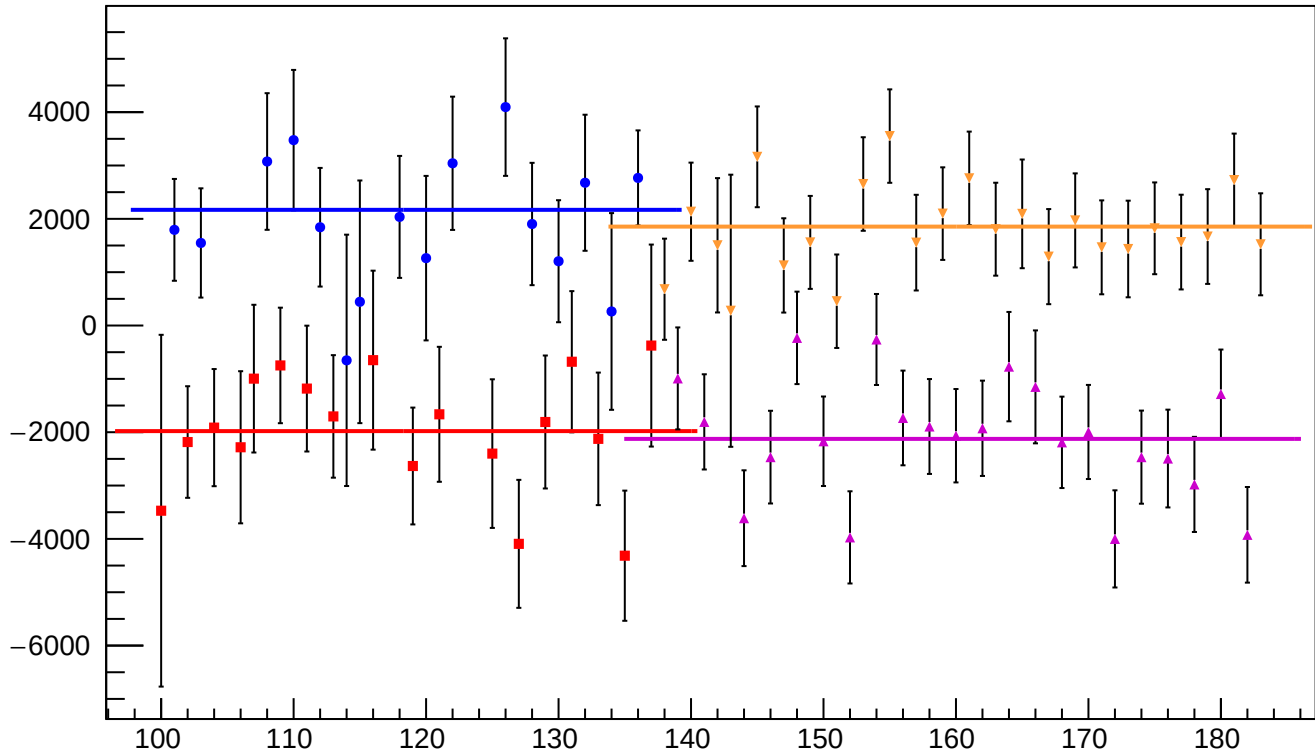


reg_asym_us_avg_mean vs Slug



Right In: 2168.910 $\pm$ 308.001

χ^2 /NDF: 9.6/15

Left Out: 1854.359 $\pm$ 188.273

χ^2 /NDF: 15.3/23

Right Out: -1979.368 $\pm$ 301.309

χ^2 /NDF: 12.2/17

Left In: -2125.247 $\pm$ 190.303

χ^2 /NDF: 32.0/21

+ sign 1939.921 $\pm$ 160.638

χ^2 /NDF: 25.7/39

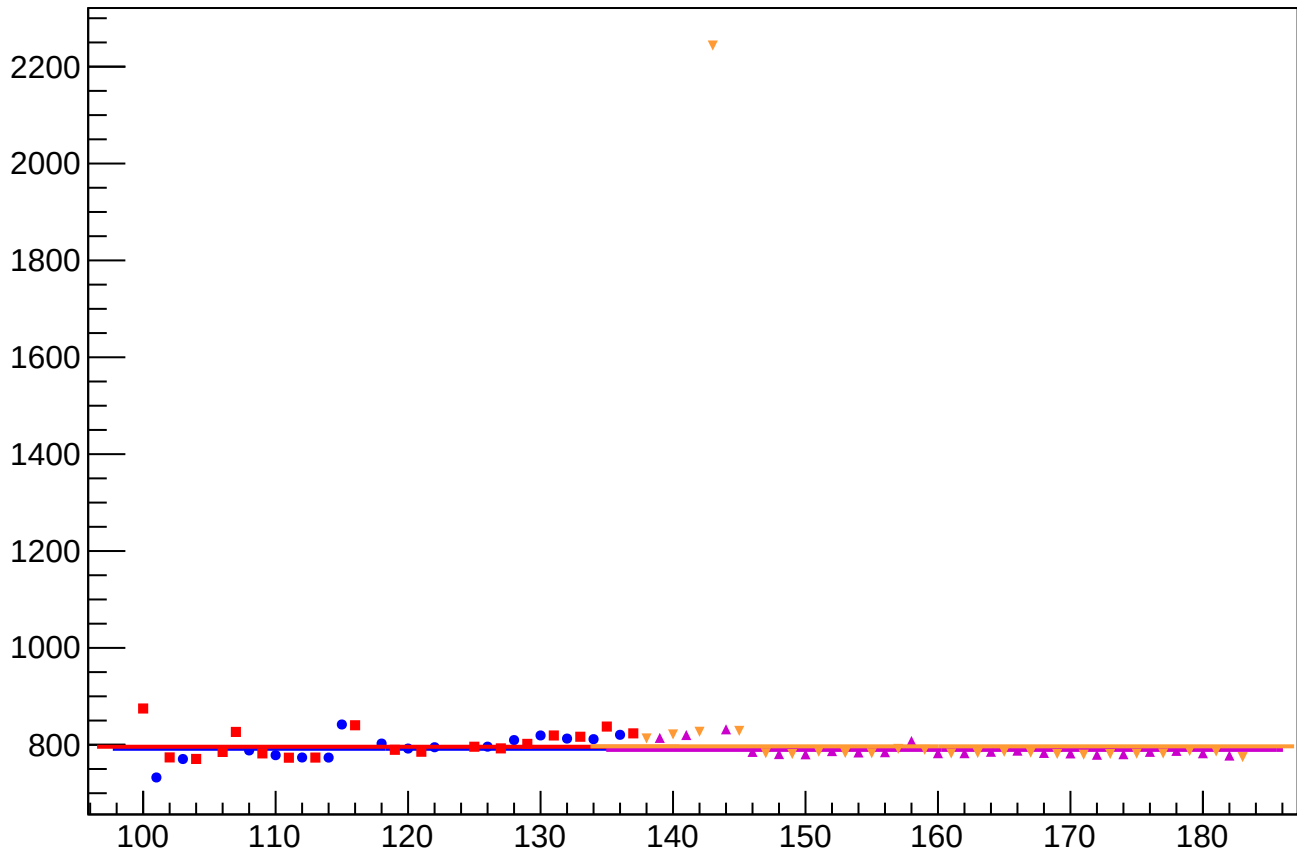
All: -68.605 $\pm$ 113.680

χ^2 /NDF: 383.3/79

- sign -2083.649 $\pm$ 160.898

χ^2 /NDF: 44.4/39

reg_asym_us_avg_rms vs Slug



Right In: 791.722 $\pm$ 0.218 χ^2 /NDF: 15122.0/15

Left Out: 796.790 $\pm$ 0.133 χ^2 /NDF: 658235.6/23

Right Out: 795.921 $\pm$ 0.213 χ^2 /NDF: 11575.2/17

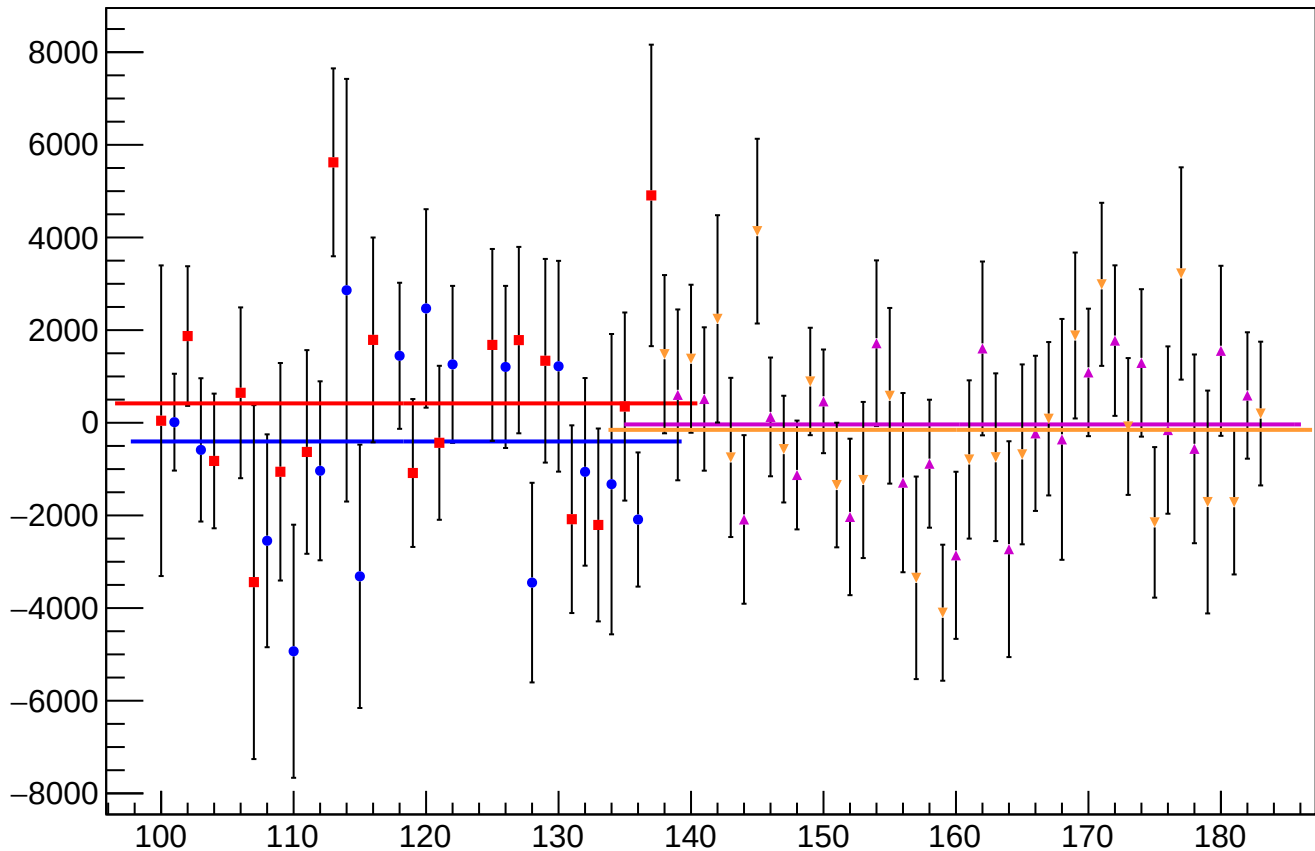
Left In: 789.423 $\pm$ 0.135 χ^2 /NDF: 11157.7/21

+ sign 795.411 $\pm$ 0.114 χ^2 /NDF: 673751.6/39

All: 793.347 $\pm$ 0.080 χ^2 /NDF: 697811.0/79

- sign 791.276 $\pm$ 0.114 χ^2 /NDF: 23397.8/39

asym_us_avg_correction_mean vs Slug



Right In: -403.277 ± 465.456 χ^2/NDF : 14.5/15

Left Out: -152.852 ± 336.781 χ^2/NDF : 29.4/23

Right Out: 418.532 ± 473.834 χ^2/NDF : 17.5/17

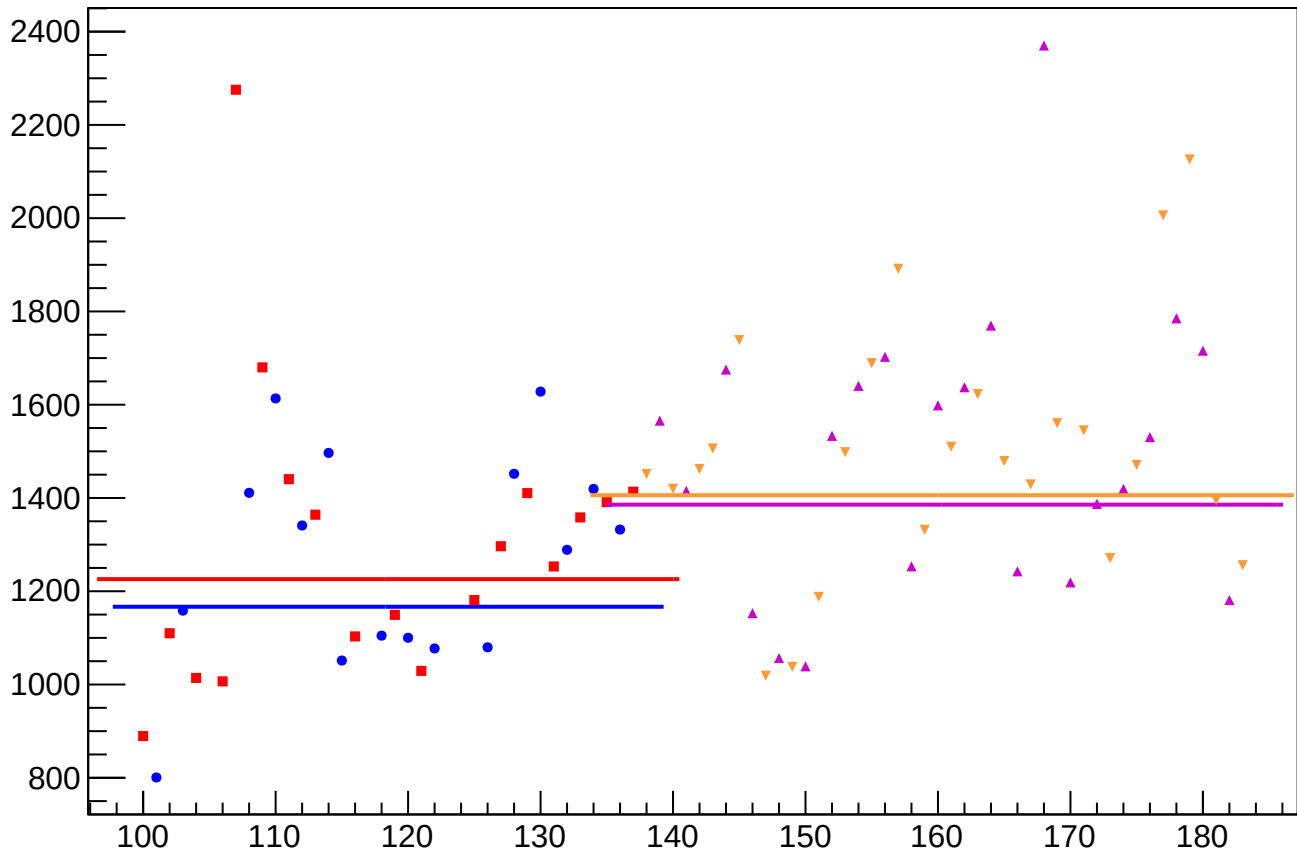
Left In: -35.448 ± 341.719 χ^2/NDF : 14.0/21

+ sign -238.905 ± 272.849 χ^2/NDF : 44.0/39

All: -62.325 ± 194.440 χ^2/NDF : 76.9/79

- sign 119.880 ± 277.161 χ^2/NDF : 32.0/39

asym_us_avg_correction_rms vs Slug



Right In: 1166.780+/-0.329 χ^2/NDF : 529794.9/15

Left Out: 1405.881+/-0.238 χ^2/NDF : 1121179.7/23

Right Out: 1225.994+/-0.335 χ^2/NDF : 441386.8/17

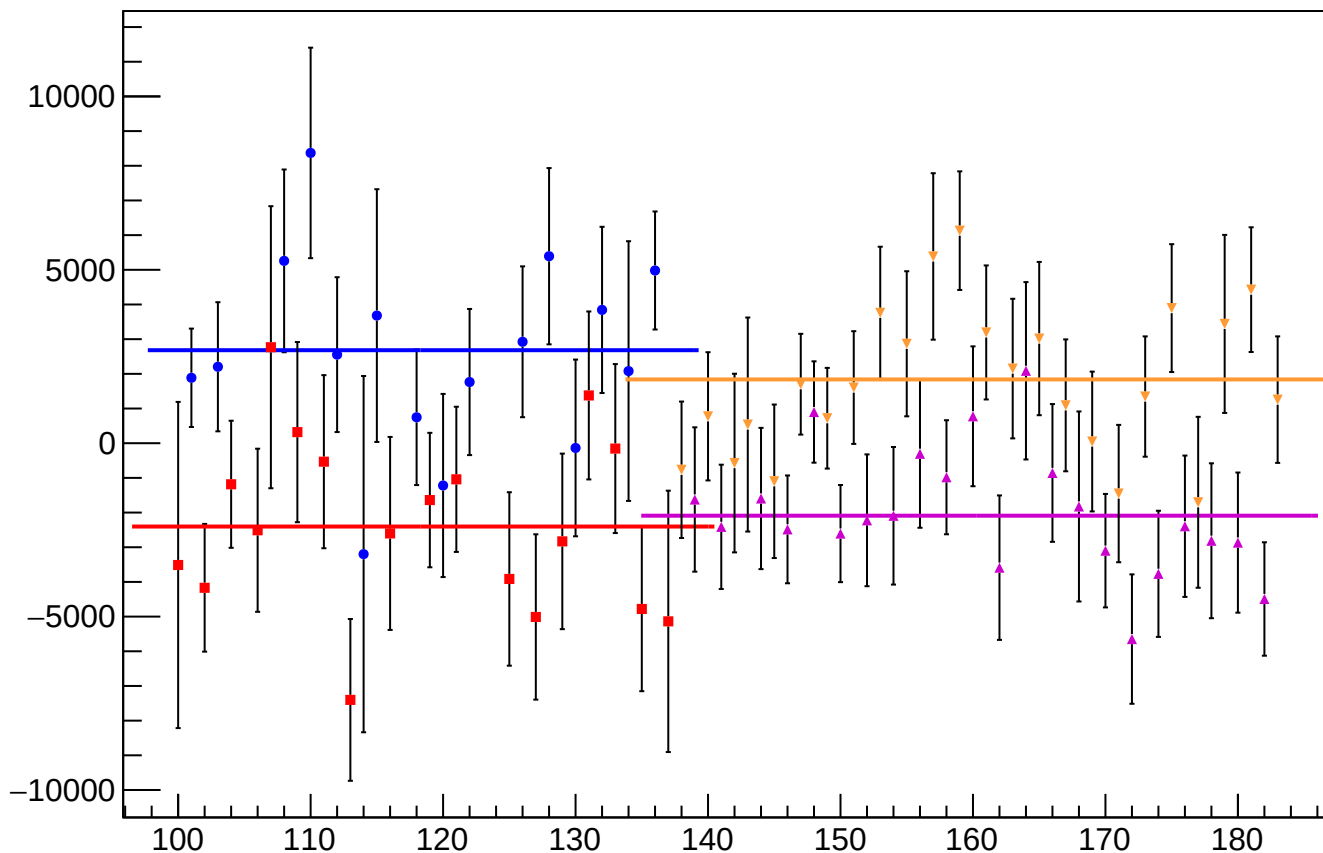
Left In: 1385.677+/-0.242 χ^2/NDF : 1262447.7/21

+ sign 1323.719+/-0.193 χ^2/NDF : 1997380.6/39

All: 1327.323+/-0.137 χ^2/NDF : 3851348.3/79

- sign 1331.042+/-0.196 χ^2/NDF : 1853258.6/39

asym_us_avg_mean vs Slug



Right In: 2681.840 ± 568.598 χ^2/NDF : 14.0/15

Left Out: 1838.957 ± 395.071 χ^2/NDF : 25.7/23

Right Out: -2402.934 ± 570.326 χ^2/NDF : 16.3/17

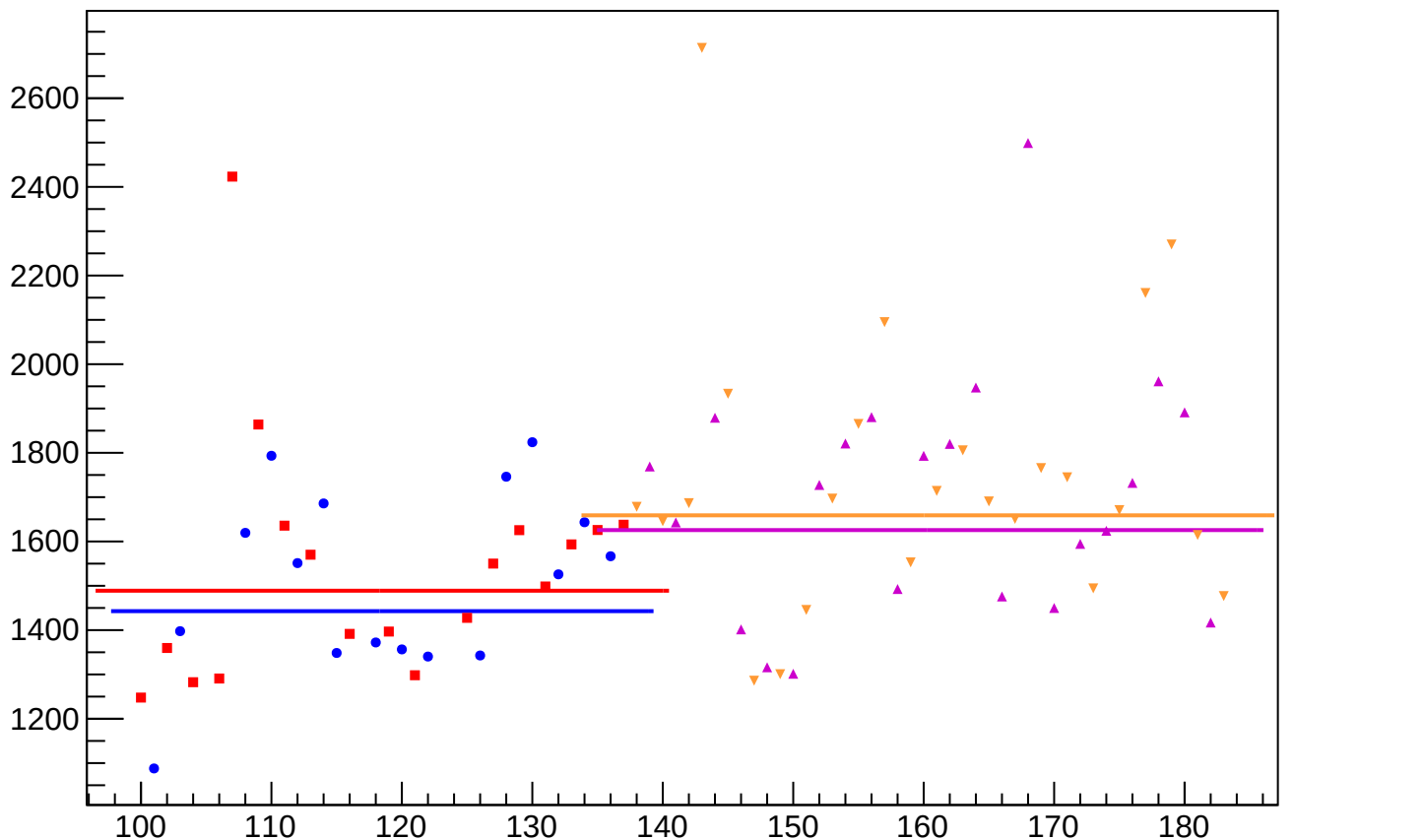
Left In: -2090.283 ± 397.317 χ^2/NDF : 18.6/21

+ sign 2113.388 ± 324.443 χ^2/NDF : 41.3/39

All: -29.171 ± 229.967 χ^2/NDF : 164.0/79

- sign -2192.440 ± 326.007 χ^2/NDF : 35.1/39

asym_us_avg_rms vs Slug



Right In: 1442.805 $\pm$ 0.402 χ^2 /NDF: 278289.5/15

Left Out: 1658.982 $\pm$ 0.279 χ^2 /NDF: 904421.2/23

Right Out: 1488.914 $\pm$ 0.403 χ^2 /NDF: 256704.3/17

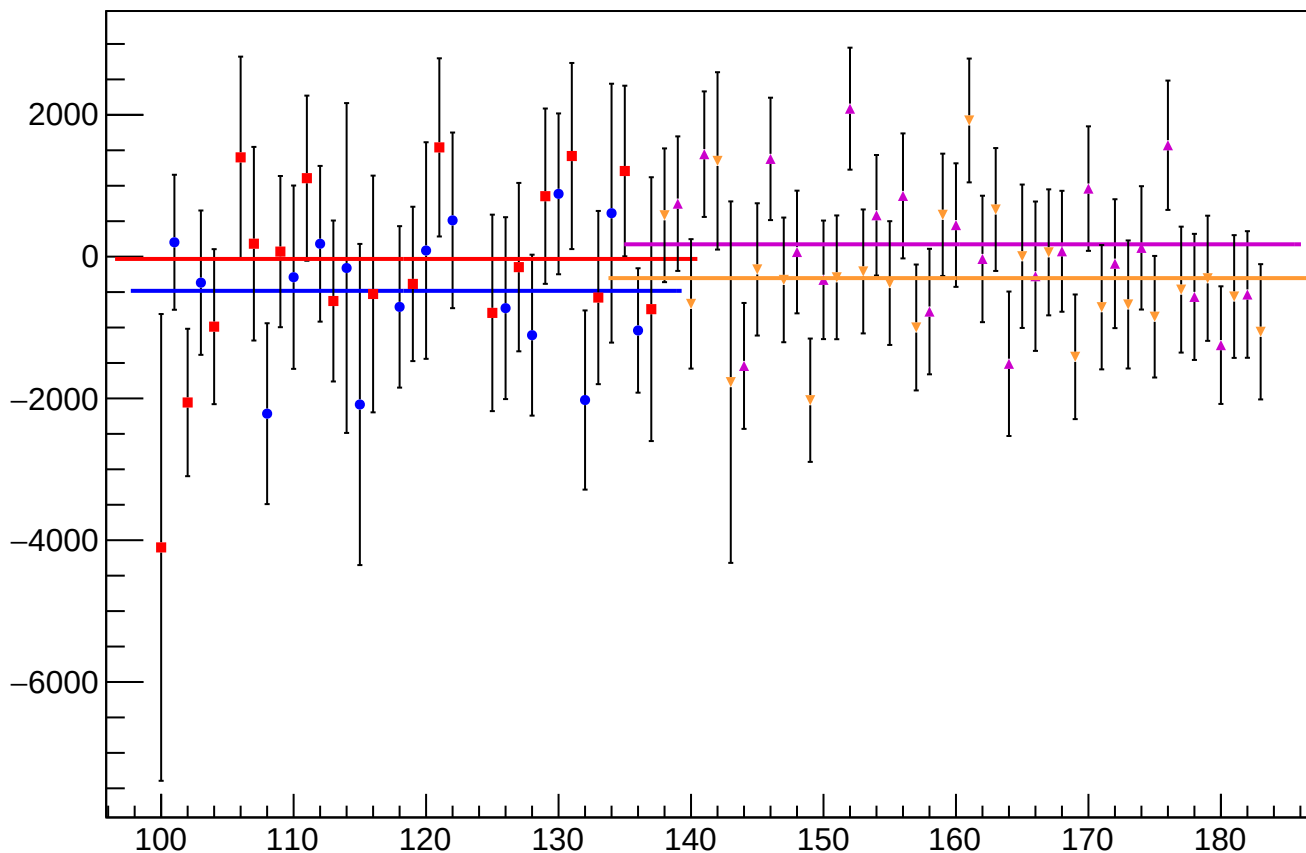
Left In: 1625.694 $\pm$ 0.281 χ^2 /NDF: 764595.8/21

+ sign 1588.598 $\pm$ 0.229 χ^2 /NDF: 1377679.6/39

All: 1584.818 $\pm$ 0.163 χ^2 /NDF: 2476973.1/79

- sign 1581.002 $\pm$ 0.231 χ^2 /NDF: 1098747.9/39

reg_asym_us_dd_mean vs Slug



Right In: -482.437 $\pm$ 305.341 χ^2 /NDF: 8.2/15

Left Out: -302.899 $\pm$ 187.399 χ^2 /NDF:19.9/23

Right Out: -32.457 $\pm$ 298.450 χ^2 /NDF: 13.6/17

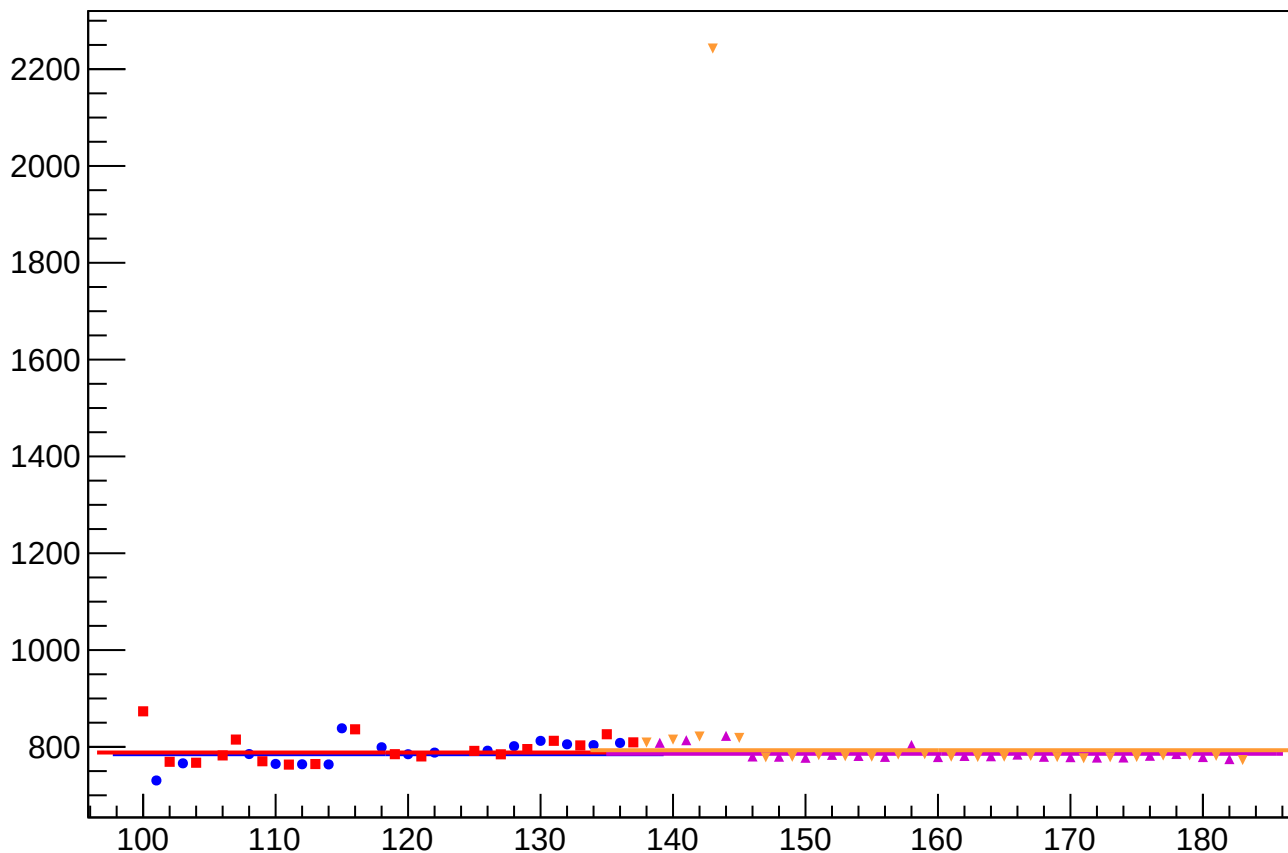
Left In: 173.999 $\pm$ 189.417 χ^2 /NDF:26.0/21

+ sign -352.022 $\pm$ 159.717 χ^2 /NDF: 28.3/39

All: -118.958 $\pm$ 113.011 χ^2 /NDF: 72.5/79

- sign 114.717 $\pm$ 159.926 χ^2 /NDF: 39.9/39

reg_asym_us_dd_rms vs Slug



Right In: 784.921+/-0.216 χ^2/NDF : 13814.6/15

Left Out: 793.113+/-0.133 χ^2/NDF : 659102.1/23

Right Out: 788.394+/-0.211 χ^2/NDF : 10968.1/17

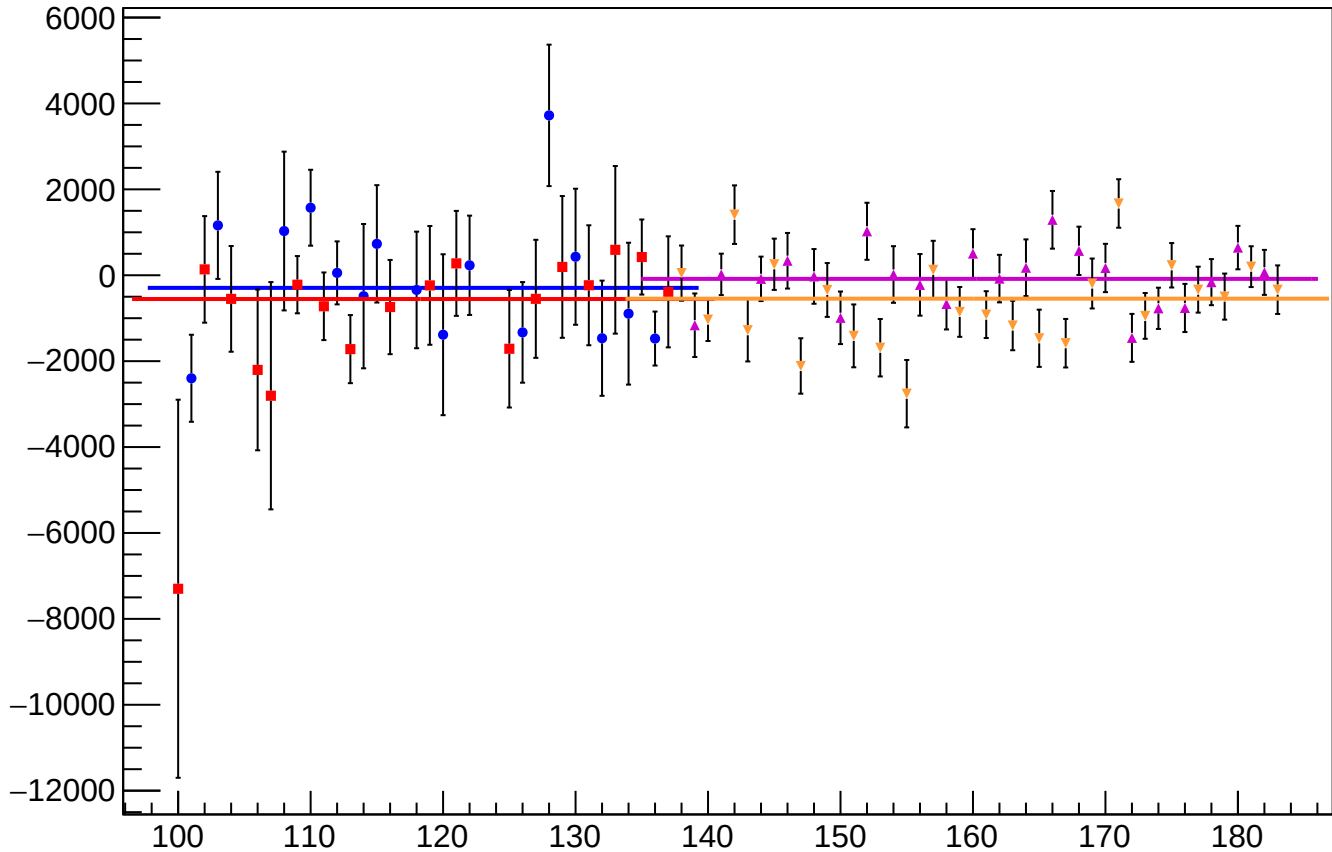
Left In: 785.779+/-0.134 χ^2/NDF : 9257.4/21

+ sign 790.872+/-0.113 χ^2/NDF : 673962.5/39

All: 788.704+/-0.080 χ^2/NDF : 695035.3/79

- sign 786.530+/-0.113 χ^2/NDF : 20335.0/39

asym_us_dd_correction_mean vs Slug



Right In: -293.772 ± 283.190 χ^2/NDF : 23.4/15

Left Out: -545.232 ± 120.576 χ^2/NDF : 60.7/23

Right Out: -553.206 ± 273.321 χ^2/NDF : 9.8/17

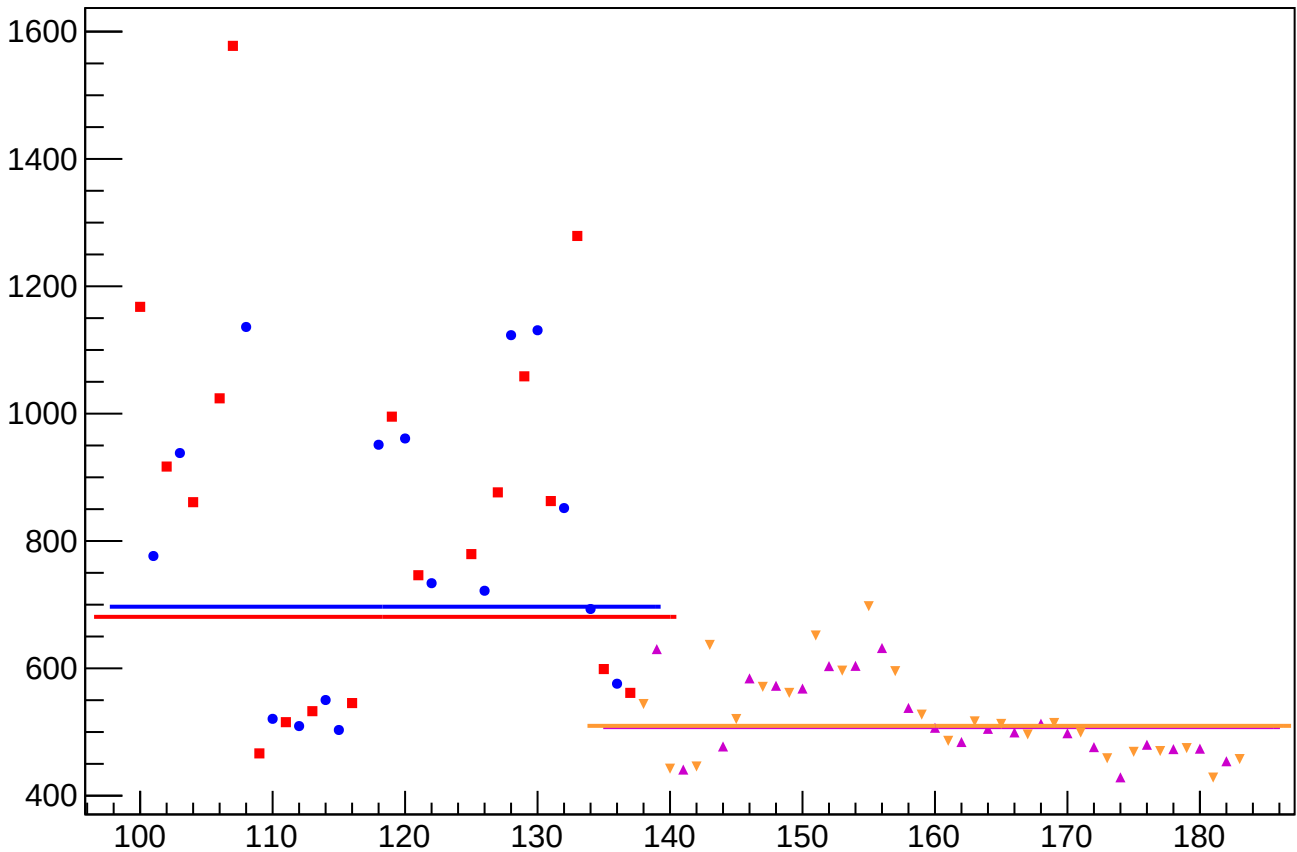
Left In: -84.549 ± 123.368 χ^2/NDF : 27.3/21

+ sign -506.641 ± 110.939 χ^2/NDF : 84.7/39

All: -337.565 ± 78.972 χ^2/NDF : 129.0/79

- sign -163.869 ± 112.444 χ^2/NDF : 39.5/39

asym_us_dd_correction_rms vs Slug



Right In: 696.803+/-0.200 χ^2/NDF : 963973.0/15

Left Out: 509.704+/-0.085 χ^2/NDF : 542251.0/23

+ sign 538.417+/-0.078 χ^2/NDF : 2245258.7/39

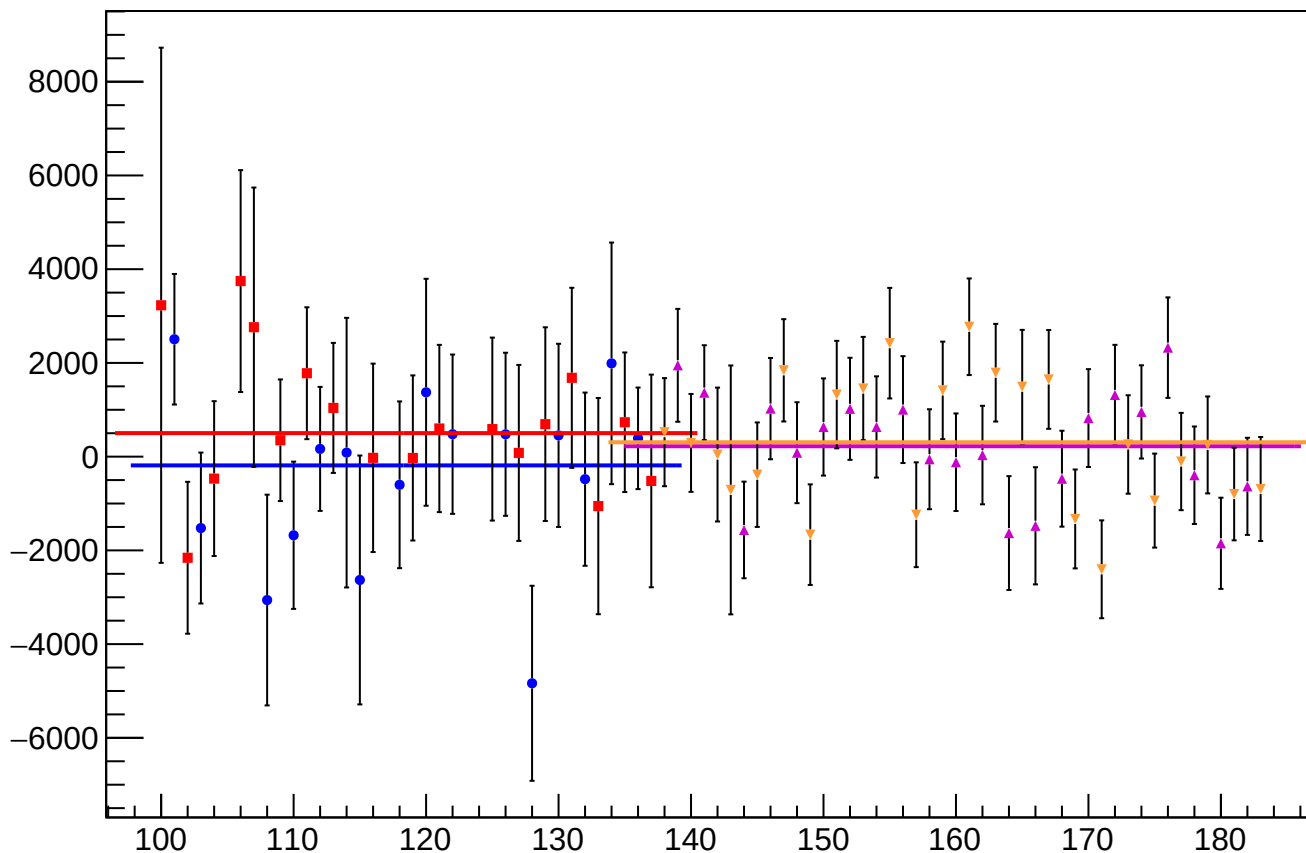
Right Out: 680.884+/-0.193 χ^2/NDF : 1353667.8/17

All: 537.720+/-0.056 χ^2/NDF : 4691938.9/79

Left In: 507.691+/-0.087 χ^2/NDF : 425711.4/21

- sign 537.004+/-0.080 χ^2/NDF : 2446520.0/39

asym_us_dd_mean vs Slug



Right In: -186.802 ± 434.855 χ^2/NDF : 14.8/15

Left Out: 307.326 ± 225.325 χ^2/NDF : 37.3/23

Right Out: 502.321 ± 428.043 χ^2/NDF : 8.0/17

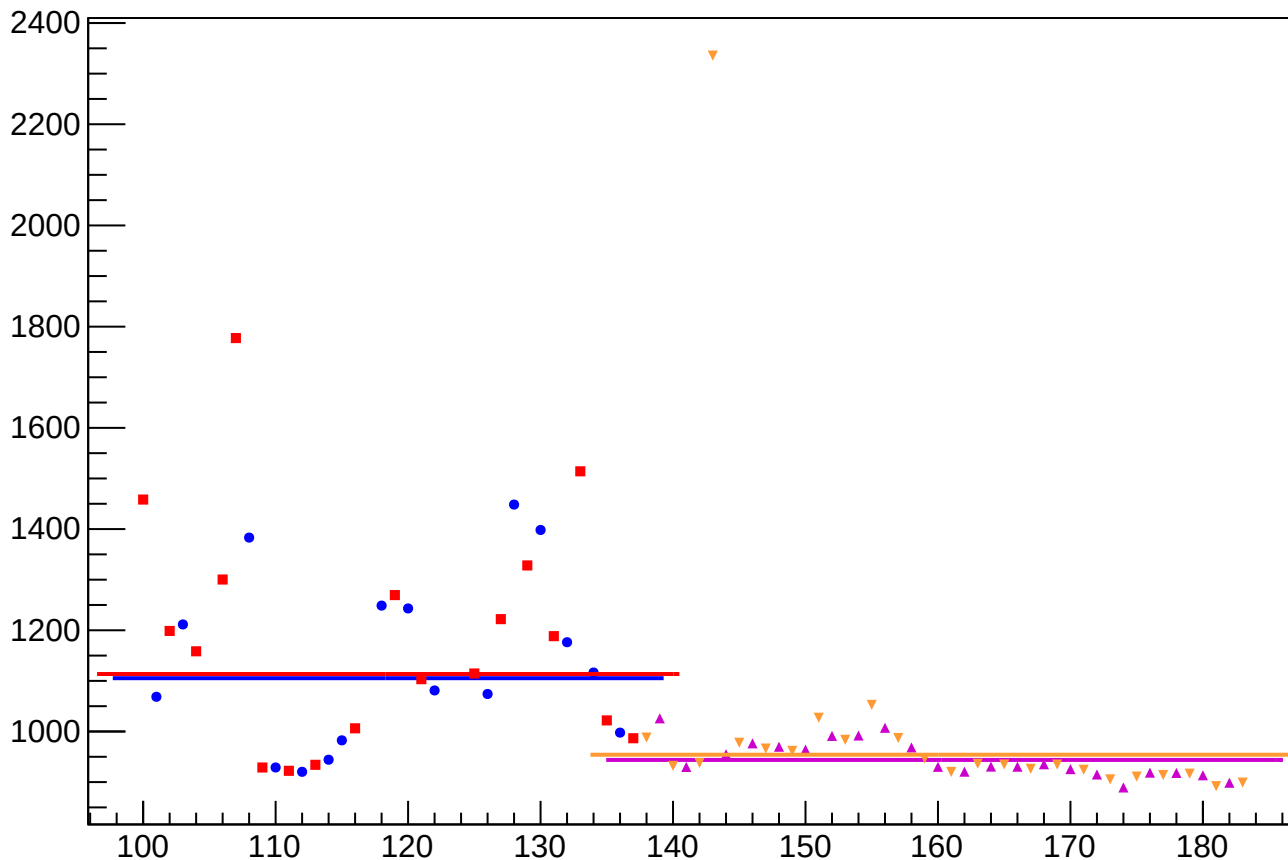
Left In: 221.809 ± 227.676 χ^2/NDF : 24.4/21

+ sign 202.738 ± 200.063 χ^2/NDF : 53.1/39

All: 243.012 ± 141.800 χ^2/NDF : 85.9/79

- sign 283.669 ± 201.010 χ^2/NDF : 32.7/39

asym_us_dd_rms vs Slug



Right In: 1105.313+/-0.307 χ^2/NDF : 258052.8/15

Left Out: 954.110+/-0.159 χ^2/NDF : 604252.8/23

Right Out: 1113.586+/-0.303 χ^2/NDF : 364341.2/17

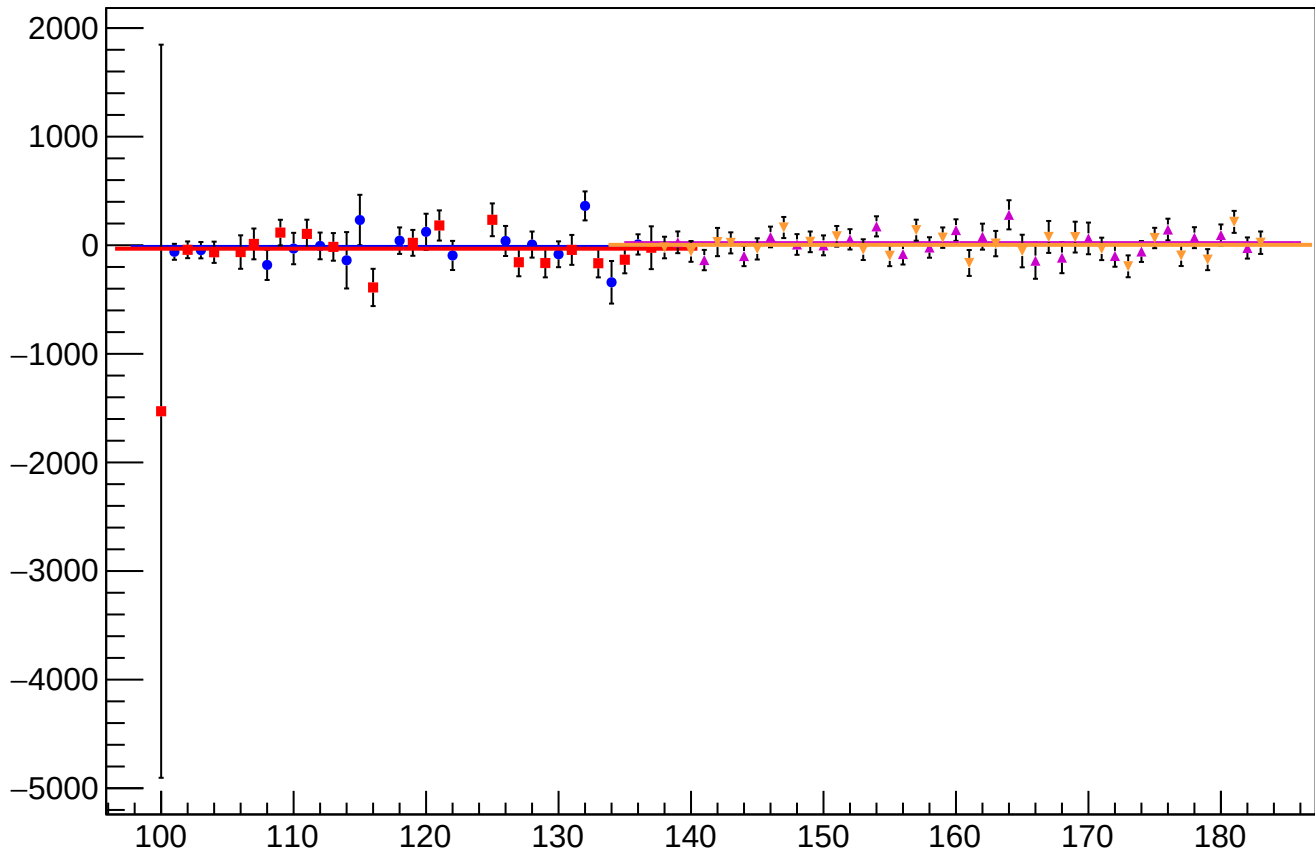
Left In: 943.804+/-0.161 χ^2/NDF : 46765.2/21

+ sign 986.114+/-0.141 χ^2/NDF : 1052926.3/39

All: 983.692+/-0.100 χ^2/NDF : 1709889.5/79

- sign 981.246+/-0.142 χ^2/NDF : 656373.9/39

reg_asym_ds_avg_mean vs Slug



Right In: -15.551 ± 30.032 χ^2/NDF : 15.9/15

Left Out: 3.750 ± 21.122 χ^2/NDF : 22.4/23

Right Out: -31.754 ± 30.492 χ^2/NDF : 16.8/17

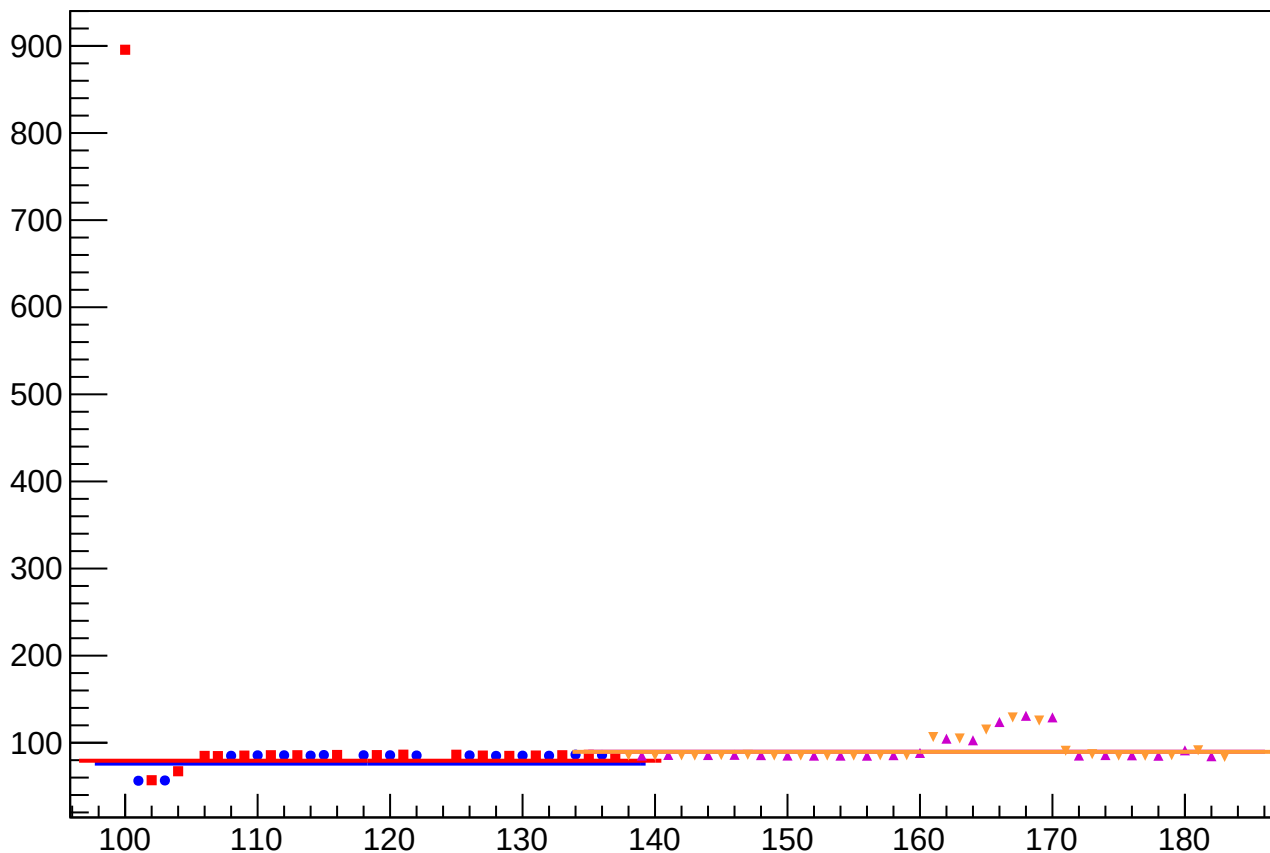
Left In: 19.393 ± 21.791 χ^2/NDF : 21.1/21

+ sign -2.638 ± 17.277 χ^2/NDF : 38.6/39

All: -0.329 ± 12.373 χ^2/NDF : 78.4/79

- sign 2.102 ± 17.729 χ^2/NDF : 39.8/39

reg_asym_ds_avg_rms vs Slug



Right In: 76.053 $\pm$ 0.021 χ^2 /NDF: 408670.6/15

Left Out: 89.565 $\pm$ 0.015 χ^2 /NDF: 468362.3/23

Right Out: 79.371 $\pm$ 0.022 χ^2 /NDF: 378257.4/17

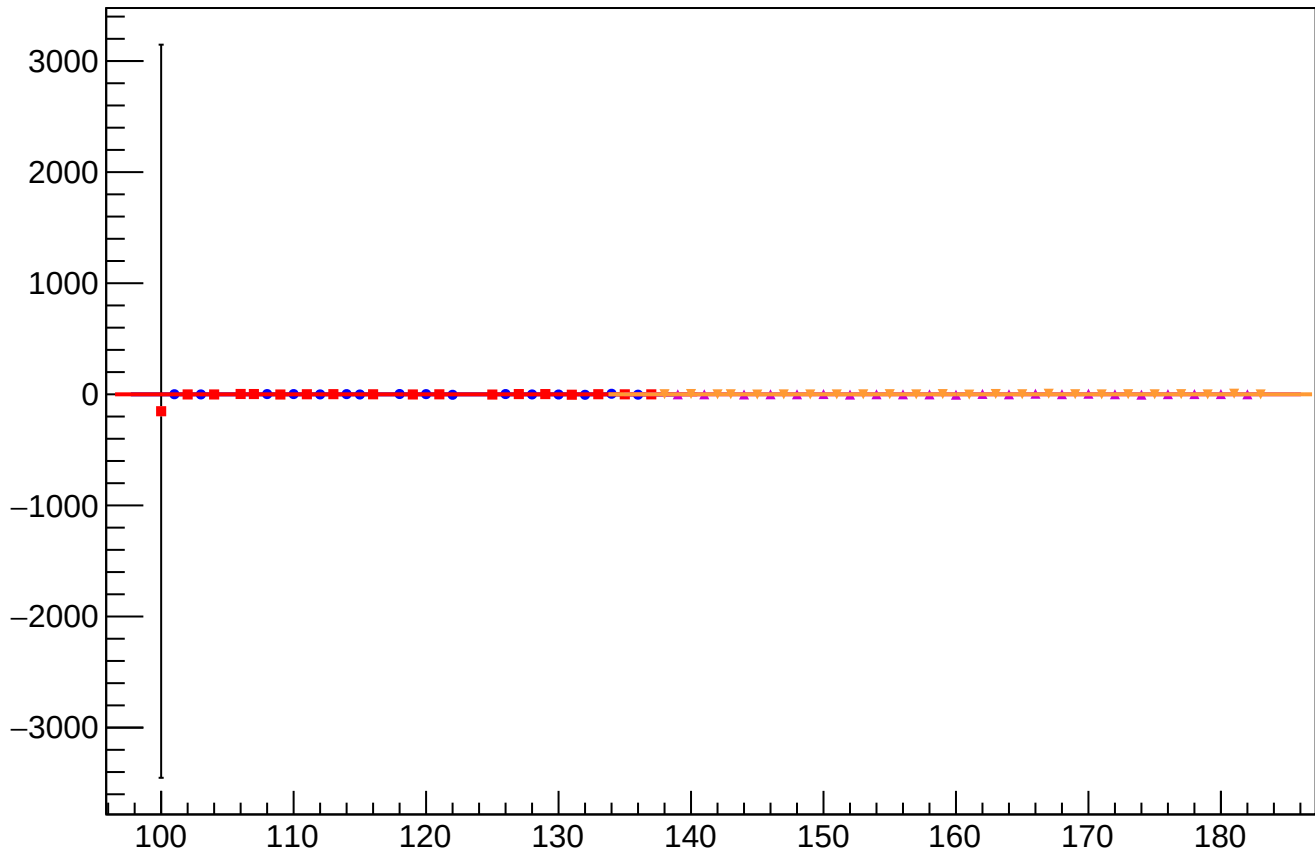
Left In: 89.703 $\pm$ 0.015 χ^2 /NDF: 505943.3/21

+ sign 85.094 $\pm$ 0.012 χ^2 /NDF: 1147900.6/39

All: 85.637 $\pm$ 0.009 χ^2 /NDF: 2188169.7/79

- sign 86.210 $\pm$ 0.013 χ^2 /NDF: 1036202.5/39

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 20.9/15

Left Out: 0.164 ± 0.369 χ^2/NDF : 20.8/23

Right Out: -0.038 ± 0.525 χ^2/NDF : 9.9/17

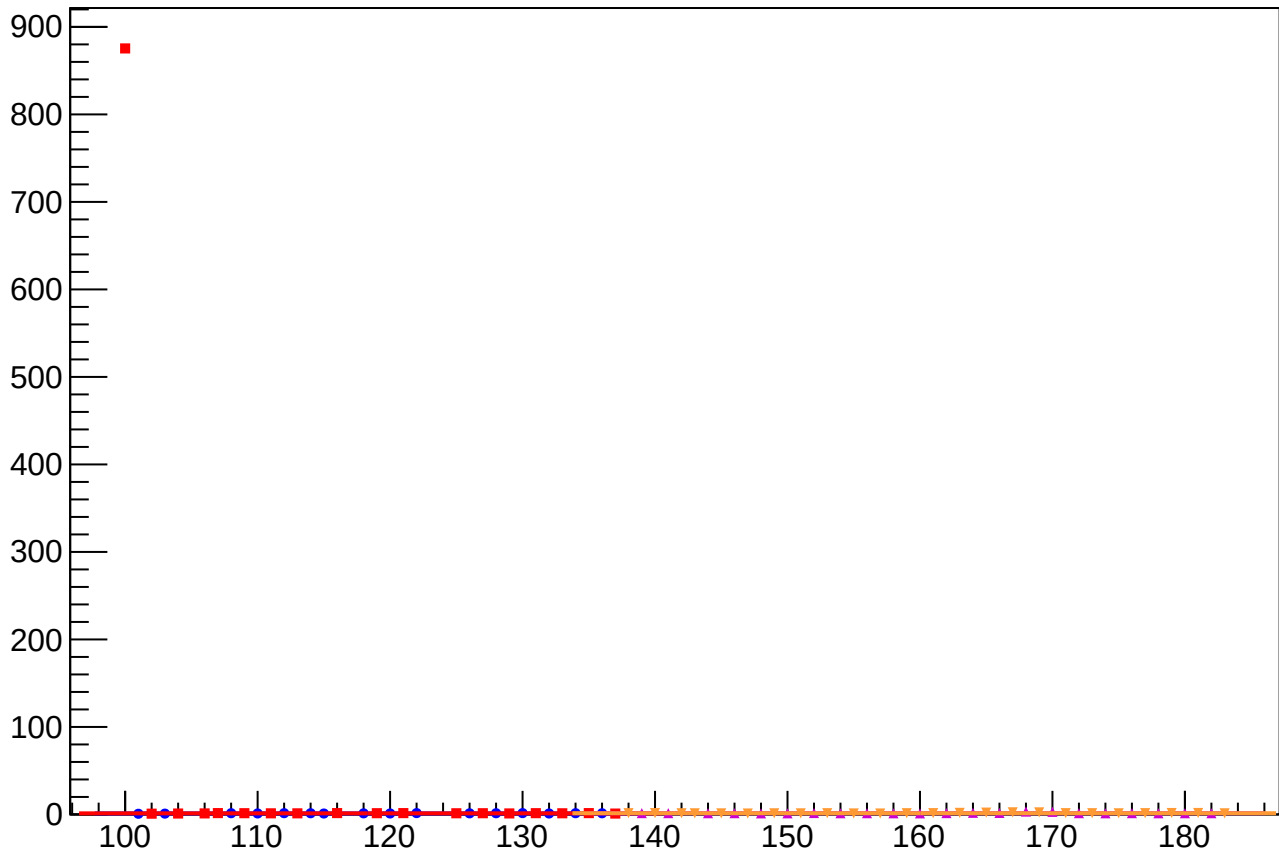
Left In: 0.532 ± 0.390 χ^2/NDF : 26.3/21

+ sign 0.004 ± 0.297 χ^2/NDF : 42.2/39

All: 0.158 ± 0.216 χ^2/NDF : 79.8/79

- sign 0.329 ± 0.313 χ^2/NDF : 37.0/39

asym_ds_avg_correction_rms vs Slug



Right In: 1.152 $\pm$ 0.000 χ^2 /NDF: 506239.7/15

Left Out: 1.403 $\pm$ 0.000 χ^2 /NDF: 989423.5/23

Right Out: 1.259 $\pm$ 0.000 χ^2 /NDF: 489381.1/17

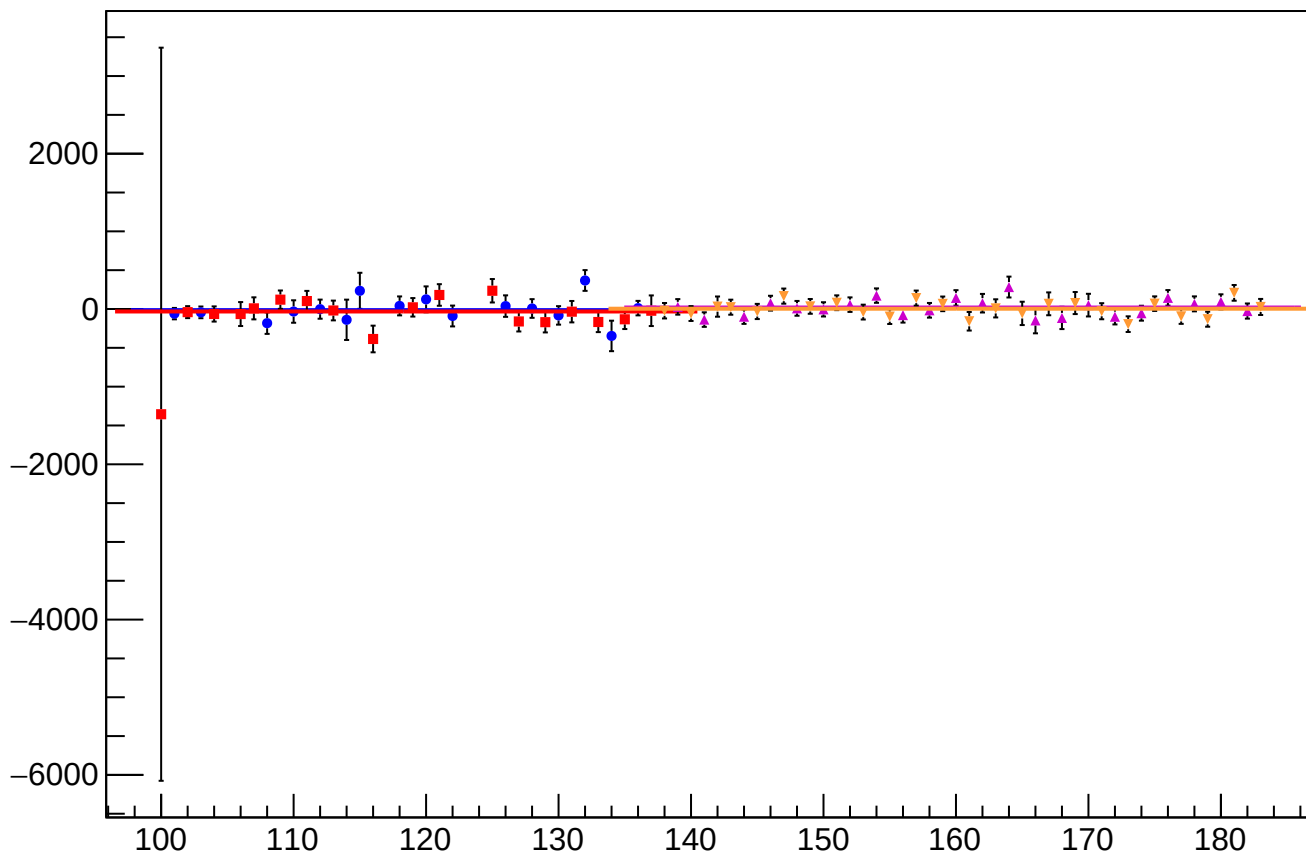
Left In: 1.452 $\pm$ 0.000 χ^2 /NDF: 995252.6/21

+ sign 1.315 $\pm$ 0.000 χ^2 /NDF: 1819008.1/39

All: 1.347 $\pm$ 0.000 χ^2 /NDF: 3529316.3/79

- sign 1.384 $\pm$ 0.000 χ^2 /NDF: 1659211.1/39

asym_ds_avg_mean vs Slug



Right In: -14.487 ± 30.040 χ^2/NDF : 16.2/15

Left Out: 3.601 ± 21.129 χ^2/NDF : 22.0/23

Right Out: -32.033 ± 30.500 χ^2/NDF : 16.8/17

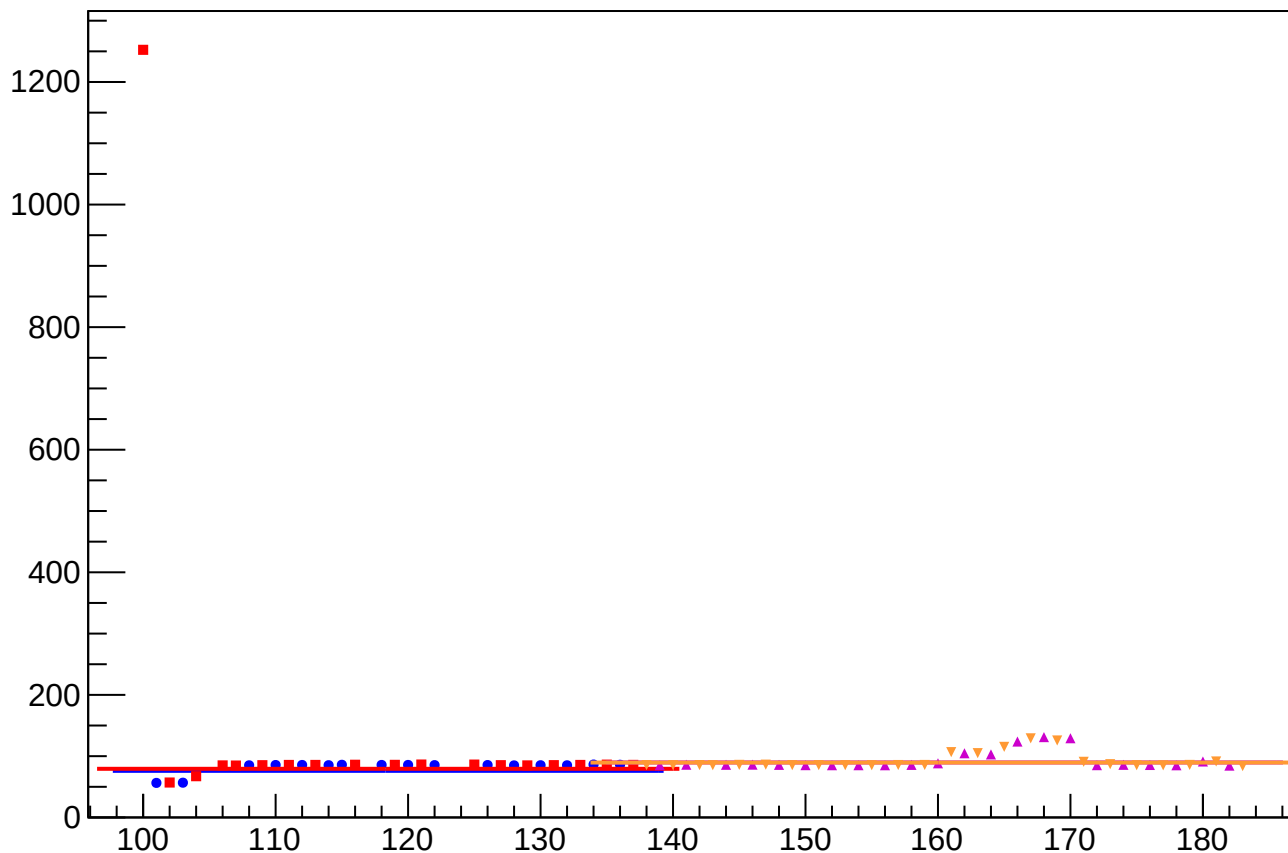
Left In: 18.936 ± 21.798 χ^2/NDF : 21.0/21

+ sign -2.386 ± 17.282 χ^2/NDF : 38.5/39

All: -0.394 ± 12.377 χ^2/NDF : 78.1/79

- sign 1.704 ± 17.734 χ^2/NDF : 39.6/39

asym_ds_avg_rms vs Slug



Right In: 76.073 $\pm$ 0.021 χ^2 /NDF: 408699.5/15

Left Out: 89.592 $\pm$ 0.015 χ^2 /NDF: 469115.9/23

Right Out: 79.374 $\pm$ 0.022 χ^2 /NDF: 384780.1/17

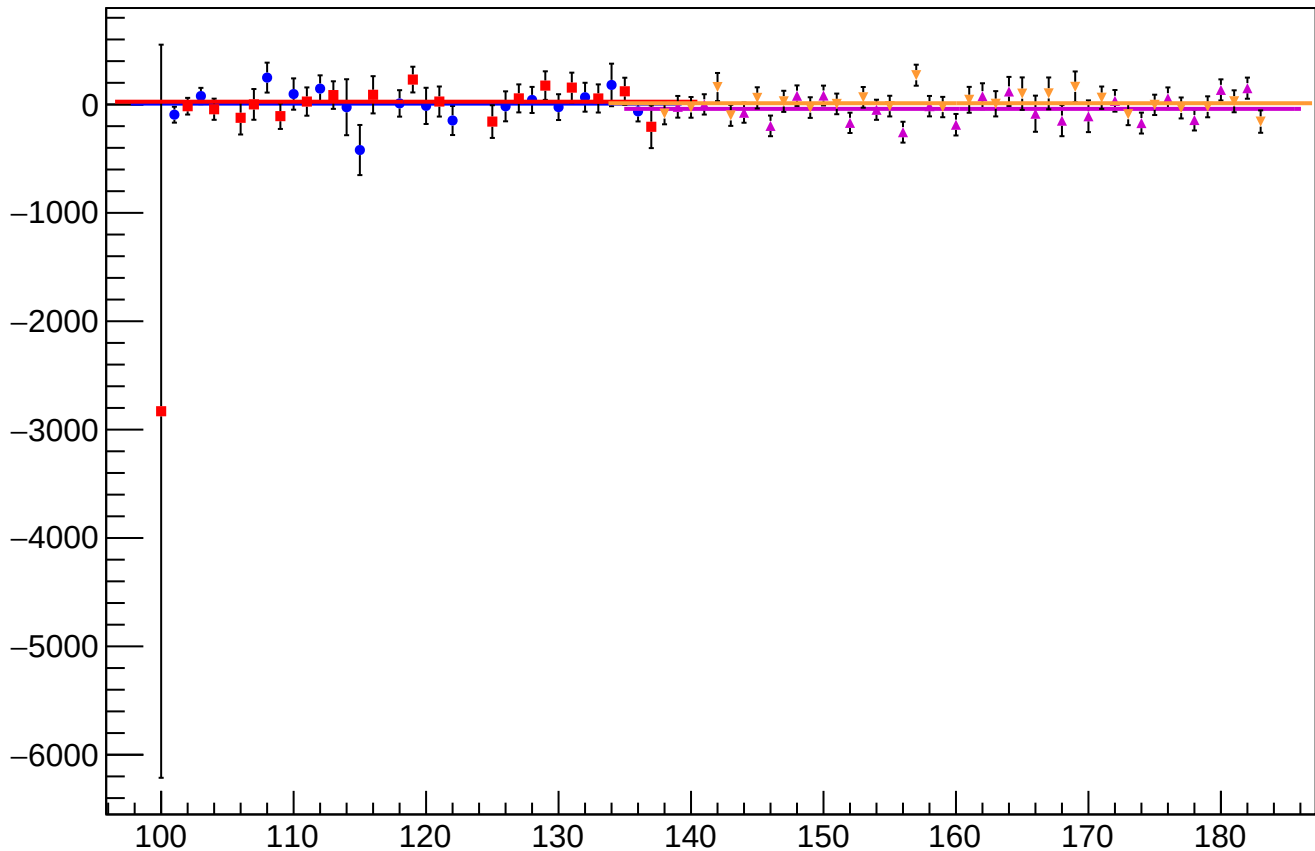
Left In: 89.729 $\pm$ 0.015 χ^2 /NDF: 506824.3/21

+ sign 85.118 $\pm$ 0.012 χ^2 /NDF: 1148799.9/39

All: 85.659 $\pm$ 0.009 χ^2 /NDF: 2197029.4/79

- sign 86.228 $\pm$ 0.013 χ^2 /NDF: 1044203.8/39

reg_asym_ds_dd_mean vs Slug



Right In: 8.113 ± 30.012 χ^2/NDF : 14.0/15

Left Out: 11.610 ± 21.127 χ^2/NDF : 18.1/23

Right Out: 25.774 ± 30.473 χ^2/NDF : 12.8/17

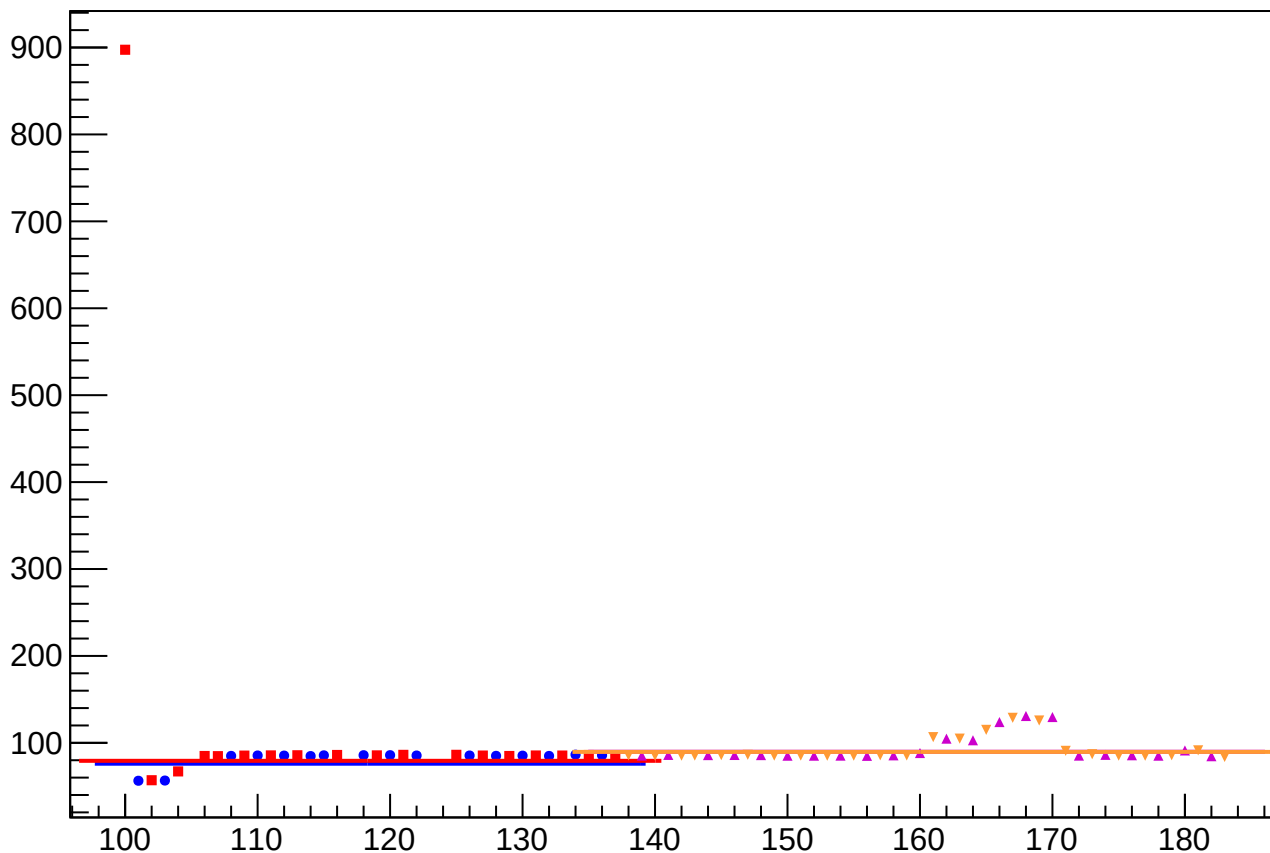
Left In: -40.464 ± 21.800 χ^2/NDF : 30.5/21

+ sign 10.452 ± 17.276 χ^2/NDF : 32.1/39

All: -3.425 ± 12.373 χ^2/NDF : 79.8/79

- sign -18.040 ± 17.730 χ^2/NDF : 46.4/39

reg_asym_ds_dd_rms vs Slug



Right In: 76.004 $\pm$ 0.021 χ^2 /NDF: 408328.4/15

Left Out: 89.589 $\pm$ 0.015 χ^2 /NDF: 467046.1/23

Right Out: 79.322 $\pm$ 0.022 χ^2 /NDF: 378093.1/17

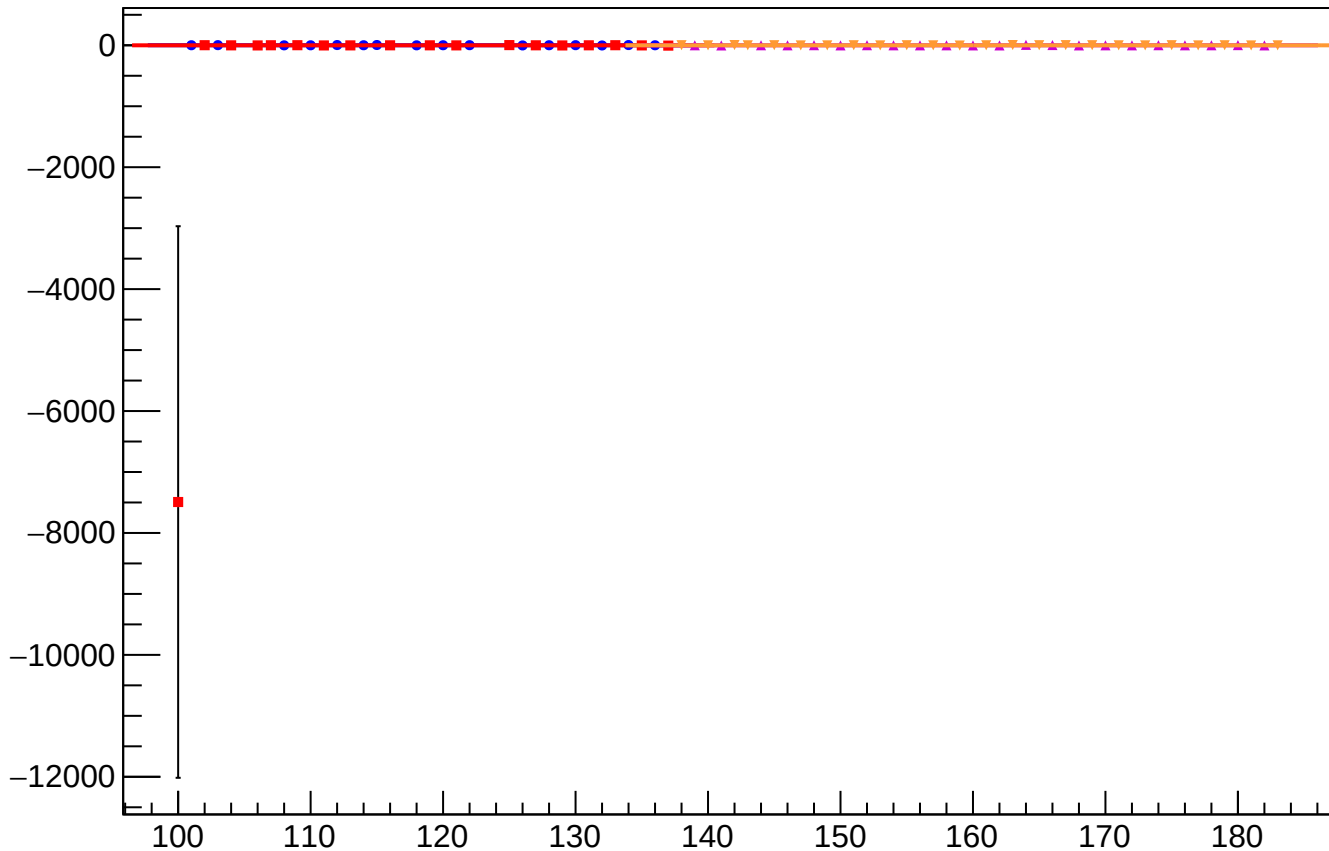
Left In: 89.736 $\pm$ 0.015 χ^2 /NDF: 508436.0/21

+ sign 85.087 $\pm$ 0.012 χ^2 /NDF: 1149364.4/39

All: 85.634 $\pm$ 0.009 χ^2 /NDF: 2194503.2/79

- sign 86.210 $\pm$ 0.013 χ^2 /NDF: 1041022.8/39

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 $\pm$ 0.531 χ^2/NDF : 11.9/15

Left Out: -0.475 $\pm$ 0.384 χ^2/NDF : 19.6/23

Right Out: -0.347 $\pm$ 0.549 χ^2/NDF : 13.4/17

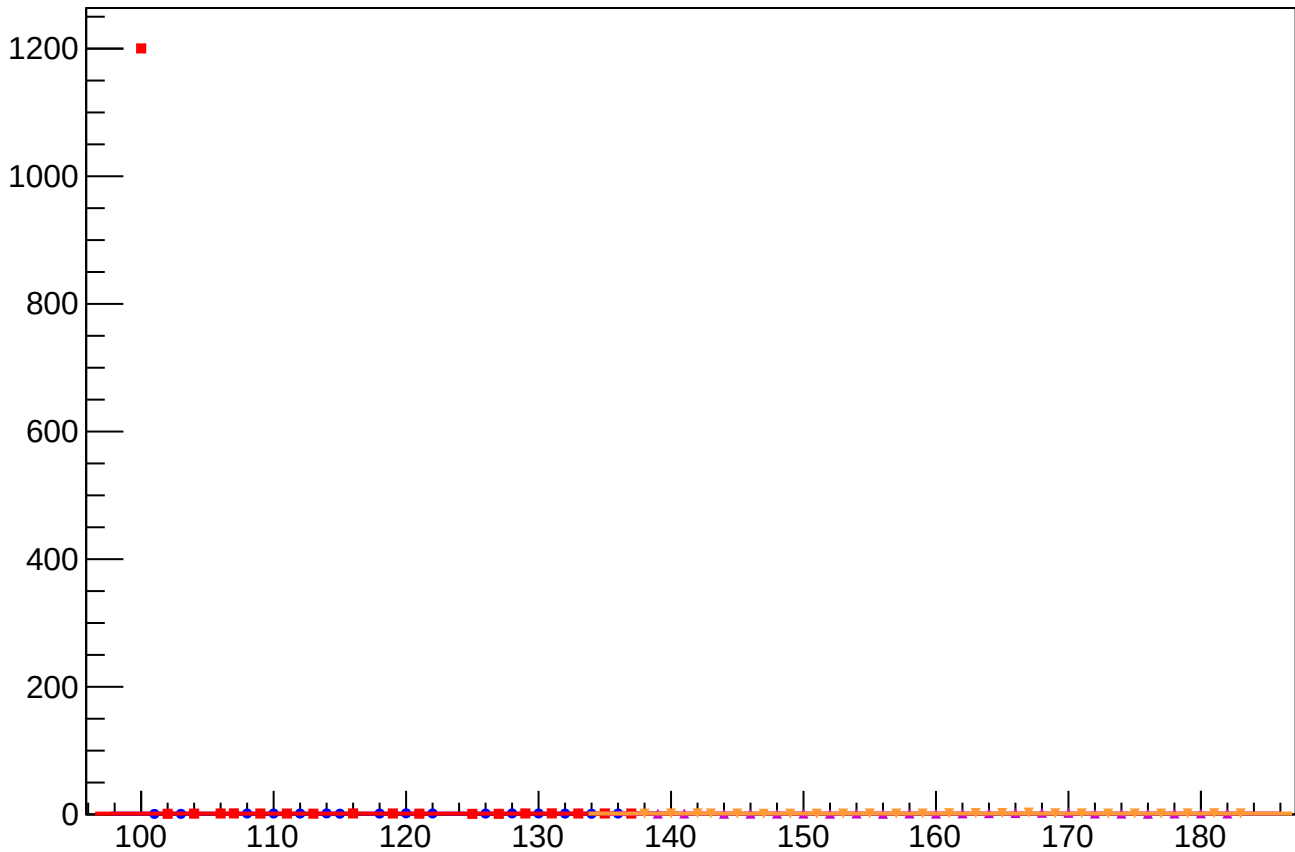
Left In: -0.004 $\pm$ 0.394 χ^2/NDF : 18.5/21

+ sign -0.005 $\pm$ 0.311 χ^2/NDF : 35.9/39

All: -0.061 $\pm$ 0.223 χ^2/NDF : 68.1/79

- sign -0.121 $\pm$ 0.320 χ^2/NDF : 32.2/39

asym_ds_dd_correction_rms vs Slug



Right In: 1.233+/-0.000 χ^2/NDF : 625758.9/15

Left Out: 1.470+/-0.000 χ^2/NDF : 1148949.1/23

Right Out: 1.315+/-0.000 χ^2/NDF : 517133.0/17

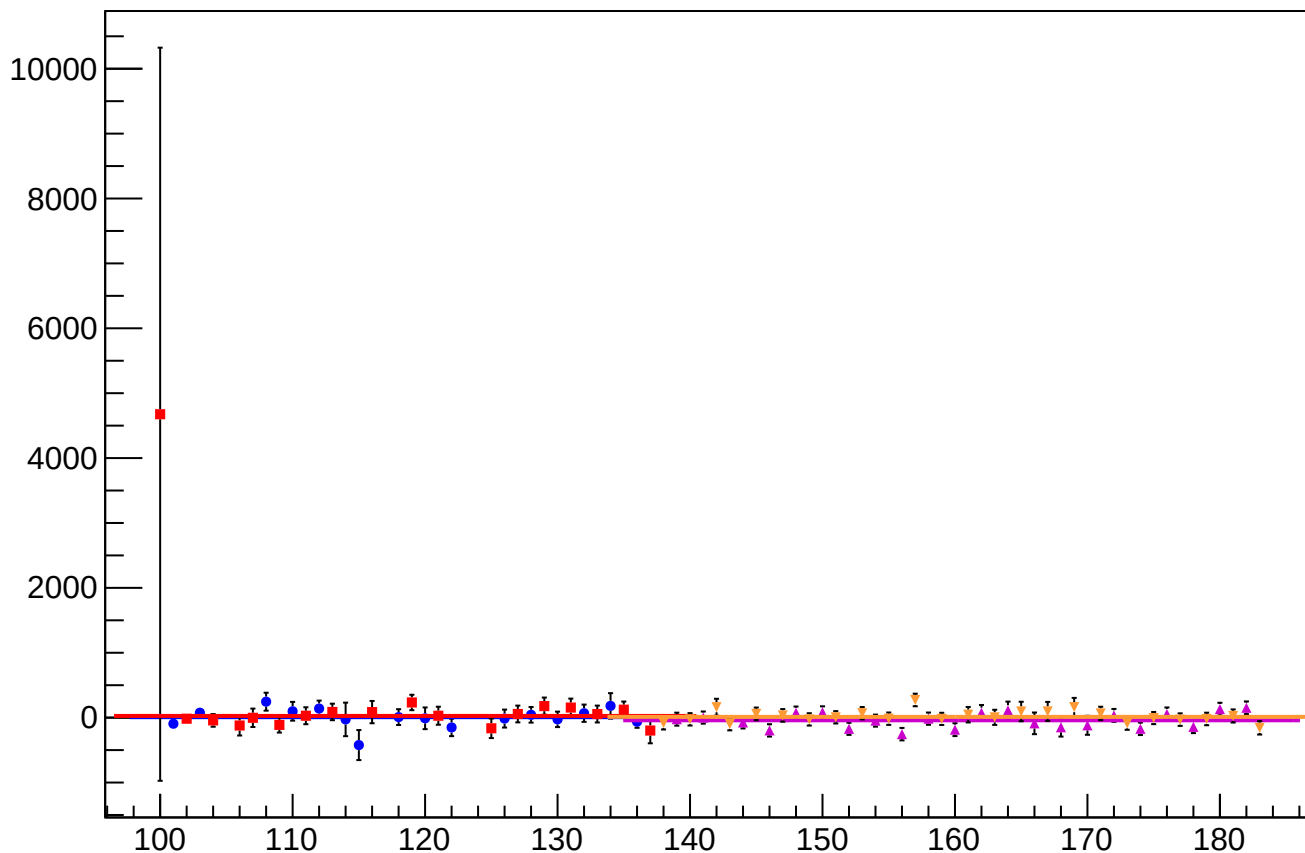
Left In: 1.463+/-0.000 χ^2/NDF : 1045886.3/21

+ sign 1.388+/-0.000 χ^2/NDF : 2035470.1/39

All: 1.400+/-0.000 χ^2/NDF : 3700042.9/79

- sign 1.413+/-0.000 χ^2/NDF : 1658666.6/39

asym_ds_dd_mean vs Slug



Right In: 7.406 ± 30.020 χ^2/NDF : 13.9/15

Left Out: 12.134 ± 21.134 χ^2/NDF : 18.0/23

Right Out: 26.384 ± 30.482 χ^2/NDF : 13.0/17

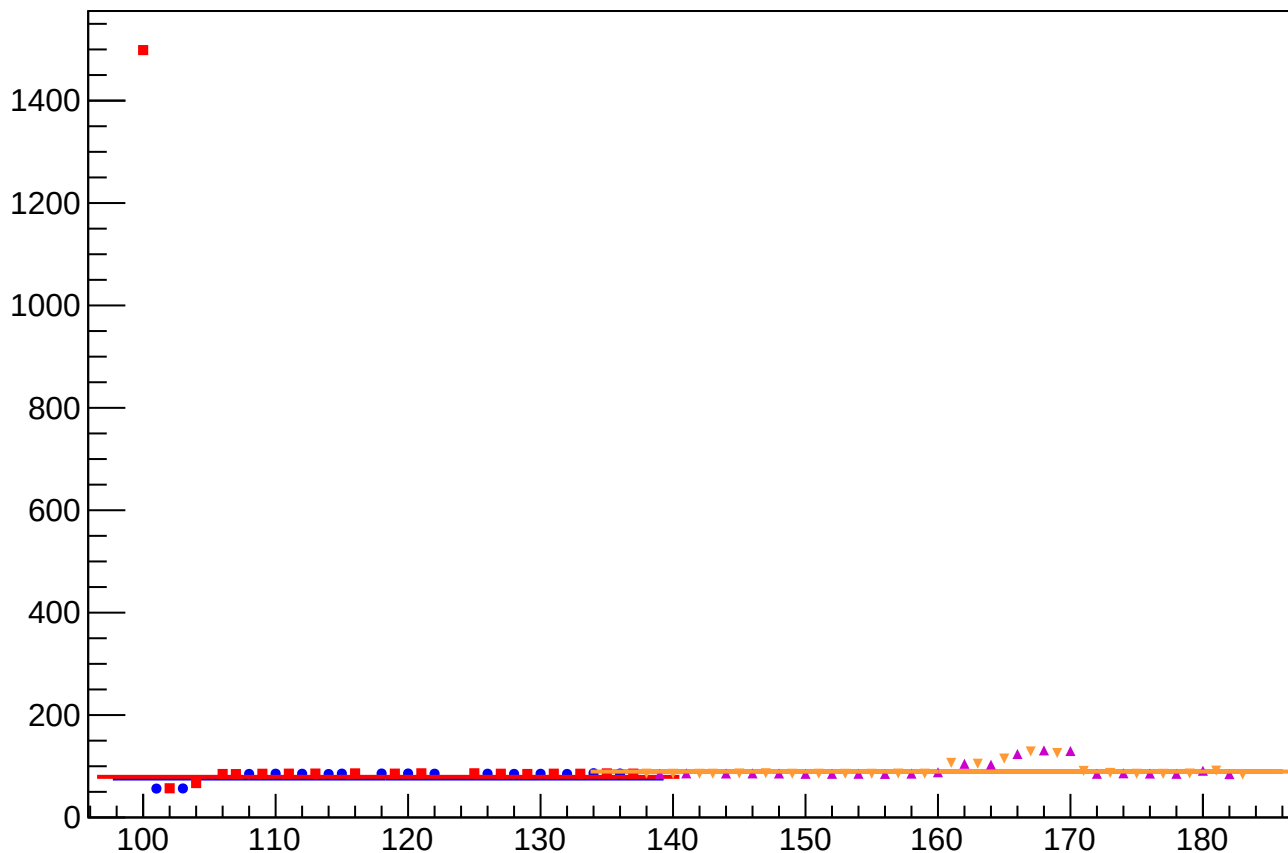
Left In: -40.907 ± 21.807 χ^2/NDF : 30.1/21

+ sign 10.567 ± 17.281 χ^2/NDF : 31.9/39

All: -3.407 ± 12.377 χ^2/NDF : 79.5/79

- sign -18.126 ± 17.736 χ^2/NDF : 46.3/39

asym_ds_dd_rms vs Slug



Right In: 76.025 $\pm$ 0.021 χ^2 /NDF: 408370.9/15

Left Out: 89.616 $\pm$ 0.015 χ^2 /NDF: 467802.5/23

Right Out: 79.319 $\pm$ 0.022 χ^2 /NDF: 387351.7/17

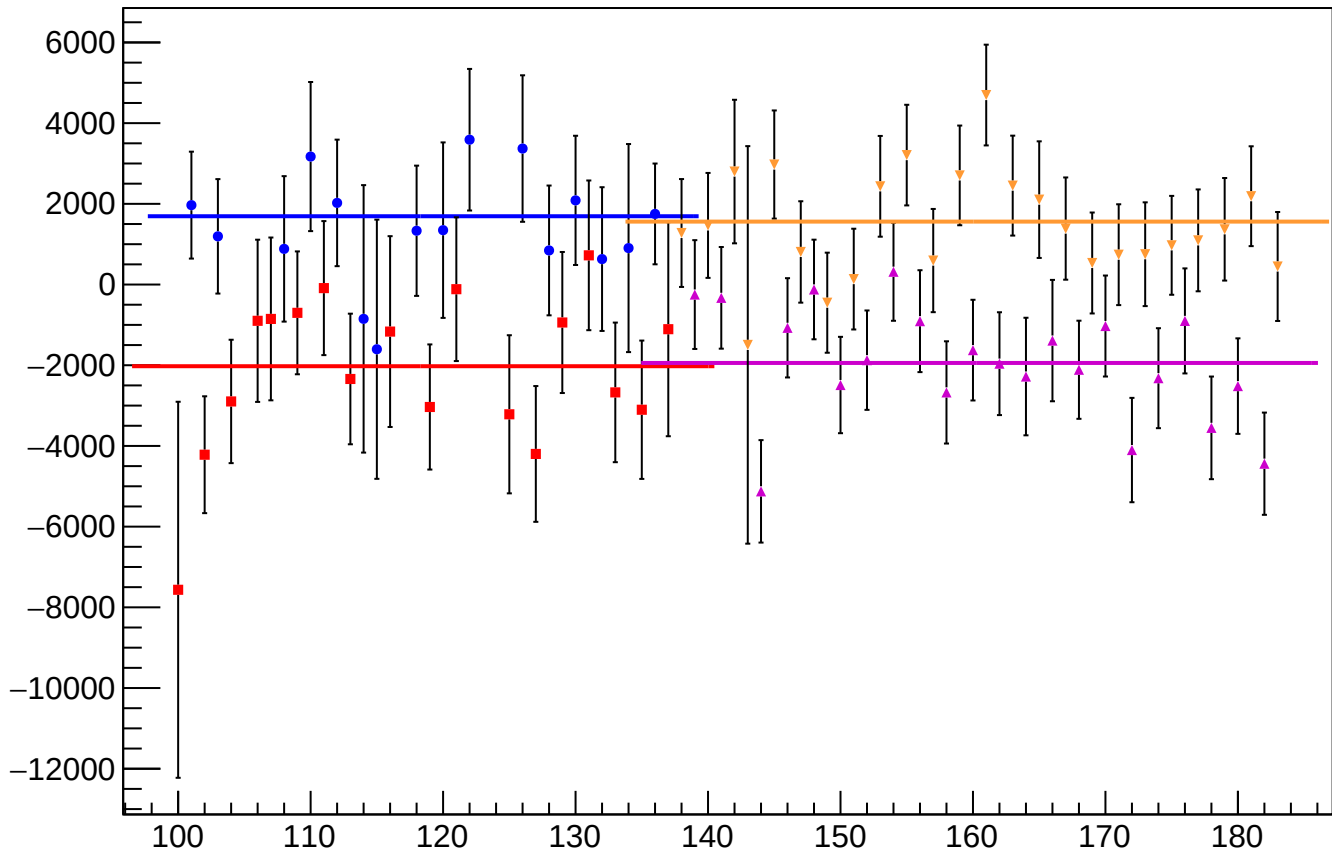
Left In: 89.763 $\pm$ 0.015 χ^2 /NDF: 509243.2/21

+ sign 85.112 $\pm$ 0.012 χ^2 /NDF: 1150280.0/39

All: 85.655 $\pm$ 0.009 χ^2 /NDF: 2206225.2/79

- sign 86.227 $\pm$ 0.013 χ^2 /NDF: 1051891.8/39

reg_asym_usl_mean vs Slug



Right In: 1692.799+/-431.563 χ^2/NDF : 5.6/15

Left Out: 1559.902+/-267.881 χ^2/NDF : 19.8/23

Right Out: -2024.185+/-423.428 χ^2/NDF : 13.8/17

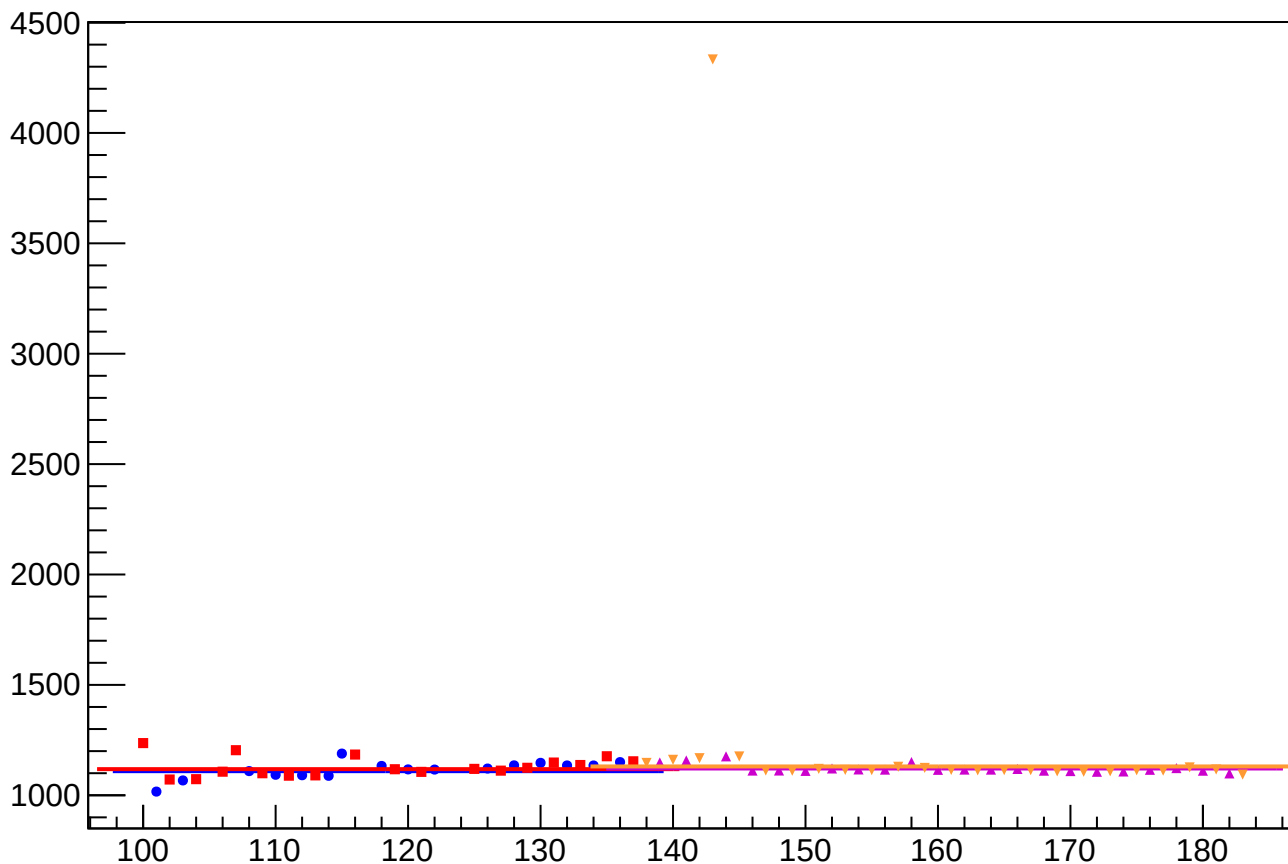
Left In: -1943.292+/-270.302 χ^2/NDF : 26.9/21

+ sign 1596.865+/-227.599 χ^2/NDF : 25.5/39

All: -183.066+/-161.021 χ^2/NDF : 188.6/79

- sign -1966.712+/-227.836 χ^2/NDF : 40.7/39

reg_asym_usl_rms vs Slug



Right In: 1109.203+/-0.305 χ^2/NDF : 18241.7/15

Left Out: 1130.565+/-0.189 χ^2/NDF : 857433.6/23

Right Out: 1118.351+/-0.299 χ^2/NDF : 15519.6/17

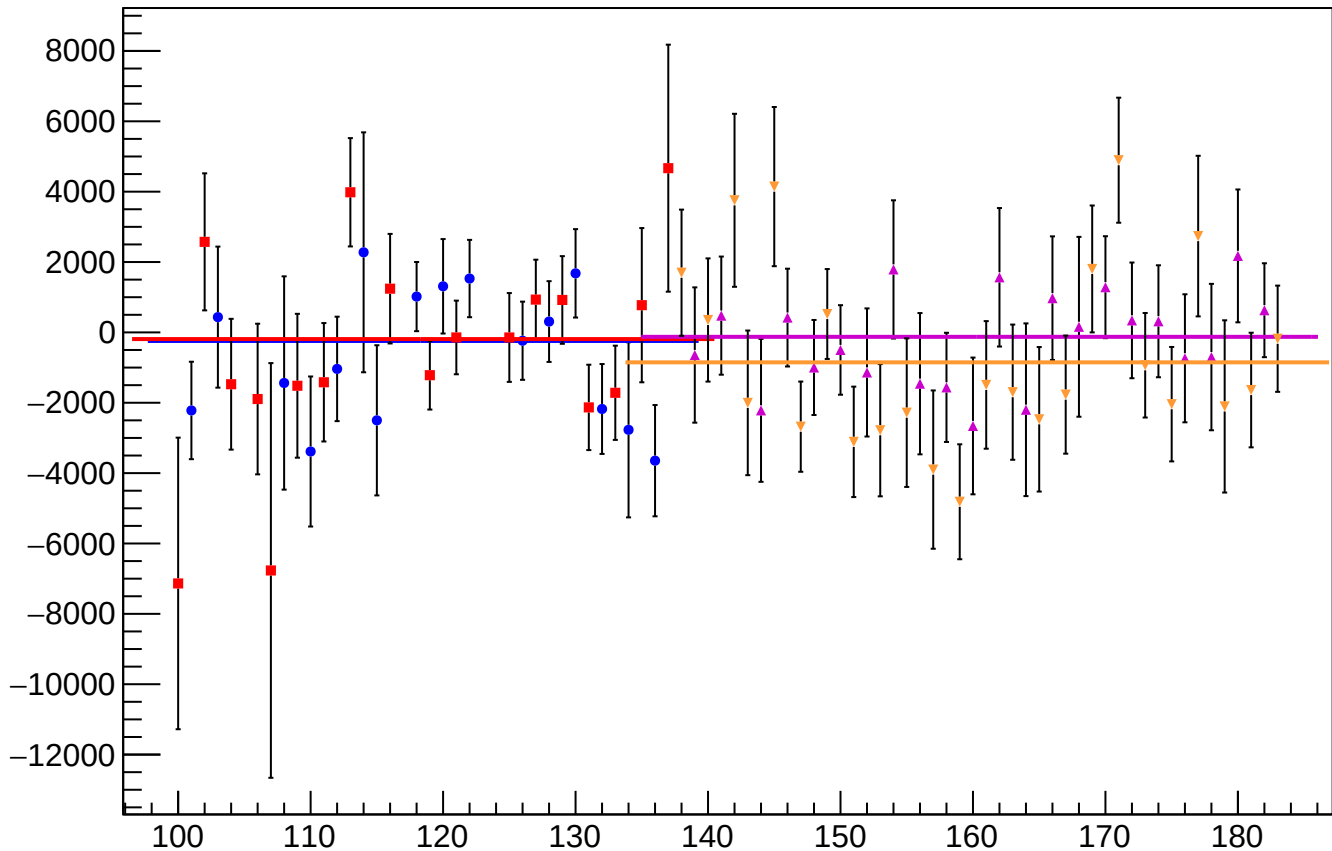
Left In: 1121.312+/-0.191 χ^2/NDF : 9474.5/21

+ sign 1124.624+/-0.161 χ^2/NDF : 879212.7/39

All: 1122.542+/-0.114 χ^2/NDF : 904611.4/79

- sign 1120.455+/-0.161 χ^2/NDF : 25063.6/39

asym_usl_correction_mean vs Slug



Right In: -242.985+/-361.487 χ^2/NDF : 22.5/15

Left Out: -851.264+/-359.502 χ^2/NDF : 43.2/23

Right Out: -189.815+/-357.555 χ^2/NDF : 25.2/17

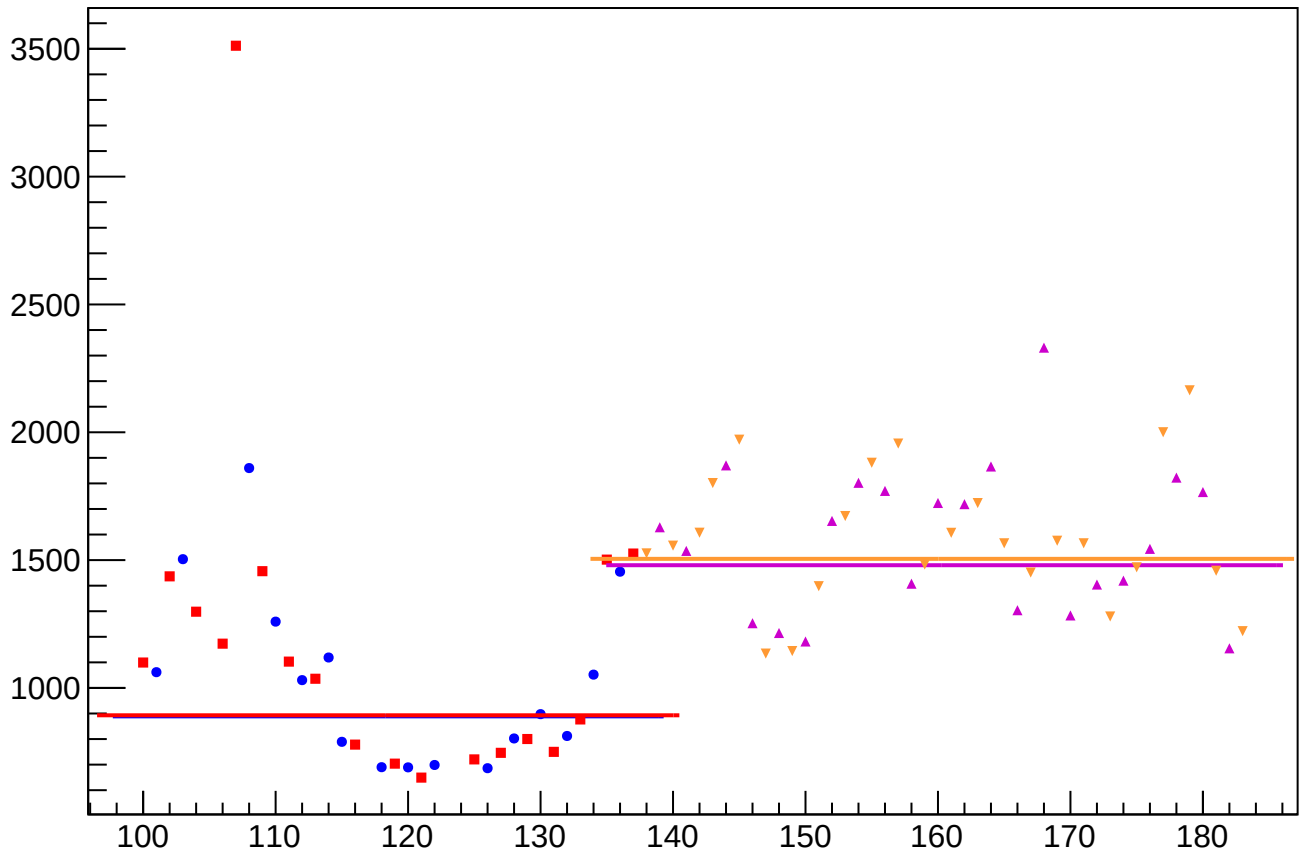
Left In: -126.031+/-363.761 χ^2/NDF : 11.1/21

+ sign -548.799+/-254.905 χ^2/NDF : 67.2/39

All: -353.705+/-180.277 χ^2/NDF : 104.7/79

- sign -158.472+/-254.995 χ^2/NDF : 36.3/39

asym_usl_correction_rms vs Slug



Right In: 888.808 $\pm$ 0.256 χ^2 /NDF: 1052628.4/15

Left Out: 1504.902 $\pm$ 0.254 χ^2 /NDF: 1027010.5/23

Right Out: 892.975 $\pm$ 0.253 χ^2 /NDF: 1409163.7/17

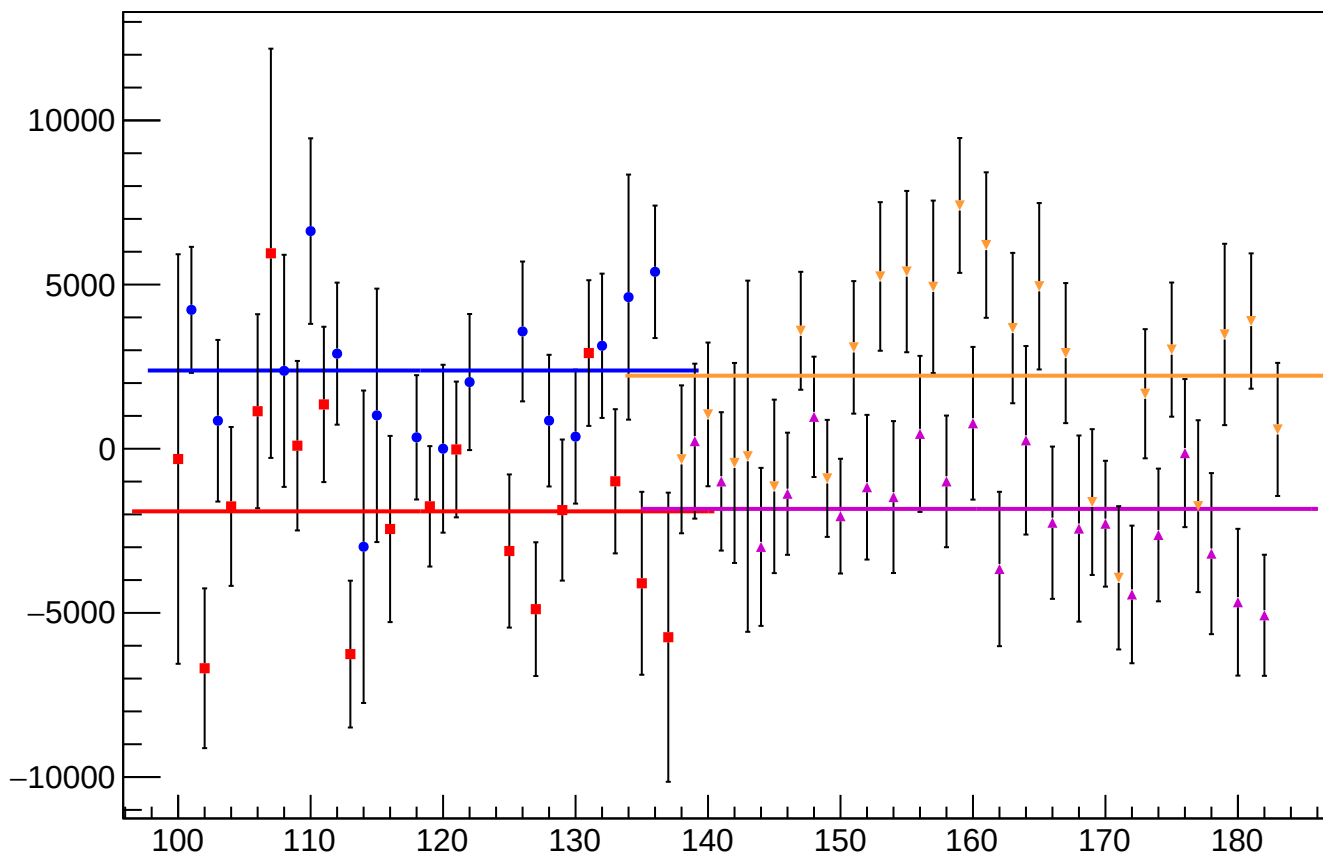
Left In: 1480.018 $\pm$ 0.257 χ^2 /NDF: 1063937.2/21

+ sign 1198.551 $\pm$ 0.180 χ^2 /NDF: 5000387.8/39

All: 1190.001 $\pm$ 0.127 χ^2 /NDF: 10127196.3/7

- sign 1181.446 $\pm$ 0.180 χ^2 /NDF: 5122307.2/39

asym_usl_mean vs Slug



Right In: 2382.736 $\pm$ 590.698 χ^2 /NDF: 11.6/15

Left Out: 2224.825 $\pm$ 459.243 χ^2 /NDF:38.8/23

Right Out: -1906.871 $\pm$ 584.955 χ^2 /NDF: 22.4/17

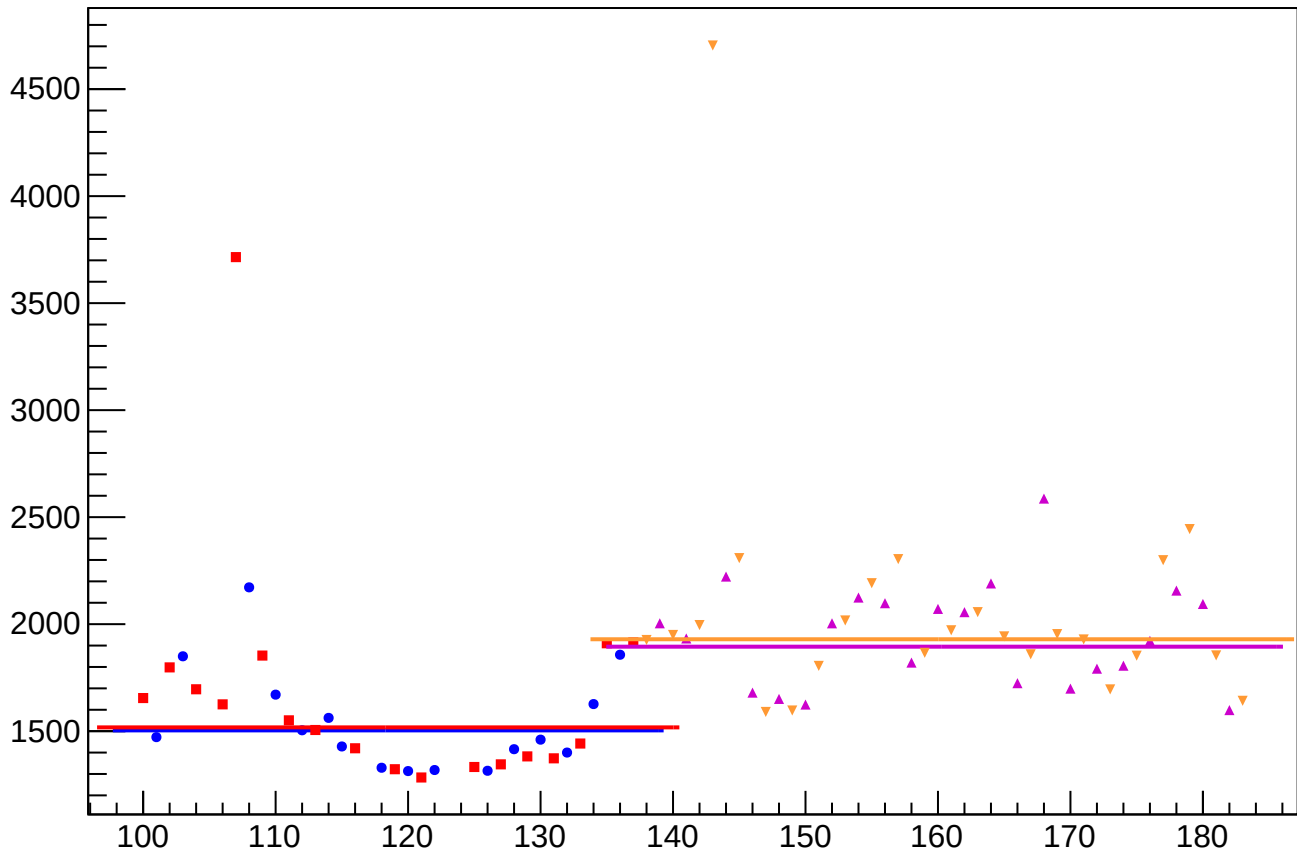
Left In: -1832.640 $\pm$ 460.799 χ^2 /NDF:14.6/21

+ sign 2284.315 $\pm$ 362.560 χ^2 /NDF: 50.5/39

All: 208.282 $\pm$ 256.162 χ^2 /NDF: 153.0/79

- sign -1861.065 $\pm$ 361.976 χ^2 /NDF: 37.0/39

asym_usl_rms vs Slug



Right In: 1503.676+/-0.418 χ^2/NDF : 252138.4/15

Left Out: 1929.471+/-0.325 χ^2/NDF : 990424.0/23

Right Out: 1517.693+/-0.414 χ^2/NDF : 476469.5/17

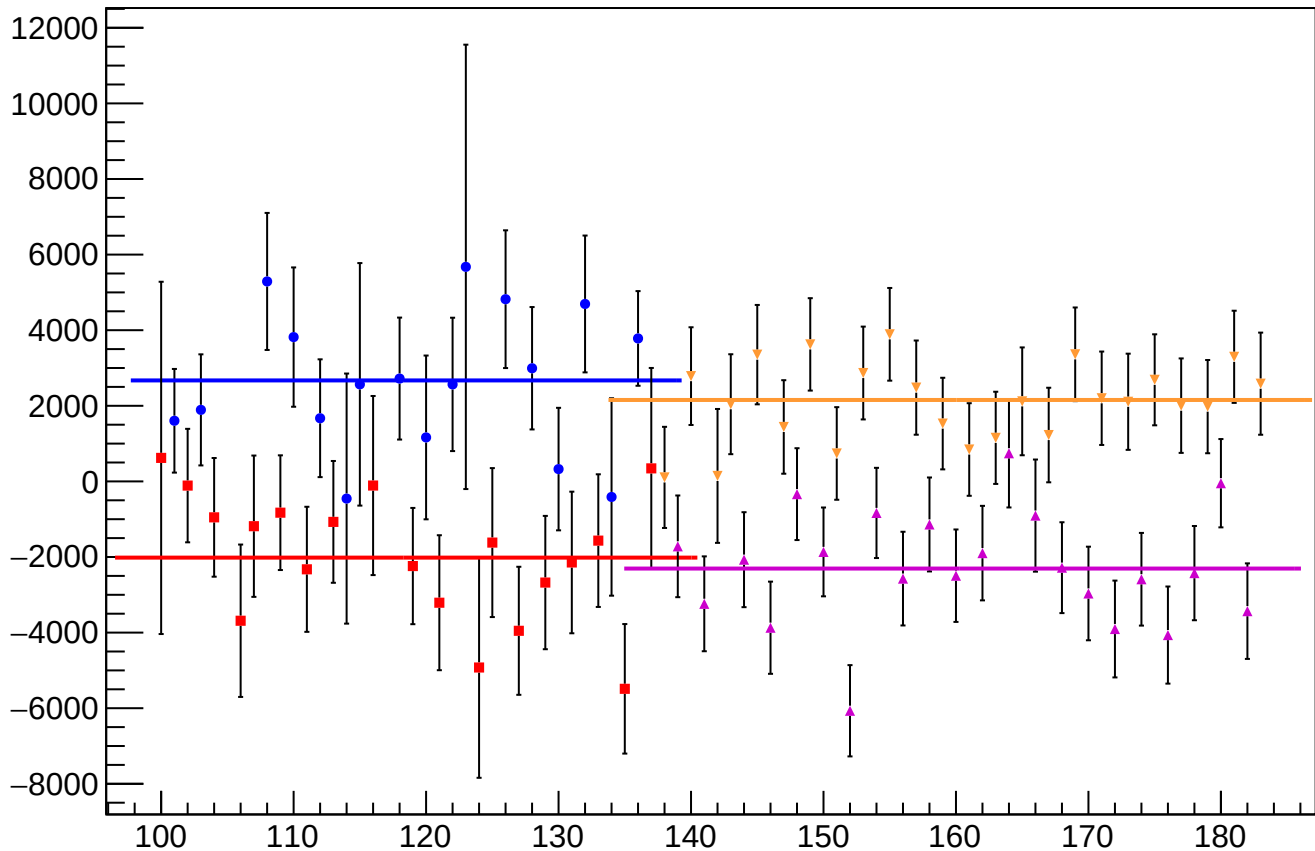
Left In: 1894.788+/-0.326 χ^2/NDF : 486379.1/21

+ sign 1769.061+/-0.256 χ^2/NDF : 1890265.3/39

All: 1759.710+/-0.181 χ^2/NDF : 3368659.7/79

- sign 1750.389+/-0.256 χ^2/NDF : 1475737.6/39

reg_asym_usr_mean vs Slug



Right In: 2671.295 $\pm$ 434.567 χ^2/NDF : 12.4/16

Left Out: 2154.232 $\pm$ 259.296 χ^2/NDF : 15.0/23

Right Out: -2016.229 $\pm$ 420.147 χ^2/NDF : 12.8/18

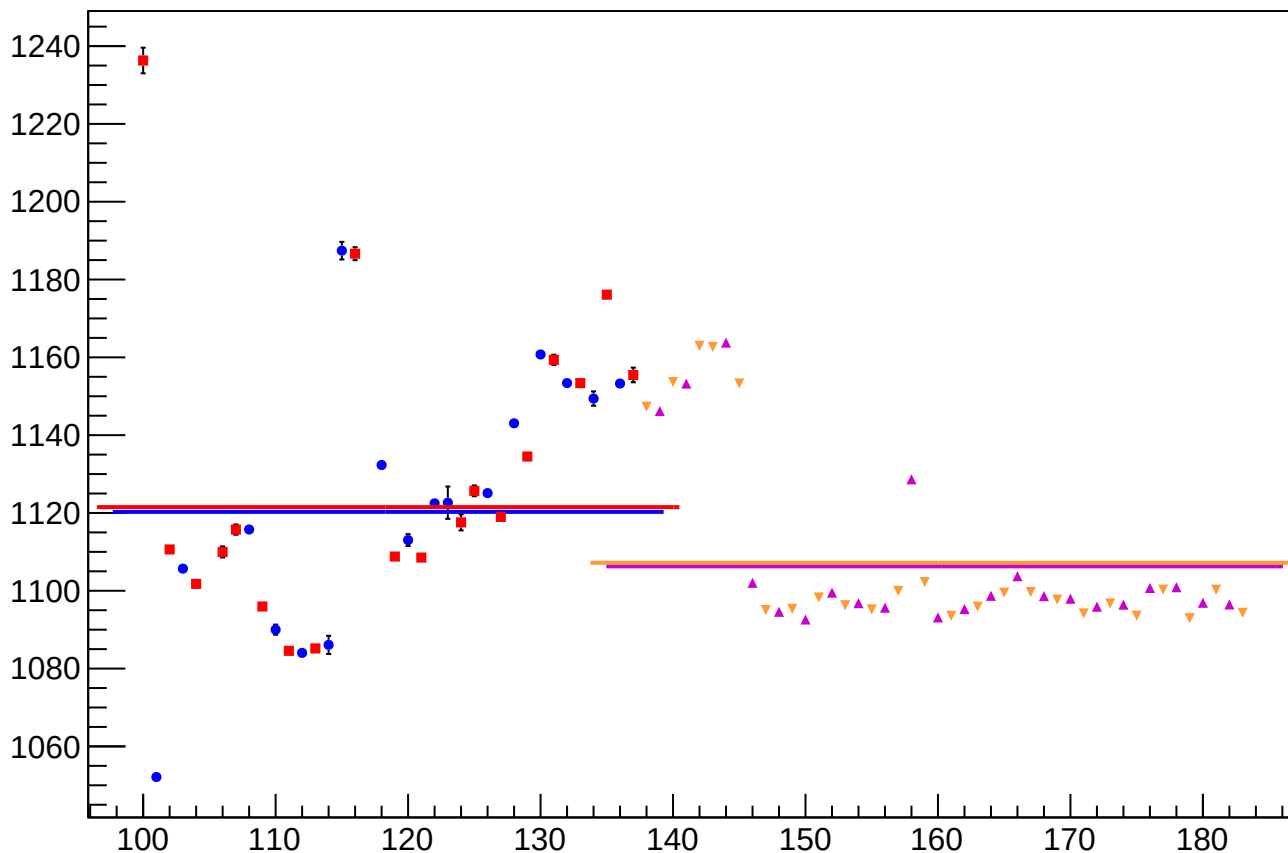
Left In: -2305.648 $\pm$ 266.685 χ^2/NDF : 31.2/21

+ sign 2289.987 $\pm$ 222.670 χ^2/NDF : 28.5/40

All: 58.786 $\pm$ 158.324 χ^2/NDF : 275.9/81

- sign -2222.530 $\pm$ 225.157 χ^2/NDF : 44.4/40

reg_asym_usr_rms vs Slug



Right In: 1120.277 $\pm$ 0.307 χ^2 /NDF: 11962.7/16

Left Out: 1107.198 $\pm$ 0.183 χ^2 /NDF:15132.4/23

Right Out: 1121.507 $\pm$ 0.297 χ^2 /NDF: 10014.9/18

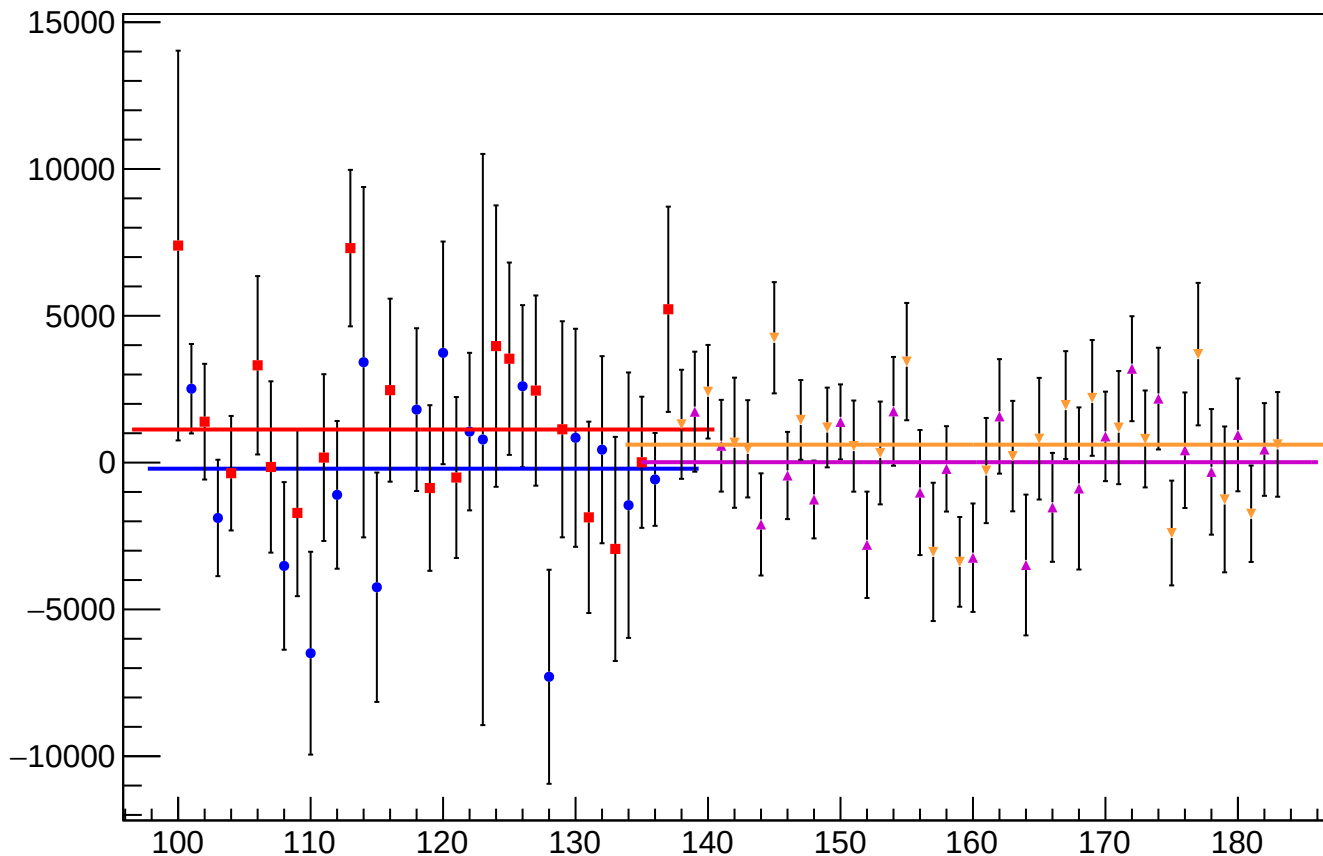
Left In: 1106.277 $\pm$ 0.189 χ^2 /NDF:11419.8/21

+ sign 1110.632 $\pm$ 0.157 χ^2 /NDF: 28431.3/40

All: 1110.641 $\pm$ 0.112 χ^2 /NDF: 51739.3/81

- sign 1110.651 $\pm$ 0.159 χ^2 /NDF: 23308.0/40

asym_usr_correction_mean vs Slug



Right In: -207.352 ± 656.632 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 610.718 ± 363.608 $\chi^2/\text{NDF}: 25.6/23$

Right Out: 1127.444 ± 663.569 $\chi^2/\text{NDF}: 14.4/18$

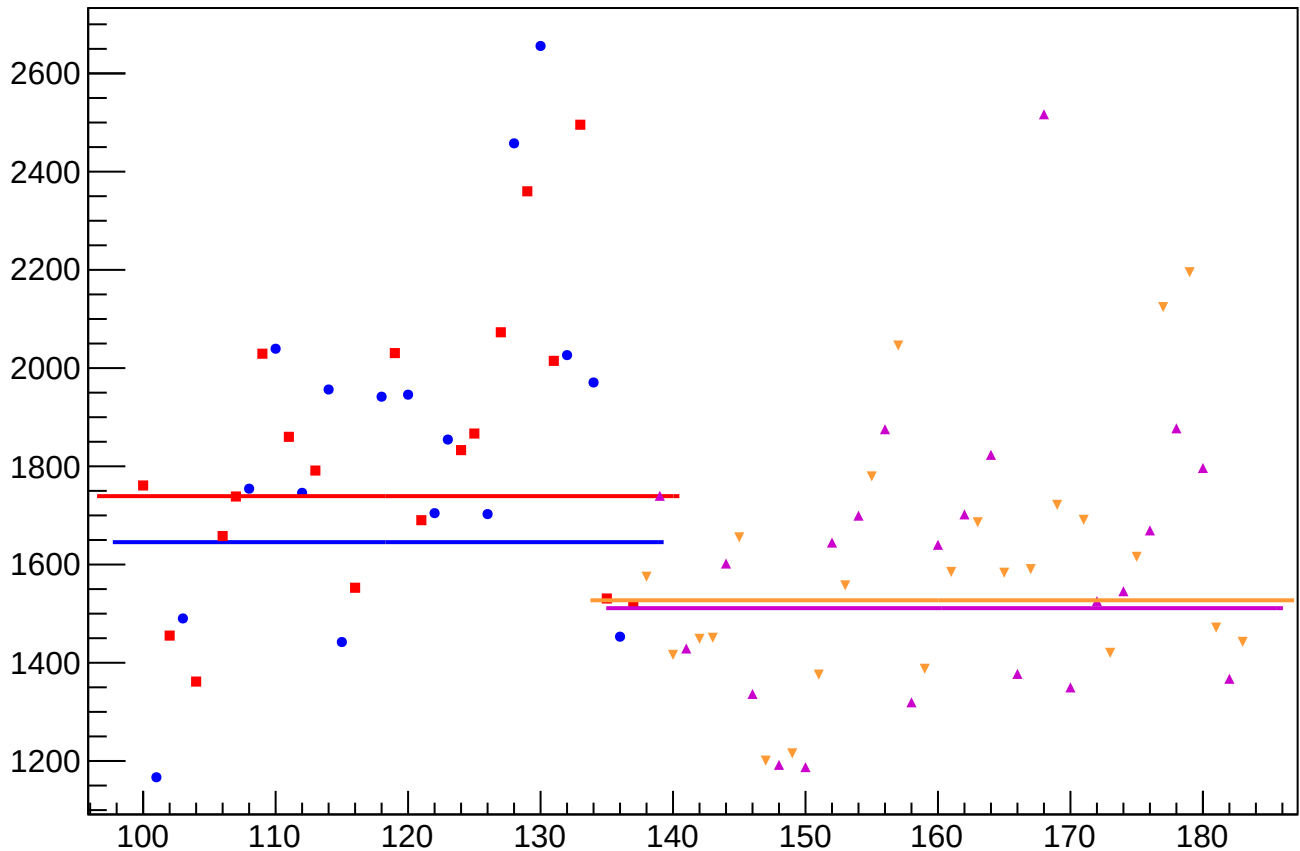
Left In: 13.902 ± 370.595 $\chi^2/\text{NDF}: 20.1/21$

+ sign 418.737 ± 318.094 $\chi^2/\text{NDF}: 43.8/40$

All: 349.885 ± 226.833 $\chi^2/\text{NDF}: 80.6/81$

- sign 278.648 ± 323.555 $\chi^2/\text{NDF}: 36.7/40$

asym_usr_correction_rms vs Slug



Right In: 1645.579+/-0.464 χ^2/NDF : 606697.8/16

Left Out: 1527.193+/-0.257 χ^2/NDF : 753058.9/23

Right Out: 1739.254+/-0.469 χ^2/NDF : 372578.2/18

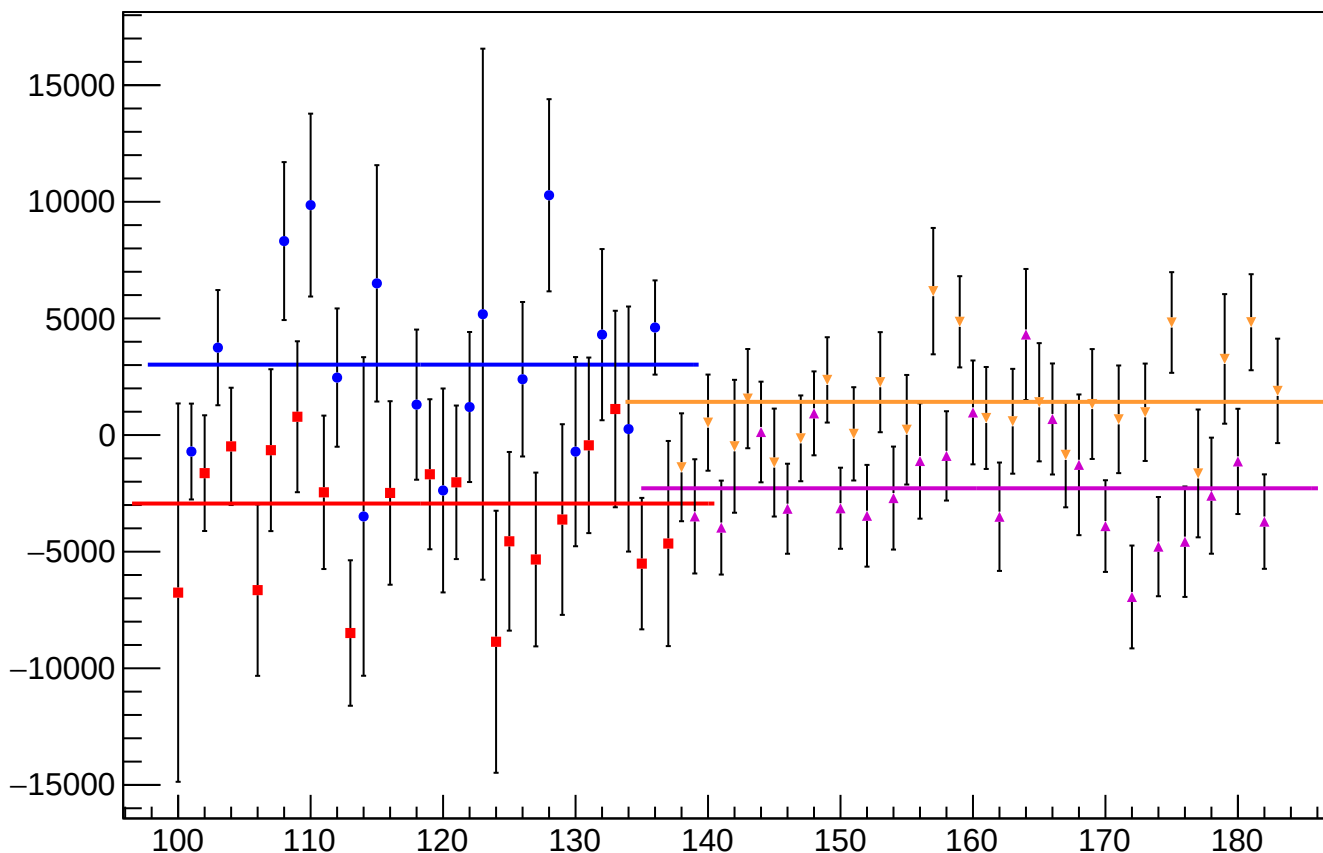
Left In: 1511.179+/-0.262 χ^2/NDF : 926790.4/21

+ sign 1554.975+/-0.225 χ^2/NDF : 1409511.1/40

All: 1560.101+/-0.160 χ^2/NDF : 2890034.9/83

- sign 1565.404+/-0.229 χ^2/NDF : 1479467.2/40

asym_usr_mean vs Slug



Right In: 3018.495 $\pm$ 804.013 χ^2 /NDF: 17.5/16

Left Out: 1423.150 $\pm$ 453.351 χ^2 /NDF: 19.8/23

Right Out: -2936.563 $\pm$ 797.151 χ^2 /NDF: 11.7/18

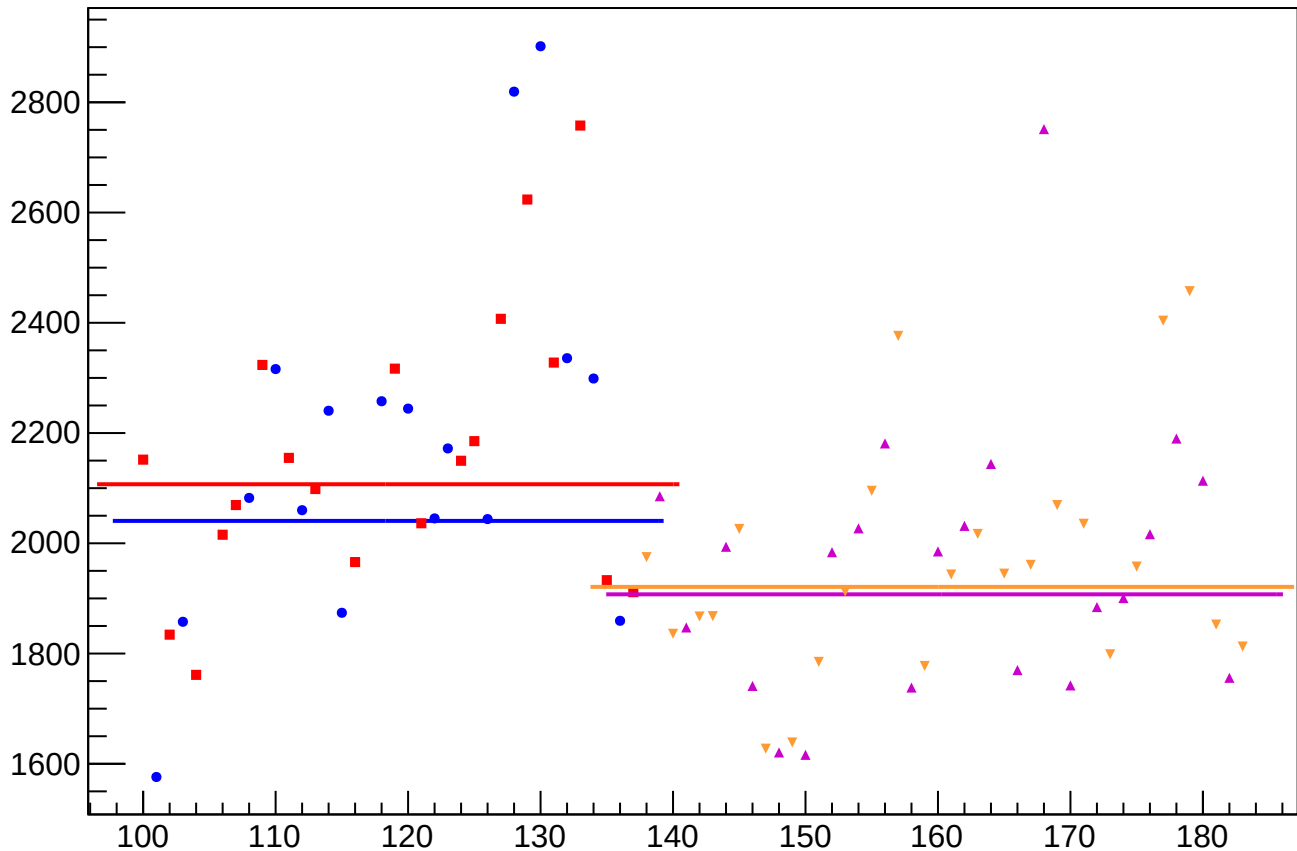
Left In: -2282.342 $\pm$ 463.546 χ^2 /NDF: 24.7/21

+ sign 1808.010 $\pm$ 394.900 χ^2 /NDF: 40.2/40

All: -288.697 $\pm$ 281.272 χ^2 /NDF: 134.4/81

- sign -2447.662 $\pm$ 400.720 χ^2 /NDF: 37.0/40

asym_usr_rms vs Slug



Right In: 2040.634+/-0.569 χ^2/NDF : 336565.5/16

Left Out: 1920.925+/-0.321 χ^2/NDF : 365281.7/23

Right Out: 2107.120+/-0.564 χ^2/NDF : 197006.9/18

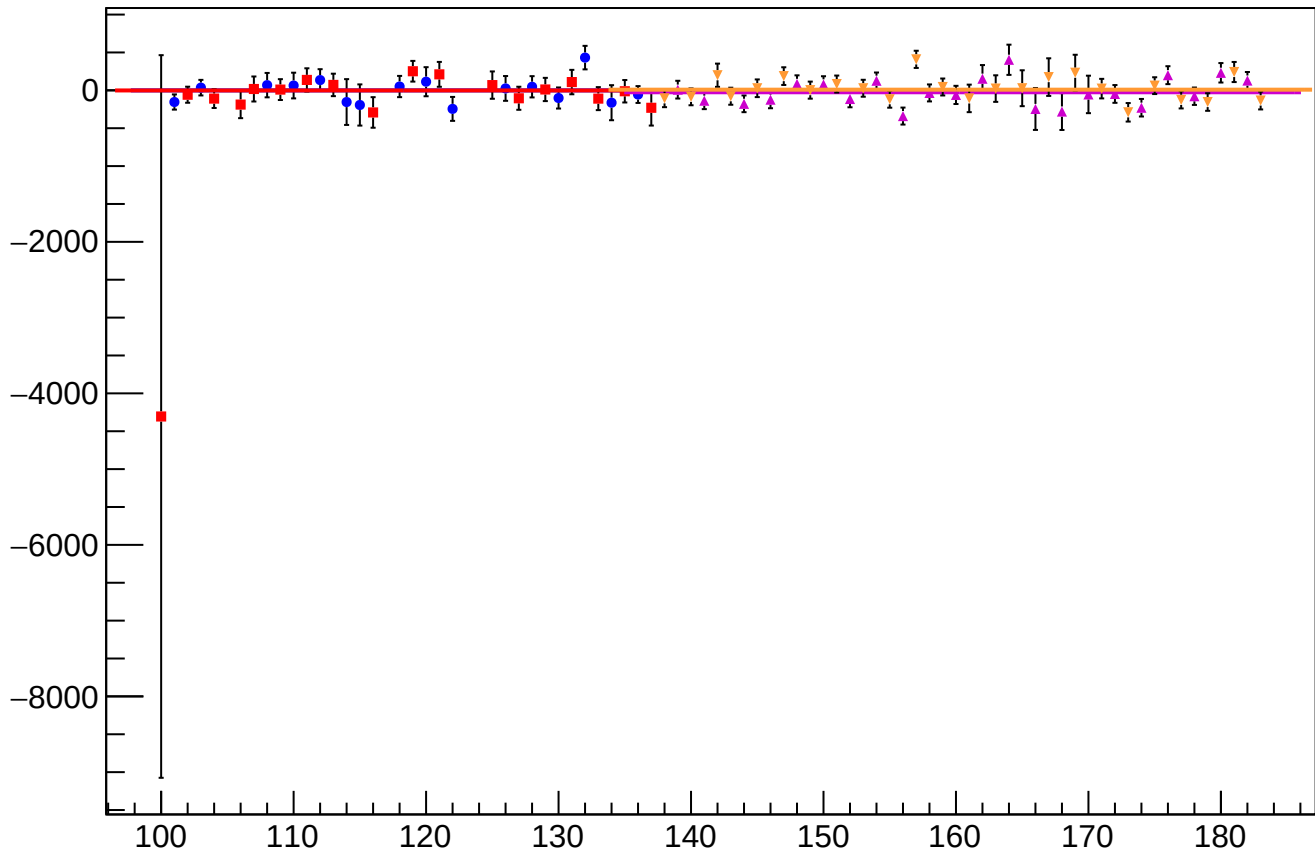
Left In: 1907.409+/-0.328 χ^2/NDF : 443632.3/21

+ sign 1949.804+/-0.279 χ^2/NDF : 735487.4/40

All: 1953.781+/-0.199 χ^2/NDF : 1470348.7/83

- sign 1957.875+/-0.283 χ^2/NDF : 734449.7/40

reg_asym_dsl_mean vs Slug



Right In: -0.770 ± 36.771 χ^2/NDF : 16.5/15

Left Out: 8.668 ± 25.799 χ^2/NDF : 36.4/23

Right Out: -1.460 ± 36.756 χ^2/NDF : 13.8/17

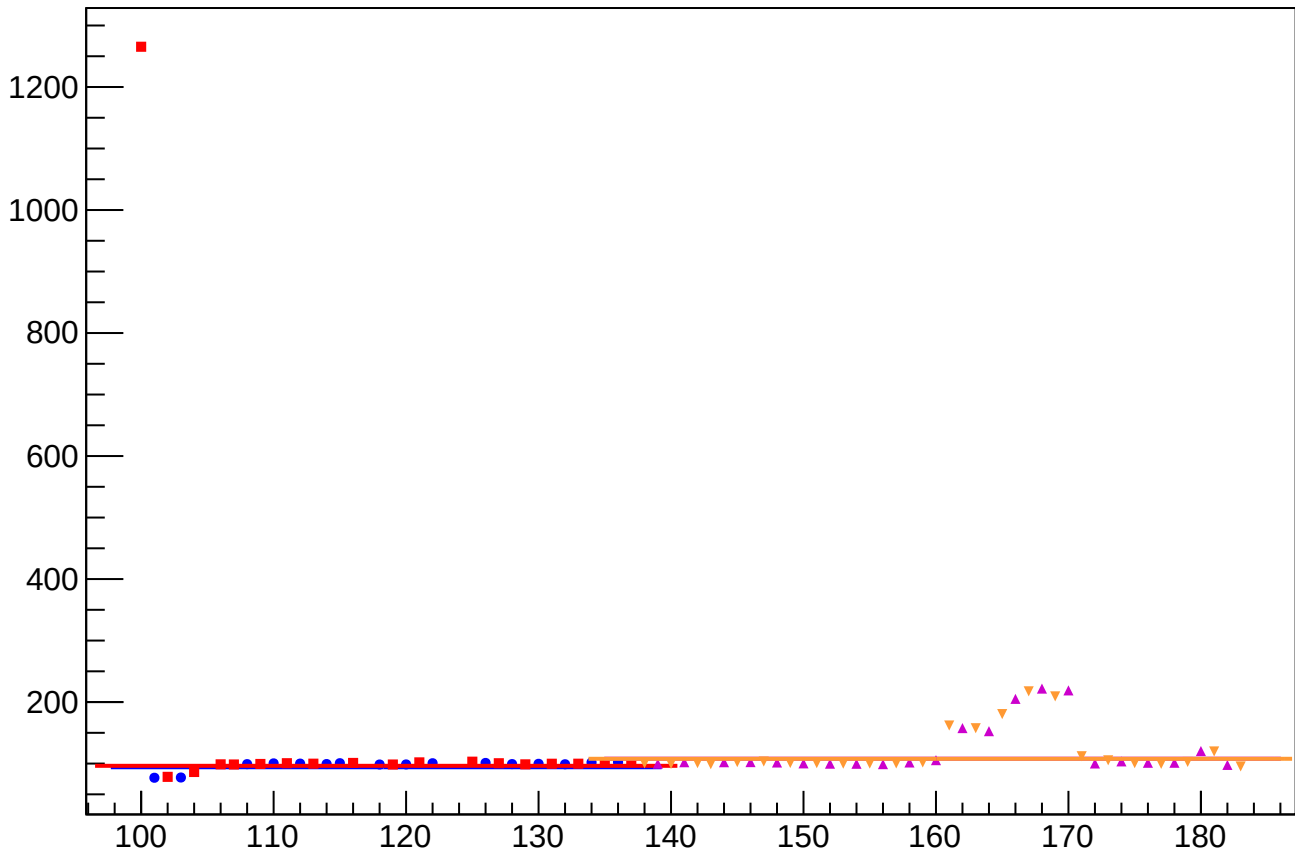
Left In: -25.455 ± 26.628 χ^2/NDF : 36.4/21

+ sign 5.555 ± 21.119 χ^2/NDF : 52.9/39

All: -5.584 ± 15.088 χ^2/NDF : 103.9/79

- sign -17.196 ± 21.564 χ^2/NDF : 50.4/39

reg_asym_dsl_rms vs Slug



Right In: 94.047 $\pm$ 0.026 χ^2 /NDF: 152068.3/15

Left Out: 107.789 $\pm$ 0.018 χ^2 /NDF:1440526.2/23

Right Out: 96.358 $\pm$ 0.026 χ^2 /NDF: 209109.4/17

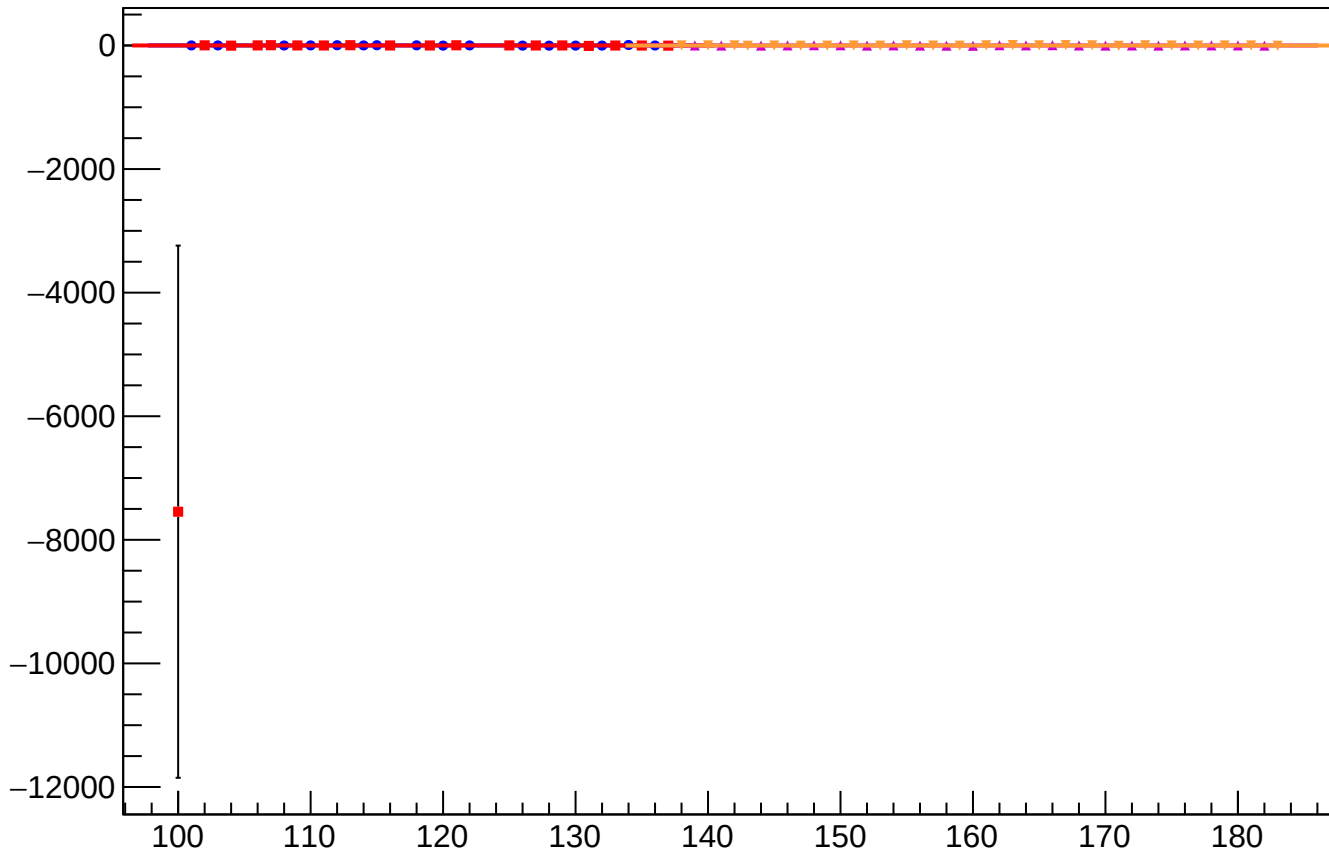
Left In: 107.912 $\pm$ 0.019 χ^2 /NDF:1483389.3/21

+ sign 103.256 $\pm$ 0.015 χ^2 /NDF: 1779779.5/39

All: 103.589 $\pm$ 0.011 χ^2 /NDF: 3602905.3/79

- sign 103.936 $\pm$ 0.015 χ^2 /NDF: 1822112.1/39

asym_dsl_correction_mean vs Slug



Right In: 0.390 ± 0.617 χ^2/NDF : 10.4/15

Left Out: -0.795 ± 0.462 χ^2/NDF : 33.8/23

Right Out: 0.344 ± 0.644 χ^2/NDF : 21.0/17

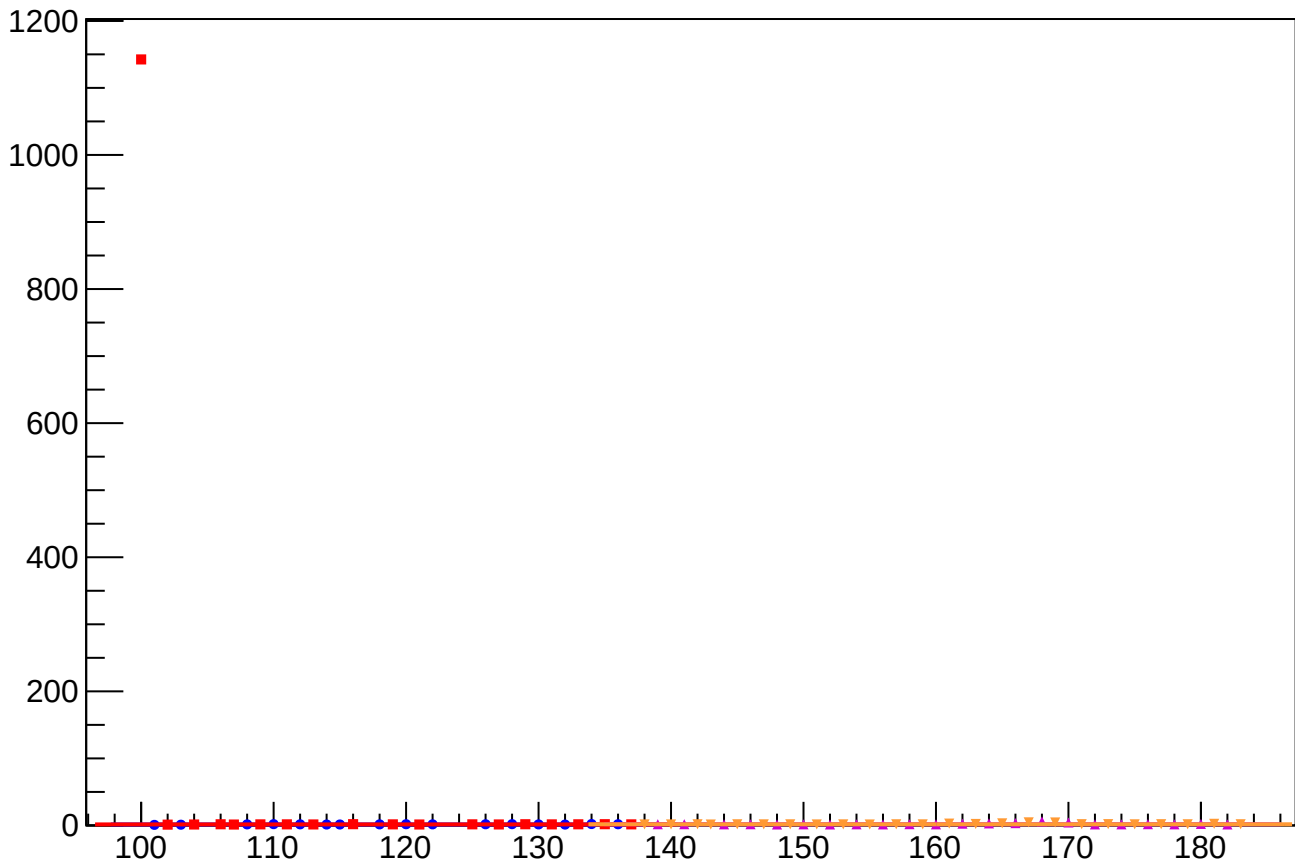
Left In: -0.001 ± 0.490 χ^2/NDF : 24.0/21

+ sign -0.369 ± 0.370 χ^2/NDF : 46.5/39

All: -0.135 ± 0.268 χ^2/NDF : 92.6/79

- sign 0.126 ± 0.390 χ^2/NDF : 45.2/39

asym_dsl_correction_rms vs Slug



Right In: 1.420 $\pm$ 0.000 χ^2 /NDF: 713301.5/15

Left Out: 1.743 $\pm$ 0.000 χ^2 /NDF: 1676169.0/23

Right Out: 1.555 $\pm$ 0.000 χ^2 /NDF: 313943.5/17

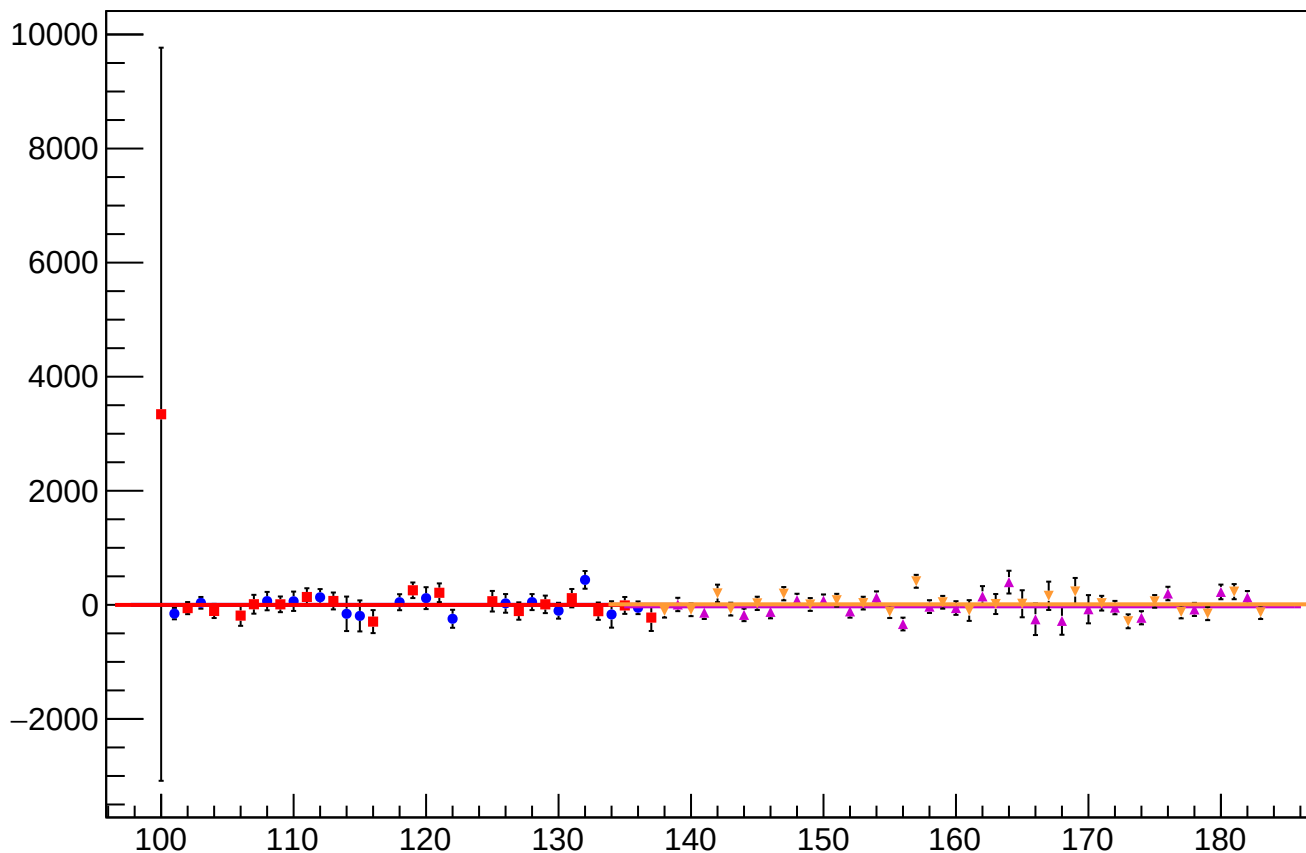
Left In: 1.805 $\pm$ 0.000 χ^2 /NDF: 1919529.4/21

+ sign 1.627 $\pm$ 0.000 χ^2 /NDF: 2741054.1/39

All: 1.668 $\pm$ 0.000 χ^2 /NDF: 5216233.5/79

- sign 1.713 $\pm$ 0.000 χ^2 /NDF: 2424003.0/39

asym_dsl_mean vs Slug



Right In: -0.474 ± 36.781 χ^2/NDF : 16.7/15

Left Out: 9.443 ± 25.807 χ^2/NDF : 36.2/23

Right Out: -1.223 ± 36.766 χ^2/NDF : 13.3/17

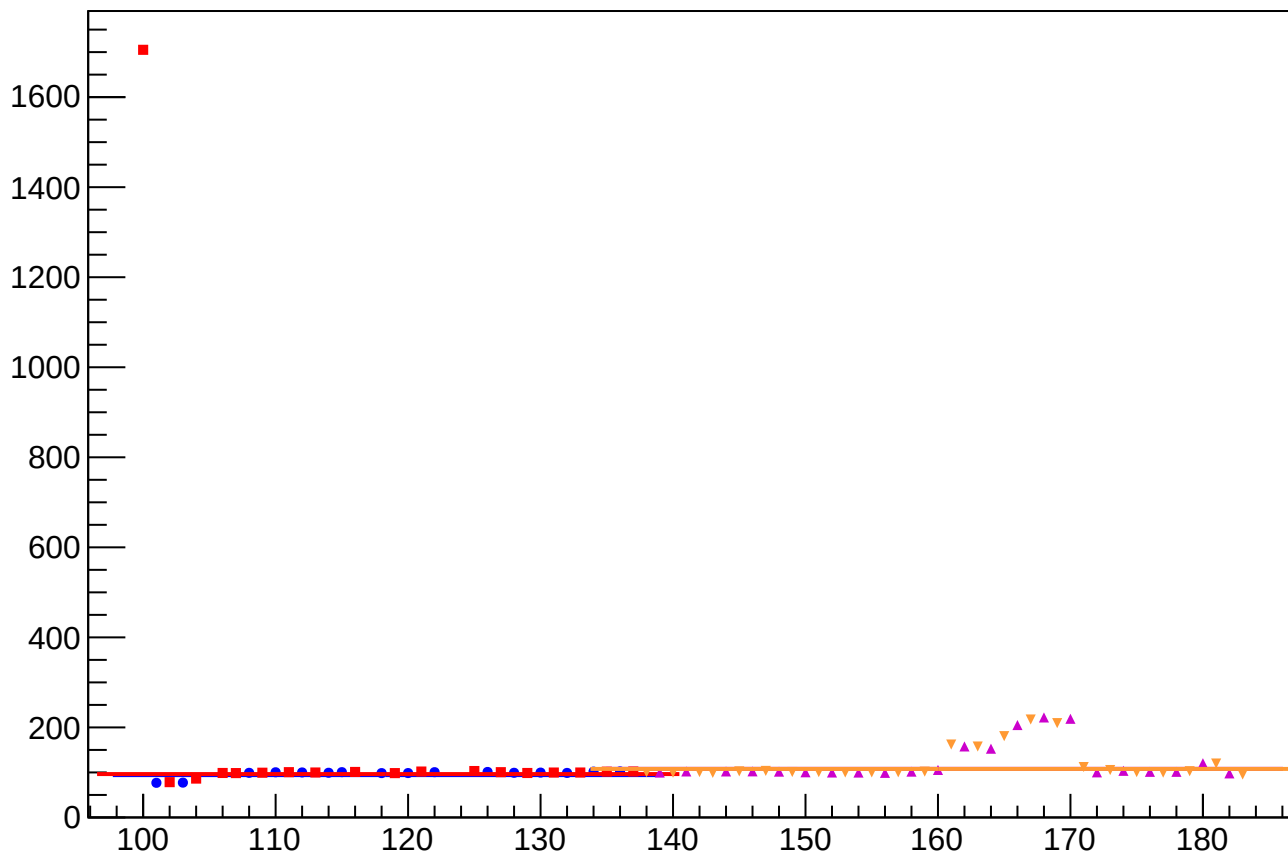
Left In: -25.892 ± 26.636 χ^2/NDF : 35.7/21

