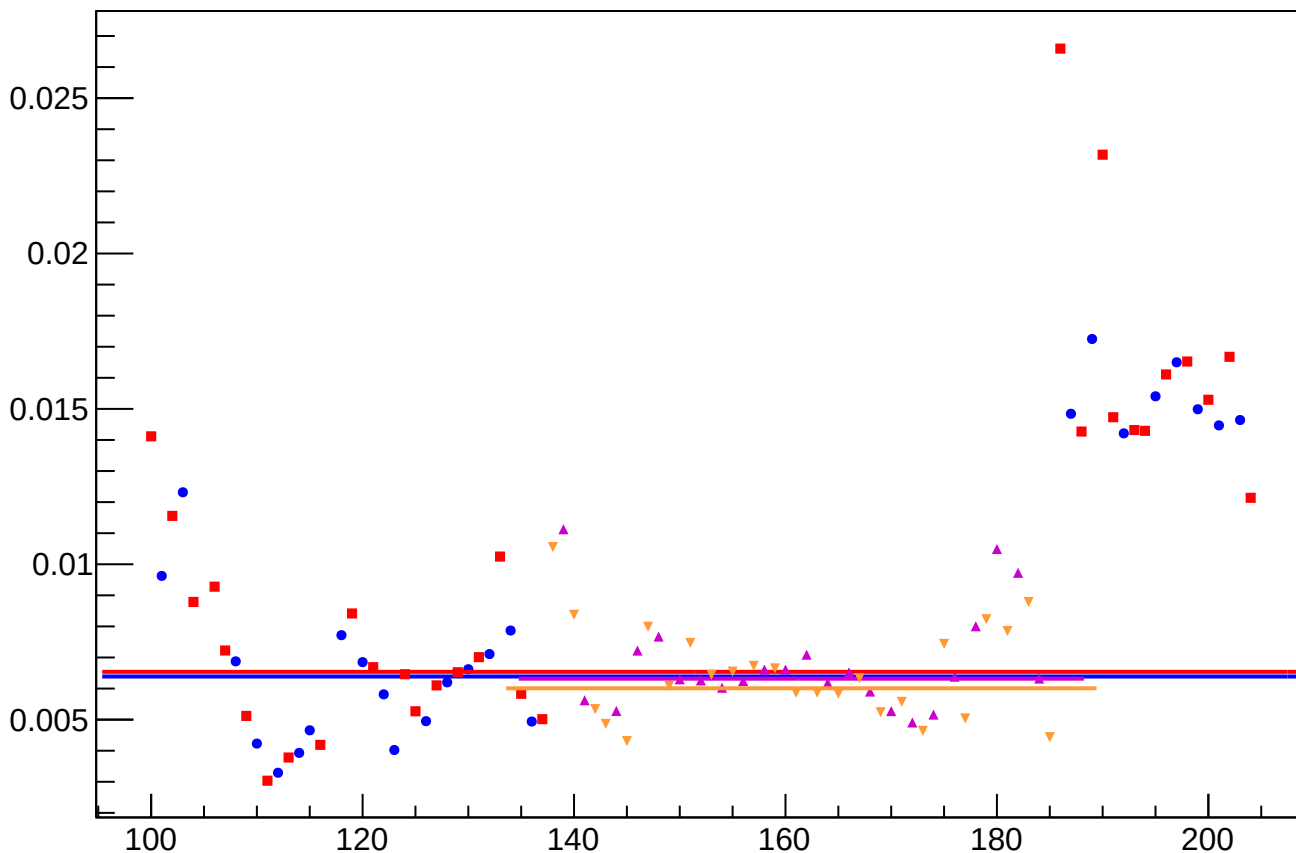
Left In: 8.914 $\pm$ 0.000 χ^2/NDF : 28497227562.7/22

+ sign 9.216 $\pm$ 0.000 χ^2/NDF : 207805310865.9/49

All: 9.258 $\pm$ 0.000 χ^2/NDF : 427583718233.5

- sign 9.302 $\pm$ 0.000 χ^2/NDF : 217605768397.6/52

yield_sam8_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 5278287.2/24

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6982878.2/29

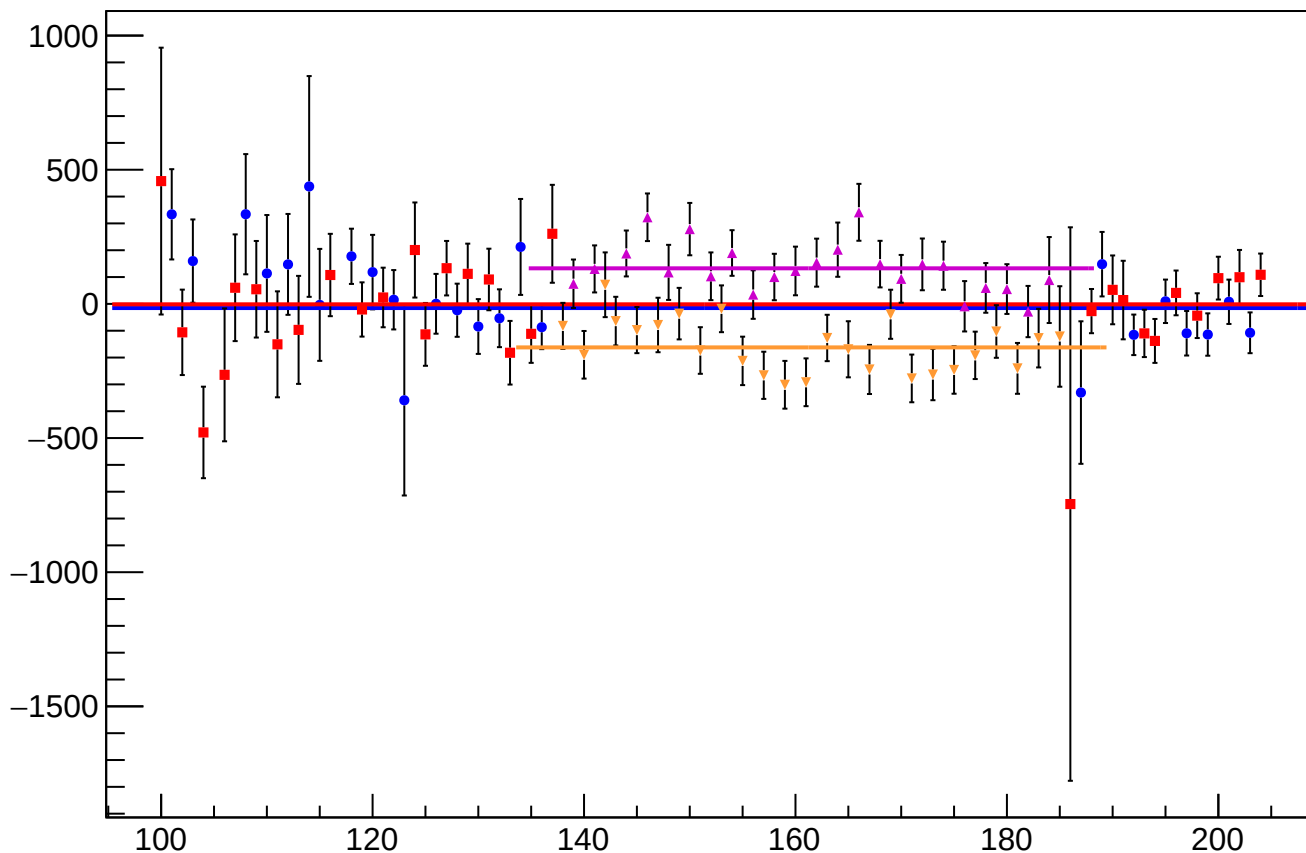
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 6629627.8/49

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 14754639.2/102

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 8083062.3/52

reg_asym_sam1_mean vs Slug



Right In: -15.499 ± 22.401 χ^2/NDF : 28.3/24

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -1.585 ± 21.322 χ^2/NDF : 32.9/29

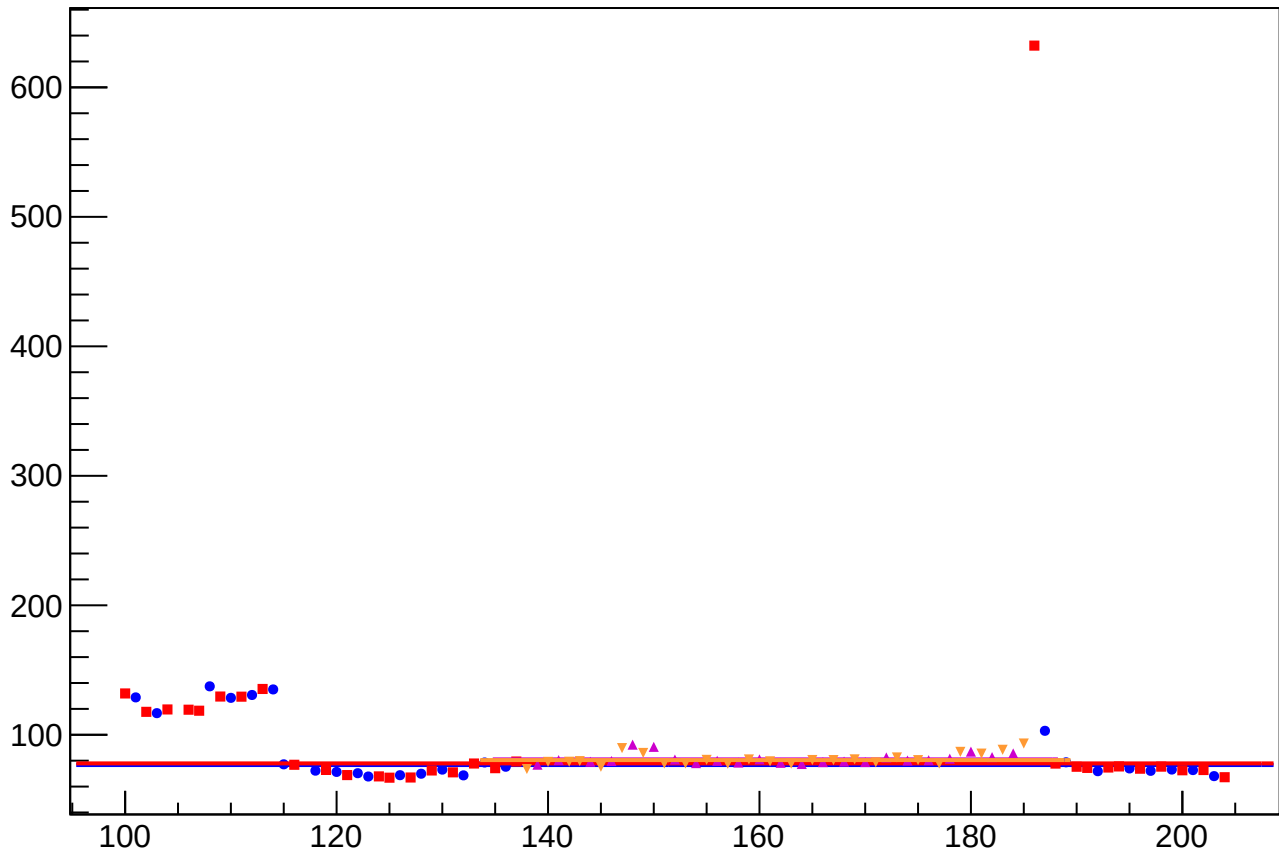
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -101.760 ± 14.376 χ^2/NDF : 79.2/49

All: -14.833 ± 10.156 χ^2/NDF : 227.5/102

- sign 71.791 ± 14.351 χ^2/NDF : 75.3/52

reg_asym_sam1_rms vs Slug



Right In: 76.632 $\pm$ 0.016 χ^2 /NDF: 910554.3/24

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 77.911 $\pm$ 0.015 χ^2 /NDF: 1592589.2/29

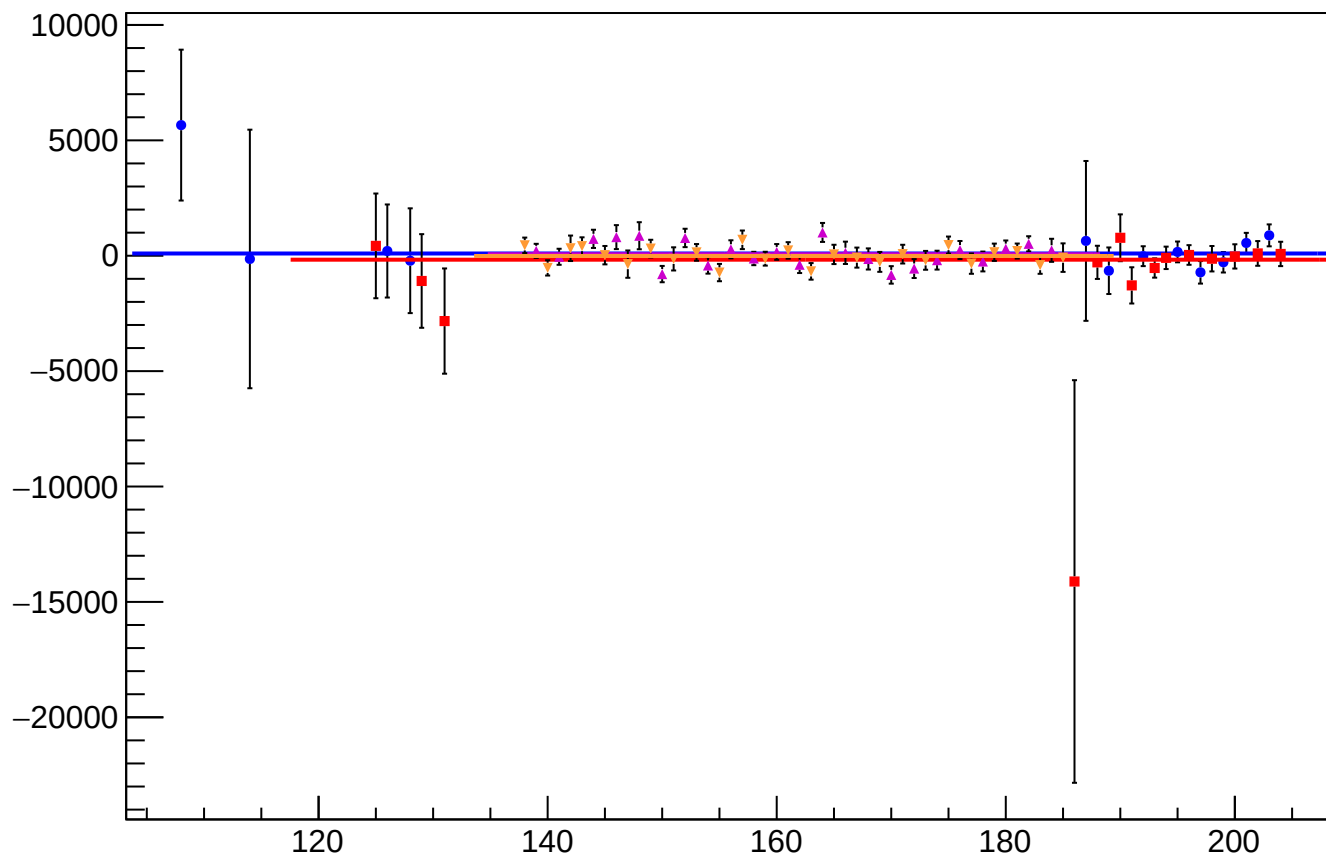
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 78.883 $\pm$ 0.010 χ^2 /NDF: 1034831.8/49

All: 79.246 $\pm$ 0.007 χ^2 /NDF: 2725397.5/102

- sign 79.608 $\pm$ 0.010 χ^2 /NDF: 1688014.4/52

asym_sam1_correction_mean vs Slug



Right In: 97.429+/-180.002 χ^2/NDF : 10.9/11

Left Out: -10.486+/-78.391 χ^2/NDF : 22.5/24

Right Out: -171.160+/-169.901 χ^2/NDF : 8.7/13

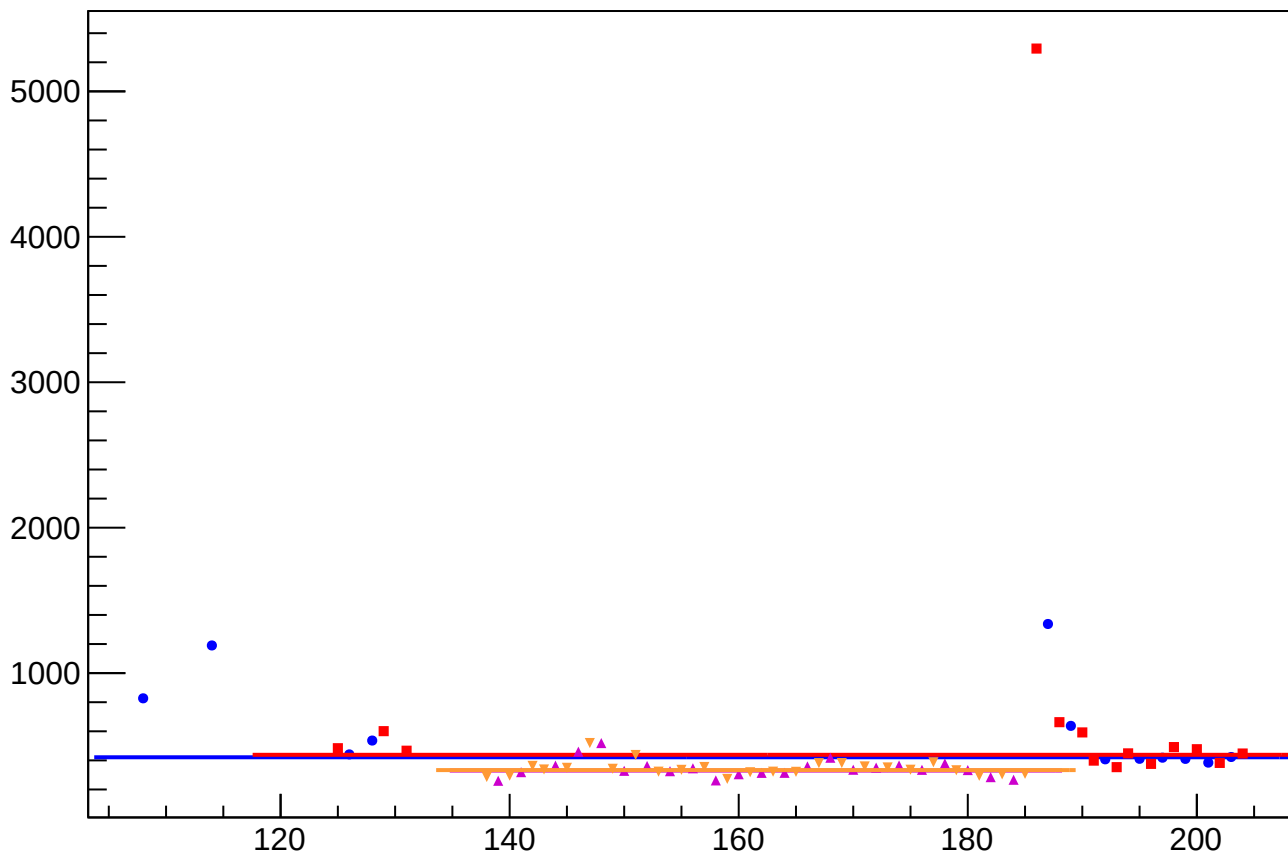
Left In: 64.591+/-80.047 χ^2/NDF : 37.4/22

+ sign 6.718+/-71.871 χ^2/NDF : 33.8/36

All: 14.186+/-51.011 χ^2/NDF : 81.4/73

- sign 21.767+/-72.412 χ^2/NDF : 47.6/36

asym_sam1_correction_rms vs Slug



Right In: 421.399 $\pm$ 0.127 χ^2 /NDF: 324145.0/11

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 438.405 $\pm$ 0.120 χ^2 /NDF: 1057277.7/13

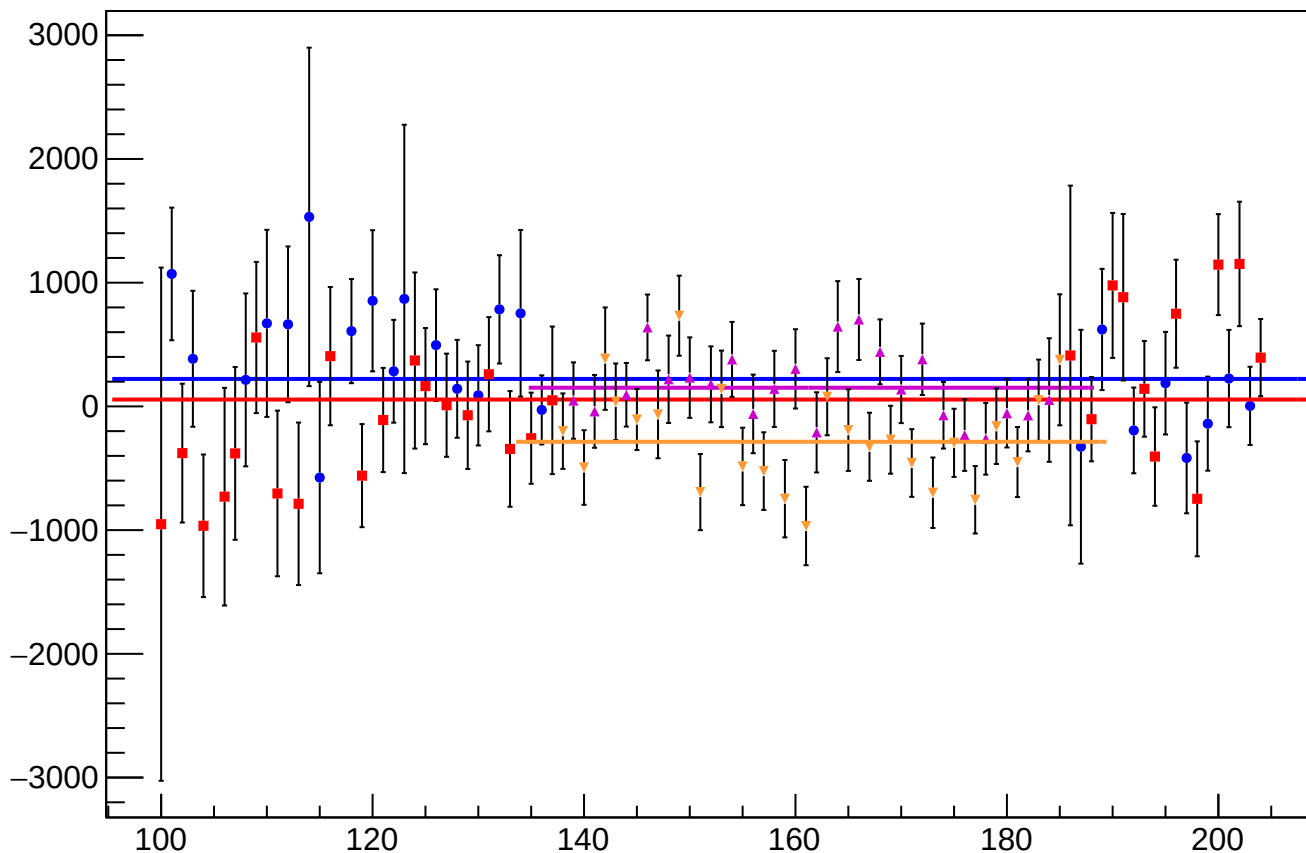
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 347.289 $\pm$ 0.051 χ^2 /NDF: 1319591.6/36

All: 348.475 $\pm$ 0.036 χ^2 /NDF: 3840426.7/73

- sign 349.680 $\pm$ 0.051 χ^2 /NDF: 2519736.8/36

reg_asym_sam2_mean vs Slug



Right In: 222.051 ± 92.929 $\chi^2/\text{NDF}: 17.2/24$

Left Out: -286.030 ± 61.095 $\chi^2/\text{NDF}: 36.6/24$

Right Out: 55.609 ± 89.094 $\chi^2/\text{NDF}: 37.7/29$

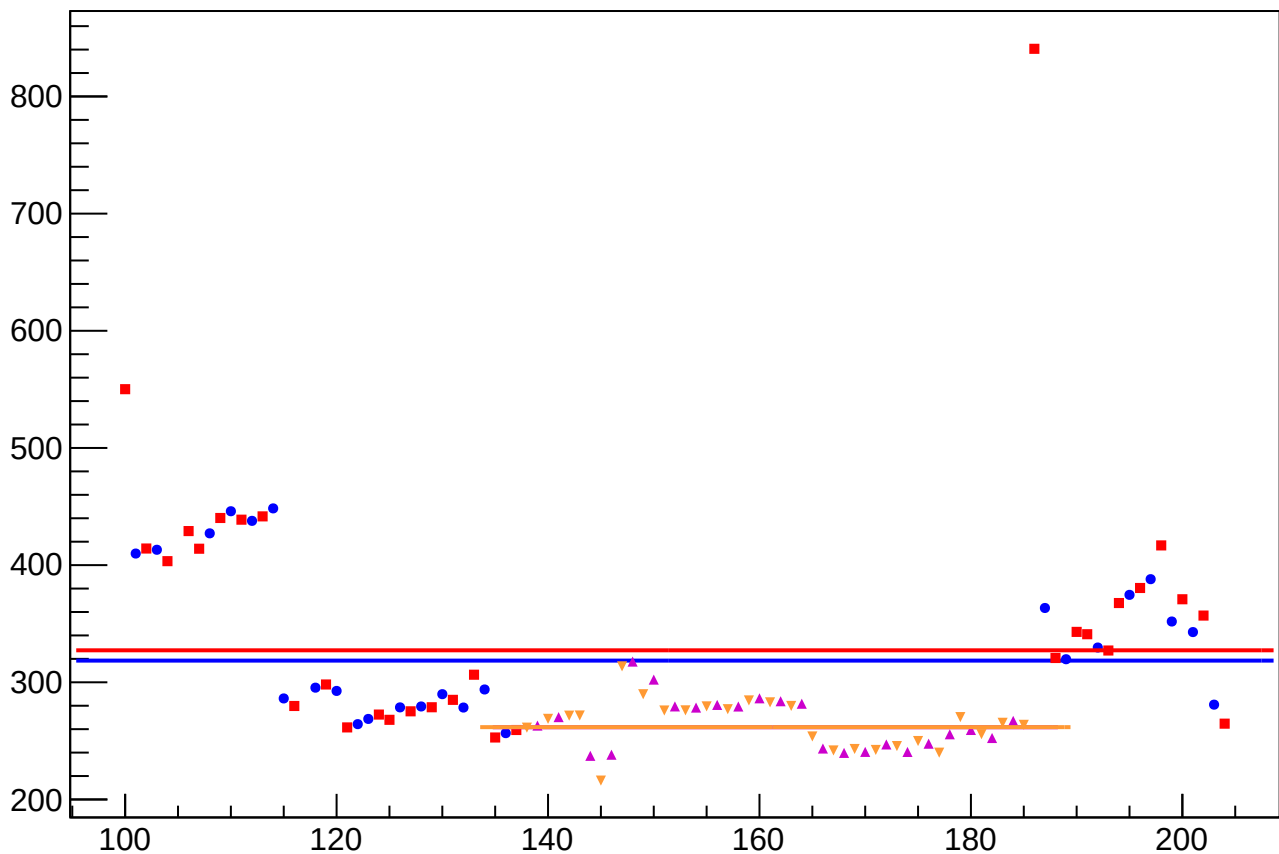
Left In: 150.920 ± 62.818 $\chi^2/\text{NDF}: 18.7/22$

+ sign -132.701 ± 51.050 $\chi^2/\text{NDF}: 74.6/49$

All: -7.427 ± 36.200 $\chi^2/\text{NDF}: 143.9/102$

- sign 119.272 ± 51.340 $\chi^2/\text{NDF}: 57.2/52$

reg_asym_sam2_rms vs Slug



Right In: 318.514 $\pm$ 0.066 χ^2 /NDF: 668445.2/24

Left Out: 261.722 $\pm$ 0.043 χ^2 /NDF: 233222.6/24

Right Out: 327.299 $\pm$ 0.063 χ^2 /NDF: 1166743.8/29

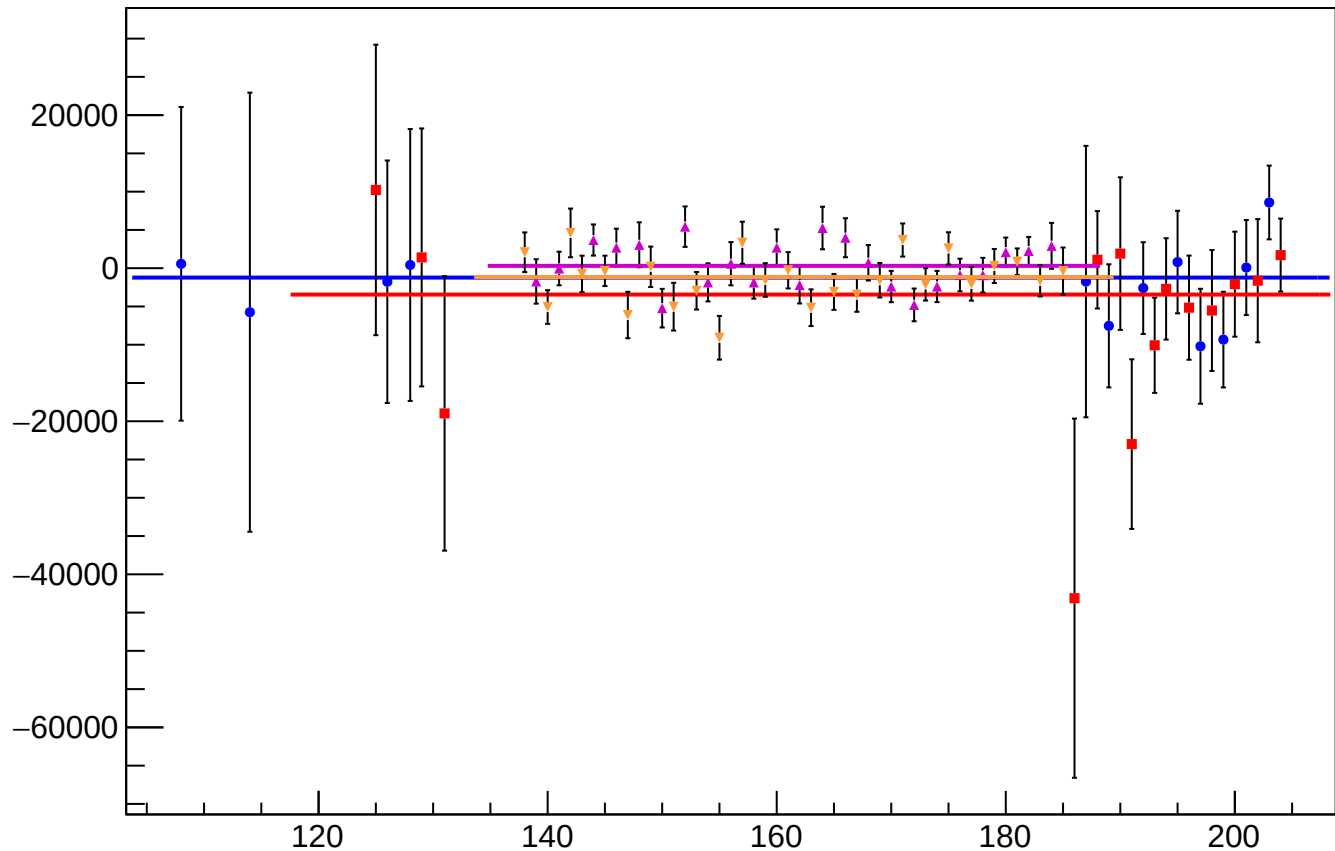
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 278.861 $\pm$ 0.036 χ^2 /NDF: 1423226.4/49

All: 281.137 $\pm$ 0.026 χ^2 /NDF: 3551829.8/102

- sign 283.440 $\pm$ 0.036 χ^2 /NDF: 2120602.3/52

asym_sam2_correction_mean vs Slug



Right In: -1227.168 ± 2283.158 χ^2/NDF : 8.1/11

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -3445.025 ± 2127.287 χ^2/NDF : 10.7/13

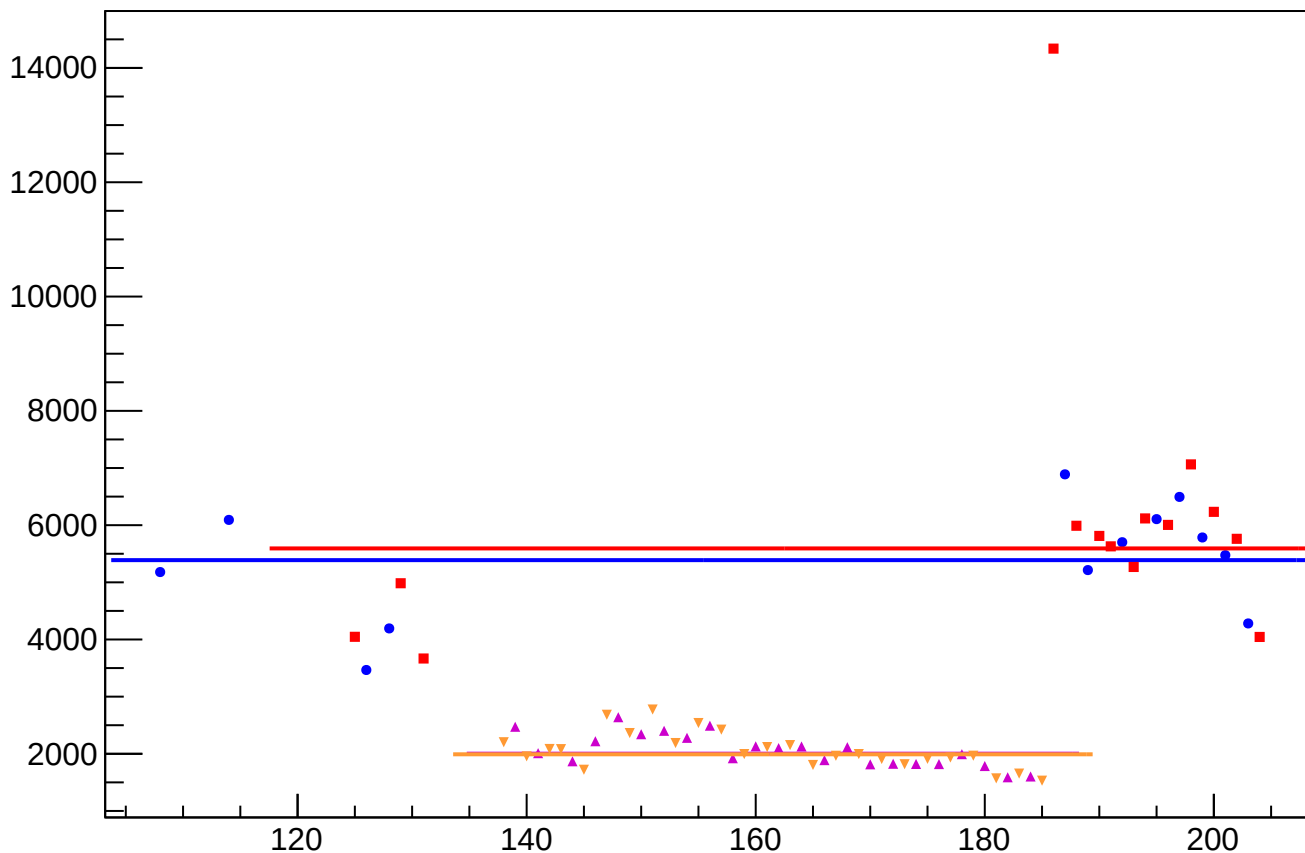
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1164.104 ± 459.442 χ^2/NDF : 46.9/36

All: -539.004 ± 329.134 χ^2/NDF : 99.6/73

- sign 119.991 ± 471.734 χ^2/NDF : 49.0/36

asym_sam2_correction_rms vs Slug



Right In: 5388.347+/-1.614 χ^2/NDF : 241158.6/11

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5593.225+/-1.504 χ^2/NDF : 648951.2/13

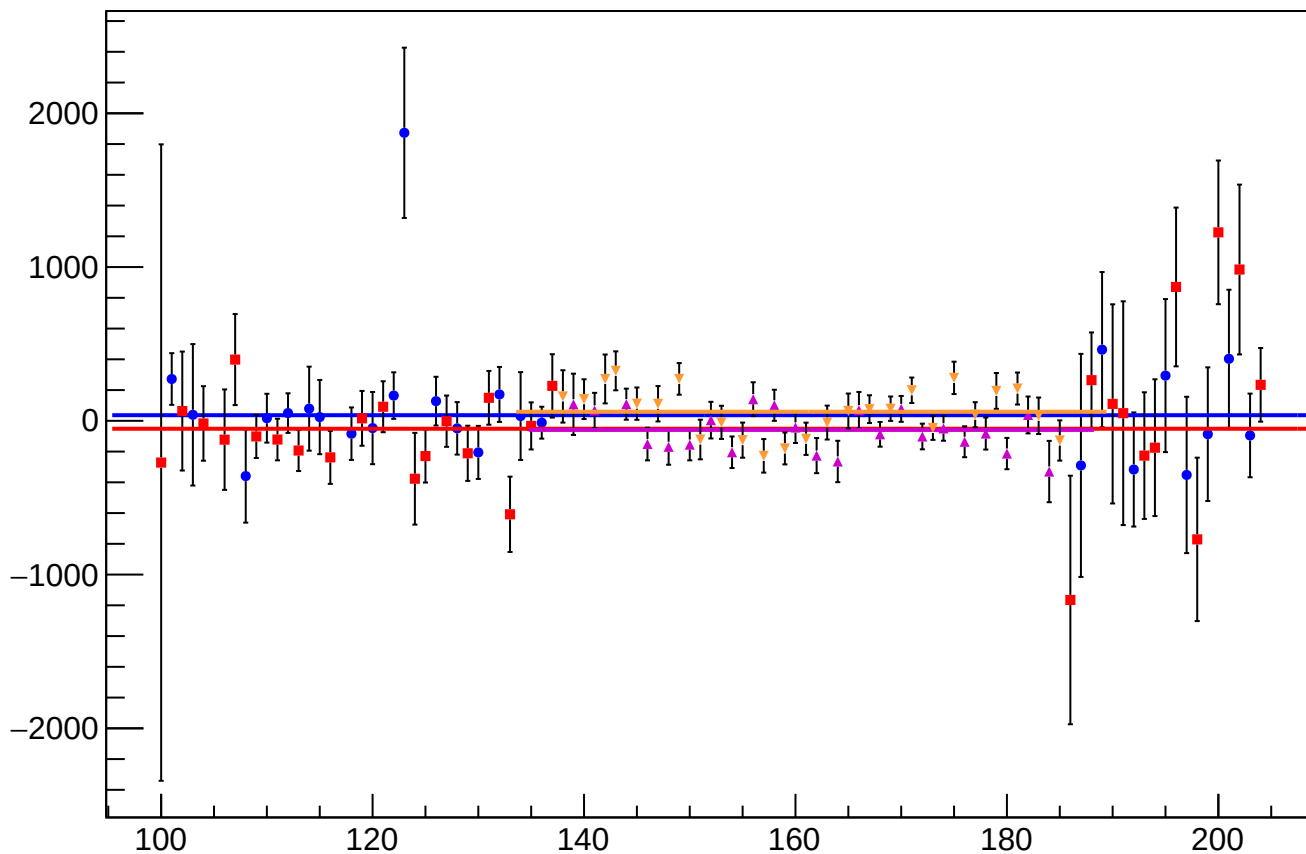
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2128.672+/-0.325 χ^2/NDF : 5216195.4/36

All: 2153.047+/-0.233 χ^2/NDF : 11881748.3/7

- sign 2178.743+/-0.334 χ^2/NDF : 6653989.0/36

reg_asym_sam3_mean vs Slug



Right In: 36.515 ± 41.884 χ^2/NDF : 23.1/24

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -51.610 ± 40.988 χ^2/NDF : 38.2/29

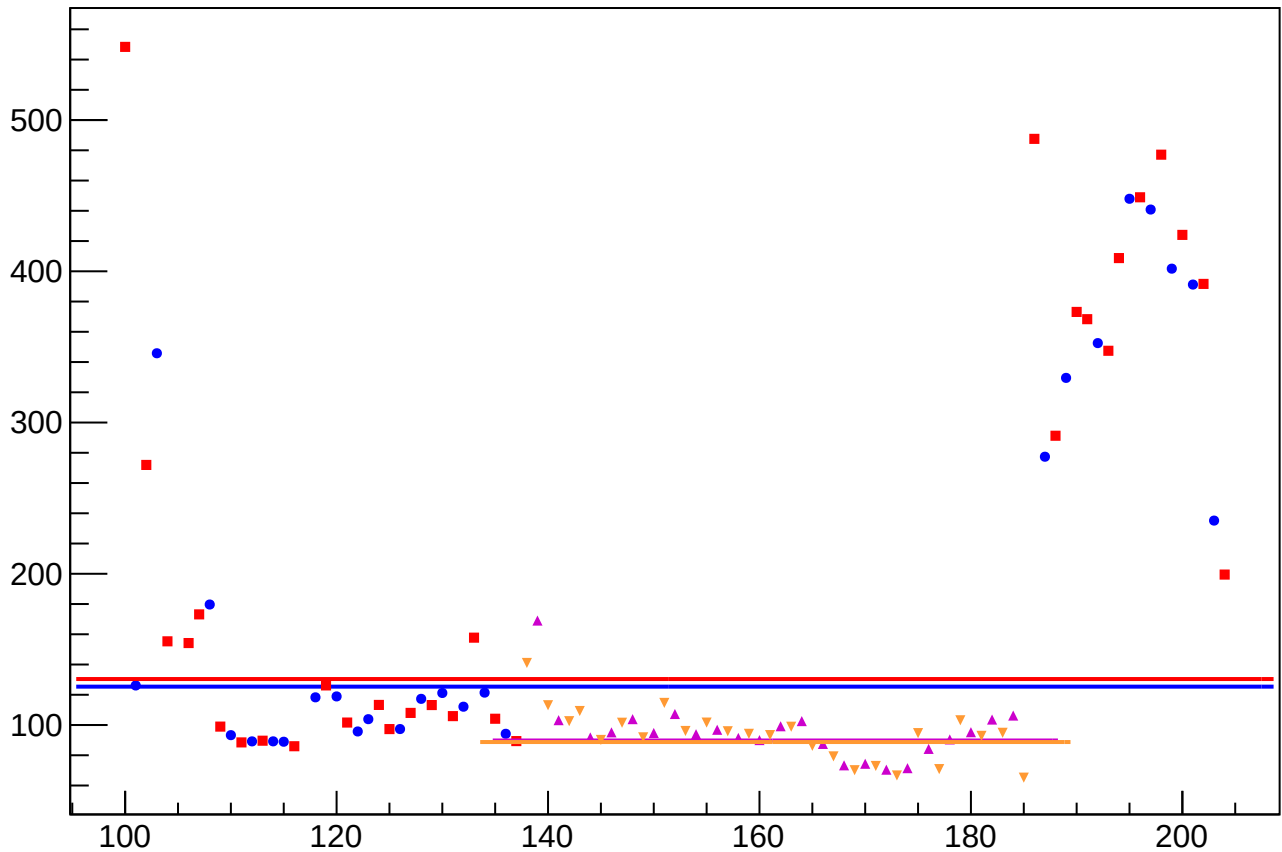
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 54.422 ± 18.870 χ^2/NDF : 70.2/49

All: -0.211 ± 13.503 χ^2/NDF : 155.0/102

- sign -57.539 ± 19.330 χ^2/NDF : 67.6/52

reg_asym_sam3_rms vs Slug



Right In: 125.372 $\pm$ 0.030 χ^2 /NDF: 5799585.1/24

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 130.403 $\pm$ 0.029 χ^2 /NDF: 7211232.5/29

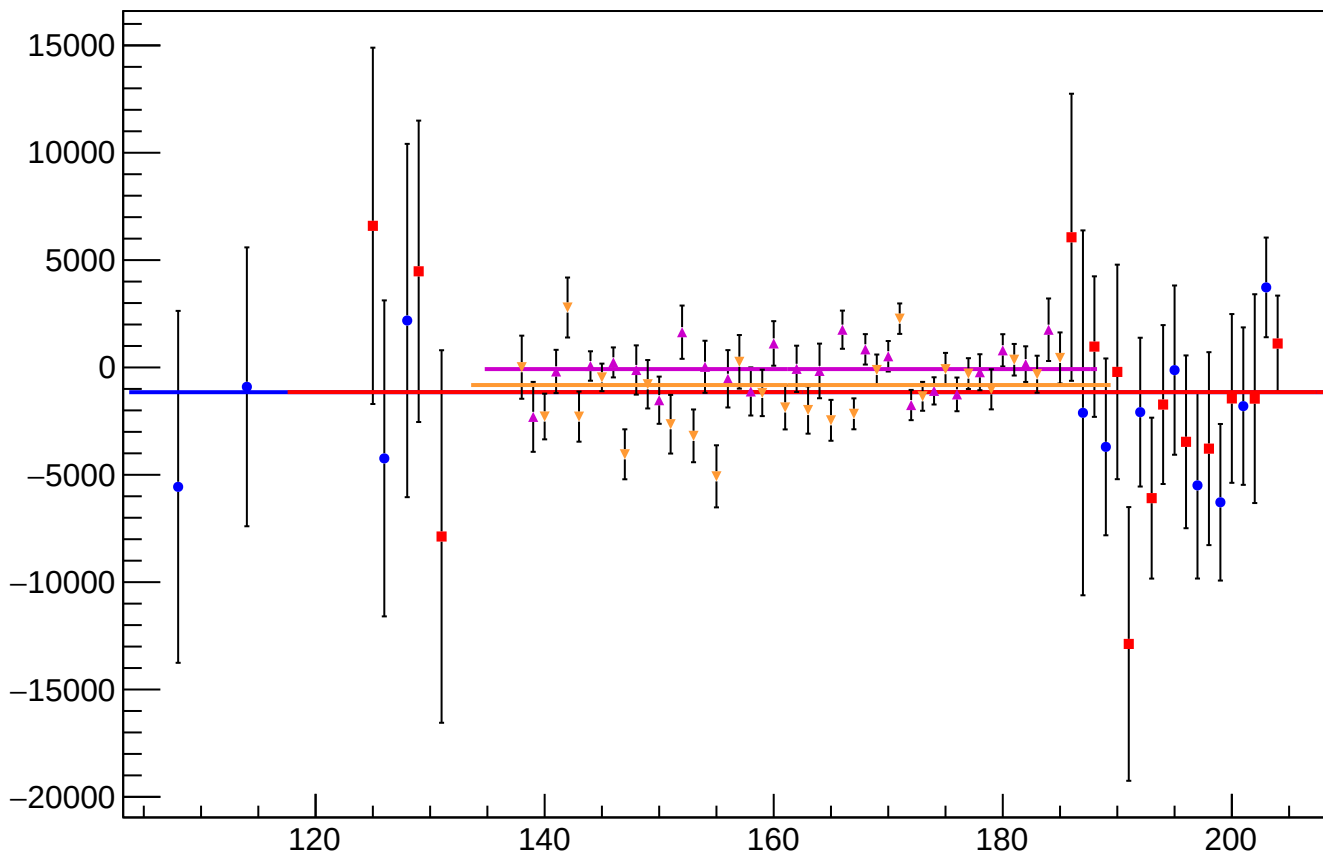
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 96.182 $\pm$ 0.013 χ^2 /NDF: 8097664.8/49

All: 97.462 $\pm$ 0.010 χ^2 /NDF: 17742284.8/102

- sign 98.804 $\pm$ 0.014 χ^2 /NDF: 9625777.8/52

asym_sam3_correction_mean vs Slug



Right In: -1152.544 $\pm$ 1212.155 χ^2 /NDF: 8.6/11

Left Out: -818.877 $\pm$ 184.464 χ^2 /NDF: 68.2/24

Right Out: -1147.783 $\pm$ 1123.851 χ^2 /NDF: 10.6/13

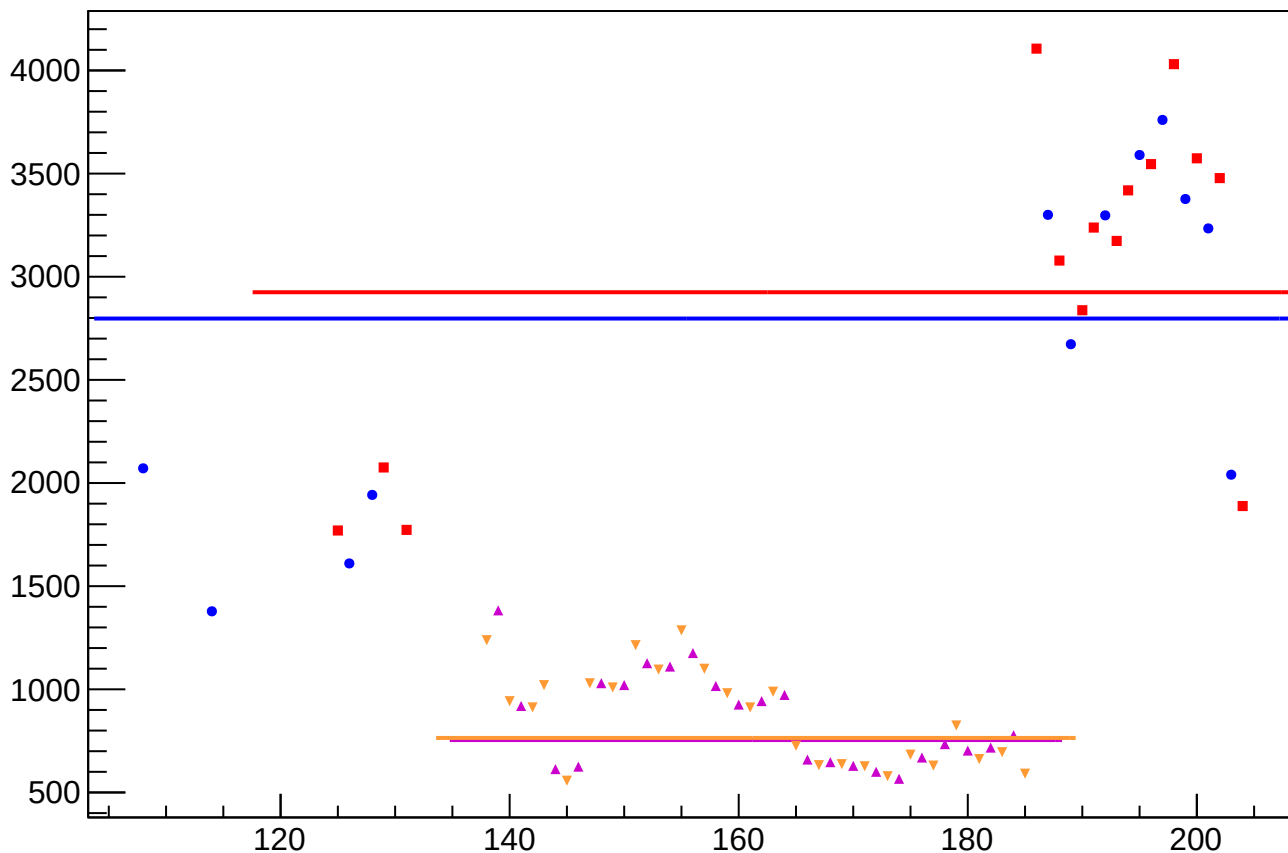
Left In: -76.204 $\pm$ 186.651 χ^2 /NDF: 28.3/22

+ sign -826.429 $\pm$ 182.364 χ^2 /NDF: 76.9/36

All: -469.171 $\pm$ 129.570 χ^2 /NDF: 124.4/73

- sign -104.968 $\pm$ 184.129 χ^2 /NDF: 39.7/36

asym_sam3_correction_rms vs Slug



Right In: 2797.345 ± 0.857 χ^2/NDF : 706346.1/11

Left Out: 764.280 ± 0.130 χ^2/NDF : 2315985.8/24

Right Out: 2924.849 ± 0.795 χ^2/NDF : 900327.8/13

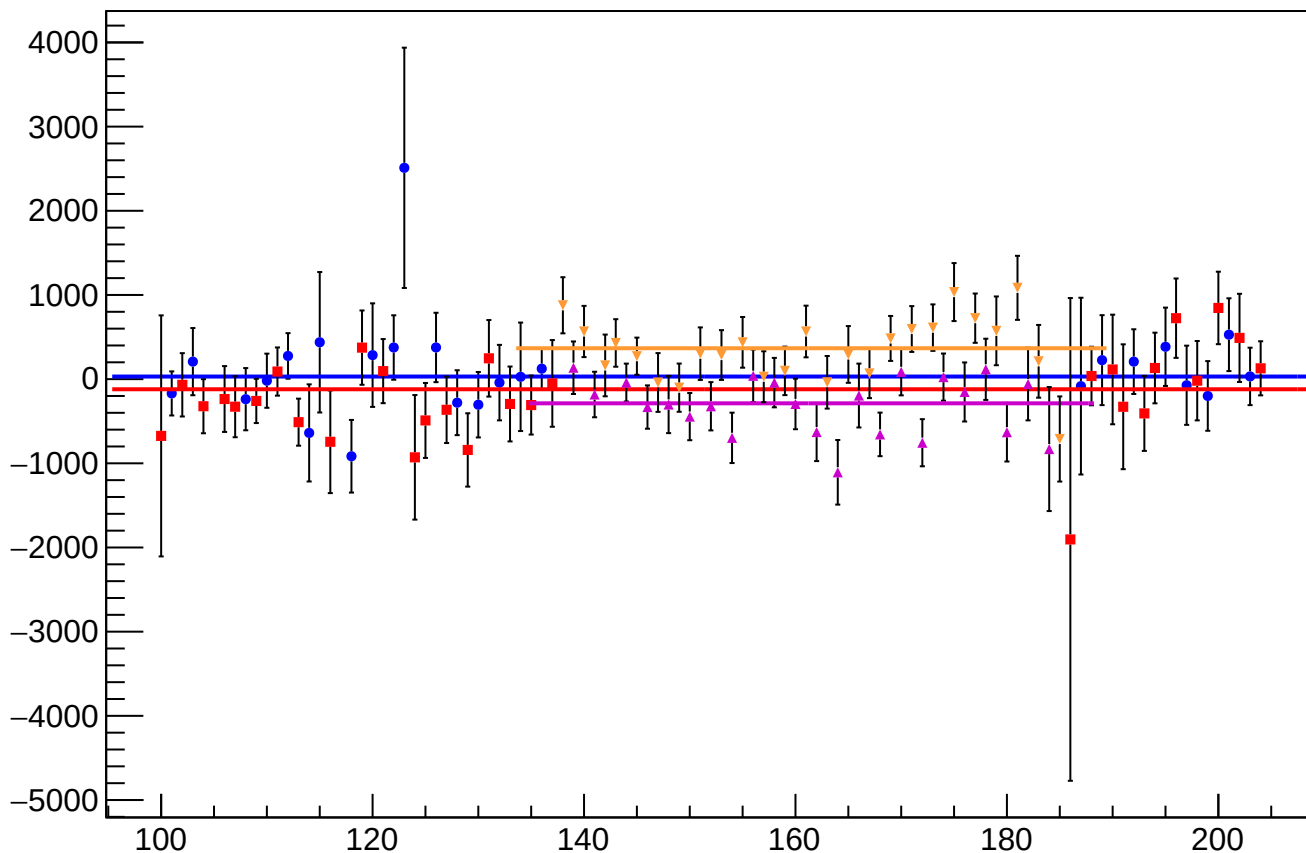
Left In: 754.027 ± 0.132 χ^2/NDF : 2013386.7/22

+ sign 810.296 ± 0.129 χ^2/NDF : 8521200.9/36

All: 811.287 ± 0.092 χ^2/NDF : 18696835.3/73

- sign 812.297 ± 0.130 χ^2/NDF : 10175515.1/36

reg_asym_sam4_mean vs Slug



Right In: 30.807 ± 80.434 $\chi^2/\text{NDF}: 17.4/24$

Left Out: 367.028 ± 61.943 $\chi^2/\text{NDF}: 28.2/24$

Right Out: -120.316 ± 75.177 $\chi^2/\text{NDF}: 24.3/29$

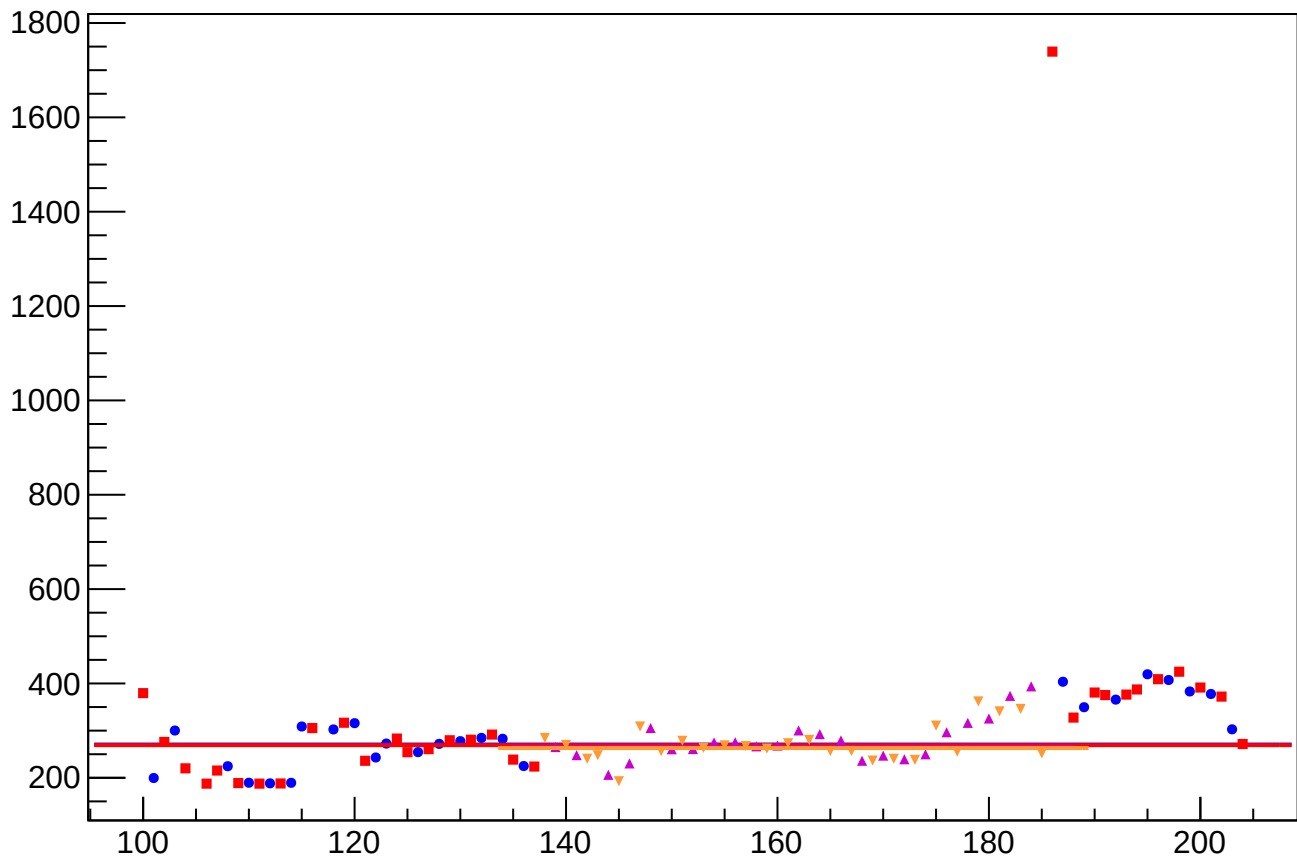
Left In: -287.246 ± 64.141 $\chi^2/\text{NDF}: 23.9/22$

+ sign 241.858 ± 49.077 $\chi^2/\text{NDF}: 56.6/49$

All: 11.143 ± 34.602 $\chi^2/\text{NDF}: 151.6/102$

- sign -216.923 ± 48.794 $\chi^2/\text{NDF}: 51.1/52$

reg_asym_sam4_rms vs Slug



Right In: 270.450+/-0.057 χ^2/NDF : 1512409.2/24

Left Out: 263.103+/-0.044 χ^2/NDF : 642226.0/24

Right Out: 269.267+/-0.053 χ^2/NDF : 2384675.5/29

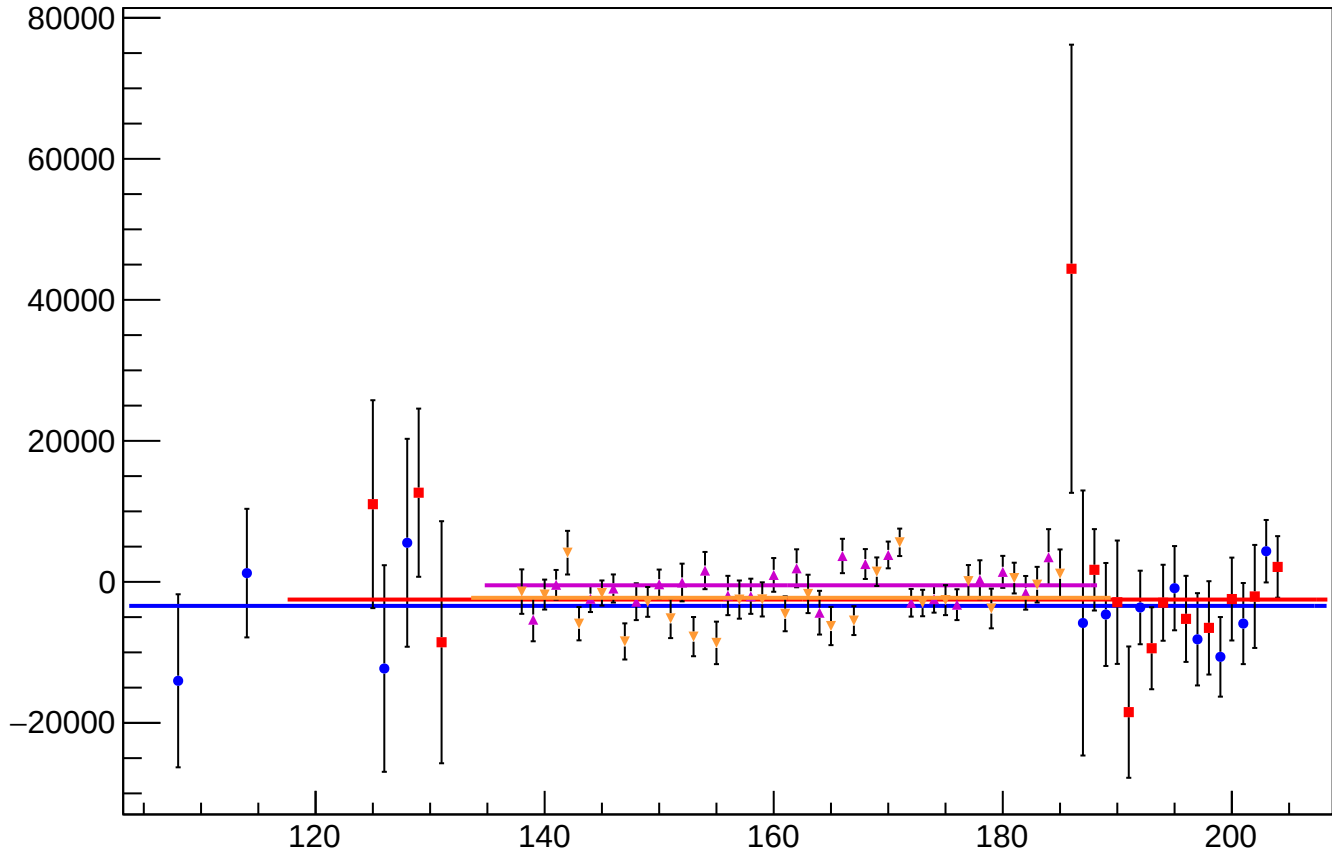
Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

+ sign 265.838+/-0.035 χ^2/NDF : 2165108.7/49

All: 266.298+/-0.024 χ^2/NDF : 5163023.9/102

- sign 266.753+/-0.035 χ^2/NDF : 2997565.4/52

asym_sam4_correction_mean vs Slug



Right In: -3406.259 ± 1999.173 χ^2/NDF : 7.4/11

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -2507.024 ± 1874.993 χ^2/NDF : 11.4/13

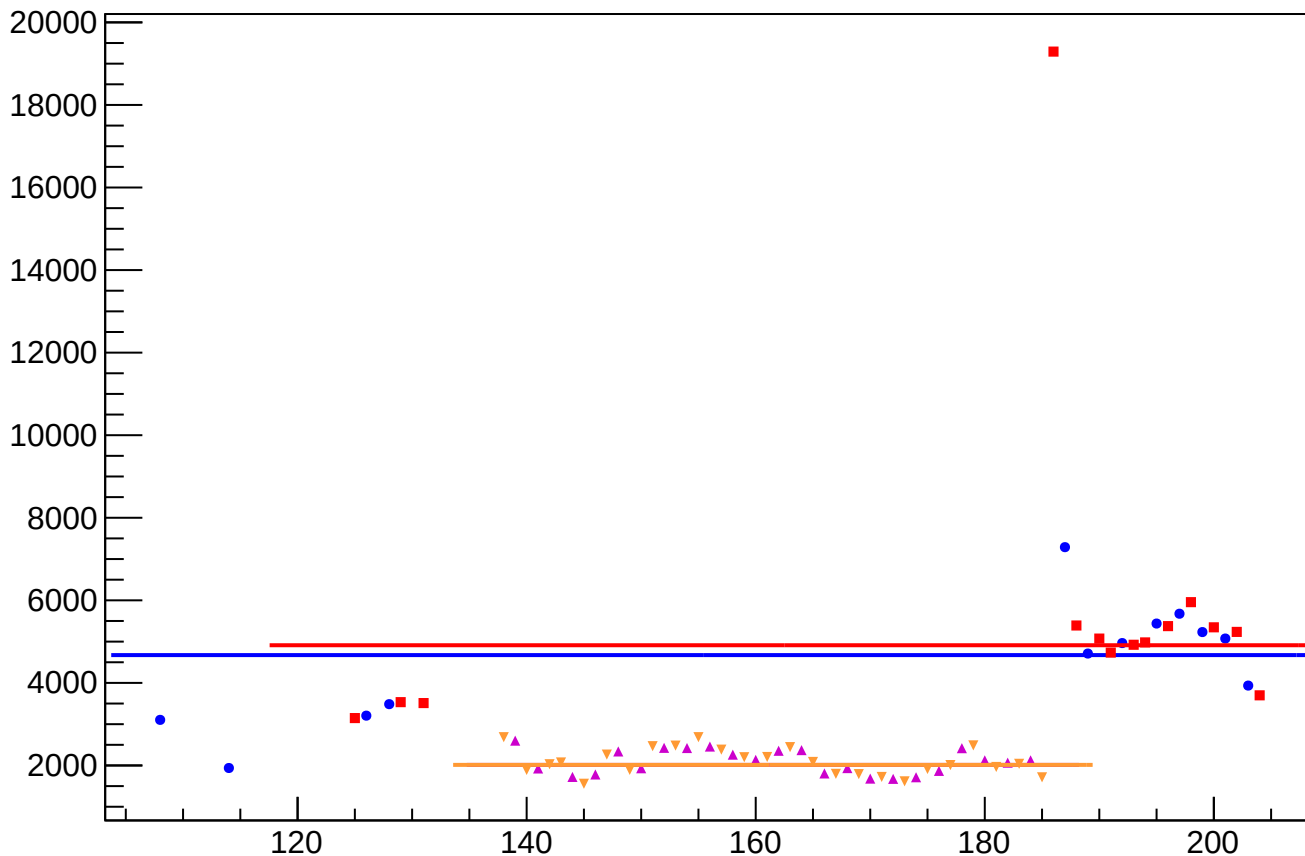
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2321.519 ± 462.444 χ^2/NDF : 60.0/36

All: -1484.615 ± 330.249 χ^2/NDF : 103.9/73

- sign -613.570 ± 471.782 χ^2/NDF : 37.2/36

asym_sam4_correction_rms vs Slug



Right In: 4673.450+/-1.414 χ^2/NDF : 455096.8/11

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4912.210+/-1.326 χ^2/NDF : 724035.0/13

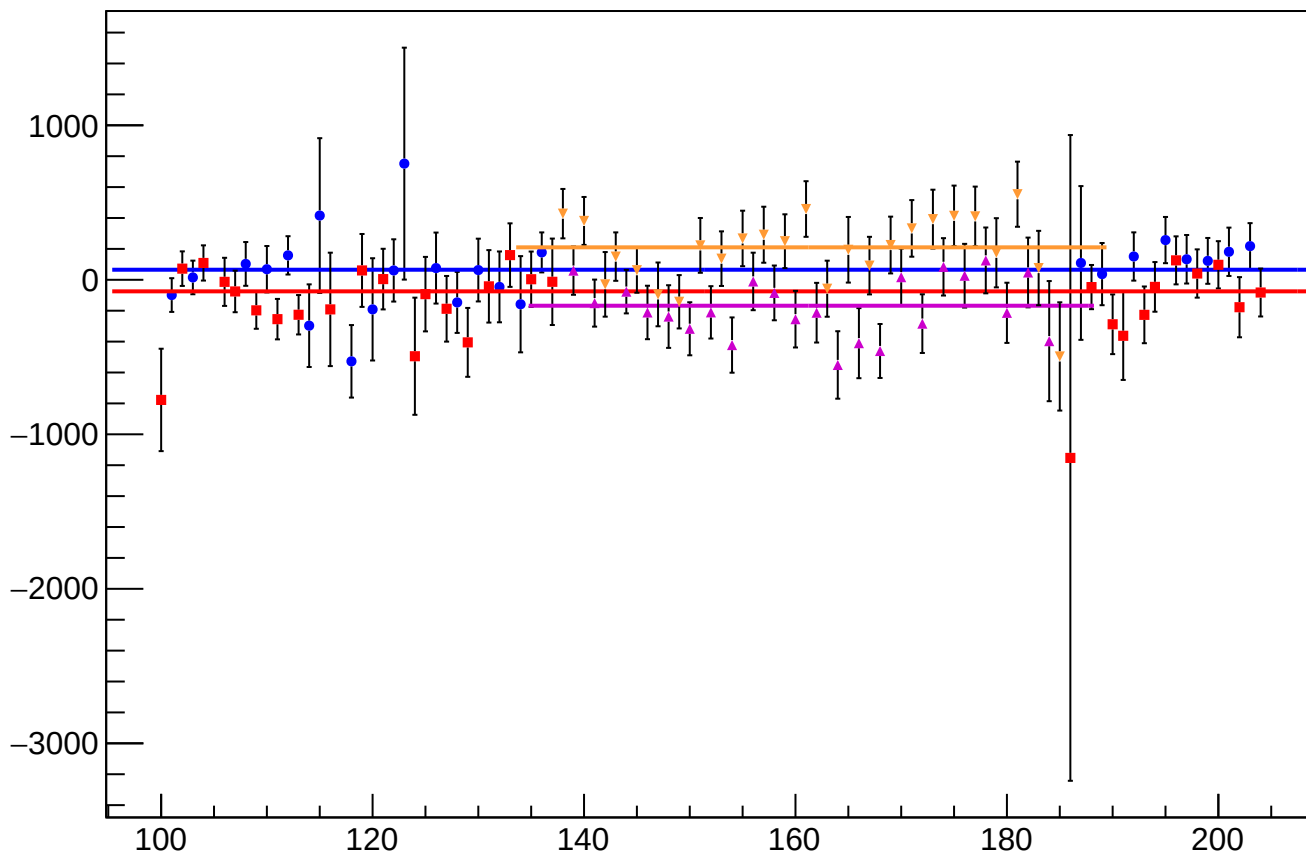
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2156.401+/-0.327 χ^2/NDF : 4640372.3/36

All: 2176.189+/-0.234 χ^2/NDF : 10512242.9/7

- sign 2196.783+/-0.334 χ^2/NDF : 5864397.6/36

reg_asym_sam5_mean vs Slug



Right In: 65.152 ± 34.428 χ^2/NDF : 19.8/24

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -74.755 ± 31.531 χ^2/NDF : 26.2/29

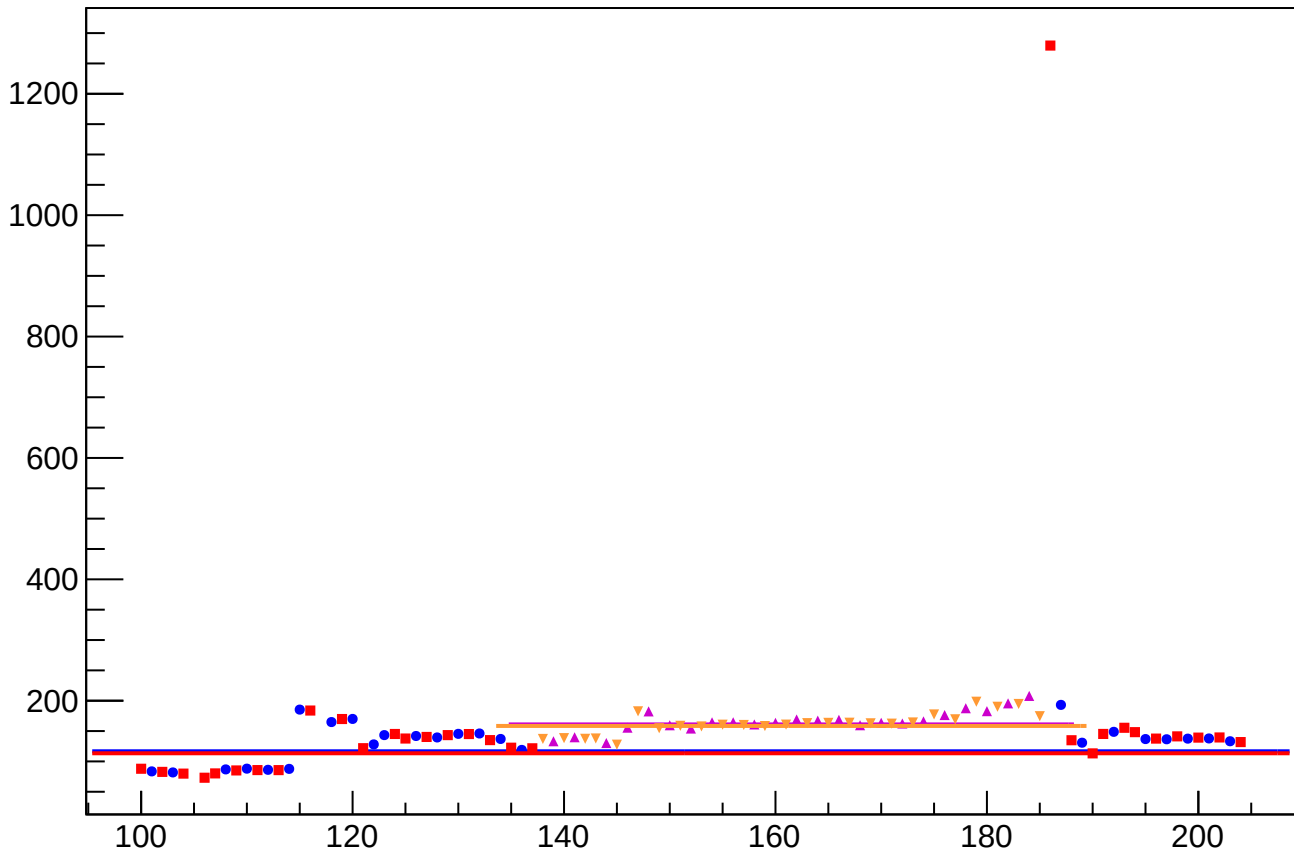
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 132.224 ± 25.234 χ^2/NDF : 55.5/49

All: 6.325 ± 17.559 χ^2/NDF : 154.6/102

- sign -111.866 ± 24.449 χ^2/NDF : 50.8/52

reg_asym_sam5_rms vs Slug



Right In: 116.668 $\pm$ 0.024 χ^2 /NDF: 1320586.1/24

Left Out: 158.440+/-0.026 χ^2/NDF :434300.9/24

Right Out: 113.404 ± 0.022 χ^2/NDF : 2371597.9/29

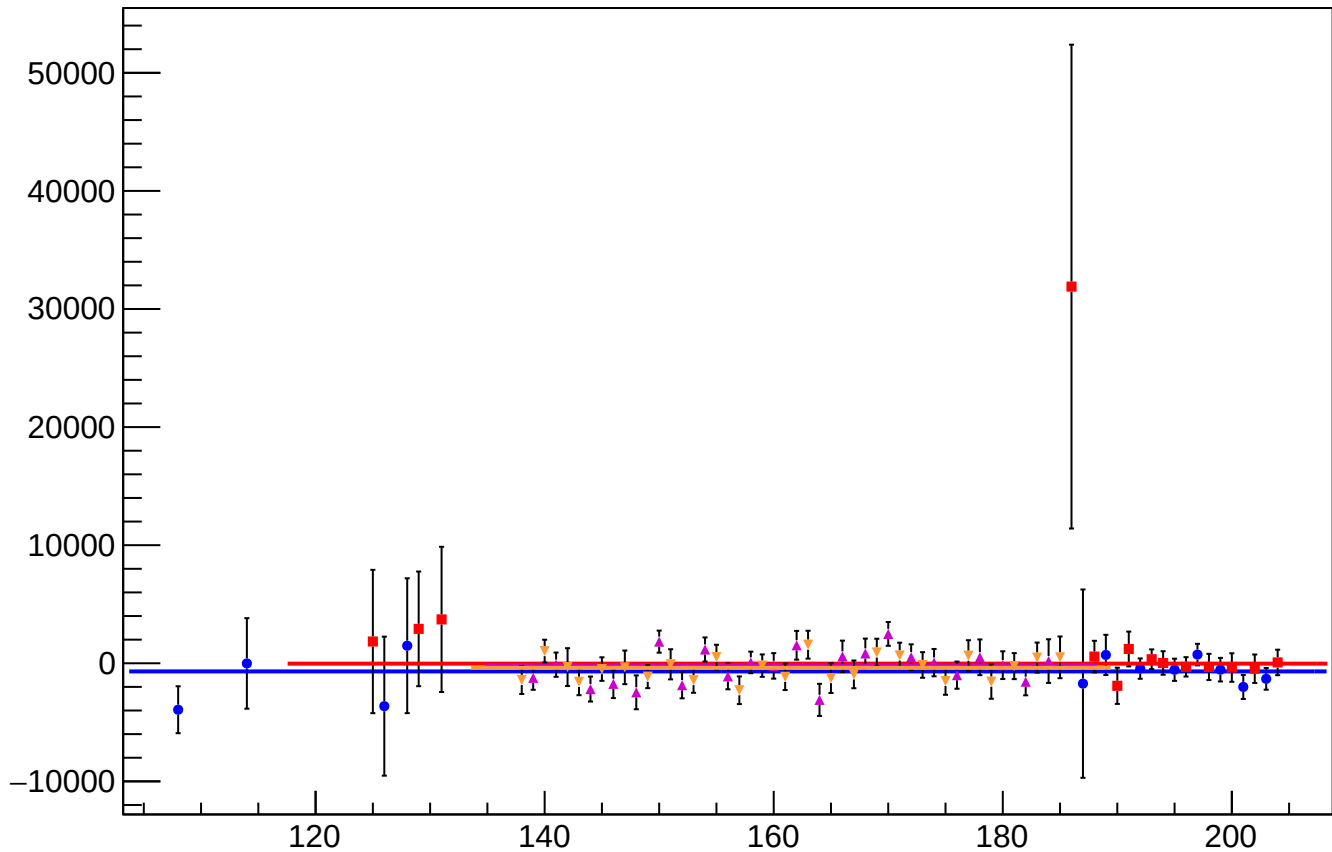
Left In: 160.947+/-0.027 χ^2/NDF :379713.4/22

+ sign 135.999+/-0.018 χ^2/NDF : 3117498.9/49

All: 134.123 ± 0.012 $\chi^2/\text{NDF}: 7703423.4/102$

- sign 132.362 $\pm$ 0.017 χ^2 /NDF: 4564493.4/52

asym_sam5_correction_mean vs Slug



Right In: -689.929+/-363.507 χ^2 /NDF: 8.5/11

Left Out: -385.018+/-231.833 χ^2 /NDF:18.1/24

Right Out: -31.718+/-342.264 χ^2 /NDF: 6.3/13

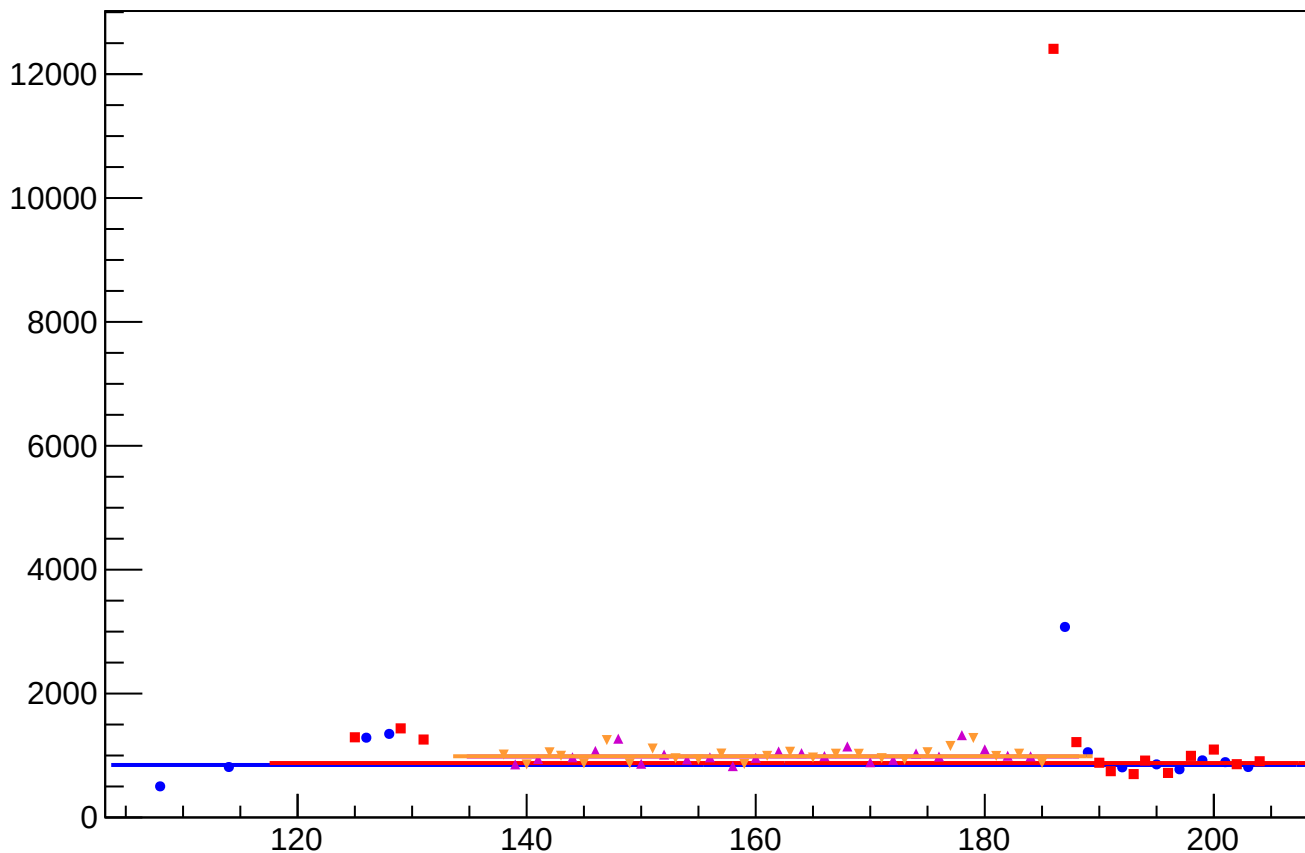
Left In: -202.234+/-237.460 χ^2 /NDF:35.5/22

+ sign -473.181+/-195.464 χ^2 /NDF: 27.0/36

All: -309.701+/-138.086 χ^2 /NDF: 70.3/73

- sign -146.827+/-195.102 χ^2 /NDF: 41.9/36

asym_sam5_correction_rms vs Slug



Right In: 847.220 $\pm$ 0.257 χ^2 /NDF: 306158.5/11

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 878.554 $\pm$ 0.242 χ^2 /NDF: 1079992.2/13

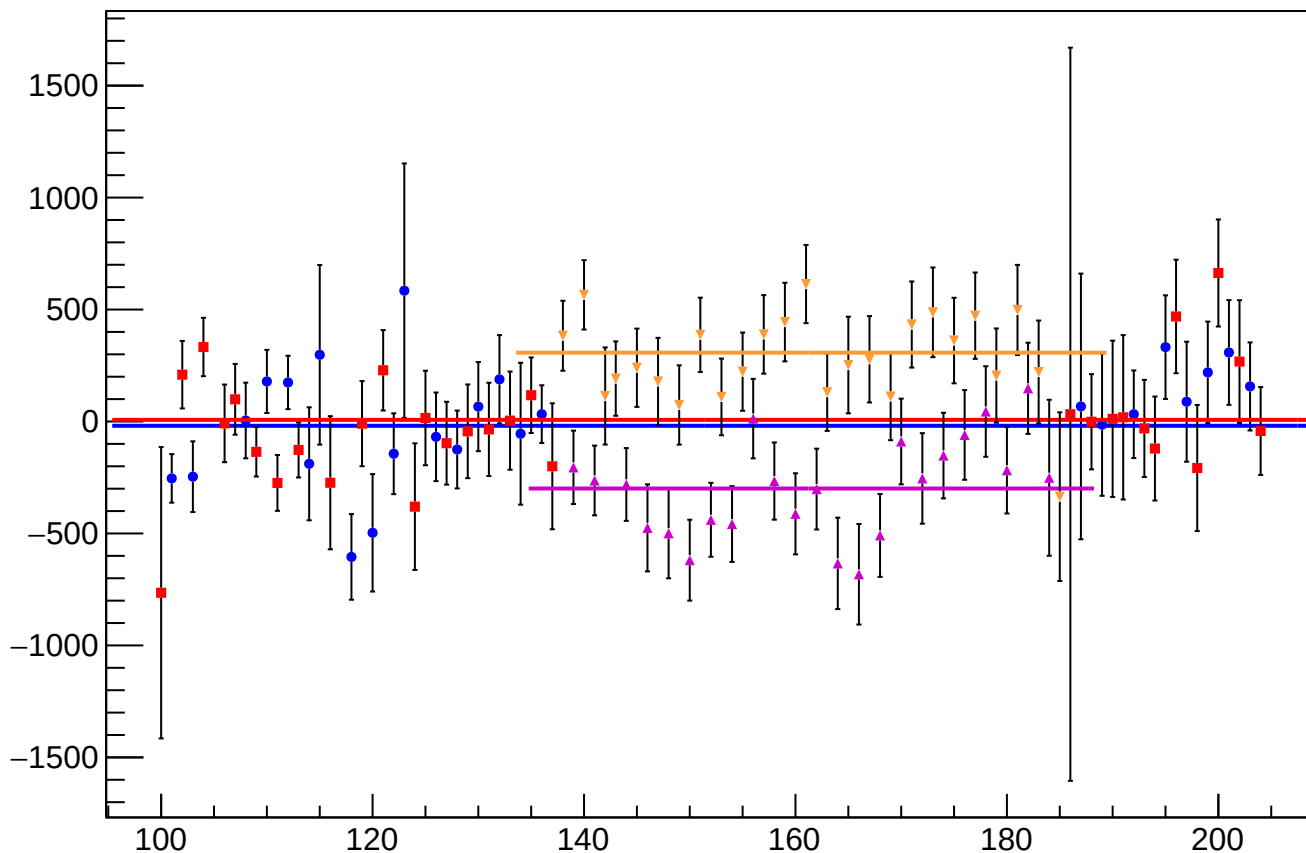
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 947.201 $\pm$ 0.138 χ^2 /NDF: 895961.0/36

All: 948.435 $\pm$ 0.098 χ^2 /NDF: 2520265.4/73

- sign 949.665 $\pm$ 0.138 χ^2 /NDF: 1624145.4/36

reg_asym_sam6_mean vs Slug



Right In: -19.080 ± 37.988 χ^2/NDF : 35.1/24

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: 7.390 ± 35.293 χ^2/NDF : 36.2/29

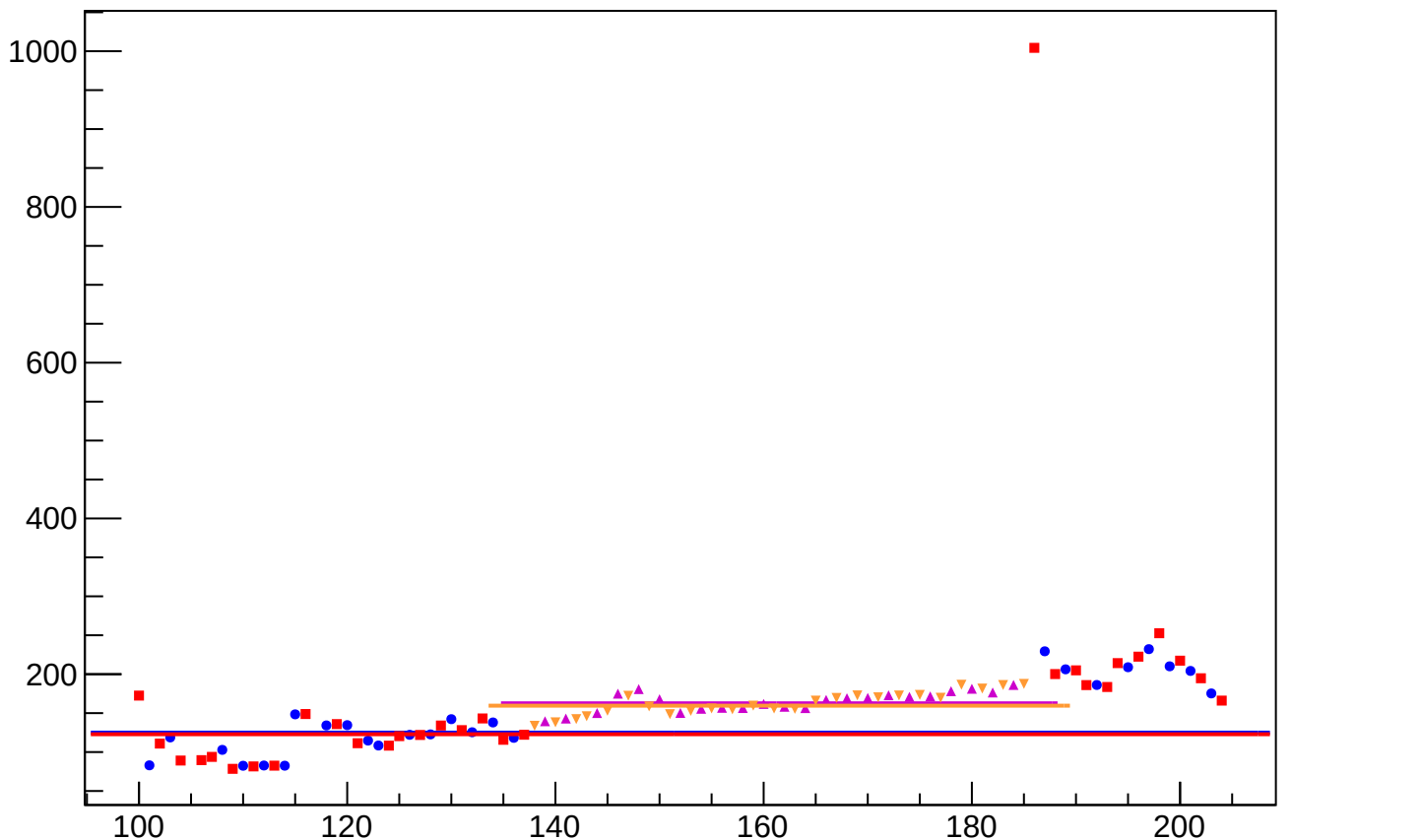
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 147.285 ± 26.607 χ^2/NDF : 93.4/49

All: 6.046 ± 18.658 χ^2/NDF : 247.5/102

- sign -130.609 ± 26.172 χ^2/NDF : 98.7/52

reg_asym_sam6_rms vs Slug



Right In: 124.955 $\pm$ 0.027 χ^2 /NDF: 2487964.4/24

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 122.895 $\pm$ 0.025 χ^2 /NDF: 3884971.7/29

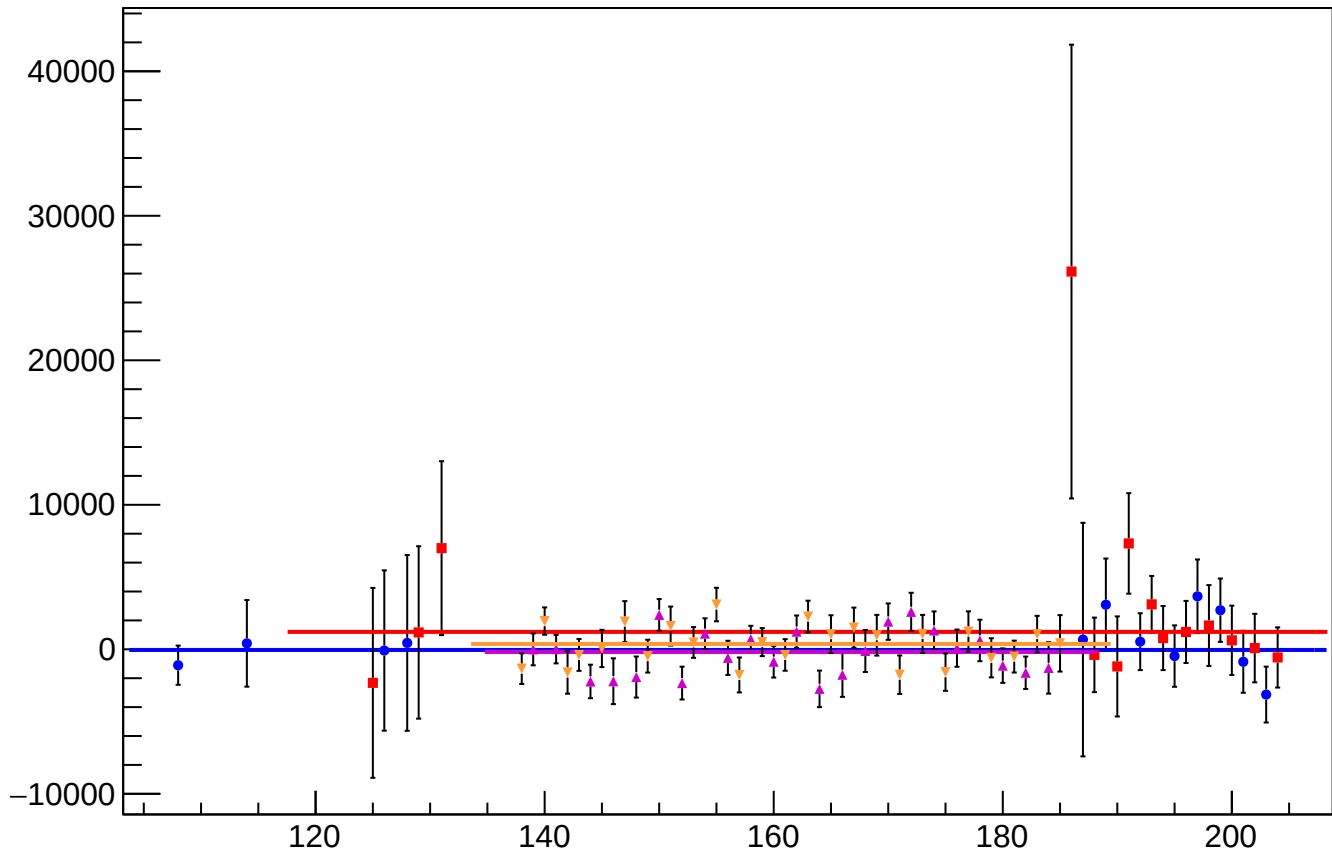
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 142.588 $\pm$ 0.019 χ^2 /NDF: 3621633.3/49

All: 141.664 $\pm$ 0.013 χ^2 /NDF: 8850638.0/102

- sign 140.770 $\pm$ 0.019 χ^2 /NDF: 5224257.0/52

asym_sam6_correction_mean vs Slug



Right In: -44.194 ± 681.200 χ^2/NDF : 8.1/11

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: 1205.420 ± 747.917 χ^2/NDF : 9.7/13

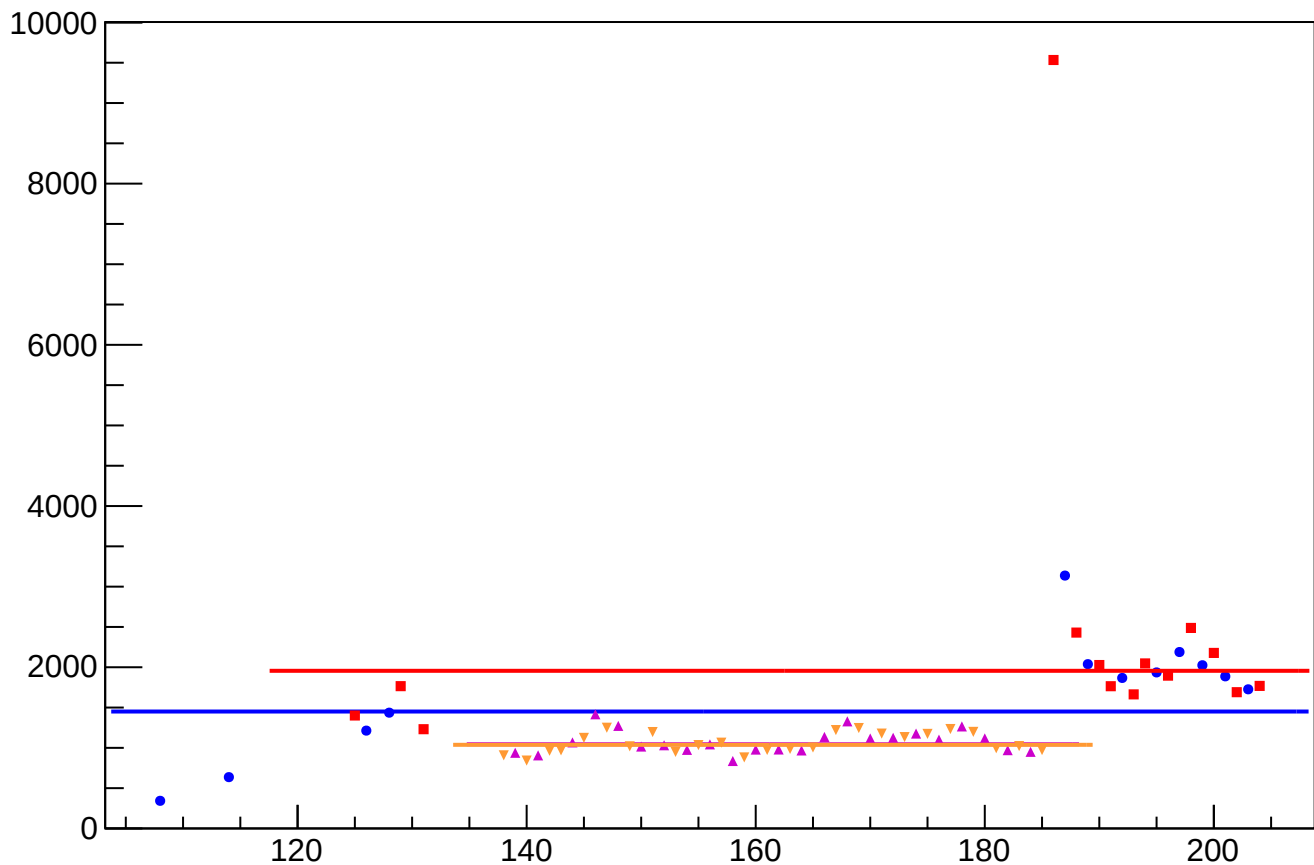
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 323.066 ± 229.308 χ^2/NDF : 38.9/36

All: 148.450 ± 165.475 χ^2/NDF : 89.4/73

- sign -41.284 ± 239.029 χ^2/NDF : 49.3/36

asym_sam6_correction_rms vs Slug



Right In: 1450.728 $\pm$ 0.482 χ^2 /NDF: 2261996.3/11

Left Out: 1037.689 $\pm$ 0.172 χ^2 /NDF: 494981.4/24

Right Out: 1955.886 $\pm$ 0.529 χ^2 /NDF: 765559.3/13

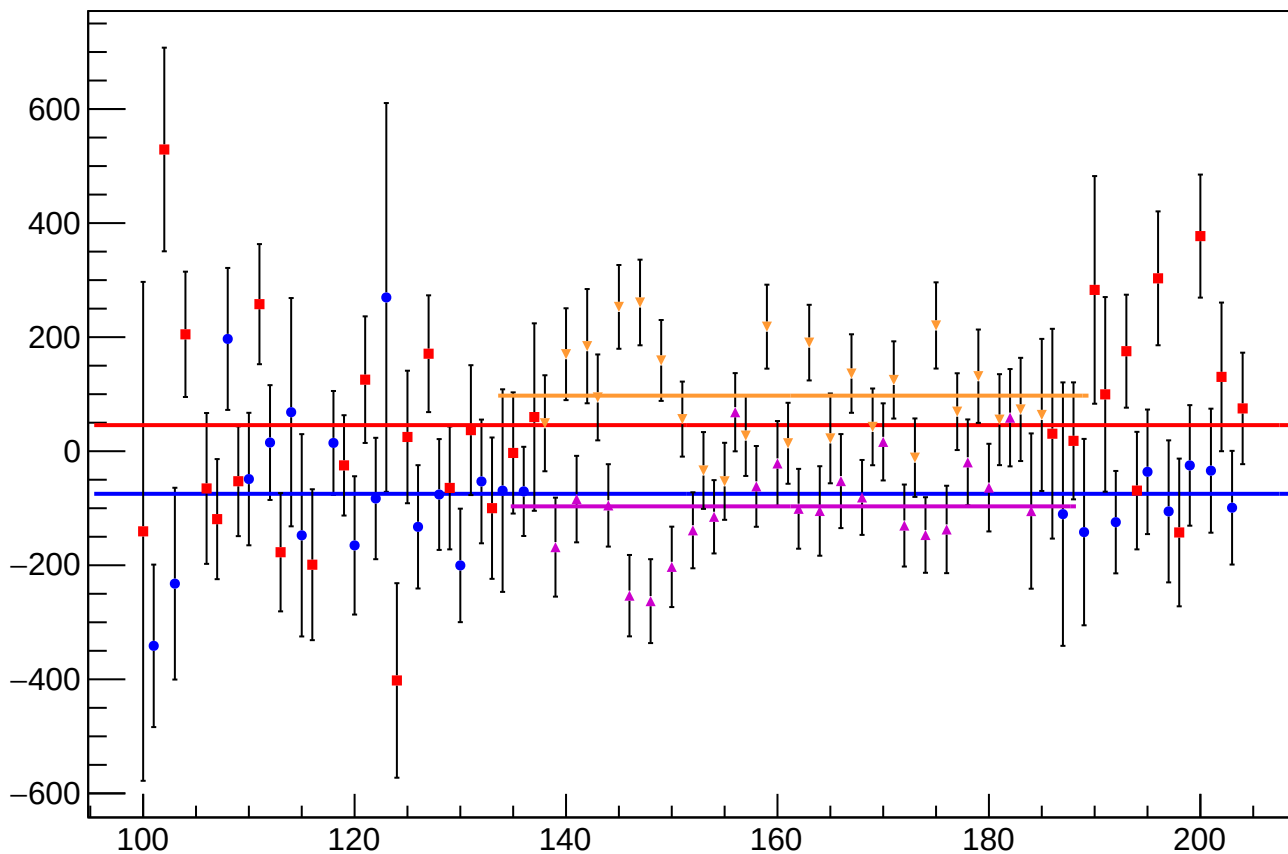
Left In: 1044.746 $\pm$ 0.178 χ^2 /NDF: 543315.5/22

+ sign 1084.493 $\pm$ 0.162 χ^2 /NDF: 3408951.8/36

All: 1110.045 $\pm$ 0.117 χ^2 /NDF: 7434672.3/73

- sign 1137.809 $\pm$ 0.169 χ^2 /NDF: 3973904.1/36

reg_asym_sam7_mean vs Slug



Right In: -74.701 ± 23.312 χ^2/NDF : 16.2/24

Left Out: 97.445 ± 14.880 χ^2/NDF : 36.0/24

Right Out: 45.745 ± 21.593 χ^2/NDF : 59.5/29

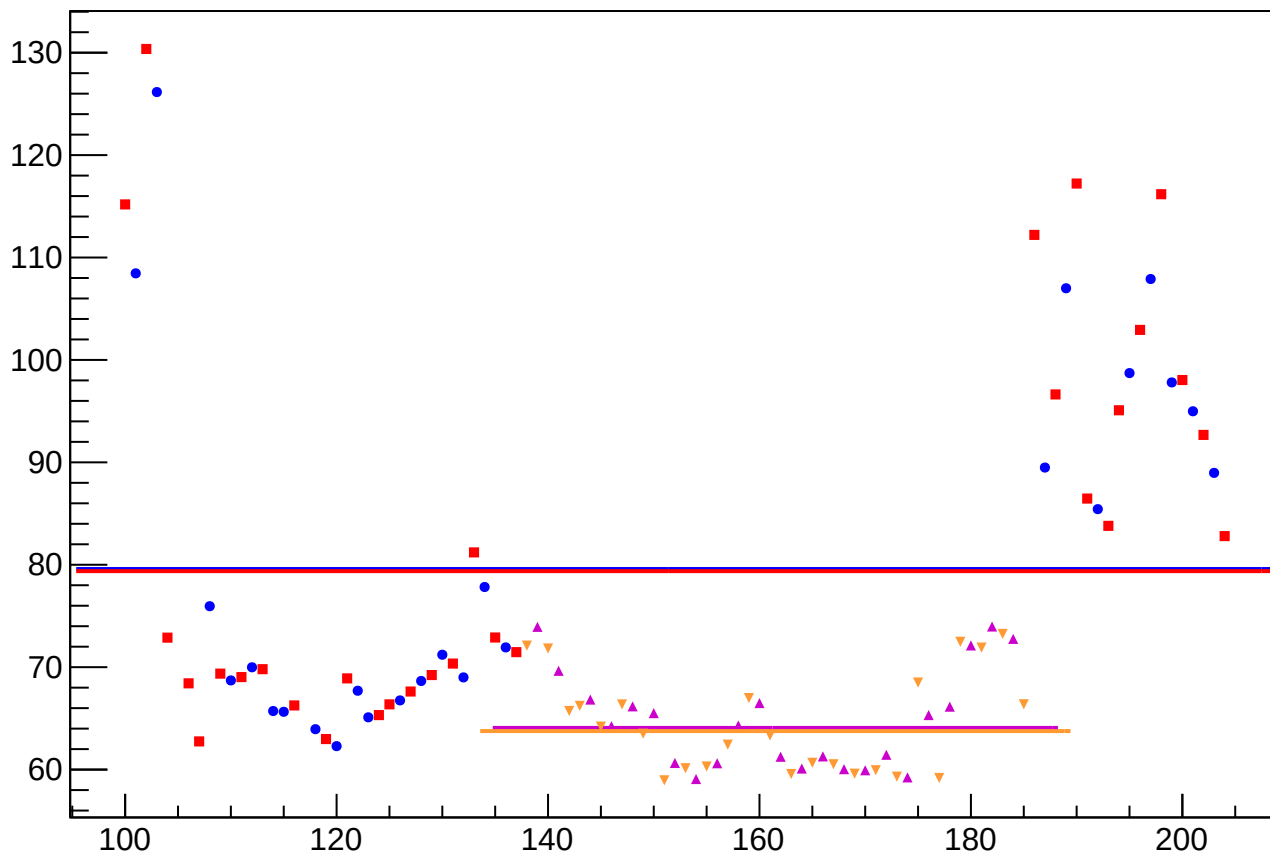
Left In: -96.704 ± 15.369 χ^2/NDF : 29.2/22

+ sign 47.613 ± 12.543 χ^2/NDF : 91.0/49

All: -0.676 ± 8.861 χ^2/NDF : 238.2/102

- sign -48.803 ± 12.521 χ^2/NDF : 117.7/52

reg_asym_sam7_rms vs Slug



Right In: 79.583+/-0.016 χ^2/NDF : 879660.1/24

Left Out: 63.761+/-0.011 χ^2/NDF : 192803.8/24

Right Out: 79.377+/-0.015 χ^2/NDF : 1091071.4/29

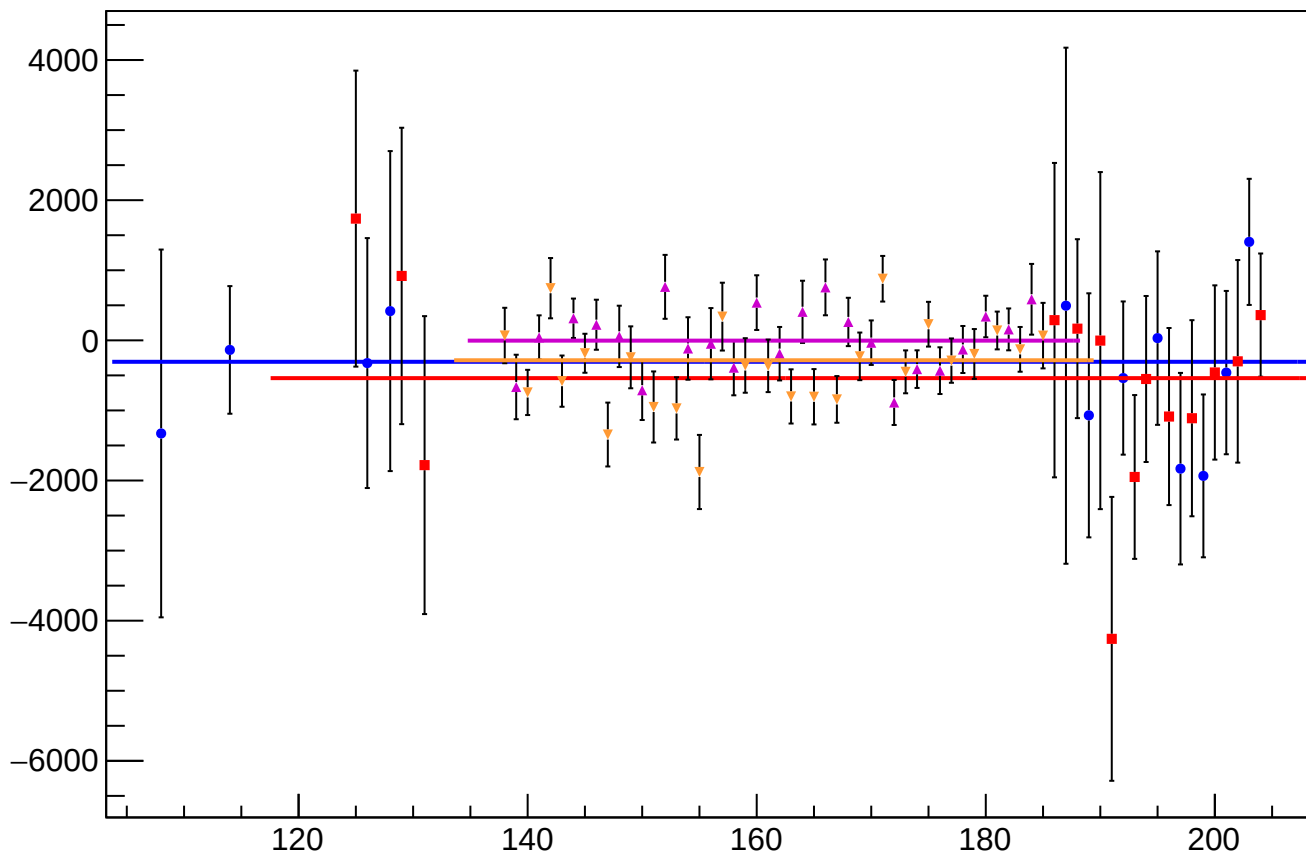
Left In: 64.069+/-0.011 χ^2/NDF : 164660.4/22

+ sign 68.341+/-0.009 χ^2/NDF : 1727020.8/49

All: 68.780+/-0.006 χ^2/NDF : 3654888.4/102

- sign 69.216+/-0.009 χ^2/NDF : 1922988.2/52

asym_sam7_correction_mean vs Slug



Right In: -305.993 ± 377.989 χ^2/NDF : 7.5/11

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -539.202 ± 380.677 χ^2/NDF : 8.7/13

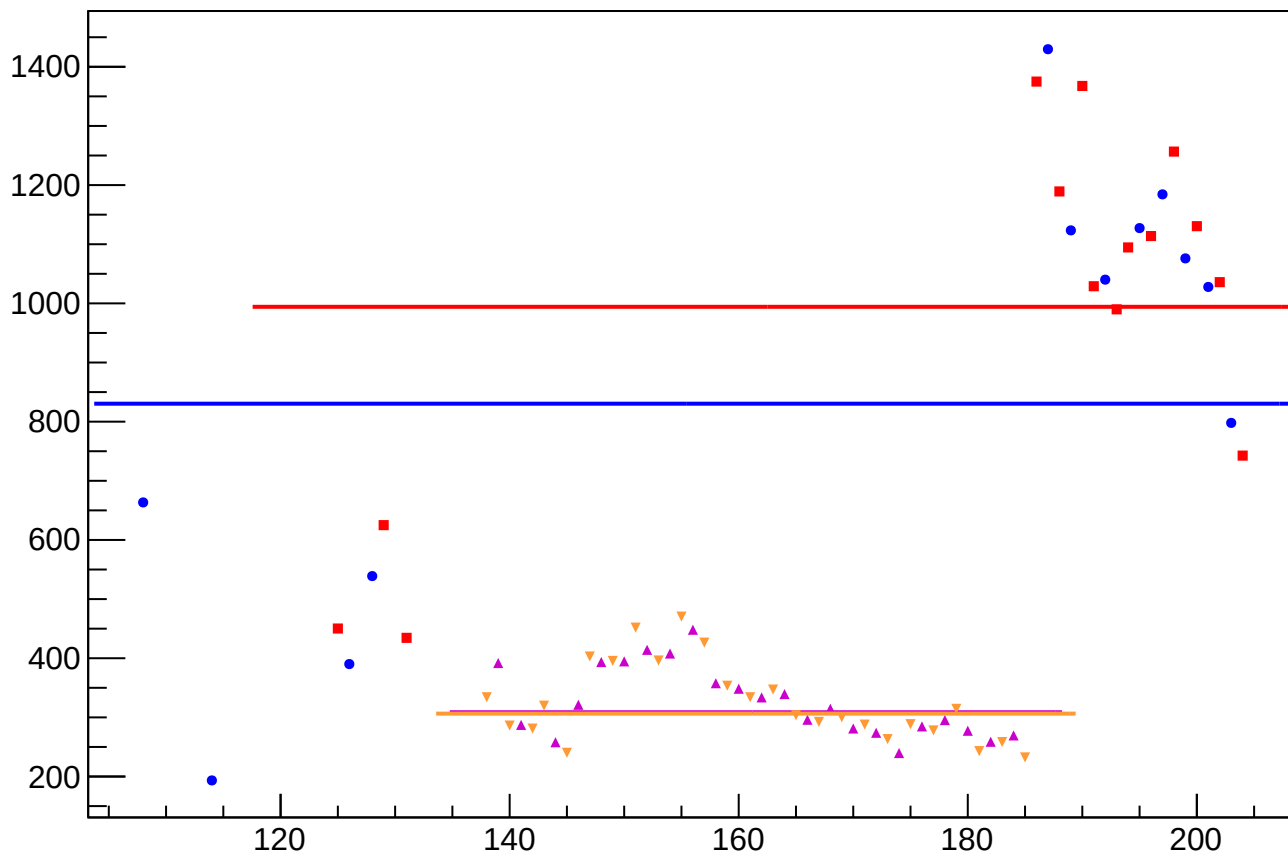
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -285.078 ± 71.422 χ^2/NDF : 62.5/36

All: -158.611 ± 51.278 χ^2/NDF : 112.0/73

- sign -24.077 ± 73.665 χ^2/NDF : 43.0/36

asym_sam7_correction_rms vs Slug



Right In: 830.391+/-0.267 χ^2/NDF : 1723319.3/11

Left Out: 306.363+/-0.051 χ^2/NDF : 1215669.9/24

Right Out: 994.203+/-0.269 χ^2/NDF : 777758.4/13

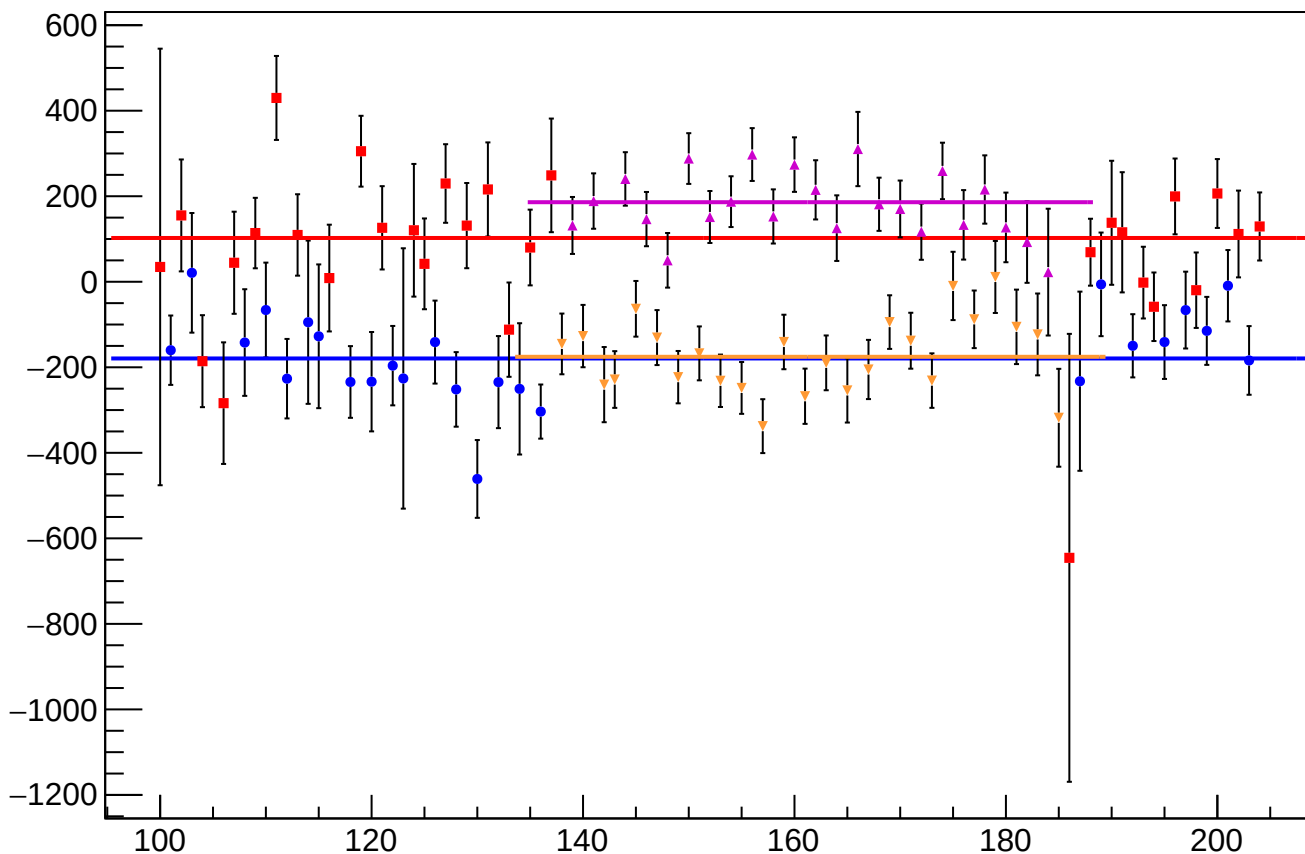
Left In: 308.727+/-0.053 χ^2/NDF : 1002947.4/22

+ sign 325.072+/-0.051 χ^2/NDF : 6645708.5/36

All: 329.590+/-0.036 χ^2/NDF : 14684973.0/73

- sign 334.395+/-0.052 χ^2/NDF : 8022752.5/36

reg_asym_sam8_mean vs Slug



Right In: -179.361 ± 19.624 $\chi^2/\text{NDF}: 28.1/24$

Left Out: -175.471 ± 13.846 $\chi^2/\text{NDF}: 34.6/24$

Right Out: 102.391 ± 18.661 $\chi^2/\text{NDF}: 54.0/29$

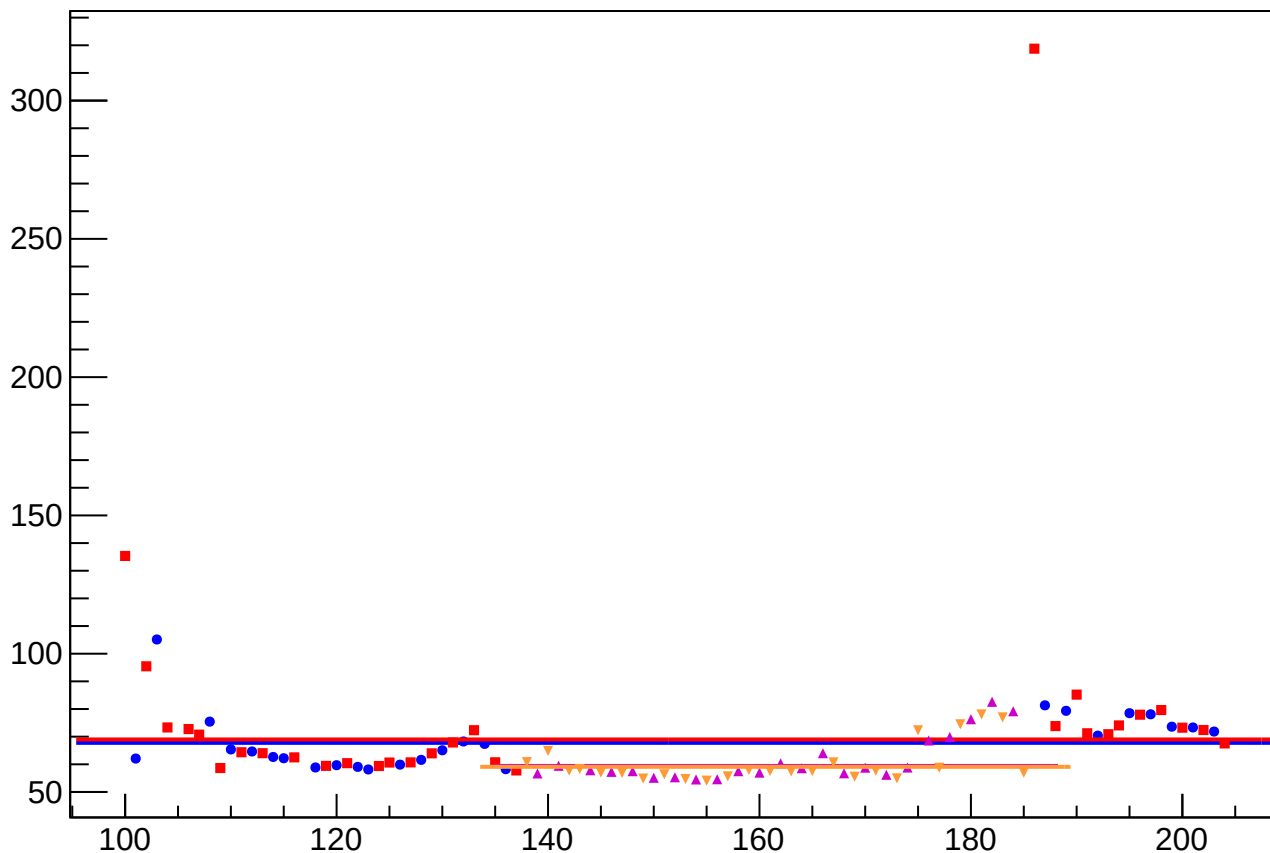
Left In: 186.047 ± 14.315 $\chi^2/\text{NDF}: 23.6/22$

+ sign -176.764 ± 11.313 $\chi^2/\text{NDF}: 62.8/49$

All: -11.514 ± 8.015 $\chi^2/\text{NDF}: 581.4/102$

- sign 155.055 ± 11.358 $\chi^2/\text{NDF}: 90.2/52$

reg_asym_sam8_rms vs Slug



Right In: 67.767 $\pm$ 0.014 χ^2 /NDF: 400293.3/24

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 68.991 $\pm$ 0.013 χ^2 /NDF: 839531.3/29

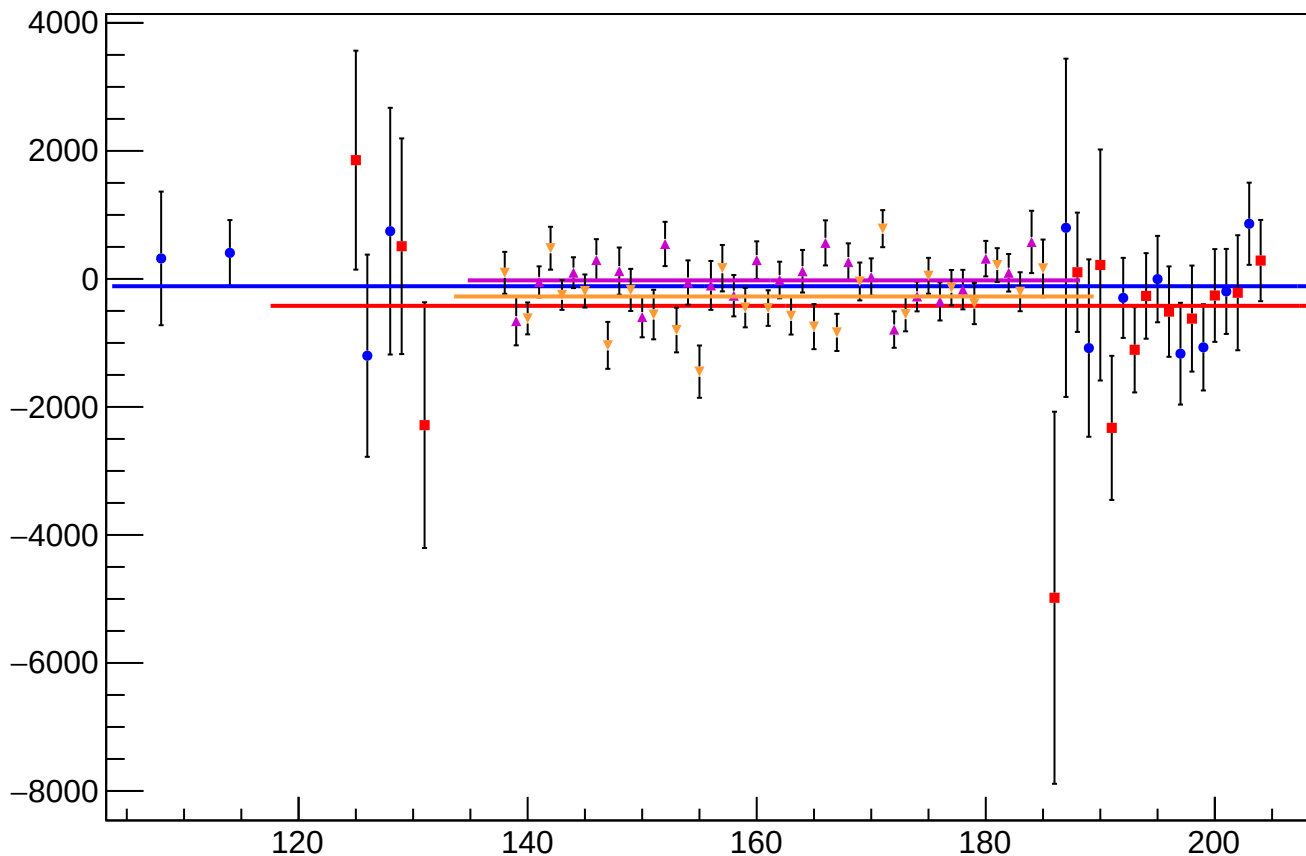
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 61.980 $\pm$ 0.008 χ^2 /NDF: 1030560.8/49

All: 62.468 $\pm$ 0.006 χ^2 /NDF: 2582495.2/102

- sign 62.960 $\pm$ 0.008 χ^2 /NDF: 1544463.9/52

asym_sam8_correction_mean vs Slug



Right In: -114.170 ± 227.676 χ^2/NDF : 8.7/11

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -420.655 ± 243.187 χ^2/NDF : 11.3/13

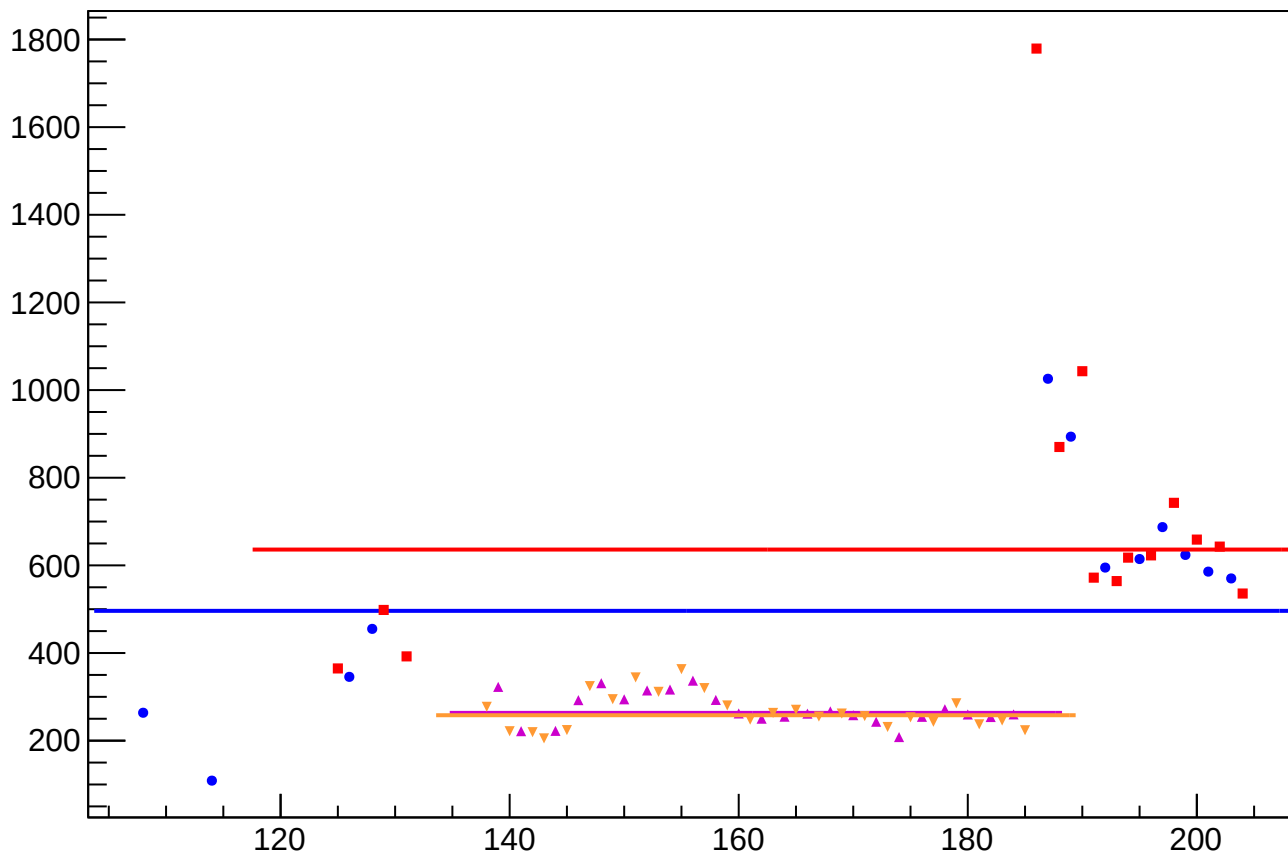
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -263.446 ± 58.741 χ^2/NDF : 63.1/36

All: -160.854 ± 42.501 χ^2/NDF : 112.2/73

- sign -48.144 ± 61.570 χ^2/NDF : 42.7/36

asym_sam8_correction_rms vs Slug



Right In: 496.216+/-0.161 χ^2/NDF : 1868409.0/11

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 636.081+/-0.172 χ^2/NDF : 750359.7/13

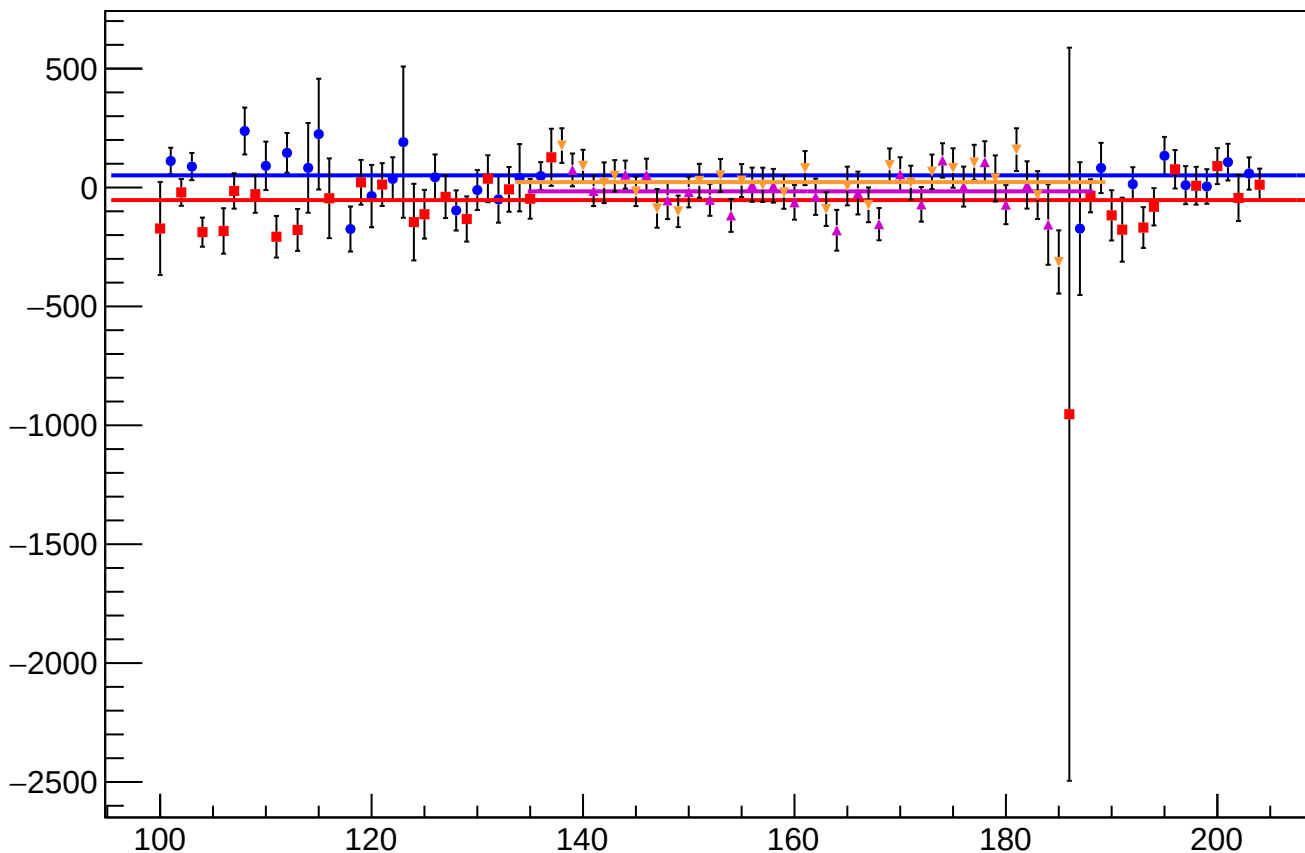
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 273.894+/-0.042 χ^2/NDF : 4636265.5/36

All: 280.275+/-0.030 χ^2/NDF : 10417792.3/73

- sign 287.285+/-0.044 χ^2/NDF : 5731999.7/36

reg_asym_sam_15_avg_mean vs Slug



Right In: 51.151 ± 17.295 χ^2/NDF : 21.5/24

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -52.988 ± 16.107 χ^2/NDF : 30.0/29

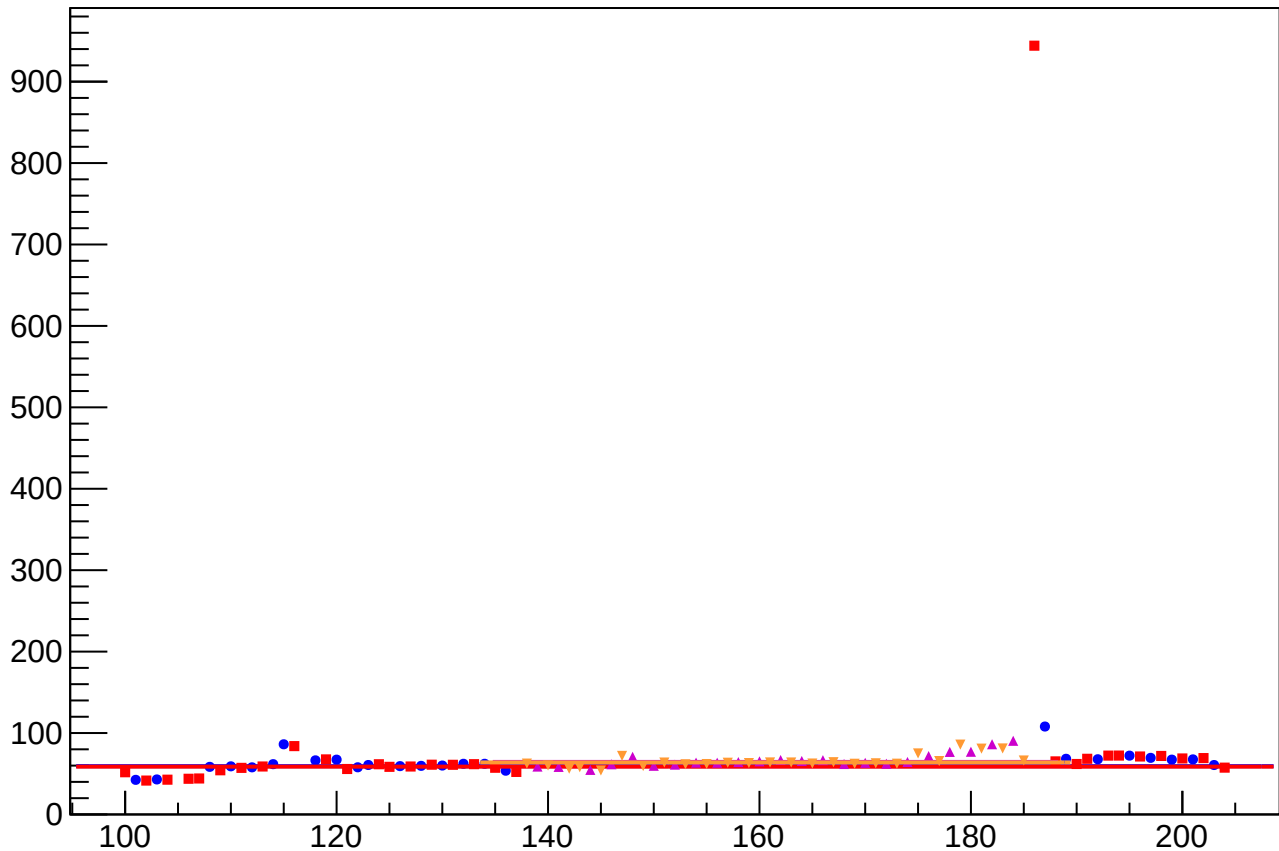
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 34.981 ± 11.318 χ^2/NDF : 52.0/49

All: 0.107 ± 7.954 χ^2/NDF : 126.8/102

- sign -33.923 ± 11.180 χ^2/NDF : 56.0/52

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.287 $\pm$ 0.012 χ^2 /NDF: 650862.5/24

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 58.728 $\pm$ 0.011 χ^2 /NDF: 1493814.3/29

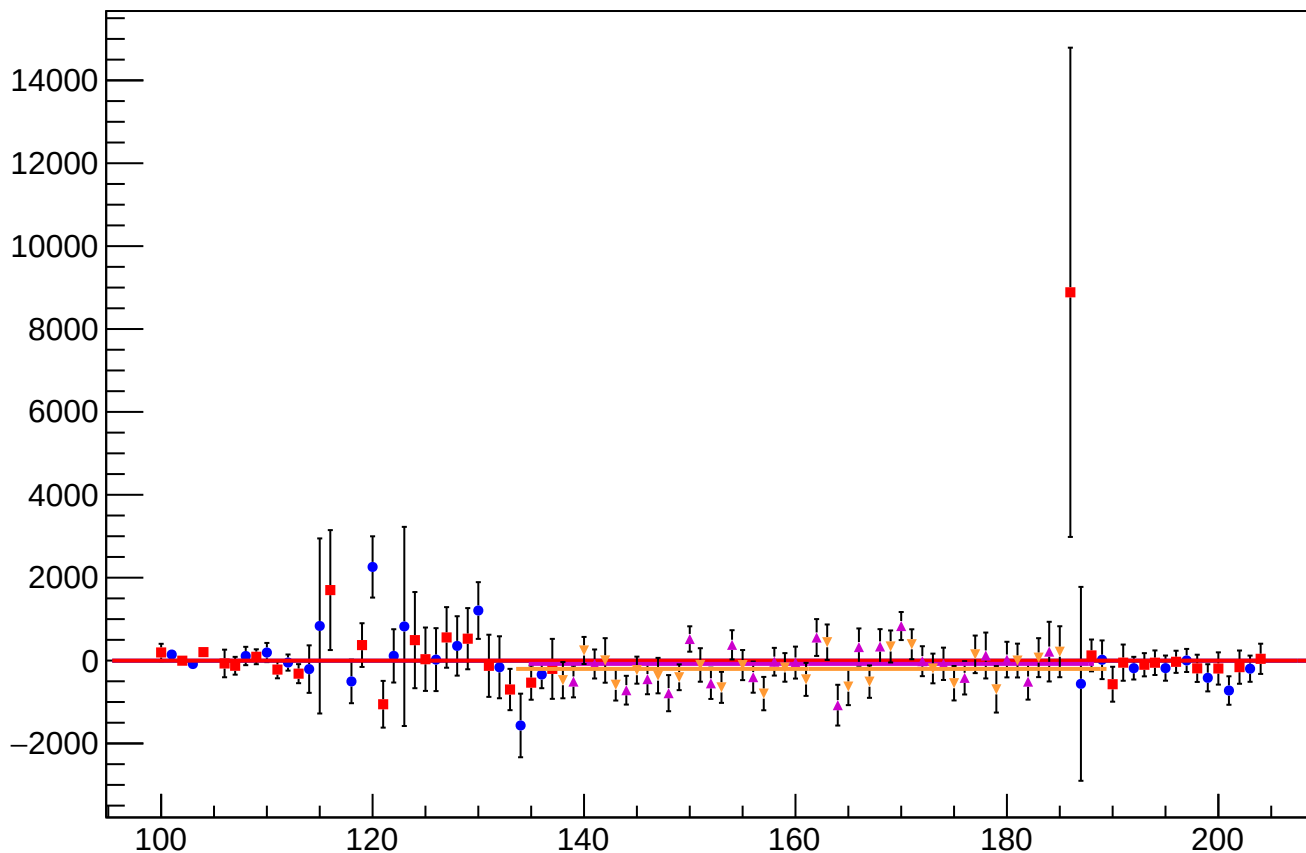
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.936 $\pm$ 0.008 χ^2 /NDF: 1128335.9/49

All: 61.829 $\pm$ 0.006 χ^2 /NDF: 3126618.2/102

- sign 61.725 $\pm$ 0.008 χ^2 /NDF: 1997929.9/52

asym_sam_15_avg_correction_mean vs Slug



Right In: -3.794 ± 47.361 χ^2/NDF : 31.7/24

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -1.832 ± 47.804 χ^2/NDF : 24.1/29

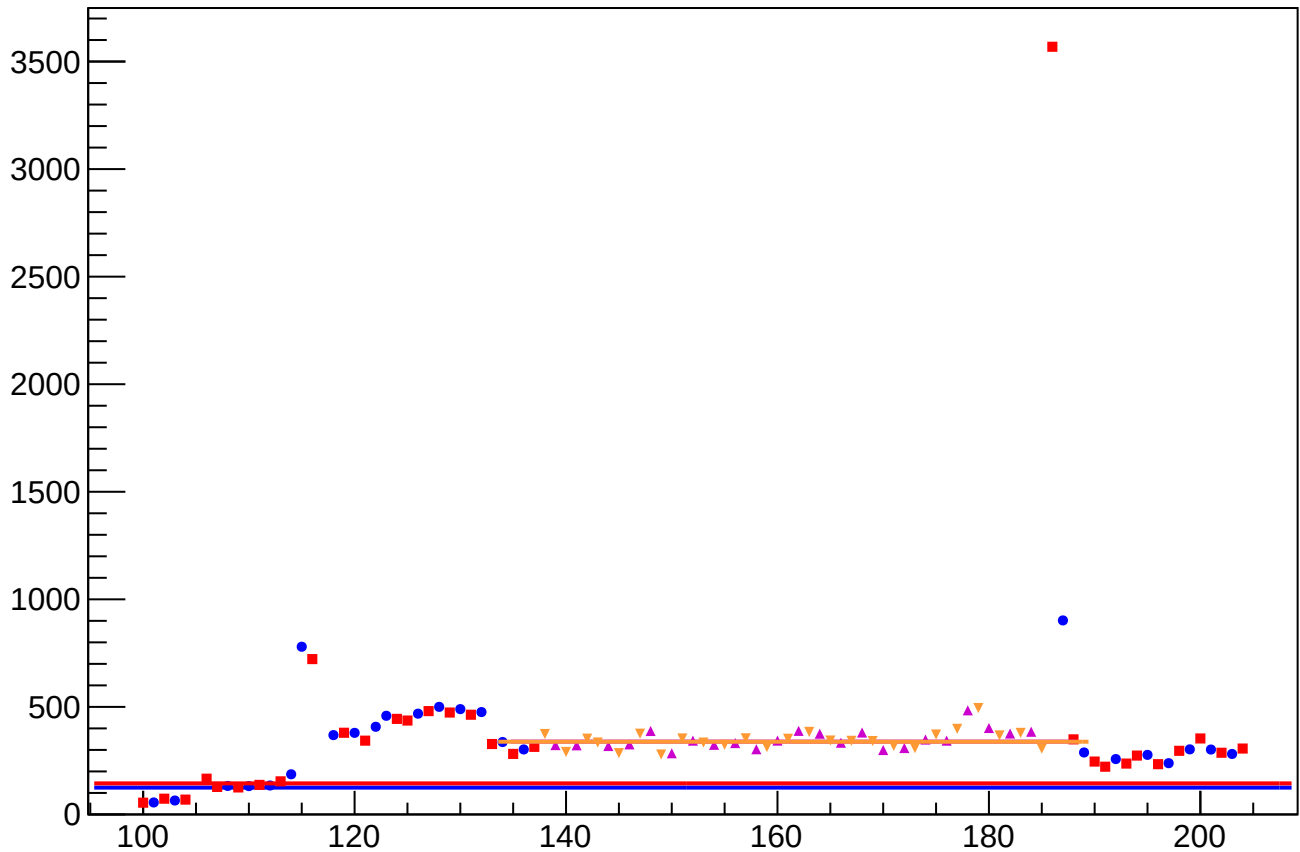
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -55.425 ± 40.695 χ^2/NDF : 55.9/49

All: -38.817 ± 28.977 χ^2/NDF : 114.4/102

- sign -21.735 ± 41.271 χ^2/NDF : 58.2/52

asym_sam_15_avg_correction_rms vs Slug



Right In: 124.814 $\pm$ 0.033 χ^2 /NDF: 9766403.2/24

Left Out: 338.130 $\pm$ 0.056 χ^2 /NDF: 498601.7/24

Right Out: 144.454 $\pm$ 0.034 χ^2 /NDF: 9621651.7/29

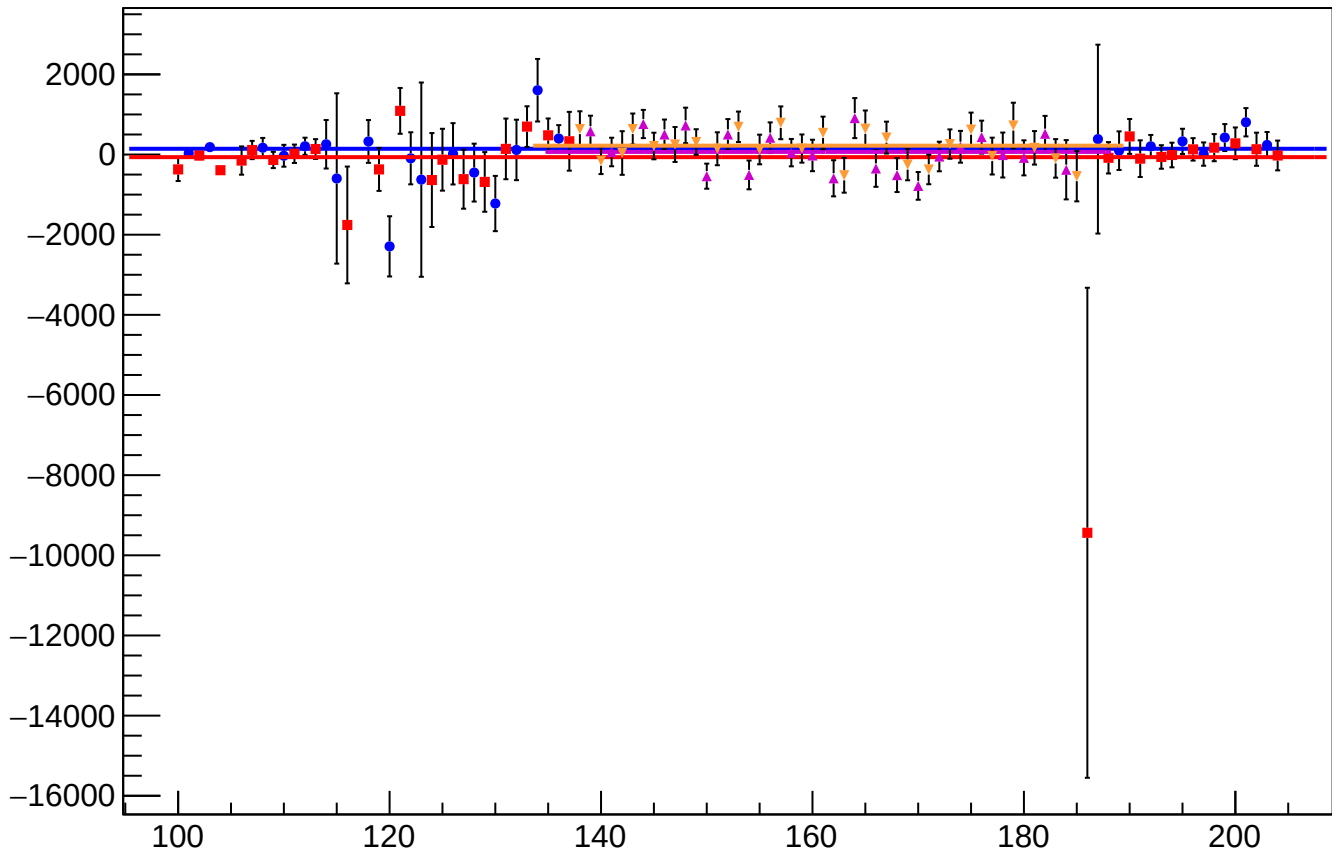
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 180.639 $\pm$ 0.029 χ^2 /NDF: 20882988.4/49

All: 187.170 $\pm$ 0.020 χ^2 /NDF: 39444268.3/10

- sign 193.888 $\pm$ 0.029 χ^2 /NDF: 18456783.2/52

asym_sam_15_avg_mean vs Slug



Right In: 143.989 $\pm$ 56.276 χ^2 /NDF: 26.3/24

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -64.989 $\pm$ 53.487 χ^2 /NDF: 27.4/29

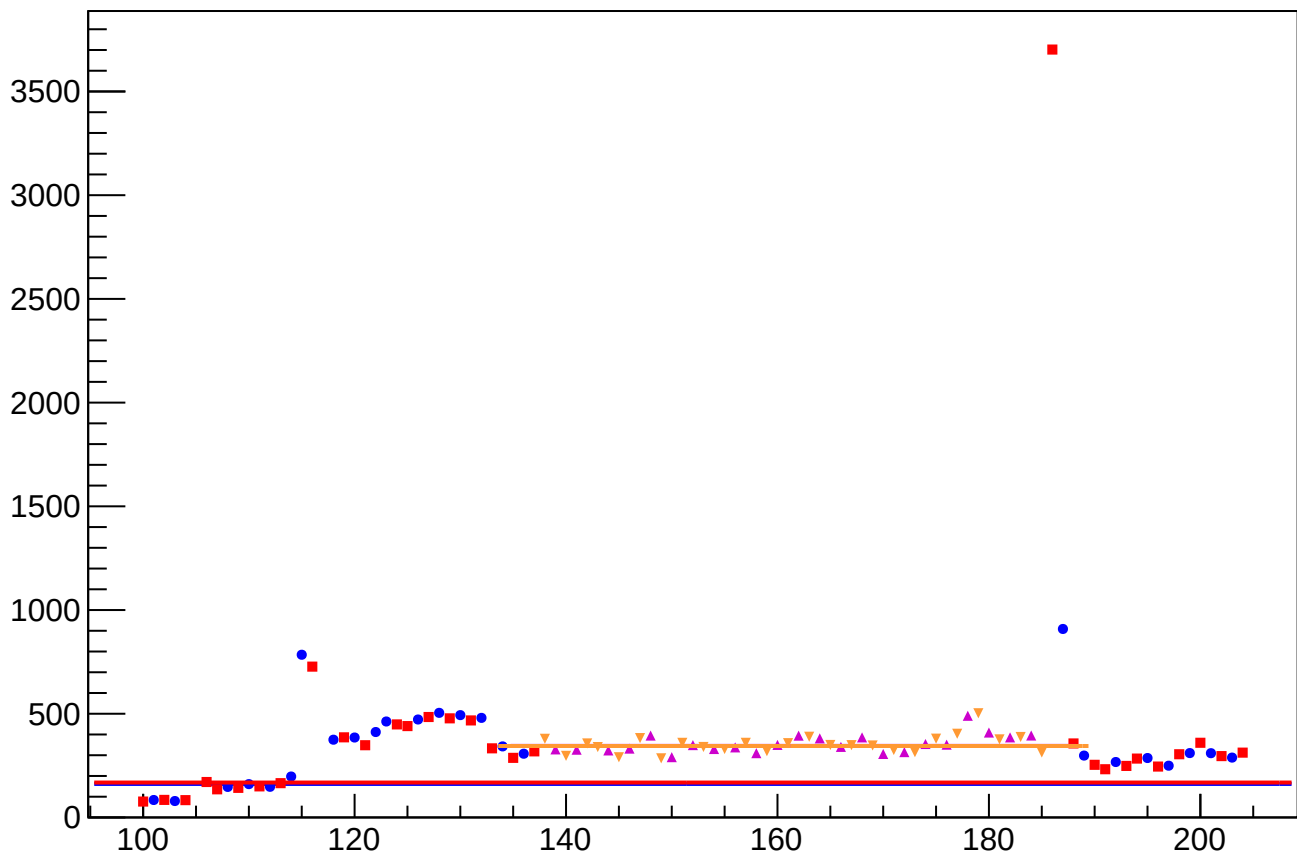
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 169.080 $\pm$ 46.220 χ^2 /NDF: 46.6/49

All: 68.490 $\pm$ 32.246 χ^2 /NDF: 119.0/102

- sign -26.905 $\pm$ 45.011 χ^2 /NDF: 63.1/52

asym_sam_15_avg_rms vs Slug



Right In: 161.570+/-0.040 χ^2/NDF : 7470154.5/24

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 168.330+/-0.038 χ^2/NDF : 8120933.2/29

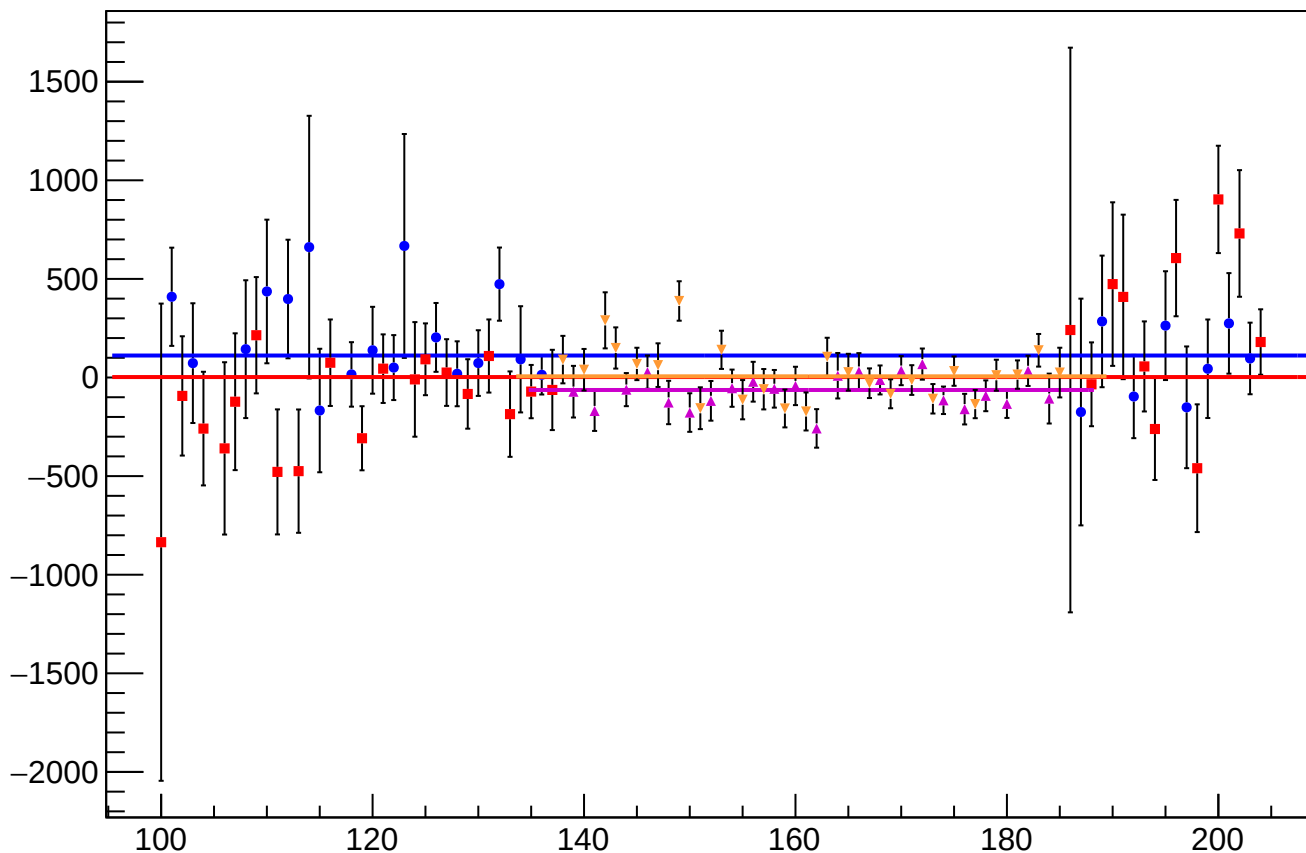
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 221.108+/-0.033 χ^2/NDF : 14836596.9/49

All: 220.488+/-0.023 χ^2/NDF : 29756431.3/10

- sign 219.900+/-0.032 χ^2/NDF : 14919134.0/52

reg_asym_sam_26_avg_mean vs Slug



Right In: 111.481 ± 43.317 $\chi^2/\text{NDF}: 14.5/24$

Left Out: 6.020 ± 17.910 $\chi^2/\text{NDF}: 46.0/24$

Right Out: 2.301 ± 42.715 $\chi^2/\text{NDF}: 40.0/29$

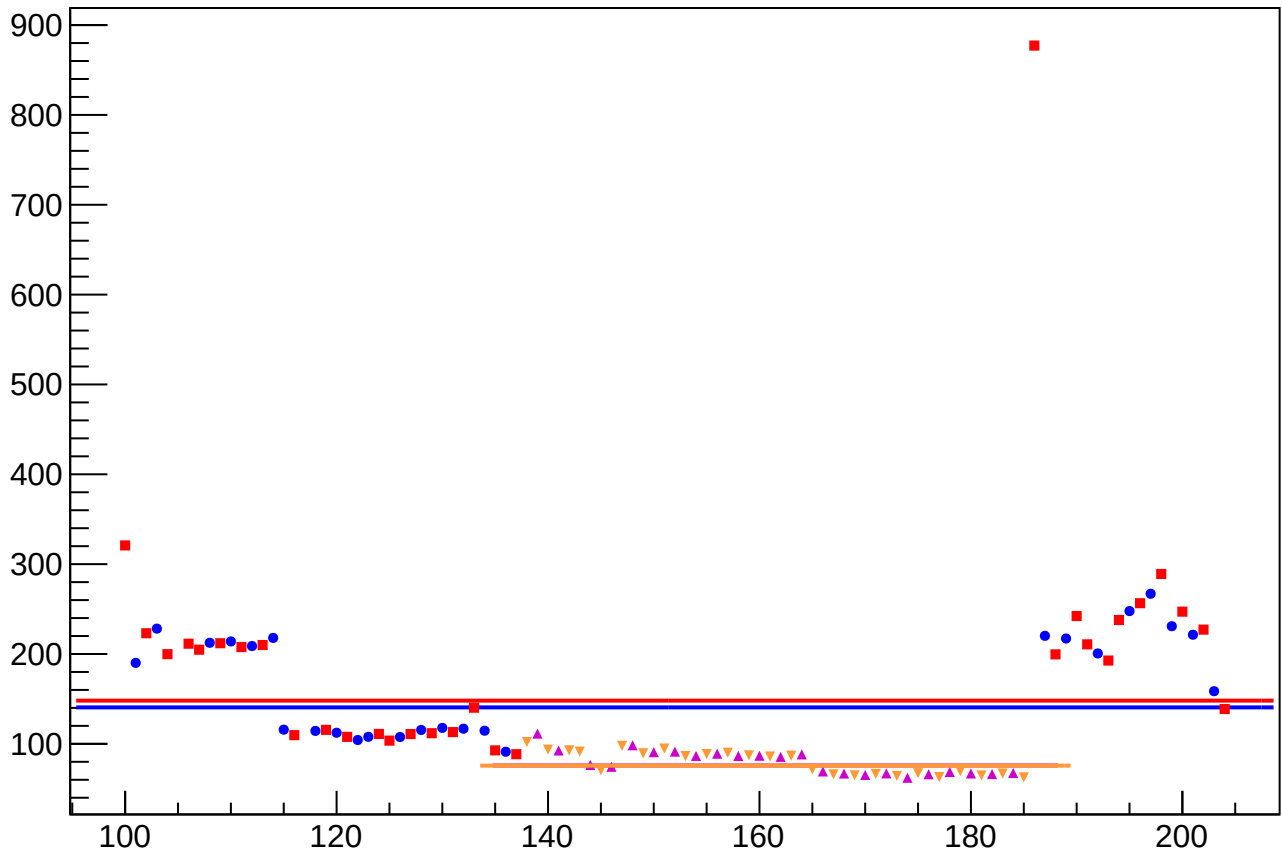
Left In: -63.279 ± 18.447 $\chi^2/\text{NDF}: 19.8/22$

+ sign 21.417 ± 16.551 $\chi^2/\text{NDF}: 65.6/49$

All: -14.925 ± 11.837 $\chi^2/\text{NDF}: 137.3/102$

- sign -52.971 ± 16.935 $\chi^2/\text{NDF}: 61.8/52$

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.558 $\pm$ 0.031 χ^2 /NDF: 2864014.3/24

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 148.097 $\pm$ 0.030 χ^2 /NDF: 3874053.2/29

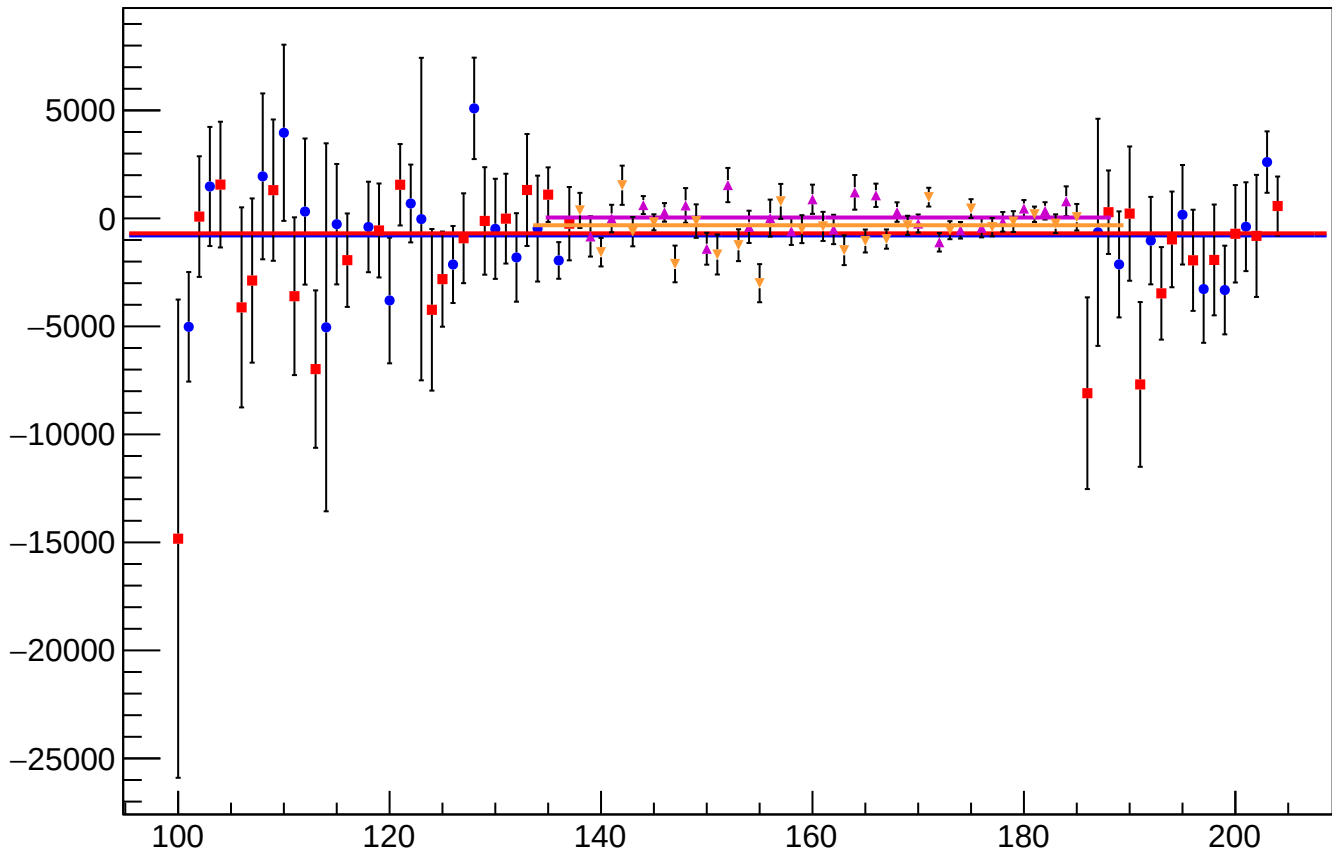
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 85.205 $\pm$ 0.012 χ^2 /NDF: 7626050.3/49

All: 86.207 $\pm$ 0.008 χ^2 /NDF: 17160673.4/102

- sign 87.256 $\pm$ 0.012 χ^2 /NDF: 9519627.6/52

asym_sam_26_avg_correction_mean vs Slug



Right In: -789.422 ± 424.173 χ^2/NDF : 25.2/24

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -693.101 ± 428.345 χ^2/NDF : 23.2/29

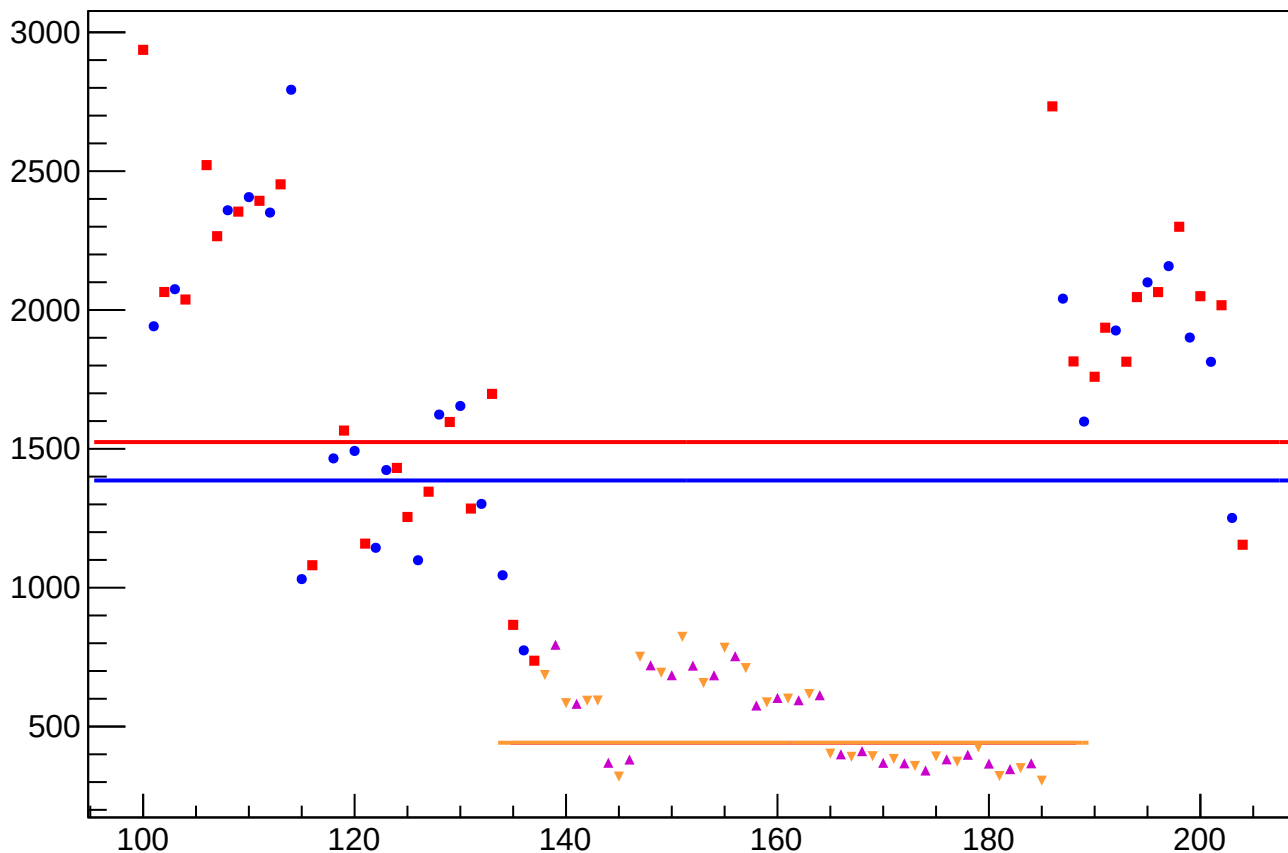
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -346.768 ± 104.673 χ^2/NDF : 76.4/49

All: -179.329 ± 74.746 χ^2/NDF : 142.3/102

- sign -5.107 ± 106.772 χ^2/NDF : 60.6/52

asym_sam_26_avg_correction_rms vs Slug



Right In: 1386.139+/-0.300 χ^2/NDF : 2750332.5/24

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

Right Out: 1524.401+/-0.303 χ^2/NDF : 2907862.9/29

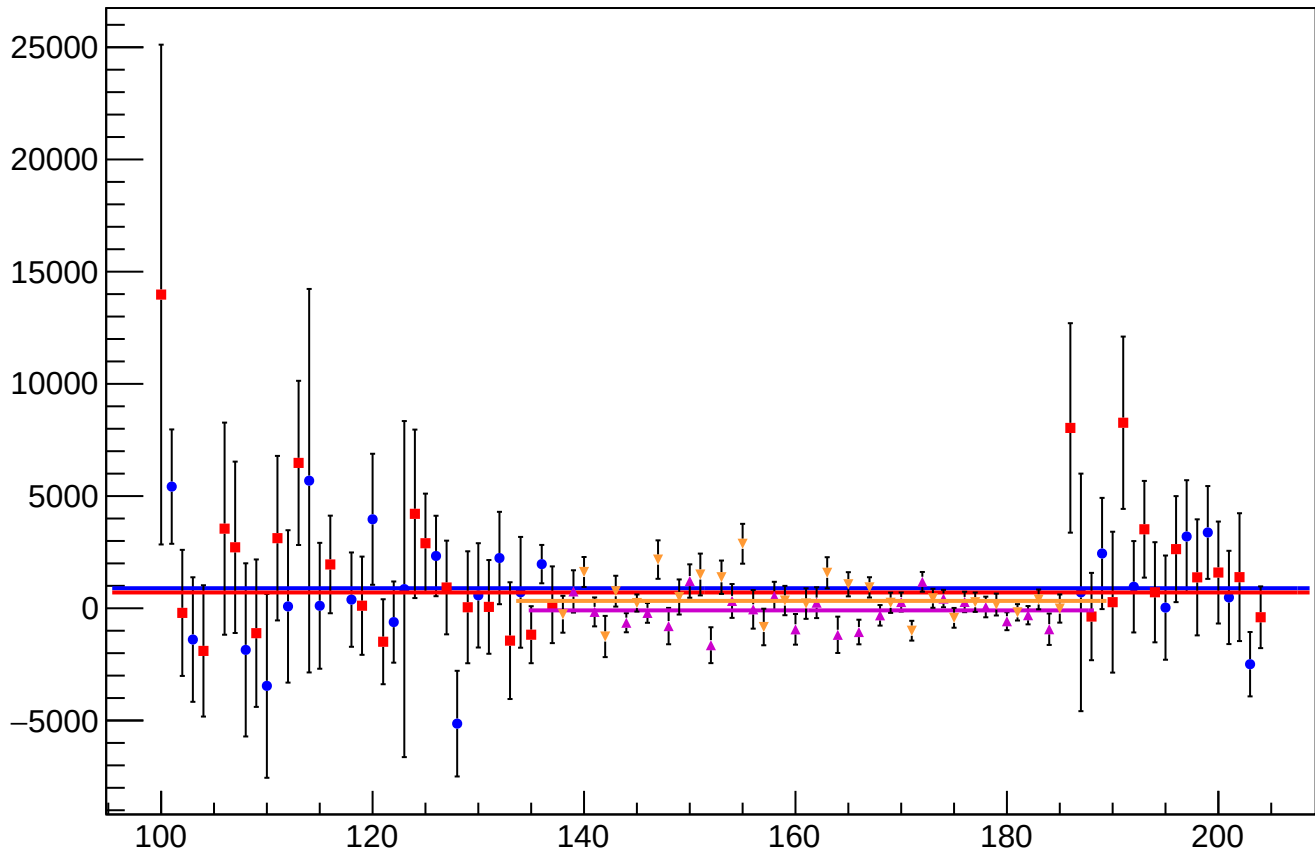
Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

+ sign 499.198+/-0.074 χ^2/NDF : 15230994.2/49

All: 503.670+/-0.053 χ^2/NDF : 32742604.3/10

- sign 508.324+/-0.075 χ^2/NDF : 17504158.8/52

asym_sam_26_avg_mean vs Slug



Right In: 893.965 $\pm$ 426.931 χ^2/NDF : 25.5/24

Left Out: 328.599 $\pm$ 109.668 χ^2/NDF : 47.7/24

Right Out: 704.706 $\pm$ 431.121 χ^2/NDF : 22.9/29

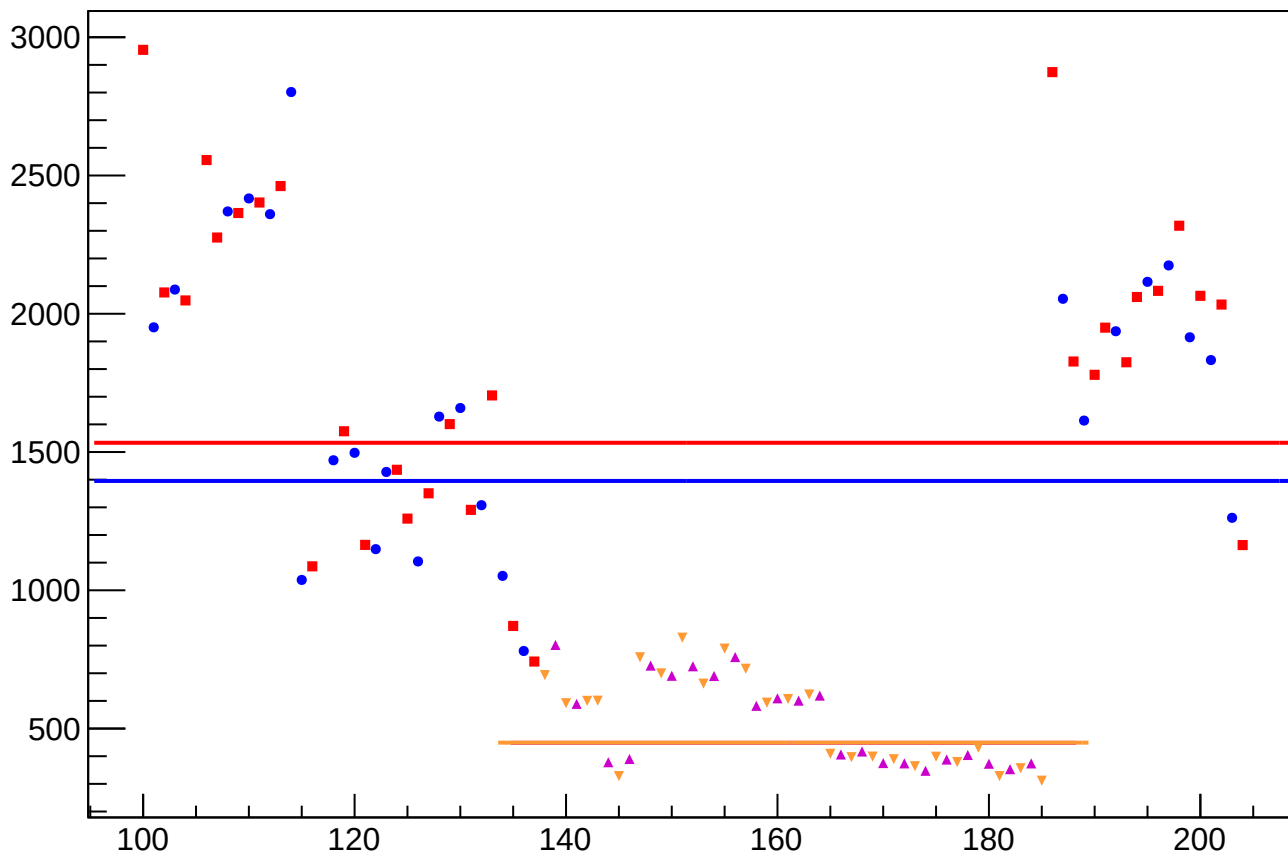
Left In: -93.310 $\pm$ 111.960 χ^2/NDF : 33.3/22

+ sign 363.595 $\pm$ 106.220 χ^2/NDF : 74.8/49

All: 164.416 $\pm$ 75.856 χ^2/NDF : 141.5/102

- sign -42.892 $\pm$ 108.365 χ^2/NDF : 59.5/52

asym_sam_26_avg_rms vs Slug



Right In: 1395.426 $\pm$ 0.302 χ^2 /NDF: 2742436.5/24

Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF: 3090476.2/24

Right Out: 1533.457 $\pm$ 0.305 χ^2 /NDF: 2927750.4/29

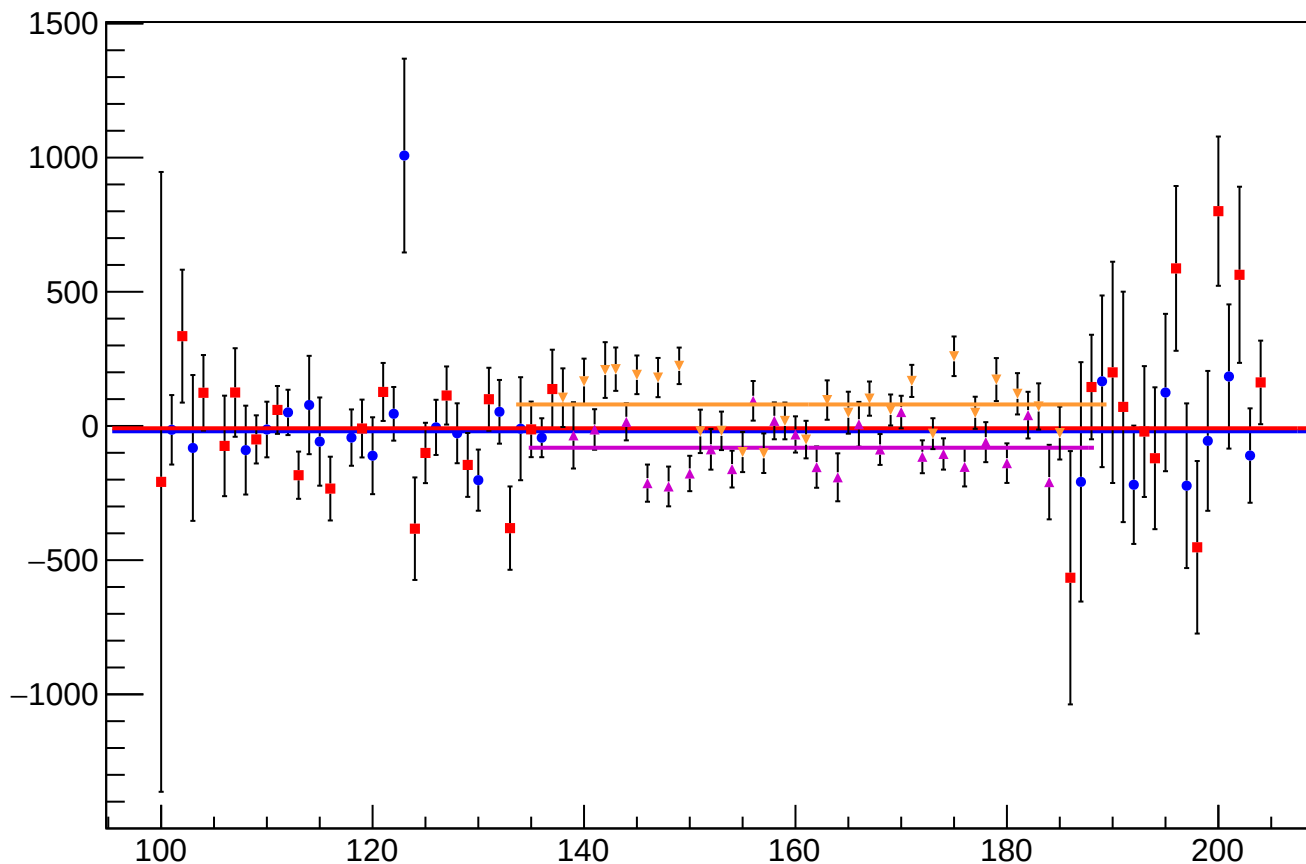
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF: 2537376.0/22

+ sign 507.600 $\pm$ 0.075 χ^2 /NDF: 15052735.1/49

All: 512.141 $\pm$ 0.054 χ^2 /NDF: 32395758.6/10

- sign 516.867 $\pm$ 0.077 χ^2 /NDF: 17335564.1/52

reg_asym_sam_37_avg_mean vs Slug



Right In: -19.817 ± 27.573 $\chi^2/\text{NDF}: 16.2/24$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -8.619 ± 26.462 $\chi^2/\text{NDF}: 49.0/29$

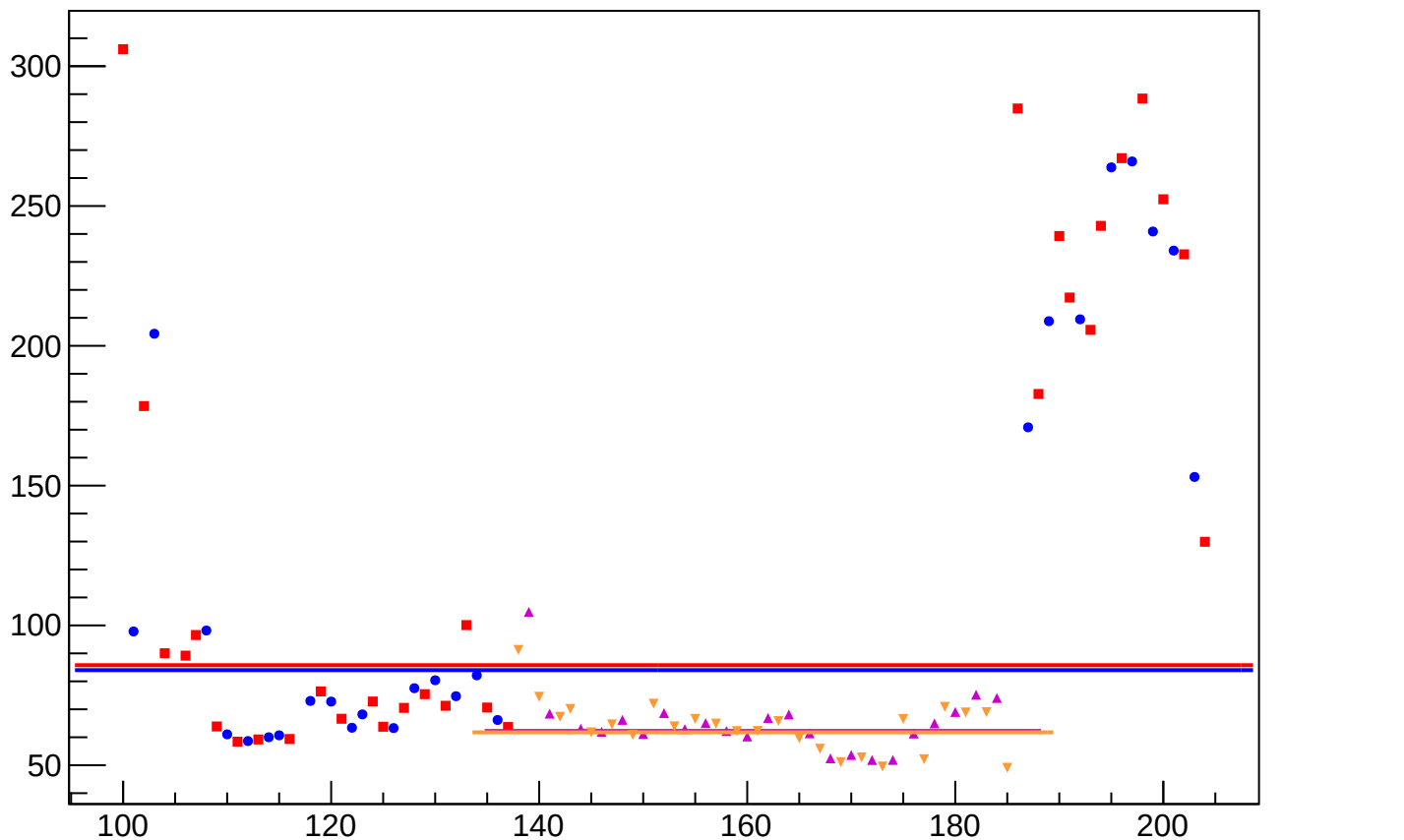
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 58.294 ± 12.897 $\chi^2/\text{NDF}: 75.0/49$

All: -1.484 ± 9.197 $\chi^2/\text{NDF}: 208.7/102$

- sign -63.329 ± 13.119 $\chi^2/\text{NDF}: 90.0/52$

reg_asym_sam_37_avg_rms vs Slug



Right In: 84.004 $\pm$ 0.019 χ^2 /NDF: 5269819.2/24

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 85.775 $\pm$ 0.019 χ^2 /NDF: 6586874.1/29

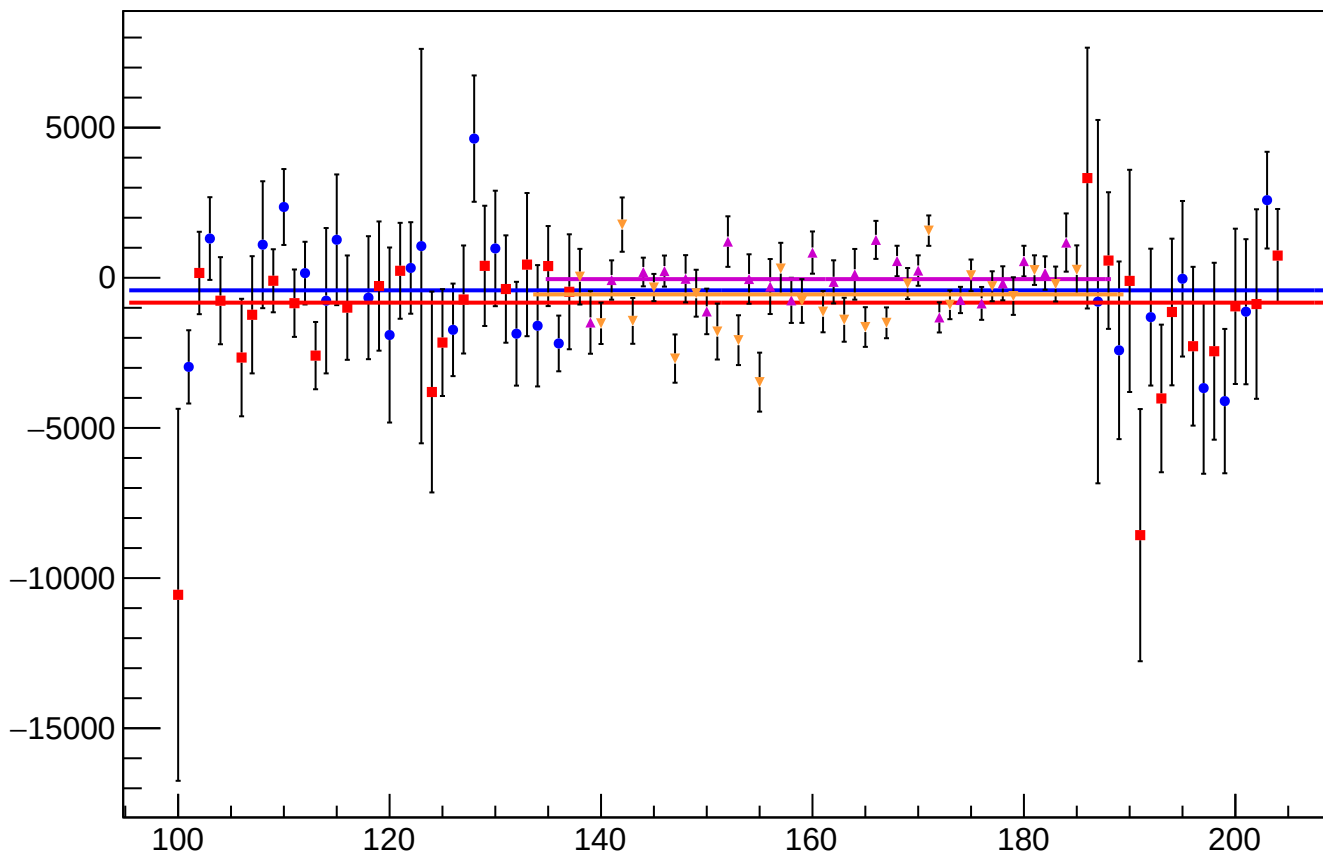
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 66.628 $\pm$ 0.009 χ^2 /NDF: 6932117.6/49

All: 67.318 $\pm$ 0.007 χ^2 /NDF: 15313912.0/102

- sign 68.032 $\pm$ 0.009 χ^2 /NDF: 8370148.6/52

asym_sam_37_avg_correction_mean vs Slug



Right In: -417.808 $\pm$ 350.193 χ^2/NDF : 32.3/24

Left Out: -552.511 $\pm$ 126.981 χ^2/NDF : 65.3/24

Right Out: -827.943 $\pm$ 334.904 χ^2/NDF : 18.4/29

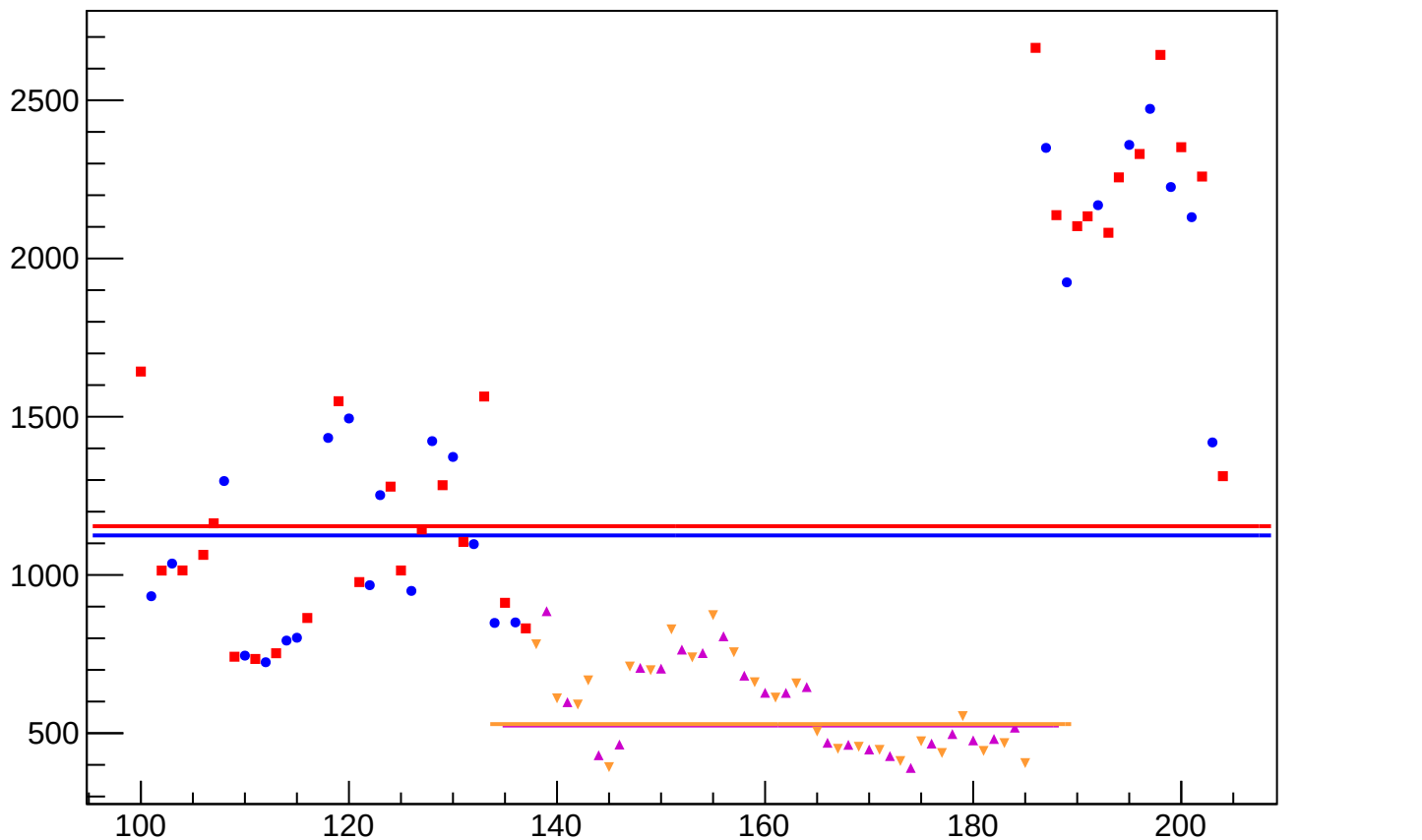
Left In: -44.578 $\pm$ 129.095 χ^2/NDF : 29.6/22

+ sign -536.858 $\pm$ 119.375 χ^2/NDF : 97.7/49

All: -343.148 $\pm$ 84.790 χ^2/NDF : 155.7/102

- sign -145.917 $\pm$ 120.455 χ^2/NDF : 52.7/52

asym_sam_37_avg_correction_rms vs Slug



Right In: 1124.956 $\pm$ 0.248 χ^2 /NDF: 3421434.1/24

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

Right Out: 1154.124 $\pm$ 0.237 χ^2 /NDF: 4405537.6/29

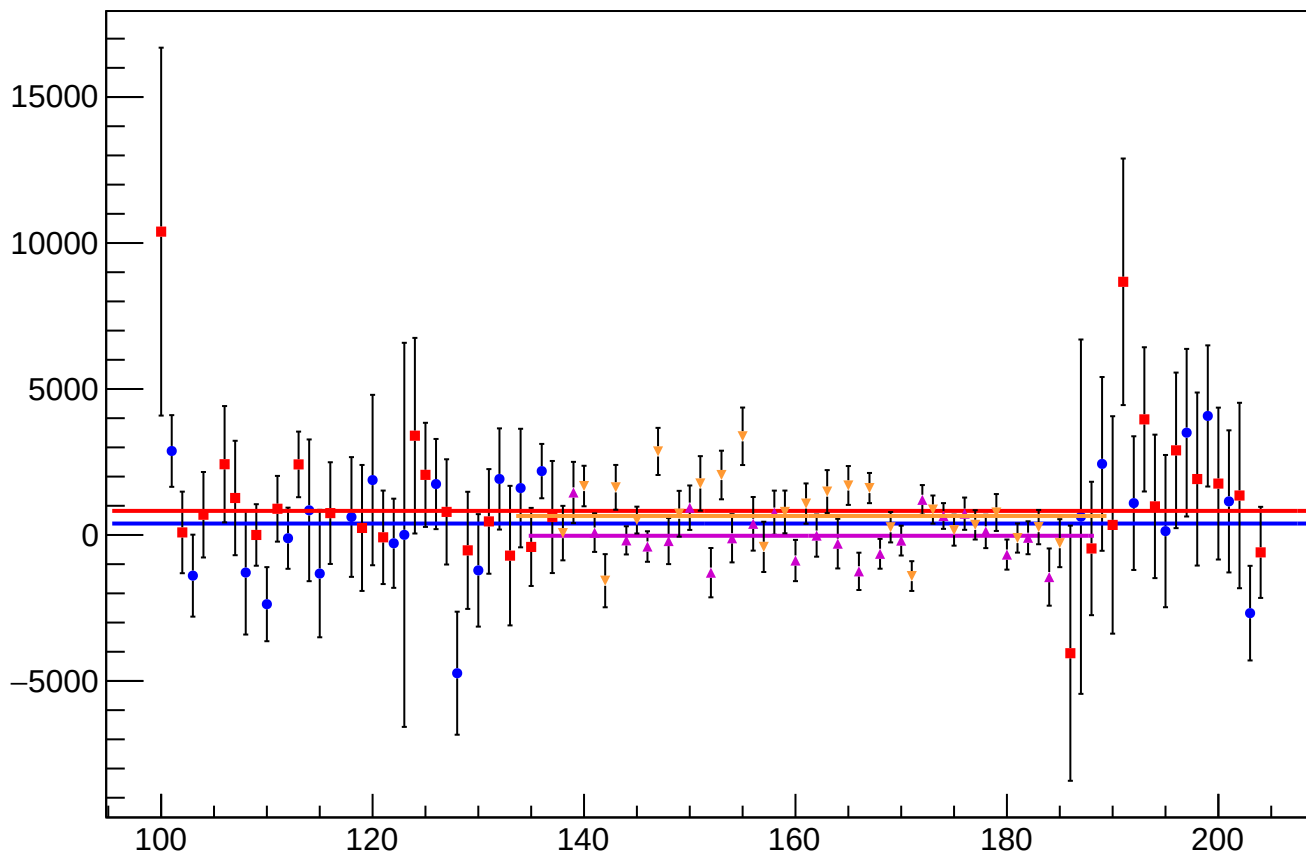
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 598.018 $\pm$ 0.084 χ^2 /NDF: 10528792.3/49

All: 601.848 $\pm$ 0.060 χ^2 /NDF: 22813710.0/10

- sign 605.748 $\pm$ 0.085 χ^2 /NDF: 12280761.8/52

asym_sam_37_avg_mean vs Slug



Right In: 391.564 ± 351.877 χ^2/NDF : 32.4/24

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 824.996 ± 336.637 χ^2/NDF : 17.5/29

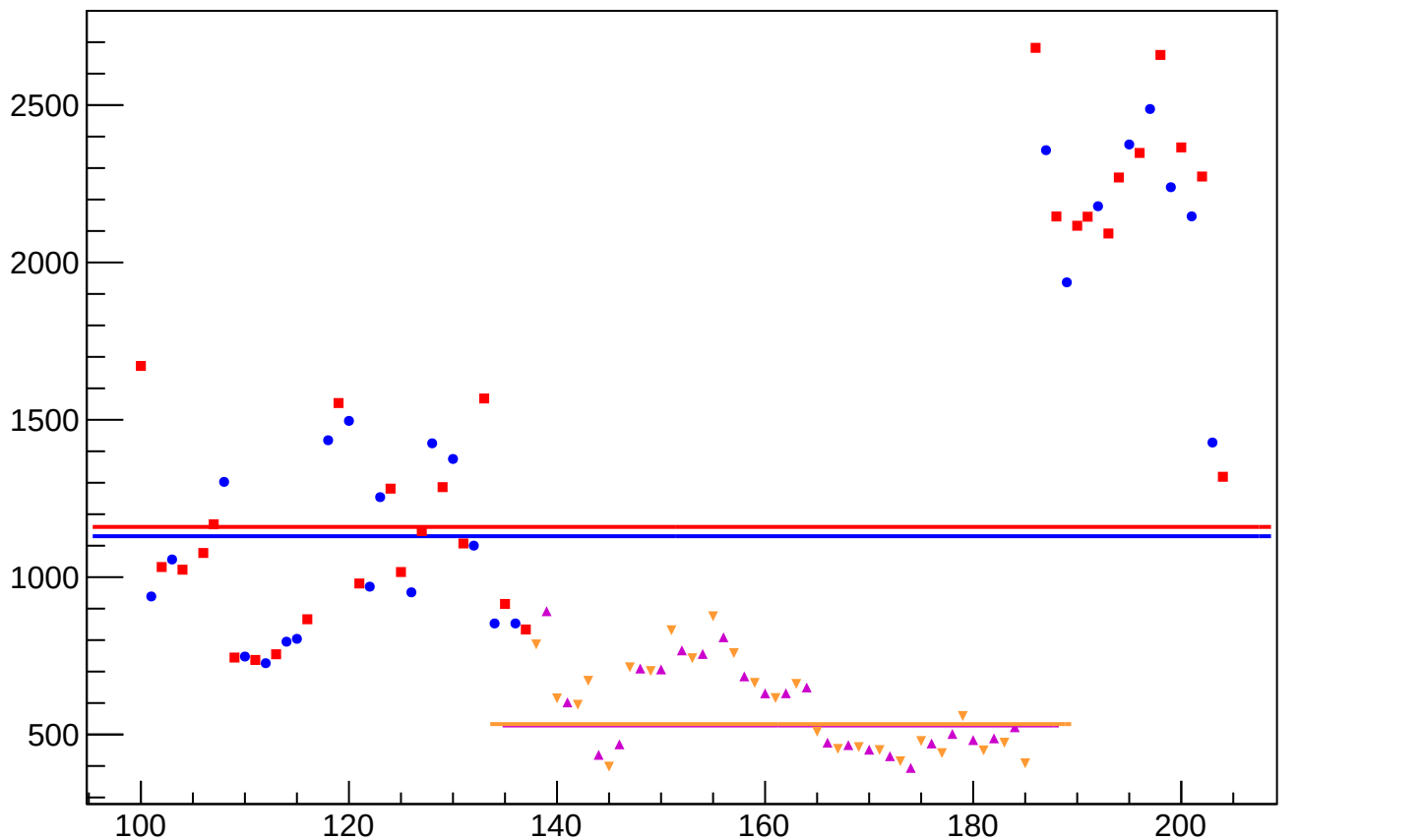
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 621.193 ± 120.256 χ^2/NDF : 94.0/49

All: 354.753 ± 85.427 χ^2/NDF : 155.5/102

- sign 83.336 ± 121.374 χ^2/NDF : 51.6/52

asym_sam_37_avg_rms vs Slug



Right In: 1130.151 $\pm$ 0.249 χ^2 /NDF: 3429452.0/24

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 1159.664 $\pm$ 0.238 χ^2 /NDF: 4415866.4/29

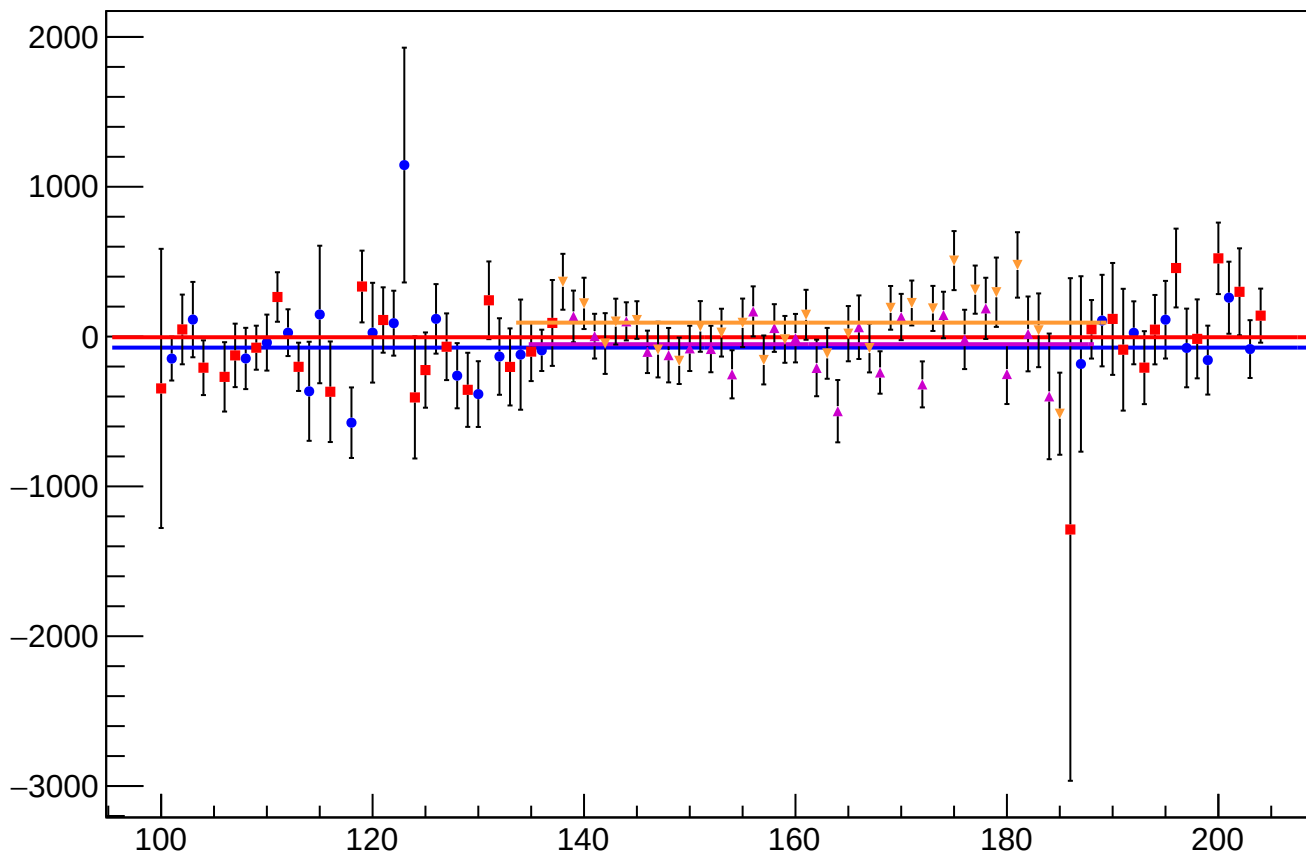
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 602.799 $\pm$ 0.085 χ^2 /NDF: 10467149.1/49

All: 606.722 $\pm$ 0.060 χ^2 /NDF: 22688696.9/10

- sign 610.718 $\pm$ 0.086 χ^2 /NDF: 12217252.0/52

reg_asym_sam_48_avg_mean vs Slug



Right In: -73.632 ± 45.435 χ^2/NDF : 16.7/24

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: -4.433 ± 42.644 χ^2/NDF : 27.8/29

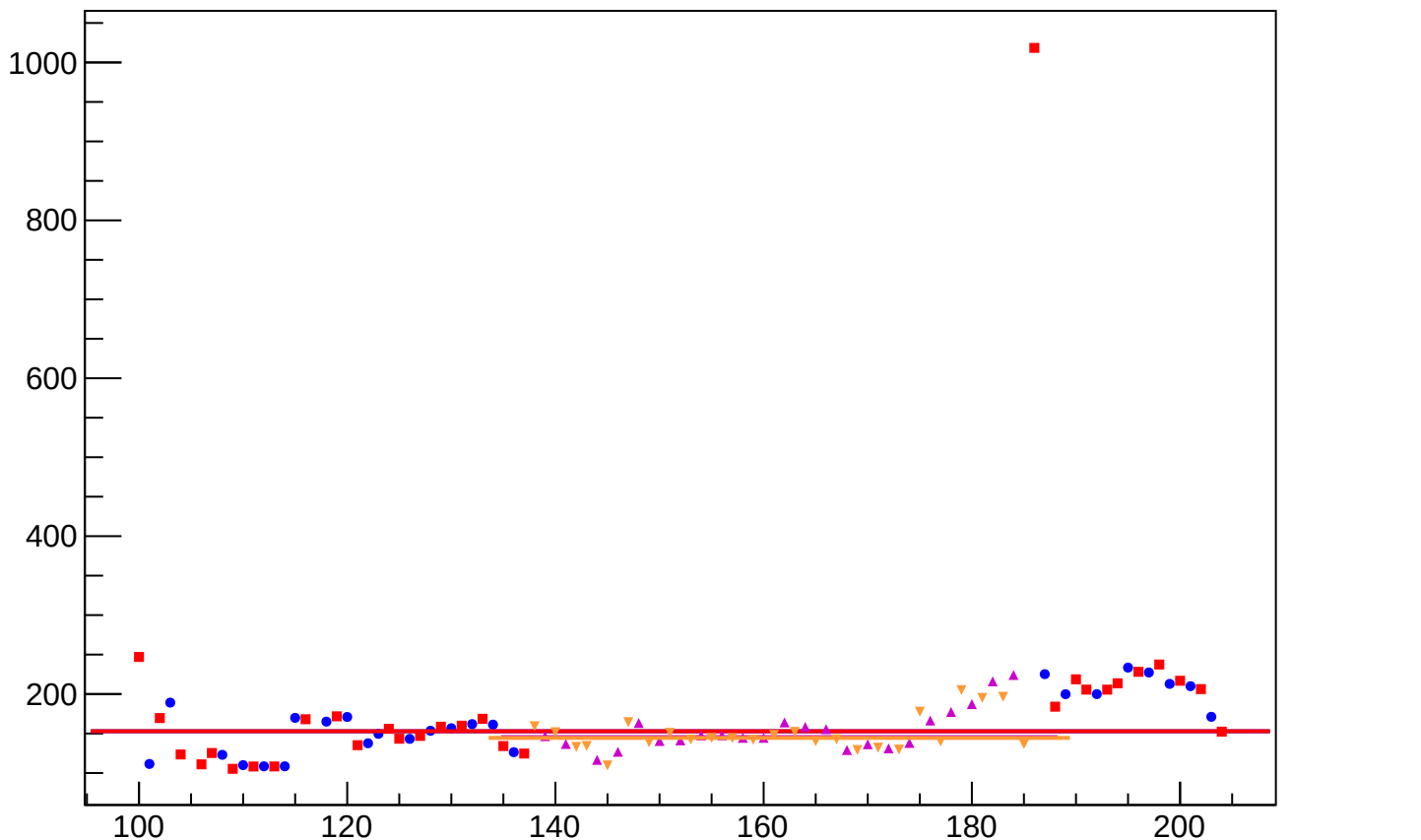
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 33.059 ± 27.249 χ^2/NDF : 54.7/49

All: 0.442 ± 19.245 χ^2/NDF : 109.5/102

- sign -32.016 ± 27.183 χ^2/NDF : 52.0/52

reg_asym_sam_48_avg_rms vs Slug



Right In: 152.880 $\pm$ 0.032 χ^2 /NDF: 1451880.5/24

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 152.923 $\pm$ 0.030 χ^2 /NDF: 2263668.2/29

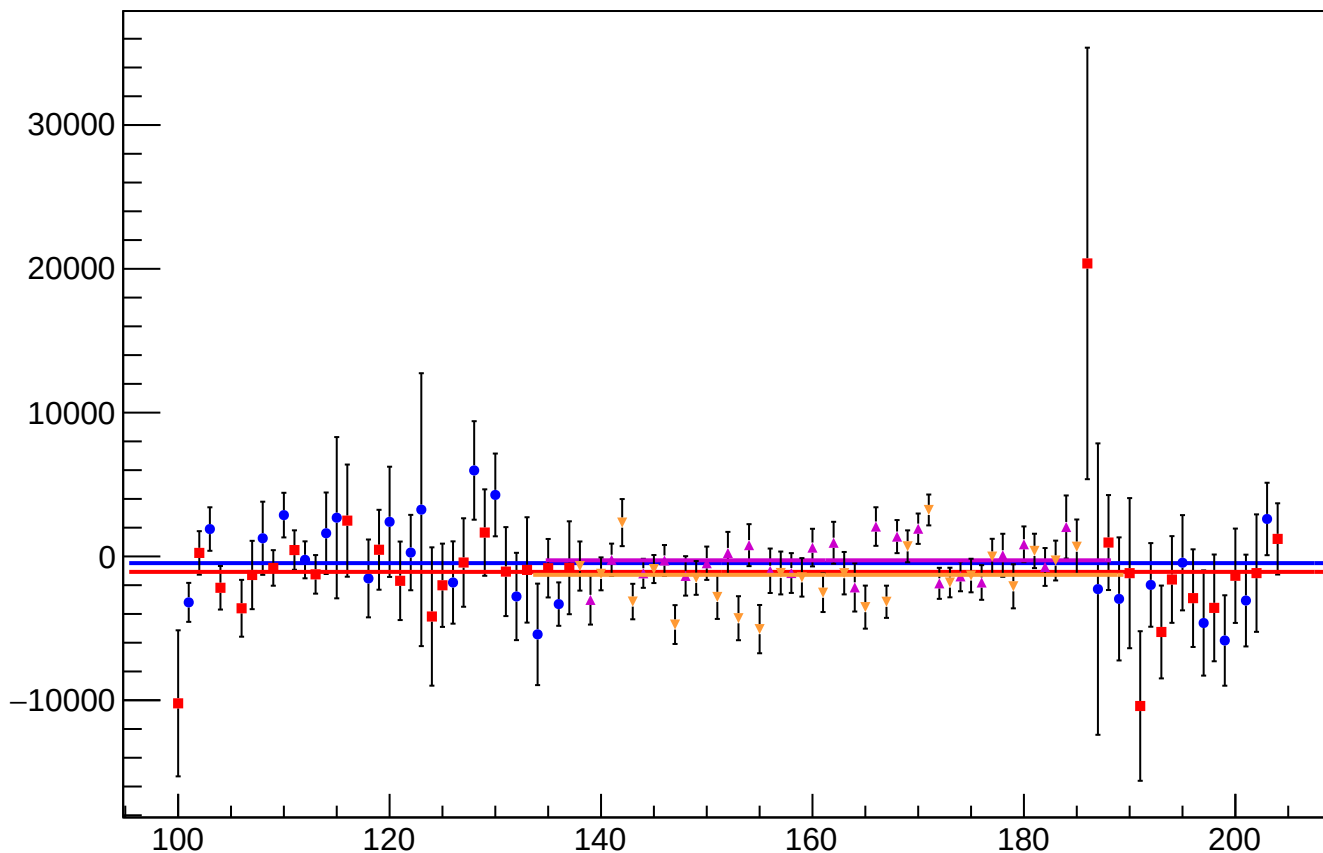
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 147.498 $\pm$ 0.019 χ^2 /NDF: 2166189.4/49

All: 148.019 $\pm$ 0.014 χ^2 /NDF: 5110478.7/102

- sign 148.537 $\pm$ 0.019 χ^2 /NDF: 2942834.0/52

asym_sam_48_avg_correction_mean vs Slug



Right In: -465.422 ± 480.286 $\chi^2/\text{NDF}: 33.0/24$

Left Out: -1279.328 ± 259.299 $\chi^2/\text{NDF}: 55.9/24$

Right Out: -1074.672 ± 440.103 $\chi^2/\text{NDF}: 19.0/29$

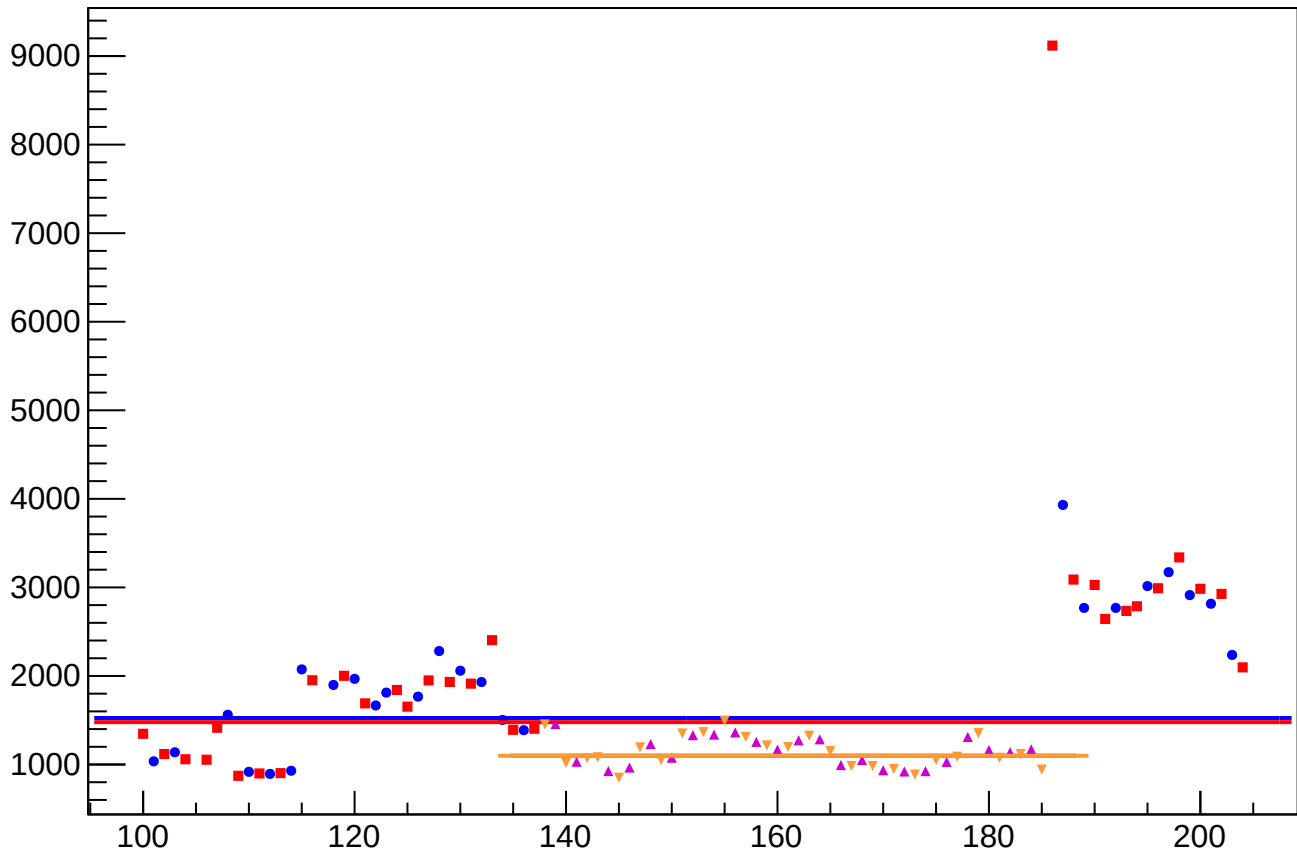
Left In: -269.952 ± 266.245 $\chi^2/\text{NDF}: 24.3/22$

+ sign -1095.636 ± 228.170 $\chi^2/\text{NDF}: 91.2/49$

All: -790.106 ± 161.211 $\chi^2/\text{NDF}: 140.6/102$

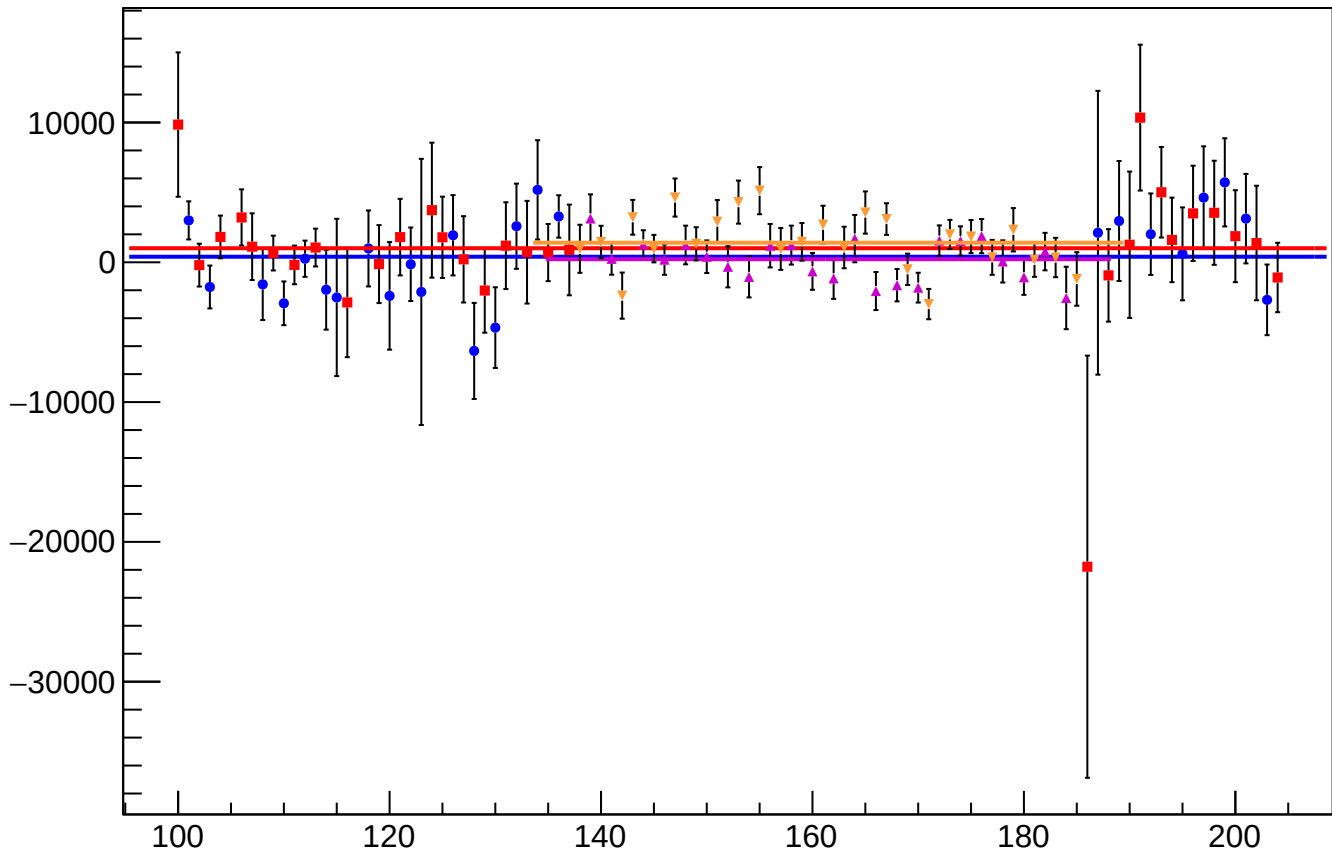
- sign -485.556 ± 227.803 $\chi^2/\text{NDF}: 45.8/52$

asym_sam_48_avg_correction_rms vs Slug



Right In: 1525.346+/-0.340	χ^2/NDF : 3927881.7/24	+ sign 1195.152+/-0.161	χ^2/NDF : 5973039.4/49
Left Out: 1098.909+/-0.183	χ^2/NDF : 824328.7/24	All: 1198.128+/-0.114	χ^2/NDF : 13347892.2/100
Right Out: 1478.457+/-0.311	χ^2/NDF : 5609195.4/29	- sign 1201.094+/-0.161	χ^2/NDF : 7374173.6/52
Left In: 1099.585+/-0.188	χ^2/NDF : 679896.1/22		

asym_sam_48_avg_mean vs Slug



Right In: 398.006 ± 483.131 χ^2/NDF : 32.7/24

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 1005.646 ± 443.120 χ^2/NDF : 17.8/29

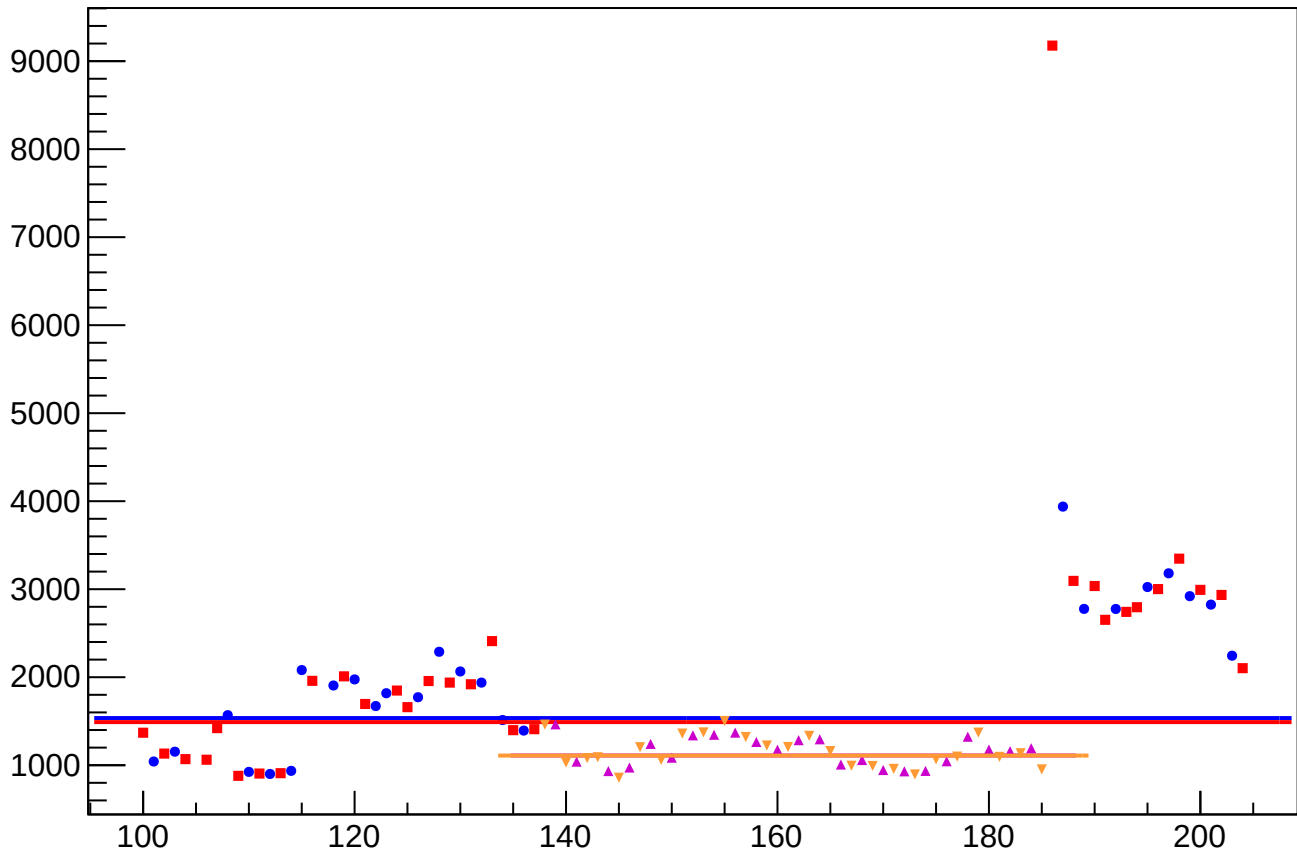
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1172.911 ± 230.181 χ^2/NDF : 88.2/49

All: 801.403 ± 162.647 χ^2/NDF : 138.5/102

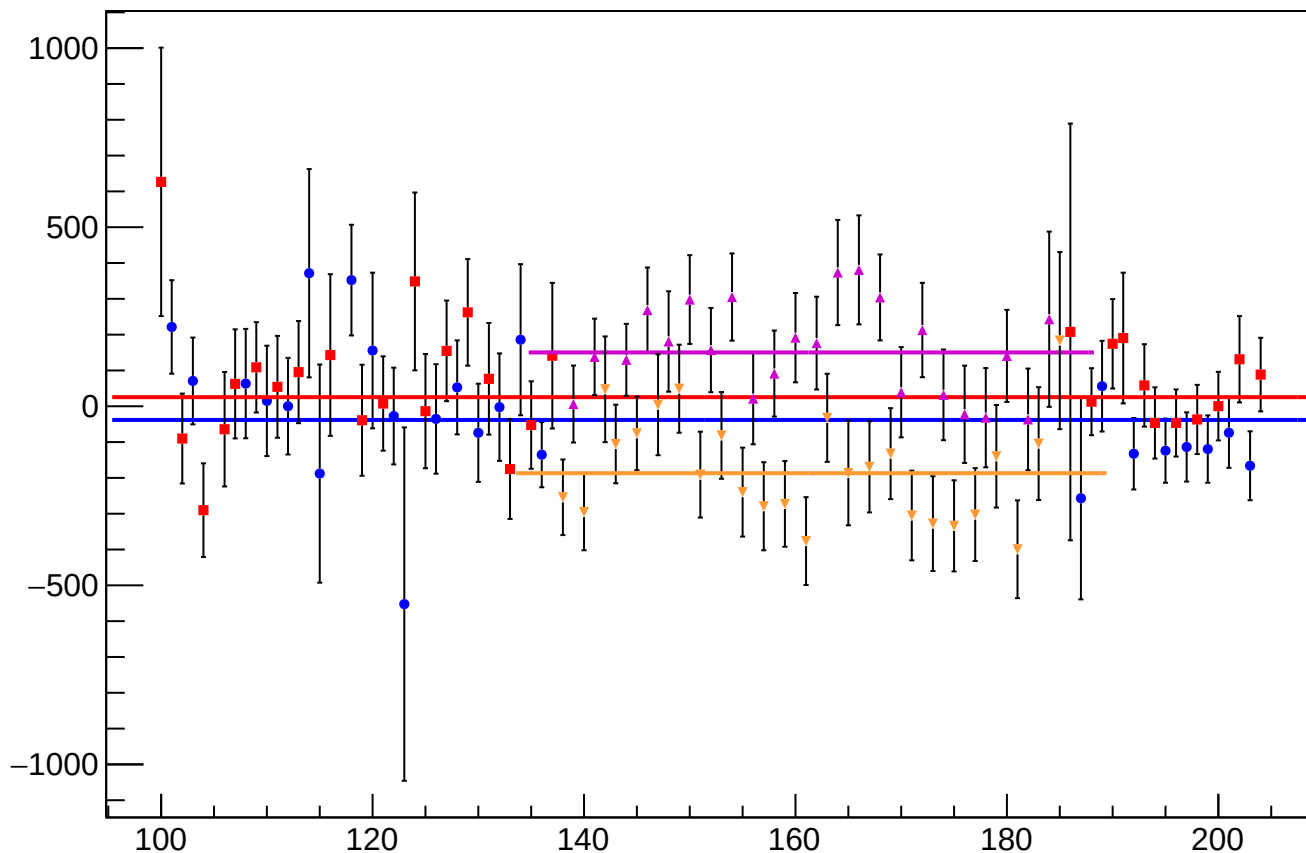
- sign 430.948 ± 229.854 χ^2/NDF : 45.1/52

asym_sam_48_avg_rms vs Slug



Right In: 1535.747 $\pm$ 0.342	χ^2 /NDF: 3893259.3/24	+ sign 1206.456 $\pm$ 0.163	χ^2 /NDF: 5907353.0/49
Left Out: 1109.761 $\pm$ 0.185	χ^2 /NDF: 812174.9/24	All: 1209.535 $\pm$ 0.115	χ^2 /NDF: 13210500.5/100
Right Out: 1489.861 $\pm$ 0.313	χ^2 /NDF: 5561294.3/29	- sign 1212.604 $\pm$ 0.163	χ^2 /NDF: 7302433.0/52
Left In: 1110.542 $\pm$ 0.190	χ^2 /NDF: 669928.9/22		

reg_asym_sam_15_dd_mean vs Slug



Right In: -38.150 ± 25.944 $\chi^2/\text{NDF}: 25.0/24$

Left Out: -186.838 ± 25.308 $\chi^2/\text{NDF}: 26.6/24$

Right Out: 25.457 ± 24.194 $\chi^2/\text{NDF}: 24.0/29$

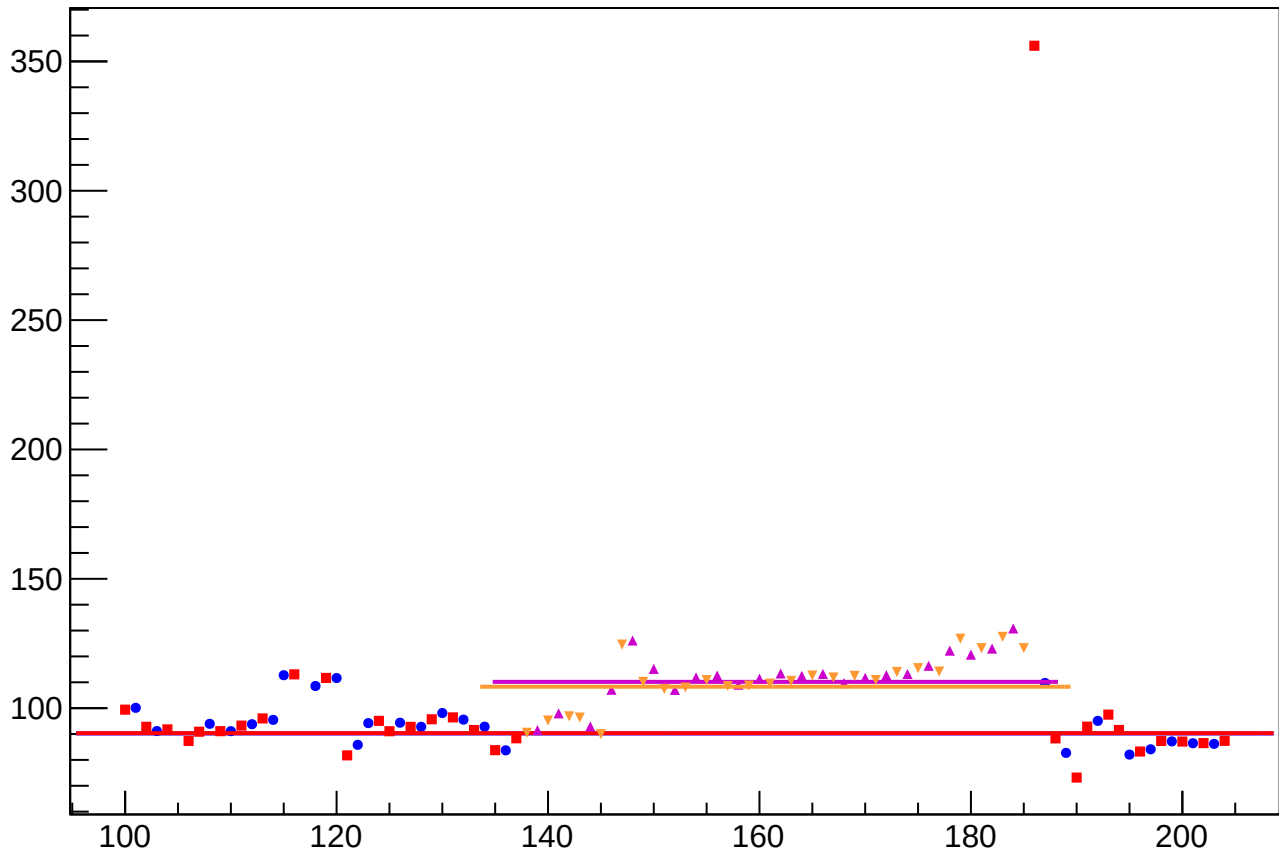
Left In: 150.315 ± 26.445 $\chi^2/\text{NDF}: 20.7/22$

+ sign -114.339 ± 18.116 $\chi^2/\text{NDF}: 68.4/49$

All: -14.543 ± 12.715 $\chi^2/\text{NDF}: 185.1/102$

- sign 82.347 ± 17.851 $\chi^2/\text{NDF}: 56.8/52$

reg_asym_sam_15_dd_rms vs Slug



Right In: 90.231+/-0.018 χ^2/NDF : 152361.2/24

Left Out: 108.287+/-0.018 χ^2/NDF : 330693.5/24

Right Out: 90.334+/-0.017 χ^2/NDF : 570681.5/29

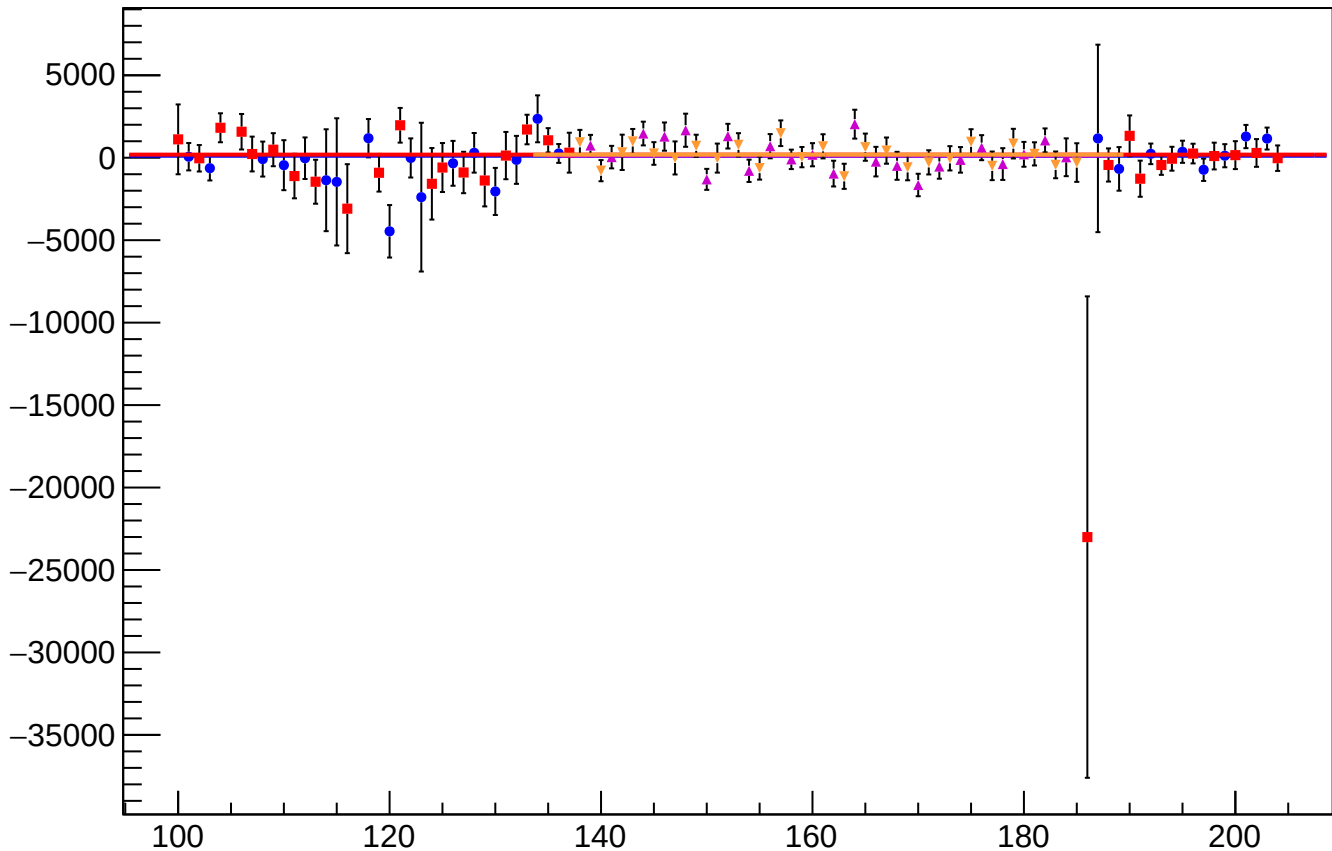
Left In: 110.173+/-0.019 χ^2/NDF : 246967.7/22

+ sign 99.483+/-0.013 χ^2/NDF : 979437.6/49

All: 99.427+/-0.009 χ^2/NDF : 2409896.9/102

- sign 99.373+/-0.013 χ^2/NDF : 1430421.8/52

asym_sam_15_dd_correction_mean vs Slug



Right In: 120.995 $\pm$ 192.802 χ^2 /NDF: 23.4/24

Left Out: 185.392 $\pm$ 153.683 χ^2 /NDF: 18.4/24

Right Out: 188.394 $\pm$ 180.369 χ^2 /NDF: 27.1/29

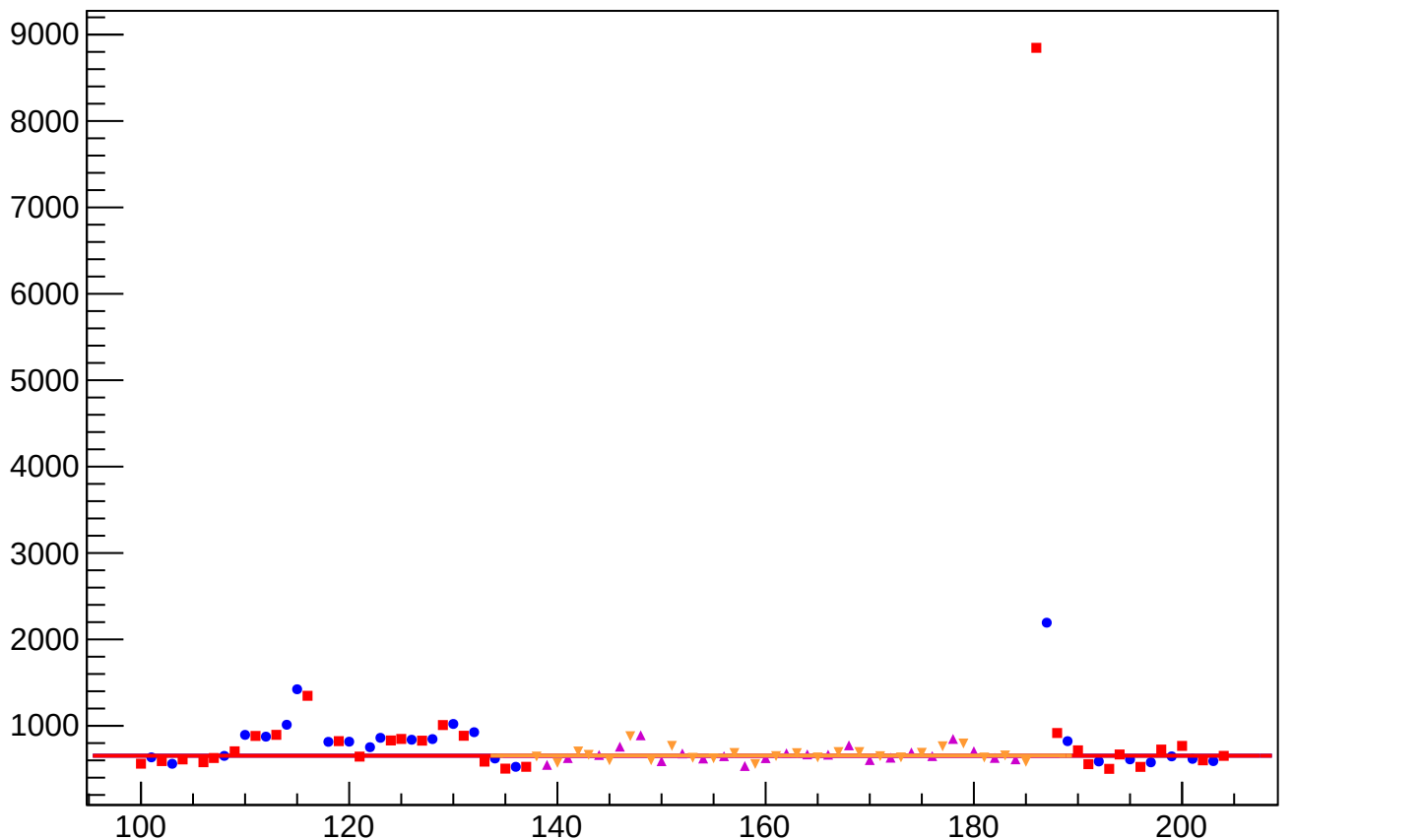
Left In: 128.782 $\pm$ 157.155 χ^2 /NDF: 36.2/22

+ sign 160.373 $\pm$ 120.176 χ^2 /NDF: 41.8/49

All: 157.398 $\pm$ 84.374 χ^2 /NDF: 105.2/102

- sign 154.507 $\pm$ 118.489 χ^2 /NDF: 63.3/52

asym_sam_15_dd_correction_rms vs Slug



Right In: 654.488 $\pm$ 0.136 χ^2 /NDF: 980025.4/24

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 653.604 $\pm$ 0.128 χ^2 /NDF: 1765609.7/29

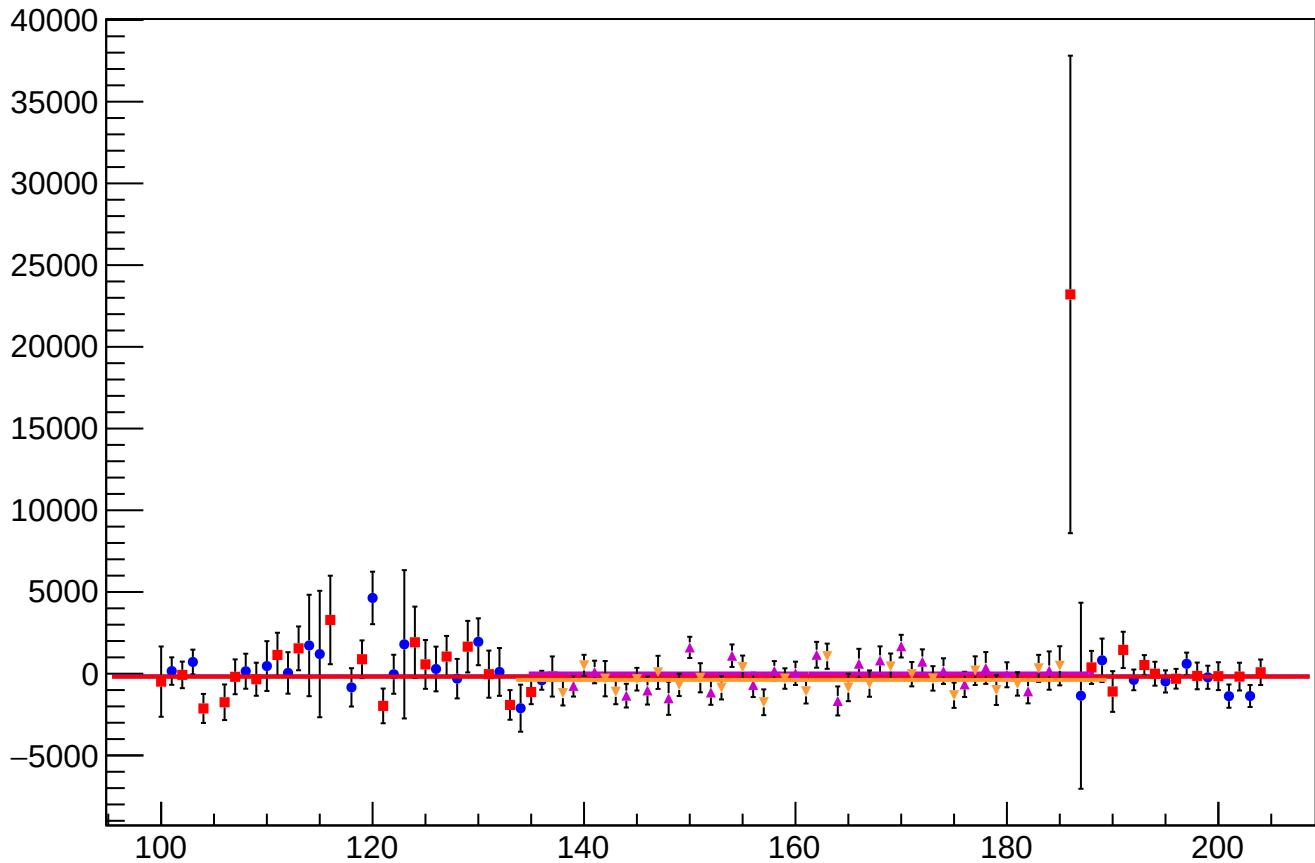
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 654.896 $\pm$ 0.085 χ^2 /NDF: 1347389.8/49

All: 653.457 $\pm$ 0.060 χ^2 /NDF: 3579940.8/102

- sign 652.057 $\pm$ 0.084 χ^2 /NDF: 2231985.3/52

asym_sam_15_dd_mean vs Slug



Right In: -164.355+/-194.804 χ^2/NDF : 24.3/24

Left Out: -379.470+/-155.892 χ^2/NDF : 18.8/24

Right Out: -181.161+/-182.335 χ^2/NDF : 30.8/29

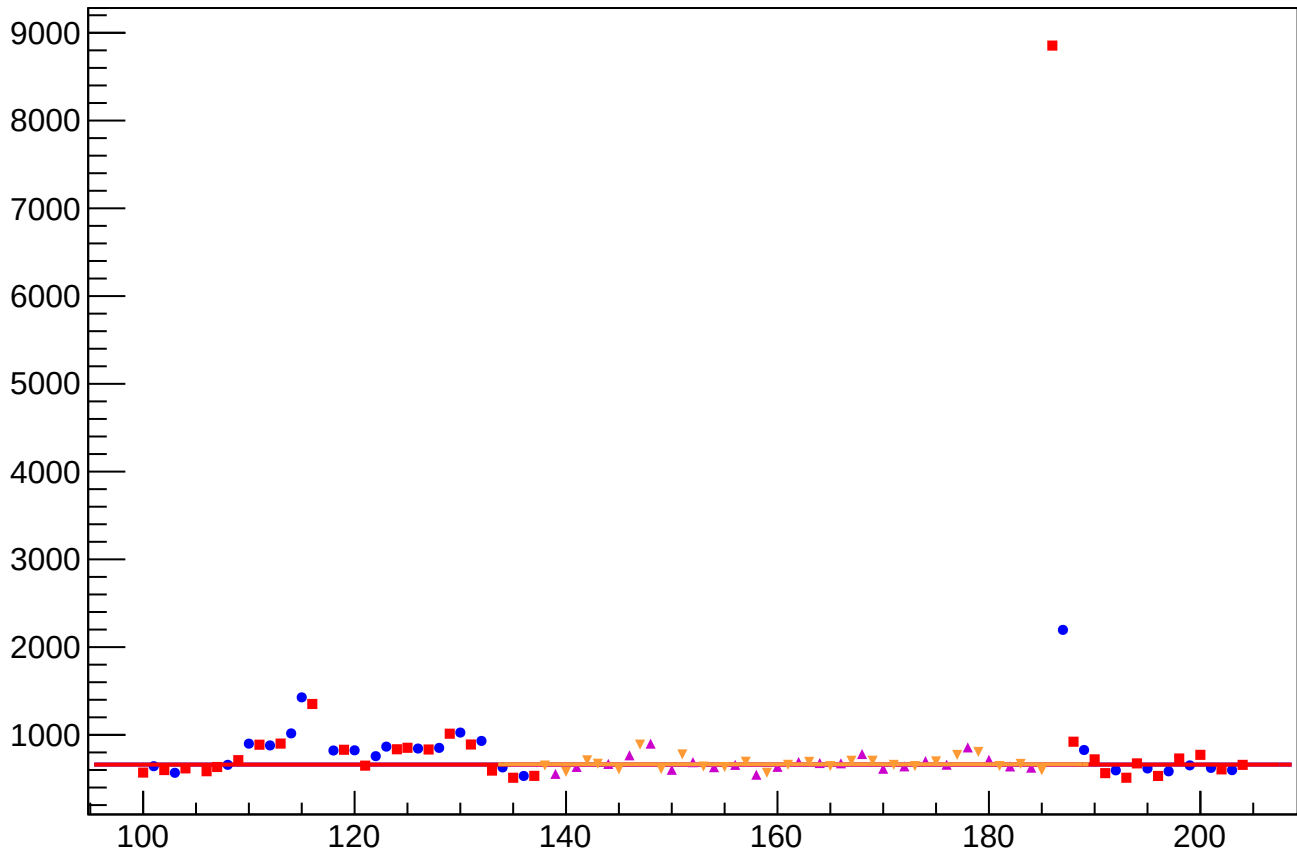
Left In: 14.768+/-159.513 χ^2/NDF : 37.2/22

+ sign -295.491+/-121.716 χ^2/NDF : 43.9/49

All: -181.285+/-85.473 χ^2/NDF : 114.3/102

- sign -70.175+/-120.056 χ^2/NDF : 68.6/52

asym_sam_15_dd_rms vs Slug



Right In: 661.731+/-0.138 χ^2/NDF : 958676.3/24

Left Out: 664.773+/-0.110 χ^2/NDF : 357053.8/24

Right Out: 661.342+/-0.129 χ^2/NDF : 1729247.8/29

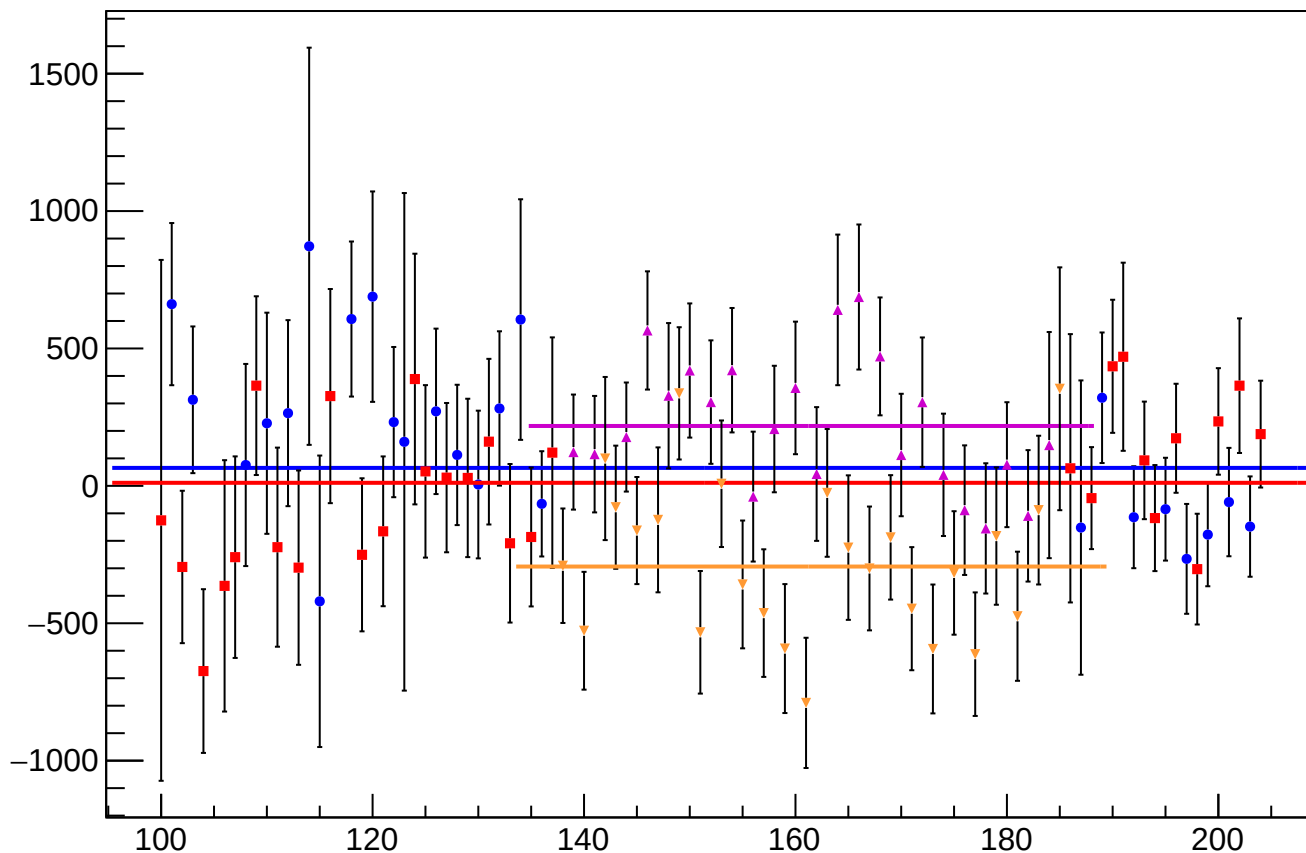
Left In: 660.890+/-0.113 χ^2/NDF : 449180.0/22

+ sign 663.585+/-0.086 χ^2/NDF : 1316027.4/49

All: 662.318+/-0.060 χ^2/NDF : 3494889.4/102

- sign 661.086+/-0.085 χ^2/NDF : 2178434.8/52

reg_asym_sam_26_dd_mean vs Slug



Right In: 65.384+/-52.663 χ^2/NDF : 26.5/24

Left Out: -293.590+/-47.203 χ^2/NDF :30.3/24

Right Out: 11.117+/-49.516 χ^2/NDF : 27.2/29

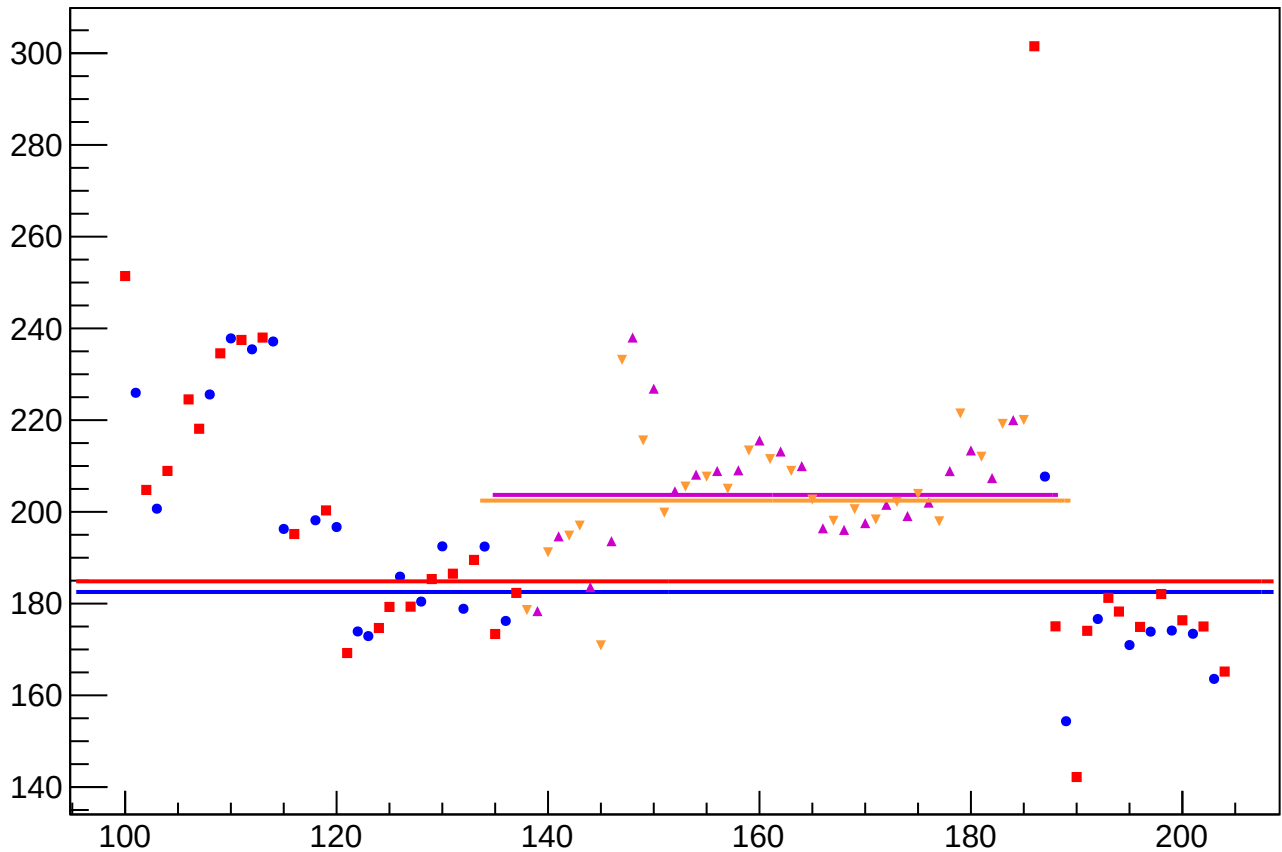
Left In: 217.964+/-48.819 χ^2/NDF :21.3/22

+ sign -133.671+/-35.150 χ^2/NDF : 82.6/49

All: -7.454+/-24.717 χ^2/NDF : 165.4/102

- sign 116.007+/-34.764 χ^2/NDF : 57.3/52

reg_asym_sam_26_dd_rms vs Slug



Right In: 182.533 $\pm$ 0.037 χ^2 /NDF: 272887.0/24

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 184.849 $\pm$ 0.035 χ^2 /NDF: 439921.5/29

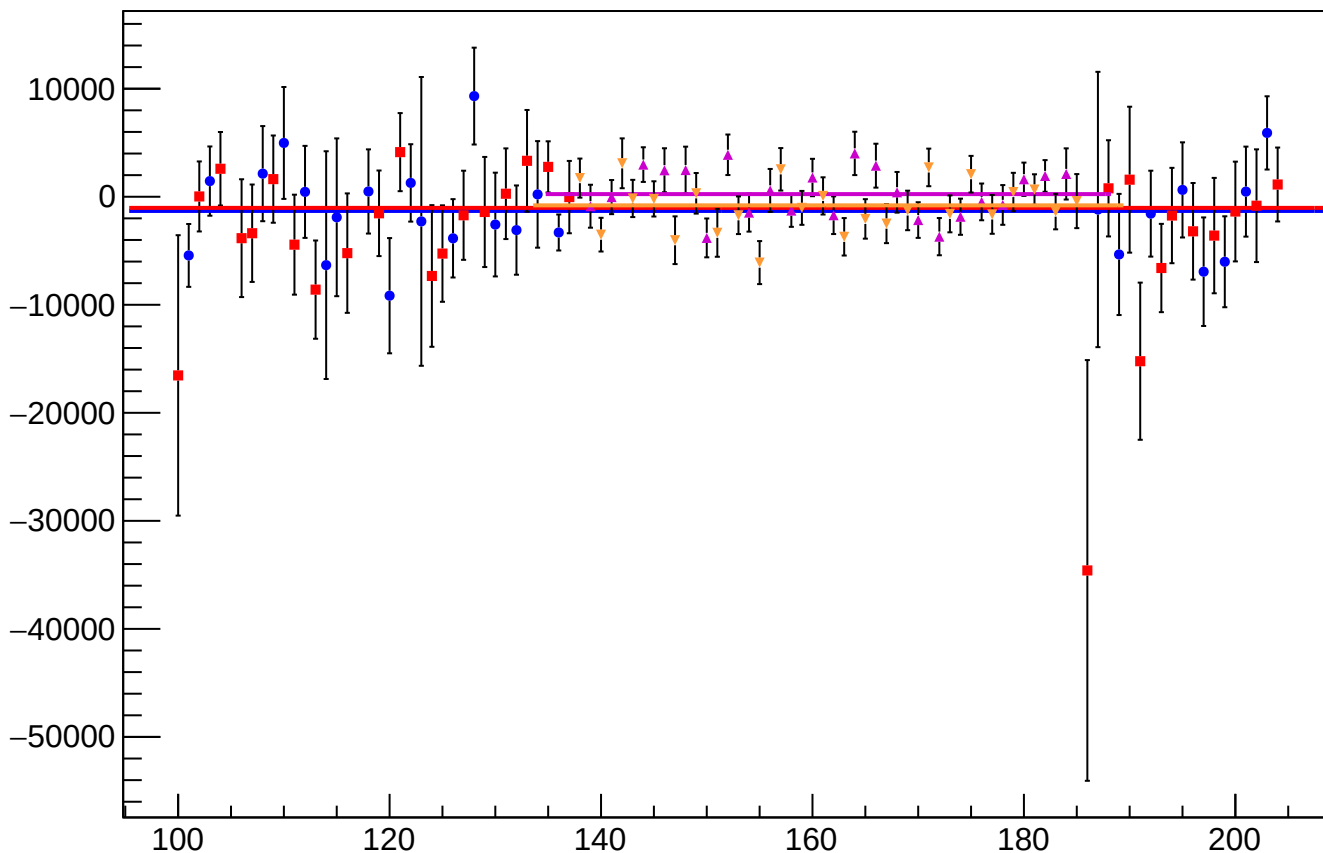
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 193.582 $\pm$ 0.025 χ^2 /NDF: 590241.7/49