+ sign 6.172 ± 21.125 χ^2/NDF : 52.9/39

All: -5.369 ± 15.093 χ^2/NDF : 102.8/79

- sign -17.401 ± 21.570 χ^2/NDF : 49.3/39

asym_dsl_rms vs Slug



Right In: 94.071 $\pm$ 0.026 χ^2 /NDF: 152087.2/15

Left Out: 107.820 $\pm$ 0.018 χ^2 /NDF:1441926.5/23

Right Out: 96.367 $\pm$ 0.026 χ^2 /NDF: 214243.8/17

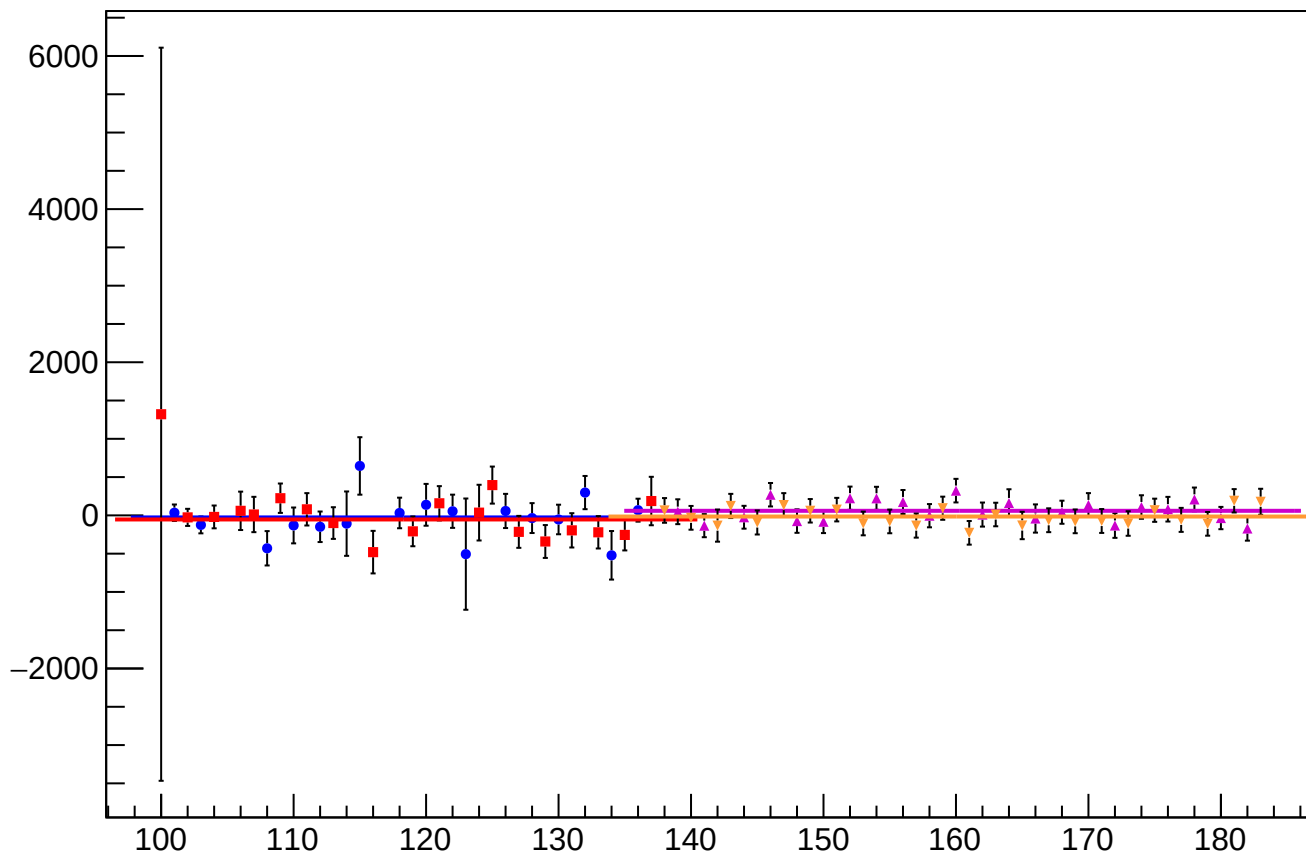
Left In: 107.943 $\pm$ 0.019 χ^2 /NDF:1484691.6/21

+ sign 103.284 $\pm$ 0.015 χ^2 /NDF: 1781266.5/39

All: 103.614 $\pm$ 0.011 χ^2 /NDF: 3611233.8/79

- sign 103.959 $\pm$ 0.015 χ^2 /NDF: 1828969.3/39

reg_asym_dsr_mean vs Slug



Right In: -26.797 ± 46.841 χ^2/NDF : 14.4/16

Left Out: -15.098 ± 32.279 χ^2/NDF : 11.6/23

Right Out: -53.384 ± 47.775 χ^2/NDF : 15.4/18

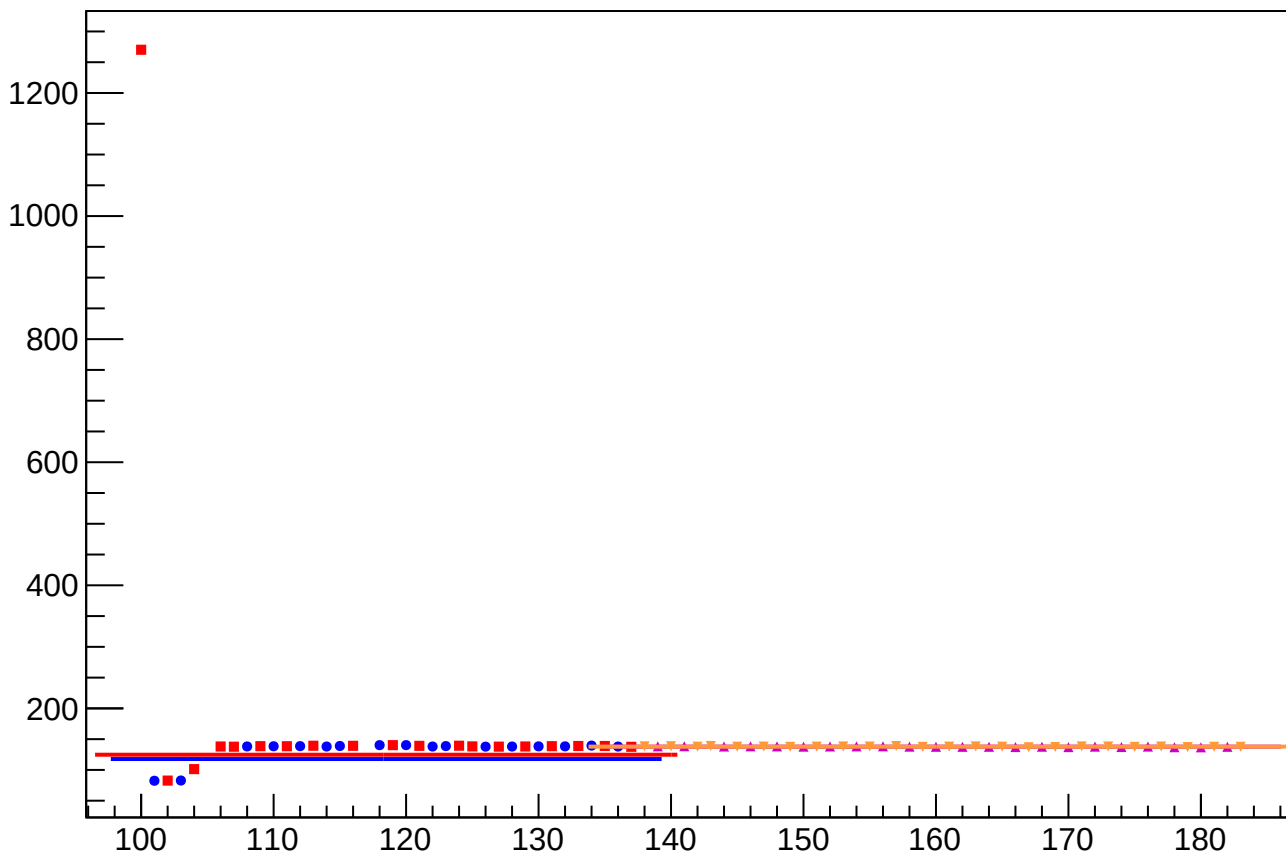
Left In: 59.688 ± 33.218 χ^2/NDF : 17.5/21

+ sign -18.865 ± 26.579 χ^2/NDF : 26.1/40

All: 1.450 ± 19.035 χ^2/NDF : 64.0/81

- sign 22.839 ± 27.273 χ^2/NDF : 36.7/40

reg_asym_dsr_rms vs Slug



Right In: 117.762 +/- 0.033 χ^2/NDF : 665636.8/16

Left Out: 137.852 +/- 0.023 χ^2/NDF : 440.5/23

Right Out: 124.724 +/- 0.034 χ^2/NDF : 569285.6/18

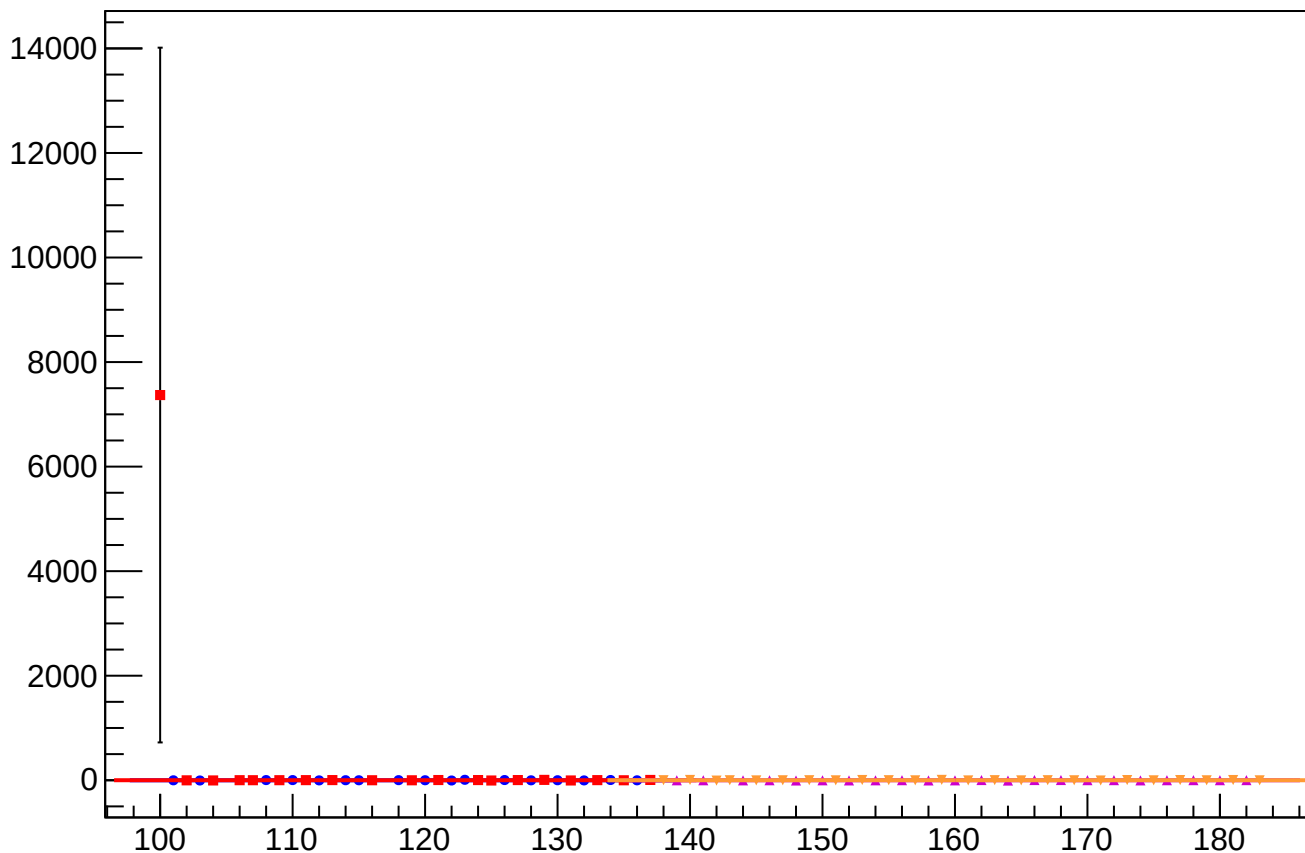
Left In: 137.810 +/- 0.023 χ^2/NDF : 456.5/21

+ sign 131.383 +/- 0.019 χ^2/NDF : 915533.0/40

All: 132.437 +/- 0.013 χ^2/NDF : 1592876.8/81

- sign 133.546 +/- 0.019 χ^2/NDF : 670895.7/40

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 12.2/16

Left Out: 0.454 ± 0.575 χ^2/NDF : 28.5/23

Right Out: 0.638 ± 0.852 χ^2/NDF : 14.7/18

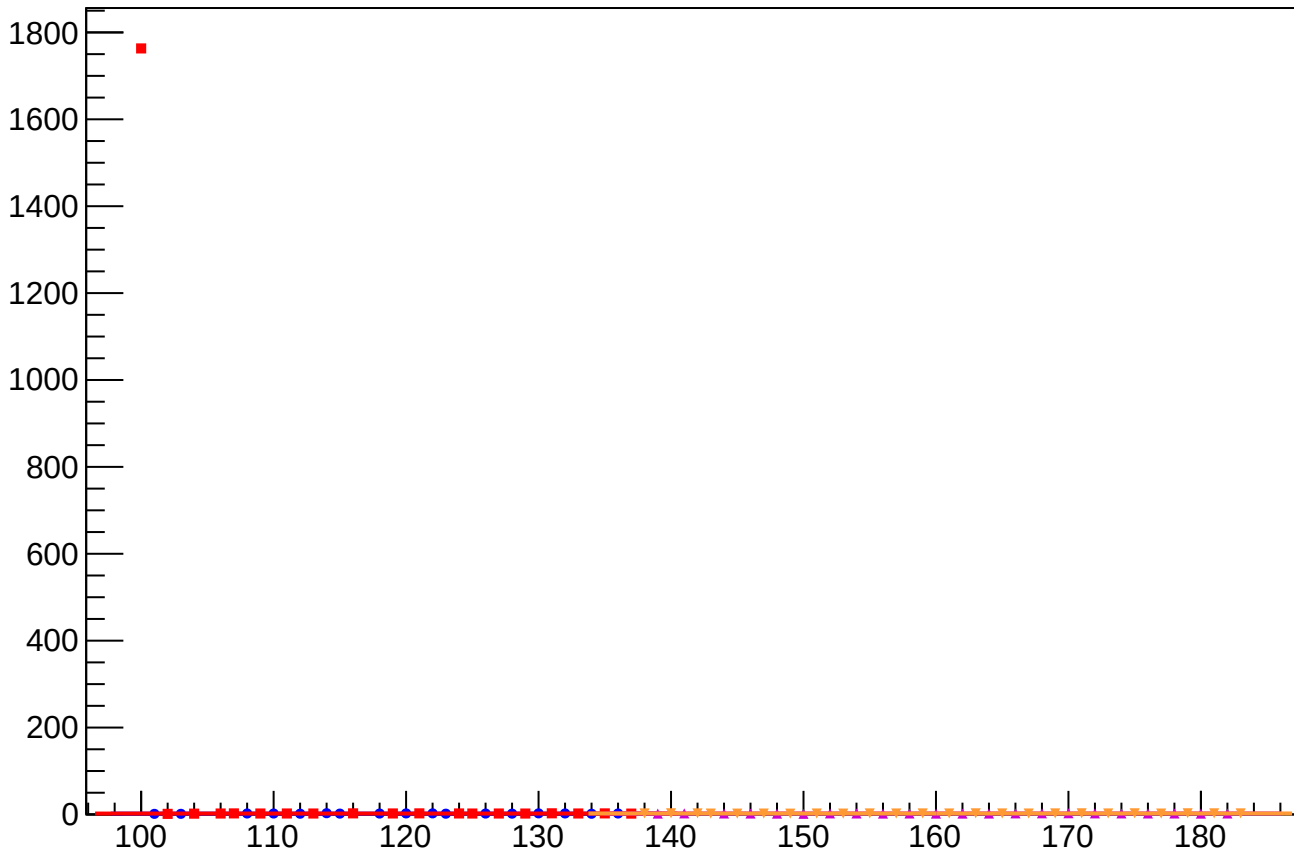
Left In: -0.205 ± 0.583 χ^2/NDF : 19.2/21

+ sign 0.061 ± 0.469 χ^2/NDF : 42.1/40

All: 0.062 ± 0.336 χ^2/NDF : 76.8/81

- sign 0.064 ± 0.481 χ^2/NDF : 34.6/40

asym_dsr_correction_rms vs Slug



Right In: 1.865 $\pm$ 0.001 χ^2 /NDF: 489750.7/16

Left Out: 2.257 $\pm$ 0.000 χ^2 /NDF: 356328.3/23

Right Out: 2.064 $\pm$ 0.001 χ^2 /NDF: 521829.5/18

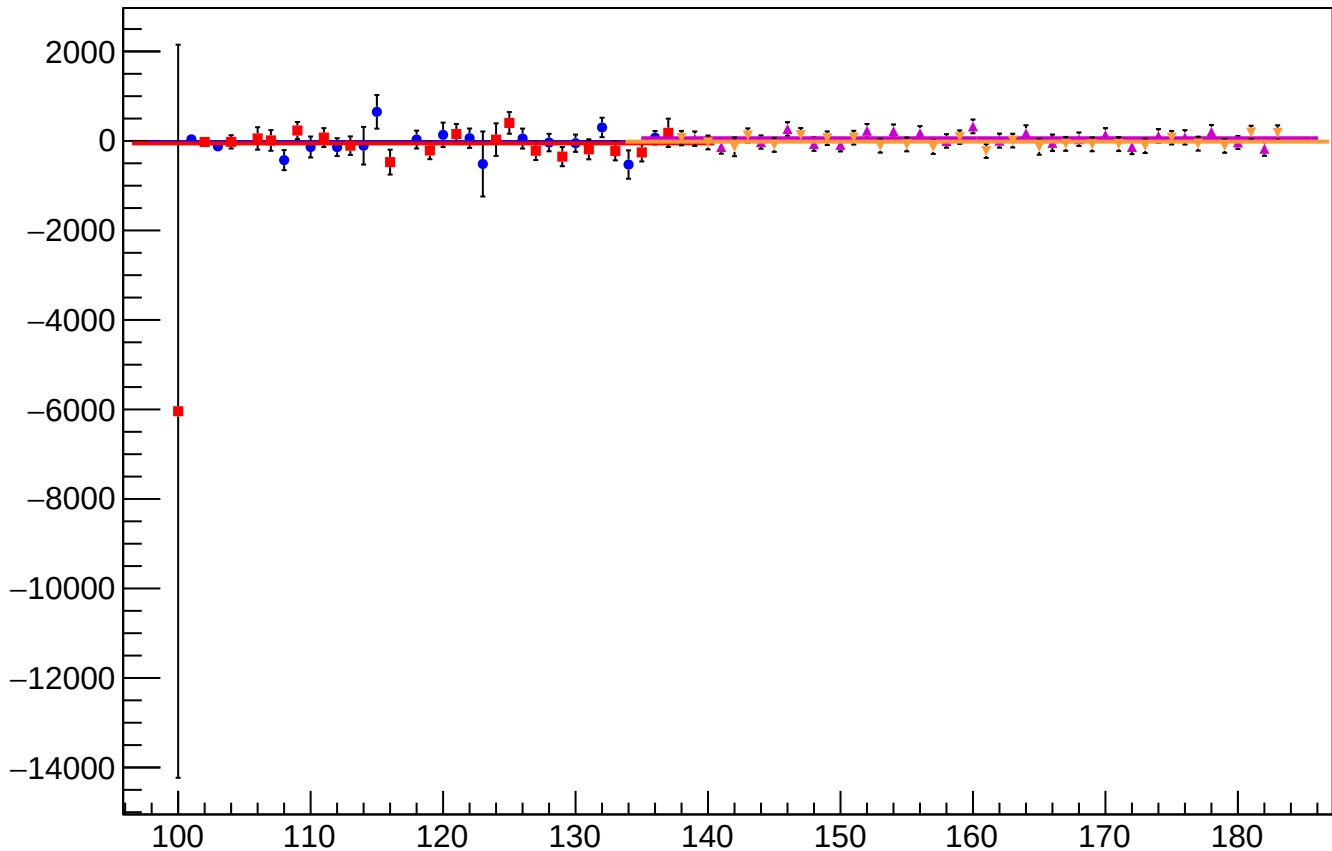
Left In: 2.191 $\pm$ 0.000 χ^2 /NDF: 509034.2/21

+ sign 2.125 $\pm$ 0.000 χ^2 /NDF: 1156543.5/40

All: 2.137 $\pm$ 0.000 χ^2 /NDF: 2220434.8/81

- sign 2.150 $\pm$ 0.000 χ^2 /NDF: 1061191.0/40

asym_dsr_mean vs Slug



Right In: -25.059 ± 46.854 χ^2/NDF : 14.5/16

Left Out: -15.639 ± 32.288 χ^2/NDF : 11.4/23

Right Out: -54.286 ± 47.789 χ^2/NDF : 16.1/18

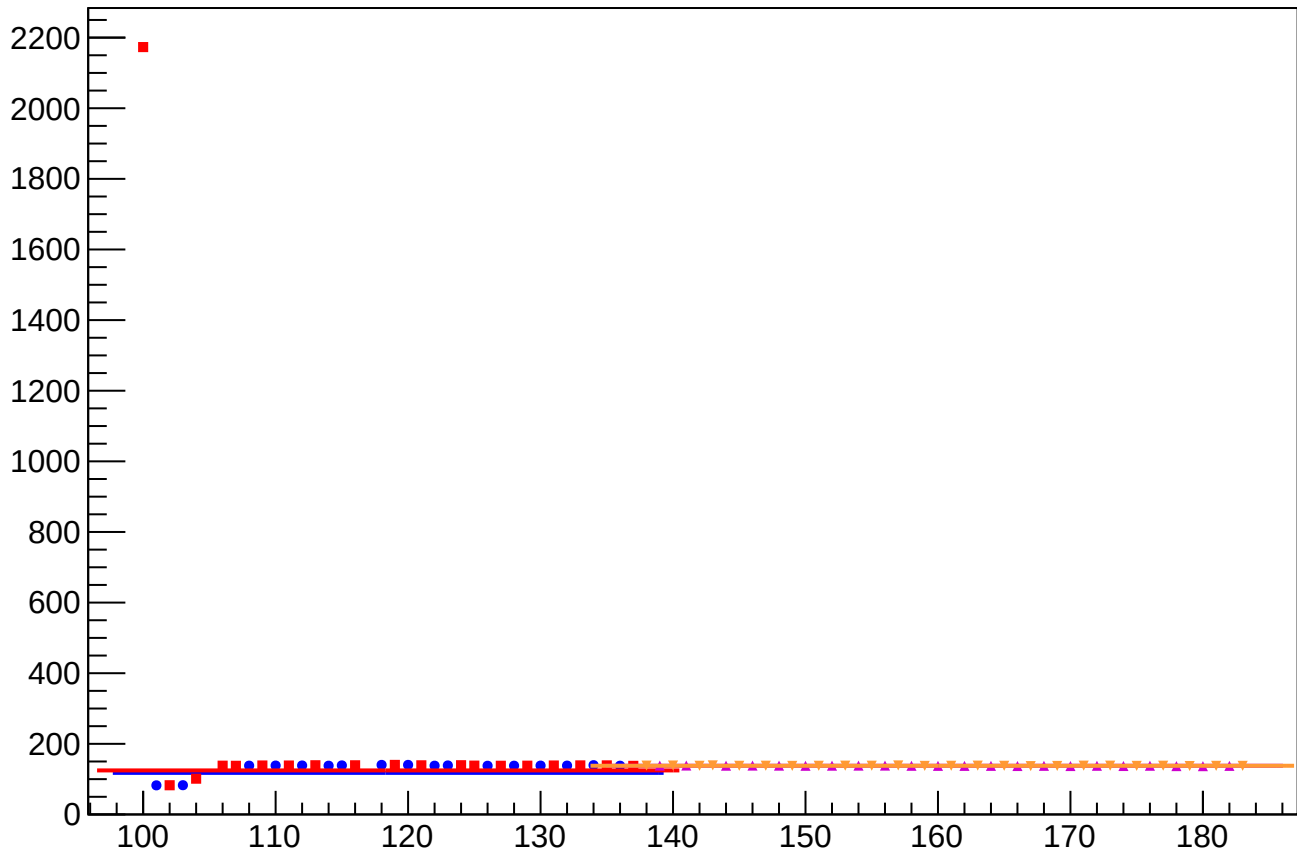
Left In: 59.575 ± 33.227 χ^2/NDF : 17.6/21

+ sign -18.672 ± 26.586 χ^2/NDF : 25.9/40

All: 1.368 ± 19.040 χ^2/NDF : 64.6/81

- sign 22.469 ± 27.281 χ^2/NDF : 37.5/40

asym_dsr_rms vs Slug



Right In: 117.793 $\pm$ 0.033 χ^2 /NDF: 665675.4/16

Left Out: 137.890 $\pm$ 0.023 χ^2 /NDF: 437.7/23

Right Out: 124.713 $\pm$ 0.034 χ^2 /NDF: 579862.1/18

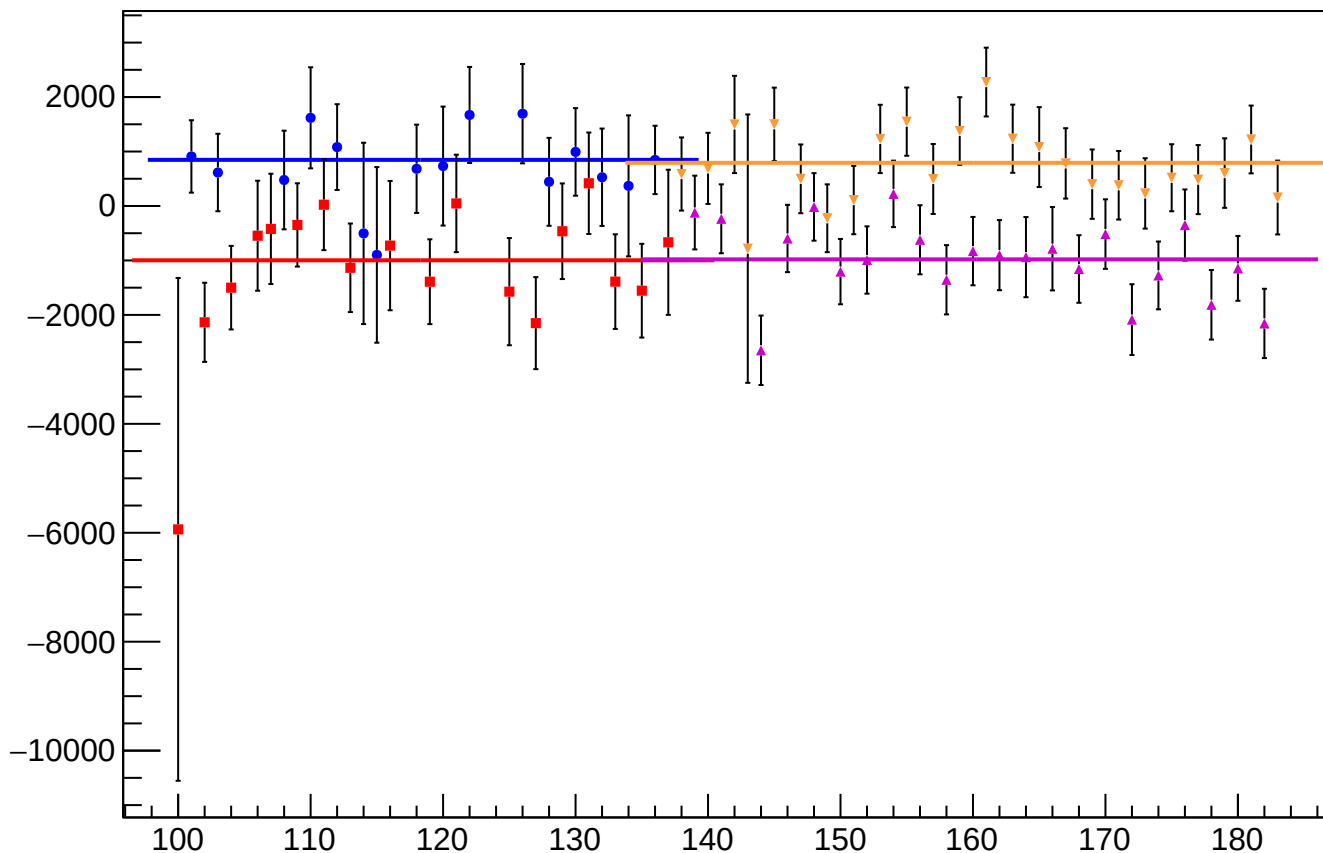
Left In: 137.849 $\pm$ 0.023 χ^2 /NDF: 453.5/21

+ sign 131.419 $\pm$ 0.019 χ^2 /NDF: 915599.3/40

All: 132.466 $\pm$ 0.013 χ^2 /NDF: 1604144.5/81

- sign 133.568 $\pm$ 0.019 χ^2 /NDF: 682181.7/40

reg_asym_left_avg_mean vs Slug



Right In: 847.032 ± 216.666 χ^2/NDF : 5.2/15

Left Out: 792.633 ± 134.867 χ^2/NDF : 19.0/23

Right Out: -997.112 ± 213.264 χ^2/NDF : 14.0/17

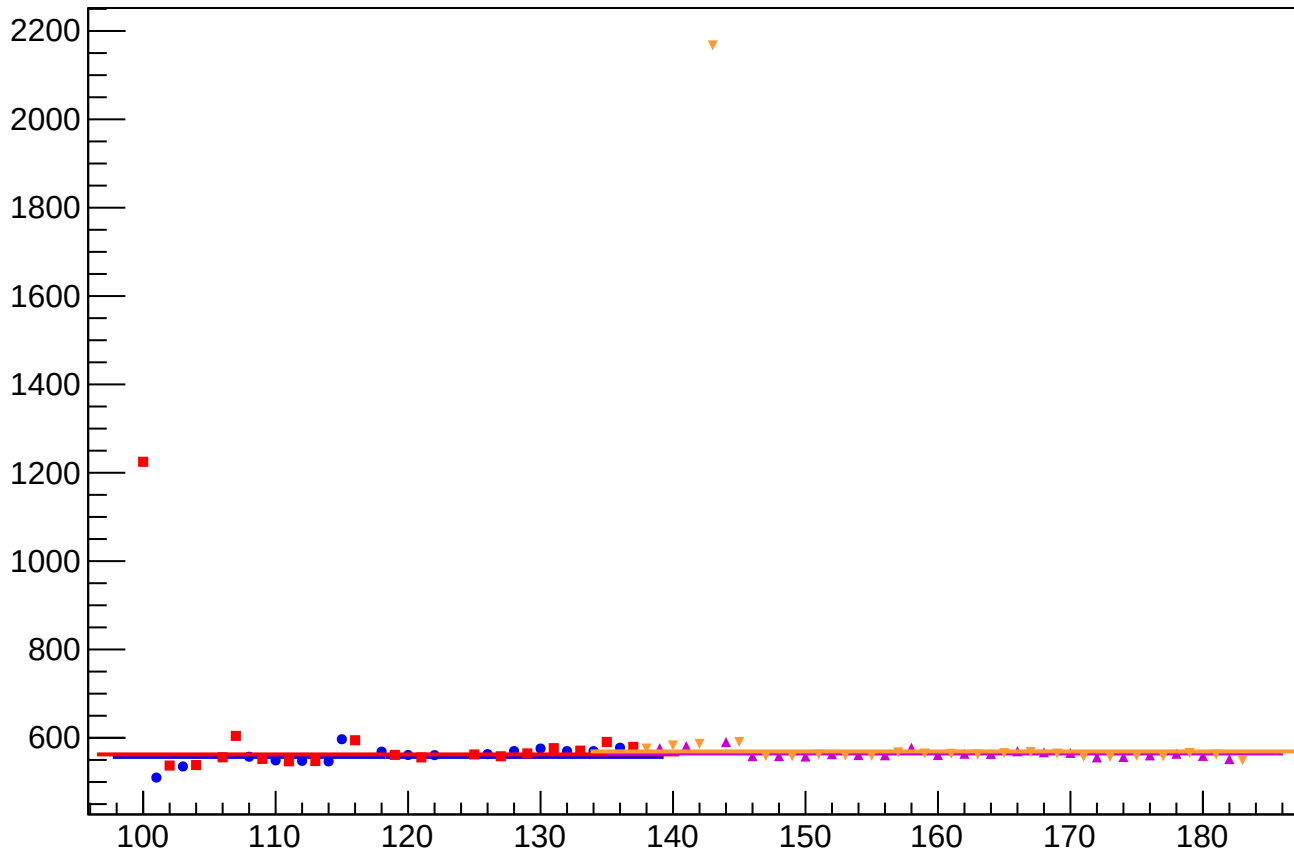
Left In: -979.796 ± 136.094 χ^2/NDF : 27.4/21

+ sign 807.824 ± 114.497 χ^2/NDF : 24.3/39

All: -86.717 ± 81.042 χ^2/NDF : 188.0/79

- sign -984.807 ± 114.724 χ^2/NDF : 41.4/39

reg_asym_left_avg_rms vs Slug



Right In: 556.871 $\pm$ 0.153 χ^2 /NDF: 18555.7/15

Left Out: 569.231 $\pm$ 0.095 χ^2 /NDF: 852779.8/23

Right Out: 562.460 $\pm$ 0.151 χ^2 /NDF: 55550.6/17

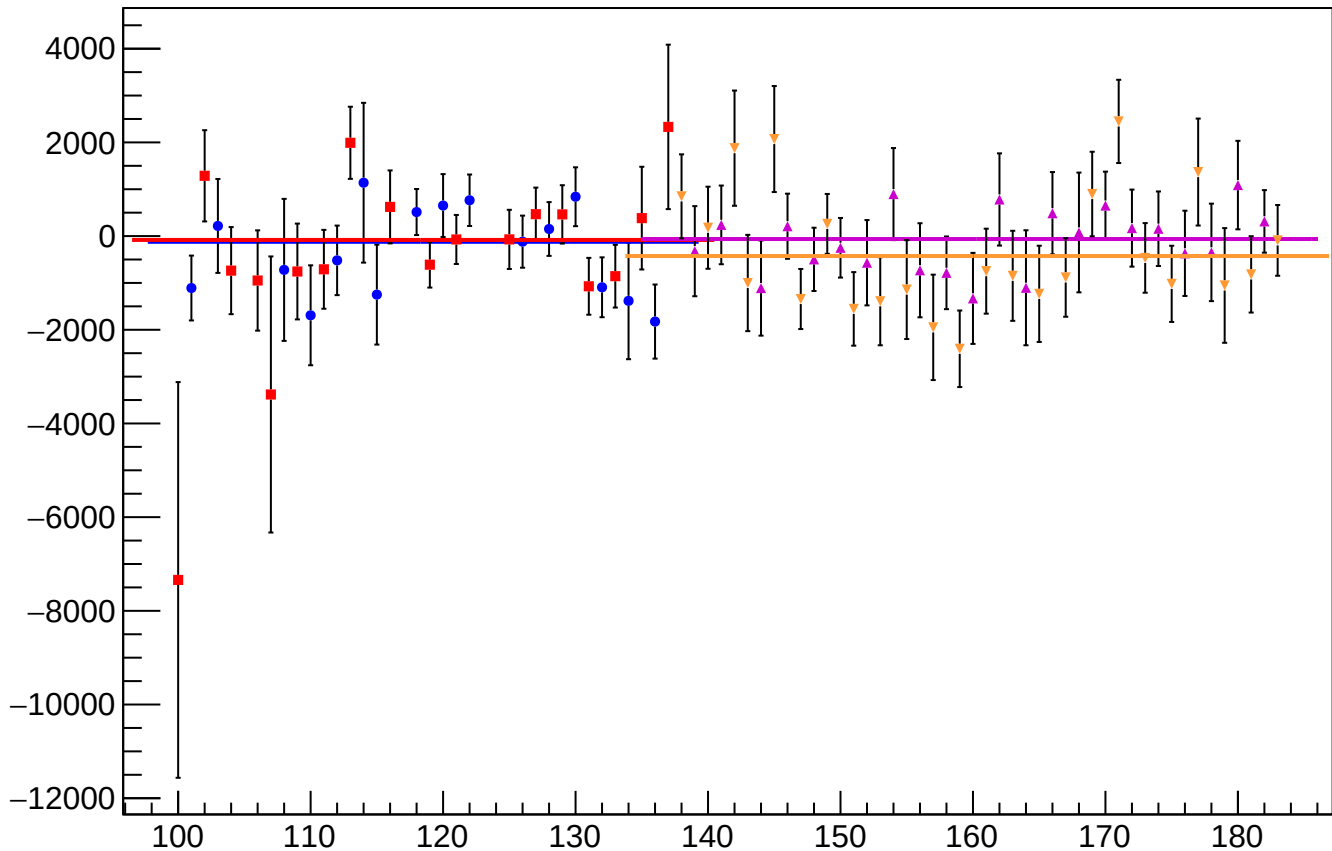
Left In: 564.572 $\pm$ 0.096 χ^2 /NDF: 8982.5/21

+ sign 565.779 $\pm$ 0.081 χ^2 /NDF: 876026.1/39

All: 564.872 $\pm$ 0.057 χ^2 /NDF: 940950.4/79

- sign 563.961 $\pm$ 0.081 χ^2 /NDF: 64672.6/39

asym_left_avg_correction_mean vs Slug



Right In: -121.777 ± 180.788 χ^2/NDF : 22.6/15

Left Out: -425.797 ± 179.788 χ^2/NDF : 43.2/23

Right Out: -82.274 ± 179.330 χ^2/NDF : 25.3/17

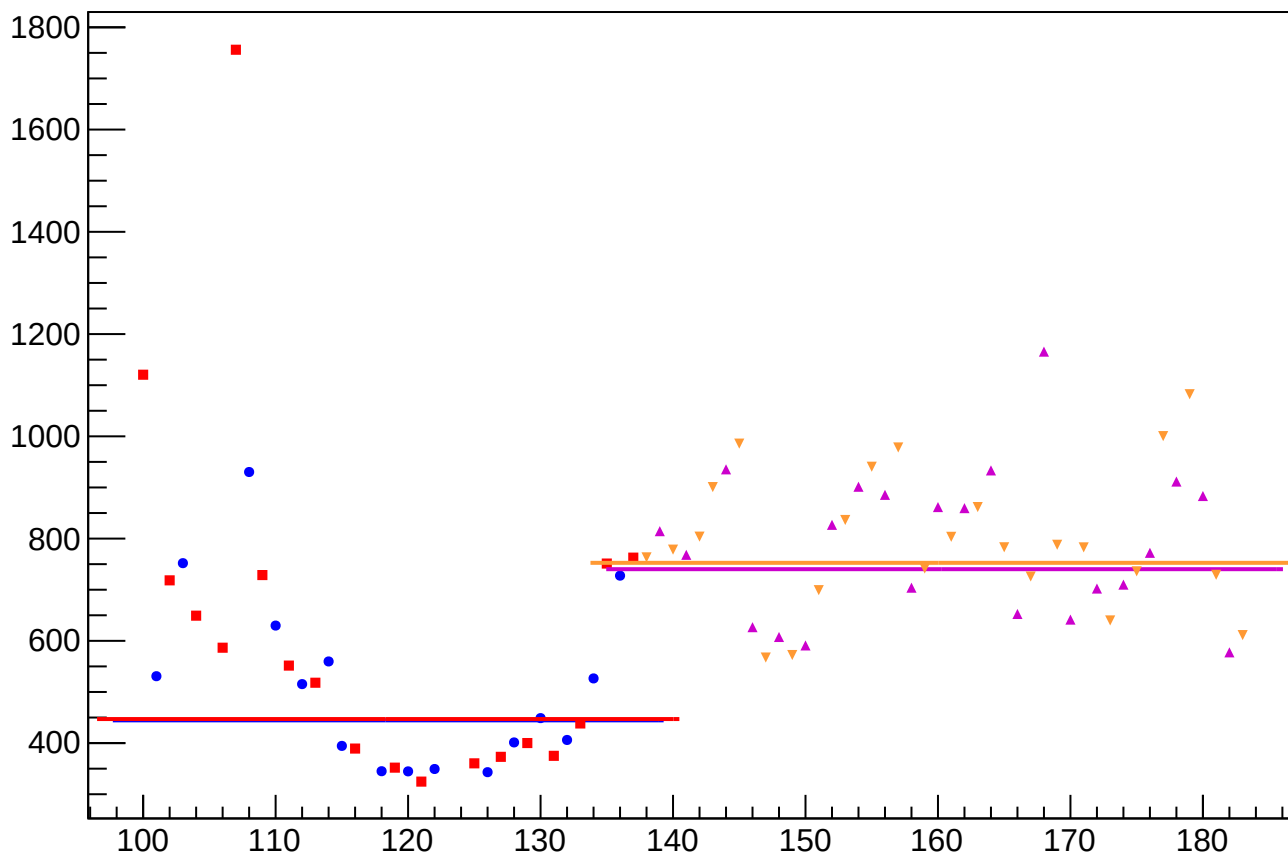
Left In: -62.587 ± 181.919 χ^2/NDF : 11.2/21

+ sign -274.630 ± 127.481 χ^2/NDF : 67.2/39

All: -173.783 ± 90.224 χ^2/NDF : 105.0/79

- sign -72.572 ± 127.711 χ^2/NDF : 36.5/39

asym_left_avg_correction_rms vs Slug



Right In: 444.510+/-0.128 χ^2/NDF : 1052706.5/15

Left Out: 752.598+/-0.127 χ^2/NDF :1026660.9/23

Right Out: 447.043+/-0.127 χ^2/NDF : 1454919.9/17

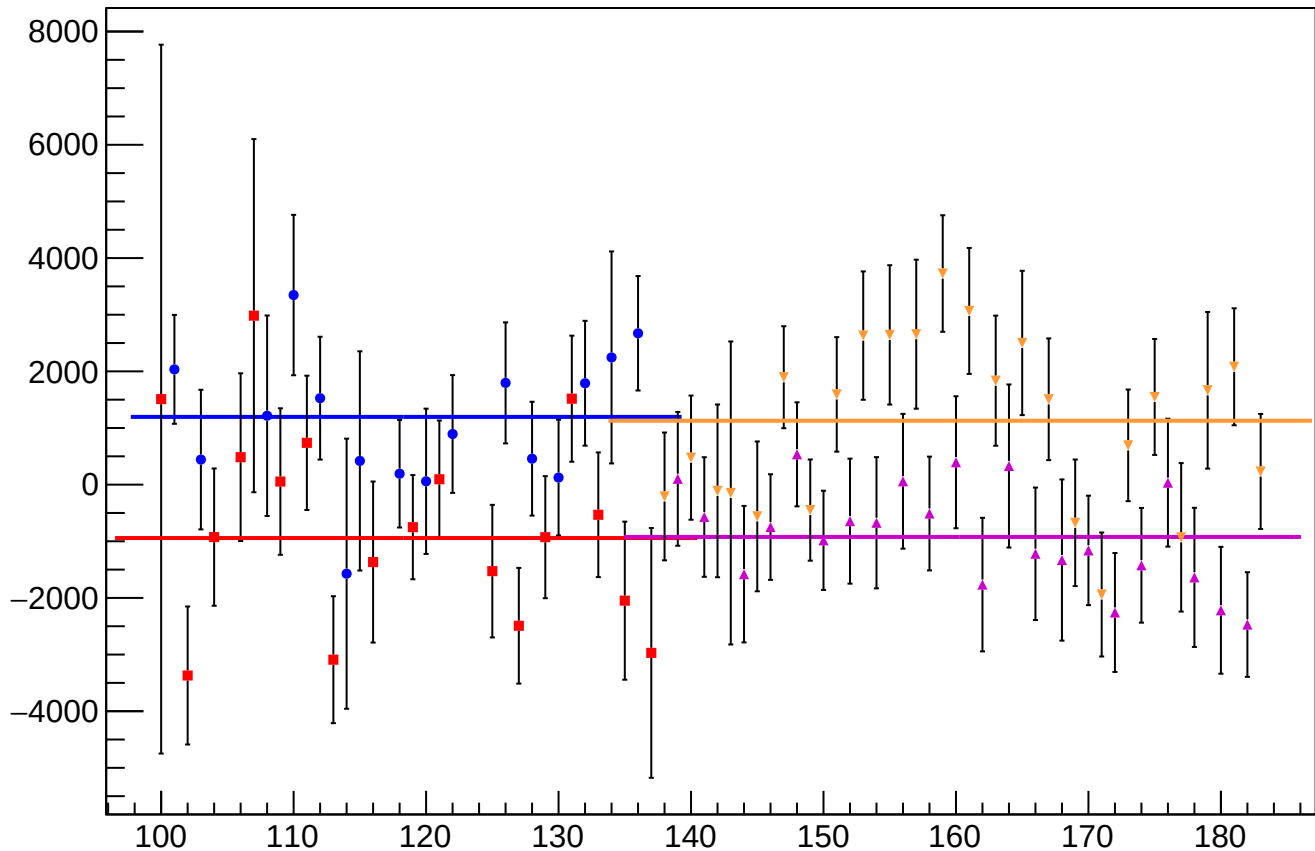
Left In: 740.164+/-0.129 χ^2/NDF :1064011.9/21

+ sign 599.409+/-0.090 χ^2/NDF : 4999582.6/39

All: 595.463+/-0.064 χ^2/NDF : 10155767.8/79

- sign 591.503+/-0.090 χ^2/NDF : 5152346.1/39

asym_left_avg_mean vs Slug



Right In: 1196.174 $\pm$ 296.098 χ^2 /NDF: 11.7/15

Left Out: 1128.363 $\pm$ 230.219 χ^2 /NDF: 39.1/23

Right Out: -942.782 $\pm$ 294.221 χ^2 /NDF: 23.1/17

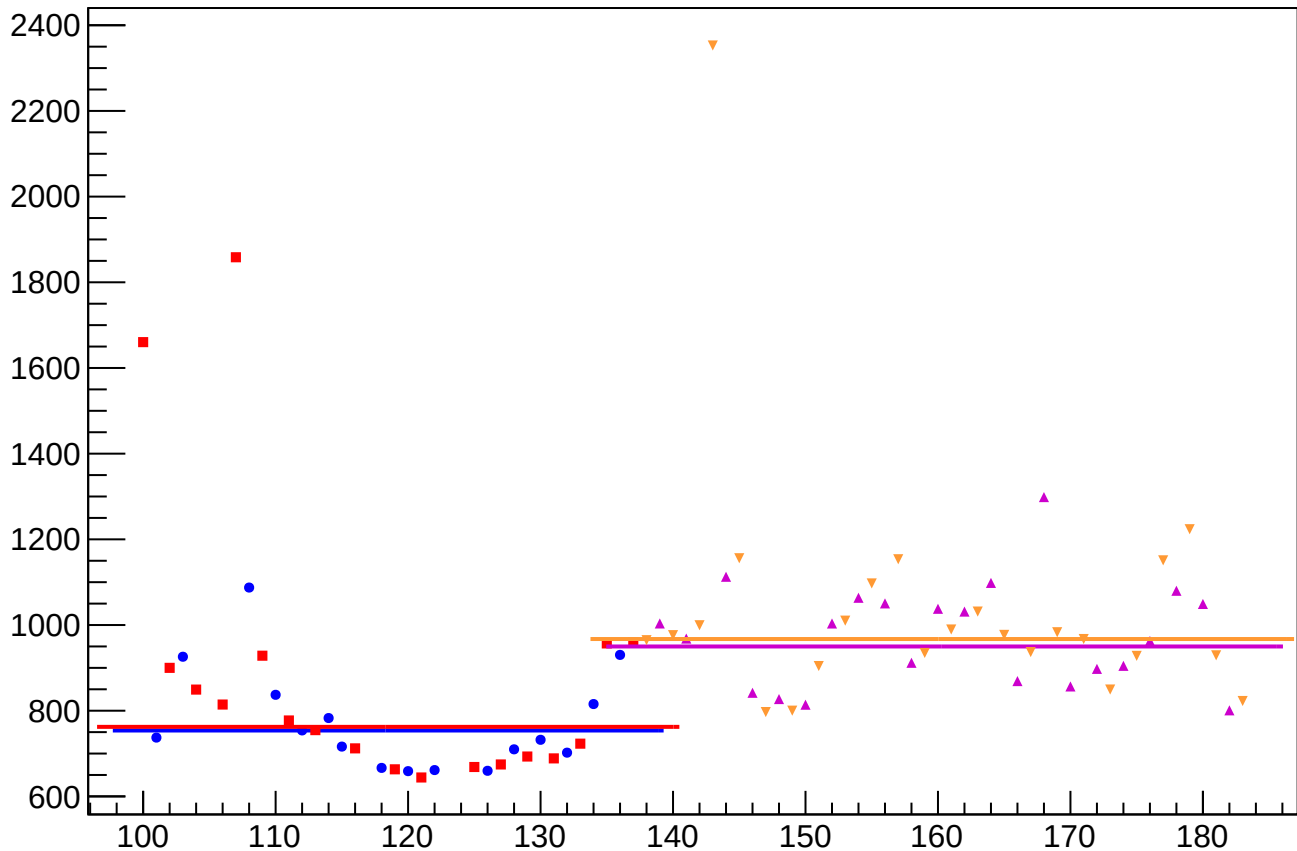
Left In: -923.266 $\pm$ 231.001 χ^2 /NDF: 14.5/21

+ sign 1153.912 $\pm$ 181.748 χ^2 /NDF: 50.9/39

All: 111.283 $\pm$ 128.495 χ^2 /NDF: 154.3/79

- sign -930.708 $\pm$ 181.692 χ^2 /NDF: 37.6/39

asym_left_avg_rms vs Slug



Right In: 753.808 $\pm$ 0.209 χ^2 /NDF: 250129.9/15

Left Out: 967.327 $\pm$ 0.163 χ^2 /NDF: 986956.5/23

Right Out: 762.317 $\pm$ 0.208 χ^2 /NDF: 513801.4/17

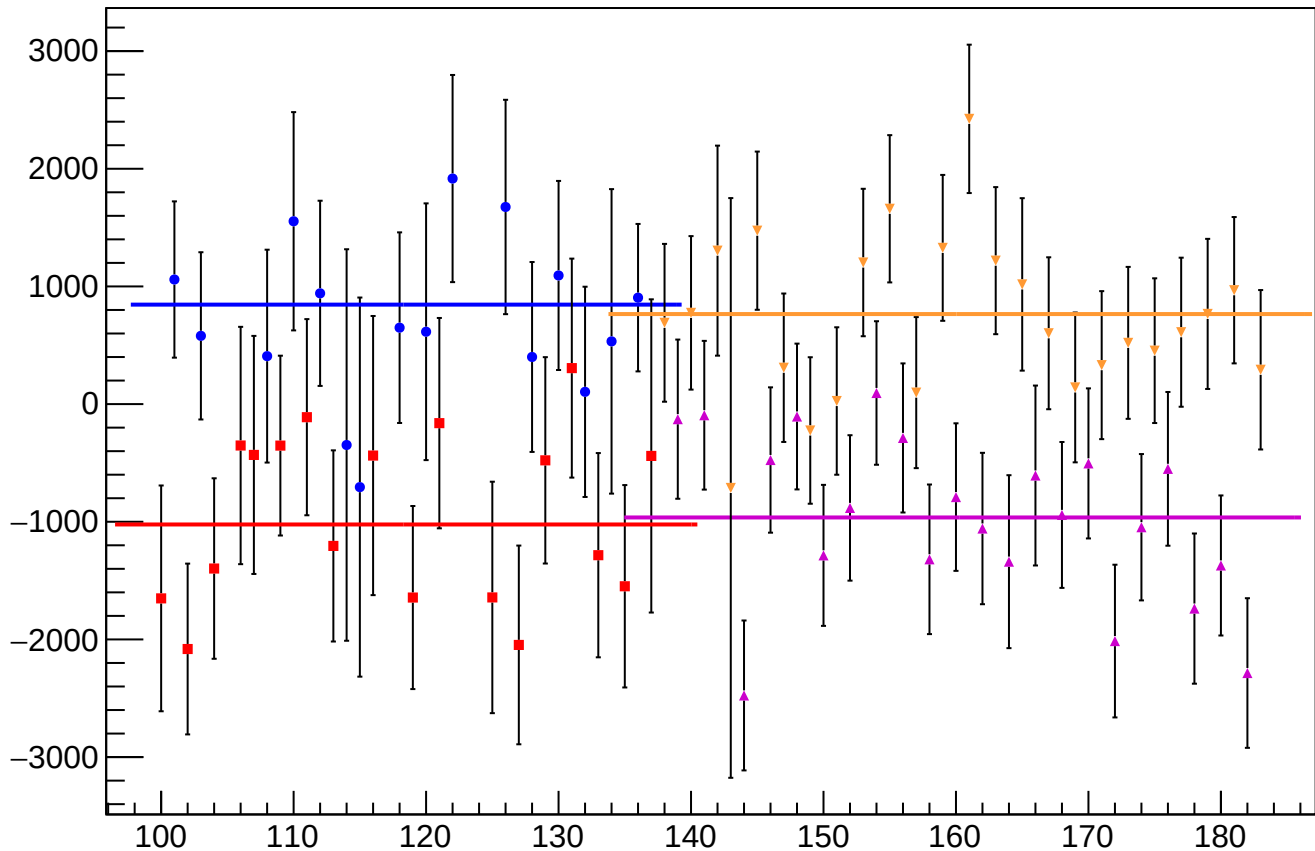
Left In: 949.930 $\pm$ 0.163 χ^2 /NDF: 483032.7/21

+ sign 886.881 $\pm$ 0.129 χ^2 /NDF: 1885251.2/39

All: 882.631 $\pm$ 0.091 χ^2 /NDF: 3387372.6/79

- sign 878.384 $\pm$ 0.128 χ^2 /NDF: 1499934.7/39

reg_asym_left_dd_mean vs Slug



Right In: 845.362 ± 216.498 χ^2/NDF : 6.1/15

Left Out: 765.177 ± 134.756 χ^2/NDF : 20.8/23

Right Out: -1023.052 ± 208.229 χ^2/NDF : 12.4/17

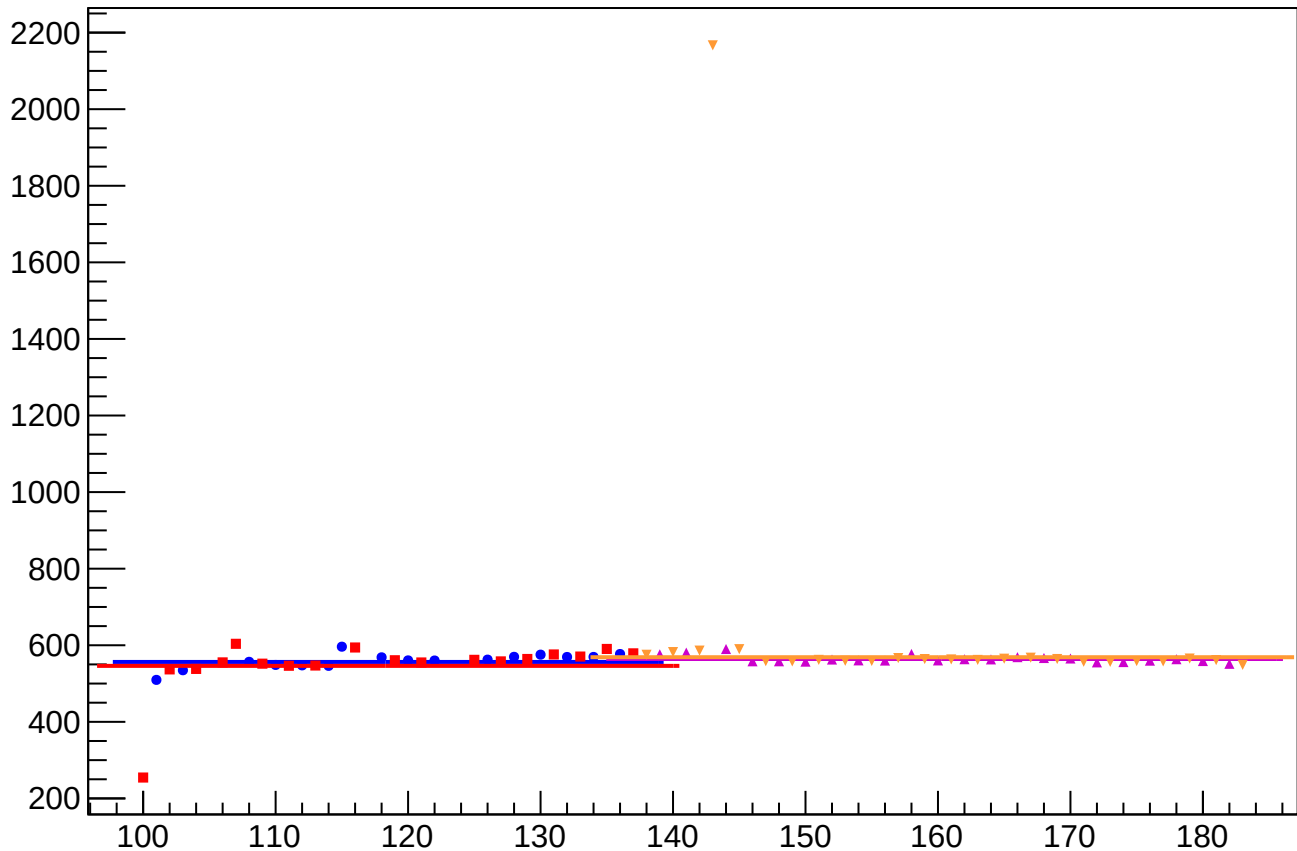
Left In: -963.479 ± 135.985 χ^2/NDF : 26.8/21

+ sign 787.568 ± 114.404 χ^2/NDF : 27.0/39

All: -101.104 ± 80.702 χ^2/NDF : 186.3/79

- sign -981.290 ± 113.857 χ^2/NDF : 39.2/39

reg_asym_left_dd_rms vs Slug



Right In: 556.437 $\pm$ 0.153 χ^2 /NDF: 18580.5/15

Left Out: 568.758 $\pm$ 0.095 χ^2 /NDF: 853068.0/23

Right Out: 546.163 $\pm$ 0.147 χ^2 /NDF: 208134.5/17

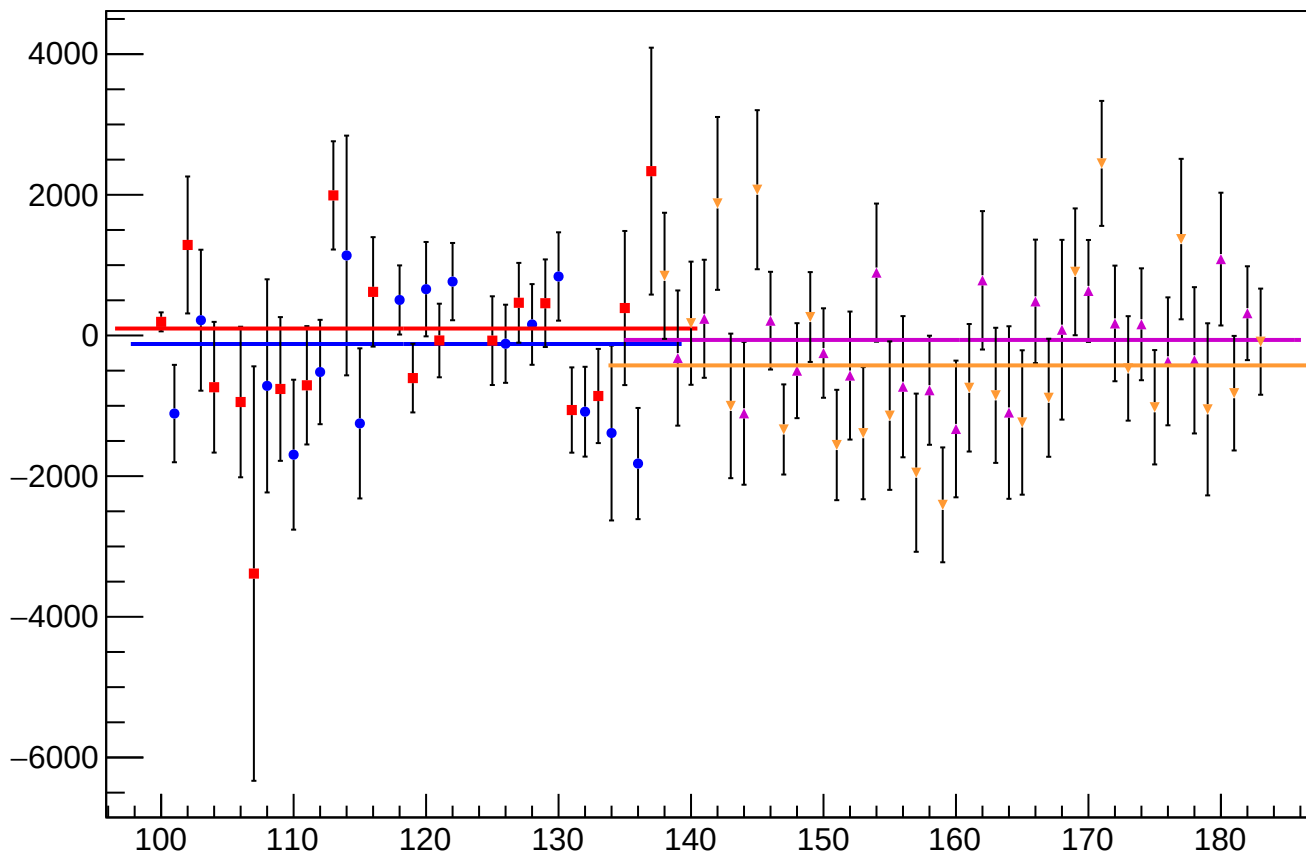
Left In: 564.122 $\pm$ 0.096 χ^2 /NDF: 8980.3/21

+ sign 565.317 $\pm$ 0.081 χ^2 /NDF: 876317.2/39

All: 562.019 $\pm$ 0.057 χ^2 /NDF: 1107169.4/79

- sign 558.753 $\pm$ 0.081 χ^2 /NDF: 227543.5/39

asym_left_dd_correction_mean vs Slug



Right In: -121.208 ± 180.699 χ^2/NDF : 22.5/15

Left Out: -425.463 ± 179.714 χ^2/NDF : 43.3/23

Right Out: 98.790 ± 107.853 χ^2/NDF : 23.7/17

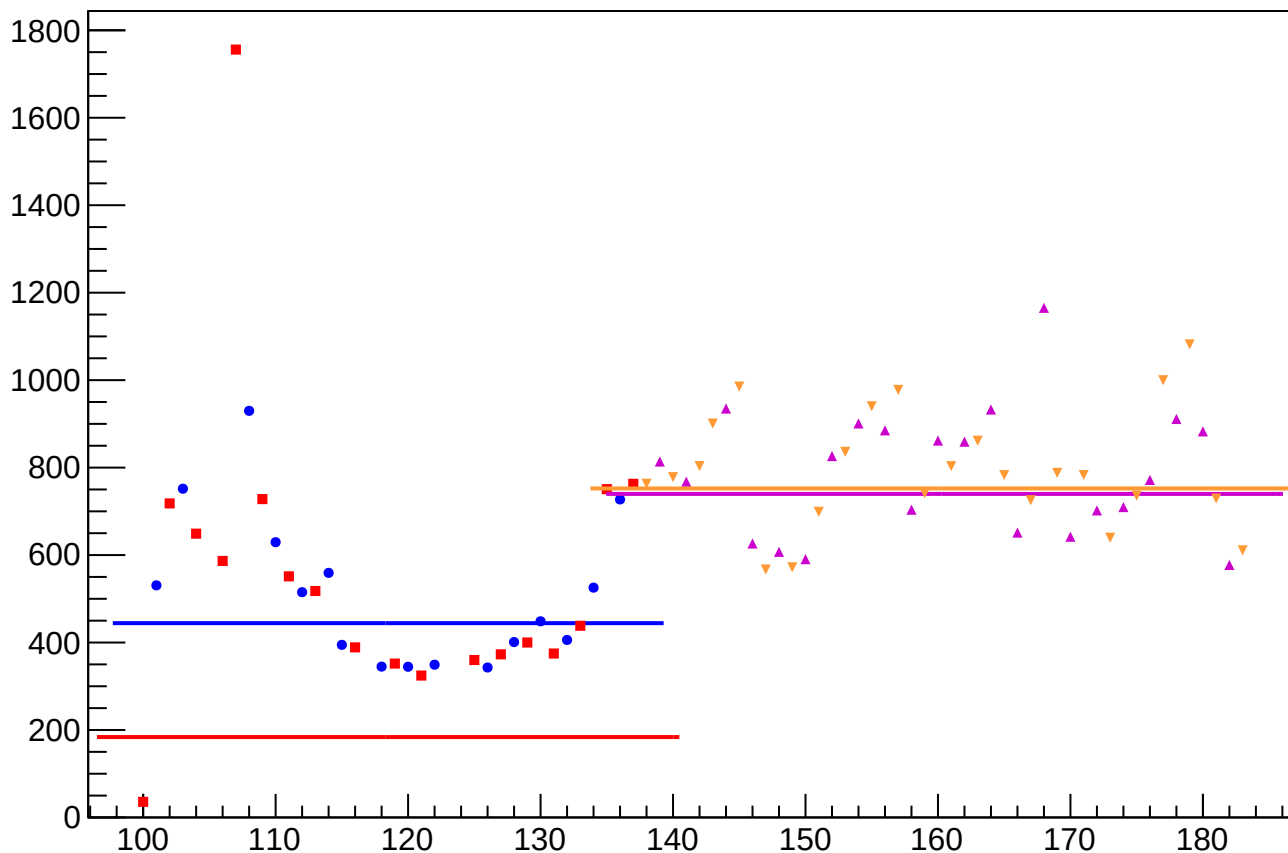
Left In: -63.443 ± 181.842 χ^2/NDF : 11.1/21

+ sign -274.167 ± 127.424 χ^2/NDF : 67.2/39

All: -57.994 ± 74.996 χ^2/NDF : 107.0/79

- sign 56.572 ± 92.764 χ^2/NDF : 35.4/39

asym_left_dd_correction_rms vs Slug



Right In: 444.298+/-0.128 χ^2/NDF : 1052547.8/15

Left Out: 752.302+/-0.127 χ^2/NDF : 1027356.1/23

Right Out: 183.834+/-0.076 χ^2/NDF : 8072183.4/17

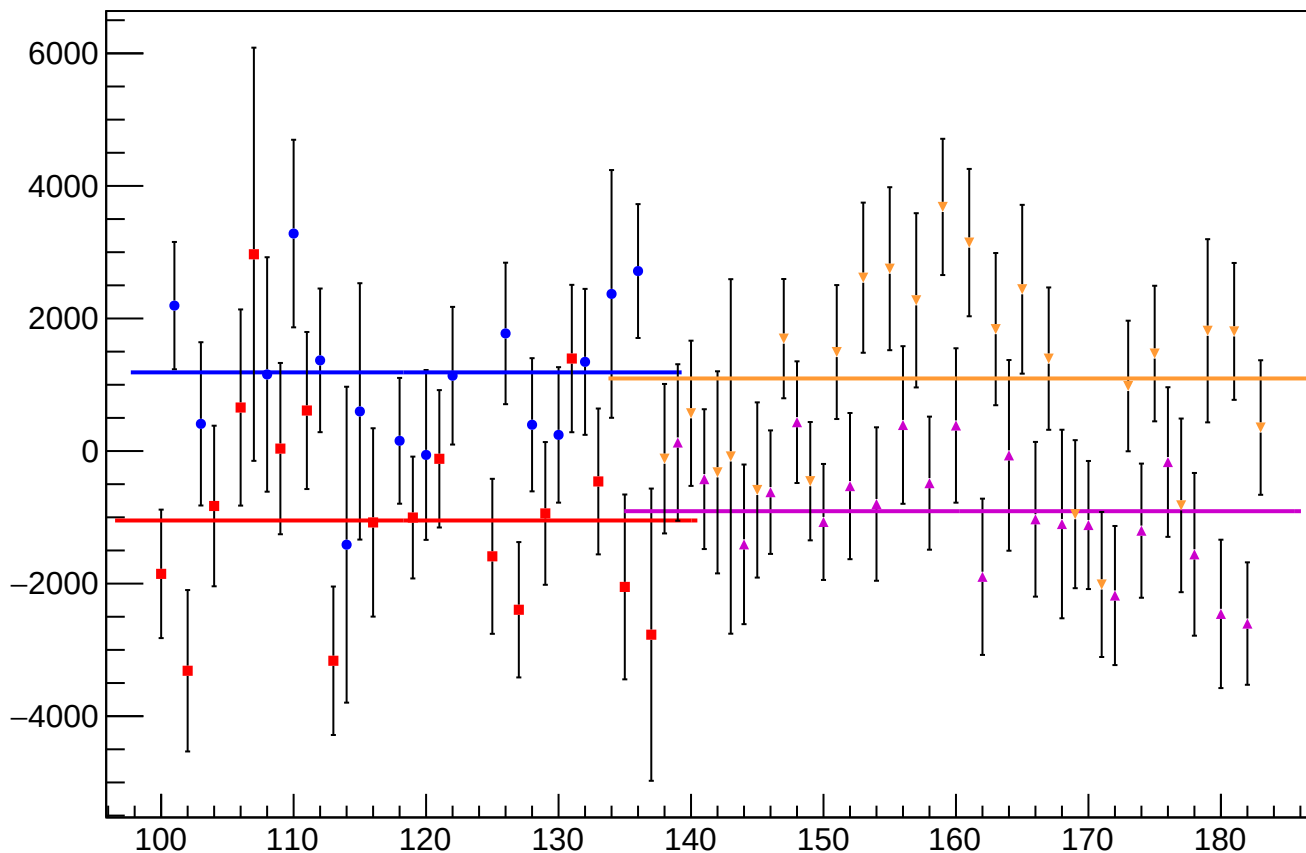
Left In: 739.853+/-0.129 χ^2/NDF : 1063870.3/21

+ sign 599.142+/-0.090 χ^2/NDF : 5001151.9/39

All: 422.267+/-0.053 χ^2/NDF : 33865905.7/79

- sign 328.529+/-0.066 χ^2/NDF : 22968969.2/39

asym_left_dd_mean vs Slug



Right In: 1186.962 $\pm$ 295.897 χ^2 /NDF: 11.6/15

Left Out: 1095.010 $\pm$ 230.088 χ^2 /NDF:38.4/23

Right Out: -1047.656 $\pm$ 281.637 χ^2 /NDF: 22.4/17

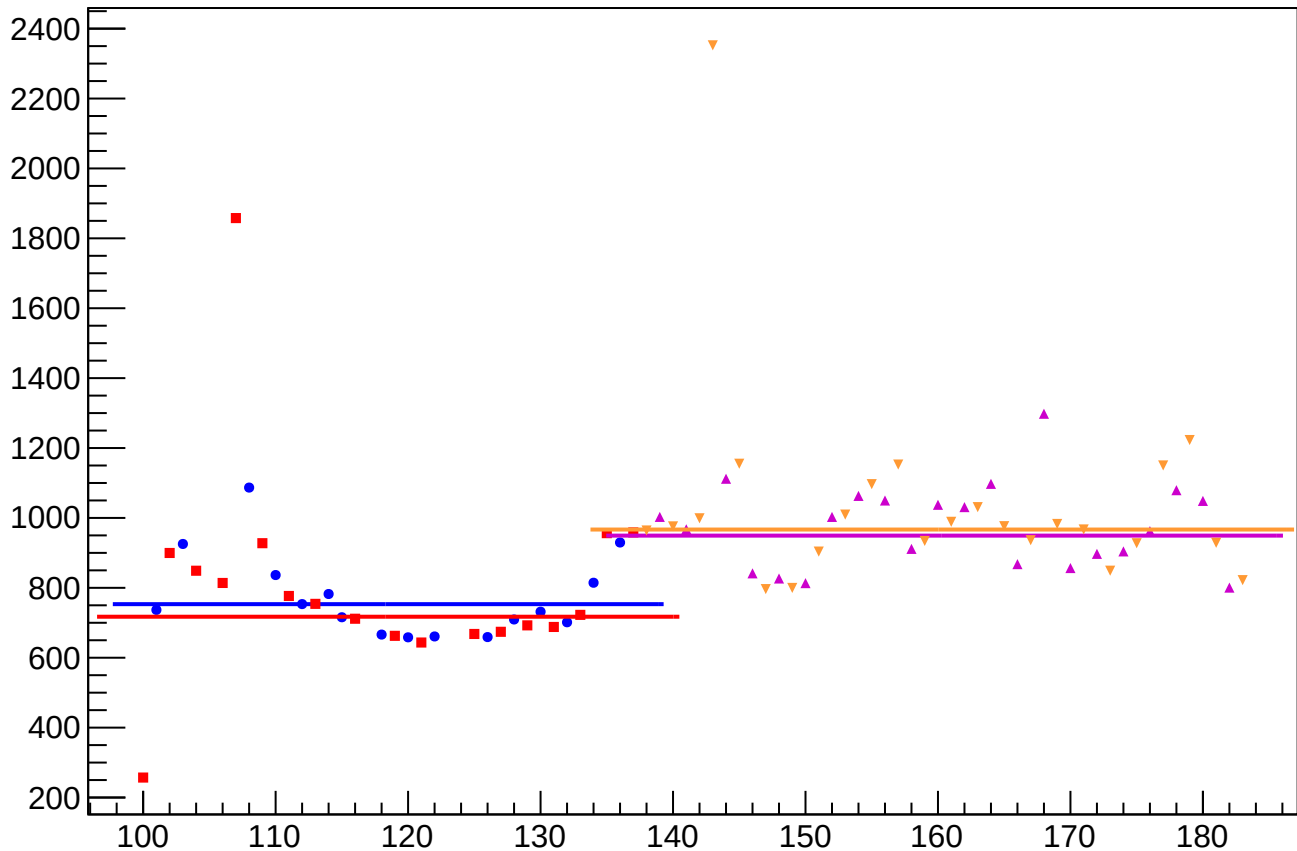
Left In: -907.477 $\pm$ 230.872 χ^2 /NDF:14.8/21

+ sign 1129.659 $\pm$ 181.636 χ^2 /NDF: 50.1/39

All: 64.969 $\pm$ 127.330 χ^2 /NDF: 155.1/79

- sign -963.816 $\pm$ 178.547 χ^2 /NDF: 37.4/39

asym_left_dd_rms vs Slug



Right In: 753.290 $\pm$ 0.209 χ^2 /NDF: 250330.3/15

Left Out: 966.777 $\pm$ 0.163 χ^2 /NDF: 987174.8/23

Right Out: 717.327 $\pm$ 0.199 χ^2 /NDF: 965686.8/17

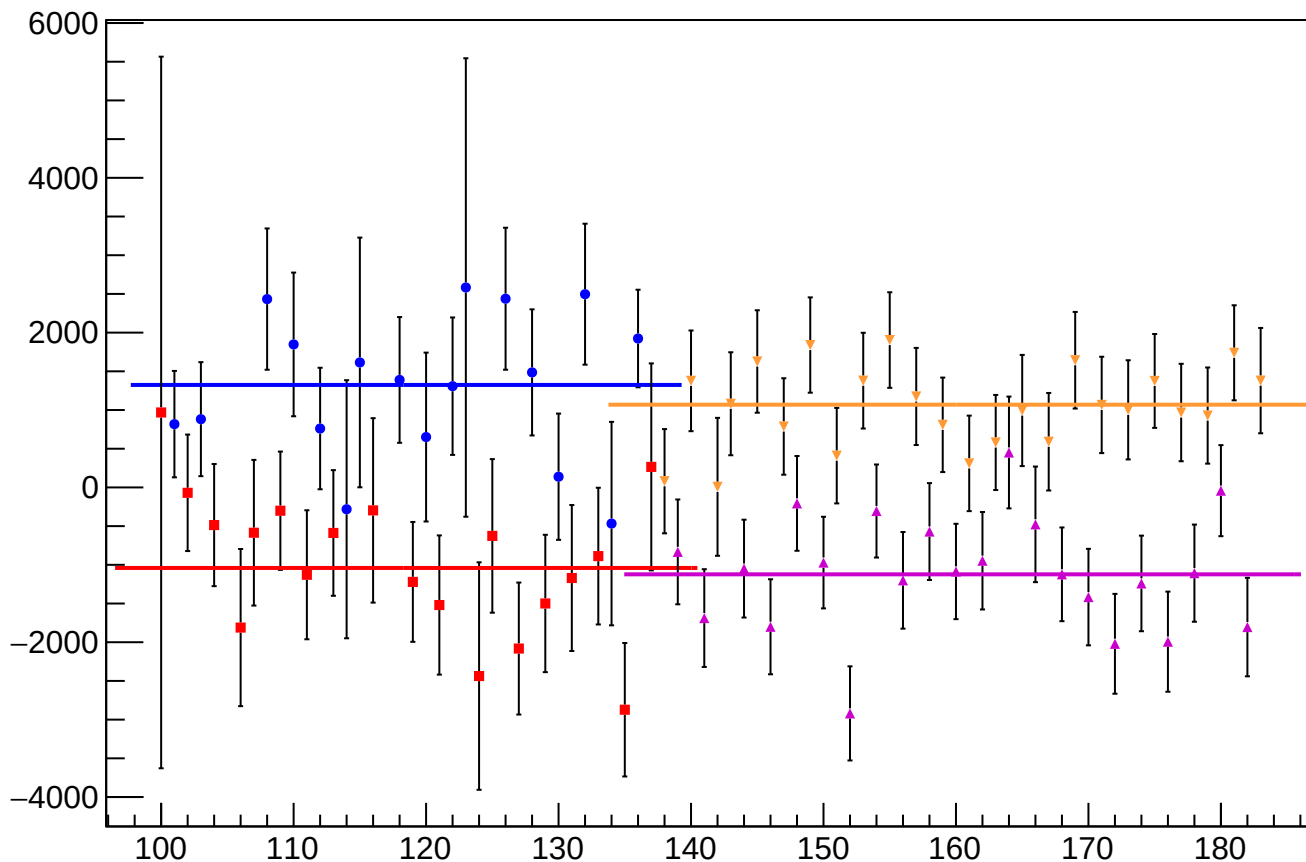
Left In: 949.395 $\pm$ 0.163 χ^2 /NDF: 483123.7/21

+ sign 886.333 $\pm$ 0.128 χ^2 /NDF: 1886305.1/39

All: 870.970 $\pm$ 0.090 χ^2 /NDF: 4175420.8/79

- sign 856.124 $\pm$ 0.126 χ^2 /NDF: 2260980.8/39

reg_asym_right_avg_mean vs Slug



Right In: 1324.051 ± 218.600 $\chi^2/\text{NDF}: 12.8/16$

Left Out: 1068.836 ± 130.585 $\chi^2/\text{NDF}: 15.0/23$

Right Out: -1040.501 ± 212.080 $\chi^2/\text{NDF}: 13.5/18$

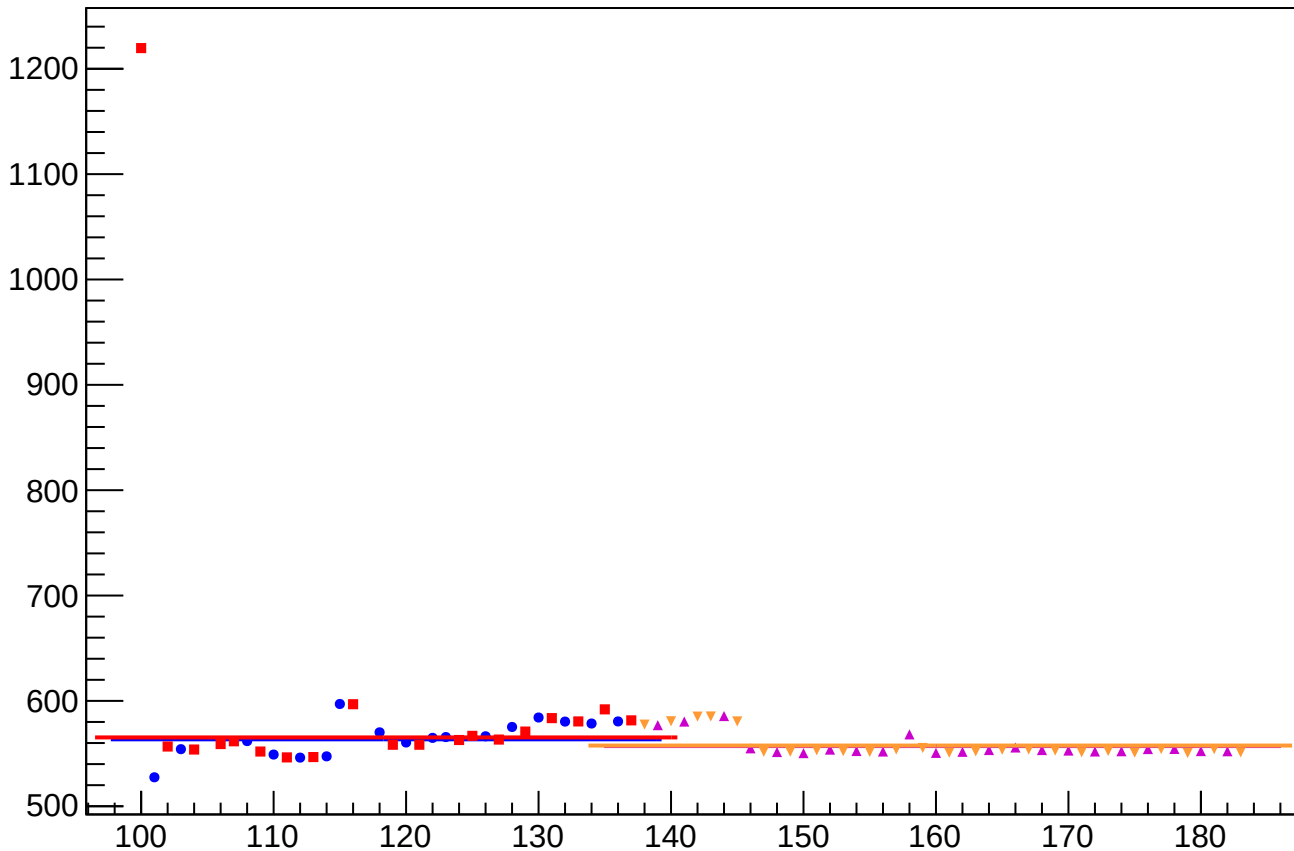
Left In: -1122.877 ± 134.299 $\chi^2/\text{NDF}: 30.0/21$

+ sign 1135.958 ± 112.106 $\chi^2/\text{NDF}: 28.8/40$

All: 31.775 ± 79.746 $\chi^2/\text{NDF}: 268.8/81$

- sign -1099.299 ± 113.463 $\chi^2/\text{NDF}: 43.6/40$

reg_asym_right_avg_rms vs Slug



Right In: 563.522 $\pm$ 0.155 χ^2 /NDF: 12614.9/16

Left Out: 557.604 $\pm$ 0.092 χ^2 /NDF: 14711.3/23

Right Out: 565.327 $\pm$ 0.150 χ^2 /NDF: 49346.9/18

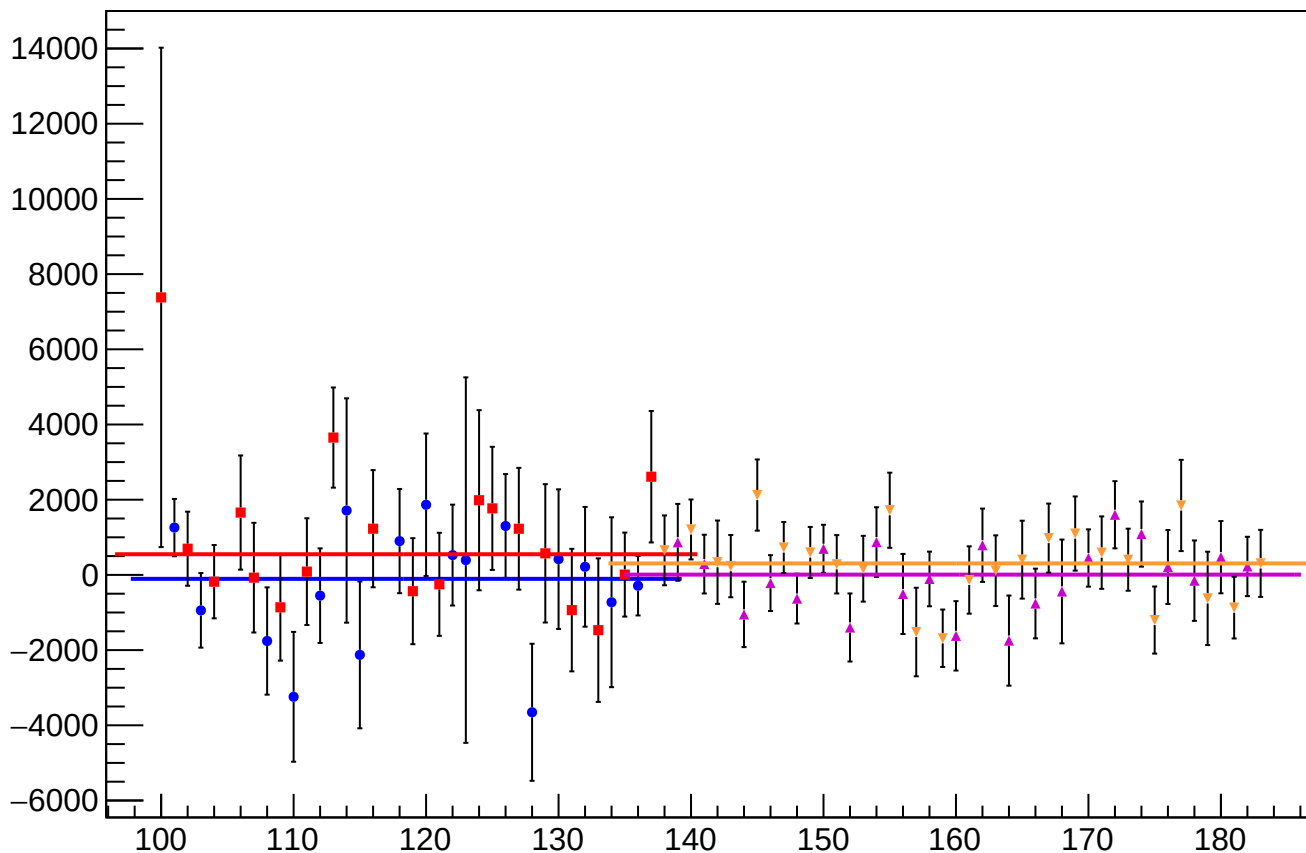
Left In: 557.108 $\pm$ 0.095 χ^2 /NDF: 11082.8/21

+ sign 559.160 $\pm$ 0.079 χ^2 /NDF: 28406.6/40

All: 559.308 $\pm$ 0.056 χ^2 /NDF: 90987.8/81

- sign 559.460 $\pm$ 0.080 χ^2 /NDF: 62574.0/40

asym_right_avg_correction_mean vs Slug



Right In: -104.813 ± 328.267 χ^2/NDF : 17.0/16

Left Out: 305.491 ± 181.777 χ^2/NDF : 25.6/23

Right Out: 549.627 ± 332.981 χ^2/NDF : 14.6/18

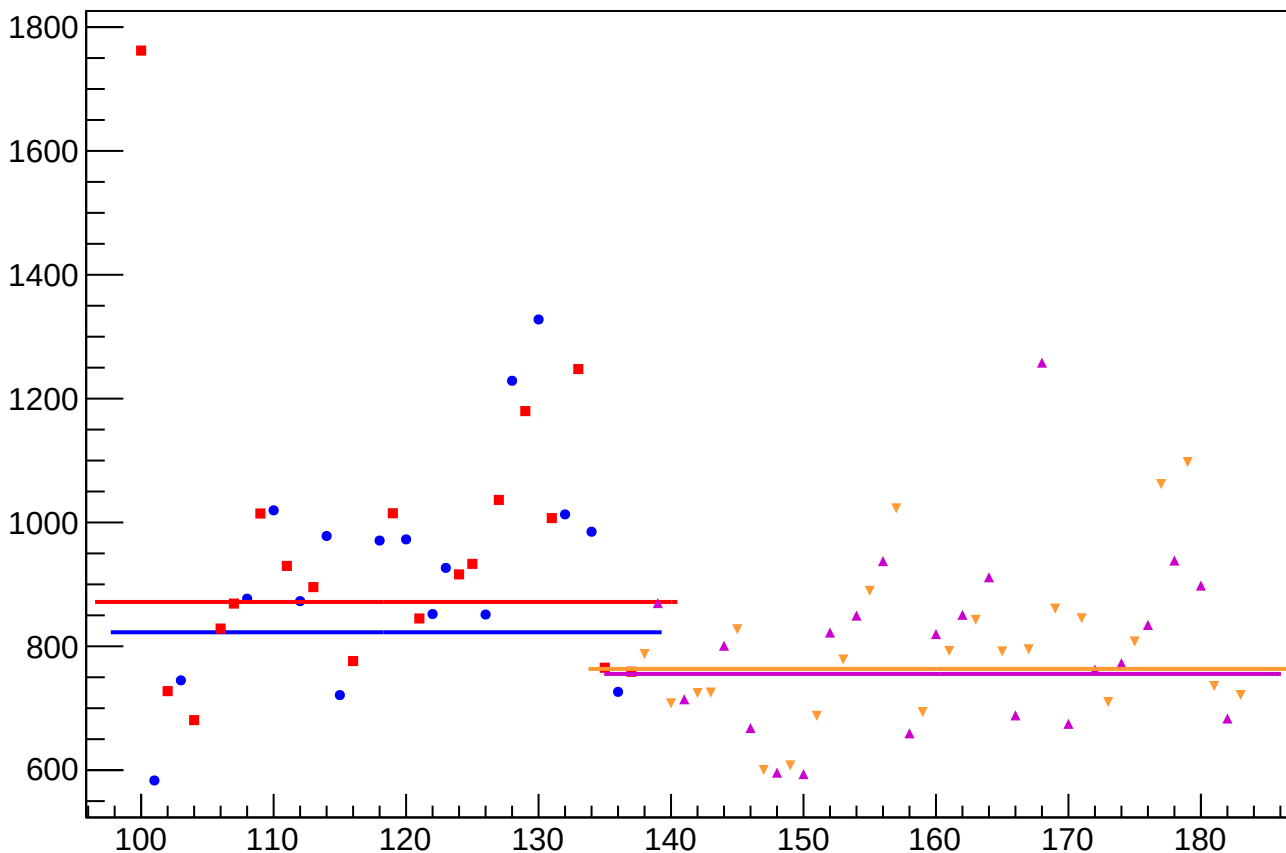
Left In: 7.357 ± 185.251 χ^2/NDF : 20.2/21

+ sign 209.202 ± 159.023 χ^2/NDF : 43.8/40

All: 173.022 ± 113.444 χ^2/NDF : 80.7/81

- sign 135.527 ± 161.884 χ^2/NDF : 36.8/40

asym_right_avg_correction_rms vs Slug



Right In: 822.664 ± 0.232 χ^2/NDF : 606735.8/16

Left Out: 763.487 ± 0.129 χ^2/NDF : 753040.1/23

Right Out: 871.621 ± 0.235 χ^2/NDF : 408427.2/18

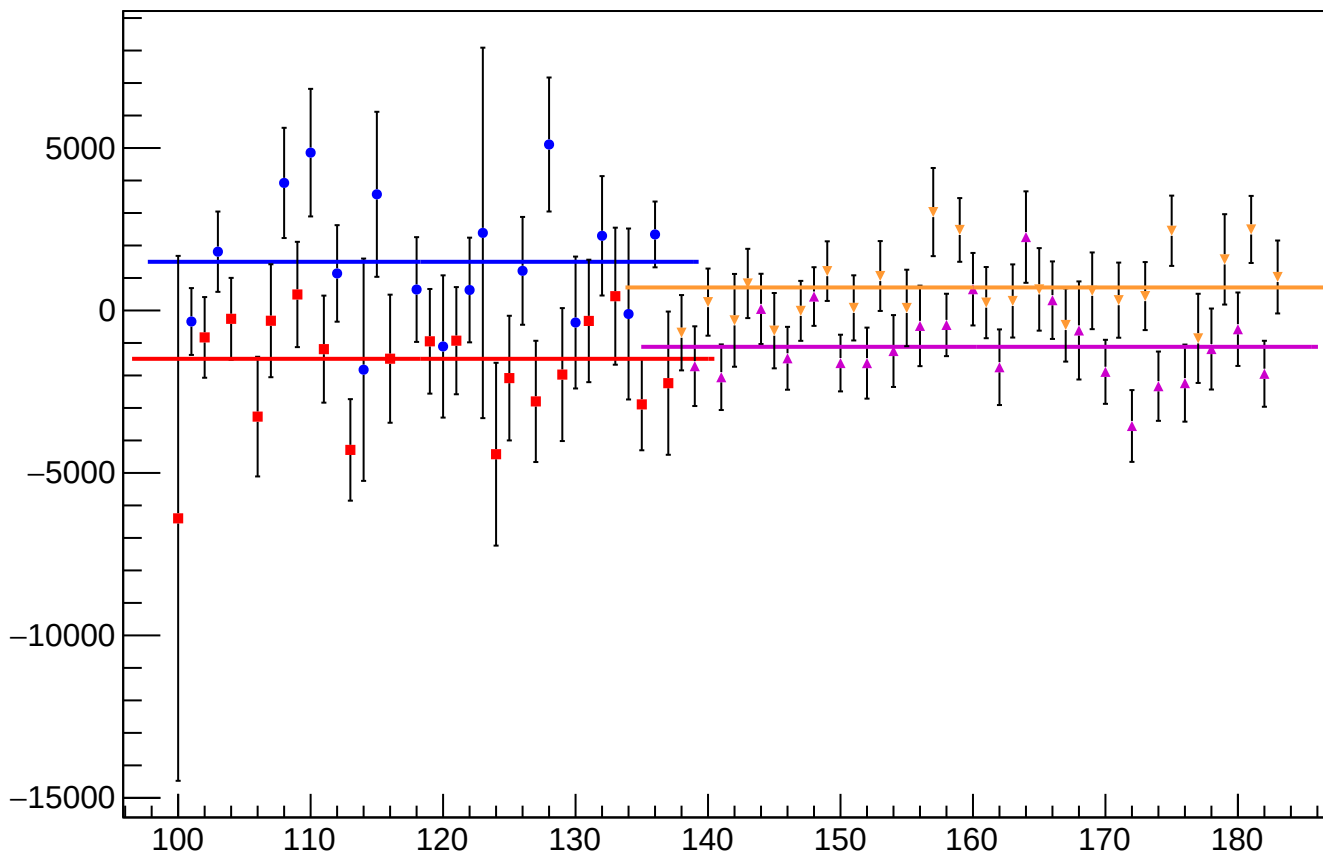
Left In: 755.395 ± 0.131 χ^2/NDF : 926952.3/21

+ sign 777.374 ± 0.112 χ^2/NDF : 1409518.9/40

All: 780.071 ± 0.080 χ^2/NDF : 2932144.7/81

- sign 782.866 ± 0.114 χ^2/NDF : 1521454.5/40

asym_right_avg_mean vs Slug



Right In: 1497.967 ± 402.667 χ^2/NDF : 17.1/16

Left Out: 708.713 ± 227.223 χ^2/NDF : 20.3/23

Right Out: -1487.754 ± 400.718 χ^2/NDF : 12.0/18

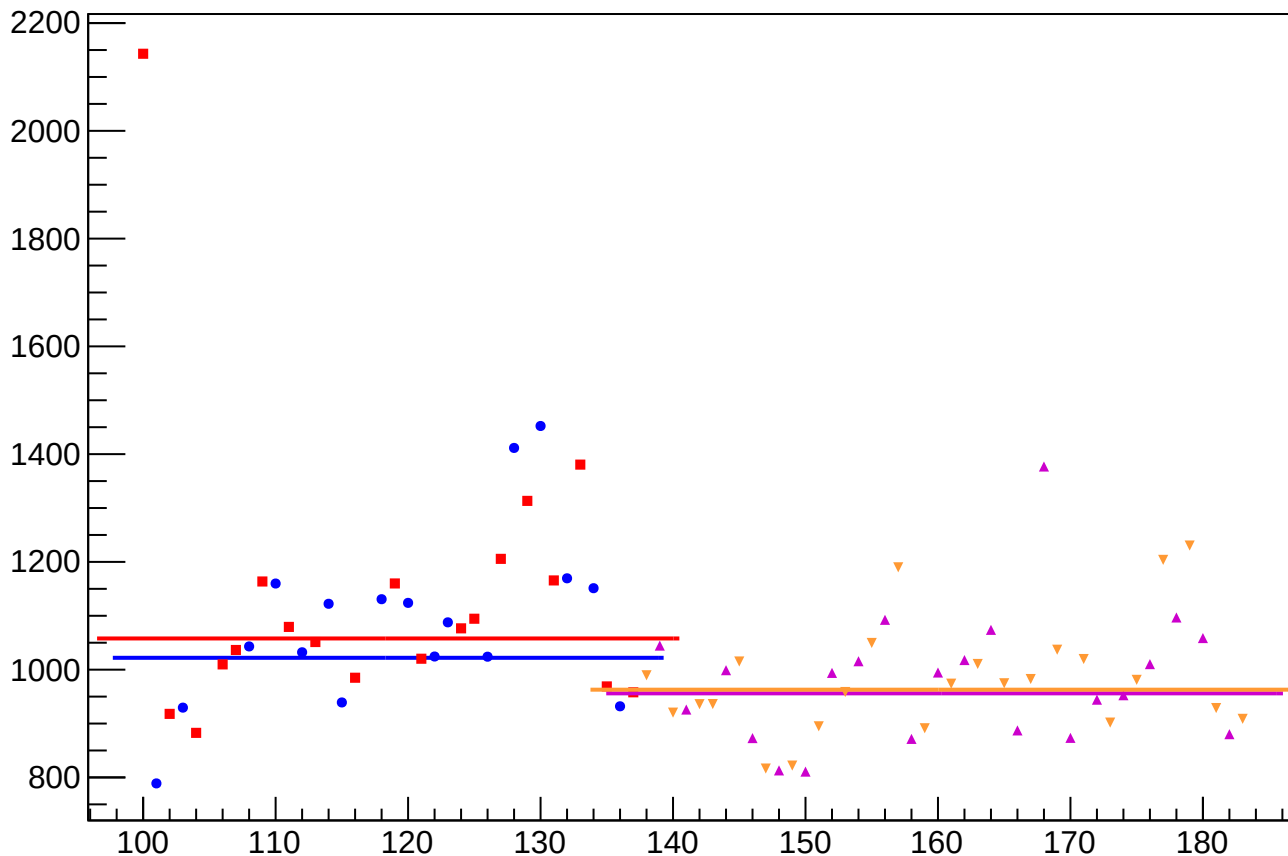
Left In: -1118.665 ± 232.322 χ^2/NDF : 25.3/21

+ sign 899.335 ± 197.890 χ^2/NDF : 40.3/40

All: -139.706 ± 141.011 χ^2/NDF : 134.3/81

- sign -1211.516 ± 200.986 χ^2/NDF : 38.0/40

asym_right_avg_rms vs Slug



Right In: 1022.011 $\pm$ 0.285 χ^2 /NDF: 336507.1/16

Left Out: 962.853 $\pm$ 0.161 χ^2 /NDF: 362002.0/23

Right Out: 1057.901 $\pm$ 0.283 χ^2 /NDF: 232484.1/18

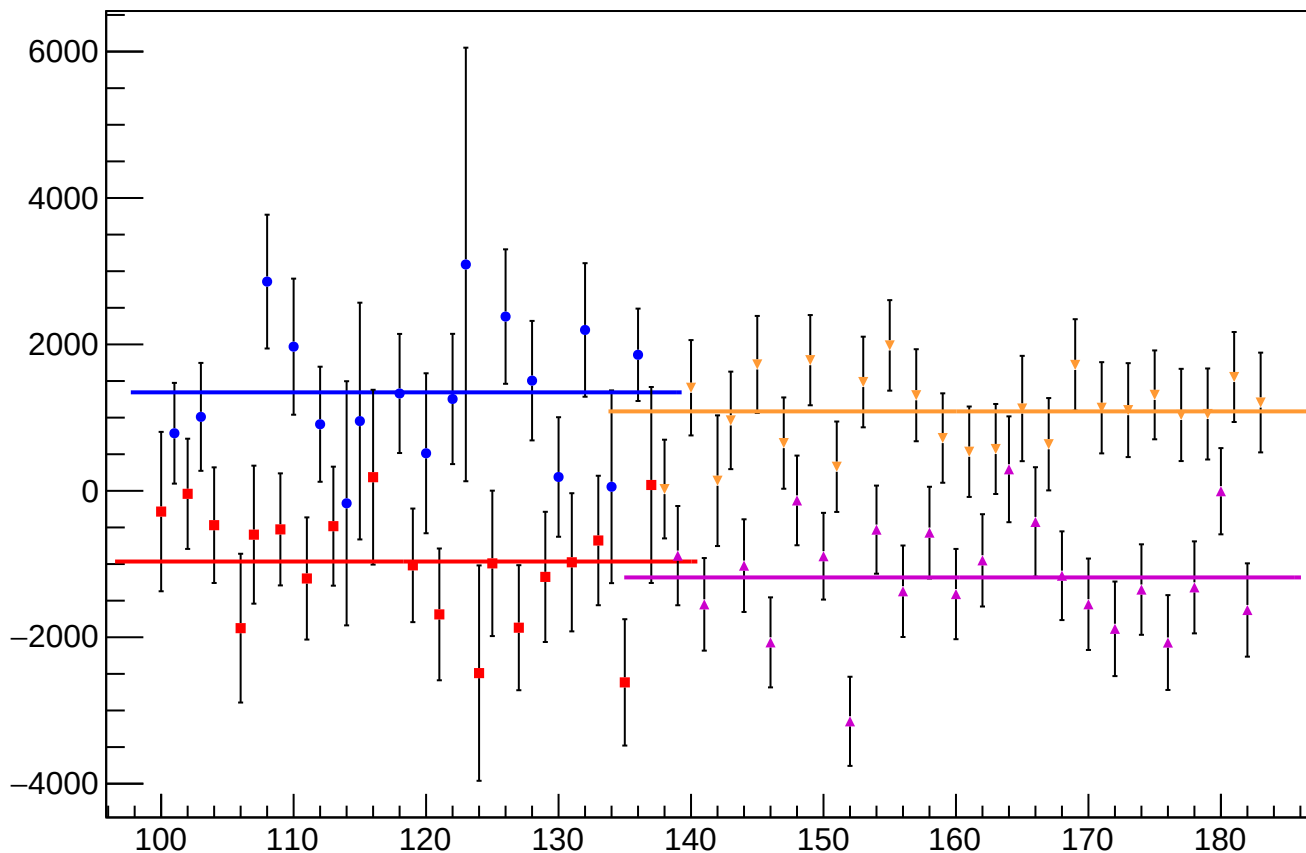
Left In: 956.029 $\pm$ 0.164 χ^2 /NDF: 439712.6/21

+ sign 977.141 $\pm$ 0.140 χ^2 /NDF: 731251.1/40

All: 979.364 $\pm$ 0.100 χ^2 /NDF: 1500701.4/81

- sign 981.657 $\pm$ 0.142 χ^2 /NDF: 768937.7/40

reg_asym_right_dd_mean vs Slug



Right In: 1345.401 $\pm$ 218.855 χ^2 /NDF: 12.0/16

Left Out: 1085.206 $\pm$ 130.718 χ^2 /NDF: 14.9/23

Right Out: -965.438 $\pm$ 208.614 χ^2 /NDF: 12.2/18

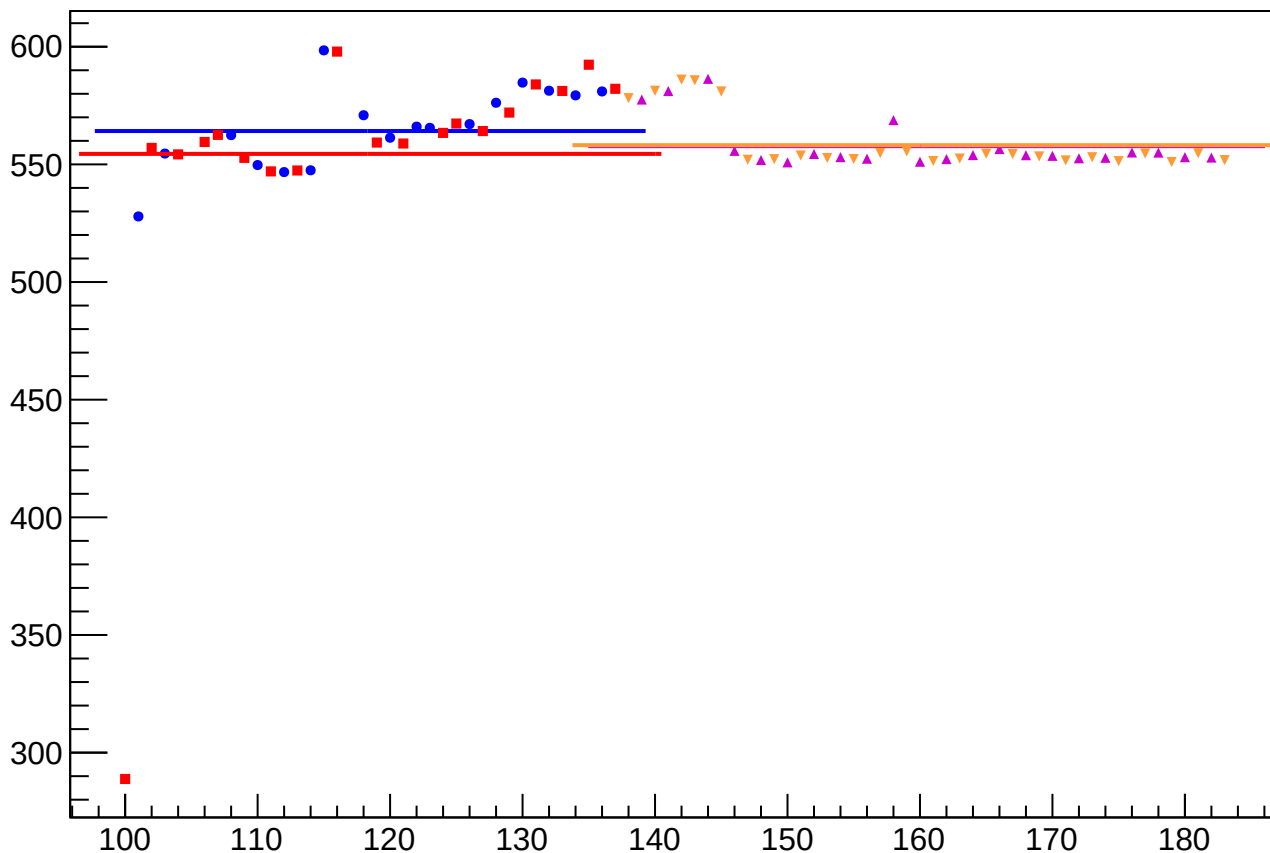
Left In: -1182.620 $\pm$ 134.451 χ^2 /NDF: 32.0/21

+ sign 1153.622 $\pm$ 112.224 χ^2 /NDF: 28.0/40

All: 25.328 $\pm$ 79.632 χ^2 /NDF: 276.5/81

- sign -1118.883 $\pm$ 113.013 χ^2 /NDF: 45.0/40

reg_asym_right_dd_rms vs Slug



Right In: 564.174 $\pm$ 0.155 χ^2 /NDF: 12759.8/16

Left Out: 558.169 $\pm$ 0.092 χ^2 /NDF: 14743.5/23

Right Out: 554.462 $\pm$ 0.148 χ^2 /NDF: 132390.5/18

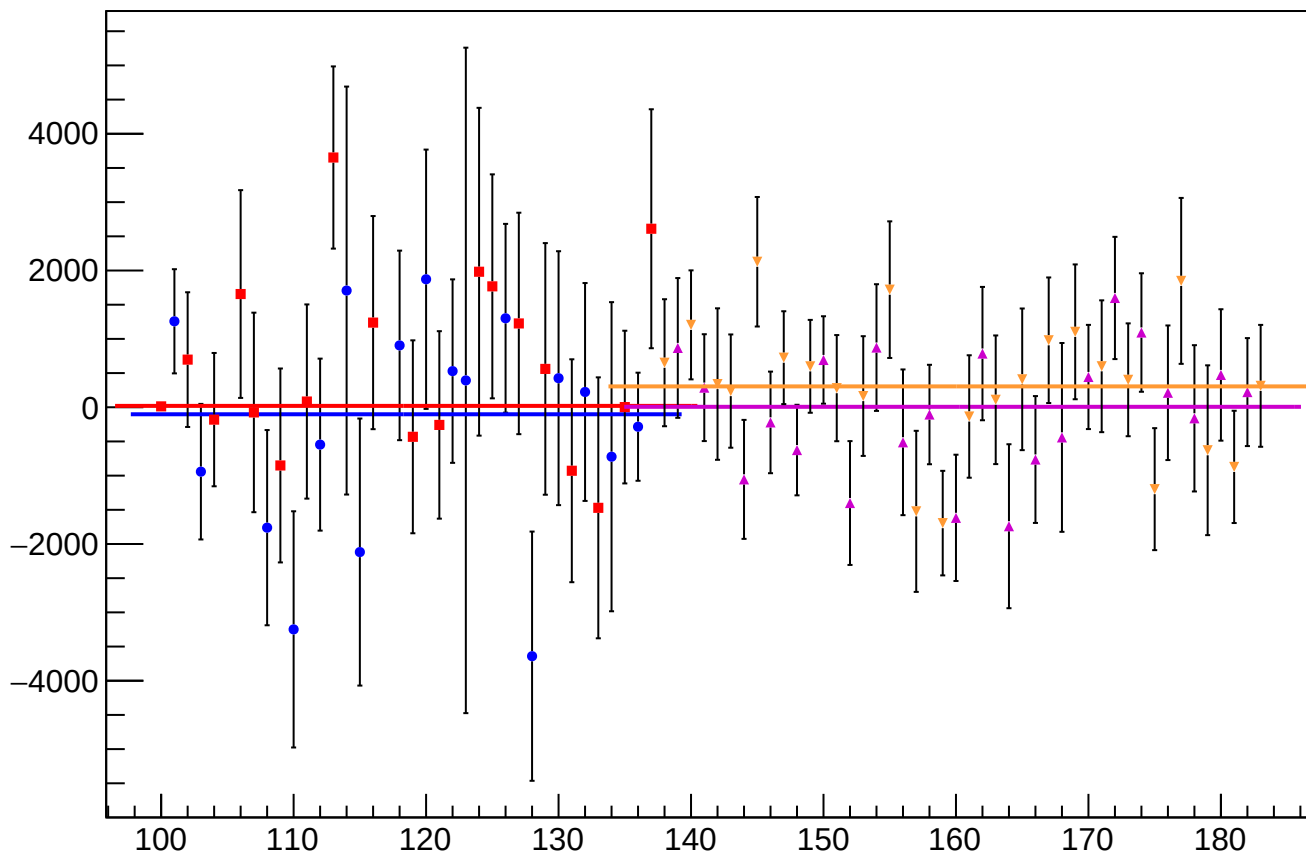
Left In: 557.737 $\pm$ 0.095 χ^2 /NDF: 11146.9/21

+ sign 559.748 $\pm$ 0.079 χ^2 /NDF: 28613.3/40

All: 558.272 $\pm$ 0.056 χ^2 /NDF: 173195.2/81

- sign 556.776 $\pm$ 0.080 χ^2 /NDF: 143885.6/40

asym_right_dd_correction_mean vs Slug



Right In: -102.542 ± 328.366 χ^2/NDF : 17.0/16

Left Out: 305.223 ± 181.831 χ^2/NDF : 25.7/23

Right Out: 20.080 ± 38.955 χ^2/NDF : 15.9/18

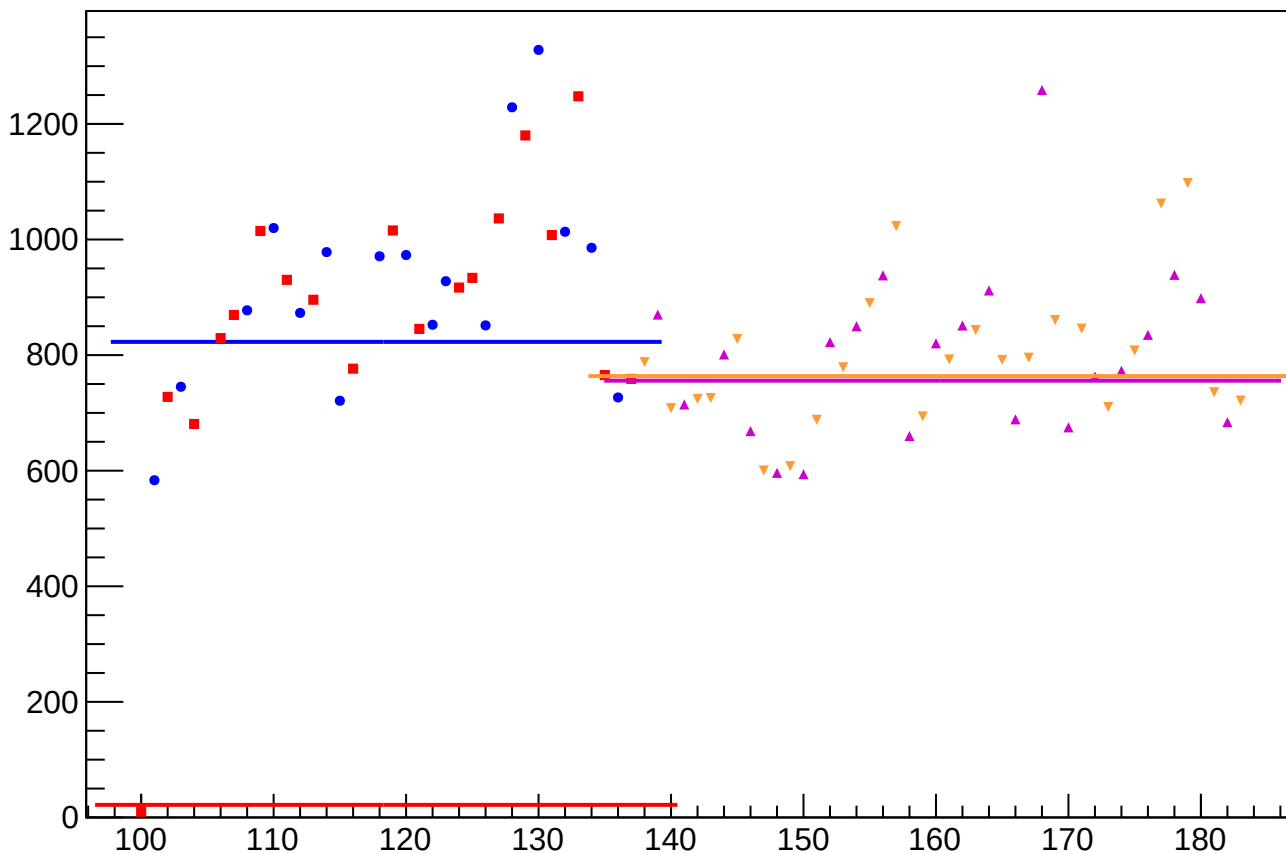
Left In: 6.541 ± 185.344 χ^2/NDF : 20.1/21

+ sign 209.531 ± 159.071 χ^2/NDF : 43.9/40

All: 29.828 ± 37.072 χ^2/NDF : 81.2/81

- sign 19.507 ± 38.122 χ^2/NDF : 36.0/40

asym_right_dd_correction_rms vs Slug



Right In: 822.915 $\pm$ 0.232 χ^2 /NDF: 606659.4/16

Left Out: 763.706 $\pm$ 0.129 χ^2 /NDF: 753077.9/23

Right Out: 21.771 $\pm$ 0.028 χ^2 /NDF: 13478158.3/18

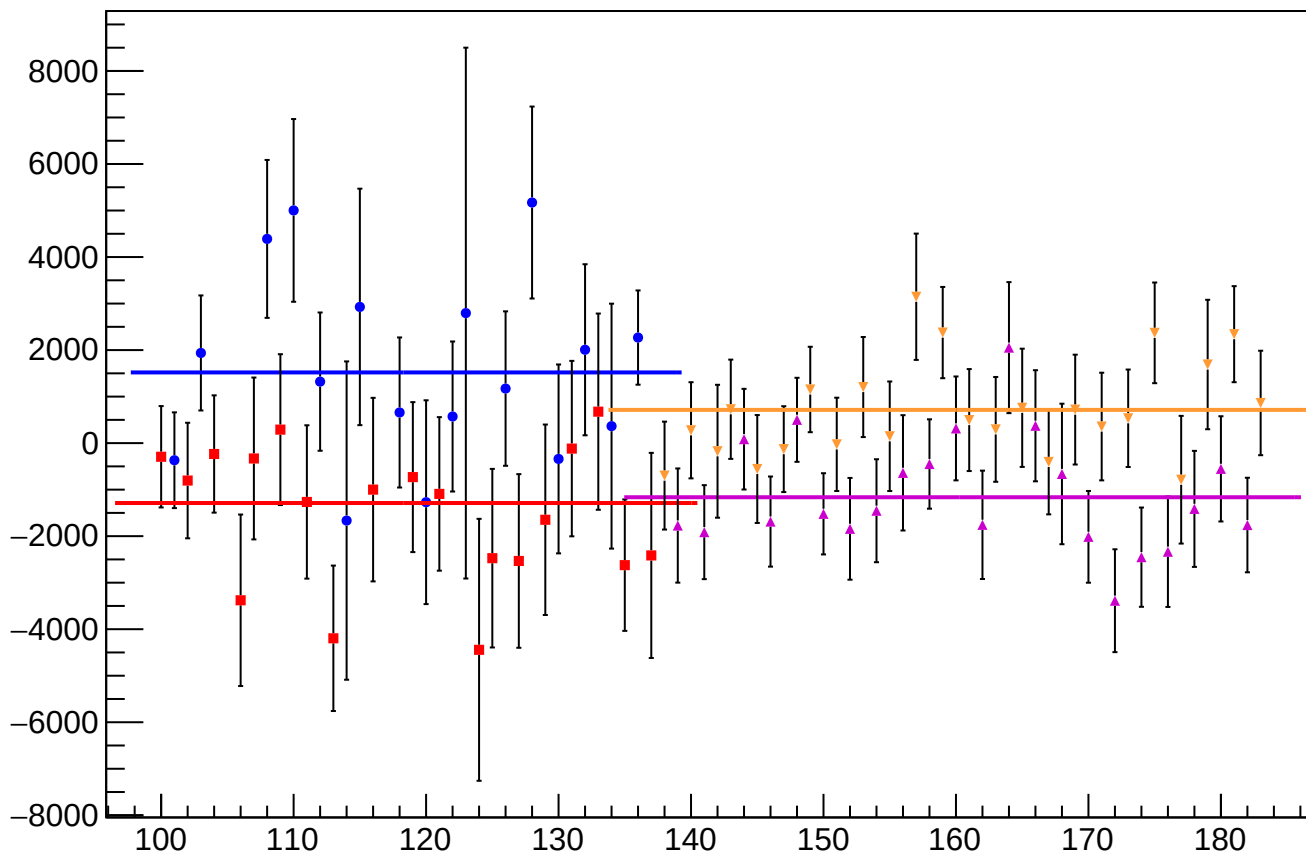
Left In: 755.785 $\pm$ 0.131 χ^2 /NDF: 926625.0/21

+ sign 777.601 $\pm$ 0.112 χ^2 /NDF: 1409502.9/40

All: 92.190 $\pm$ 0.026 χ^2 /NDF: 85119489.4/81

- sign 52.824 $\pm$ 0.027 χ^2 /NDF: 44445268.4/40

asym_right_dd_mean vs Slug



Right In: 1519.485 $\pm$ 402.890 χ^2 /NDF: 17.8/16

Left Out: 714.532 $\pm$ 227.346 χ^2 /NDF: 19.2/23

Right Out: -1287.537 $\pm$ 376.679 χ^2 /NDF: 12.4/18

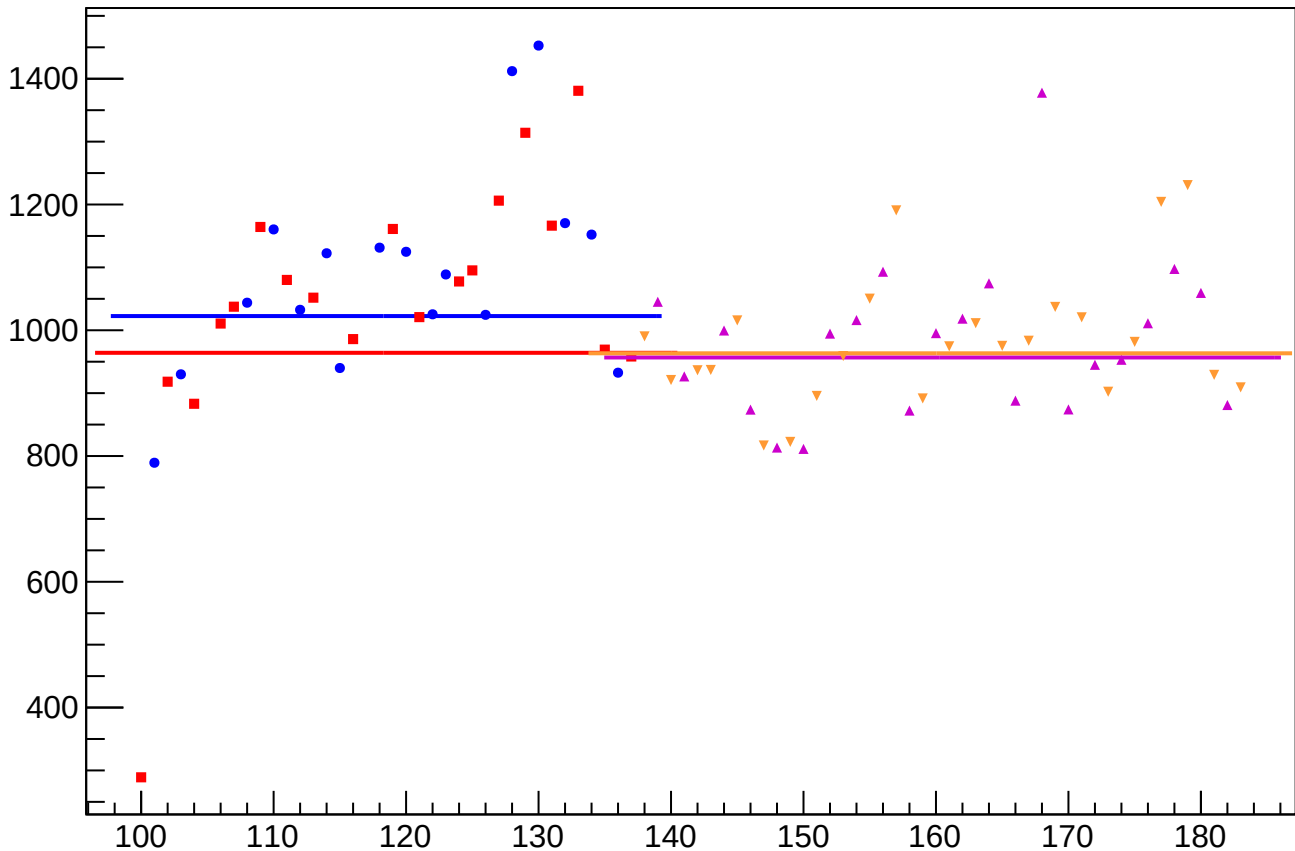
Left In: -1163.288 $\pm$ 232.488 χ^2 /NDF: 24.1/21

+ sign 908.942 $\pm$ 197.998 χ^2 /NDF: 40.0/40

All: -145.155 $\pm$ 139.950 χ^2 /NDF: 133.2/81

- sign -1197.563 $\pm$ 197.839 χ^2 /NDF: 36.5/40

asym_right_dd_rms vs Slug



Right In: 1022.583+/-0.285 χ^2/NDF : 336434.0/16

Left Out: 963.373+/-0.161 χ^2/NDF : 361907.9/23

+ sign 977.673+/-0.140 χ^2/NDF : 731105.6/40

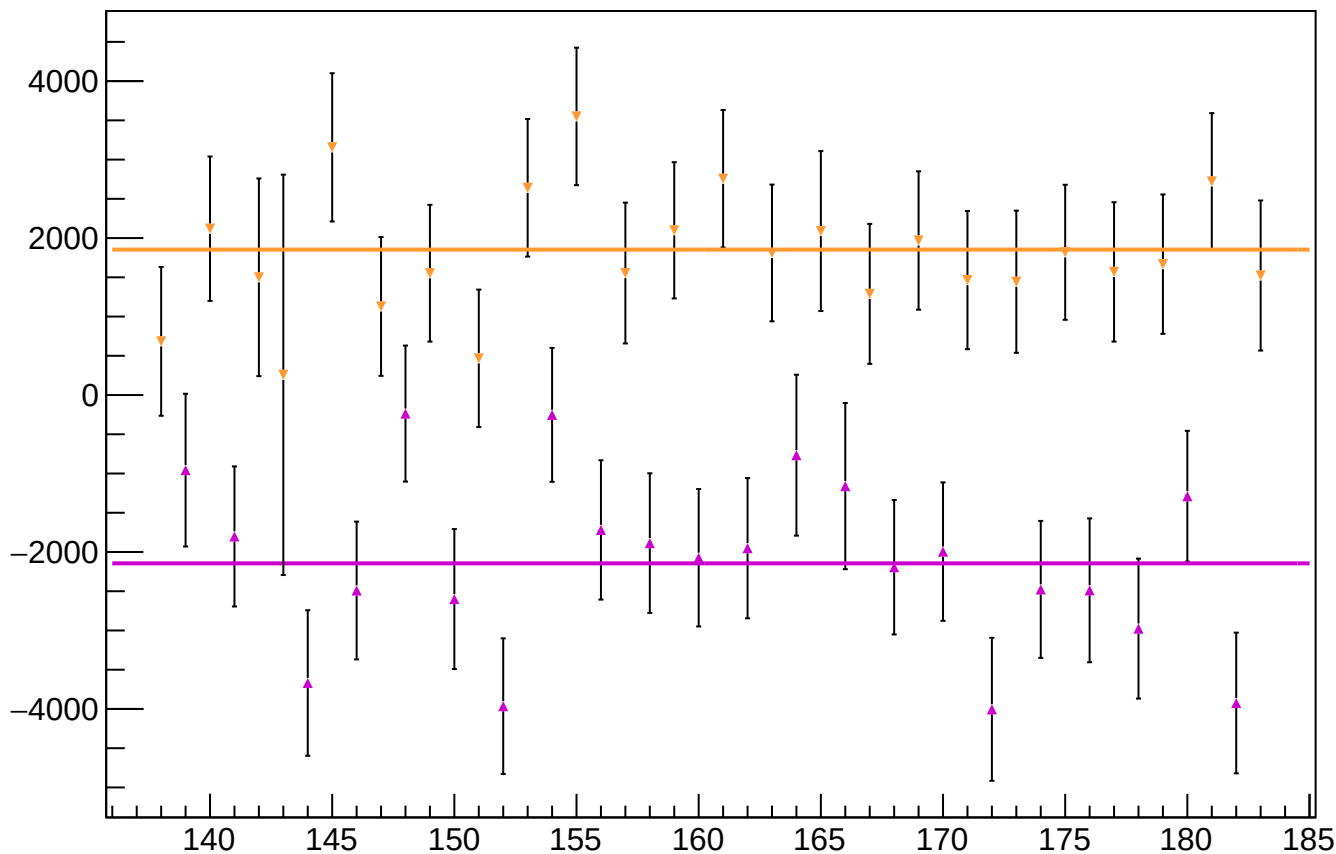
Right Out: 964.149+/-0.266 χ^2/NDF : 1068768.6/18

All: 968.214+/-0.099 χ^2/NDF : 2248923.5/81

- sign 958.771+/-0.140 χ^2/NDF : 1508696.6/40

Left In: 956.722+/-0.164 χ^2/NDF : 439364.9/21

cor_asym_us_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1852.983+/-188.280 χ^2/NDF :15.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

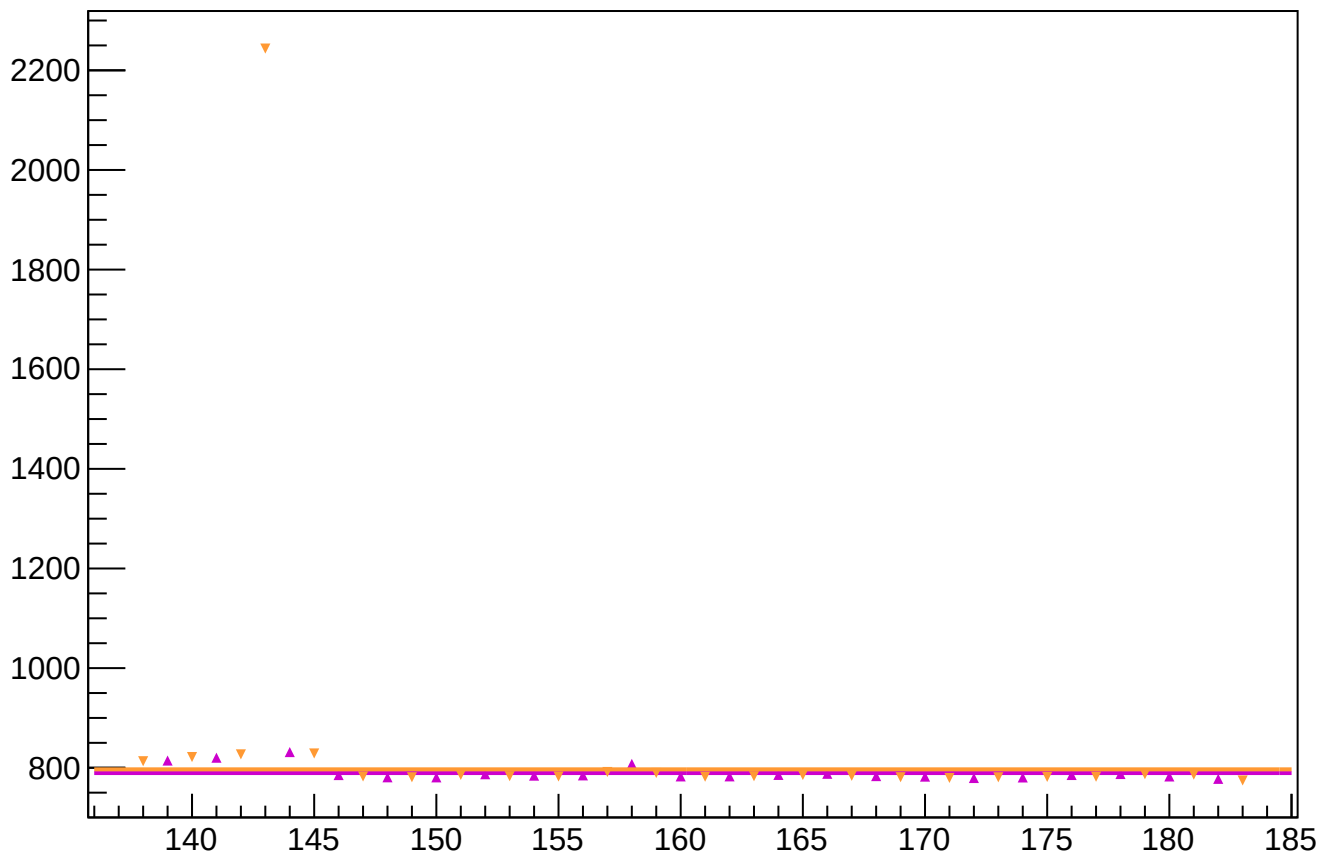
Left In: -2144.910+/-191.373 χ^2/NDF :32.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -113.396+/-134.214 χ^2/NDF : 269.3/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 796.819+/-0.133 χ^2/NDF : 658255.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

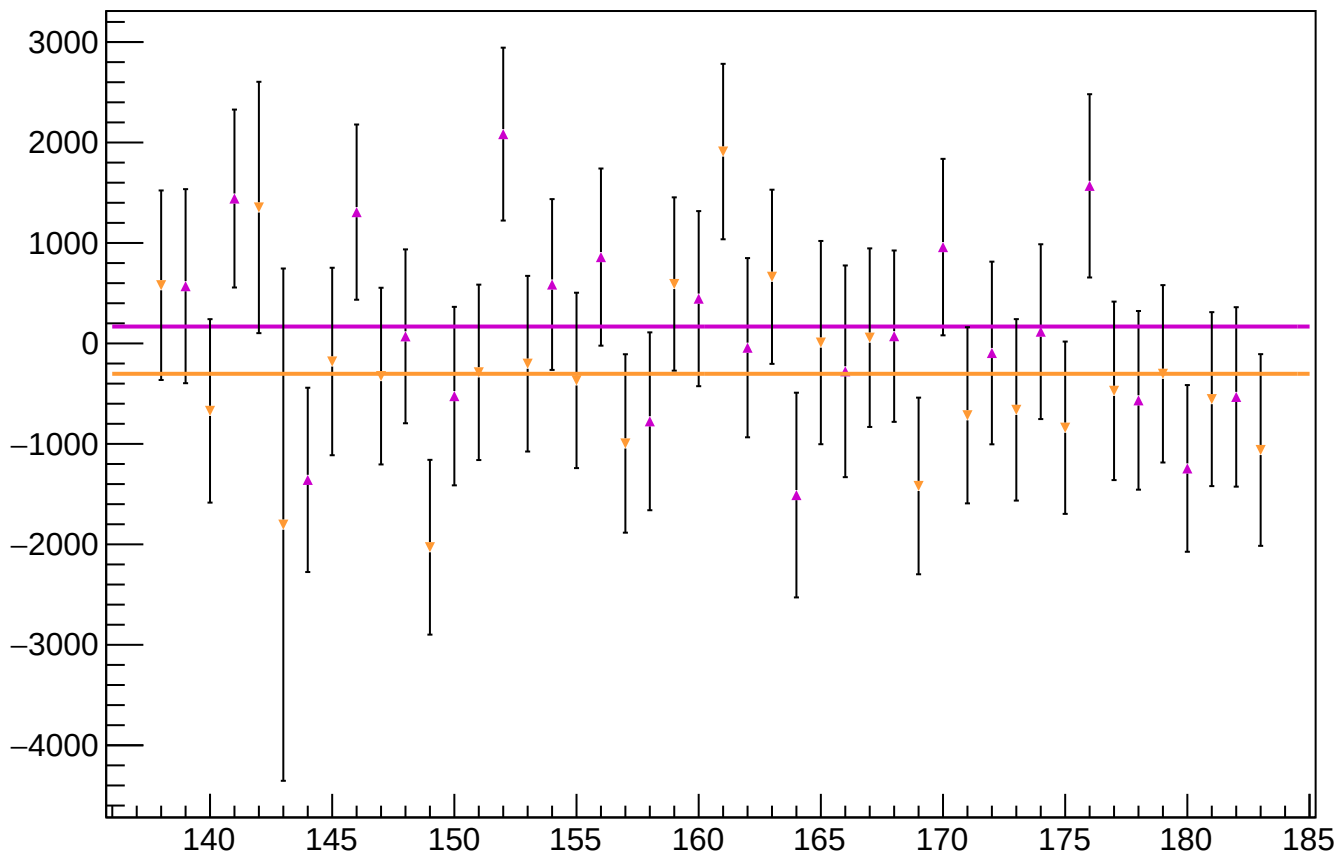
Left In: 789.361+/-0.135 χ^2/NDF : 10714.5/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 793.151+/-0.095 χ^2/NDF : 670513.2/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -302.267 $\pm$ 187.404 χ^2 /NDF:19.9/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

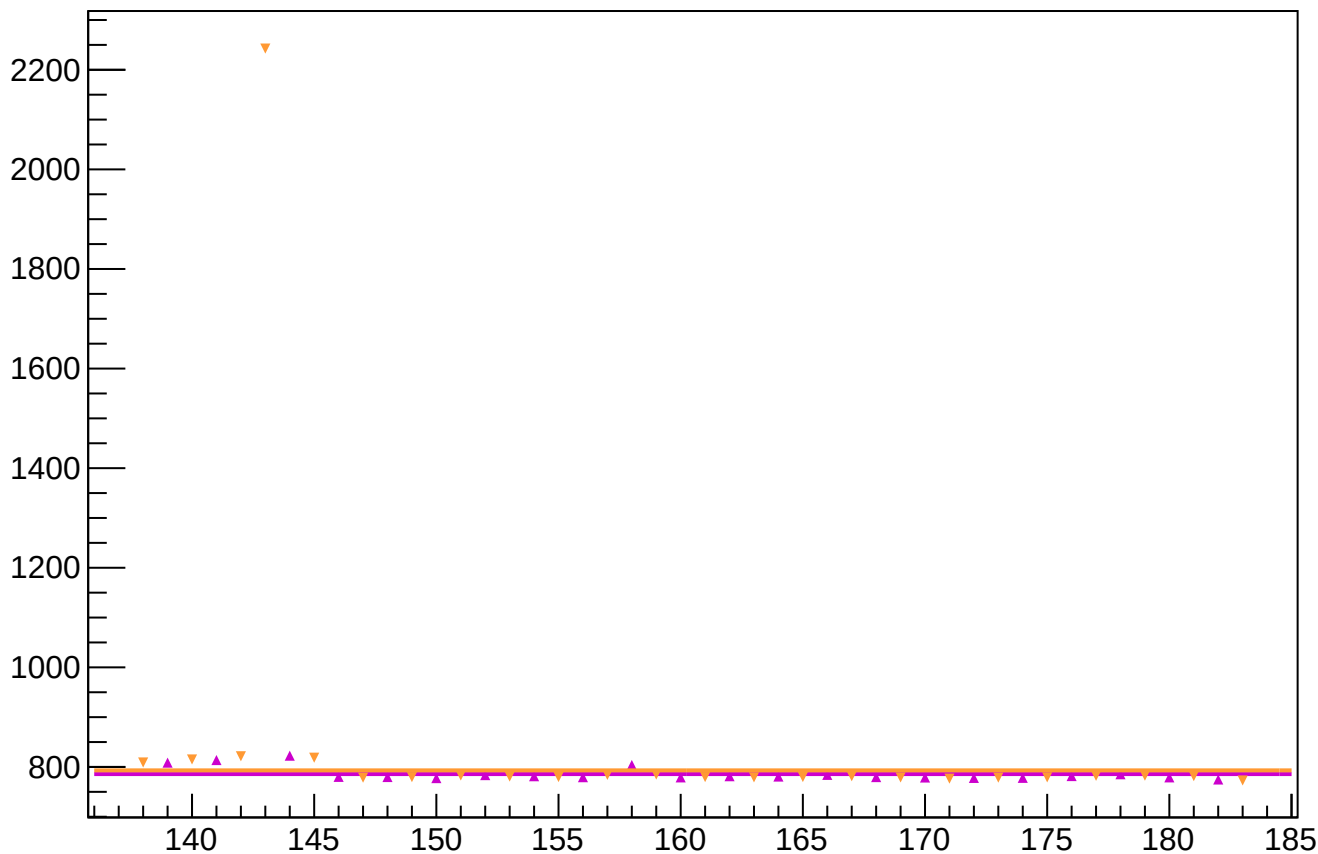
Left In: 168.078 $\pm$ 190.477 χ^2 /NDF:24.8/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -70.920 $\pm$ 133.588 χ^2 /NDF: 47.7/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

cor_asym_us_dd_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 793.133 ± 0.133 χ^2/NDF : 659099.5/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

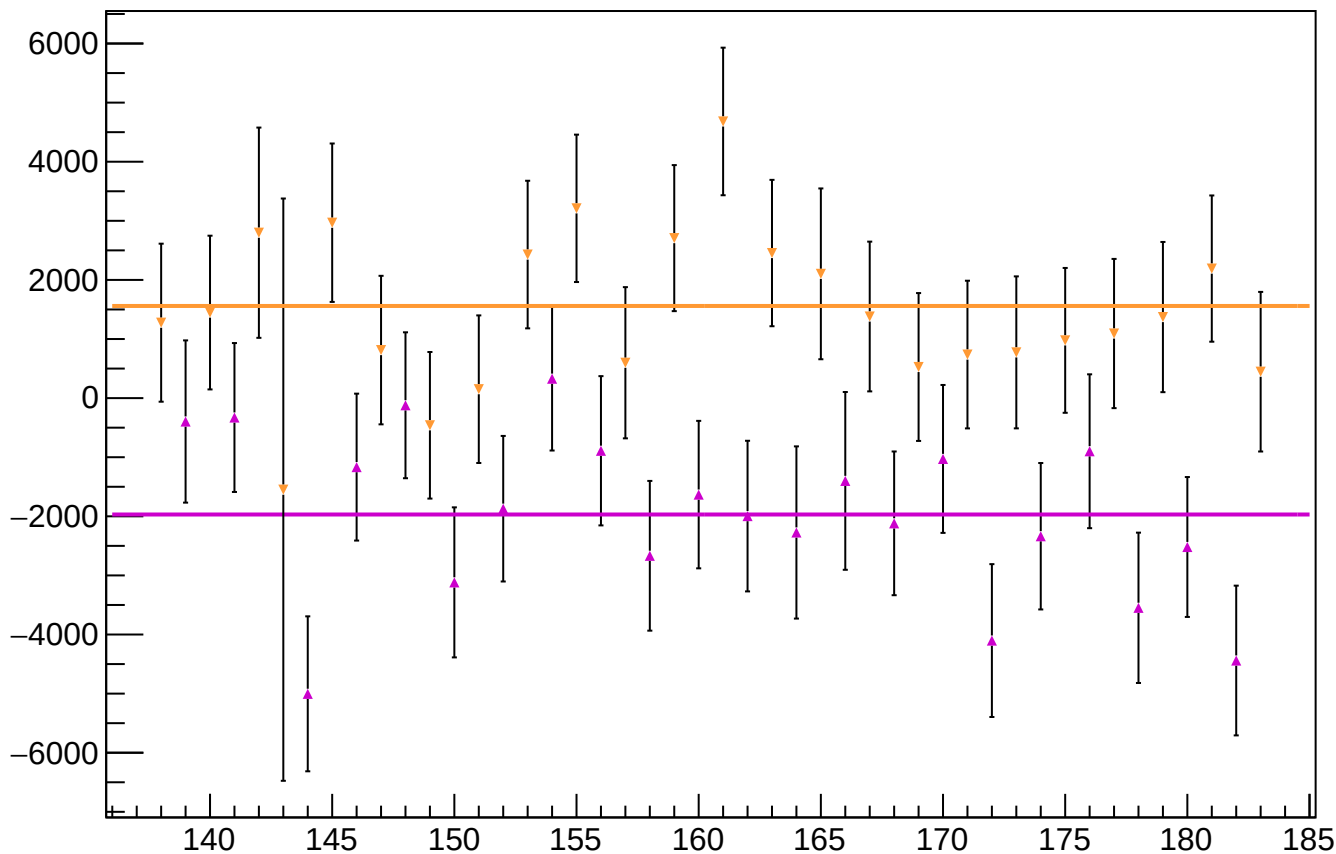
Left In: 785.699 ± 0.135 χ^2/NDF : 8950.7/21

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: 789.477 ± 0.094 χ^2/NDF : 669598.1/45

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

cor_asym_usl_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1559.348+/-267.890 χ^2/NDF : 19.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

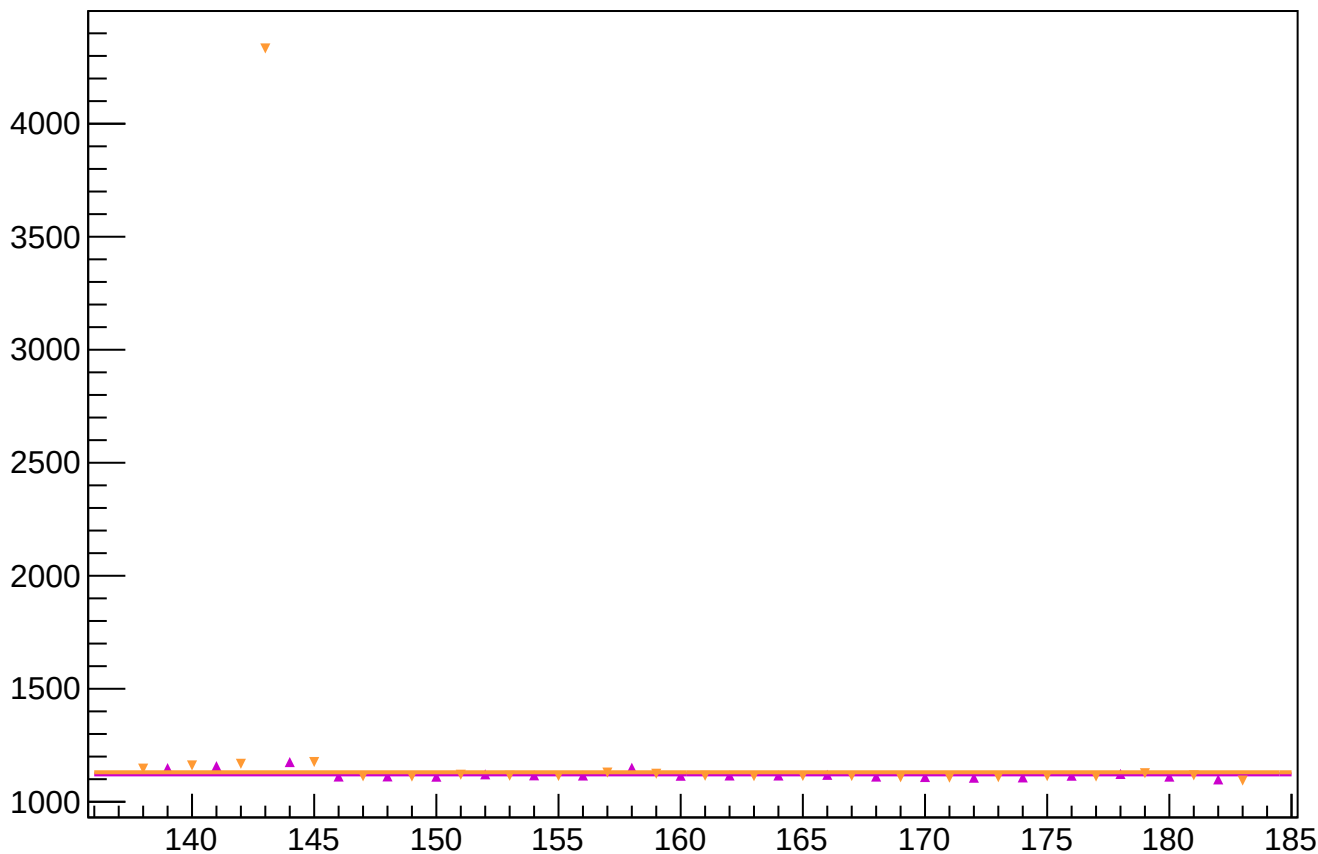
Left In: -1969.226+/-271.823 χ^2/NDF : 26.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -179.224+/-190.802 χ^2/NDF : 131.6/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usl_rms vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: 1130.601+/-0.189 χ^2 /NDF:857442.4/23

Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

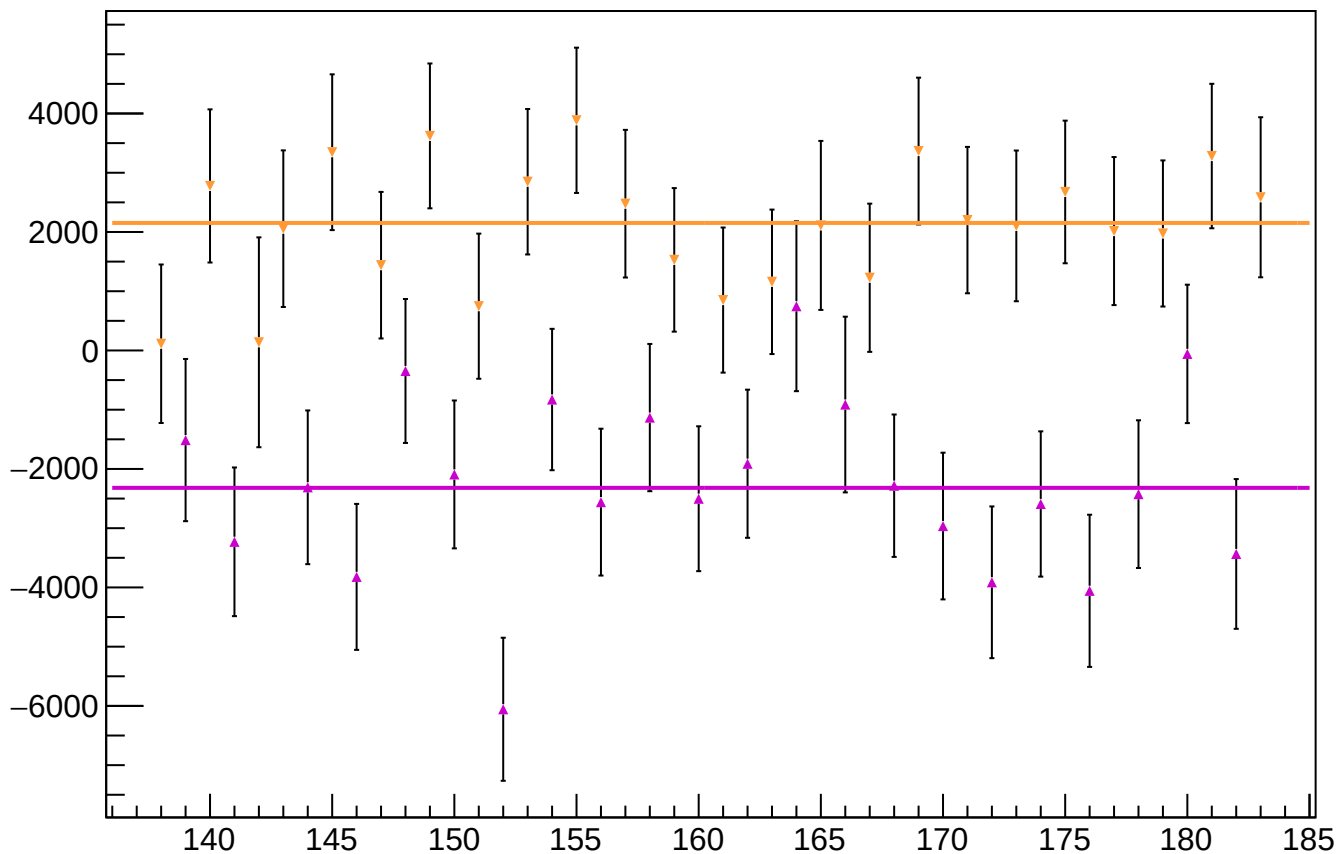
Left In: 1121.232+/-0.192 χ^2 /NDF:9122.5/21

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 1125.985+/-0.135 χ^2 /NDF: 867770.2/45

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

cor_asym_usr_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 2152.835+/-259.304 χ^2/NDF :14.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

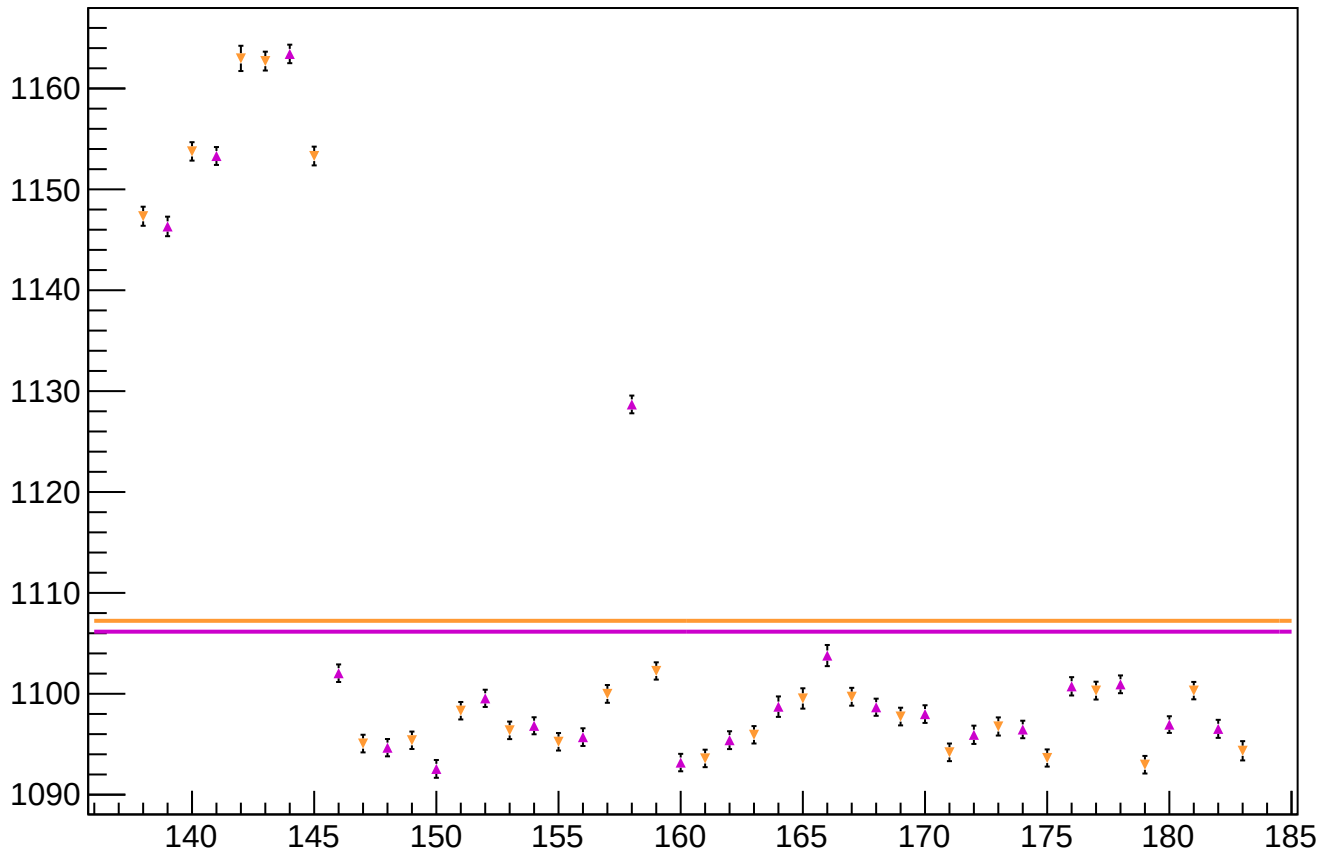
Left In: -2319.127+/-268.176 χ^2/NDF :31.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -7.955+/-186.413 χ^2/NDF : 189.6/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usr_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1107.232+/-0.183 χ^2/NDF : 15141.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

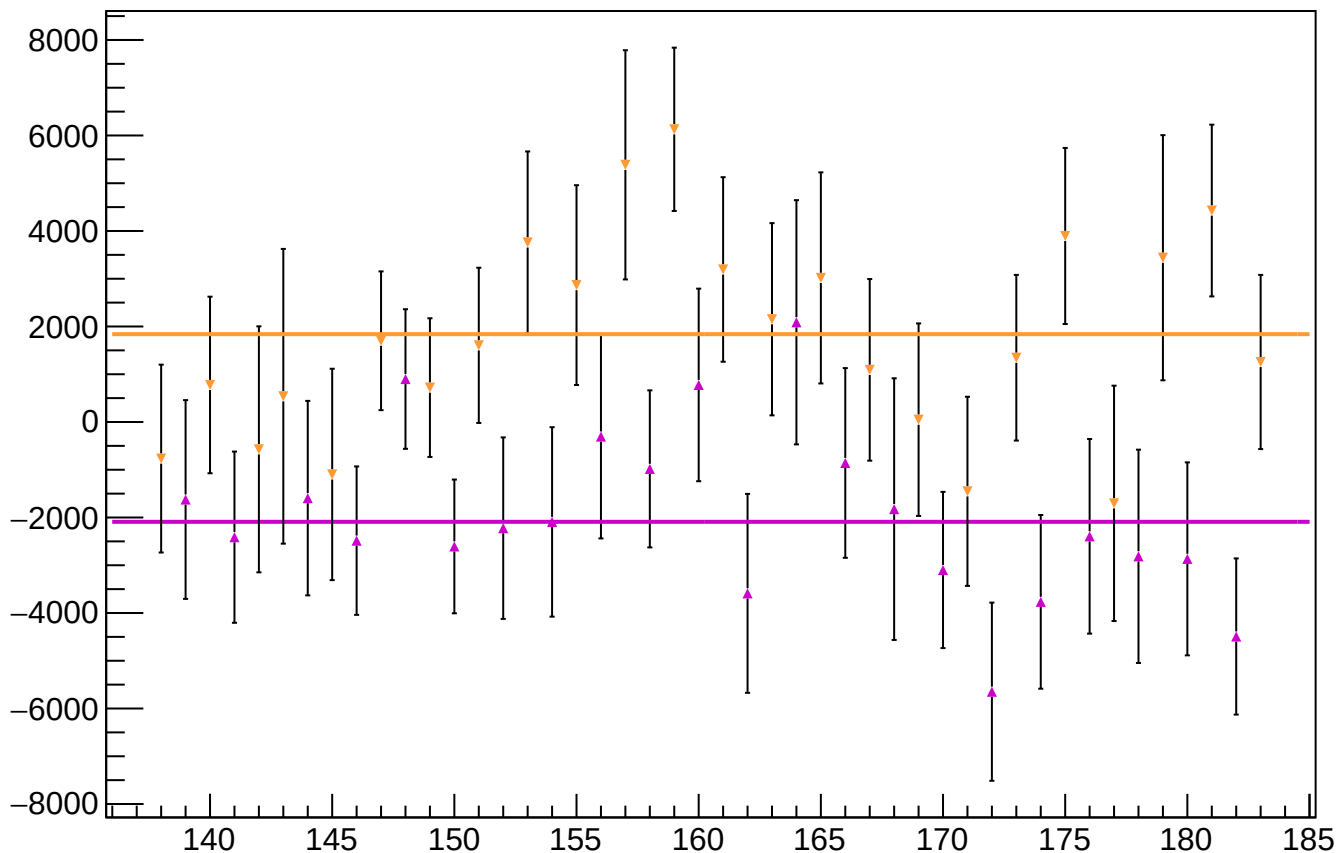
Left In: 1106.156+/-0.190 χ^2/NDF : 11023.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1106.712+/-0.132 χ^2/NDF : 26181.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1838.957+/-395.071 χ^2/NDF :25.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

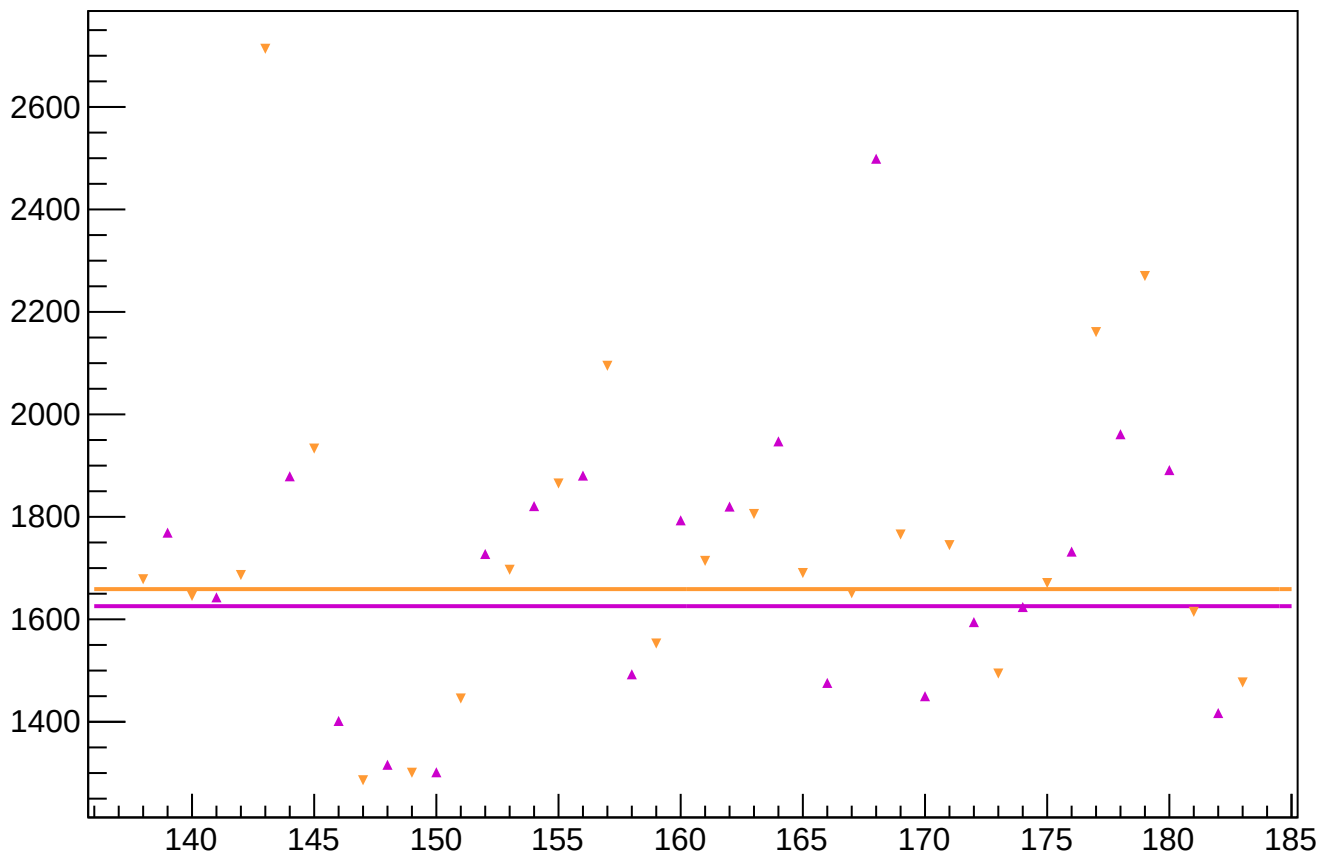
Left In: -2090.283+/-397.317 χ^2/NDF :18.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -114.525+/-280.148 χ^2/NDF : 93.5/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 1658.982 $\pm$ 0.279 χ^2/NDF : 904421.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

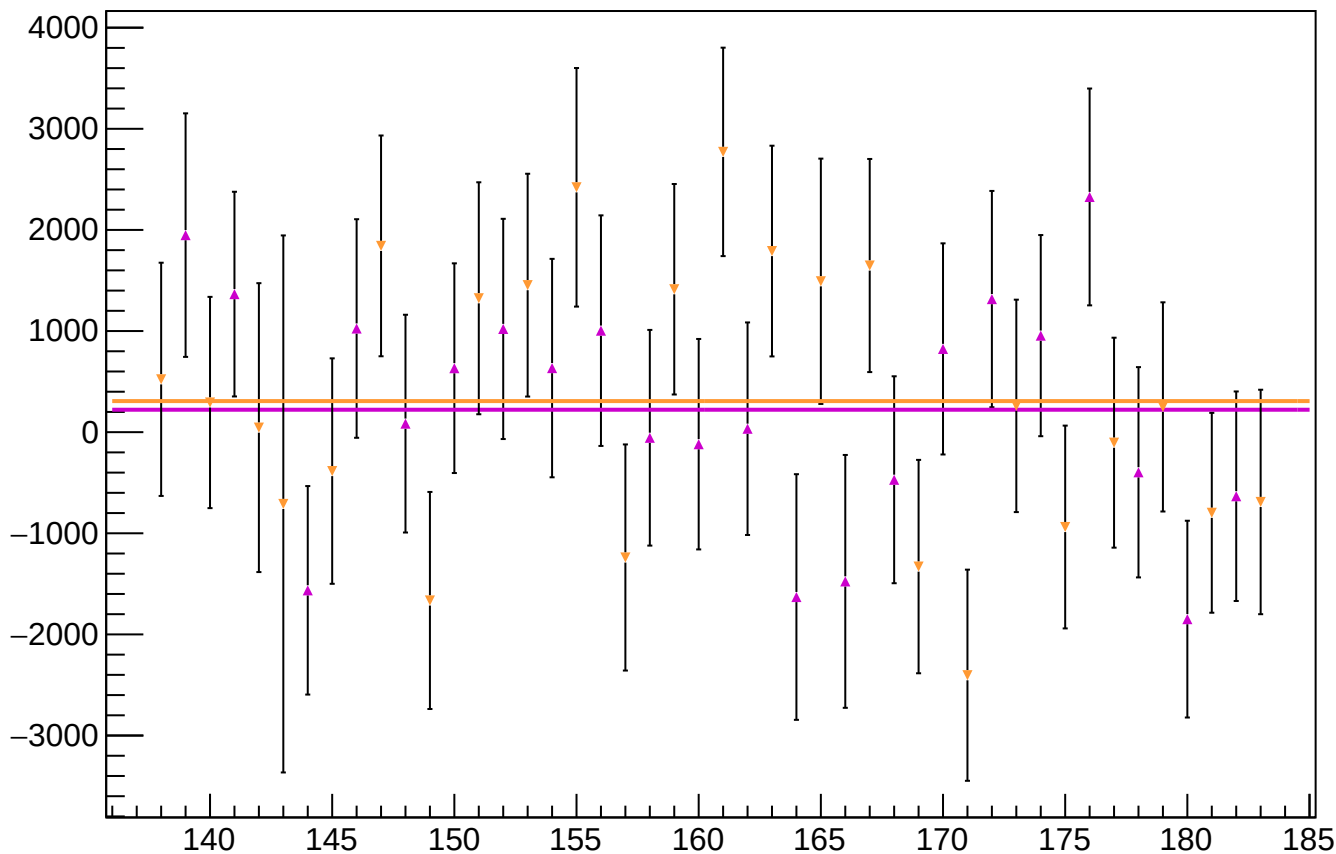
Left In: 1625.694 $\pm$ 0.281 χ^2/NDF : 764595.8/21

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: 1642.432 $\pm$ 0.198 χ^2/NDF : 1676076.5/45

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 307.326 $\pm$ 225.325 χ^2 /NDF:37.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

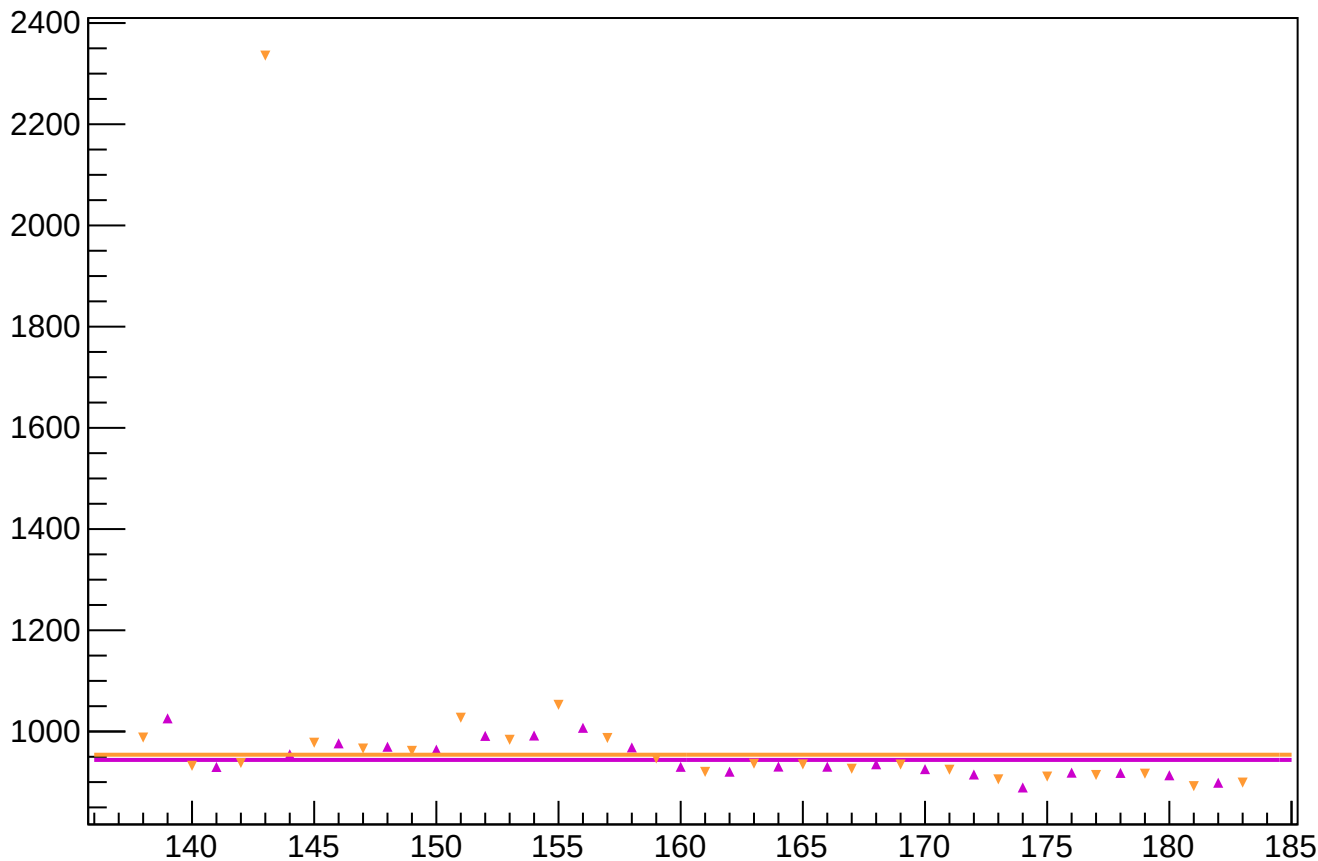
Left In: 221.809 $\pm$ 227.676 χ^2 /NDF:24.4/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 265.011 $\pm$ 160.154 χ^2 /NDF: 61.8/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_us_agg_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 954.110+/-0.159 χ^2/NDF : 604252.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

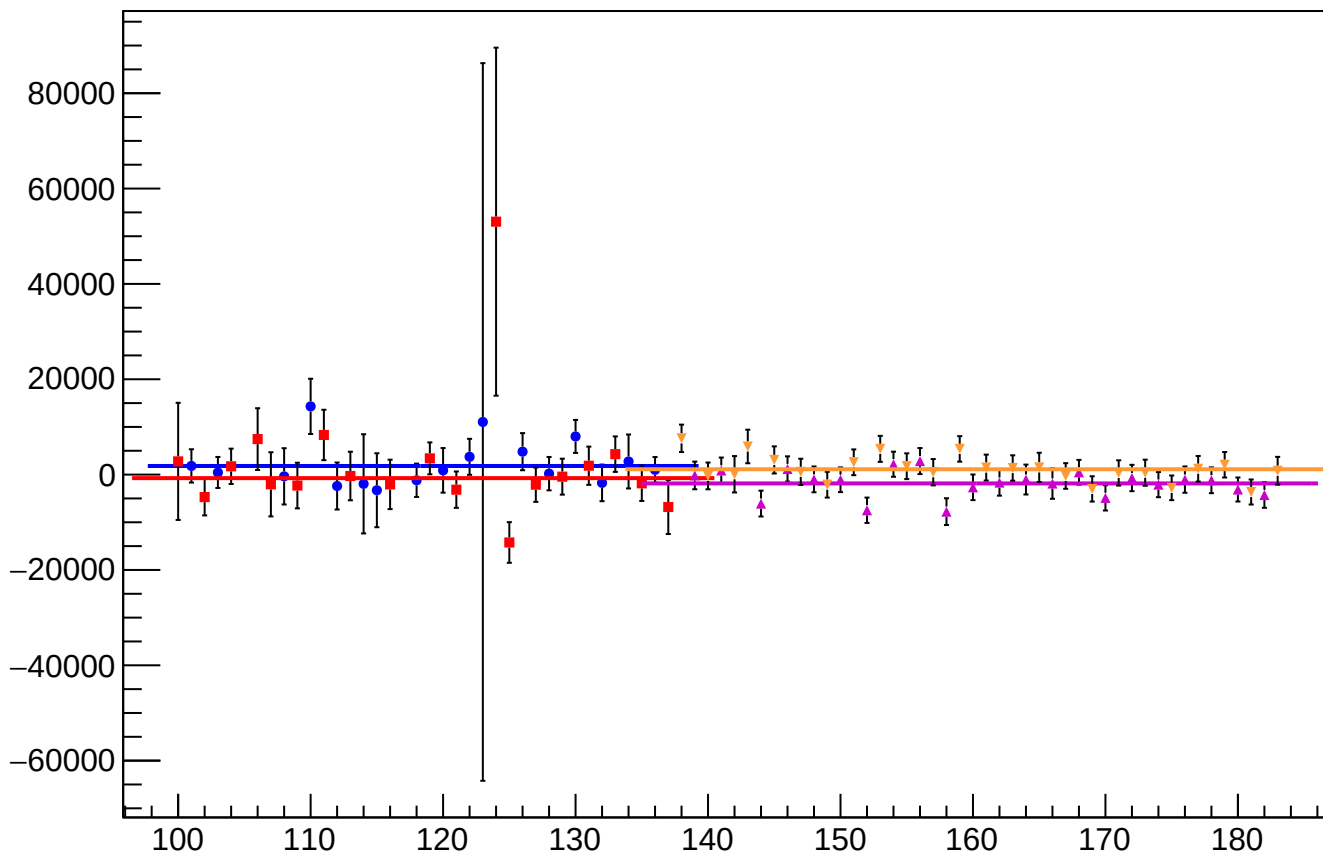
Left In: 943.804+/-0.161 χ^2/NDF : 46765.2/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 949.011+/-0.113 χ^2/NDF : 653088.3/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_mean vs Slug



Right In: 1807.995 $\pm$ 1015.862 χ^2 /NDF: 12.3/16

Left Out: 1120.990 $\pm$ 568.096 χ^2 /NDF: 23.2/23

Right Out: -739.633 $\pm$ 1026.876 χ^2 /NDF: 24.1/18

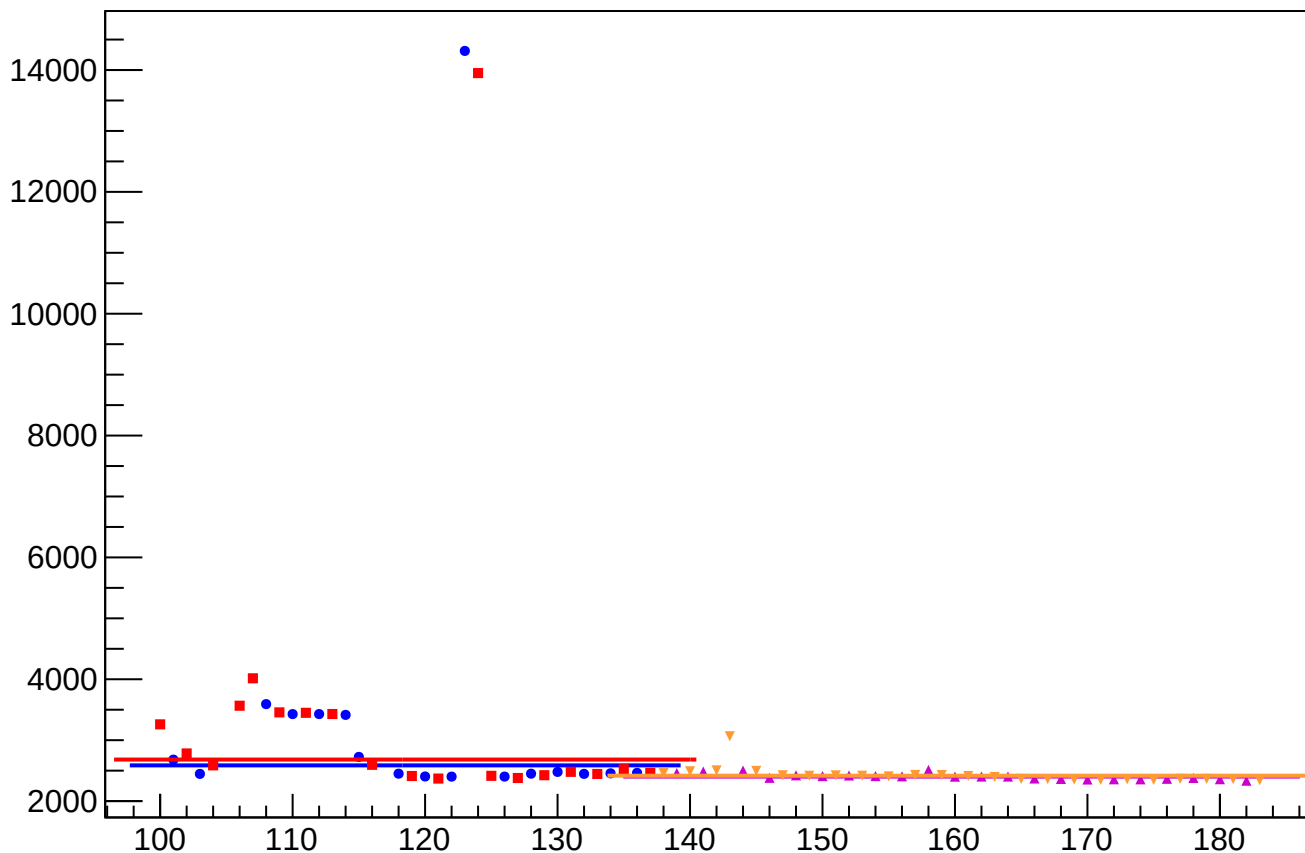
Left In: -1848.386 $\pm$ 580.828 χ^2 /NDF: 23.2/21

+ sign 1284.655 $\pm$ 495.831 χ^2 /NDF: 35.8/40

All: -119.672 $\pm$ 353.995 χ^2 /NDF: 100.3/81

- sign -1579.640 $\pm$ 505.558 χ^2 /NDF: 48.2/40

reg_asym_atl1_rms vs Slug



Right In: 2586.401+/-0.718 χ^2/NDF : 253848.4/16

Left Out: 2417.057+/-0.402 χ^2/NDF : 82170.9/23

Right Out: 2682.004+/-0.726 χ^2/NDF : 529065.5/18

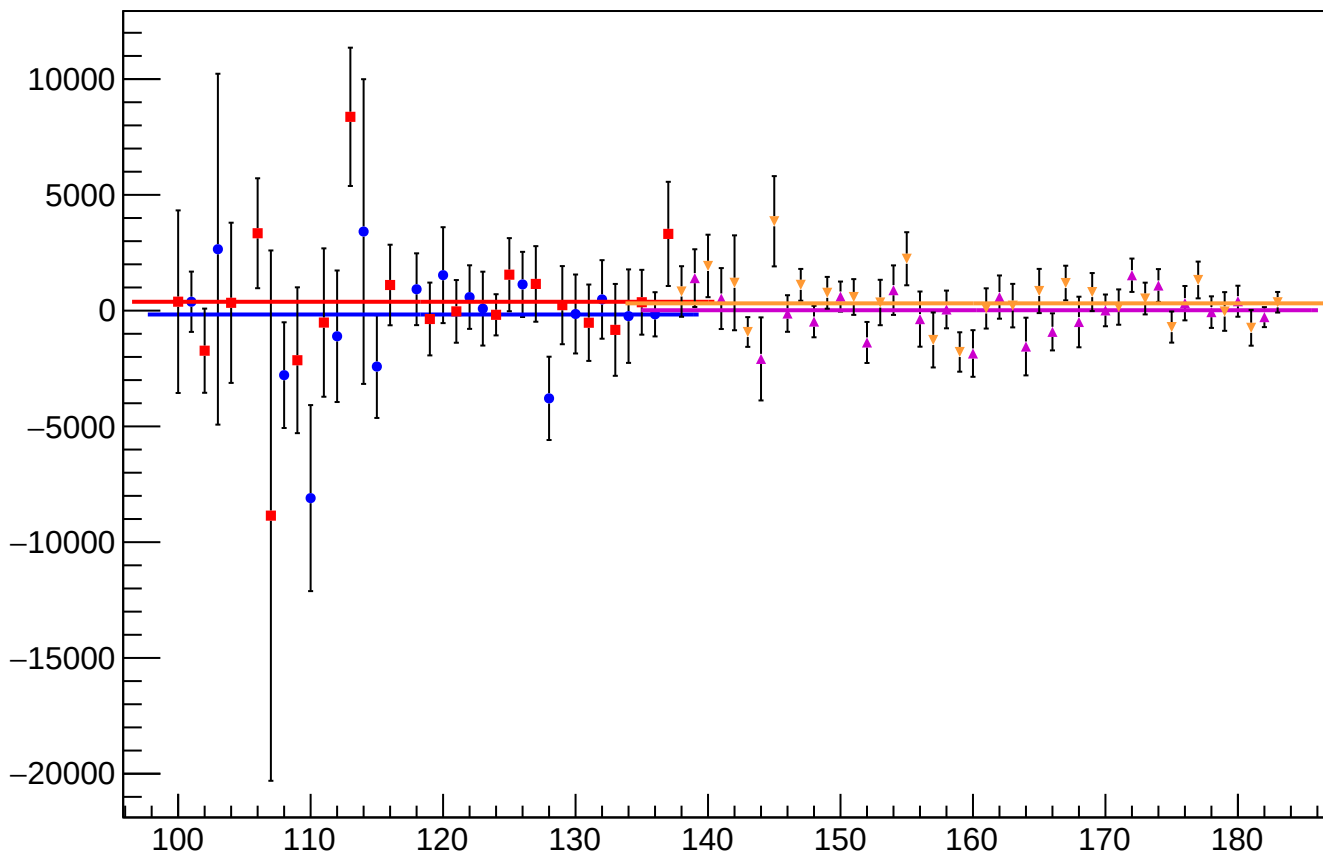
Left In: 2402.384+/-0.411 χ^2/NDF : 13423.2/21

+ sign 2457.400+/-0.351 χ^2/NDF : 378356.4/40

All: 2463.656+/-0.250 χ^2/NDF : 1033846.5/83

- sign 2470.160+/-0.357 χ^2/NDF : 654840.7/40

asym_atl1_correction_mean vs Slug



Right In: -166.806+/-421.387 χ^2/NDF : 13.5/16

Left Out: 314.687+/-164.956 χ^2/NDF : 29.7/23

Right Out: 382.536+/-410.020 χ^2/NDF : 15.5/18

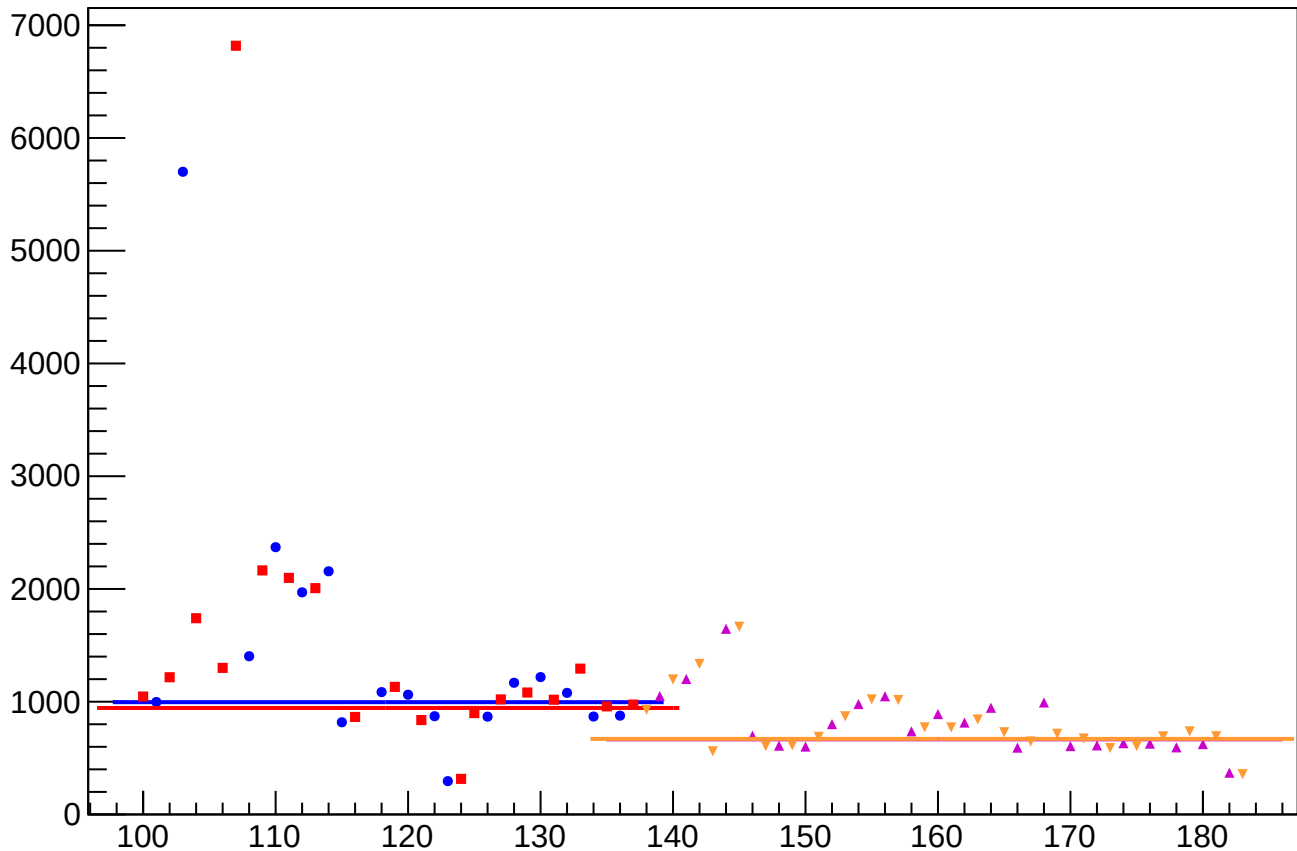
Left In: 17.428+/-169.508 χ^2/NDF : 22.0/21

+ sign 250.707+/-153.606 χ^2/NDF : 44.4/40

All: 162.480+/-109.676 χ^2/NDF : 83.2/81

- sign 70.721+/-156.649 χ^2/NDF : 38.2/40

asym_atl1_correction_rms vs Slug



Right In: 995.873+/-0.298 χ^2/NDF : 1903000.1/16

Left Out: 670.229+/-0.117 χ^2/NDF : 2869749.9/23

Right Out: 944.562+/-0.290 χ^2/NDF : 2666448.2/18

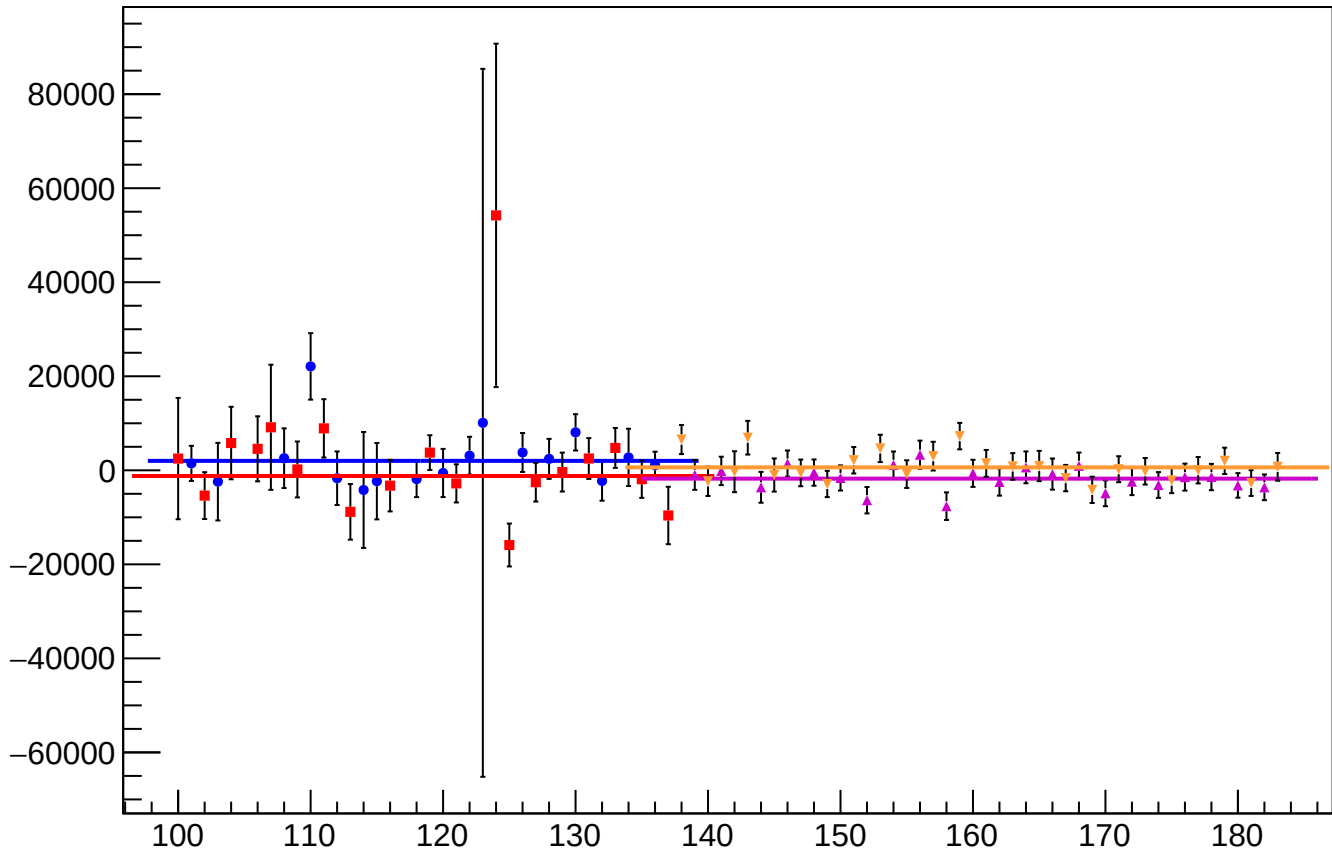
Left In: 666.025+/-0.120 χ^2/NDF : 3045379.1/21

+ sign 713.500+/-0.109 χ^2/NDF : 5808447.0/40

All: 710.158+/-0.078 χ^2/NDF : 12310454.7/83

- sign 706.681+/-0.111 χ^2/NDF : 6500075.6/40

asym_atl1_mean vs Slug



Right In: 2009.141+/-1163.584 χ^2/NDF : 14.5/16

Left Out: 626.214+/-601.924 χ^2/NDF : 25.0/23

Right Out: -1208.755+/-1191.039 χ^2/NDF : 26.8/18

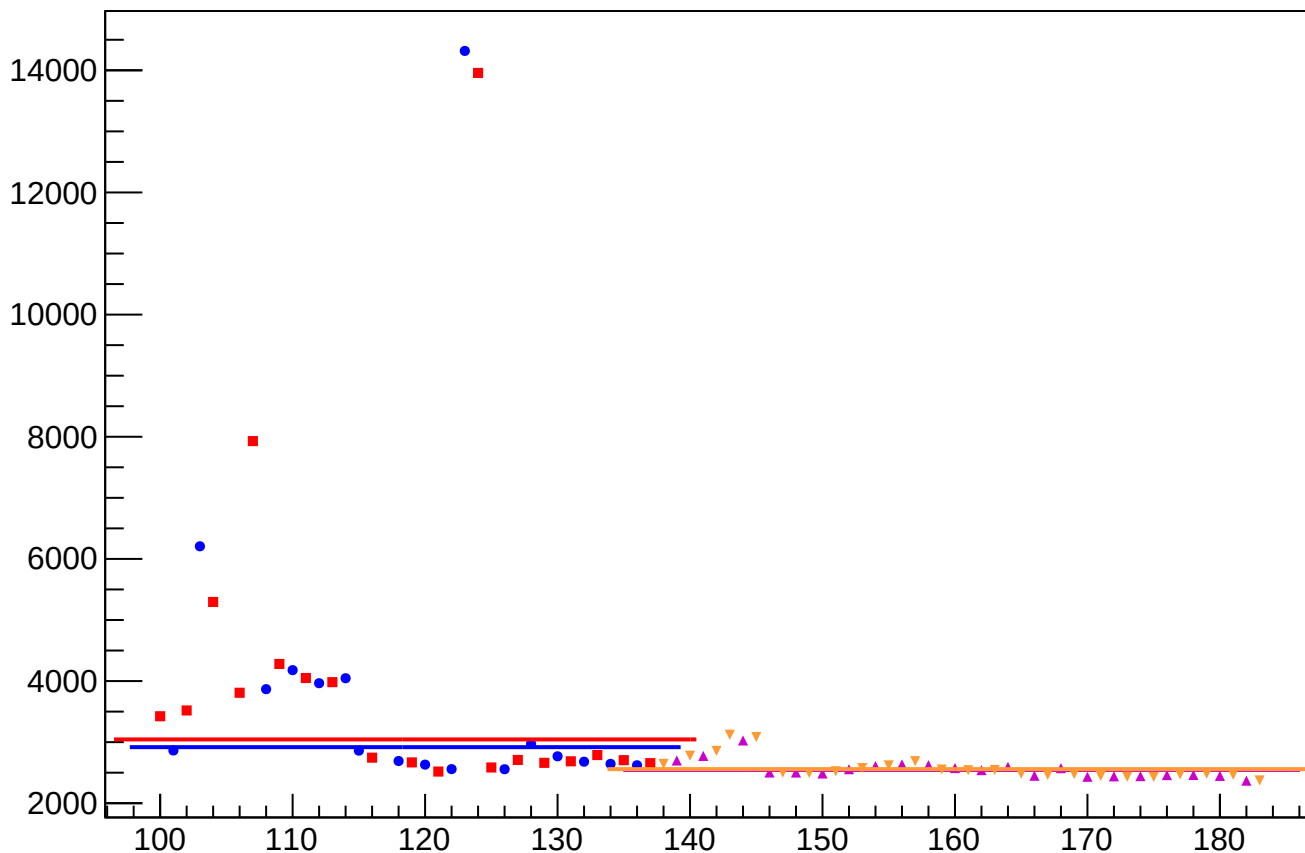
Left In: -1773.829+/-615.887 χ^2/NDF : 16.9/21

+ sign 918.162+/-534.627 χ^2/NDF : 40.6/40

All: -338.625+/-382.363 χ^2/NDF : 95.8/81

- sign -1654.610+/-547.073 χ^2/NDF : 43.9/40

asym_atl1_rms vs Slug



Right In: 2918.002+/-0.823 χ^2/NDF : 636720.5/16

Left Out: 2558.212+/-0.426 χ^2/NDF :151724.7/23

Right Out: 3044.483+/-0.842 χ^2/NDF : 1006712.4/18

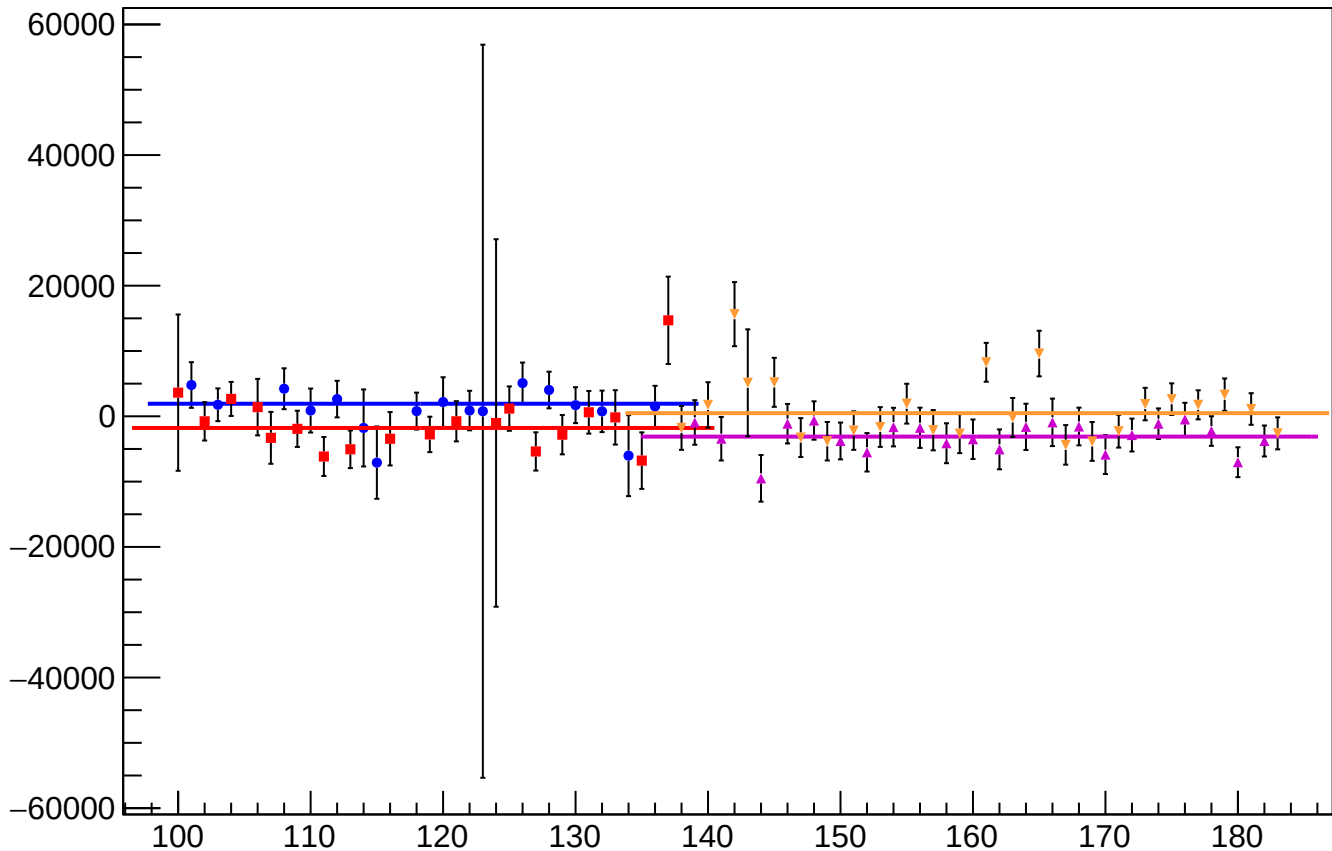
Left In: 2544.334+/-0.435 χ^2/NDF :91594.5/21

+ sign 2634.167+/-0.378 χ^2/NDF : 939297.1/40

All: 2641.830+/-0.270 χ^2/NDF : 2316715.2/83

- sign 2649.855+/-0.387 χ^2/NDF : 1376576.8/40

reg_asym_atl2_mean vs Slug



Right In: 1924.076+/-813.616 χ^2/NDF : 8.1/16

Left Out: 484.637+/-597.962 χ^2/NDF : 43.1/23

Right Out: -1783.264+/-792.384 χ^2/NDF : 18.2/18

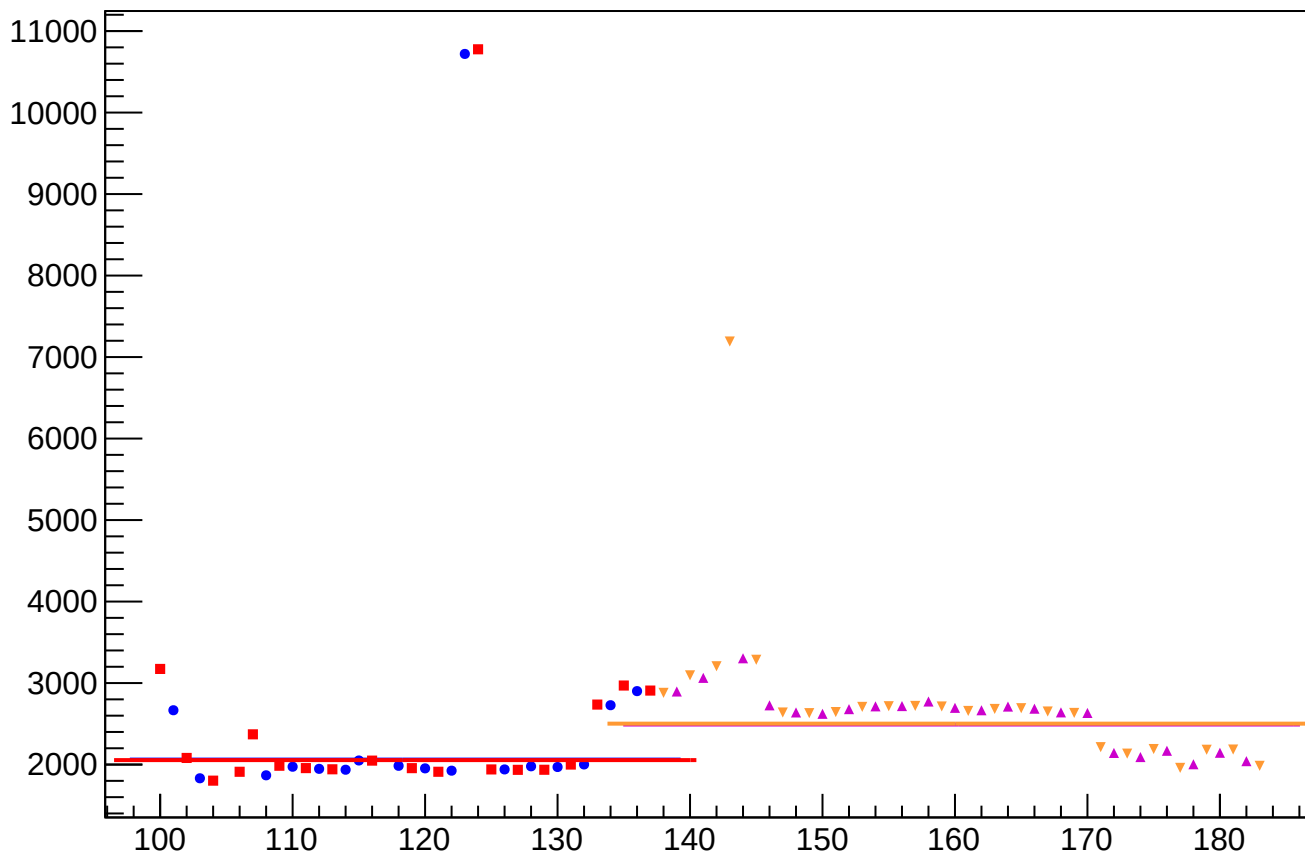
Left In: -3108.815+/-607.382 χ^2/NDF : 13.1/21

+ sign 989.462+/-481.829 χ^2/NDF : 53.2/40

All: -813.536+/-340.785 χ^2/NDF : 114.3/81

- sign -2618.226+/-482.055 χ^2/NDF : 33.1/40

reg_asym_atl2_rms vs Slug



Right In: 2060.723+/-0.575 χ^2 /NDF: 317606.8/16

Left Out: 2501.957+/-0.423 χ^2 /NDF:1326371.5/23

Right Out: 2054.686+/-0.560 χ^2 /NDF: 441666.4/18

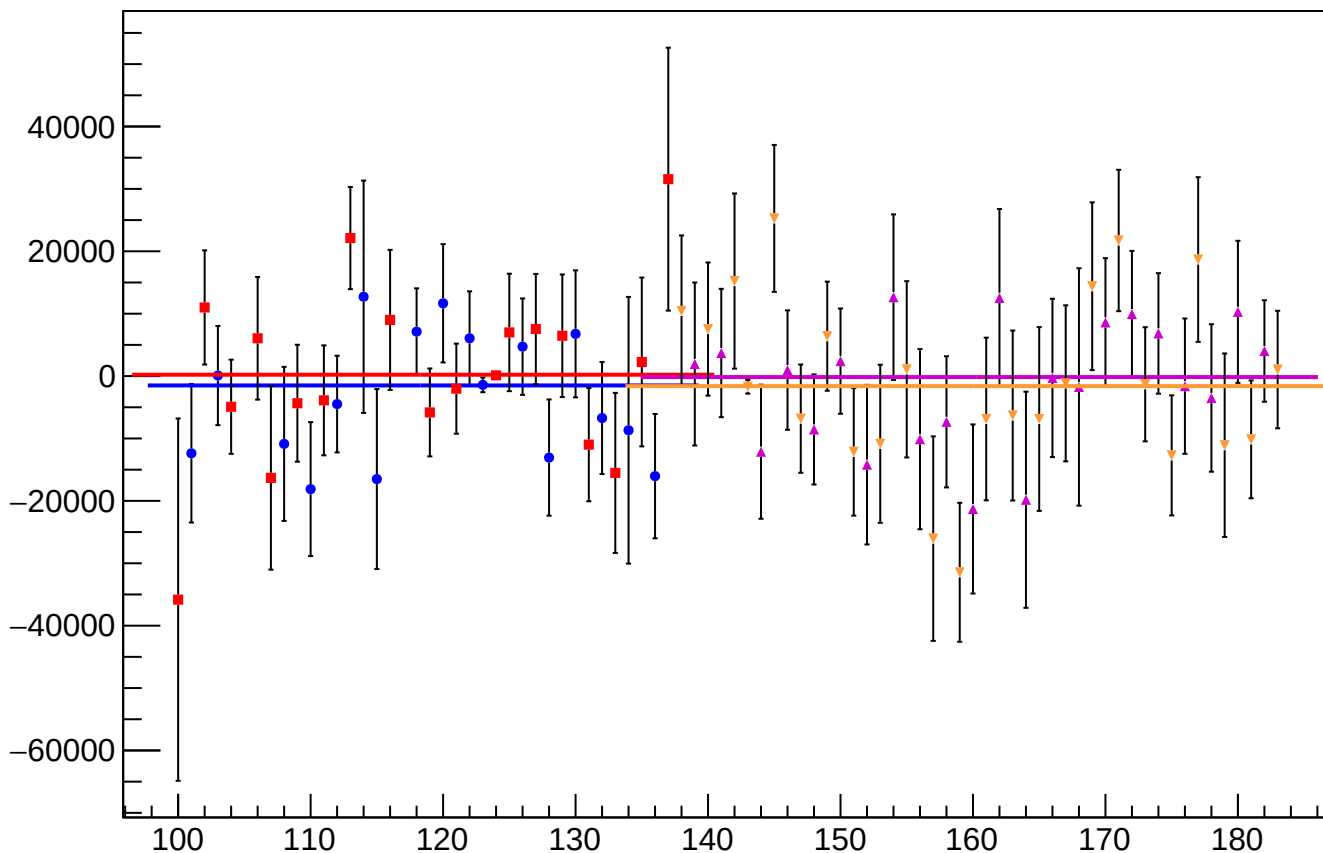
Left In: 2491.245+/-0.429 χ^2 /NDF:637976.5/21

+ sign 2347.212+/-0.341 χ^2 /NDF: 2025894.5/40

All: 2338.446+/-0.241 χ^2 /NDF: 3489261.6/81

- sign 2329.673+/-0.341 χ^2 /NDF: 1462042.6/40

asym_atl2_correction_mean vs Slug



Right In: -1500.129 ± 1054.661 χ^2/NDF : 15.7/16

Left Out: -1611.732 ± 995.144 χ^2/NDF : 31.7/23

Right Out: 219.966 ± 695.338 χ^2/NDF : 21.0/18

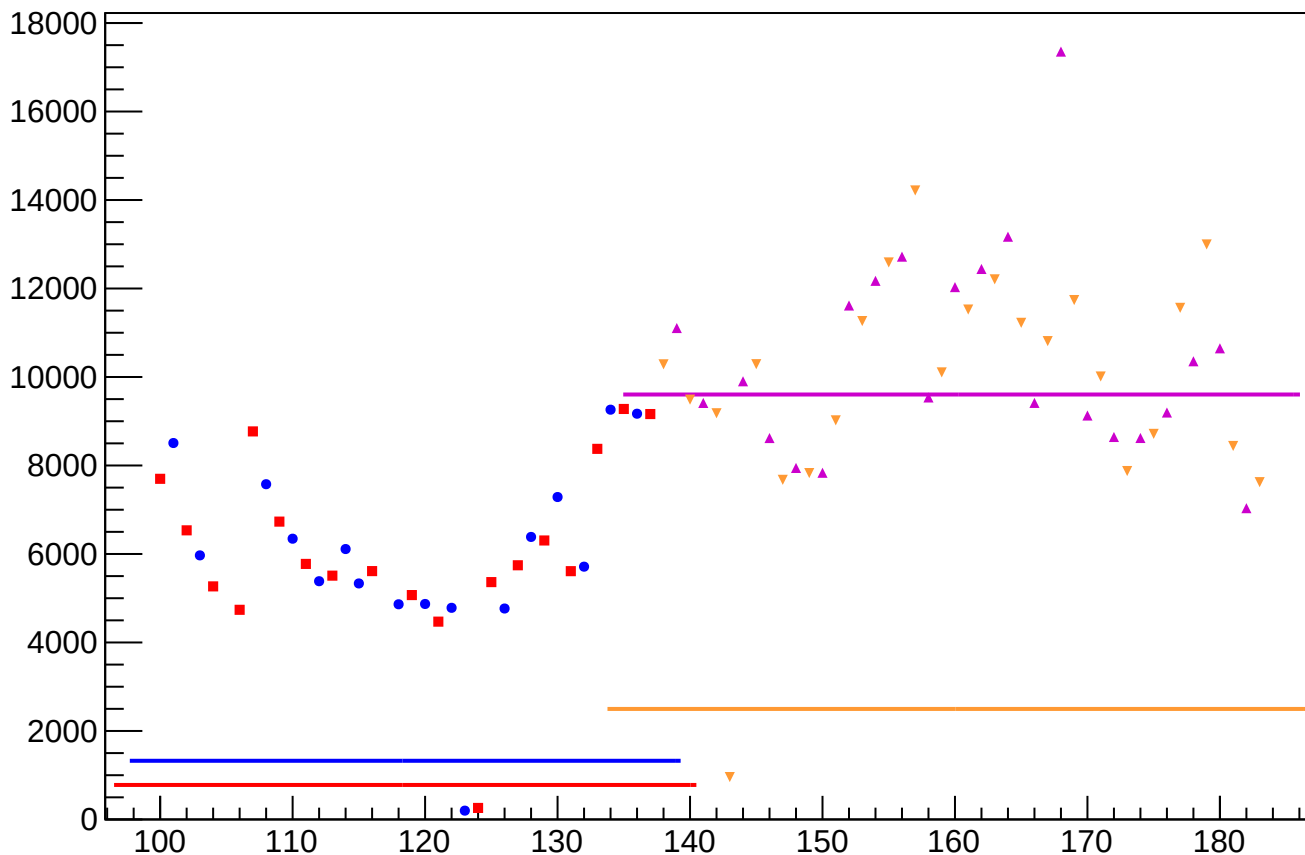
Left In: -158.026 ± 2366.933 χ^2/NDF : 13.5/21

+ sign -1559.168 ± 723.799 χ^2/NDF : 47.4/40

All: -613.492 ± 490.551 χ^2/NDF : 85.0/81

- sign 189.936 ± 667.145 χ^2/NDF : 34.4/40

asym_atl2_correction_rms vs Slug



Right In: 1326.061 $\pm$ 0.746 χ^2 /NDF: 10027581.6/16

Left Out: 2497.873 $\pm$ 0.704 χ^2 /NDF: 23419230.2/23

Right Out: 779.806 $\pm$ 0.492 χ^2 /NDF: 11406365.3/18

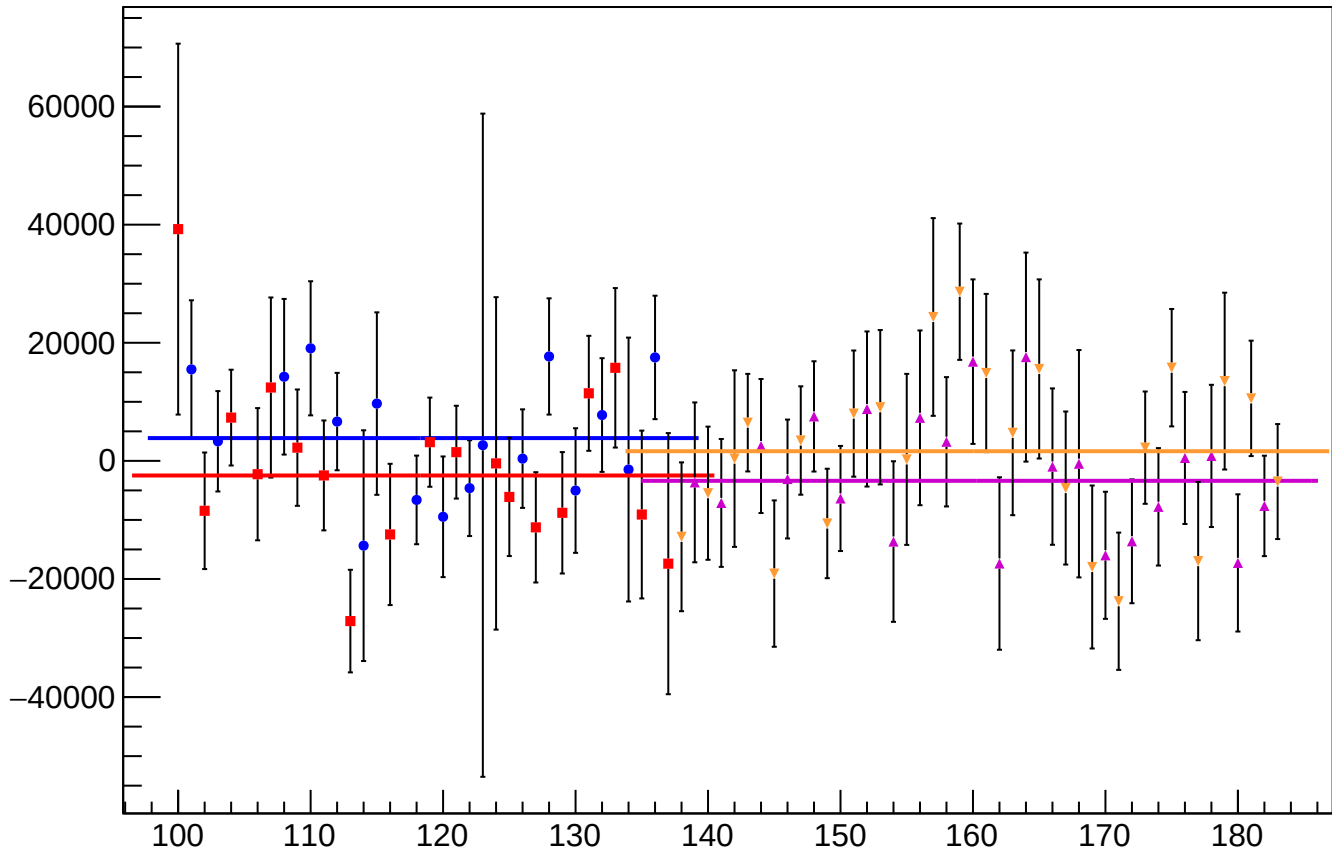
Left In: 9604.200 $\pm$ 1.674 χ^2 /NDF: 1256645.0/21

+ sign 1945.963 $\pm$ 0.512 χ^2 /NDF: 34752935.9/40

All: 1694.501 $\pm$ 0.347 χ^2 /NDF: 73452861.8/8

- sign 1480.864 $\pm$ 0.472 χ^2 /NDF: 38253436.4/40

asym_atl2_mean vs Slug



Right In: 3858.326 $\pm$ 2543.101 χ^2 /NDF: 14.1/16

Left Out: 1634.106 $\pm$ 2359.188 χ^2 /NDF: 29.3/23

Right Out: -2474.681 $\pm$ 2426.960 χ^2 /NDF: 20.3/18

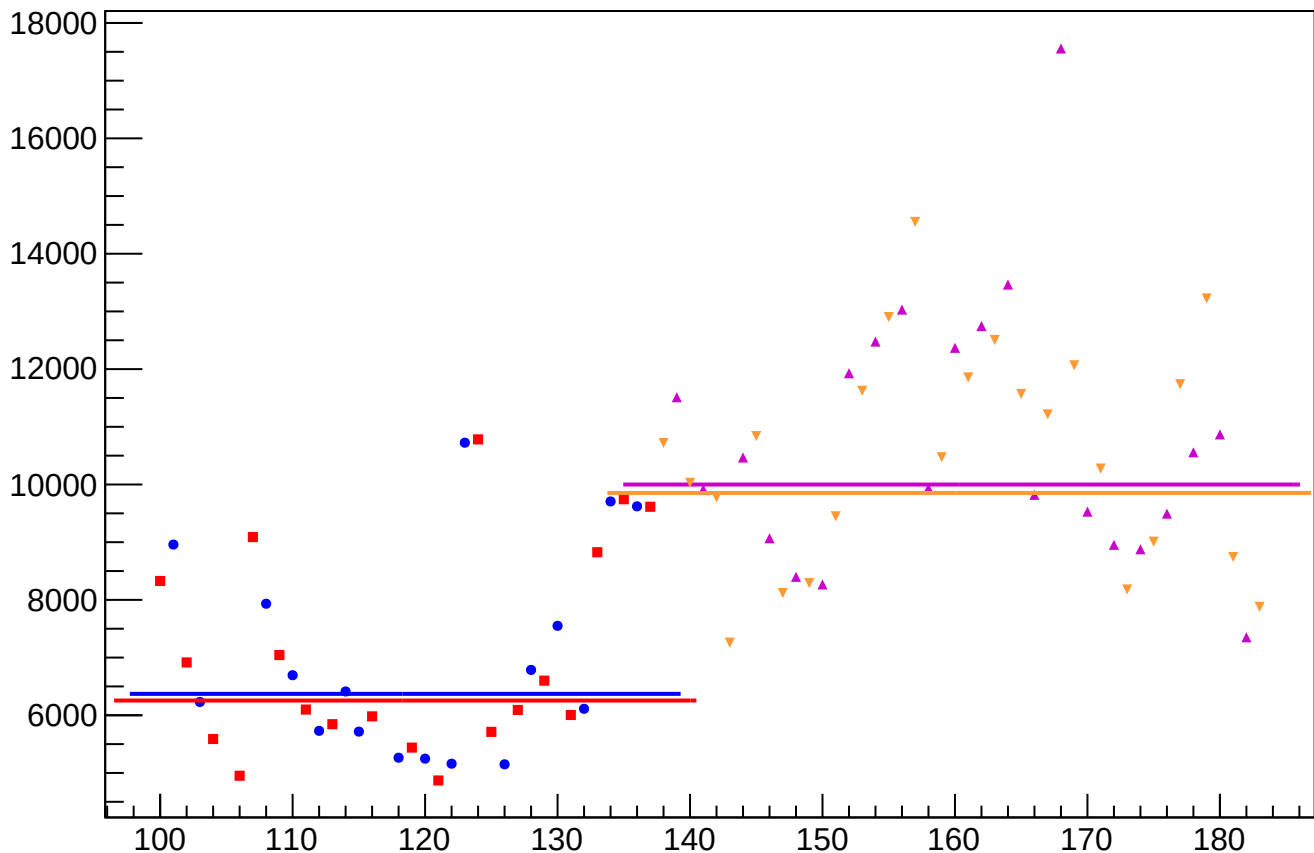
Left In: -3377.737 $\pm$ 2460.086 χ^2 /NDF: 13.1/21

+ sign 2662.890 $\pm$ 1729.565 χ^2 /NDF: 43.7/40

All: -131.590 $\pm$ 1222.332 χ^2 /NDF: 82.4/81

- sign -2920.088 $\pm$ 1727.713 χ^2 /NDF: 33.5/40

asym_atl2_rms vs Slug



Right In: 6370.939 $\pm$ 1.798 χ^2/NDF : 578725.9/16

Left Out: 9853.716 $\pm$ 1.668 χ^2/NDF : 1183639.5/23

Right Out: 6255.569 $\pm$ 1.716 χ^2/NDF : 532740.6/18

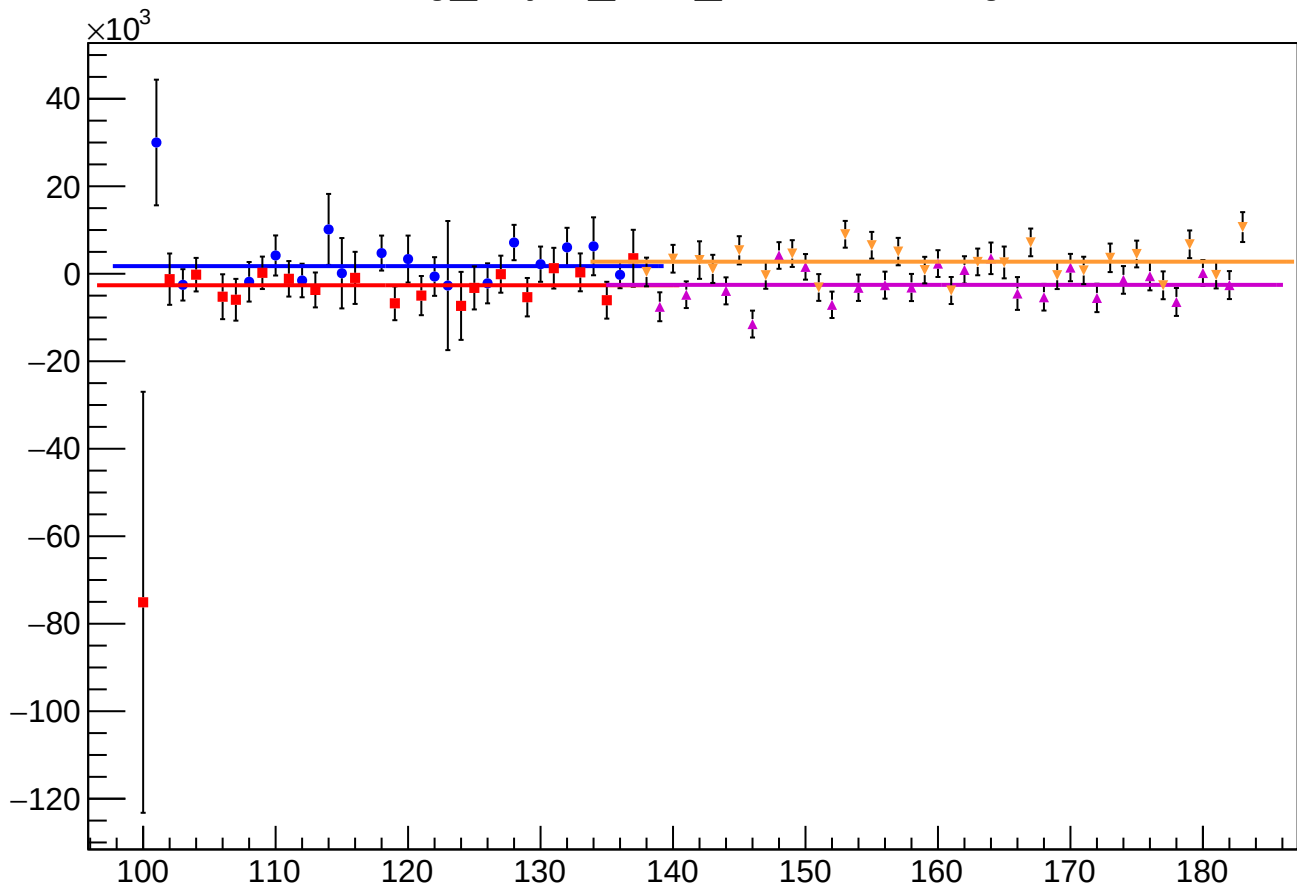
Left In: 9999.467 $\pm$ 1.740 χ^2/NDF : 1150470.7/21

+ sign 8242.795 $\pm$ 1.223 χ^2/NDF : 3778431.7/40

All: 8172.348 $\pm$ 0.864 χ^2/NDF : 7815822.2/83

- sign 8102.055 $\pm$ 1.222 χ^2/NDF : 4030761.7/40

reg_asym_atr1_mean vs Slug



Right In: 1745.509 $\pm$ 1131.300 χ^2 /NDF: 13.4/16

Left Out: 2762.739 $\pm$ 650.546 χ^2 /NDF:32.3/23

Right Out: -2628.839 $\pm$ 1074.553 χ^2 /NDF: 9.6/18

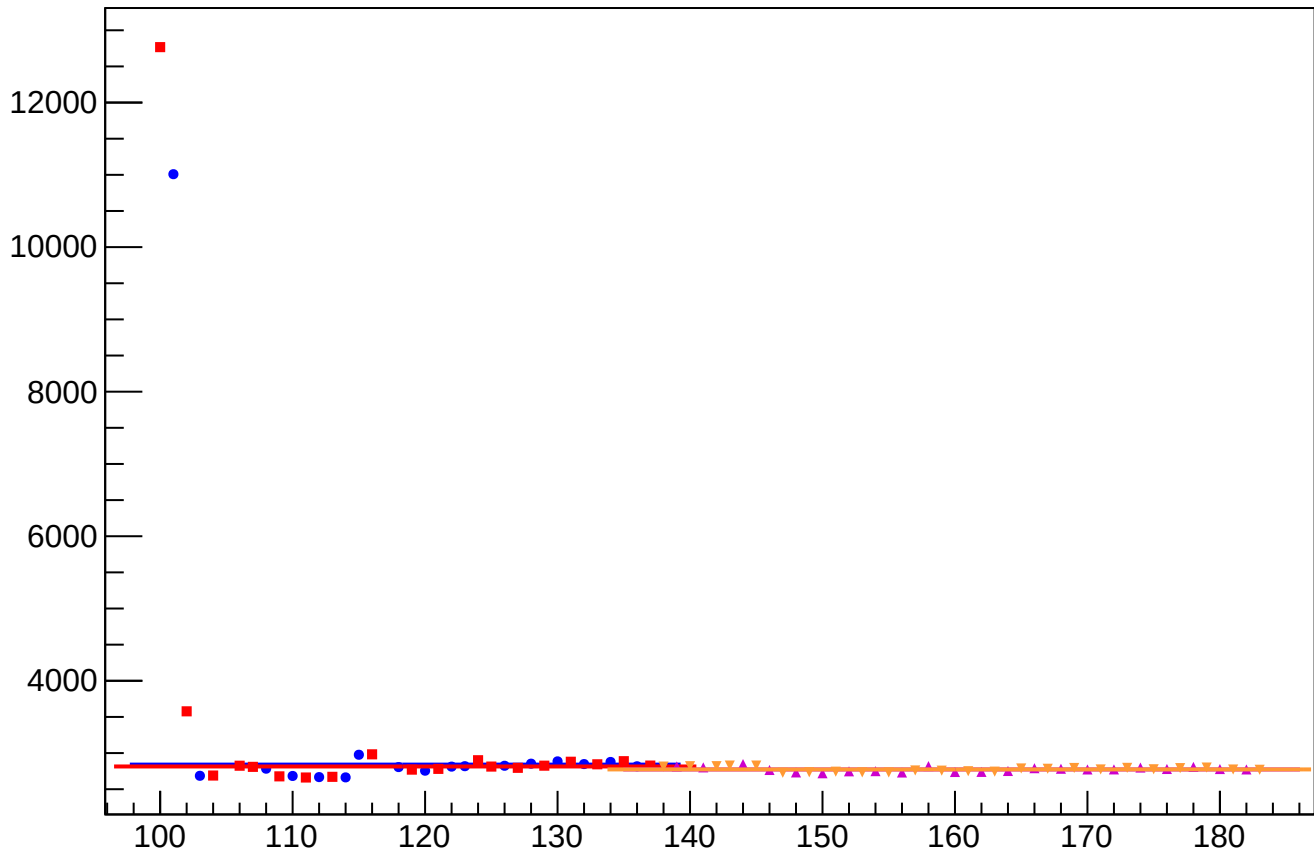
Left In: -2538.319 $\pm$ 669.663 χ^2 /NDF:33.7/21

+ sign 2509.956 $\pm$ 563.952 χ^2 /NDF: 46.3/40

All: -7.218 $\pm$ 400.314 χ^2 /NDF: 129.8/81

- sign -2563.641 $\pm$ 568.332 χ^2 /NDF: 43.4/40

reg_asym_atr1_rms vs Slug



Right In: 2840.326+/-0.800 χ^2/NDF : 660130.0/16

Left Out: 2773.854+/-0.460 χ^2/NDF : 4609.6/23

Right Out: 2814.625+/-0.760 χ^2/NDF : 133037.9/18

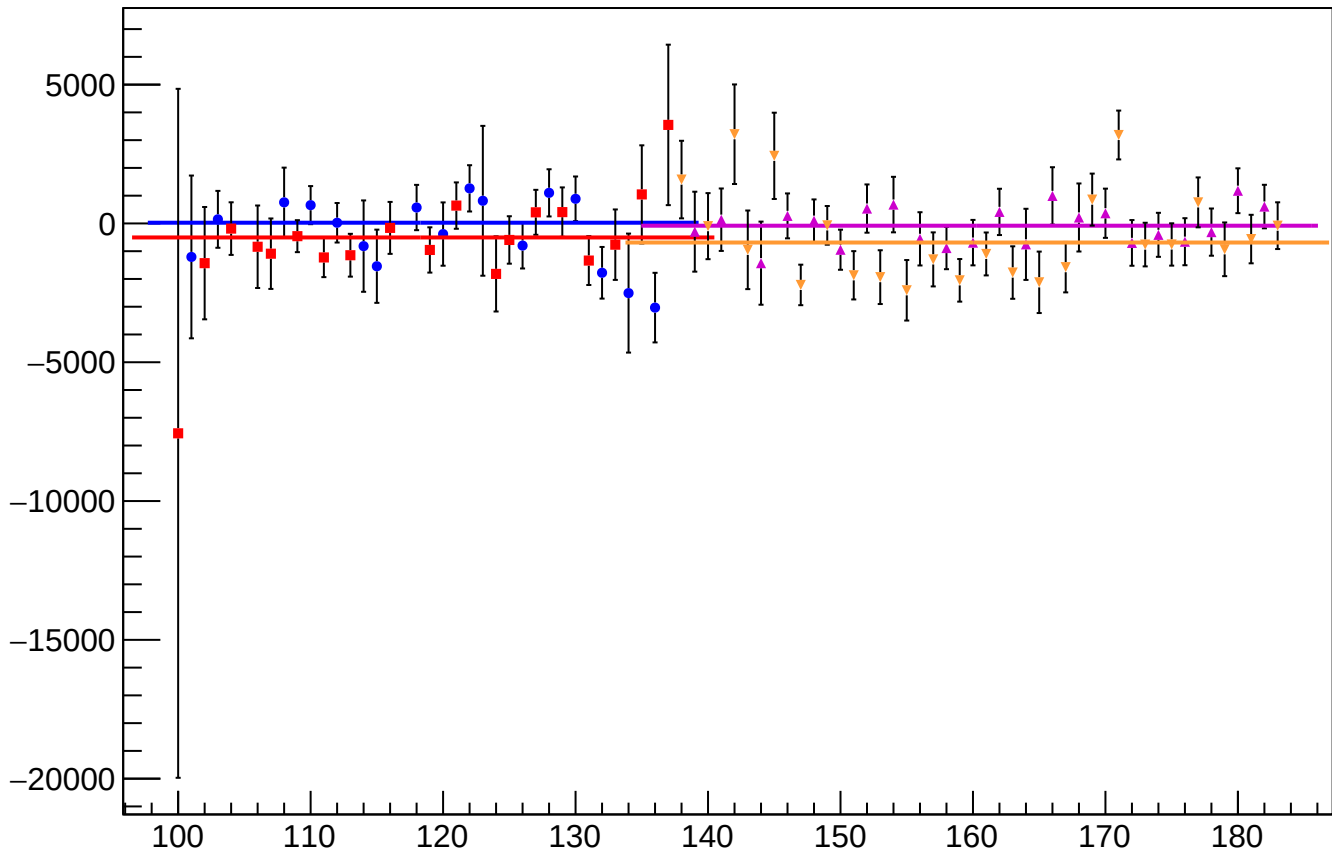
Left In: 2773.227+/-0.474 χ^2/NDF : 4792.6/21

+ sign 2790.372+/-0.399 χ^2/NDF : 669928.6/40

All: 2787.611+/-0.283 χ^2/NDF : 809993.9/81

- sign 2784.807+/-0.402 χ^2/NDF : 139968.7/40

asym_atr1_correction_mean vs Slug



Right In: 25.744 ± 242.455 χ^2/NDF : 20.8/16

Left Out: -687.735 ± 189.024 χ^2/NDF : 55.9/23

Right Out: -504.940 ± 222.180 χ^2/NDF : 11.9/18

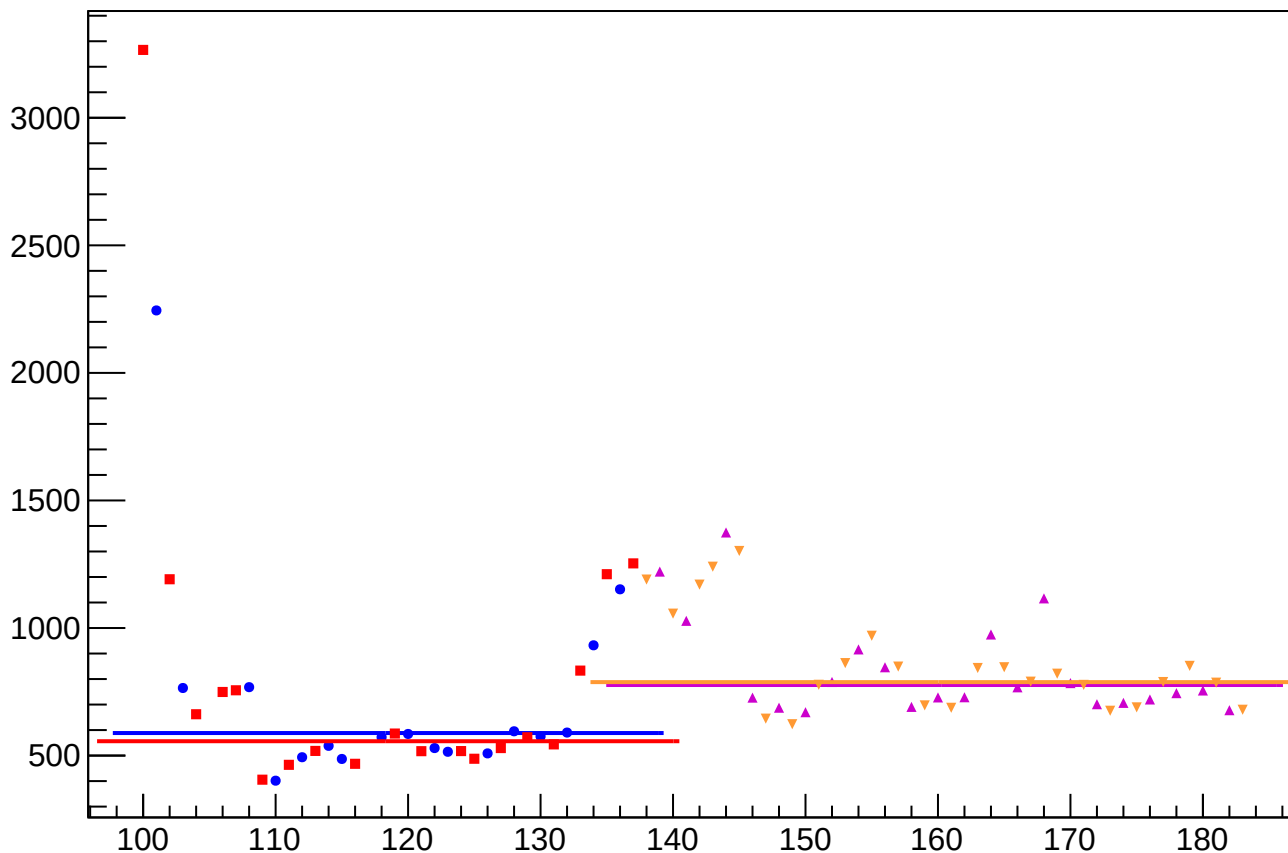
Left In: -81.972 ± 190.973 χ^2/NDF : 12.1/21

+ sign -418.014 ± 149.073 χ^2/NDF : 82.1/40

All: -337.593 ± 103.876 χ^2/NDF : 108.7/81

- sign -261.690 ± 144.826 χ^2/NDF : 26.0/40

asym_atr1_correction_rms vs Slug



Right In: 588.381 ± 0.171 χ^2/NDF : 1423934.9/16

Left Out: 787.959 ± 0.134 χ^2/NDF : 1239718.7/23

Right Out: 556.282 ± 0.157 χ^2/NDF : 1104898.6/18

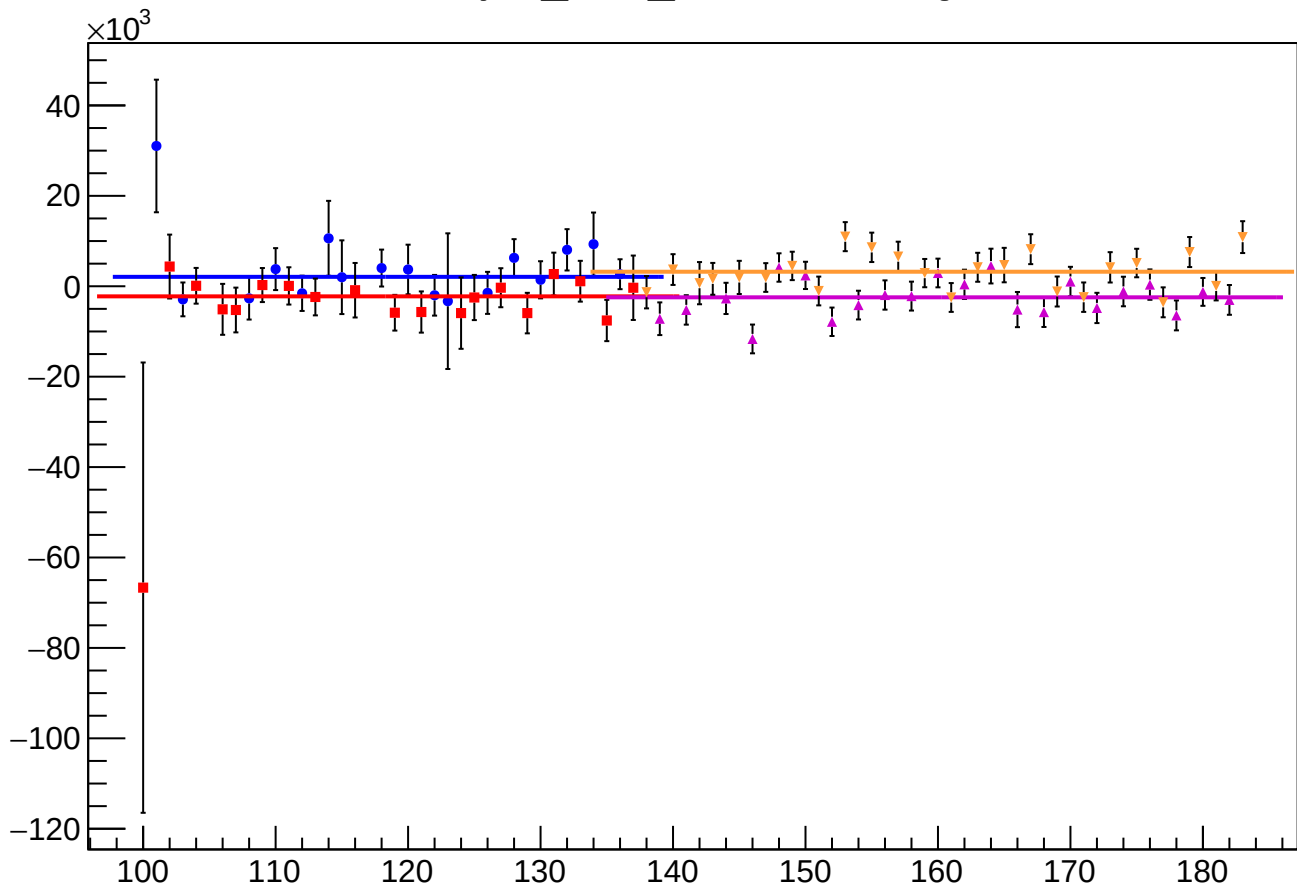
Left In: 776.614 ± 0.135 χ^2/NDF : 1055387.3/21

+ sign 712.511 ± 0.105 χ^2/NDF : 3506519.0/40

All: 697.327 ± 0.073 χ^2/NDF : 6838293.0/81

- sign 682.996 ± 0.102 χ^2/NDF : 3291440.5/40

asym_atr1_mean vs Slug



Right In: 2083.008 $\pm$ 1167.281 χ^2/NDF : 14.5/16

Left Out: 3214.775 $\pm$ 683.328 χ^2/NDF : 36.5/23

Right Out: -2234.490 $\pm$ 1113.044 χ^2/NDF : 9.9/18

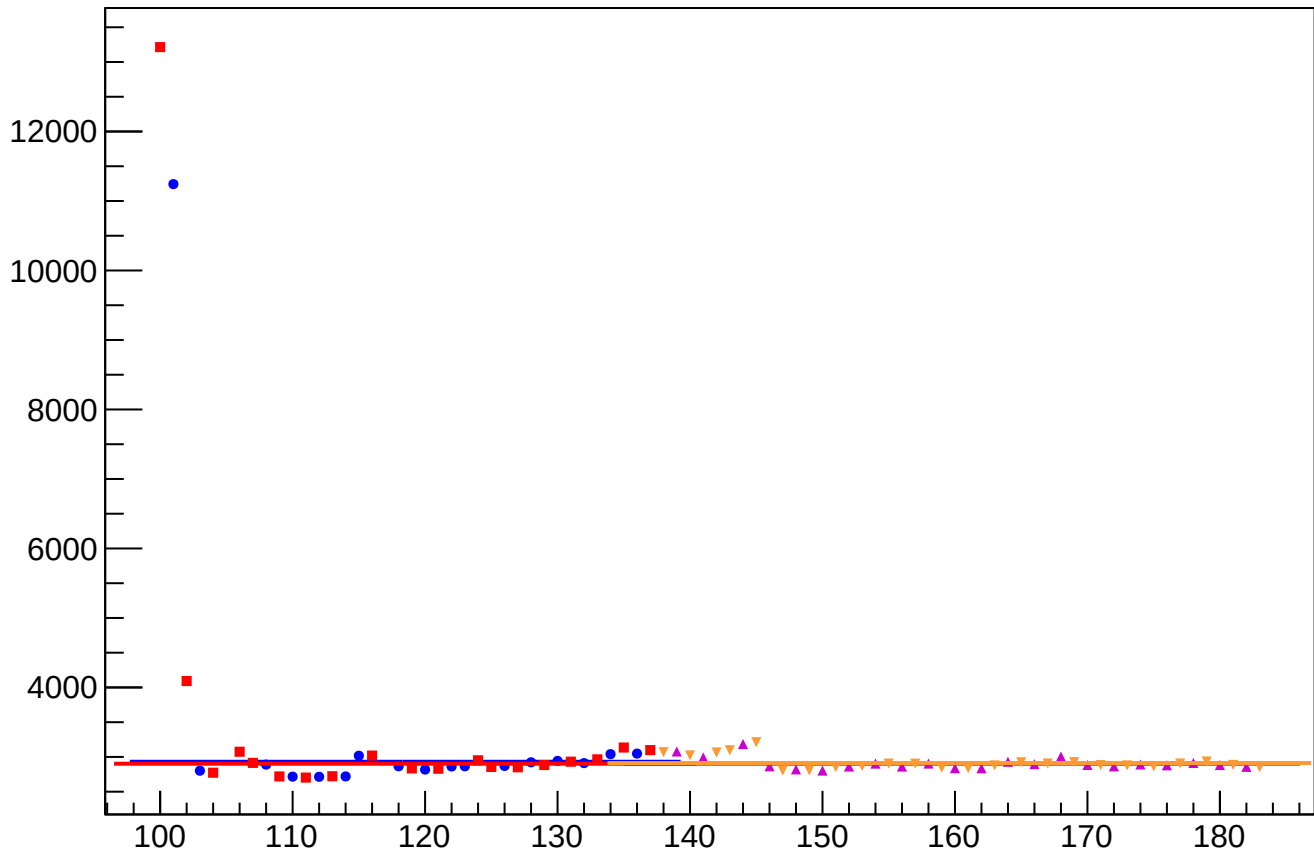
Left In: -2447.765 $\pm$ 701.245 χ^2/NDF : 33.6/21

+ sign 2925.915 $\pm$ 589.713 χ^2/NDF : 51.6/40

All: 285.535 $\pm$ 418.256 χ^2/NDF : 135.6/81

- sign -2387.164 $\pm$ 593.311 χ^2/NDF : 43.6/40

asym_atr1_rms vs Slug



Right In: 2930.563+/-0.825 χ^2/NDF : 662106.1/16

Left Out: 2912.089+/-0.483 χ^2/NDF : 36417.2/23

Right Out: 2902.768+/-0.787 χ^2/NDF : 169439.3/18

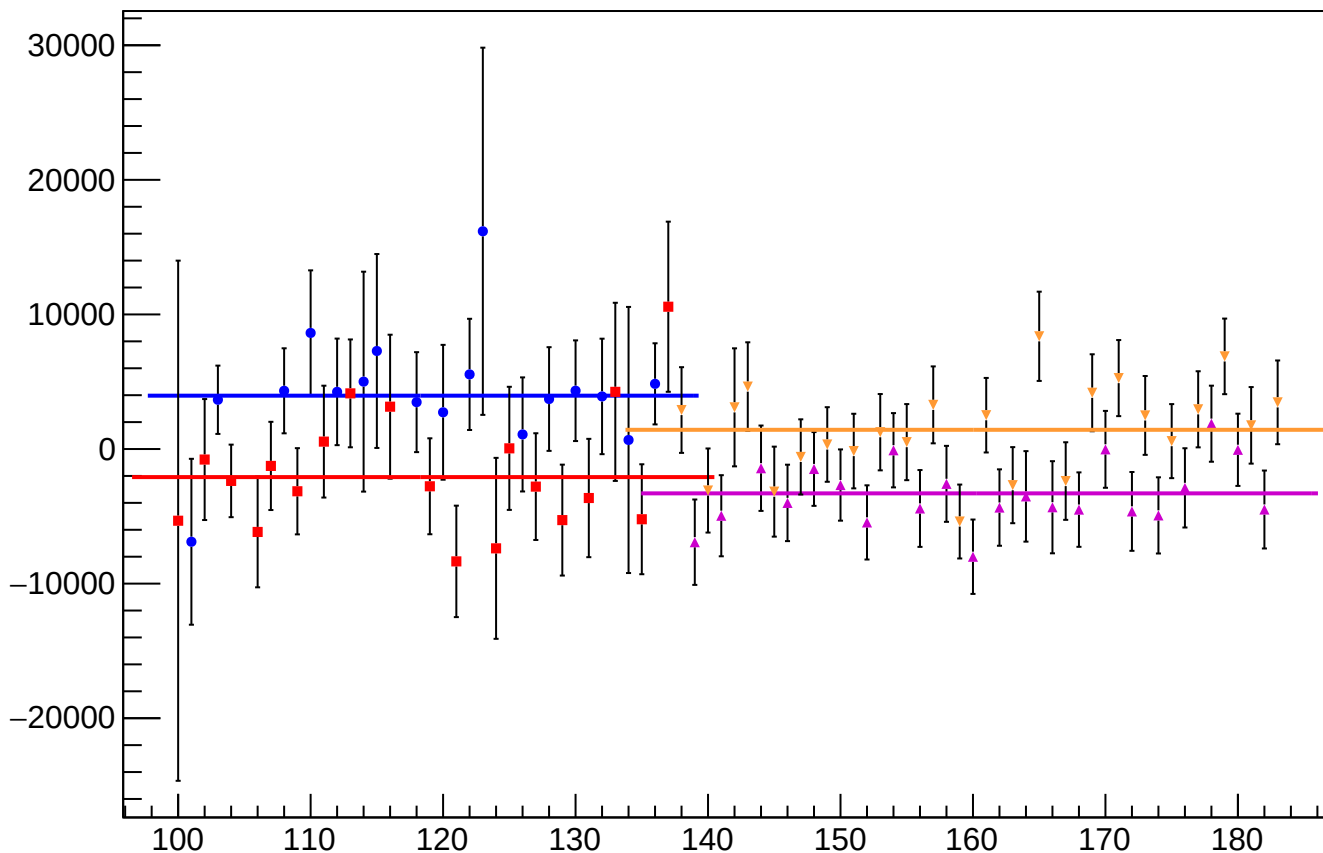
Left In: 2903.003+/-0.496 χ^2/NDF : 28794.8/21

+ sign 2916.804+/-0.417 χ^2/NDF : 698896.4/40

All: 2909.912+/-0.296 χ^2/NDF : 897680.3/81

- sign 2902.936+/-0.420 χ^2/NDF : 198234.2/40

reg_asym_atr2_mean vs Slug



Right In: 3964.122 $\pm$ 1014.452 χ^2 /NDF: 6.1/16

Left Out: 1428.146 $\pm$ 600.838 χ^2 /NDF:28.9/23

Right Out: -2085.504 $\pm$ 960.571 χ^2 /NDF: 14.5/18

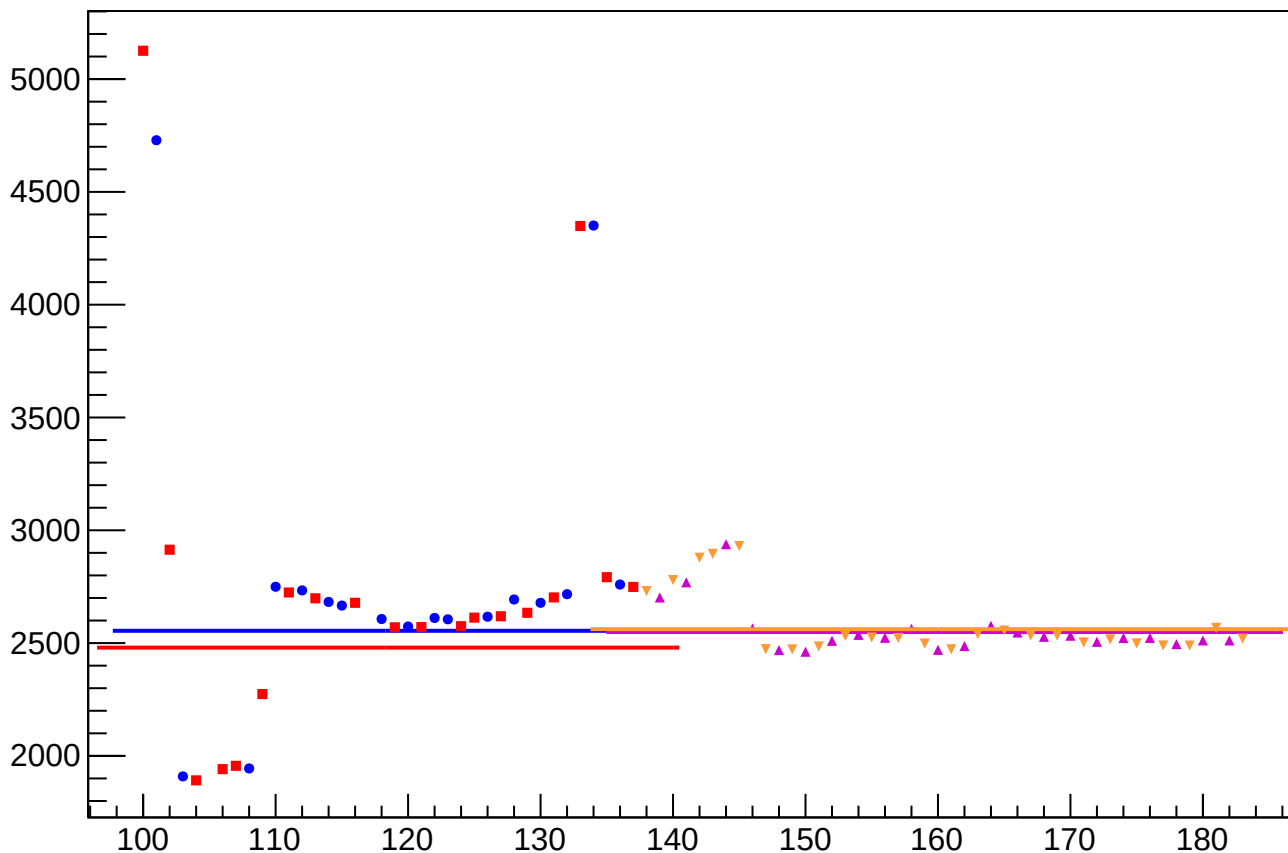
Left In: -3294.209 $\pm$ 615.160 χ^2 /NDF:14.9/21

+ sign 2086.725 $\pm$ 516.967 χ^2 /NDF: 39.6/40

All: -422.782 $\pm$ 365.928 χ^2 /NDF: 117.3/81

- sign -2942.665 $\pm$ 518.035 χ^2 /NDF: 30.5/40

reg_asym_atr2_rms vs Slug



Right In: 2554.506 $\pm$ 0.717 χ^2 /NDF: 545770.3/16

Left Out: 2561.682 $\pm$ 0.425 χ^2 /NDF: 86260.1/23

Right Out: 2479.954 $\pm$ 0.679 χ^2 /NDF: 450311.6/18

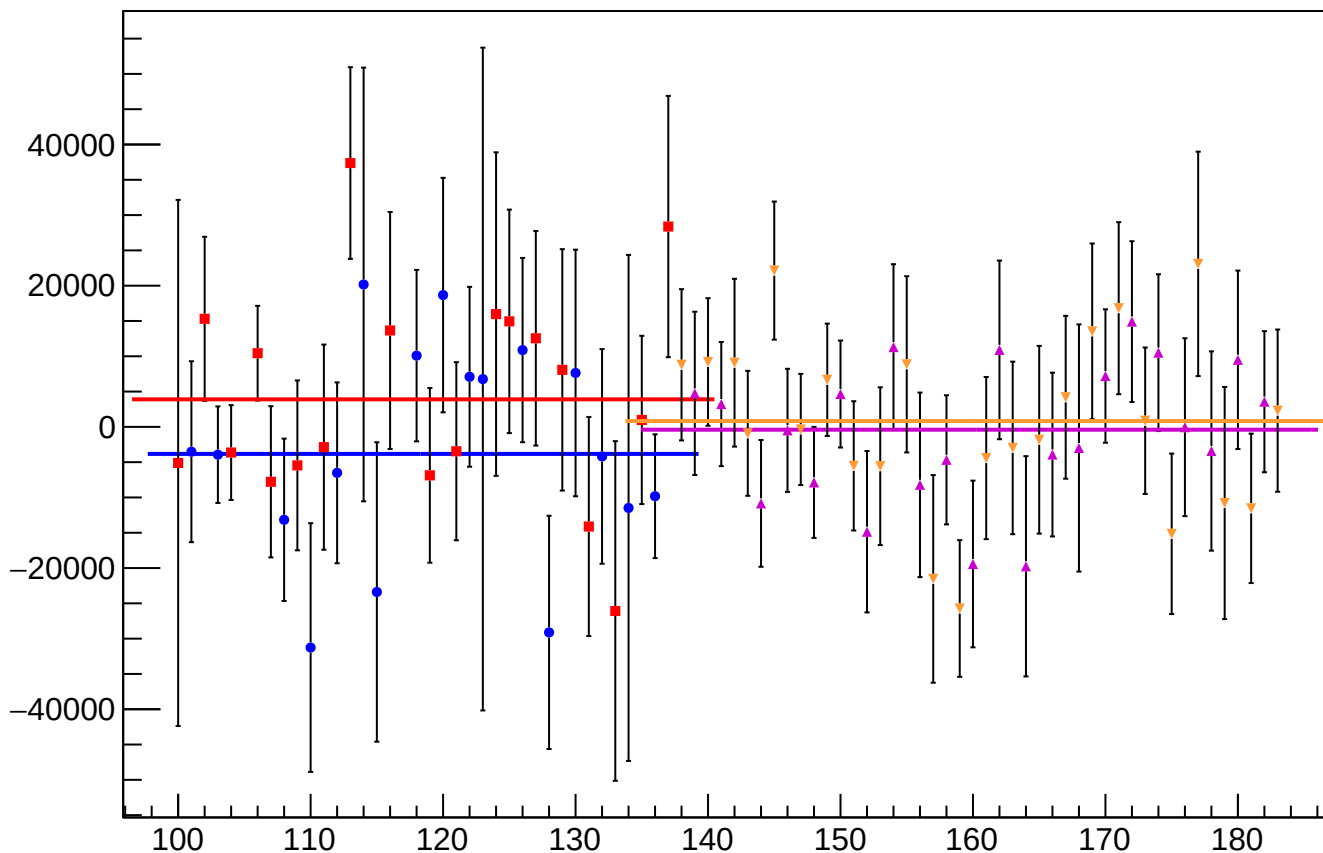
Left In: 2549.324 $\pm$ 0.435 χ^2 /NDF: 55200.9/21

+ sign 2559.818 $\pm$ 0.366 χ^2 /NDF: 632104.5/40

All: 2544.515 $\pm$ 0.259 χ^2 /NDF: 1148526.4/83

- sign 2529.148 $\pm$ 0.366 χ^2 /NDF: 512909.6/40

asym_atr2_correction_mean vs Slug



Right In: -3830.114 ± 3234.150 $\chi^2/\text{NDF}: 13.1/16$

Left Out: 823.602 ± 2199.662 $\chi^2/\text{NDF}: 27.3/23$

Right Out: 3902.239 ± 2838.290 $\chi^2/\text{NDF}: 18.6/18$

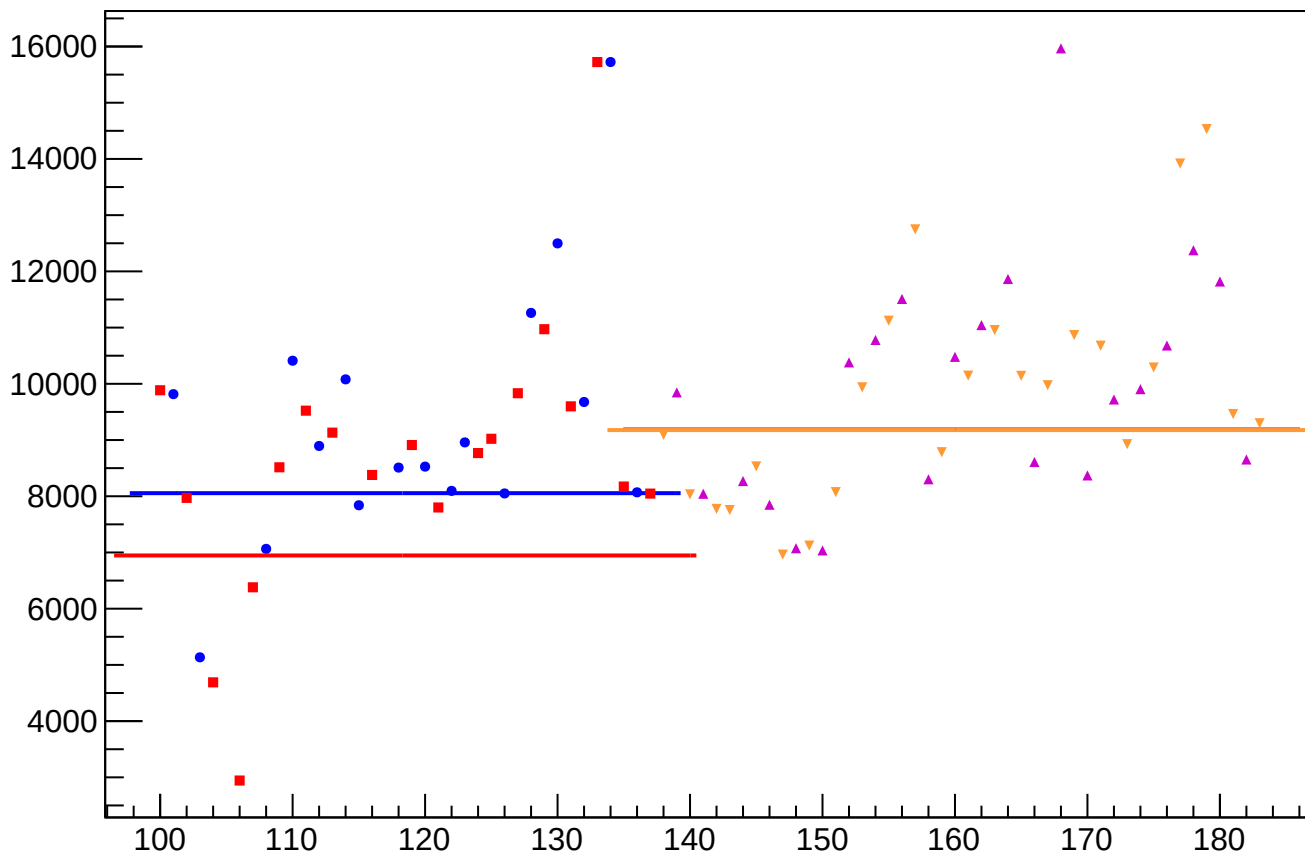
Left In: -400.801 ± 2263.871 $\chi^2/\text{NDF}: 15.5/21$

+ sign -648.271 ± 1818.843 $\chi^2/\text{NDF}: 41.8/40$

All: 338.250 ± 1268.437 $\chi^2/\text{NDF}: 77.9/81$

- sign 1272.331 ± 1769.841 $\chi^2/\text{NDF}: 35.5/40$

asym_atr2_correction_rms vs Slug



Right In: 8054.857+/-2.287 χ^2/NDF : 795337.9/16

Left Out: 9176.973+/-1.555 χ^2/NDF :1176180.6/23

Right Out: 6946.742+/-2.007 χ^2/NDF : 1776702.0/18

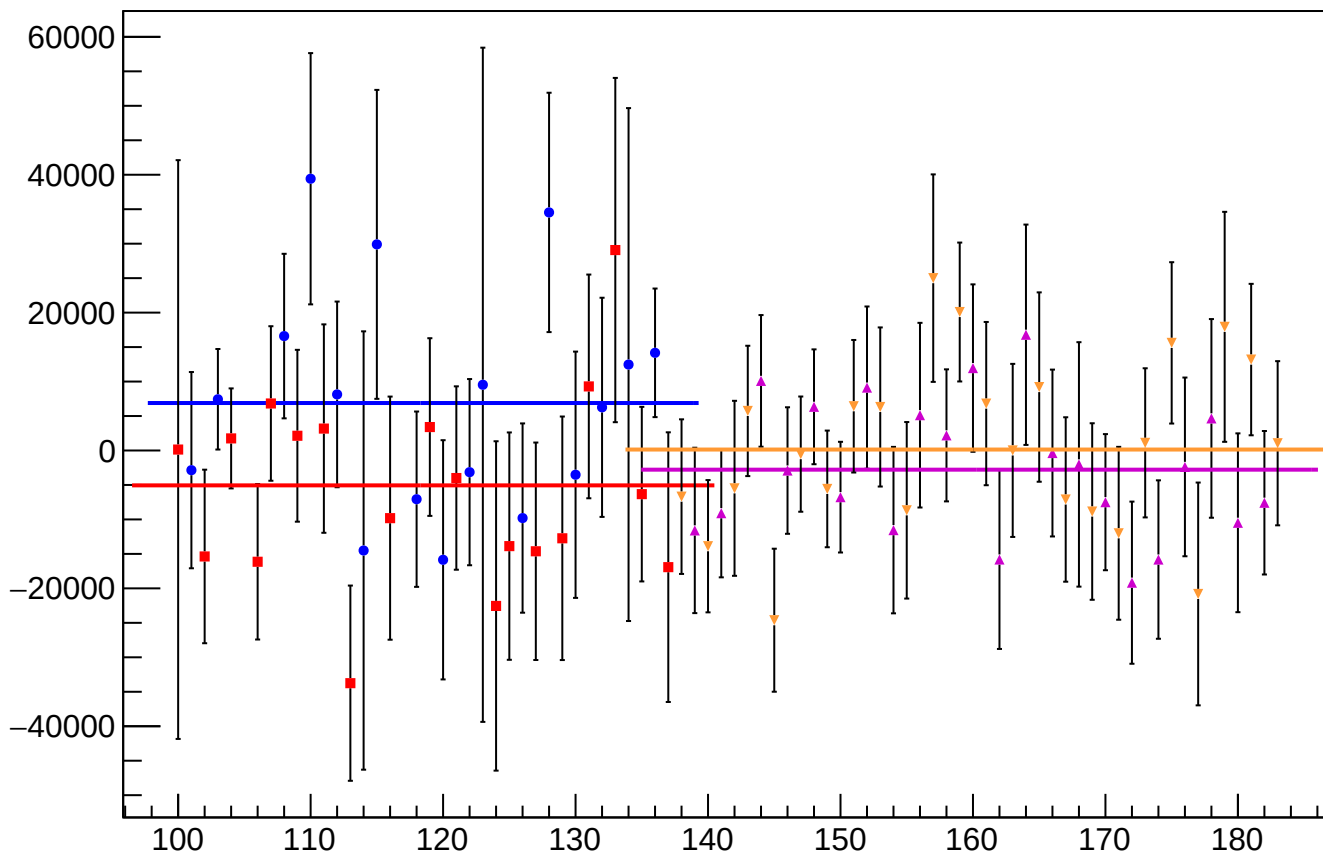
Left In: 9188.371+/-1.601 χ^2/NDF :1235401.1/21

+ sign 8822.072+/-1.286 χ^2/NDF : 2136131.6/40

All: 8562.521+/-0.897 χ^2/NDF : 5989970.0/83

- sign 8316.768+/-1.251 χ^2/NDF : 3774549.3/40

asym_atr2_mean vs Slug



Right In: 6886.765 ± 3417.693 $\chi^2/\text{NDF}: 14.3/16$

Left Out: 138.047 ± 2297.921 $\chi^2/\text{NDF}: 25.6/23$

Right Out: -5059.238 ± 3173.297 $\chi^2/\text{NDF}: 13.3/18$

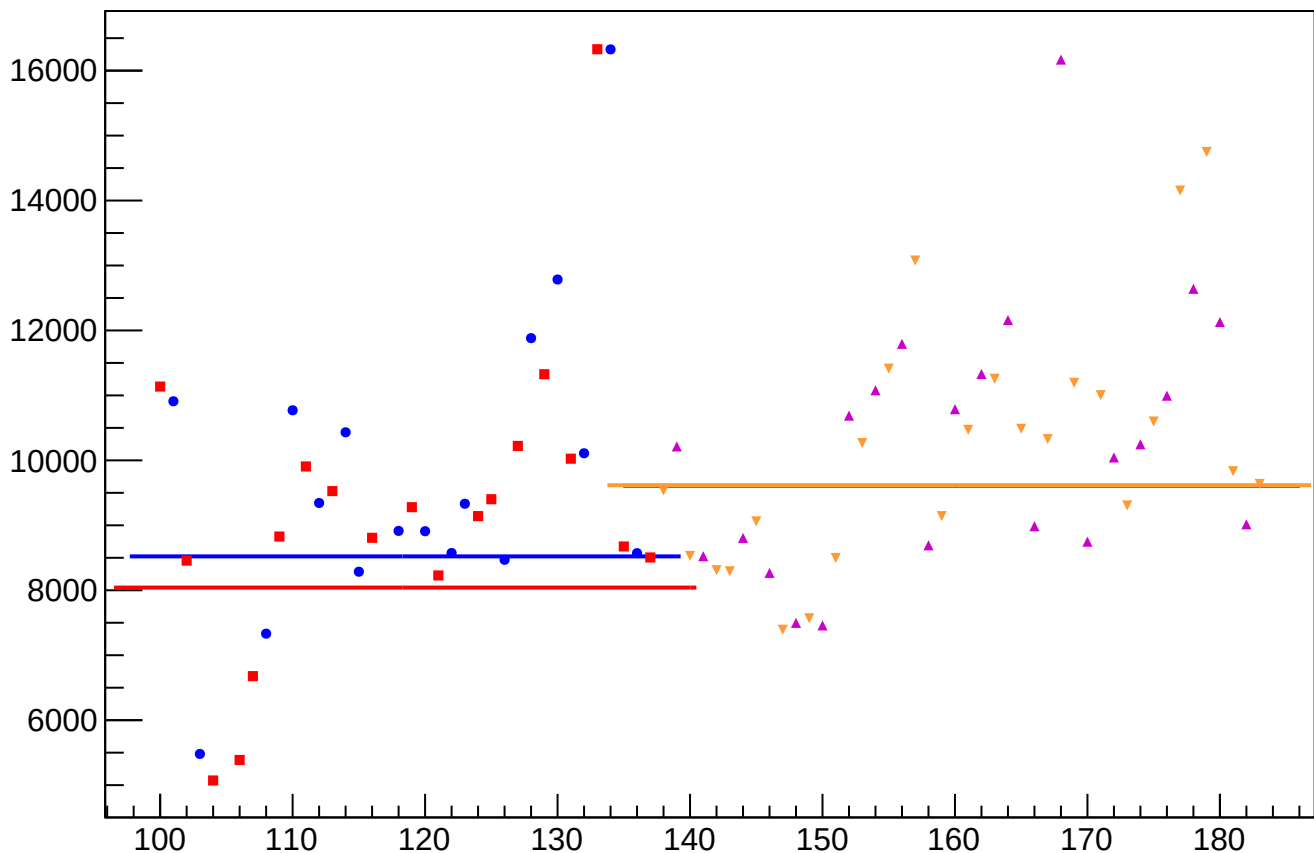
Left In: -2781.954 ± 2360.480 $\chi^2/\text{NDF}: 14.7/21$

+ sign 2239.107 ± 1906.960 $\chi^2/\text{NDF}: 42.6/40$

All: -696.986 ± 1343.802 $\chi^2/\text{NDF}: 75.7/81$

- sign -3593.166 ± 1893.954 $\chi^2/\text{NDF}: 28.4/40$

asym_atr2_rms vs Slug



Right In: 8521.835 $\pm$ 2.417 χ^2 /NDF: 769872.2/16

Left Out: 9617.032 $\pm$ 1.625 χ^2 /NDF:1011649.0/23

Right Out: 8041.570 $\pm$ 2.244 χ^2 /NDF: 953300.0/18

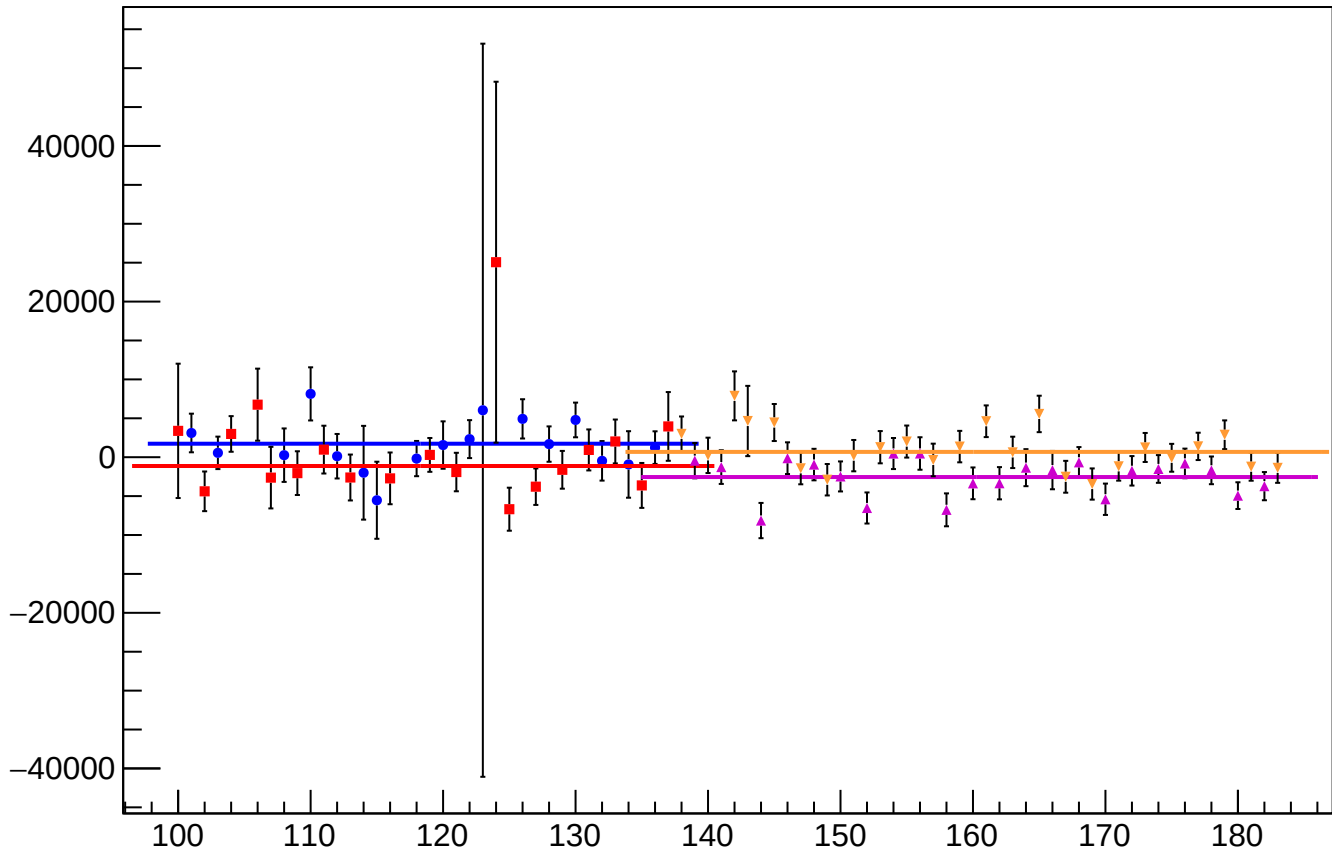
Left In: 9606.764 $\pm$ 1.669 χ^2 /NDF:1080861.3/21

+ sign 9276.067 $\pm$ 1.348 χ^2 /NDF: 1922957.6/40

All: 9161.849 $\pm$ 0.950 χ^2 /NDF: 4284629.8/83

- sign 9049.186 $\pm$ 1.339 χ^2 /NDF: 2347420.0/40

reg_asym_atl_avg_mean vs Slug



Right In: 1733.256 ± 672.118 χ^2/NDF : 12.6/16

Left Out: 682.358 ± 421.278 χ^2/NDF : 34.6/23

Right Out: -1131.745 ± 673.096 χ^2/NDF : 20.3/18

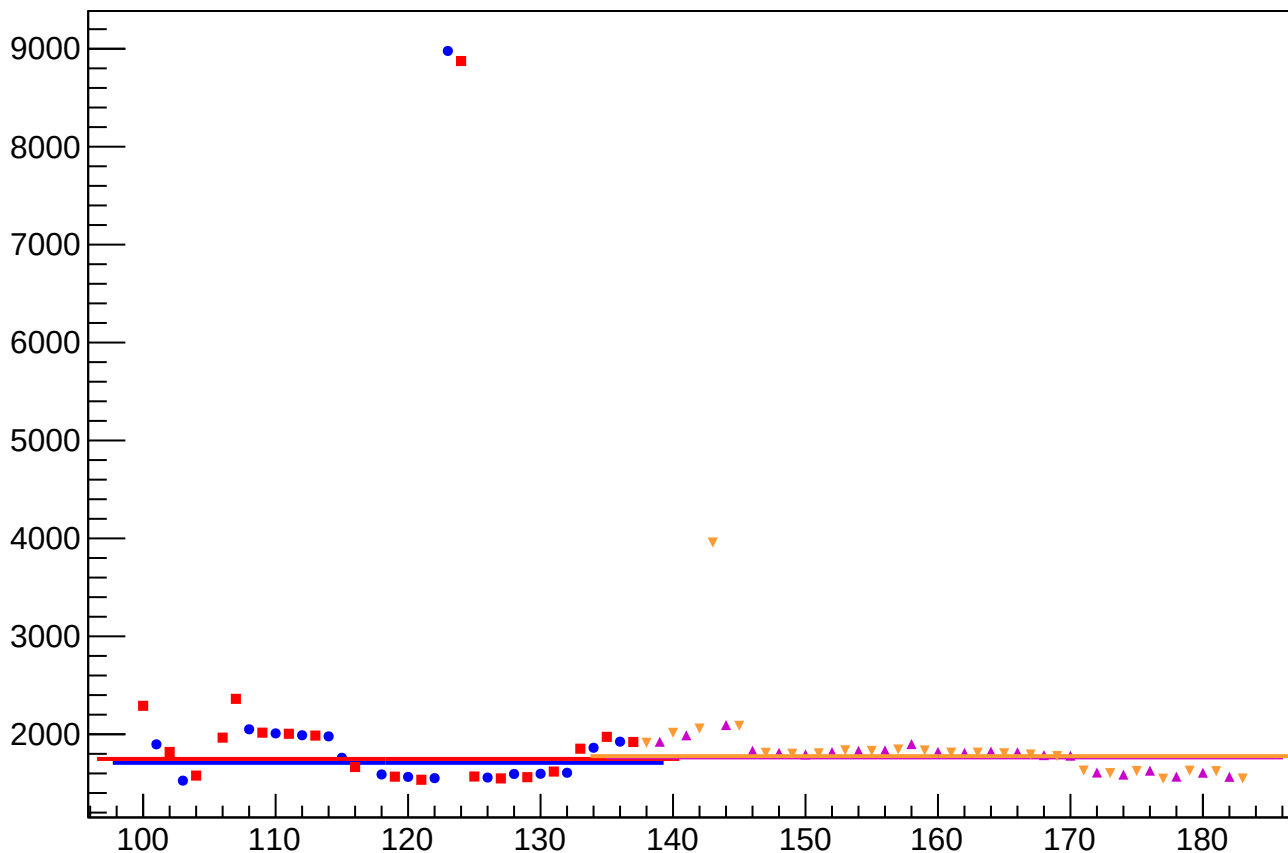
Left In: -2548.800 ± 427.936 χ^2/NDF : 29.3/21

+ sign 978.771 ± 356.955 χ^2/NDF : 49.0/40

All: -562.924 ± 253.869 χ^2/NDF : 139.5/81

- sign -2140.894 ± 361.130 χ^2/NDF : 52.8/40

reg_asym_atl_avg_rms vs Slug



Right In: 1708.196+/-0.475 χ^2/NDF : 195783.3/16

Left Out: 1776.569+/-0.298 χ^2/NDF : 689962.0/23

Right Out: 1748.067+/-0.474 χ^2/NDF : 396355.2/18

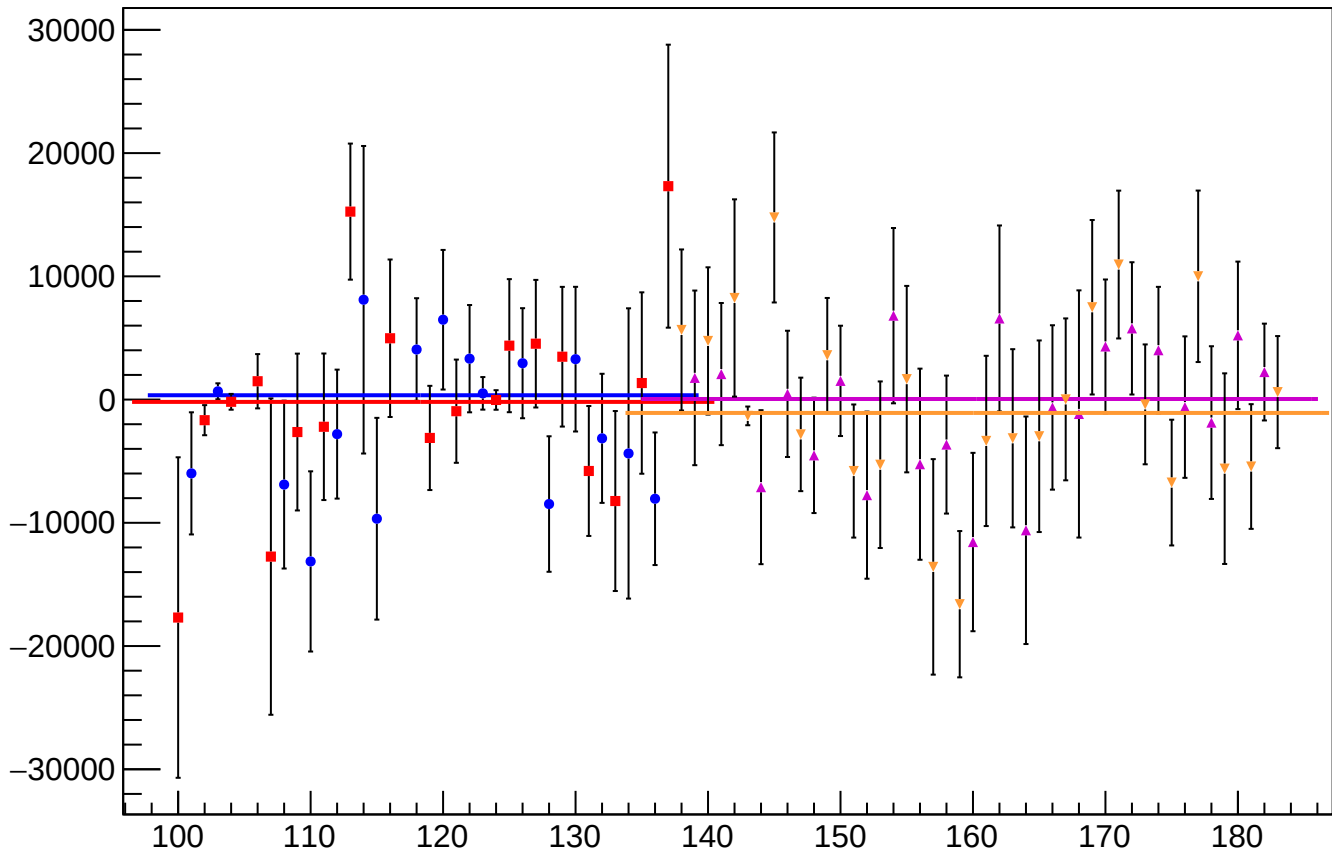
Left In: 1763.846+/-0.303 χ^2/NDF : 205404.6/21

+ sign 1757.284+/-0.252 χ^2/NDF : 900604.5/40

All: 1758.269+/-0.179 χ^2/NDF : 1503182.9/83

- sign 1759.275+/-0.255 χ^2/NDF : 602547.5/40

asym_atl_avg_correction_mean vs Slug



Right In: 350.603 $\pm$ 540.664 χ^2 /NDF: 17.3/16

Left Out: -1084.551 $\pm$ 650.060 χ^2 /NDF:30.9/23

Right Out: -188.213 $\pm$ 433.673 χ^2 /NDF: 20.8/18

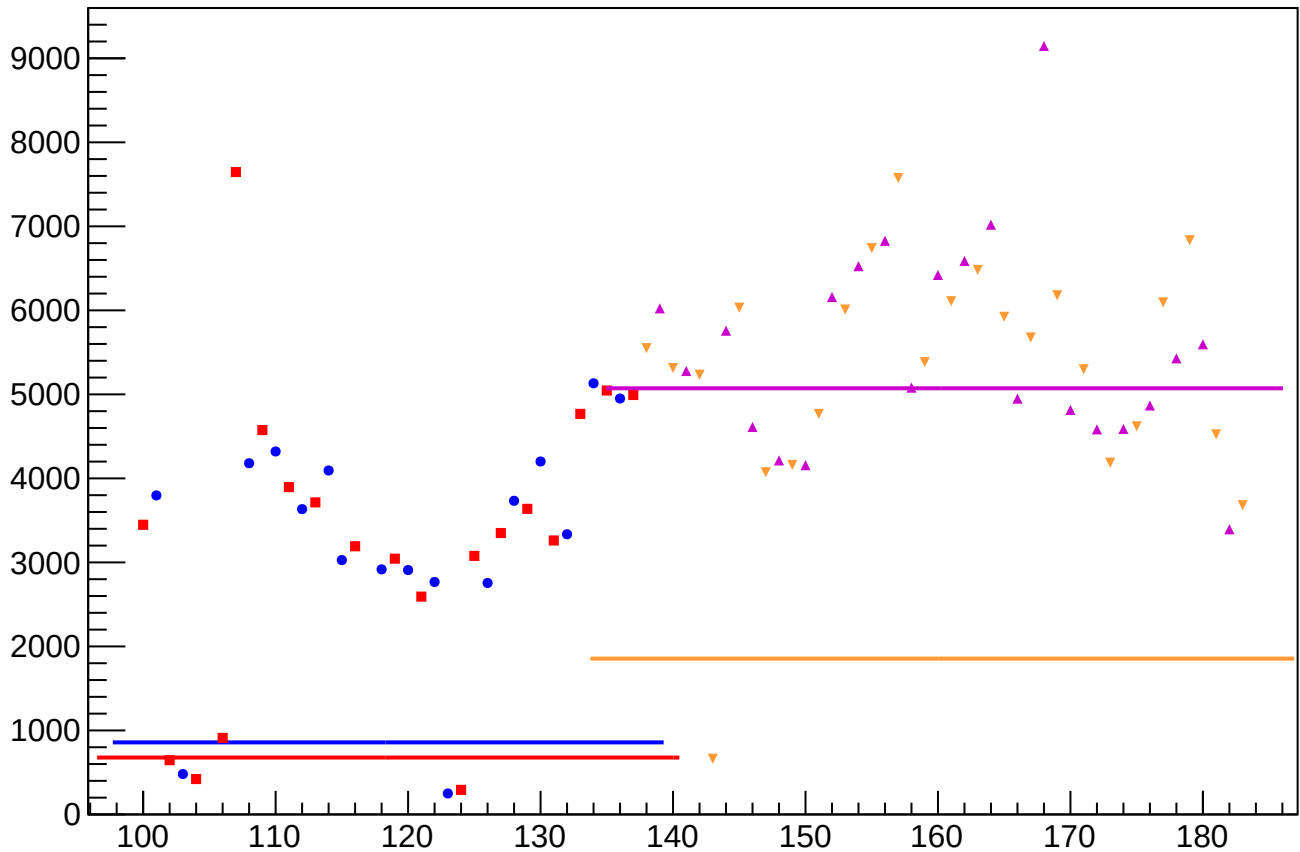
Left In: 46.836 $\pm$ 1254.338 χ^2 /NDF:13.9/21

+ sign -236.226 $\pm$ 415.681 χ^2 /NDF: 51.1/40

All: -199.156 $\pm$ 291.854 χ^2 /NDF: 85.8/81

- sign -163.117 $\pm$ 409.867 χ^2 /NDF: 34.7/40

asym_atl_avg_correction_rms vs Slug



Right In: 857.789 $\pm$ 0.382 χ^2 /NDF: 8126360.1/16

Left Out: 1855.011 $\pm$ 0.460 χ^2 /NDF:19730122.7/23

+ sign 1265.549 $\pm$ 0.294 χ^2 /NDF: 30638571.8/40

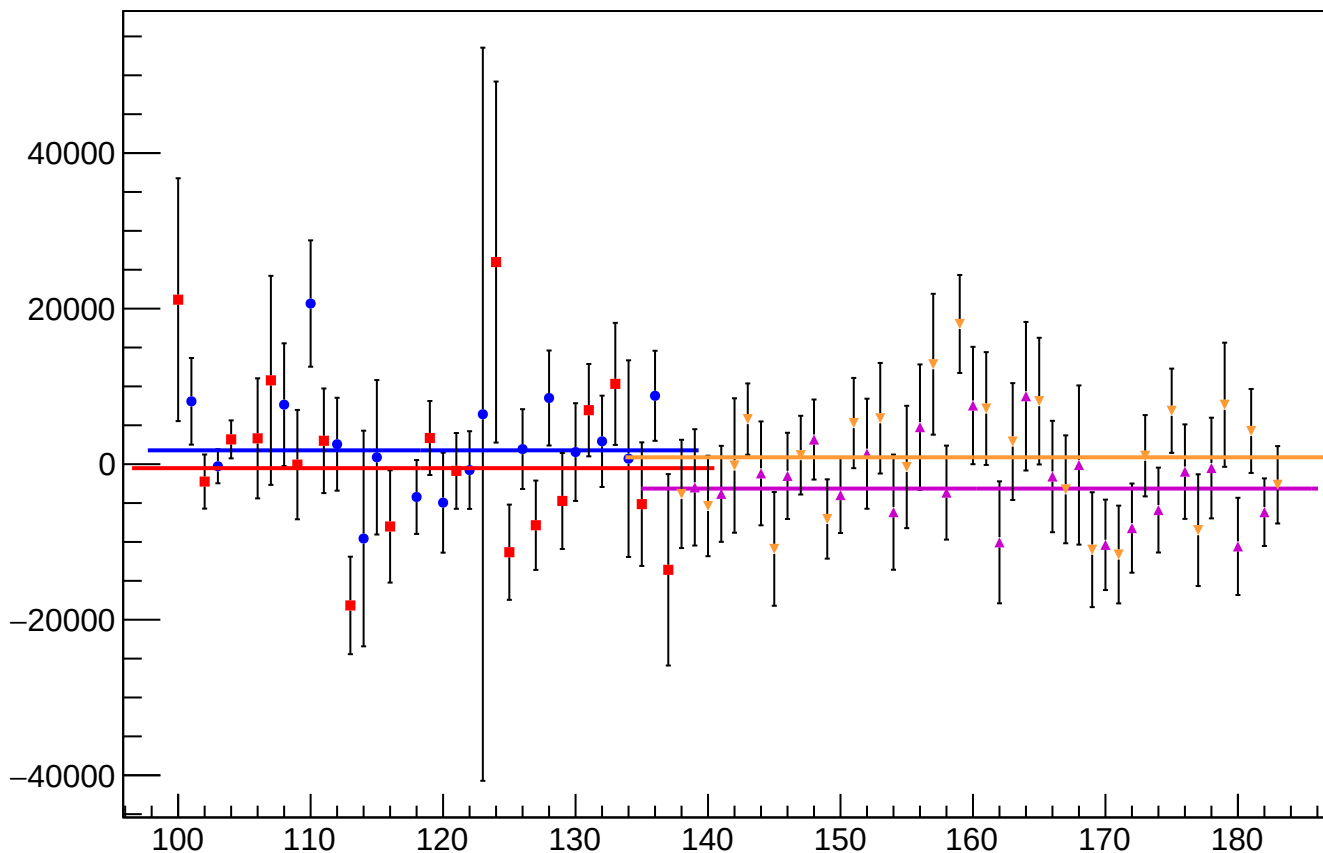
Right Out: 677.369 $\pm$ 0.307 χ^2 /NDF: 8357347.2/18

All: 1205.254 $\pm$ 0.206 χ^2 /NDF: 62476201.5/8

- sign 1146.635 $\pm$ 0.290 χ^2 /NDF: 31754641.1/40

Left In: 5072.392 $\pm$ 0.887 χ^2 /NDF:1464914.1/21

asym_atl_avg_mean vs Slug



Right In: 1778.180 $\pm$ 1313.267 χ^2 /NDF: 14.5/16

Left Out: 882.109 $\pm$ 1289.272 χ^2 /NDF:30.9/23

Right Out: -512.708 $\pm$ 1288.422 χ^2 /NDF: 26.9/18

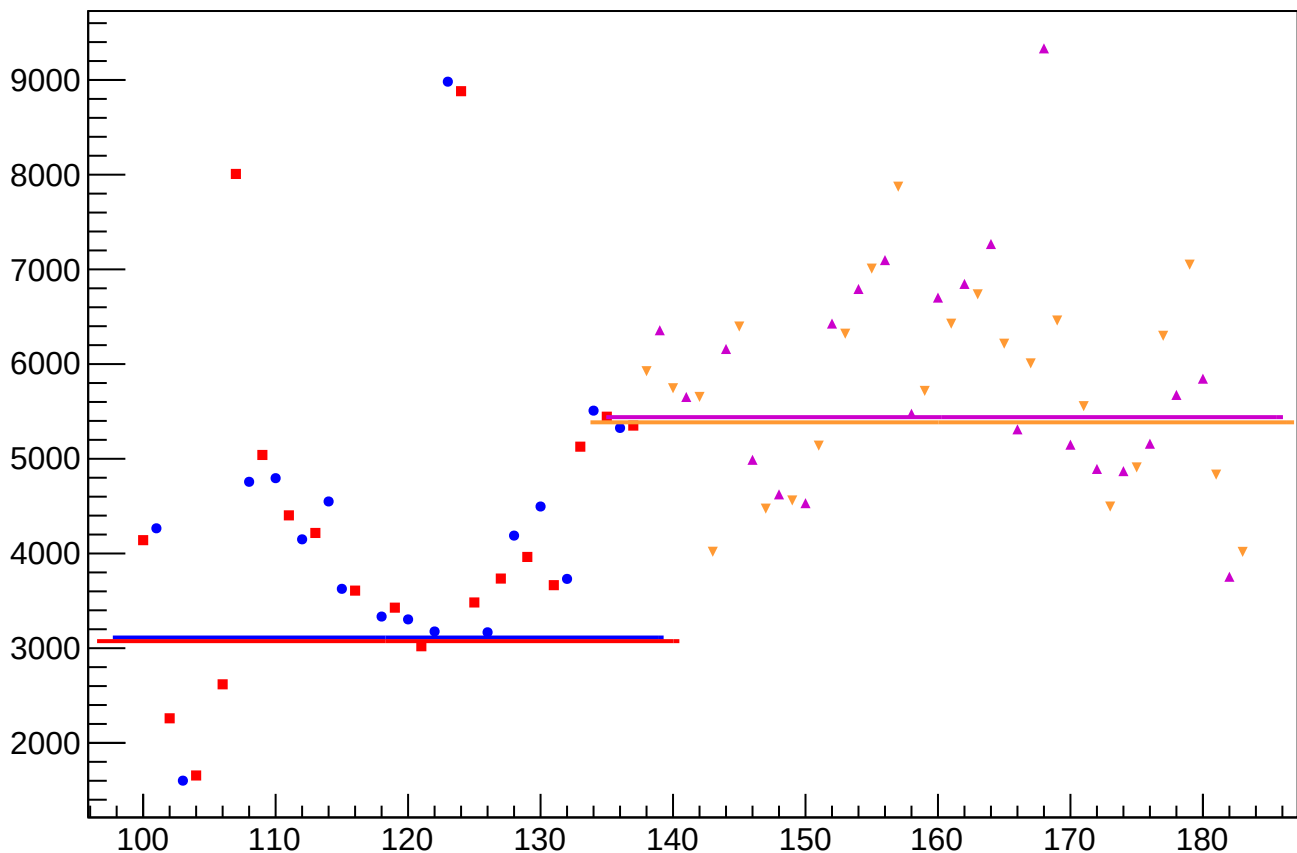
Left In: -3137.411 $\pm$ 1340.106 χ^2 /NDF:12.5/21

+ sign 1321.884 $\pm$ 920.019 χ^2 /NDF: 45.6/40

All: -211.116 $\pm$ 653.629 χ^2 /NDF: 92.6/81

- sign -1773.471 $\pm$ 928.786 χ^2 /NDF: 41.4/40

asym_atl_avg_rms vs Slug



Right In: 3112.592+/-0.929 χ^2/NDF : 1882559.8/16

Left Out: 5384.997+/-0.912 χ^2/NDF : 1185023.7/23

Right Out: 3074.355+/-0.898 χ^2/NDF : 2007121.5/18

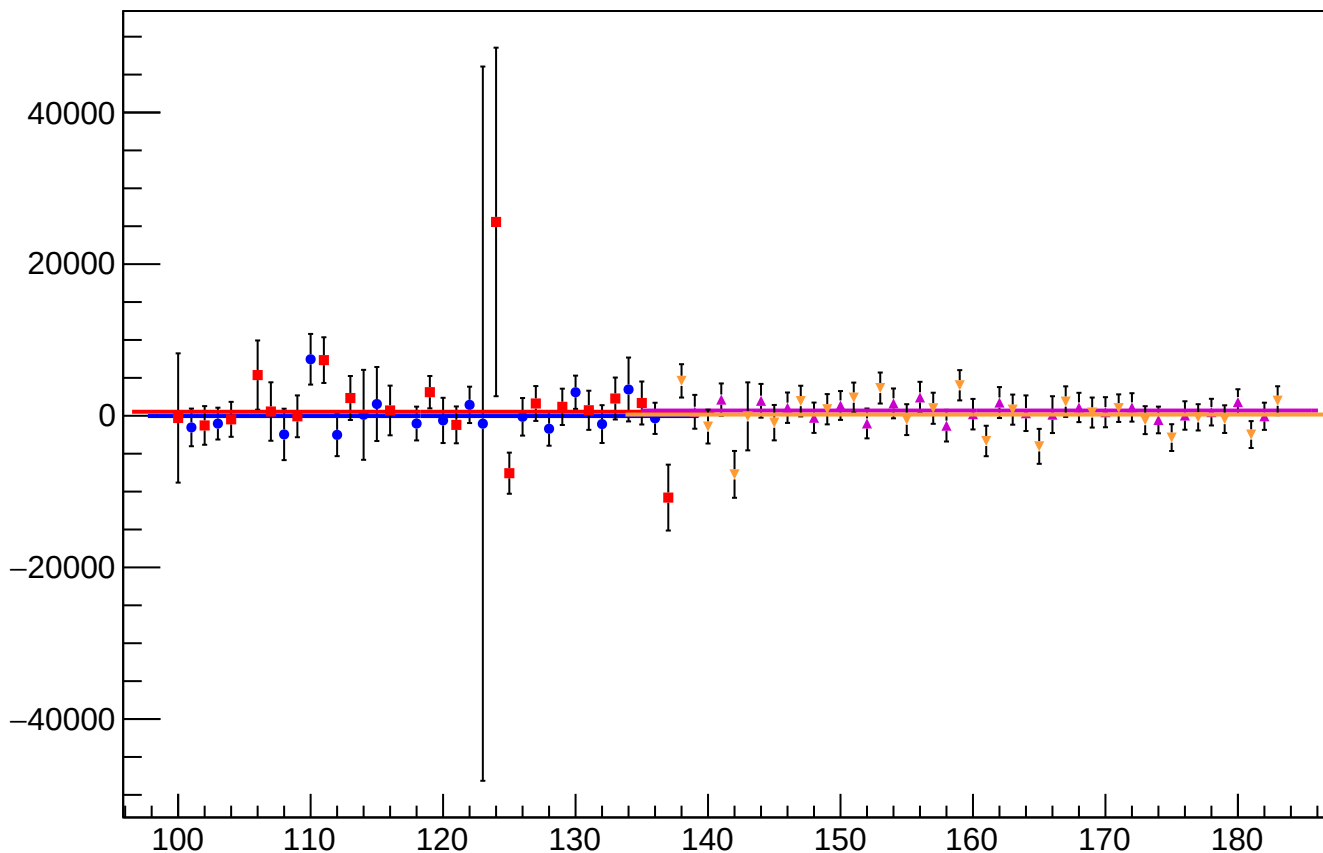
Left In: 5439.752+/-0.948 χ^2/NDF : 1224006.7/21

+ sign 4269.739+/-0.651 χ^2/NDF : 6116899.4/40

All: 4231.586+/-0.460 χ^2/NDF : 12638392.5/80

- sign 4193.294+/-0.652 χ^2/NDF : 6514601.7/40

reg_asym_atl_dd_mean vs Slug



Right In: -38.244 ± 662.838 χ^2/NDF : 11.1/16

Left Out: 161.915 ± 415.313 χ^2/NDF : 34.2/23

Right Out: 530.114 ± 663.235 χ^2/NDF : 27.1/18

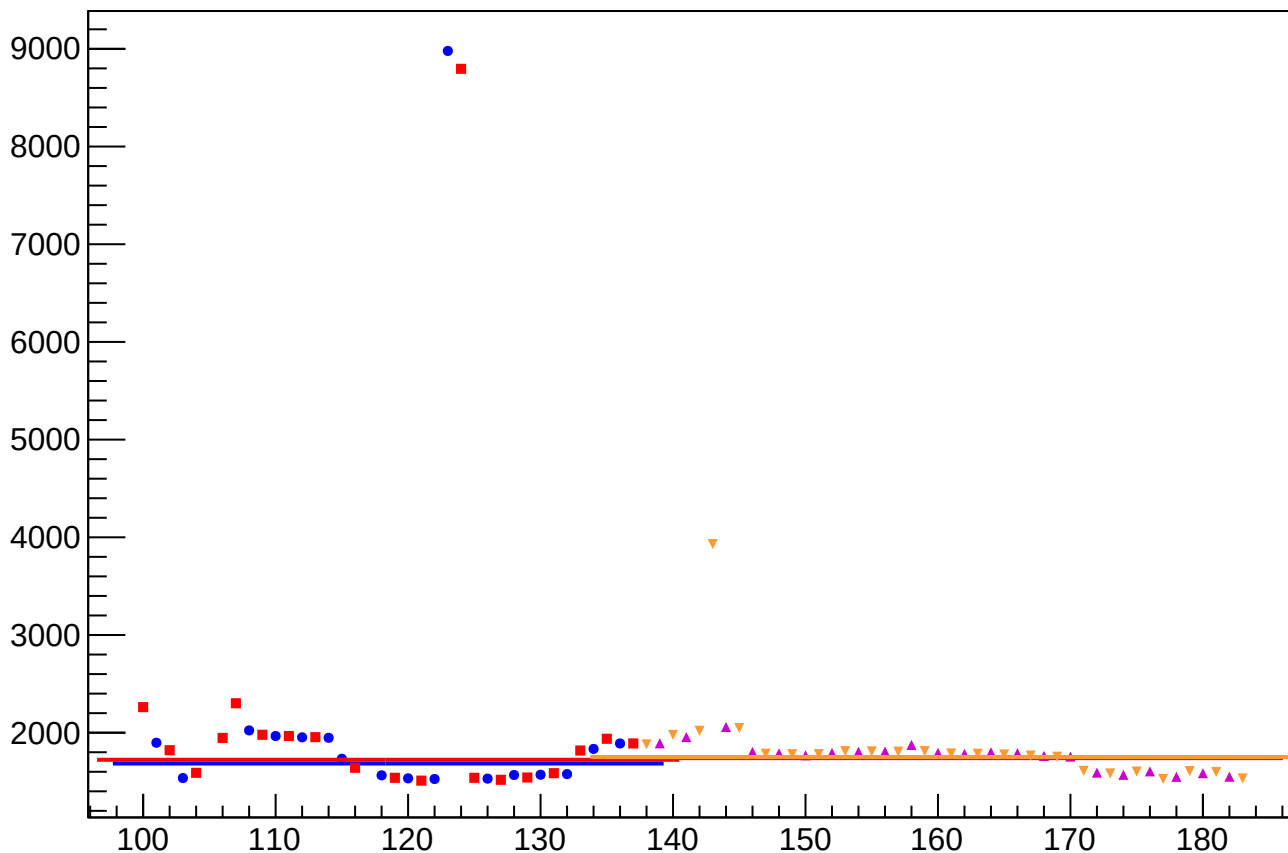
Left In: 688.809 ± 421.999 χ^2/NDF : 5.5/21

+ sign 105.488 ± 351.936 χ^2/NDF : 45.4/40

All: 371.167 ± 250.294 χ^2/NDF : 79.2/81

- sign 643.077 ± 356.039 χ^2/NDF : 32.7/40

reg_asym_atl_dd_rms vs Slug



Right In: 1684.672 $\pm$ 0.469 χ^2 /NDF: 194019.0/16

Left Out: 1751.479 $\pm$ 0.294 χ^2 /NDF: 687133.8/23

Right Out: 1723.015 $\pm$ 0.467 χ^2 /NDF: 392549.0/18

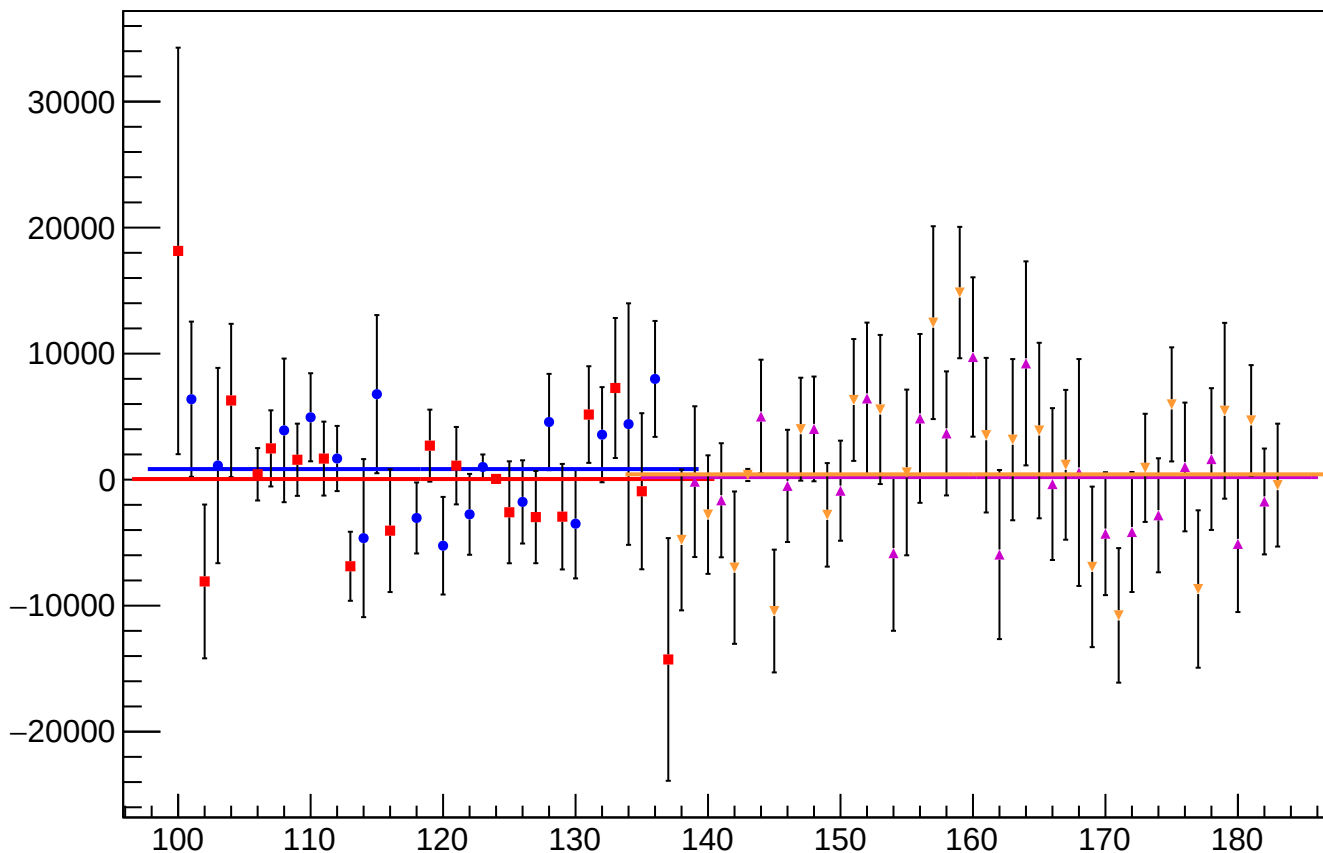
Left In: 1739.507 $\pm$ 0.298 χ^2 /NDF: 198160.6/21

+ sign 1732.645 $\pm$ 0.249 χ^2 /NDF: 895742.0/40

All: 1733.674 $\pm$ 0.177 χ^2 /NDF: 1487371.9/83

- sign 1734.725 $\pm$ 0.251 χ^2 /NDF: 591595.3/40

asym_atl_dd_correction_mean vs Slug



Right In: 838.236 $\pm$ 706.837 χ^2 /NDF: 15.6/16

Left Out: 420.677 $\pm$ 441.018 χ^2 /NDF:33.1/23

Right Out: 47.538 $\pm$ 357.307 χ^2 /NDF: 20.8/18

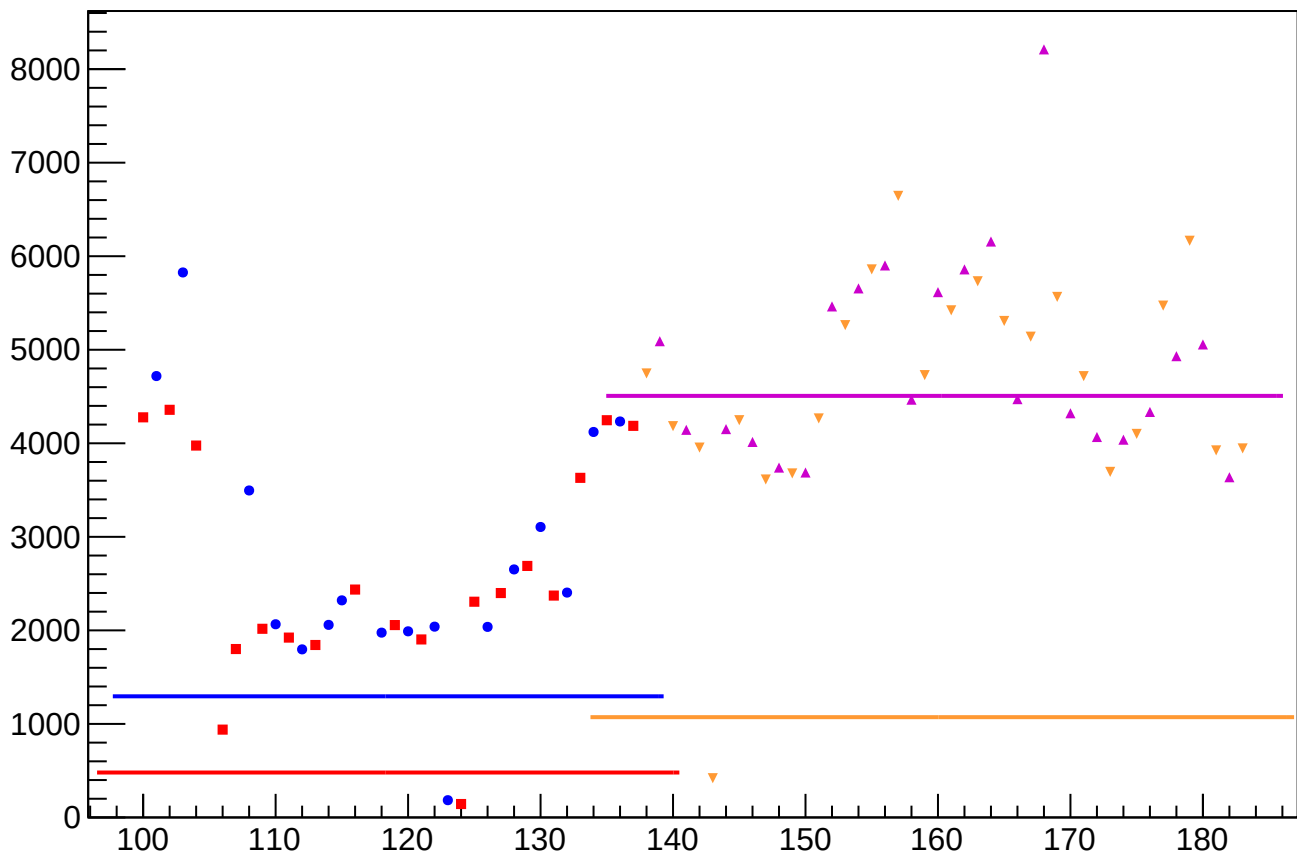
Left In: 201.847 $\pm$ 1108.809 χ^2 /NDF:13.0/21

+ sign 537.681 $\pm$ 374.162 χ^2 /NDF: 48.9/40

All: 277.227 $\pm$ 251.664 χ^2 /NDF: 83.6/81

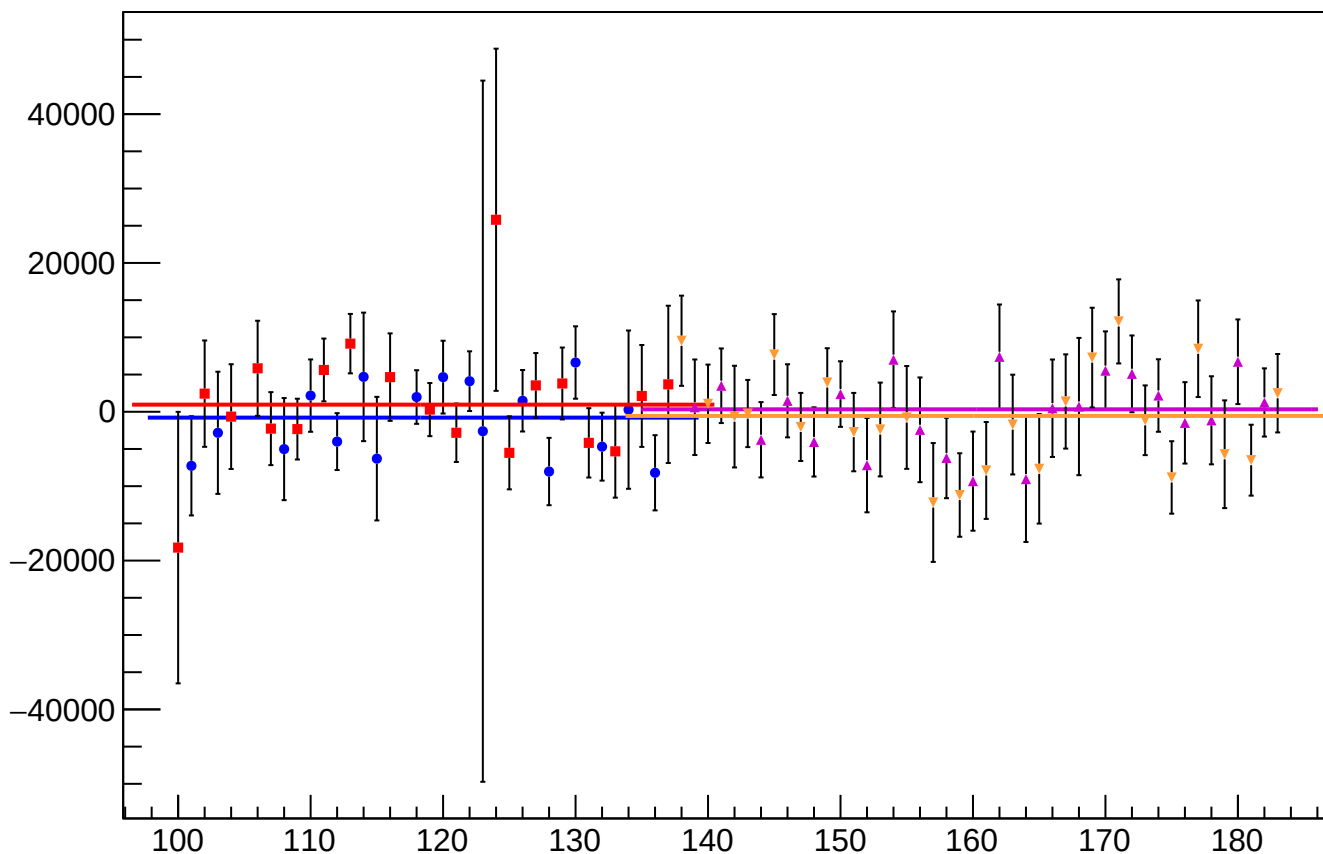
- sign 62.054 $\pm$ 340.086 χ^2 /NDF: 33.8/40

asym_atl_dd_correction_rms vs Slug



Right In: 1295.065+/-0.500	χ^2/NDF : 6509427.9/16	+ sign 1134.606+/-0.265	χ^2/NDF : 30847969.0/40
Left Out: 1072.140+/-0.312	χ^2/NDF : 24195350.7/23	All: 983.787+/-0.178	χ^2/NDF : 66605716.2/83
Right Out: 480.403+/-0.253	χ^2/NDF : 10116692.6/18	- sign 859.189+/-0.240	χ^2/NDF : 35164336.1/40
Left In: 4506.926+/-0.784	χ^2/NDF : 1154680.6/21		

asym_atl_dd_mean vs Slug



Right In: -786.677+/-1265.533 χ^2/NDF : 14.7/16

Left Out: -558.939+/-1157.998 χ^2/NDF : 28.2/23

Right Out: 957.432+/-1194.177 χ^2/NDF : 15.6/18

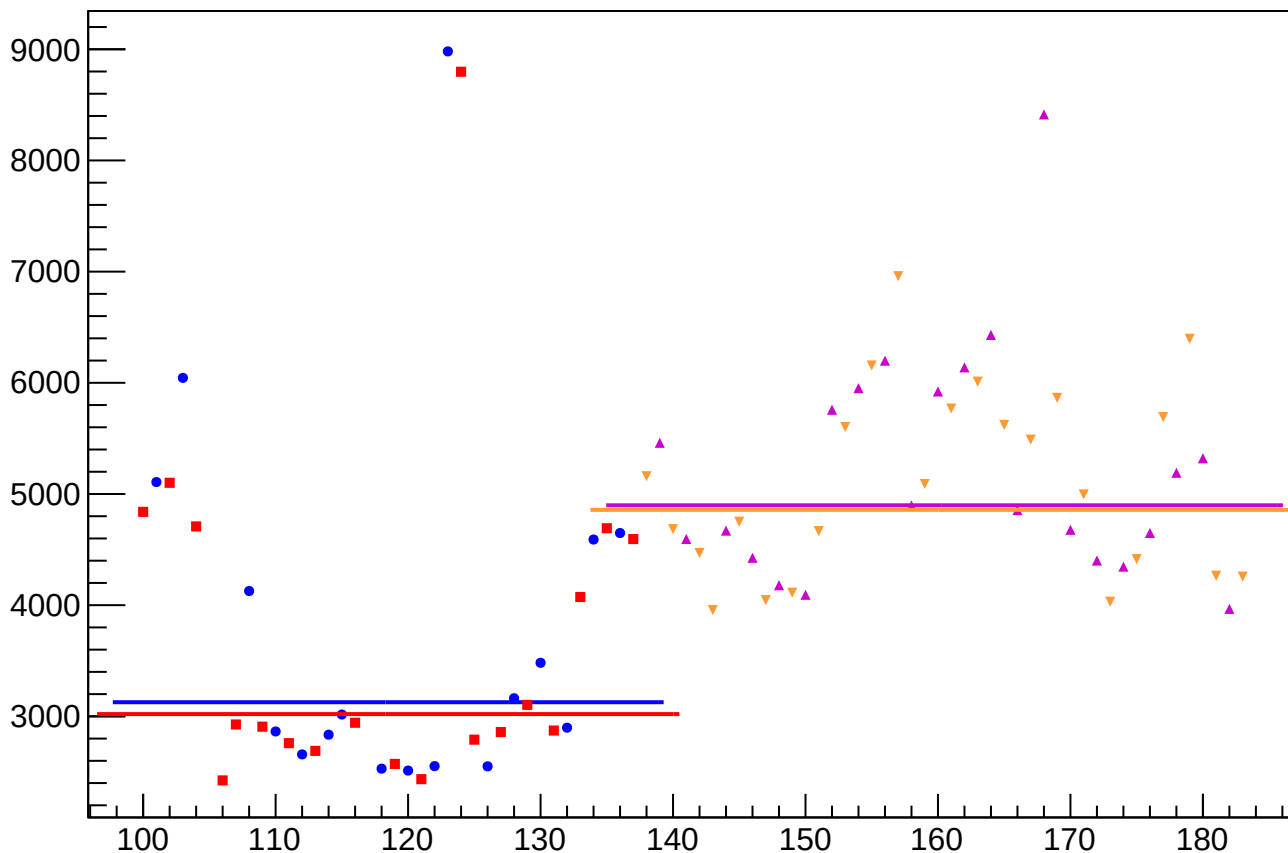
Left In: 328.468+/-1201.082 χ^2/NDF : 14.1/21

+ sign -662.723+/-854.320 χ^2/NDF : 42.9/40

All: -3.232+/-601.434 χ^2/NDF : 73.9/81

- sign 644.763+/-846.841 χ^2/NDF : 29.8/40

asym_atl_dd_rms vs Slug



Right In: 3127.109+/-0.895 $\chi^2/\text{NDF}: 942783.2/16$

Left Out: 4857.379+/-0.819 $\chi^2/\text{NDF}: 898188.8/23$

Right Out: 3020.357+/-0.834 $\chi^2/\text{NDF}: 791453.3/18$

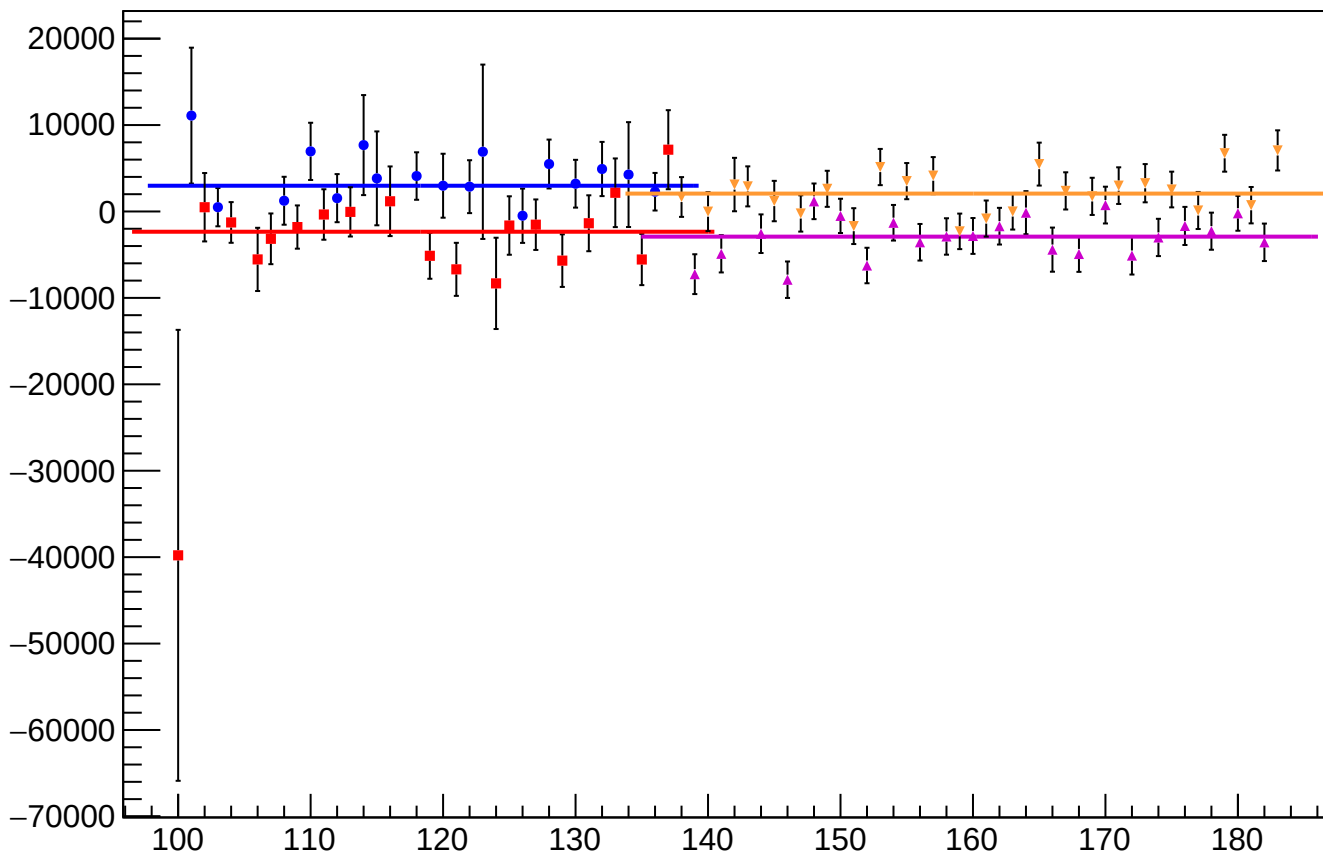
Left In: 4898.395+/-0.849 $\chi^2/\text{NDF}: 933774.8/21$

+ sign 4068.863+/-0.604 $\chi^2/\text{NDF}: 3875851.0/40$

All: 4004.539+/-0.424 $\chi^2/\text{NDF}: 8113216.5/81$

- sign 3942.136+/-0.595 $\chi^2/\text{NDF}: 4215028.2/40$

reg_asym_atr_avg_mean vs Slug



Right In: 2978.237 $\pm$ 777.589 χ^2 /NDF: 8.0/16

Left Out: 2069.039 $\pm$ 446.319 χ^2 /NDF:29.9/23

Right Out: -2344.712 $\pm$ 742.207 χ^2 /NDF: 18.1/18

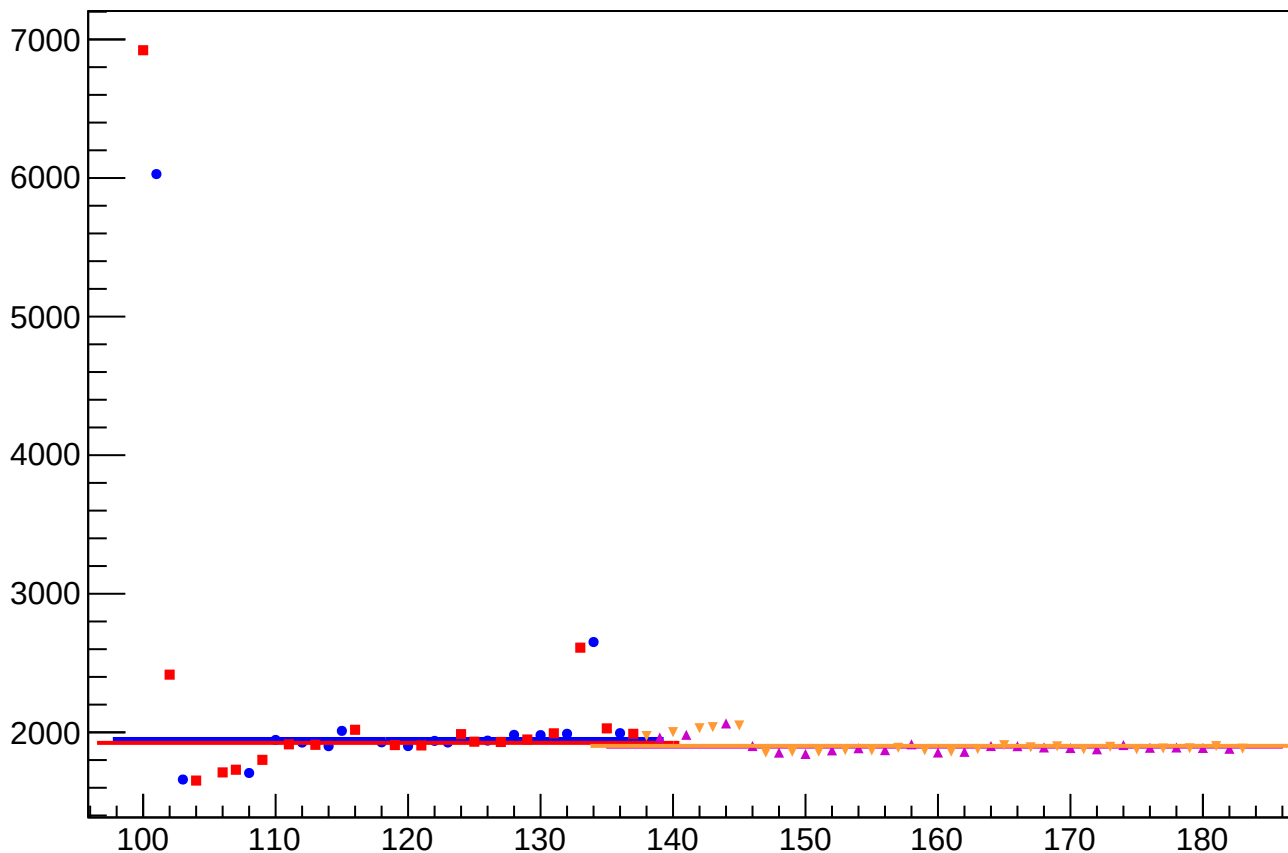
Left In: -2911.985 $\pm$ 458.091 χ^2 /NDF:27.8/21

+ sign 2294.347 $\pm$ 387.087 χ^2 /NDF: 38.9/40

All: -212.810 $\pm$ 274.673 χ^2 /NDF: 169.8/81

- sign -2755.500 $\pm$ 389.821 χ^2 /NDF: 46.4/40

reg_asym_atr_avg_rms vs Slug



Right In: 1952.104 $\pm$ 0.550 χ^2 /NDF: 617388.5/16

Left Out: 1902.374 $\pm$ 0.316 χ^2 /NDF: 30274.4/23

Right Out: 1924.009 $\pm$ 0.524 χ^2 /NDF: 217499.2/18

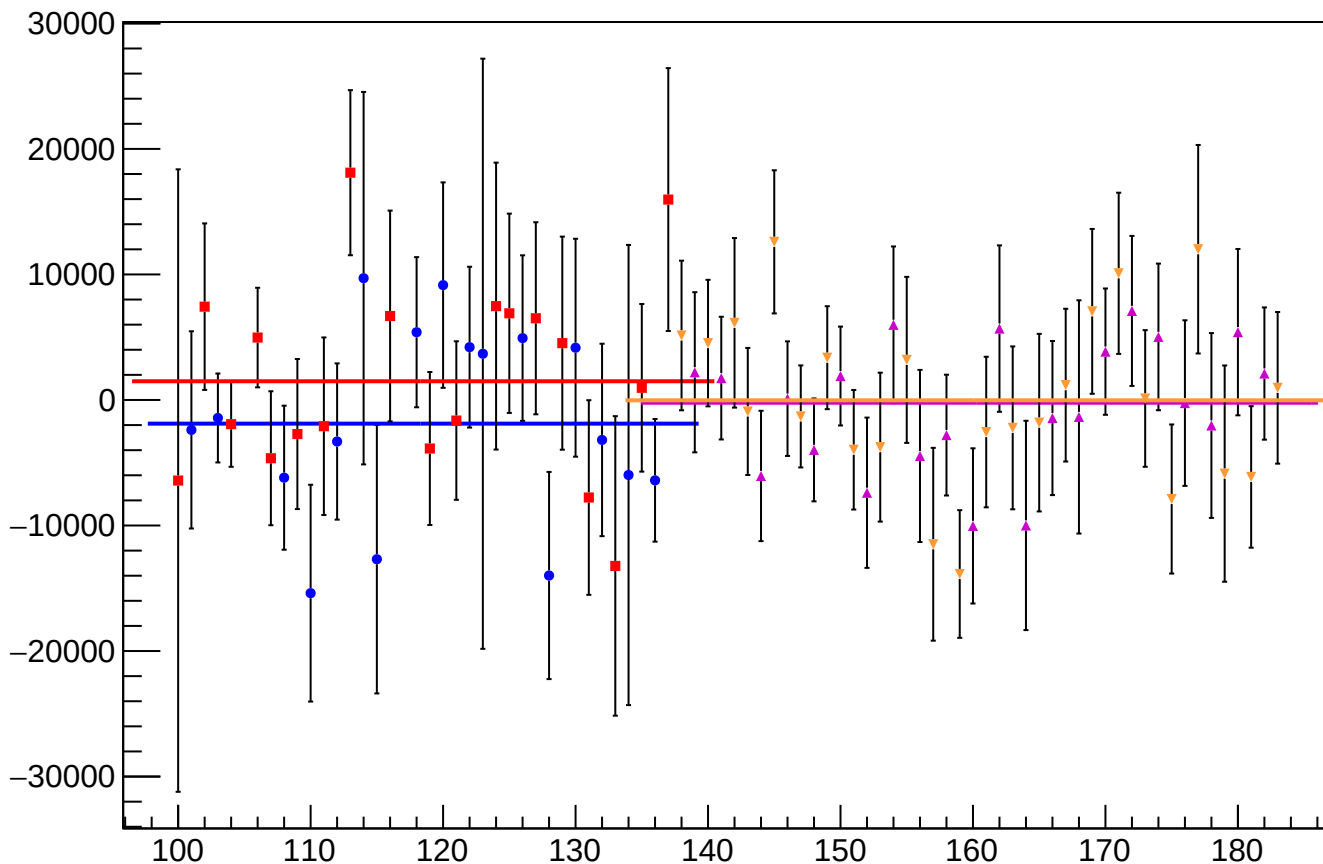
Left In: 1896.971 $\pm$ 0.324 χ^2 /NDF: 21034.5/21

+ sign 1914.697 $\pm$ 0.274 χ^2 /NDF: 653816.2/40

All: 1909.609 $\pm$ 0.194 χ^2 /NDF: 894974.2/81

- sign 1904.455 $\pm$ 0.275 χ^2 /NDF: 240462.3/40

asym_atr_avg_correction_mean vs Slug



Right In: -1885.502 ± 1665.011 χ^2/NDF : 13.6/16

Left Out: -26.990 ± 1174.239 χ^2/NDF : 28.6/23

Right Out: 1490.988 ± 1479.647 χ^2/NDF : 18.7/18

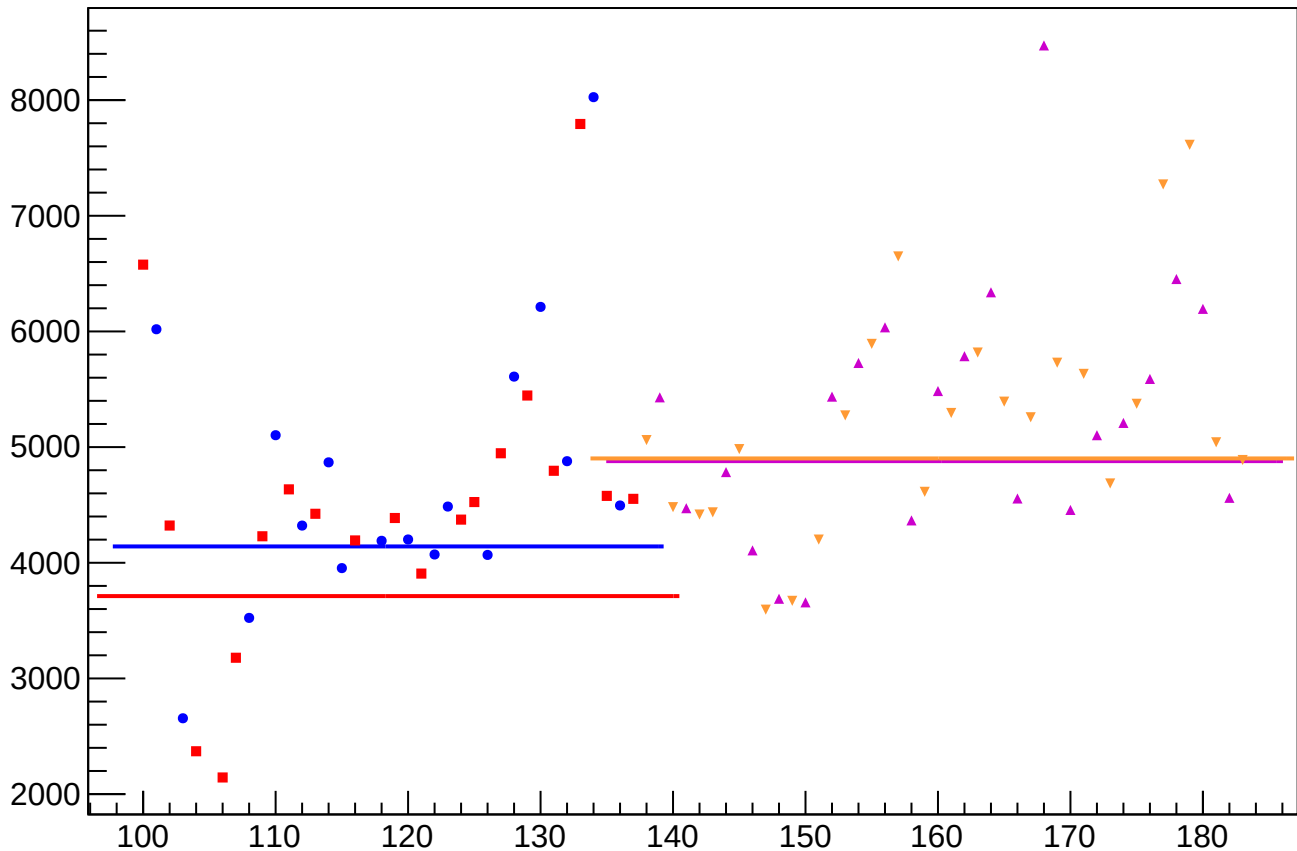
Left In: -218.907 ± 1202.052 χ^2/NDF : 14.5/21

+ sign -644.316 ± 959.604 χ^2/NDF : 43.1/40

All: -76.154 ± 668.931 χ^2/NDF : 77.7/81

- sign 460.918 ± 932.979 χ^2/NDF : 34.0/40

asym_atr_avg_correction_rms vs Slug



Right In: 4141.263 $\pm$ 1.177 χ^2 /NDF: 818140.6/16

Left Out: 4902.011 $\pm$ 0.830 χ^2 /NDF:1136872.4/23

+ sign 4649.320 $\pm$ 0.679 χ^2 /NDF: 2233848.7/40

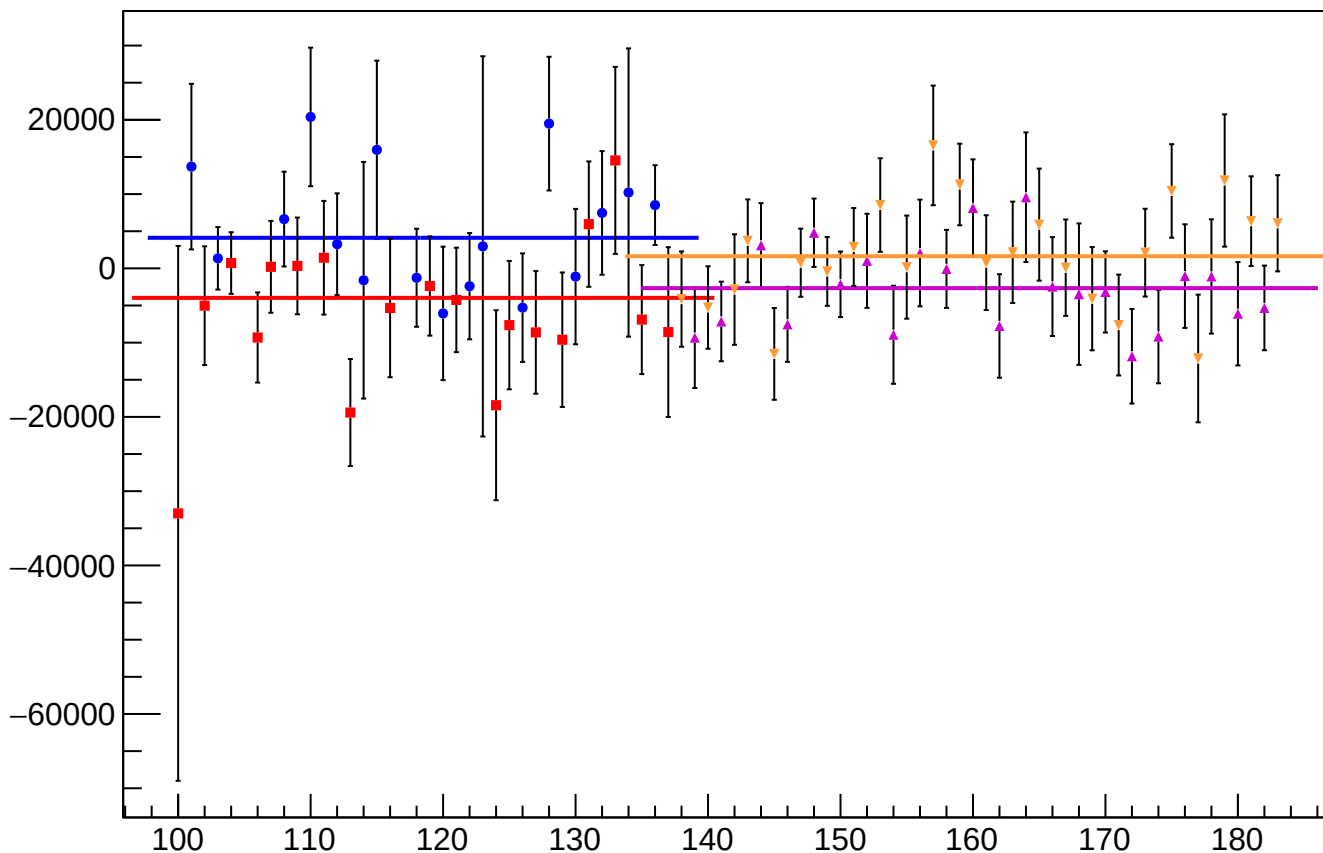
Right Out: 3711.958 $\pm$ 1.046 χ^2 /NDF: 1276723.1/18

All: 4528.824 $\pm$ 0.473 χ^2 /NDF: 5549406.7/83

Left In: 4878.863 $\pm$ 0.850 χ^2 /NDF:1228144.4/21

- sign 4414.922 $\pm$ 0.660 χ^2 /NDF: 3254214.0/40

asym_atr_avg_mean vs Slug



Right In: 4116.431 $\pm$ 1876.246 χ^2 /NDF: 14.1/16

Left Out: 1636.597 $\pm$ 1270.911 χ^2 /NDF:25.3/23

Right Out: -3971.073 $\pm$ 1728.385 χ^2 /NDF: 14.8/18

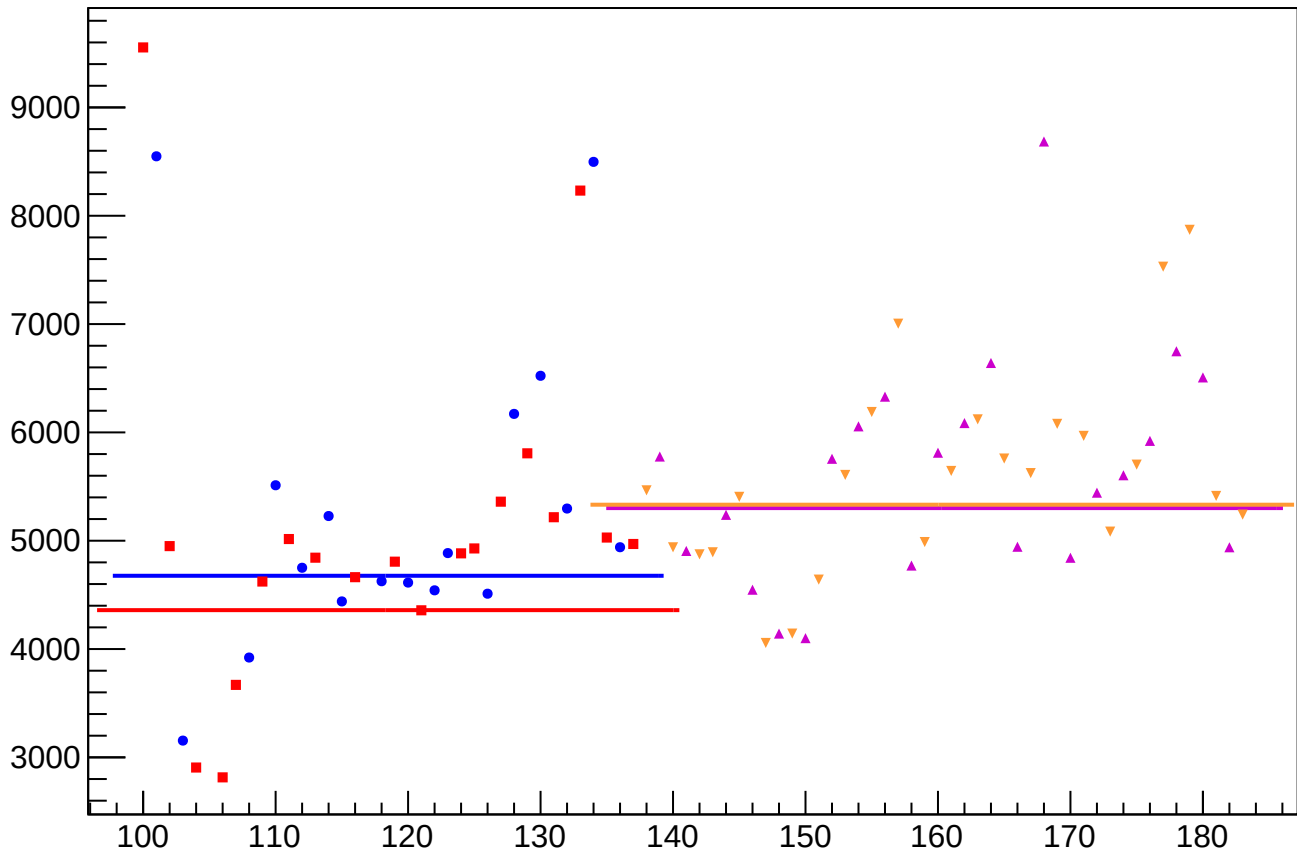
Left In: -2660.721 $\pm$ 1300.056 χ^2 /NDF:17.1/21