All: 193.999 $\pm$ 0.017 χ^2 /NDF: 1313878.9/102

- sign 194.408 $\pm$ 0.025 χ^2 /NDF: 723078.9/52

asym_sam_26_dd_correction_mean vs Slug



Right In: -1313.847 ± 791.985 χ^2/NDF : 24.0/24

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1029.888 ± 790.719 χ^2/NDF : 24.9/29

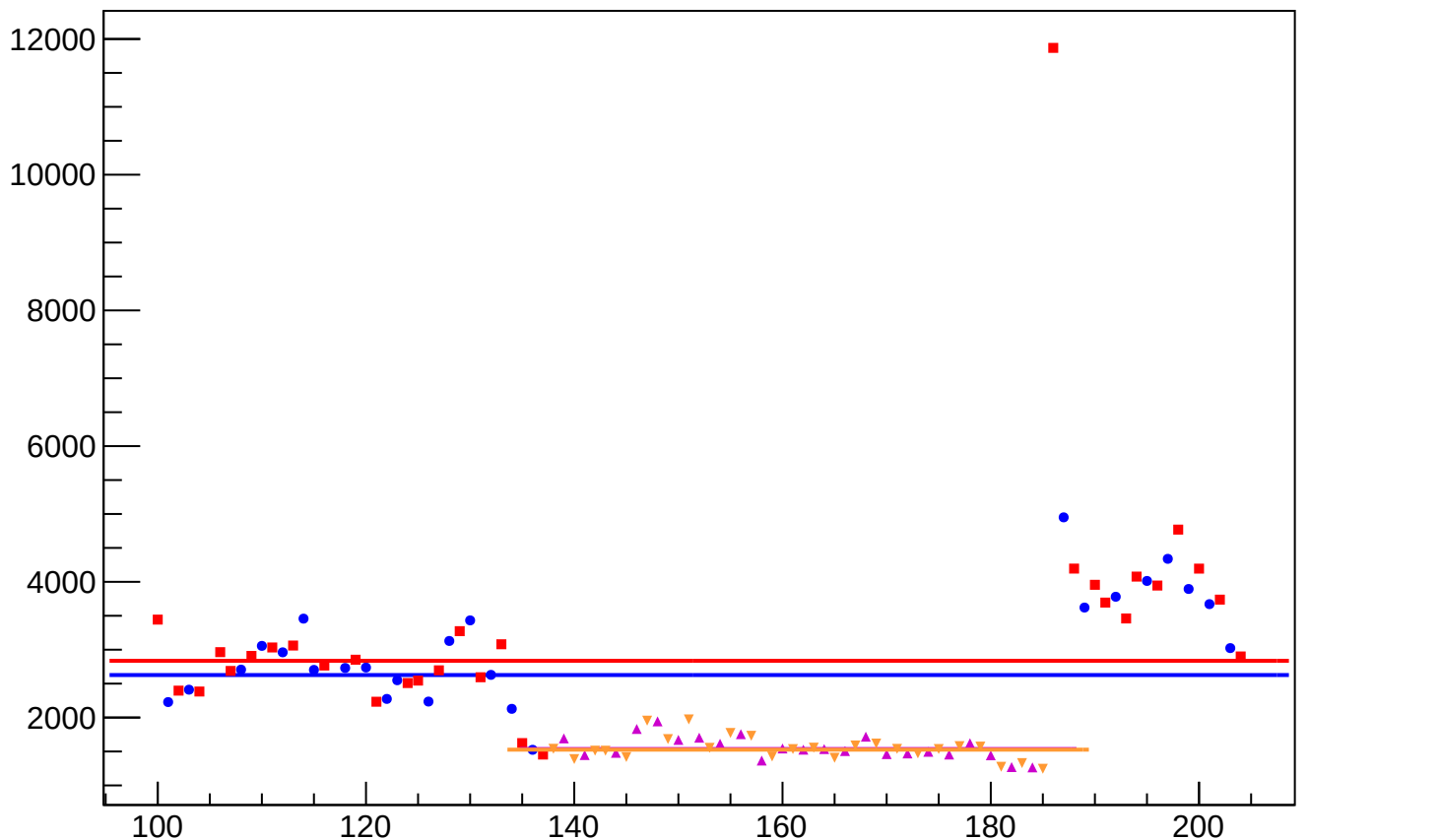
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -884.237 ± 326.107 χ^2/NDF : 60.1/49

All: -446.126 ± 233.677 χ^2/NDF : 126.5/102

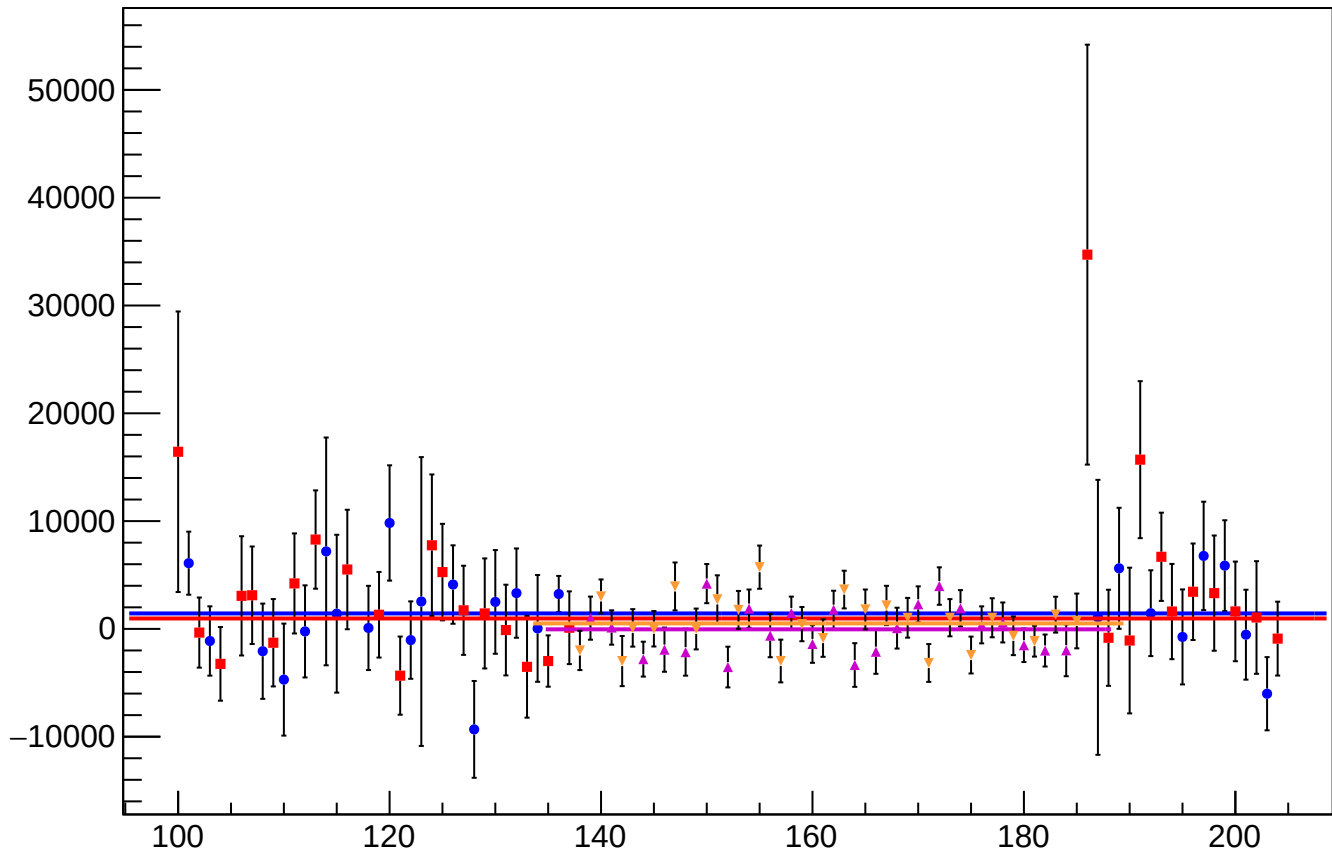
- sign 16.236 ± 335.011 χ^2/NDF : 62.7/52

asym_sam_26_dd_correction_rms vs Slug



Right In: 2626.545 $\pm$ 0.560	χ^2 /NDF: 2170502.2/24	+ sign 1713.183 $\pm$ 0.231	χ^2 /NDF: 5768455.7/49
Left Out: 1526.712 $\pm$ 0.253	χ^2 /NDF: 394892.7/24	All: 1740.767 $\pm$ 0.165	χ^2 /NDF: 13159349.0/1
Right Out: 2836.453 $\pm$ 0.559	χ^2 /NDF: 2576119.2/29	- sign 1769.878 $\pm$ 0.237	χ^2 /NDF: 7361482.3/52
Left In: 1536.538 $\pm$ 0.262	χ^2 /NDF: 350373.3/22		

asym_sam_26_dd_mean vs Slug



Right In: 1434.327 ± 794.838 χ^2/NDF : 24.5/24

Left Out: 507.982 ± 361.172 χ^2/NDF : 35.4/24

Right Out: 966.667 ± 793.277 χ^2/NDF : 25.6/29

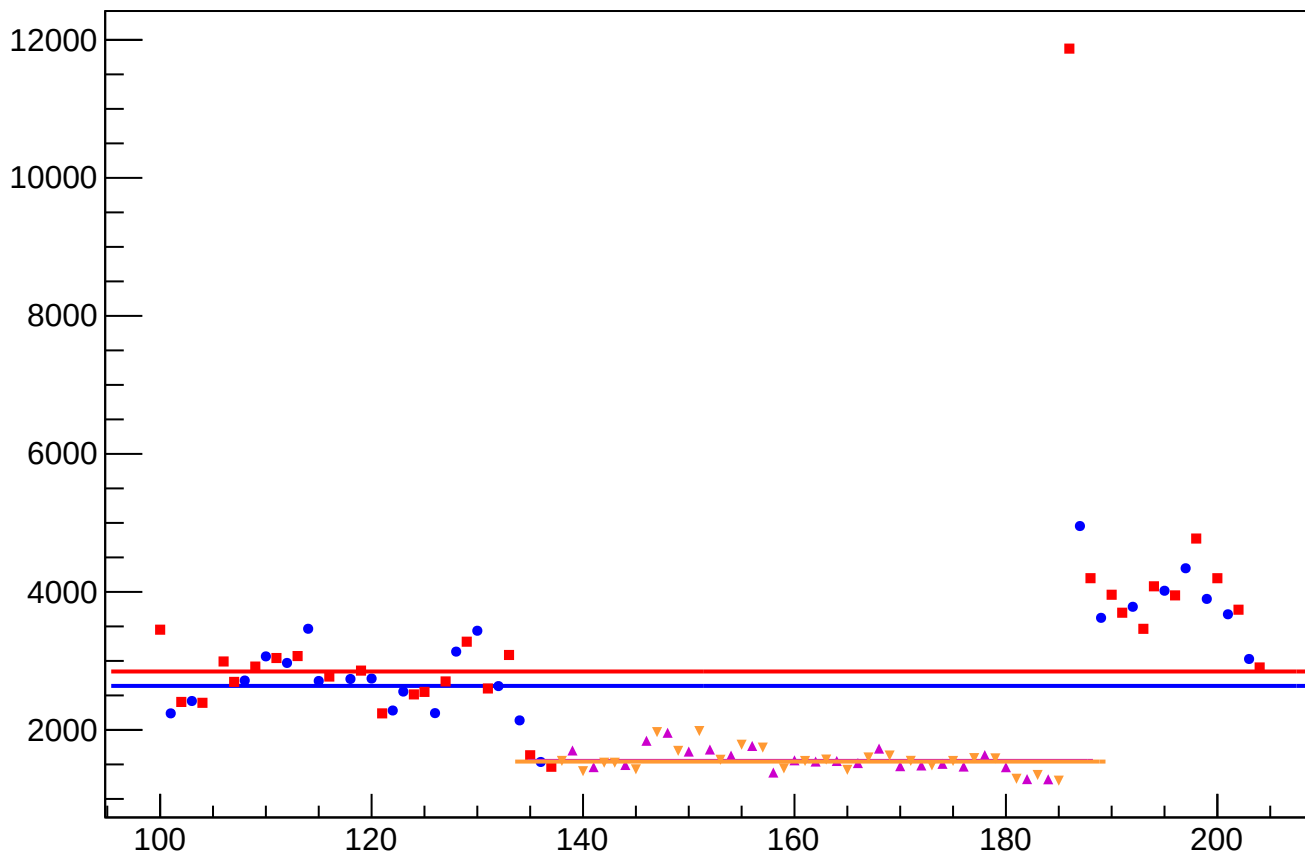
Left In: -40.080 ± 373.261 χ^2/NDF : 33.6/22

+ sign 666.517 ± 328.818 χ^2/NDF : 61.0/49

All: 411.479 ± 235.601 χ^2/NDF : 122.8/102

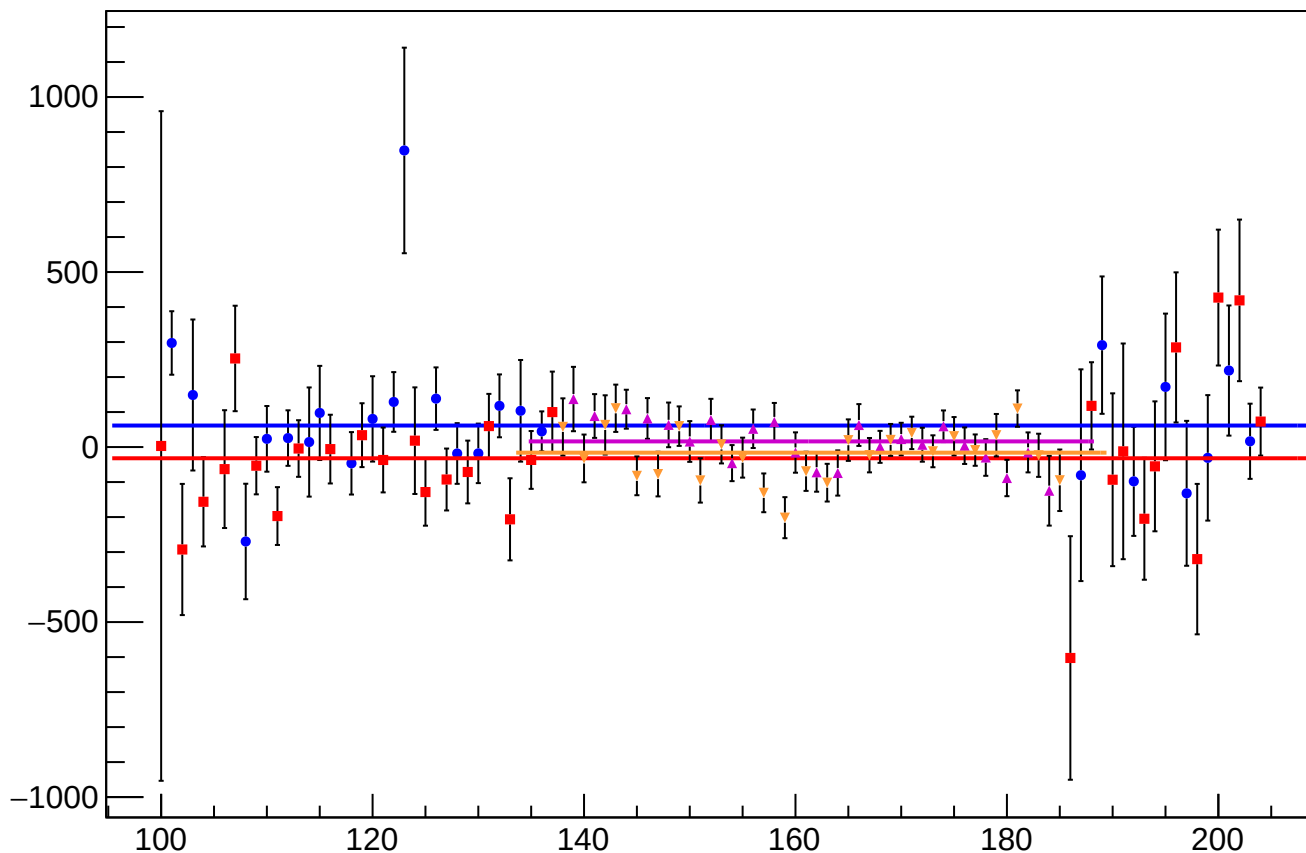
- sign 142.410 ± 337.741 χ^2/NDF : 60.5/52

asym_sam_26_dd_rms vs Slug



Right In: 2637.814+/-0.562	χ^2/NDF : 2141865.4/24	+ sign 1728.923+/-0.233	χ^2/NDF : 5679020.2/49
Left Out: 1541.258+/-0.255	χ^2/NDF : 382045.4/24	All: 1756.661+/-0.167	χ^2/NDF : 12966975.8/1
Right Out: 2846.727+/-0.561	χ^2/NDF : 2551560.0/29	- sign 1785.924+/-0.239	χ^2/NDF : 7258709.4/52
Left In: 1551.063+/-0.264	χ^2/NDF : 338898.9/22		

reg_asym_sam_37_dd_mean vs Slug



Right In: 61.470 ± 22.155 χ^2/NDF : 28.7/24

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -32.042 ± 21.658 χ^2/NDF : 37.3/29

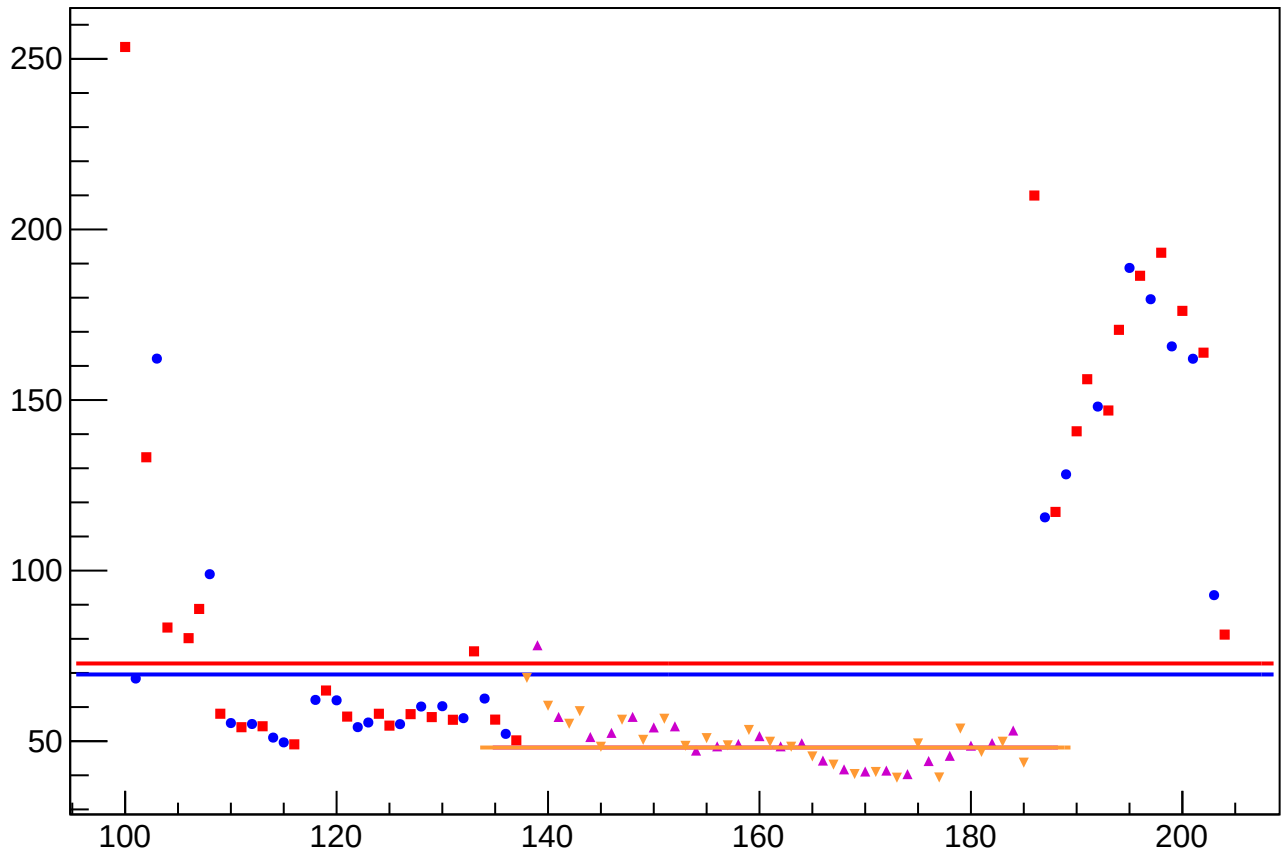
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign 0.044 ± 10.094 χ^2/NDF : 78.1/49

All: 2.651 ± 7.196 χ^2/NDF : 144.7/102

- sign 5.345 ± 10.260 χ^2/NDF : 66.4/52

reg_asym_sam_37_dd_rms vs Slug



Right In: 69.557 ± 0.016 $\chi^2/\text{NDF}: 4151917.2/24$

Left Out: 48.141 ± 0.008 $\chi^2/\text{NDF}: 655250.3/24$

Right Out: 72.779 ± 0.015 $\chi^2/\text{NDF}: 5073568.6/29$

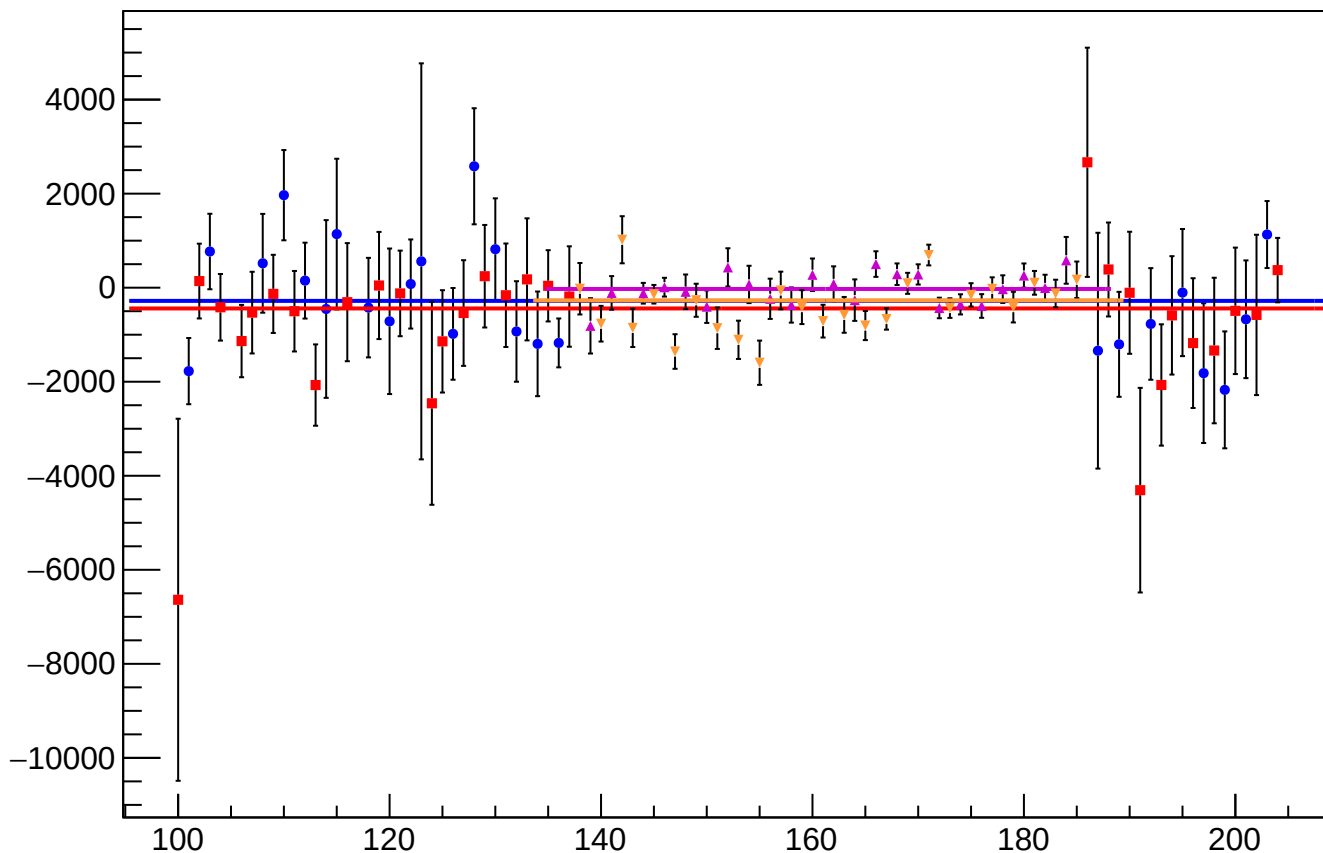
Left In: 48.139 ± 0.008 $\chi^2/\text{NDF}: 575025.5/22$

+ sign 52.587 ± 0.007 $\chi^2/\text{NDF}: 6288090.3/49$

All: 53.119 ± 0.005 $\chi^2/\text{NDF}: 13955667.9/102$

- sign 53.668 ± 0.007 $\chi^2/\text{NDF}: 7656287.6/52$

asym_sam_37_dd_correction_mean vs Slug



Right In: -280.631 ± 203.632 $\chi^2/\text{NDF}: 33.0/24$

Left Out: -270.214 ± 60.177 $\chi^2/\text{NDF}: 70.1/24$

Right Out: -441.634 ± 191.316 $\chi^2/\text{NDF}: 19.6/29$

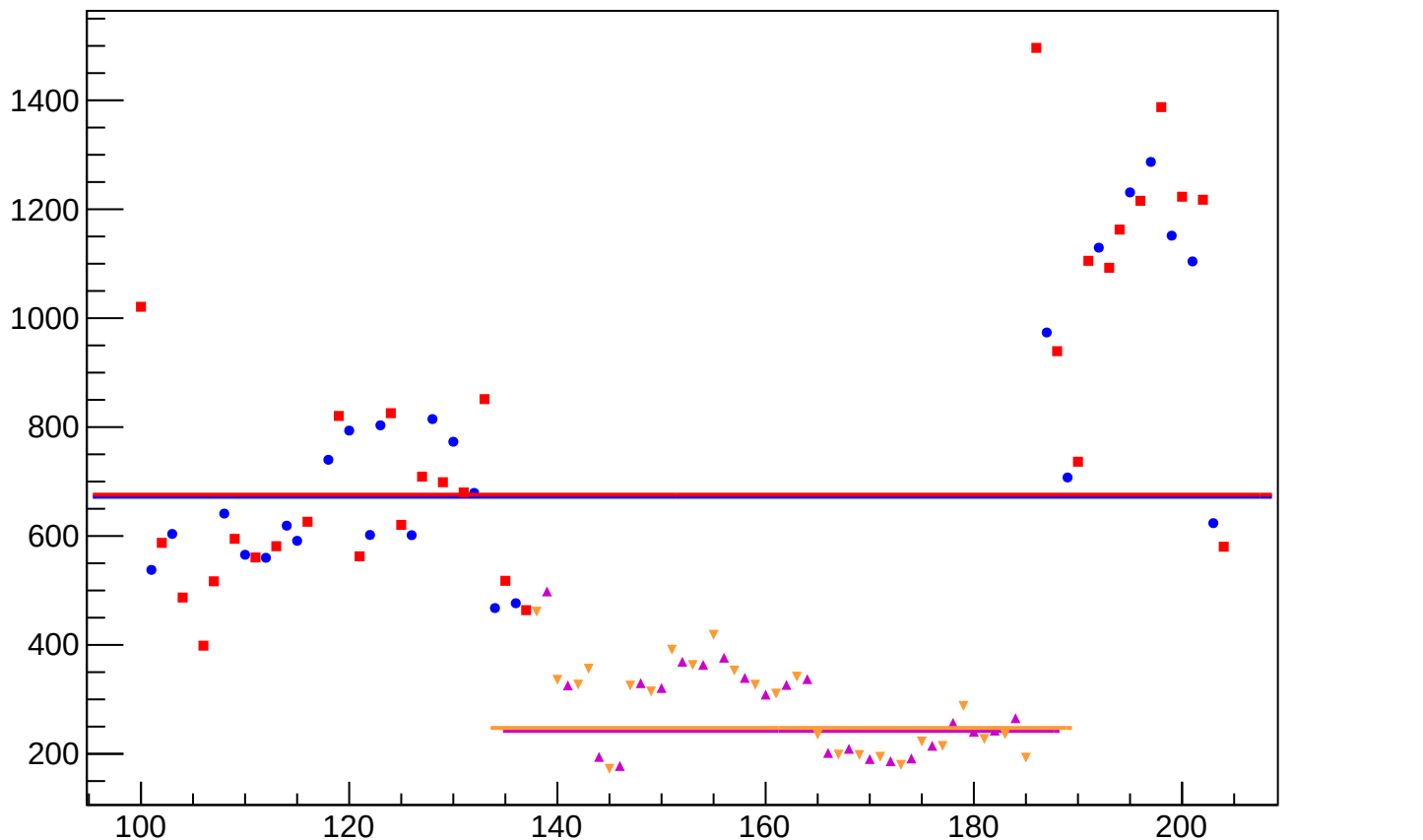
Left In: -27.271 ± 60.430 $\chi^2/\text{NDF}: 25.1/22$

+ sign -271.050 ± 57.710 $\chi^2/\text{NDF}: 103.1/49$

All: -167.802 ± 40.777 $\chi^2/\text{NDF}: 158.4/102$

- sign -64.862 ± 57.624 $\chi^2/\text{NDF}: 48.9/52$

asym_sam_37_dd_correction_rms vs Slug



Right In: 672.106 $\pm$ 0.144 χ^2 /NDF: 2154303.0/24

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 675.839 $\pm$ 0.135 χ^2 /NDF: 3131001.5/29

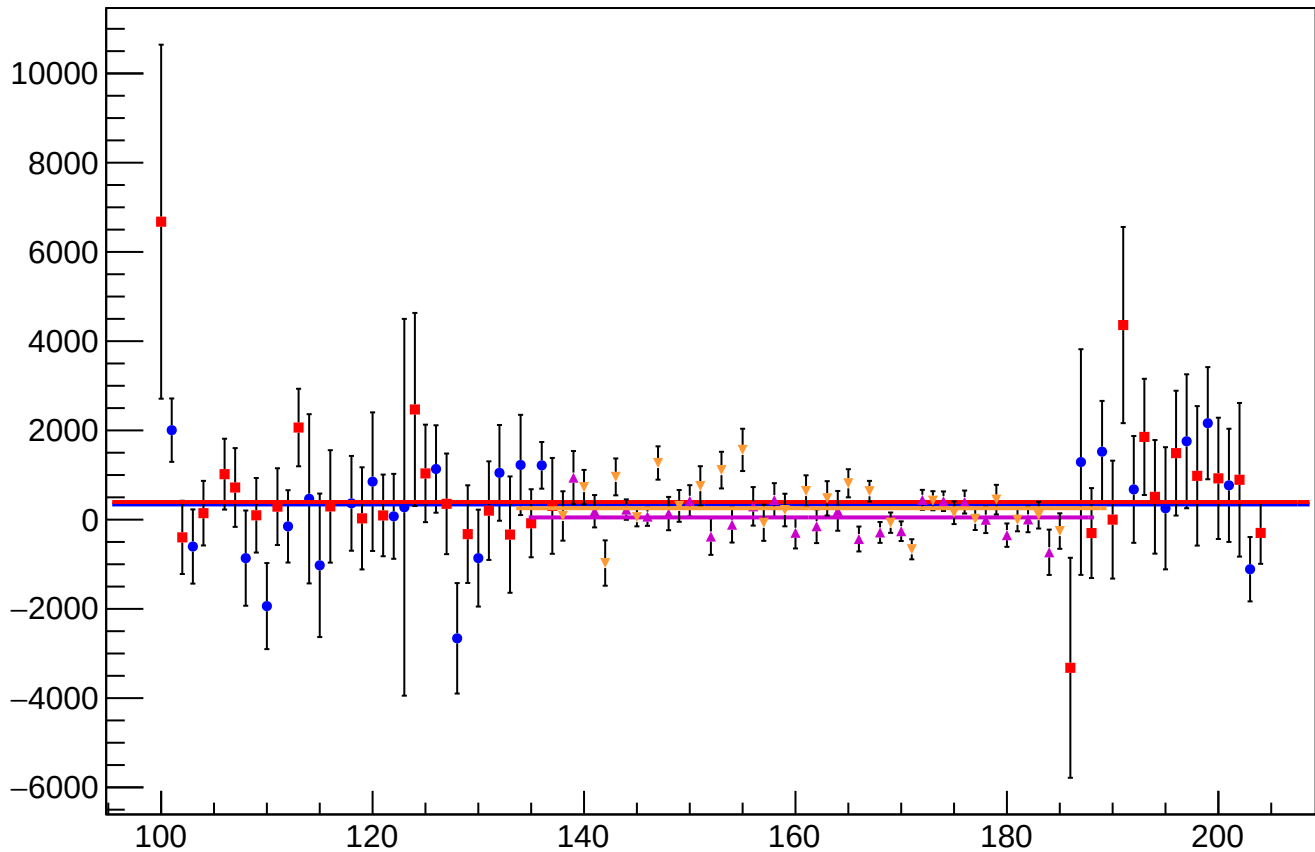
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 281.668 $\pm$ 0.041 χ^2 /NDF: 12929922.2/49

All: 281.566 $\pm$ 0.029 χ^2 /NDF: 27873515.8/10

- sign 281.464 $\pm$ 0.041 χ^2 /NDF: 14943581.1/52

asym_sam_37_dd_mean vs Slug



Right In: 340.800 ± 205.552 χ^2/NDF : 35.0/24

Left Out: 255.995 ± 61.418 χ^2/NDF : 63.6/24

Right Out: 395.209 ± 193.486 χ^2/NDF : 20.1/29

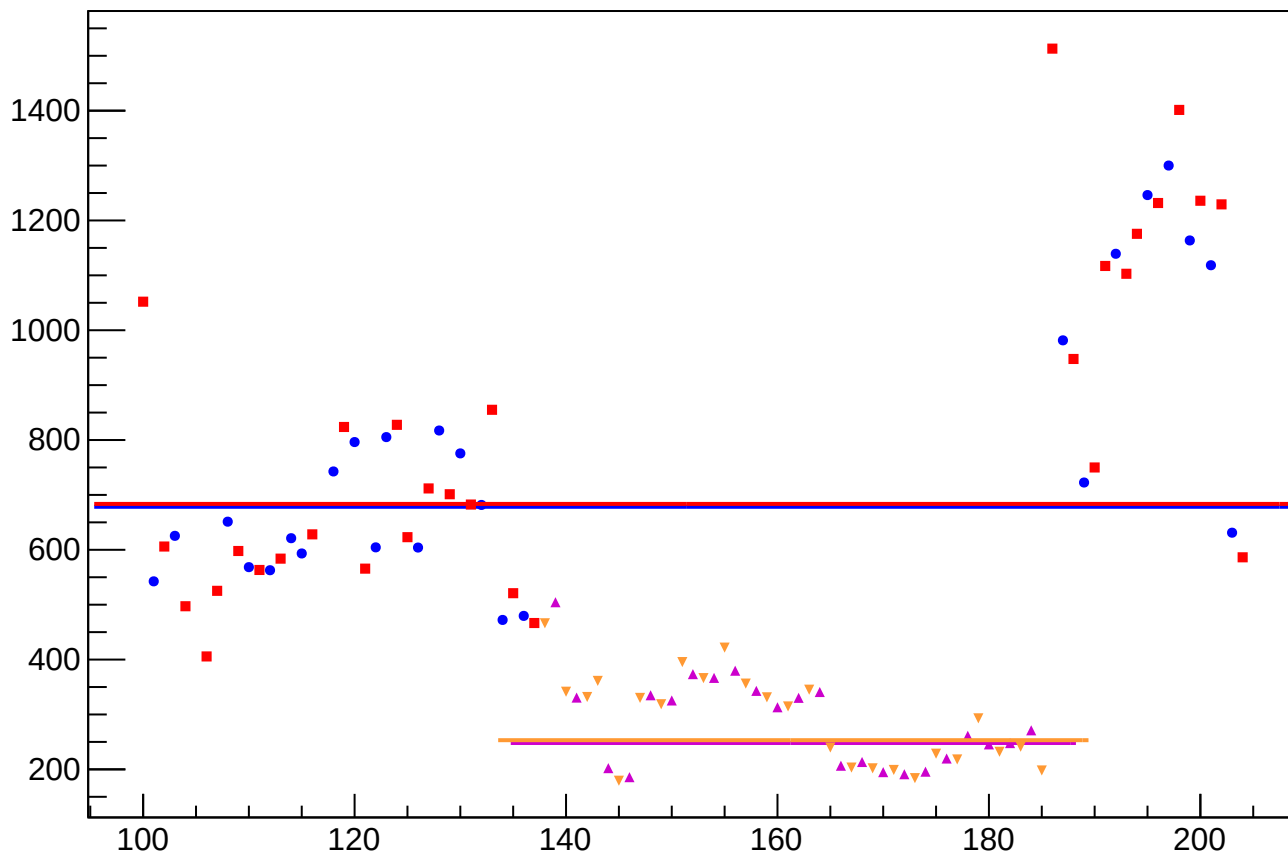
Left In: 49.832 ± 61.781 χ^2/NDF : 27.5/22

+ sign 262.946 ± 58.848 χ^2/NDF : 98.7/49

All: 172.376 ± 41.614 χ^2/NDF : 154.1/102

- sign 81.787 ± 58.854 χ^2/NDF : 50.6/52

asym_sam_37_dd_rms vs Slug



Right In: 678.392 $\pm$ 0.145 χ^2 /NDF: 2161226.3/24

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 683.595 $\pm$ 0.137 χ^2 /NDF: 3107037.4/29

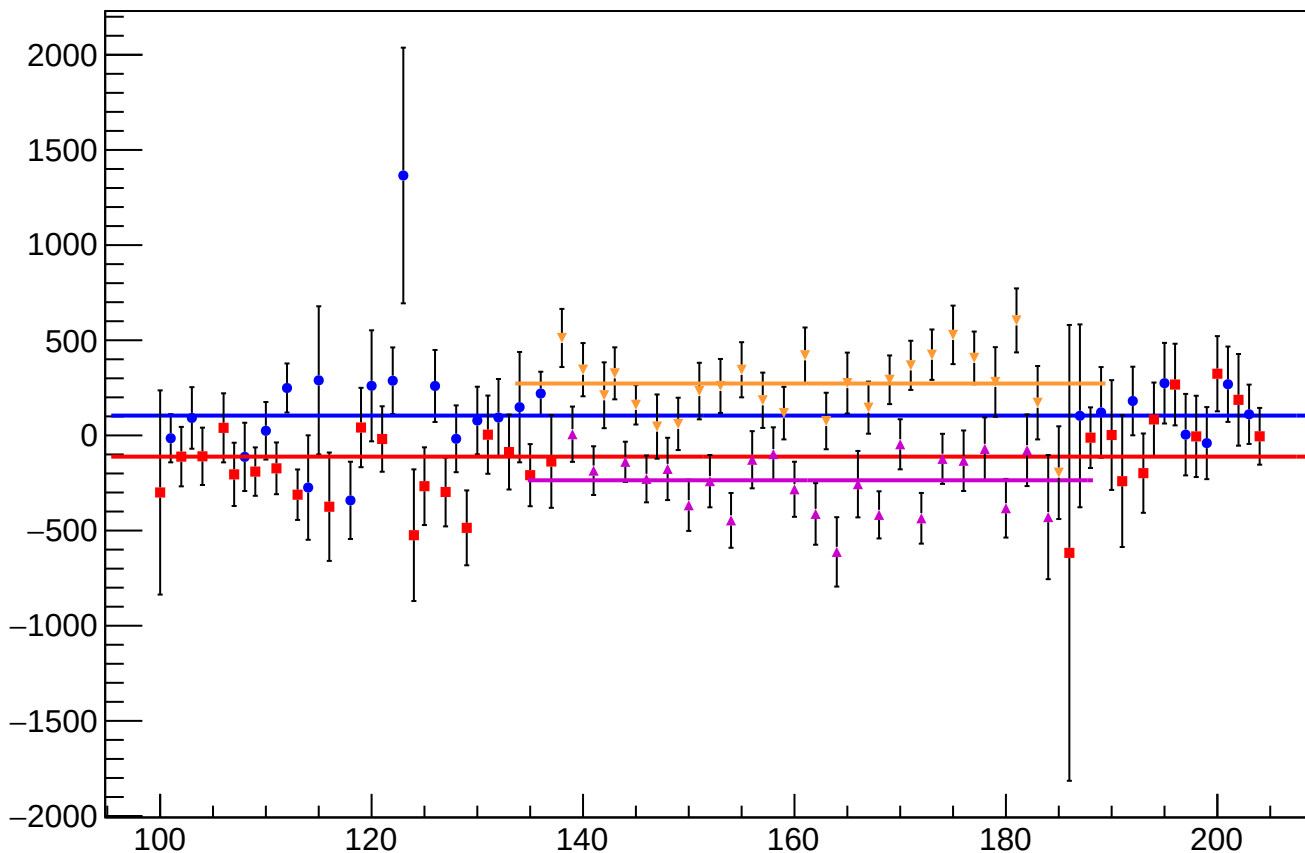
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 287.992 $\pm$ 0.042 χ^2 /NDF: 12685832.3/49

All: 288.178 $\pm$ 0.029 χ^2 /NDF: 27332142.4/10

- sign 288.365 $\pm$ 0.042 χ^2 /NDF: 14646270.0/52

reg_asym_sam_48_dd_mean vs Slug



Right In: 104.186 ± 37.205 χ^2/NDF : 20.3/24

Left Out: 272.684 ± 29.221 χ^2/NDF : 27.4/24

Right Out: -111.547 ± 34.684 χ^2/NDF : 25.4/29

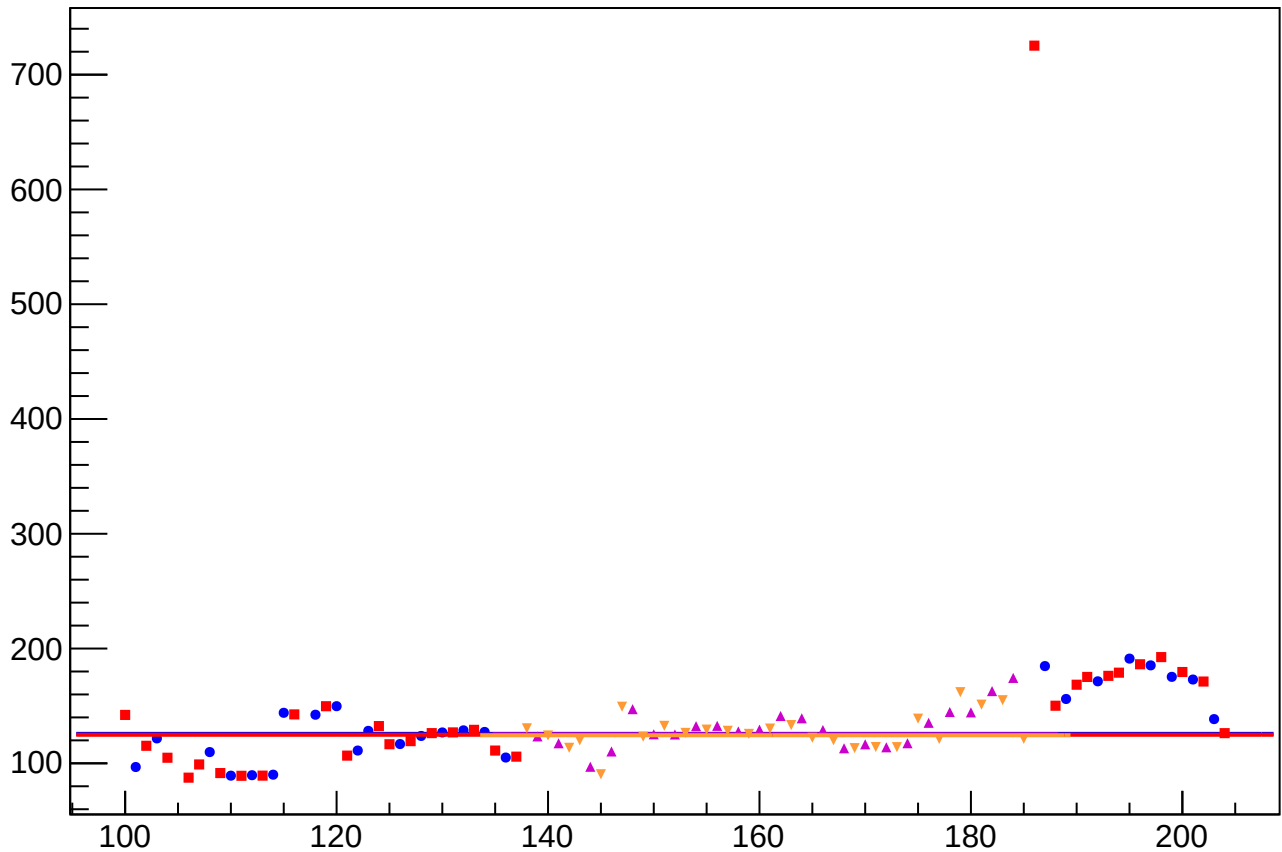
Left In: -235.801 ± 30.232 χ^2/NDF : 24.6/22

+ sign 208.399 ± 22.981 χ^2/NDF : 60.4/49

All: 11.492 ± 16.182 χ^2/NDF : 263.3/102

- sign -182.157 ± 22.790 χ^2/NDF : 57.3/52

reg_asym_sam_48_dd_rms vs Slug



Right In: 125.669 $\pm$ 0.026 χ^2 /NDF: 1346777.1/24

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 124.863 $\pm$ 0.025 χ^2 /NDF: 2201348.6/29

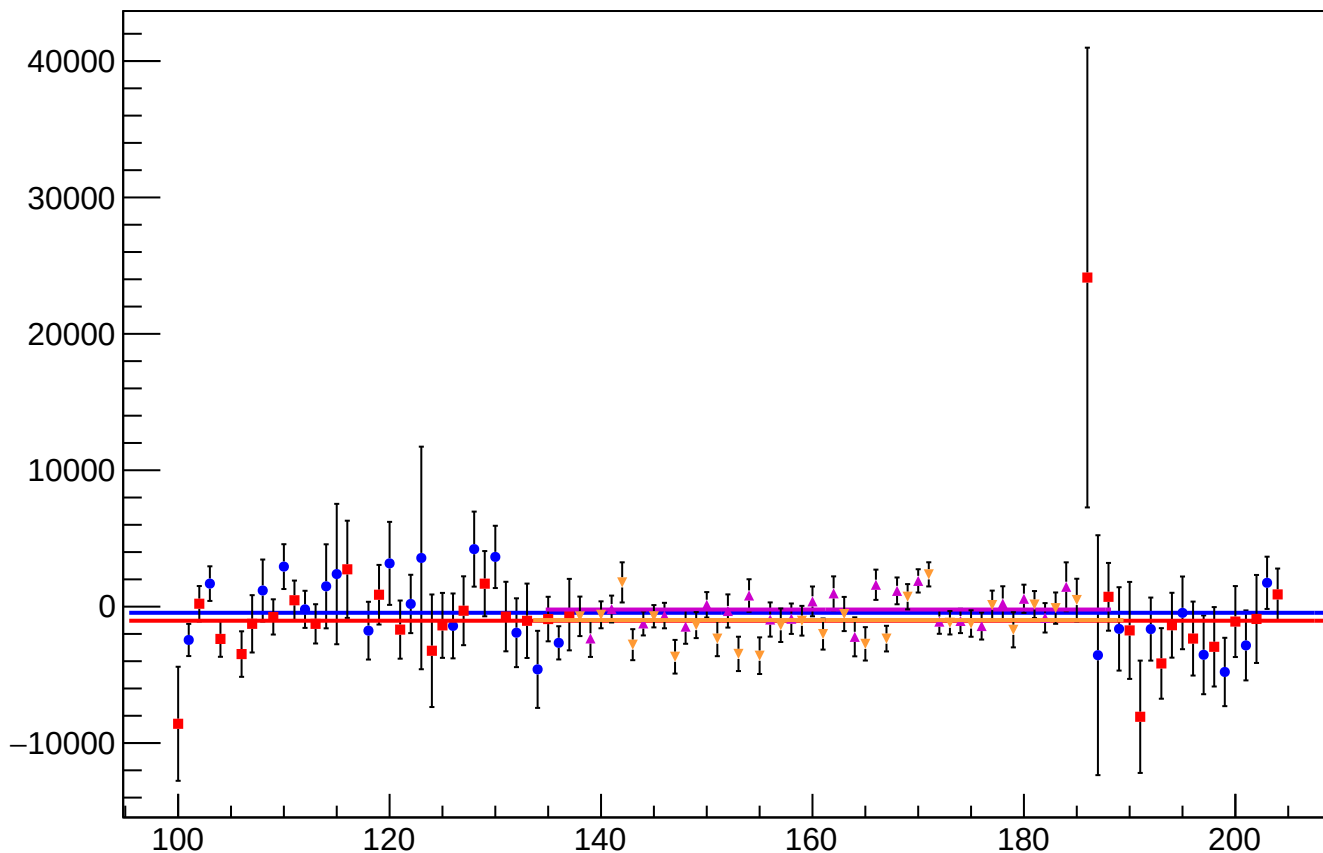
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 124.902 $\pm$ 0.016 χ^2 /NDF: 1887884.4/49

All: 124.980 $\pm$ 0.011 χ^2 /NDF: 4590777.9/102

- sign 125.057 $\pm$ 0.016 χ^2 /NDF: 2702847.5/52

asym_sam_48_dd_correction_mean vs Slug



Right In: -450.457 ± 416.609 χ^2/NDF : 32.2/24

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1032.436 ± 387.178 χ^2/NDF : 21.1/29

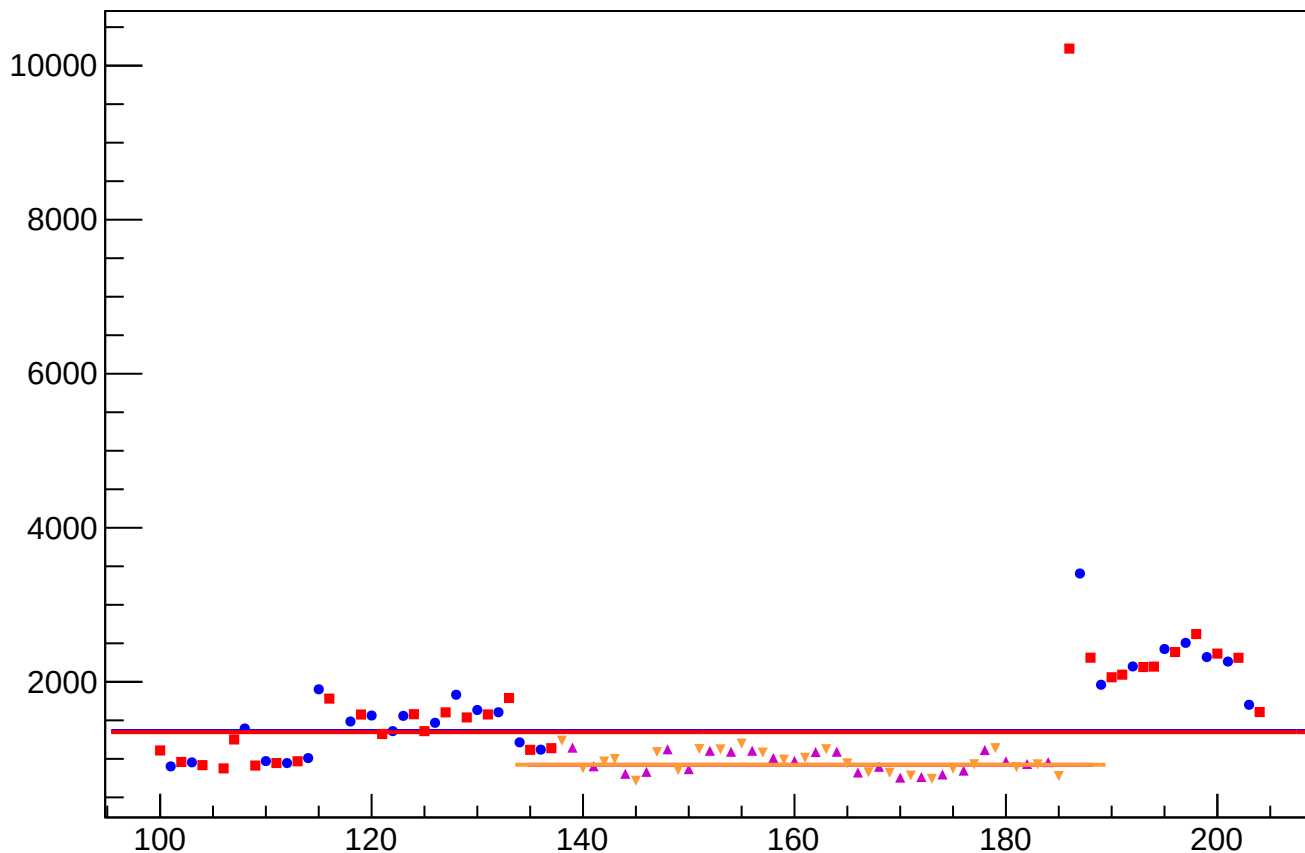
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -868.383 ± 193.169 χ^2/NDF : 80.7/49

All: -642.671 ± 136.684 χ^2/NDF : 133.6/102

- sign -416.342 ± 193.432 χ^2/NDF : 50.1/52

asym_sam_48_dd_correction_rms vs Slug



Right In: 1360.932 $\pm$ 0.295 χ^2 /NDF: 2754474.4/24

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

Right Out: 1346.725 $\pm$ 0.274 χ^2 /NDF: 3966521.8/29

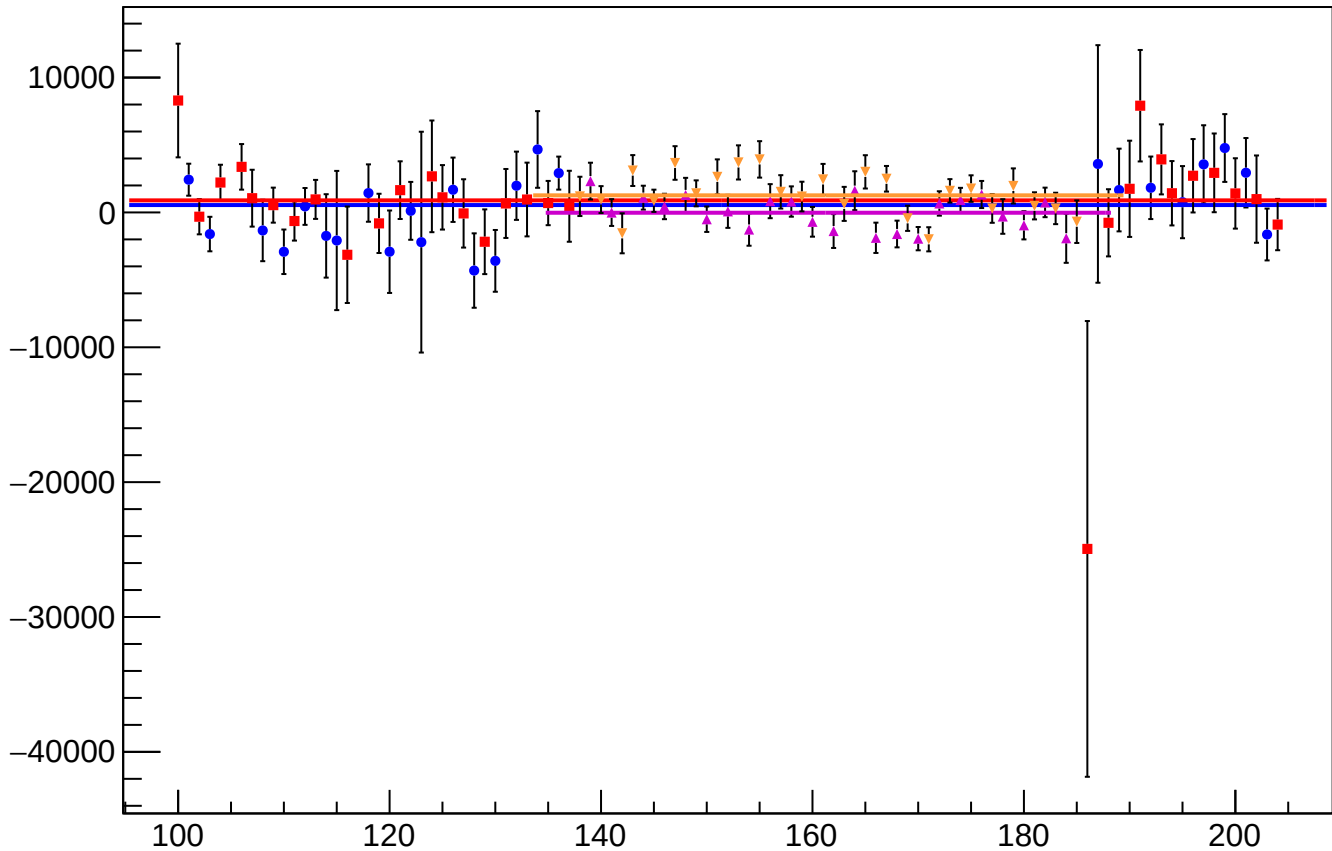
Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

+ sign 1017.611 $\pm$ 0.137 χ^2 /NDF: 5327441.6/49

All: 1022.895 $\pm$ 0.097 χ^2 /NDF: 11735594.2/100

- sign 1028.193 $\pm$ 0.137 χ^2 /NDF: 6405155.4/52

asym_sam_48_dd_mean vs Slug



Right In: 546.493 $\pm$ 418.513 χ^2 /NDF: 32.3/24

Left Out: 1267.344 $\pm$ 220.133 χ^2 /NDF:44.9/24

Right Out: 894.114 $\pm$ 389.103 χ^2 /NDF: 21.4/29

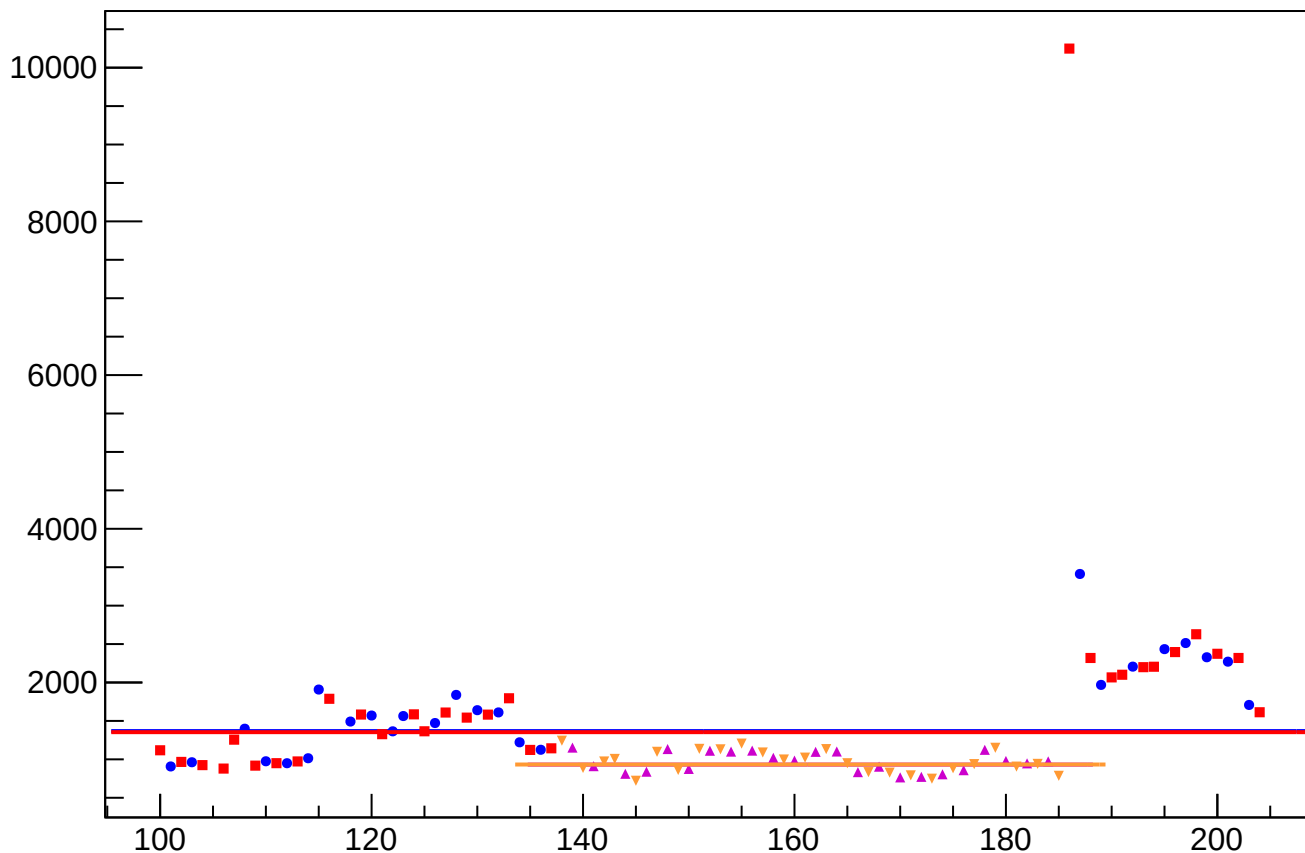
Left In: -23.478 $\pm$ 225.490 χ^2 /NDF:27.2/22

+ sign 1111.129 $\pm$ 194.826 χ^2 /NDF: 79.5/49

All: 659.798 $\pm$ 137.859 χ^2 /NDF: 142.9/102

- sign 207.210 $\pm$ 195.097 χ^2 /NDF: 52.7/52

asym_sam_48_dd_rms vs Slug



Right In: 1367.686+/-0.296 χ^2/NDF : 2739038.6/24

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1353.789+/-0.275 χ^2/NDF : 3945844.3/29

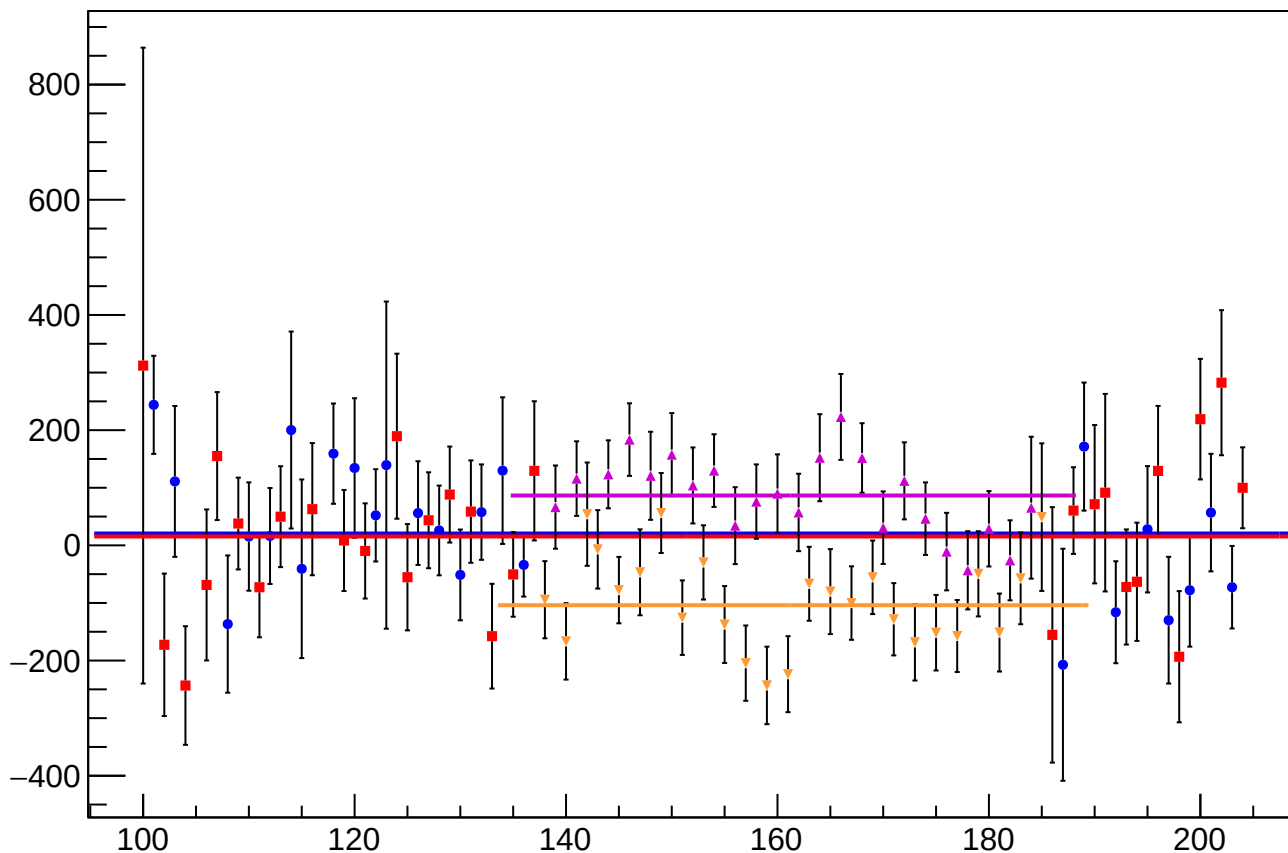
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1027.015+/-0.138 χ^2/NDF : 5260672.4/49

All: 1032.330+/-0.097 χ^2/NDF : 11597464.6/100

- sign 1037.660+/-0.138 χ^2/NDF : 6333811.2/52

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 20.571 ± 19.072 χ^2/NDF : 27.2/24

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: 15.439 ± 18.191 χ^2/NDF : 37.7/29

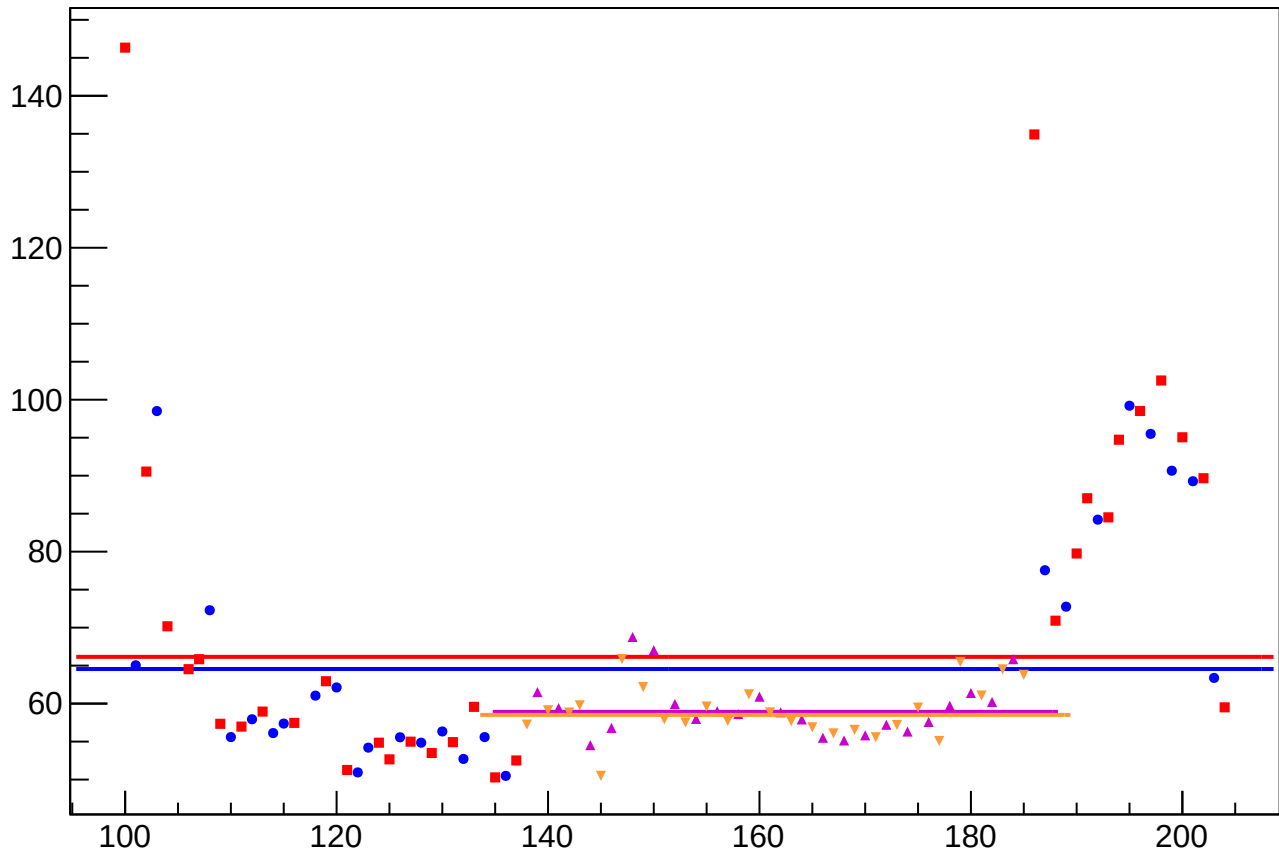
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -61.769 ± 11.096 χ^2/NDF : 85.4/49

All: -1.299 ± 7.866 χ^2/NDF : 213.7/102

- sign 59.810 ± 11.154 χ^2/NDF : 68.6/52

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.551 $\pm$ 0.013 χ^2 /NDF: 1237197.4/24

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 66.153 $\pm$ 0.013 χ^2 /NDF: 1641912.8/29

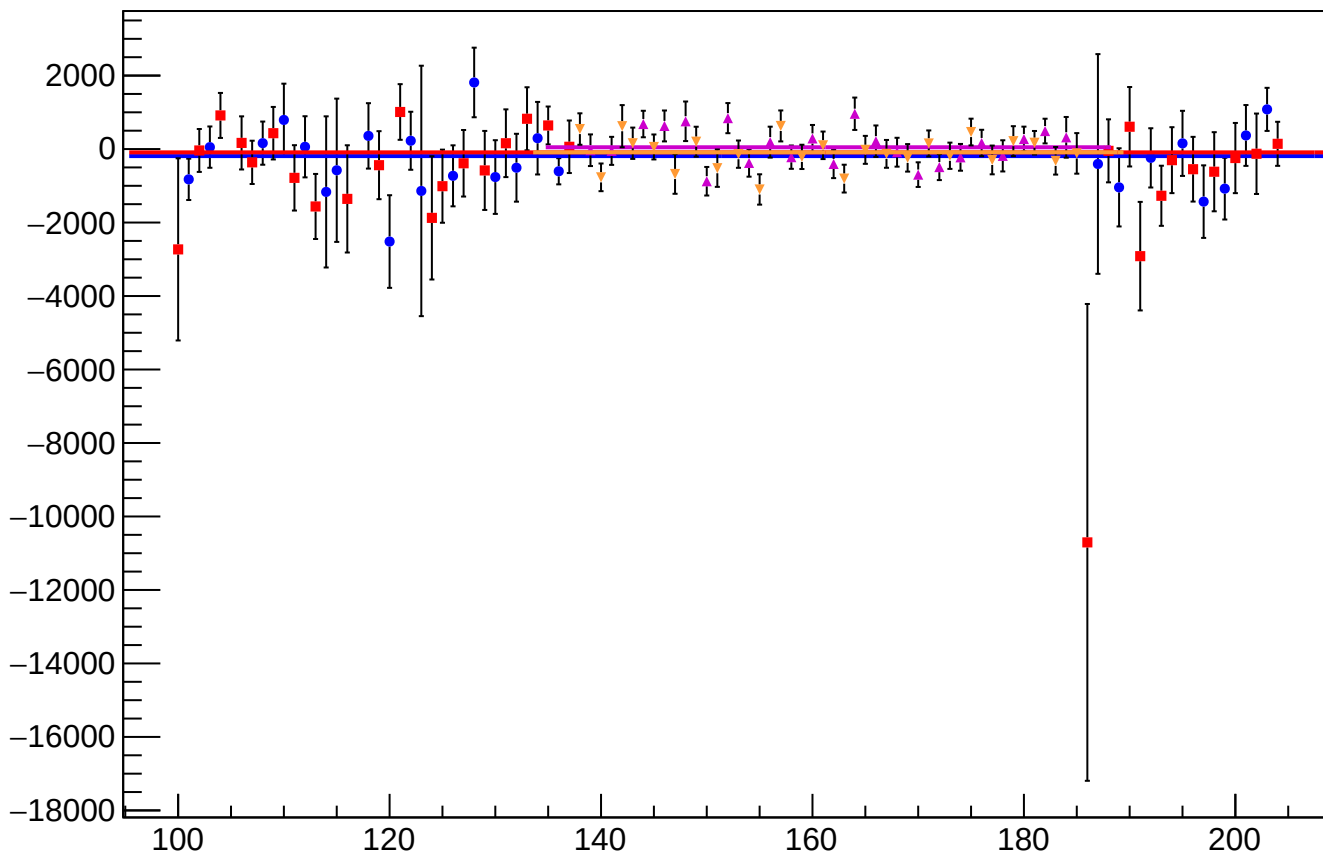
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 60.557 $\pm$ 0.008 χ^2 /NDF: 1493034.8/49

All: 61.093 $\pm$ 0.006 χ^2 /NDF: 3451965.4/102

- sign 61.635 $\pm$ 0.008 χ^2 /NDF: 1949533.8/52

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -191.348 ± 158.068 χ^2/NDF : 22.9/24

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -89.805 ± 153.506 χ^2/NDF : 26.2/29

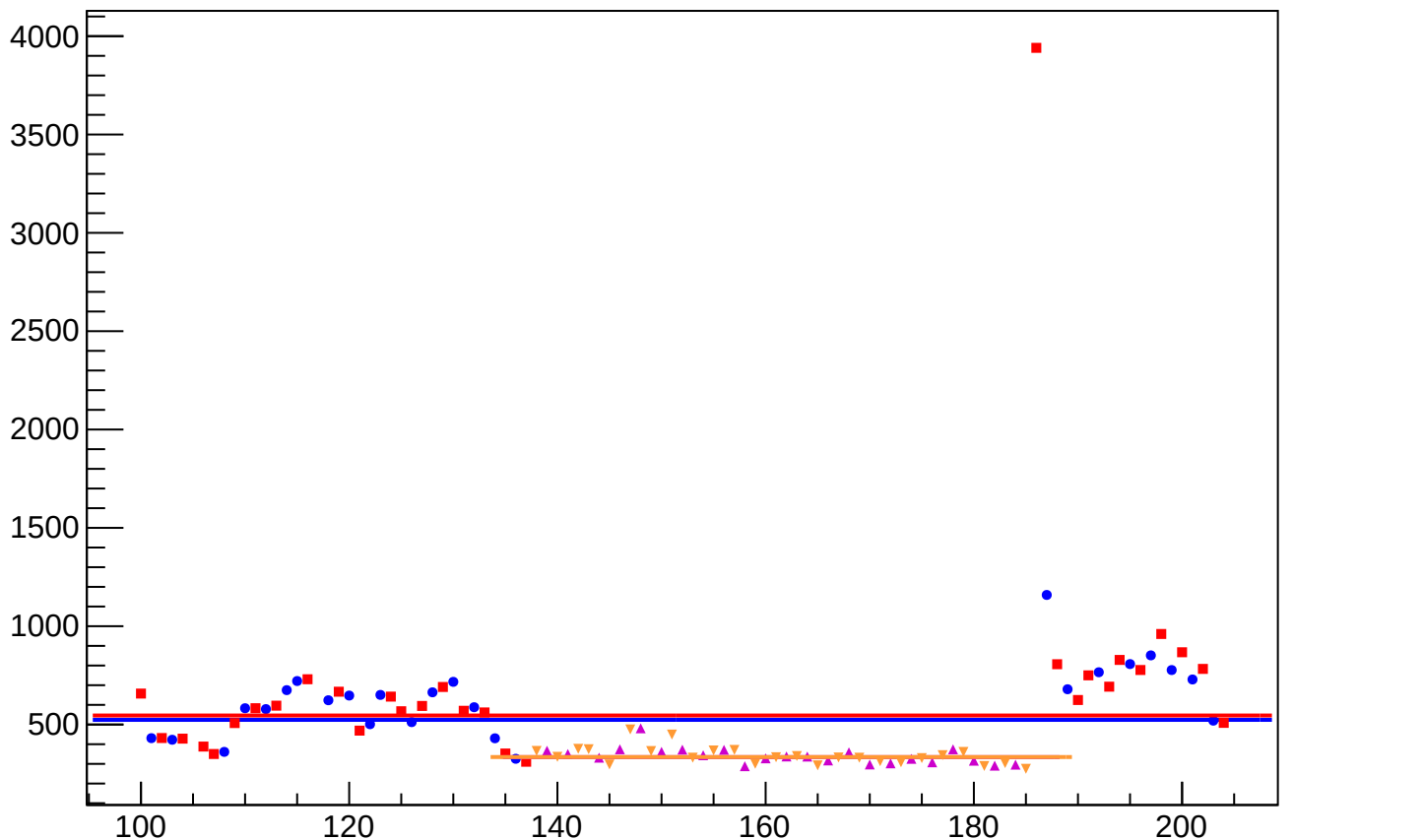
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -108.036 ± 70.348 χ^2/NDF : 51.0/49

All: -45.477 ± 50.085 χ^2/NDF : 114.8/102

- sign 18.831 ± 71.325 χ^2/NDF : 62.2/52

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 523.723+/-0.112 χ^2/NDF : 2175678.1/24

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

Right Out: 545.973+/-0.109 χ^2/NDF : 2928804.6/29

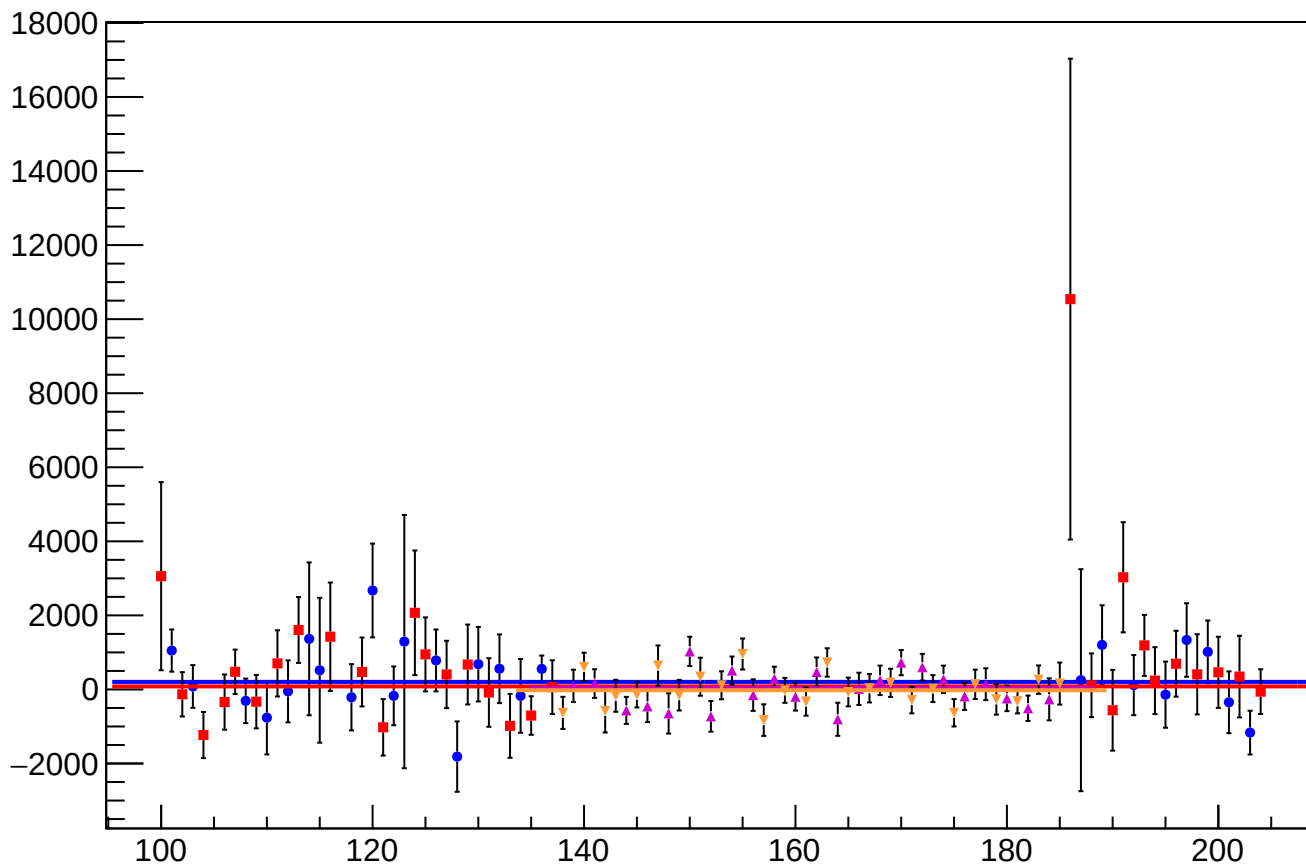
Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

+ sign 372.179+/-0.050 χ^2/NDF : 4959431.1/49

All: 375.975+/-0.035 χ^2/NDF : 11283424.5/10

- sign 379.878+/-0.050 χ^2/NDF : 6312180.6/52

asym_sam_13_57_dd_mean vs Slug



Right In: 204.540 $\pm$ 159.742 χ^2 /NDF: 24.2/24

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 82.358 $\pm$ 155.157 χ^2 /NDF: 29.5/29

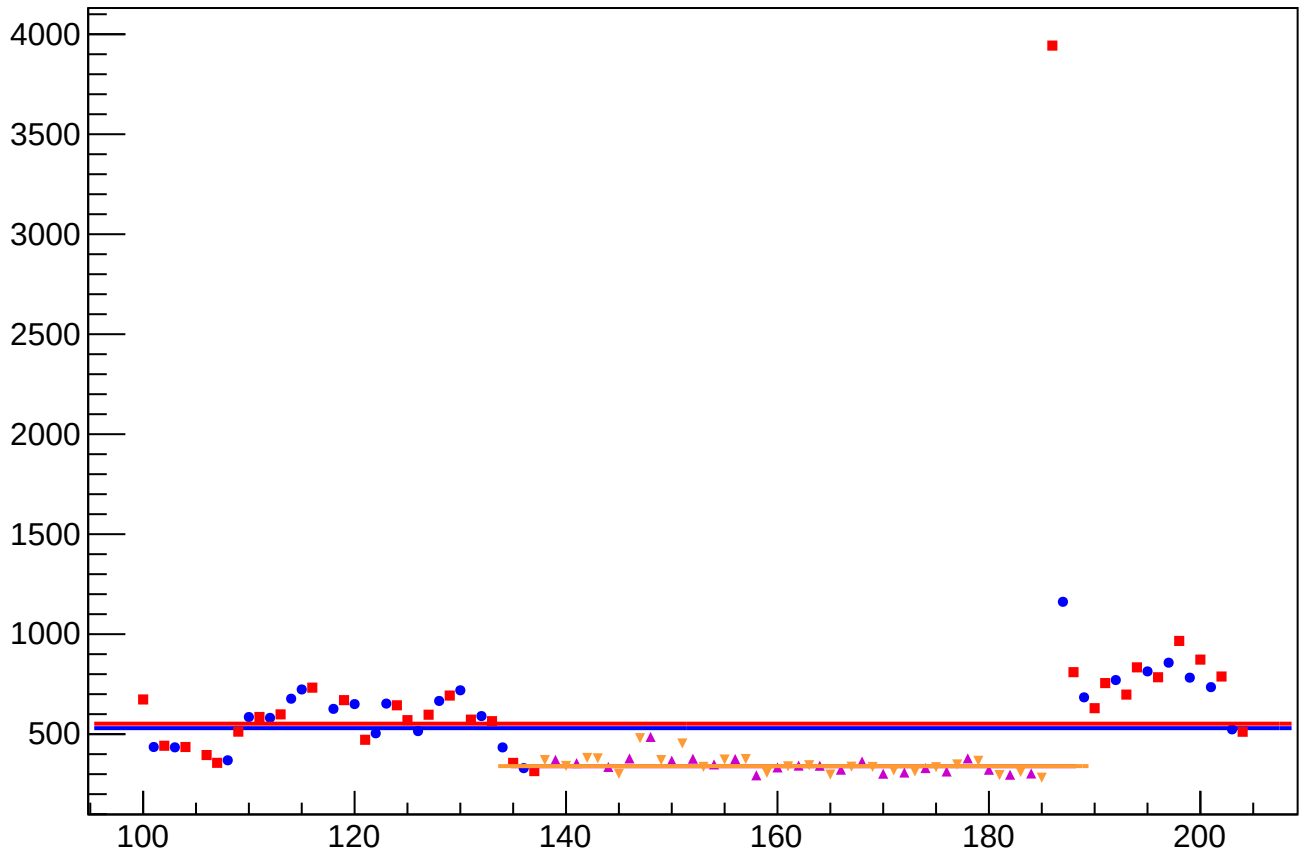
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 24.138 $\pm$ 71.396 χ^2 /NDF: 53.0/49

All: 33.343 $\pm$ 50.832 χ^2 /NDF: 116.7/102

- sign 42.804 $\pm$ 72.387 χ^2 /NDF: 63.6/52

asym_sam_13_57_dd_rms vs Slug



Right In: 529.971+/-0.113 χ^2/NDF : 2120724.9/24

Left Out: 340.238+/-0.056 χ^2/NDF : 468863.6/24

Right Out: 552.430+/-0.110 χ^2/NDF : 2867441.5/29

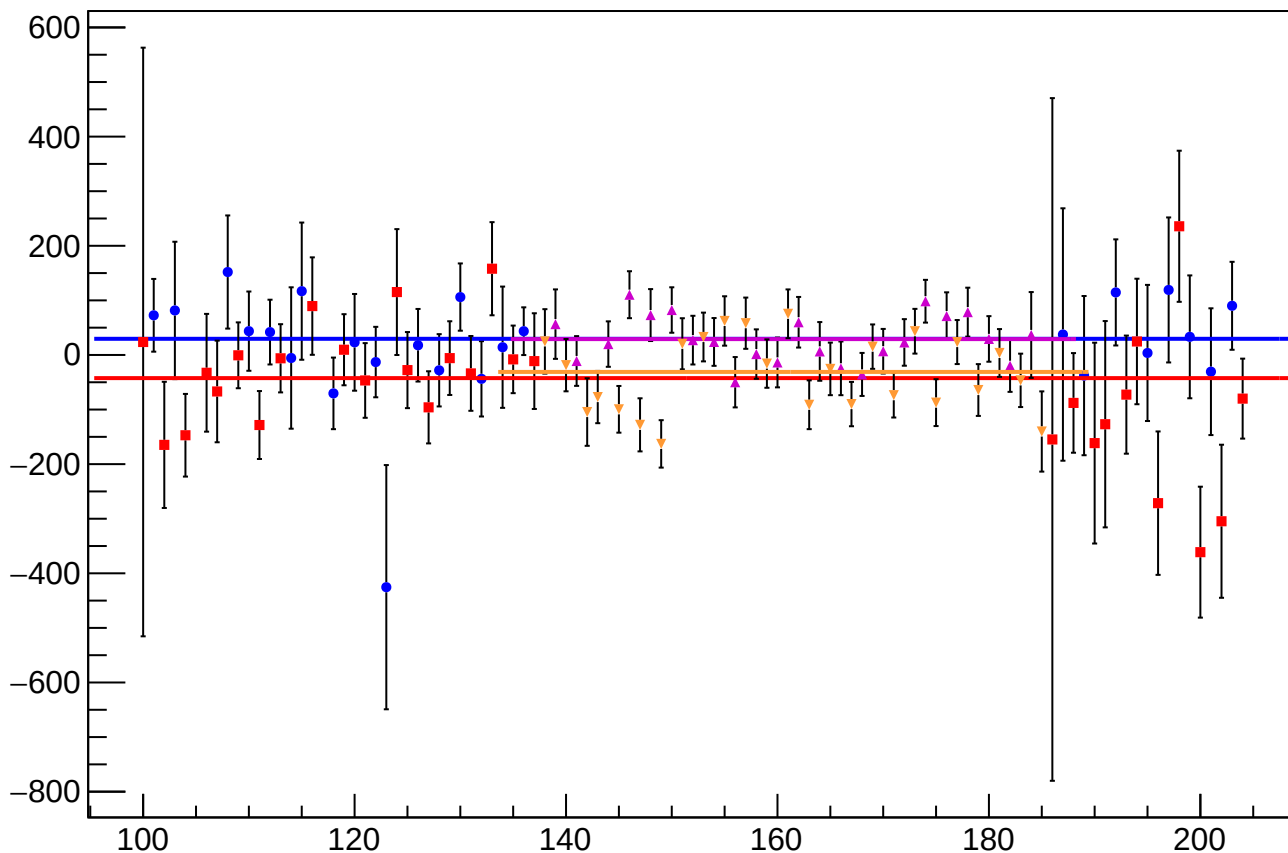
Left In: 339.621+/-0.058 χ^2/NDF : 379808.1/22

+ sign 378.139+/-0.050 χ^2/NDF : 4847437.6/49

All: 381.986+/-0.036 χ^2/NDF : 11049937.2/10

- sign 385.941+/-0.051 χ^2/NDF : 6190723.5/52

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 29.609 $\pm$ 16.372 χ^2 /NDF: 15.4/24

Left Out: -31.063 $\pm$ 9.170 χ^2 /NDF: 52.6/24

Right Out: -42.417 $\pm$ 15.718 χ^2 /NDF: 36.7/29

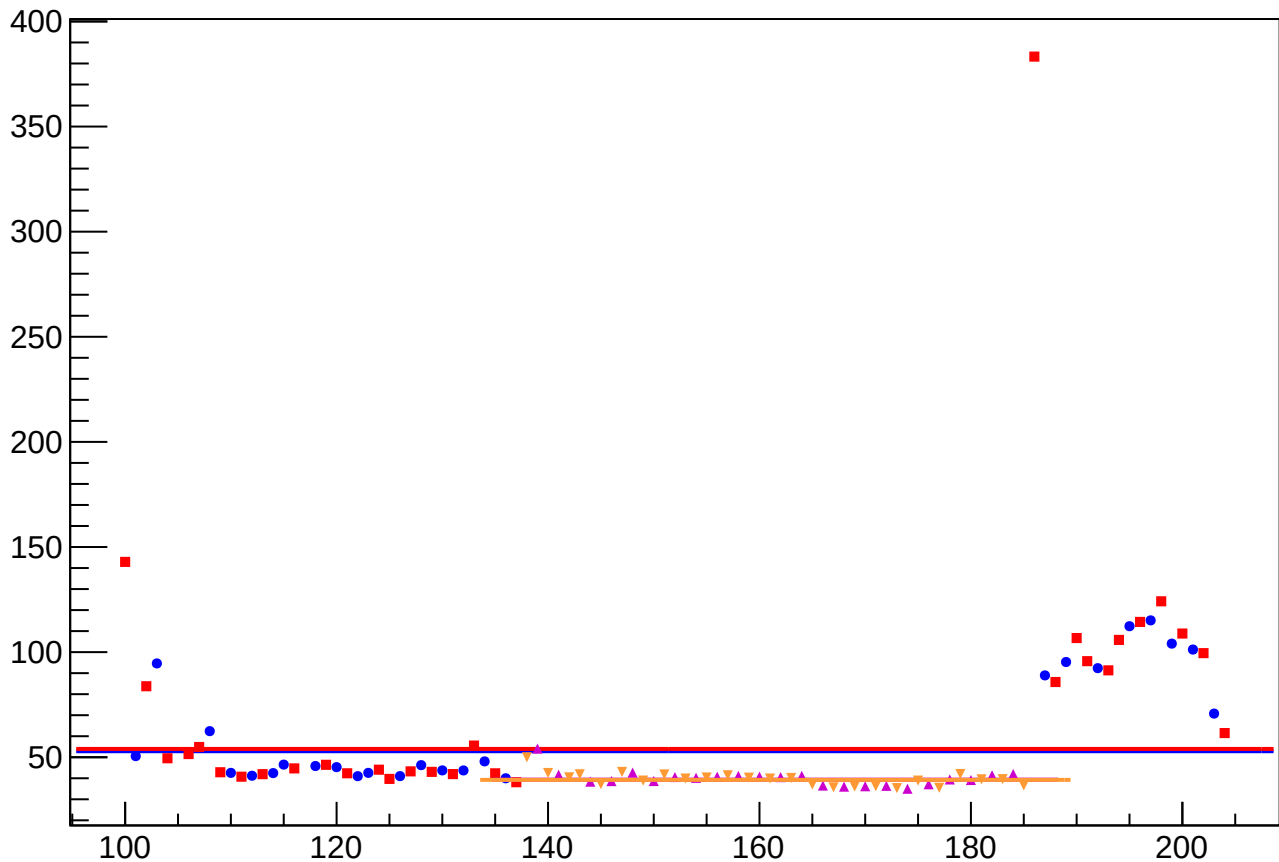
Left In: 29.055 $\pm$ 9.449 χ^2 /NDF: 22.4/22

+ sign -16.575 $\pm$ 8.000 χ^2 /NDF: 78.5/49

All: -3.410 $\pm$ 5.692 χ^2 /NDF: 158.3/102

- sign 10.082 $\pm$ 8.099 χ^2 /NDF: 74.4/52

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 52.865 $\pm$ 0.012 χ^2 /NDF: 3126740.1/24

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 53.953 $\pm$ 0.011 χ^2 /NDF: 4227970.4/29

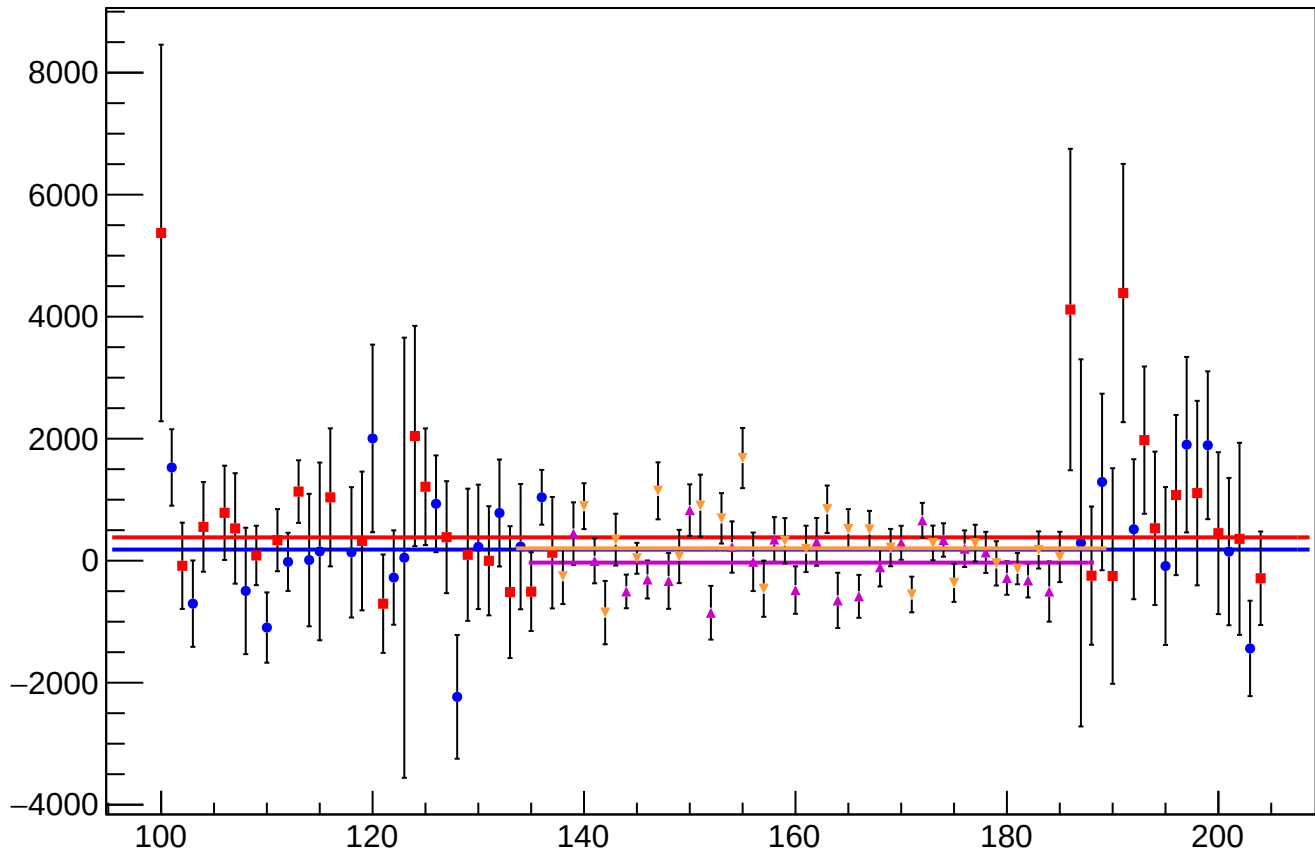
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 42.490 $\pm$ 0.006 χ^2 /NDF: 4383811.6/49

All: 42.849 $\pm$ 0.004 χ^2 /NDF: 10105589.8/102

- sign 43.218 $\pm$ 0.006 χ^2 /NDF: 5713591.6/52

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 182.457 ± 173.003 χ^2/NDF : 32.6/24

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 382.537 ± 163.414 χ^2/NDF : 21.7/29

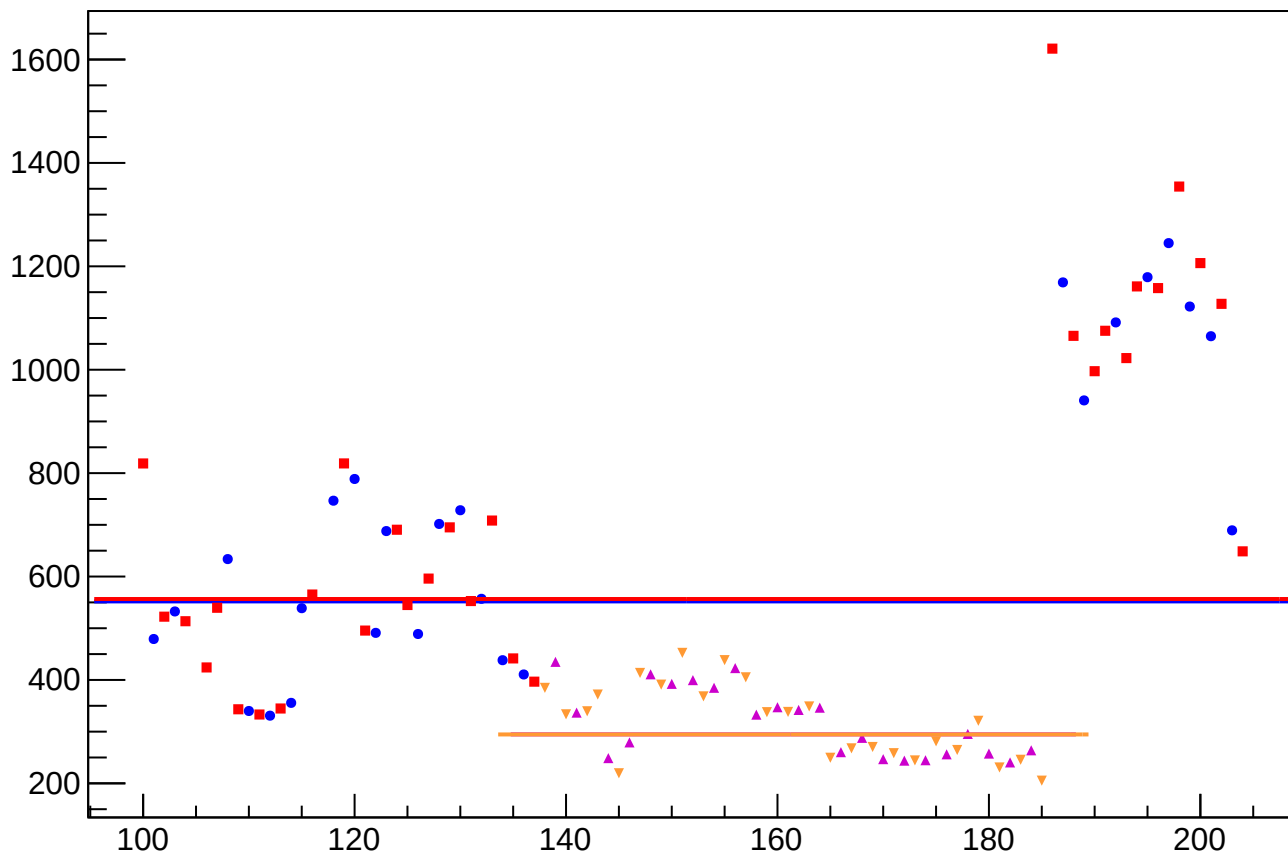
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 199.539 ± 65.228 χ^2/NDF : 77.4/49

All: 118.650 ± 46.382 χ^2/NDF : 140.9/102

- sign 35.926 ± 65.965 χ^2/NDF : 60.4/52

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 551.909+/-0.122 χ^2/NDF : 3744083.5/24

Left Out: 294.591+/-0.050 χ^2/NDF :1680474.5/24

Right Out: 556.528+/-0.116 χ^2/NDF : 5008083.0/29

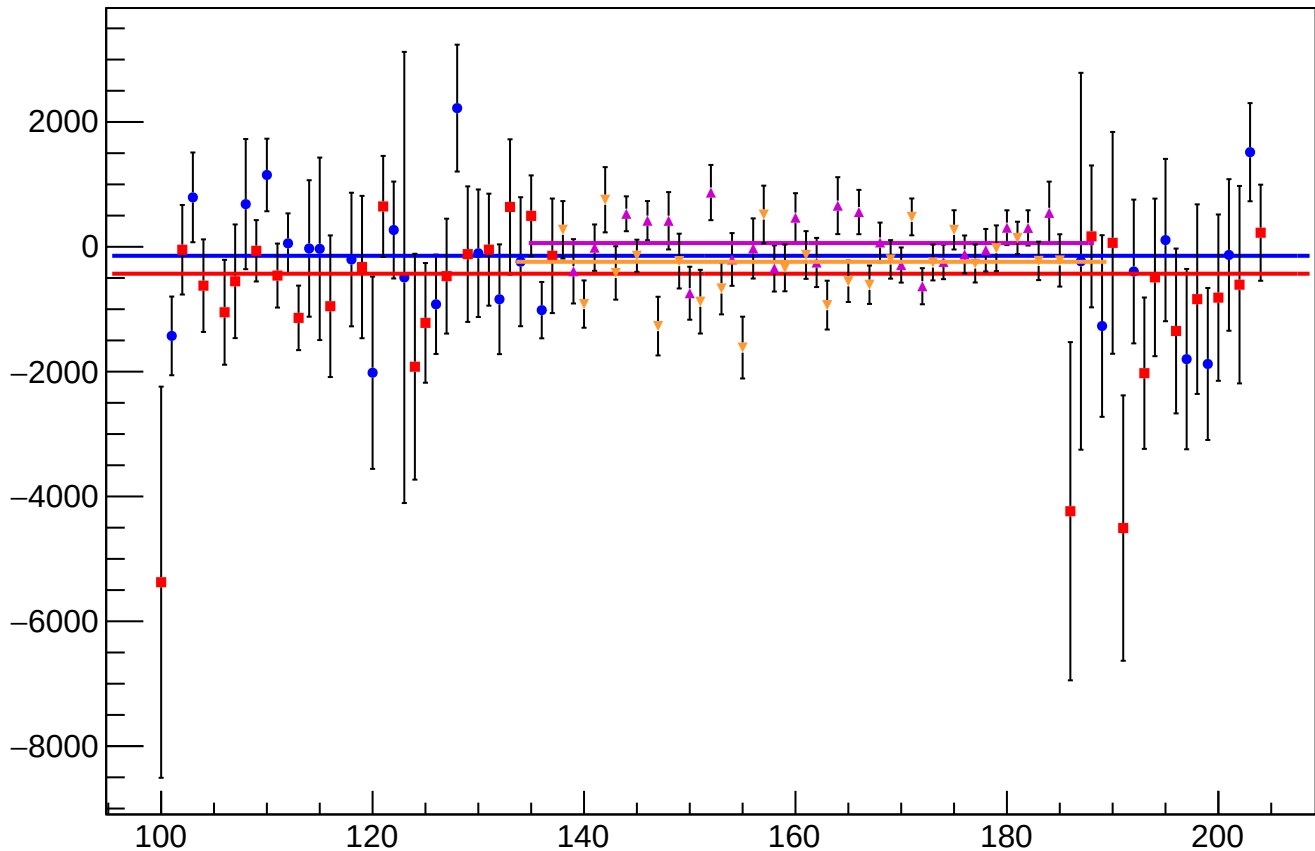
Left In: 294.722+/-0.051 χ^2/NDF :1297310.3/22

+ sign 331.171+/-0.046 χ^2/NDF : 9220064.8/49

All: 334.242+/-0.033 χ^2/NDF : 19831413.2/10

- sign 337.382+/-0.047 χ^2/NDF : 10602381.8/52

asym_sam_15_37_dd_mean vs Slug



Right In: -144.063 ± 174.039 χ^2/NDF : 32.6/24

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -431.165 ± 164.972 χ^2/NDF : 21.7/29

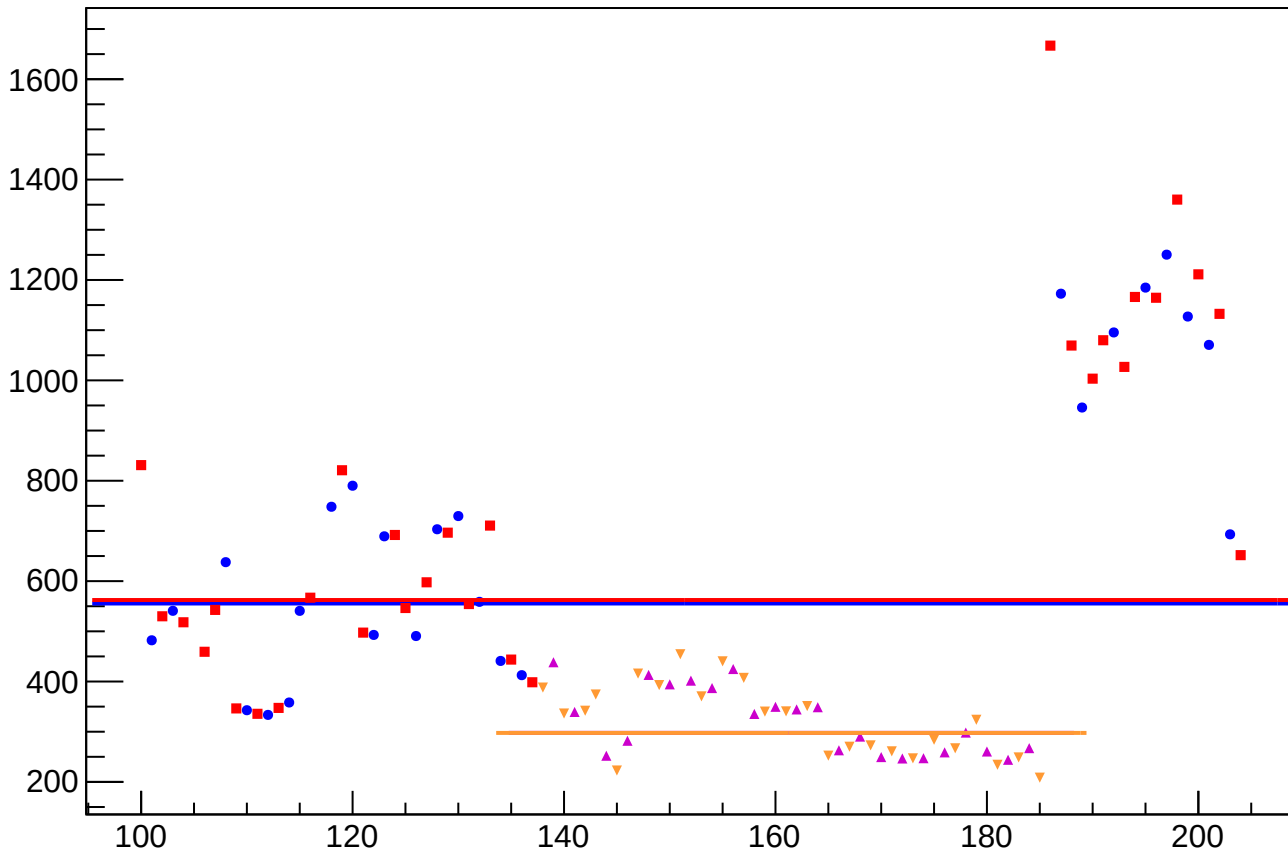
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -226.584 ± 65.820 χ^2/NDF : 75.8/49

All: -124.381 ± 46.813 χ^2/NDF : 140.7/102

- sign -19.759 ± 66.594 χ^2/NDF : 60.0/52

asym_sam_15_37_dd_rms vs Slug



Right In: 555.475 $\pm$ 0.123 χ^2 /NDF: 3726161.8/24

Left Out: 297.613+/-0.050 χ^2/NDF :1637757.8/24

Right Out: 562.364+/-0.117 χ^2/NDF : 4960477.8/29

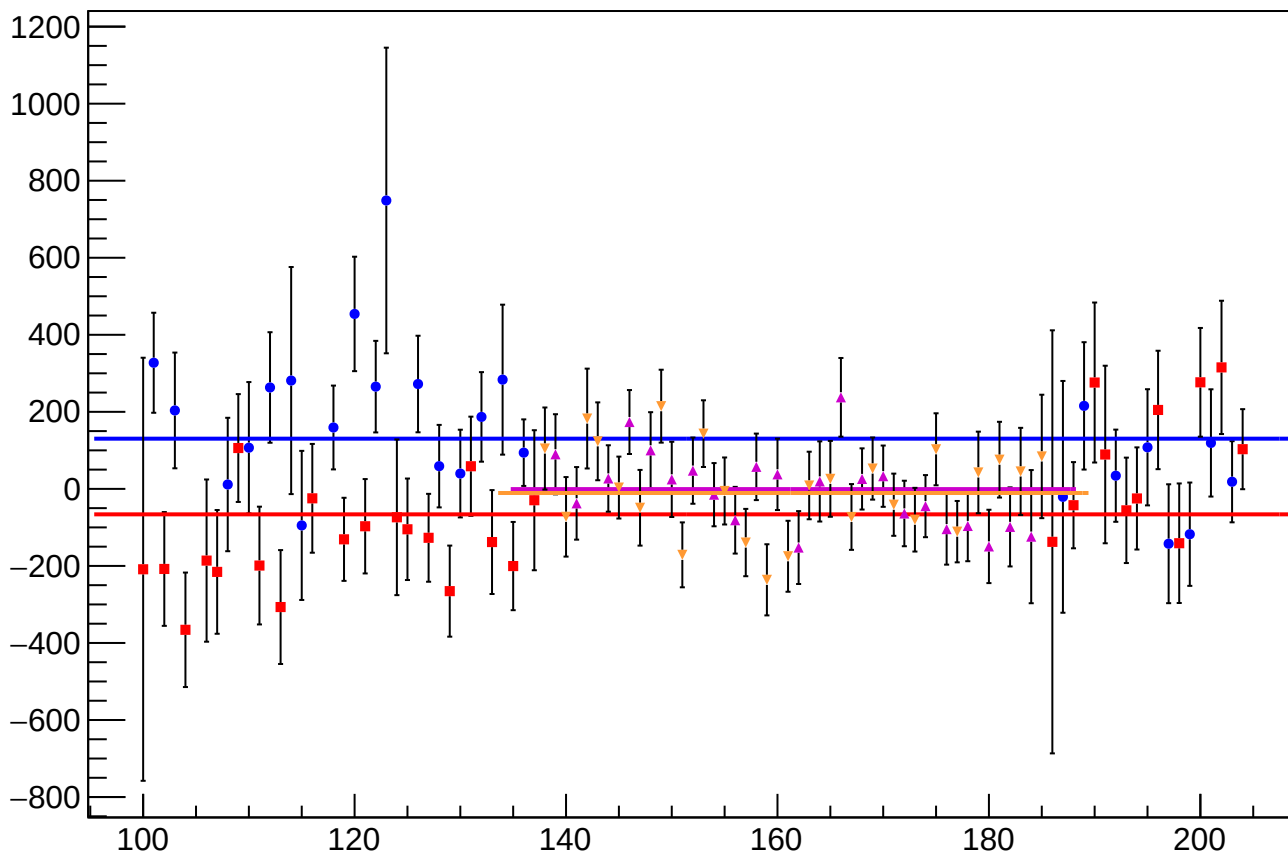
Left In: 297.699+/-0.051 χ^2/NDF :1266306.2/22

+ sign 334.494+/-0.047 χ^2/NDF : 9126417.9/49

All: 337.623 ± 0.033 χ^2/NDF : 19671117.4/10

- sign 340.826 $\pm$ 0.047 χ^2 /NDF: 10535552.6/52

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 130.338 $\pm$ 27.437 χ^2 /NDF: 26.3/24

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -66.120 $\pm$ 26.298 χ^2 /NDF: 37.6/29

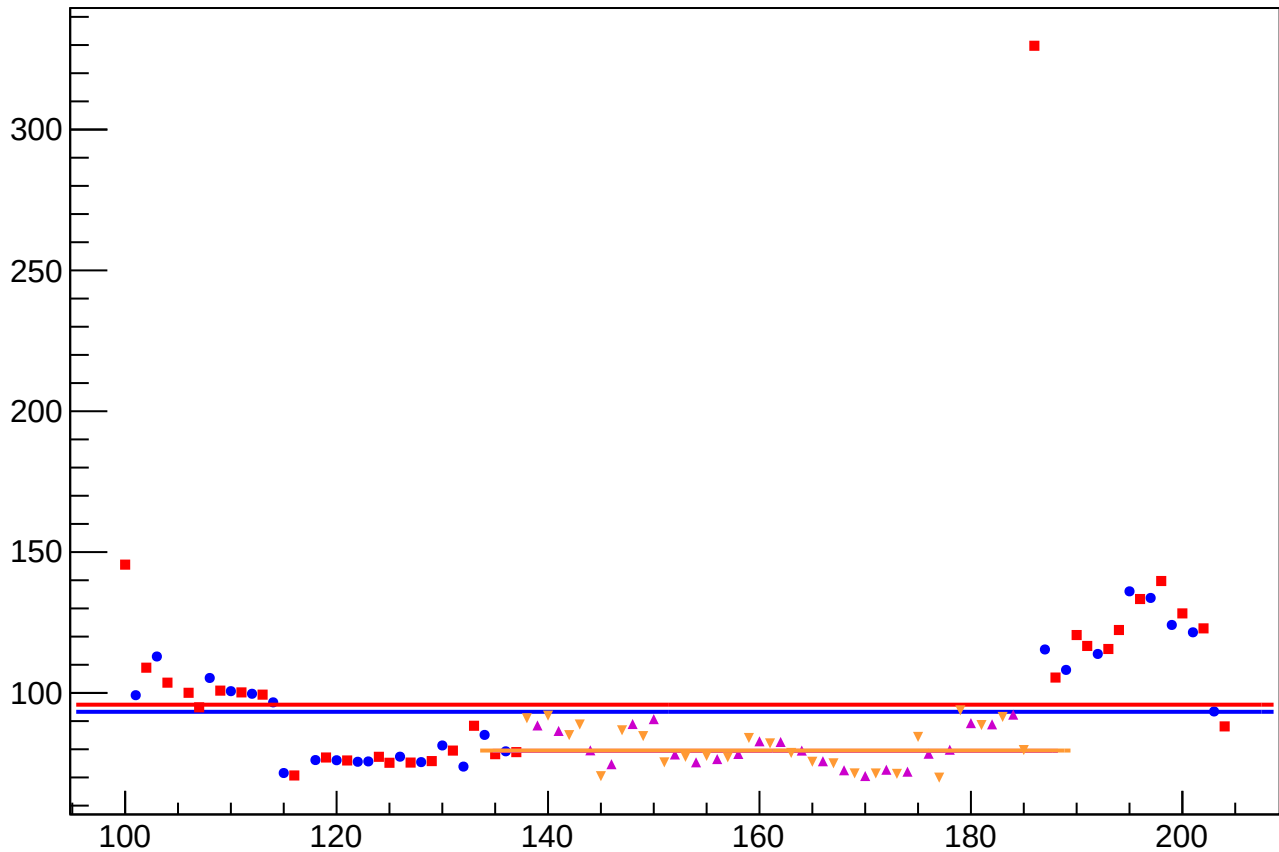
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 33.763 $\pm$ 15.401 χ^2 /NDF: 80.7/49

All: 5.372 $\pm$ 10.907 χ^2 /NDF: 153.0/102

- sign -23.197 $\pm$ 15.449 χ^2 /NDF: 65.5/52

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 93.304+/-0.019 χ^2/NDF : 1000023.9/24

Left Out: 79.551+/-0.013 χ^2/NDF : 309075.2/24

Right Out: 95.831+/-0.019 χ^2/NDF : 1499236.6/29

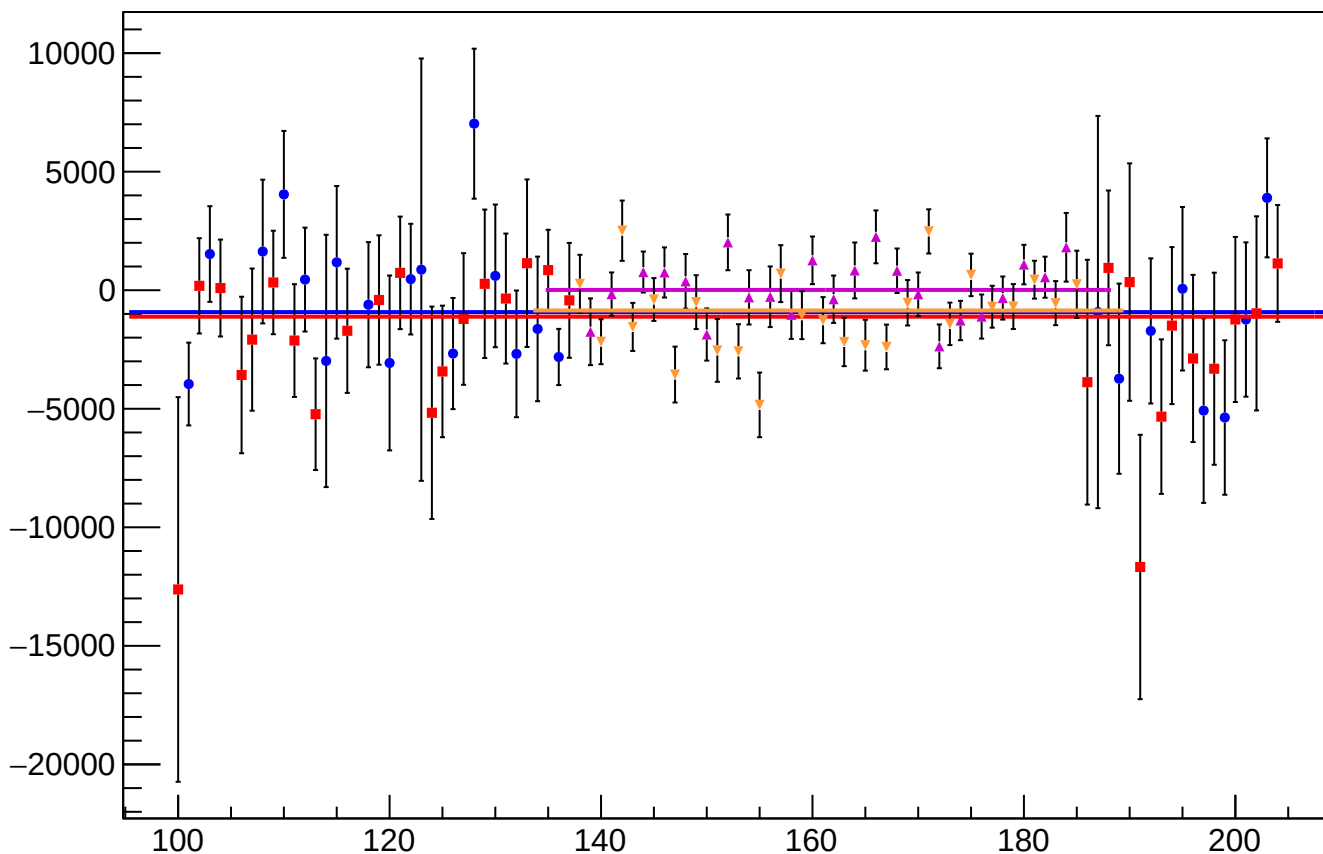
Left In: 79.436+/-0.013 χ^2/NDF : 212440.1/22

+ sign 83.884+/-0.011 χ^2/NDF : 1653265.7/49

All: 84.488+/-0.008 χ^2/NDF : 3880135.8/102

- sign 85.095+/-0.011 χ^2/NDF : 2220712.8/52

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -923.303 ± 526.453 χ^2/NDF : 27.9/24

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1116.586 ± 519.309 χ^2/NDF : 18.9/29

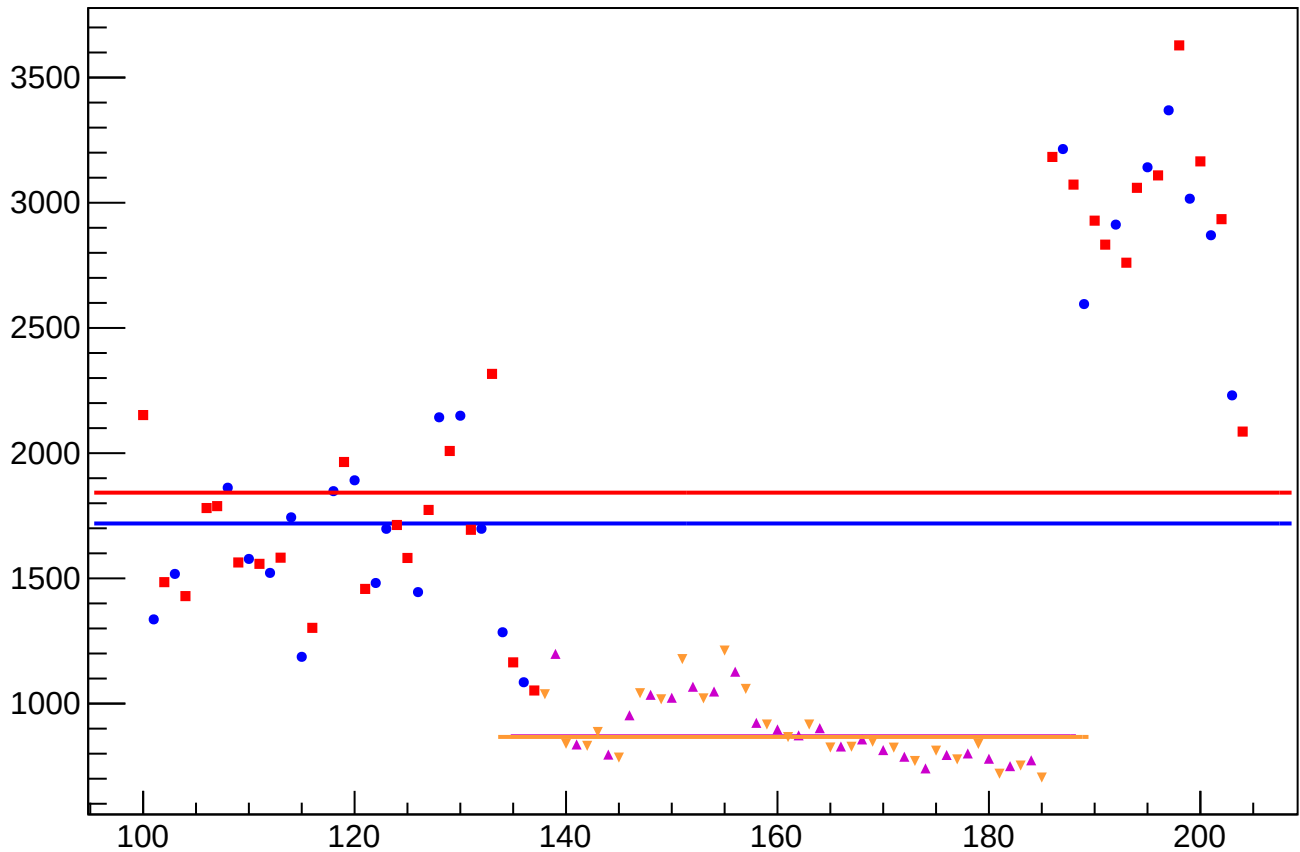
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -863.167 ± 190.291 χ^2/NDF : 83.9/49

All: -513.352 ± 136.103 χ^2/NDF : 144.9/102

- sign -146.979 ± 194.743 χ^2/NDF : 54.1/52

asym_sam_24_68_dd_correction_rms vs Slug



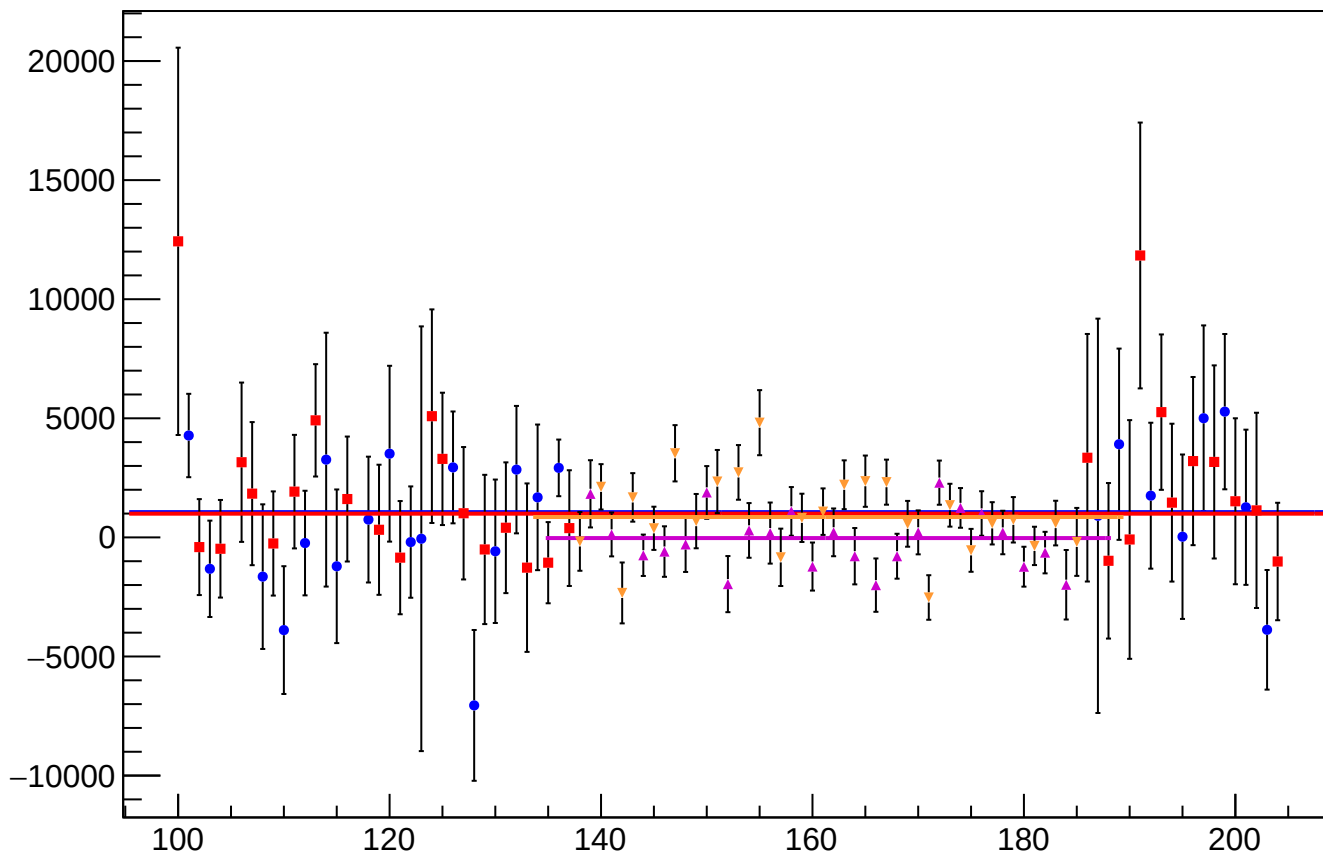
Right In: 1719.220 $\pm$ 0.372 χ^2/NDF : 2758580.4/24
 Left Out: 866.893 $\pm$ 0.144 χ^2/NDF : 661712.5/24
 Right Out: 1842.336 $\pm$ 0.367 χ^2/NDF : 3077635.4/29
 Left In: 869.569 $\pm$ 0.149 χ^2/NDF : 582301.2/22

+ sign 978.252 $\pm$ 0.135 χ^2/NDF : 7977694.7/49

All: 991.984 $\pm$ 0.096 χ^2/NDF : 17689785.0/10

- sign 1006.367 $\pm$ 0.138 χ^2/NDF : 9690766.6/52

asym_sam_24_68_dd_mean vs Slug



Right In: 1060.910 $\pm$ 527.429 χ^2 /NDF: 28.4/24

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 995.736 $\pm$ 520.342 χ^2 /NDF: 18.6/29

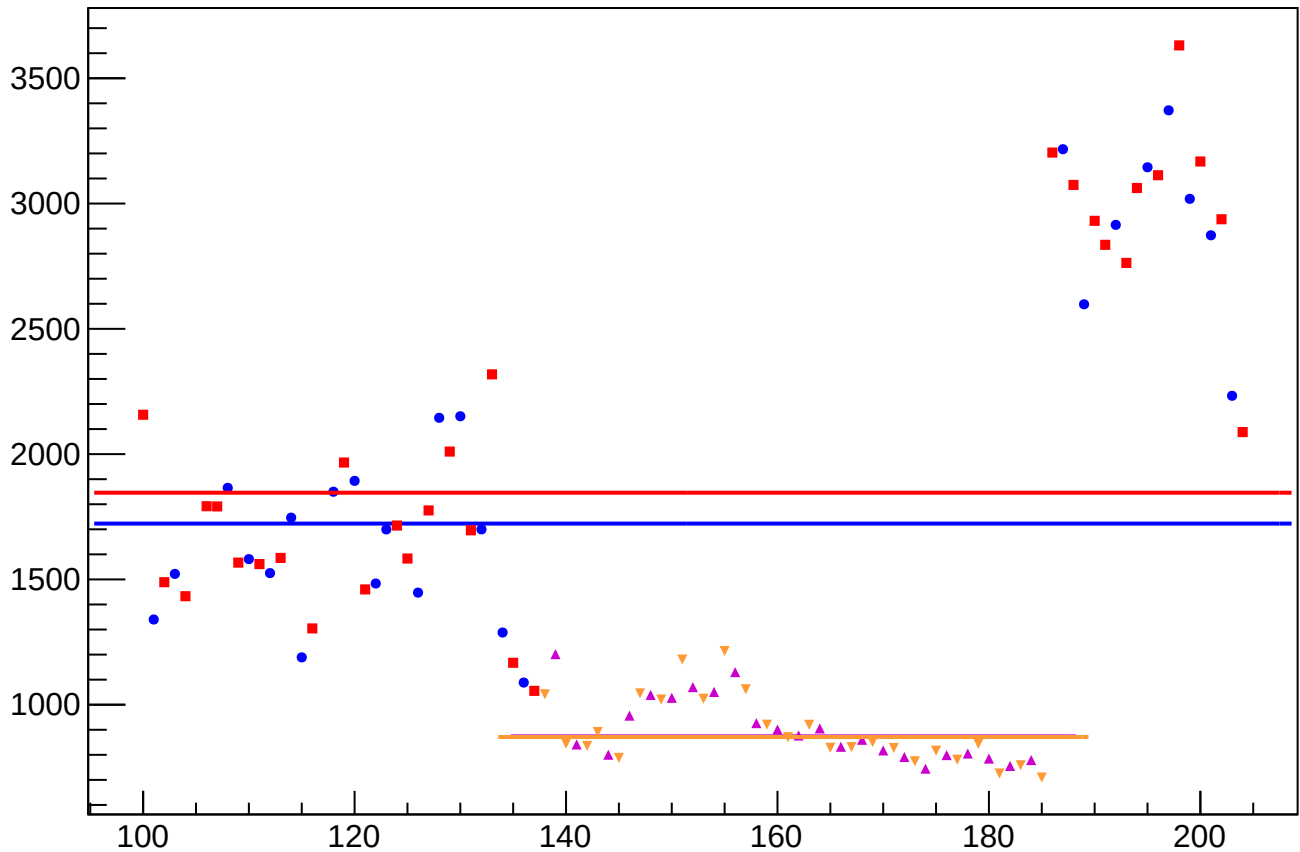
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 882.612 $\pm$ 191.112 χ^2 /NDF: 82.6/49

All: 508.190 $\pm$ 136.683 χ^2 /NDF: 142.2/102

- sign 116.129 $\pm$ 195.562 χ^2 /NDF: 51.7/52

asym_sam_24_68_dd_rms vs Slug



Right In: 1722.842 $\pm$ 0.373 χ^2/NDF : 2748520.1/24

Left Out: 871.109 $\pm$ 0.145 χ^2/NDF : 651751.1/24

Right Out: 1845.994 $\pm$ 0.368 χ^2/NDF : 3070196.1/29

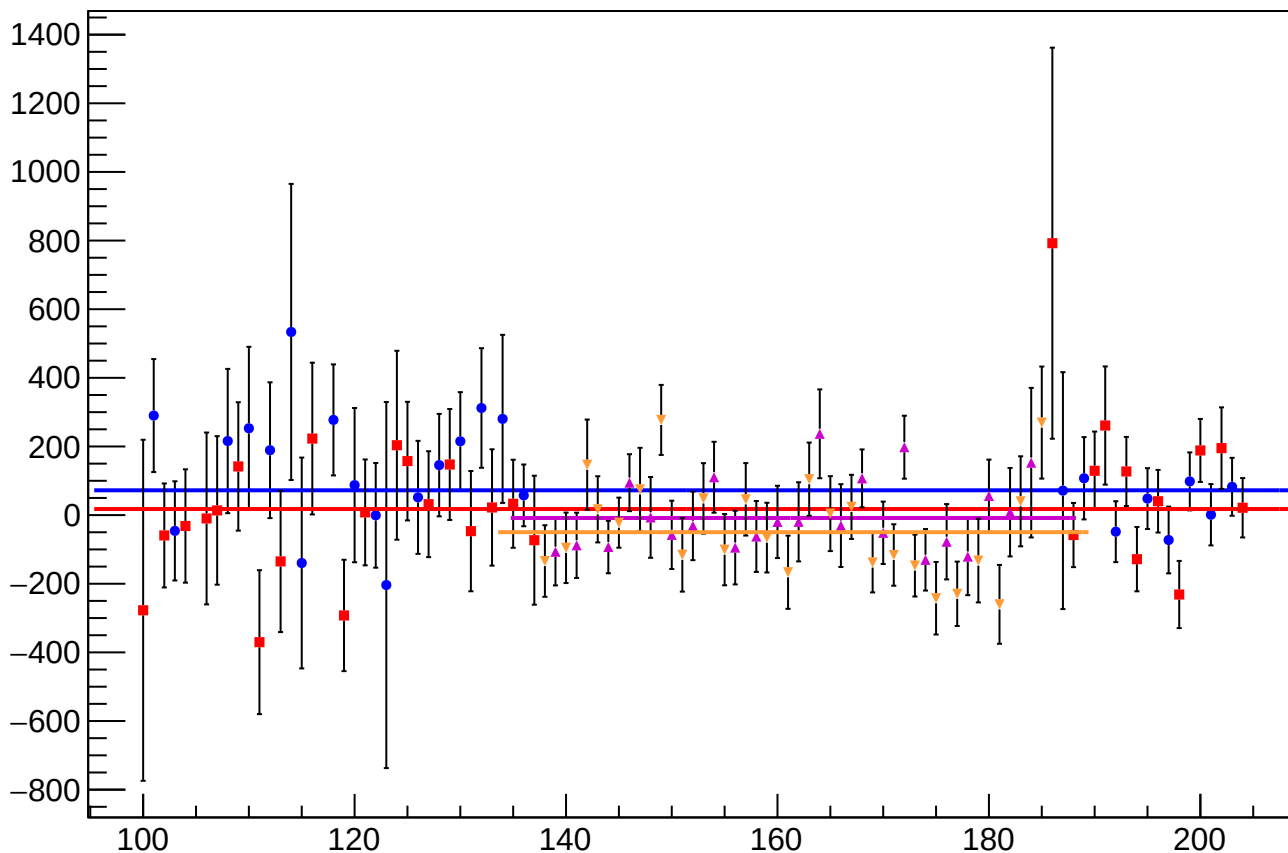
Left In: 873.675 $\pm$ 0.149 χ^2/NDF : 573822.5/22

+ sign 982.938 $\pm$ 0.135 χ^2/NDF : 7931131.2/49

All: 996.654 $\pm$ 0.097 χ^2/NDF : 17593261.5/10

- sign 1011.016 $\pm$ 0.138 χ^2/NDF : 9641041.2/52

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 72.295 ± 26.548 $\chi^2/\text{NDF}: 16.4/24$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: 17.738 ± 25.249 $\chi^2/\text{NDF}: 33.1/29$

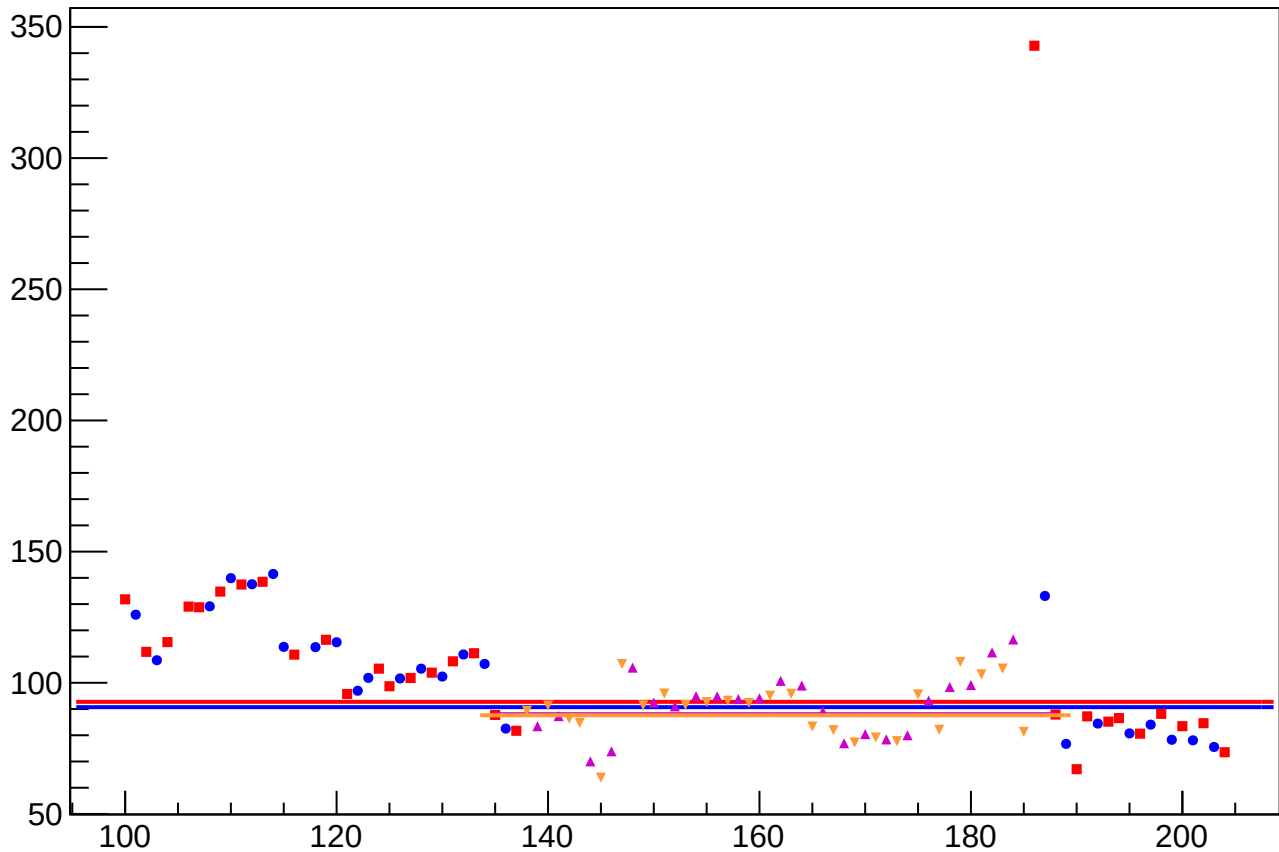
Left In: -8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

+ sign -3.917 ± 16.265 $\chi^2/\text{NDF}: 69.0/49$

All: -0.717 ± 11.502 $\chi^2/\text{NDF}: 124.8/102$

- sign 2.483 ± 16.268 $\chi^2/\text{NDF}: 55.7/52$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 90.712 $\pm$ 0.019 χ^2 /NDF: 838291.7/24

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 92.742 $\pm$ 0.018 χ^2 /NDF: 1280740.4/29

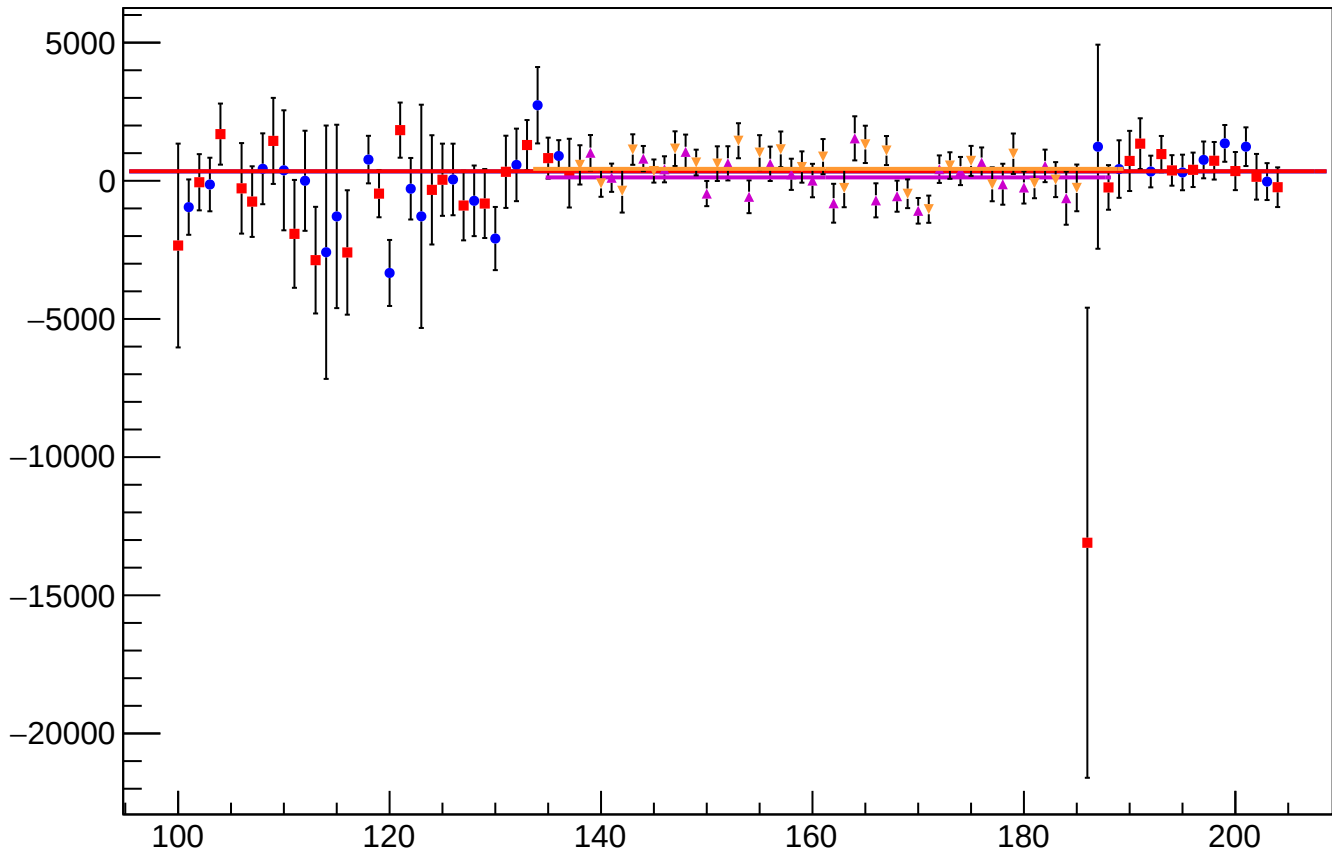
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 88.784 $\pm$ 0.012 χ^2 /NDF: 1409864.1/49

All: 89.385 $\pm$ 0.008 χ^2 /NDF: 3260481.5/102

- sign 89.987 $\pm$ 0.012 χ^2 /NDF: 1845146.5/52

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 338.400 $\pm$ 190.263 χ^2 /NDF: 26.8/24

Left Out: 431.658 $\pm$ 115.706 χ^2 /NDF:30.5/24

Right Out: 345.752 $\pm$ 176.339 χ^2 /NDF: 22.3/29

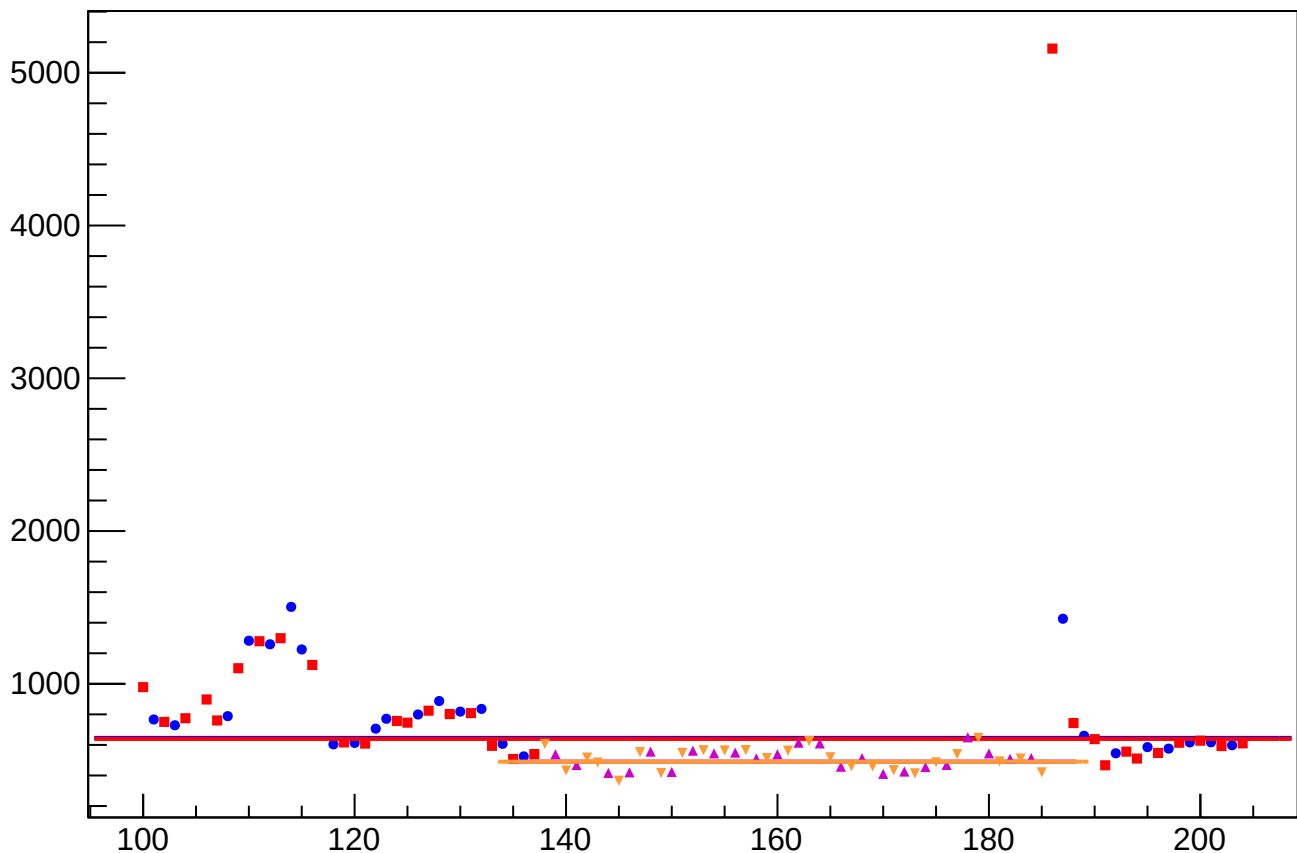
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF:29.3/22

+ sign 406.480 $\pm$ 98.860 χ^2 /NDF: 57.4/49

All: 299.204 $\pm$ 69.796 χ^2 /NDF: 112.4/102

- sign 192.591 $\pm$ 98.555 χ^2 /NDF: 52.6/52

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 646.179 ± 0.135 χ^2/NDF : 1099566.8/24

Left Out: 490.267 ± 0.082 χ^2/NDF : 750277.0/24

+ sign 532.360 ± 0.070 χ^2/NDF : 2830269.9/49

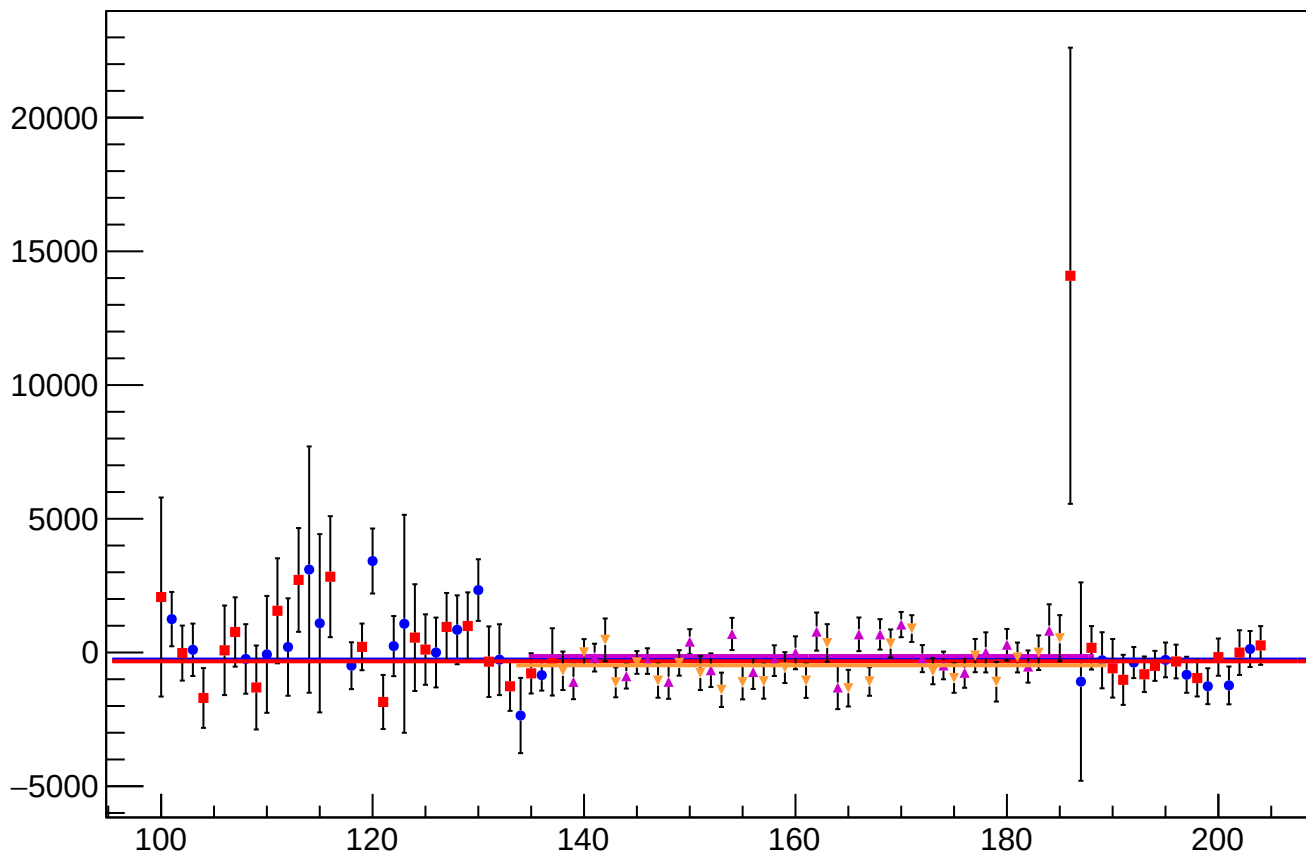
Right Out: 639.264 ± 0.125 χ^2/NDF : 1935426.6/29

All: 534.812 ± 0.049 χ^2/NDF : 6330788.6/102

- sign 537.250 ± 0.070 χ^2/NDF : 3498065.2/52

Left In: 490.910 ± 0.084 χ^2/NDF : 589235.5/22

asym_sam_26_48_dd_mean vs Slug



Right In: -263.740 ± 192.332 χ^2/NDF : 27.0/24

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -329.885 ± 178.424 χ^2/NDF : 21.2/29

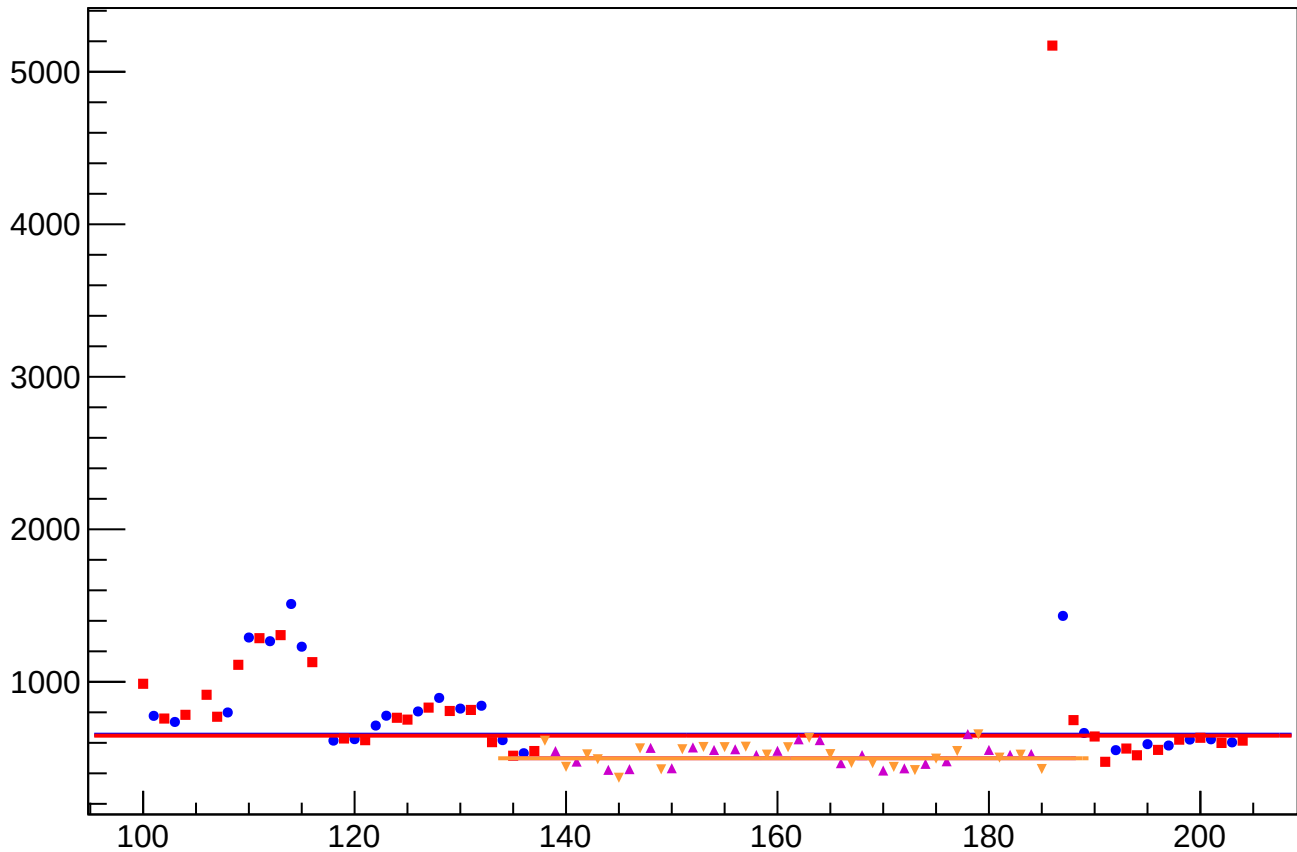
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -419.795 ± 100.368 χ^2/NDF : 55.7/49

All: -306.868 ± 70.864 χ^2/NDF : 109.8/102

- sign -194.616 ± 100.068 χ^2/NDF : 51.5/52

asym_sam_26_48_dd_rms vs Slug



Right In: 653.411+/-0.136 χ^2/NDF : 1088508.0/24

Left Out: 498.754+/-0.083 χ^2/NDF : 734302.8/24

Right Out: 647.121+/-0.126 χ^2/NDF : 1914101.4/29

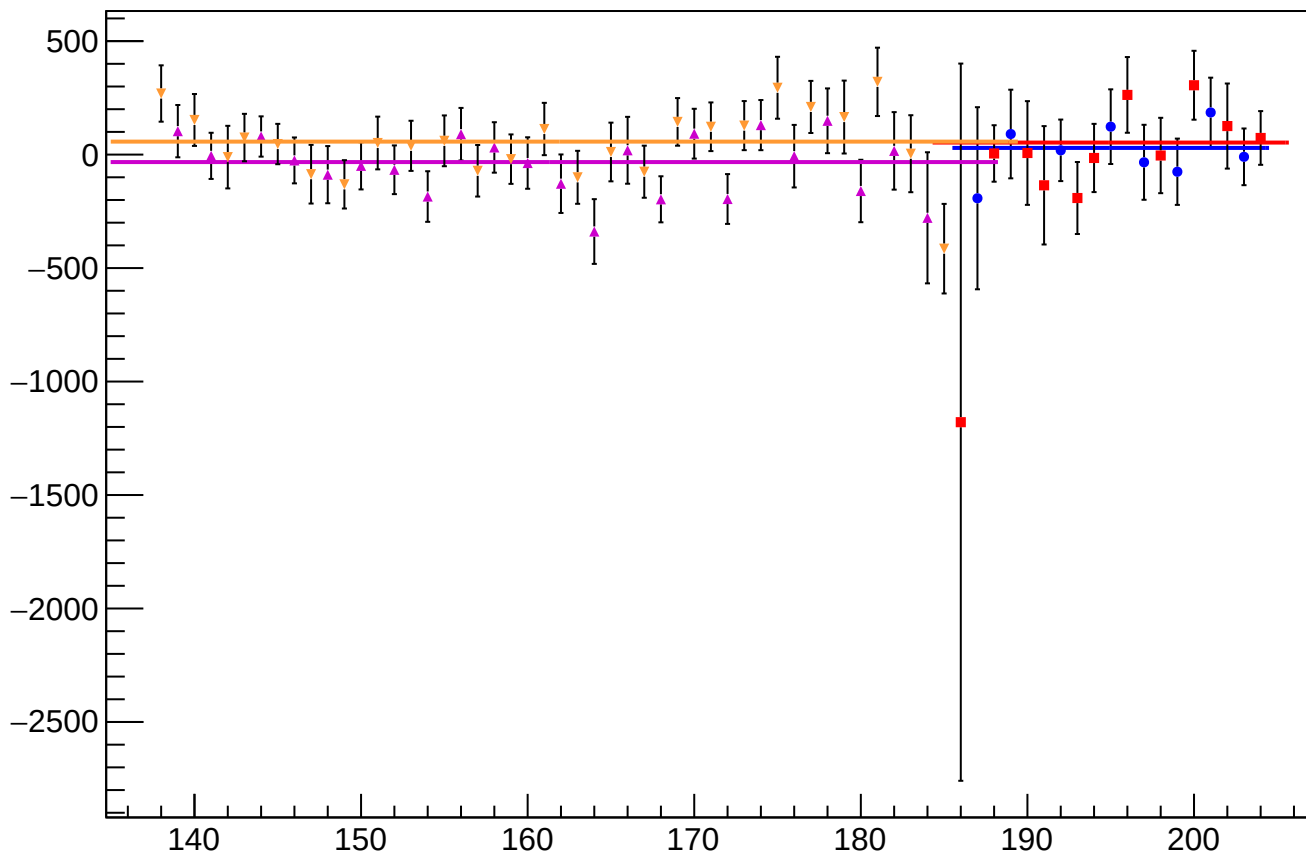
Left In: 499.393+/-0.085 χ^2/NDF : 576539.2/22

+ sign 540.871+/-0.071 χ^2/NDF : 2763833.6/49

All: 543.373+/-0.050 χ^2/NDF : 6196732.2/102

- sign 545.860+/-0.071 χ^2/NDF : 3430420.4/52

reg_asym_sam_1548_avg_mean vs Slug



Right In: 29.413 ± 56.437 χ^2/NDF : 2.5/7

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: 53.022 ± 50.105 χ^2/NDF : 8.5/10

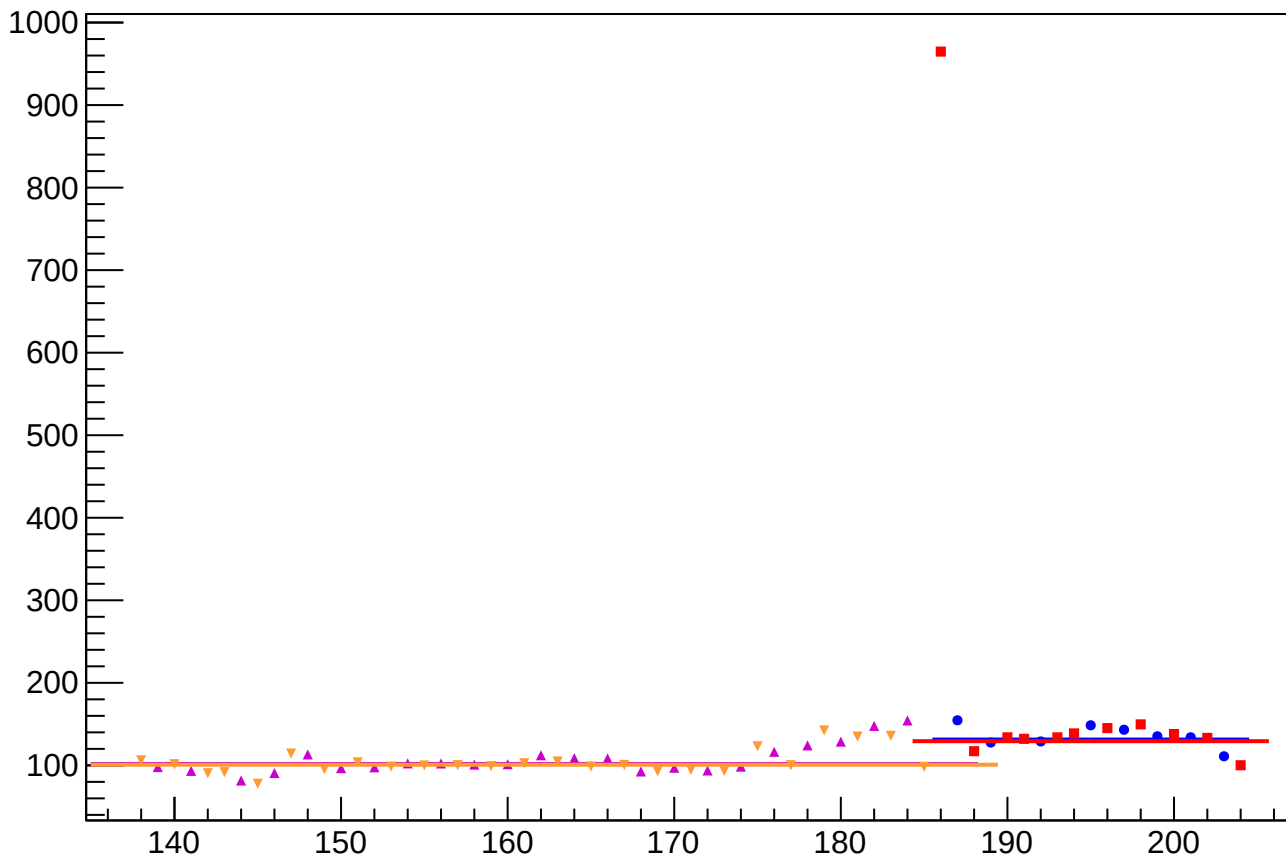
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 53.039 ± 21.862 χ^2/NDF : 31.9/32

All: 18.720 ± 15.533 χ^2/NDF : 71.4/66

- sign -16.264 ± 22.073 χ^2/NDF : 34.5/33

reg_asym_sam_1548_avg_rms vs Slug



Right In: 131.289 $\pm$ 0.040 χ^2 /NDF: 95061.1/7

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 129.302 $\pm$ 0.035 χ^2 /NDF: 765699.0/10

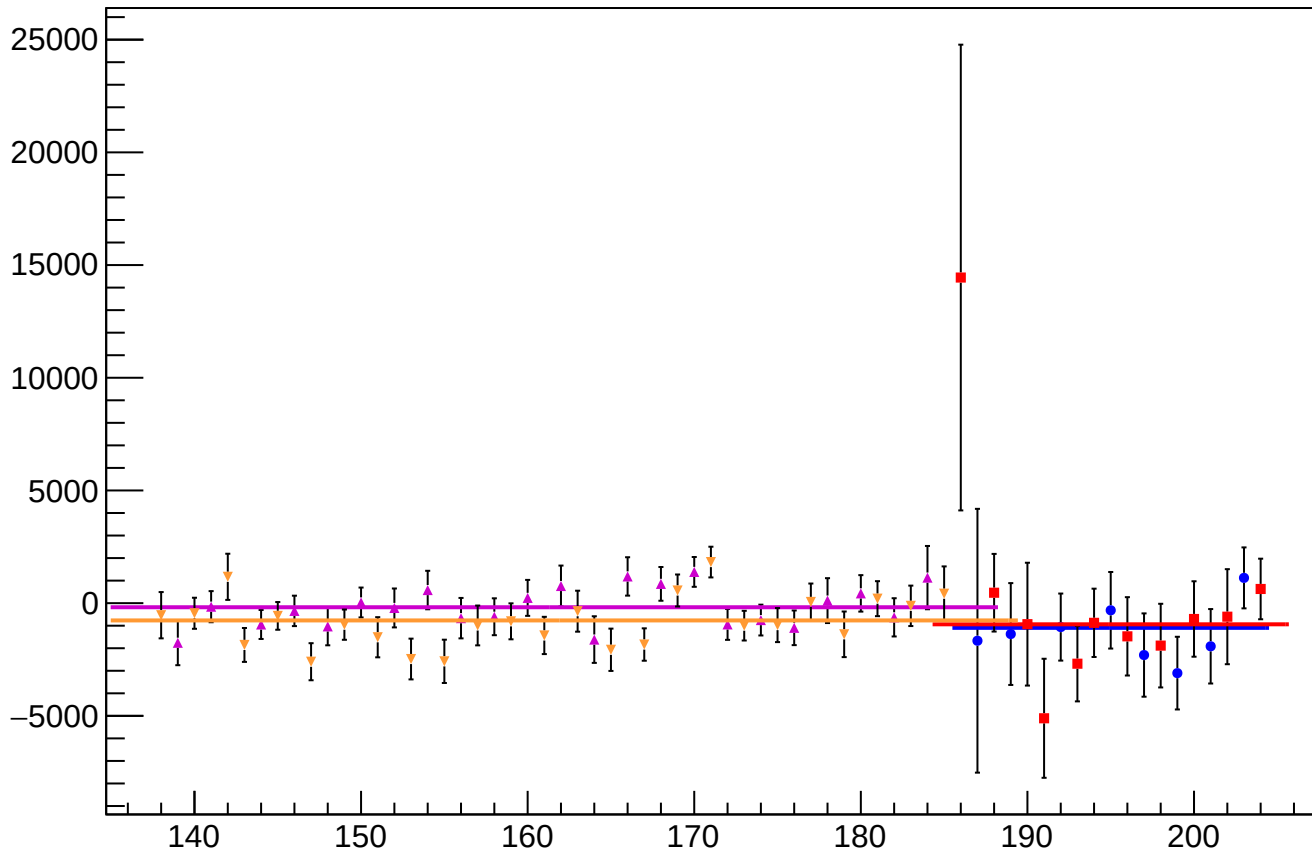
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 105.376 $\pm$ 0.015 χ^2 /NDF: 1191647.0/32

All: 106.177 $\pm$ 0.011 χ^2 /NDF: 3037018.4/66

- sign 106.993 $\pm$ 0.016 χ^2 /NDF: 1839946.7/33

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1094.817 ± 618.425 χ^2/NDF : 5.1/7

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -938.544 ± 561.206 χ^2/NDF : 8.2/10

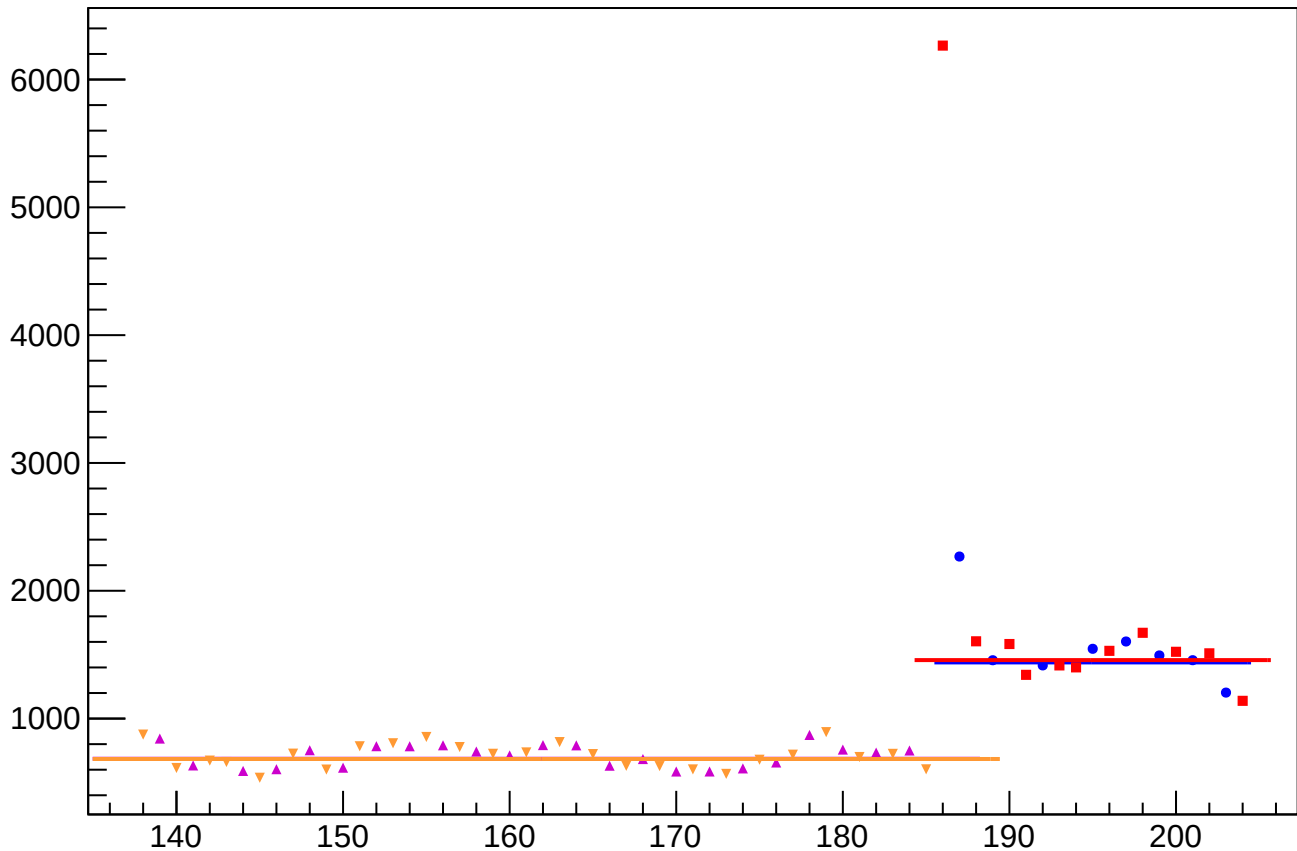
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -787.223 ± 155.867 χ^2/NDF : 52.0/32

All: -519.980 ± 111.269 χ^2/NDF : 92.8/66

- sign -242.262 ± 158.892 χ^2/NDF : 34.9/33

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1439.459+/-0.437 χ^2/NDF : 127738.0/7

Left Out: 683.884+/-0.114 χ^2/NDF : 667158.2/24

Right Out: 1457.559+/-0.397 χ^2/NDF : 606580.3/10

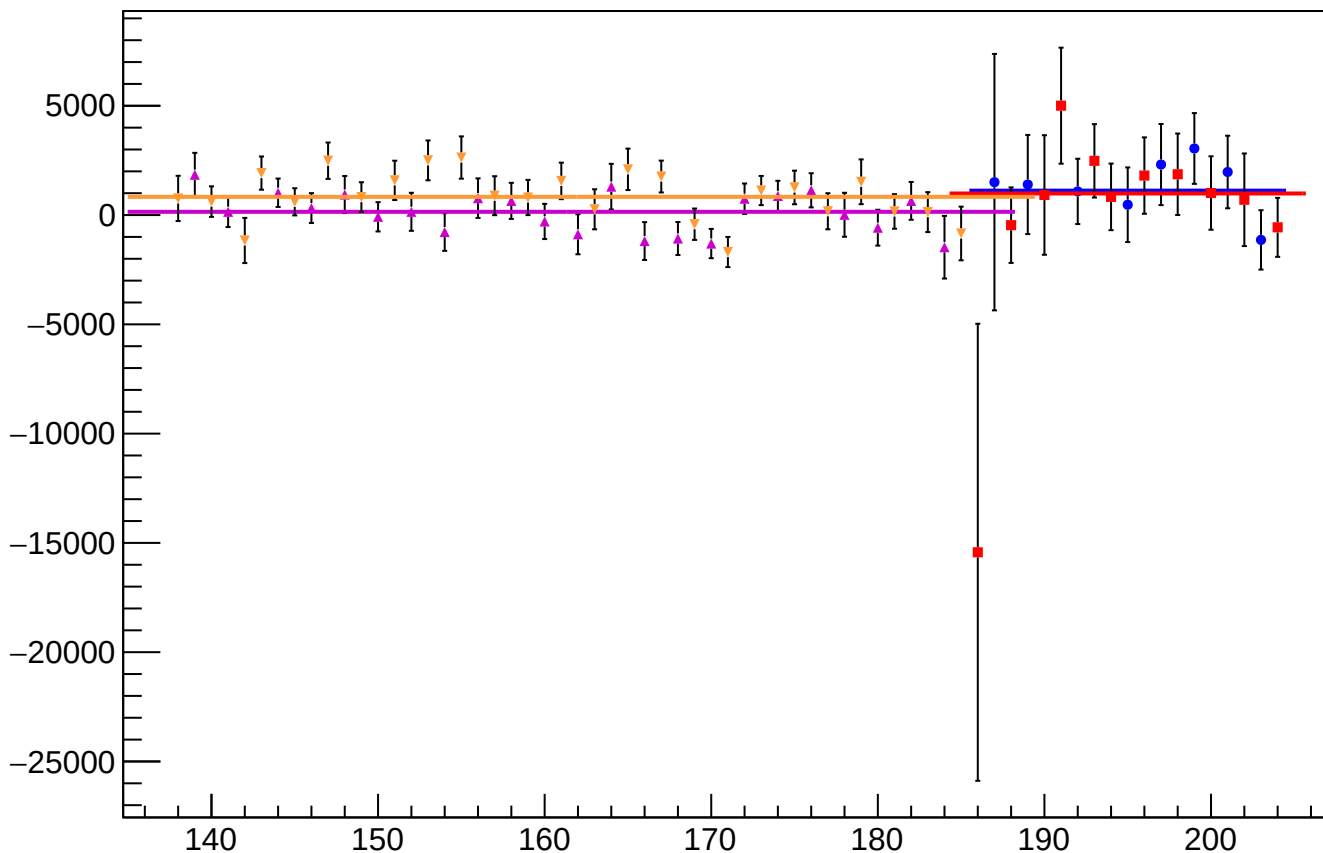
Left In: 685.593+/-0.117 χ^2/NDF : 529353.6/22

+ sign 731.881+/-0.110 χ^2/NDF : 3590713.2/32

All: 739.528+/-0.079 χ^2/NDF : 8217380.0/66

- sign 747.474+/-0.112 χ^2/NDF : 4616851.2/33

asym_sam_1548_avg_mean vs Slug



Right In: 1117.347 $\pm$ 621.144 χ^2 /NDF: 5.0/7

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF:43.2/24

Right Out: 988.210 $\pm$ 563.634 χ^2 /NDF: 8.0/10

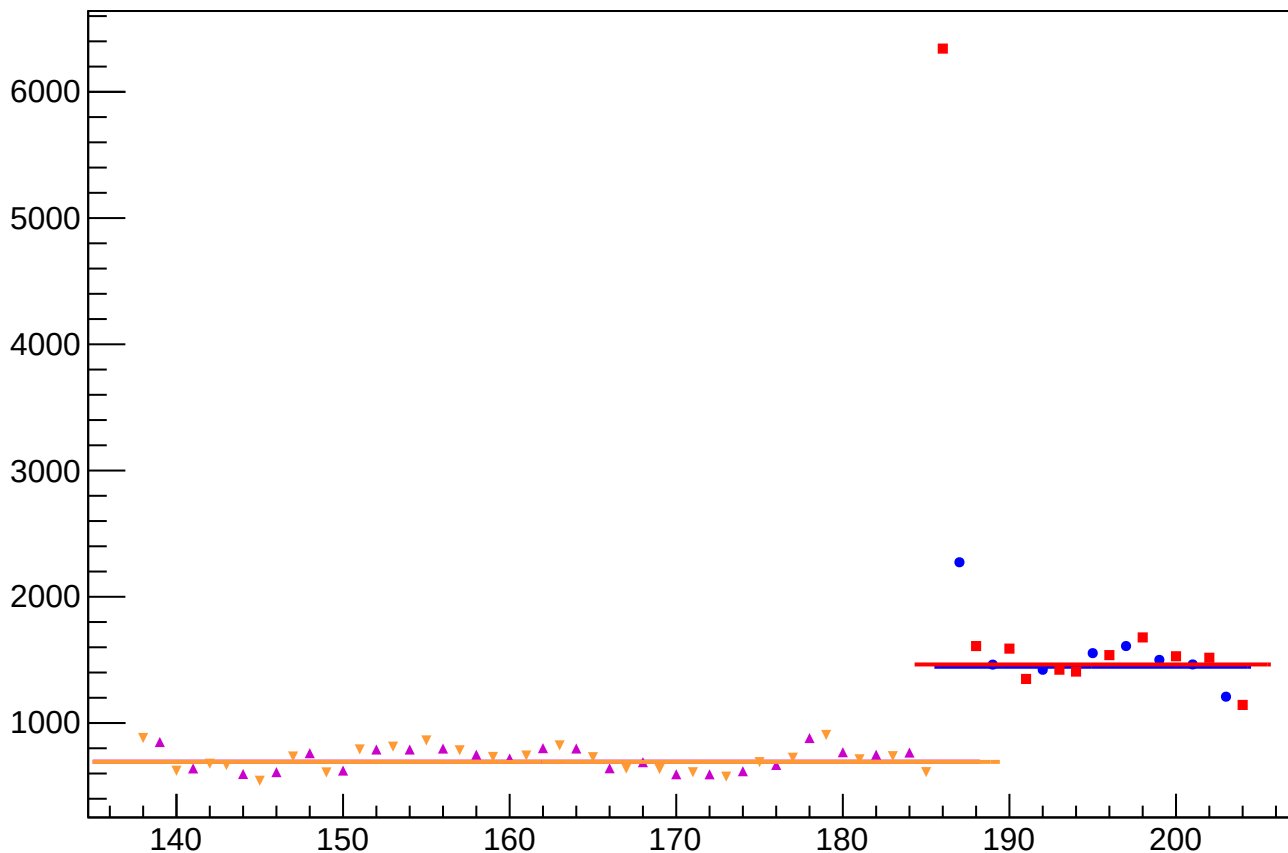
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF:26.0/22

+ sign 851.682 $\pm$ 157.630 χ^2 /NDF: 48.4/32

All: 540.453 $\pm$ 112.527 χ^2 /NDF: 92.5/66

- sign 217.037 $\pm$ 160.687 χ^2 /NDF: 36.1/33

asym_sam_1548_avg_rms vs Slug



Right In: 1445.827+/-0.439 χ^2/NDF : 127518.9/7

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1463.807+/-0.399 χ^2/NDF : 608736.3/10

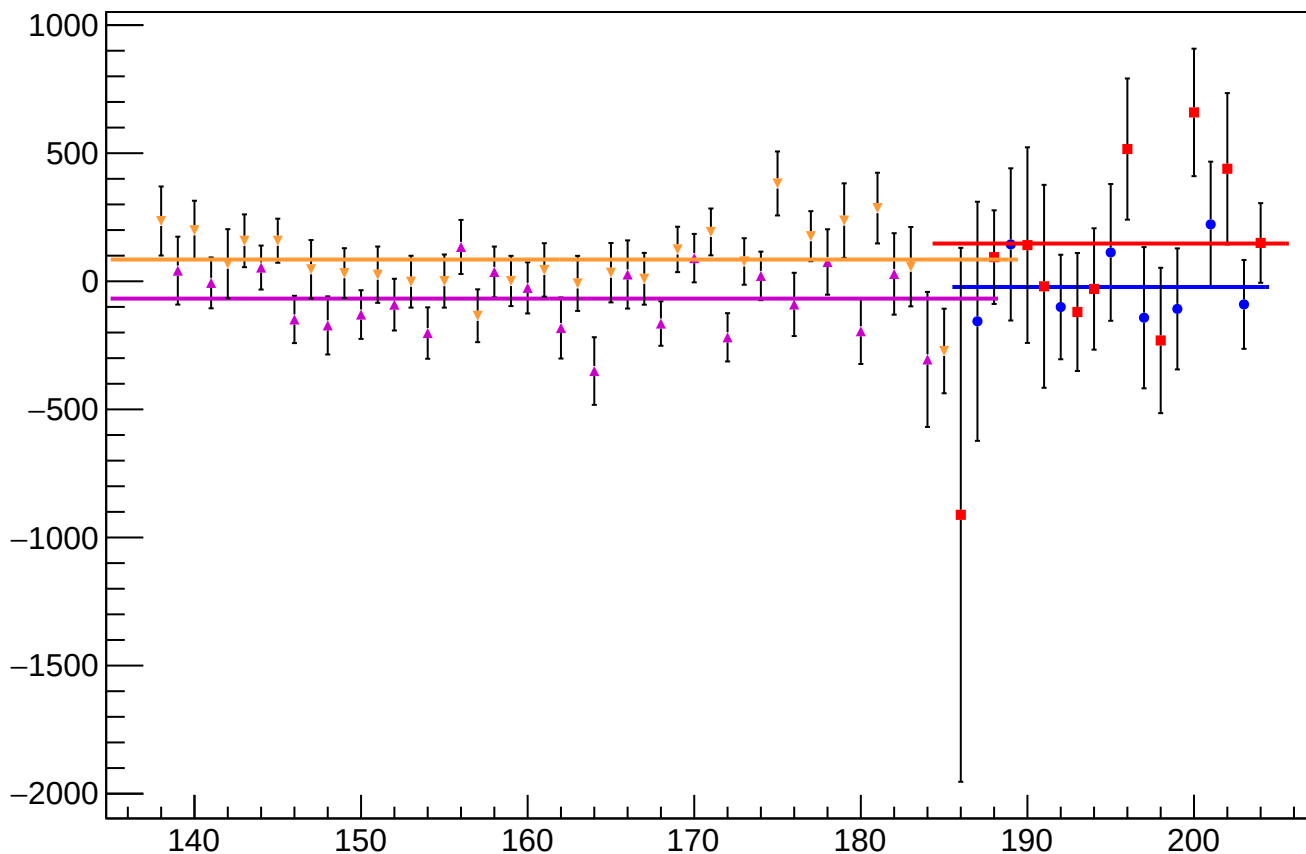
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 740.638+/-0.111 χ^2/NDF : 3540067.4/32

All: 748.390+/-0.080 χ^2/NDF : 8109455.0/66

- sign 756.445+/-0.114 χ^2/NDF : 4559524.3/33

reg_asym_sam_3748_avg_mean vs Slug



Right In: -22.252 ± 86.068 $\chi^2/\text{NDF}: 2.3/7$

Left Out: 84.860 ± 21.643 $\chi^2/\text{NDF}: 28.5/24$

Right Out: 147.359 ± 75.515 $\chi^2/\text{NDF}: 12.0/10$

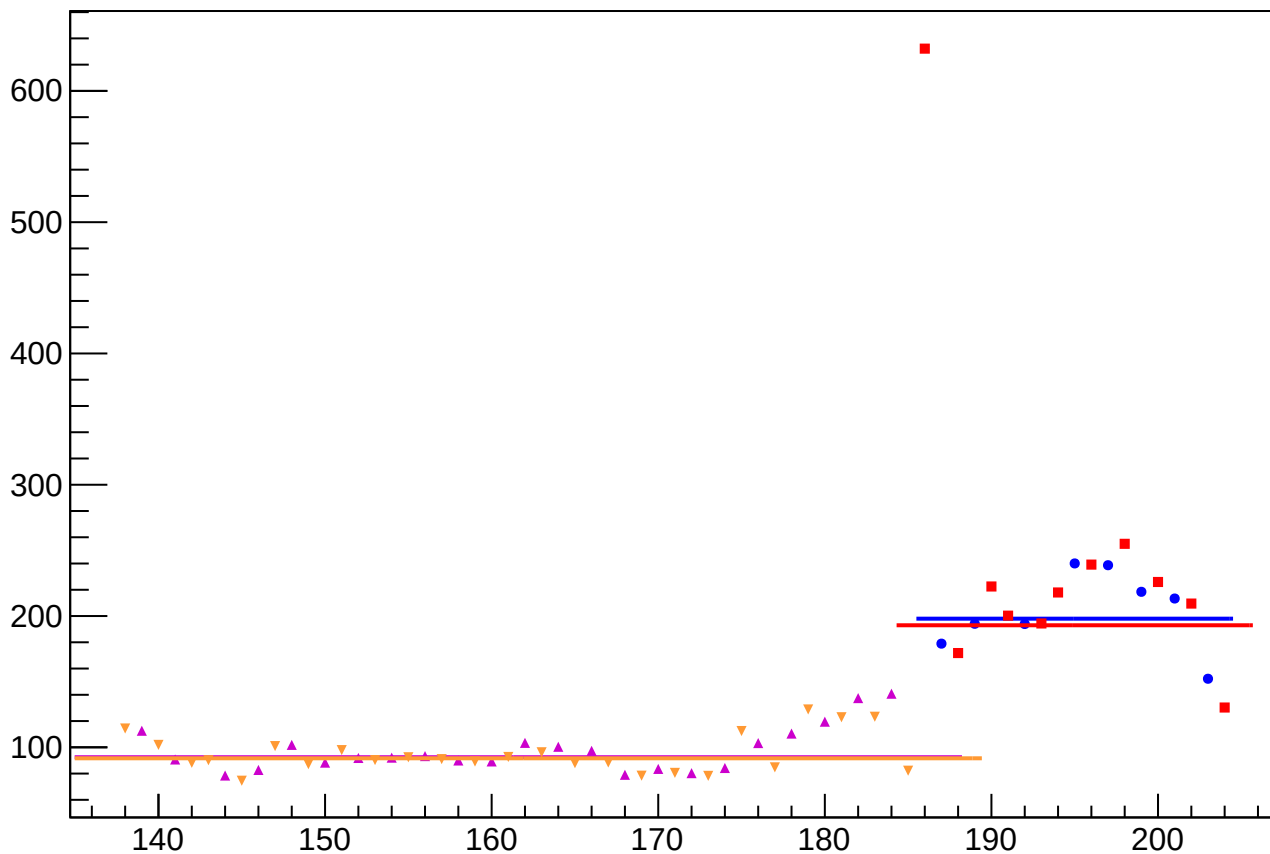
Left In: -67.552 ± 22.449 $\chi^2/\text{NDF}: 28.9/22$

+ sign 78.490 ± 20.989 $\chi^2/\text{NDF}: 32.2/32$

All: 15.794 ± 15.025 $\chi^2/\text{NDF}: 98.8/66$

- sign -50.102 ± 21.518 $\chi^2/\text{NDF}: 48.3/33$

reg_asym_sam_3748_avg_rms vs Slug



Right In: 197.987 $\pm$ 0.061 χ^2 /NDF: 259885.3/7

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 192.961 $\pm$ 0.053 χ^2 /NDF: 935208.9/10

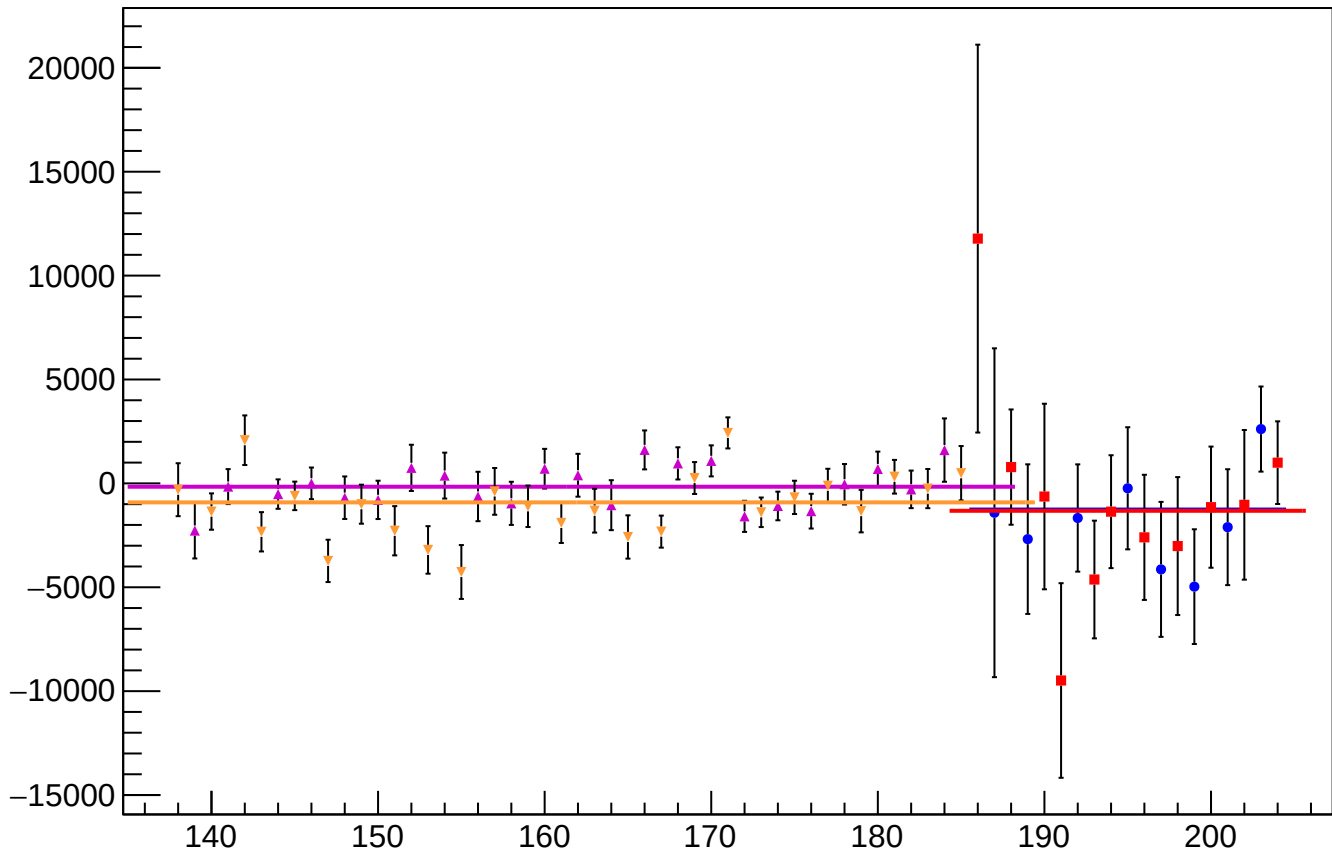
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 97.958 $\pm$ 0.015 χ^2 /NDF: 3825254.8/32

All: 99.259 $\pm$ 0.011 χ^2 /NDF: 8686339.1/66

- sign 100.626 $\pm$ 0.015 χ^2 /NDF: 4845325.8/33

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1259.739 ± 1024.970 χ^2/NDF : 6.6/7

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -1319.134 ± 934.214 χ^2/NDF : 8.8/10

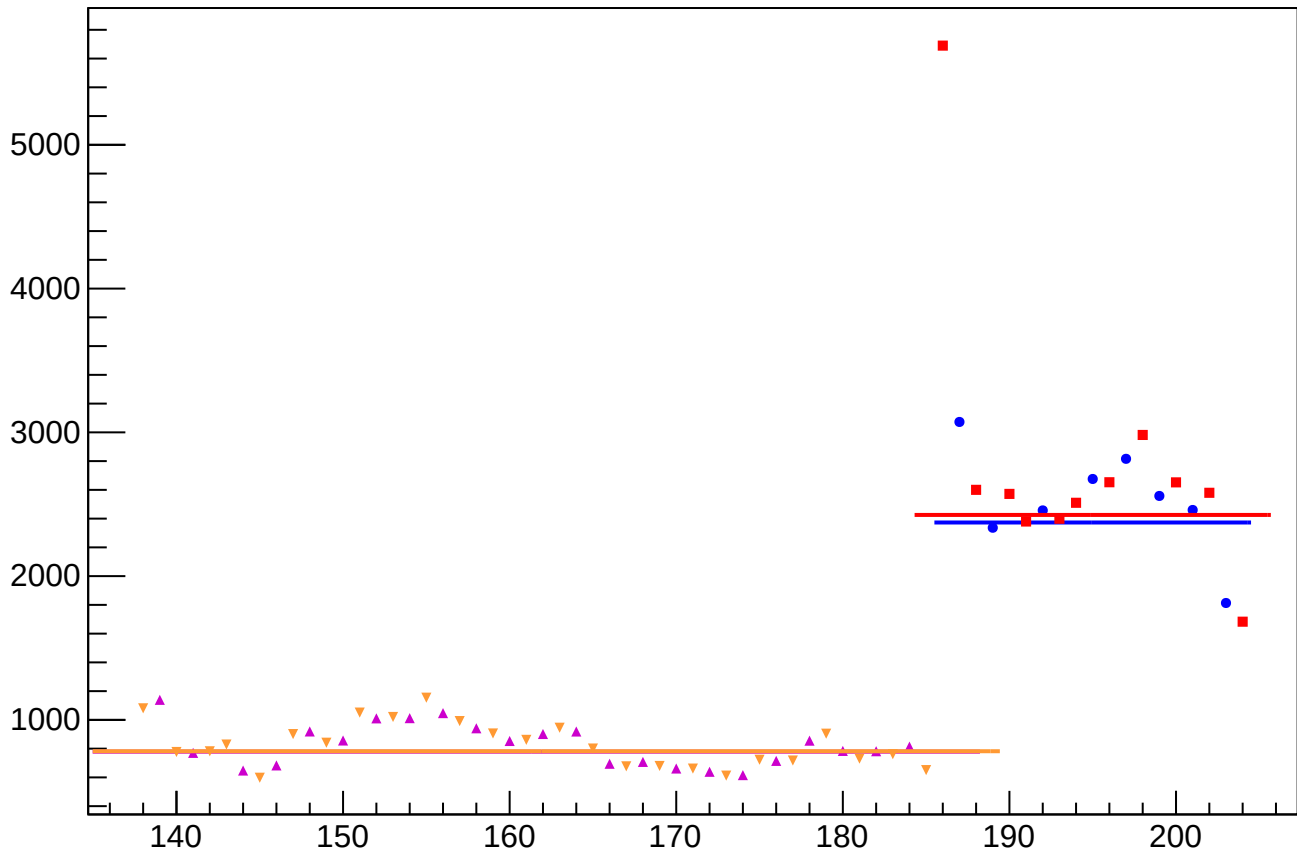
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -925.643 ± 182.383 χ^2/NDF : 70.8/32

All: -572.735 ± 130.124 χ^2/NDF : 113.8/66

- sign -206.838 ± 185.709 χ^2/NDF : 35.3/33

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2373.004 ± 0.725 $\chi^2/\text{NDF}: 236742.9/7$

Left Out: 782.042 ± 0.131 $\chi^2/\text{NDF}: 1130984.3/24$

Right Out: 2425.642 ± 0.661 $\chi^2/\text{NDF}: 618983.3/10$

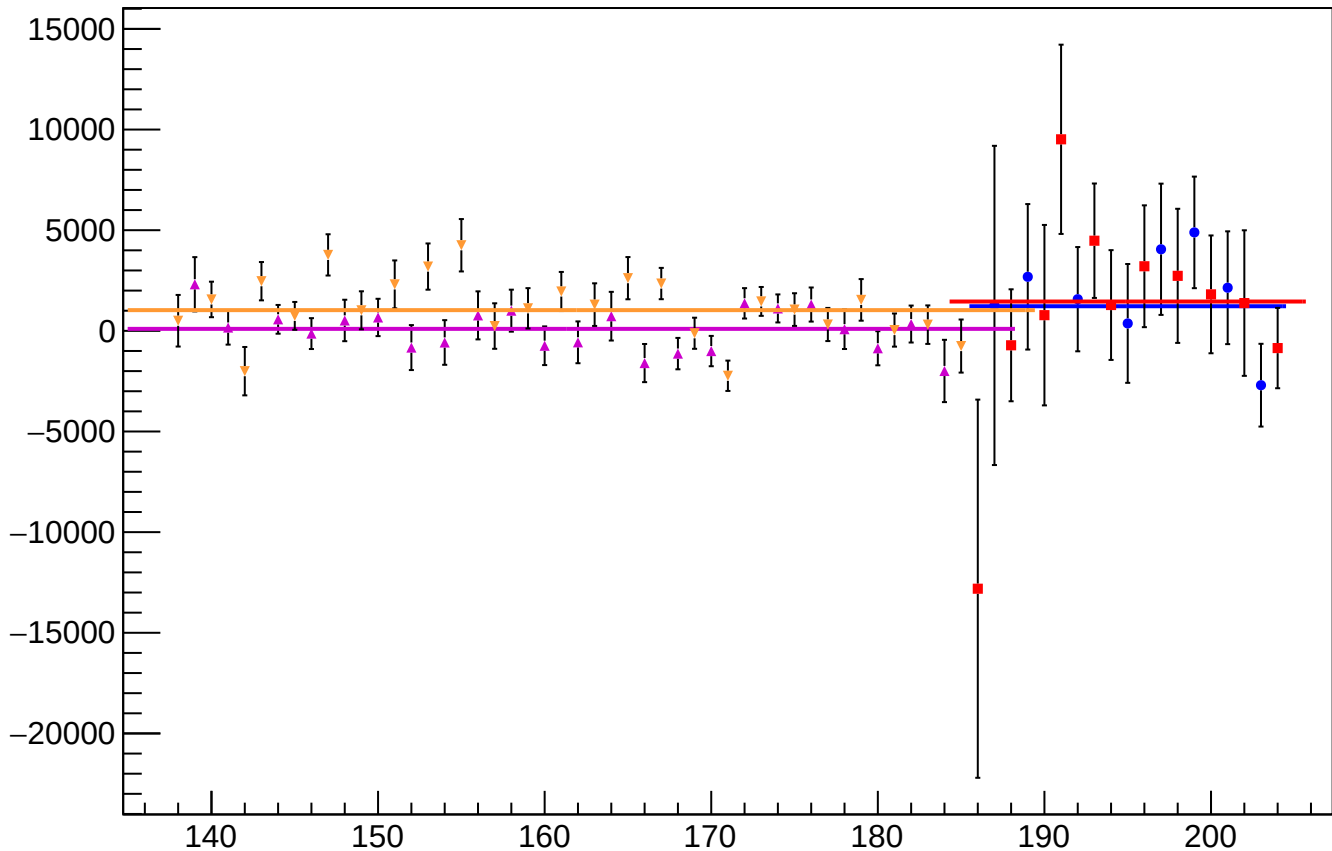
Left In: 778.995 ± 0.134 $\chi^2/\text{NDF}: 980243.4/22$

+ sign 832.416 ± 0.129 $\chi^2/\text{NDF}: 6033831.1/32$

All: 838.134 ± 0.092 $\chi^2/\text{NDF}: 13605054.0/60$

- sign 844.064 ± 0.131 $\chi^2/\text{NDF}: 7567218.0/33$

asym_sam_3748_avg_mean vs Slug



Right In: 1222.483 ± 1028.904 χ^2/NDF : 6.5/7

Left Out: 1028.864 ± 186.810 χ^2/NDF : 60.2/24

Right Out: 1456.730 ± 937.589 χ^2/NDF : 8.9/10

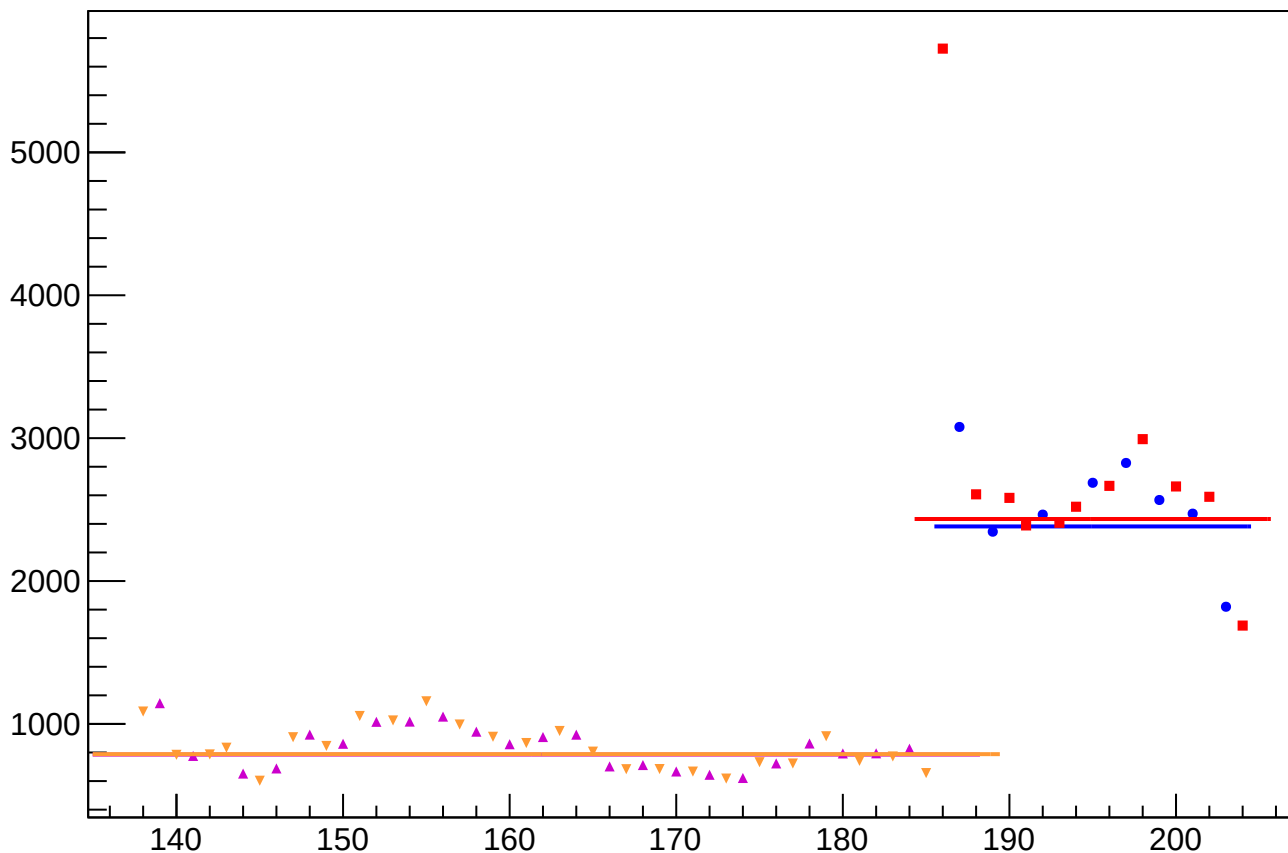
Left In: 98.691 ± 191.027 χ^2/NDF : 25.4/22

+ sign 1035.043 ± 183.805 χ^2/NDF : 66.7/32

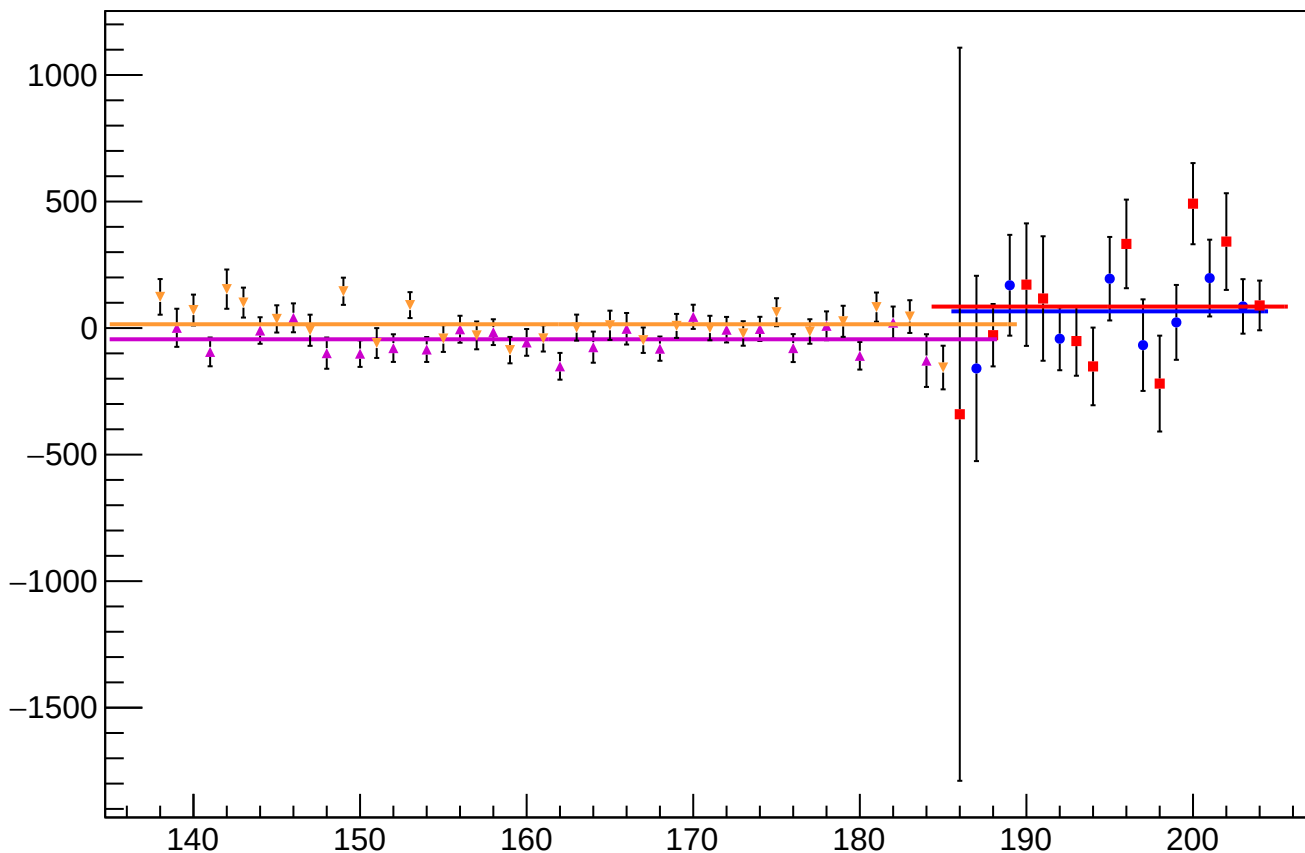
All: 601.958 ± 131.147 χ^2/NDF : 114.3/66

- sign 152.818 ± 187.181 χ^2/NDF : 36.2/33

asym_sam_3748_avg_rms vs Slug



reg_asym_sam_1526_avg_mean vs Slug



Right In: 66.089 $\pm$ 54.241 χ^2 /NDF: 3.4/7

Left Out: 15.099 $\pm$ 11.154 χ^2 /NDF:34.2/24

Right Out: 84.899 $\pm$ 48.443 χ^2 /NDF: 17.3/10

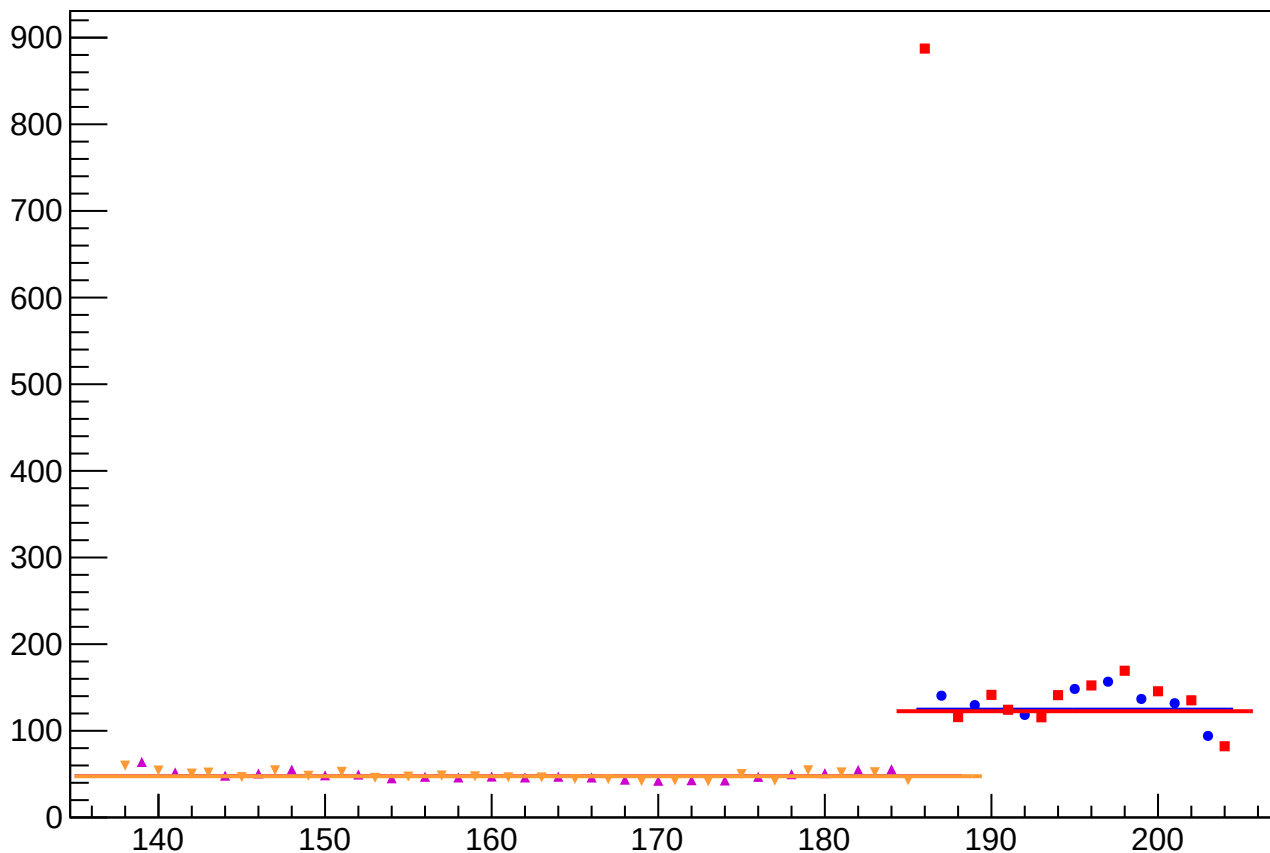
Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 17.168 $\pm$ 10.926 χ^2 /NDF: 38.5/32

All: -9.386 $\pm$ 7.826 χ^2 /NDF: 96.9/66

- sign -37.371 $\pm$ 11.216 χ^2 /NDF: 46.3/33

reg_asym_sam_1526_avg_rms vs Slug



Right In: 124.412 $\pm$ 0.038 χ^2 /NDF: 292771.6/7

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 122.606 $\pm$ 0.034 χ^2 /NDF: 1178740.4/10

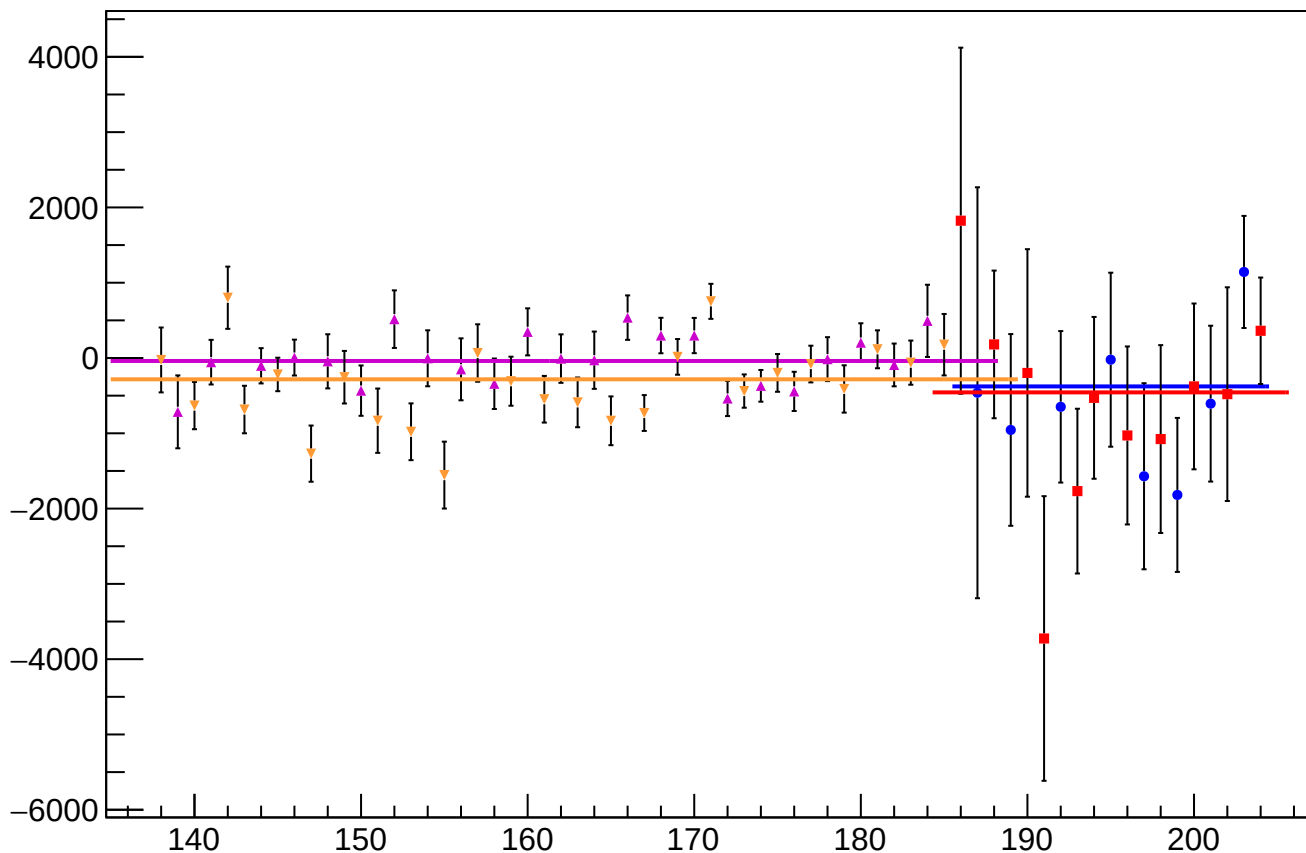
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 50.703 $\pm$ 0.008 χ^2 /NDF: 4455086.7/32

All: 51.263 $\pm$ 0.006 χ^2 /NDF: 10434251.2/66

- sign 51.854 $\pm$ 0.008 χ^2 /NDF: 5968365.6/33

asym_sam_1526_avg_correction_mean vs Slug



Right In: -377.264+/-382.460 χ^2/NDF : 7.5/7

Left Out: -282.798+/-59.690 χ^2/NDF : 66.5/24

Right Out: -456.529+/-347.930 χ^2/NDF : 7.7/10

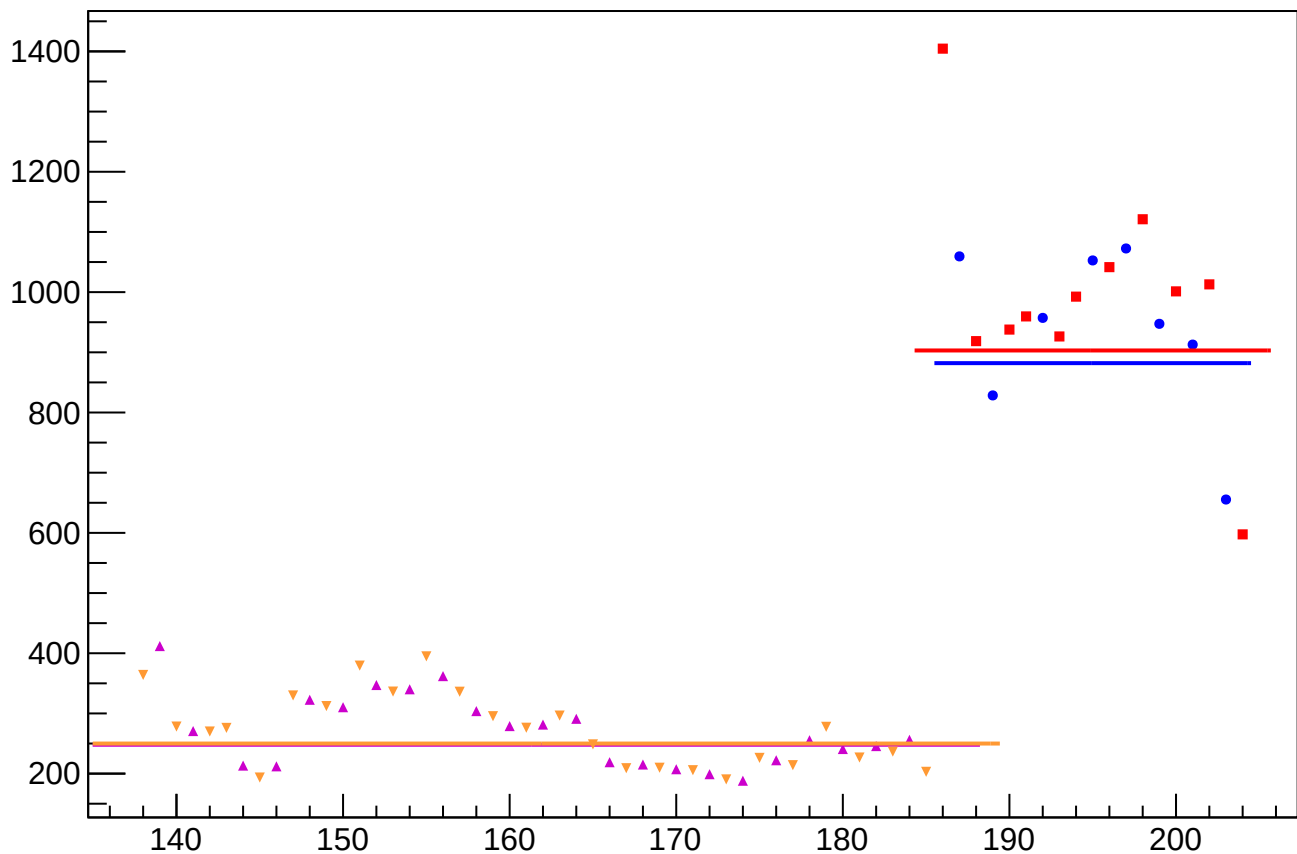
Left In: -39.432+/-60.759 χ^2/NDF : 27.5/22

+ sign -285.045+/-58.976 χ^2/NDF : 74.1/32

All: -170.132+/-42.009 χ^2/NDF : 118.4/66

- sign -51.775+/-59.853 χ^2/NDF : 36.6/33

asym_sam_1526_avg_correction_rms vs Slug



Right In: 882.022 $\pm$ 0.270 χ^2 /NDF: 309561.2/7

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF: 1614205.9/24

Right Out: 903.081 $\pm$ 0.246 χ^2 /NDF: 603154.8/10

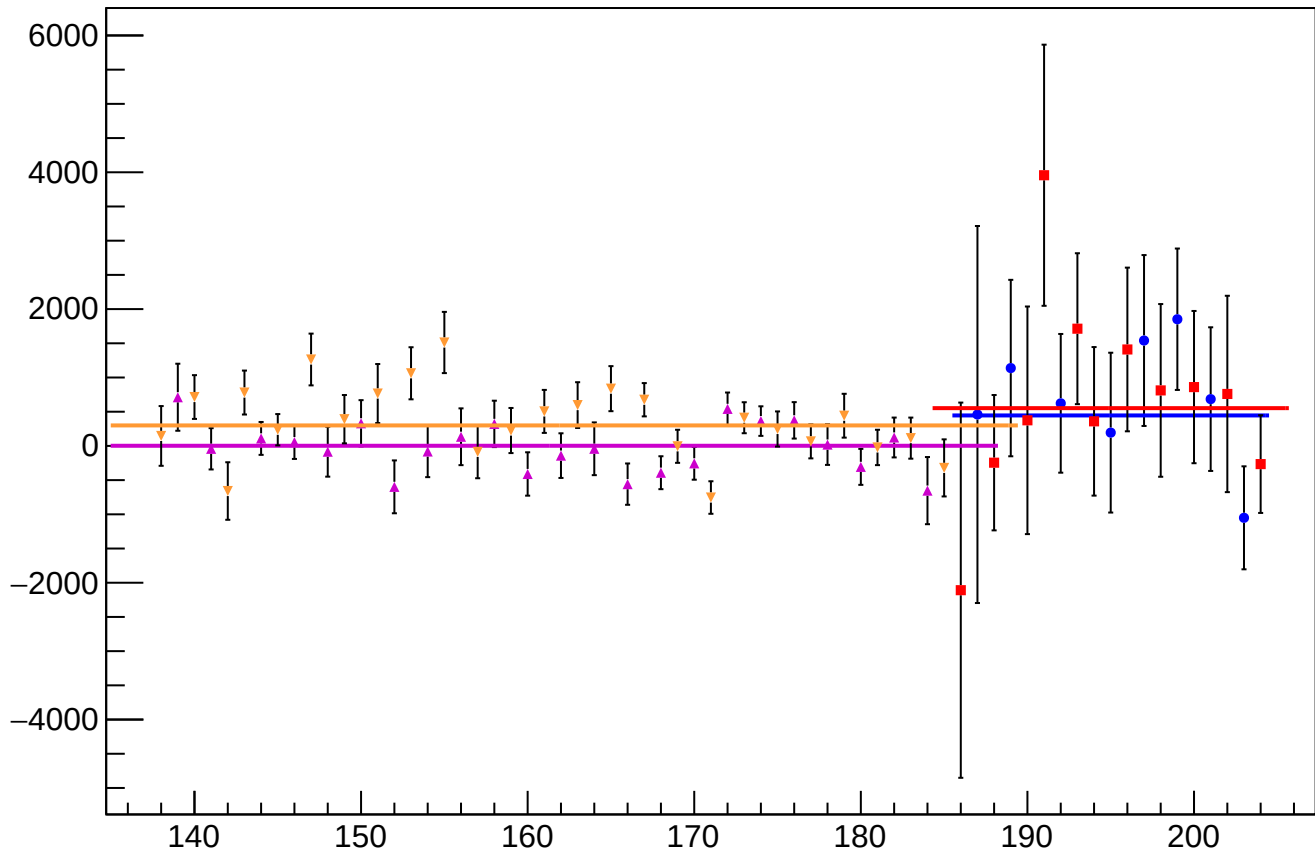
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF: 1410847.5/22

+ sign 264.986 $\pm$ 0.042 χ^2 /NDF: 7256268.8/32

All: 266.128 $\pm$ 0.030 χ^2 /NDF: 16153581.3/60

- sign 267.305 $\pm$ 0.042 χ^2 /NDF: 8895788.5/33

asym_sam_1526_avg_mean vs Slug



Right In: 445.473 ± 386.687 χ^2/NDF : 7.0/7

Left Out: 299.562 ± 60.860 χ^2/NDF : 62.5/24

Right Out: 552.111 ± 352.648 χ^2/NDF : 7.9/10

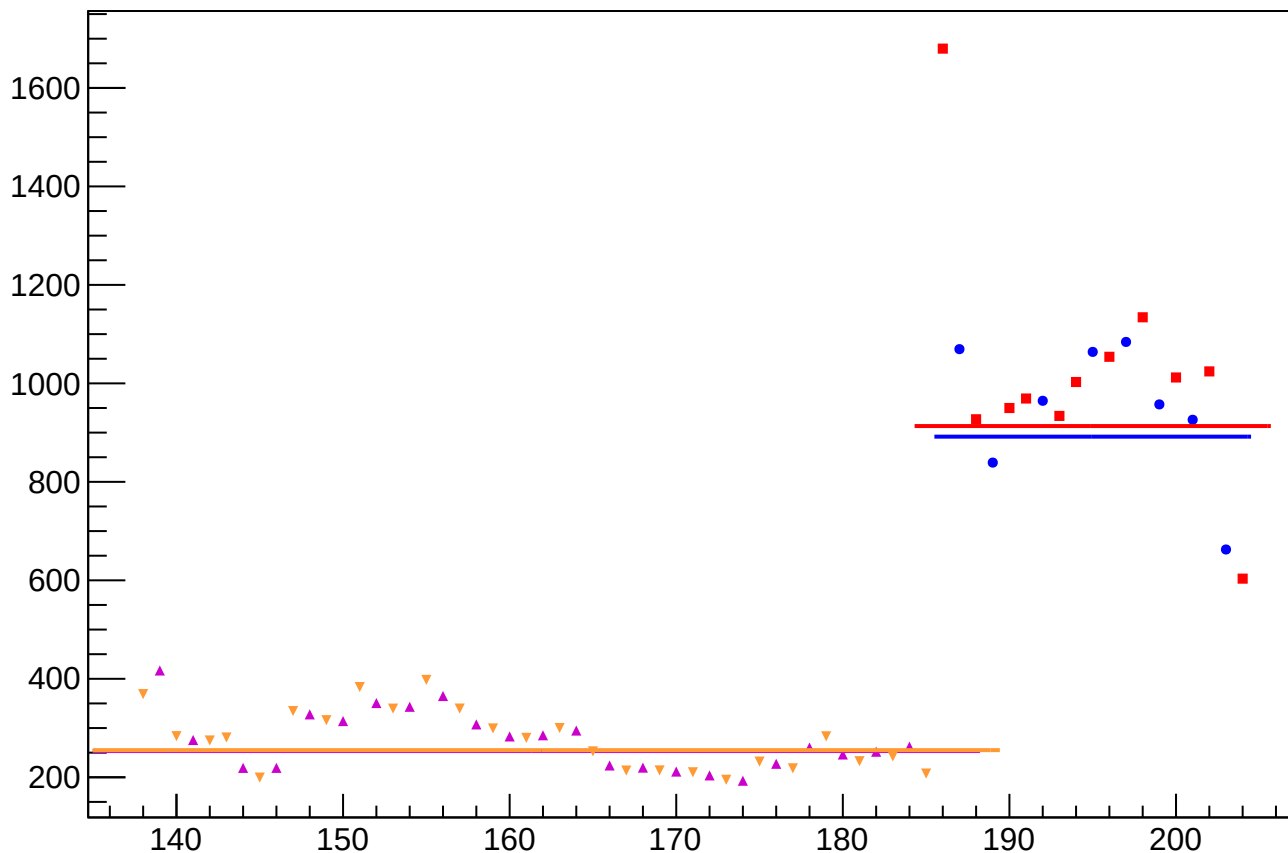
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 303.089 ± 60.120 χ^2/NDF : 69.6/32

All: 163.108 ± 42.842 χ^2/NDF : 120.0/66

- sign 18.676 ± 61.068 χ^2/NDF : 39.4/33

asym_sam_1526_avg_rms vs Slug



Right In: 891.806+/-0.273 χ^2/NDF : 308375.7/7

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 913.328+/-0.249 χ^2/NDF : 666865.5/10

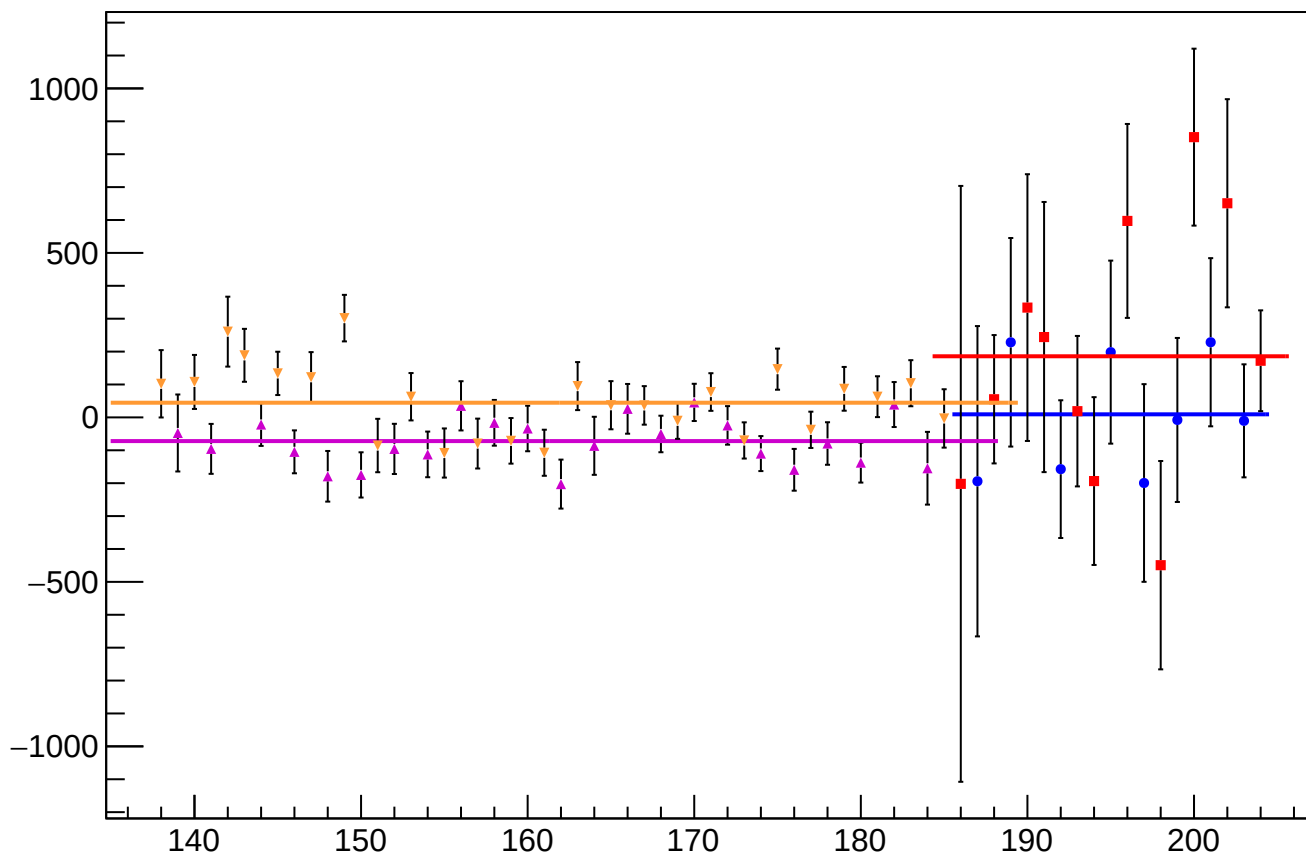
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 270.525+/-0.043 χ^2/NDF : 7141124.8/32

All: 271.783+/-0.030 χ^2/NDF : 15947620.1/60

- sign 273.081+/-0.043 χ^2/NDF : 8804716.6/33

reg_asym_sam_3726_avg_mean vs Slug



Right In: 9.321 ± 88.892 $\chi^2/\text{NDF}: 3.0/7$

Left Out: 44.602 ± 13.824 $\chi^2/\text{NDF}: 53.9/24$

Right Out: 185.764 ± 78.591 $\chi^2/\text{NDF}: 17.8/10$

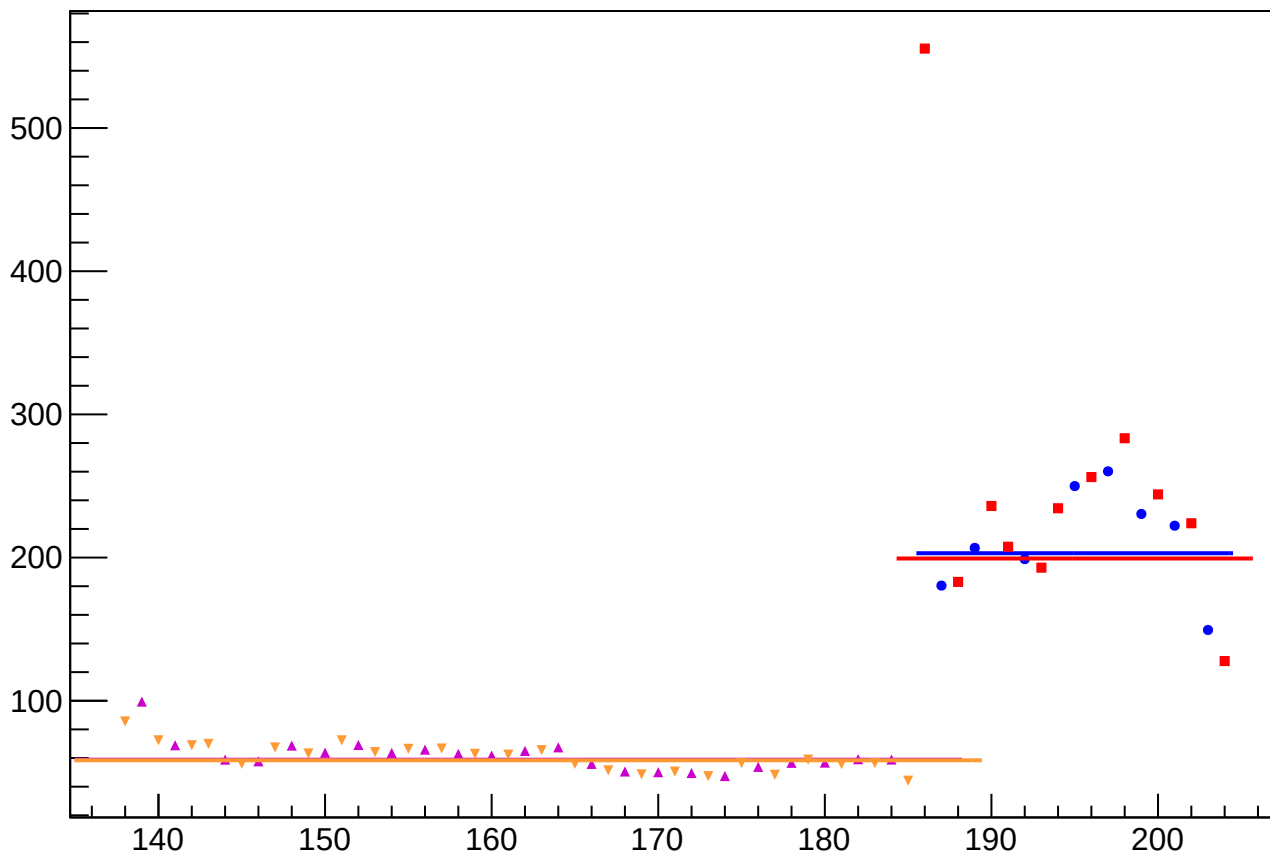
Left In: -72.037 ± 14.296 $\chi^2/\text{NDF}: 25.3/22$

+ sign 43.769 ± 13.660 $\chi^2/\text{NDF}: 57.1/32$

All: -8.433 ± 9.799 $\chi^2/\text{NDF}: 140.7/66$

- sign -63.779 ± 14.066 $\chi^2/\text{NDF}: 53.5/33$

reg_asym_sam_3726_avg_rms vs Slug



Right In: 203.042 $\pm$ 0.063 χ^2 /NDF: 365213.5/7

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 199.359 $\pm$ 0.056 χ^2 /NDF: 1099580.9/10

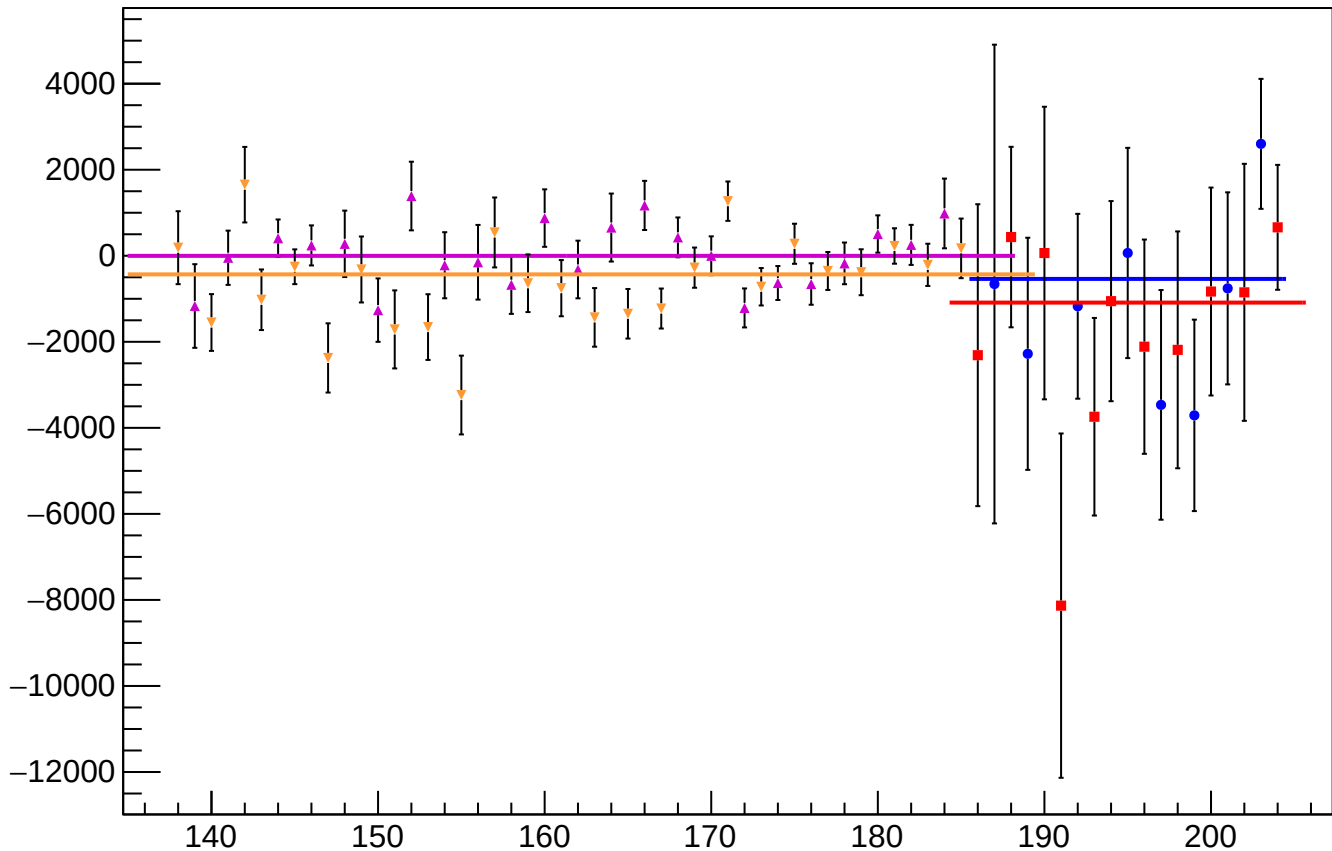
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 61.838 $\pm$ 0.010 χ^2 /NDF: 6323968.9/32

All: 62.567 $\pm$ 0.007 χ^2 /NDF: 14304174.7/66

- sign 63.341 $\pm$ 0.010 χ^2 /NDF: 7968457.9/33

asym_sam_3726_avg_correction_mean vs Slug



Right In: -537.918+/-807.139 χ^2/NDF : 8.1/7

Left Out: -432.330+/-114.408 χ^2/NDF : 59.4/24

Right Out: -1088.142+/-728.769 χ^2/NDF : 7.0/10

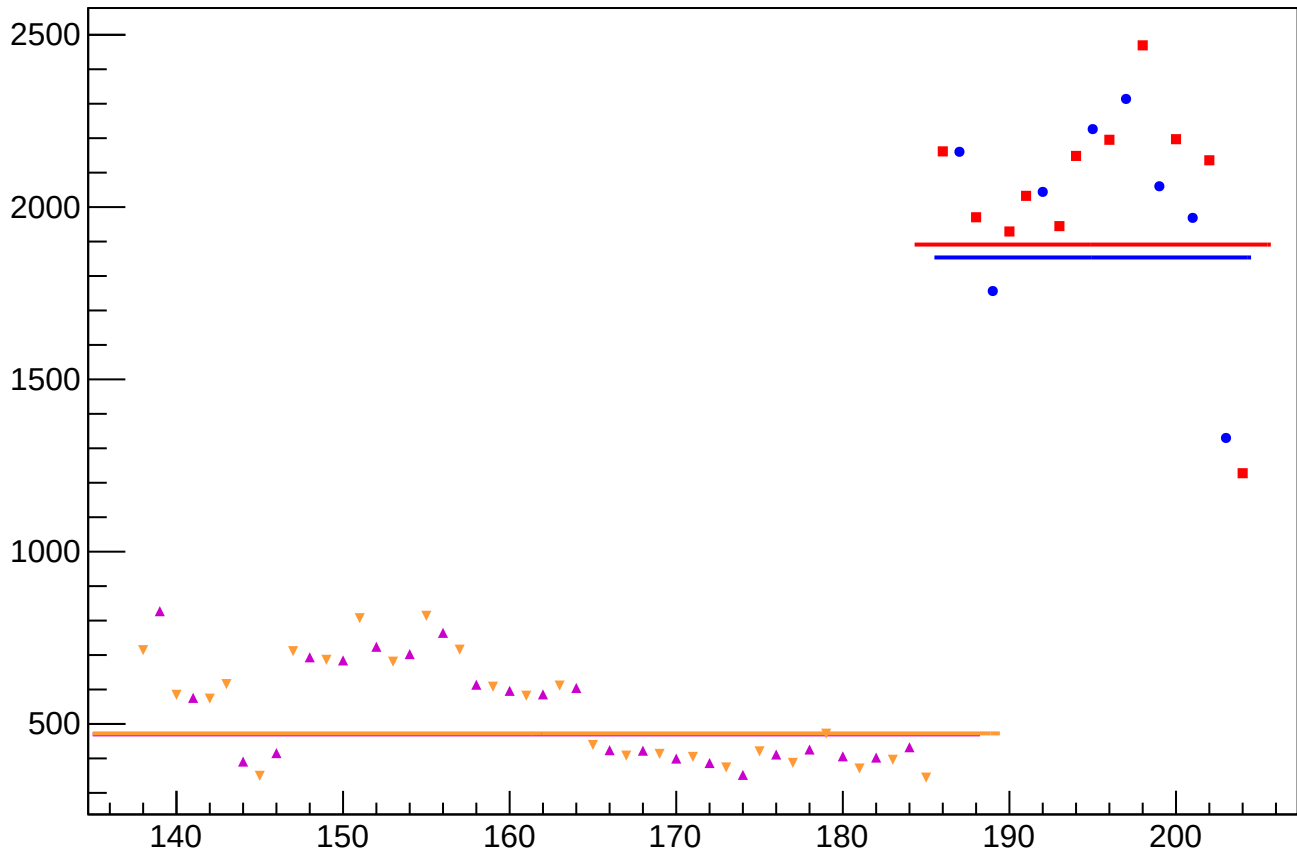
Left In: -1.825+/-116.459 χ^2/NDF : 32.3/22

+ sign -434.410+/-113.276 χ^2/NDF : 67.5/32

All: -234.705+/-80.701 χ^2/NDF : 115.3/66

- sign -28.875+/-115.000 χ^2/NDF : 41.5/33

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1853.818 $\pm$ 0.571 χ^2 /NDF: 393240.1/7

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF: 2508168.9/24

Right Out: 1891.262 $\pm$ 0.515 χ^2 /NDF: 624399.9/10

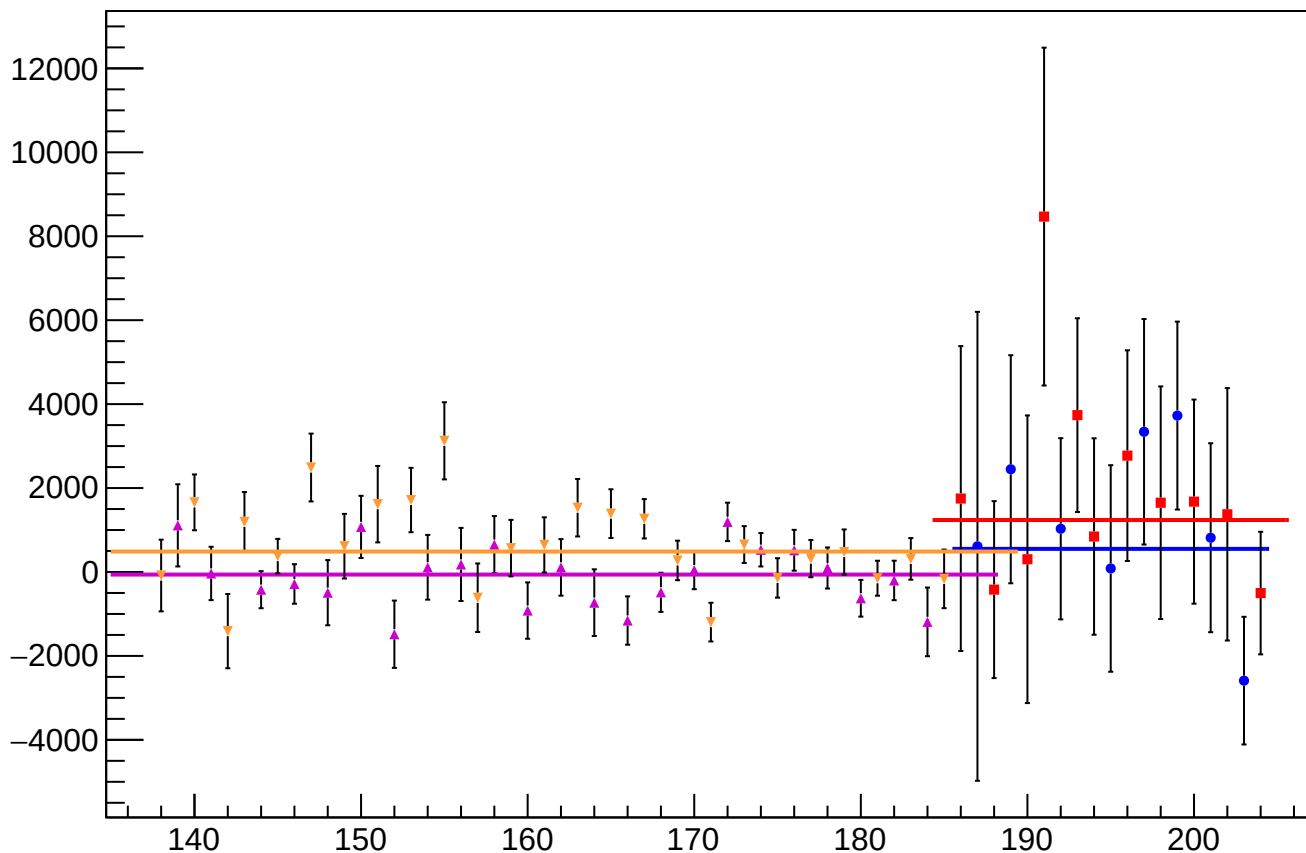
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF: 2116885.7/22

+ sign 499.774 $\pm$ 0.080 χ^2 /NDF: 8643077.5/32

All: 502.425 $\pm$ 0.057 χ^2 /NDF: 18806402.8/60

- sign 505.158 $\pm$ 0.081 χ^2 /NDF: 10161100.3/33

asym_sam_3726_avg_mean vs Slug



Right In: 550.735 $\pm$ 812.550 χ^2 /NDF: 7.9/7

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 1237.876 $\pm$ 734.126 χ^2 /NDF: 7.0/10

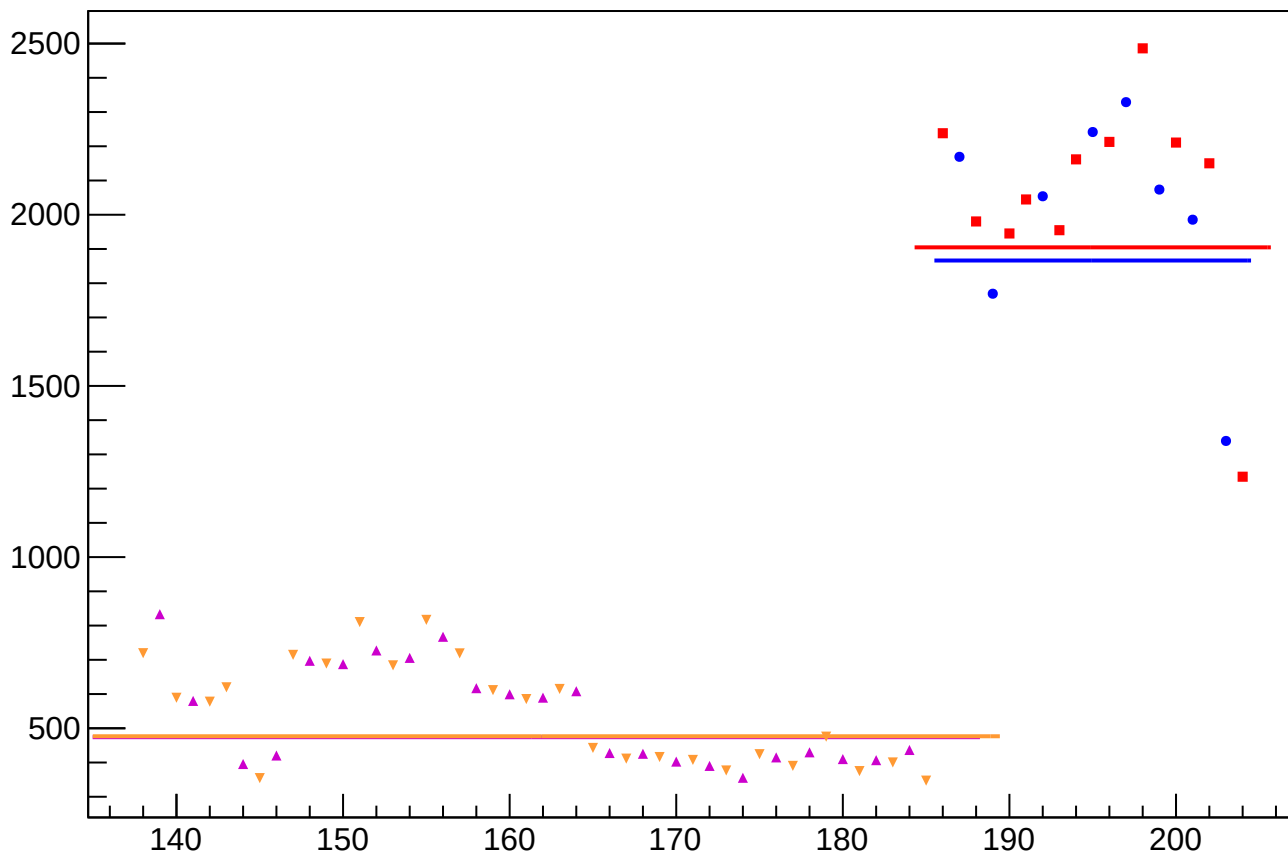
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 487.911 $\pm$ 114.201 χ^2 /NDF: 64.0/32

All: 233.269 $\pm$ 81.372 χ^2 /NDF: 115.3/66

- sign -29.340 $\pm$ 115.974 χ^2 /NDF: 41.2/33

asym_sam_3726_avg_rms vs Slug



Right In: 1866.319+/-0.575 χ^2/NDF : 392146.1/7

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 1904.750+/-0.519 χ^2/NDF : 631264.6/10

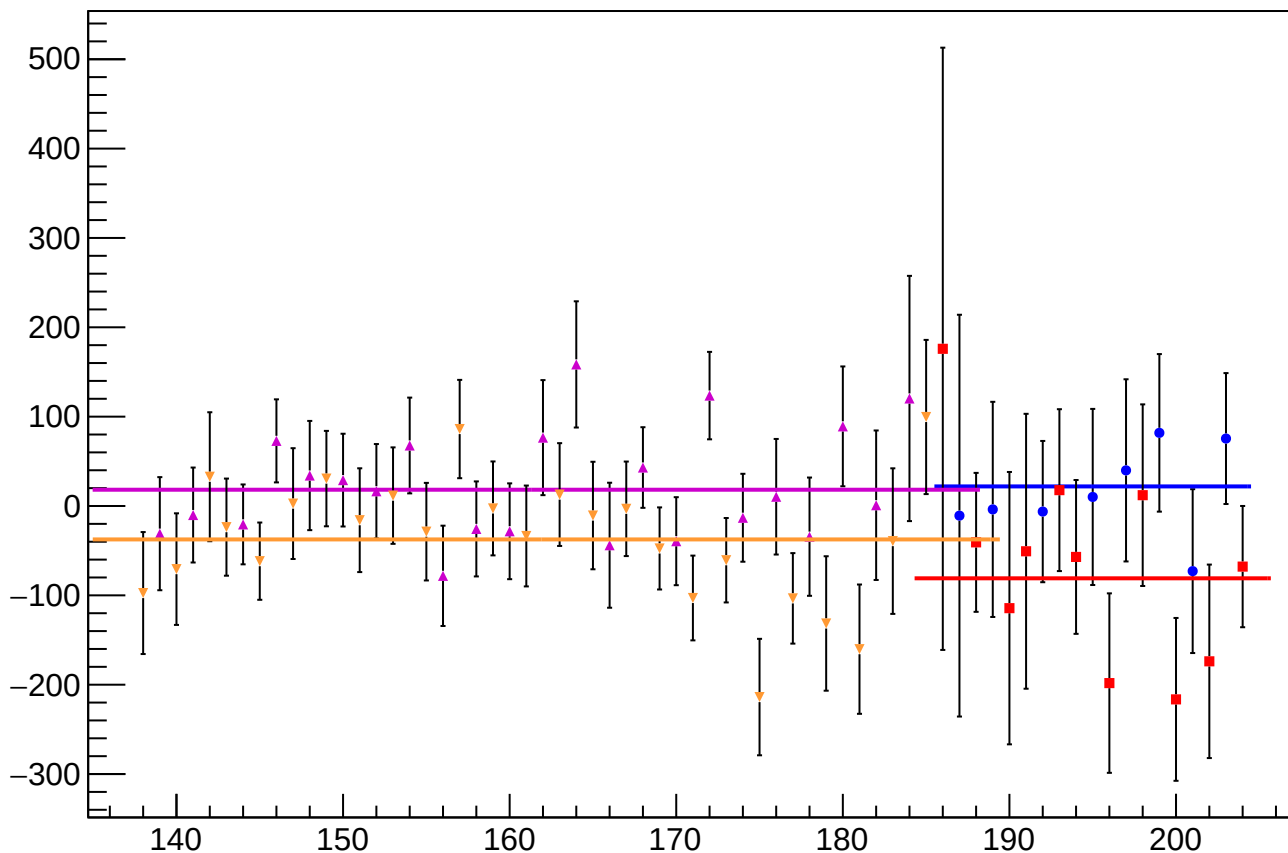
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 504.140+/-0.081 χ^2/NDF : 8598960.9/32

All: 506.872+/-0.058 χ^2/NDF : 18726800.3/60

- sign 509.690+/-0.082 χ^2/NDF : 10125513.9/33

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 21.917 ± 33.675 χ^2/NDF : 2.3/7

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -80.936 ± 29.681 χ^2/NDF : 7.4/10

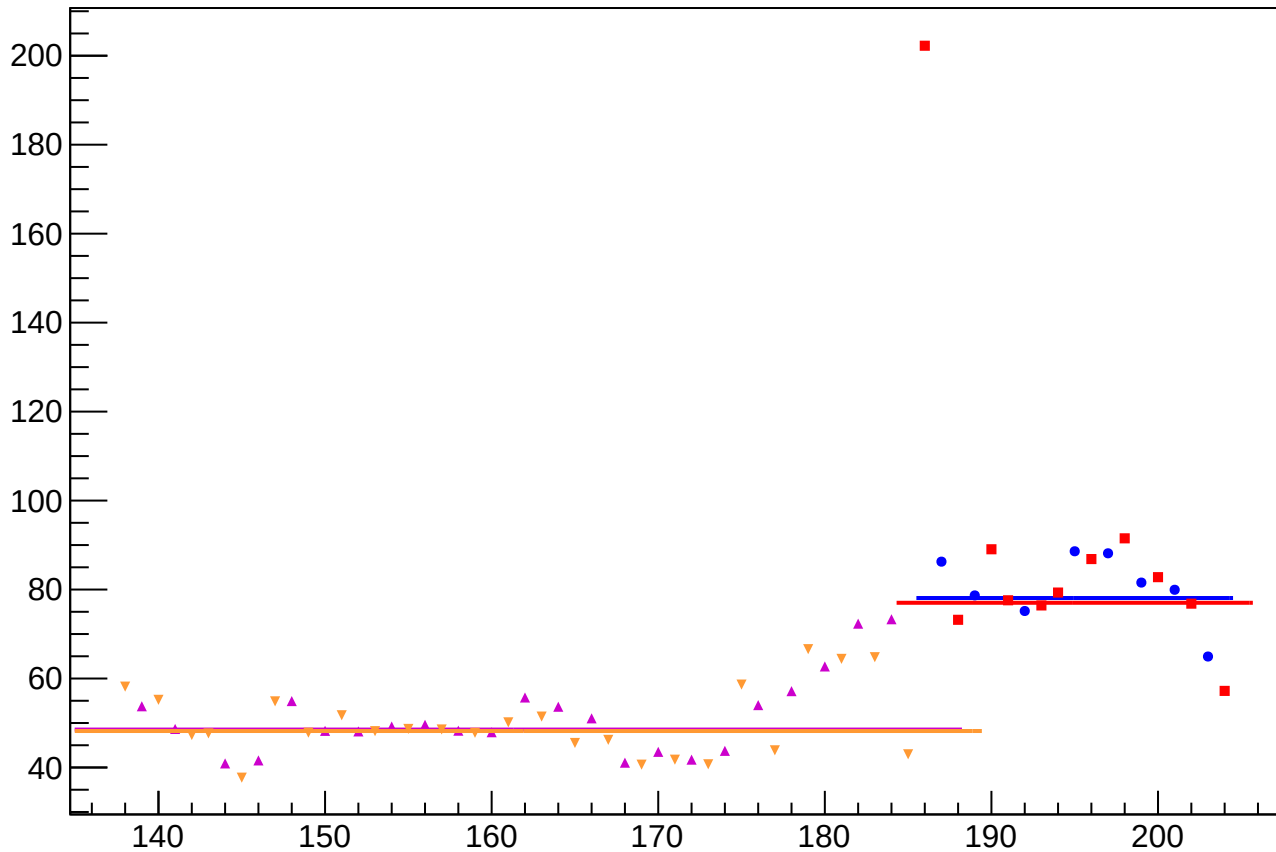
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -31.322 ± 10.789 χ^2/NDF : 35.6/32

All: -13.585 ± 7.687 χ^2/NDF : 81.1/66

- sign 4.702 ± 10.955 χ^2/NDF : 40.0/33

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 78.097+/-0.024 χ^2/NDF : 115961.4/7

Left Out: 48.200+/-0.008 χ^2/NDF : 750196.2/24

Right Out: 77.027+/-0.021 χ^2/NDF : 533084.0/10

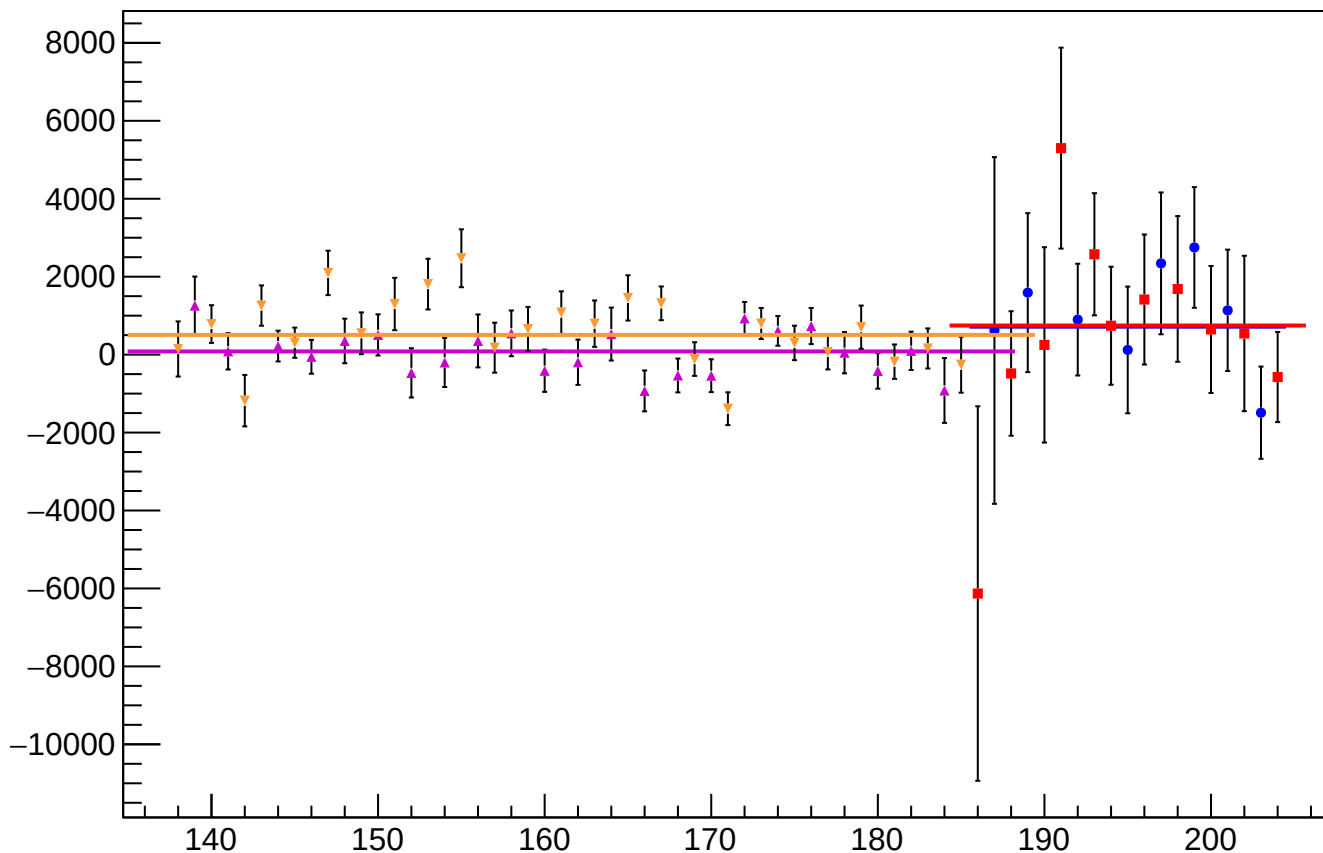
Left In: 48.527+/-0.008 χ^2/NDF : 675340.8/22

+ sign 51.269+/-0.008 χ^2/NDF : 2280821.7/32

All: 51.830+/-0.005 χ^2/NDF : 5093024.3/66

- sign 52.410+/-0.008 χ^2/NDF : 2801193.9/33

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 718.246 $\pm$ 577.319 χ^2/NDF : 6.4/7