+ sign 2416.552 $\pm$ 1052.236 χ^2 /NDF: 40.6/40

All: -394.071 $\pm$ 739.303 χ^2 /NDF: 87.0/81

- sign -3134.201 $\pm$ 1038.957 χ^2 /NDF: 32.3/40

asym_atr_avg_rms vs Slug



Right In: 4676.405+/-1.327 χ^2/NDF : 783034.3/16

Left Out: 5332.545+/-0.899 χ^2/NDF : 867779.2/23

Right Out: 4359.077+/-1.215 χ^2/NDF : 833565.3/18

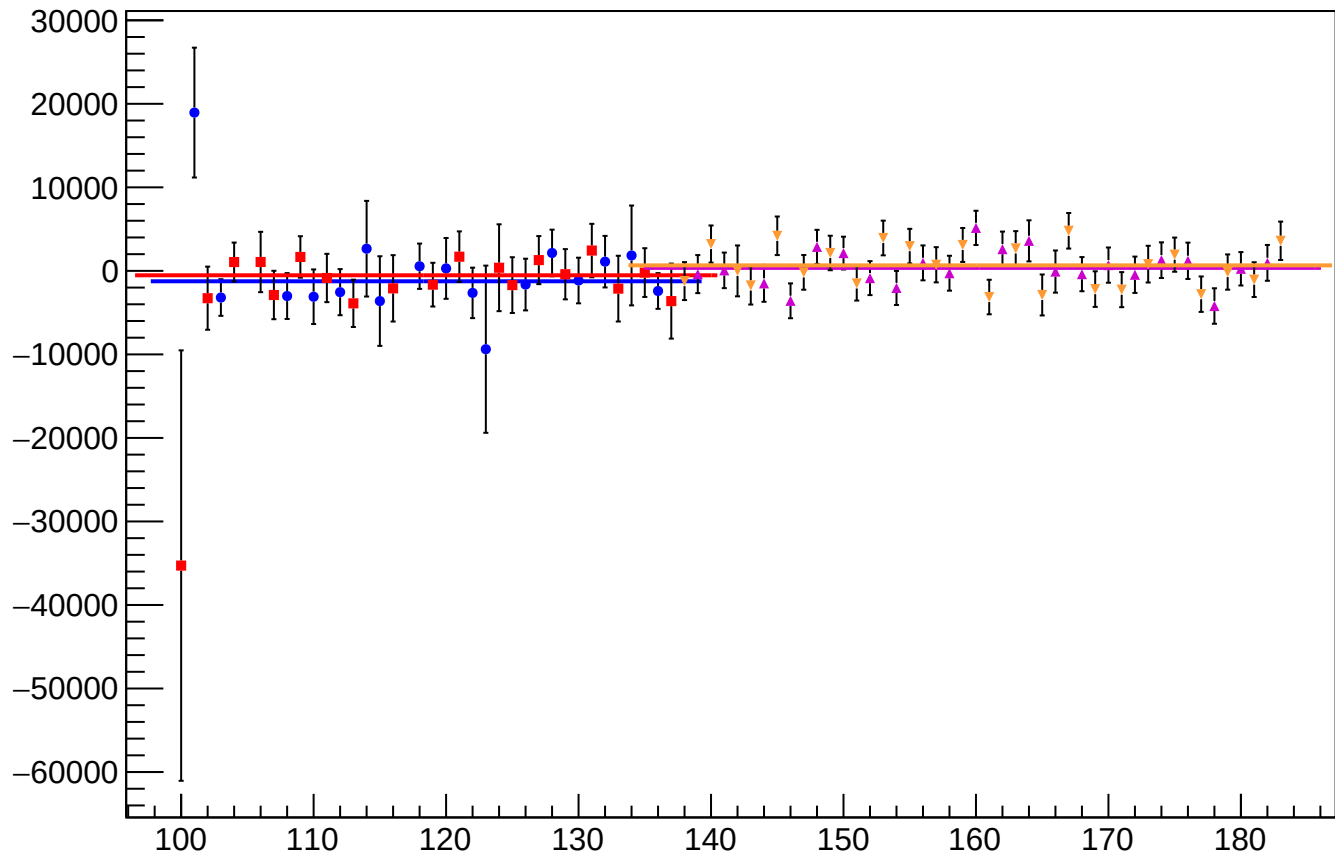
Left In: 5301.174+/-0.919 χ^2/NDF : 955484.7/21

+ sign 5126.177+/-0.744 χ^2/NDF : 1818477.4/40

All: 5040.958+/-0.522 χ^2/NDF : 4015702.0/83

- sign 4958.227+/-0.733 χ^2/NDF : 2171371.2/40

reg_asym_atr_dd_mean vs Slug



Right In: -1245.595 ± 767.454 χ^2/NDF : 13.3/16

Left Out: 659.890 ± 441.357 χ^2/NDF : 31.9/23

Right Out: -528.673 ± 732.449 χ^2/NDF : 8.8/18

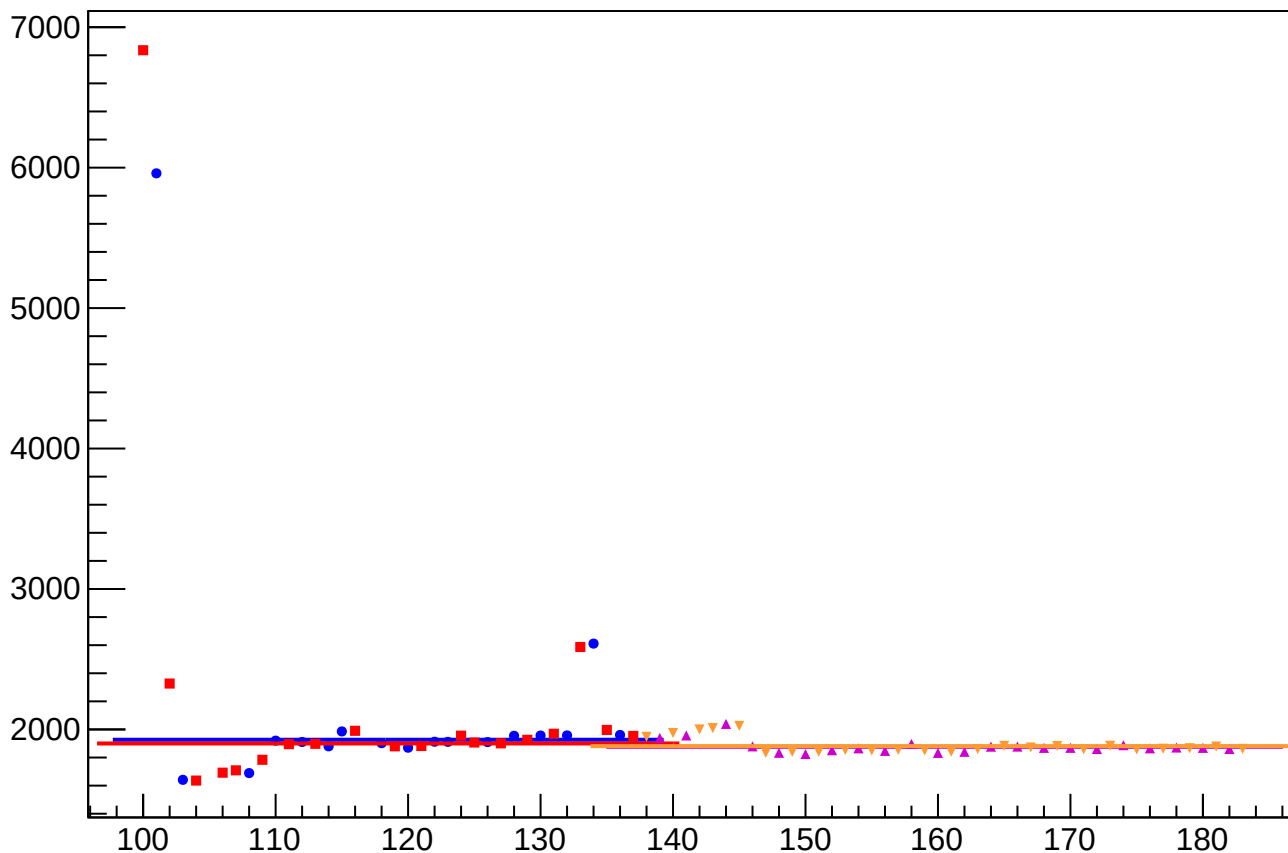
Left In: 356.834 ± 453.096 χ^2/NDF : 22.4/21

+ sign 186.312 ± 382.600 χ^2/NDF : 49.8/40

All: 149.301 ± 271.499 χ^2/NDF : 82.0/81

- sign 111.760 ± 385.328 χ^2/NDF : 32.2/40

reg_asym_atr_dd_rms vs Slug



Right In: 1926.691+/-0.543 χ^2/NDF : 615898.2/16

Left Out: 1881.290+/-0.312 χ^2/NDF : 28484.5/23

Right Out: 1900.134+/-0.517 χ^2/NDF : 210983.9/18

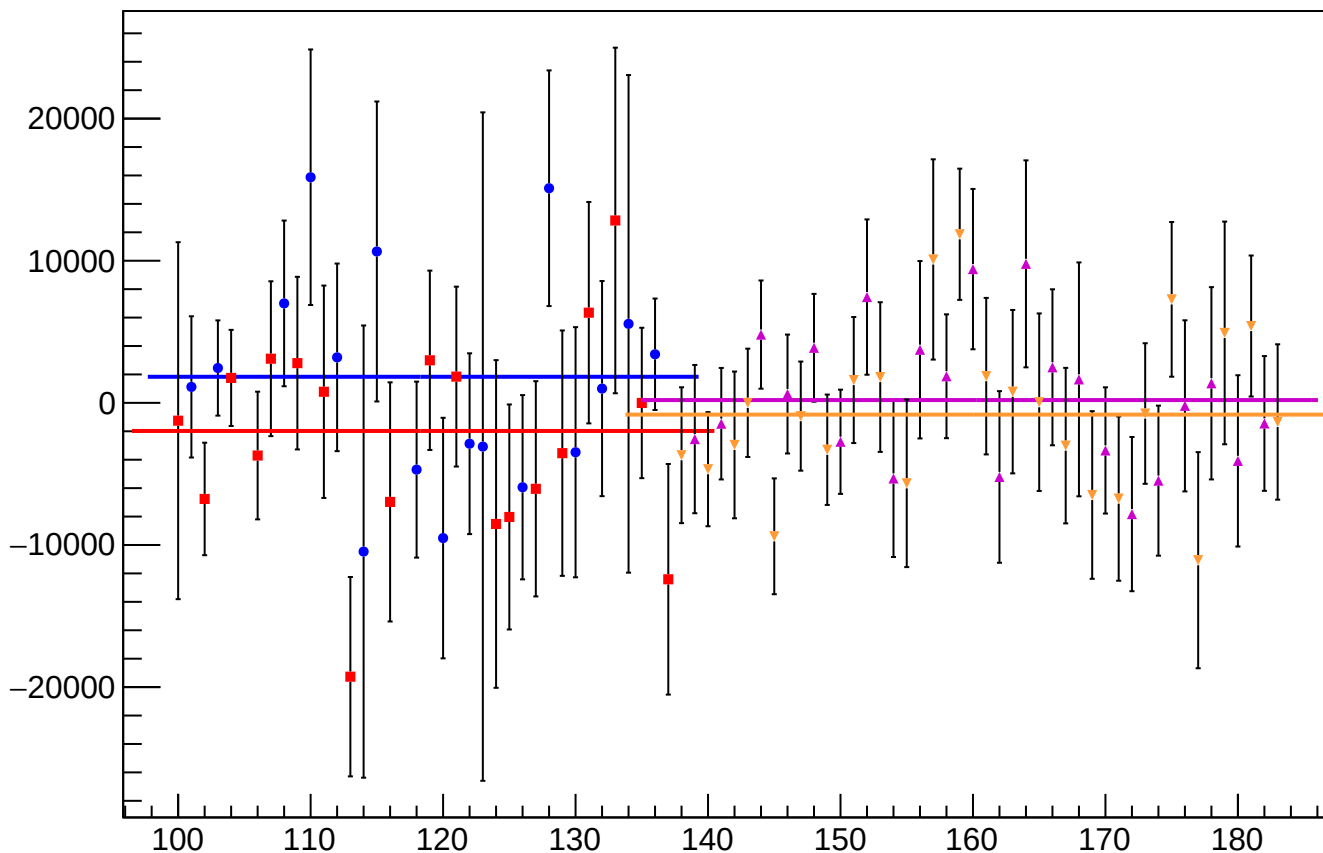
Left In: 1876.293+/-0.320 χ^2/NDF : 20403.0/21

+ sign 1892.574+/-0.271 χ^2/NDF : 649642.4/40

All: 1887.775+/-0.192 χ^2/NDF : 883200.5/81

- sign 1882.913+/-0.272 χ^2/NDF : 232924.5/40

asym_atr_dd_correction_mean vs Slug



Right In: 1834.690 $\pm$ 1559.964 χ^2 /NDF: 12.7/16

Left Out: -826.827 $\pm$ 1024.561 χ^2 /NDF: 26.1/23

Right Out: -1977.025 $\pm$ 1415.600 χ^2 /NDF: 17.5/18

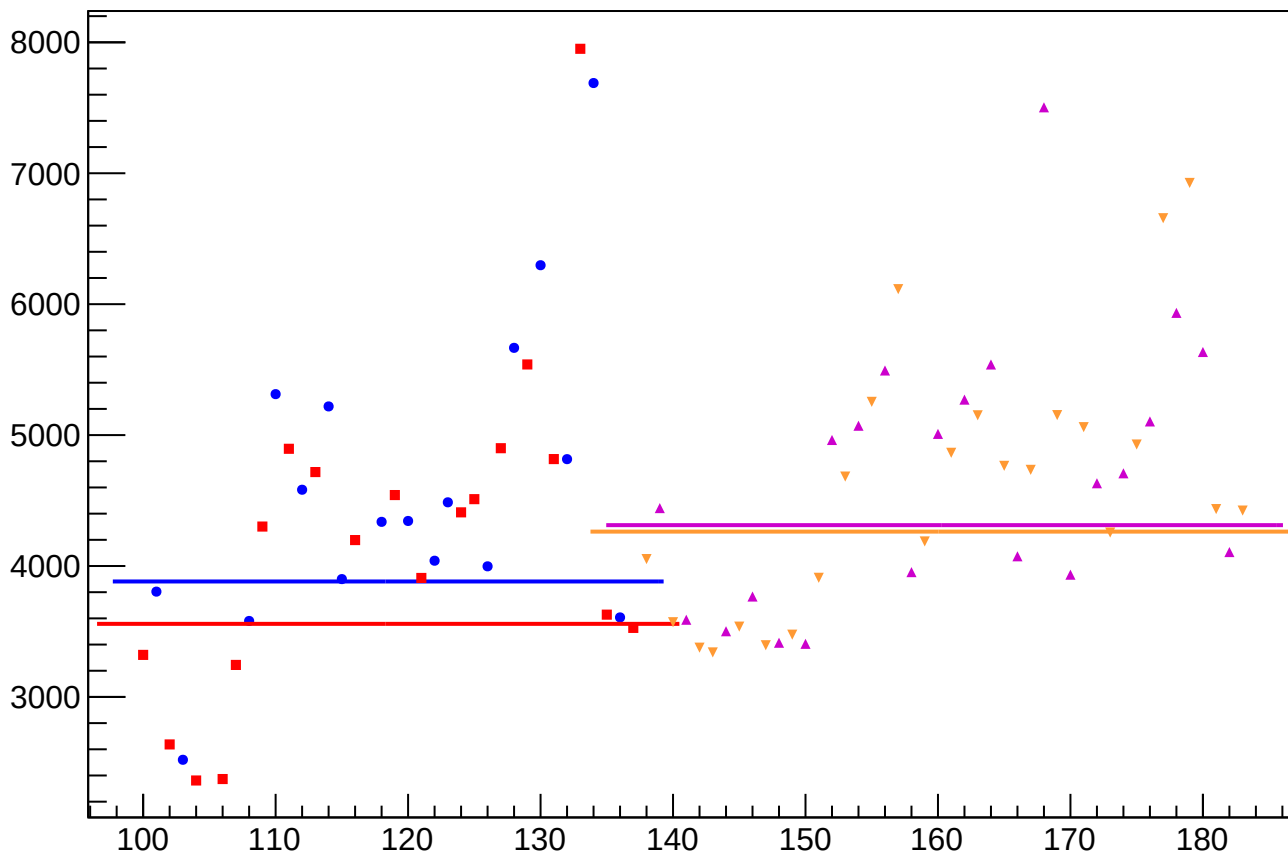
Left In: 196.191 $\pm$ 1063.504 χ^2 /NDF: 16.8/21

+ sign -24.735 $\pm$ 856.372 χ^2 /NDF: 40.8/40

All: -308.310 $\pm$ 603.382 χ^2 /NDF: 76.9/81

- sign -587.867 $\pm$ 850.283 χ^2 /NDF: 35.8/40

asym_atr_dd_correction_rms vs Slug



Right In: 3881.913+/-1.103 χ^2/NDF : 821979.1/16

Left Out: 4262.790+/-0.724 χ^2/NDF : 1354514.6/23

Right Out: 3558.184+/-1.001 χ^2/NDF : 1242011.6/18

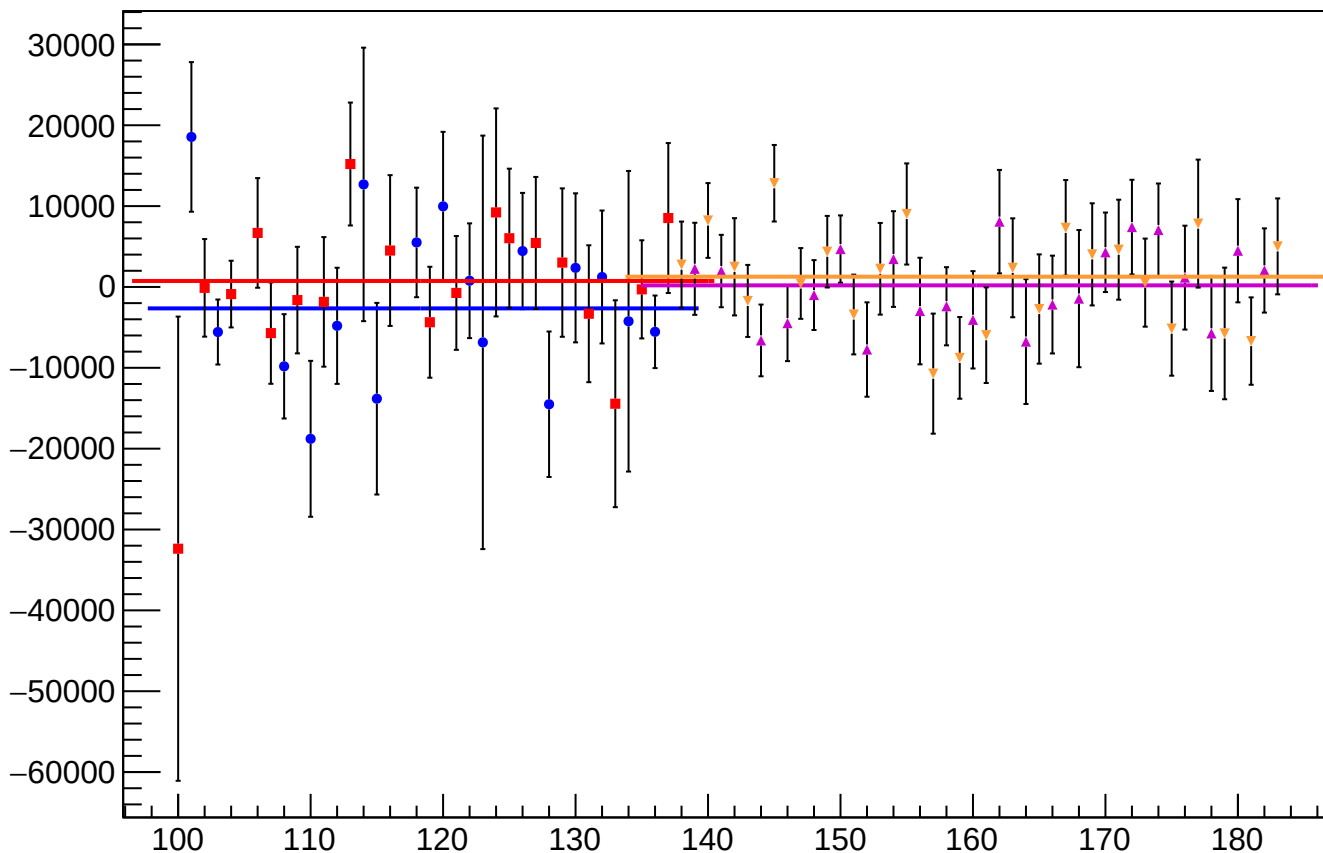
Left In: 4312.161+/-0.752 χ^2/NDF : 1304195.4/21

+ sign 4148.007+/-0.606 χ^2/NDF : 2259788.8/40

All: 4093.688+/-0.427 χ^2/NDF : 5184646.4/83

- sign 4040.139+/-0.601 χ^2/NDF : 2908878.8/40

asym_atr_dd_mean vs Slug



Right In: -2650.826+/-1813.388 χ^2/NDF : 18.9/16

Left Out: 1268.977+/-1134.542 χ^2/NDF : 27.0/23

Right Out: 739.638+/-1693.226 χ^2/NDF : 11.5/18

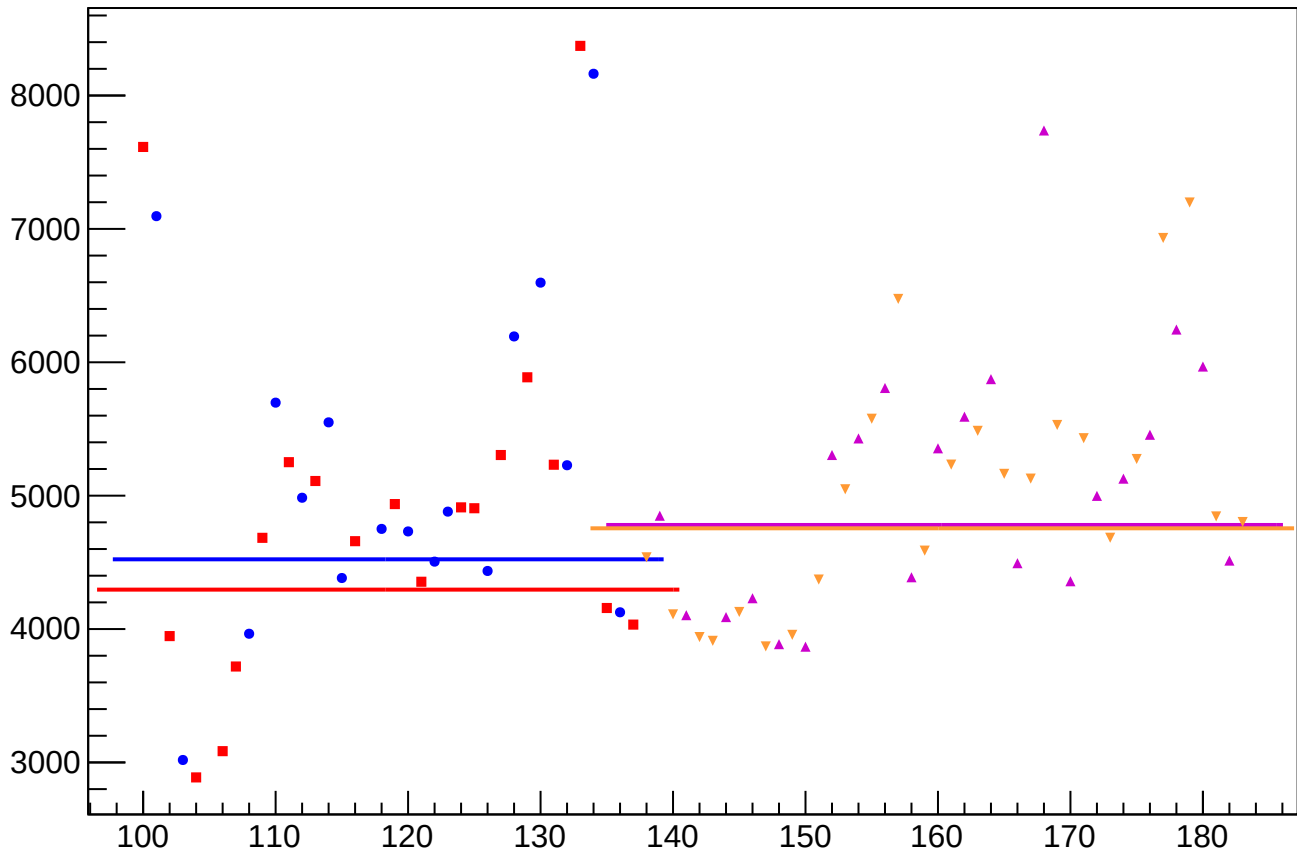
Left In: 196.387+/-1171.961 χ^2/NDF : 15.5/21

+ sign 166.268+/-961.809 χ^2/NDF : 49.2/40

All: 269.110+/-680.752 χ^2/NDF : 76.3/81

- sign 372.345+/-963.650 χ^2/NDF : 27.1/40

asym_atr_dd_rms vs Slug



Right In: 4522.775 $\pm$ 1.282 χ^2 /NDF: 776612.8/16

Left Out: 4755.263 $\pm$ 0.802 χ^2 /NDF: 953326.3/23

Right Out: 4295.614 $\pm$ 1.191 χ^2 /NDF: 773207.8/18

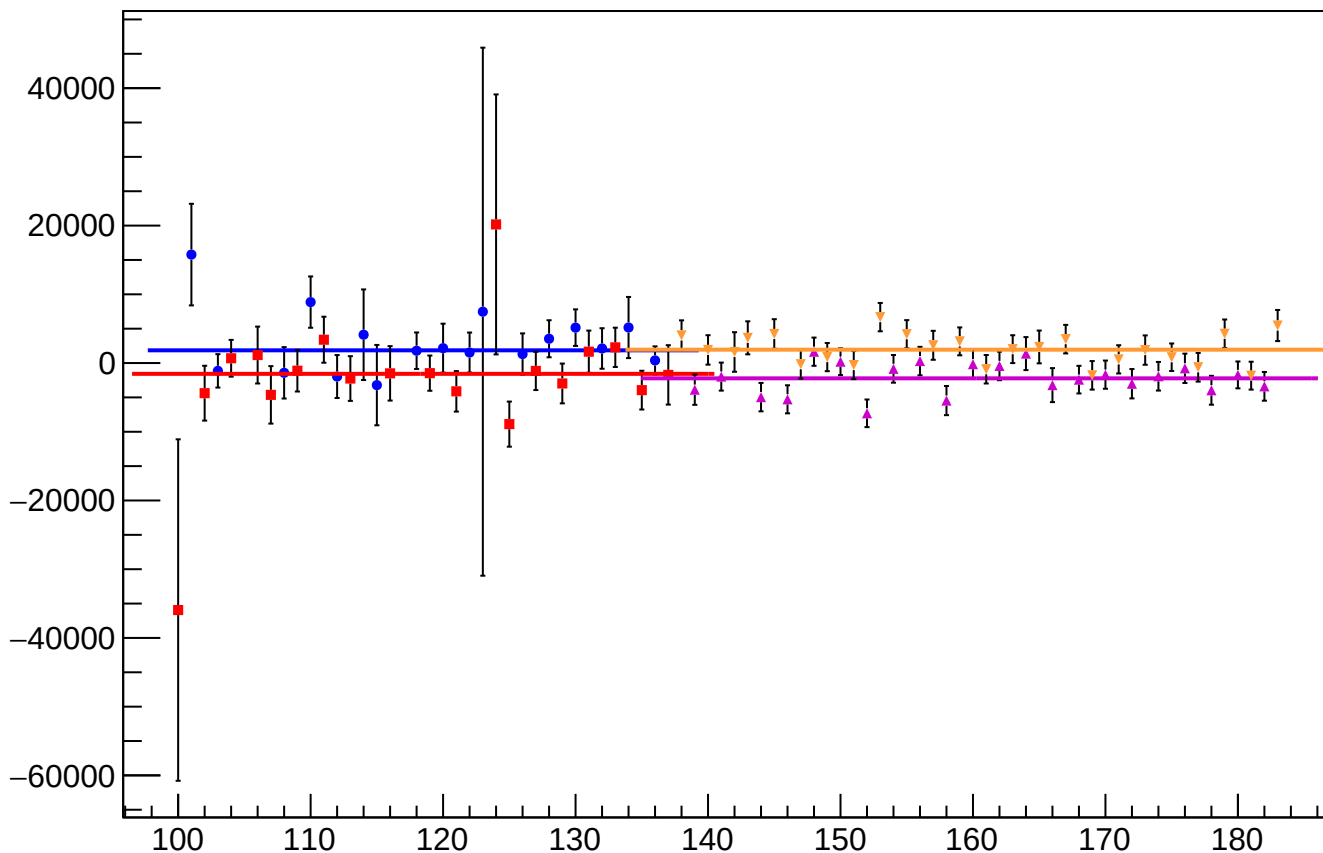
Left In: 4780.312 $\pm$ 0.829 χ^2 /NDF: 949786.6/21

+ sign 4689.860 $\pm$ 0.680 χ^2 /NDF: 1753564.9/40

All: 4655.999 $\pm$ 0.481 χ^2 /NDF: 3593158.8/81

- sign 4622.132 $\pm$ 0.680 χ^2 /NDF: 1834635.8/40

reg_asym_at1_avg_mean vs Slug



Right In: 1850.872 $\pm$ 785.814 χ^2 /NDF: 14.8/16

Left Out: 1943.895 $\pm$ 434.031 χ^2 /NDF: 27.1/23

Right Out: -1571.043 $\pm$ 768.050 χ^2 /NDF: 17.3/18

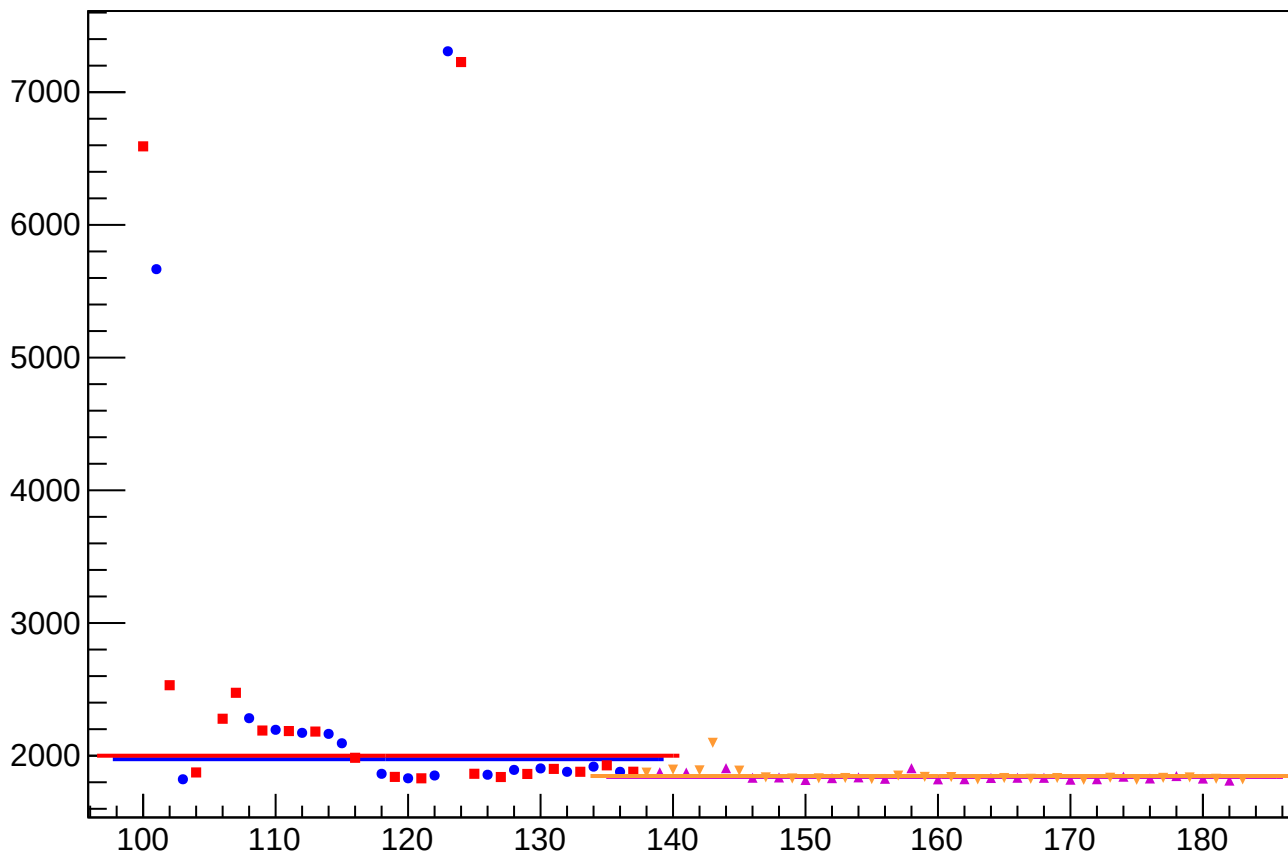
Left In: -2225.810 $\pm$ 445.121 χ^2 /NDF: 26.3/21

+ sign 1922.150 $\pm$ 379.930 χ^2 /NDF: 41.9/40

All: -42.501 $\pm$ 270.467 χ^2 /NDF: 140.2/81

- sign -2061.184 $\pm$ 385.119 χ^2 /NDF: 44.1/40

reg_asym_at1_avg_rms vs Slug



Right In: 1973.812 $\pm$ 0.556 χ^2 /NDF: 599877.2/16

Left Out: 1847.090 $\pm$ 0.307 χ^2 /NDF: 27122.2/23

Right Out: 2000.069 $\pm$ 0.543 χ^2 /NDF: 353620.6/18

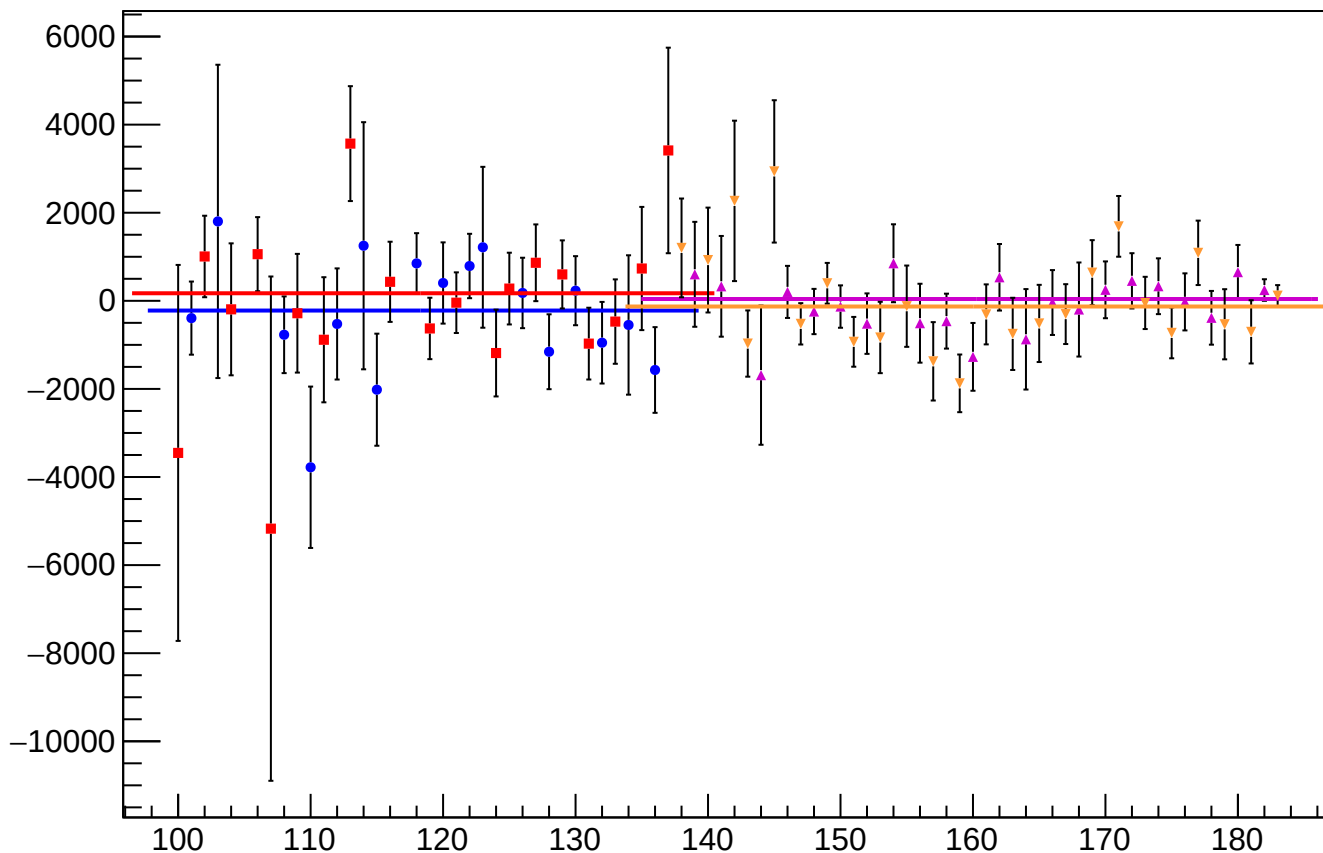
Left In: 1840.130 $\pm$ 0.315 χ^2 /NDF: 6627.9/21

+ sign 1876.713 $\pm$ 0.269 χ^2 /NDF: 666852.1/40

All: 1878.503 $\pm$ 0.191 χ^2 /NDF: 1092114.0/81

- sign 1880.343 $\pm$ 0.272 χ^2 /NDF: 425171.9/40

asym_at1_avg_correction_mean vs Slug



Right In: -220.797 ± 241.210 χ^2/NDF : 16.7/16

Left Out: -129.066 ± 126.639 χ^2/NDF : 37.4/23

Right Out: 171.668 ± 229.758 χ^2/NDF : 19.9/18

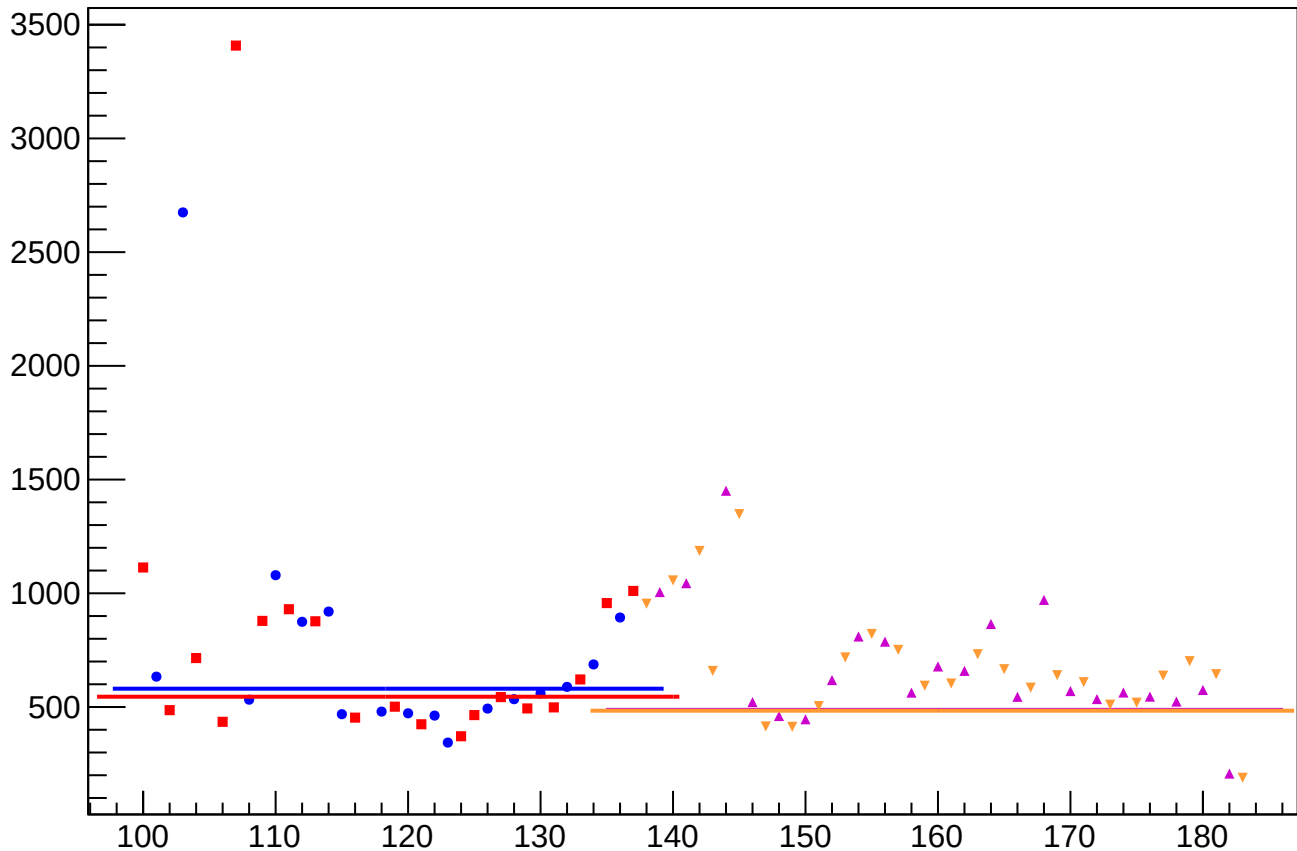
Left In: 41.230 ± 130.413 χ^2/NDF : 11.5/21

+ sign -148.887 ± 112.125 χ^2/NDF : 54.2/40

All: -39.207 ± 79.737 χ^2/NDF : 87.7/81

- sign 73.015 ± 113.416 χ^2/NDF : 31.6/40

asym_at1_avg_correction_rms vs Slug



Right In: 580.578 ± 0.171 $\chi^2/\text{NDF}: 1413766.8/16$

Left Out: 483.820 ± 0.090 $\chi^2/\text{NDF}: 6479247.1/23$

Right Out: 545.286 ± 0.162 $\chi^2/\text{NDF}: 1455572.2/18$

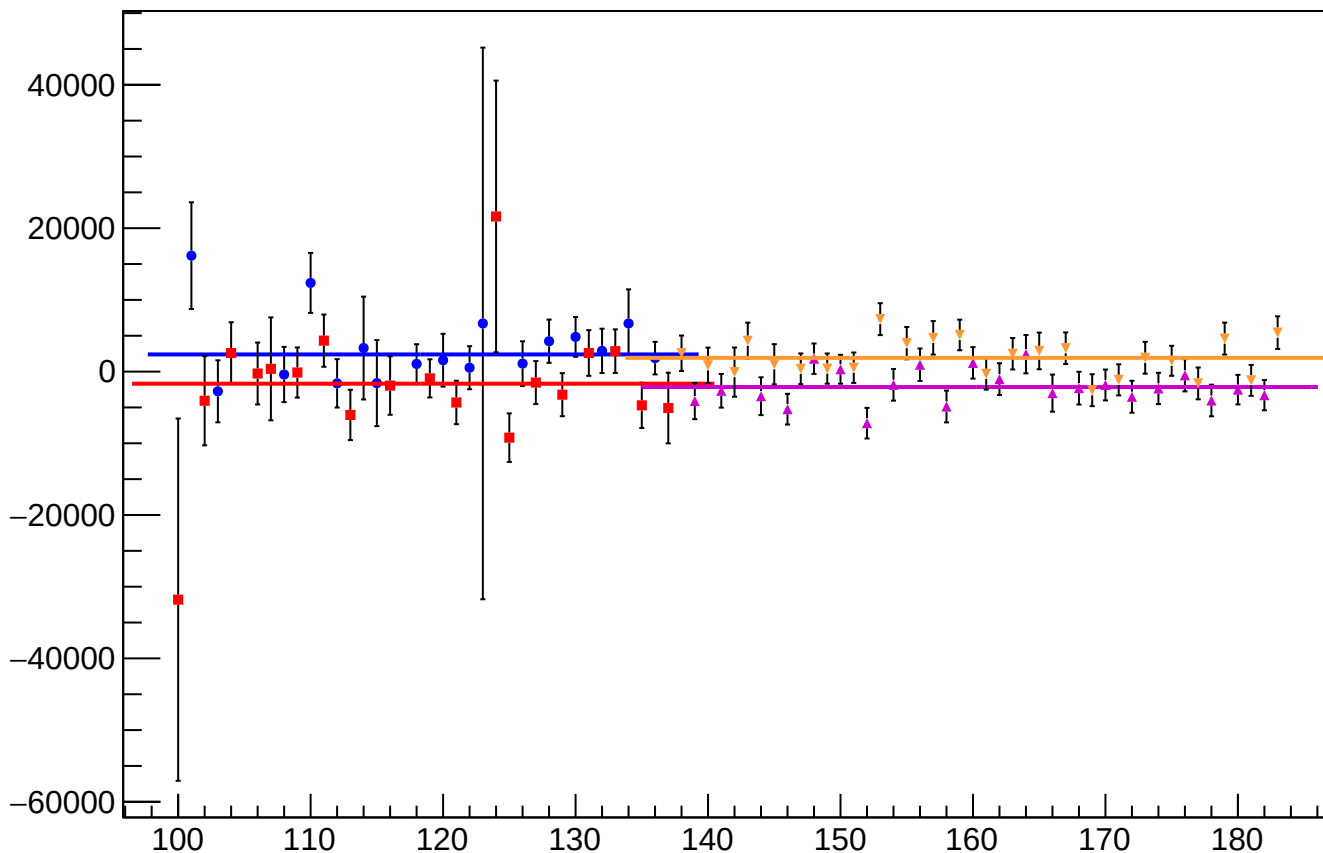
Left In: 487.438 ± 0.092 $\chi^2/\text{NDF}: 5838415.7/21$

+ sign 504.727 ± 0.079 $\chi^2/\text{NDF}: 8145298.8/40$

All: 503.149 ± 0.056 $\chi^2/\text{NDF}: 15535978.8/83$

- sign 501.534 ± 0.080 $\chi^2/\text{NDF}: 7389878.3/40$

asym_at1_avg_mean vs Slug



Right In: 2394.430 $\pm$ 865.666 χ^2 /NDF: 15.8/16

Left Out: 1915.328 $\pm$ 466.417 χ^2 /NDF: 29.7/23

Right Out: -1689.195 $\pm$ 856.105 χ^2 /NDF: 20.2/18

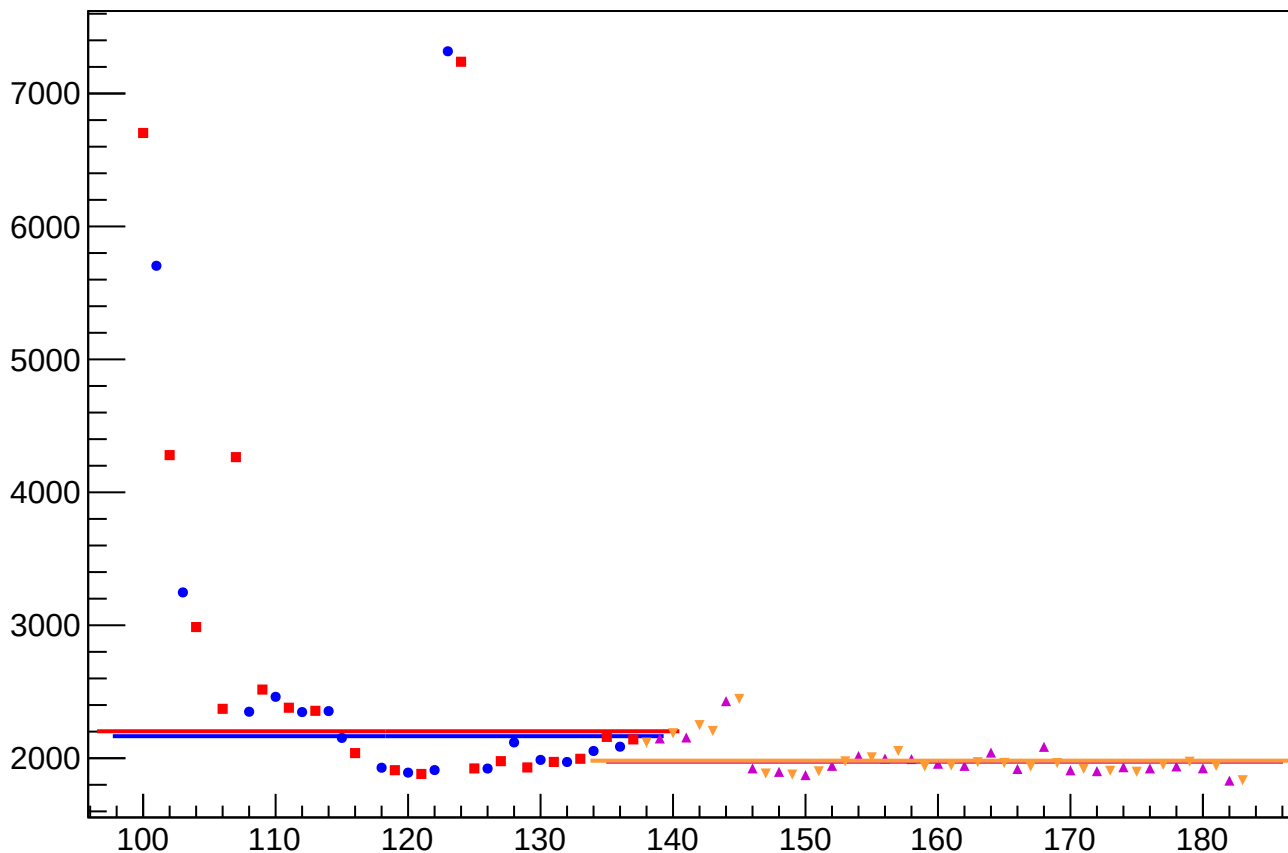
Left In: -2152.514 $\pm$ 478.176 χ^2 /NDF: 24.6/21

+ sign 2023.119 $\pm$ 410.610 χ^2 /NDF: 45.8/40

All: 24.067 $\pm$ 292.740 χ^2 /NDF: 138.9/81

- sign -2042.341 $\pm$ 417.470 χ^2 /NDF: 45.0/40

asym_at1_avg_rms vs Slug



Right In: 2165.566+/-0.612 χ^2/NDF : 707806.4/16

Left Out: 1981.449+/-0.330 χ^2/NDF :135826.4/23

Right Out: 2202.669+/-0.605 χ^2/NDF : 799074.2/18

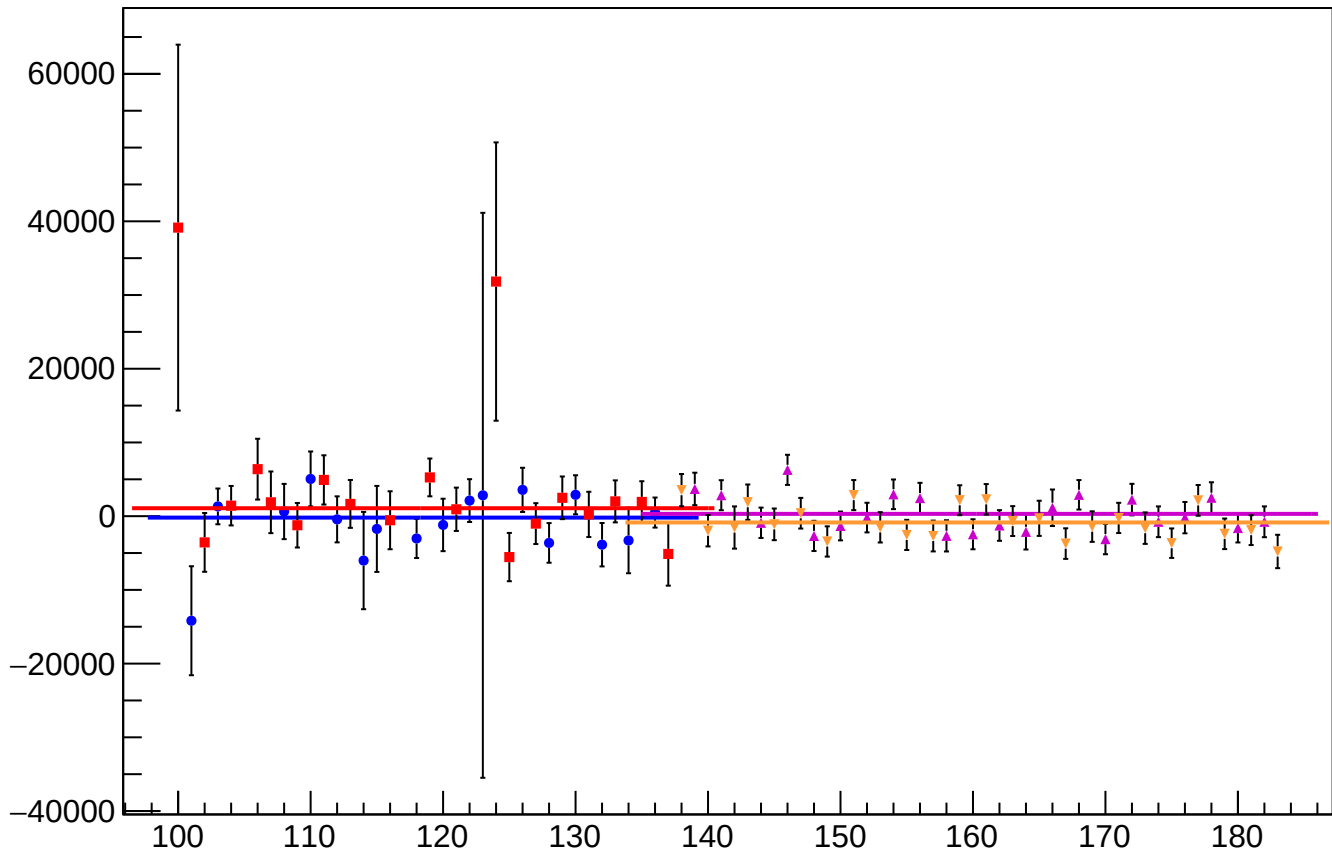
Left In: 1973.618+/-0.338 χ^2/NDF :115380.2/21

+ sign 2022.873+/-0.290 χ^2/NDF : 913750.7/40

All: 2025.435+/-0.207 χ^2/NDF : 1937487.0/83

- sign 2028.084+/-0.295 χ^2/NDF : 1023577.9/40

reg_asym_at1_dd_mean vs Slug



Right In: -195.092 ± 784.368 χ^2/NDF : 15.4/16

Left Out: -853.612 ± 433.345 χ^2/NDF : 27.2/23

Right Out: 1078.628 ± 766.426 χ^2/NDF : 20.1/18

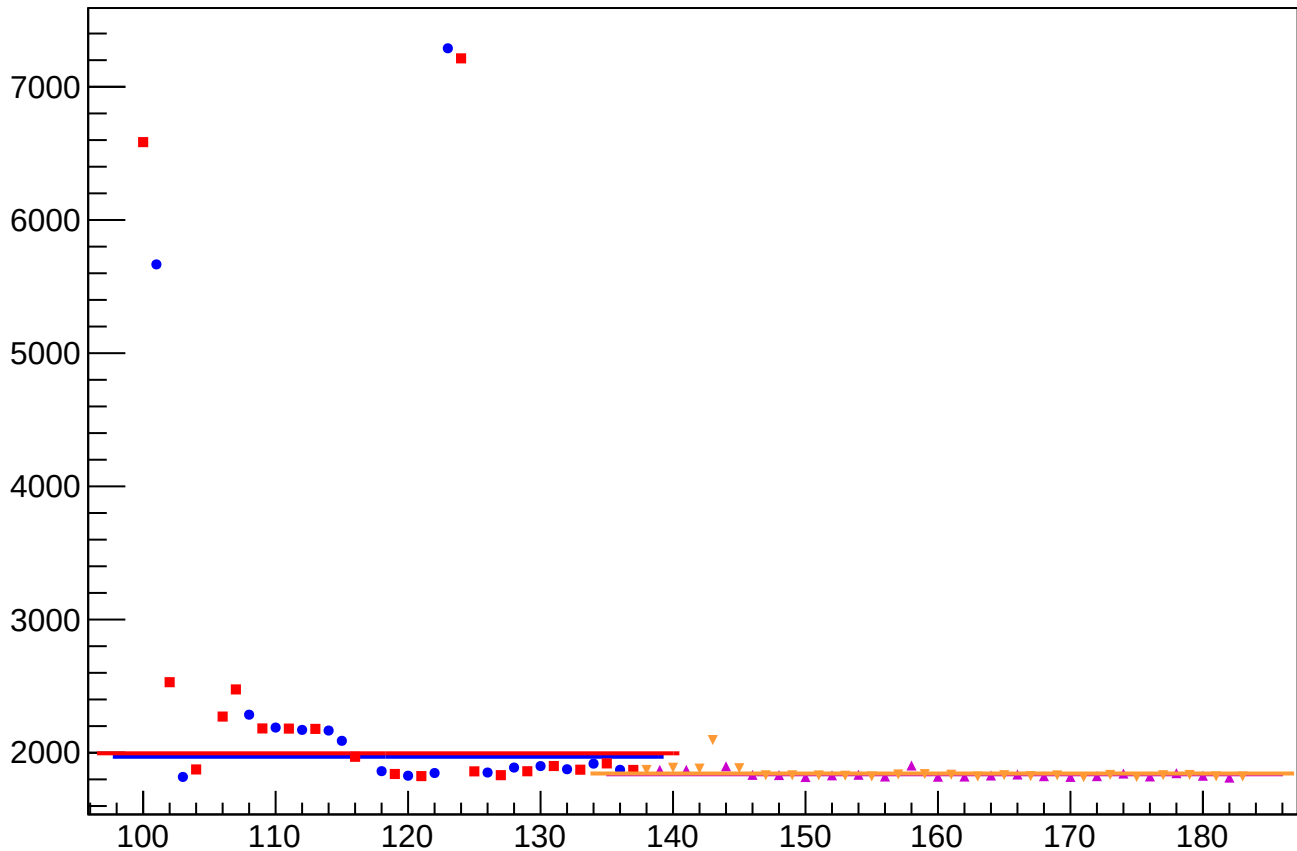
Left In: 313.149 ± 444.650 χ^2/NDF : 32.0/21

+ sign -699.616 ± 379.307 χ^2/NDF : 43.1/40

All: -105.218 ± 270.066 χ^2/NDF : 100.9/81

- sign 505.916 ± 384.609 χ^2/NDF : 52.8/40

reg_asym_at1_dd_rms vs Slug



Right In: 1969.951+/-0.555 χ^2/NDF : 602002.6/16

Left Out: 1844.199+/-0.306 χ^2/NDF : 26711.9/23

Right Out: 1995.751+/-0.542 χ^2/NDF : 354300.7/18

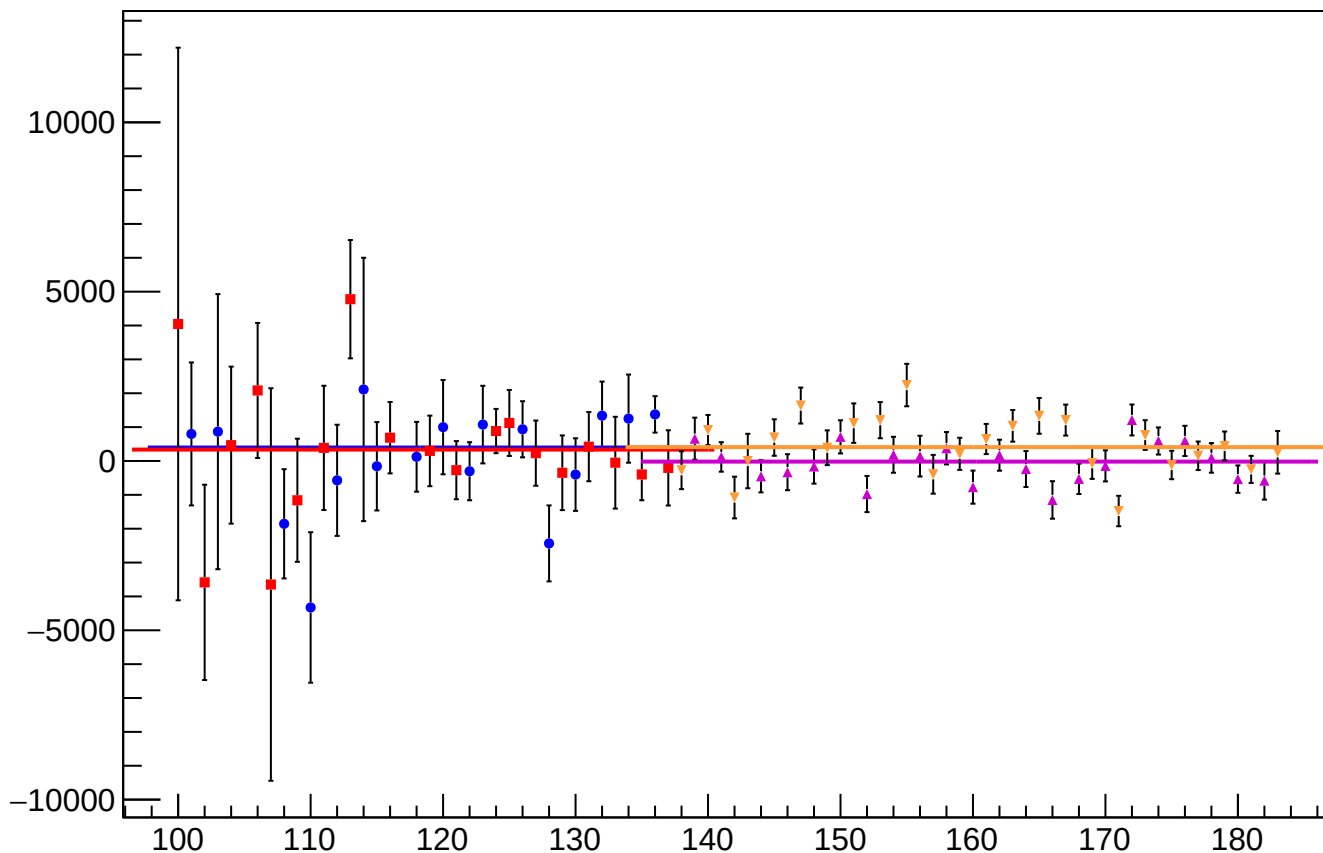
Left In: 1838.189+/-0.314 χ^2/NDF : 6217.1/21

+ sign 1873.606+/-0.268 χ^2/NDF : 668100.0/40

All: 1875.707+/-0.191 χ^2/NDF : 1091982.8/81

- sign 1877.868+/-0.272 χ^2/NDF : 423758.3/40

asym_at1_dd_correction_mean vs Slug



Right In: 396.702 ± 270.925 χ^2/NDF : 20.5/16

Left Out: 409.160 ± 100.964 χ^2/NDF : 61.1/23

Right Out: 336.277 ± 266.891 χ^2/NDF : 14.1/18

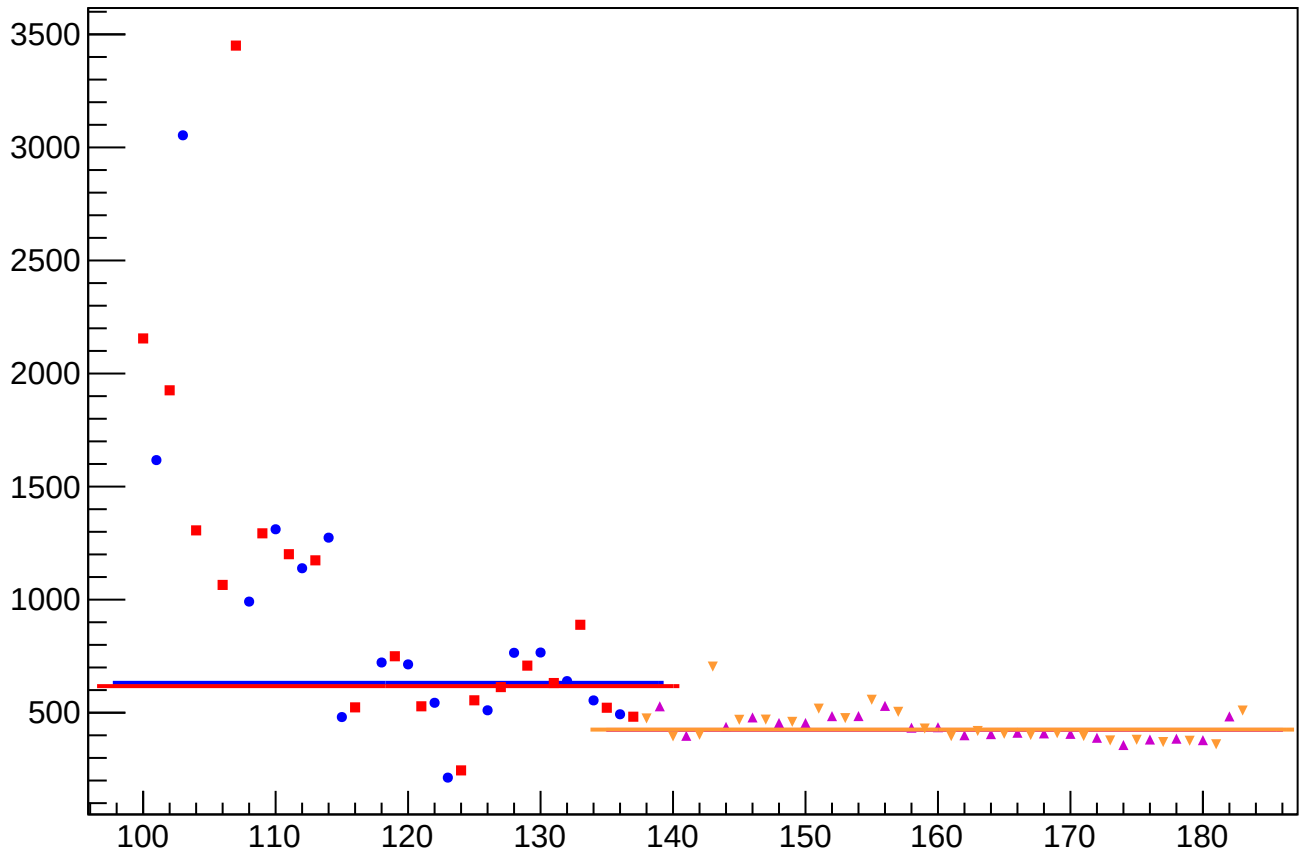
Left In: -18.626 ± 103.049 χ^2/NDF : 31.3/21

+ sign 407.641 ± 94.608 χ^2/NDF : 81.6/40

All: 220.569 ± 67.430 χ^2/NDF : 136.4/81

- sign 27.419 ± 96.133 χ^2/NDF : 46.9/40

asym_at1_dd_correction_rms vs Slug



Right In: 632.093 $\pm$ 0.192 χ^2 /NDF: 2258413.9/16

Left Out: 425.295 $\pm$ 0.071 χ^2 /NDF: 722579.4/23

+ sign 450.512 $\pm$ 0.067 χ^2 /NDF: 4004162.1/40

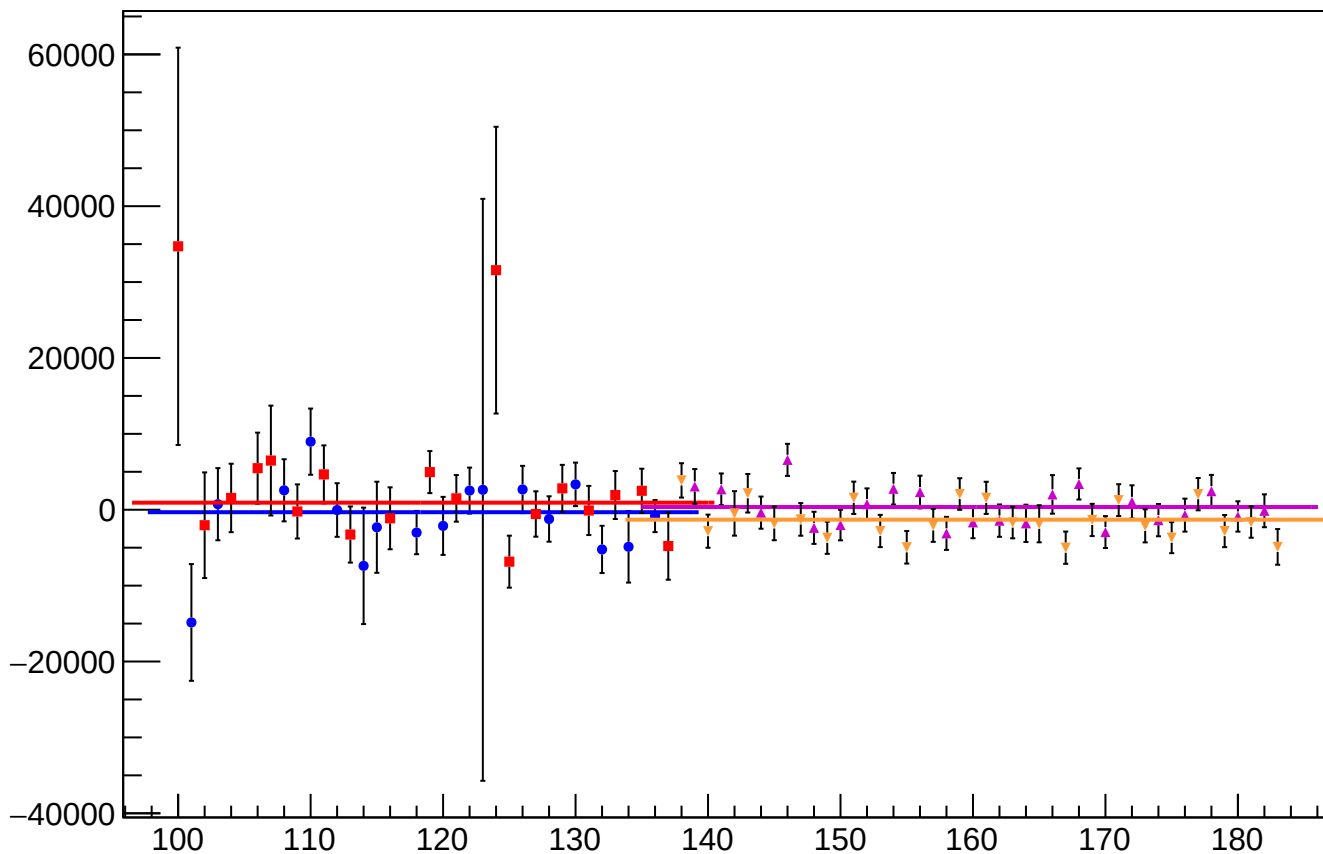
Right Out: 617.519 $\pm$ 0.189 χ^2 /NDF: 2802398.1/18

All: 449.752 $\pm$ 0.048 χ^2 /NDF: 8105388.9/81

Left In: 423.838 $\pm$ 0.073 χ^2 /NDF: 381952.8/21

- sign 448.966 $\pm$ 0.068 χ^2 /NDF: 4100963.9/40

asym_at1_dd_mean vs Slug



Right In: -324.791 ± 874.352 χ^2/NDF : 17.7/16

Left Out: -1307.545 ± 446.304 χ^2/NDF : 30.2/23

Right Out: 932.195 ± 870.269 χ^2/NDF : 18.7/18

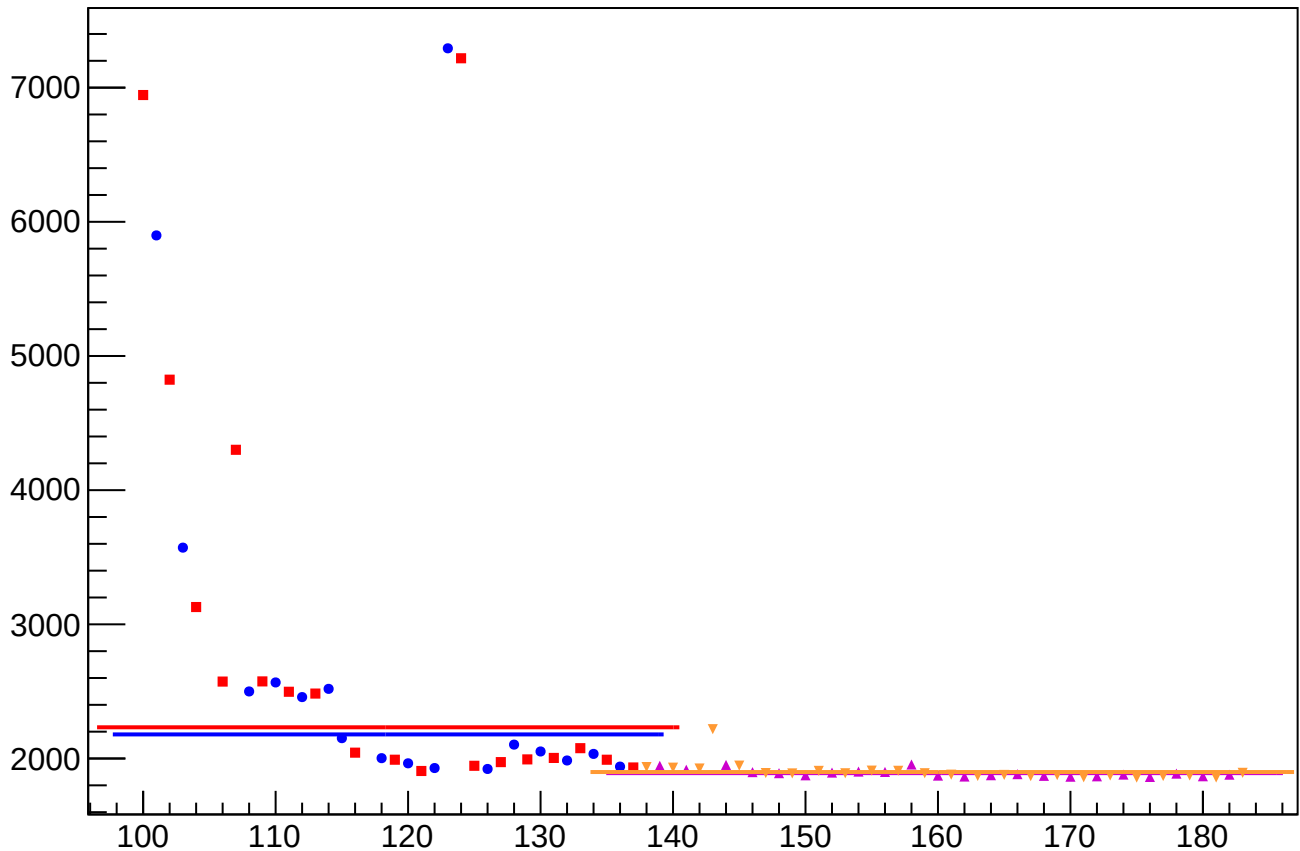
Left In: 358.725 ± 457.392 χ^2/NDF : 29.1/21

+ sign -1104.415 ± 397.513 χ^2/NDF : 49.0/40

All: -325.353 ± 283.652 χ^2/NDF : 104.9/81

- sign 482.848 ± 404.878 χ^2/NDF : 48.1/40

asym_at1_dd_rms vs Slug



Right In: 2179.524+/-0.618 χ^2/NDF : 800832.9/16

Left Out: 1899.219+/-0.316 χ^2/NDF : 38632.2/23

Right Out: 2232.584+/-0.615 χ^2/NDF : 892015.8/18

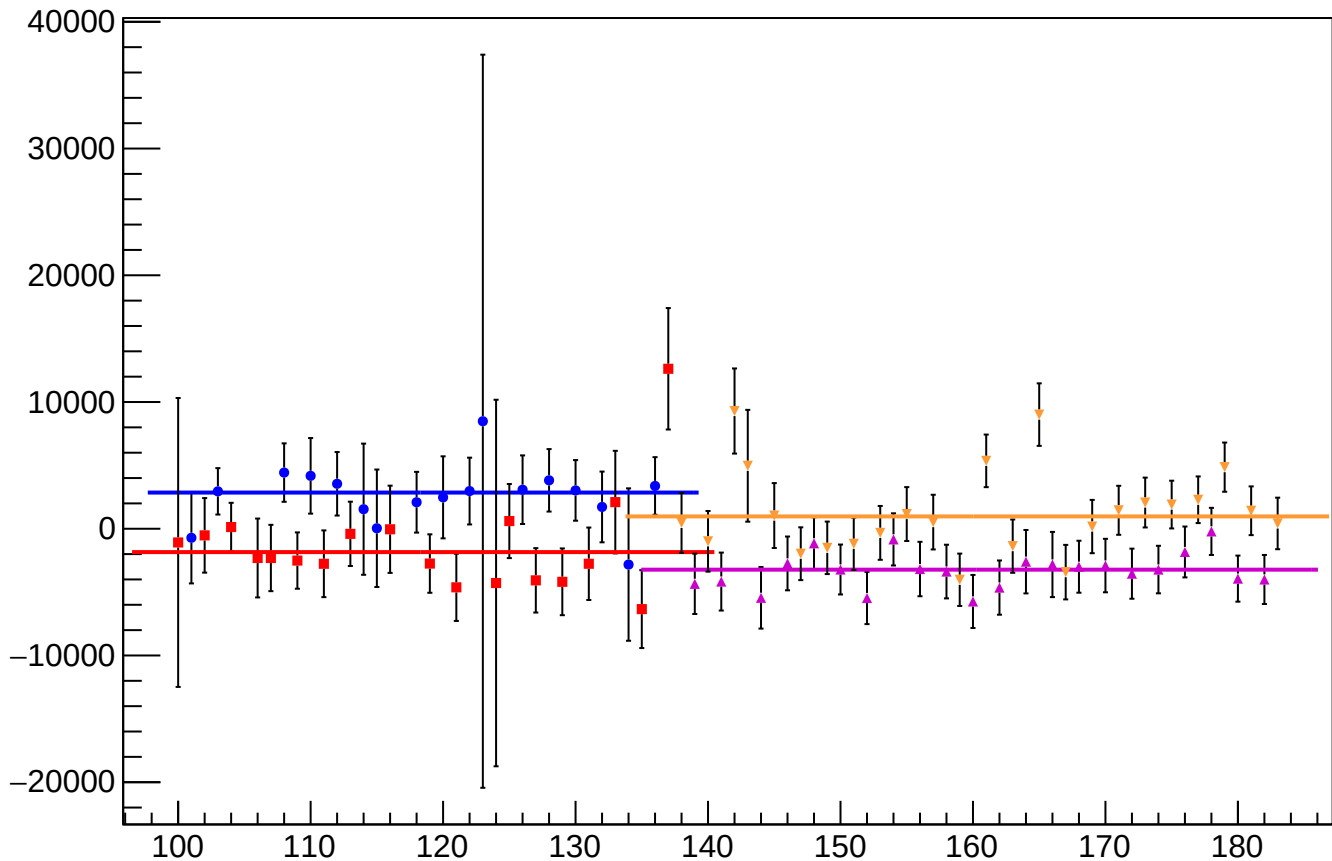
Left In: 1891.006+/-0.323 χ^2/NDF : 7120.0/21

+ sign 1957.156+/-0.281 χ^2/NDF : 1002530.1/40

All: 1960.976+/-0.201 χ^2/NDF : 2143463.5/81

- sign 1964.938+/-0.286 χ^2/NDF : 1140557.2/40

reg_asym_at2_avg_mean vs Slug



Right In: 2855.433+/-680.542 χ^2/NDF : 3.6/16

Left Out: 972.778+/-439.238 χ^2/NDF :44.4/23

Right Out: -1842.875+/-656.991 χ^2/NDF : 18.0/18

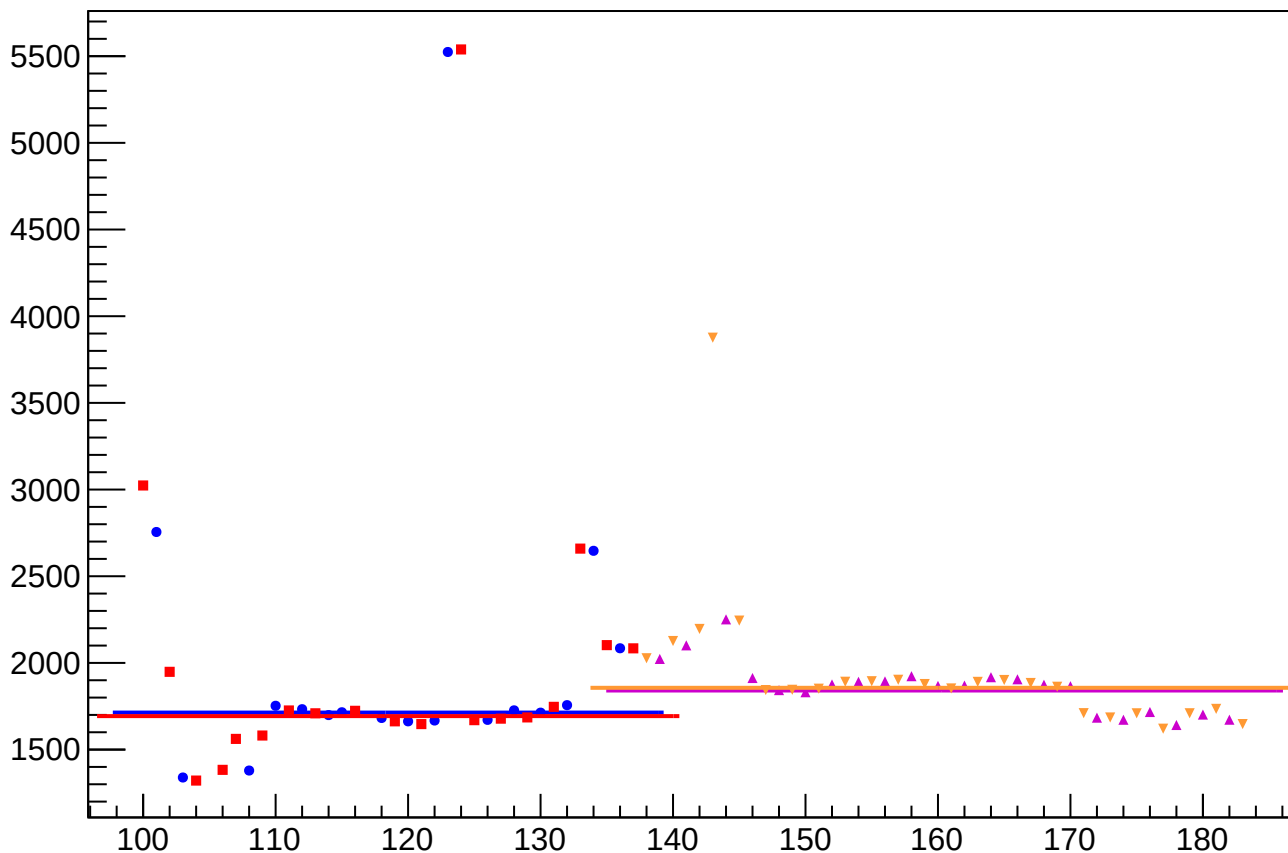
Left In: -3229.201+/-445.674 χ^2/NDF :10.3/21

+ sign 1526.411+/-369.046 χ^2/NDF : 53.4/40

All: -634.264+/-260.875 χ^2/NDF : 153.2/81

- sign -2792.305+/-368.821 χ^2/NDF : 31.3/40

reg_asym_at2_avg_rms vs Slug



Right In: 1713.549+/-0.481 χ^2/NDF : 432300.3/16

Left Out: 1856.386+/-0.311 χ^2/NDF : 637722.4/23

Right Out: 1693.096+/-0.465 χ^2/NDF : 454659.7/18

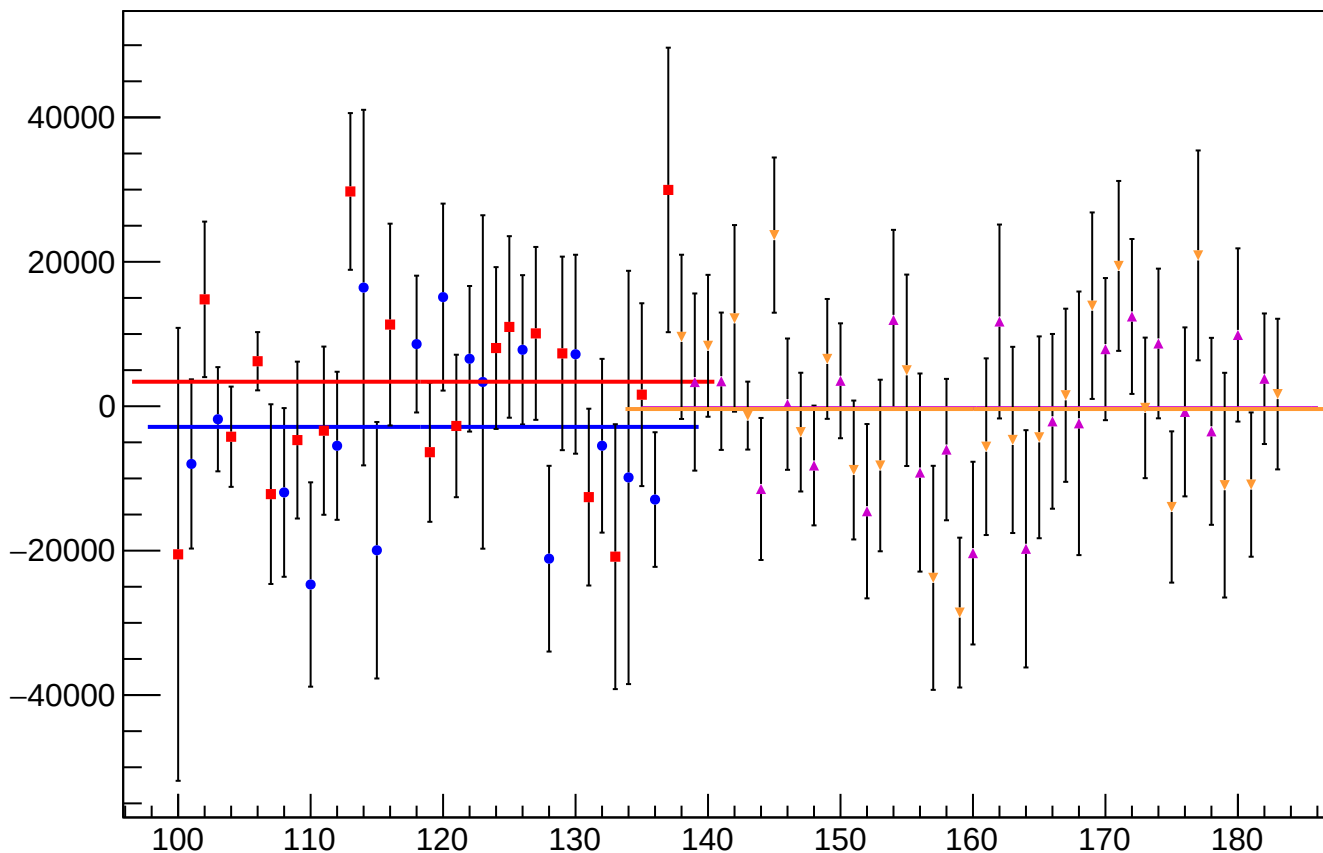
Left In: 1840.821+/-0.315 χ^2/NDF : 193803.3/21

+ sign 1814.382+/-0.261 χ^2/NDF : 1132219.0/40

All: 1804.318+/-0.184 χ^2/NDF : 1852905.3/83

- sign 1794.266+/-0.261 χ^2/NDF : 717713.4/40

asym_at2_avg_correction_mean vs Slug



Right In: -2861.382 $\pm$ 2859.849 χ^2/NDF : 14.0/16

Left Out: -387.378 $\pm$ 2085.349 χ^2/NDF : 29.3/23

Right Out: 3395.034 $\pm$ 2269.782 χ^2/NDF : 19.7/18

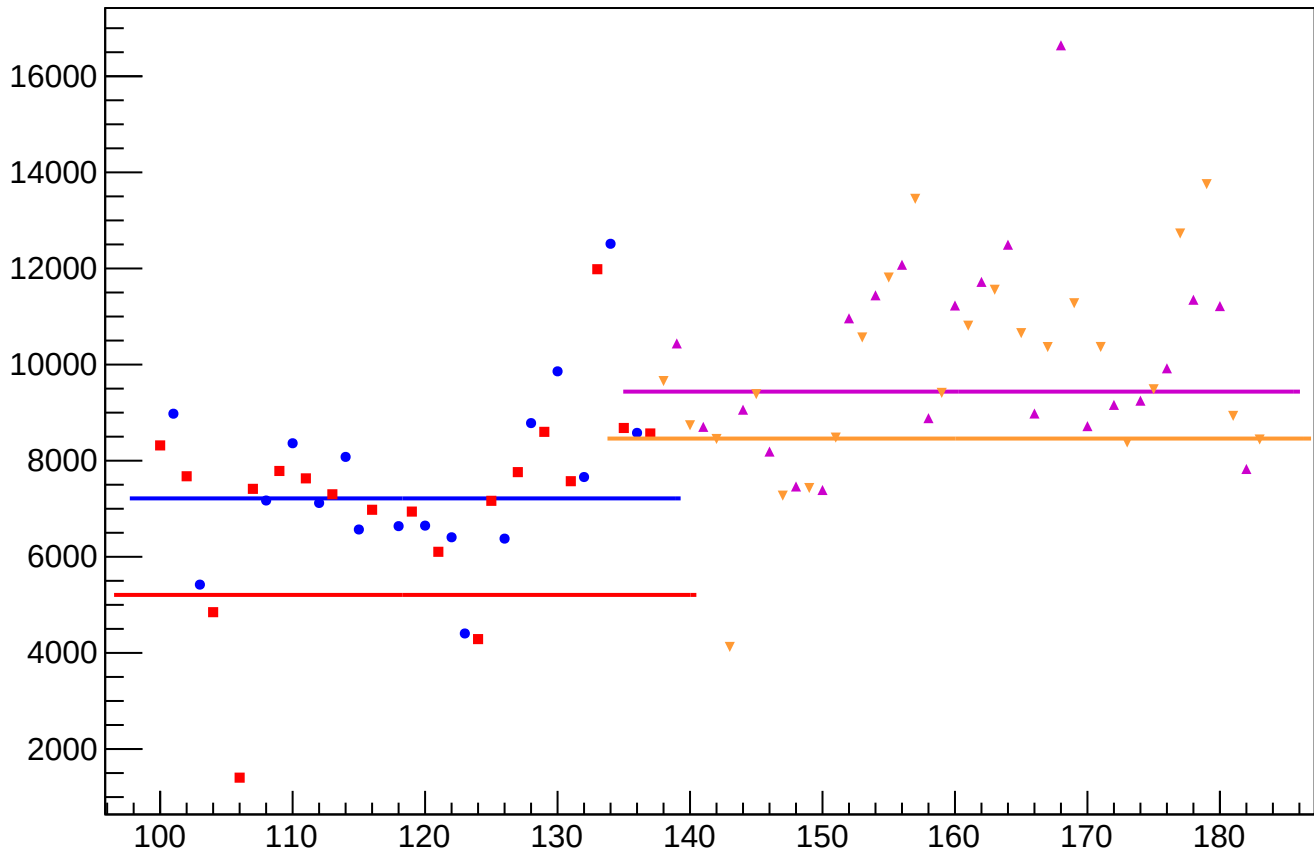
Left In: -266.981 $\pm$ 2321.225 χ^2/NDF : 14.4/21

+ sign -1246.187 $\pm$ 1684.966 χ^2/NDF : 43.8/40

All: 232.948 $\pm$ 1168.875 χ^2/NDF : 80.7/81

- sign 1605.055 $\pm$ 1622.860 χ^2/NDF : 35.4/40

asym_at2_avg_correction_rms vs Slug



Right In: 7215.564+/-2.022 χ^2/NDF : 471682.0/16

Left Out: 8460.690+/-1.475 χ^2/NDF : 3087184.1/23

Right Out: 5206.982+/-1.605 χ^2/NDF : 3196167.0/18

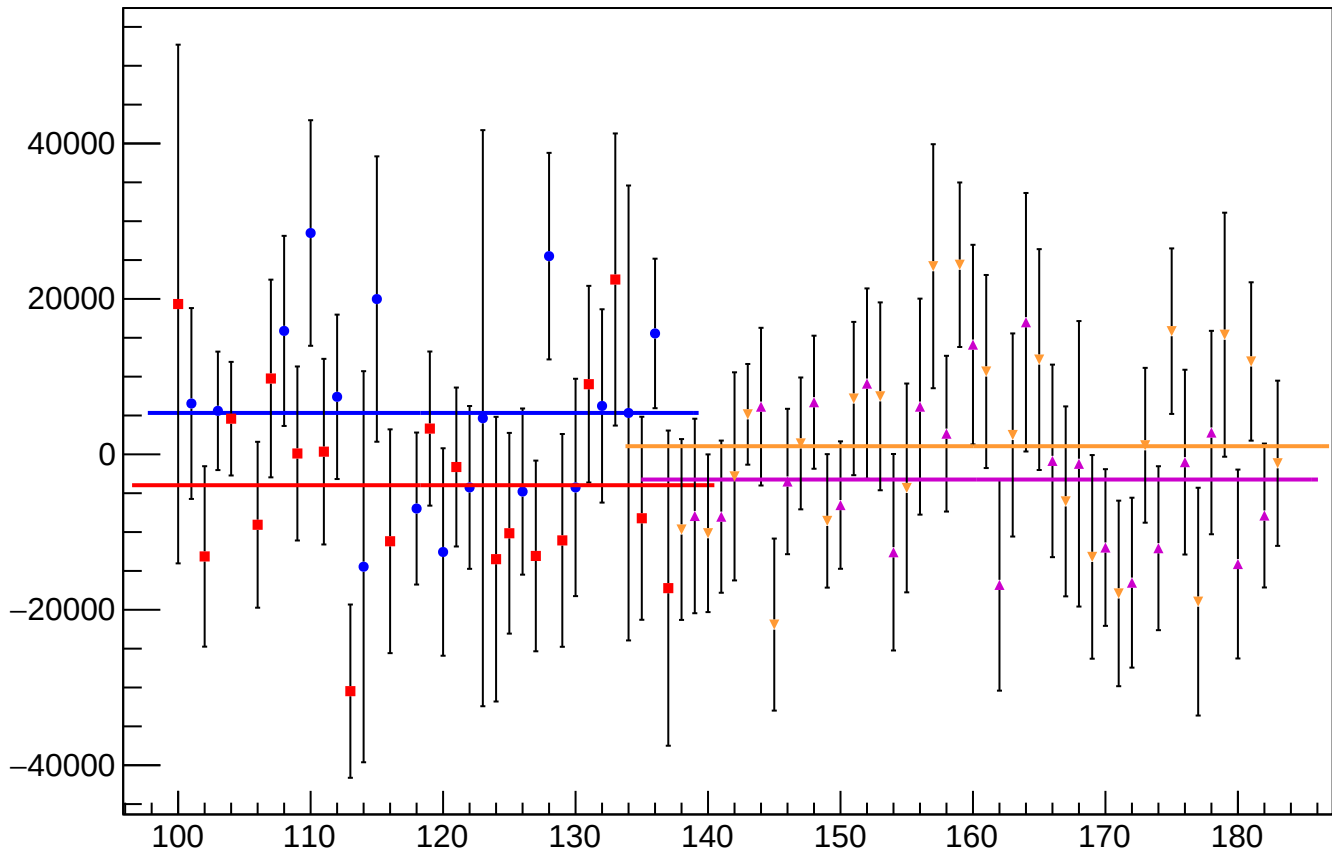
Left In: 9437.351+/-1.641 χ^2/NDF : 1124502.7/21

+ sign 8028.466+/-1.191 χ^2/NDF : 3806377.5/40

All: 7637.472+/-0.827 χ^2/NDF : 11730470.6/8

- sign 7274.771+/-1.148 χ^2/NDF : 7716500.0/40

asym_at2_avg_mean vs Slug



Right In: 5329.954 ± 2979.601 χ^2/NDF : 13.6/16

Left Out: 1048.535 ± 2232.237 χ^2/NDF : 27.1/23

Right Out: -3971.333 ± 2795.963 χ^2/NDF : 15.5/18

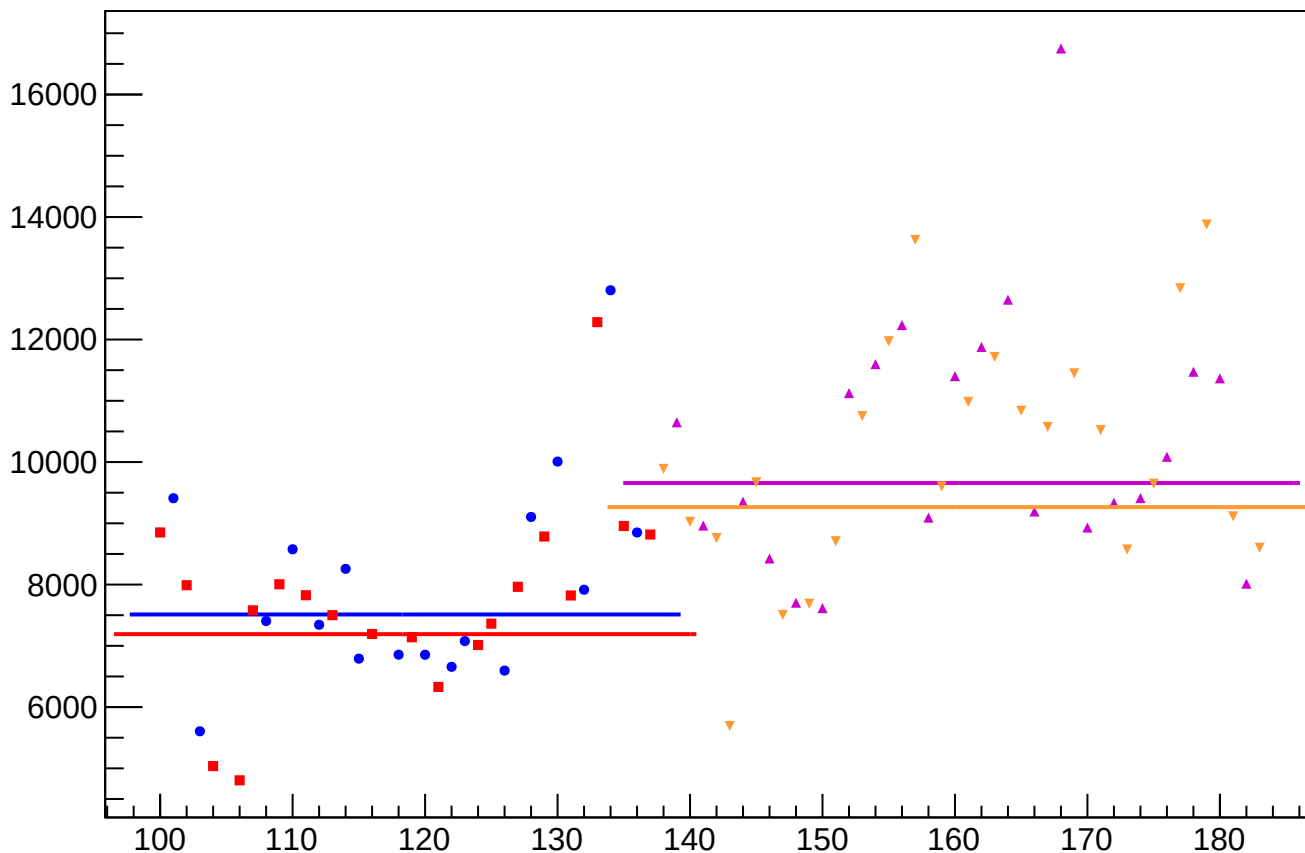
Left In: -3239.424 ± 2372.583 χ^2/NDF : 13.7/21

+ sign 2587.670 ± 1786.498 χ^2/NDF : 42.0/40

All: -440.632 ± 1271.138 χ^2/NDF : 77.1/81

- sign -3545.824 ± 1809.036 χ^2/NDF : 29.3/40

asym_at2_avg_rms vs Slug



Right In: 7511.954+/-2.107 χ^2/NDF : 430092.6/16

Left Out: 9264.221+/-1.578 χ^2/NDF : 1594448.7/23

Right Out: 7190.607+/-1.977 χ^2/NDF : 559177.4/18

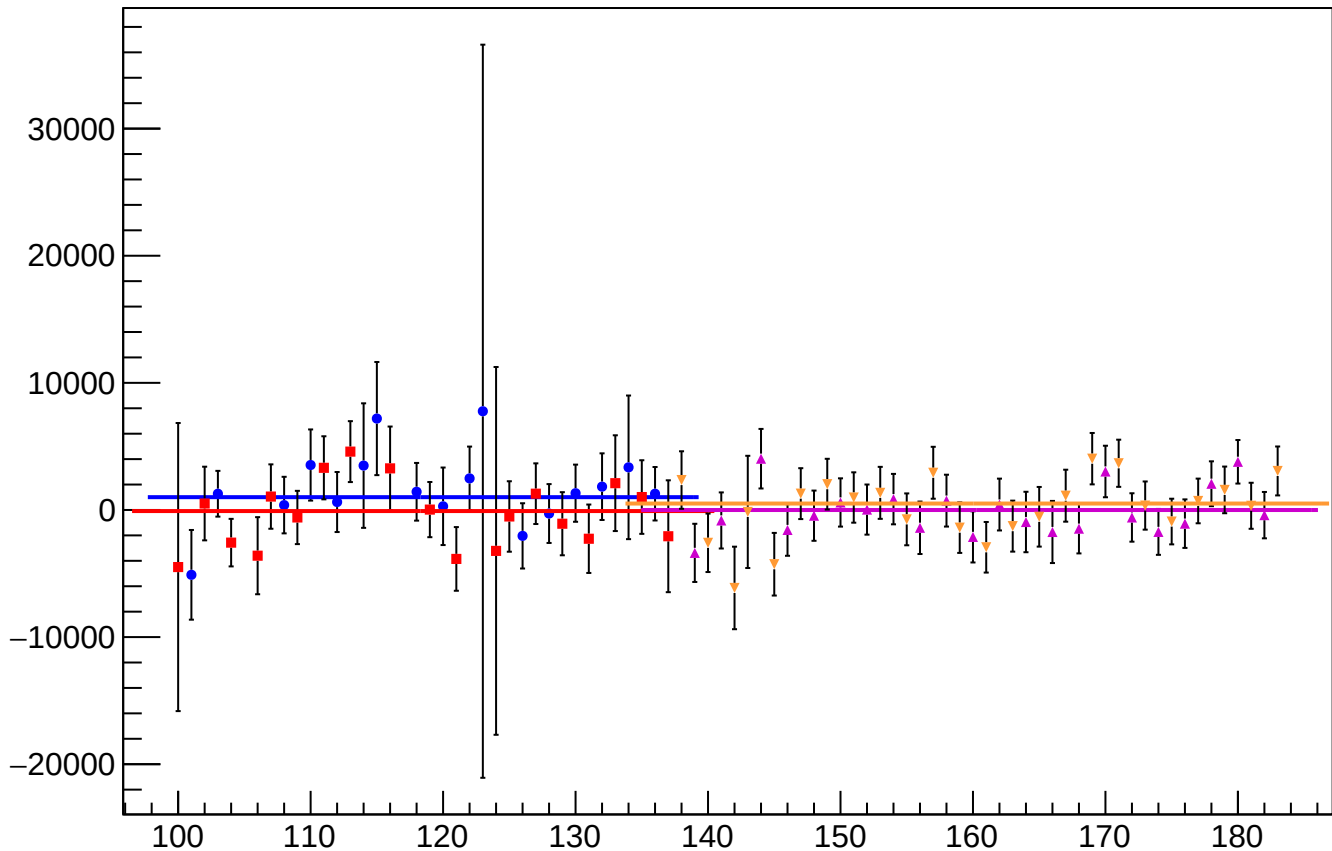
Left In: 9658.532+/-1.678 χ^2/NDF : 1051351.8/21

+ sign 8634.275+/-1.263 χ^2/NDF : 2467592.0/40

All: 8629.807+/-0.899 χ^2/NDF : 4984187.7/83

- sign 8625.227+/-1.279 χ^2/NDF : 2516570.4/40

reg_asym_at2_dd_mean vs Slug



Right In: 1007.483 ± 646.543 χ^2/NDF : 8.6/16

Left Out: 505.611 ± 420.169 χ^2/NDF : 26.9/23

Right Out: -85.858 ± 625.192 χ^2/NDF : 14.5/18

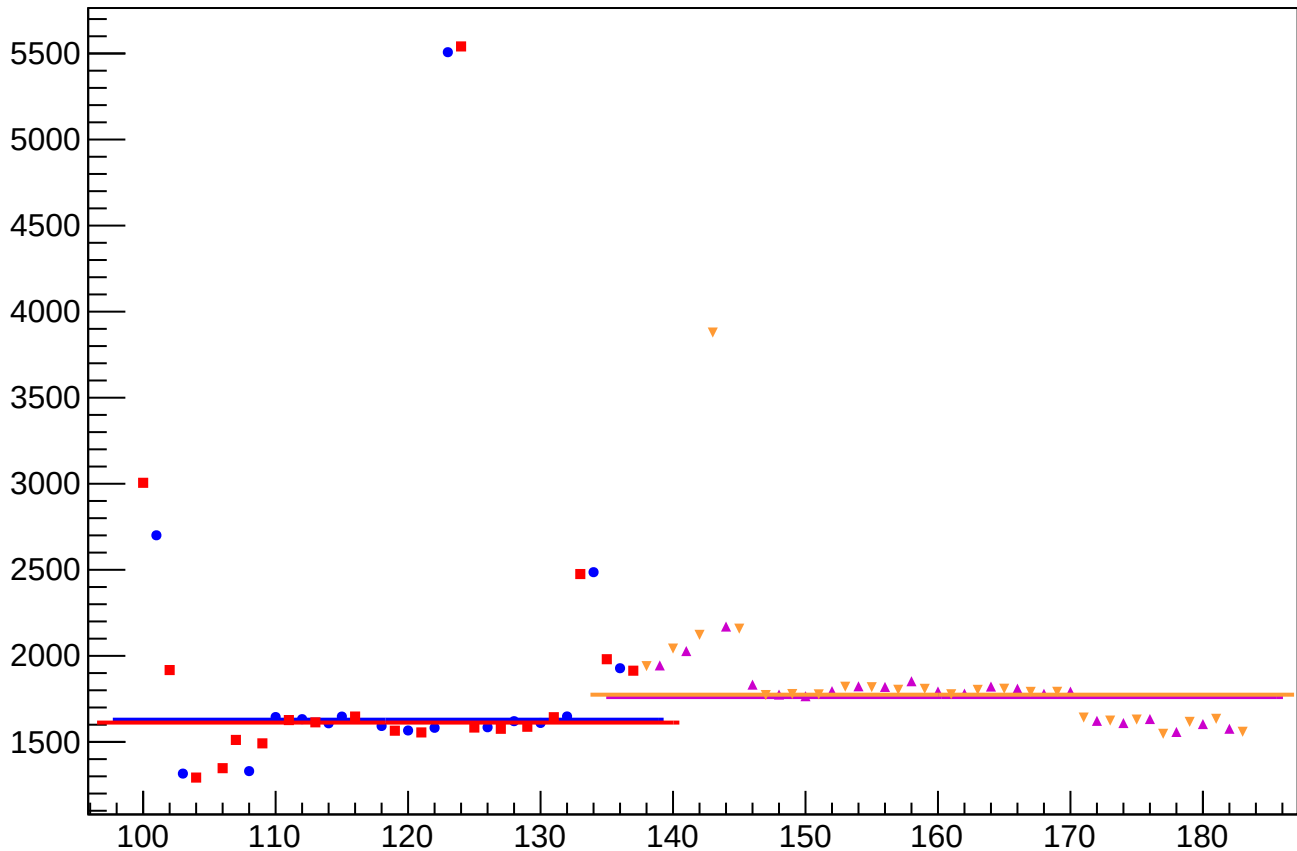
Left In: -3.994 ± 426.382 χ^2/NDF : 19.1/21

+ sign 654.631 ± 352.309 χ^2/NDF : 35.9/40

All: 312.275 ± 249.102 χ^2/NDF : 71.4/81

- sign -29.983 ± 352.259 χ^2/NDF : 33.5/40

reg_asym_at2_dd_rms vs Slug



Right In: 1629.197 $\pm$ 0.457 χ^2 /NDF: 406744.5/16

Left Out: 1774.467 $\pm$ 0.297 χ^2 /NDF: 689022.2/23

Right Out: 1612.347 $\pm$ 0.442 χ^2 /NDF: 433525.9/18

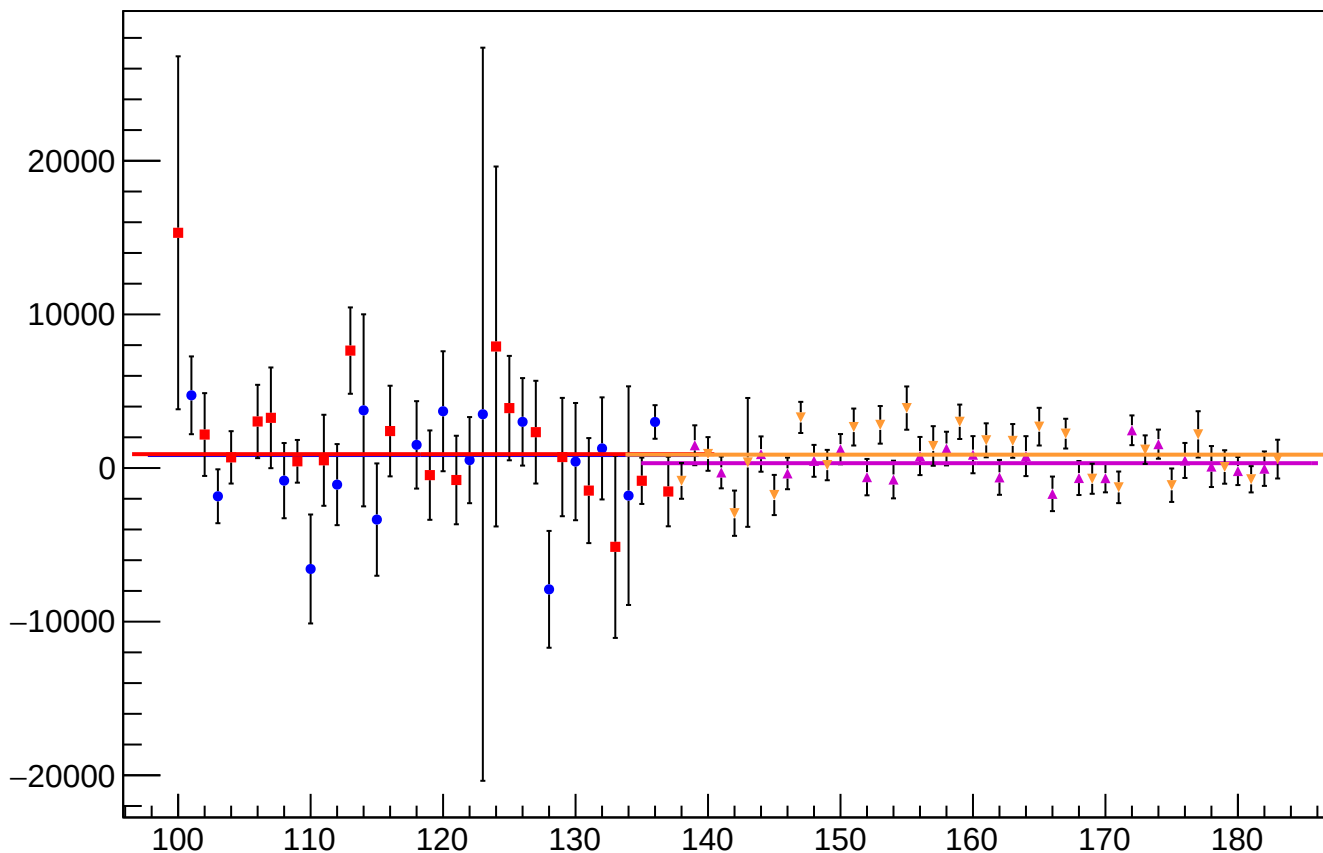
Left In: 1760.547 $\pm$ 0.301 χ^2 /NDF: 214874.2/21

+ sign 1731.332 $\pm$ 0.249 χ^2 /NDF: 1166754.7/40

All: 1722.414 $\pm$ 0.176 χ^2 /NDF: 1894423.2/83

- sign 1713.499 $\pm$ 0.249 χ^2 /NDF: 725105.7/40

asym_at2_dd_correction_mean vs Slug



Right In: 846.430 $\pm$ 632.780 χ^2/NDF : 22.1/16

Left Out: 870.630 $\pm$ 232.046 χ^2/NDF : 53.1/23

Right Out: 903.032 $\pm$ 590.474 χ^2/NDF : 15.1/18

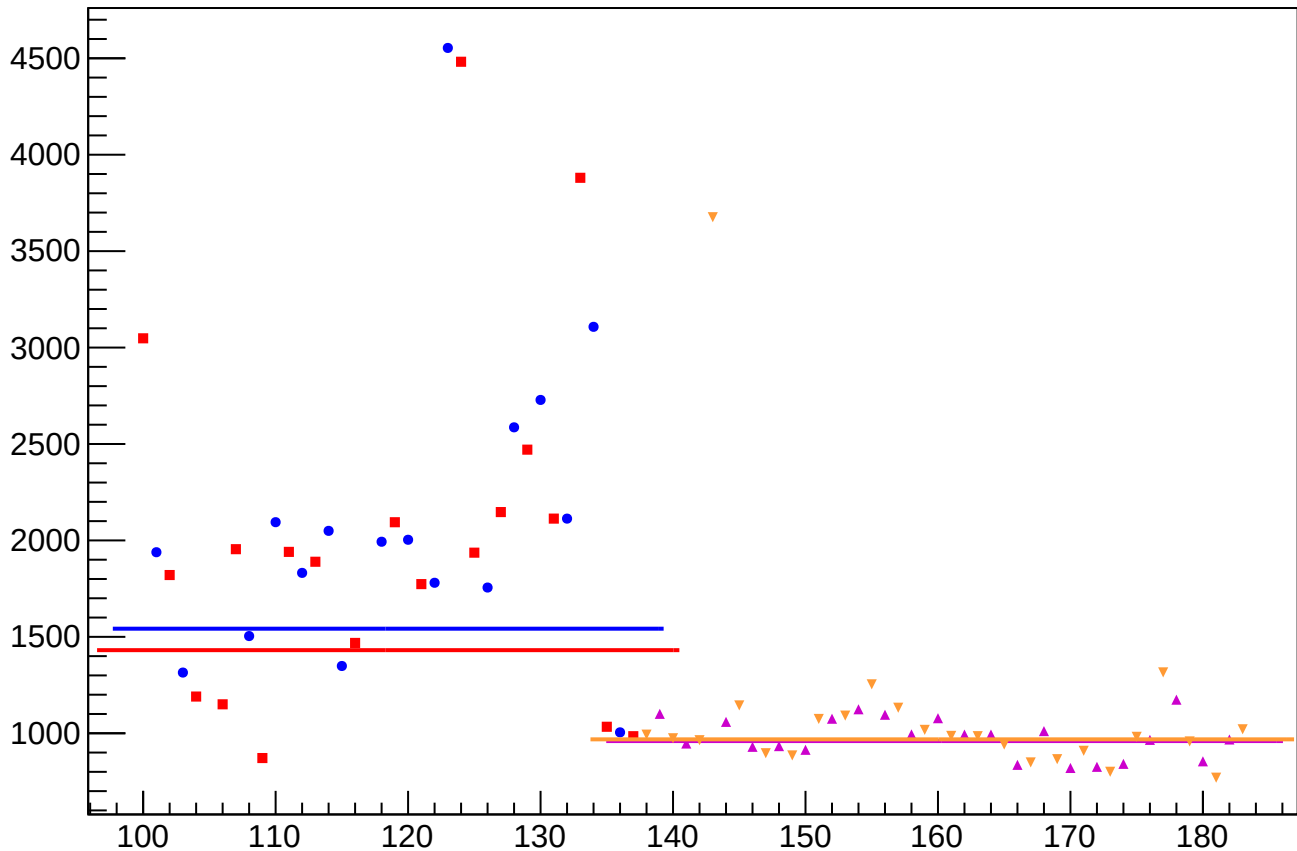
Left In: 315.367 $\pm$ 233.287 χ^2/NDF : 18.0/21

+ sign 867.761 $\pm$ 217.859 χ^2/NDF : 75.2/40

All: 630.266 $\pm$ 153.734 χ^2/NDF : 111.6/81

- sign 394.712 $\pm$ 216.967 χ^2/NDF : 34.0/40

asym_at2_dd_correction_rms vs Slug



Right In: 1542.291+/-0.447 χ^2/NDF : 1293220.0/16

Left Out: 968.509+/-0.164 χ^2/NDF : 1393584.7/23

Right Out: 1430.966+/-0.418 χ^2/NDF : 1823025.4/18

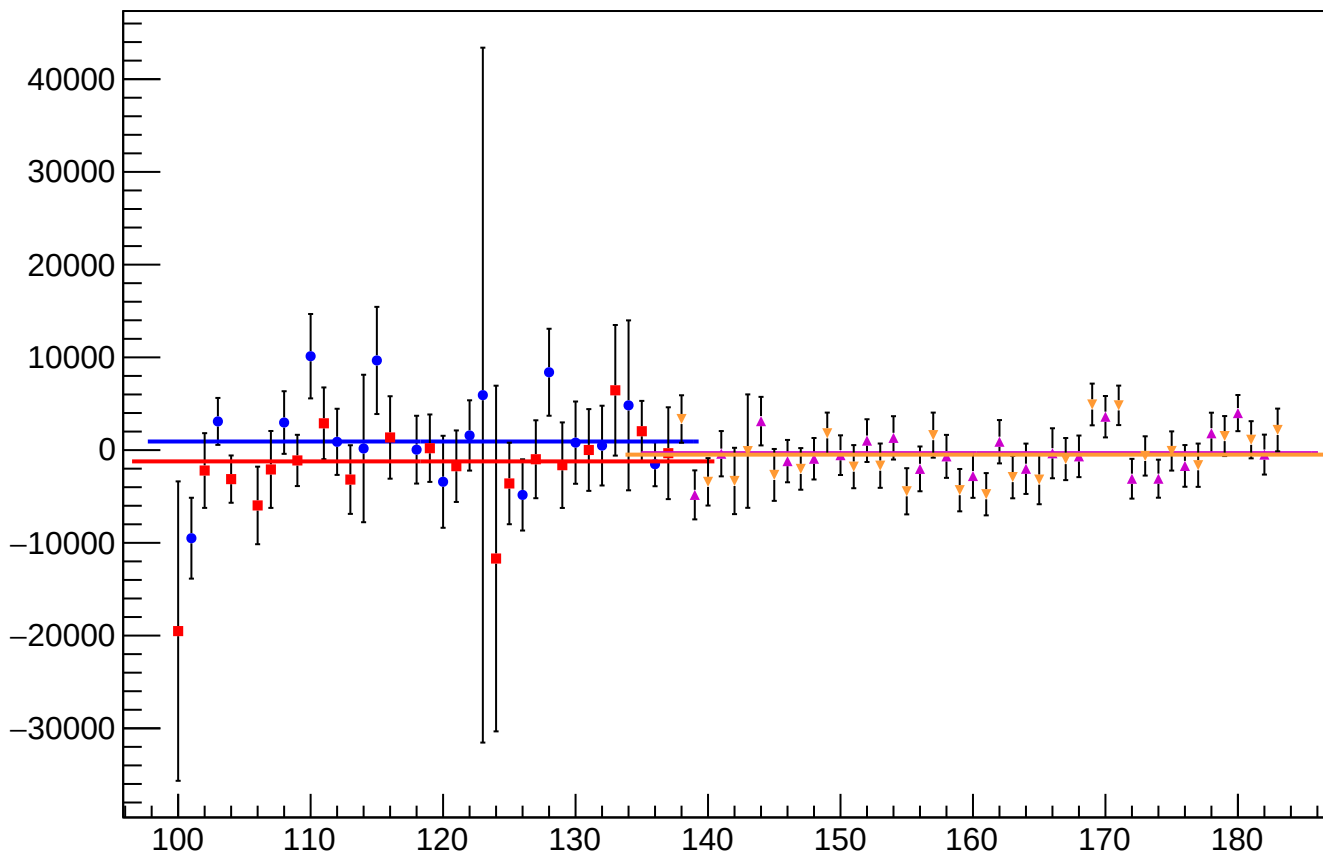
Left In: 959.593+/-0.165 χ^2/NDF : 371108.5/21

+ sign 1036.523+/-0.154 χ^2/NDF : 4136320.4/40

All: 1029.852+/-0.109 χ^2/NDF : 7436652.8/83

- sign 1023.236+/-0.153 χ^2/NDF : 3296597.7/40

asym_at2_dd_mean vs Slug



Right In: 928.405 ± 970.555 χ^2/NDF : 20.1/16

Left Out: -487.539 ± 485.643 χ^2/NDF : 33.8/23

Right Out: -1216.382 ± 927.249 χ^2/NDF : 8.1/18

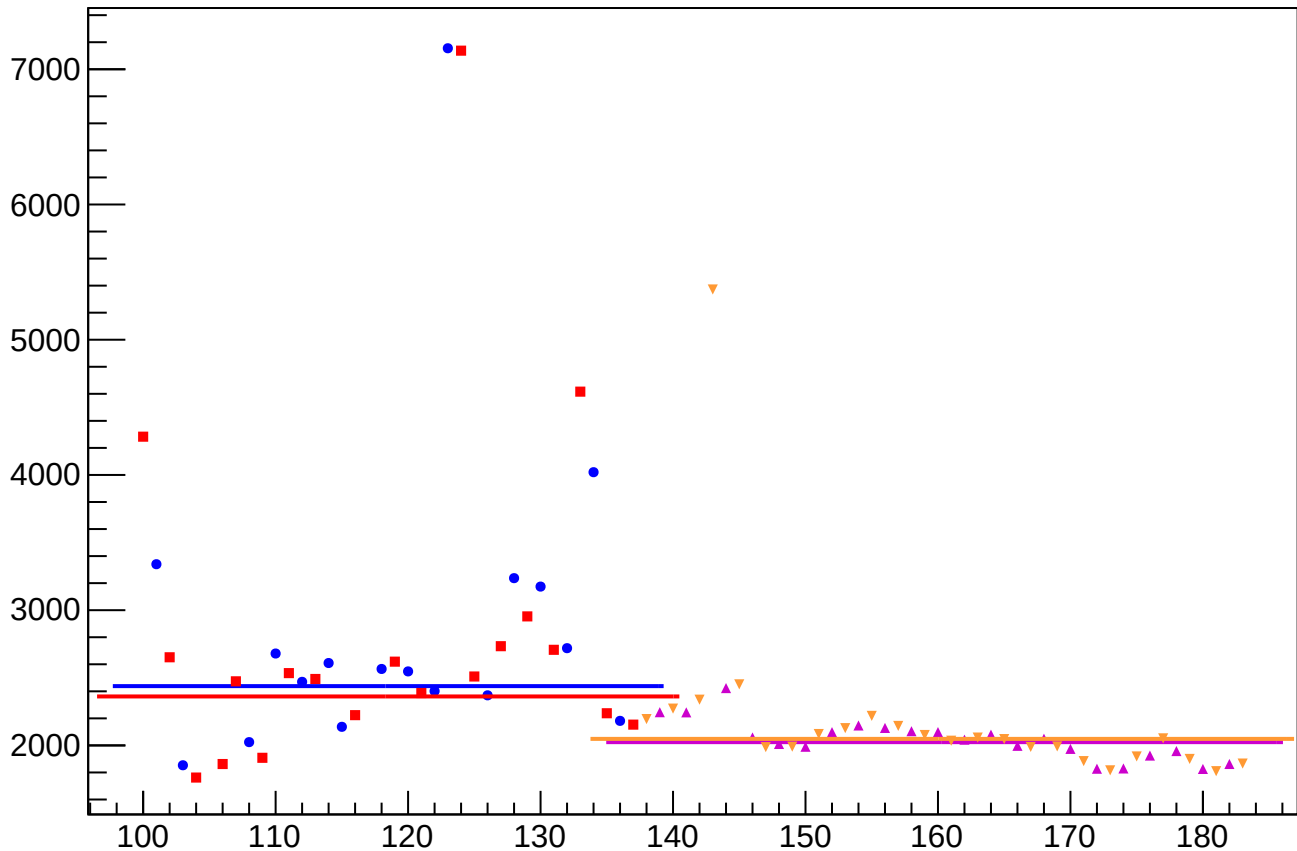
Left In: -327.685 ± 489.878 χ^2/NDF : 20.8/21

+ sign -204.009 ± 434.307 χ^2/NDF : 55.6/40

All: -363.233 ± 306.690 χ^2/NDF : 85.5/81

- sign -521.607 ± 433.145 χ^2/NDF : 29.6/40

asym_at2_dd_rms vs Slug



Right In: 2438.478+/-0.686 χ^2/NDF : 474942.5/16

Left Out: 2048.335+/-0.343 χ^2/NDF : 782209.8/23

Right Out: 2362.082+/-0.656 χ^2/NDF : 657383.2/18

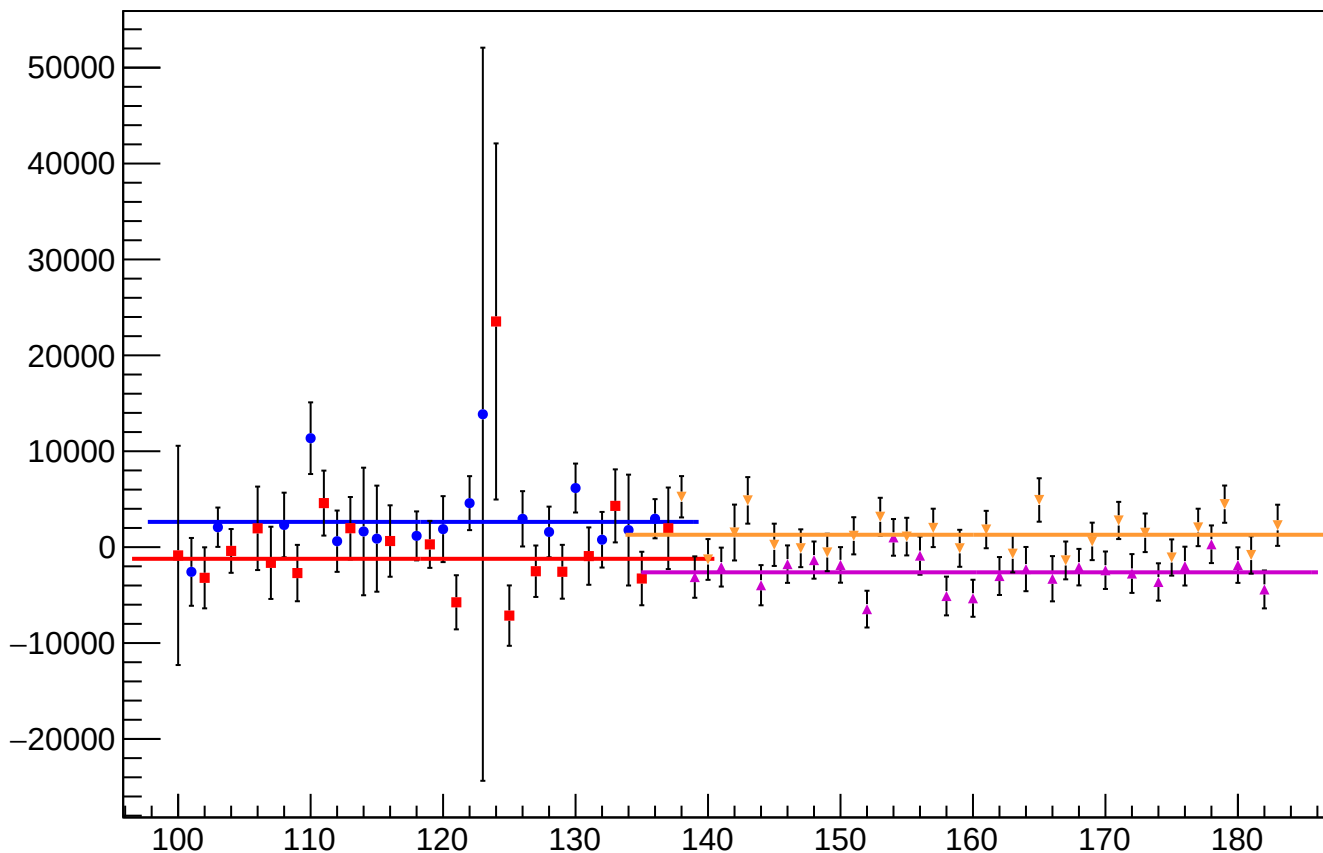
Left In: 2024.190+/-0.346 χ^2/NDF : 168626.6/21

+ sign 2126.458+/-0.307 χ^2/NDF : 1515614.7/40

All: 2112.152+/-0.217 χ^2/NDF : 2553581.4/83

- sign 2097.922+/-0.306 χ^2/NDF : 1033637.9/40

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2633.941 $\pm$ 745.154 χ^2 /NDF: 11.7/16

Left Out: 1291.871 $\pm$ 415.515 χ^2 /NDF:22.3/23

Right Out: -1215.611 $\pm$ 741.742 χ^2 /NDF: 17.4/18

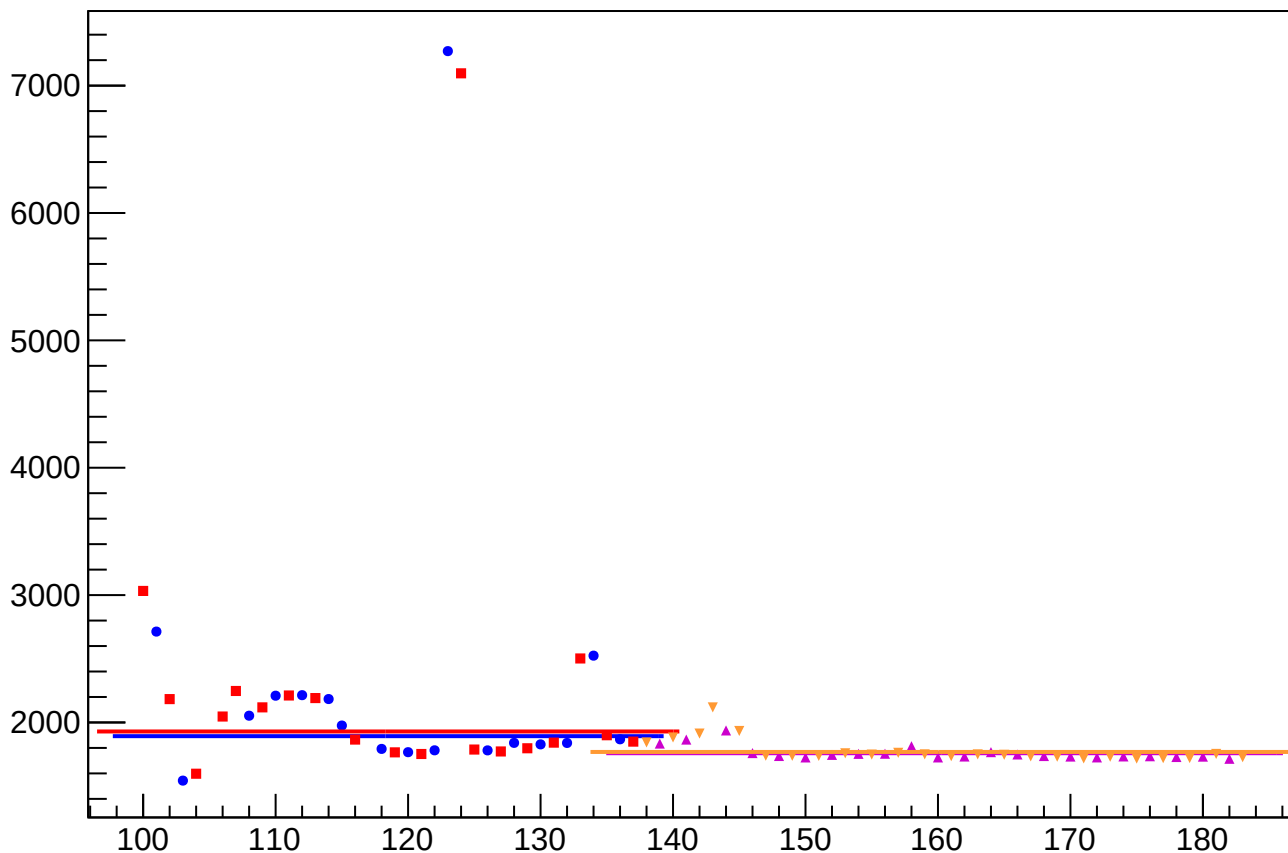
Left In: -2624.395 $\pm$ 425.073 χ^2 /NDF:17.0/21

+ sign 1610.197 $\pm$ 362.906 χ^2 /NDF: 36.5/40

All: -301.630 $\pm$ 258.674 χ^2 /NDF: 130.1/81

- sign -2276.111 $\pm$ 368.805 χ^2 /NDF: 37.1/40

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1892.368+/-0.527 χ^2/NDF : 287730.3/16

Left Out: 1768.447+/-0.294 χ^2/NDF : 76984.8/23

Right Out: 1929.250+/-0.524 χ^2/NDF : 360280.1/18

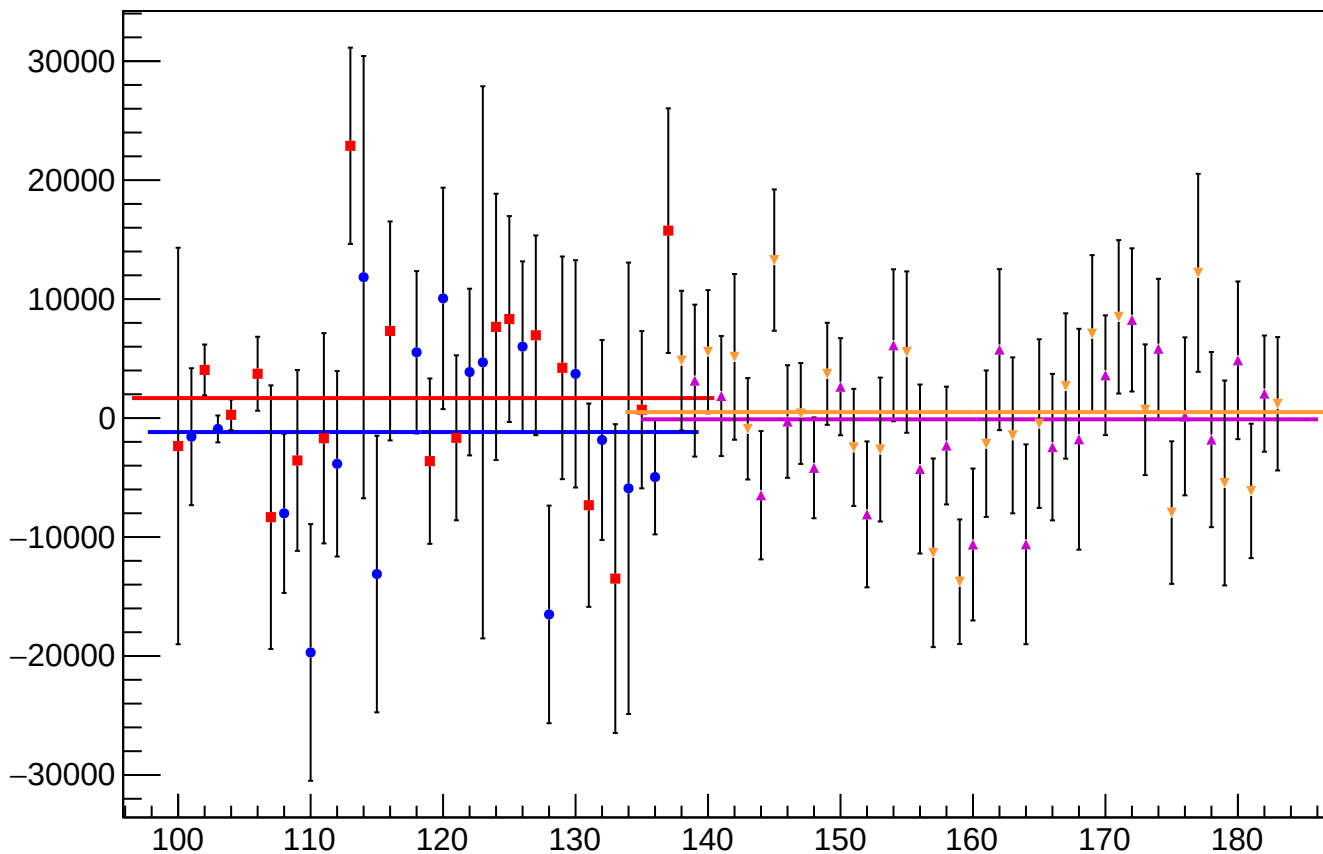
Left In: 1758.524+/-0.301 χ^2/NDF : 29673.2/21

+ sign 1797.840+/-0.257 χ^2/NDF : 406908.8/40

All: 1799.312+/-0.183 χ^2/NDF : 876880.4/81

- sign 1800.832+/-0.261 χ^2/NDF : 469904.7/40

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1175.288 ± 985.256 χ^2/NDF : 13.5/16

Left Out: 500.295 ± 1179.872 χ^2/NDF : 26.9/23

Right Out: 1679.065 ± 942.057 χ^2/NDF : 17.8/18

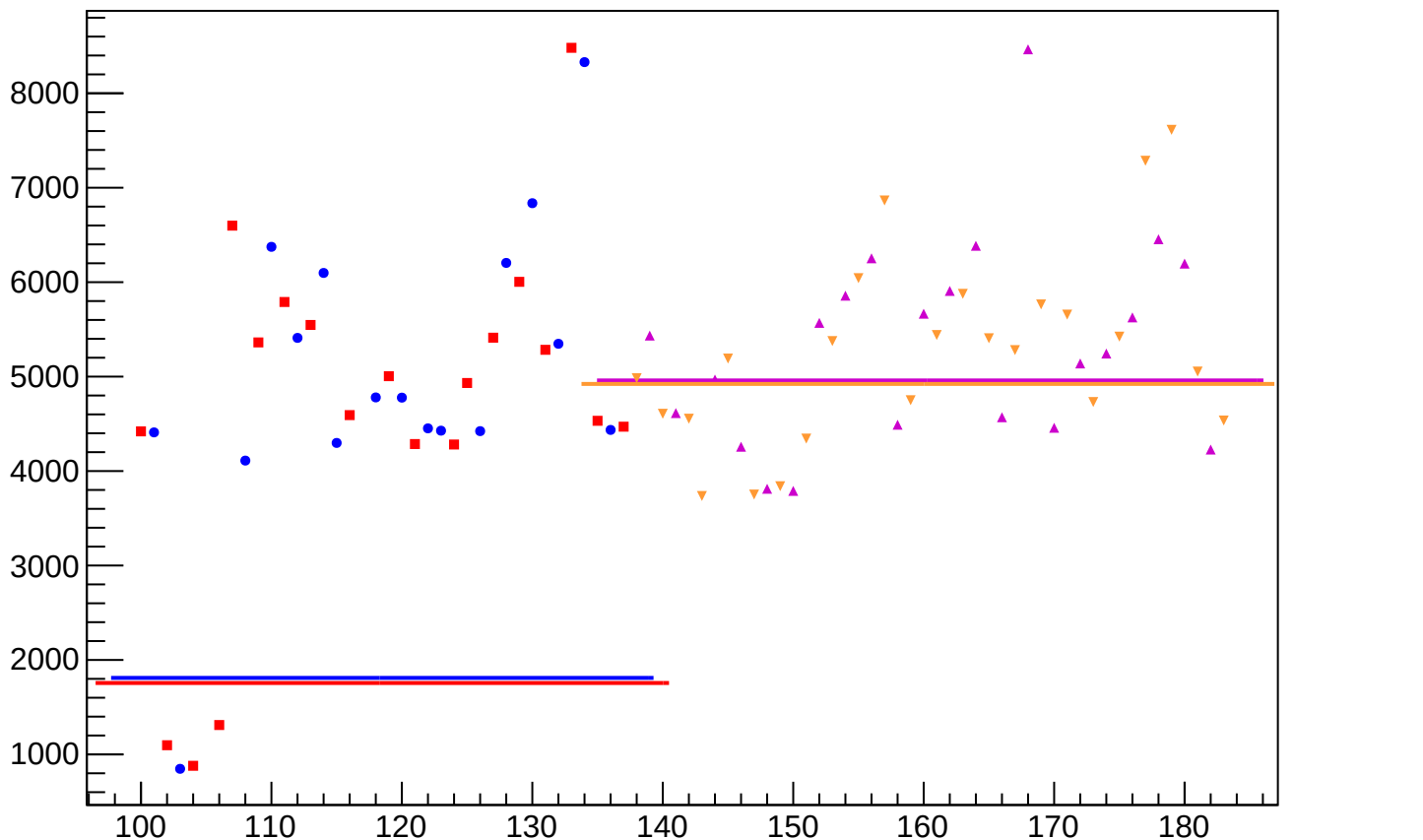
Left In: -105.056 ± 1221.035 χ^2/NDF : 15.9/21

+ sign -486.902 ± 756.255 χ^2/NDF : 41.5/40

All: 273.590 ± 531.043 χ^2/NDF : 78.6/81

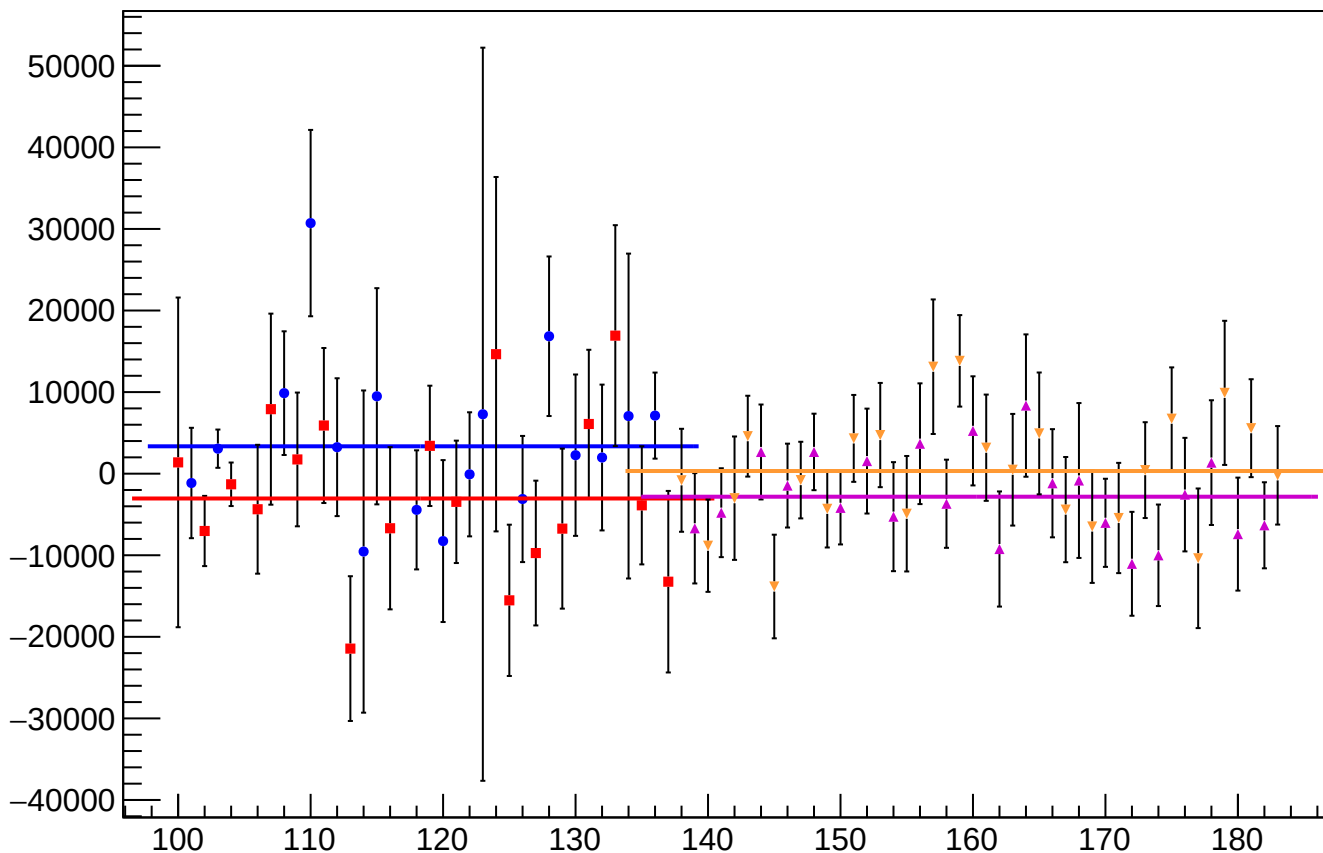
- sign 1013.341 ± 745.870 χ^2/NDF : 35.1/40

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1810.087+/-0.697	χ^2/NDF : 6438570.3/16	+ sign 3088.800+/-0.535	χ^2/NDF : 15821118.8/40
Left Out: 4922.570+/-0.834	χ^2/NDF : 1182583.9/23	All: 3019.184+/-0.376	χ^2/NDF : 31955453.7/8
Right Out: 1756.198+/-0.666	χ^2/NDF : 6295444.5/18	- sign 2951.467+/-0.527	χ^2/NDF : 16100901.8/40
Left In: 4959.484+/-0.863	χ^2/NDF : 1176931.7/21		

asym_atl1r2_avg_mean vs Slug



Right In: 3354.333 $\pm$ 1609.286 χ^2 /NDF: 13.5/16

Left Out: 325.322 $\pm$ 1268.956 χ^2 /NDF:26.7/23

Right Out: -3042.258 $\pm$ 1608.040 χ^2 /NDF: 15.9/18

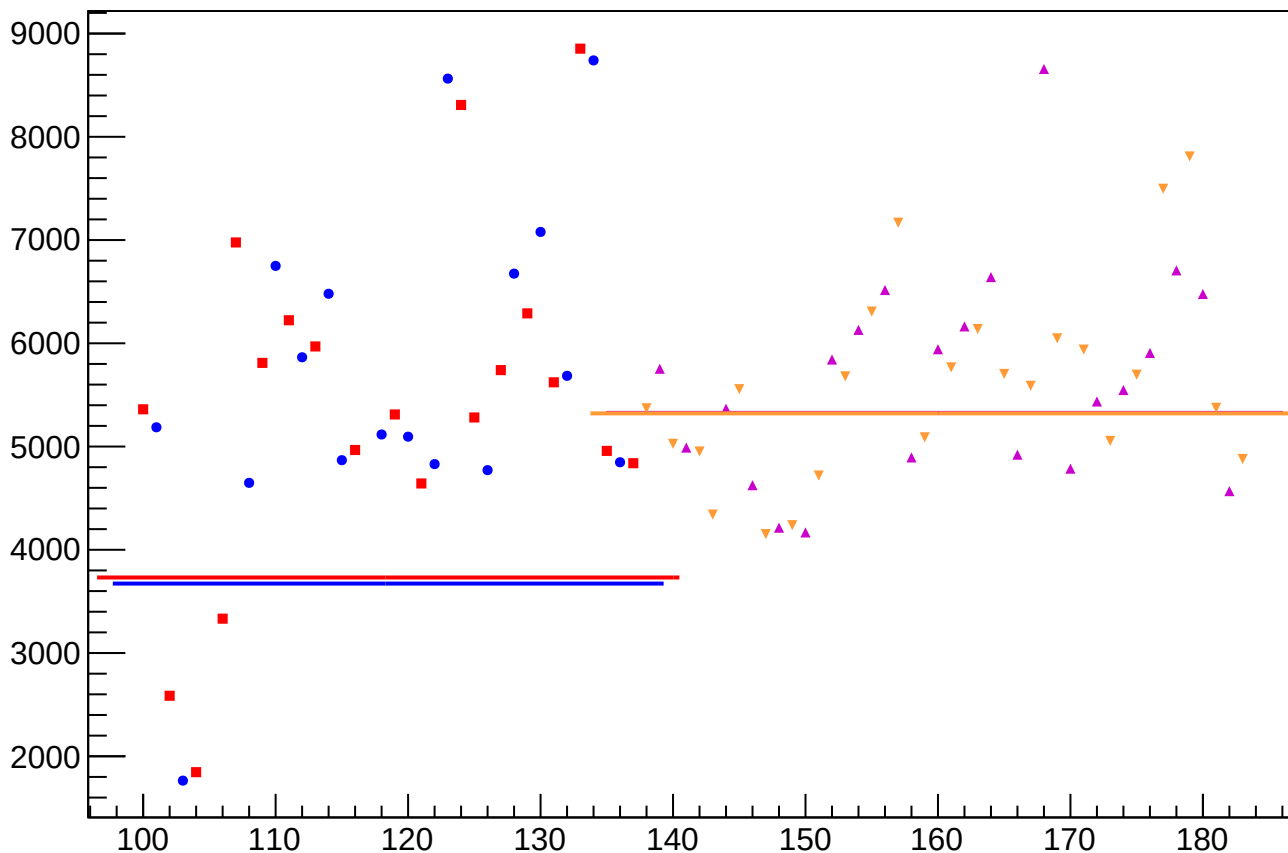
Left In: -2823.959 $\pm$ 1306.366 χ^2 /NDF:12.8/21

+ sign 1486.608 $\pm$ 996.443 χ^2 /NDF: 42.4/40

All: -673.802 $\pm$ 710.697 χ^2 /NDF: 80.7/81

- sign -2910.752 $\pm$ 1013.941 χ^2 /NDF: 28.7/40

asym_atl1r2_avg_rms vs Slug



Right In: 3672.737 $\pm$ 1.138 χ^2 /NDF: 2780170.9/16

Left Out: 5321.189 $\pm$ 0.897 χ^2 /NDF:889411.8/23

Right Out: 3731.692 $\pm$ 1.129 χ^2 /NDF: 2692478.3/18

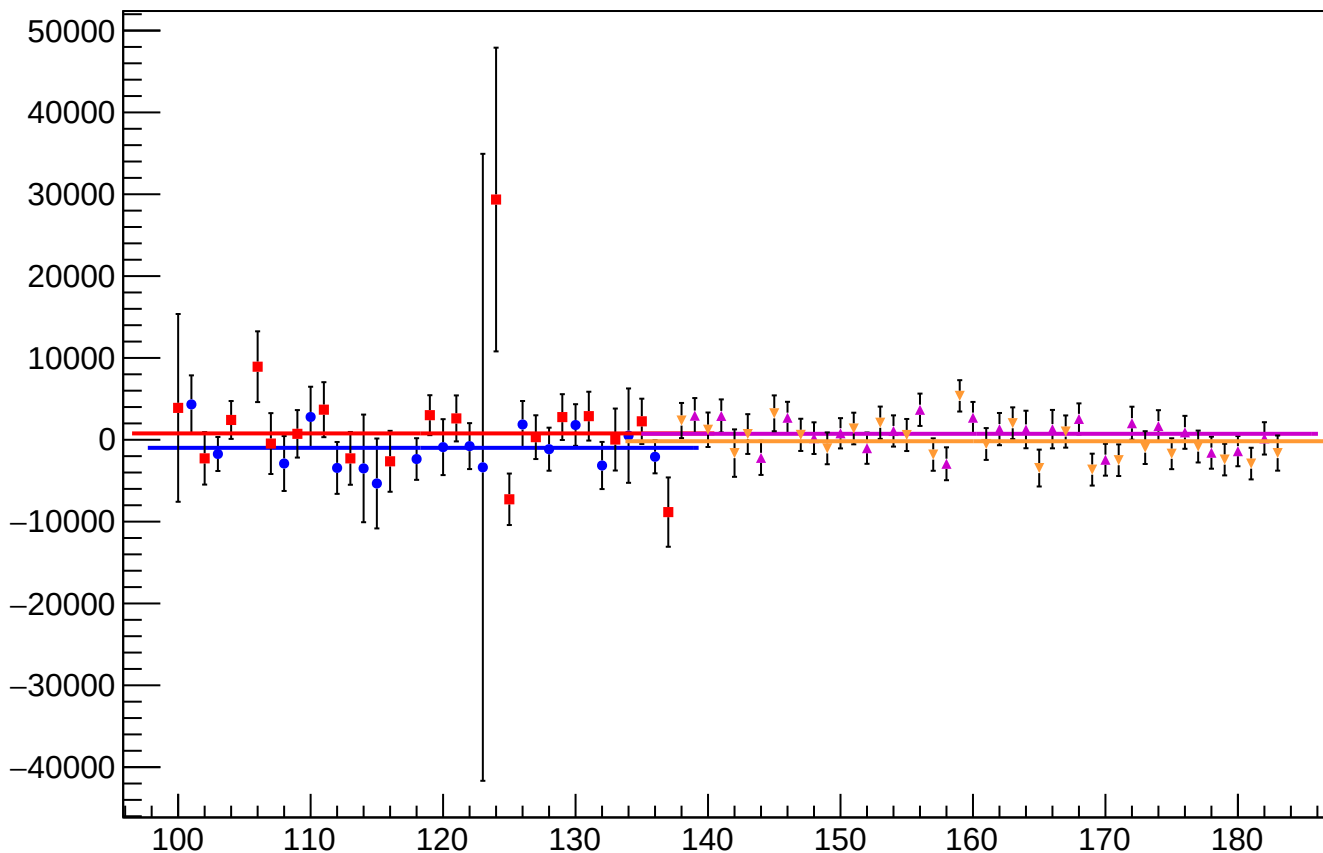
Left In: 5325.956 $\pm$ 0.924 χ^2 /NDF:947999.7/21

+ sign 4689.192 $\pm$ 0.705 χ^2 /NDF: 4963564.6/40

All: 4688.108 $\pm$ 0.502 χ^2 /NDF: 9797863.9/81

- sign 4686.991 $\pm$ 0.715 χ^2 /NDF: 4834294.5/40

reg_asym_atl1r2_dd_mean vs Slug



Right In: -984.395 ± 742.831 χ^2/NDF : 8.5/16

Left Out: -177.424 ± 413.954 χ^2/NDF : 29.3/23

Right Out: 778.348 ± 739.635 χ^2/NDF : 24.3/18

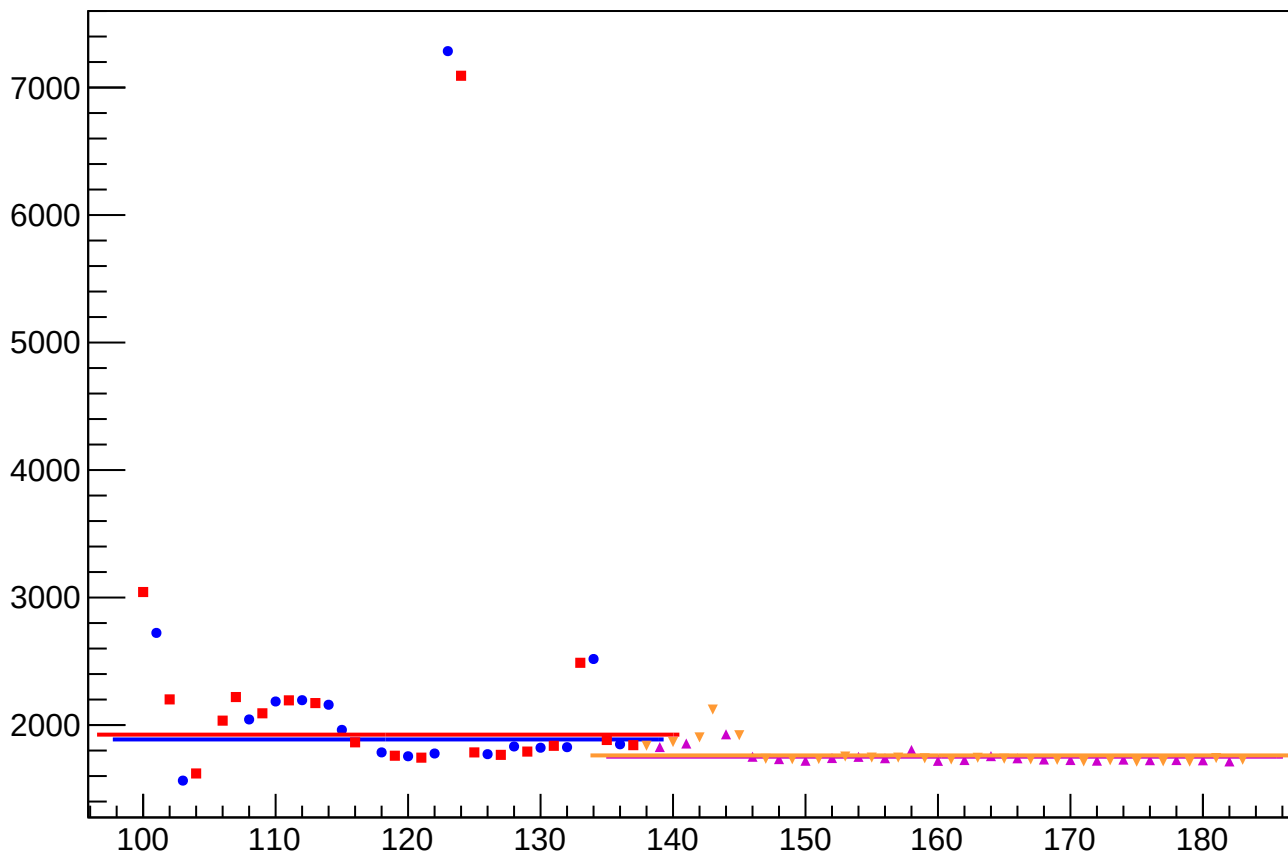
Left In: 730.422 ± 423.441 χ^2/NDF : 20.0/21

+ sign -368.643 ± 361.598 χ^2/NDF : 38.7/40

All: 177.843 ± 257.743 χ^2/NDF : 87.6/81

- sign 742.253 ± 367.480 χ^2/NDF : 44.3/40

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1887.042 $\pm$ 0.525 χ^2 /NDF: 279163.5/16

Left Out: 1761.840 $\pm$ 0.293 χ^2 /NDF: 77011.4/23

Right Out: 1924.813 $\pm$ 0.522 χ^2 /NDF: 349556.4/18

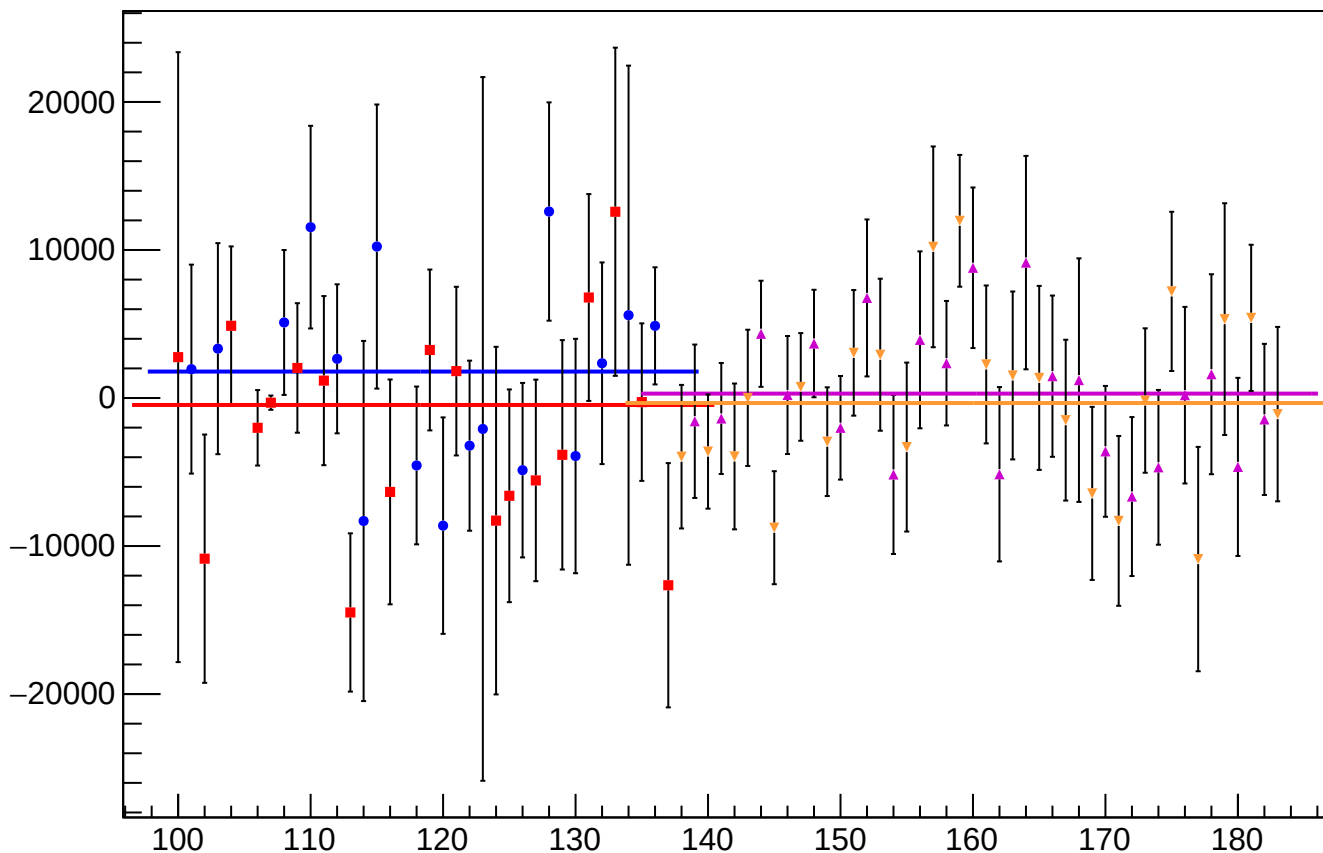
Left In: 1751.804 $\pm$ 0.299 χ^2 /NDF: 28478.4/21

+ sign 1791.508 $\pm$ 0.256 χ^2 /NDF: 399527.8/40

All: 1793.036 $\pm$ 0.182 χ^2 /NDF: 860246.3/81

- sign 1794.612 $\pm$ 0.260 χ^2 /NDF: 460645.8/40

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1787.135 $\pm$ 1585.326 χ^2/NDF : 12.9/16

Left Out: -338.620 $\pm$ 1010.838 χ^2/NDF : 27.9/23

Right Out: -469.568 $\pm$ 453.765 χ^2/NDF : 18.1/18

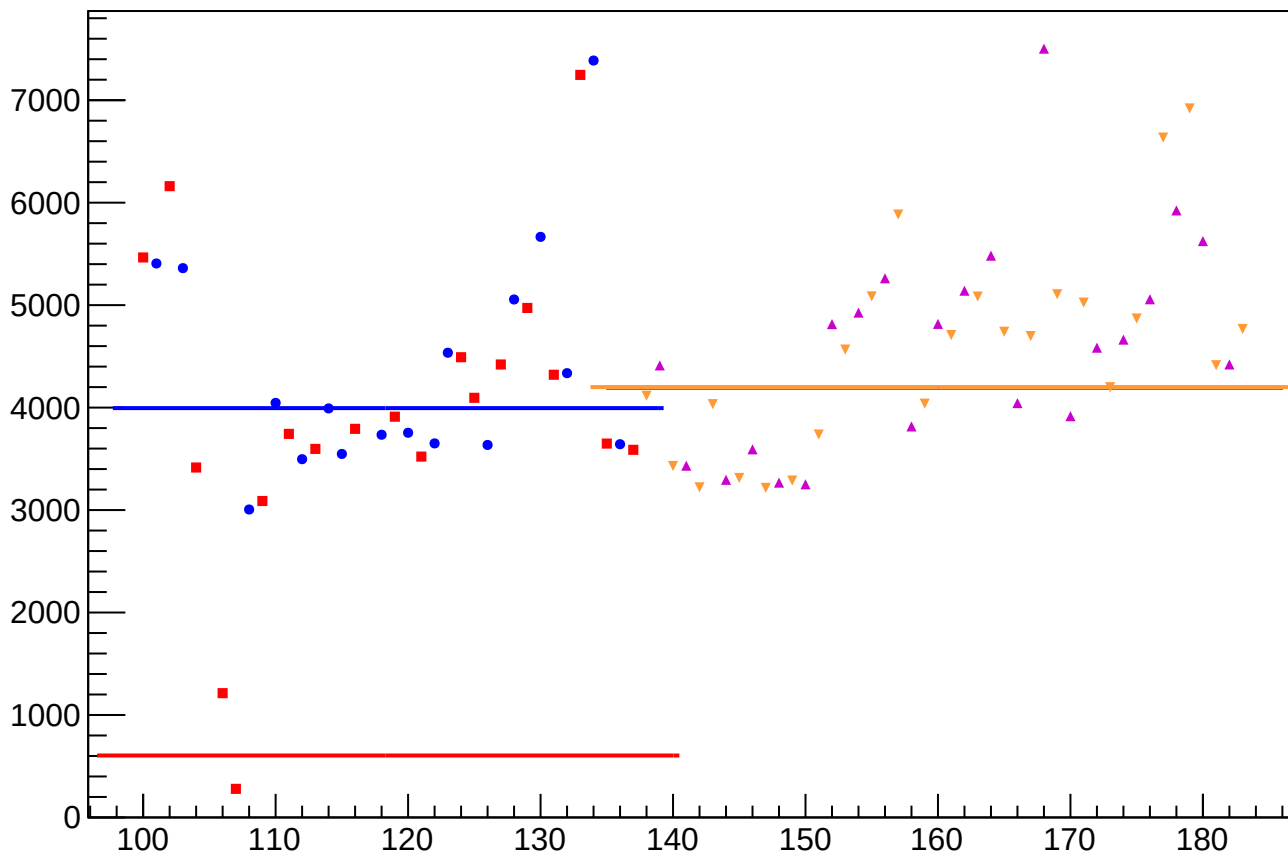
Left In: 297.895 $\pm$ 1036.748 χ^2/NDF : 15.1/21

+ sign 275.821 $\pm$ 852.319 χ^2/NDF : 42.1/40

All: -226.660 $\pm$ 373.624 χ^2/NDF : 76.2/81

- sign -346.185 $\pm$ 415.692 χ^2/NDF : 33.7/40

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3994.850+/-1.121 χ^2 /NDF: 514121.6/16

Left Out: 4200.294+/-0.715 χ^2 /NDF:1436444.4/23

Right Out: 604.597+/-0.321 χ^2 /NDF: 10213257.4/18

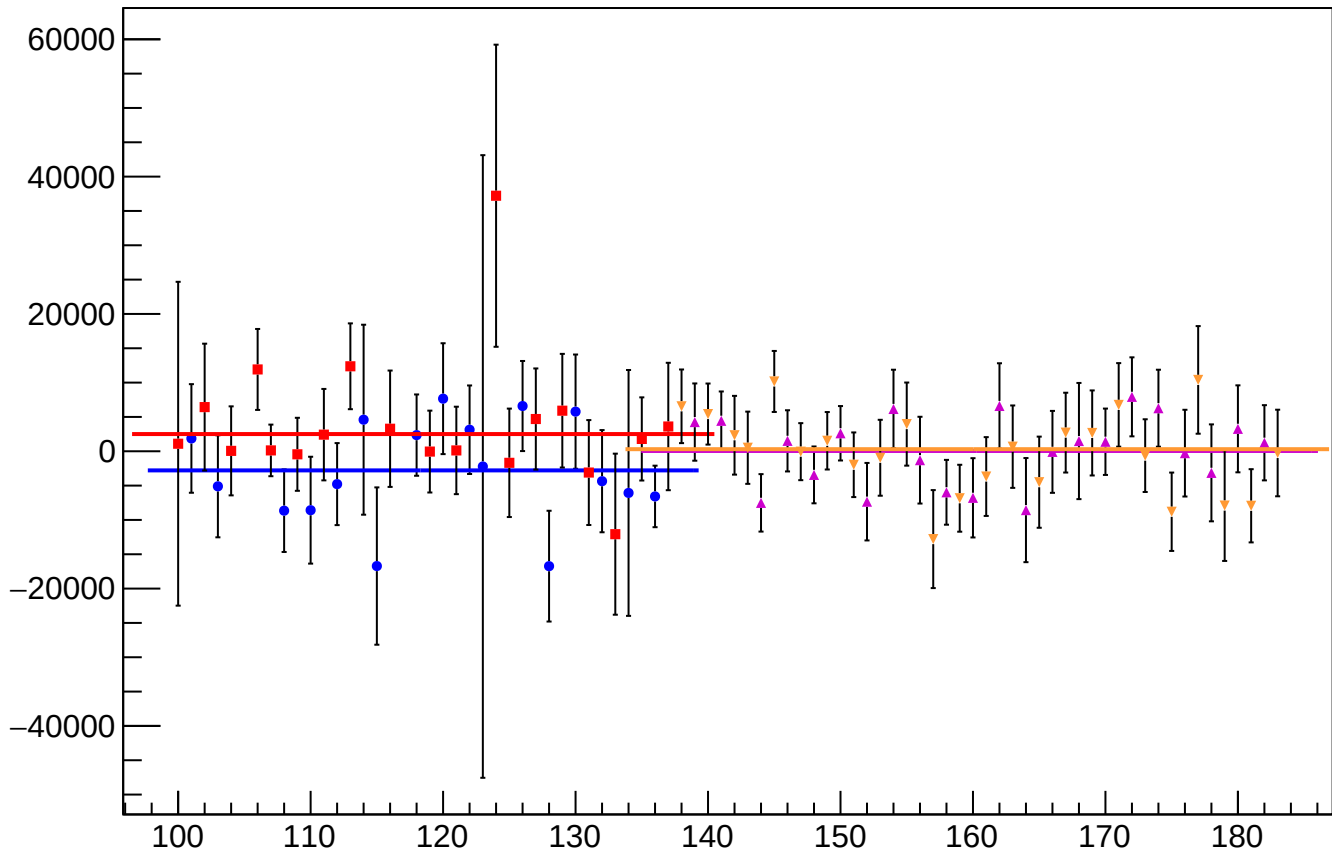
Left In: 4193.121+/-0.733 χ^2 /NDF:1468896.7/21

+ sign 4140.911+/-0.603 χ^2 /NDF: 1974445.2/40

All: 1750.195+/-0.264 χ^2 /NDF: 53244481.1/8

- sign 1181.515+/-0.294 χ^2 /NDF: 31791479.5/40

asym_atl1r2_dd_mean vs Slug



Right In: -2785.964 ± 1791.352 χ^2/NDF : 14.0/16

Left Out: 303.648 ± 1113.569 χ^2/NDF : 24.1/23

Right Out: 2505.806 ± 1577.964 χ^2/NDF : 11.5/18

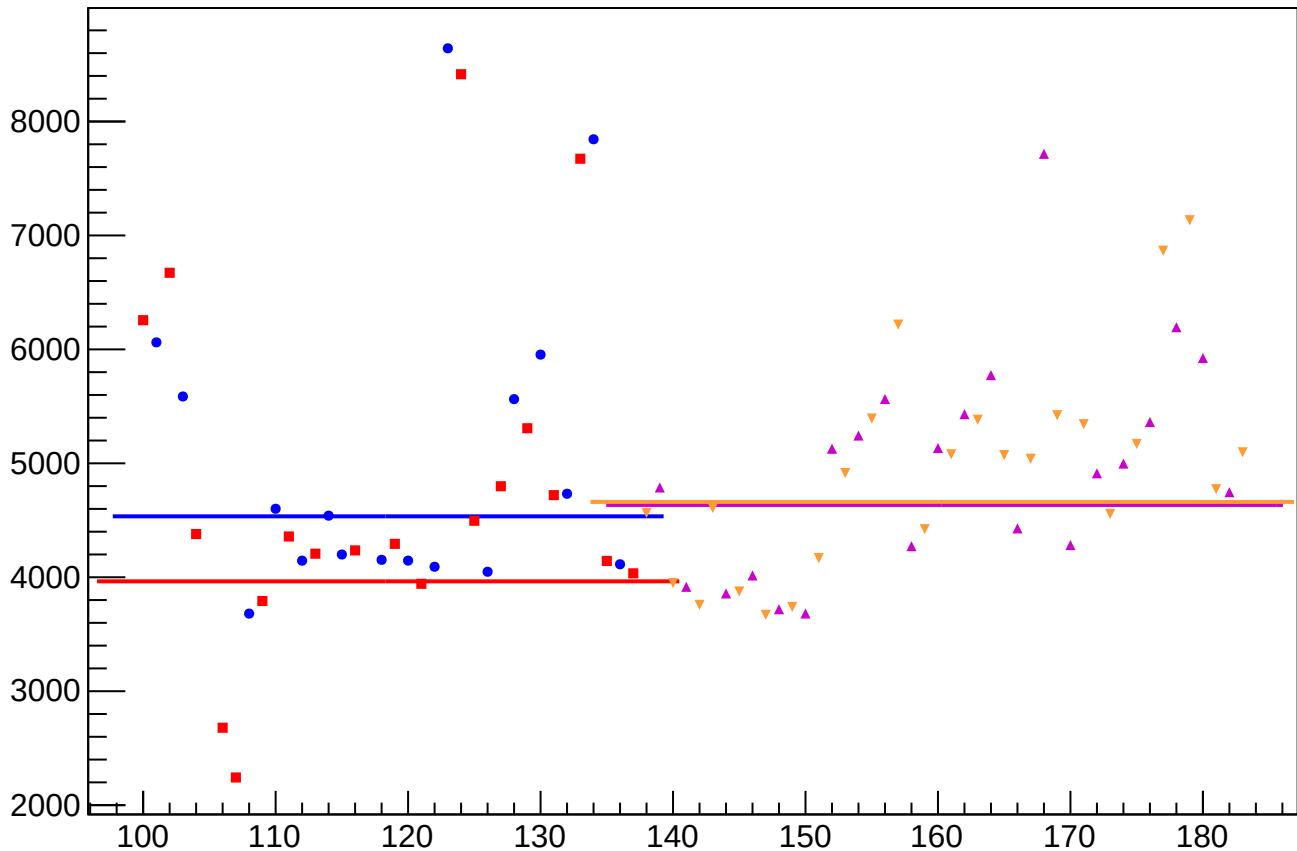
Left In: 45.955 ± 1138.539 χ^2/NDF : 18.2/21

+ sign -557.500 ± 945.732 χ^2/NDF : 40.2/40

All: 182.660 ± 660.658 χ^2/NDF : 72.8/81

- sign 888.118 ± 923.296 χ^2/NDF : 31.3/40

asym_atl1r2_dd_rms vs Slug



Right In: 4534.748+/-1.267 χ^2/NDF : 393206.7/16

Left Out: 4661.311+/-0.787 χ^2/NDF : 1014746.1/23

Right Out: 3964.264+/-1.109 χ^2/NDF : 1142035.1/18

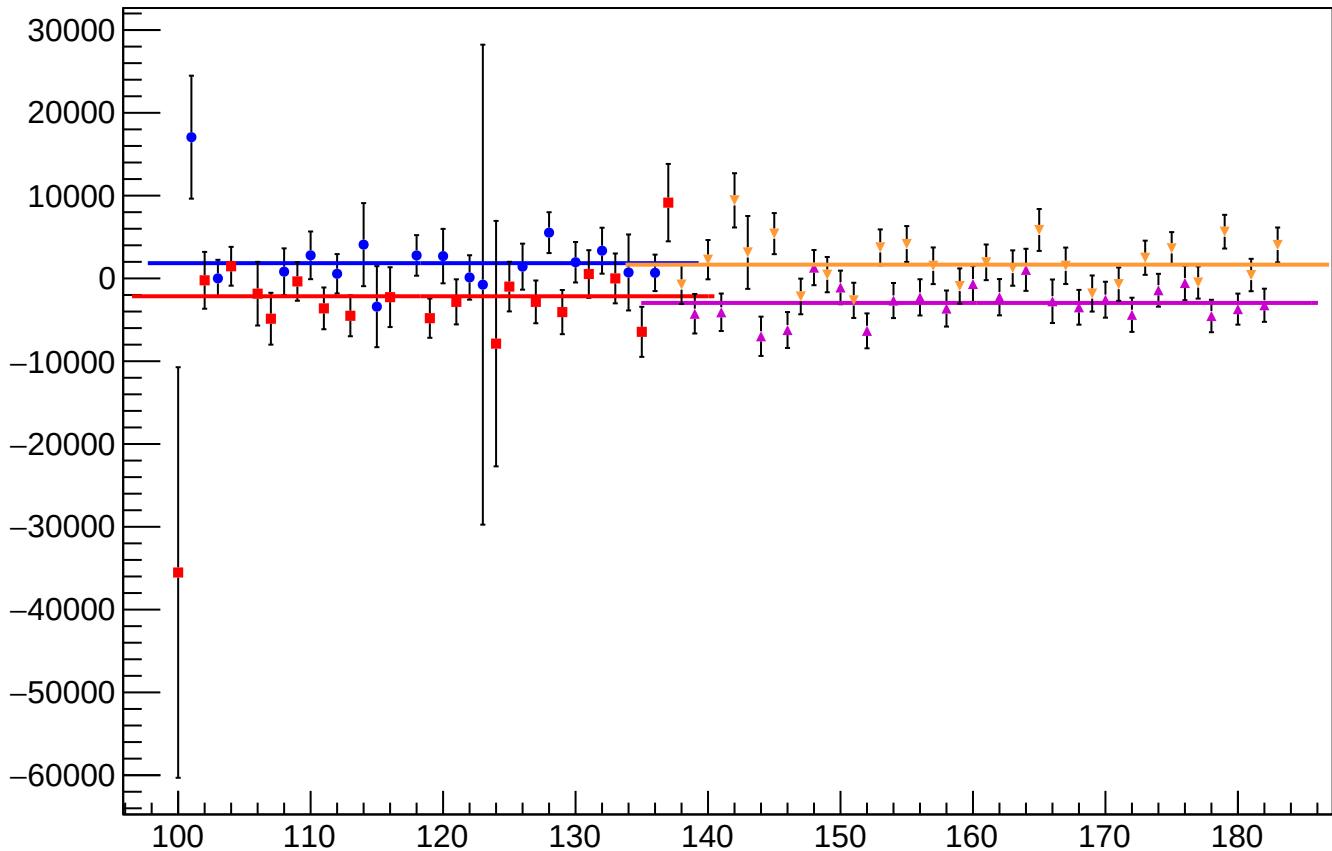
Left In: 4634.710+/-0.805 χ^2/NDF : 1064283.4/21

+ sign 4626.035+/-0.669 χ^2/NDF : 1415153.7/40

All: 4511.711+/-0.467 χ^2/NDF : 3917882.5/83

- sign 4403.227+/-0.651 χ^2/NDF : 2445769.7/40

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1842.914 ± 713.221 χ^2/NDF : 10.3/16

Left Out: 1663.009 ± 450.987 χ^2/NDF : 35.1/23

Right Out: -2154.577 ± 686.055 χ^2/NDF : 18.6/18

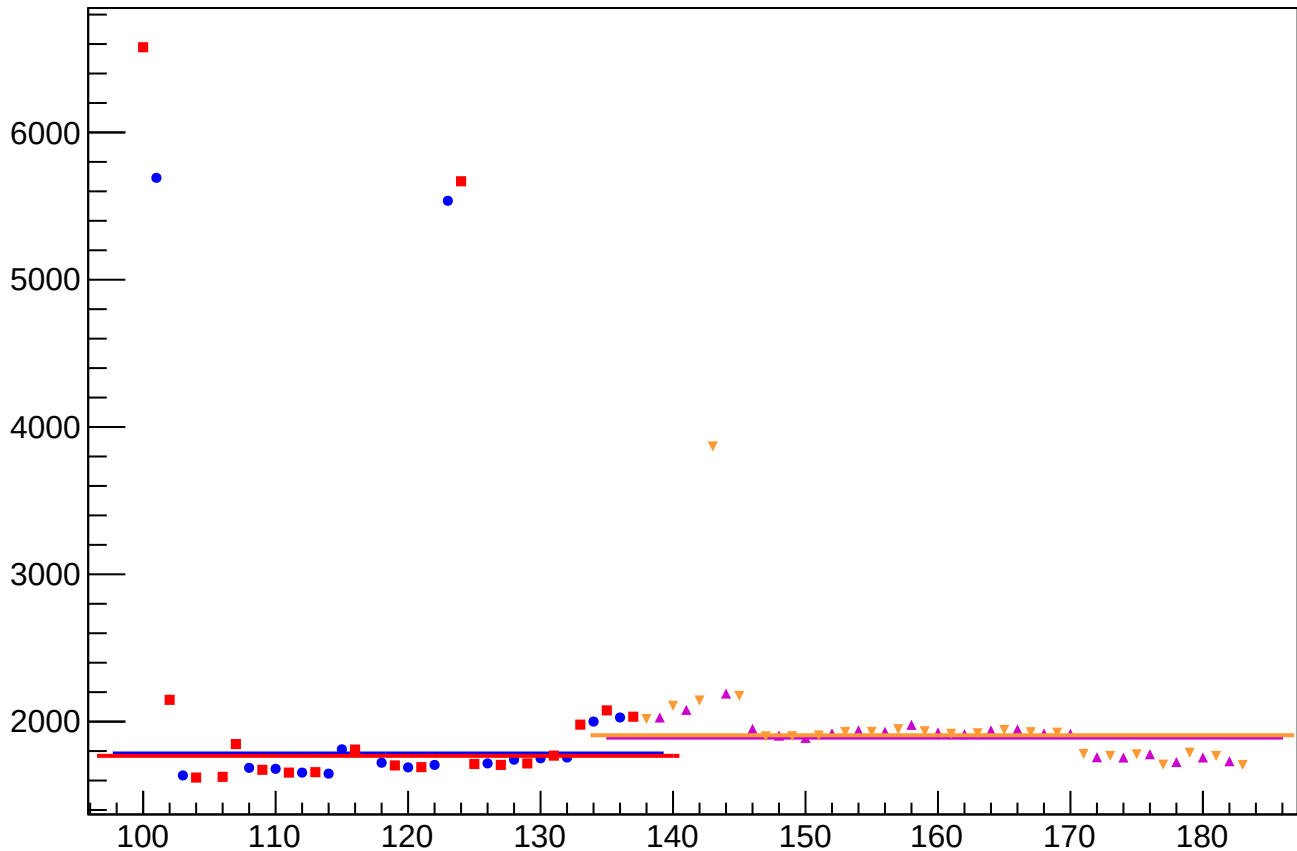
Left In: -2960.157 ± 457.937 χ^2/NDF : 20.4/21

+ sign 1714.395 ± 381.176 χ^2/NDF : 45.4/40

All: -500.446 ± 269.428 χ^2/NDF : 152.8/81

- sign -2711.861 ± 380.881 χ^2/NDF : 39.9/40

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1783.480+/-0.504 χ^2/NDF : 644626.7/16

Left Out: 1907.357+/-0.319 χ^2/NDF : 533642.7/23

Right Out: 1767.629+/-0.482 χ^2/NDF : 306027.2/18

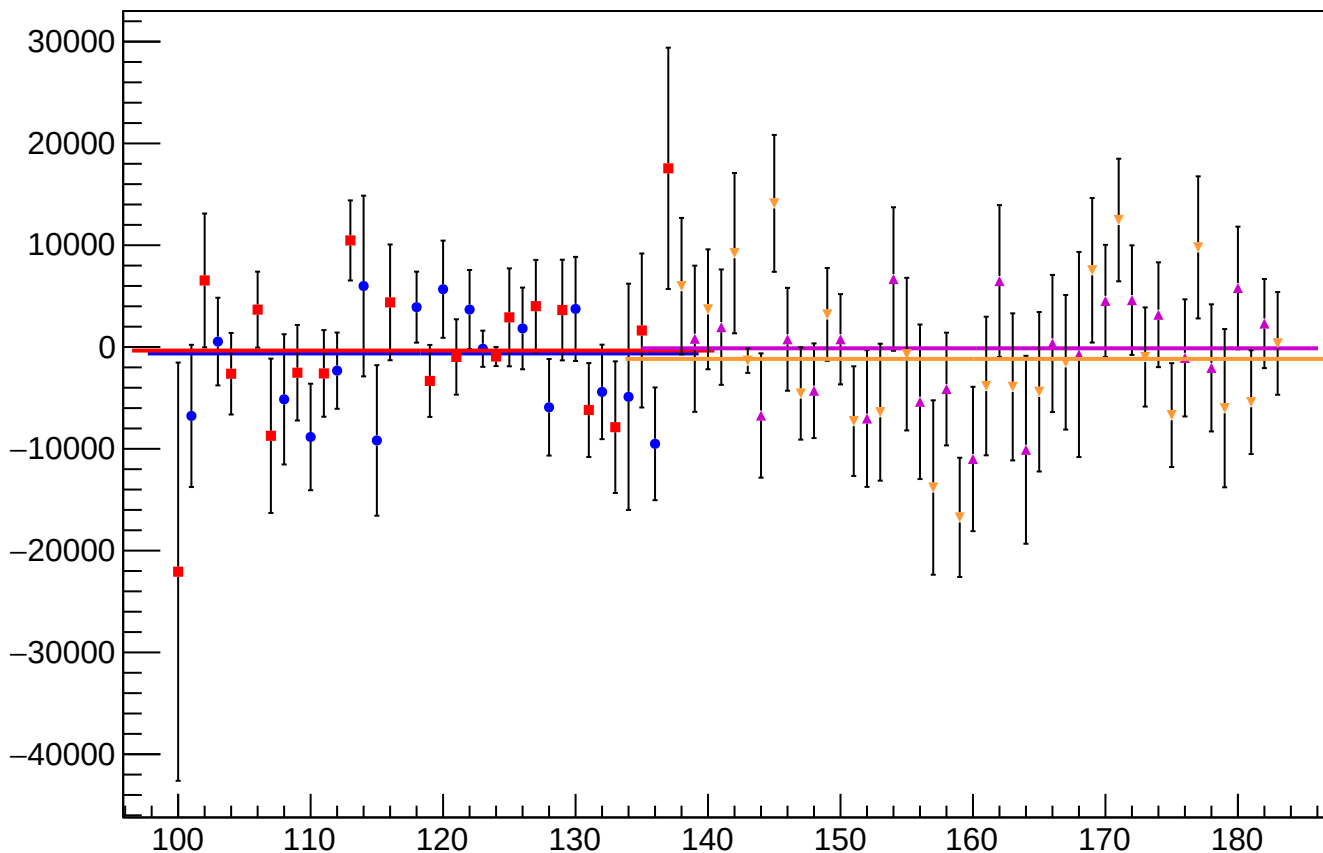
Left In: 1891.457+/-0.324 χ^2/NDF : 123111.9/21

+ sign 1871.974+/-0.270 χ^2/NDF : 1221369.9/40

All: 1862.422+/-0.190 χ^2/NDF : 1698518.2/83

- sign 1852.925+/-0.269 χ^2/NDF : 474643.6/40

asym_atr1l2_avg_correction_mean vs Slug



Right In: -628.255 ± 1010.986 χ^2/NDF : 16.4/16

Left Out: -1167.053 ± 870.029 χ^2/NDF : 33.3/23

Right Out: -347.826 ± 725.877 χ^2/NDF : 22.1/18

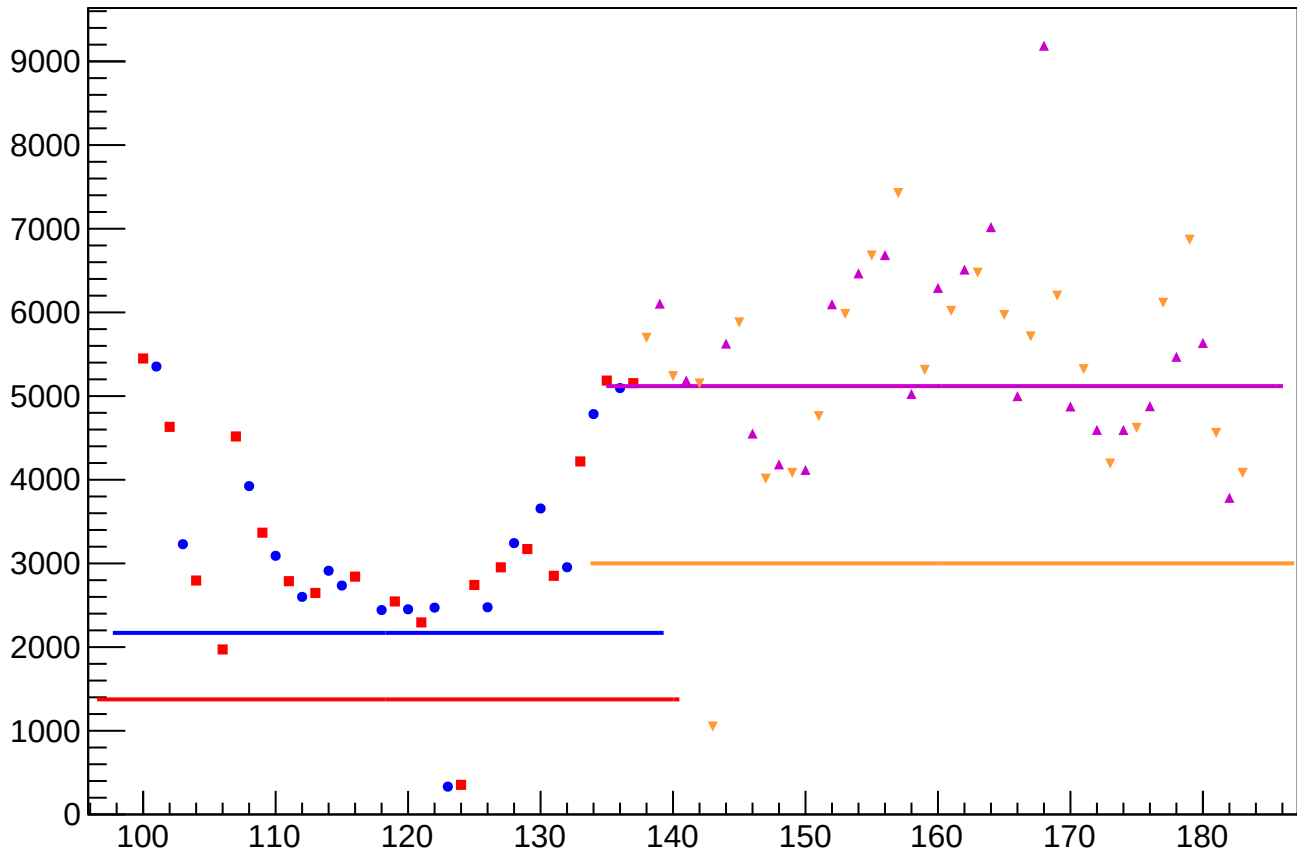
Left In: -126.260 ± 1261.563 χ^2/NDF : 12.8/21

+ sign -937.804 ± 659.456 χ^2/NDF : 49.8/40

All: -600.106 ± 455.218 χ^2/NDF : 85.3/81

- sign -292.718 ± 629.164 χ^2/NDF : 35.0/40

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2169.912 $\pm$ 0.715 χ^2 /NDF: 3978081.8/16

Left Out: 3001.231 $\pm$ 0.615 χ^2 /NDF: 12236160.4/23

Right Out: 1375.364 $\pm$ 0.513 χ^2 /NDF: 6838676.6/18

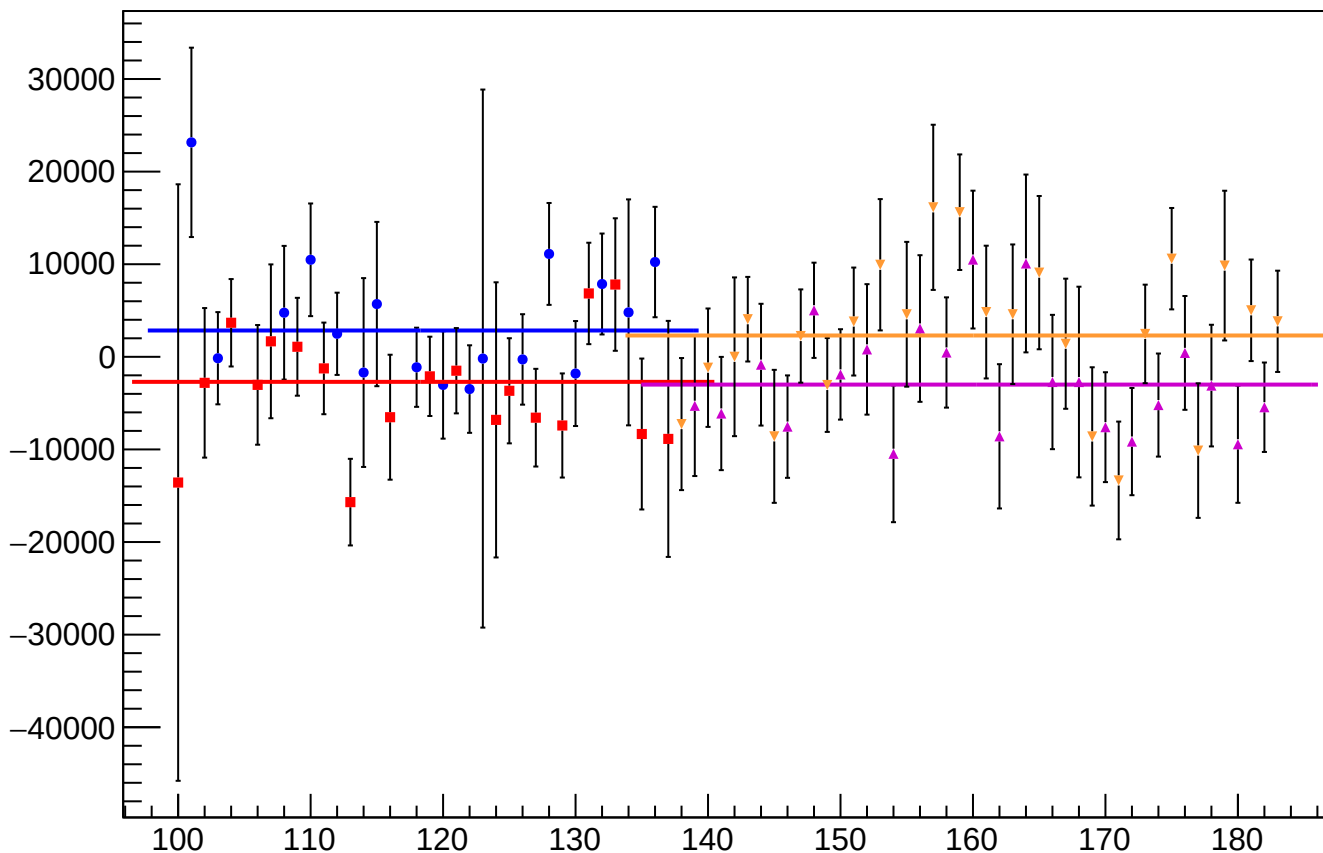
Left In: 5119.149 $\pm$ 0.892 χ^2 /NDF: 1251490.2/21

+ sign 2647.520 $\pm$ 0.466 χ^2 /NDF: 16991167.8/40

All: 2469.006 $\pm$ 0.322 χ^2 /NDF: 38593605.8/80

- sign 2306.516 $\pm$ 0.445 χ^2 /NDF: 21322482.8/40

asym_atr1l2_avg_mean vs Slug



Right In: 2842.572 $\pm$ 1452.178 χ^2 /NDF: 15.7/16

Left Out: 2303.675 $\pm$ 1300.120 χ^2 /NDF:29.5/23

Right Out: -2702.572 $\pm$ 1382.936 χ^2 /NDF: 18.2/18

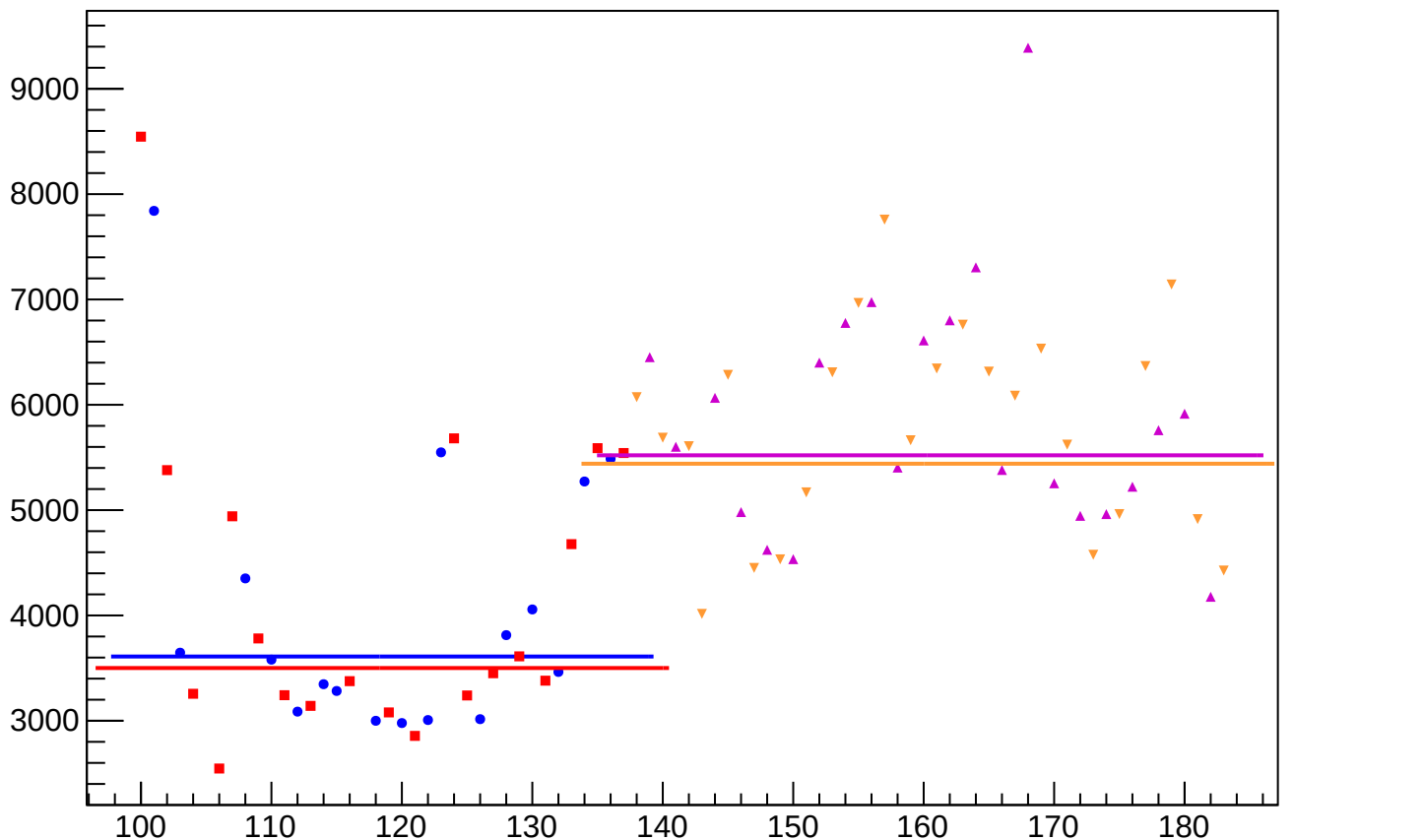
Left In: -2999.567 $\pm$ 1355.459 χ^2 /NDF:15.0/21

+ sign 2543.441 $\pm$ 968.637 χ^2 /NDF: 45.3/40

All: -157.017 $\pm$ 684.712 χ^2 /NDF: 94.1/81

- sign -2854.050 $\pm$ 968.023 χ^2 /NDF: 33.2/40

asym_atr1l2_avg_rms vs Slug



Right In: 3610.008 ± 1.027 $\chi^2/\text{NDF}: 783187.3/16$

Left Out: 5440.405 ± 0.919 $\chi^2/\text{NDF}: 1084730.0/23$

Right Out: 3500.718 ± 0.964 $\chi^2/\text{NDF}: 661555.5/18$

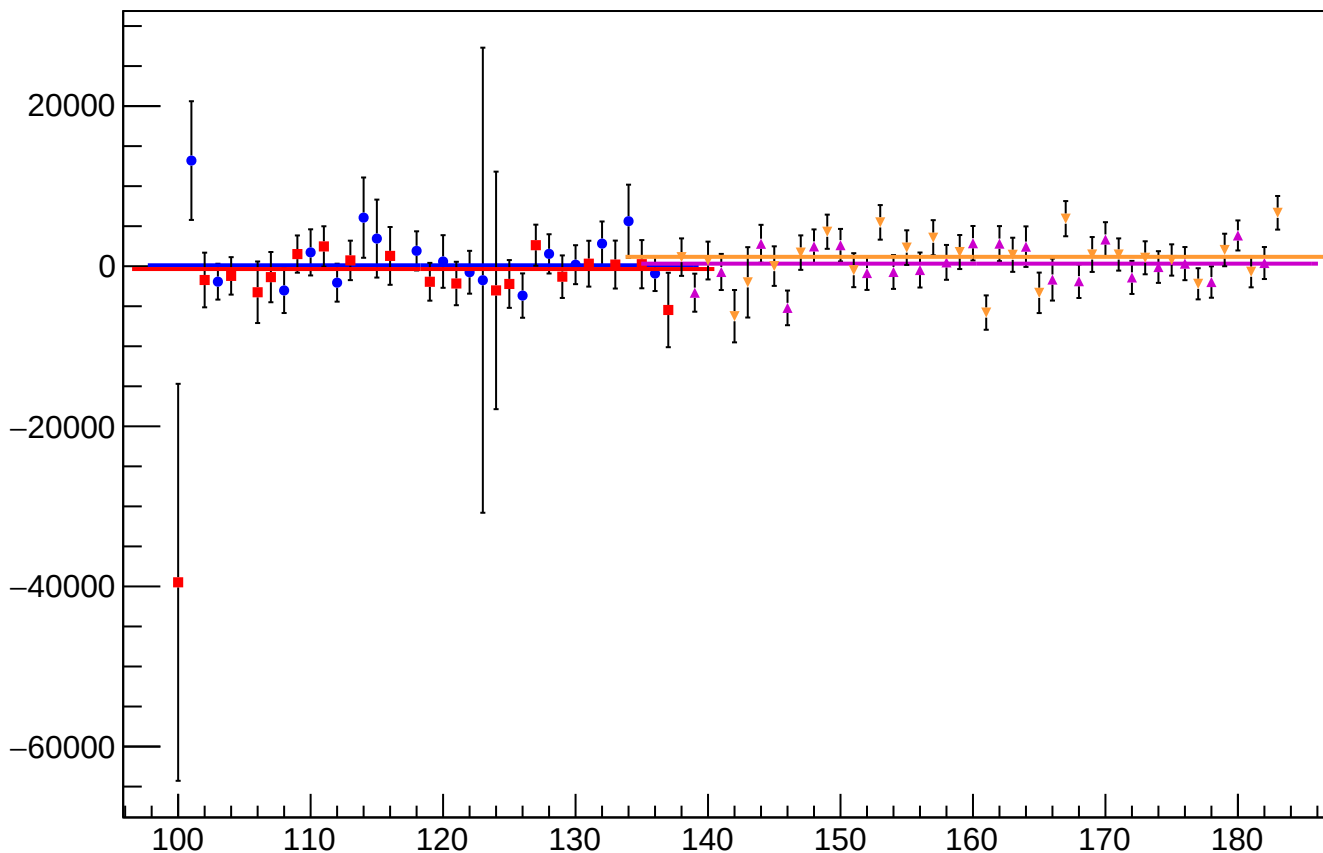
Left In: 5520.297 ± 0.958 $\chi^2/\text{NDF}: 1026360.6/21$

+ sign 4626.018 ± 0.685 $\chi^2/\text{NDF}: 3631676.1/40$

All: 4570.876 ± 0.482 $\chi^2/\text{NDF}: 7539124.1/83$

- sign 4516.564 ± 0.680 $\chi^2/\text{NDF}: 3894582.5/40$

reg_asym_atr1l2_dd_mean vs Slug



Right In: 115.789 ± 711.081 χ^2/NDF : 13.7/16

Left Out: 1171.385 ± 450.140 χ^2/NDF : 43.7/23

Right Out: -353.491 ± 683.689 χ^2/NDF : 9.9/18

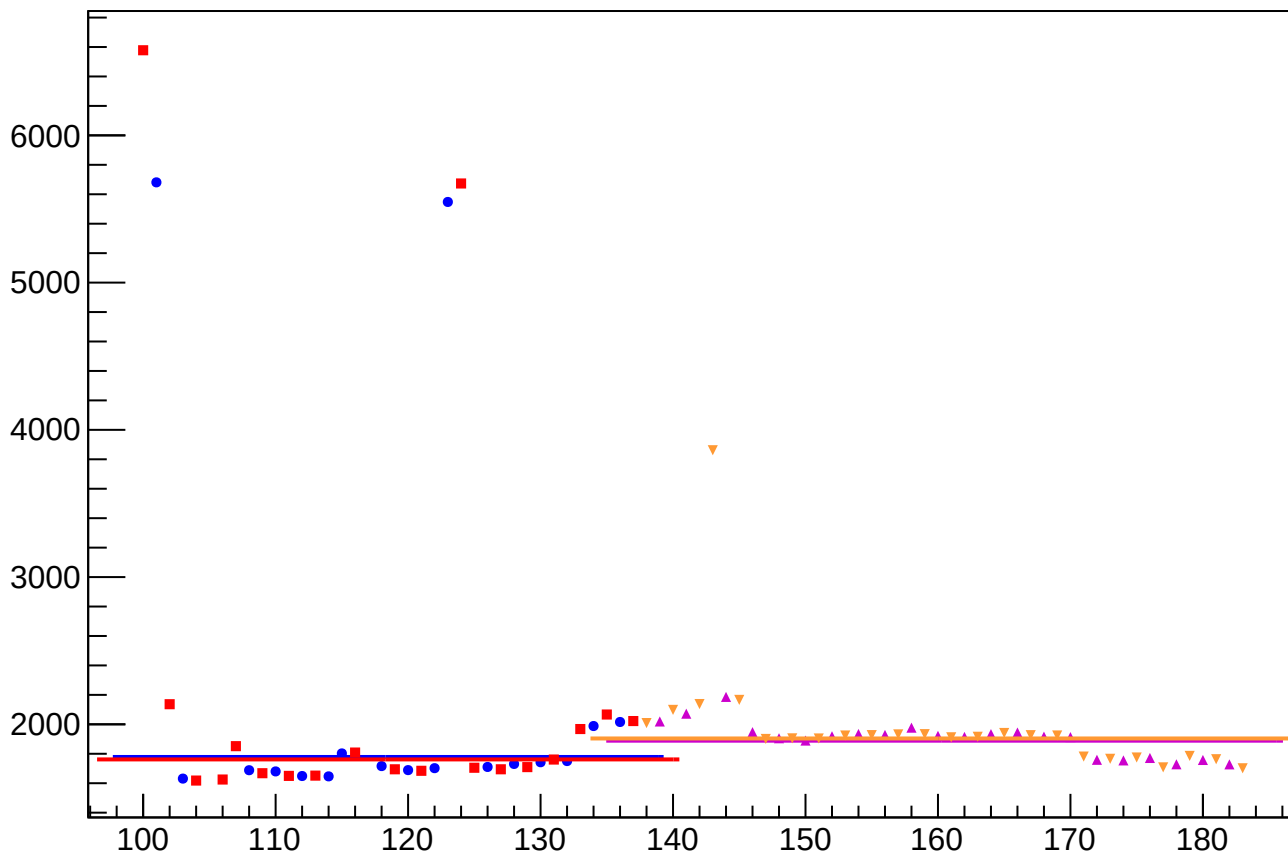
Left In: 319.188 ± 457.309 χ^2/NDF : 25.8/21

+ sign 869.391 ± 380.338 χ^2/NDF : 59.0/40

All: 490.101 ± 268.861 χ^2/NDF : 97.4/81

- sign 111.257 ± 380.115 χ^2/NDF : 36.4/40

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1778.202 $\pm$ 0.503 χ^2 /NDF: 642982.9/16

Left Out: 1903.909 $\pm$ 0.318 χ^2 /NDF: 530401.7/23

Right Out: 1761.653 $\pm$ 0.480 χ^2 /NDF: 305365.0/18

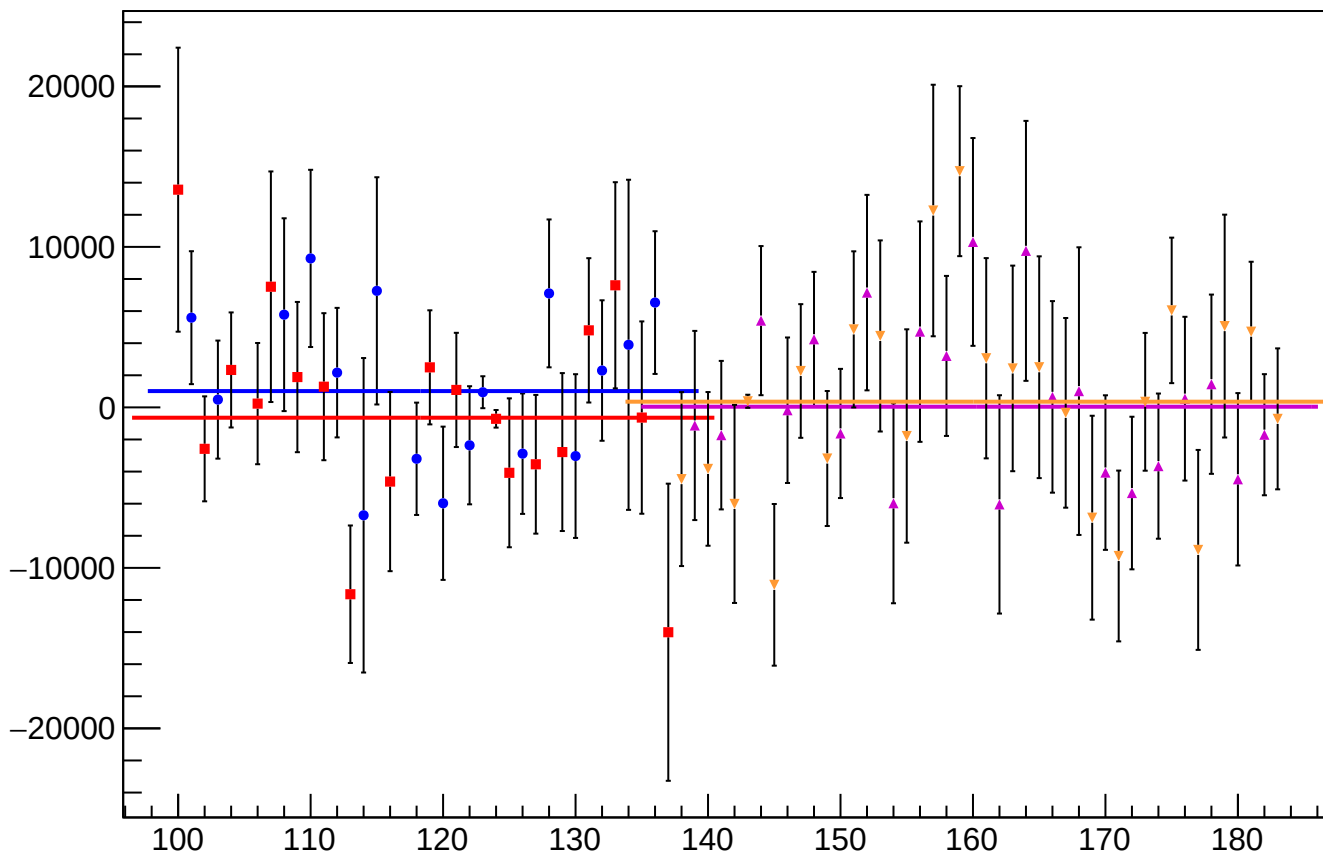
Left In: 1888.960 $\pm$ 0.323 χ^2 /NDF: 120077.1/21

+ sign 1867.946 $\pm$ 0.269 χ^2 /NDF: 1218007.3/40

All: 1858.564 $\pm$ 0.190 χ^2 /NDF: 1694241.6/83

- sign 1849.234 $\pm$ 0.268 χ^2 /NDF: 473807.5/40

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1015.864 ± 753.323 χ^2/NDF : 15.2/16

Left Out: 355.192 ± 382.617 χ^2/NDF : 30.0/23

Right Out: -643.706 ± 488.275 χ^2/NDF : 20.0/18

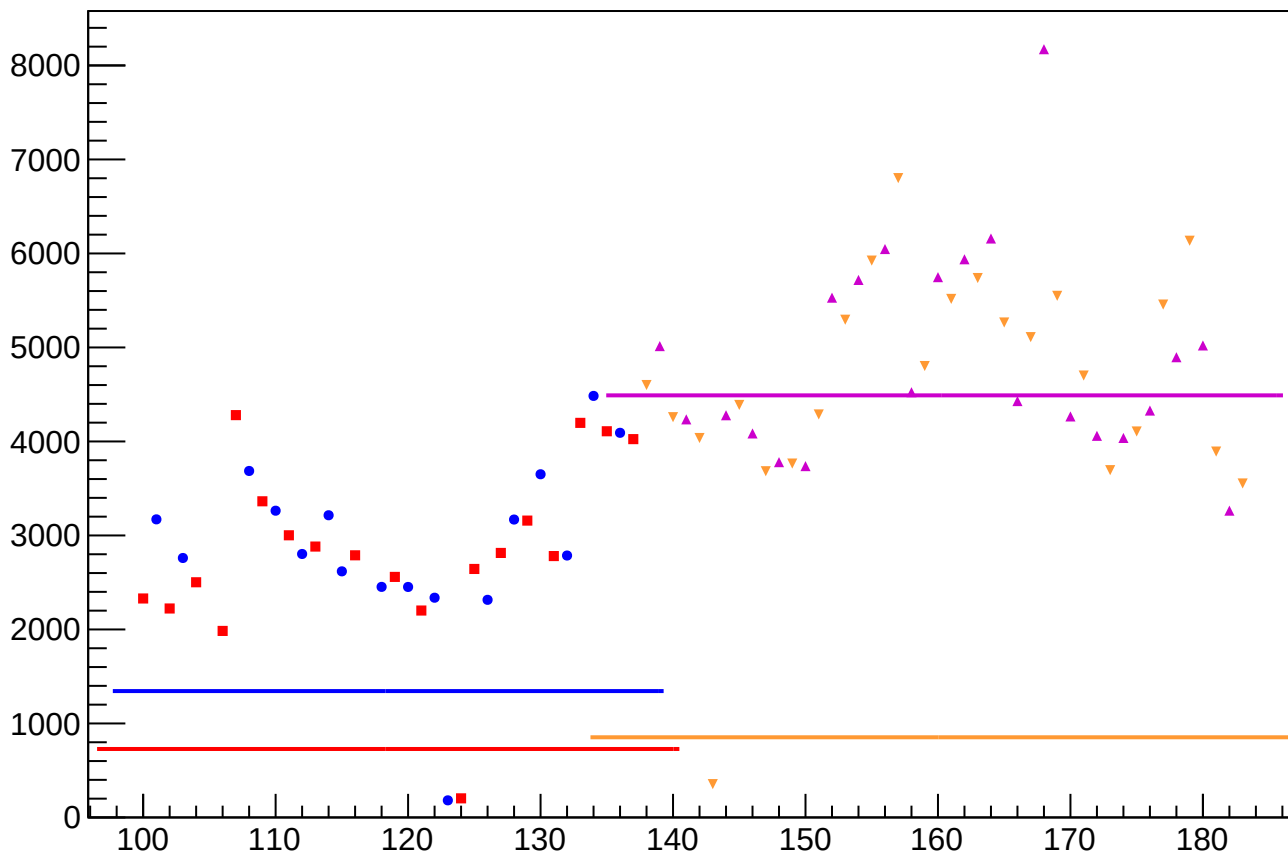
Left In: 41.390 ± 1107.020 χ^2/NDF : 14.3/21

+ sign 490.674 ± 341.138 χ^2/NDF : 45.8/40

All: 113.952 ± 271.130 χ^2/NDF : 83.7/81

- sign -532.131 ± 446.749 χ^2/NDF : 34.6/40

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1344.476+/-0.533 χ^2/NDF : 6835525.9/16

Left Out: 852.832+/-0.271 χ^2/NDF : 26055046.3/23

Right Out: 728.423+/-0.345 χ^2/NDF : 9480438.9/18

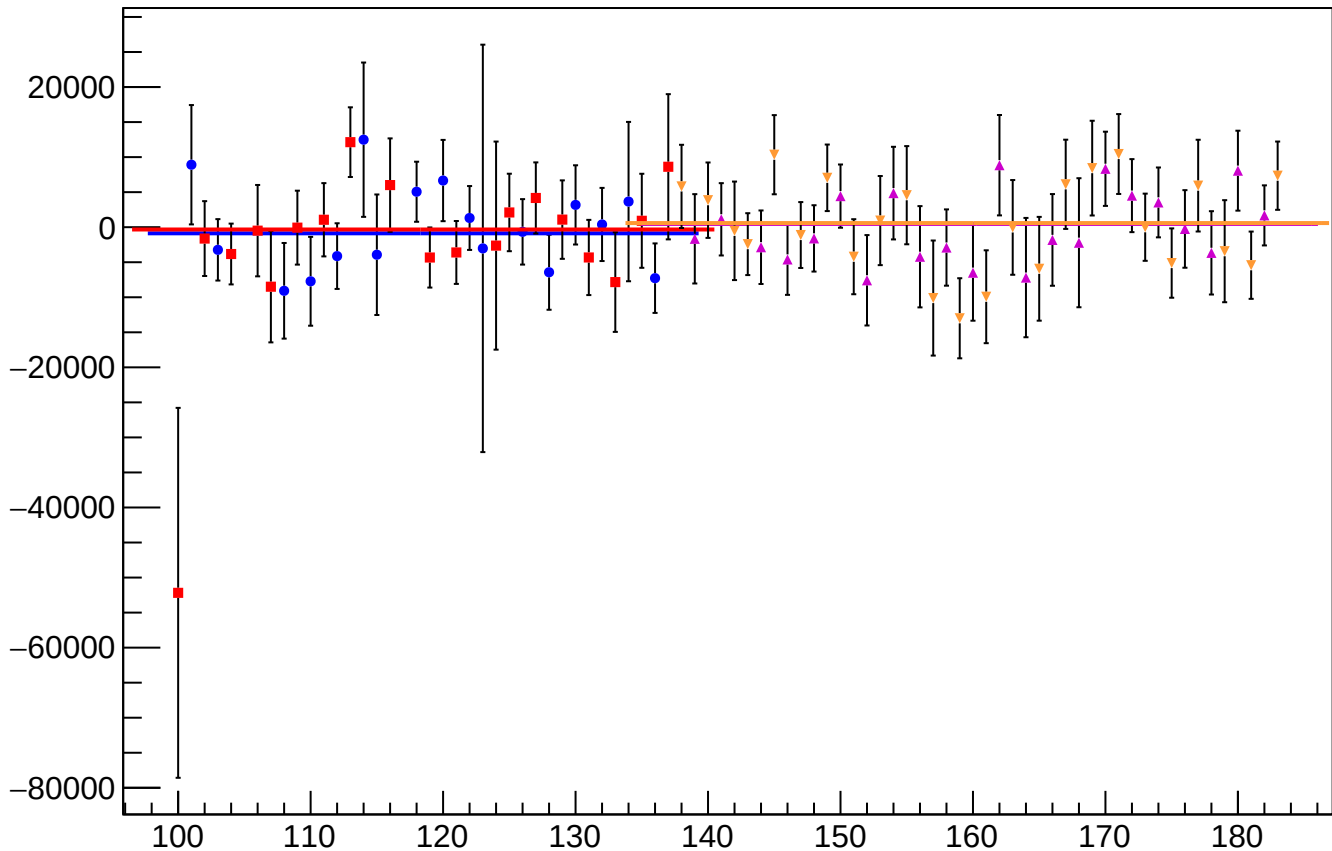
Left In: 4490.331+/-0.783 χ^2/NDF : 1281159.6/21

+ sign 953.652+/-0.241 χ^2/NDF : 33567743.4/40

All: 1096.354+/-0.192 χ^2/NDF : 64614036.7/8

- sign 1341.089+/-0.316 χ^2/NDF : 30096127.3/40

asym_atr1l2_dd_mean vs Slug



Right In: -874.074 ± 1400.106 χ^2/NDF : 13.6/16

Left Out: 589.380 ± 1167.883 χ^2/NDF : 29.3/23

Right Out: -328.412 ± 1333.346 χ^2/NDF : 17.8/18

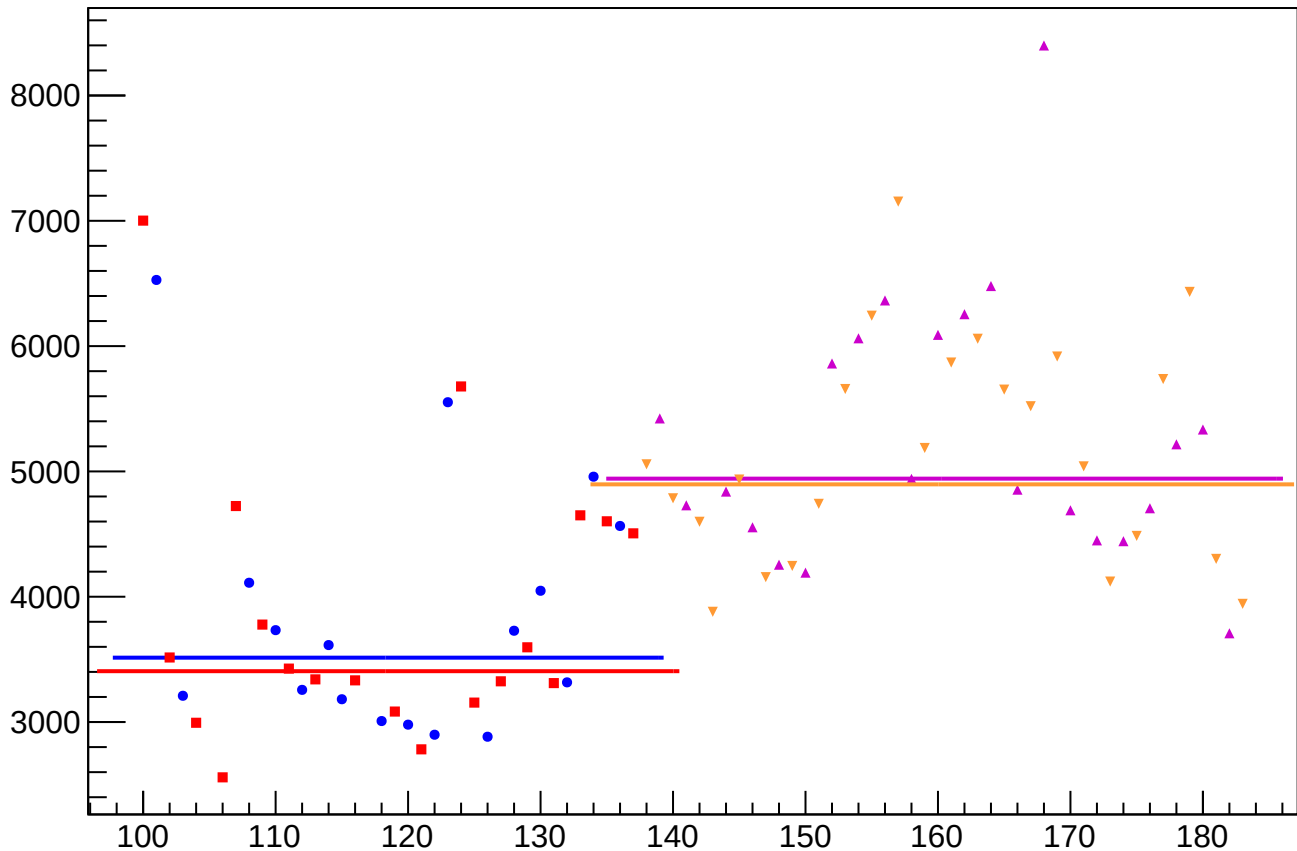
Left In: 461.654 ± 1212.864 χ^2/NDF : 14.3/21

+ sign -11.080 ± 896.837 χ^2/NDF : 43.5/40

All: 46.397 ± 634.288 χ^2/NDF : 75.8/81

- sign 103.922 ± 897.202 χ^2/NDF : 32.3/40

asym_atr1l2_dd_rms vs Slug



Right In: 3513.685 $\pm$ 0.990 χ^2 /NDF: 560775.0/16

Left Out: 4896.768 $\pm$ 0.826 χ^2 /NDF: 944333.0/23

Right Out: 3405.768 $\pm$ 0.931 χ^2 /NDF: 428480.7/18

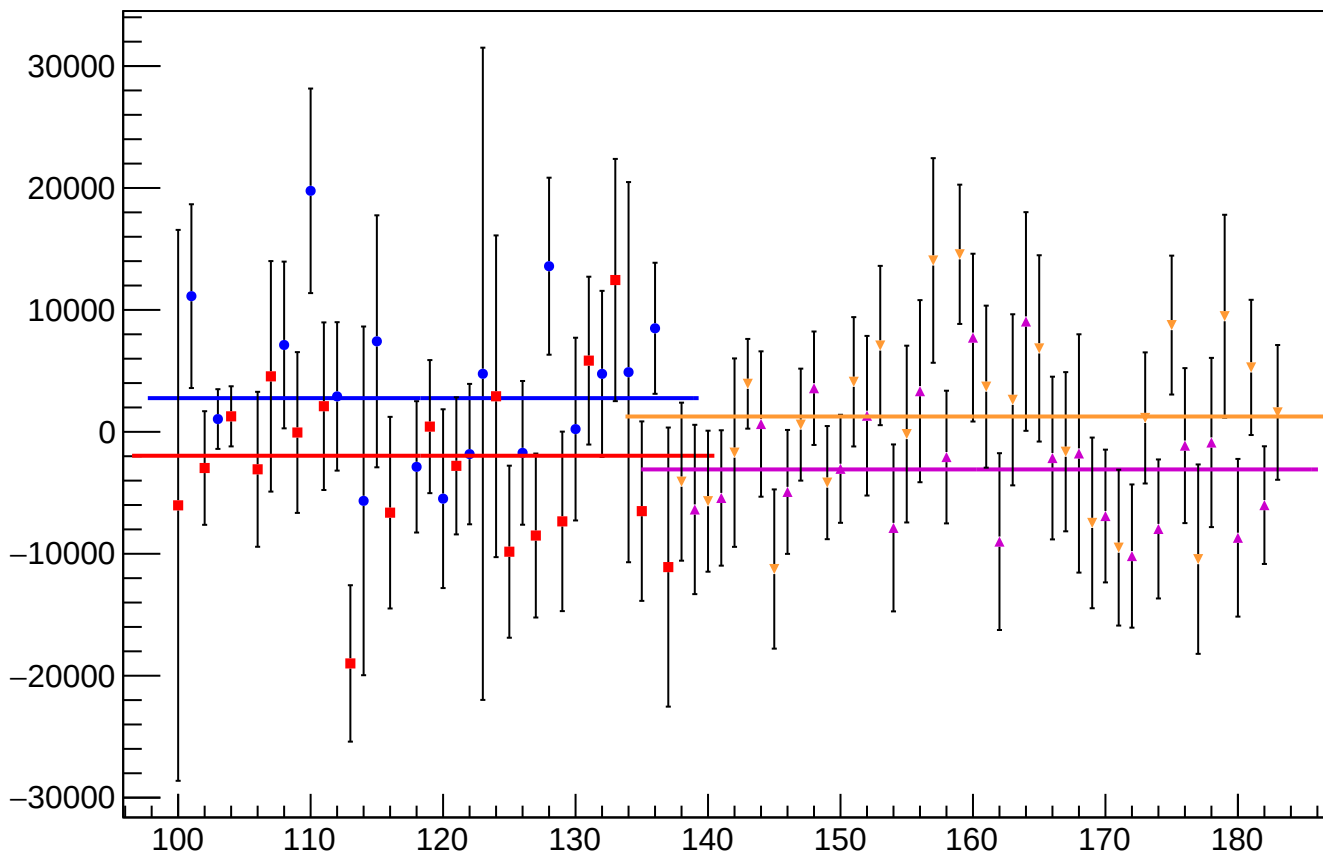
Left In: 4942.332 $\pm$ 0.858 χ^2 /NDF: 996474.2/21

+ sign 4329.281 $\pm$ 0.634 χ^2 /NDF: 2656004.8/40

All: 4282.687 $\pm$ 0.447 χ^2 /NDF: 5566010.8/81

- sign 4236.610 $\pm$ 0.631 χ^2 /NDF: 2899269.3/40

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2764.928 $\pm$ 1455.950 χ^2 /NDF: 13.9/16

Left Out: 1258.540 $\pm$ 1217.376 χ^2 /NDF: 27.5/23

Right Out: -1959.806 $\pm$ 1383.928 χ^2 /NDF: 17.6/18

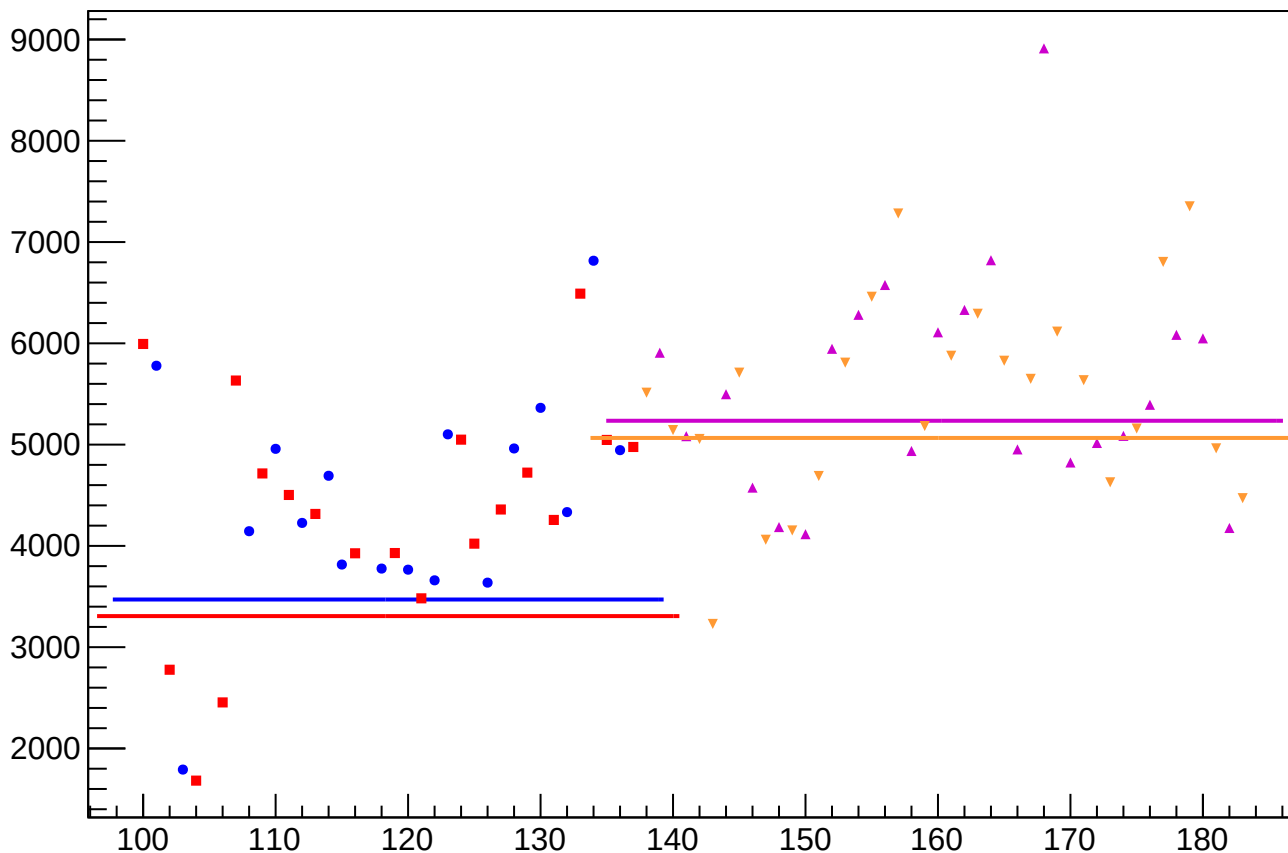
Left In: -3081.714 $\pm$ 1285.702 χ^2 /NDF: 13.7/21

+ sign 1878.363 $\pm$ 933.924 χ^2 /NDF: 42.1/40

All: -322.833 $\pm$ 663.201 χ^2 /NDF: 85.0/81

- sign -2561.984 $\pm$ 941.942 χ^2 /NDF: 31.7/40

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.650+/-1.029 χ^2/NDF : 1765892.2/16

Left Out: 5065.890+/-0.861 χ^2/NDF : 1427941.7/23

Right Out: 3306.828+/-0.970 χ^2/NDF : 1911650.7/18

Left In: 5235.485+/-0.909 χ^2/NDF : 1029720.5/21

+ sign 4409.489+/-0.660 χ^2/NDF : 4606944.1/40

All: 4371.500+/-0.468 χ^2/NDF : 9660464.2/83

- sign 4333.185+/-0.663 χ^2/NDF : 5046873.2/40

asym_atl_avg_atr_avg_avg_correction_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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

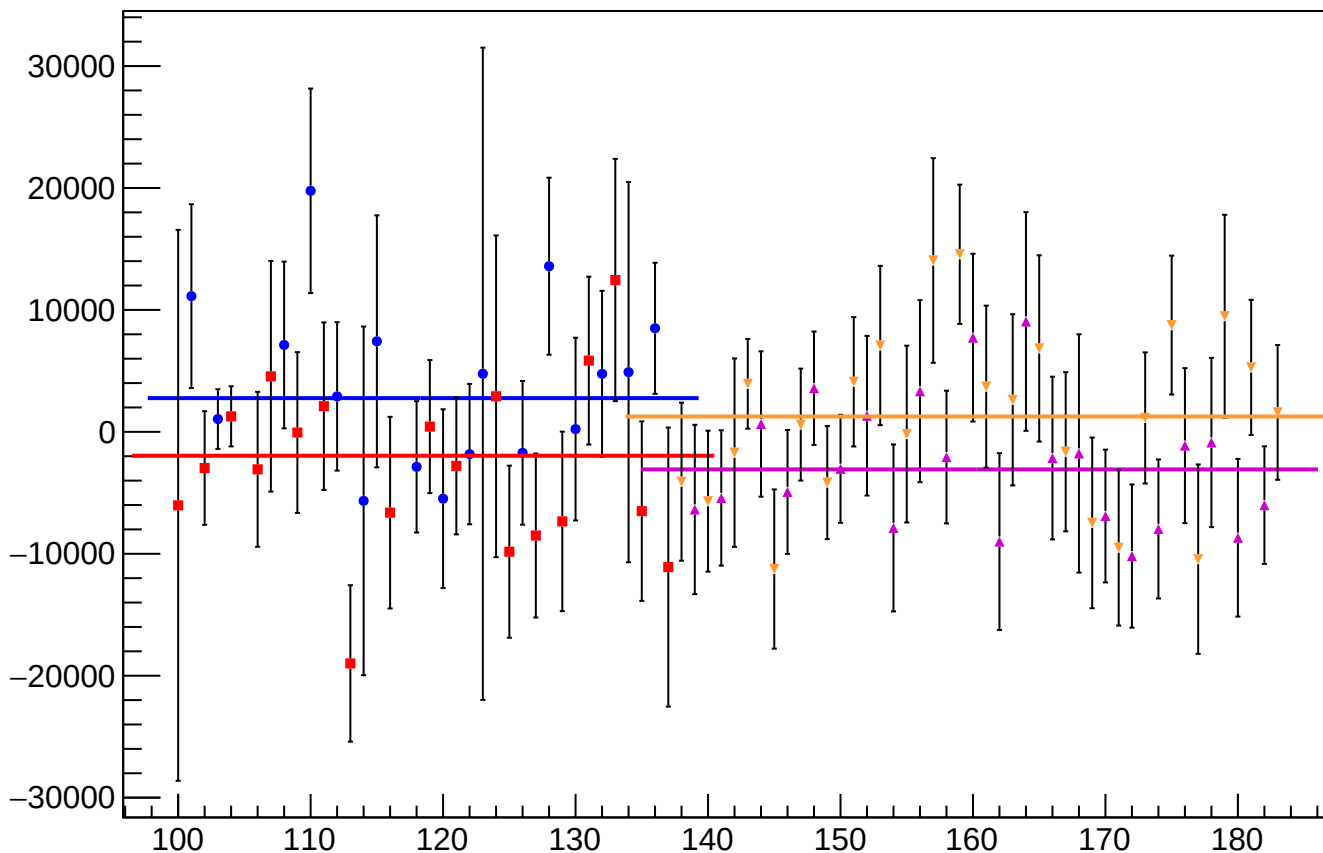
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2764.928 ± 1455.950 χ^2/NDF : 13.9/16

Left Out: 1258.540 ± 1217.376 χ^2/NDF : 27.5/23

Right Out: -1959.806 ± 1383.928 χ^2/NDF : 17.6/18

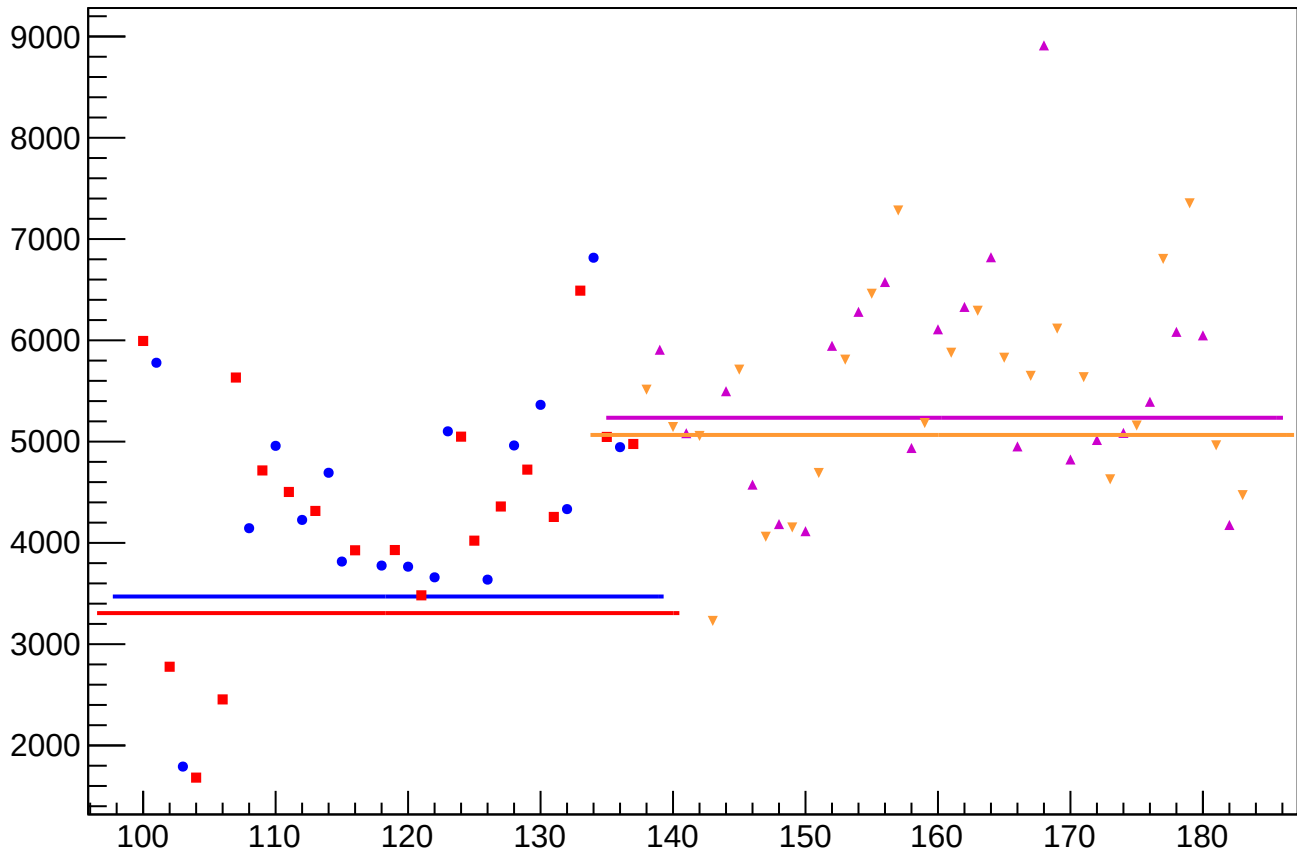
Left In: -3081.714 ± 1285.702 χ^2/NDF : 13.7/21

+ sign 1878.363 ± 933.924 χ^2/NDF : 42.1/40

All: -322.833 ± 663.201 χ^2/NDF : 85.0/81

- sign -2561.984 ± 941.942 χ^2/NDF : 31.7/40

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.650+/-1.029 χ^2/NDF : 1765892.2/16

Left Out: 5065.890+/-0.861 χ^2/NDF : 1427941.7/23

Right Out: 3306.828+/-0.970 χ^2/NDF : 1911650.7/18

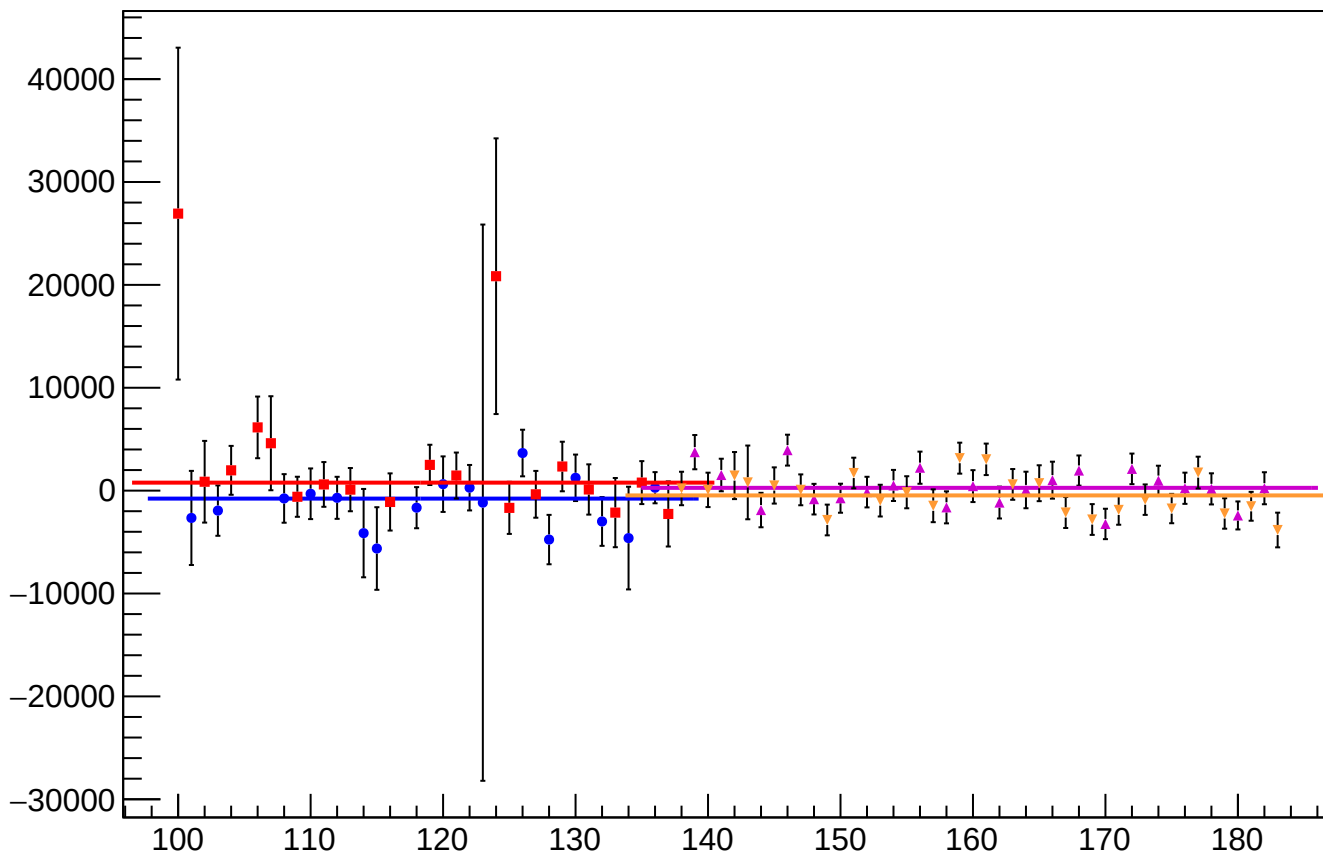
Left In: 5235.485+/-0.909 χ^2/NDF : 1029720.5/21

+ sign 4409.489+/-0.660 χ^2/NDF : 4606944.1/40

All: 4371.500+/-0.468 χ^2/NDF : 9660464.2/83

- sign 4333.185+/-0.663 χ^2/NDF : 5046873.2/40

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -774.709+/-605.594 χ^2/NDF : 12.5/16

Left Out: -465.022+/-322.849 χ^2/NDF : 32.3/23

Right Out: 776.735+/-596.676 χ^2/NDF : 14.3/18

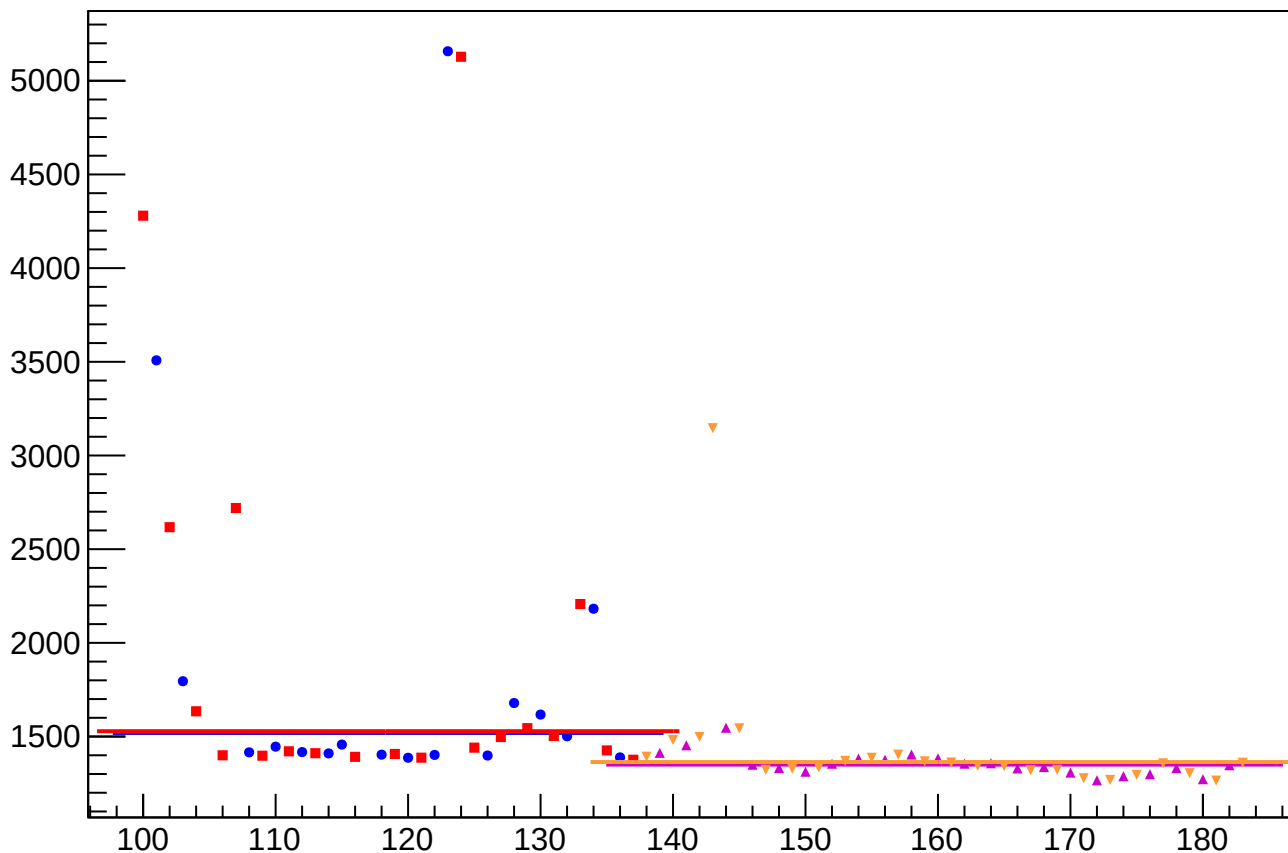
Left In: 270.490+/-326.869 χ^2/NDF : 30.5/21

+ sign -533.558+/-284.893 χ^2/NDF : 45.1/40

All: -75.971+/-202.076 χ^2/NDF : 95.6/81

- sign 387.346+/-286.671 χ^2/NDF : 45.4/40

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1519.171 $\pm$ 0.428 χ^2 /NDF: 537680.2/16

Left Out: 1363.945 $\pm$ 0.228 χ^2 /NDF: 575028.4/23

Right Out: 1528.435 $\pm$ 0.422 χ^2 /NDF: 631166.4/18

Left In: 1350.378 $\pm$ 0.231 χ^2 /NDF: 66798.2/21

+ sign 1398.298 $\pm$ 0.201 χ^2 /NDF: 1215029.4/40

All: 1394.910 $\pm$ 0.143 χ^2 /NDF: 2050556.6/83

- sign 1391.479 $\pm$ 0.203 χ^2 /NDF: 834957.9/40

asym_atl_avg_atr_avg_dd_correction_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

asym_atl_avg_atr_avg_dd_correction_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

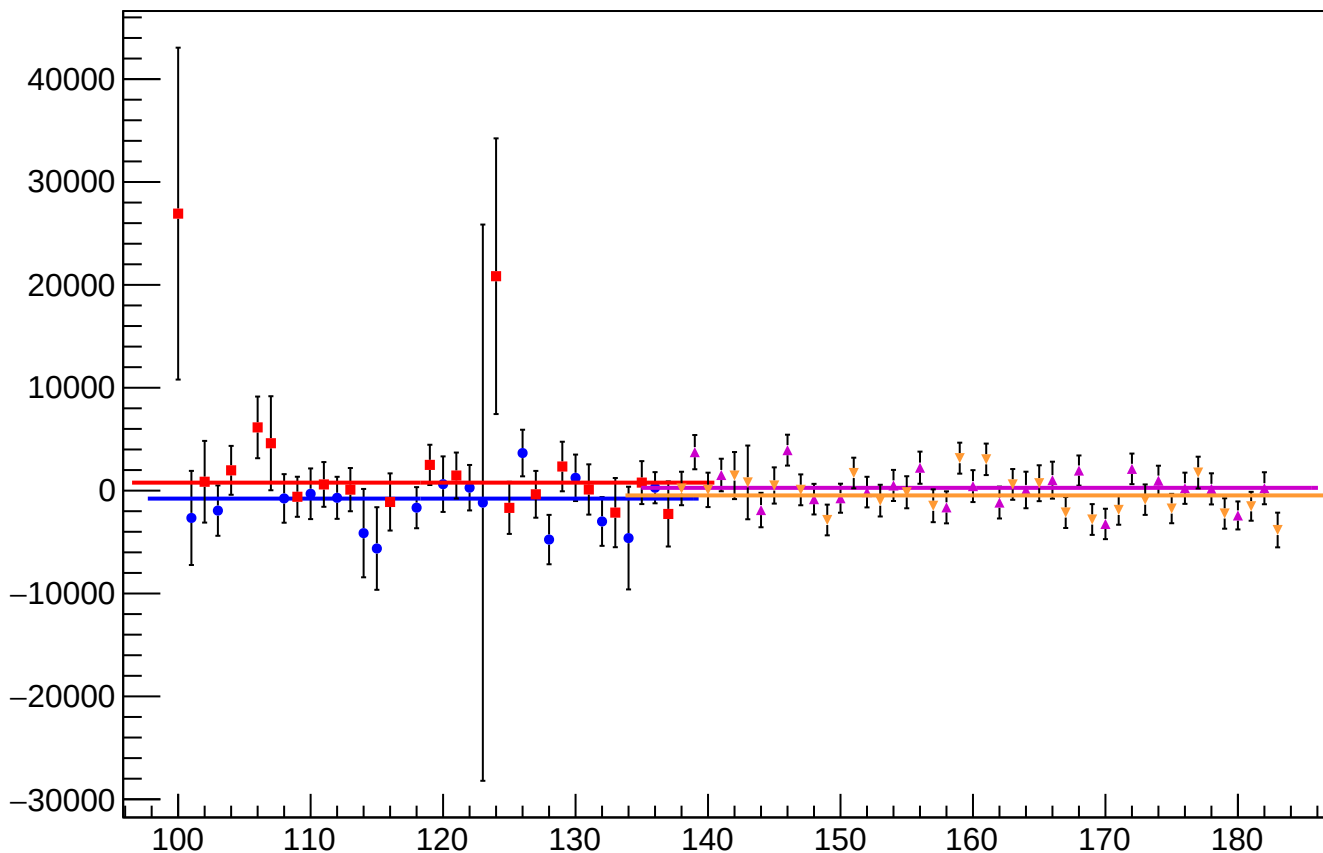
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -774.709+/-605.594 χ^2/NDF : 12.5/16

Left Out: -465.022+/-322.849 χ^2/NDF : 32.3/23

Right Out: 776.735+/-596.676 χ^2/NDF : 14.3/18

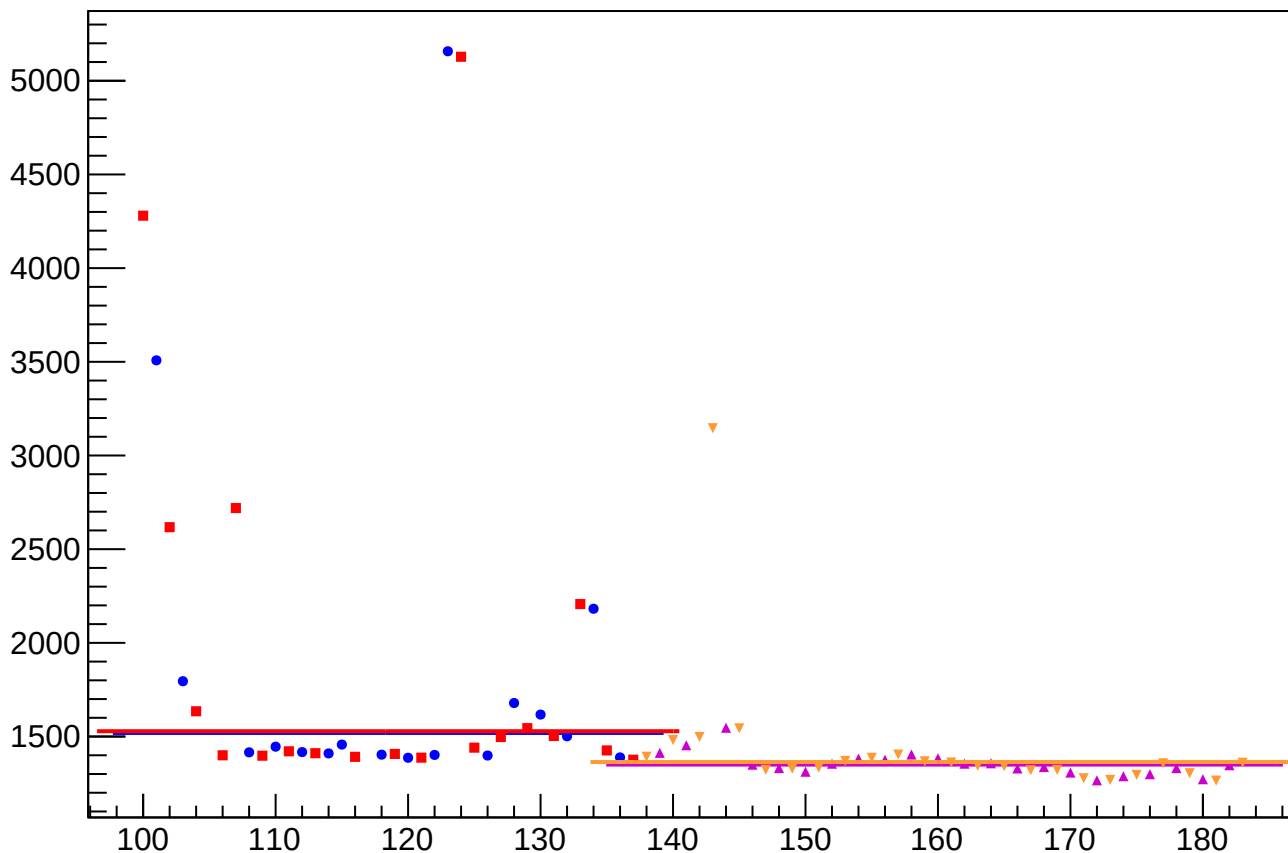
Left In: 270.490+/-326.869 χ^2/NDF : 30.5/21

+ sign -533.558+/-284.893 χ^2/NDF : 45.1/40

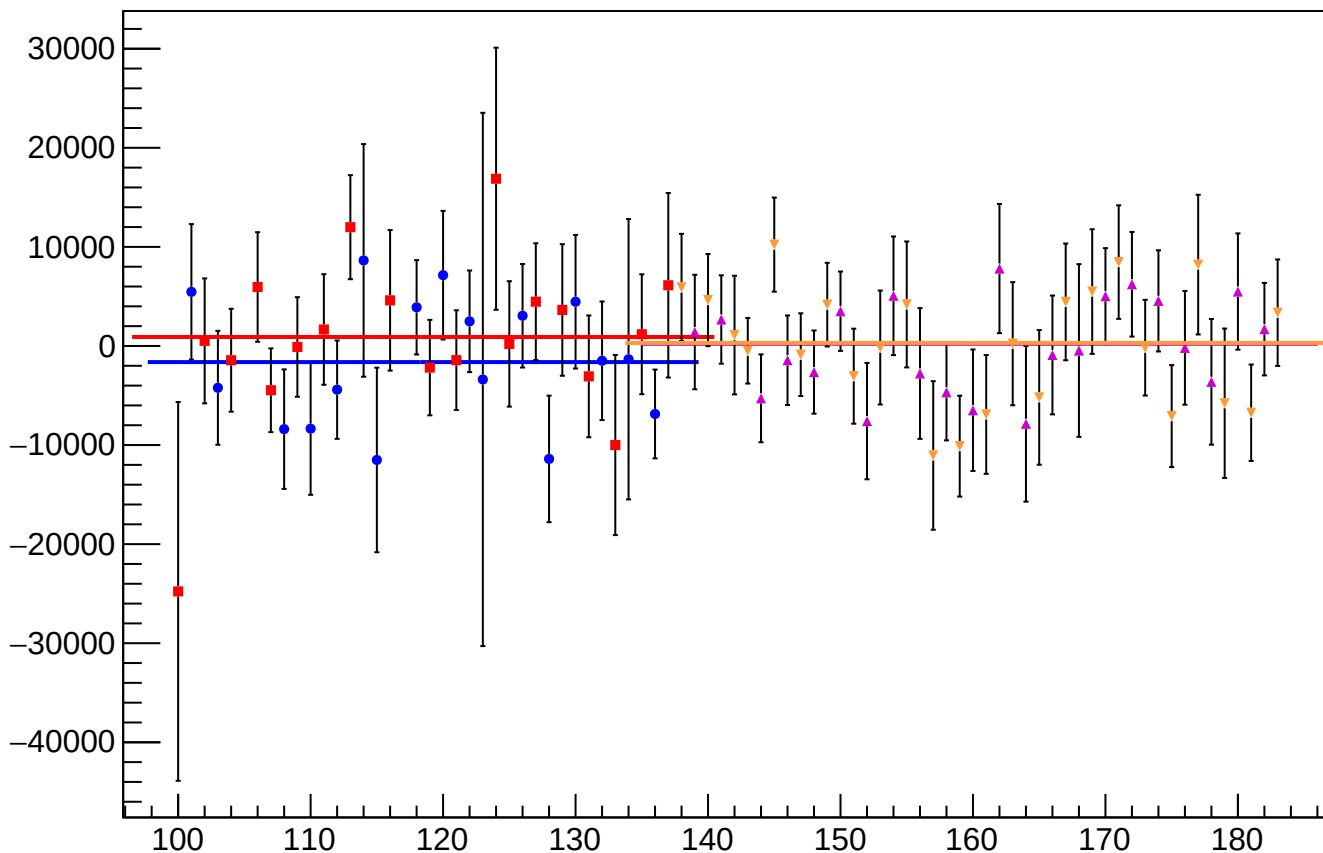
All: -75.971+/-202.076 χ^2/NDF : 95.6/81

- sign 387.346+/-286.671 χ^2/NDF : 45.4/40

asym_atl_avg_atr_avg_dd_rms vs Slug



reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1626.973+/-1517.678 χ^2/NDF : 14.9/16

Left Out: 307.506+/-1073.687 χ^2/NDF : 26.4/23

Right Out: 908.006+/-1381.849 χ^2/NDF : 14.1/18

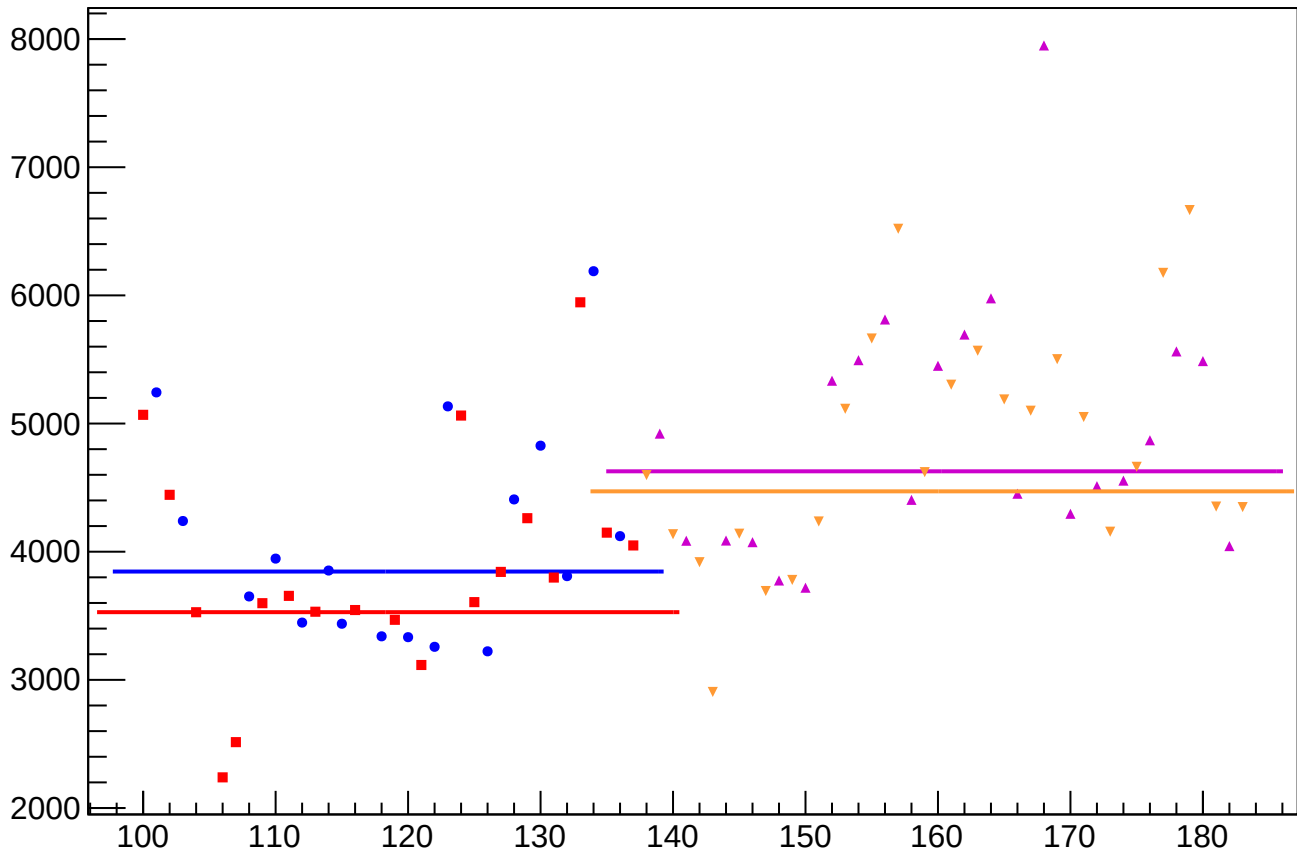
Left In: 221.972+/-1135.417 χ^2/NDF : 14.7/21

+ sign -337.742+/-876.519 χ^2/NDF : 42.3/40

All: 80.006+/-620.056 χ^2/NDF : 71.7/81

- sign 498.466+/-877.265 χ^2/NDF : 28.9/40

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3845.187 $\pm$ 1.073 χ^2 /NDF: 326944.8/16

Left Out: 4470.942 $\pm$ 0.759 χ^2 /NDF:1379927.2/23

Right Out: 3528.231 $\pm$ 0.968 χ^2 /NDF: 556307.5/18

Left In: 4627.265 $\pm$ 0.803 χ^2 /NDF:992212.6/21

+ sign 4262.213 $\pm$ 0.620 χ^2 /NDF: 1933473.4/40

All: 4220.719 $\pm$ 0.438 χ^2 /NDF: 4254449.3/83

- sign 4179.461 $\pm$ 0.618 χ^2 /NDF: 2312037.0/40

asym_atl_dd_atr_dd_avg_correction_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

asym_atl_dd_atr_dd_avg_correction_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

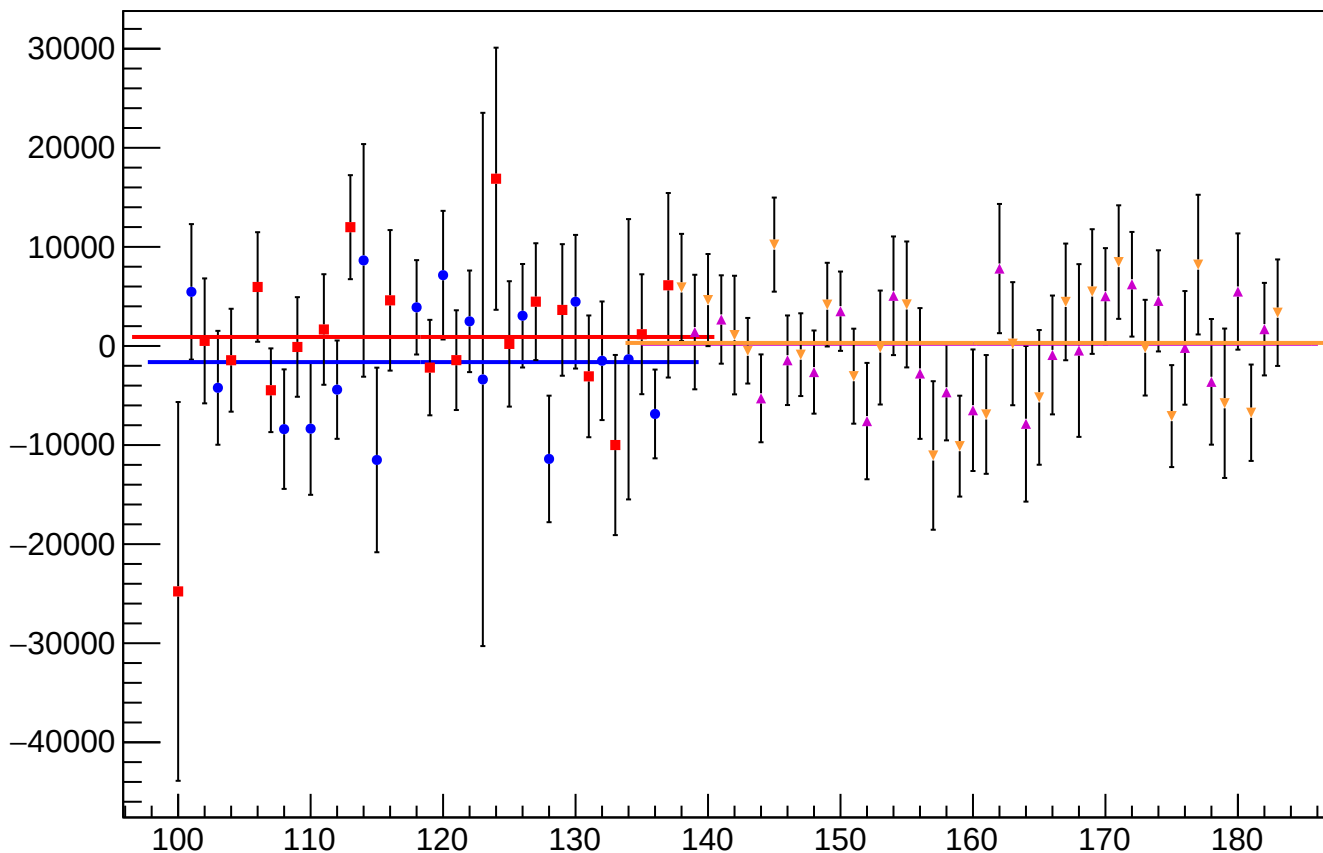
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1626.973 ± 1517.678 χ^2/NDF : 14.9/16

Left Out: 307.506 ± 1073.687 χ^2/NDF : 26.4/23

Right Out: 908.006 ± 1381.849 χ^2/NDF : 14.1/18

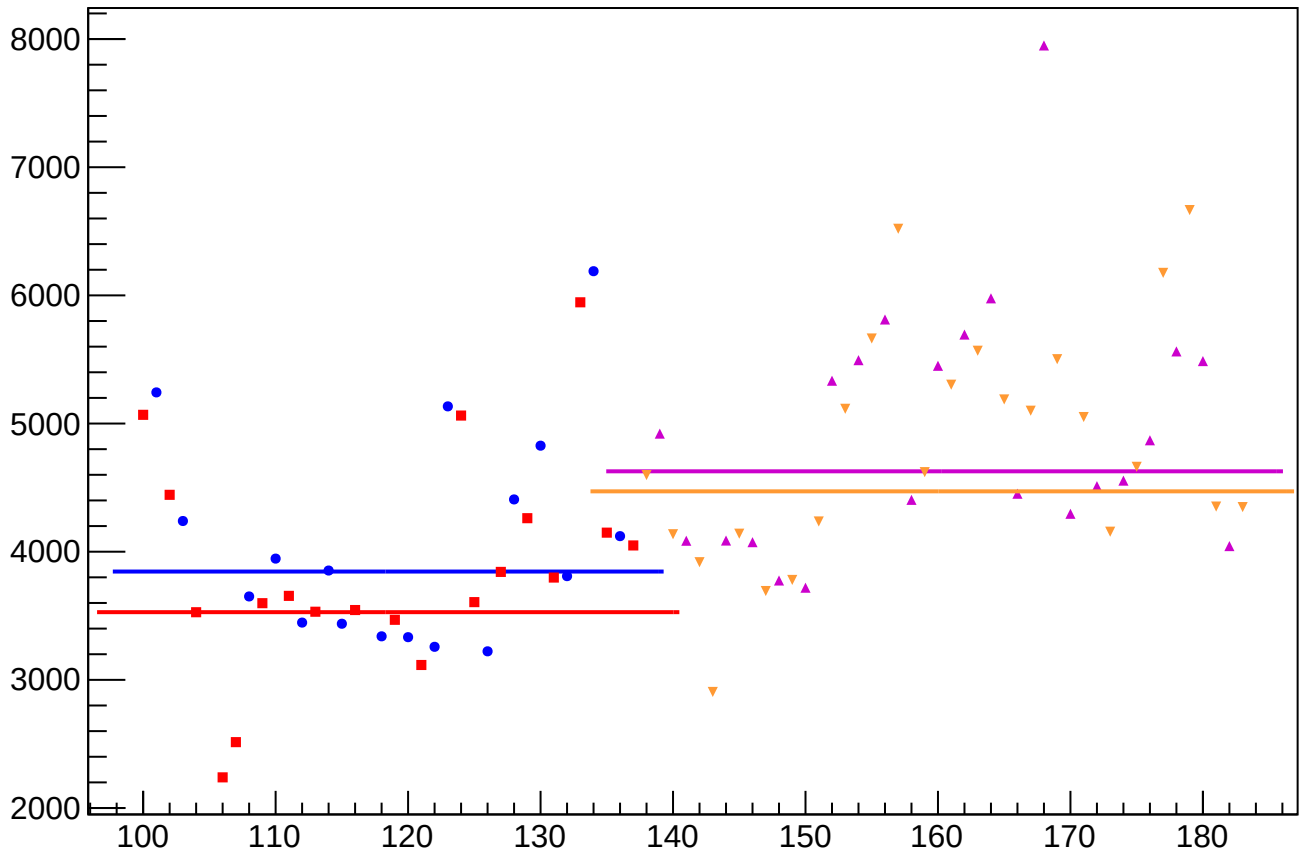
Left In: 221.972 ± 1135.417 χ^2/NDF : 14.7/21

+ sign -337.742 ± 876.519 χ^2/NDF : 42.3/40

All: 80.006 ± 620.056 χ^2/NDF : 71.7/81

- sign 498.466 ± 877.265 χ^2/NDF : 28.9/40

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3845.187 ± 1.073 χ^2/NDF : 326944.8/16

Left Out: 4470.942 ± 0.759 χ^2/NDF : 1379927.2/23

Right Out: 3528.231 ± 0.968 χ^2/NDF : 556307.5/18

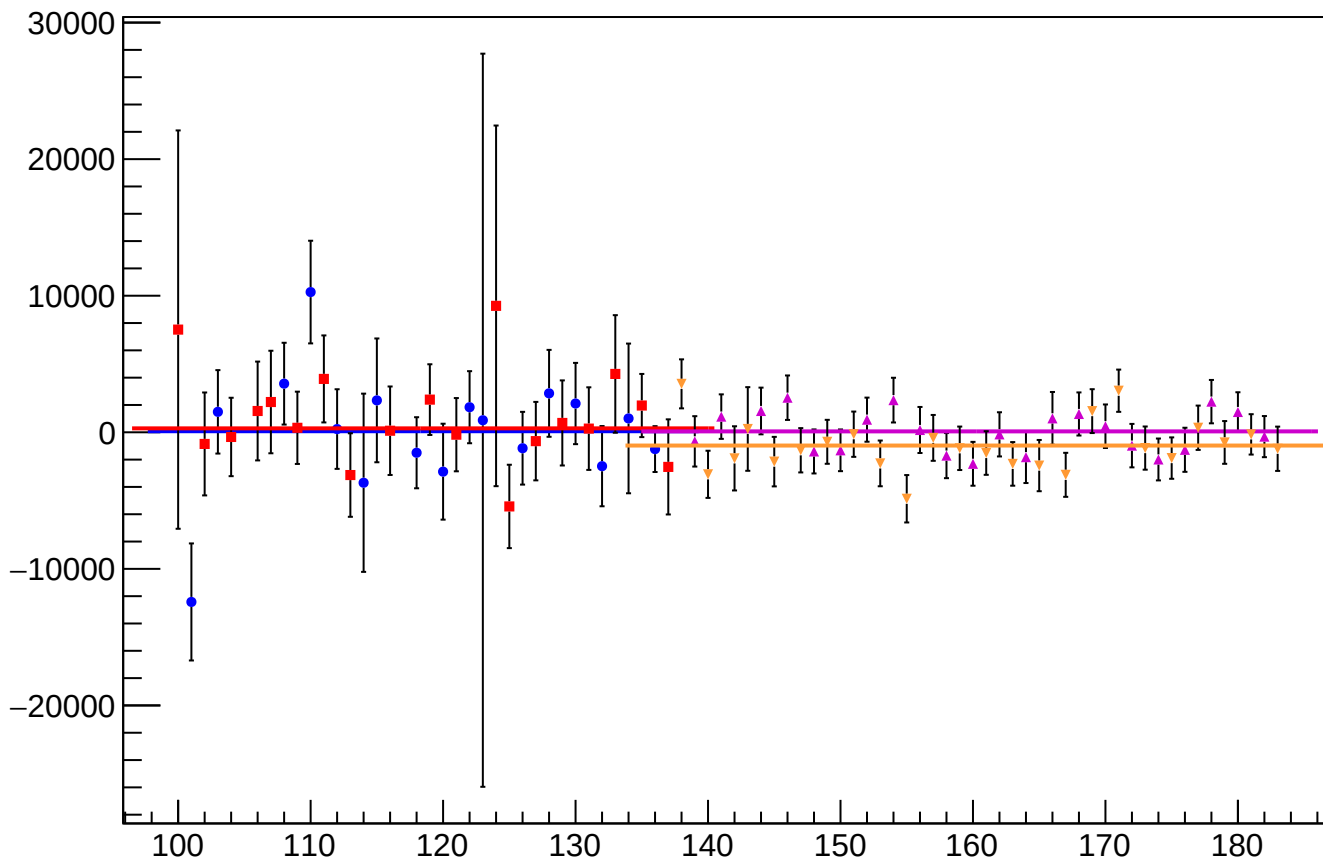
Left In: 4627.265 ± 0.803 χ^2/NDF : 992212.6/21

+ sign 4262.213 ± 0.620 χ^2/NDF : 1933473.4/40

All: 4220.719 ± 0.438 χ^2/NDF : 4254449.3/83

- sign 4179.461 ± 0.618 χ^2/NDF : 2312037.0/40

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 78.213+/-752.844 χ^2/NDF : 22.4/16

Left Out: -970.473+/-342.445 χ^2/NDF : 28.5/23

Right Out: 287.747+/-736.056 χ^2/NDF : 10.1/18

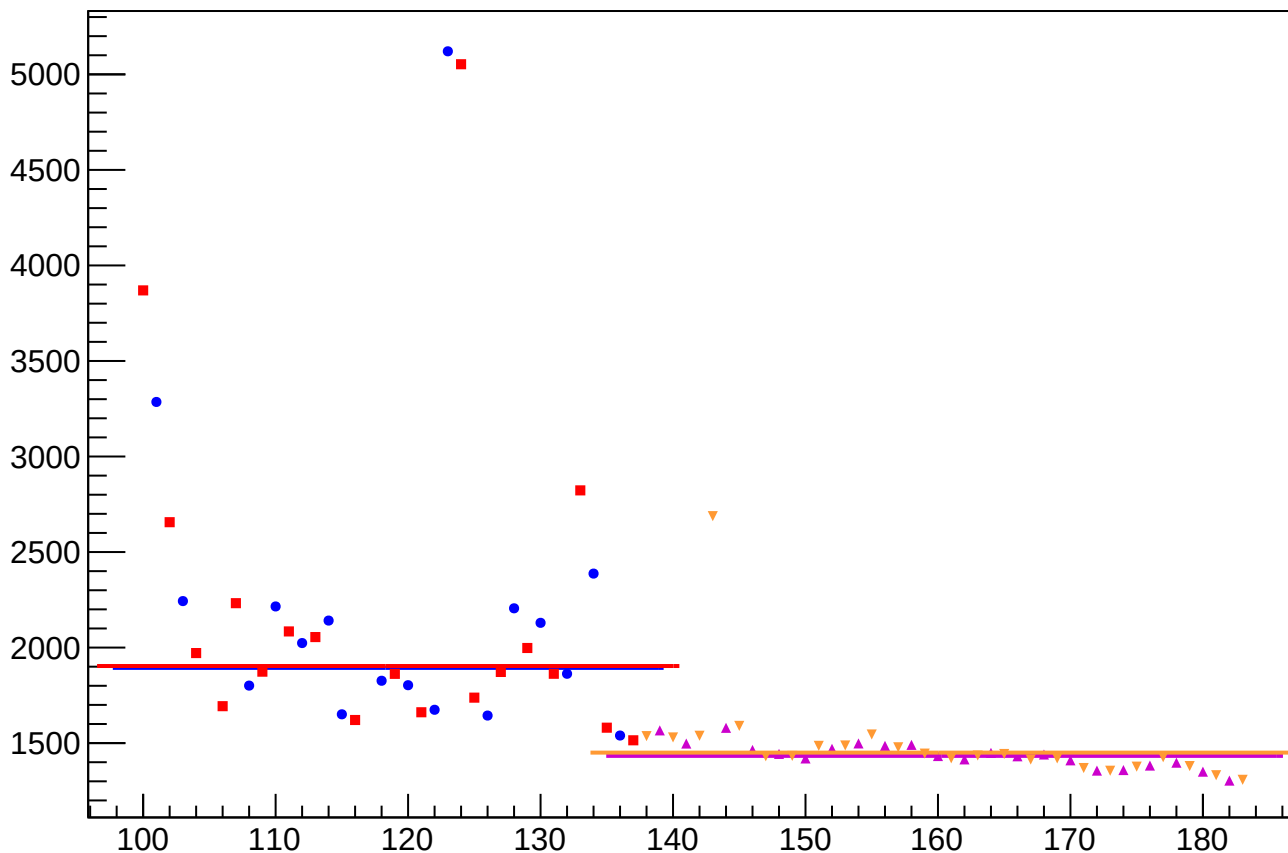
Left In: 66.529+/-346.847 χ^2/NDF : 18.7/21

+ sign -790.692+/-311.712 χ^2/NDF : 52.4/40

All: -344.917+/-221.133 χ^2/NDF : 85.5/81

- sign 106.725+/-313.757 χ^2/NDF : 28.9/40

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1893.797 $\pm$ 0.532 χ^2 /NDF: 466447.3/16

Left Out: 1450.282 $\pm$ 0.242 χ^2 /NDF: 411854.2/23

Right Out: 1903.476 $\pm$ 0.520 χ^2 /NDF: 460230.4/18

Left In: 1433.177 $\pm$ 0.245 χ^2 /NDF: 72434.2/21

+ sign 1526.317 $\pm$ 0.220 χ^2 /NDF: 1453433.2/40

All: 1522.501 $\pm$ 0.156 χ^2 /NDF: 2654855.8/83

- sign 1518.634 $\pm$ 0.222 χ^2 /NDF: 1200819.2/40

asym_atl_dd_atr_dd_dd_correction_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

asym_atl_dd_atr_dd_dd_correction_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

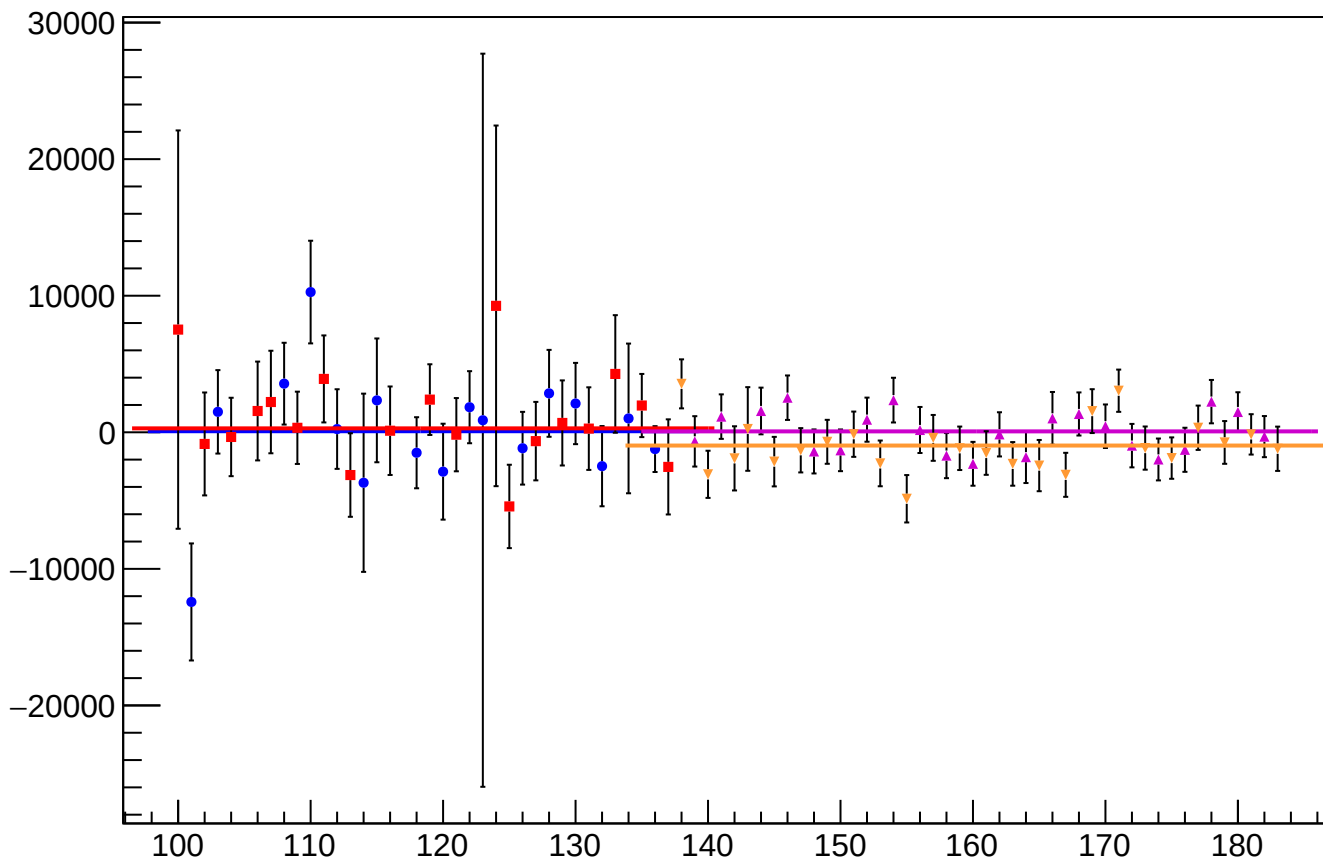
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 78.213+/-752.844 χ^2/NDF : 22.4/16

Left Out: -970.473+/-342.445 χ^2/NDF : 28.5/23

Right Out: 287.747+/-736.056 χ^2/NDF : 10.1/18

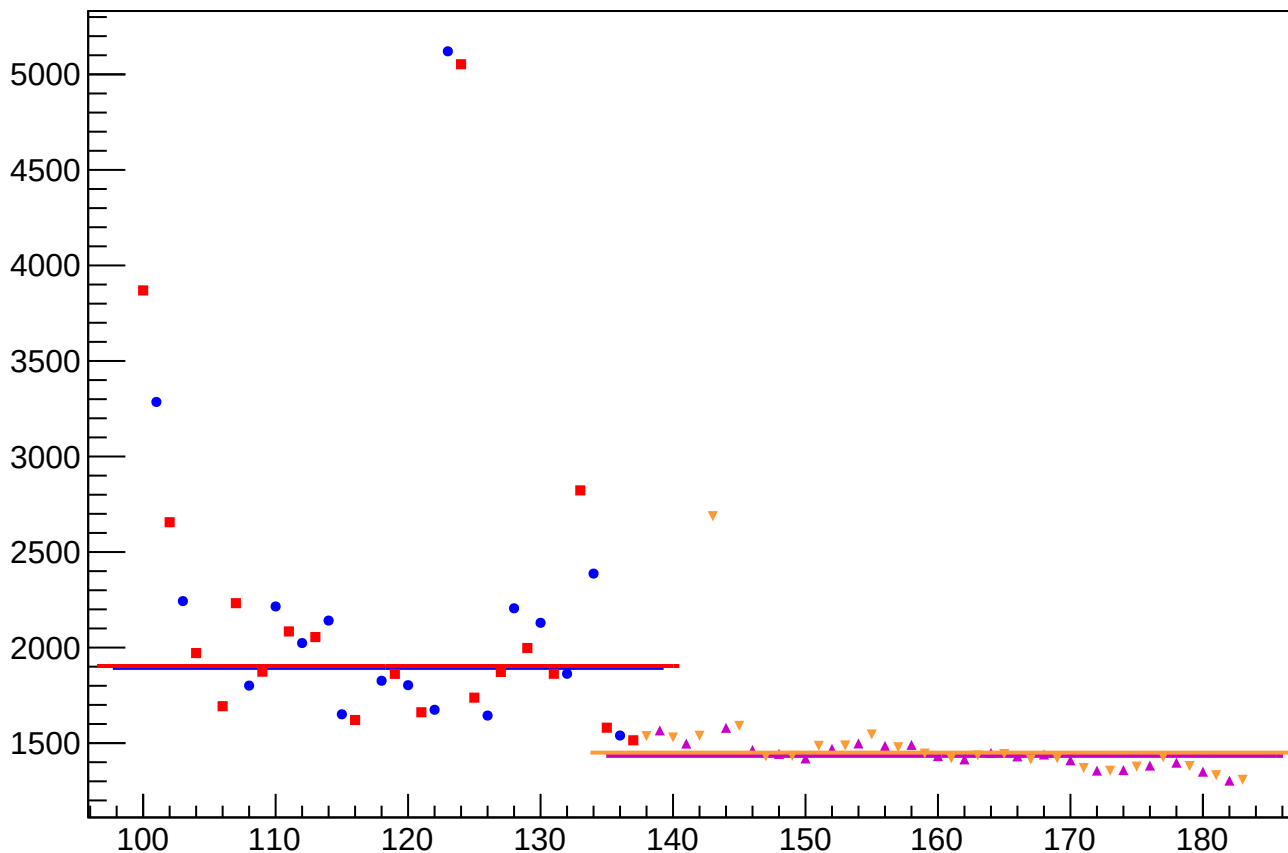
Left In: 66.529+/-346.847 χ^2/NDF : 18.7/21

+ sign -790.692+/-311.712 χ^2/NDF : 52.4/40

All: -344.917+/-221.133 χ^2/NDF : 85.5/81

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asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1893.797 $\pm$ 0.532 χ^2 /NDF: 466447.3/16

Left Out: 1450.282 $\pm$ 0.242 χ^2 /NDF: 411854.2/23

Right Out: 1903.476 $\pm$ 0.520 χ^2 /NDF: 460230.4/18

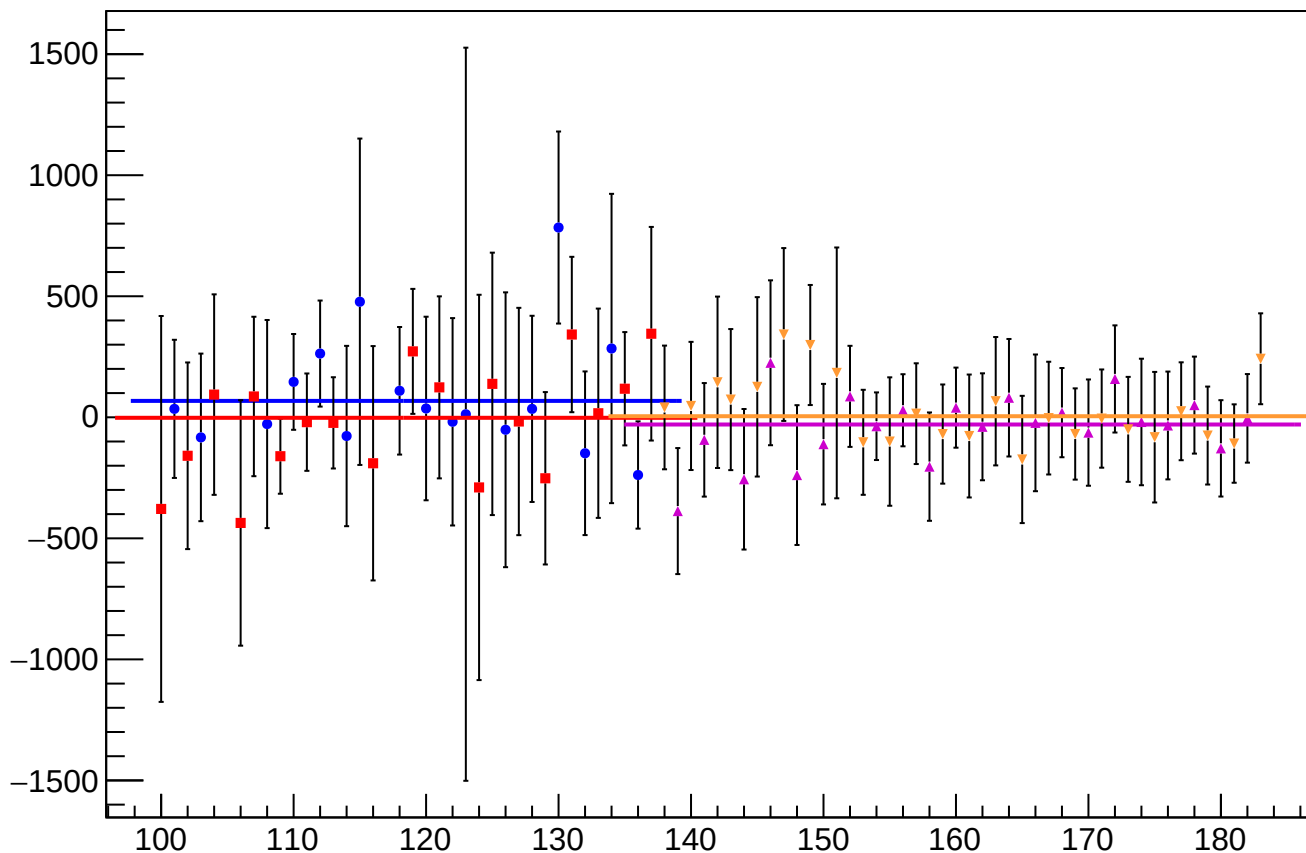
Left In: 1433.177 $\pm$ 0.245 χ^2 /NDF: 72434.2/21

+ sign 1526.317 $\pm$ 0.220 χ^2 /NDF: 1453433.2/40

All: 1522.501 $\pm$ 0.156 χ^2 /NDF: 2654855.8/81

- sign 1518.634 $\pm$ 0.222 χ^2 /NDF: 1200819.2/40

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.747 $\pm$ 79.837 χ^2 /NDF: 7.5/16

Left Out: 4.432 $\pm$ 48.091 χ^2 /NDF: 6.5/23

Right Out: -2.060 $\pm$ 70.020 χ^2 /NDF: 6.4/18

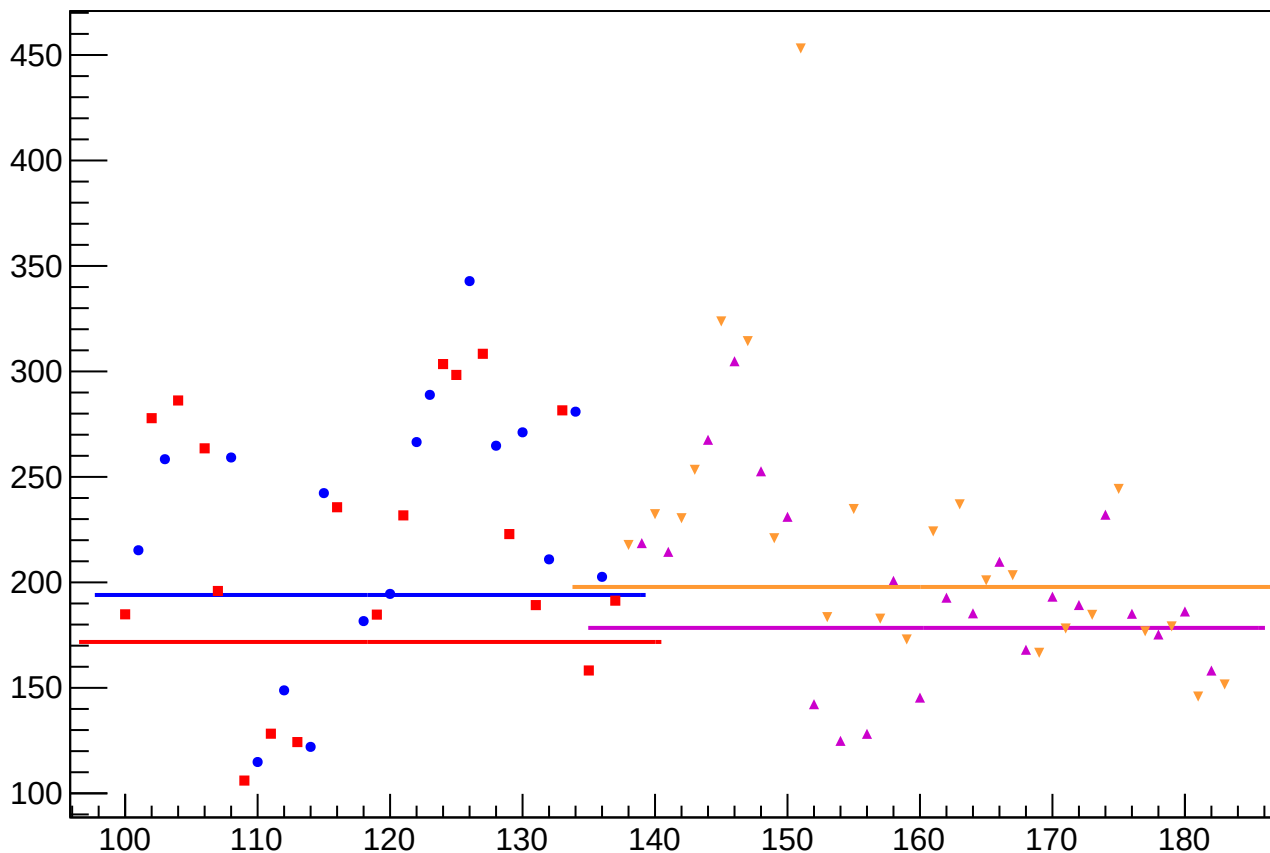
Left In: -29.776 $\pm$ 45.043 χ^2 /NDF: 6.5/21

+ sign 21.290 $\pm$ 41.195 χ^2 /NDF: 14.5/40

All: -1.984 $\pm$ 27.884 χ^2 /NDF: 28.1/81

- sign -21.664 $\pm$ 37.882 χ^2 /NDF: 13.0/40

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.032 $\pm$ 0.056 χ^2 /NDF: 1011944.3/16

Left Out: 197.831 $\pm$ 0.034 χ^2 /NDF: 1742760.0/23

Right Out: 171.760 $\pm$ 0.050 χ^2 /NDF: 1571617.5/18

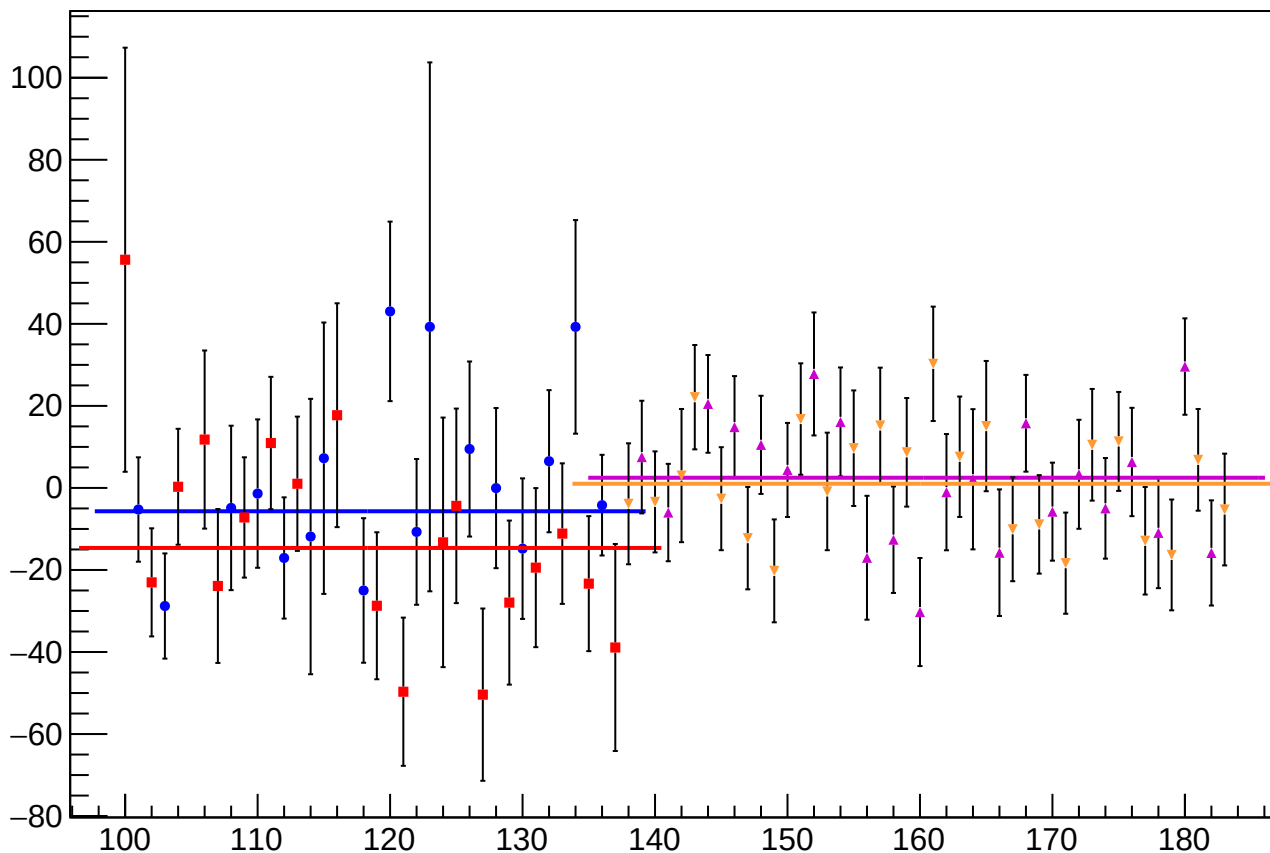
Left In: 178.426 $\pm$ 0.032 χ^2 /NDF: 1631187.0/21

+ sign 196.820 $\pm$ 0.029 χ^2 /NDF: 2758027.6/40

All: 185.797 $\pm$ 0.020 χ^2 /NDF: 6237963.8/81

- sign 176.475 $\pm$ 0.027 χ^2 /NDF: 3215622.8/40

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.687 ± 4.361 χ^2/NDF : 15.2/16

Left Out: 1.020 ± 2.719 χ^2/NDF : 23.9/23

Right Out: -14.630 ± 4.271 χ^2/NDF : 19.4/18

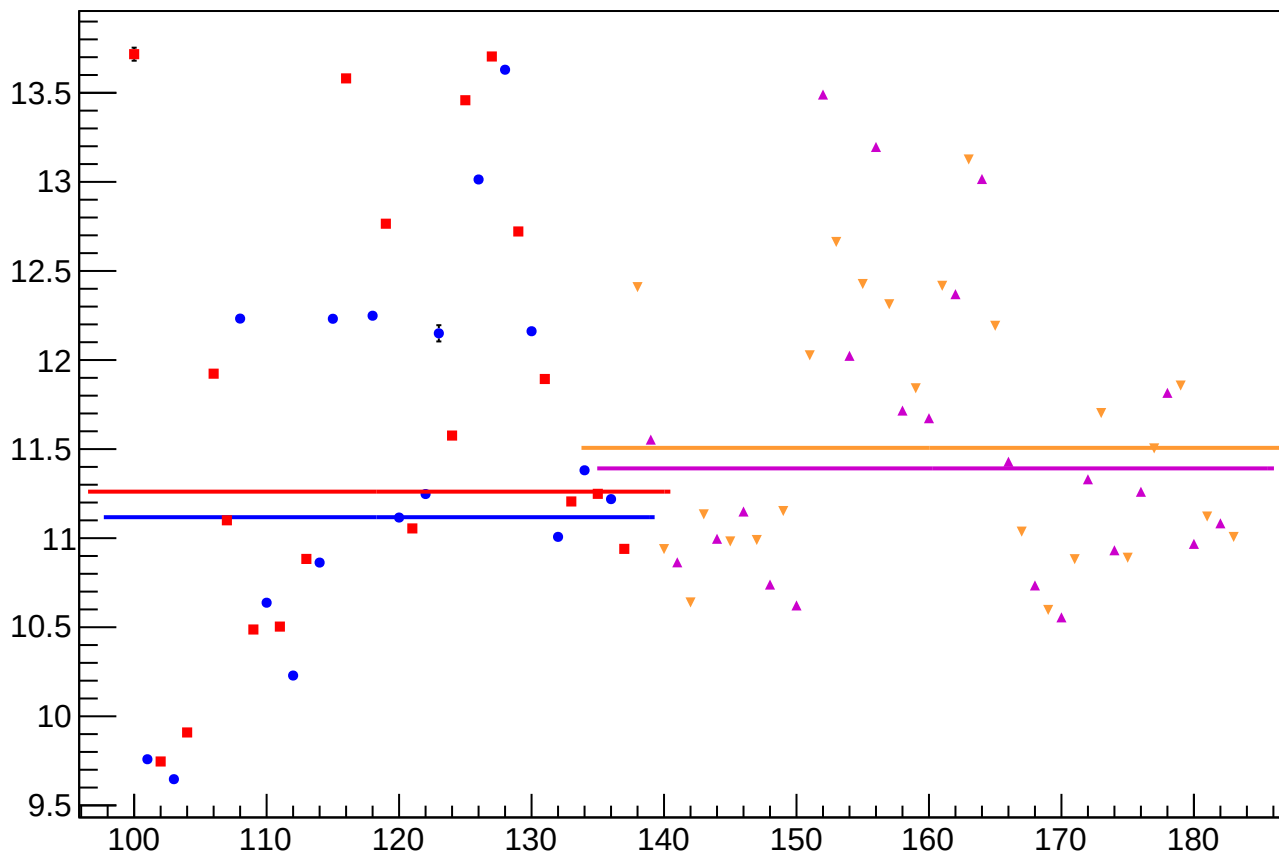
Left In: 2.484 ± 2.770 χ^2/NDF : 29.5/21

+ sign -0.857 ± 2.307 χ^2/NDF : 40.8/40

All: -1.713 ± 1.637 χ^2/NDF : 101.3/81

- sign -2.582 ± 2.324 χ^2/NDF : 60.2/40

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.118 $\pm$ 0.003 χ^2 /NDF: 131951.0/16

Left Out: 11.507 $\pm$ 0.002 χ^2 /NDF:127545.2/23

Right Out: 11.261 $\pm$ 0.003 χ^2 /NDF: 148698.3/18

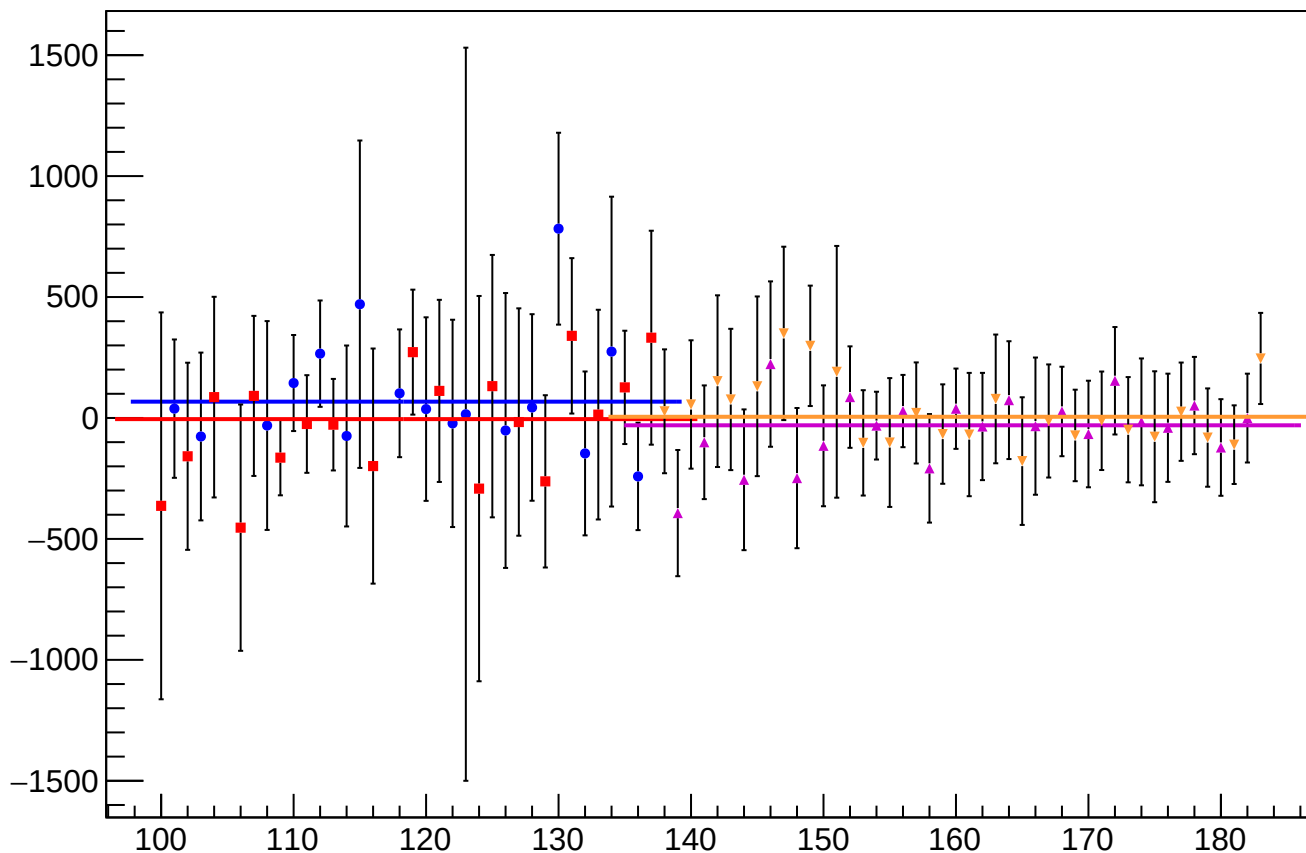
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:148956.5/21

+ sign 11.398 $\pm$ 0.002 χ^2 /NDF: 270968.2/40

All: 11.376 $\pm$ 0.001 χ^2 /NDF: 570315.0/81

- sign 11.353 $\pm$ 0.002 χ^2 /NDF: 298969.5/40

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.460 $\pm$ 80.048 χ^2 /NDF: 7.5/16

Left Out: 4.934 $\pm$ 48.270 χ^2 /NDF: 6.7/23

Right Out: -4.719 $\pm$ 70.224 χ^2 /NDF: 6.5/18

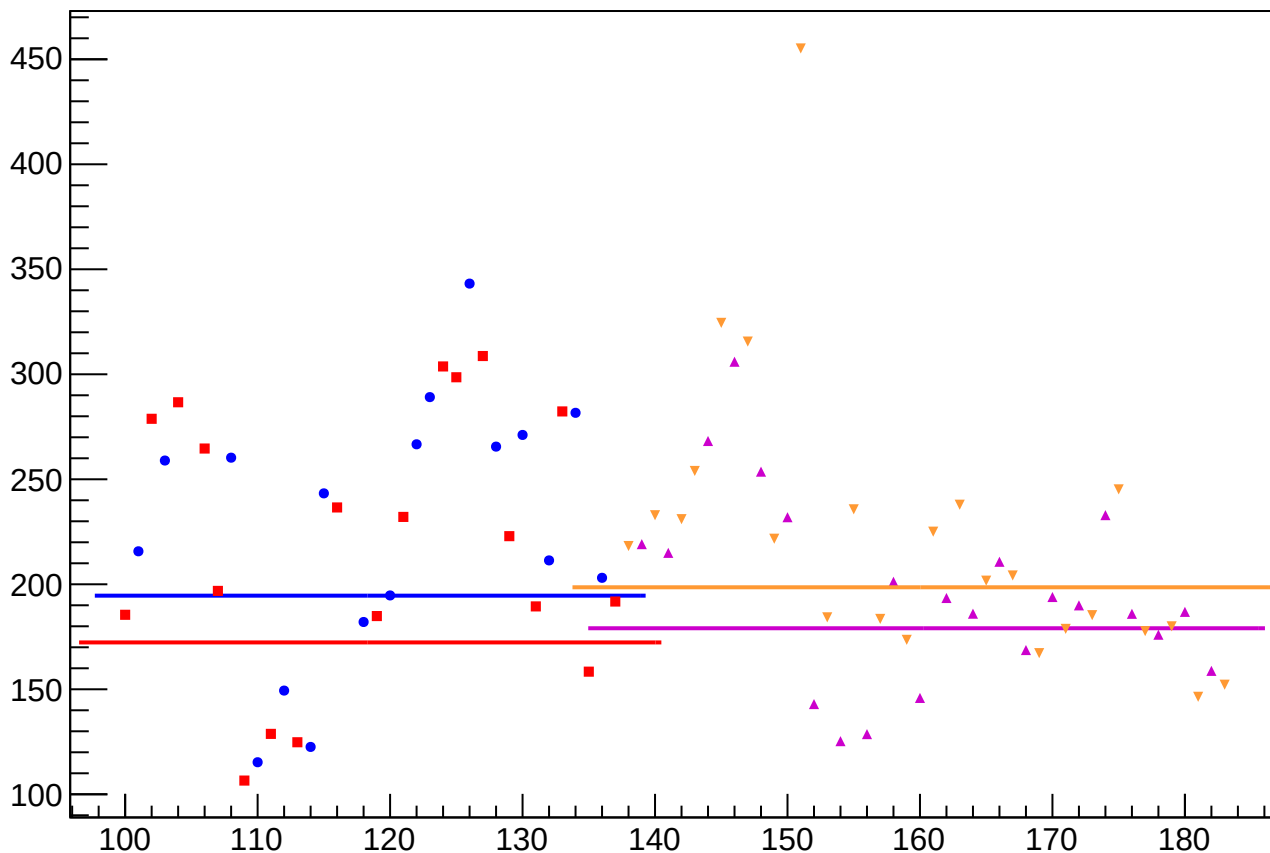
Left In: -30.285 $\pm$ 45.203 χ^2 /NDF: 6.5/21

+ sign 21.607 $\pm$ 41.336 χ^2 /NDF: 14.6/40

All: -2.453 $\pm$ 27.979 χ^2 /NDF: 28.4/81

- sign -22.795 $\pm$ 38.009 χ^2 /NDF: 13.1/40

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.582 $\pm$ 0.057 χ^2 /NDF: 1006984.2/16

Left Out: 198.571 $\pm$ 0.034 χ^2 /NDF:1740132.1/23

Right Out: 172.312 $\pm$ 0.050 χ^2 /NDF: 1564323.1/18

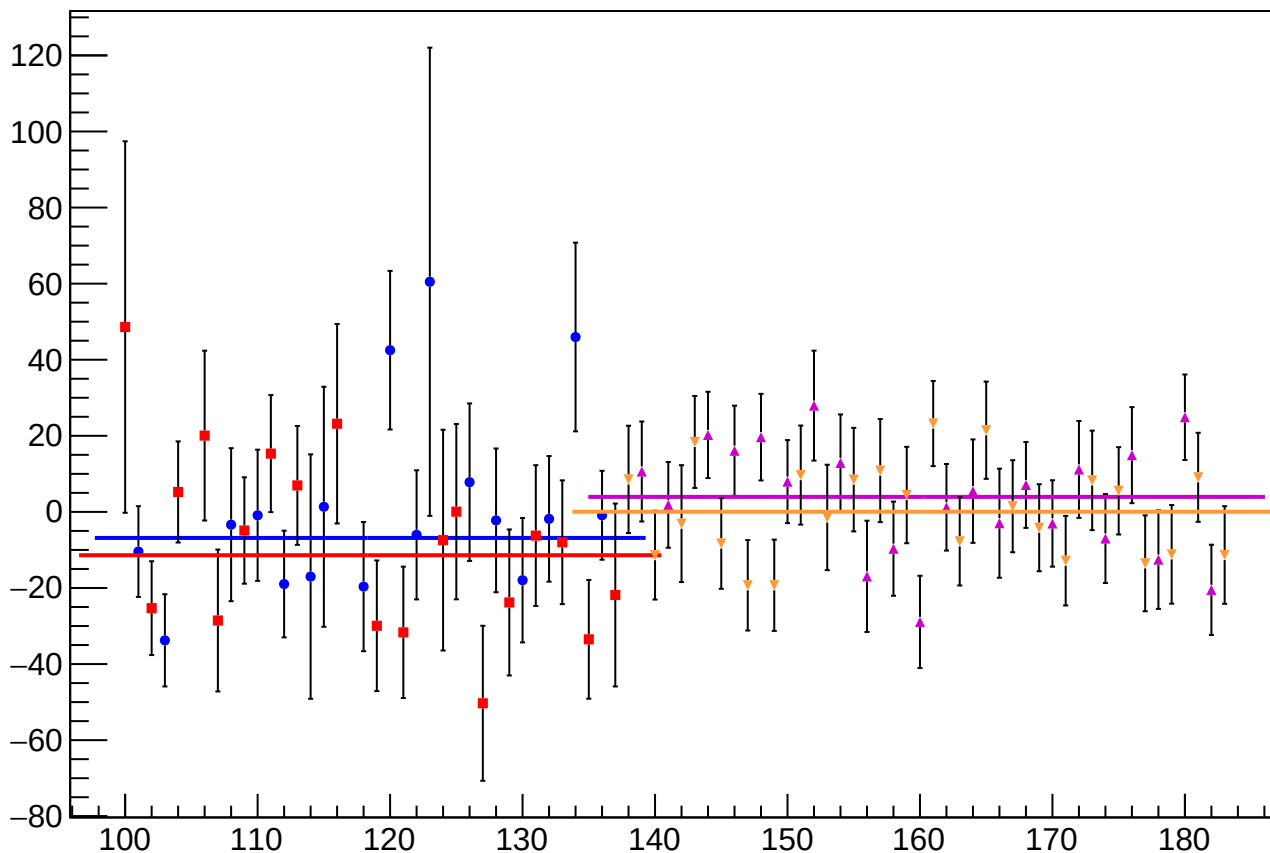
Left In: 179.061 $\pm$ 0.032 χ^2 /NDF:1629433.9/21

+ sign 197.507 $\pm$ 0.029 χ^2 /NDF: 2750757.0/40

All: 186.441 $\pm$ 0.020 χ^2 /NDF: 6222118.0/81

- sign 177.084 $\pm$ 0.027 χ^2 /NDF: 3206817.5/40

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.841 ± 4.162 χ^2/NDF : 19.4/16

Left Out: 0.045 ± 2.540 χ^2/NDF : 23.9/23

Right Out: -11.383 ± 4.086 χ^2/NDF : 22.7/18

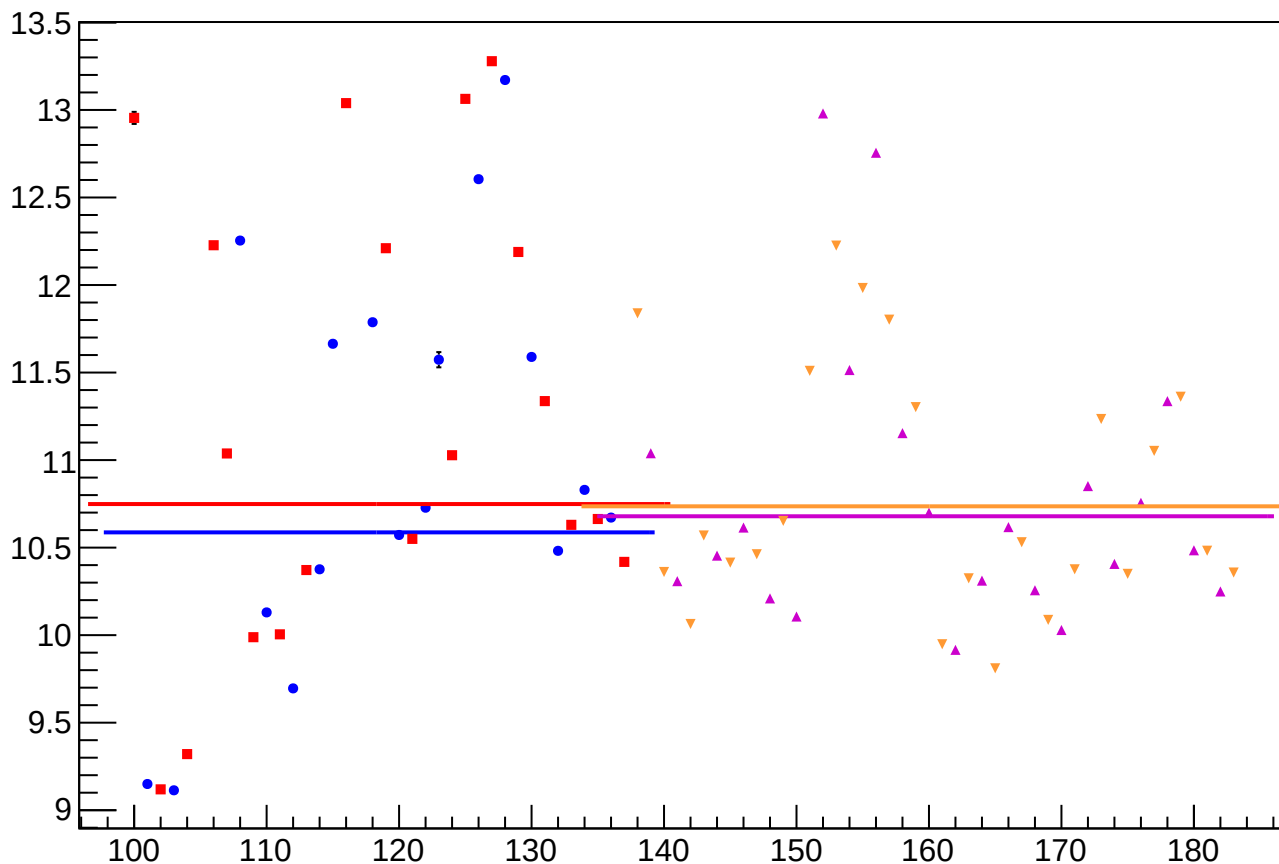
Left In: 3.949 ± 2.600 χ^2/NDF : 31.3/21

+ sign -1.824 ± 2.168 χ^2/NDF : 45.3/40

All: -1.155 ± 1.542 χ^2/NDF : 109.5/81

- sign -0.470 ± 2.193 χ^2/NDF : 64.1/40

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.587 ± 0.003 χ^2/NDF : 159222.7/16

Left Out: 10.736 ± 0.002 χ^2/NDF : 129999.3/23

Right Out: 10.749 ± 0.003 χ^2/NDF : 178183.6/18

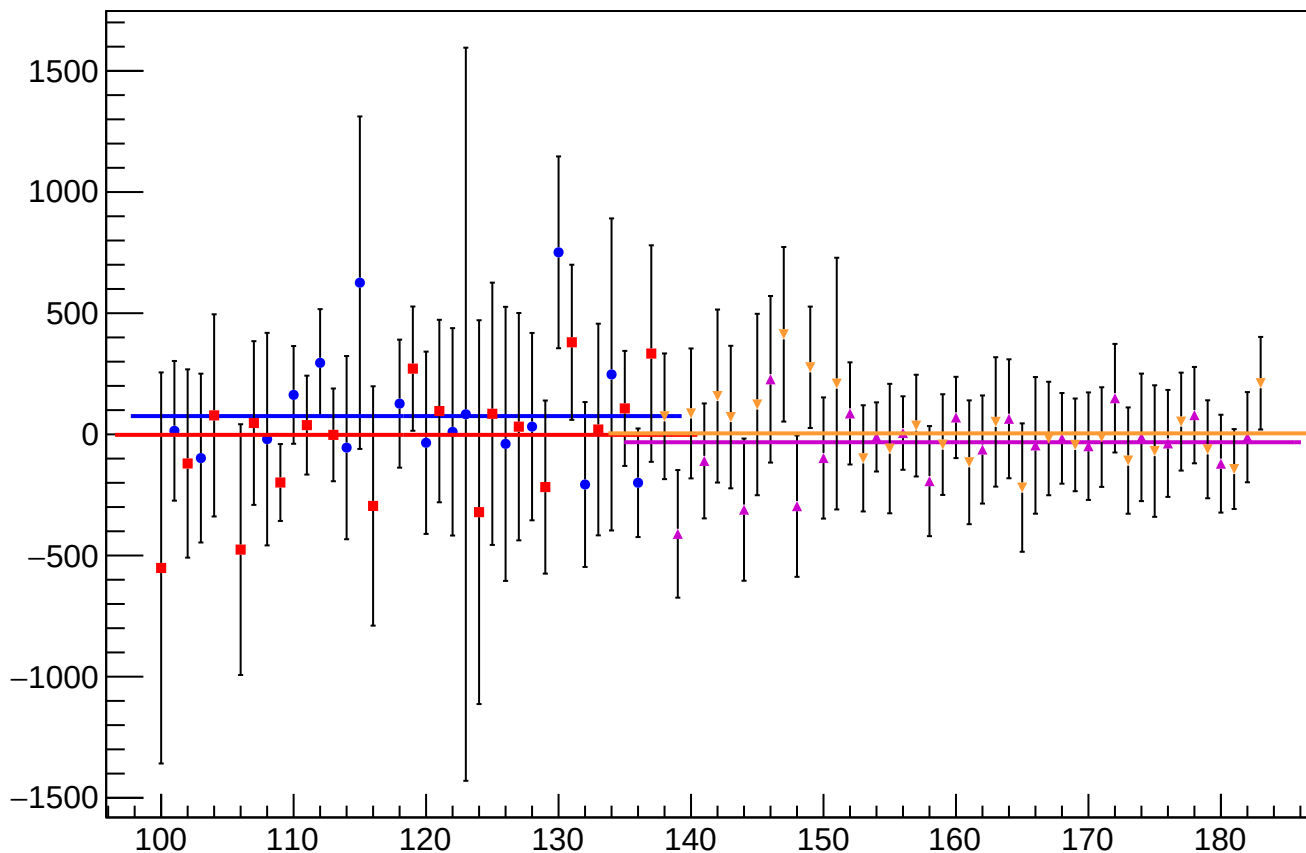
Left In: 10.679 ± 0.002 χ^2/NDF : 145711.9/21

+ sign 10.695 ± 0.002 χ^2/NDF : 291086.0/40

All: 10.697 ± 0.001 χ^2/NDF : 615399.7/81

- sign 10.699 ± 0.002 χ^2/NDF : 324310.9/40

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.370 ± 80.583 χ^2/NDF : 7.7/16

Left Out: 4.137 ± 48.583 χ^2/NDF : 7.0/23

Right Out: -2.048 ± 70.896 χ^2/NDF : 7.3/18

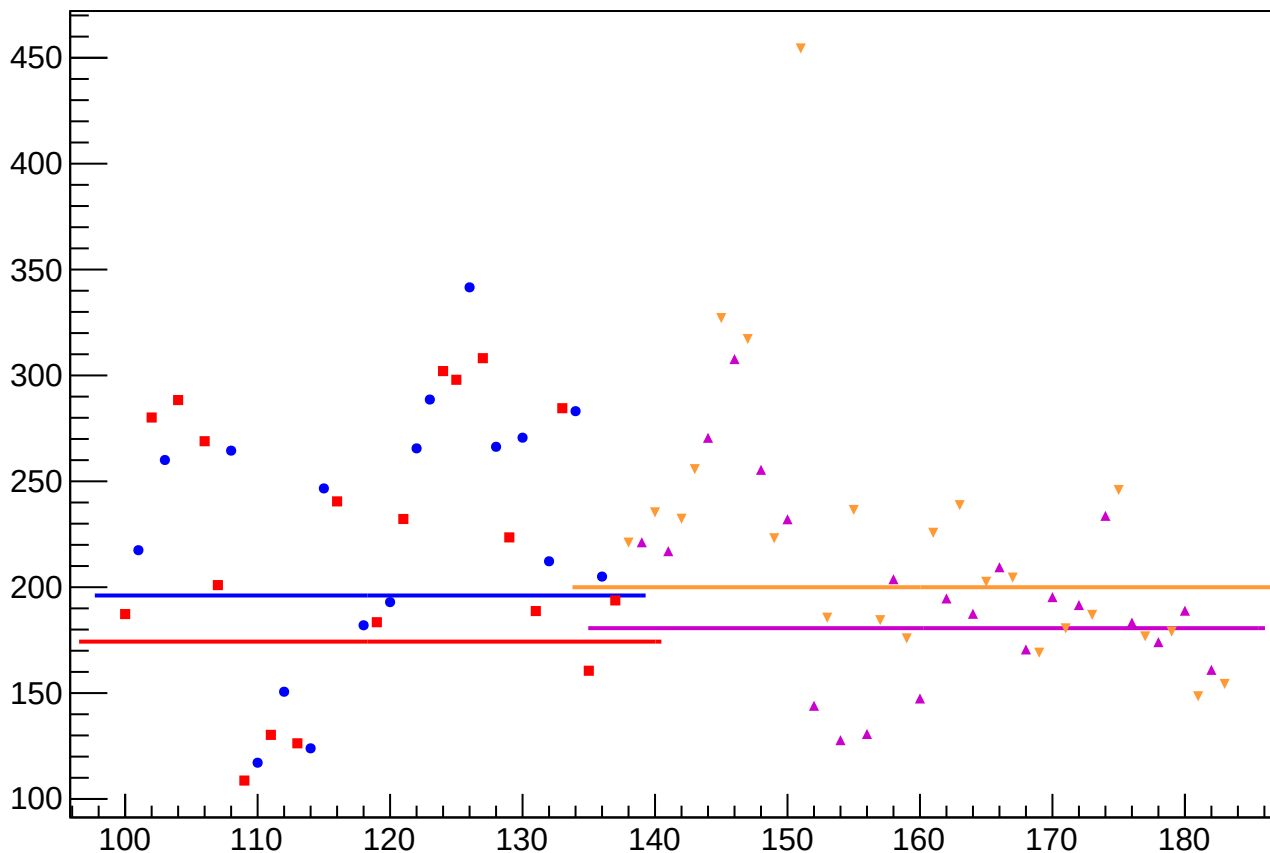
Left In: -32.568 ± 45.559 χ^2/NDF : 7.2/21

+ sign 23.127 ± 41.607 χ^2/NDF : 15.2/40

All: -2.176 ± 28.190 χ^2/NDF : 30.6/81

- sign -23.648 ± 38.328 χ^2/NDF : 14.6/40

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 196.085 $\pm$ 0.057 χ^2 /NDF: 981134.1/16

Left Out: 199.991 $\pm$ 0.034 χ^2 /NDF:1714556.2/23

Right Out: 174.302 $\pm$ 0.050 χ^2 /NDF: 1523885.0/18

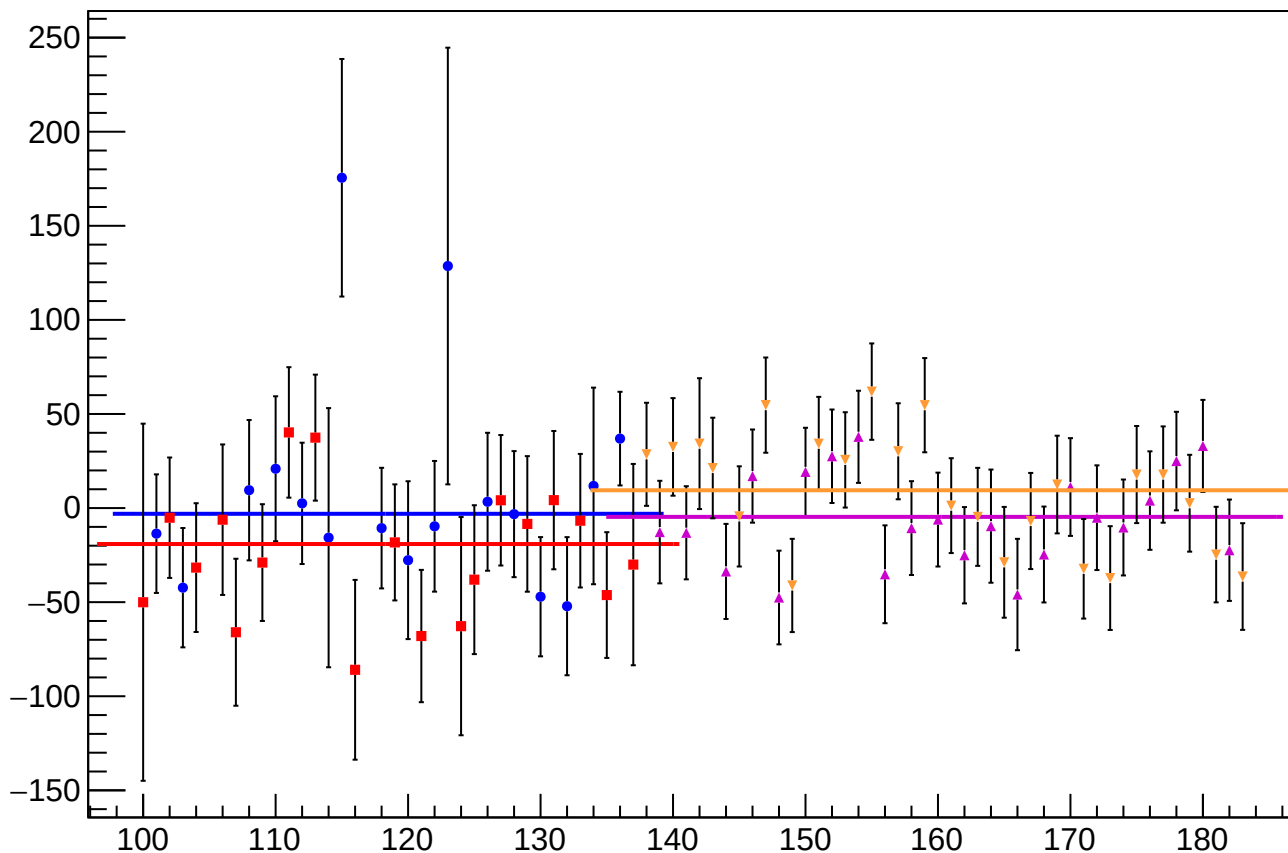
Left In: 180.659 $\pm$ 0.032 χ^2 /NDF:1581651.2/21

+ sign 198.950 $\pm$ 0.029 χ^2 /NDF: 2699135.6/40

All: 188.050 $\pm$ 0.020 χ^2 /NDF: 6069770.6/81

- sign 178.801 $\pm$ 0.027 χ^2 /NDF: 3116919.6/40

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.043 ± 8.901 χ^2/NDF : 18.4/16

Left Out: 9.457 ± 5.362 χ^2/NDF : 31.7/23

Right Out: -19.112 ± 8.574 χ^2/NDF : 14.3/18

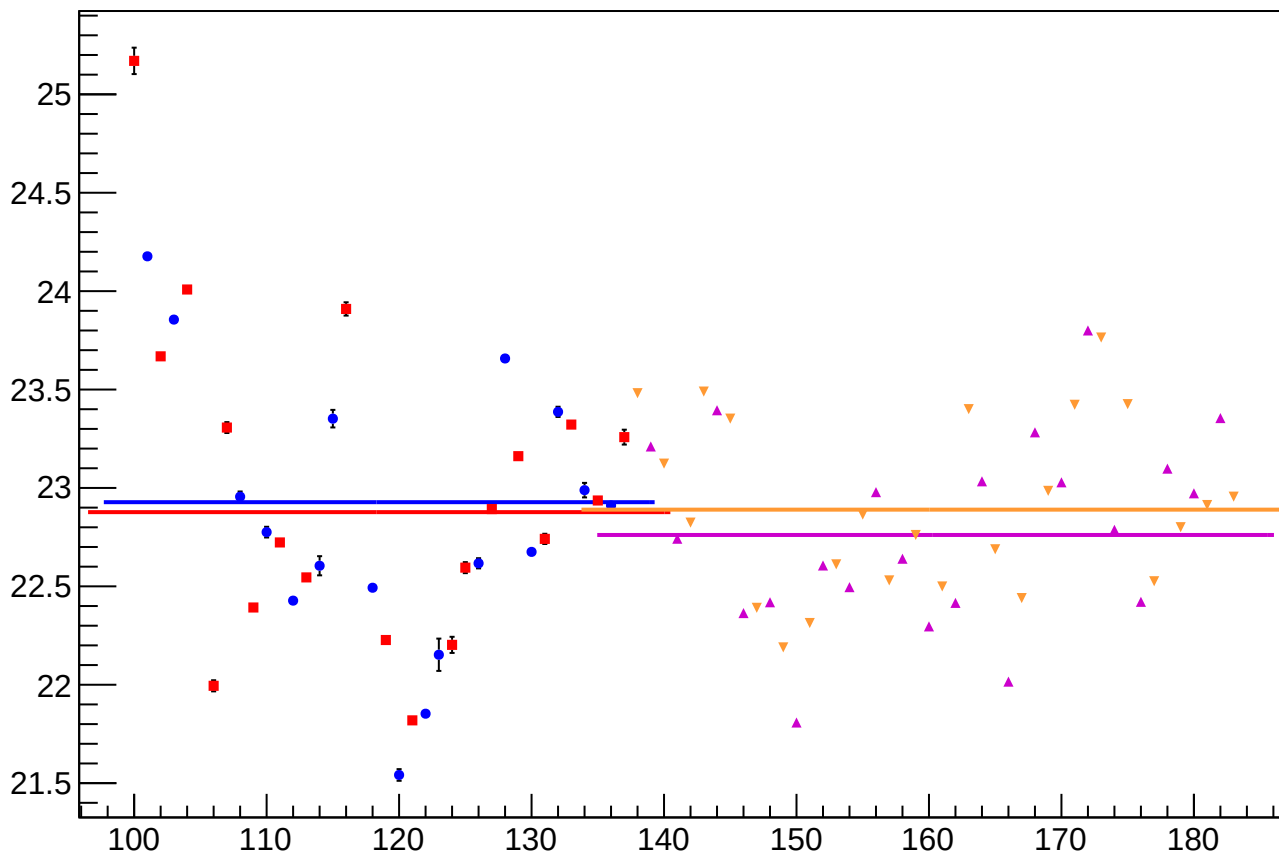
Left In: -4.681 ± 5.489 χ^2/NDF : 20.3/21

+ sign 6.128 ± 4.593 χ^2/NDF : 51.5/40

All: -1.326 ± 3.258 χ^2/NDF : 93.4/81

- sign -8.876 ± 4.623 χ^2/NDF : 36.6/40

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.928 $\pm$ 0.006 χ^2 /NDF: 11600.9/16

Left Out: 22.890 $\pm$ 0.004 χ^2 /NDF: 12967.1/23

Right Out: 22.877 $\pm$ 0.006 χ^2 /NDF: 11098.9/18

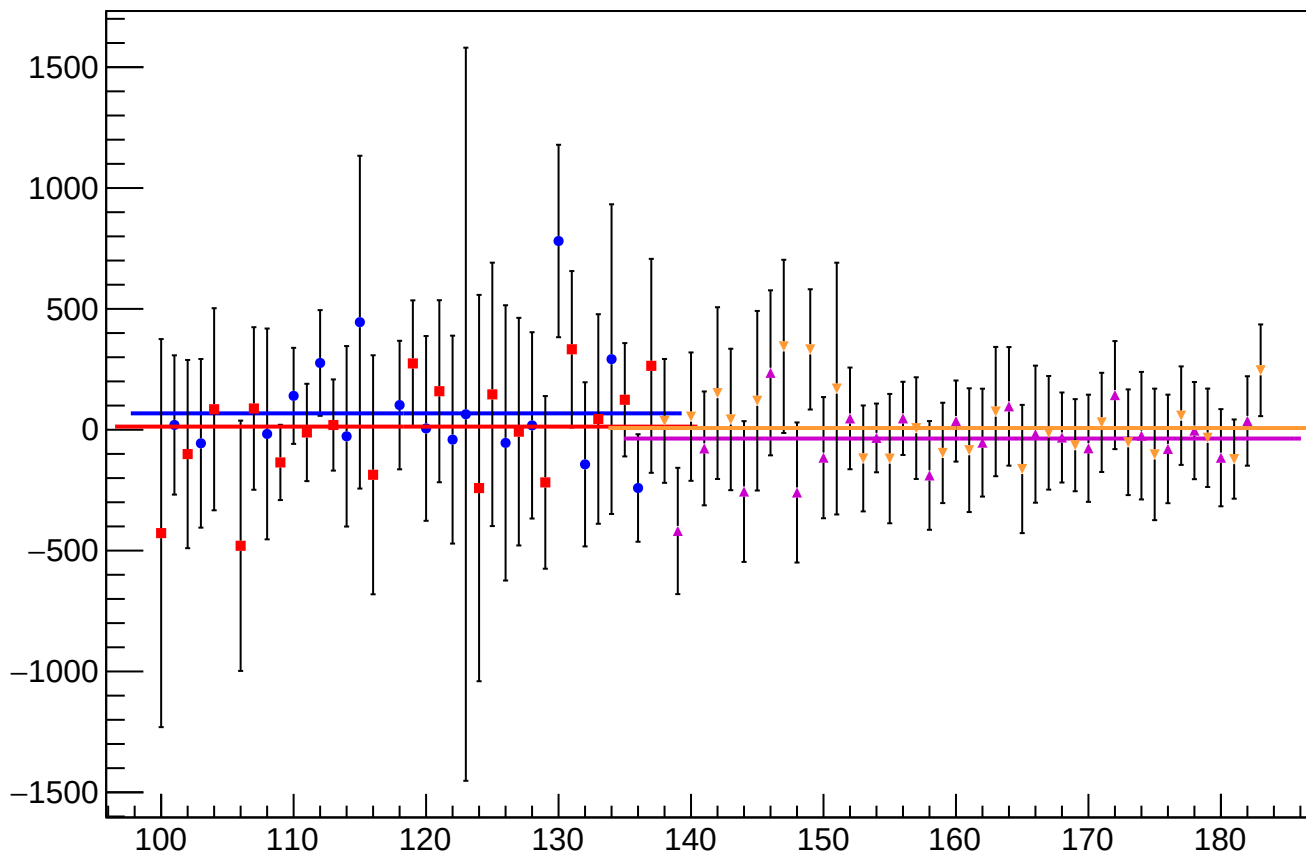
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF: 14622.7/21

+ sign 22.900 $\pm$ 0.003 χ^2 /NDF: 24594.6/40

All: 22.848 $\pm$ 0.002 χ^2 /NDF: 51095.6/81

- sign 22.795 $\pm$ 0.003 χ^2 /NDF: 25981.3/40

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.779 $\pm$ 80.229 χ^2 /NDF: 7.4/16