Left Out: 506.205 $\pm$ 103.468 χ^2/NDF : 65.7/24

Right Out: 746.771 $\pm$ 526.384 χ^2/NDF : 8.9/10

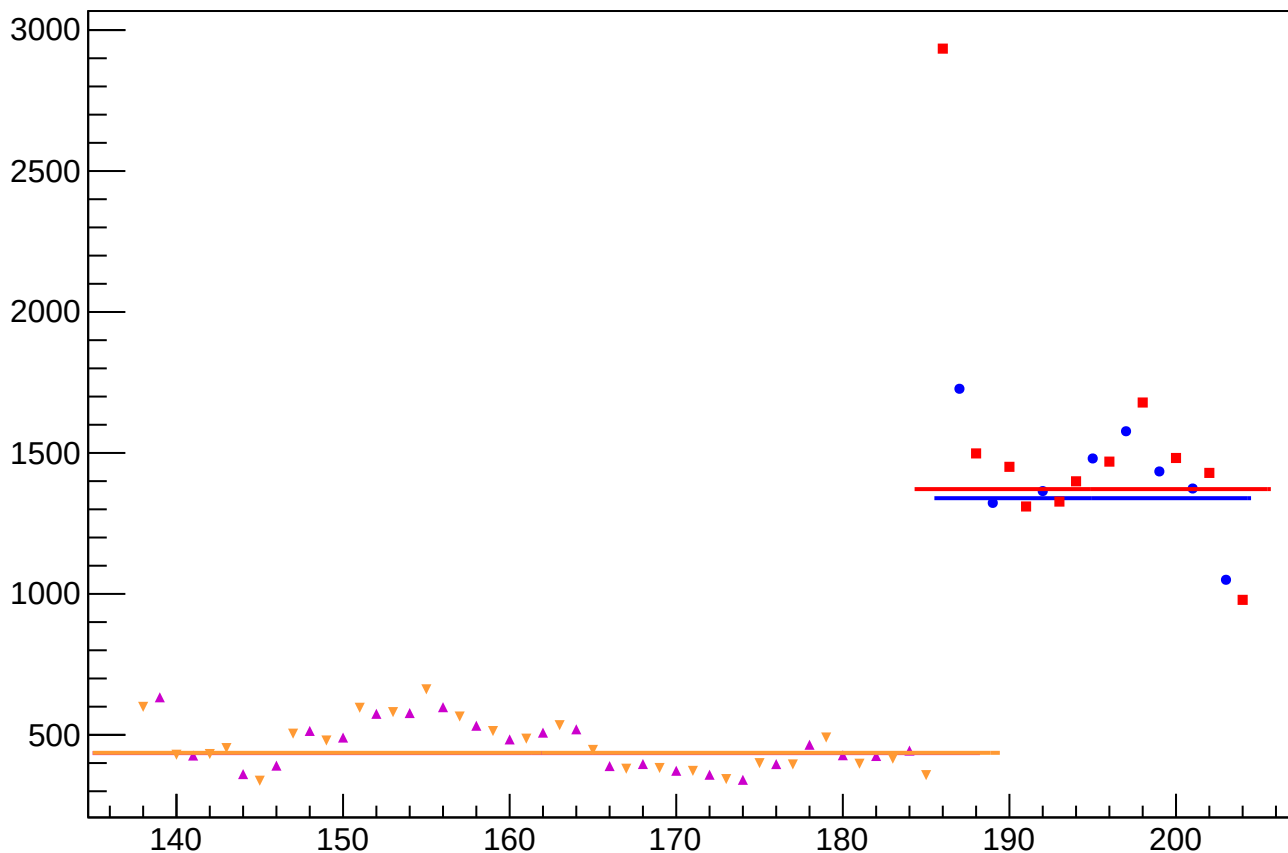
Left In: 82.421 $\pm$ 105.935 χ^2/NDF : 25.3/22

+ sign 512.804 $\pm$ 101.845 χ^2/NDF : 72.2/32

All: 314.491 $\pm$ 72.715 χ^2/NDF : 115.8/66

- sign 108.281 $\pm$ 103.853 χ^2/NDF : 35.8/33

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1339.514 $\pm$ 0.408 χ^2 /NDF: 193070.8/7

Left Out: 436.301 $\pm$ 0.073 χ^2 /NDF: 1179348.4/24

Right Out: 1371.747 $\pm$ 0.372 χ^2 /NDF: 531668.6/10

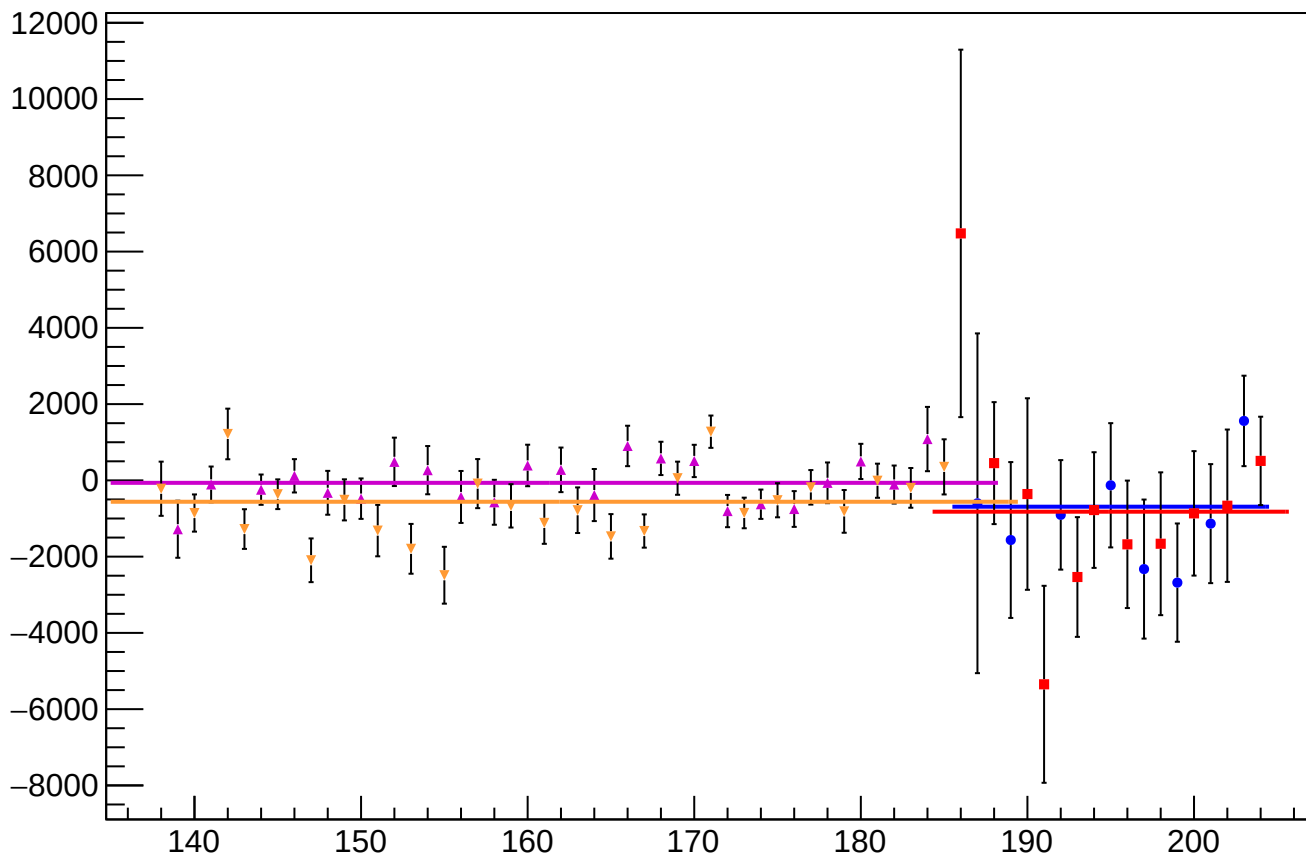
Left In: 435.275 $\pm$ 0.075 χ^2 /NDF: 1027713.1/22

+ sign 464.410 $\pm$ 0.072 χ^2 /NDF: 6115363.5/32

All: 467.997 $\pm$ 0.051 χ^2 /NDF: 13763551.8/66

- sign 471.727 $\pm$ 0.073 χ^2 /NDF: 7643126.8/33

asym_sam_15_48_dd_mean vs Slug



Right In: -690.399 ± 578.390 χ^2/NDF : 6.5/7

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -821.534 ± 527.303 χ^2/NDF : 9.0/10

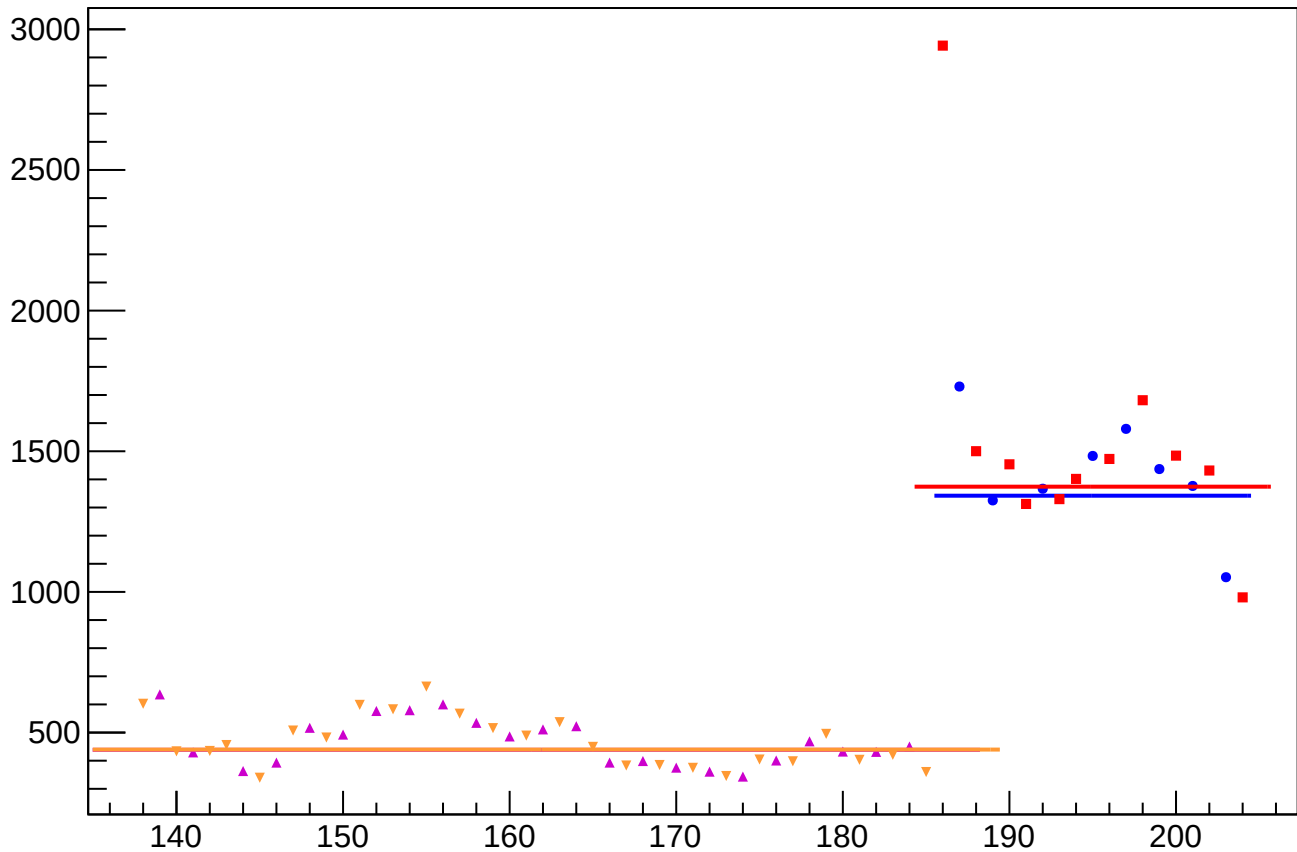
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -564.762 ± 102.556 χ^2/NDF : 68.3/32

All: -334.180 ± 73.226 χ^2/NDF : 114.7/66

- sign -94.373 ± 104.588 χ^2/NDF : 36.2/33

asym_sam_15_48_dd_rms vs Slug



Right In: 1342.028 ± 0.409 $\chi^2/\text{NDF}: 192732.0/7$

Left Out: 439.527 ± 0.074 $\chi^2/\text{NDF}: 1163352.8/24$

Right Out: 1374.137 ± 0.373 $\chi^2/\text{NDF}: 531797.2/10$

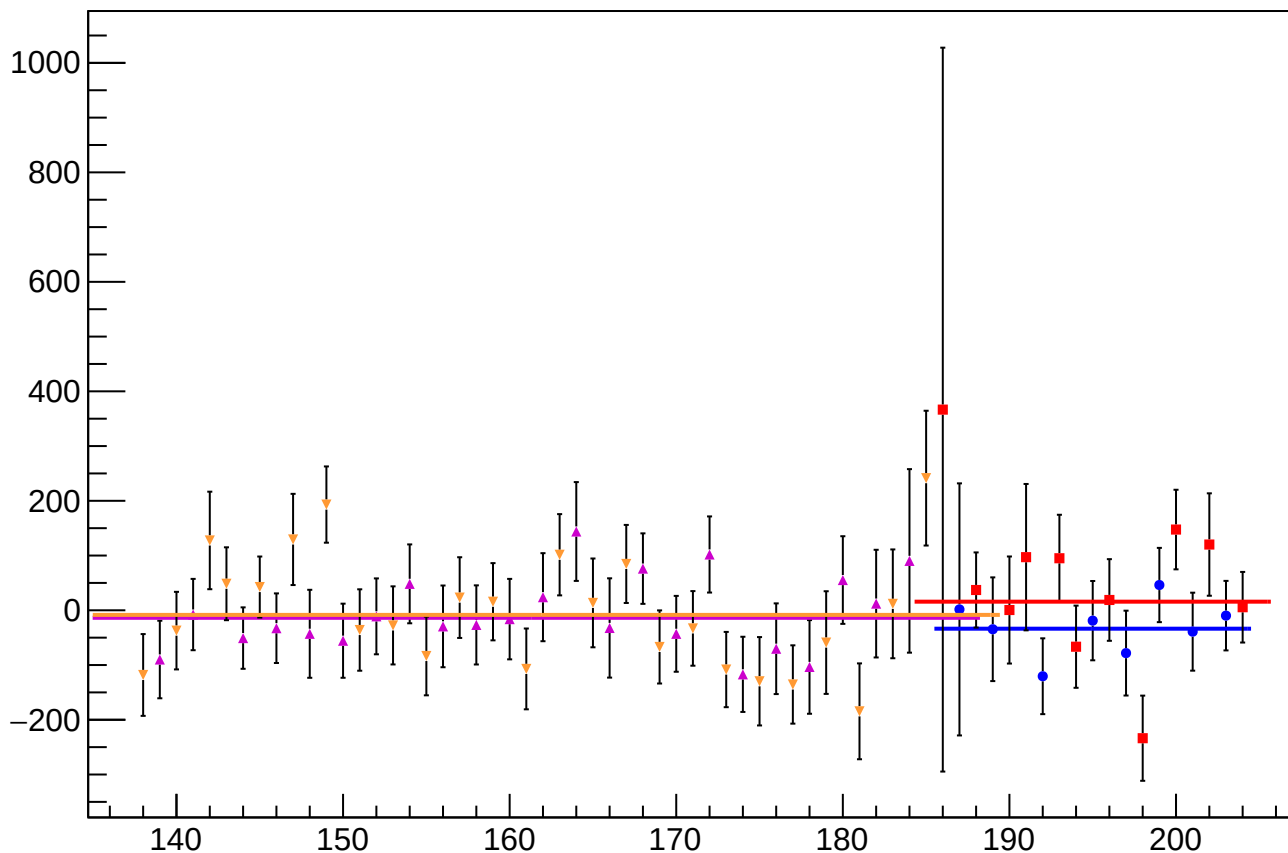
Left In: 438.548 ± 0.075 $\chi^2/\text{NDF}: 1013071.4/22$

+ sign 467.901 ± 0.073 $\chi^2/\text{NDF}: 6072488.6/32$

All: 471.555 ± 0.052 $\chi^2/\text{NDF}: 13671075.3/60$

- sign 475.354 ± 0.074 $\chi^2/\text{NDF}: 7593409.2/33$

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -33.620 ± 27.135 χ^2/NDF : 3.5/7

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 15.751 ± 25.001 χ^2/NDF : 17.8/10

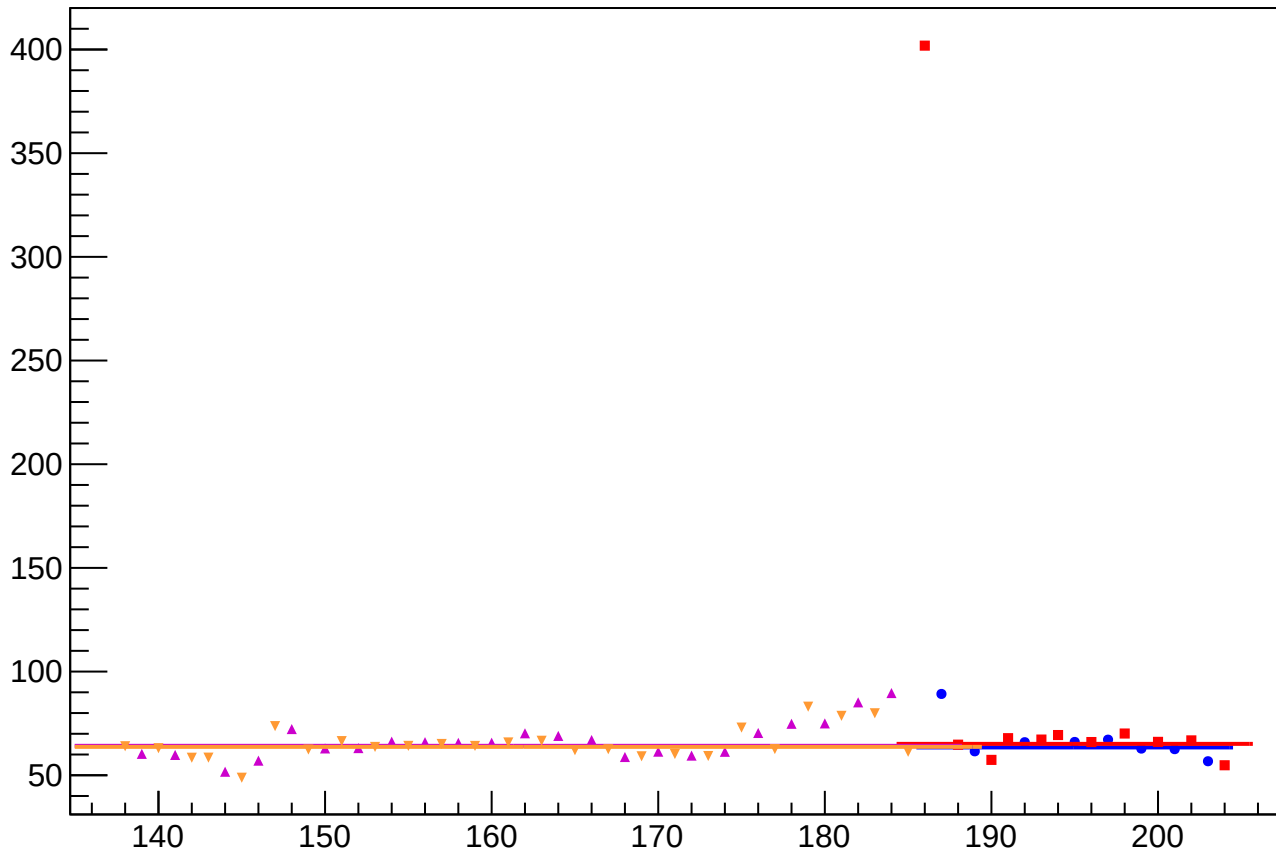
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -14.276 ± 13.084 χ^2/NDF : 45.8/32

All: -9.942 ± 9.279 χ^2/NDF : 81.1/66

- sign -5.556 ± 13.160 χ^2/NDF : 35.1/33

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 63.415 $\pm$ 0.019 χ^2 /NDF: 58288.2/7

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 65.134 $\pm$ 0.018 χ^2 /NDF: 600549.9/10

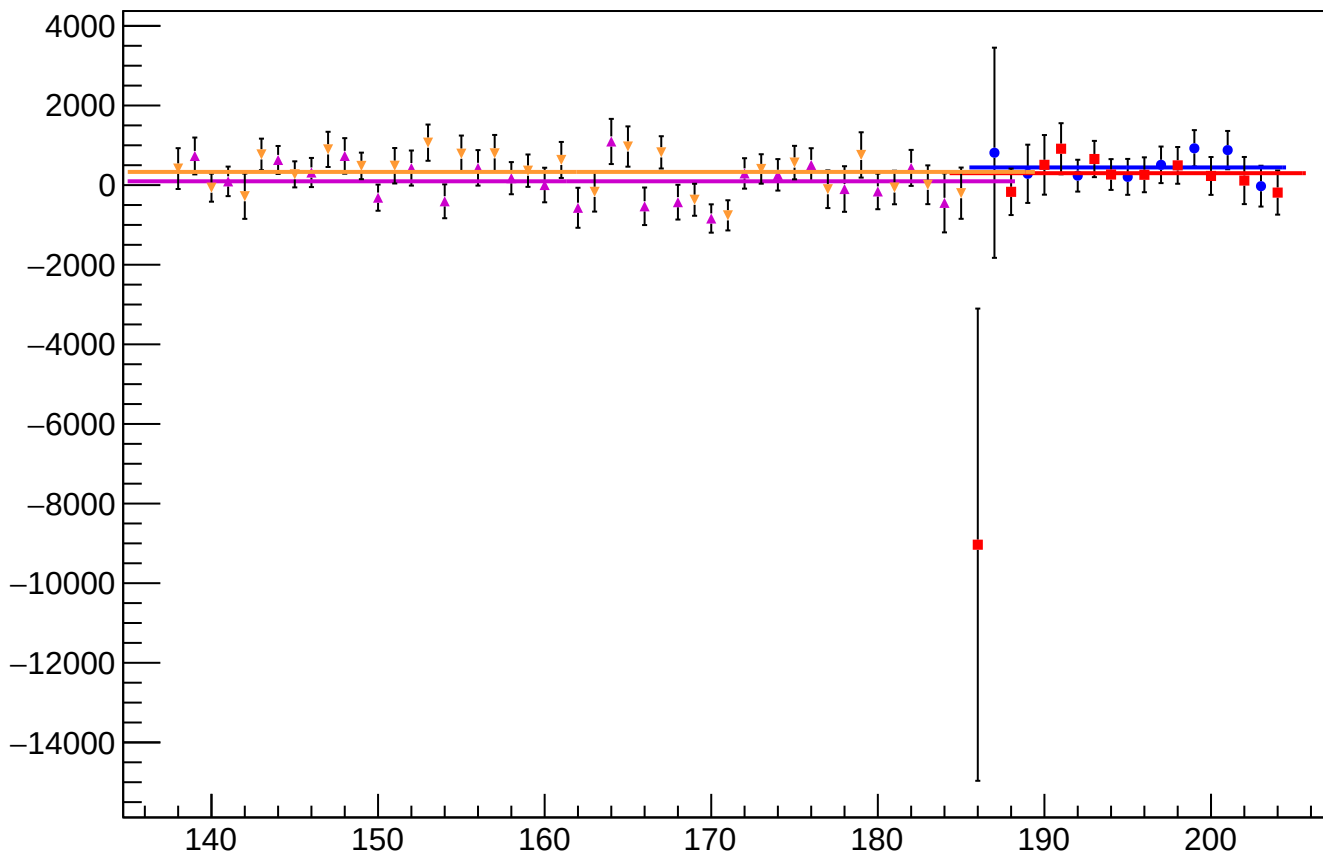
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.631 $\pm$ 0.009 χ^2 /NDF: 506892.7/32

All: 64.038 $\pm$ 0.007 χ^2 /NDF: 1543086.0/66

- sign 64.451 $\pm$ 0.009 χ^2 /NDF: 1032284.9/33

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 444.181 ± 180.062 χ^2/NDF : 3.4/7

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: 299.652 ± 159.871 χ^2/NDF : 5.8/10

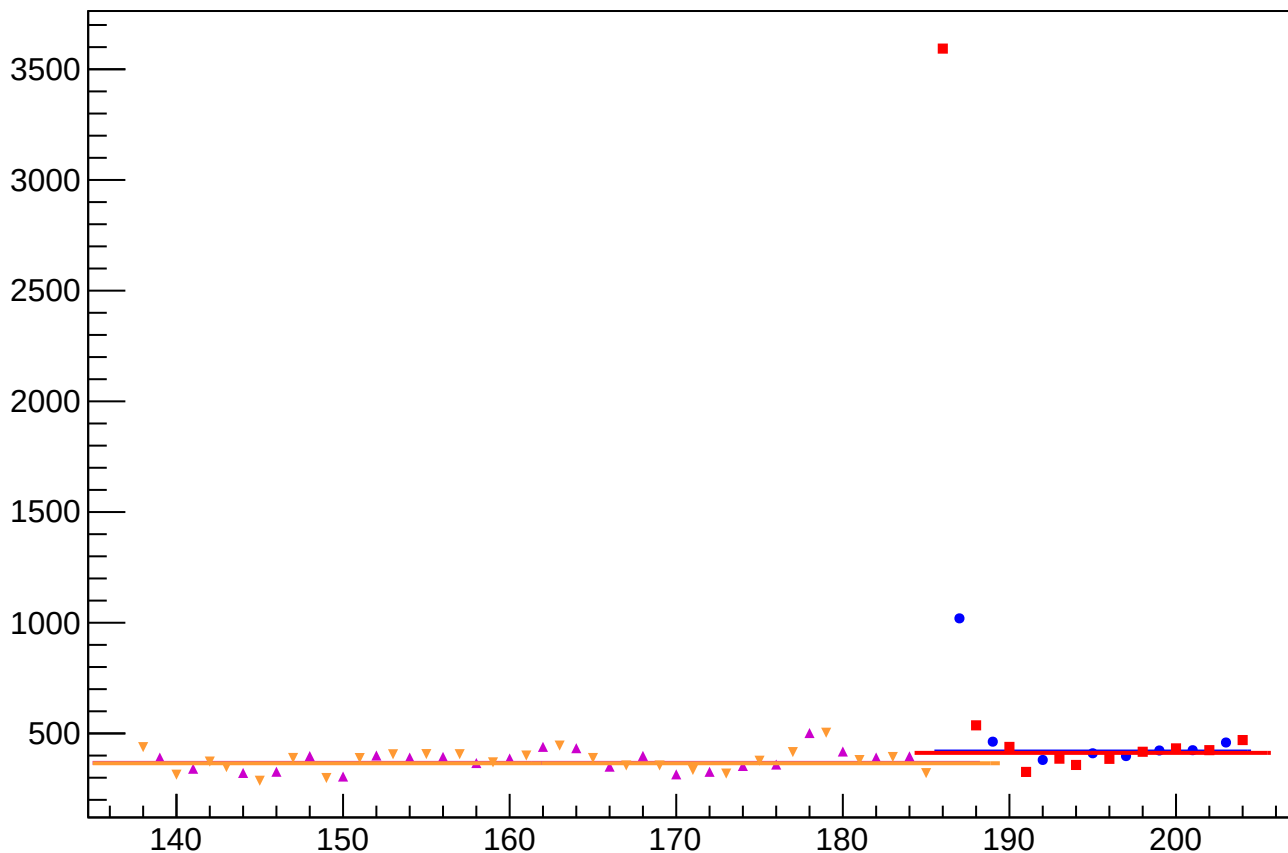
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 352.652 ± 77.655 χ^2/NDF : 33.6/32

All: 248.075 ± 54.867 χ^2/NDF : 73.0/66

- sign 143.829 ± 77.532 χ^2/NDF : 35.7/33

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 418.255+/-0.127 χ^2/NDF : 147065.0/7

Left Out: 365.355+/-0.061 χ^2/NDF : 618453.7/24

Right Out: 412.212+/-0.113 χ^2/NDF : 785522.1/10

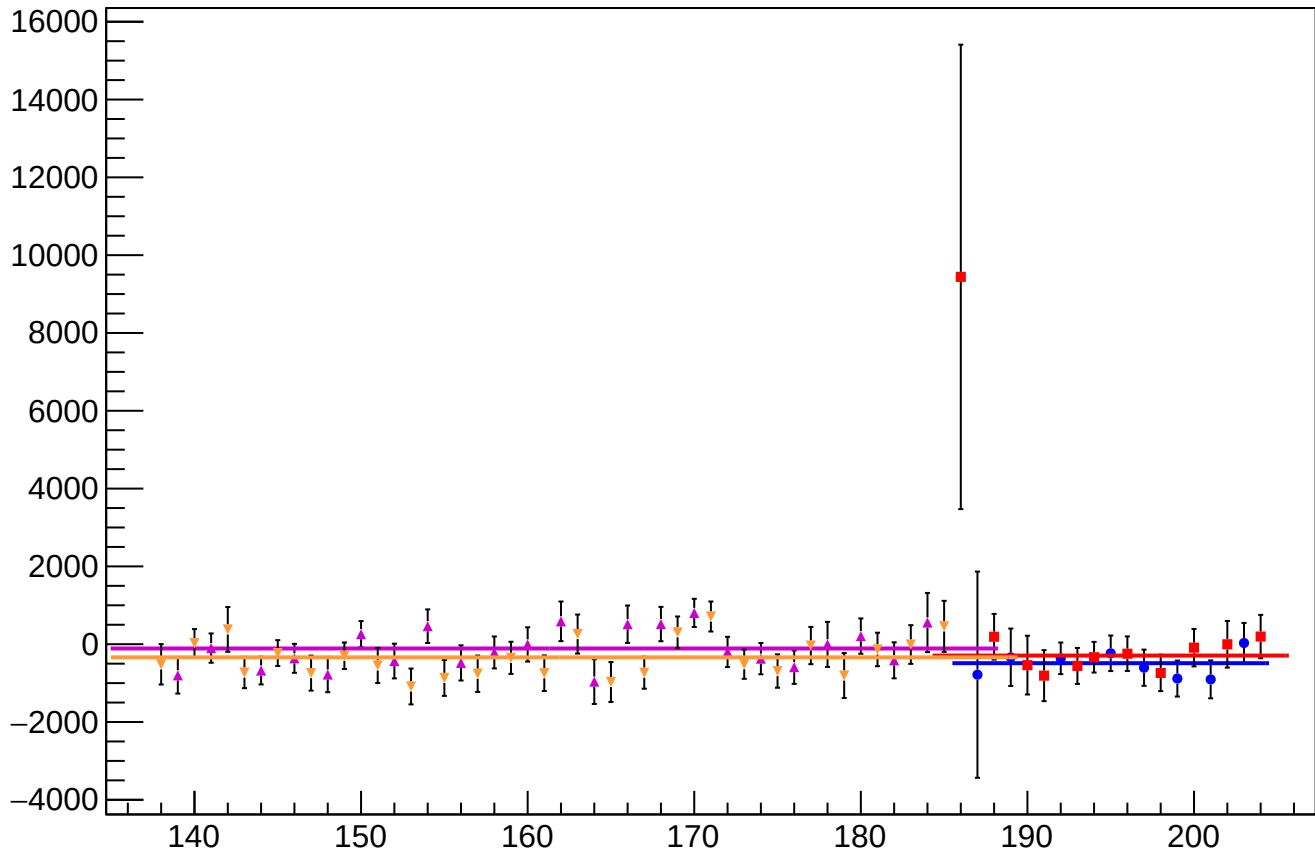
Left In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

+ sign 375.194+/-0.055 χ^2/NDF : 906033.6/32

All: 376.387+/-0.039 χ^2/NDF : 2293319.6/66

- sign 377.576+/-0.055 χ^2/NDF : 1386343.9/33

asym_sam_37_48_dd_mean vs Slug



Right In: -488.016 ± 182.278 χ^2/NDF : 3.0/7

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -292.393 ± 162.109 χ^2/NDF : 6.5/10

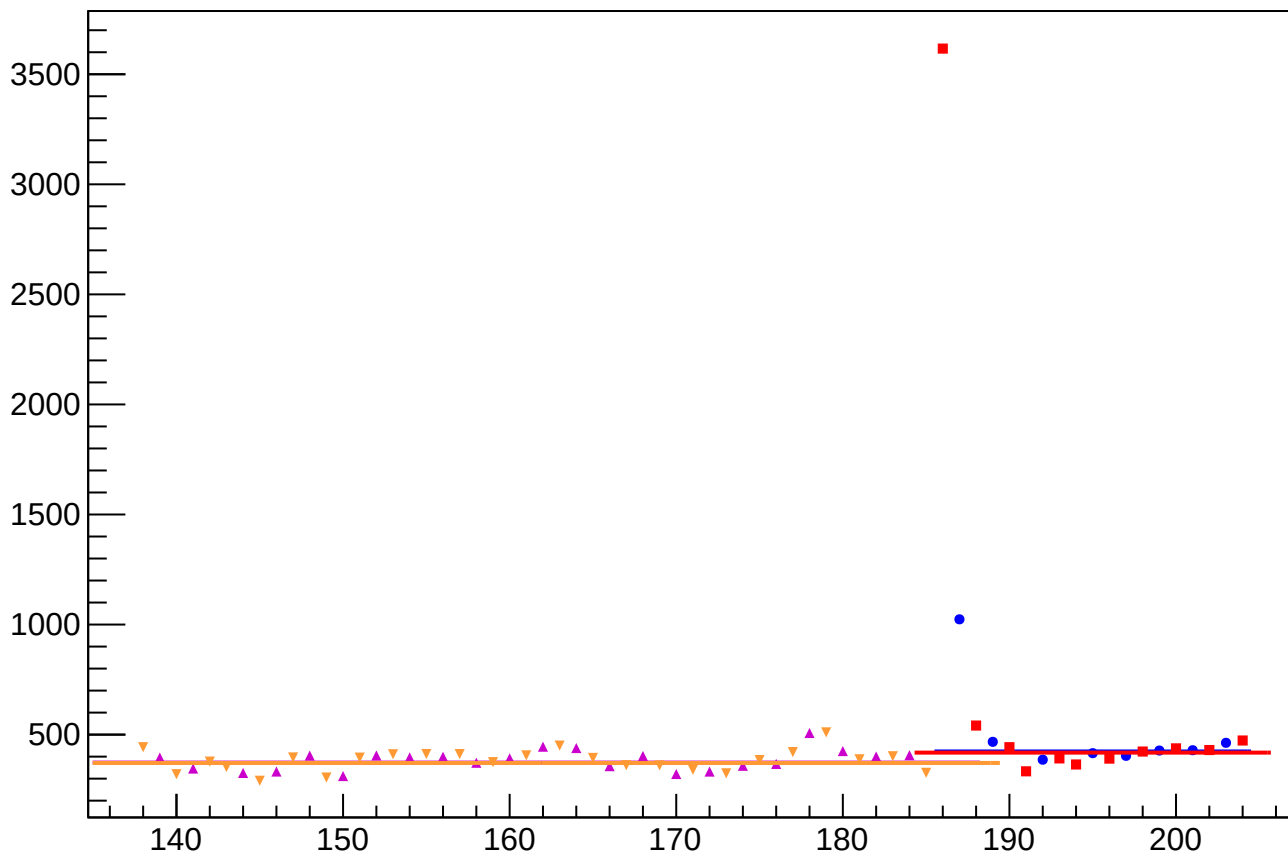
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -366.498 ± 78.846 χ^2/NDF : 31.8/32

All: -259.757 ± 55.716 χ^2/NDF : 72.1/66

- sign -153.294 ± 78.743 χ^2/NDF : 36.7/33

asym_sam_37_48_dd_rms vs Slug



Right In: 423.526+/-0.129 χ^2/NDF : 142866.6/7

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 418.239+/-0.115 χ^2/NDF : 772430.3/10

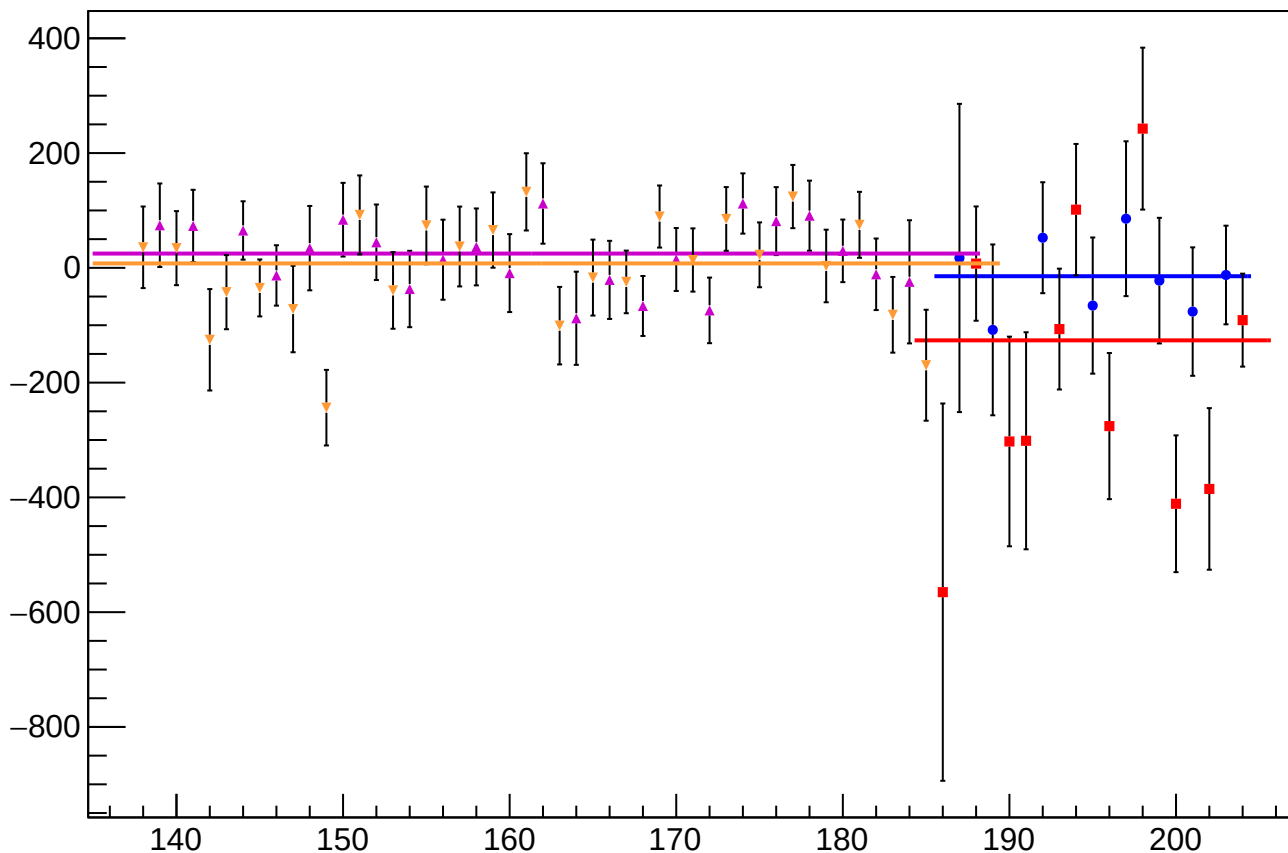
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 381.117+/-0.056 χ^2/NDF : 880118.4/32

All: 382.373+/-0.039 χ^2/NDF : 2240234.5/66

- sign 383.626+/-0.056 χ^2/NDF : 1359102.3/33

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -14.592 ± 41.145 χ^2/NDF : 1.9/7

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -126.371 ± 37.275 χ^2/NDF : 26.9/10

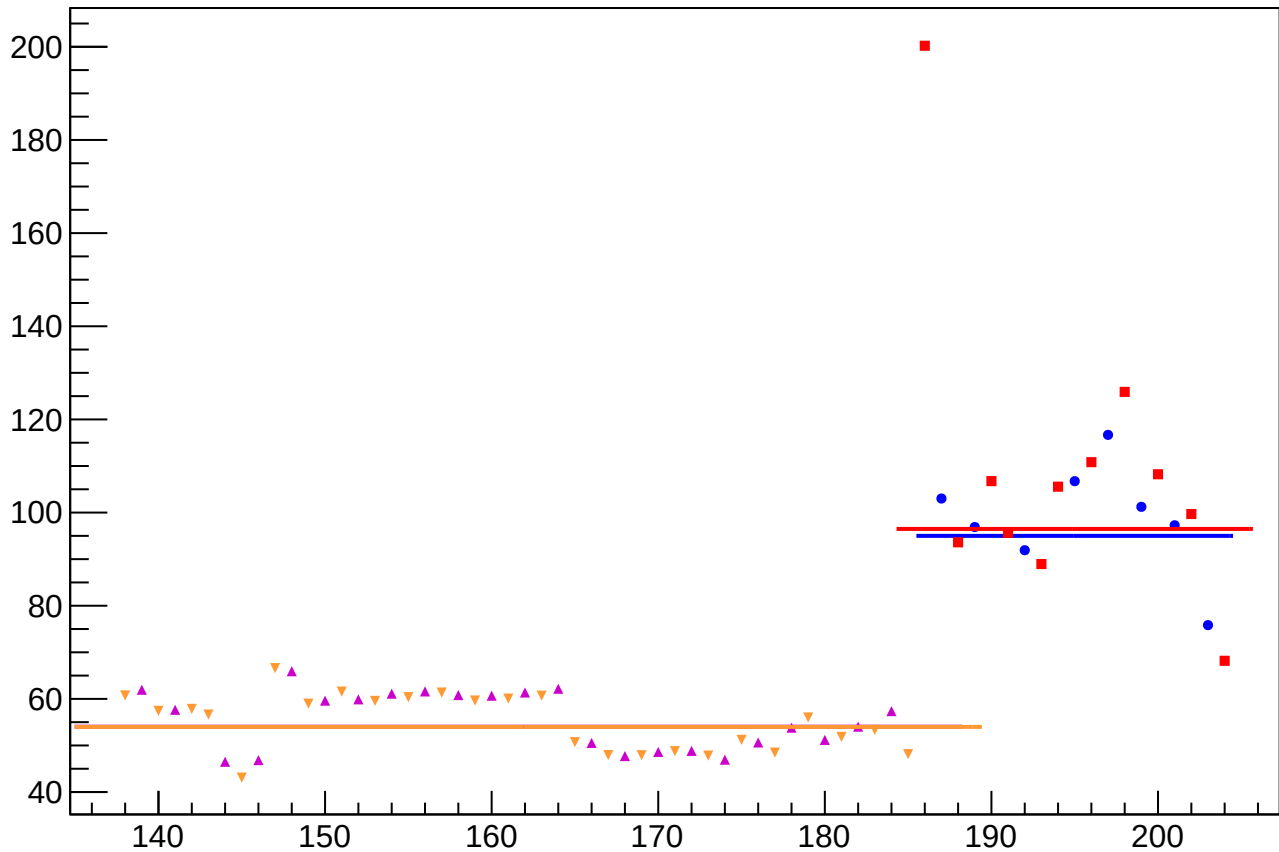
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 5.795 ± 12.096 χ^2/NDF : 47.6/32

All: 7.085 ± 8.624 χ^2/NDF : 108.9/66

- sign 8.420 ± 12.299 χ^2/NDF : 61.3/33

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 95.000 $\pm$ 0.029 χ^2 /NDF: 182120.8/7

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 96.491 $\pm$ 0.026 χ^2 /NDF: 607064.7/10

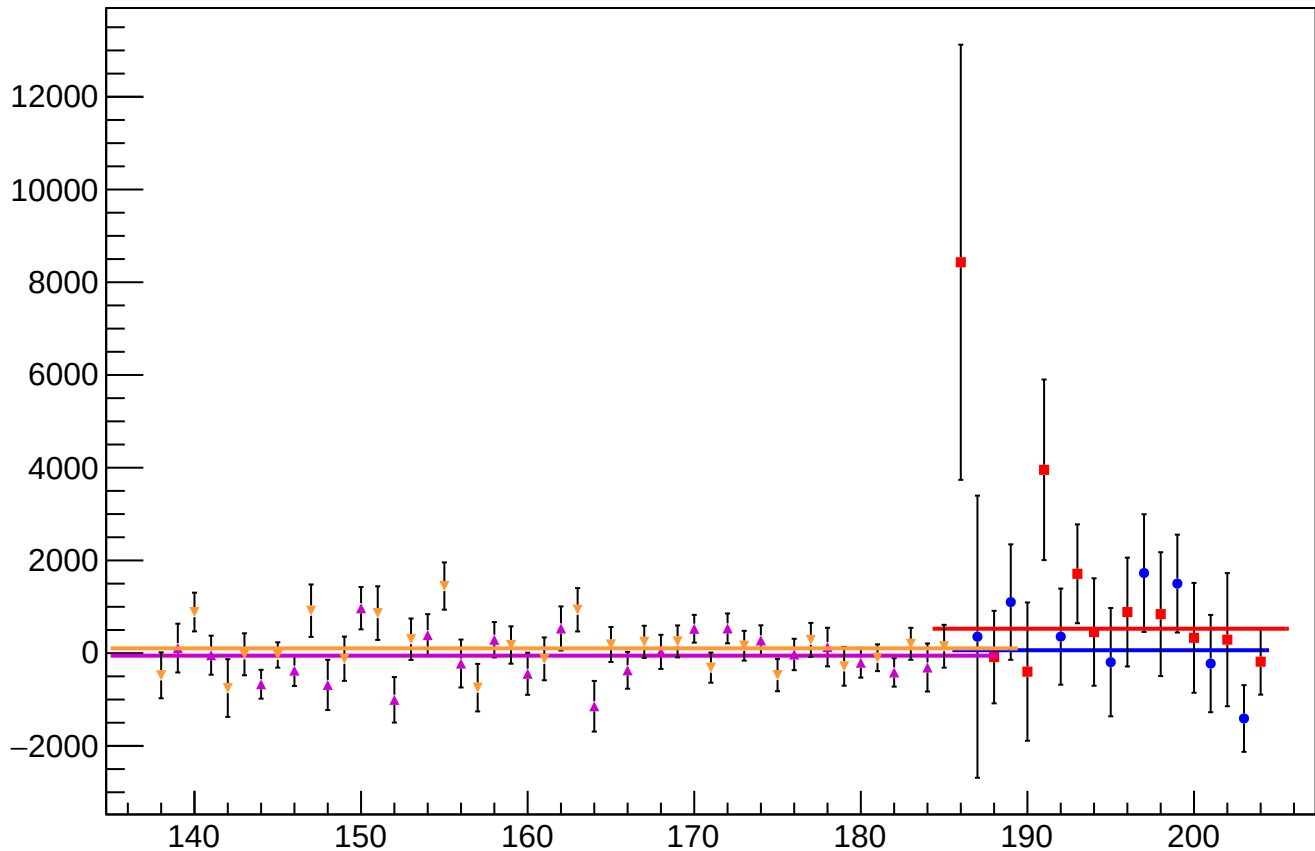
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 57.529 $\pm$ 0.009 χ^2 /NDF: 2456841.0/32

All: 58.081 $\pm$ 0.006 χ^2 /NDF: 5829172.4/66

- sign 58.651 $\pm$ 0.009 χ^2 /NDF: 3363872.3/33

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 63.241 ± 384.091 $\chi^2/\text{NDF}: 8.7/7$

Left Out: 103.768 ± 79.344 $\chi^2/\text{NDF}: 31.0/24$

Right Out: 527.189 ± 356.938 $\chi^2/\text{NDF}: 9.1/10$

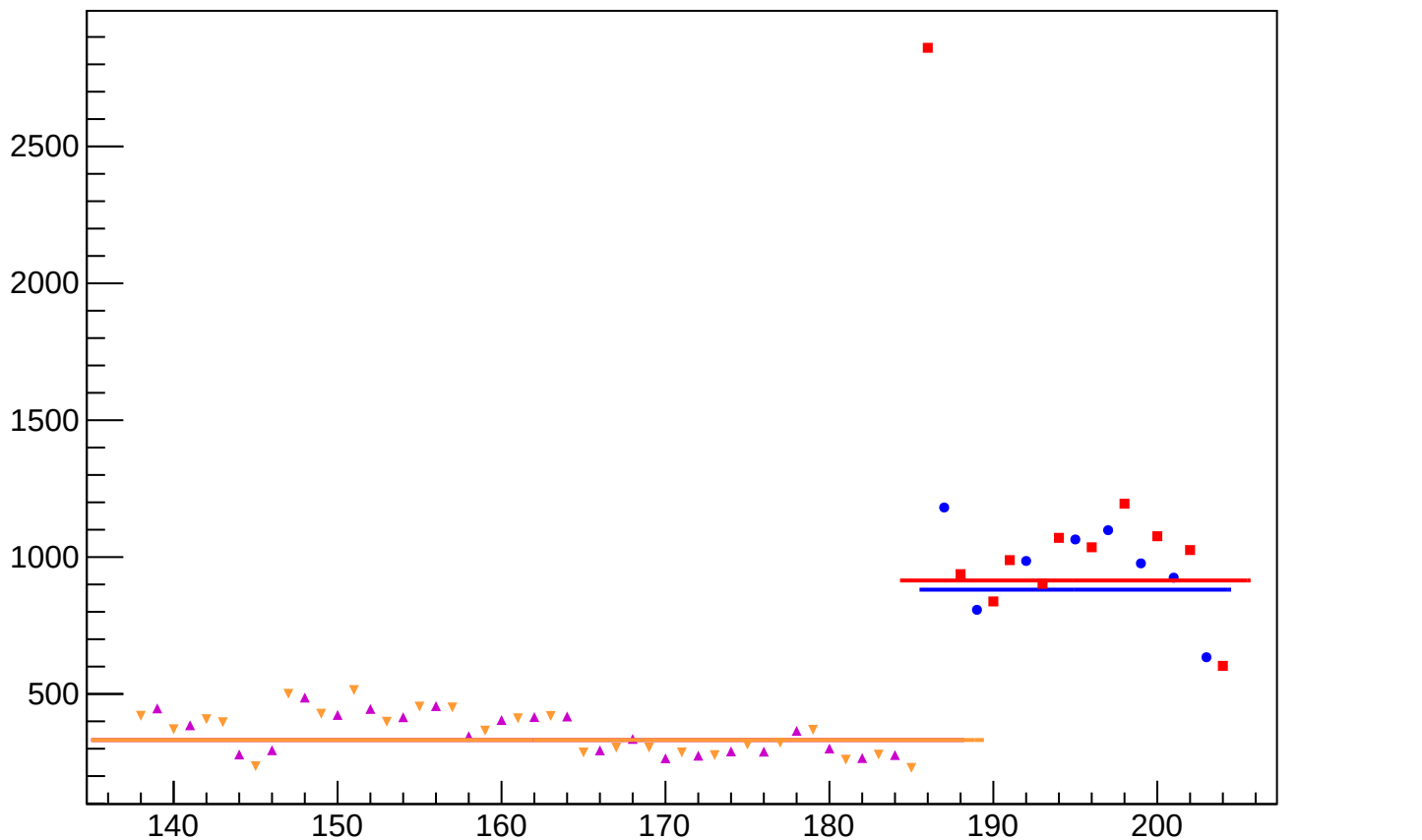
Left In: -53.493 ± 81.201 $\chi^2/\text{NDF}: 34.1/22$

+ sign 102.109 ± 77.703 $\chi^2/\text{NDF}: 39.7/32$

All: 39.789 ± 55.459 $\chi^2/\text{NDF}: 86.7/66$

- sign -24.920 ± 79.178 $\chi^2/\text{NDF}: 45.8/33$

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 880.993 $\pm$ 0.272 χ^2 /NDF: 410776.8/7

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF:1711721.9/24

Right Out: 914.518 $\pm$ 0.252 χ^2 /NDF: 932770.8/10

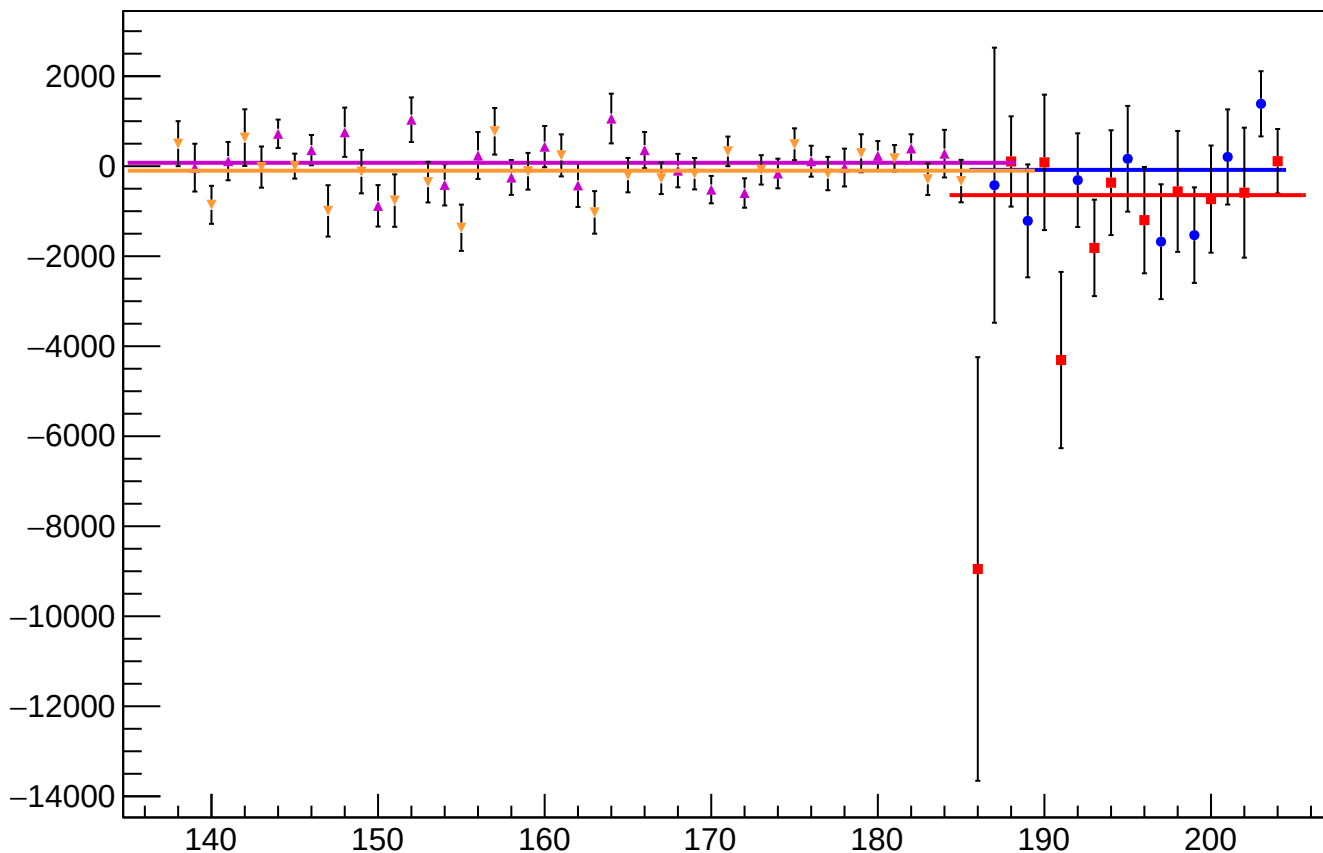
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF:1303192.2/22

+ sign 354.249 $\pm$ 0.055 χ^2 /NDF: 6044527.1/32

All: 357.240 $\pm$ 0.039 χ^2 /NDF: 13356989.0/60

- sign 360.346 $\pm$ 0.056 χ^2 /NDF: 7306420.2/33

asym_sam_15_26_dd_mean vs Slug



Right In: -81.761 ± 386.557 χ^2/NDF : 8.5/7

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -643.164 ± 359.082 χ^2/NDF : 10.0/10

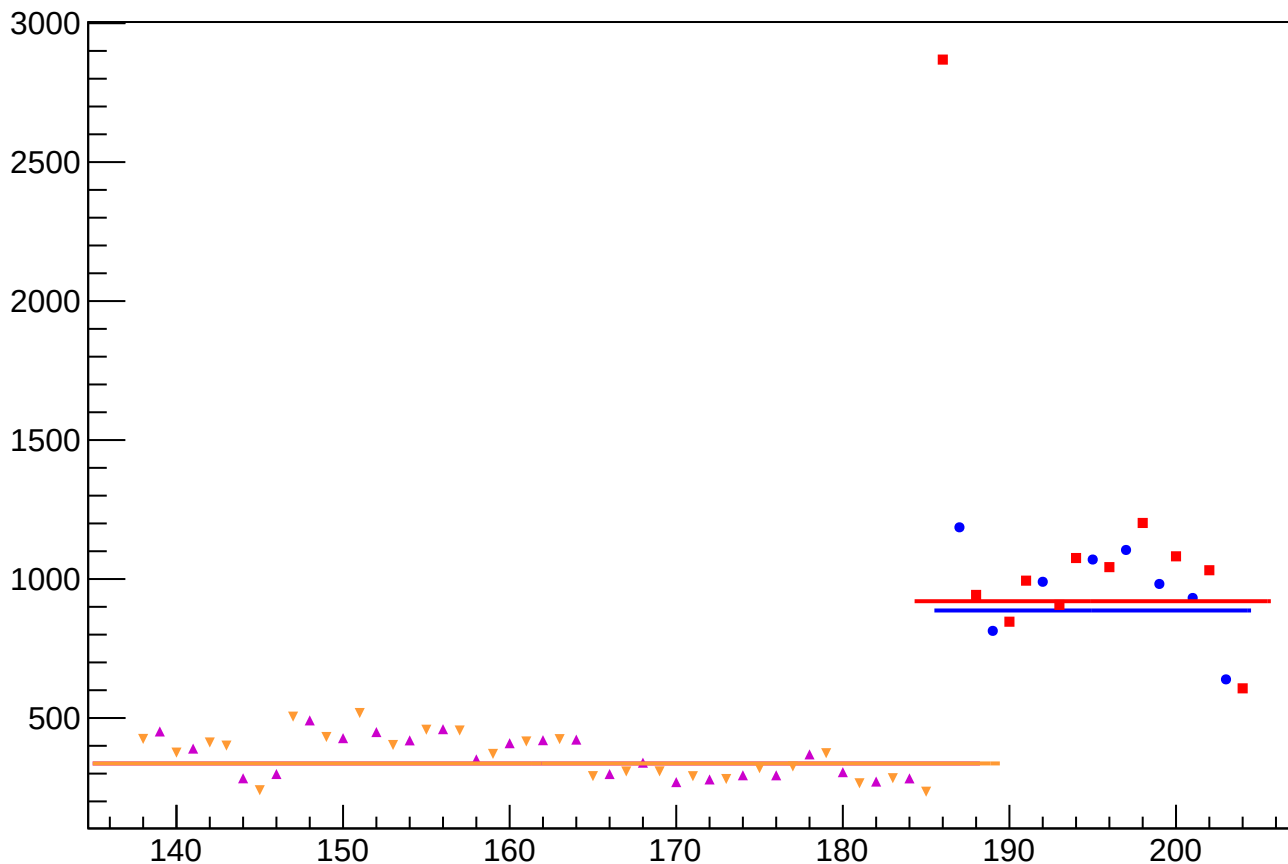
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -99.037 ± 78.742 χ^2/NDF : 39.2/32

All: -30.977 ± 56.200 χ^2/NDF : 86.6/66

- sign 39.692 ± 80.237 χ^2/NDF : 45.9/33

asym_sam_15_26_dd_rms vs Slug



Right In: 886.831+/-0.273 χ^2/NDF : 406665.5/7

Left Out: 336.557+/-0.057 χ^2/NDF :1665919.4/24

Right Out: 920.210+/-0.254 χ^2/NDF : 928757.7/10

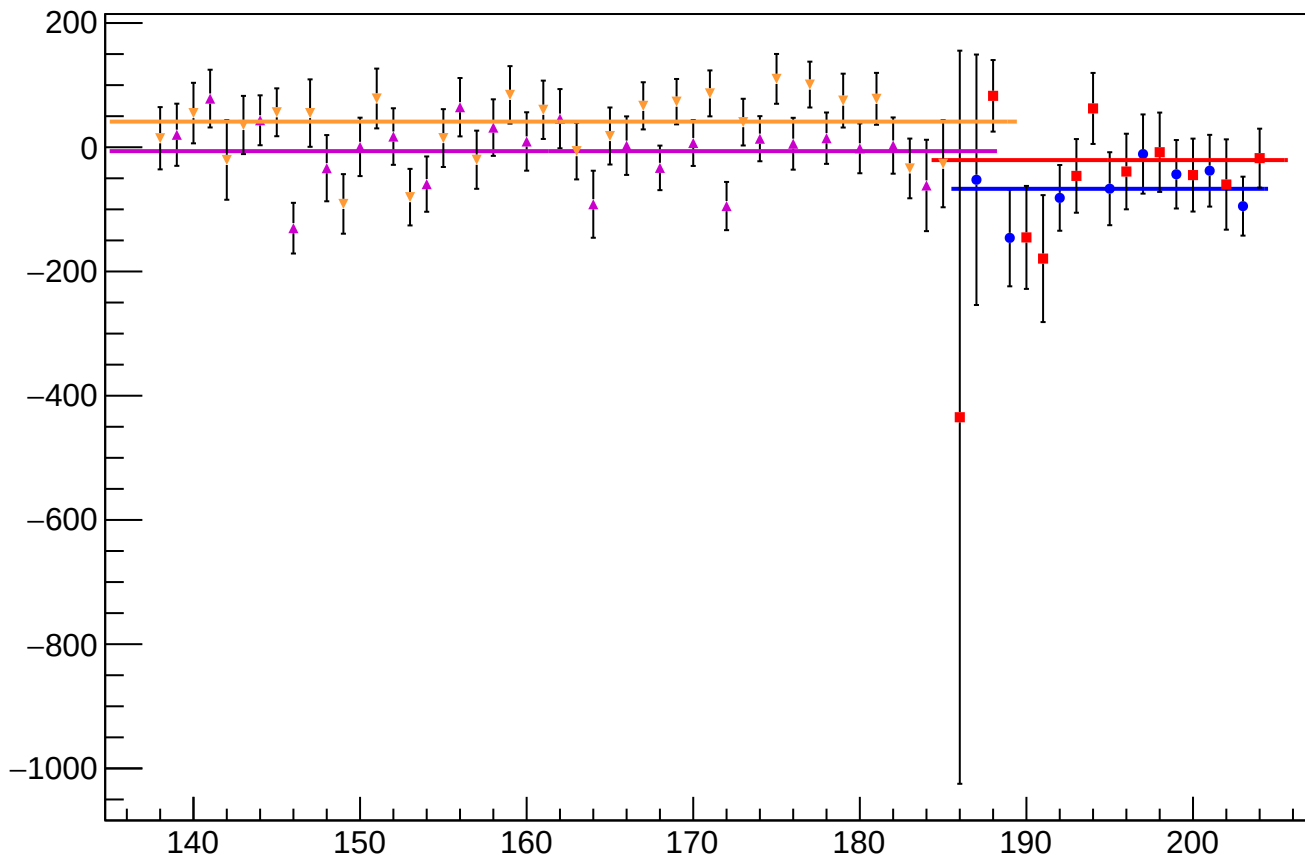
Left In: 336.439+/-0.058 χ^2/NDF :1269066.3/22

+ sign 359.390+/-0.056 χ^2/NDF : 5957268.1/32

All: 362.431+/-0.040 χ^2/NDF : 13183238.6/60

- sign 365.587+/-0.057 χ^2/NDF : 7219893.2/33

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -66.915 ± 21.540 χ^2/NDF : 2.7/7

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -20.694 ± 19.708 χ^2/NDF : 11.3/10

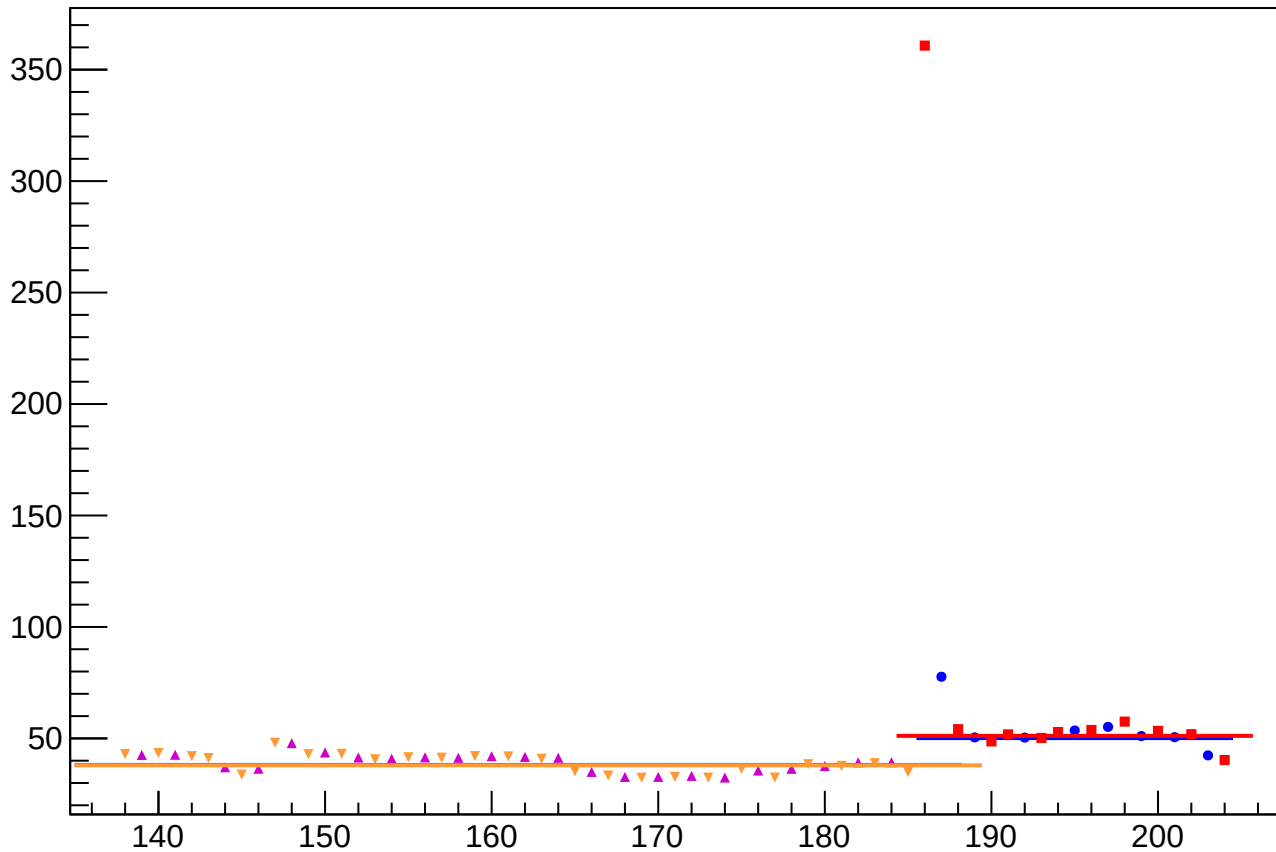
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 25.538 ± 8.217 χ^2/NDF : 58.6/32

All: 8.565 ± 5.846 χ^2/NDF : 109.2/66

- sign -8.826 ± 8.318 χ^2/NDF : 42.0/33

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 50.142 $\pm$ 0.015 χ^2 /NDF: 110612.3/7

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 51.143 $\pm$ 0.014 χ^2 /NDF: 691733.1/10

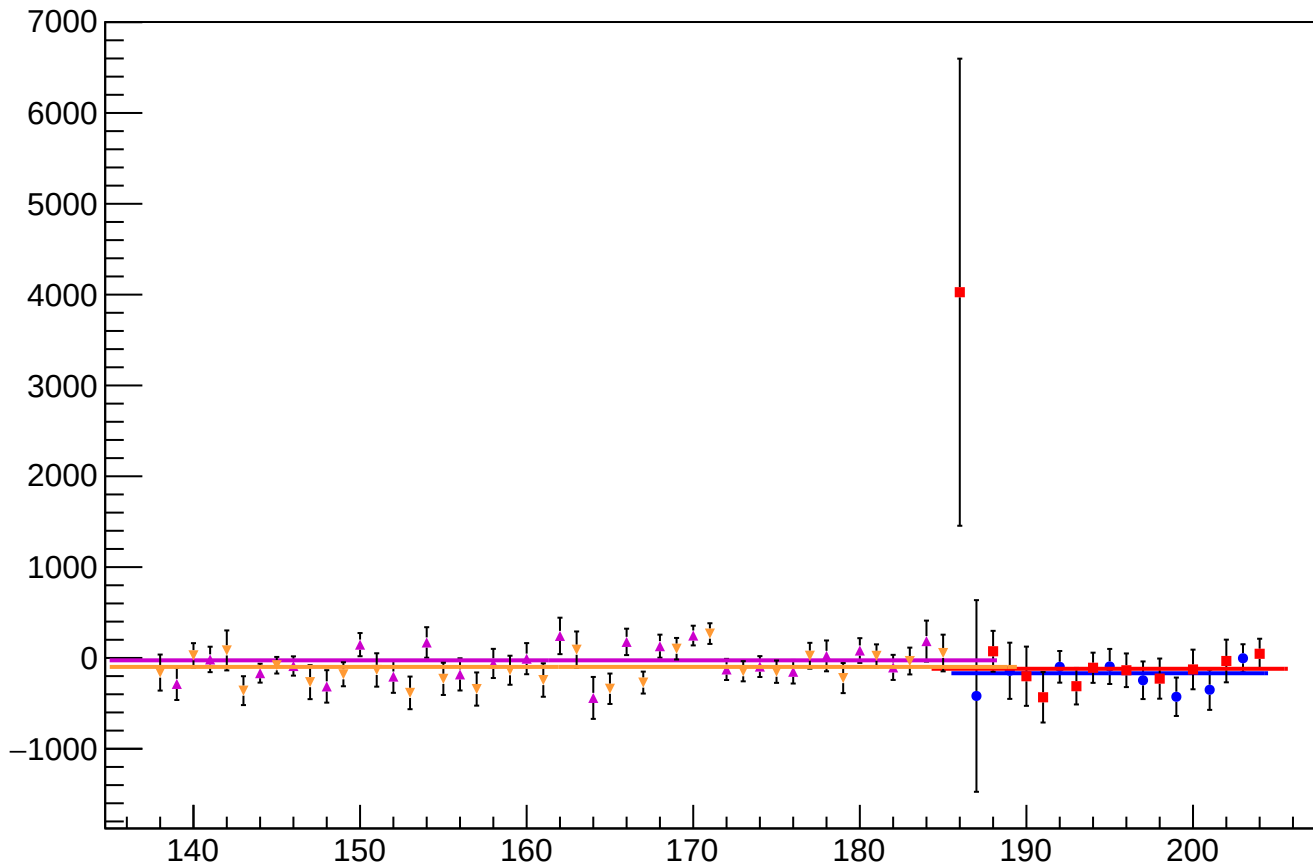
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 39.703 $\pm$ 0.006 χ^2 /NDF: 1147442.1/32

All: 40.053 $\pm$ 0.004 χ^2 /NDF: 2964208.1/66

- sign 40.413 $\pm$ 0.006 χ^2 /NDF: 1809395.9/33

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -168.412 $\pm$ 74.694 χ^2 /NDF: 3.8/7

Left Out: -98.741 $\pm$ 29.095 χ^2 /NDF: 32.7/24

Right Out: -119.305 $\pm$ 66.141 χ^2 /NDF: 7.0/10

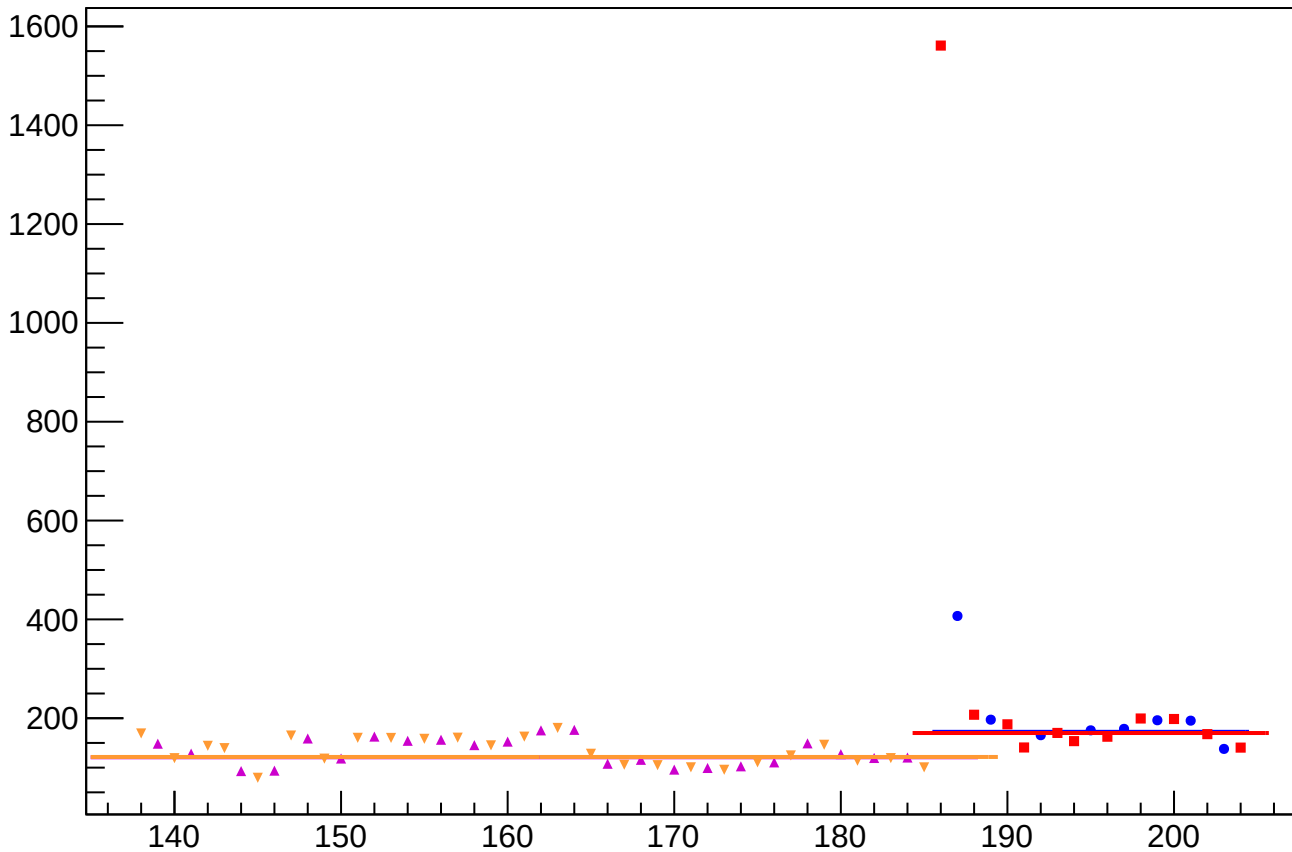
Left In: -26.223 $\pm$ 29.676 χ^2 /NDF: 30.7/22

+ sign -107.920 $\pm$ 27.111 χ^2 /NDF: 37.3/32

All: -74.826 $\pm$ 19.158 χ^2 /NDF: 79.6/66

- sign -41.821 $\pm$ 27.075 χ^2 /NDF: 39.3/33

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 172.444 $\pm$ 0.053 χ^2/NDF : 262403.4/7

Left Out: 121.592 $\pm$ 0.021 χ^2/NDF : 1711423.9/24

Right Out: 170.054 $\pm$ 0.047 χ^2/NDF : 823562.1/10

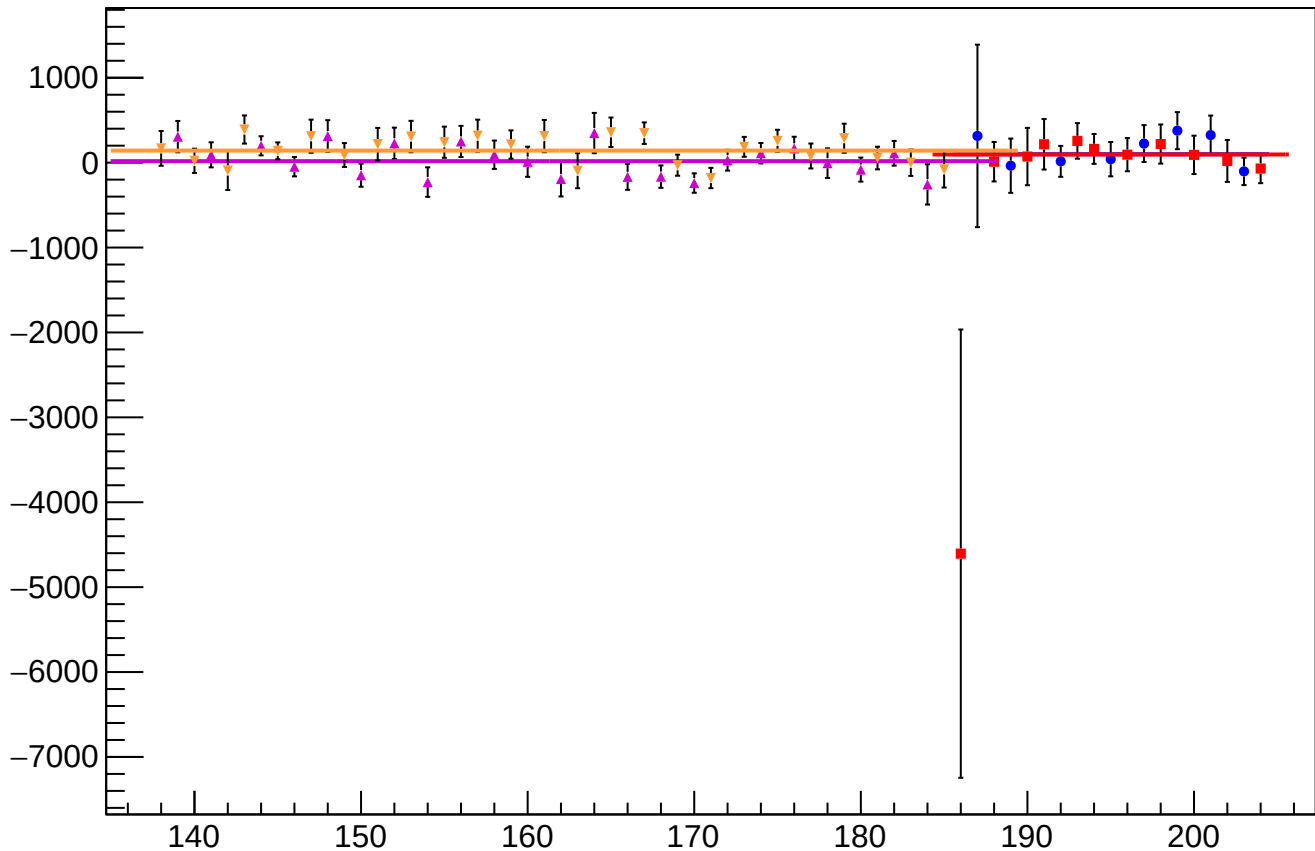
Left In: 120.927 $\pm$ 0.021 χ^2/NDF : 1382861.4/22

+ sign 128.291 $\pm$ 0.019 χ^2/NDF : 2778686.8/32

All: 128.726 $\pm$ 0.014 χ^2/NDF : 5904620.6/66

- sign 129.159 $\pm$ 0.019 χ^2/NDF : 3124907.7/33

asym_sam_37_26_dd_mean vs Slug



Right In: 98.815+/-77.918 χ^2/NDF : 5.0/7

Left Out: 142.014+/-30.574 χ^2/NDF : 26.9/24

Right Out: 96.245+/-69.253 χ^2/NDF : 5.5/10

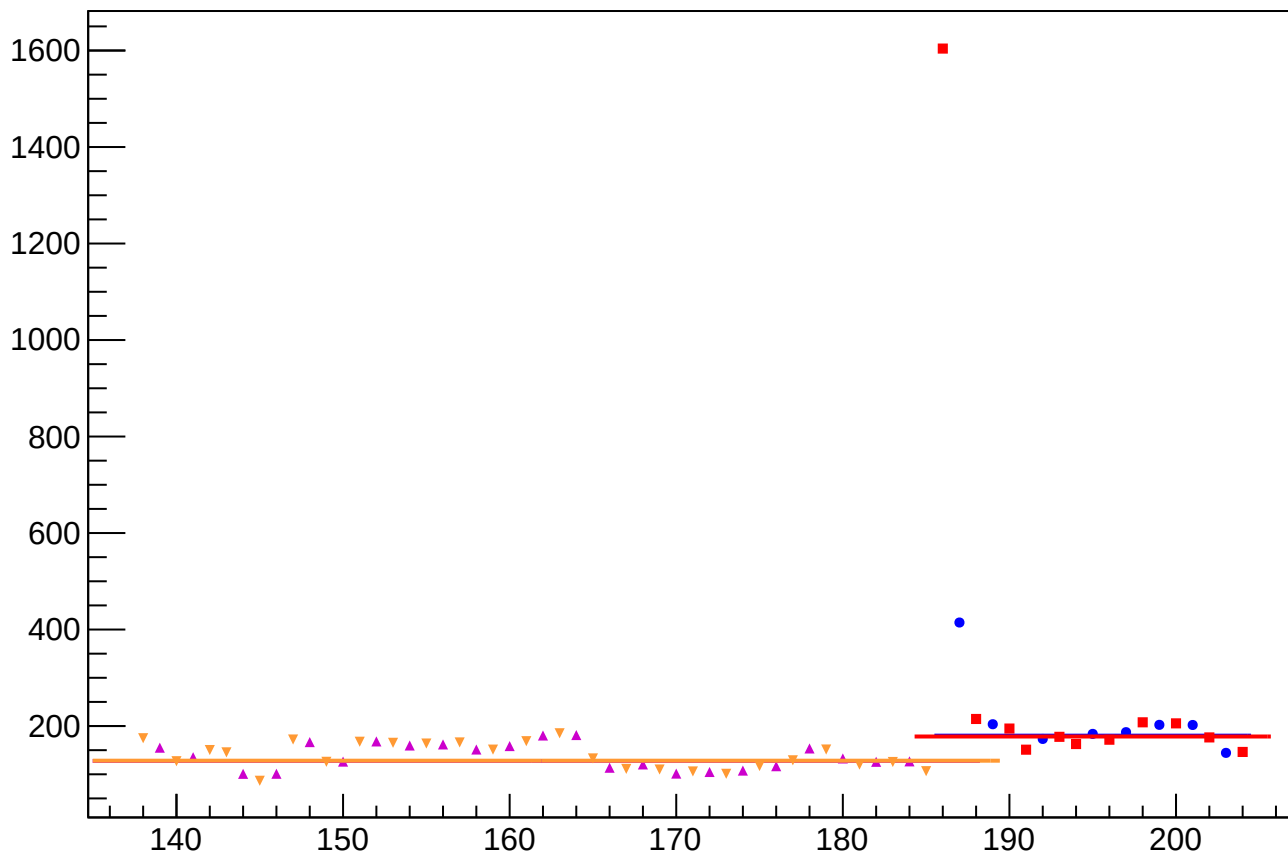
Left In: 17.679+/-31.209 χ^2/NDF : 30.1/22

+ sign 136.250+/-28.462 χ^2/NDF : 32.1/32

All: 83.580+/-20.122 χ^2/NDF : 75.7/66

- sign 30.941+/-28.453 χ^2/NDF : 36.7/33

asym_sam_37_26_dd_rms vs Slug



Right In: 180.056+/-0.055 χ^2/NDF : 249050.6/7

Left Out: 128.175+/-0.022 χ^2/NDF : 1532922.0/24

Right Out: 178.315+/-0.049 χ^2/NDF : 802535.3/10

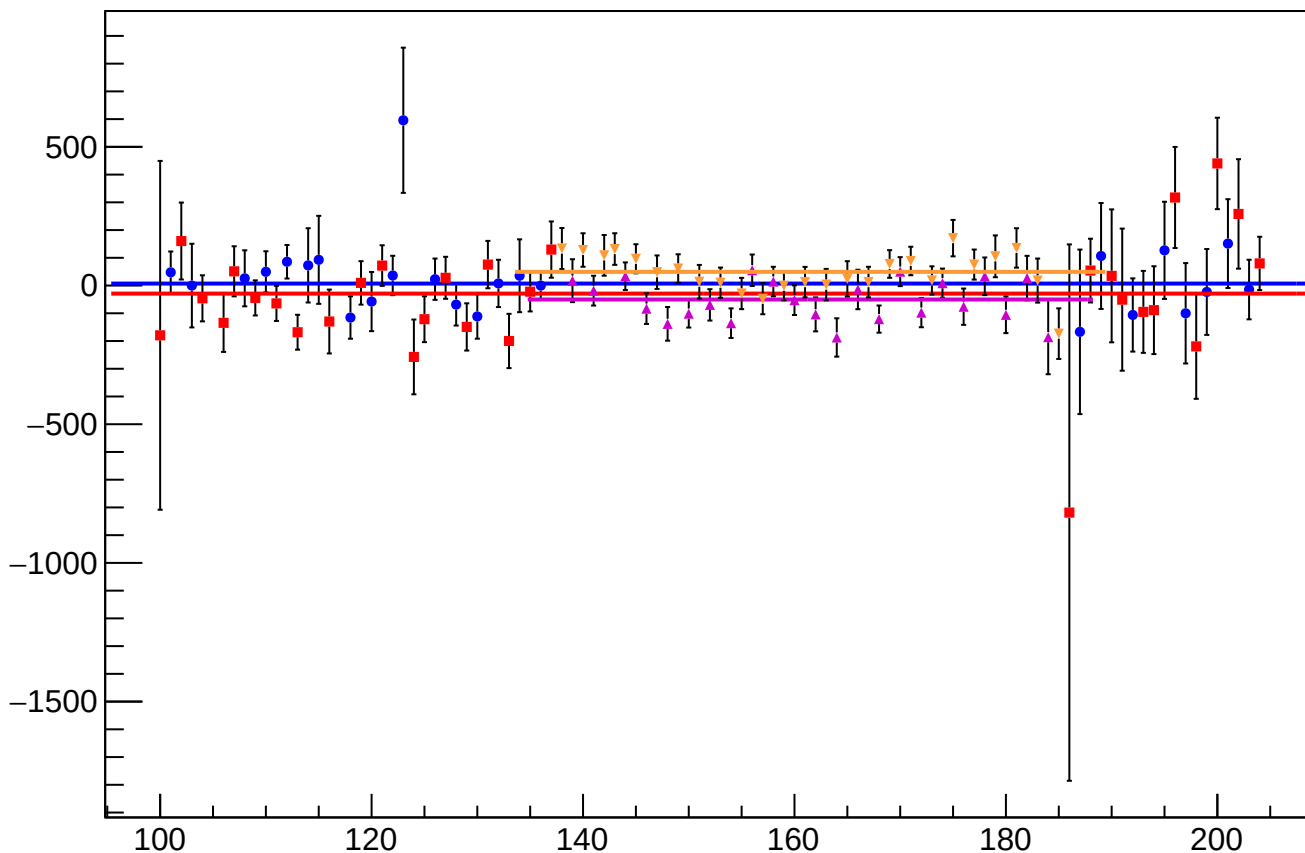
Left In: 127.544+/-0.022 χ^2/NDF : 1235705.3/22

+ sign 135.097+/-0.020 χ^2/NDF : 2550360.6/32

All: 135.606+/-0.014 χ^2/NDF : 5483394.4/66

- sign 136.114+/-0.020 χ^2/NDF : 2931757.5/33

reg_asym_sam_1357_avg_mean vs Slug



Right In: 7.108 ± 18.963 $\chi^2/\text{NDF}: 17.4/24$

Left Out: 49.402 ± 11.806 $\chi^2/\text{NDF}: 28.1/24$

Right Out: -29.092 ± 18.063 $\chi^2/\text{NDF}: 43.4/29$

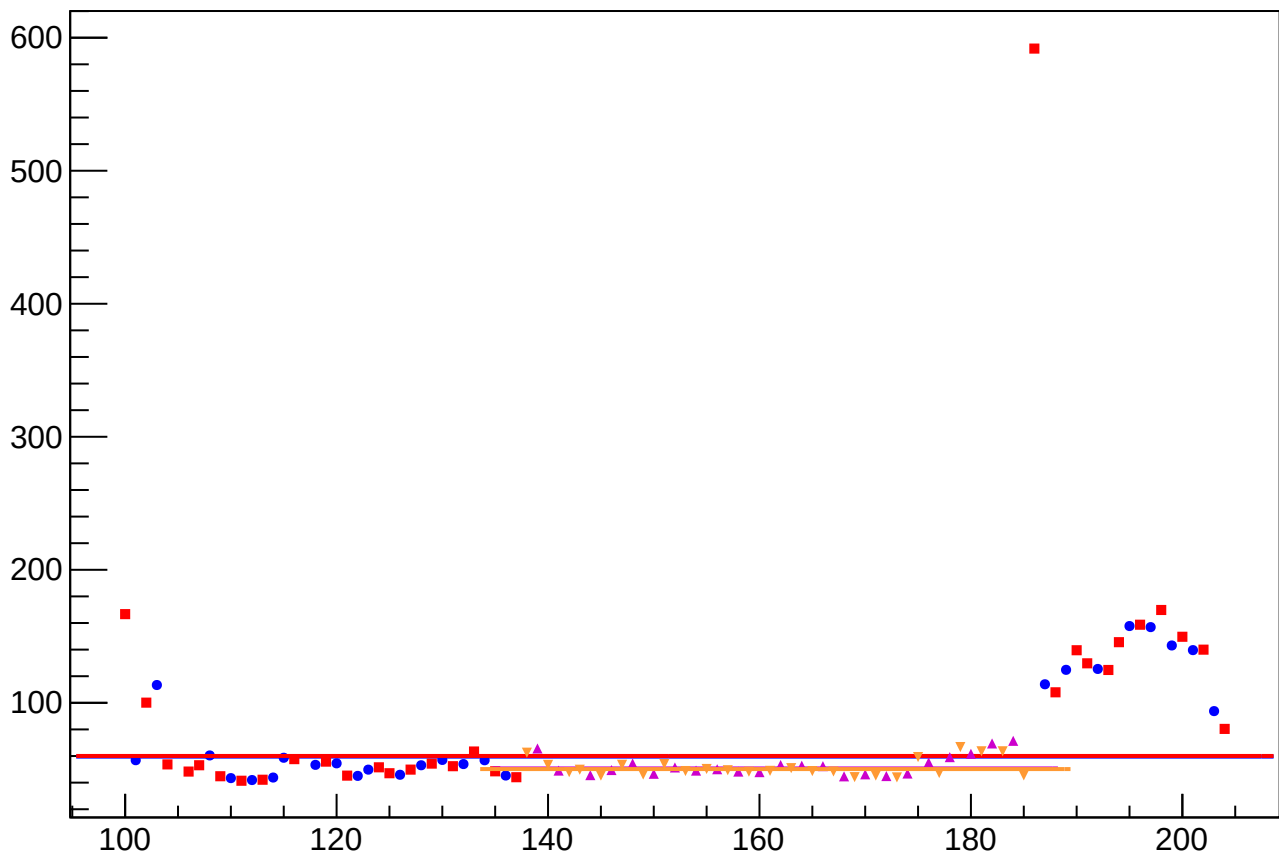
Left In: -50.331 ± 12.253 $\chi^2/\text{NDF}: 32.2/22$

+ sign 37.588 ± 10.022 $\chi^2/\text{NDF}: 49.1/49$

All: -2.548 ± 7.128 $\chi^2/\text{NDF}: 158.0/102$

- sign -43.637 ± 10.140 $\chi^2/\text{NDF}: 76.5/52$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 59.573+/-0.013 χ^2/NDF : 4202485.5/24

Left Out: 50.189+/-0.008 χ^2/NDF : 467679.2/24

Right Out: 60.051+/-0.013 χ^2/NDF : 5591261.1/29

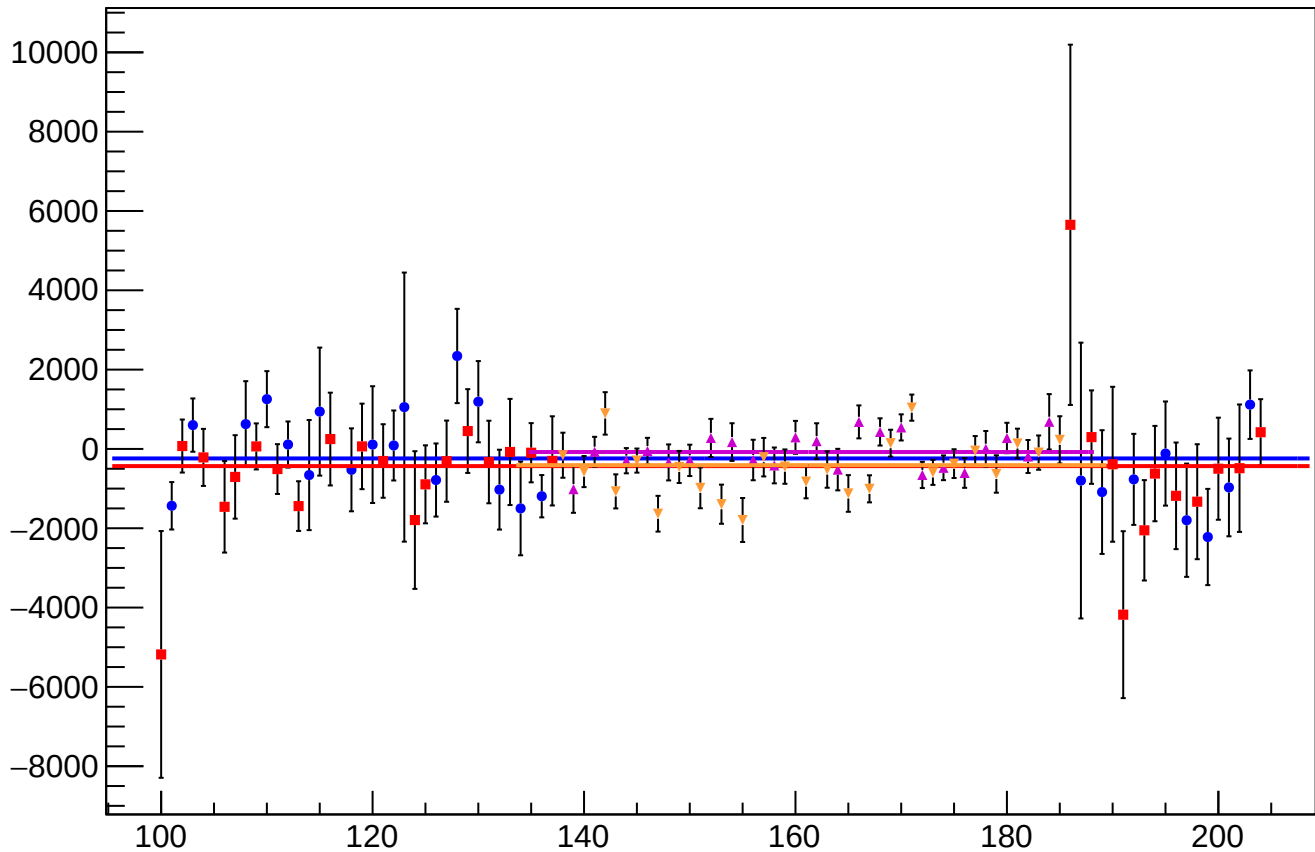
Left In: 50.683+/-0.009 χ^2/NDF : 469292.3/22

+ sign 52.810+/-0.007 χ^2/NDF : 5023098.3/49

All: 53.218+/-0.005 χ^2/NDF : 11458812.9/102

- sign 53.636+/-0.007 χ^2/NDF : 6429013.4/52

asym_sam_1357_avg_correction_mean vs Slug



Right In: -239.849 ± 190.582 χ^2/NDF : 31.2/24

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -433.016 ± 182.414 χ^2/NDF : 18.4/29

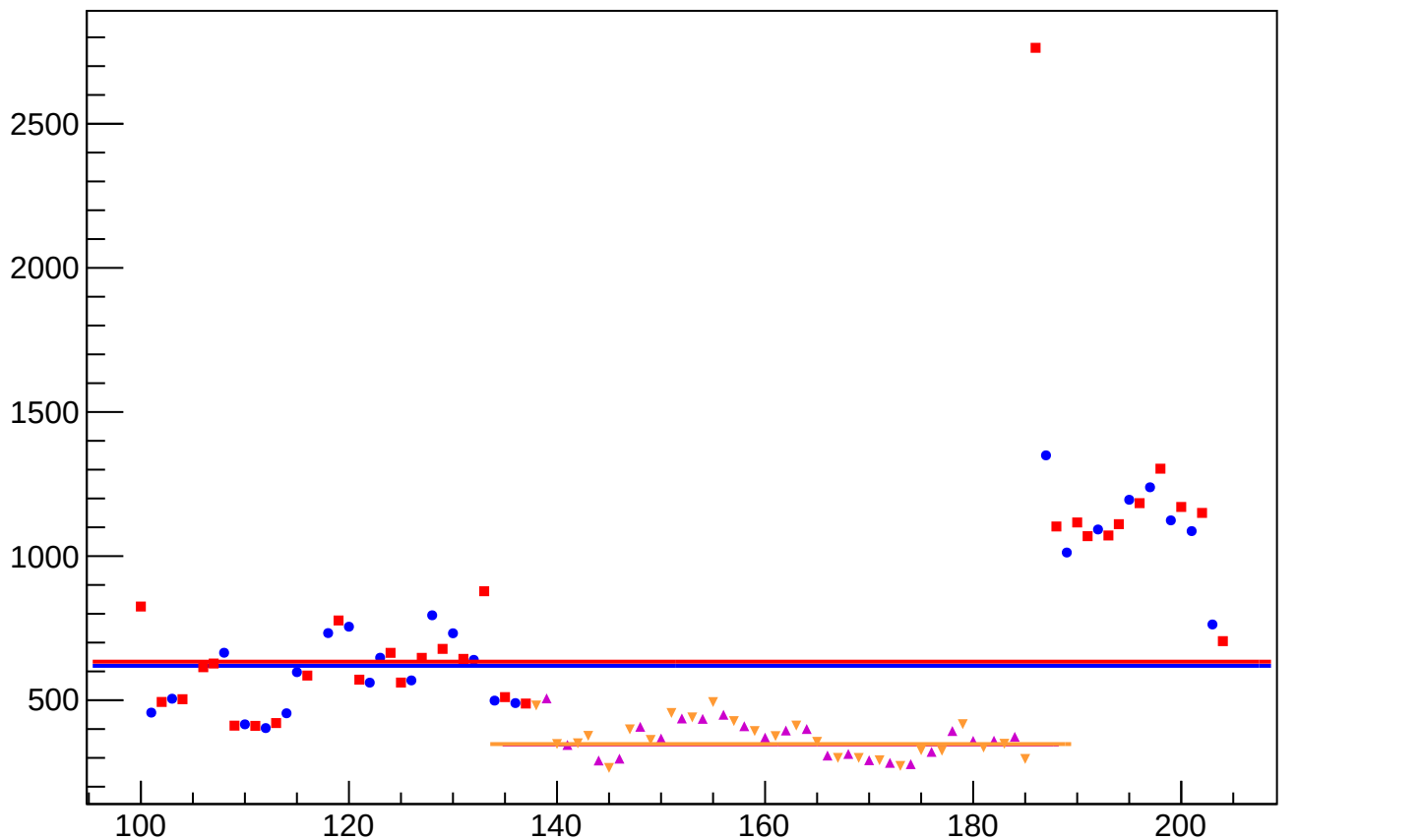
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -382.526 ± 75.593 χ^2/NDF : 93.6/49

All: -262.522 ± 53.719 χ^2/NDF : 145.0/102

- sign -140.093 ± 76.353 χ^2/NDF : 46.3/52

asym_sam_1357_avg_correction_rms vs Slug



Right In: 619.379 ± 0.135 $\chi^2/\text{NDF}: 2946121.1/24$

Left Out: 347.875 ± 0.058 $\chi^2/\text{NDF}: 1044096.7/24$

Right Out: 633.774 ± 0.129 $\chi^2/\text{NDF}: 4003697.1/29$

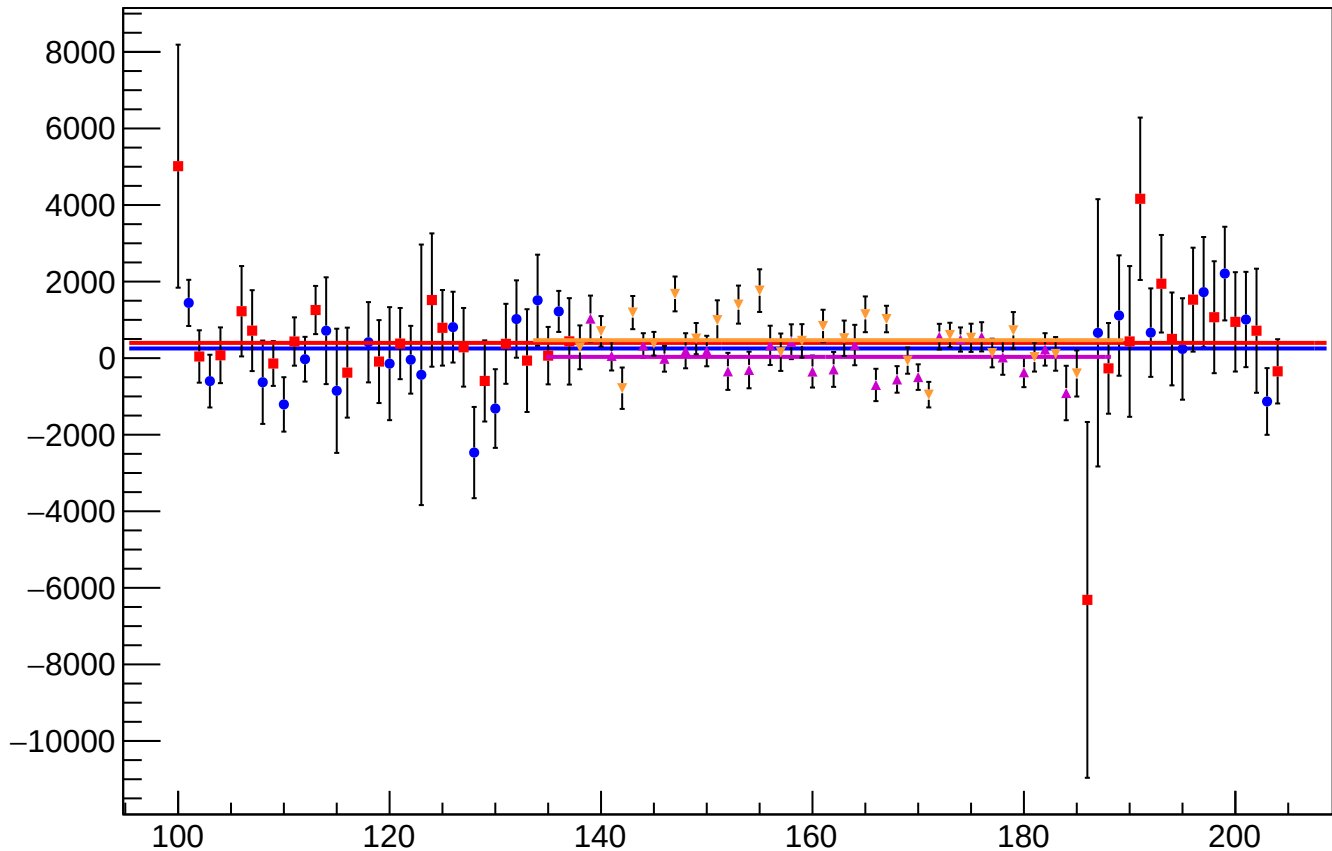
Left In: 345.954 ± 0.059 $\chi^2/\text{NDF}: 900847.0/22$

+ sign 390.590 ± 0.053 $\chi^2/\text{NDF}: 7410616.9/49$

All: 393.456 ± 0.038 $\chi^2/\text{NDF}: 16427761.3/10$

- sign 396.380 ± 0.054 $\chi^2/\text{NDF}: 9011335.9/52$

asym_sam_1357_avg_mean vs Slug



Right In: 252.509 $\pm$ 191.967 χ^2 /NDF: 31.2/24

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF:57.5/24

Right Out: 398.387 $\pm$ 183.830 χ^2 /NDF: 17.2/29

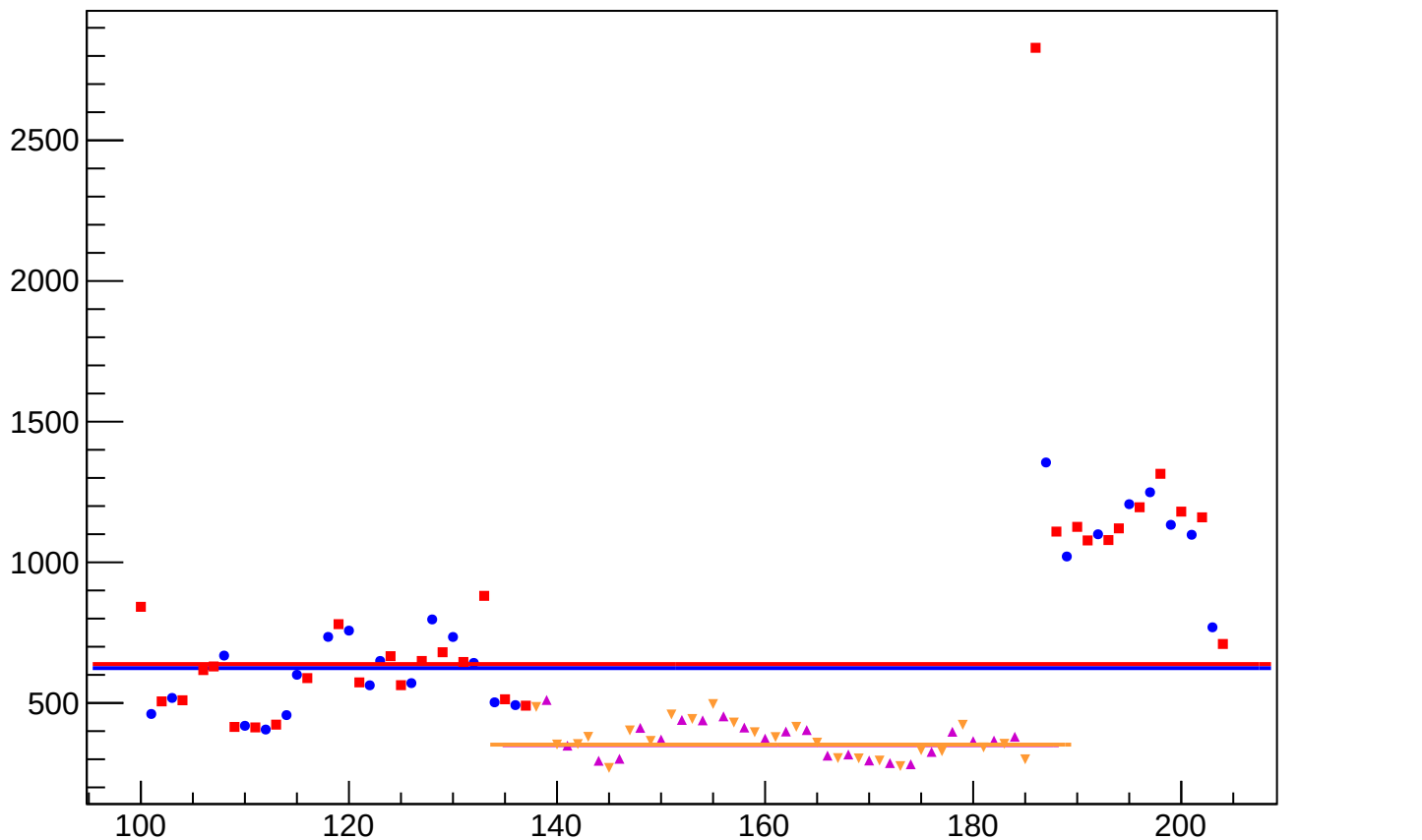
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF:25.7/22

+ sign 434.583 $\pm$ 76.412 χ^2 /NDF: 89.7/49

All: 267.657 $\pm$ 54.308 χ^2 /NDF: 145.6/102

- sign 97.275 $\pm$ 77.199 χ^2 /NDF: 46.2/52

asym_sam_1357_avg_rms vs Slug



Right In: 623.931+/-0.136 χ^2/NDF : 2943559.1/24

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 638.408+/-0.130 χ^2/NDF : 4005874.4/29

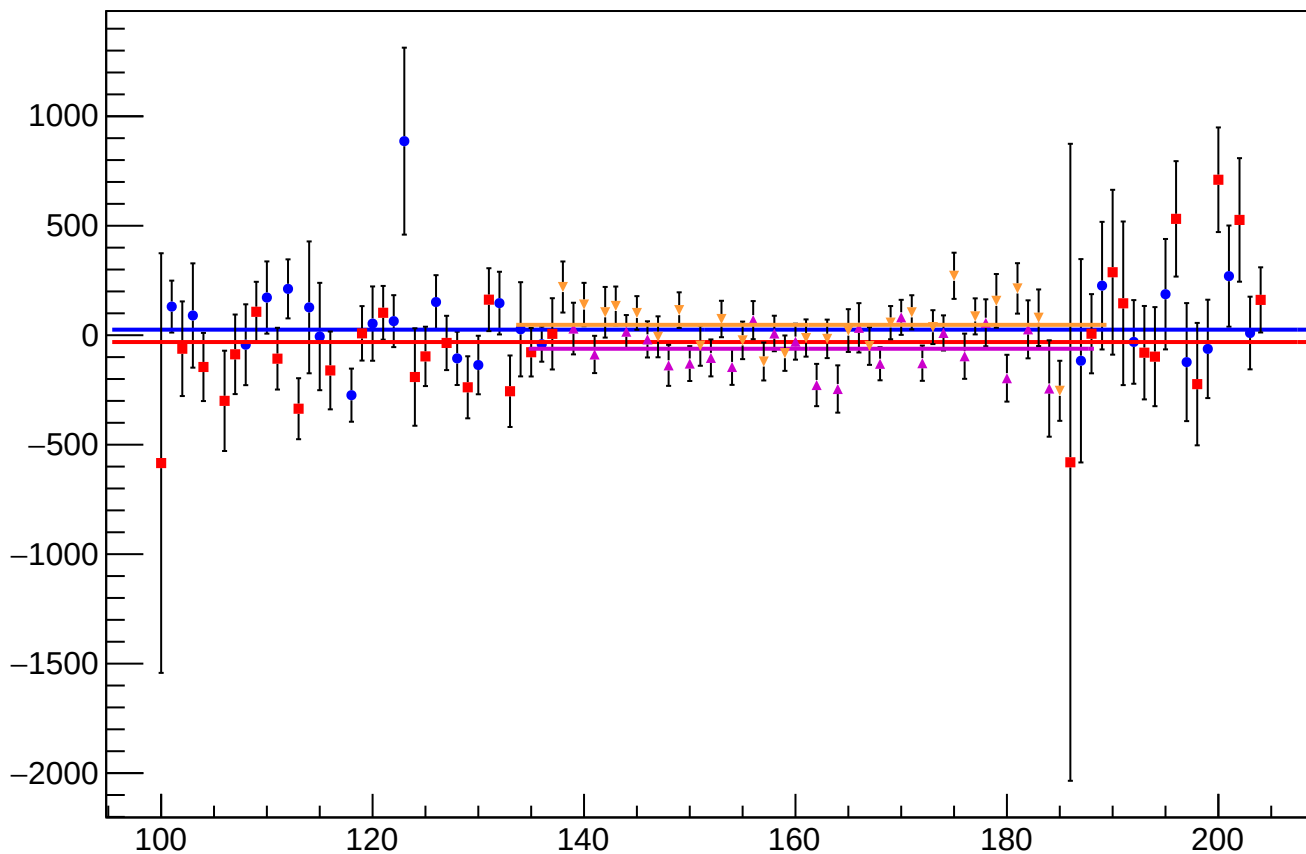
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 395.098+/-0.054 χ^2/NDF : 7337740.5/49

All: 398.016+/-0.038 χ^2/NDF : 16278006.7/100

- sign 400.995+/-0.055 χ^2/NDF : 8934371.1/52

reg_asym_sam_2468_avg_mean vs Slug



Right In: 25.389 ± 31.917 χ^2/NDF : 21.9/24

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: -31.164 ± 31.390 χ^2/NDF : 38.6/29

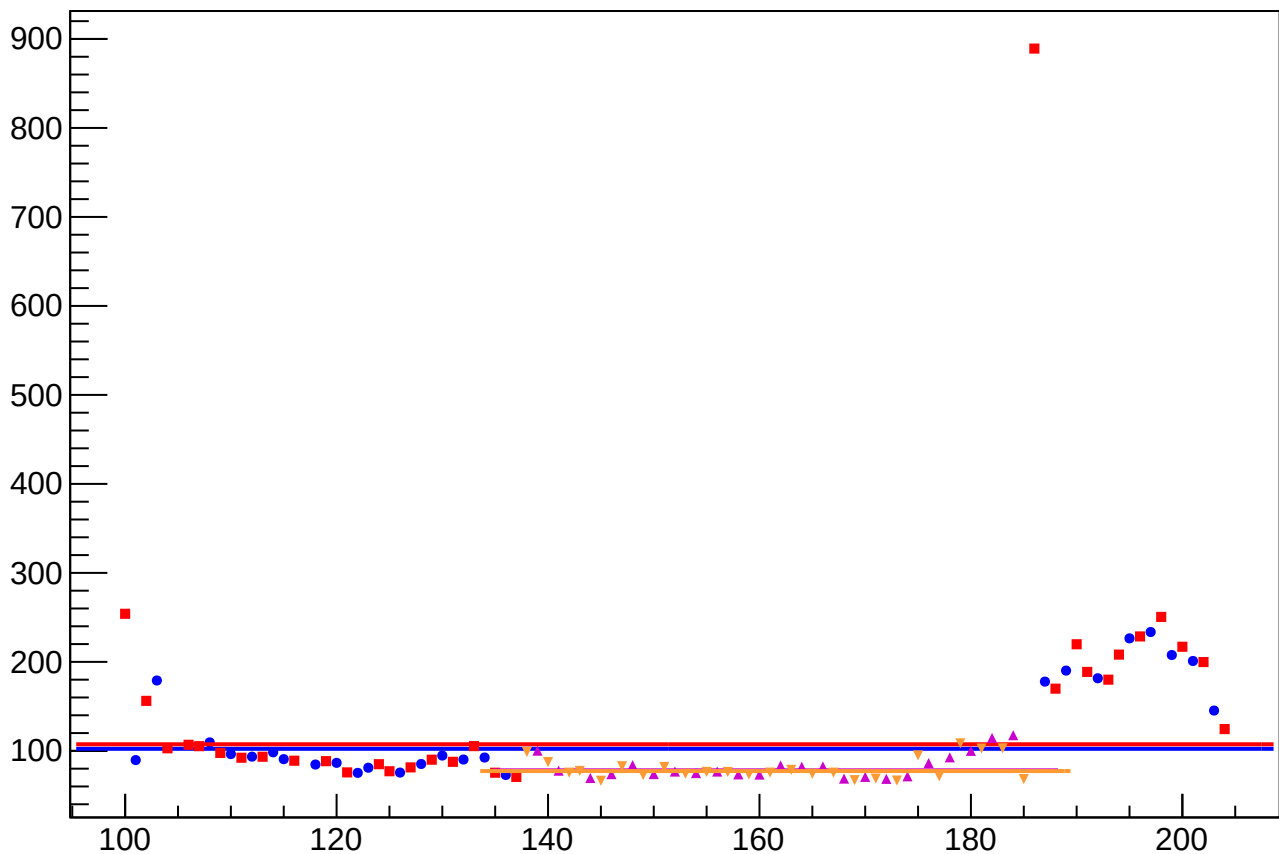
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 41.995 ± 15.845 χ^2/NDF : 51.6/49

All: -4.678 ± 11.337 χ^2/NDF : 132.6/102

- sign -53.634 ± 16.228 χ^2/NDF : 63.2/52

reg_asym_sam_2468_avg_rms vs Slug



Right In: 102.321+/-0.023 χ^2/NDF : 3324411.6/24

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 107.408+/-0.022 χ^2/NDF : 4274422.3/29

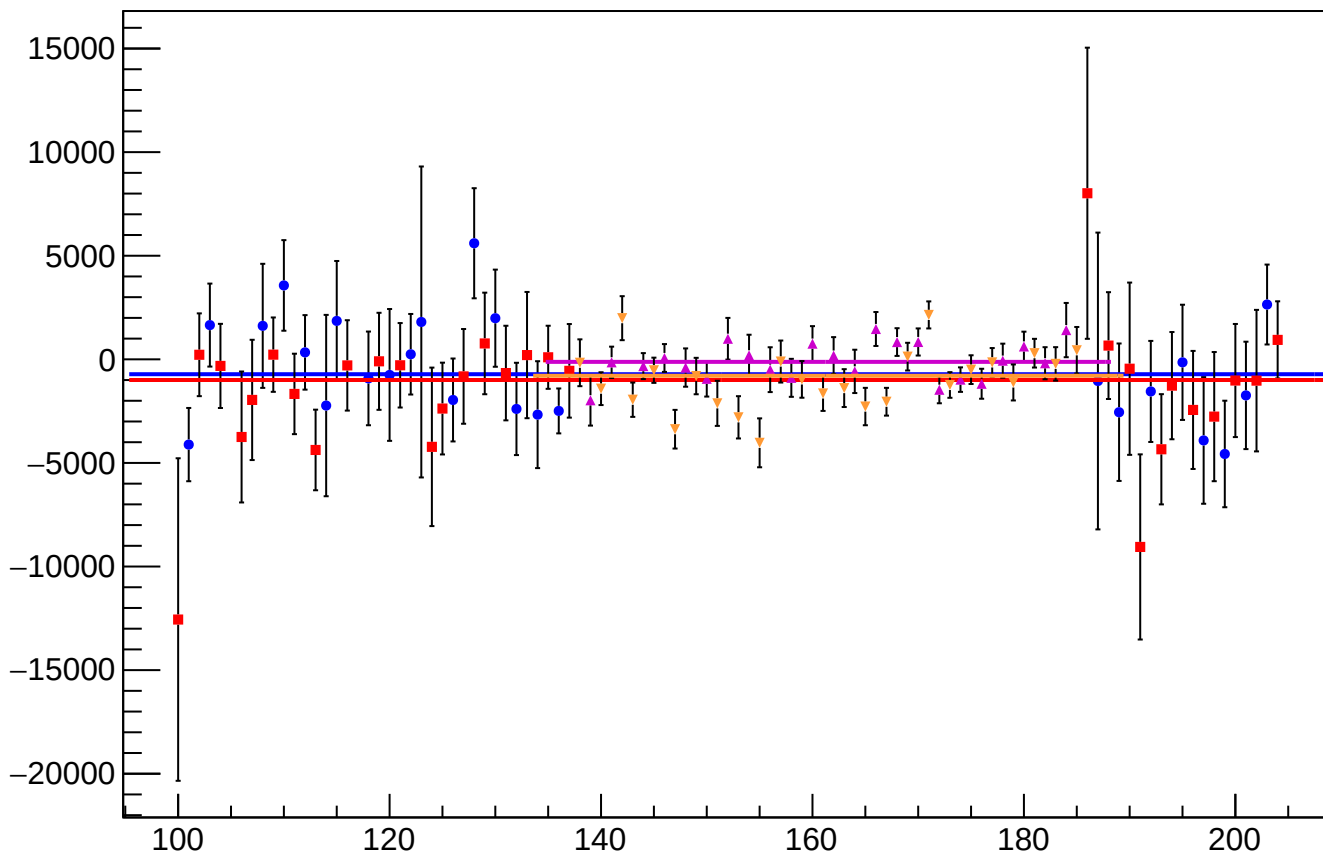
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 83.478+/-0.011 χ^2/NDF : 4885009.5/49

All: 84.690+/-0.008 χ^2/NDF : 11039683.3/102

- sign 85.961+/-0.011 χ^2/NDF : 6130704.8/52

asym_sam_2468_avg_correction_mean vs Slug



Right In: -718.071 ± 456.069 χ^2/NDF : 29.3/24

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -997.335 ± 444.434 χ^2/NDF : 18.5/29

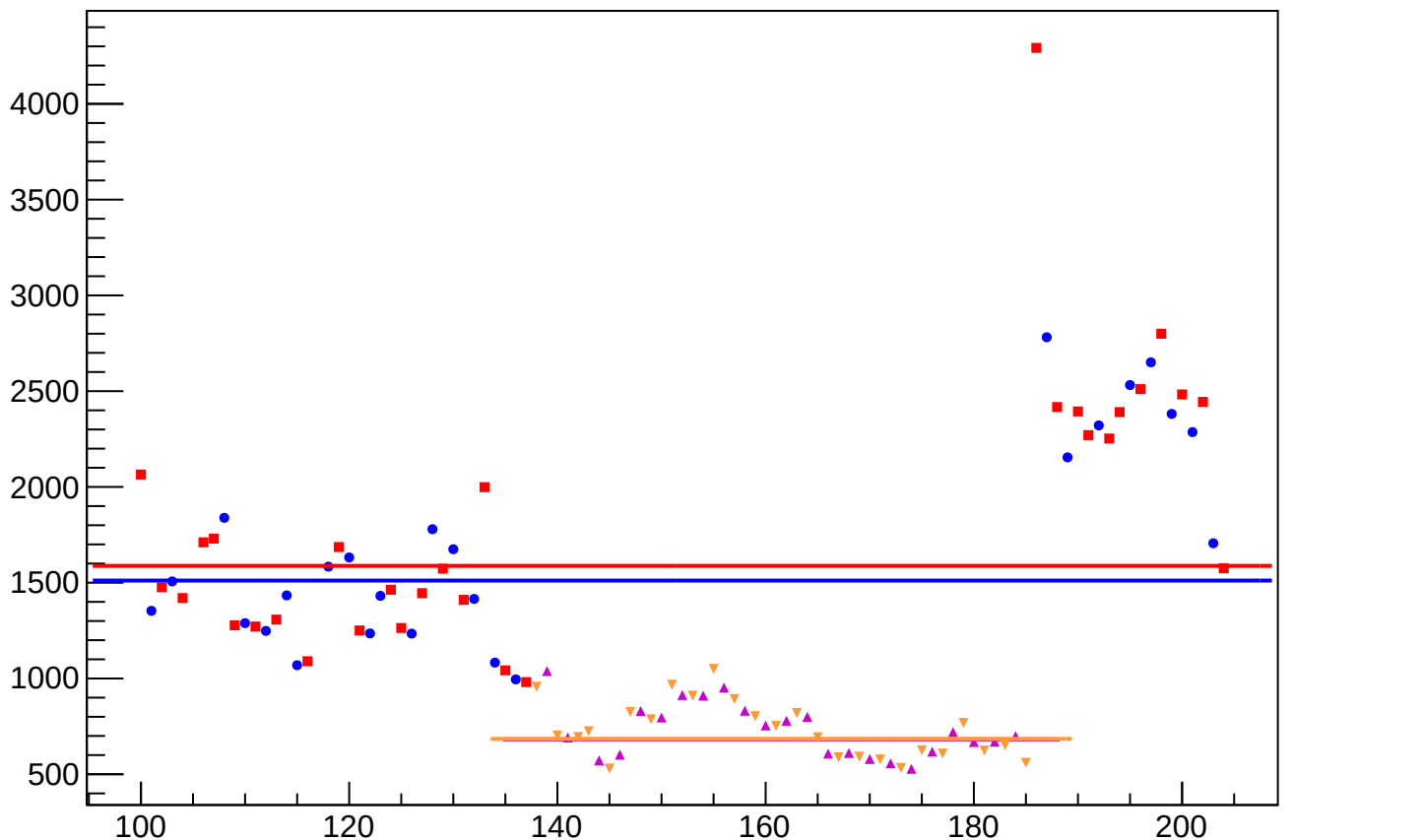
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -784.345 ± 153.206 χ^2/NDF : 96.0/49

All: -511.369 ± 109.192 χ^2/NDF : 150.2/102

- sign -229.559 ± 155.666 χ^2/NDF : 47.8/52

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1511.306 ± 0.322 $\chi^2/\text{NDF}: 2110786.0/24$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

Right Out: 1587.924 ± 0.314 $\chi^2/\text{NDF}: 2650238.6/29$

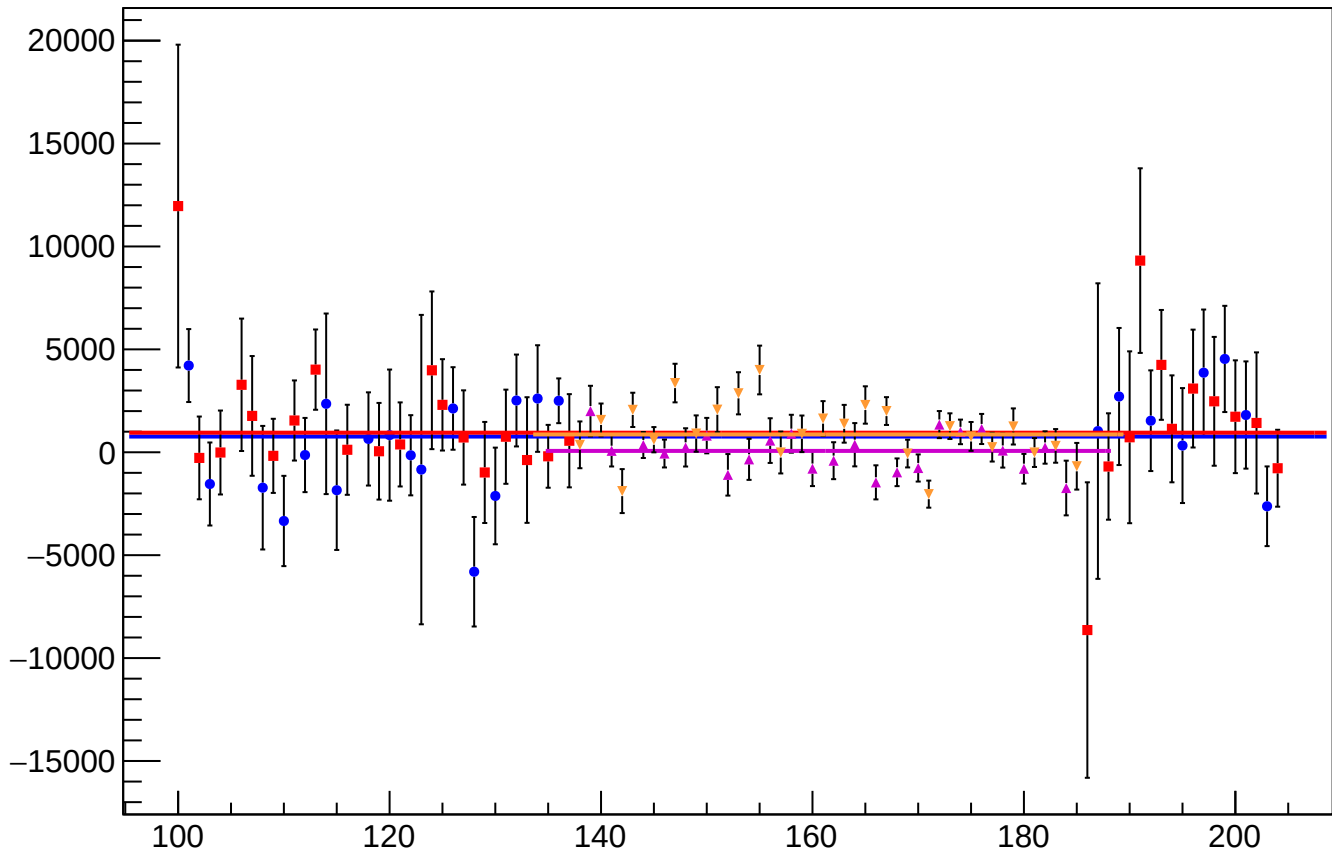
Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

+ sign 778.056 ± 0.108 $\chi^2/\text{NDF}: 9218334.7/49$

All: 785.353 ± 0.077 $\chi^2/\text{NDF}: 20292574.5/10$

- sign 792.886 ± 0.110 $\chi^2/\text{NDF}: 11065019.3/52$

asym_sam_2468_avg_mean vs Slug



Right In: 763.552 ± 457.490 χ^2/NDF : 29.3/24

Left Out: 865.597 ± 163.885 χ^2/NDF : 62.8/24

Right Out: 951.397 ± 445.989 χ^2/NDF : 17.9/29

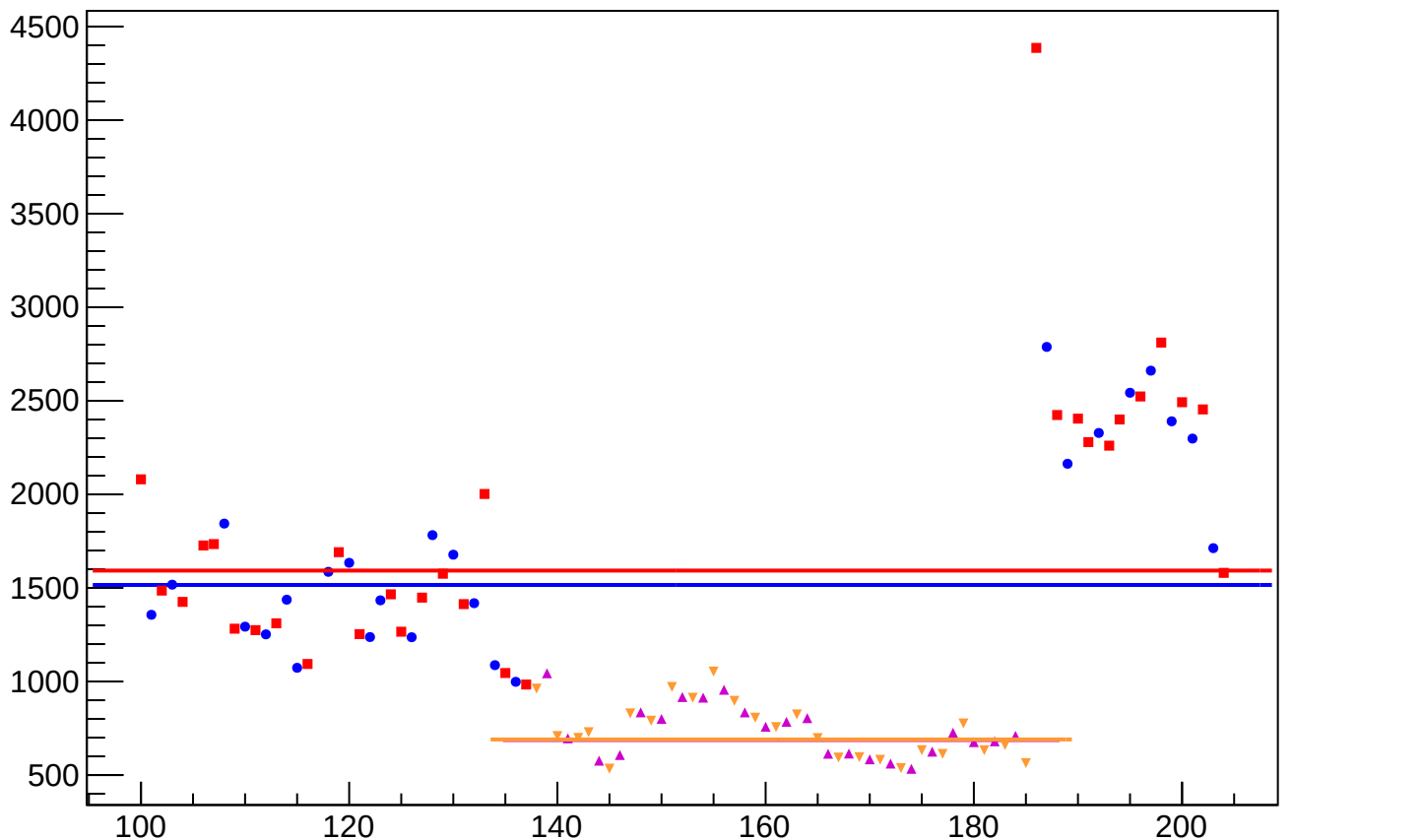
Left In: 65.924 ± 167.485 χ^2/NDF : 26.4/22

+ sign 853.991 ± 154.285 χ^2/NDF : 92.2/49

All: 520.150 ± 109.972 χ^2/NDF : 149.5/102

- sign 175.366 ± 156.793 χ^2/NDF : 47.7/52

asym_sam_2468_avg_rms vs Slug



Right In: 1515.872 $\pm$ 0.323 χ^2 /NDF: 2115210.9/24

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF:1258158.2/24

Right Out: 1592.786 $\pm$ 0.315 χ^2 /NDF: 2662912.1/29

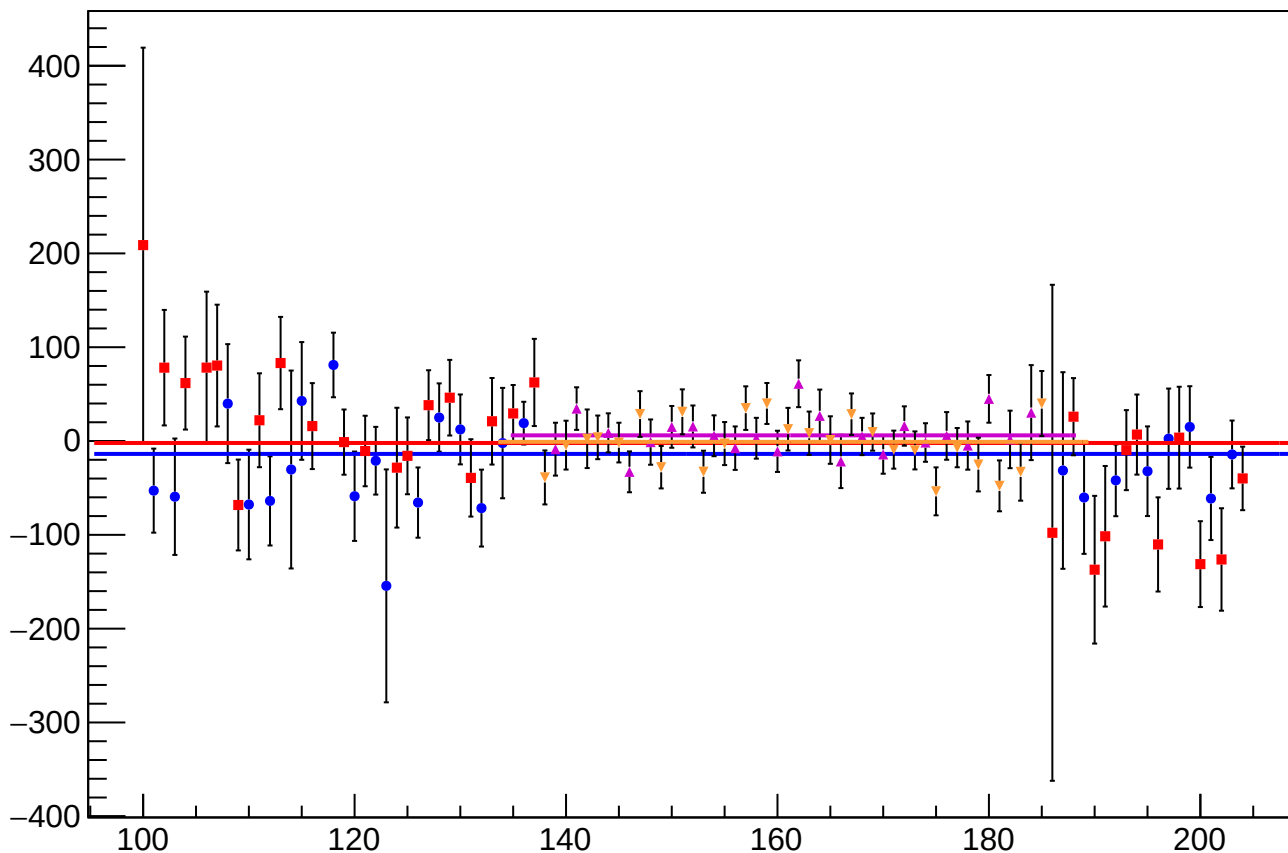
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF:1099706.1/22

+ sign 784.075 $\pm$ 0.109 χ^2 /NDF: 9147445.8/49

All: 791.487 $\pm$ 0.078 χ^2 /NDF: 20145978.9/10

- sign 799.142 $\pm$ 0.111 χ^2 /NDF: 10989151.2/52

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -13.735 ± 8.821 χ^2/NDF : 25.3/24

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -2.072 ± 8.579 χ^2/NDF : 43.6/29

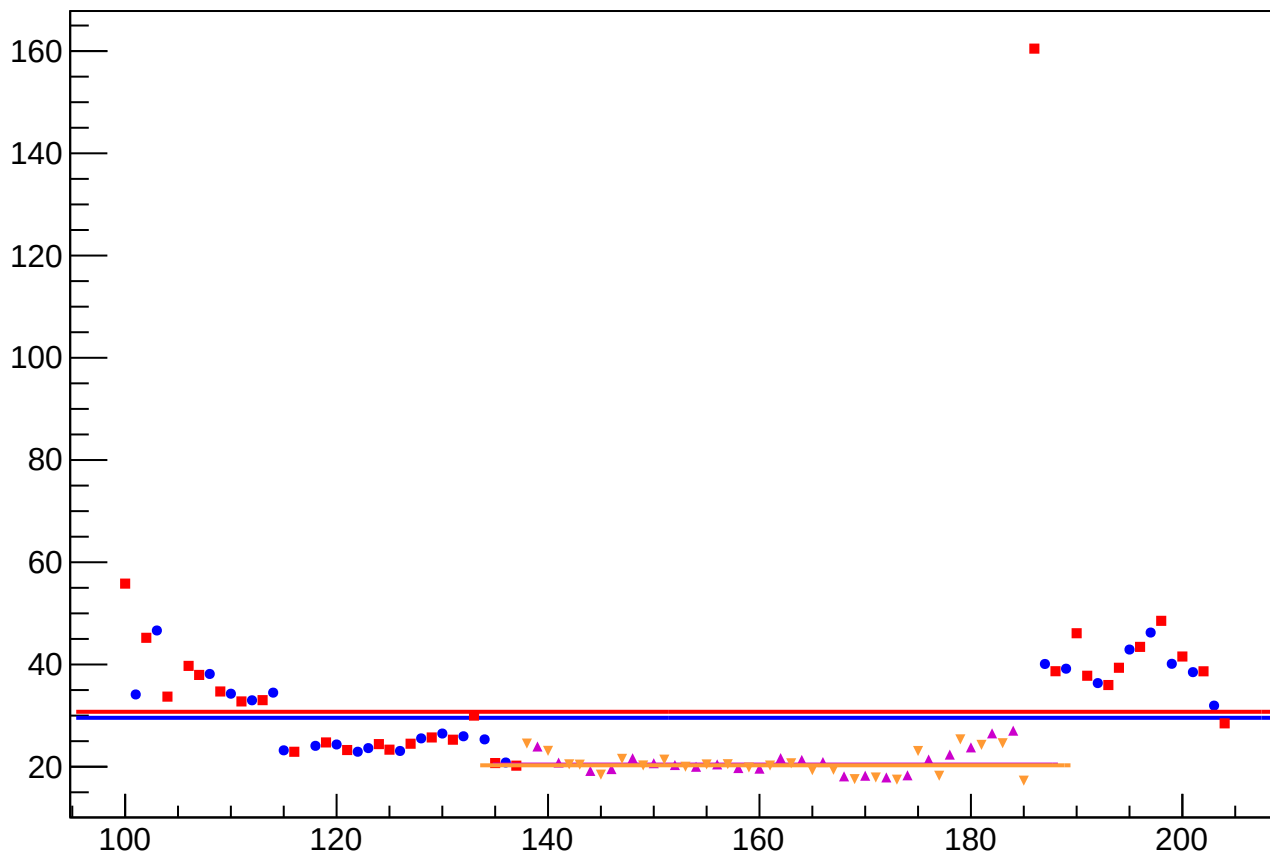
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.765 ± 4.189 χ^2/NDF : 54.8/49

All: 0.057 ± 2.991 χ^2/NDF : 117.8/102

- sign 4.030 ± 4.271 χ^2/NDF : 61.2/52

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.570 ± 0.006 χ^2/NDF : 1517428.7/24

Left Out: 20.279 ± 0.003 χ^2/NDF : 407056.4/24

Right Out: 30.750 ± 0.006 χ^2/NDF : 2210672.2/29

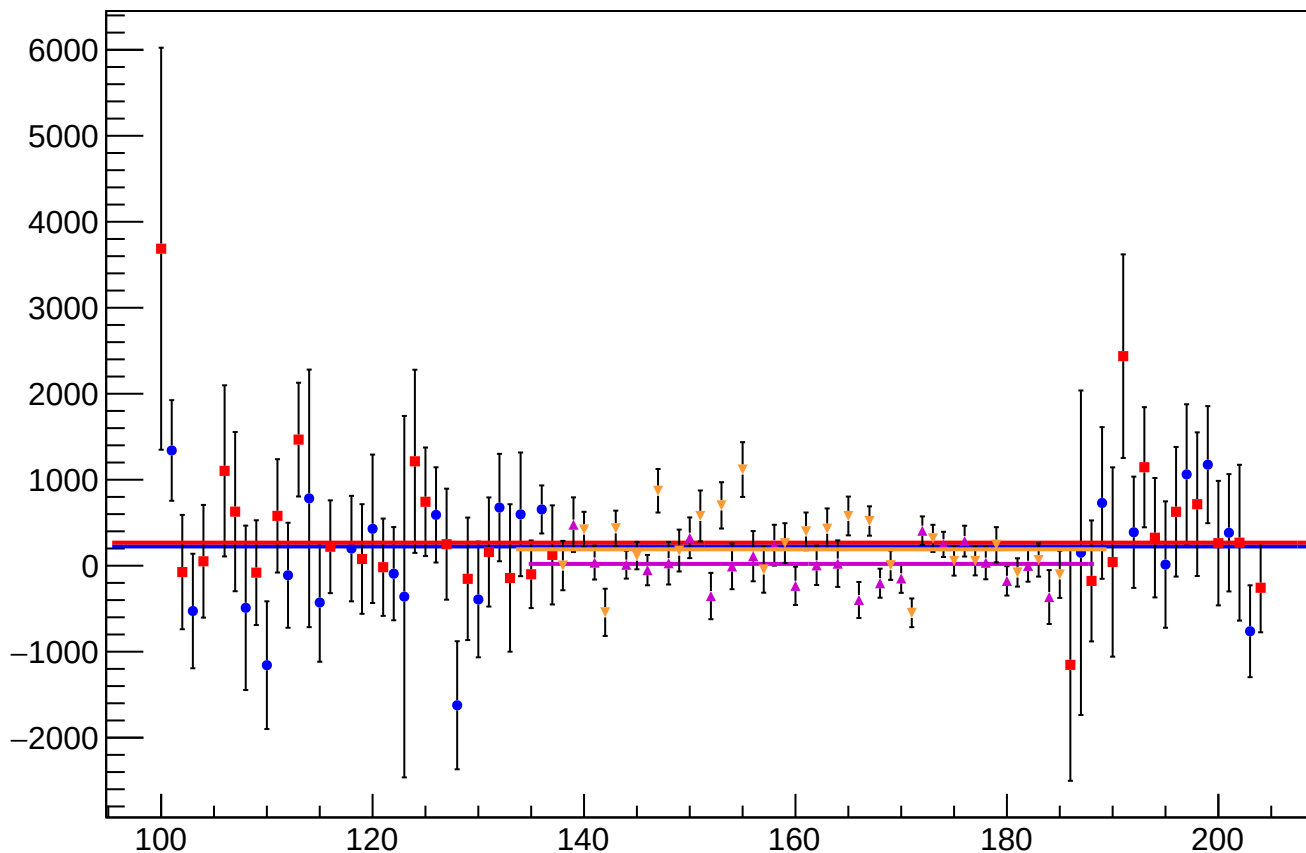
Left In: 20.424 ± 0.003 χ^2/NDF : 323427.4/22

+ sign 22.375 ± 0.003 χ^2/NDF : 3642919.6/49

All: 22.673 ± 0.002 χ^2/NDF : 8377189.1/102

- sign 22.984 ± 0.003 χ^2/NDF : 4713554.0/52

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 223.923 ± 128.404 χ^2/NDF : 28.3/24

Left Out: 190.867 ± 41.314 χ^2/NDF : 67.9/24

Right Out: 268.548 ± 126.379 χ^2/NDF : 18.5/29

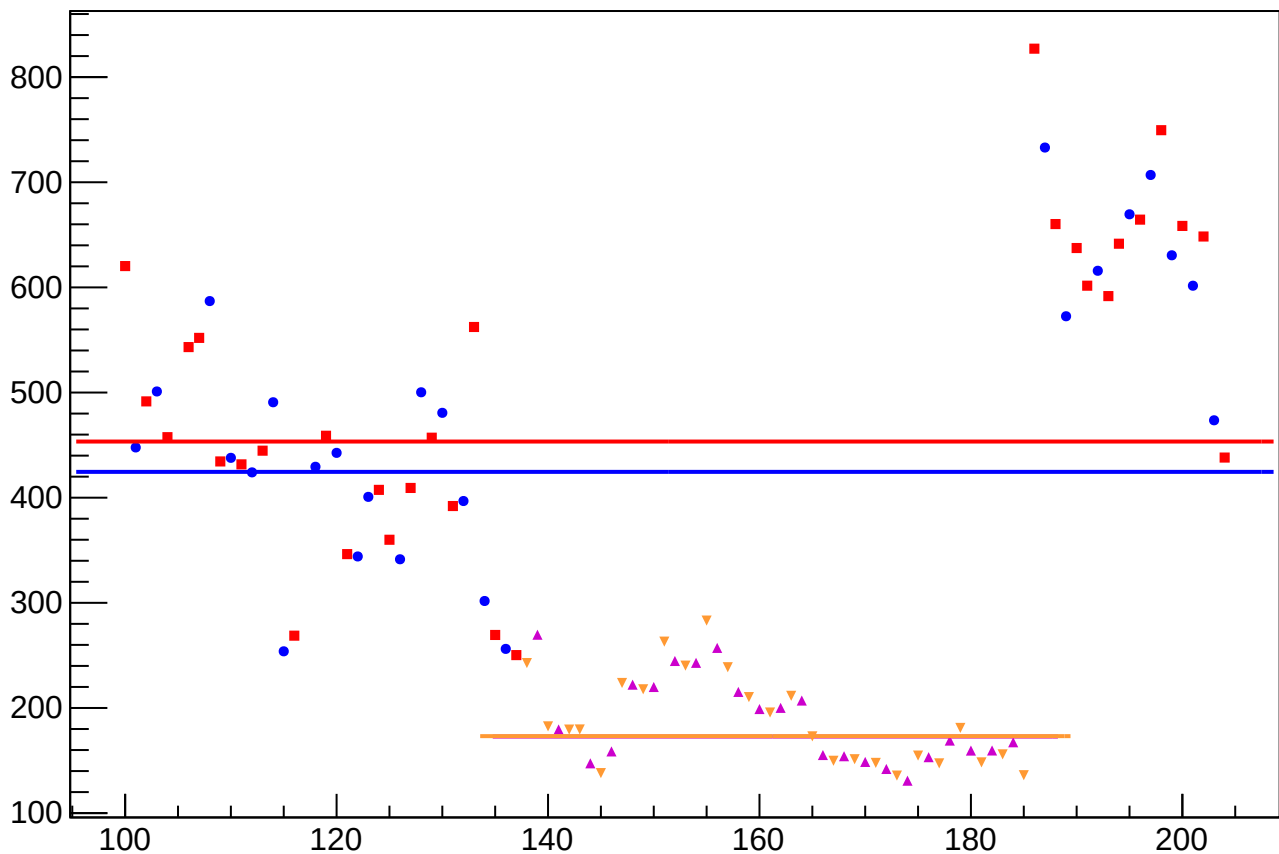
Left In: 20.998 ± 42.291 χ^2/NDF : 27.7/22

+ sign 193.968 ± 39.328 χ^2/NDF : 96.2/49

All: 121.395 ± 28.080 χ^2/NDF : 152.8/102

- sign 45.927 ± 40.105 χ^2/NDF : 49.7/52

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 424.555 $\pm$ 0.091 χ^2 /NDF: 2209425.4/24

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF: 1561250.6/24

Right Out: 453.399 $\pm$ 0.089 χ^2 /NDF: 2462115.2/29

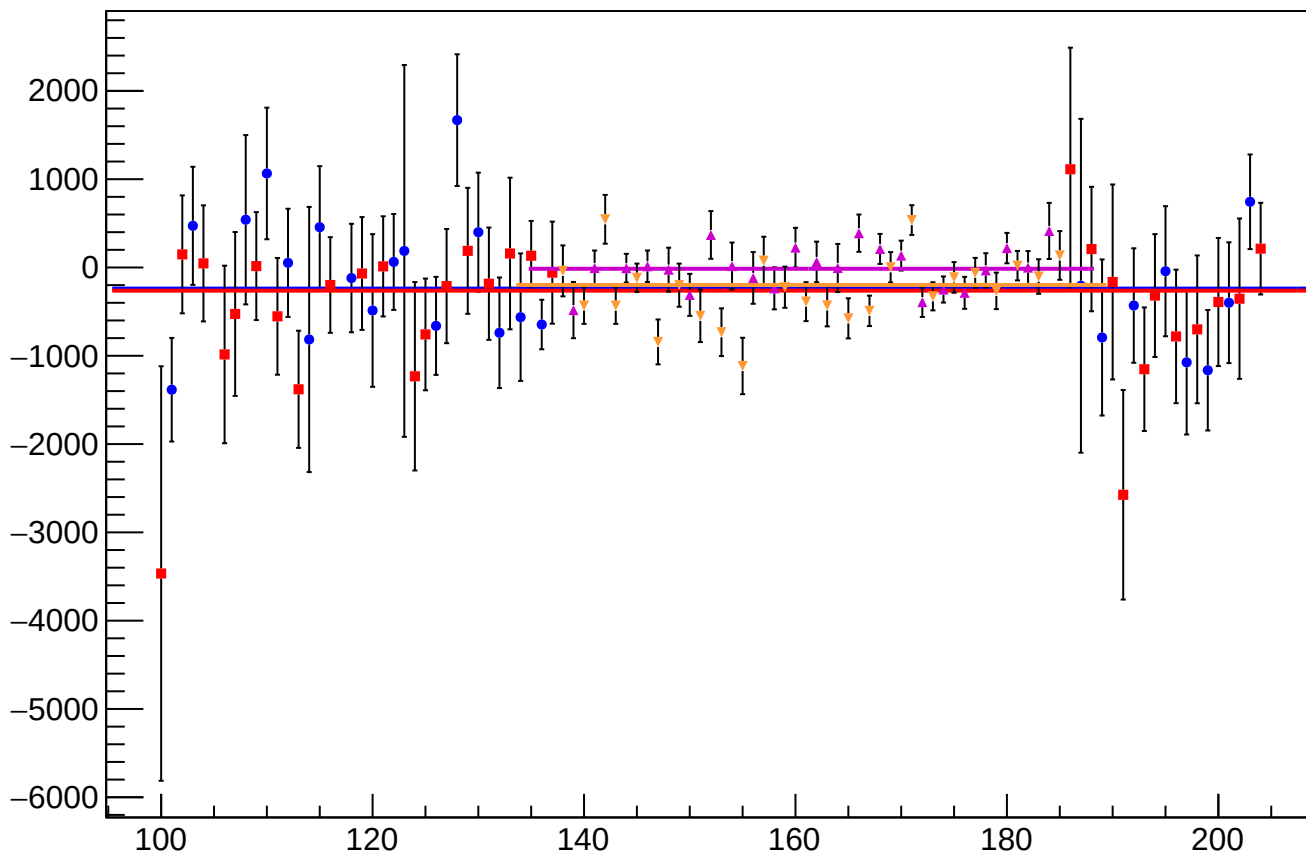
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF: 1372131.7/22

+ sign 196.789 $\pm$ 0.028 χ^2 /NDF: 10715006.2/49

All: 198.893 $\pm$ 0.020 χ^2 /NDF: 23425749.9/10

- sign 201.082 $\pm$ 0.028 χ^2 /NDF: 12699058.9/52

asym_sam_1357_2468_dd_mean vs Slug



Right In: -239.280 ± 128.759 $\chi^2/\text{NDF}: 28.3/24$

Left Out: -197.918 ± 41.638 $\chi^2/\text{NDF}: 64.3/24$

Right Out: -262.073 ± 126.749 $\chi^2/\text{NDF}: 18.4/29$

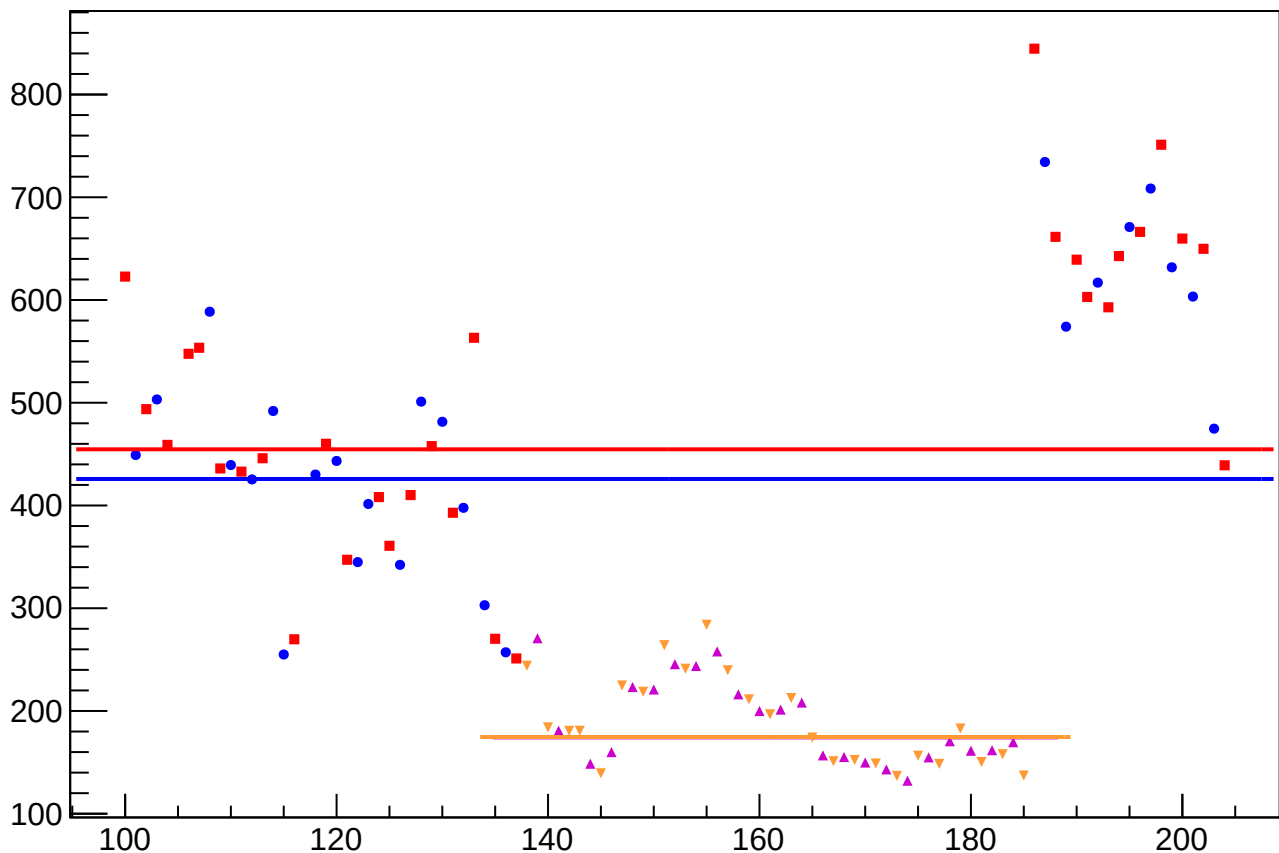
Left In: -14.616 ± 42.629 $\chi^2/\text{NDF}: 27.7/22$

+ sign -201.834 ± 39.618 $\chi^2/\text{NDF}: 92.7/49$

All: -122.392 ± 28.288 $\chi^2/\text{NDF}: 150.4/102$

- sign -39.763 ± 40.405 $\chi^2/\text{NDF}: 49.5/52$

asym_sam_1357_2468_dd_rms vs Slug



Right In: 425.795+/-0.091 χ^2/NDF : 2203332.4/24

Left Out: 174.648+/-0.029 χ^2/NDF : 1531999.5/24

Right Out: 454.679+/-0.090 χ^2/NDF : 2465271.5/29

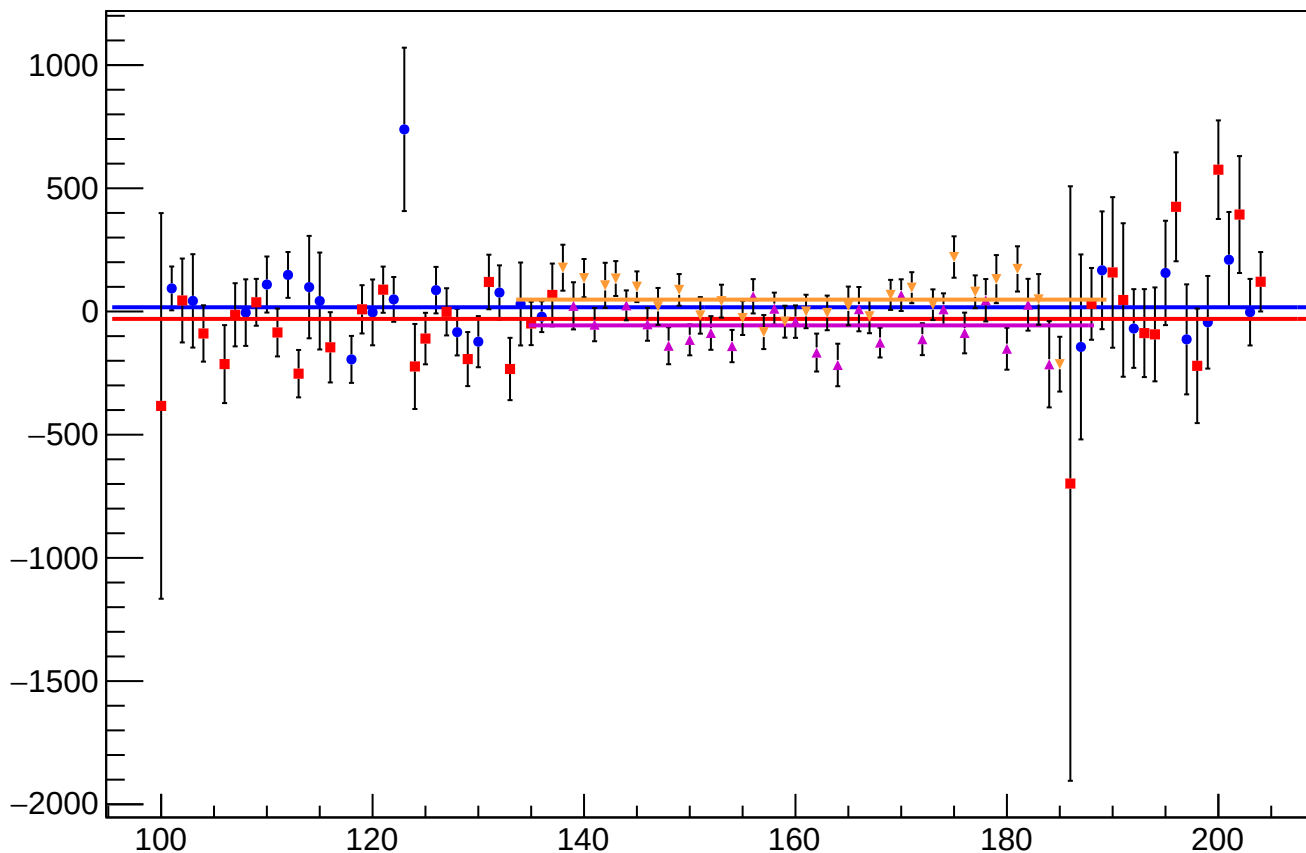
Left In: 174.288+/-0.030 χ^2/NDF : 1344779.5/22

+ sign 198.425+/-0.028 χ^2/NDF : 10623957.0/49

All: 200.561+/-0.020 χ^2/NDF : 23238734.2/10

- sign 202.782+/-0.029 χ^2/NDF : 12602918.5/52

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 17.185 $\pm$ 24.594 χ^2 /NDF: 20.3/24

Left Out: 48.233 $\pm$ 14.616 χ^2 /NDF:29.3/24

Right Out: -30.064 $\pm$ 24.005 χ^2 /NDF: 39.7/29

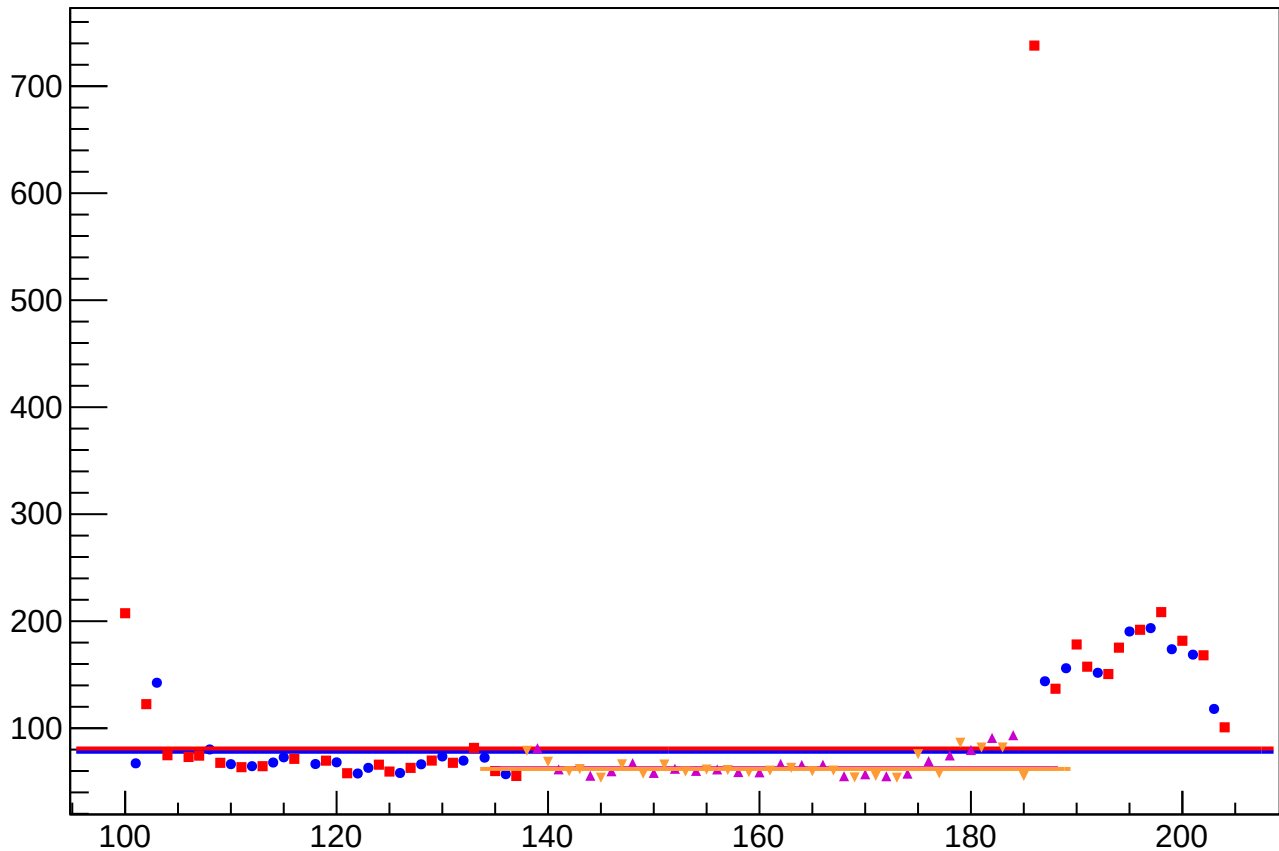
Left In: -56.403 $\pm$ 15.182 χ^2 /NDF:27.5/22

+ sign 40.130 $\pm$ 12.564 χ^2 /NDF: 50.8/49

All: -3.439 $\pm$ 8.977 χ^2 /NDF: 143.4/102

- sign -48.878 $\pm$ 12.831 χ^2 /NDF: 68.0/52

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 77.991 $\pm$ 0.017 χ^2 /NDF: 3770282.1/24

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 81.037 $\pm$ 0.017 χ^2 /NDF: 4863466.7/29

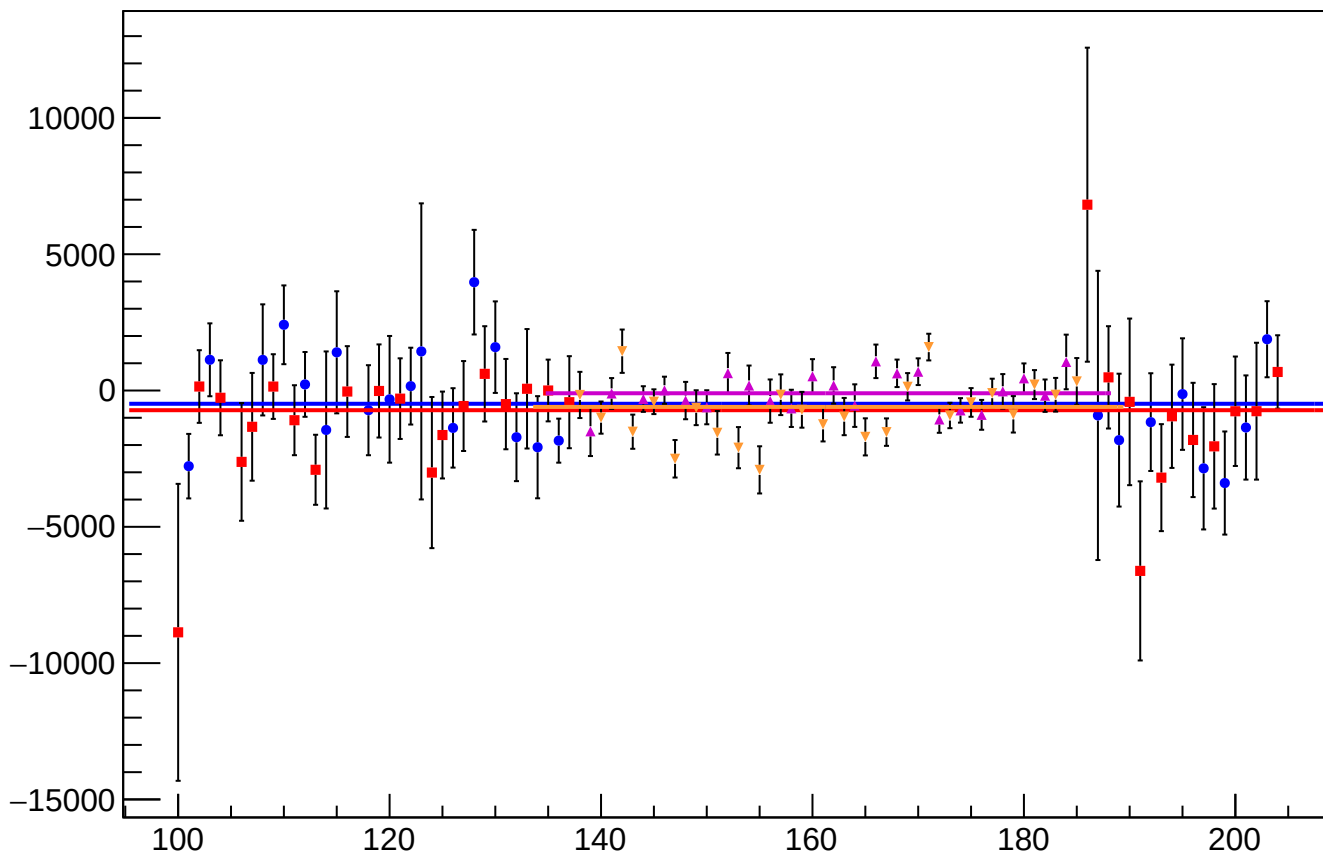
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 66.134 $\pm$ 0.009 χ^2 /NDF: 5004319.6/49

All: 66.985 $\pm$ 0.006 χ^2 /NDF: 11304143.8/102

- sign 67.873 $\pm$ 0.009 χ^2 /NDF: 6281072.5/52

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -486.161 $\pm$ 325.603 χ^2 /NDF: 29.8/24

Left Out: -601.486 $\pm$ 122.119 χ^2 /NDF:65.4/24

Right Out: -722.190 $\pm$ 315.725 χ^2 /NDF: 18.4/29

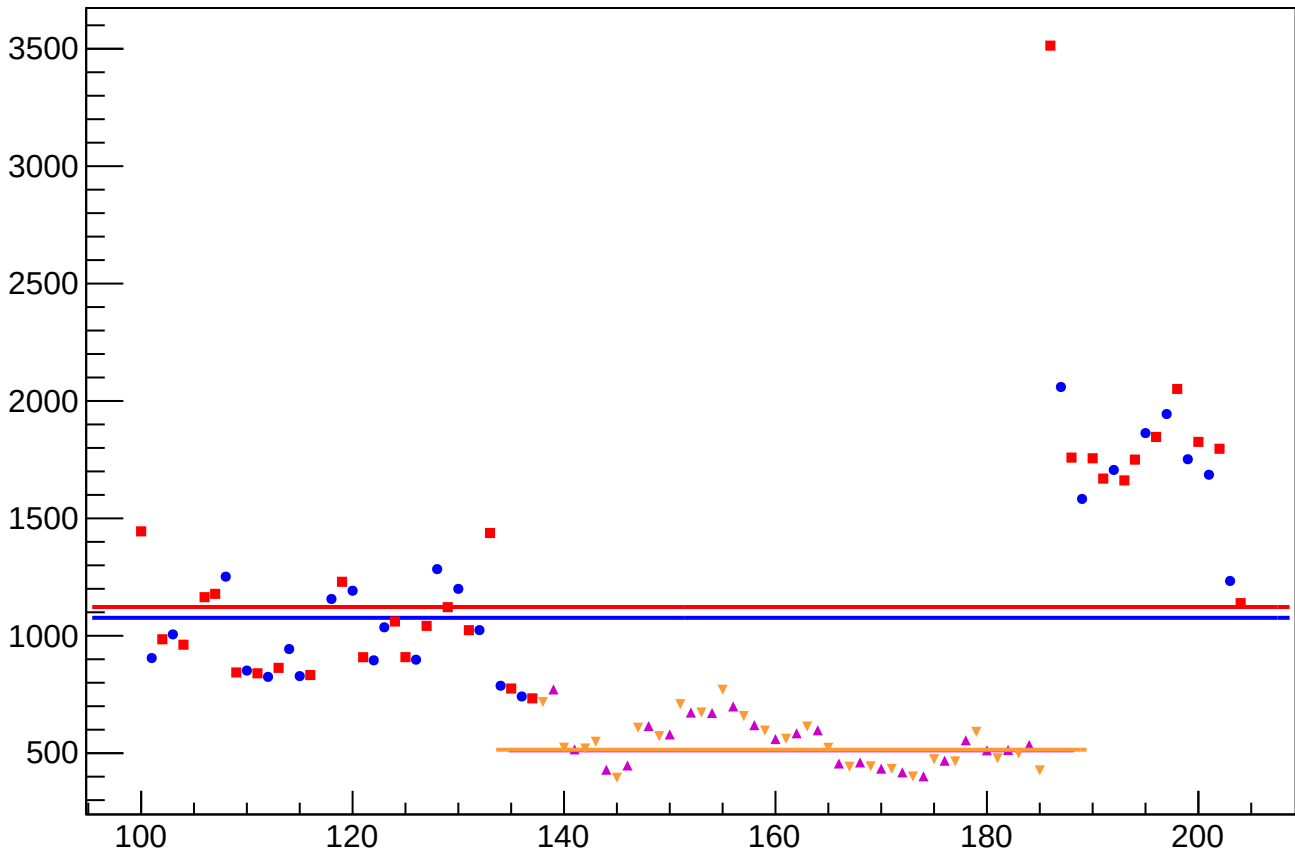
Left In: -100.548 $\pm$ 124.725 χ^2 /NDF:25.5/22

+ sign -587.264 $\pm$ 114.341 χ^2 /NDF: 95.3/49

All: -388.767 $\pm$ 81.432 χ^2 /NDF: 148.7/102

- sign -184.465 $\pm$ 116.001 χ^2 /NDF: 47.2/52

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1076.495 $\pm$ 0.230 χ^2 /NDF: 2211032.0/24

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 1122.587 $\pm$ 0.223 χ^2 /NDF: 2887182.6/29

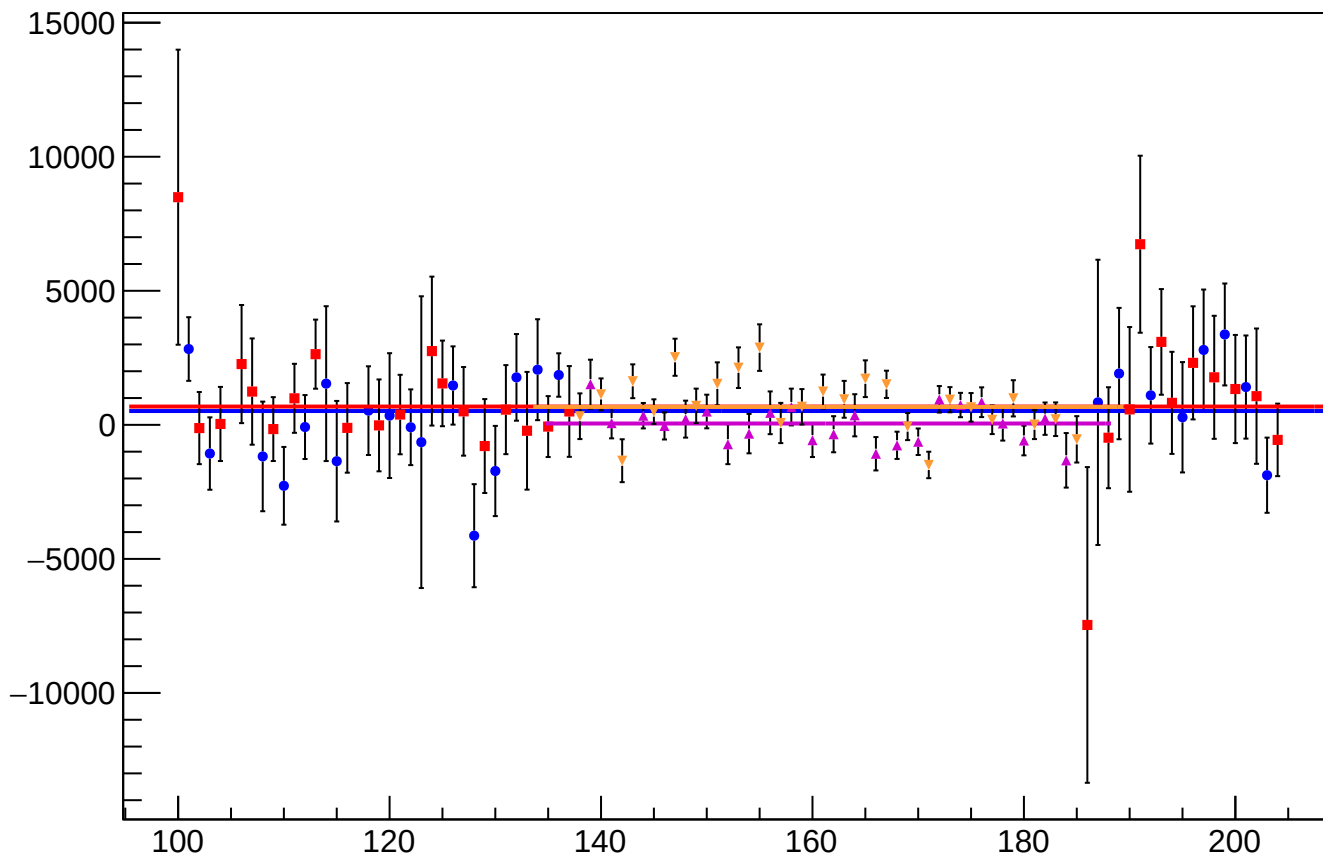
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 584.030 $\pm$ 0.081 χ^2 /NDF: 8624666.8/49

All: 589.237 $\pm$ 0.058 χ^2 /NDF: 19027699.1/10

- sign 594.597 $\pm$ 0.082 χ^2 /NDF: 10394615.5/52

asym_sam_12345678_avg_mean vs Slug



Right In: 515.443+/-326.834 χ^2/NDF : 29.8/24

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 682.356+/-317.060 χ^2/NDF : 17.6/29

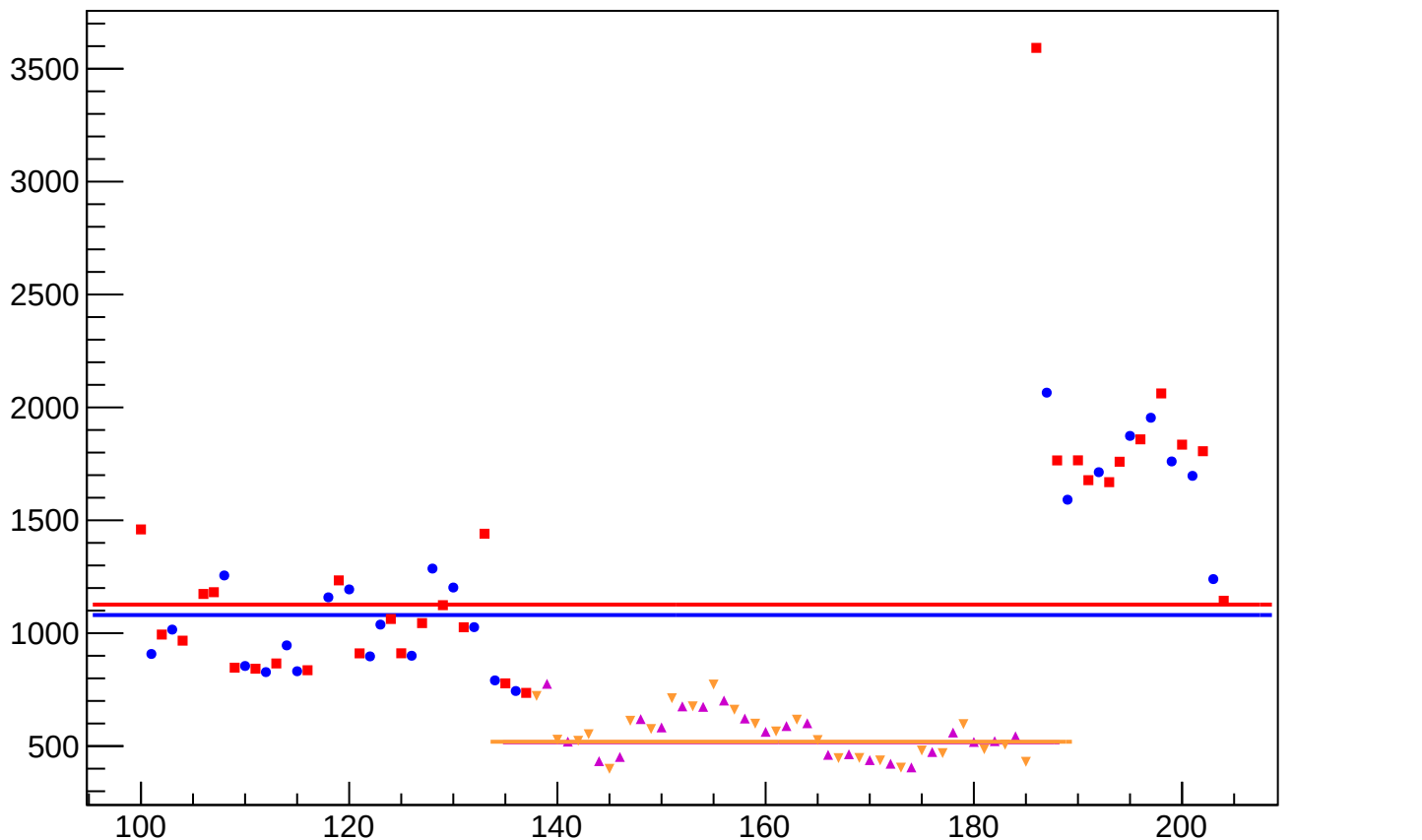
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 648.706+/-115.237 χ^2/NDF : 91.5/49

All: 396.145+/-82.079 χ^2/NDF : 148.4/102

- sign 136.083+/-116.936 χ^2/NDF : 47.1/52

asym_sam_12345678_avg_rms vs Slug



Right In: 1080.397 $\pm$ 0.231 χ^2 /NDF: 2218132.3/24

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF:1172411.1/24

Right Out: 1126.720 $\pm$ 0.224 χ^2 /NDF: 2901807.8/29

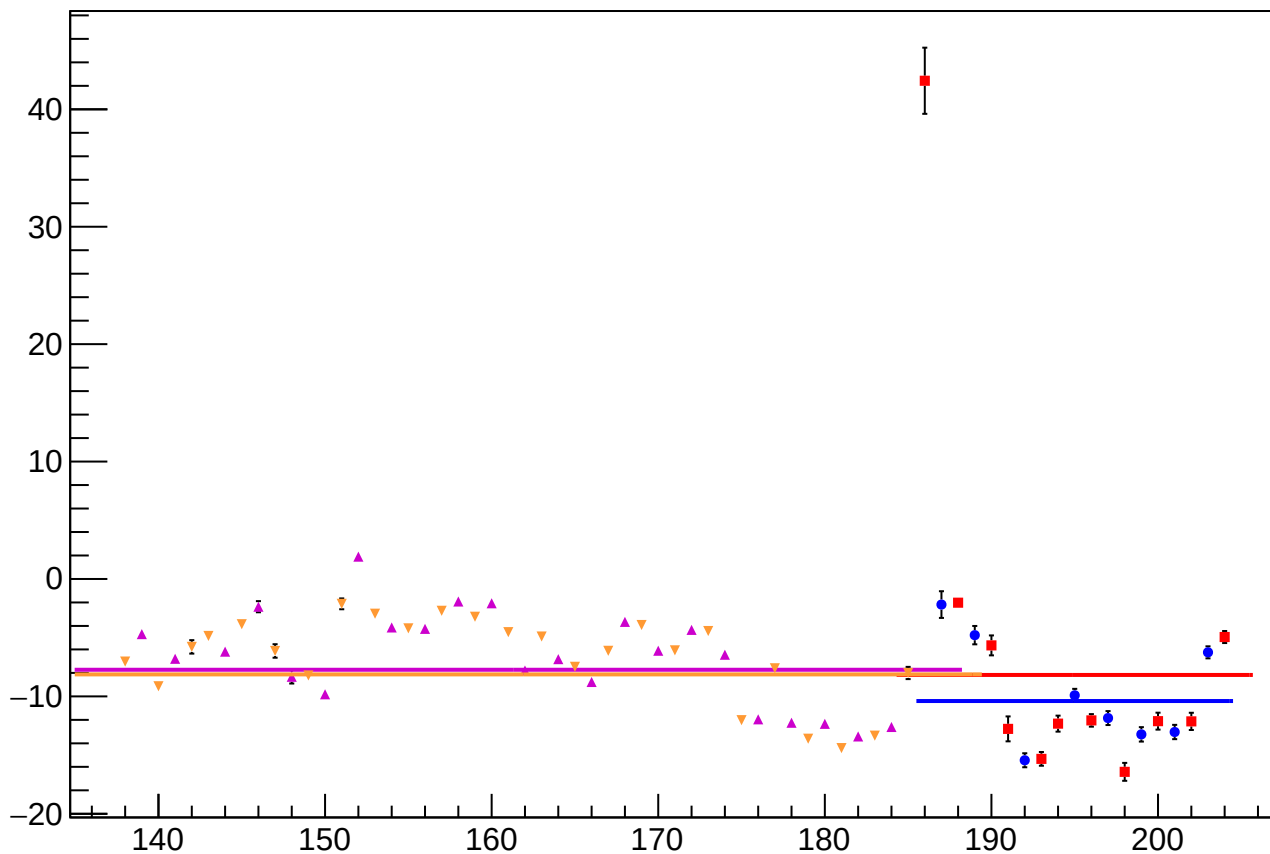
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF:1021374.1/22

+ sign 589.013 $\pm$ 0.081 χ^2 /NDF: 8553156.0/49

All: 594.306 $\pm$ 0.058 χ^2 /NDF: 18879403.7/10

- sign 599.757 $\pm$ 0.083 χ^2 /NDF: 10317683.9/52

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -10.395 ± 0.221 χ^2/NDF : 287.6/7

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -8.174 ± 0.185 χ^2/NDF : 1140.4/10

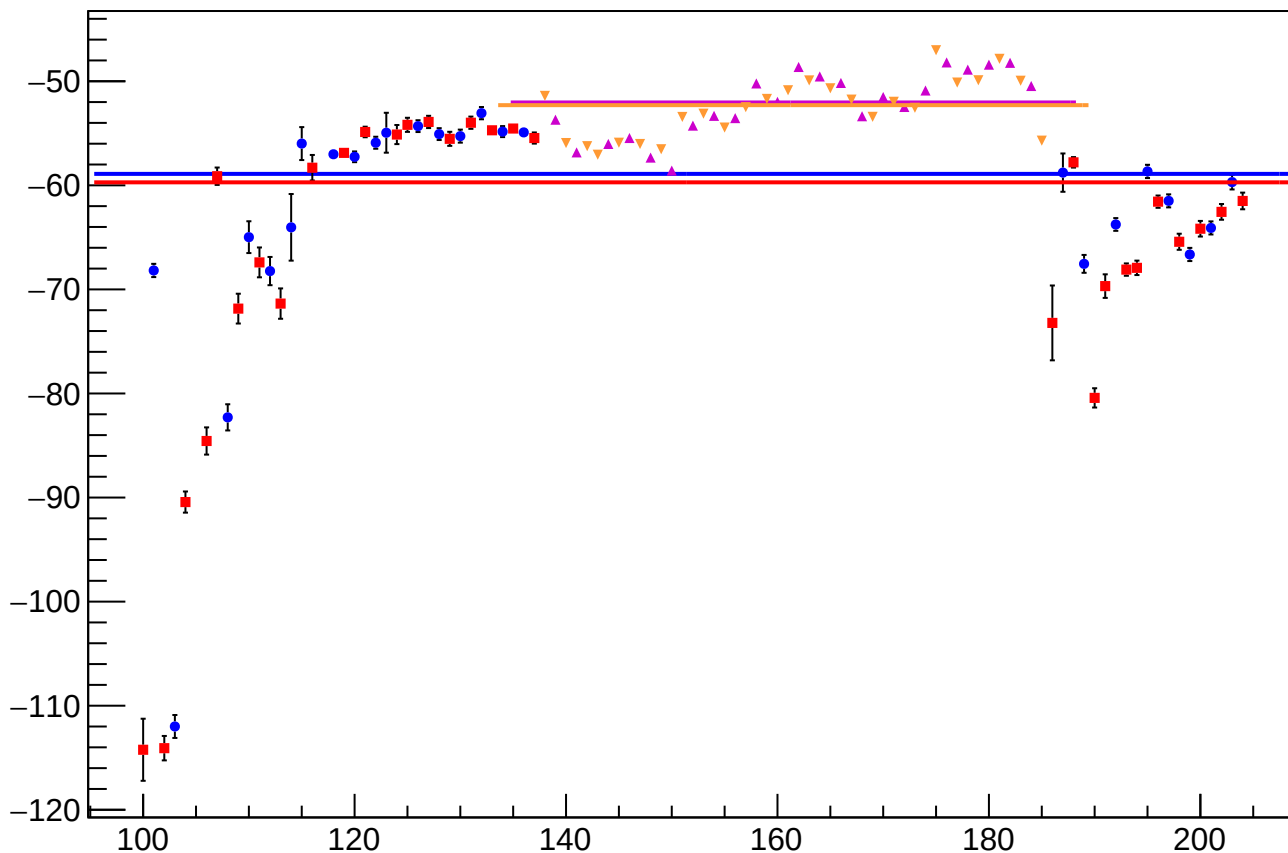
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -8.321 ± 0.064 χ^2/NDF : 4019.6/32

All: -8.053 ± 0.046 χ^2/NDF : 8918.4/66

- sign -7.786 ± 0.065 χ^2/NDF : 4864.4/33

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.900 ± 0.124 χ^2/NDF : 3944.5/24

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -59.713 ± 0.120 χ^2/NDF : 5957.5/29

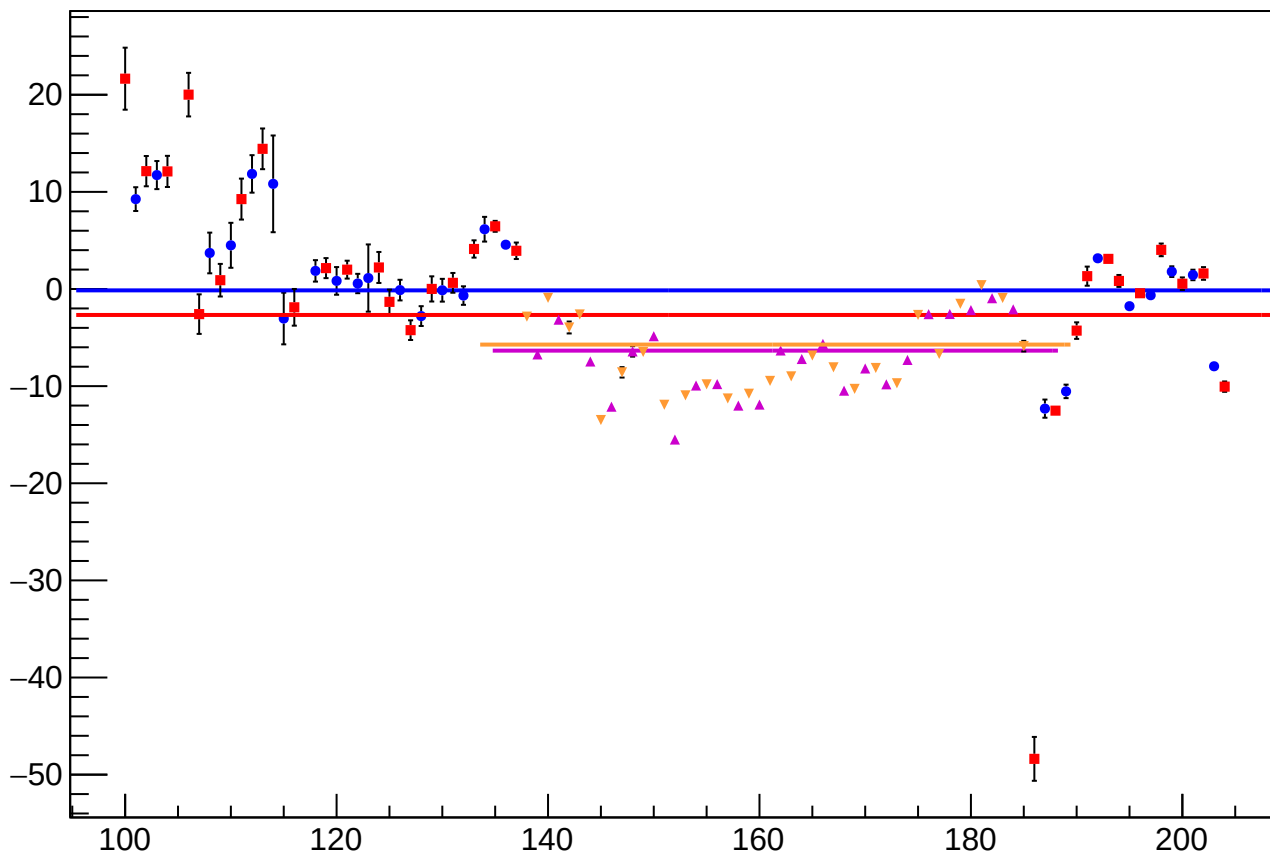
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.385 ± 0.050 χ^2/NDF : 8972.9/49

All: -53.419 ± 0.036 χ^2/NDF : 21440.2/102

- sign -53.455 ± 0.052 χ^2/NDF : 12466.4/52

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -0.140 ± 0.157 χ^2/NDF : 1047.0/24

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -2.672 ± 0.139 χ^2/NDF : 3183.3/29

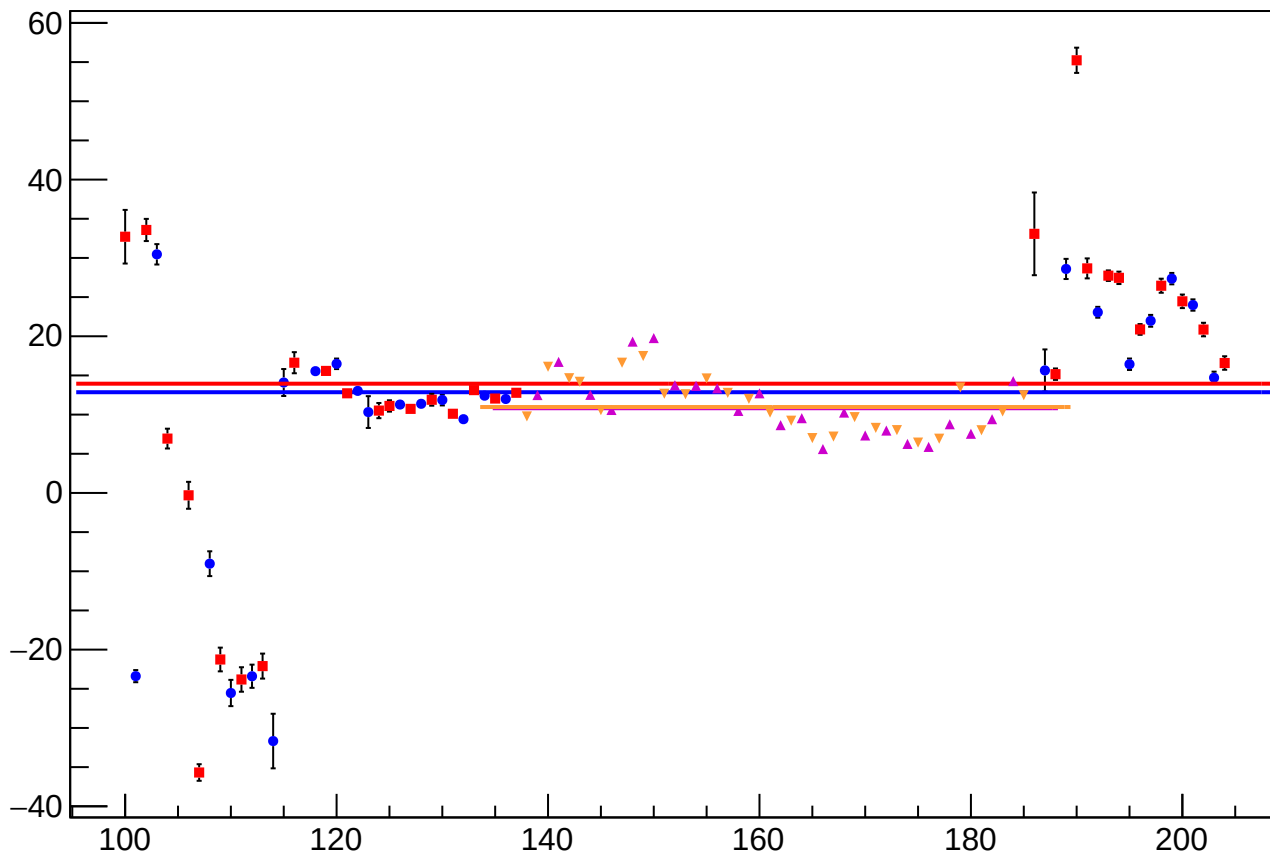
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.846 ± 0.062 χ^2/NDF : 6100.6/49

All: -5.237 ± 0.044 χ^2/NDF : 13309.8/102

- sign -5.621 ± 0.062 χ^2/NDF : 7130.4/52

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.858 $\pm$ 0.139 χ^2 /NDF: 5136.0/24

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 13.947 $\pm$ 0.137 χ^2 /NDF: 6346.0/29

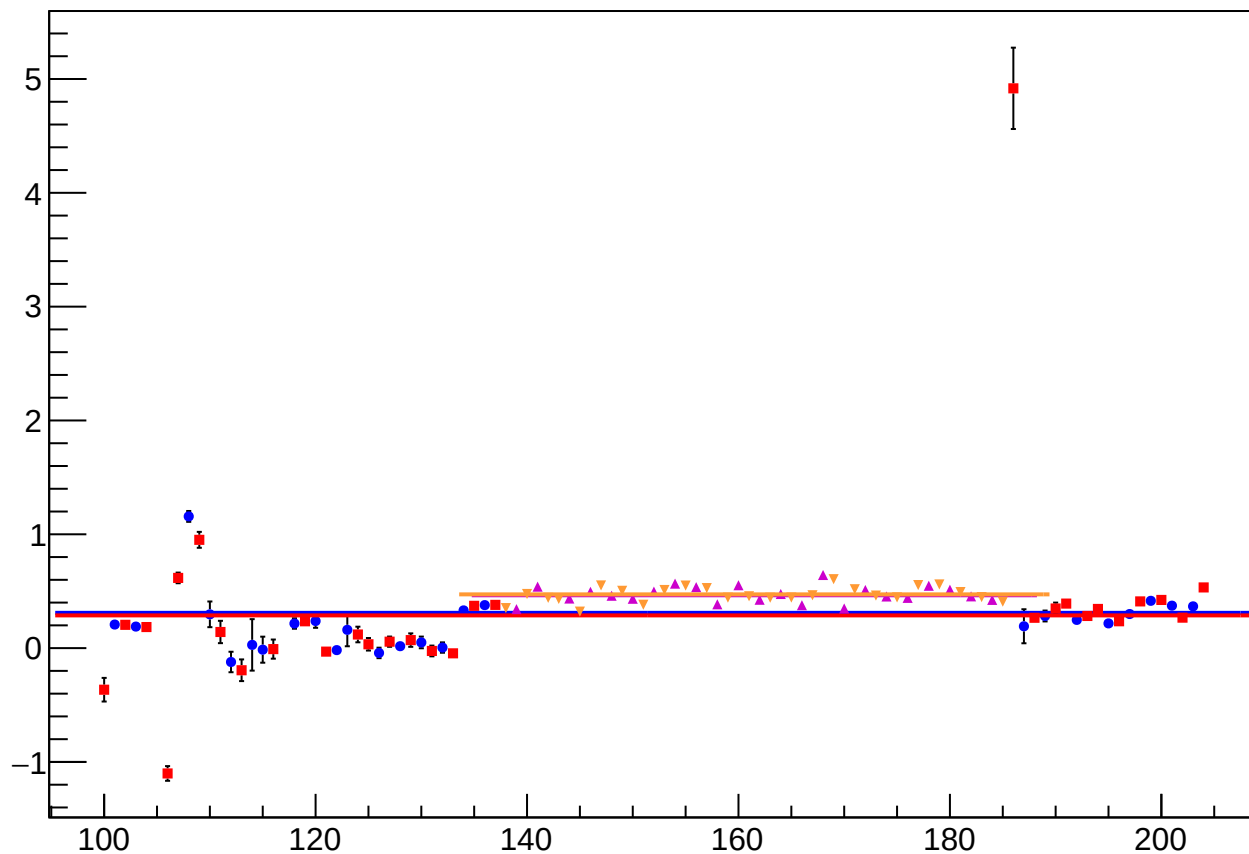
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 11.276 $\pm$ 0.056 χ^2 /NDF: 7928.7/49

All: 11.317 $\pm$ 0.040 χ^2 /NDF: 18252.5/102

- sign 11.360 $\pm$ 0.057 χ^2 /NDF: 10322.7/52

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.310 ± 0.006 χ^2/NDF : 714.4/24

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.288 ± 0.006 χ^2/NDF : 1299.2/29

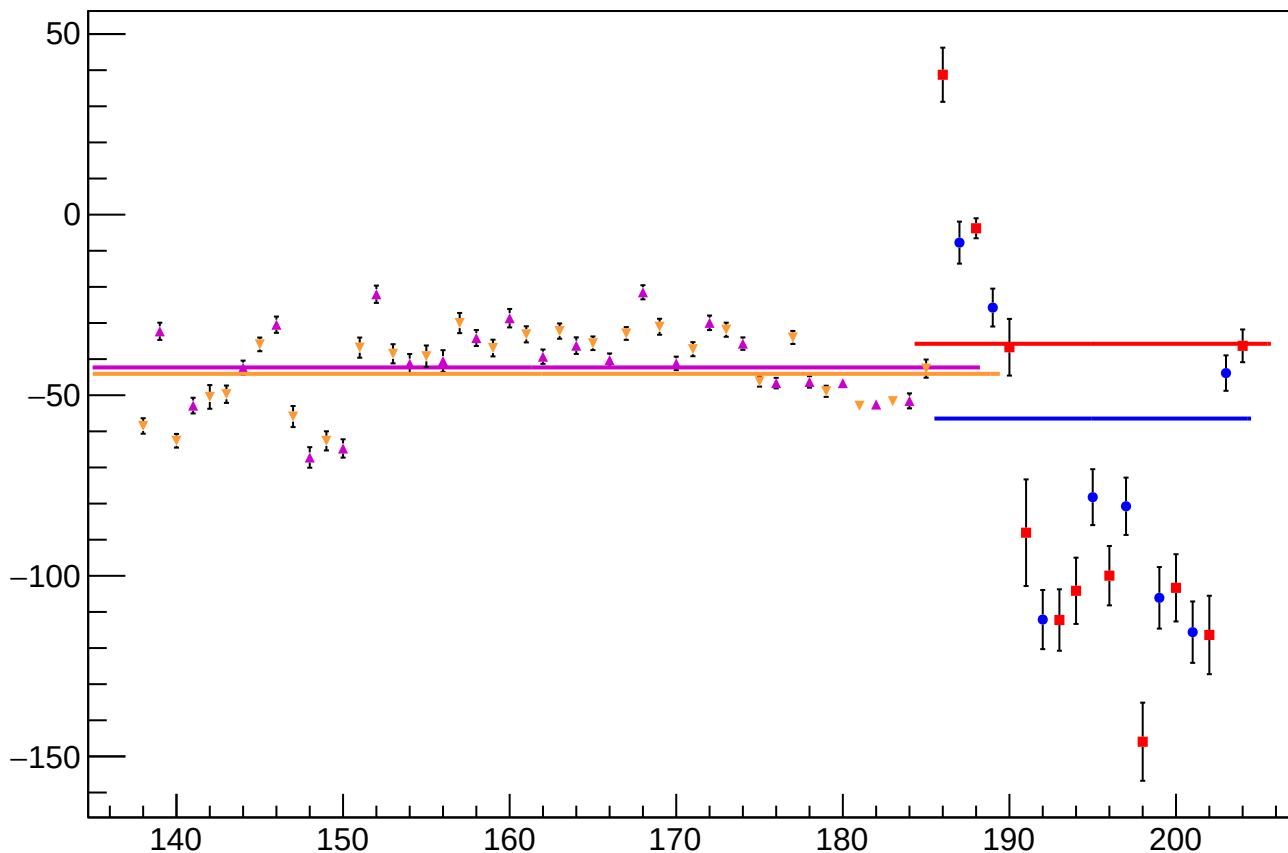
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.444 ± 0.003 χ^2/NDF : 1826.3/49

All: 0.439 ± 0.002 χ^2/NDF : 4580.2/102

- sign 0.433 ± 0.003 χ^2/NDF : 2743.8/52

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -56.456 ± 2.341 χ^2/NDF : 256.8/7

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -35.756 ± 1.866 χ^2/NDF : 653.9/10

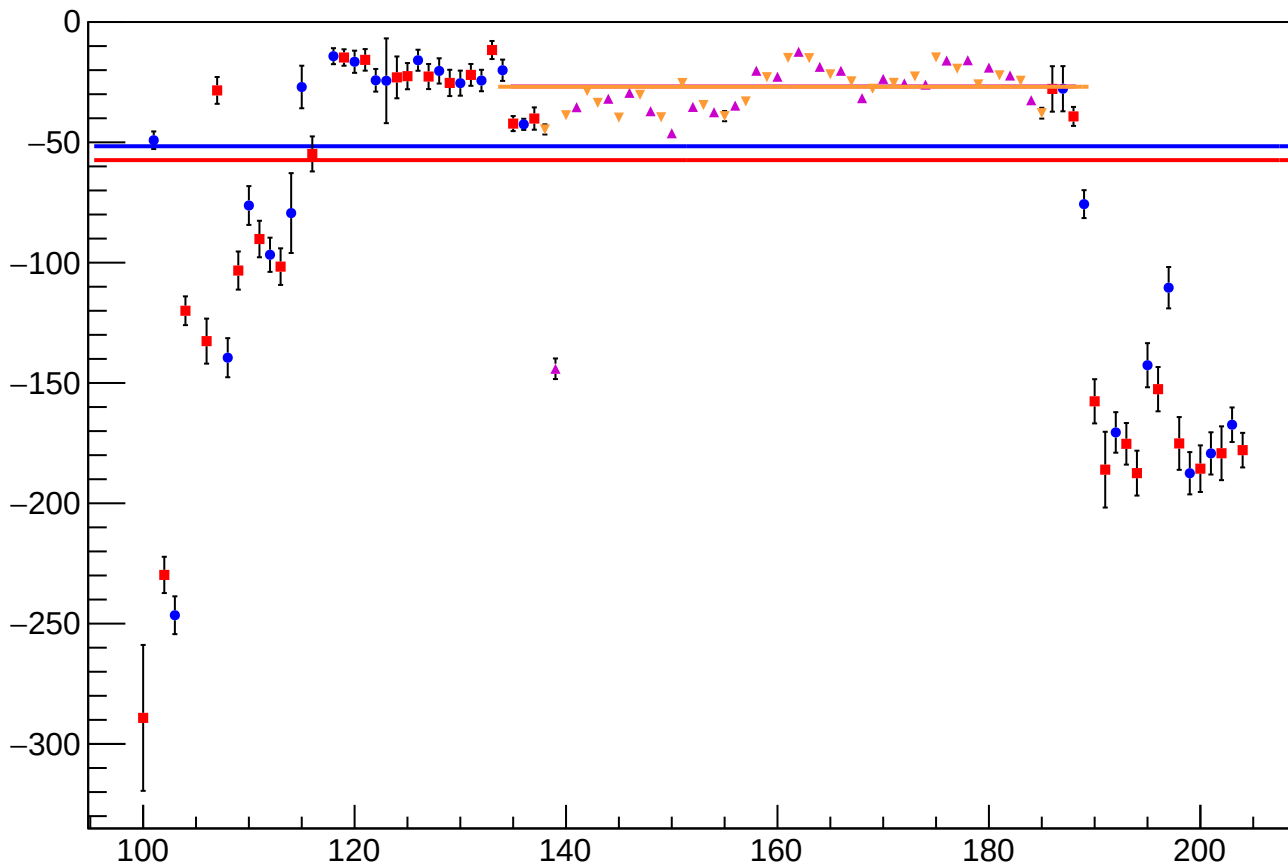
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -44.410 ± 0.383 χ^2/NDF : 916.6/32

All: -43.235 ± 0.274 χ^2/NDF : 2242.0/66

- sign -42.018 ± 0.390 χ^2/NDF : 1306.3/33

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -51.625 ± 1.064 $\chi^2/\text{NDF}: 2324.4/24$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -57.393 ± 1.081 $\chi^2/\text{NDF}: 2889.5/29$

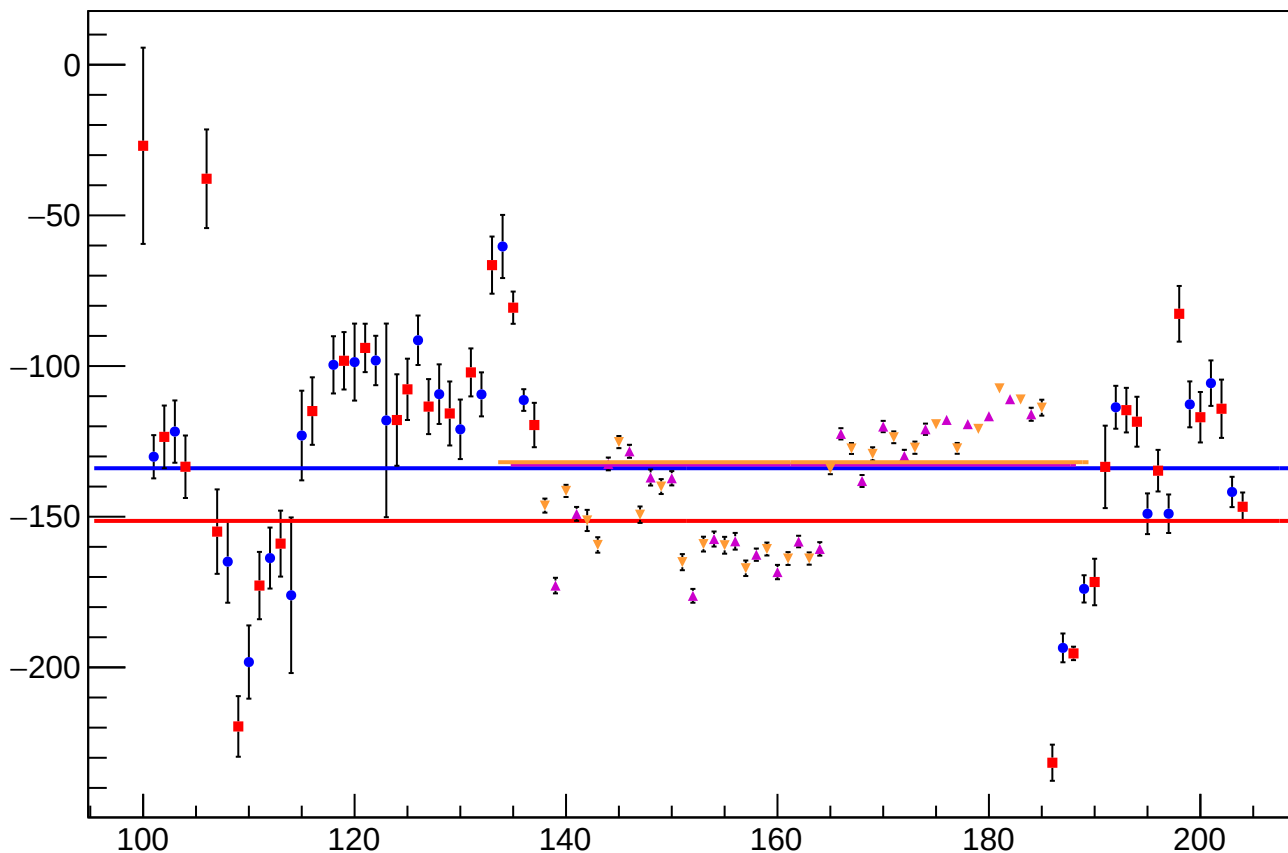
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -28.907 ± 0.303 $\chi^2/\text{NDF}: 3451.1/49$

All: -29.112 ± 0.218 $\chi^2/\text{NDF}: 8471.0/102$

- sign -29.330 ± 0.312 $\chi^2/\text{NDF}: 5019.0/52$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -133.912 ± 1.469 $\chi^2/\text{NDF}: 498.2/24$

Left Out: -131.912 ± 0.391 $\chi^2/\text{NDF}: 2439.3/24$

Right Out: -151.393 ± 1.302 $\chi^2/\text{NDF}: 1290.9/29$

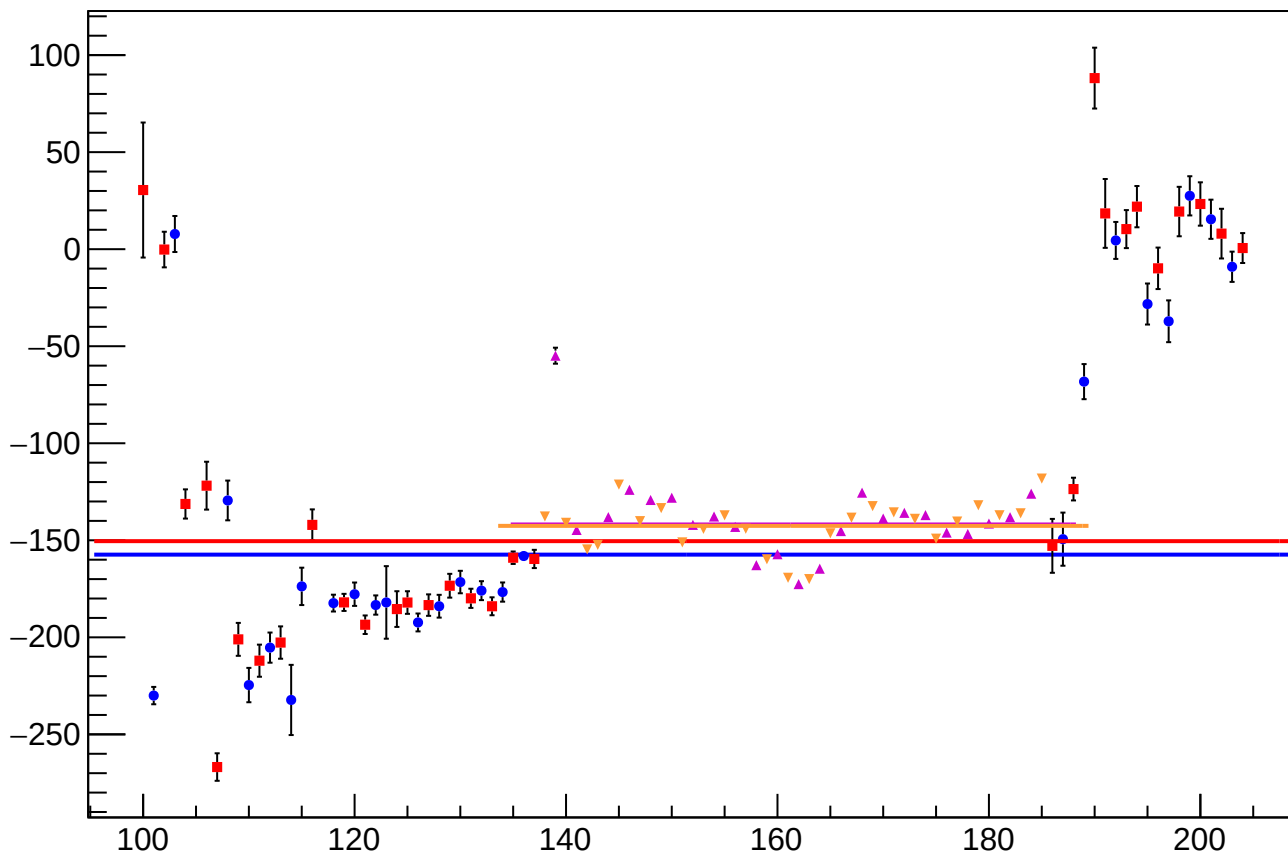
Left In: -132.690 ± 0.399 $\chi^2/\text{NDF}: 2480.2/22$

+ sign -132.045 ± 0.378 $\chi^2/\text{NDF}: 2939.3/49$

All: -133.161 ± 0.269 $\chi^2/\text{NDF}: 6916.8/102$

- sign -134.299 ± 0.382 $\chi^2/\text{NDF}: 3959.9/52$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -157.387 ± 1.201 χ^2/NDF : 2542.2/24

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -150.443 ± 1.242 χ^2/NDF : 3038.7/29

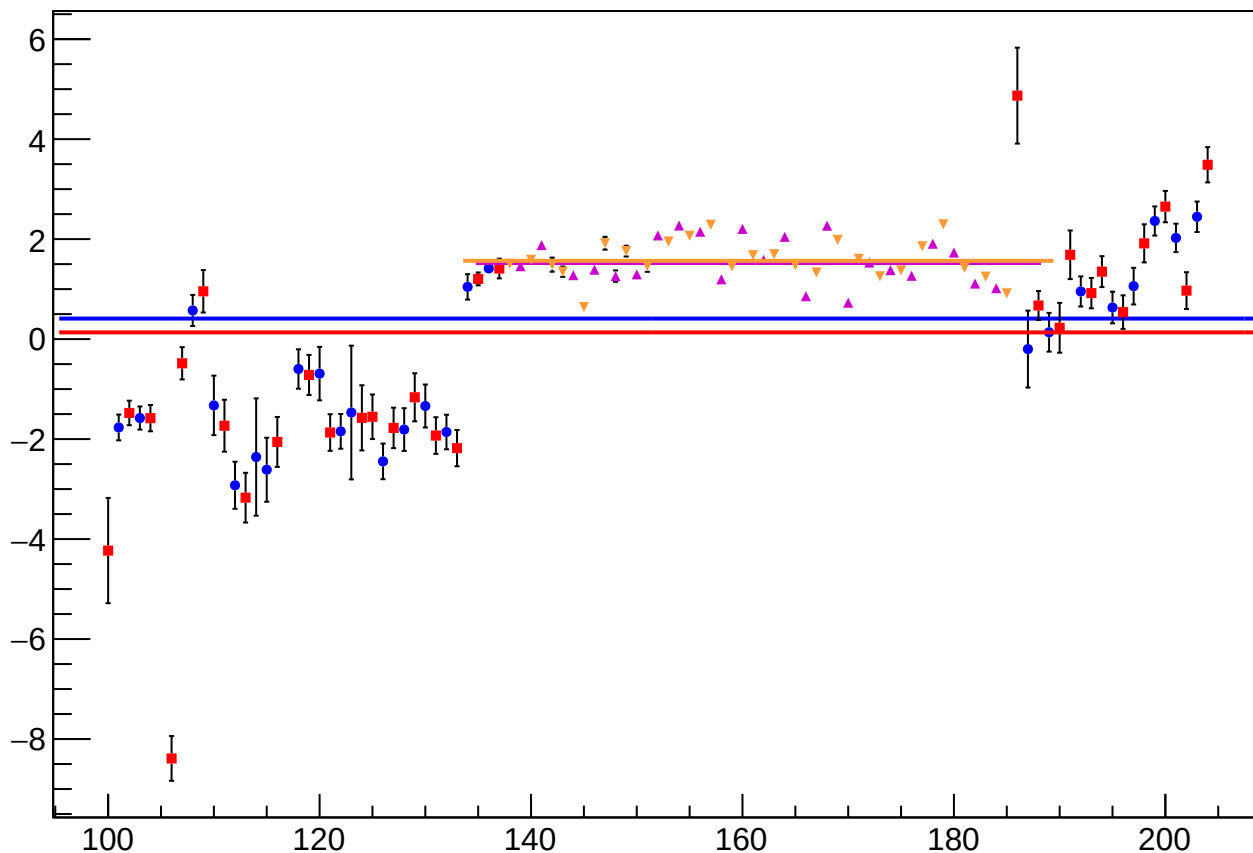
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -143.750 ± 0.340 χ^2/NDF : 3830.2/49

All: -143.159 ± 0.243 χ^2/NDF : 8463.4/102

- sign -142.535 ± 0.349 χ^2/NDF : 4626.9/52

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.411 ± 0.058 χ^2/NDF : 679.9/24

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.134 ± 0.060 χ^2/NDF : 1060.9/29

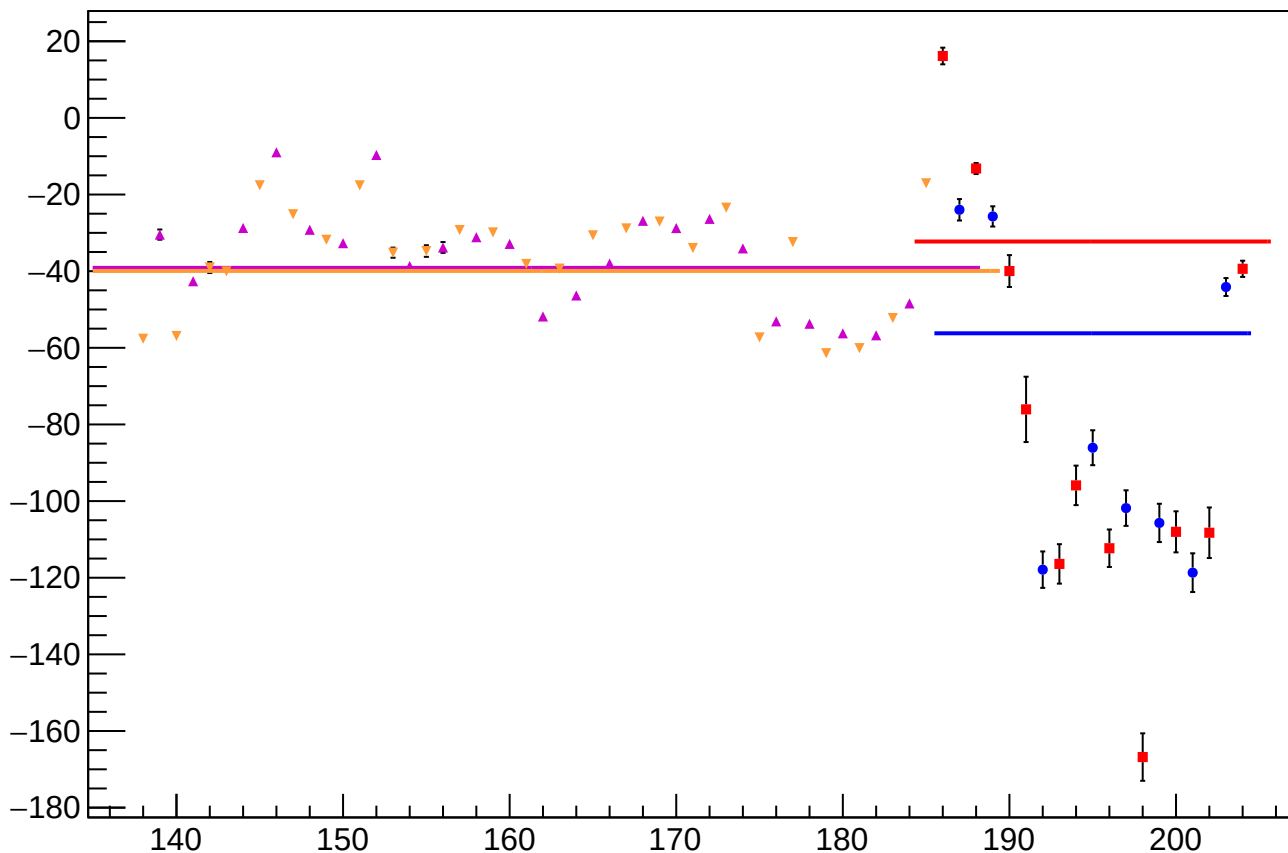
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.484 ± 0.016 χ^2/NDF : 1586.2/49

All: 1.455 ± 0.011 χ^2/NDF : 3894.7/102

- sign 1.424 ± 0.016 χ^2/NDF : 2301.4/52

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -56.211 ± 1.219 $\chi^2/\text{NDF}: 852.1/7$

Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$

Right Out: -32.259 ± 0.917 $\chi^2/\text{NDF}: 2205.1/10$

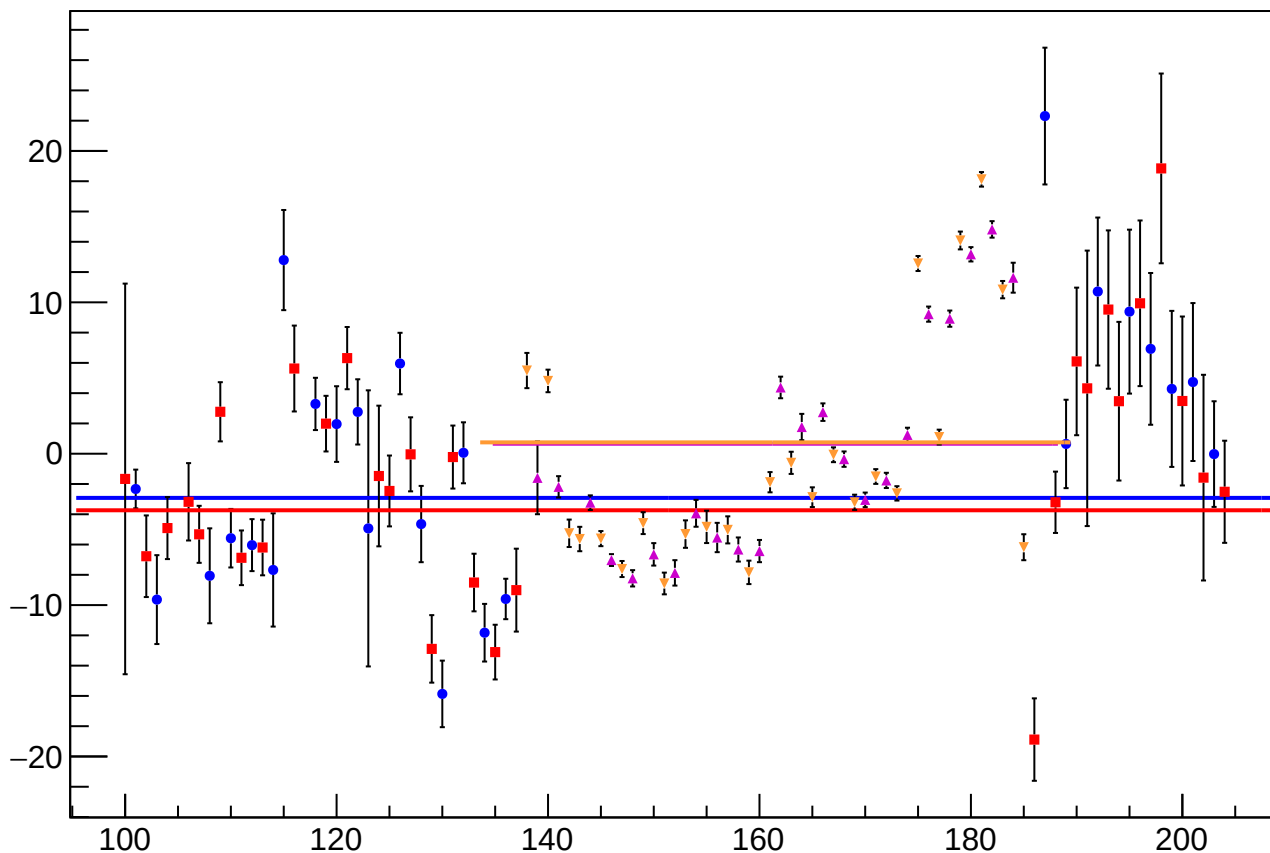
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -40.188 ± 0.152 $\chi^2/\text{NDF}: 10834.1/32$

All: -39.569 ± 0.108 $\chi^2/\text{NDF}: 21661.7/66$

- sign -38.947 ± 0.152 $\chi^2/\text{NDF}: 10794.3/33$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -2.918 ± 0.474 $\chi^2/\text{NDF}: 218.9/24$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.737 ± 0.467 $\chi^2/\text{NDF}: 187.5/29$

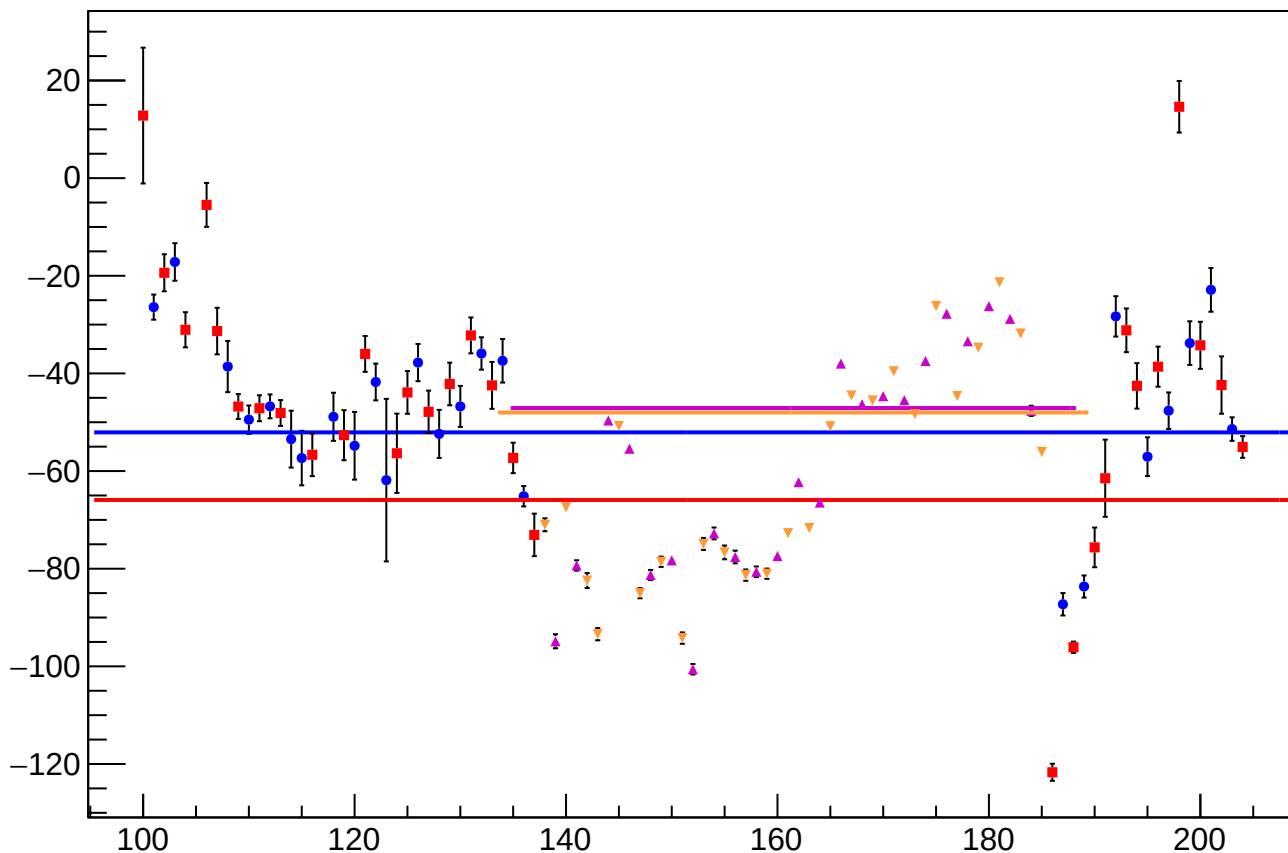
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.514 ± 0.120 $\chi^2/\text{NDF}: 4245.7/49$

All: 0.441 ± 0.085 $\chi^2/\text{NDF}: 7854.6/102$

- sign 0.369 ± 0.120 $\chi^2/\text{NDF}: 3608.1/52$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -52.076 ± 0.686 χ^2/NDF : 817.9/24

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -65.918 ± 0.586 χ^2/NDF : 3080.5/29

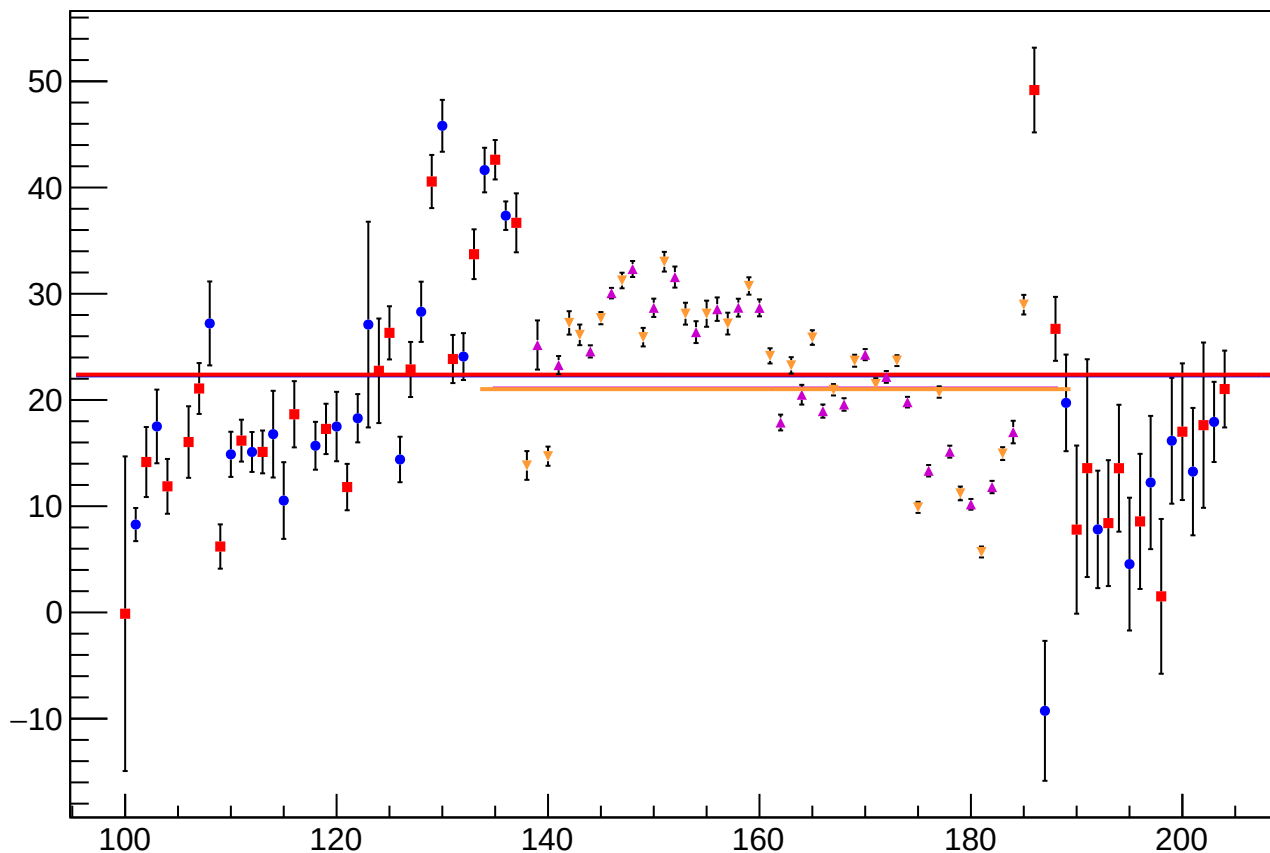
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.205 ± 0.151 χ^2/NDF : 17801.3/49

All: -48.263 ± 0.106 χ^2/NDF : 37361.5/102

- sign -48.320 ± 0.150 χ^2/NDF : 19559.8/52

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.316 $\pm$ 0.537 χ^2 /NDF: 504.9/24

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF:2799.3/24

Right Out: 22.387 $\pm$ 0.538 χ^2 /NDF: 439.5/29

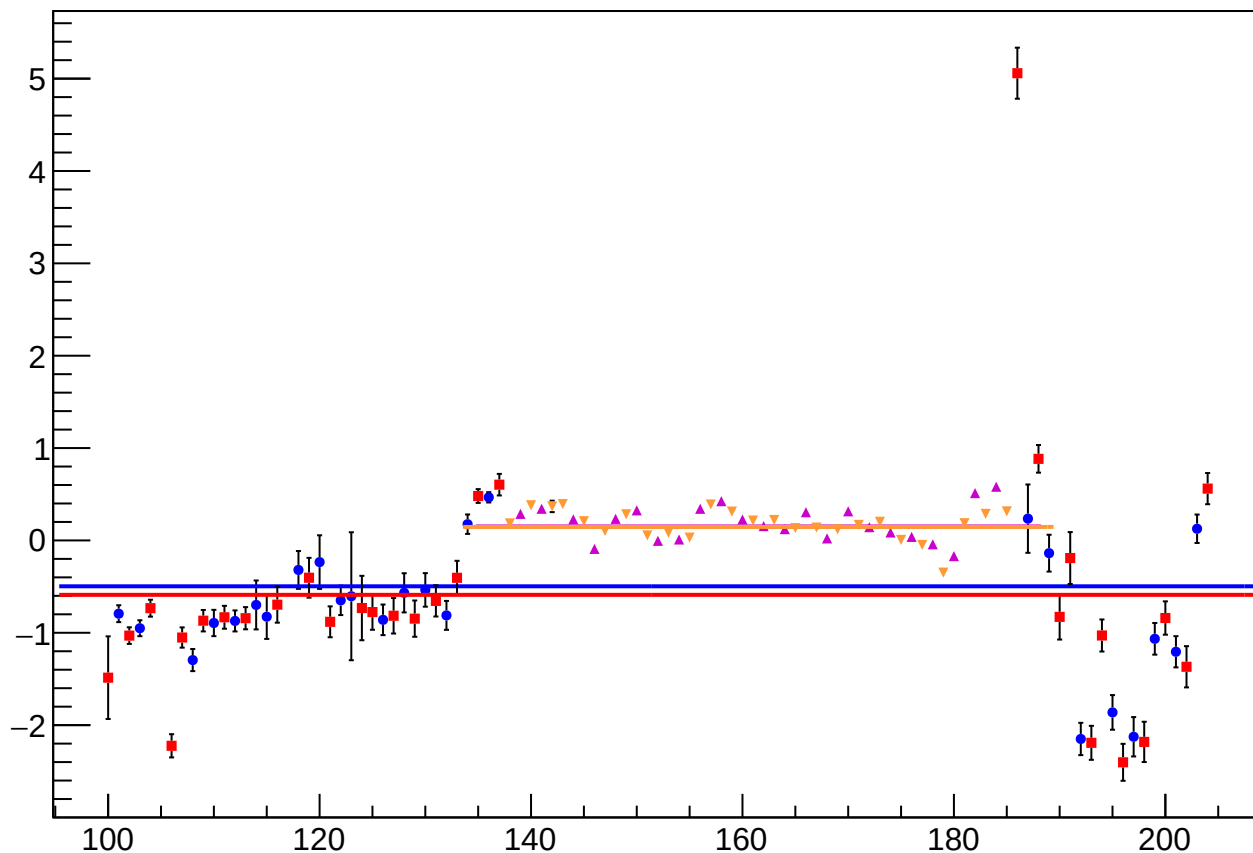
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

+ sign 21.101 $\pm$ 0.134 χ^2 /NDF: 3309.6/49

All: 21.131 $\pm$ 0.095 χ^2 /NDF: 5928.0/102

- sign 21.161 $\pm$ 0.135 χ^2 /NDF: 2618.3/52

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.497 ± 0.027 χ^2/NDF : 706.6/24

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.589 ± 0.027 χ^2/NDF : 1347.1/29

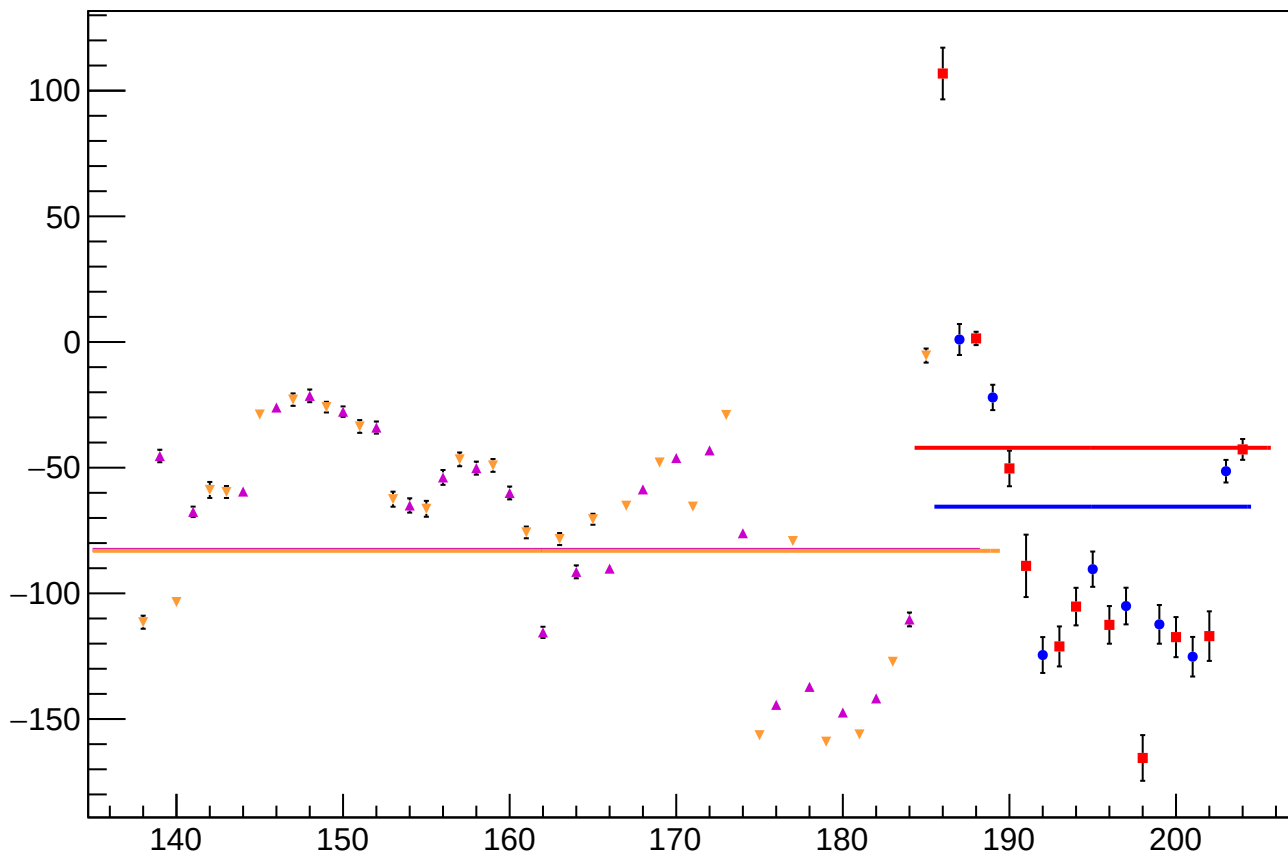
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.114 ± 0.006 χ^2/NDF : 1837.4/49

All: 0.113 ± 0.004 χ^2/NDF : 4767.3/102

- sign 0.112 ± 0.006 χ^2/NDF : 2929.8/52

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -65.514 ± 2.199 χ^2/NDF : 405.3/7

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -42.081 ± 1.752 χ^2/NDF : 1084.3/10

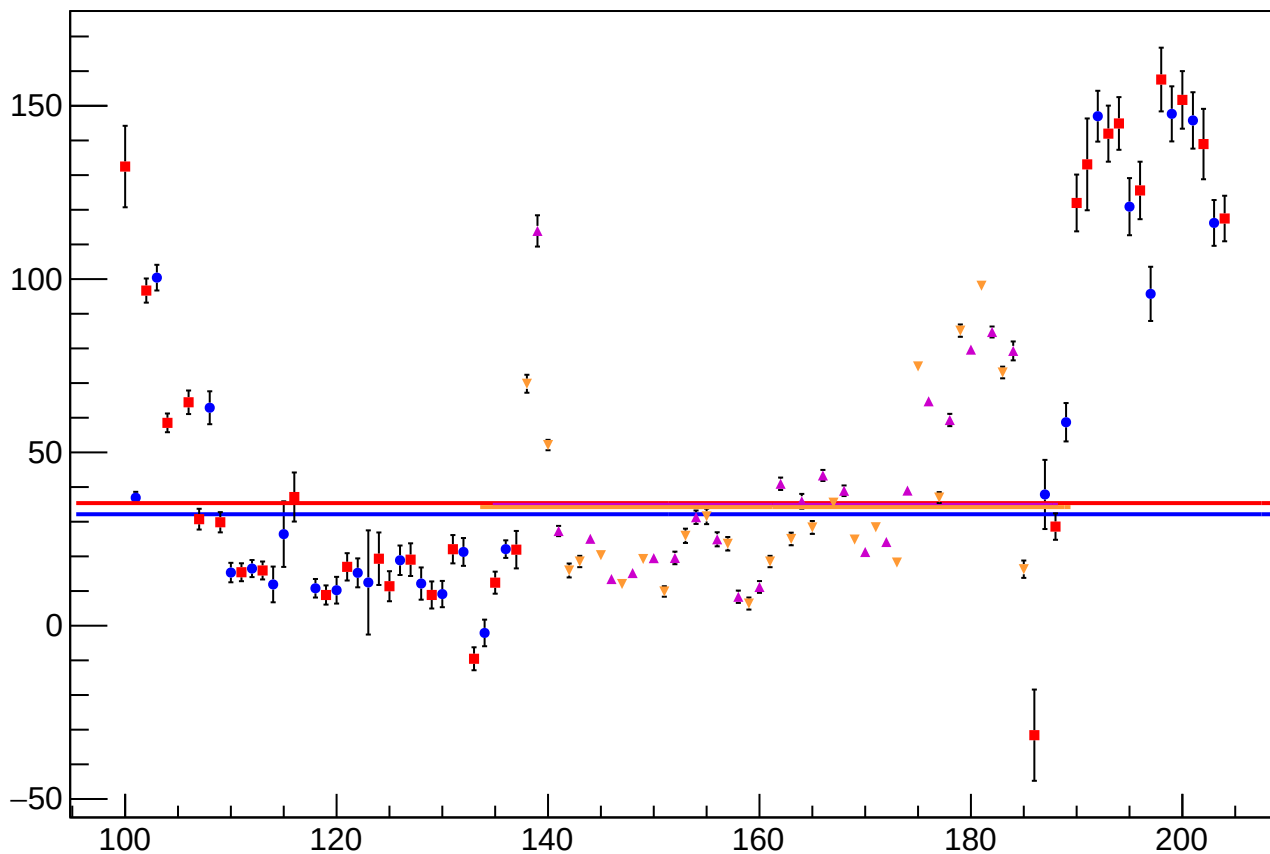
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -82.489 ± 0.400 χ^2/NDF : 14284.2/32

All: -81.530 ± 0.284 χ^2/NDF : 26730.8/66

- sign -80.551 ± 0.404 χ^2/NDF : 12434.9/33

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 32.156 $\pm$ 0.772 χ^2 /NDF: 1782.5/24

Left Out: 34.219 $\pm$ 0.320 χ^2 /NDF:6192.6/24

Right Out: 35.371 $\pm$ 0.762 χ^2 /NDF: 2434.3/29

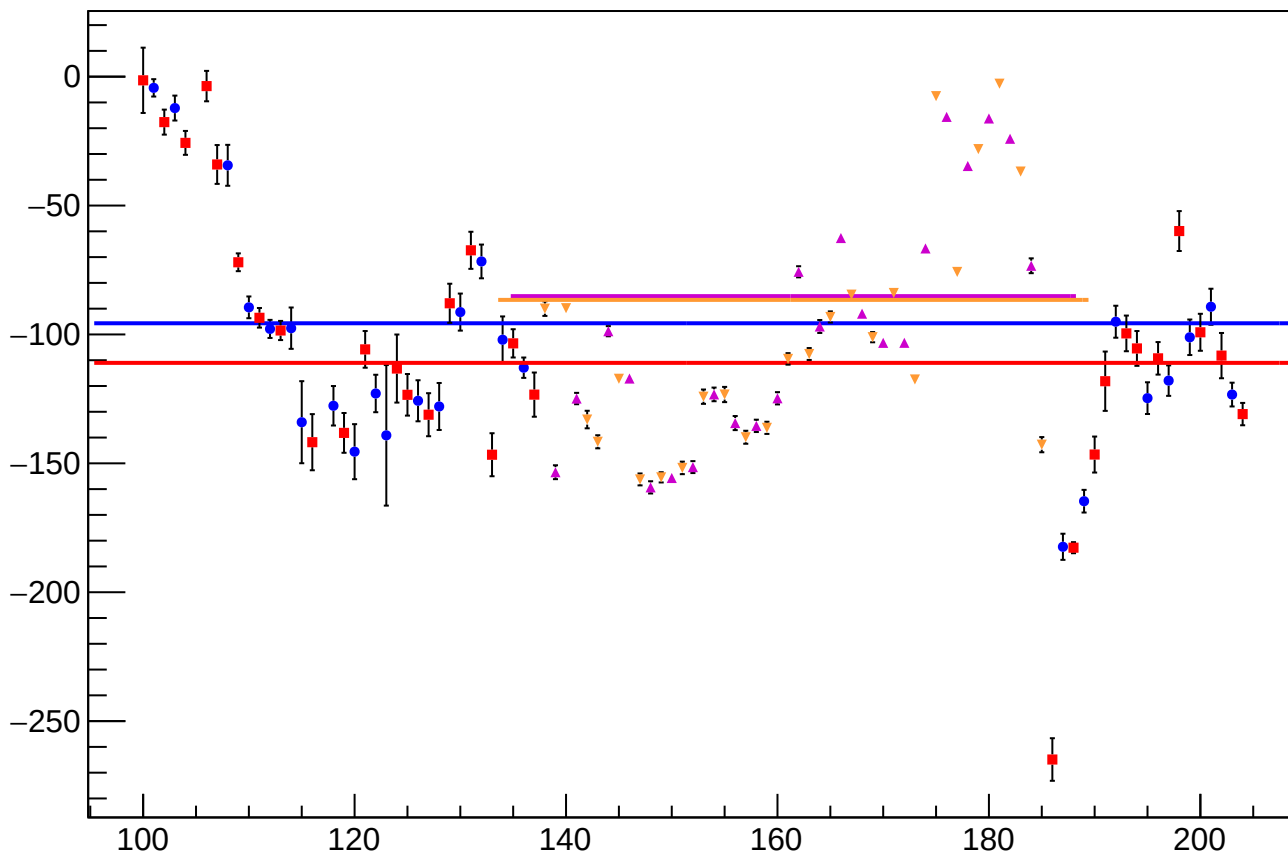
Left In: 34.870 $\pm$ 0.329 χ^2 /NDF:4716.1/22

+ sign 33.916 $\pm$ 0.296 χ^2 /NDF: 7981.2/49

All: 34.421 $\pm$ 0.211 χ^2 /NDF: 15138.0/102

- sign 34.949 $\pm$ 0.302 χ^2 /NDF: 7150.8/52

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -95.666 ± 1.149 $\chi^2/\text{NDF}: 1830.1/24$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -111.026 ± 1.012 $\chi^2/\text{NDF}: 3040.2/29$

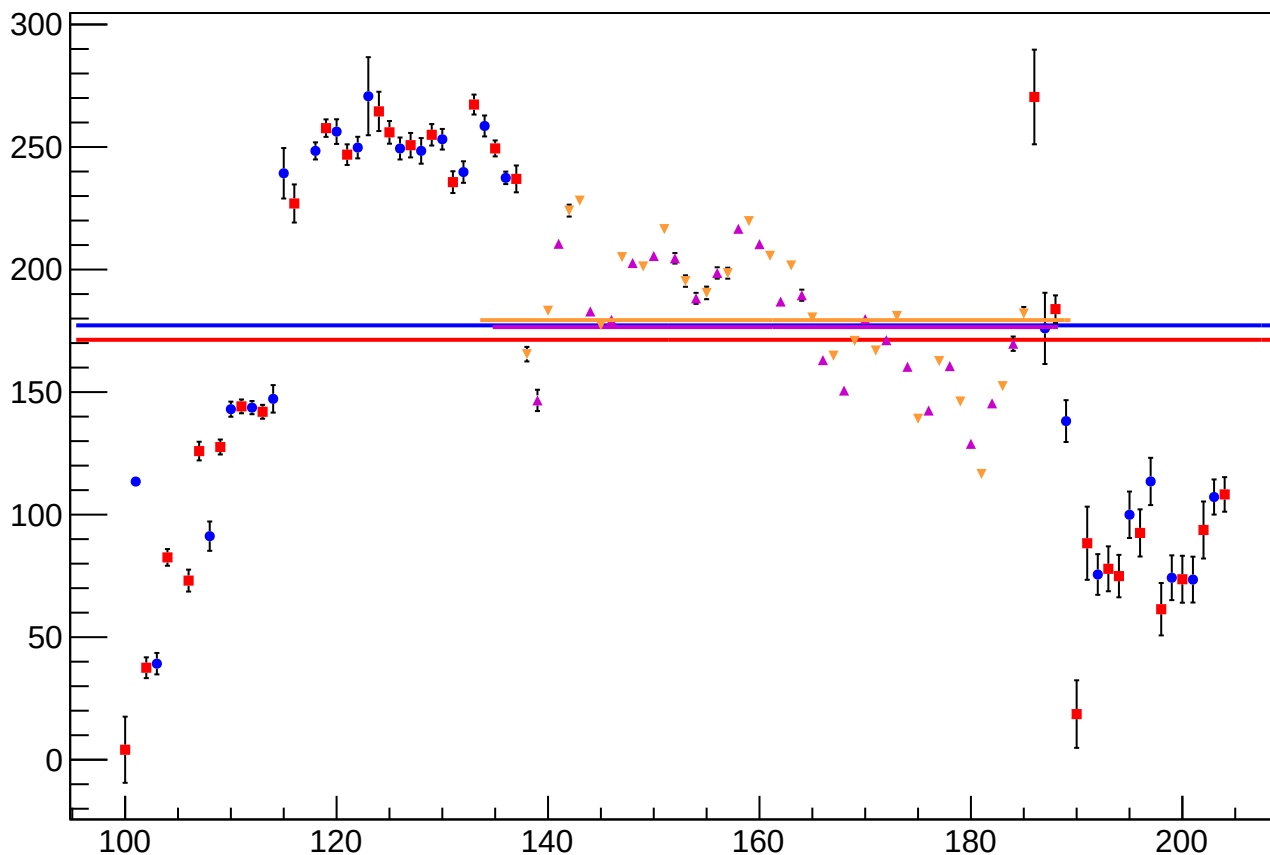
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -87.612 ± 0.385 $\chi^2/\text{NDF}: 16401.1/49$

All: -88.237 ± 0.272 $\chi^2/\text{NDF}: 32847.9/102$

- sign -88.860 ± 0.384 $\chi^2/\text{NDF}: 16441.5/52$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 177.226 $\pm$ 0.884 χ^2 /NDF: 5990.7/24

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 171.339 $\pm$ 0.878 χ^2 /NDF: 7200.8/29

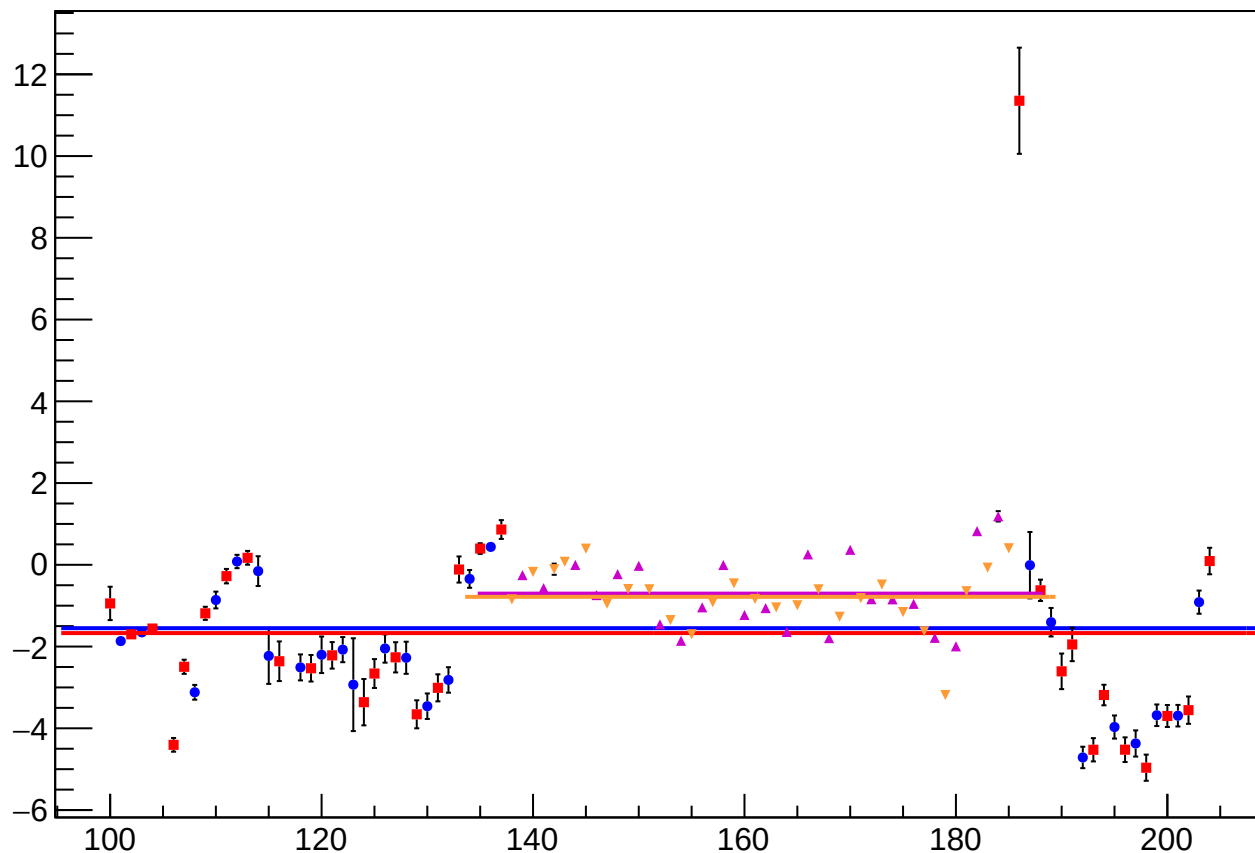
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 179.053 $\pm$ 0.335 χ^2 /NDF: 11977.9/49

All: 177.433 $\pm$ 0.239 χ^2 /NDF: 23682.2/102

- sign 175.745 $\pm$ 0.342 χ^2 /NDF: 11656.5/52

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.550 ± 0.044 χ^2/NDF : 1110.9/24

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.670 ± 0.041 χ^2/NDF : 1529.6/29

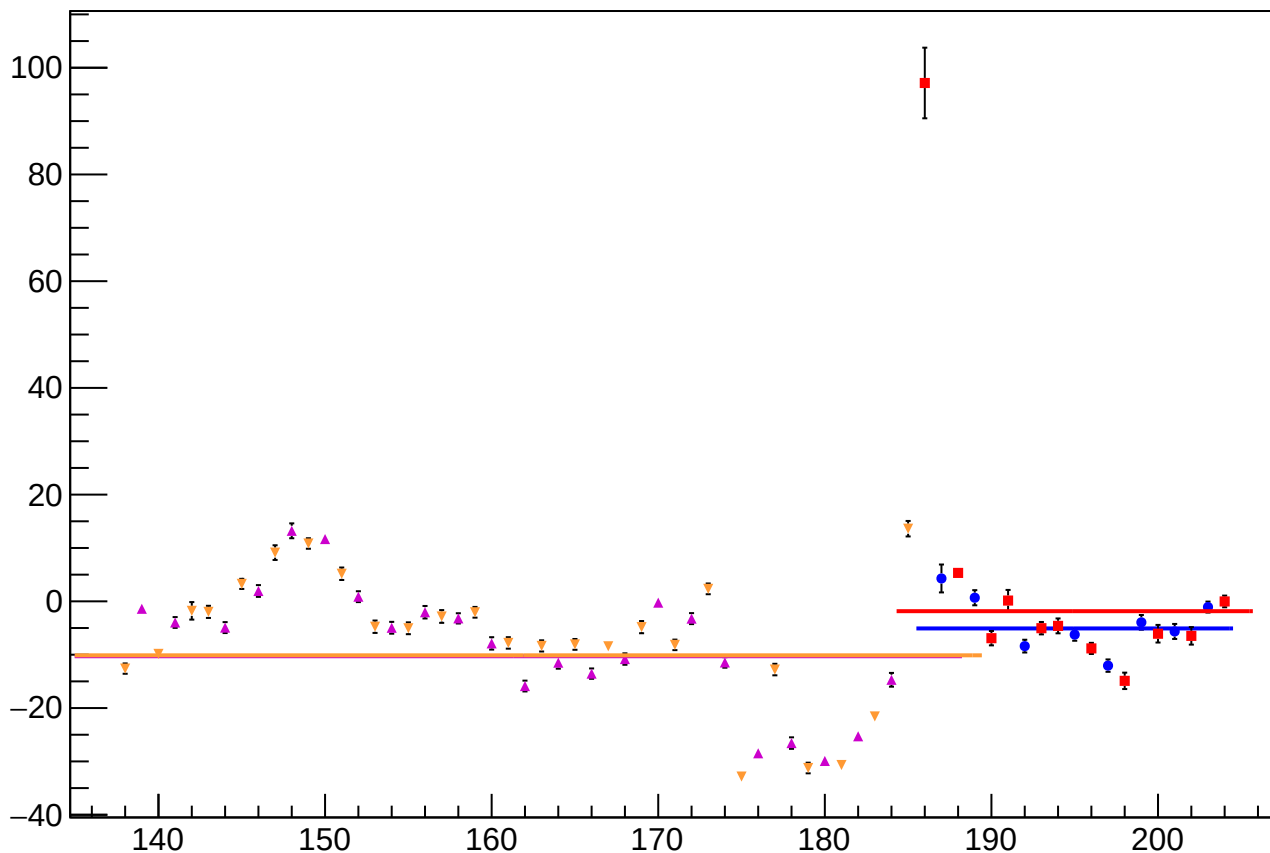
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.879 ± 0.016 χ^2/NDF : 3149.2/49

All: -0.861 ± 0.011 χ^2/NDF : 7555.0/102

- sign -0.843 ± 0.016 χ^2/NDF : 4403.1/52

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -5.080 ± 0.456 χ^2/NDF : 90.0/7

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.844 ± 0.367 χ^2/NDF : 510.1/10

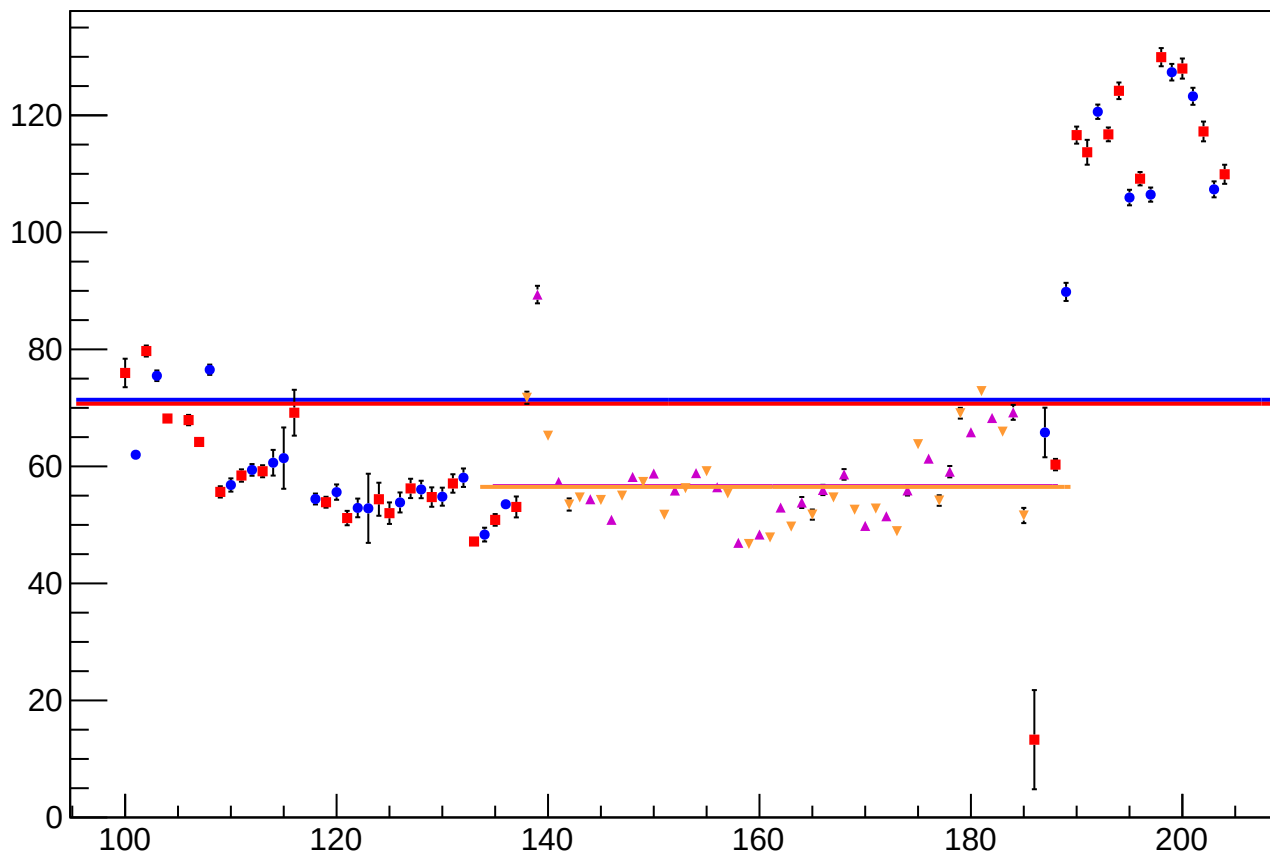
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -9.295 ± 0.184 χ^2/NDF : 4330.3/32

All: -8.769 ± 0.128 χ^2/NDF : 8711.1/66

- sign -8.272 ± 0.179 χ^2/NDF : 4365.0/33

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 71.383 ± 0.234 $\chi^2/\text{NDF}: 9384.6/24$