Left Out: 7.087 $\pm$ 48.506 χ^2 /NDF: 7.1/23

Right Out: 13.007 $\pm$ 70.398 χ^2 /NDF: 5.7/18

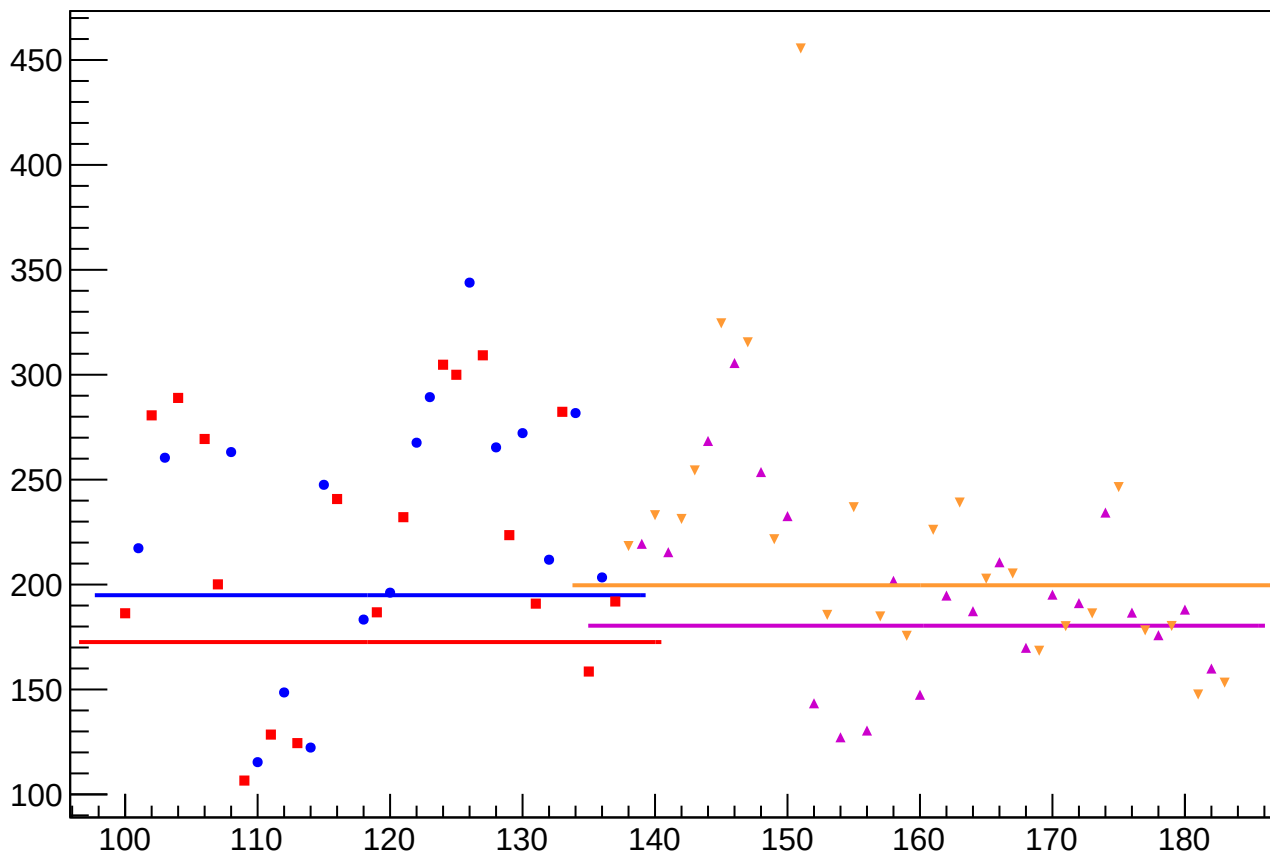
Left In: -36.402 $\pm$ 45.495 χ^2 /NDF: 6.5/21

+ sign 23.334 $\pm$ 41.509 χ^2 /NDF: 14.9/40

All: -1.123 $\pm$ 28.113 χ^2 /NDF: 28.2/81

- sign -21.846 $\pm$ 38.210 χ^2 /NDF: 12.6/40

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.927 $\pm$ 0.057 χ^2 /NDF: 1021893.7/16

Left Out: 199.661 $\pm$ 0.034 χ^2 /NDF: 1711388.2/23

Right Out: 172.594 $\pm$ 0.050 χ^2 /NDF: 1591420.0/18

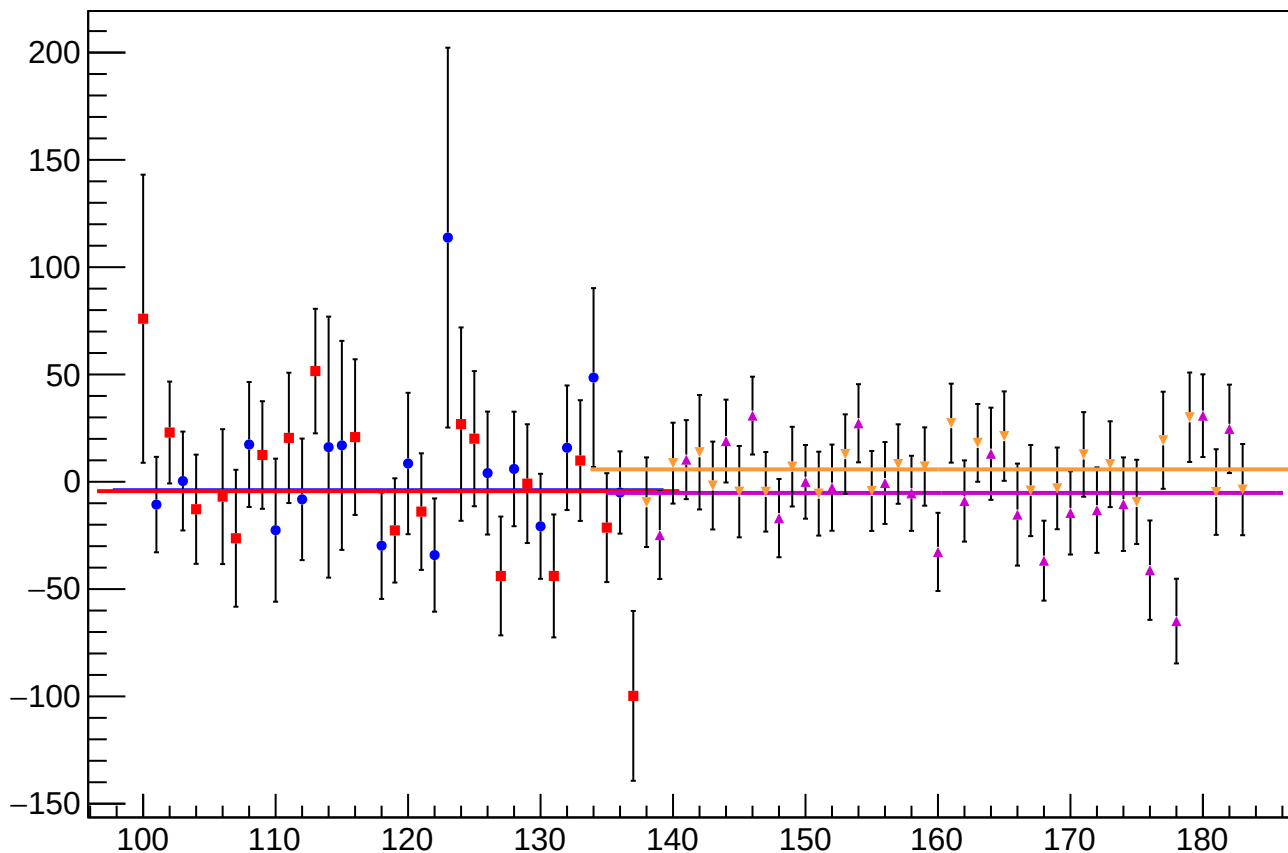
Left In: 180.393 $\pm$ 0.032 χ^2 /NDF: 1575887.6/21

+ sign 198.394 $\pm$ 0.029 χ^2 /NDF: 2738381.9/40

All: 187.406 $\pm$ 0.020 χ^2 /NDF: 6181886.4/81

- sign 178.095 $\pm$ 0.027 χ^2 /NDF: 3184624.7/40

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.959 ± 6.931 χ^2/NDF : 8.3/16

Left Out: 5.794 ± 4.043 χ^2/NDF : 7.9/23

Right Out: -4.358 ± 6.742 χ^2/NDF : 20.9/18

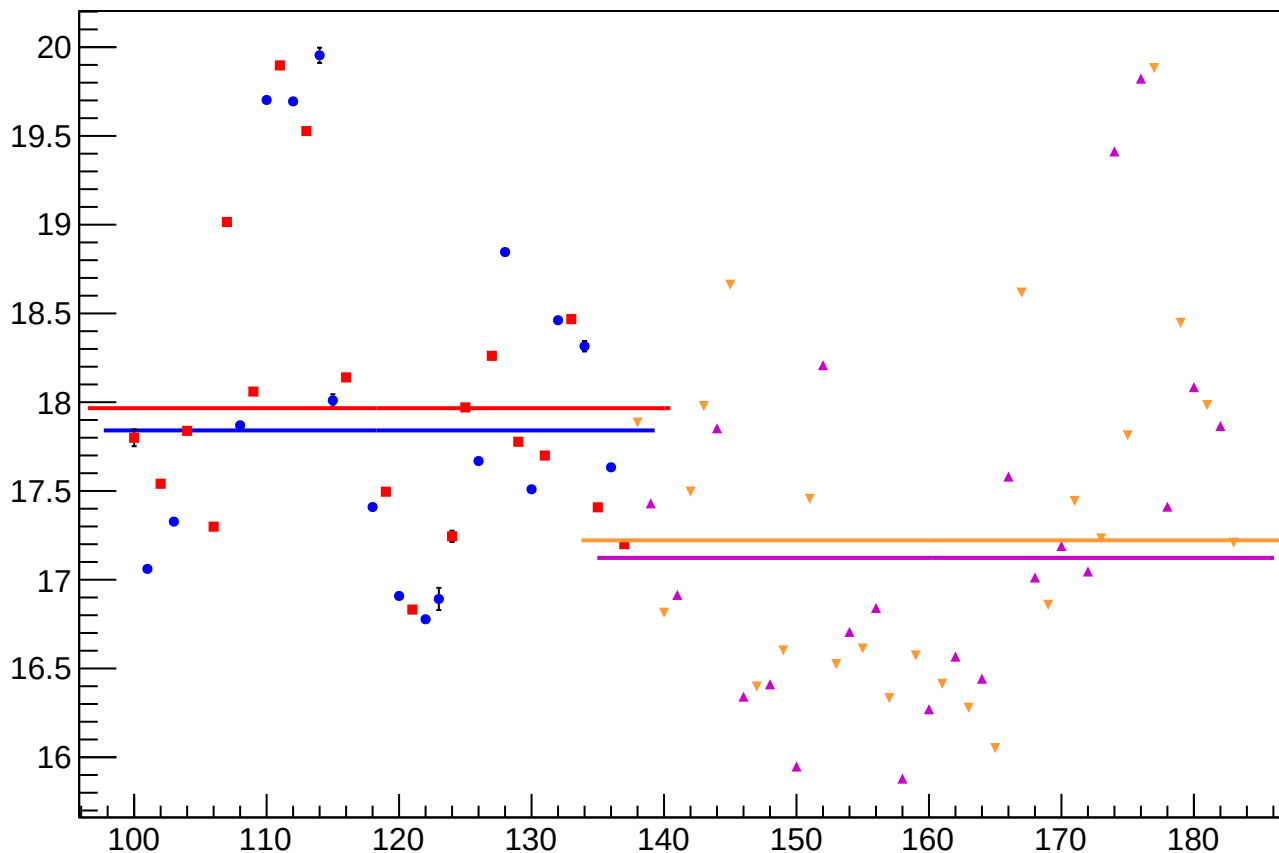
Left In: -5.186 ± 4.139 χ^2/NDF : 34.6/21

+ sign 3.318 ± 3.492 χ^2/NDF : 17.7/40

All: -0.779 ± 2.482 χ^2/NDF : 76.0/81

- sign -4.959 ± 3.528 χ^2/NDF : 55.5/40

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.841 $\pm$ 0.005 χ^2 /NDF: 31077.0/16

Left Out: 17.222 $\pm$ 0.003 χ^2 /NDF: 98138.3/23

Right Out: 17.966 $\pm$ 0.005 χ^2 /NDF: 25324.0/18

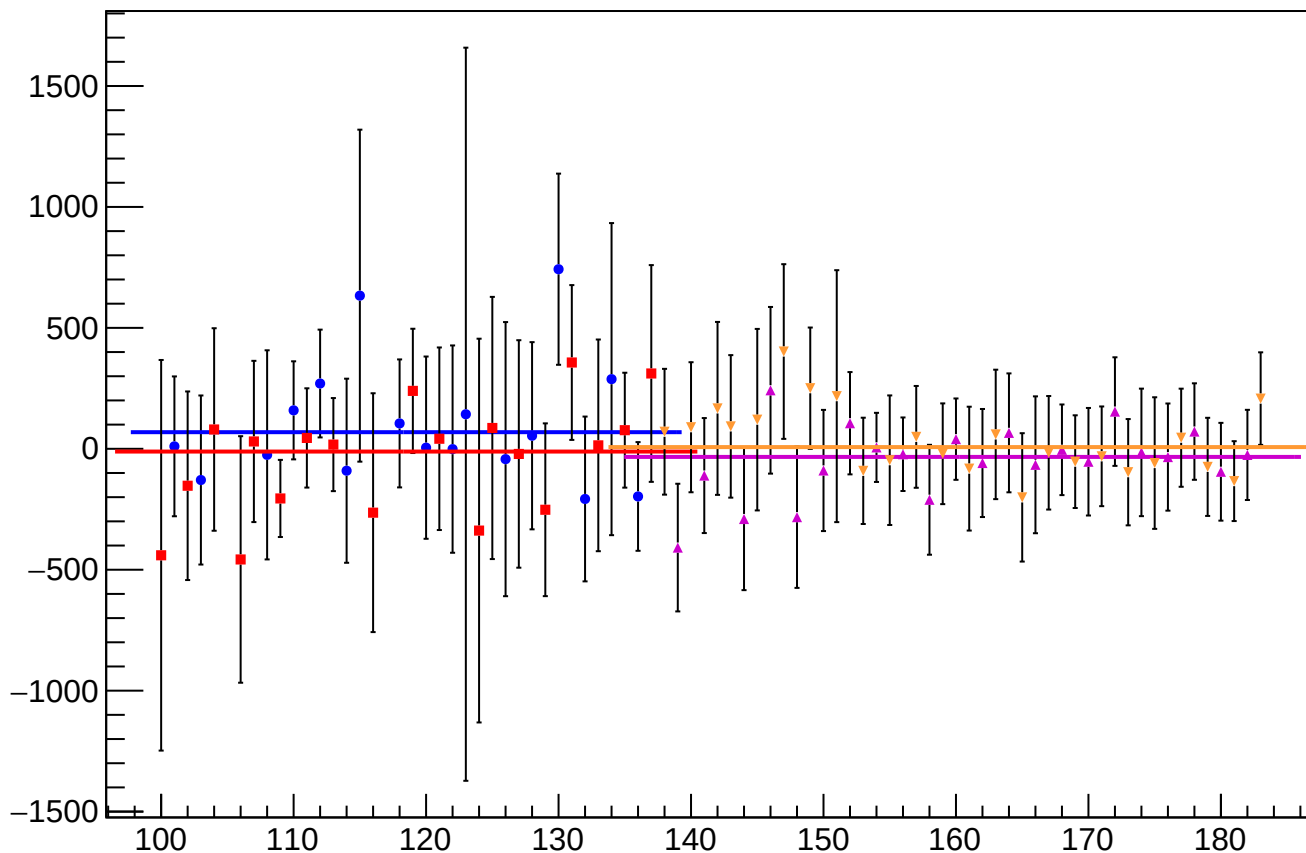
Left In: 17.123 $\pm$ 0.003 χ^2 /NDF: 103390.6/21

+ sign 17.379 $\pm$ 0.002 χ^2 /NDF: 141117.0/40

All: 17.367 $\pm$ 0.002 χ^2 /NDF: 292608.6/81

- sign 17.354 $\pm$ 0.002 χ^2 /NDF: 151439.2/40

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 68.704 ± 80.783 χ^2/NDF : 7.5/16

Left Out: 7.068 ± 48.692 χ^2/NDF : 6.4/23

Right Out: -11.402 ± 71.054 χ^2/NDF : 6.7/18

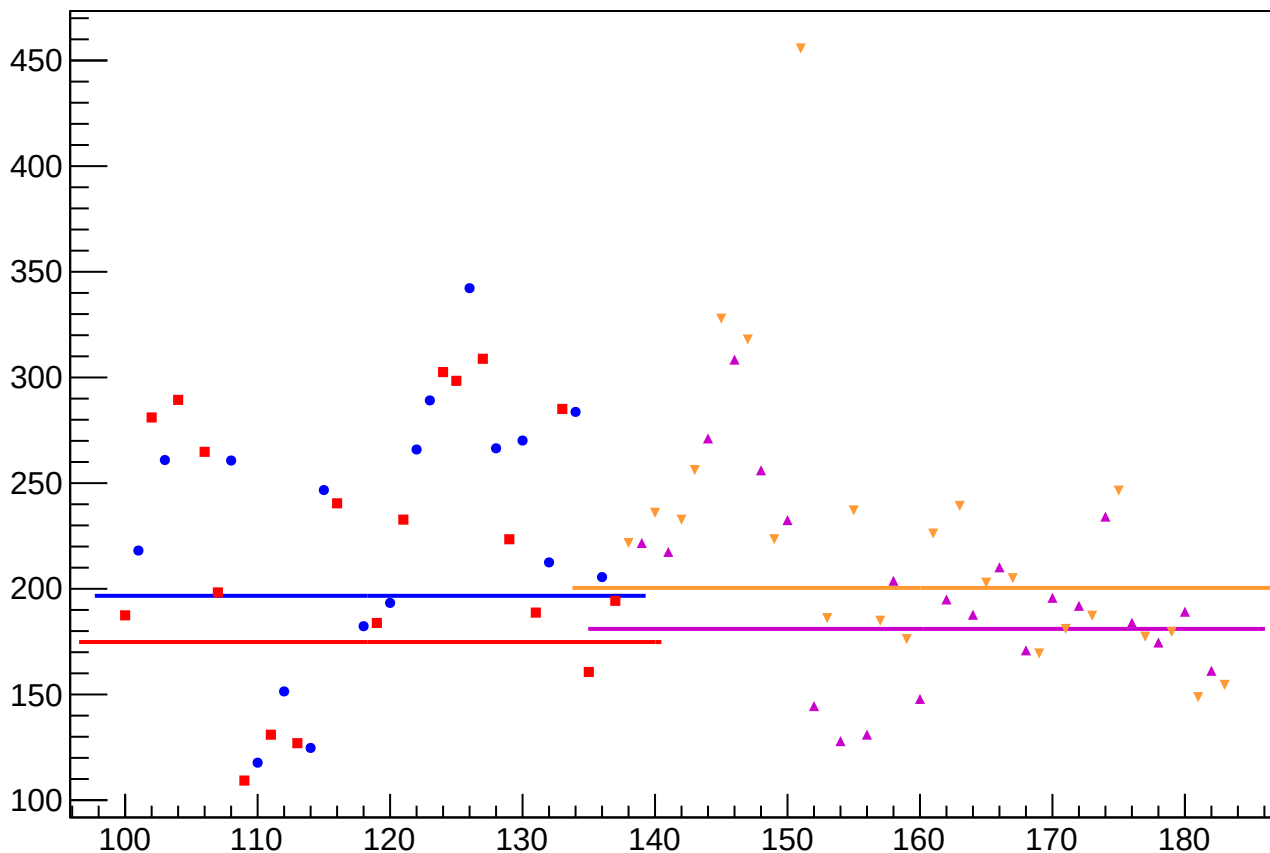
Left In: -33.543 ± 45.654 χ^2/NDF : 6.9/21

+ sign 23.493 ± 41.703 χ^2/NDF : 14.2/40

All: -3.866 ± 28.252 χ^2/NDF : 28.7/81

- sign -27.073 ± 38.409 χ^2/NDF : 13.7/40

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.690 ± 0.057 $\chi^2/\text{NDF}: 966153.1/16$

Left Out: 200.437 ± 0.034 $\chi^2/\text{NDF}: 1715384.0/23$

Right Out: 174.816 ± 0.050 $\chi^2/\text{NDF}: 1506223.2/18$

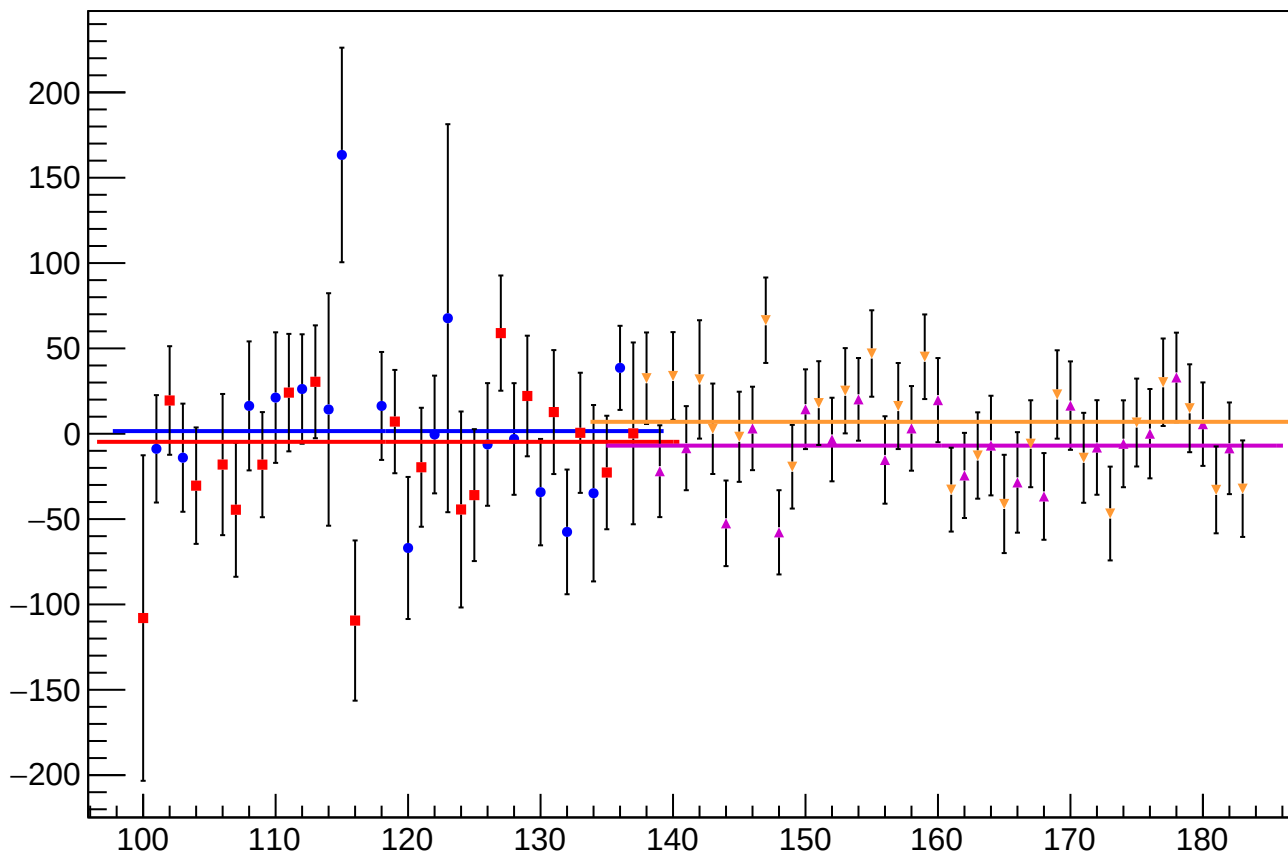
Left In: 181.034 ± 0.032 $\chi^2/\text{NDF}: 1581489.8/21$

+ sign 199.438 ± 0.029 $\chi^2/\text{NDF}: 2684692.6/40$

All: 188.498 ± 0.020 $\chi^2/\text{NDF}: 6037666.5/81$

- sign 179.217 ± 0.027 $\chi^2/\text{NDF}: 3098551.2/40$

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 1.556 ± 8.826 χ^2/NDF : 18.0/16

Left Out: 6.992 ± 5.312 χ^2/NDF : 31.6/23

Right Out: -4.732 ± 8.498 χ^2/NDF : 16.6/18

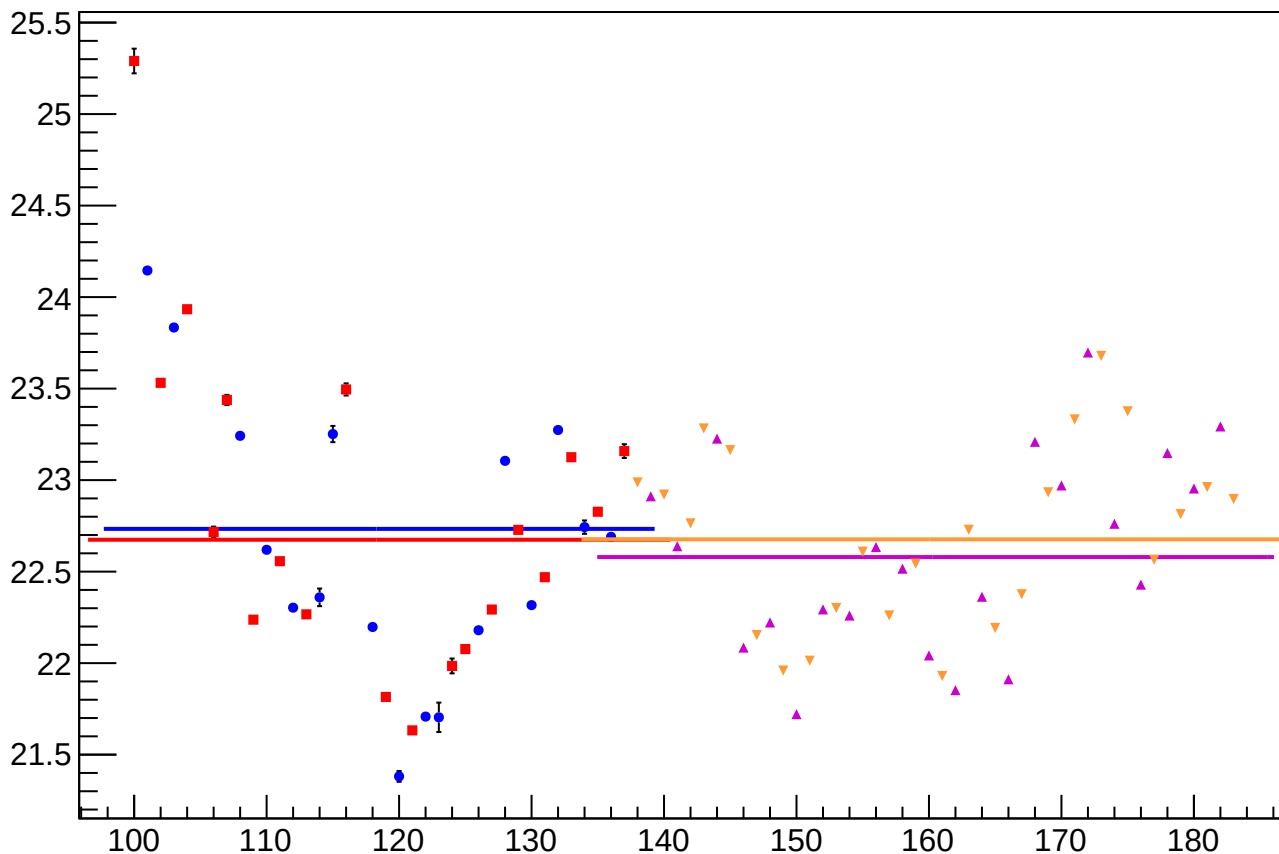
Left In: -6.958 ± 5.445 χ^2/NDF : 17.4/21

+ sign 5.546 ± 4.551 χ^2/NDF : 49.9/40

All: -0.339 ± 3.230 χ^2/NDF : 87.4/81

- sign -6.310 ± 4.585 χ^2/NDF : 34.1/40

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.734 $\pm$ 0.006 χ^2 /NDF: 13530.3/16

Left Out: 22.676 $\pm$ 0.004 χ^2 /NDF: 16040.6/23

Right Out: 22.674 $\pm$ 0.006 χ^2 /NDF: 12809.0/18

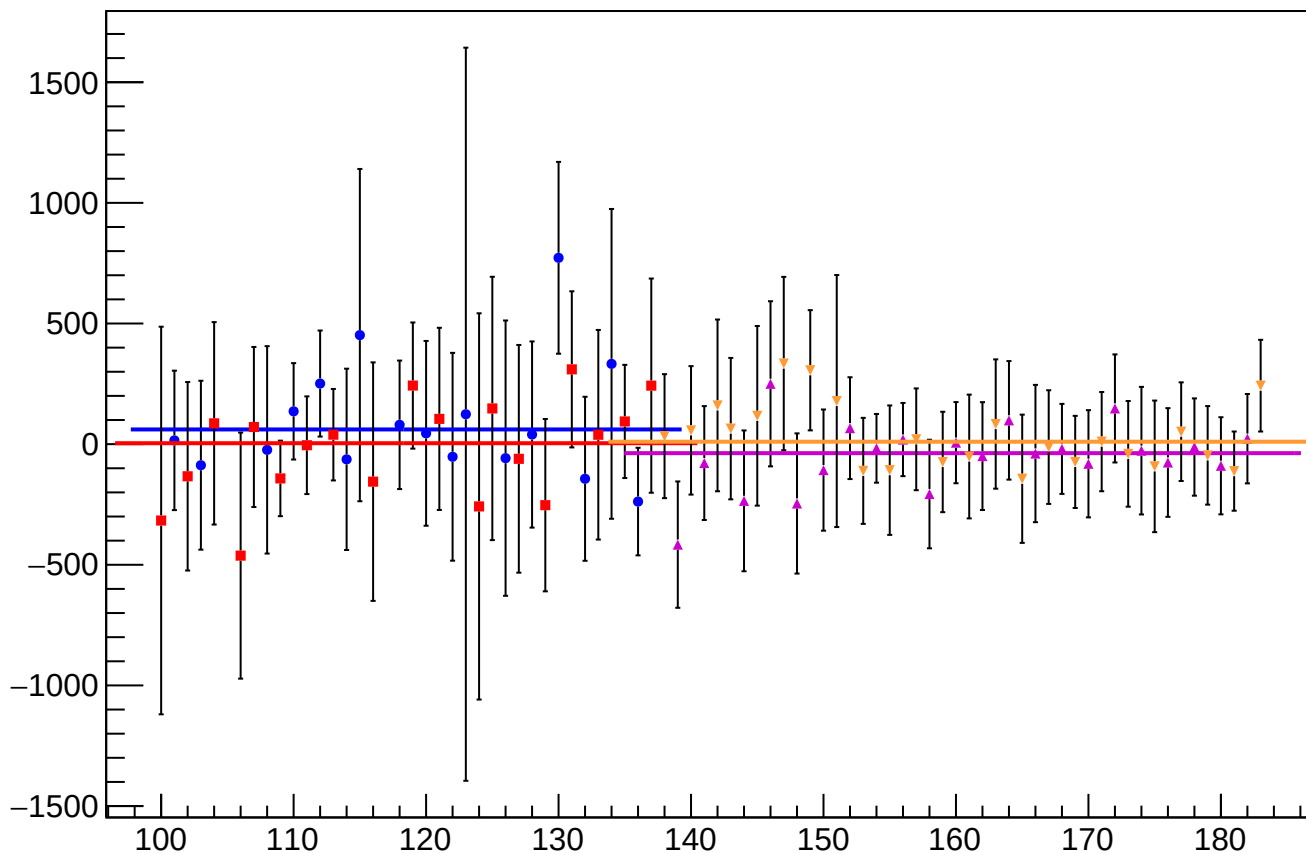
Left In: 22.580 $\pm$ 0.004 χ^2 /NDF: 17951.2/21

+ sign 22.692 $\pm$ 0.003 χ^2 /NDF: 29632.6/40

All: 22.650 $\pm$ 0.002 χ^2 /NDF: 60910.2/81

- sign 22.607 $\pm$ 0.003 χ^2 /NDF: 30935.9/40

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.929 $\pm$ 80.431 χ^2 /NDF: 7.2/16

Left Out: 10.081 $\pm$ 48.616 χ^2 /NDF: 6.4/23

Right Out: 3.845 $\pm$ 70.561 χ^2 /NDF: 5.2/18

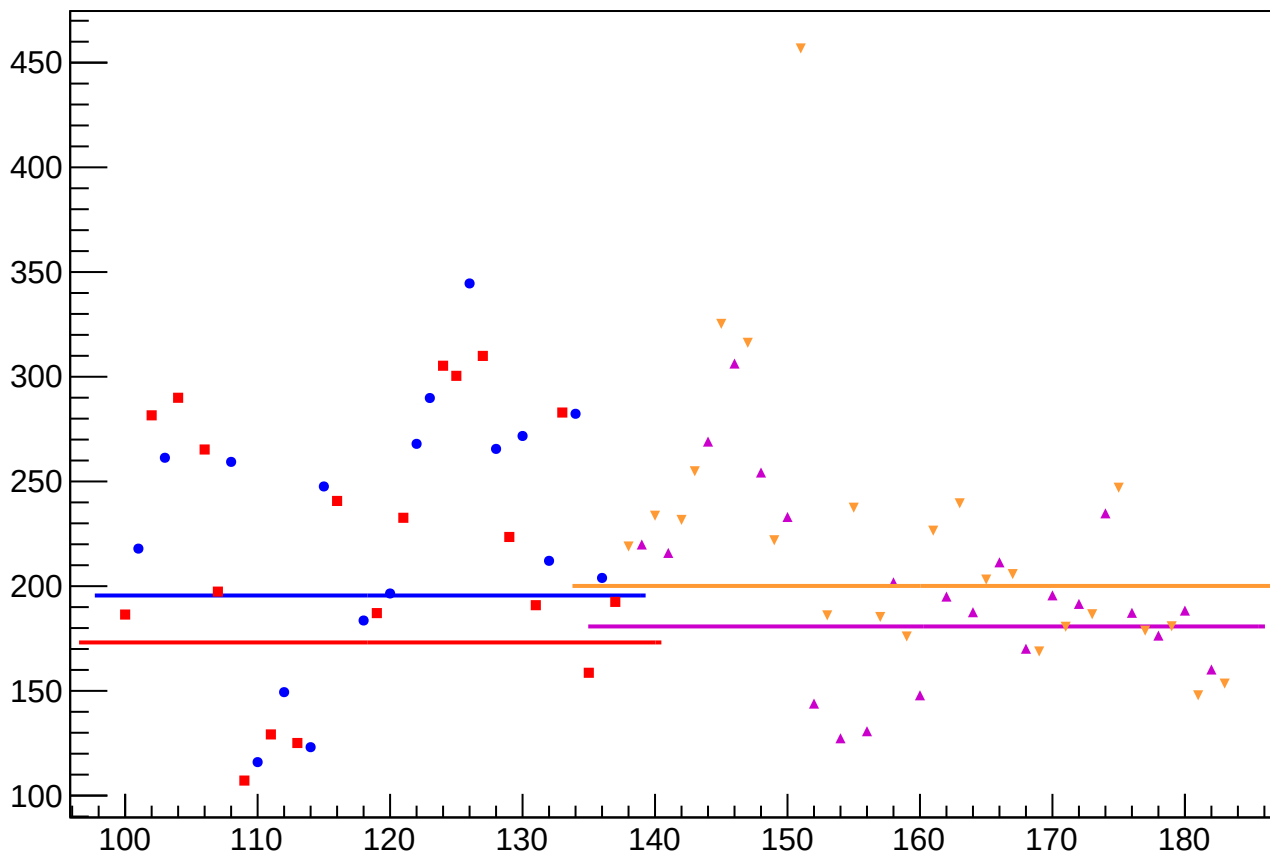
Left In: -37.337 $\pm$ 45.589 χ^2 /NDF: 6.2/21

+ sign 23.687 $\pm$ 41.606 χ^2 /NDF: 13.9/40

All: -2.786 $\pm$ 28.175 χ^2 /NDF: 26.2/81

- sign -25.209 $\pm$ 38.292 χ^2 /NDF: 11.6/40

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.543 $\pm$ 0.057 χ^2 /NDF: 1006207.5/16

Left Out: 200.107 $\pm$ 0.034 χ^2 /NDF:1712262.0/23

Right Out: 173.124 $\pm$ 0.050 χ^2 /NDF: 1572874.3/18

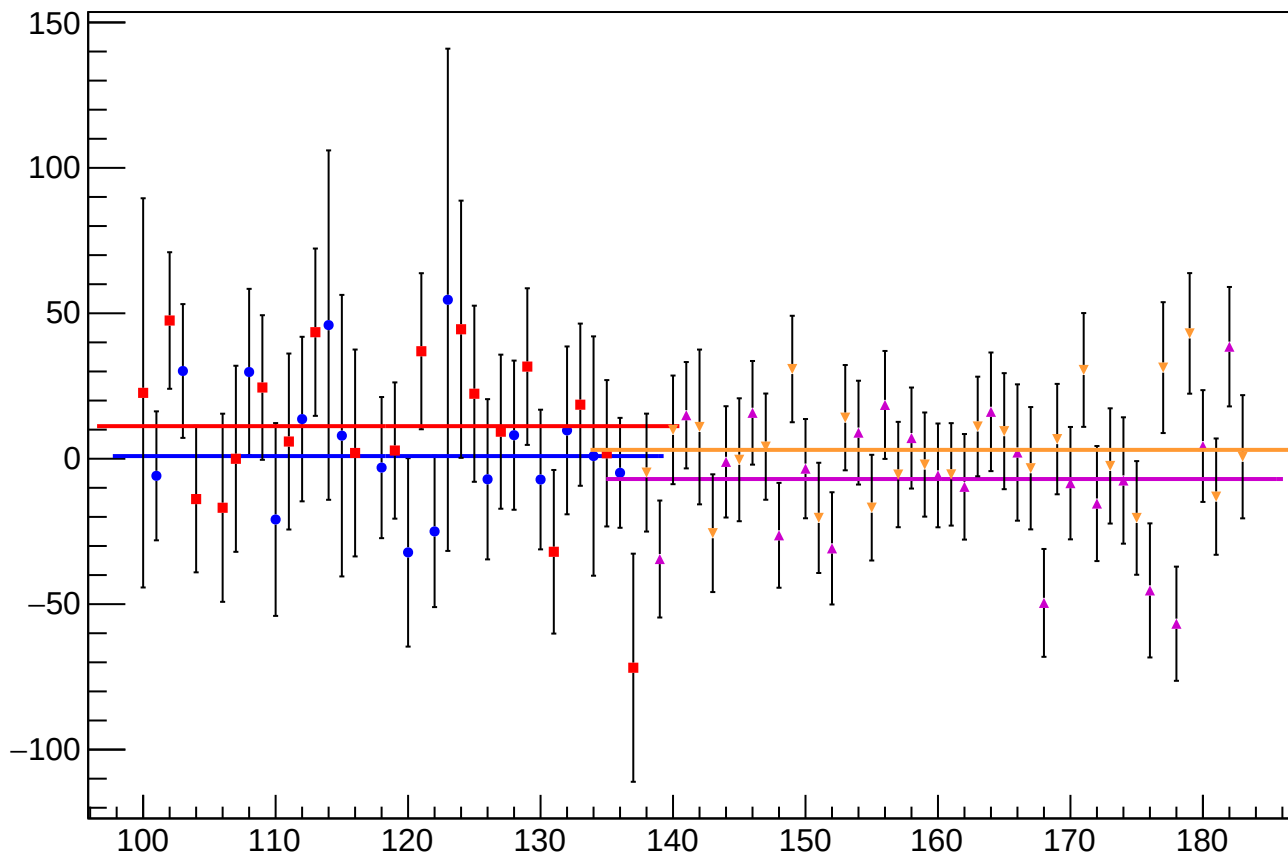
Left In: 180.765 $\pm$ 0.032 χ^2 /NDF:1575957.3/21

+ sign 198.886 $\pm$ 0.029 χ^2 /NDF: 2723184.7/40

All: 187.857 $\pm$ 0.020 χ^2 /NDF: 6148134.0/81

- sign 178.515 $\pm$ 0.027 χ^2 /NDF: 3165375.5/40

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.909 ± 6.829 χ^2/NDF : 6.9/16

Left Out: 3.045 ± 3.971 χ^2/NDF : 18.2/23

Right Out: 11.200 ± 6.644 χ^2/NDF : 15.3/18

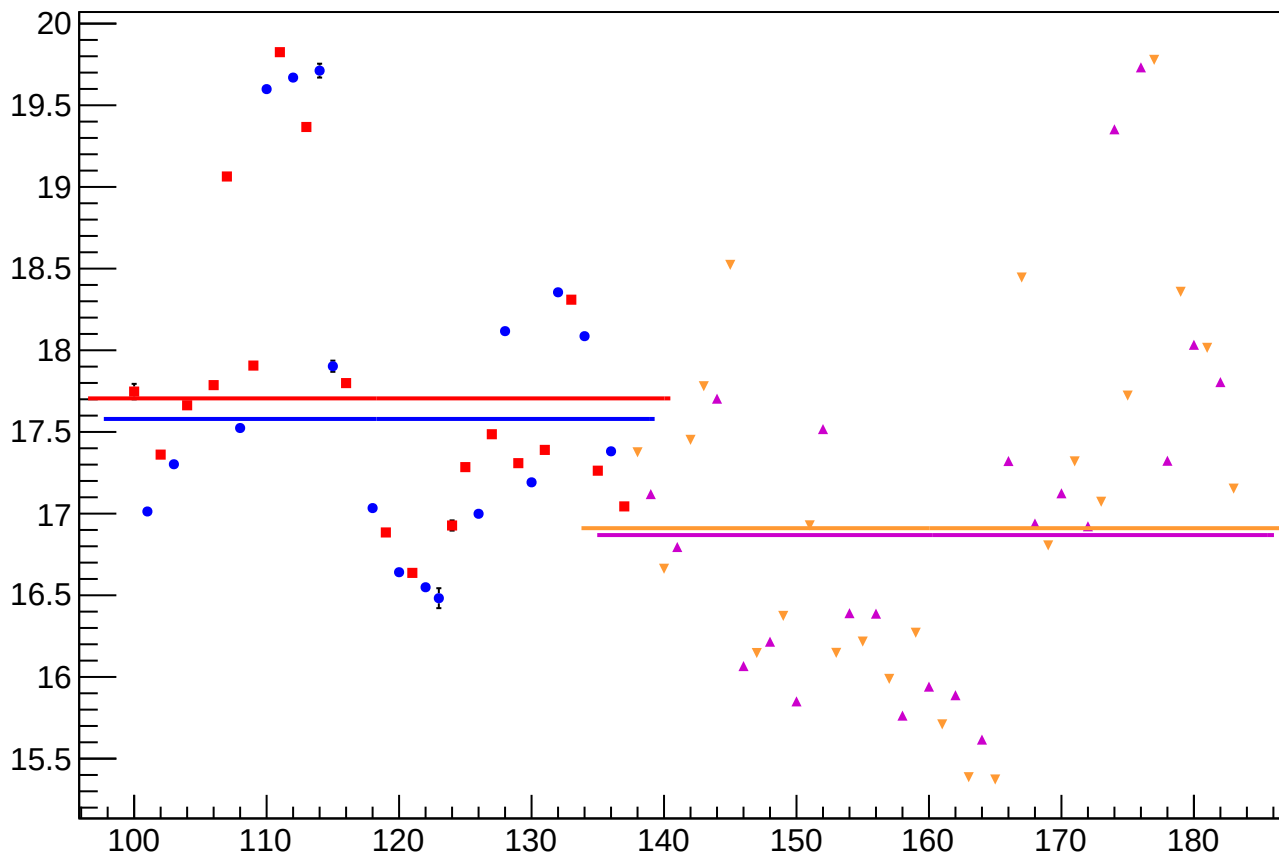
Left In: -6.980 ± 4.078 χ^2/NDF : 32.5/21

+ sign 2.505 ± 3.433 χ^2/NDF : 25.2/40

All: 0.278 ± 2.442 χ^2/NDF : 79.3/81

- sign -2.004 ± 3.476 χ^2/NDF : 53.2/40

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.580 $\pm$ 0.005 χ^2 /NDF: 32962.1/16

Left Out: 16.911 $\pm$ 0.003 χ^2 /NDF: 137824.8/23

Right Out: 17.705 $\pm$ 0.005 χ^2 /NDF: 30276.7/18

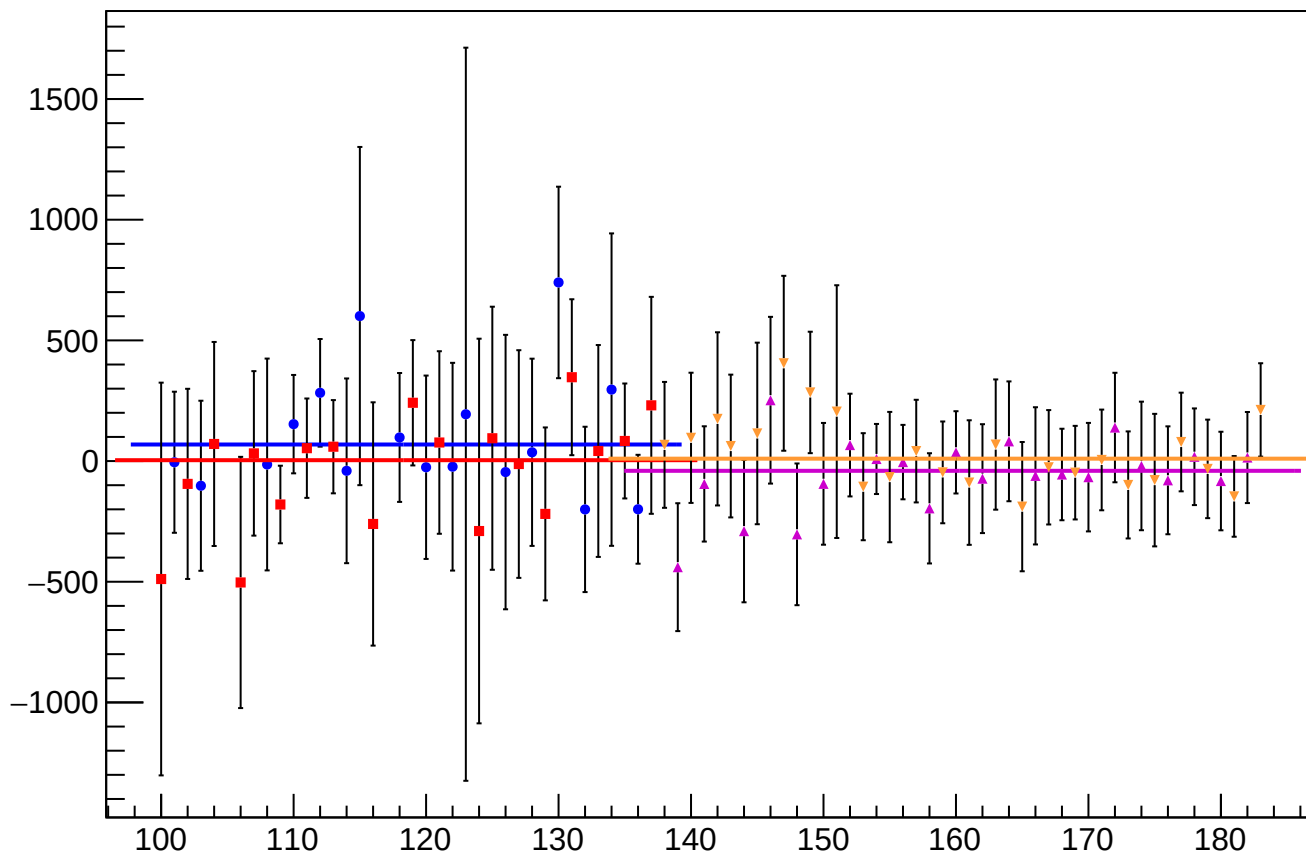
Left In: 16.869 $\pm$ 0.003 χ^2 /NDF: 120625.5/21

+ sign 17.080 $\pm$ 0.002 χ^2 /NDF: 185117.8/40

All: 17.089 $\pm$ 0.002 χ^2 /NDF: 359092.3/81

- sign 17.098 $\pm$ 0.002 χ^2 /NDF: 173947.9/40

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.625 ± 81.256 χ^2/NDF : 7.3/16

Left Out: 9.951 ± 49.111 χ^2/NDF : 6.8/23

Right Out: 3.617 ± 71.551 χ^2/NDF : 6.1/18

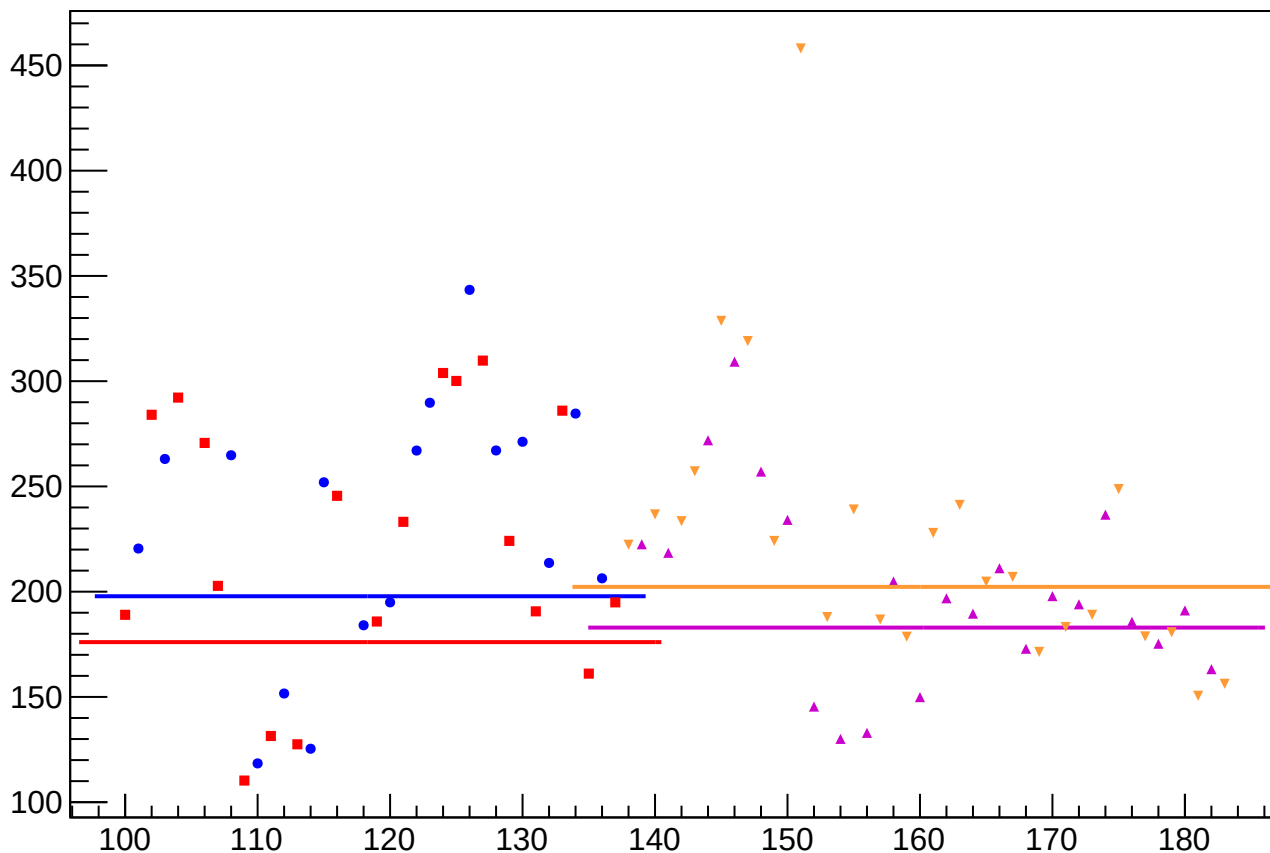
Left In: -40.385 ± 46.097 χ^2/NDF : 6.9/21

+ sign 25.650 ± 42.030 χ^2/NDF : 14.4/40

All: -3.068 ± 28.490 χ^2/NDF : 28.5/81

- sign -27.479 ± 38.751 χ^2/NDF : 13.2/40

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.832 $\pm$ 0.057 χ^2 /NDF: 971081.8/16

Left Out: 202.280 $\pm$ 0.035 χ^2 /NDF:1683423.1/23

Right Out: 176.036 $\pm$ 0.051 χ^2 /NDF: 1514906.1/18

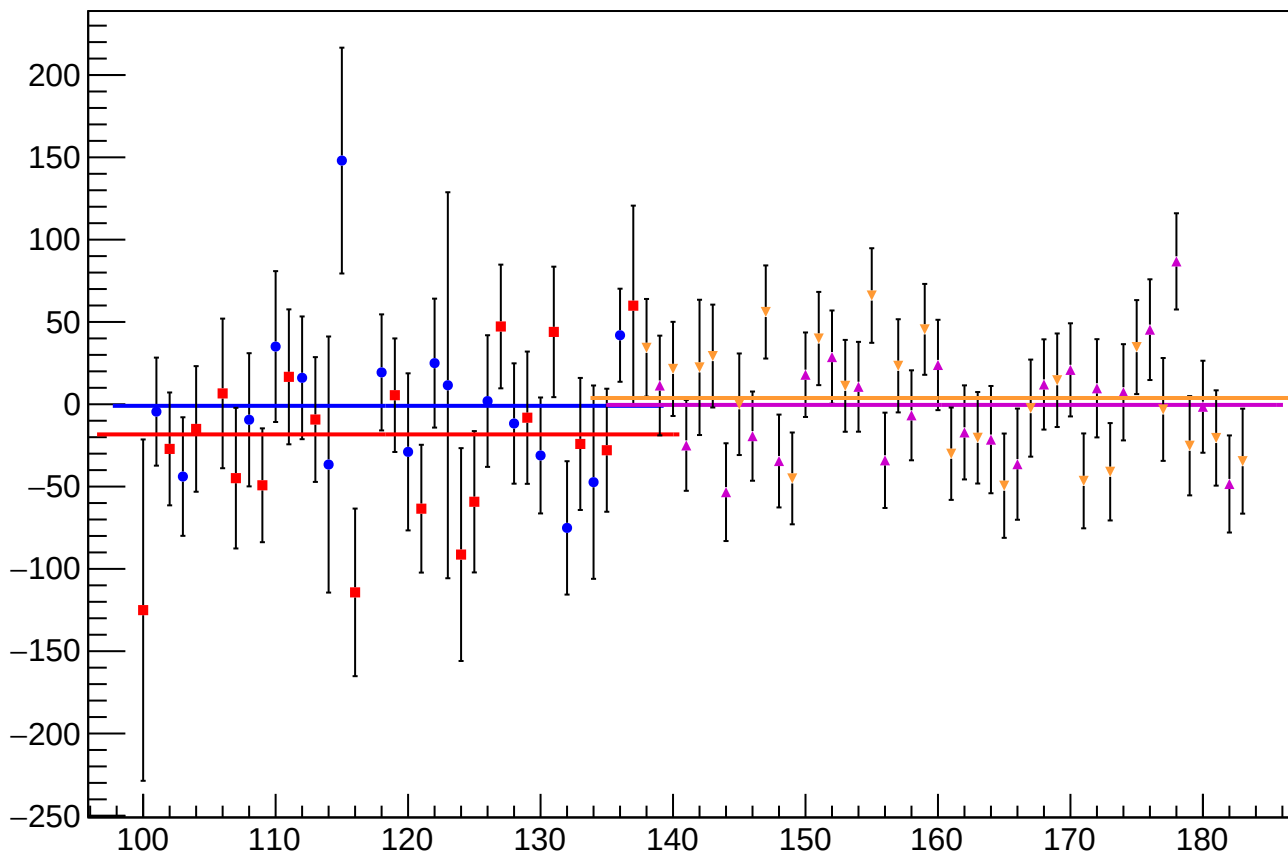
Left In: 182.937 $\pm$ 0.033 χ^2 /NDF:1536757.6/21

+ sign 201.090 $\pm$ 0.030 χ^2 /NDF: 2658894.4/40

All: 190.184 $\pm$ 0.020 χ^2 /NDF: 5972828.7/81

- sign 180.913 $\pm$ 0.027 χ^2 /NDF: 3064810.7/40

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.953 ± 9.909 χ^2/NDF : 15.5/16

Left Out: 3.814 ± 6.009 χ^2/NDF : 32.8/23

Right Out: -18.305 ± 9.519 χ^2/NDF : 18.3/18

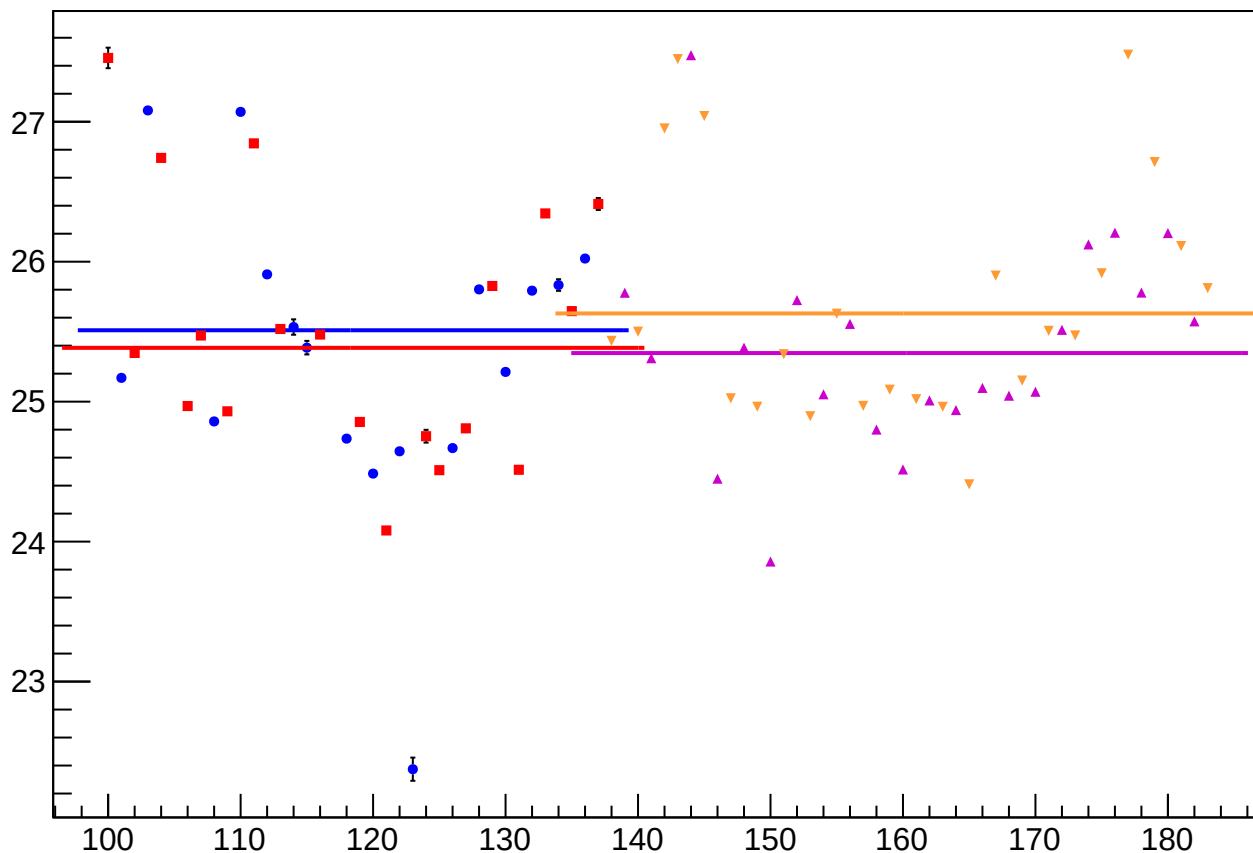
Left In: -0.388 ± 6.118 χ^2/NDF : 26.6/21

+ sign 2.532 ± 5.138 χ^2/NDF : 48.4/40

All: -1.540 ± 3.636 χ^2/NDF : 97.1/81

- sign -5.625 ± 5.147 χ^2/NDF : 47.4/40

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.510 $\pm$ 0.007 χ^2 /NDF: 13357.4/16

Left Out: 25.630 $\pm$ 0.004 χ^2 /NDF:34982.6/23

Right Out: 25.385 $\pm$ 0.007 χ^2 /NDF: 13669.3/18

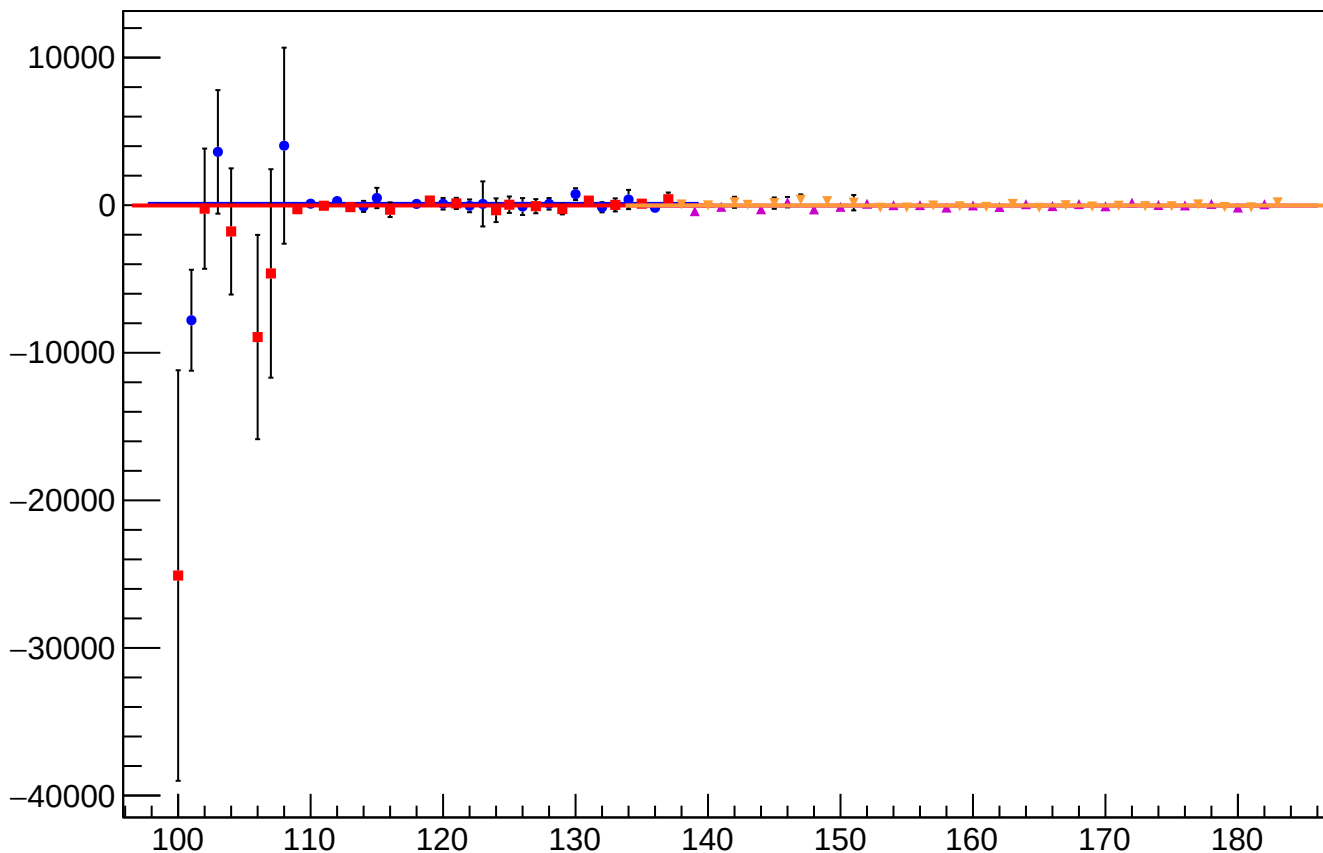
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF:29576.6/21

+ sign 25.598 $\pm$ 0.004 χ^2 /NDF: 48555.1/40

All: 25.478 $\pm$ 0.003 χ^2 /NDF: 93996.4/81

- sign 25.358 $\pm$ 0.004 χ^2 /NDF: 43267.6/40

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 88.017 $\pm$ 88.732 χ^2 /NDF: 12.6/16

Left Out: -19.870 $\pm$ 48.812 χ^2 /NDF: 7.0/23

Right Out: -19.598 $\pm$ 80.969 χ^2 /NDF: 12.0/18

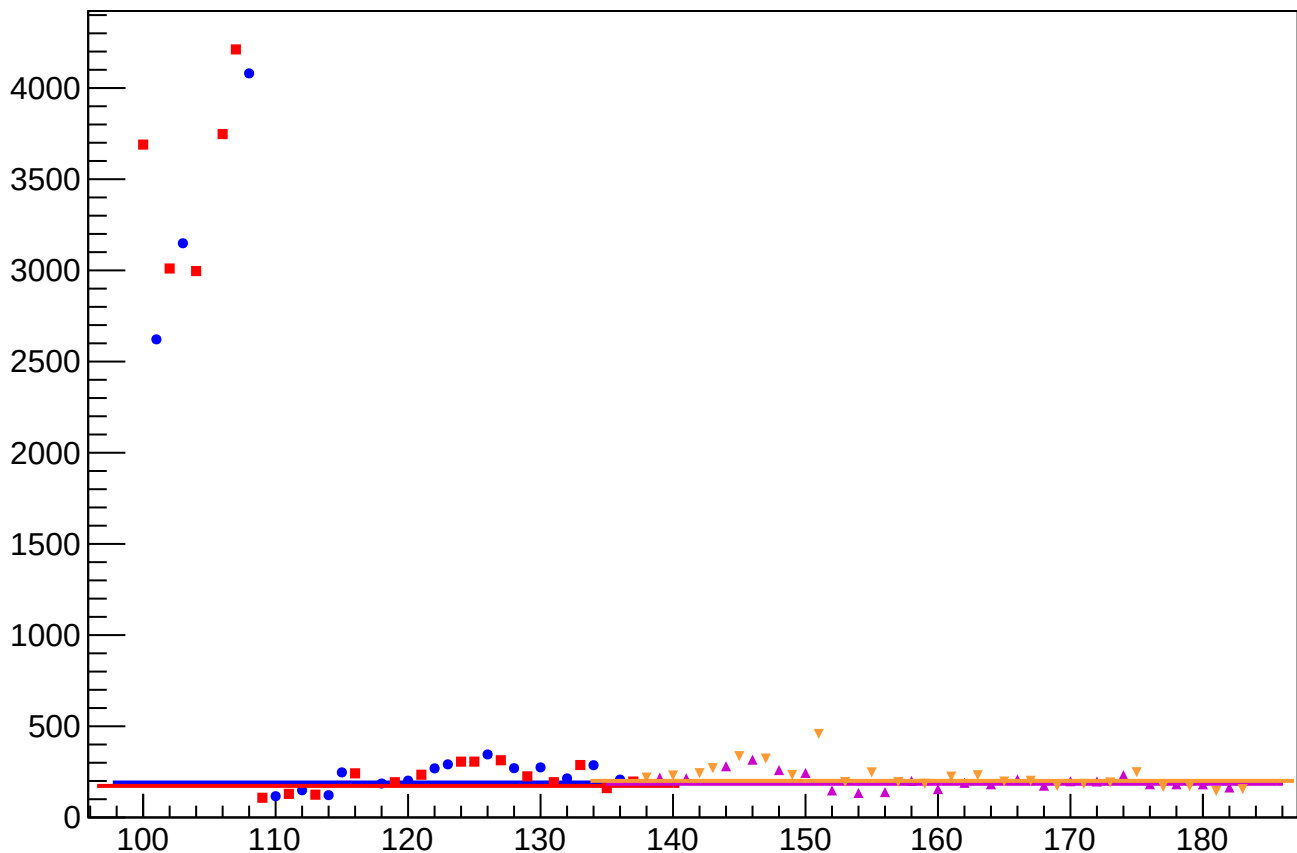
Left In: -29.211 $\pm$ 46.419 χ^2 /NDF: 7.4/21

+ sign 5.194 $\pm$ 42.768 χ^2 /NDF: 20.7/40

All: -11.782 $\pm$ 29.319 χ^2 /NDF: 40.4/81

- sign -26.833 $\pm$ 40.270 χ^2 /NDF: 19.4/40

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.711 $\pm$ 0.063 χ^2 /NDF: 3575897.6/16

Left Out: 200.669 $\pm$ 0.035 χ^2 /NDF:1836147.4/23

Right Out: 173.097 $\pm$ 0.057 χ^2 /NDF: 4201745.6/18

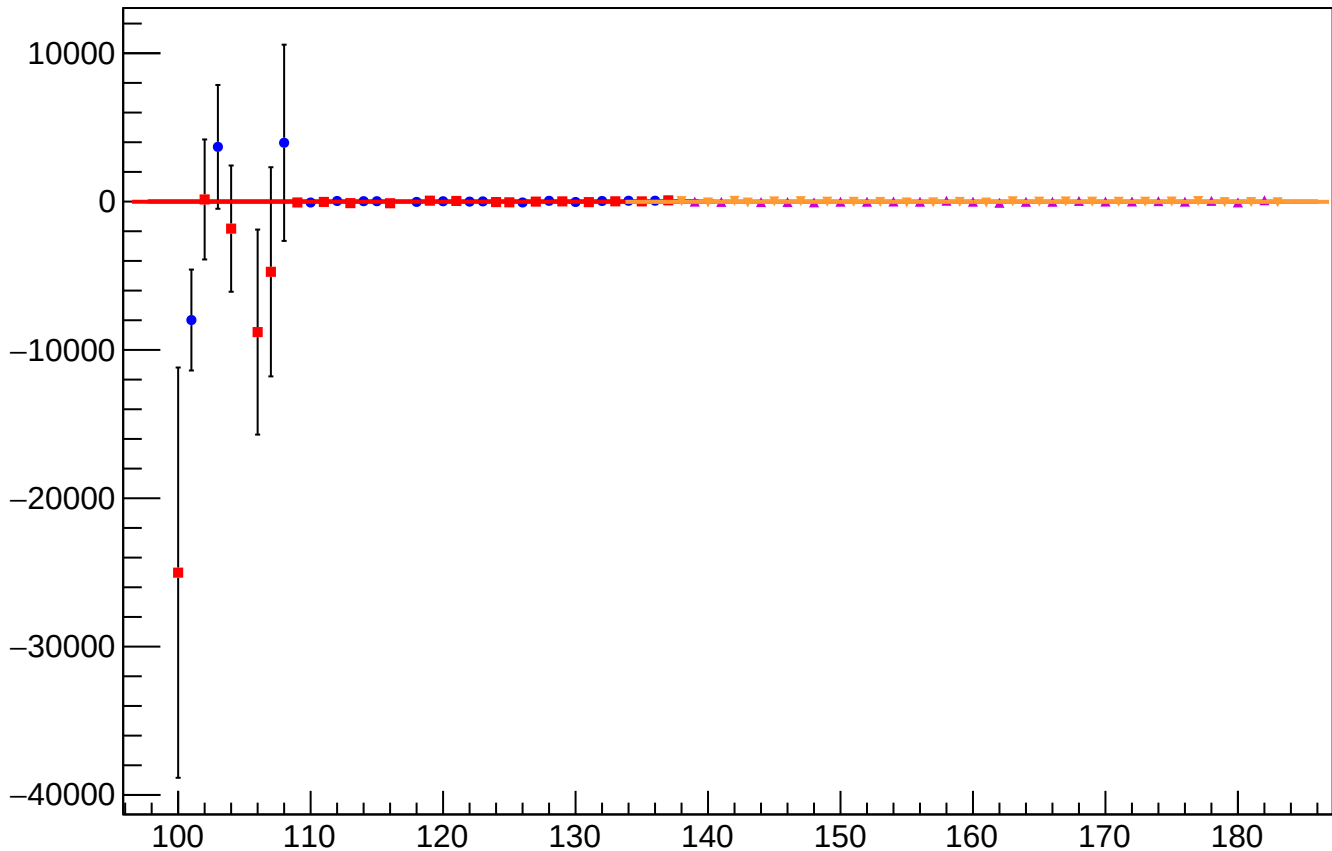
Left In: 184.647 $\pm$ 0.033 χ^2 /NDF:1408345.0/21

+ sign 198.588 $\pm$ 0.030 χ^2 /NDF: 5427691.8/40

All: 189.684 $\pm$ 0.021 χ^2 /NDF: 11231953.8/81

- sign 181.790 $\pm$ 0.028 χ^2 /NDF: 5640720.2/40

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.697 ± 12.319 χ^2/NDF : 19.0/16

Left Out: -17.156 ± 6.740 χ^2/NDF : 22.0/23

Right Out: -11.602 ± 12.269 χ^2/NDF : 24.3/18

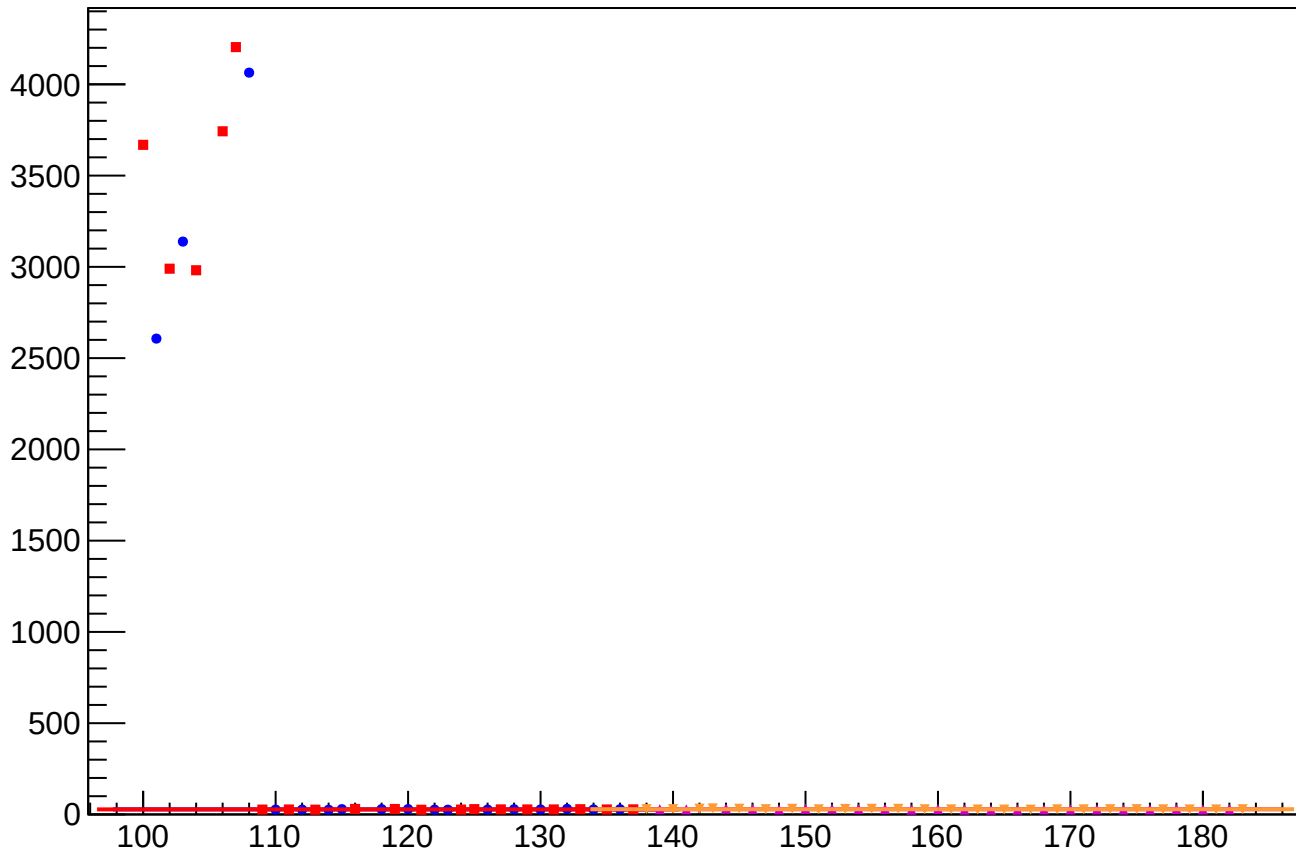
Left In: -0.916 ± 6.938 χ^2/NDF : 32.4/21

+ sign -10.740 ± 5.913 χ^2/NDF : 44.9/40

All: -7.199 ± 4.225 χ^2/NDF : 102.9/81

- sign -3.505 ± 6.039 χ^2/NDF : 57.3/40

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.874 $\pm$ 0.009 χ^2 /NDF: 3027804.9/16

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110456.7/23

Right Out: 27.715 $\pm$ 0.009 χ^2 /NDF: 3476945.4/18

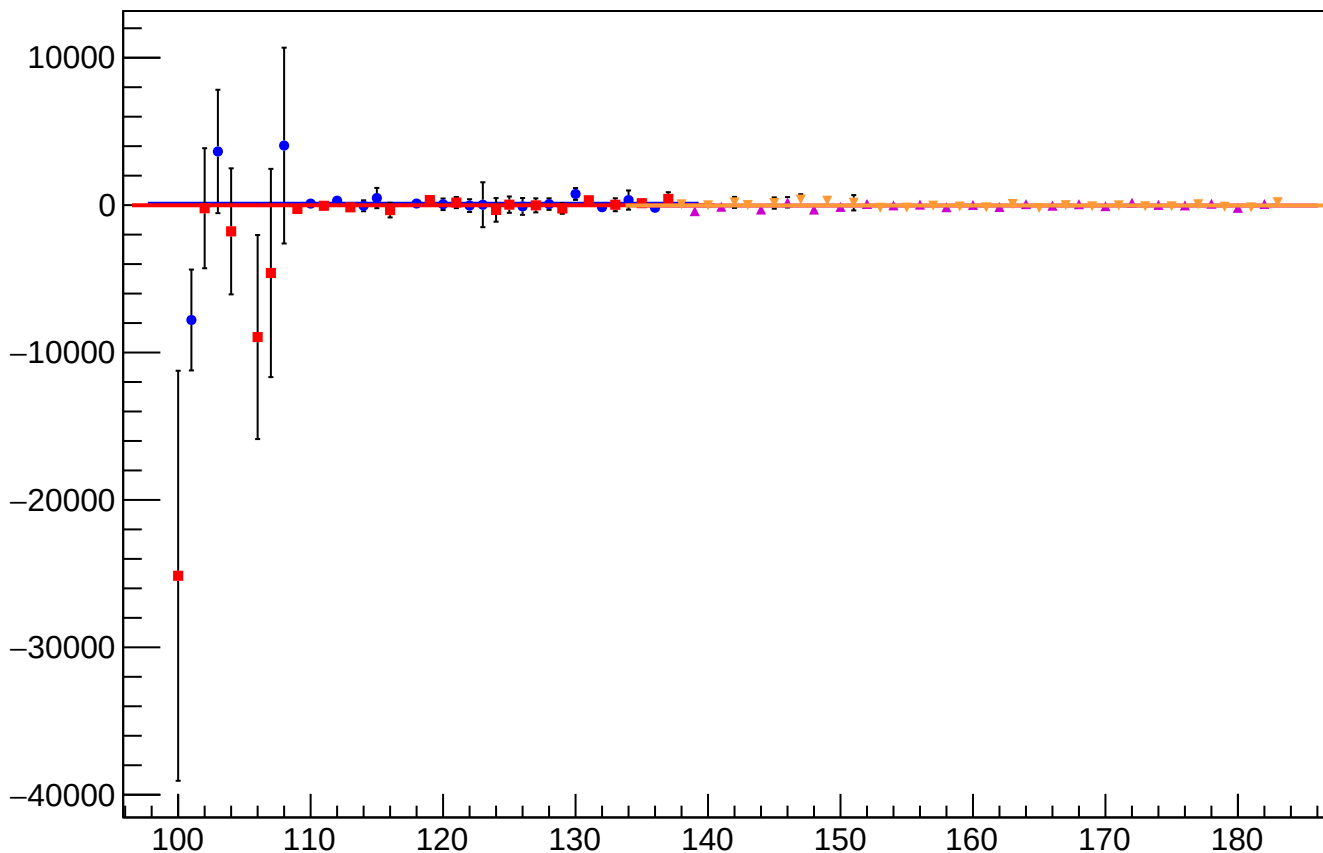
Left In: 28.674 $\pm$ 0.005 χ^2 /NDF: 124743.5/21

+ sign 28.505 $\pm$ 0.004 χ^2 /NDF: 3145078.7/40

All: 28.474 $\pm$ 0.003 χ^2 /NDF: 6756155.0/81

- sign 28.442 $\pm$ 0.004 χ^2 /NDF: 3610965.7/40

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 93.587 $\pm$ 88.455 χ^2 /NDF: 12.8/16

Left Out: -22.783 $\pm$ 48.703 χ^2 /NDF: 7.7/23

Right Out: -9.682 $\pm$ 80.708 χ^2 /NDF: 12.8/18

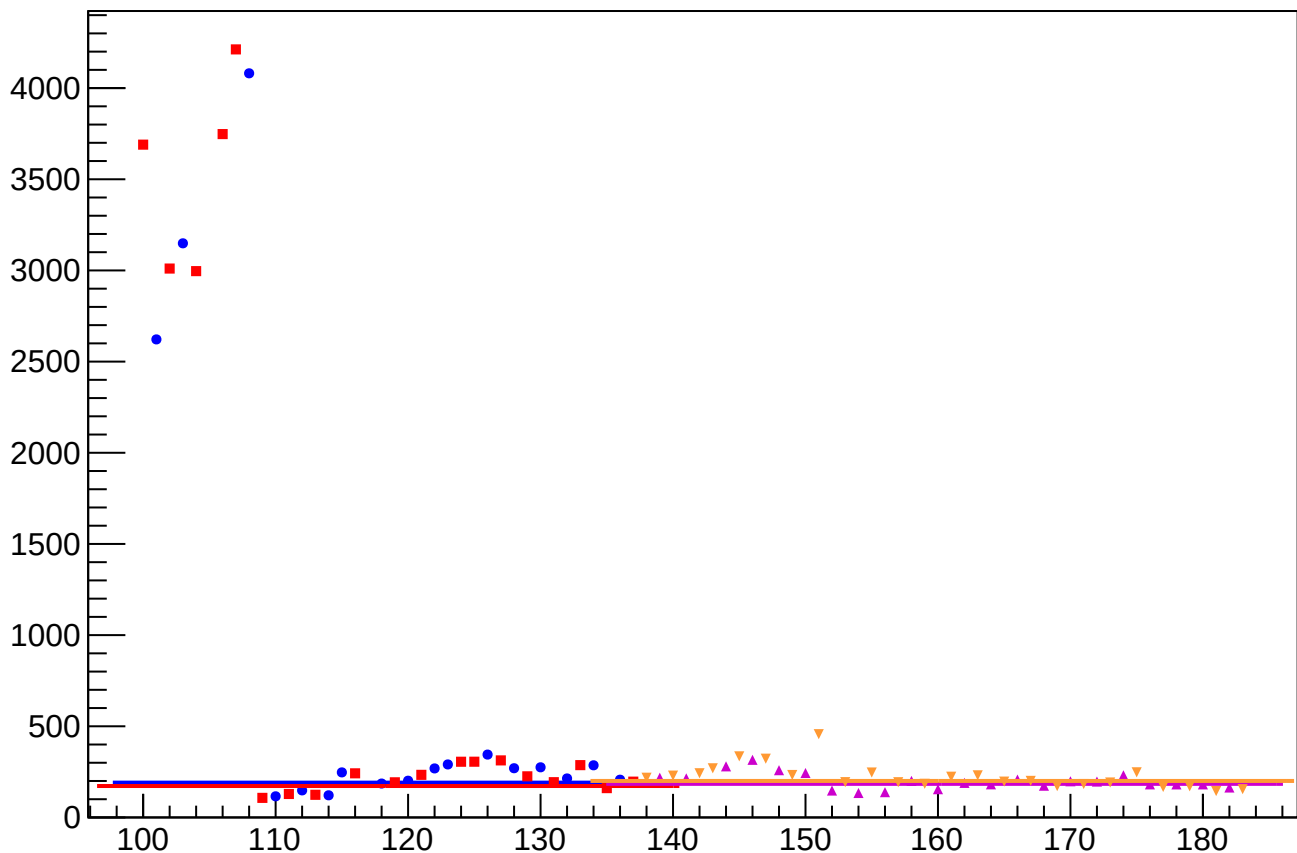
Left In: -28.547 $\pm$ 46.326 χ^2 /NDF: 7.8/21

+ sign 4.289 $\pm$ 42.664 χ^2 /NDF: 21.8/40

All: -10.636 $\pm$ 29.249 χ^2 /NDF: 42.7/81

- sign -23.872 $\pm$ 40.178 χ^2 /NDF: 20.6/40

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.997 $\pm$ 0.063 χ^2 /NDF: 3587805.7/16

Left Out: 200.222 $\pm$ 0.034 χ^2 /NDF: 1836119.3/23

Right Out: 172.430 $\pm$ 0.057 χ^2 /NDF: 4212918.4/18

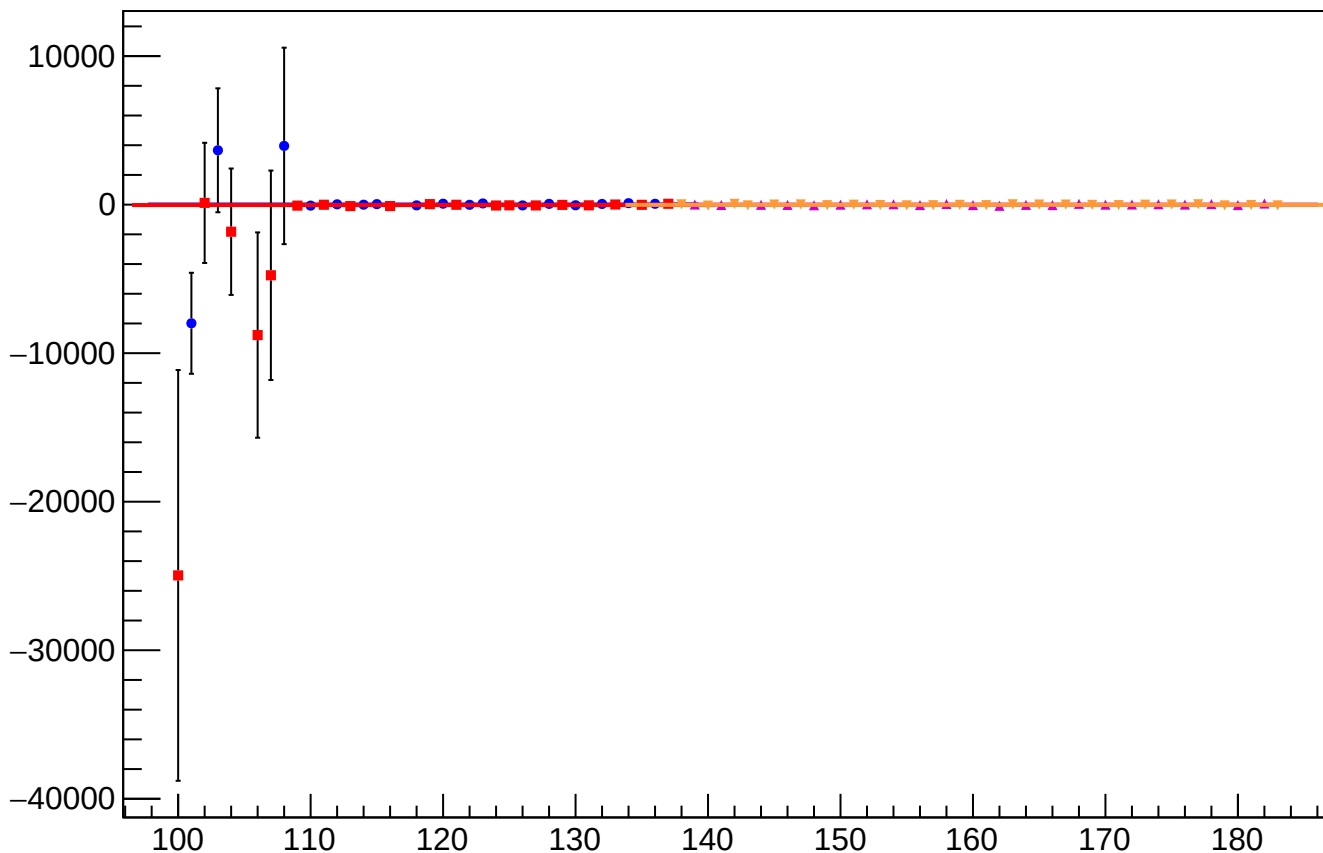
Left In: 184.279 $\pm$ 0.033 χ^2 /NDF: 1407894.8/21

+ sign 198.076 $\pm$ 0.030 χ^2 /NDF: 5440616.1/40

All: 189.207 $\pm$ 0.021 χ^2 /NDF: 11256914.2/81

- sign 181.342 $\pm$ 0.028 χ^2 /NDF: 5653237.1/40

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 7.963 $\pm$ 12.403 χ^2 /NDF: 22.9/16

Left Out: -14.445 $\pm$ 6.770 χ^2 /NDF:17.0/23

Right Out: -28.182 $\pm$ 12.369 χ^2 /NDF: 16.5/18

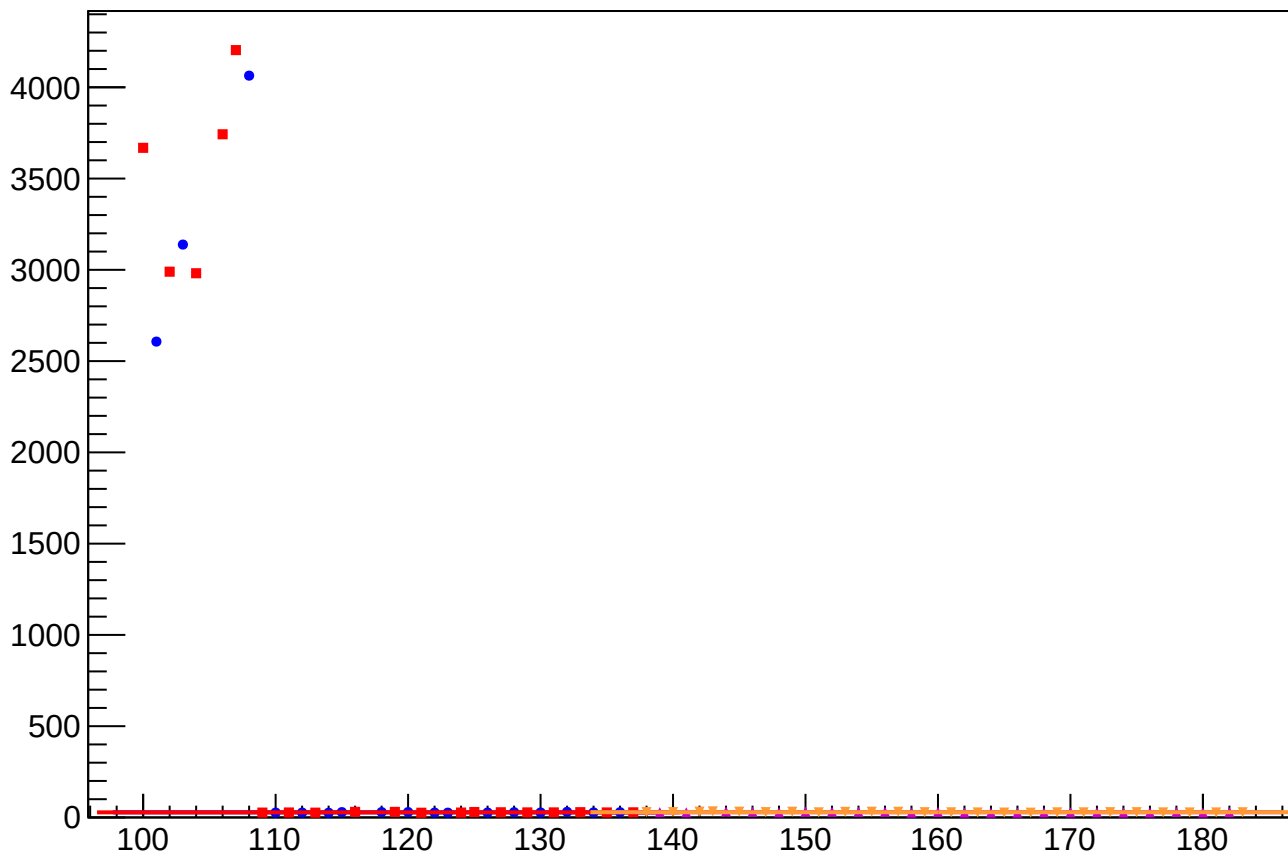
Left In: 0.424 $\pm$ 6.968 χ^2 /NDF:26.3/21

+ sign -9.301 $\pm$ 5.943 χ^2 /NDF: 42.3/40

All: -7.914 $\pm$ 4.247 χ^2 /NDF: 89.3/81

- sign -6.466 $\pm$ 6.071 χ^2 /NDF: 46.8/40

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.059 $\pm$ 0.009 χ^2 /NDF: 3028297.0/16

Left Out: 28.818 $\pm$ 0.005 χ^2 /NDF: 121891.6/23

Right Out: 27.935 $\pm$ 0.009 χ^2 /NDF: 3479859.0/18

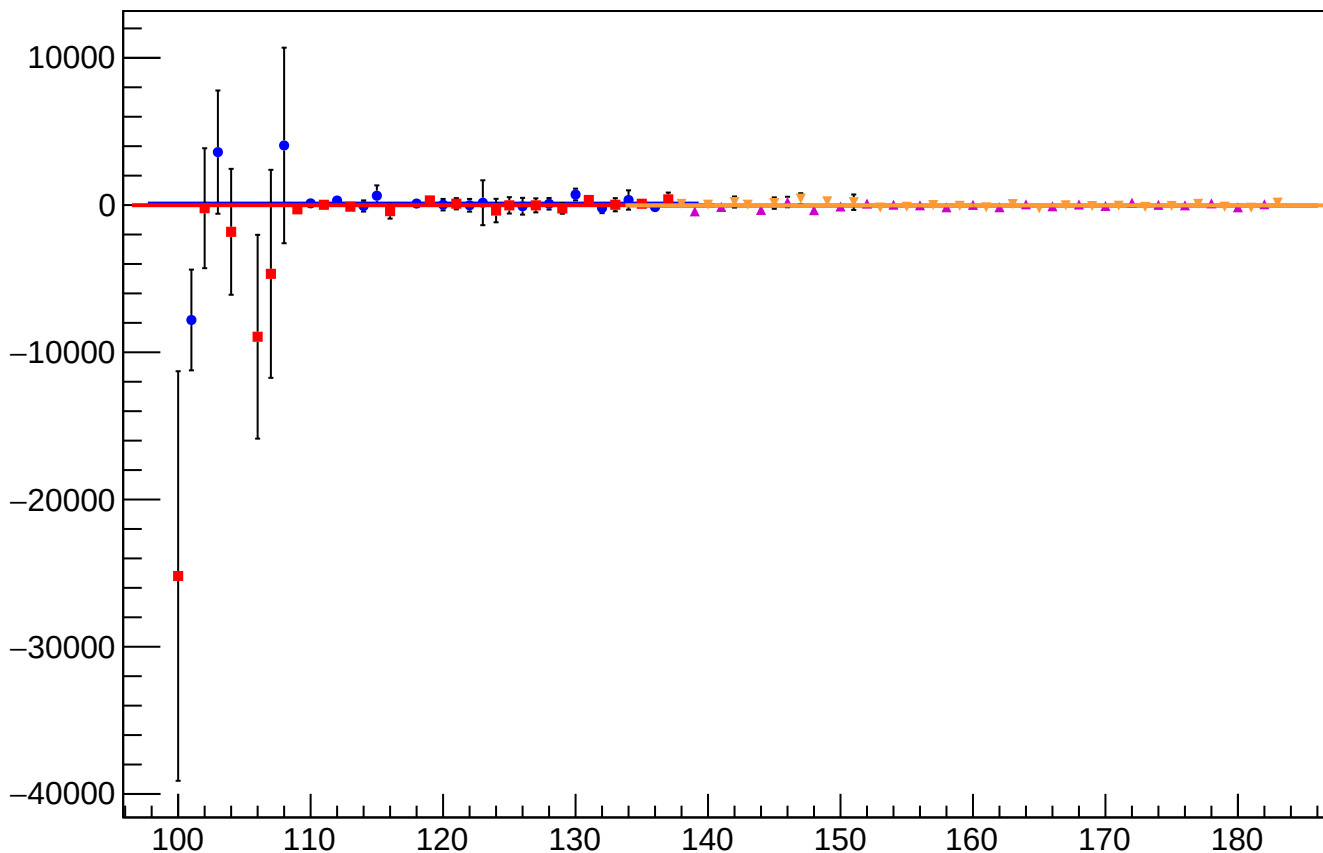
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 129352.3/21

+ sign 28.644 $\pm$ 0.004 χ^2 /NDF: 3155956.8/40

All: 28.617 $\pm$ 0.003 χ^2 /NDF: 6772609.4/81

- sign 28.589 $\pm$ 0.004 χ^2 /NDF: 3616570.3/40

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 99.706 $\pm$ 89.513 χ^2 /NDF: 12.6/16

Left Out: -20.159 $\pm$ 49.283 χ^2 /NDF: 7.6/23

Right Out: -8.453 $\pm$ 81.796 χ^2 /NDF: 12.3/18

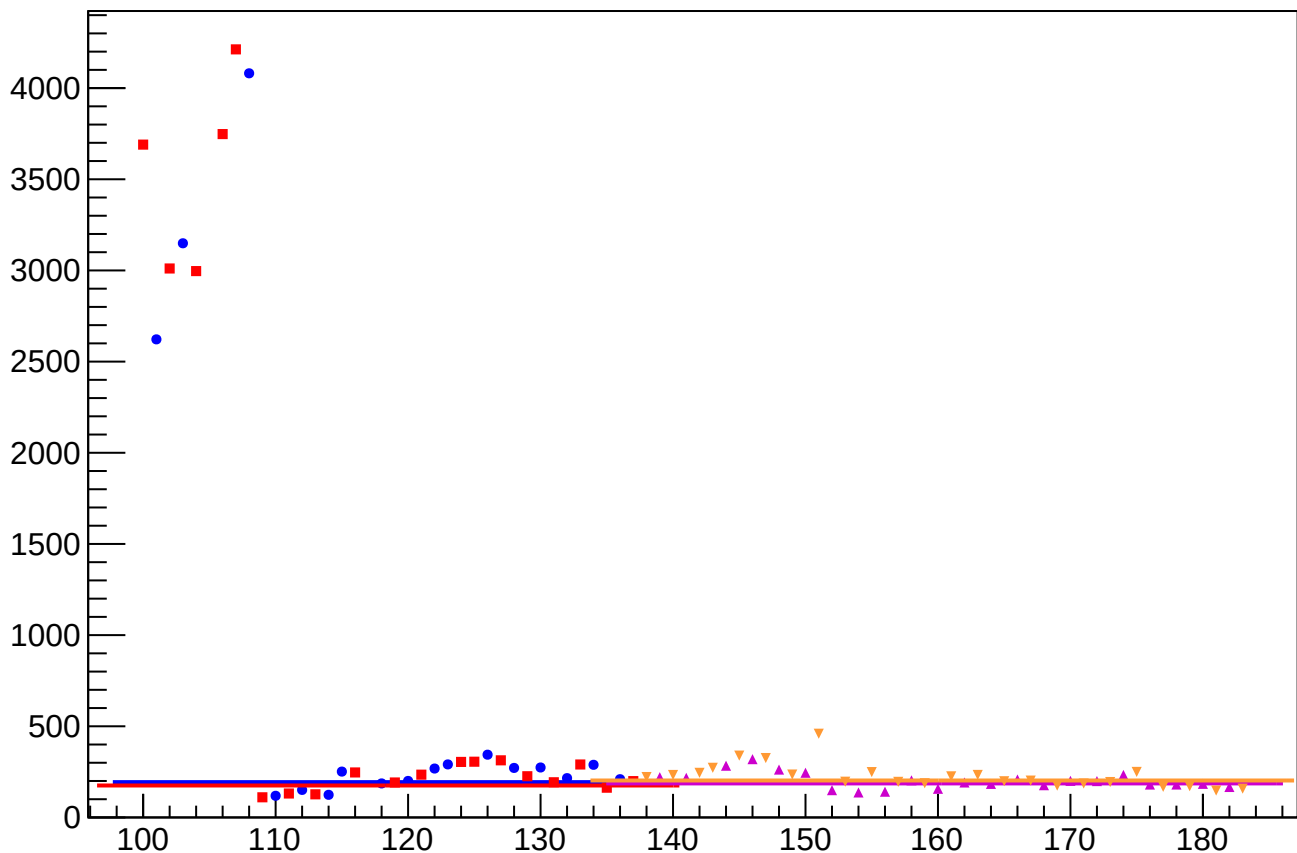
Left In: -32.238 $\pm$ 46.902 χ^2 /NDF: 8.1/21

+ sign 7.724 $\pm$ 43.172 χ^2 /NDF: 21.6/40

All: -10.323 $\pm$ 29.610 χ^2 /NDF: 42.4/81

- sign -26.353 $\pm$ 40.688 χ^2 /NDF: 20.5/40

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.748 $\pm$ 0.063 χ^2 /NDF: 3539977.5/16

Left Out: 202.712 $\pm$ 0.035 χ^2 /NDF: 1815038.8/23

Right Out: 175.305 $\pm$ 0.058 χ^2 /NDF: 4160397.0/18

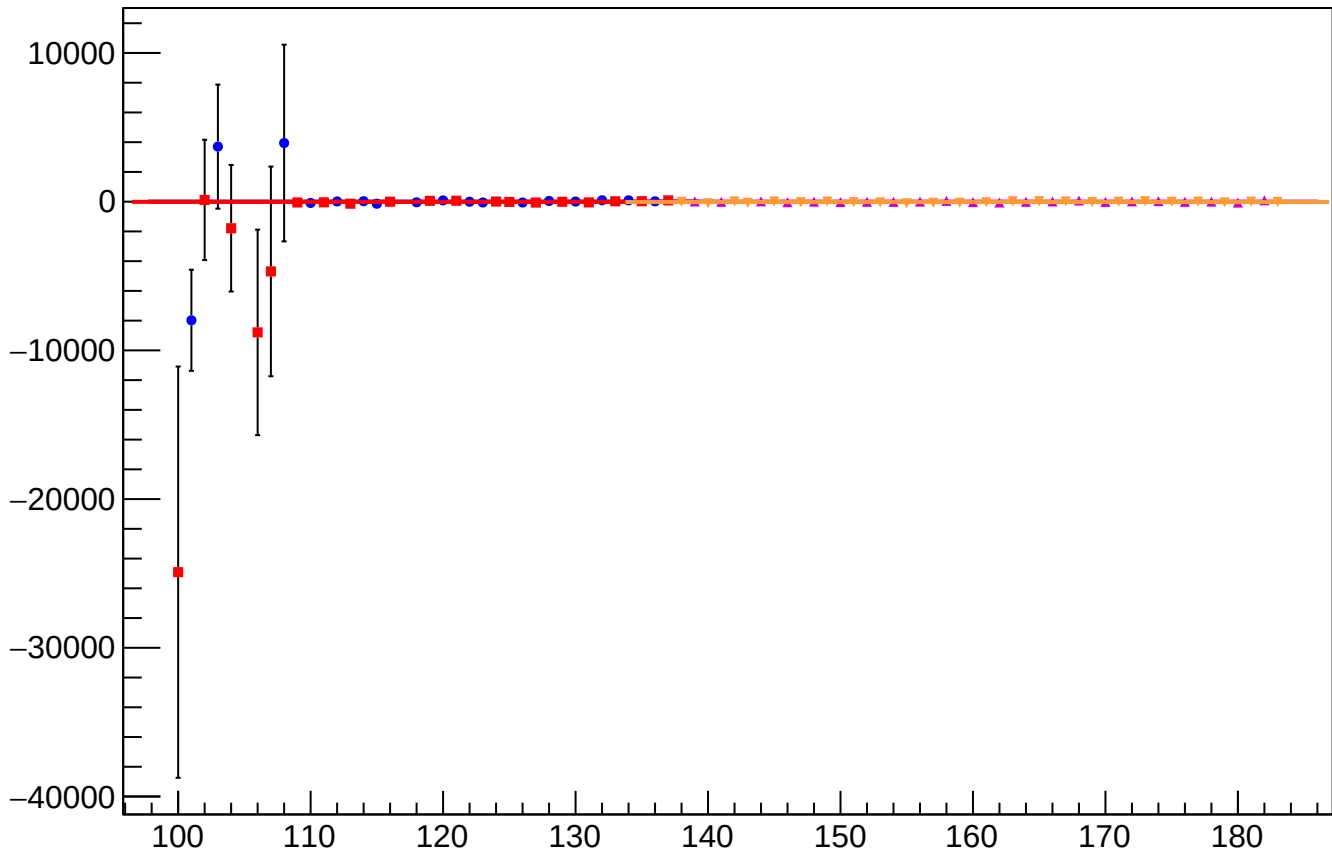
Left In: 186.708 $\pm$ 0.033 χ^2 /NDF: 1377086.1/21

+ sign 200.627 $\pm$ 0.031 χ^2 /NDF: 5370408.9/40

All: 191.761 $\pm$ 0.021 χ^2 /NDF: 11096402.6/81

- sign 183.886 $\pm$ 0.029 χ^2 /NDF: 5566731.8/40

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.968 $\pm$ 15.099 χ^2 /NDF: 20.2/16

Left Out: -24.317 $\pm$ 8.118 χ^2 /NDF:24.8/23

Right Out: -11.301 $\pm$ 14.995 χ^2 /NDF: 21.5/18

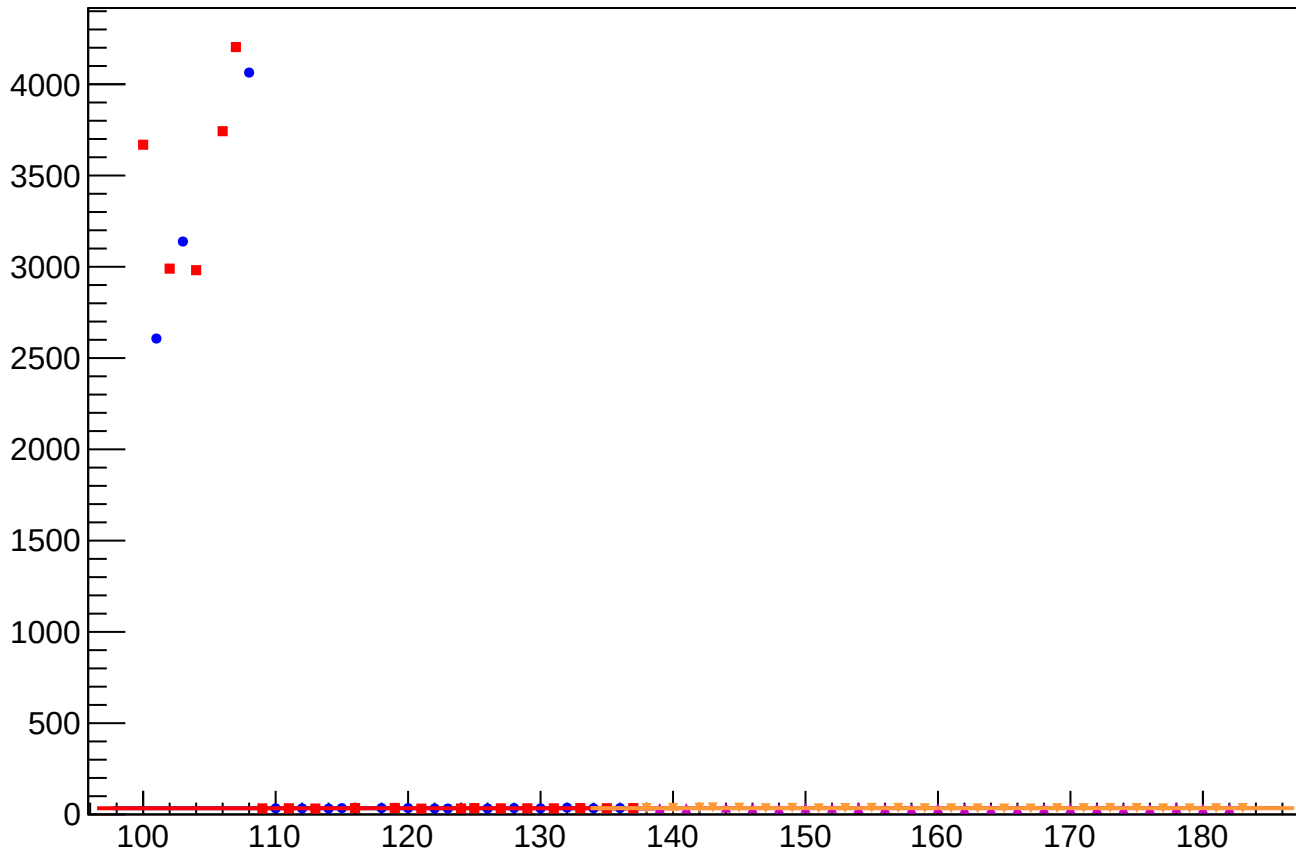
Left In: 5.430 $\pm$ 8.377 χ^2 /NDF:20.8/21

+ sign -17.302 $\pm$ 7.150 χ^2 /NDF: 48.3/40

All: -8.137 $\pm$ 5.112 χ^2 /NDF: 94.9/81

- sign 1.451 $\pm$ 7.313 χ^2 /NDF: 43.3/40

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.196 $\pm$ 0.011 χ^2 /NDF: 3006449.1/16

Left Out: 34.608 $\pm$ 0.006 χ^2 /NDF: 57852.6/23

Right Out: 33.933 $\pm$ 0.011 χ^2 /NDF: 3452016.9/18

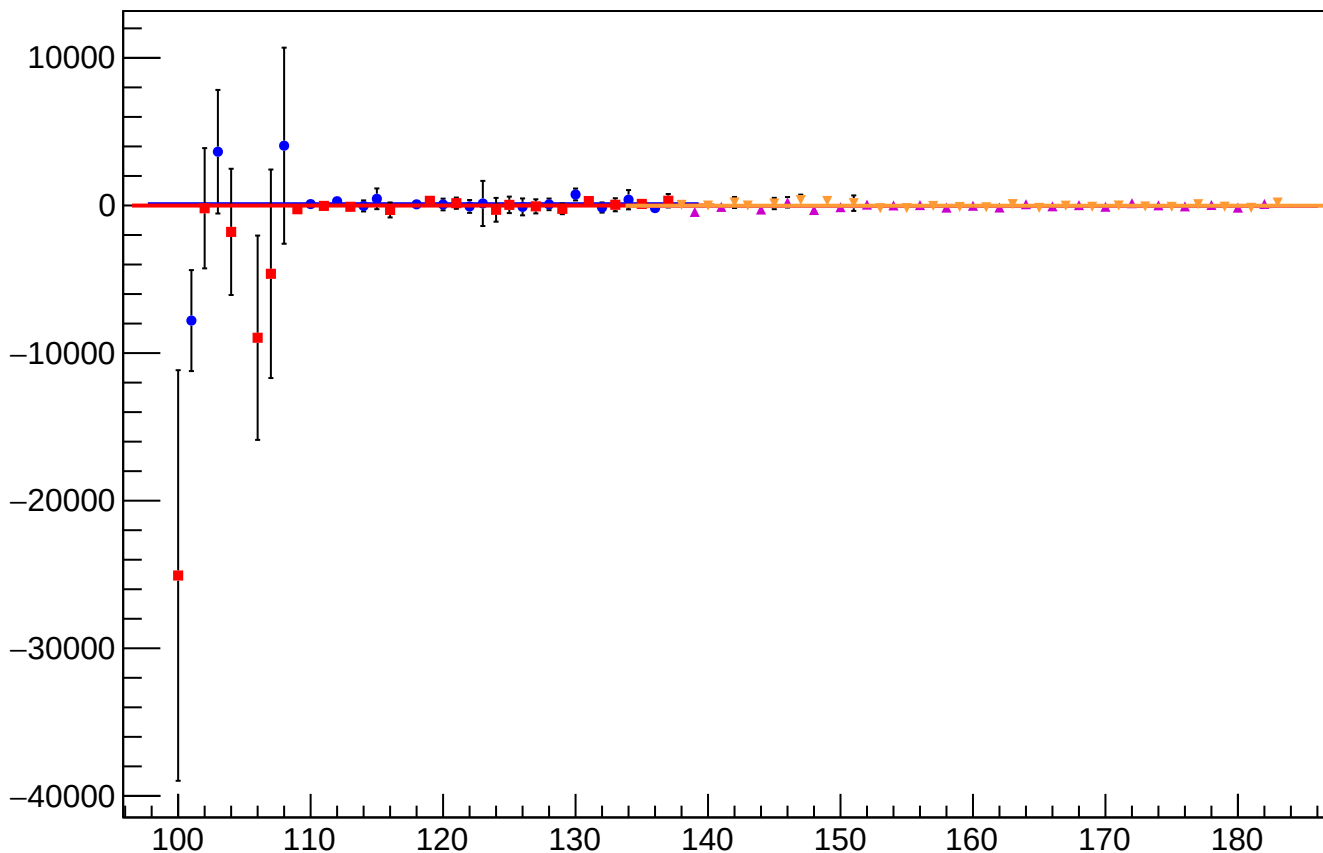
Left In: 34.681 $\pm$ 0.006 χ^2 /NDF: 60286.3/21

+ sign 34.516 $\pm$ 0.005 χ^2 /NDF: 3065454.5/40

All: 34.510 $\pm$ 0.004 χ^2 /NDF: 6581554.5/81

- sign 34.503 $\pm$ 0.005 χ^2 /NDF: 3516096.9/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 87.034+/-89.059 χ^2/NDF : 12.5/16

Left Out: -16.562+/-49.214 χ^2/NDF : 7.6/23

Right Out: -5.093+/-81.280 χ^2/NDF : 11.1/18

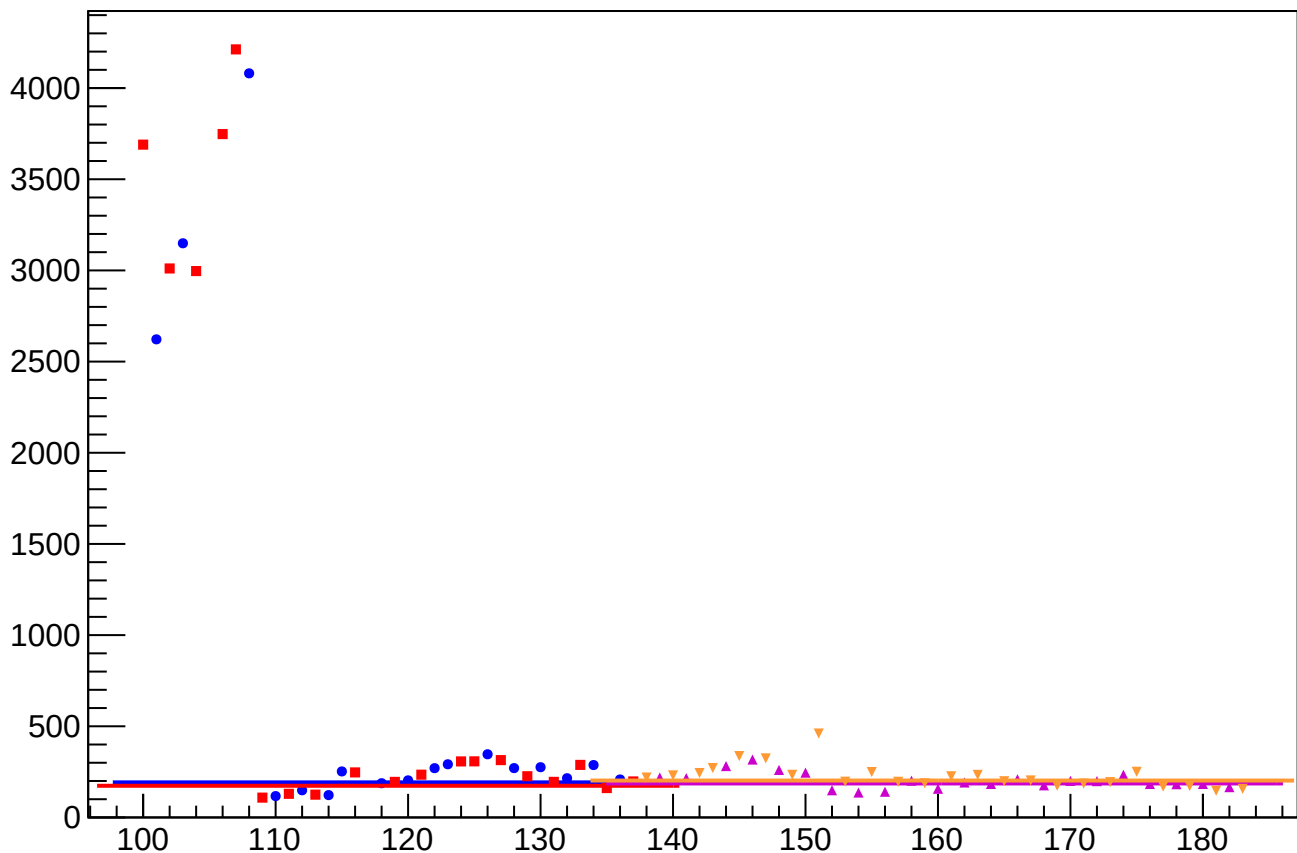
Left In: -36.125+/-46.843 χ^2/NDF : 7.3/21

+ sign 7.672+/-43.074 χ^2/NDF : 21.2/40

All: -11.430+/-29.539 χ^2/NDF : 40.1/81

- sign -28.388+/-40.585 χ^2/NDF : 18.6/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.416+/-0.063 χ^2/NDF : 3577822.3/16

Left Out: 202.429+/-0.035 χ^2/NDF : 1807315.0/23

Right Out: 173.760+/-0.057 χ^2/NDF : 4205861.6/18

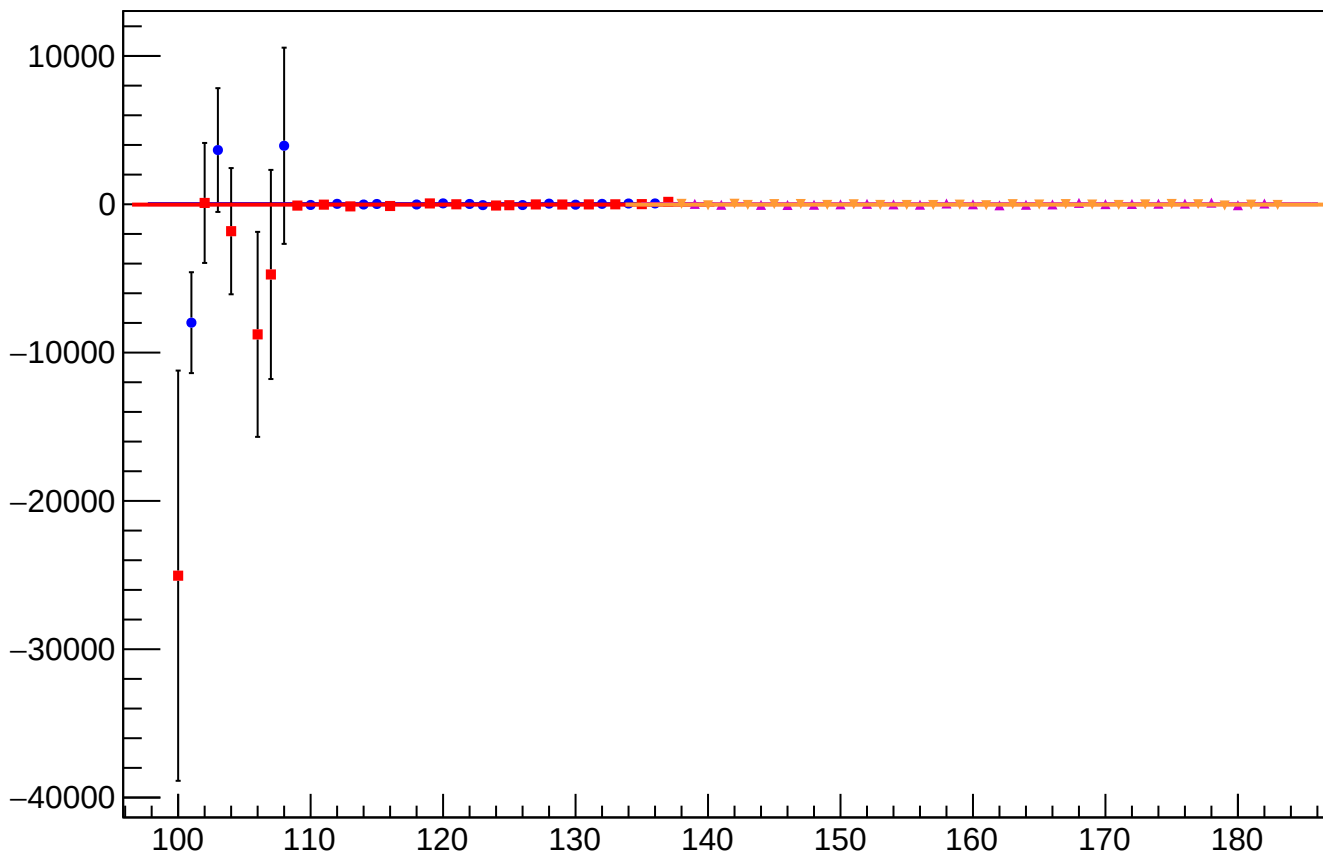
Left In: 186.473+/-0.033 χ^2/NDF : 1366718.8/21

+ sign 200.087+/-0.030 χ^2/NDF : 5404506.1/40

All: 191.196+/-0.021 χ^2/NDF : 11174656.9/81

- sign 183.303+/-0.029 χ^2/NDF : 5609307.2/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.332+/-13.769 χ^2/NDF : 14.5/16

Left Out: -22.123+/-7.389 χ^2/NDF :18.0/23

Right Out: -22.098+/-13.701 χ^2/NDF : 27.9/18

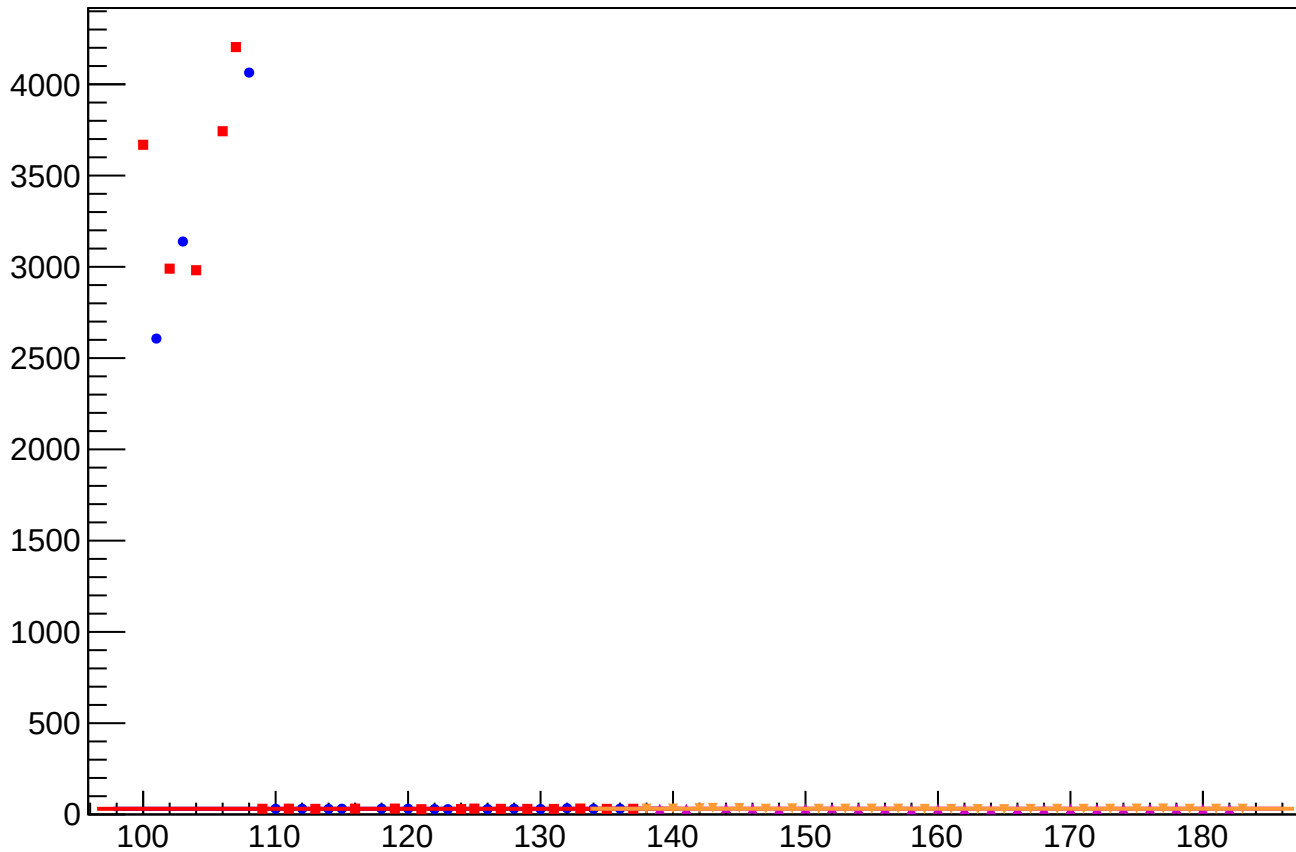
Left In: 5.925+/-7.612 χ^2/NDF :38.3/21

+ sign -14.420+/-6.511 χ^2/NDF : 37.4/40

All: -7.701+/-4.653 χ^2/NDF : 108.9/81

- sign -0.684+/-6.654 χ^2/NDF : 69.4/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.184 $\pm$ 0.010 χ^2 /NDF: 3014248.1/16

Left Out: 31.476 $\pm$ 0.005 χ^2 /NDF: 82339.9/23

Right Out: 30.984 $\pm$ 0.010 χ^2 /NDF: 3458879.7/18

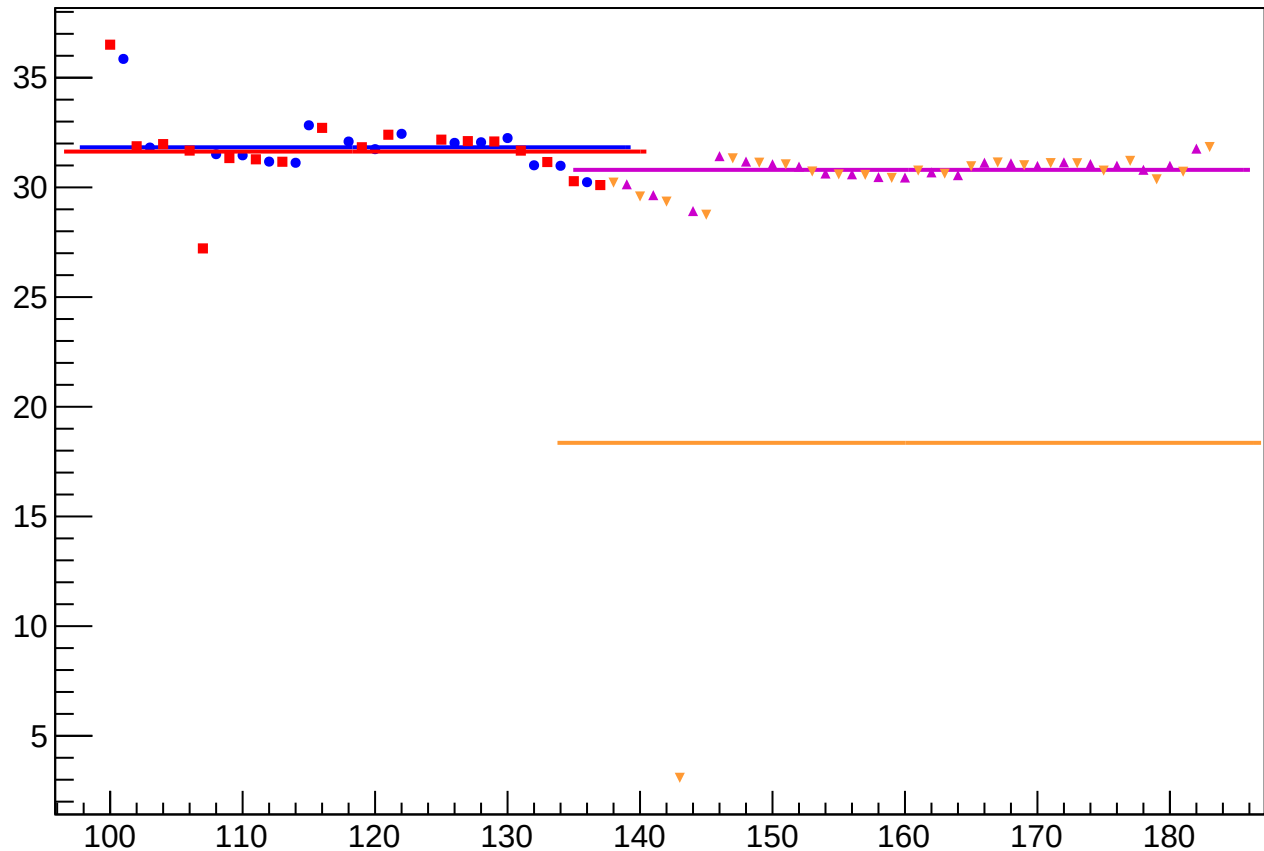
Left In: 31.480 $\pm$ 0.005 χ^2 /NDF: 87946.5/21

+ sign 31.411 $\pm$ 0.005 χ^2 /NDF: 3097284.0/40

All: 31.388 $\pm$ 0.003 χ^2 /NDF: 6646165.0/81

- sign 31.363 $\pm$ 0.005 χ^2 /NDF: 3548829.5/40

yield_usl_mean vs Slug



Right In: 31.828+/-0.000 χ^2/NDF : 1553310195.5/15

Left Out: 18.356+/-0.000 χ^2/NDF : 930421974352.8/23

Right Out: 31.633+/-0.000 χ^2/NDF : 860874235.3/17

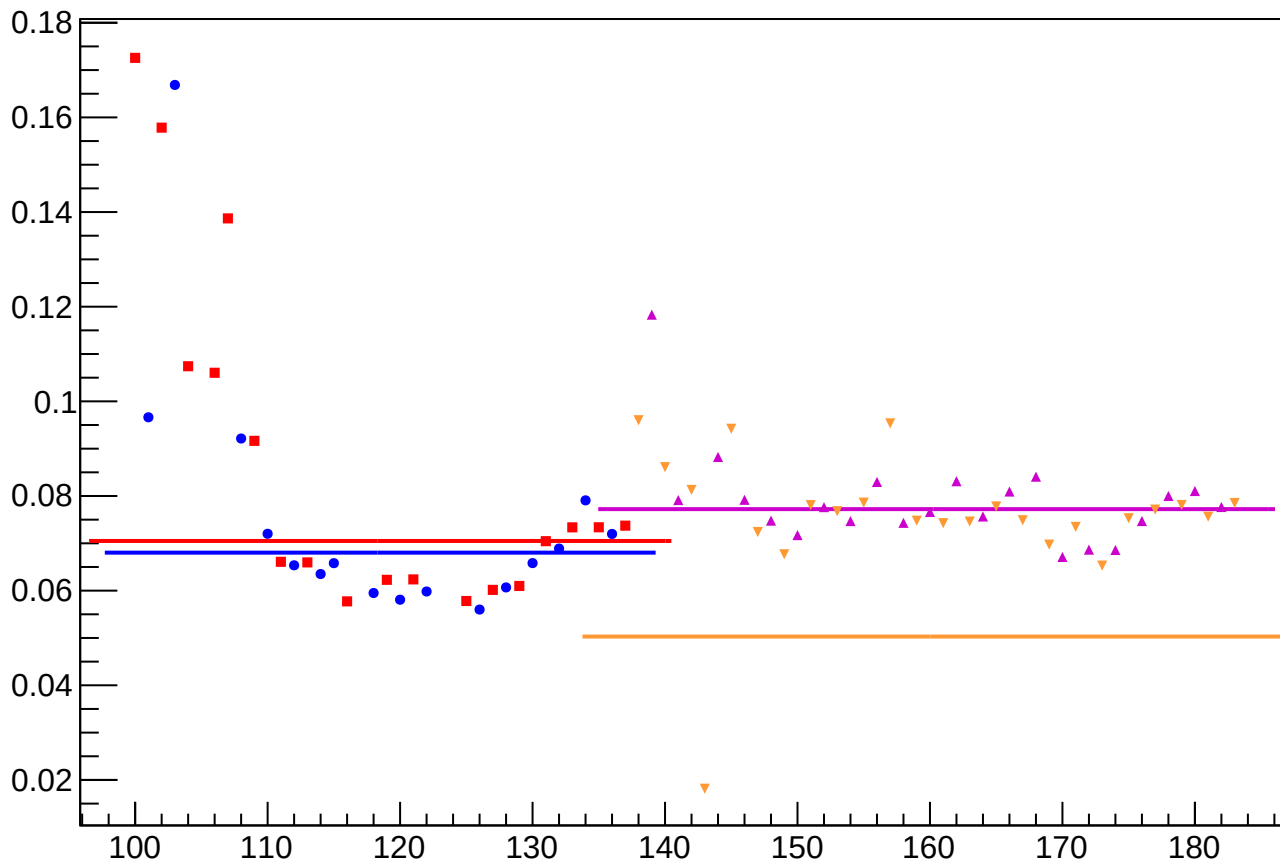
Left In: 30.800+/-0.000 χ^2/NDF : 809683221.3/21

+ sign 21.080+/-0.000 χ^2/NDF : 1112051649764.7/3

All: 24.892+/-0.000 χ^2/NDF : 1348236493594

- sign 31.060+/-0.000 χ^2/NDF : 2237030662.5/39

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 632212.4/15

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF:8513535.6/23

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 838852.0/17

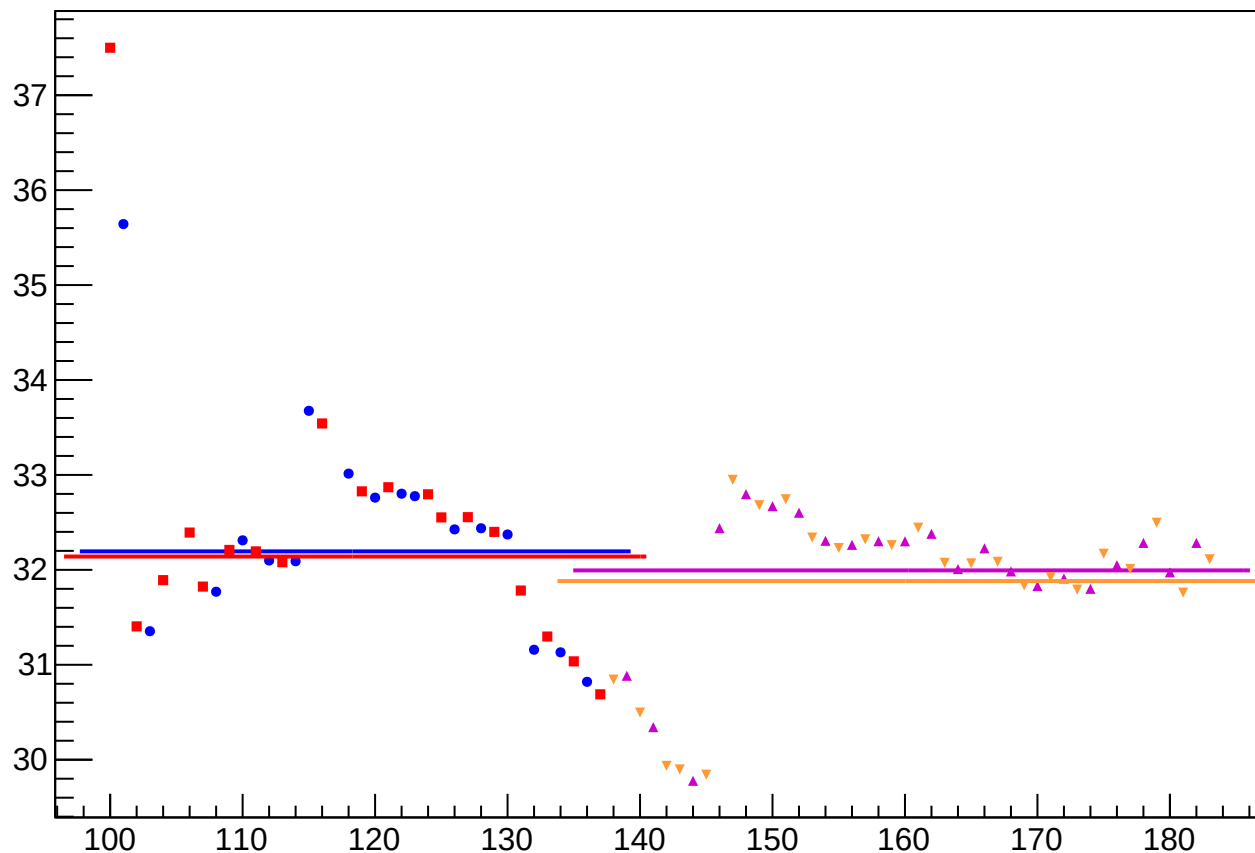
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:320941.8/21

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 9769786.7/39

All: 0.062 $\pm$ 0.000 χ^2 /NDF: 13123521.1/79

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 1233621.1/39

yield_usr_mean vs Slug



Right In: 32.195+/-0.000 χ^2/NDF : 1002008039.3/16

Left Out: 31.882+/-0.000 χ^2/NDF : 1975293519.4/23

Right Out: 32.140+/-0.000 χ^2/NDF : 421423009.8/18

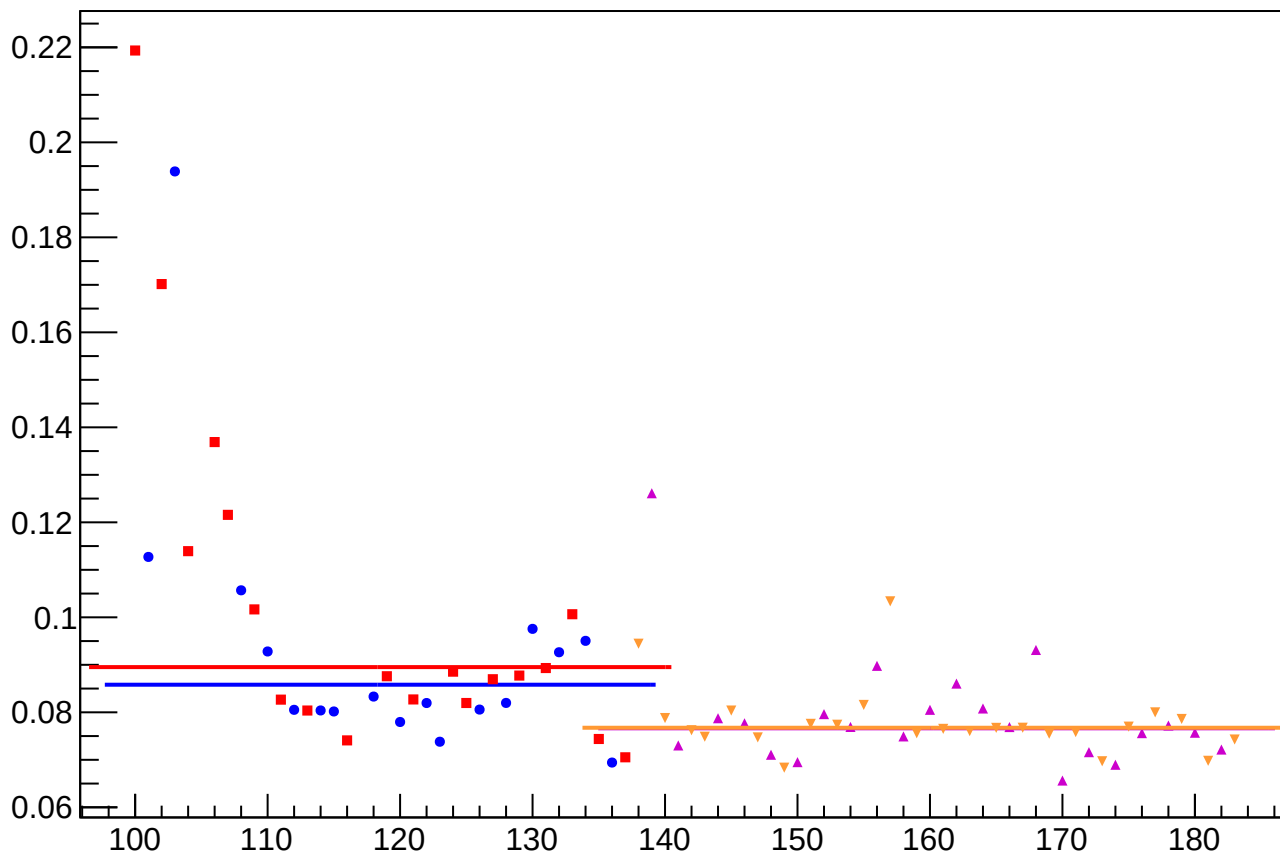
Left In: 31.994+/-0.000 χ^2/NDF : 1404180199.7/21

+ sign 31.950+/-0.000 χ^2/NDF : 3037447211.1/40

All: 31.987+/-0.000 χ^2/NDF : 4886198469.7/8

- sign 32.027+/-0.000 χ^2/NDF : 1838307650.3/40

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2/NDF : 554772.3/16

Left Out: 0.086 $\pm$ 0.000 χ^2/NDF : 554772.3/16

Right Out: 0.090 $\pm$ 0.000 χ^2/NDF : 539119.2/18

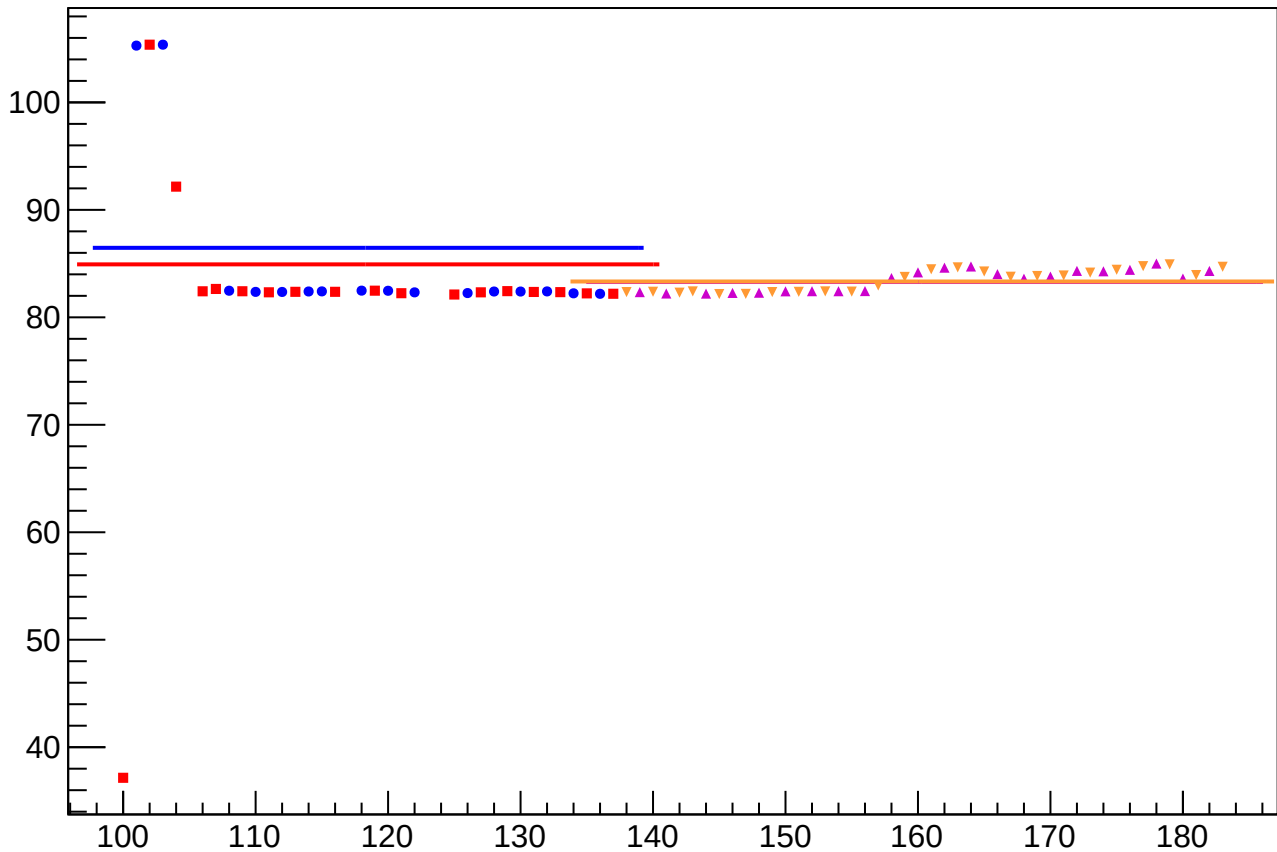
Left In: 0.077 $\pm$ 0.000 χ^2/NDF : 427819.6/21

+ sign 0.079 $\pm$ 0.000 χ^2/NDF : 857116.8/40

All: 0.079 $\pm$ 0.000 χ^2/NDF : 2023910.4/81

- sign 0.079 $\pm$ 0.000 χ^2/NDF : 1164771.6/40

yield_dsl_mean vs Slug



Right In: 86.468 +/- 0.000 χ^2/NDF : 291253714999.8/15

Left Out: 83.335 +/- 0.000 χ^2/NDF : 8870918393.5/23

Right Out: 84.929 +/- 0.000 χ^2/NDF : 172101973960.6/17

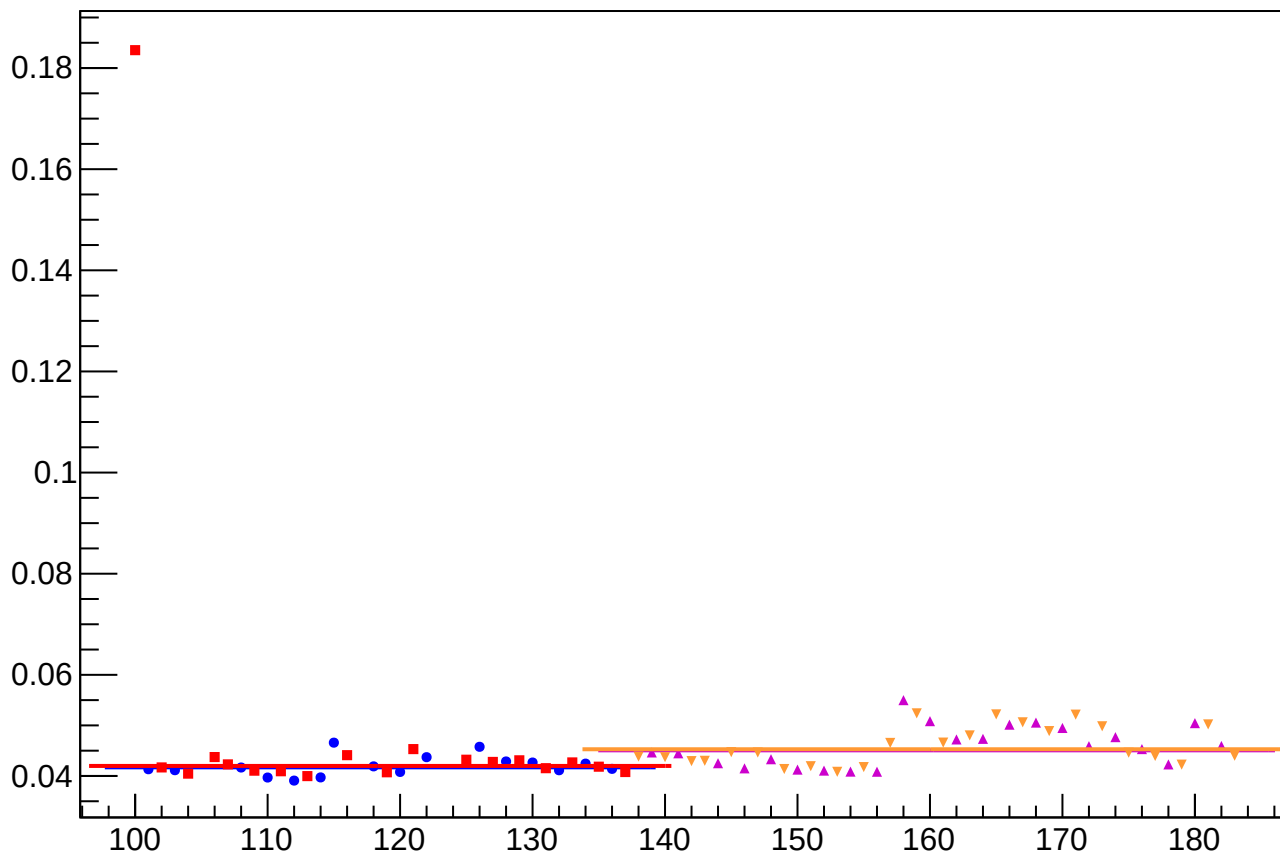
Left In: 83.286 +/- 0.000 χ^2/NDF : 8098399974.2/21

+ sign 84.288 +/- 0.000 χ^2/NDF : 325784587329.5/39

All: 84.054 +/- 0.000 χ^2/NDF : 514482215900.0

- sign 83.814 +/- 0.000 χ^2/NDF : 187324512544.6/39

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 19442.4/15

Left Out: 0.045+/-0.000 χ^2/NDF : 209742.9/23

Right Out: 0.042+/-0.000 χ^2/NDF : 96987.8/17

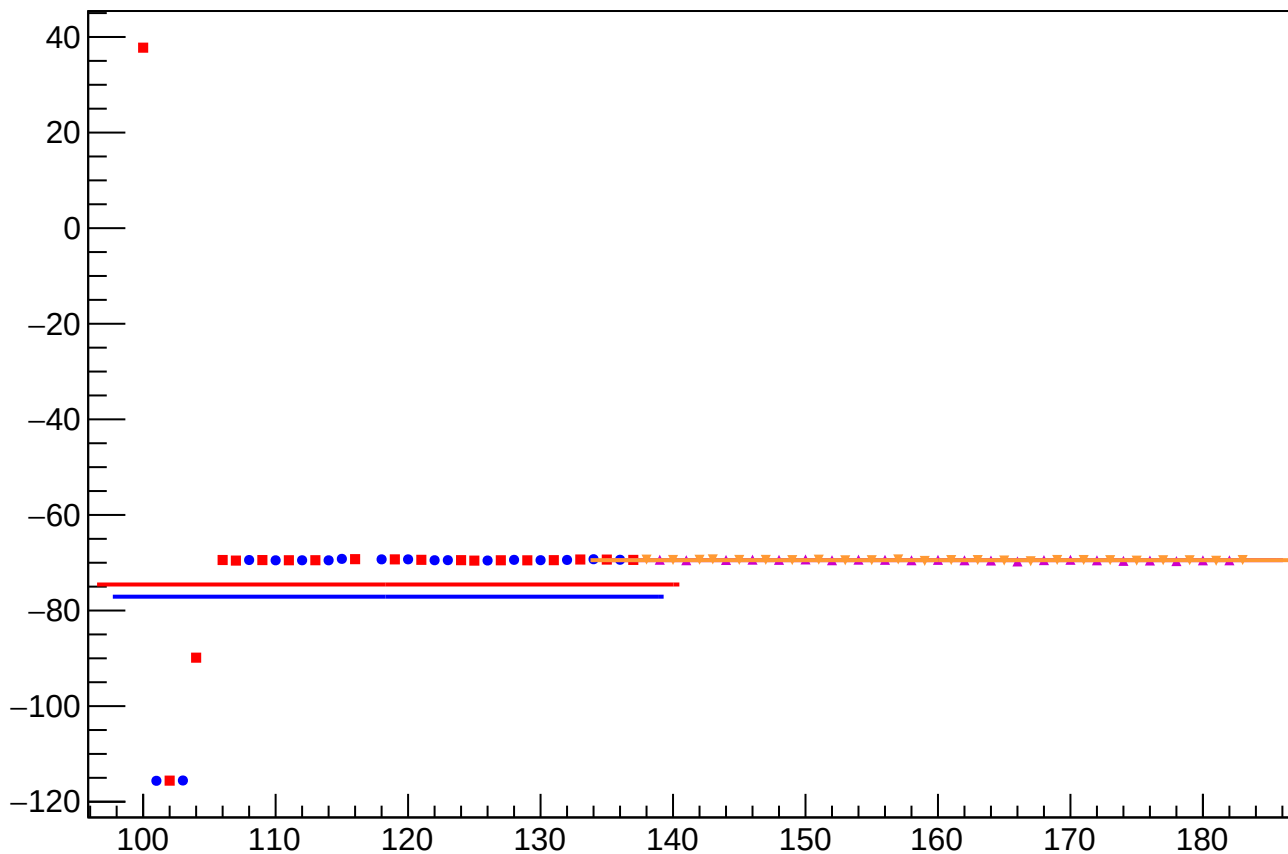
Left In: 0.045+/-0.000 χ^2/NDF : 236630.2/21

+ sign 0.044+/-0.000 χ^2/NDF : 295933.9/39

All: 0.044+/-0.000 χ^2/NDF : 680092.8/79

- sign 0.044+/-0.000 χ^2/NDF : 383996.0/39

yield_dsr_mean vs Slug



Right In: -77.101+/-0.000 χ^2/NDF : 564992278701.1/16

Left Out: -69.463+/-0.000 χ^2/NDF : 48915280.1/23

Right Out: -74.552+/-0.000 χ^2/NDF : 371830924165.2/18

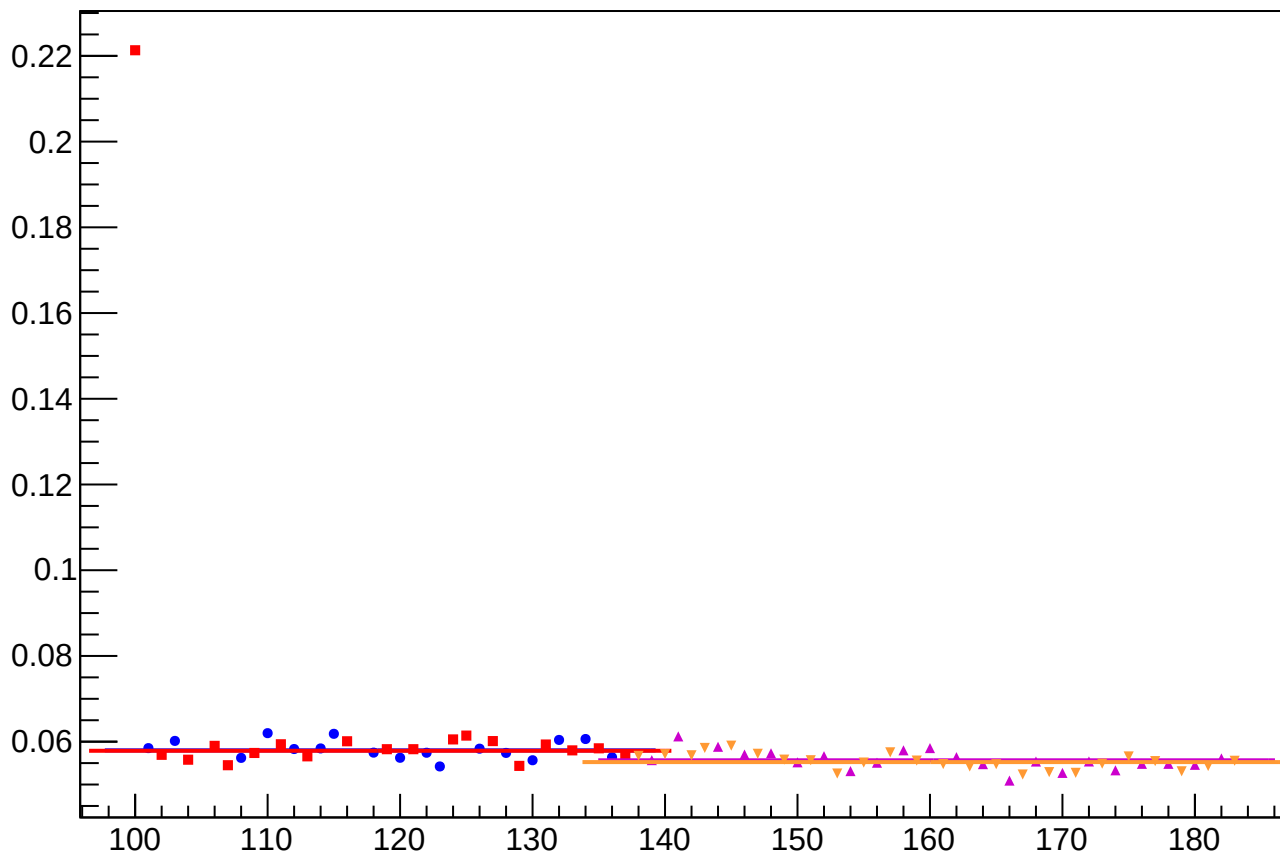
Left In: -69.460+/-0.000 χ^2/NDF : 51964664.6/21

+ sign -71.367+/-0.000 χ^2/NDF : 648631180377.9/4

All: -71.121+/-0.000 χ^2/NDF : 105976375313

- sign -70.866+/-0.000 χ^2/NDF : 410188457264.2/40

yield_dsr_rms vs Slug



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12317.7/16

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38148.9/23

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 87700.9/18

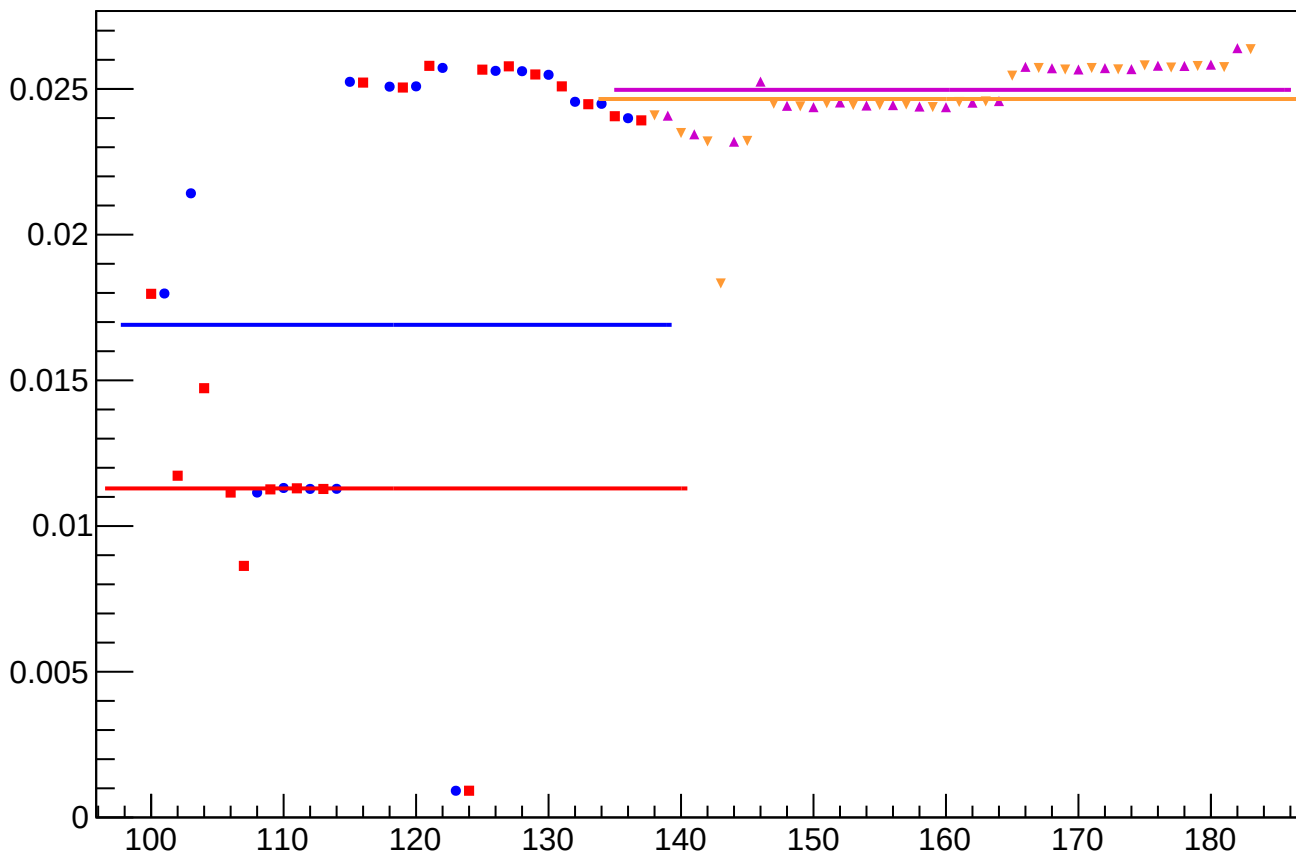
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:50004.0/21

+ sign 0.056 $\pm$ 0.000 χ^2 /NDF: 71927.2/40

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 225112.1/81

- sign 0.056 $\pm$ 0.000 χ^2 /NDF: 152270.6/40

yield_atl1_mean vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 126025885261.2/16

Left Out: 0.025+/-0.000 χ^2/NDF : 9508673173.1/23

Right Out: 0.011+/-0.000 χ^2/NDF : 233231439443.8/18

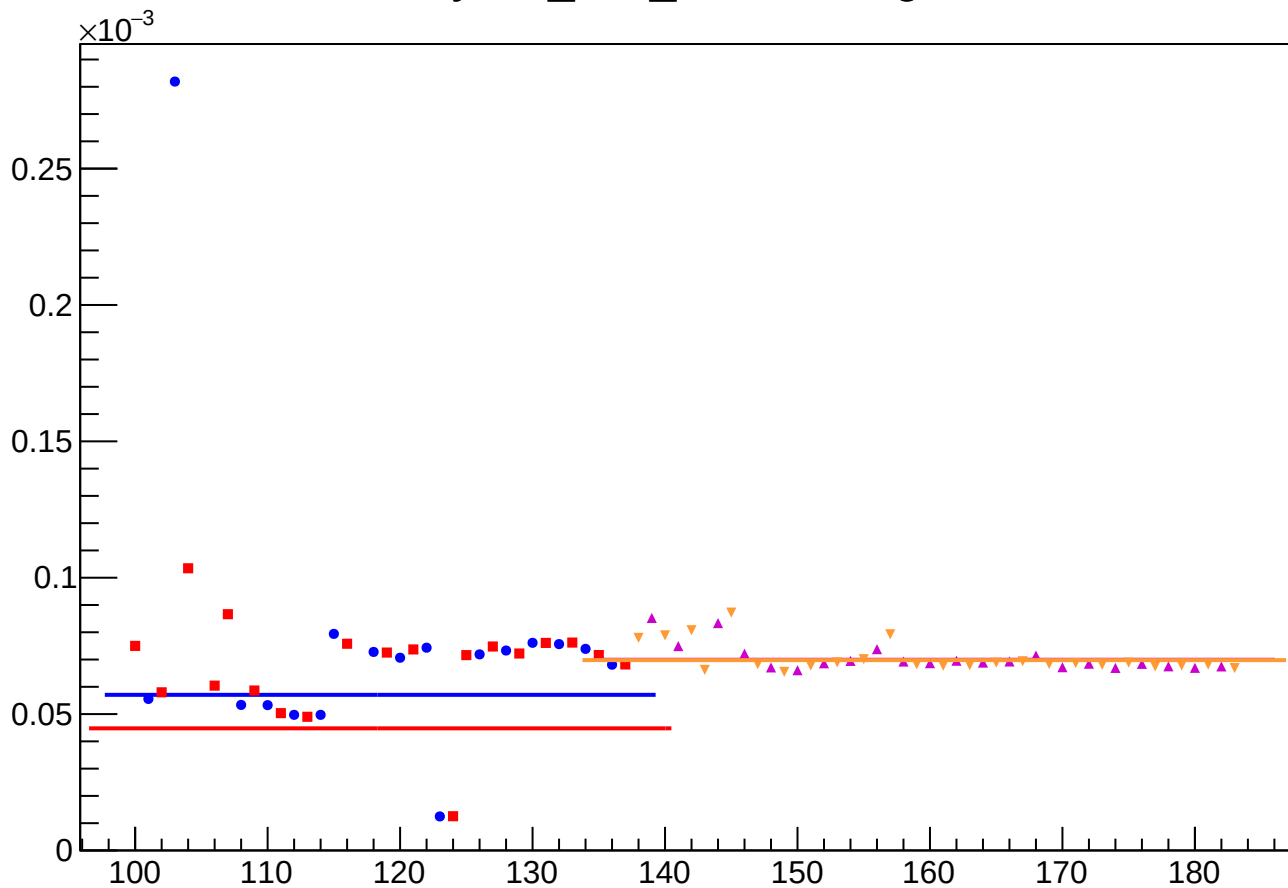
Left In: 0.025+/-0.000 χ^2/NDF : 2333857292.4/21

+ sign 0.022+/-0.000 χ^2/NDF : 204580234079.0/40

All: 0.021+/-0.000 χ^2/NDF : 727233631073.8

- sign 0.019+/-0.000 χ^2/NDF : 500059946142.2/40

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1998313.1/16

Left Out: 0.000+/-0.000 χ^2/NDF : 155801.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 3584797.7/18

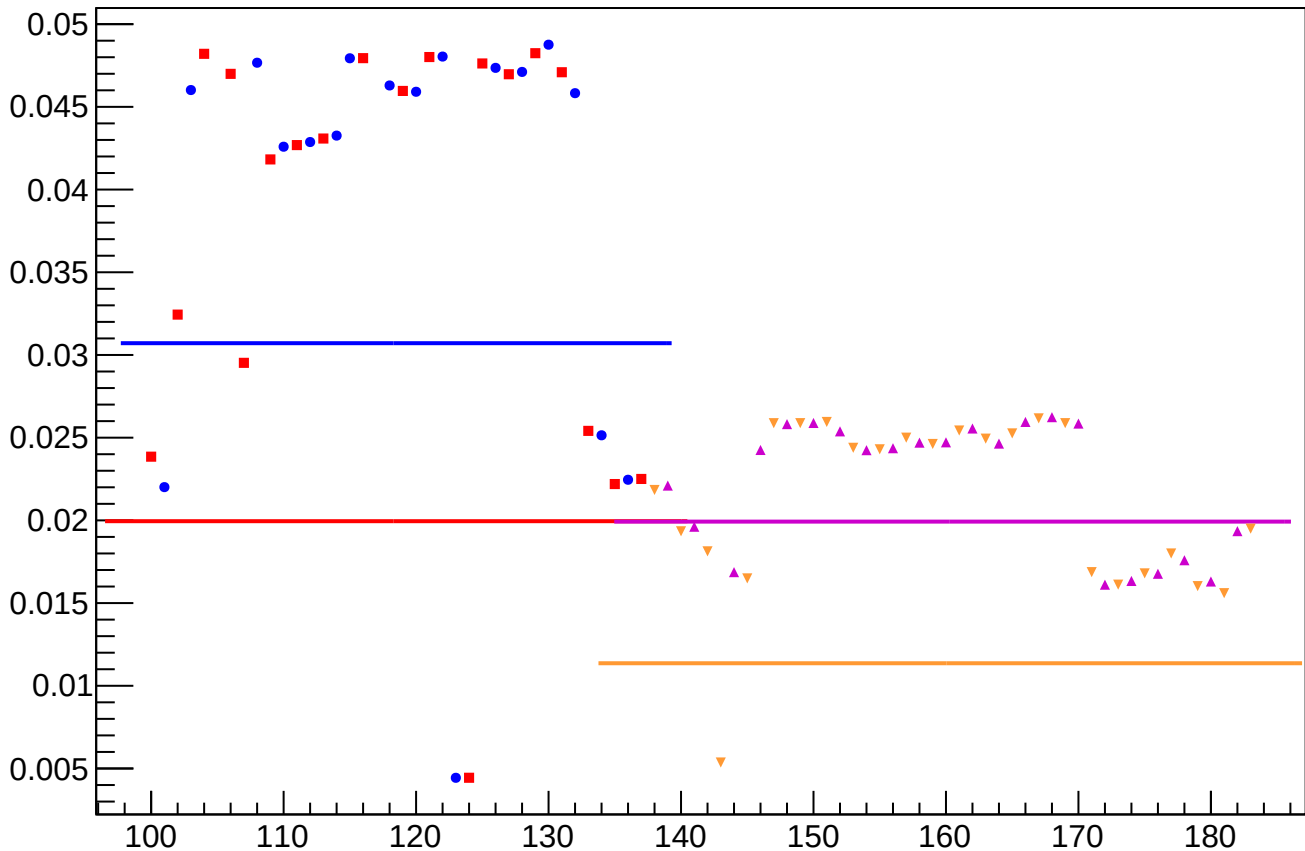
Left In: 0.000+/-0.000 χ^2/NDF : 127700.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 2526475.6/40

All: 0.000+/-0.000 χ^2/NDF : 8238116.5/81

- sign 0.000+/-0.000 χ^2/NDF : 5500503.1/40

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21081896587.0/16

Left Out: 0.011+/-0.000 χ^2/NDF : 39734056018.3/23

Right Out: 0.020+/-0.000 χ^2/NDF : 39758690289.2/18

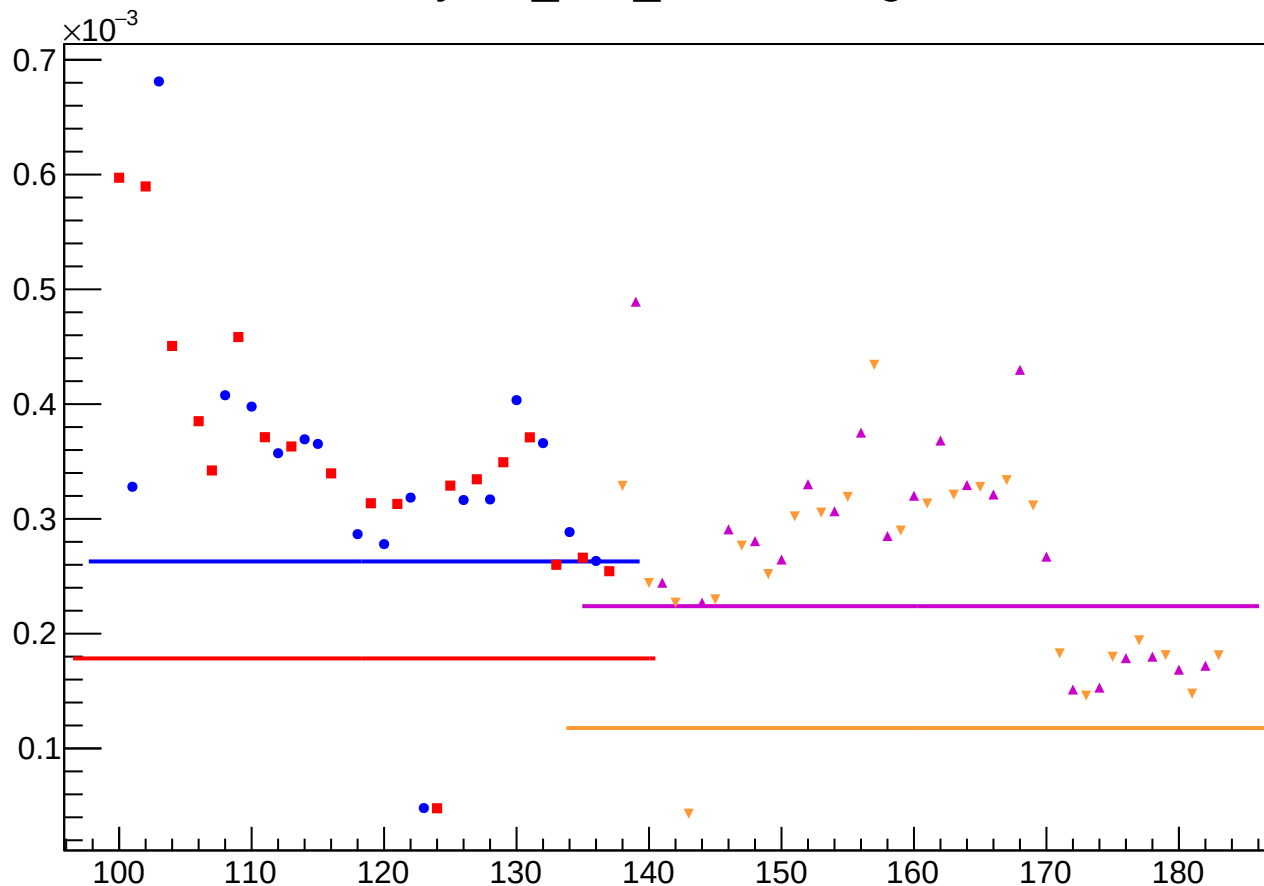
Left In: 0.020+/-0.000 χ^2/NDF : 4447016753.6/21