Left Out: 56.496 ± 0.159 $\chi^2/\text{NDF}: 1968.0/24$

Right Out: 70.709 ± 0.216 $\chi^2/\text{NDF}: 12930.8/29$

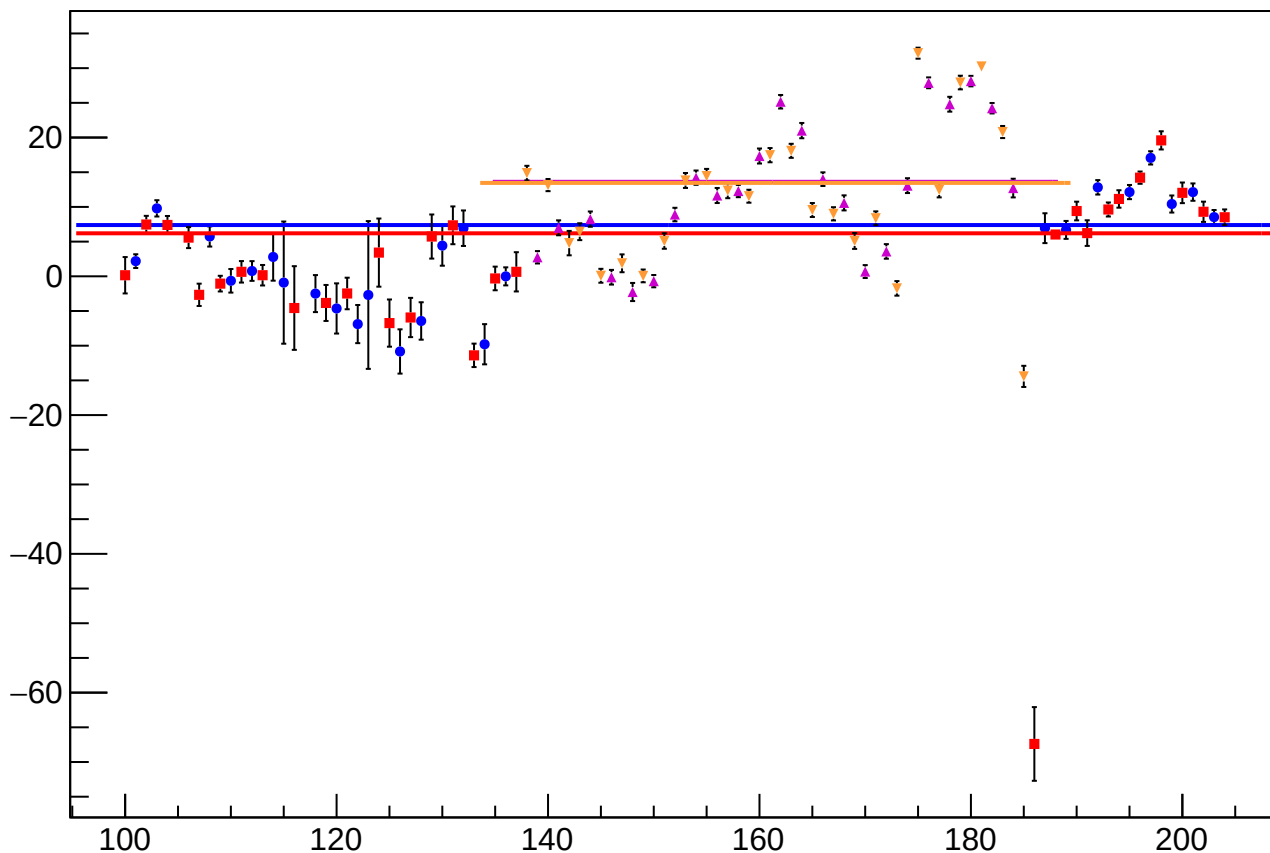
Left In: 56.635 ± 0.165 $\chi^2/\text{NDF}: 1607.9/22$

+ sign 61.202 ± 0.131 $\chi^2/\text{NDF}: 14128.5/49$

All: 61.519 ± 0.093 $\chi^2/\text{NDF}: 31362.3/102$

- sign 61.834 ± 0.131 $\chi^2/\text{NDF}: 17222.2/52$

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.388 ± 0.305 χ^2/NDF : 433.4/24

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.198 ± 0.256 χ^2/NDF : 737.5/29

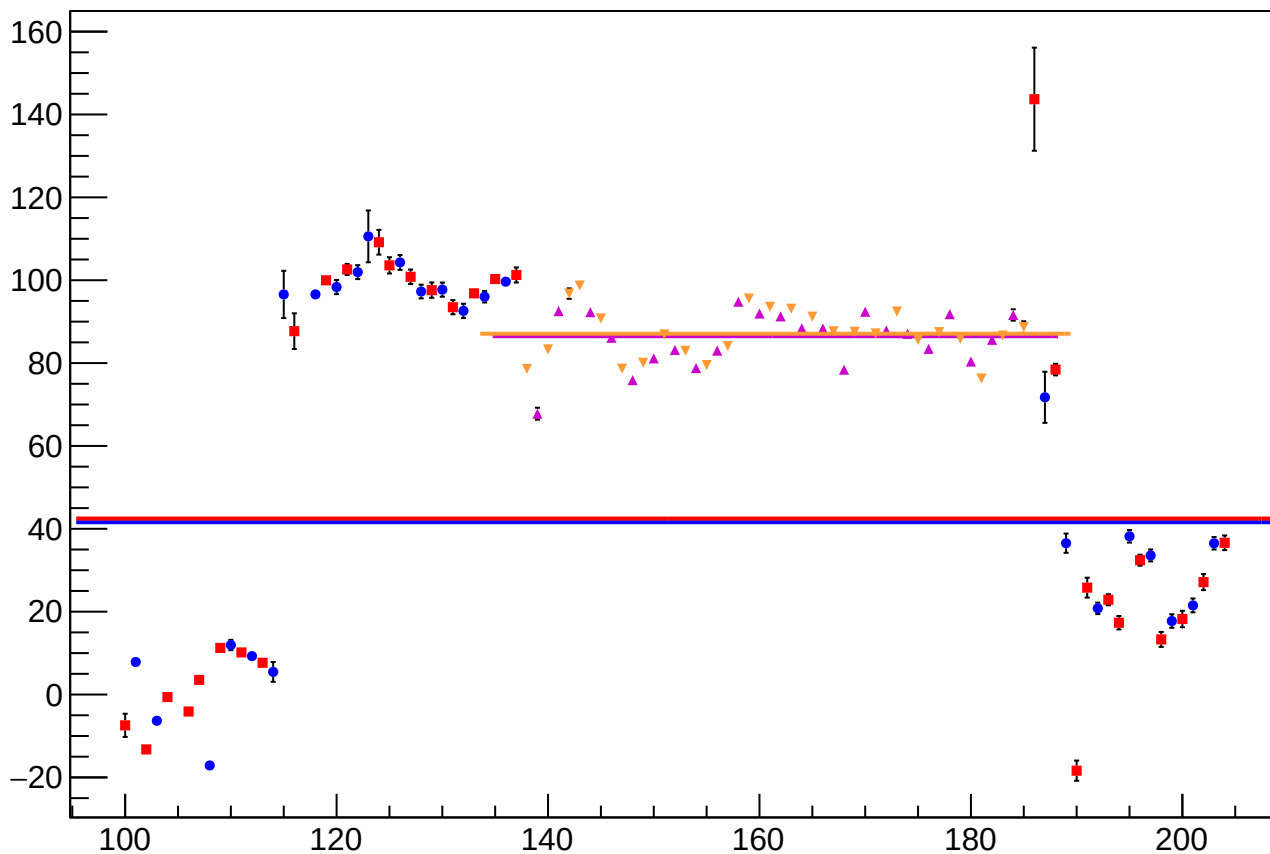
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.613 ± 0.168 χ^2/NDF : 3446.4/49

All: 11.146 ± 0.116 χ^2/NDF : 7028.3/102

- sign 10.724 ± 0.160 χ^2/NDF : 3567.2/52

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 41.592 ± 0.271 $\chi^2/\text{NDF}: 25470.5/24$

Left Out: 87.087 ± 0.179 $\chi^2/\text{NDF}: 1085.8/24$

Right Out: 42.476 ± 0.255 $\chi^2/\text{NDF}: 30756.8/29$

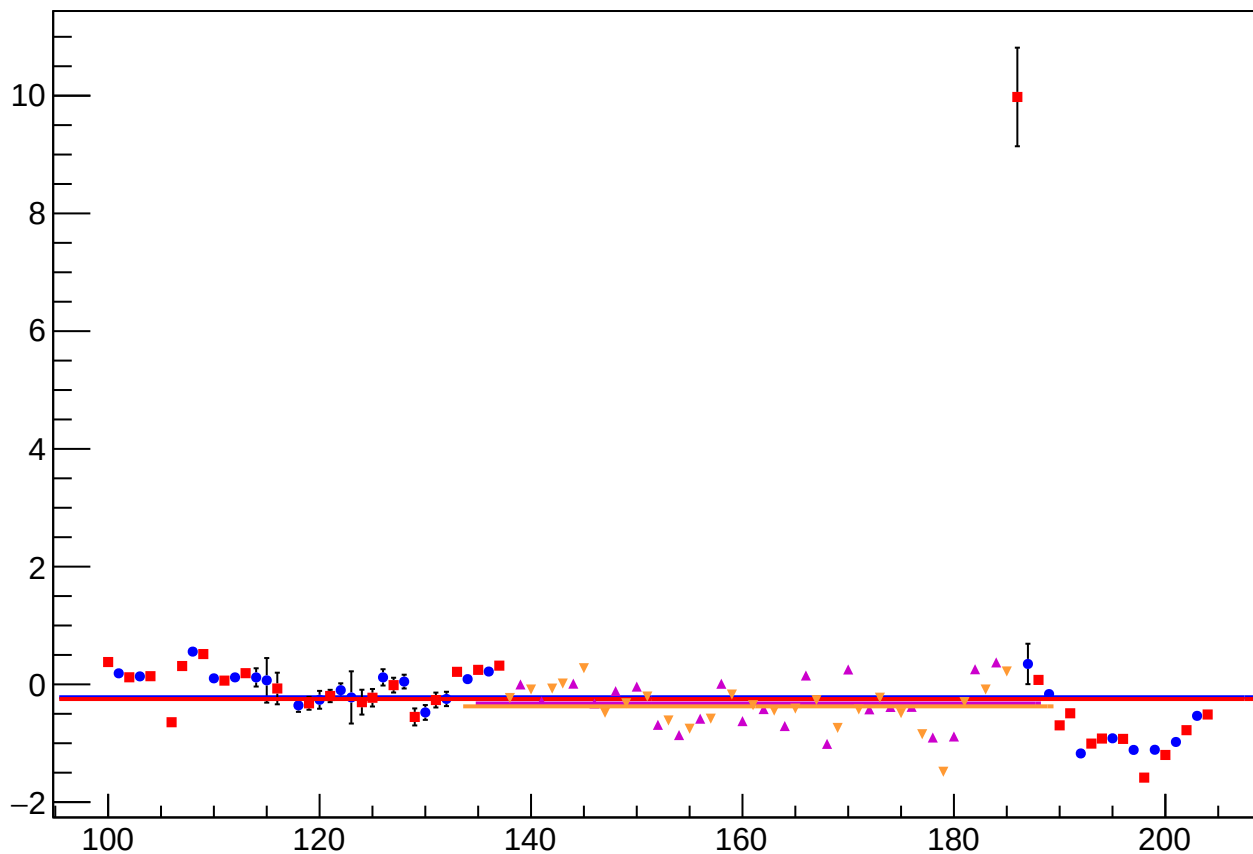
Left In: 86.482 ± 0.185 $\chi^2/\text{NDF}: 1003.2/22$

+ sign 73.291 ± 0.149 $\chi^2/\text{NDF}: 46126.9/49$

All: 72.301 ± 0.106 $\chi^2/\text{NDF}: 97562.6/102$

- sign 71.311 ± 0.149 $\chi^2/\text{NDF}: 51347.9/52$

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.219 ± 0.011 χ^2/NDF : 2876.8/24

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.249 ± 0.010 χ^2/NDF : 3328.1/29

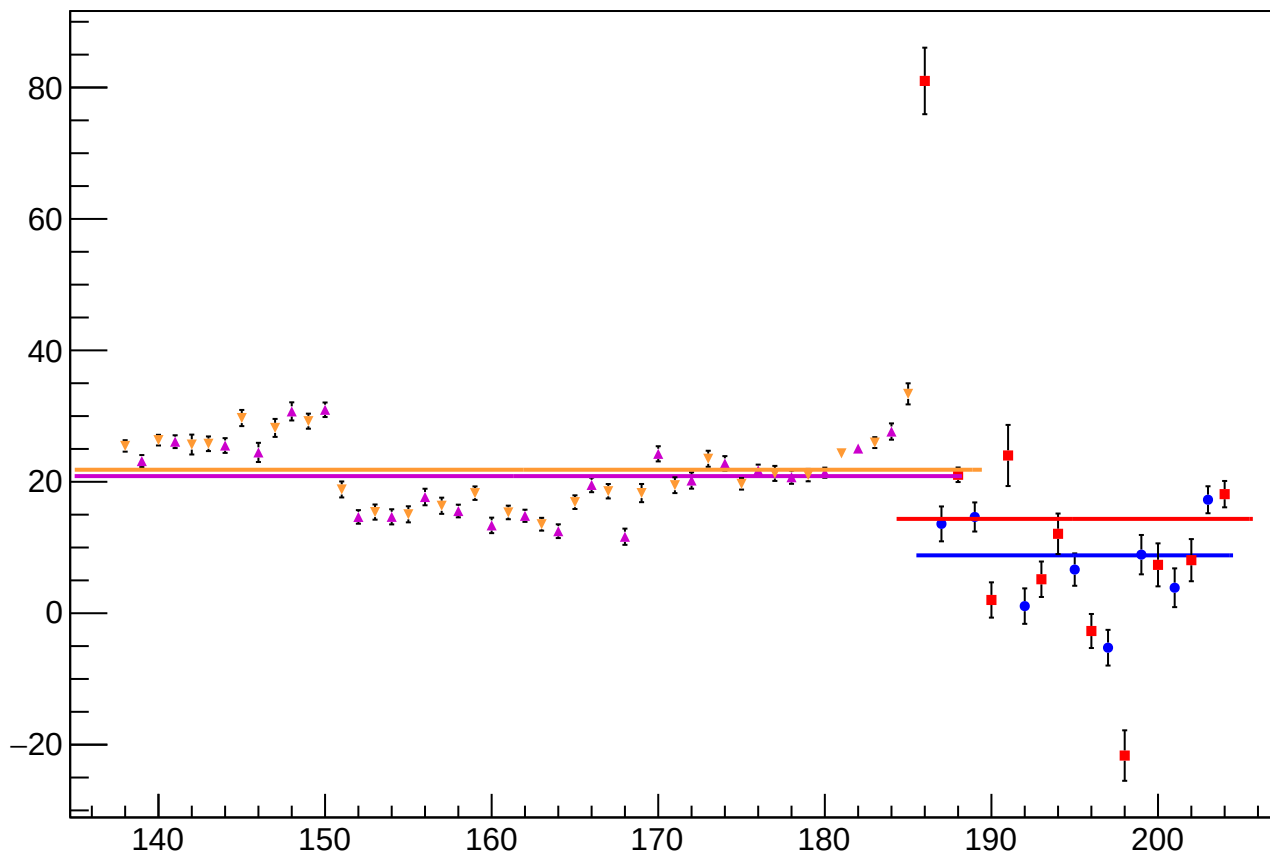
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.320 ± 0.007 χ^2/NDF : 4670.5/49

All: -0.308 ± 0.005 χ^2/NDF : 10322.7/102

- sign -0.296 ± 0.006 χ^2/NDF : 5645.3/52

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 8.808 ± 0.895 $\chi^2/\text{NDF}: 65.7/7$

Left Out: 21.836 ± 0.210 $\chi^2/\text{NDF}: 524.3/24$

Right Out: 14.357 ± 0.718 $\chi^2/\text{NDF}: 390.9/10$

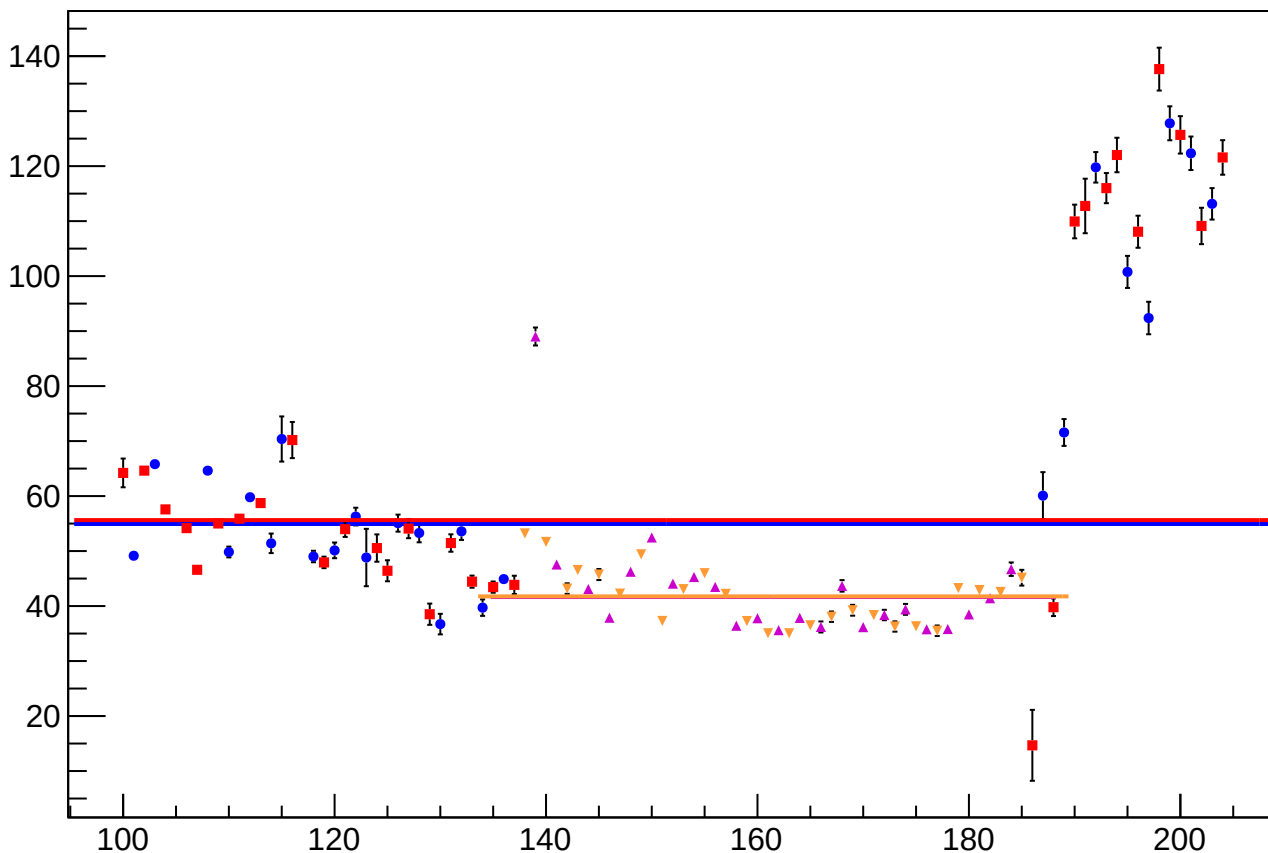
Left In: 20.866 ± 0.217 $\chi^2/\text{NDF}: 576.9/22$

+ sign 21.158 ± 0.204 $\chi^2/\text{NDF}: 790.7/32$

All: 20.747 ± 0.146 $\chi^2/\text{NDF}: 1842.0/66$

- sign 20.323 ± 0.207 $\chi^2/\text{NDF}: 1043.0/33$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 54.920 ± 0.207 χ^2/NDF : 3745.6/24

Left Out: 41.757 ± 0.165 χ^2/NDF : 1015.7/24

Right Out: 55.630 ± 0.220 χ^2/NDF : 4391.7/29

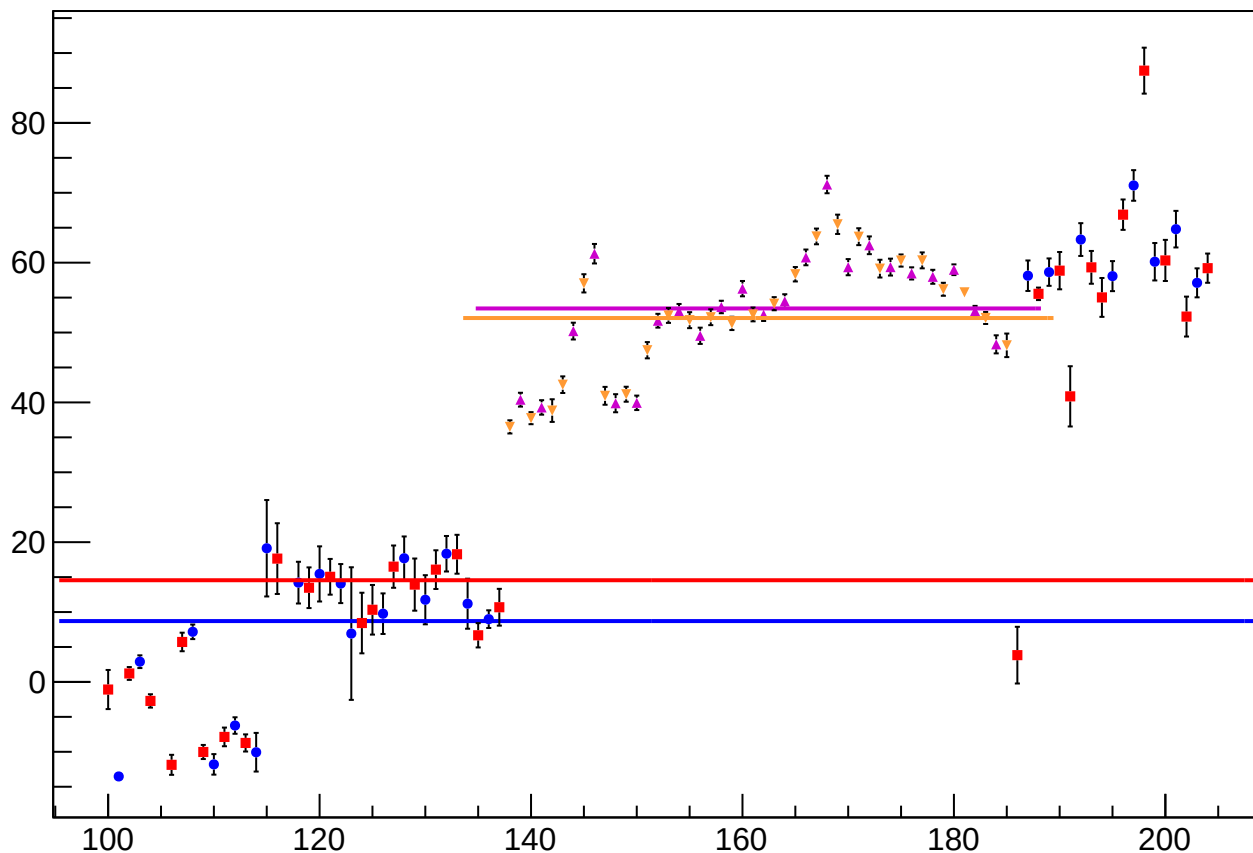
Left In: 41.643 ± 0.174 χ^2/NDF : 1611.0/22

+ sign 46.889 ± 0.129 χ^2/NDF : 7231.6/49

All: 46.952 ± 0.094 χ^2/NDF : 15726.2/102

- sign 47.022 ± 0.136 χ^2/NDF : 8494.0/52

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 8.708 ± 0.331 $\chi^2/\text{NDF}: 6174.6/24$

Left Out: 52.076 ± 0.210 $\chi^2/\text{NDF}: 1450.9/24$

Right Out: 14.553 ± 0.322 $\chi^2/\text{NDF}: 7163.5/29$

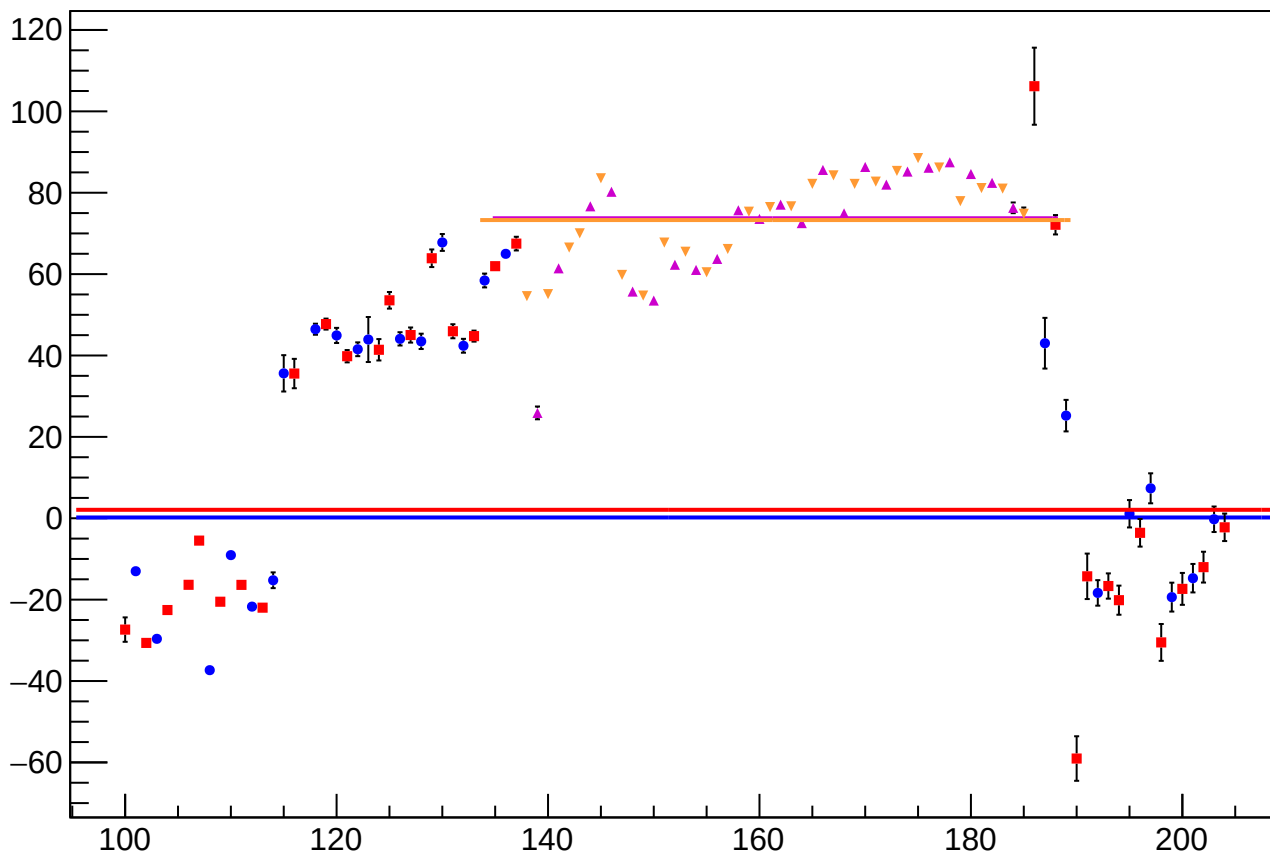
Left In: 53.447 ± 0.215 $\chi^2/\text{NDF}: 1169.0/22$

+ sign 39.641 ± 0.177 $\chi^2/\text{NDF}: 19854.0/49$

All: 40.536 ± 0.126 $\chi^2/\text{NDF}: 38300.0/102$

- sign 41.449 ± 0.179 $\chi^2/\text{NDF}: 18394.5/52$

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.194+/-0.243 χ^2/NDF : 18396.6/24

Left Out: 73.284+/-0.187 χ^2/NDF : 3144.2/24

Right Out: 2.079+/-0.260 χ^2/NDF : 16701.6/29

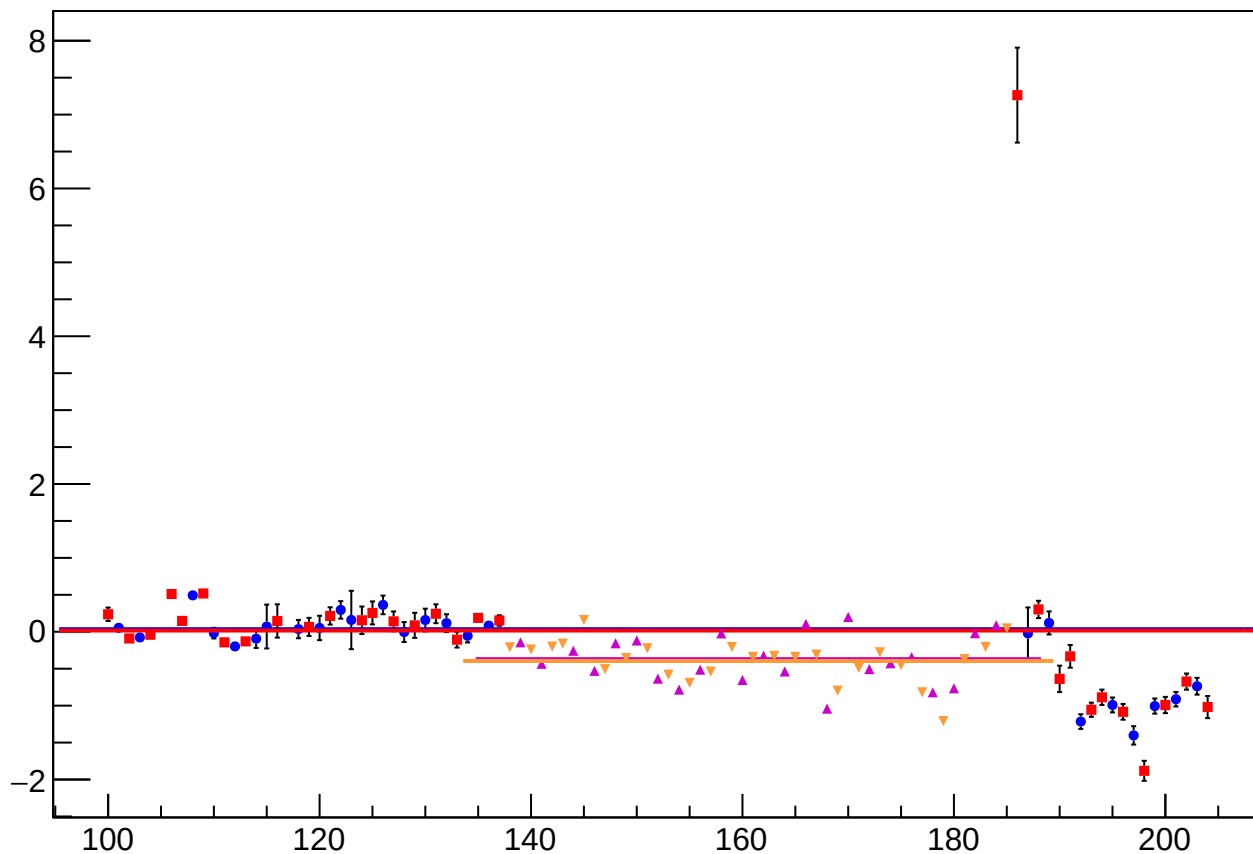
Left In: 73.730+/-0.194 χ^2/NDF : 3775.8/22

+ sign 46.137+/-0.148 χ^2/NDF : 78374.5/49

All: 47.019+/-0.107 χ^2/NDF : 147756.9/102

- sign 47.992+/-0.156 χ^2/NDF : 69307.8/52

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.035 ± 0.011 $\chi^2/\text{NDF}: 1078.4/24$

Left Out: -0.396 ± 0.009 $\chi^2/\text{NDF}: 950.0/24$

Right Out: 0.017 ± 0.011 $\chi^2/\text{NDF}: 1259.2/29$

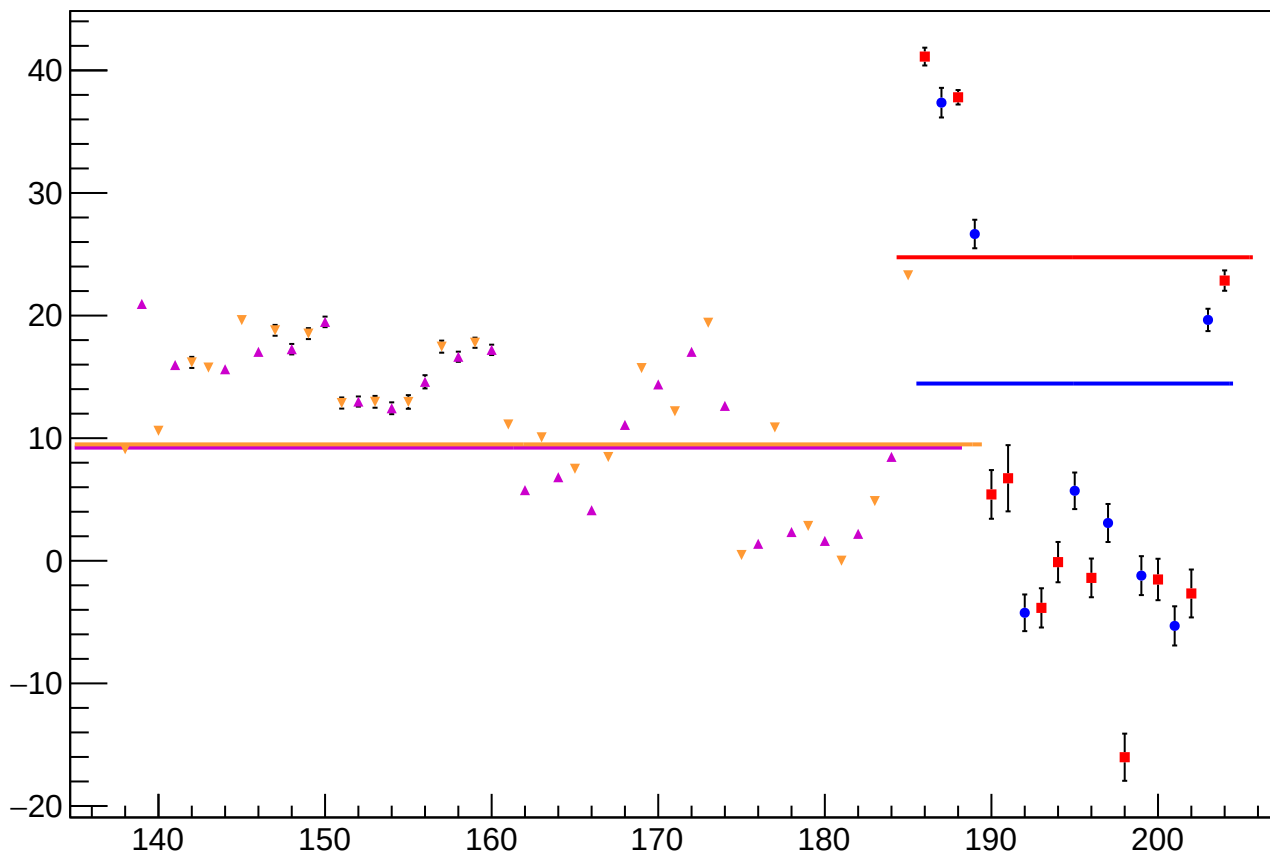
Left In: -0.371 ± 0.009 $\chi^2/\text{NDF}: 1313.7/22$

+ sign -0.227 ± 0.007 $\chi^2/\text{NDF}: 3020.1/49$

All: -0.221 ± 0.005 $\chi^2/\text{NDF}: 6395.2/102$

- sign -0.214 ± 0.007 $\chi^2/\text{NDF}: 3373.1/52$

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 14.457 ± 0.460 χ^2/NDF : 996.8/7

Left Out: 9.495 ± 0.061 χ^2/NDF : 12609.1/24

Right Out: 24.755 ± 0.340 χ^2/NDF : 2849.9/10

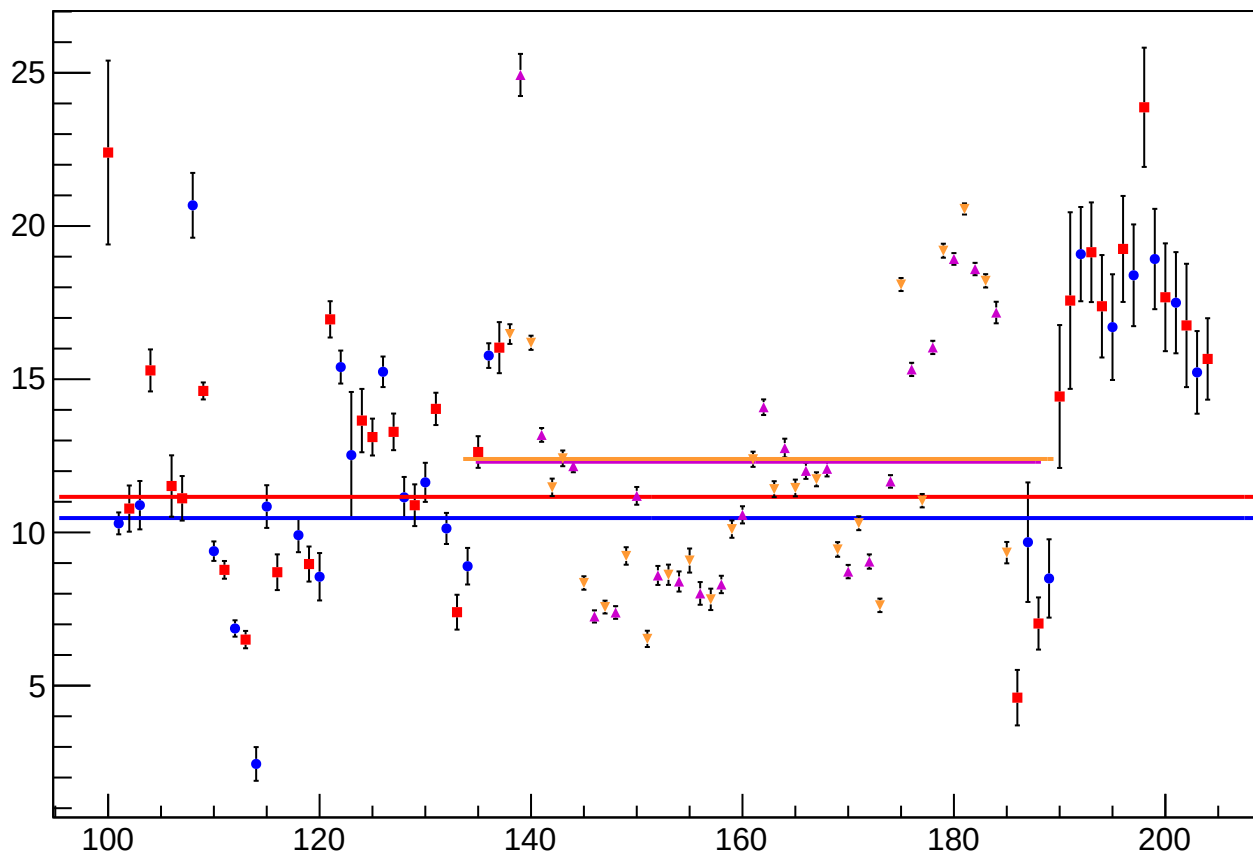
Left In: 9.231 ± 0.063 χ^2/NDF : 10736.2/22

+ sign 9.581 ± 0.061 χ^2/NDF : 13720.4/32

All: 9.662 ± 0.043 χ^2/NDF : 29322.9/66

- sign 9.746 ± 0.062 χ^2/NDF : 15598.9/33

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.469 $\pm$ 0.117 χ^2 /NDF: 996.5/24

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 11.161 $\pm$ 0.112 χ^2 /NDF: 1035.3/29

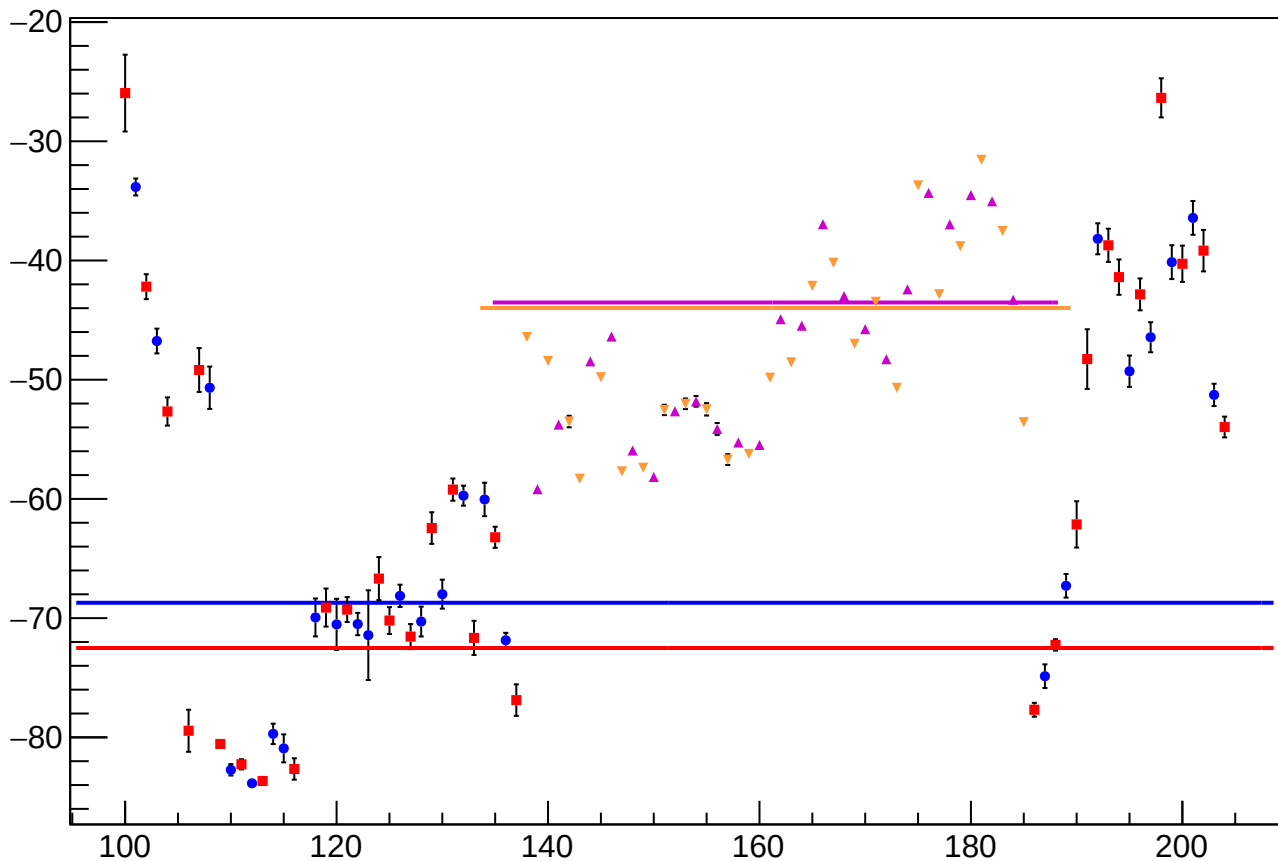
Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

+ sign 12.102 $\pm$ 0.046 χ^2 /NDF: 8769.6/49

All: 12.106 $\pm$ 0.033 χ^2 /NDF: 15492.8/102

- sign 12.110 $\pm$ 0.047 χ^2 /NDF: 6723.1/52

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -68.710 ± 0.179 χ^2/NDF : 8264.6/24

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -72.506 ± 0.154 χ^2/NDF : 7618.5/29

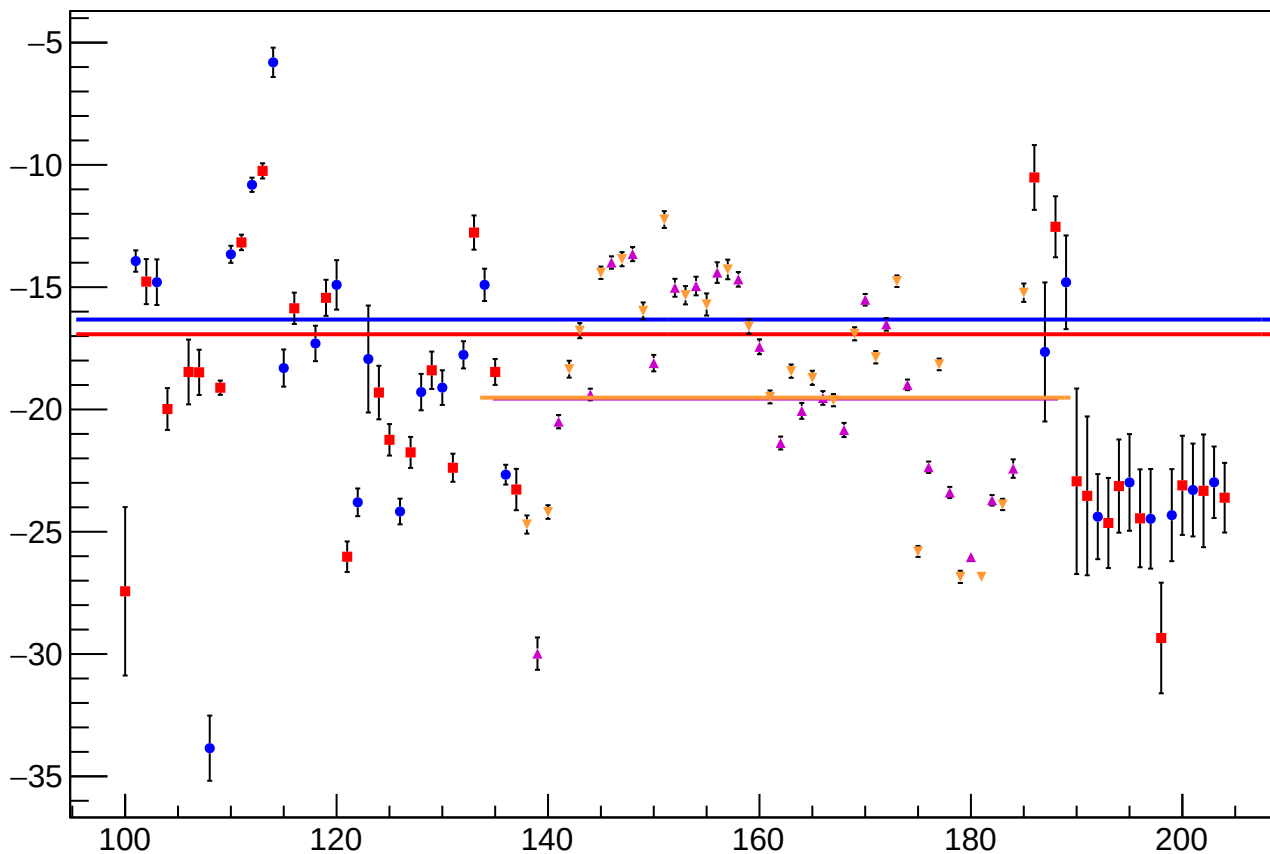
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -46.637 ± 0.059 χ^2/NDF : 43120.2/49

All: -47.177 ± 0.041 χ^2/NDF : 96487.2/102

- sign -47.717 ± 0.059 χ^2/NDF : 53197.0/52

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.323 ± 0.130 χ^2/NDF : 1725.8/24

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.925 ± 0.125 χ^2/NDF : 1366.4/29

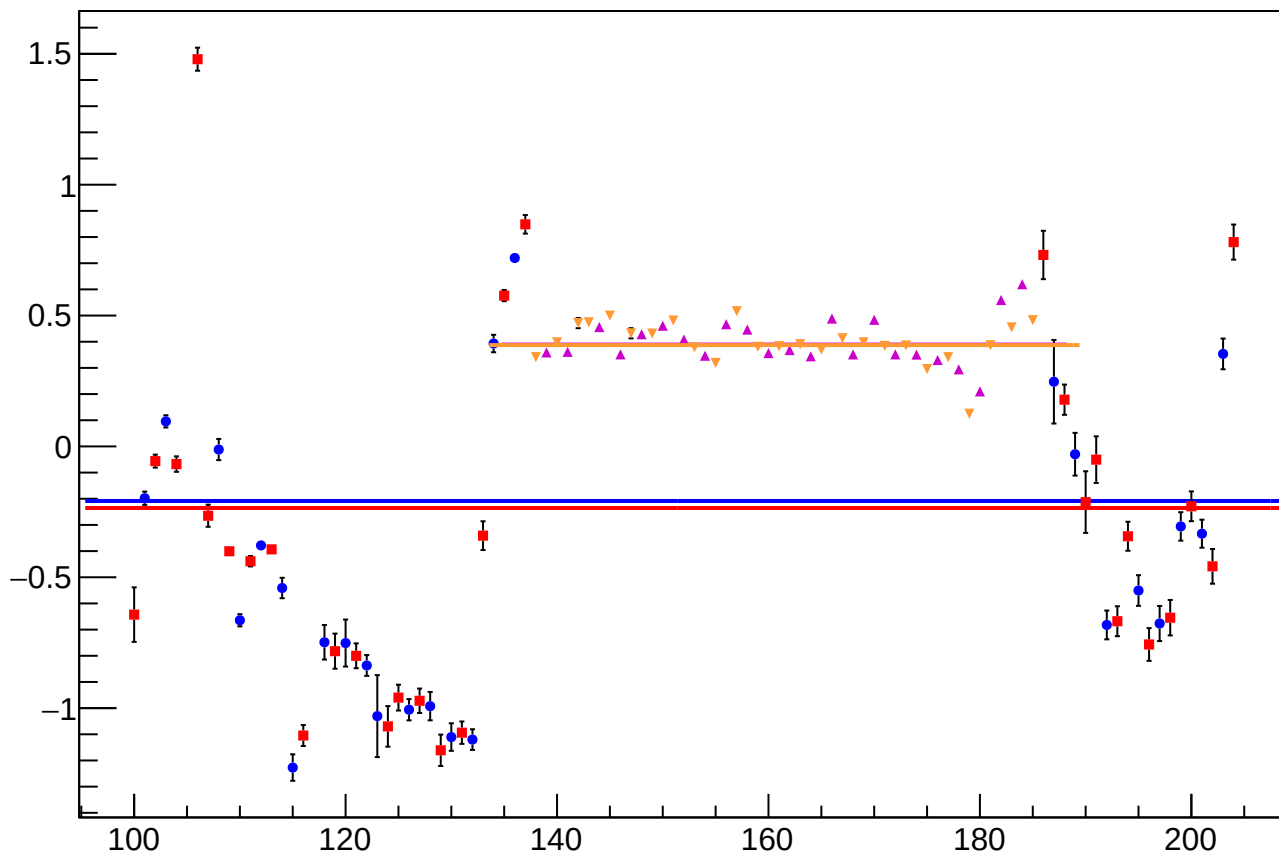
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.023 ± 0.051 χ^2/NDF : 8752.1/49

All: -19.059 ± 0.037 χ^2/NDF : 14796.5/102

- sign -19.098 ± 0.052 χ^2/NDF : 6043.3/52

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.209 ± 0.007 χ^2/NDF : 6589.6/24

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.235 ± 0.007 χ^2/NDF : 6751.4/29

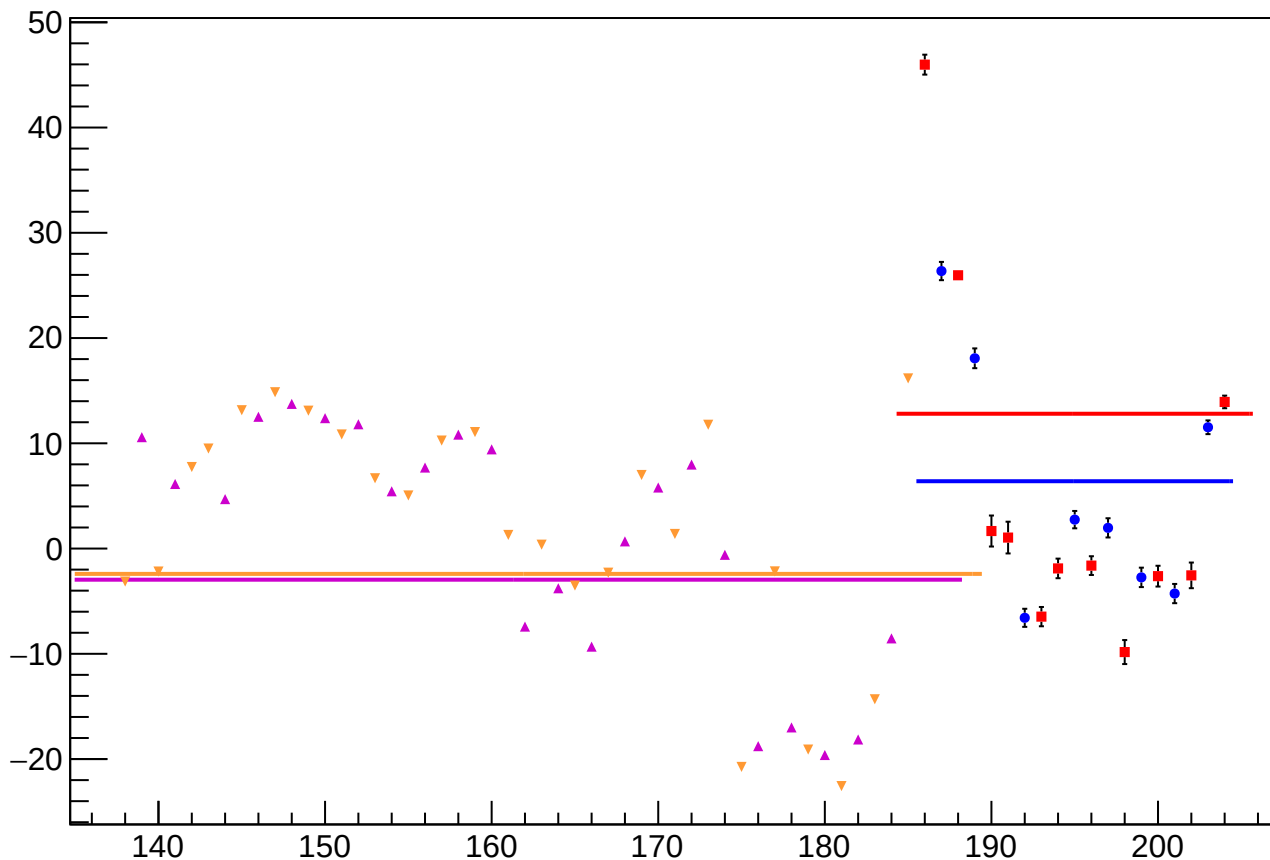
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.320 ± 0.002 χ^2/NDF : 13725.0/49

All: 0.314 ± 0.002 χ^2/NDF : 29154.6/102

- sign 0.308 ± 0.002 χ^2/NDF : 15417.6/52

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 6.397 ± 0.299 $\chi^2/\text{NDF}: 1250.9/7$

Left Out: -2.407 ± 0.053 $\chi^2/\text{NDF}: 56368.5/24$

Right Out: 12.808 ± 0.247 $\chi^2/\text{NDF}: 4044.6/10$

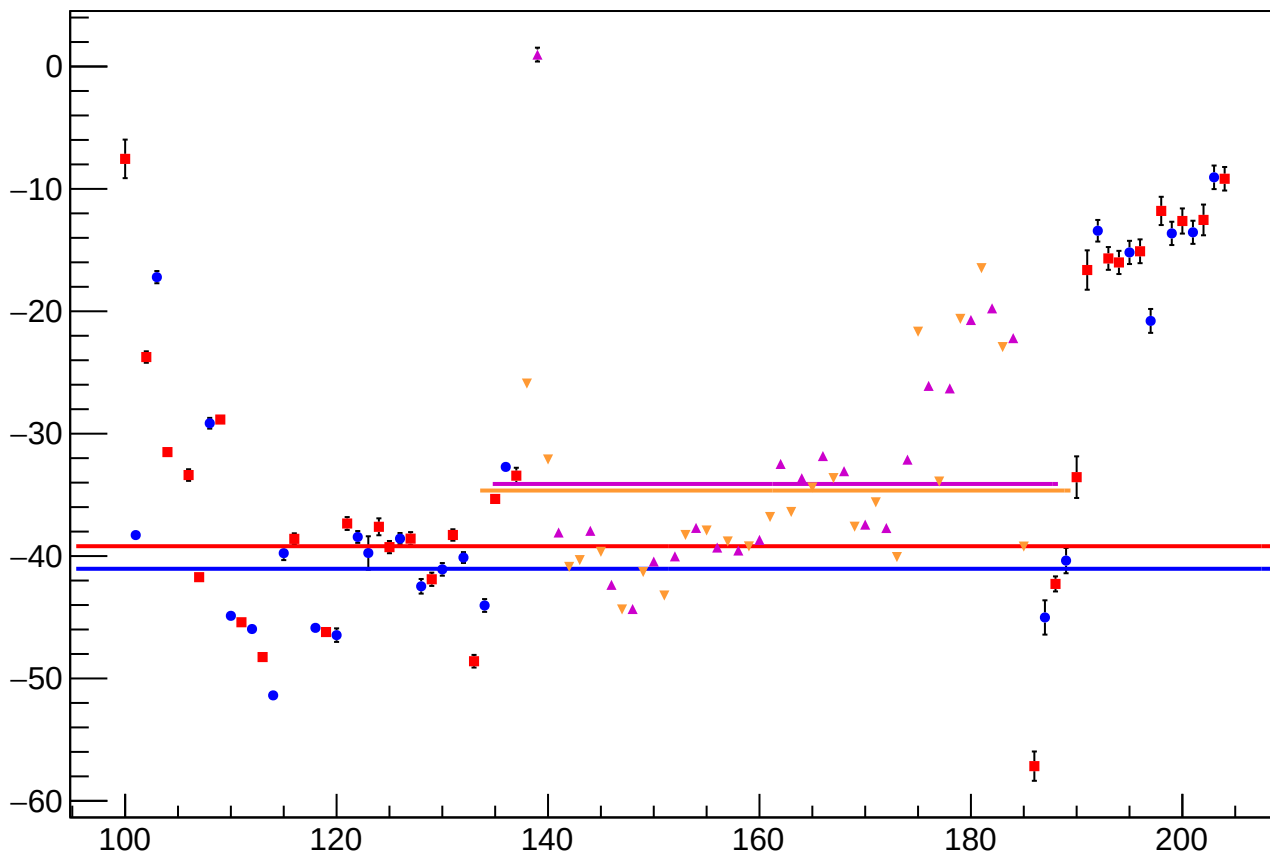
Left In: -2.959 ± 0.055 $\chi^2/\text{NDF}: 45922.6/22$

+ sign -2.141 ± 0.052 $\chi^2/\text{NDF}: 58461.4/32$

All: -2.179 ± 0.037 $\chi^2/\text{NDF}: 112300.4/66$

- sign -2.221 ± 0.054 $\chi^2/\text{NDF}: 53837.9/33$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -41.039 ± 0.076 $\chi^2/\text{NDF}: 11689.3/24$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -39.195 ± 0.071 $\chi^2/\text{NDF}: 16427.4/29$

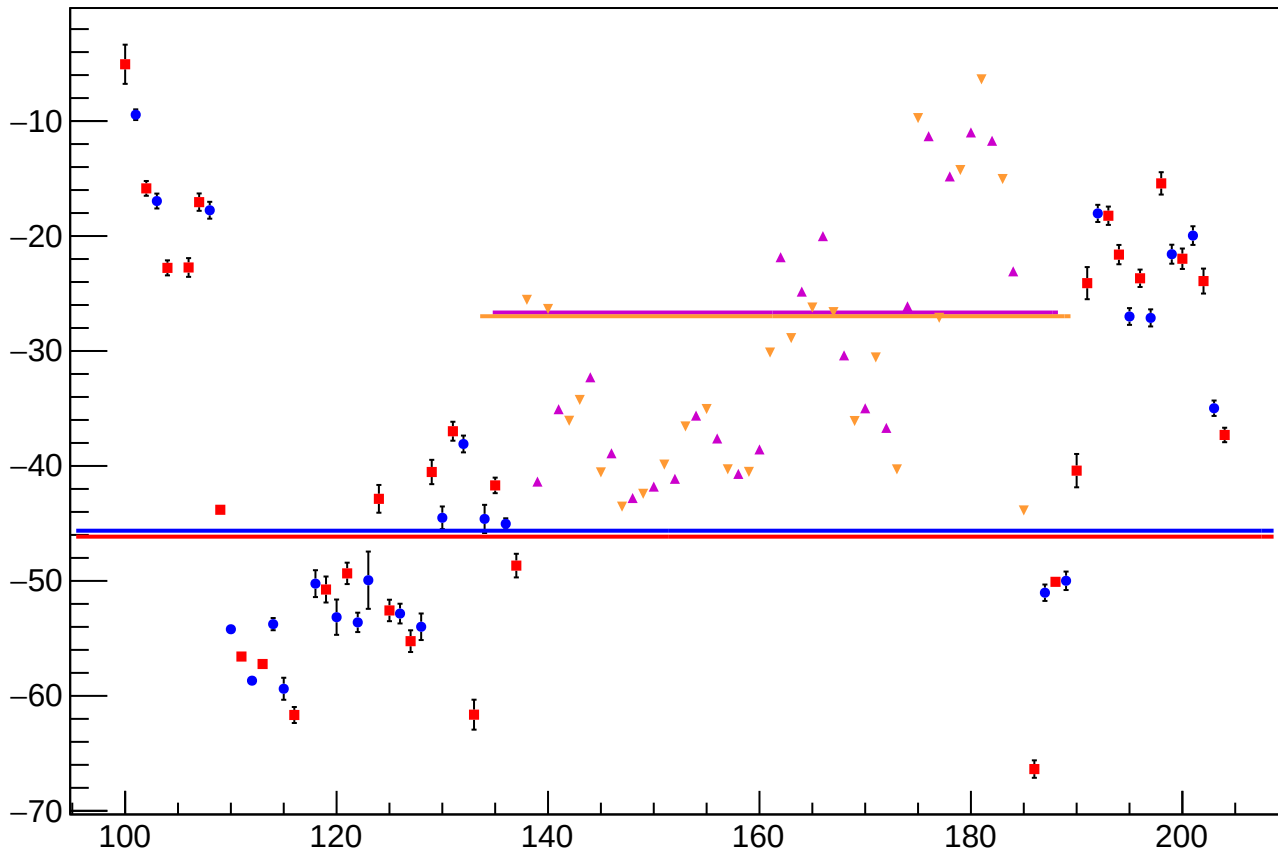
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.121 ± 0.037 $\chi^2/\text{NDF}: 51766.9/49$

All: -35.828 ± 0.026 $\chi^2/\text{NDF}: 101102.1/102$

- sign -35.523 ± 0.037 $\chi^2/\text{NDF}: 49204.8/52$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -45.633 ± 0.113 χ^2/NDF : 20103.2/24

Left Out: -26.978 ± 0.053 χ^2/NDF : 49361.1/24

Right Out: -46.151 ± 0.096 χ^2/NDF : 18479.4/29

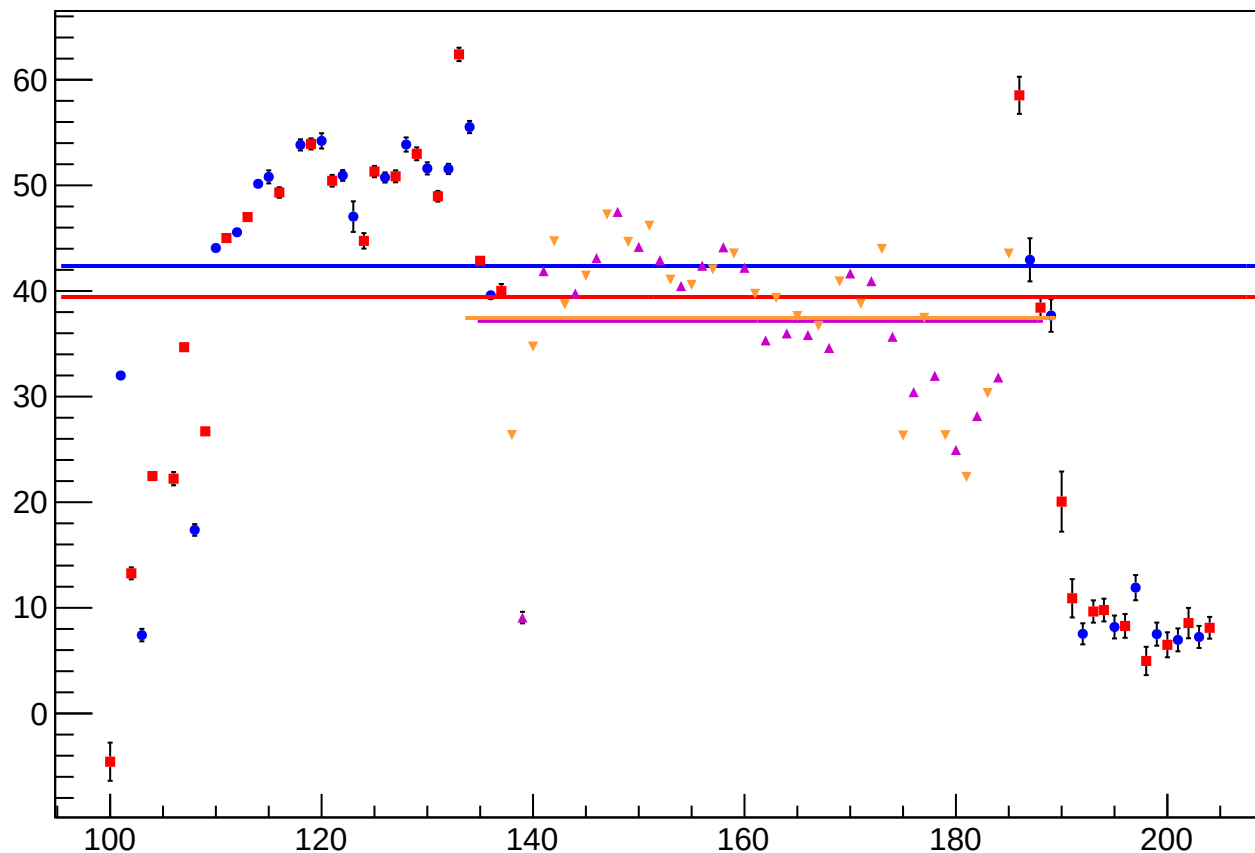
Left In: -26.654 ± 0.055 χ^2/NDF : 42106.8/22

+ sign -30.364 ± 0.048 χ^2/NDF : 91794.3/49

All: -30.917 ± 0.034 χ^2/NDF : 183694.0/102

- sign -31.460 ± 0.048 χ^2/NDF : 91637.9/52

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.365 $\pm$ 0.085 χ^2 /NDF: 16880.6/24

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 39.430 $\pm$ 0.078 χ^2 /NDF: 23311.9/29

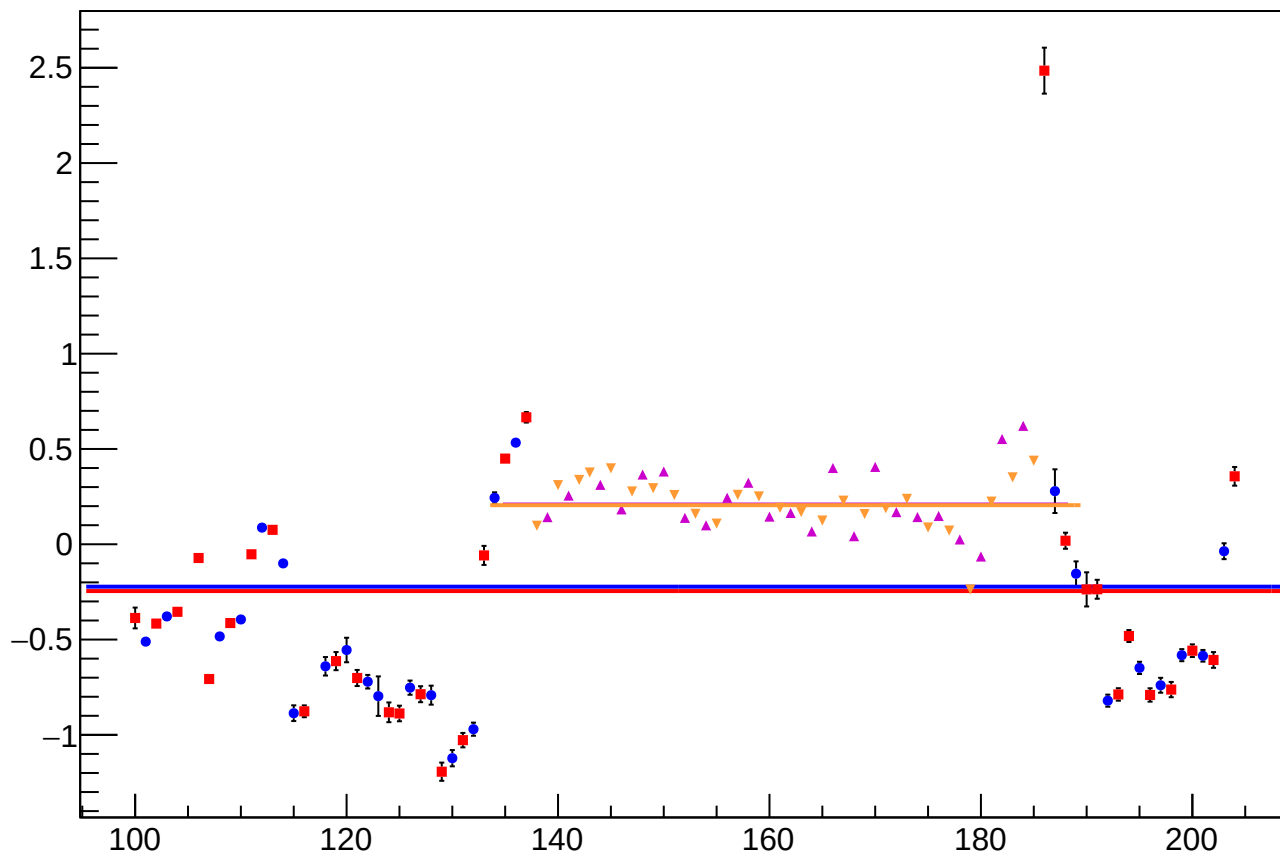
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.601 $\pm$ 0.041 χ^2 /NDF: 41002.8/49

All: 38.209 $\pm$ 0.029 χ^2 /NDF: 82329.8/102

- sign 37.809 $\pm$ 0.042 χ^2 /NDF: 41144.9/52

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.223 ± 0.005 χ^2/NDF : 8460.8/24

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.246 ± 0.004 χ^2/NDF : 9060.3/29

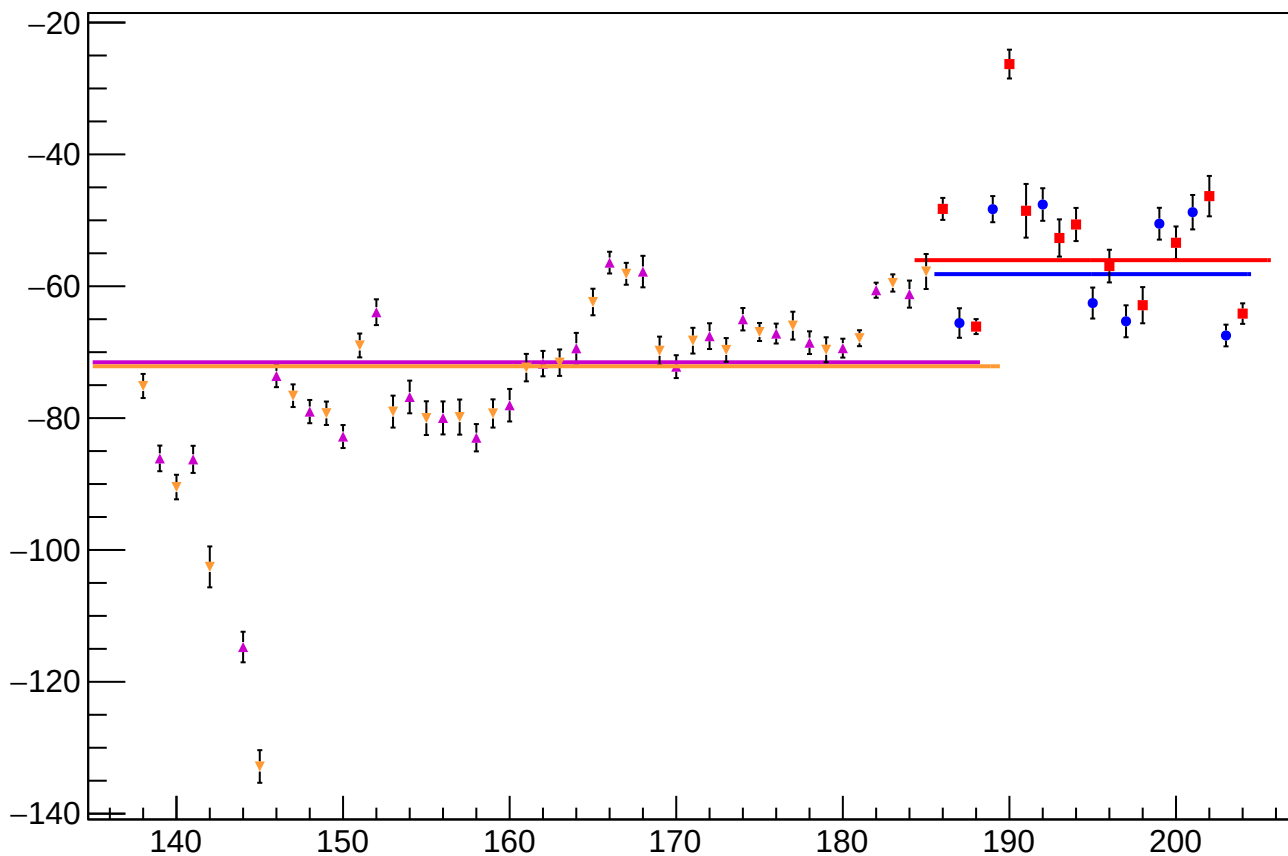
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.126 ± 0.002 χ^2/NDF : 19458.6/49

All: 0.114 ± 0.001 χ^2/NDF : 43230.0/102

- sign 0.102 ± 0.002 χ^2/NDF : 23700.7/52

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -58.162 ± 0.777 χ^2/NDF : 121.1/7

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -56.043 ± 0.612 χ^2/NDF : 339.8/10

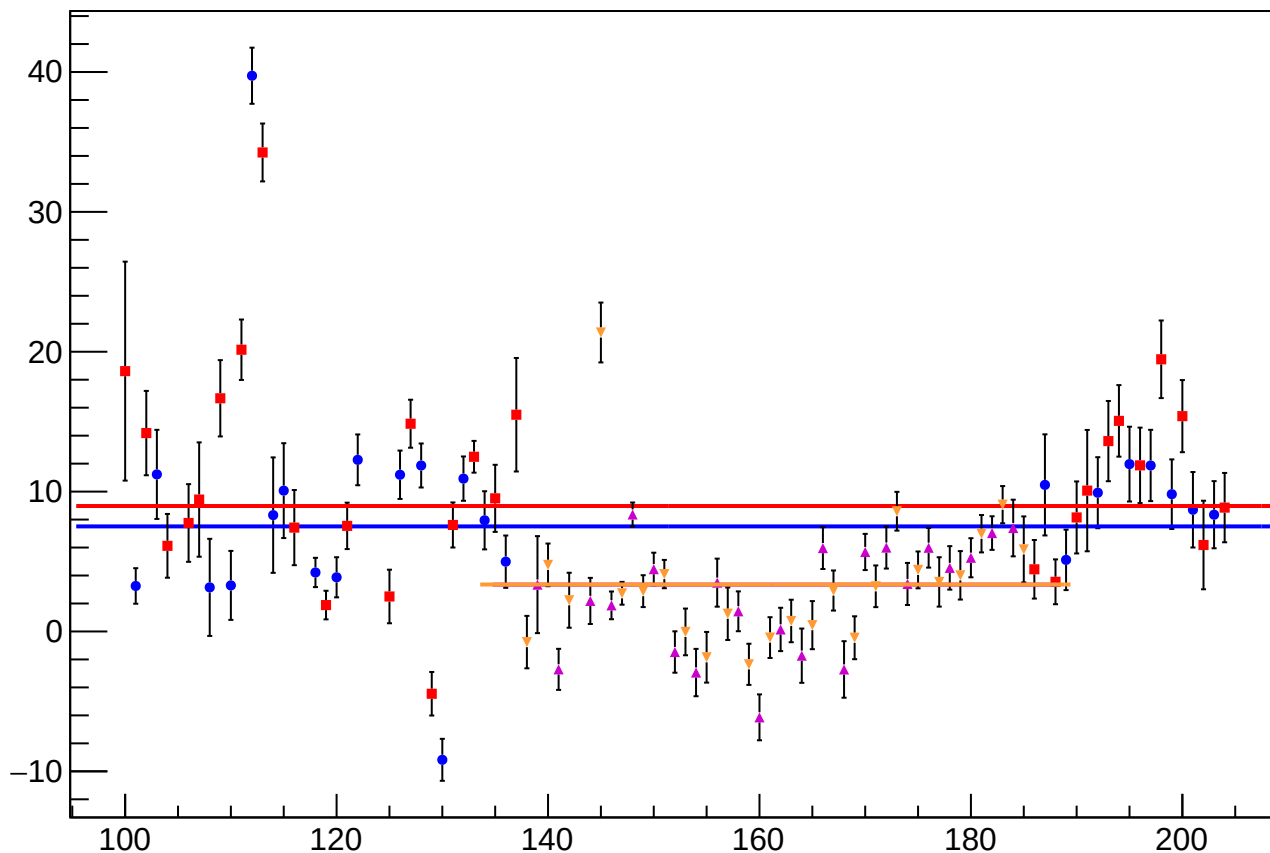
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -69.408 ± 0.343 χ^2/NDF : 1502.7/31

All: -68.238 ± 0.236 χ^2/NDF : 3177.0/65

- sign -67.198 ± 0.324 χ^2/NDF : 1652.3/33

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.512 ± 0.396 χ^2/NDF : 450.9/23

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 8.969 ± 0.385 χ^2/NDF : 396.8/28

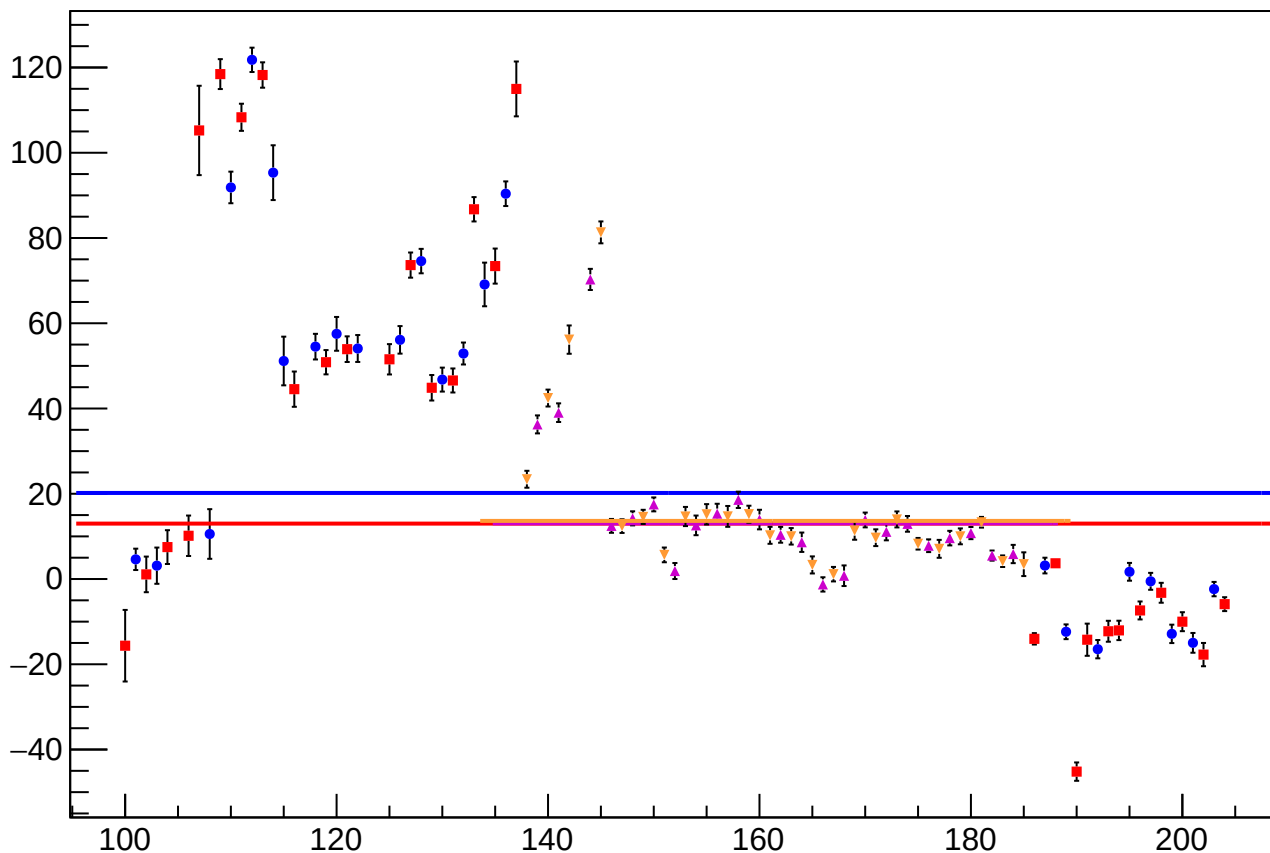
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.838 ± 0.236 χ^2/NDF : 689.4/47

All: 5.148 ± 0.167 χ^2/NDF : 1386.3/99

- sign 5.456 ± 0.236 χ^2/NDF : 693.5/51

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 20.191 $\pm$ 0.534 χ^2 /NDF: 5176.6/23

Left Out: 13.632 $\pm$ 0.382 χ^2 /NDF:1300.0/23

Right Out: 12.999 $\pm$ 0.451 χ^2 /NDF: 7530.4/28

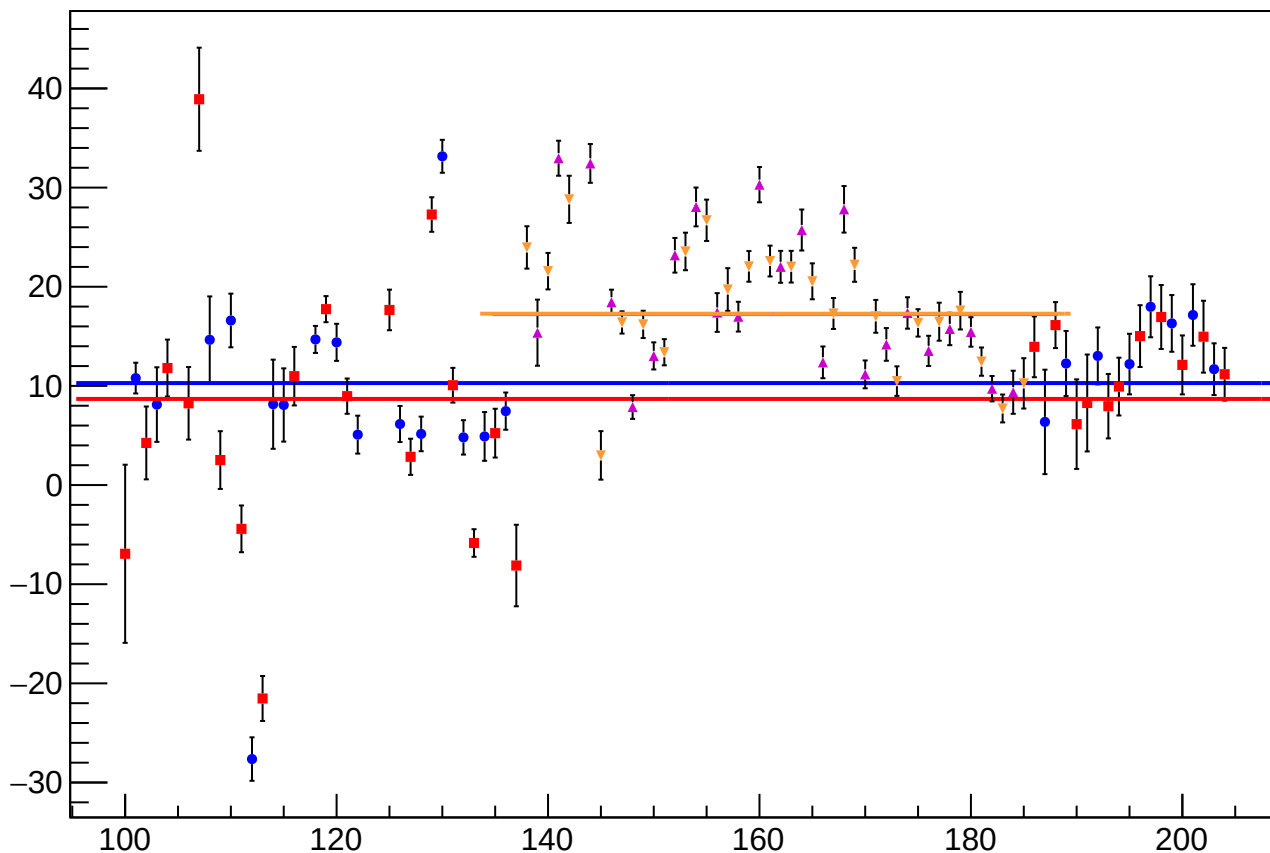
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 15.850 $\pm$ 0.311 χ^2 /NDF: 6576.4/47

All: 14.347 $\pm$ 0.212 χ^2 /NDF: 15175.4/99

- sign 13.033 $\pm$ 0.290 χ^2 /NDF: 8555.1/51

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.285 ± 0.460 χ^2/NDF : 567.7/23

Left Out: 17.280 ± 0.337 χ^2/NDF : 243.9/23

Right Out: 8.686 ± 0.453 χ^2/NDF : 602.1/28

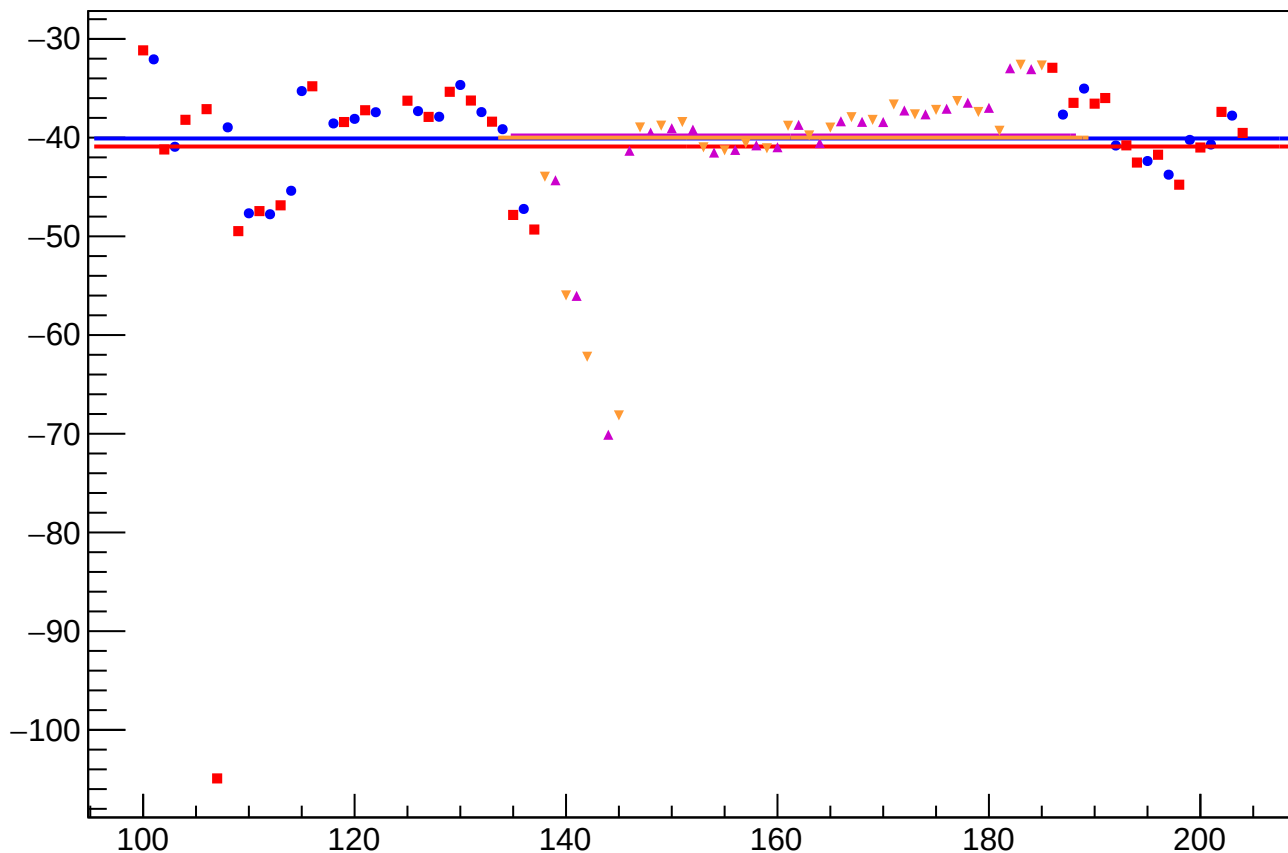
Left In: 17.245 ± 0.339 χ^2/NDF : 440.8/22

+ sign 14.839 ± 0.272 χ^2/NDF : 961.8/47

All: 14.501 ± 0.192 χ^2/NDF : 2236.6/99

- sign 14.164 ± 0.272 χ^2/NDF : 1271.8/51

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.085 ± 0.023 χ^2/NDF : 30374.6/23

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -40.899 ± 0.022 χ^2/NDF : 103796.6/28

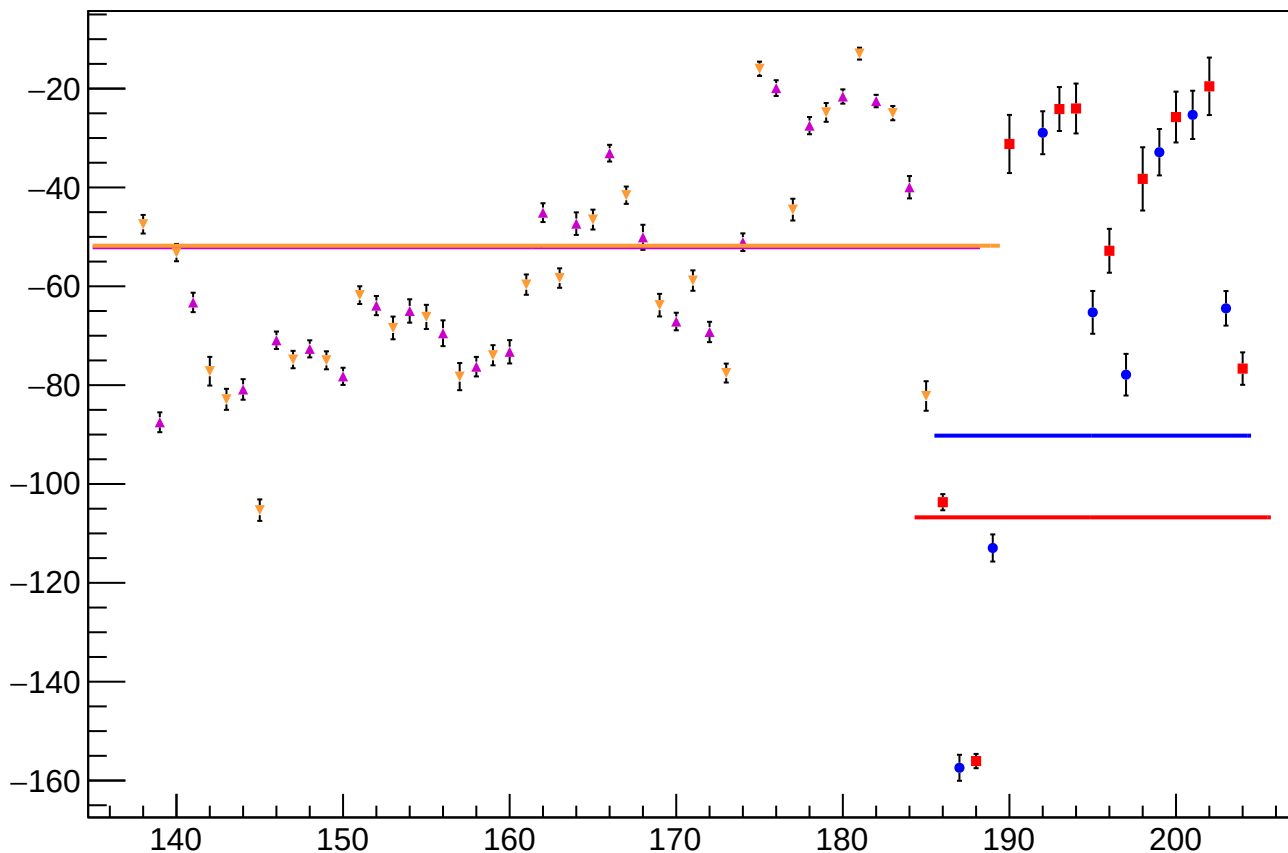
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -40.026 ± 0.013 χ^2/NDF : 202647.6/47

All: -40.090 ± 0.009 χ^2/NDF : 452651.9/99

- sign -40.151 ± 0.013 χ^2/NDF : 249957.9/51

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -90.219 ± 1.282 χ^2/NDF : 1341.6/7

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -106.749 ± 0.910 χ^2/NDF : 2764.4/9

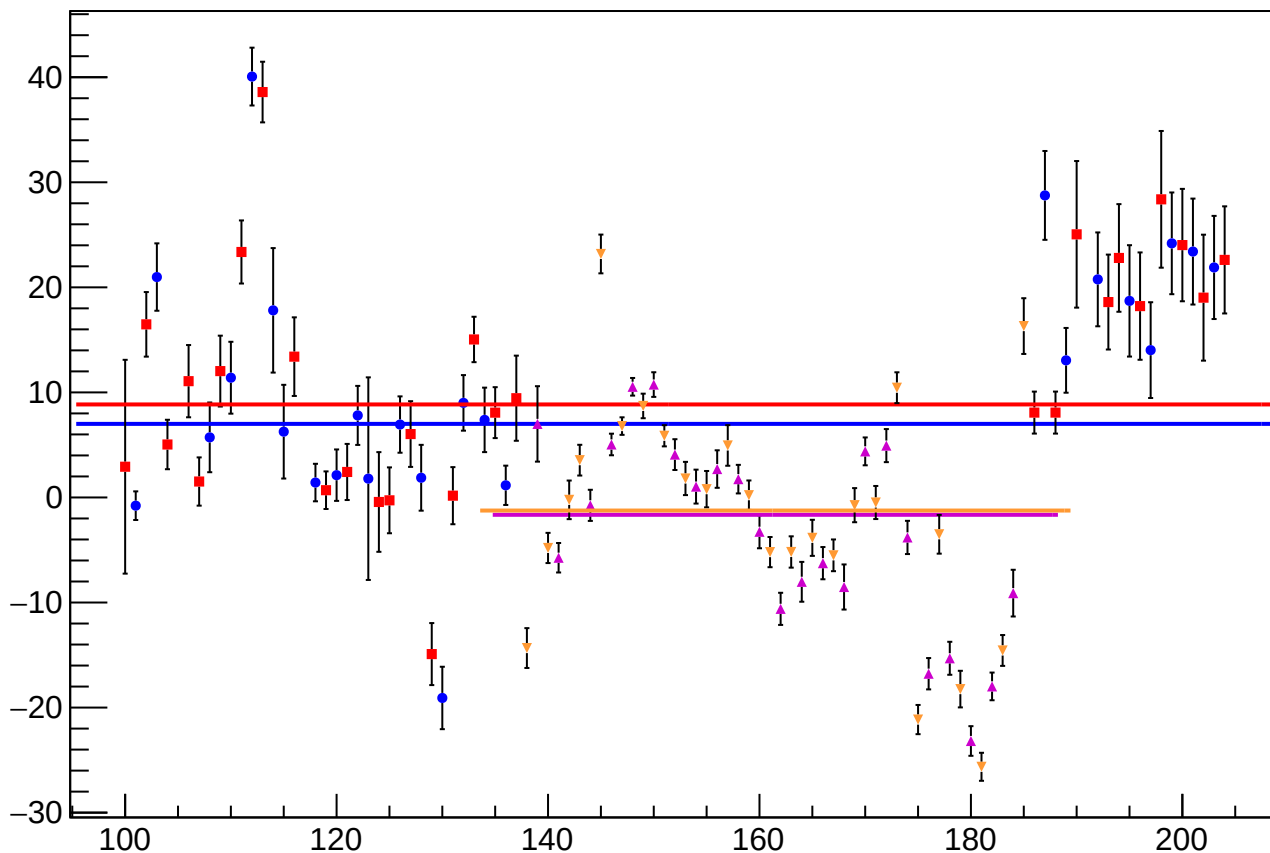
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -54.931 ± 0.367 χ^2/NDF : 6331.8/32

All: -57.805 ± 0.256 χ^2/NDF : 15546.9/65

- sign -60.537 ± 0.357 χ^2/NDF : 9095.2/32

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 7.004 ± 0.582 $\chi^2/\text{NDF}: 384.8/24$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 8.854 ± 0.565 $\chi^2/\text{NDF}: 323.0/28$

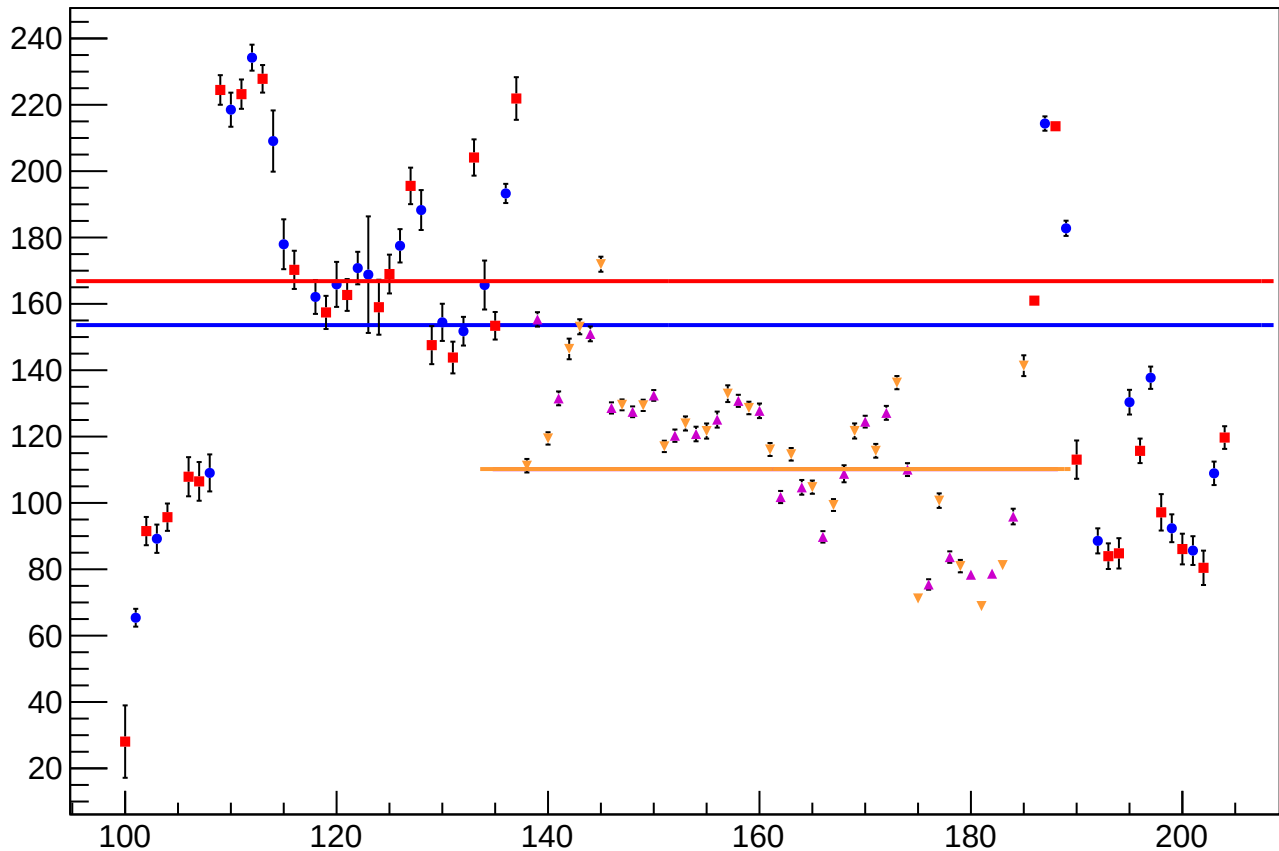
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.410 ± 0.261 $\chi^2/\text{NDF}: 1867.9/49$

All: 0.532 ± 0.186 $\chi^2/\text{NDF}: 3552.8/101$

- sign 0.659 ± 0.265 $\chi^2/\text{NDF}: 1684.5/51$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.601 $\pm$ 0.796 χ^2 /NDF: 4194.3/24

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 166.848 $\pm$ 0.636 χ^2 /NDF: 5355.4/28

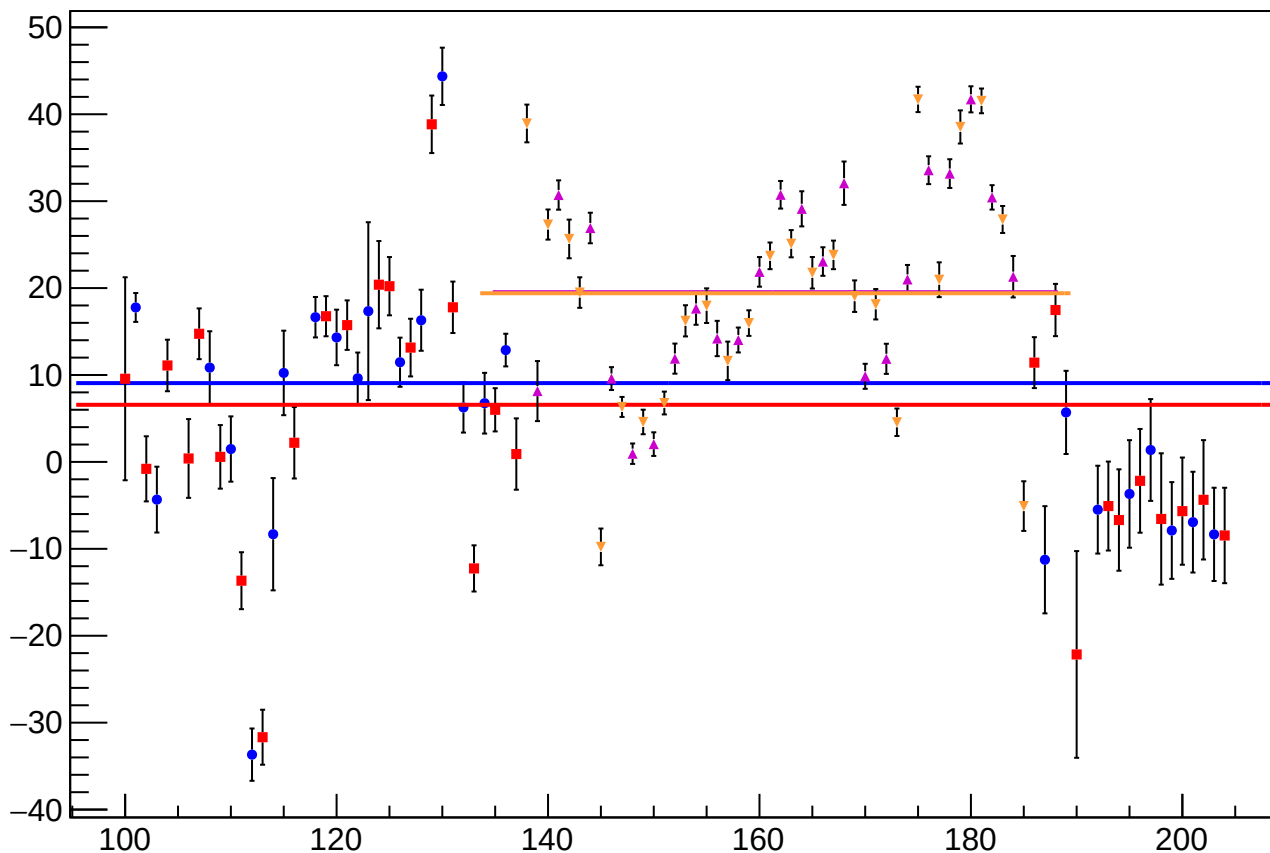
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 118.337 $\pm$ 0.344 χ^2 /NDF: 11203.1/49

All: 122.030 $\pm$ 0.238 χ^2 /NDF: 26283.1/101

- sign 125.421 $\pm$ 0.330 χ^2 /NDF: 14859.5/51

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 9.067 $\pm$ 0.676 χ^2/NDF : 445.5/24

Left Out: 19.405 $\pm$ 0.335 χ^2/NDF :1453.4/24

Right Out: 6.572 $\pm$ 0.672 χ^2/NDF : 474.9/28

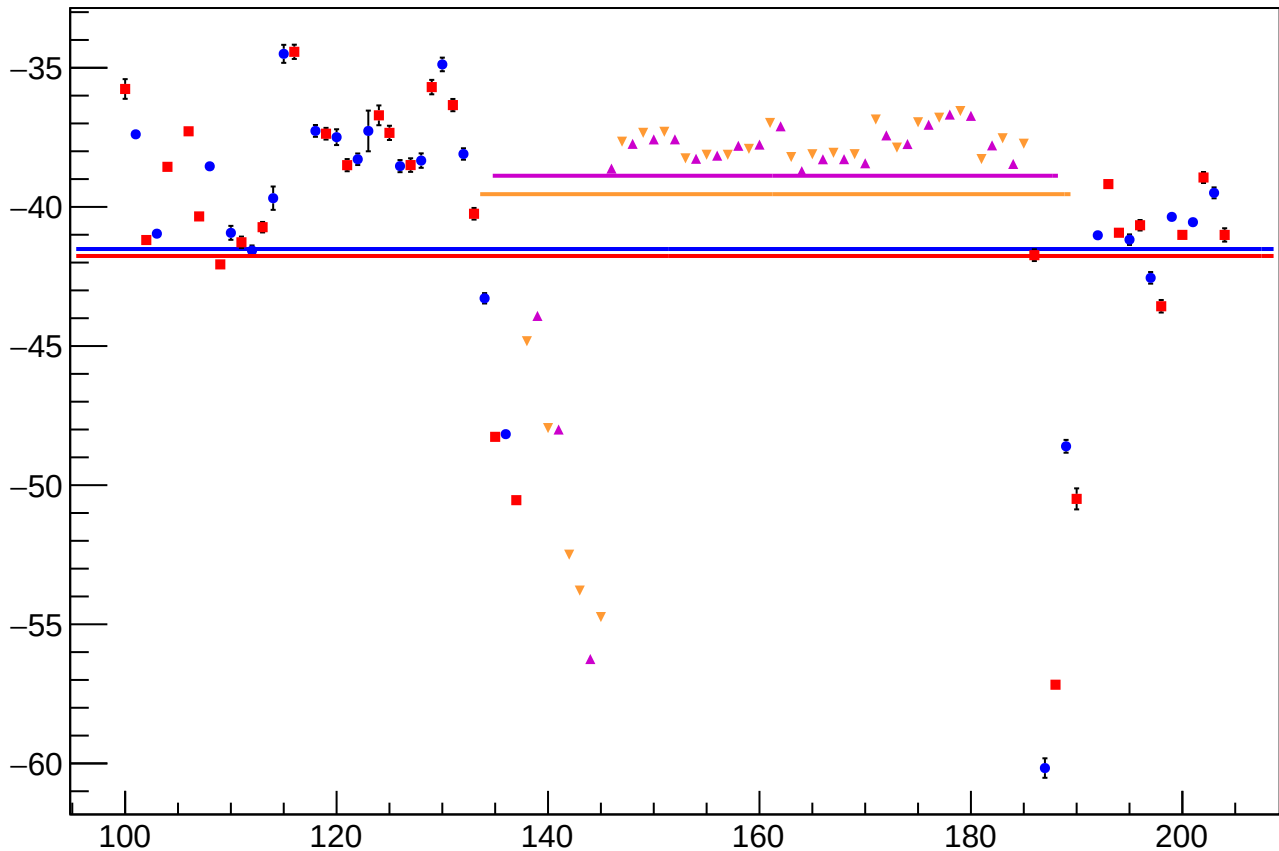
Left In: 19.530 $\pm$ 0.342 χ^2/NDF :1181.3/22

+ sign 17.371 $\pm$ 0.300 χ^2/NDF : 2086.6/49

All: 17.120 $\pm$ 0.214 χ^2/NDF : 4039.3/101

- sign 16.861 $\pm$ 0.305 χ^2/NDF : 1951.2/51

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.513 ± 0.034 $\chi^2/\text{NDF}: 16548.3/24$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.763 ± 0.033 $\chi^2/\text{NDF}: 22862.3/28$

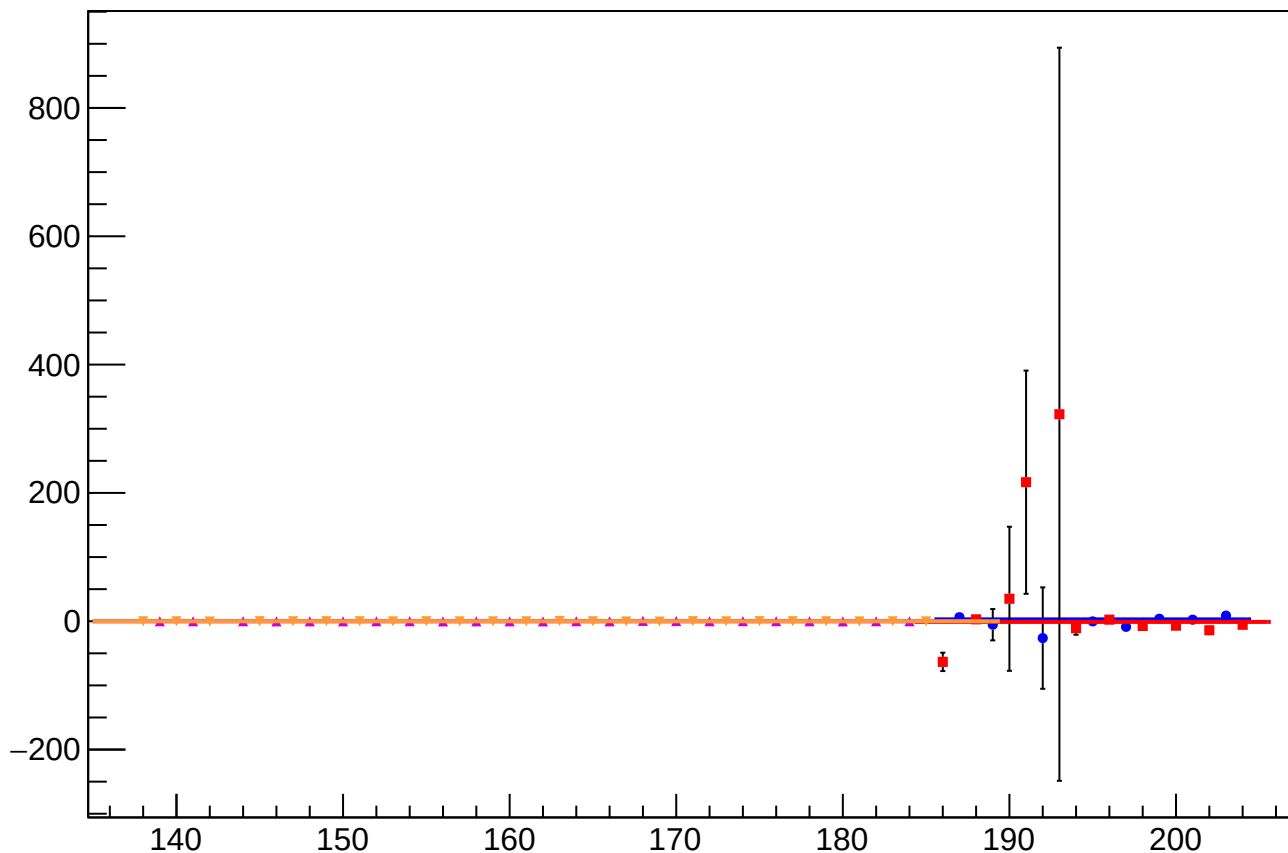
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.897 ± 0.014 $\chi^2/\text{NDF}: 111403.3/49$

All: -39.664 ± 0.010 $\chi^2/\text{NDF}: 194509.3/101$

- sign -39.429 ± 0.014 $\chi^2/\text{NDF}: 82567.1/51$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 2.914 $\pm$ 1.813 χ^2 /NDF: 9.8/7

Left Out: -0.089 $\pm$ 0.022 χ^2 /NDF: 39.7/23

Right Out: -1.047 $\pm$ 1.513 χ^2 /NDF: 32.5/10

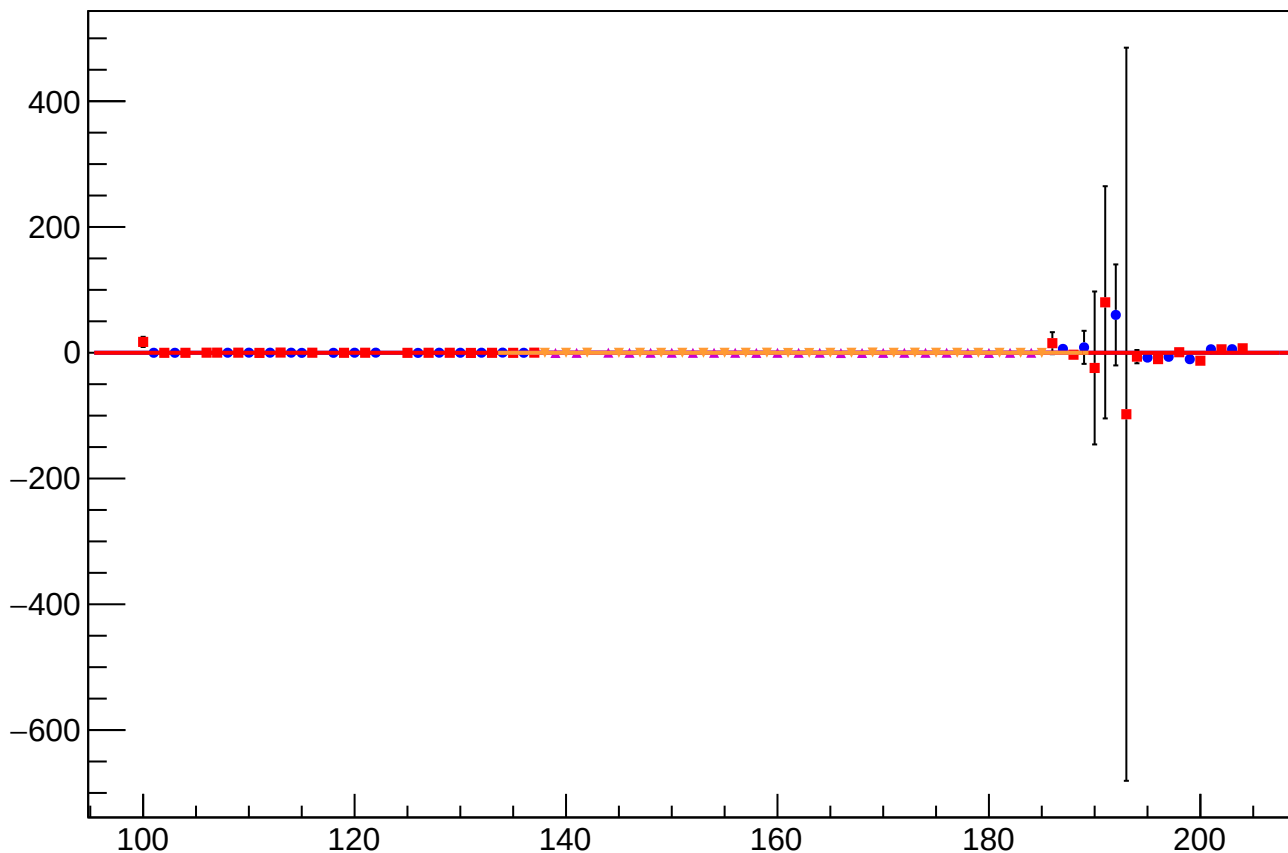
Left In: -0.026 $\pm$ 0.022 χ^2 /NDF: 33.3/22

+ sign -0.088 $\pm$ 0.022 χ^2 /NDF: 52.2/31

All: -0.057 $\pm$ 0.016 χ^2 /NDF: 122.5/65

- sign -0.026 $\pm$ 0.022 χ^2 /NDF: 66.3/33

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 22.8/23

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.051 ± 0.029 χ^2/NDF : 36.4/28

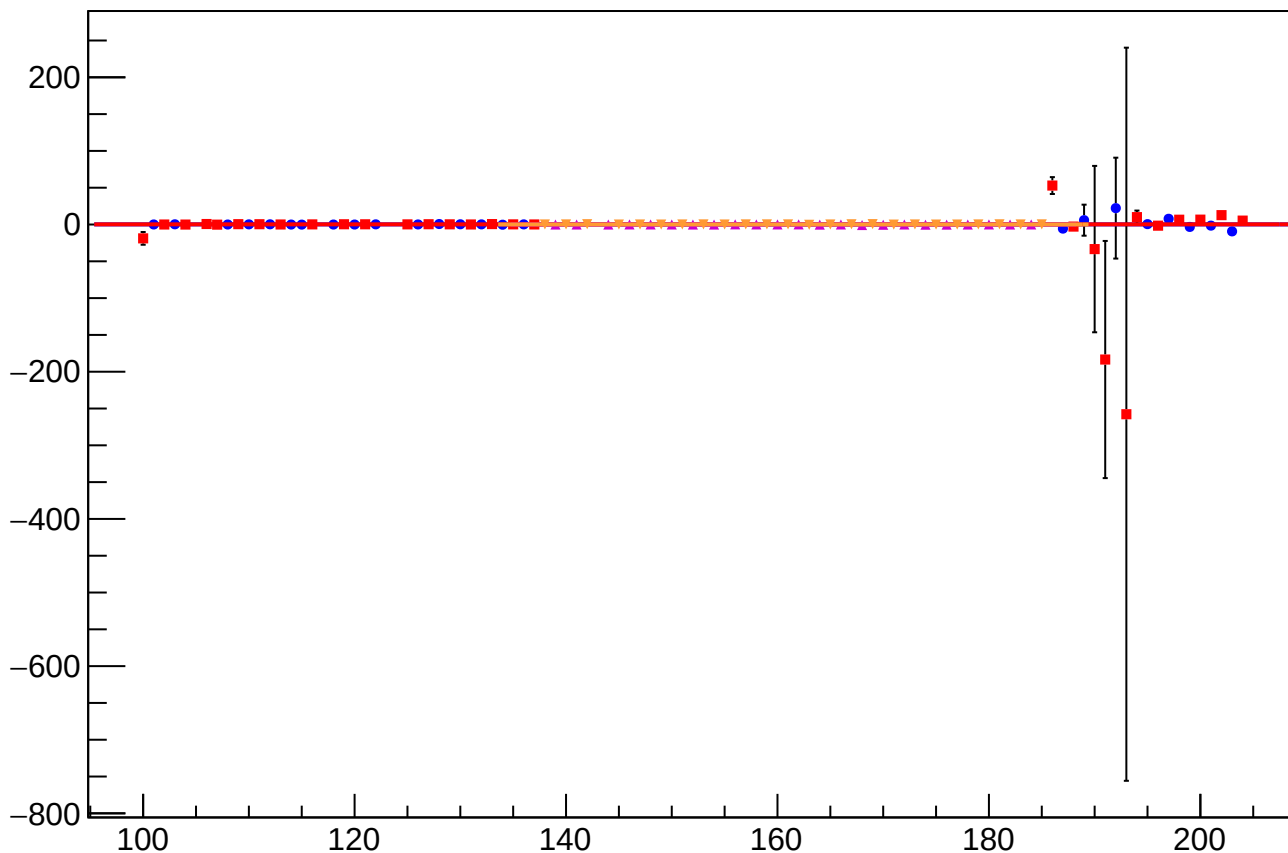
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 54.2/47

All: -0.056 ± 0.011 χ^2/NDF : 122.5/99

- sign -0.052 ± 0.015 χ^2/NDF : 68.2/51

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.171 ± 0.053 χ^2/NDF : 26.9/23

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.236 ± 0.054 χ^2/NDF : 56.9/28

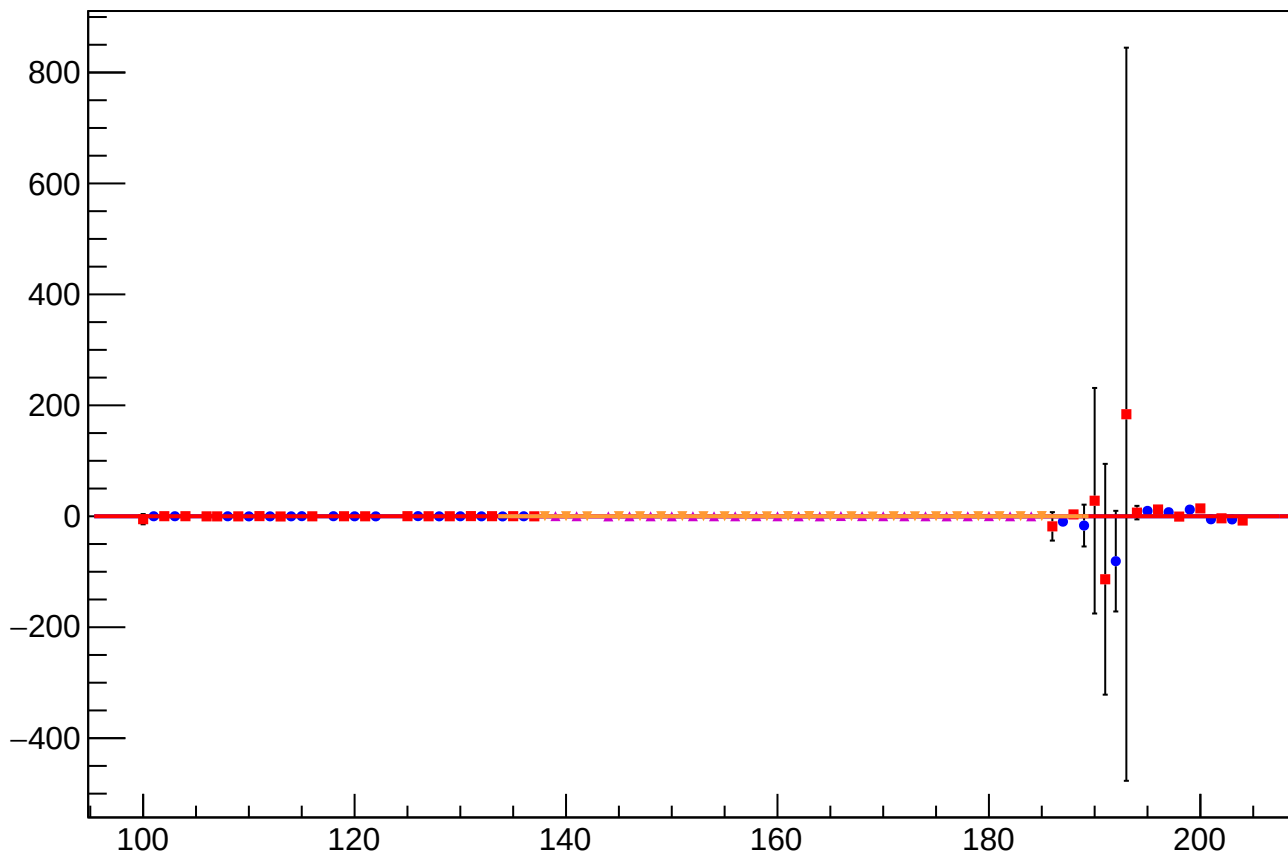
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 67.7/47

All: 0.073 ± 0.014 χ^2/NDF : 176.2/99

- sign 0.051 ± 0.021 χ^2/NDF : 106.2/51

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.006+/-0.033 χ^2/NDF : 24.6/23

Left Out: 0.105+/-0.020 χ^2/NDF :29.5/23

Right Out: 0.058 ± 0.034 χ^2/NDF : 30.3/28

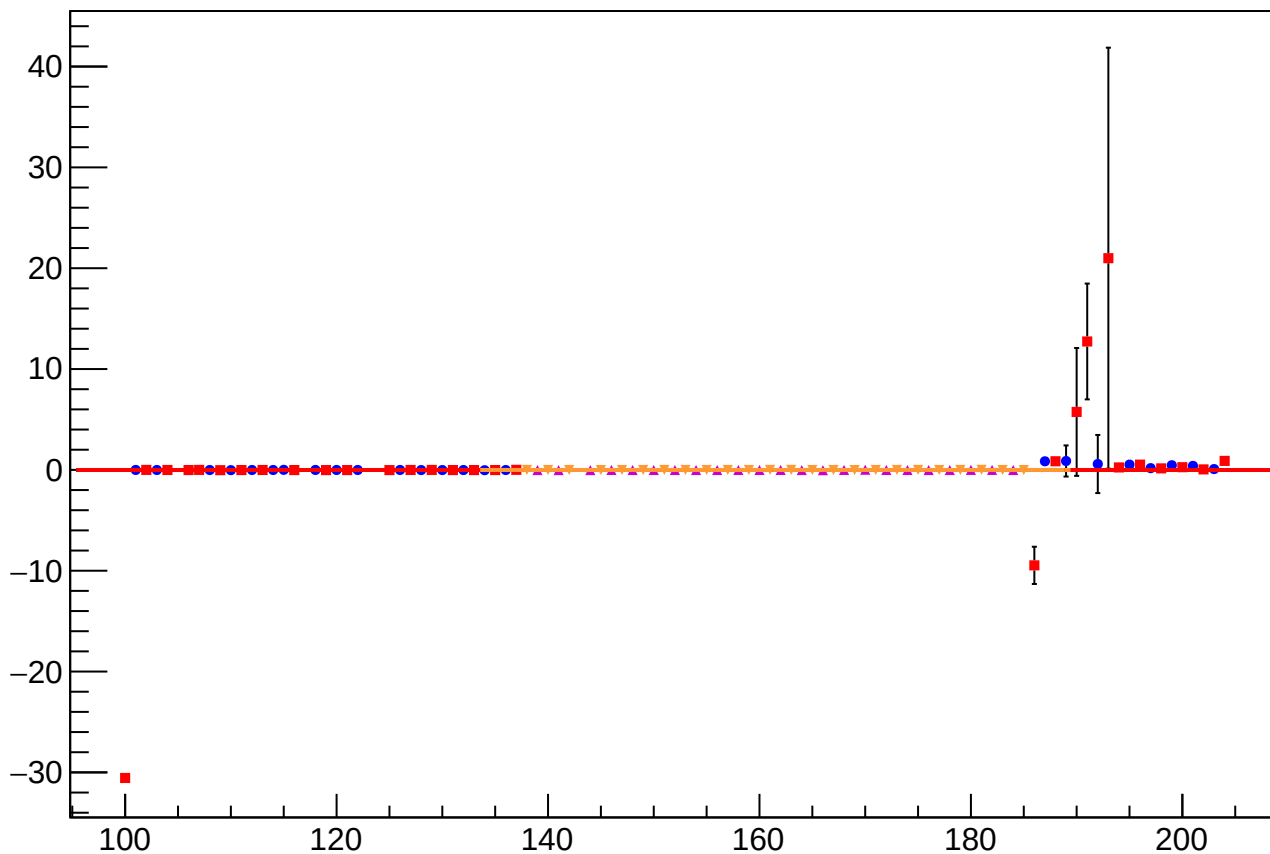
Left In: 0.069+/-0.020 χ^2/NDF :31.3/22

+ sign 0.076 $\pm$ 0.017 χ^2 /NDF: 62.5/47

All: 0.071 ± 0.012 χ^2/NDF : 124.4/99

- sign 0.066 $\pm$ 0.017 χ^2 /NDF: 61.7/51

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 35.3/23

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11954.3/28

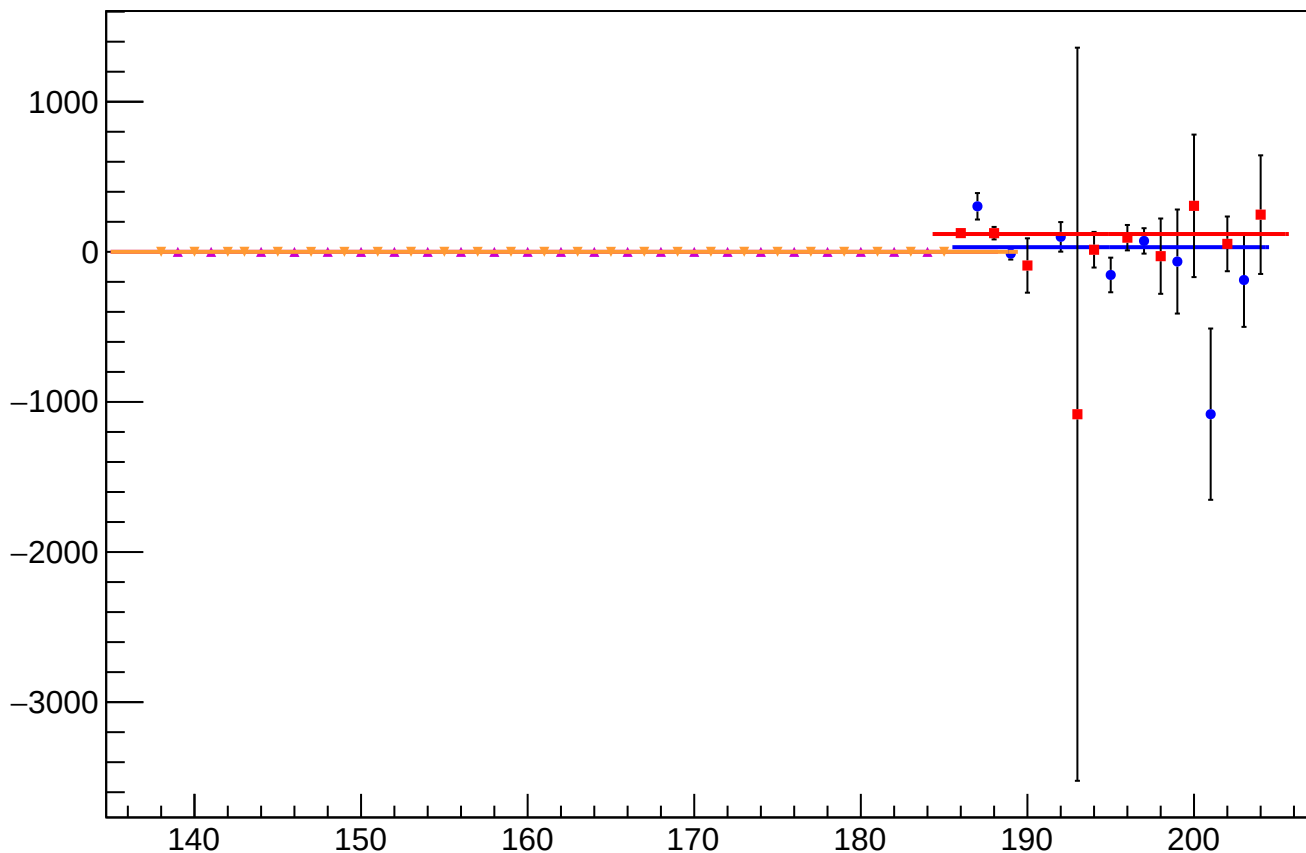
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 68.9/47

All: -0.009 ± 0.001 χ^2/NDF : 12066.8/99

- sign -0.009 ± 0.001 χ^2/NDF : 11997.5/51

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 31.040 $\pm$ 30.015 χ^2 /NDF: 18.4/7

Left Out: 0.017 $\pm$ 0.027 χ^2 /NDF:30.9/24

Right Out: 118.743 $\pm$ 16.444 χ^2 /NDF: 3.3/9

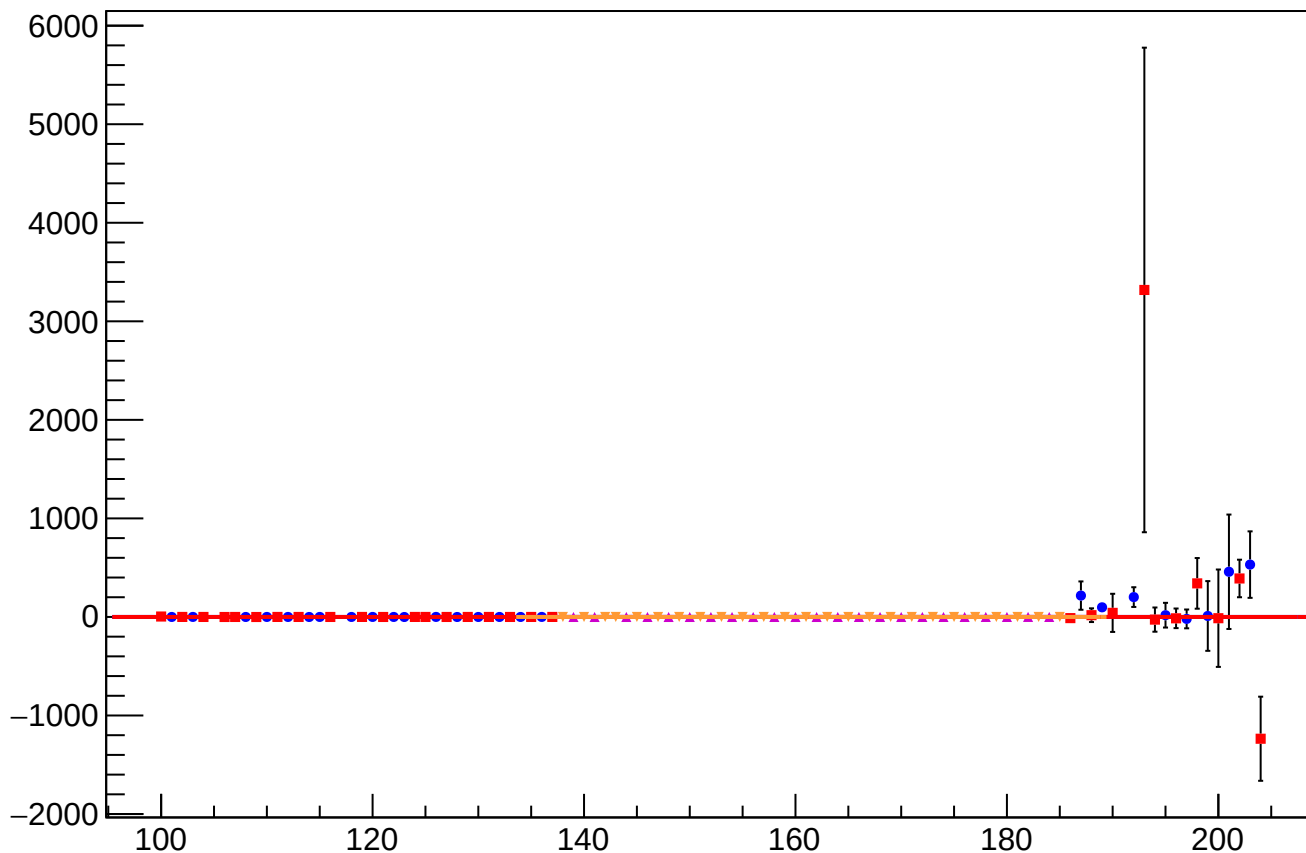
Left In: 0.002 $\pm$ 0.028 χ^2 /NDF:29.0/22

+ sign 0.018 $\pm$ 0.027 χ^2 /NDF: 50.4/32

All: 0.010 $\pm$ 0.019 χ^2 /NDF: 135.0/65

- sign 0.003 $\pm$ 0.028 χ^2 /NDF: 84.5/32

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 37.2/24

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 35.1/28

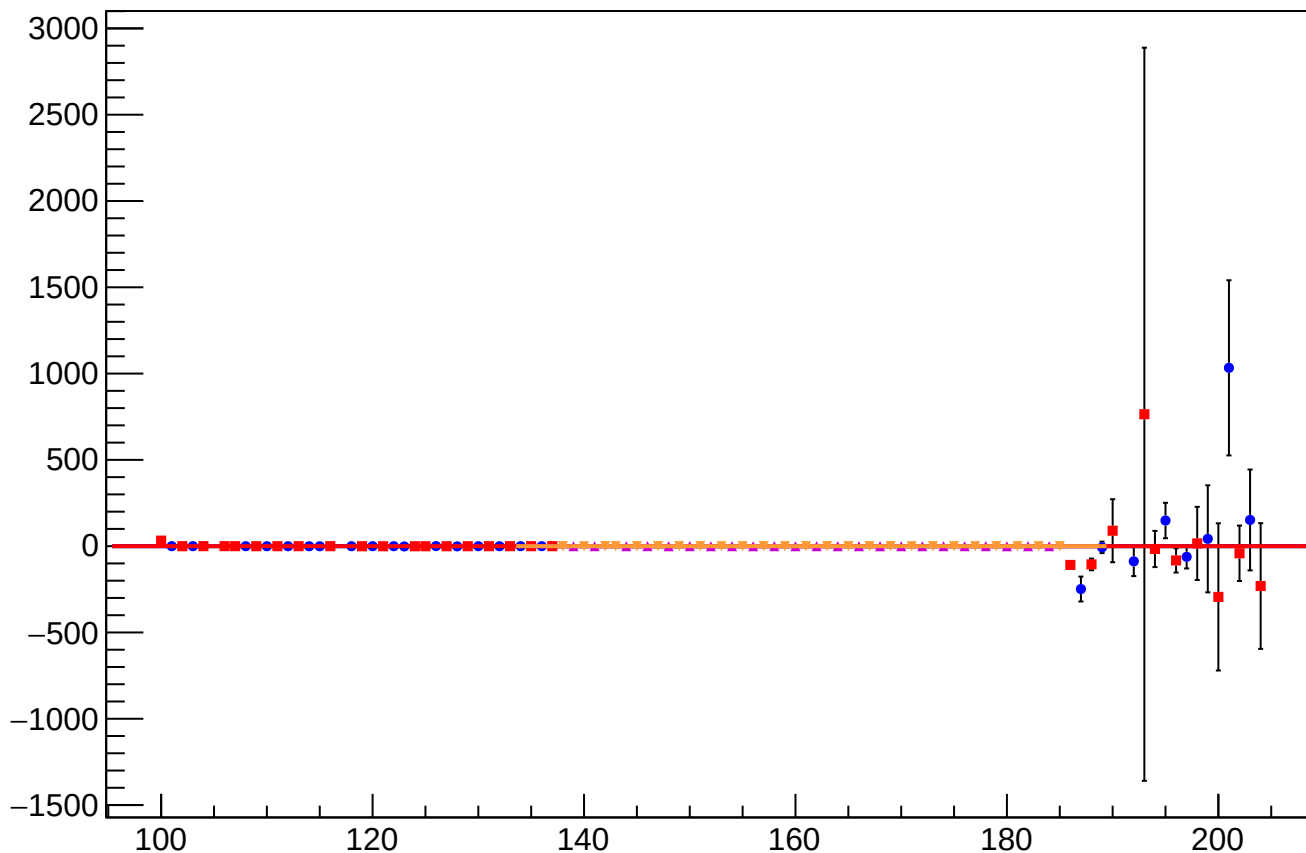
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 62.6/49

All: -0.066 ± 0.013 χ^2/NDF : 149.3/101

- sign -0.083 ± 0.019 χ^2/NDF : 85.2/51

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 45.1/24

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 78.6/28

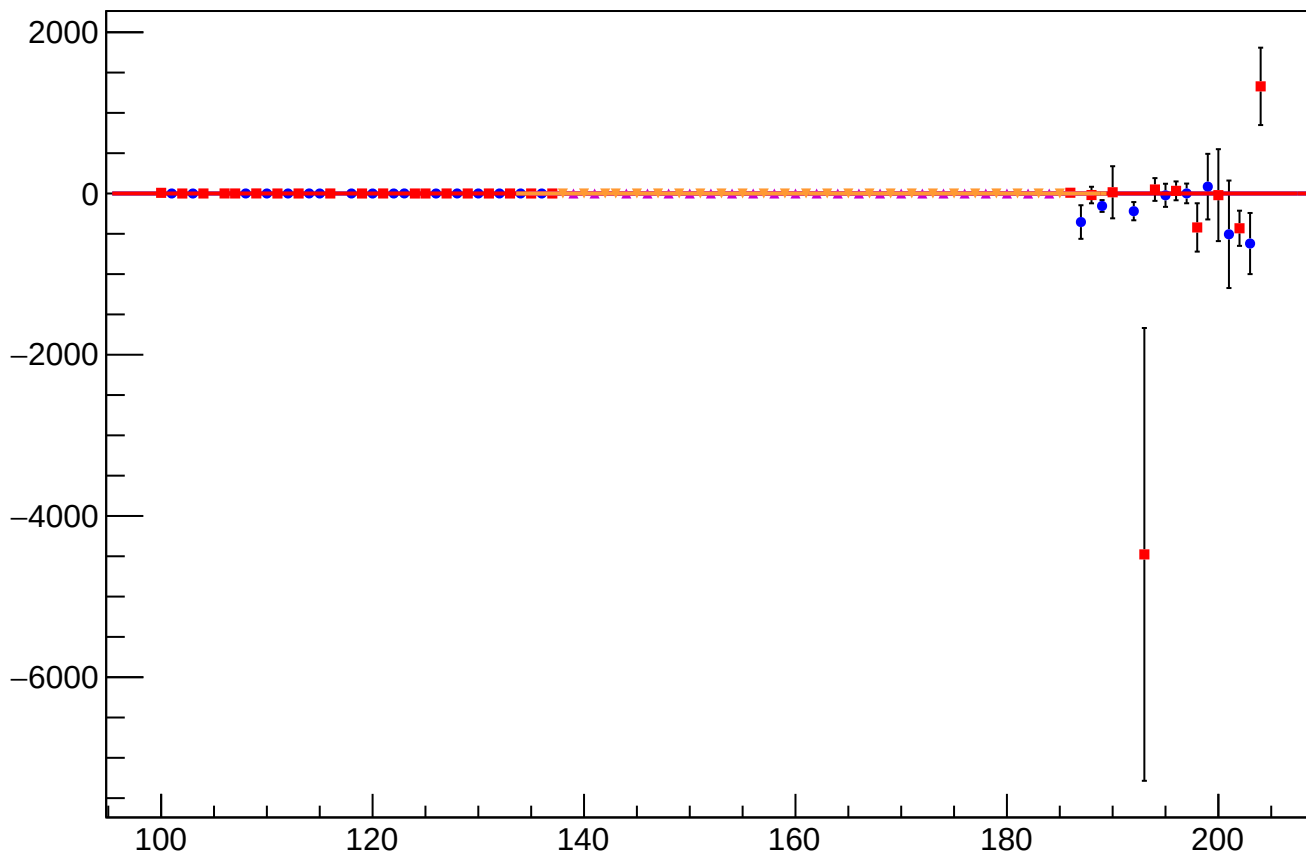
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 76.7/49

All: -0.042 ± 0.018 χ^2/NDF : 187.0/101

- sign -0.050 ± 0.026 χ^2/NDF : 110.2/51

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 $\pm$ 0.043 χ^2 /NDF: 36.1/24

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF: 24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 33.2/28

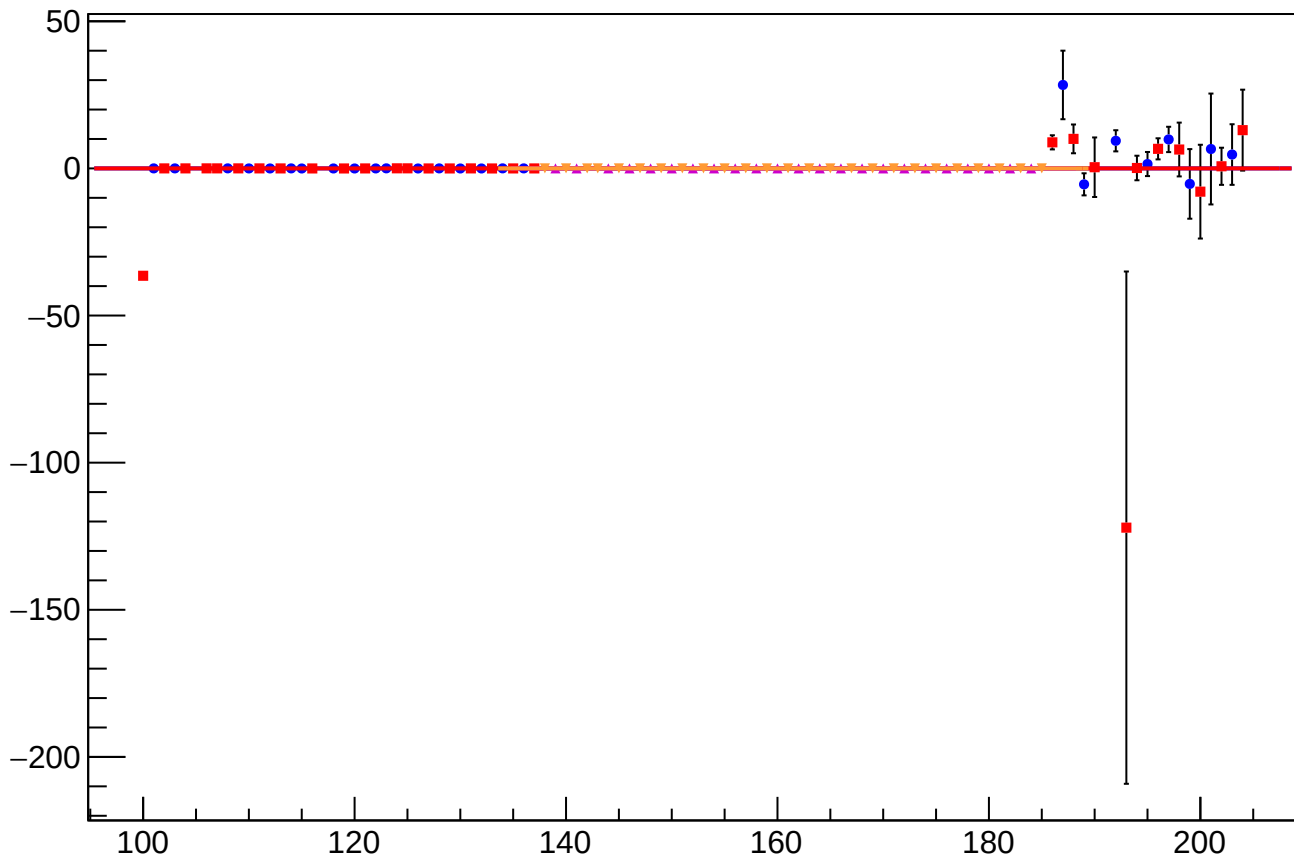
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF: 51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 61.5/49

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 149.9/101

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 87.2/51

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 51.2/24

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10474.0/28

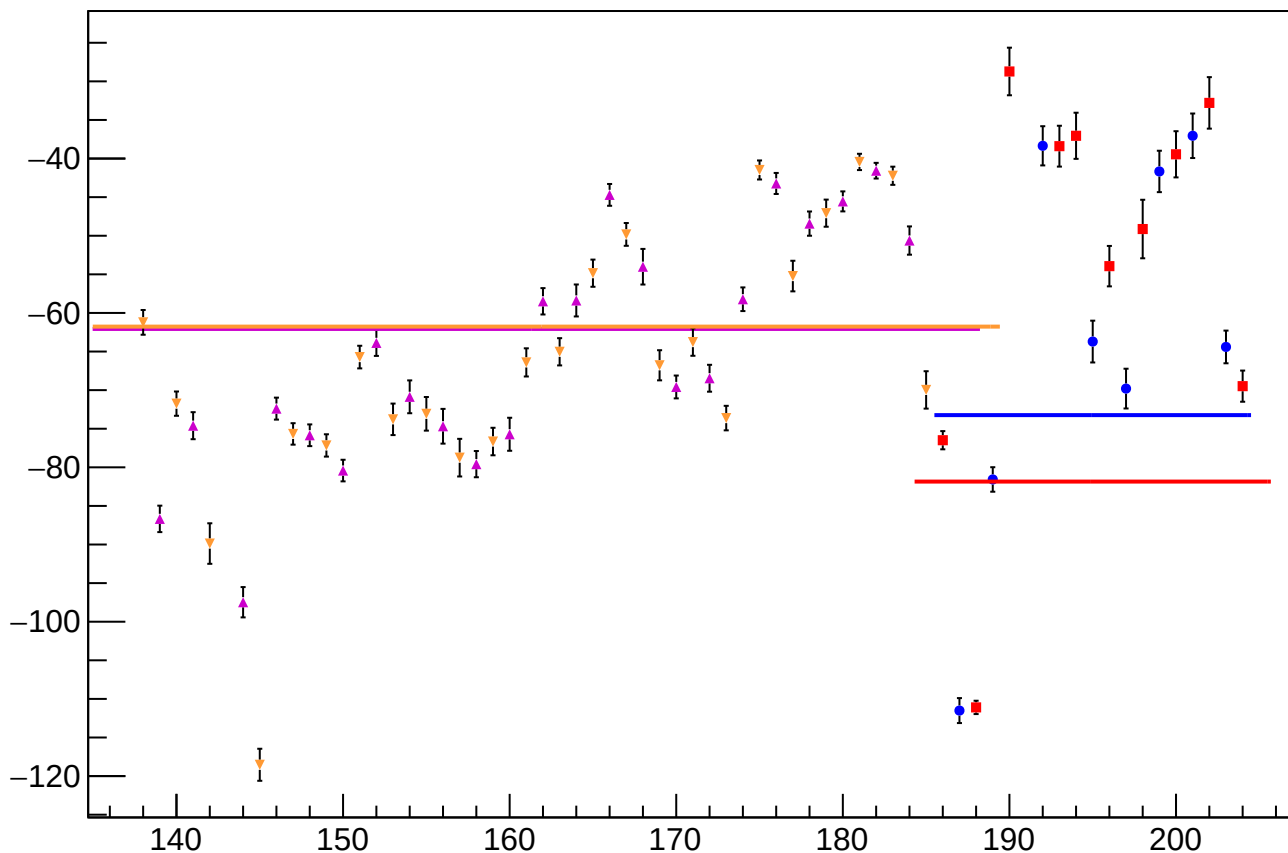
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 85.6/49

All: 0.007 ± 0.001 χ^2/NDF : 10585.0/101

- sign 0.007 ± 0.001 χ^2/NDF : 10499.4/51

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -73.237 $\pm$ 0.766 χ^2 /NDF: 1103.9/7

Left Out: -61.771 $\pm$ 0.334 χ^2 /NDF: 2504.9/23

Right Out: -81.846 $\pm$ 0.570 χ^2 /NDF: 2600.7/9

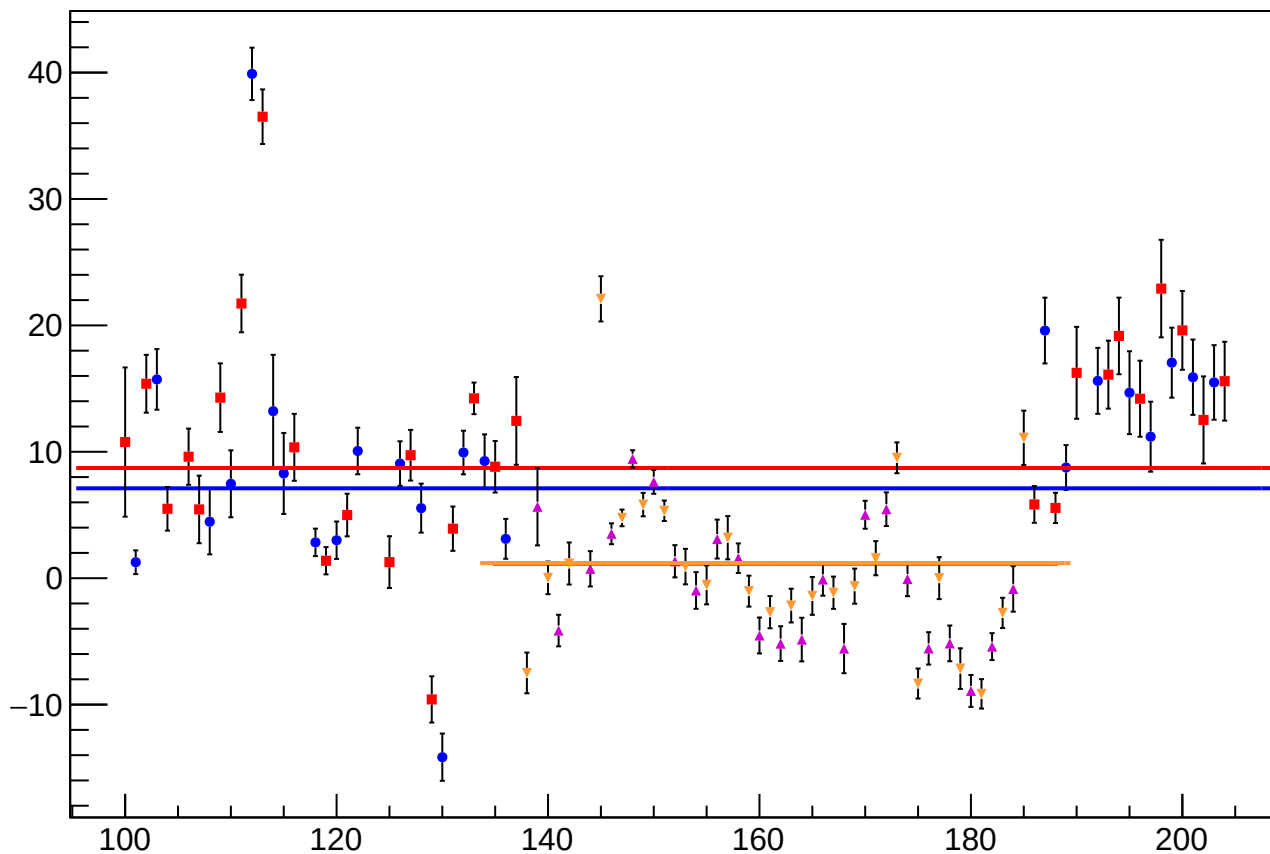
Left In: -62.073 $\pm$ 0.332 χ^2 /NDF: 2192.0/22

+ sign -63.601 $\pm$ 0.306 χ^2 /NDF: 3797.0/31

All: -65.460 $\pm$ 0.209 χ^2 /NDF: 9557.9/64

- sign -67.094 $\pm$ 0.287 χ^2 /NDF: 5691.7/32

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 7.111 $\pm$ 0.389 χ^2/NDF : 543.8/23

Left Out: 1.198 $\pm$ 0.253 χ^2/NDF : 526.3/23

Right Out: 8.717 $\pm$ 0.383 χ^2/NDF : 479.1/27

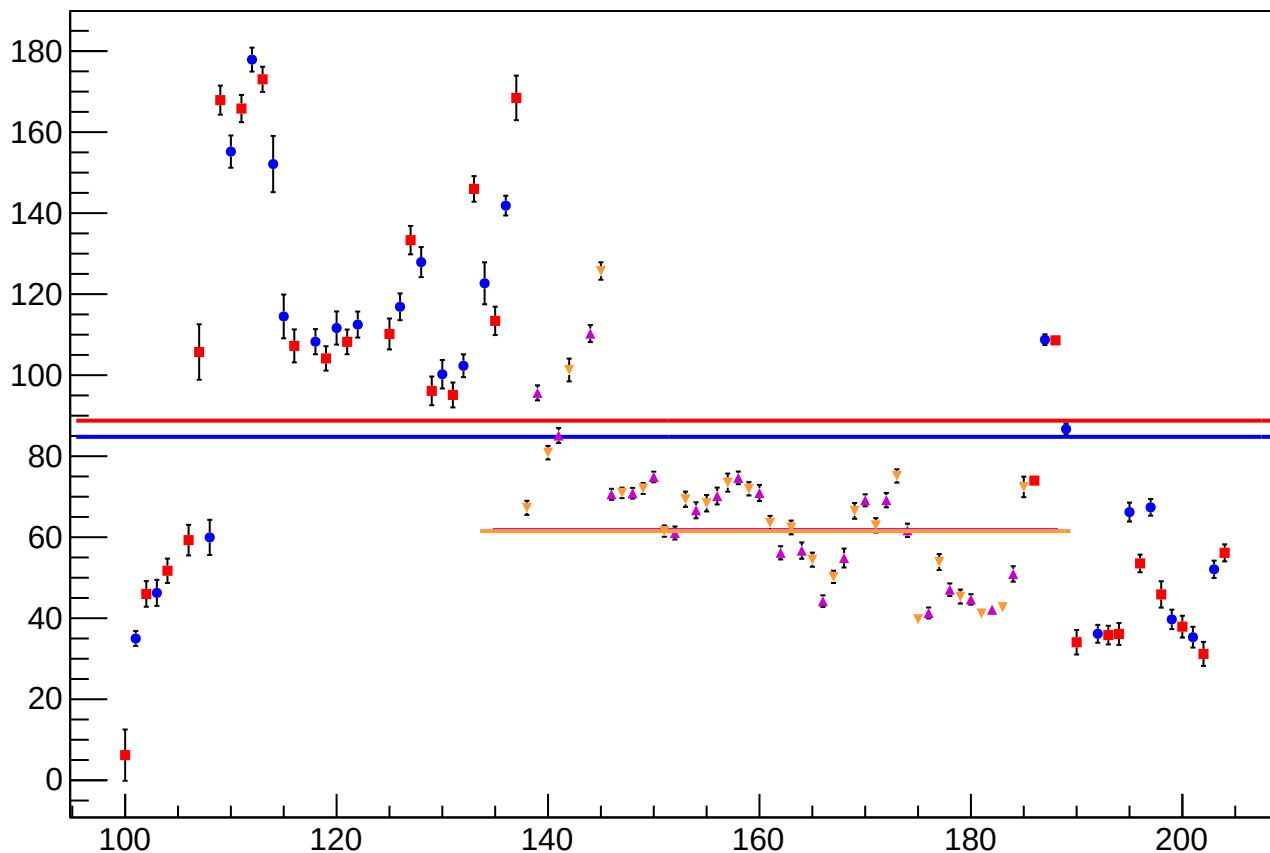
Left In: 1.146 $\pm$ 0.255 χ^2/NDF : 462.9/22

+ sign 2.952 $\pm$ 0.212 χ^2/NDF : 1232.7/47

All: 3.215 $\pm$ 0.150 χ^2/NDF : 2448.7/98

- sign 3.479 $\pm$ 0.212 χ^2/NDF : 1213.0/50

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 84.775 ± 0.512 χ^2/NDF : 5303.0/23

Left Out: 61.512 ± 0.332 χ^2/NDF : 2606.0/23

Right Out: 88.775 ± 0.414 χ^2/NDF : 6902.4/27

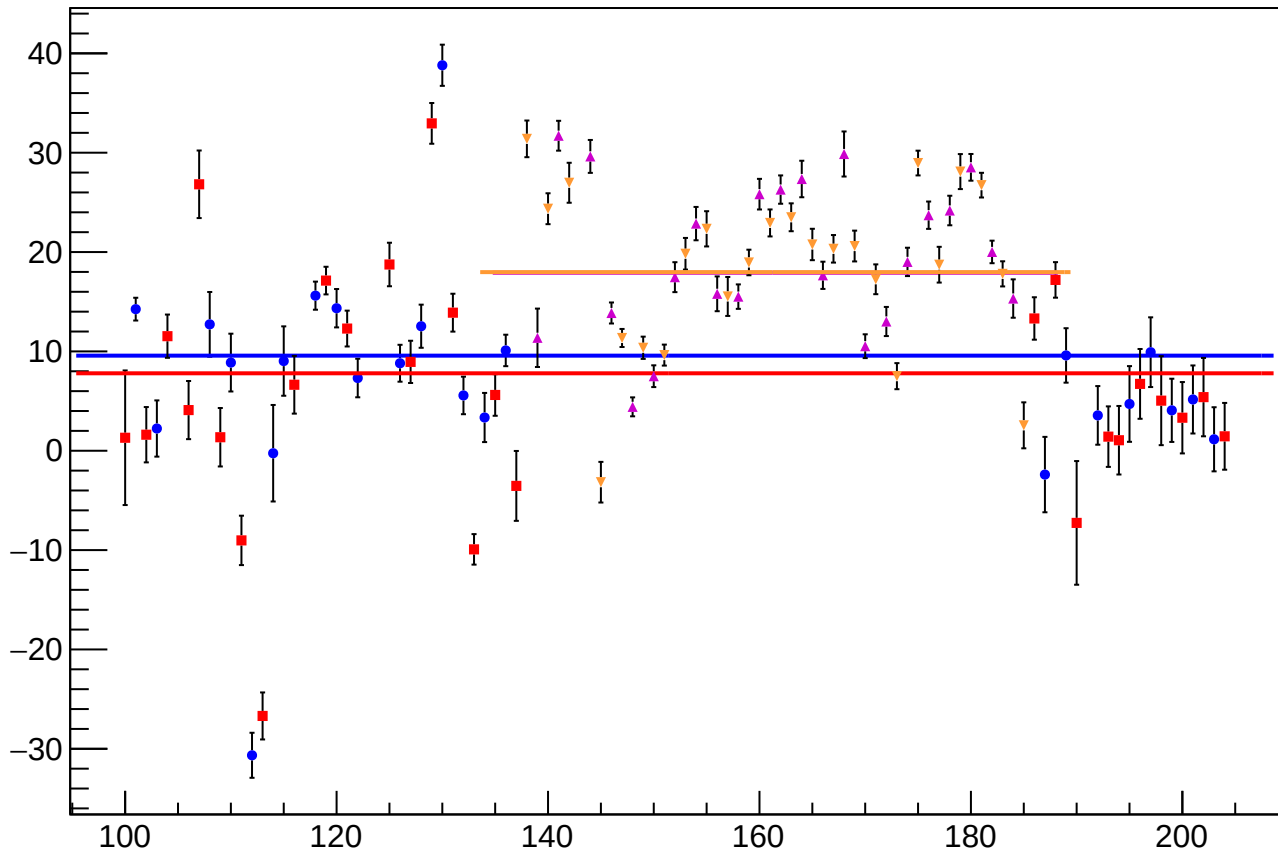
Left In: 61.762 ± 0.330 χ^2/NDF : 2418.2/22

+ sign 68.399 ± 0.279 χ^2/NDF : 9359.8/47

All: 70.484 ± 0.189 χ^2/NDF : 21391.0/98

- sign 72.269 ± 0.258 χ^2/NDF : 11927.4/50

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 9.573 $\pm$ 0.458 χ^2/NDF : 608.3/23

Left Out: 17.980 $\pm$ 0.291 χ^2/NDF : 674.4/23

Right Out: 7.796 $\pm$ 0.459 χ^2/NDF : 741.2/27

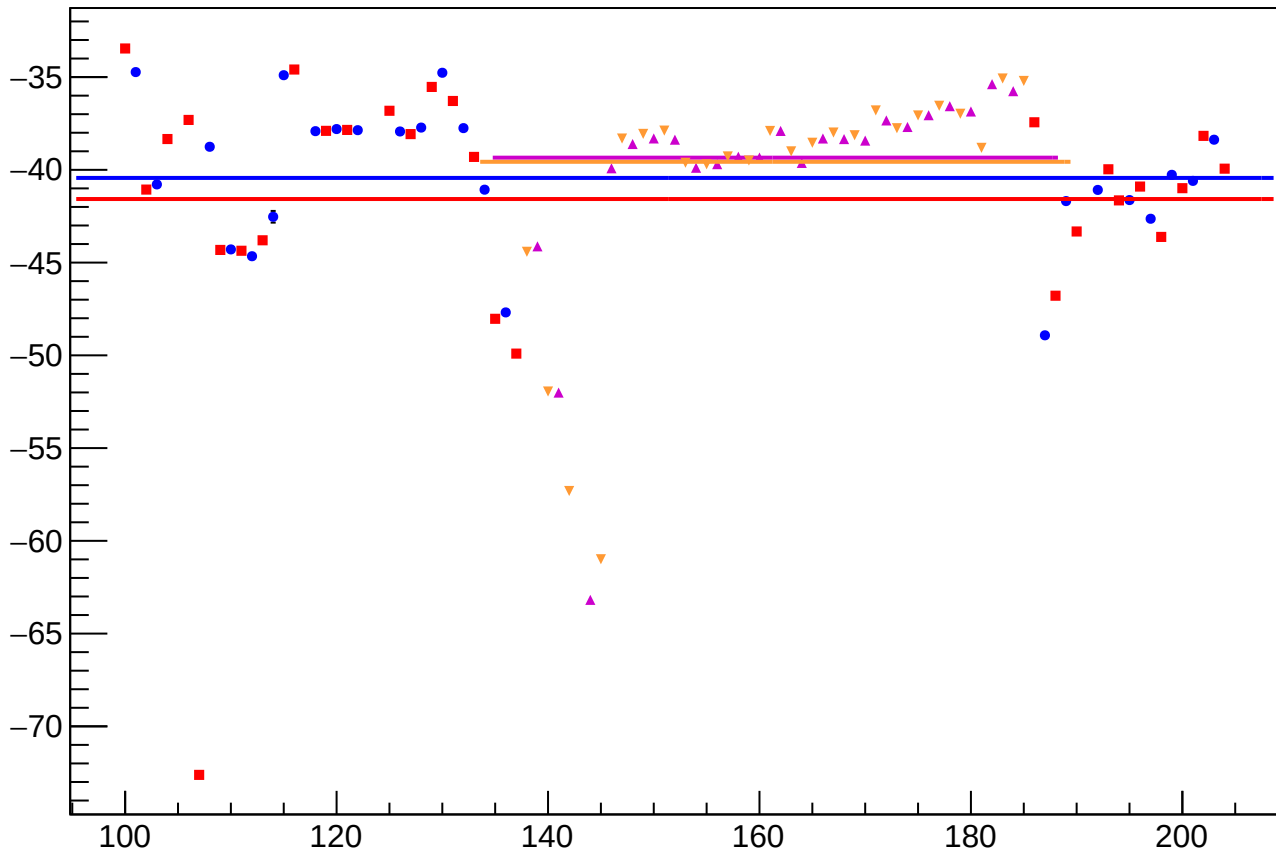
Left In: 17.916 $\pm$ 0.292 χ^2/NDF : 726.5/22

+ sign 15.560 $\pm$ 0.245 χ^2/NDF : 1523.1/47

All: 15.278 $\pm$ 0.174 χ^2/NDF : 3339.5/98

- sign 14.994 $\pm$ 0.247 χ^2/NDF : 1813.8/50

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.436 ± 0.023 $\chi^2/\text{NDF}: 27656.9/23$

Left Out: -39.566 ± 0.014 $\chi^2/\text{NDF}: 141198.7/23$

Right Out: -41.573 ± 0.022 $\chi^2/\text{NDF}: 67325.6/27$

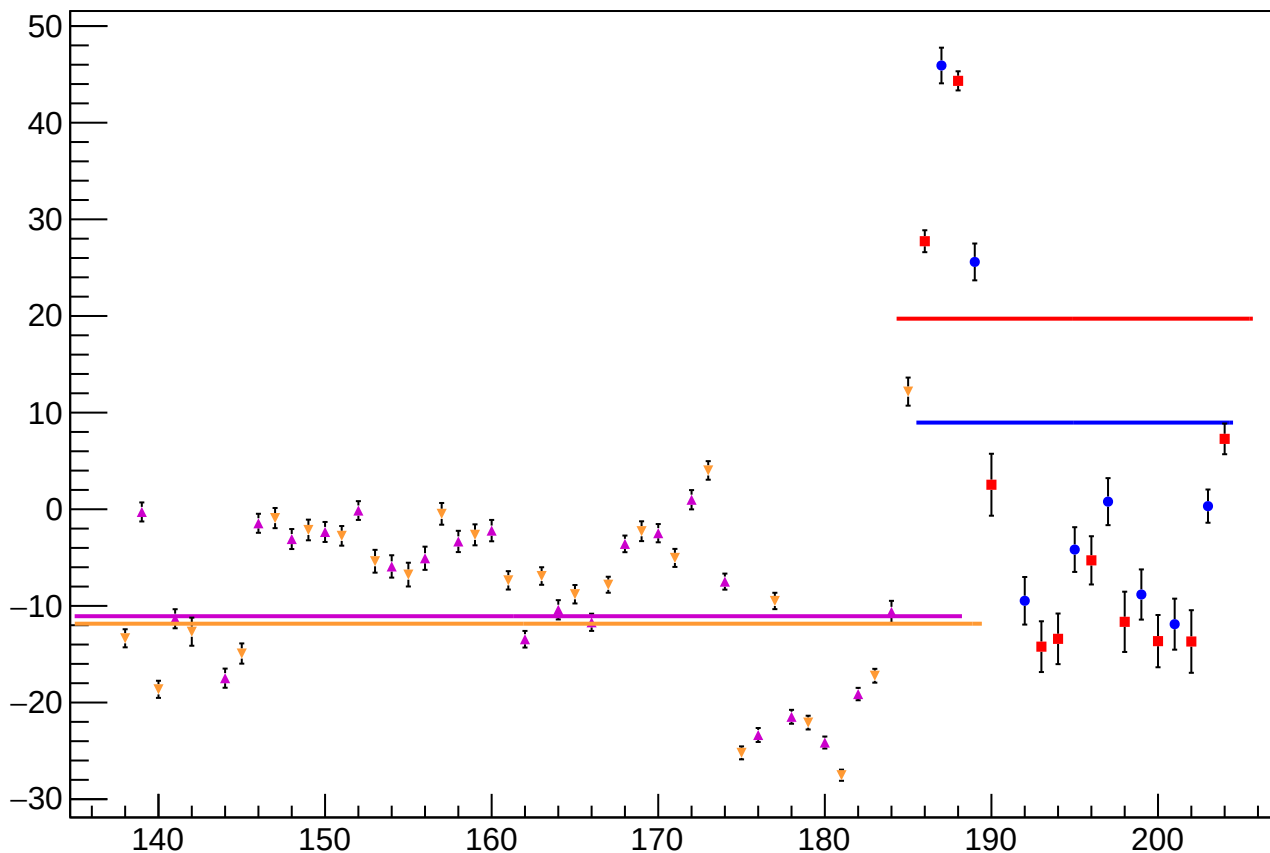
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.794 ± 0.012 $\chi^2/\text{NDF}: 169907.1/47$

All: -39.869 ± 0.008 $\chi^2/\text{NDF}: 361130.9/98$

- sign -39.941 ± 0.012 $\chi^2/\text{NDF}: 191144.9/50$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.969 ± 0.763 $\chi^2/\text{NDF}: 711.5/7$

Left Out: -11.842 ± 0.187 $\chi^2/\text{NDF}: 2739.8/23$

Right Out: 19.721 ± 0.570 $\chi^2/\text{NDF}: 1544.8/9$

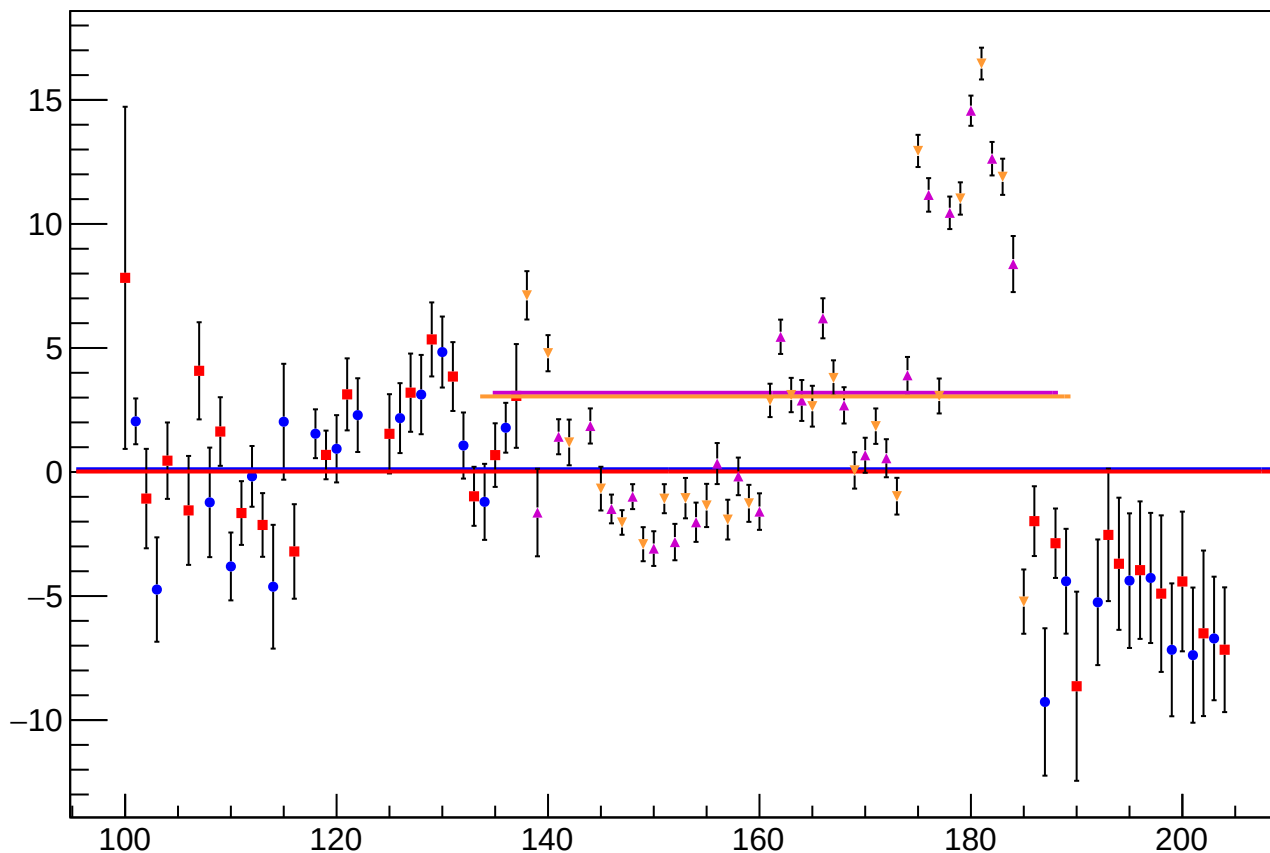
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -10.664 ± 0.181 $\chi^2/\text{NDF}: 4154.0/31$

All: -9.335 ± 0.127 $\chi^2/\text{NDF}: 10539.2/64$

- sign -8.049 ± 0.179 $\chi^2/\text{NDF}: 6279.6/32$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.111 ± 0.320 $\chi^2/\text{NDF}: 94.8/23$

Left Out: 3.047 ± 0.148 $\chi^2/\text{NDF}: 1457.2/23$

Right Out: 0.020 ± 0.317 $\chi^2/\text{NDF}: 81.9/27$

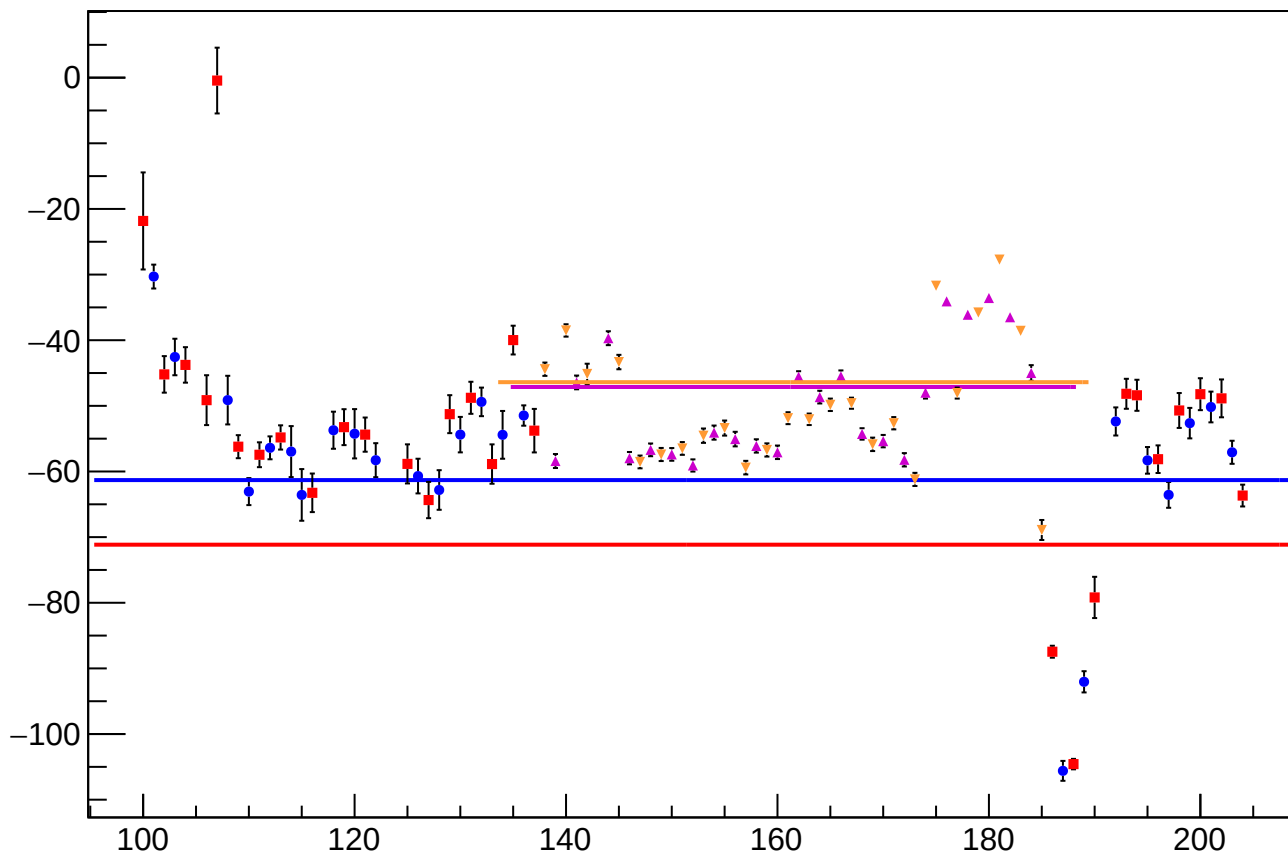
Left In: 3.194 ± 0.150 $\chi^2/\text{NDF}: 1295.0/22$

+ sign 2.531 ± 0.134 $\chi^2/\text{NDF}: 1621.3/47$

All: 2.572 ± 0.095 $\chi^2/\text{NDF}: 3080.4/98$

- sign 2.613 ± 0.136 $\chi^2/\text{NDF}: 1458.9/50$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -61.310 $\pm$ 0.453 χ^2/NDF : 1728.6/23

Left Out: -46.392 $\pm$ 0.187 χ^2/NDF : 3286.7/23

Right Out: -71.151 $\pm$ 0.381 χ^2/NDF : 3704.8/27

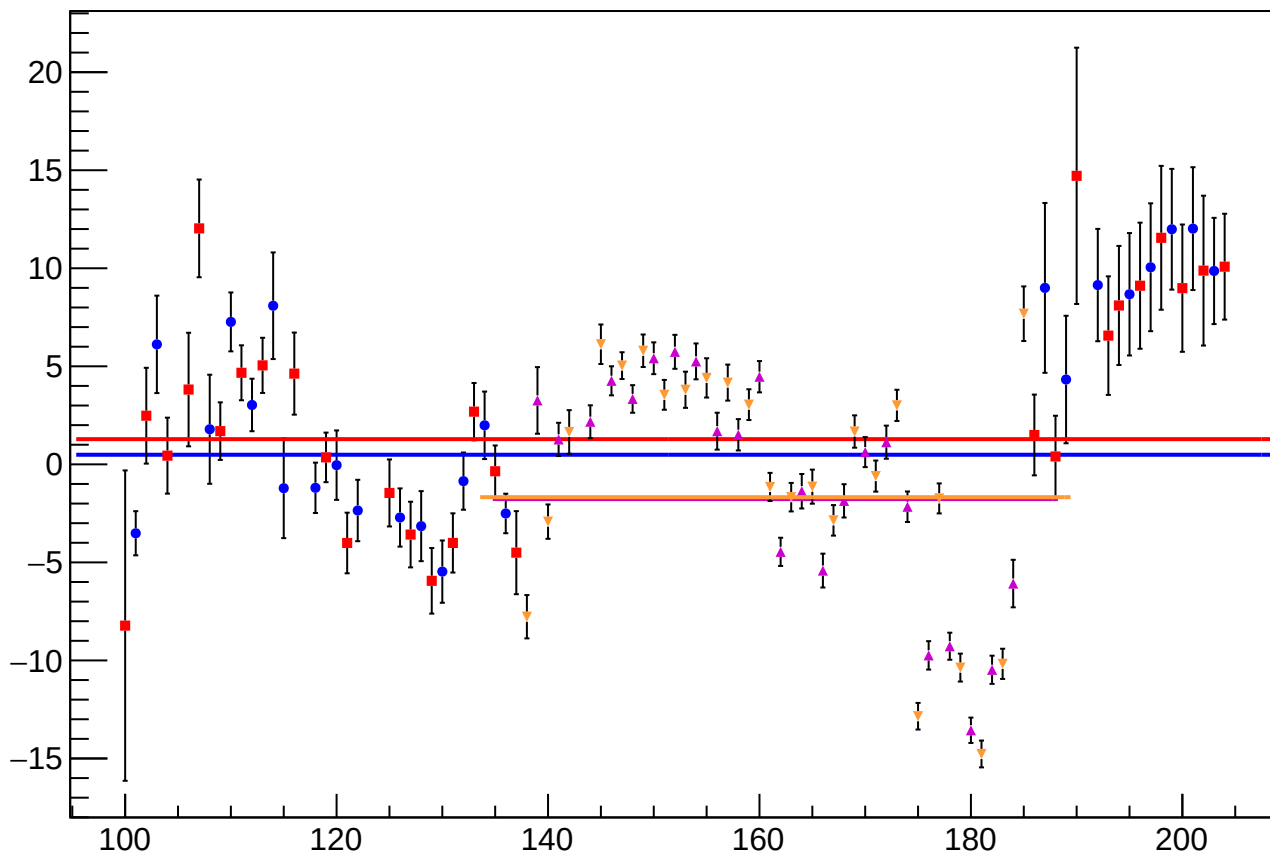
Left In: -47.128 $\pm$ 0.187 χ^2/NDF : 2516.0/22

+ sign -48.554 $\pm$ 0.173 χ^2/NDF : 5941.7/47

All: -50.221 $\pm$ 0.120 χ^2/NDF : 15549.1/98

- sign -51.802 $\pm$ 0.168 χ^2/NDF : 9425.5/50

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 0.490 ± 0.366 χ^2/NDF : 158.0/23

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 1.285 ± 0.367 χ^2/NDF : 148.6/27

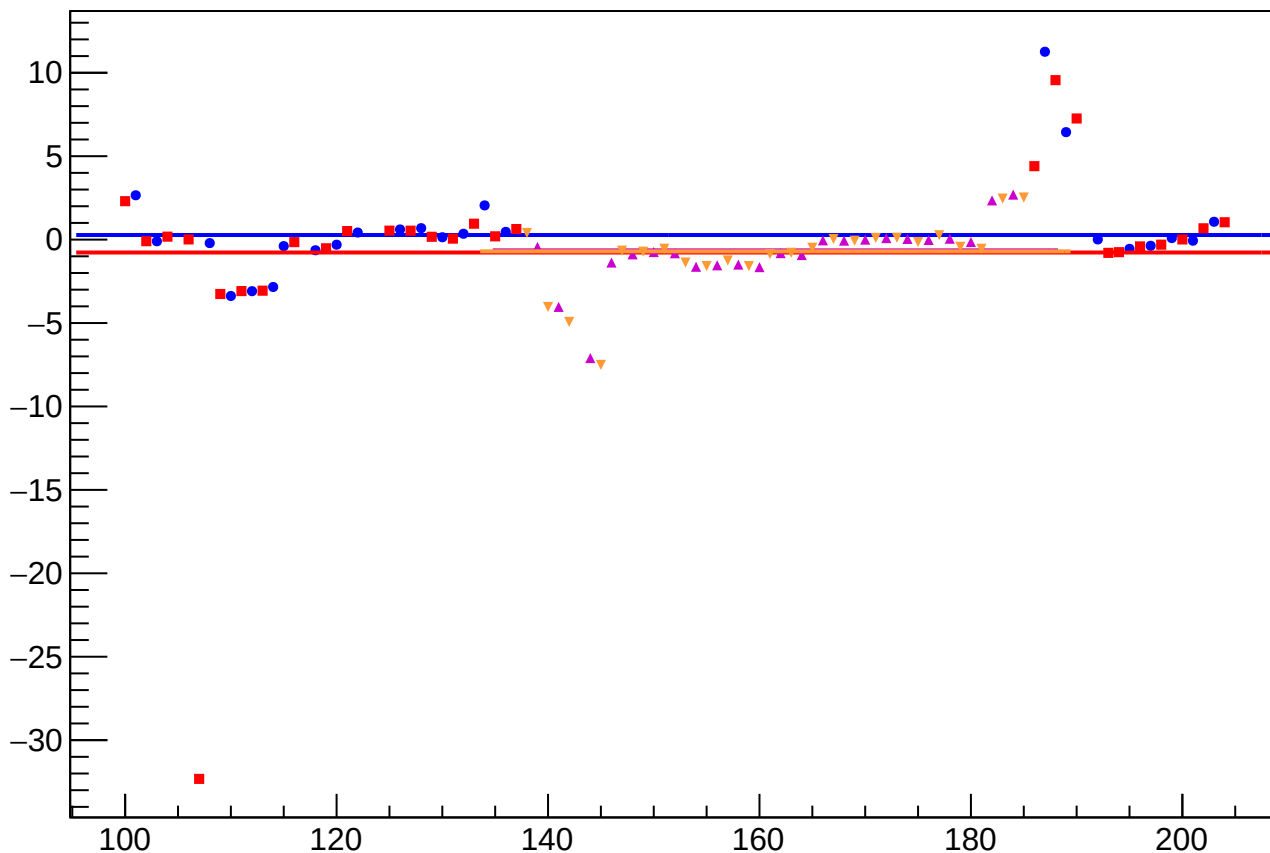
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.302 ± 0.152 χ^2/NDF : 1670.7/47

All: -1.270 ± 0.108 χ^2/NDF : 3127.9/98

- sign -1.237 ± 0.153 χ^2/NDF : 1457.1/50

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.275 ± 0.019 $\chi^2/\text{NDF}: 9304.8/23$

Left Out: -0.702 ± 0.008 $\chi^2/\text{NDF}: 53834.9/23$

Right Out: -0.773 ± 0.018 $\chi^2/\text{NDF}: 92798.3/27$

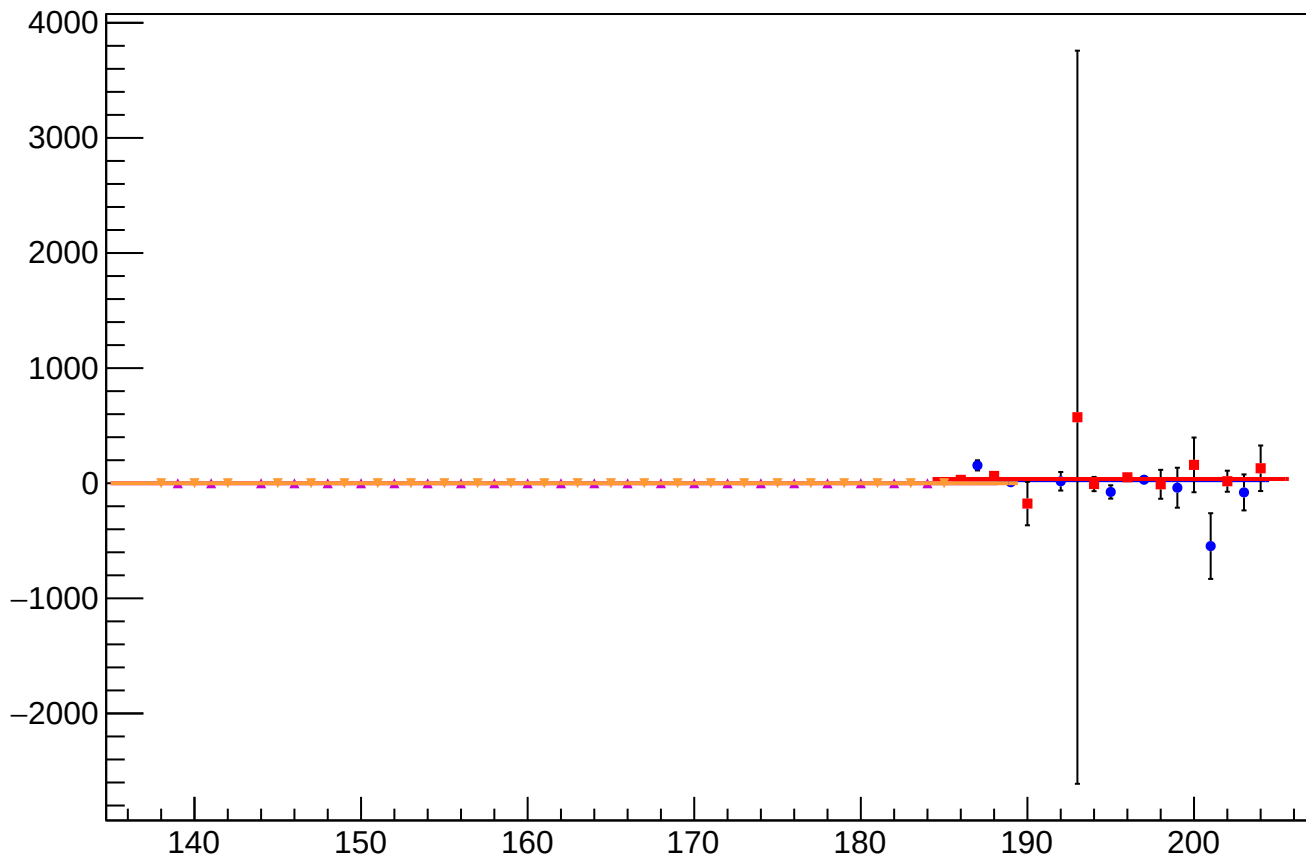
Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

+ sign -0.561 ± 0.007 $\chi^2/\text{NDF}: 65492.9/47$

All: -0.612 ± 0.005 $\chi^2/\text{NDF}: 202605.7/98$

- sign -0.663 ± 0.007 $\chi^2/\text{NDF}: 137009.1/50$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 26.613+/-18.647 χ^2/NDF : 16.6/7

Left Out: -0.037+/-0.018 χ^2/NDF : 35.4/23

Right Out: 36.949+/-9.899 χ^2/NDF : 4.6/9

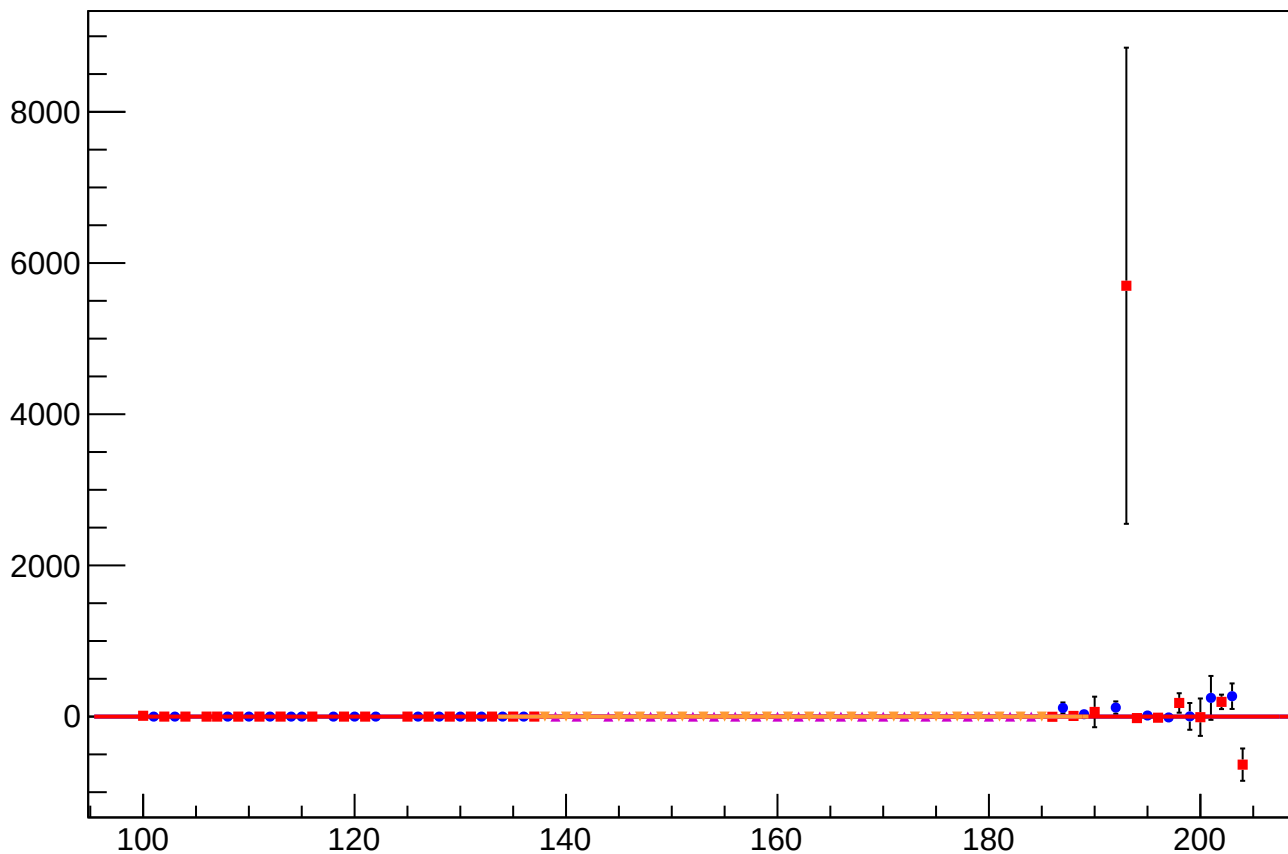
Left In: -0.010+/-0.018 χ^2/NDF : 35.1/22

+ sign -0.037+/-0.018 χ^2/NDF : 54.1/31

All: -0.024+/-0.013 χ^2/NDF : 108.9/64

- sign -0.010+/-0.018 χ^2/NDF : 53.6/32

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 21.1/23

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 31.5/27

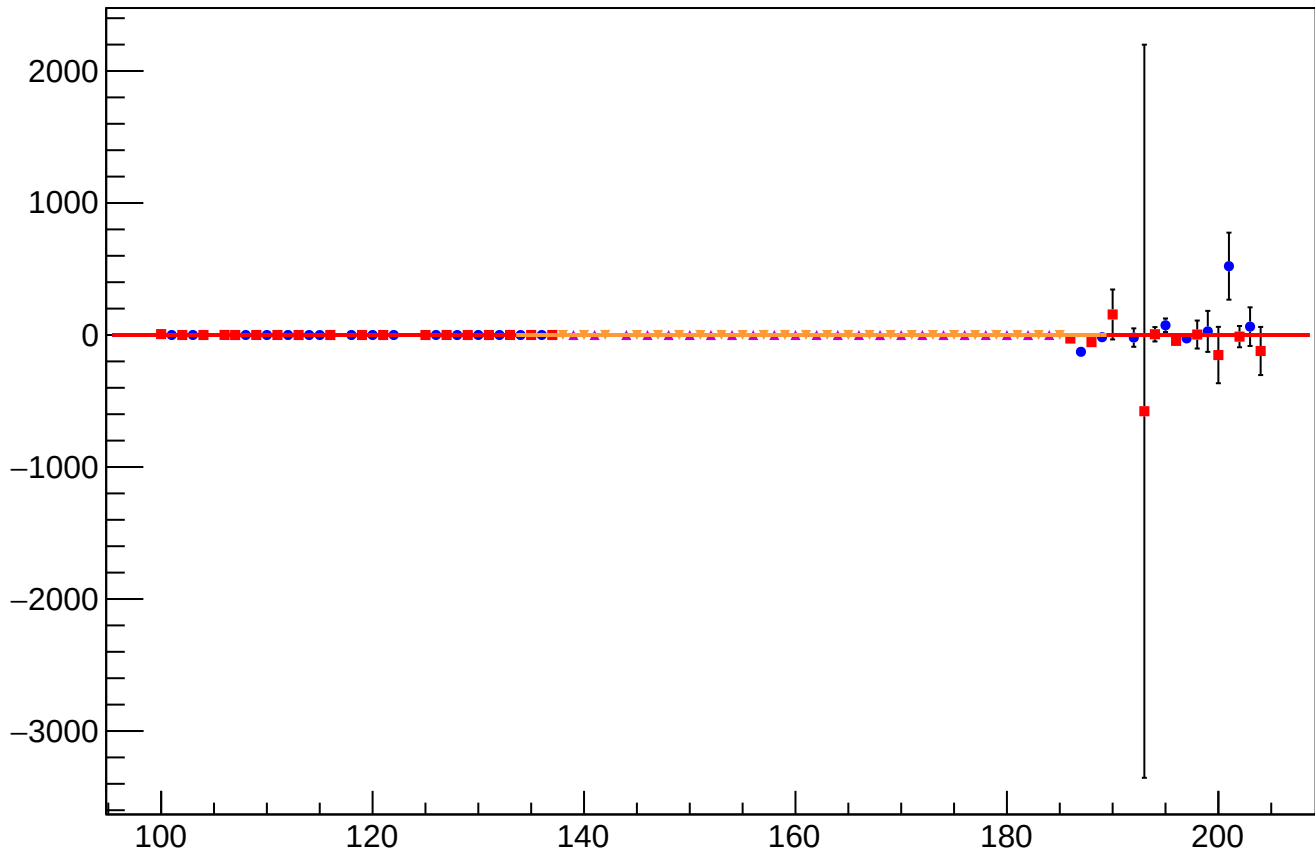
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 53.6/47

All: -0.063 ± 0.009 χ^2/NDF : 127.4/98

- sign -0.070 ± 0.012 χ^2/NDF : 73.3/50

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016+/-0.043 χ^2/NDF : 29.1/23

Left Out: 0.035+/-0.018 χ^2/NDF : 32.2/23

Right Out: 0.031+/-0.045 χ^2/NDF : 30.2/27

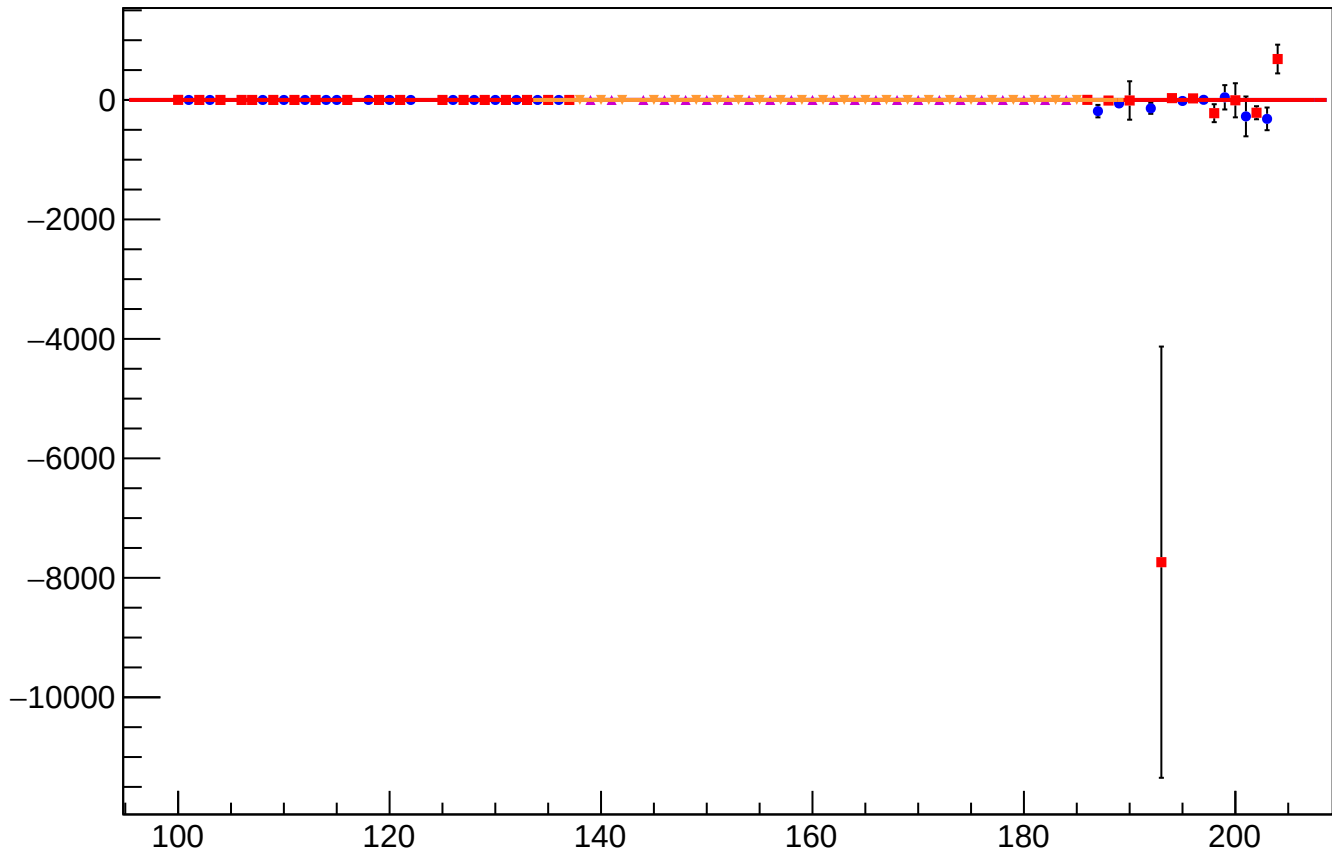
Left In: -0.009+/-0.018 χ^2/NDF : 36.8/22

+ sign 0.032+/-0.017 χ^2/NDF : 61.5/47

All: 0.015+/-0.012 χ^2/NDF : 131.5/98

- sign -0.003+/-0.017 χ^2/NDF : 67.7/50

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008+/-0.027 χ^2/NDF : 22.1/23

Left Out: 0.086+/-0.016 χ^2/NDF : 27.7/23

Right Out: 0.105+/-0.029 χ^2/NDF : 27.3/27

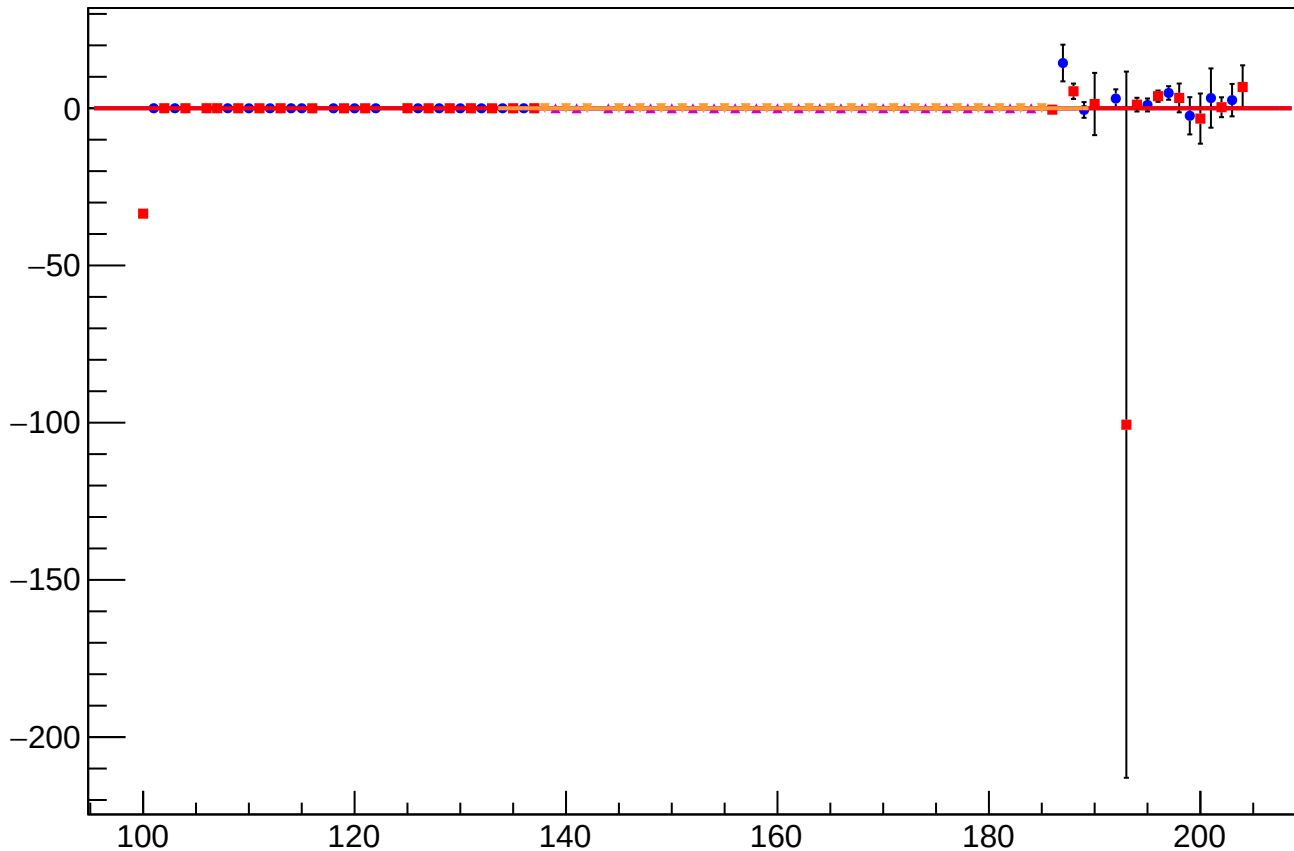
Left In: 0.070+/-0.016 χ^2/NDF : 44.8/22

+ sign 0.066+/-0.014 χ^2/NDF : 55.9/47

All: 0.072+/-0.010 χ^2/NDF : 129.5/98

- sign 0.078+/-0.014 χ^2/NDF : 73.3/50

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 34.6/23

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26521.2/27

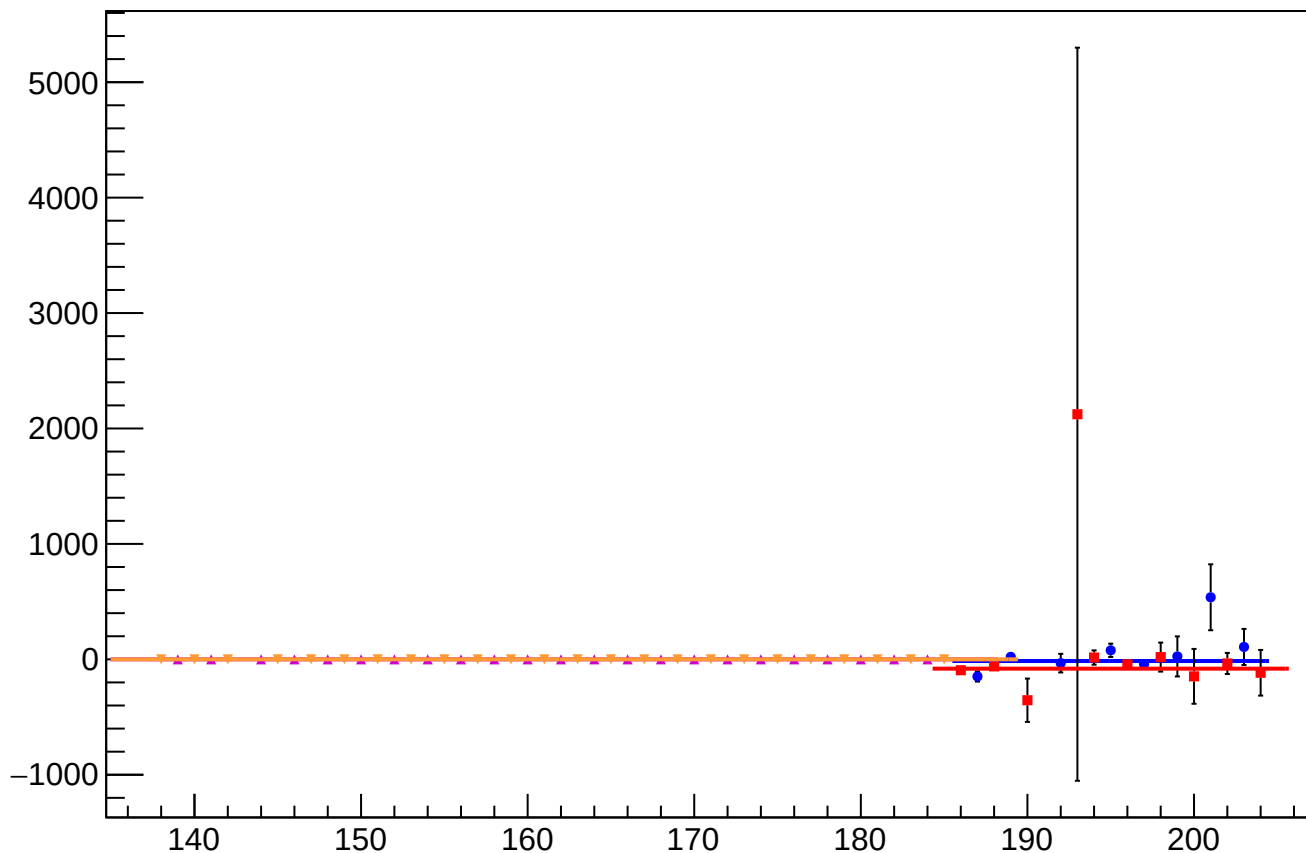
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 71.0/47

All: -0.001 ± 0.000 χ^2/NDF : 26628.5/98

- sign -0.001 ± 0.001 χ^2/NDF : 26557.4/50

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -14.648 ± 18.638 χ^2/NDF : 18.3/7

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -80.807 ± 9.902 χ^2/NDF : 9.0/9

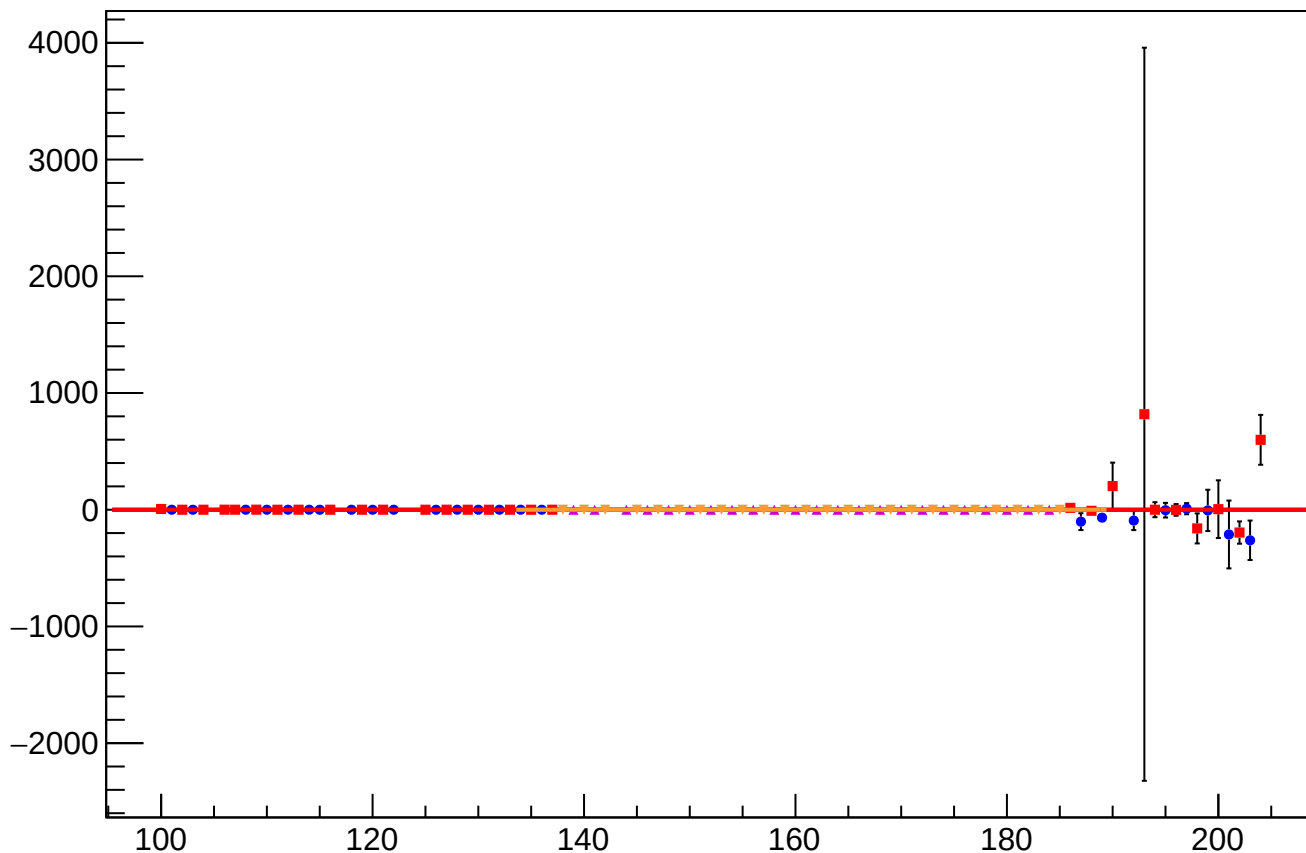
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 56.2/31

All: -0.031 ± 0.013 χ^2/NDF : 169.7/64

- sign -0.009 ± 0.018 χ^2/NDF : 110.7/32

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 ± 0.023 χ^2/NDF : 36.0/23

Left Out: -0.011 ± 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 44.6/27

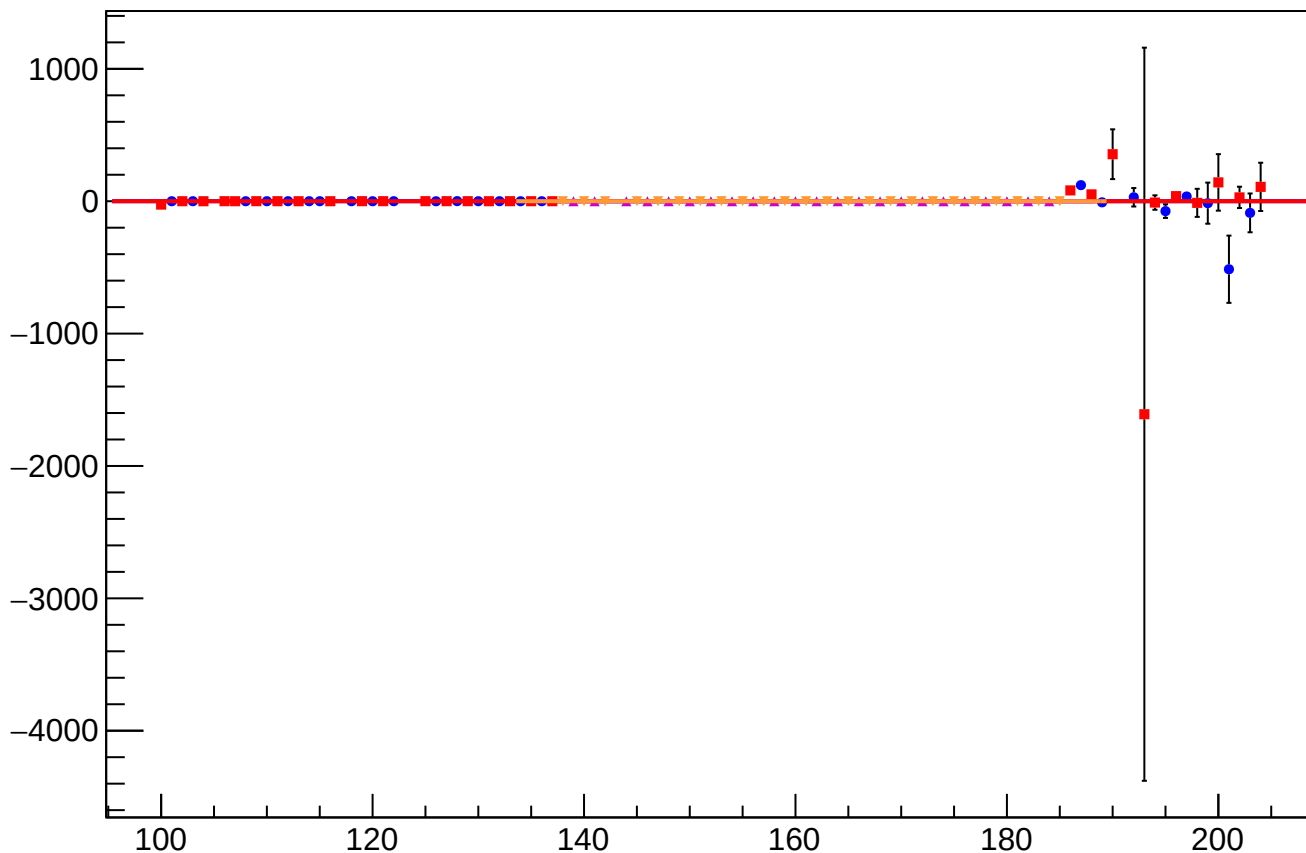
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 66.0/47

All: 0.003 ± 0.009 χ^2/NDF : 162.6/98

- sign 0.013 ± 0.012 χ^2/NDF : 95.4/50

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 49.0/23

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 108.0/27

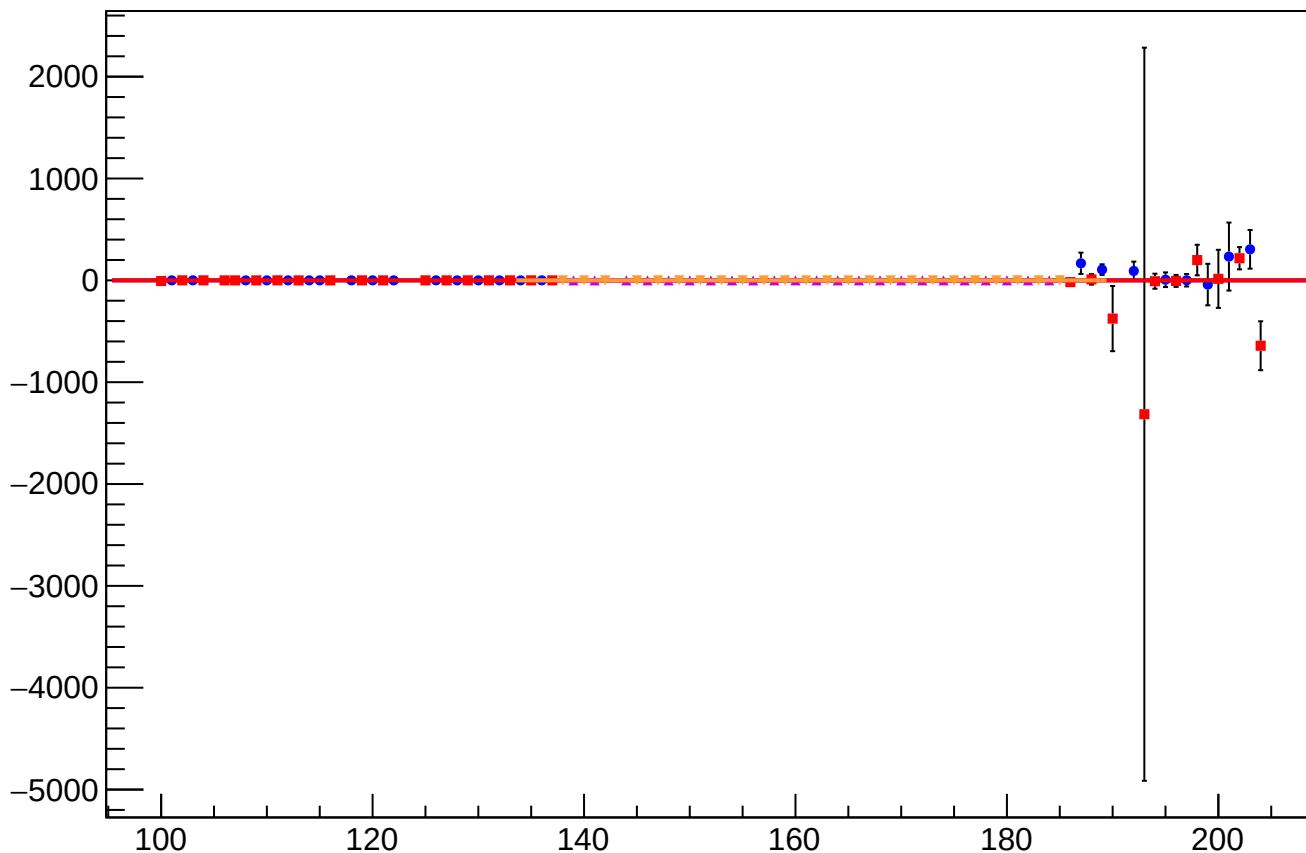
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF:35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2 /NDF: 89.9/47

All: 0.054 $\pm$ 0.012 χ^2 /NDF: 247.7/98

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 157.1/50

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 35.4/23

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 41.3/27

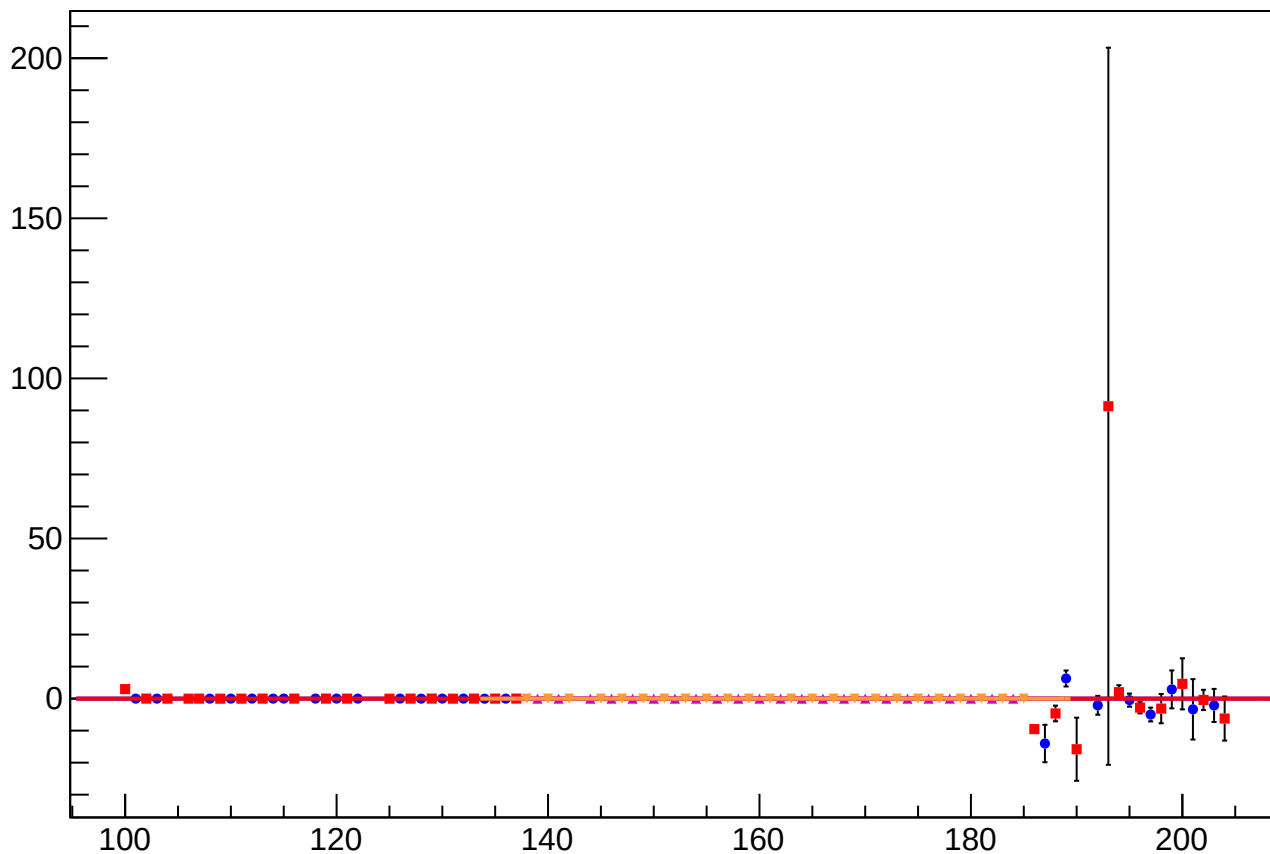
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 69.7/47

All: 0.004 ± 0.010 χ^2/NDF : 164.7/98

- sign -0.007 ± 0.014 χ^2/NDF : 94.0/50

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 45.9/23

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 214.6/27

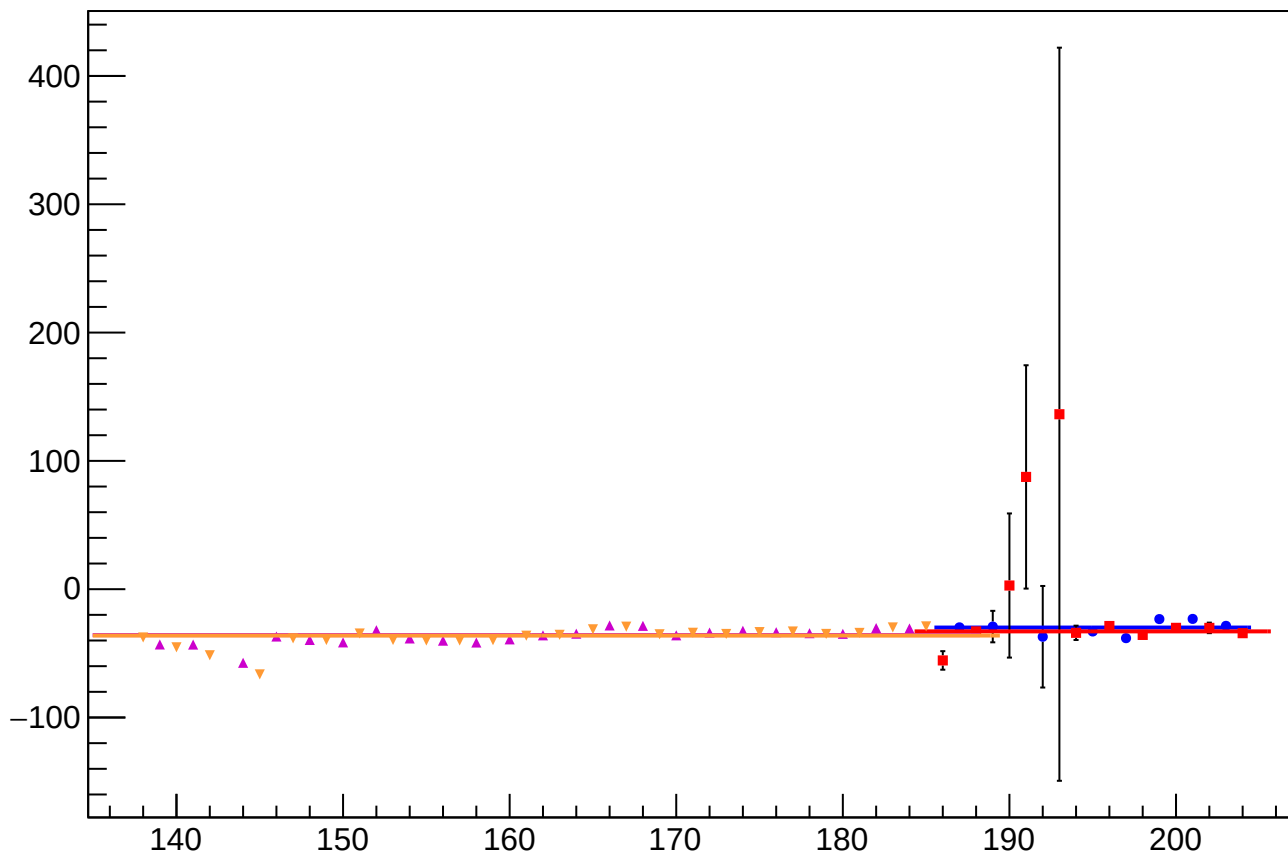
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 79.6/47

All: -0.008 ± 0.000 χ^2/NDF : 334.5/98

- sign -0.008 ± 0.001 χ^2/NDF : 254.8/50

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.897 ± 1.040 χ^2/NDF : 19.4/7

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.884 ± 0.870 χ^2/NDF : 16.9/10

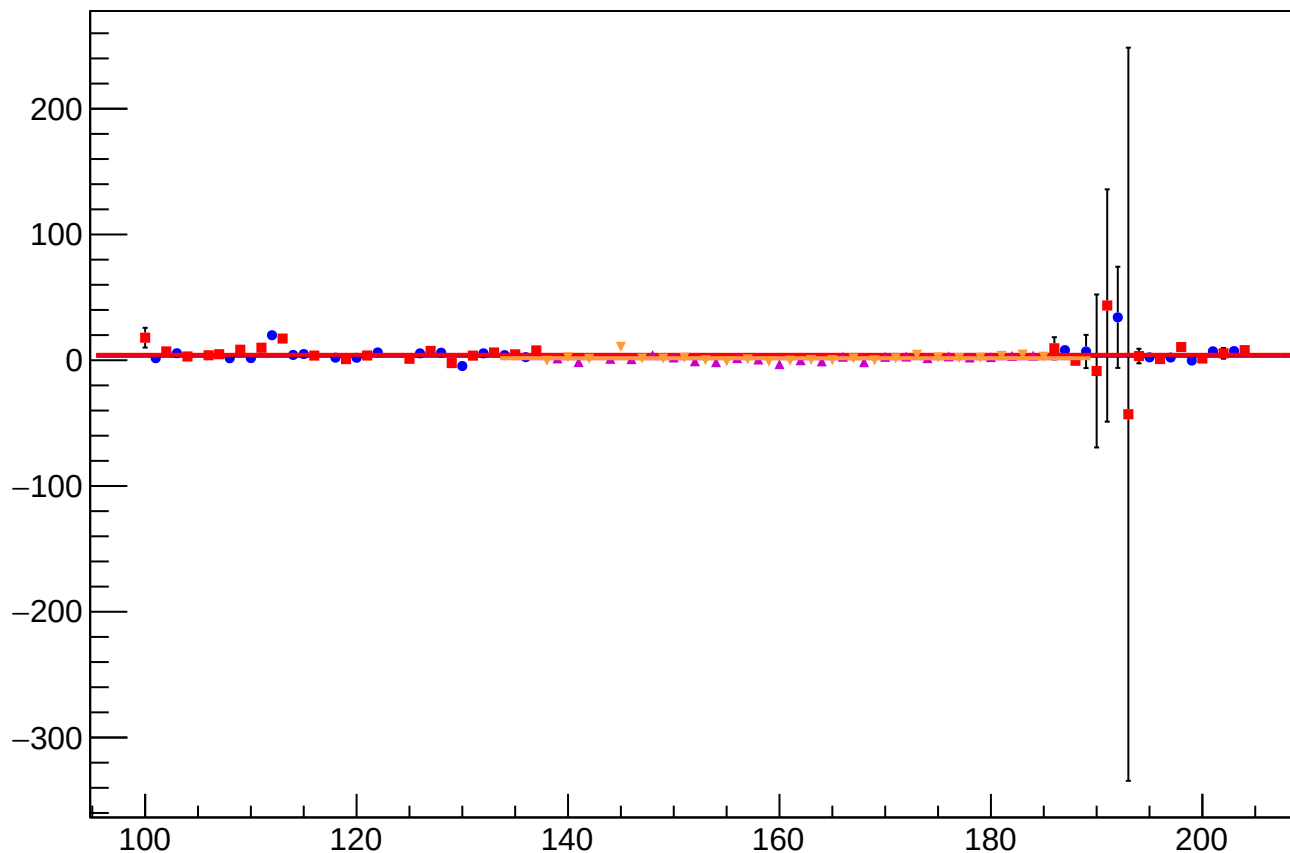
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.915 ± 0.189 χ^2/NDF : 1169.0/31

All: -35.779 ± 0.133 χ^2/NDF : 2051.6/65

- sign -35.646 ± 0.187 χ^2/NDF : 881.6/33

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.576 ± 0.218 χ^2/NDF : 446.8/23

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.325 ± 0.221 χ^2/NDF : 366.6/28

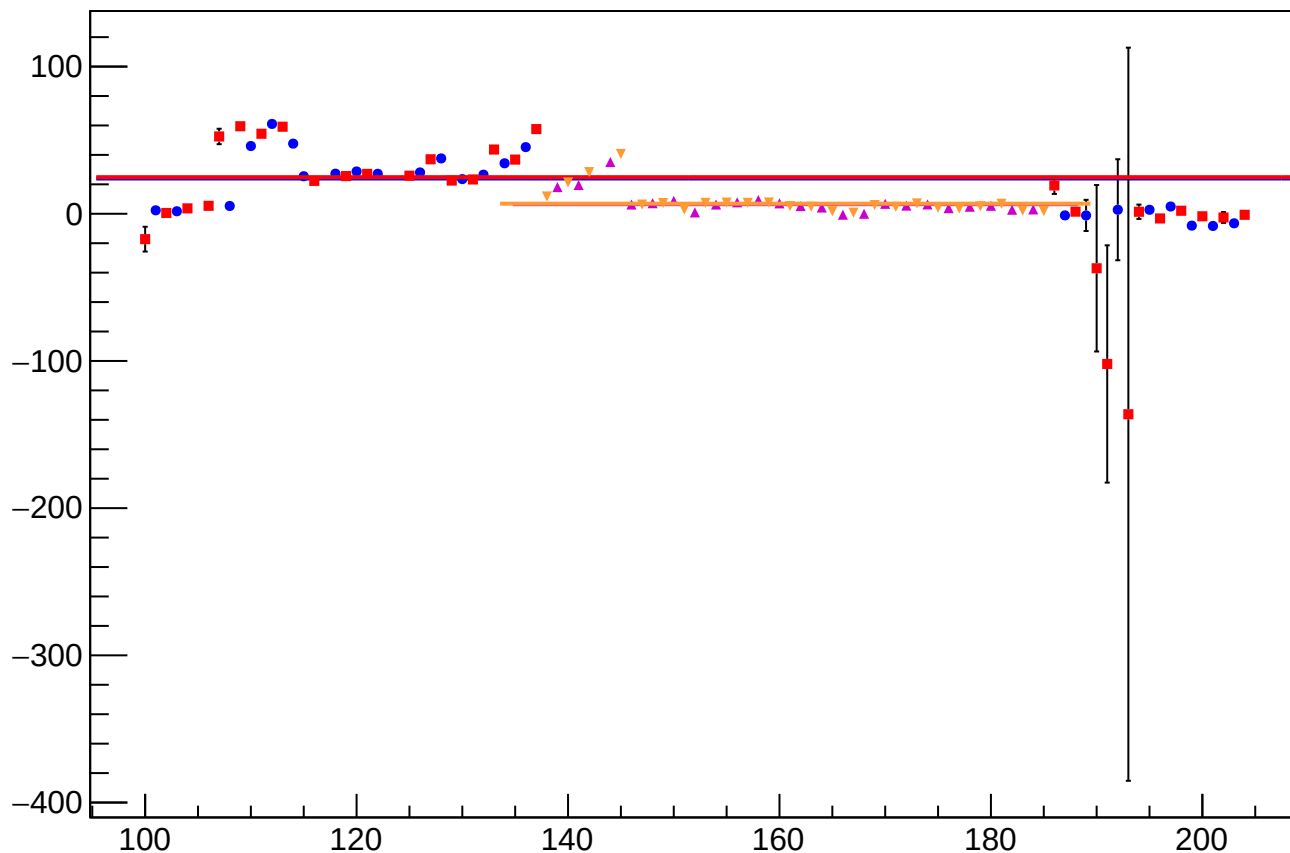
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.247 ± 0.122 χ^2/NDF : 667.8/47

All: 2.364 ± 0.087 χ^2/NDF : 1300.5/99

- sign 2.483 ± 0.124 χ^2/NDF : 630.9/51

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 23.959 $\pm$ 0.381 χ^2 /NDF: 2491.3/23

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF:1295.7/23

Right Out: 24.863 $\pm$ 0.367 χ^2 /NDF: 3093.6/28

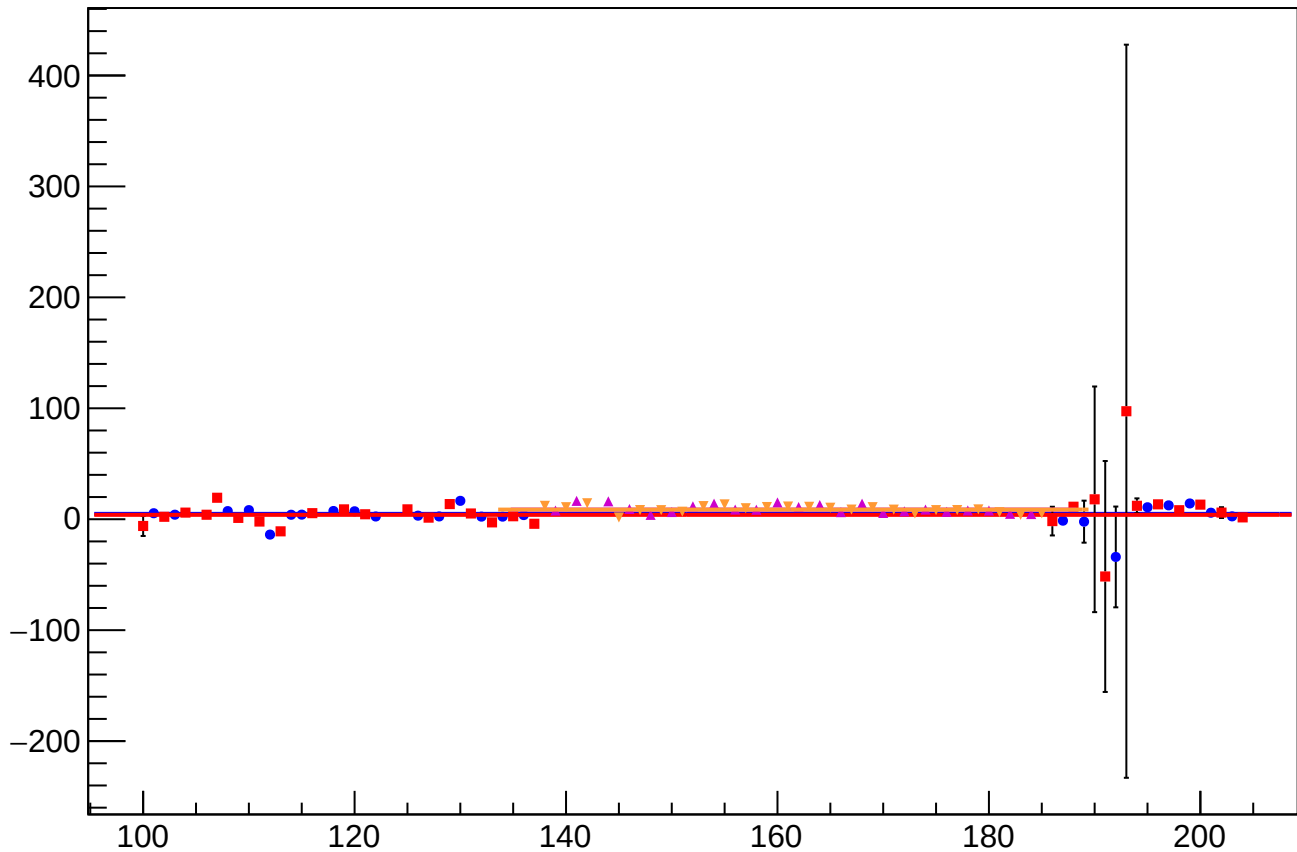
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF:1025.1/22

+ sign 10.308 $\pm$ 0.171 χ^2 /NDF: 5393.2/47

All: 10.362 $\pm$ 0.120 χ^2 /NDF: 11473.1/99

- sign 10.415 $\pm$ 0.169 χ^2 /NDF: 6079.7/51

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.831 ± 0.251 χ^2/NDF : 563.3/23

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.960 ± 0.255 χ^2/NDF : 587.6/28

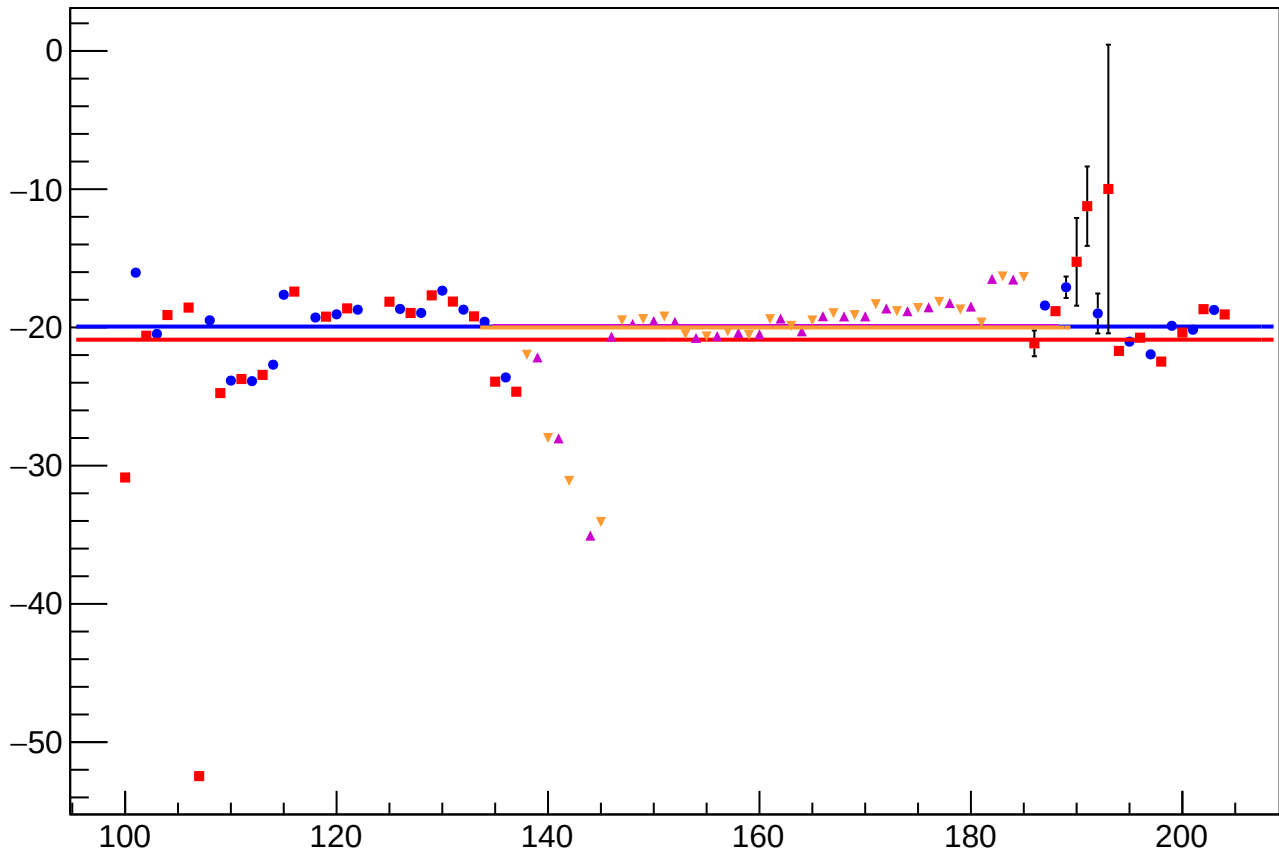
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.491 ± 0.140 χ^2/NDF : 967.1/47

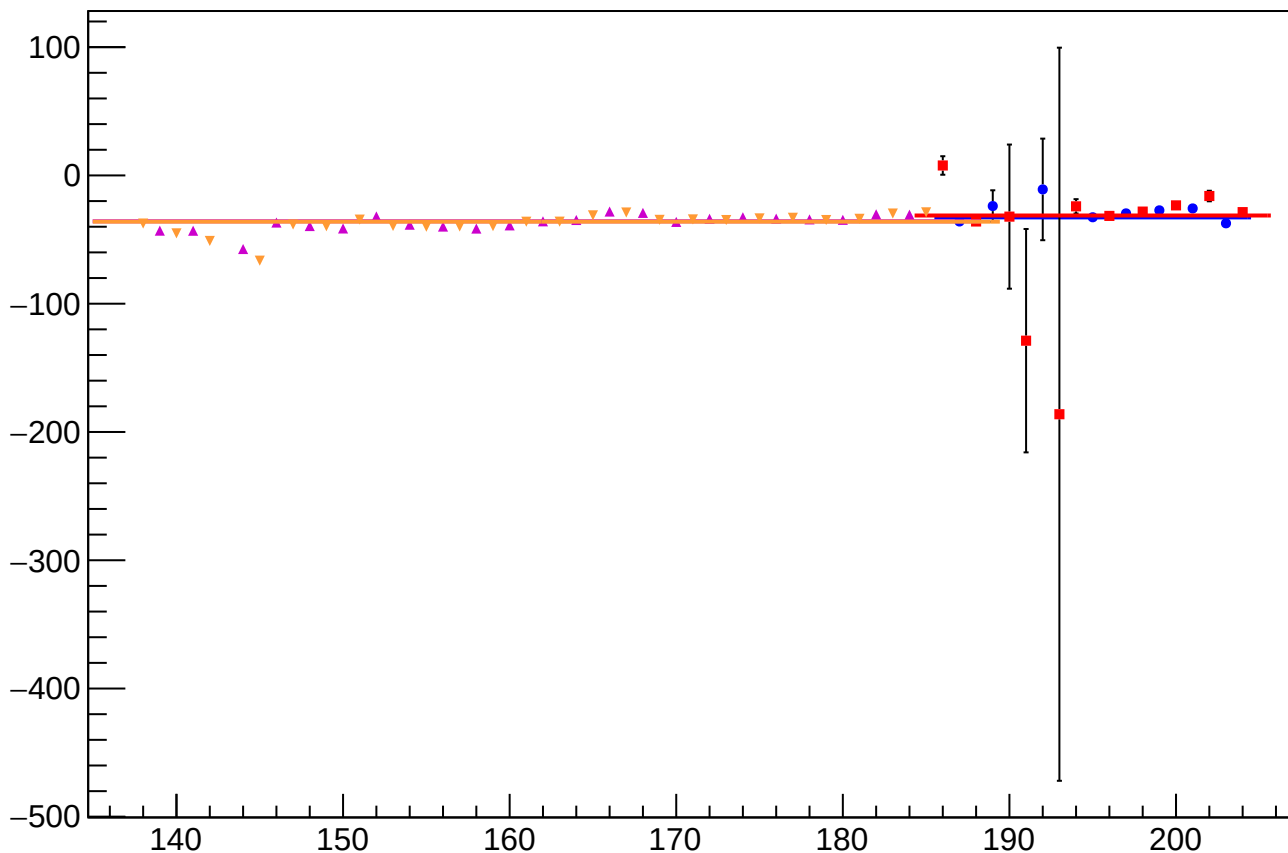
All: 7.356 ± 0.100 χ^2/NDF : 2229.1/99

- sign 7.218 ± 0.142 χ^2/NDF : 1260.1/51

reg_asym_left_avg_diff_bpm12X_slope vs Slug



reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.718 ± 1.043 $\chi^2/\text{NDF}: 16.1/7$

Left Out: -36.031 ± 0.192 $\chi^2/\text{NDF}: 1121.3/23$

Right Out: -31.246 ± 0.872 $\chi^2/\text{NDF}: 69.6/10$

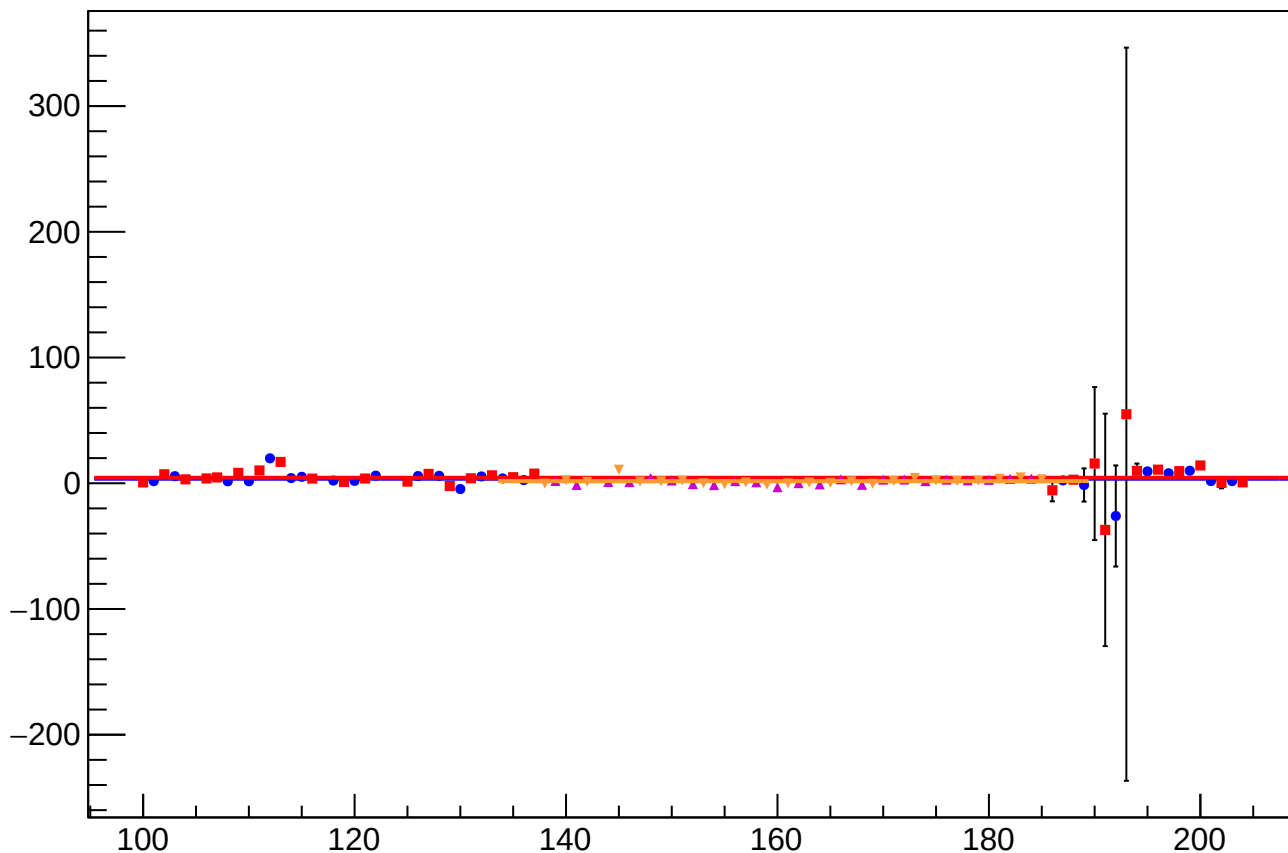
Left In: -35.766 ± 0.191 $\chi^2/\text{NDF}: 842.6/22$

+ sign -35.922 ± 0.189 $\chi^2/\text{NDF}: 1147.1/31$

All: -35.739 ± 0.133 $\chi^2/\text{NDF}: 2086.8/65$

- sign -35.559 ± 0.187 $\chi^2/\text{NDF}: 937.8/33$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.616 ± 0.217 χ^2/NDF : 448.0/23

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.358 ± 0.218 χ^2/NDF : 372.0/28

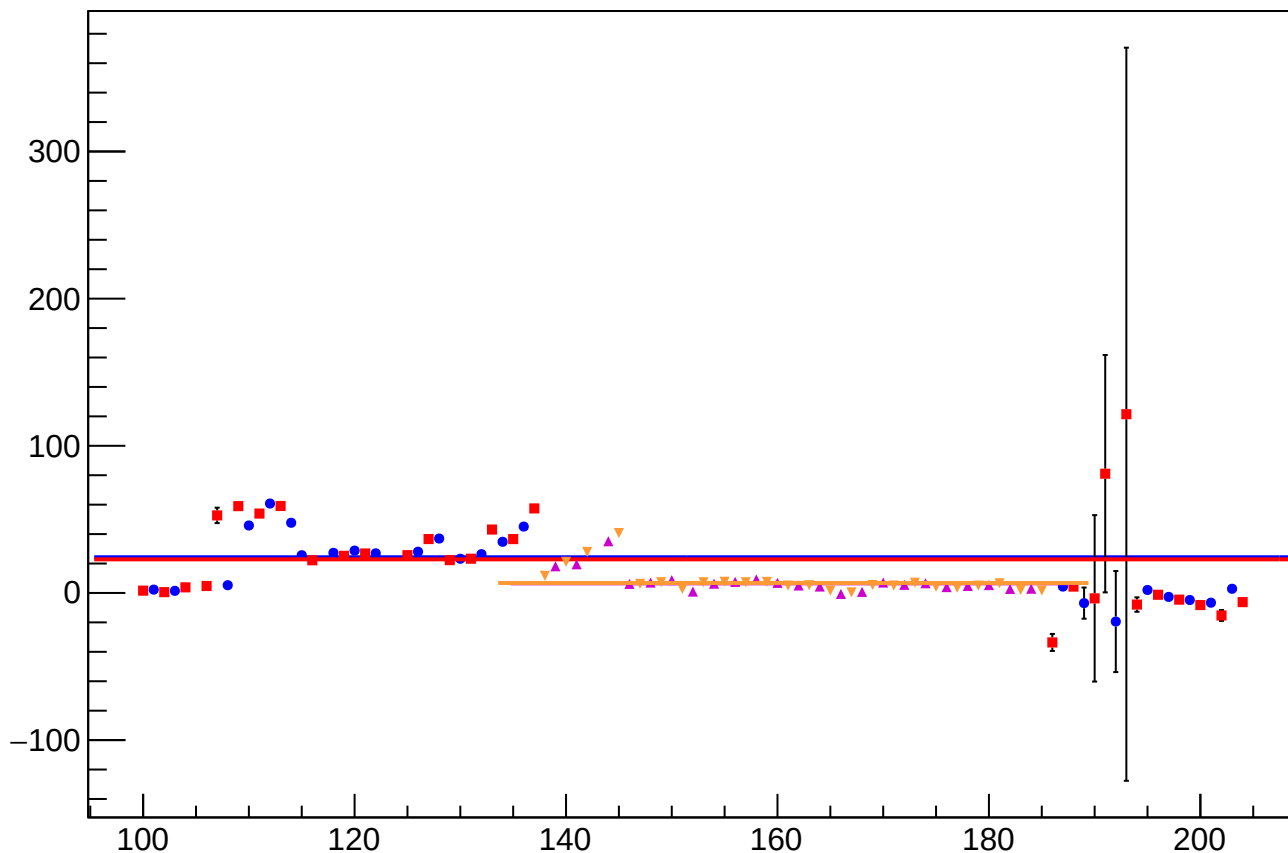
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.321 ± 0.122 χ^2/NDF : 667.9/47

All: 2.437 ± 0.087 χ^2/NDF : 1305.7/99

- sign 2.555 ± 0.123 χ^2/NDF : 636.0/51

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 24.233+/-0.381 χ^2 /NDF: 2333.3/23

Left Out: 6.779+/-0.191 χ^2 /NDF:1297.7/23

Right Out: 22.841+/-0.354 χ^2 /NDF: 3486.8/28

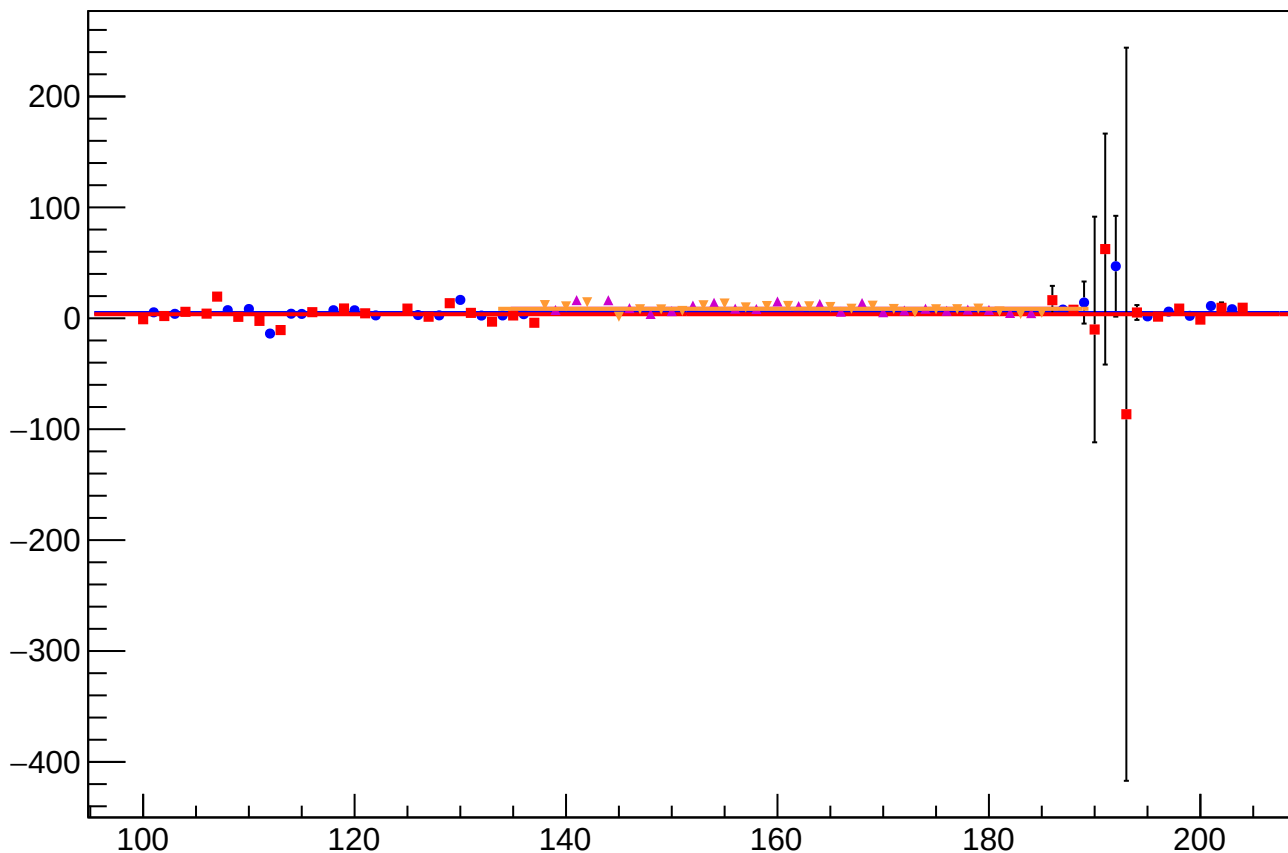
Left In: 6.532+/-0.190 χ^2 /NDF:1018.2/22

+ sign 10.291+/-0.171 χ^2 /NDF: 5306.1/47

All: 10.238+/-0.120 χ^2 /NDF: 11457.6/99

- sign 10.187+/-0.168 χ^2 /NDF: 6151.3/51

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.784 ± 0.251 χ^2/NDF : 549.3/23

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.647 ± 0.251 χ^2/NDF : 581.2/28

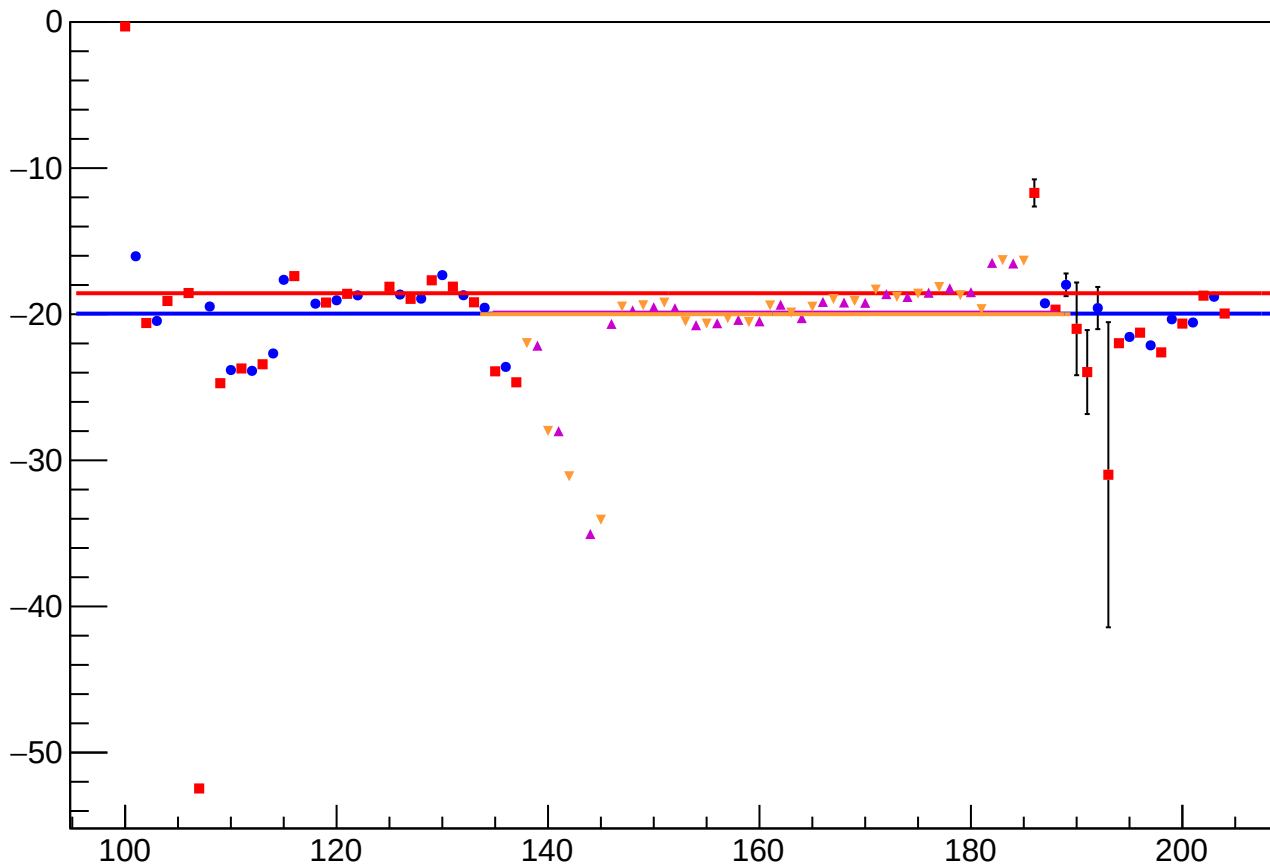
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.401 ± 0.140 χ^2/NDF : 952.6/47

All: 7.216 ± 0.099 χ^2/NDF : 2244.7/99

- sign 7.030 ± 0.141 χ^2/NDF : 1288.6/51

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.958 ± 0.015 χ^2/NDF : 26675.7/23

Left Out: -19.998 ± 0.008 χ^2/NDF : 171944.6/23

Right Out: -18.563 ± 0.014 χ^2/NDF : 303716.5/28

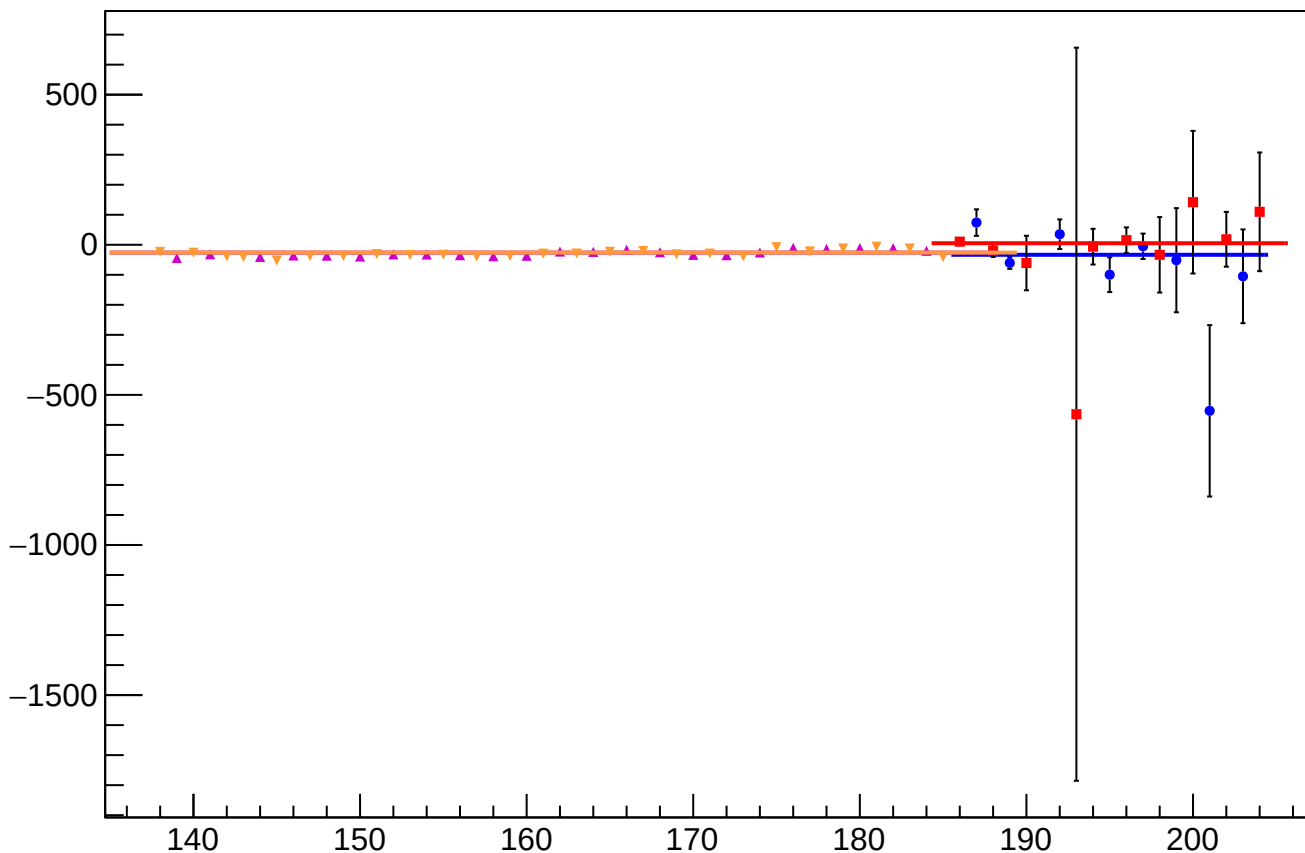
Left In: -19.890 ± 0.008 χ^2/NDF : 144055.2/22