+ sign 0.013+/-0.000 χ^2/NDF : 84887217083.4/40

All: 0.015+/-0.000 χ^2/NDF : 141380453509.2

- sign 0.020+/-0.000 χ^2/NDF : 44205760274.5/40

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2393587.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :13511204.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 5332040.2/18

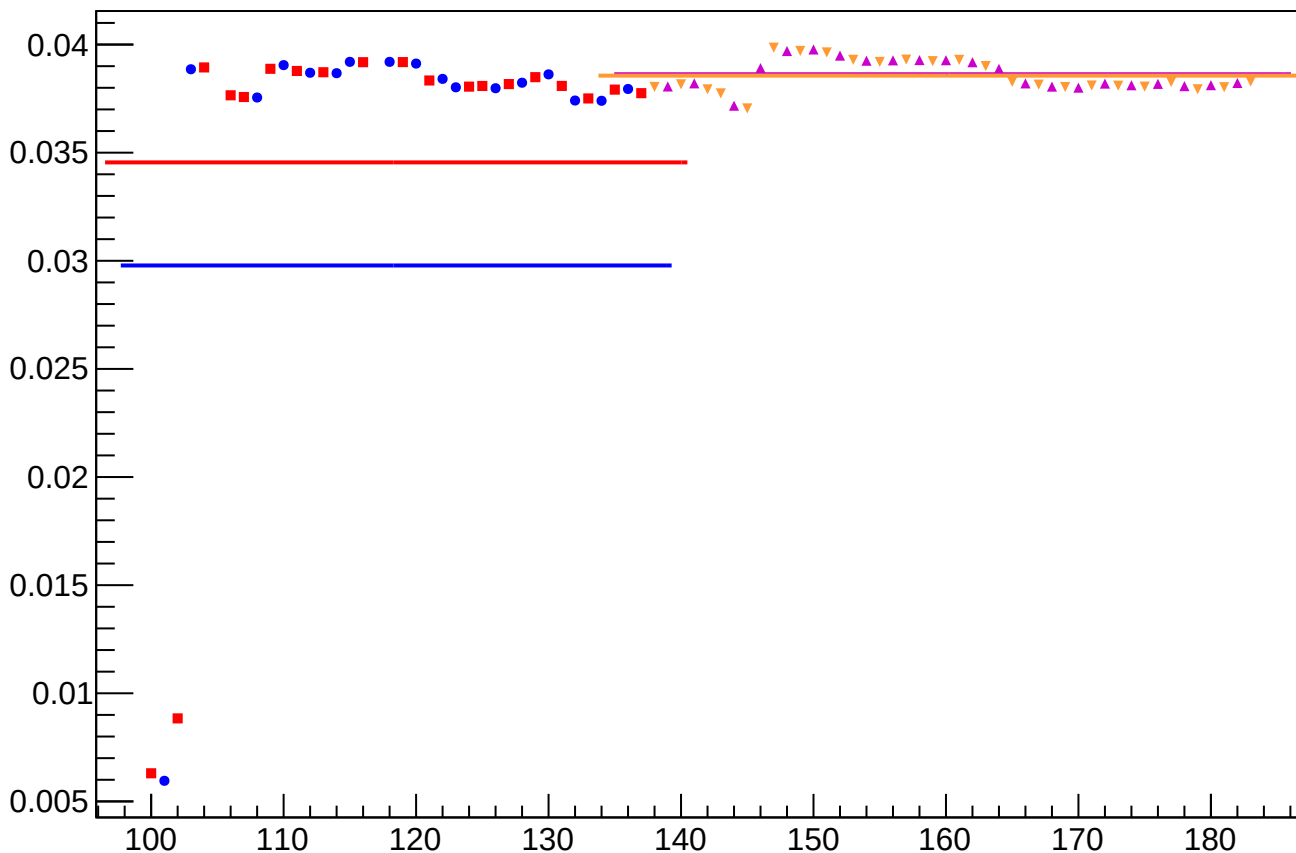
Left In: 0.000+/-0.000 χ^2/NDF :3236661.5/21

+ sign 0.000+/-0.000 χ^2/NDF : 18613464.3/40

All: 0.000+/-0.000 χ^2/NDF : 30887246.3/81

- sign 0.000+/-0.000 χ^2/NDF : 8912159.7/40

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 96939094269.8/16

Left Out: 0.039+/-0.000 χ^2/NDF : 539040043.0/23

Right Out: 0.035+/-0.000 χ^2/NDF : 43542773475.9/18

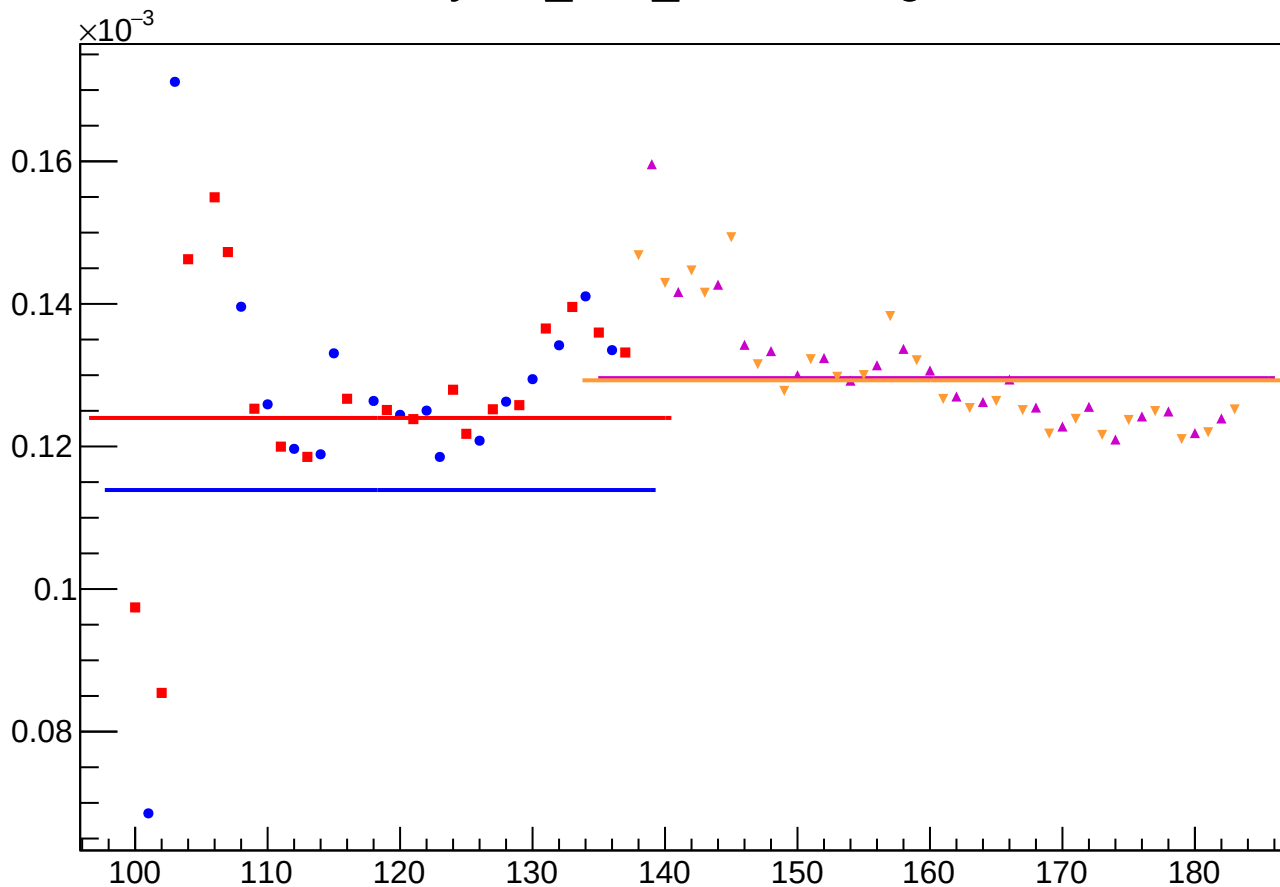
Left In: 0.039+/-0.000 χ^2/NDF : 462066867.7/21

+ sign 0.036+/-0.000 χ^2/NDF : 122651681262.6/40

All: 0.037+/-0.000 χ^2/NDF : 173406725835.2

- sign 0.037+/-0.000 χ^2/NDF : 49013639001.2/40

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 792994.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 127971.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 245068.5/18

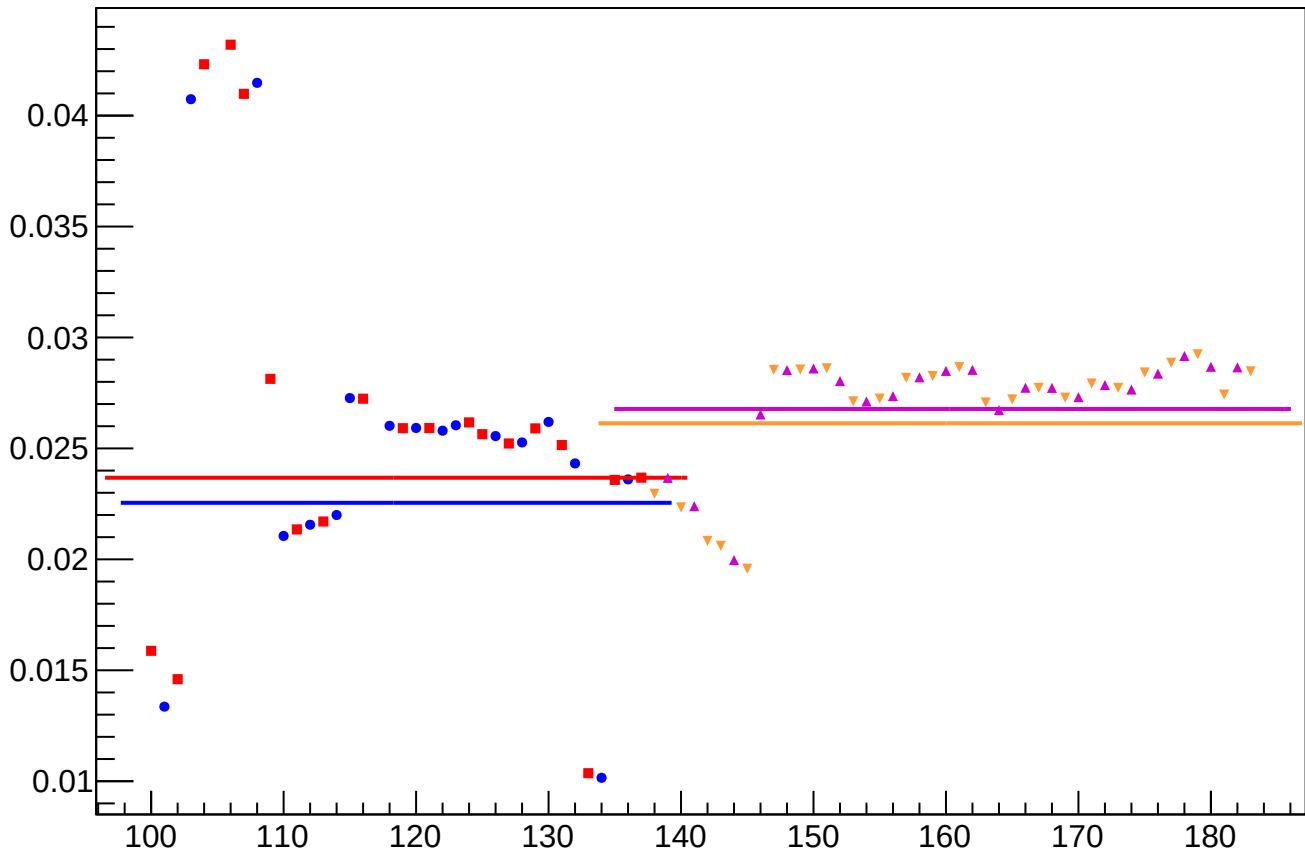
Left In: 0.000+/-0.000 χ^2/NDF : 114350.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 1075732.6/40

All: 0.000+/-0.000 χ^2/NDF : 1470620.3/81

- sign 0.000+/-0.000 χ^2/NDF : 378238.4/40

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4235847516.4/16

Left Out: 0.026+/-0.000 χ^2/NDF : 2040057398.3/23

+ sign 0.025+/-0.000 χ^2/NDF : 7070978515.9/40

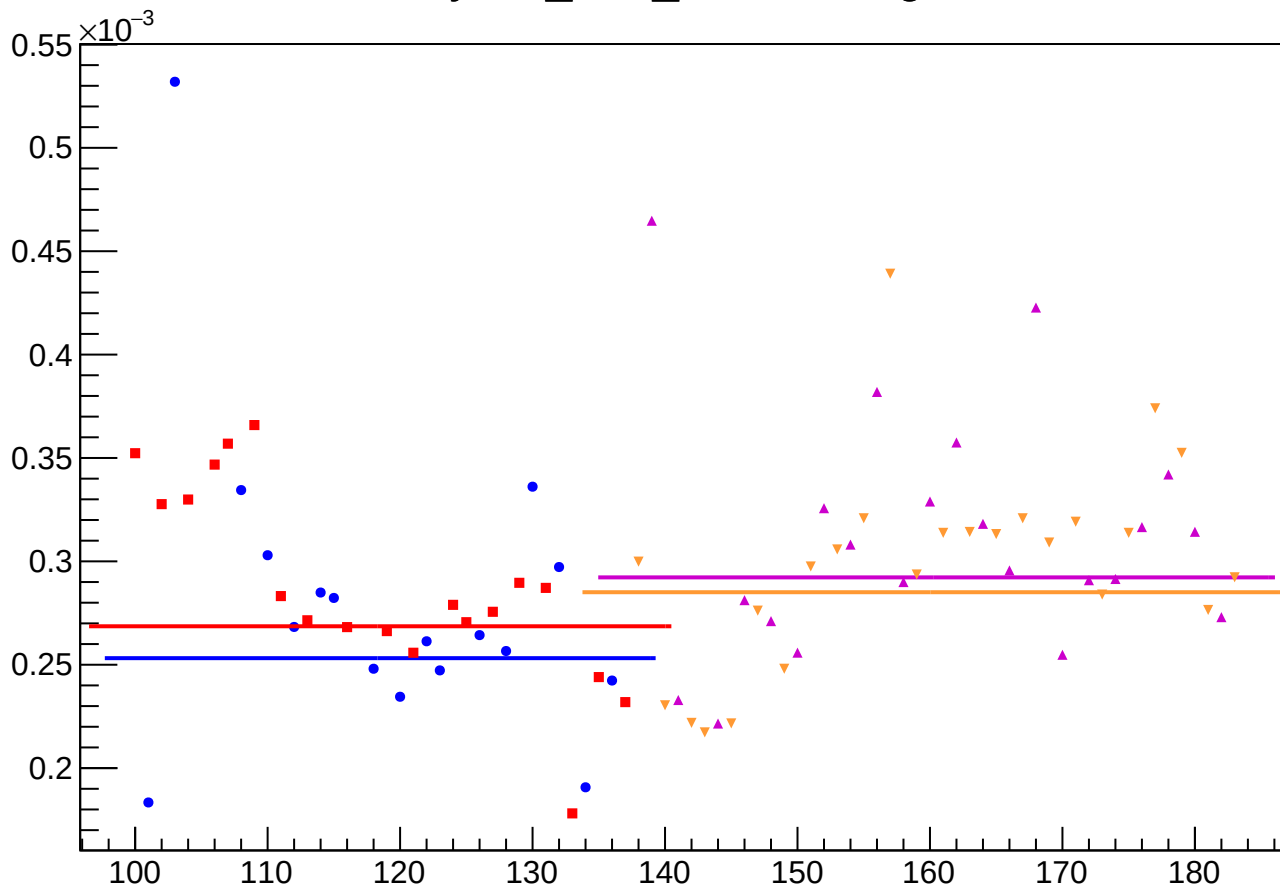
Right Out: 0.024+/-0.000 χ^2/NDF : 5643986297.3/18

All: 0.025+/-0.000 χ^2/NDF : 14679928799.1/8

Left In: 0.027+/-0.000 χ^2/NDF : 1325340907.2/21

- sign 0.026+/-0.000 χ^2/NDF : 7525578322.1/40

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 626352.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 812370.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 428150.4/18

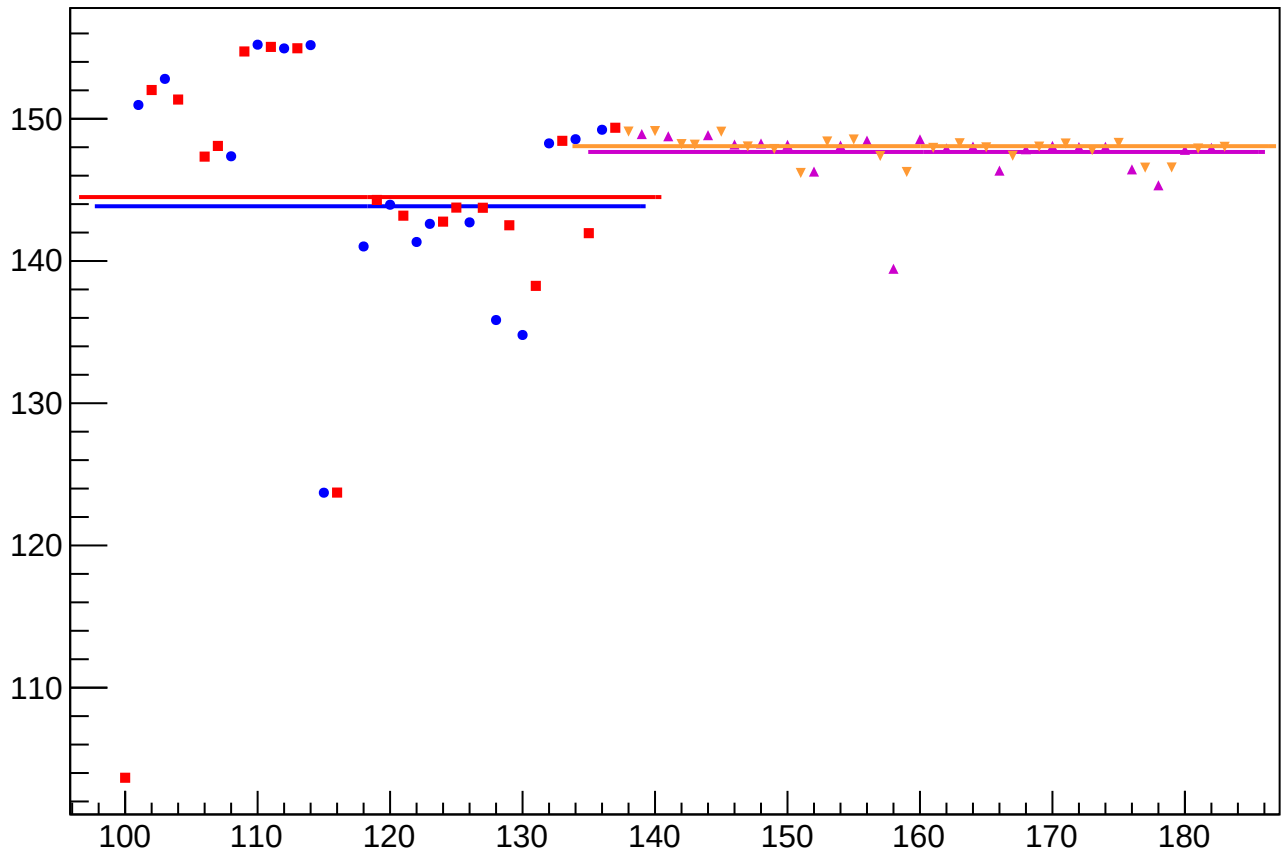
Left In: 0.000+/-0.000 χ^2/NDF : 898595.9/21

+ sign 0.000+/-0.000 χ^2/NDF : 1564712.6/40

All: 0.000+/-0.000 χ^2/NDF : 2981646.0/81

- sign 0.000+/-0.000 χ^2/NDF : 1391503.1/40

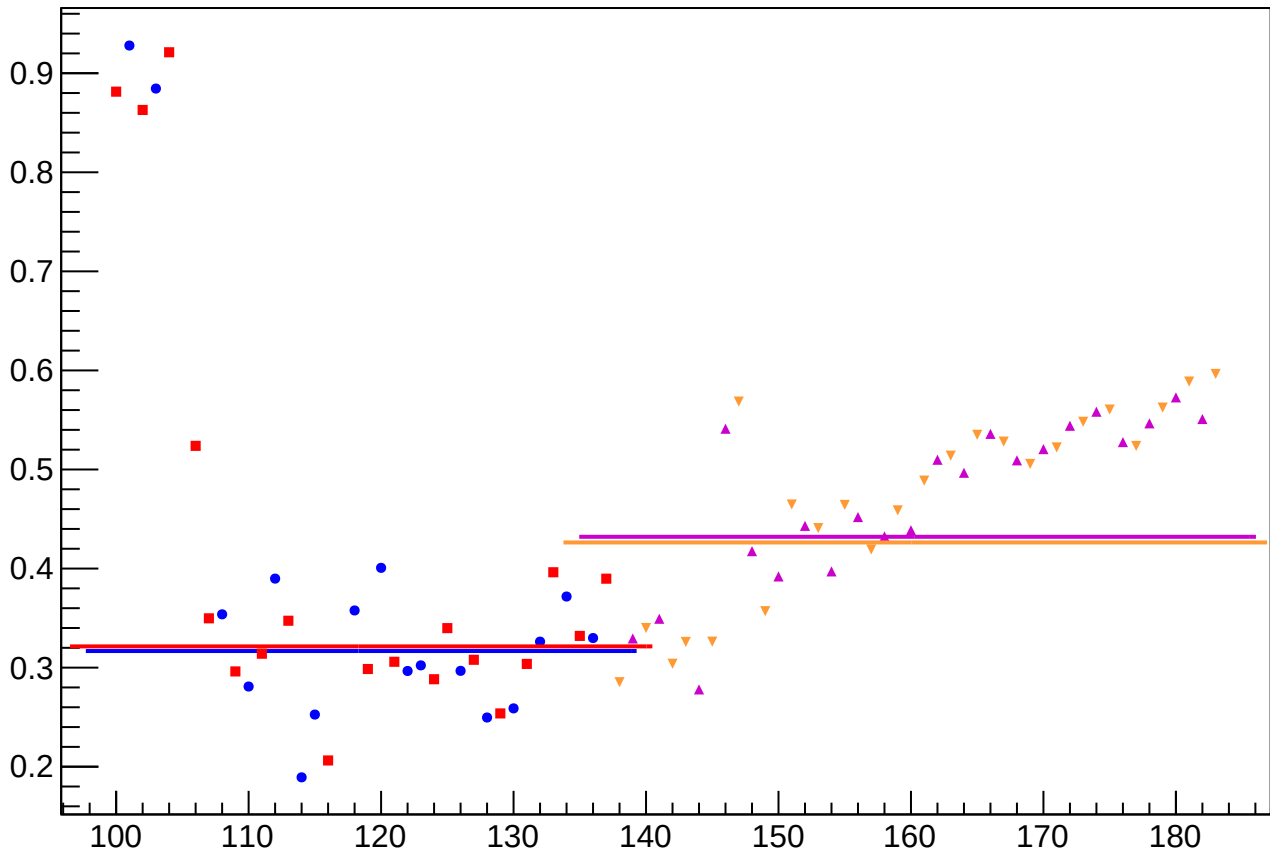
yield_bcm_an_ds_mean vs Slug



Right In: 143.849 ± 0.000 χ^2/NDF : 3450807407.9/16
 Left Out: 148.074 ± 0.000 χ^2/NDF : 65596593.5/23
 Right Out: 144.495 ± 0.000 χ^2/NDF : 4183399255.1/18
 Left In: 147.667 ± 0.000 χ^2/NDF : 345128189.5/21

+ sign 146.492 ± 0.000 χ^2/NDF : 4132482030.2/40
 All: 146.450 ± 0.000 χ^2/NDF : 9004239295.9
 - sign 146.407 ± 0.000 χ^2/NDF : 4871229477.7/40

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1260273.9/16

Left Out: 0.426 ± 0.000 χ^2/NDF : 1842652.3/23

Right Out: 0.321 ± 0.000 χ^2/NDF : 1216529.2/18

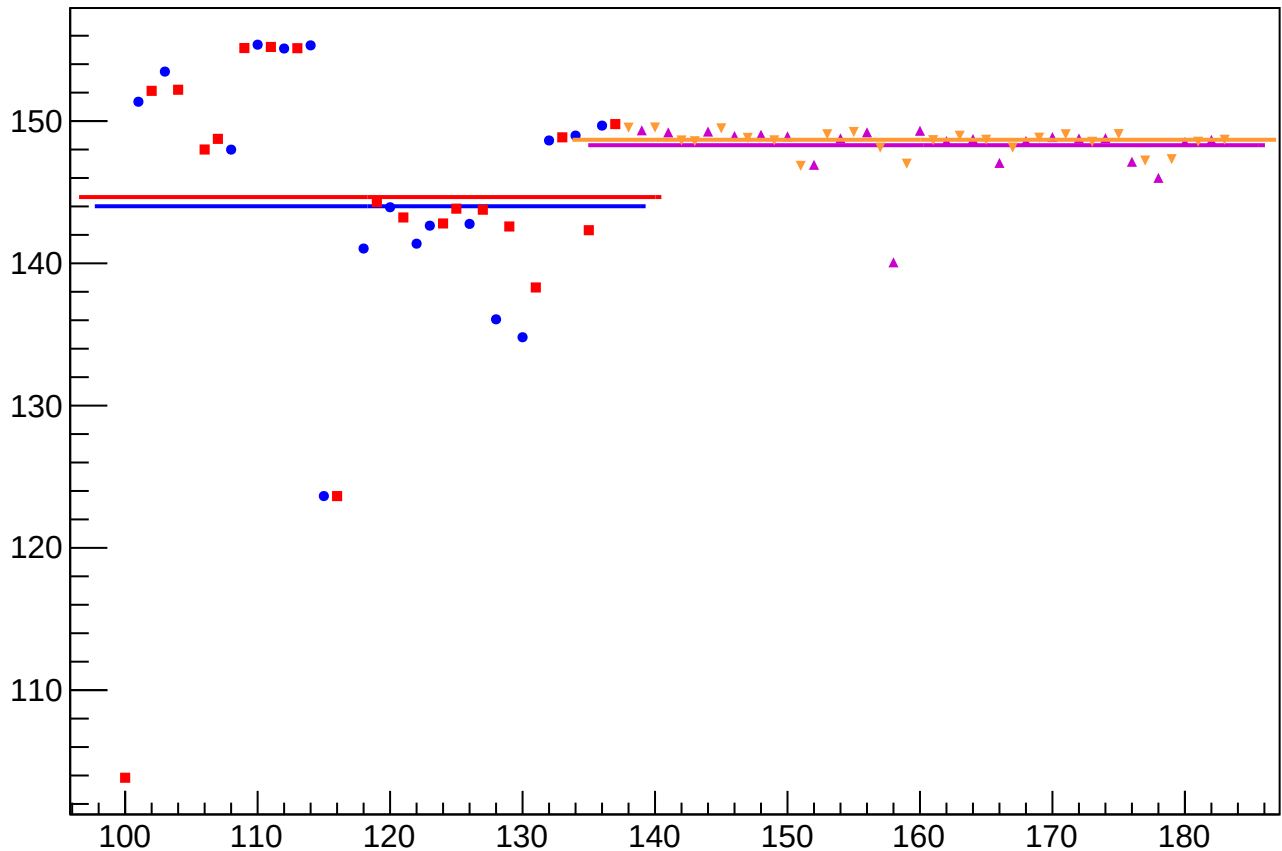
Left In: 0.432 ± 0.000 χ^2/NDF : 1445703.7/21

+ sign 0.385 ± 0.000 χ^2/NDF : 3931904.8/40

All: 0.387 ± 0.000 χ^2/NDF : 7428983.4/81

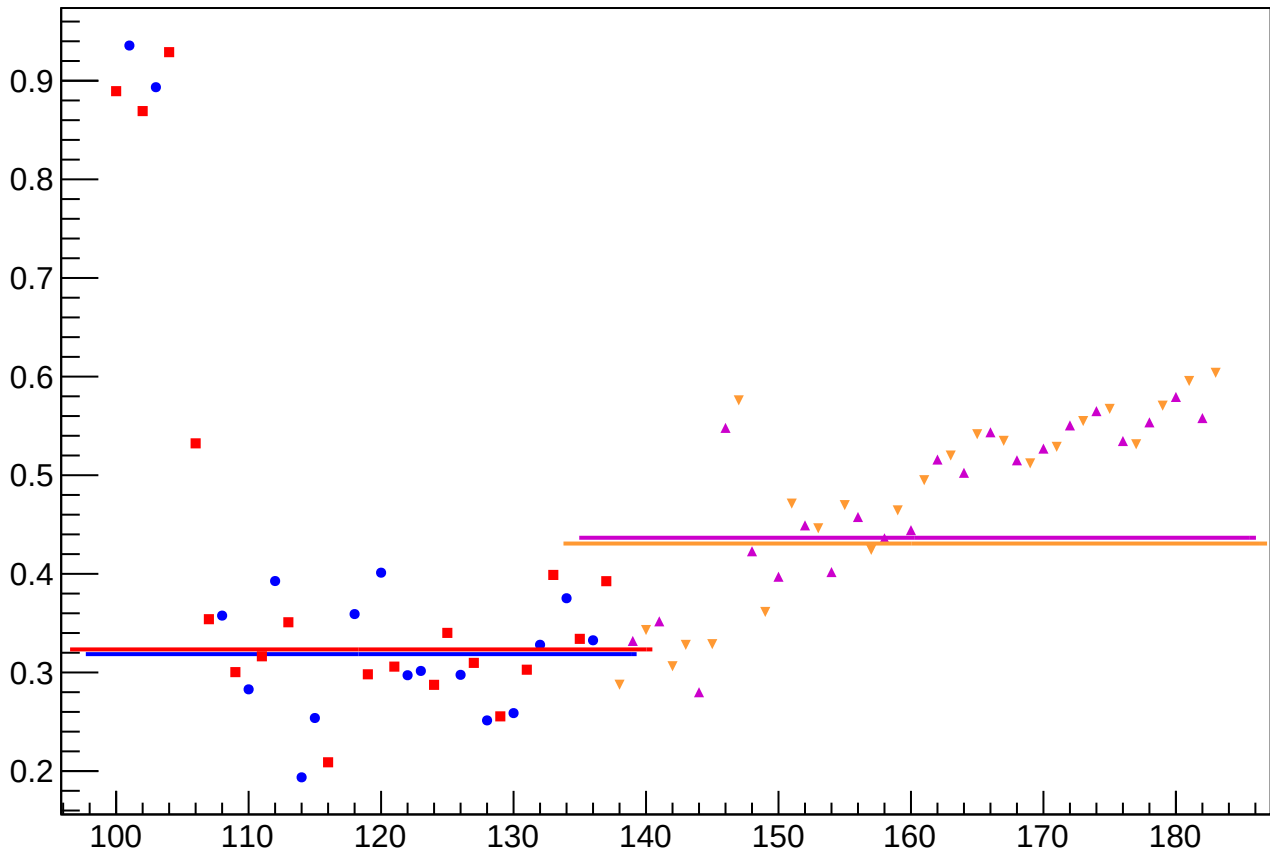
- sign 0.388 ± 0.000 χ^2/NDF : 3495947.6/40

yield_bcm_an_ds3_mean vs Slug



Right In: 144.013 $\pm$ 0.000	χ^2 /NDF: 3495287828.5/16	+ sign 146.926 $\pm$ 0.000	χ^2 /NDF: 4290166230.8/40
Left Out: 148.687 $\pm$ 0.000	χ^2 /NDF: 52215043.0/23	All: 146.887 $\pm$ 0.000	χ^2 /NDF: 9277374347.5
Right Out: 144.658 $\pm$ 0.000	χ^2 /NDF: 4207861518.0/18	- sign 146.847 $\pm$ 0.000	χ^2 /NDF: 4986766828.7/40
Left In: 148.304 $\pm$ 0.000	χ^2 /NDF: 333469062.6/21		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319+/-0.000 χ^2/NDF : 1262045.4/16

Left Out: 0.431+/-0.000 χ^2/NDF : 1874243.1/23

Right Out: 0.323+/-0.000 χ^2/NDF : 1218896.8/18

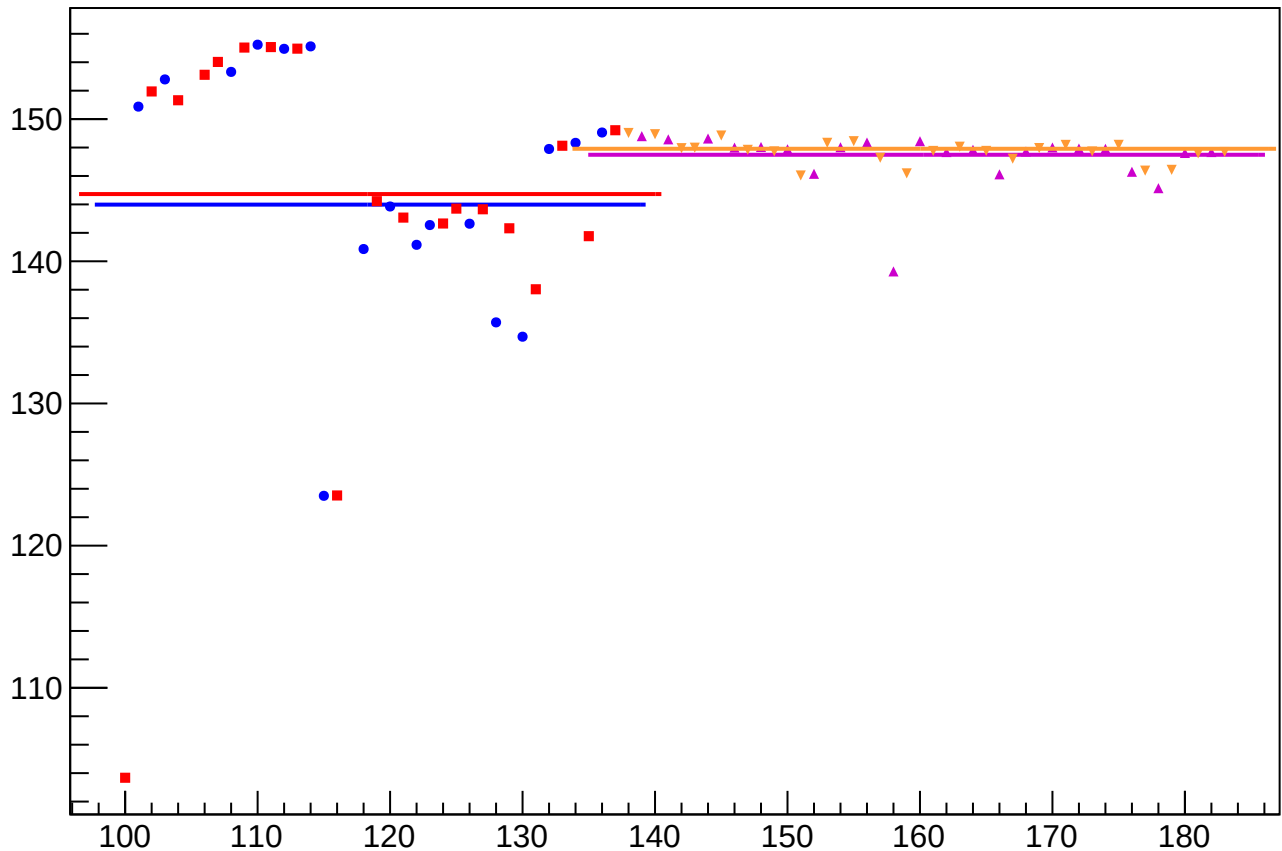
Left In: 0.437+/-0.000 χ^2/NDF : 1470851.6/21

+ sign 0.388+/-0.000 χ^2/NDF : 3991232.5/40

All: 0.390+/-0.000 χ^2/NDF : 7541509.7/81

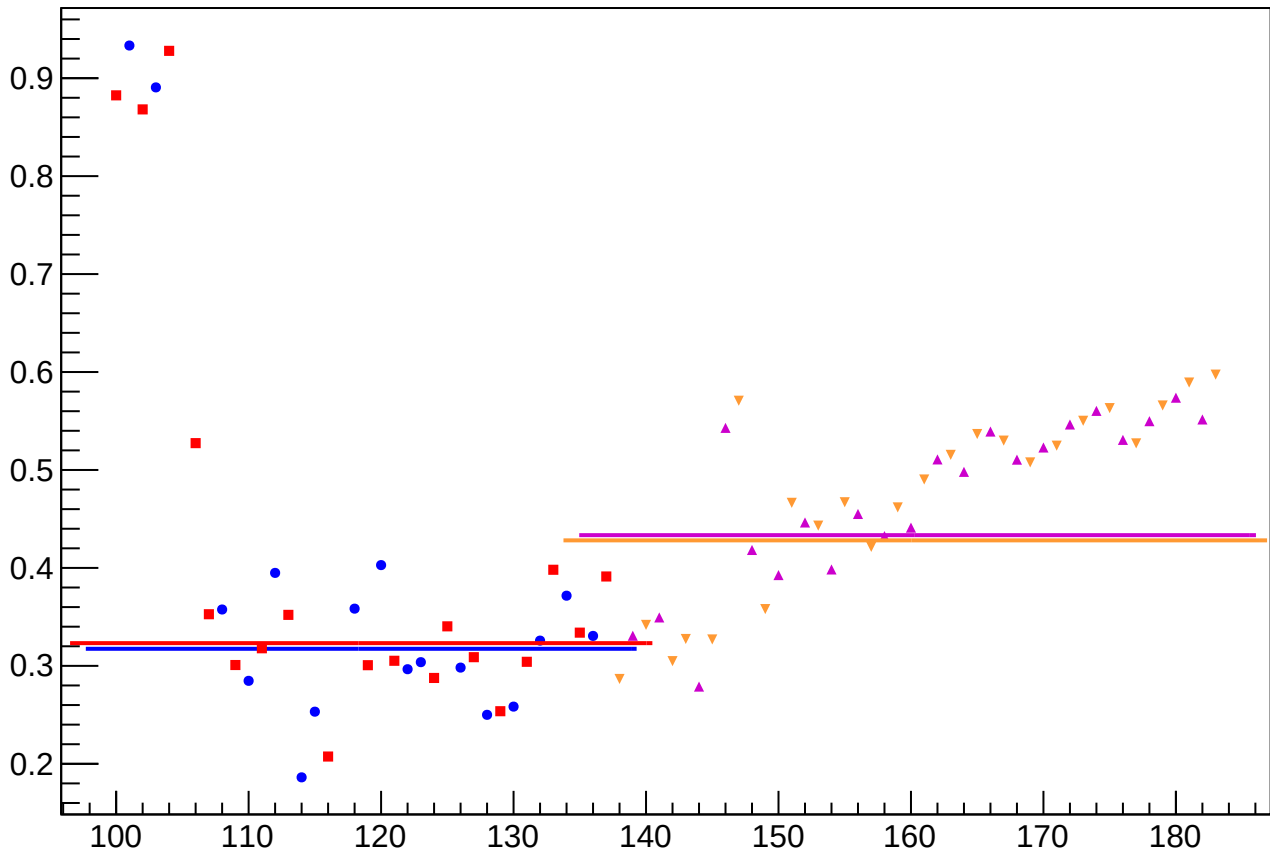
- sign 0.391+/-0.000 χ^2/NDF : 3549108.3/40

yield_bcm_an_us_mean vs Slug



Right In: 143.986+/-0.000	χ^2/NDF : 3664472942.4/16	+ sign 146.441+/-0.000	χ^2/NDF : 4257613550.2/40
Left Out: 147.913+/-0.000	χ^2/NDF : 64338239.4/23	All: 146.419+/-0.000	χ^2/NDF : 9332479500.5
Right Out: 144.728+/-0.000	χ^2/NDF : 4473024875.8/18	- sign 146.396+/-0.000	χ^2/NDF : 5074724886.2/40
Left In: 147.492+/-0.000	χ^2/NDF : 343950261.9/21		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1274892.4/16

Left Out: 0.428 ± 0.000 χ^2/NDF : 1842202.7/23

Right Out: 0.323 ± 0.000 χ^2/NDF : 1221204.9/18

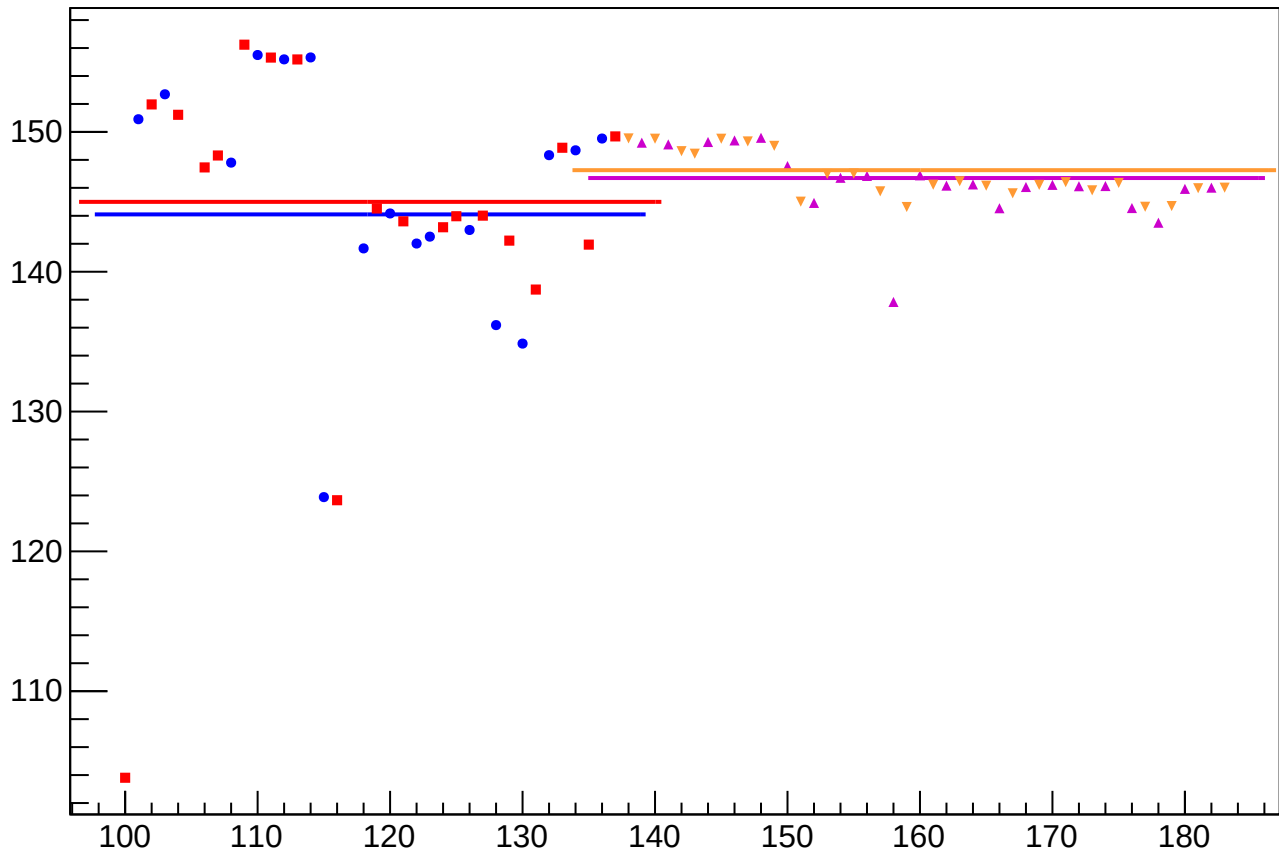
Left In: 0.433 ± 0.000 χ^2/NDF : 1452297.5/21

+ sign 0.387 ± 0.000 χ^2/NDF : 3957133.1/40

All: 0.388 ± 0.000 χ^2/NDF : 7452389.8/81

- sign 0.390 ± 0.000 χ^2/NDF : 3493845.1/40

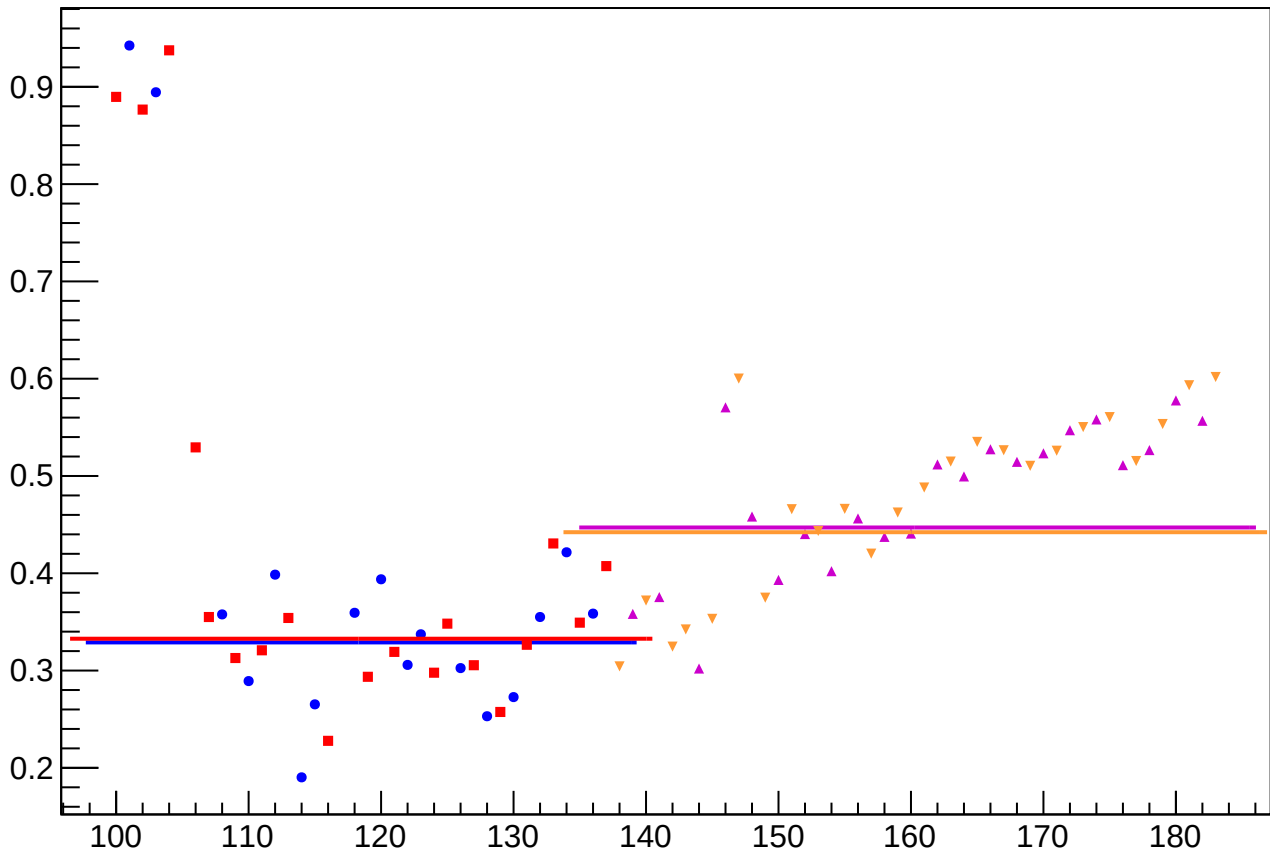
yield_bcm_dg_us_mean vs Slug



Right In: 144.101 $\pm$ 0.000 χ^2/NDF : 3163250979.7/16
 Left Out: 147.264 $\pm$ 0.000 χ^2/NDF : 260967255.0/23
 Right Out: 144.998 $\pm$ 0.000 χ^2/NDF : 3853420991.4/18
 Left In: 146.702 $\pm$ 0.000 χ^2/NDF : 557501329.0/21

+ sign 146.092 $\pm$ 0.000 χ^2/NDF : 3744932482.6/40
 All: 146.062 $\pm$ 0.000 χ^2/NDF : 8248731052.4
 - sign 146.030 $\pm$ 0.000 χ^2/NDF : 4503536753.5/40

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1259207.9/16

Left Out: 0.442 ± 0.000 χ^2/NDF : 1435908.4/23

Right Out: 0.333 ± 0.000 χ^2/NDF : 1181630.3/18

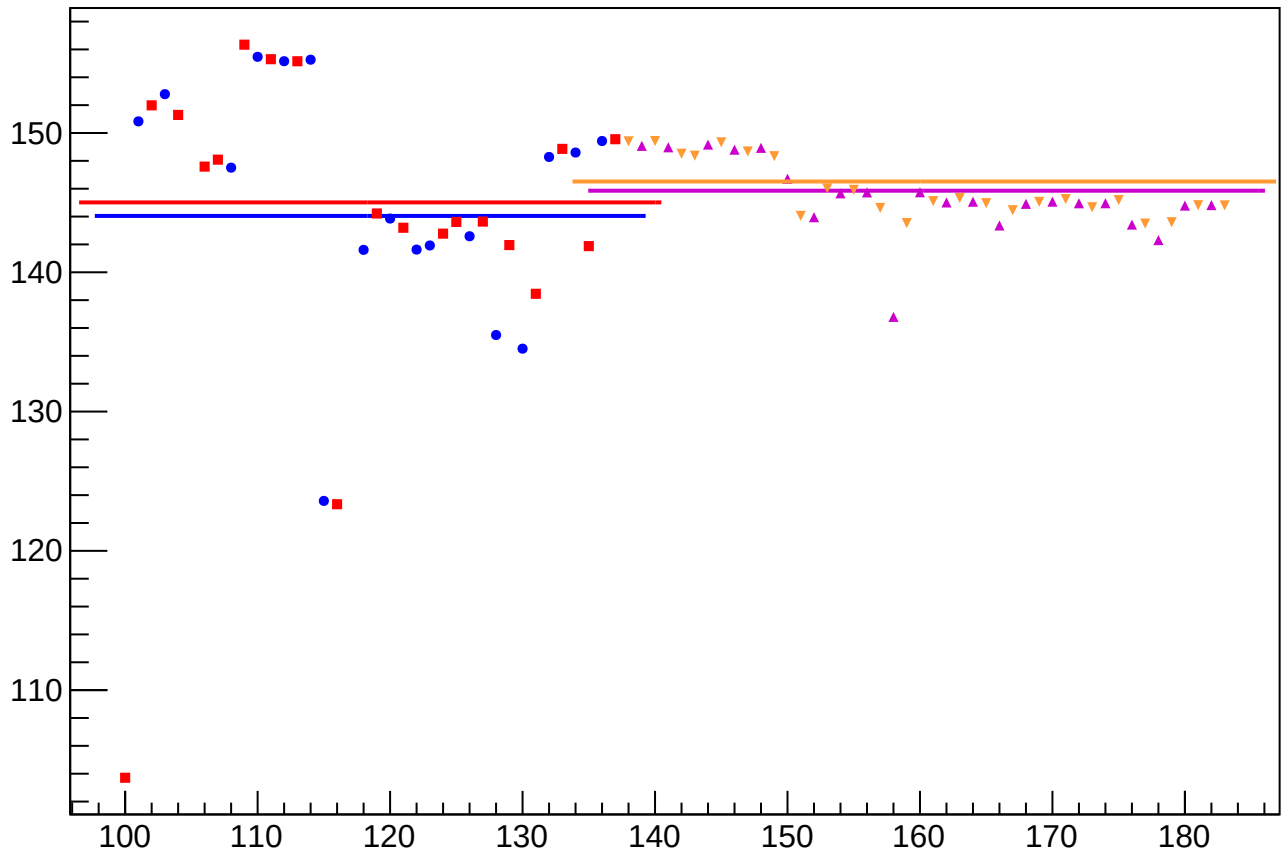
Left In: 0.447 ± 0.000 χ^2/NDF : 1087936.4/21

+ sign 0.400 ± 0.000 χ^2/NDF : 3517882.7/40

All: 0.401 ± 0.000 χ^2/NDF : 6621681.6/81

- sign 0.402 ± 0.000 χ^2/NDF : 3103386.8/40

yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 ± 0.000 χ^2/NDF : 3282867390.8/16

Left Out: 146.518 ± 0.000 χ^2/NDF : 399594892.1/23

Right Out: 145.016 ± 0.000 χ^2/NDF : 3929576449.5/18

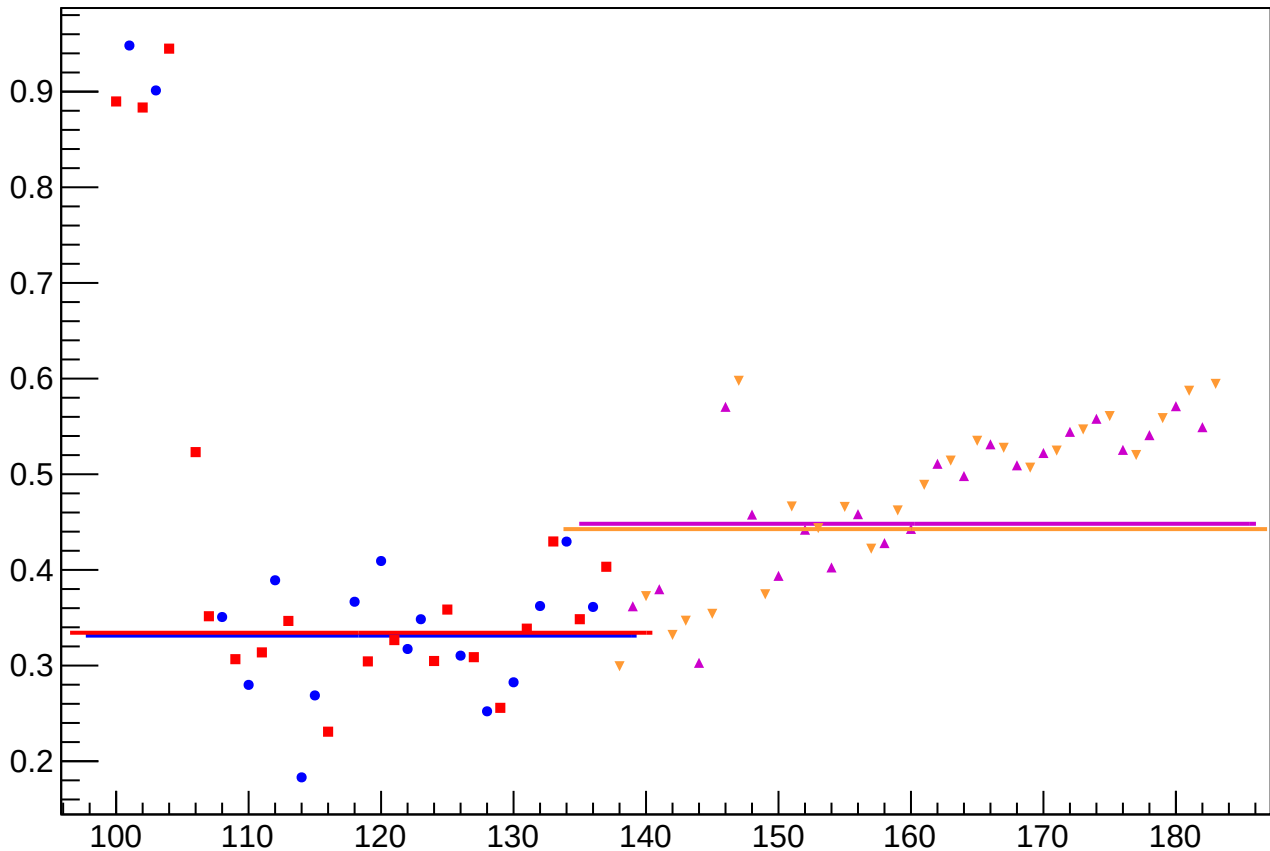
Left In: 145.857 ± 0.000 χ^2/NDF : 693870650.5/21

+ sign 145.611 ± 0.000 χ^2/NDF : 3875995866.9/40

All: 145.569 ± 0.000 χ^2/NDF : 8522250562.0

- sign 145.527 ± 0.000 χ^2/NDF : 4645777155.6/40

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 $\pm$ 0.000 χ^2 /NDF: 1275232.9/16

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1418166.6/23

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1170223.7/18

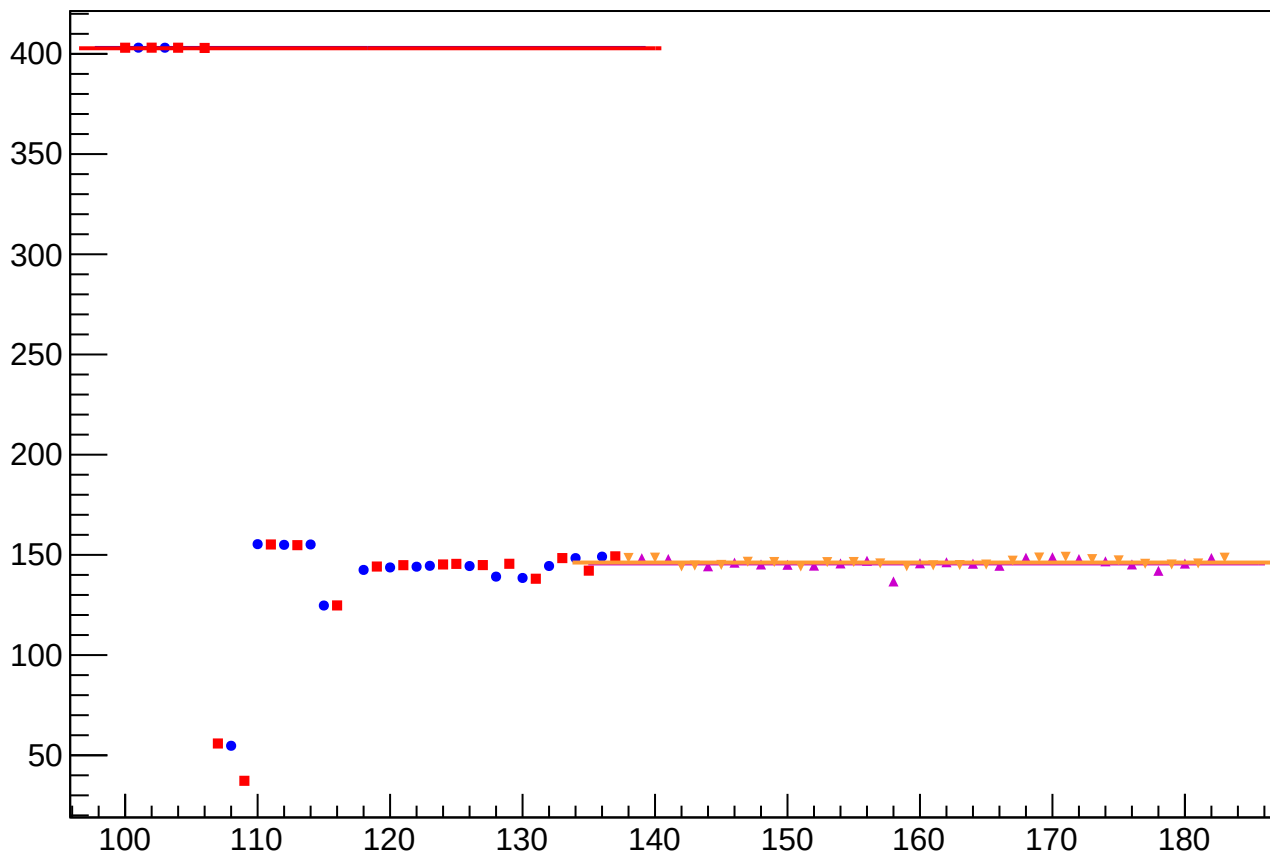
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1063972.7/21

+ sign 0.402 $\pm$ 0.000 χ^2 /NDF: 3478410.3/40

All: 0.403 $\pm$ 0.000 χ^2 /NDF: 6533228.1/81

- sign 0.403 $\pm$ 0.000 χ^2 /NDF: 3054446.5/40

yield_cav4bQ_mean vs Slug



Right In: 402.957 ± 0.000 $\chi^2/\text{NDF}: 1095567172365.3/16$

Left Out: 146.176 ± 0.000 $\chi^2/\text{NDF}: 84366185.8/23$

Right Out: 402.799 ± 0.000 $\chi^2/\text{NDF}: 3104385504690.3/18$

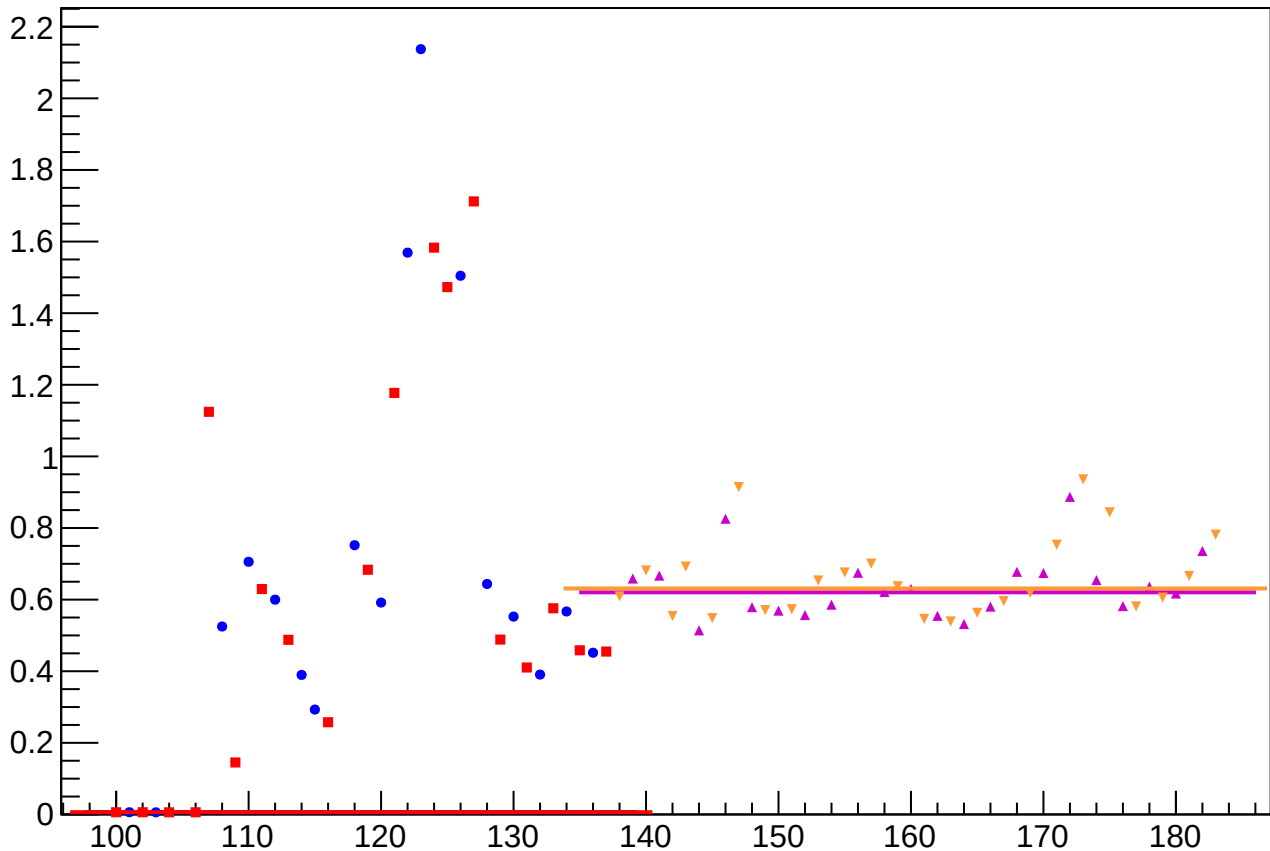
Left In: 145.730 ± 0.000 $\chi^2/\text{NDF}: 203115780.8/21$

+ sign 402.665 ± 0.000 $\chi^2/\text{NDF}: 3436153157452.6$

All: 402.600 ± 0.000 $\chi^2/\text{NDF}: 885424486876$

- sign 402.543 ± 0.000 $\chi^2/\text{NDF}: 5417847407540.9$

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9047828.5/16

Left Out: 0.631+/-0.000 χ^2/NDF : 608923.6/23

Right Out: 0.006+/-0.000 χ^2/NDF : 9152692.1/18

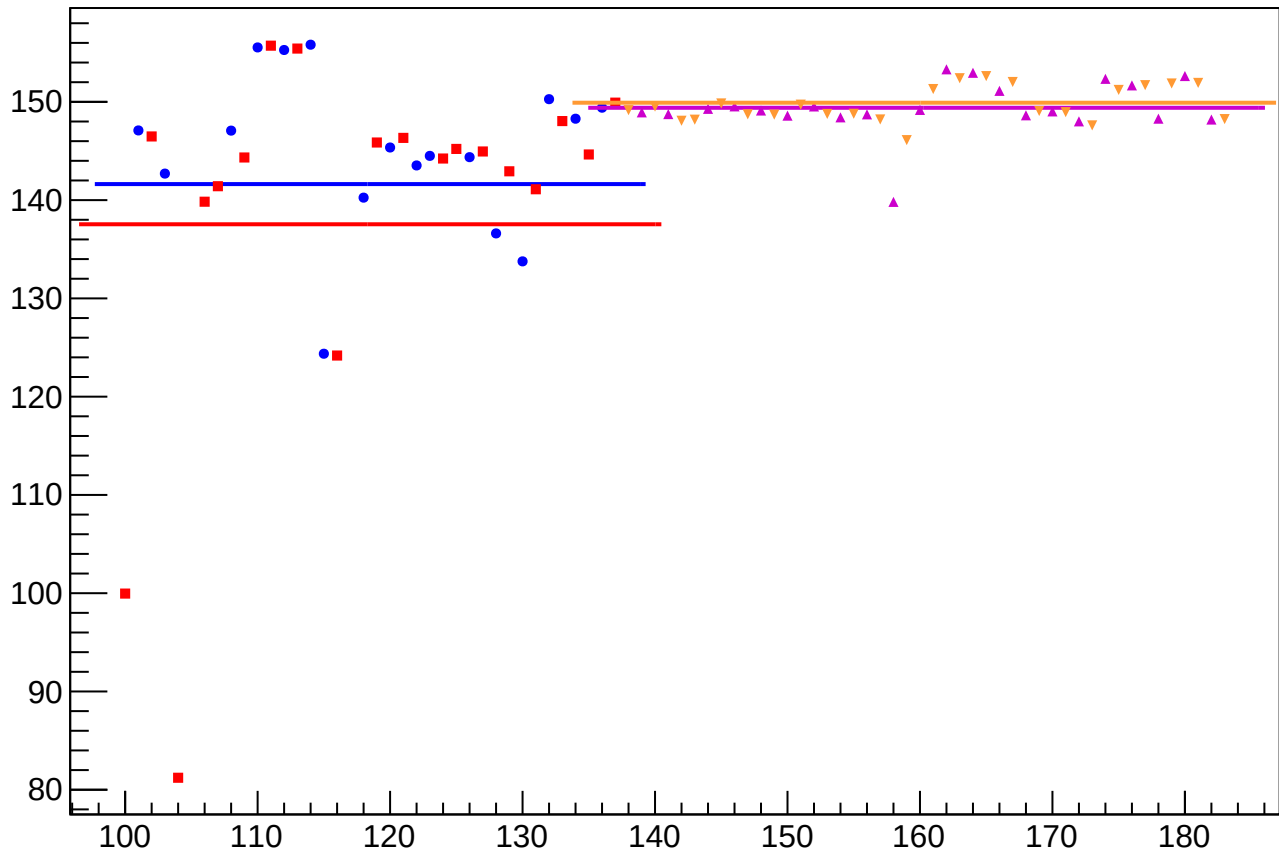
Left In: 0.620+/-0.000 χ^2/NDF : 392842.7/21

+ sign 0.007+/-0.000 χ^2/NDF : 37368356.0/40

All: 0.007+/-0.000 χ^2/NDF : 73311428.3/81

- sign 0.007+/-0.000 χ^2/NDF : 35942652.9/40

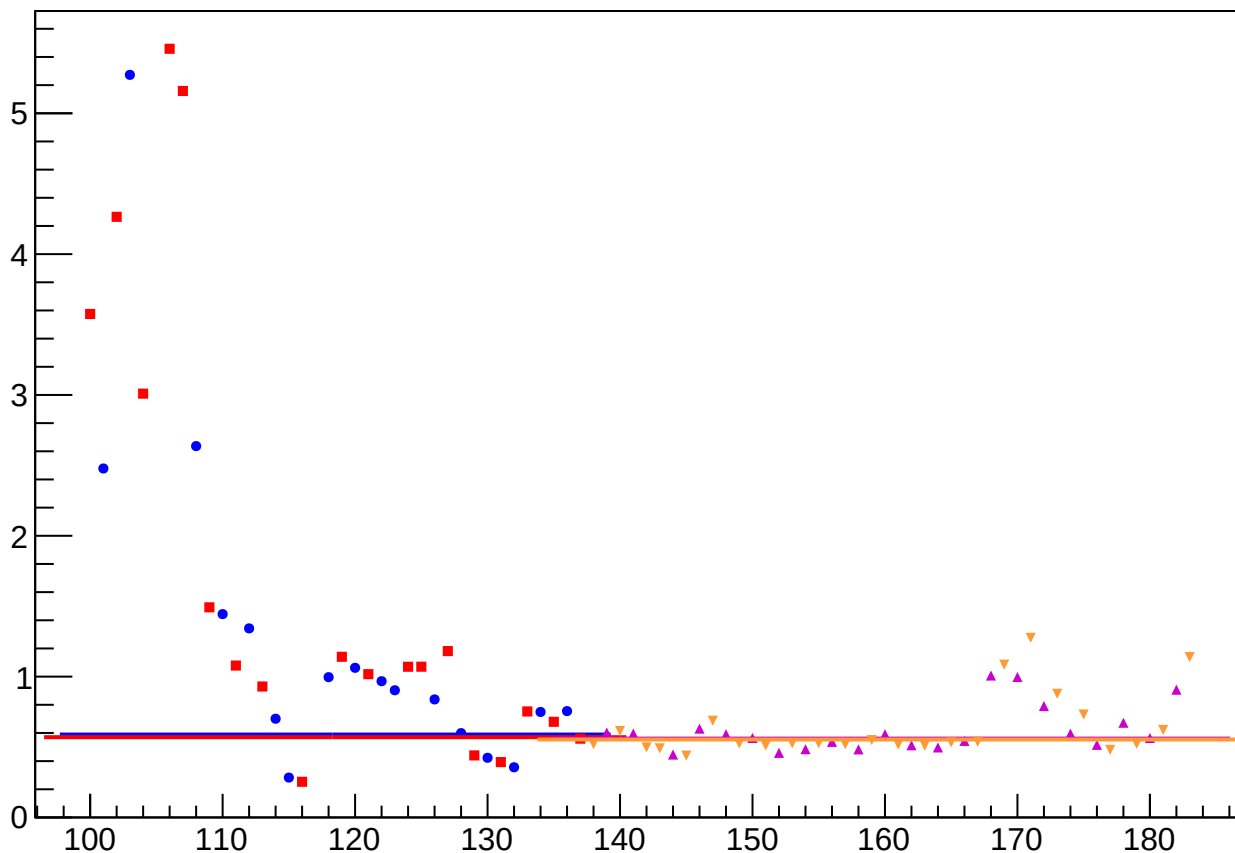
yield_cav4cQ_mean vs Slug



Right In: 141.632 ± 0.000 χ^2/NDF : 977430315.6/16
 Left Out: 149.913 ± 0.000 χ^2/NDF : 162517079.5/23
 Right Out: 137.543 ± 0.000 χ^2/NDF : 1320254355.4/18
 Left In: 149.397 ± 0.000 χ^2/NDF : 436727140.2/21

+ sign 148.537 ± 0.000 χ^2/NDF : 1718178766.1/40
 All: 147.908 ± 0.000 χ^2/NDF : 4732357139.4
 - sign 147.246 ± 0.000 χ^2/NDF : 2964733755.0/40

yield_cav4cQ_rms vs Slug



Right In: 0.589 $\pm$ 0.000 χ^2 /NDF: 3472432.4/16

Left Out: 0.554 $\pm$ 0.000 χ^2 /NDF:1665258.7/23

Right Out: 0.570 $\pm$ 0.000 χ^2 /NDF: 4646586.2/18

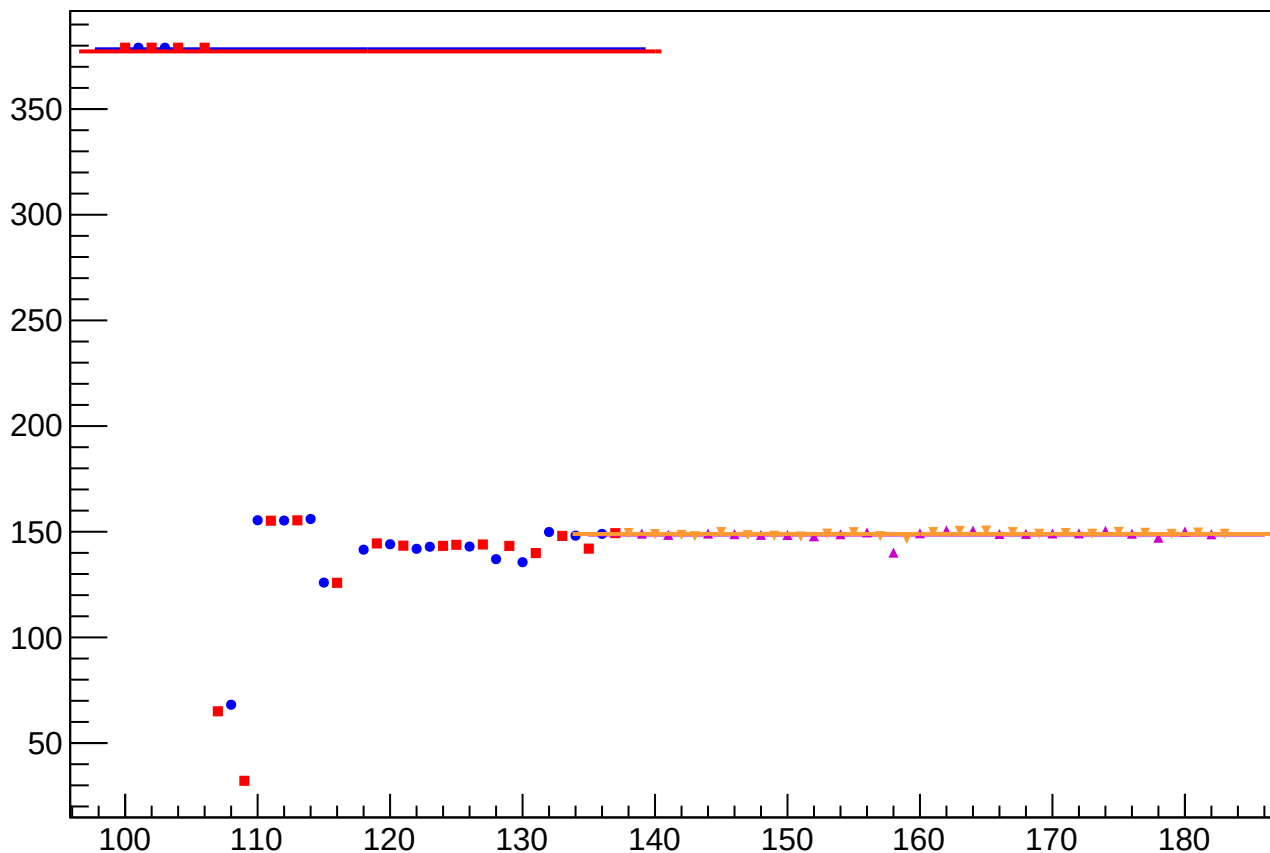
Left In: 0.560 $\pm$ 0.000 χ^2 /NDF:1211771.2/21

+ sign 0.559 $\pm$ 0.000 χ^2 /NDF: 5158534.7/40

All: 0.561 $\pm$ 0.000 χ^2 /NDF: 11018970.5/81

- sign 0.562 $\pm$ 0.000 χ^2 /NDF: 5860114.1/40

yield_cav4dQ_mean vs Slug



Right In: 378.290+/-0.000 χ^2/NDF : 2485728057854.8/16

Left Out: 148.947+/-0.000 χ^2/NDF : 63952319.1/23

Right Out: 377.288+/-0.000 χ^2/NDF : 8283929719012.3/18

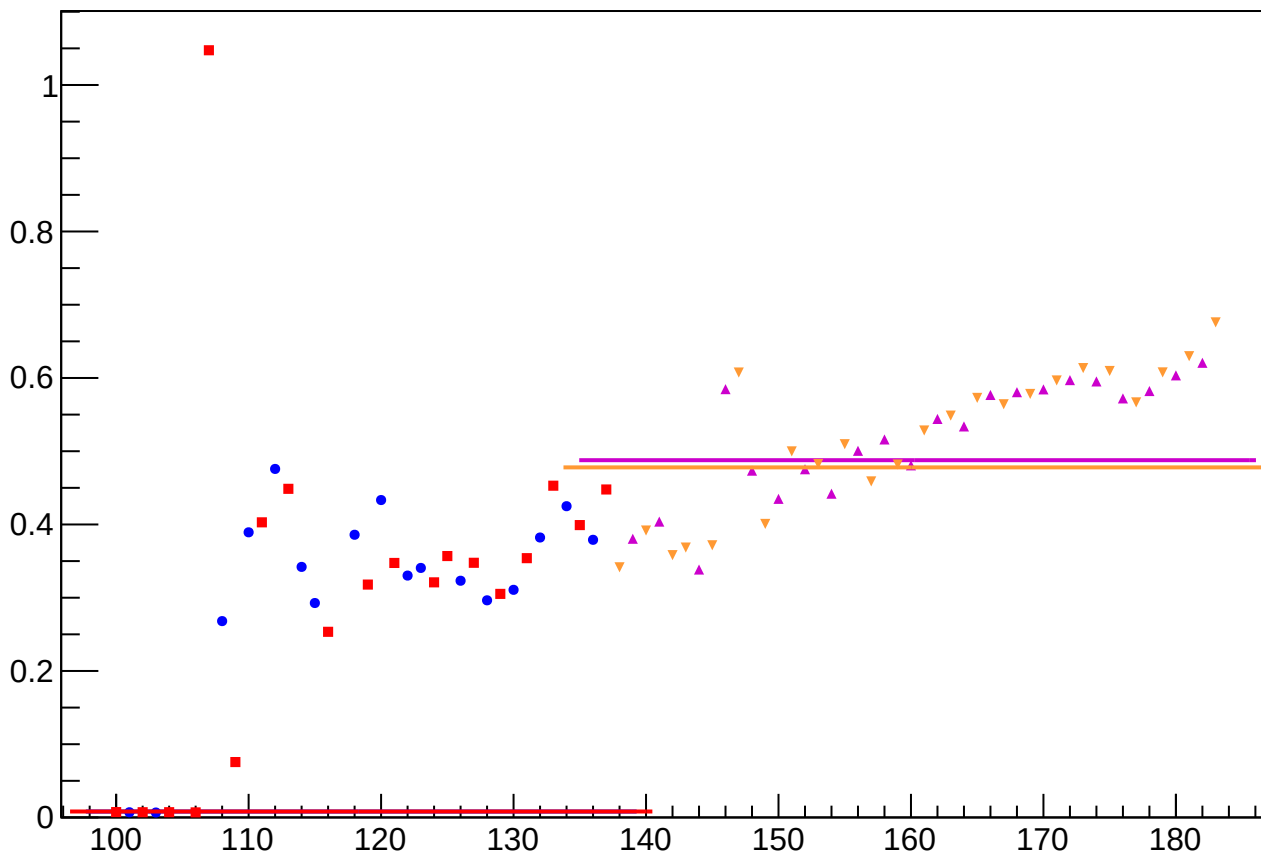
Left In: 148.680+/-0.000 χ^2/NDF : 253799539.0/21

+ sign 377.015+/-0.000 χ^2/NDF : 6377072079741.9

All: 376.615+/-0.000 χ^2/NDF : 182195661769

- sign 376.264+/-0.000 χ^2/NDF : 11838467128677.3

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9762871.0/16

Left Out: 0.478+/-0.000 χ^2/NDF : 1460727.5/23

Right Out: 0.008+/-0.000 χ^2/NDF : 9478867.5/18

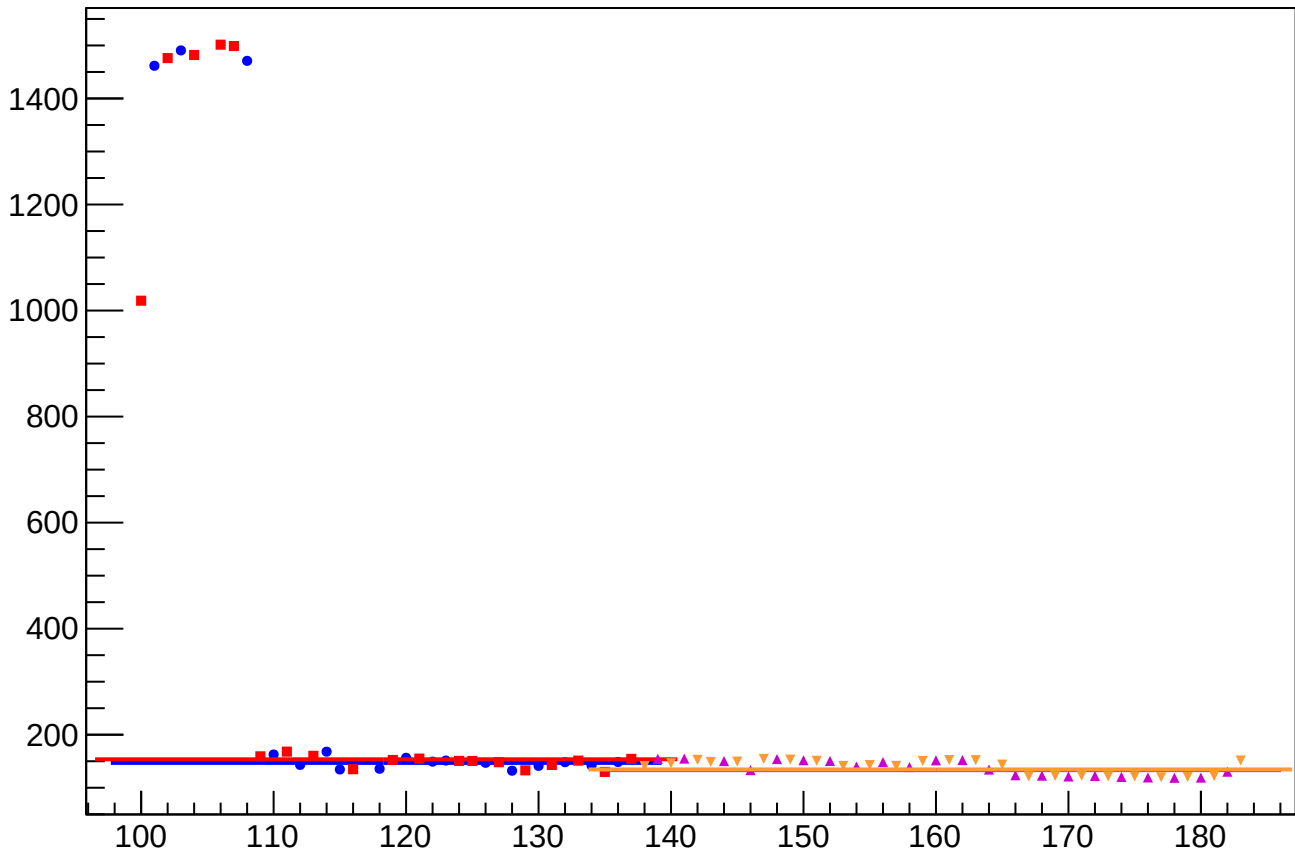
Left In: 0.488+/-0.000 χ^2/NDF : 1041794.6/21

+ sign 0.011+/-0.000 χ^2/NDF : 43883786.6/40

All: 0.010+/-0.000 χ^2/NDF : 85696630.4/81

- sign 0.010+/-0.000 χ^2/NDF : 41810173.9/40

yield_bcm0l02_mean vs Slug



Right In: 146.867 $\pm$ 0.000 χ^2 /NDF: 24355015272.8/16

Left Out: 134.496 $\pm$ 0.000 χ^2 /NDF: 4346787485.7/23

Right Out: 153.610 $\pm$ 0.000 χ^2 /NDF: 33790758108.7/18

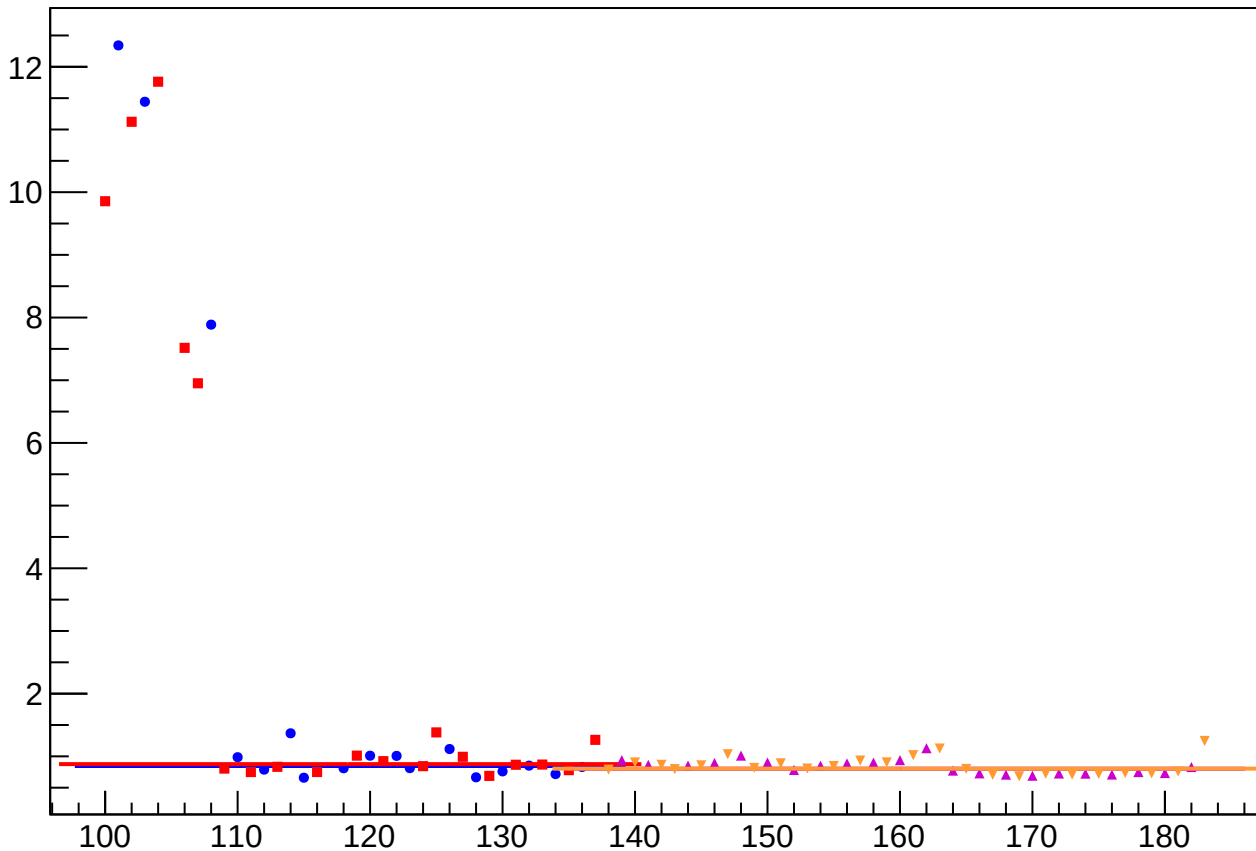
Left In: 133.235 $\pm$ 0.000 χ^2 /NDF: 4339671052.4/21

+ sign 136.748 $\pm$ 0.000 χ^2 /NDF: 29360297526.9/40

All: 136.916 $\pm$ 0.000 χ^2 /NDF: 69277115962.0

- sign 137.088 $\pm$ 0.000 χ^2 /NDF: 39915173232.2/40

yield_bcm0l02_rms vs Slug



Right In: 0.846 $\pm$ 0.000 χ^2 /NDF: 2668298.4/16

Left Out: 0.804 $\pm$ 0.000 χ^2 /NDF: 625073.3/23

Right Out: 0.876 $\pm$ 0.000 χ^2 /NDF: 2828930.0/18

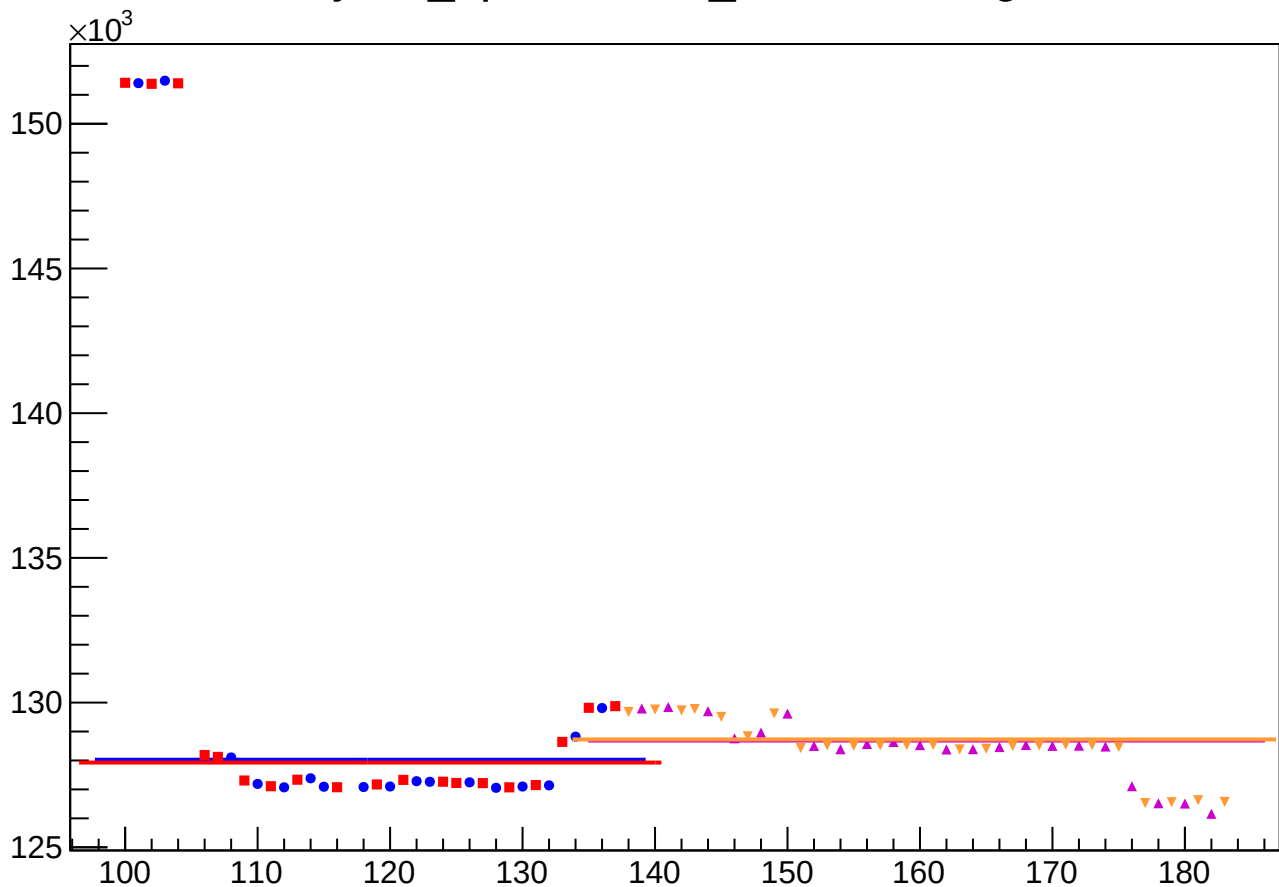
Left In: 0.803 $\pm$ 0.000 χ^2 /NDF: 459987.2/21

+ sign 0.812 $\pm$ 0.000 χ^2 /NDF: 3308798.2/40

All: 0.814 $\pm$ 0.000 χ^2 /NDF: 6644844.5/81

- sign 0.816 $\pm$ 0.000 χ^2 /NDF: 3335386.6/40

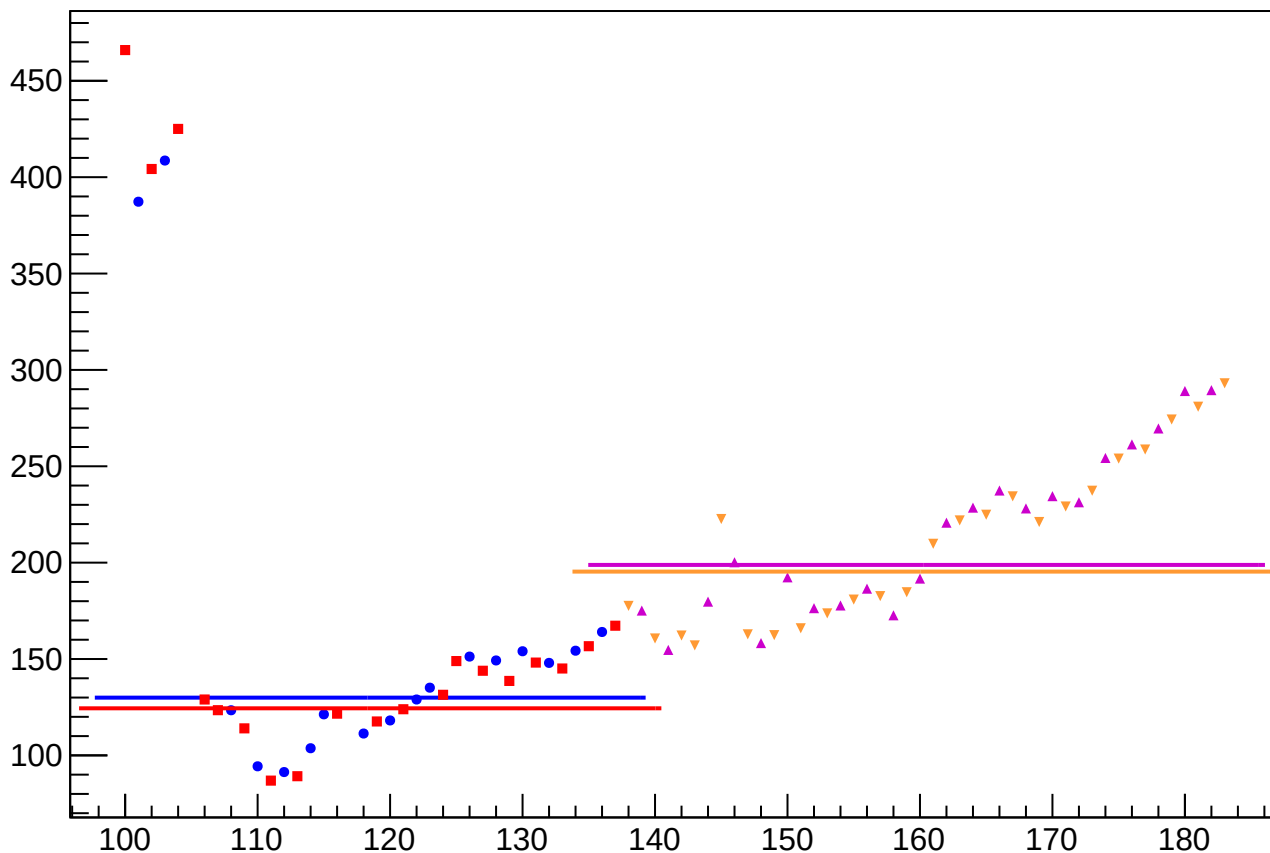
yield_bpm2i01WS_mean vs Slug



Right In: 128026.197 ± 0.055 $\chi^2/\text{NDF}: 4315820742.0/16$
 Left Out: 128726.826 ± 0.047 $\chi^2/\text{NDF}: 335995055.5/23$
 Right Out: 127927.799 ± 0.050 $\chi^2/\text{NDF}: 3766946876.4/18$
 Left In: 128688.902 ± 0.049 $\chi^2/\text{NDF}: 315663140.1/21$

+ sign 128430.297 ± 0.036 $\chi^2/\text{NDF}: 4746673493.8$
 All: 128373.895 ± 0.025 $\chi^2/\text{NDF}: 895148616$
 - sign 128318.776 ± 0.035 $\chi^2/\text{NDF}: 4199833401.1/21$

yield_bpm2i01WS_rms vs Slug



Right In: 129.956 $\pm$ 0.039 χ^2 /NDF: 1484094.0/16

Left Out: 195.351 $\pm$ 0.033 χ^2 /NDF: 1261788.5/23

Right Out: 124.419 $\pm$ 0.036 χ^2 /NDF: 1525709.6/18

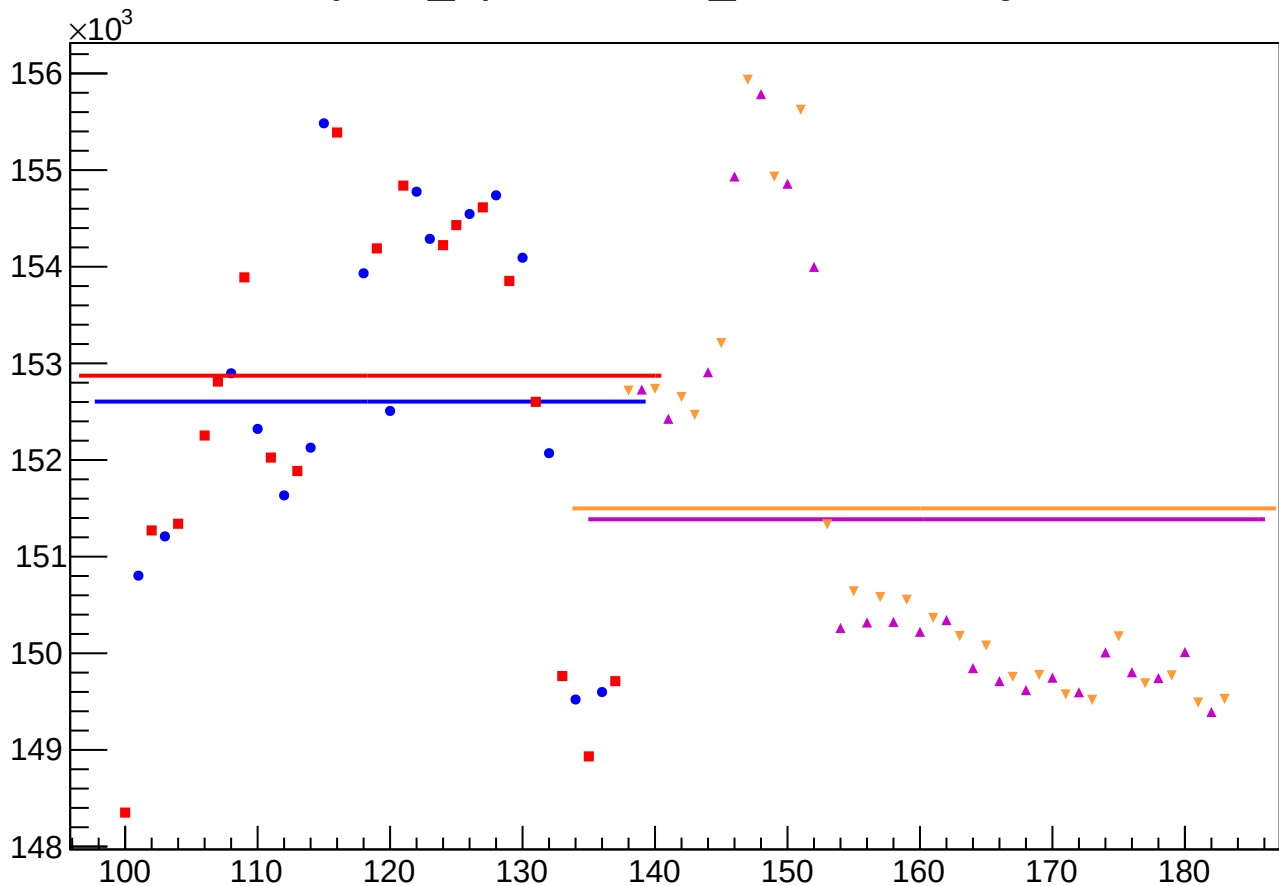
Left In: 198.820 $\pm$ 0.035 χ^2 /NDF: 1120354.8/21

+ sign 167.674 $\pm$ 0.025 χ^2 /NDF: 4398668.5/40

All: 165.127 $\pm$ 0.018 χ^2 /NDF: 9305358.0/81

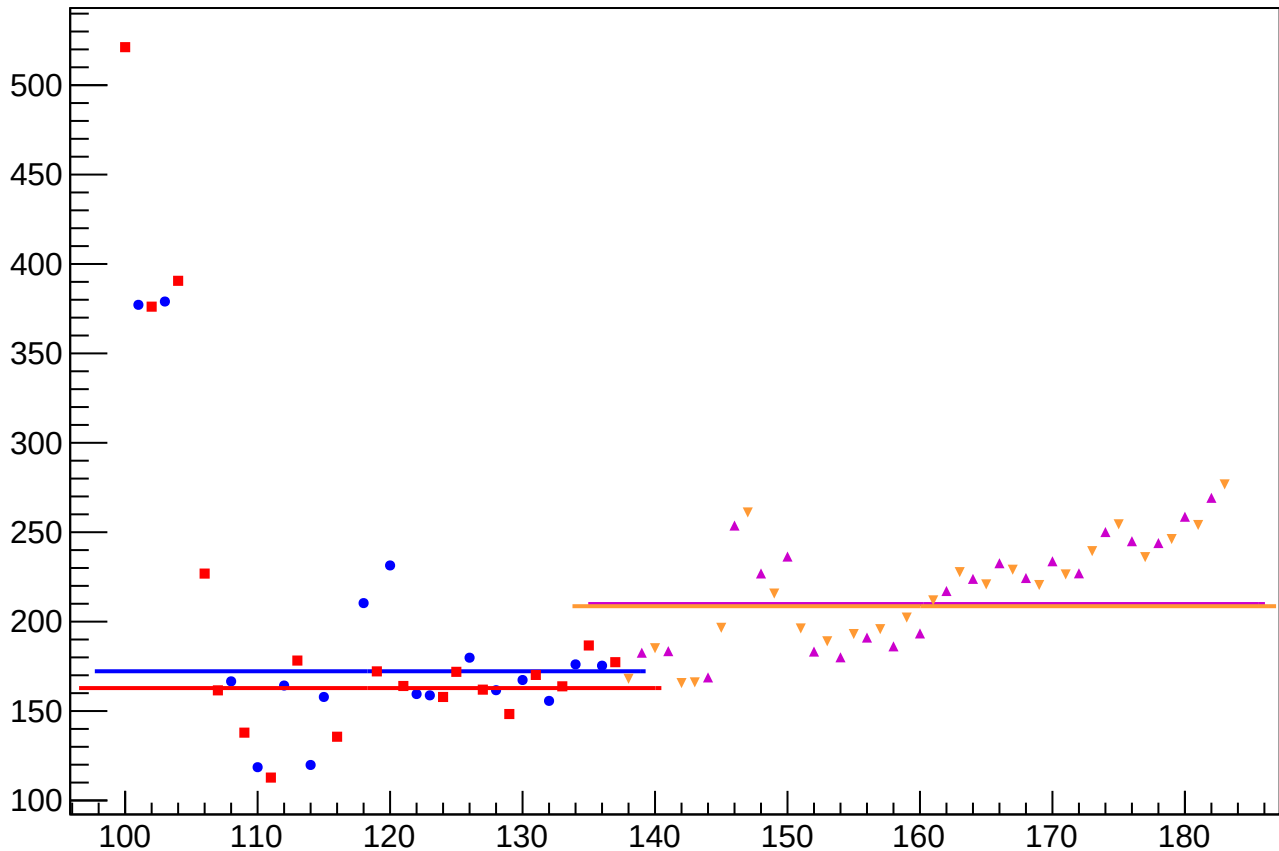
- sign 162.639 $\pm$ 0.025 χ^2 /NDF: 4886385.2/40

yield_bpm0i07WS_mean vs Slug



Right In: 152604.581 $\pm$ 0.072 χ^2 /NDF: 618623287.4/16
 Left Out: 151499.052 $\pm$ 0.050 χ^2 /NDF: 1466067822.1/23
 Right Out: 152872.589 $\pm$ 0.066 χ^2 /NDF: 715748064.0/18
 Left In: 151386.678 $\pm$ 0.051 χ^2 /NDF: 1403936073.6/21
 All: 151900.039 $\pm$ 0.029 χ^2 /NDF: 467945750
 + sign 151853.030 $\pm$ 0.041 χ^2 /NDF: 2243296601.4/
 - sign 151946.328 $\pm$ 0.041 χ^2 /NDF: 2433546075.6/

yield_bpm0i07WS_rms vs Slug



Right In: 172.246 $\pm$ 0.051 χ^2 /NDF: 925645.6/16

Left Out: 208.626 $\pm$ 0.035 χ^2 /NDF: 681818.8/23

Right Out: 162.843 $\pm$ 0.047 χ^2 /NDF: 1031113.1/18

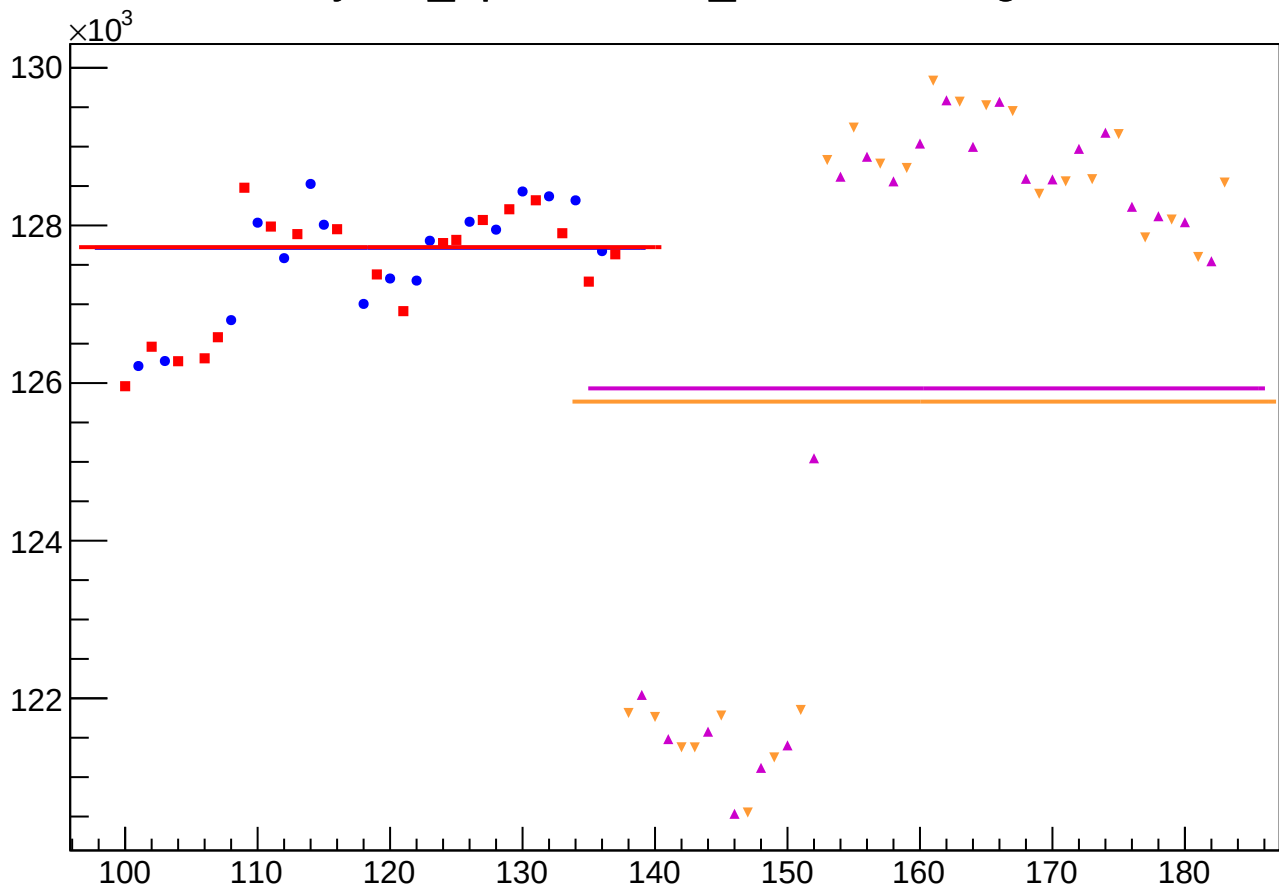
Left In: 209.841 $\pm$ 0.036 χ^2 /NDF: 657009.9/21

+ sign 196.977 $\pm$ 0.029 χ^2 /NDF: 1950963.6/40

All: 194.540 $\pm$ 0.020 χ^2 /NDF: 4281138.6/81

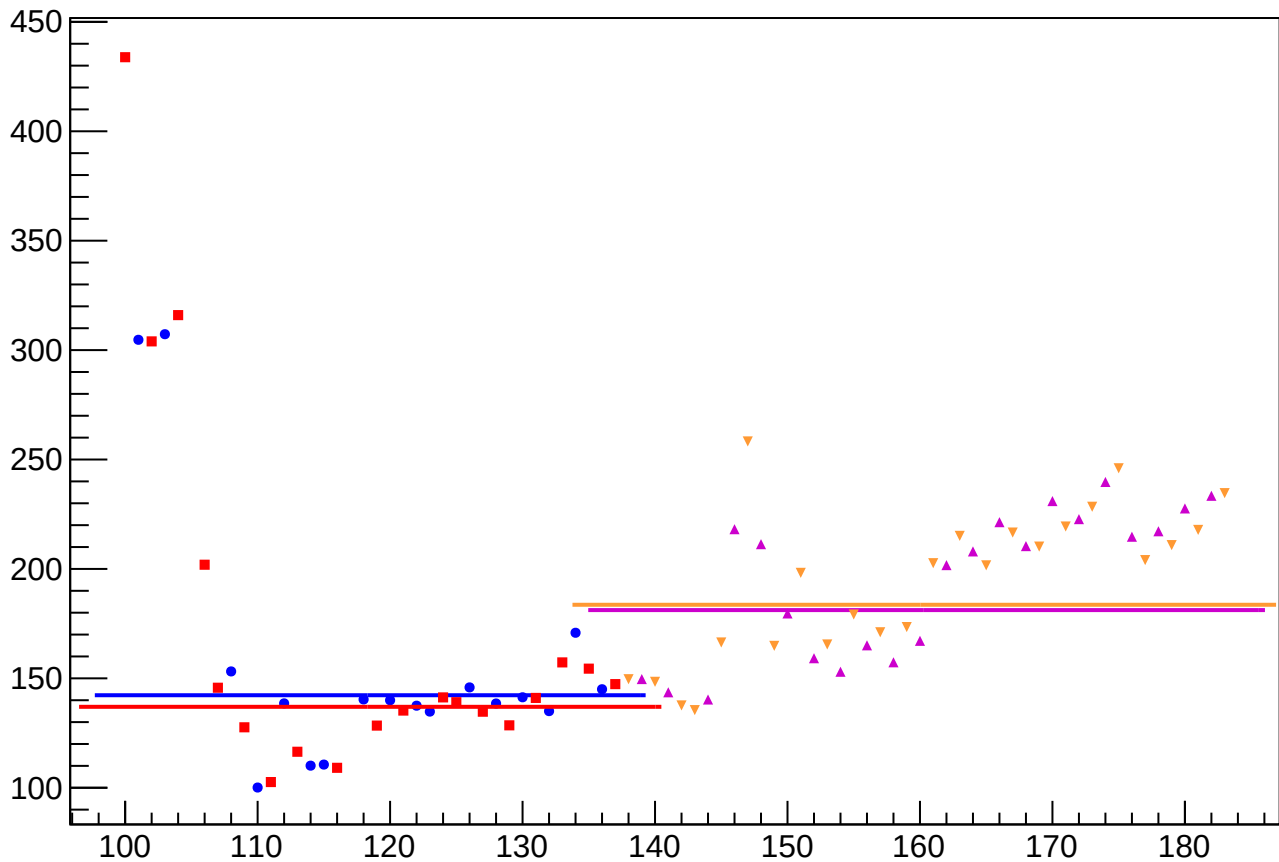
- sign 192.140 $\pm$ 0.029 χ^2 /NDF: 2316116.4/40

yield_bpm0l01WS_mean vs Slug



Right In: 127716.166 $\pm$ 0.058	χ^2 /NDF: 94931980.7/16	+ sign 126474.657 $\pm$ 0.035	χ^2 /NDF: 7513728706.7
Left Out: 125764.884 $\pm$ 0.044	χ^2 /NDF: 6708735046.8/23	All: 126566.784 $\pm$ 0.025	χ^2 /NDF: 141046518
Right Out: 127724.552 $\pm$ 0.055	χ^2 /NDF: 112583303.4/18	- sign 126655.941 $\pm$ 0.035	χ^2 /NDF: 6577465205.8/
Left In: 125932.563 $\pm$ 0.045	χ^2 /NDF: 5821240012.1/21		

yield_bpm0l01WS_rms vs Slug



Right In: 142.282 $\pm$ 0.041 χ^2 /NDF: 836459.8/16

Left Out: 183.623 $\pm$ 0.031 χ^2 /NDF:1108153.0/23

Right Out: 136.989 $\pm$ 0.039 χ^2 /NDF: 956883.0/18

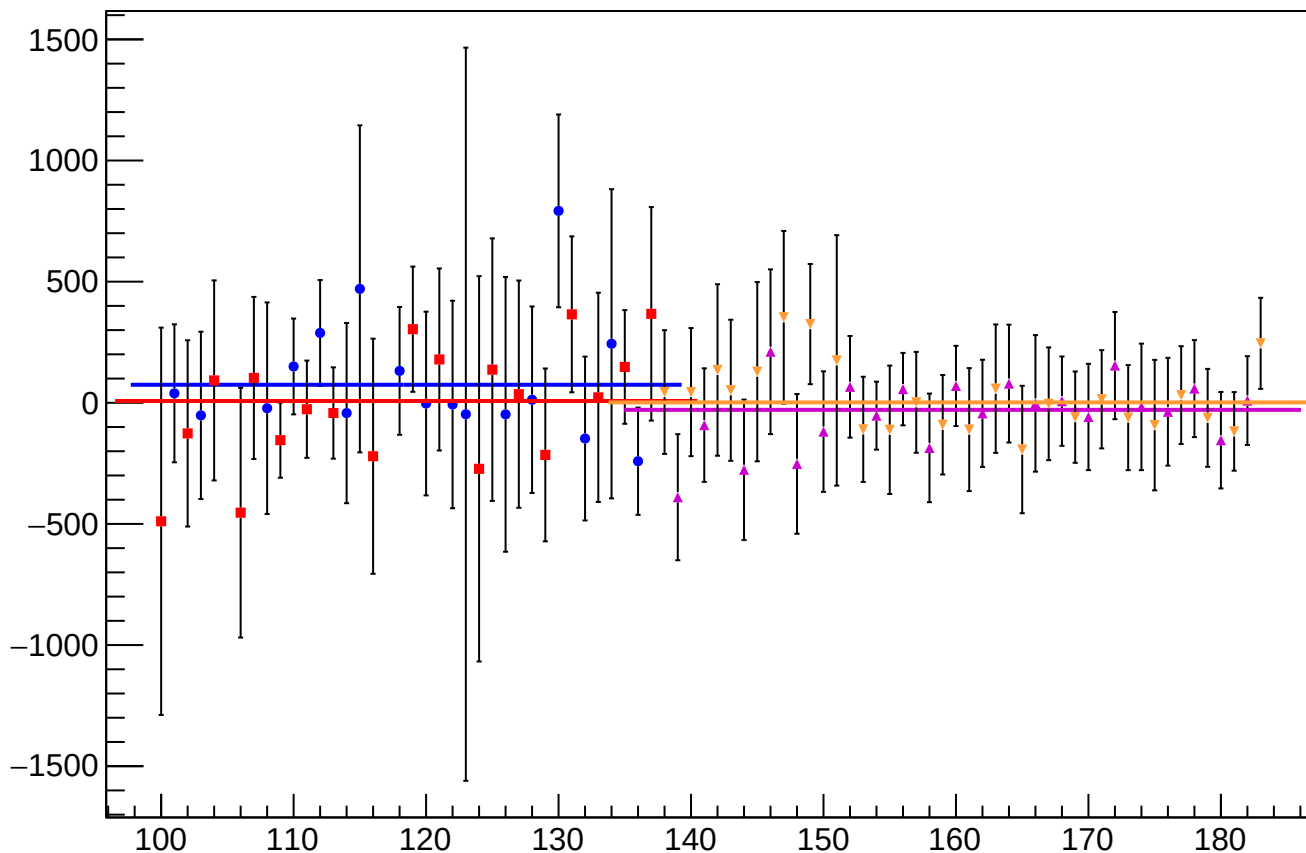
Left In: 181.188 $\pm$ 0.032 χ^2 /NDF:1087387.2/21

+ sign 168.585 $\pm$ 0.025 χ^2 /NDF: 2582068.5/40

All: 165.923 $\pm$ 0.017 χ^2 /NDF: 5431930.2/81

- sign 163.346 $\pm$ 0.025 χ^2 /NDF: 2827383.2/40

asym_bcm_an_ds_mean vs Slug



Right In: 74.411+/-79.831 χ^2/NDF : 7.7/16

Left Out: 1.640+/-48.093 χ^2/NDF : 7.2/23

Right Out: 7.330+/-70.110 χ^2/NDF : 7.2/18

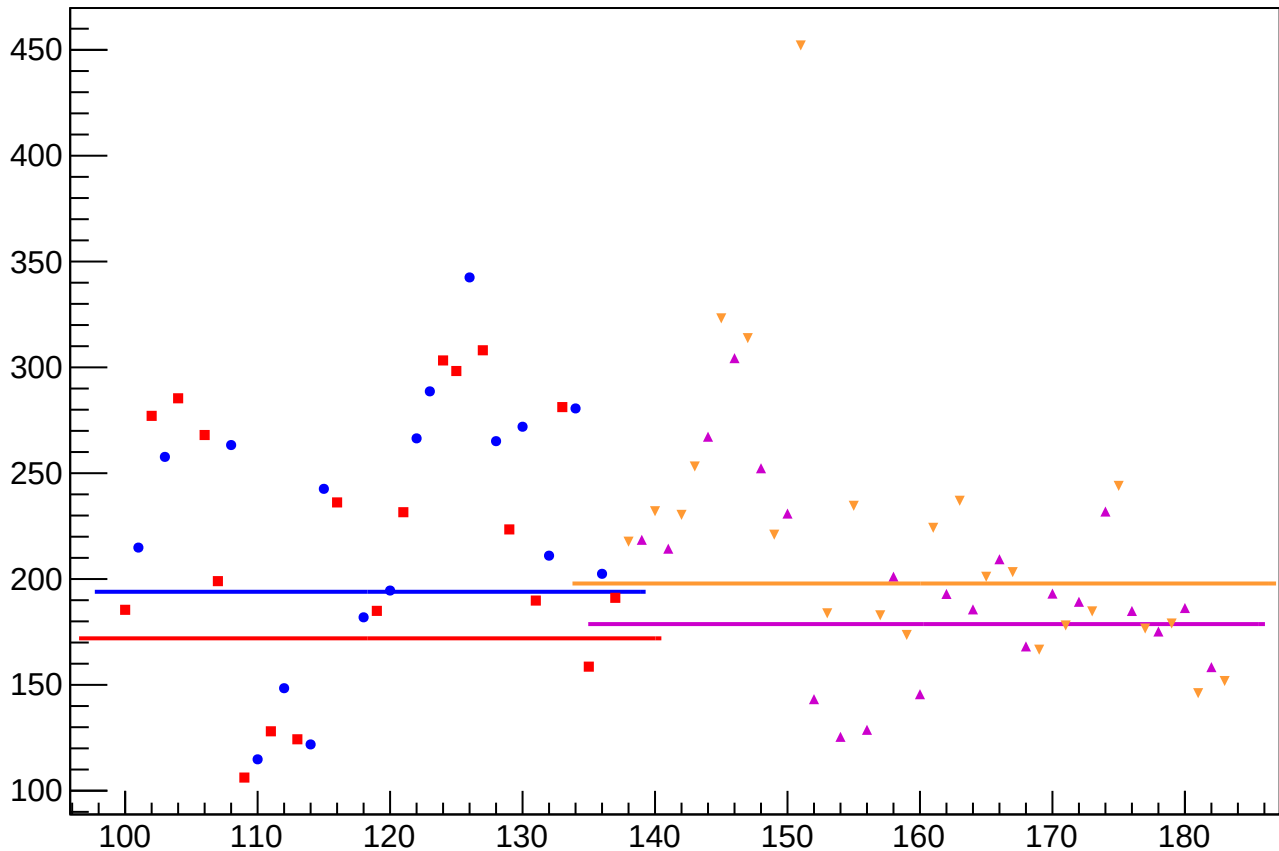
Left In: -29.104+/-45.093 χ^2/NDF : 6.9/21

+ sign 21.018+/-41.195 χ^2/NDF : 15.6/40

All: -0.340+/-27.902 χ^2/NDF : 30.4/81

- sign -18.443+/-37.926 χ^2/NDF : 14.3/40

asym_bcm_an_ds_rms vs Slug



Right In: 193.981 $\pm$ 0.056 χ^2 /NDF: 1018863.8/16

Left Out: 197.892 $\pm$ 0.034 χ^2 /NDF: 1732079.1/23

Right Out: 171.982 $\pm$ 0.050 χ^2 /NDF: 1574584.7/18

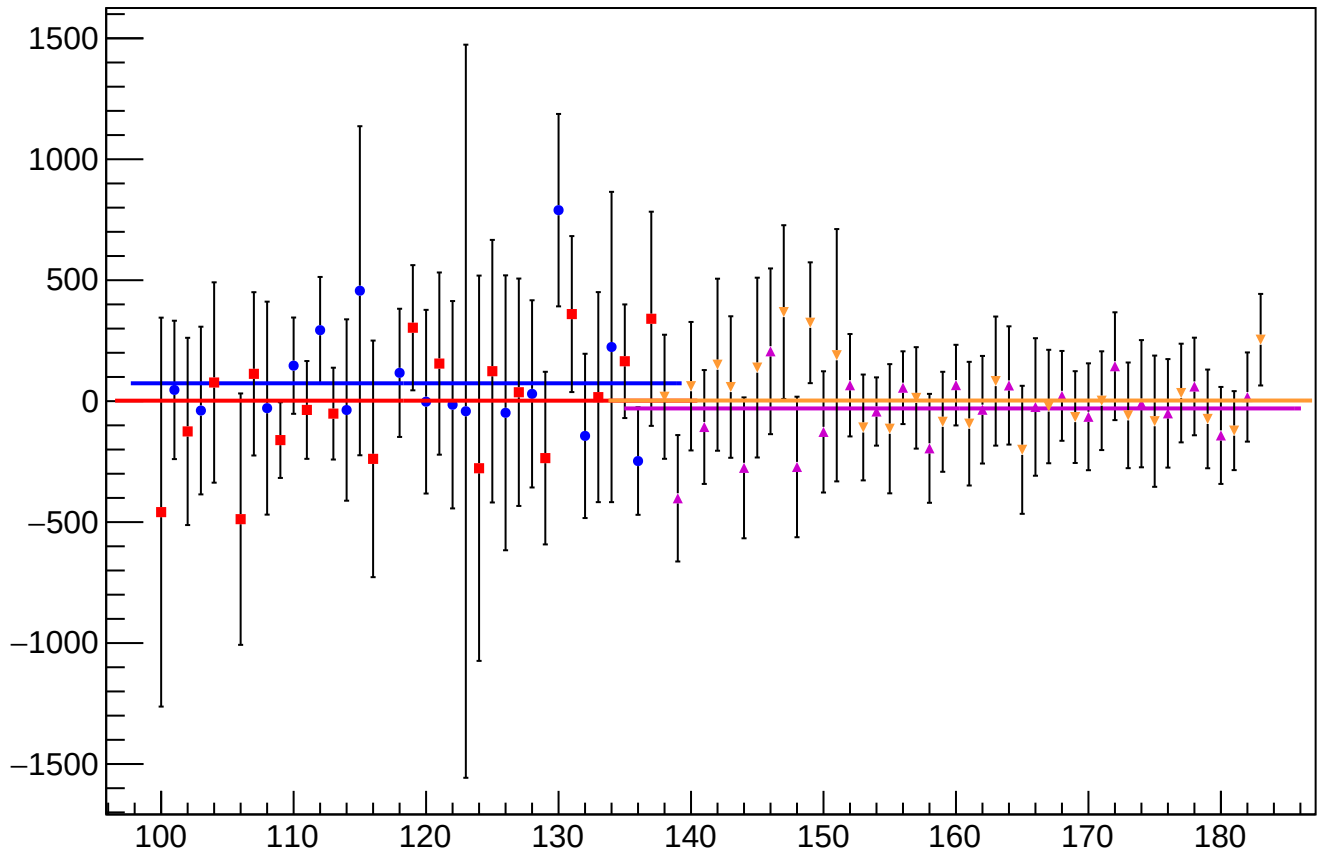
Left In: 178.716 $\pm$ 0.032 χ^2 /NDF: 1605967.0/21

+ sign 196.850 $\pm$ 0.029 χ^2 /NDF: 2754464.5/40

All: 185.969 $\pm$ 0.020 χ^2 /NDF: 6205887.6/81

- sign 176.746 $\pm$ 0.027 χ^2 /NDF: 3193603.7/40

asym_bcm_an_ds3_mean vs Slug



Right In: 73.870 ± 80.221 χ^2/NDF : 7.7/16

Left Out: 2.635 ± 48.428 χ^2/NDF : 7.5/23

Right Out: 2.039 ± 70.480 χ^2/NDF : 7.4/18

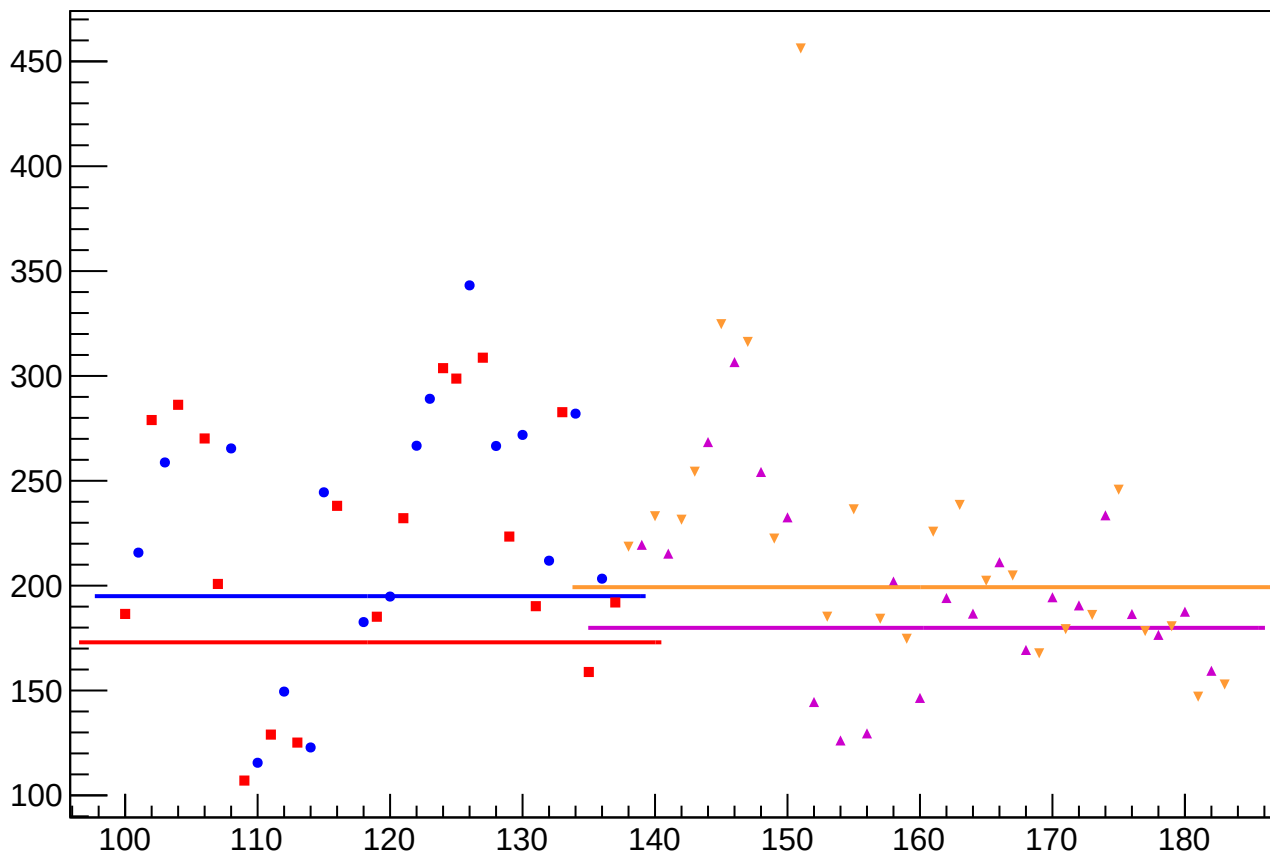
Left In: -30.094 ± 45.387 χ^2/NDF : 7.0/21

+ sign 21.661 ± 41.459 χ^2/NDF : 15.8/40

All: -1.258 ± 28.077 χ^2/NDF : 30.8/81

- sign -20.675 ± 38.159 χ^2/NDF : 14.5/40

asym_bcm_an_ds3_rms vs Slug



Right In: 194.991 $\pm$ 0.057 χ^2 /NDF: 1010319.8/16

Left Out: 199.275 $\pm$ 0.034 χ^2 /NDF: 1728032.9/23

Right Out: 172.973 $\pm$ 0.050 χ^2 /NDF: 1562363.3/18

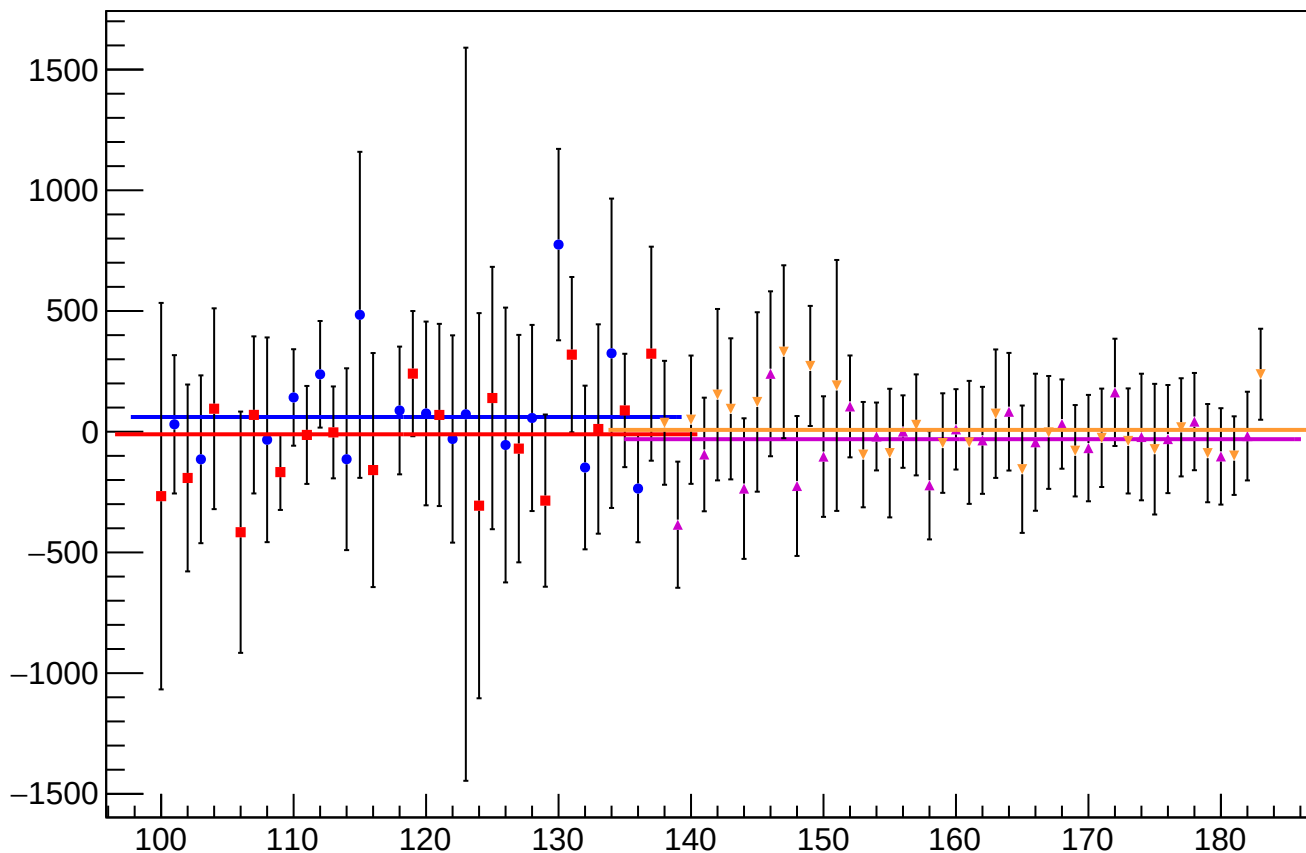
Left In: 179.876 $\pm$ 0.032 χ^2 /NDF: 1605354.9/21

+ sign 198.131 $\pm$ 0.029 χ^2 /NDF: 2742532.6/40

All: 187.153 $\pm$ 0.020 χ^2 /NDF: 6182845.0/81

- sign 177.853 $\pm$ 0.027 χ^2 /NDF: 3181279.3/40

asym_bcm_an_us_mean vs Slug



Right In: 60.929 ± 80.216 χ^2/NDF : 7.4/16

Left Out: 7.524 ± 48.303 χ^2/NDF : 5.9/23

Right Out: -10.668 ± 70.402 χ^2/NDF : 5.8/18

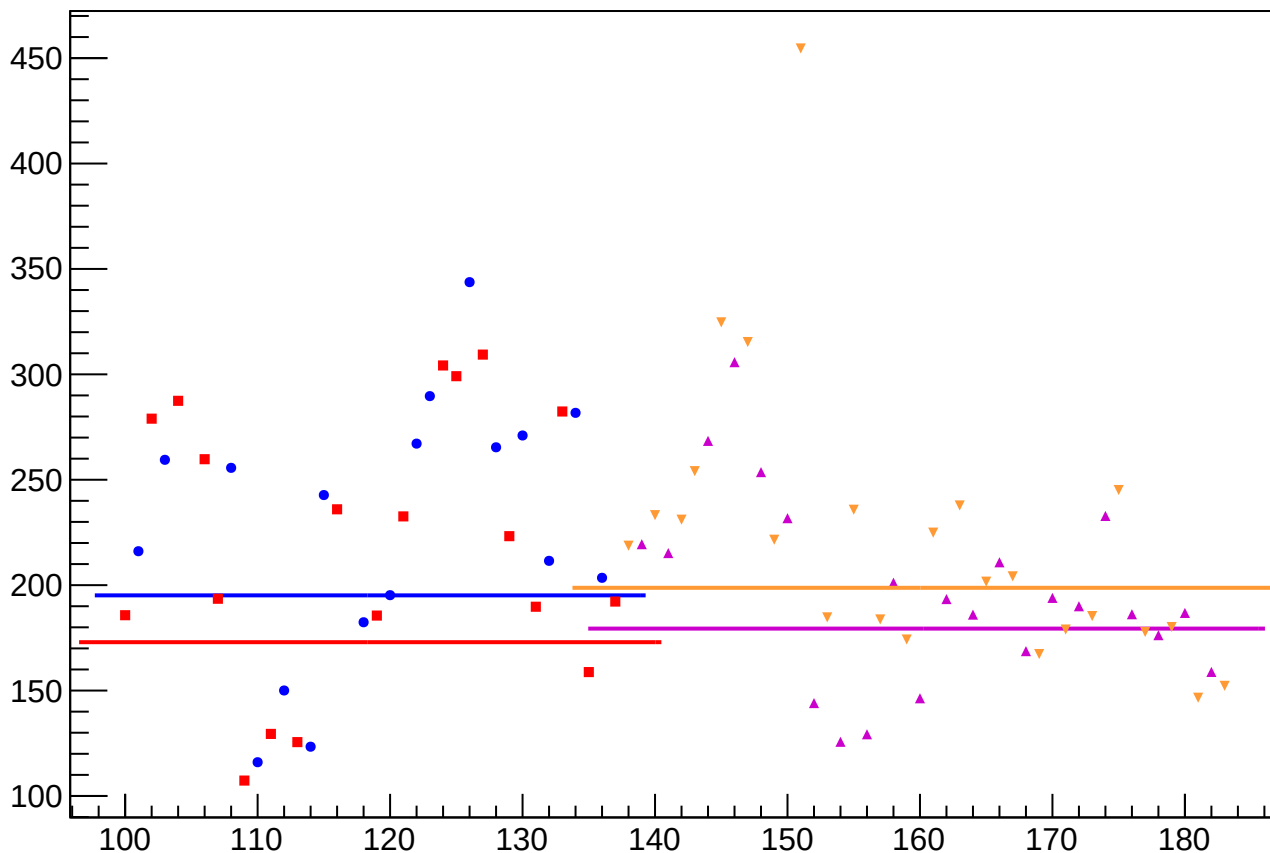
Left In: -30.951 ± 45.267 χ^2/NDF : 6.2/21

+ sign 21.735 ± 41.380 χ^2/NDF : 13.6/40

All: -3.583 ± 28.019 χ^2/NDF : 26.4/81

- sign -25.018 ± 38.075 χ^2/NDF : 12.1/40

asym_bcm_an_us_rms vs Slug



Right In: 195.157 $\pm$ 0.057 χ^2 /NDF: 988306.7/16

Left Out: 198.746 $\pm$ 0.034 χ^2 /NDF:1733384.8/23

Right Out: 172.948 $\pm$ 0.050 χ^2 /NDF: 1539308.8/18

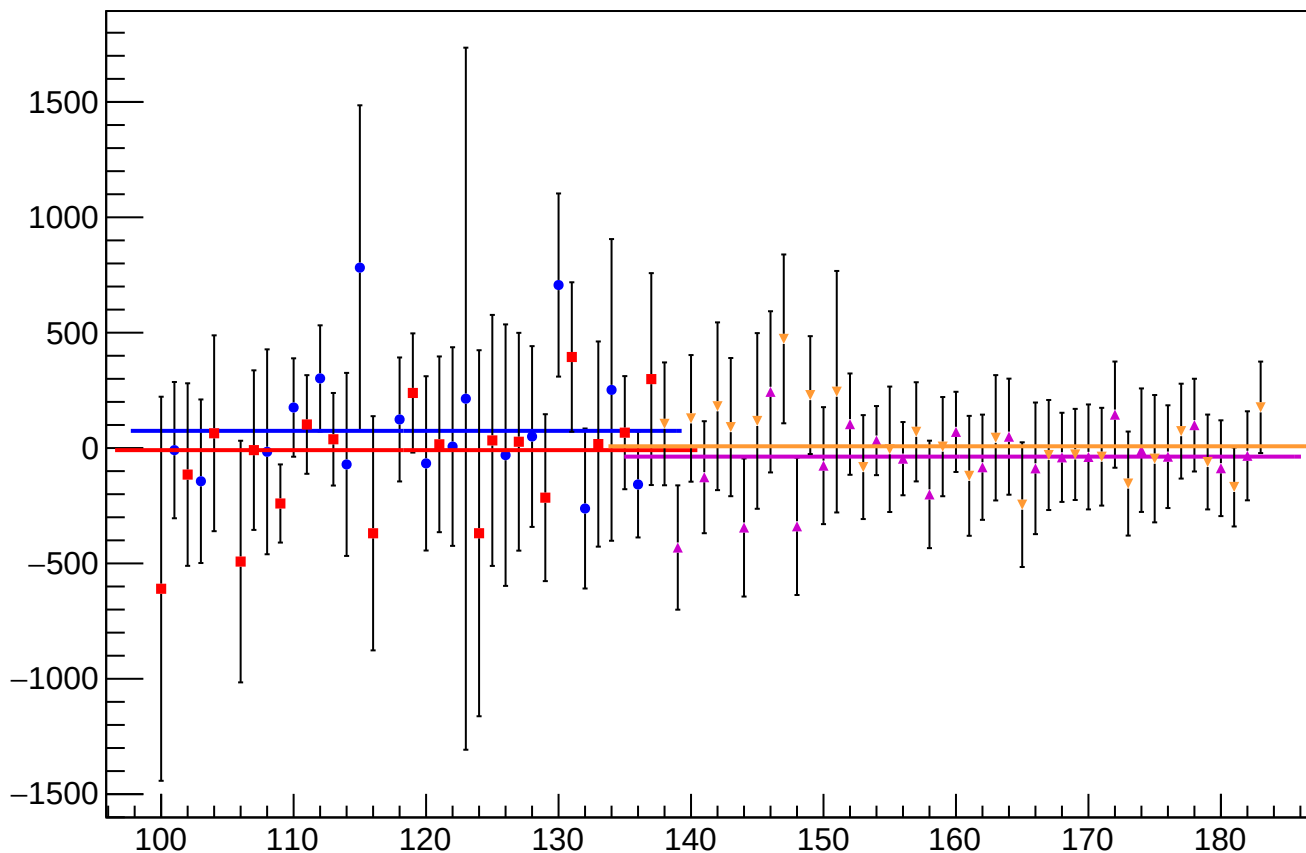
Left In: 179.392 $\pm$ 0.032 χ^2 /NDF:1609131.1/21

+ sign 197.791 $\pm$ 0.029 χ^2 /NDF: 2724629.9/40

All: 186.807 $\pm$ 0.020 χ^2 /NDF: 6145155.4/81

- sign 177.507 $\pm$ 0.027 χ^2 /NDF: 3160296.1/40

asym_bcm_dg_us_mean vs Slug



Right In: 74.541 $\pm$ 82.742 χ^2 /NDF: 7.7/16

Left Out: 7.664 $\pm$ 49.801 χ^2 /NDF: 7.3/23

Right Out: -9.056 $\pm$ 73.353 χ^2 /NDF: 7.7/18

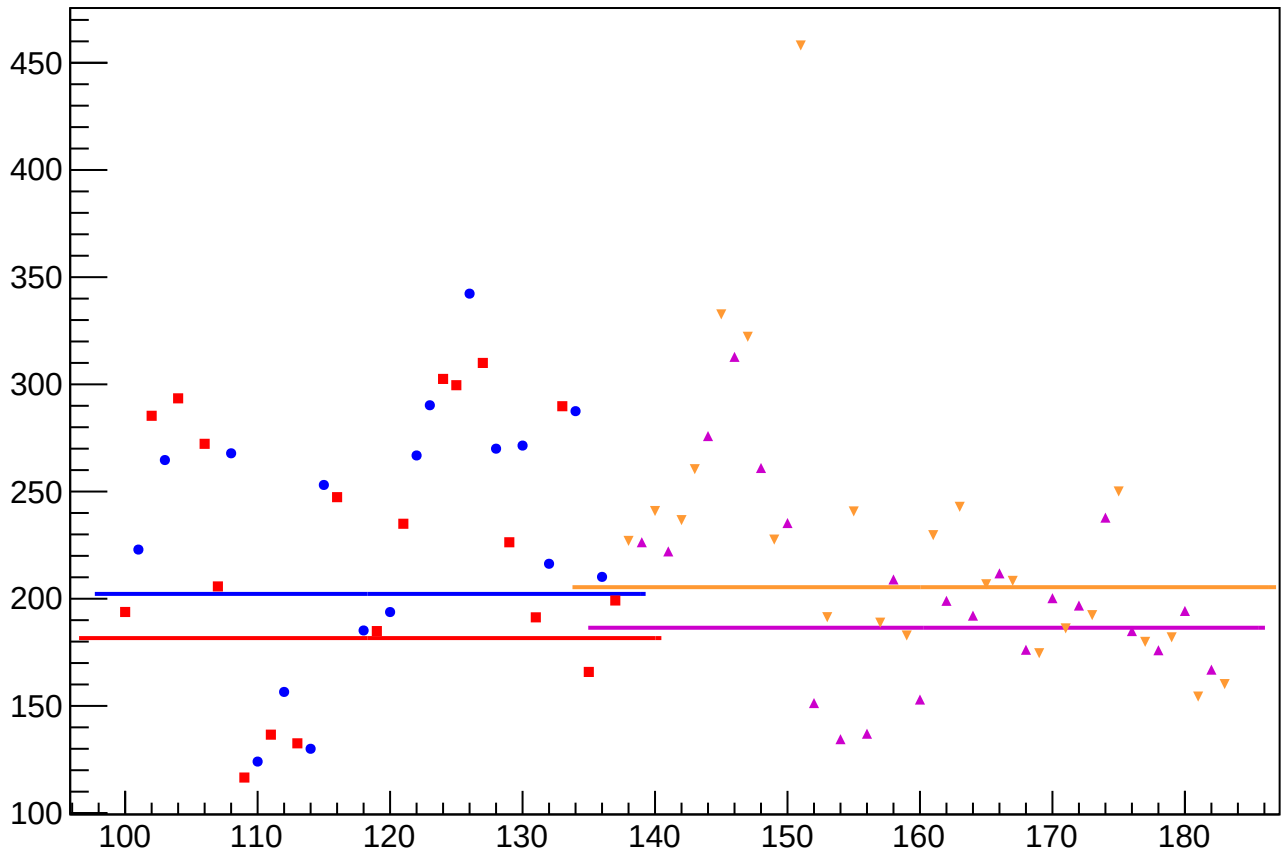
Left In: -37.155 $\pm$ 46.887 χ^2 /NDF: 7.9/21

+ sign 25.448 $\pm$ 42.669 χ^2 /NDF: 15.5/40

All: -3.871 $\pm$ 28.989 χ^2 /NDF: 32.1/81

- sign -29.004 $\pm$ 39.506 χ^2 /NDF: 15.7/40

asym_bcm_dg_us_rms vs Slug



Right In: 202.251 $\pm$ 0.059 χ^2 /NDF: 883731.1/16

Left Out: 205.388 $\pm$ 0.035 χ^2 /NDF:1631333.2/23

+ sign 204.553 $\pm$ 0.030 χ^2 /NDF: 2517174.1/40

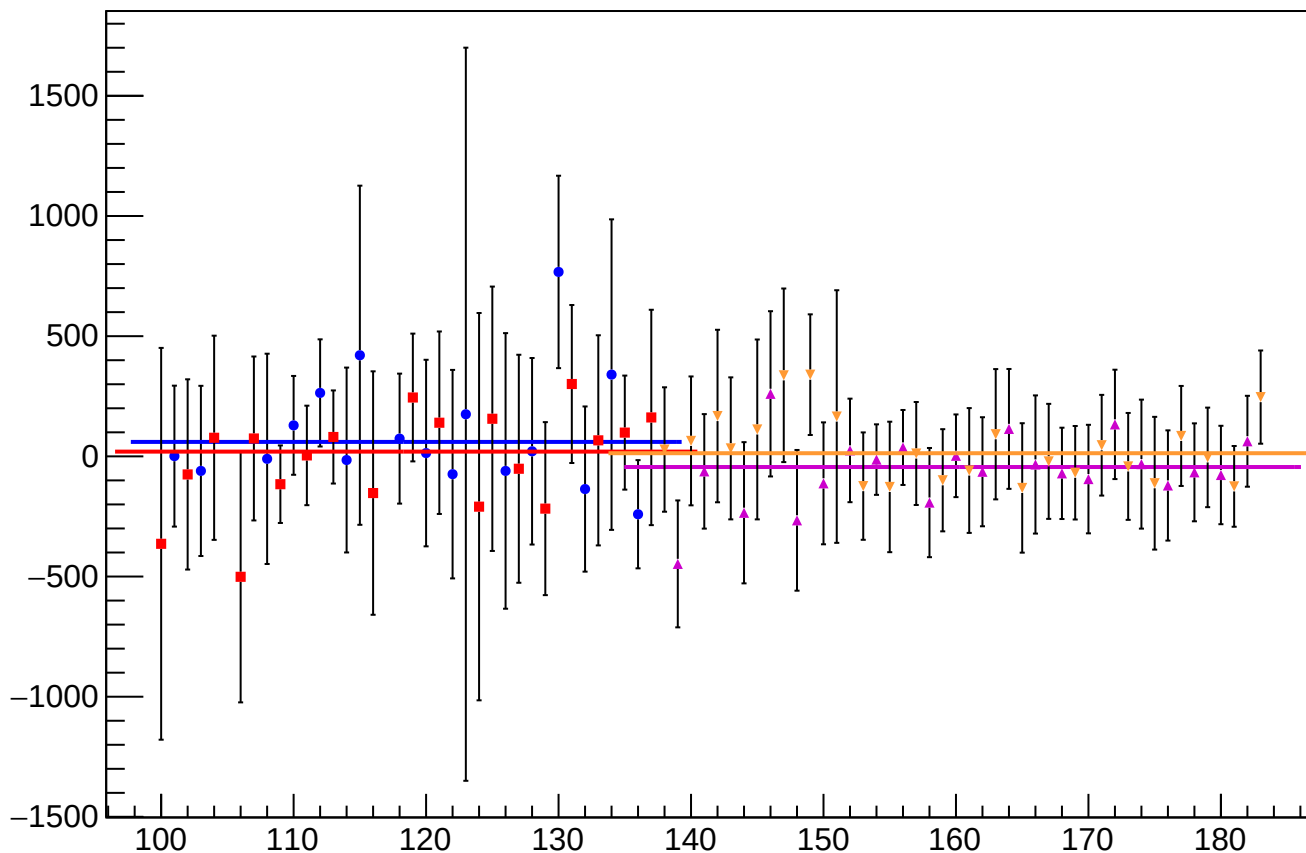
Right Out: 181.640 $\pm$ 0.052 χ^2 /NDF: 1373481.9/18

All: 194.060 $\pm$ 0.020 χ^2 /NDF: 5570051.7/81

Left In: 186.463 $\pm$ 0.033 χ^2 /NDF:1448593.7/21

- sign 185.064 $\pm$ 0.028 χ^2 /NDF: 2828215.8/40

asym_bcm_dg_ds_mean vs Slug



Right In: 60.119+/-81.659 χ^2/NDF : 7.0/16

Left Out: 13.097+/-49.349 χ^2/NDF : 7.0/23

Right Out: 19.746+/-71.914 χ^2/NDF : 4.6/18

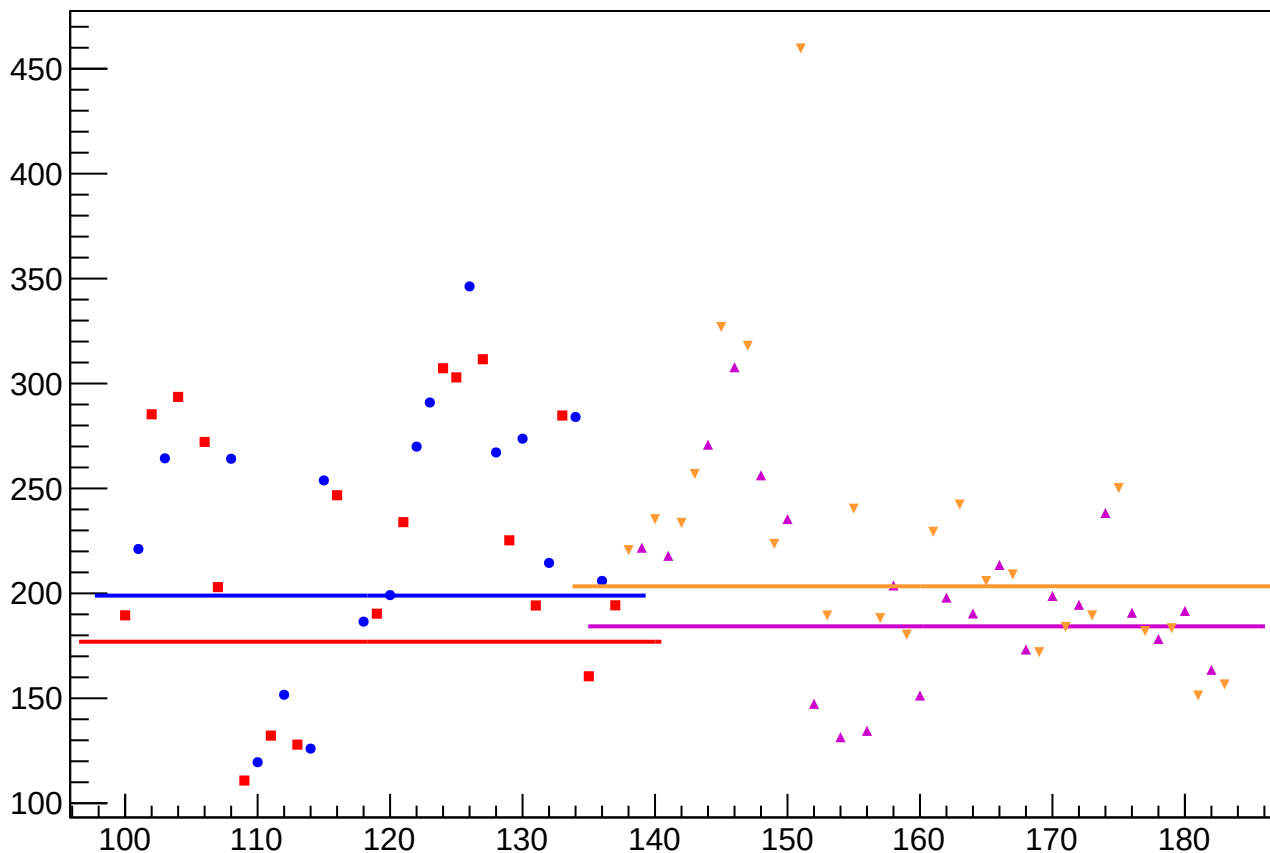
Left In: -44.366+/-46.393 χ^2/NDF : 6.7/21

+ sign 25.676+/-42.236 χ^2/NDF : 14.3/40

All: -1.971+/-28.647 χ^2/NDF : 26.9/81

- sign -25.525+/-38.984 χ^2/NDF : 11.8/40

asym_bcm_dg_ds_rms vs Slug



Right In: 198.943 $\pm$ 0.058 χ^2 /NDF: 965773.2/16

Left Out: 203.385 $\pm$ 0.035 χ^2 /NDF:1648597.4/23

Right Out: 176.962 $\pm$ 0.051 χ^2 /NDF: 1519544.5/18

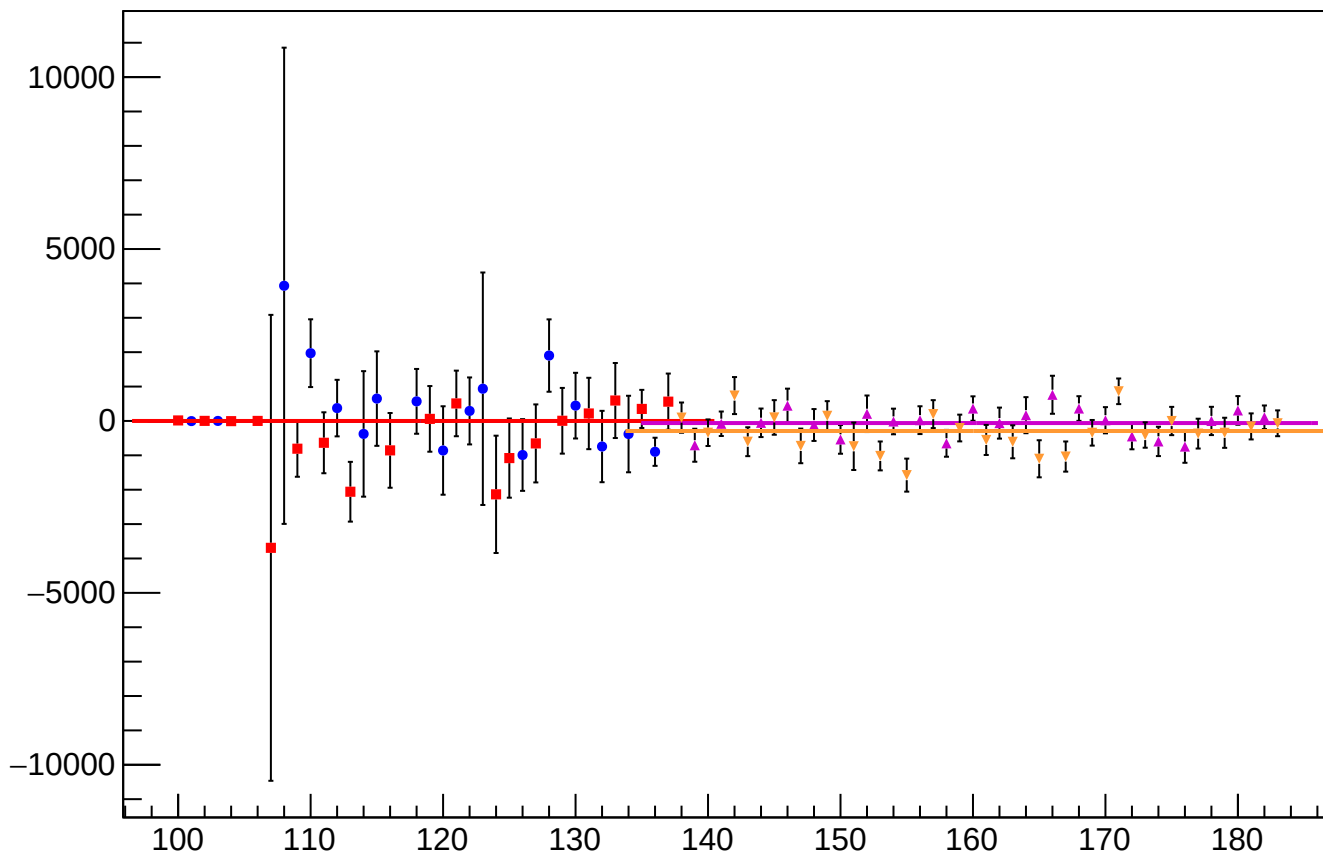
Left In: 184.293 $\pm$ 0.033 χ^2 /NDF:1483134.2/21

+ sign 202.197 $\pm$ 0.030 χ^2 /NDF: 2618706.5/40

All: 191.366 $\pm$ 0.020 χ^2 /NDF: 5879635.6/81

- sign 182.138 $\pm$ 0.028 χ^2 /NDF: 3017354.7/40

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.9/16

Left Out: -292.694 ± 87.822 χ^2/NDF : 36.1/23

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.2/18

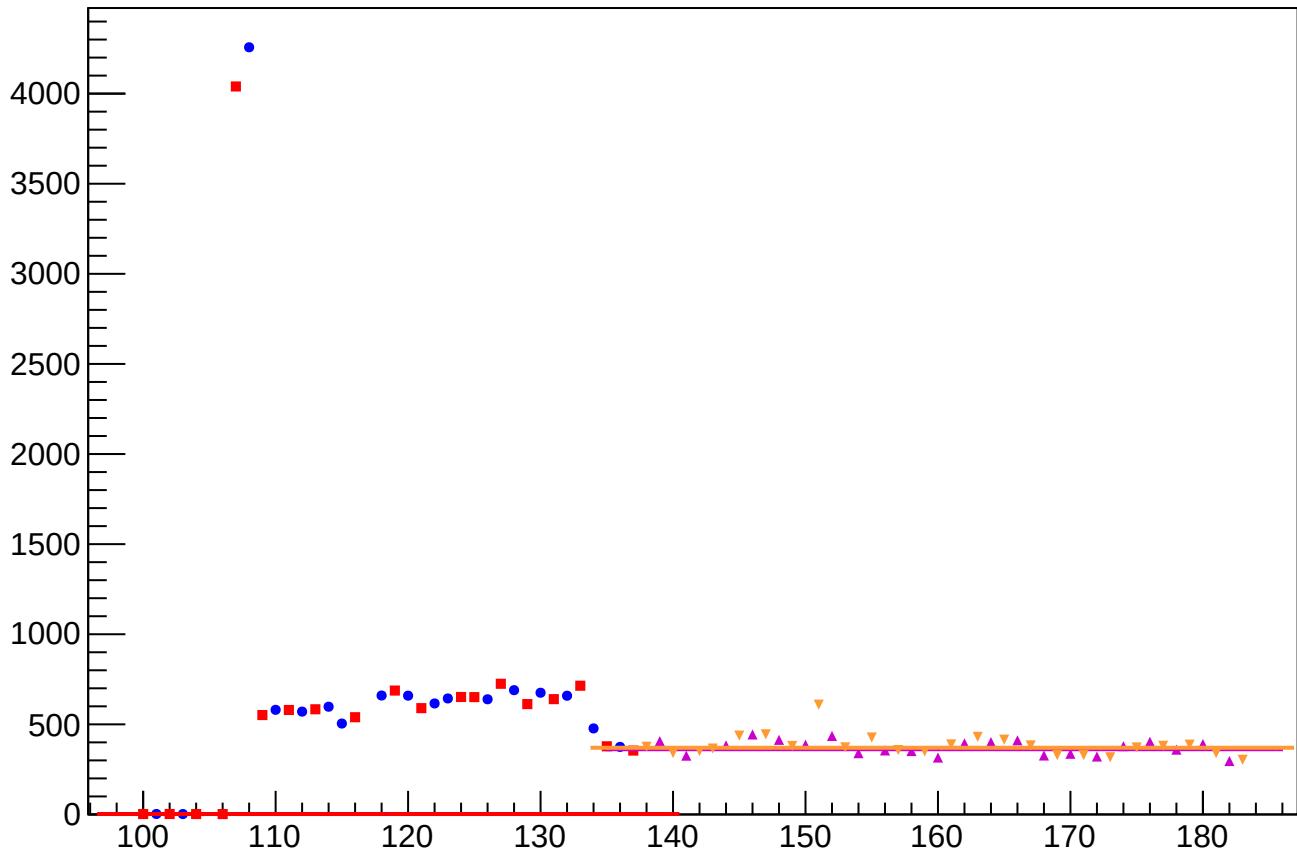
Left In: -61.354 ± 88.513 χ^2/NDF : 17.8/21

+ sign -1.720 ± 2.251 χ^2/NDF : 64.0/40

All: -1.212 ± 1.540 χ^2/NDF : 100.6/81

- sign -0.765 ± 2.111 χ^2/NDF : 36.5/40

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10667142.2/16

Left Out: 370.147+/-0.062 χ^2/NDF : 590432.0/23

Right Out: 2.436+/-0.001 χ^2/NDF : 11094072.3/18

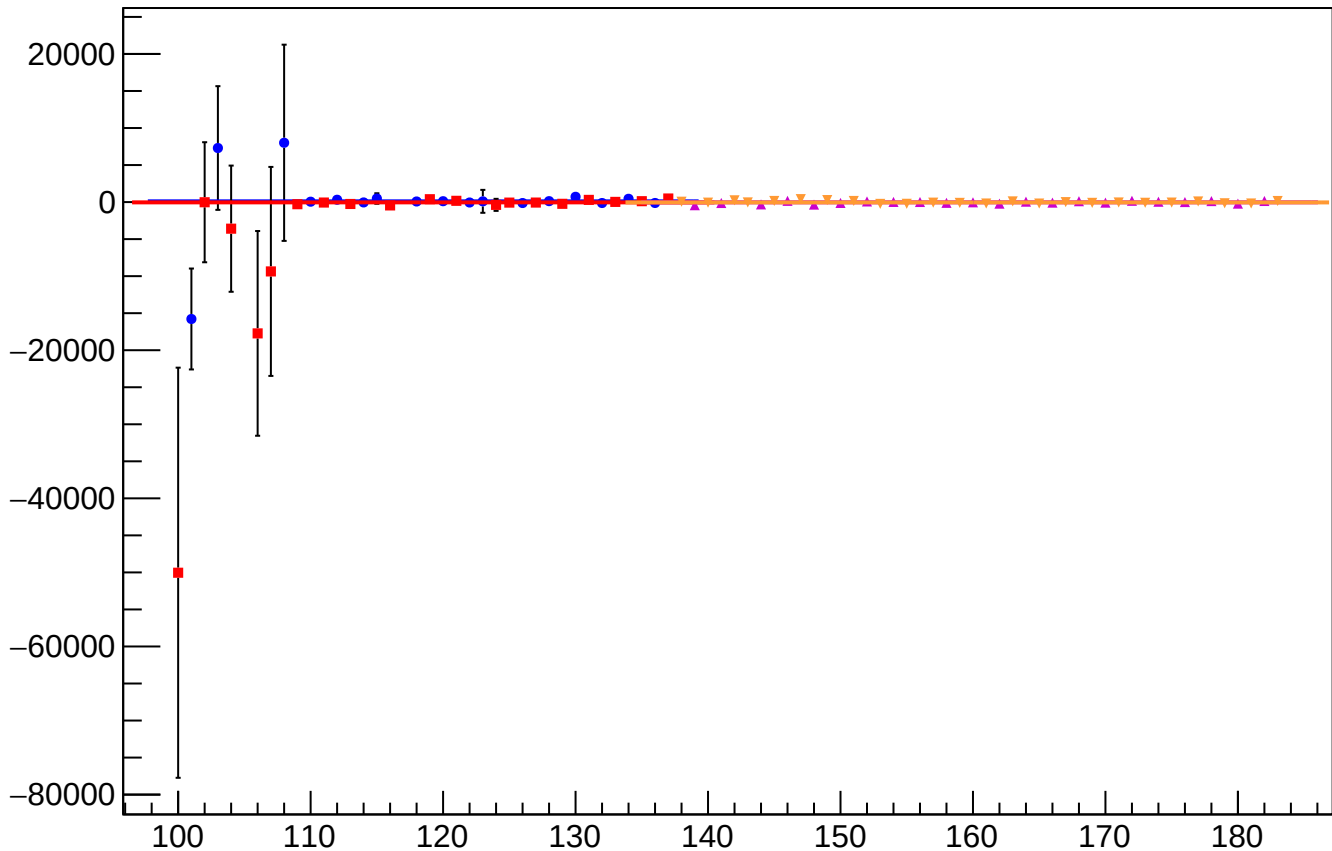
Left In: 361.969+/-0.063 χ^2/NDF : 400727.7/21

+ sign 2.697+/-0.002 χ^2/NDF : 46292526.2/40

All: 2.667+/-0.001 χ^2/NDF : 90767259.8/81

- sign 2.641+/-0.001 χ^2/NDF : 44474063.8/40

asym_cav4cQ_mean vs Slug



Right In: 99.358+/-92.026 χ^2/NDF : 12.0/16

Left Out: -45.105+/-50.154 χ^2/NDF : 8.5/23

Right Out: -38.144+/-84.576 χ^2/NDF : 14.1/18

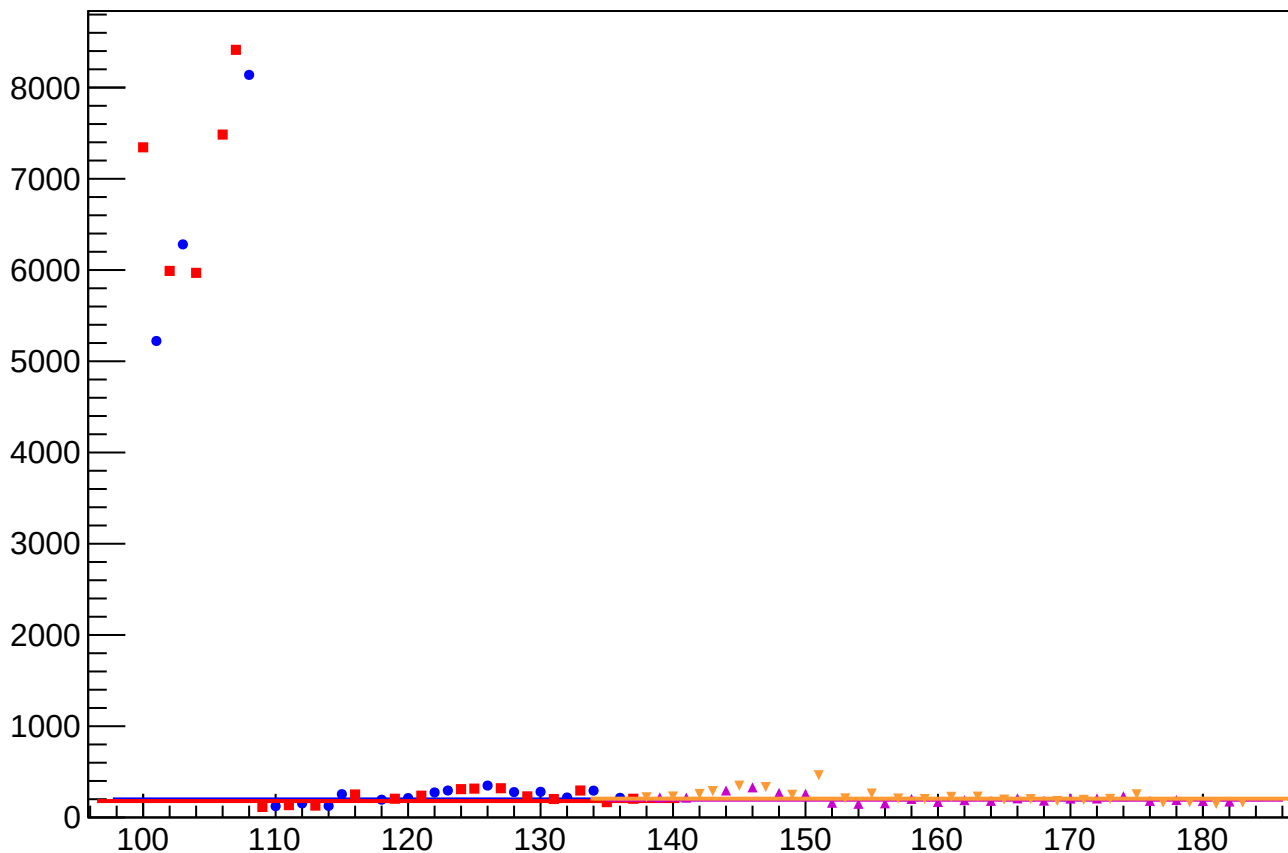
Left In: -30.148+/-48.597 χ^2/NDF : 9.5/21