+ sign -19.989 ± 0.007 χ^2/NDF : 198625.8/47

All: -19.781 ± 0.005 χ^2/NDF : 654859.3/99

- sign -19.580 ± 0.007 χ^2/NDF : 454481.4/51

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -33.338 ± 15.048 χ^2/NDF : 15.0/7

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 5.194 ± 8.251 χ^2/NDF : 3.3/9

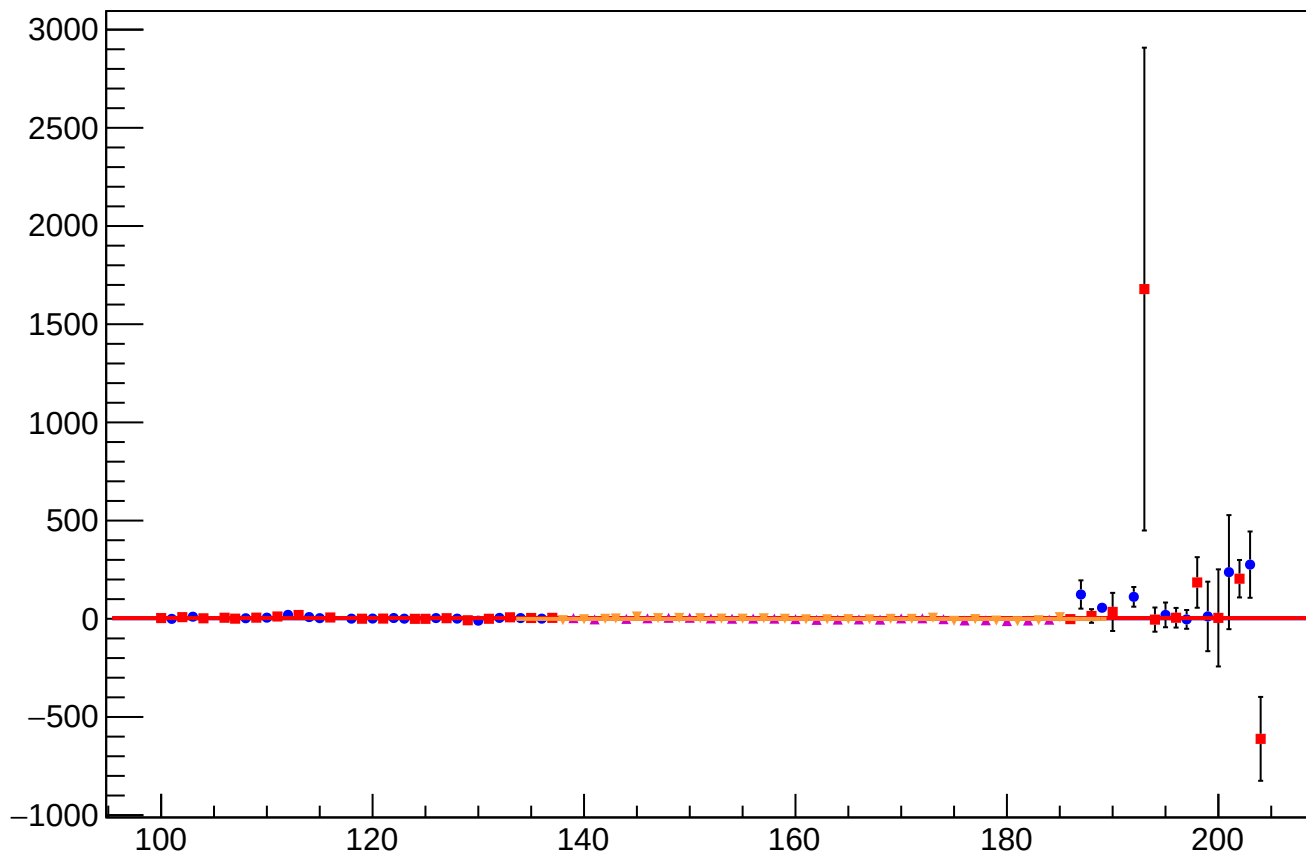
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.886 ± 0.192 χ^2/NDF : 4173.2/32

All: -25.959 ± 0.137 χ^2/NDF : 7470.6/65

- sign -26.035 ± 0.195 χ^2/NDF : 3297.1/32

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.473 ± 0.315 χ^2/NDF : 310.9/24

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.713 ± 0.327 χ^2/NDF : 286.1/28

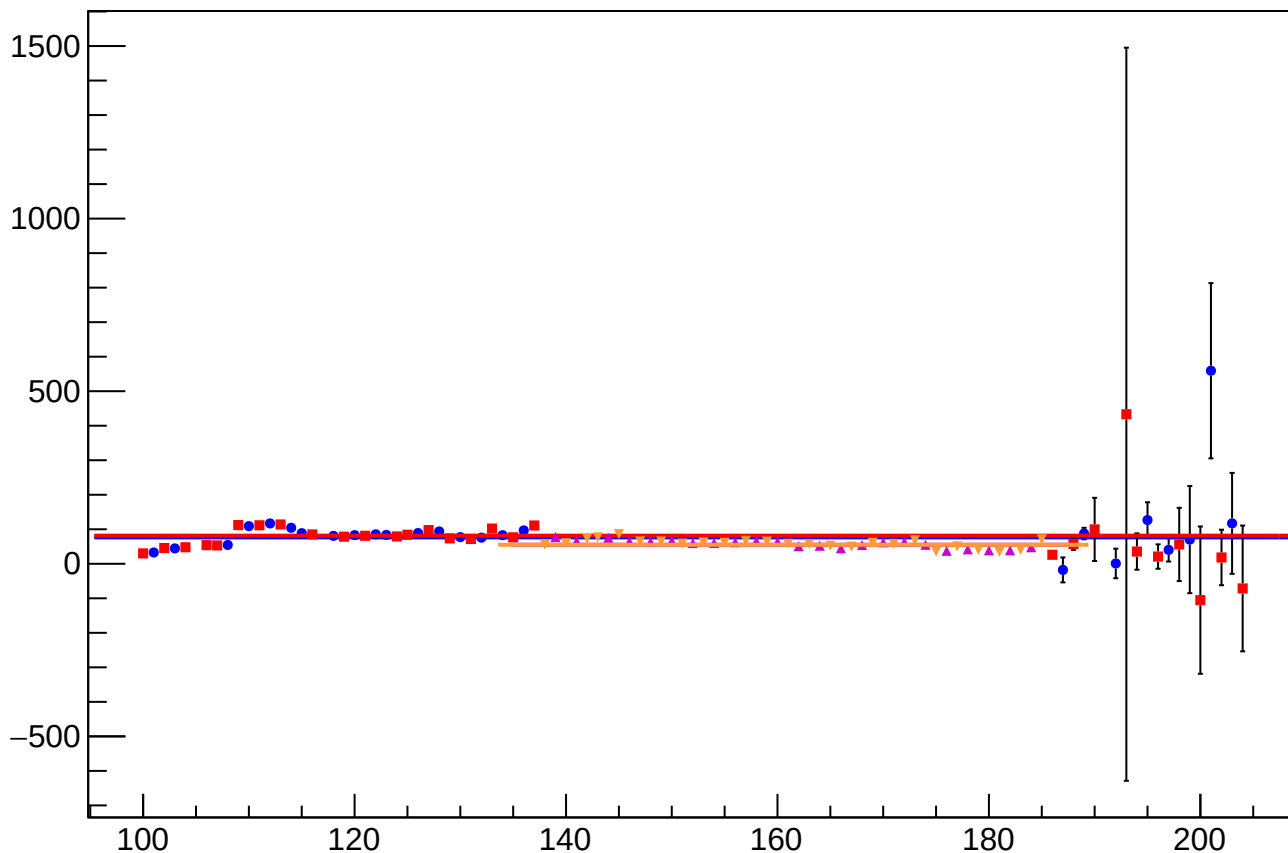
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.099 ± 0.133 χ^2/NDF : 1713.0/49

All: -0.081 ± 0.095 χ^2/NDF : 3227.5/101

- sign -0.062 ± 0.137 χ^2/NDF : 1514.5/51

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.529 $\pm$ 0.576 χ^2 /NDF: 2268.9/24

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.488 $\pm$ 0.591 χ^2 /NDF: 1632.6/28

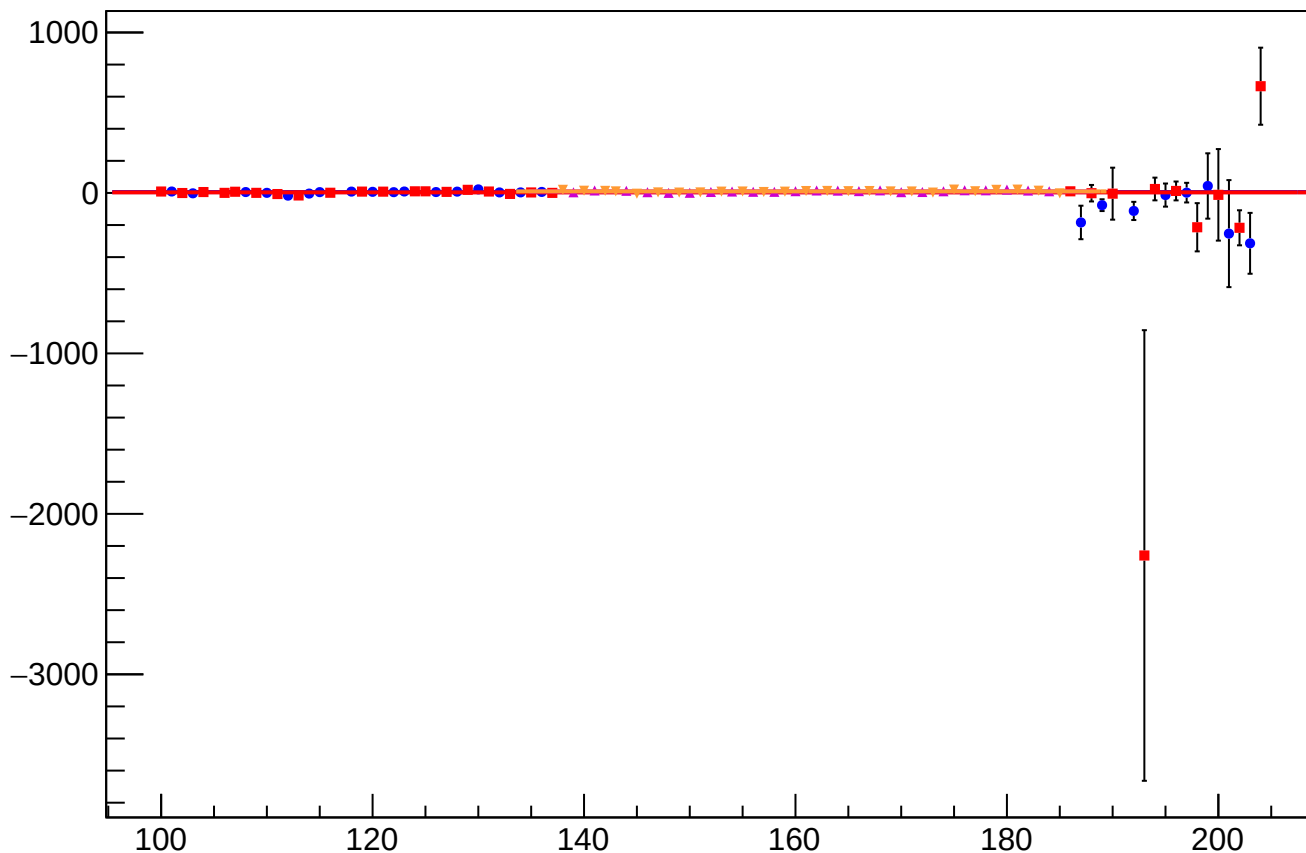
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.229 $\pm$ 0.182 χ^2 /NDF: 8093.6/49

All: 57.427 $\pm$ 0.129 χ^2 /NDF: 15238.7/101

- sign 57.630 $\pm$ 0.184 χ^2 /NDF: 7142.6/51

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.411 ± 0.361 χ^2/NDF : 401.7/24

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.583 ± 0.375 χ^2/NDF : 438.2/28

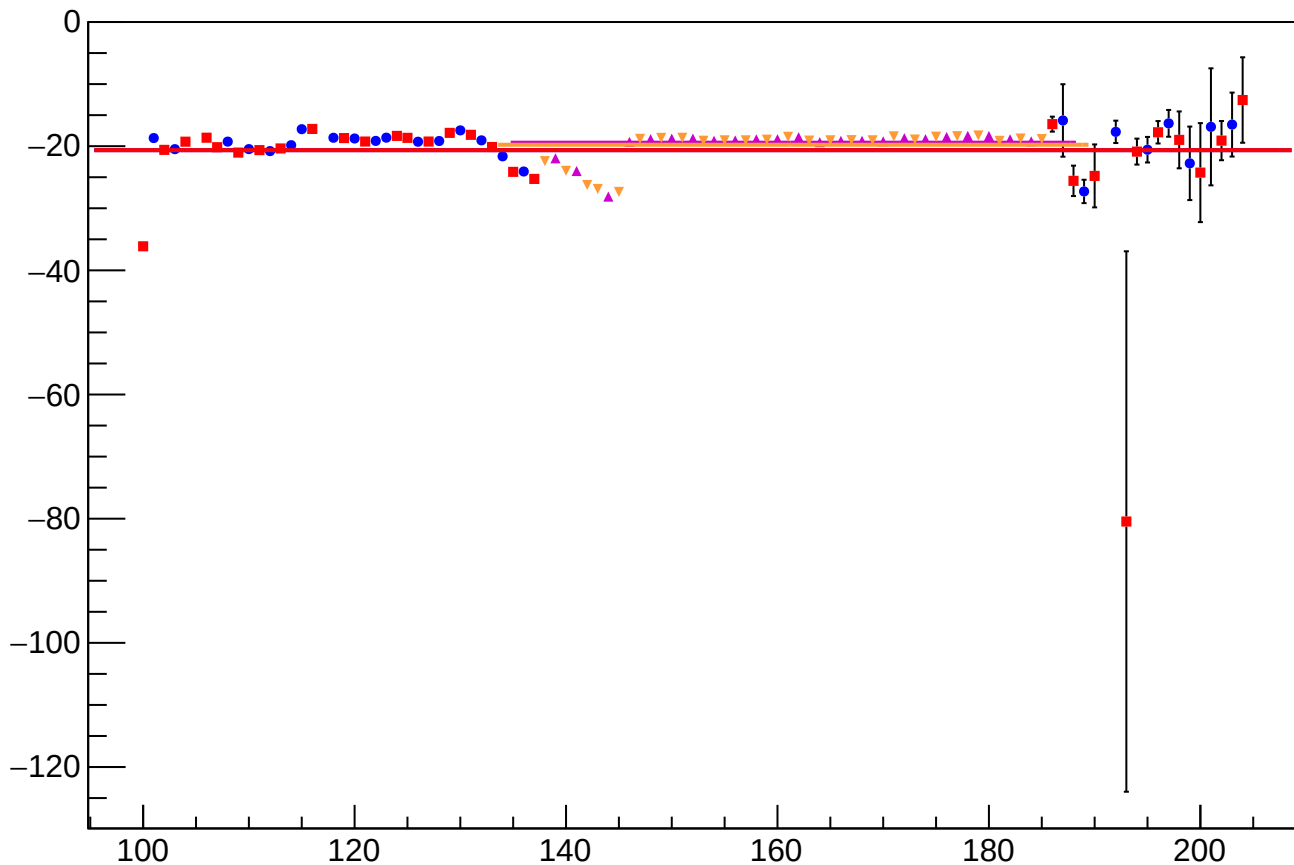
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 ± 0.152 χ^2/NDF : 1970.1/49

All: 8.851 ± 0.109 χ^2/NDF : 3795.3/101

- sign 8.728 ± 0.156 χ^2/NDF : 1824.0/51

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12444.9/24$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.639 ± 0.019 $\chi^2/\text{NDF}: 13809.1/28$

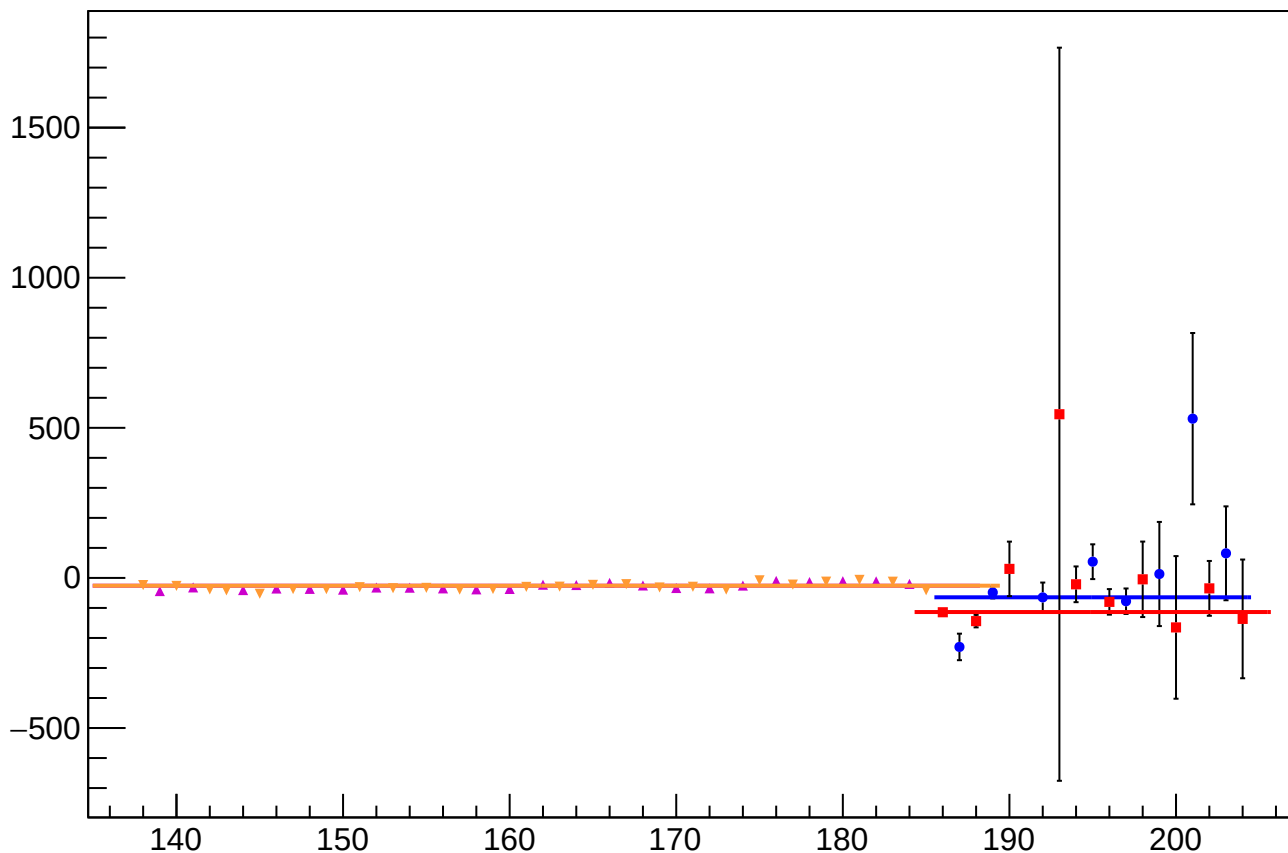
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105823.6/49$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176830.9/101$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70255.0/51$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -64.552 ± 15.061 χ^2/NDF : 24.4/7

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -113.624 ± 8.257 χ^2/NDF : 9.5/9

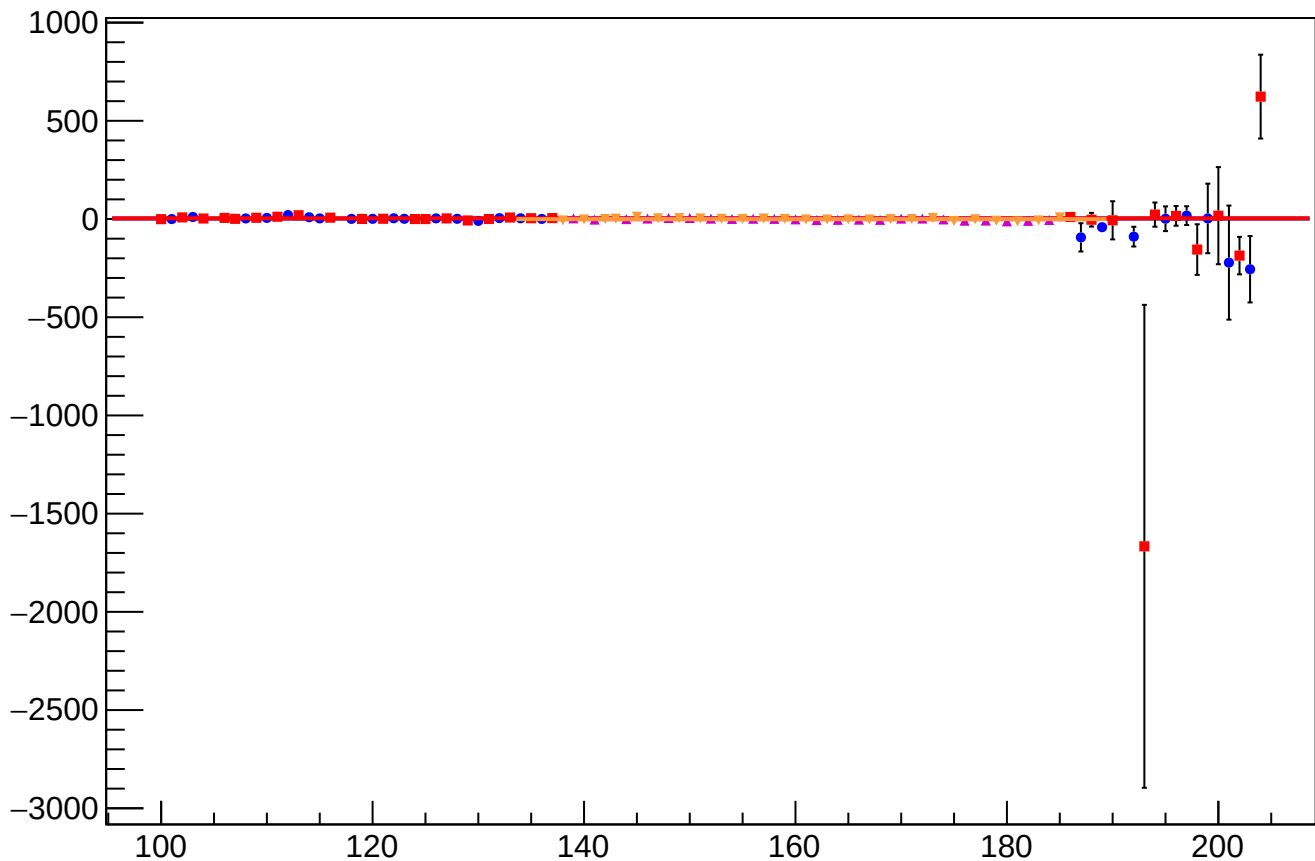
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4158.5/32

All: -25.999 ± 0.137 χ^2/NDF : 7527.7/65

- sign -26.095 ± 0.195 χ^2/NDF : 3368.7/32

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.441 ± 0.315 χ^2/NDF : 304.3/24

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.595 ± 0.318 χ^2/NDF : 296.3/28

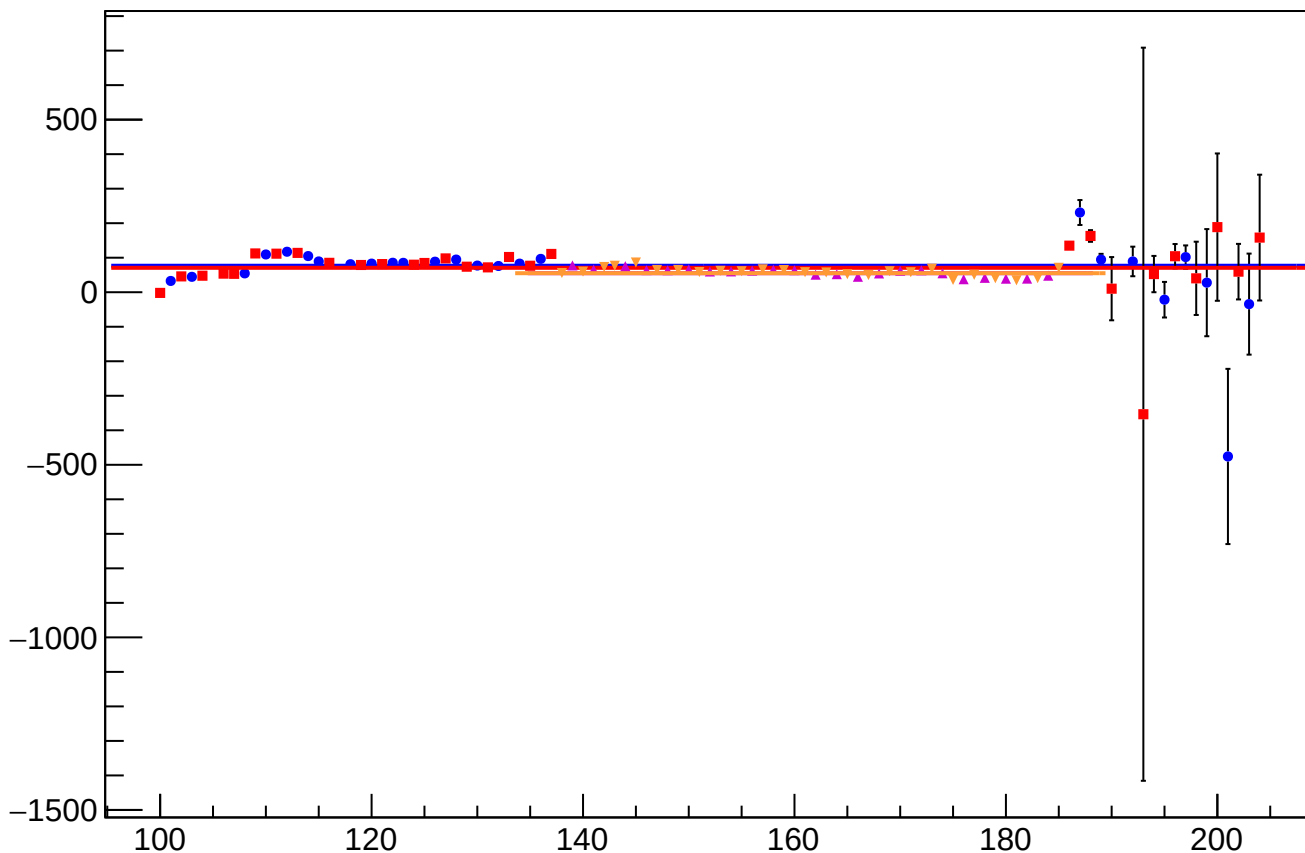
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1691.5/49

All: -0.025 ± 0.095 χ^2/NDF : 3250.0/101

- sign 0.009 ± 0.136 χ^2/NDF : 1558.3/51

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.727 $\pm$ 0.577 χ^2 /NDF: 2293.9/24

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.756 $\pm$ 0.549 χ^2 /NDF: 4491.4/28

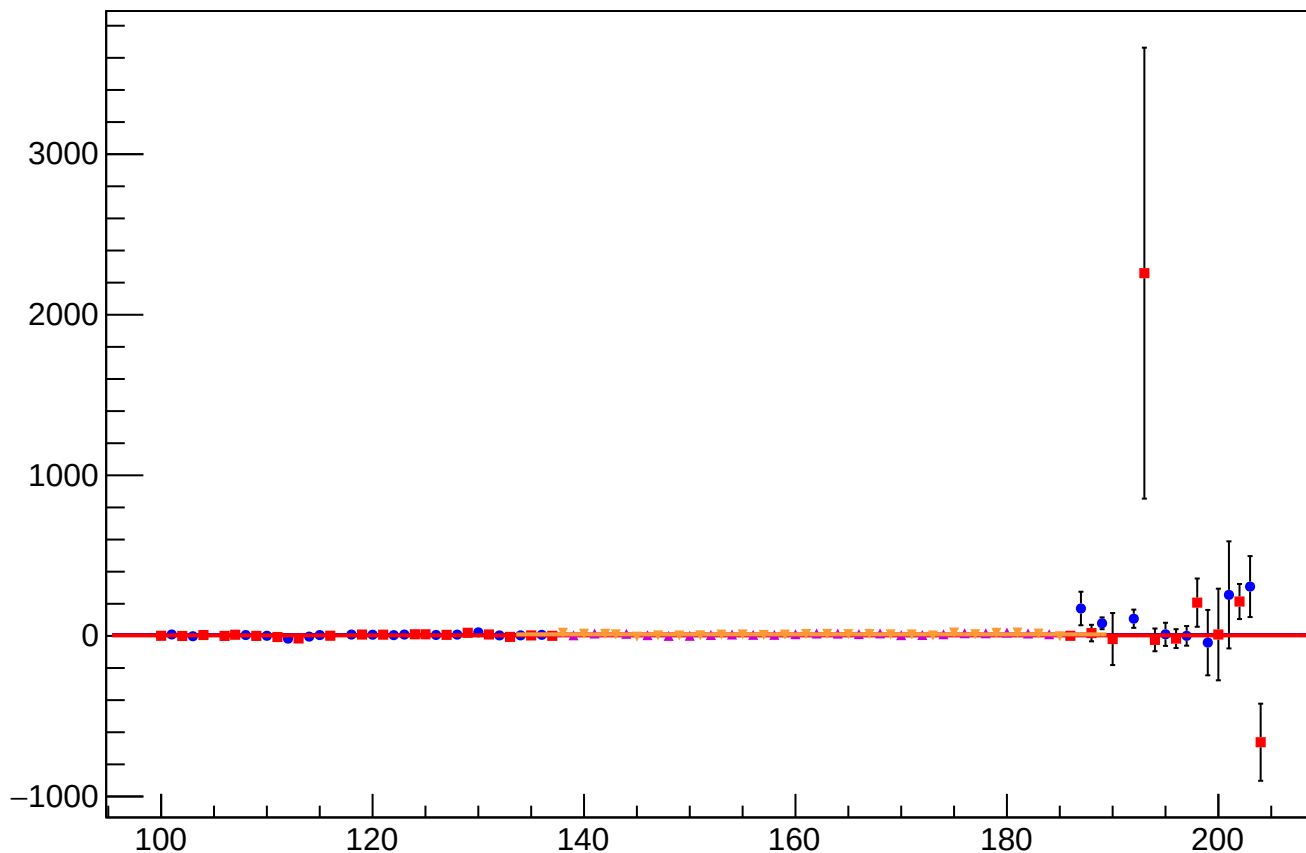
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.260 $\pm$ 0.182 χ^2 /NDF: 8119.7/49

All: 57.045 $\pm$ 0.129 χ^2 /NDF: 17003.1/101

- sign 56.828 $\pm$ 0.183 χ^2 /NDF: 8880.6/51

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.443 ± 0.361 χ^2/NDF : 397.0/24

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.280 ± 0.365 χ^2/NDF : 441.3/28

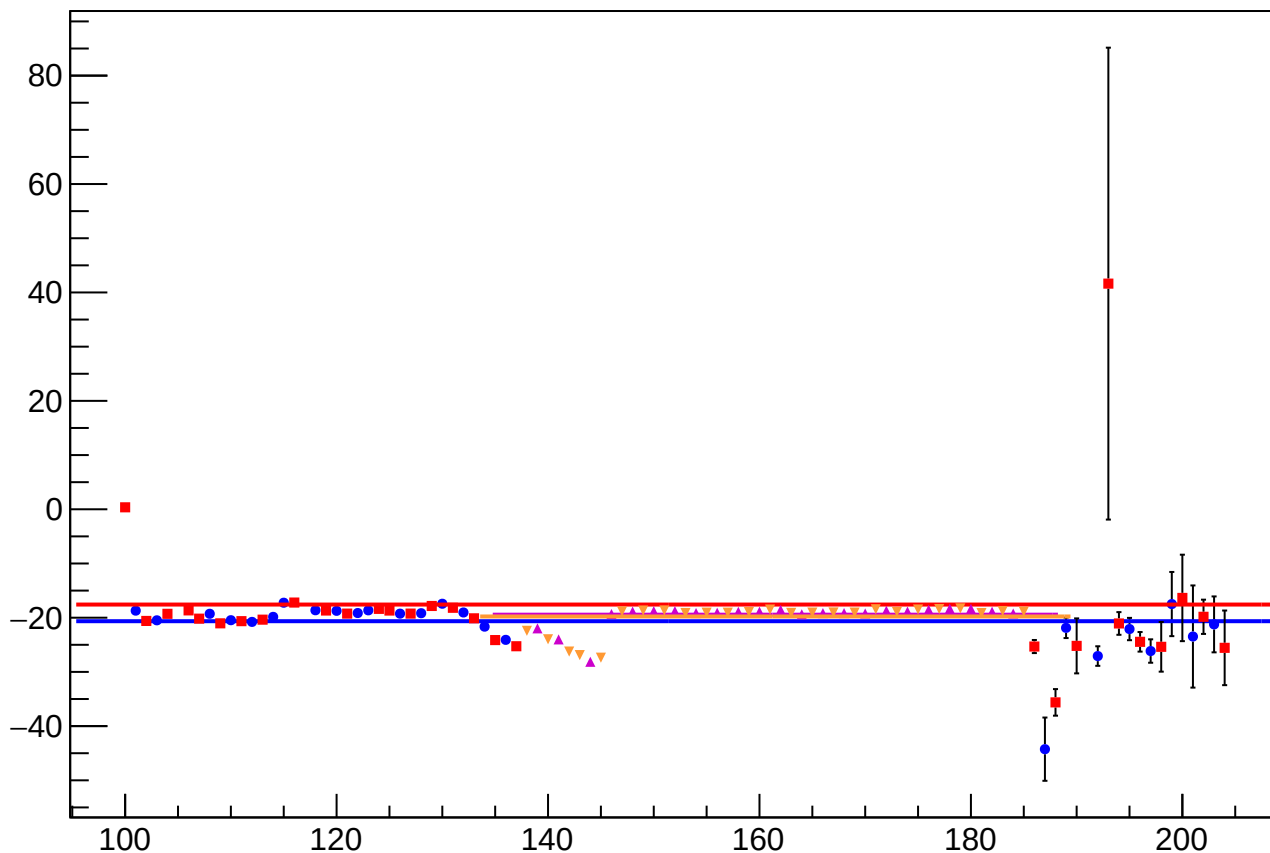
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1951.4/49

All: 8.750 ± 0.109 χ^2/NDF : 3842.1/101

- sign 8.569 ± 0.155 χ^2/NDF : 1888.1/51

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 $\chi^2/\text{NDF}: 12499.6/24$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.575 ± 0.018 $\chi^2/\text{NDF}: 178439.6/28$

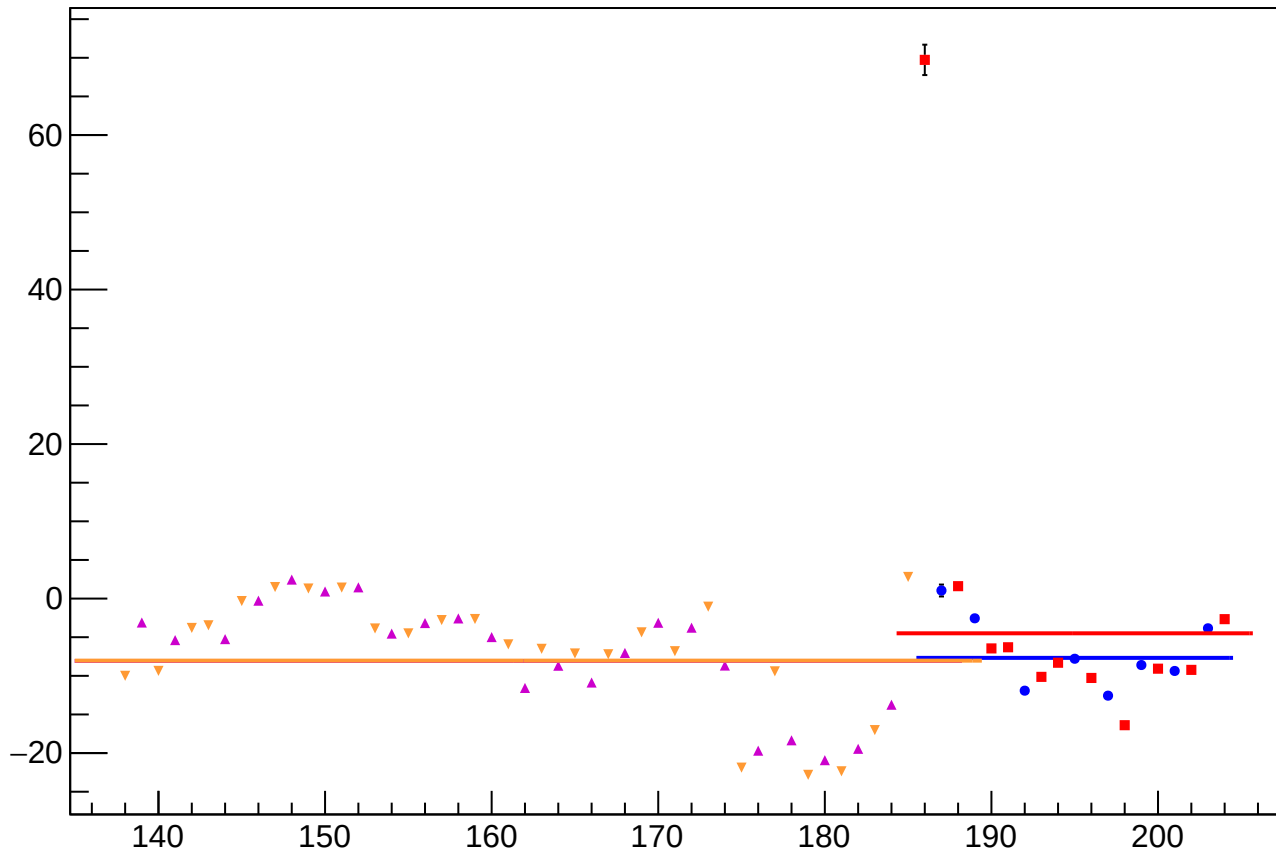
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ sign -19.899 ± 0.007 $\chi^2/\text{NDF}: 105749.2/49$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351714.0/101$

- sign -19.140 ± 0.007 $\chi^2/\text{NDF}: 240553.1/51$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -7.674 ± 0.147 $\chi^2/\text{NDF}: 728.9/7$

Left Out: -8.034 ± 0.070 $\chi^2/\text{NDF}: 12568.0/24$

Right Out: -4.495 ± 0.113 $\chi^2/\text{NDF}: 3923.9/10$

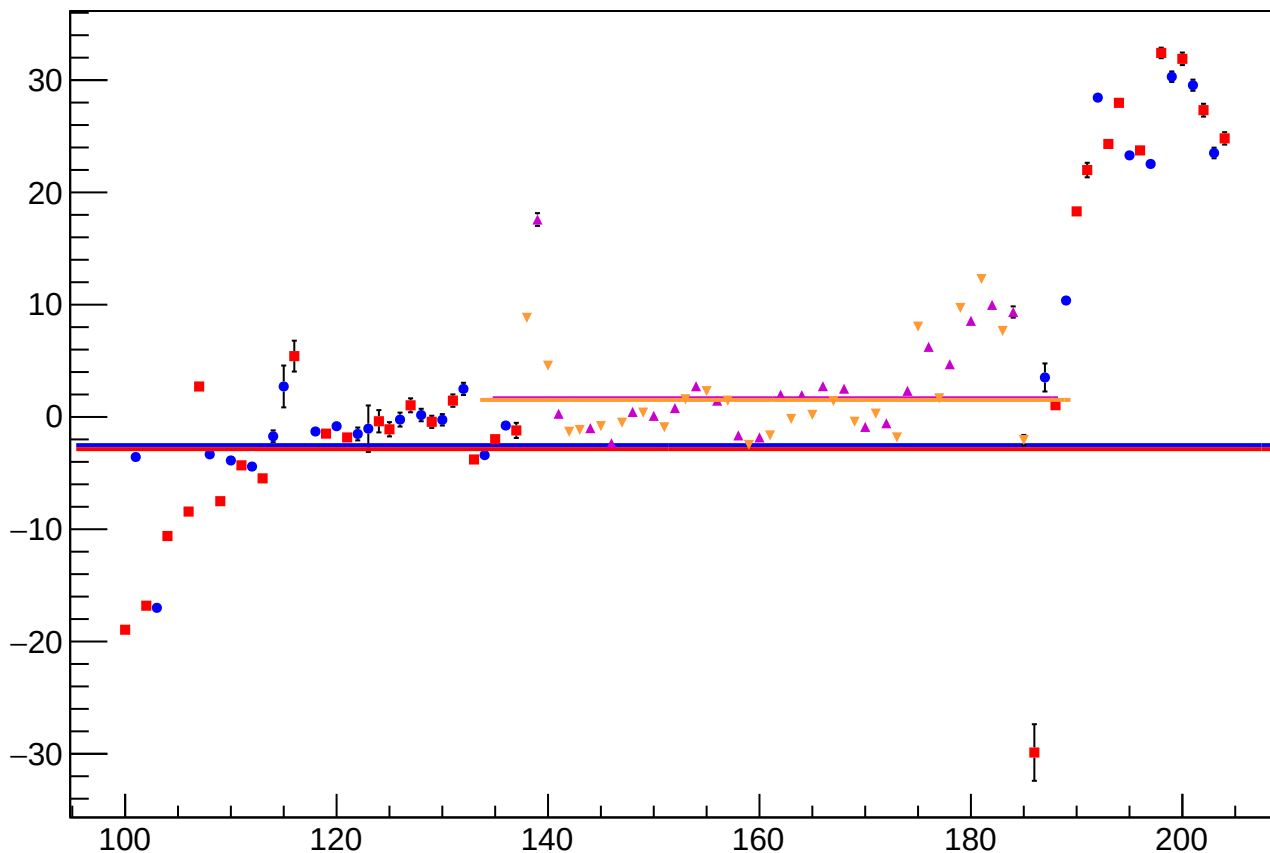
Left In: -8.078 ± 0.072 $\chi^2/\text{NDF}: 10541.6/22$

+ sign -7.967 ± 0.063 $\chi^2/\text{NDF}: 13301.8/32$

All: -7.486 ± 0.044 $\chi^2/\text{NDF}: 28592.0/66$

- sign -7.046 ± 0.061 $\chi^2/\text{NDF}: 15180.1/33$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -2.511 ± 0.052 χ^2/NDF : 38893.7/24

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -2.867 ± 0.054 χ^2/NDF : 51240.7/29

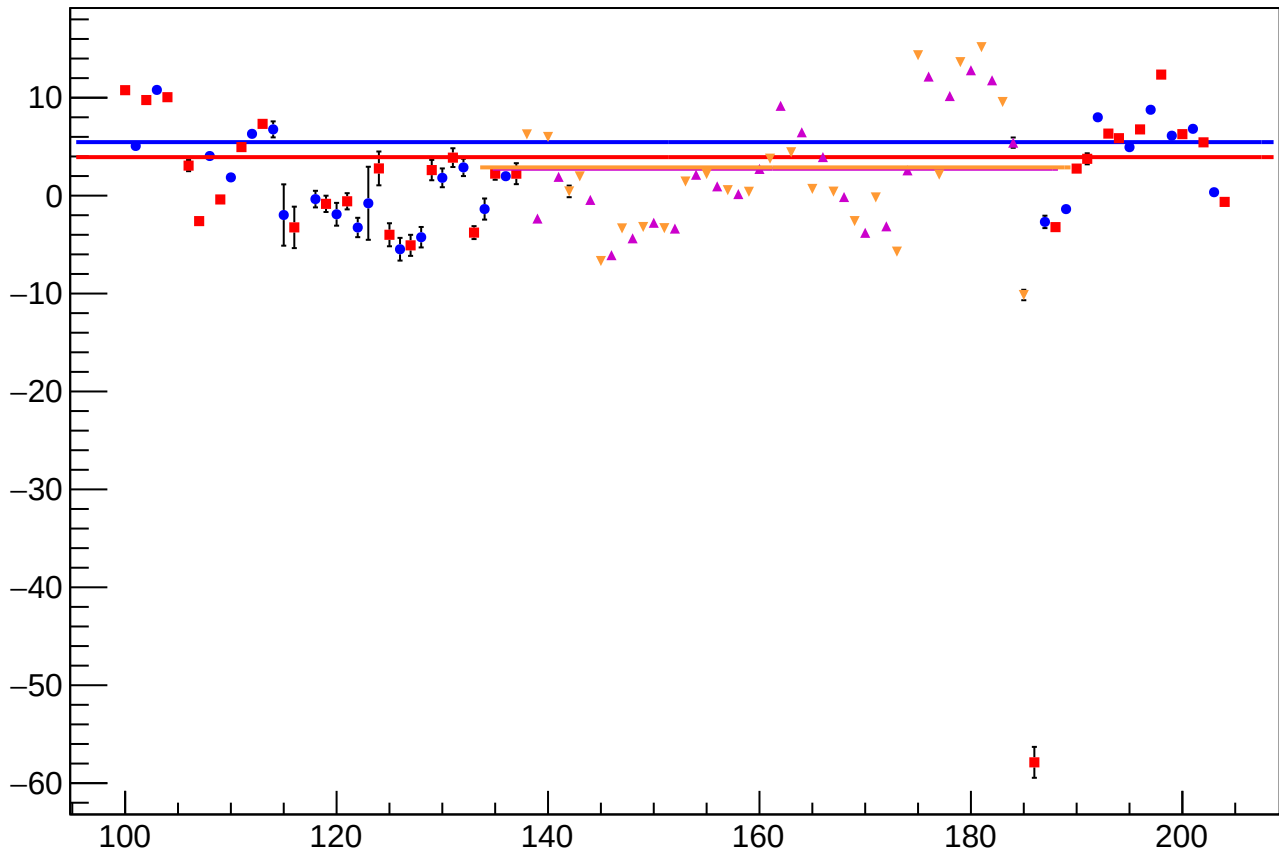
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -0.585 ± 0.038 χ^2/NDF : 46608.6/49

All: -0.640 ± 0.027 χ^2/NDF : 105231.7/102

- sign -0.700 ± 0.039 χ^2/NDF : 58618.5/52

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.465 ± 0.074 χ^2/NDF : 2374.0/24

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.932 ± 0.068 χ^2/NDF : 7777.0/29

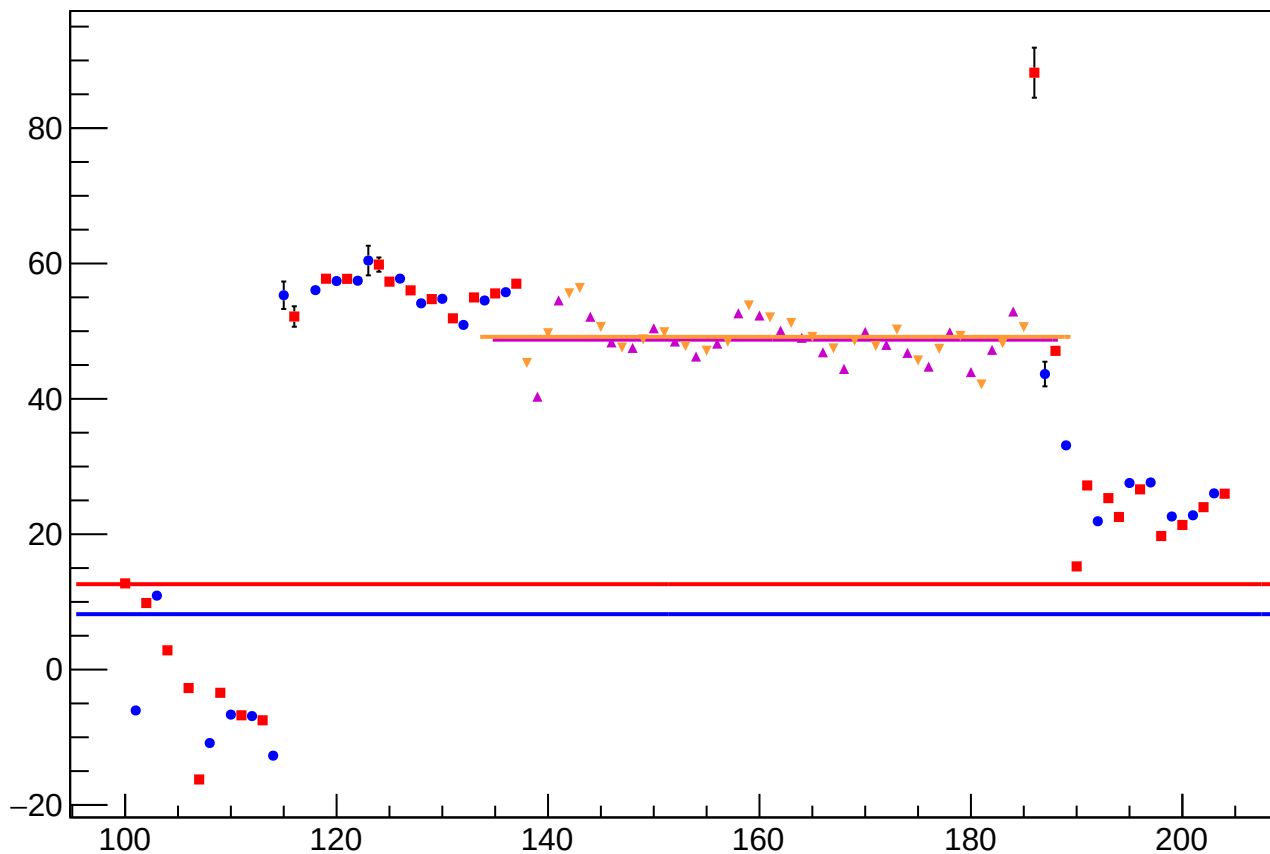
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 4.108 ± 0.051 χ^2/NDF : 11906.8/49

All: 3.726 ± 0.035 χ^2/NDF : 27120.8/102

- sign 3.370 ± 0.049 χ^2/NDF : 15105.4/52

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 8.188 ± 0.062 χ^2/NDF : 130164.3/24

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 12.618 ± 0.064 χ^2/NDF : 134499.9/29

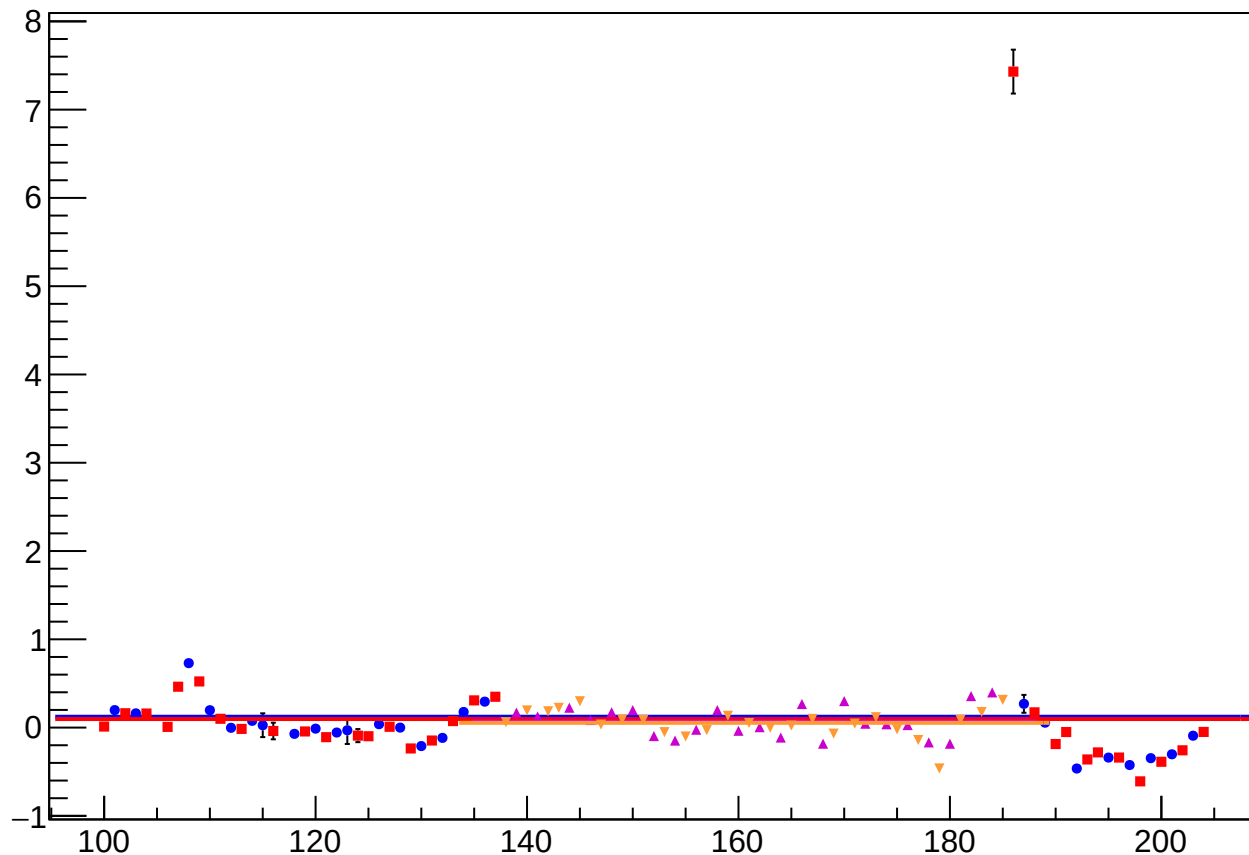
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.599 ± 0.044 χ^2/NDF : 353475.8/49

All: 29.696 ± 0.031 χ^2/NDF : 650066.0/102

- sign 30.885 ± 0.045 χ^2/NDF : 295269.1/52

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.123+/-0.003 χ^2/NDF : 10946.6/24

Left Out: 0.054+/-0.003 χ^2/NDF : 2379.8/24

Right Out: 0.097+/-0.002 χ^2/NDF : 10609.8/29

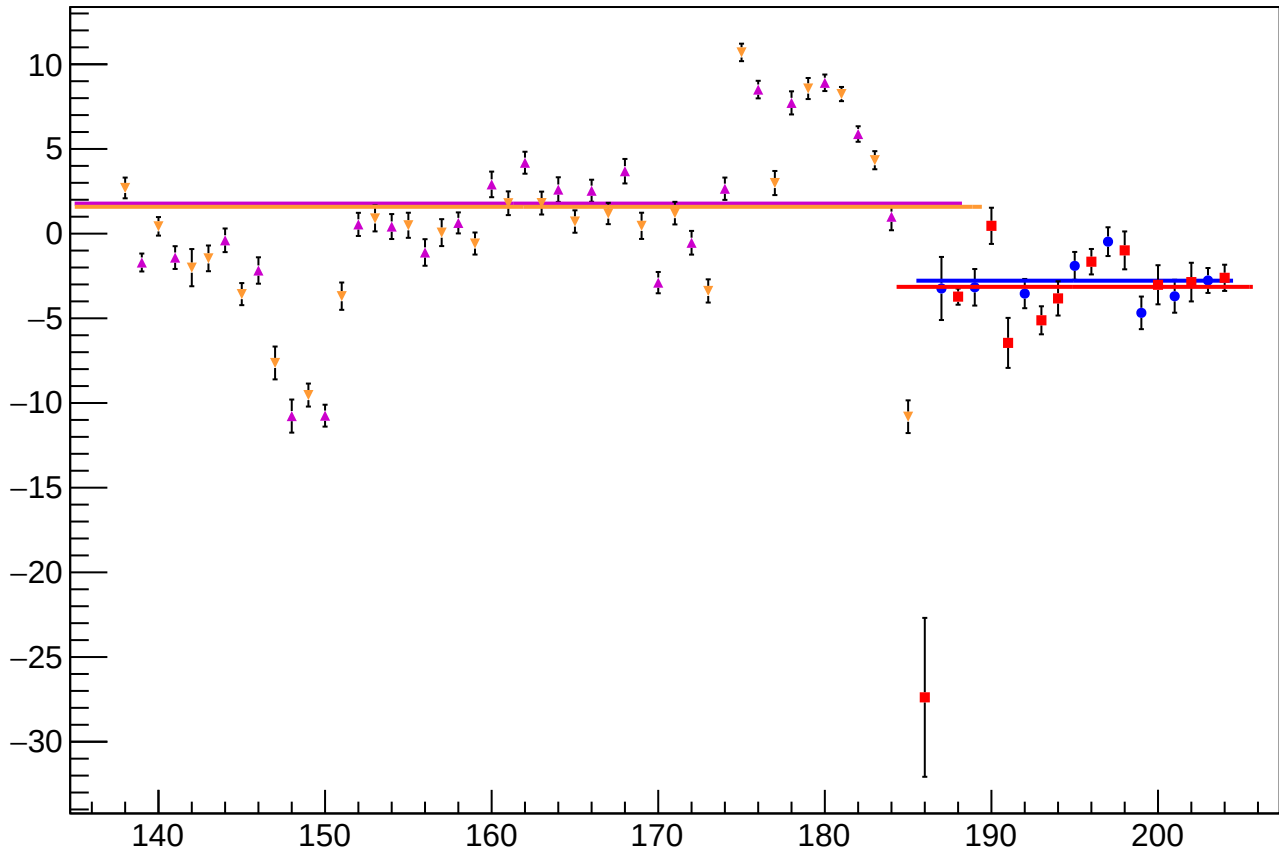
Left In: 0.070+/-0.003 χ^2/NDF : 3233.8/22

+ sign 0.092+/-0.002 χ^2/NDF : 13656.7/49

All: 0.089+/-0.001 χ^2/NDF : 27556.8/102

- sign 0.086+/-0.002 χ^2/NDF : 13894.2/52

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.779 ± 0.327 χ^2/NDF : 14.2/7

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.143 ± 0.268 χ^2/NDF : 58.8/10

Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.968 ± 0.123 χ^2/NDF : 1625.7/32

All: 0.869 ± 0.086 χ^2/NDF : 3252.0/66

- sign 0.774 ± 0.121 χ^2/NDF : 1625.1/33

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -67.525 ± 0.192 χ^2/NDF : 6374.3/24

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -67.420 ± 0.177 χ^2/NDF : 9452.5/29

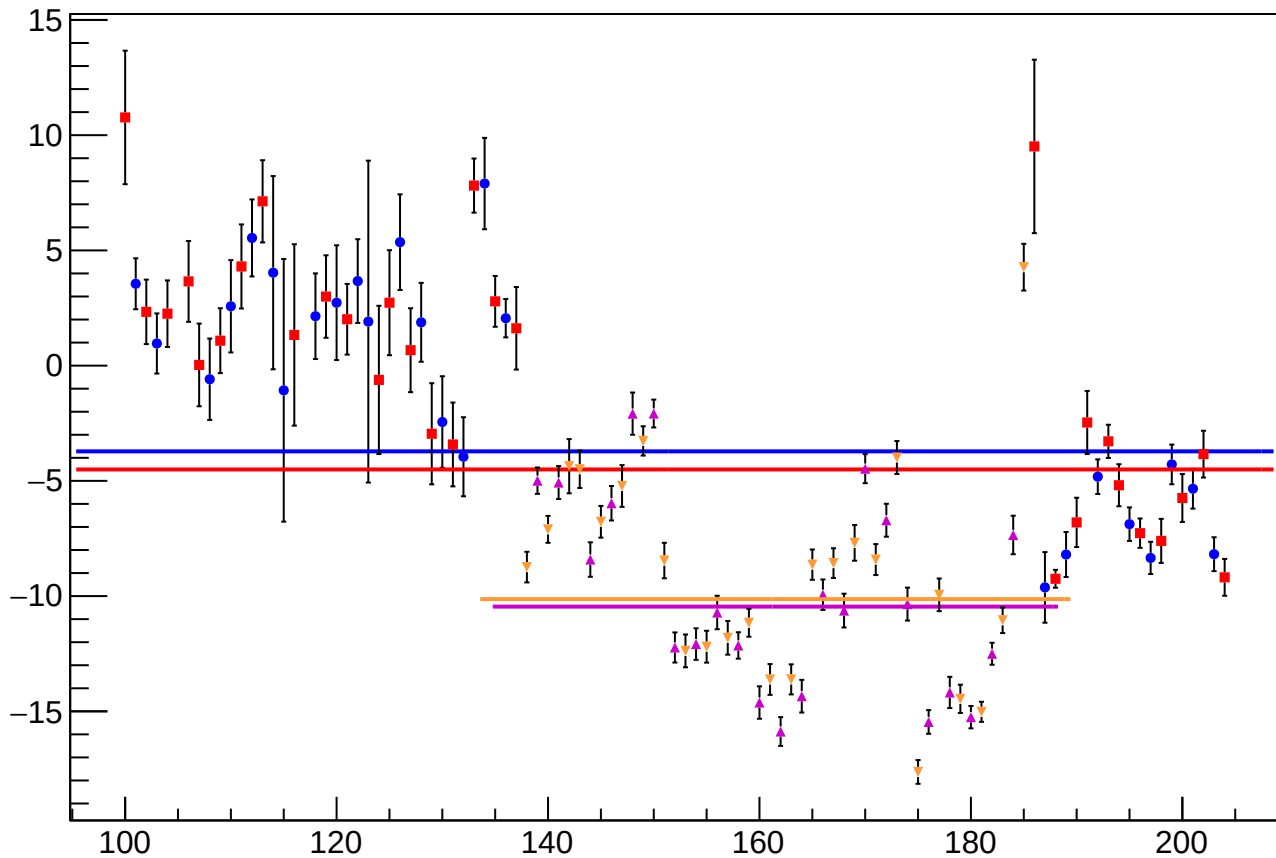
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -57.698 ± 0.093 χ^2/NDF : 10931.7/49

All: -57.951 ± 0.066 χ^2/NDF : 25246.4/102

- sign -58.208 ± 0.093 χ^2/NDF : 14299.6/52

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -3.720 ± 0.237 χ^2/NDF : 391.7/24

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -4.505 ± 0.200 χ^2/NDF : 646.7/29

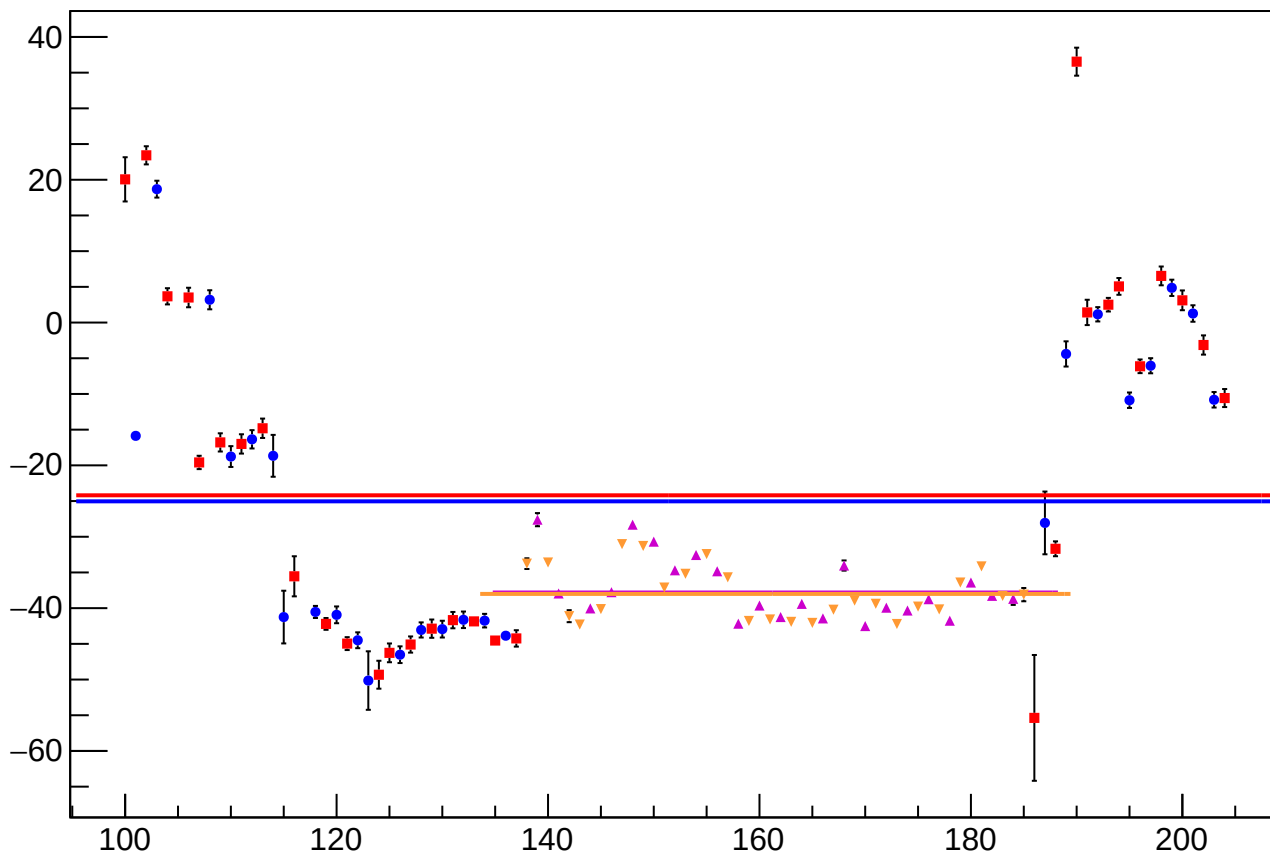
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.600 ± 0.116 χ^2/NDF : 2003.8/49

All: -8.602 ± 0.080 χ^2/NDF : 4261.1/102

- sign -8.604 ± 0.112 χ^2/NDF : 2257.3/52

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -25.039 ± 0.220 $\chi^2/\text{NDF}: 8222.9/24$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -24.196 ± 0.206 $\chi^2/\text{NDF}: 11488.3/29$

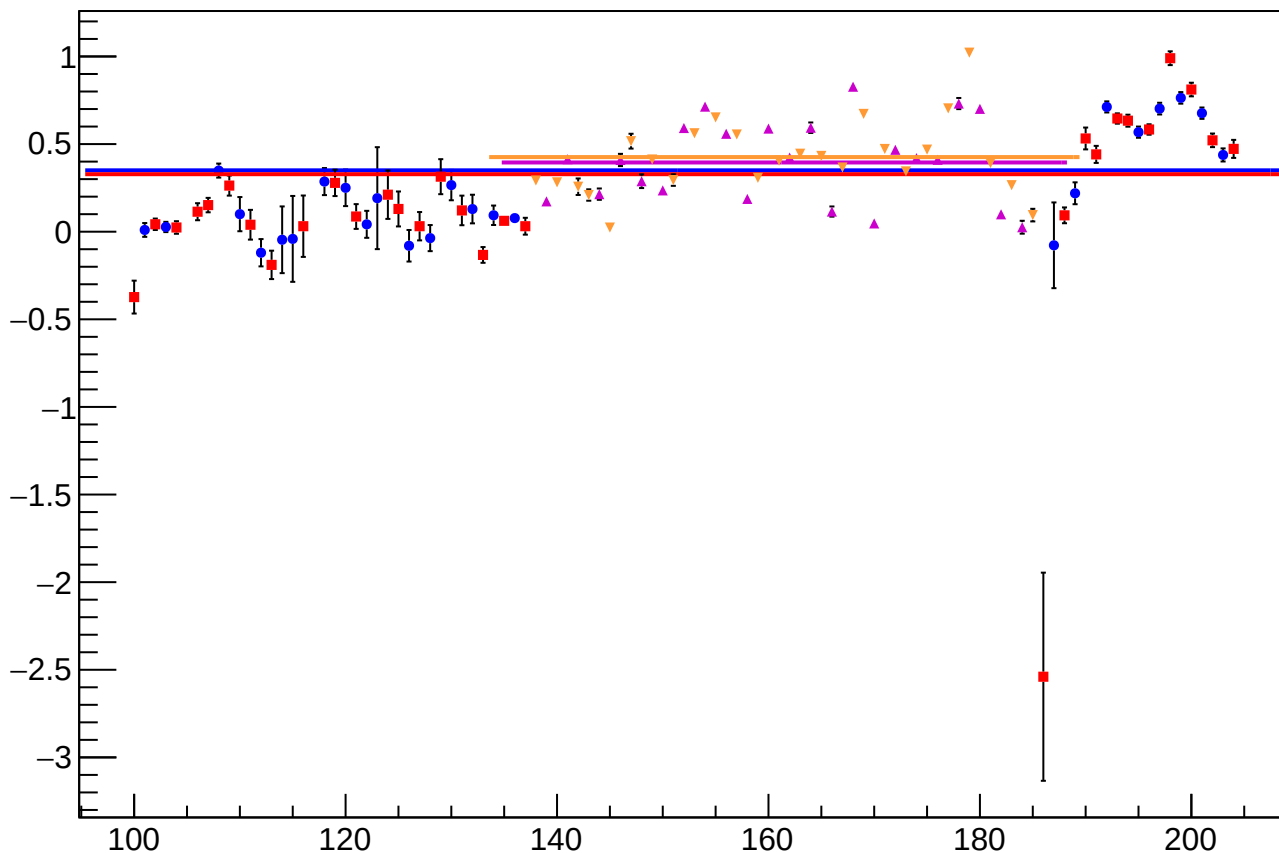
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -35.073 ± 0.104 $\chi^2/\text{NDF}: 11866.5/49$

All: -34.676 ± 0.074 $\chi^2/\text{NDF}: 27642.7/102$

- sign -34.273 ± 0.105 $\chi^2/\text{NDF}: 15747.1/52$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.350 $\pm$ 0.009 χ^2 /NDF: 1055.1/24

Left Out: 0.426 $\pm$ 0.005 χ^2 /NDF:1303.7/24

Right Out: 0.328 $\pm$ 0.009 χ^2 /NDF: 1384.4/29

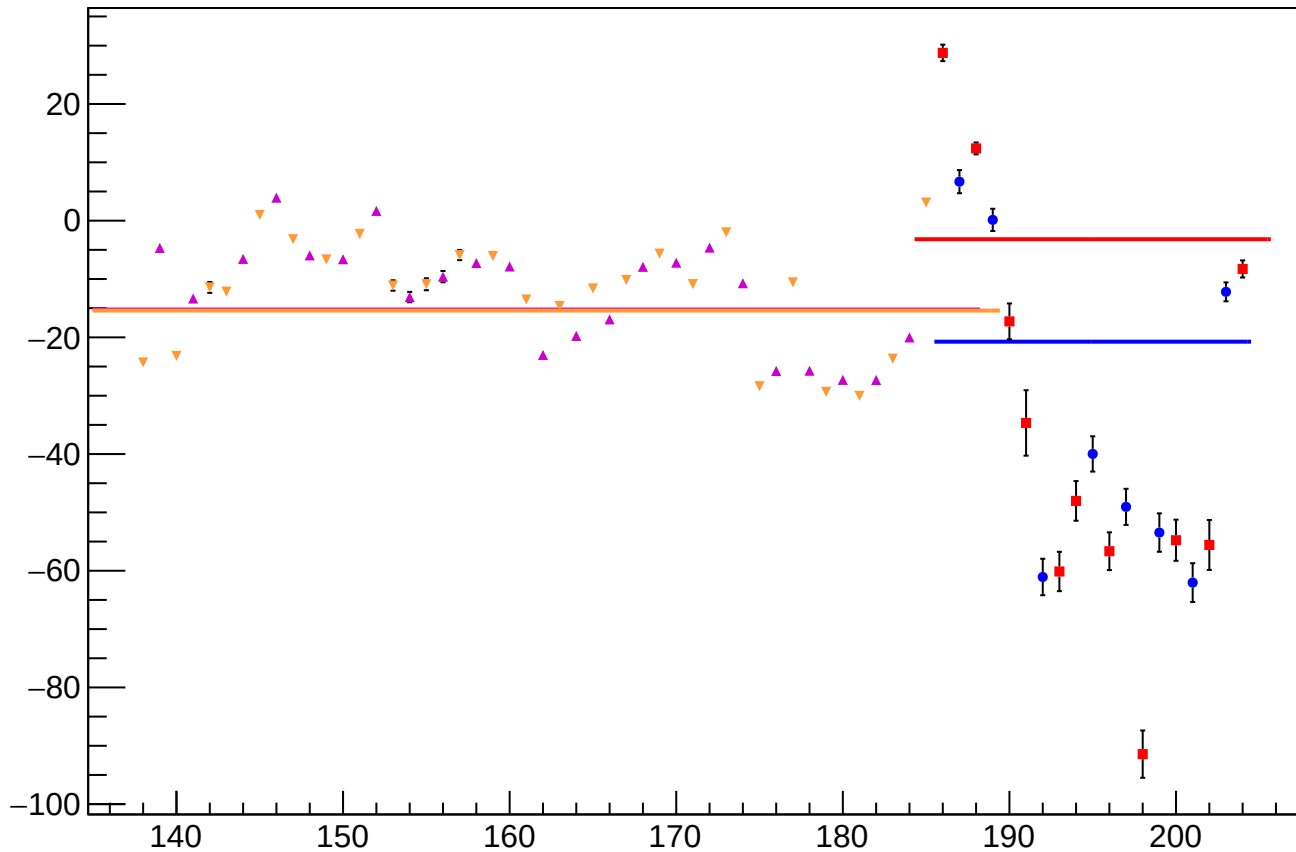
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.406 $\pm$ 0.005 χ^2 /NDF: 2409.3/49

All: 0.391 $\pm$ 0.003 χ^2 /NDF: 5656.6/102

- sign 0.376 $\pm$ 0.005 χ^2 /NDF: 3225.6/52

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -20.739 ± 0.842 χ^2/NDF : 882.7/7

Left Out: -15.413 ± 0.105 χ^2/NDF : 10509.1/24

Right Out: -3.183 ± 0.627 χ^2/NDF : 2385.2/10

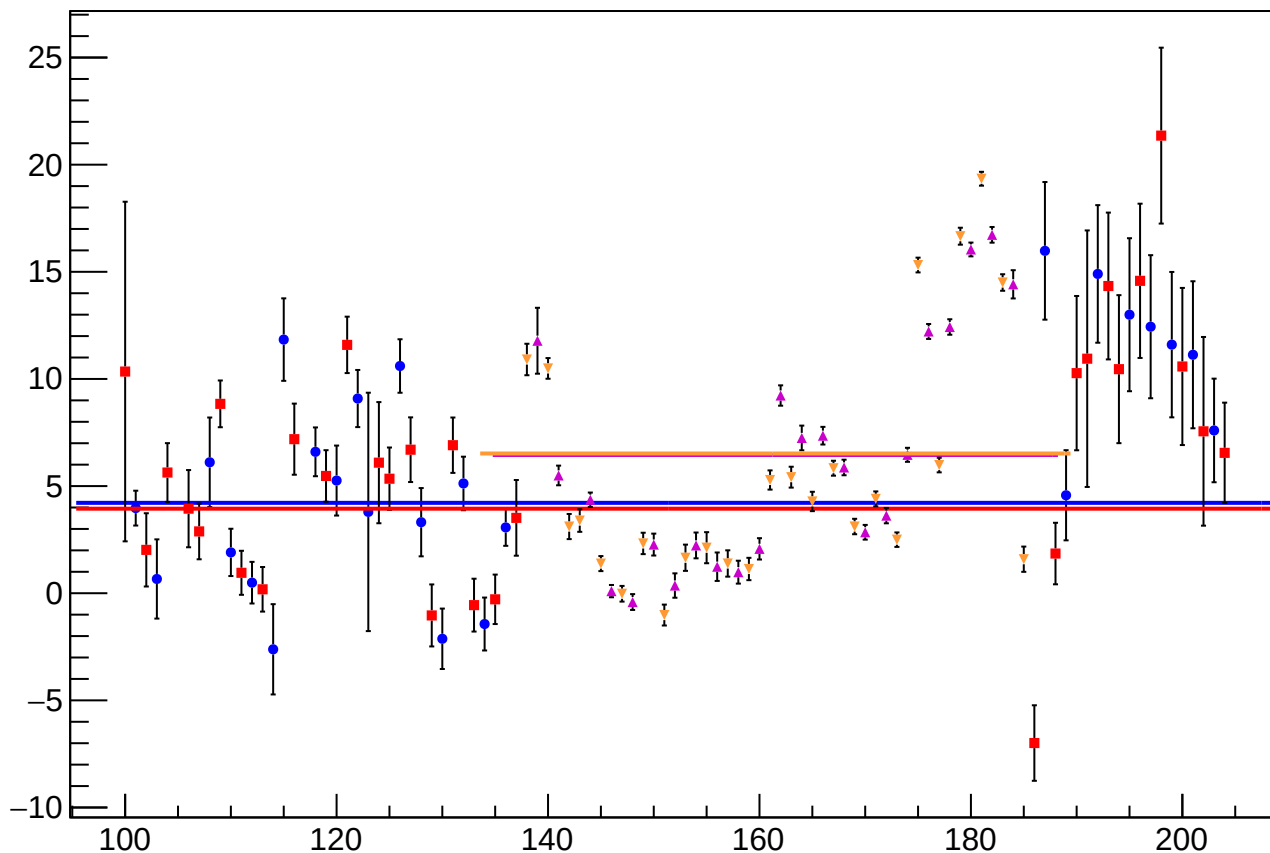
Left In: -15.229 ± 0.107 χ^2/NDF : 8657.3/22

+ sign -15.494 ± 0.104 χ^2/NDF : 11431.1/32

All: -15.194 ± 0.074 χ^2/NDF : 22849.4/66

- sign -14.890 ± 0.105 χ^2/NDF : 11401.6/33

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.218 ± 0.298 χ^2/NDF : 185.4/24

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.946 ± 0.295 χ^2/NDF : 223.5/29

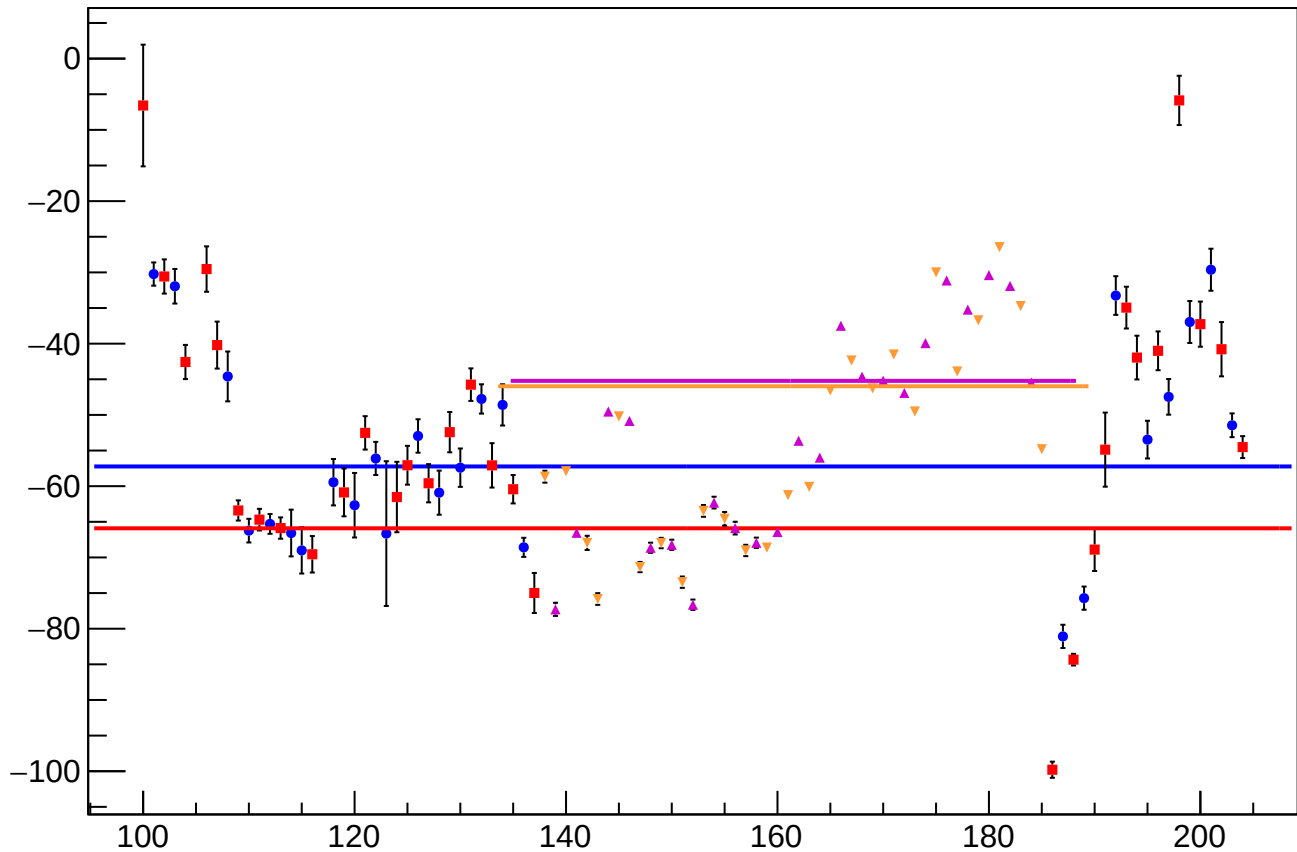
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.346 ± 0.082 χ^2/NDF : 5225.8/49

All: 6.301 ± 0.058 χ^2/NDF : 9464.5/102

- sign 6.255 ± 0.083 χ^2/NDF : 4238.0/52

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -57.232 ± 0.440 χ^2/NDF : 1174.8/24

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -65.913 ± 0.380 χ^2/NDF : 2883.0/29

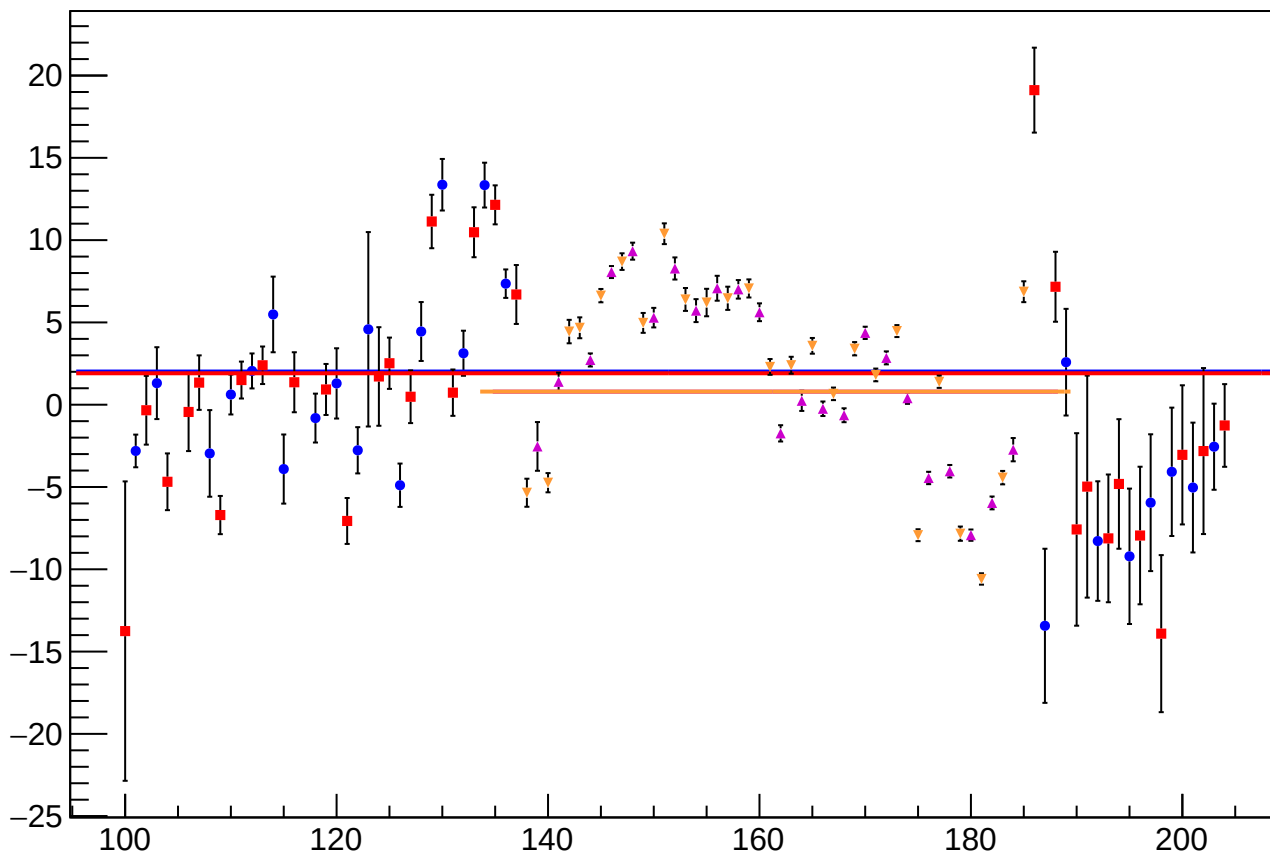
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.601 ± 0.103 χ^2/NDF : 19151.6/49

All: -46.674 ± 0.073 χ^2/NDF : 40383.4/102

- sign -46.748 ± 0.103 χ^2/NDF : 21230.8/52

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.016 ± 0.336 χ^2/NDF : 283.0/24

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 1.910 ± 0.337 χ^2/NDF : 348.8/29

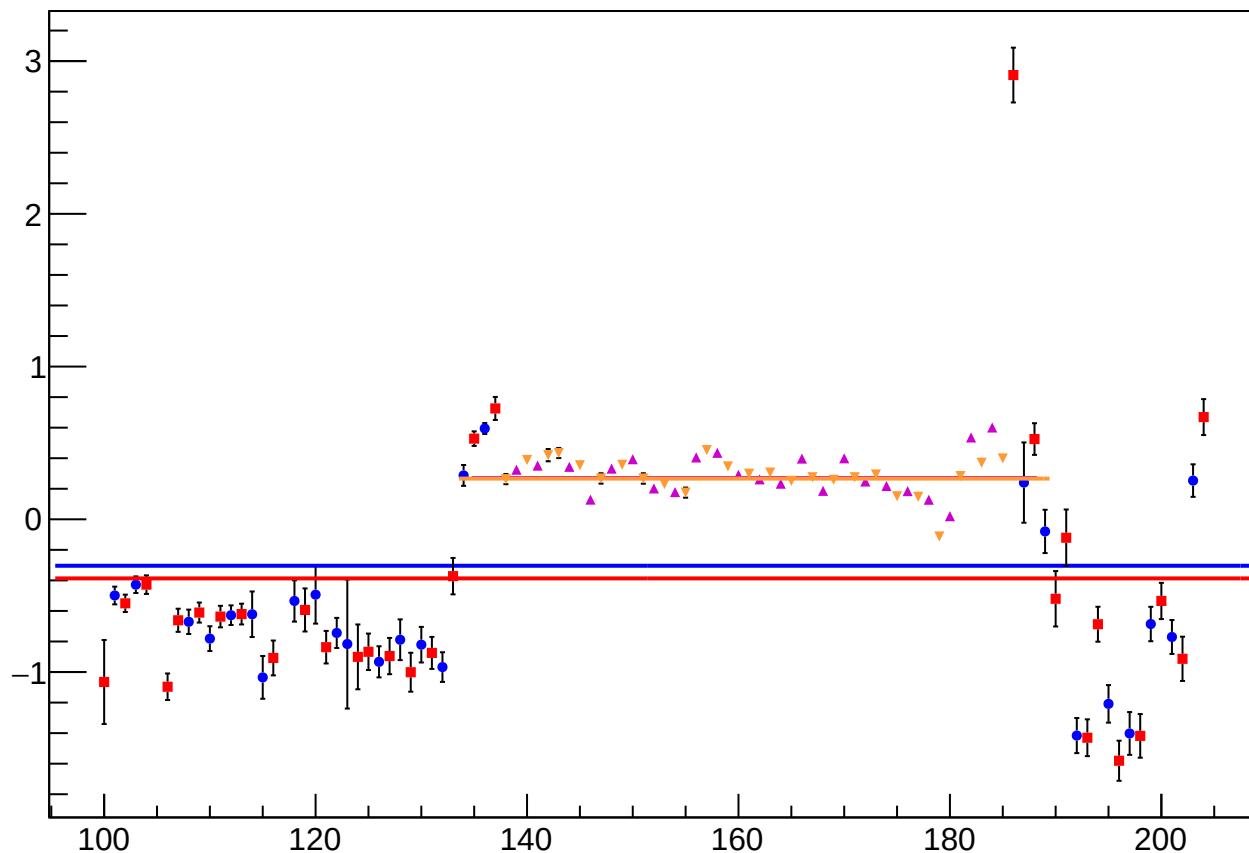
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.889 ± 0.092 χ^2/NDF : 4055.2/49

All: 0.883 ± 0.065 χ^2/NDF : 7106.7/102

- sign 0.877 ± 0.093 χ^2/NDF : 3051.5/52

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.304 ± 0.017 χ^2/NDF : 1243.8/24

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.387 ± 0.017 χ^2/NDF : 1574.4/29

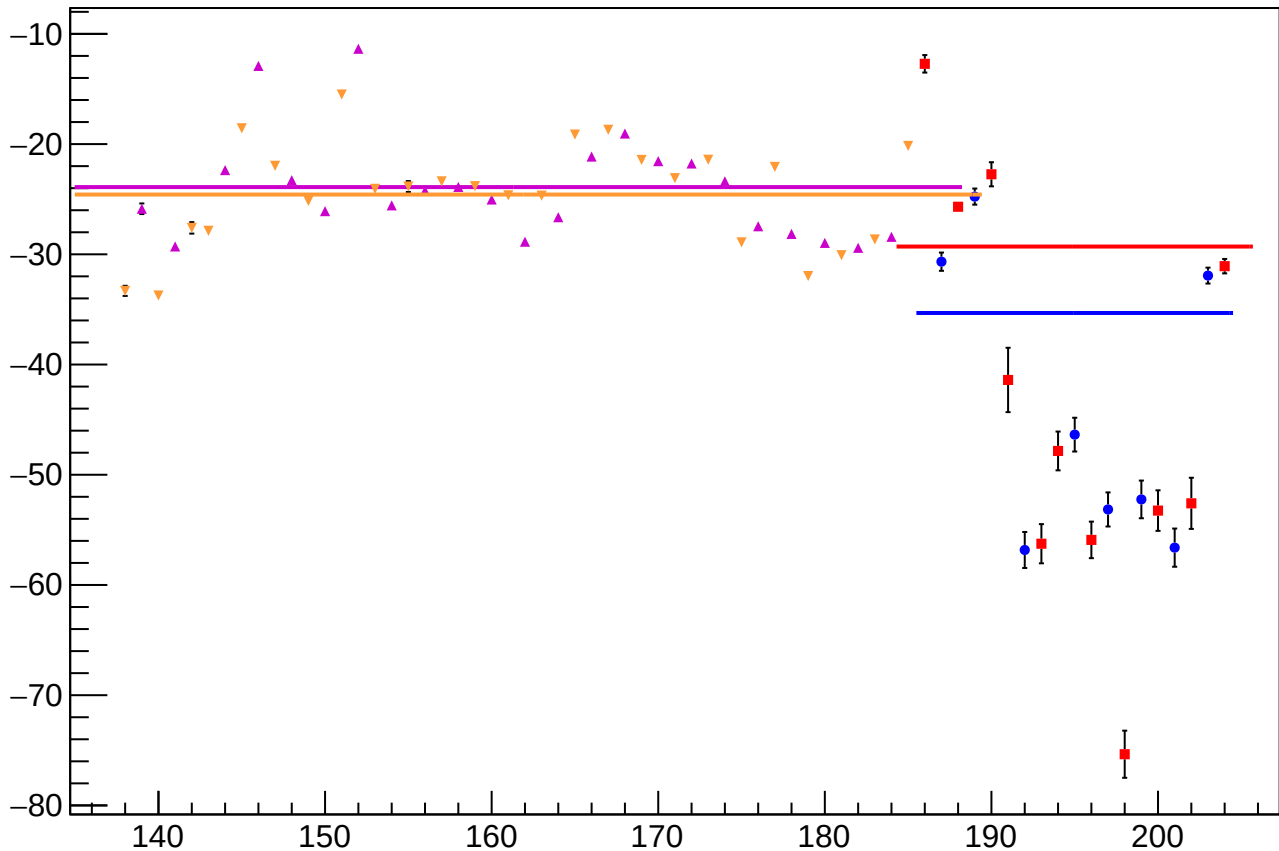
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.233 ± 0.004 χ^2/NDF : 2954.2/49

All: 0.231 ± 0.003 χ^2/NDF : 6874.5/102

- sign 0.229 ± 0.004 χ^2/NDF : 3920.0/52

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -35.322 ± 0.374 χ^2/NDF : 869.8/7

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -29.296 ± 0.289 χ^2/NDF : 1900.4/10

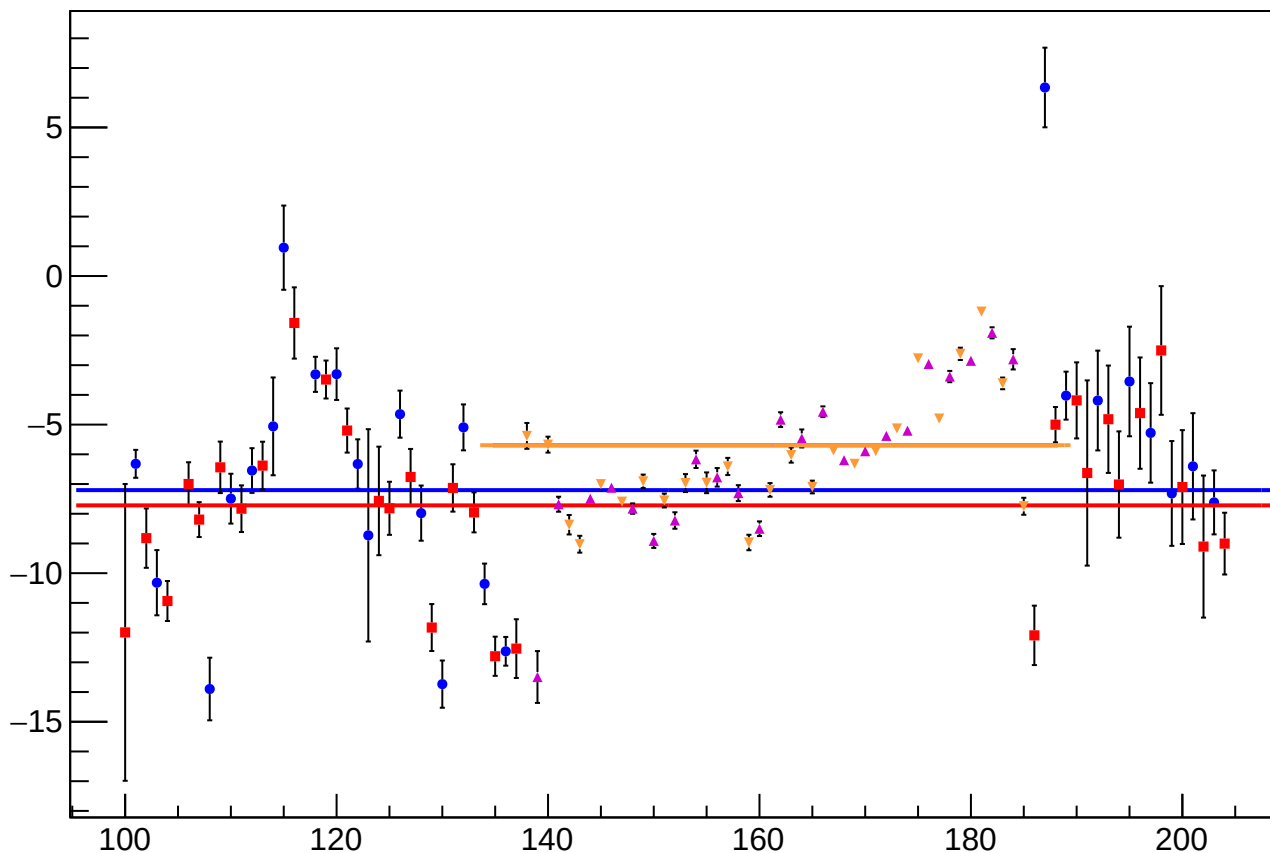
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.773 ± 0.050 χ^2/NDF : 10270.7/32

All: -24.418 ± 0.036 χ^2/NDF : 21762.6/66

- sign -24.064 ± 0.050 χ^2/NDF : 11393.0/33

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.205 ± 0.174 χ^2/NDF : 512.7/24

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.718 ± 0.167 χ^2/NDF : 286.0/29

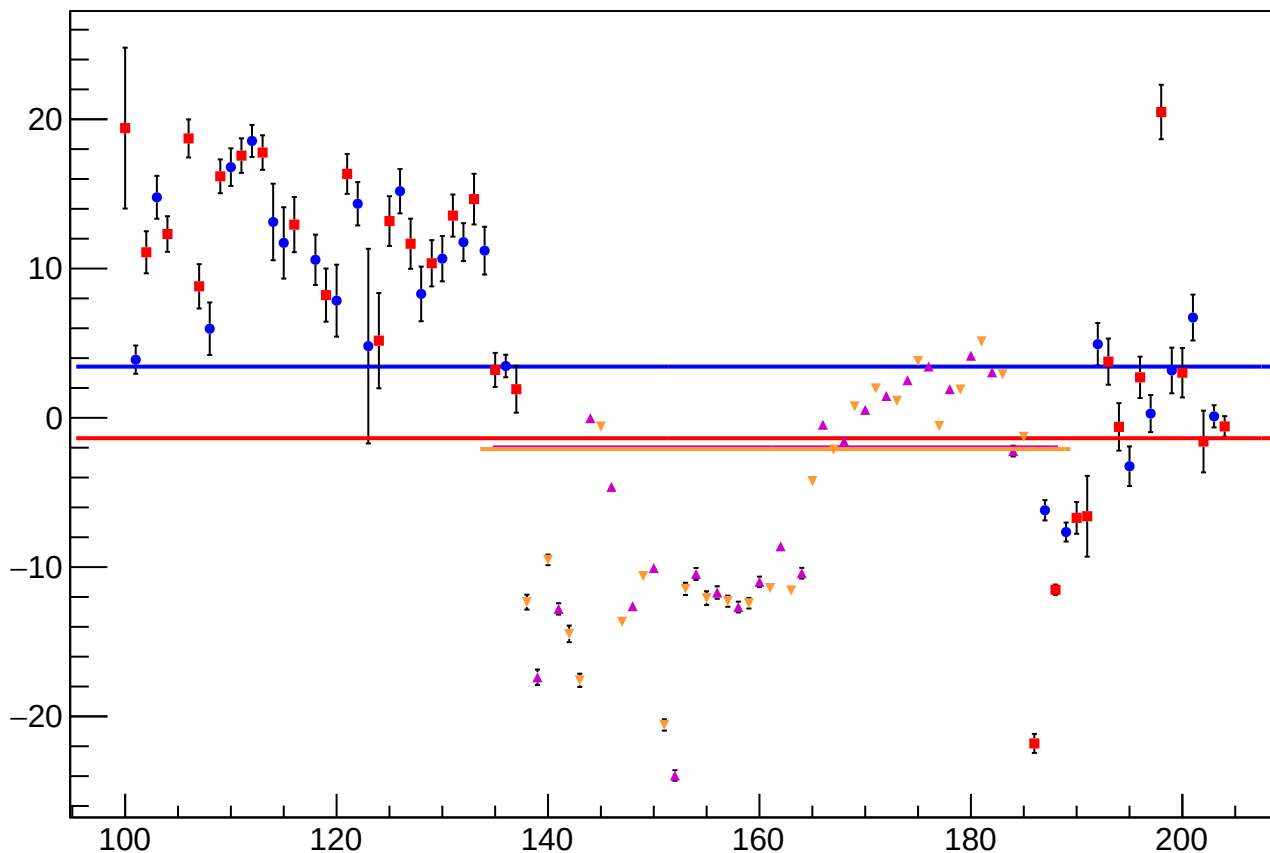
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.774 ± 0.040 χ^2/NDF : 2842.5/49

All: -5.792 ± 0.028 χ^2/NDF : 5577.2/102

- sign -5.810 ± 0.040 χ^2/NDF : 2734.4/52

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 3.431 ± 0.237 $\chi^2/\text{NDF}: 1200.1/24$

Left Out: -2.092 ± 0.051 $\chi^2/\text{NDF}: 16305.3/24$

Right Out: -1.366 ± 0.199 $\chi^2/\text{NDF}: 4074.4/29$

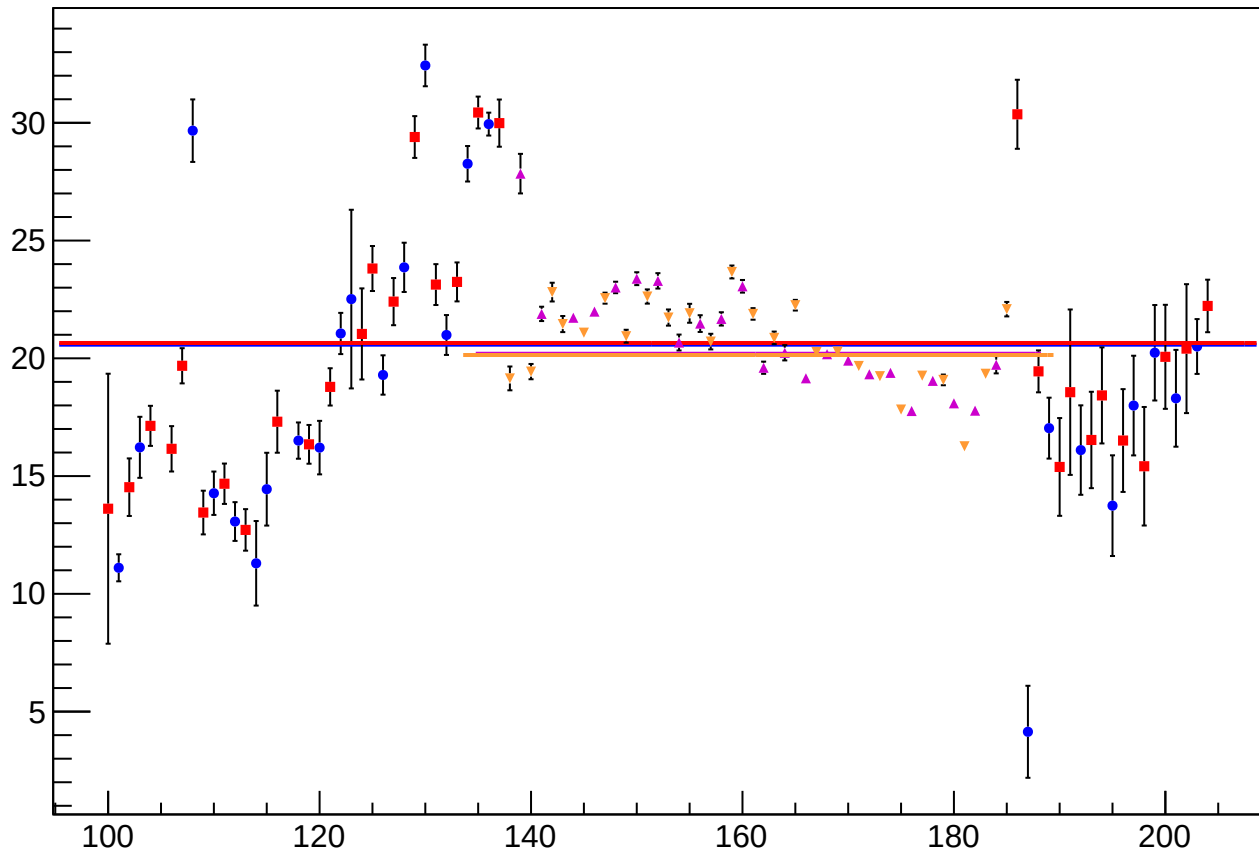
Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

+ sign -1.845 ± 0.050 $\chi^2/\text{NDF}: 18022.0/49$

All: -1.894 ± 0.035 $\chi^2/\text{NDF}: 37489.6/102$

- sign -1.942 ± 0.050 $\chi^2/\text{NDF}: 19465.7/52$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.580 ± 0.199 χ^2/NDF : 1311.1/24

Left Out: 20.141 ± 0.046 χ^2/NDF : 1419.1/24

Right Out: 20.651 ± 0.196 χ^2/NDF : 789.4/29

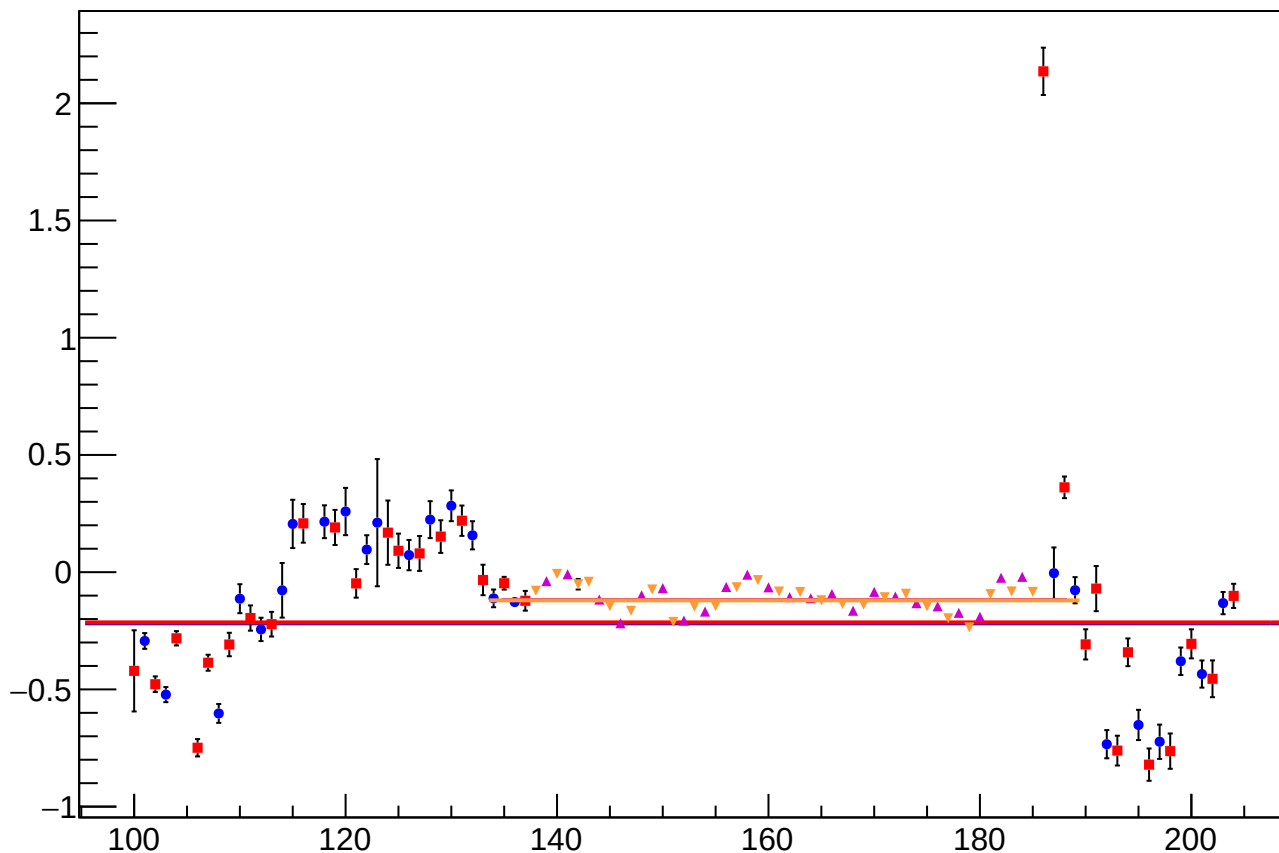
Left In: 20.194 ± 0.046 χ^2/NDF : 1447.4/22

+ sign 20.163 ± 0.045 χ^2/NDF : 2734.8/49

All: 20.190 ± 0.032 χ^2/NDF : 4977.5/102

- sign 20.218 ± 0.045 χ^2/NDF : 2242.0/52

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.218 ± 0.010 $\chi^2/\text{NDF}: 675.5/24$

Left Out: -0.120 ± 0.002 $\chi^2/\text{NDF}: 530.4/24$

Right Out: -0.214 ± 0.010 $\chi^2/\text{NDF}: 1461.7/29$

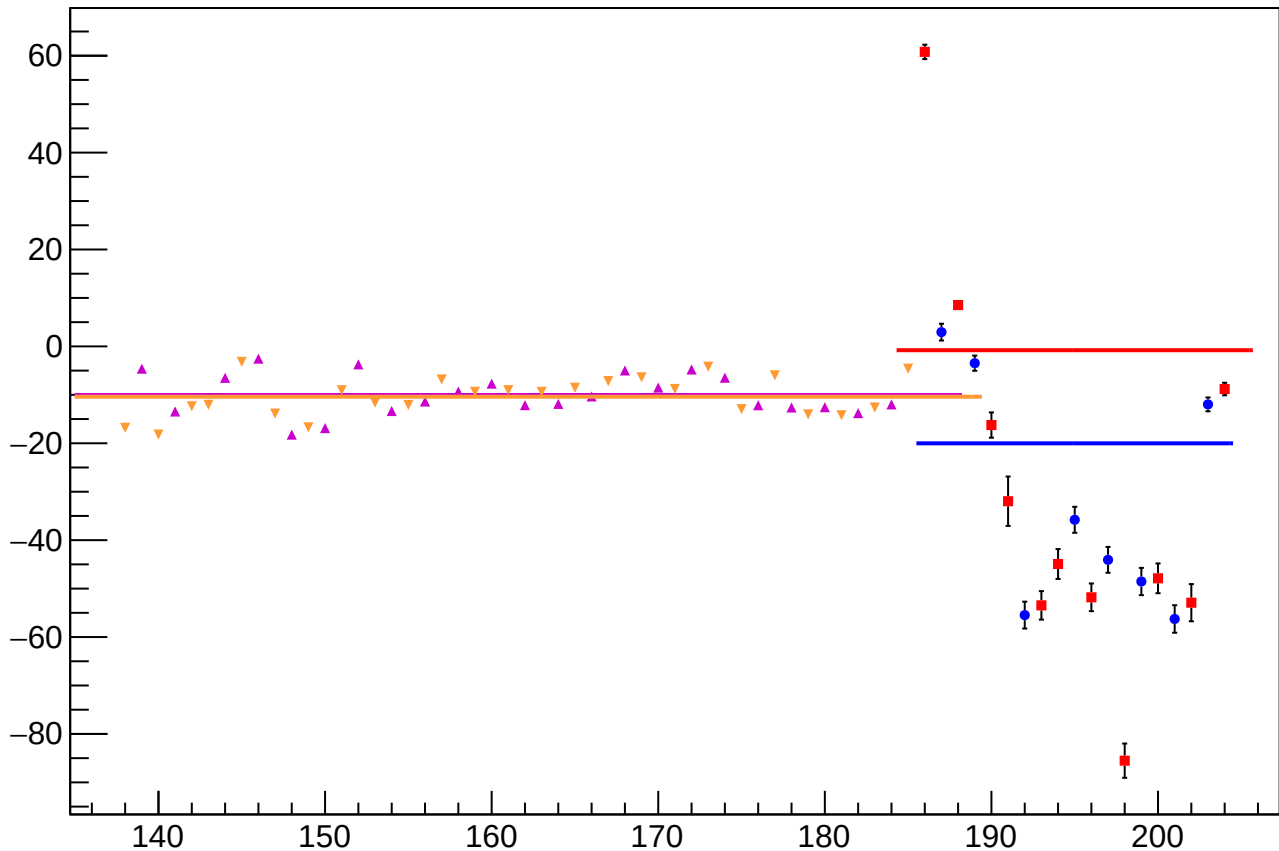
Left In: -0.119 ± 0.002 $\chi^2/\text{NDF}: 721.8/22$

+ sign -0.124 ± 0.002 $\chi^2/\text{NDF}: 1298.7/49$

All: -0.124 ± 0.001 $\chi^2/\text{NDF}: 3577.7/102$

- sign -0.123 ± 0.002 $\chi^2/\text{NDF}: 2278.8/52$

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -20.009±/-0.728 χ^2/NDF : 863.3/7

Left Out: -10.391±/-0.088 χ^2/NDF : 2111.6/24

Right Out: -0.791±/-0.560 χ^2/NDF : 3780.7/10

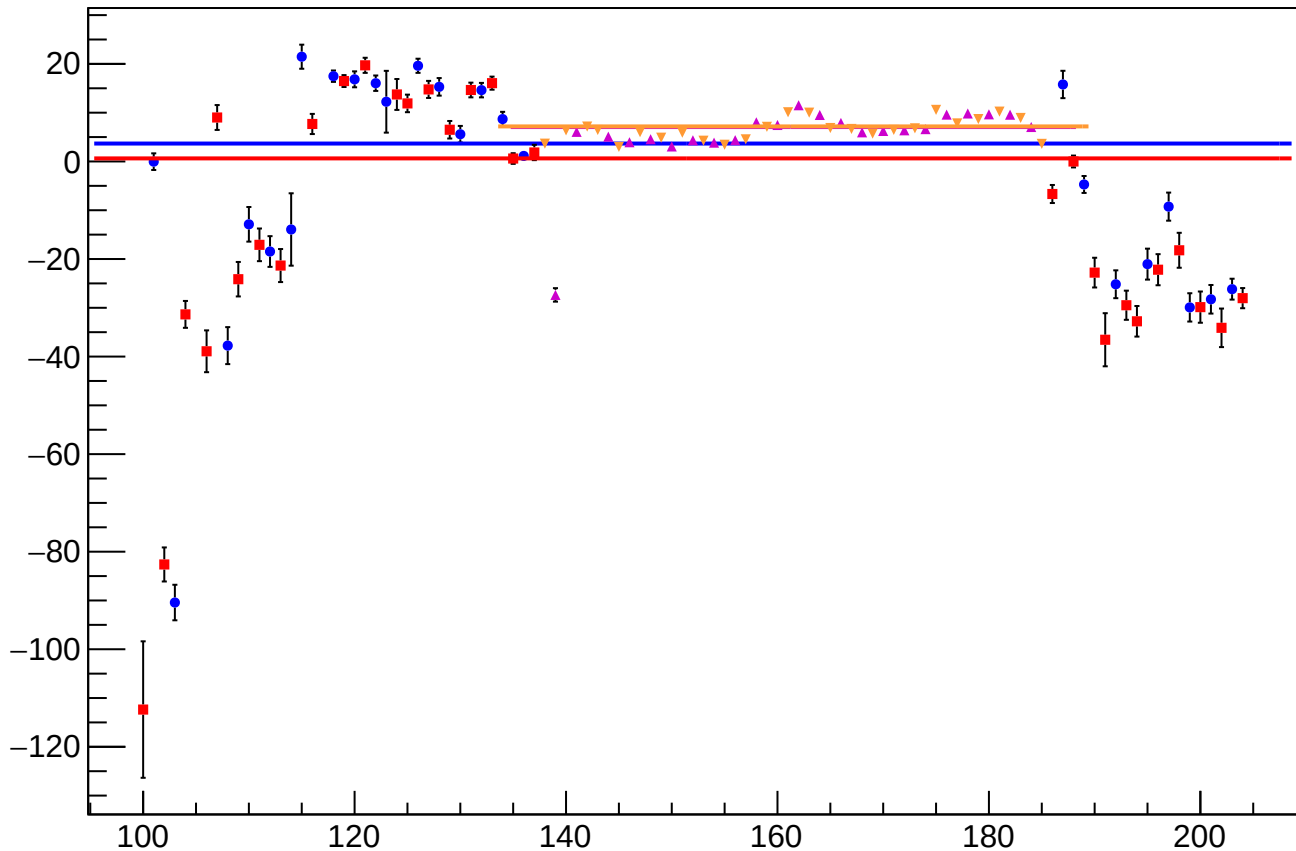
Left In: -10.036±/-0.090 χ^2/NDF : 1758.7/22

+ sign -10.529±/-0.087 χ^2/NDF : 3146.8/32

All: -10.172±/-0.062 χ^2/NDF : 8985.5/66

- sign -9.806±/-0.088 χ^2/NDF : 5804.8/33

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 3.672 ± 0.370 χ^2/NDF : 2100.8/24

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 0.627 ± 0.373 χ^2/NDF : 2443.4/29

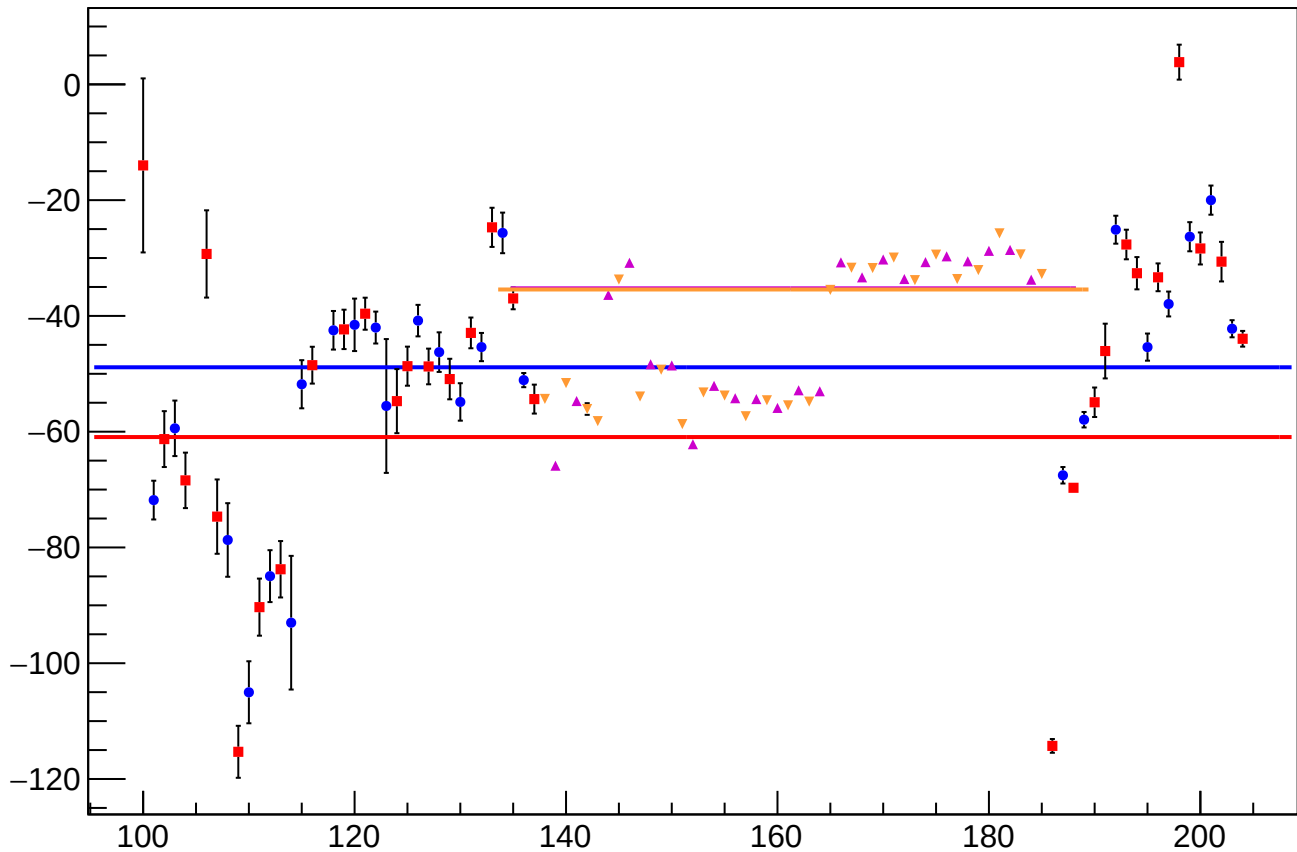
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.051 ± 0.072 χ^2/NDF : 3104.6/49

All: 6.931 ± 0.051 χ^2/NDF : 7374.8/102

- sign 6.808 ± 0.073 χ^2/NDF : 4264.6/52

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -48.874 ± 0.487 χ^2/NDF : 913.1/24

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -60.927 ± 0.412 χ^2/NDF : 4142.8/29

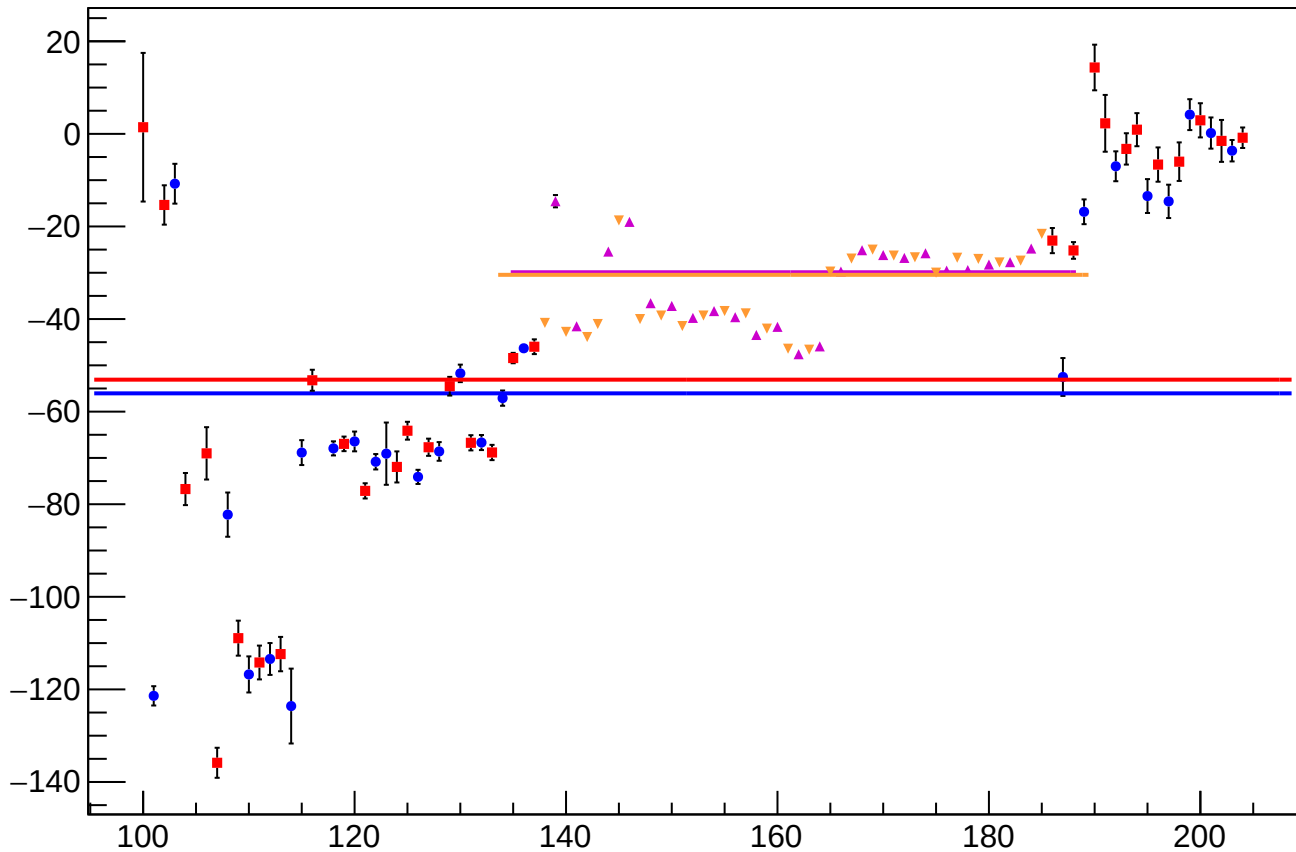
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.868 ± 0.088 χ^2/NDF : 14432.5/49

All: -36.133 ± 0.062 χ^2/NDF : 33901.8/102

- sign -36.399 ± 0.088 χ^2/NDF : 19451.1/52

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -56.051 ± 0.416 χ^2/NDF : 4112.7/24

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -53.094 ± 0.430 χ^2/NDF : 4440.8/29

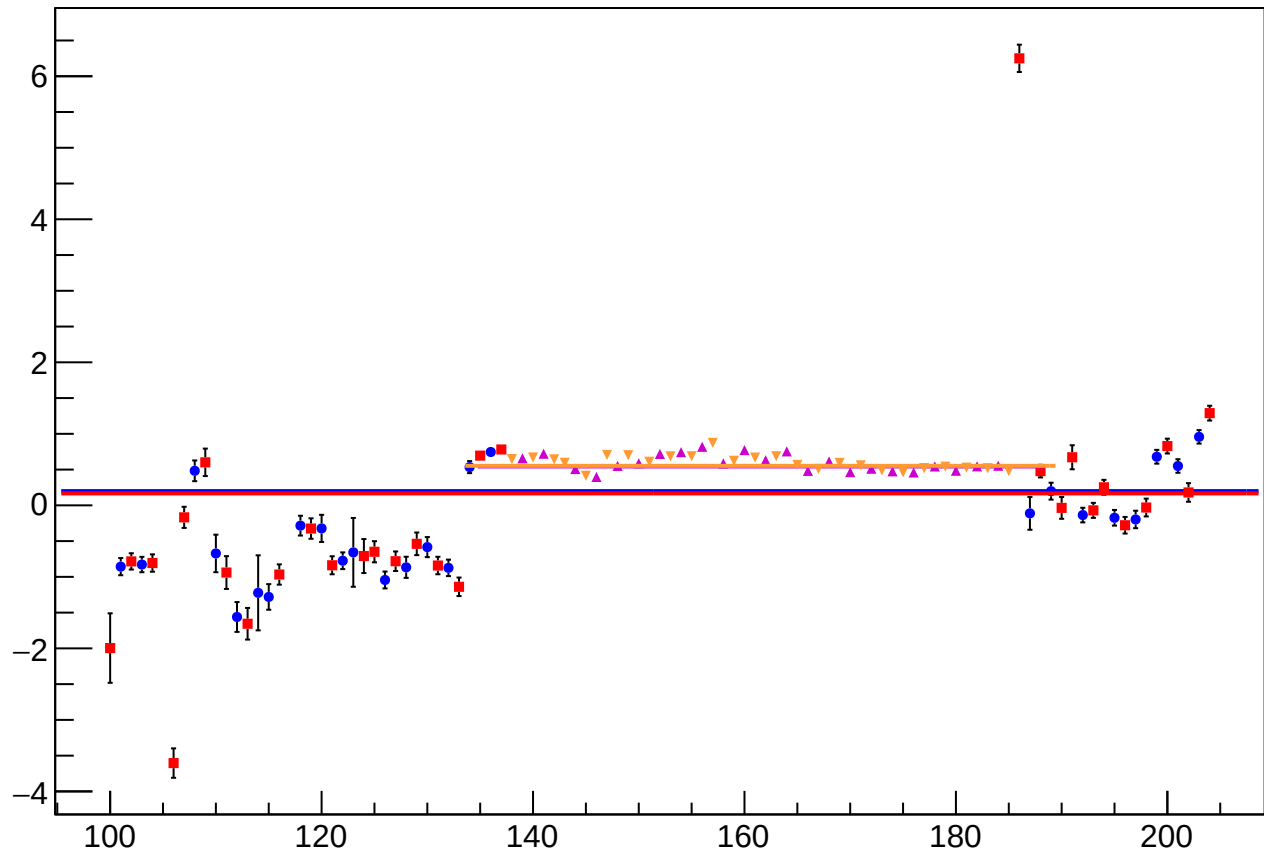
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.393 ± 0.080 χ^2/NDF : 15921.4/49

All: -31.060 ± 0.057 χ^2/NDF : 30318.5/102

- sign -30.717 ± 0.081 χ^2/NDF : 14361.9/52

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.199 $\pm$ 0.020 χ^2 /NDF: 1129.3/24

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.1/24

Right Out: 0.167 $\pm$ 0.021 χ^2 /NDF: 2450.7/29

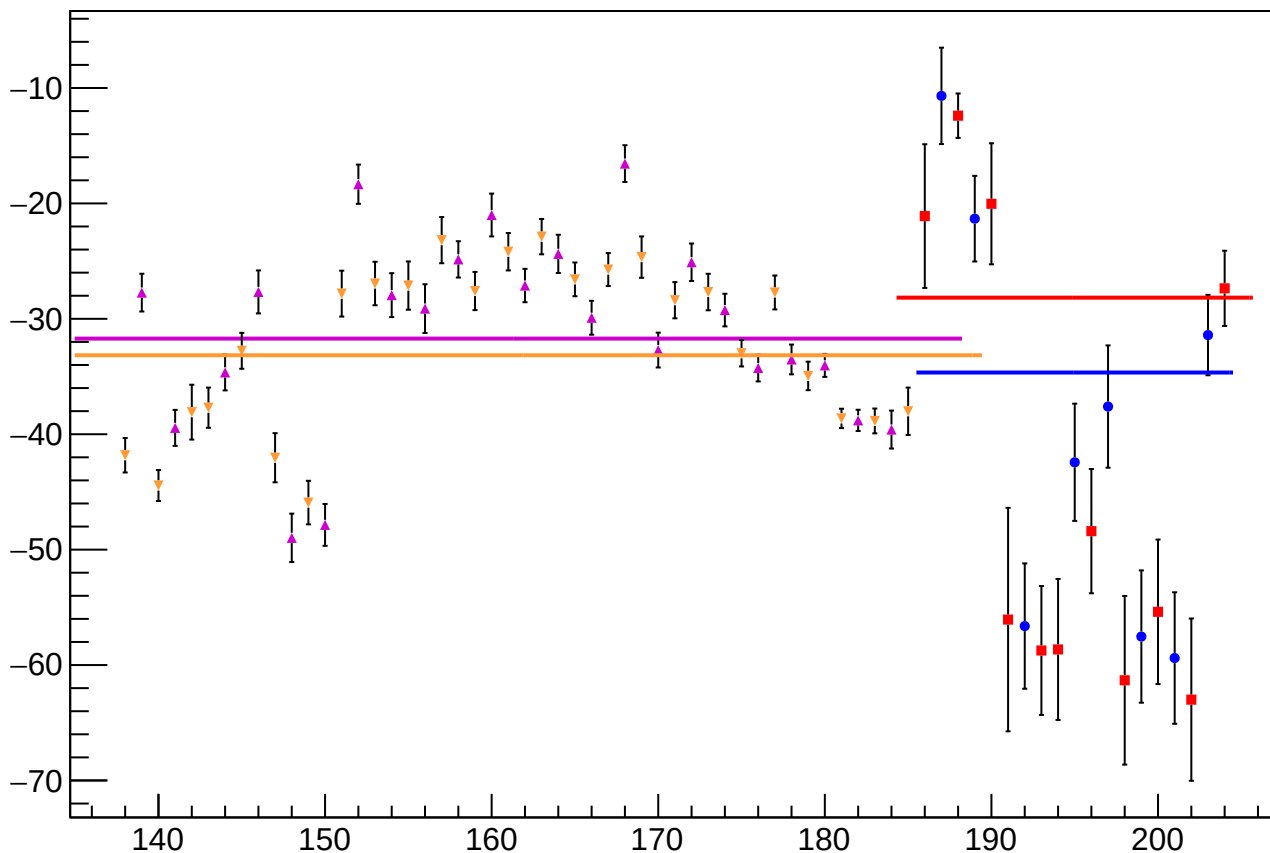
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:655.9/22

+ sign 0.542 $\pm$ 0.004 χ^2 /NDF: 1961.9/49

All: 0.537 $\pm$ 0.003 χ^2 /NDF: 5380.9/102

- sign 0.532 $\pm$ 0.004 χ^2 /NDF: 3415.5/52

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -34.654 ± 1.618 $\chi^2/\text{NDF}: 100.6/7$

Left Out: -33.157 ± 0.300 $\chi^2/\text{NDF}: 500.1/24$

Right Out: -28.166 ± 1.296 $\chi^2/\text{NDF}: 212.2/10$

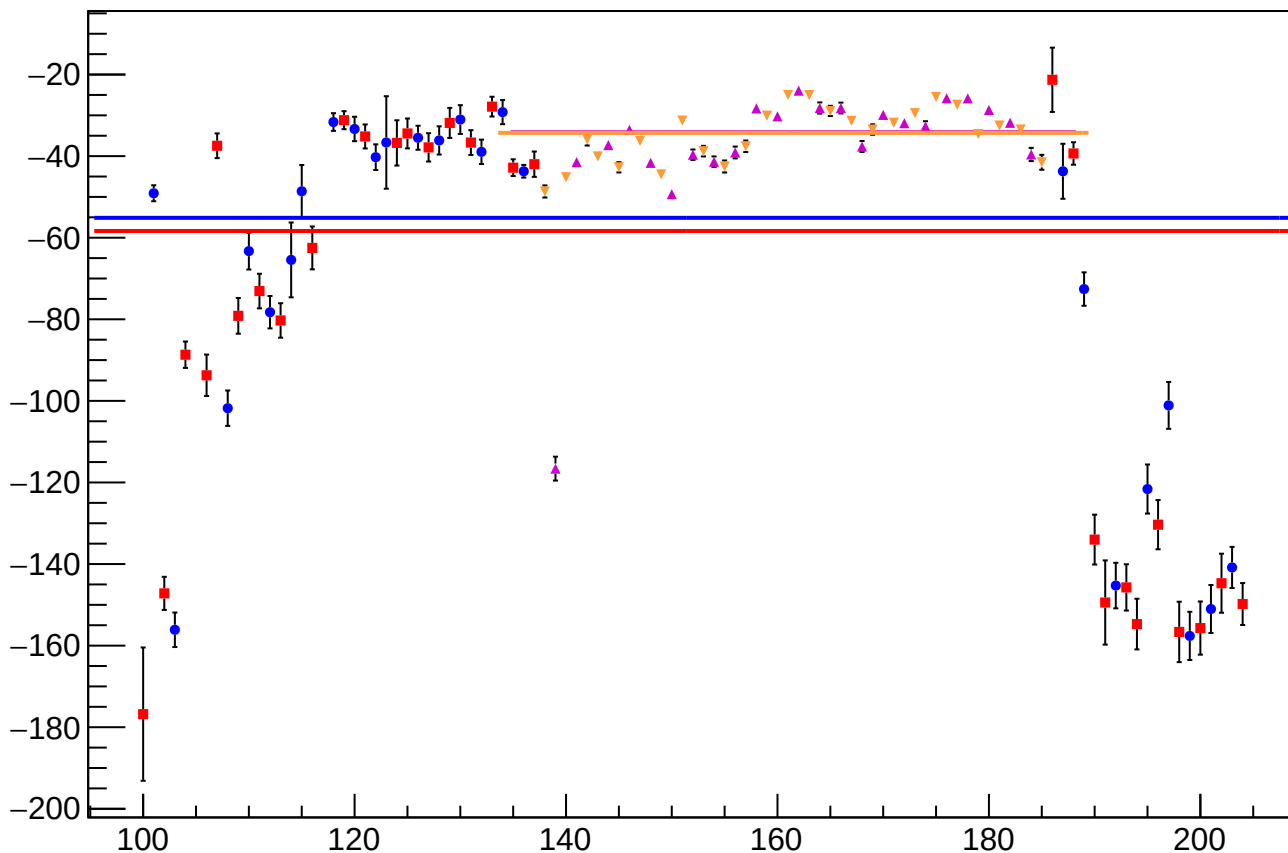
Left In: -31.714 ± 0.309 $\chi^2/\text{NDF}: 542.3/22$

+ sign -33.207 ± 0.295 $\chi^2/\text{NDF}: 601.5/32$

All: -32.380 ± 0.211 $\chi^2/\text{NDF}: 1379.0/66$

- sign -31.524 ± 0.301 $\chi^2/\text{NDF}: 761.6/33$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -55.123 ± 0.683 χ^2/NDF : 2536.9/24

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -58.348 ± 0.694 χ^2/NDF : 3209.2/29

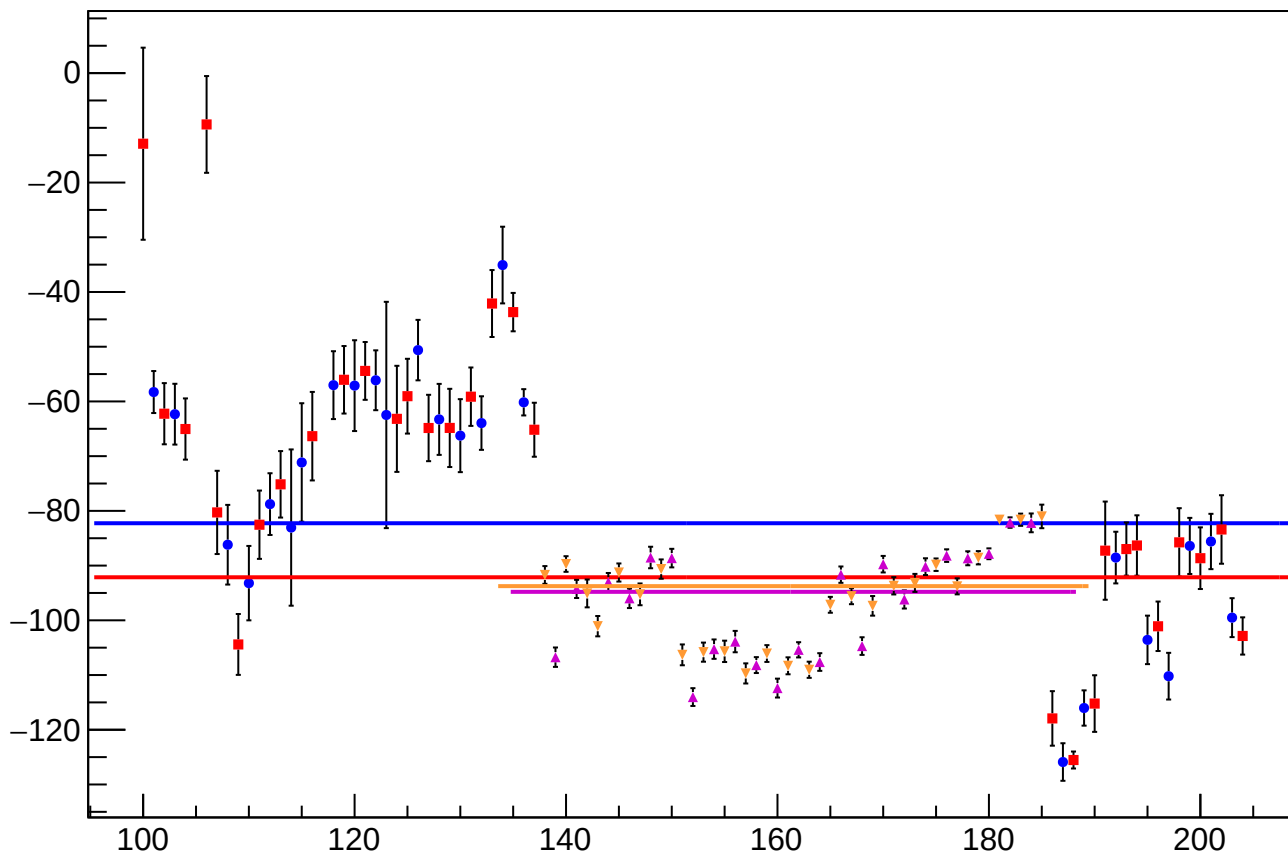
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -36.601 ± 0.228 χ^2/NDF : 4059.1/49

All: -36.766 ± 0.164 χ^2/NDF : 9798.6/102

- sign -36.943 ± 0.236 χ^2/NDF : 5738.5/52

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -82.259 ± 0.969 χ^2/NDF : 660.6/24

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -92.134 ± 0.870 χ^2/NDF : 1196.0/29

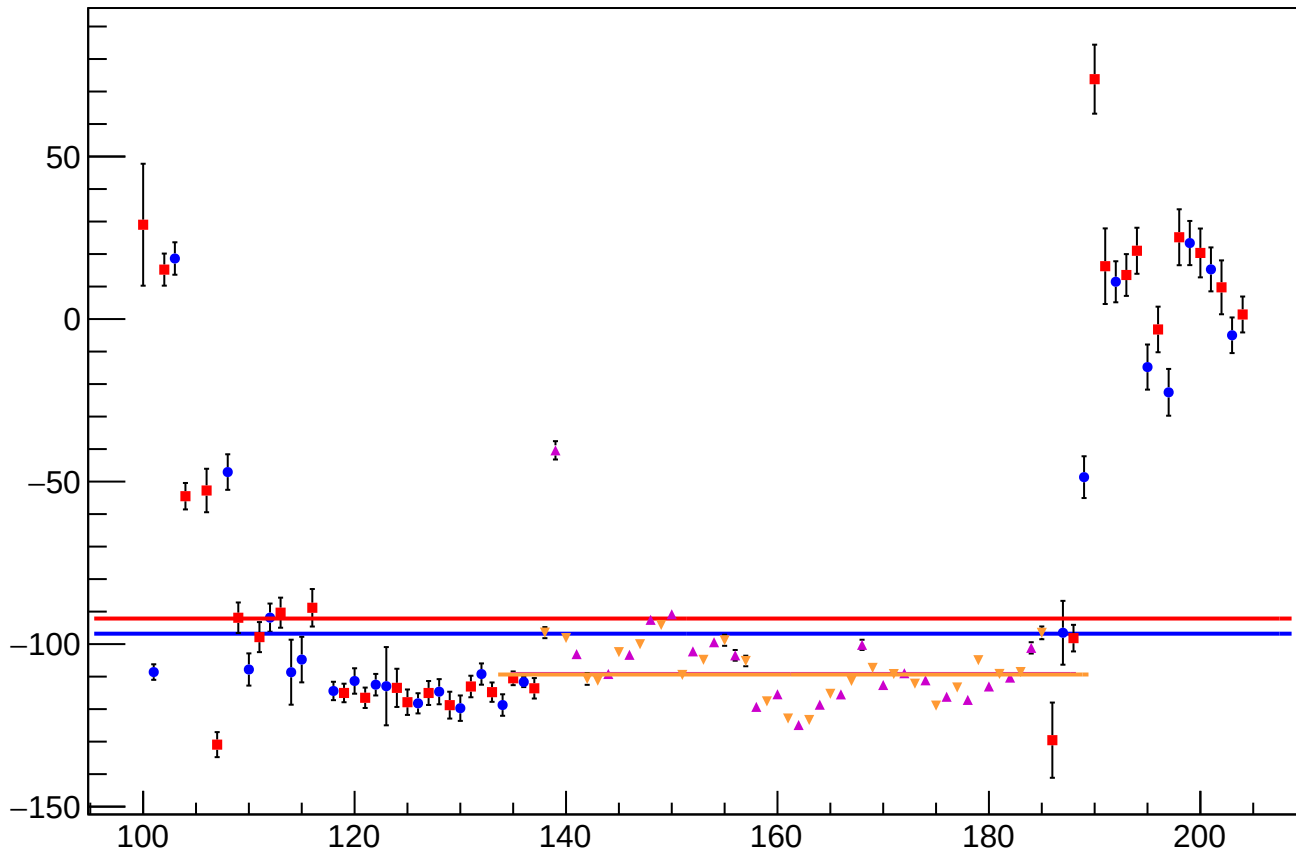
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.738 ± 0.288 χ^2/NDF : 1671.9/49

All: -93.611 ± 0.205 χ^2/NDF : 3869.5/102

- sign -94.499 ± 0.291 χ^2/NDF : 2179.1/52

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -96.793 ± 0.774 χ^2/NDF : 2444.9/24

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -92.134 ± 0.798 χ^2/NDF : 3098.3/29

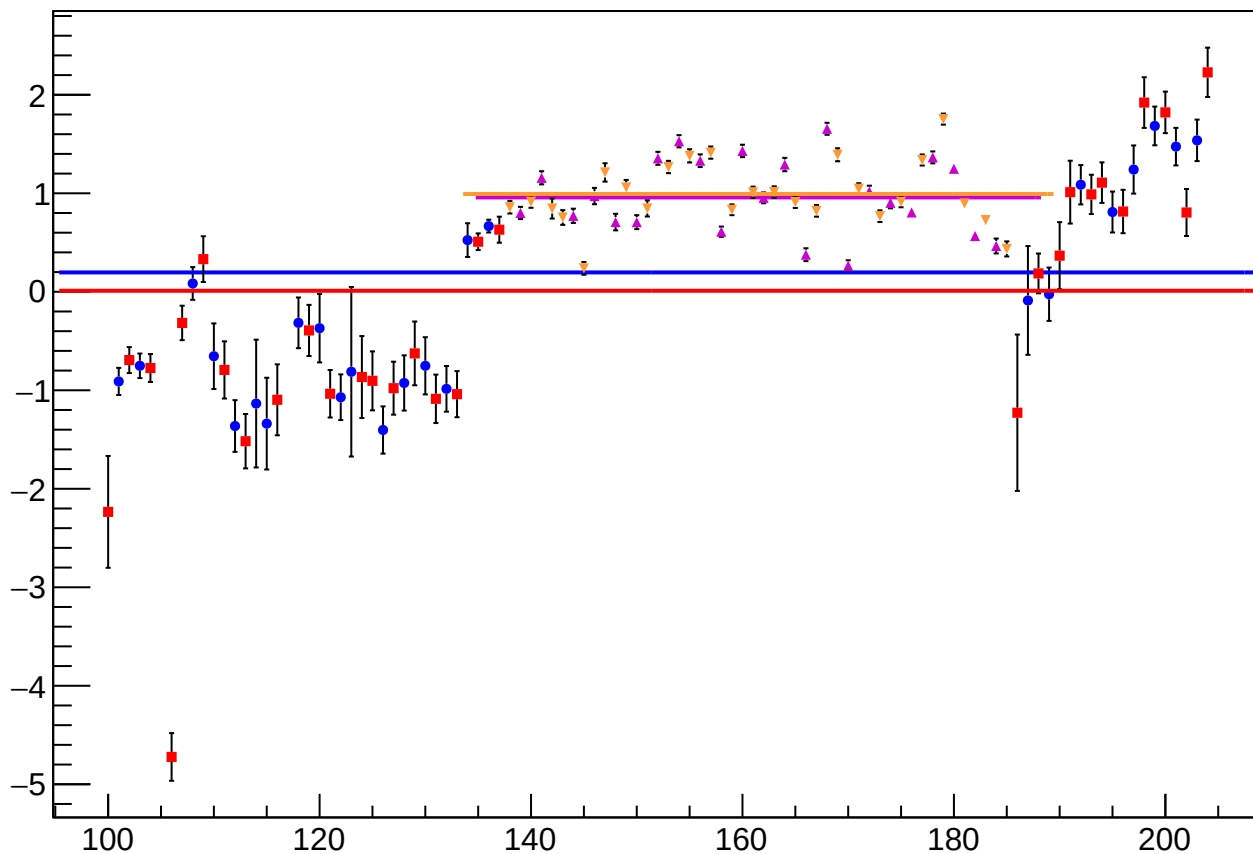
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -107.977 ± 0.256 χ^2/NDF : 3506.3/49

All: -107.657 ± 0.184 χ^2/NDF : 8515.4/102

- sign -107.316 ± 0.264 χ^2/NDF : 5005.9/52

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.197 ± 0.037 χ^2/NDF : 561.6/24

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: 0.010 ± 0.038 χ^2/NDF : 957.2/29

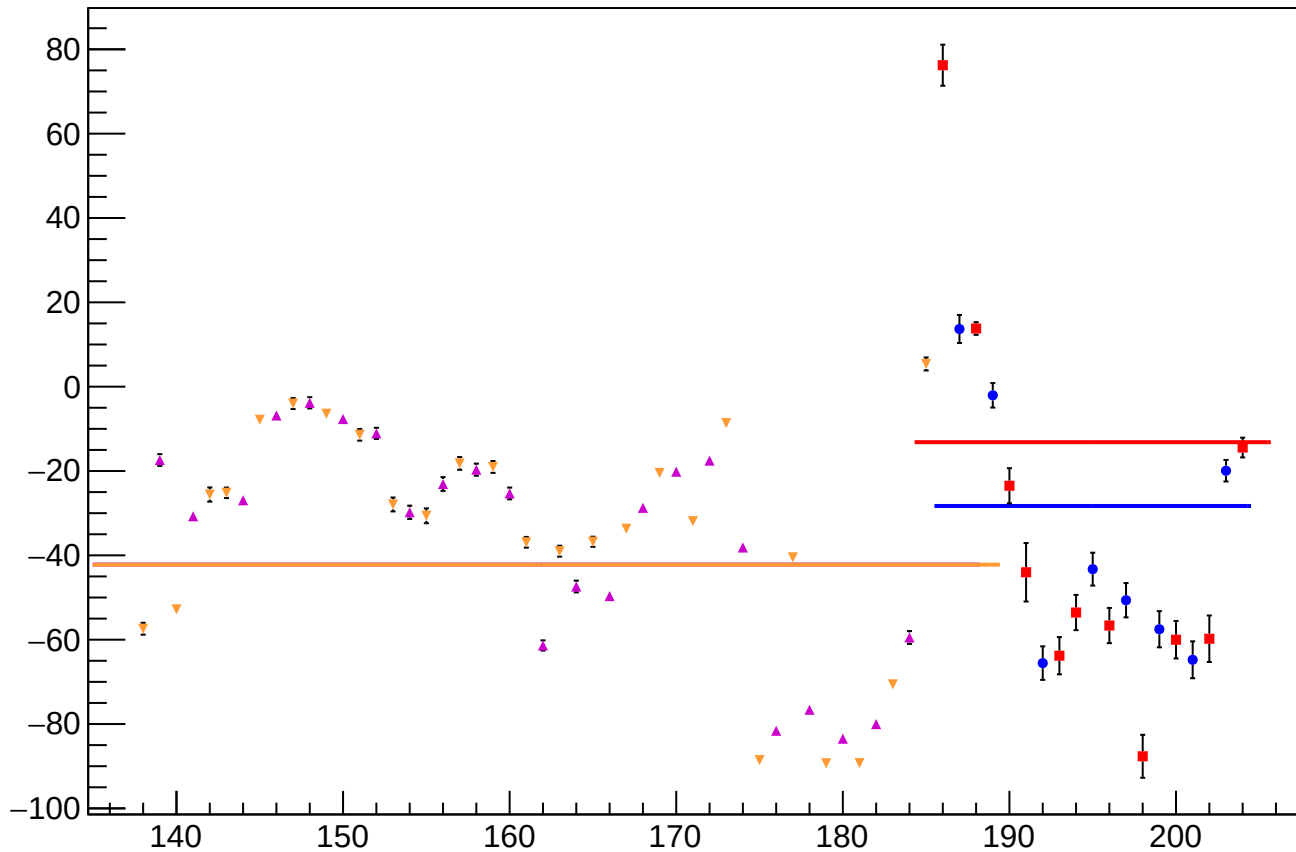
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.914 ± 0.012 χ^2/NDF : 1609.6/49

All: 0.889 ± 0.008 χ^2/NDF : 4036.2/102

- sign 0.862 ± 0.012 χ^2/NDF : 2417.2/52

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -28.291 ± 1.233 χ^2/NDF : 500.4/7

Left Out: -42.213 ± 0.222 χ^2/NDF : 18309.1/24

Right Out: -13.164 ± 0.985 χ^2/NDF : 1412.3/10

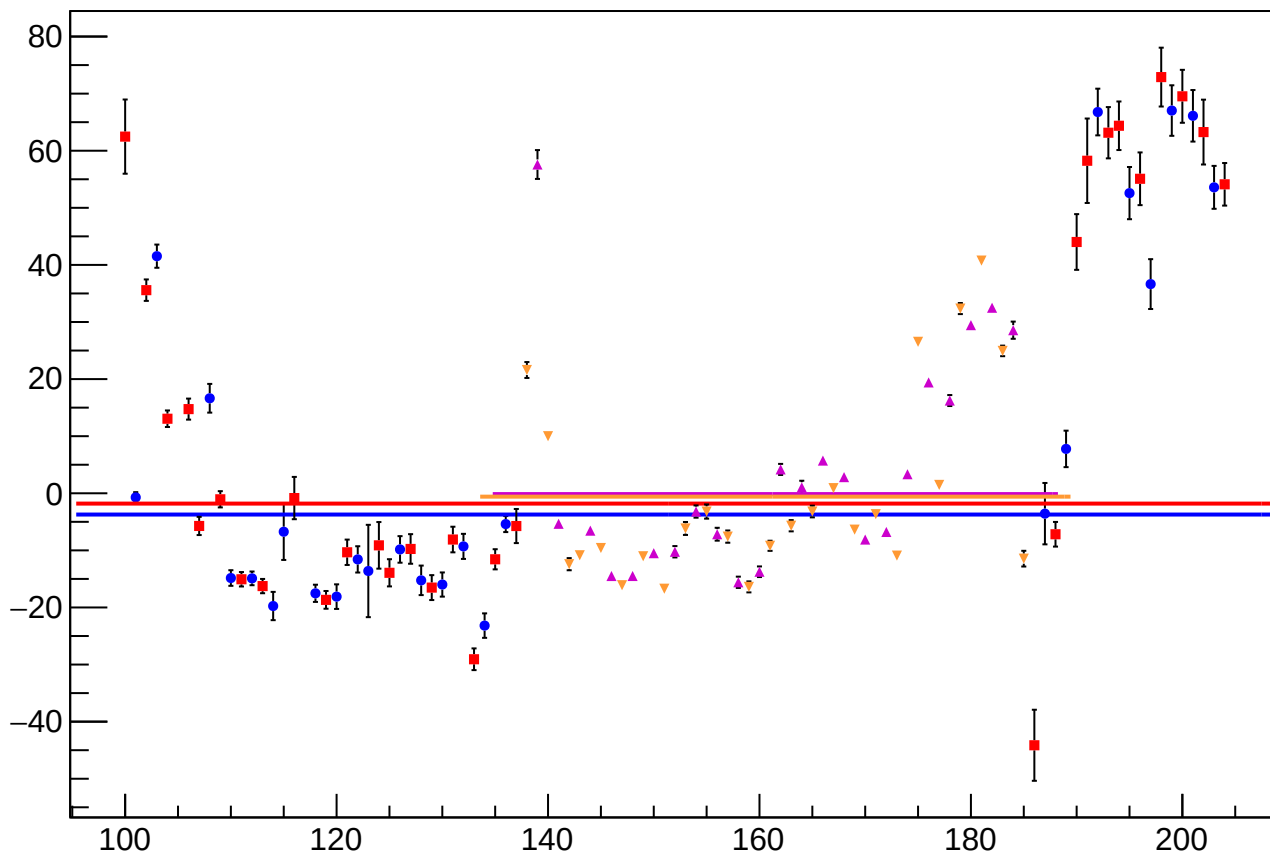
Left In: -42.176 ± 0.227 χ^2/NDF : 14575.9/22

+ sign -41.775 ± 0.218 χ^2/NDF : 18933.1/32

All: -41.251 ± 0.155 χ^2/NDF : 35756.0/66

- sign -40.713 ± 0.221 χ^2/NDF : 16811.2/33

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -3.724 ± 0.413 $\chi^2/\text{NDF}: 2334.7/24$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: -1.807 ± 0.406 $\chi^2/\text{NDF}: 3004.9/29$

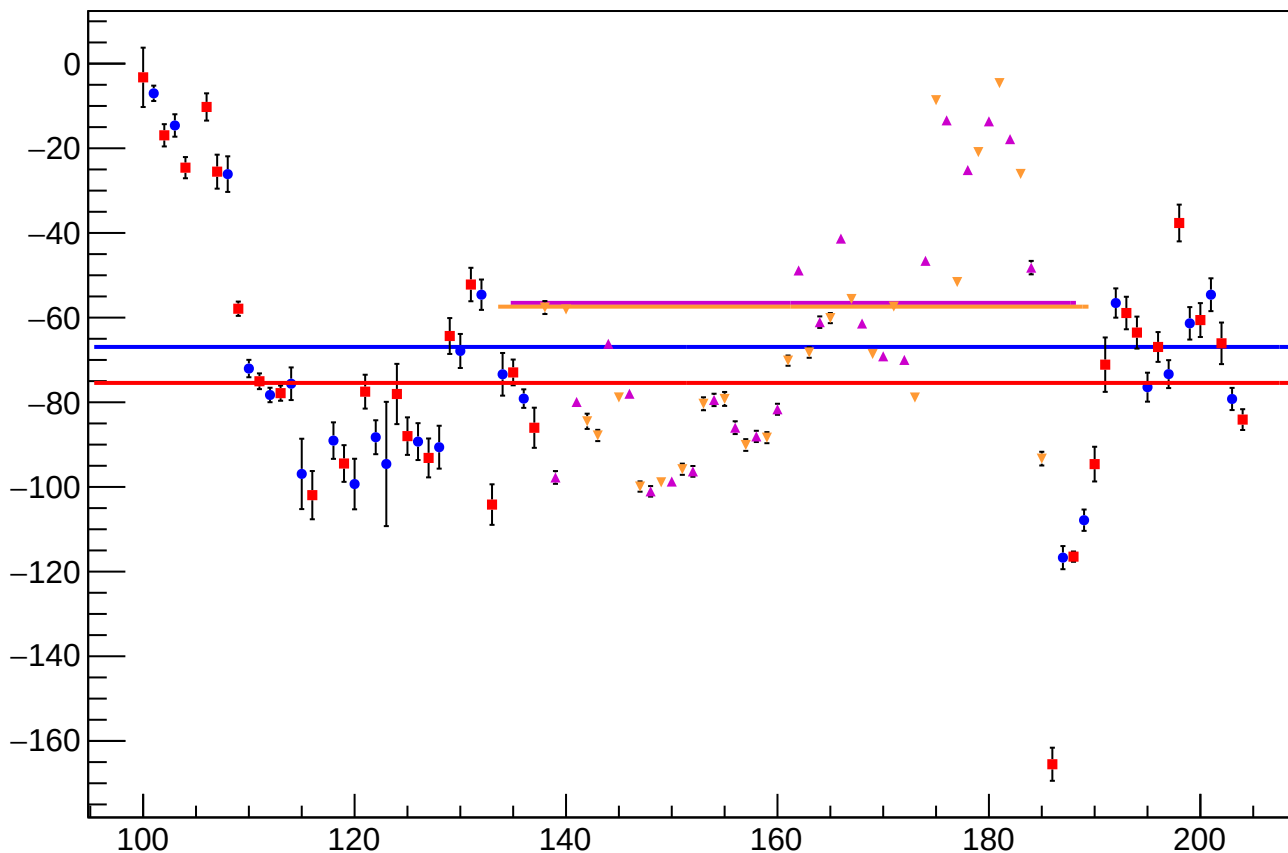
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -1.063 ± 0.161 $\chi^2/\text{NDF}: 11134.5/49$

All: -0.745 ± 0.115 $\chi^2/\text{NDF}: 21023.9/102$

- sign -0.413 ± 0.164 $\chi^2/\text{NDF}: 9881.4/52$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.927 ± 0.617 χ^2/NDF : 2471.4/24

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -75.427 ± 0.544 χ^2/NDF : 3661.8/29

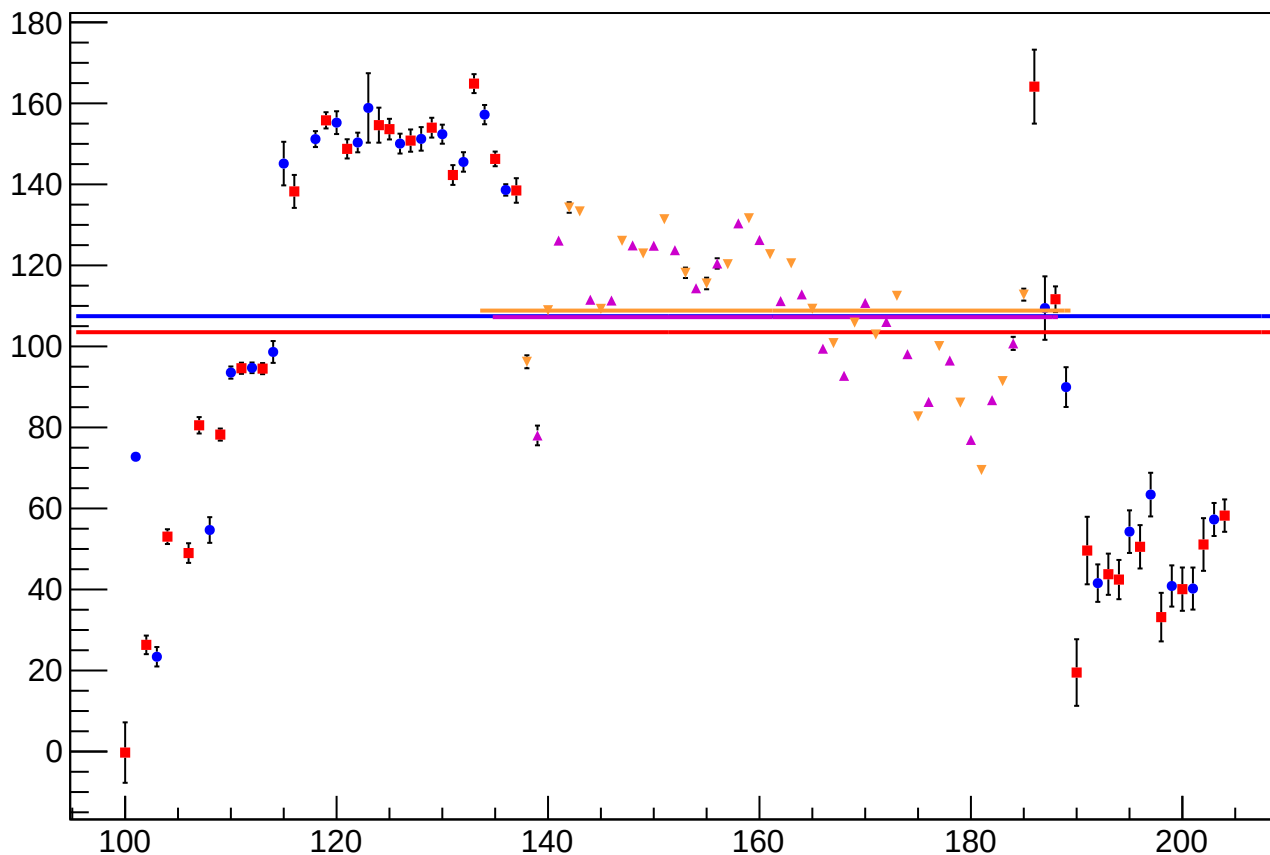
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.513 ± 0.210 χ^2/NDF : 21285.6/49

All: -58.918 ± 0.148 χ^2/NDF : 42335.4/102

- sign -59.322 ± 0.210 χ^2/NDF : 21042.4/52

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 107.466 $\pm$ 0.473 χ^2 /NDF: 6795.7/24

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 103.510 $\pm$ 0.466 χ^2 /NDF: 8163.3/29

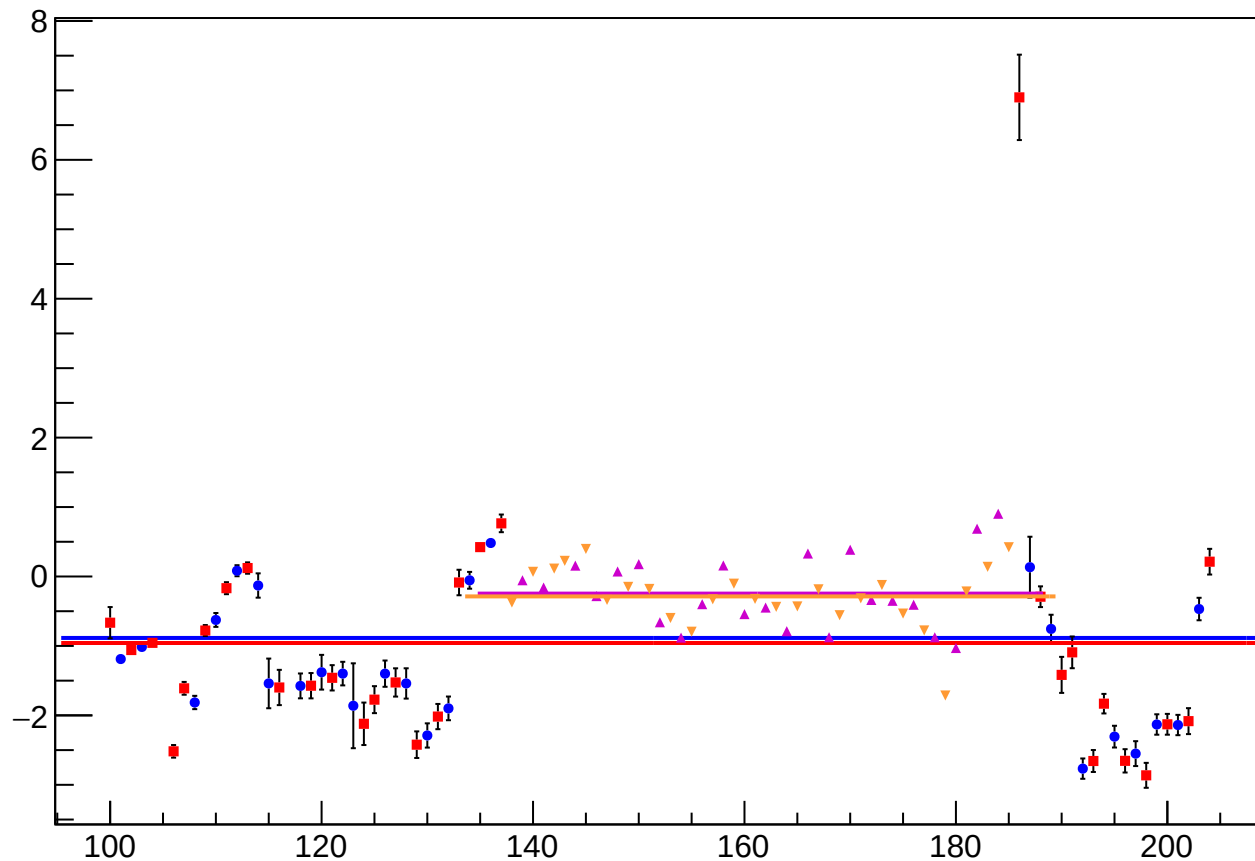
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.641 $\pm$ 0.182 χ^2 /NDF: 14203.2/49

All: 107.658 $\pm$ 0.130 χ^2 /NDF: 28044.7/102

- sign 106.636 $\pm$ 0.186 χ^2 /NDF: 13782.0/52

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.885 ± 0.024 χ^2/NDF : 1536.9/24

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.958 ± 0.022 χ^2/NDF : 2029.8/29

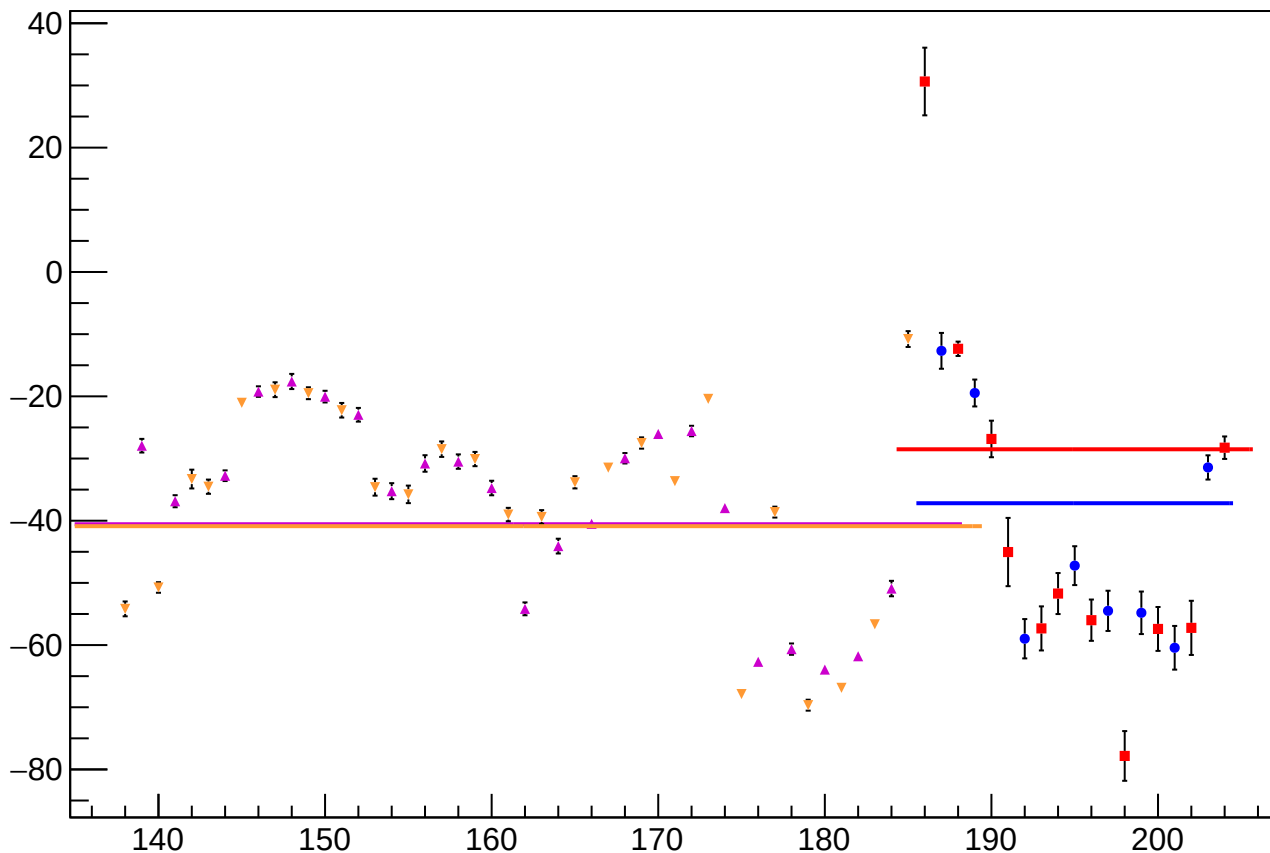
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.363 ± 0.008 χ^2/NDF : 4143.9/49

All: -0.357 ± 0.006 χ^2/NDF : 9839.3/102

- sign -0.352 ± 0.009 χ^2/NDF : 5694.4/52

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -37.188 ± 0.971 χ^2/NDF : 304.9/7

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -28.513 ± 0.768 χ^2/NDF : 770.0/10

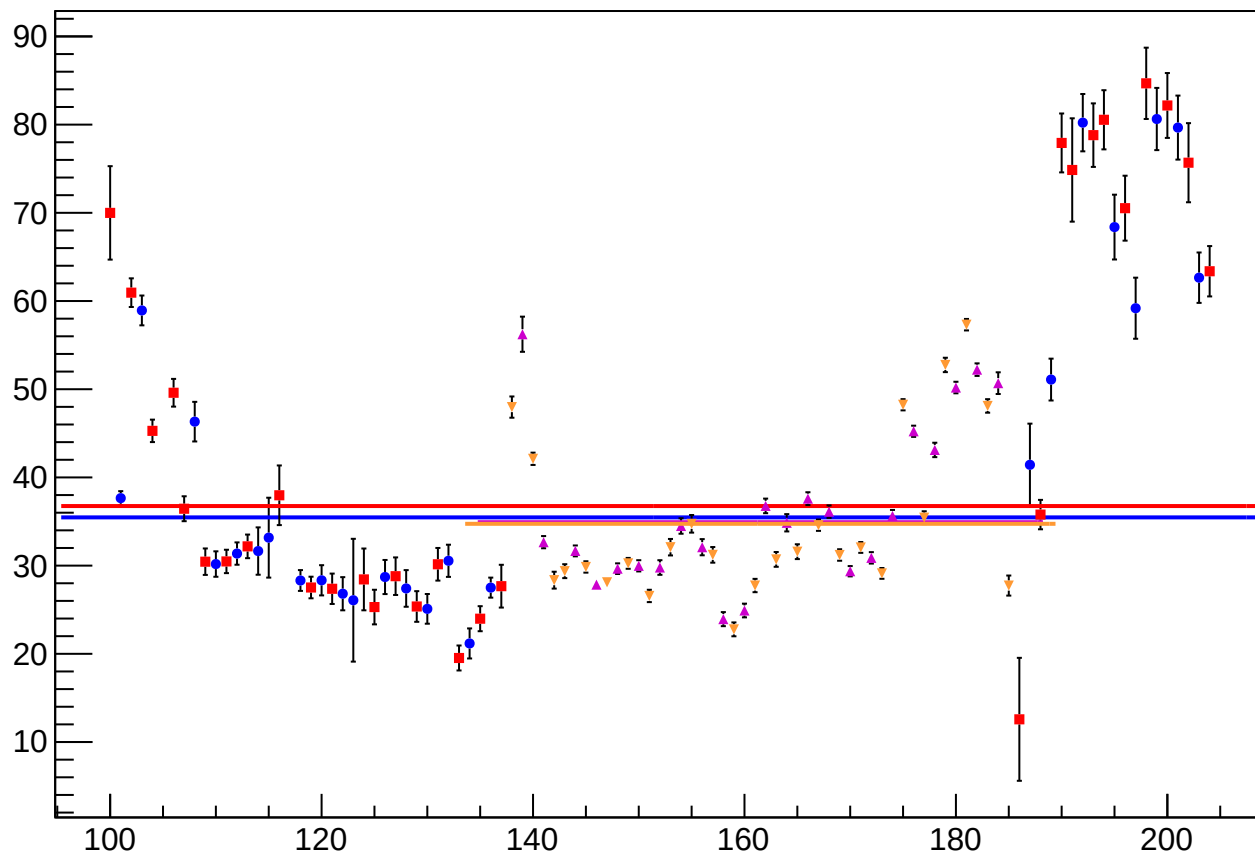
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.749 ± 0.183 χ^2/NDF : 9442.1/32

All: -40.314 ± 0.130 χ^2/NDF : 17410.6/66

- sign -39.872 ± 0.184 χ^2/NDF : 7957.0/33

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 35.469 $\pm$ 0.357 χ^2 /NDF: 1283.6/24

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF:3693.2/24

Right Out: 36.754 $\pm$ 0.354 χ^2 /NDF: 1916.8/29

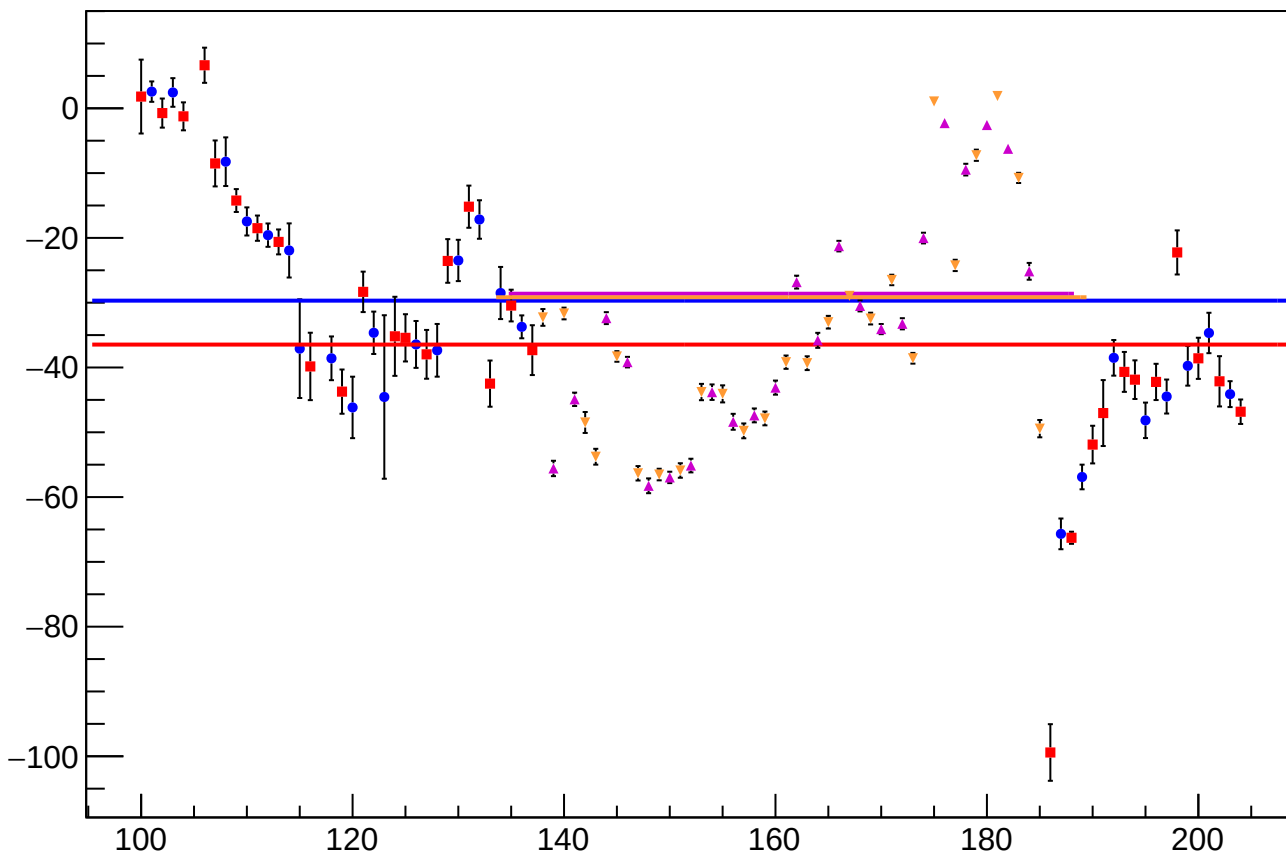
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF:2672.9/22

+ sign 34.847 $\pm$ 0.136 χ^2 /NDF: 4980.3/49

All: 35.023 $\pm$ 0.097 χ^2 /NDF: 9596.1/102

- sign 35.207 $\pm$ 0.139 χ^2 /NDF: 4612.4/52

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -29.684 ± 0.530 $\chi^2/\text{NDF}: 1376.8/24$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -36.464 ± 0.464 $\chi^2/\text{NDF}: 2587.3/29$

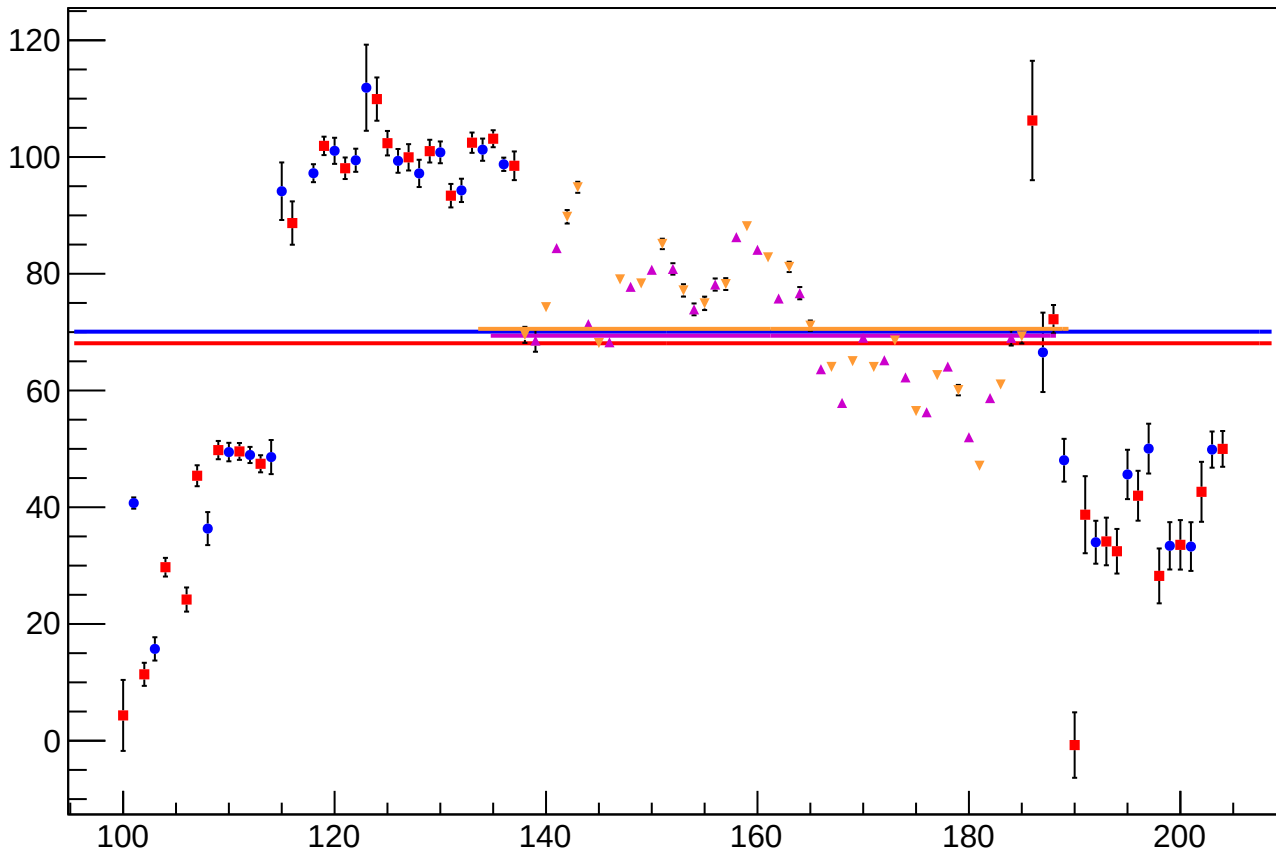
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -29.221 ± 0.176 $\chi^2/\text{NDF}: 11503.7/49$

All: -29.482 ± 0.124 $\chi^2/\text{NDF}: 23381.1/102$

- sign -29.741 ± 0.176 $\chi^2/\text{NDF}: 11873.1/52$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 70.080 $\pm$ 0.410 χ^2 /NDF: 5095.2/24

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF: 4589.1/24

Right Out: 68.093 $\pm$ 0.409 χ^2 /NDF: 6111.6/29

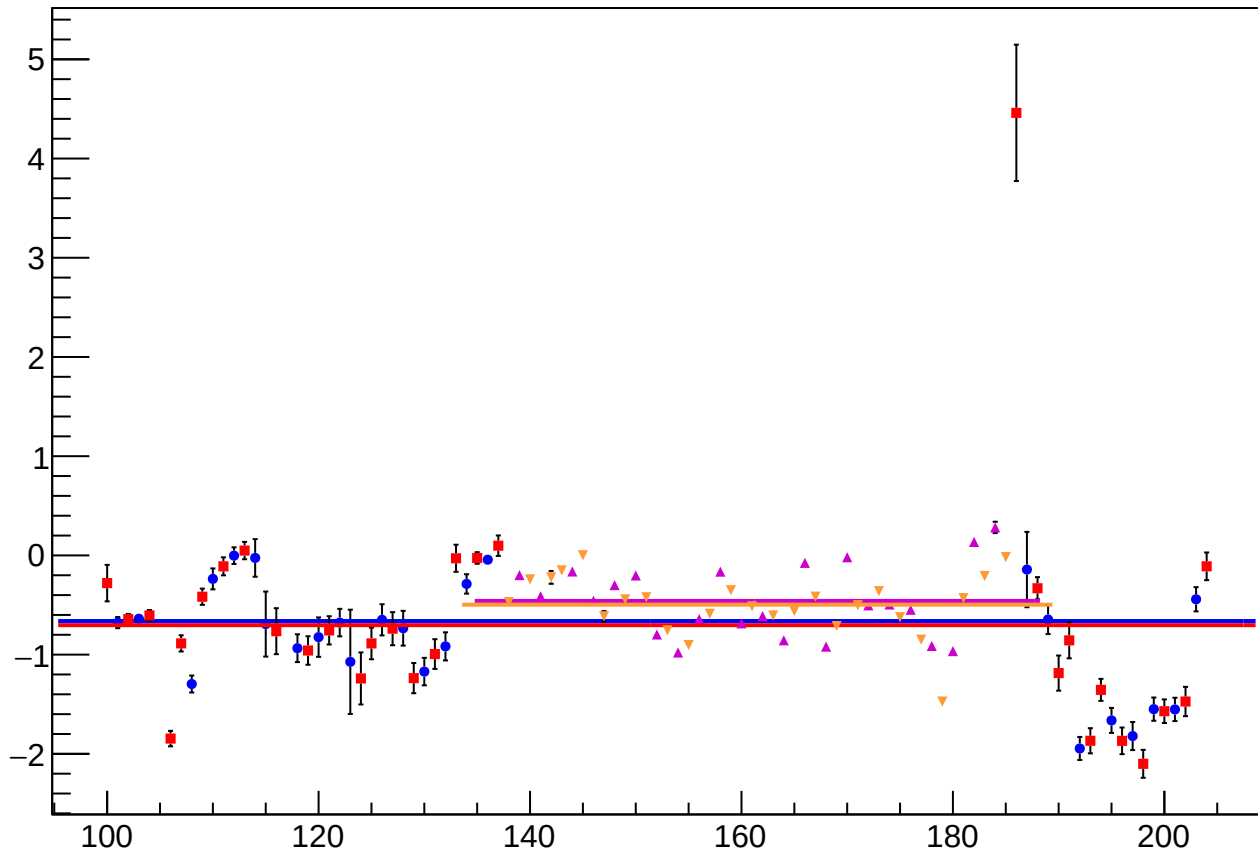
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF: 3321.8/22

+ sign 70.495 $\pm$ 0.154 χ^2 /NDF: 9685.5/49

All: 69.858 $\pm$ 0.110 χ^2 /NDF: 19162.3/102

- sign 69.196 $\pm$ 0.157 χ^2 /NDF: 9442.0/52

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.661 ± 0.020 χ^2/NDF : 727.3/24

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.703 ± 0.019 χ^2/NDF : 1070.4/29

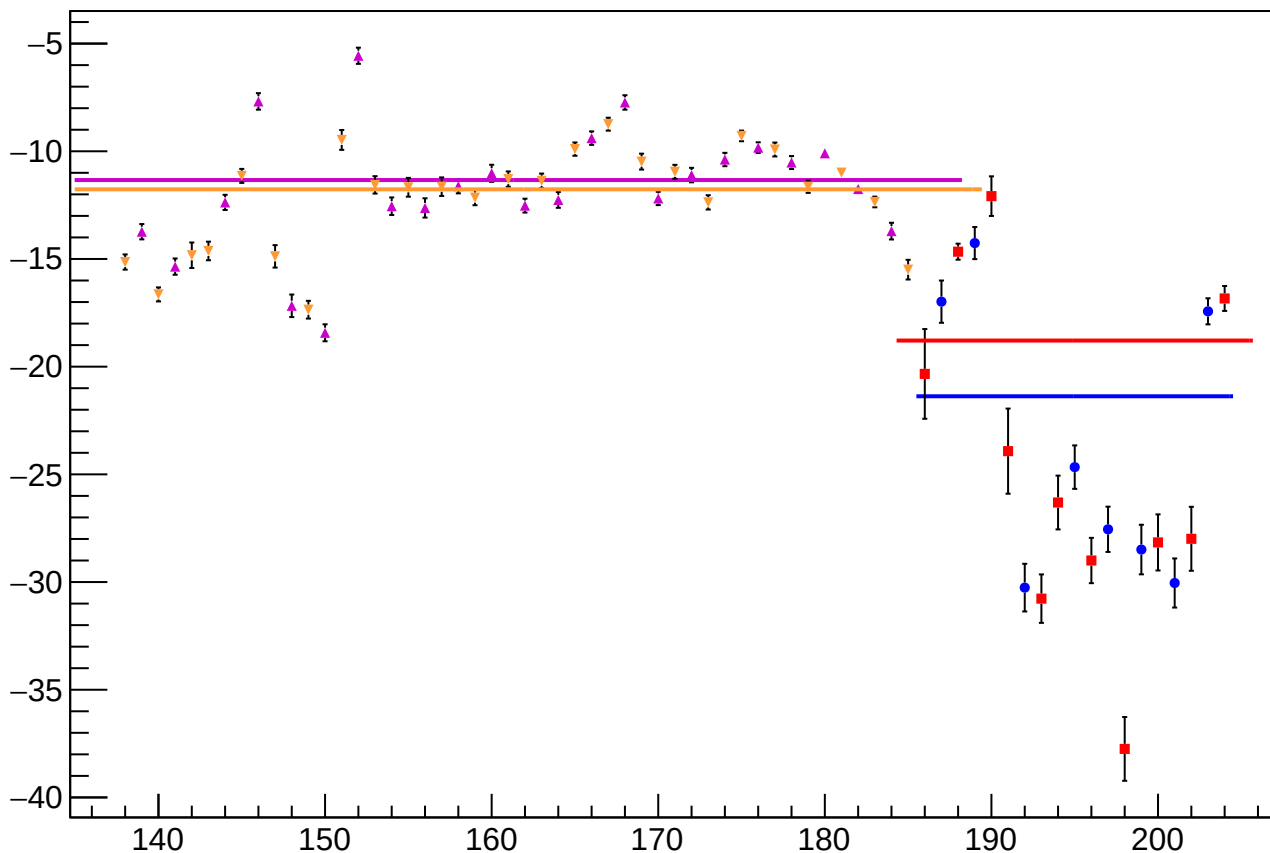
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.517 ± 0.007 χ^2/NDF : 2234.9/49

All: -0.505 ± 0.005 χ^2/NDF : 5409.7/102

- sign -0.493 ± 0.007 χ^2/NDF : 3169.2/52

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -21.375 ± 0.320 $\chi^2/\text{NDF}: 359.2/7$

Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$

Right Out: -18.788 ± 0.252 $\chi^2/\text{NDF}: 692.9/10$

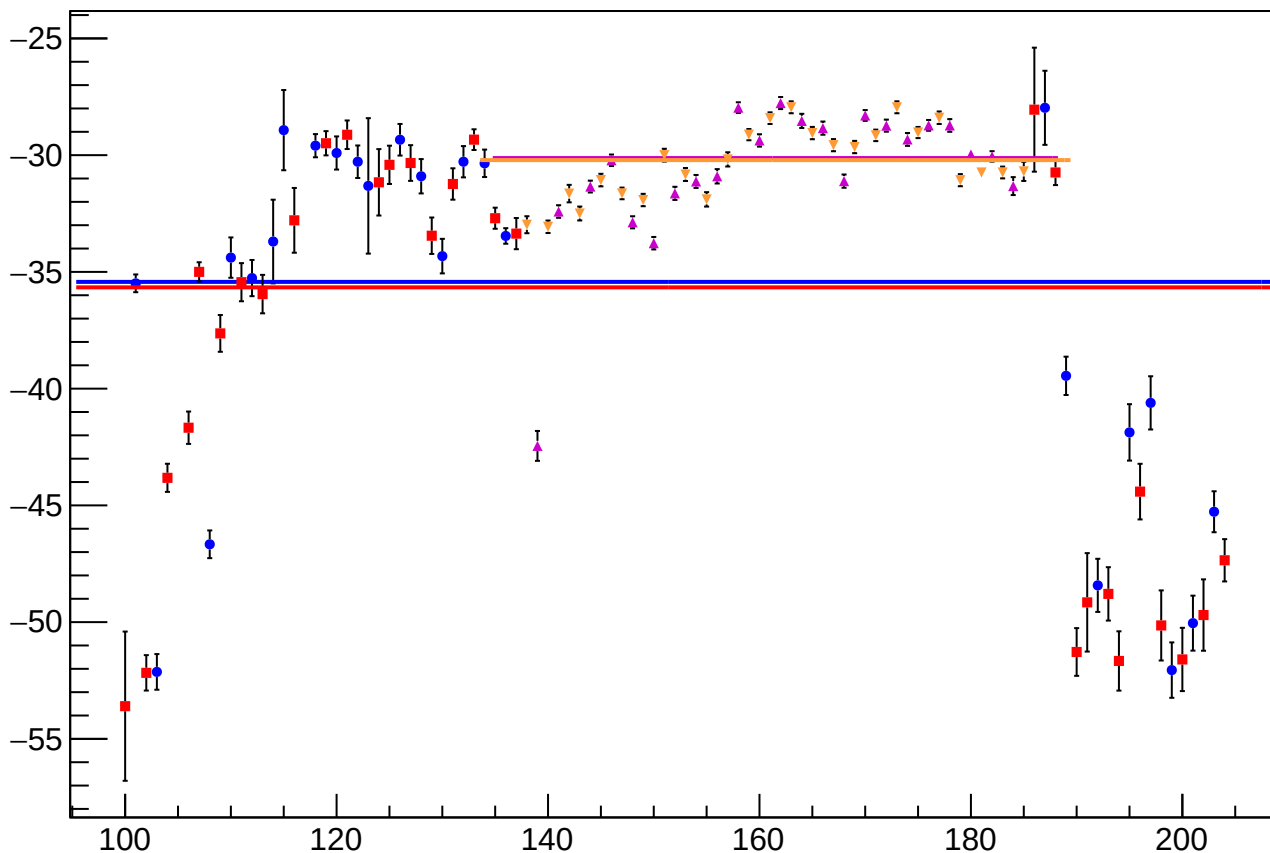
Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -12.168 ± 0.065 $\chi^2/\text{NDF}: 2246.3/32$

All: -12.005 ± 0.046 $\chi^2/\text{NDF}: 5034.0/66$

- sign -11.841 ± 0.066 $\chi^2/\text{NDF}: 2775.2/33$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -35.427 ± 0.141 χ^2/NDF : 2100.6/24

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -35.662 ± 0.137 χ^2/NDF : 2634.9/29

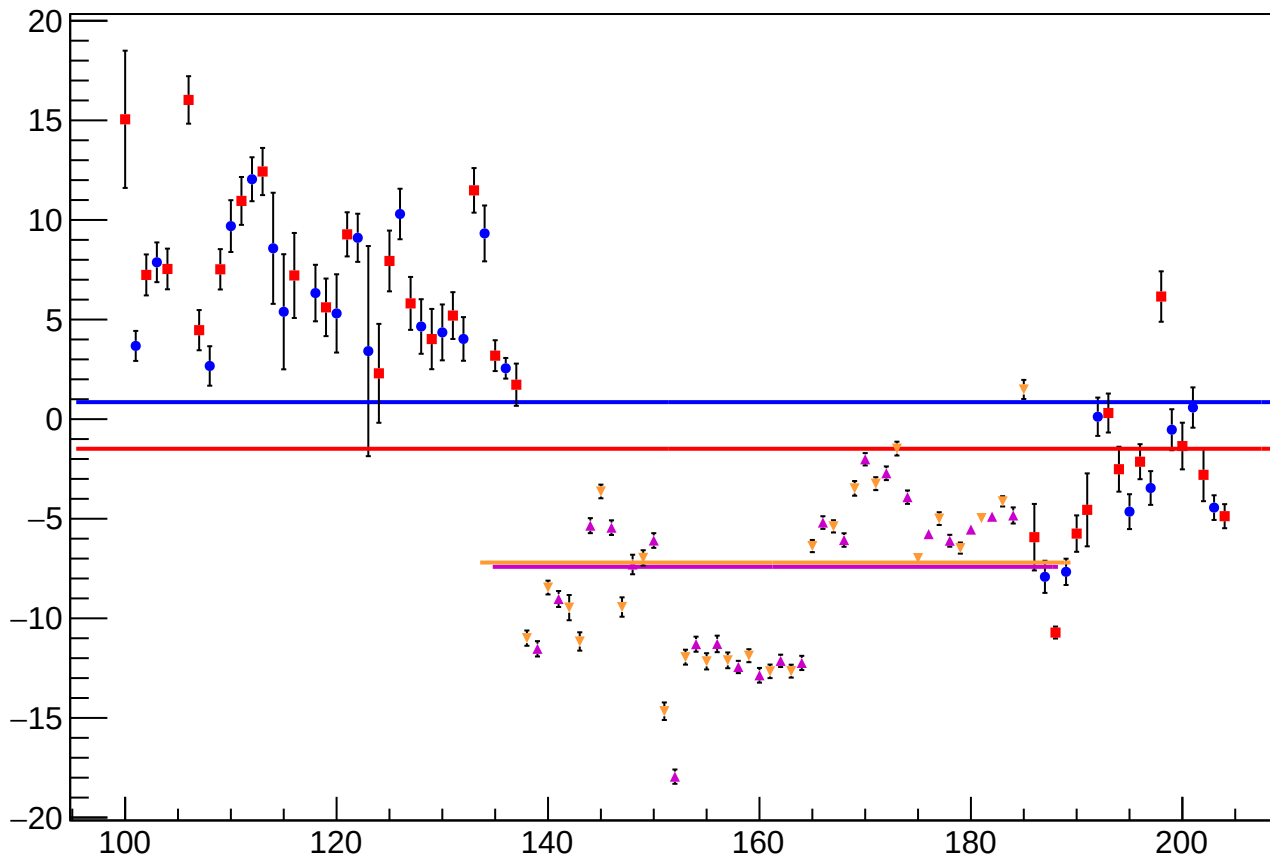
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.874 ± 0.050 χ^2/NDF : 4025.4/49

All: -30.890 ± 0.036 χ^2/NDF : 9291.5/102

- sign -30.905 ± 0.051 χ^2/NDF : 5266.0/52

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 0.854 ± 0.197 χ^2/NDF : 843.9/24

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -1.486 ± 0.172 χ^2/NDF : 2229.0/29

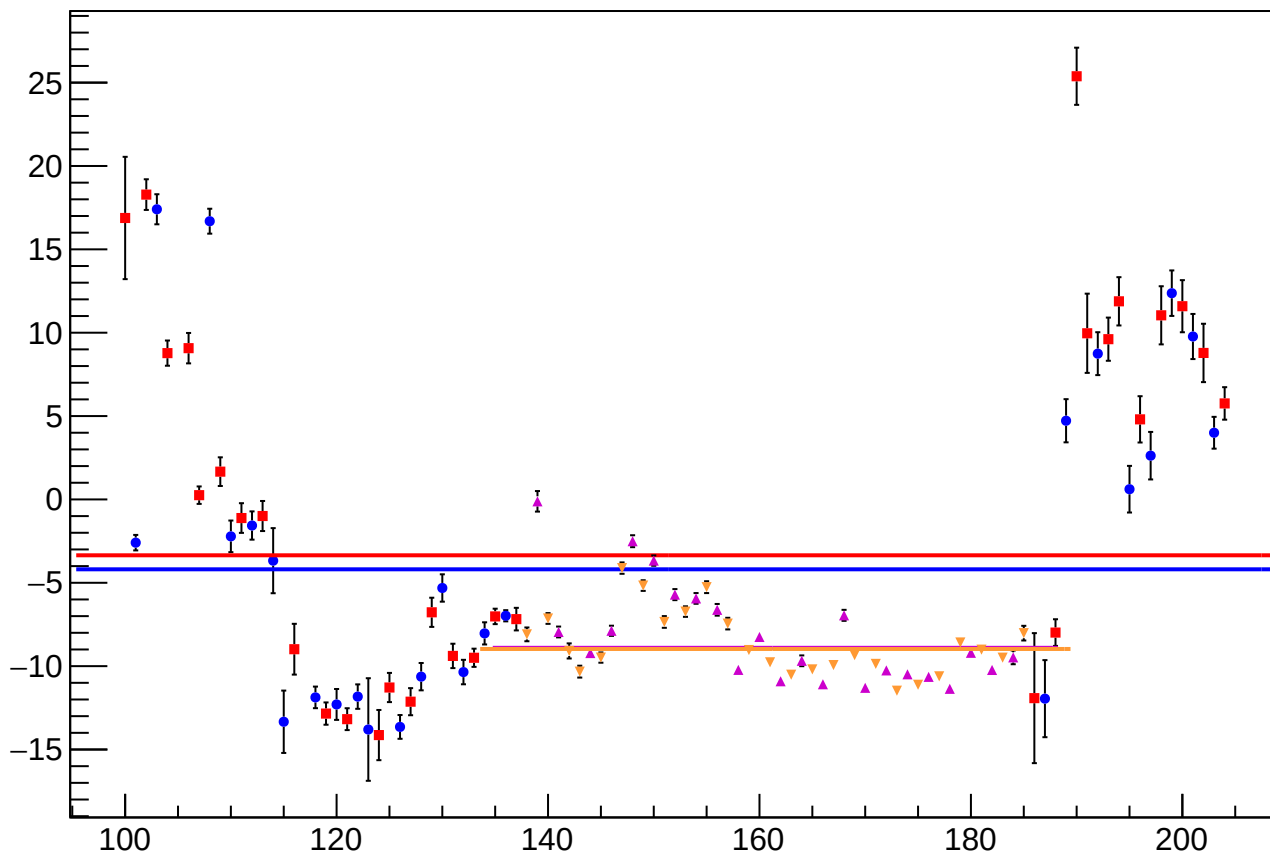
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.366 ± 0.063 χ^2/NDF : 5380.5/49

All: -6.490 ± 0.045 χ^2/NDF : 11773.1/102

- sign -6.613 ± 0.063 χ^2/NDF : 6385.0/52

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.192 ± 0.161 $\chi^2/\text{NDF}: 2673.2/24$

Left Out: -8.970 ± 0.060 $\chi^2/\text{NDF}: 878.8/24$

Right Out: -3.351 ± 0.160 $\chi^2/\text{NDF}: 3007.5/29$

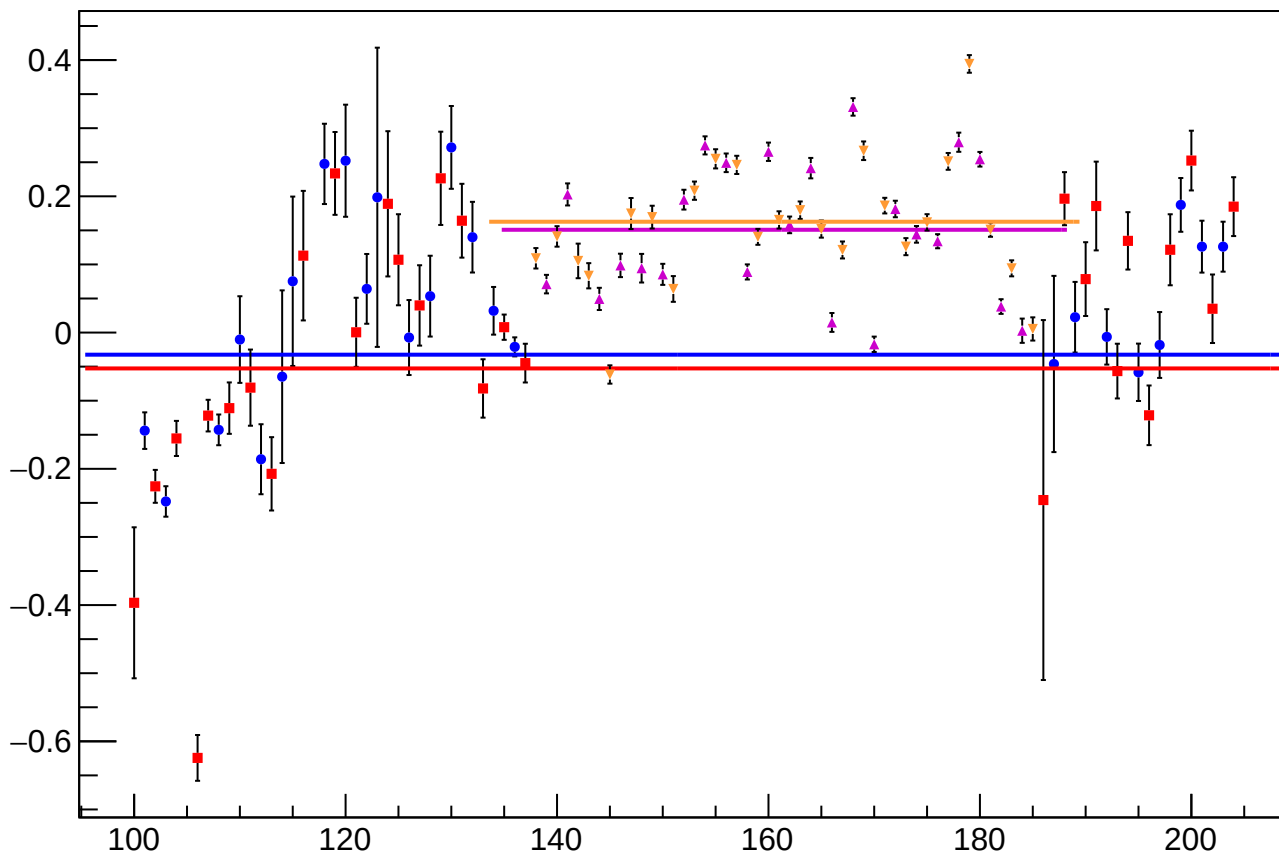
Left In: -8.900 ± 0.062 $\chi^2/\text{NDF}: 1533.9/22$

+ sign -8.382 ± 0.056 $\chi^2/\text{NDF}: 4327.8/49$

All: -8.283 ± 0.040 $\chi^2/\text{NDF}: 9926.3/102$

- sign -8.181 ± 0.058 $\chi^2/\text{NDF}: 5592.2/52$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.032 ± 0.007 χ^2/NDF : 294.7/24

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.053 ± 0.007 χ^2/NDF : 645.3/29

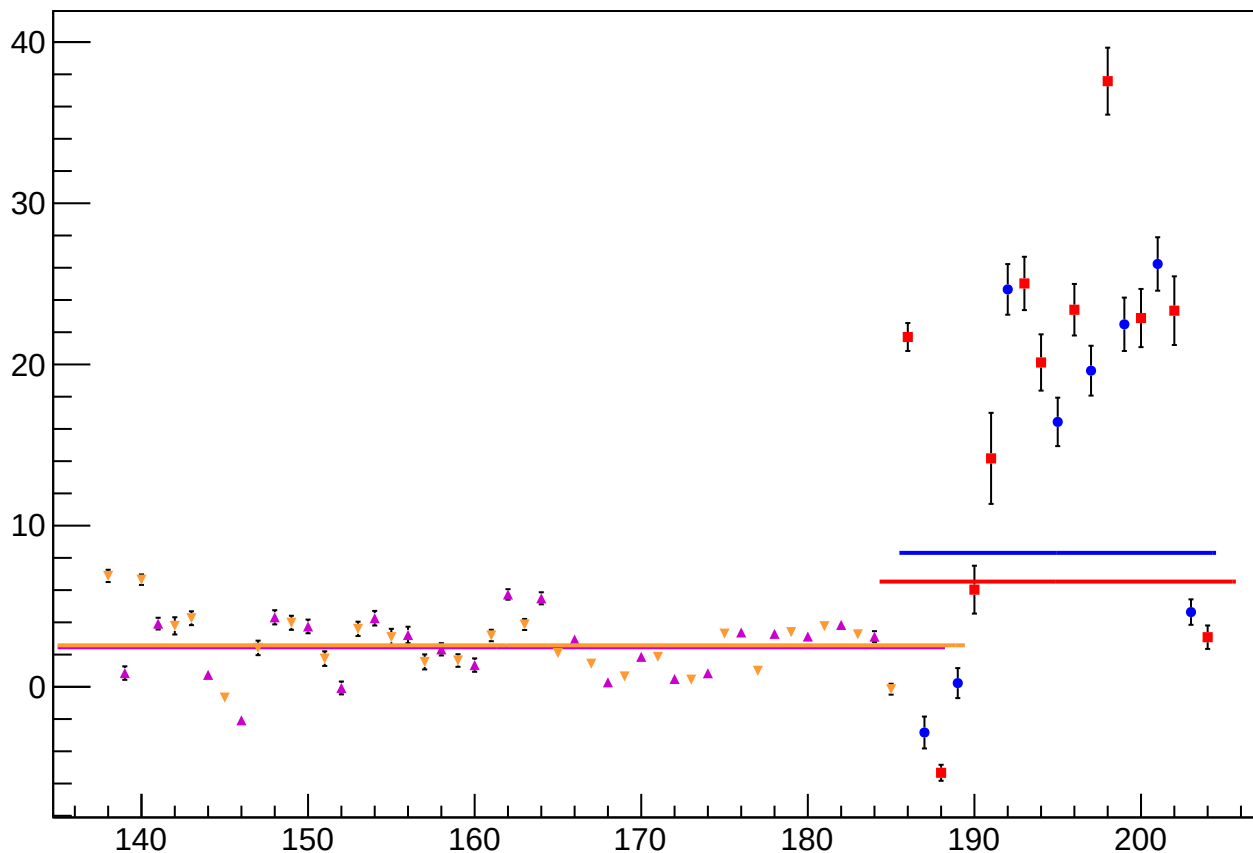
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.139 ± 0.003 χ^2/NDF : 1924.7/49

All: 0.132 ± 0.002 χ^2/NDF : 4552.4/102

- sign 0.125 ± 0.003 χ^2/NDF : 2612.7/52

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 8.311 ± 0.416 χ^2/NDF : 605.3/7

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 6.529 ± 0.321 χ^2/NDF : 1572.5/10

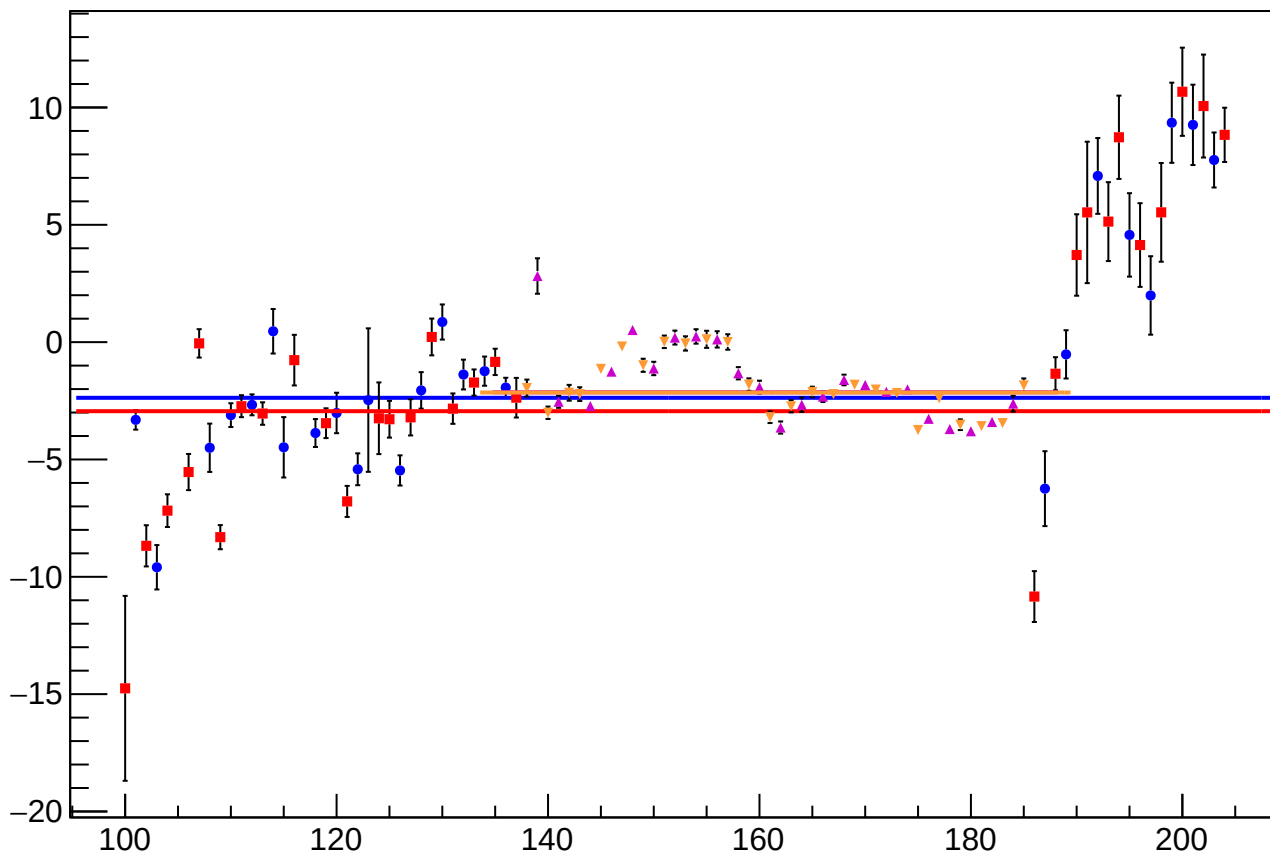
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.687 ± 0.058 χ^2/NDF : 1659.0/32

All: 2.638 ± 0.041 χ^2/NDF : 4260.2/66

- sign 2.587 ± 0.058 χ^2/NDF : 2599.7/33

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.372 ± 0.148 χ^2/NDF : 391.1/24

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -2.942 ± 0.145 χ^2/NDF : 677.1/29

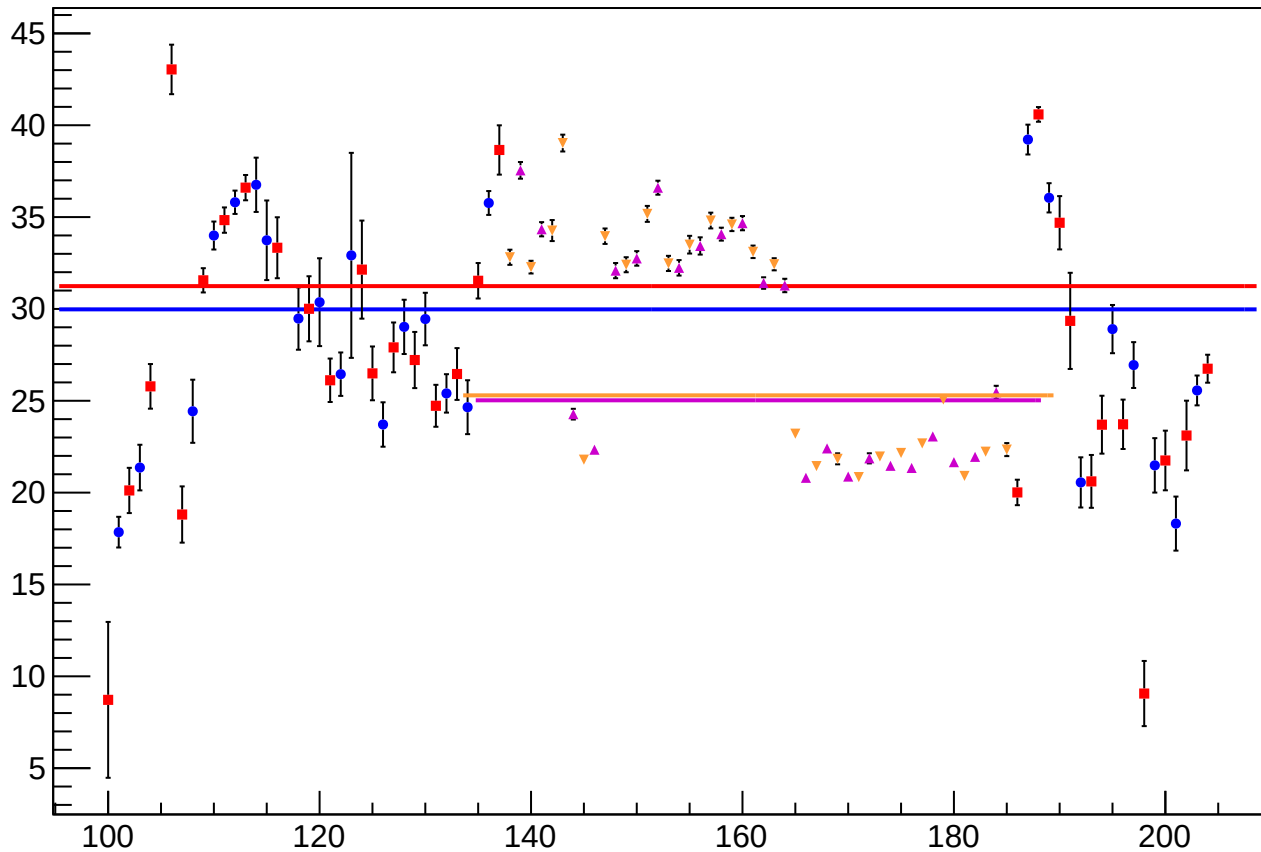
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.167 ± 0.045 χ^2/NDF : 966.5/49

All: -2.192 ± 0.032 χ^2/NDF : 2363.2/102

- sign -2.217 ± 0.046 χ^2/NDF : 1396.1/52

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.976 $\pm$ 0.217 χ^2 /NDF: 921.0/24

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 31.242 $\pm$ 0.190 χ^2 /NDF: 1646.6/29

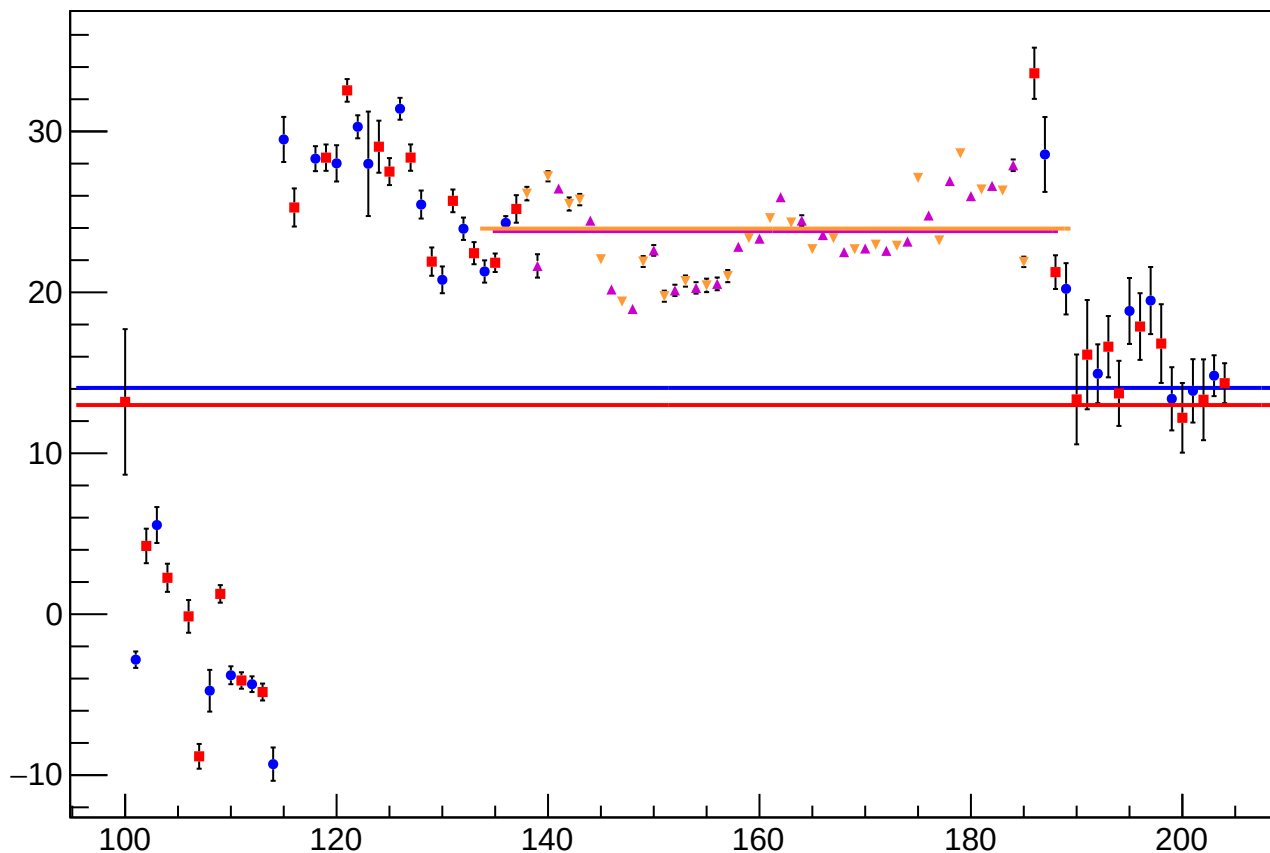
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.616 $\pm$ 0.057 χ^2 /NDF: 9626.6/49

All: 25.600 $\pm$ 0.040 χ^2 /NDF: 19862.6/102

- sign 25.585 $\pm$ 0.057 χ^2 /NDF: 10235.9/52

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.061 $\pm$ 0.167 χ^2 /NDF: 7343.4/24

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.996 $\pm$ 0.166 χ^2 /NDF: 7208.7/29

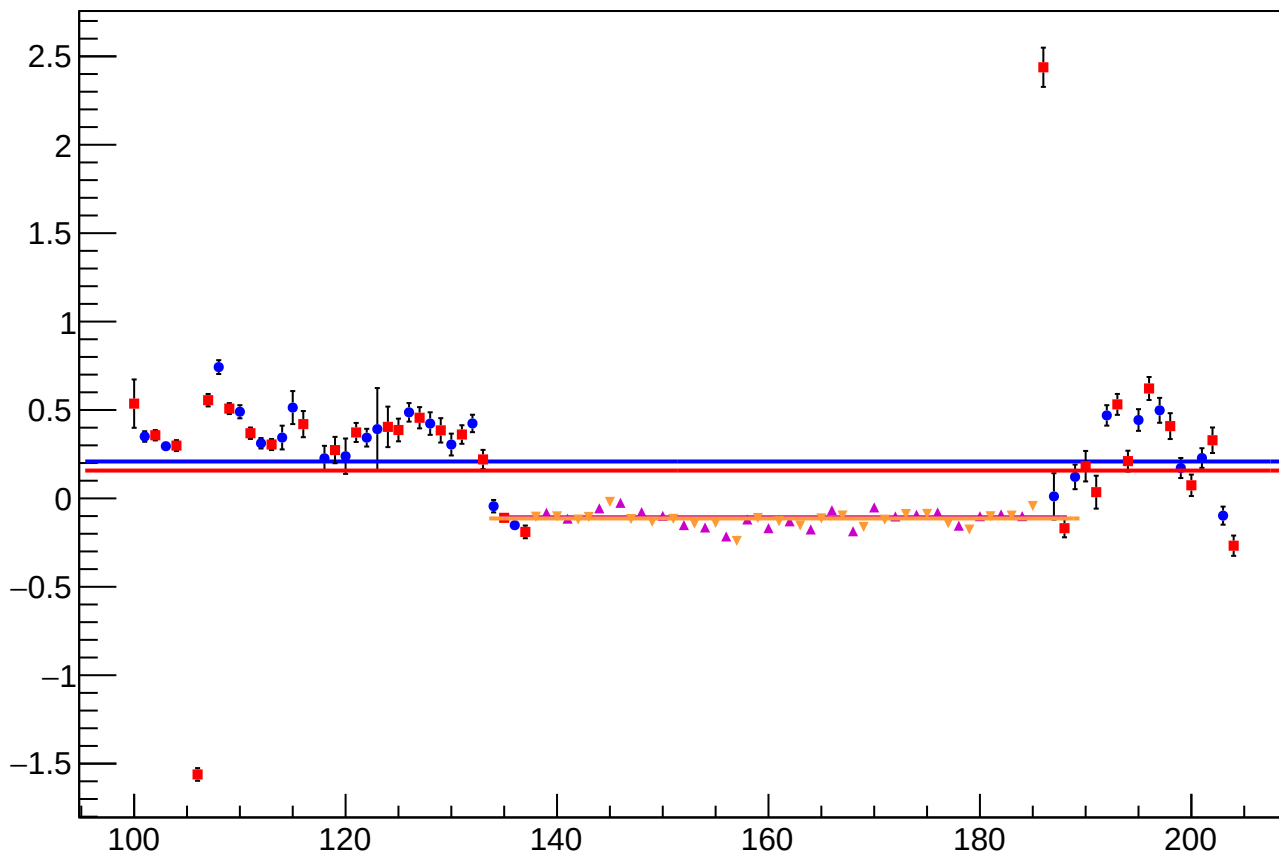
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.050 $\pm$ 0.051 χ^2 /NDF: 12459.7/49

All: 22.909 $\pm$ 0.036 χ^2 /NDF: 25298.9/102

- sign 22.764 $\pm$ 0.051 χ^2 /NDF: 12823.5/52

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.209 ± 0.009 χ^2/NDF : 938.8/24

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.157 ± 0.008 χ^2/NDF : 3647.8/29

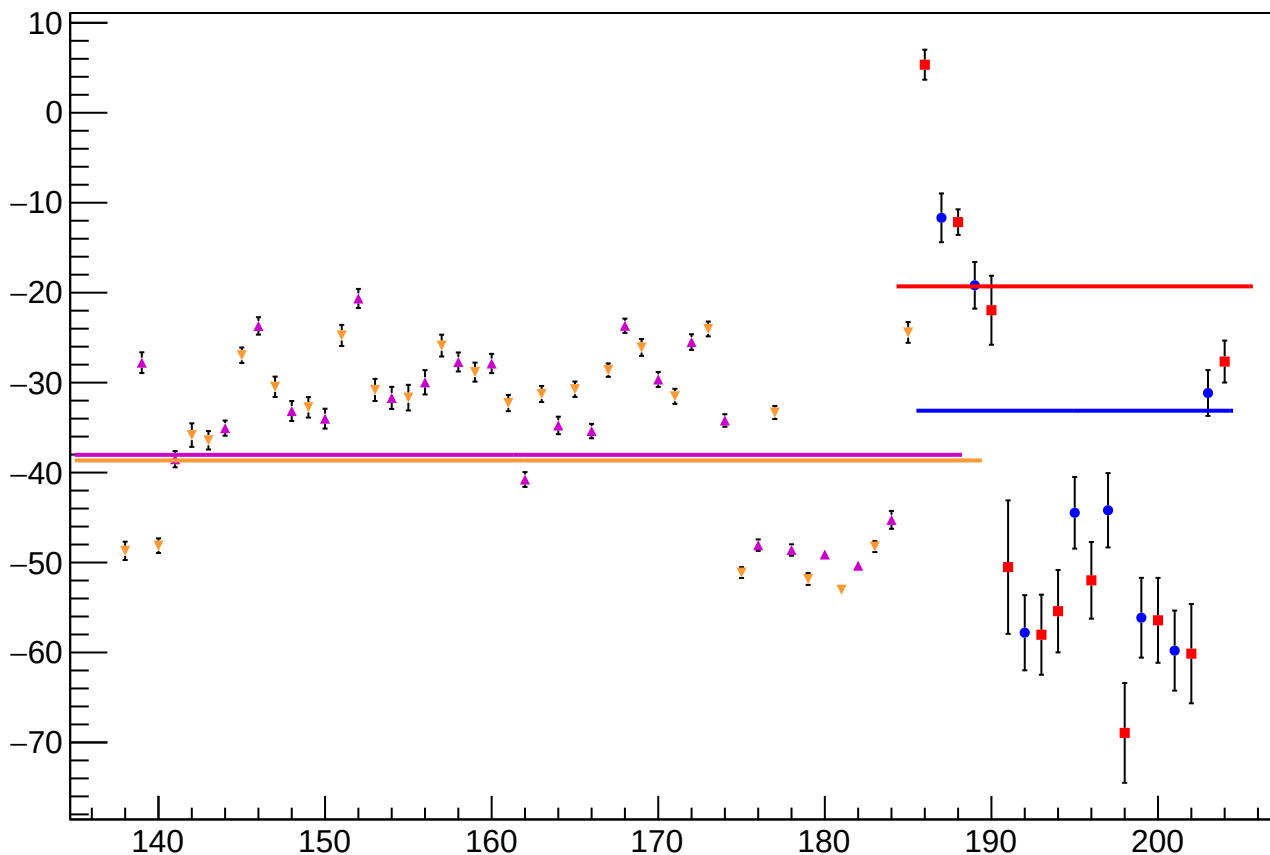
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.090 ± 0.002 χ^2/NDF : 2520.0/49

All: -0.088 ± 0.002 χ^2/NDF : 7405.8/102

- sign -0.086 ± 0.002 χ^2/NDF : 4884.1/52

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -33.122 ± 1.179 χ^2/NDF : 205.1/7

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -19.298 ± 0.849 χ^2/NDF : 667.7/10

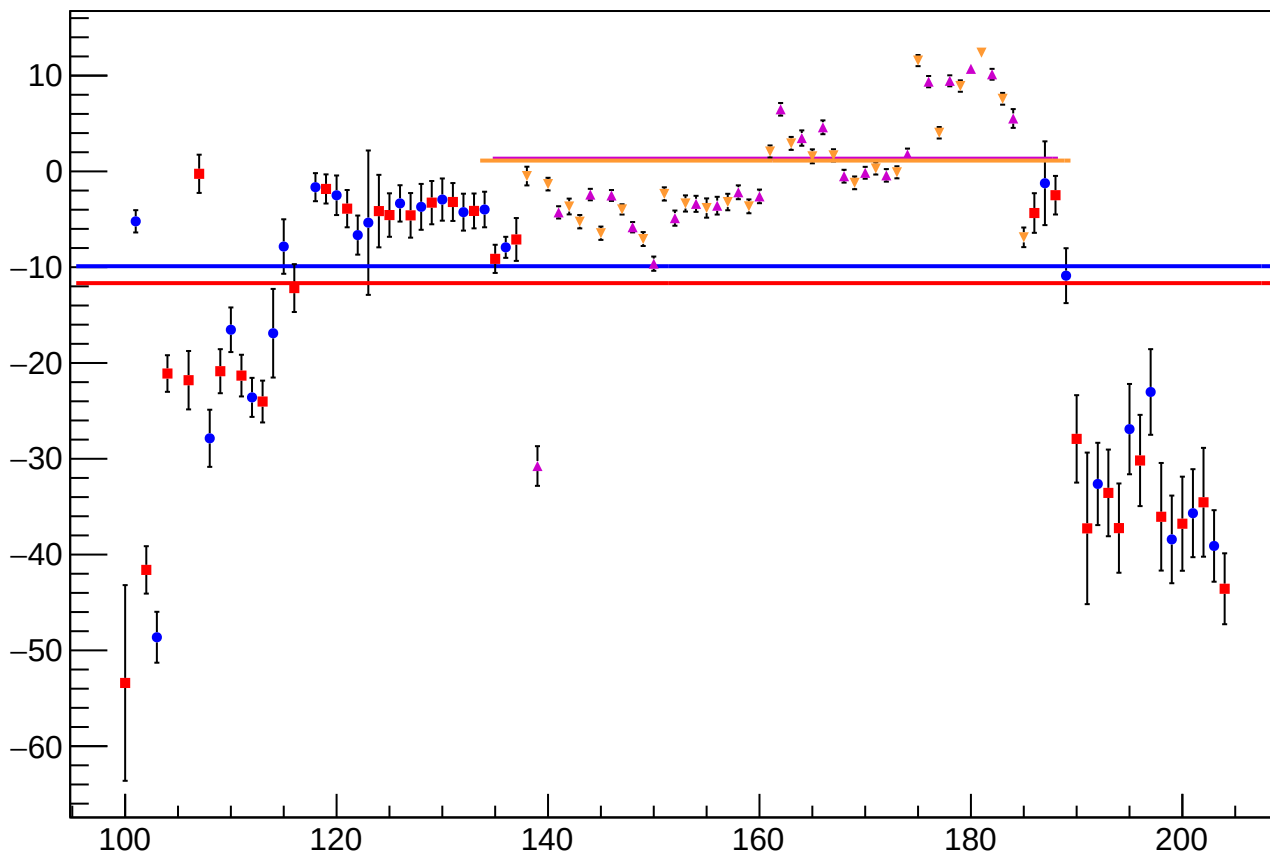
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.538 ± 0.167 χ^2/NDF : 4303.9/32

All: -37.917 ± 0.119 χ^2/NDF : 8558.7/66

- sign -37.279 ± 0.170 χ^2/NDF : 4226.9/33

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -9.897 ± 0.444 χ^2/NDF : 604.4/24

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -11.664 ± 0.447 χ^2/NDF : 696.8/29

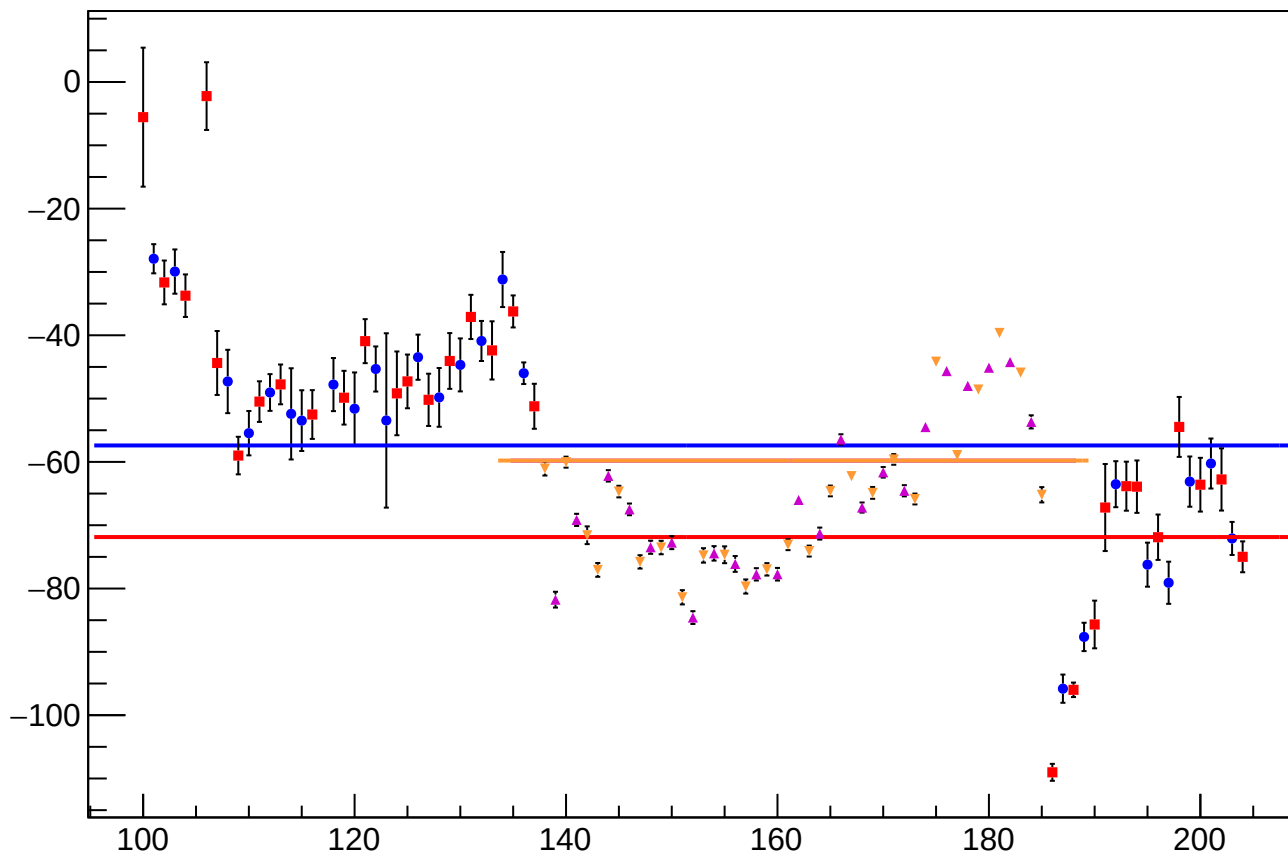
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.182 ± 0.130 χ^2/NDF : 2968.8/49

All: 0.178 ± 0.093 χ^2/NDF : 6482.2/102

- sign 0.173 ± 0.133 χ^2/NDF : 3513.4/52

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -57.403 ± 0.653 χ^2/NDF : 981.4/24

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -71.869 ± 0.555 χ^2/NDF : 2497.3/29

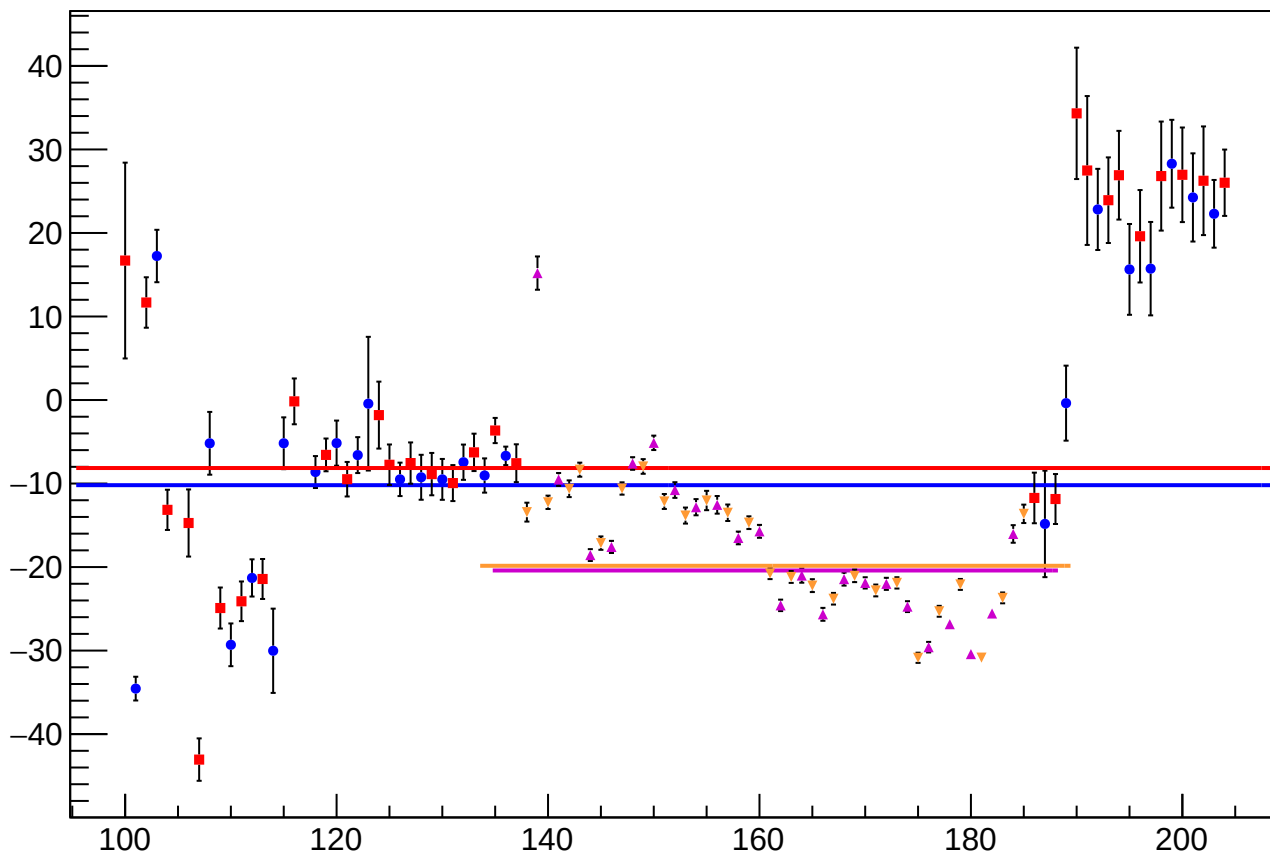
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.637 ± 0.165 χ^2/NDF : 6831.6/49

All: -60.253 ± 0.117 χ^2/NDF : 15005.8/102

- sign -60.875 ± 0.165 χ^2/NDF : 8146.1/52

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -10.196 ± 0.503 χ^2/NDF : 747.3/24

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -8.142 ± 0.517 χ^2/NDF : 713.6/29

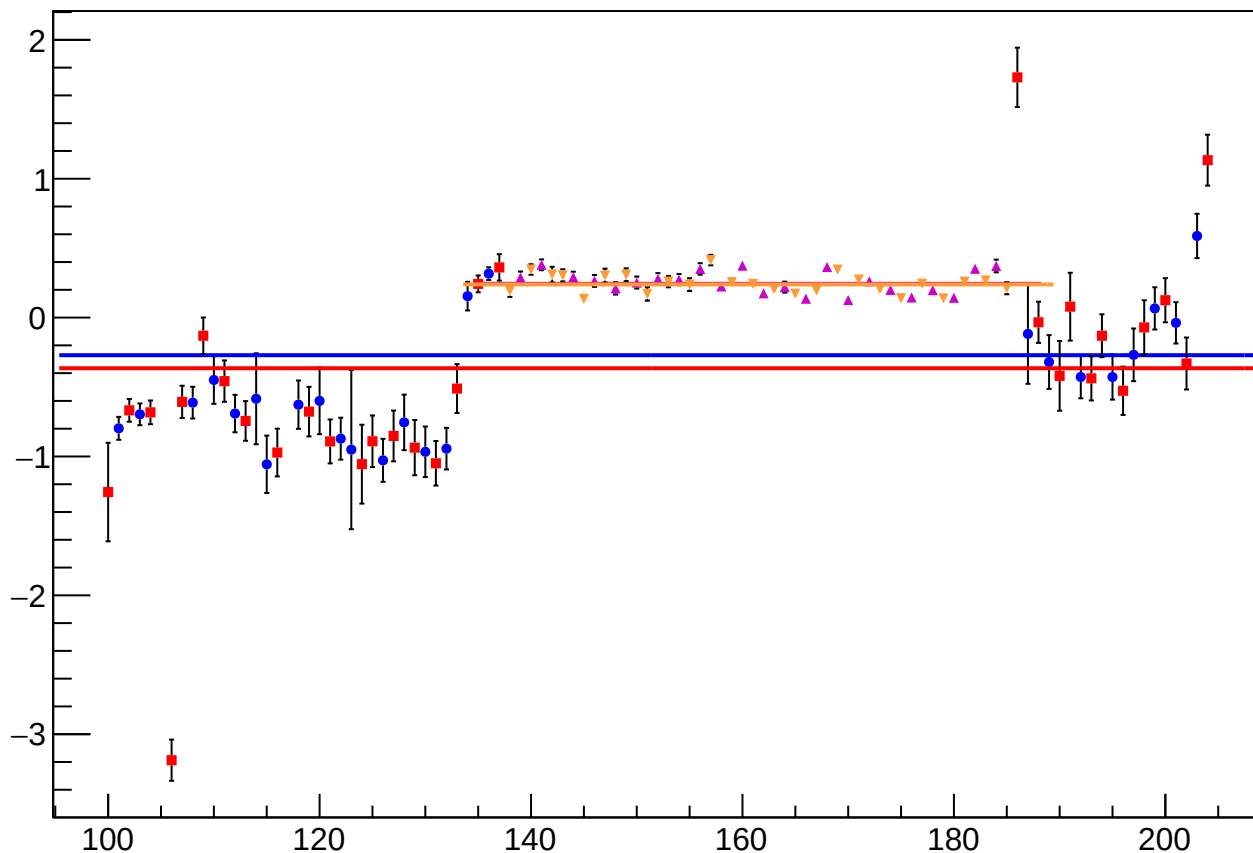
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.031 ± 0.146 χ^2/NDF : 3016.3/49

All: -19.199 ± 0.105 χ^2/NDF : 6551.2/102

- sign -19.377 ± 0.150 χ^2/NDF : 3532.1/52

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.271 ± 0.025 χ^2/NDF : 411.9/24

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.365 ± 0.025 χ^2/NDF : 830.4/29

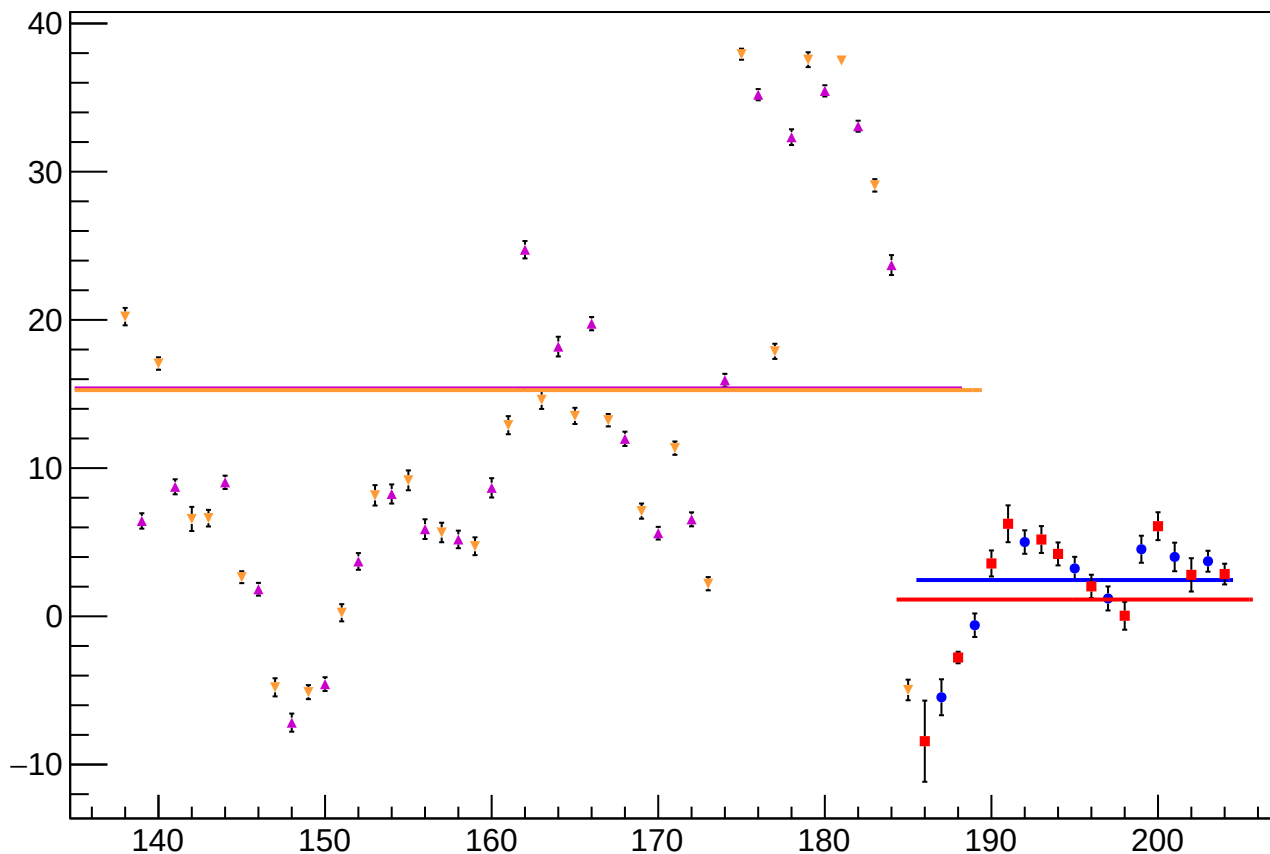
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.202 ± 0.007 χ^2/NDF : 886.3/49

All: 0.200 ± 0.005 χ^2/NDF : 2388.8/102

- sign 0.198 ± 0.007 χ^2/NDF : 1502.3/52

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.448 ± 0.298 $\chi^2/\text{NDF}: 82.0/7$

Left Out: 15.263 ± 0.100 $\chi^2/\text{NDF}: 19175.2/24$

Right Out: 1.133 ± 0.234 $\chi^2/\text{NDF}: 212.2/10$

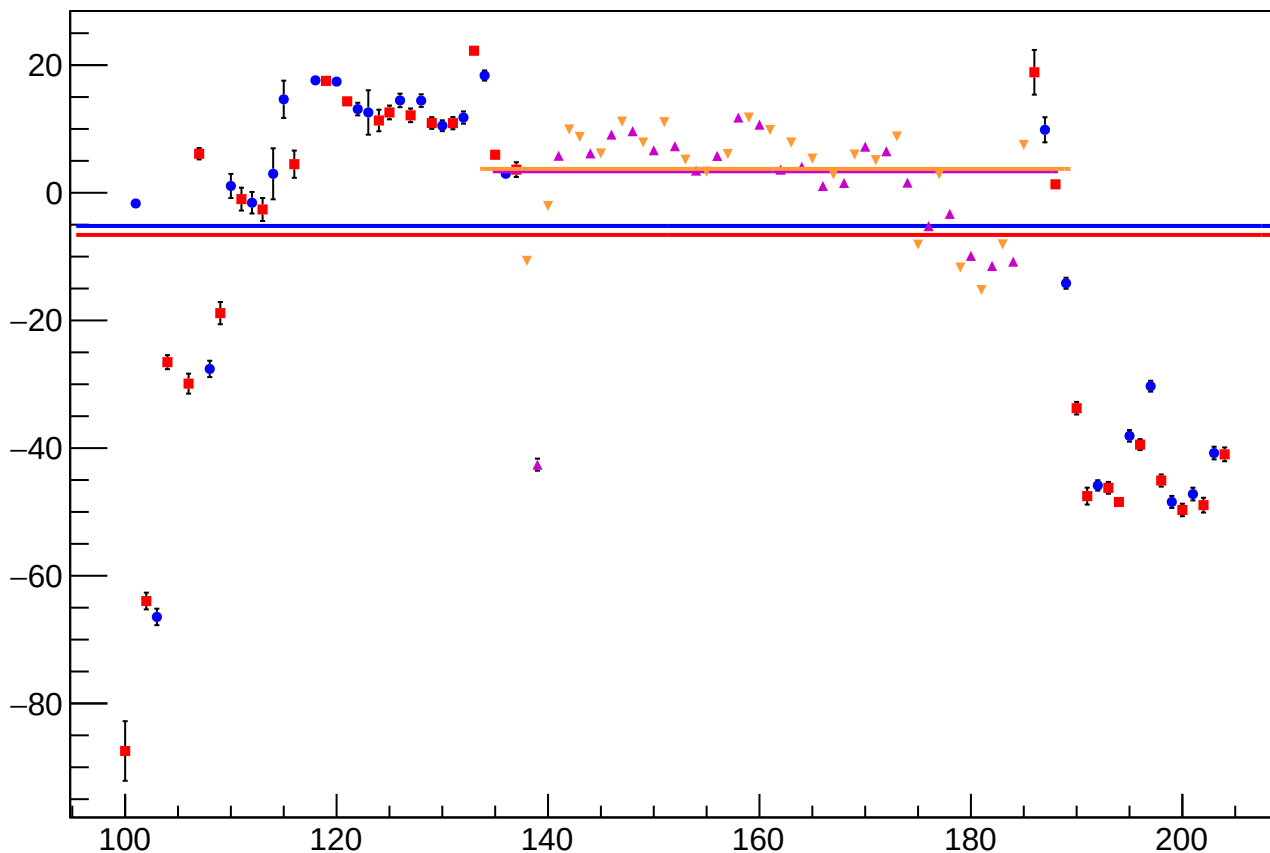
Left In: 15.377 ± 0.103 $\chi^2/\text{NDF}: 16268.9/22$

+ sign 13.950 ± 0.095 $\chi^2/\text{NDF}: 20922.3/32$

All: 13.506 ± 0.067 $\chi^2/\text{NDF}: 40555.7/66$

- sign 13.072 ± 0.094 $\chi^2/\text{NDF}: 19590.3/33$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -5.195 ± 0.183 χ^2/NDF : 18831.2/24

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -6.601 ± 0.170 χ^2/NDF : 25731.2/29

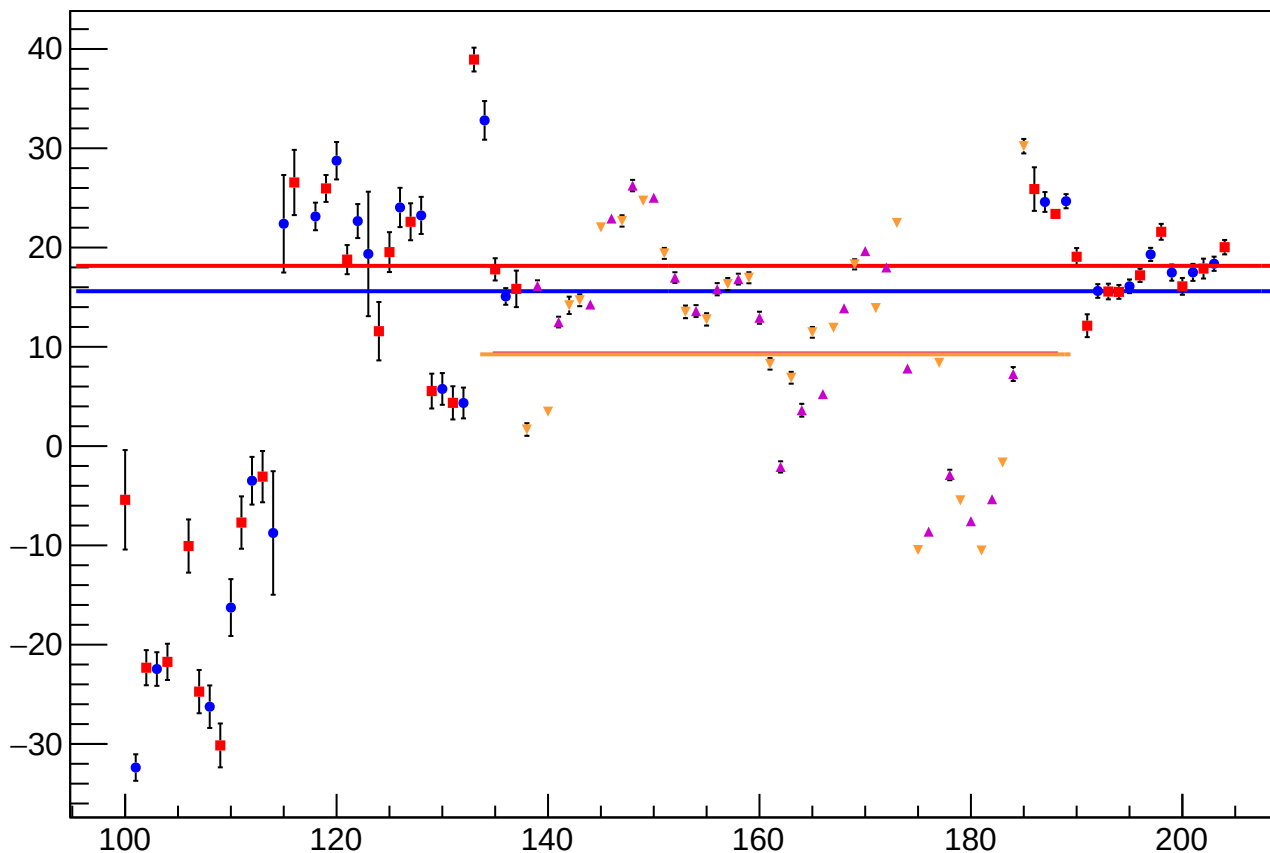
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 2.350 ± 0.072 χ^2/NDF : 30090.9/49

All: 1.938 ± 0.051 χ^2/NDF : 67210.2/102

- sign 1.514 ± 0.073 χ^2/NDF : 37053.5/52

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 15.602 $\pm$ 0.224 χ^2 /NDF: 2981.7/24

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 18.155 $\pm$ 0.183 χ^2 /NDF: 3009.2/29

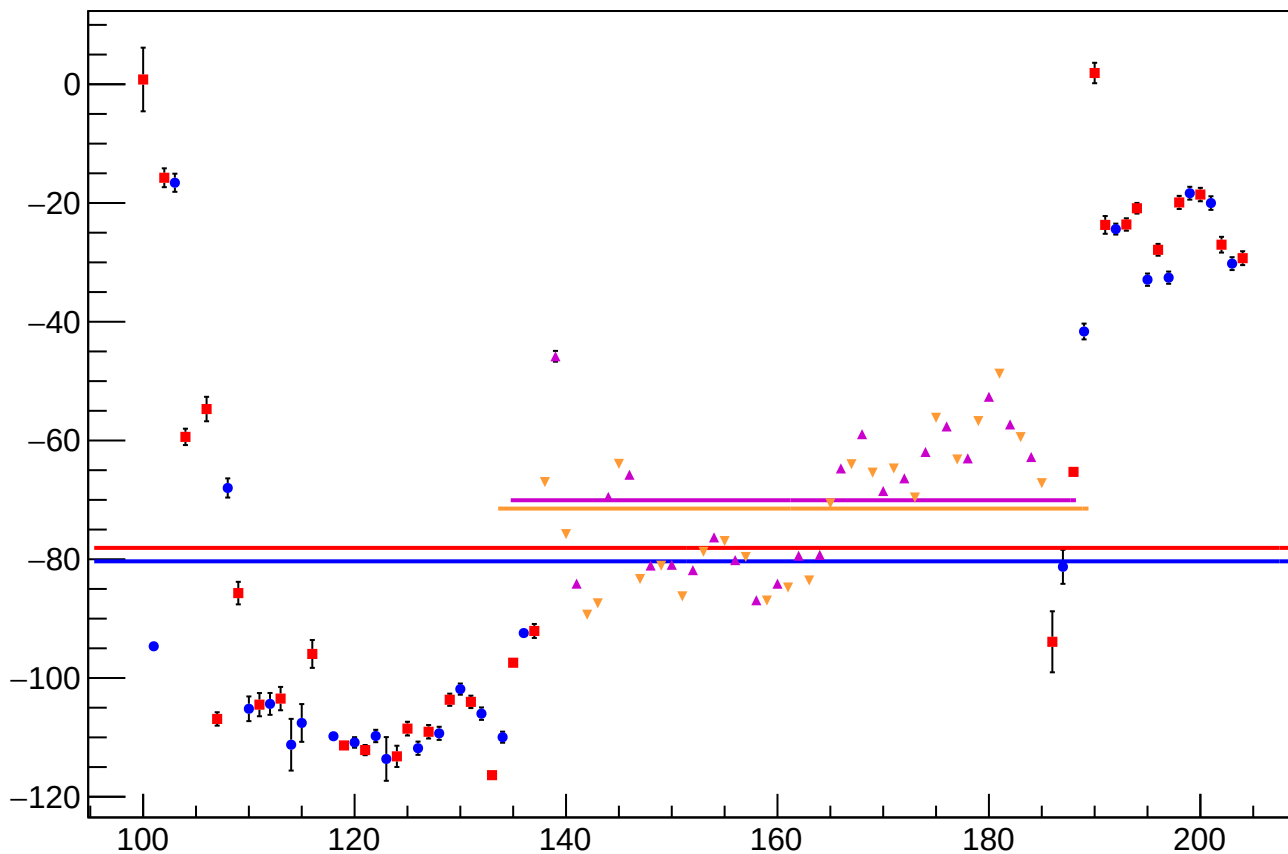
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.316 $\pm$ 0.092 χ^2 /NDF: 17285.9/49

All: 10.891 $\pm$ 0.064 χ^2 /NDF: 34107.6/102

- sign 11.435 $\pm$ 0.089 χ^2 /NDF: 16745.7/52

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -80.348 ± 0.213 χ^2/NDF : 27860.1/24

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -78.086 ± 0.201 χ^2/NDF : 37657.5/29

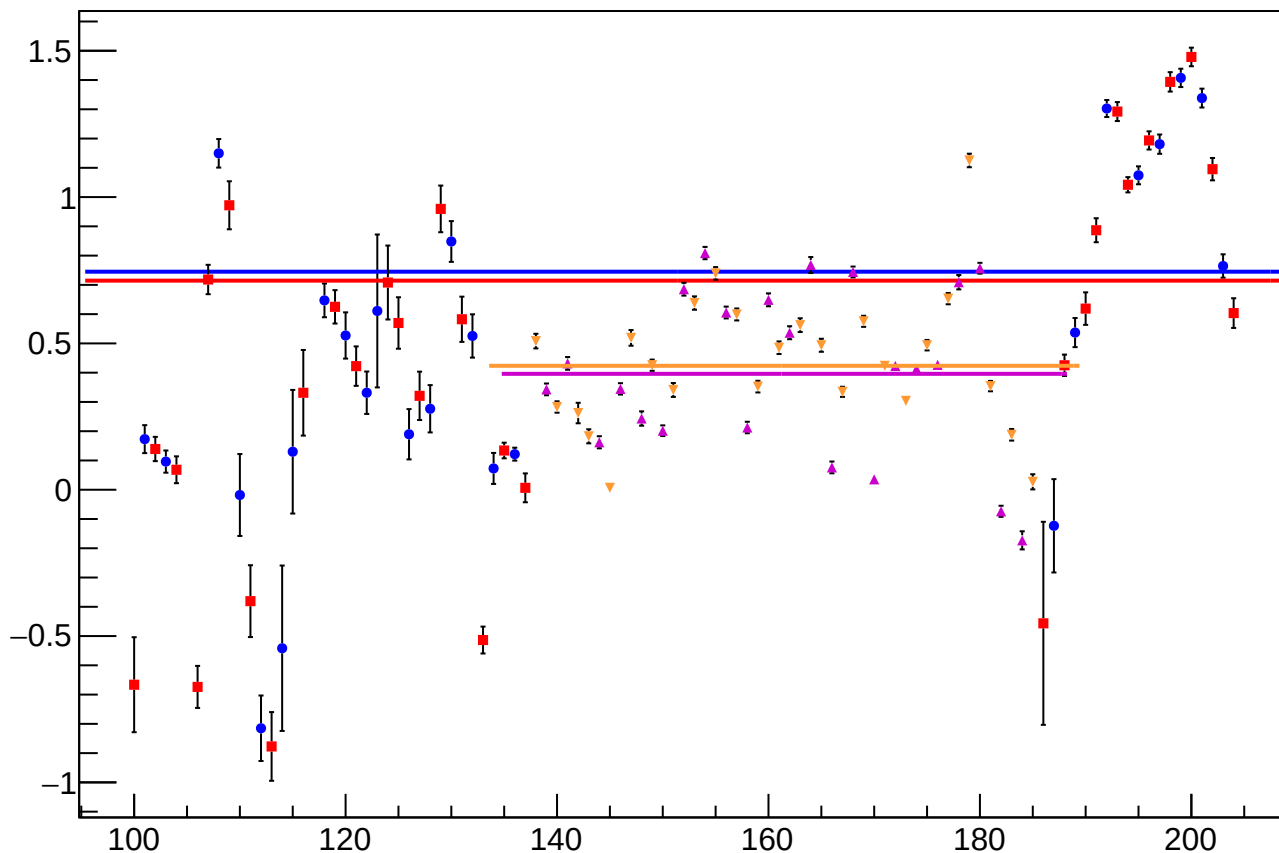
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -72.795 ± 0.082 χ^2/NDF : 45751.3/49

All: -72.129 ± 0.059 χ^2/NDF : 97921.0/102

- sign -71.446 ± 0.083 χ^2/NDF : 52037.2/52

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.745 $\pm$ 0.009 χ^2 /NDF: 3335.3/24

Left Out: 0.424 $\pm$ 0.004 χ^2 /NDF:2885.0/24

Right Out: 0.715 $\pm$ 0.009 χ^2 /NDF: 4478.6/29

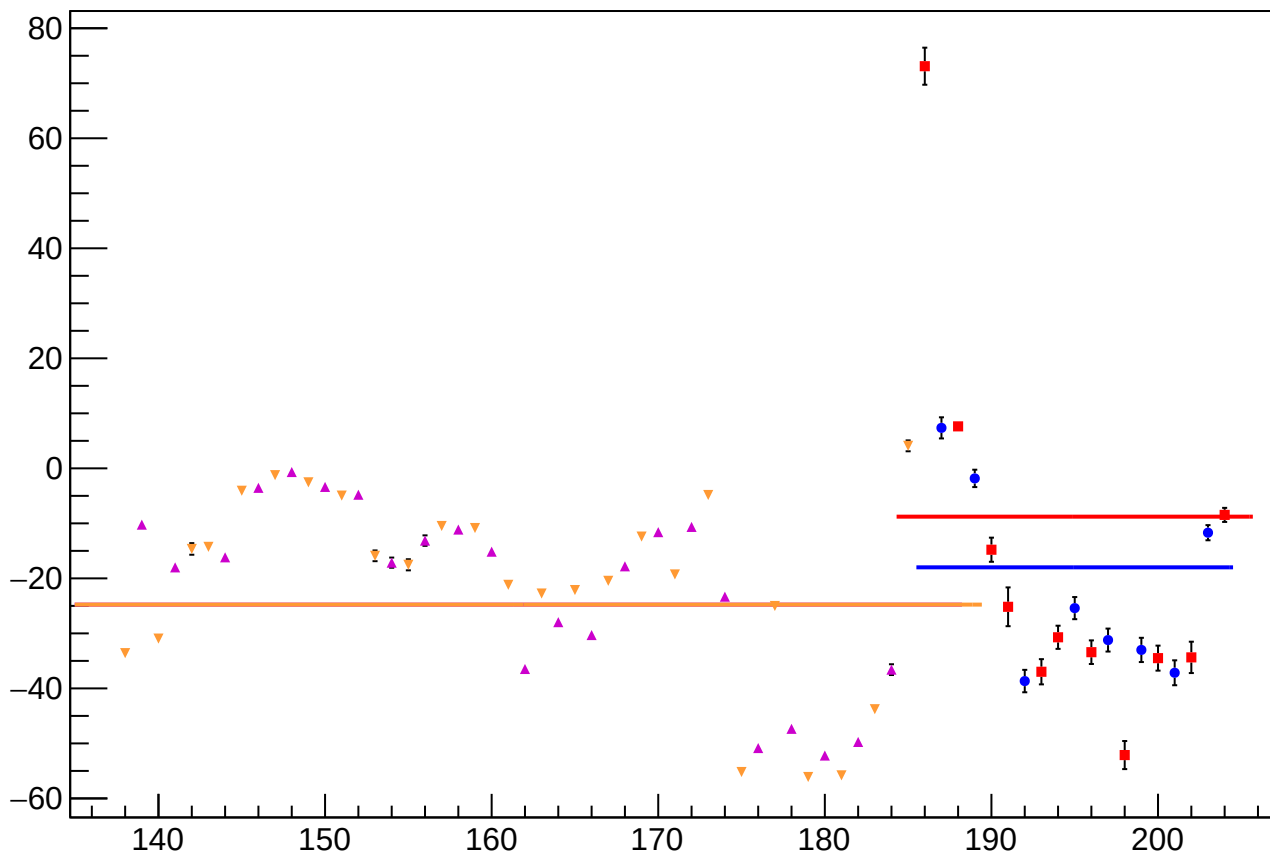
Left In: 0.396 $\pm$ 0.004 χ^2 /NDF:4051.5/22

+ sign 0.476 $\pm$ 0.004 χ^2 /NDF: 7230.3/49

All: 0.467 $\pm$ 0.003 χ^2 /NDF: 16889.9/102

- sign 0.457 $\pm$ 0.004 χ^2 /NDF: 9646.3/52

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -17.994 ± 0.657 $\chi^2/\text{NDF}: 574.6/7$

Left Out: -24.769 ± 0.139 $\chi^2/\text{NDF}: 18318.8/24$

Right Out: -8.781 ± 0.523 $\chi^2/\text{NDF}: 1928.7/10$

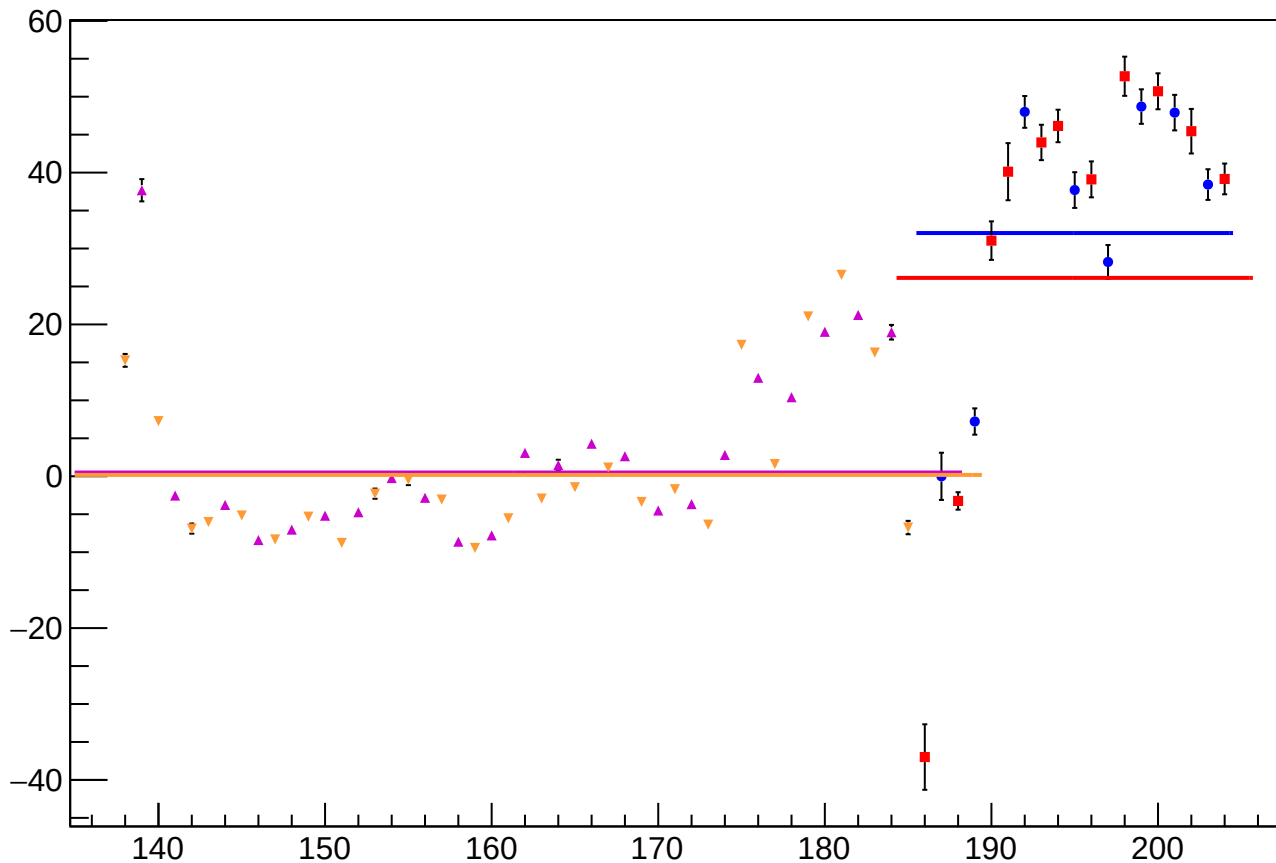
Left In: -24.775 ± 0.143 $\chi^2/\text{NDF}: 14807.4/22$

+ sign -24.477 ± 0.136 $\chi^2/\text{NDF}: 18995.1/32$

All: -24.076 ± 0.097 $\chi^2/\text{NDF}: 36617.9/66$

- sign -23.667 ± 0.138 $\chi^2/\text{NDF}: 17605.3/33$

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 32.039 $\pm$ 0.774 χ^2 /NDF: 488.0/7

Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF: 8295.6/24

Right Out: 26.132 $\pm$ 0.659 χ^2 /NDF: 1356.0/10

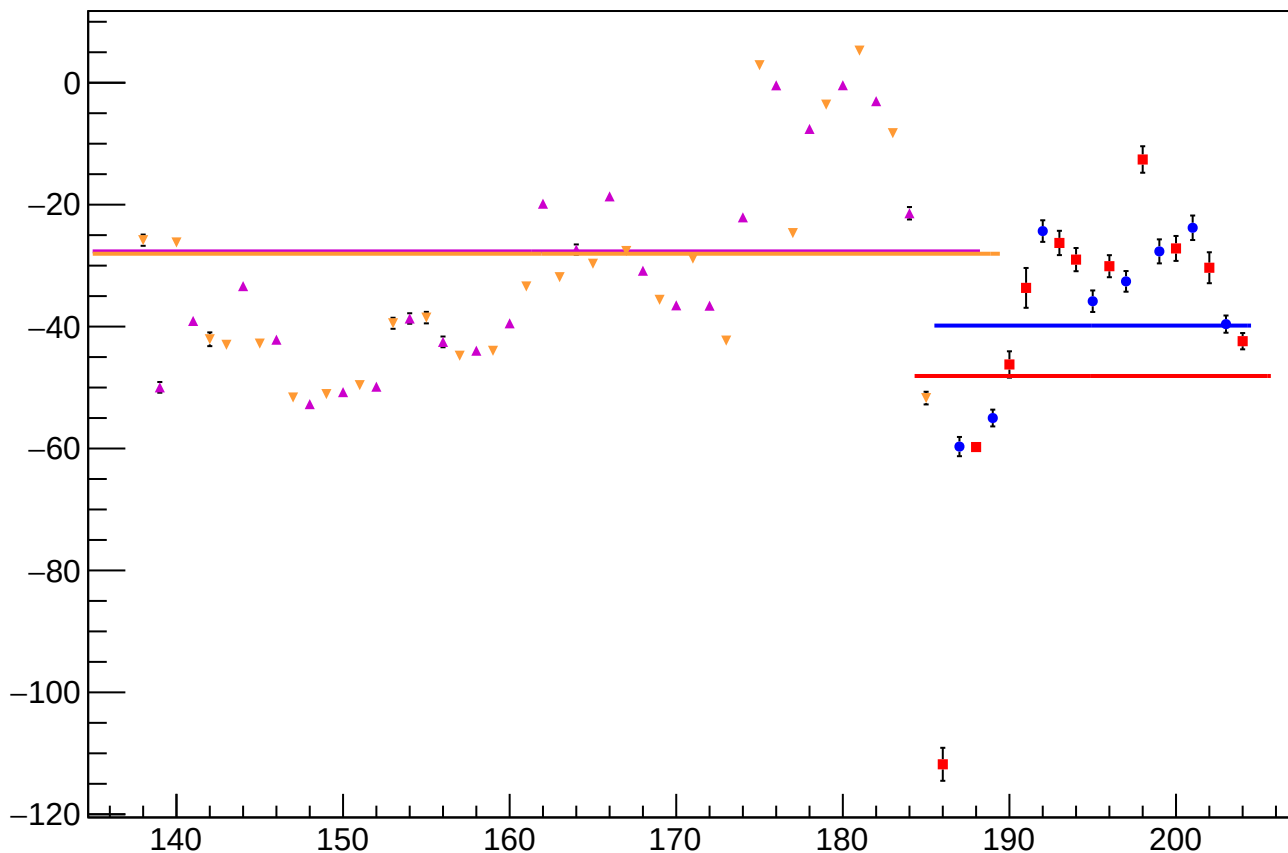
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF: 6555.4/22

+ sign 0.791 $\pm$ 0.107 χ^2 /NDF: 10443.8/32

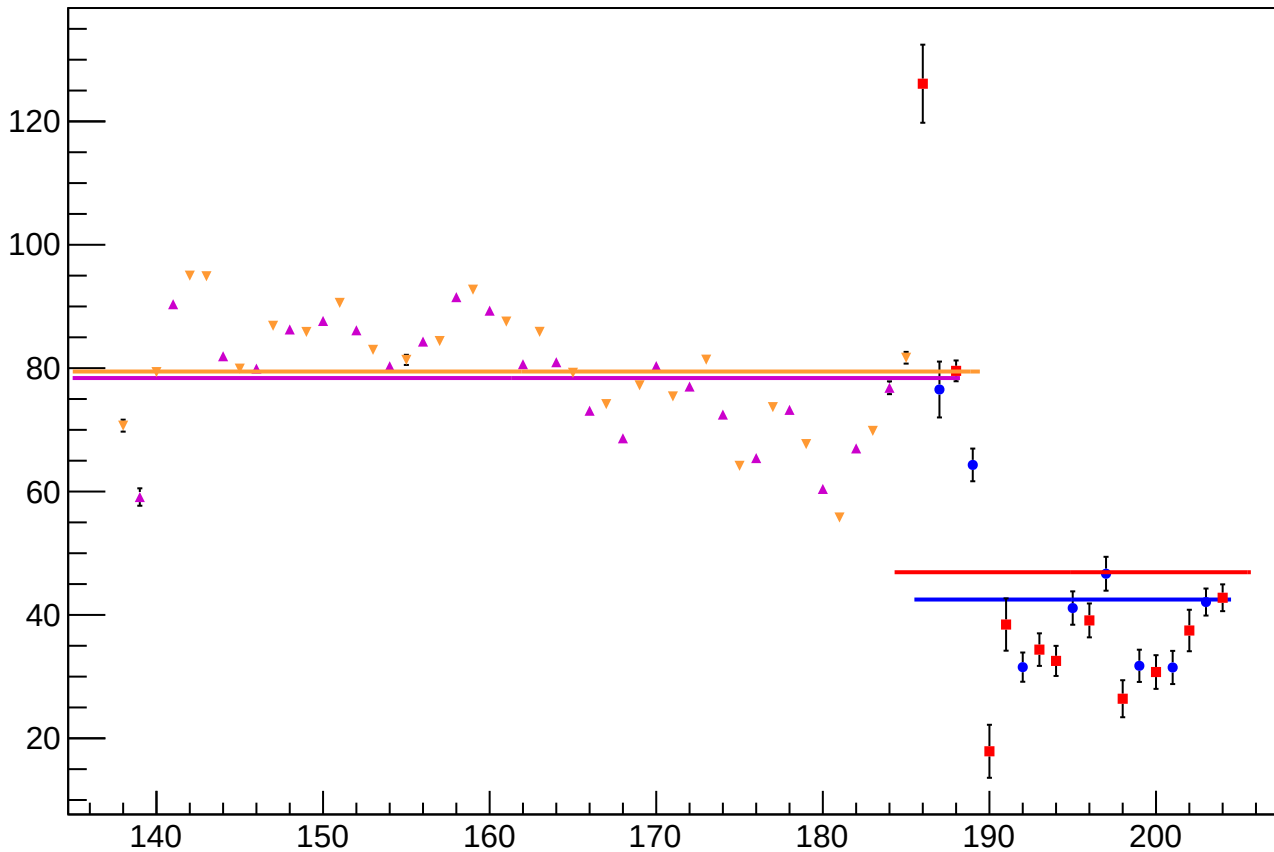
All: 0.997 $\pm$ 0.077 χ^2 /NDF: 19832.9/66

- sign 1.214 $\pm$ 0.111 χ^2 /NDF: 9381.6/33

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 42.495+/-0.940 χ^2/NDF : 182.0/7

Left Out: 79.456+/-0.123 χ^2/NDF : 6077.1/24

Right Out: 46.921+/-0.823 χ^2/NDF : 739.6/10

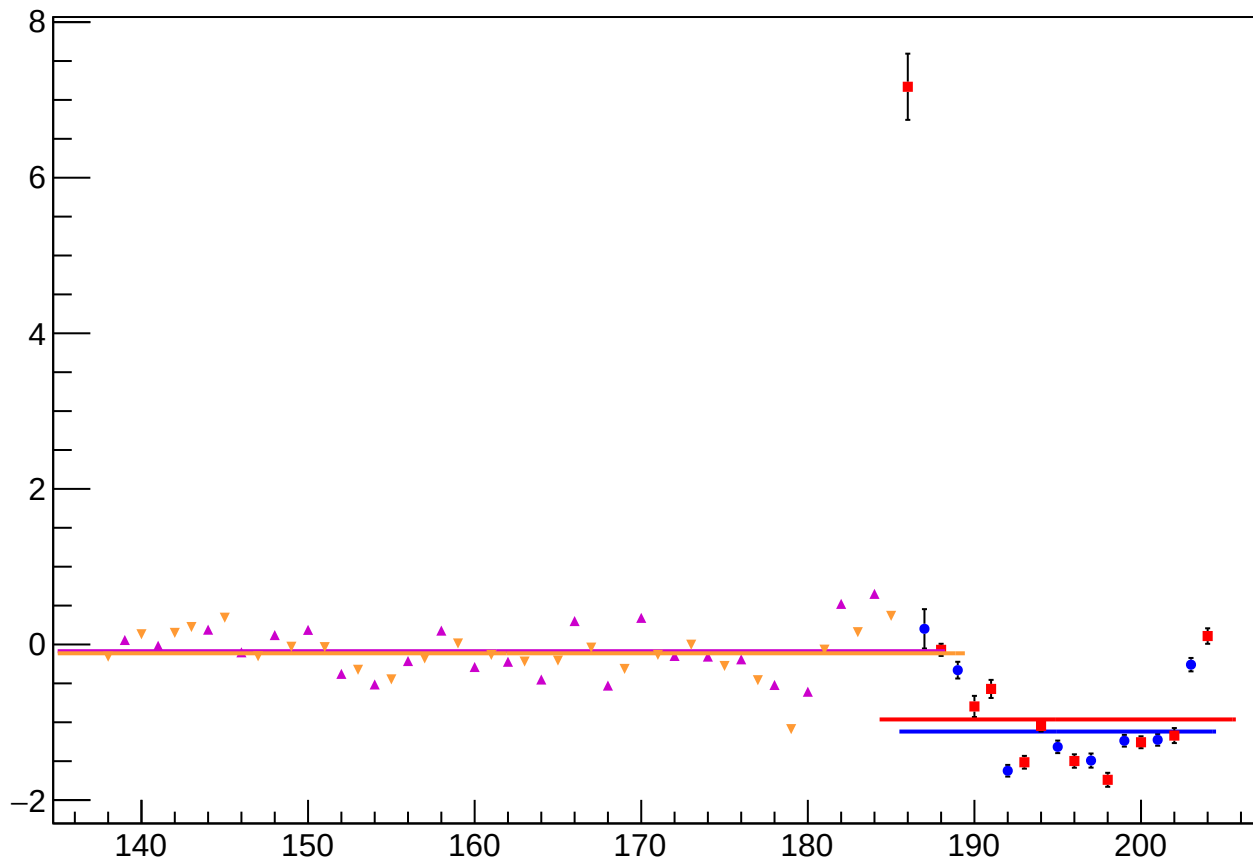
Left In: 78.396+/-0.127 χ^2/NDF : 4707.3/22

+ sign 78.832+/-0.122 χ^2/NDF : 7779.5/32

All: 78.264+/-0.087 χ^2/NDF : 14699.3/66

- sign 77.667+/-0.125 χ^2/NDF : 6875.5/33

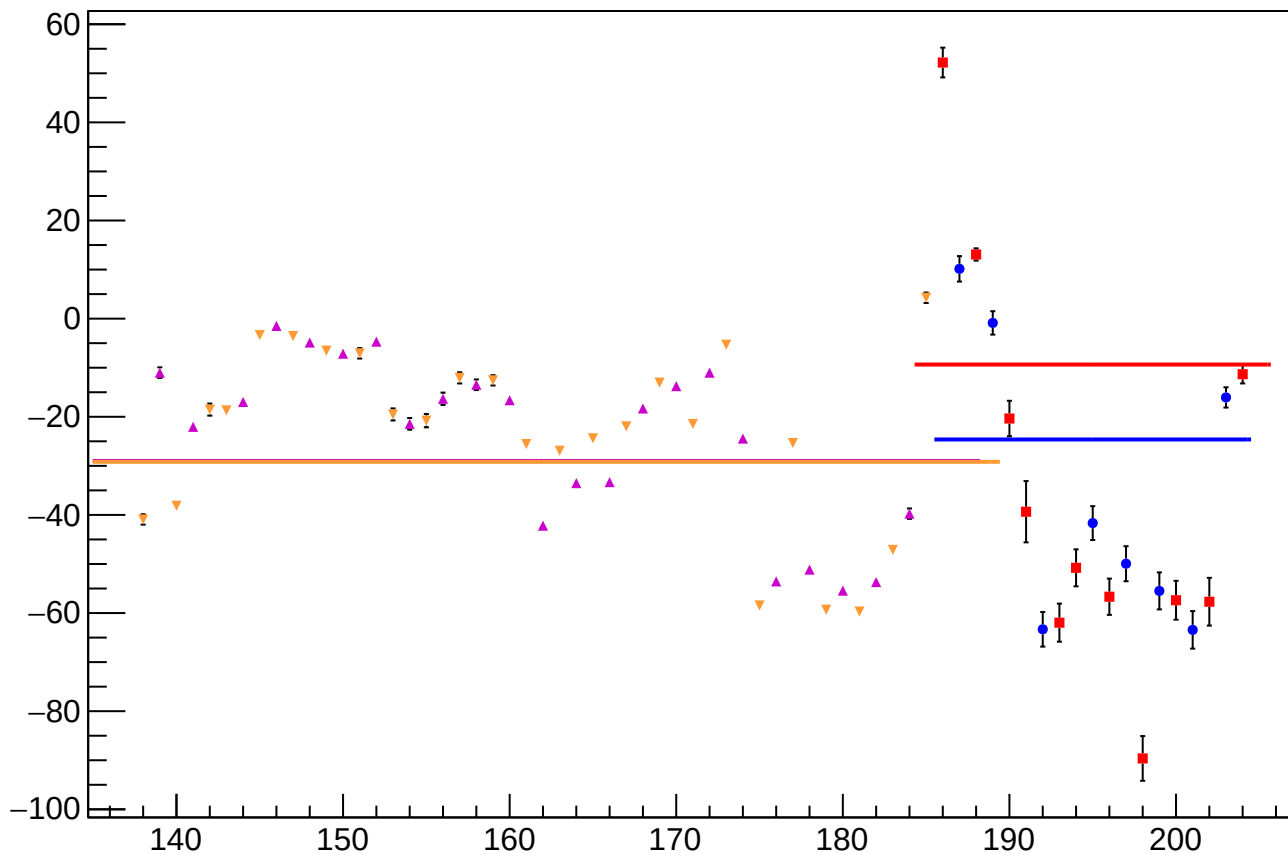
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



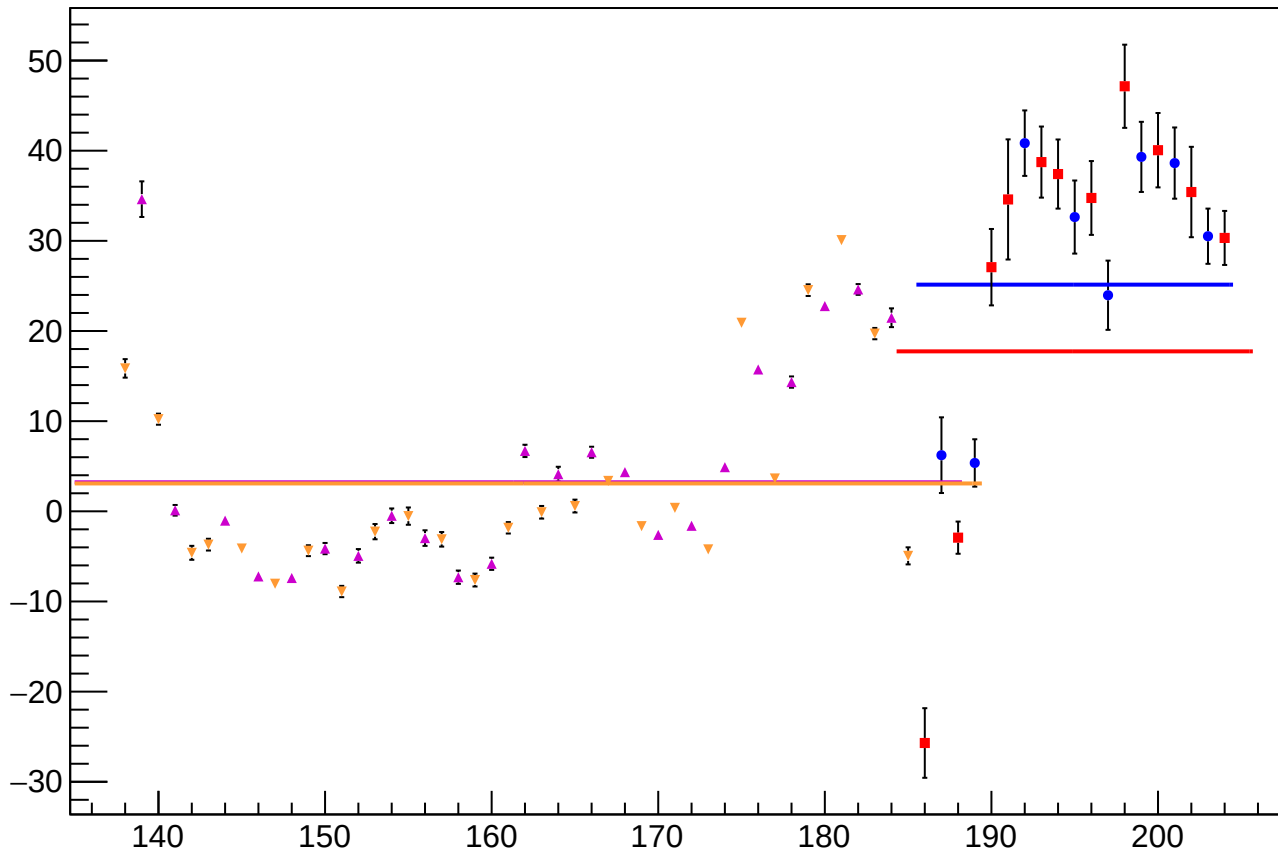
Right In: -1.119 ± 0.031 χ^2/NDF : 253.0/7
 Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24
 Right Out: -0.964 ± 0.028 χ^2/NDF : 805.0/10
 Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.146 ± 0.006 χ^2/NDF : 3574.1/32
 All: -0.134 ± 0.004 χ^2/NDF : 8467.2/66
 - sign -0.122 ± 0.006 χ^2/NDF : 4884.3/33

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 25.142 ± 1.247 $\chi^2/\text{NDF}: 127.2/7$

Left Out: 3.091 ± 0.124 $\chi^2/\text{NDF}: 8084.1/24$

Right Out: 17.742 ± 1.049 $\chi^2/\text{NDF}: 443.8/10$

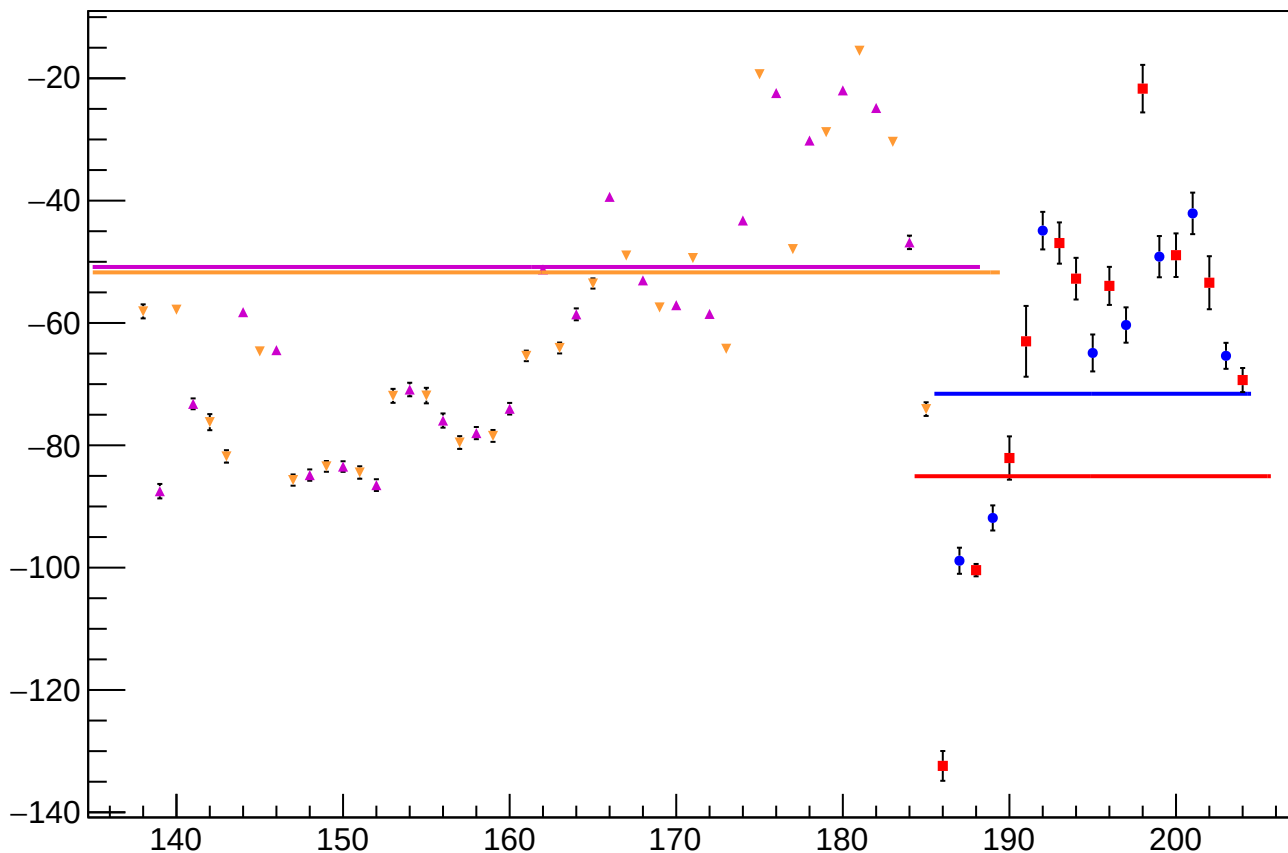
Left In: 3.221 ± 0.127 $\chi^2/\text{NDF}: 6237.6/22$

+ sign 3.308 ± 0.124 $\chi^2/\text{NDF}: 8520.9/32$

All: 3.368 ± 0.088 $\chi^2/\text{NDF}: 15391.4/66$

- sign 3.431 ± 0.126 $\chi^2/\text{NDF}: 6870.1/33$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -71.573 ± 0.917 χ^2/NDF : 485.1/7

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -85.053 ± 0.709 χ^2/NDF : 1427.6/10

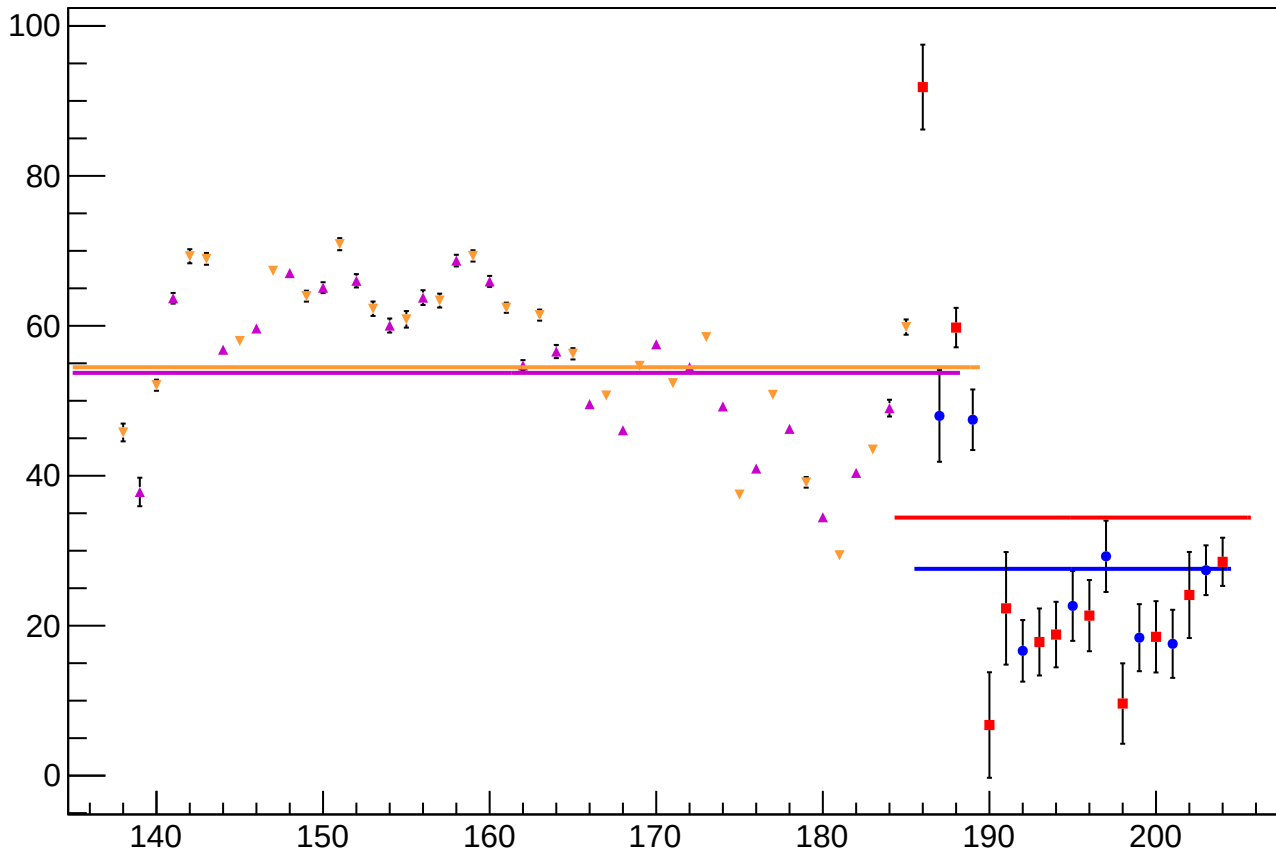
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -52.300 ± 0.156 χ^2/NDF : 20477.8/32

All: -52.402 ± 0.110 χ^2/NDF : 41394.3/66

- sign -52.505 ± 0.156 χ^2/NDF : 20915.7/33

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 27.585 ± 1.531 χ^2/NDF : 52.8/7

Left Out: 54.476 ± 0.140 χ^2/NDF : 6266.9/24

Right Out: 34.422 ± 1.329 χ^2/NDF : 287.1/10

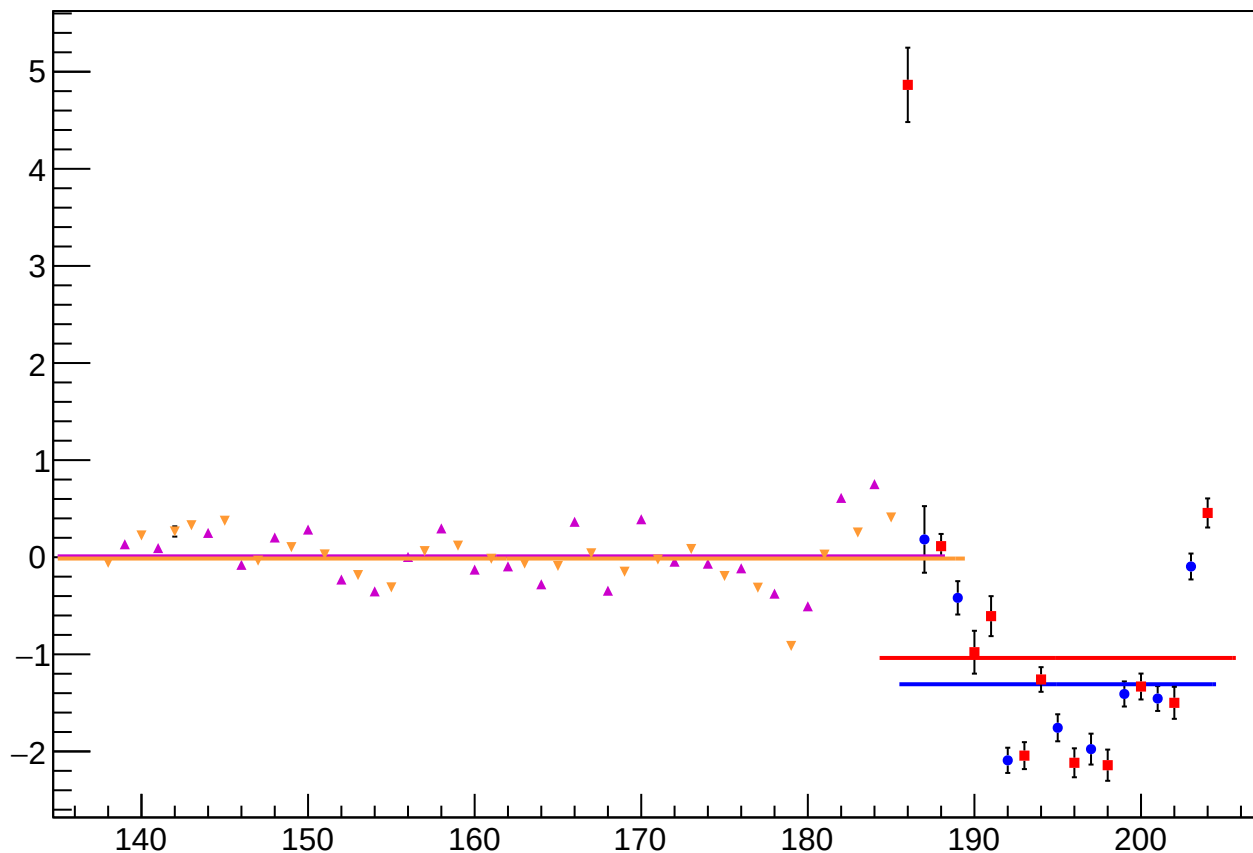
Left In: 53.724 ± 0.143 χ^2/NDF : 4585.7/22

+ sign 54.252 ± 0.140 χ^2/NDF : 6625.7/32

All: 53.884 ± 0.100 χ^2/NDF : 11721.3/66

- sign 53.502 ± 0.142 χ^2/NDF : 5081.4/33

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.308 ± 0.052 χ^2/NDF : 194.6/7

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -1.037 ± 0.047 χ^2/NDF : 593.0/10

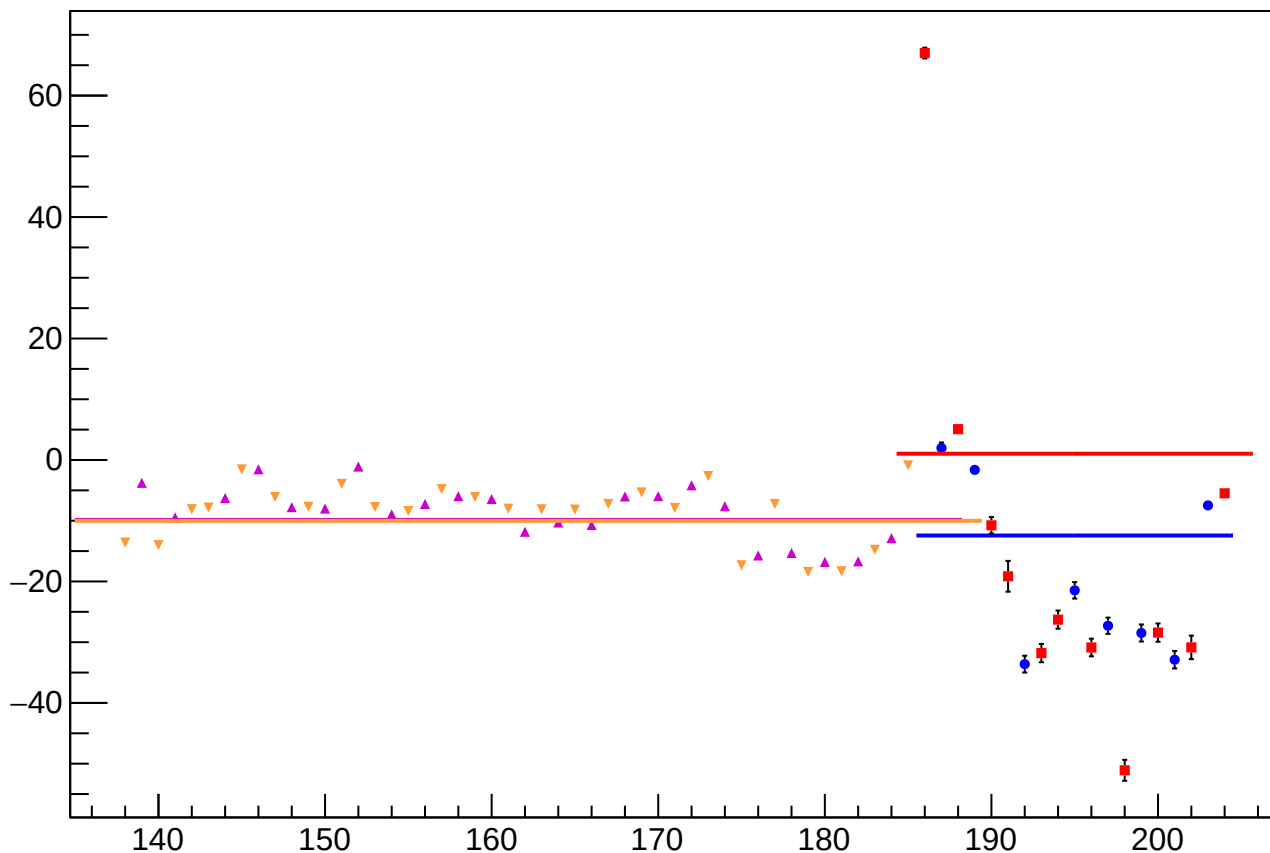
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.033 ± 0.006 χ^2/NDF : 2459.5/32

All: -0.022 ± 0.005 χ^2/NDF : 5761.9/66

- sign -0.011 ± 0.006 χ^2/NDF : 3296.3/33

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -12.435 ± 0.376 $\chi^2/\text{NDF}: 1203.8/7$

Left Out: -10.017 ± 0.051 $\chi^2/\text{NDF}: 12552.8/24$

Right Out: 1.031 ± 0.293 $\chi^2/\text{NDF}: 8726.9/10$

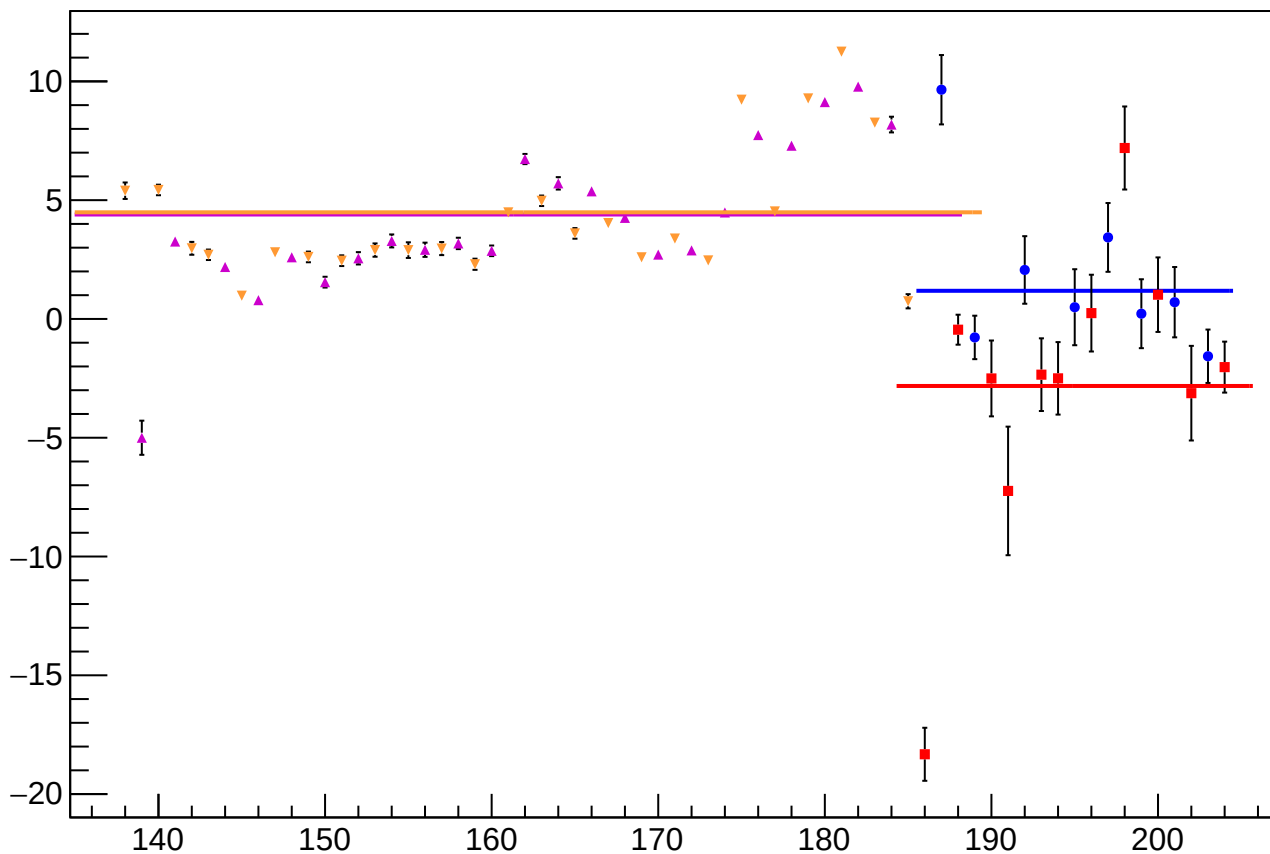
Left In: -9.865 ± 0.051 $\chi^2/\text{NDF}: 9345.4/22$

+ sign -10.060 ± 0.050 $\chi^2/\text{NDF}: 13797.2/32$

All: -9.802 ± 0.036 $\chi^2/\text{NDF}: 33262.1/66$

- sign -9.541 ± 0.051 $\chi^2/\text{NDF}: 19411.9/33$

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.185 ± 0.459 $\chi^2/\text{NDF}: 47.8/7$

Left Out: 4.489 ± 0.041 $\chi^2/\text{NDF}: 4832.3/24$

Right Out: -2.821 ± 0.380 $\chi^2/\text{NDF}: 252.9/10$

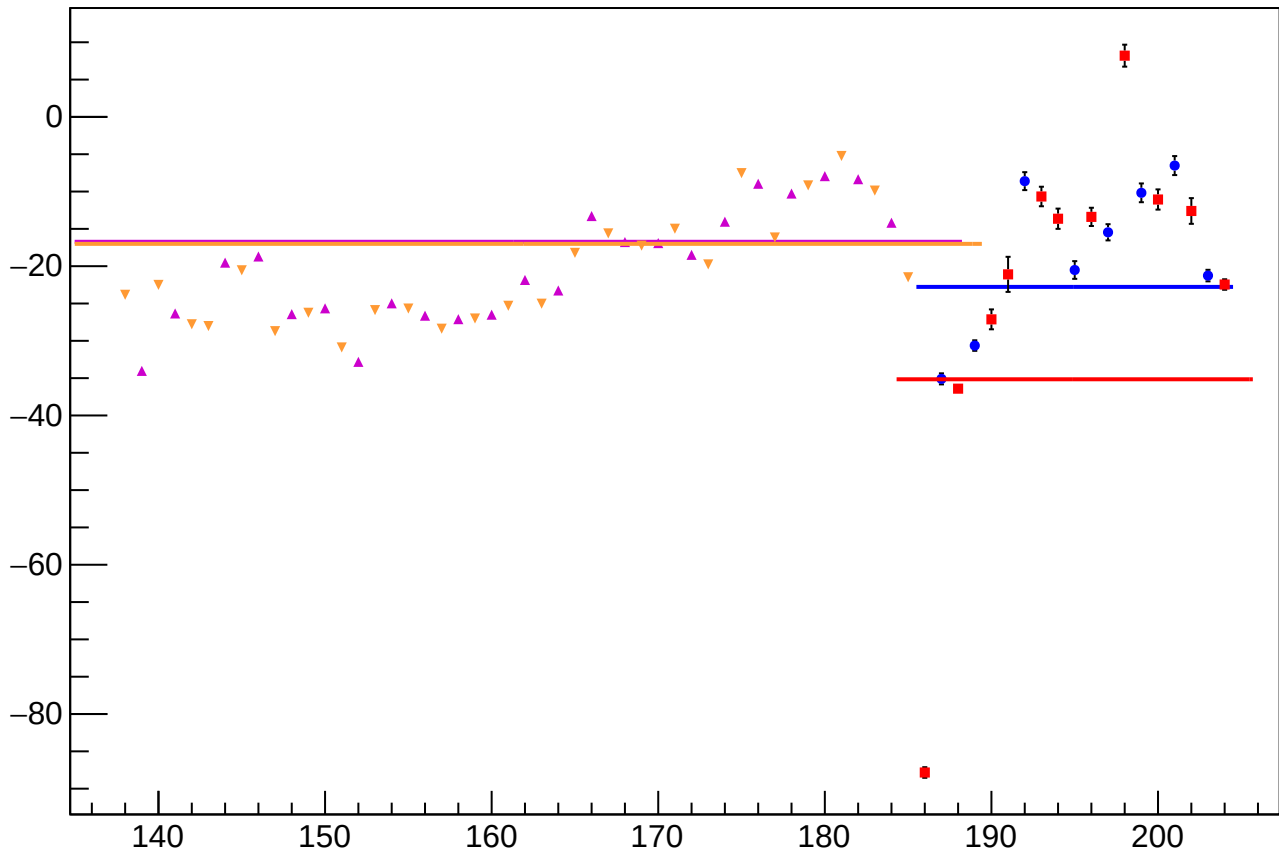
Left In: 4.396 ± 0.041 $\chi^2/\text{NDF}: 4230.4/22$

+ sign 4.463 ± 0.041 $\chi^2/\text{NDF}: 4931.5/32$

All: 4.388 ± 0.029 $\chi^2/\text{NDF}: 9779.0/66$

- sign 4.312 ± 0.041 $\chi^2/\text{NDF}: 4840.6/33$

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -22.775 ± 0.333 $\chi^2/\text{NDF}: 855.5/7$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -35.152 ± 0.253 $\chi^2/\text{NDF}: 8173.6/10$

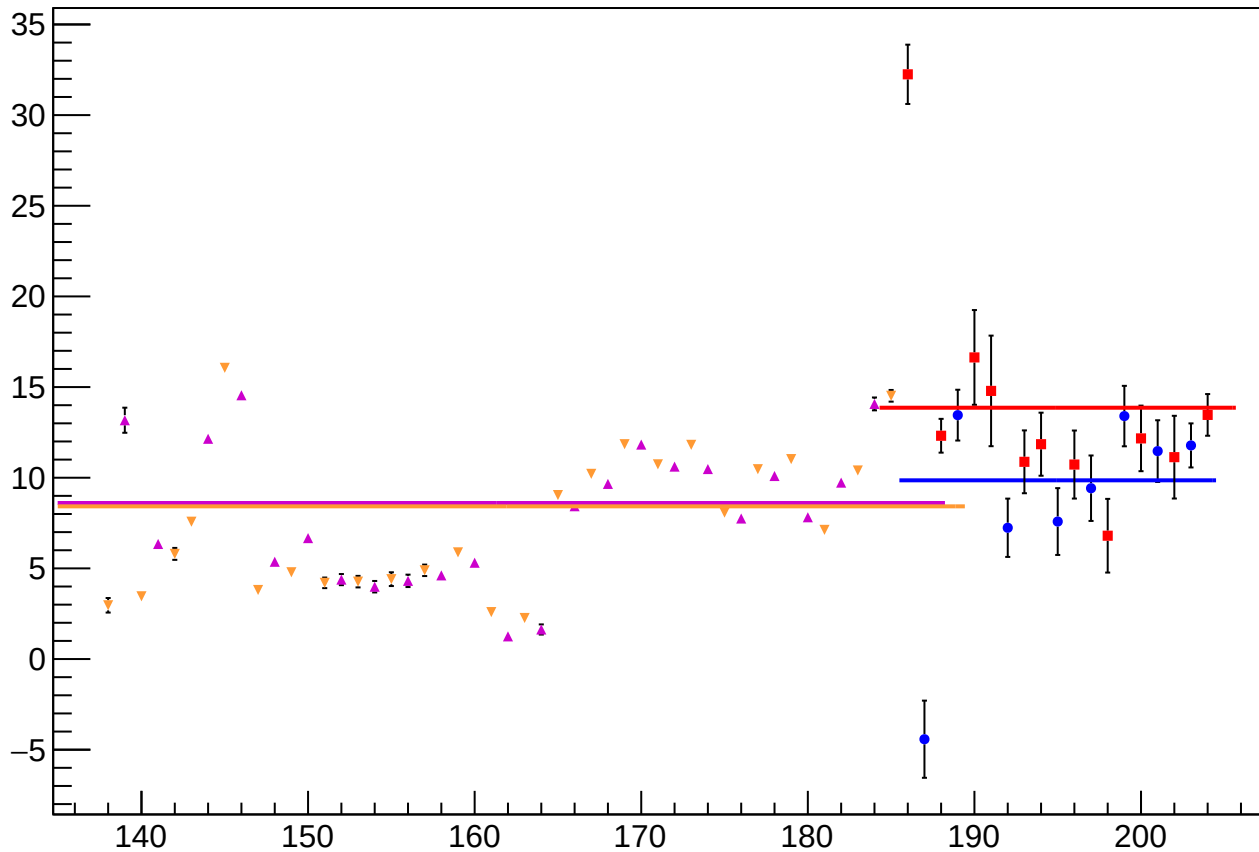
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.141 ± 0.050 $\chi^2/\text{NDF}: 23242.4/32$

All: -17.303 ± 0.036 $\chi^2/\text{NDF}: 55302.4/66$

- sign -17.465 ± 0.051 $\chi^2/\text{NDF}: 32039.3/33$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 9.857 ± 0.568 χ^2/NDF : 63.8/7

Left Out: 8.422 ± 0.046 χ^2/NDF : 6470.1/24

Right Out: 13.861 ± 0.486 χ^2/NDF : 152.0/10

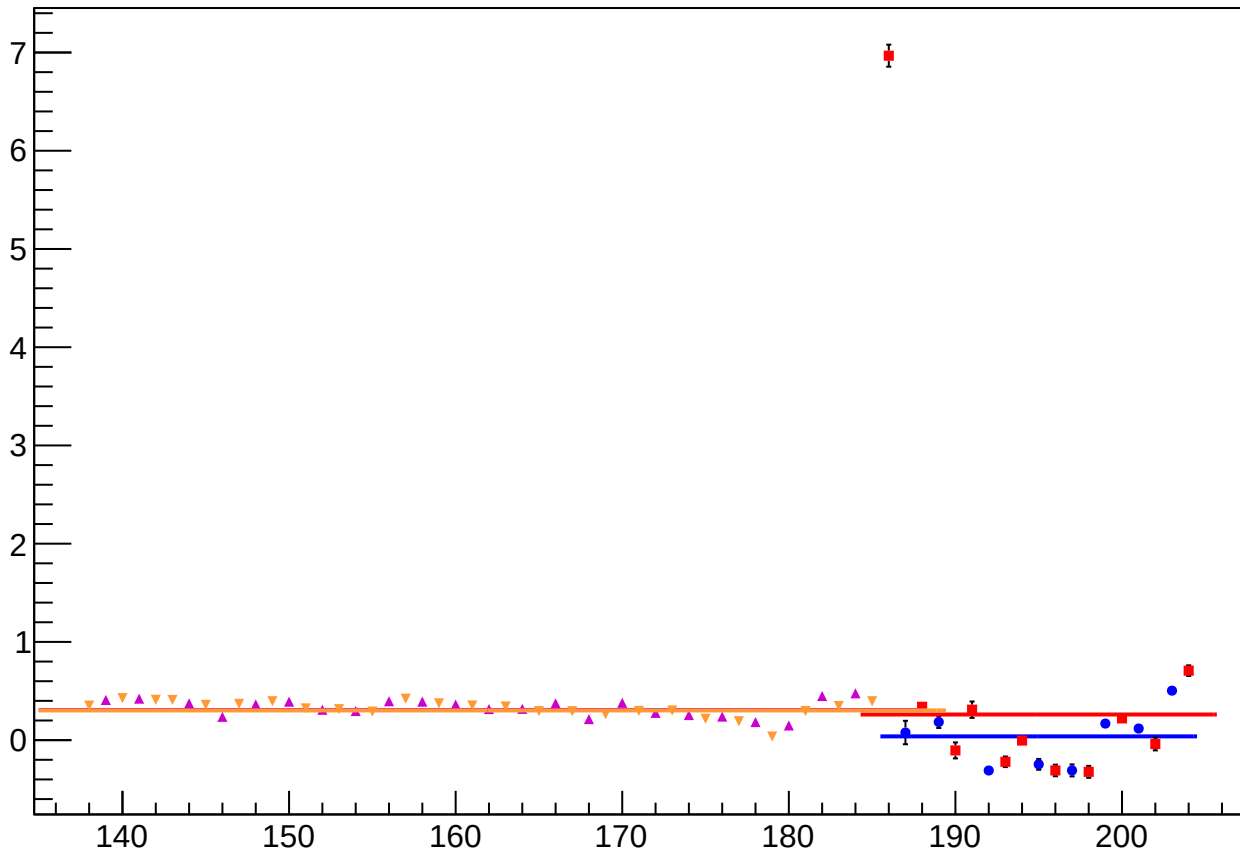
Left In: 8.606 ± 0.046 χ^2/NDF : 5504.2/22

+ sign 8.431 ± 0.045 χ^2/NDF : 6540.2/32

All: 8.541 ± 0.032 χ^2/NDF : 12323.9/66

- sign 8.653 ± 0.046 χ^2/NDF : 5771.9/33

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.038 ± 0.020 χ^2/NDF : 209.2/7

Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.261 ± 0.018 χ^2/NDF : 3979.6/10

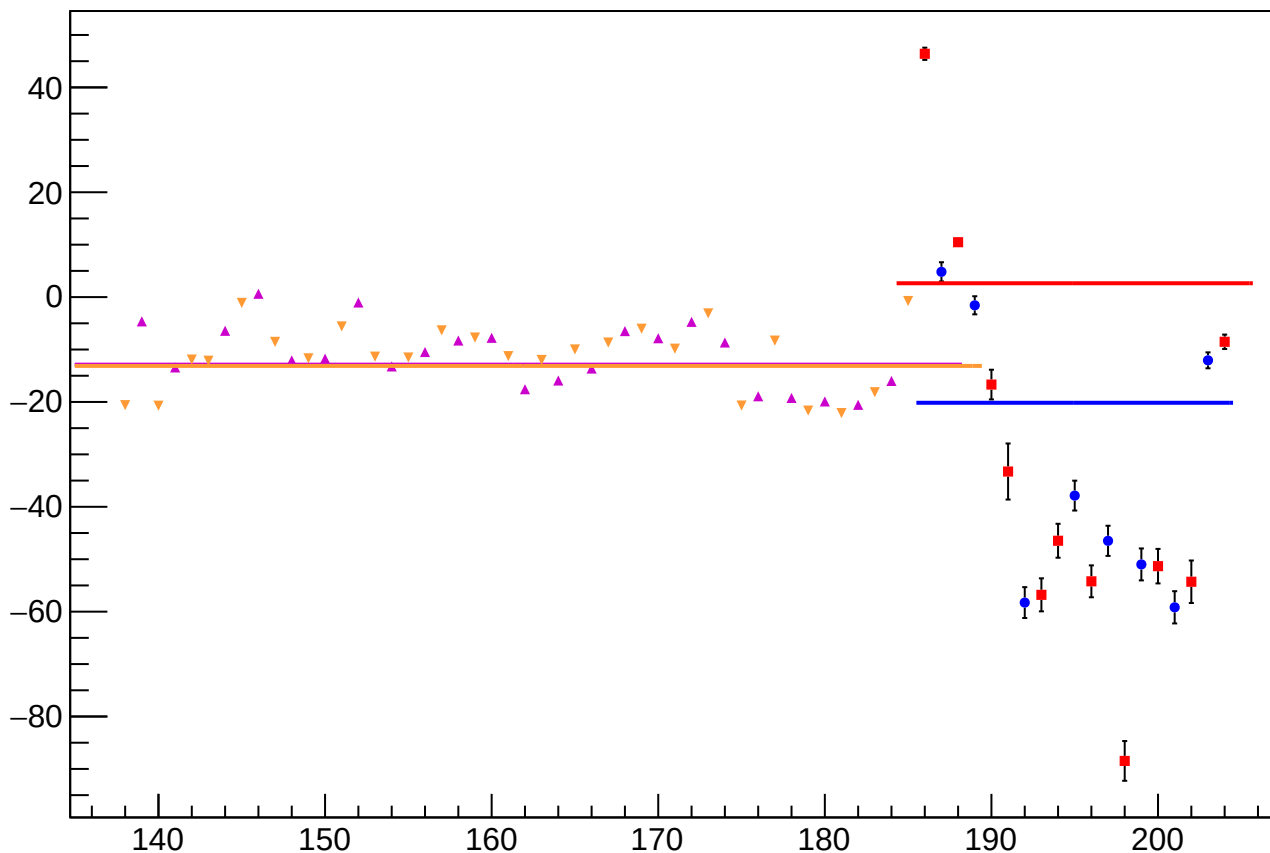
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.300 ± 0.002 χ^2/NDF : 1979.0/32

All: 0.303 ± 0.001 χ^2/NDF : 7670.4/66

- sign 0.307 ± 0.002 χ^2/NDF : 5685.7/33

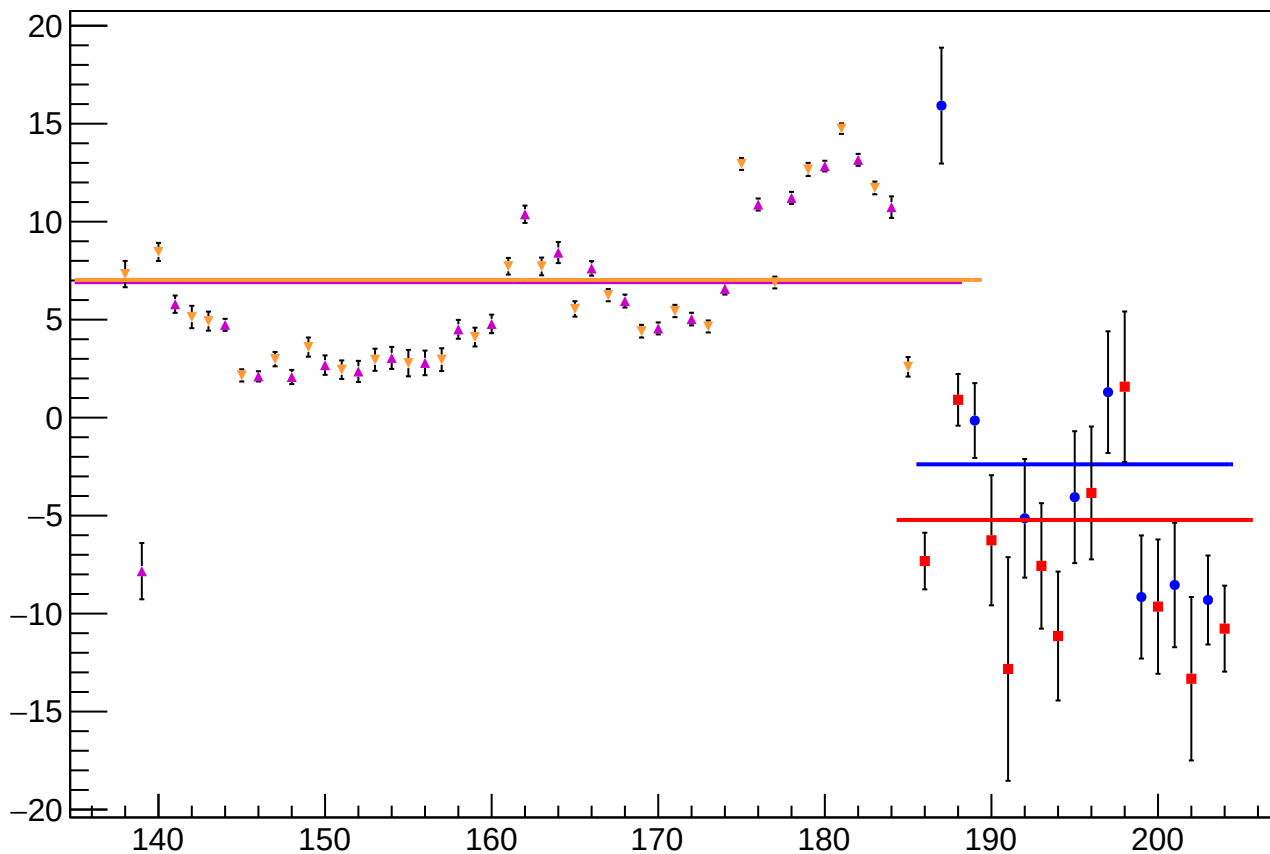
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -20.158 ± 0.781 $\chi^2/\text{NDF}: 884.4/7$
 Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$
 Right Out: 2.641 ± 0.568 $\chi^2/\text{NDF}: 3615.0/10$
 Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.225 ± 0.093 $\chi^2/\text{NDF}: 6942.0/32$
 All: -12.846 ± 0.066 $\chi^2/\text{NDF}: 16093.8/66$
 - sign -12.462 ± 0.094 $\chi^2/\text{NDF}: 9118.5/33$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -2.383+/-0.960 χ^2/NDF : 59.9/7

Left Out: 7.028+/-0.077 χ^2/NDF : 2665.3/24

Right Out: -5.222+/-0.731 χ^2/NDF : 44.5/10

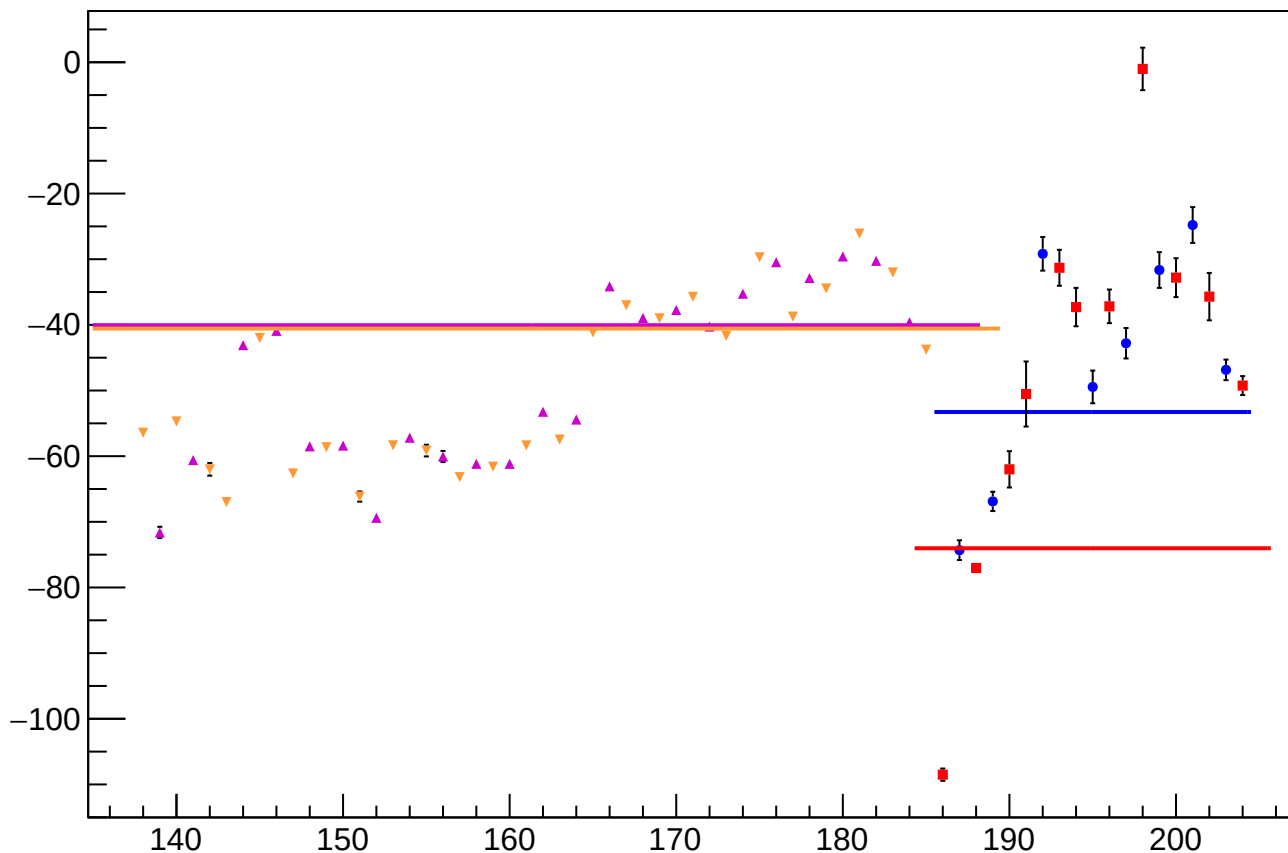
Left In: 6.914+/-0.078 χ^2/NDF : 2428.2/22

+ sign 6.967+/-0.077 χ^2/NDF : 2820.7/32

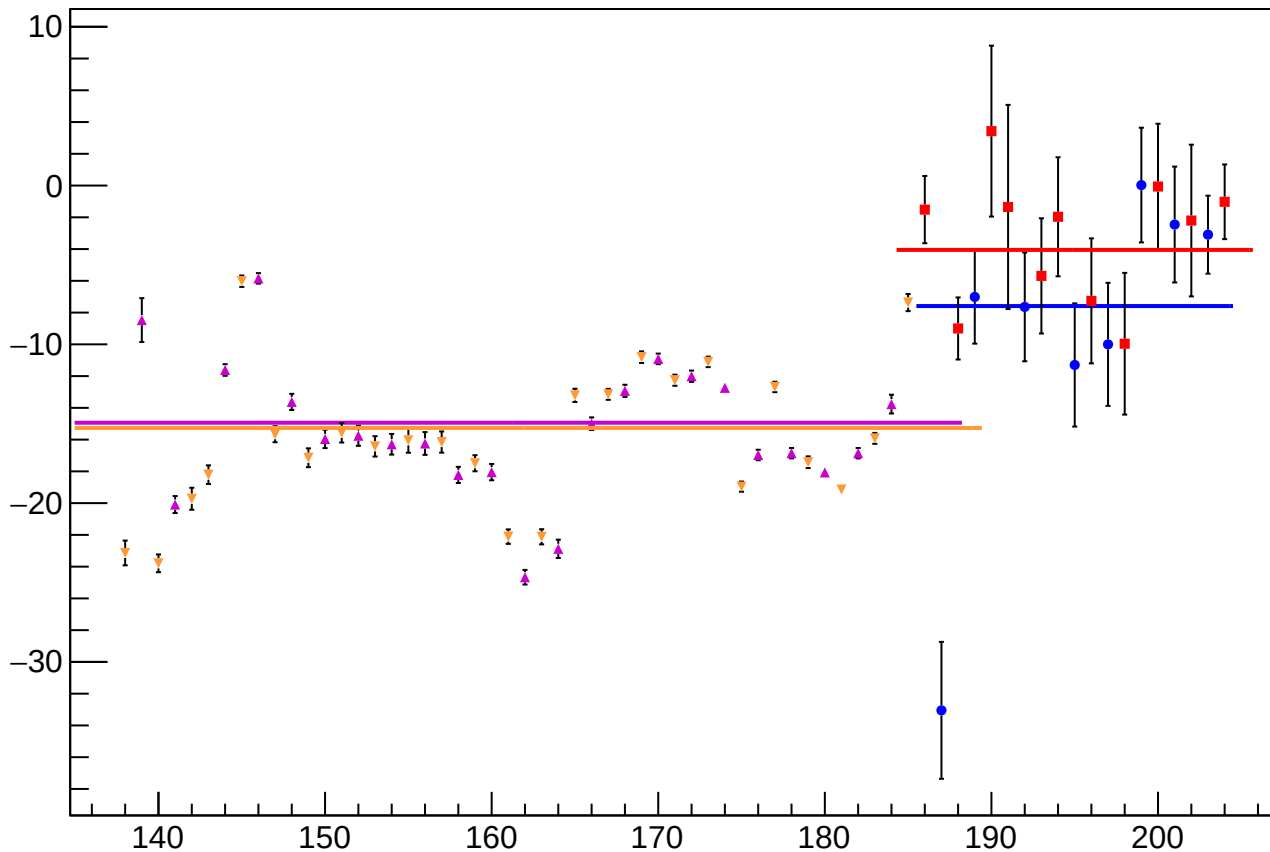
All: 6.873+/-0.055 χ^2/NDF : 5568.6/66

- sign 6.778+/-0.077 χ^2/NDF : 2745.0/33

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -7.589 ± 1.191 $\chi^2/\text{NDF}: 46.0/7$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -4.052 ± 0.956 $\chi^2/\text{NDF}: 15.7/10$

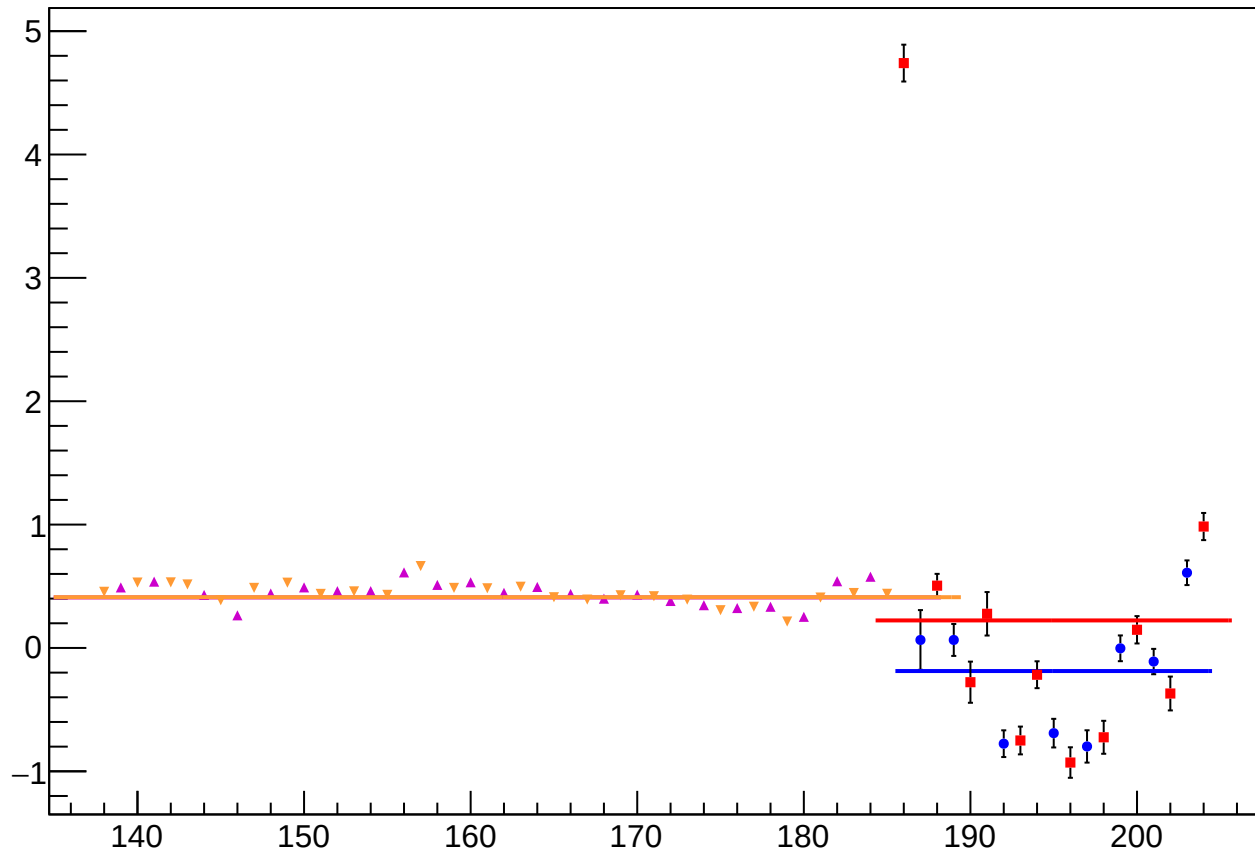
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.226 ± 0.086 $\chi^2/\text{NDF}: 2682.8/32$

All: -15.038 ± 0.061 $\chi^2/\text{NDF}: 5036.4/66$

- sign -14.847 ± 0.086 $\chi^2/\text{NDF}: 2343.9/33$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: -0.187 ± 0.041 χ^2/NDF : 142.2/7

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.7/24

Right Out: 0.223 ± 0.037 χ^2/NDF : 1227.6/10

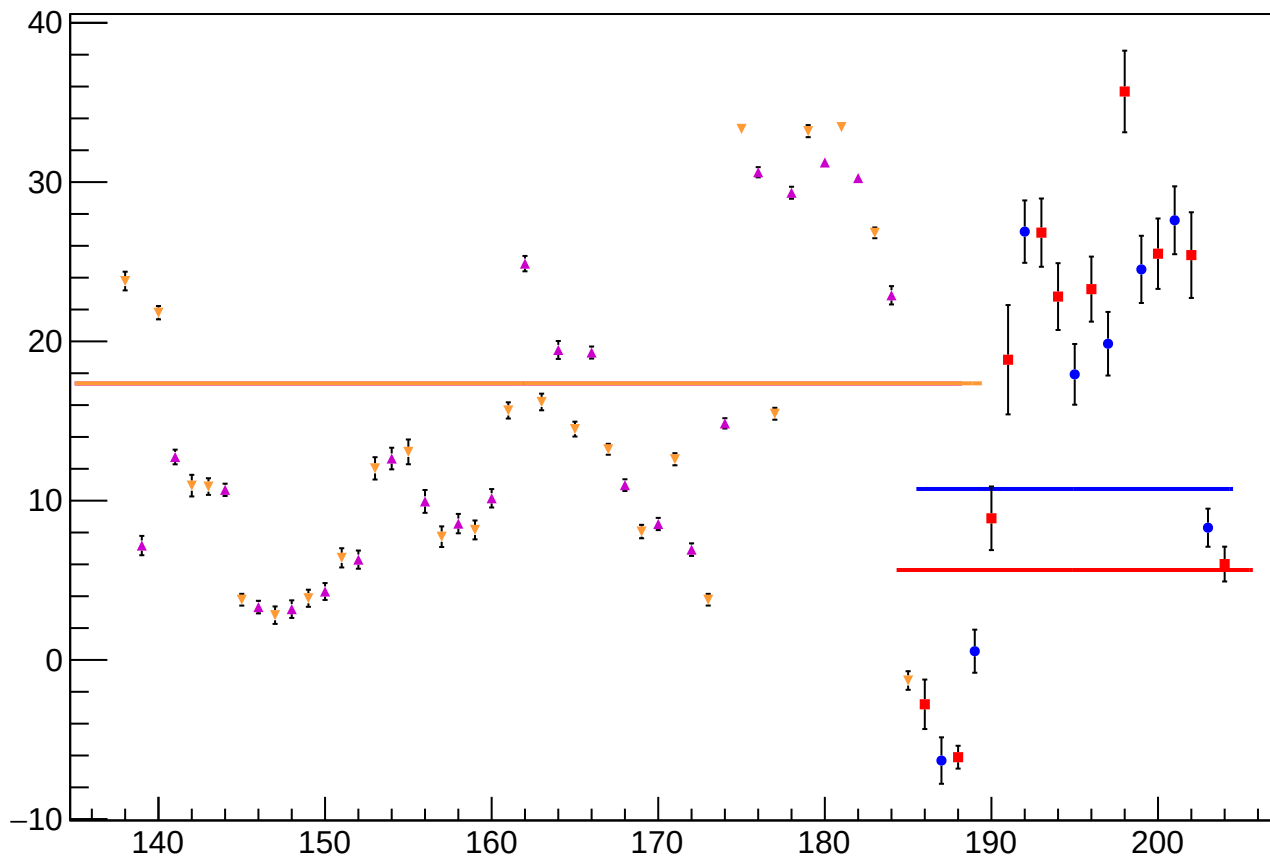
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.406 ± 0.004 χ^2/NDF : 777.2/32

All: 0.407 ± 0.003 χ^2/NDF : 2587.5/66

- sign 0.407 ± 0.004 χ^2/NDF : 1810.3/33

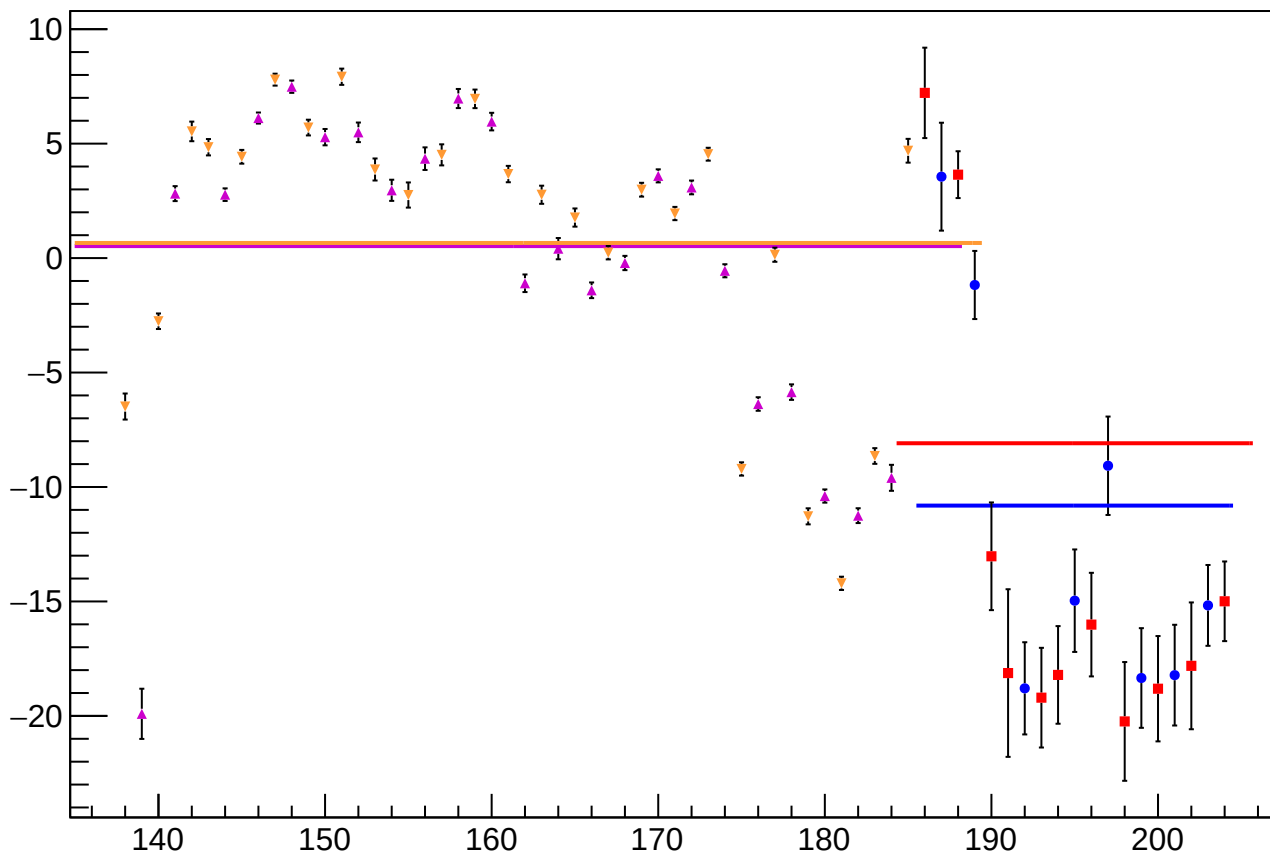
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 10.734 $\pm$ 0.582 χ^2 /NDF: 406.1/7
 Left Out: 17.367 $\pm$ 0.087 χ^2 /NDF:16337.6/24
 Right Out: 5.647 $\pm$ 0.461 χ^2 /NDF: 827.4/10
 Left In: 17.355 $\pm$ 0.089 χ^2 /NDF:12745.1/22

+ sign 17.222 $\pm$ 0.086 χ^2 /NDF: 16870.6/32
 All: 17.080 $\pm$ 0.061 χ^2 /NDF: 31071.6/66
 - sign 16.935 $\pm$ 0.087 χ^2 /NDF: 14195.5/33

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -10.813 ± 0.701 χ^2/NDF : 128.3/7

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: -8.089 ± 0.588 χ^2/NDF : 336.1/10

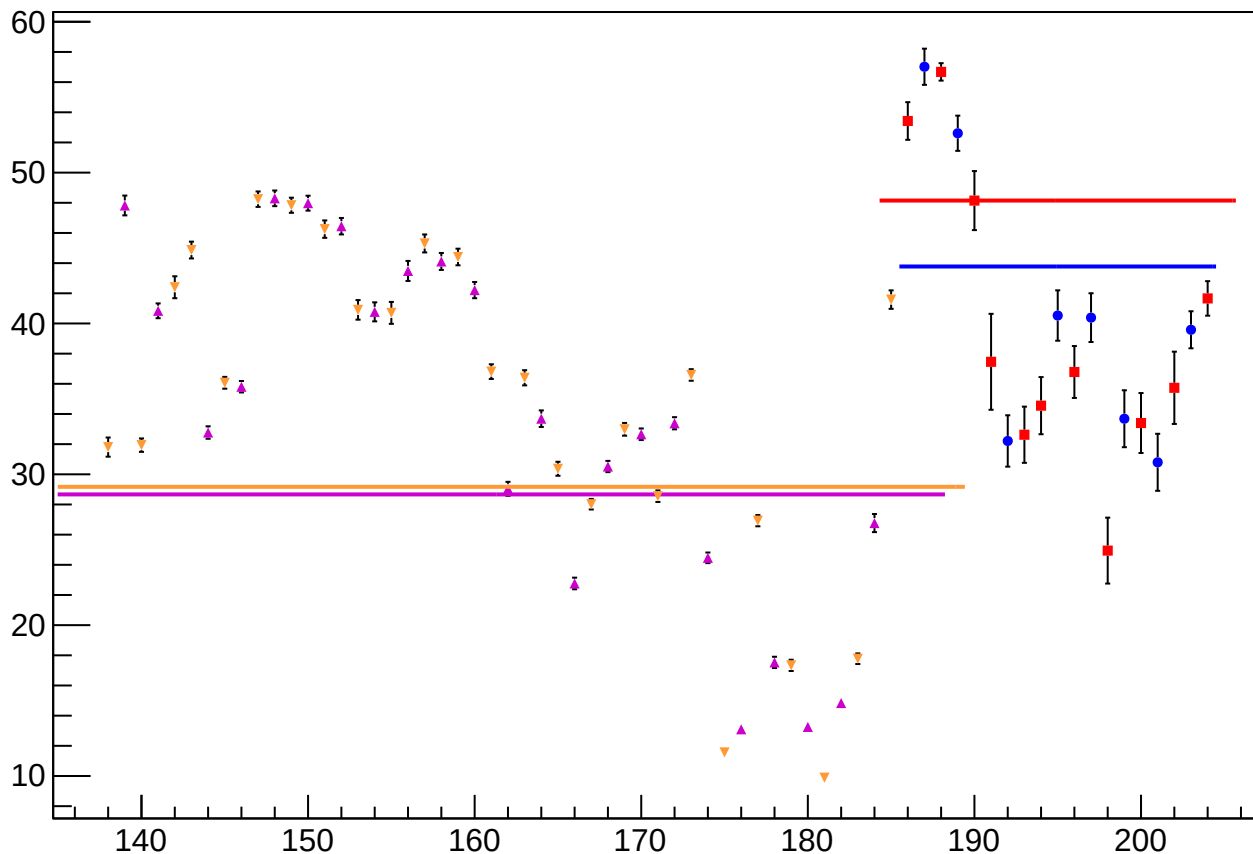
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.550 ± 0.069 χ^2/NDF : 8947.2/32

All: 0.477 ± 0.049 χ^2/NDF : 16226.7/66

- sign 0.401 ± 0.070 χ^2/NDF : 7277.3/33

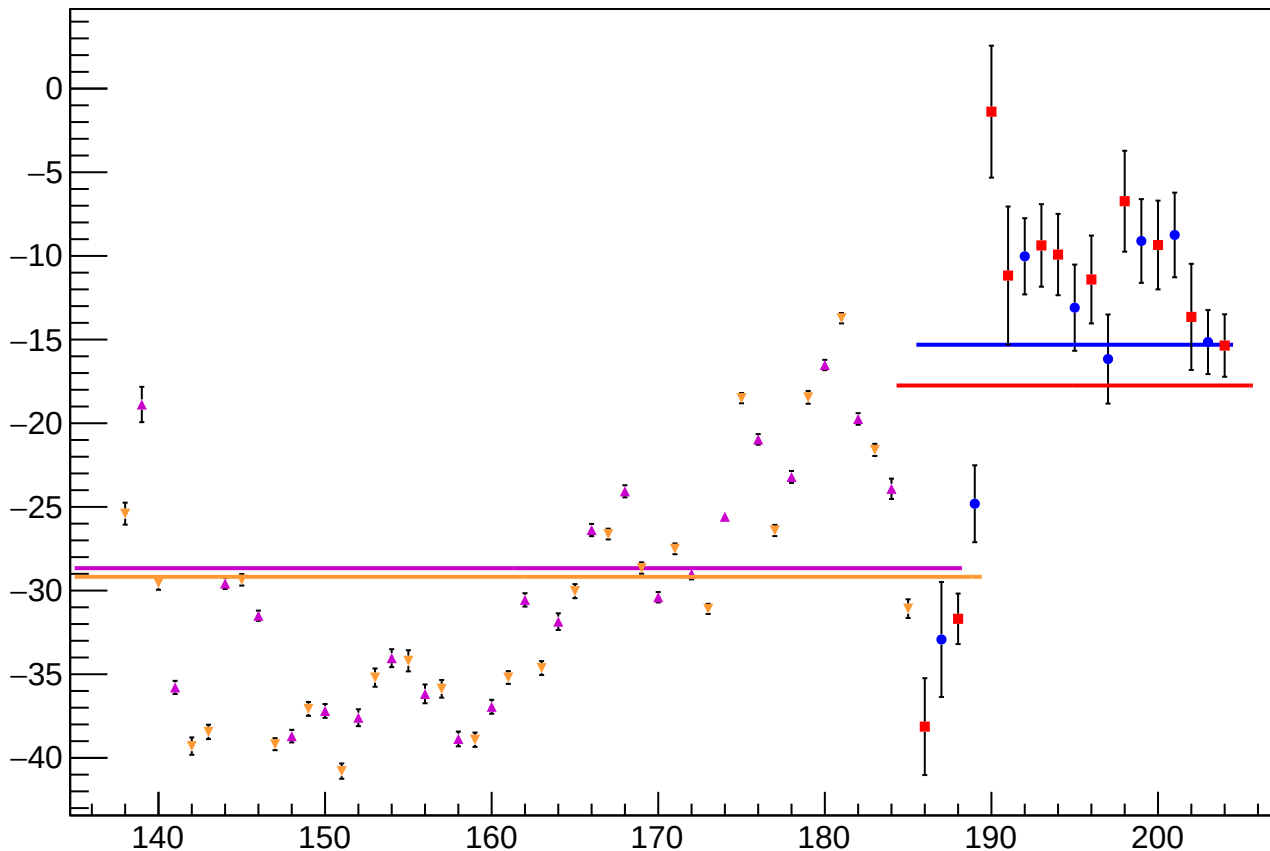
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 43.777 $\pm$ 0.517 χ^2 /NDF: 321.0/7
 Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24
 Right Out: 48.148 $\pm$ 0.399 χ^2 /NDF: 637.9/10
 Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 29.580 $\pm$ 0.087 χ^2 /NDF: 20071.4/32
 All: 29.587 $\pm$ 0.061 χ^2 /NDF: 39831.7/66
 - sign 29.595 $\pm$ 0.087 χ^2 /NDF: 19760.2/33

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -15.308 ± 0.861 $\chi^2/\text{NDF}: 62.5/7$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -17.744 ± 0.746 $\chi^2/\text{NDF}: 209.1/10$

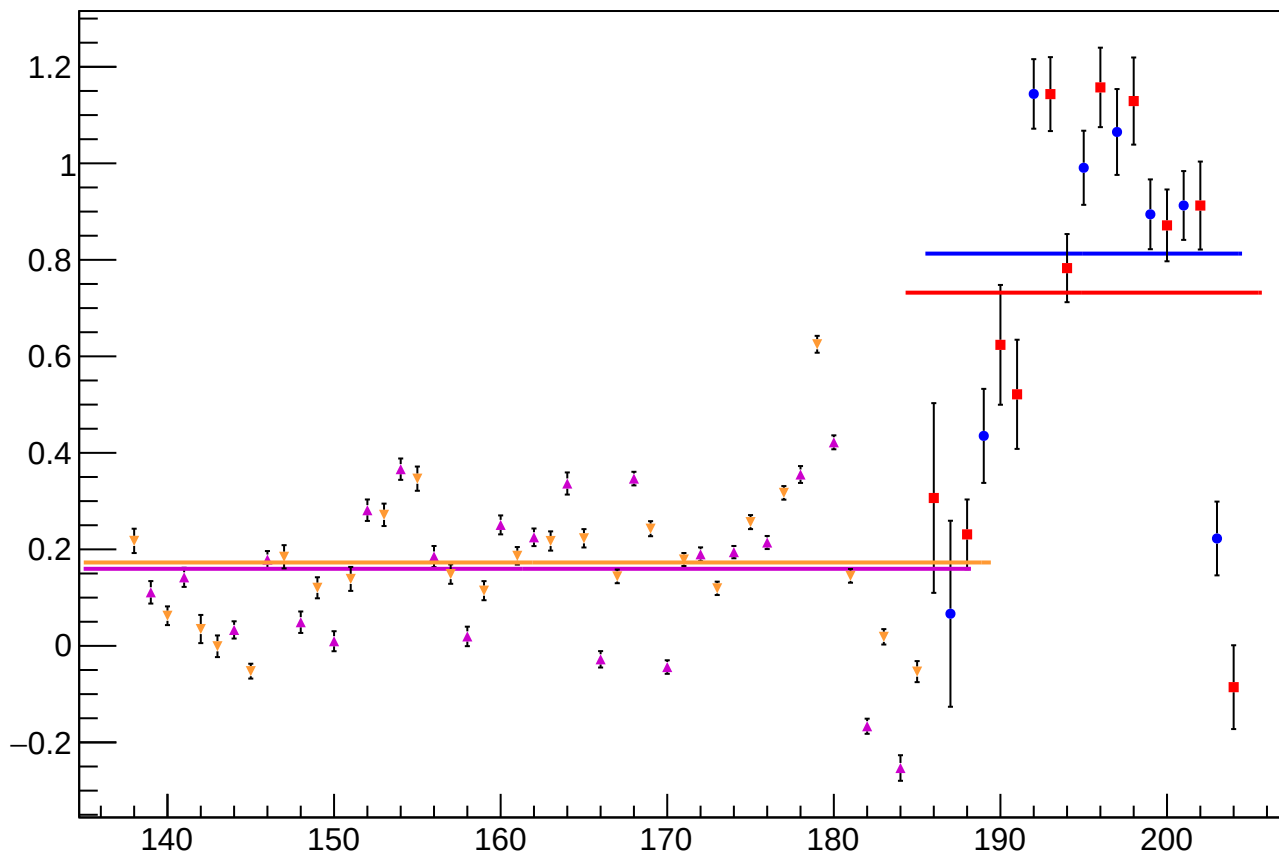
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -29.065 ± 0.078 $\chi^2/\text{NDF}: 9401.0/32$

All: -28.806 ± 0.056 $\chi^2/\text{NDF}: 16514.7/66$

- sign -28.537 ± 0.079 $\chi^2/\text{NDF}: 7091.1/33$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.813 ± 0.029 χ^2/NDF : 127.4/7

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.732 ± 0.026 χ^2/NDF : 228.3/10

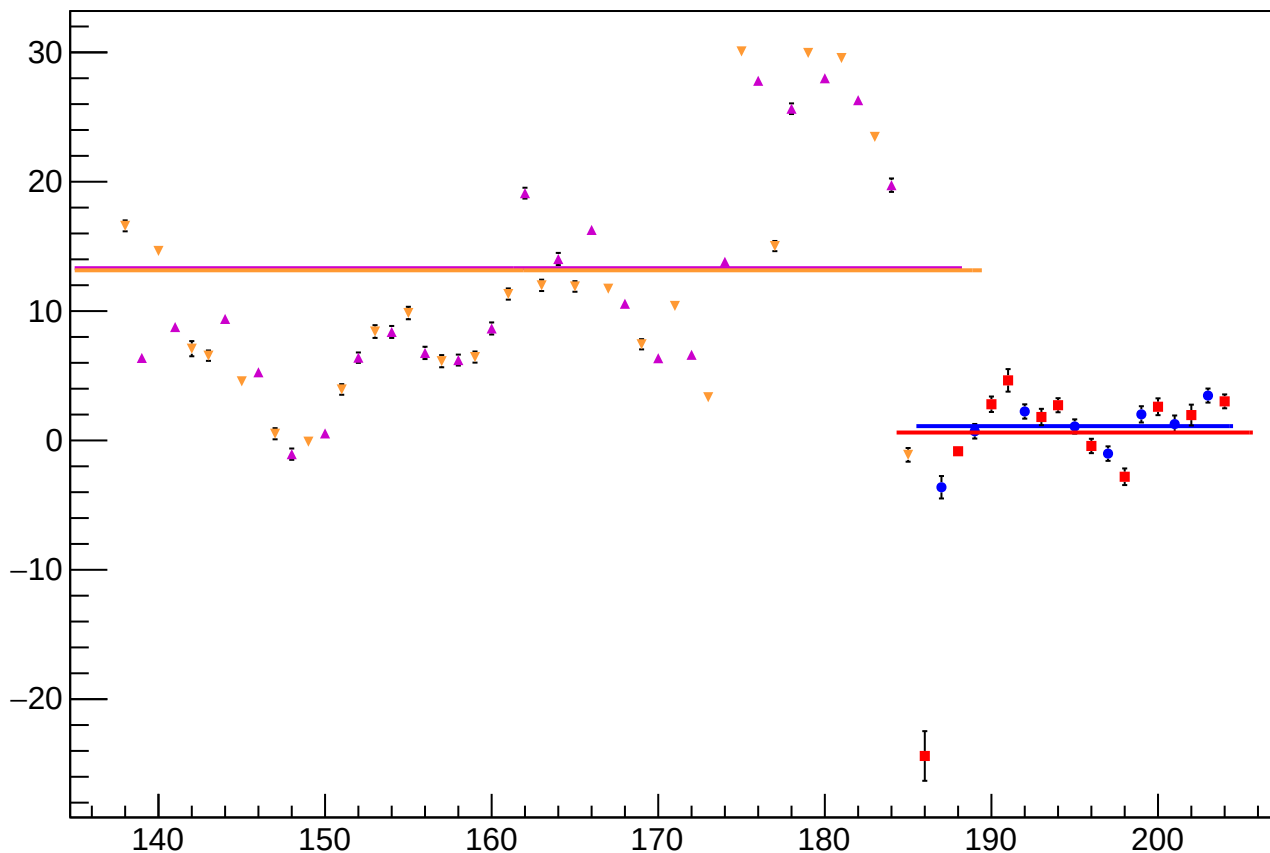
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.182 ± 0.004 χ^2/NDF : 2081.9/32

All: 0.177 ± 0.003 χ^2/NDF : 4834.7/66

- sign 0.170 ± 0.004 χ^2/NDF : 2747.3/33

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.107 ± 0.211 χ^2/NDF : 69.8/7

Left Out: 13.153 ± 0.075 χ^2/NDF : 17079.7/24

Right Out: 0.613 ± 0.167 χ^2/NDF : 313.6/10

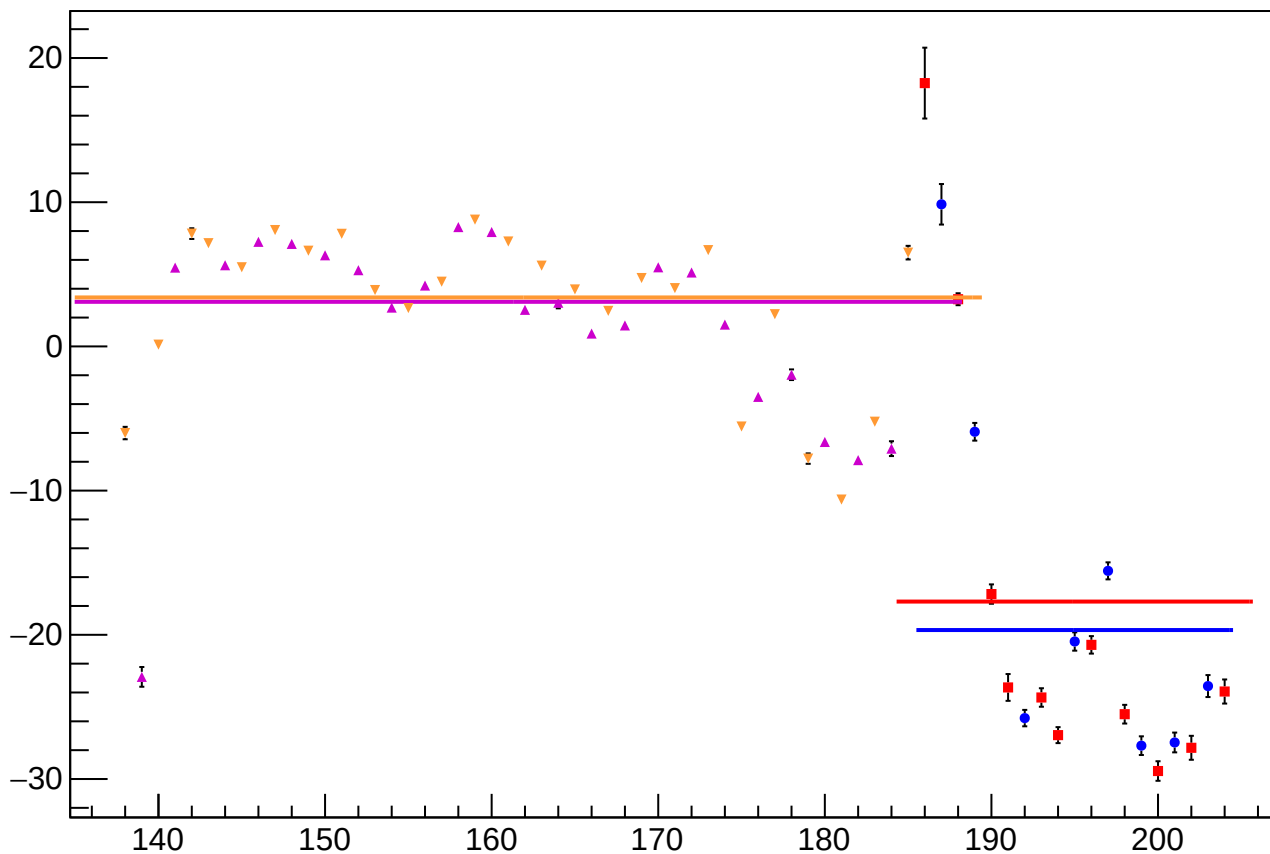
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 11.797 ± 0.071 χ^2/NDF : 20036.2/32

All: 11.435 ± 0.050 χ^2/NDF : 39150.1/66

- sign 11.082 ± 0.070 χ^2/NDF : 19062.3/33

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -19.670 ± 0.237 $\chi^2/\text{NDF}: 1416.1/7$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -17.695 ± 0.199 $\chi^2/\text{NDF}: 3877.7/10$

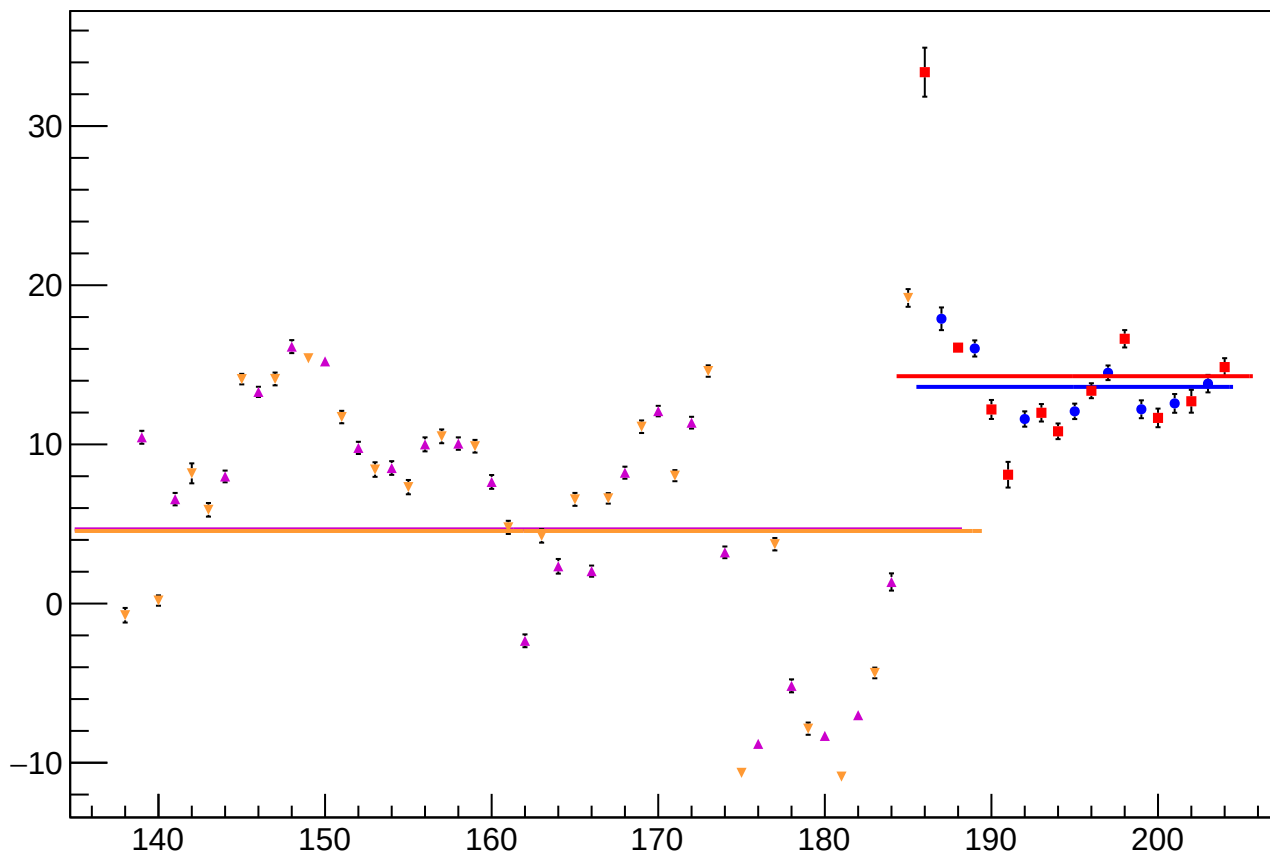
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 2.075 ± 0.057 $\chi^2/\text{NDF}: 18455.6/32$

All: 1.712 ± 0.041 $\chi^2/\text{NDF}: 39494.3/66$

- sign 1.332 ± 0.058 $\chi^2/\text{NDF}: 20954.7/33$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.613+/-0.187 χ^2/NDF : 99.4/7

Left Out: 4.561+/-0.075 χ^2/NDF : 13592.1/24

Right Out: 14.285+/-0.145 χ^2/NDF : 401.8/10

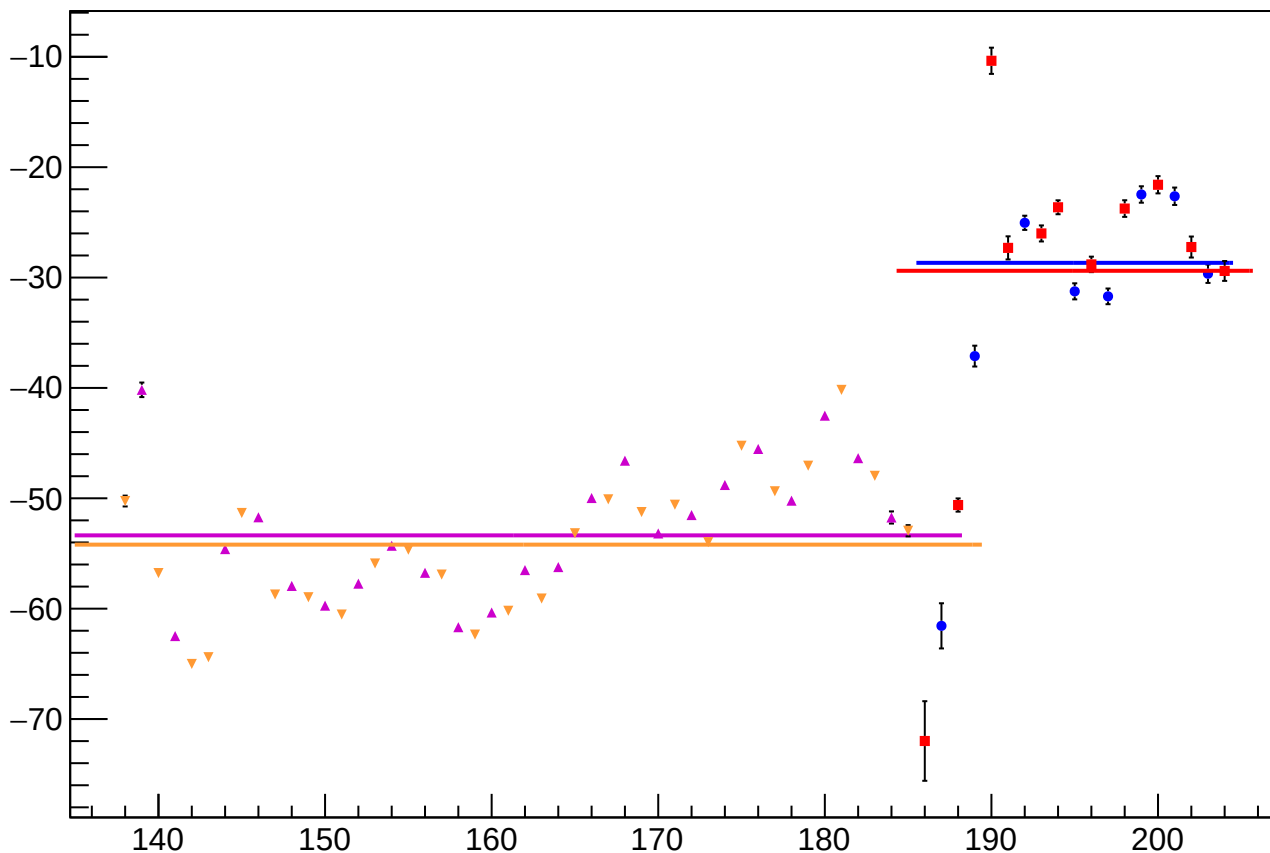
Left In: 4.662+/-0.077 χ^2/NDF : 11281.5/22

+ sign 5.822+/-0.070 χ^2/NDF : 15701.0/32

All: 6.305+/-0.049 χ^2/NDF : 30900.2/66

- sign 6.761+/-0.068 χ^2/NDF : 15106.5/33

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -28.666 ± 0.283 $\chi^2/\text{NDF}: 529.8/7$

Left Out: -54.199 ± 0.066 $\chi^2/\text{NDF}: 8454.7/24$

Right Out: -29.387 ± 0.245 $\chi^2/\text{NDF}: 1921.3/10$

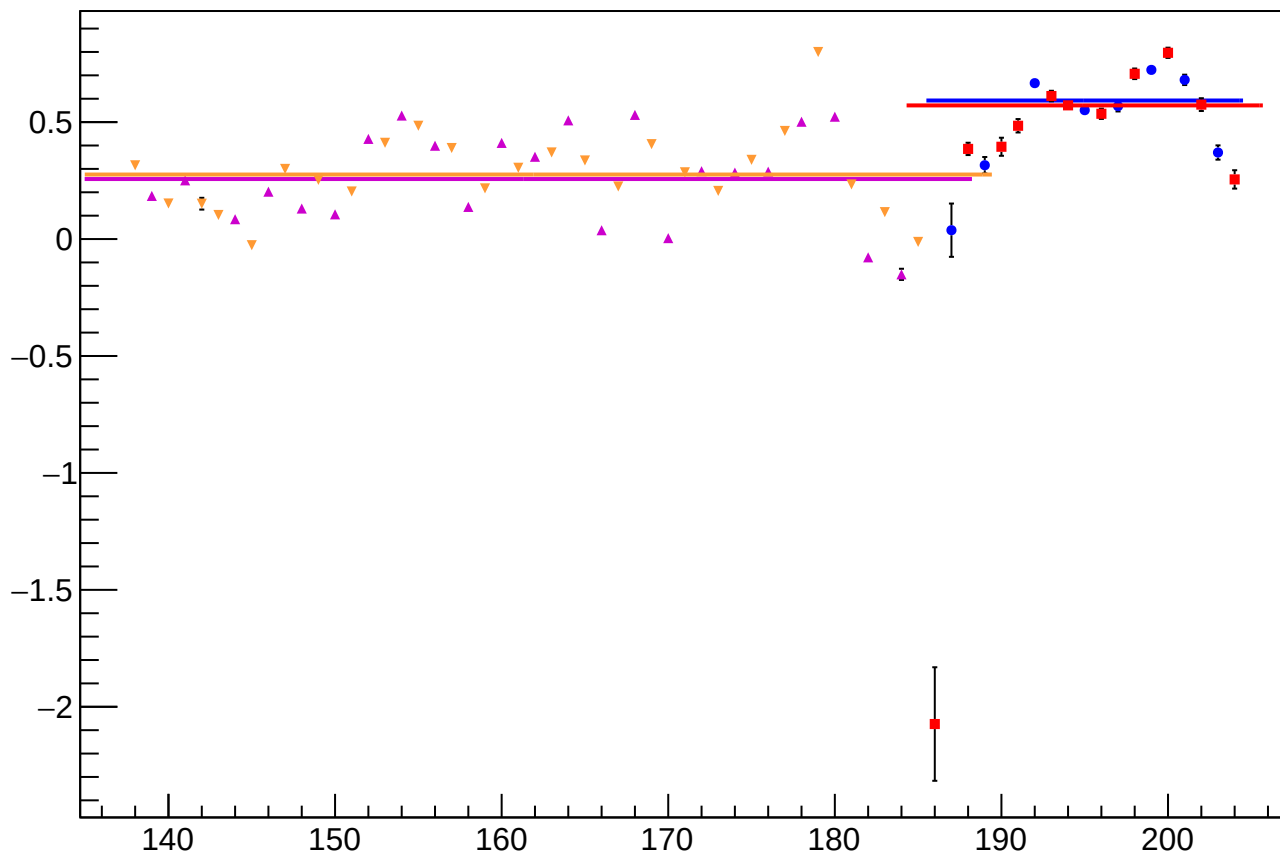
Left In: -53.359 ± 0.068 $\chi^2/\text{NDF}: 6882.0/22$

+ sign -52.867 ± 0.065 $\chi^2/\text{NDF}: 16701.0/32$

All: -52.257 ± 0.046 $\chi^2/\text{NDF}: 34563.5/66$

- sign -51.622 ± 0.066 $\chi^2/\text{NDF}: 17680.8/33$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.592 ± 0.009 χ^2/NDF : 209.6/7

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.571 ± 0.008 χ^2/NDF : 410.4/10

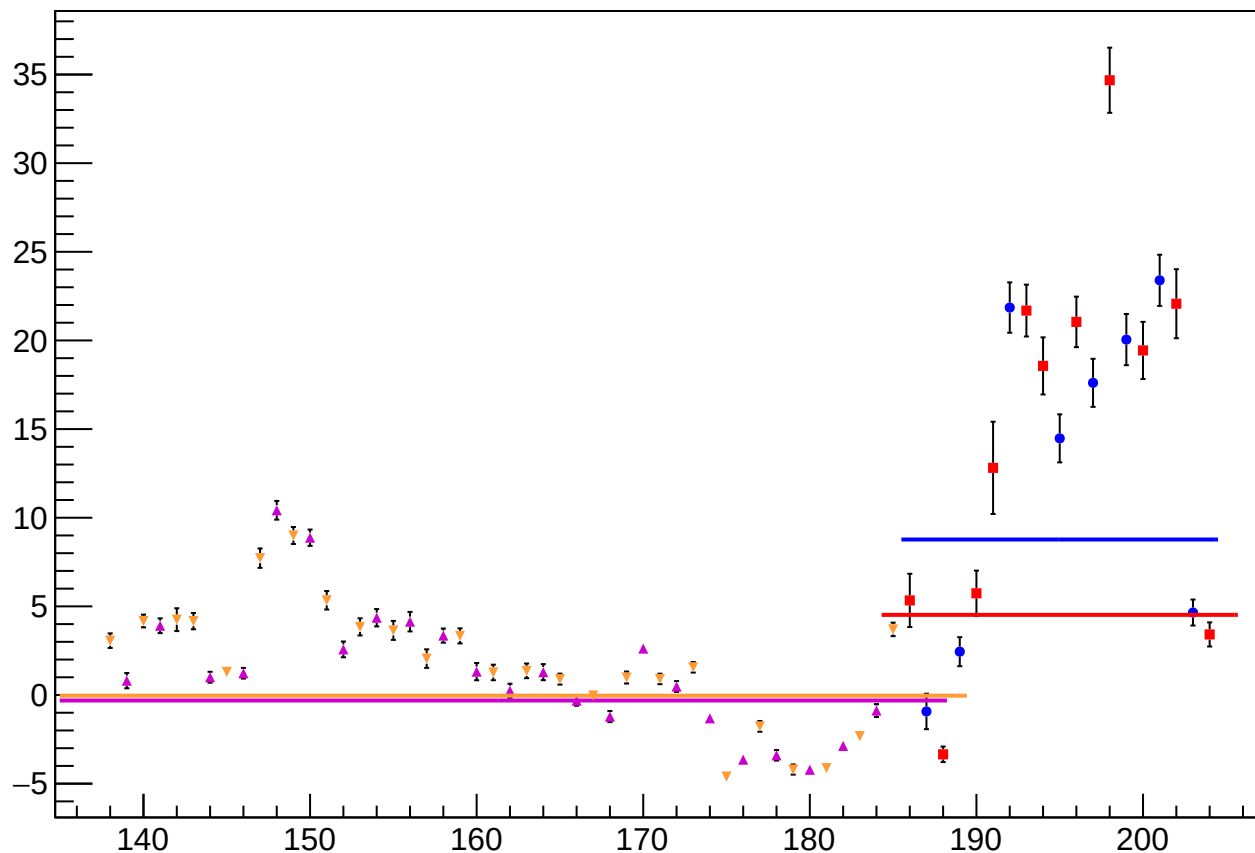
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.309 ± 0.003 χ^2/NDF : 3965.3/32

All: 0.304 ± 0.002 χ^2/NDF : 9406.3/66

- sign 0.300 ± 0.003 χ^2/NDF : 5435.5/33

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 8.771 ± 0.381 $\chi^2/\text{NDF}: 494.0/7$

Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$

Right Out: 4.520 ± 0.304 $\chi^2/\text{NDF}: 1119.8/10$

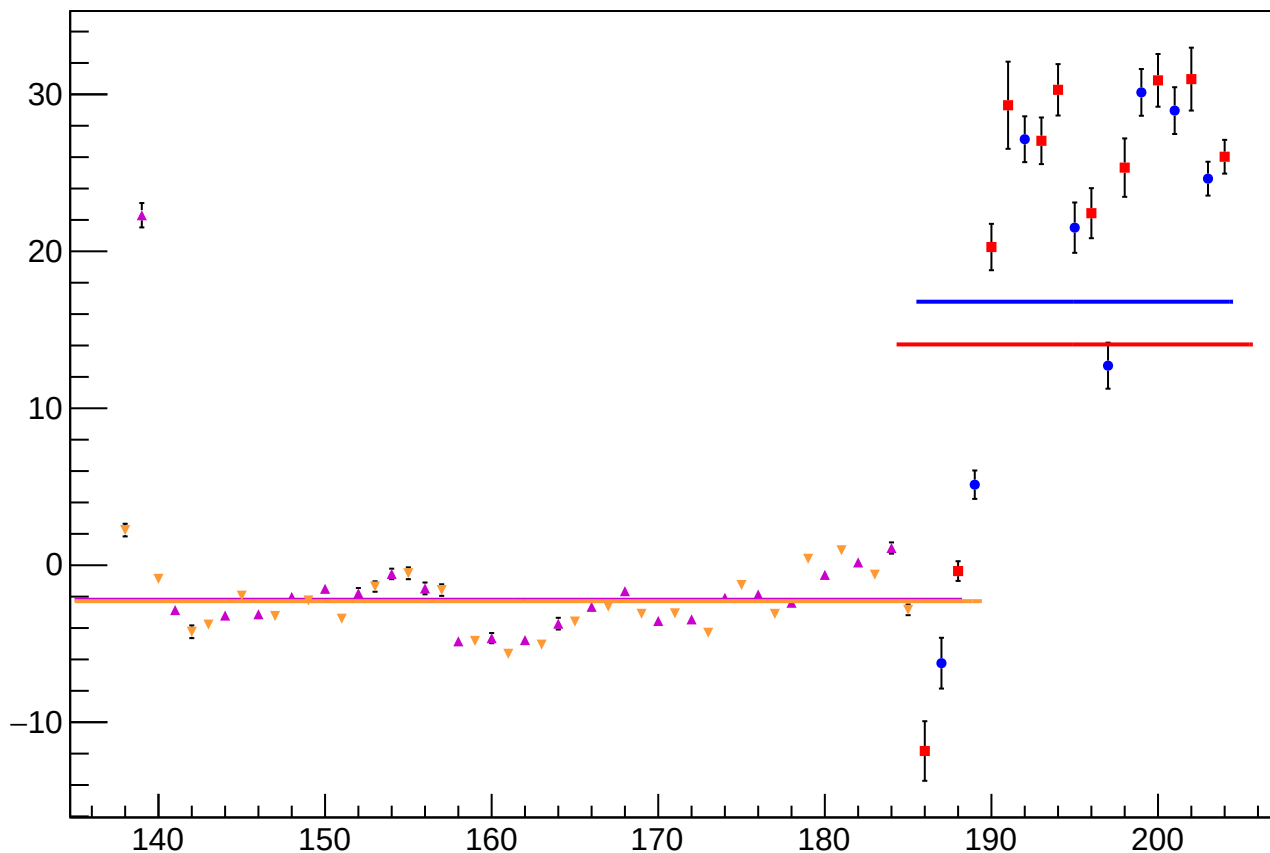
Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

+ sign 0.220 ± 0.065 $\chi^2/\text{NDF}: 3651.5/32$

All: 0.070 ± 0.046 $\chi^2/\text{NDF}: 7273.7/66$

- sign -0.084 ± 0.066 $\chi^2/\text{NDF}: 3611.4/33$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 16.791 ± 0.462 χ^2/NDF : 634.8/7

Left Out: -2.288 ± 0.054 χ^2/NDF : 1137.7/24

Right Out: 14.068 ± 0.396 χ^2/NDF : 1296.9/10

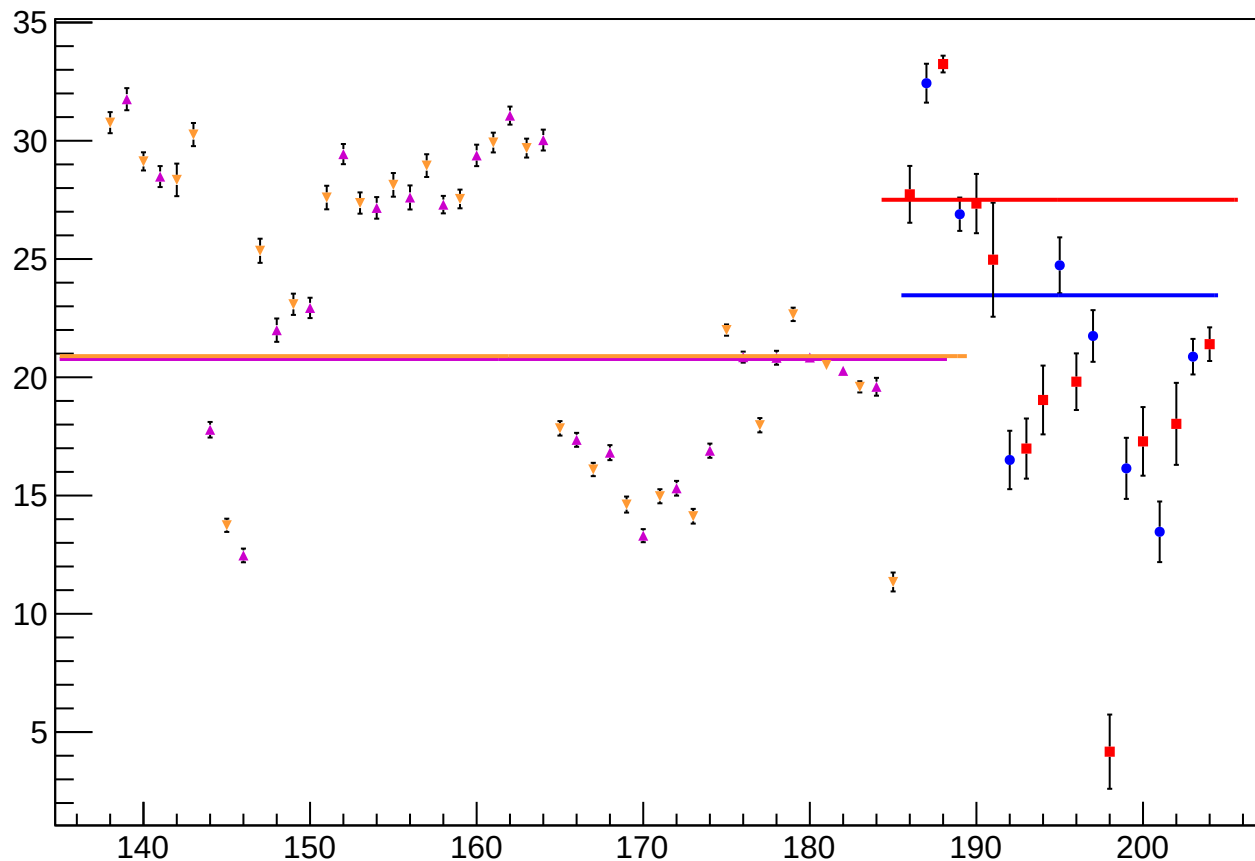
Left In: -2.198 ± 0.055 χ^2/NDF : 1673.9/22

+ sign -2.030 ± 0.054 χ^2/NDF : 3455.2/32

All: -1.960 ± 0.038 χ^2/NDF : 8085.6/66

- sign -1.889 ± 0.055 χ^2/NDF : 4627.0/33

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 23.466 $\pm$ 0.339 χ^2 /NDF: 283.0/7

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF: 6655.4/24

Right Out: 27.505 $\pm$ 0.263 χ^2 /NDF: 781.8/10

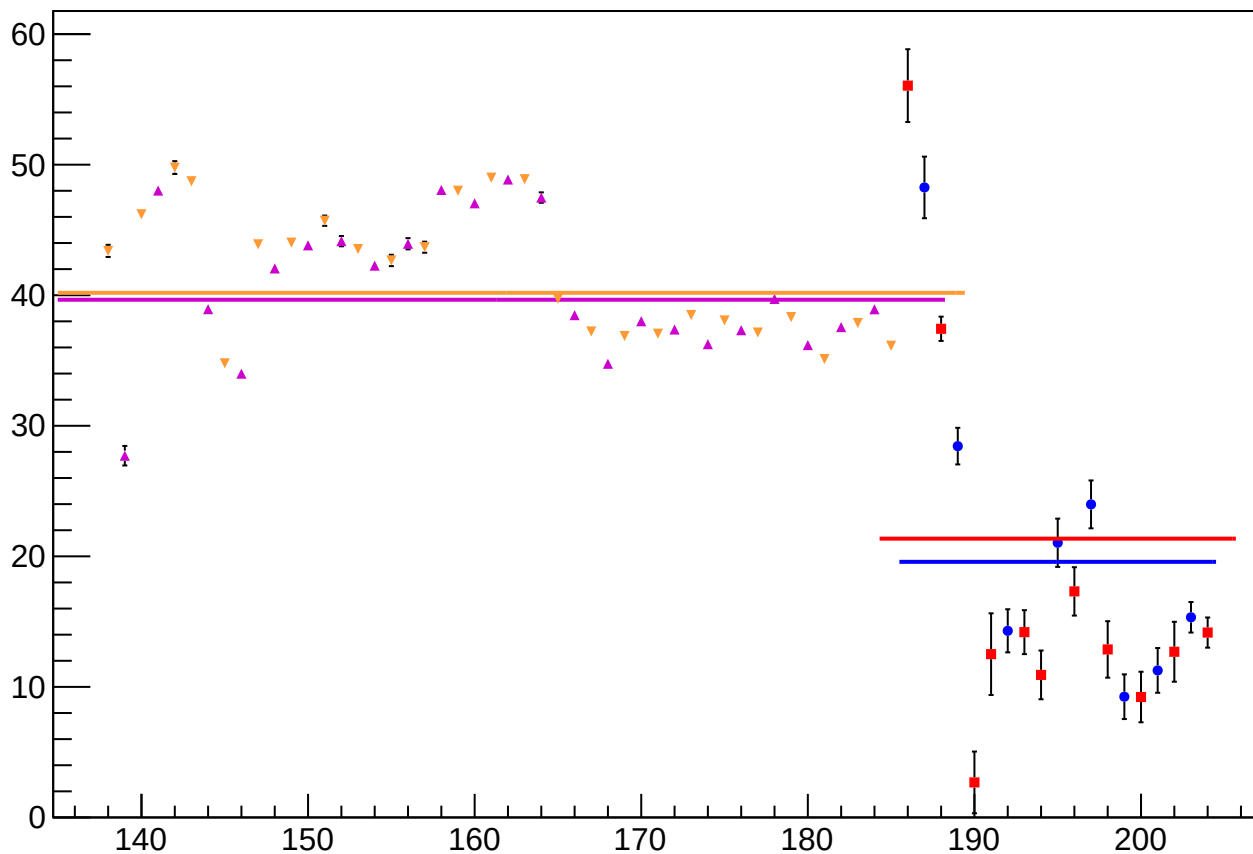
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF: 5927.9/22

+ sign 20.990 $\pm$ 0.065 χ^2 /NDF: 6993.6/32

All: 21.090 $\pm$ 0.046 χ^2 /NDF: 14322.7/66

- sign 21.191 $\pm$ 0.065 χ^2 /NDF: 7324.3/33

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 19.580 ± 0.572 χ^2/NDF : 277.6/7

Left Out: 40.186 ± 0.060 χ^2/NDF : 5932.7/24

Right Out: 21.355 ± 0.505 χ^2/NDF : 685.8/10

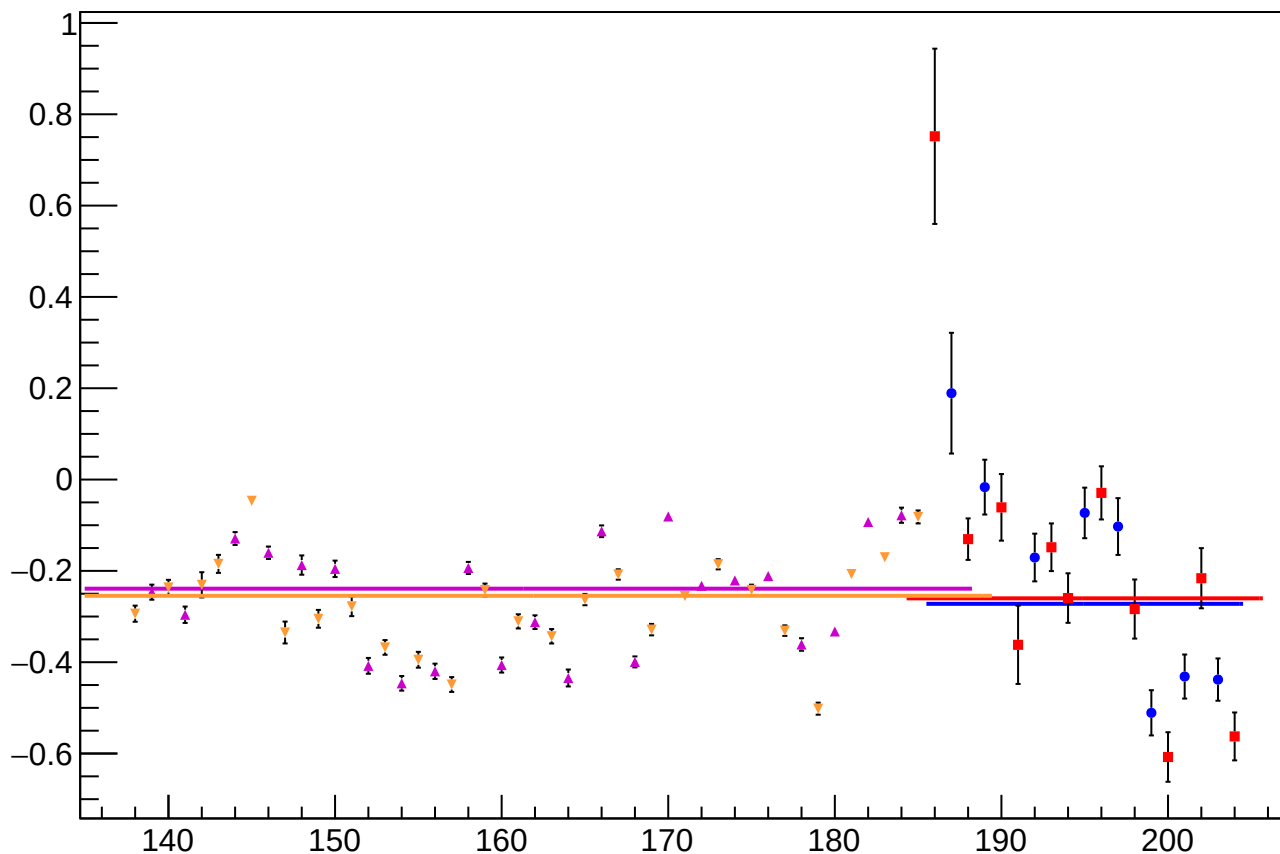
Left In: 39.655 ± 0.061 χ^2/NDF : 5298.6/22

+ sign 39.959 ± 0.060 χ^2/NDF : 7494.3/32

All: 39.678 ± 0.043 χ^2/NDF : 14816.1/66

- sign 39.388 ± 0.061 χ^2/NDF : 7277.3/33

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.272 ± 0.020 $\chi^2/\text{NDF}: 101.4/7$

Left Out: -0.255 ± 0.003 $\chi^2/\text{NDF}: 1420.4/24$

Right Out: -0.260 ± 0.018 $\chi^2/\text{NDF}: 139.9/10$

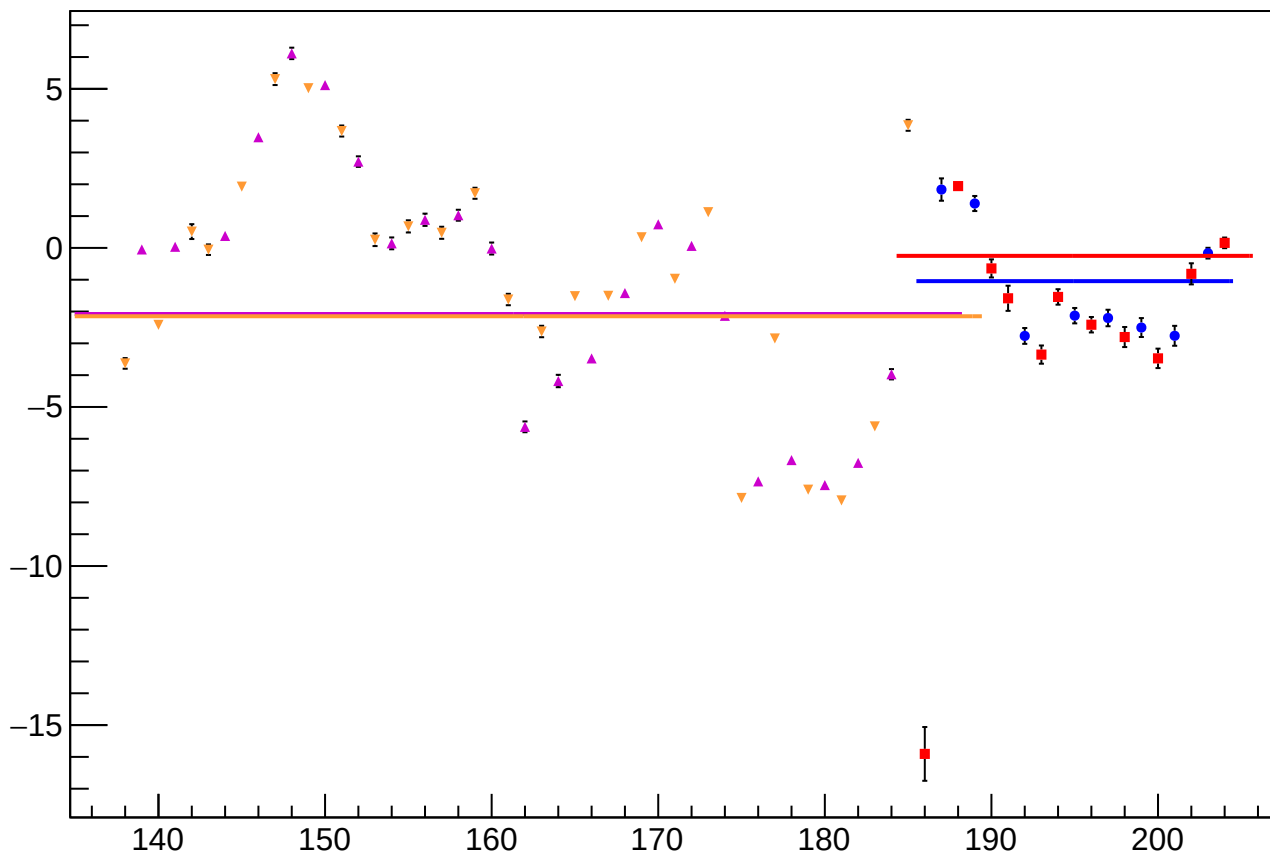
Left In: -0.239 ± 0.003 $\chi^2/\text{NDF}: 1750.5/22$

+ sign -0.255 ± 0.003 $\chi^2/\text{NDF}: 1522.6/32$

All: -0.247 ± 0.002 $\chi^2/\text{NDF}: 3430.2/66$

- sign -0.239 ± 0.003 $\chi^2/\text{NDF}: 1891.7/33$

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.044 ± 0.088 χ^2/NDF : 342.2/7

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.250 ± 0.068 χ^2/NDF : 1166.6/10

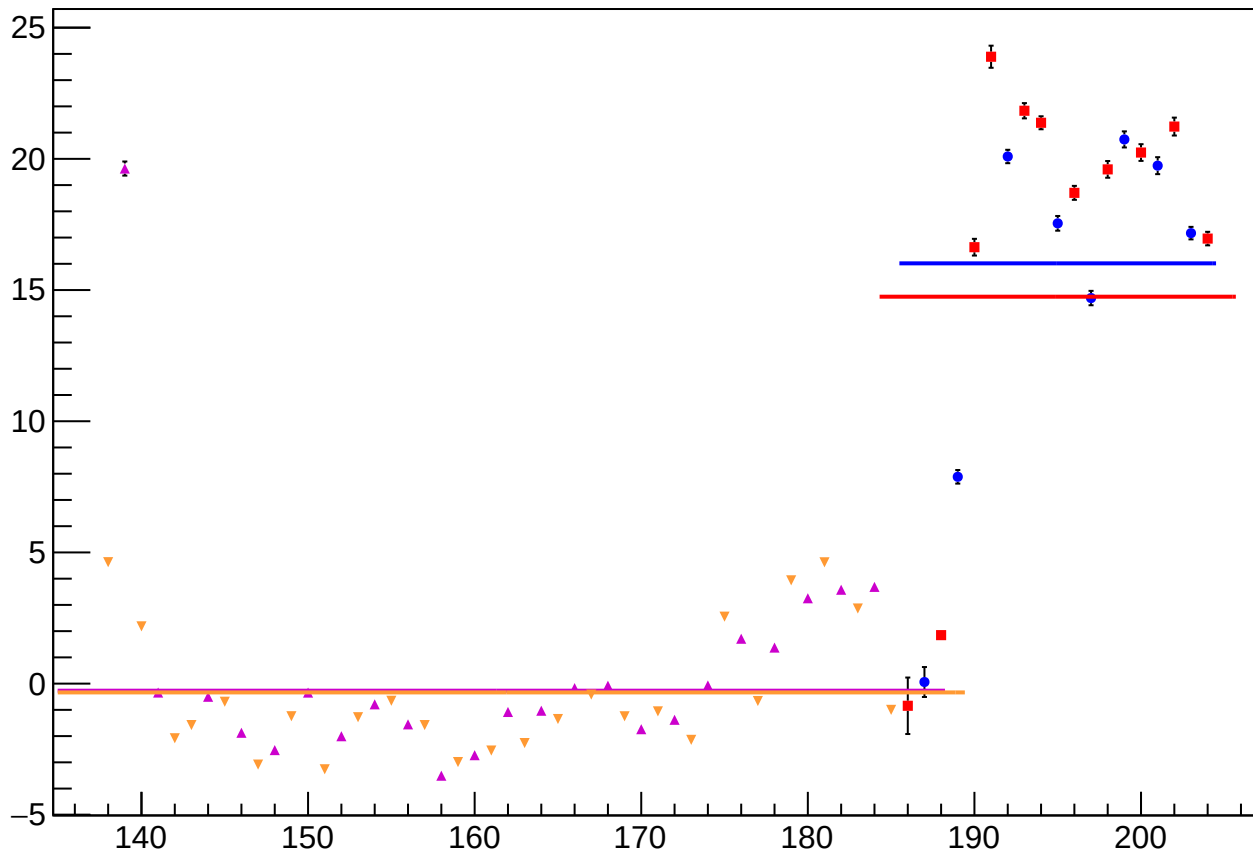
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.061 ± 0.025 χ^2/NDF : 25025.1/32

All: -1.952 ± 0.017 χ^2/NDF : 50103.1/66

- sign -1.845 ± 0.024 χ^2/NDF : 25039.0/33

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 16.018 ± 0.102 χ^2/NDF : 2466.8/7

Left Out: -0.335 ± 0.021 χ^2/NDF : 12596.1/24

Right Out: 14.747 ± 0.084 χ^2/NDF : 9597.8/10

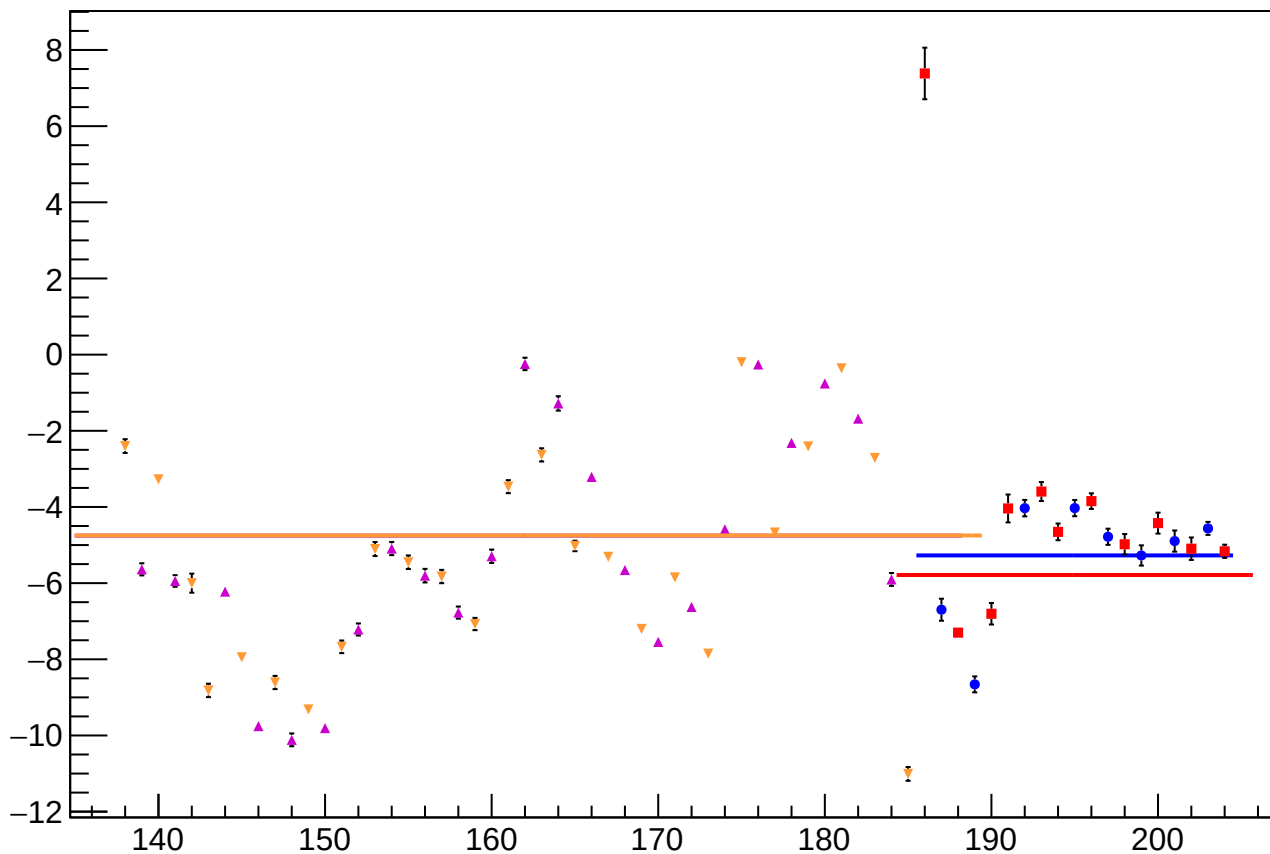
Left In: -0.269 ± 0.021 χ^2/NDF : 13323.1/22

+ sign 0.310 ± 0.020 χ^2/NDF : 39975.8/32

All: 0.455 ± 0.014 χ^2/NDF : 92796.9/66

- sign 0.601 ± 0.020 χ^2/NDF : 52717.9/33

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.272 ± 0.079 χ^2/NDF : 374.6/7

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -5.786 ± 0.060 χ^2/NDF : 948.8/10

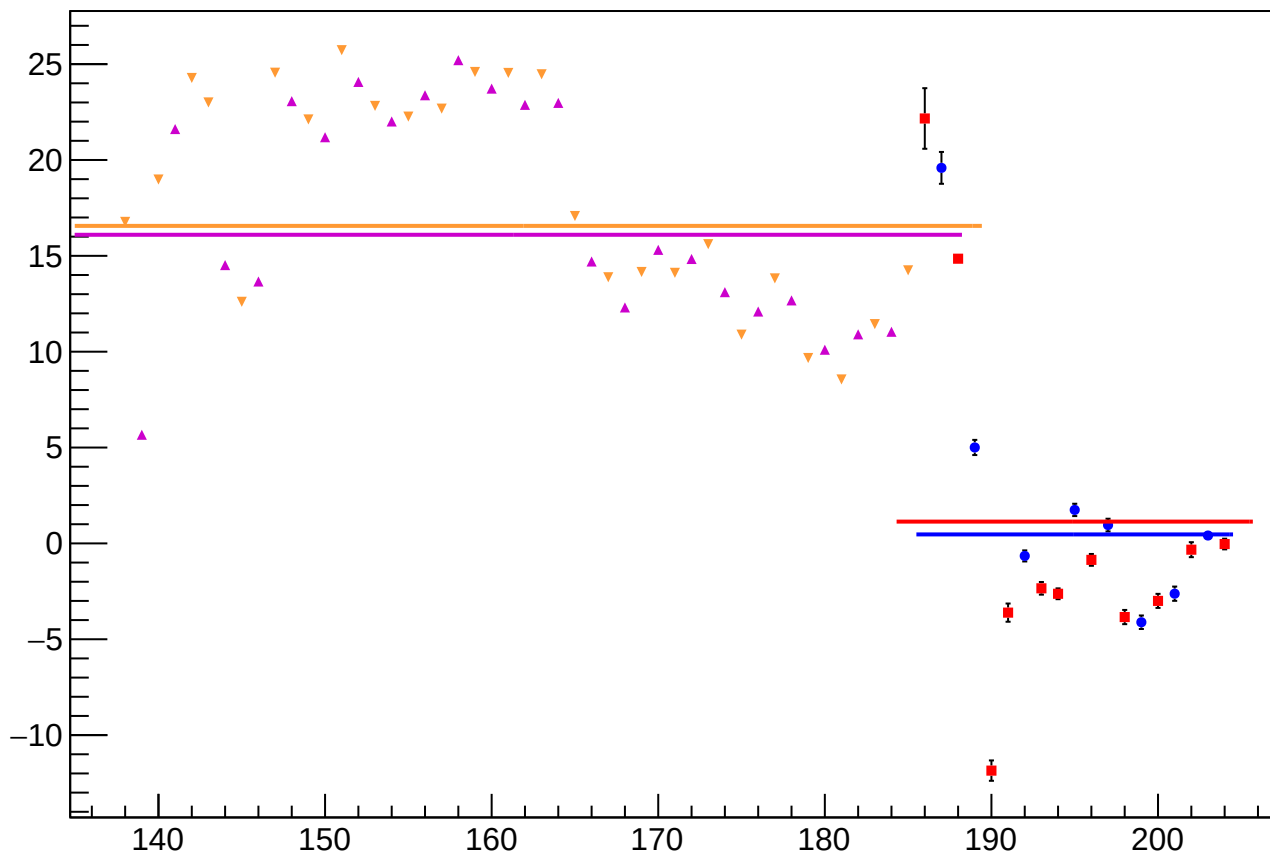
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.799 ± 0.025 χ^2/NDF : 13704.4/32

All: -4.861 ± 0.017 χ^2/NDF : 29036.4/66

- sign -4.920 ± 0.024 χ^2/NDF : 15319.7/33

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.469 ± 0.121 $\chi^2/\text{NDF}: 931.6/7$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 1.137 ± 0.104 $\chi^2/\text{NDF}: 4981.5/10$

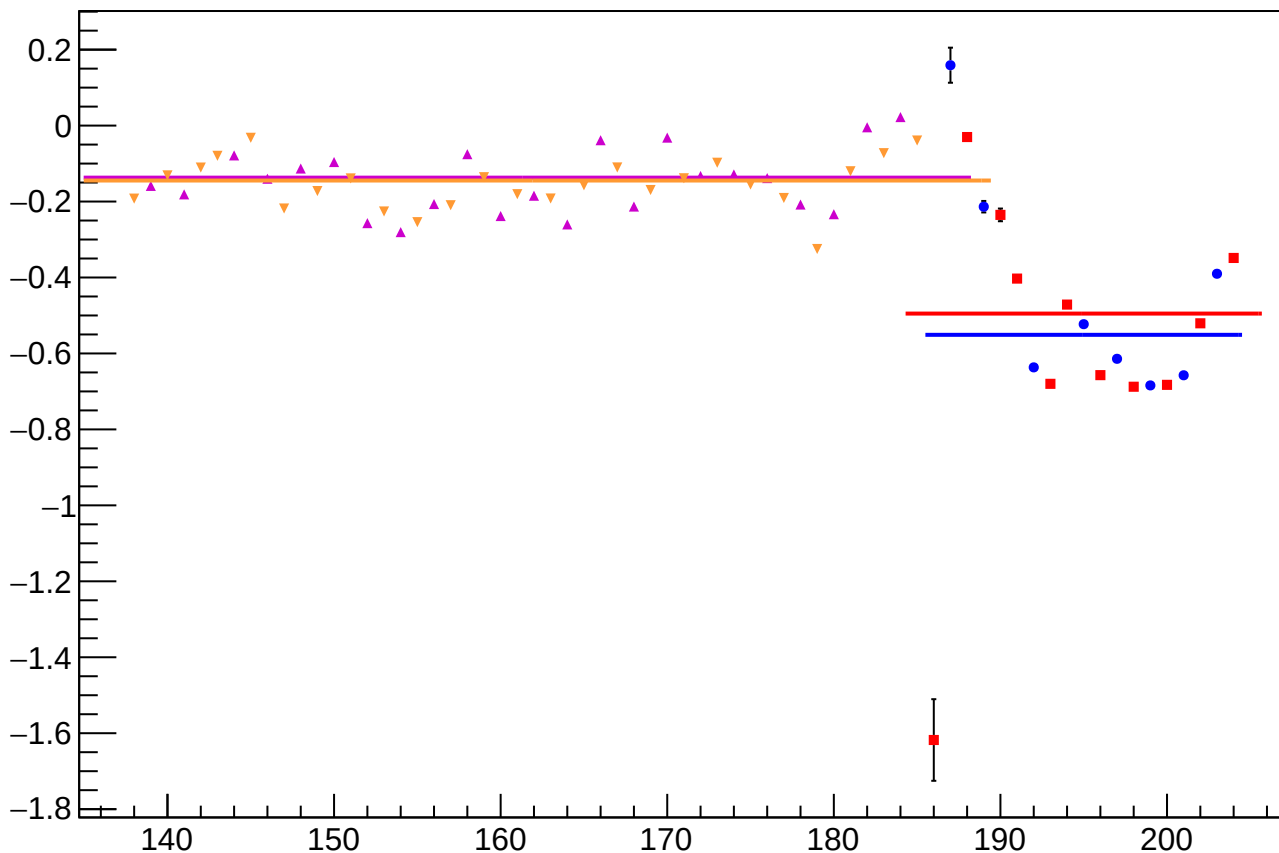
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 15.992 ± 0.023 $\chi^2/\text{NDF}: 71937.6/32$

All: 15.681 ± 0.016 $\chi^2/\text{NDF}: 139458.7/66$

- sign 15.363 ± 0.023 $\chi^2/\text{NDF}: 67142.6/33$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.551 ± 0.004 χ^2/NDF : 1417.2/7

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.495 ± 0.003 χ^2/NDF : 3799.1/10

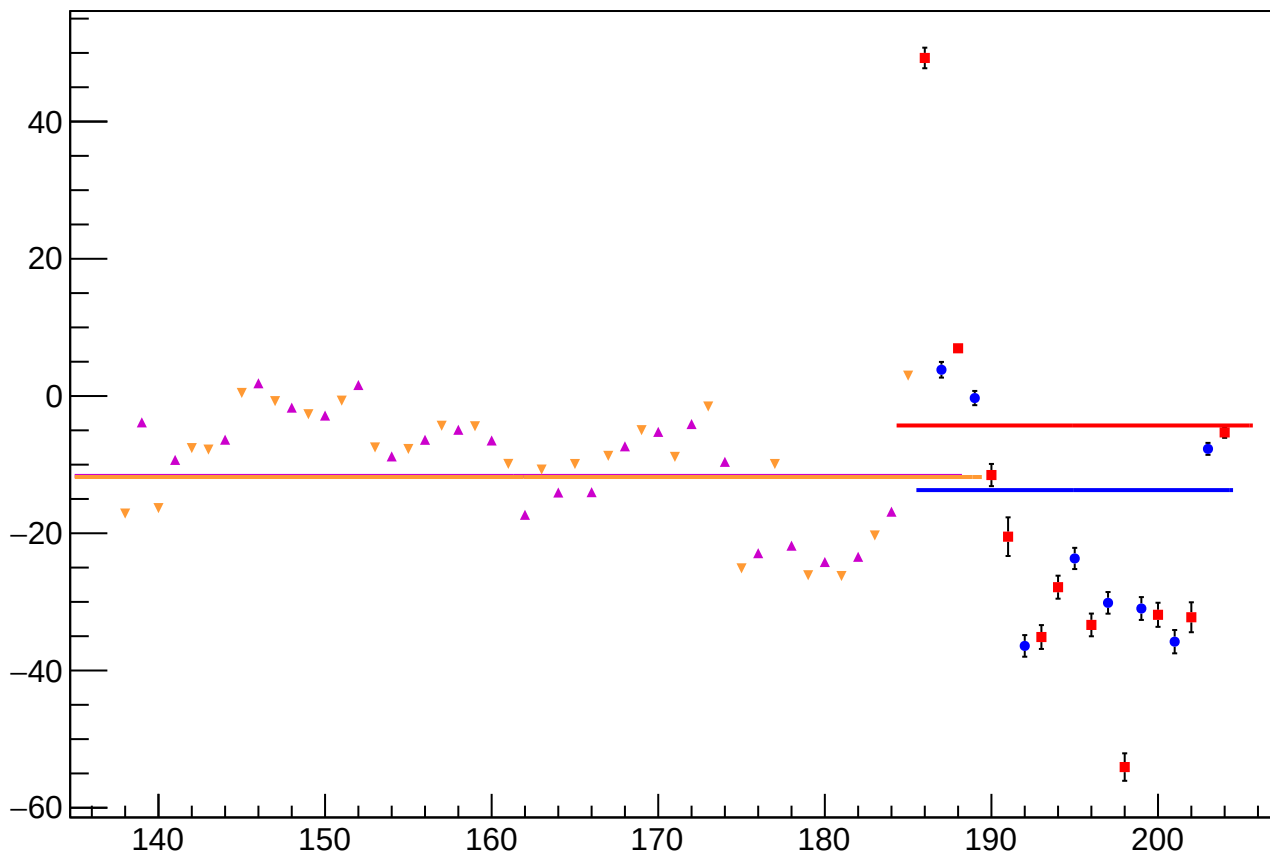
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.172 ± 0.001 χ^2/NDF : 15362.1/32

All: -0.171 ± 0.001 χ^2/NDF : 34624.8/66

- sign -0.169 ± 0.001 χ^2/NDF : 19258.0/33

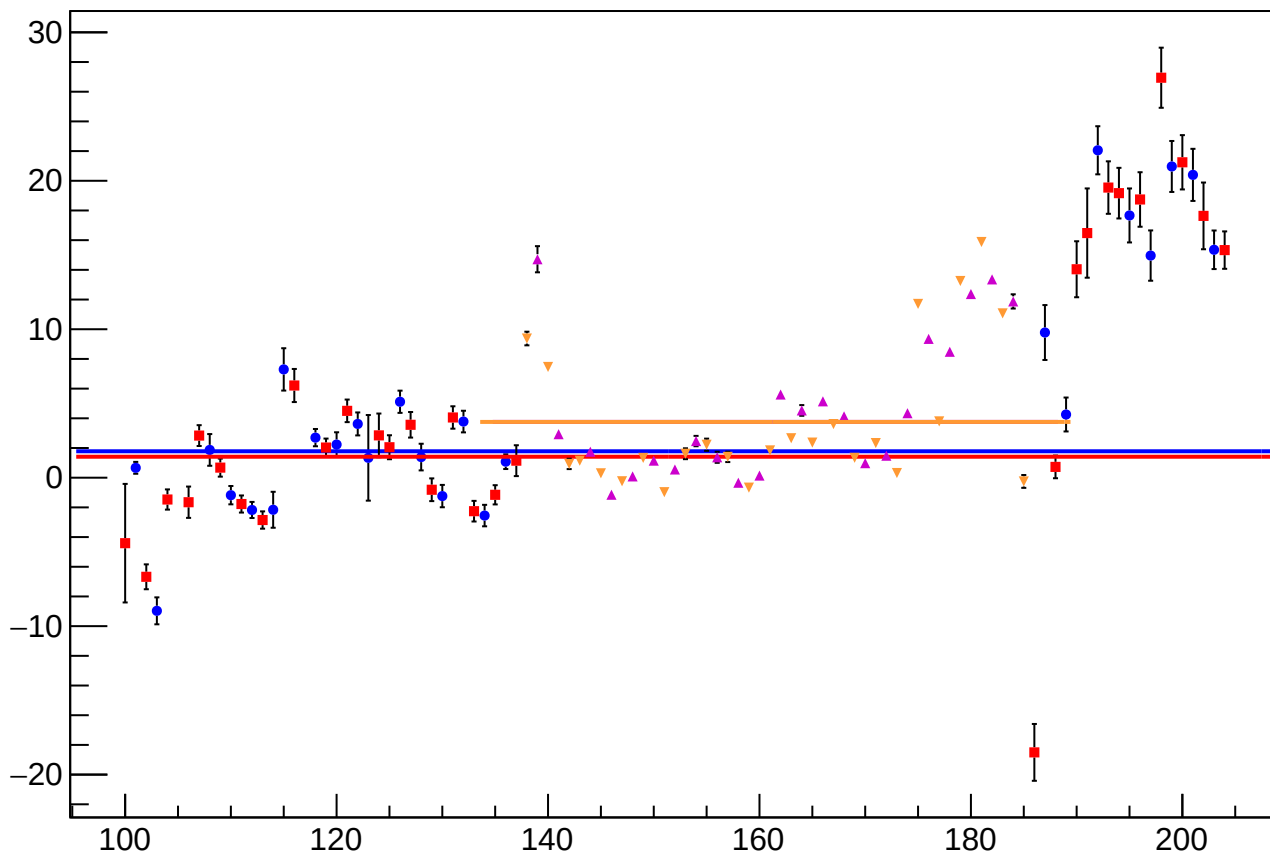
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -13.709 ± 0.450 $\chi^2/\text{NDF}: 1084.6/7$
 Left Out: -11.801 ± 0.070 $\chi^2/\text{NDF}: 17308.2/24$
 Right Out: -4.292 ± 0.357 $\chi^2/\text{NDF}: 3618.3/10$
 Left In: -11.642 ± 0.072 $\chi^2/\text{NDF}: 14121.2/22$

+ sign -11.847 ± 0.069 $\chi^2/\text{NDF}: 18410.3/32$
 All: -11.605 ± 0.049 $\chi^2/\text{NDF}: 36582.5/66$
 - sign -11.358 ± 0.070 $\chi^2/\text{NDF}: 18147.6/33$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.780 ± 0.163 $\chi^2/\text{NDF}: 1003.3/24$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 1.413 ± 0.163 $\chi^2/\text{NDF}: 1252.0/29$

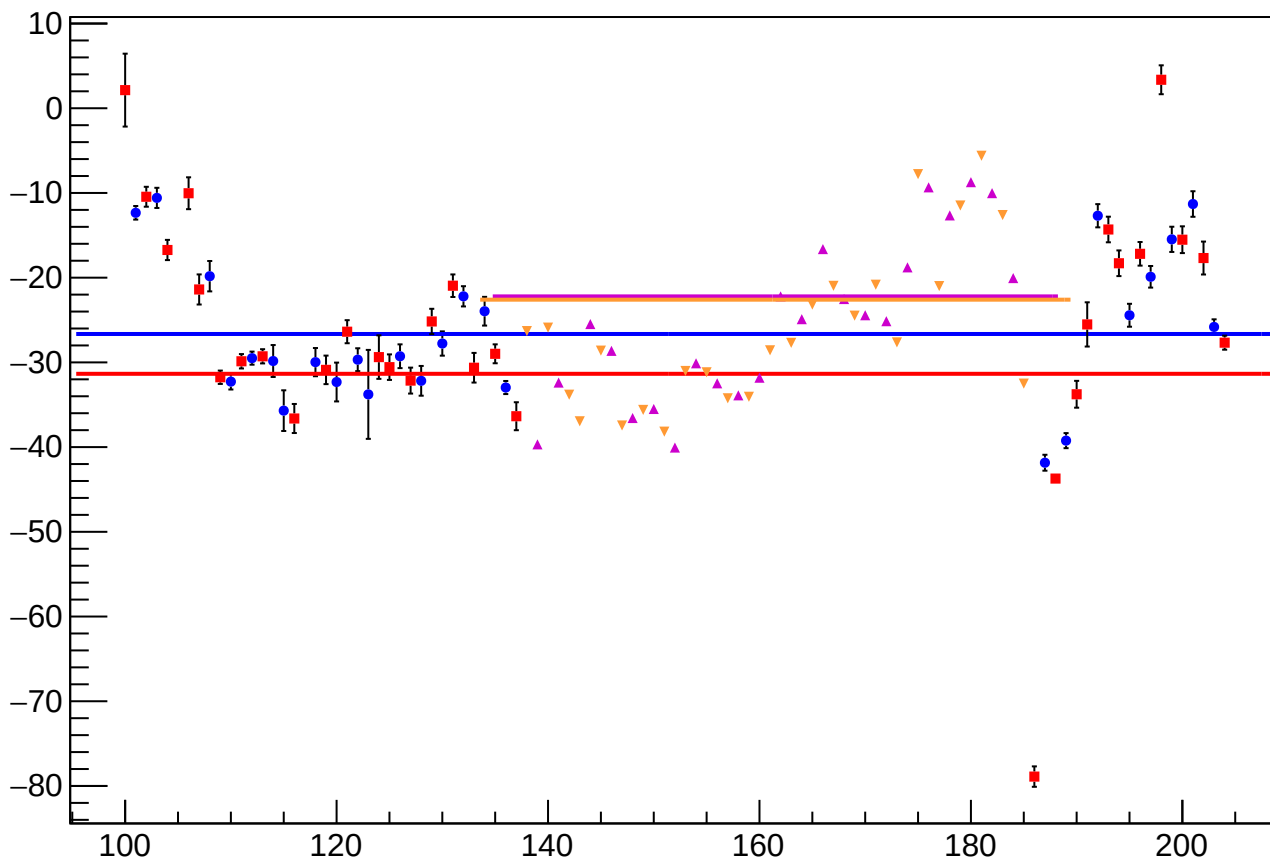
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.550 ± 0.053 $\chi^2/\text{NDF}: 8586.1/49$

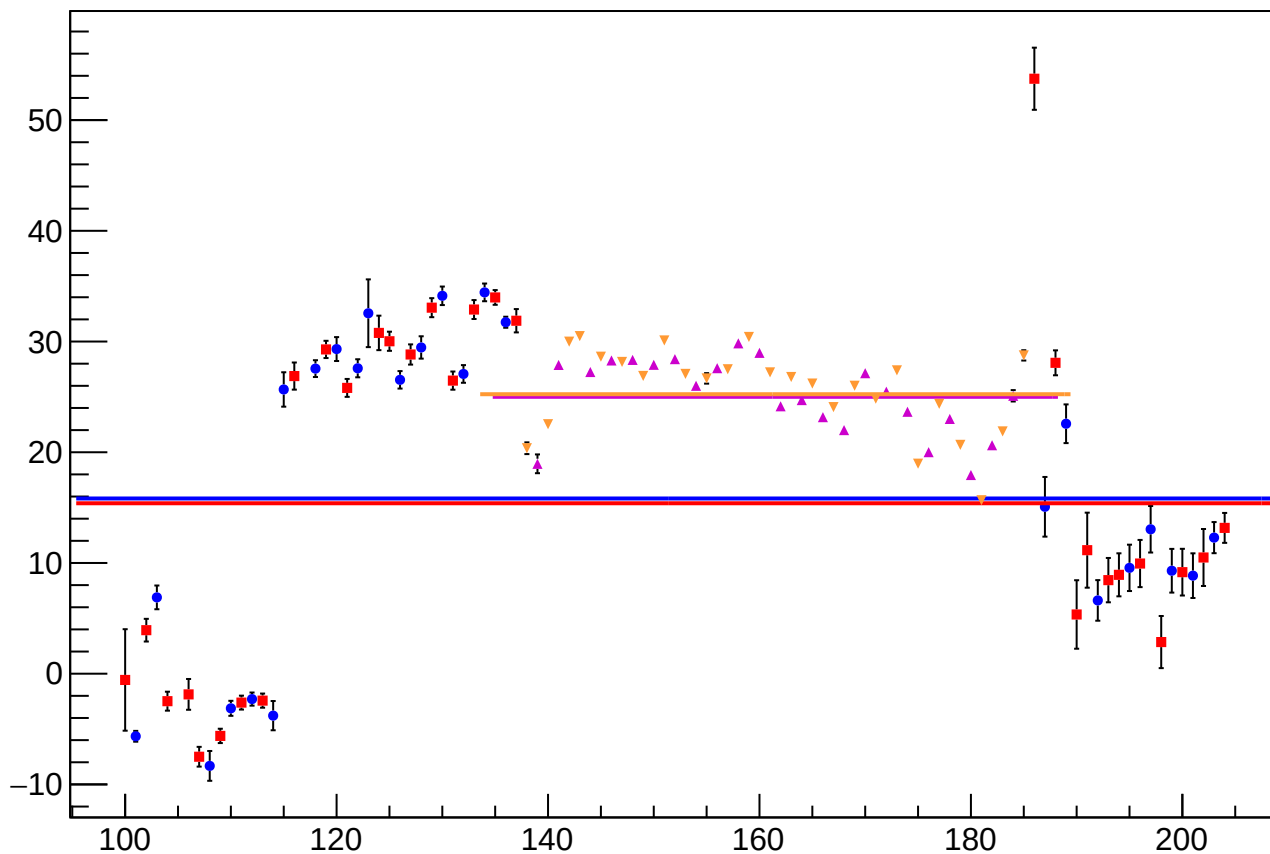
All: 3.529 ± 0.037 $\chi^2/\text{NDF}: 15651.4/102$

- sign 3.506 ± 0.054 $\chi^2/\text{NDF}: 7064.9/52$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.824 $\pm$ 0.185 χ^2 /NDF: 7624.5/24

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.393 $\pm$ 0.187 χ^2 /NDF: 7660.8/29

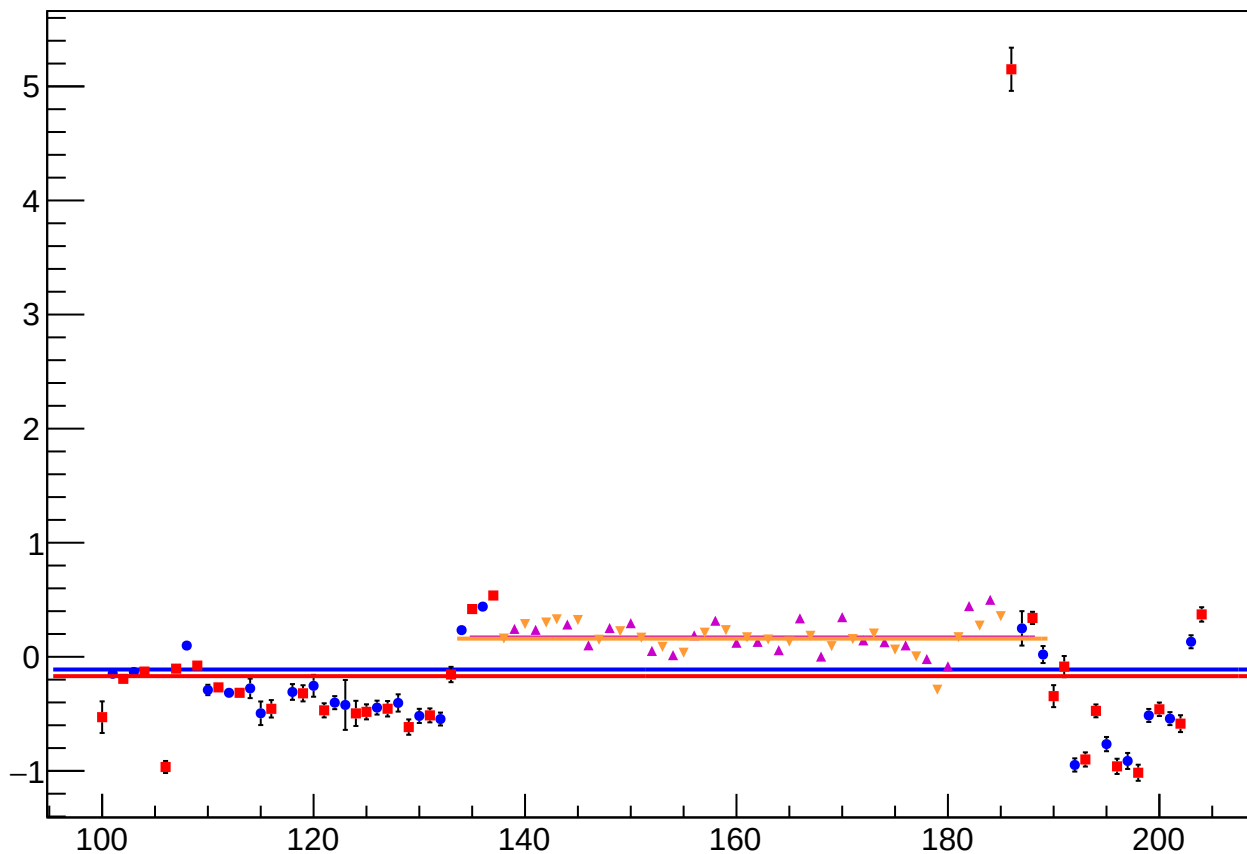
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.273 $\pm$ 0.059 χ^2 /NDF: 13737.7/49

All: 24.141 $\pm$ 0.042 χ^2 /NDF: 26500.4/102

- sign 24.004 $\pm$ 0.060 χ^2 /NDF: 12752.6/52

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.111 ± 0.009 χ^2/NDF : 1648.9/24

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.170 ± 0.009 χ^2/NDF : 2636.4/29

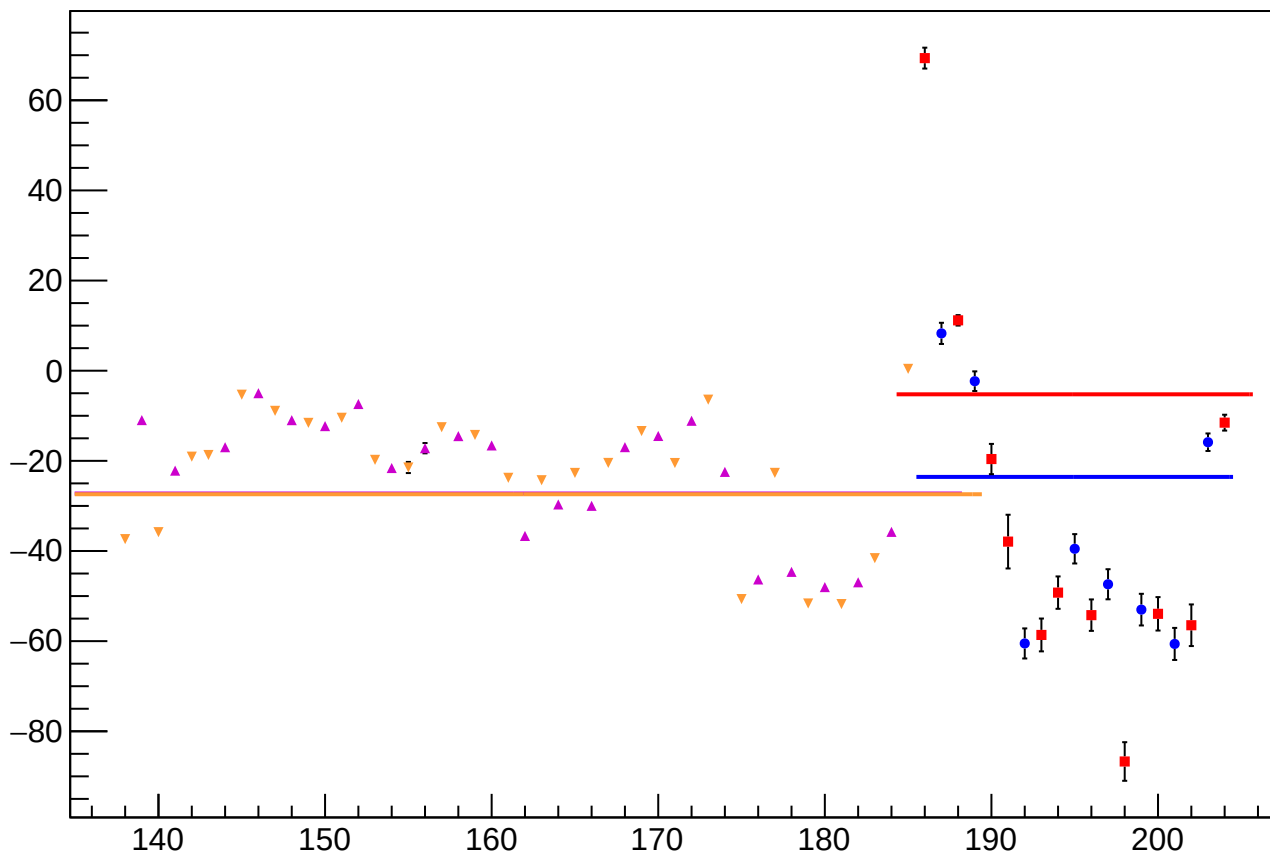
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.136 ± 0.003 χ^2/NDF : 4268.1/49

All: 0.137 ± 0.002 χ^2/NDF : 10532.1/102

- sign 0.139 ± 0.003 χ^2/NDF : 6263.7/52

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -23.562 ± 0.958 χ^2/NDF : 670.7/7

Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24

Right Out: -5.237 ± 0.750 χ^2/NDF : 2516.1/10

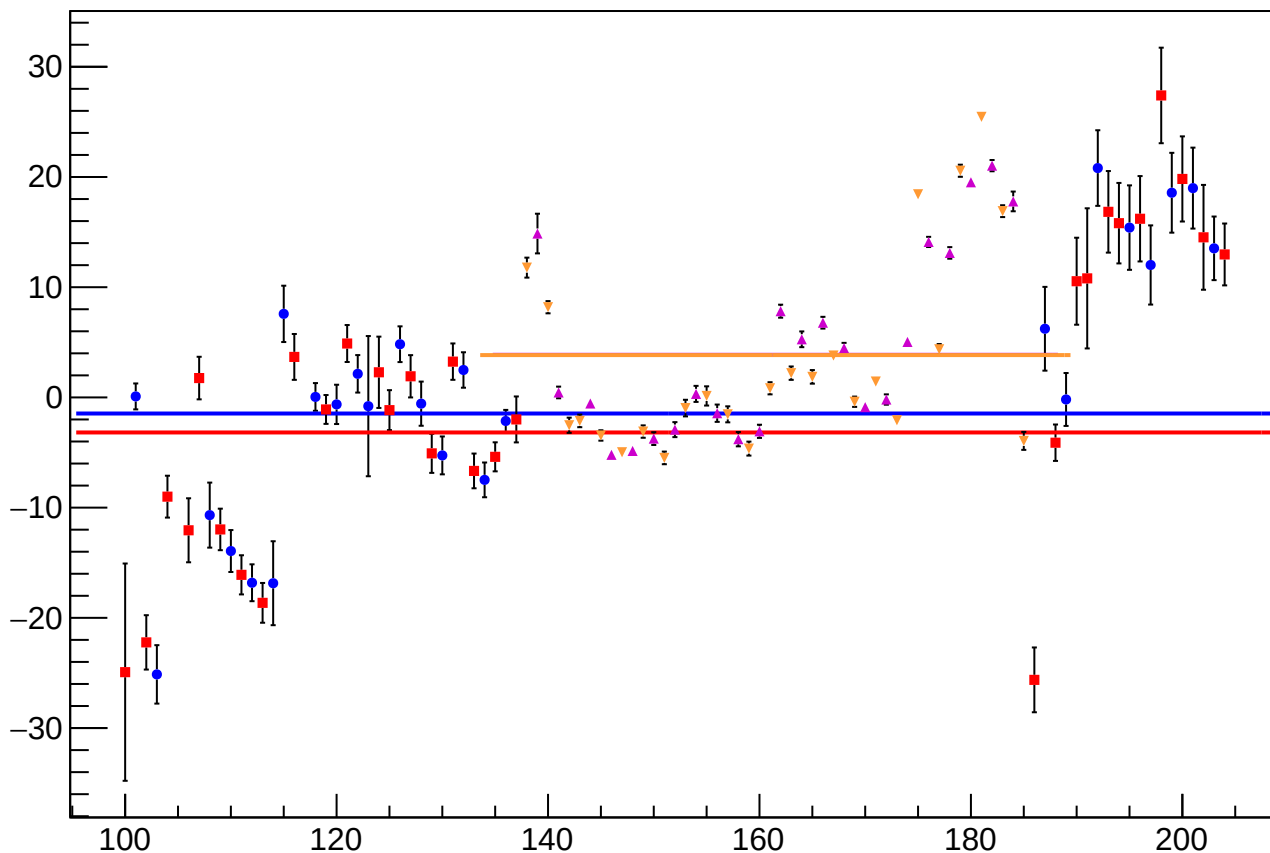
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -27.331 ± 0.135 χ^2/NDF : 15537.0/32

All: -26.925 ± 0.096 χ^2/NDF : 30208.2/66

- sign -26.509 ± 0.137 χ^2/NDF : 14653.0/33

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -1.460 ± 0.388 $\chi^2/\text{NDF}: 463.3/24$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -3.180 ± 0.390 $\chi^2/\text{NDF}: 599.0/29$

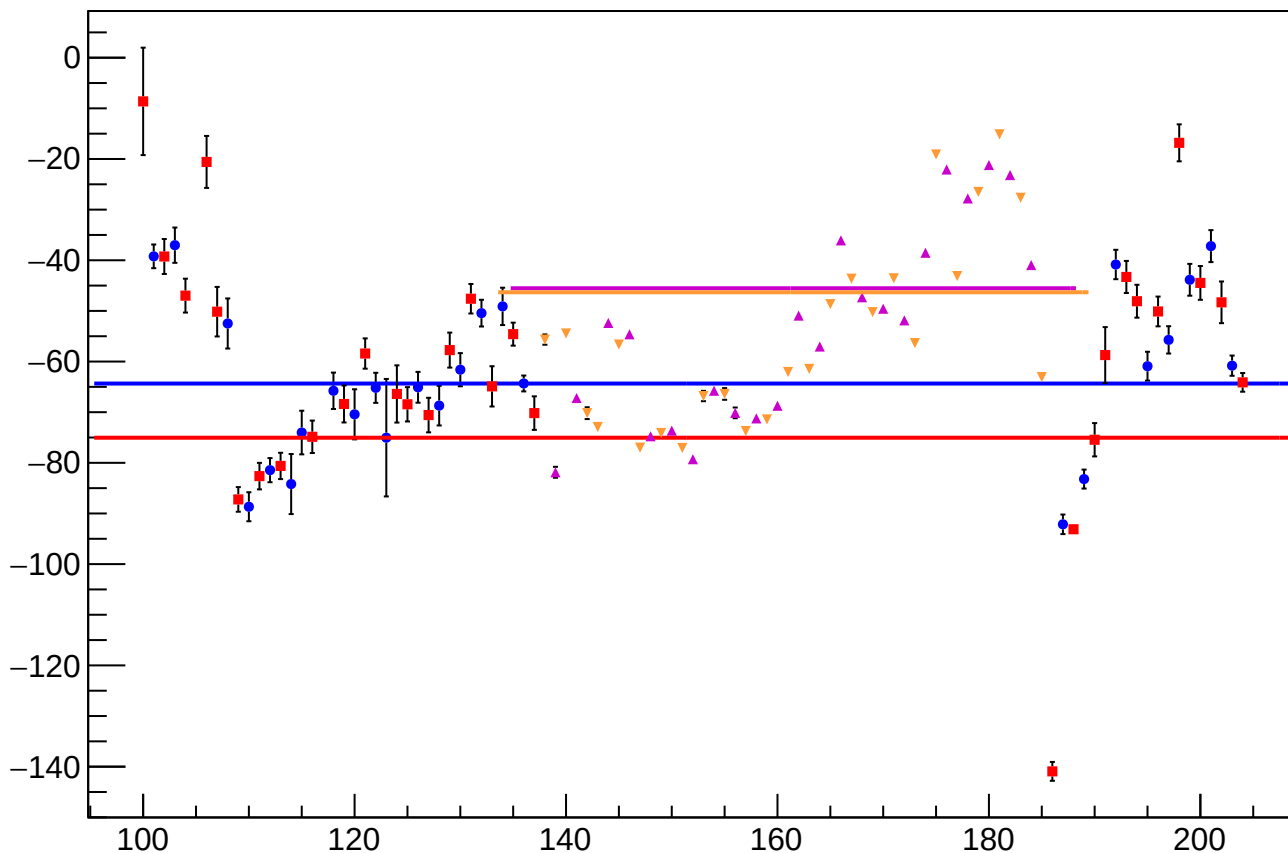
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.452 ± 0.105 $\chi^2/\text{NDF}: 7575.6/49$

All: 3.396 ± 0.075 $\chi^2/\text{NDF}: 13900.3/102$

- sign 3.337 ± 0.107 $\chi^2/\text{NDF}: 6324.2/52$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -64.344 ± 0.559 χ^2/NDF : 877.5/24

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -75.042 ± 0.491 χ^2/NDF : 2928.4/29

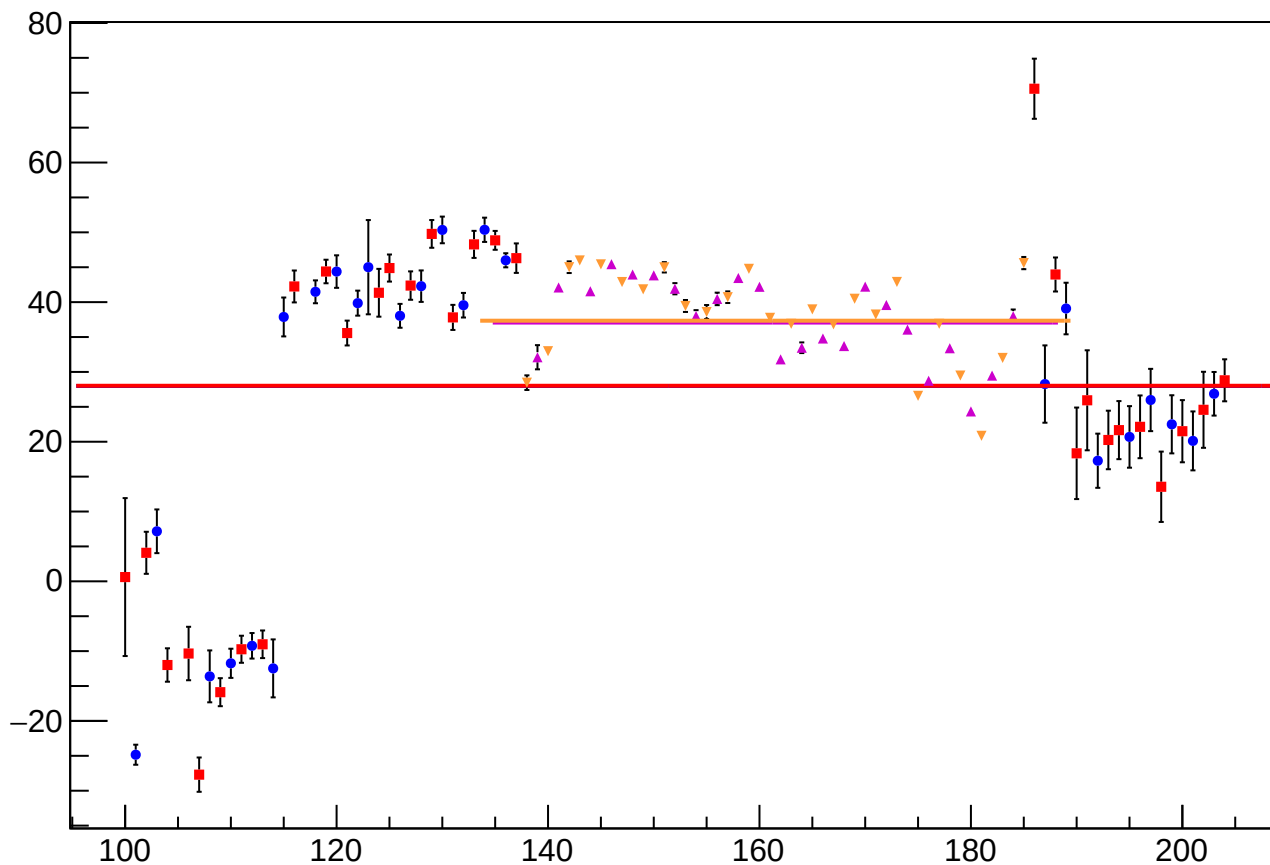
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -47.353 ± 0.134 χ^2/NDF : 21992.9/49

All: -47.542 ± 0.095 χ^2/NDF : 45792.2/102

- sign -47.732 ± 0.134 χ^2/NDF : 23795.3/52

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 27.984 $\pm$ 0.439 χ^2 /NDF: 3336.1/24

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.017 $\pm$ 0.447 χ^2 /NDF: 3194.1/29

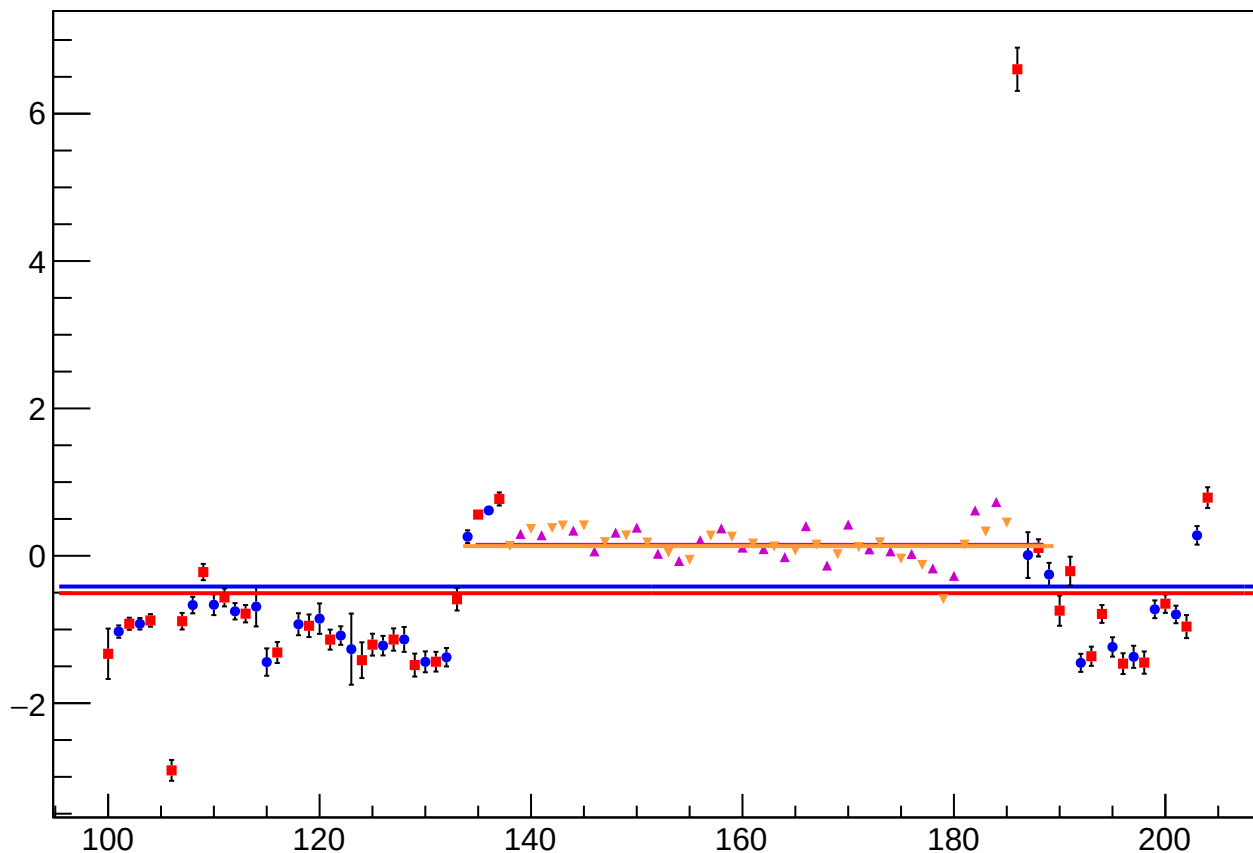
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.659 $\pm$ 0.118 χ^2 /NDF: 6907.1/49

All: 36.539 $\pm$ 0.084 χ^2 /NDF: 12881.7/102

- sign 36.414 $\pm$ 0.121 χ^2 /NDF: 5972.5/52

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.417 ± 0.022 χ^2/NDF : 1225.0/24

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.508 ± 0.022 χ^2/NDF : 2006.8/29

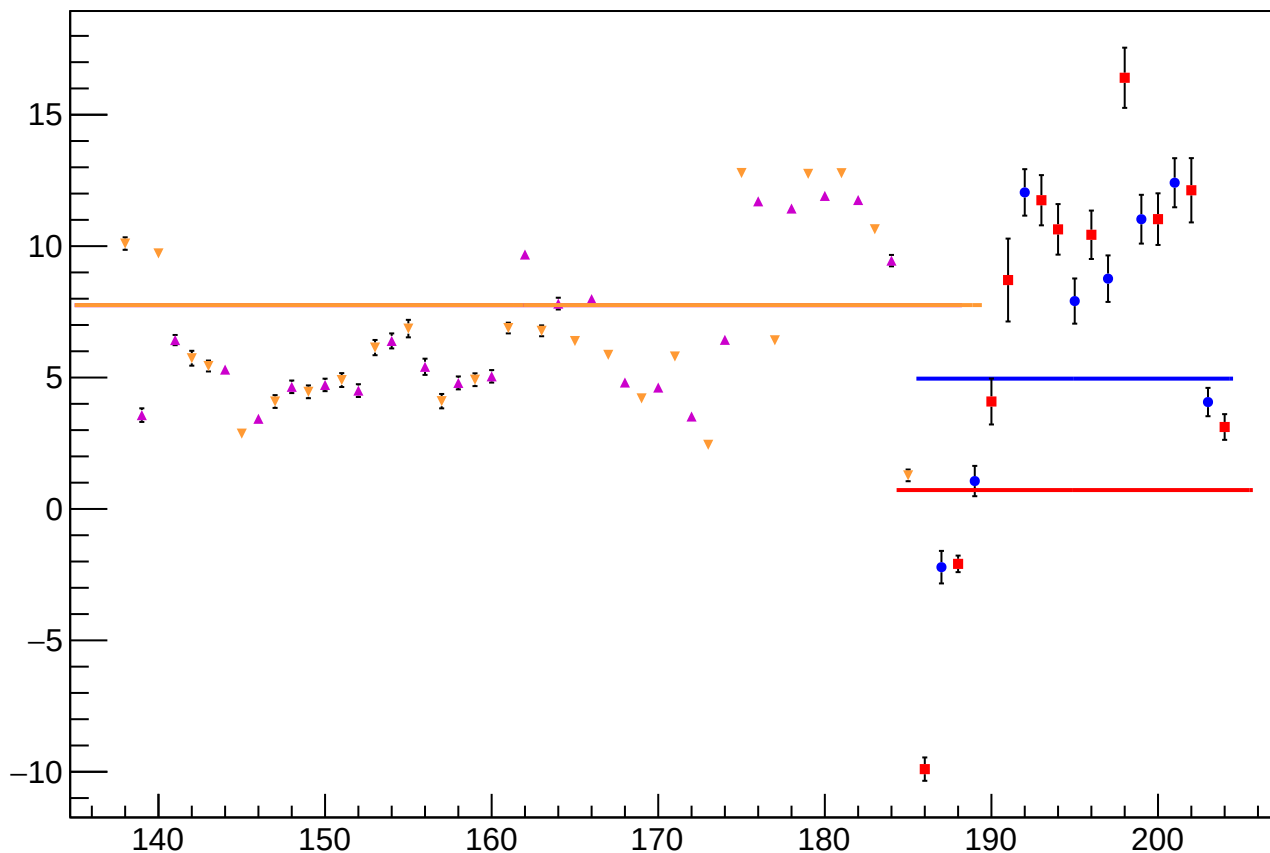
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.098 ± 0.005 χ^2/NDF : 3223.6/49

All: 0.103 ± 0.004 χ^2/NDF : 7850.0/102

- sign 0.108 ± 0.006 χ^2/NDF : 4624.9/52

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 4.959 ± 0.256 $\chi^2/\text{NDF}: 383.6/7$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: 0.719 ± 0.193 $\chi^2/\text{NDF}: 1451.1/10$

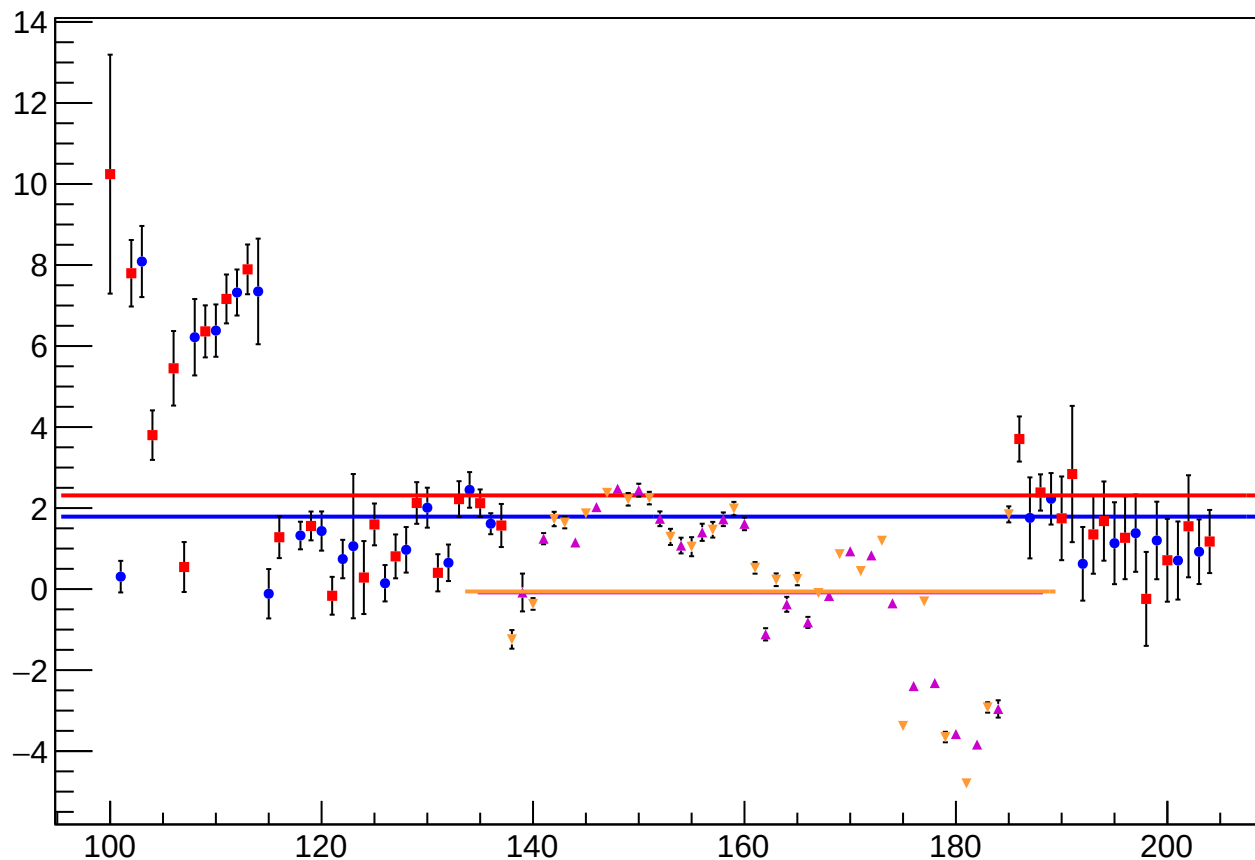
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.708 ± 0.034 $\chi^2/\text{NDF}: 12229.7/32$

All: 7.619 ± 0.024 $\chi^2/\text{NDF}: 23327.2/66$

- sign 7.528 ± 0.034 $\chi^2/\text{NDF}: 11083.7/33$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.789 ± 0.110 χ^2/NDF : 299.1/24

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.312 ± 0.110 χ^2/NDF : 354.7/29

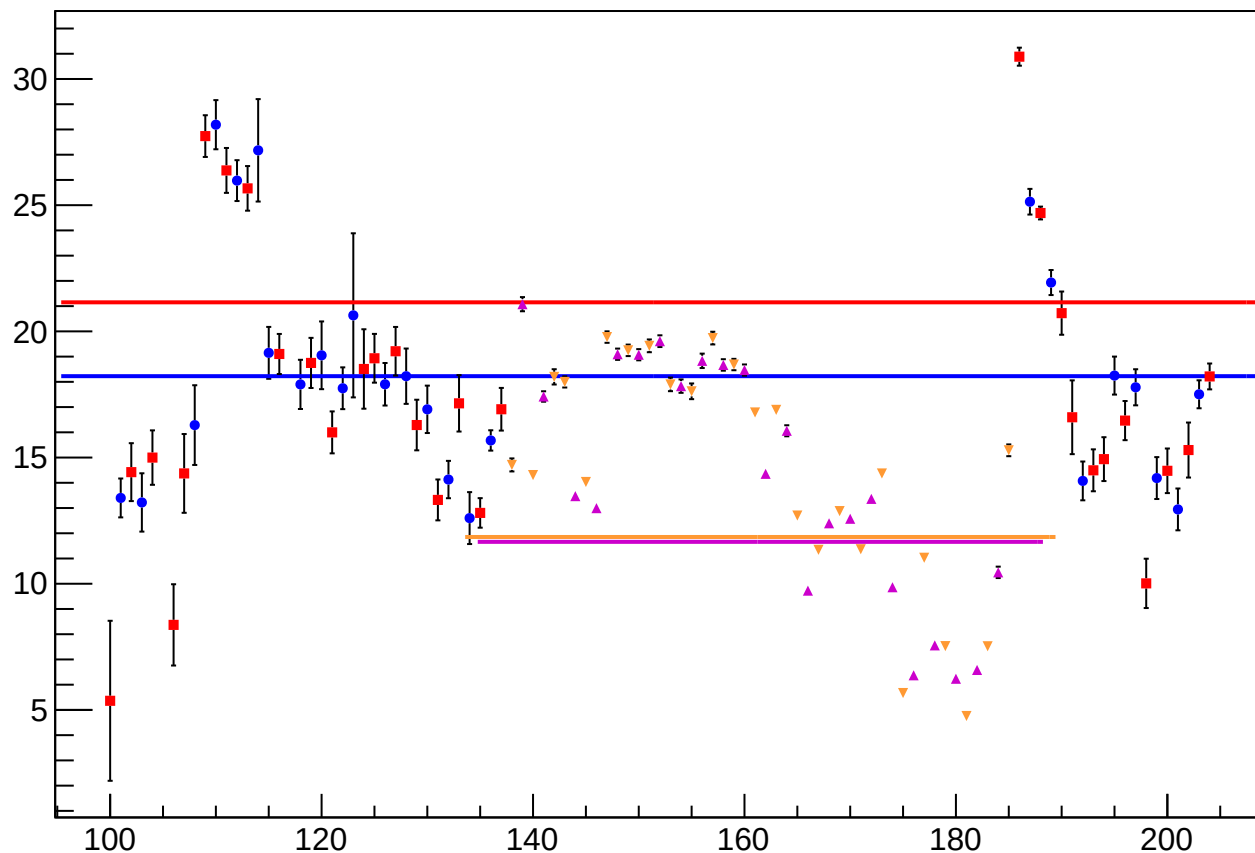
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.052 ± 0.027 χ^2/NDF : 6634.8/49

All: 0.060 ± 0.019 χ^2/NDF : 12414.5/102

- sign 0.068 ± 0.027 χ^2/NDF : 5779.5/52

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.225 ± 0.155 $\chi^2/\text{NDF}: 716.0/24$

Left Out: 11.853 ± 0.035 $\chi^2/\text{NDF}: 19149.4/24$

Right Out: 21.150 ± 0.132 $\chi^2/\text{NDF}: 2067.3/29$

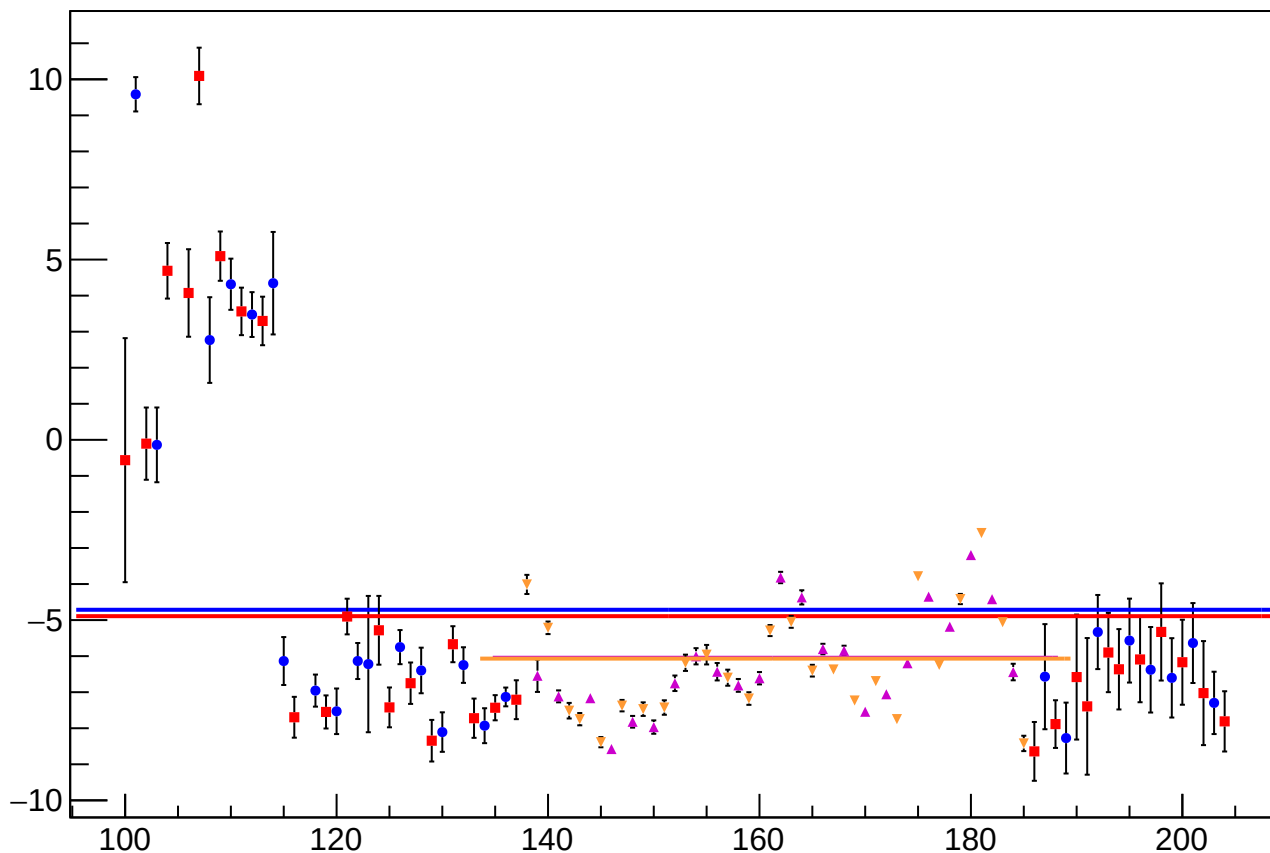
Left In: 11.660 ± 0.035 $\chi^2/\text{NDF}: 16710.2/22$

+ sign 12.156 ± 0.034 $\chi^2/\text{NDF}: 21473.0/49$

All: 12.223 ± 0.024 $\chi^2/\text{NDF}: 45083.4/102$

- sign 12.290 ± 0.034 $\chi^2/\text{NDF}: 23602.7/52$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.714 ± 0.124 χ^2/NDF : 1615.8/24

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.891 ± 0.126 χ^2/NDF : 1414.0/29

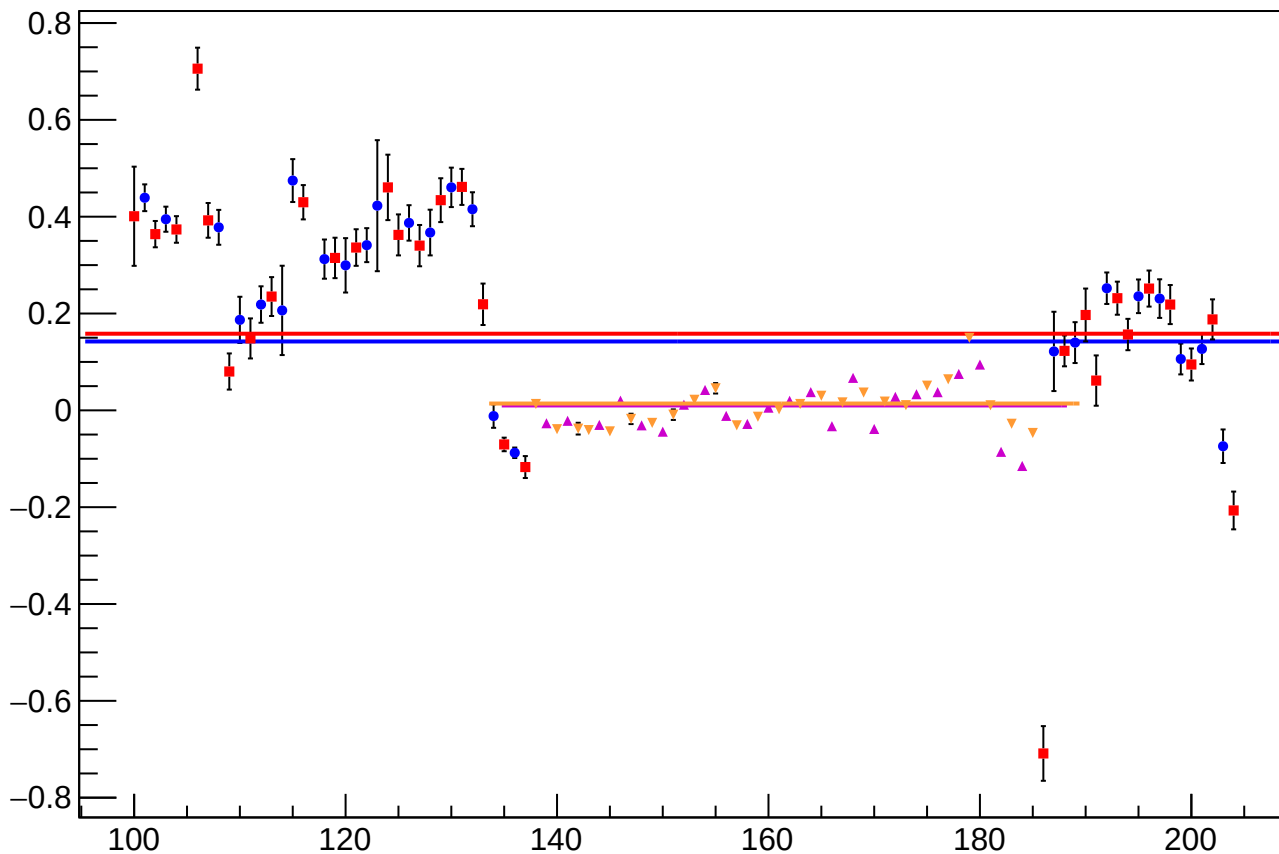
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.988 ± 0.030 χ^2/NDF : 4400.6/49

All: -5.982 ± 0.022 χ^2/NDF : 8187.3/102

- sign -5.976 ± 0.031 χ^2/NDF : 3786.7/52

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.006 χ^2 /NDF: 1121.9/24

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF: 956.2/24

Right Out: 0.158 $\pm$ 0.006 χ^2 /NDF: 1355.8/29

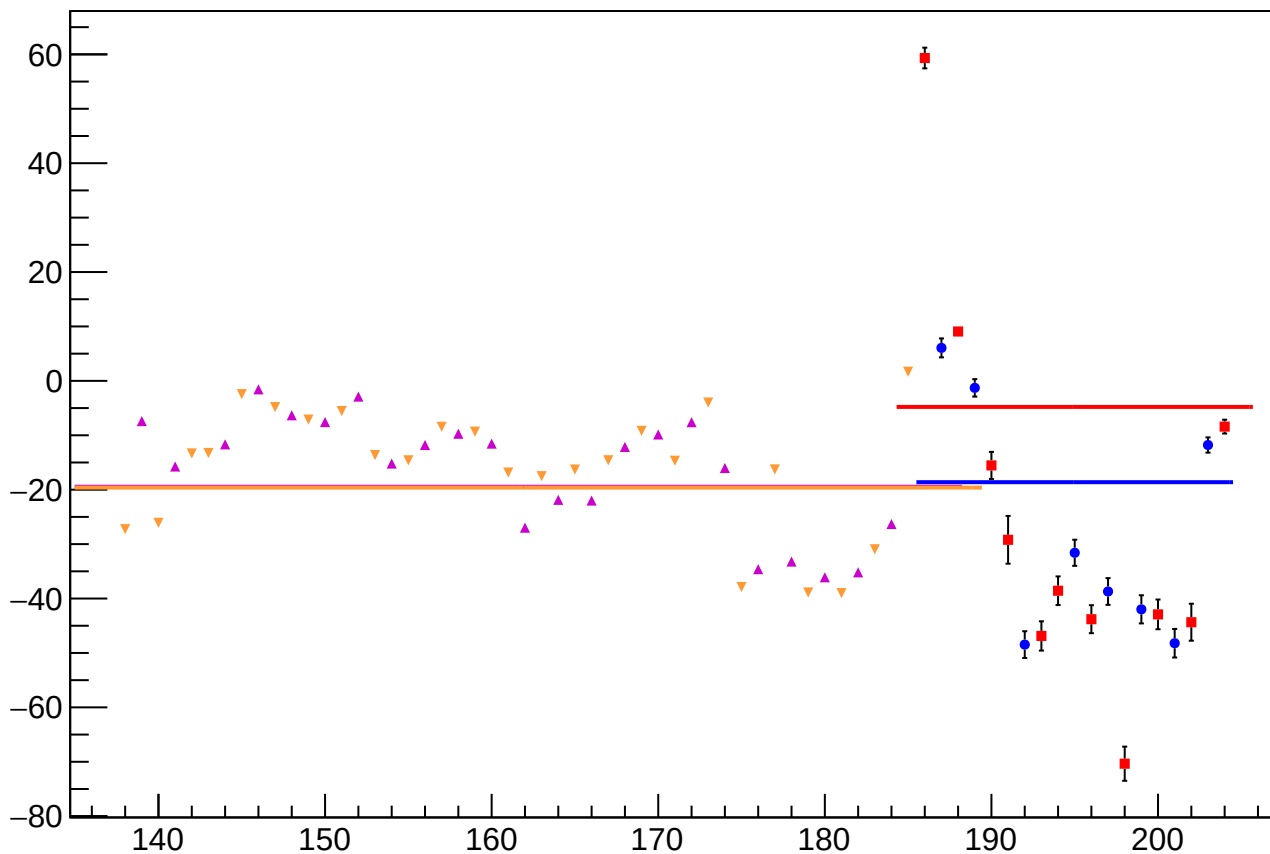
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.020 $\pm$ 0.001 χ^2 /NDF: 2483.1/49

All: 0.019 $\pm$ 0.001 χ^2 /NDF: 5588.2/102

- sign 0.018 $\pm$ 0.001 χ^2 /NDF: 3103.1/52

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -18.620 ± 0.703 χ^2/NDF : 793.5/7

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: -4.786 ± 0.554 χ^2/NDF : 2868.8/10

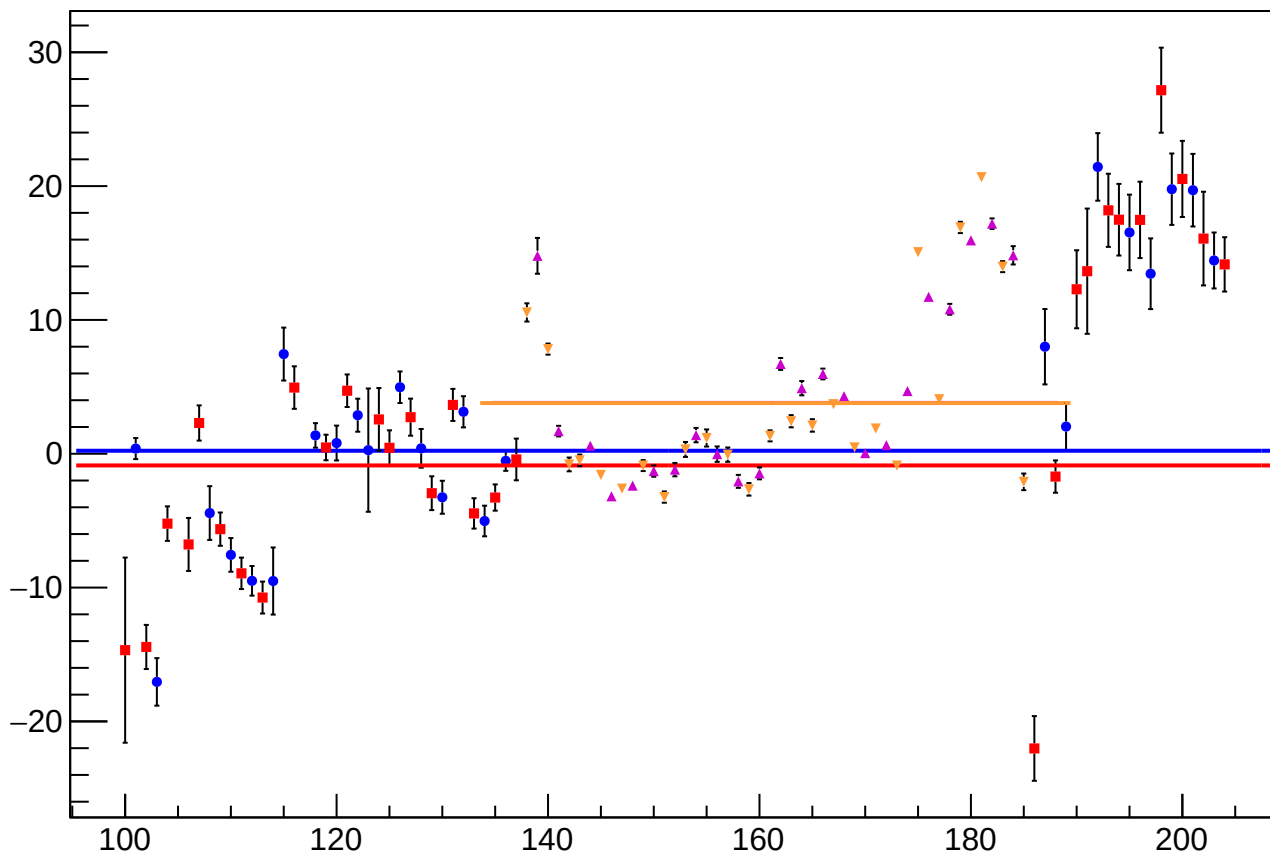
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -19.591 ± 0.102 χ^2/NDF : 16556.8/32

All: -19.270 ± 0.073 χ^2/NDF : 32404.1/66

- sign -18.942 ± 0.103 χ^2/NDF : 15827.3/33

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.224 ± 0.277 χ^2/NDF : 592.0/24

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -0.873 ± 0.279 χ^2/NDF : 764.2/29

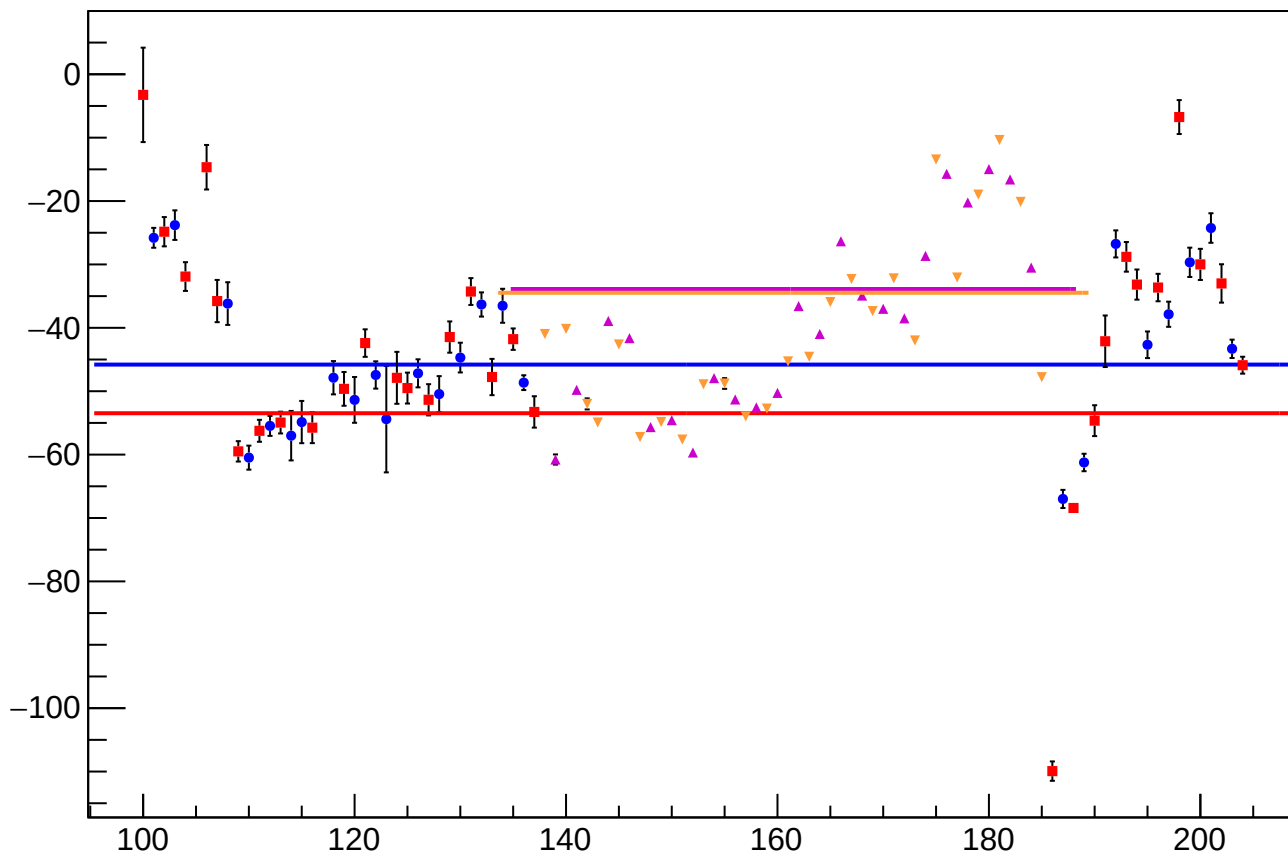
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.500 ± 0.079 χ^2/NDF : 7894.7/49

All: 3.458 ± 0.056 χ^2/NDF : 14434.2/102

- sign 3.413 ± 0.080 χ^2/NDF : 6539.0/52

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -45.798 ± 0.402 χ^2/NDF : 1003.1/24

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -53.471 ± 0.356 χ^2/NDF : 3242.0/29

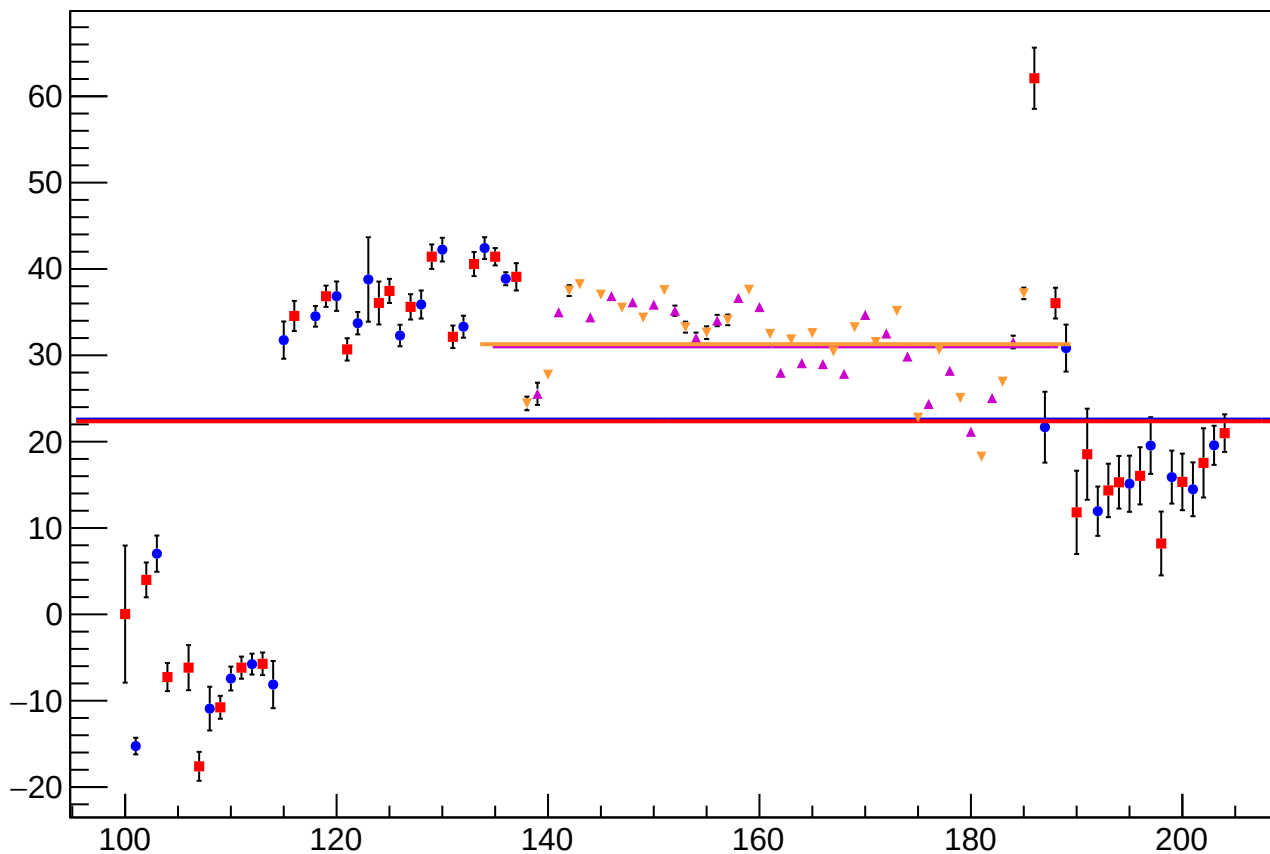
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.181 ± 0.101 χ^2/NDF : 21943.8/49

All: -35.317 ± 0.071 χ^2/NDF : 45620.5/102

- sign -35.454 ± 0.101 χ^2/NDF : 23673.1/52

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.557+/-0.314 χ^2/NDF : 4360.7/24

Left Out: 31.286+/-0.092 χ^2/NDF : 3345.7/24

Right Out: 22.361+/-0.319 χ^2/NDF : 4257.5/29

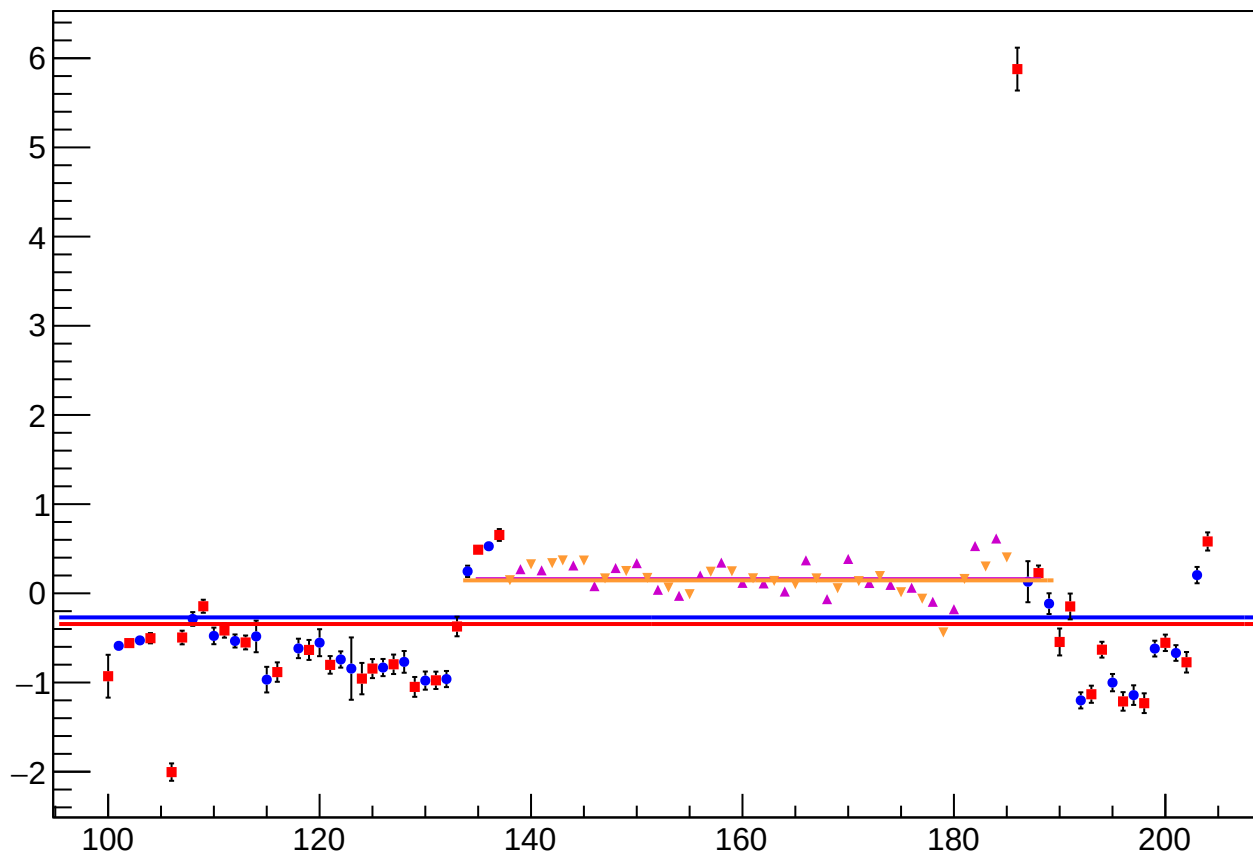
Left In: 31.039+/-0.094 χ^2/NDF : 2480.0/22

+ sign 30.589+/-0.089 χ^2/NDF : 8419.5/49

All: 30.468+/-0.063 χ^2/NDF : 15842.2/102

- sign 30.342+/-0.090 χ^2/NDF : 7419.0/52

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.270 ± 0.016 χ^2/NDF : 1314.4/24

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.344 ± 0.016 χ^2/NDF : 2207.6/29

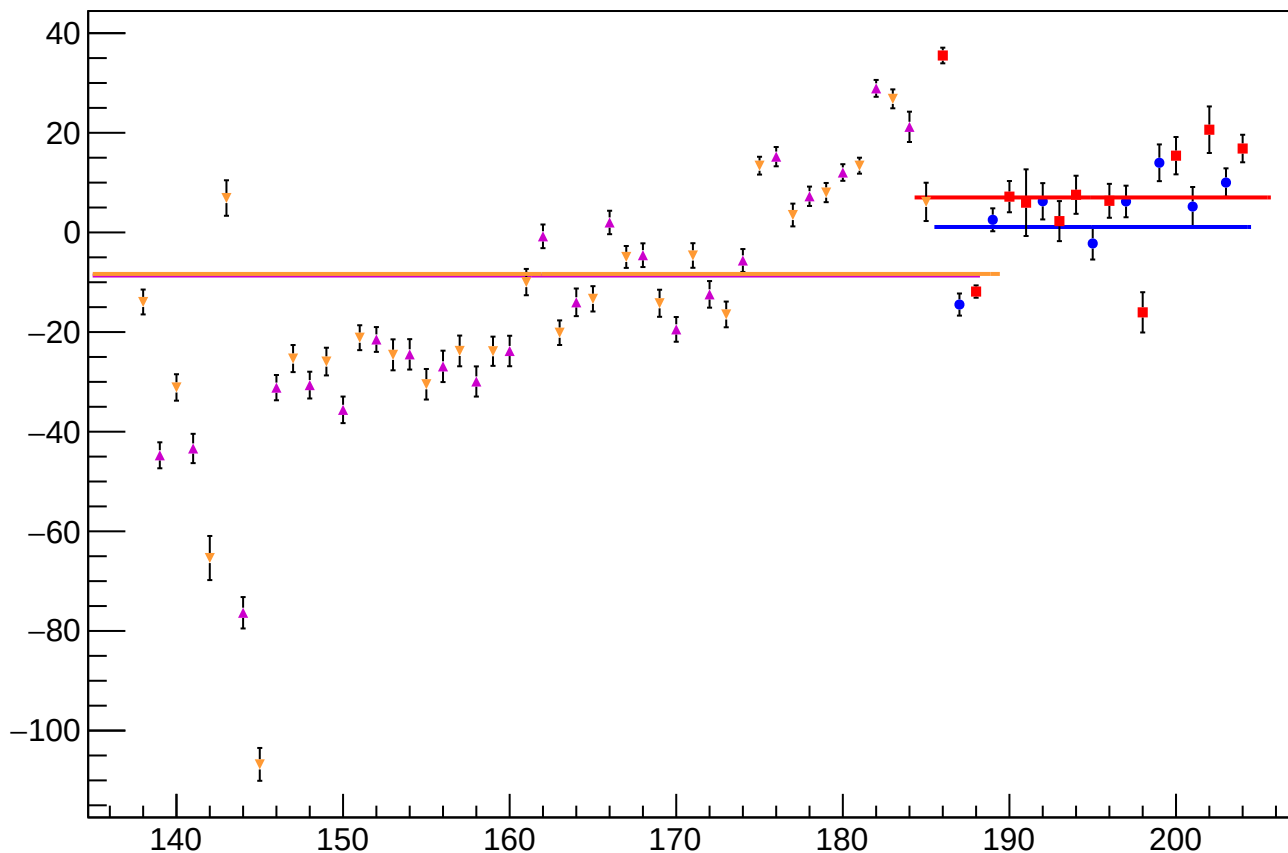
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.118 ± 0.004 χ^2/NDF : 3528.7/49

All: 0.121 ± 0.003 χ^2/NDF : 8680.8/102

- sign 0.124 ± 0.004 χ^2/NDF : 5150.9/52

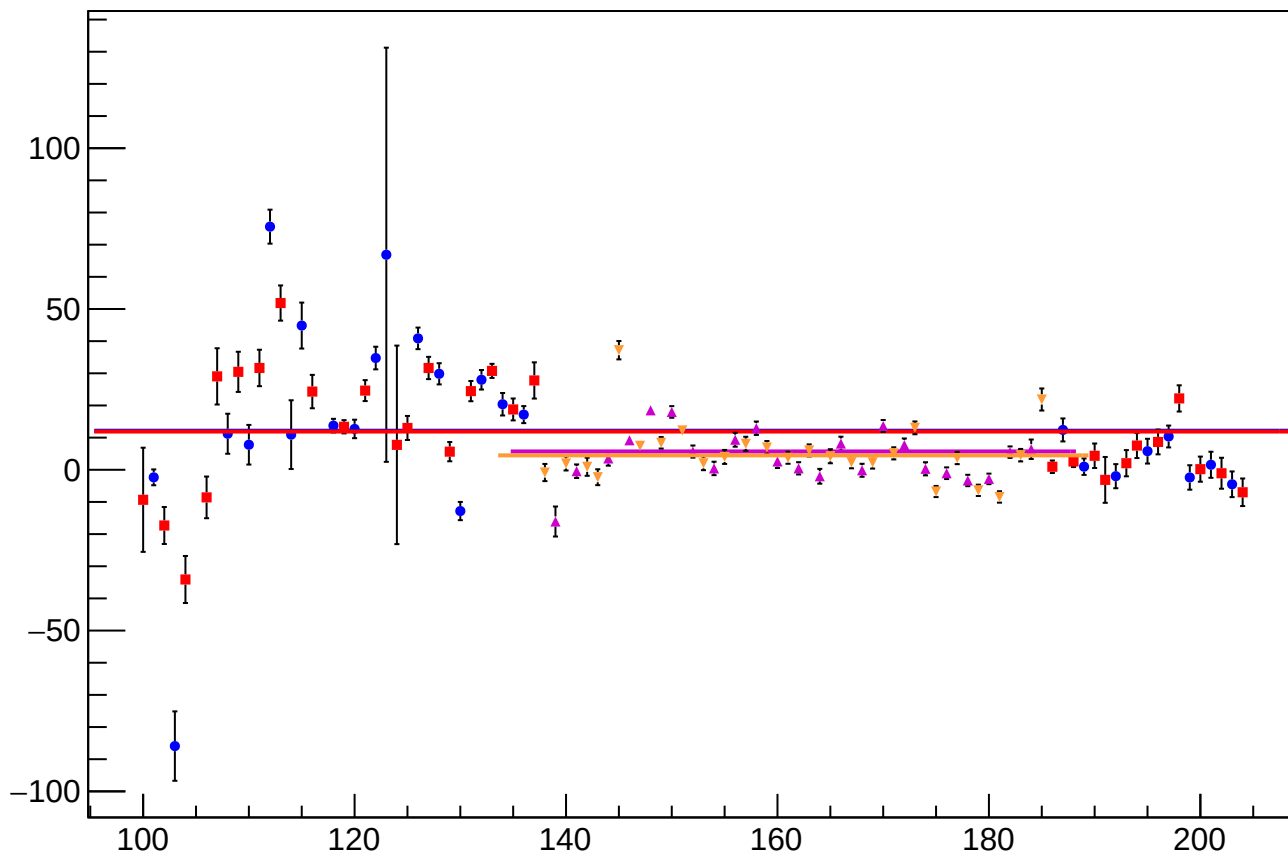
reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 1.092 ± 1.040 $\chi^2/\text{NDF}: 78.3/7$
 Left Out: -8.332 ± 0.500 $\chi^2/\text{NDF}: 2226.2/24$
 Right Out: 7.021 ± 0.766 $\chi^2/\text{NDF}: 621.6/10$
 Left In: -8.652 ± 0.507 $\chi^2/\text{NDF}: 2223.8/22$

+ sign -6.566 ± 0.450 $\chi^2/\text{NDF}: 2371.2/32$
 All: -5.134 ± 0.308 $\chi^2/\text{NDF}: 5527.0/66$
 - sign -3.871 ± 0.423 $\chi^2/\text{NDF}: 3136.7/33$

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 12.145 ± 0.707 χ^2/NDF : 616.4/24

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 11.892 ± 0.653 χ^2/NDF : 434.7/29

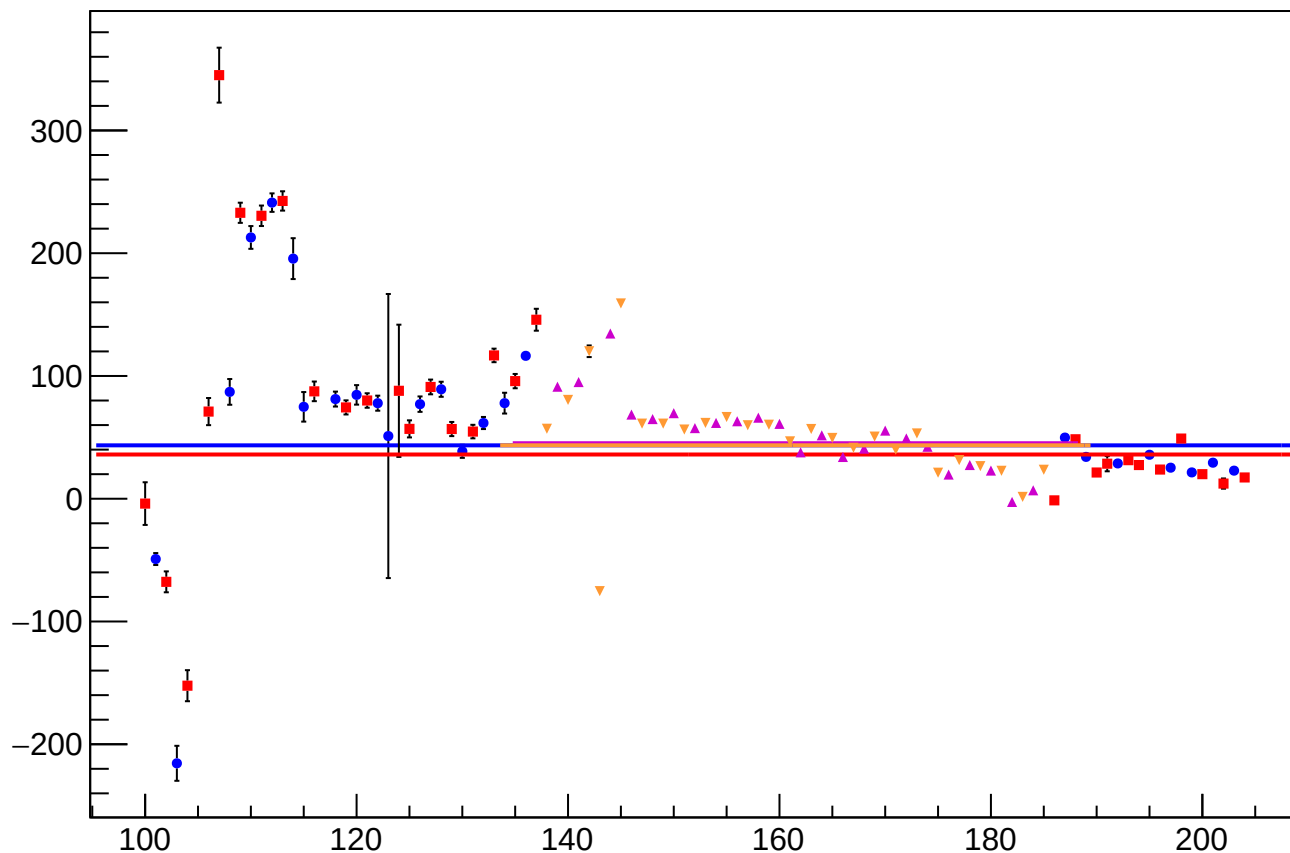
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 6.287 ± 0.343 χ^2/NDF : 1078.0/49

All: 6.851 ± 0.243 χ^2/NDF : 1907.2/102

- sign 7.418 ± 0.344 χ^2/NDF : 823.7/52

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 43.492+/-0.788 χ^2 /NDF: 2582.8/24

Left Out: 43.524+/-0.498 χ^2 /NDF: 3830.7/24

Right Out: 36.029+/-0.603 χ^2 /NDF: 4313.2/29

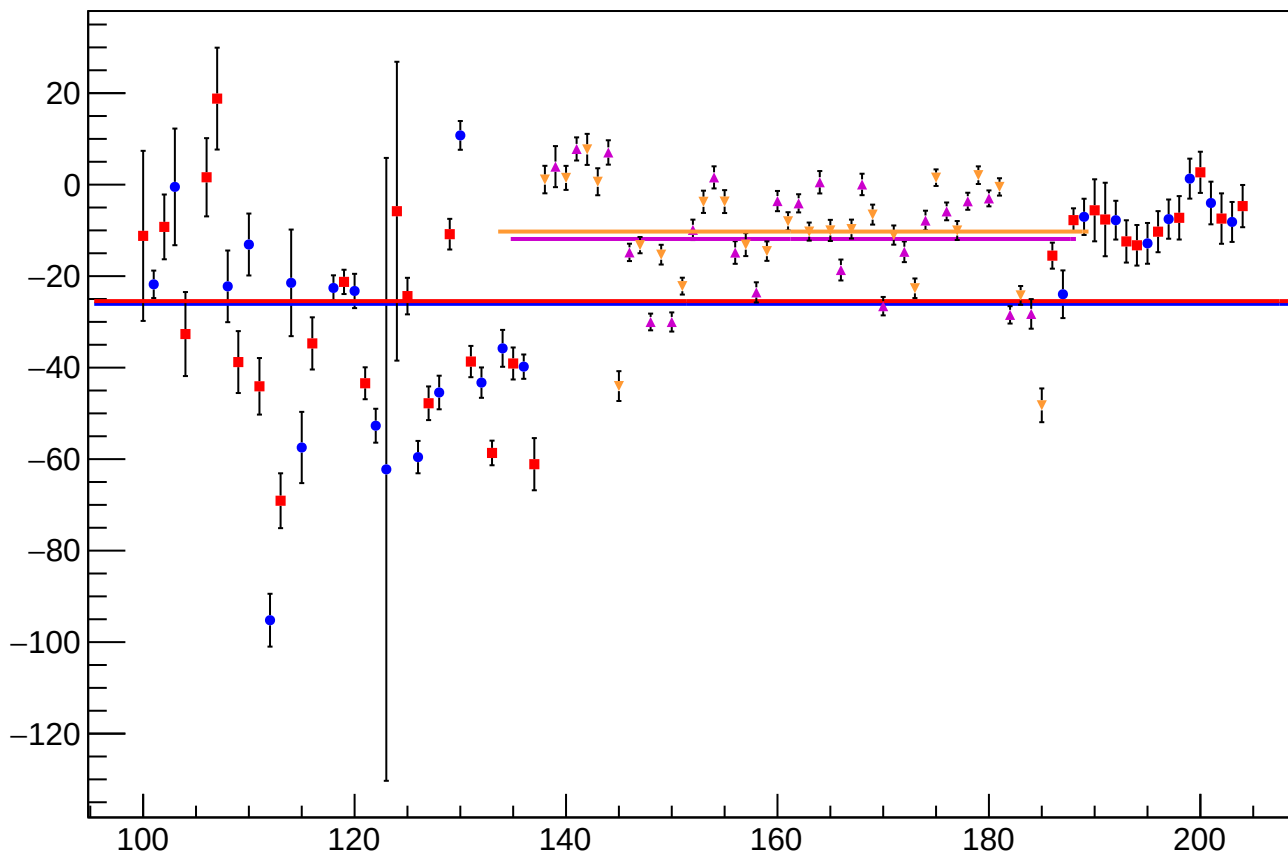
Left In: 45.211+/-0.504 χ^2 /NDF: 3048.5/22

+ sign 43.515+/-0.421 χ^2 /NDF: 6413.4/49

All: 42.385+/-0.285 χ^2 /NDF: 13924.9/102

- sign 41.431+/-0.387 χ^2 /NDF: 7498.2/52

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -26.054 ± 0.832 χ^2/NDF : 685.6/24

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -25.457 ± 0.795 χ^2/NDF : 591.9/29

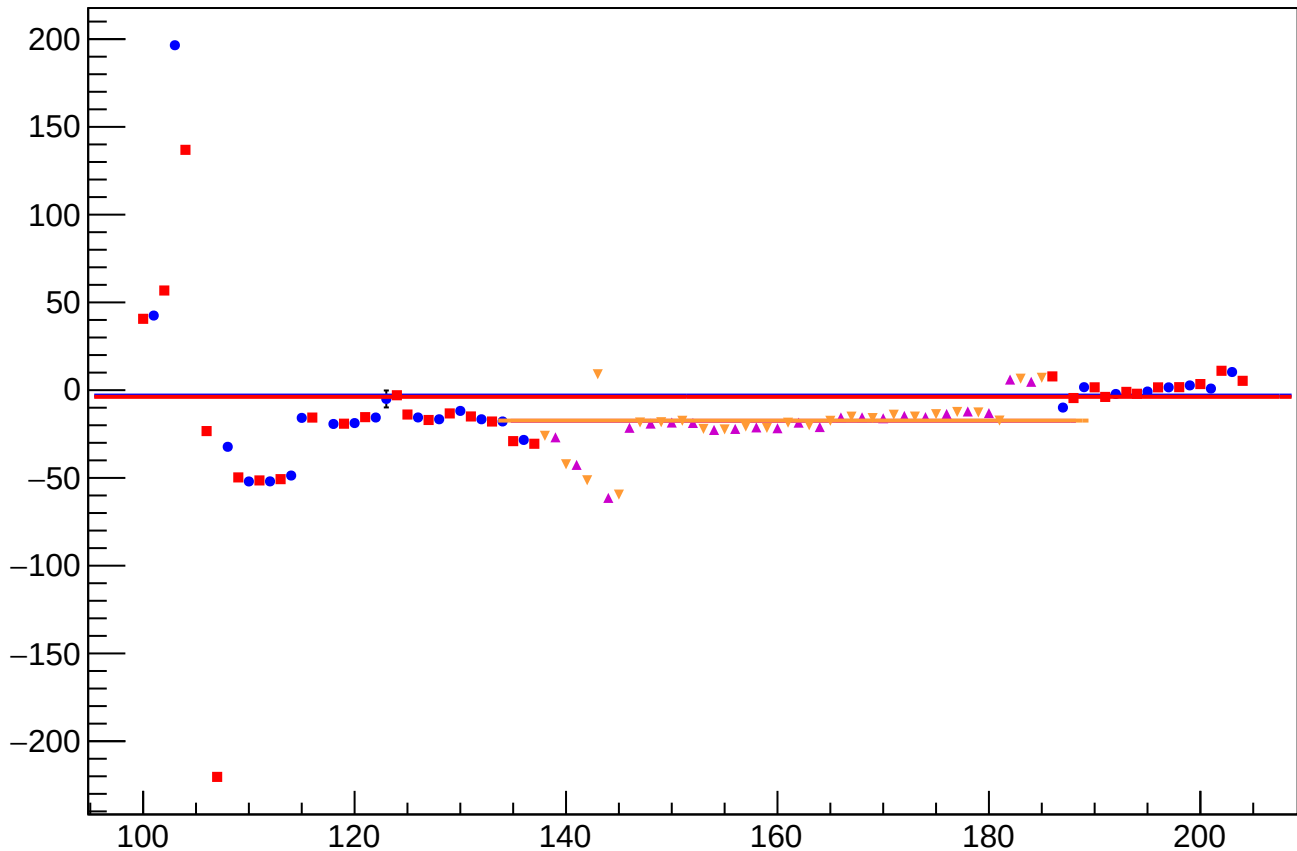
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.763 ± 0.392 χ^2/NDF : 1518.7/49

All: -14.493 ± 0.278 χ^2/NDF : 3003.3/102

- sign -15.238 ± 0.396 χ^2/NDF : 1477.6/52

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -3.087 ± 0.039 χ^2/NDF : 597061.6/24

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -3.804 ± 0.037 χ^2/NDF : 602313.4/29

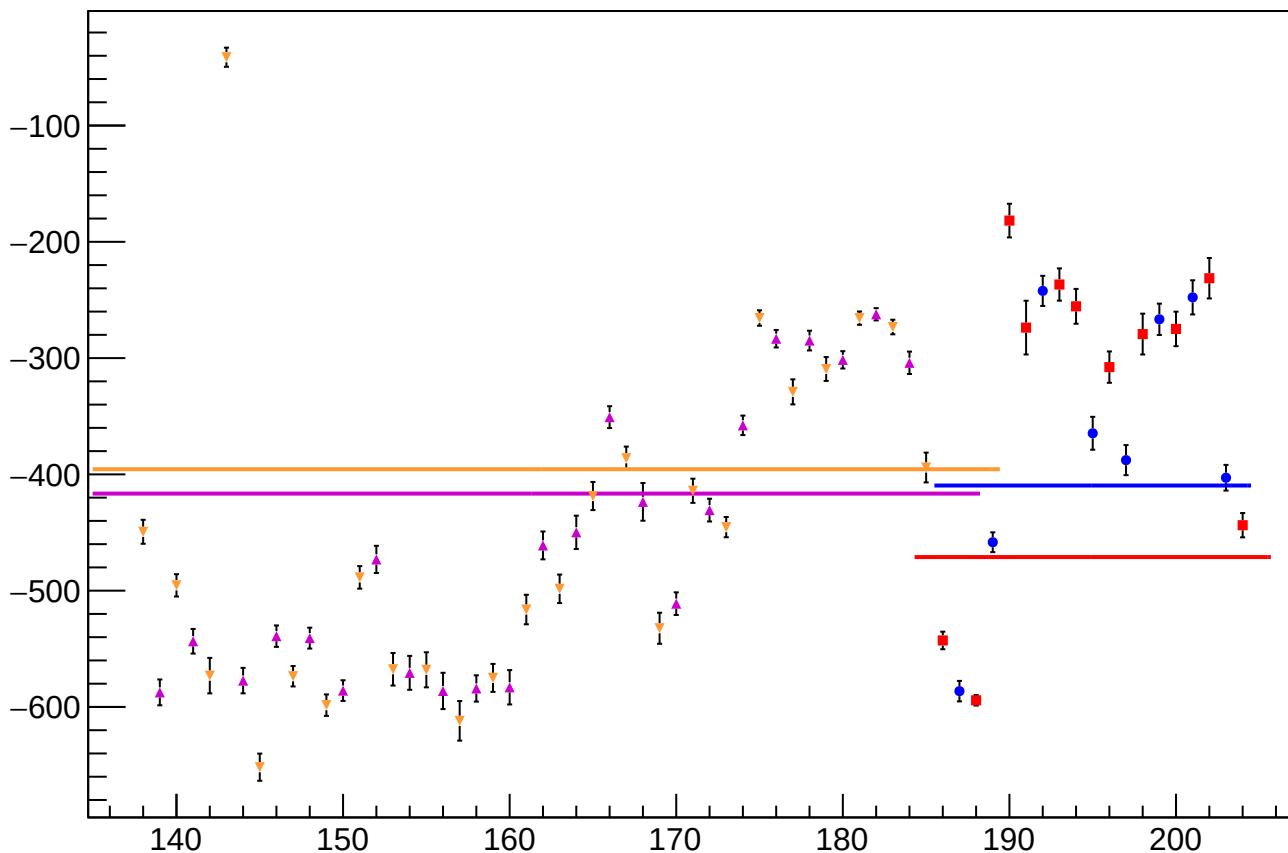
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -14.319 ± 0.018 χ^2/NDF : 1025431.6/49

All: -14.292 ± 0.013 χ^2/NDF : 1990228.3/102

- sign -14.266 ± 0.018 χ^2/NDF : 964792.4/52

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -409.574 ± 4.019 $\chi^2/\text{NDF}: 849.3/7$

Left Out: -395.547 ± 1.953 $\chi^2/\text{NDF}: 5946.5/24$

Right Out: -471.100 ± 3.025 $\chi^2/\text{NDF}: 2447.4/10$

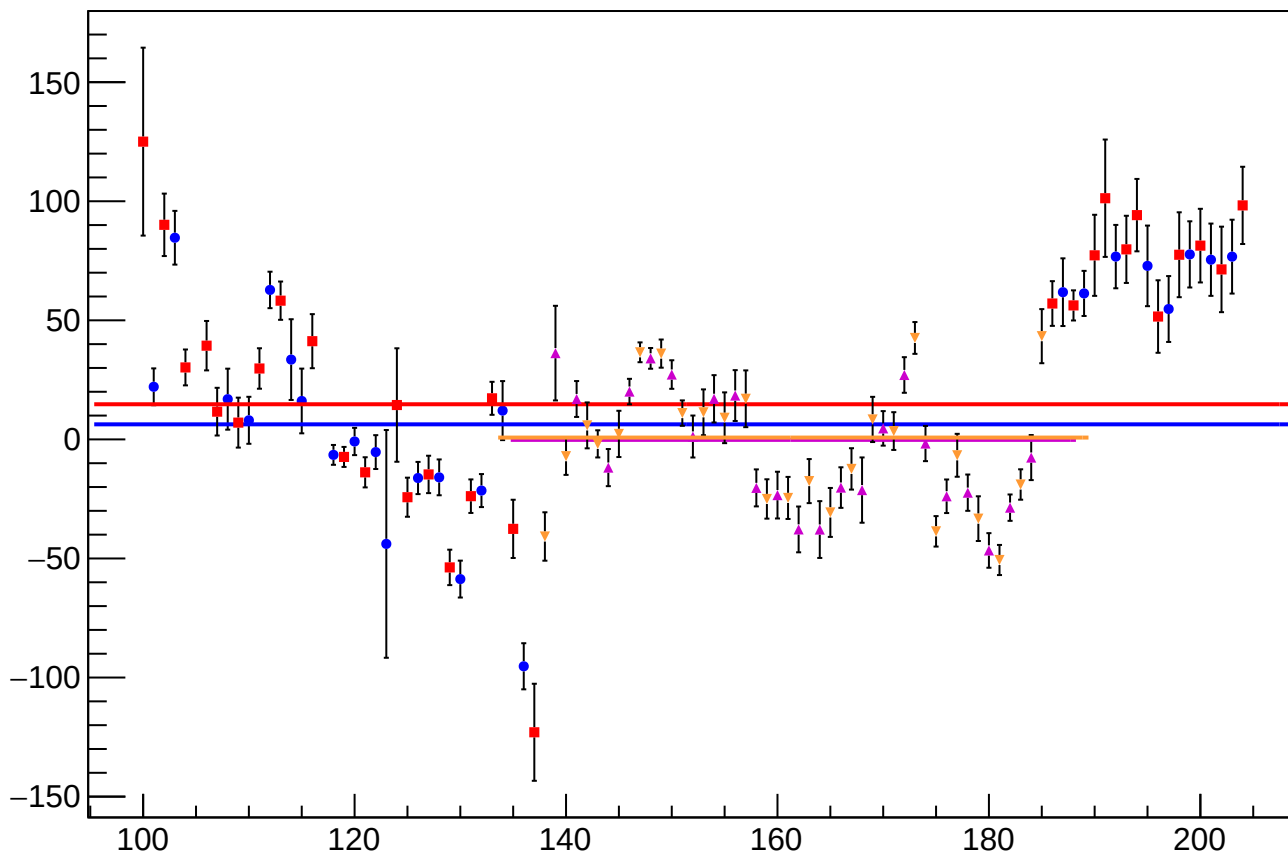
Left In: -416.521 ± 2.005 $\chi^2/\text{NDF}: 3917.0/22$

+ sign -398.227 ± 1.757 $\chi^2/\text{NDF}: 6805.7/32$

All: -416.577 ± 1.211 $\chi^2/\text{NDF}: 13604.0/66$

- sign -433.177 ± 1.671 $\chi^2/\text{NDF}: 6590.6/33$

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 6.324 ± 1.786 $\chi^2/\text{NDF}: 514.5/24$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 14.756 ± 1.711 $\chi^2/\text{NDF}: 563.9/29$

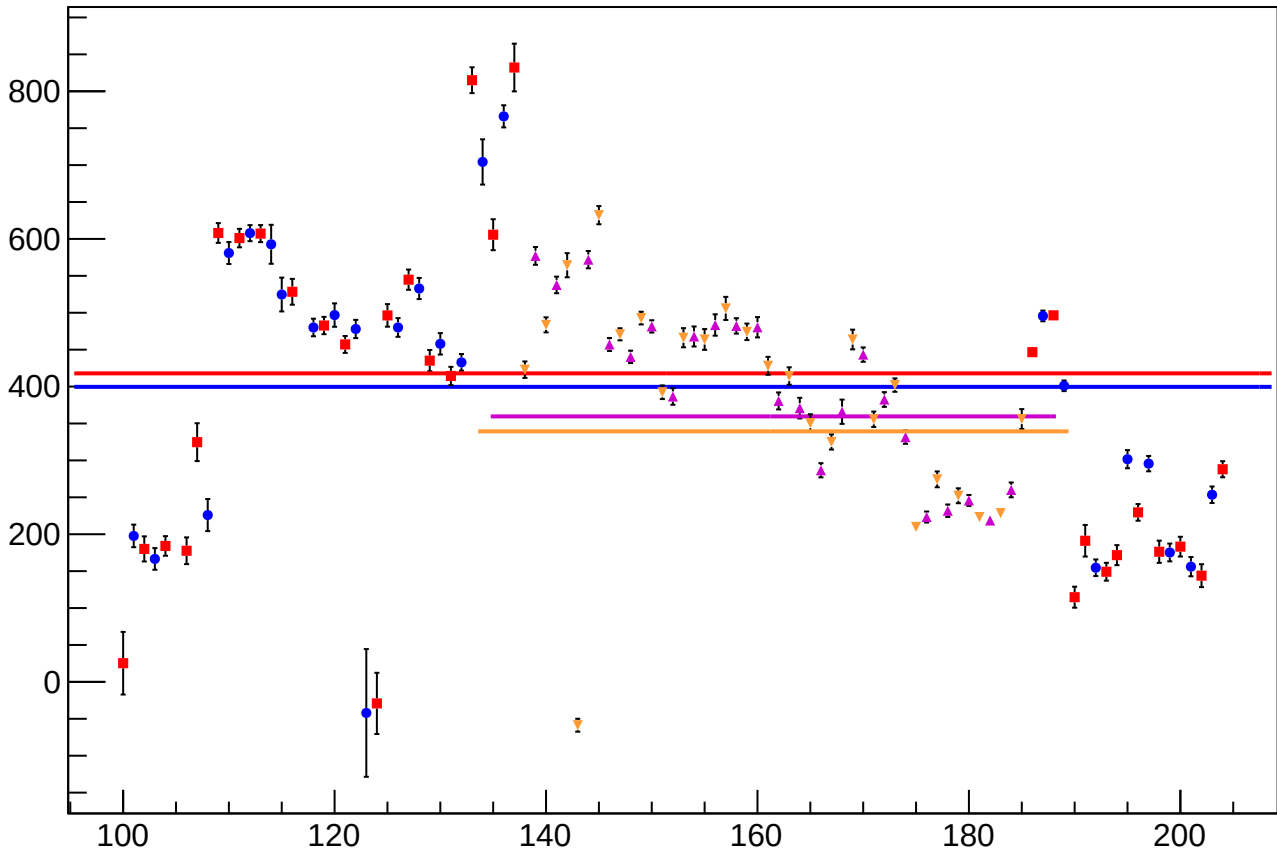
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 3.070 ± 1.150 $\chi^2/\text{NDF}: 870.2/49$

All: 4.850 ± 0.816 $\chi^2/\text{NDF}: 1741.2/102$

- sign 6.658 ± 1.159 $\chi^2/\text{NDF}: 866.1/52$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 399.626 ± 2.524 $\chi^2/\text{NDF}: 3763.7/24$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 417.895 ± 2.068 $\chi^2/\text{NDF}: 5724.5/29$

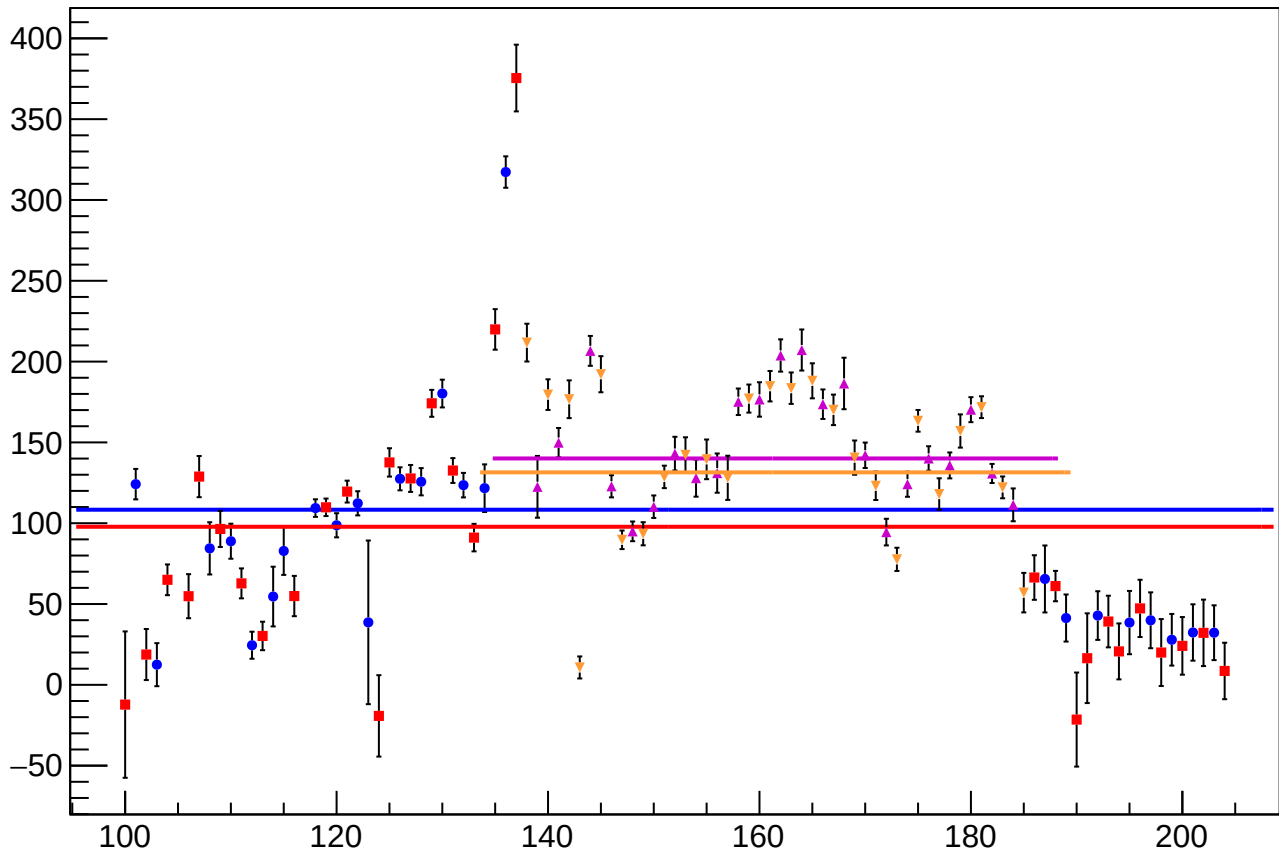
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 362.071 ± 1.549 $\chi^2/\text{NDF}: 9621.7/49$

All: 375.899 ± 1.054 $\chi^2/\text{NDF}: 19303.1/102$

- sign 387.821 ± 1.439 $\chi^2/\text{NDF}: 9533.1/52$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 108.354 ± 2.089 $\chi^2/\text{NDF}: 861.2/24$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 97.807 ± 2.018 $\chi^2/\text{NDF}: 749.6/29$

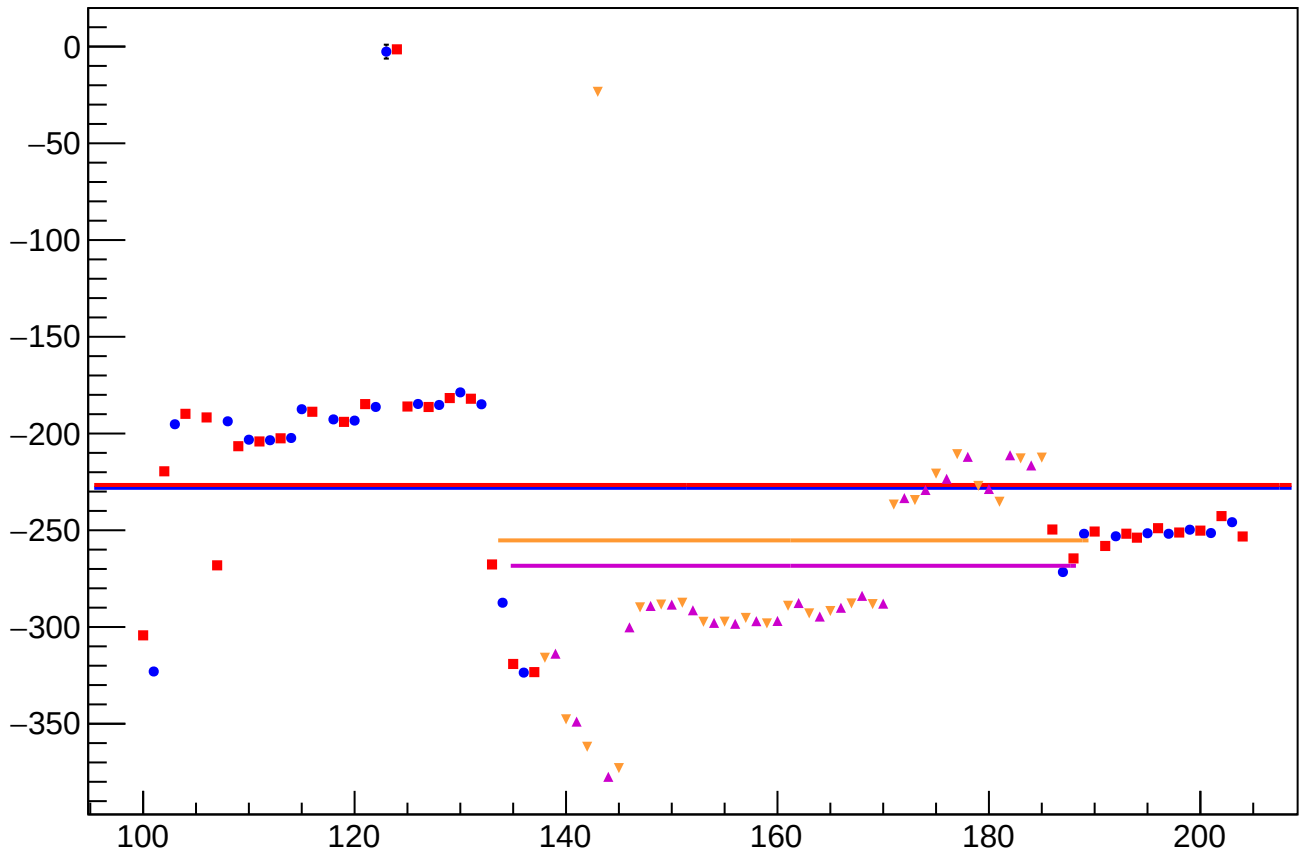
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 122.079 ± 1.331 $\chi^2/\text{NDF}: 1743.2/49$

All: 121.744 ± 0.945 $\chi^2/\text{NDF}: 3054.2/102$

- sign 121.403 ± 1.341 $\chi^2/\text{NDF}: 1310.9/52$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -228.049 ± 0.113 $\chi^2/\text{NDF}: 166745.2/24$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -226.583 ± 0.106 $\chi^2/\text{NDF}: 149153.1/29$

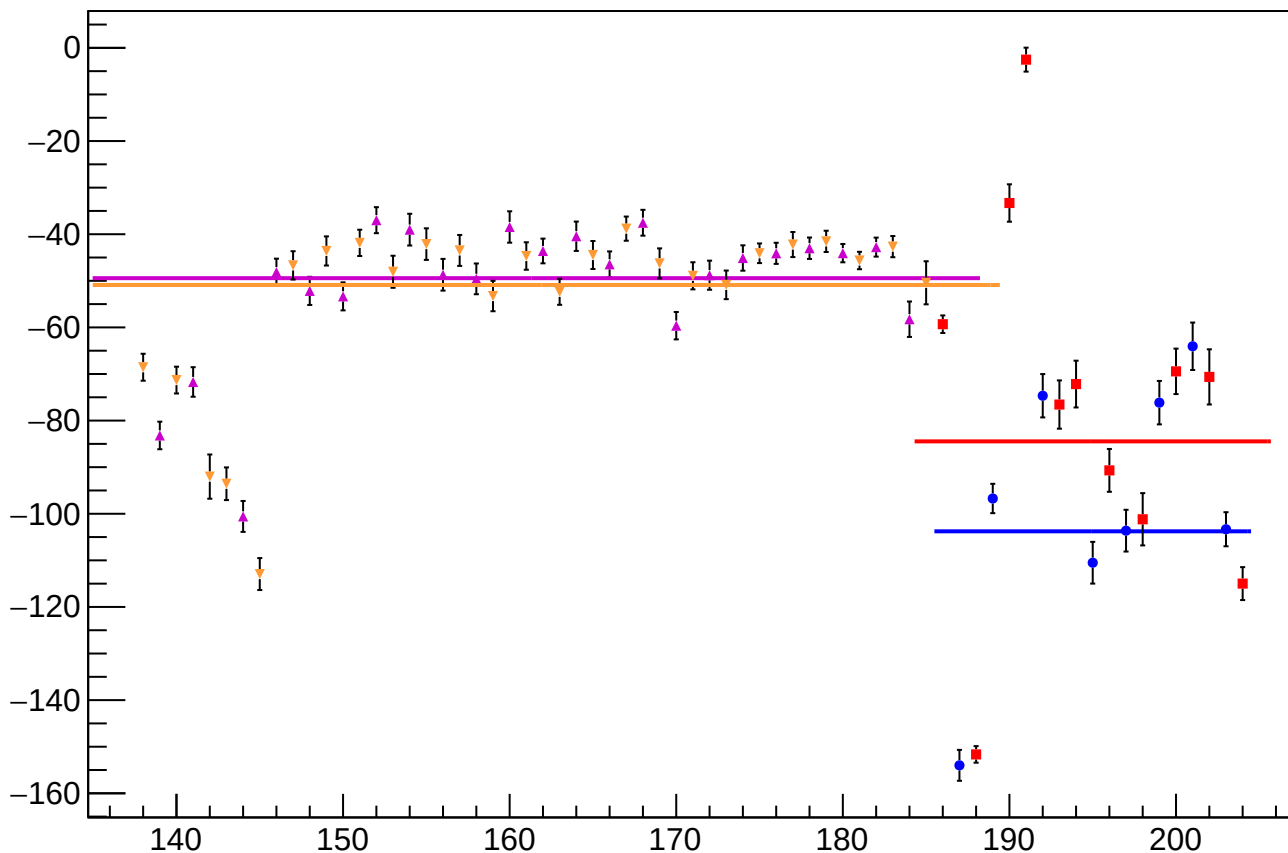
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.873 ± 0.066 $\chi^2/\text{NDF}: 932632.6/49$

All: -249.097 ± 0.047 $\chi^2/\text{NDF}: 1445171.0/10$

- sign -252.240 ± 0.066 $\chi^2/\text{NDF}: 507878.8/52$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -103.768 ± 1.419 χ^2/NDF : 371.5/7

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -84.462 ± 0.946 χ^2/NDF : 2890.8/10

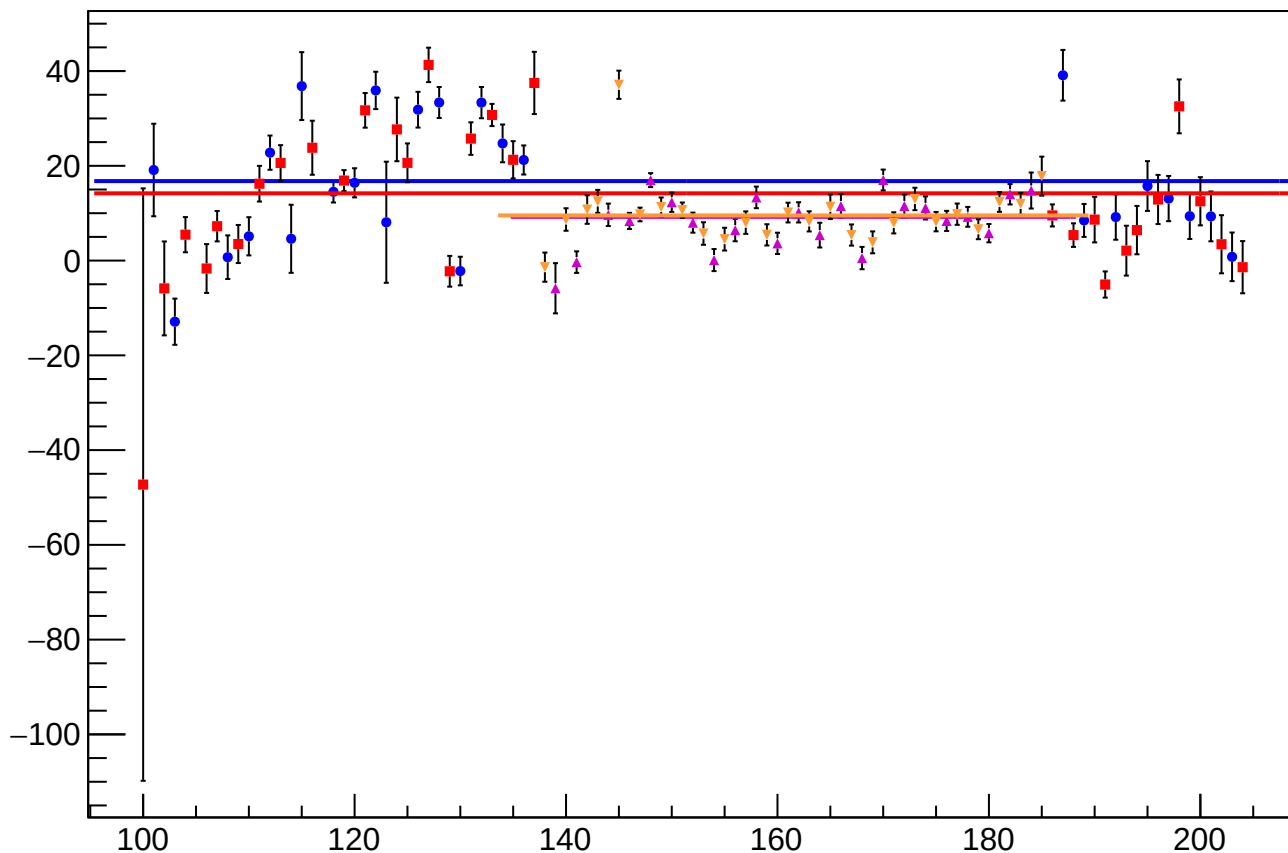
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -58.306 ± 0.531 χ^2/NDF : 2326.7/32

All: -58.726 ± 0.363 χ^2/NDF : 6754.6/66

- sign -59.093 ± 0.497 χ^2/NDF : 4426.7/33

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 16.777 ± 0.805 χ^2/NDF : 249.2/24

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 14.196 ± 0.690 χ^2/NDF : 322.8/29

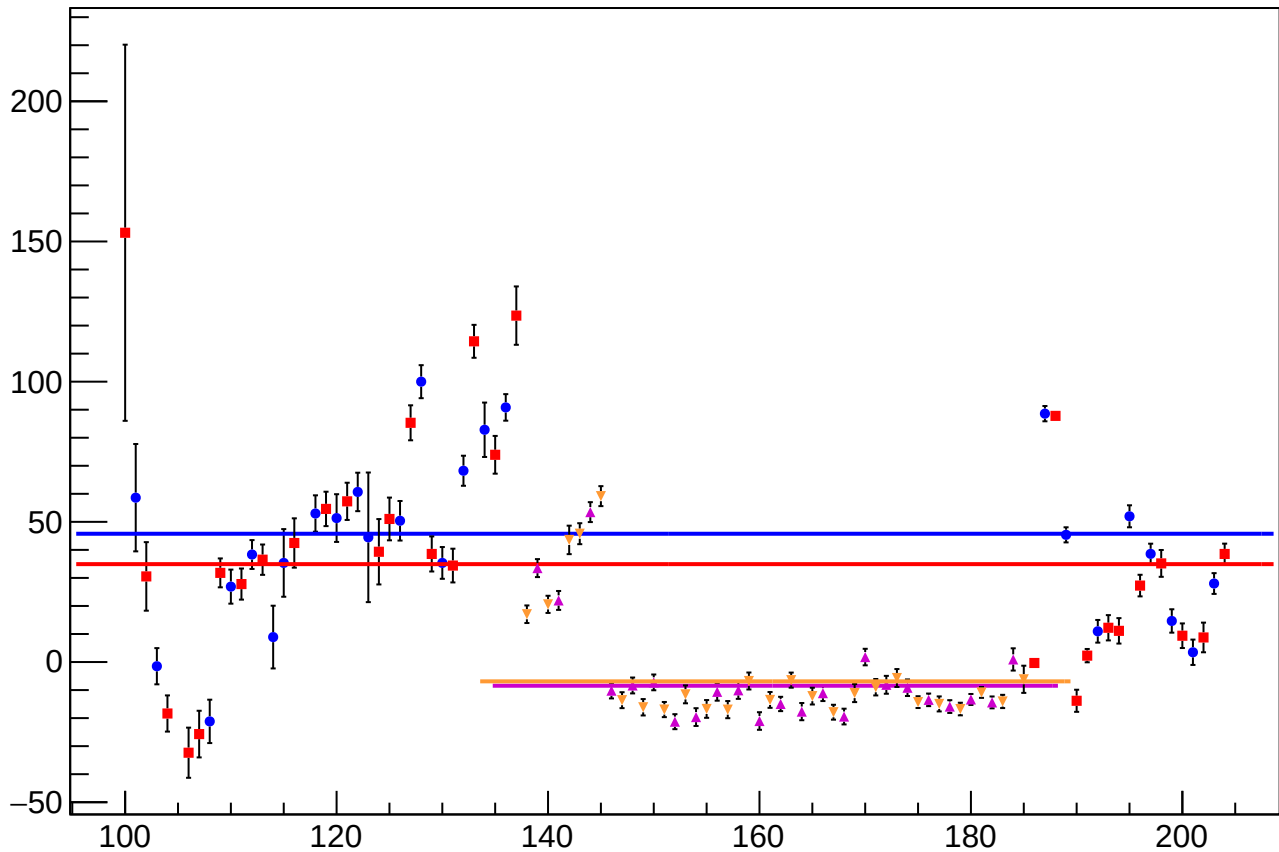
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 11.232 ± 0.390 χ^2/NDF : 445.6/49

All: 10.996 ± 0.274 χ^2/NDF : 928.9/102

- sign 10.767 ± 0.384 χ^2/NDF : 482.6/52

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 45.756 $\pm$ 0.996 χ^2 /NDF: 863.4/24

Left Out: -6.888 $\pm$ 0.571 χ^2 /NDF: 914.2/24

Right Out: 34.919 $\pm$ 0.721 χ^2 /NDF: 2922.9/29

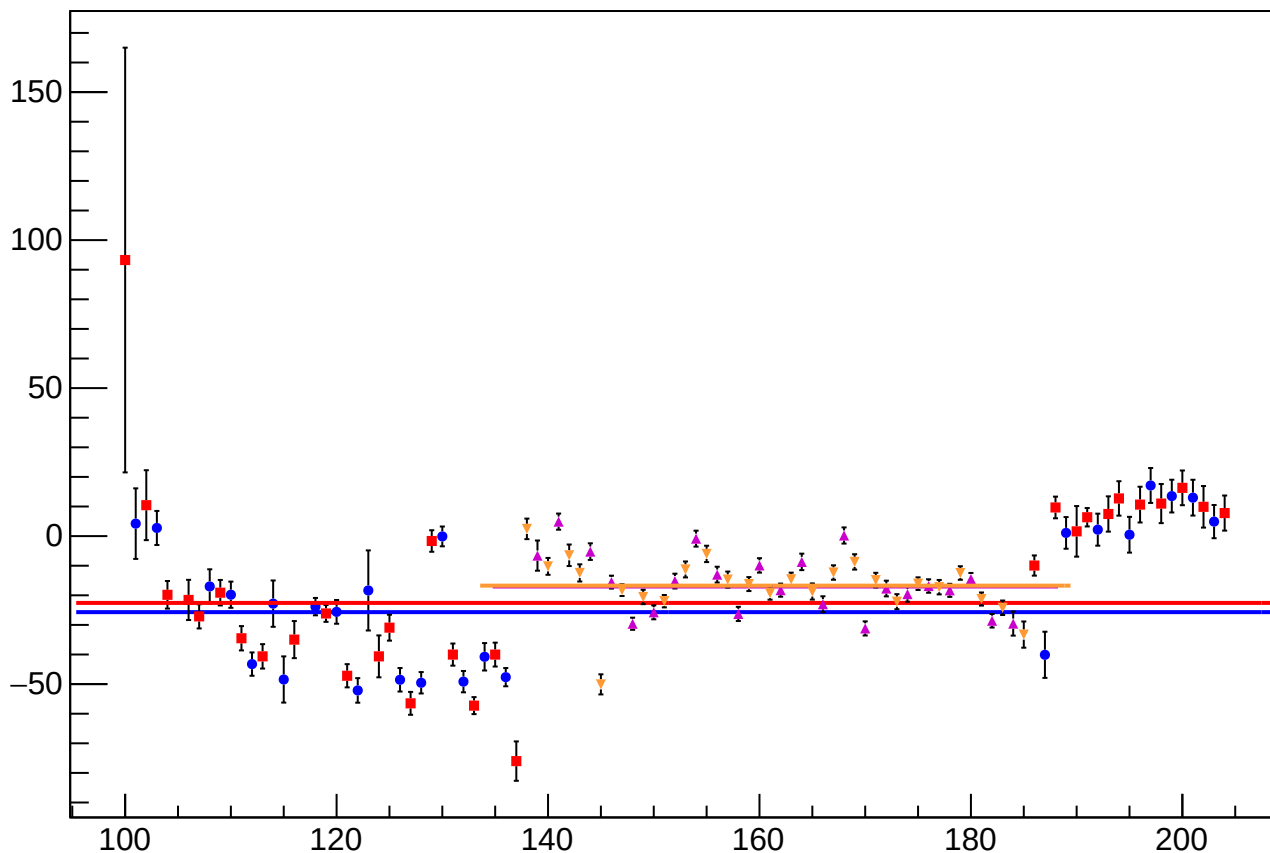
Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

+ sign 6.130 $\pm$ 0.495 χ^2 /NDF: 3879.7/49

All: 7.466 $\pm$ 0.334 χ^2 /NDF: 9701.6/102

- sign 8.577 $\pm$ 0.452 χ^2 /NDF: 5808.5/52

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -25.685 ± 0.933 $\chi^2/\text{NDF}: 590.9/24$

Left Out: -16.733 ± 0.507 $\chi^2/\text{NDF}: 223.3/24$

Right Out: -22.572 ± 0.823 $\chi^2/\text{NDF}: 852.4/29$

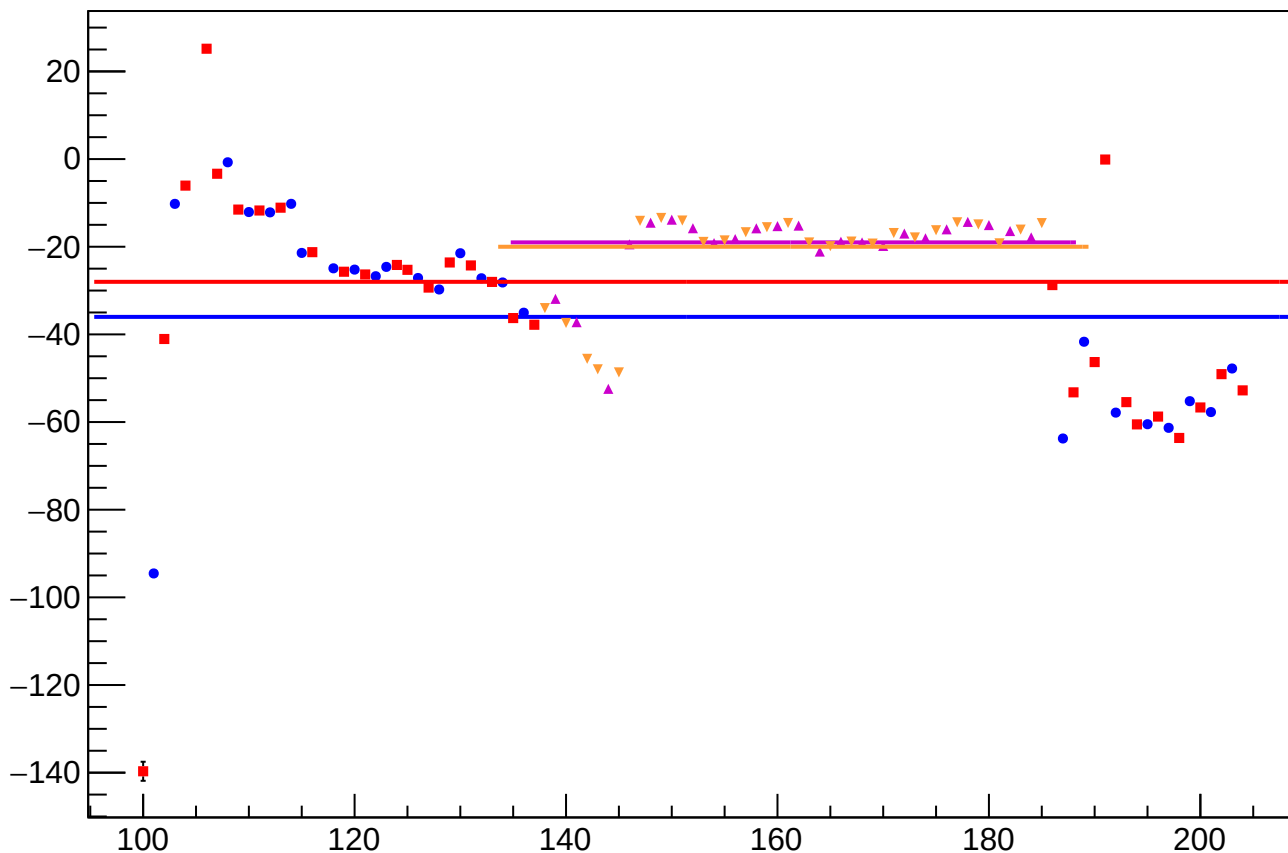
Left In: -17.023 ± 0.522 $\chi^2/\text{NDF}: 327.6/22$

+ sign -18.772 ± 0.445 $\chi^2/\text{NDF}: 885.3/49$

All: -18.693 ± 0.313 $\chi^2/\text{NDF}: 2097.7/102$

- sign -18.615 ± 0.441 $\chi^2/\text{NDF}: 1212.4/52$

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -36.006 ± 0.045 χ^2/NDF : 199956.3/24

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -28.006 ± 0.038 χ^2/NDF : 408819.5/29

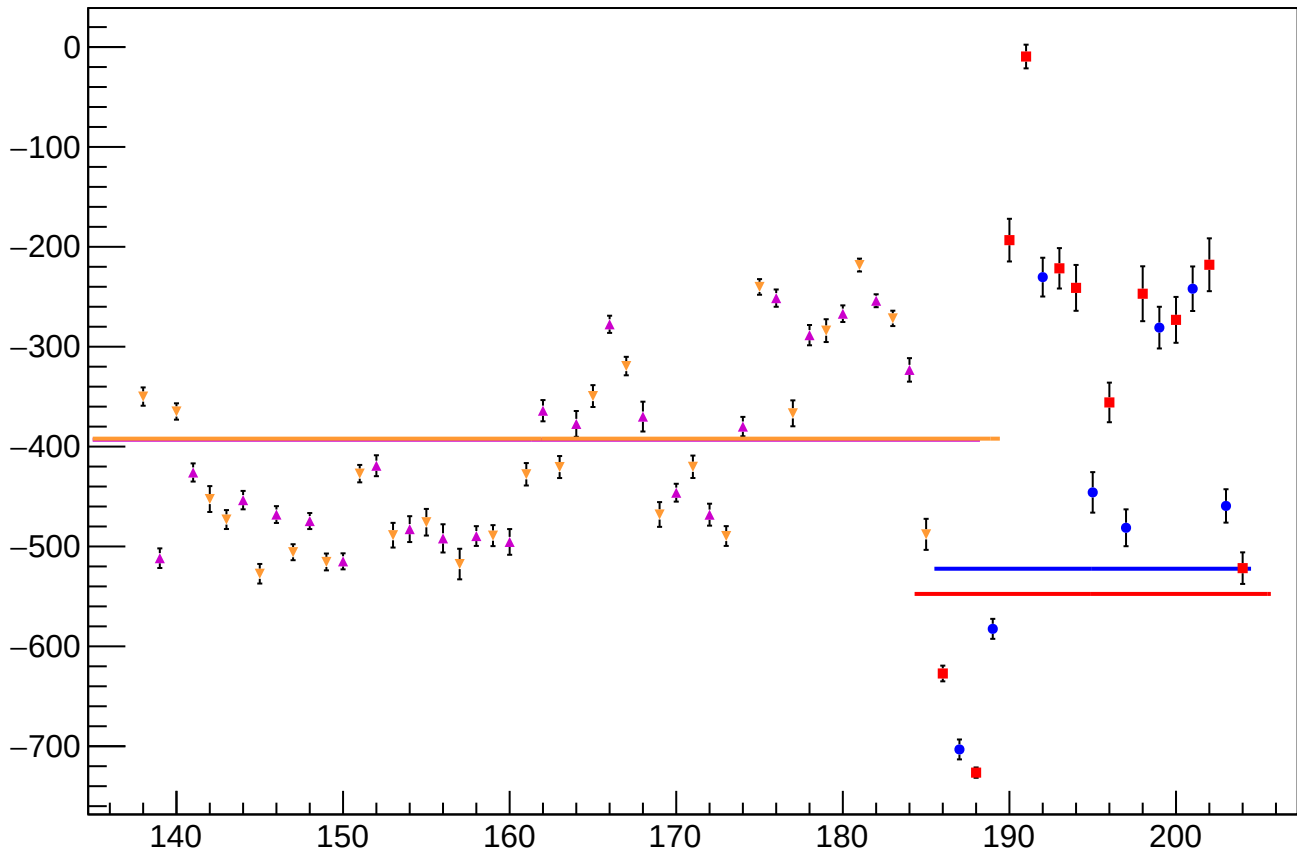
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -23.419 ± 0.021 χ^2/NDF : 446192.3/49

All: -22.450 ± 0.014 χ^2/NDF : 990758.6/102

- sign -21.536 ± 0.020 χ^2/NDF : 540295.1/52

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -522.293+/-5.272 χ^2/NDF : 917.1/7

Left Out: -392.054+/-1.967 χ^2/NDF : 2717.2/24

Right Out: -547.512+/-3.573 χ^2/NDF : 4581.8/10

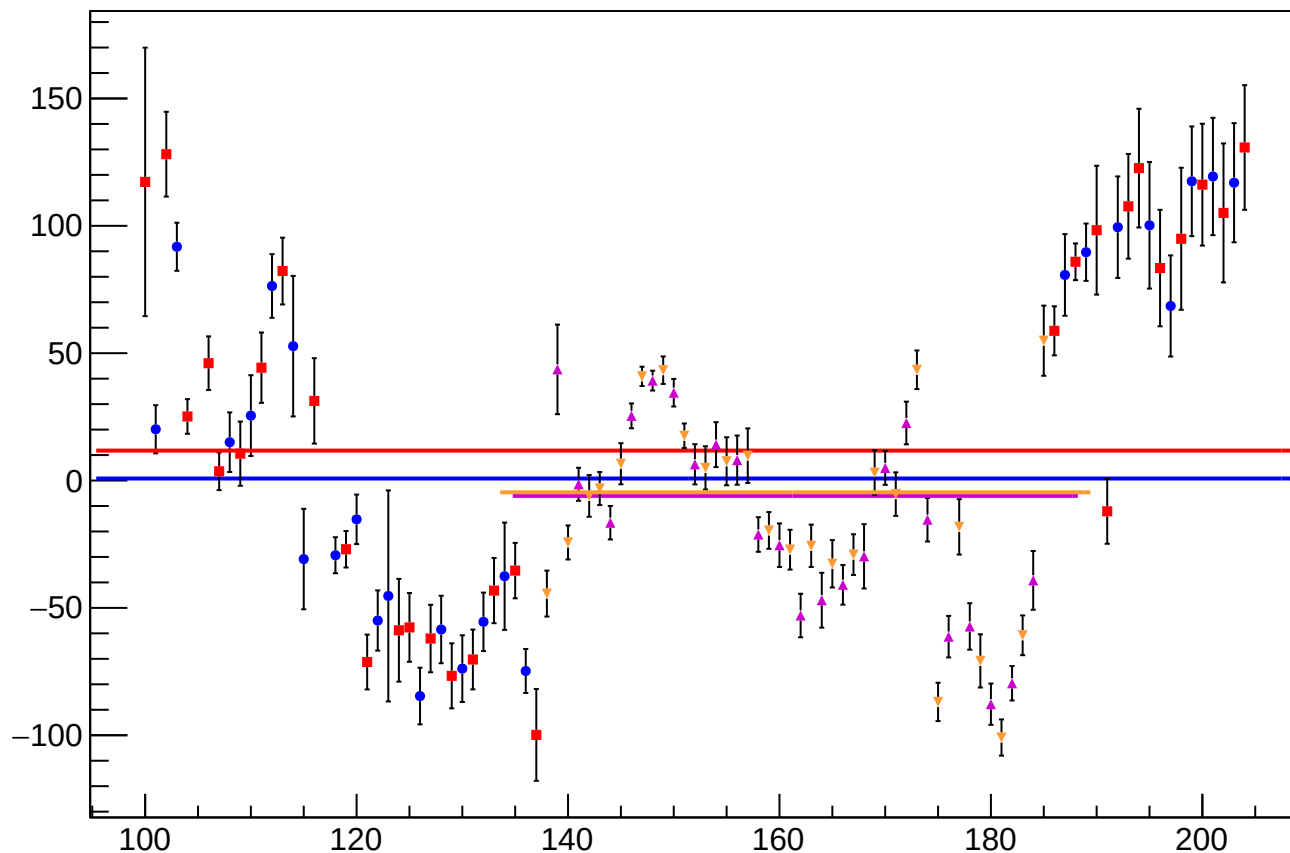
Left In: -393.113+/-2.006 χ^2/NDF : 2253.3/22

+ sign -407.960+/-1.843 χ^2/NDF : 4169.9/32

All: -419.605+/-1.268 χ^2/NDF : 12500.6/66

- sign -430.096+/-1.749 χ^2/NDF : 8254.8/33

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 0.796 ± 2.586 χ^2/NDF : 623.5/24

Left Out: -4.624 ± 1.462 χ^2/NDF : 772.9/24

Right Out: 11.758 ± 2.255 χ^2/NDF : 697.7/29

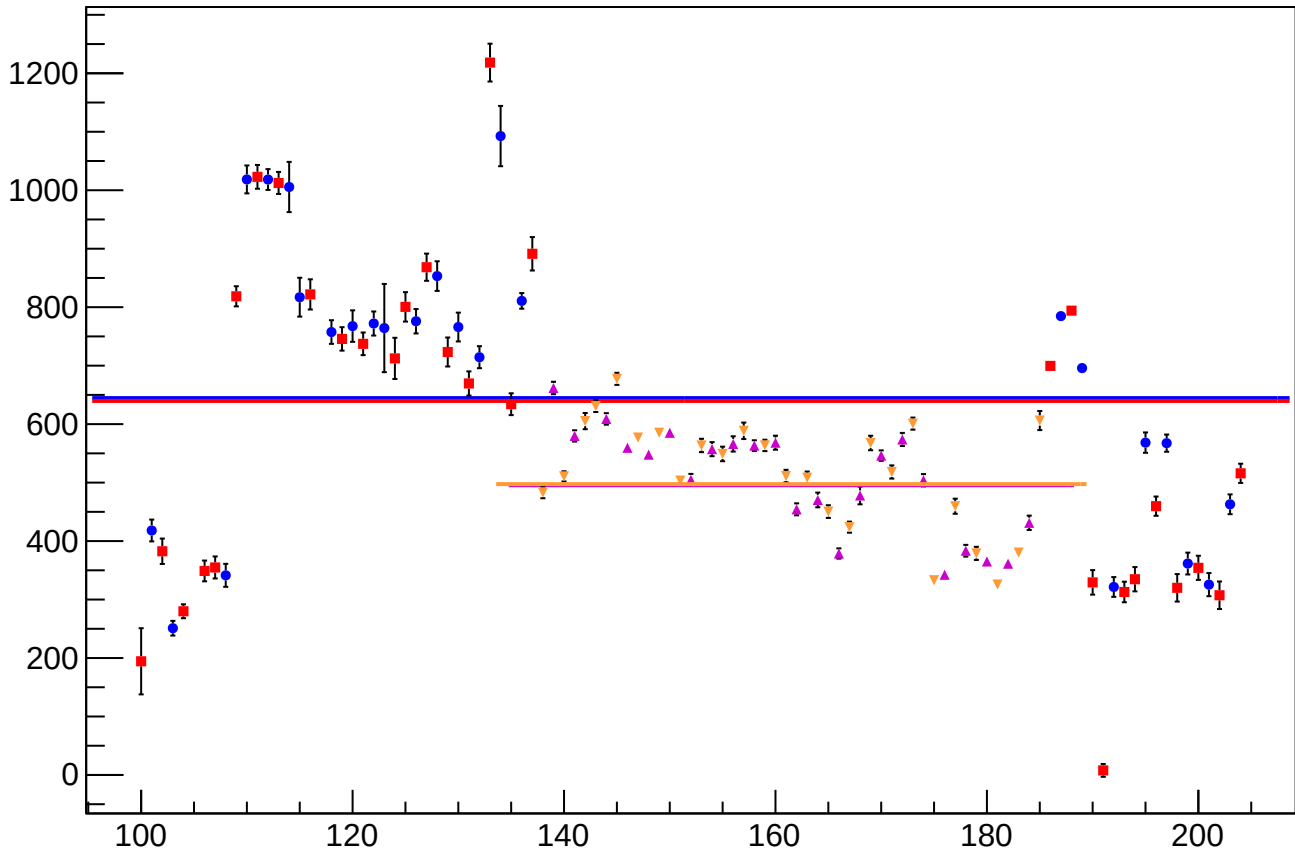
Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -3.311 ± 1.273 χ^2/NDF : 1399.7/49

All: -1.882 ± 0.895 χ^2/NDF : 2796.8/102

- sign -0.485 ± 1.258 χ^2/NDF : 1394.5/52

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 644.532 $\pm$ 3.360 χ^2 /NDF: 3964.8/24

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF:2614.6/24

Right Out: 639.665 $\pm$ 2.525 χ^2 /NDF: 9432.5/29

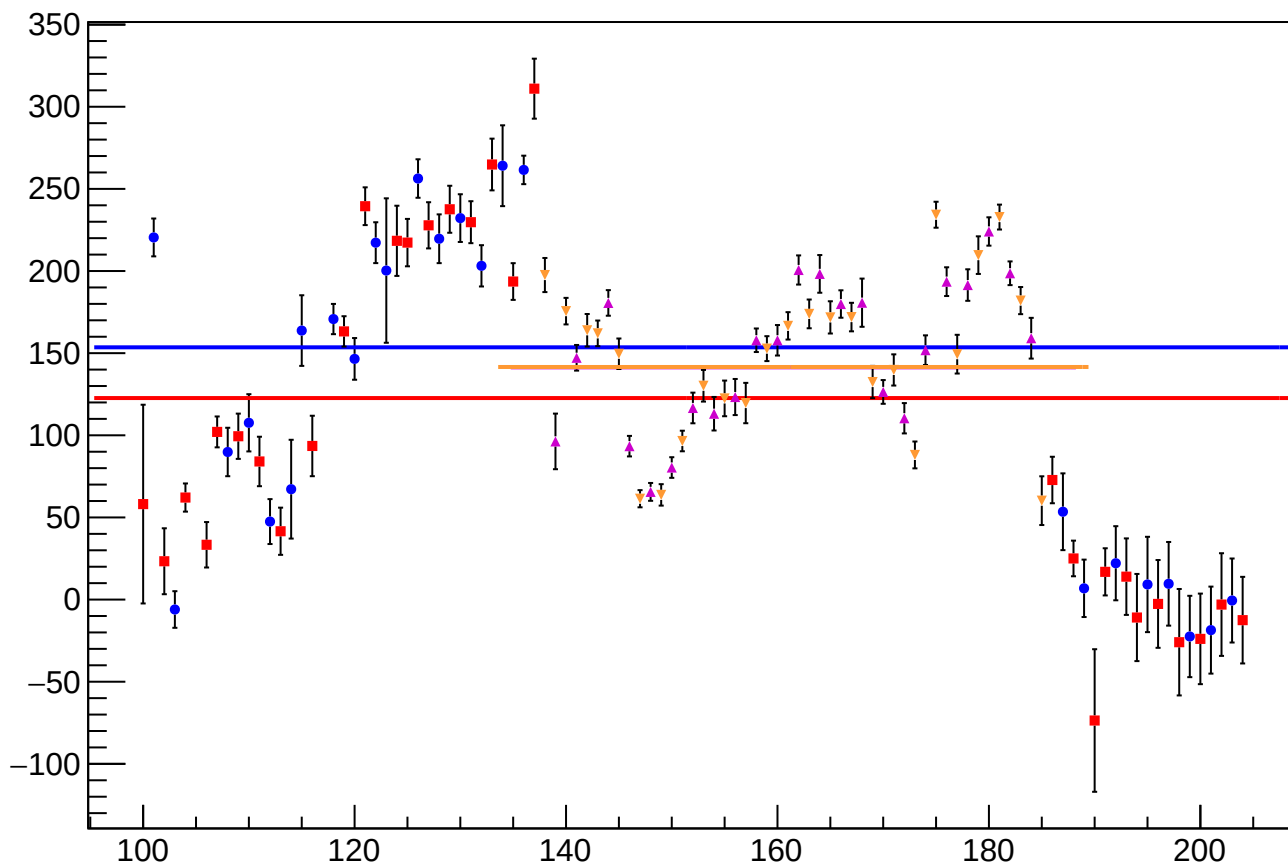
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF:2253.8/22

+ sign 534.914 $\pm$ 1.697 χ^2 /NDF: 8008.5/49

All: 543.486 $\pm$ 1.150 χ^2 /NDF: 21752.0/102

- sign 550.770 $\pm$ 1.564 χ^2 /NDF: 13696.3/52

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 153.557 $\pm$ 3.024 χ^2 /NDF: 989.8/24

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 122.672 $\pm$ 2.711 χ^2 /NDF: 1099.6/29

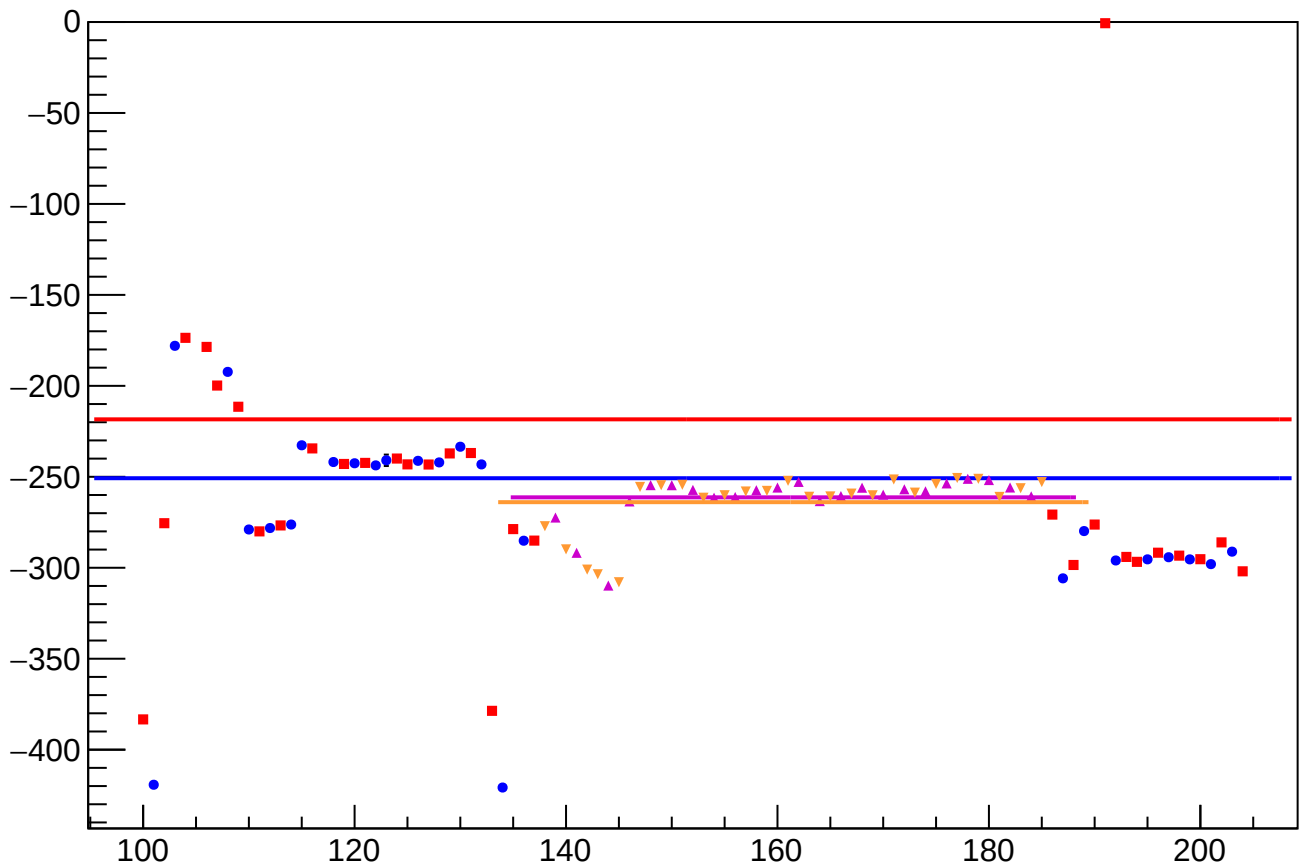
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 144.458 $\pm$ 1.481 χ^2 /NDF: 1961.3/49

All: 140.131 $\pm$ 1.043 χ^2 /NDF: 3852.6/102

- sign 135.873 $\pm$ 1.469 χ^2 /NDF: 1874.4/52

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -250.776 ± 0.141 $\chi^2/\text{NDF}: 194733.1/24$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -218.412 ± 0.125 $\chi^2/\text{NDF}: 490875.9/29$

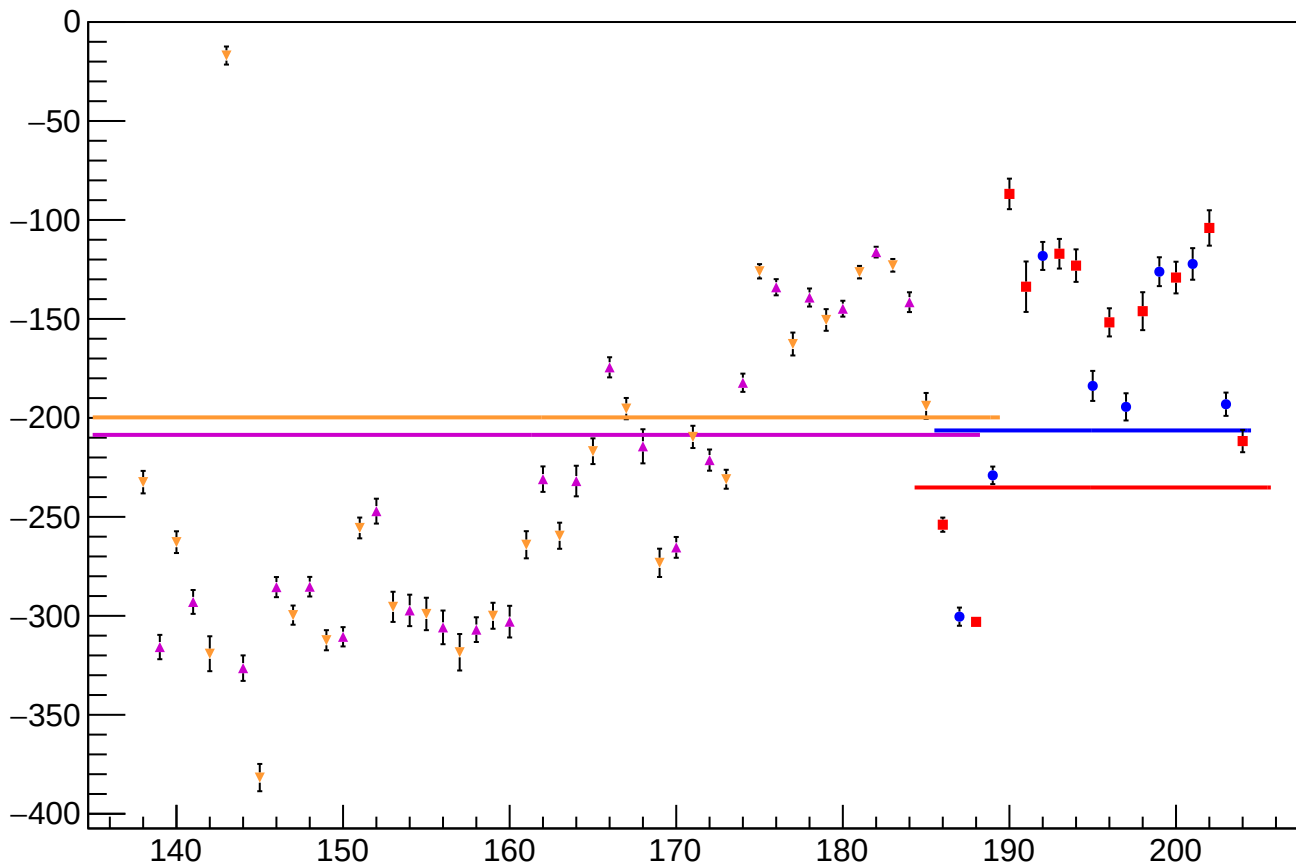
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -260.674 ± 0.070 $\chi^2/\text{NDF}: 240340.4/49$

All: -254.340 ± 0.049 $\chi^2/\text{NDF}: 852823.9/102$

- sign -248.351 ± 0.069 $\chi^2/\text{NDF}: 596755.4/52$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -206.337 ± 2.130 $\chi^2/\text{NDF}: 850.3/7$

Left Out: -199.741 ± 1.061 $\chi^2/\text{NDF}: 6361.5/24$

Right Out: -235.153 ± 1.578 $\chi^2/\text{NDF}: 2347.6/10$

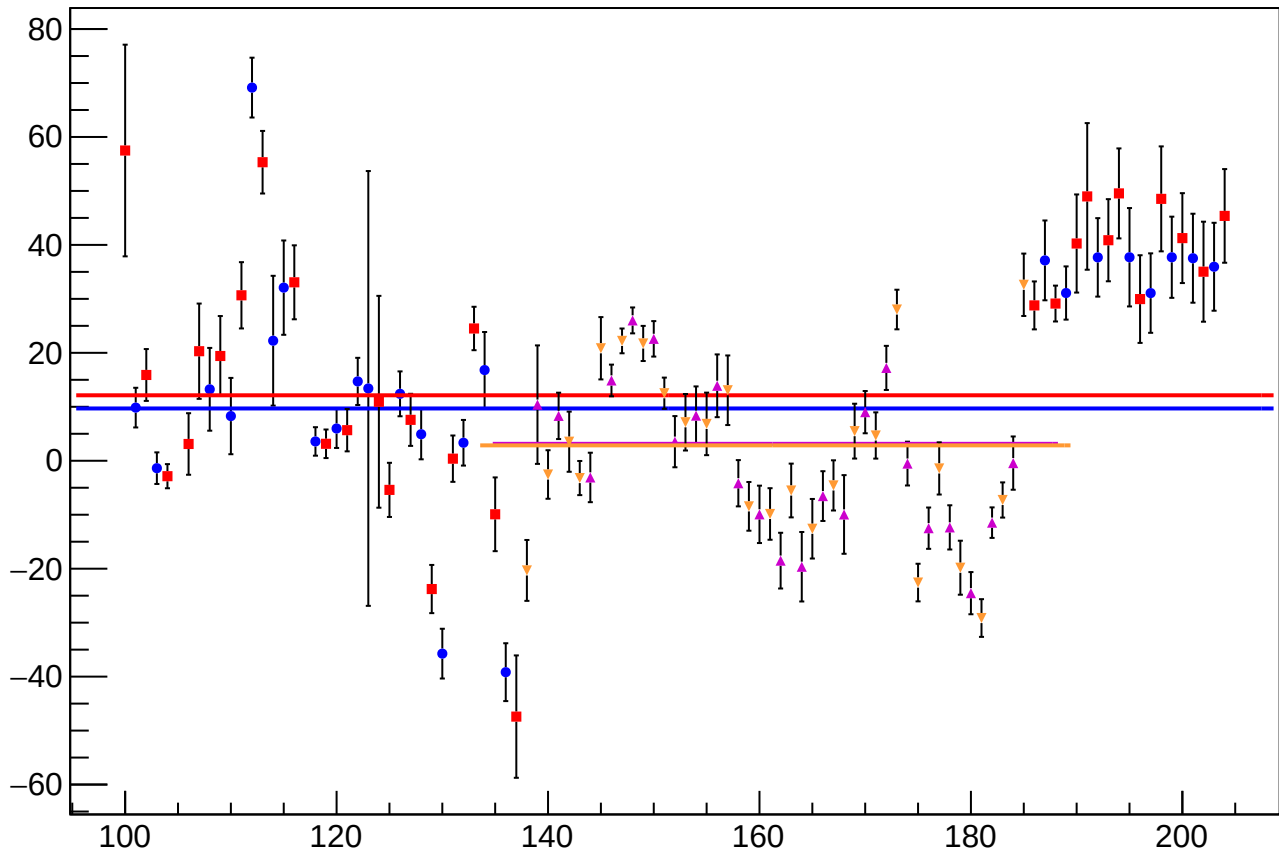
Left In: -208.579 ± 1.082 $\chi^2/\text{NDF}: 4805.1/22$

+ sign -201.052 ± 0.950 $\chi^2/\text{NDF}: 7219.5/32$

All: -209.564 ± 0.650 $\chi^2/\text{NDF}: 14716.3/66$

- sign -217.080 ± 0.893 $\chi^2/\text{NDF}: 7345.6/33$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 9.690 ± 1.014 χ^2/NDF : 431.0/24

Left Out: 2.853 ± 0.820 χ^2/NDF : 419.8/24

Right Out: 12.133 ± 0.941 χ^2/NDF : 419.4/29

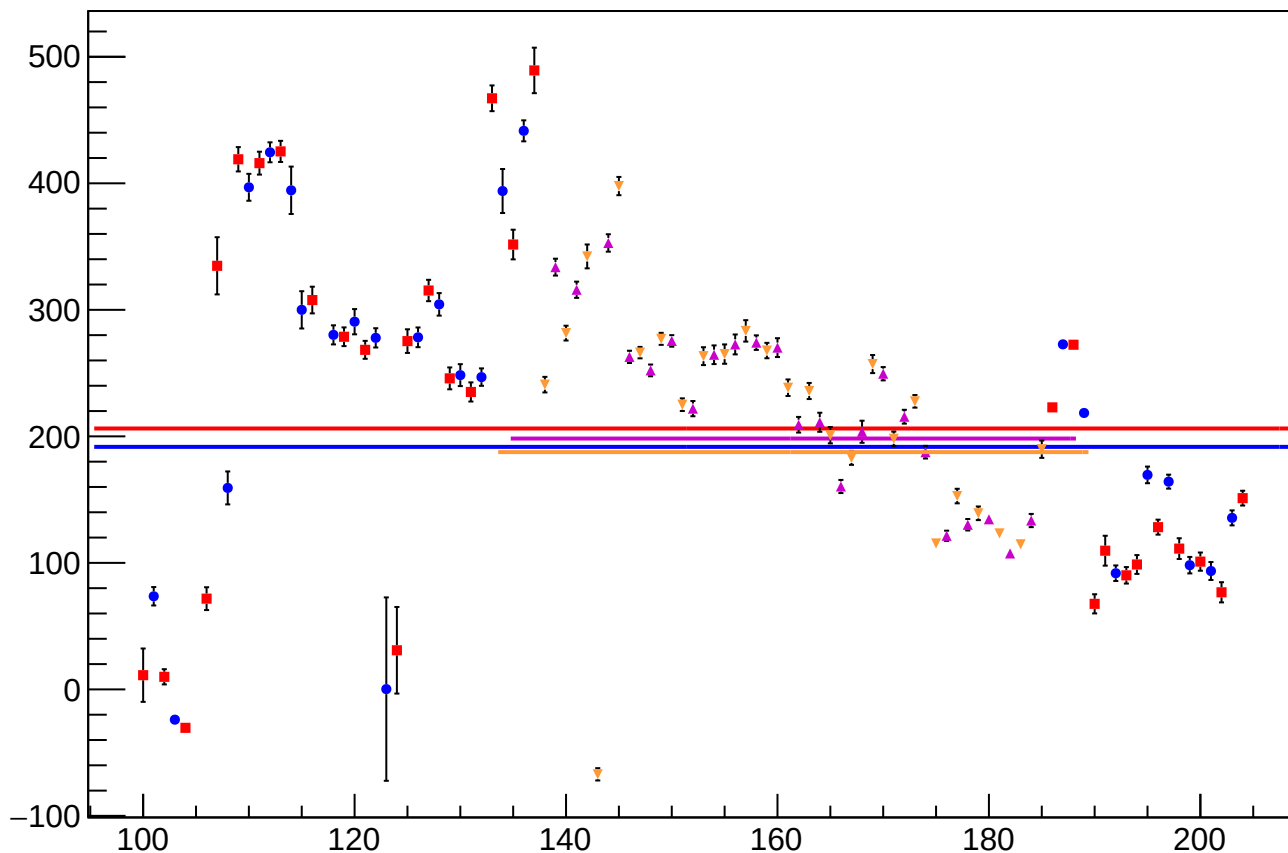
Left In: 3.136 ± 0.857 χ^2/NDF : 319.8/22

+ sign 5.555 ± 0.638 χ^2/NDF : 878.3/49

All: 6.389 ± 0.449 χ^2/NDF : 1670.9/102

- sign 7.212 ± 0.633 χ^2/NDF : 789.2/52

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 191.696 ± 1.349 $\chi^2/\text{NDF}: 8035.9/24$

Left Out: 187.565 ± 1.066 $\chi^2/\text{NDF}: 7082.0/24$

Right Out: 206.222 ± 1.091 $\chi^2/\text{NDF}: 11317.3/29$

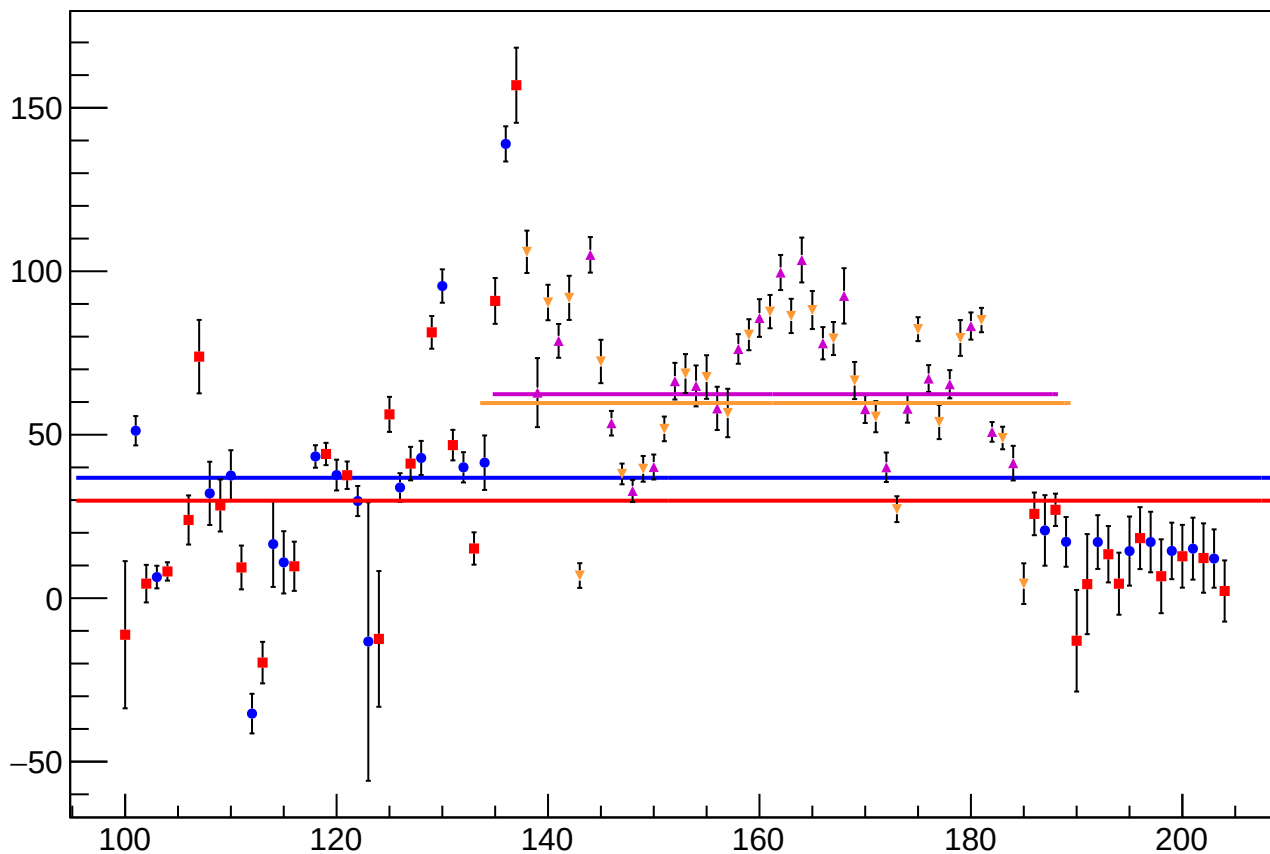
Left In: 198.269 ± 1.082 $\chi^2/\text{NDF}: 4515.8/22$

+ sign 189.152 ± 0.836 $\chi^2/\text{NDF}: 15123.7/49$

All: 196.234 ± 0.566 $\chi^2/\text{NDF}: 31115.7/102$

- sign 202.209 ± 0.768 $\chi^2/\text{NDF}: 15859.9/52$

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 36.827 $\pm$ 1.192 χ^2/NDF : 784.0/24

Left Out: 59.682 $\pm$ 0.941 χ^2/NDF : 757.6/24

Right Out: 29.820 $\pm$ 1.129 χ^2/NDF : 597.9/29

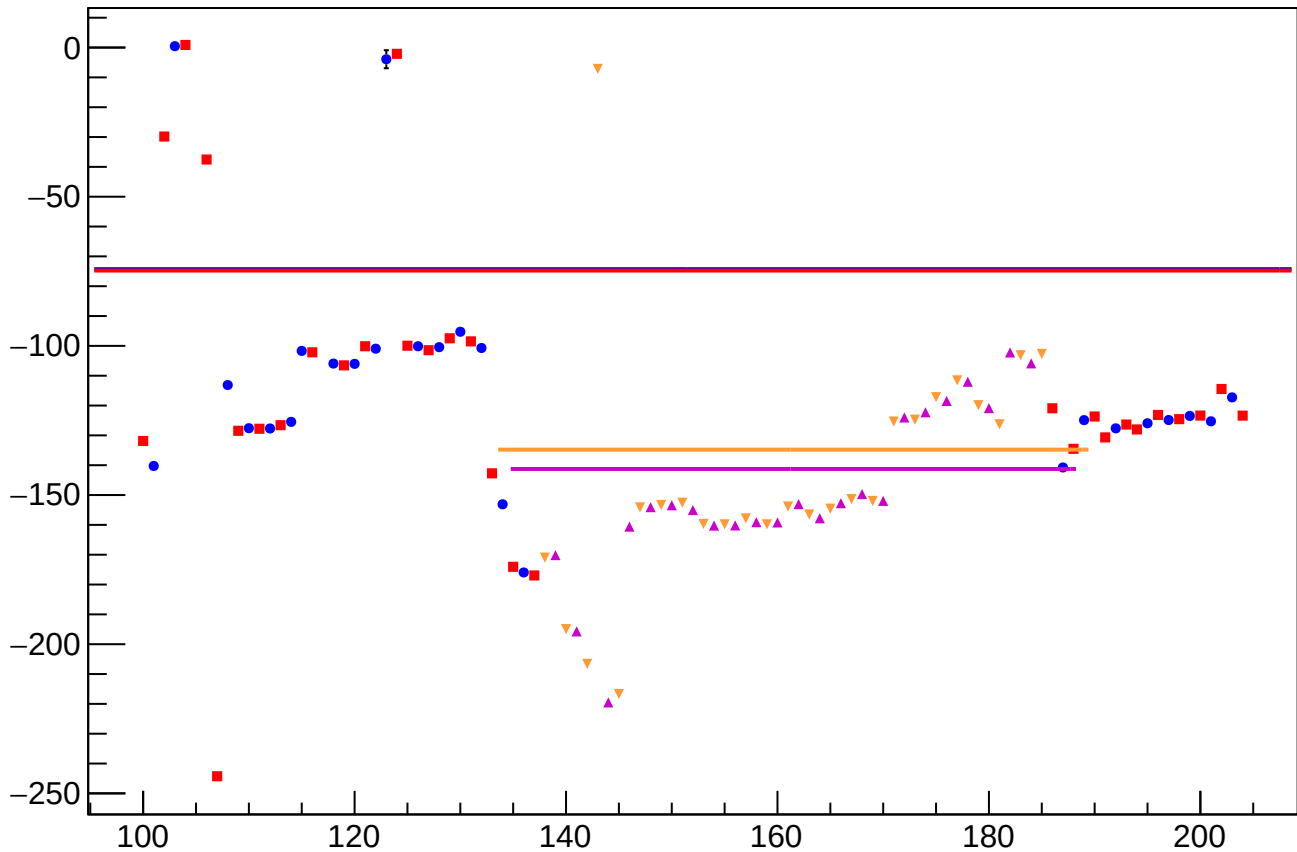
Left In: 62.400 $\pm$ 0.974 χ^2/NDF : 406.3/22

+ sign 50.914 $\pm$ 0.739 χ^2/NDF : 1768.1/49

All: 49.701 $\pm$ 0.522 χ^2/NDF : 3255.2/102

- sign 48.492 $\pm$ 0.737 χ^2/NDF : 1481.7/52

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -74.291 ± 0.054 $\chi^2/\text{NDF}: 1392341.7/24$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -74.749 ± 0.051 $\chi^2/\text{NDF}: 1391829.0/29$

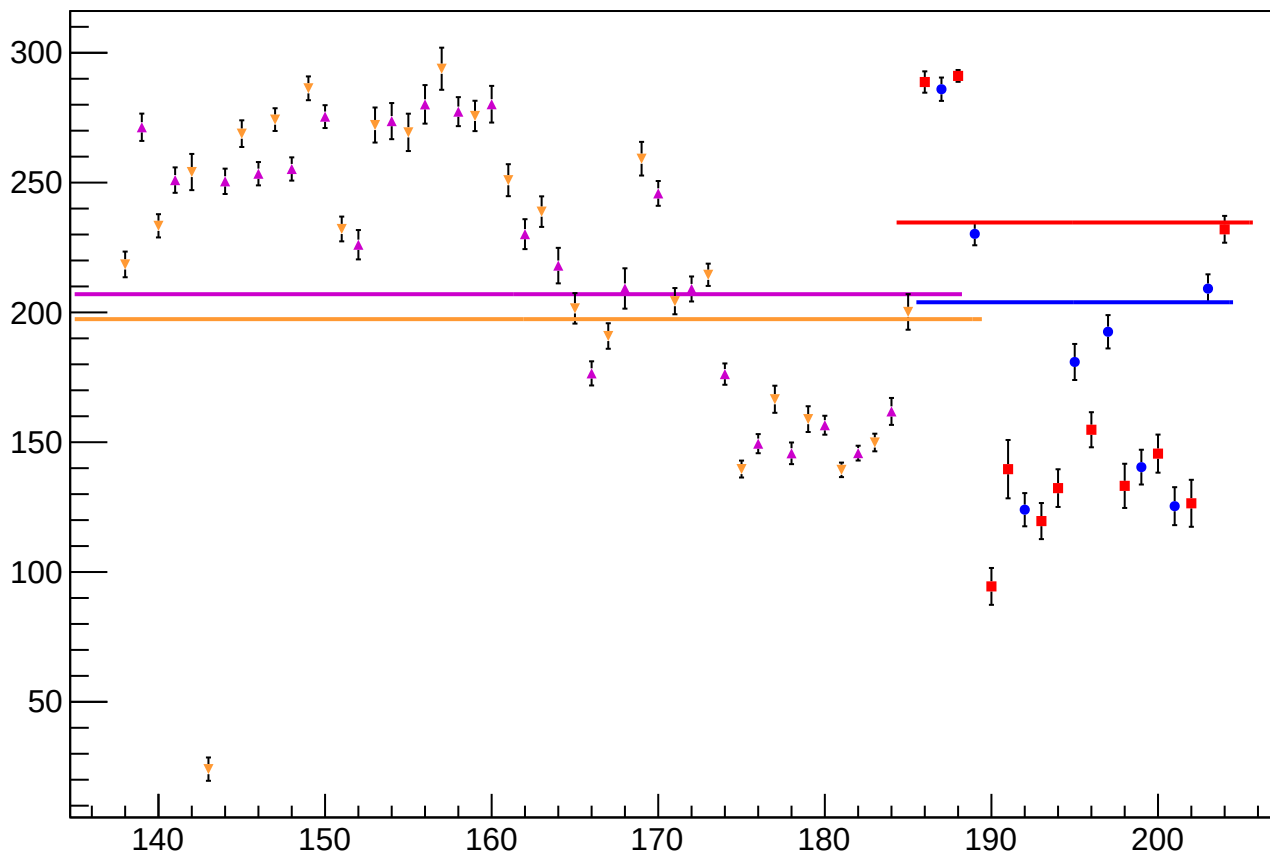
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -110.142 ± 0.034 $\chi^2/\text{NDF}: 2949585.4/49$

All: -111.063 ± 0.024 $\chi^2/\text{NDF}: 5639796.5/10$

- sign -111.963 ± 0.034 $\chi^2/\text{NDF}: 2688783.4/52$

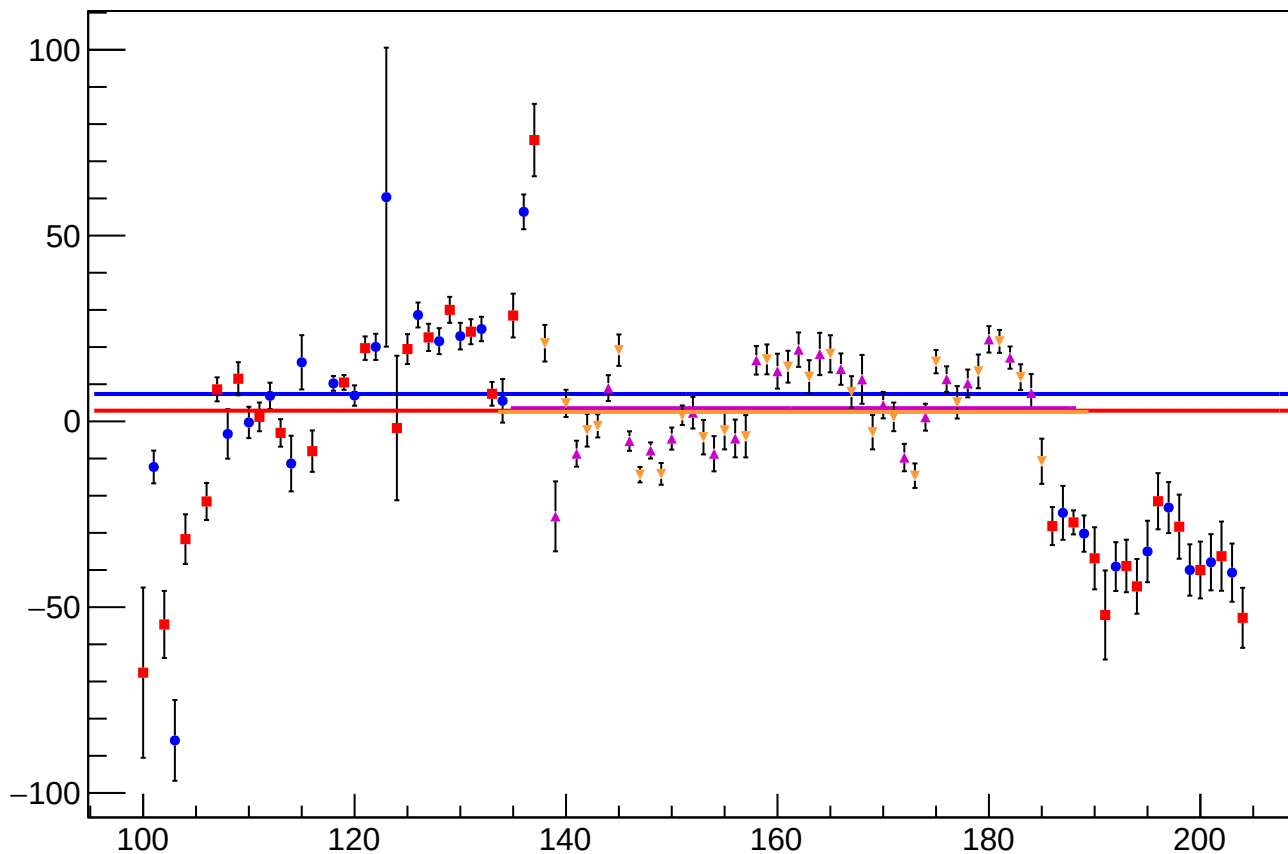
reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 203.912 $\pm$ 2.022 χ^2 /NDF: 745.1/7
 Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF:4384.2/24
 Right Out: 234.635 $\pm$ 1.538 χ^2 /NDF: 2292.1/10
 Left In: 207.014 $\pm$ 0.990 χ^2 /NDF:2611.5/22

+ sign 198.610 $\pm$ 0.869 χ^2 /NDF: 5137.7/32
 All: 207.218 $\pm$ 0.601 χ^2 /NDF: 10457.4/66
 - sign 215.112 $\pm$ 0.833 χ^2 /NDF: 5131.7/33

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 7.376 ± 0.873 χ^2/NDF : 633.2/24

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 2.887 ± 0.827 χ^2/NDF : 743.6/29

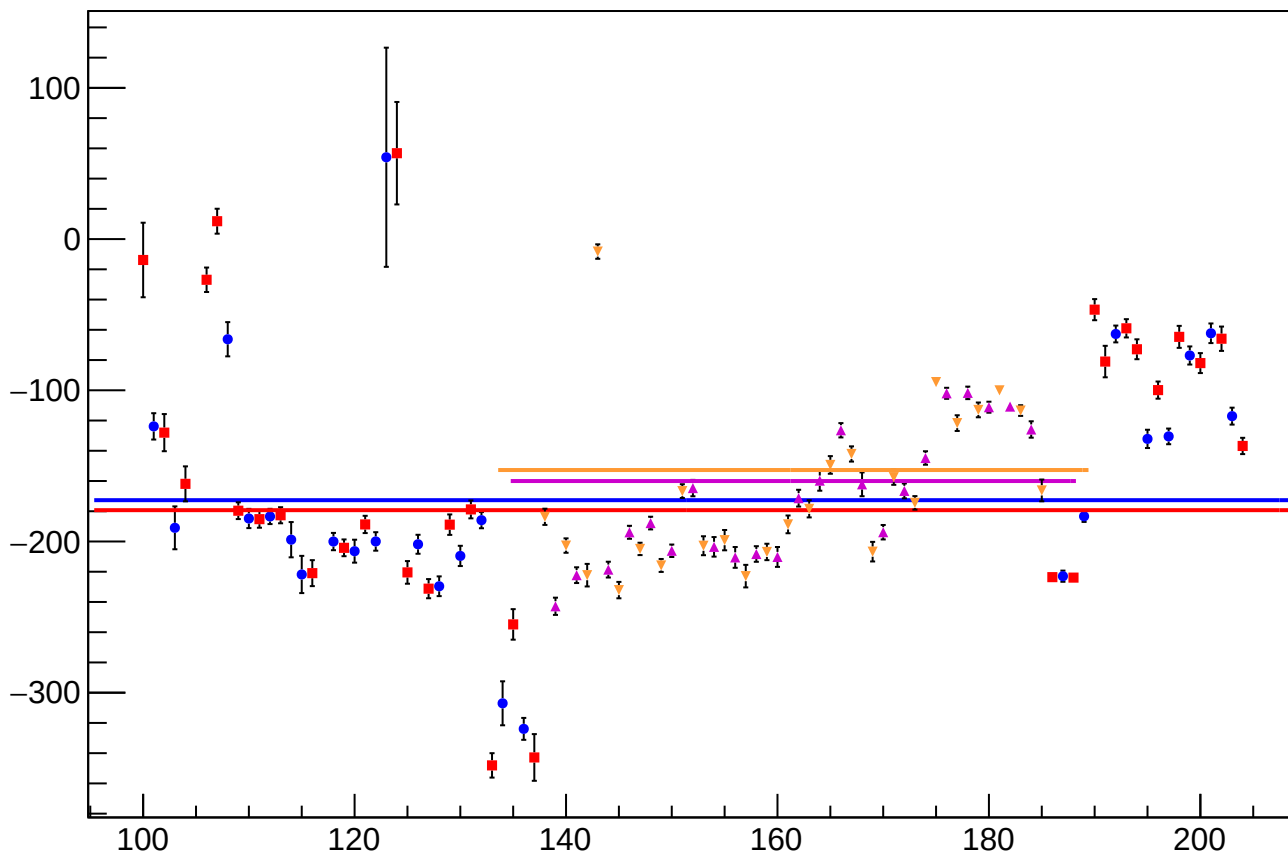
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 4.568 ± 0.565 χ^2/NDF : 926.4/49

All: 3.907 ± 0.399 χ^2/NDF : 1865.1/102

- sign 3.245 ± 0.565 χ^2/NDF : 936.0/52

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -172.676 ± 1.255 $\chi^2/\text{NDF}: 2216.3/24$

Left Out: -152.738 ± 0.967 $\chi^2/\text{NDF}: 3077.8/24$

Right Out: -179.286 ± 1.033 $\chi^2/\text{NDF}: 4558.9/29$

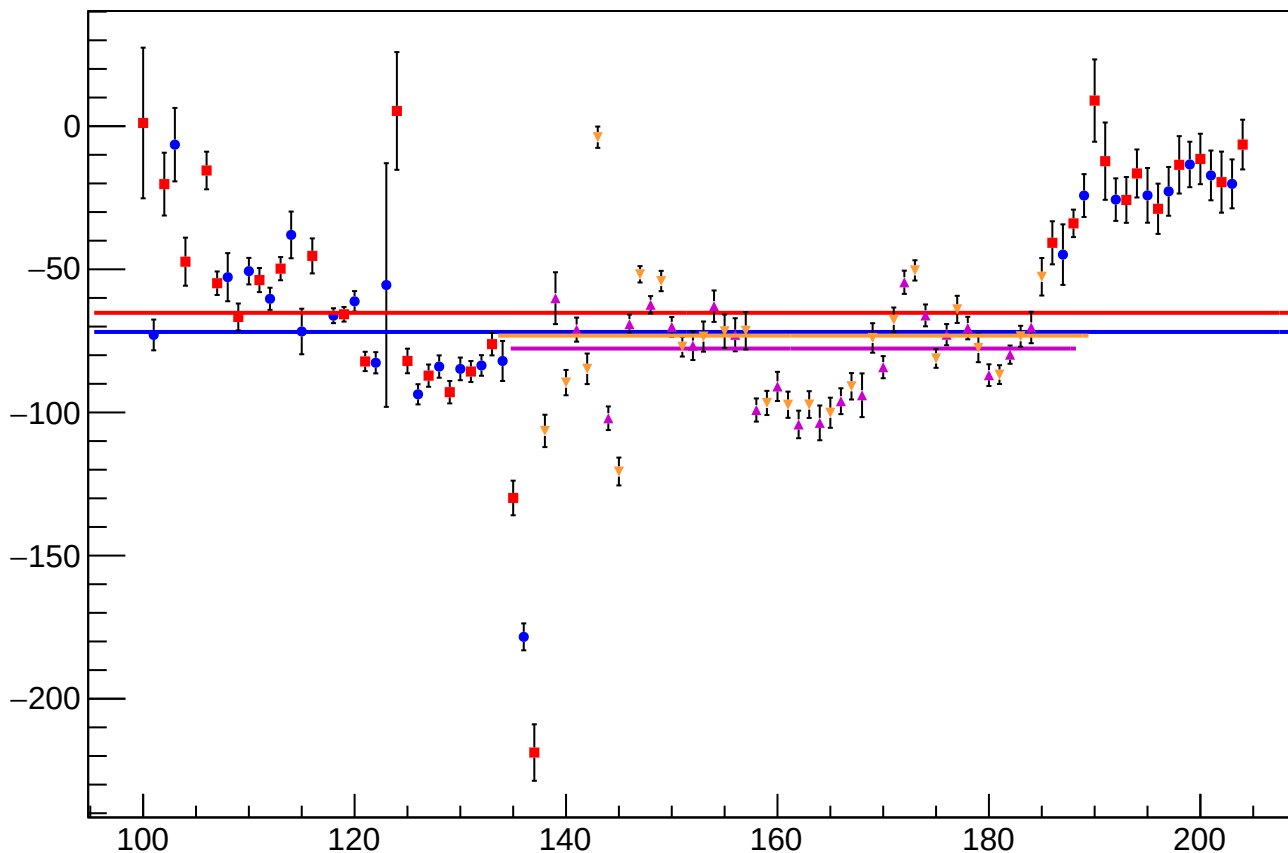
Left In: -160.021 ± 0.989 $\chi^2/\text{NDF}: 2024.4/22$

+ sign -160.164 ± 0.766 $\chi^2/\text{NDF}: 5452.4/49$

All: -165.014 ± 0.522 $\chi^2/\text{NDF}: 12292.1/102$

- sign -169.231 ± 0.714 $\chi^2/\text{NDF}: 6764.7/52$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -71.883+/-1.019 χ^2/NDF : 959.9/24

Left Out: -73.165+/-0.851 χ^2/NDF : 788.6/24

Right Out: -65.197+/-0.971 χ^2/NDF : 951.9/29

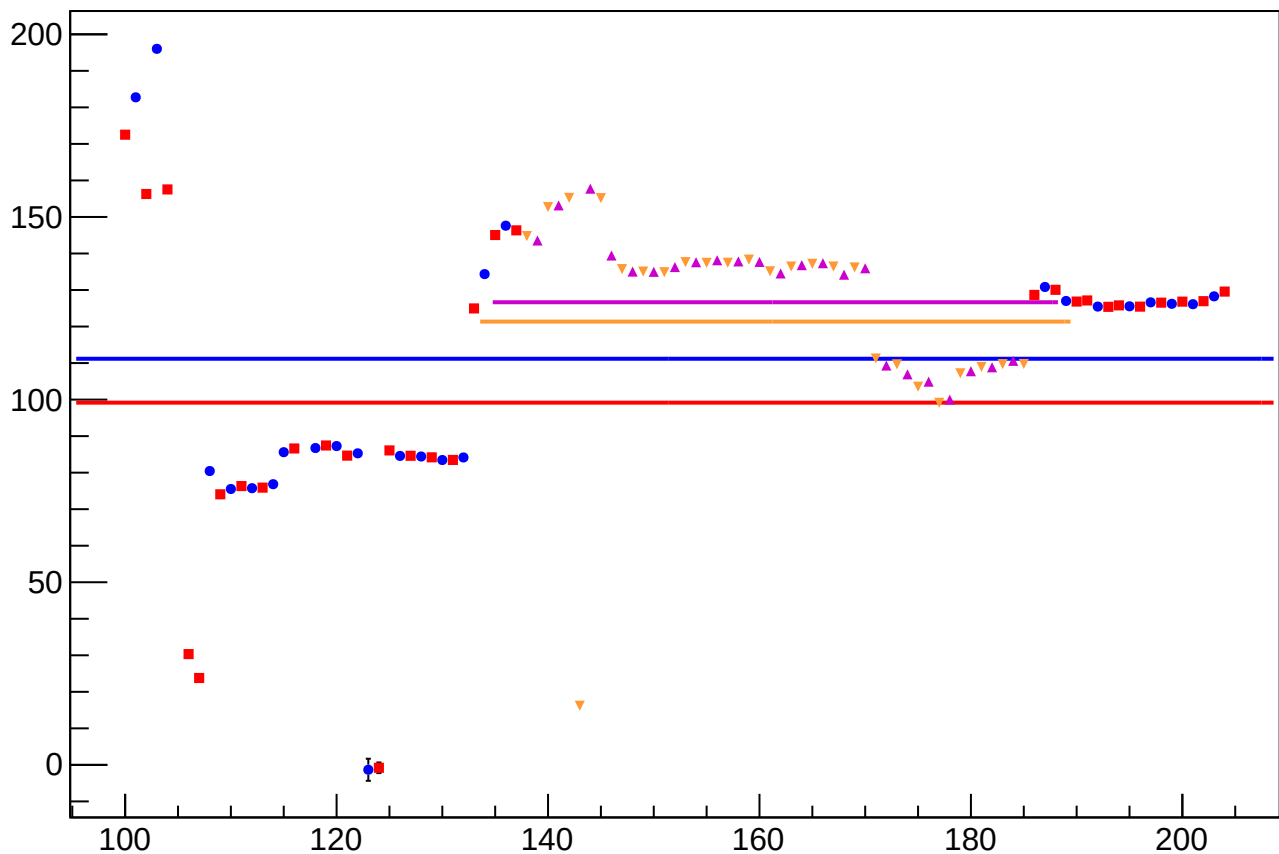
Left In: -77.678+/-0.883 χ^2/NDF : 248.3/22

+ sign -72.638+/-0.653 χ^2/NDF : 1749.4/49

All: -72.335+/-0.462 χ^2/NDF : 3040.4/102

- sign -72.032+/-0.653 χ^2/NDF : 1290.6/52

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 111.183 $\pm$ 0.058 χ^2 /NDF: 307513.9/24

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 99.167 $\pm$ 0.052 χ^2 /NDF: 568262.4/29

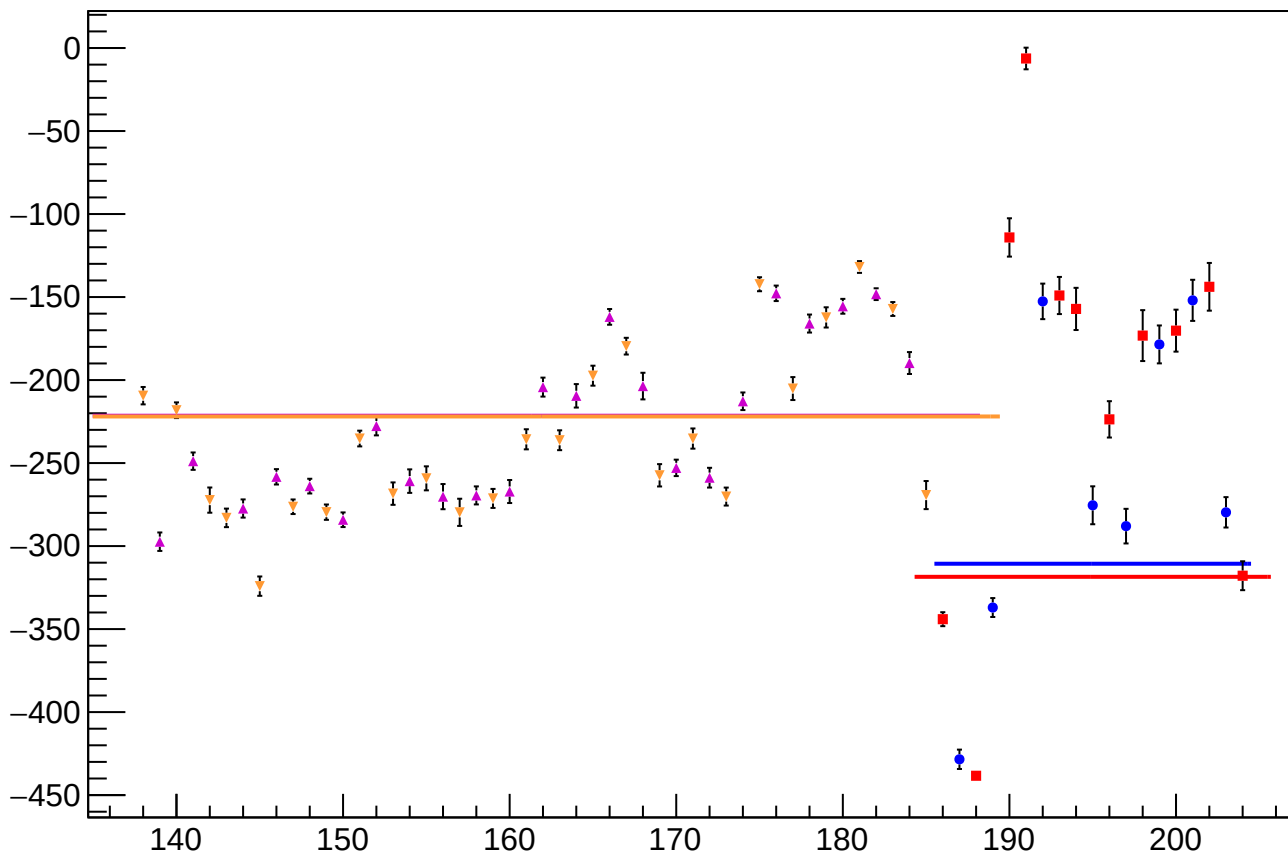
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 118.037 $\pm$ 0.033 χ^2 /NDF: 810273.6/49

All: 117.038 $\pm$ 0.023 χ^2 /NDF: 1715436.9/102

- sign 116.090 $\pm$ 0.032 χ^2 /NDF: 903386.1/52

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -310.637 ± 2.988 χ^2/NDF : 971.3/7

Left Out: -221.934 ± 1.084 χ^2/NDF : 2578.4/24

Right Out: -318.518 ± 2.012 χ^2/NDF : 5043.2/10

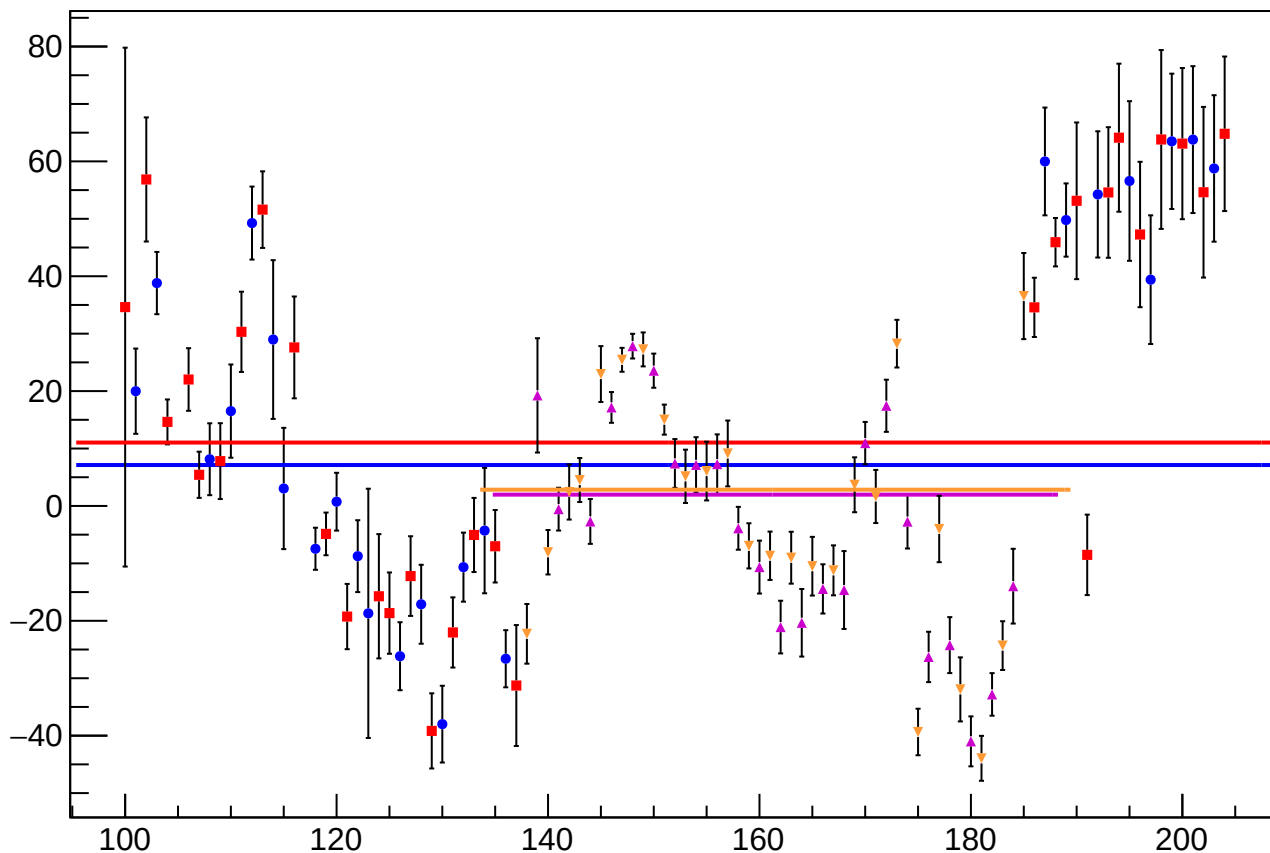
Left In: -221.483 ± 1.102 χ^2/NDF : 2149.8/22

+ sign -232.257 ± 1.019 χ^2/NDF : 4328.3/32

All: -238.382 ± 0.701 χ^2/NDF : 13379.5/66

- sign -243.889 ± 0.967 χ^2/NDF : 8982.6/33

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 7.126 ± 1.416 $\chi^2/\text{NDF}: 430.6/24$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 11.040 ± 1.223 $\chi^2/\text{NDF}: 471.9/29$

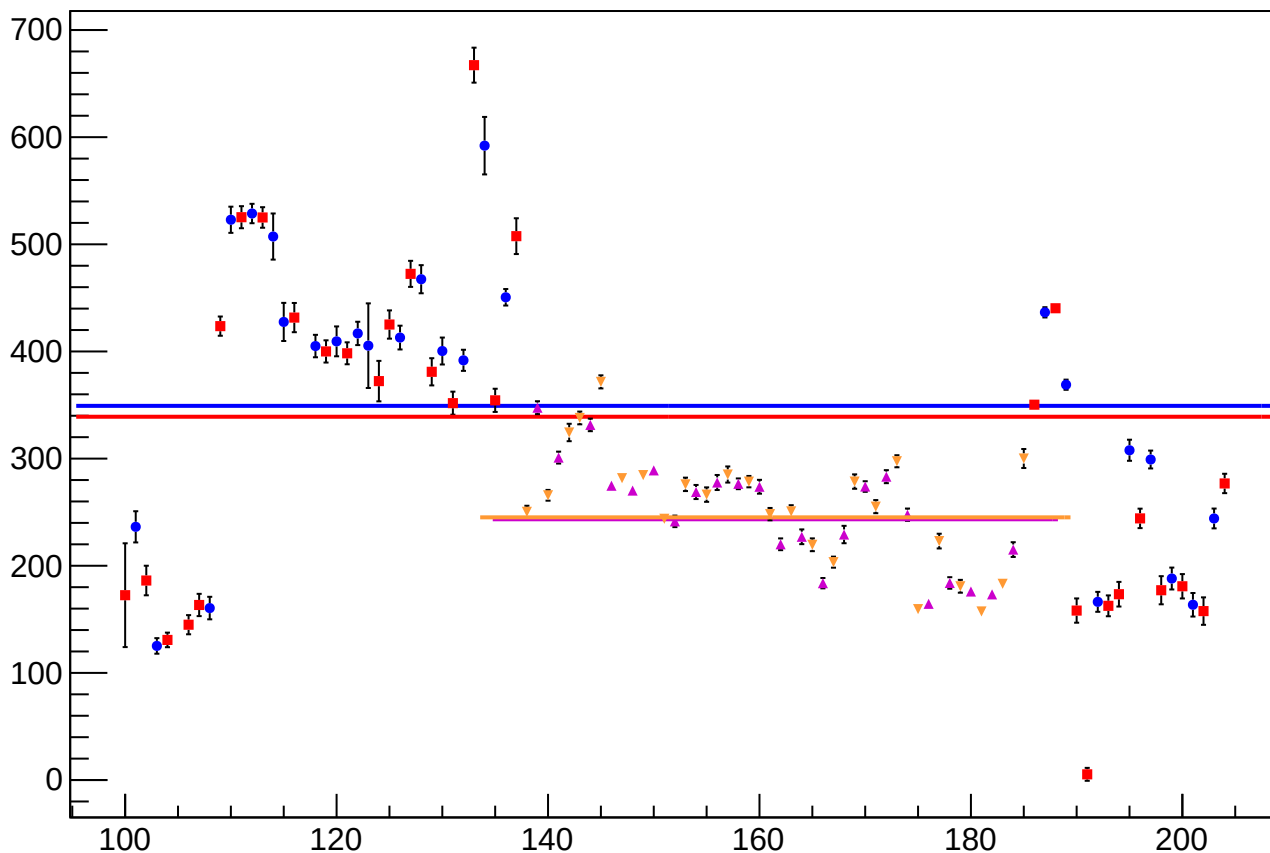
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 3.885 ± 0.701 $\chi^2/\text{NDF}: 1124.5/49$

All: 4.377 ± 0.492 $\chi^2/\text{NDF}: 2224.0/102$

- sign 4.853 ± 0.689 $\chi^2/\text{NDF}: 1098.5/52$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 349.234 $\pm$ 1.881 χ^2 /NDF: 3948.3/24

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF:2597.4/24

Right Out: 339.074 $\pm$ 1.406 χ^2 /NDF: 9702.7/29

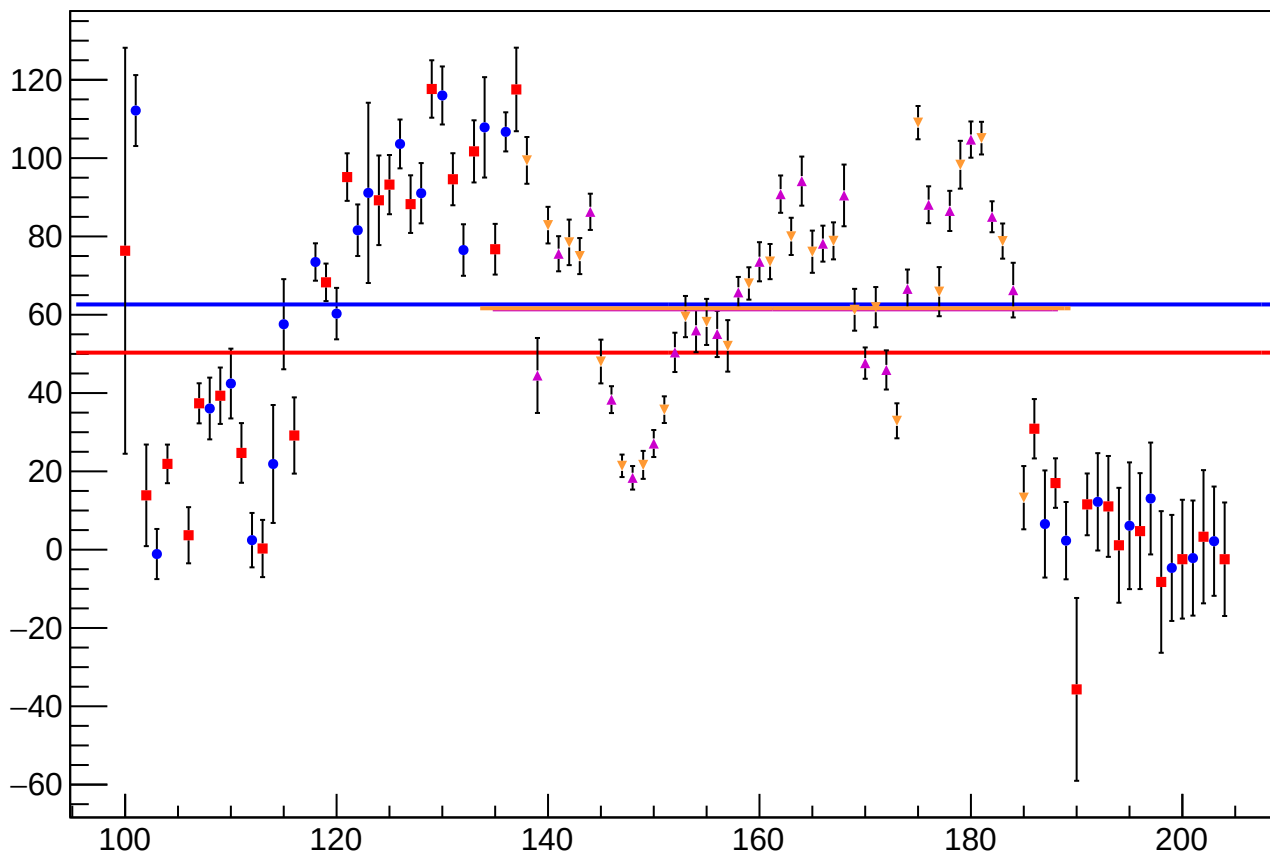
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF:2236.7/22

+ sign 271.060 $\pm$ 0.938 χ^2 /NDF: 8845.9/49

All: 275.606 $\pm$ 0.635 χ^2 /NDF: 23716.8/102

- sign 279.457 $\pm$ 0.863 χ^2 /NDF: 14827.4/52

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 62.631+/-1.653 χ^2/NDF : 604.3/24

Left Out: 61.647+/-0.936 χ^2/NDF : 871.5/24

Right Out: 50.323+/-1.465 χ^2/NDF : 666.6/29

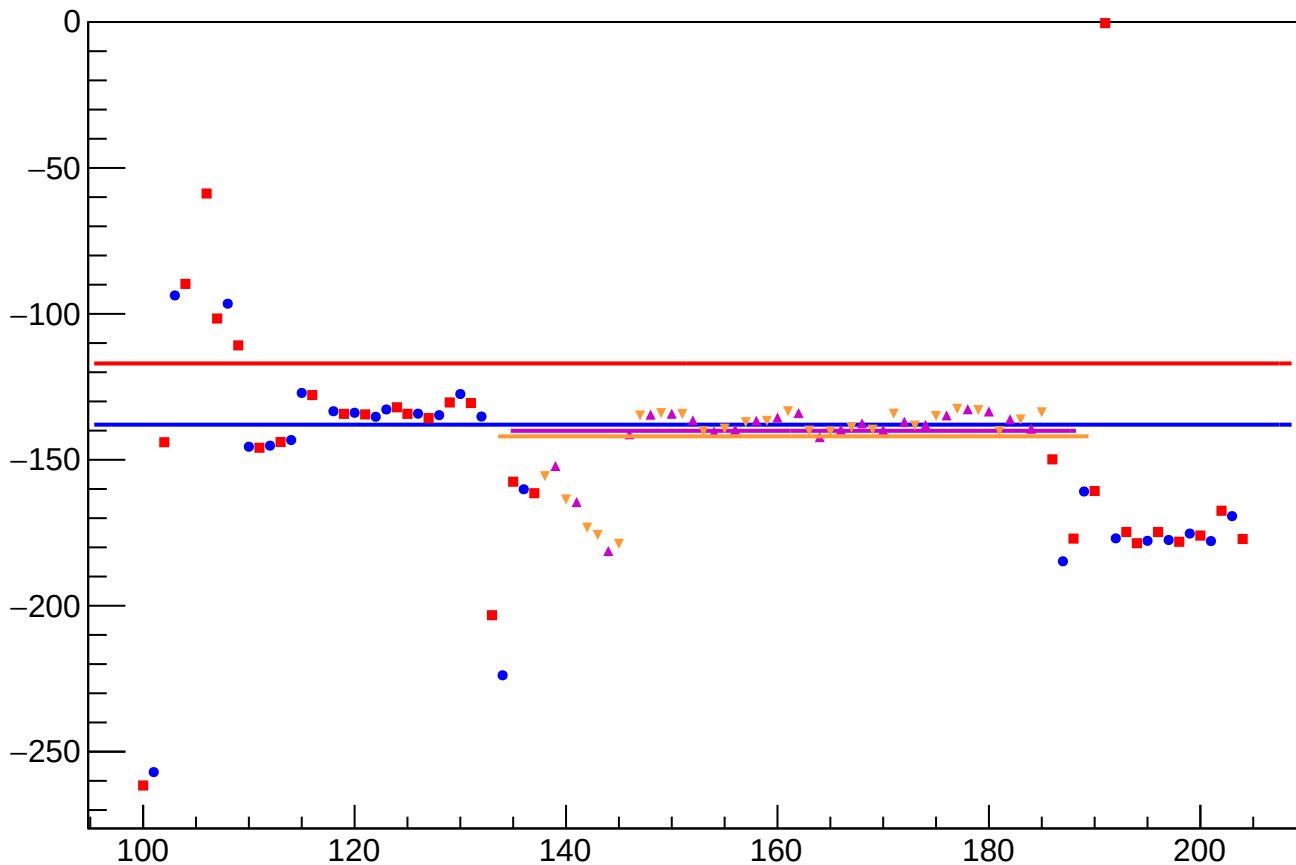
Left In: 61.375+/-0.961 χ^2/NDF : 699.7/22

+ sign 61.886+/-0.815 χ^2/NDF : 1476.1/49

All: 59.942+/-0.572 χ^2/NDF : 2893.4/102

- sign 58.050+/-0.804 χ^2/NDF : 1406.1/52

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -137.960 ± 0.079 $\chi^2/\text{NDF}: 232588.5/24$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -116.988 ± 0.069 $\chi^2/\text{NDF}: 606804.1/29$

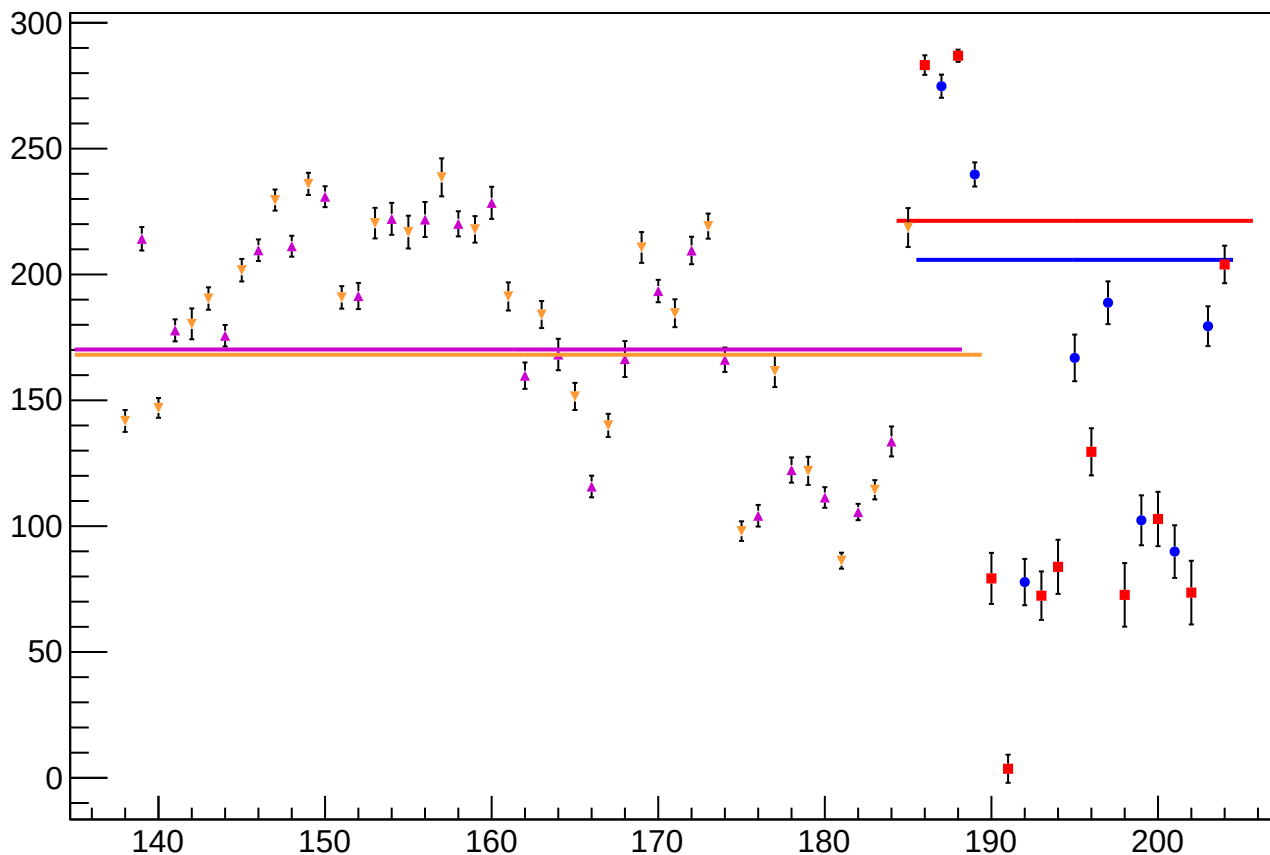
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -140.994 ± 0.039 $\chi^2/\text{NDF}: 314797.6/49$

All: -136.926 ± 0.027 $\chi^2/\text{NDF}: 1070011.8/10$

- sign -133.119 ± 0.038 $\chi^2/\text{NDF}: 734031.6/52$

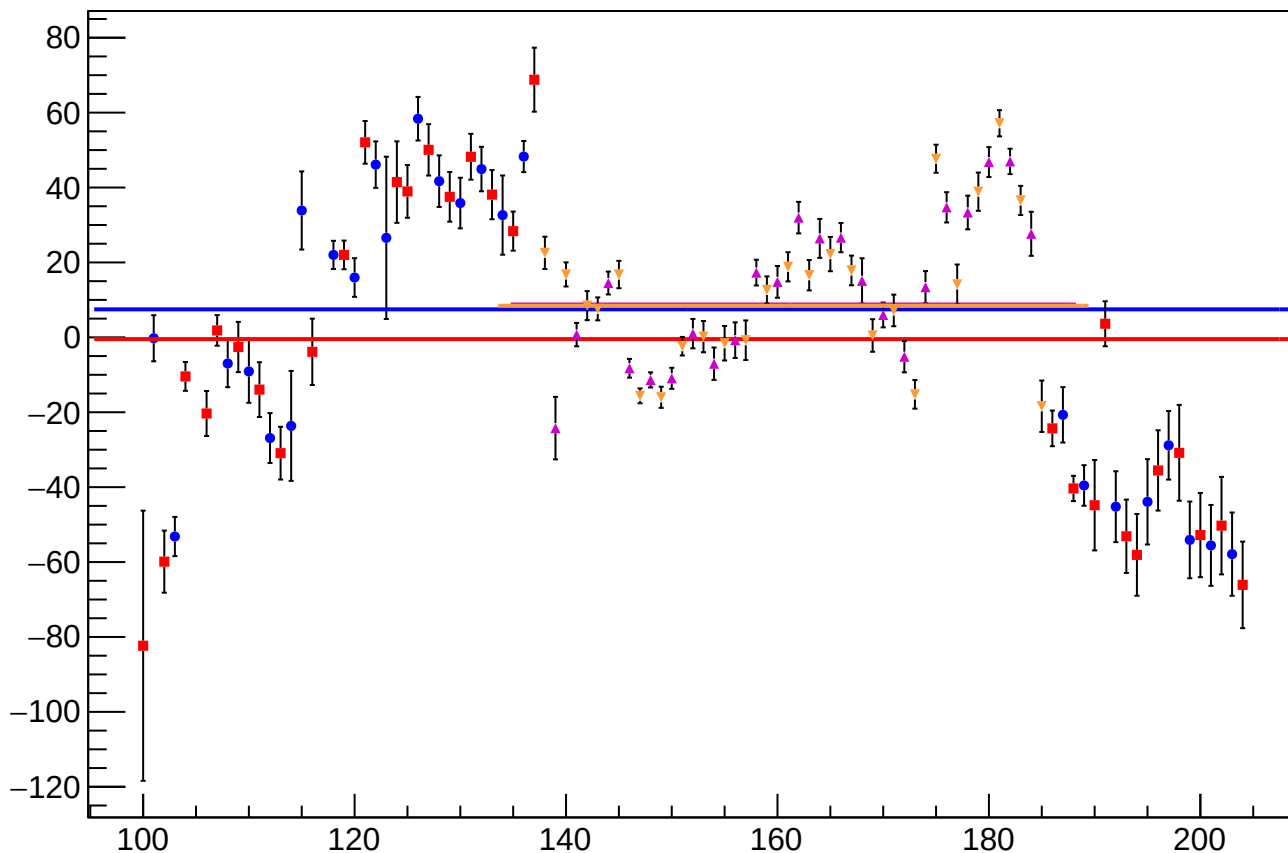
reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 205.814 $\pm$ 2.476 χ^2/NDF : 732.4/7
 Left Out: 168.106 $\pm$ 0.970 χ^2/NDF :2468.8/24
 Right Out: 221.324 $\pm$ 1.690 χ^2/NDF : 3609.1/10
 Left In: 170.198 $\pm$ 0.995 χ^2/NDF :2024.5/22

+ sign 173.127 $\pm$ 0.903 χ^2/NDF : 3402.3/32
 All: 178.510 $\pm$ 0.622 χ^2/NDF : 9782.8/66
 - sign 183.363 $\pm$ 0.858 χ^2/NDF : 6313.0/33

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.475 ± 1.346 χ^2/NDF : 762.2/24

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: -0.466 ± 1.164 χ^2/NDF : 864.6/29

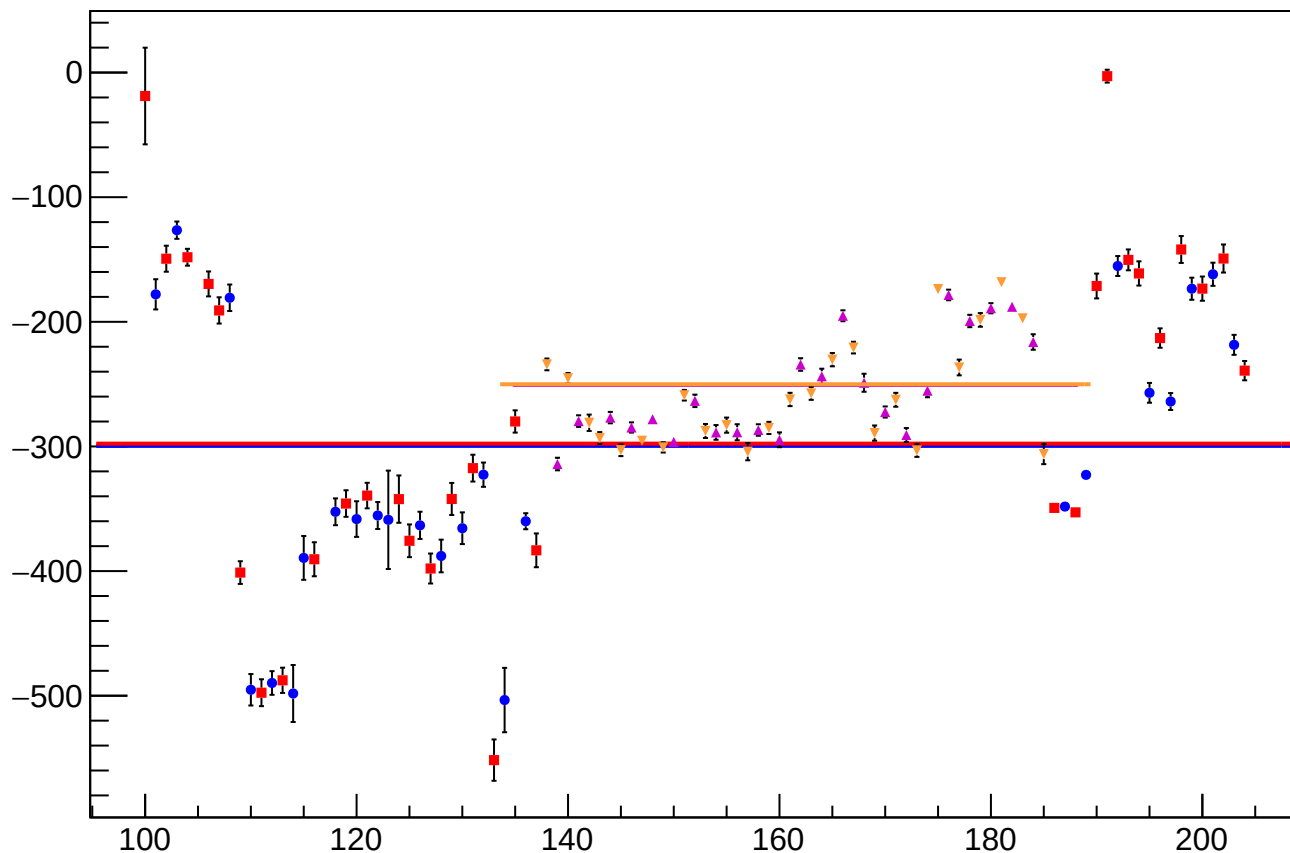
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 8.219 ± 0.640 χ^2/NDF : 1514.7/49

All: 7.109 ± 0.451 χ^2/NDF : 3056.2/102

- sign 6.016 ± 0.635 χ^2/NDF : 1535.6/52

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -299.530 ± 1.656 χ^2/NDF : 3030.0/24

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -297.737 ± 1.230 χ^2/NDF : 8052.0/29

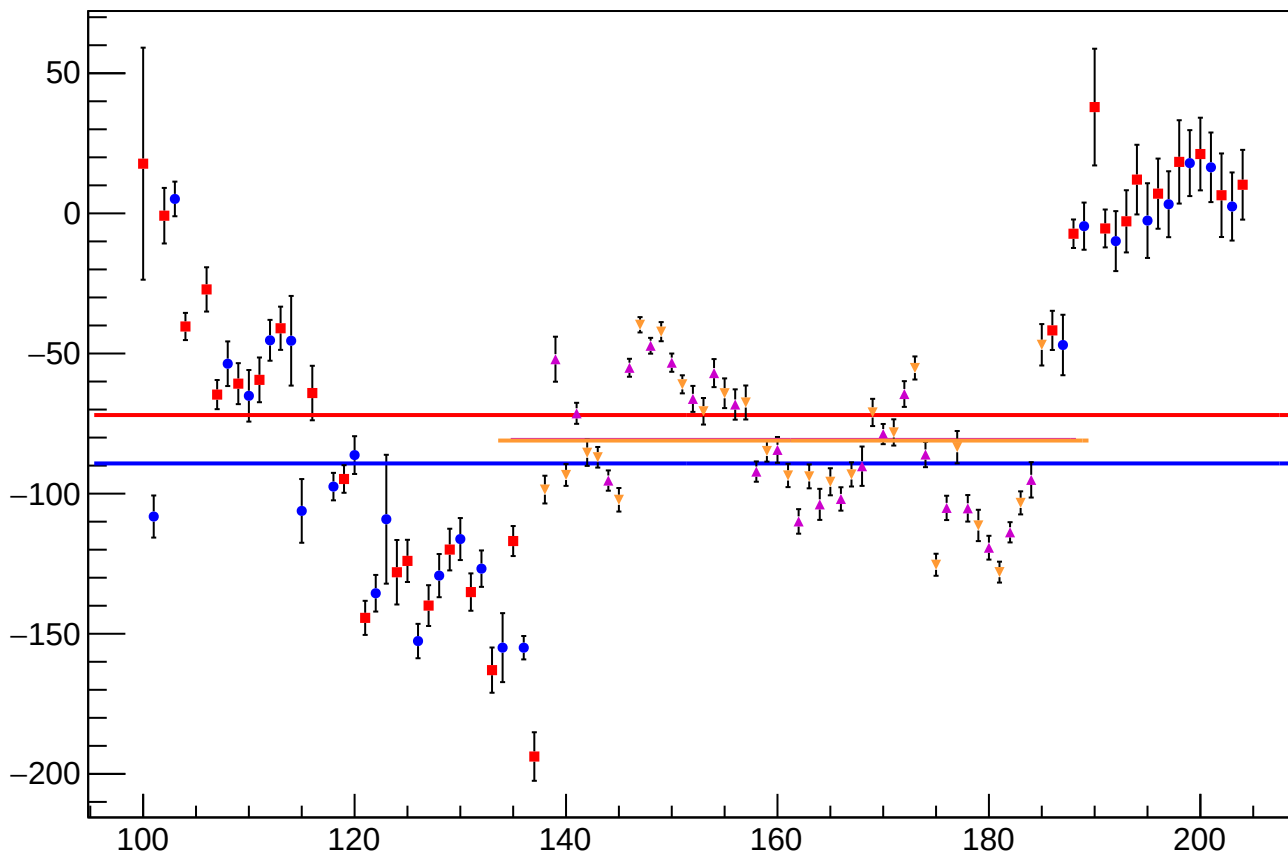
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -262.791 ± 0.838 χ^2/NDF : 5939.2/49

All: -266.234 ± 0.568 χ^2/NDF : 16849.0/102

- sign -269.149 ± 0.772 χ^2/NDF : 10878.6/52

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -89.225 $\pm$ 1.572 χ^2/NDF : 1311.2/24

Left Out: -81.057 $\pm$ 0.843 χ^2/NDF : 913.0/24

Right Out: -71.959 $\pm$ 1.400 χ^2/NDF : 1592.9/29

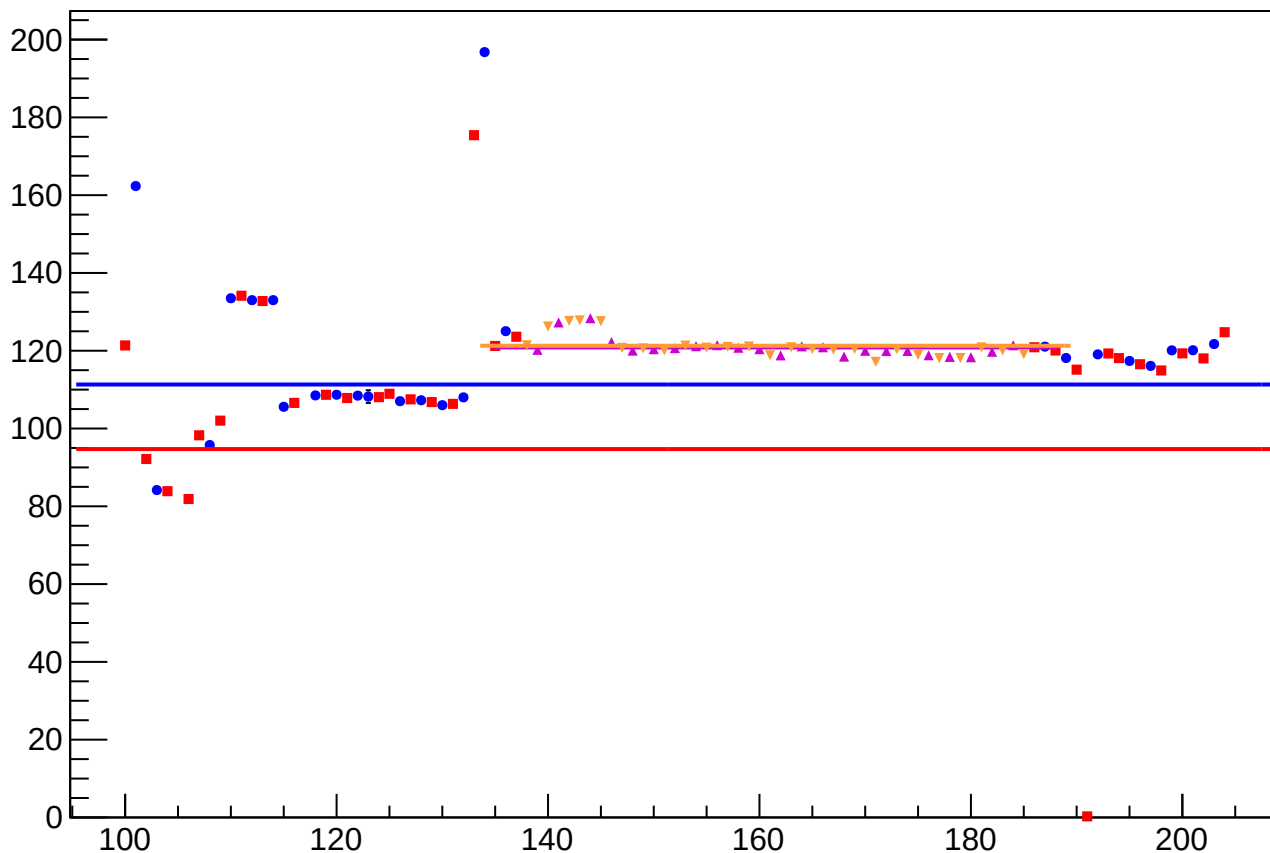
Left In: -80.834 $\pm$ 0.872 χ^2/NDF : 693.1/22

+ sign -82.881 $\pm$ 0.743 χ^2/NDF : 2245.3/49

All: -80.608 $\pm$ 0.524 χ^2/NDF : 4578.9/102

- sign -78.353 $\pm$ 0.740 χ^2/NDF : 2315.0/52

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 111.315 $\pm$ 0.073 χ^2 /NDF: 77632.7/24

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF:4939.3/24

Right Out: 94.717 $\pm$ 0.063 χ^2 /NDF: 359649.8/29

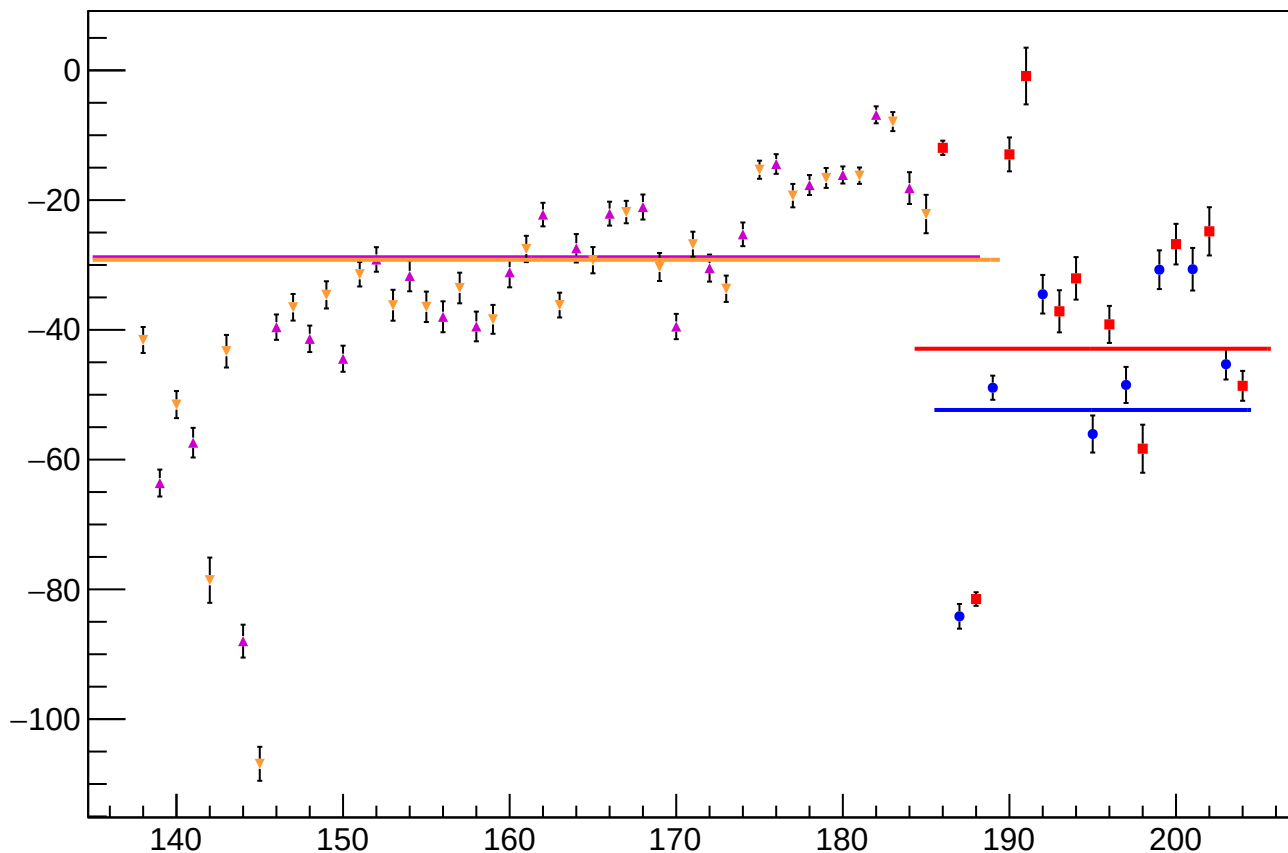
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF:3368.2/22

+ sign 118.962 $\pm$ 0.035 χ^2 /NDF: 96956.5/49

All: 116.001 $\pm$ 0.025 χ^2 /NDF: 594574.6/102

- sign 113.190 $\pm$ 0.034 χ^2 /NDF: 483761.6/52

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -52.347 ± 0.872 $\chi^2/\text{NDF}: 426.5/7$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -42.909 ± 0.610 $\chi^2/\text{NDF}: 2461.1/10$

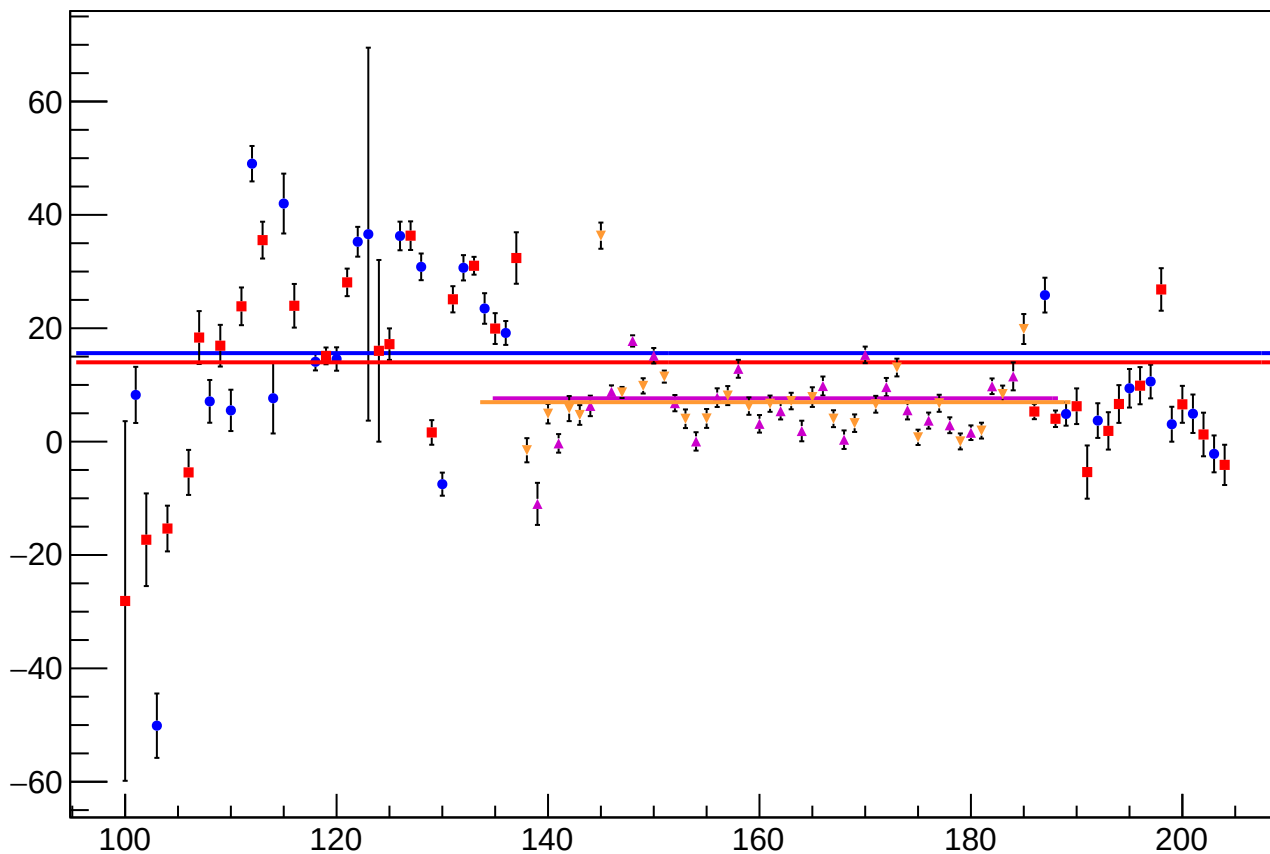
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -33.032 ± 0.355 $\chi^2/\text{NDF}: 2895.7/32$

All: -33.002 ± 0.242 $\chi^2/\text{NDF}: 7496.5/66$

- sign -32.976 ± 0.332 $\chi^2/\text{NDF}: 4600.8/33$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.611 $\pm$ 0.553 χ^2 /NDF: 757.7/24

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF: 321.3/24

Right Out: 13.989 $\pm$ 0.490 χ^2 /NDF: 647.7/29

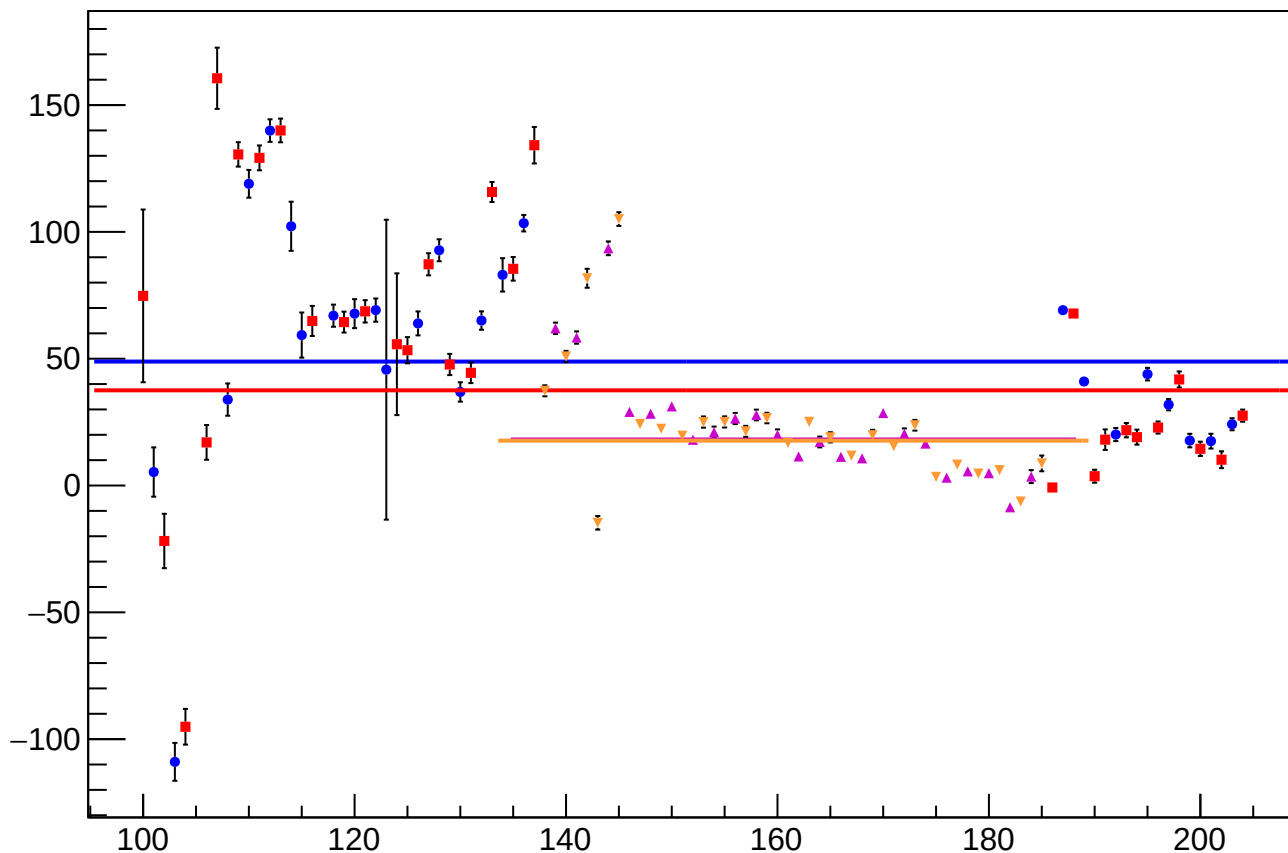
Left In: 7.638 $\pm$ 0.313 χ^2 /NDF: 337.7/22

+ sign 8.958 $\pm$ 0.266 χ^2 /NDF: 1267.3/49

All: 9.223 $\pm$ 0.187 χ^2 /NDF: 2374.1/102

- sign 9.486 $\pm$ 0.264 χ^2 /NDF: 1104.7/52

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 48.872 $\pm$ 0.644 χ^2 /NDF: 2323.0/24

Left Out: 17.705 $\pm$ 0.387 χ^2 /NDF:2432.2/24

Right Out: 37.534 $\pm$ 0.472 χ^2 /NDF: 6292.8/29

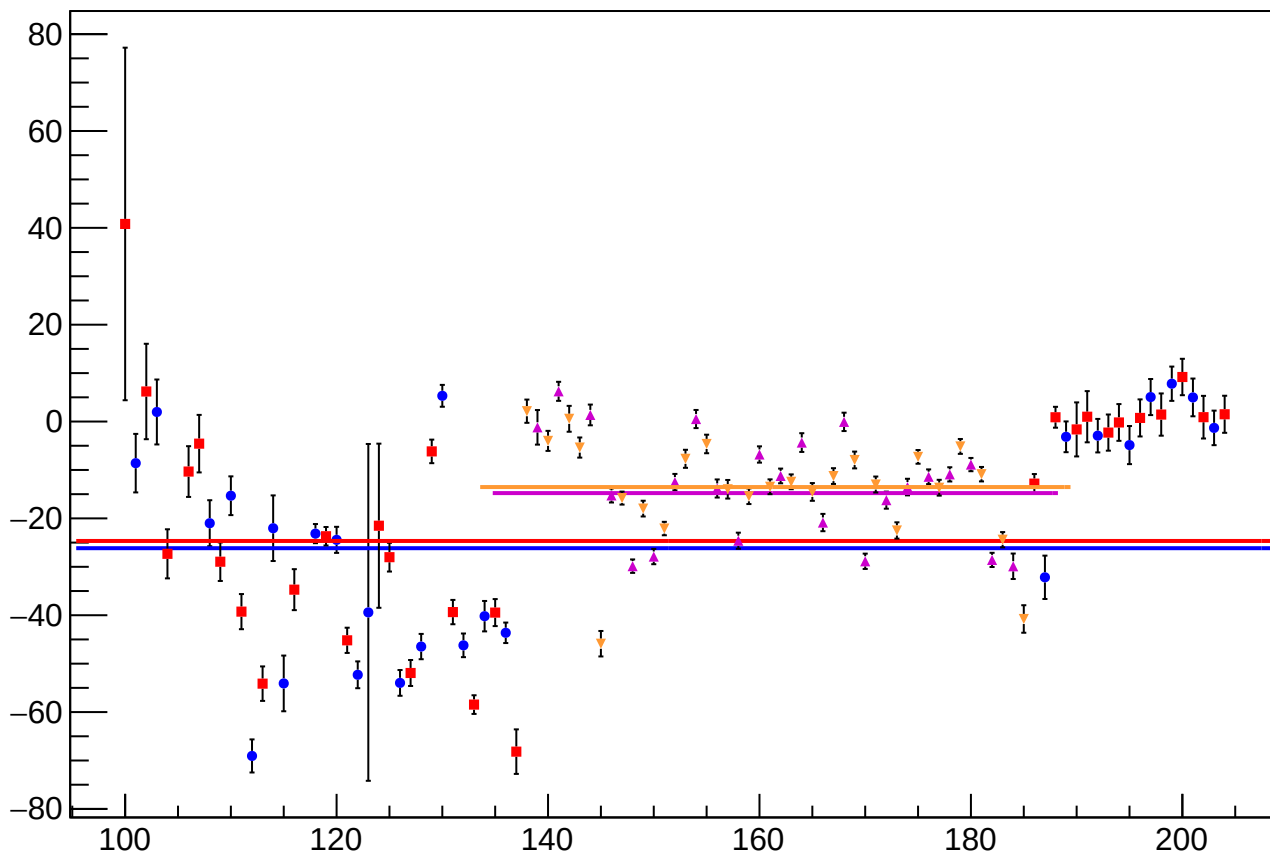
Left In: 18.150 $\pm$ 0.393 χ^2 /NDF:2339.4/22

+ sign 25.977 $\pm$ 0.332 χ^2 /NDF: 6474.6/49

All: 26.030 $\pm$ 0.223 χ^2 /NDF: 16103.4/102

- sign 26.073 $\pm$ 0.302 χ^2 /NDF: 9628.7/52

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -26.157 ± 0.647 $\chi^2/\text{NDF}: 1231.3/24$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -24.663 ± 0.594 $\chi^2/\text{NDF}: 1343.9/29$

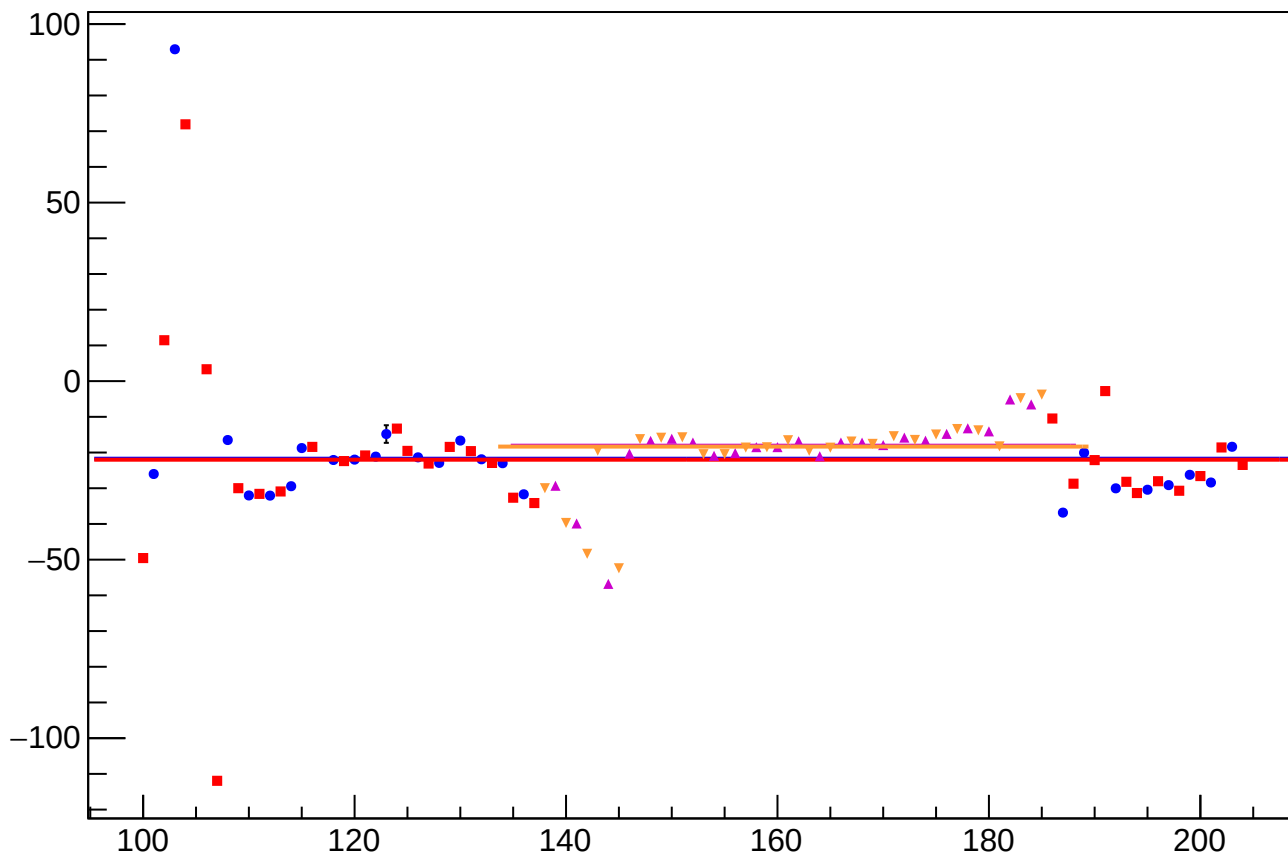
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -16.314 ± 0.304 $\chi^2/\text{NDF}: 2101.0/49$

All: -16.840 ± 0.215 $\chi^2/\text{NDF}: 4493.1/102$

- sign -17.368 ± 0.304 $\chi^2/\text{NDF}: 2386.0/52$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.729 ± 0.031 χ^2/NDF : 513257.9/24

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -22.005 ± 0.029 χ^2/NDF : 486484.6/29

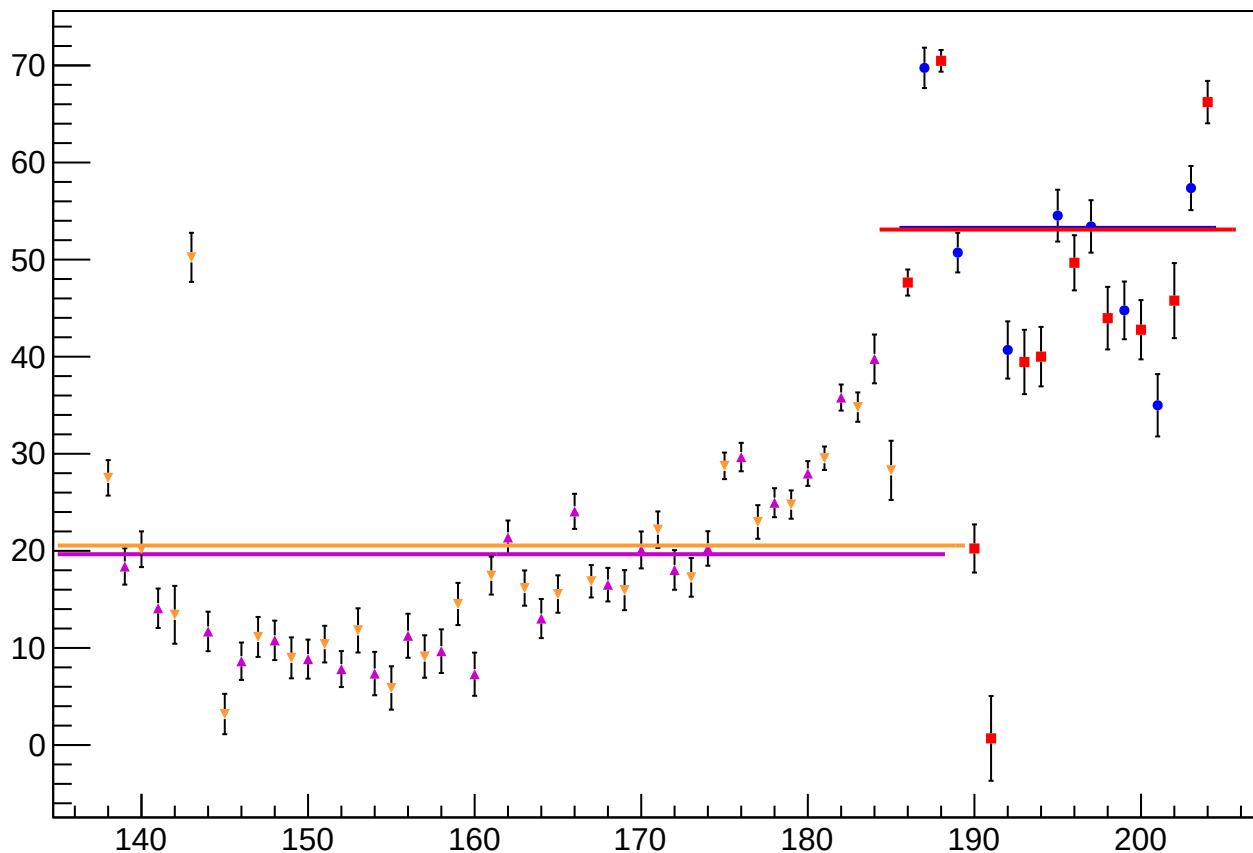
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -19.027 ± 0.014 χ^2/NDF : 806789.6/49

All: -19.013 ± 0.010 χ^2/NDF : 1549105.4/102

- sign -18.999 ± 0.014 χ^2/NDF : 742313.8/52

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 53.267 ± 0.888 $\chi^2/\text{NDF}: 126.5/7$

Left Out: 20.550 ± 0.373 $\chi^2/\text{NDF}: 626.4/24$

Right Out: 53.095 ± 0.649 $\chi^2/\text{NDF}: 673.3/10$

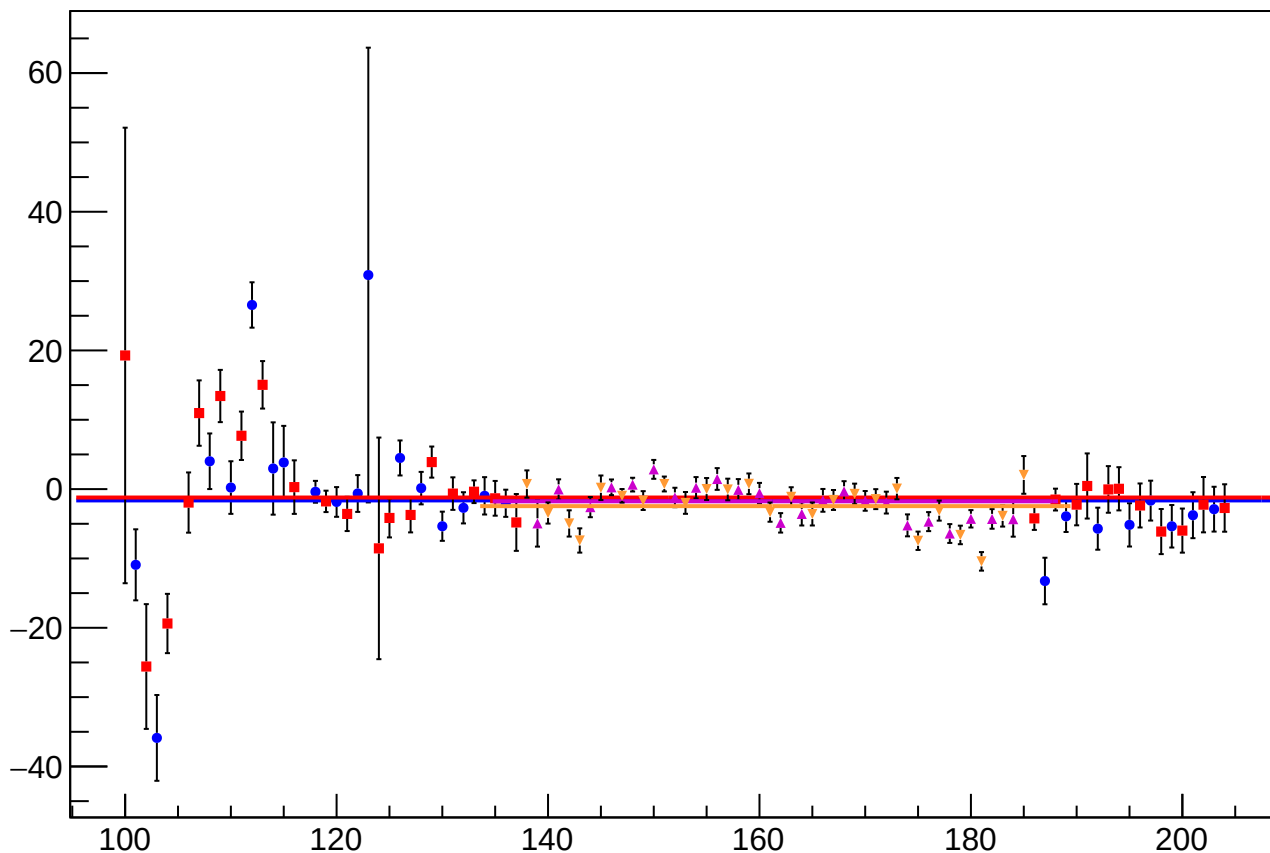
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 25.454 ± 0.344 $\chi^2/\text{NDF}: 1905.7/32$

All: 26.890 ± 0.237 $\chi^2/\text{NDF}: 5158.1/66$

- sign 28.198 ± 0.328 $\chi^2/\text{NDF}: 3219.1/33$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.631 ± 0.560 χ^2/NDF : 141.7/24

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.213 ± 0.508 χ^2/NDF : 95.2/29

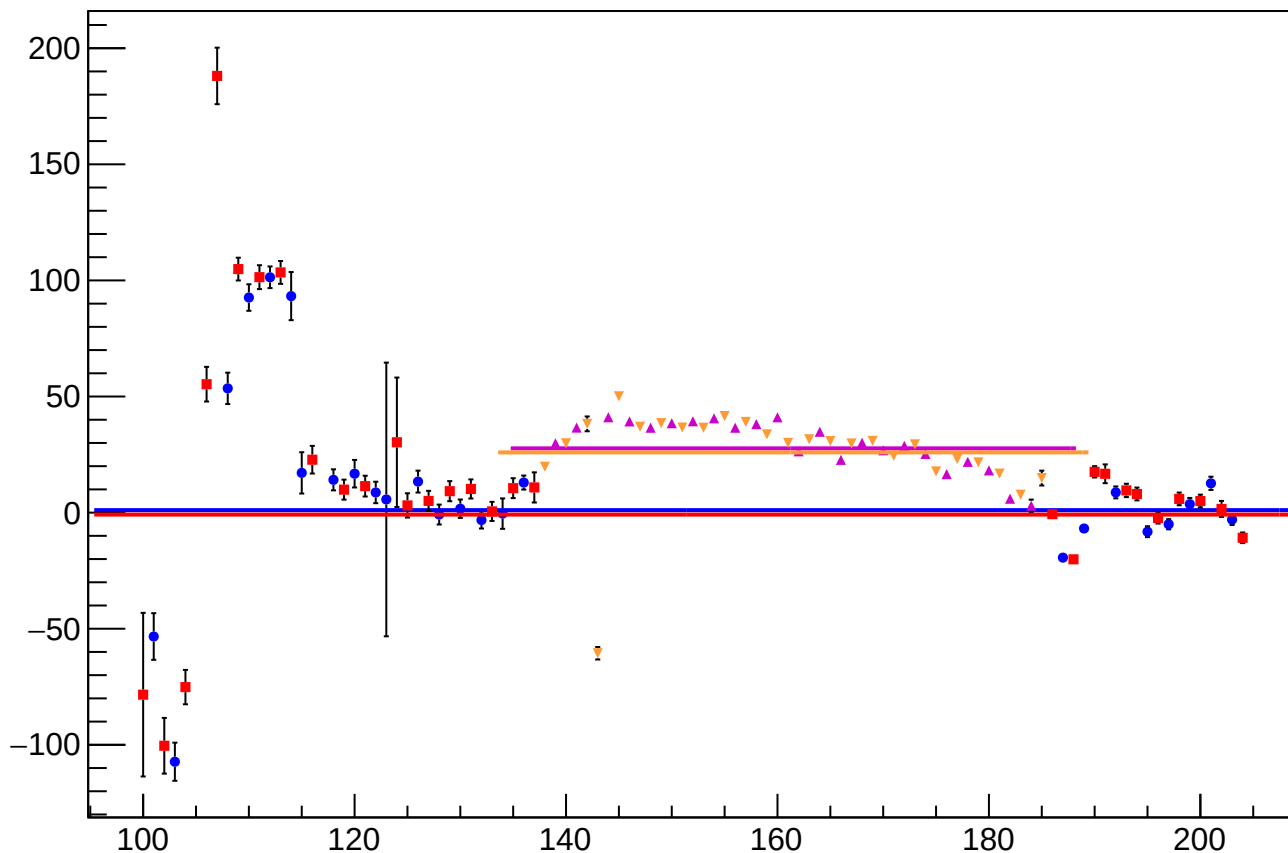
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.278 ± 0.259 χ^2/NDF : 249.4/49

All: -1.948 ± 0.183 χ^2/NDF : 416.1/102

- sign -1.616 ± 0.260 χ^2/NDF : 163.4/52

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 1.071 ± 0.658 $\chi^2/\text{NDF}: 1324.2/24$

Left Out: 25.938 ± 0.372 $\chi^2/\text{NDF}: 1711.6/24$

Right Out: -0.846 ± 0.504 $\chi^2/\text{NDF}: 2423.7/29$

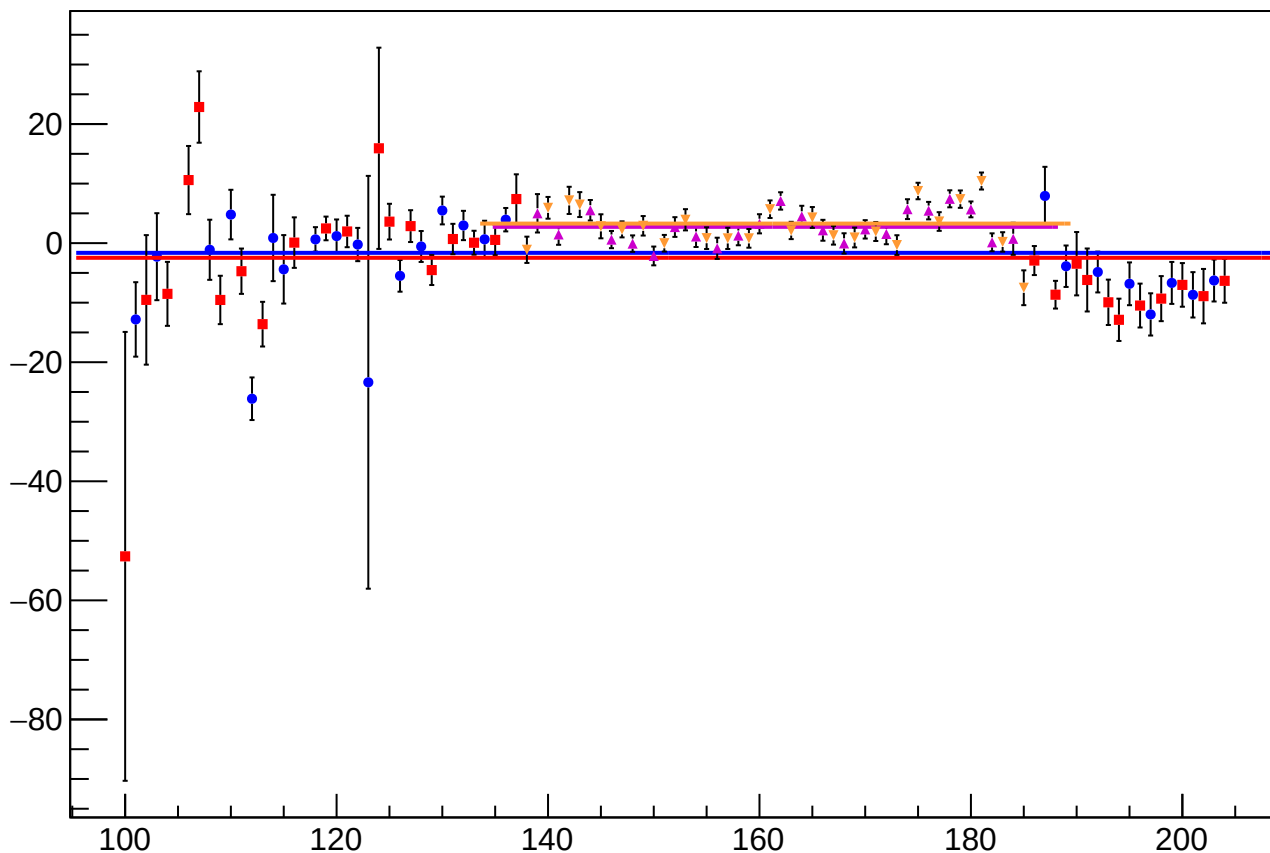
Left In: 27.677 ± 0.378 $\chi^2/\text{NDF}: 803.9/22$

+ sign 19.913 ± 0.324 $\chi^2/\text{NDF}: 4116.5/49$

All: 18.569 ± 0.221 $\chi^2/\text{NDF}: 9425.6/102$

- sign 17.399 ± 0.302 $\chi^2/\text{NDF}: 5276.9/52$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.630 ± 0.651 χ^2/NDF : 102.3/24

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.462 ± 0.610 χ^2/NDF : 100.8/29

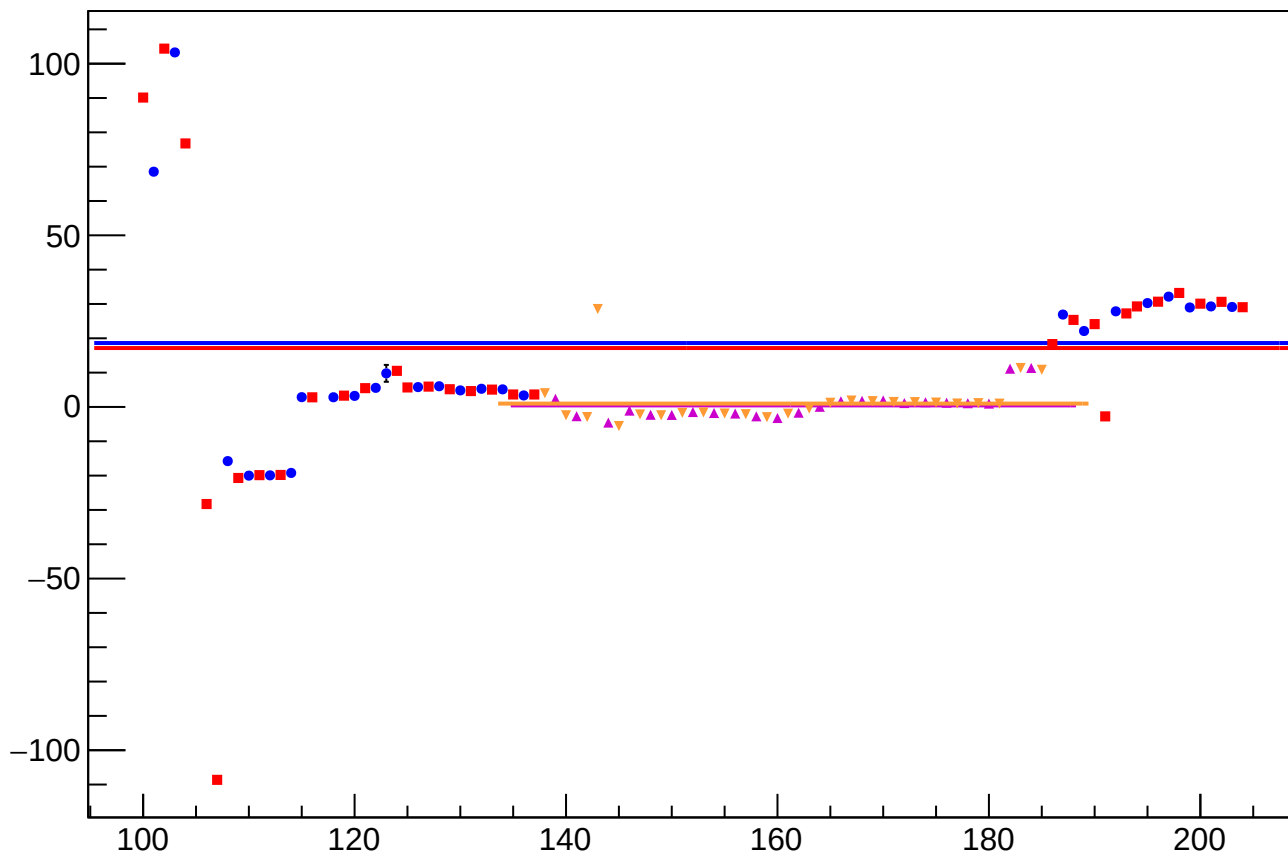
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.272 ± 0.295 χ^2/NDF : 249.8/49

All: 1.888 ± 0.210 χ^2/NDF : 473.9/102

- sign 1.498 ± 0.298 χ^2/NDF : 220.7/52

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 18.620 $\pm$ 0.031 χ^2 /NDF: 477943.2/24

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 17.162 $\pm$ 0.029 χ^2 /NDF: 712285.1/29

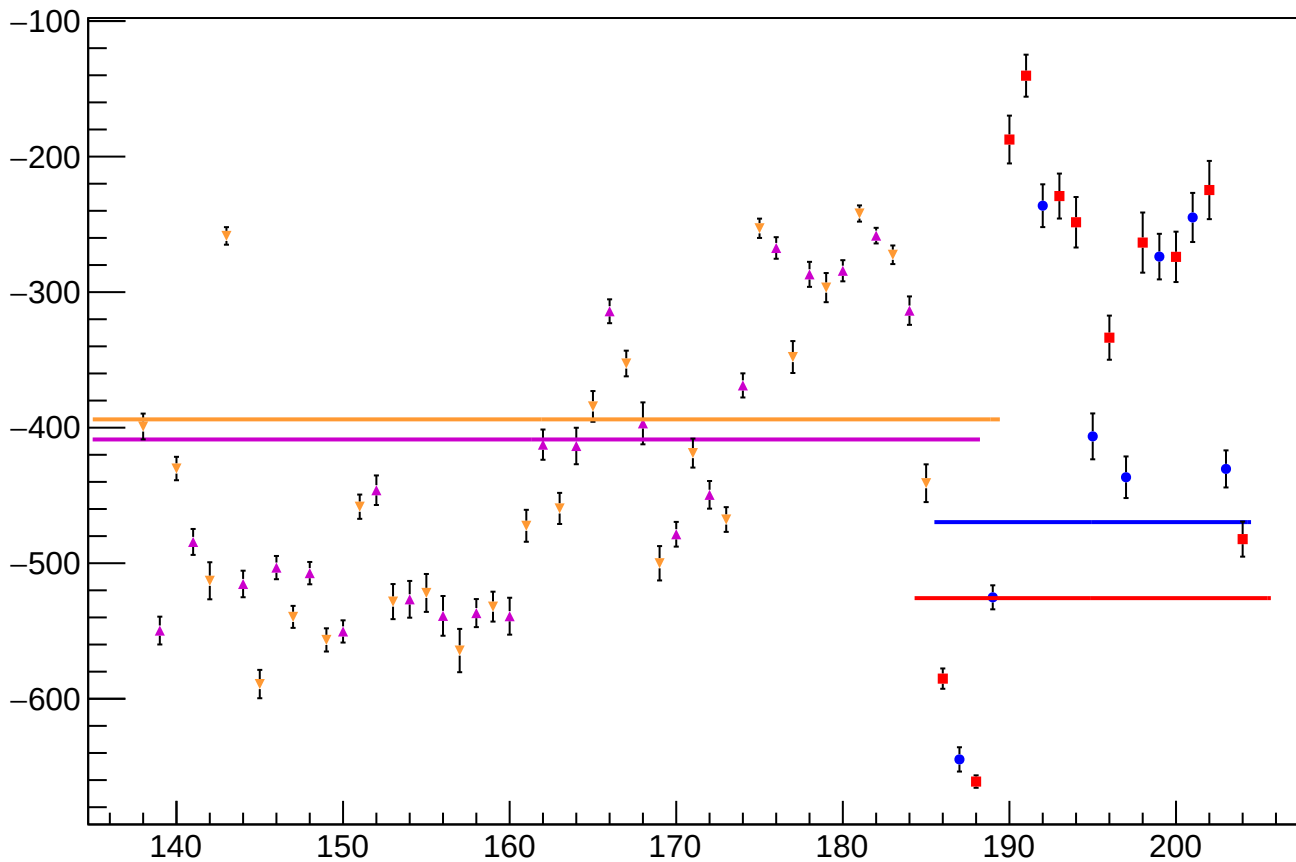
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 4.400 $\pm$ 0.014 χ^2 /NDF: 856853.6/49

All: 4.260 $\pm$ 0.010 χ^2 /NDF: 1877507.6/102

- sign 4.120 $\pm$ 0.014 χ^2 /NDF: 1020443.0/52

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -469.676+/-4.525 χ^2/NDF : 955.6/7

Left Out: -393.871+/-1.897 χ^2/NDF : 3772.8/24

Right Out: -525.758+/-3.229 χ^2/NDF : 3129.0/10

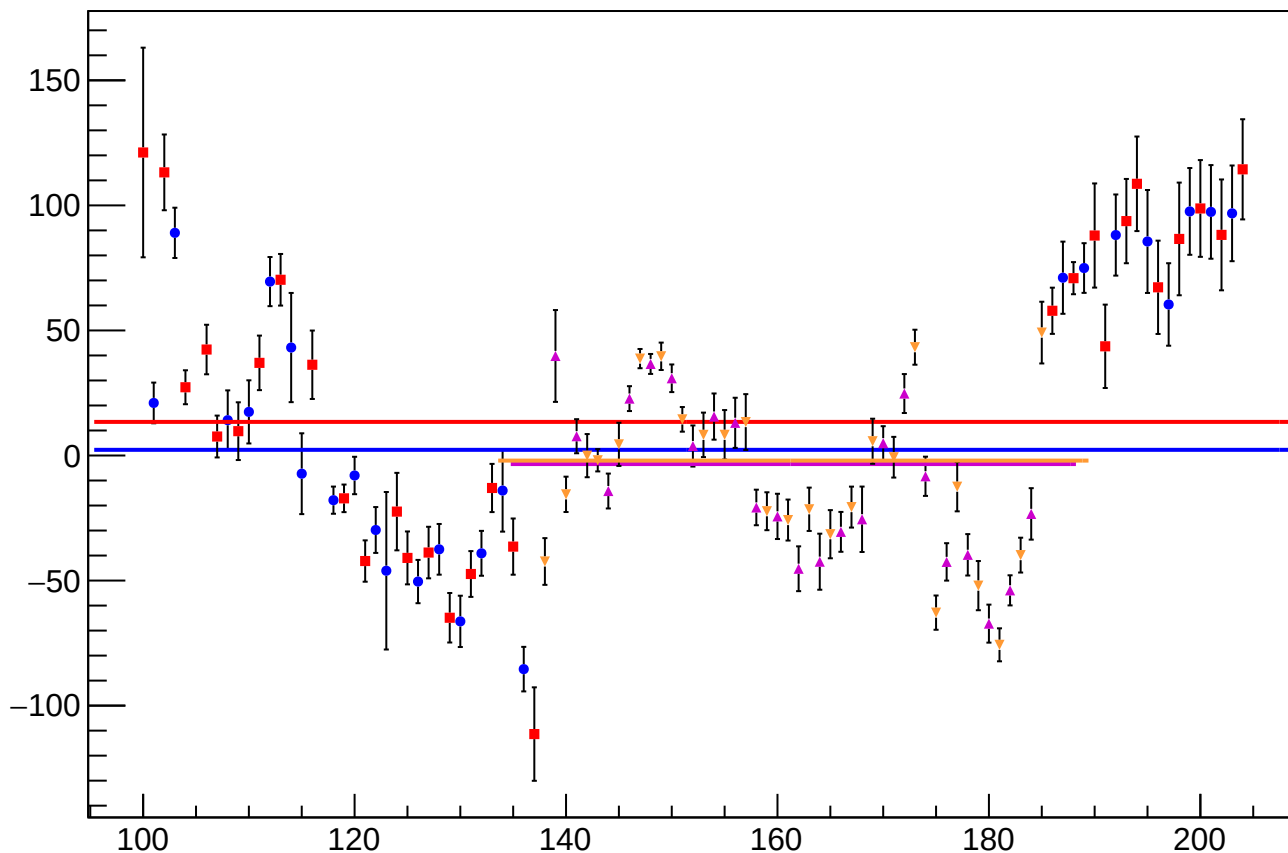
Left In: -408.696+/-1.979 χ^2/NDF : 3062.9/22

+ sign -405.205+/-1.749 χ^2/NDF : 4967.2/32

All: -423.574+/-1.214 χ^2/NDF : 12327.2/66

- sign -440.661+/-1.687 χ^2/NDF : 7147.3/33

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 2.269 ± 2.160 χ^2/NDF : 593.1/24

Left Out: -2.037 ± 1.424 χ^2/NDF : 563.8/24

Right Out: 13.439 ± 1.977 χ^2/NDF : 655.7/29

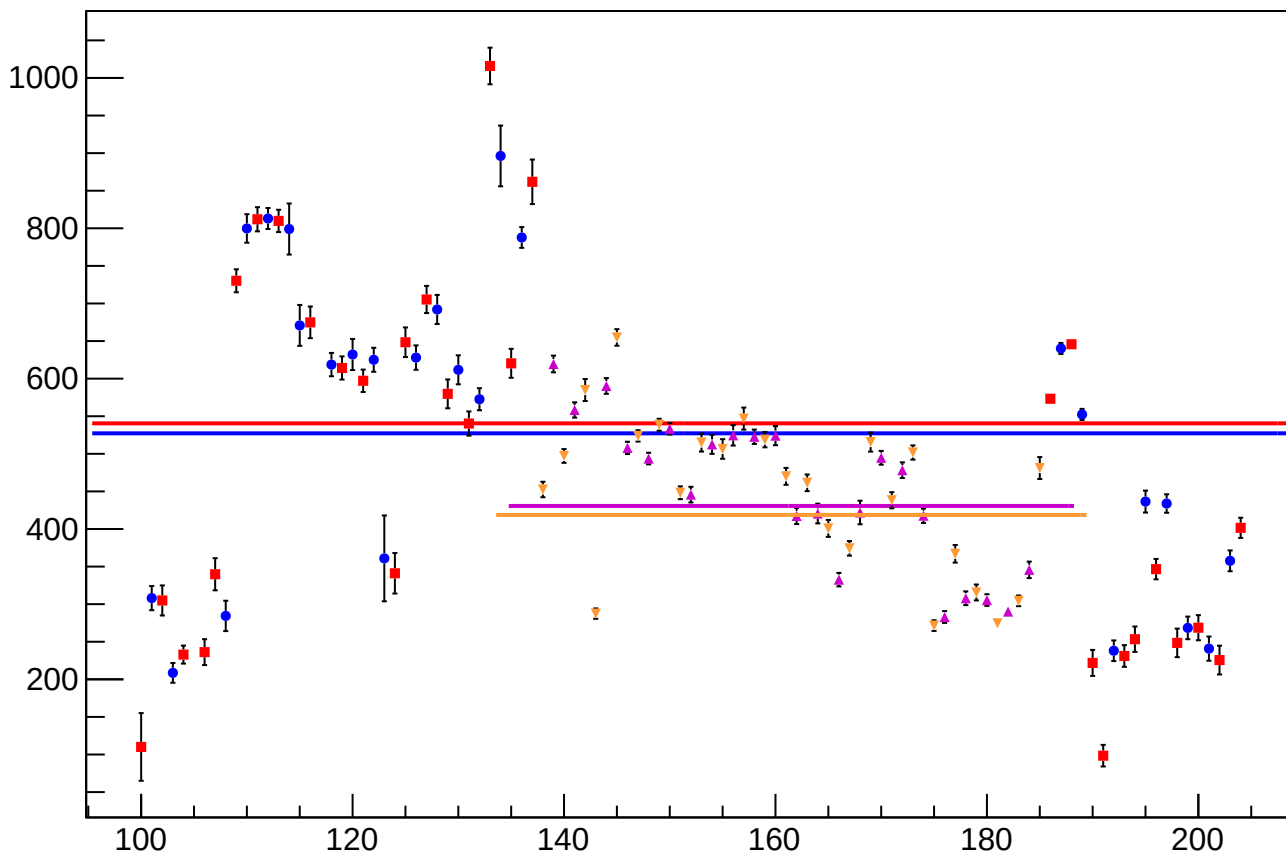
Left In: -3.420 ± 1.520 χ^2/NDF : 451.0/22

+ sign -0.732 ± 1.189 χ^2/NDF : 1159.6/49

All: 1.031 ± 0.846 χ^2/NDF : 2316.4/102

- sign 2.842 ± 1.205 χ^2/NDF : 1152.3/52

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 527.245 ± 2.894 χ^2/NDF : 3869.2/24

Left Out: 418.680 ± 1.905 χ^2/NDF : 3296.5/24

Right Out: 540.538 ± 2.258 χ^2/NDF : 6787.5/29

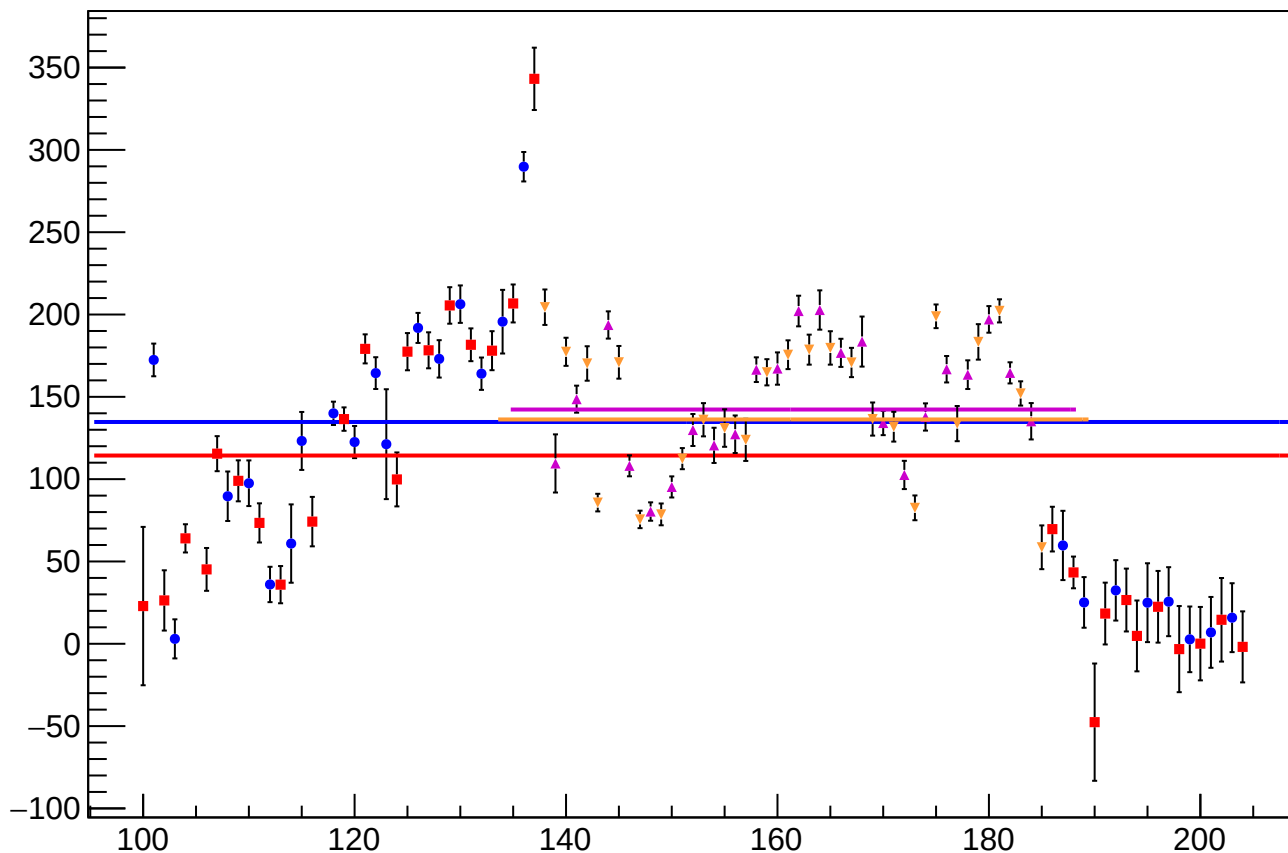
Left In: 430.640 ± 1.971 χ^2/NDF : 2850.6/22

+ sign 451.504 ± 1.591 χ^2/NDF : 8147.8/49

All: 465.755 ± 1.085 χ^2/NDF : 19280.7/102

- sign 478.164 ± 1.485 χ^2/NDF : 10982.9/52

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 134.725 ± 2.531 $\chi^2/\text{NDF}: 923.9/24$

Left Out: 136.258 ± 1.651 $\chi^2/\text{NDF}: 758.3/24$

Right Out: 114.348 ± 2.359 $\chi^2/\text{NDF}: 907.8/29$

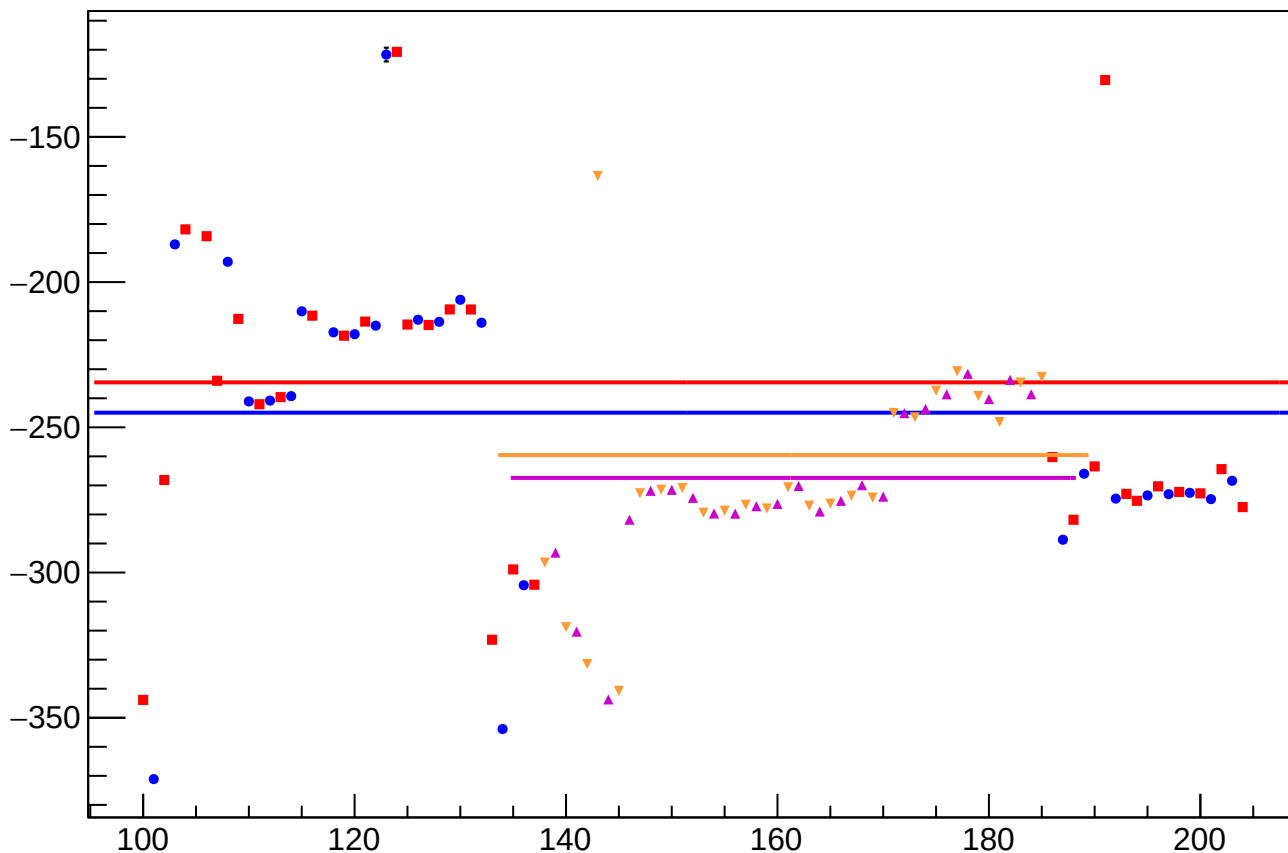
Left In: 142.296 ± 1.745 $\chi^2/\text{NDF}: 459.8/22$

+ sign 135.801 ± 1.383 $\chi^2/\text{NDF}: 1682.4/49$

All: 134.131 ± 0.985 $\chi^2/\text{NDF}: 3143.7/102$

- sign 132.414 ± 1.403 $\chi^2/\text{NDF}: 1458.3/52$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -244.961 ± 0.127 $\chi^2/\text{NDF}: 163329.1/24$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -234.524 ± 0.116 $\chi^2/\text{NDF}: 174081.8/29$

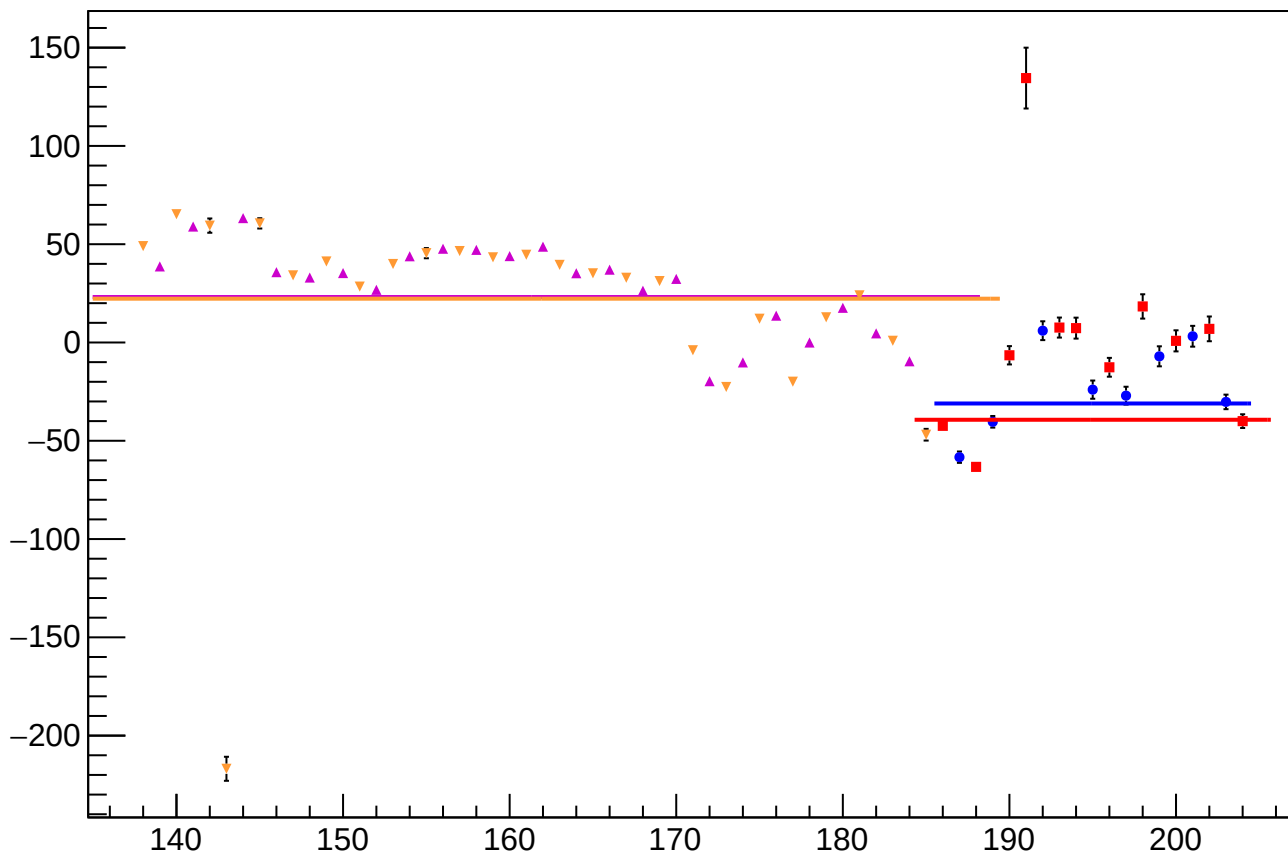
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -255.494 ± 0.067 $\chi^2/\text{NDF}: 411043.7/49$

All: -256.015 ± 0.047 $\chi^2/\text{NDF}: 736968.8/102$

- sign -256.530 ± 0.067 $\chi^2/\text{NDF}: 325805.6/52$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -31.032 ± 1.386 χ^2/NDF : 226.2/7

Left Out: 22.279 ± 0.399 χ^2/NDF : 5171.0/24

Right Out: -39.314 ± 0.965 χ^2/NDF : 804.0/10

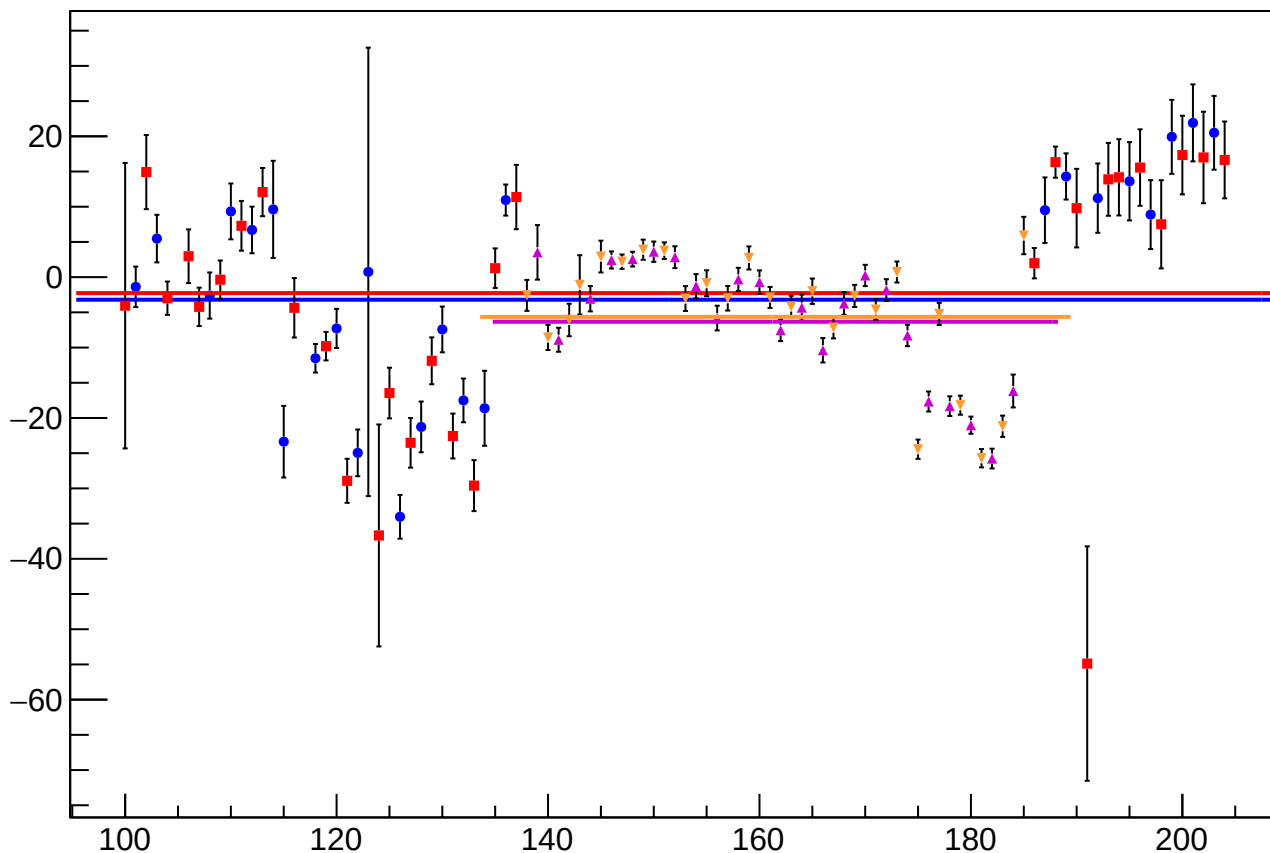
Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 18.205 ± 0.383 χ^2/NDF : 6763.2/32

All: 15.990 ± 0.266 χ^2/NDF : 13948.1/66

- sign 13.919 ± 0.371 χ^2/NDF : 7120.3/33

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -3.205 ± 0.714 $\chi^2/\text{NDF}: 423.8/24$

Left Out: -5.642 ± 0.316 $\chi^2/\text{NDF}: 893.7/24$

Right Out: -2.264 ± 0.646 $\chi^2/\text{NDF}: 453.2/29$

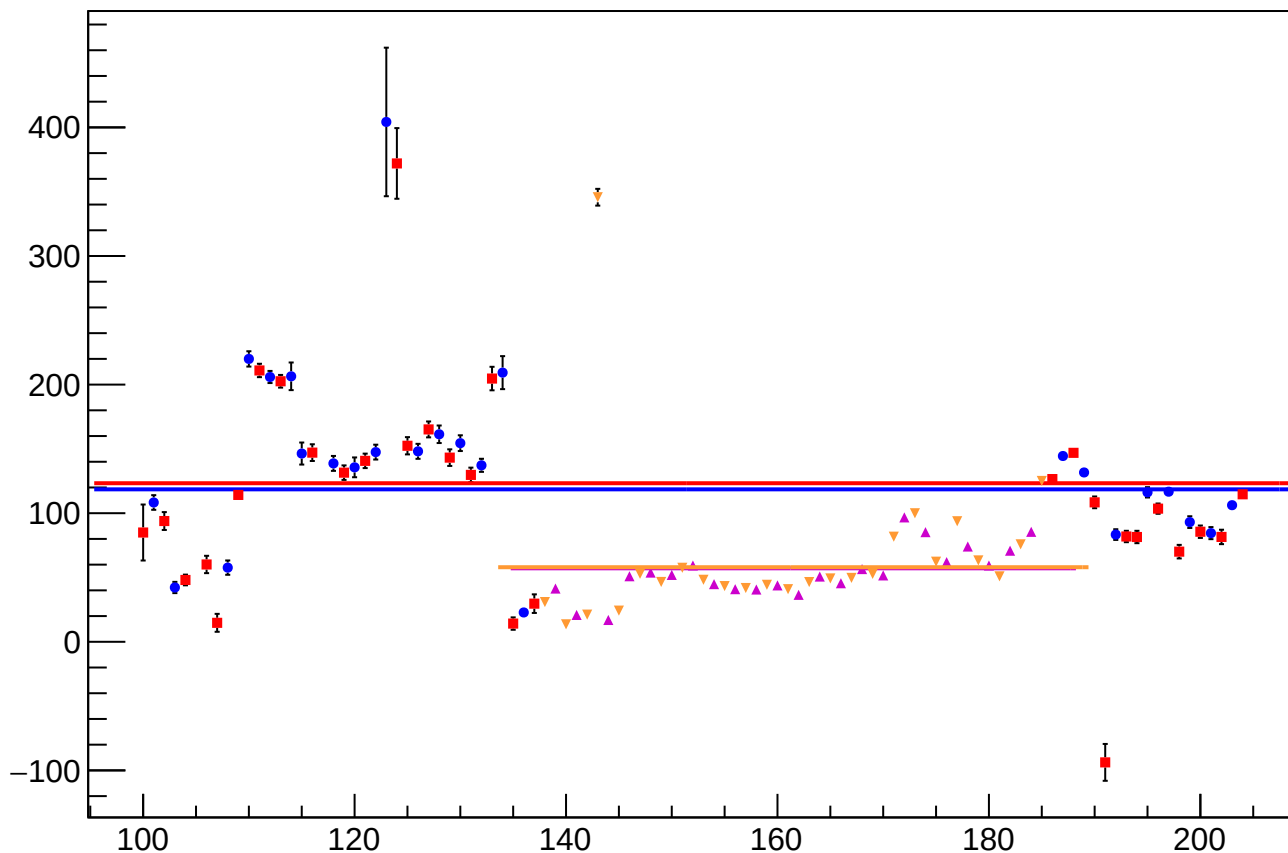
Left In: -6.337 ± 0.321 $\chi^2/\text{NDF}: 783.0/22$

+ sign -5.244 ± 0.289 $\chi^2/\text{NDF}: 1327.3/49$

All: -5.387 ± 0.204 $\chi^2/\text{NDF}: 2595.8/102$

- sign -5.529 ± 0.288 $\chi^2/\text{NDF}: 1268.1/52$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 118.547 $\pm$ 0.916 χ^2/NDF : 2473.5/24

Left Out: 57.990 $\pm$ 0.398 χ^2/NDF :4635.7/24

Right Out: 123.302 $\pm$ 0.694 χ^2/NDF : 3178.3/29

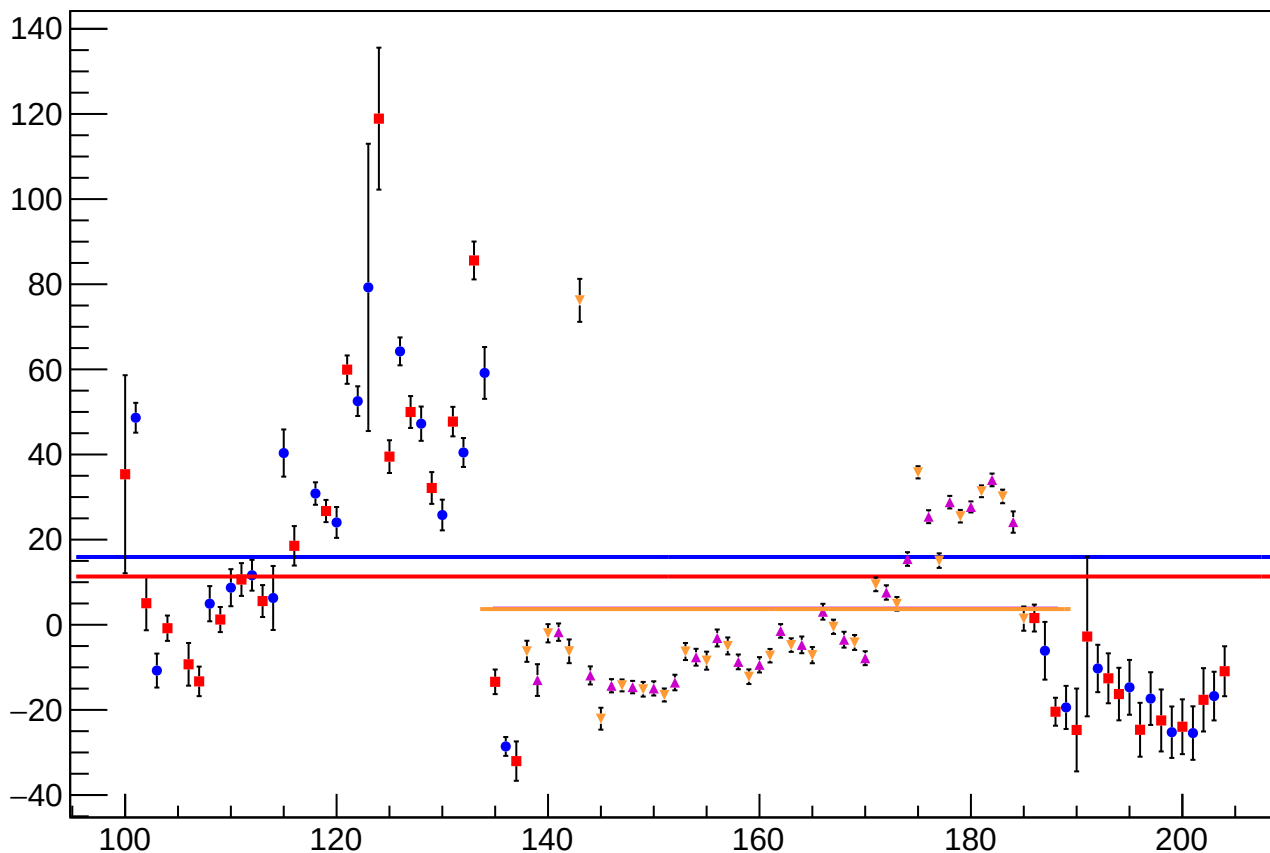
Left In: 57.139 $\pm$ 0.400 χ^2/NDF :1803.4/22

+ sign 67.613 $\pm$ 0.365 χ^2/NDF : 10789.2/49

All: 70.769 $\pm$ 0.251 χ^2/NDF : 22739.2/102

- sign 73.610 $\pm$ 0.346 χ^2/NDF : 11808.0/52

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 15.919 $\pm$ 0.828 χ^2 /NDF: 1361.7/24

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF:2541.7/24

Right Out: 11.333 $\pm$ 0.769 χ^2 /NDF: 1399.8/29

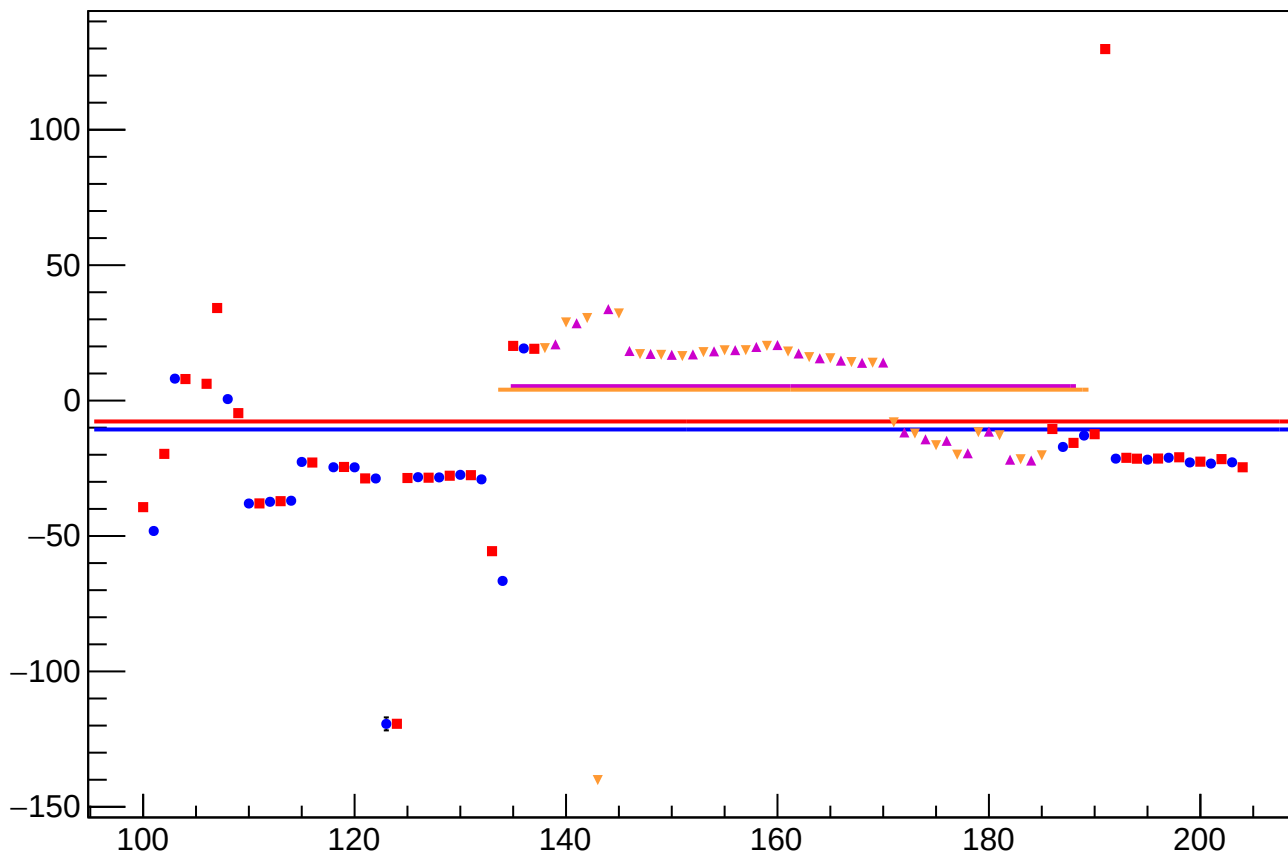
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF:2198.8/22

+ sign 5.602 $\pm$ 0.328 χ^2 /NDF: 4087.7/49

All: 5.377 $\pm$ 0.232 χ^2 /NDF: 7766.1/102

- sign 5.153 $\pm$ 0.327 χ^2 /NDF: 3677.4/52

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -10.665 ± 0.039 χ^2/NDF : 295929.1/24

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -7.710 ± 0.037 χ^2/NDF : 385724.8/29

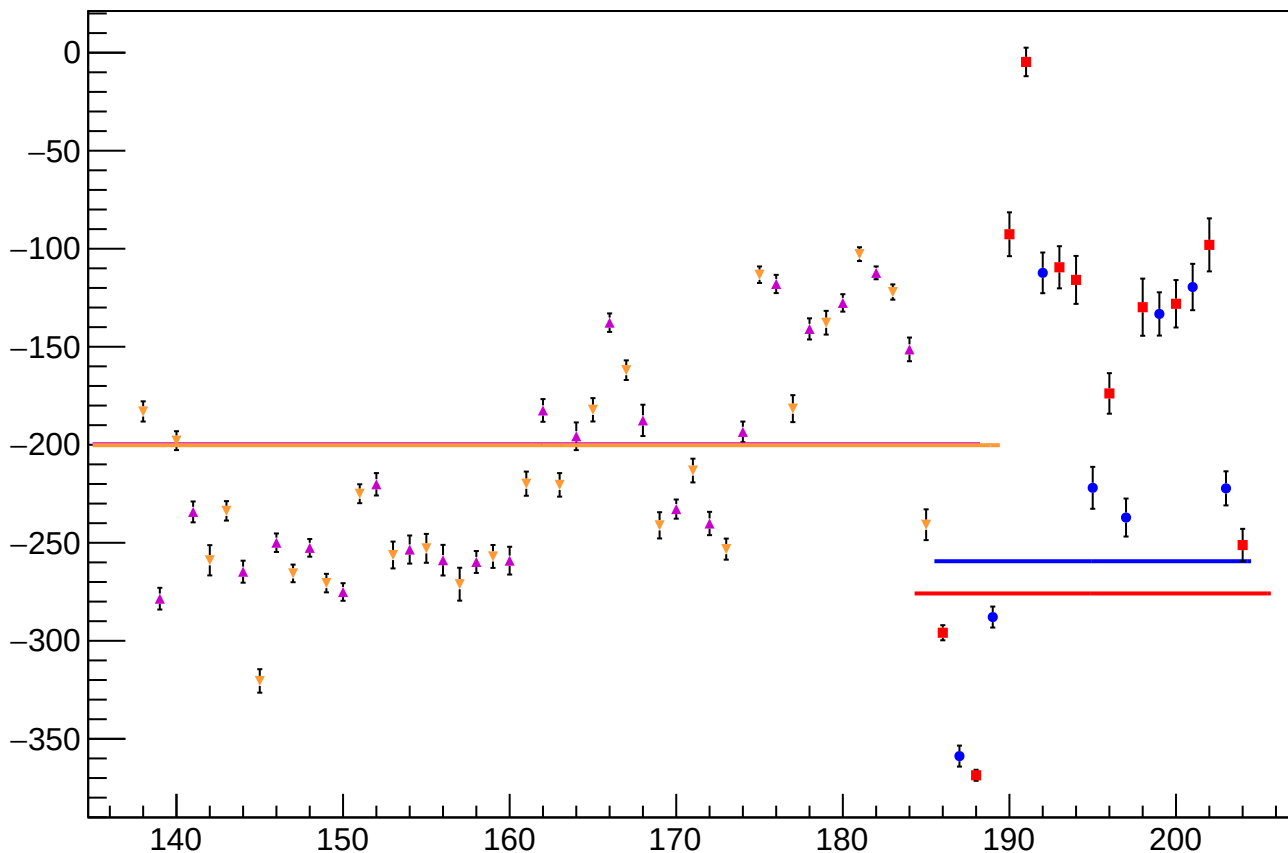
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.823 ± 0.015 χ^2/NDF : 1799910.2/49

All: 2.517 ± 0.011 χ^2/NDF : 3370690.2/102

- sign 3.205 ± 0.015 χ^2/NDF : 1566567.7/52

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -259.405 ± 2.805 $\chi^2/\text{NDF}: 880.3/7$

Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$

Right Out: -275.842 ± 1.900 $\chi^2/\text{NDF}: 3710.2/10$

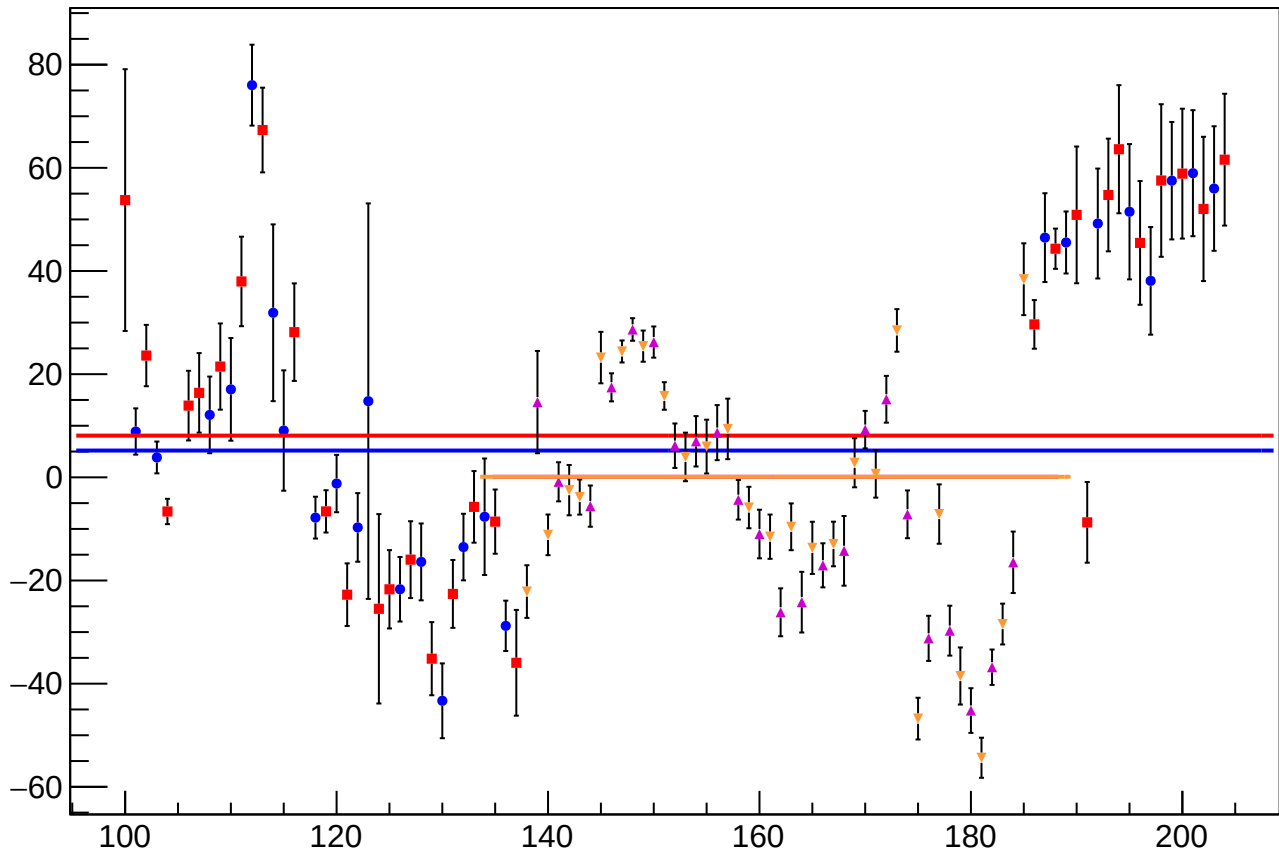
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -207.840 ± 1.006 $\chi^2/\text{NDF}: 4493.1/32$

All: -213.616 ± 0.691 $\chi^2/\text{NDF}: 12436.4/66$

- sign -218.770 ± 0.950 $\chi^2/\text{NDF}: 7880.9/33$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 5.194 ± 1.349 $\chi^2/\text{NDF}: 399.4/24$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 8.089 ± 1.205 $\chi^2/\text{NDF}: 500.2/29$

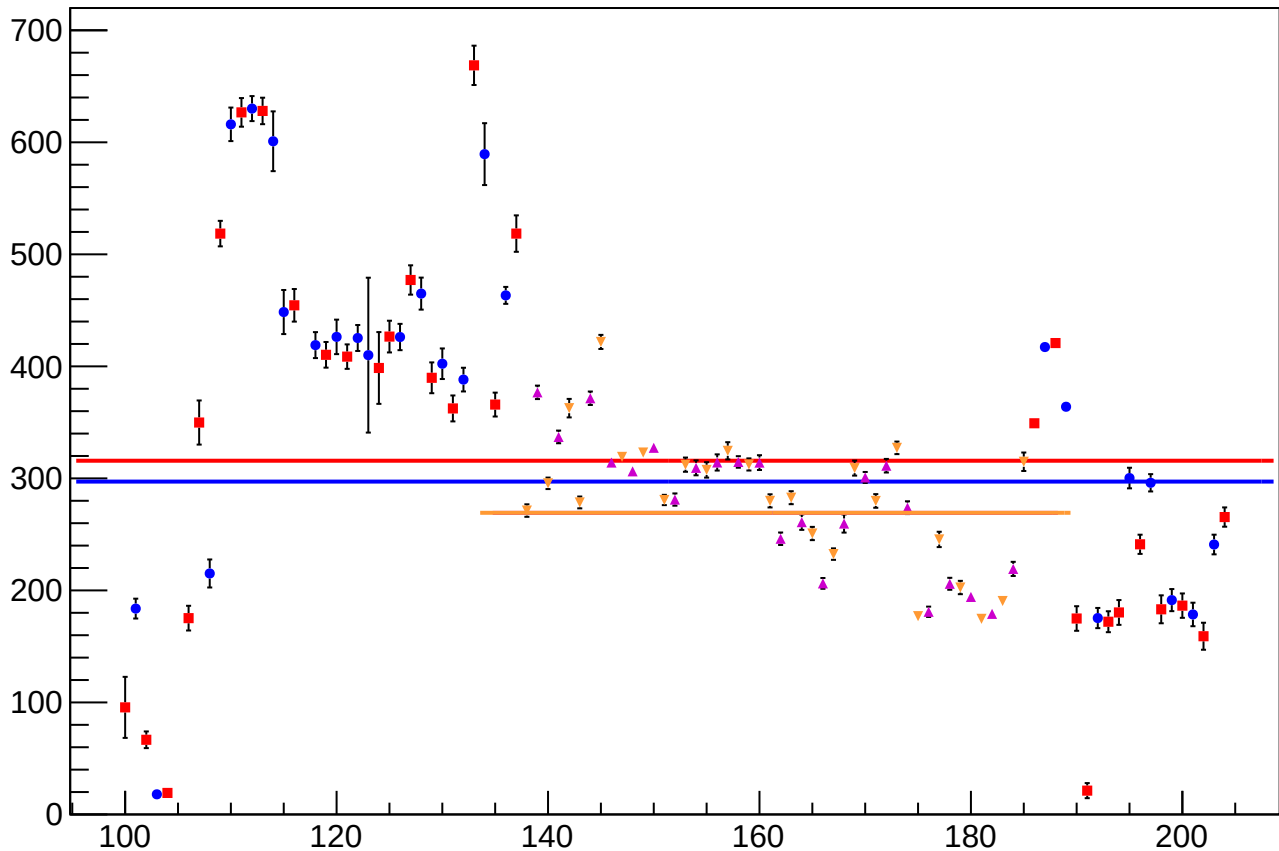
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 1.449 ± 0.693 $\chi^2/\text{NDF}: 1241.1/49$

All: 2.080 ± 0.488 $\chi^2/\text{NDF}: 2488.1/102$

- sign 2.702 ± 0.688 $\chi^2/\text{NDF}: 1245.3/52$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 297.143 ± 1.724 $\chi^2/\text{NDF}: 9218.7/24$

Left Out: 269.278 ± 1.078 $\chi^2/\text{NDF}: 3146.7/24$

Right Out: 315.760 ± 1.329 $\chi^2/\text{NDF}: 13965.2/29$

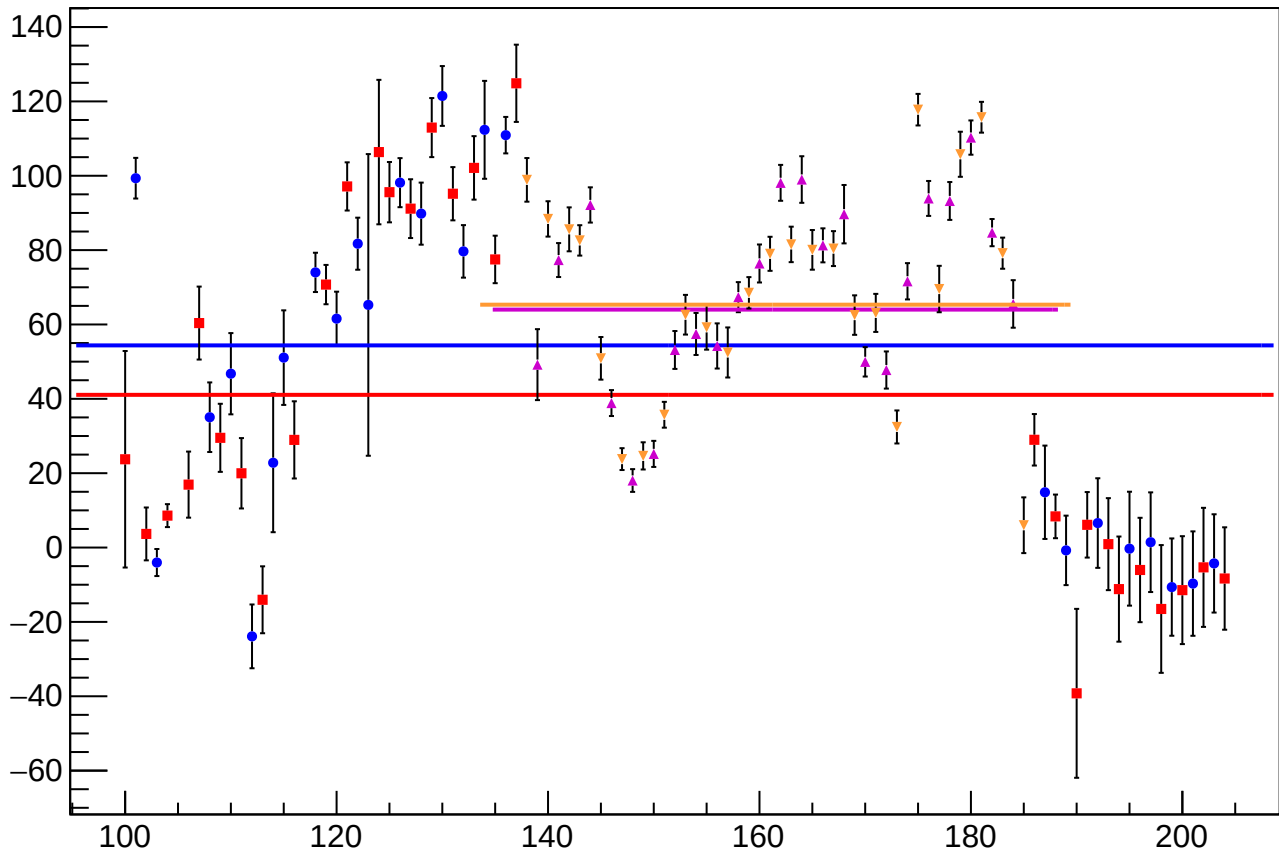
Left In: 269.191 ± 1.091 $\chi^2/\text{NDF}: 3170.2/22$

+ sign 277.108 ± 0.914 $\chi^2/\text{NDF}: 12553.2/49$

All: 282.952 ± 0.620 $\chi^2/\text{NDF}: 30498.0/102$

- sign 287.928 ± 0.843 $\chi^2/\text{NDF}: 17869.0/52$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 54.373 ± 1.584 $\chi^2/\text{NDF}: 897.1/24$

Left Out: 65.323 ± 0.935 $\chi^2/\text{NDF}: 1007.1/24$

Right Out: 41.073 ± 1.461 $\chi^2/\text{NDF}: 829.4/29$

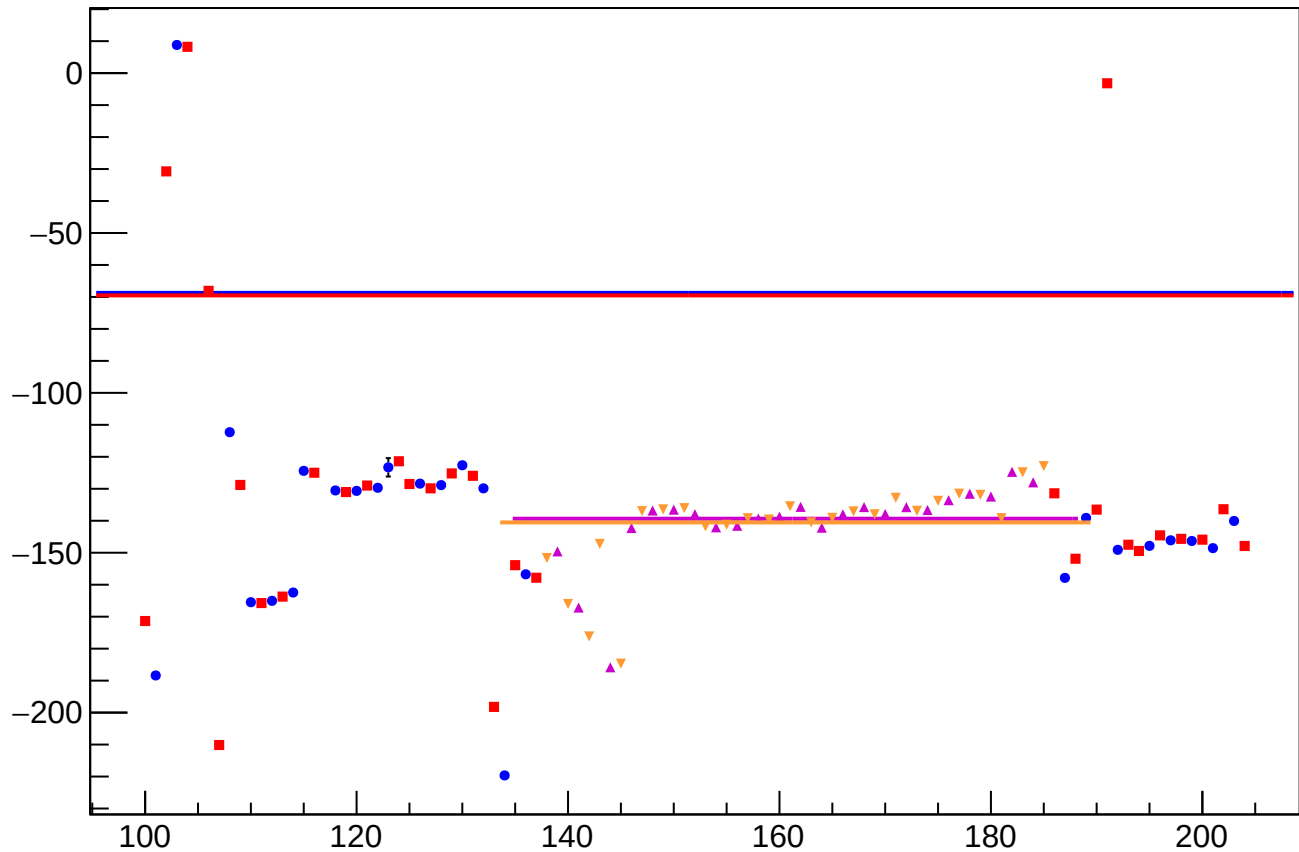
Left In: 63.999 ± 0.963 $\chi^2/\text{NDF}: 799.5/22$

+ sign 62.495 ± 0.805 $\chi^2/\text{NDF}: 1939.6/49$

All: 59.772 ± 0.569 $\chi^2/\text{NDF}: 3763.1/102$

- sign 57.055 ± 0.804 $\chi^2/\text{NDF}: 1800.6/52$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -68.734 ± 0.064 χ^2/NDF : 1516757.1/24

Left Out: -140.519 ± 0.045 χ^2/NDF : 77489.0/24

Right Out: -69.519 ± 0.062 χ^2/NDF : 1376566.1/29

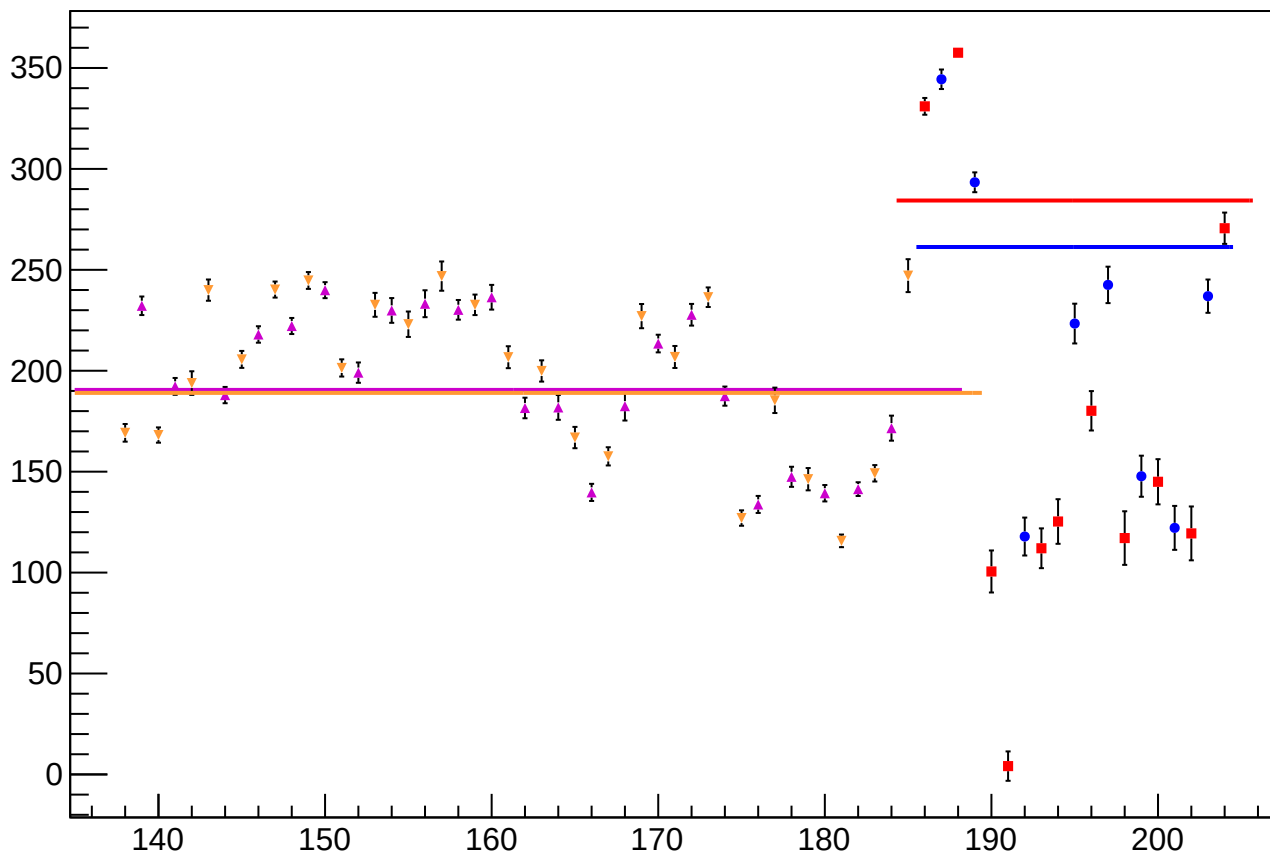
Left In: -139.360 ± 0.045 χ^2/NDF : 62449.0/22

+ sign -117.232 ± 0.037 χ^2/NDF : 2436373.6/49

All: -116.201 ± 0.026 χ^2/NDF : 4710460.6/10

- sign -115.183 ± 0.036 χ^2/NDF : 2272511.1/52

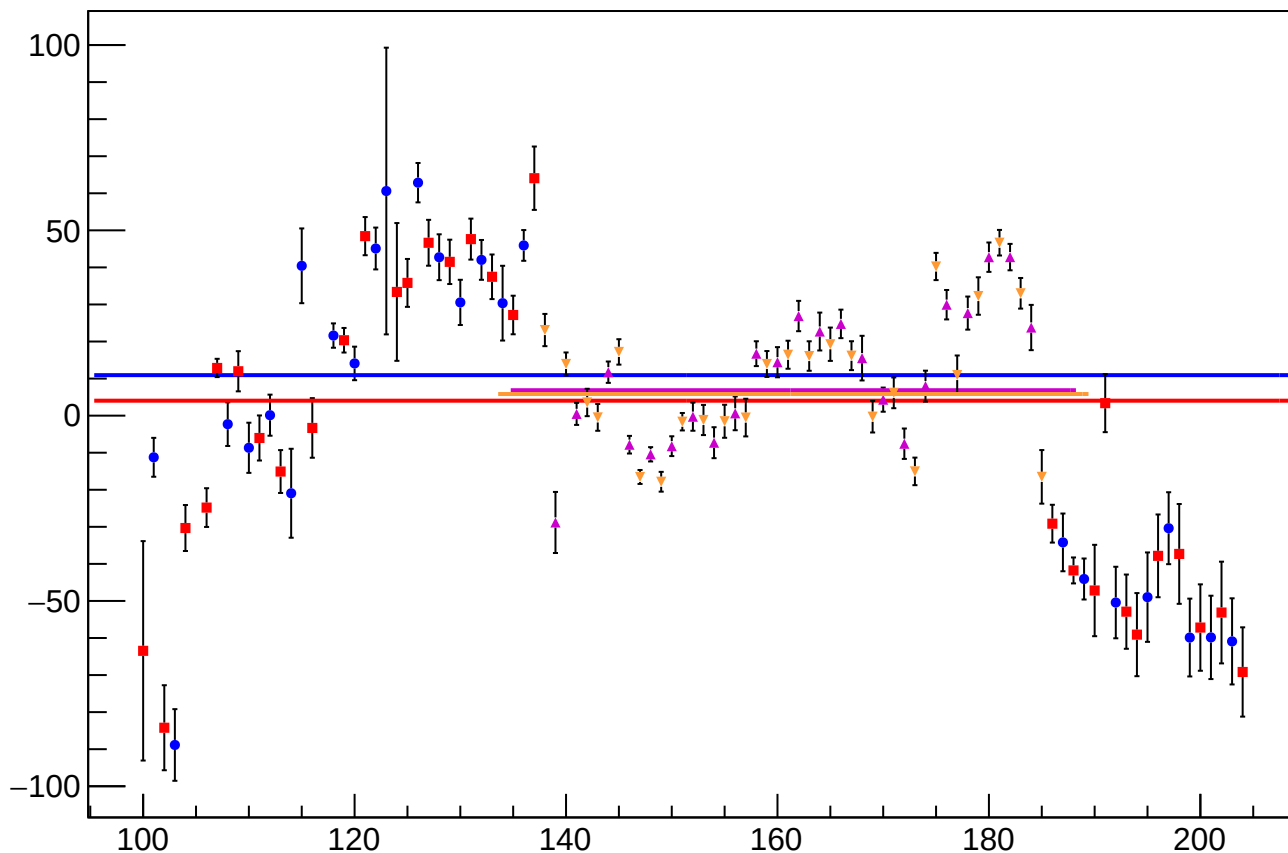
reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 261.306 ± 2.575 $\chi^2/\text{NDF}: 886.3/7$
 Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$
 Right Out: 284.339 ± 1.795 $\chi^2/\text{NDF}: 3869.9/10$
 Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 197.782 ± 0.896 $\chi^2/\text{NDF}: 3559.5/32$
 All: 205.146 ± 0.619 $\chi^2/\text{NDF}: 11080.6/66$
 - sign 211.878 ± 0.857 $\chi^2/\text{NDF}: 7391.9/33$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.928 ± 1.277 $\chi^2/\text{NDF}: 786.3/24$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 4.037 ± 1.081 $\chi^2/\text{NDF}: 928.9/29$

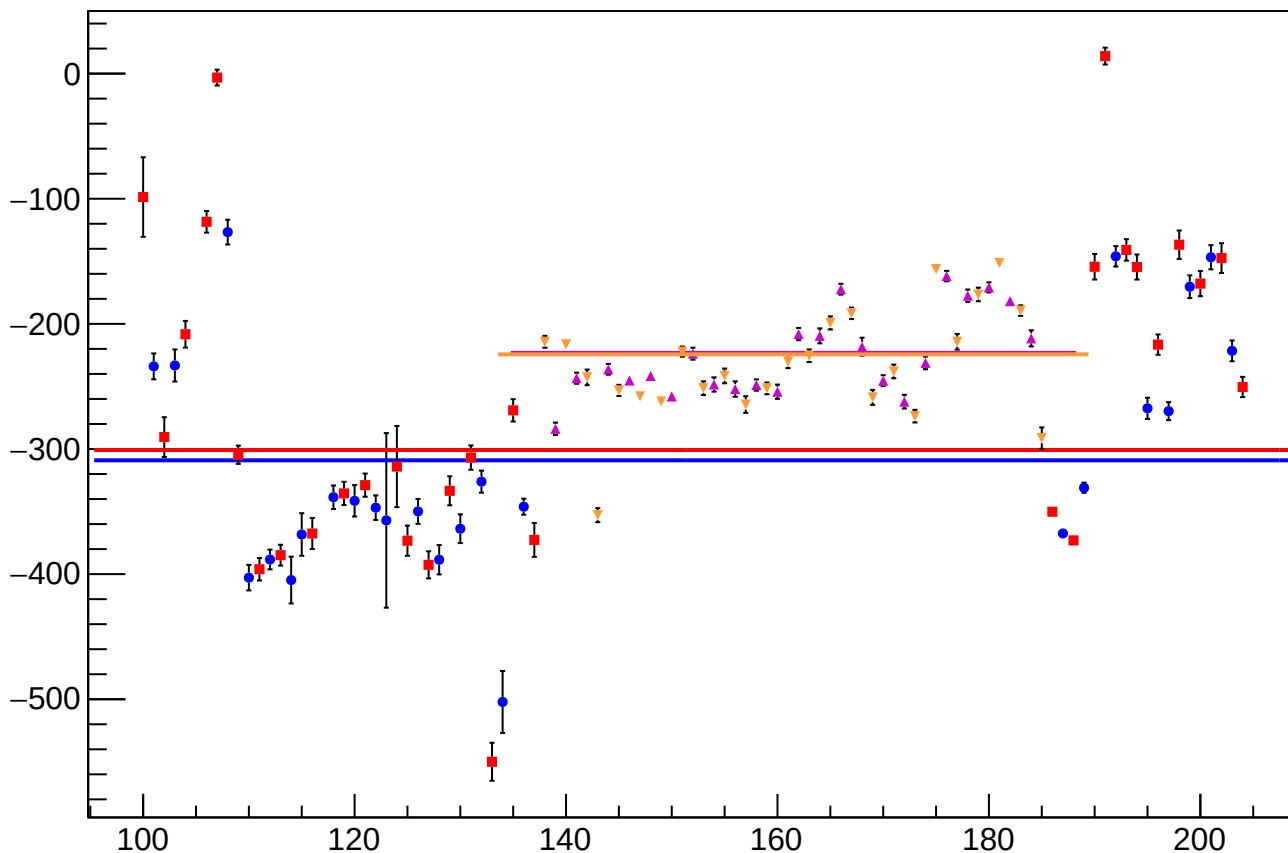
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 7.044 ± 0.622 $\chi^2/\text{NDF}: 1450.7/49$

All: 6.493 ± 0.435 $\chi^2/\text{NDF}: 2908.5/102$

- sign 5.966 ± 0.608 $\chi^2/\text{NDF}: 1456.3/52$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -309.049 ± 1.670 χ^2/NDF : 2185.4/24

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -300.806 ± 1.257 χ^2/NDF : 8631.0/29

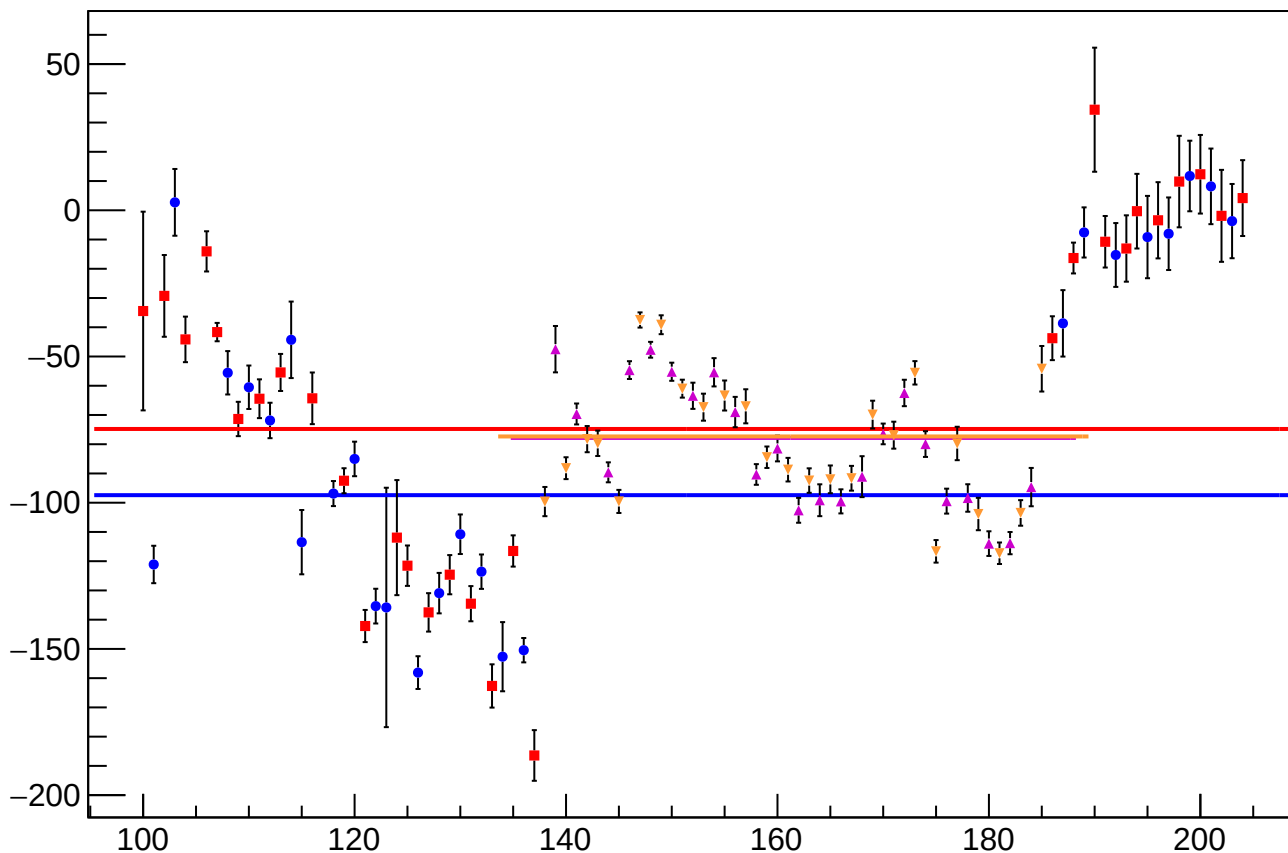
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -245.261 ± 0.830 χ^2/NDF : 6224.9/49

All: -248.978 ± 0.563 χ^2/NDF : 18552.3/102

- sign -252.158 ± 0.767 χ^2/NDF : 12290.2/52

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -97.419 ± 1.490 χ^2/NDF : 1065.5/24

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -74.781 ± 1.298 χ^2/NDF : 1503.0/29

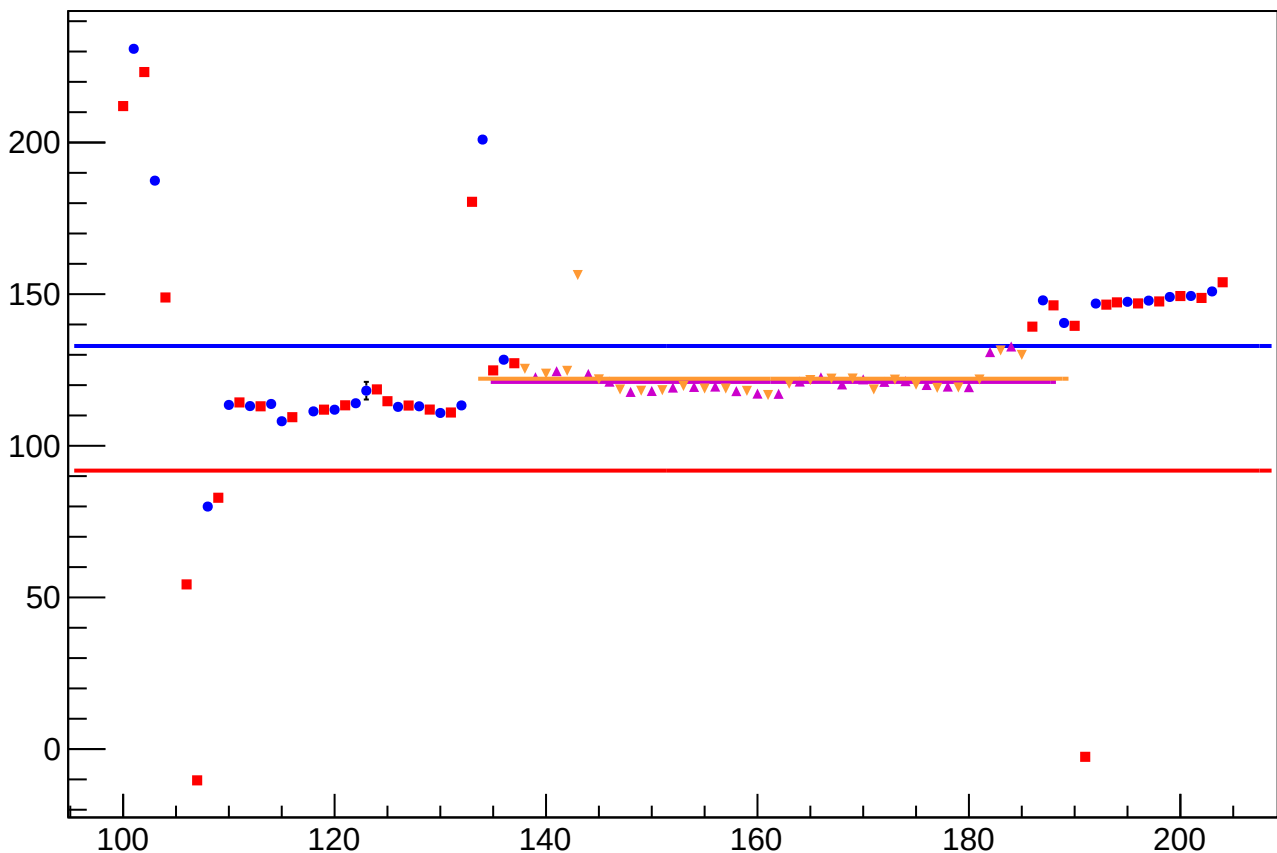
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -82.069 ± 0.723 χ^2/NDF : 2050.6/49

All: -79.451 ± 0.507 χ^2/NDF : 4206.0/102

- sign -76.922 ± 0.710 χ^2/NDF : 2129.7/52

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



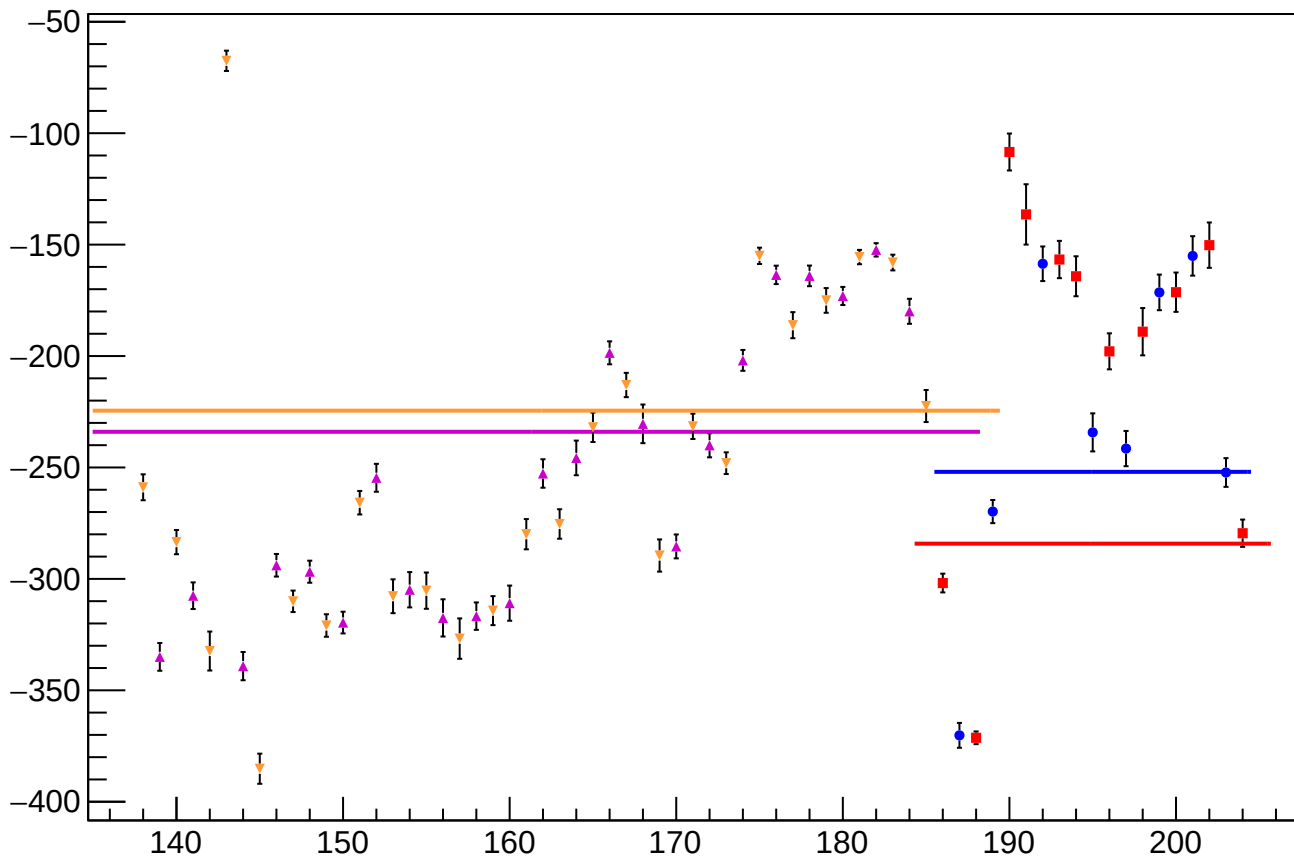
Right In: 132.909 $\pm$ 0.076 χ^2 /NDF: 202086.0/24
 Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24
 Right Out: 91.819 $\pm$ 0.063 χ^2 /NDF: 1112102.6/29
 Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 124.394 $\pm$ 0.035 χ^2 /NDF: 248368.0/49

All: 118.328 $\pm$ 0.024 χ^2 /NDF: 1580098.2/102

- sign 112.737 $\pm$ 0.034 χ^2 /NDF: 1274050.0/52

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -251.965+/-2.440 χ^2/NDF : 832.5/7

Left Out: -224.501+/-1.079 χ^2/NDF : 4870.6/24

Right Out: -284.189+/-1.827 χ^2/NDF : 2461.7/10

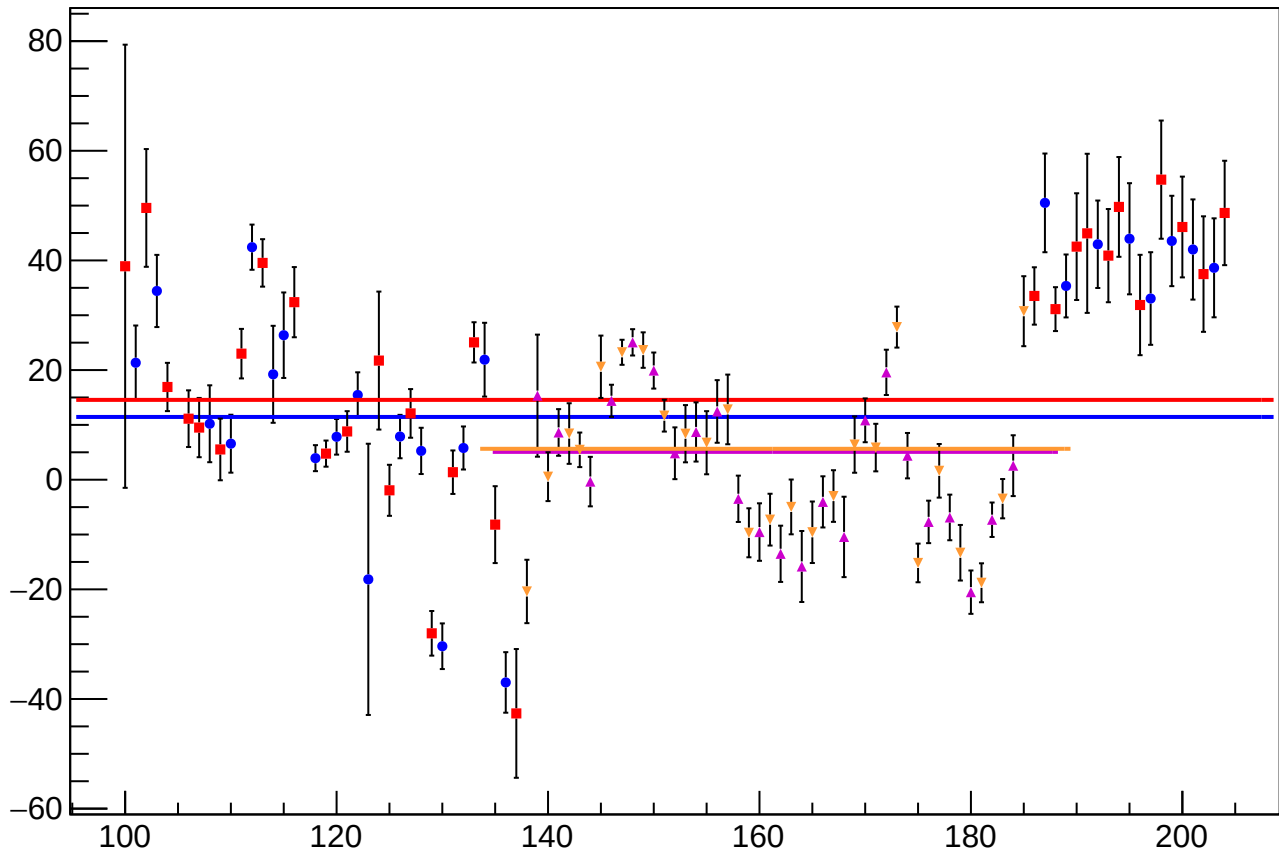
Left In: -233.988+/-1.109 χ^2/NDF : 3538.4/22

+ sign -228.993+/-0.987 χ^2/NDF : 5809.0/32

All: -238.617+/-0.684 χ^2/NDF : 12543.7/66

- sign -247.495+/-0.948 χ^2/NDF : 6551.9/33

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 11.448 $\pm$ 1.031 χ^2 /NDF: 379.0/24

Left Out: 5.638 $\pm$ 0.828 χ^2 /NDF: 313.6/24

Right Out: 14.562 $\pm$ 0.971 χ^2 /NDF: 369.4/29

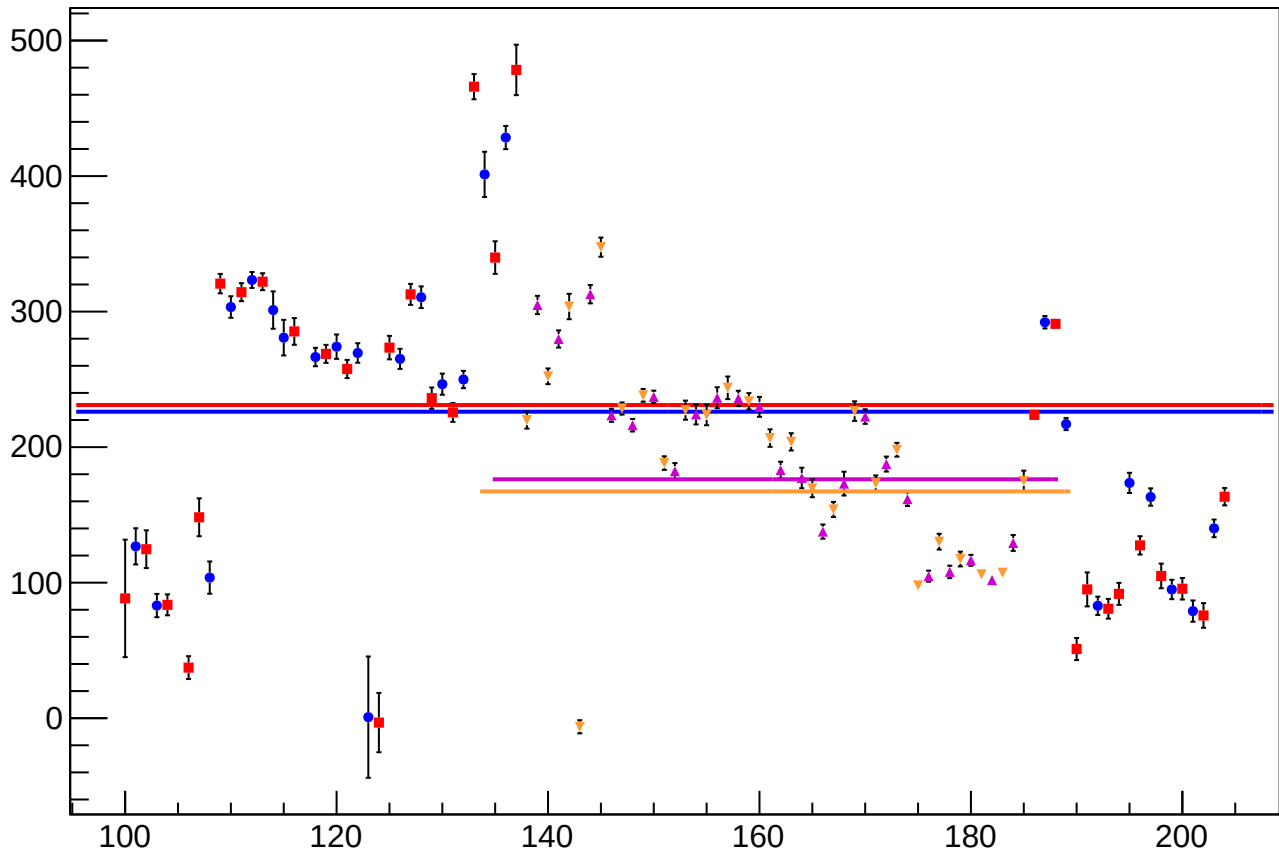
Left In: 5.077 $\pm$ 0.869 χ^2 /NDF: 239.7/22

+ sign 7.914 $\pm$ 0.646 χ^2 /NDF: 711.9/49

All: 8.604 $\pm$ 0.457 χ^2 /NDF: 1376.3/102

- sign 9.297 $\pm$ 0.647 χ^2 /NDF: 662.1/52

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 226.134 ± 1.490 $\chi^2/\text{NDF}: 3479.3/24$

Left Out: 167.327 ± 1.082 $\chi^2/\text{NDF}: 4454.5/24$

Right Out: 231.065 ± 1.218 $\chi^2/\text{NDF}: 5884.0/29$

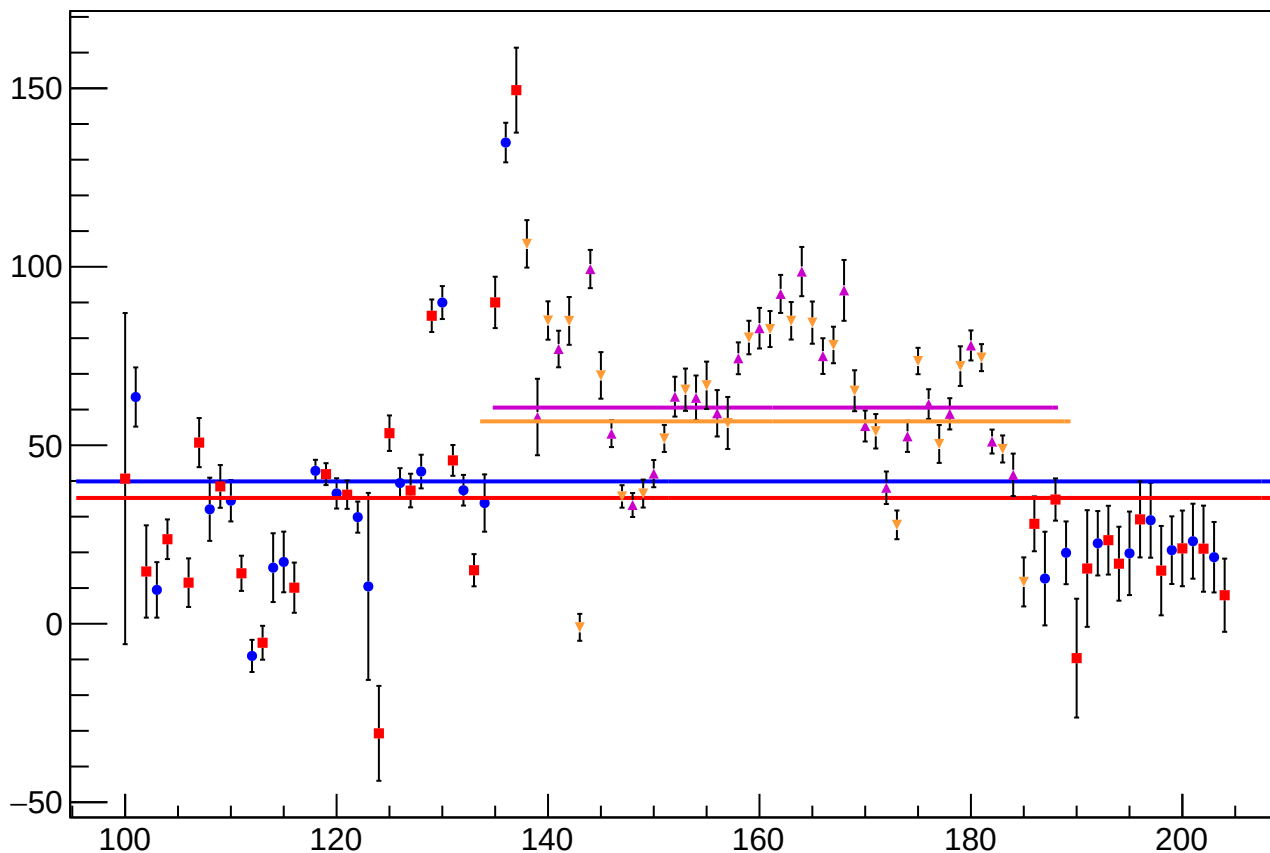
Left In: 176.272 ± 1.106 $\chi^2/\text{NDF}: 3169.5/22$

+ sign 187.638 ± 0.876 $\chi^2/\text{NDF}: 8953.1/49$

All: 194.786 ± 0.598 $\chi^2/\text{NDF}: 19241.0/102$

- sign 201.031 ± 0.819 $\chi^2/\text{NDF}: 10163.1/52$

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 39.875 ± 1.203 χ^2/NDF : 605.1/24

Left Out: 56.695 ± 0.952 χ^2/NDF : 690.4/24

Right Out: 35.243 ± 1.142 χ^2/NDF : 500.8/29

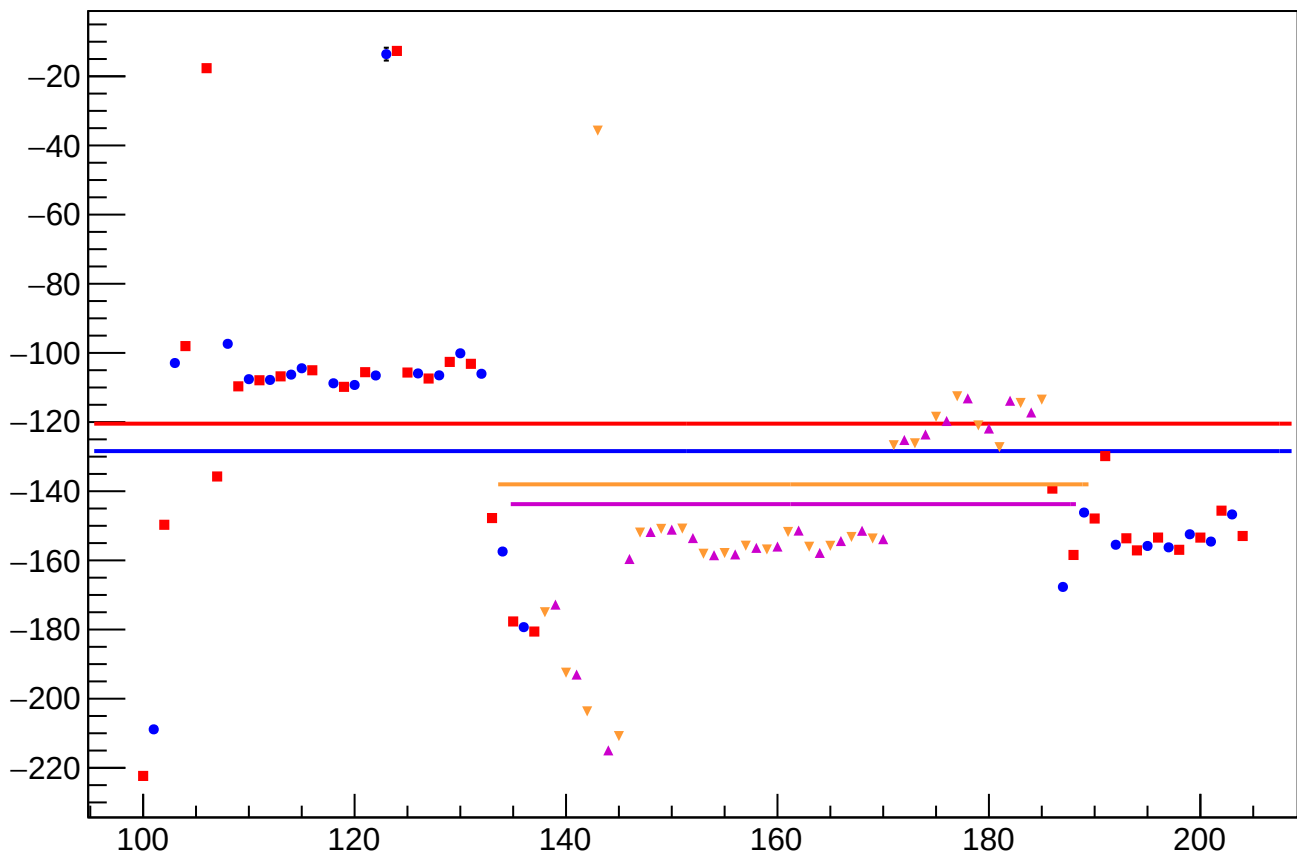
Left In: 60.555 ± 0.990 χ^2/NDF : 335.6/22

+ sign 50.217 ± 0.746 χ^2/NDF : 1415.8/49

All: 49.954 ± 0.528 χ^2/NDF : 2532.9/102

- sign 49.690 ± 0.748 χ^2/NDF : 1116.9/52

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -128.397 ± 0.066 $\chi^2/\text{NDF}: 205000.4/24$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -120.460 ± 0.060 $\chi^2/\text{NDF}: 455053.7/29$

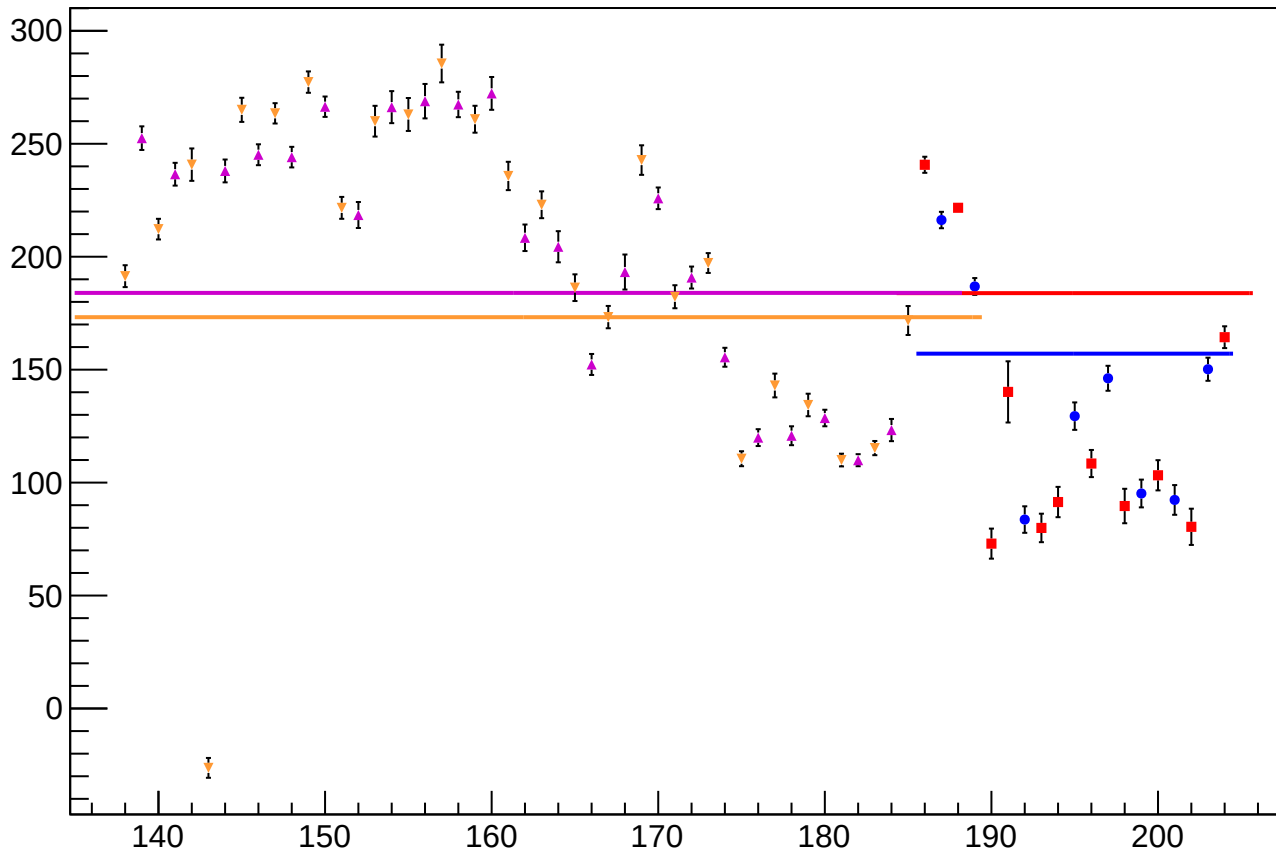
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -134.930 ± 0.037 $\chi^2/\text{NDF}: 785295.9/49$

All: -135.036 ± 0.026 $\chi^2/\text{NDF}: 1592919.4/10$

- sign -135.139 ± 0.037 $\chi^2/\text{NDF}: 807607.4/52$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 157.086 ± 1.755 $\chi^2/\text{NDF}: 710.7/7$

Left Out: 173.229 ± 0.966 $\chi^2/\text{NDF}: 5846.0/24$

Right Out: 183.879 ± 1.327 $\chi^2/\text{NDF}: 2053.7/10$

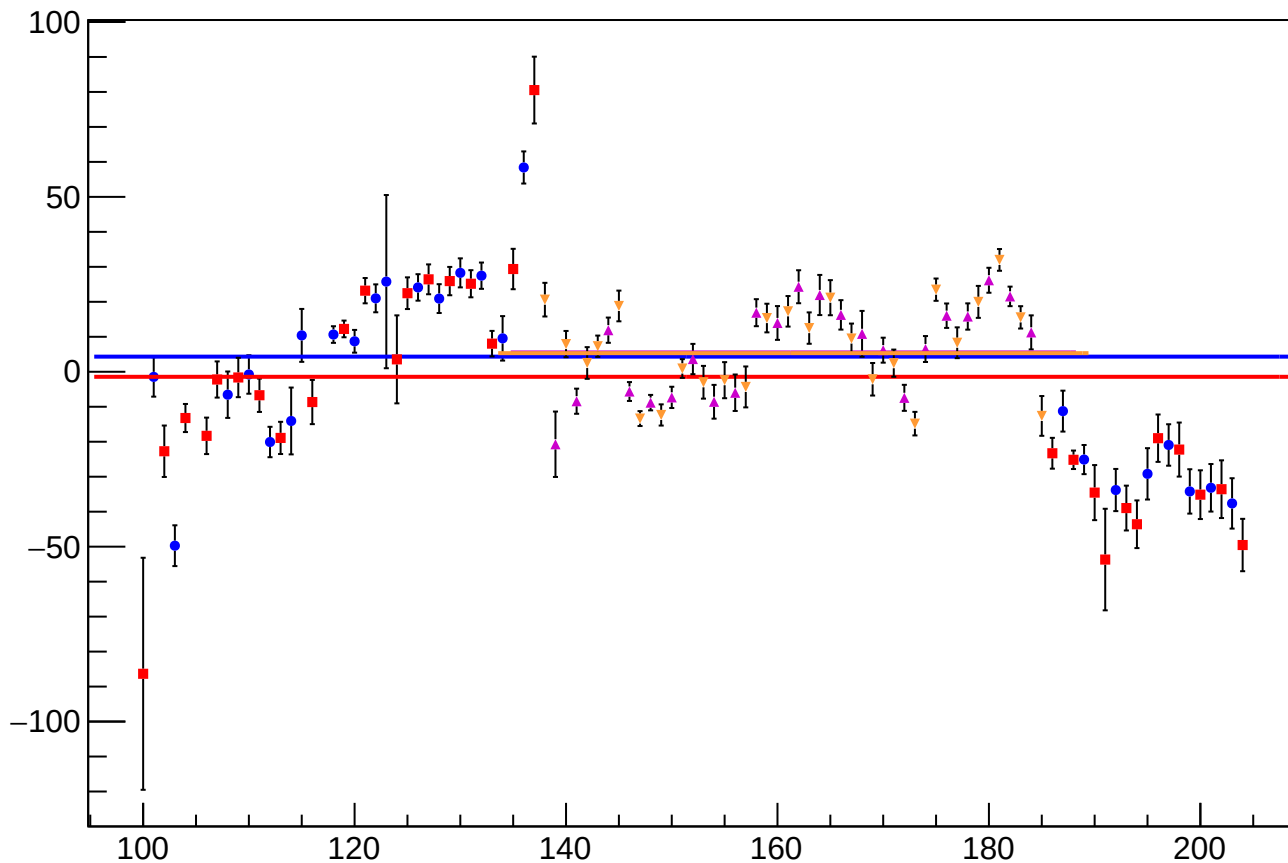
Left In: 183.984 ± 0.991 $\chi^2/\text{NDF}: 3613.7/22$

+ sign 169.478 ± 0.846 $\chi^2/\text{NDF}: 6621.6/32$

All: 177.171 ± 0.579 $\chi^2/\text{NDF}: 12444.5/66$

- sign 183.947 ± 0.794 $\chi^2/\text{NDF}: 5667.4/33$

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 4.326 ± 0.957 χ^2/NDF : 644.8/24

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -1.440 ± 0.890 χ^2/NDF : 704.7/29

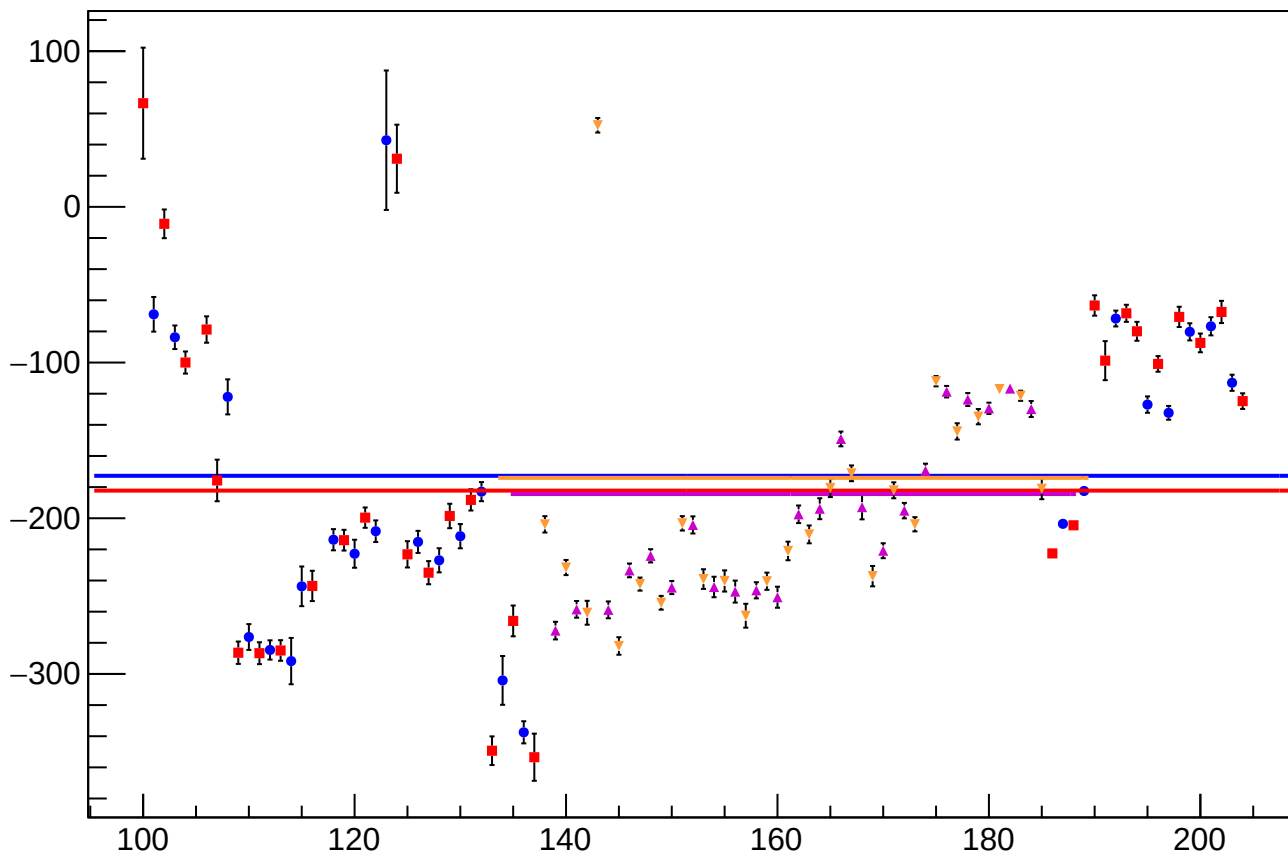
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 4.945 ± 0.589 χ^2/NDF : 991.0/49

All: 3.717 ± 0.416 χ^2/NDF : 1995.3/102

- sign 2.497 ± 0.587 χ^2/NDF : 995.6/52

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.730+/-1.209 χ^2/NDF : 3013.4/24

Left Out: -174.061+/-0.971 χ^2/NDF : 5443.3/24

Right Out: -182.243+/-0.963 χ^2/NDF : 4827.0/29

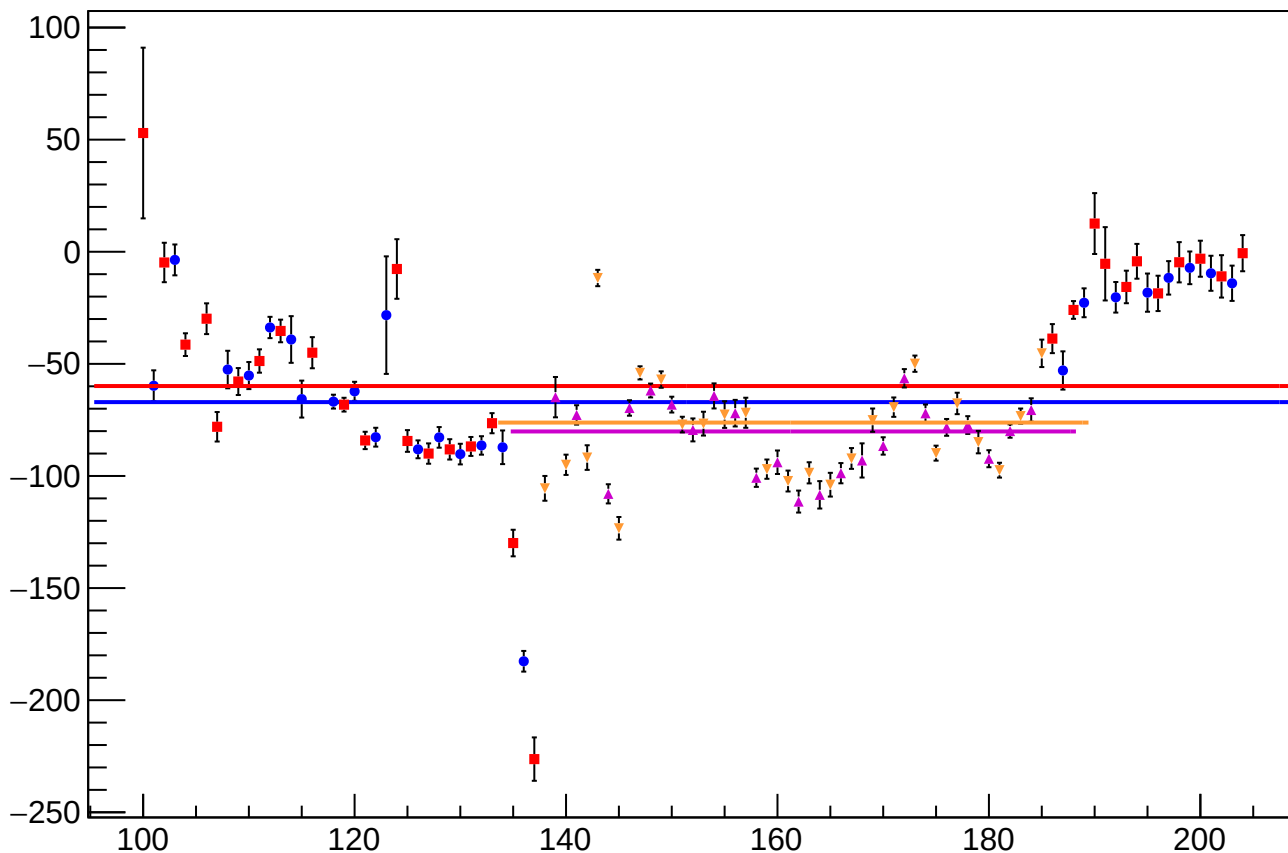
Left In: -184.456+/-0.991 χ^2/NDF : 3051.6/22

+ sign -173.539+/-0.757 χ^2/NDF : 8457.4/49

All: -178.877+/-0.510 χ^2/NDF : 16429.6/102

- sign -183.318+/-0.690 χ^2/NDF : 7881.1/52

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.058 ± 1.123 $\chi^2/\text{NDF}: 1240.7/24$

Left Out: -76.182 ± 0.857 $\chi^2/\text{NDF}: 801.0/24$

Right Out: -59.889 ± 1.061 $\chi^2/\text{NDF}: 1189.8/29$

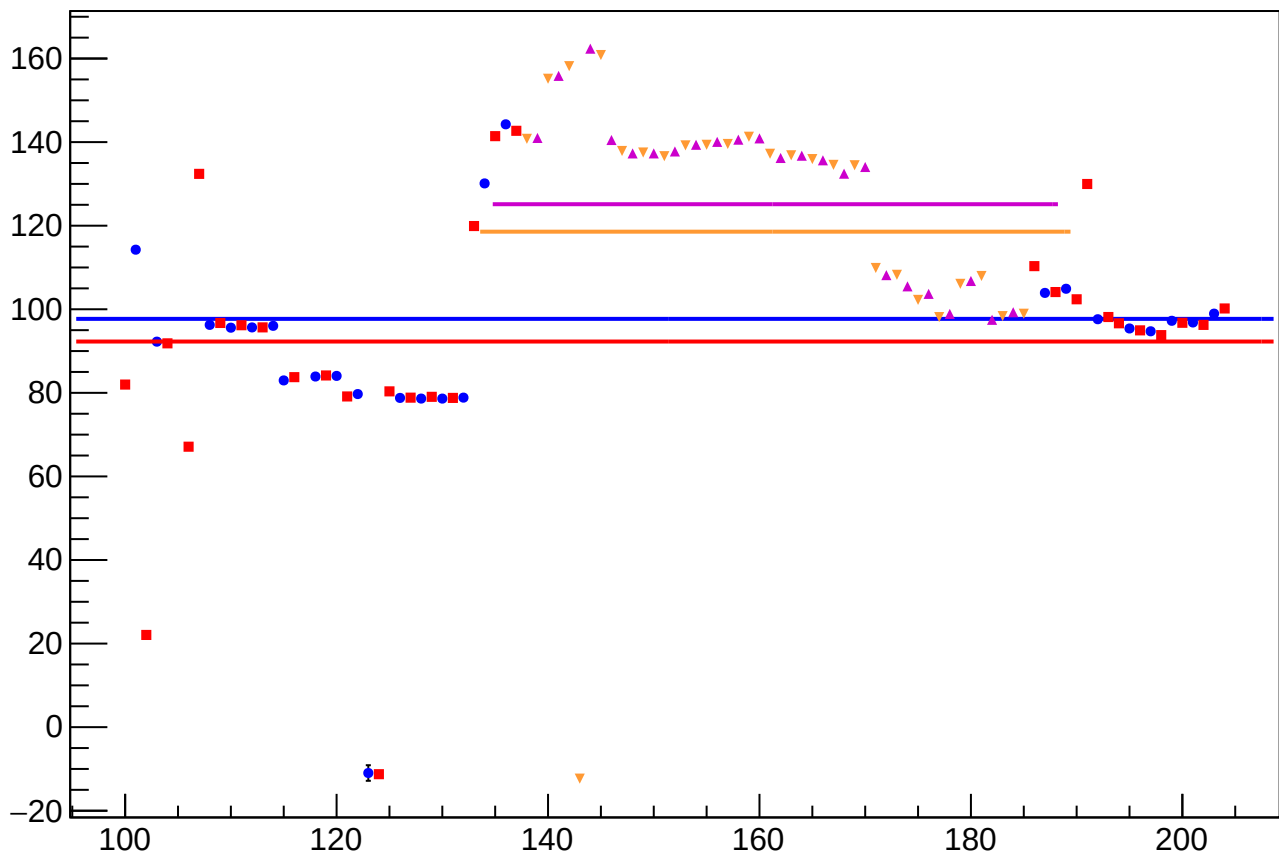
Left In: -80.149 ± 0.889 $\chi^2/\text{NDF}: 283.3/22$

+ sign -72.821 ± 0.681 $\chi^2/\text{NDF}: 2083.4/49$

All: -72.308 ± 0.482 $\chi^2/\text{NDF}: 3771.7/102$

- sign -71.795 ± 0.682 $\chi^2/\text{NDF}: 1687.2/52$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.703 $\pm$ 0.057 χ^2 /NDF: 94881.5/24

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 92.279 $\pm$ 0.052 χ^2 /NDF: 241063.5/29

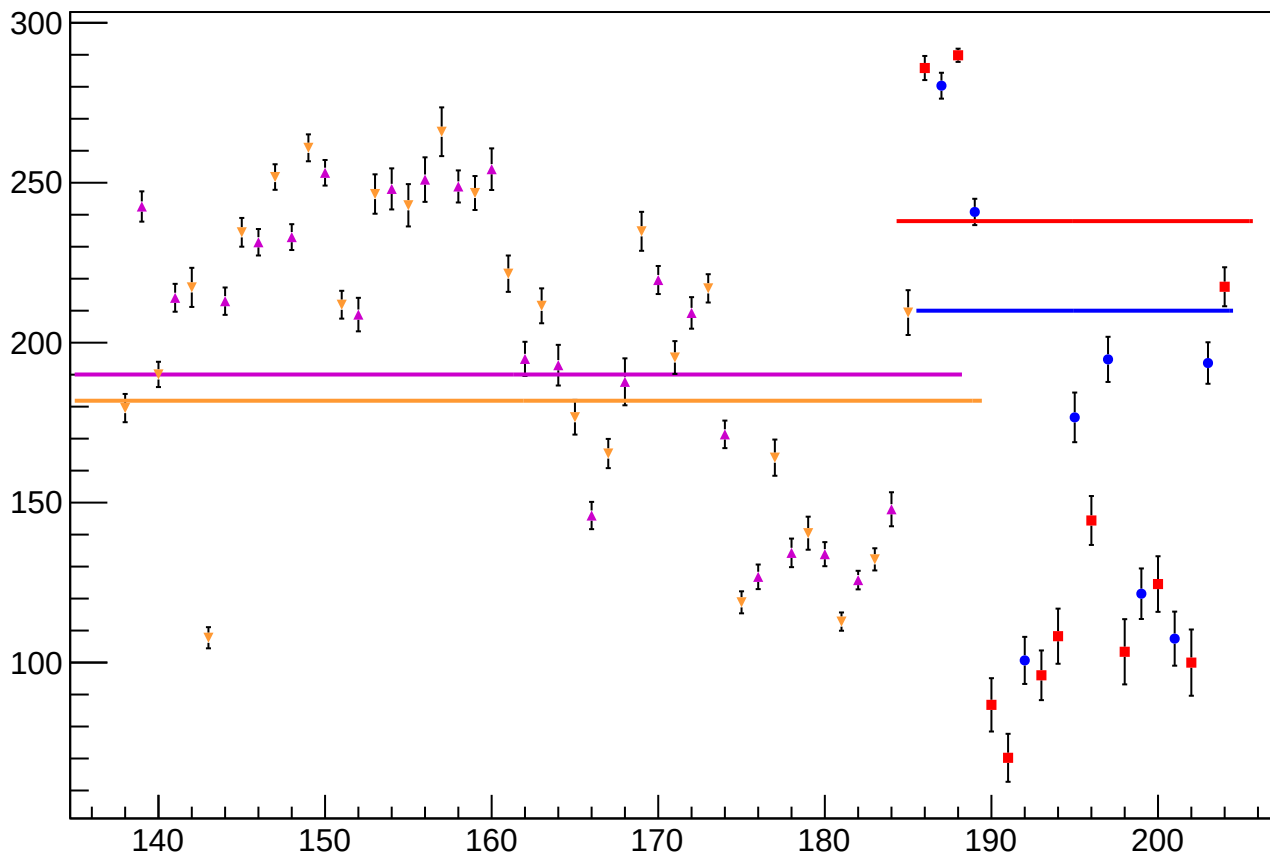
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 111.607 $\pm$ 0.033 χ^2 /NDF: 912165.7/49

All: 112.098 $\pm$ 0.023 χ^2 /NDF: 1616925.9/102

- sign 112.570 $\pm$ 0.032 χ^2 /NDF: 704327.5/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 209.998 $\pm$ 2.089 χ^2 /NDF: 881.1/7

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF:3303.4/24

Right Out: 238.003 $\pm$ 1.503 χ^2 /NDF: 2863.8/10

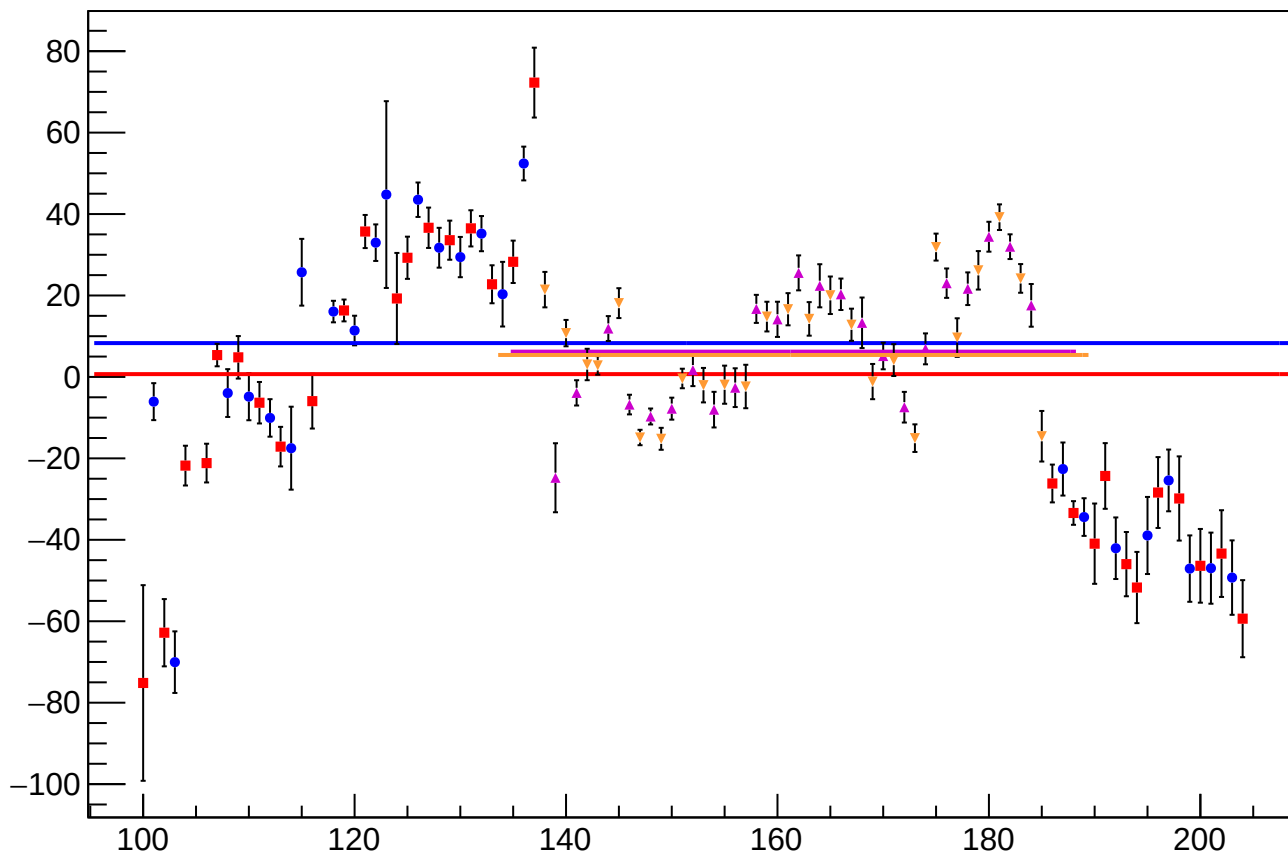
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 186.366 $\pm$ 0.837 χ^2 /NDF: 4336.9/32

All: 195.422 $\pm$ 0.580 χ^2 /NDF: 10590.6/66

- sign 203.796 $\pm$ 0.805 χ^2 /NDF: 6028.3/33

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 8.308 ± 1.060 χ^2/NDF : 783.2/24

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: 0.690 ± 0.943 χ^2/NDF : 930.9/29

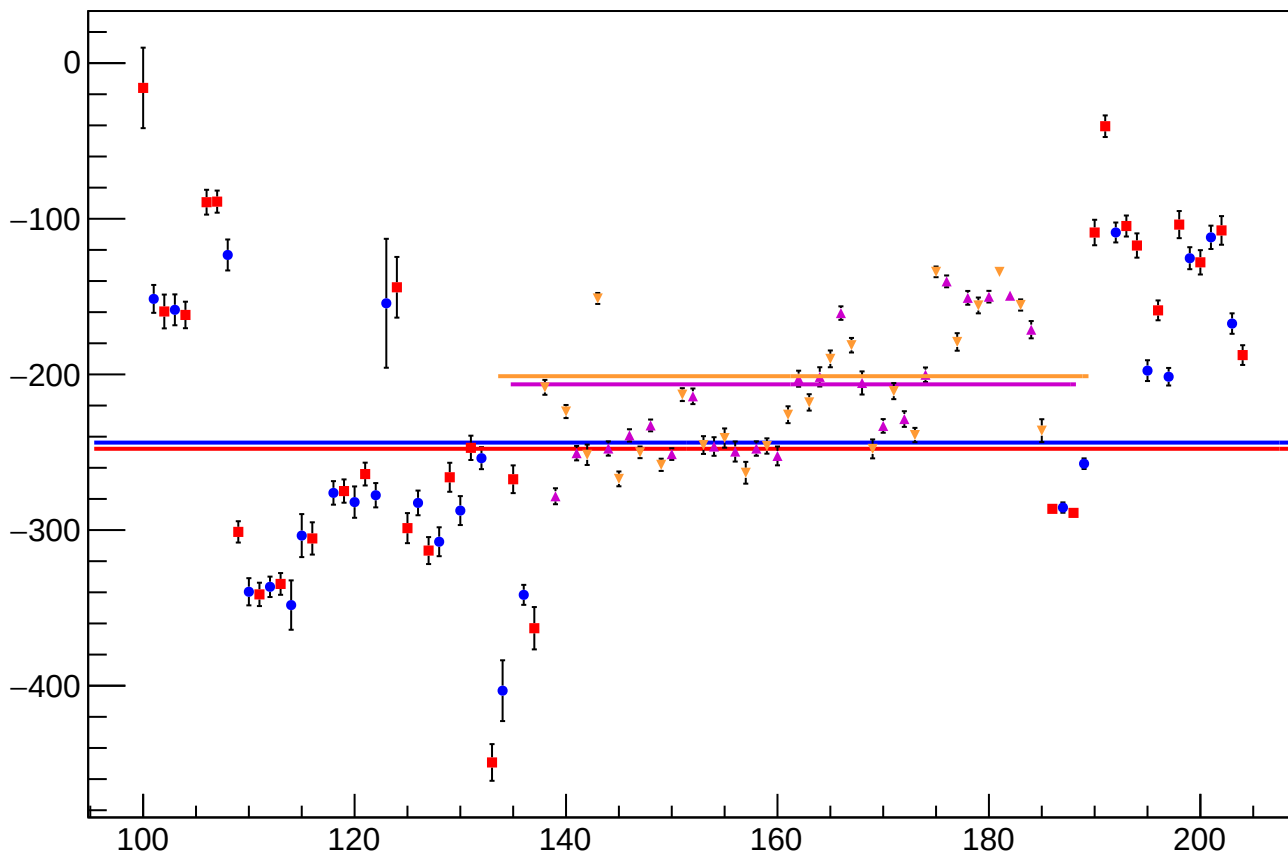
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 6.257 ± 0.577 χ^2/NDF : 1315.0/49

All: 5.197 ± 0.408 χ^2/NDF : 2681.6/102

- sign 4.134 ± 0.578 χ^2/NDF : 1359.8/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -243.801 ± 1.382 χ^2/NDF : 2606.7/24

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -247.779 ± 1.065 χ^2/NDF : 5759.7/29

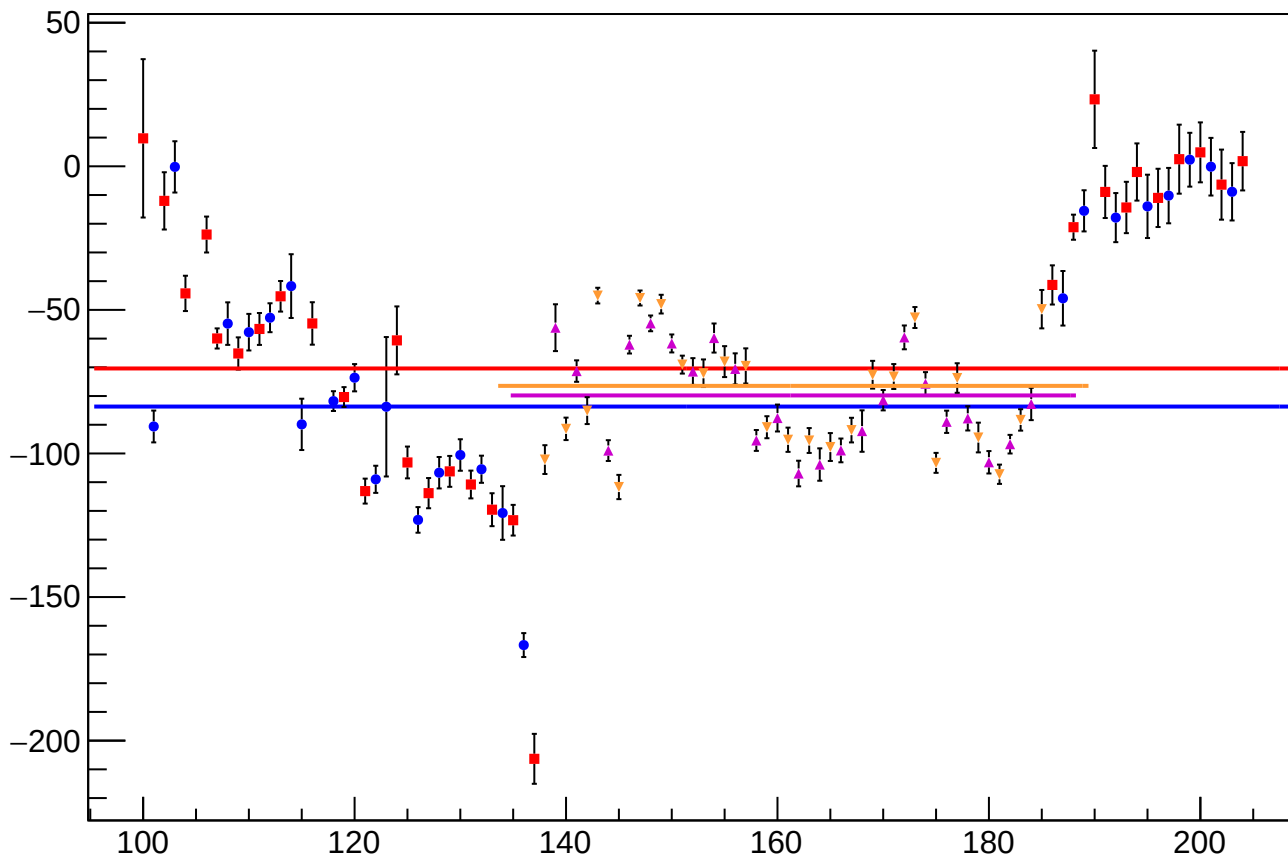
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -214.206 ± 0.764 χ^2/NDF : 5756.9/49

All: -219.862 ± 0.520 χ^2/NDF : 14572.1/102

- sign -224.721 ± 0.709 χ^2/NDF : 8713.5/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -83.663 $\pm$ 1.242 χ^2/NDF : 1219.9/24

Left Out: -76.460 $\pm$ 0.797 χ^2/NDF : 781.3/24

Right Out: -70.401 $\pm$ 1.128 χ^2/NDF : 1406.4/29

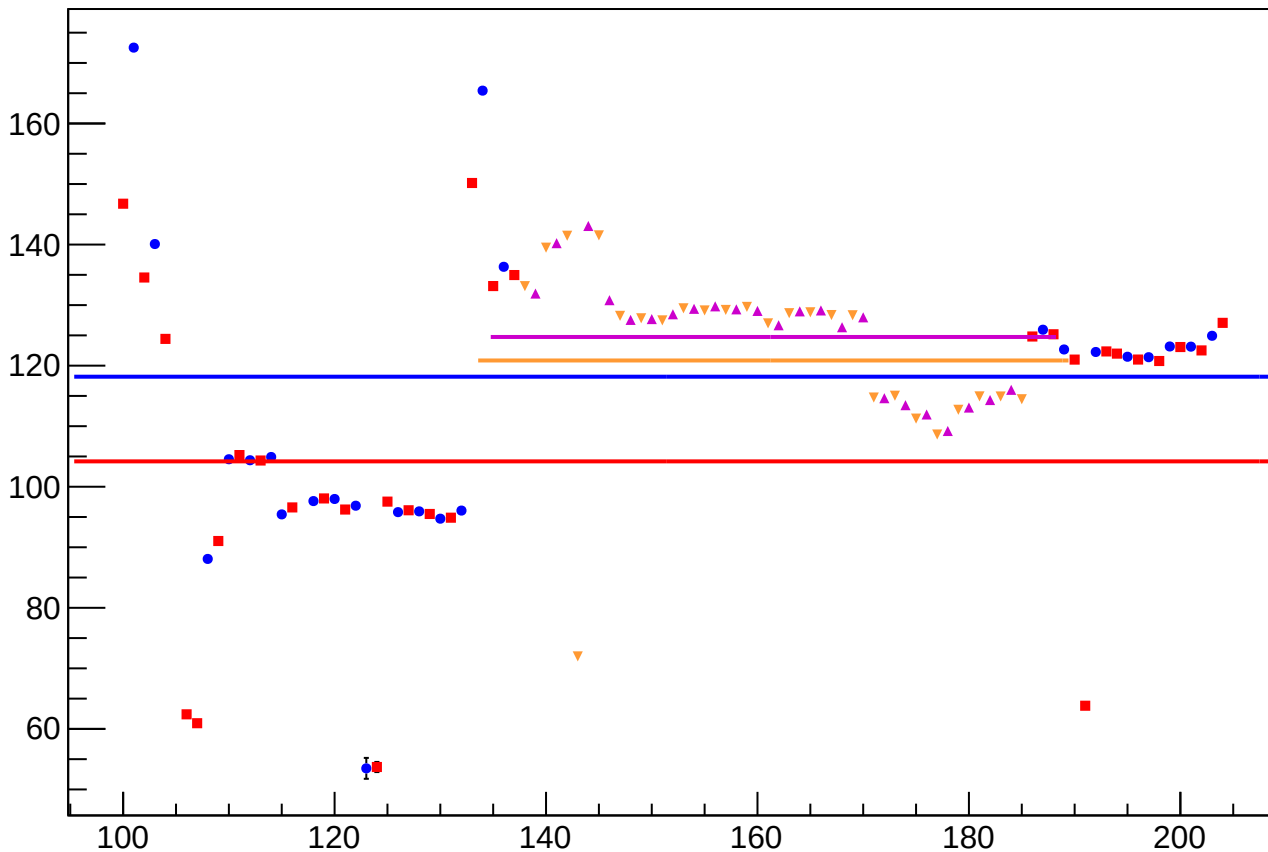
Left In: -79.792 $\pm$ 0.840 χ^2/NDF : 412.3/22

+ sign -78.560 $\pm$ 0.671 χ^2/NDF : 2025.1/49

All: -77.507 $\pm$ 0.475 χ^2/NDF : 3893.3/102

- sign -76.445 $\pm$ 0.674 χ^2/NDF : 1863.3/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 118.175 $\pm$ 0.065 χ^2 /NDF: 108217.1/24

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF:182759.1/24

Right Out: 104.190 $\pm$ 0.056 χ^2 /NDF: 238372.0/29

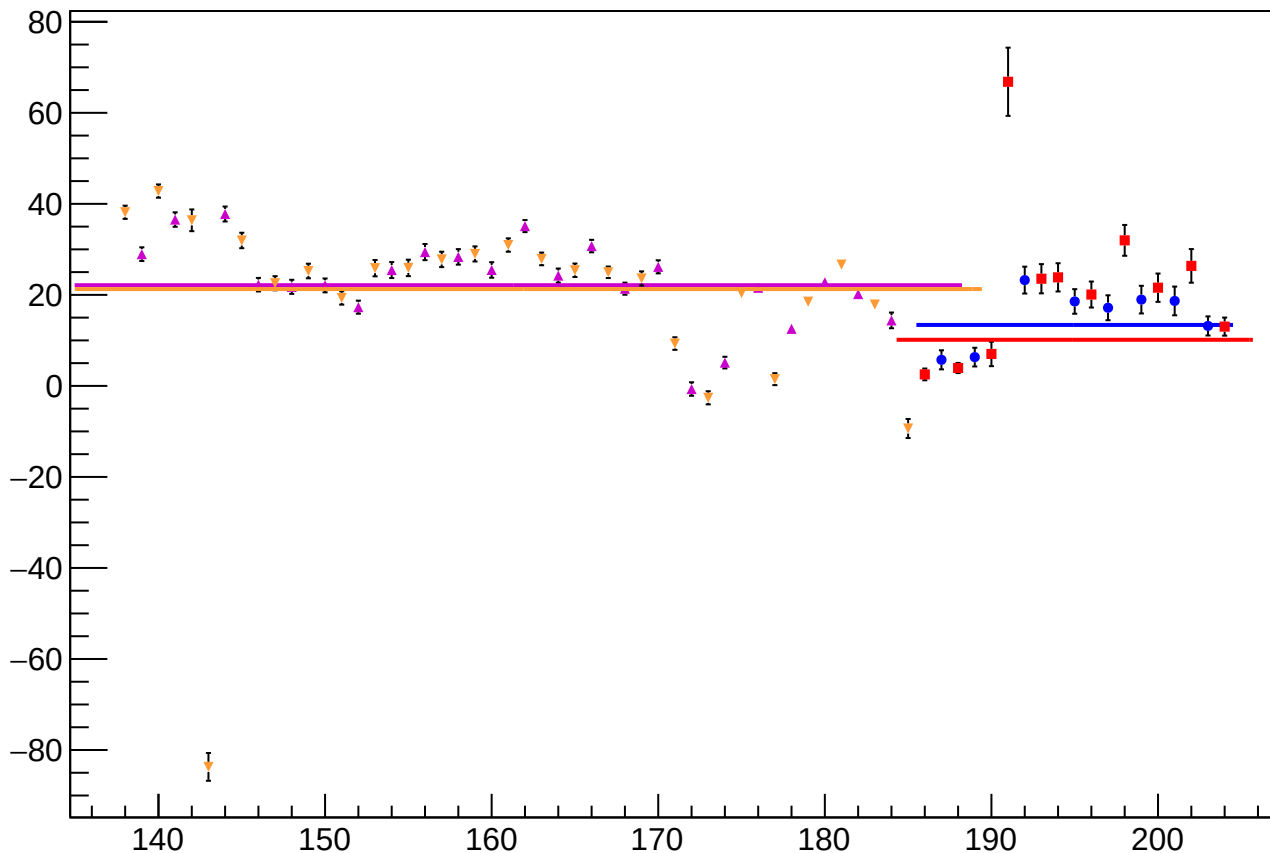
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

+ sign 120.167 $\pm$ 0.033 χ^2 /NDF: 292249.8/49

All: 119.022 $\pm$ 0.023 χ^2 /NDF: 675154.1/102

- sign 117.927 $\pm$ 0.032 χ^2 /NDF: 380521.6/52

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 13.396 $\pm$ 0.882 χ^2 /NDF: 48.1/7

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF: 2600.5/24

Right Out: 10.134 $\pm$ 0.645 χ^2 /NDF: 249.8/10

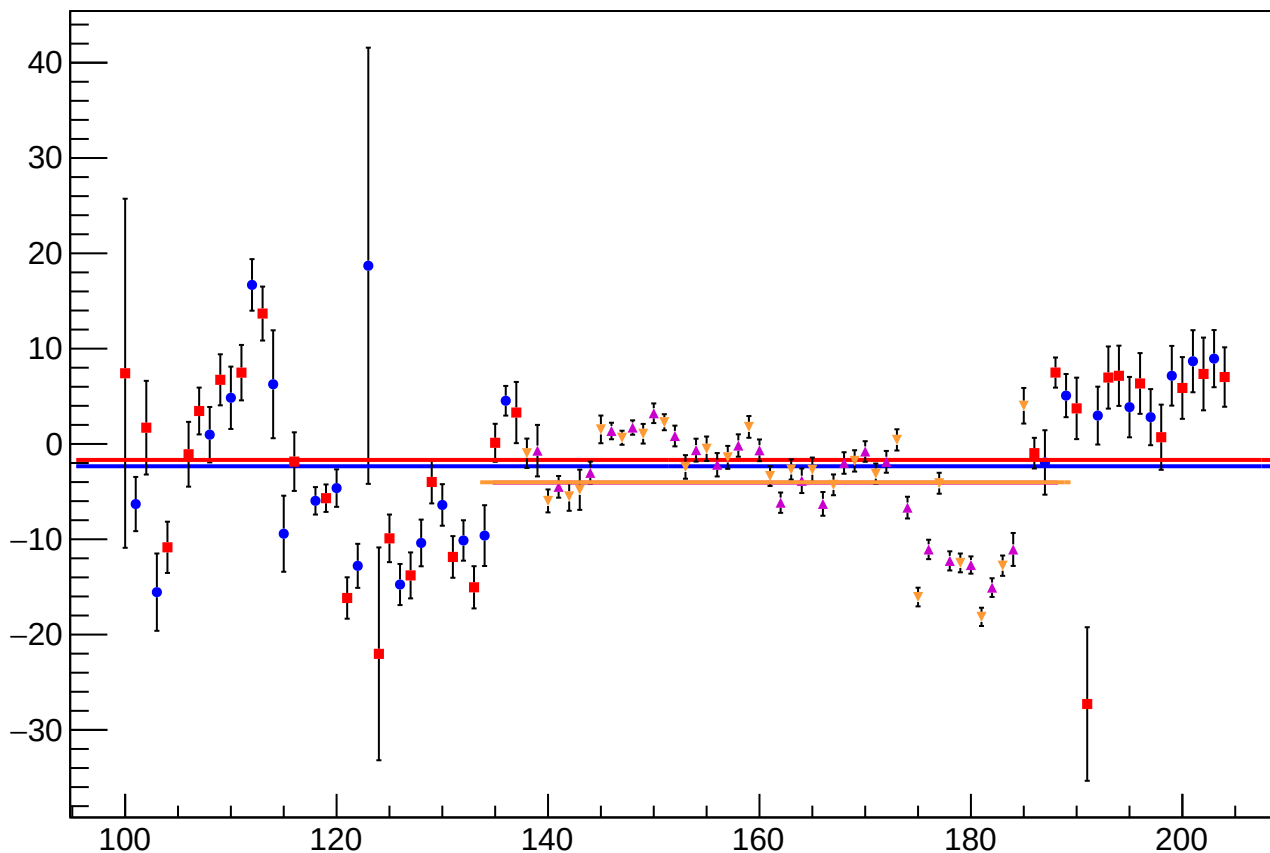
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF: 900.2/22

+ sign 20.548 $\pm$ 0.269 χ^2 /NDF: 2721.1/32

All: 20.351 $\pm$ 0.187 χ^2 /NDF: 4160.9/66

- sign 20.164 $\pm$ 0.261 χ^2 /NDF: 1438.8/33

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -2.340 ± 0.513 $\chi^2/\text{NDF}: 243.7/24$

Left Out: -4.022 ± 0.223 $\chi^2/\text{NDF}: 734.1/24$

Right Out: -1.675 ± 0.473 $\chi^2/\text{NDF}: 307.2/29$

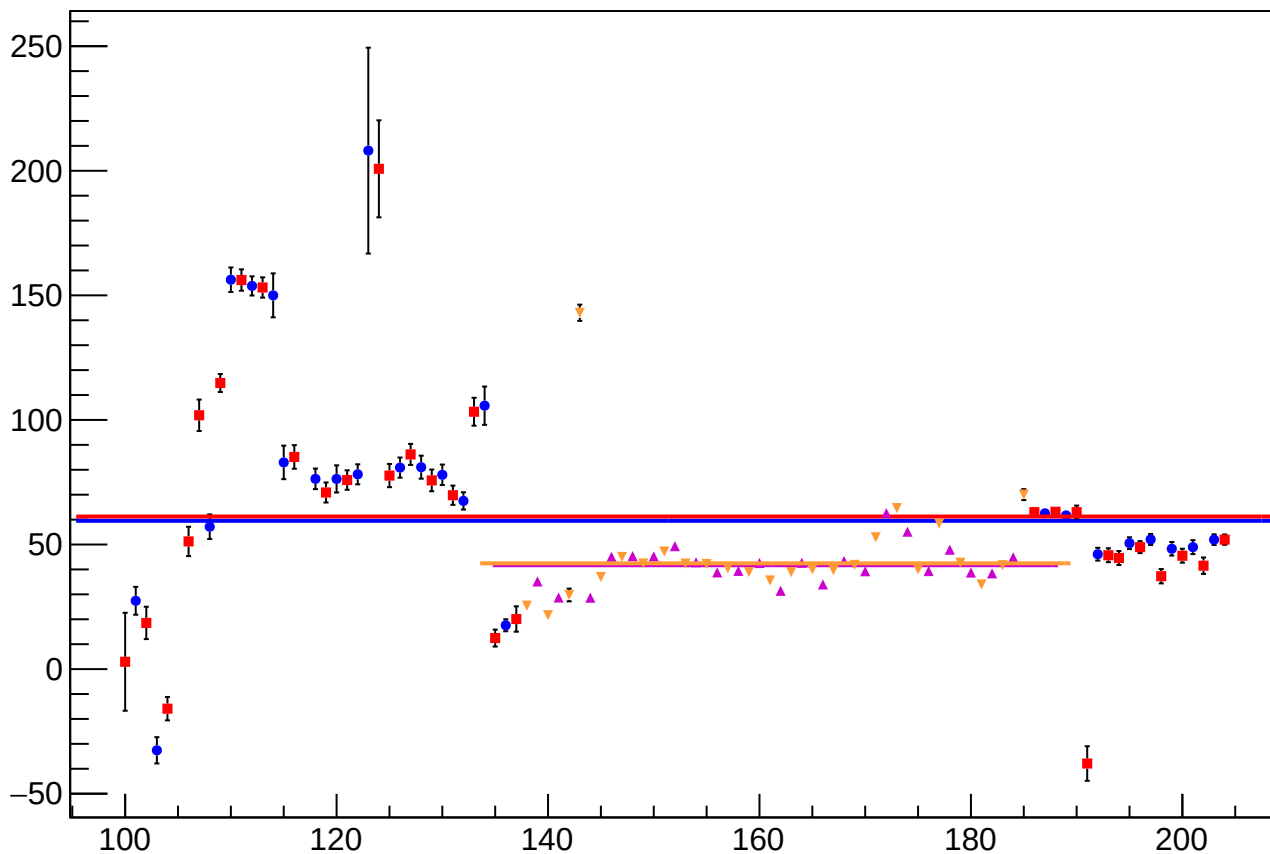
Left In: -4.059 ± 0.228 $\chi^2/\text{NDF}: 577.2/22$

+ sign -3.754 ± 0.205 $\chi^2/\text{NDF}: 986.9/49$

All: -3.682 ± 0.145 $\chi^2/\text{NDF}: 1892.1/102$

- sign -3.610 ± 0.205 $\chi^2/\text{NDF}: 905.0/52$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 59.516 $\pm$ 0.629 χ^2 /NDF: 2020.4/24

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF:2016.0/24

Right Out: 61.235 $\pm$ 0.488 χ^2 /NDF: 2535.1/29

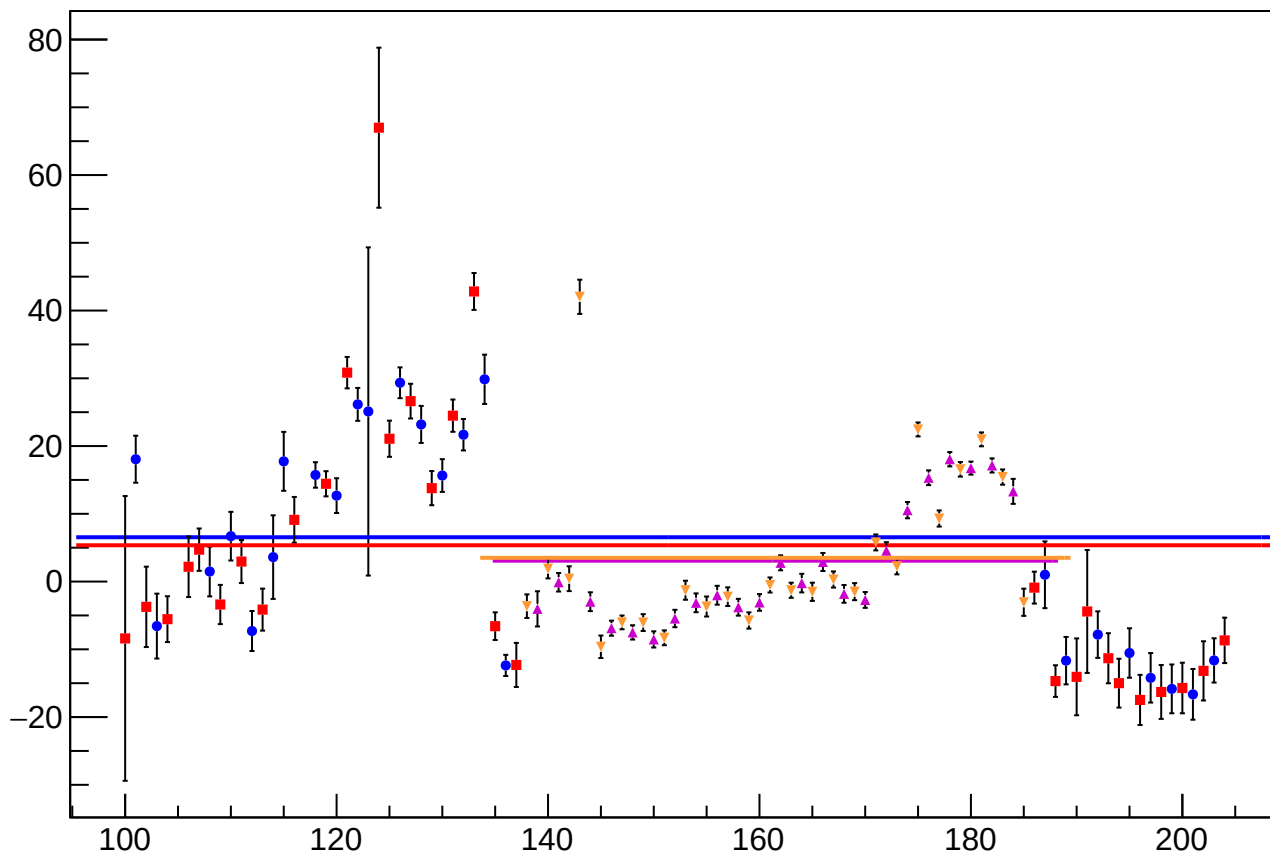
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF:630.2/22

+ sign 45.304 $\pm$ 0.257 χ^2 /NDF: 4648.5/49

All: 46.006 $\pm$ 0.178 χ^2 /NDF: 9026.3/102

- sign 46.645 $\pm$ 0.246 χ^2 /NDF: 4363.5/52

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 6.540 ± 0.593 χ^2/NDF : 734.8/24

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 5.357 ± 0.562 χ^2/NDF : 919.5/29

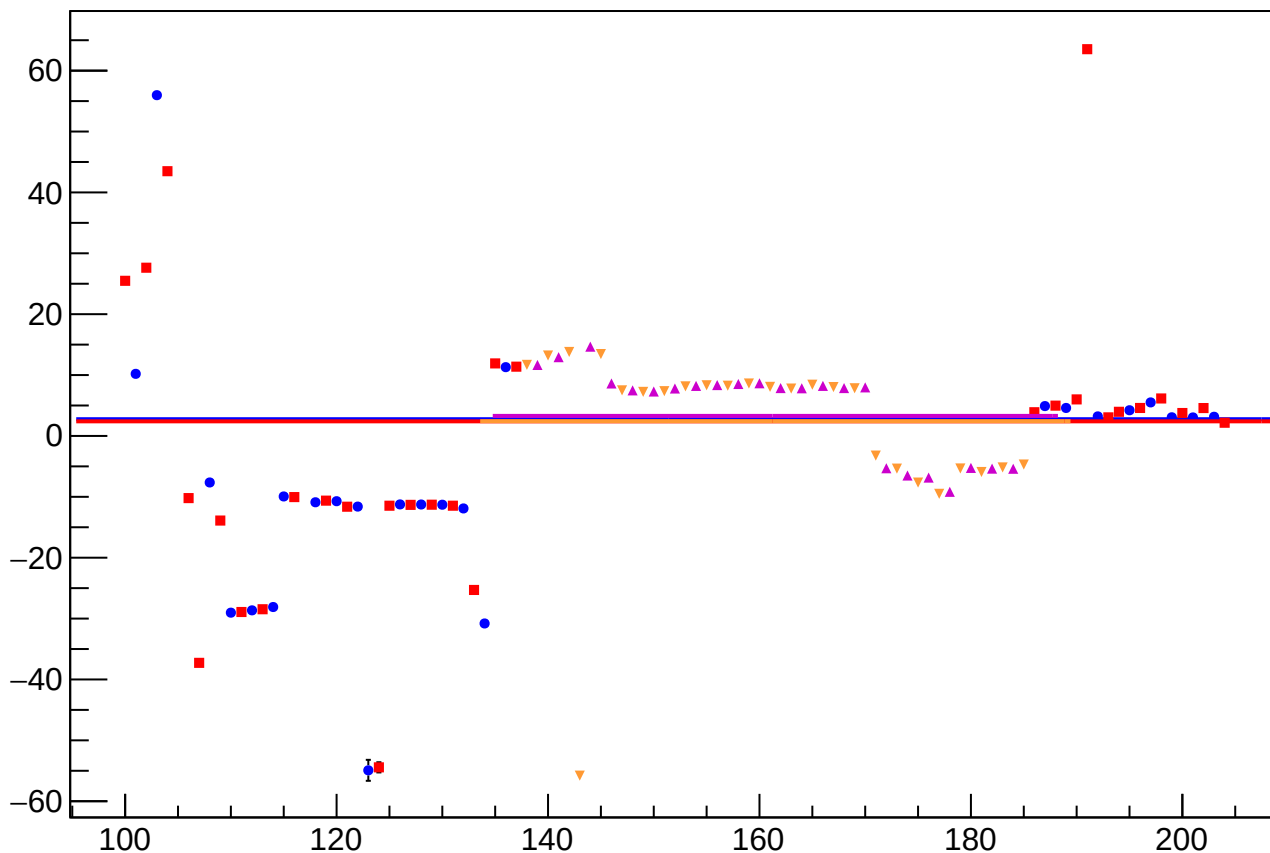
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 3.971 ± 0.232 χ^2/NDF : 2448.3/49

All: 3.725 ± 0.165 χ^2/NDF : 4649.3/102

- sign 3.475 ± 0.234 χ^2/NDF : 2198.8/52

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.748 $\pm$ 0.028 χ^2 /NDF: 359221.4/24

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 2.399 $\pm$ 0.027 χ^2 /NDF: 431245.4/29

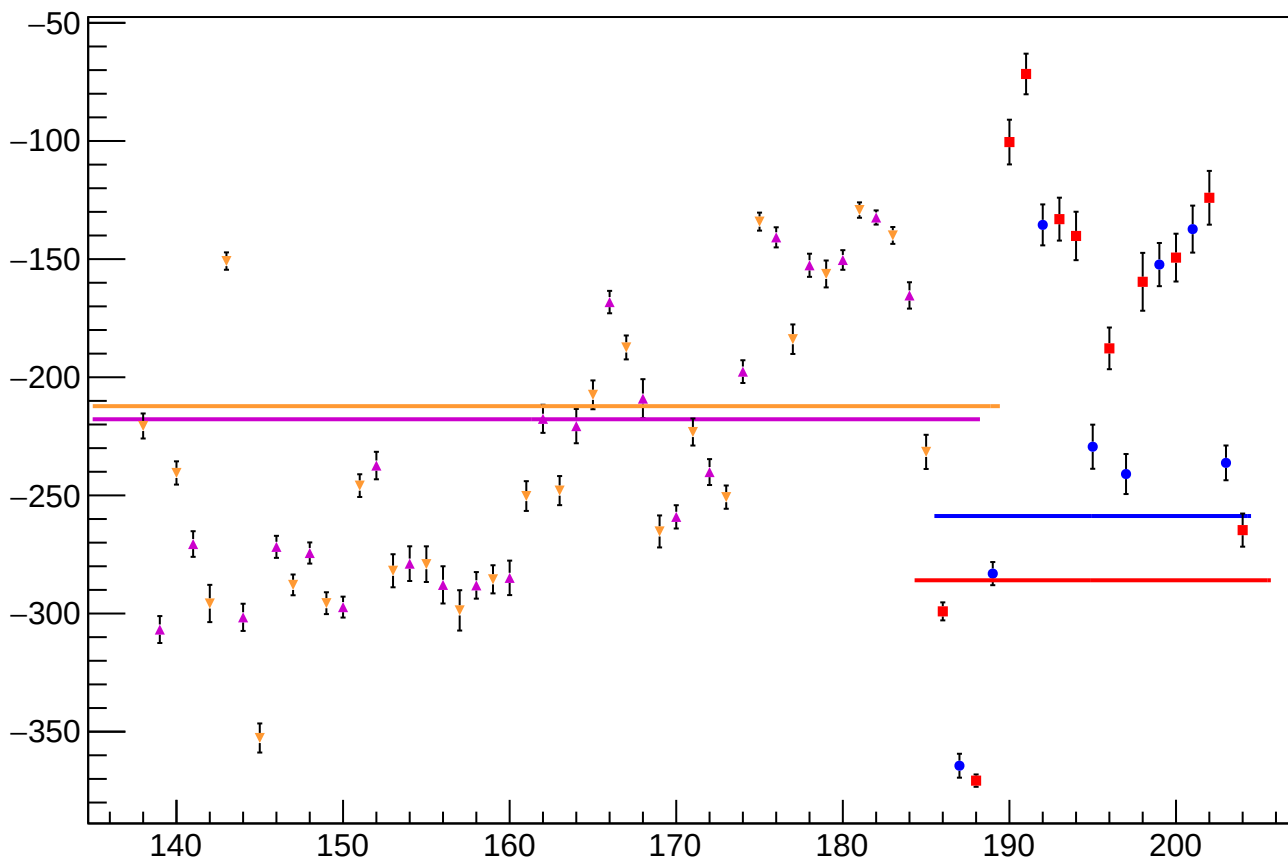
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.472 $\pm$ 0.011 χ^2 /NDF: 975716.5/49

All: 2.811 $\pm$ 0.008 χ^2 /NDF: 1814235.6/102

- sign 3.150 $\pm$ 0.011 χ^2 /NDF: 836507.3/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -258.731 $\pm$ 2.500 χ^2 /NDF: 970.9/7

Left Out: -212.231 $\pm$ 1.029 χ^2 /NDF:3875.4/24

Right Out: -285.928 $\pm$ 1.770 χ^2 /NDF: 3181.0/10

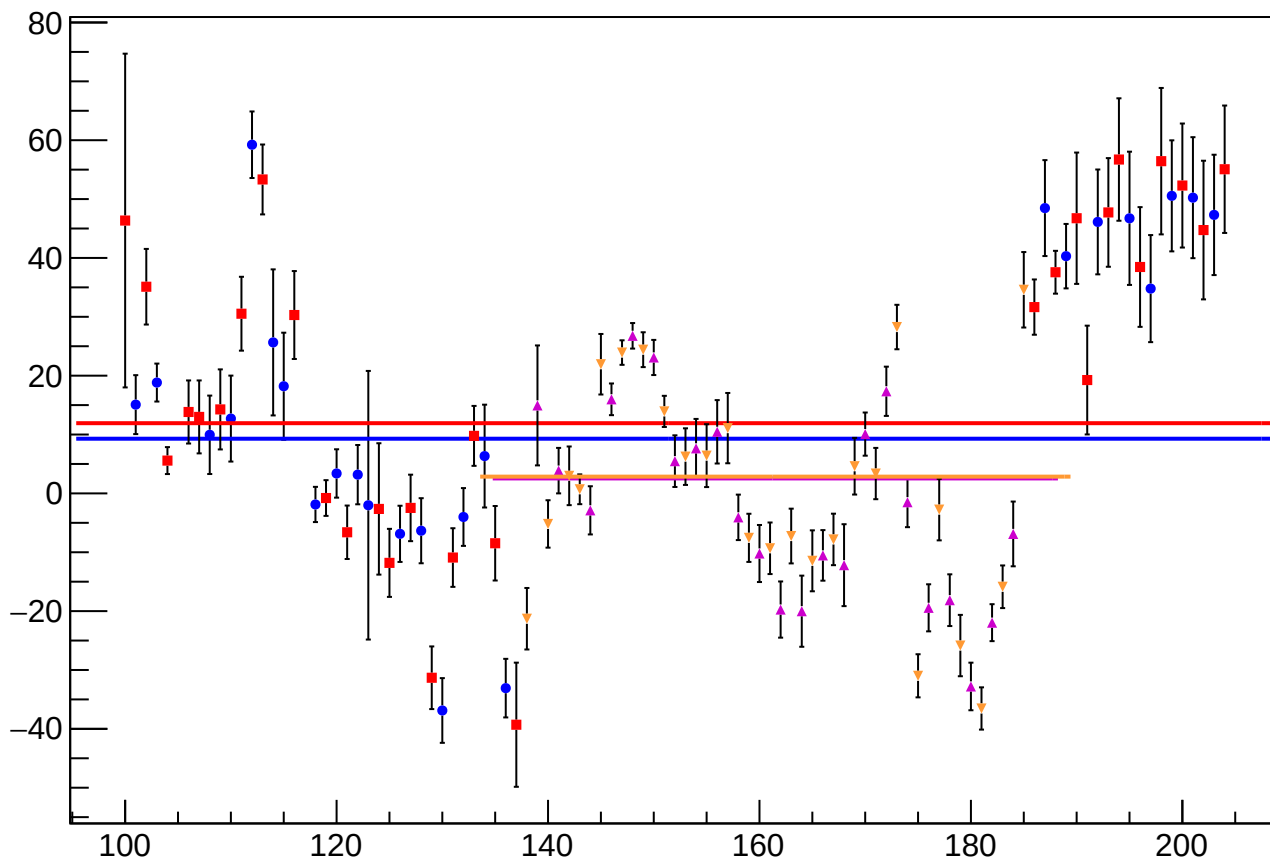
Left In: -217.779 $\pm$ 1.067 χ^2 /NDF:3448.9/22

+ sign -218.971 $\pm$ 0.952 χ^2 /NDF: 5142.0/32

All: -227.801 $\pm$ 0.659 χ^2 /NDF: 13024.5/66

- sign -235.936 $\pm$ 0.914 χ^2 /NDF: 7717.2/33

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 9.289 ± 1.150 χ^2/NDF : 418.8/24

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 11.927 ± 1.027 χ^2/NDF : 435.7/29

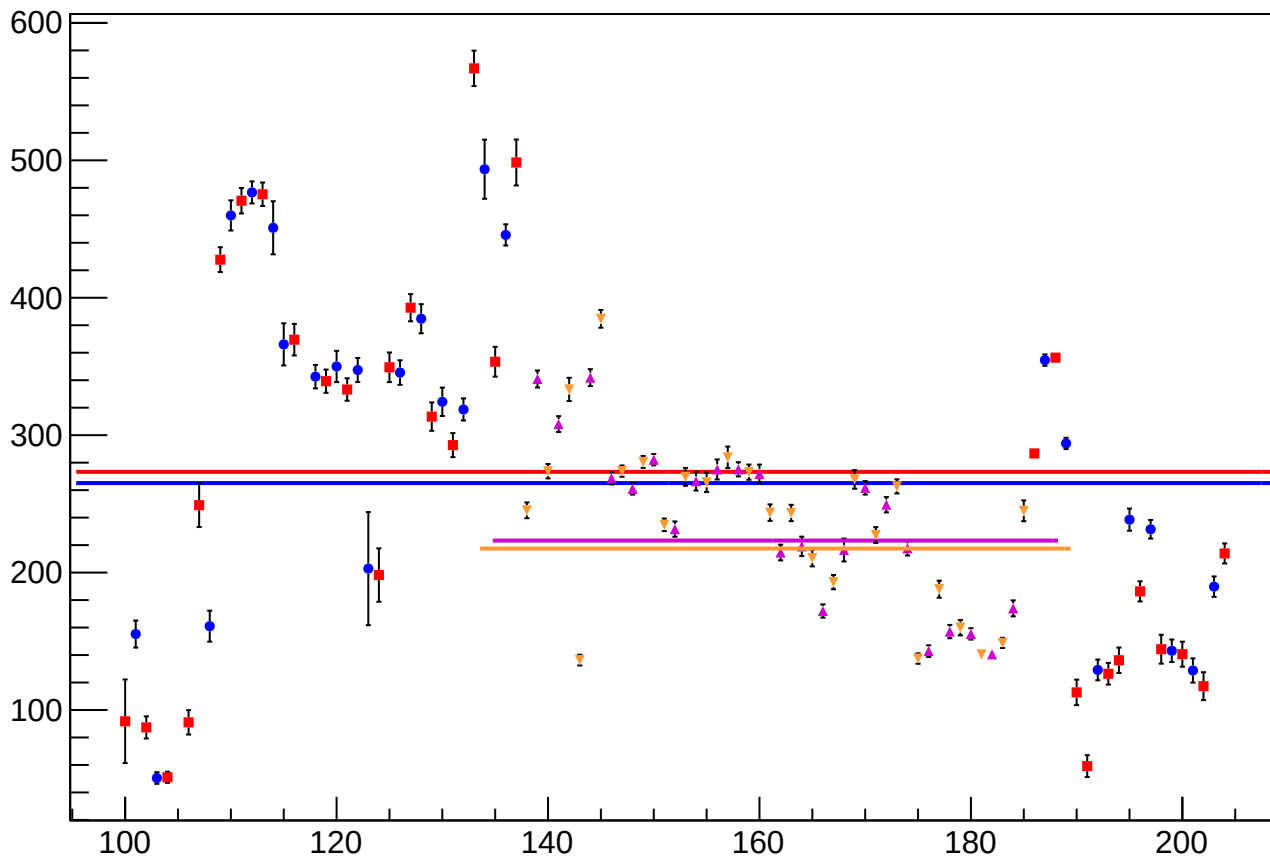
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 4.857 ± 0.643 χ^2/NDF : 1022.5/49

All: 5.533 ± 0.454 χ^2/NDF : 1984.8/102

- sign 6.208 ± 0.642 χ^2/NDF : 960.2/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 265.139 ± 1.538 $\chi^2/\text{NDF}: 6541.3/24$

Left Out: 217.484 ± 1.032 $\chi^2/\text{NDF}: 3769.5/24$

Right Out: 273.323 ± 1.205 $\chi^2/\text{NDF}: 10483.4/29$

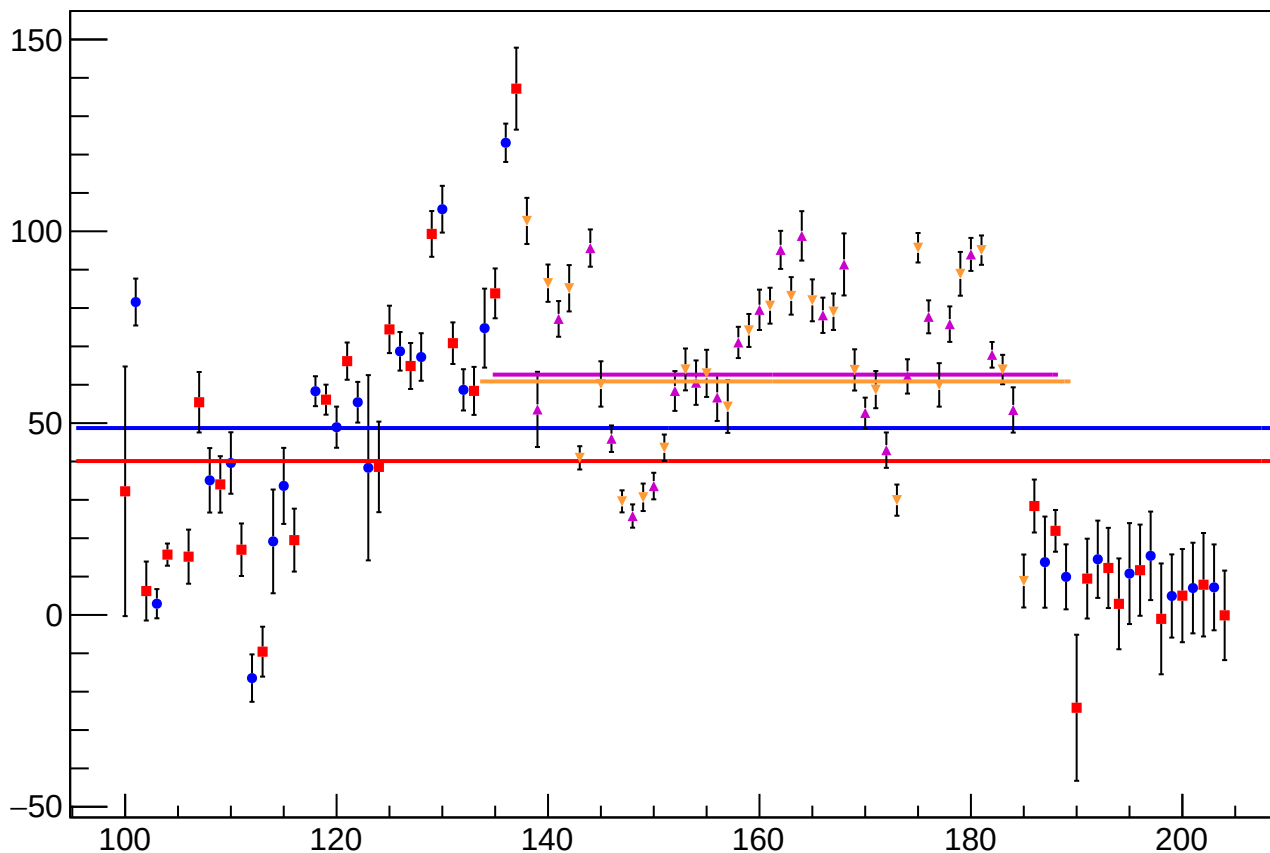
Left In: 223.309 ± 1.062 $\chi^2/\text{NDF}: 3378.0/22$

+ sign 232.286 ± 0.857 $\chi^2/\text{NDF}: 10972.7/49$

All: 239.201 ± 0.584 $\chi^2/\text{NDF}: 25925.2/102$

- sign 245.174 ± 0.797 $\chi^2/\text{NDF}: 14831.2/52$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 48.717 ± 1.349 χ^2/NDF : 747.6/24

Left Out: 60.863 ± 0.897 χ^2/NDF : 731.6/24

Right Out: 40.115 ± 1.235 χ^2/NDF : 635.2/29

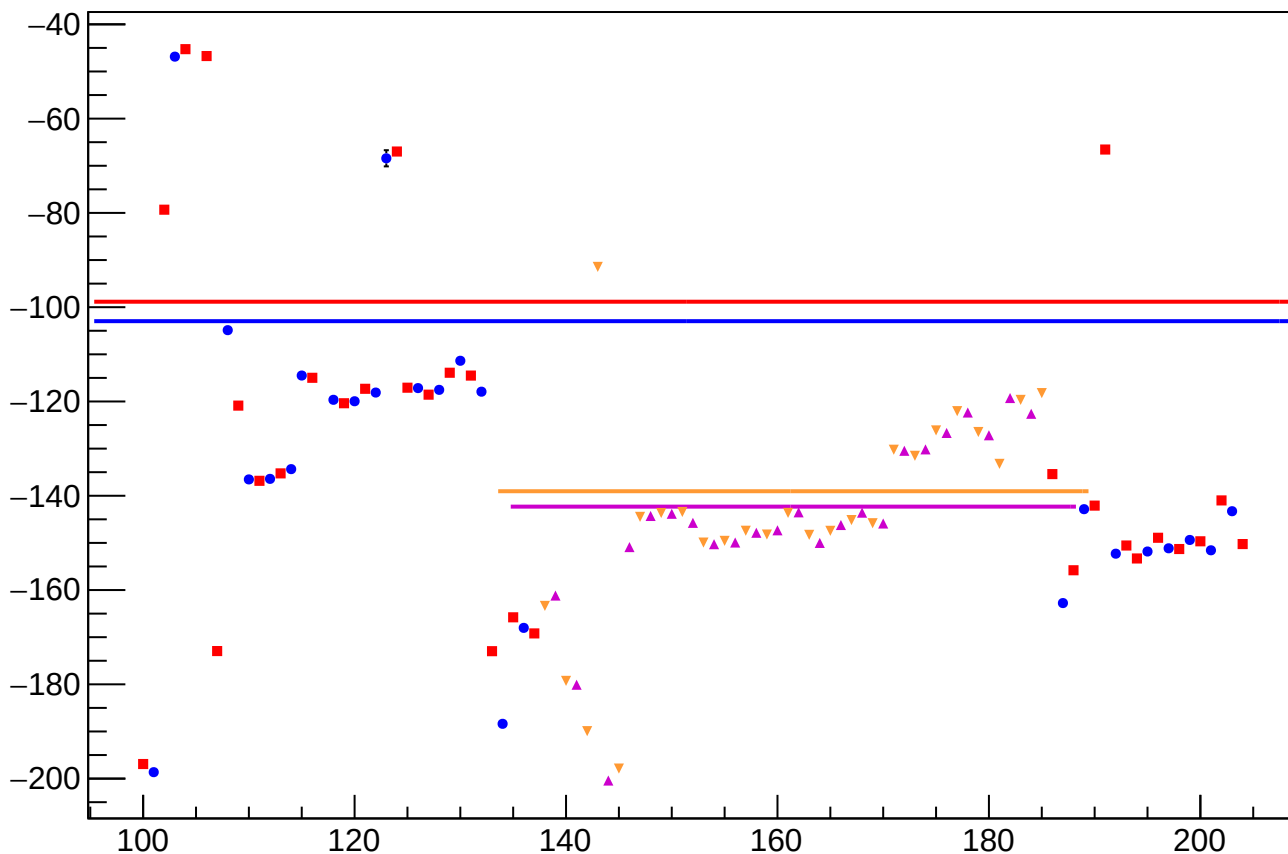
Left In: 62.640 ± 0.943 χ^2/NDF : 515.4/22

+ sign 57.141 ± 0.747 χ^2/NDF : 1535.5/49

All: 55.748 ± 0.529 χ^2/NDF : 2903.4/102

- sign 54.345 ± 0.749 χ^2/NDF : 1360.9/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -102.964 ± 0.060 χ^2/NDF : 689817.5/24

Left Out: -139.040 ± 0.043 χ^2/NDF : 258113.4/24

Right Out: -98.838 ± 0.056 χ^2/NDF : 726785.6/29

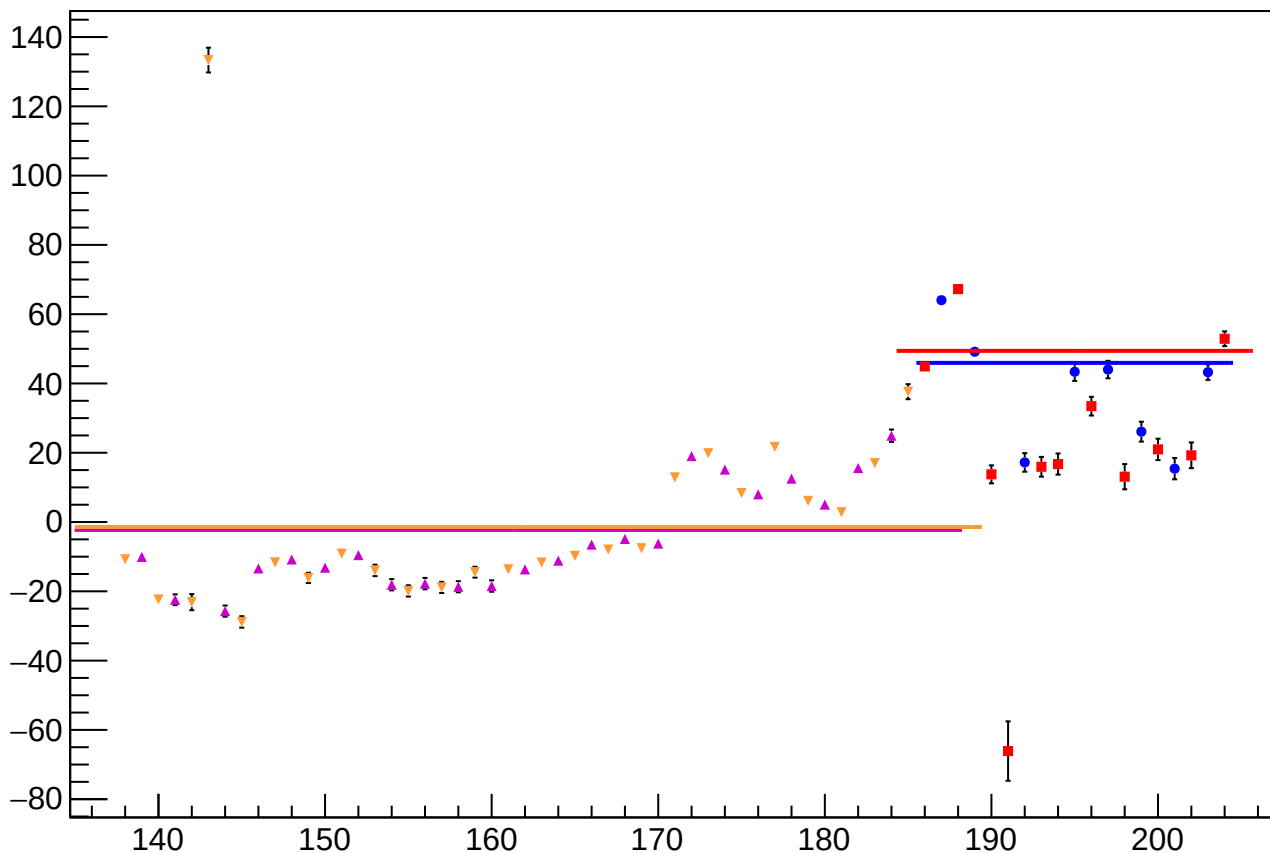
Left In: -142.305 ± 0.044 χ^2/NDF : 143351.8/22

+ sign -126.964 ± 0.035 χ^2/NDF : 1184990.2/49

All: -126.340 ± 0.025 χ^2/NDF : 2426669.4/10

- sign -125.727 ± 0.035 χ^2/NDF : 1241048.0/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 45.945 ± 0.735 $\chi^2/\text{NDF}: 437.9/7$

Left Out: -1.427 ± 0.268 $\chi^2/\text{NDF}: 4339.0/24$

Right Out: 49.408 ± 0.500 $\chi^2/\text{NDF}: 1465.1/10$

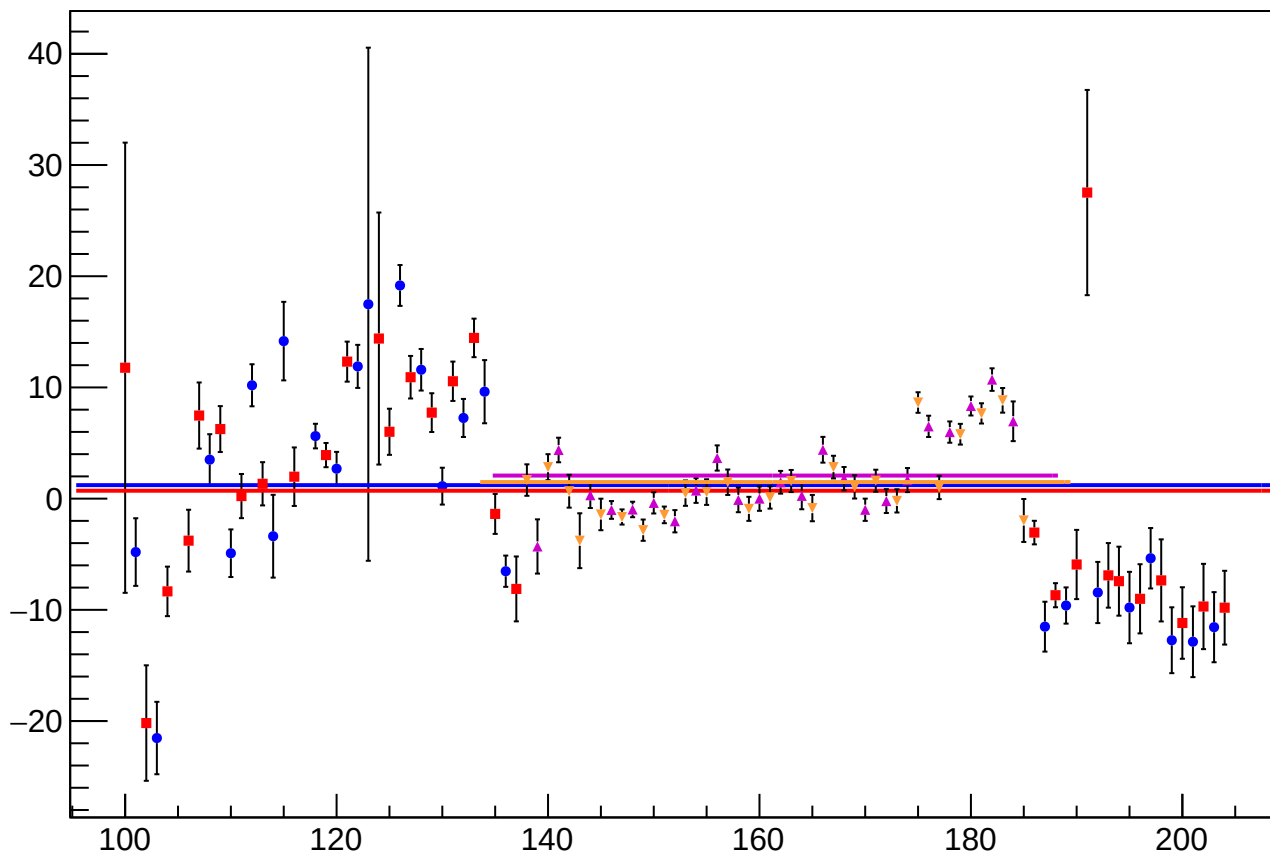
Left In: -2.270 ± 0.271 $\chi^2/\text{NDF}: 2521.6/22$

+ sign 4.125 ± 0.251 $\chi^2/\text{NDF}: 8448.7/32$

All: 6.937 ± 0.173 $\chi^2/\text{NDF}: 20940.5/66$

- sign 9.457 ± 0.238 $\chi^2/\text{NDF}: 12254.7/33$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 1.212 ± 0.417 χ^2/NDF : 489.6/24

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: 0.713 ± 0.379 χ^2/NDF : 415.9/29

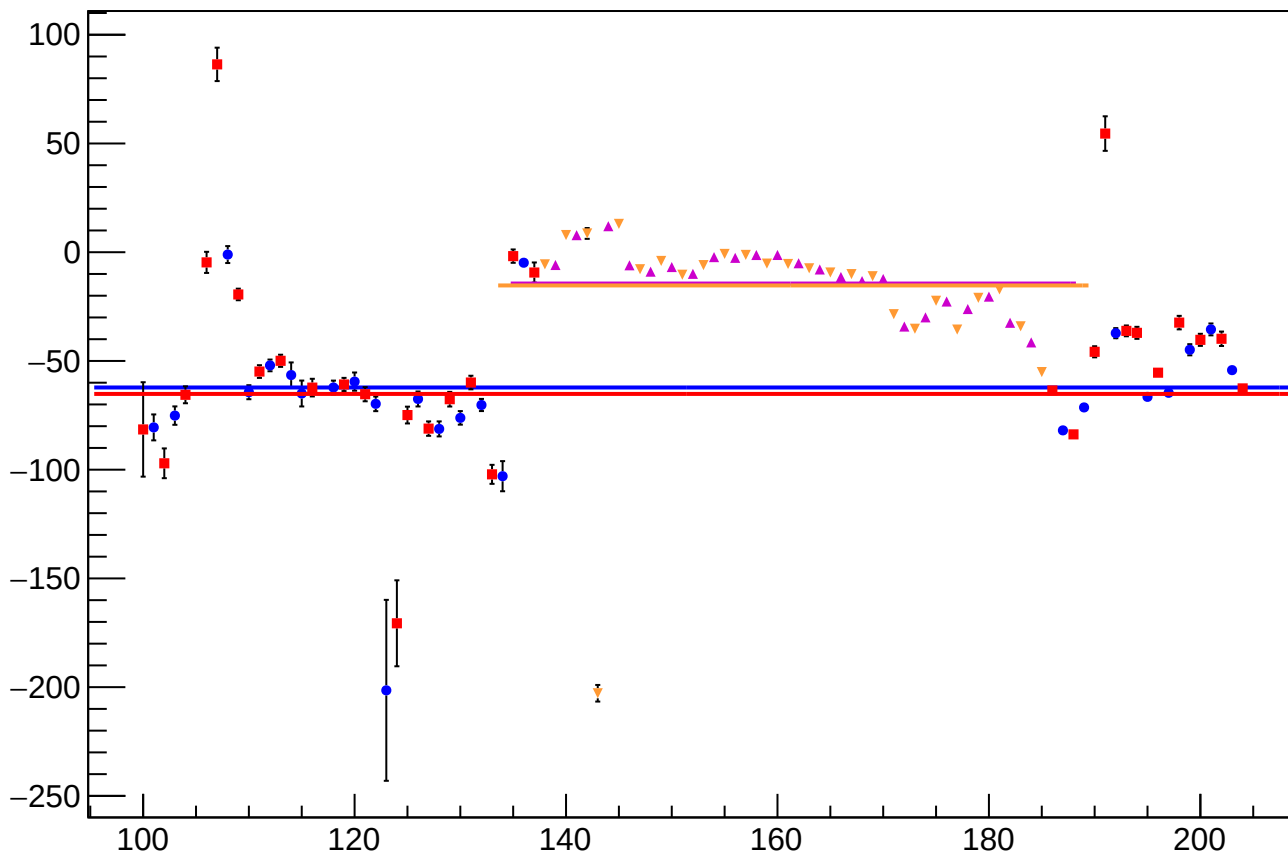
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.435 ± 0.188 χ^2/NDF : 749.0/49

All: 1.589 ± 0.133 χ^2/NDF : 1450.6/102

- sign 1.742 ± 0.187 χ^2/NDF : 700.2/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -62.200 ± 0.509 χ^2/NDF : 1723.3/24

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -65.161 ± 0.372 χ^2/NDF : 3302.6/29

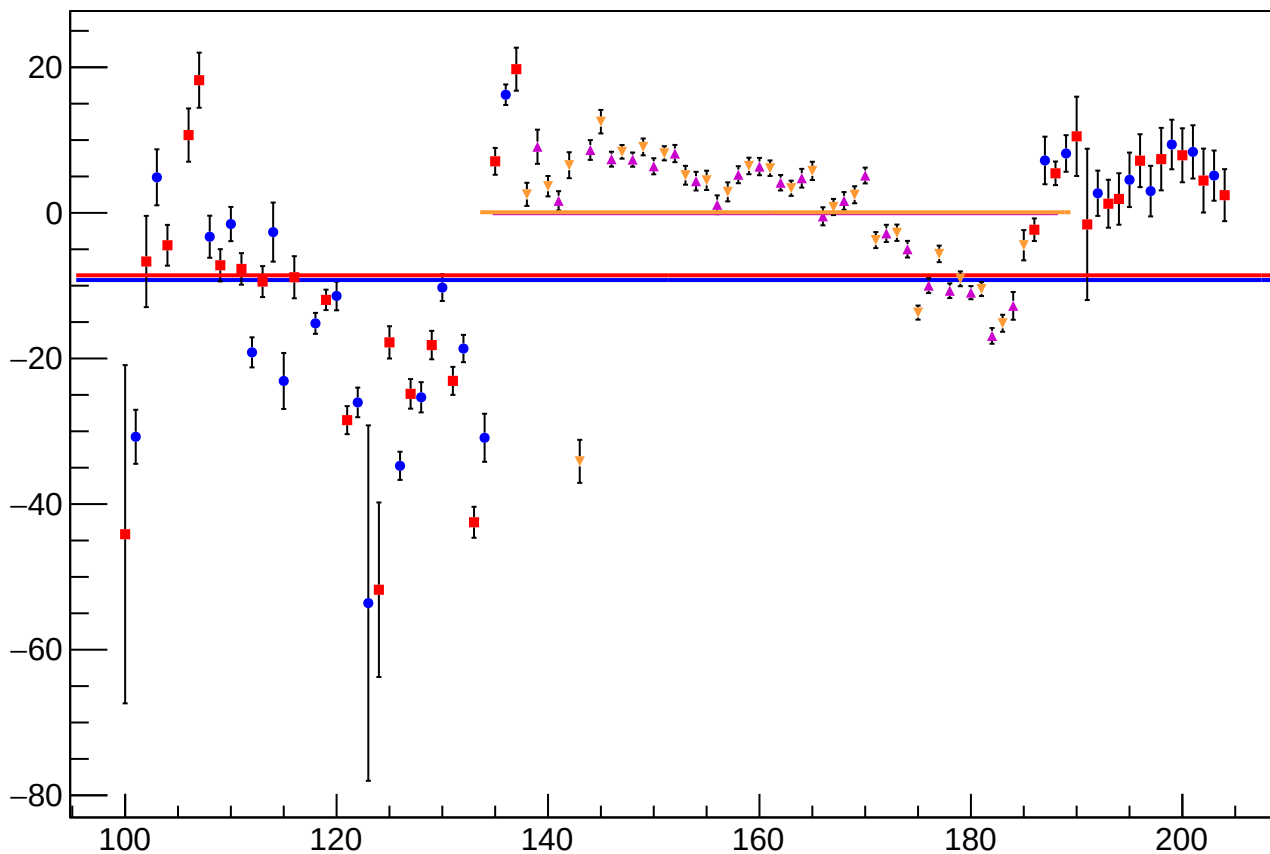
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -25.404 ± 0.236 χ^2/NDF : 13217.4/49

All: -28.866 ± 0.160 χ^2/NDF : 31153.5/102

- sign -31.818 ± 0.218 χ^2/NDF : 17538.2/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -9.226 ± 0.487 χ^2/NDF : 1003.0/24

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -8.577 ± 0.457 χ^2/NDF : 980.9/29

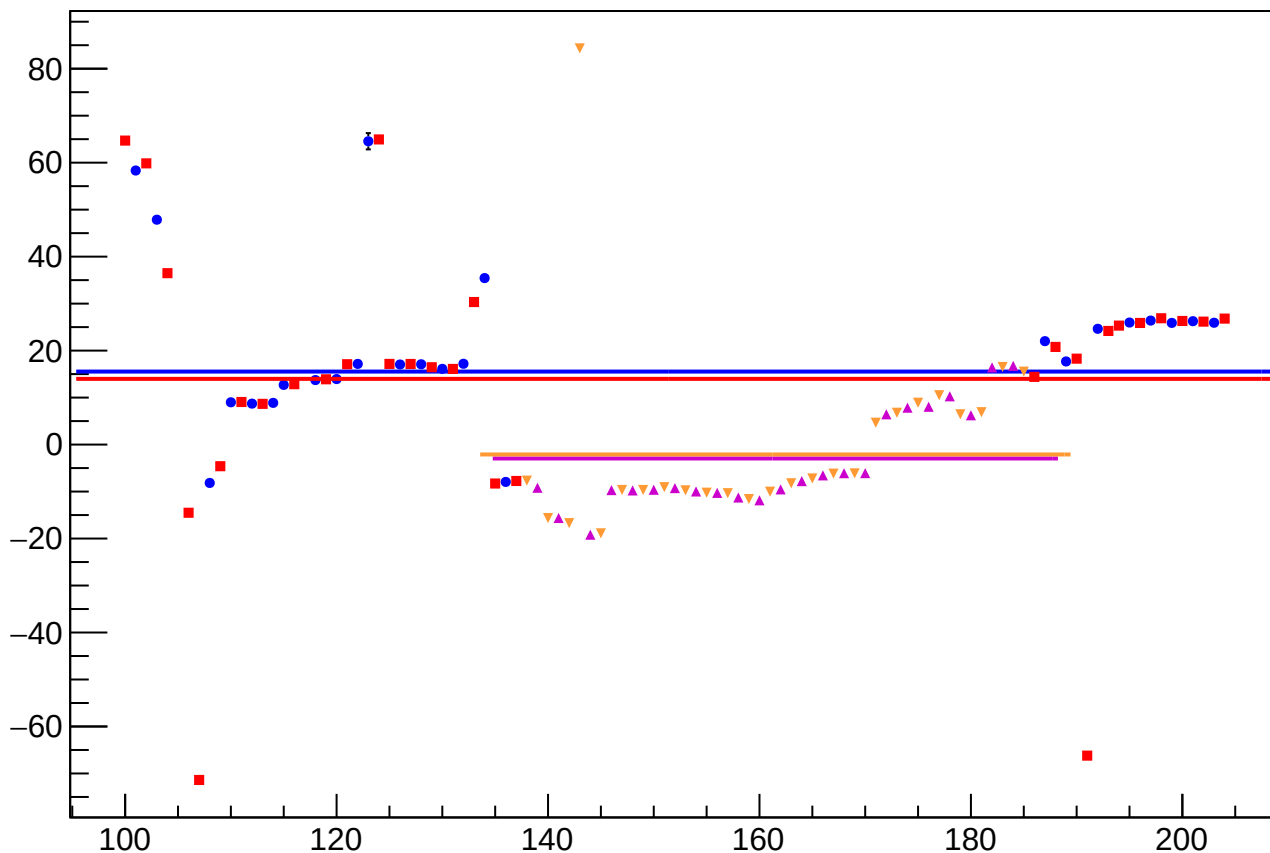
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.711 ± 0.214 χ^2/NDF : 2470.3/49

All: -1.818 ± 0.152 χ^2/NDF : 4751.8/102

- sign -1.926 ± 0.215 χ^2/NDF : 2281.0/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 15.540 $\pm$ 0.025 χ^2 /NDF: 464670.9/24

Left Out: -2.105 $\pm$ 0.011 χ^2 /NDF: 1093120.2/24

Right Out: 13.986 $\pm$ 0.024 χ^2 /NDF: 742792.5/29

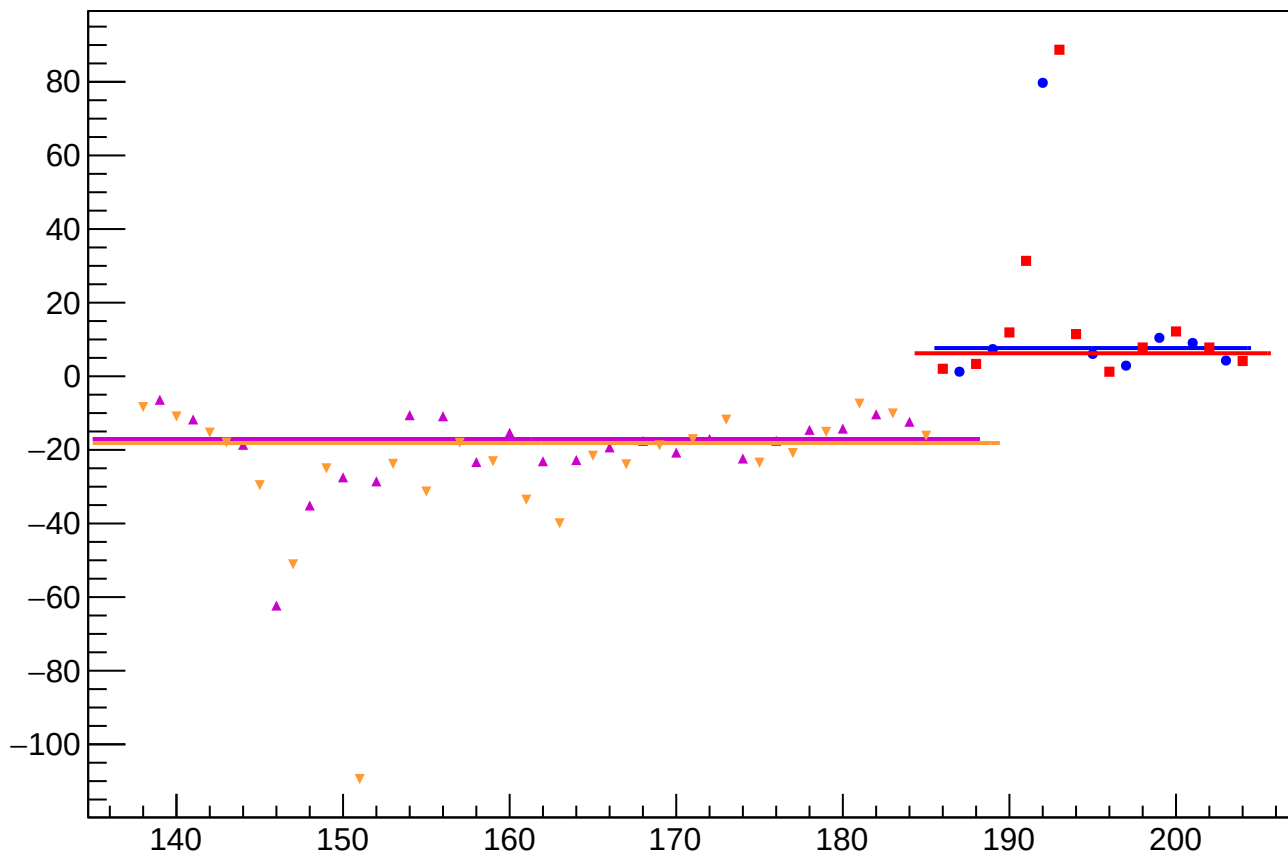
Left In: -2.959 $\pm$ 0.011 χ^2 /NDF: 763000.9/22

+ sign 0.819 $\pm$ 0.010 χ^2 /NDF: 1990357.2/49

All: 0.453 $\pm$ 0.007 χ^2 /NDF: 3925271.7/102

- sign 0.087 $\pm$ 0.010 χ^2 /NDF: 1932214.1/52

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 7.670 ± 0.077 $\chi^2/\text{NDF}: 24805.5/7$

Left Out: -18.128 ± 0.039 $\chi^2/\text{NDF}: 88551.6/24$

Right Out: 6.249 ± 0.065 $\chi^2/\text{NDF}: 25747.3/10$

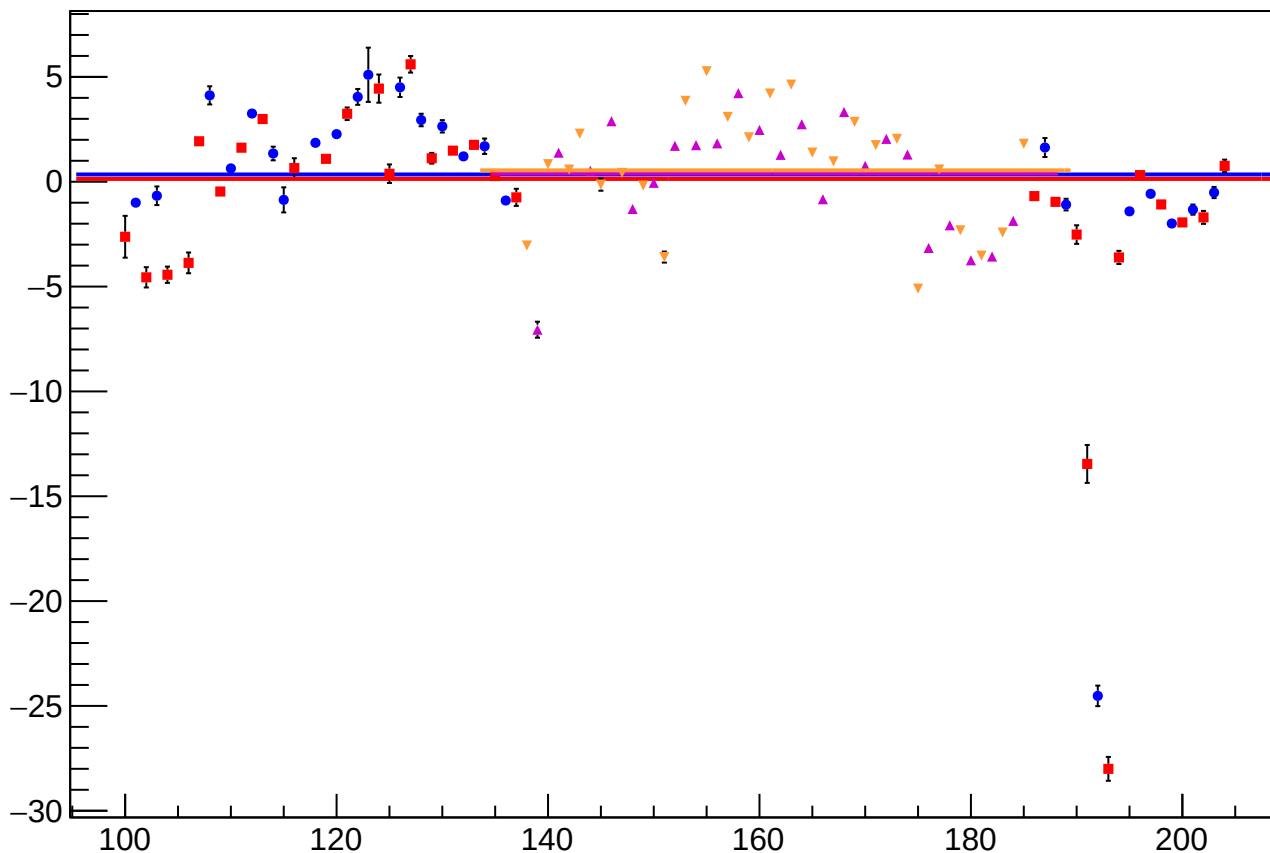
Left In: -17.038 ± 0.038 $\chi^2/\text{NDF}: 44141.1/22$

+ sign -12.852 ± 0.035 $\chi^2/\text{NDF}: 203236.2/32$

All: -11.900 ± 0.024 $\chi^2/\text{NDF}: 370422.6/66$

- sign -11.045 ± 0.033 $\chi^2/\text{NDF}: 165758.3/33$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.347 ± 0.051 $\chi^2/\text{NDF}: 3812.5/24$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.134 ± 0.047 $\chi^2/\text{NDF}: 4250.6/29$

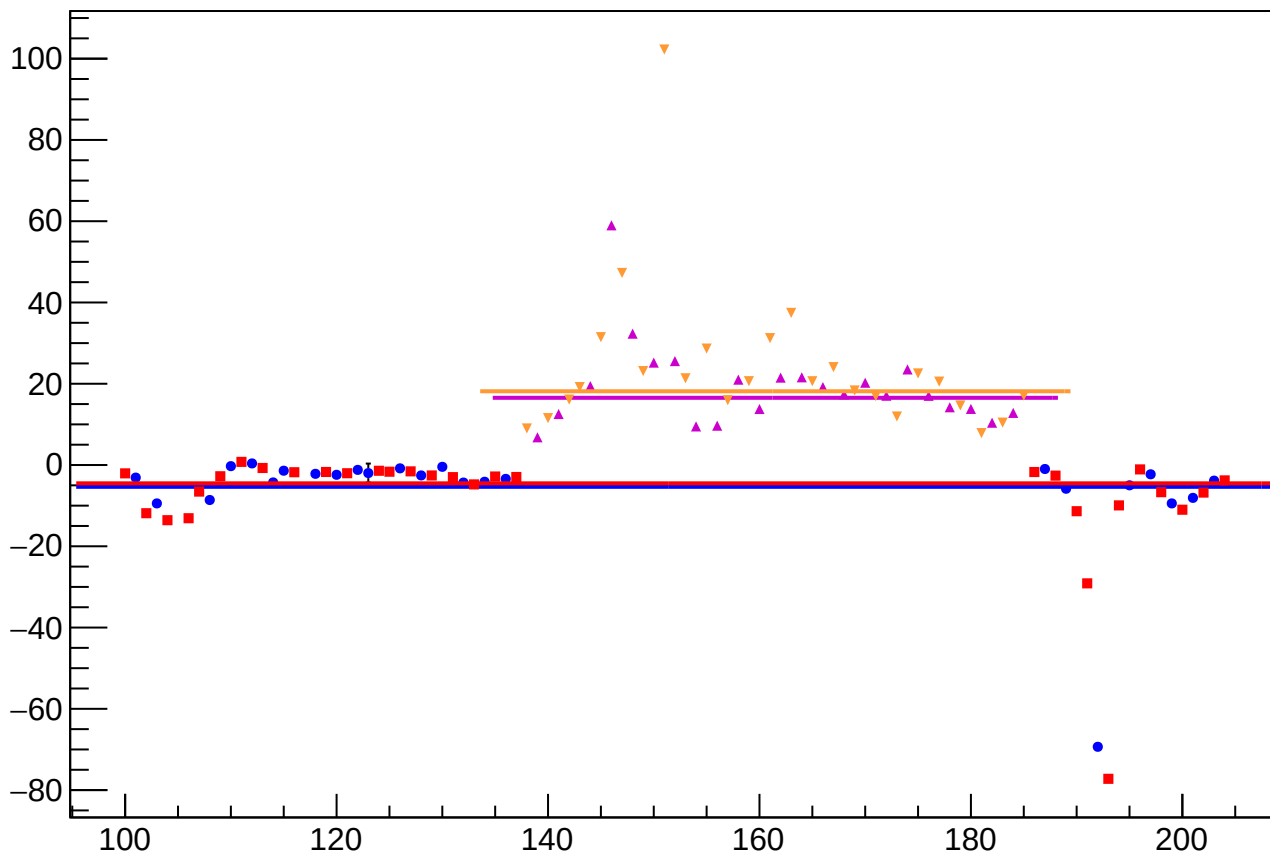
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.486 ± 0.027 $\chi^2/\text{NDF}: 10908.4/49$

All: 0.397 ± 0.019 $\chi^2/\text{NDF}: 21436.6/102$

- sign 0.318 ± 0.026 $\chi^2/\text{NDF}: 10508.1/52$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.362 ± 0.057 $\chi^2/\text{NDF}: 26620.4/24$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.508 ± 0.048 $\chi^2/\text{NDF}: 27651.1/29$

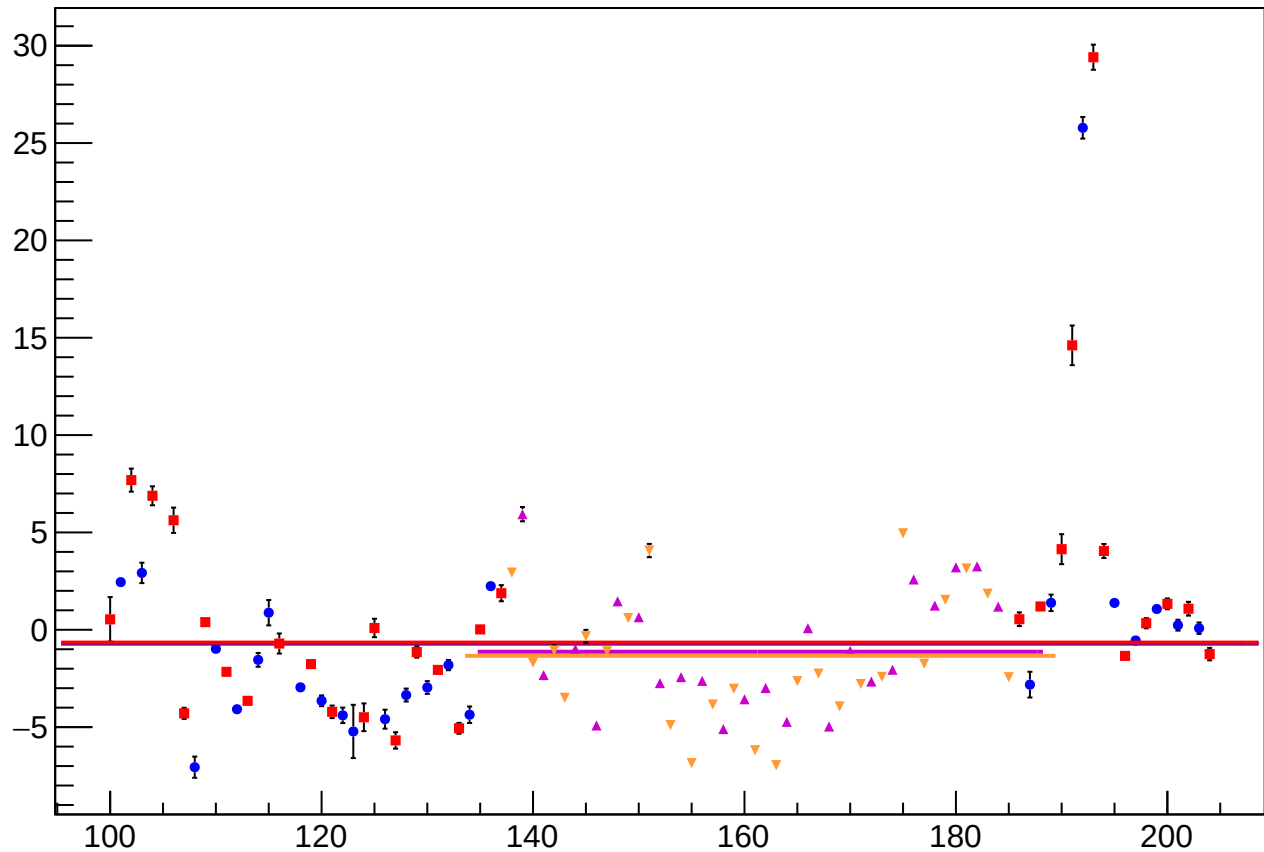
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 10.678 ± 0.032 $\chi^2/\text{NDF}: 219410.2/49$

All: 9.524 ± 0.022 $\chi^2/\text{NDF}: 408364.3/102$

- sign 8.545 ± 0.030 $\chi^2/\text{NDF}: 186592.6/52$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.710 ± 0.059 $\chi^2/\text{NDF}: 3897.5/24$

Left Out: -1.338 ± 0.036 $\chi^2/\text{NDF}: 7943.1/24$

Right Out: -0.658 ± 0.055 $\chi^2/\text{NDF}: 4469.9/29$

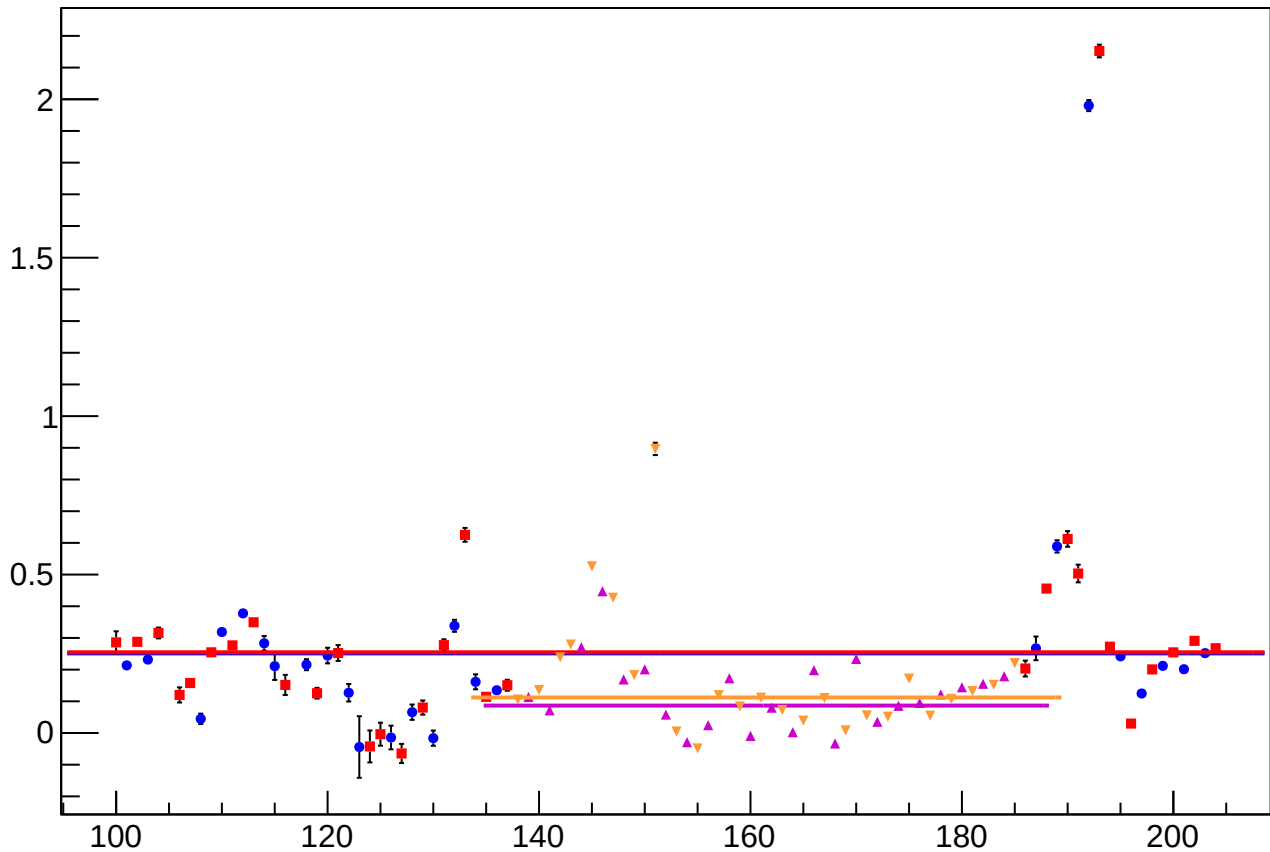
Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6740.3/22$

+ sign -1.169 ± 0.031 $\chi^2/\text{NDF}: 11922.9/49$

All: -1.078 ± 0.021 $\chi^2/\text{NDF}: 23202.5/102$

- sign -0.998 ± 0.029 $\chi^2/\text{NDF}: 11263.3/52$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.251 ± 0.003 χ^2/NDF : 11170.3/24

Left Out: 0.112 ± 0.002 χ^2/NDF : 4503.9/24

Right Out: 0.255 ± 0.002 χ^2/NDF : 11594.9/29

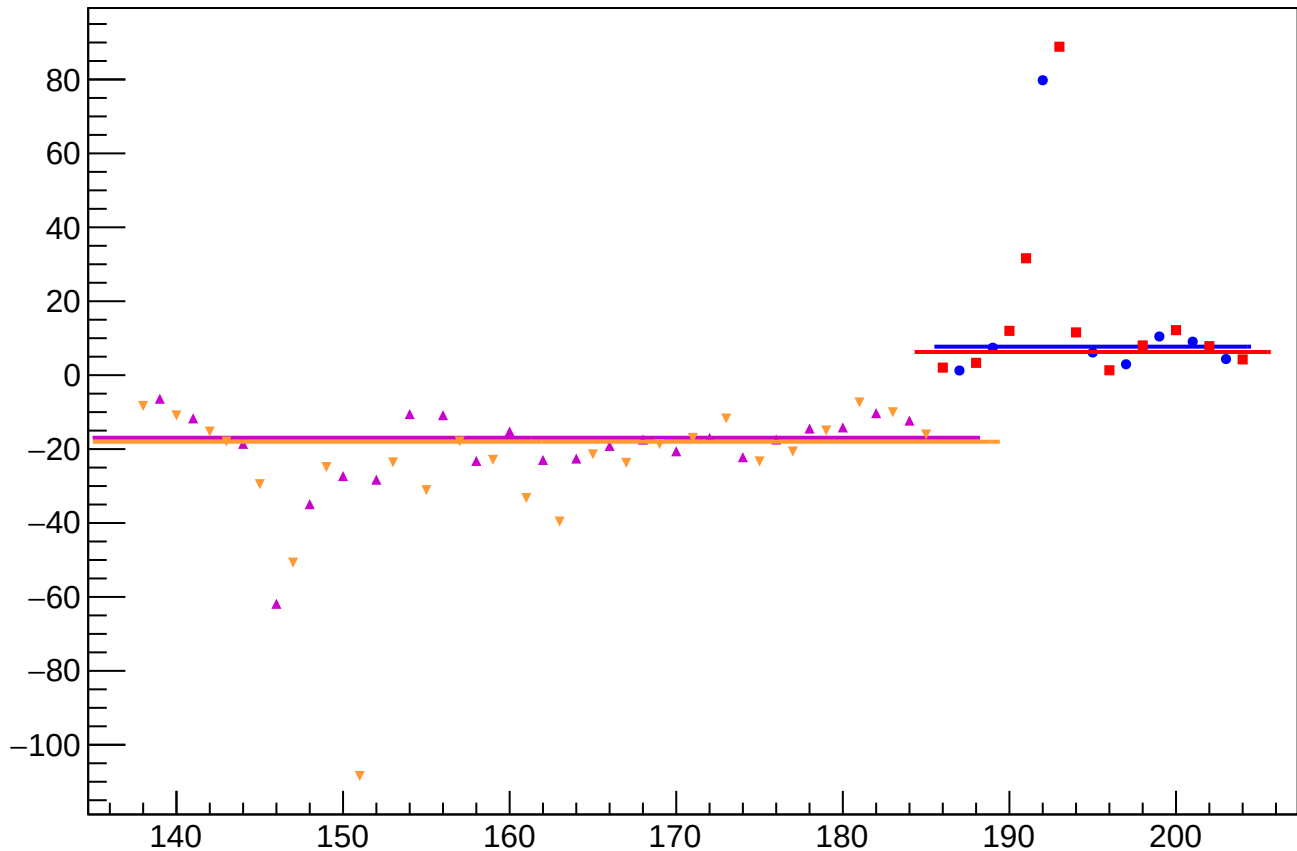
Left In: 0.087 ± 0.002 χ^2/NDF : 3655.4/22

+ sign 0.150 ± 0.001 χ^2/NDF : 17716.0/49

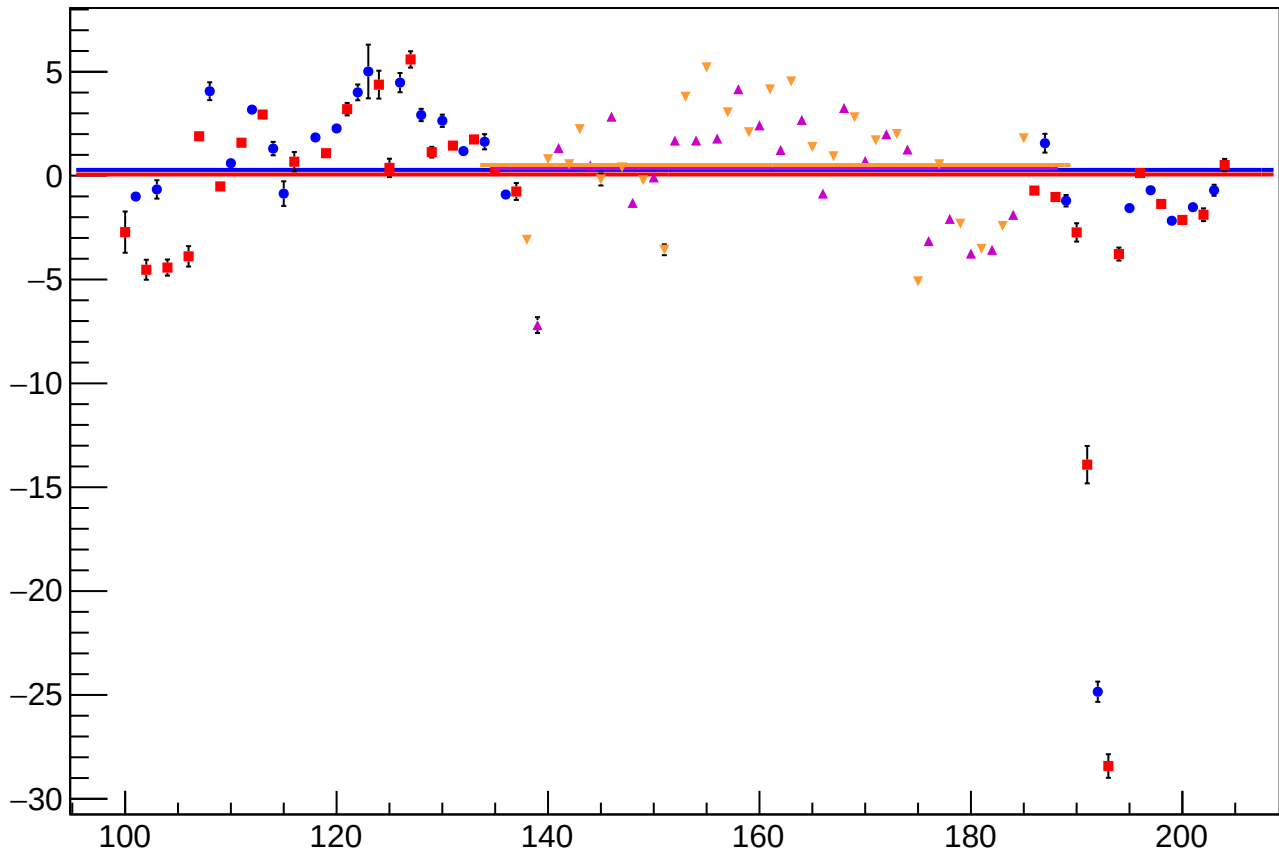
All: 0.140 ± 0.001 χ^2/NDF : 36394.0/102

- sign 0.131 ± 0.001 χ^2/NDF : 18578.9/52

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.277 ± 0.051 χ^2/NDF : 3945.8/24

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.056 ± 0.047 χ^2/NDF : 4414.2/29

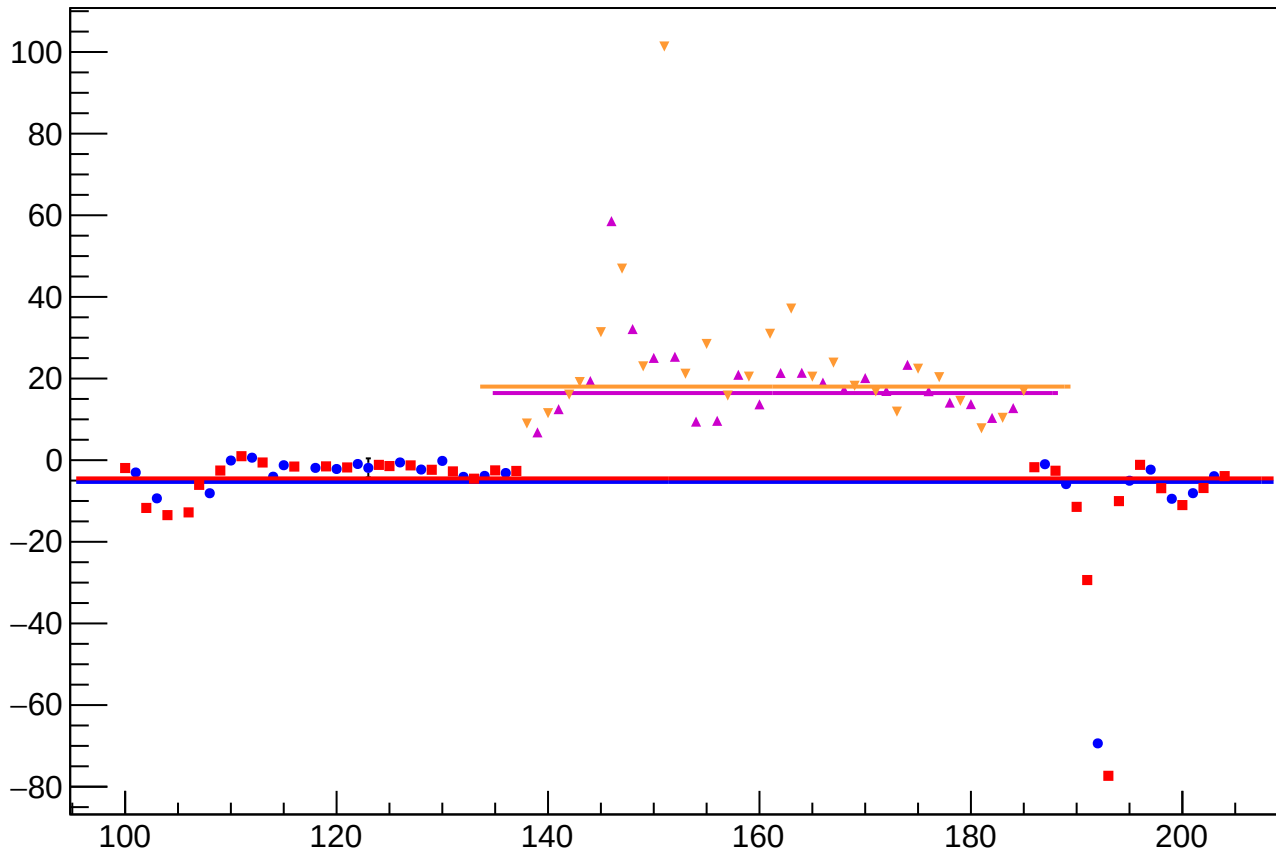
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.444 ± 0.027 χ^2/NDF : 11031.5/49

All: 0.351 ± 0.019 χ^2/NDF : 21718.4/102

- sign 0.269 ± 0.026 χ^2/NDF : 10664.8/52

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.326 ± 0.057 $\chi^2/\text{NDF}: 26943.4/24$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -4.466 ± 0.048 $\chi^2/\text{NDF}: 28117.6/29$

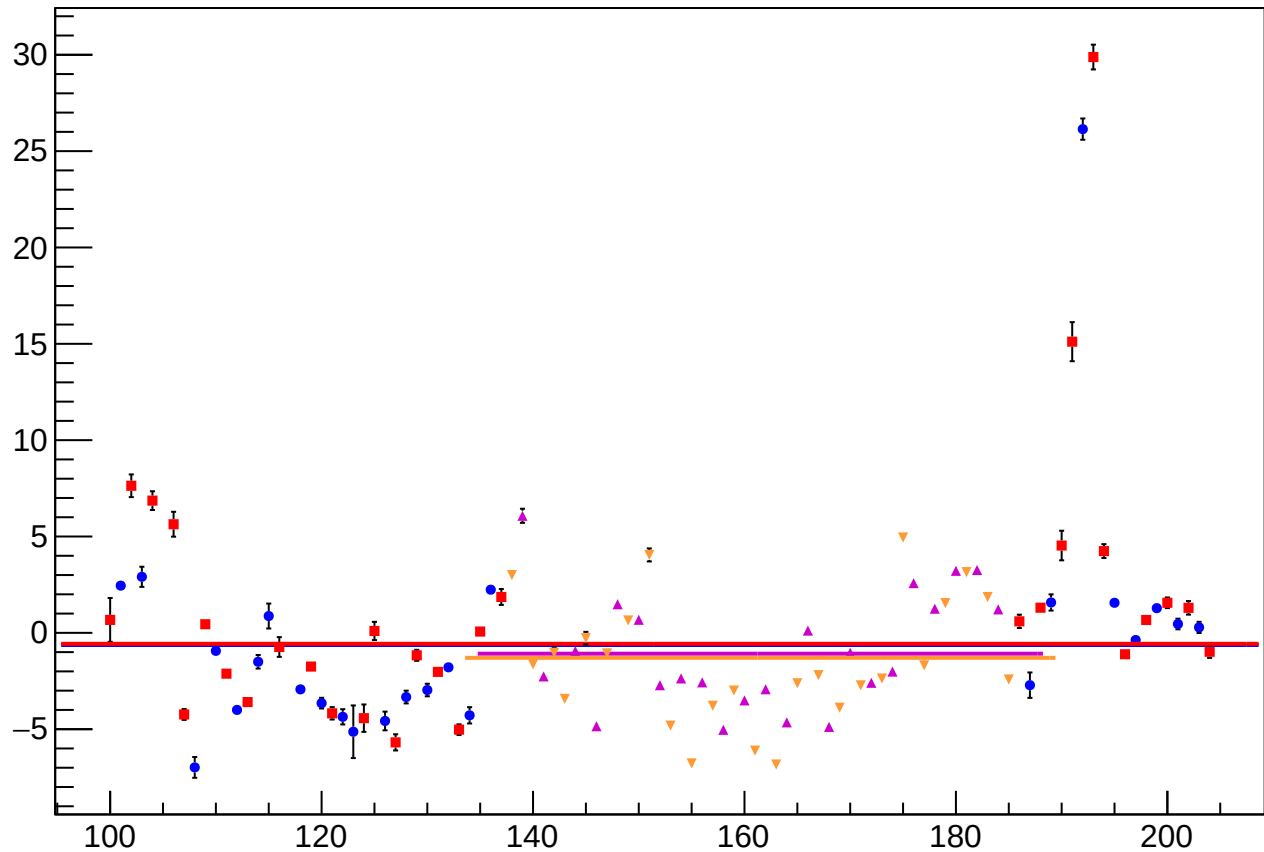
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 10.628 ± 0.032 $\chi^2/\text{NDF}: 219317.0/49$

All: 9.469 ± 0.022 $\chi^2/\text{NDF}: 408831.4/102$

- sign 8.489 ± 0.030 $\chi^2/\text{NDF}: 187107.7/52$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.629 ± 0.059 $\chi^2/\text{NDF}: 4006.1/24$

Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7925.1/24$

Right Out: -0.568 ± 0.055 $\chi^2/\text{NDF}: 4622.4/29$

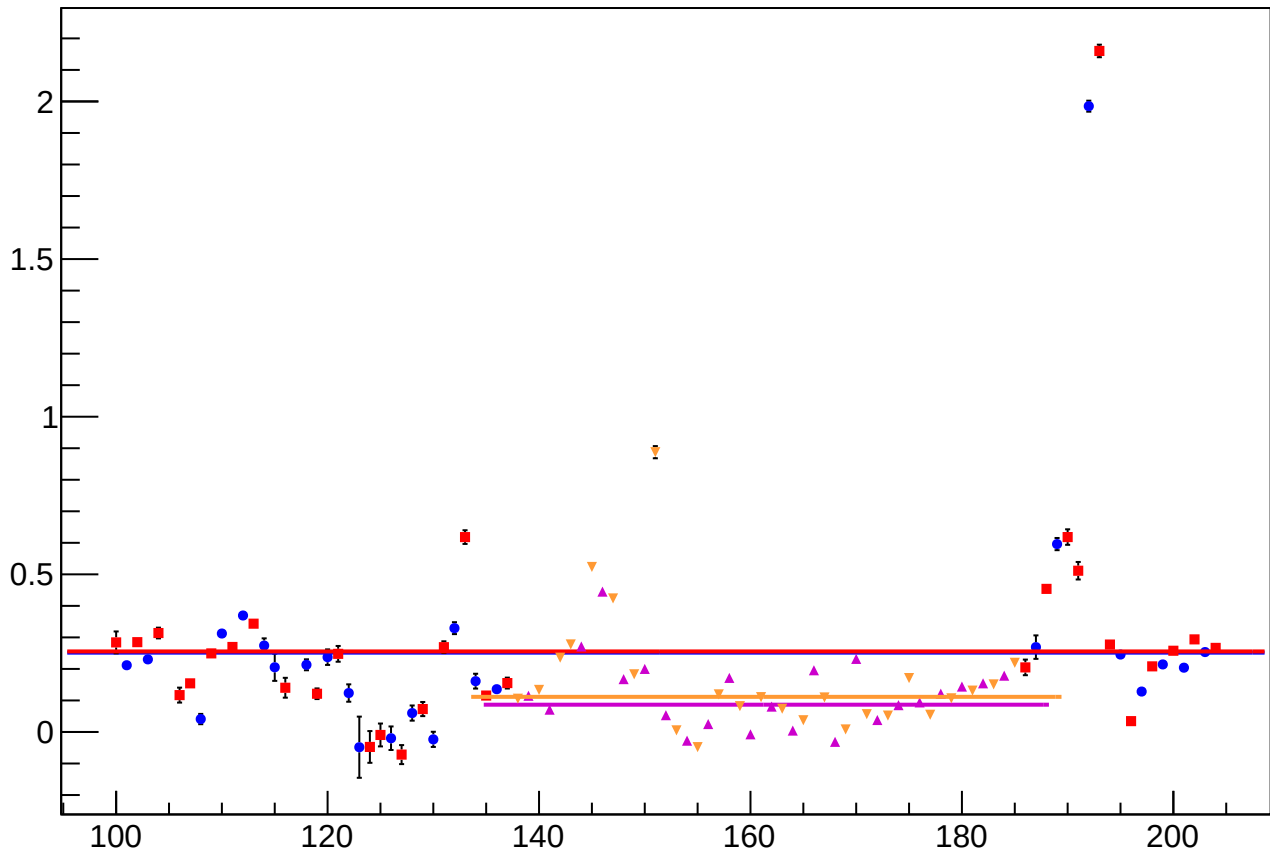
Left In: -1.082 ± 0.034 $\chi^2/\text{NDF}: 6724.1/22$

+ sign -1.118 ± 0.030 $\chi^2/\text{NDF}: 12025.5/49$

All: -1.023 ± 0.021 $\chi^2/\text{NDF}: 23454.2/102$

- sign -0.939 ± 0.029 $\chi^2/\text{NDF}: 11410.5/52$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.252 ± 0.003 χ^2/NDF : 11297.5/24

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.255 ± 0.002 χ^2/NDF : 11731.4/29

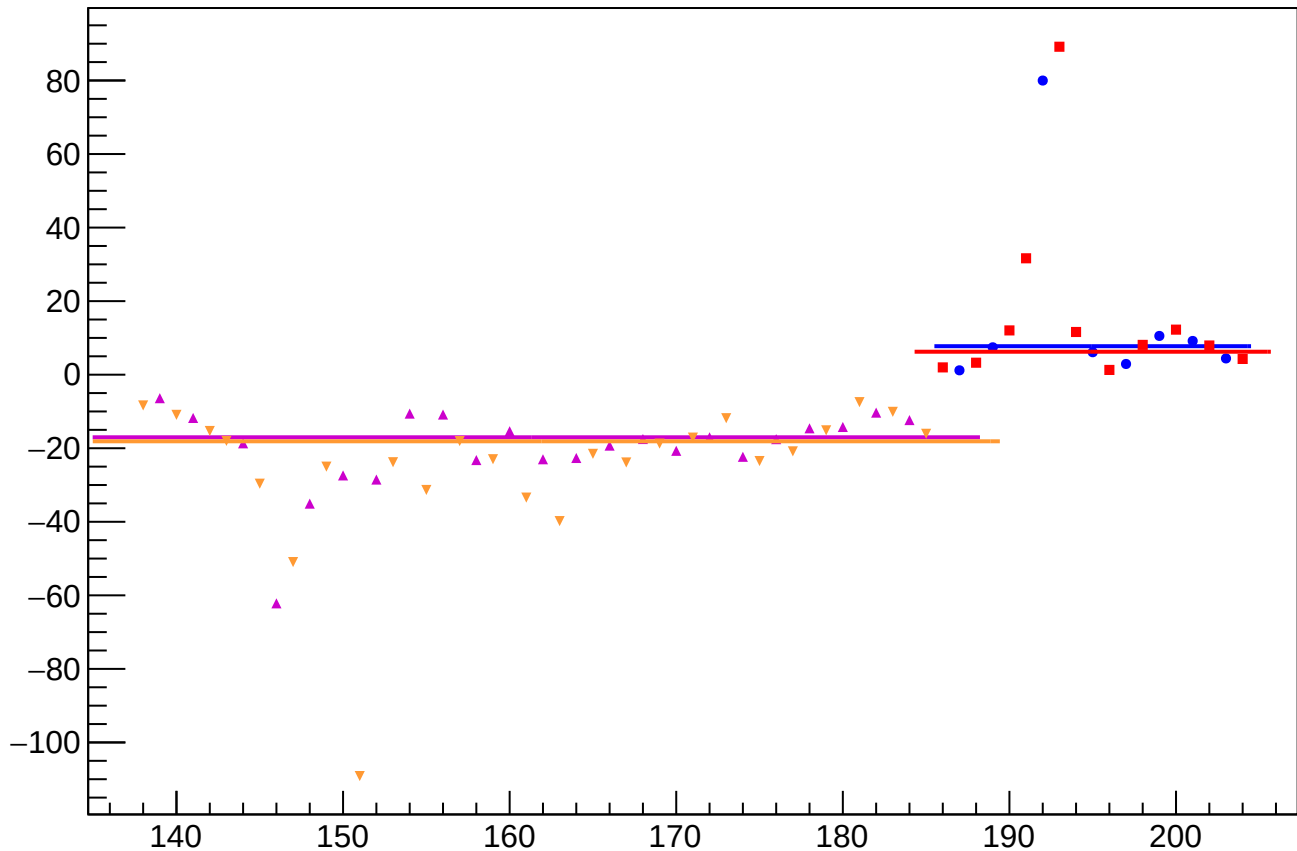
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.149 ± 0.001 χ^2/NDF : 17889.7/49

All: 0.140 ± 0.001 χ^2/NDF : 36735.5/102

- sign 0.131 ± 0.001 χ^2/NDF : 18752.2/52

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 7.746 ± 0.077 $\chi^2/\text{NDF}: 24969.2/7$

Left Out: -18.112 ± 0.039 $\chi^2/\text{NDF}: 88529.7/24$

Right Out: 6.244 ± 0.064 $\chi^2/\text{NDF}: 26129.2/10$

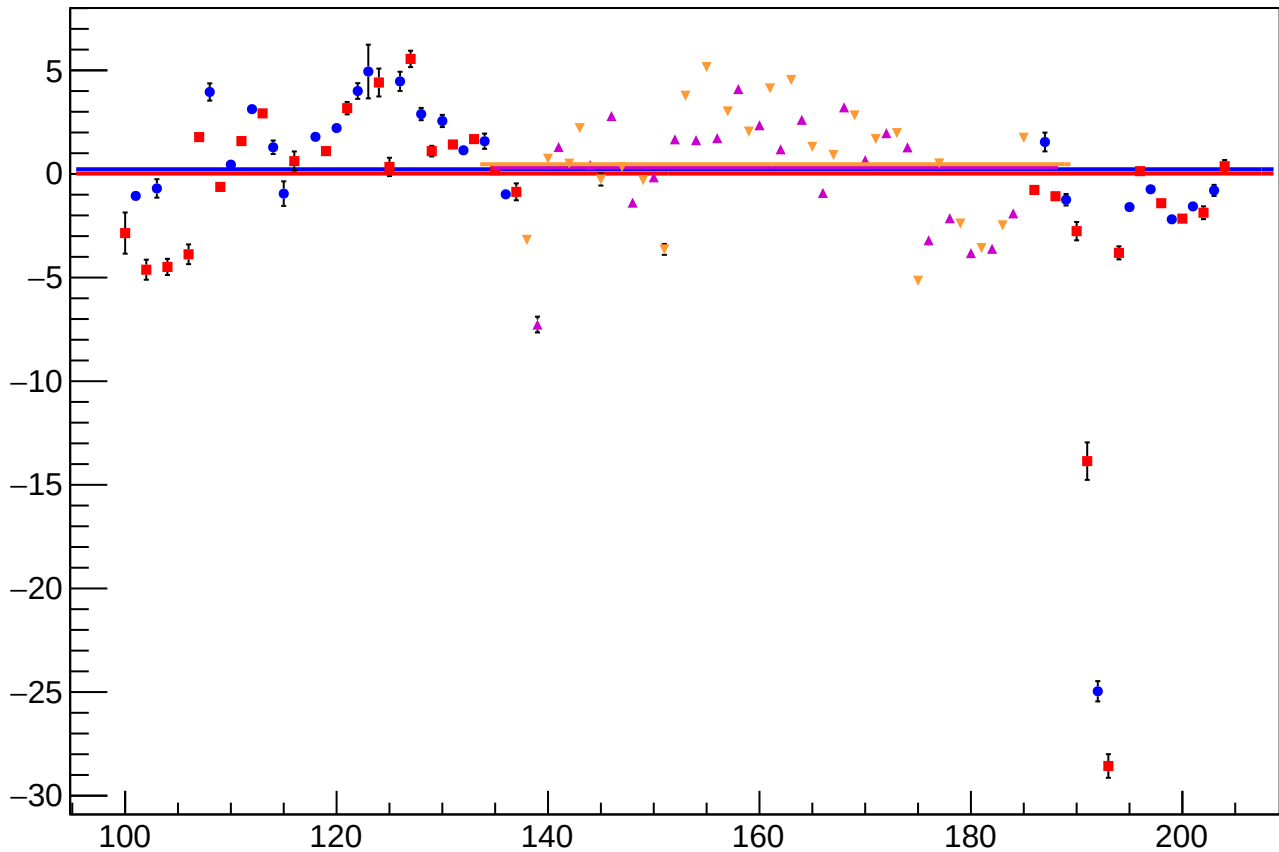
Left In: -17.024 ± 0.038 $\chi^2/\text{NDF}: 44141.8/22$

+ sign -12.866 ± 0.035 $\chi^2/\text{NDF}: 203585.2/32$

All: -11.888 ± 0.024 $\chi^2/\text{NDF}: 371975.0/66$

- sign -11.013 ± 0.033 $\chi^2/\text{NDF}: 166879.1/33$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.227 ± 0.051 χ^2/NDF : 3931.2/24

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.019 ± 0.047 χ^2/NDF : 4406.9/29

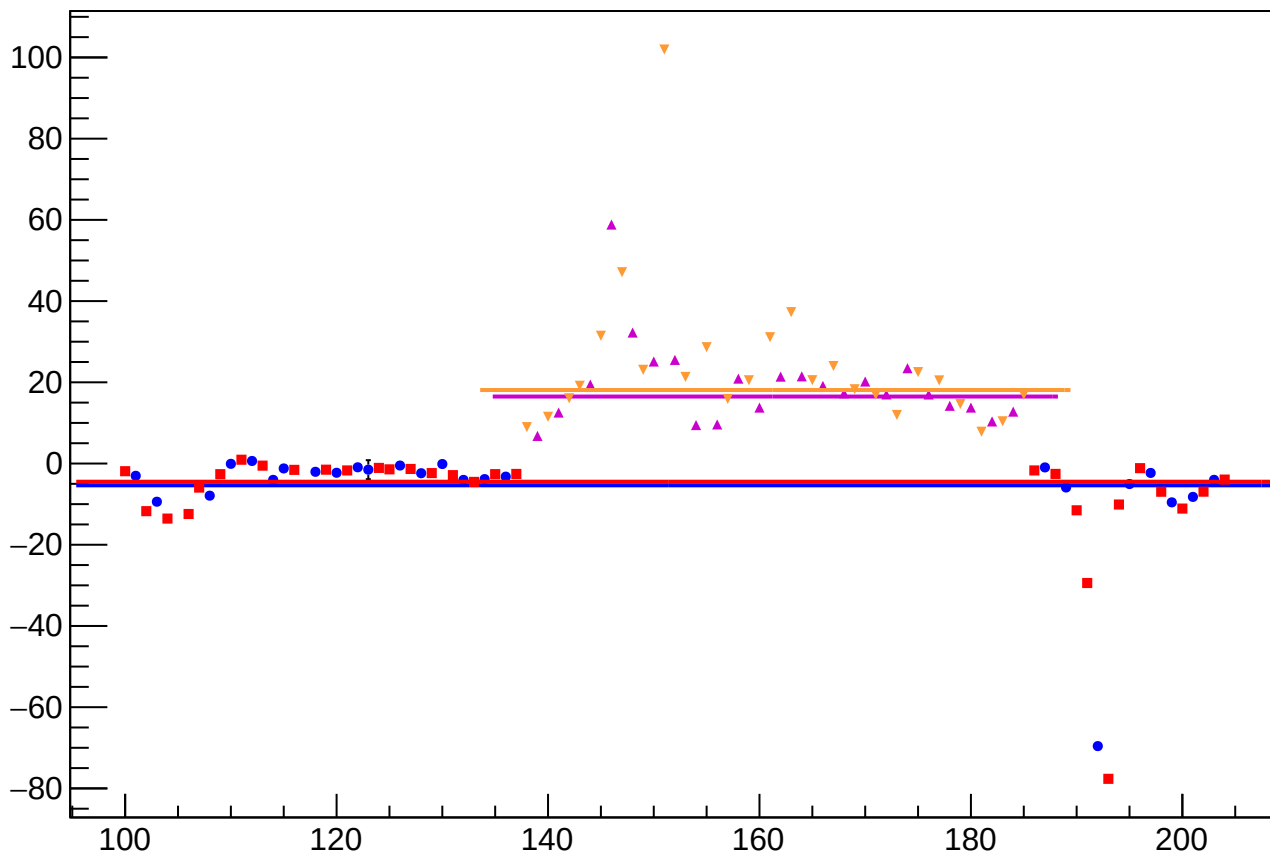
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.399 ± 0.027 χ^2/NDF : 11040.4/49

All: 0.306 ± 0.019 χ^2/NDF : 21679.8/102

- sign 0.223 ± 0.026 χ^2/NDF : 10617.3/52

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -5.368 ± 0.057 $\chi^2/\text{NDF}: 26940.2/24$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.476 ± 0.048 $\chi^2/\text{NDF}: 28134.9/29$

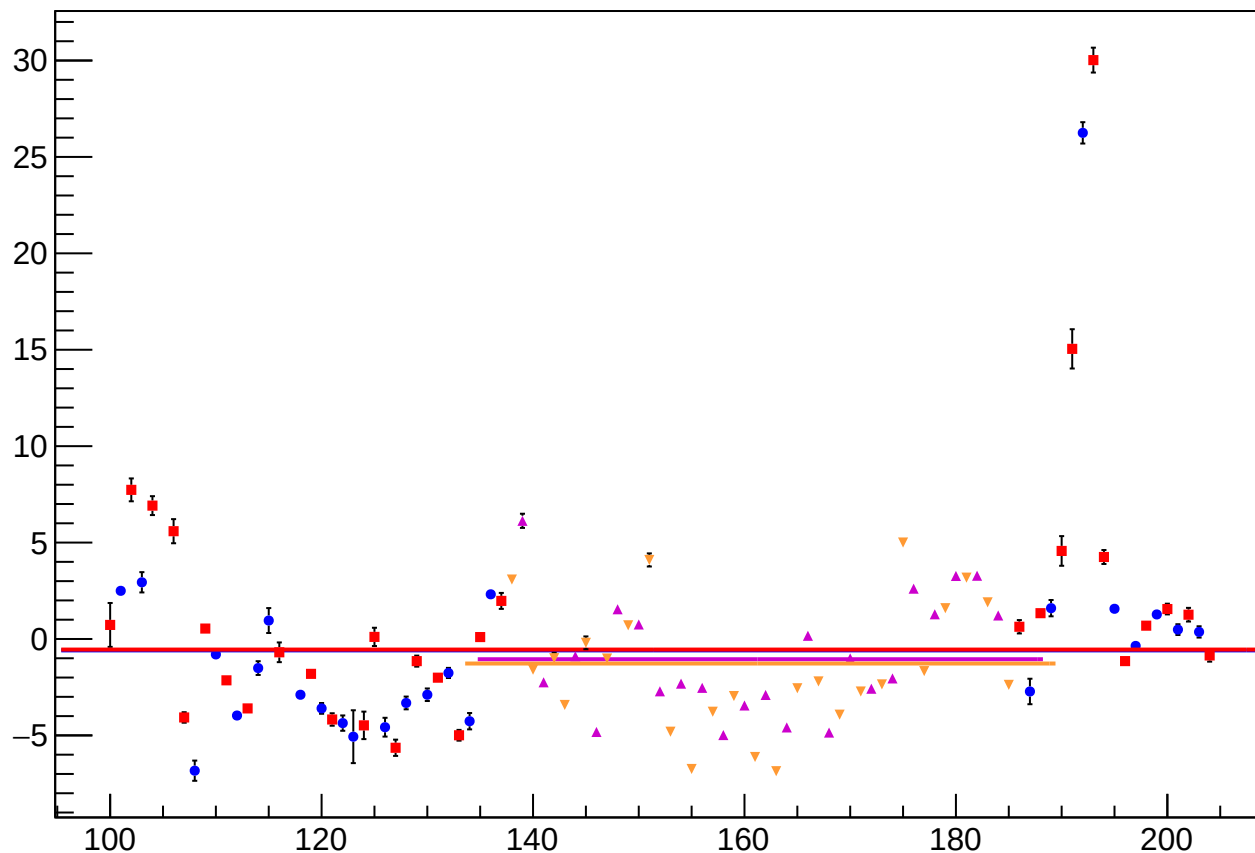
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 10.687 ± 0.032 $\chi^2/\text{NDF}: 219237.5/49$

All: 9.505 ± 0.022 $\chi^2/\text{NDF}: 408871.0/102$

- sign 8.508 ± 0.030 $\chi^2/\text{NDF}: 187156.3/52$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.591 ± 0.059 χ^2/NDF : 3996.0/24

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.549 ± 0.055 χ^2/NDF : 4619.0/29

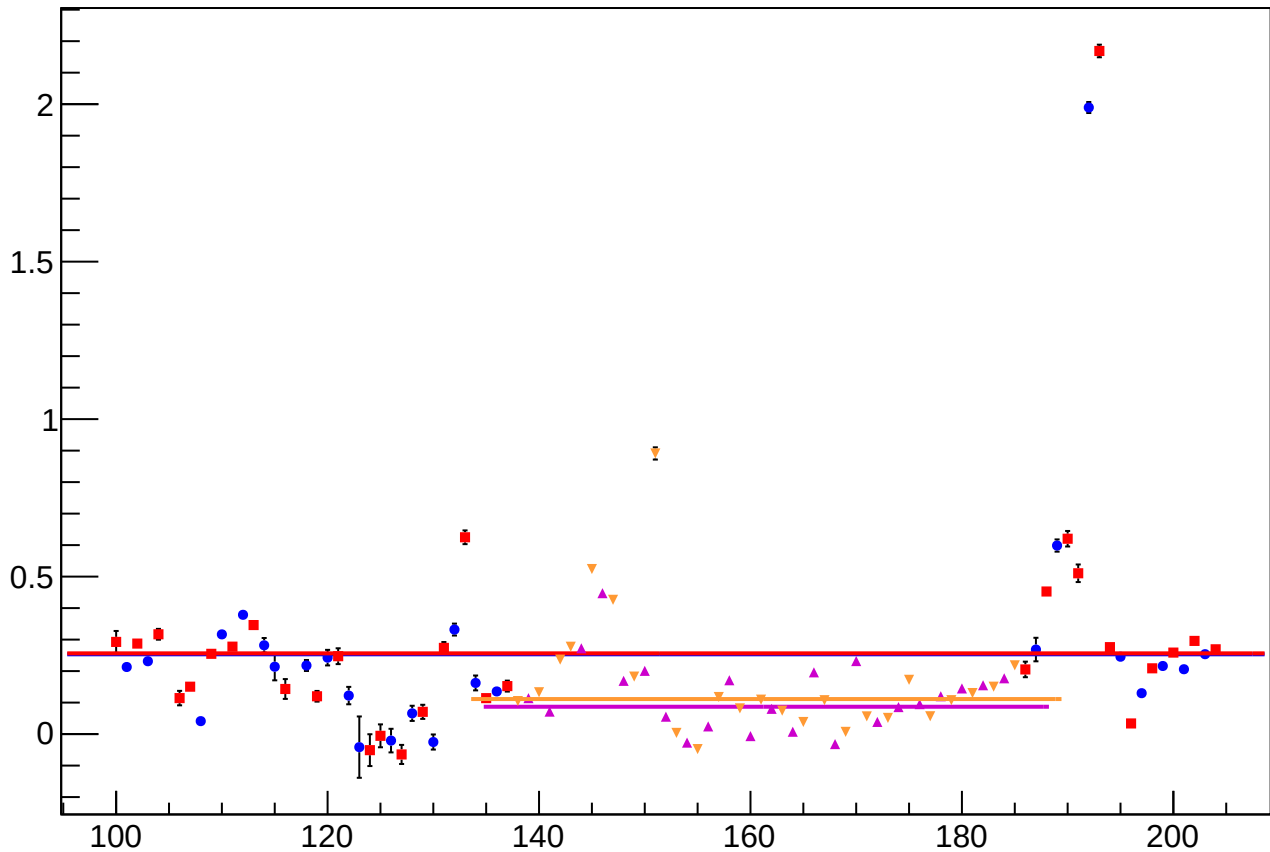
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.090 ± 0.031 χ^2/NDF : 12044.6/49

All: -0.995 ± 0.021 χ^2/NDF : 23415.6/102

- sign -0.911 ± 0.029 χ^2/NDF : 11352.9/52

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.253 ± 0.003 $\chi^2/\text{NDF}: 11288.3/24$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4474.5/24$

Right Out: 0.256 ± 0.002 $\chi^2/\text{NDF}: 11748.1/29$

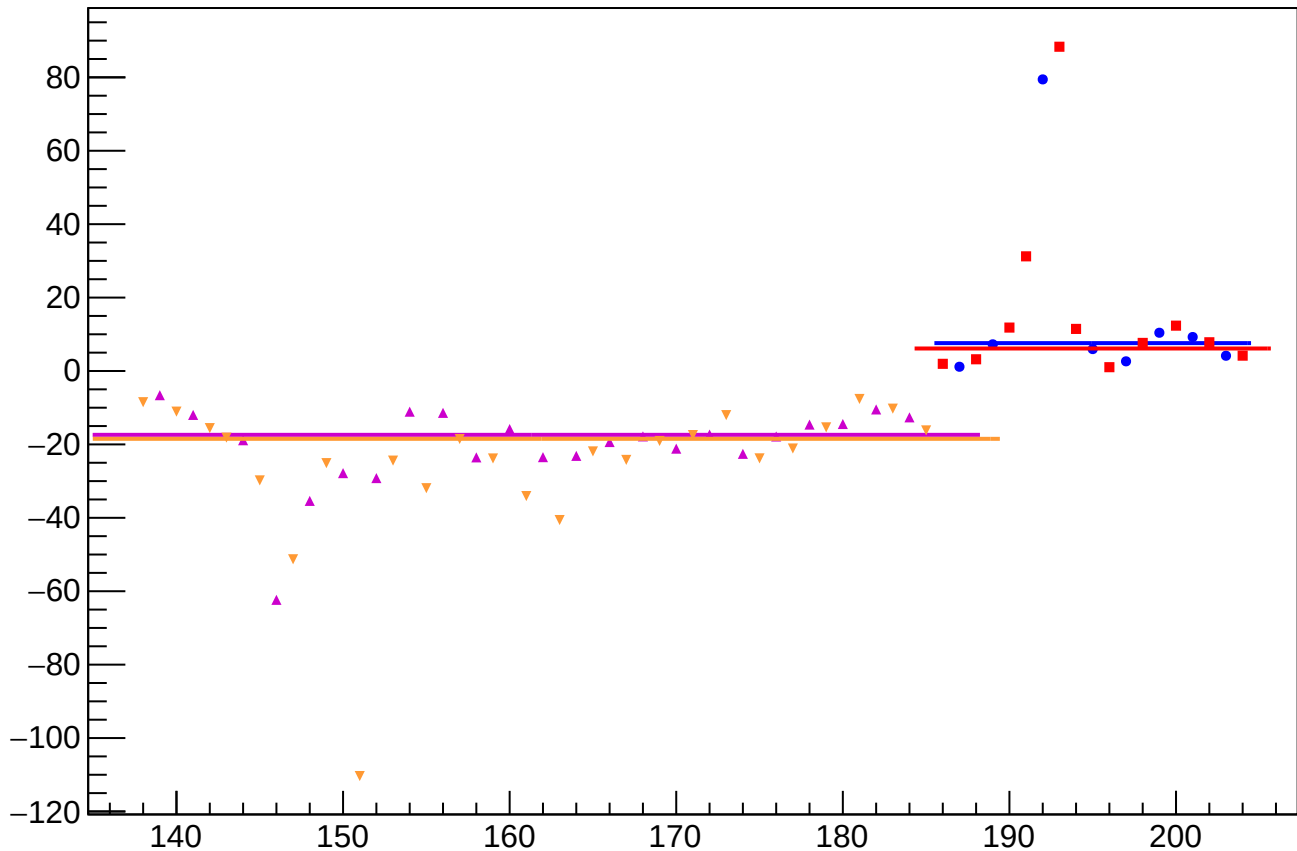
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3598.5/22$

+ sign 0.150 ± 0.001 $\chi^2/\text{NDF}: 17890.3/49$

All: 0.140 ± 0.001 $\chi^2/\text{NDF}: 36718.0/102$

- sign 0.132 ± 0.001 $\chi^2/\text{NDF}: 18737.3/52$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 7.594 ± 0.077 χ^2/NDF : 24654.9/7

Left Out: -18.479 ± 0.040 χ^2/NDF : 87883.4/24

Right Out: 6.130 ± 0.065 χ^2/NDF : 25660.4/10

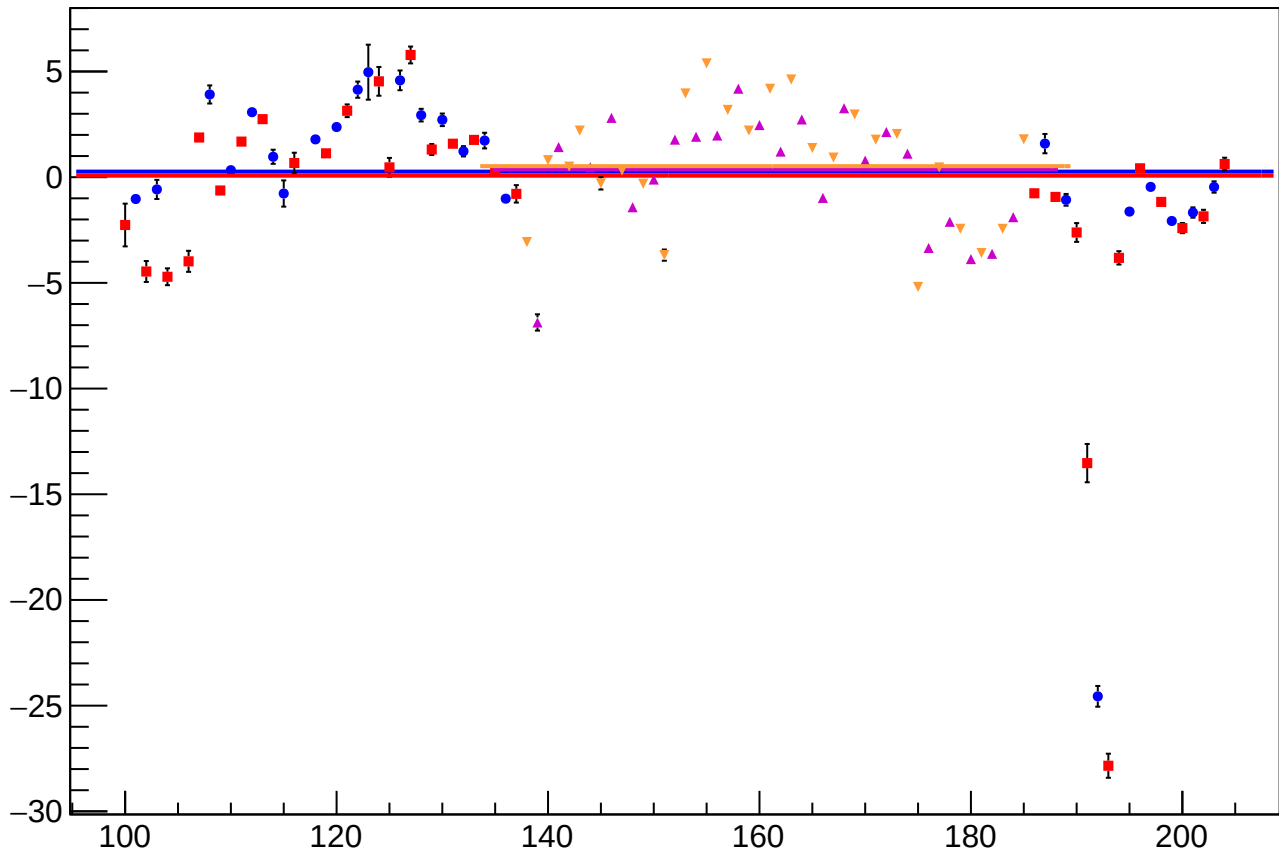
Left In: -17.393 ± 0.039 χ^2/NDF : 43178.9/22

+ sign -13.039 ± 0.035 χ^2/NDF : 202541.4/32

All: -12.032 ± 0.024 χ^2/NDF : 369937.2/66

- sign -11.133 ± 0.033 χ^2/NDF : 165857.8/33

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.264 ± 0.051 $\chi^2/\text{NDF}: 3800.9/24$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.070 ± 0.048 $\chi^2/\text{NDF}: 4246.8/29$

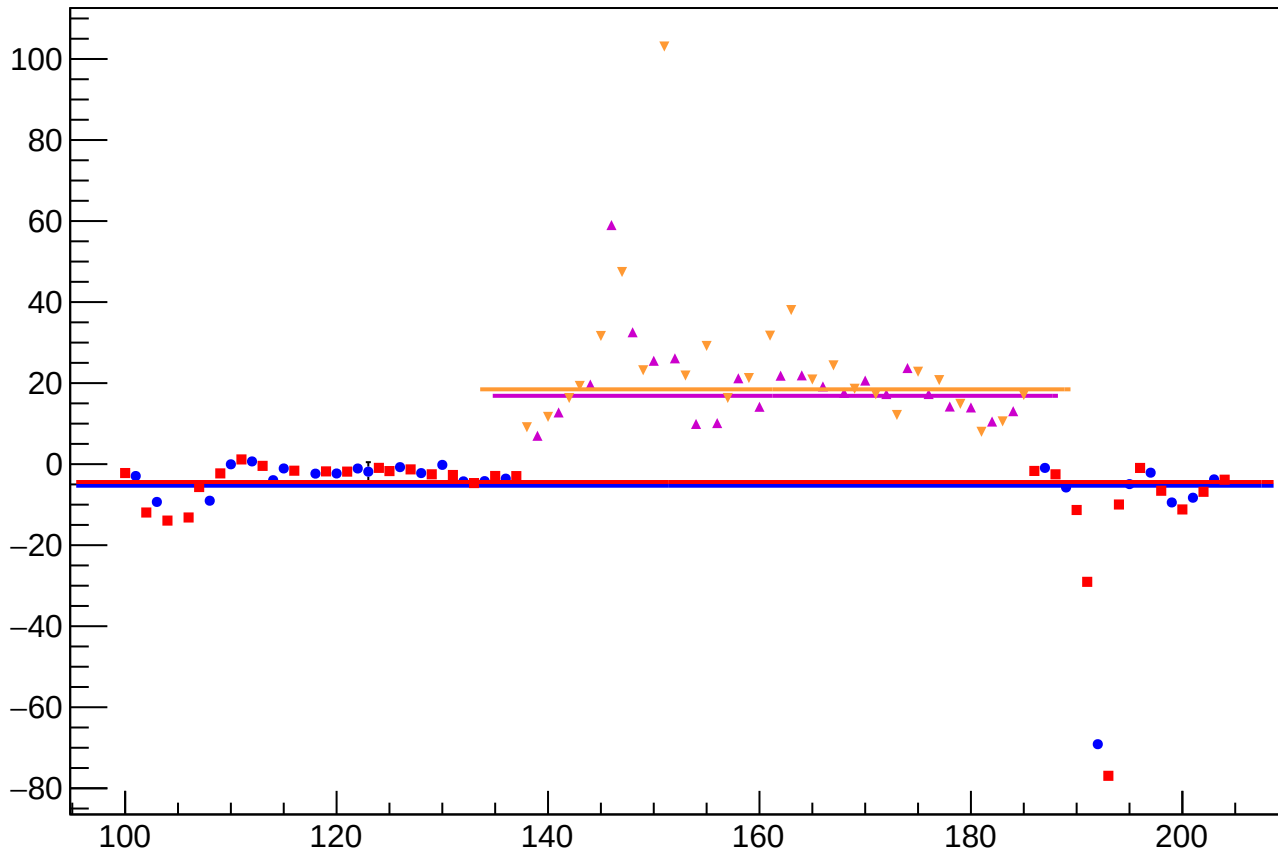
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.447 ± 0.028 $\chi^2/\text{NDF}: 10873.8/49$

All: 0.358 ± 0.019 $\chi^2/\text{NDF}: 21385.0/102$

- sign 0.280 ± 0.026 $\chi^2/\text{NDF}: 10492.2/52$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.321 ± 0.058 $\chi^2/\text{NDF}: 26494.5/24$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -4.408 ± 0.048 $\chi^2/\text{NDF}: 27639.2/29$

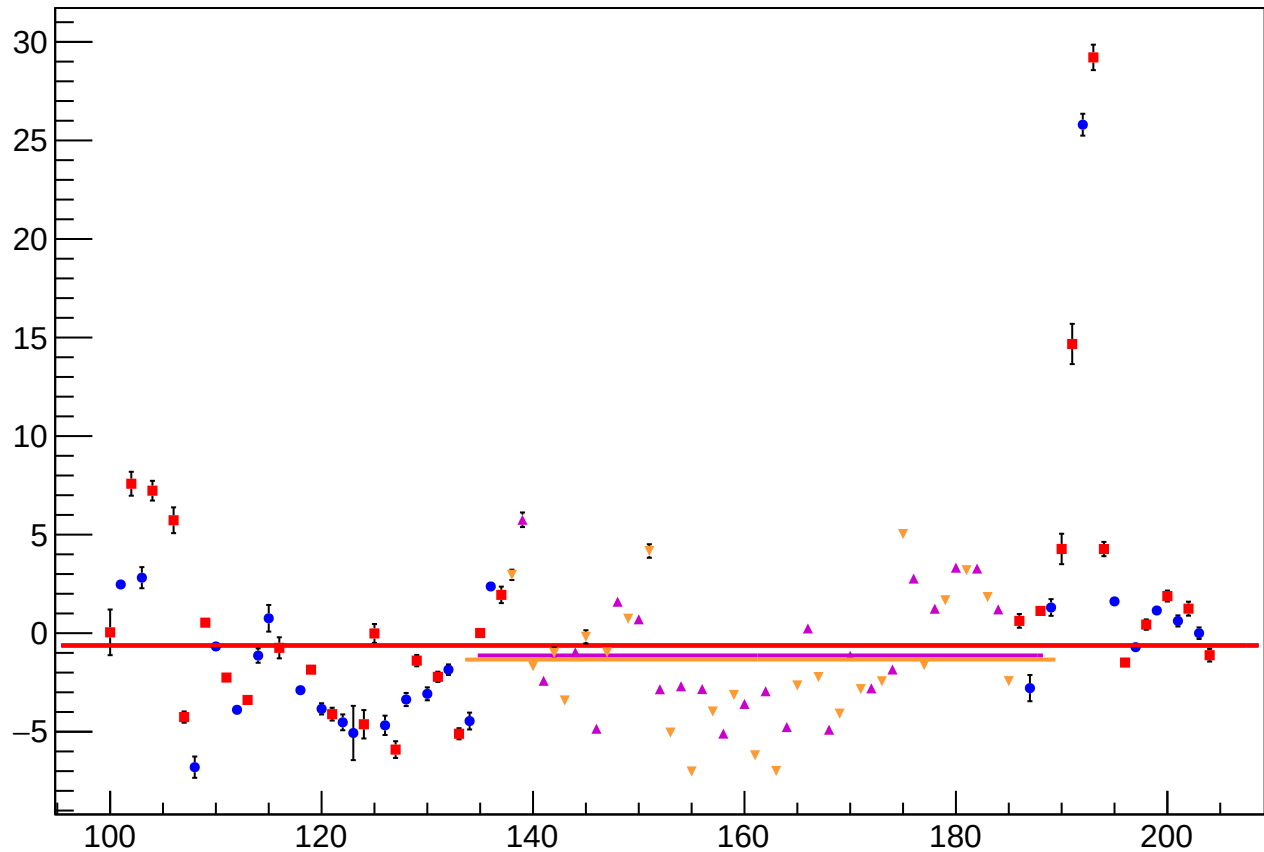
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 10.807 ± 0.033 $\chi^2/\text{NDF}: 218273.3/49$

All: 9.609 ± 0.022 $\chi^2/\text{NDF}: 406393.8/102$

- sign 8.600 ± 0.030 $\chi^2/\text{NDF}: 185670.5/52$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.632 ± 0.060 $\chi^2/\text{NDF}: 3882.1/24$

Left Out: -1.340 ± 0.037 $\chi^2/\text{NDF}: 7907.4/24$

Right Out: -0.610 ± 0.056 $\chi^2/\text{NDF}: 4464.0/29$

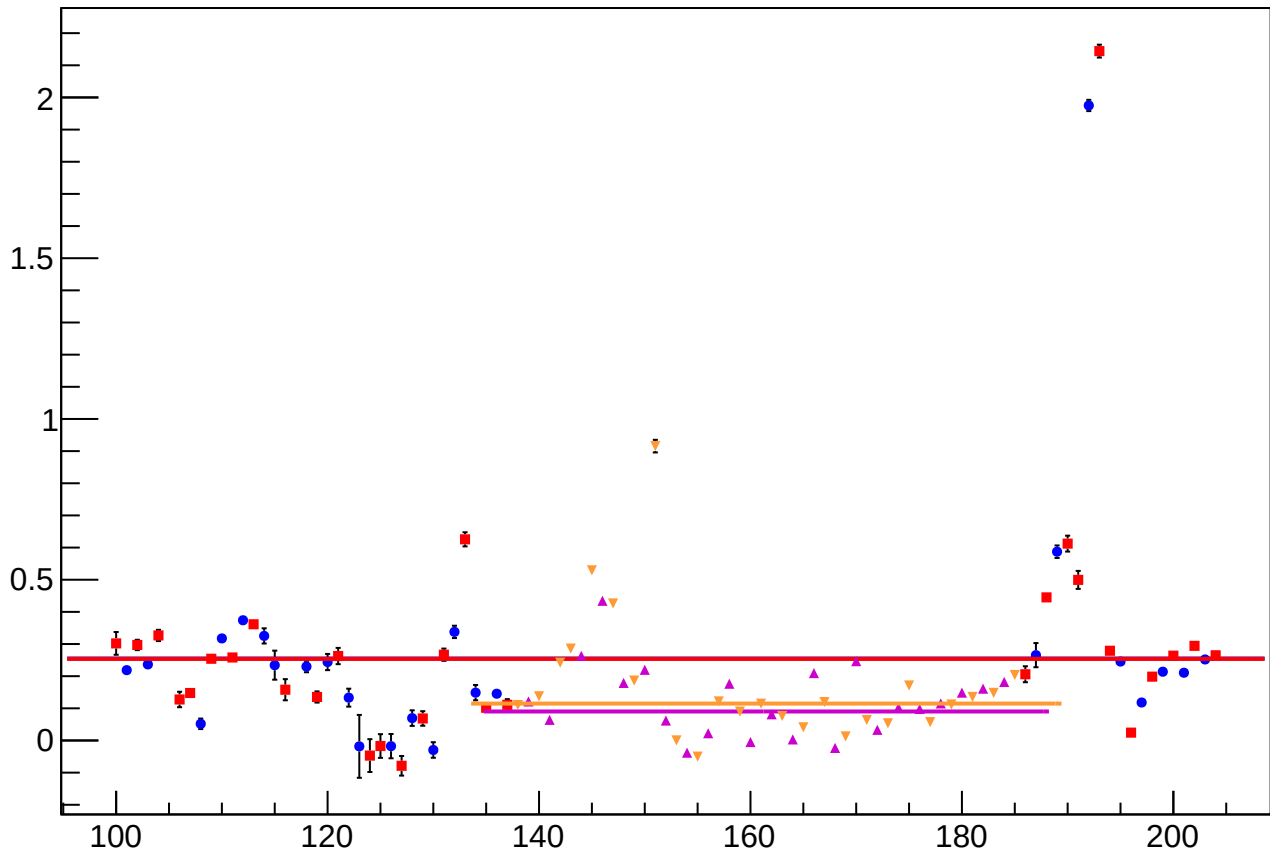
Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

+ sign -1.148 ± 0.031 $\chi^2/\text{NDF}: 11890.9/49$

All: -1.062 ± 0.021 $\chi^2/\text{NDF}: 23141.2/102$

- sign -0.985 ± 0.030 $\chi^2/\text{NDF}: 11235.8/52$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.255 ± 0.003 $\chi^2/\text{NDF}: 11027.8/24$

Left Out: 0.115 ± 0.002 $\chi^2/\text{NDF}: 4431.9/24$

Right Out: 0.254 ± 0.003 $\chi^2/\text{NDF}: 11600.5/29$

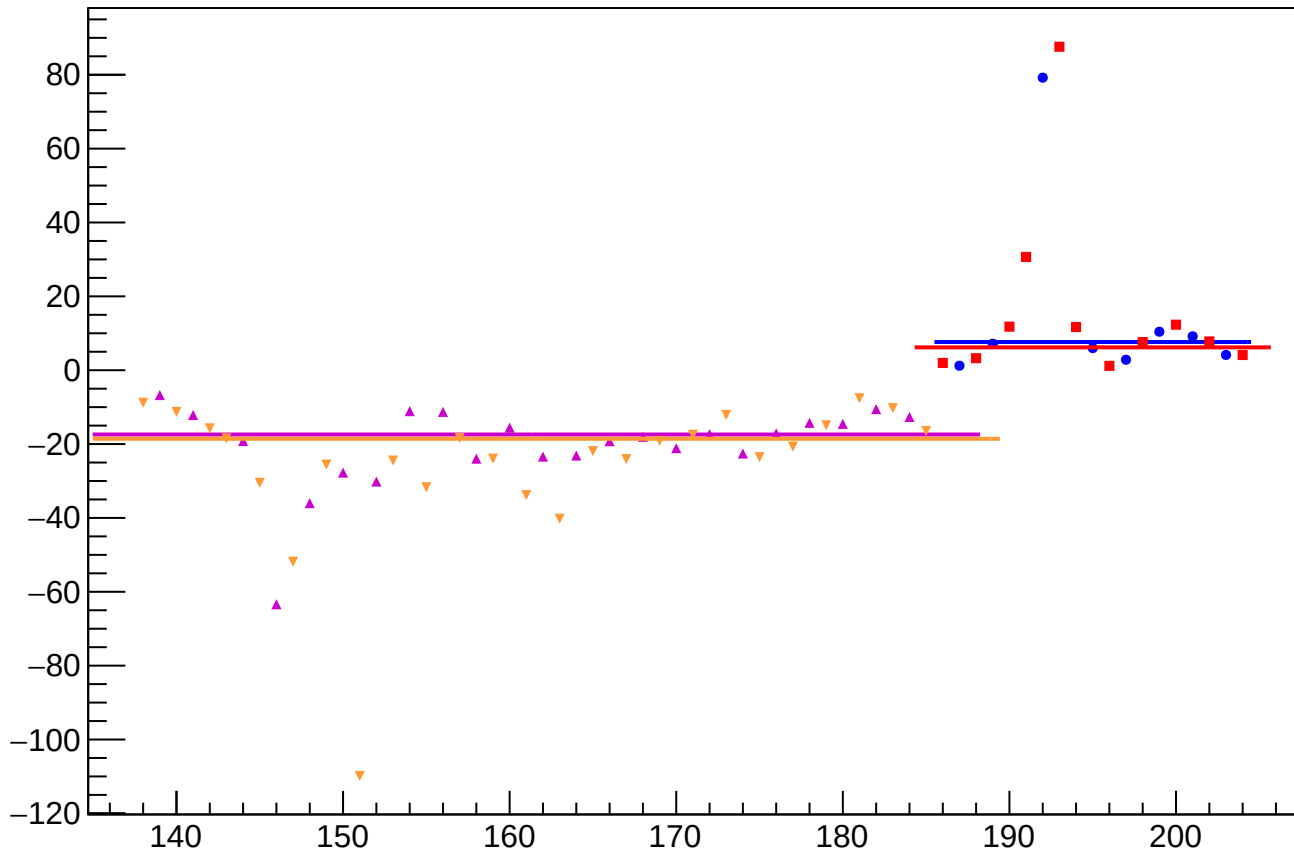
Left In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 3676.5/22$

+ sign 0.153 ± 0.001 $\chi^2/\text{NDF}: 17471.9/49$

All: 0.143 ± 0.001 $\chi^2/\text{NDF}: 35910.1/102$

- sign 0.134 ± 0.001 $\chi^2/\text{NDF}: 18341.8/52$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 7.637 ± 0.078 χ^2/NDF : 24168.2/7

Left Out: -18.566 ± 0.040 χ^2/NDF : 86389.6/24

Right Out: 6.188 ± 0.066 χ^2/NDF : 25004.5/10

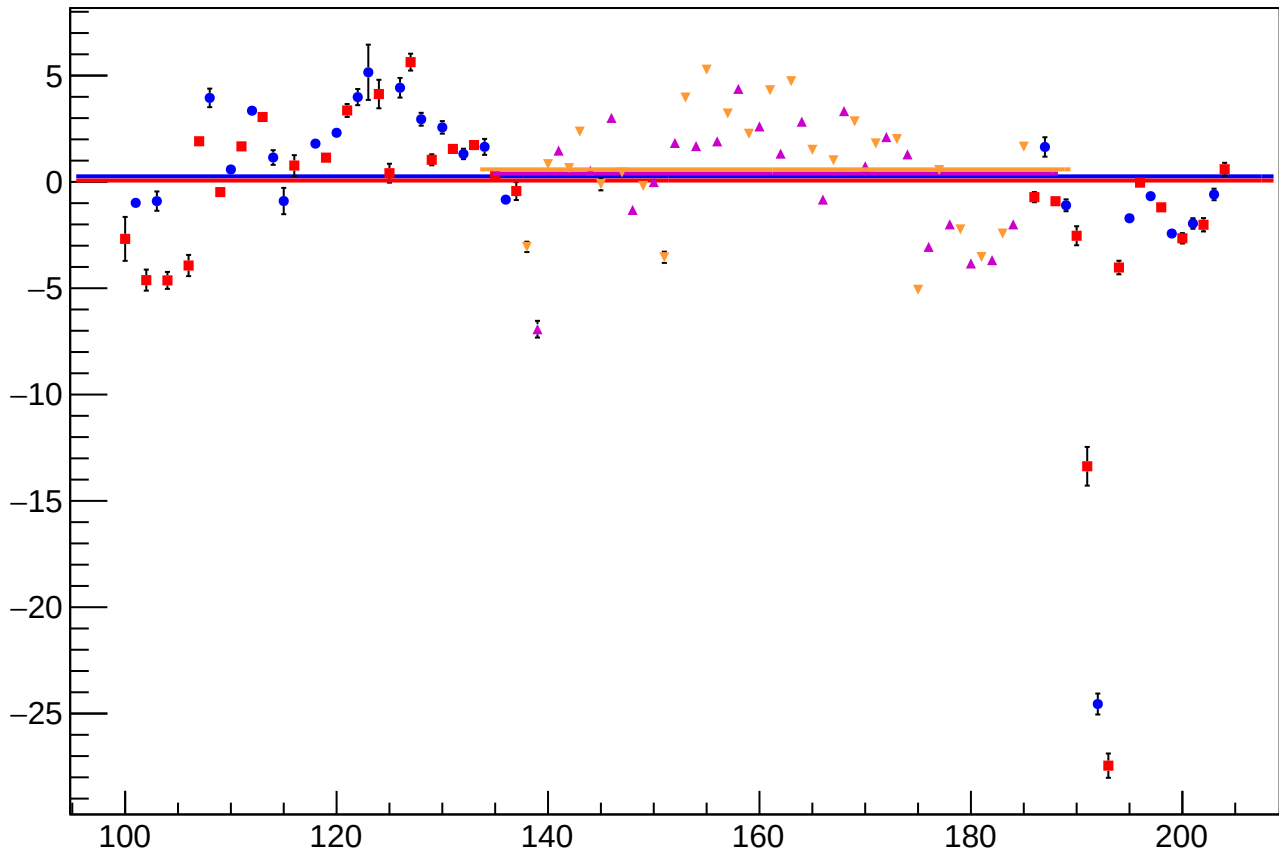
Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

+ sign -13.109 ± 0.036 χ^2/NDF : 199490.7/32

All: -12.083 ± 0.025 χ^2/NDF : 365011.0/66

- sign -11.168 ± 0.034 χ^2/NDF : 163954.7/33

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.261 ± 0.052 χ^2/NDF : 3846.4/24

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.064 ± 0.048 χ^2/NDF : 4204.5/29

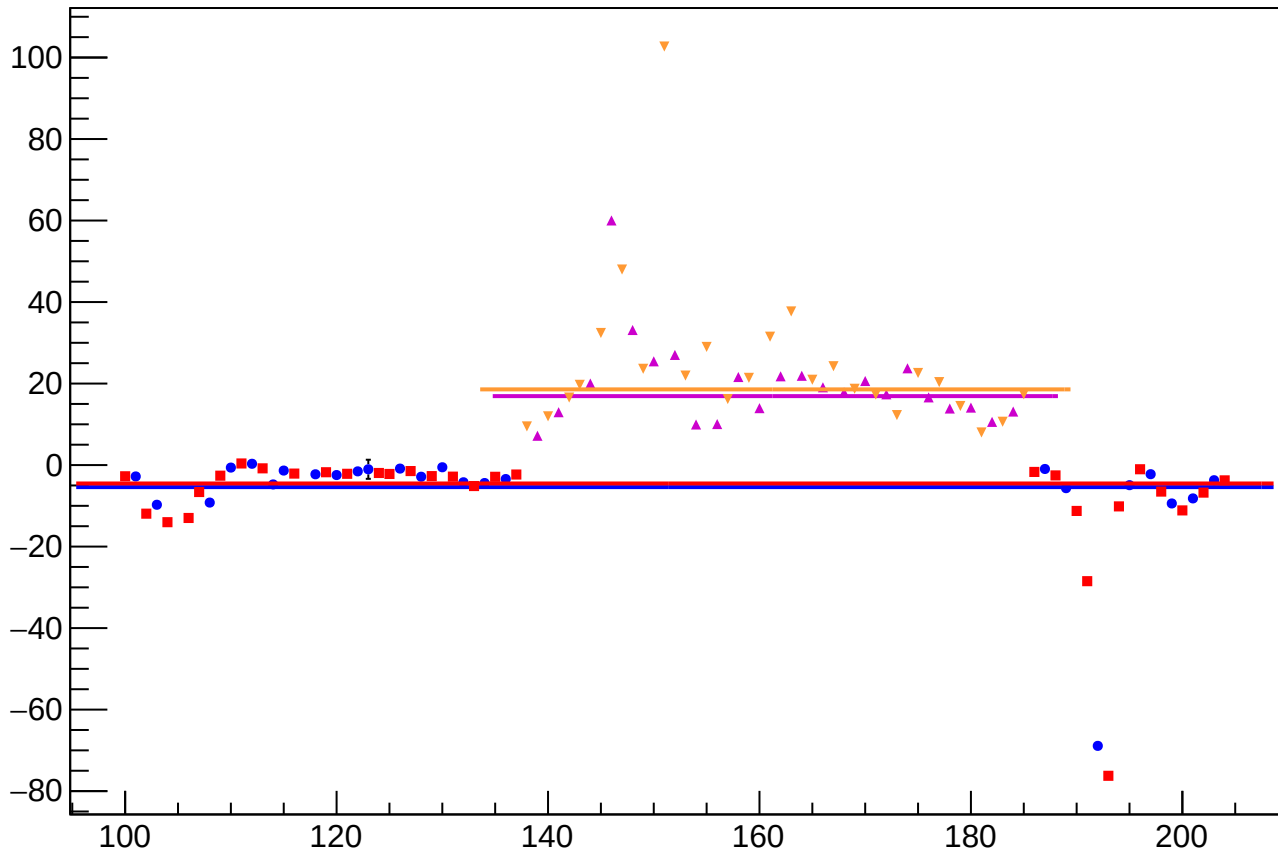
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.495 ± 0.028 χ^2/NDF : 10671.4/49

All: 0.389 ± 0.019 χ^2/NDF : 20995.5/102

- sign 0.294 ± 0.026 χ^2/NDF : 10297.1/52

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.407 ± 0.059 $\chi^2/\text{NDF}: 25799.6/24$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.516 ± 0.049 $\chi^2/\text{NDF}: 26744.8/29$

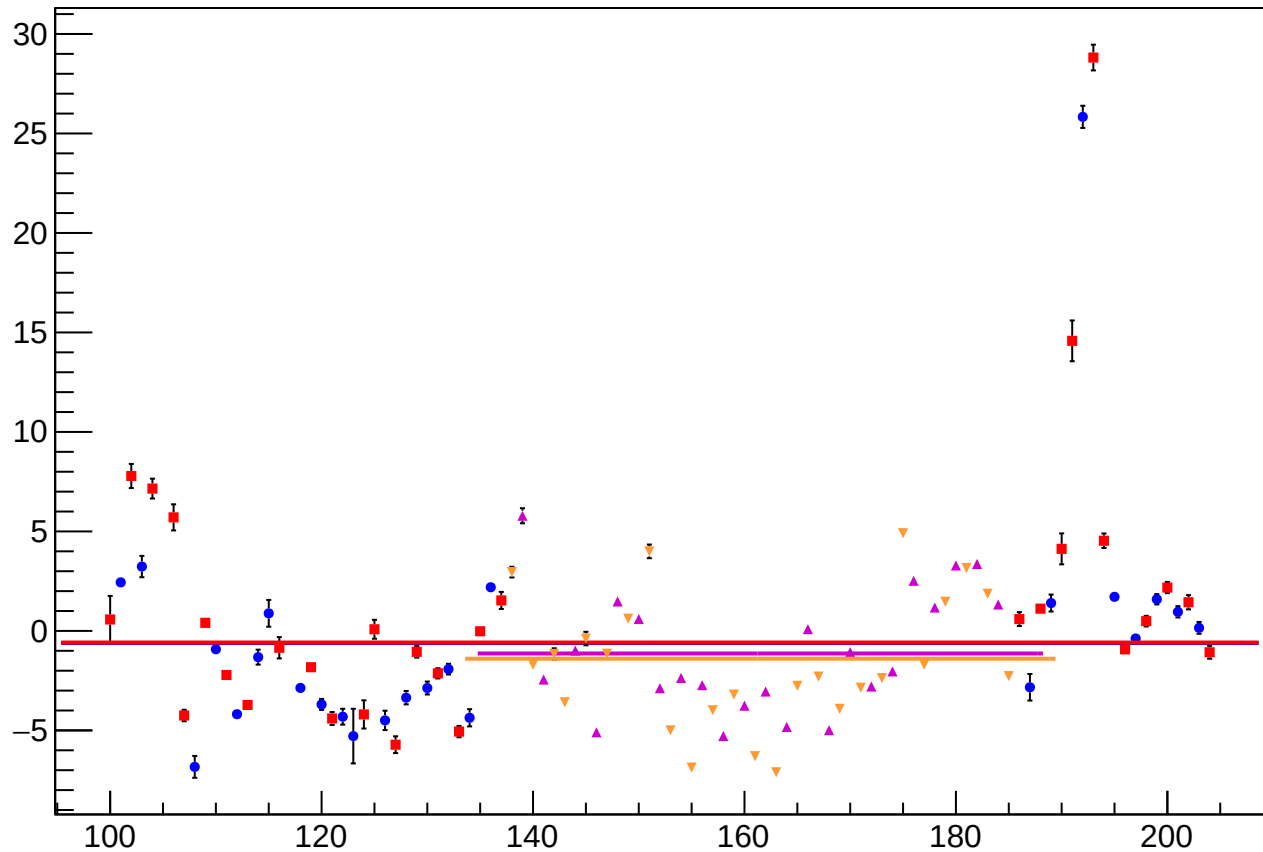
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 10.881 ± 0.033 $\chi^2/\text{NDF}: 215632.8/49$

All: 9.671 ± 0.022 $\chi^2/\text{NDF}: 402084.1/102$

- sign 8.649 ± 0.030 $\chi^2/\text{NDF}: 183998.7/52$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.607 ± 0.061 χ^2/NDF : 3882.1/24

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.584 ± 0.056 χ^2/NDF : 4405.3/29

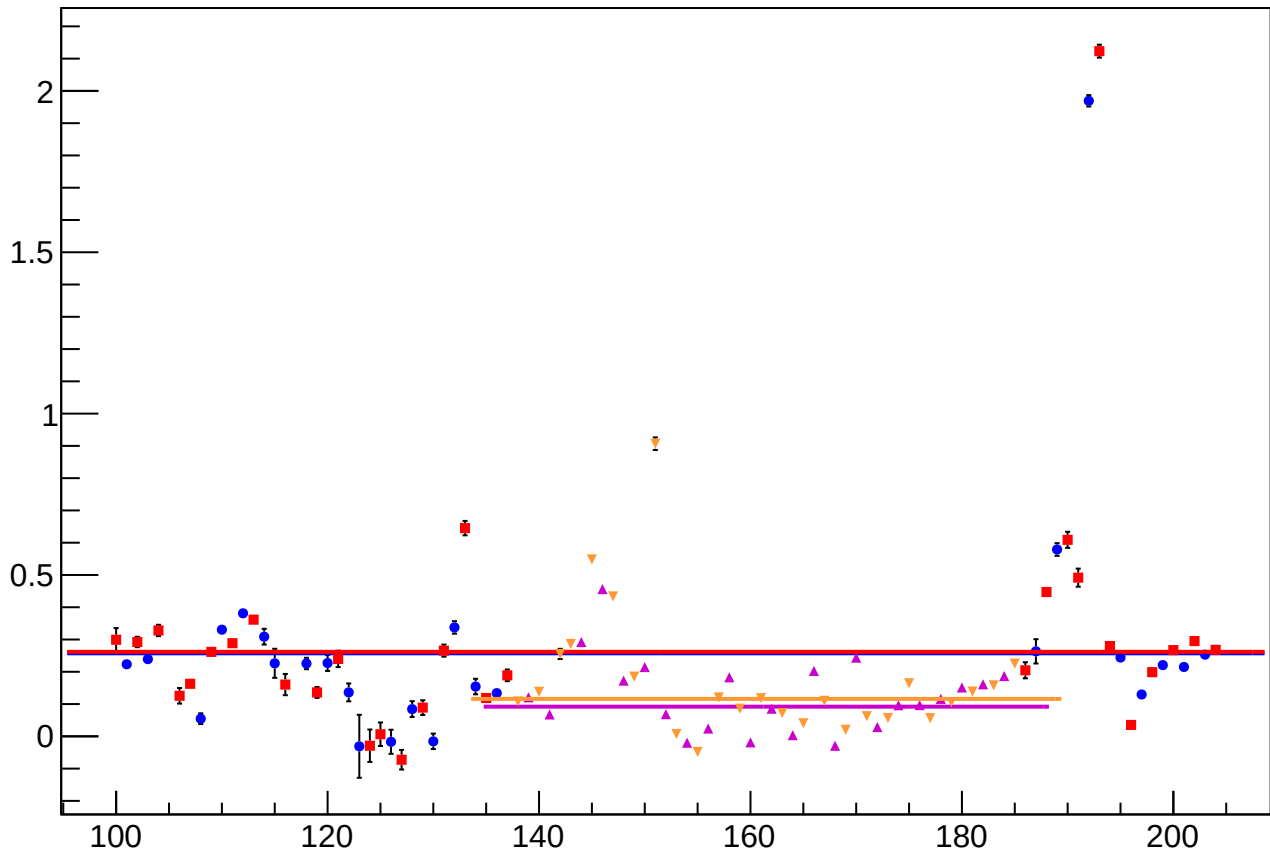
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.183 ± 0.032 χ^2/NDF : 11657.2/49

All: -1.076 ± 0.022 χ^2/NDF : 22750.5/102

- sign -0.980 ± 0.030 χ^2/NDF : 11071.5/52

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.257 ± 0.003 $\chi^2/\text{NDF}: 10784.0/24$

Left Out: 0.116 ± 0.002 $\chi^2/\text{NDF}: 4463.0/24$

Right Out: 0.262 ± 0.003 $\chi^2/\text{NDF}: 11072.1/29$

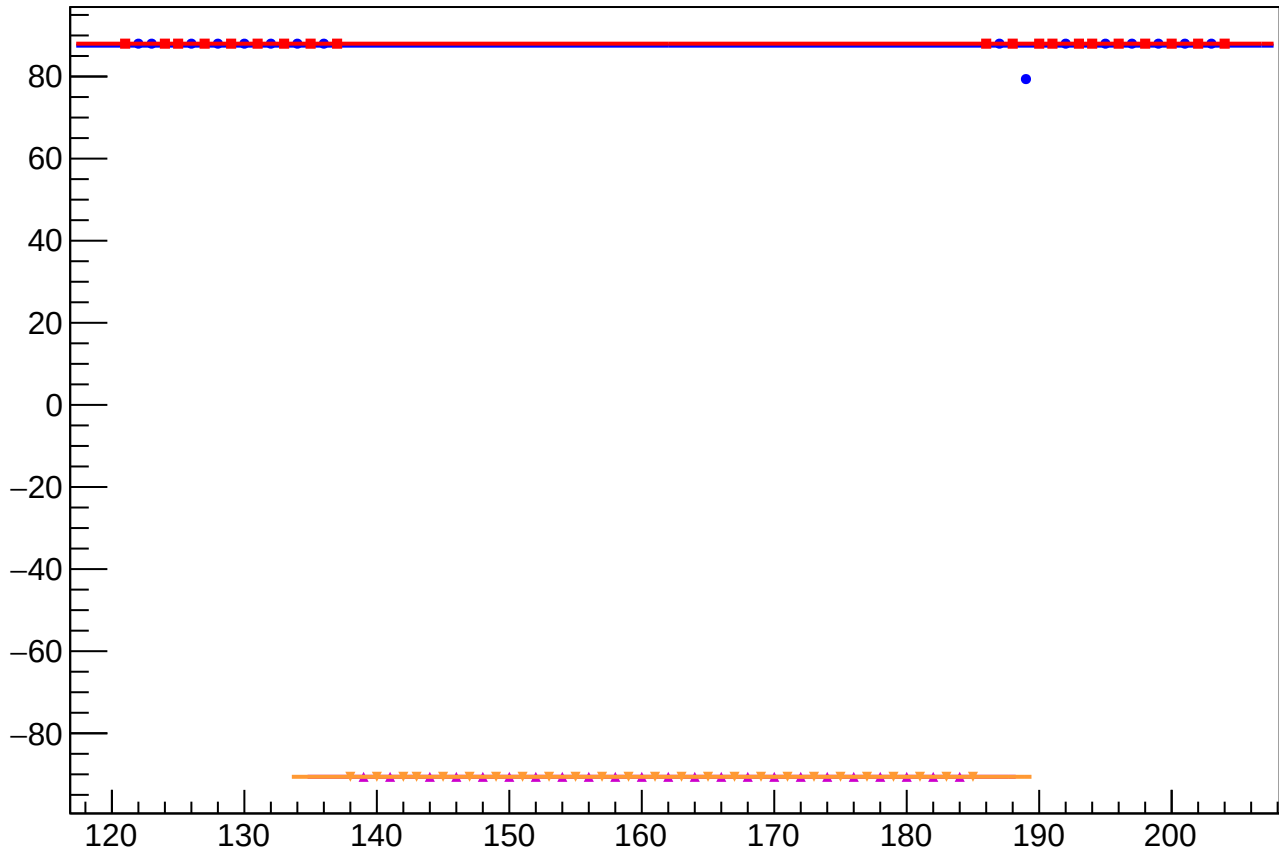
Left In: 0.092 ± 0.002 $\chi^2/\text{NDF}: 3631.4/22$

+ sign 0.155 ± 0.001 $\chi^2/\text{NDF}: 17249.1/49$

All: 0.145 ± 0.001 $\chi^2/\text{NDF}: 35244.7/102$

- sign 0.137 ± 0.001 $\chi^2/\text{NDF}: 17917.1/52$

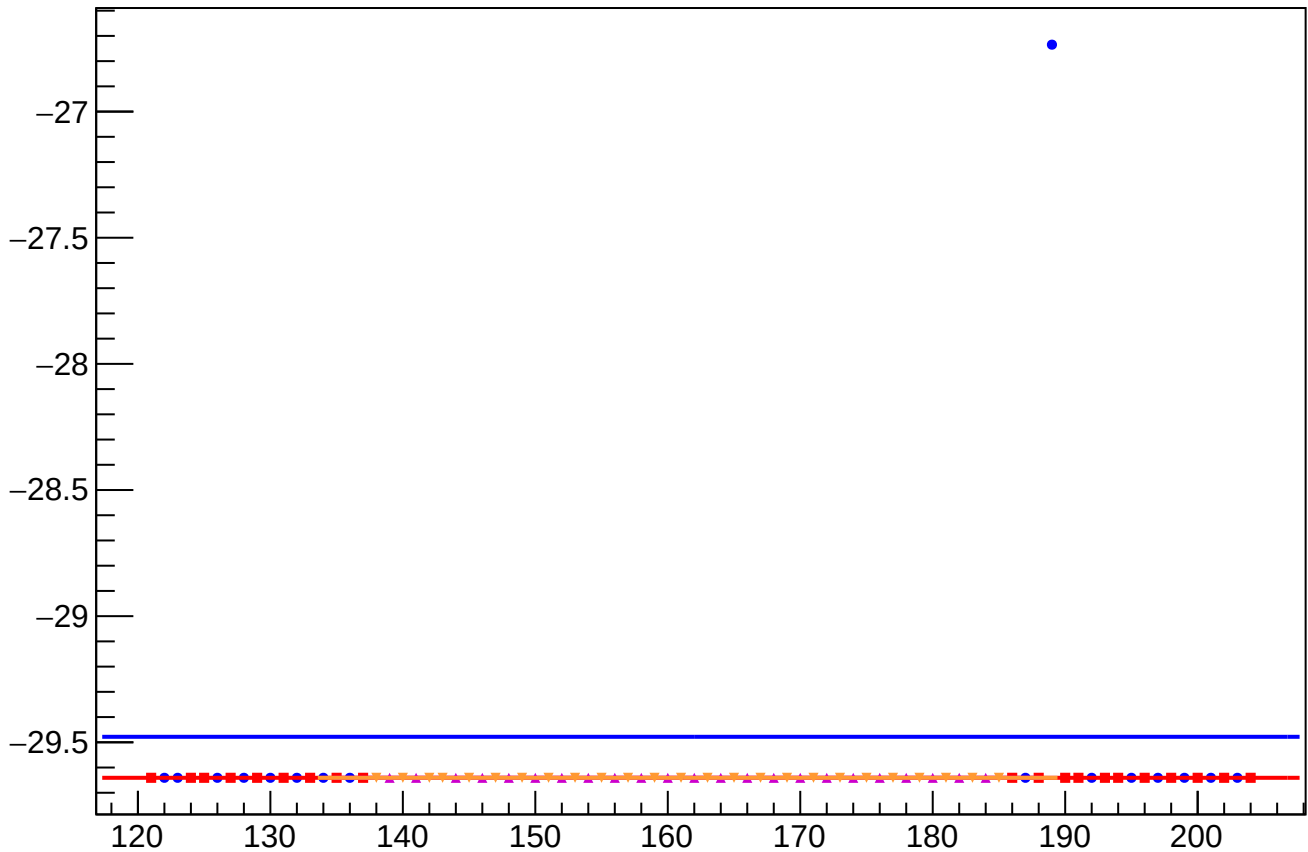
VWienAngle_mean vs Slug



Right In: 87.518+/-0.000 χ^2 /NDF: 3583854999341962563398831058190336.0/15
Left Out: -90.599+/-0.000 χ^2 /NDF: 6053403.0/24
Right Out: 88.001+/-0.000 χ^2 /NDF: 1088501.8/19
Left In: -90.599+/-0.000 χ^2 /NDF: 5932436.0/22

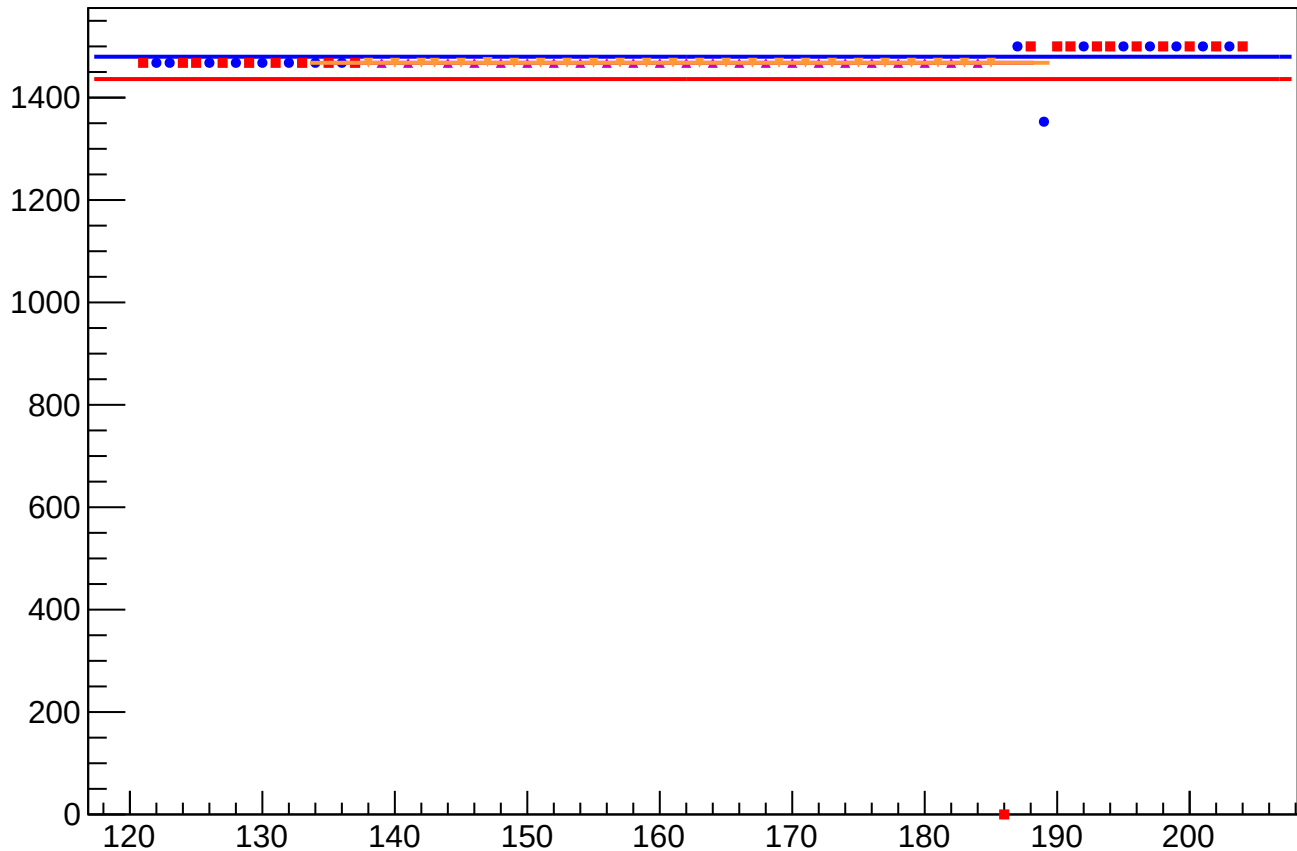
+ sign -33.036+/-0.000 χ^2 /NDF: 195868250553102
All: -28.955+/-0.000 χ^2 /NDF: 409192669613
- sign -24.934+/-0.000 χ^2 /NDF: 2123912969786311

HWienAngle_mean vs Slug



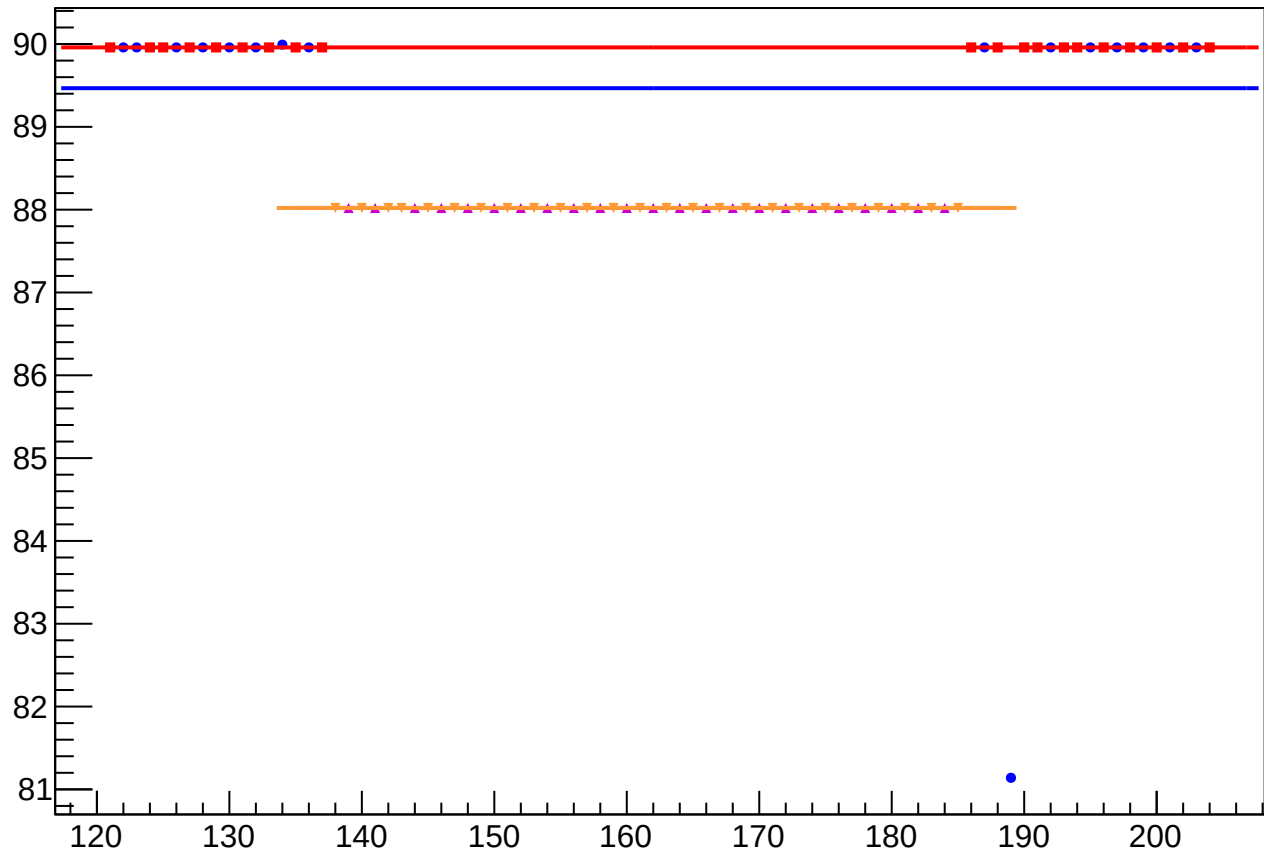
Right In: -29.478+/-0.000 χ^2/NDF : 406588554341835614815904126205952.0/15
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24 + sign -29.588+/-0.000 χ^2/NDF : 422888964458806
Right Out: -29.641+/-0.000 χ^2/NDF : 1413058.1/19 All: -29.615+/-0.000 χ^2/NDF : 426809326366
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22 - sign -29.641+/-0.000 χ^2/NDF : 2360751.5/42

psub_pl_pos_mean vs Slug



Right In: 1479.874+/-0.000 χ^2/NDF : 1081117819642188159054202669029654528.0/15
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24
 Right Out: 1436.230+/-0.000 χ^2/NDF : 81541828037543835330648308709226184704.0/19
 Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

Phi_FG_mean vs Slug



Right In: 89.467+/-0.000 χ^2/NDF : 3745865911468480936399271354171392.0/15

Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24

Right Out: 89.959+/-0.000 χ^2/NDF : 3563581.3/19

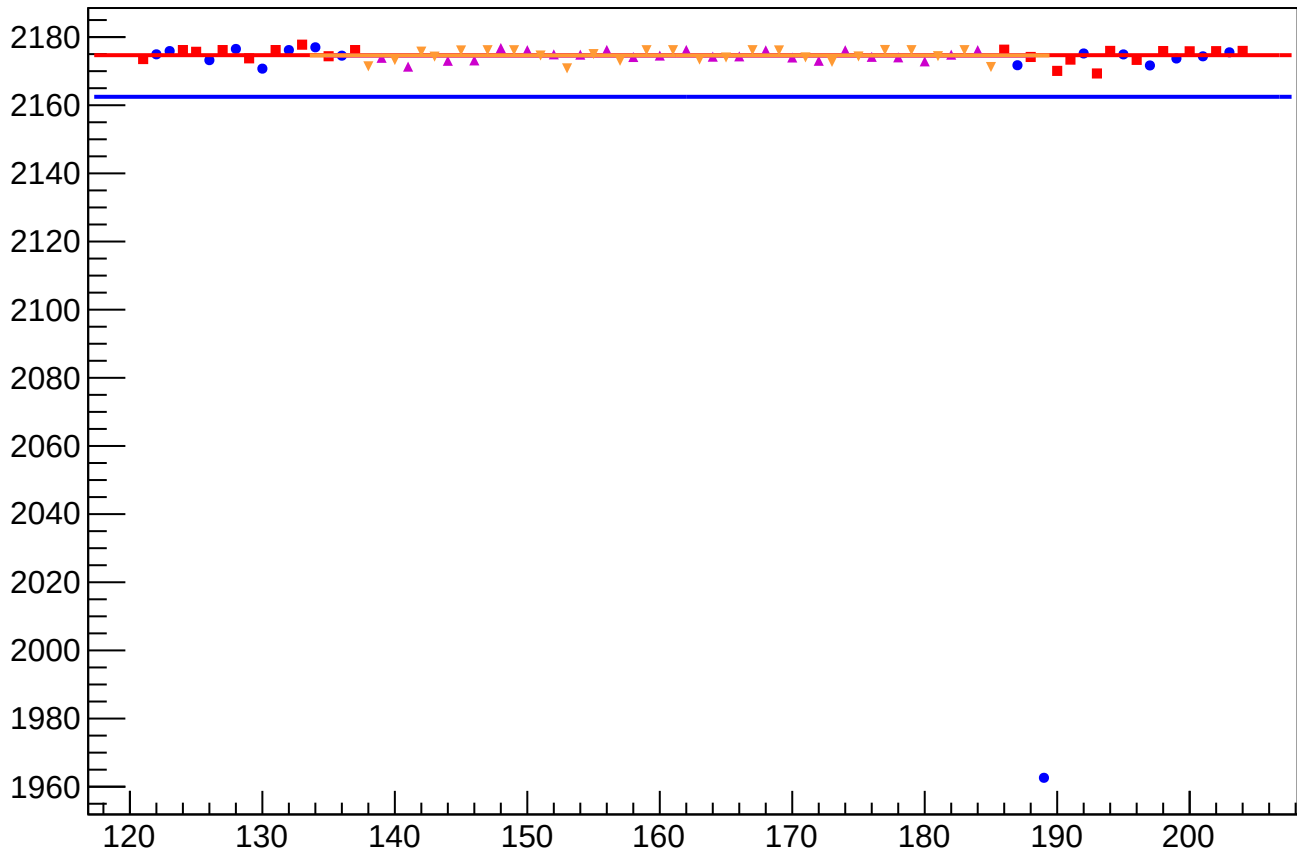
Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

+ sign 88.488+/-0.000 χ^2/NDF : 5036793830572441

All: 88.612+/-0.000 χ^2/NDF : 7624737324662

- sign 88.733+/-0.000 χ^2/NDF : 2502346373582396

HALLA_p_mean vs Slug



Right In: 2162.475+/-0.000 χ^2/NDF : 2160008424440973516552275707645919232.0/15

Left Out: 2174.622+/-0.000 χ^2/NDF : 51105781354760931110874911595823104.0/24

Right Out: 2174.689+/-0.000 χ^2/NDF : 4593748250723491315381505219362816.0/19

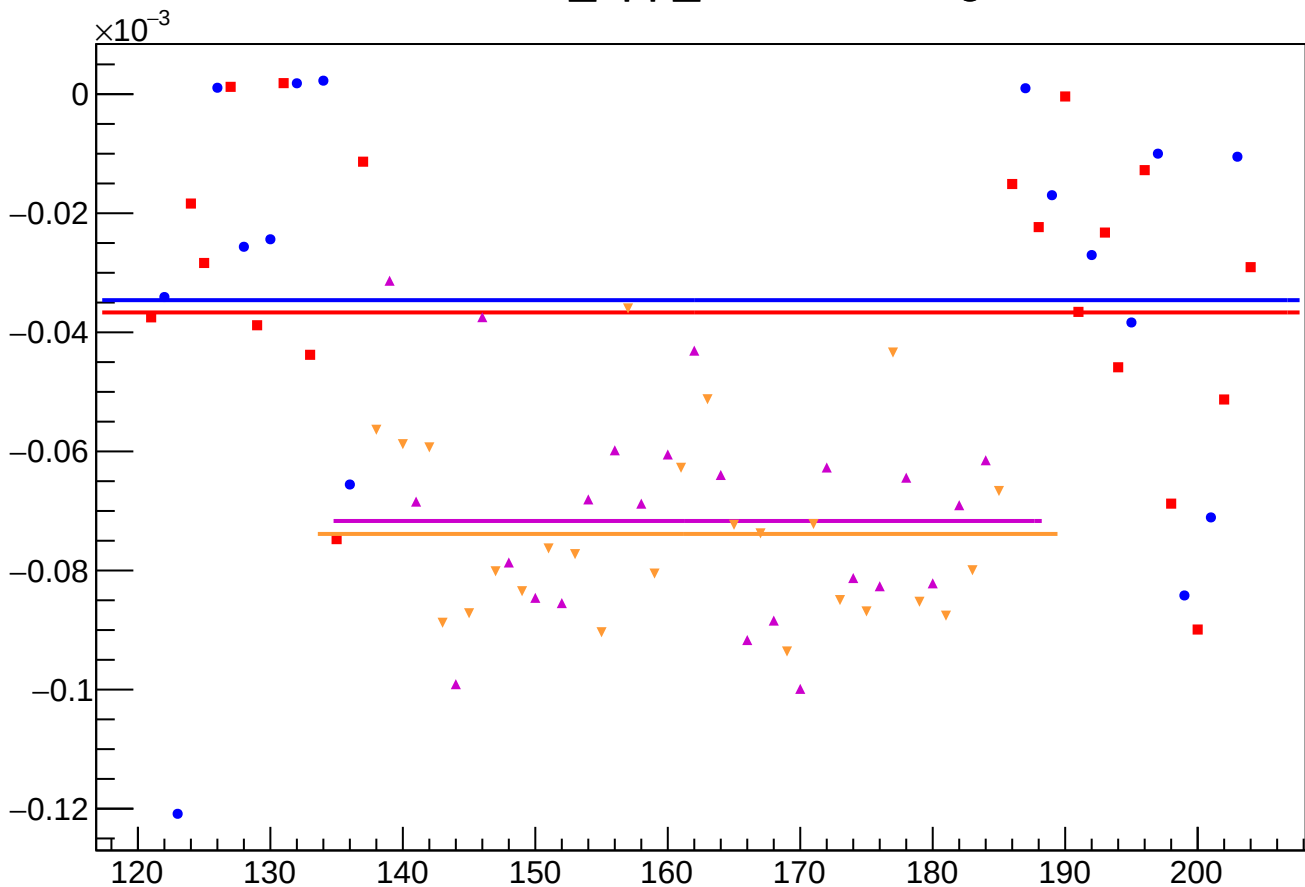
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2170.696+/-0.000 χ^2/NDF : 22562008651727

All: 2172.660+/-0.000 χ^2/NDF : 2285807233

- sign 2174.594+/-0.000 χ^2/NDF : 80095219367227

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 718583567862671744172032.0/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 450400934180541069000704.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 706349337248271492448256.0/19

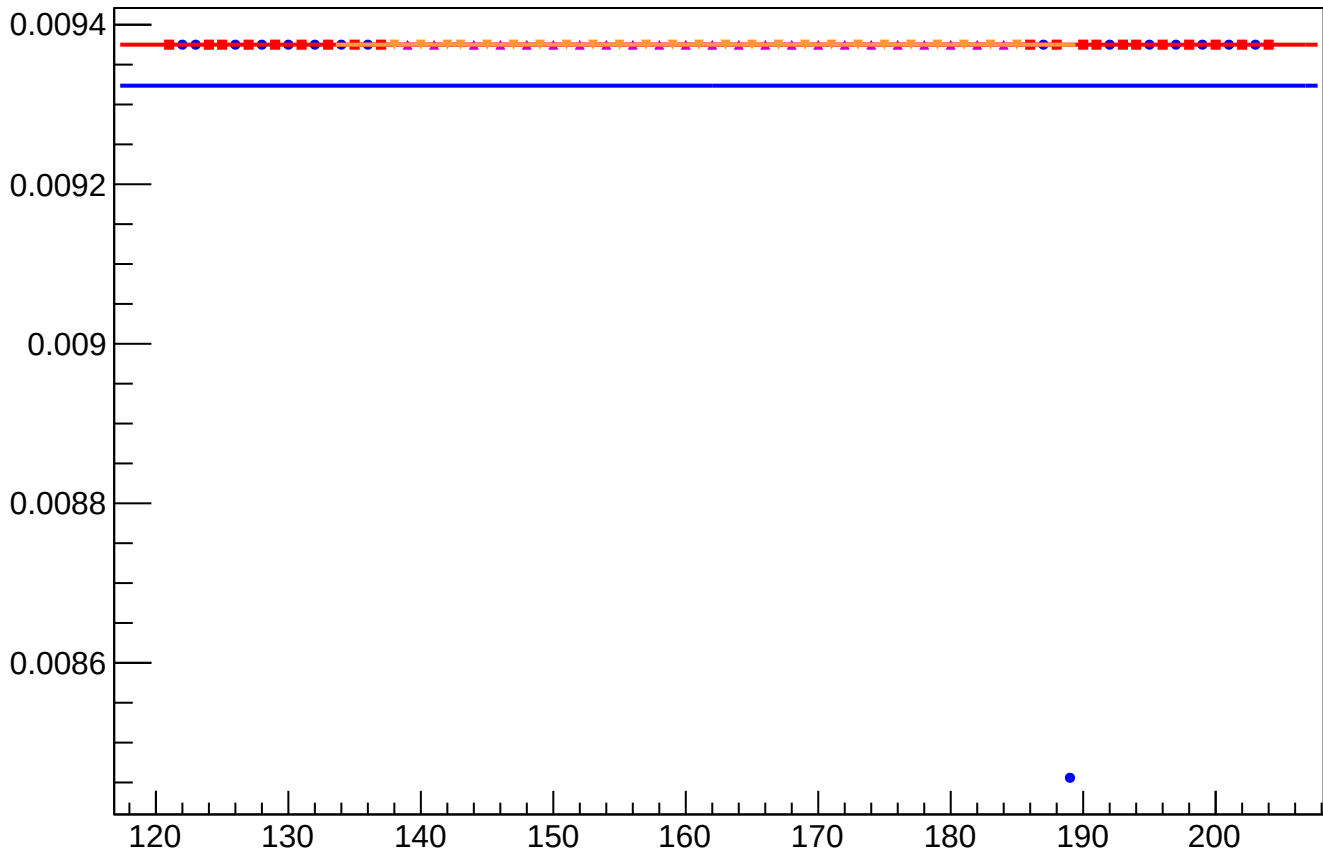
Left In: -0.000 ± 0.000 χ^2/NDF : 562166279020739416817664.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 2120426667079863

All: -0.000 ± 0.000 χ^2/NDF : 4213562454053

- sign -0.000 ± 0.000 χ^2/NDF : 20851827175179932

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40674357222328725592342528.0/15

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/19

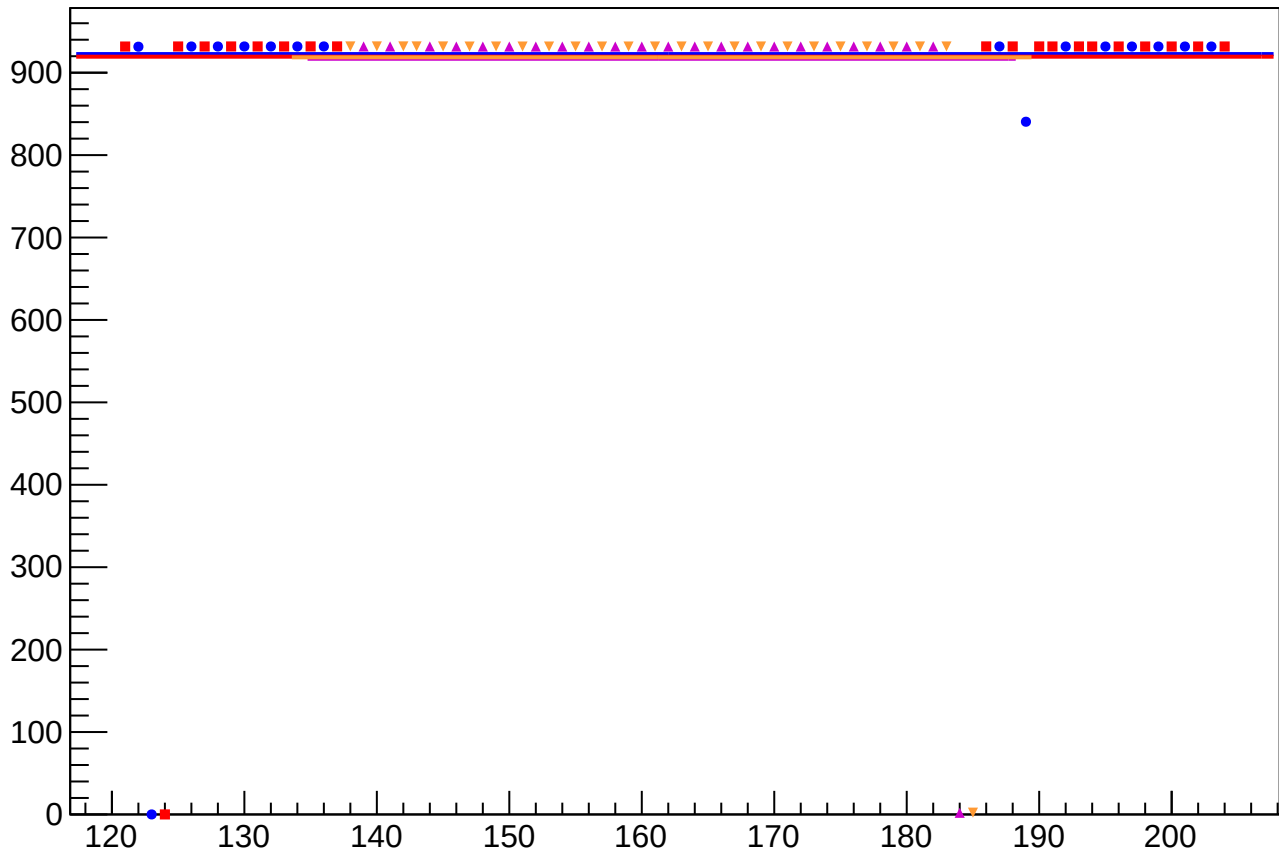
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42305019711196504

All: 0.009+/-0.000 χ^2/NDF : 42697205371553

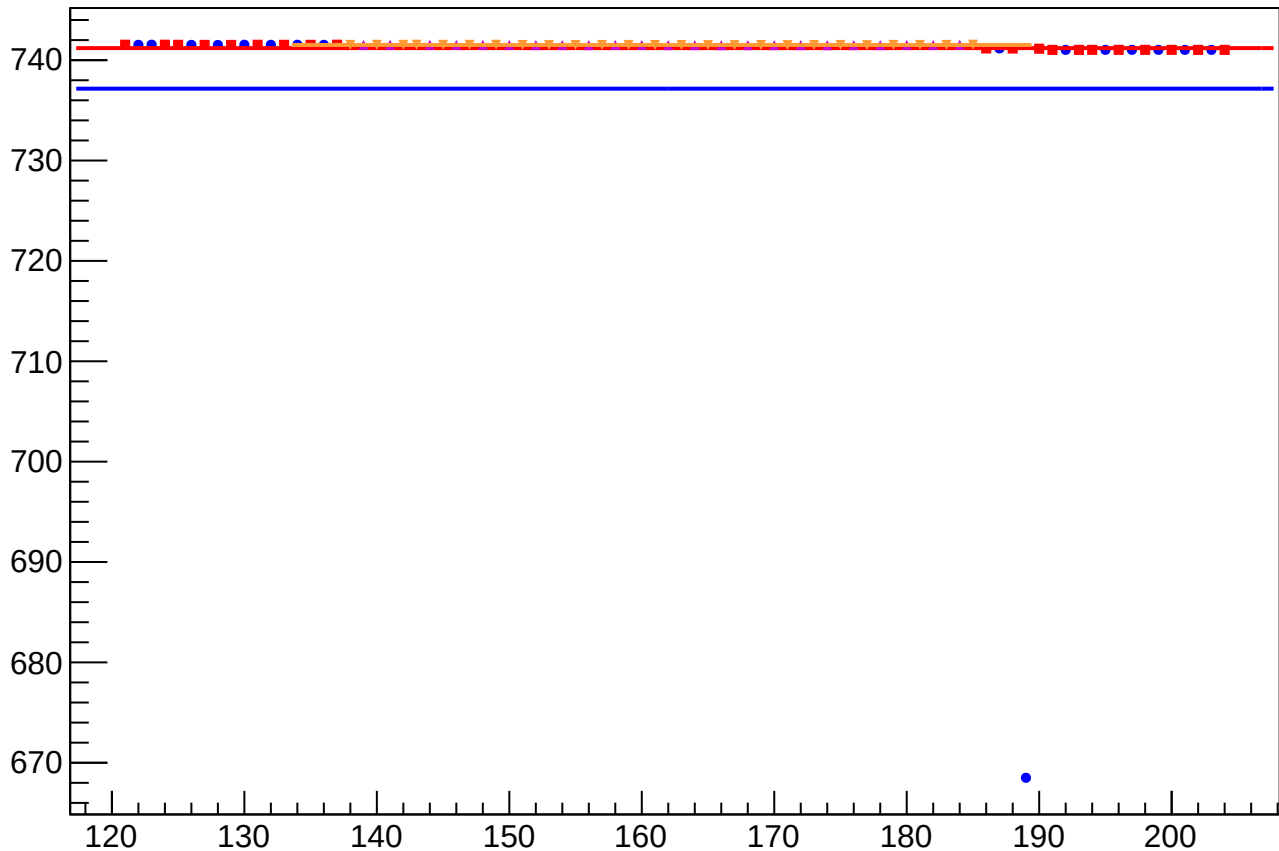
- sign 0.009+/-0.000 χ^2/NDF : 0.2/42

HacL_Q2_HP3458A_IOUT_mean vs Slug



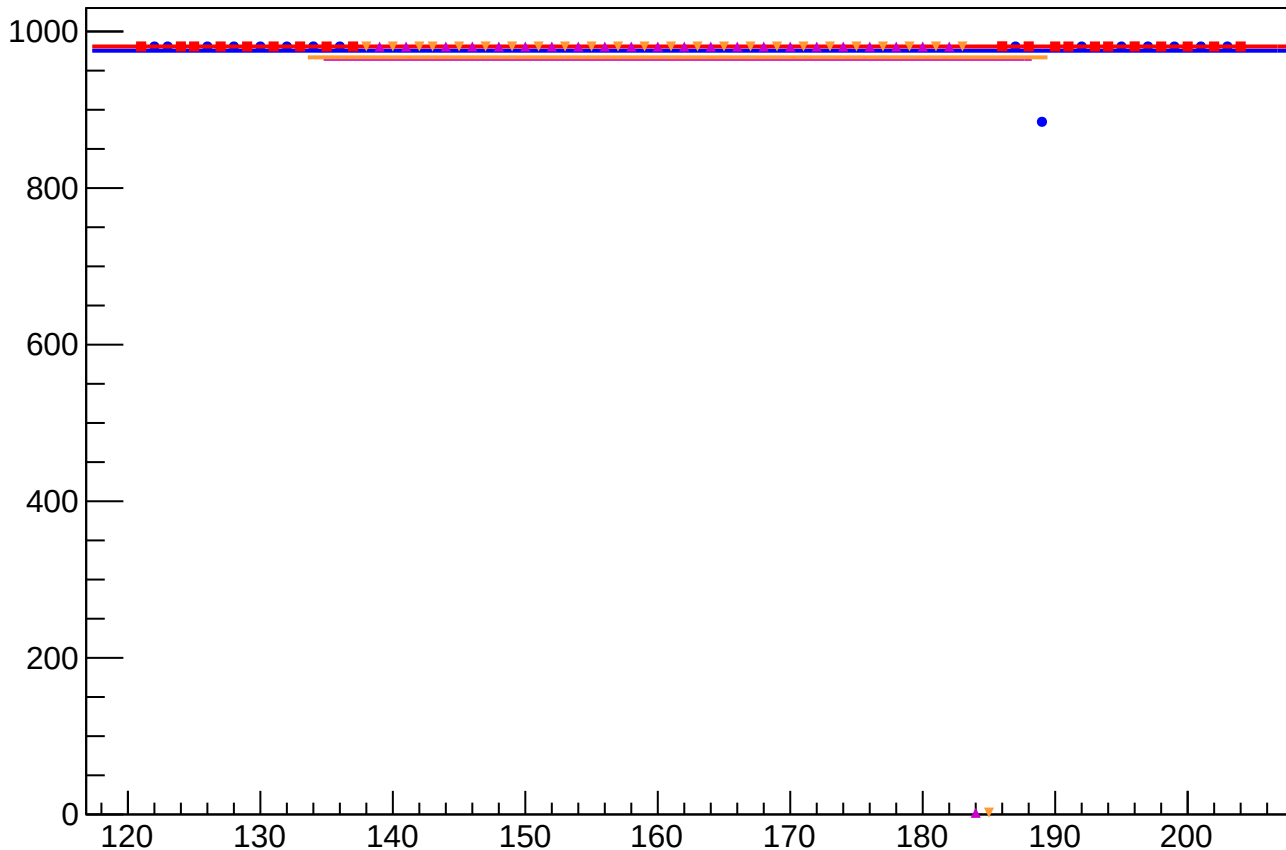
Right In: 922.593+/-0.000 χ^2/NDF : 3820658740824358024344967605534064640.0/15
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 919.413+/-0.000 χ^2/NDF : 11993117284430840690879380901387567104.0/19
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22
 All: 918.861+/-0.000 χ^2/NDF : 635053169889
 + sign 919.921+/-0.000 χ^2/NDF : 268337786950009
 - sign 917.817+/-0.000 χ^2/NDF : 366652511238887

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 737.159+/-0.000 χ^2/NDF : 254703843805641992823474182487539712.0/15
 Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24
 Right Out: 741.199+/-0.000 χ^2/NDF : 51630107341382320956767224201216.0/19
 Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22
 All: 740.756+/-0.000 χ^2/NDF : 266892486865
 + sign 740.106+/-0.000 χ^2/NDF : 266405270680003
 - sign 741.397+/-0.000 χ^2/NDF : 117273679366752

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 975.442 $\pm$ 0.000 χ^2 /NDF: 445407815979311476974673216116097024.0/15

Left Out: 966.936 $\pm$ 0.000 χ^2 /NDF: 25485578616543458629432284645183979520.0/24

Right Out: 980.826 $\pm$ 0.000 χ^2 /NDF: 3125601918813779723679116034048.0/19

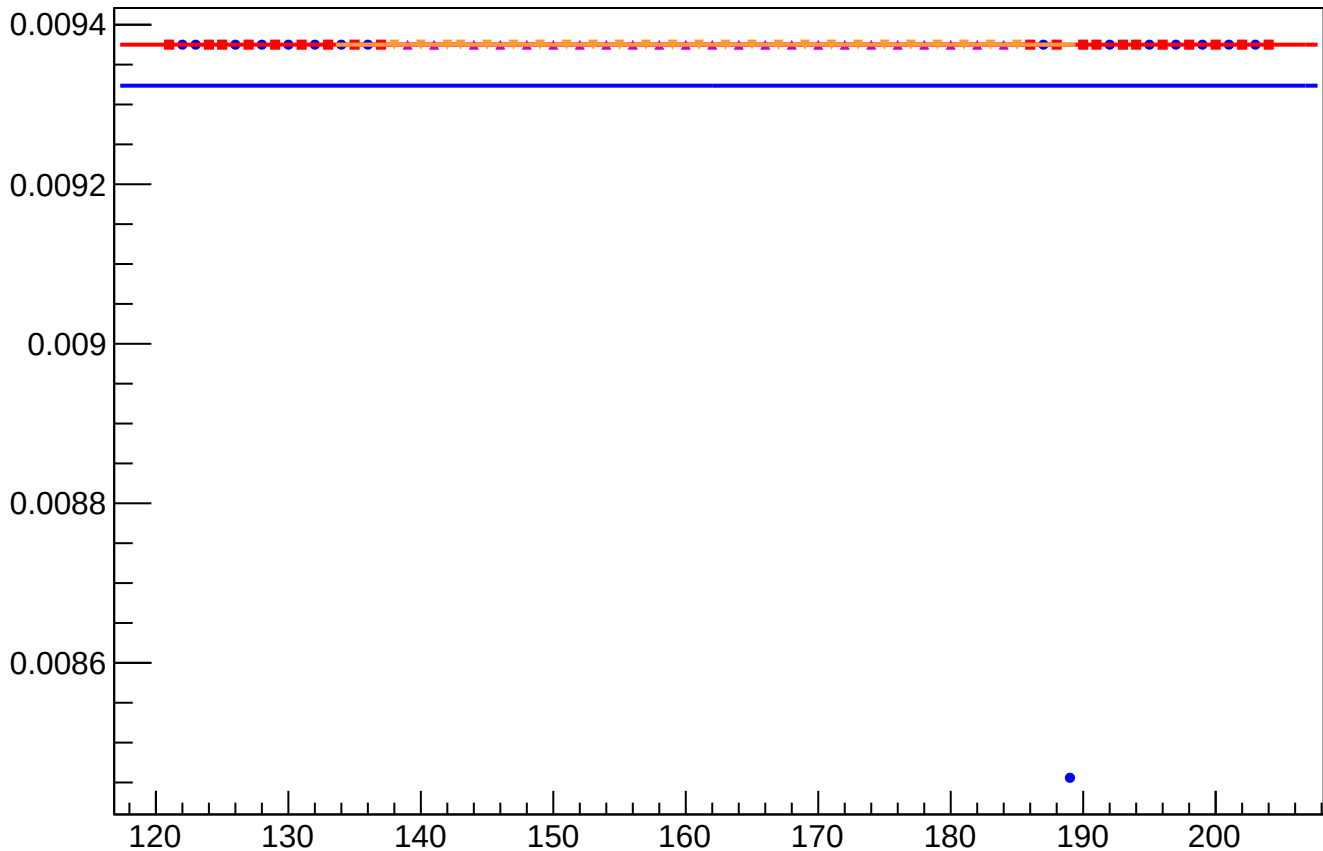
Left In: 965.102 $\pm$ 0.000 χ^2 /NDF: 27330319430012441419356351914146004992.0/22

+ sign 969.685 $\pm$ 0.000 χ^2 /NDF: 259756518442084

All: 970.289 $\pm$ 0.000 χ^2 /NDF: 53472642439

- sign 970.883 $\pm$ 0.000 χ^2 /NDF: 274949496867800

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 40674357222328725592342528.0/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/19

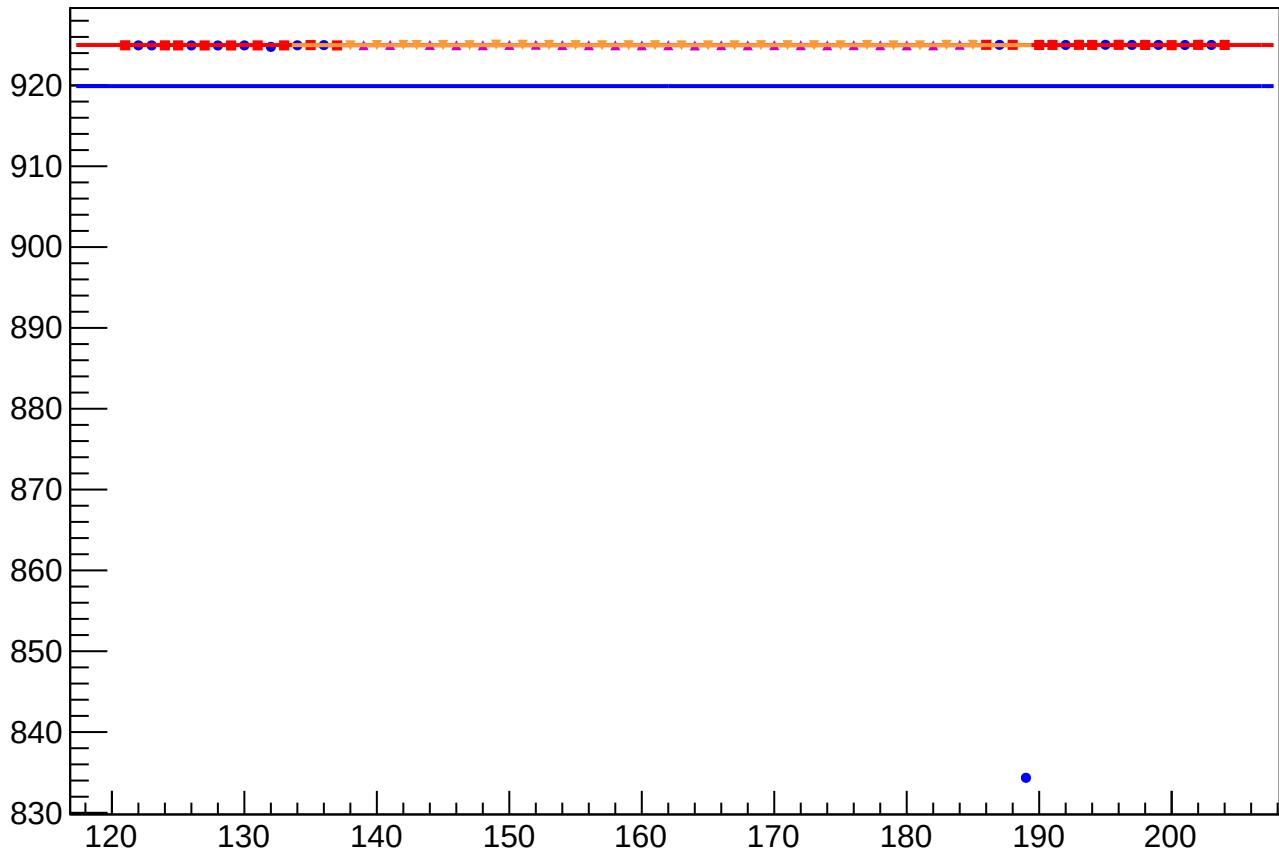
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42305019711196504

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42697205371553

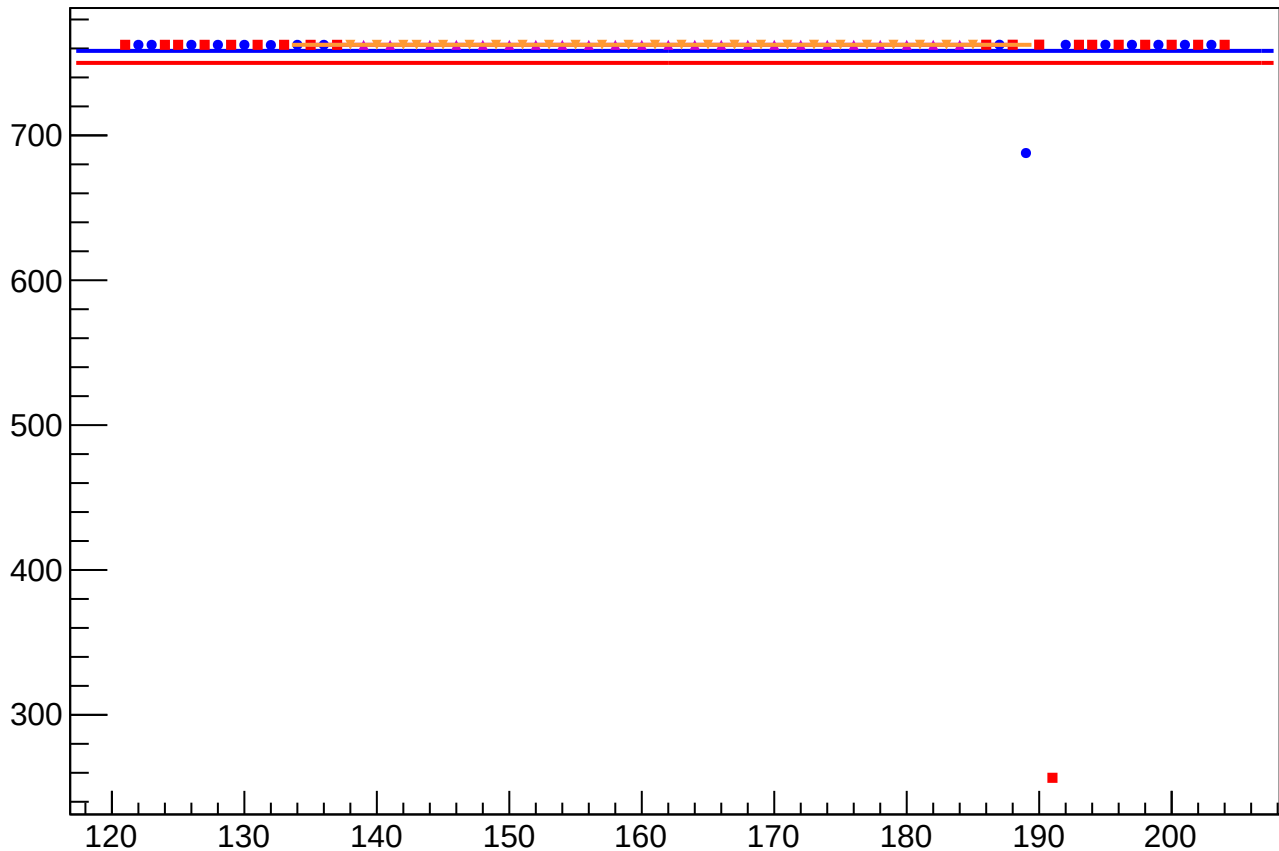
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/42

HacR_Q2_HP3458A_IOUT_mean vs Slug



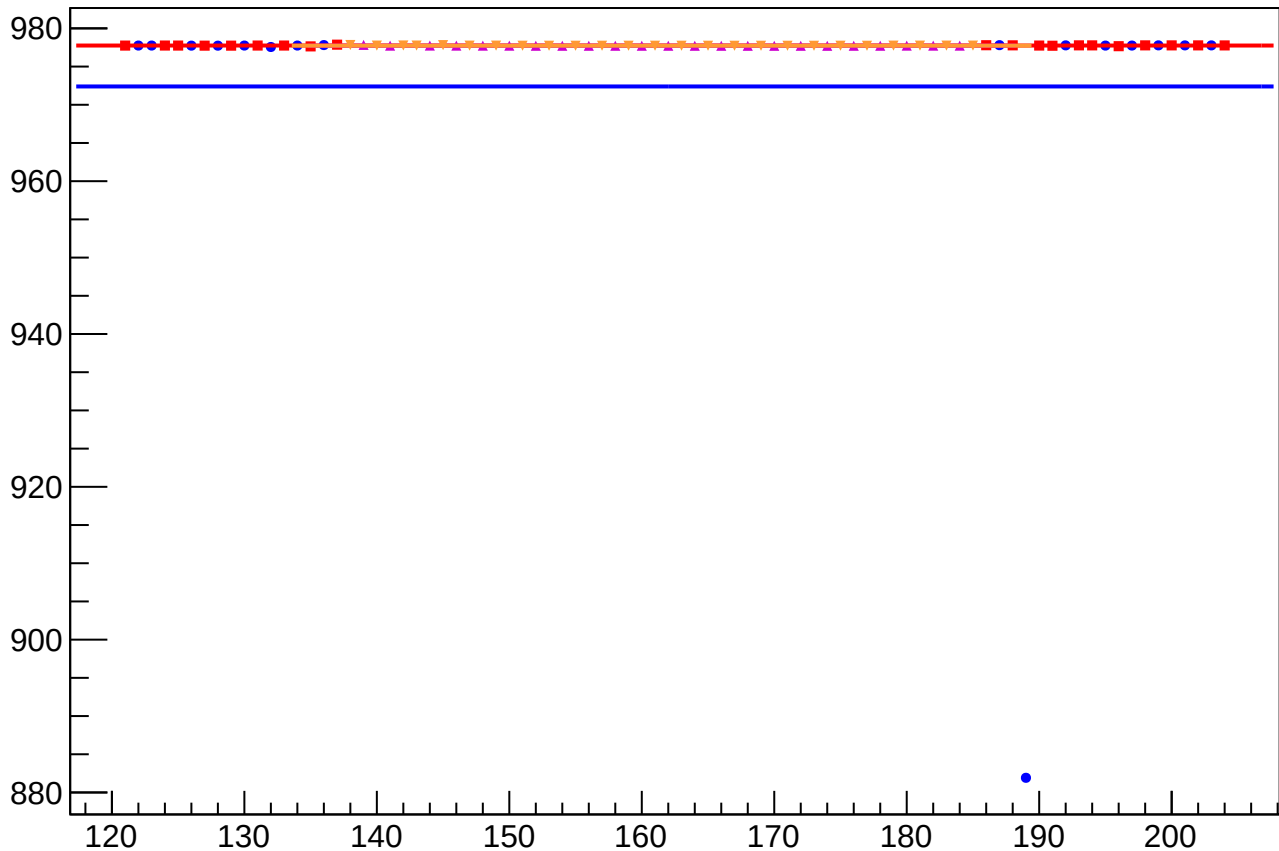
Right In: 919.914 $\pm$ 0.000 χ^2 /NDF: 395588678099292447036018833078878208.0/15
 Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24
 Right Out: 924.995 $\pm$ 0.000 χ^2 /NDF: 830059120593427231583634456576.0/19
 Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22
 + sign 923.345 $\pm$ 0.000 χ^2 /NDF: 411445306628121
 All: 924.172 $\pm$ 0.000 χ^2 /NDF: 41528321633
 - sign 924.987 $\pm$ 0.000 χ^2 /NDF: 182171309733942

HacR_D1_HP3458A_IOUT_mean vs Slug



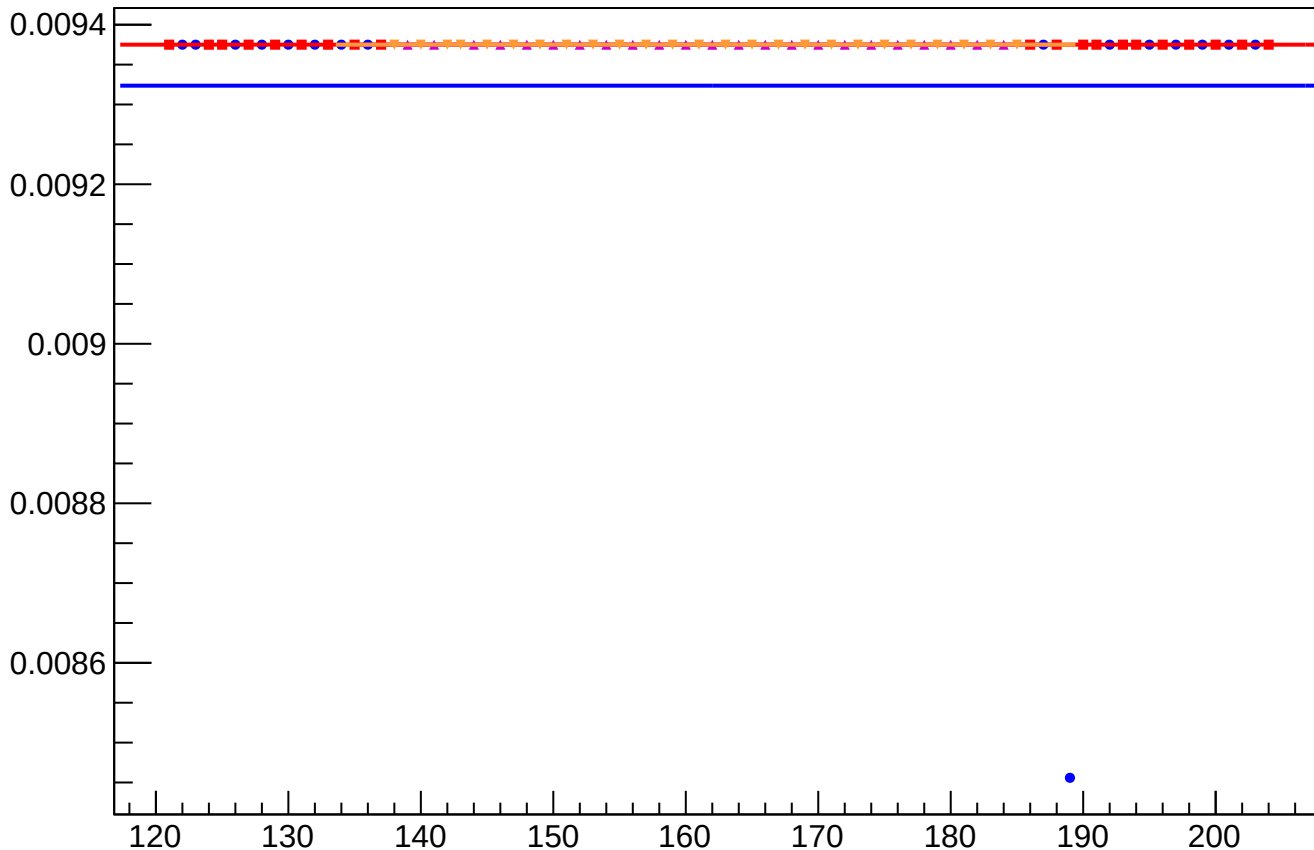
Right In: 758.333+/-0.000 χ^2/NDF : 268662409399042274733276786707136512.0/15
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 750.035+/-0.000 χ^2/NDF : 6491972428360604502254027752928706560.0/19
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 759.535+/-0.000 χ^2/NDF : 689012150782
 + sign 761.166+/-0.000 χ^2/NDF : 279475213769430
 - sign 757.929+/-0.000 χ^2/NDF : 659575366150119

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 972.397 $\pm$ 0.000 χ^2 /NDF: 442225479233868099095531323545092096.0/15
Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24
Right Out: 977.753 $\pm$ 0.000 χ^2 /NDF: 1802755731209081229474174861312.0/19
Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22
+ sign 976.012 $\pm$ 0.000 χ^2 /NDF: 459831635888167
All: 976.883 $\pm$ 0.000 χ^2 /NDF: 464087966320
- sign 977.742 $\pm$ 0.000 χ^2 /NDF: 300681816183630

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40674357222328725592342528.0/15

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/19

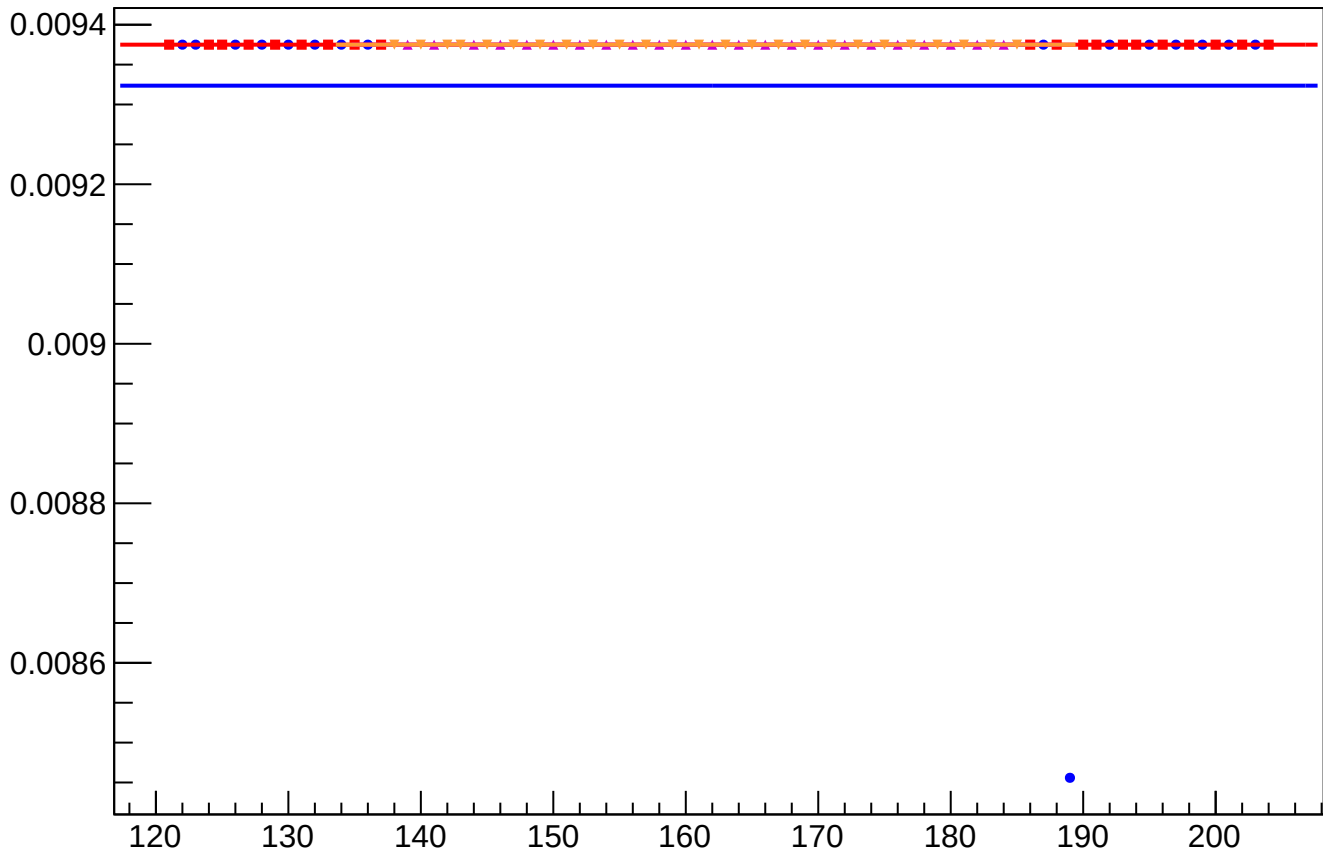
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42305019711196504

All: 0.009+/-0.000 χ^2/NDF : 42697205371553

- sign 0.009+/-0.000 χ^2/NDF : 0.2/42

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40674357222328725592342528.0/15

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/19

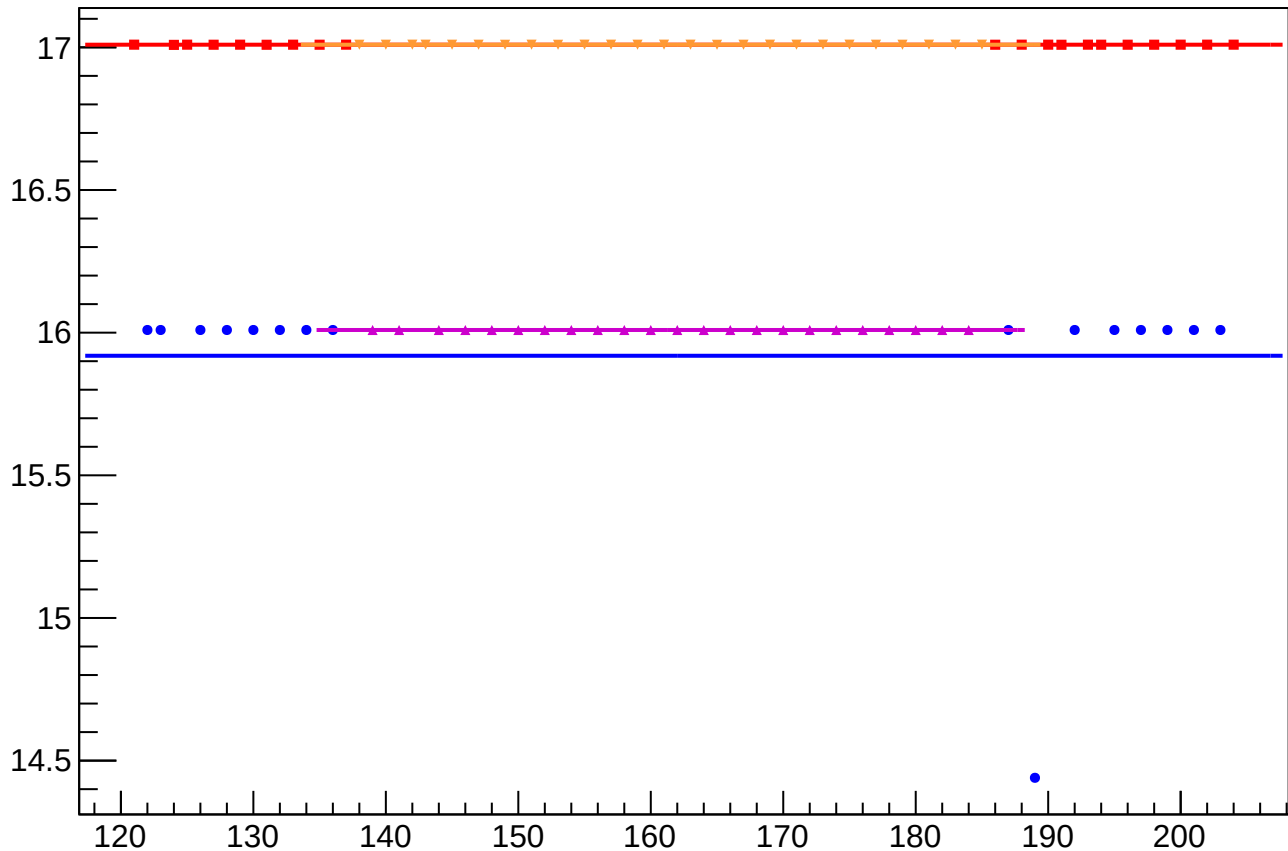
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42305019711196504

All: 0.009+/-0.000 χ^2/NDF : 42697205371553

- sign 0.009+/-0.000 χ^2/NDF : 0.2/42

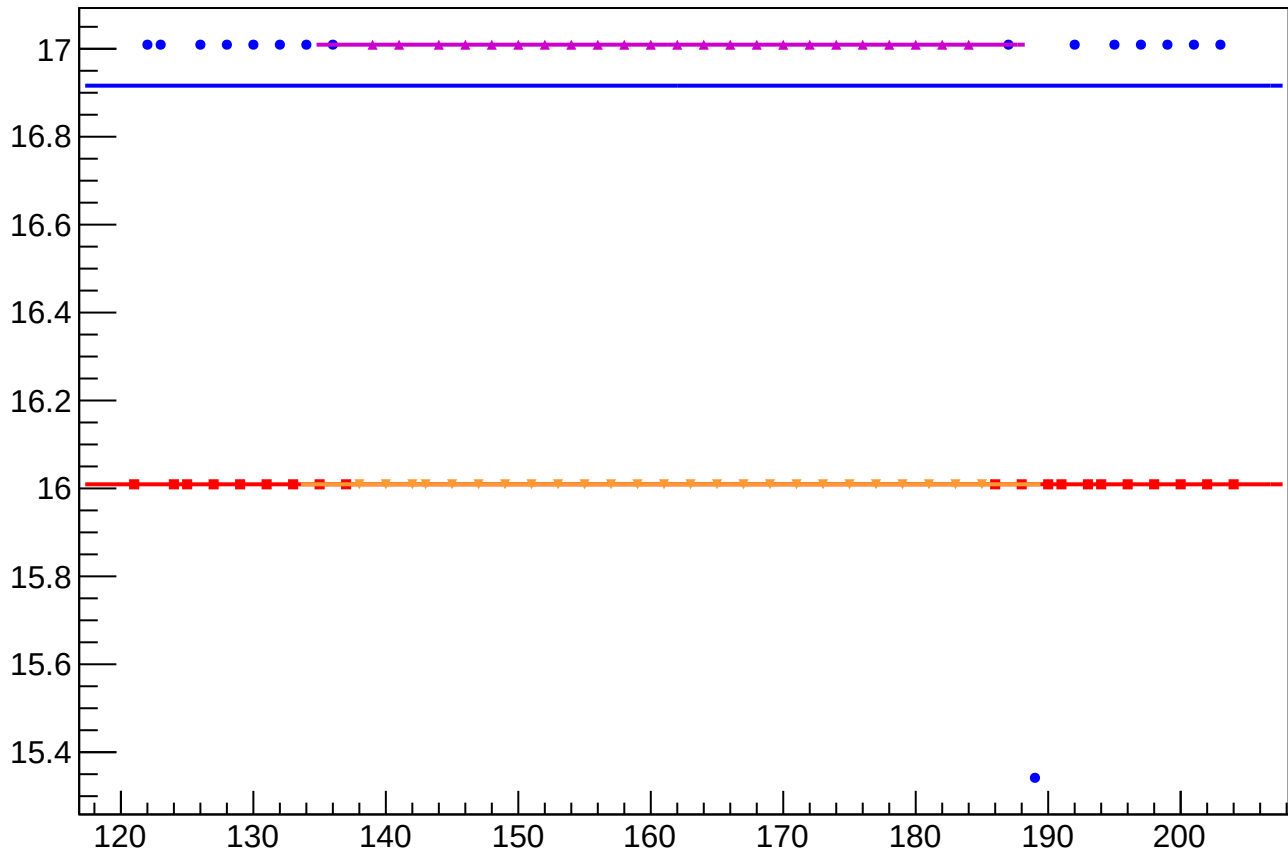
IGL1I00DI24_24M_mean vs Slug



Right In: 15.919+/-0.000 χ^2/NDF : 118404789641150957916317007478784.0/15
 Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24
 Right Out: 17.009+/-0.000 χ^2/NDF : 14644701659590047433752576.0/19
 Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

+ sign 16.646+/-0.000 χ^2/NDF : 8208816580481494
 All: 16.517+/-0.000 χ^2/NDF : 1550339703239
 - sign 16.391+/-0.000 χ^2/NDF : 6415320704151383

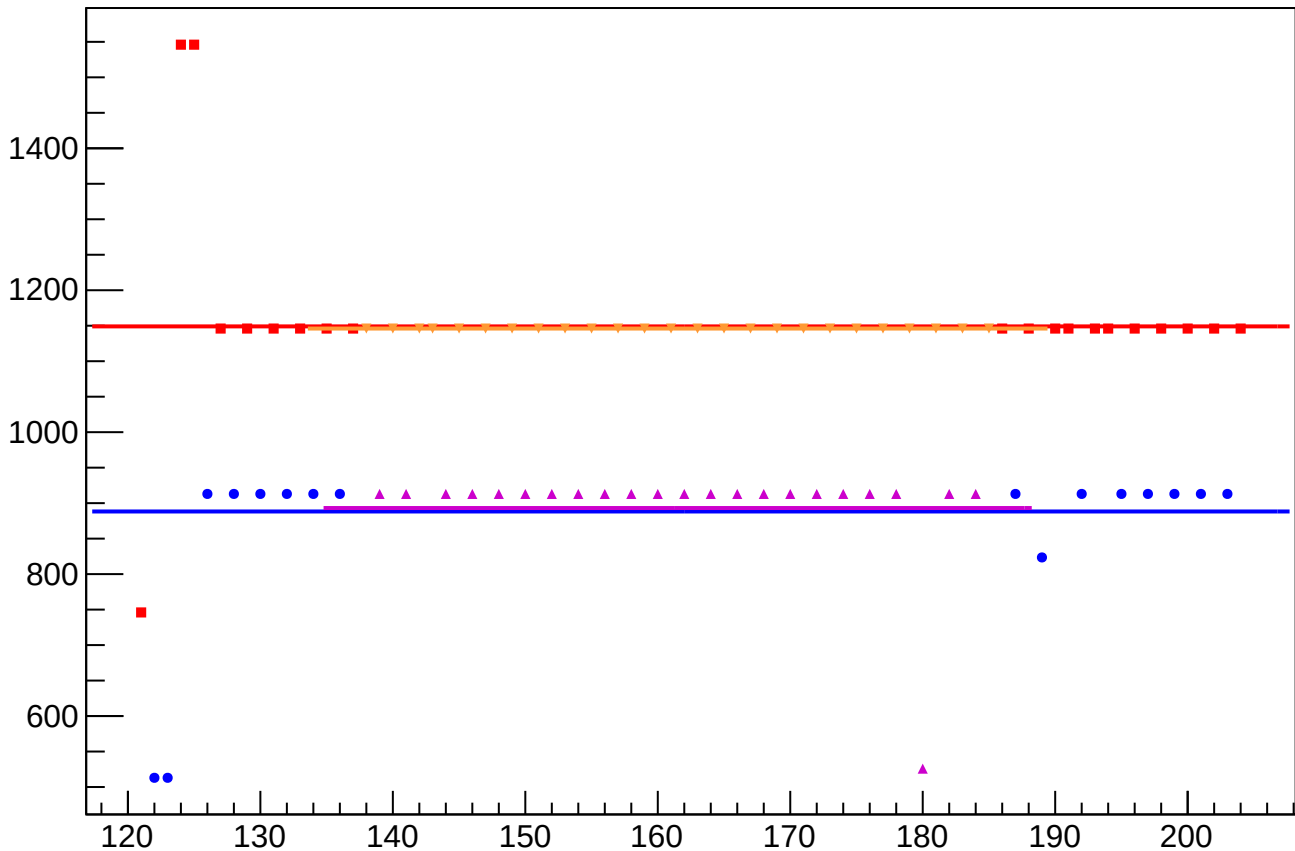
IGL1I00OD16_16_mean vs Slug



Right In: 16.916 $\pm$ 0.000 χ^2/NDF : 133891487831393704437490691080192.0/15
 Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 89740.8/24
 Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 220679.1/19
 Left In: 17.009 $\pm$ 0.000 χ^2/NDF : 115033472633445654986752.0/22

+ sign 16.305 $\pm$ 0.000 χ^2/NDF : 6393175622654142
 All: 16.471 $\pm$ 0.000 χ^2/NDF : 1452747955038
 - sign 16.636 $\pm$ 0.000 χ^2/NDF : 6596635044625720

RTPAPOSUCNT_mean vs Slug



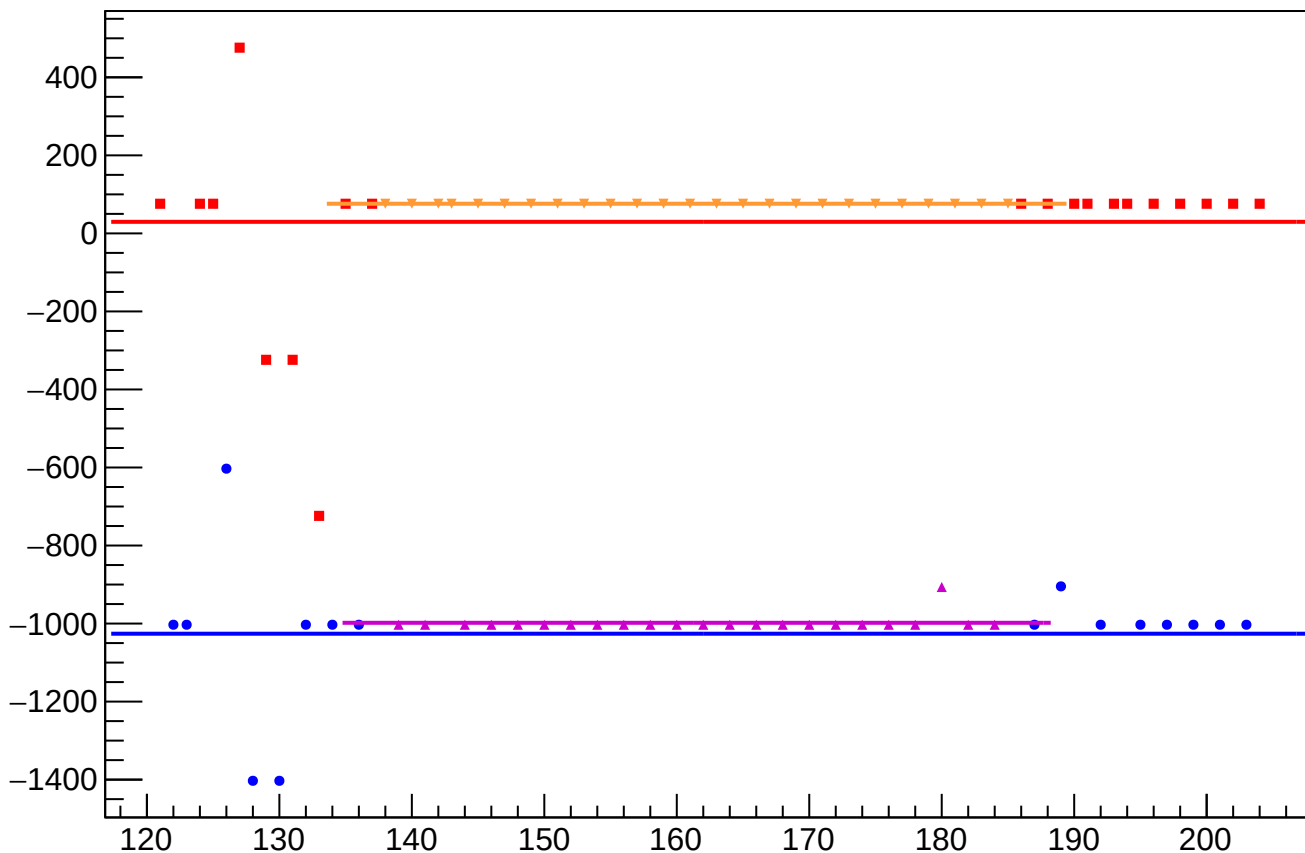
Right In: 888.252+/-0.000 χ^2/NDF : 7050372181603491940273208024144805888.0/15

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

Right Out: 1149.049+/-0.000 χ^2/NDF : 13750941573780521308669851781560270848.0/19

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1025.999+/-0.000 χ^2/NDF : 23209909704078063556727032110982889472.0/15

Left Out: 76.011+/-0.000 χ^2 /NDF:11003263624957134120836661248.0/24

Right Out: 29.667+/-0.000 χ^2/NDF : 44778182312095896613536158351131410432.0/19

Left In: -998.020+/-0.000 χ^2/NDF :826231736084035689068445378231140352.0/22