+ sign -12.023+/-44.039 χ^2/NDF : 22.4/40

All: -22.521+/-30.445 χ^2/NDF : 46.2/81

- sign -32.133+/-42.137 χ^2/NDF : 23.6/40

asym_cav4cQ_rms vs Slug



Right In: 197.646 $\pm$ 0.065 χ^2 /NDF: 3699445.6/16

Left Out: 206.105 $\pm$ 0.035 χ^2 /NDF: 1923418.0/23

Right Out: 179.782 $\pm$ 0.060 χ^2 /NDF: 4315815.4/18

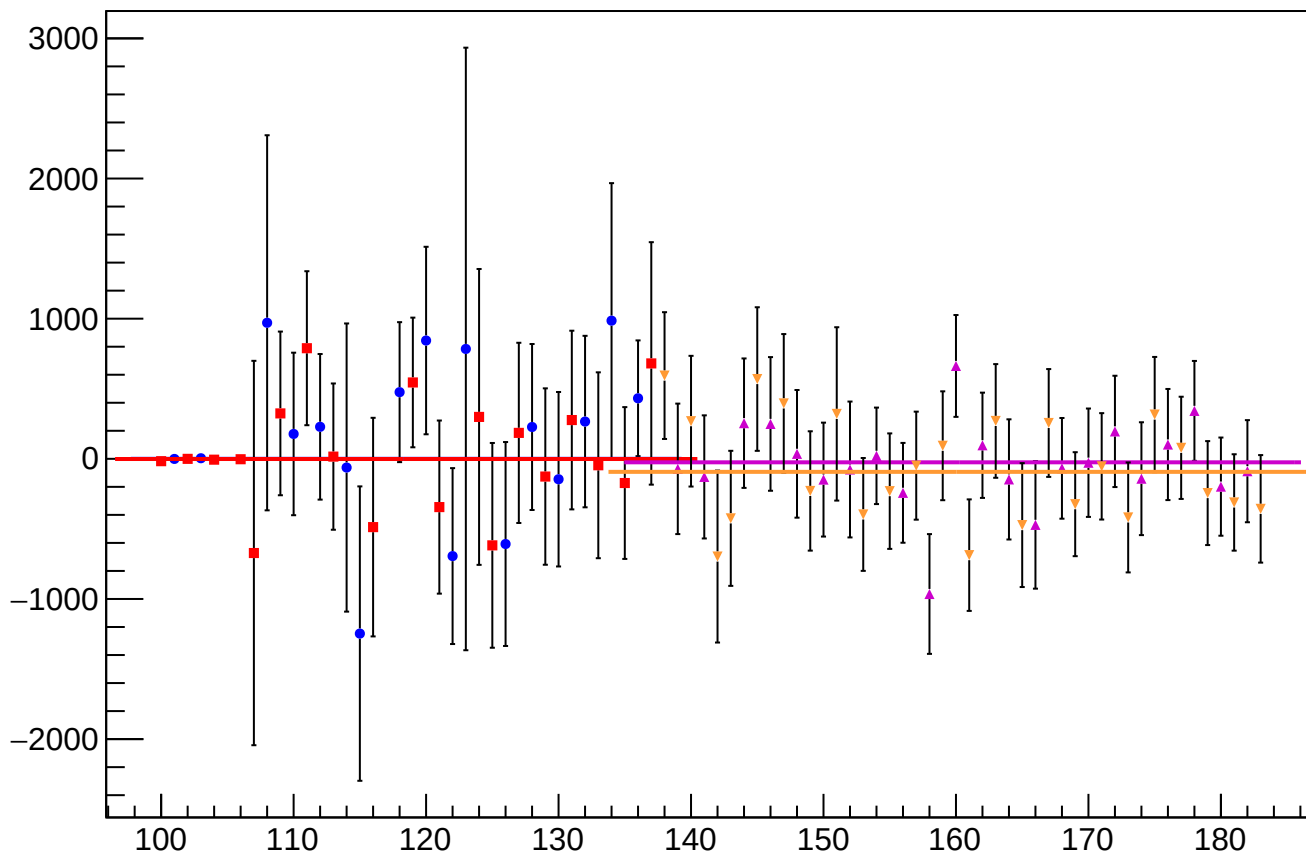
Left In: 194.270 $\pm$ 0.034 χ^2 /NDF: 1163832.5/21

+ sign 204.168 $\pm$ 0.031 χ^2 /NDF: 5635893.1/40

All: 197.123 $\pm$ 0.022 χ^2 /NDF: 11257696.1/83

- sign 190.674 $\pm$ 0.030 χ^2 /NDF: 5523769.1/40

asym_cav4dQ_mean vs Slug



Right In: -0.141 ± 1.737 χ^2/NDF : 10.1/16

Left Out: -93.002 ± 84.872 χ^2/NDF : 16.4/23

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.3/18

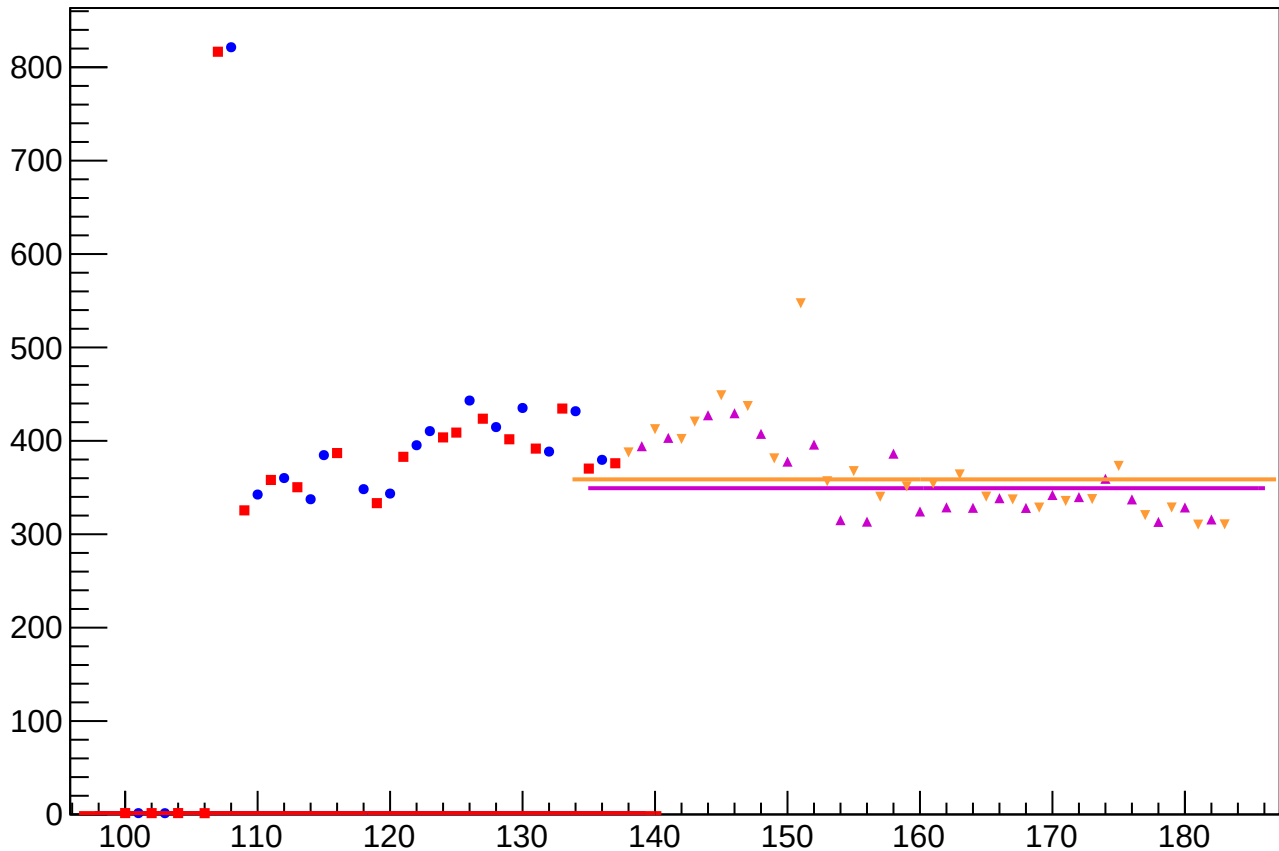
Left In: -24.962 ± 85.247 χ^2/NDF : 12.7/21

+ sign -0.180 ± 1.736 χ^2/NDF : 27.7/40

All: -0.795 ± 1.185 χ^2/NDF : 50.0/81

- sign -1.331 ± 1.622 χ^2/NDF : 22.0/40

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10771707.1/16

Left Out: 358.767+/-0.060 χ^2/NDF : 533205.3/23

Right Out: 1.451+/-0.001 χ^2/NDF : 10831648.9/18

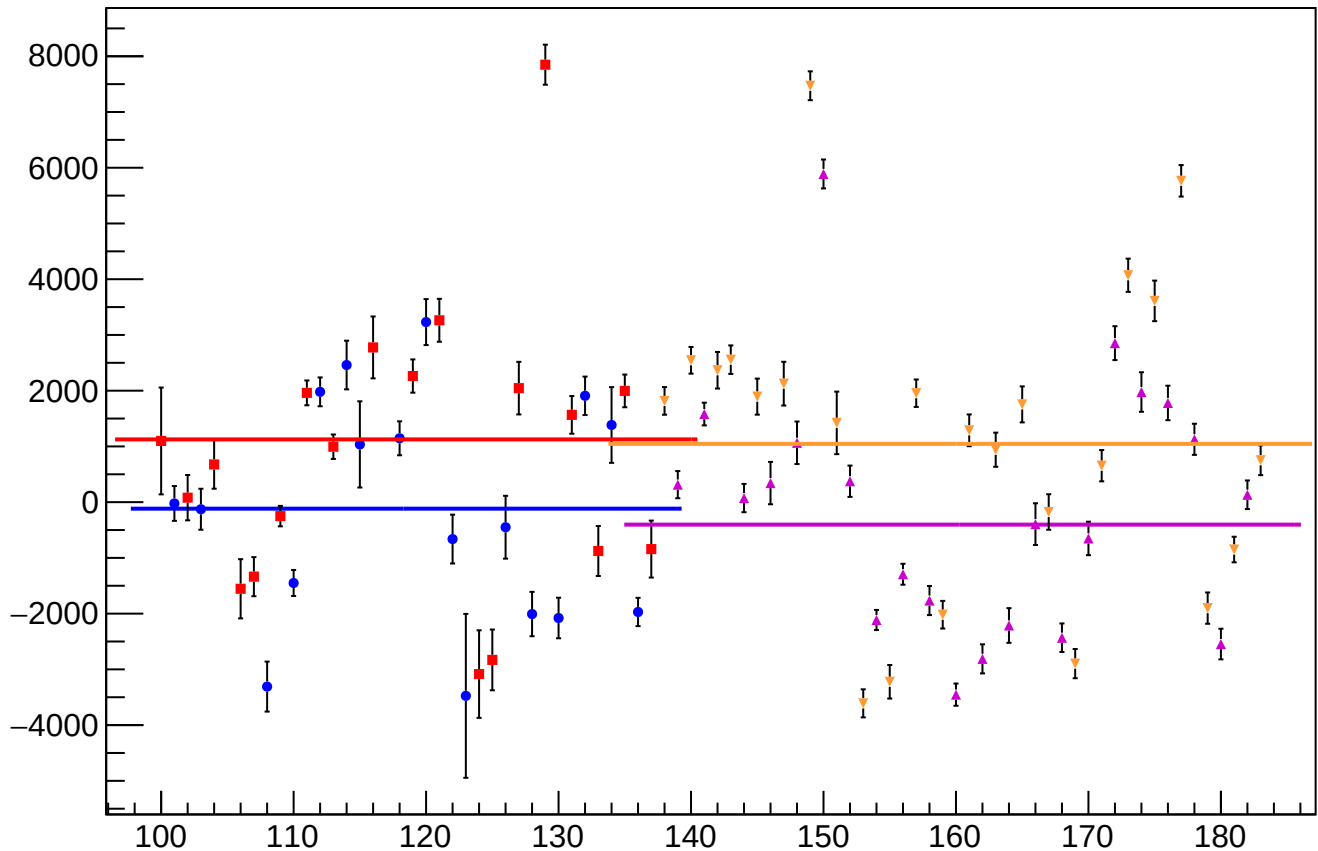
Left In: 349.304+/-0.060 χ^2/NDF : 355957.5/21

+ sign 1.602+/-0.001 χ^2/NDF : 46739392.8/40

All: 1.588+/-0.001 χ^2/NDF : 91216545.8/81

- sign 1.577+/-0.001 χ^2/NDF : 44476937.8/40

asym_bcm0l02_mean vs Slug



Right In: -116.817+/-88.319 χ^2/NDF : 420.4/16

Left Out: 1045.726+/-57.865 χ^2/NDF : 2301.2/23

Right Out: 1126.157+/-78.463 χ^2/NDF : 687.7/18

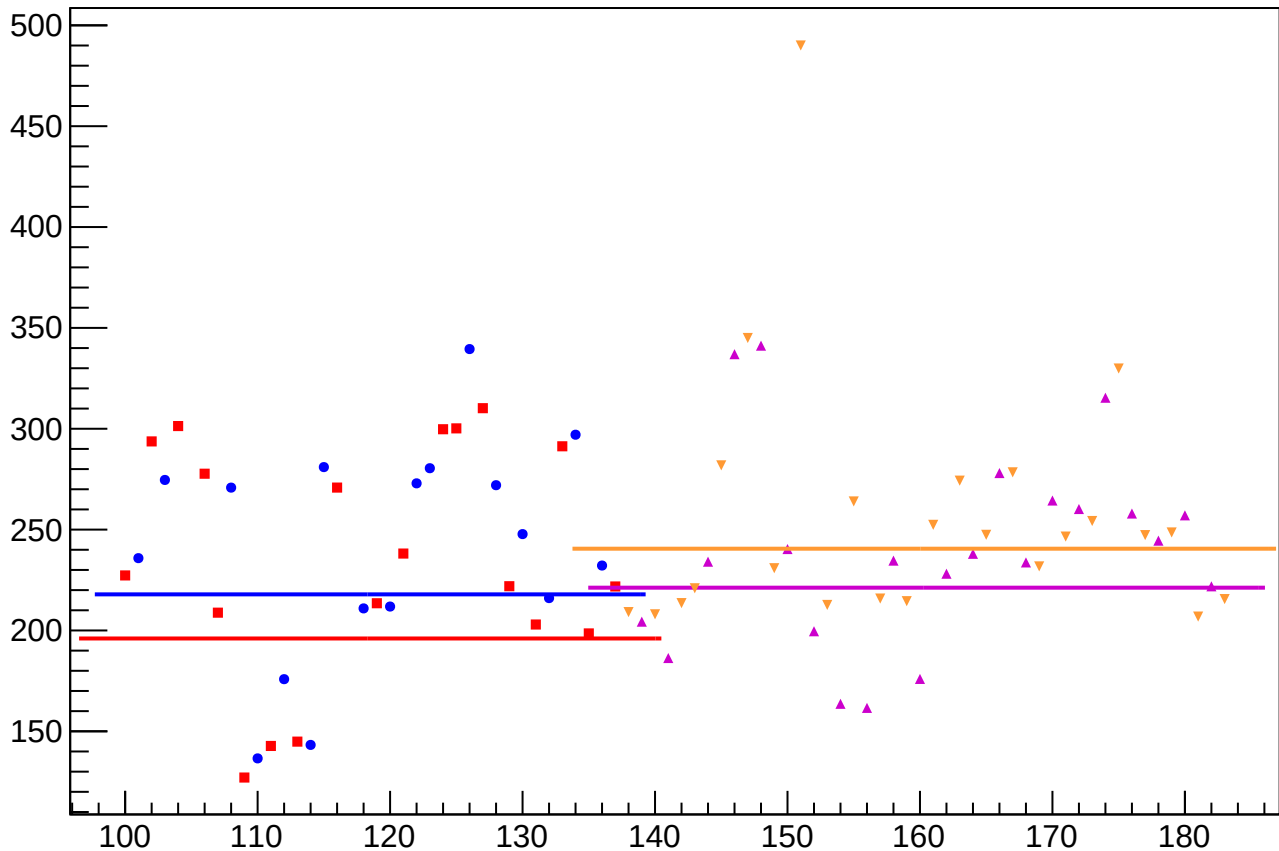
Left In: -402.981+/-55.417 χ^2/NDF : 1581.9/21

+ sign 696.571+/-48.401 χ^2/NDF : 2842.8/40

All: 381.500+/-33.060 χ^2/NDF : 5445.3/81

- sign 105.937+/-45.265 χ^2/NDF : 2523.0/40

asym_bcm0l02_rms vs Slug



Right In: 217.896 $\pm$ 0.062 χ^2/NDF : 661999.5/16

Left Out: 240.534 $\pm$ 0.041 χ^2/NDF : 993687.7/23

Right Out: 196.020 $\pm$ 0.055 χ^2/NDF : 1189250.9/18

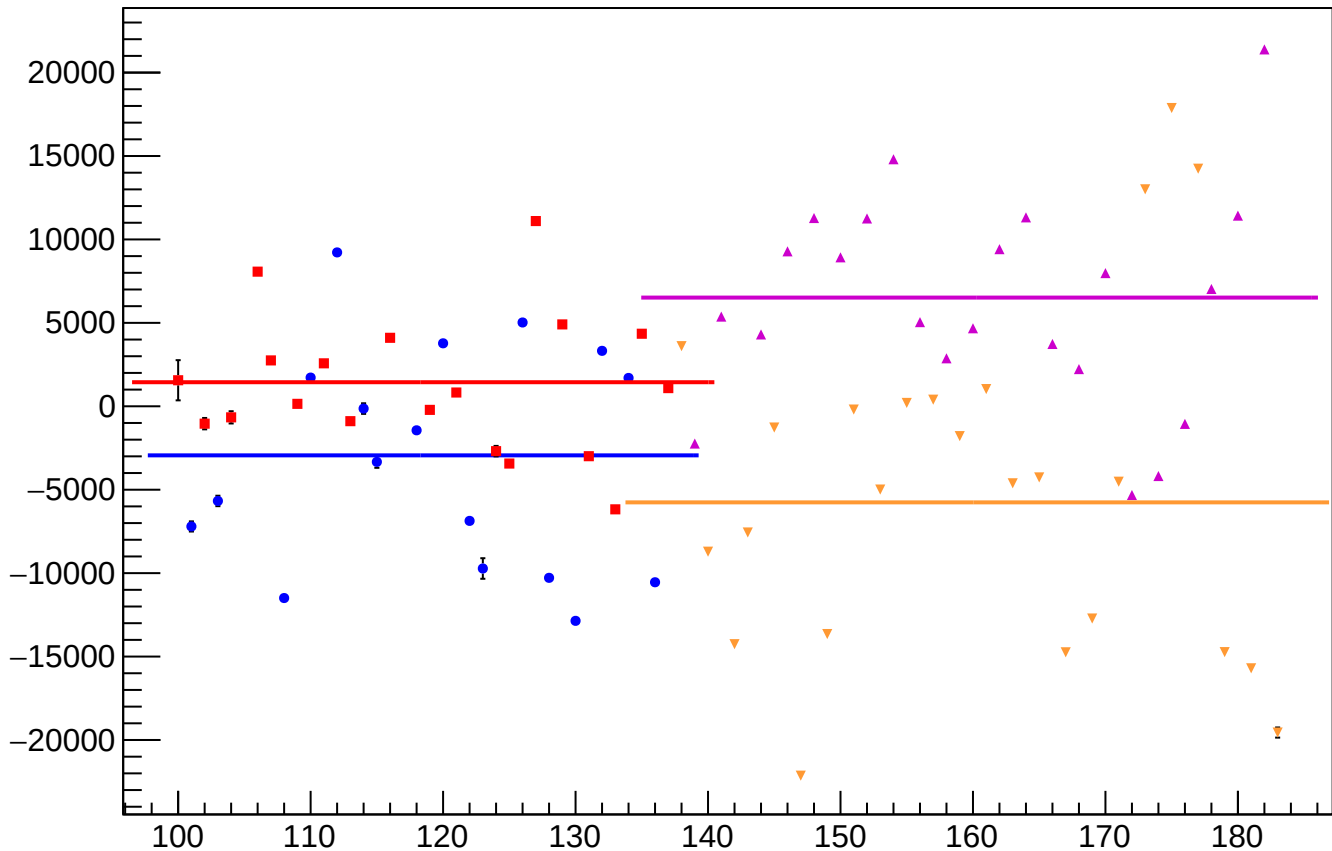
Left In: 221.208 $\pm$ 0.039 χ^2/NDF : 1342470.5/21

+ sign 233.735 $\pm$ 0.034 χ^2/NDF : 1747624.7/40

All: 222.581 $\pm$ 0.023 χ^2/NDF : 4615968.5/81

- sign 212.825 $\pm$ 0.032 χ^2/NDF : 2669233.2/40

asym_bpm2i01WS_mean vs Slug



Right In: -2940.841 ± 48.696 $\chi^2/\text{NDF}: 20909.3/16$

Left Out: -5758.568 ± 35.942 $\chi^2/\text{NDF}: 62381.9/23$

Right Out: 1442.426 ± 46.381 $\chi^2/\text{NDF}: 8011.4/18$

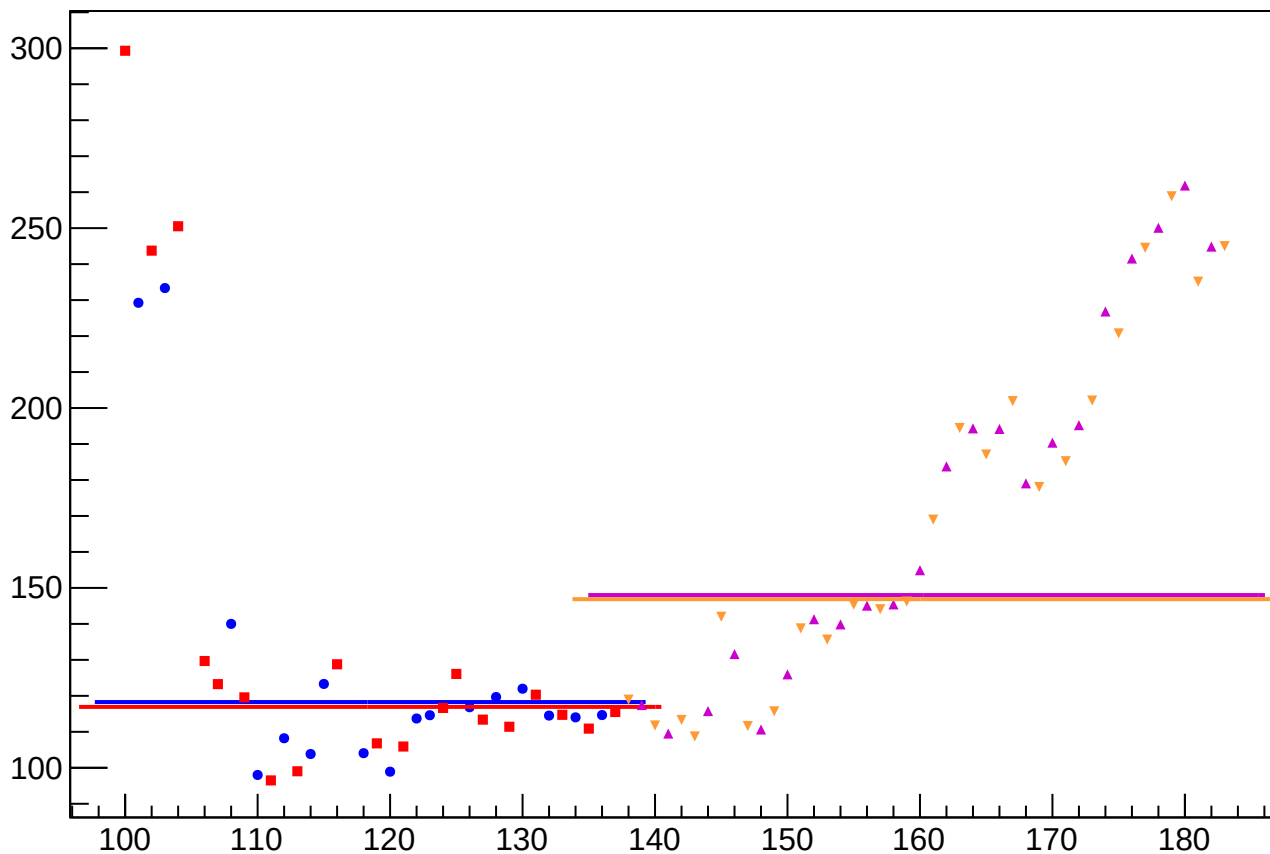
Left In: 6514.745 ± 37.277 $\chi^2/\text{NDF}: 20248.1/21$

+ sign -4764.879 ± 28.918 $\chi^2/\text{NDF}: 85458.7/40$

All: -142.359 ± 20.497 $\chi^2/\text{NDF}: 172330.1/81$

- sign 4524.154 ± 29.056 $\chi^2/\text{NDF}: 35525.8/40$

asym_bpm2i01WS_rms vs Slug



Right In: 118.278 $\pm$ 0.034 χ^2 /NDF: 637027.4/16

Left Out: 146.876 $\pm$ 0.025 χ^2 /NDF: 2437478.5/23

Right Out: 116.929 $\pm$ 0.033 χ^2 /NDF: 689591.4/18

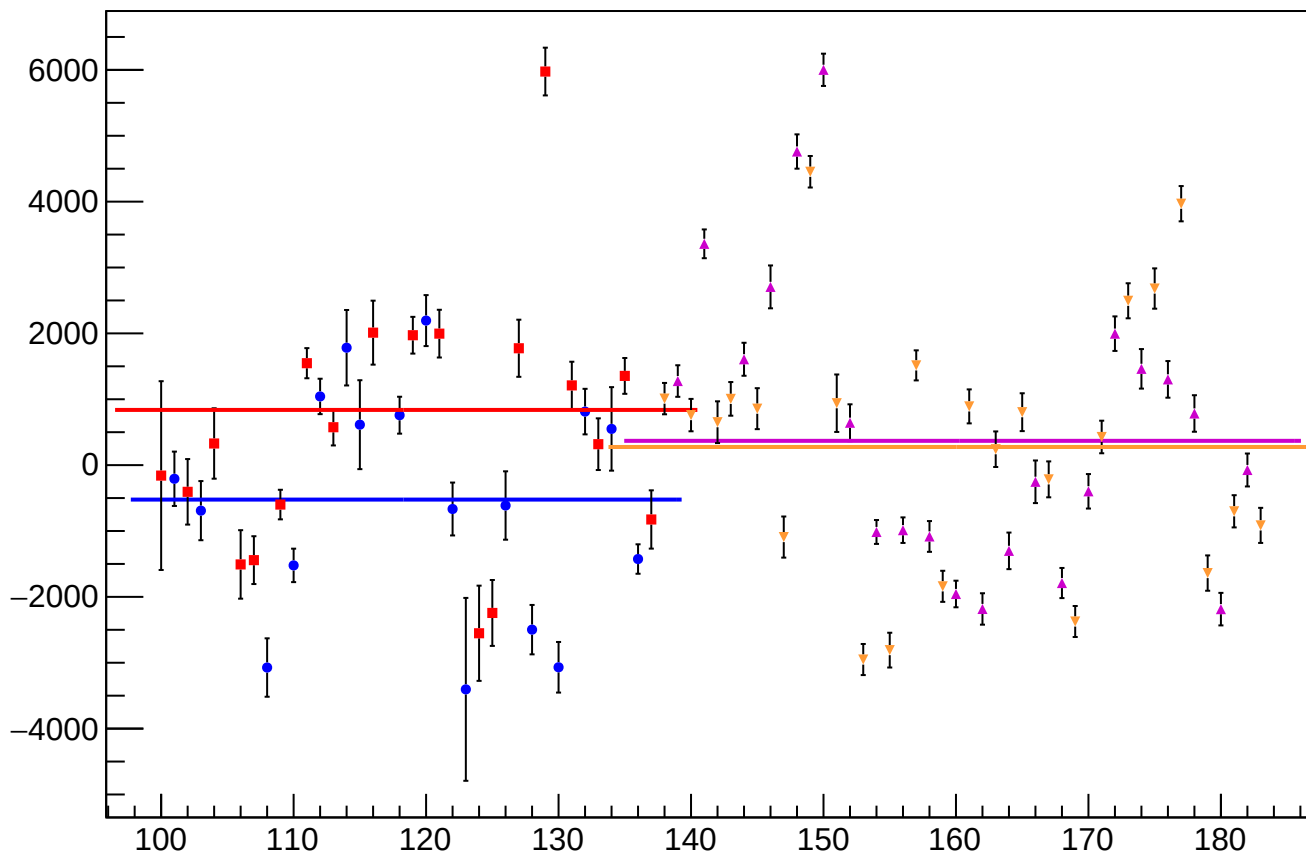
Left In: 148.015 $\pm$ 0.026 χ^2 /NDF: 2324839.2/21

+ sign 136.791 $\pm$ 0.020 χ^2 /NDF: 3521025.9/40

All: 136.306 $\pm$ 0.014 χ^2 /NDF: 7082417.9/81

- sign 135.816 $\pm$ 0.021 χ^2 /NDF: 3560260.3/40

asym_bpm0i07WS_mean vs Slug



Right In: -523.148 ± 89.404 χ^2/NDF : 282.6/16

Left Out: 275.366 ± 53.878 χ^2/NDF : 1334.2/23

Right Out: 837.989 ± 82.263 χ^2/NDF : 437.6/18

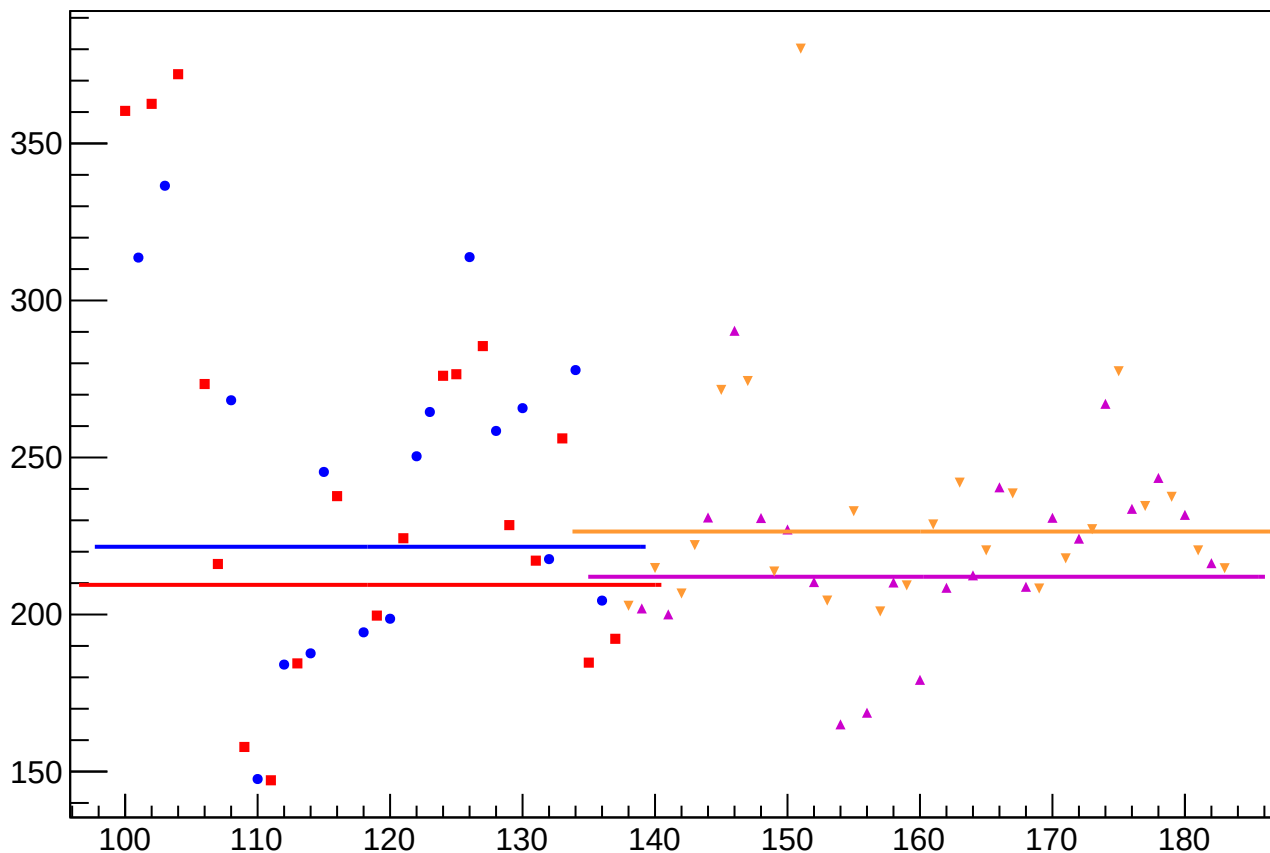
Left In: 368.780 ± 52.302 χ^2/NDF : 1797.5/21

+ sign 62.631 ± 46.146 χ^2/NDF : 1675.3/40

All: 293.056 ± 31.896 χ^2/NDF : 3981.4/81

- sign 503.848 ± 44.136 χ^2/NDF : 2258.3/40

asym_bpm0i07WS_rms vs Slug



Right In: 221.577 $\pm$ 0.063 χ^2 /NDF: 645771.3/16

Left Out: 226.429 $\pm$ 0.038 χ^2 /NDF: 521634.9/23

Right Out: 209.447 $\pm$ 0.058 χ^2 /NDF: 879299.7/18

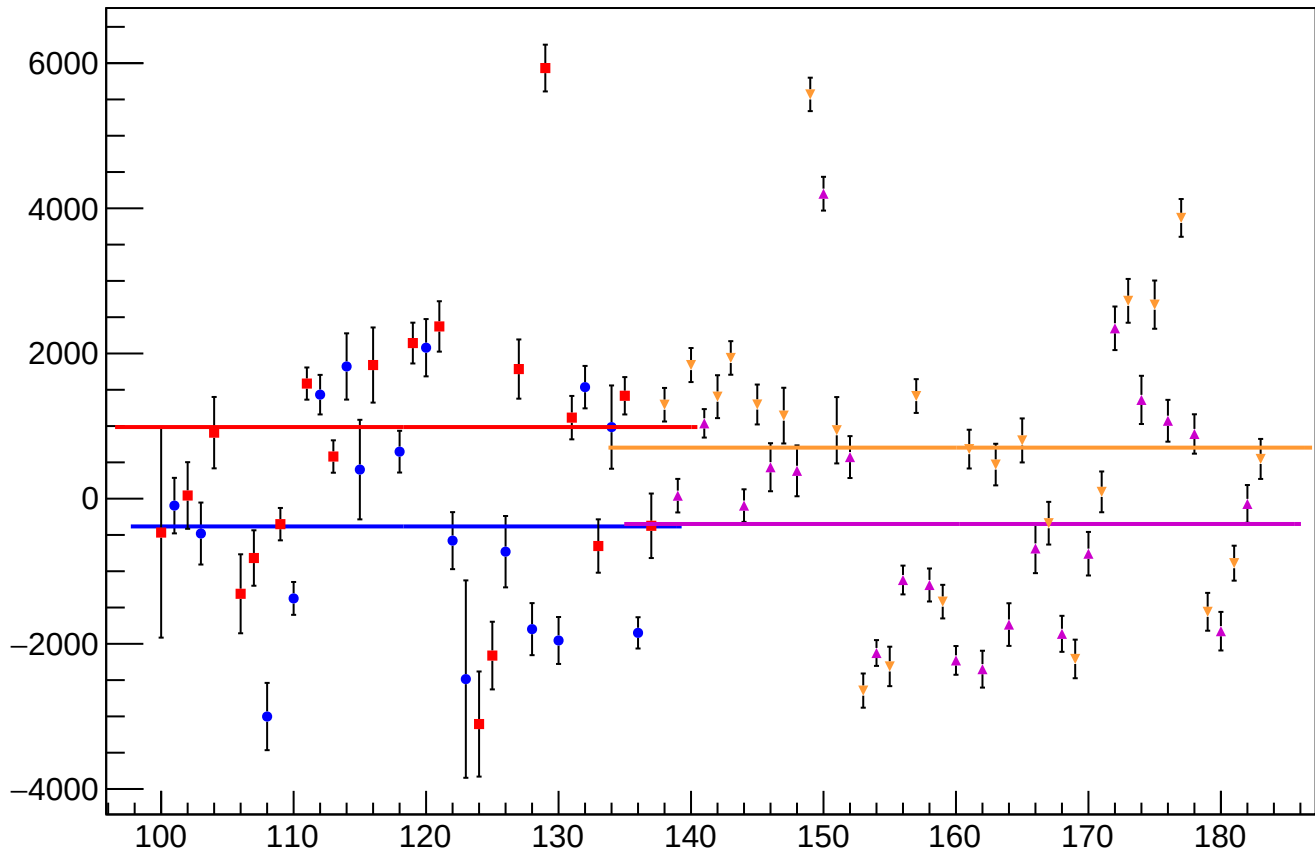
Left In: 212.028 $\pm$ 0.037 χ^2 /NDF: 591053.1/21

+ sign 225.136 $\pm$ 0.033 χ^2 /NDF: 1171726.1/40

All: 217.902 $\pm$ 0.023 χ^2 /NDF: 2737587.1/81

- sign 211.285 $\pm$ 0.031 χ^2 /NDF: 1471754.4/40

asym_bpm0l01WS_mean vs Slug



Right In: -382.695 ± 84.465 χ^2/NDF : 309.9/16

Left Out: 703.008 ± 54.657 χ^2/NDF : 1420.4/23

Right Out: 986.495 ± 77.694 χ^2/NDF : 476.9/18

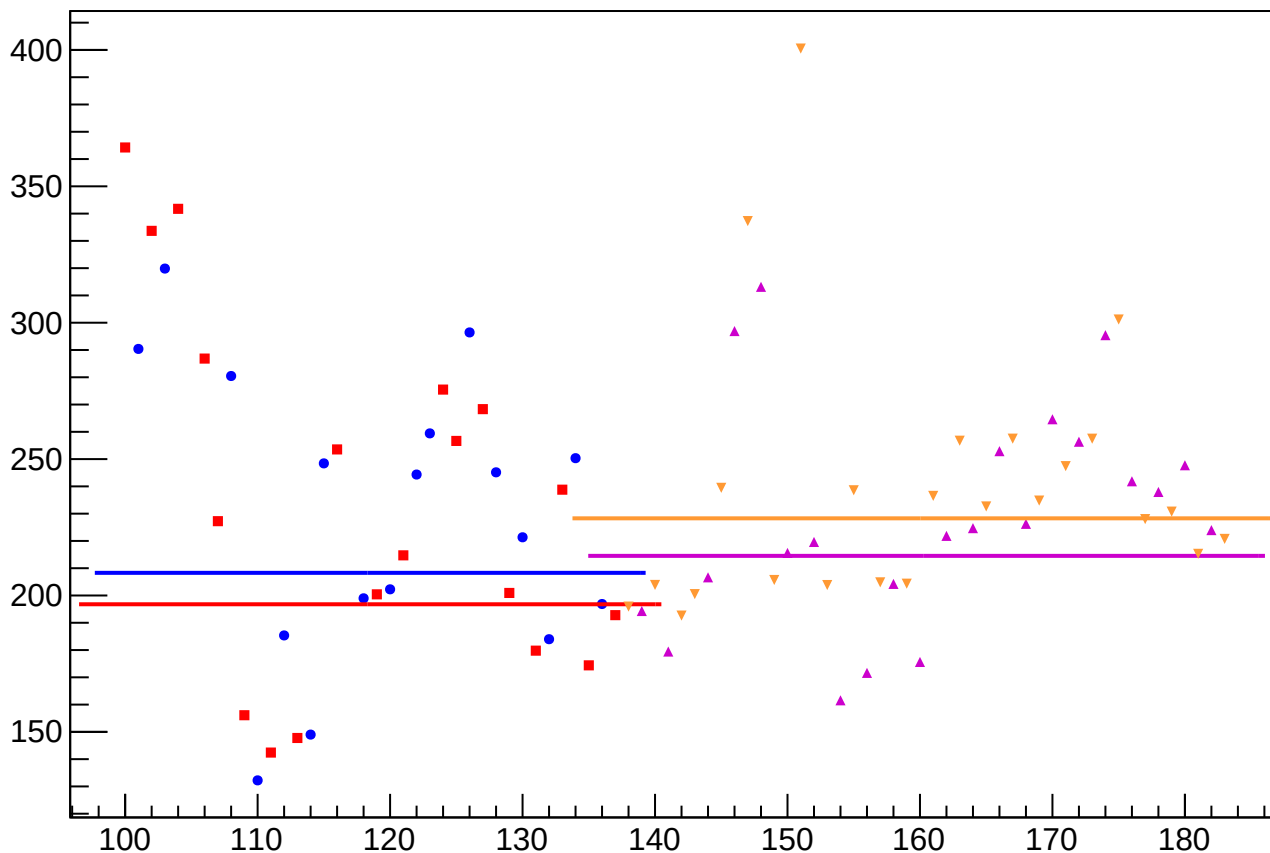
Left In: -348.913 ± 53.299 χ^2/NDF : 984.5/21

+ sign 382.569 ± 45.888 χ^2/NDF : 1846.8/40

All: 223.949 ± 31.741 χ^2/NDF : 3532.0/81

- sign 78.433 ± 43.951 χ^2/NDF : 1662.3/40

asym_bpm0l01WS_rms vs Slug



Right In: 208.304 ± 0.060 χ^2/NDF : 698771.8/16

Left Out: 228.285 ± 0.039 χ^2/NDF : 827507.0/23

Right Out: 196.782 ± 0.055 χ^2/NDF : 925153.1/18

Left In: 214.529 ± 0.038 χ^2/NDF : 1030854.5/21

+ sign 222.388 ± 0.032 χ^2/NDF : 1605167.8/40

All: 215.327 ± 0.022 χ^2/NDF : 3722926.2/81

- sign 208.850 ± 0.031 χ^2/NDF : 2026967.4/40

bcm_an_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

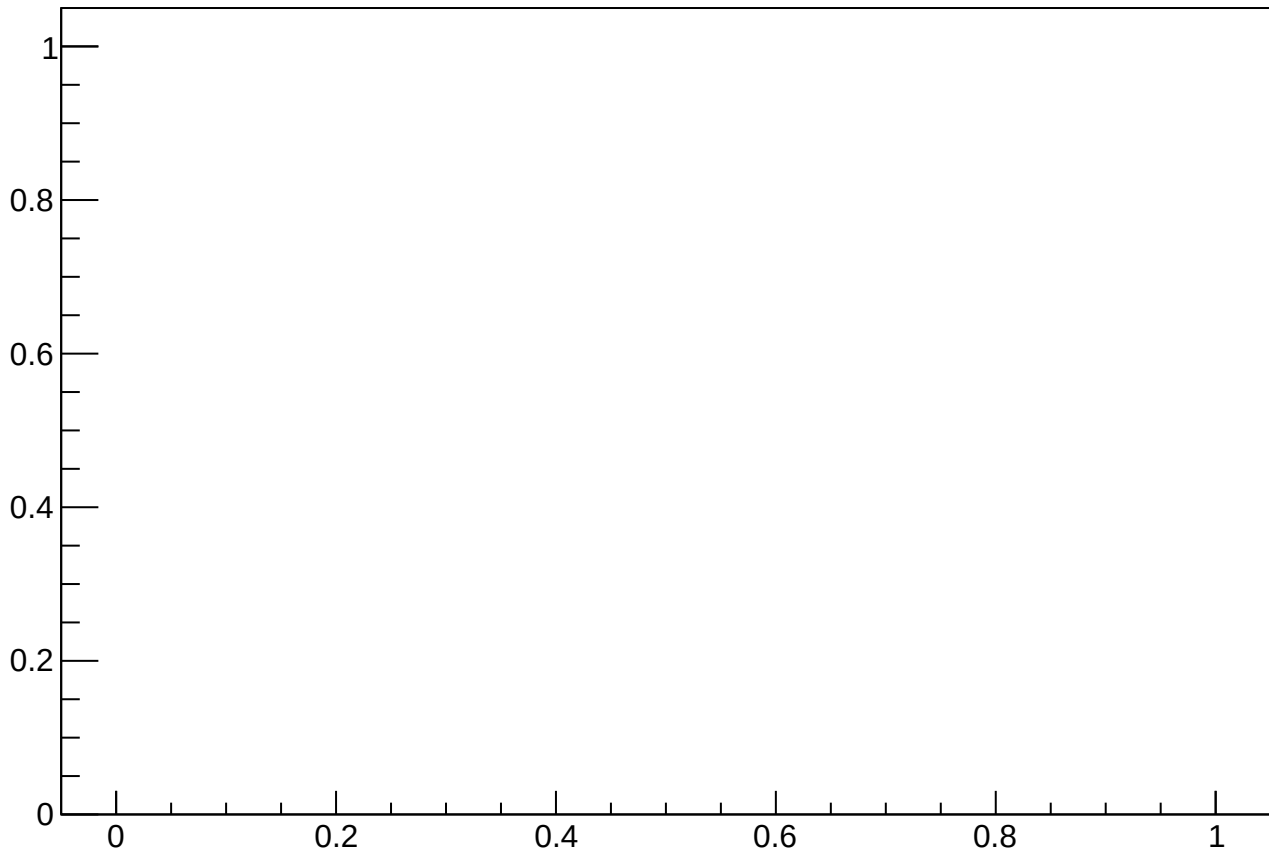
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

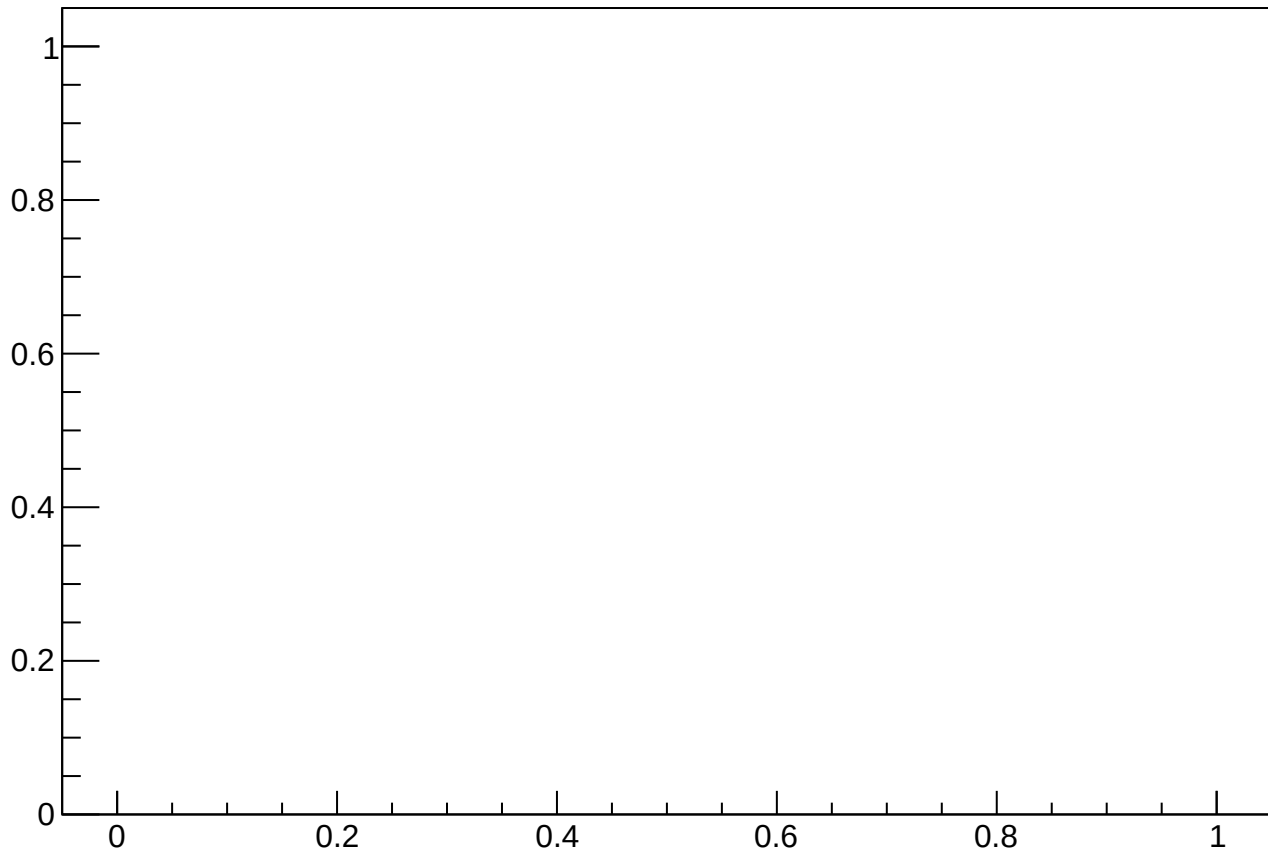
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

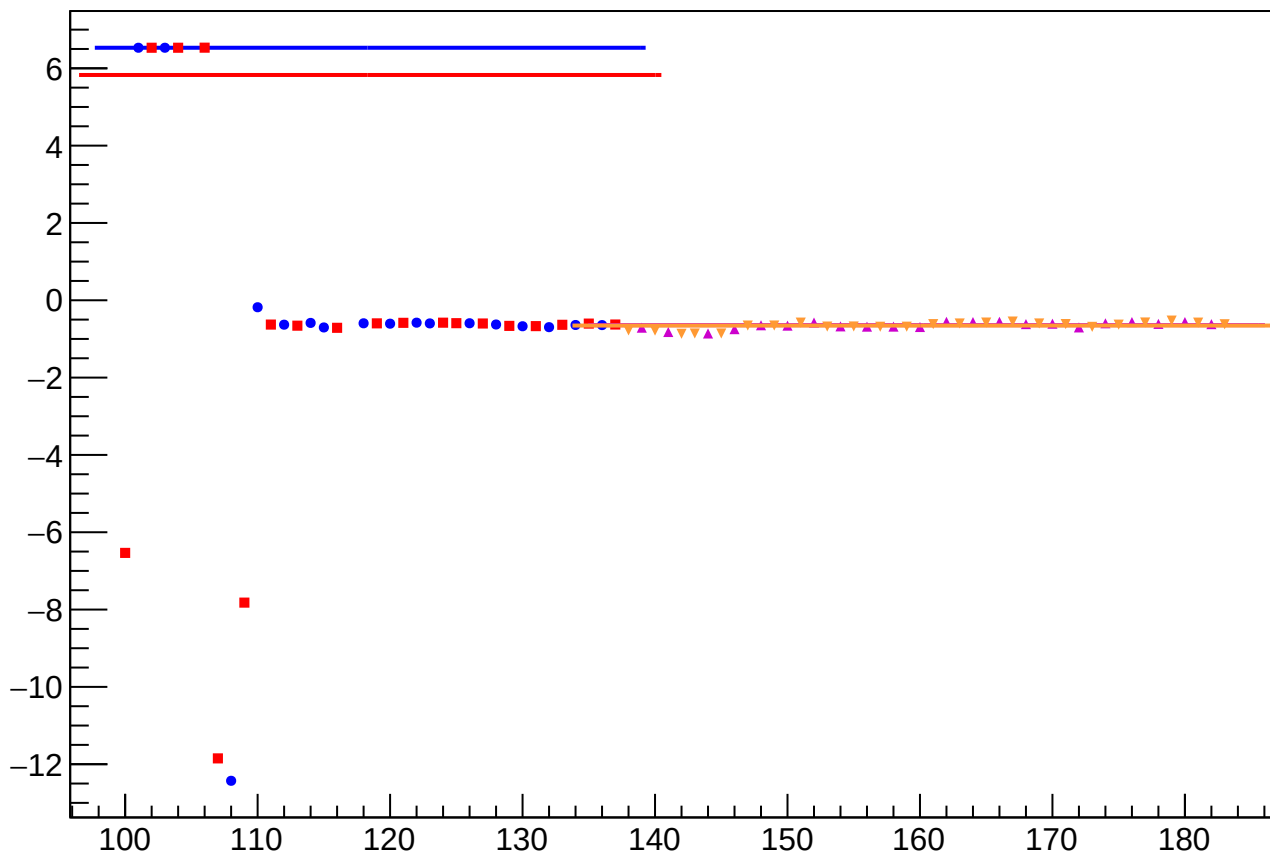
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127601781164.3/16

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179059032.4/23

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755961890470183.5/18

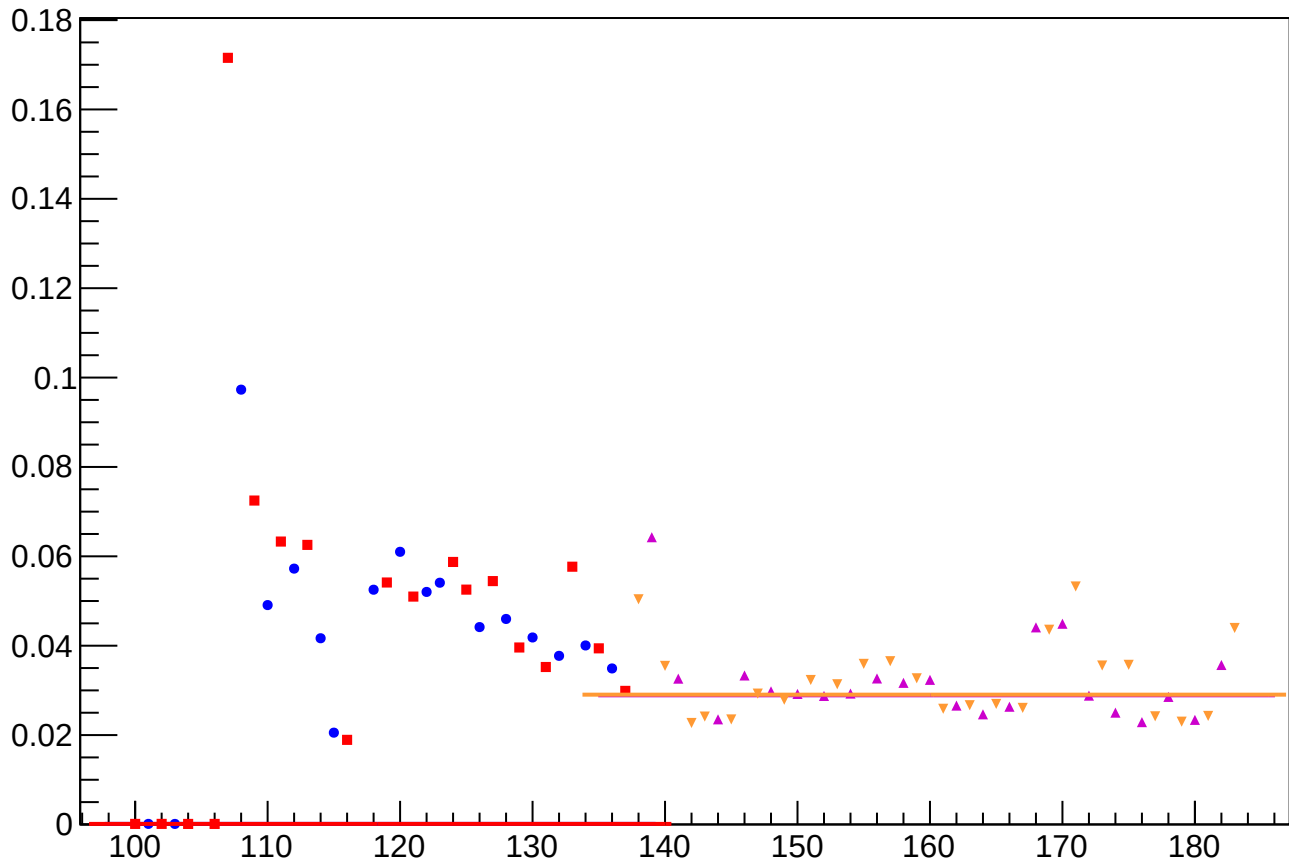
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123634798.0/21

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 995695820089.4/40

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77761438634283

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756633704866062.9/40

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8848188.8/16

Left Out: 0.029+/-0.000 χ^2/NDF :1442577.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9323542.7/18

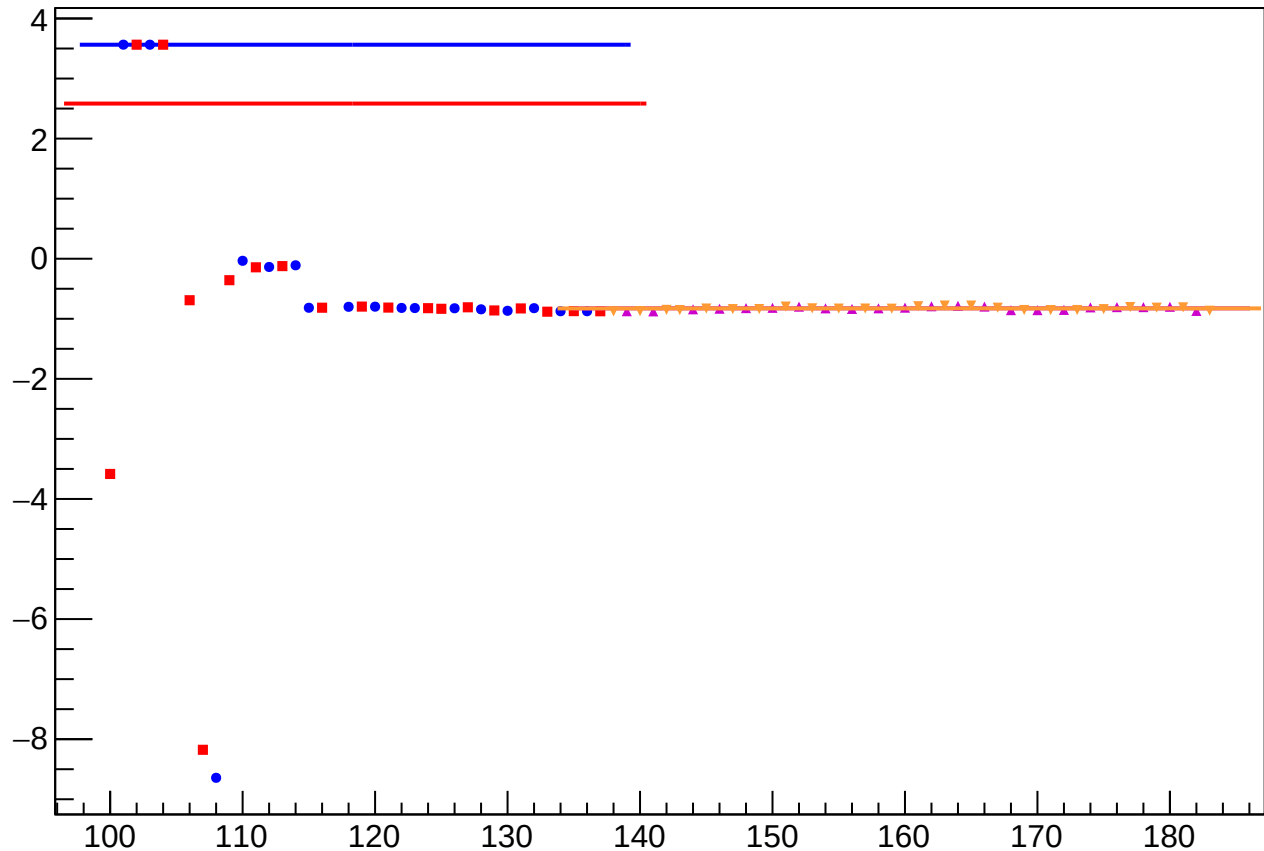
Left In: 0.029+/-0.000 χ^2/NDF :1185212.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 38407746.3/40

All: 0.000+/-0.000 χ^2/NDF : 75476345.3/81

- sign 0.000+/-0.000 χ^2/NDF : 37067927.3/40

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 480140963917.5/16

Left Out: -0.827 $\pm$ 0.000 χ^2 /NDF: 167488531.7/23

Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253501370113259.5/18

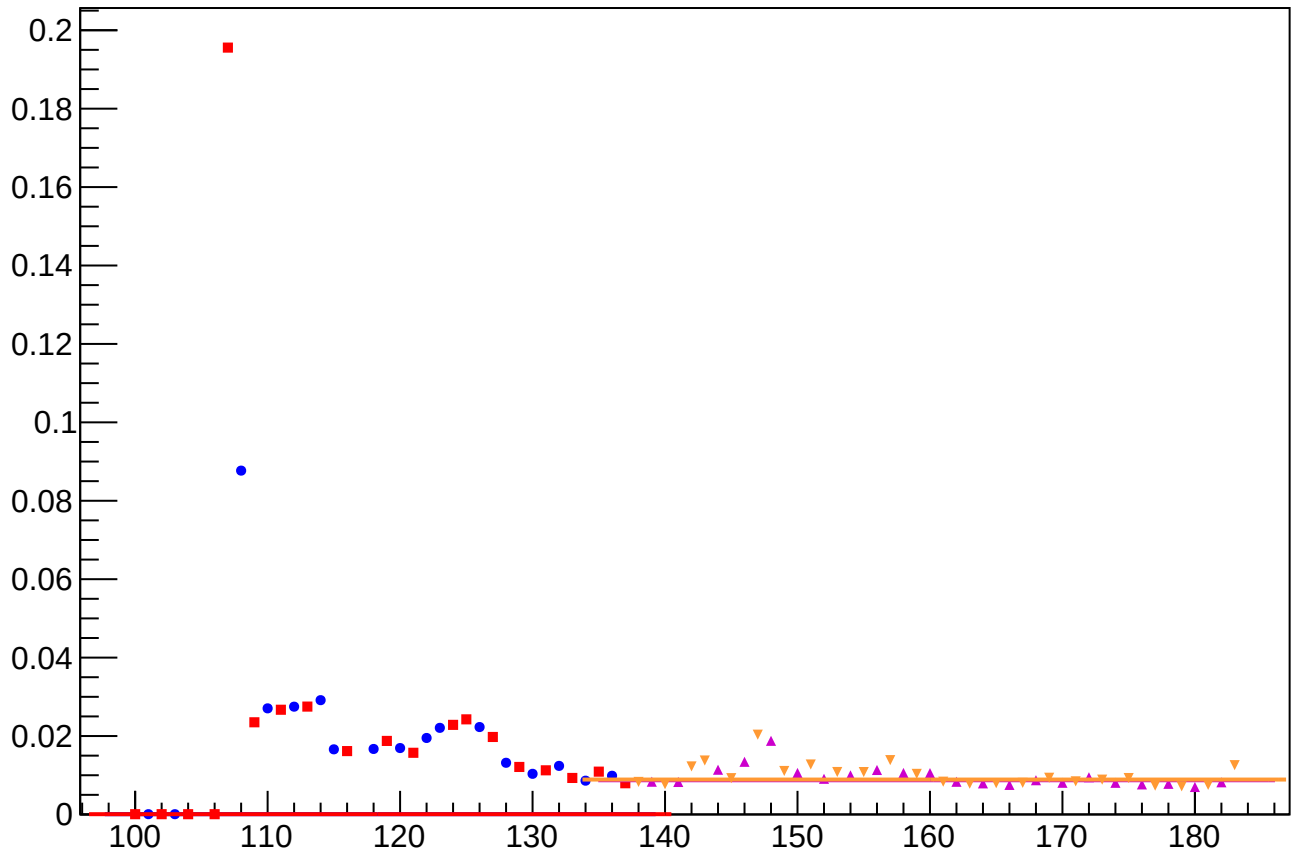
Left In: -0.826 $\pm$ 0.000 χ^2 /NDF: 168487707.2/21

+ sign 3.560 $\pm$ 0.000 χ^2 /NDF: 4140705213474.5/40

All: 3.038 $\pm$ 0.000 χ^2 /NDF: 13879152275494

- sign 2.581 $\pm$ 0.000 χ^2 /NDF: 1255695902612221.5

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9686061.1/16

Left Out: 0.009+/-0.000 χ^2/NDF :1437670.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9818933.2/18

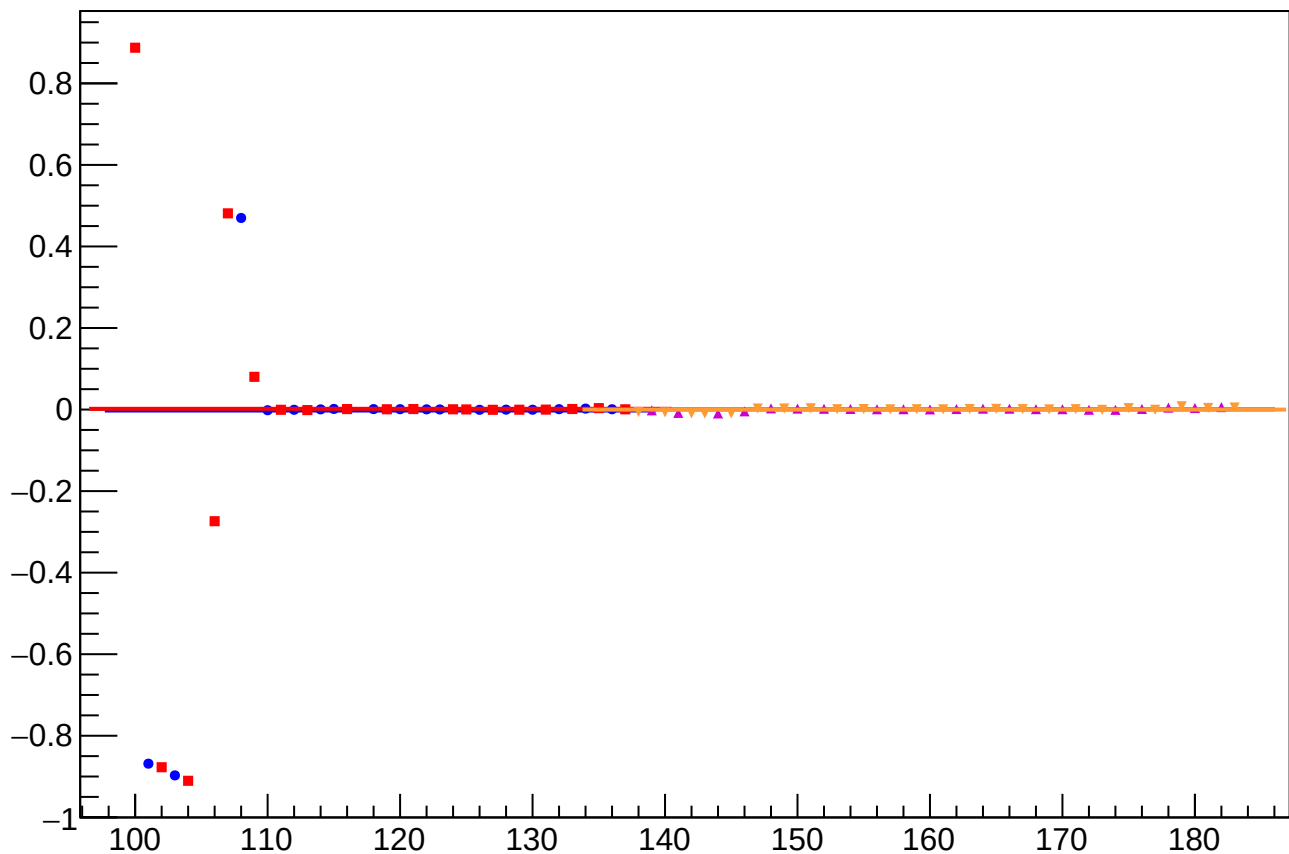
Left In: 0.009+/-0.000 χ^2/NDF :1025144.2/21

+ sign 0.000+/-0.000 χ^2/NDF : 40748230.8/40

All: 0.000+/-0.000 χ^2/NDF : 79874292.9/81

- sign 0.000+/-0.000 χ^2/NDF : 39124981.4/40

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9794882359.1/16

Left Out: -0.000 ± 0.000 χ^2/NDF : 151491346.9/23

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041319636.1/18

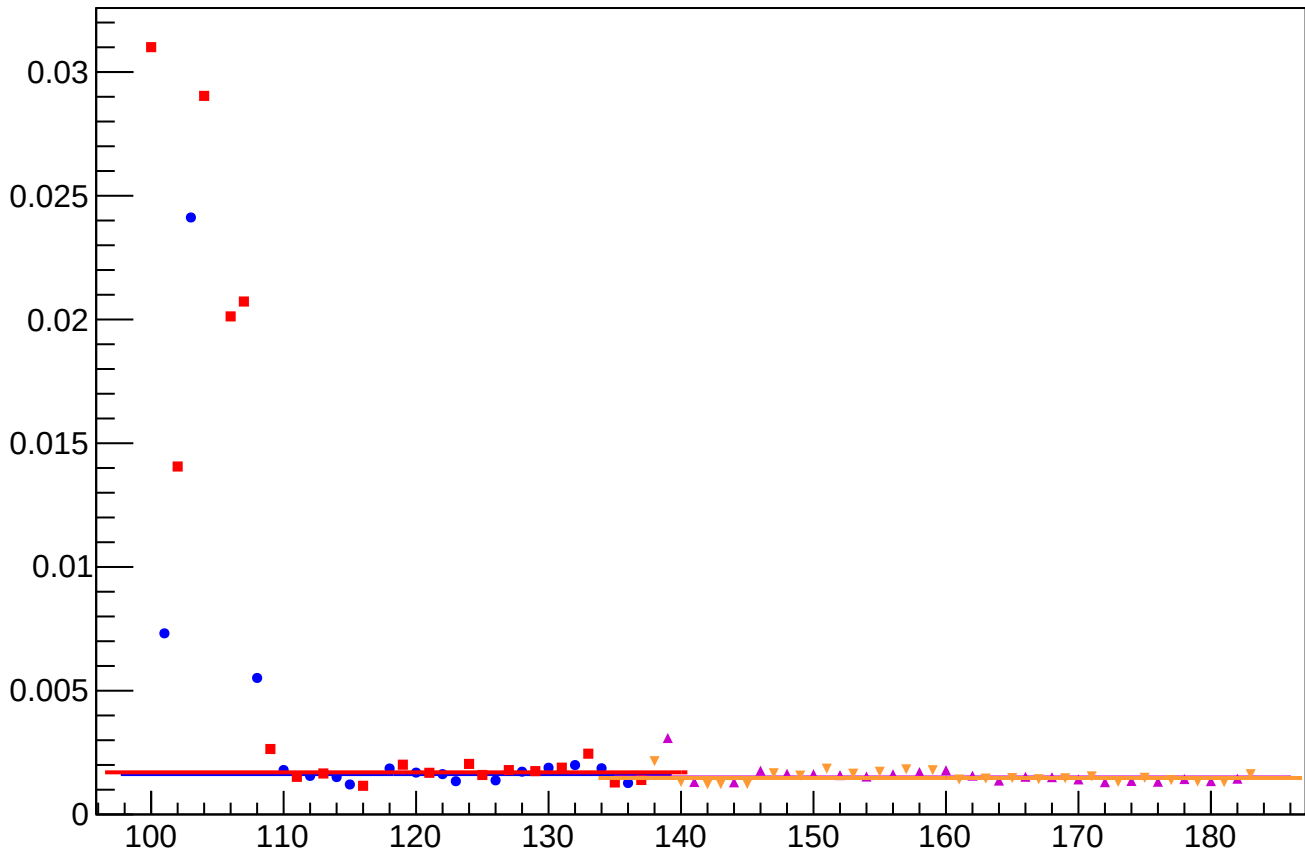
Left In: 0.000 ± 0.000 χ^2/NDF : 93163976.7/21

+ sign -0.001 ± 0.000 χ^2/NDF : 9953239131.0/40

All: 0.000 ± 0.000 χ^2/NDF : 13096504452.2/8

- sign 0.001 ± 0.000 χ^2/NDF : 3136989963.2/40

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1921590.0/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:537433.0/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023068.5/18

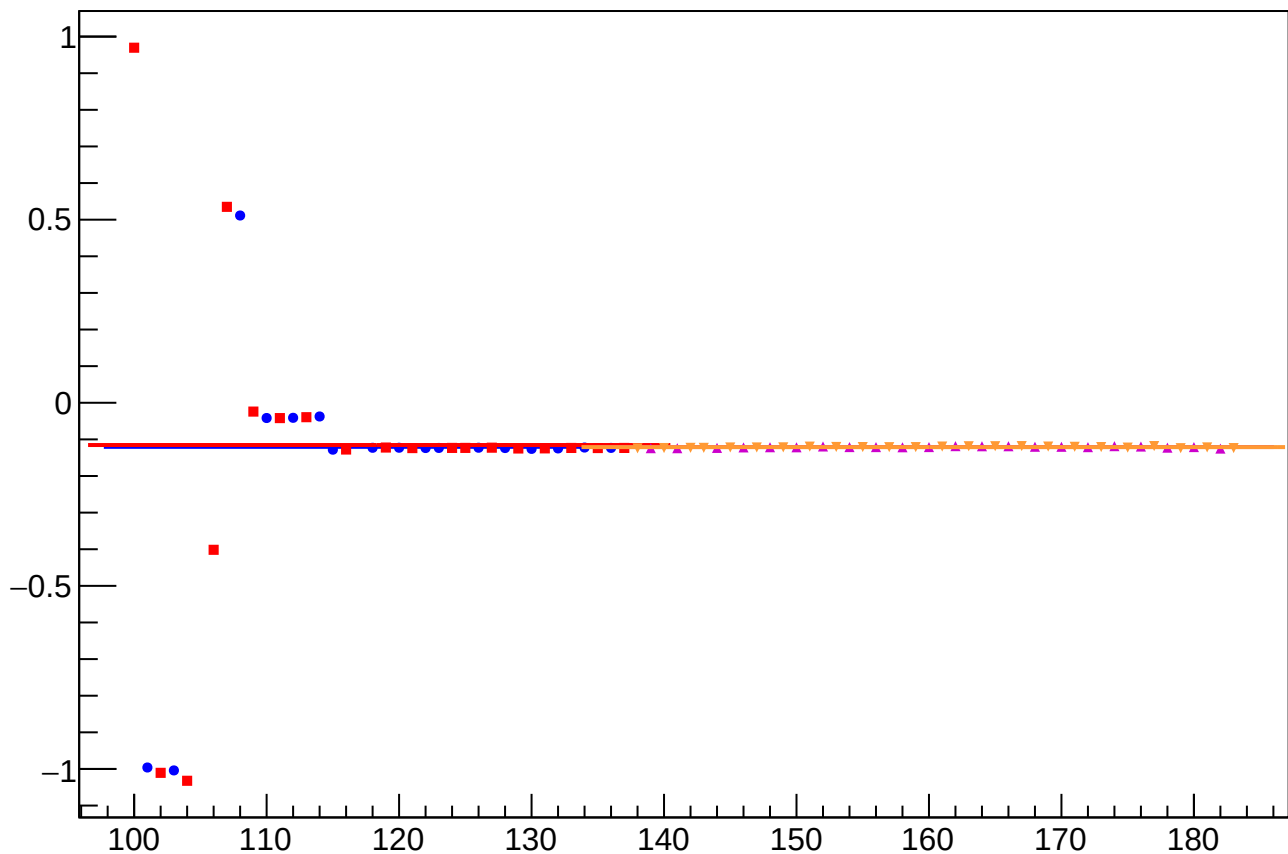
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:655532.5/21

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2526965.6/40

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6318231.2/81

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3782947.3/40

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932599788.9/16

Left Out: -0.121+/-0.000 χ^2/NDF : 58150354.4/23

Right Out: -0.115+/-0.000 χ^2/NDF : 2456183694.8/18

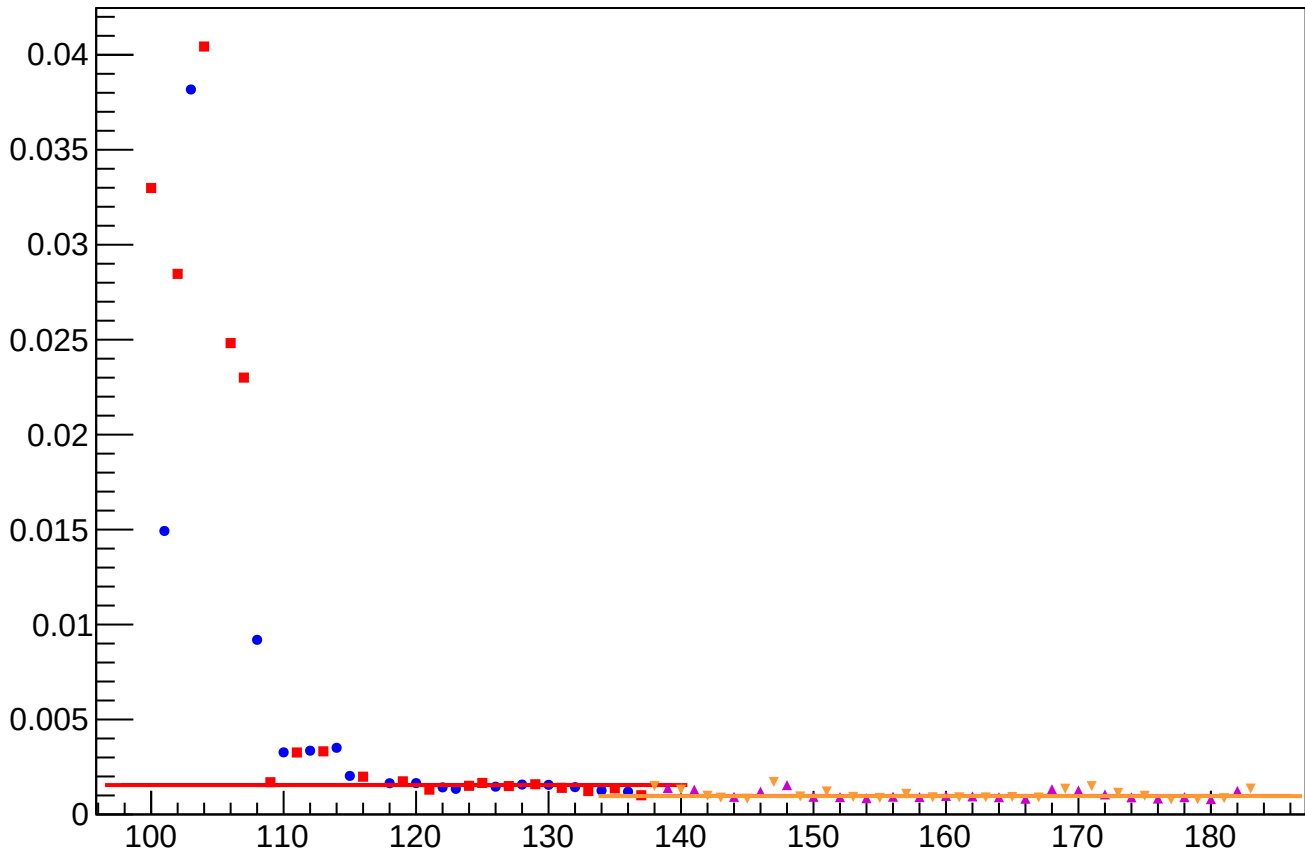
Left In: -0.121+/-0.000 χ^2/NDF : 46374196.3/21

+ sign -0.121+/-0.000 χ^2/NDF : 3991733966.3/40

All: -0.121+/-0.000 χ^2/NDF : 6549629678.8/8

- sign -0.120+/-0.000 χ^2/NDF : 2553151961.4/40

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2897244.2/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1338794.9/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3536477.8/18

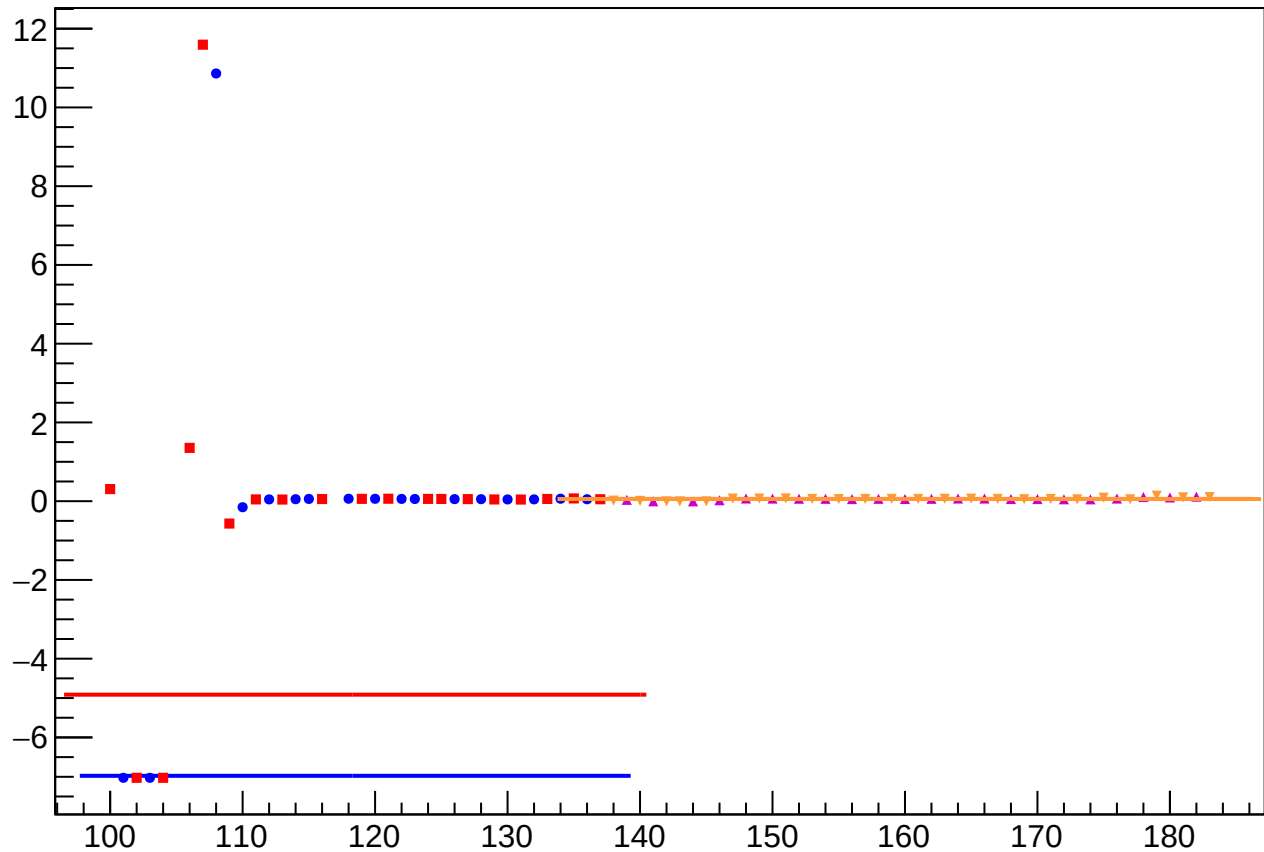
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:950432.0/21

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5399653.3/40

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 11000580.7/81

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5598994.5/40

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762449111165.9/16

Left Out: 0.055 ± 0.000 χ^2/NDF : 243693428.3/23

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348533697497.2/18

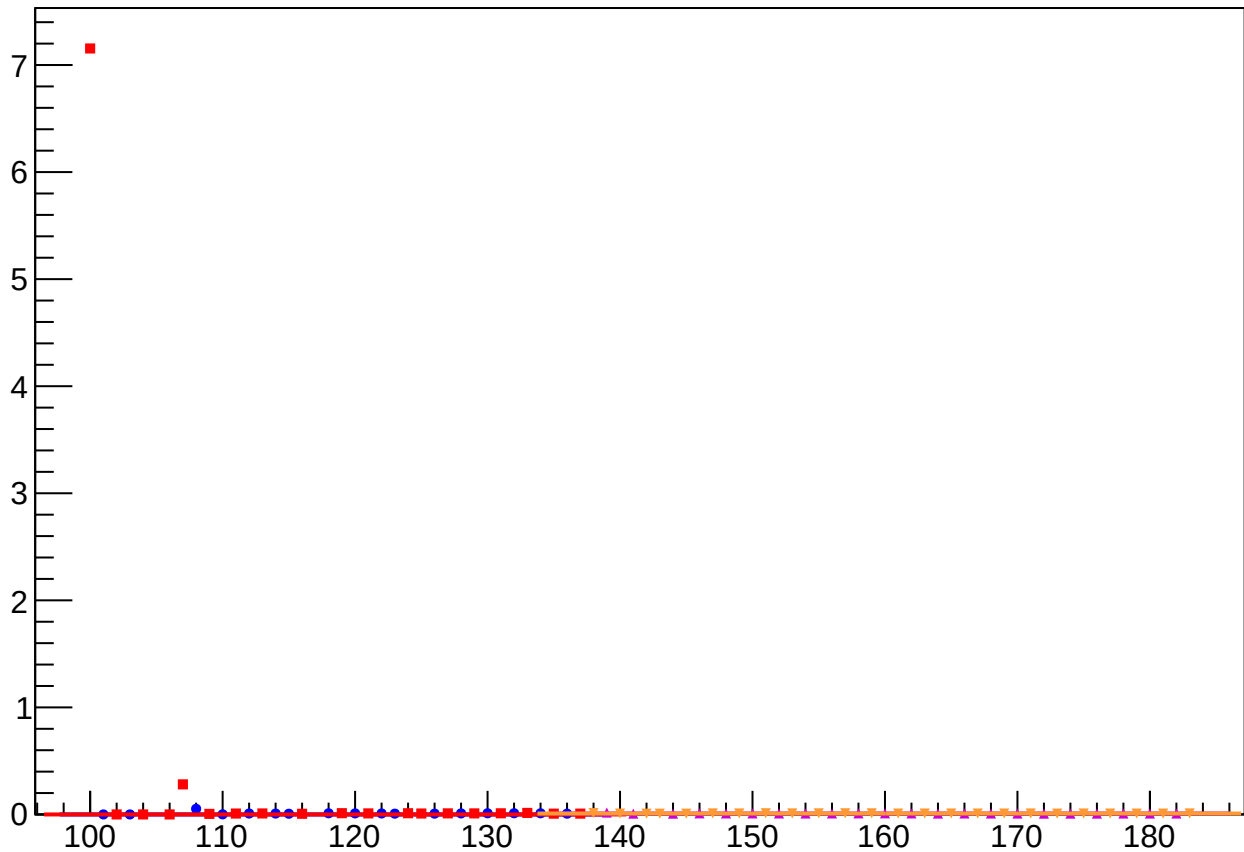
Left In: 0.057 ± 0.000 χ^2/NDF : 153596116.6/21

+ sign -6.922 ± 0.000 χ^2/NDF : 18251014707845.1/16

All: -5.859 ± 0.000 χ^2/NDF : 4433288915482.2/16

- sign -4.882 ± 0.000 χ^2/NDF : 369677812104465.2/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8227727.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 509935.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8749291.1/18

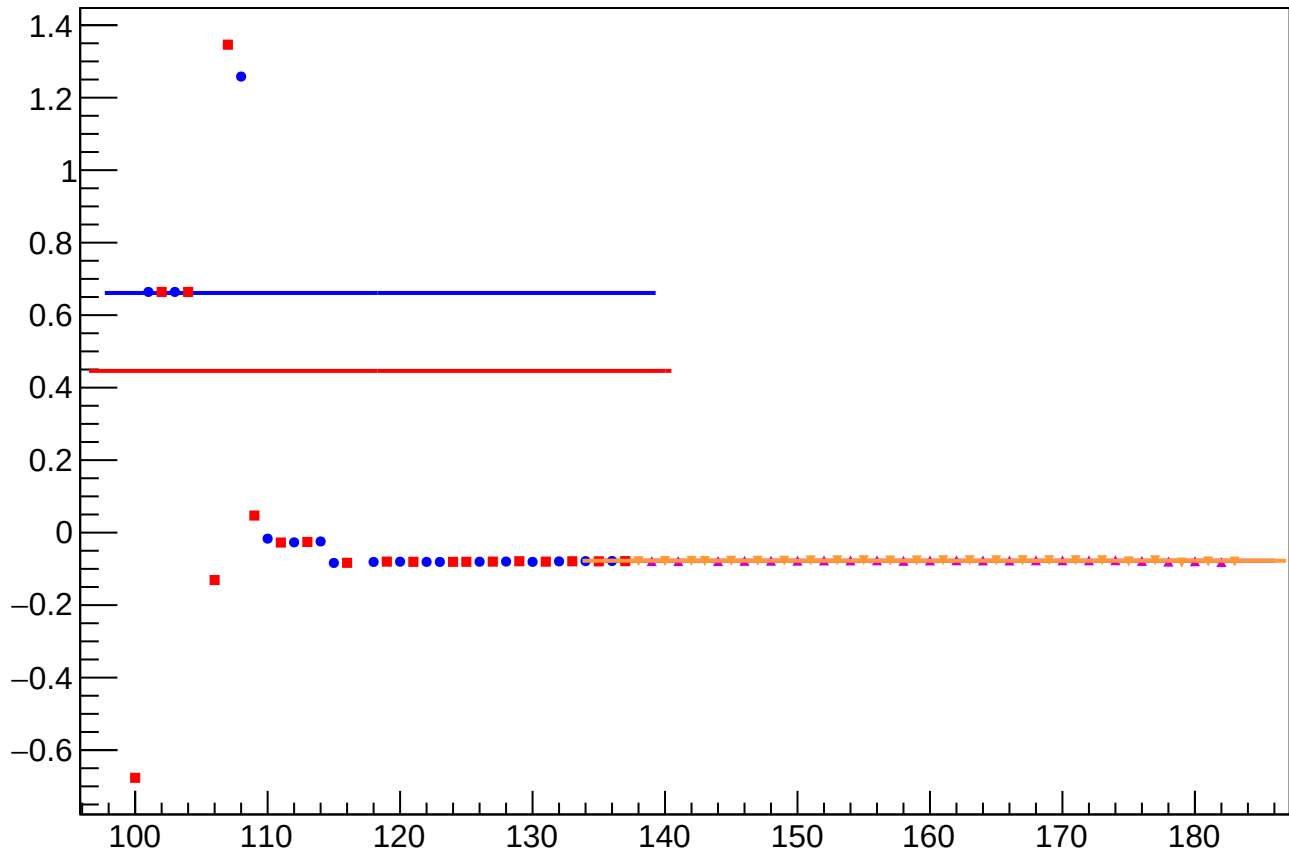
Left In: 0.009+/-0.000 χ^2/NDF : 629883.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 36807342.9/40

All: 0.000+/-0.000 χ^2/NDF : 72798834.8/81

- sign 0.000+/-0.000 χ^2/NDF : 35987030.7/40

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5585151330309.5/16

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156473064.9/23

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405416742195381.0/18

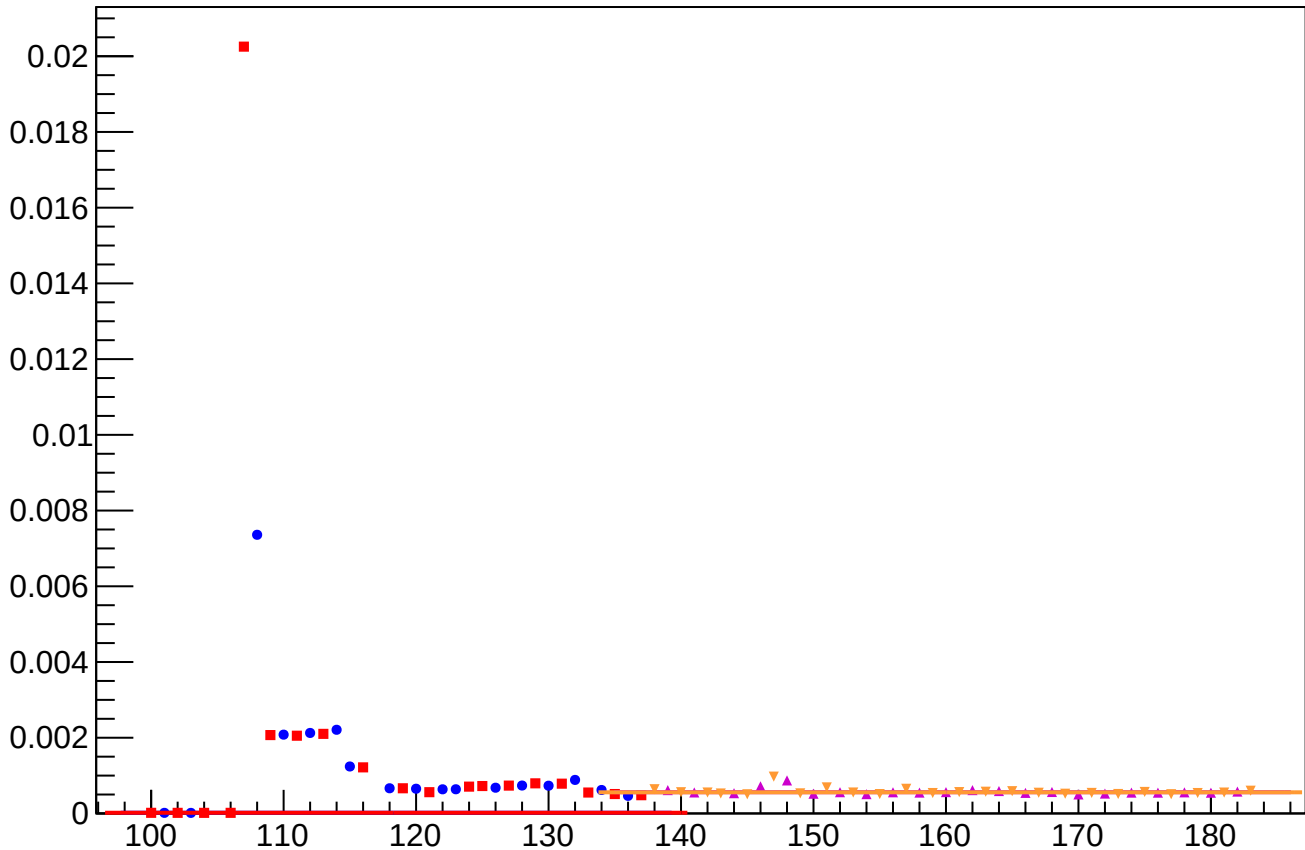
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 84769152.2/21

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35287256311865.2/4

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51533242252578

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419427976100056.1/4

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9835626.2/16

Left Out: 0.001+/-0.000 χ^2/NDF : 464430.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9440944.6/18

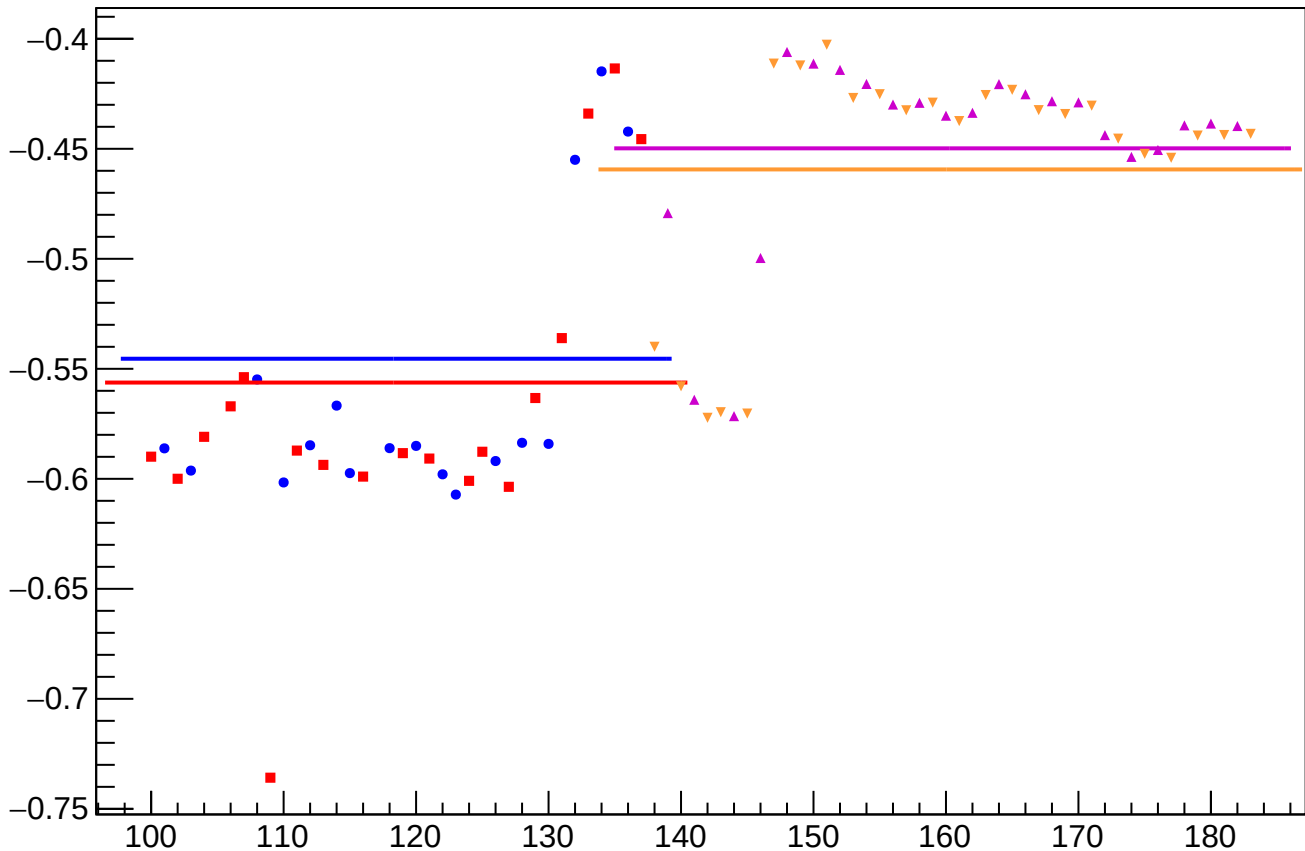
Left In: 0.001+/-0.000 χ^2/NDF : 355409.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 42047927.5/40

All: 0.000+/-0.000 χ^2/NDF : 82050163.6/81

- sign 0.000+/-0.000 χ^2/NDF : 39995206.1/40

yield_bpm4aX_mean vs Slug



Right In: -0.545+/-0.000 χ^2/NDF : 46353554.3/16

Left Out: -0.459+/-0.000 χ^2/NDF : 113720833.7/23

Right Out: -0.556+/-0.000 χ^2/NDF : 63720924.6/18

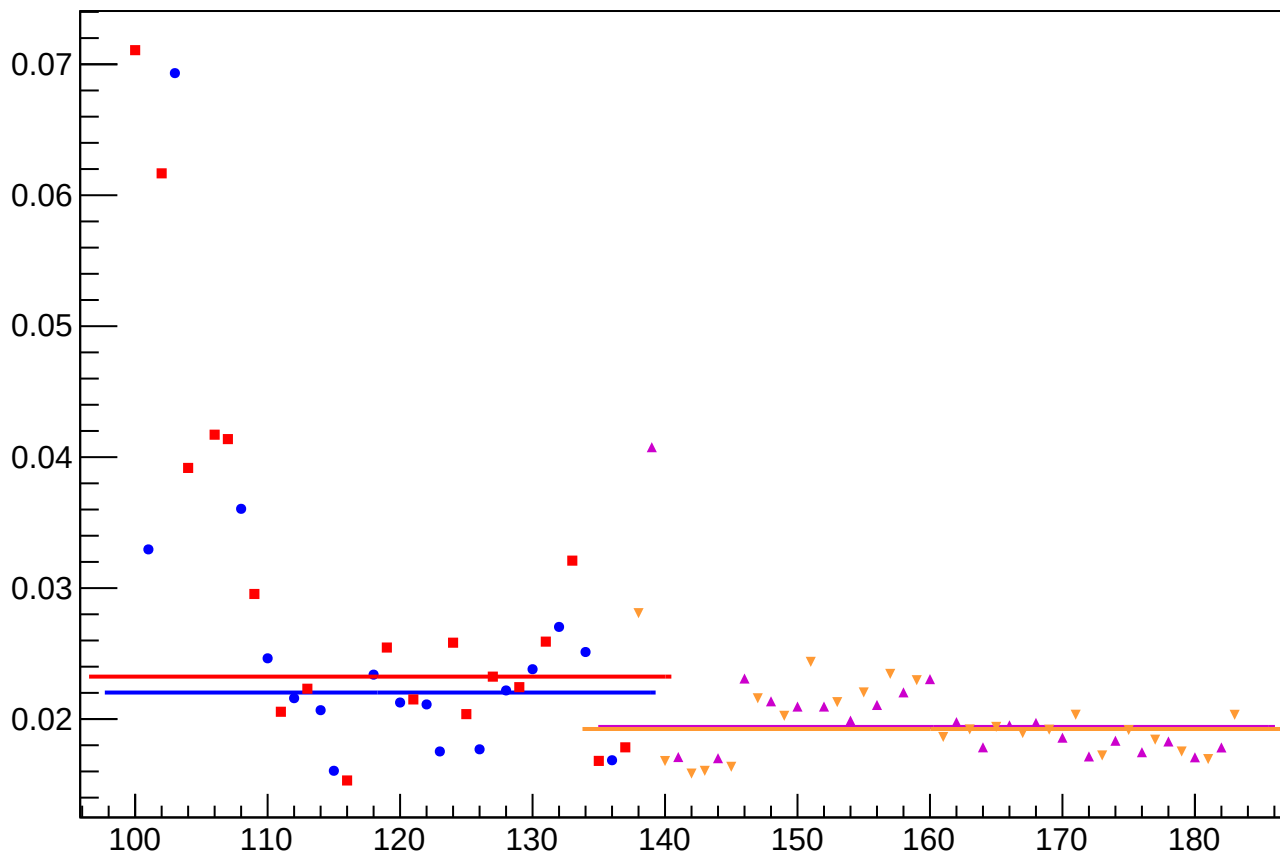
Left In: -0.450+/-0.000 χ^2/NDF : 76147236.8/21

+ sign -0.477+/-0.000 χ^2/NDF : 220960136.7/40

All: -0.475+/-0.000 χ^2/NDF : 449261964.7/81

- sign -0.472+/-0.000 χ^2/NDF : 227706695.3/40

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 958242.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 499958.8/23

Right Out: 0.023+/-0.000 χ^2/NDF : 1154898.9/18

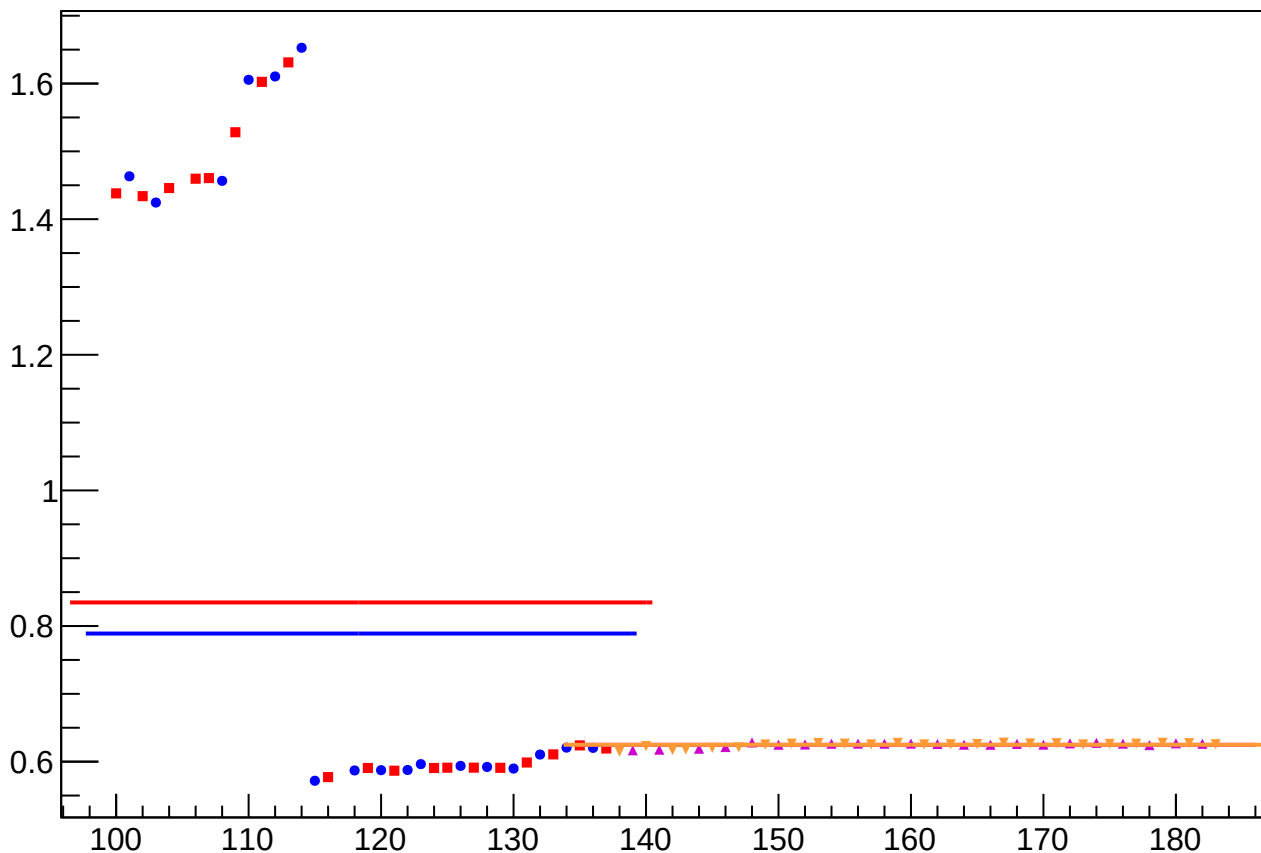
Left In: 0.019+/-0.000 χ^2/NDF : 654413.2/21

+ sign 0.020+/-0.000 χ^2/NDF : 1585626.6/40

All: 0.020+/-0.000 χ^2/NDF : 3631203.6/81

- sign 0.020+/-0.000 χ^2/NDF : 2038249.2/40

yield_bpm4aY_mean vs Slug



Right In: 0.789 $\pm$ 0.000 χ^2 /NDF: 3572292316.9/16

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442224.1/23

Right Out: 0.835 $\pm$ 0.000 χ^2 /NDF: 4145929509.1/18

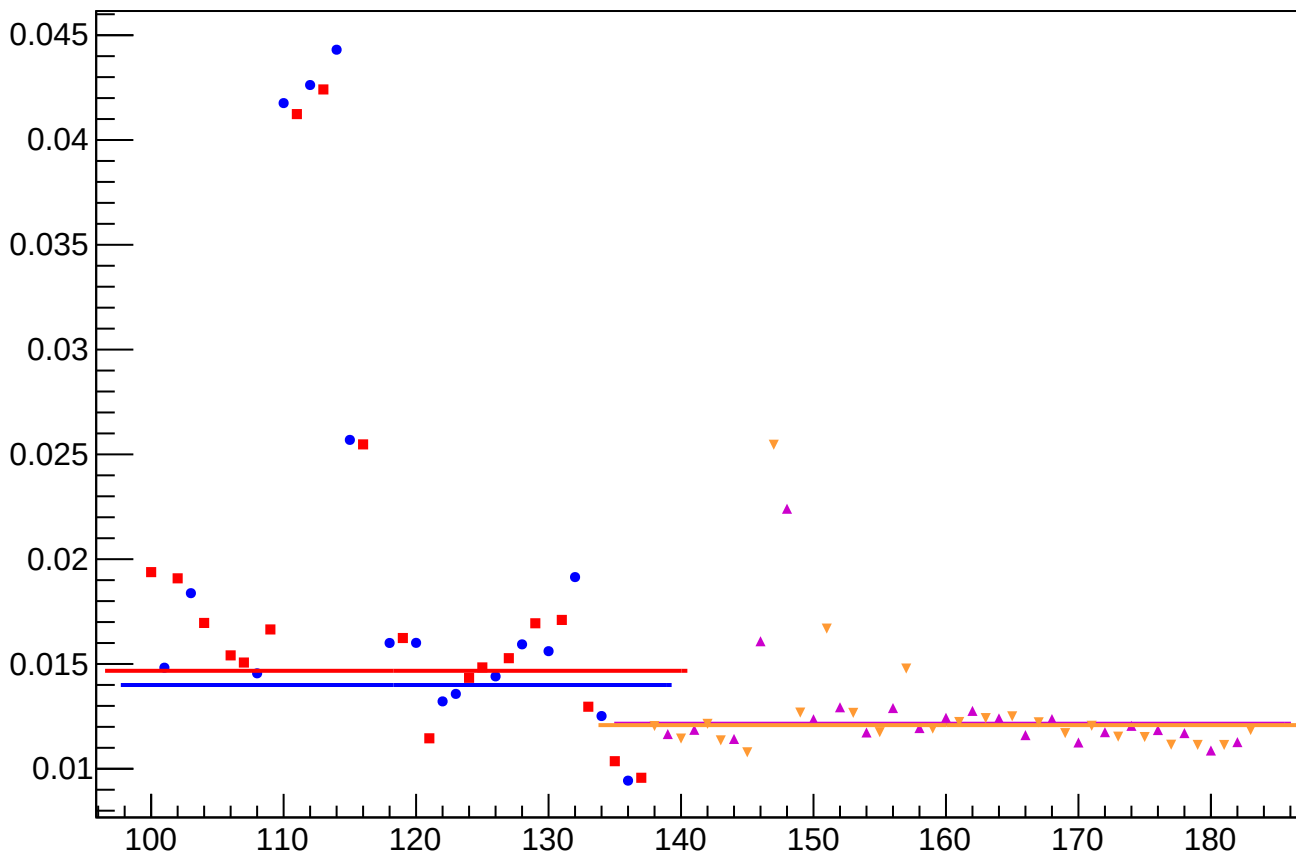
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1111742.9/21

+ sign 0.657 $\pm$ 0.000 χ^2 /NDF: 4194297061.3/40

All: 0.661 $\pm$ 0.000 χ^2 /NDF: 9330958222.2/83

- sign 0.666 $\pm$ 0.000 χ^2 /NDF: 5129573943.5/40

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1393658.1/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:655998.4/23

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1257158.3/18

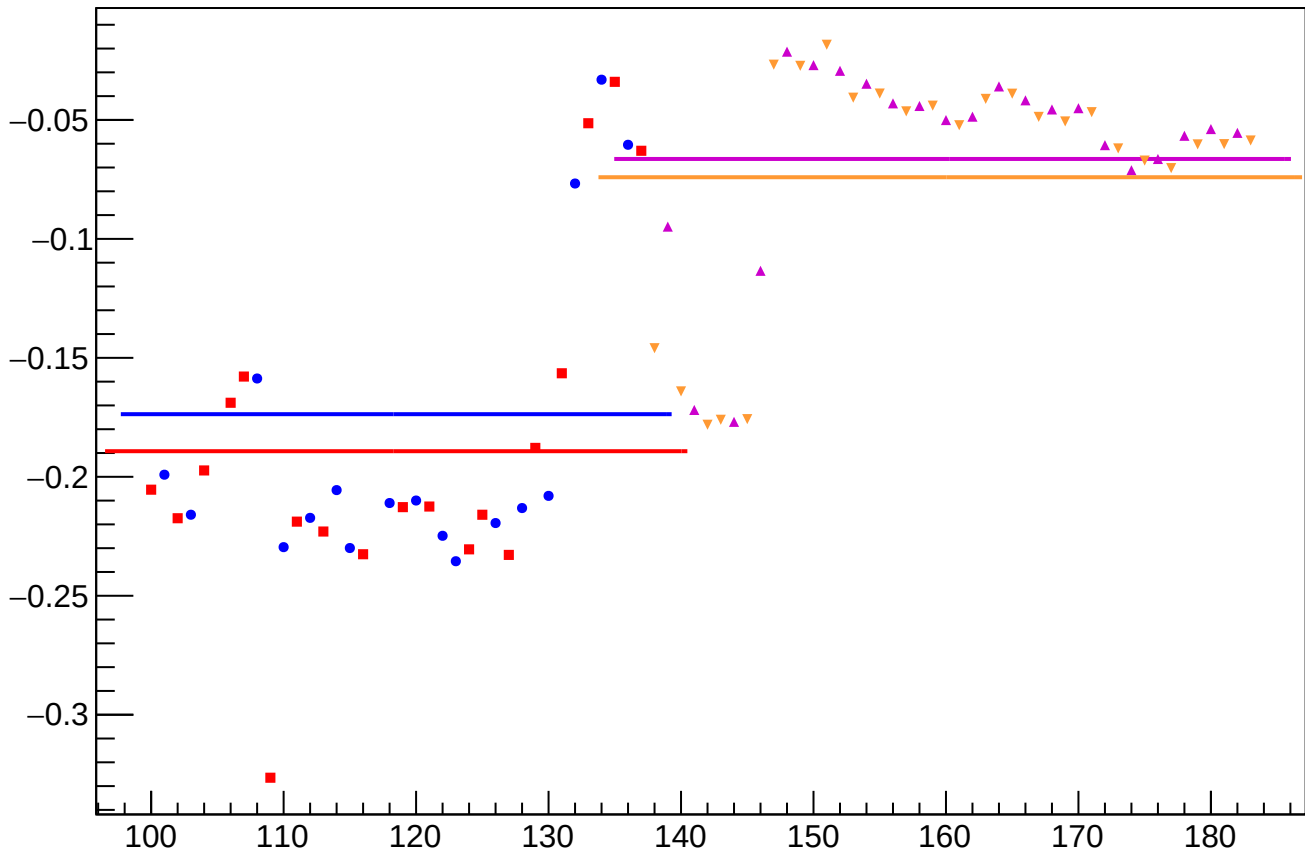
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:485791.6/21

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2218689.1/40

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4251212.8/81

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2026813.5/40

yield_bpm4eX_mean vs Slug



Right In: -0.174+/-0.000 χ^2/NDF : 66840344.3/16

Left Out: -0.074+/-0.000 χ^2/NDF : 107797675.8/23

Right Out: -0.189+/-0.000 χ^2/NDF : 81440695.3/18

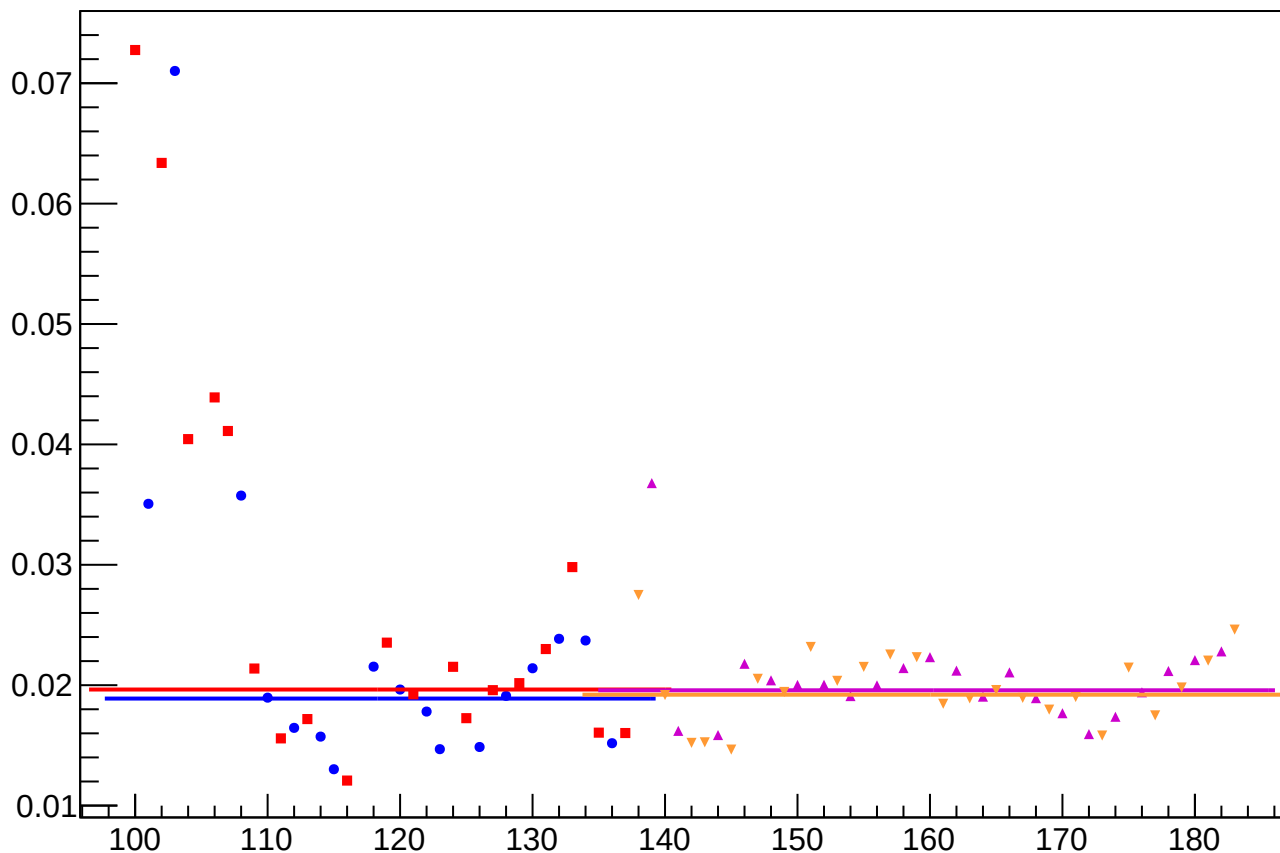
Left In: -0.066+/-0.000 χ^2/NDF : 76280284.4/21

+ sign -0.099+/-0.000 χ^2/NDF : 276848594.5/40

All: -0.099+/-0.000 χ^2/NDF : 582797251.4/81

- sign -0.099+/-0.000 χ^2/NDF : 305945897.4/40

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1212238.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 628370.0/23

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1451854.2/18

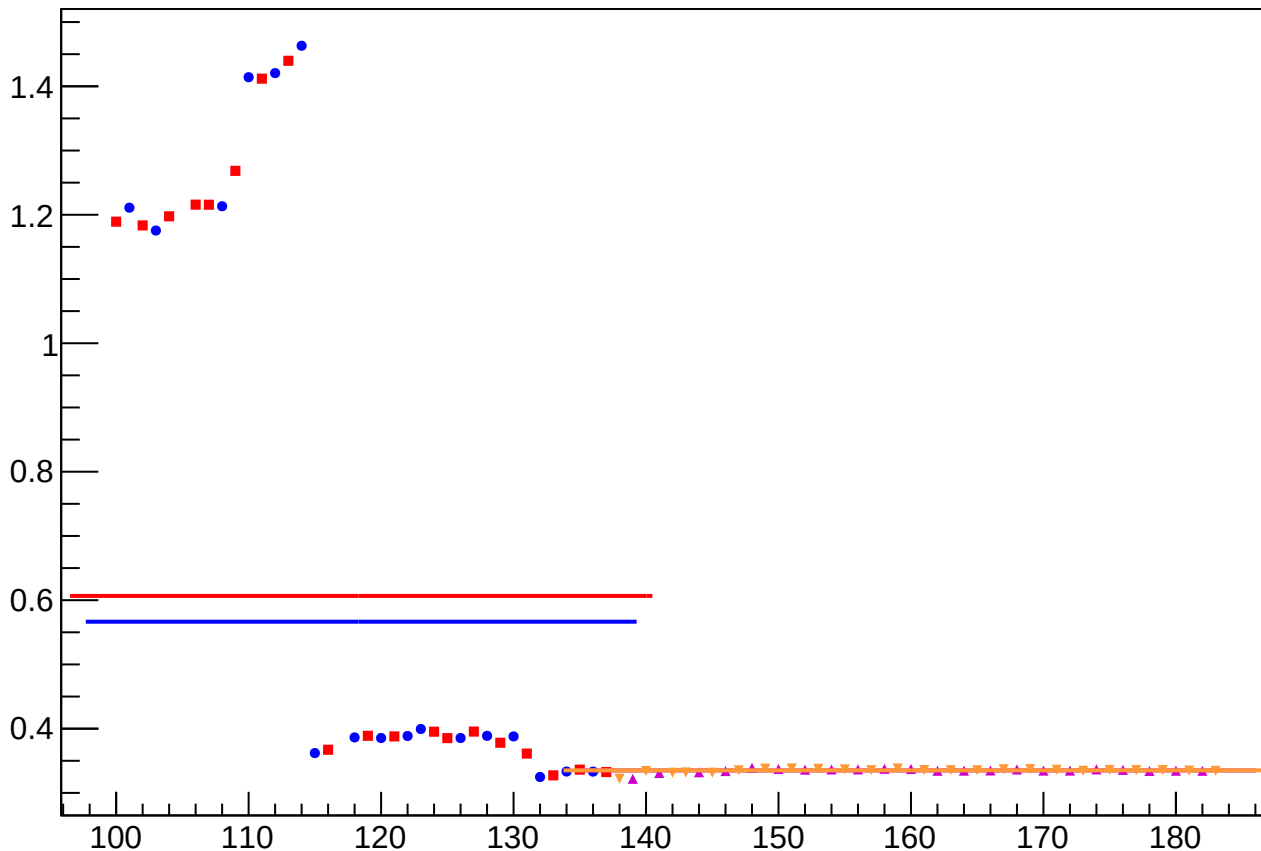
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 651235.7/21

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1842739.2/40

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3957173.0/81

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2103170.5/40

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2/NDF : 5026553135.6/16

Left Out: 0.335 $\pm$ 0.000 χ^2/NDF : 1151100.1/23

Right Out: 0.607 $\pm$ 0.000 χ^2/NDF : 5520995734.6/18

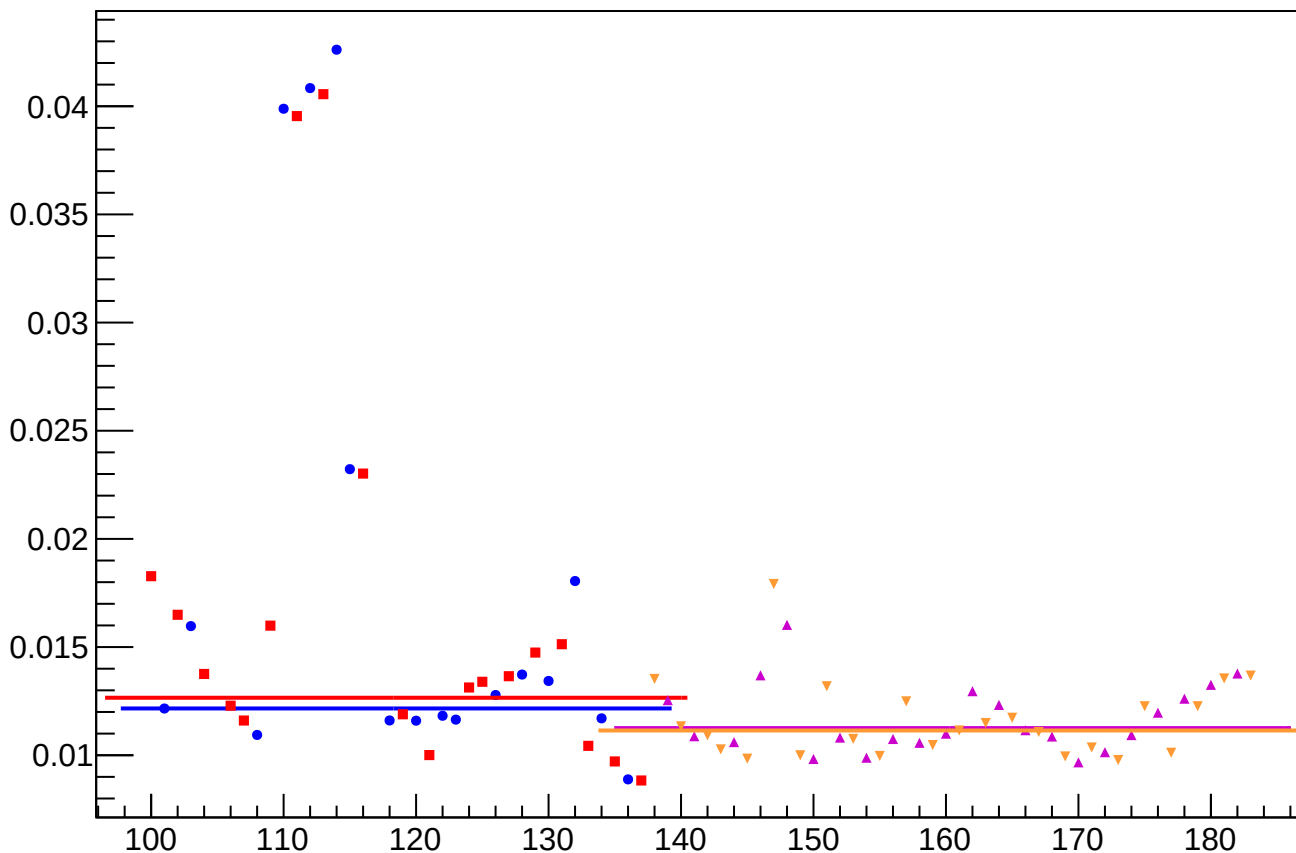
Left In: 0.335 $\pm$ 0.000 χ^2/NDF : 1196575.7/21

+ sign 0.385 $\pm$ 0.000 χ^2/NDF : 6617756390.9/40

All: 0.390 $\pm$ 0.000 χ^2/NDF : 14254359060.6/80

- sign 0.395 $\pm$ 0.000 χ^2/NDF : 7627248877.7/40

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1302333.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 596311.8/23

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1265522.0/18

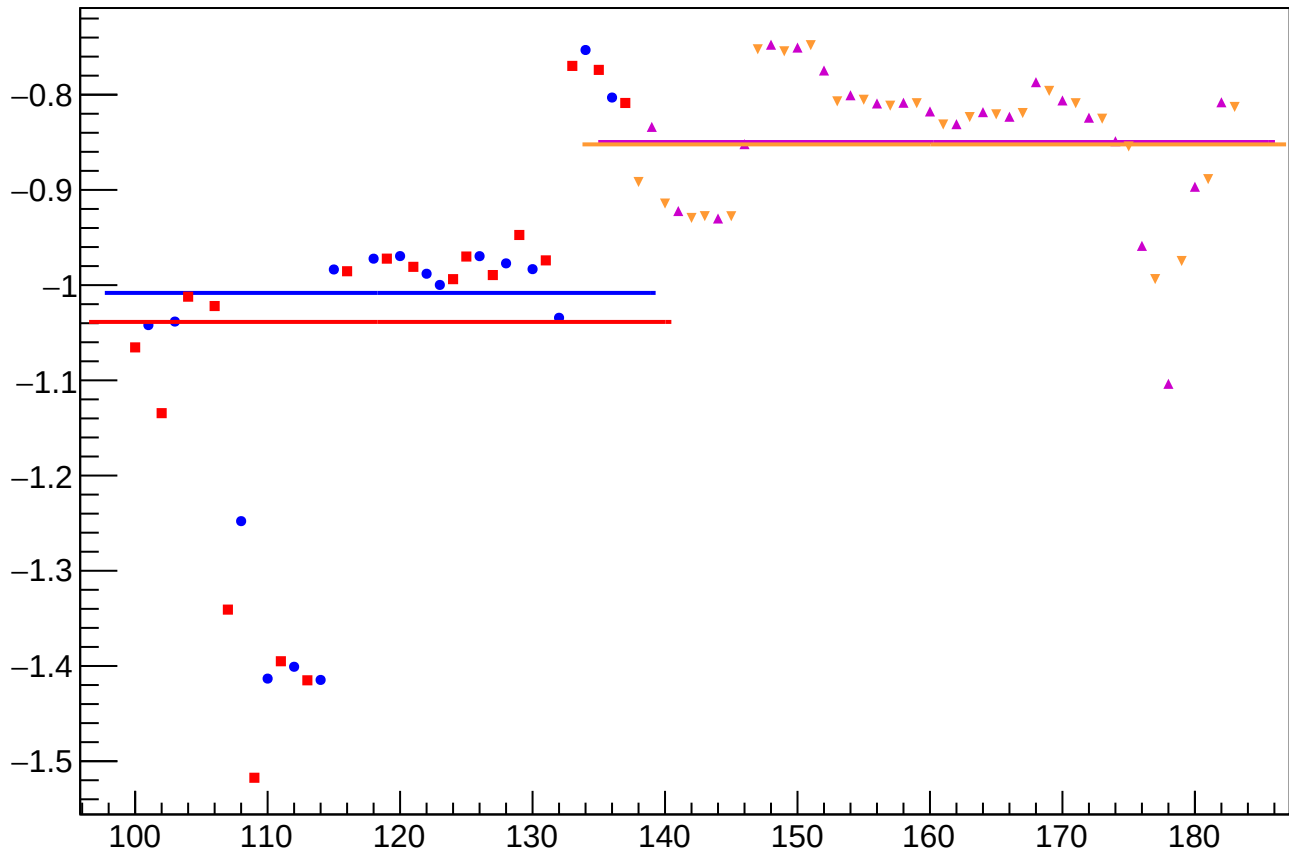
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 494474.3/21

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1960202.5/40

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3839468.1/81

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1872232.1/40

yield_bpm4acX_mean vs Slug



Right In: -1.008 ± 0.000 χ^2/NDF : 393095883.4/16

Left Out: -0.852 ± 0.000 χ^2/NDF : 188521119.1/23

Right Out: -1.039 ± 0.000 χ^2/NDF : 534509069.6/18

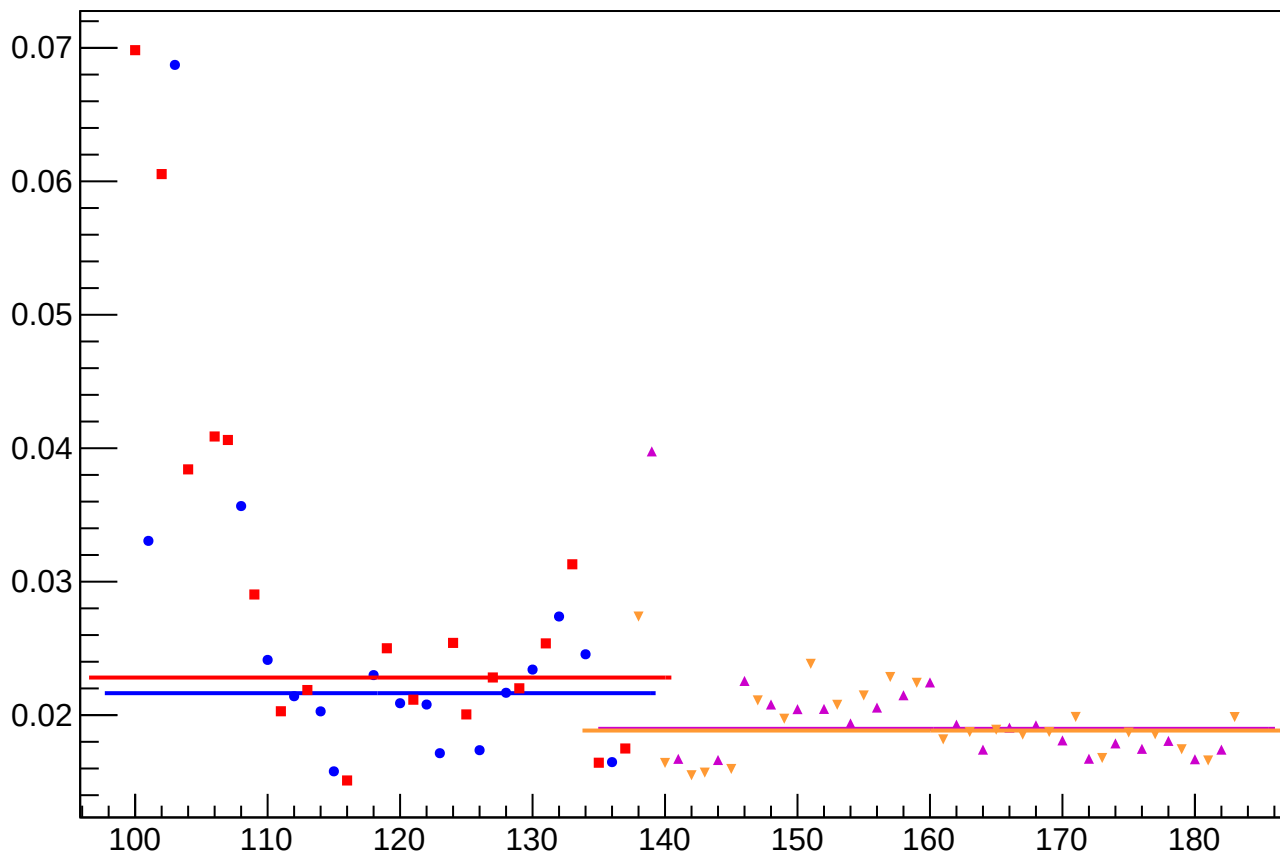
Left In: -0.850 ± 0.000 χ^2/NDF : 255648830.2/21

+ sign -0.884 ± 0.000 χ^2/NDF : 788783515.5/40

All: -0.887 ± 0.000 χ^2/NDF : 1866719856.4/8

- sign -0.889 ± 0.000 χ^2/NDF : 1077335289.8/40

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 983373.6/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 488710.8/23$

Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1150694.3/18$

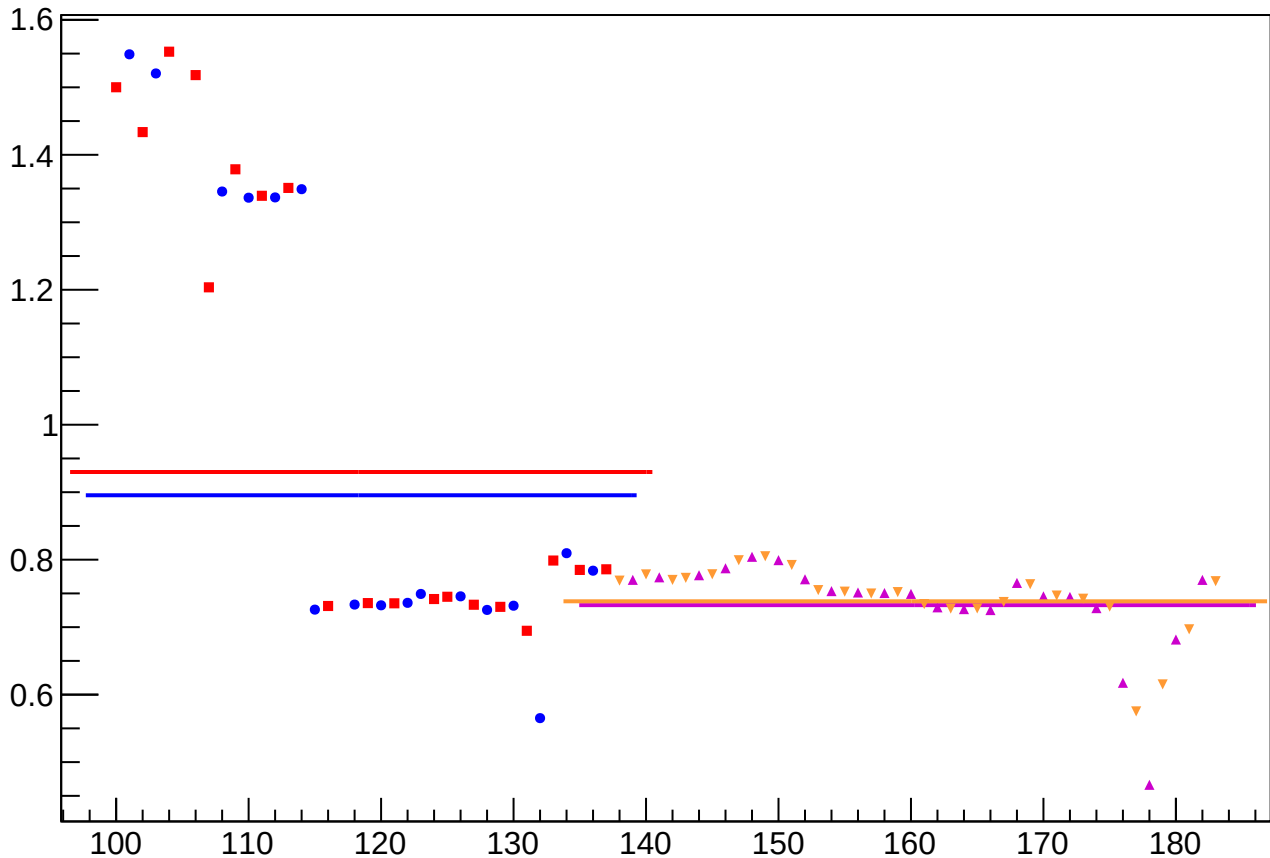
Left In: 0.019 ± 0.000 $\chi^2/\text{NDF}: 642986.7/21$

+ sign 0.019 ± 0.000 $\chi^2/\text{NDF}: 1605596.3/40$

All: 0.020 ± 0.000 $\chi^2/\text{NDF}: 3643170.8/81$

- sign 0.020 ± 0.000 $\chi^2/\text{NDF}: 2031232.8/40$

yield_bpm4acY_mean vs Slug



Right In: 0.895 $\pm$ 0.000 χ^2 /NDF: 2392918091.7/16

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 331279844.8/23

Right Out: 0.930 $\pm$ 0.000 χ^2 /NDF: 2420081209.6/18

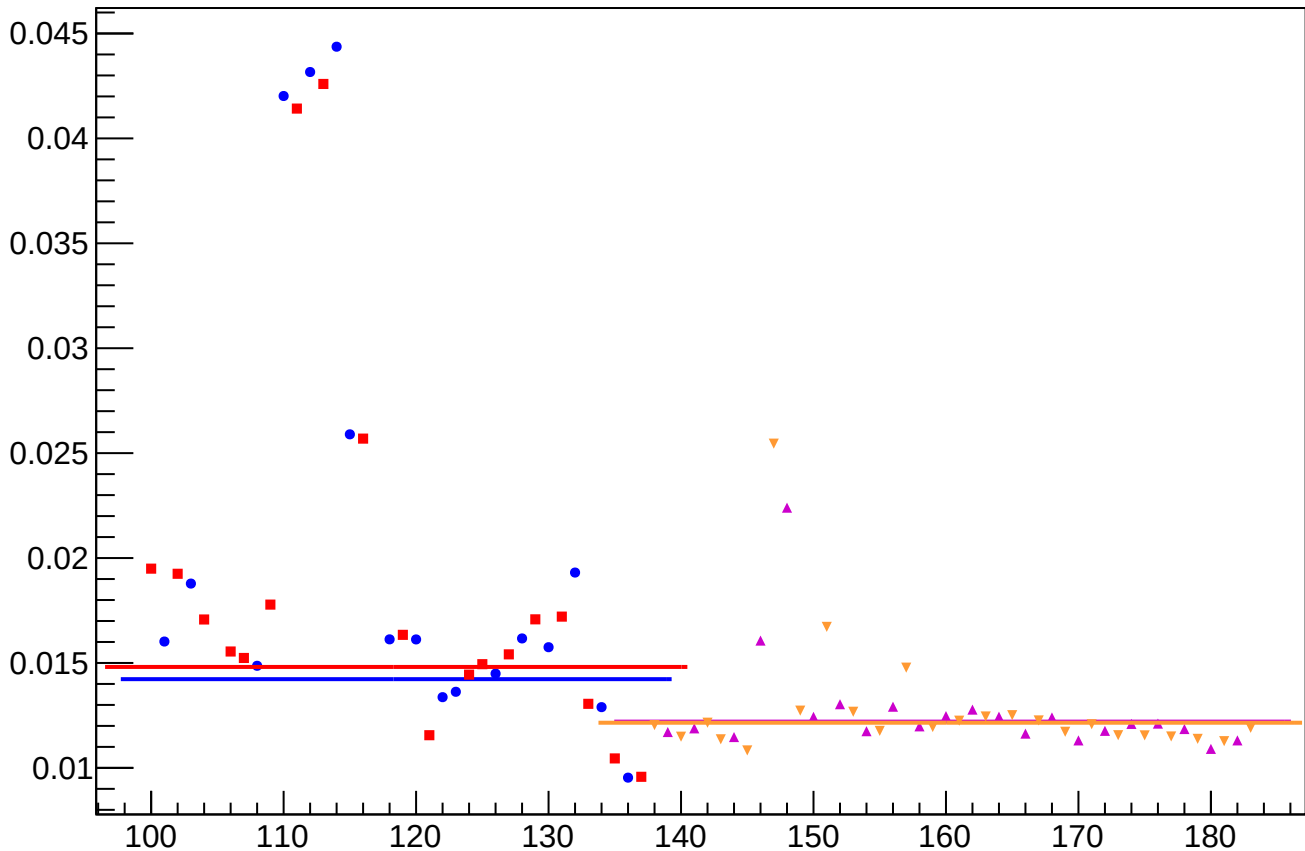
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 567388406.5/21

+ sign 0.768 $\pm$ 0.000 χ^2 /NDF: 3274870736.4/40

All: 0.770 $\pm$ 0.000 χ^2 /NDF: 7113025681.4/83

- sign 0.771 $\pm$ 0.000 χ^2 /NDF: 3837347650.4/40

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1403945.8/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:636527.5/23

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1267250.0/18

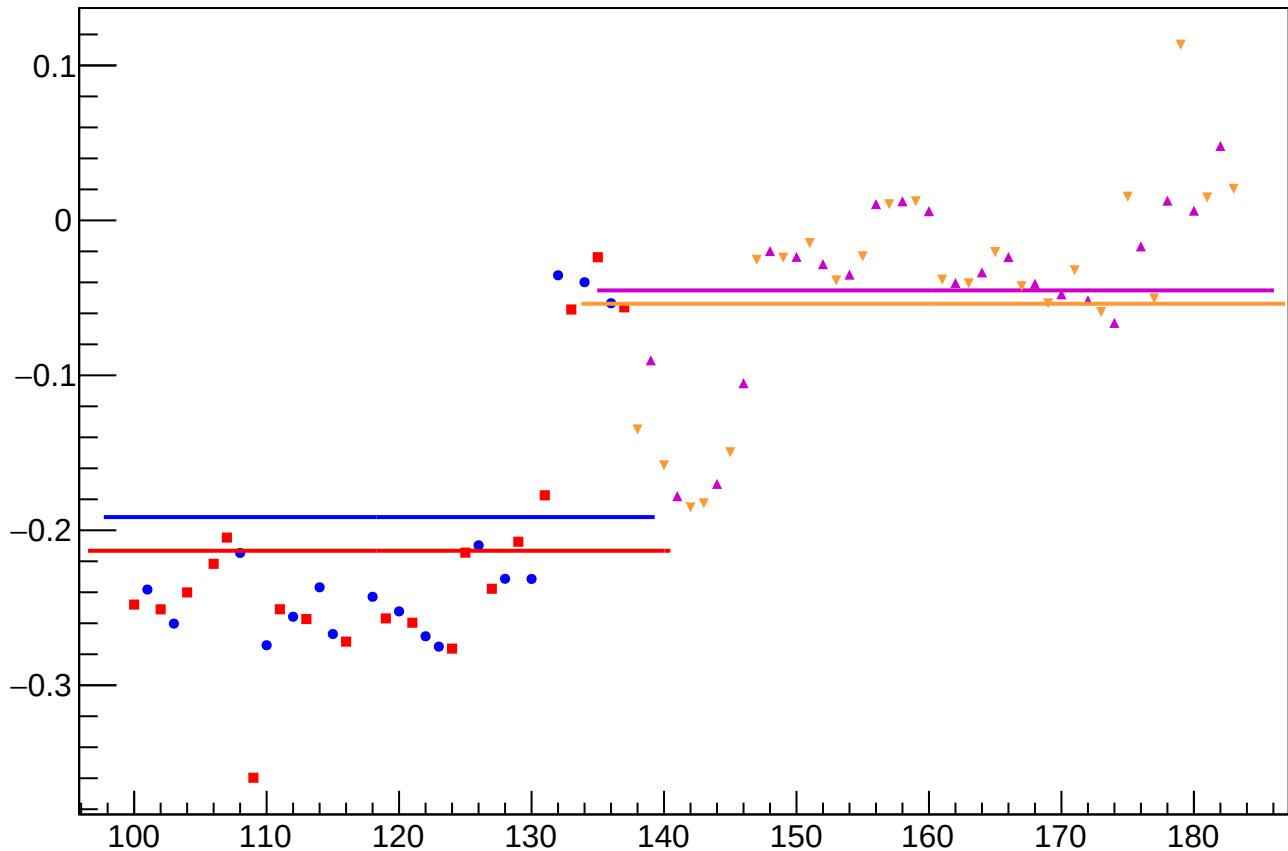
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:479147.1/21

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2232762.8/40

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4279815.4/81

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2042834.6/40

yield_bpm4ecX_mean vs Slug



Right In: -0.191+/-0.000 χ^2/NDF : 105957051.0/16

Left Out: -0.054+/-0.000 χ^2/NDF : 167782654.1/23

Right Out: -0.213+/-0.000 χ^2/NDF : 109604825.2/18

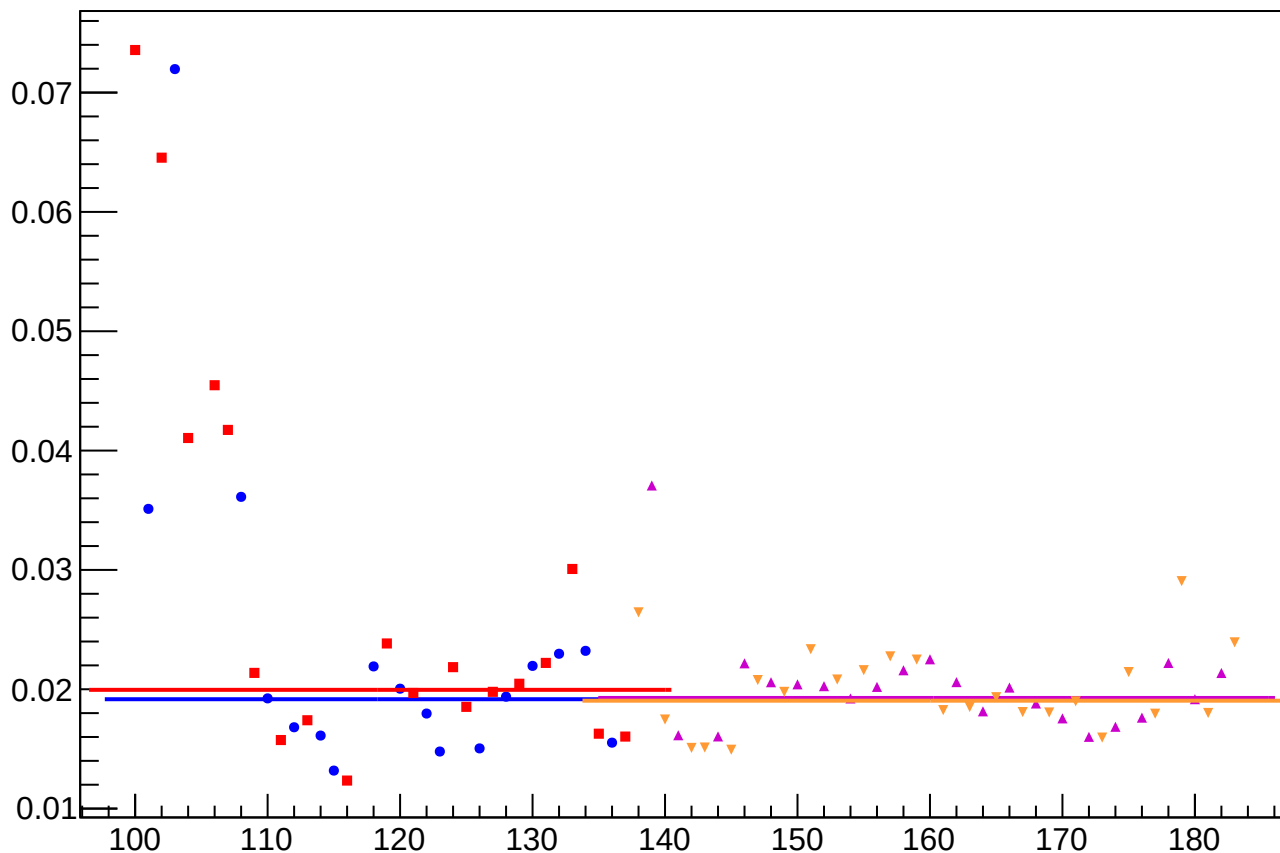
Left In: -0.045+/-0.000 χ^2/NDF : 124018206.7/21

+ sign -0.089+/-0.000 χ^2/NDF : 464386230.3/40

All: -0.089+/-0.000 χ^2/NDF : 969465084.1/81

- sign -0.089+/-0.000 χ^2/NDF : 505078770.4/40

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1183198.6/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 690483.3/23

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1442604.7/18

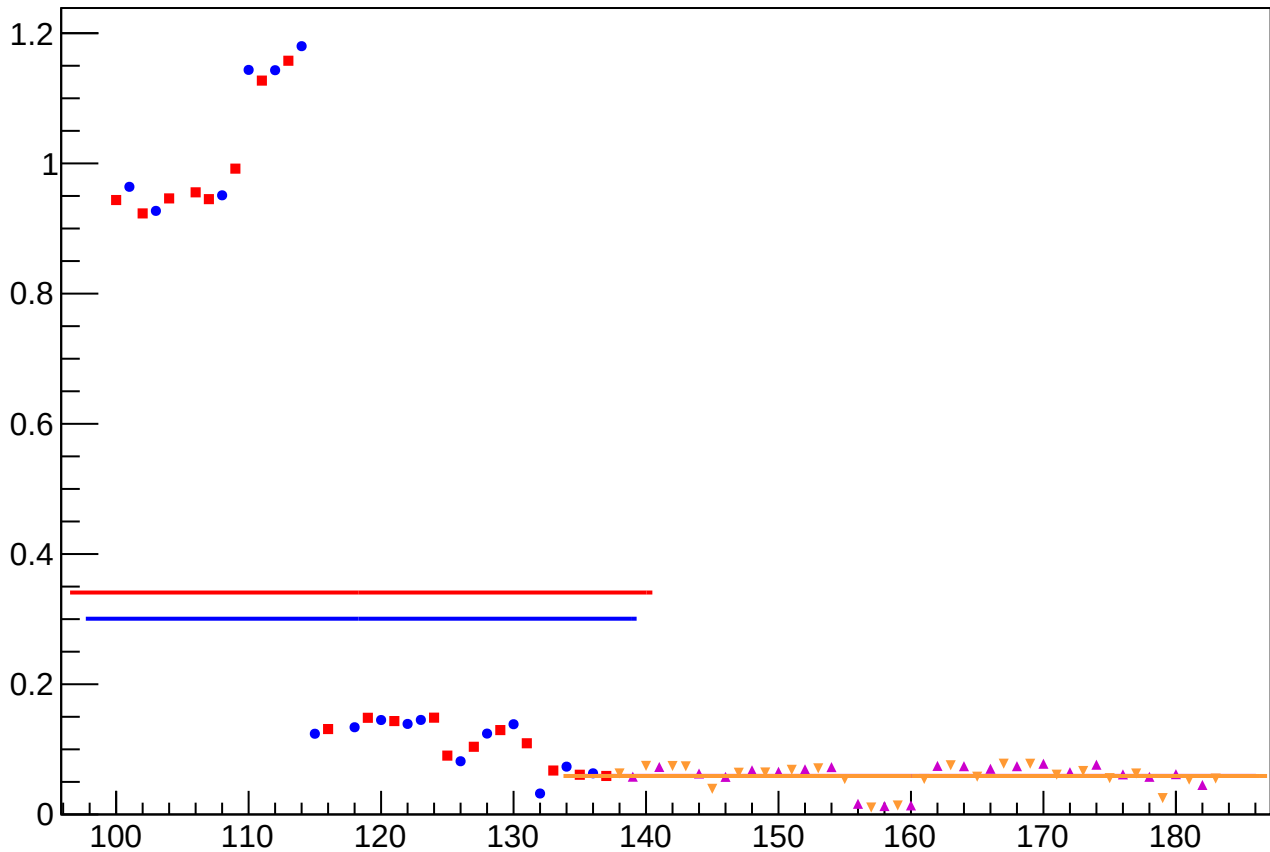
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 651133.1/21

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1873979.3/40

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3983815.7/81

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2102653.2/40

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5169454550.2/16

Left Out: 0.059+/-0.000 χ^2/NDF : 46598344.5/23

Right Out: 0.341+/-0.000 χ^2/NDF : 5465725389.6/18

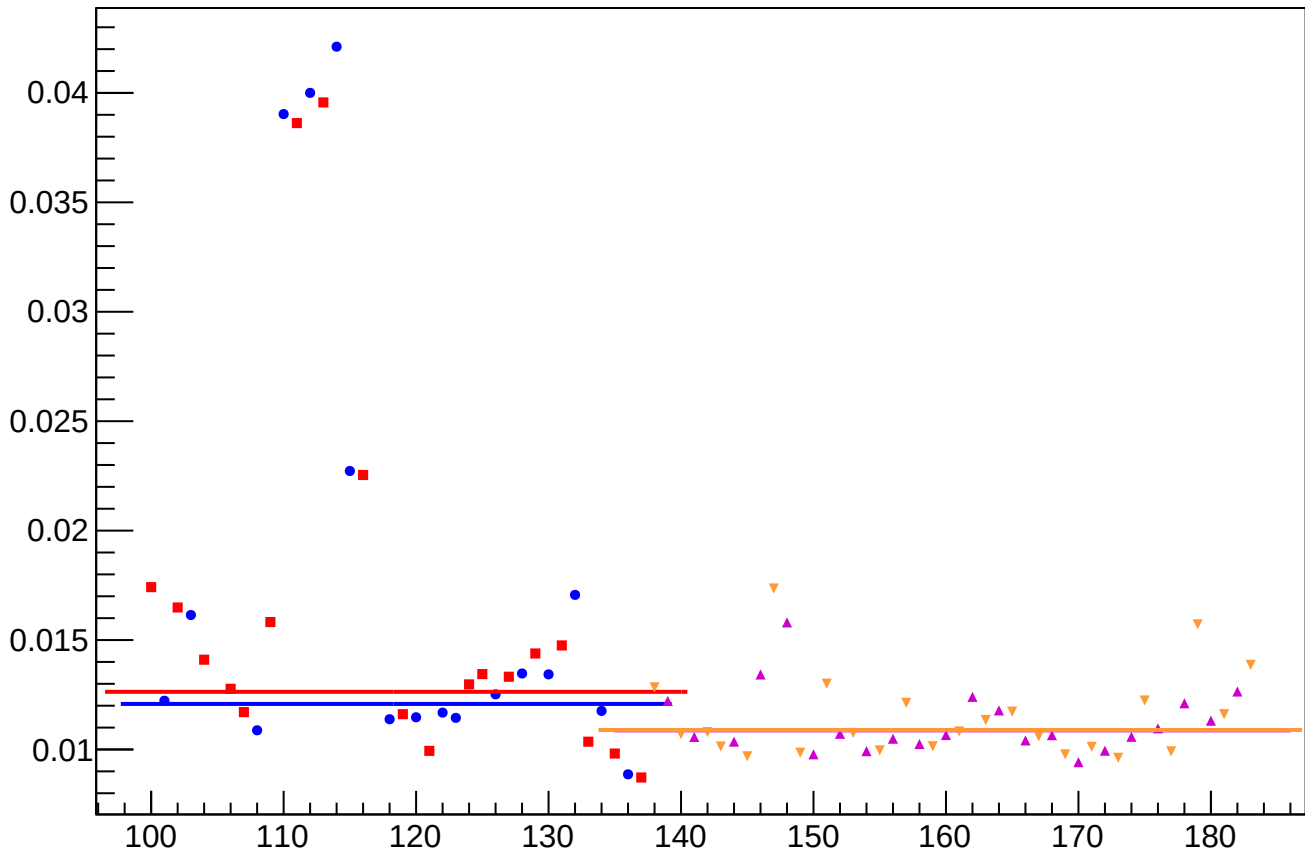
Left In: 0.059+/-0.000 χ^2/NDF : 58128971.6/21

+ sign 0.111+/-0.000 χ^2/NDF : 6975490388.1/40

All: 0.115+/-0.000 χ^2/NDF : 14803151760.6/80

- sign 0.119+/-0.000 χ^2/NDF : 7821565051.1/40

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1275060.9/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 595907.3/23

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1234267.8/18

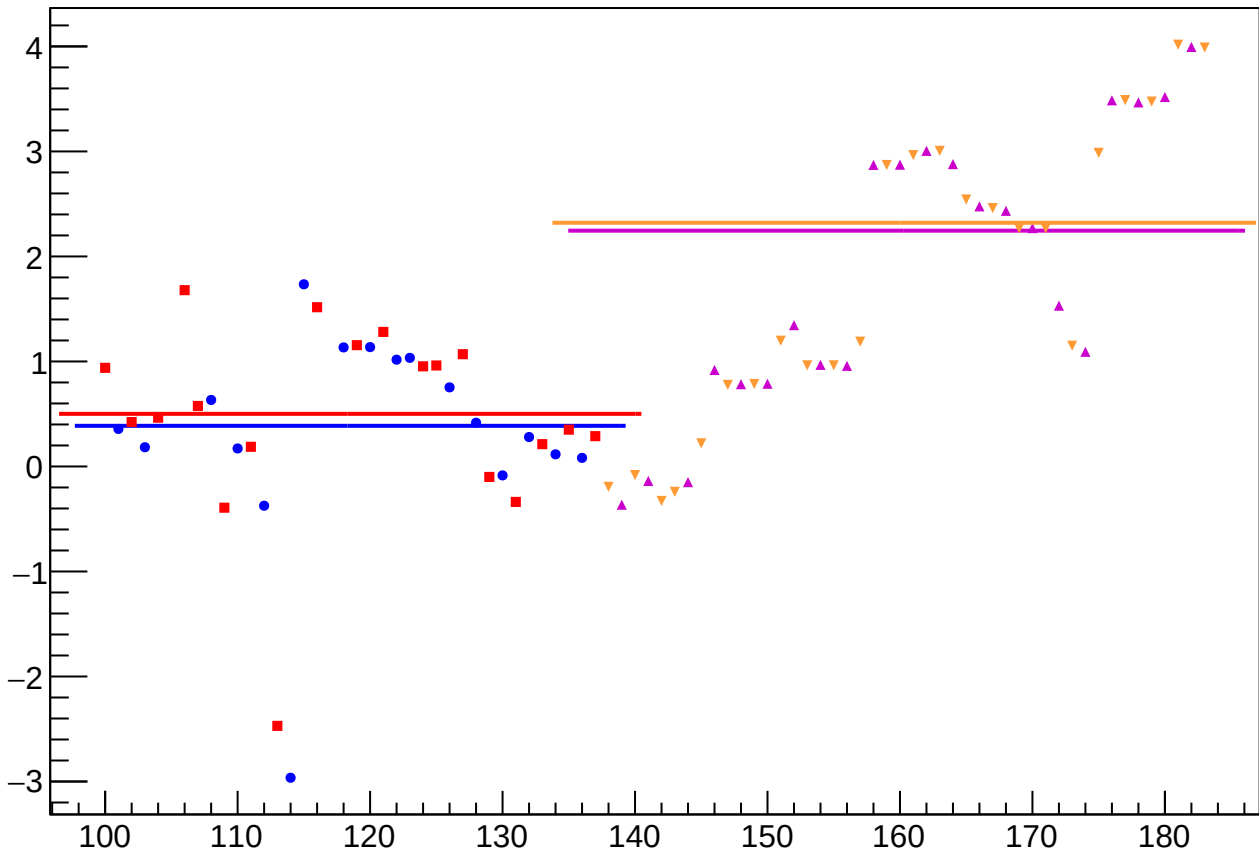
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 394135.3/21

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1956484.3/40

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3766601.1/81

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1808301.8/40

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 243730591.1/16

Left Out: 2.321 $\pm$ 0.000 χ^2 /NDF: 61200024307.0/23

Right Out: 0.501 $\pm$ 0.000 χ^2 /NDF: 983060826.6/18

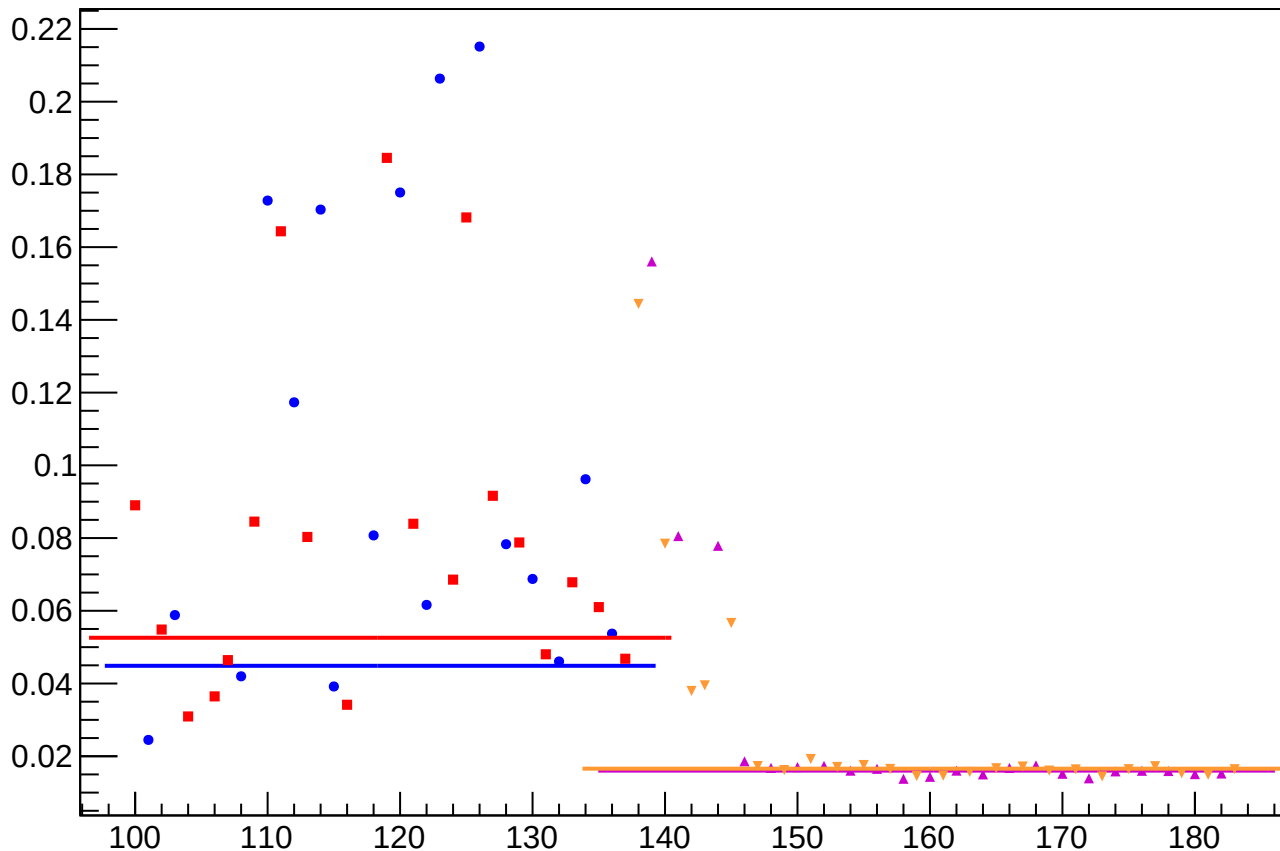
Left In: 2.245 $\pm$ 0.000 χ^2 /NDF: 58347824050.6/21

+ sign 2.256 $\pm$ 0.000 χ^2 /NDF: 67753309290.3/40

All: 2.226 $\pm$ 0.000 χ^2 /NDF: 131570487500.2

- sign 2.196 $\pm$ 0.000 χ^2 /NDF: 63724090400.1/40

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2772873.5/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2622725.2/23

Right Out: 0.053+/-0.000 χ^2/NDF : 2178932.6/18

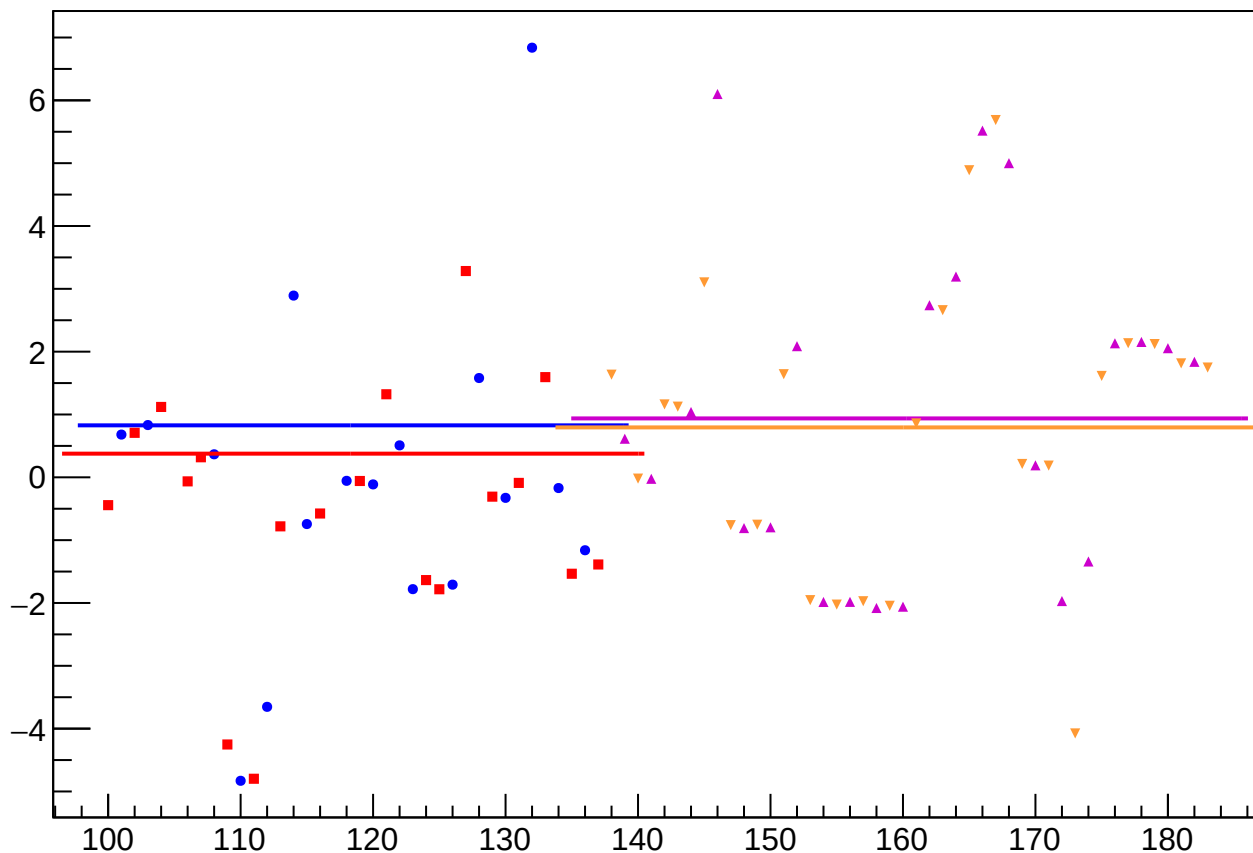
Left In: 0.016+/-0.000 χ^2/NDF : 2462248.1/21

+ sign 0.018+/-0.000 χ^2/NDF : 8094922.4/40

All: 0.017+/-0.000 χ^2/NDF : 16602531.7/81

- sign 0.017+/-0.000 χ^2/NDF : 8496597.2/40

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10943374014.3/16

Left Out: 0.794 ± 0.000 χ^2/NDF : 506337205138.8/23

Right Out: 0.377 ± 0.000 χ^2/NDF : 4942288775.5/18

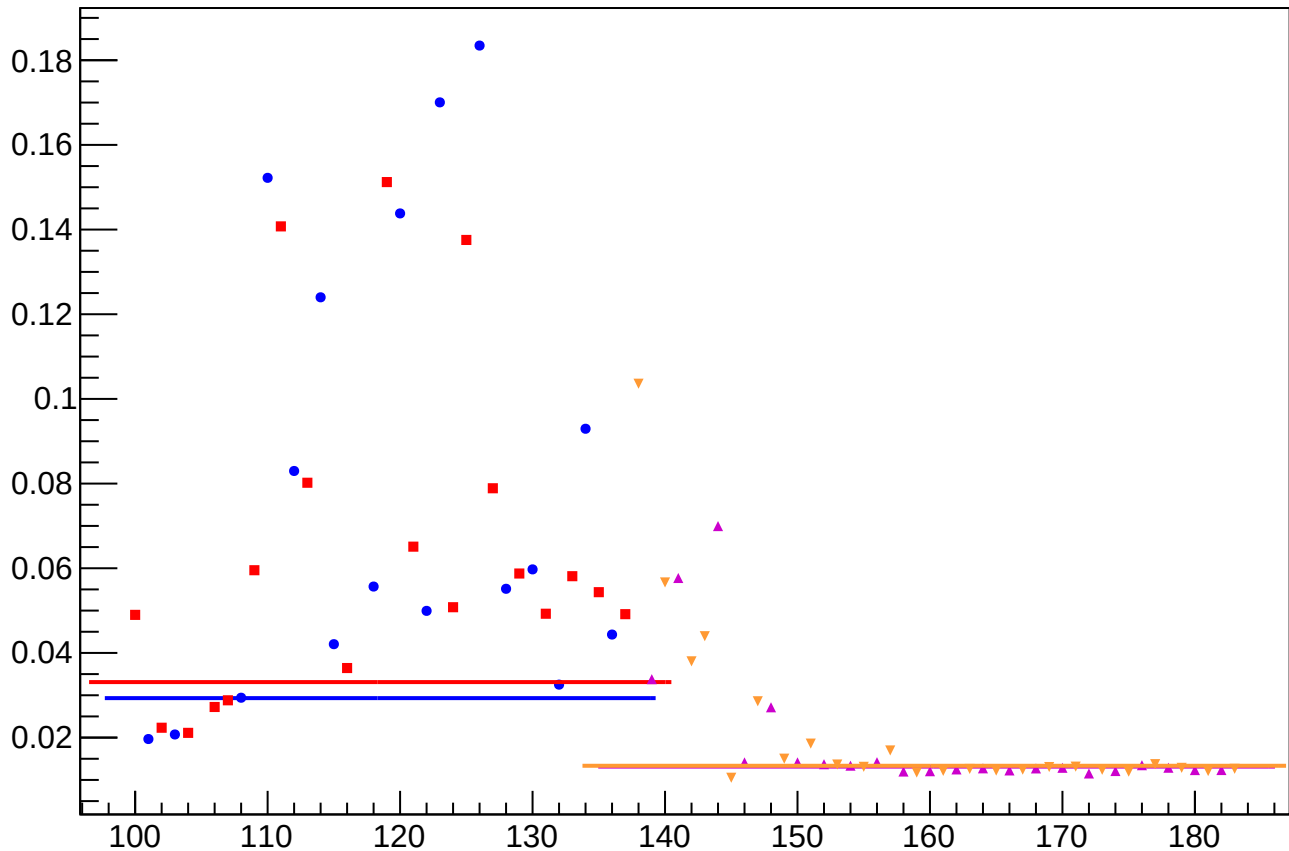
Left In: 0.938 ± 0.000 χ^2/NDF : 573654708847.8/21

+ sign 0.796 ± 0.000 χ^2/NDF : 517284632751.3/40

All: 0.855 ± 0.000 χ^2/NDF : 1097558650625.

- sign 0.915 ± 0.000 χ^2/NDF : 579651468995.8/40

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2967975.9/16

Left Out: 0.013+/-0.000 χ^2/NDF :2828644.6/23

Right Out: 0.033+/-0.000 χ^2/NDF : 3080799.9/18

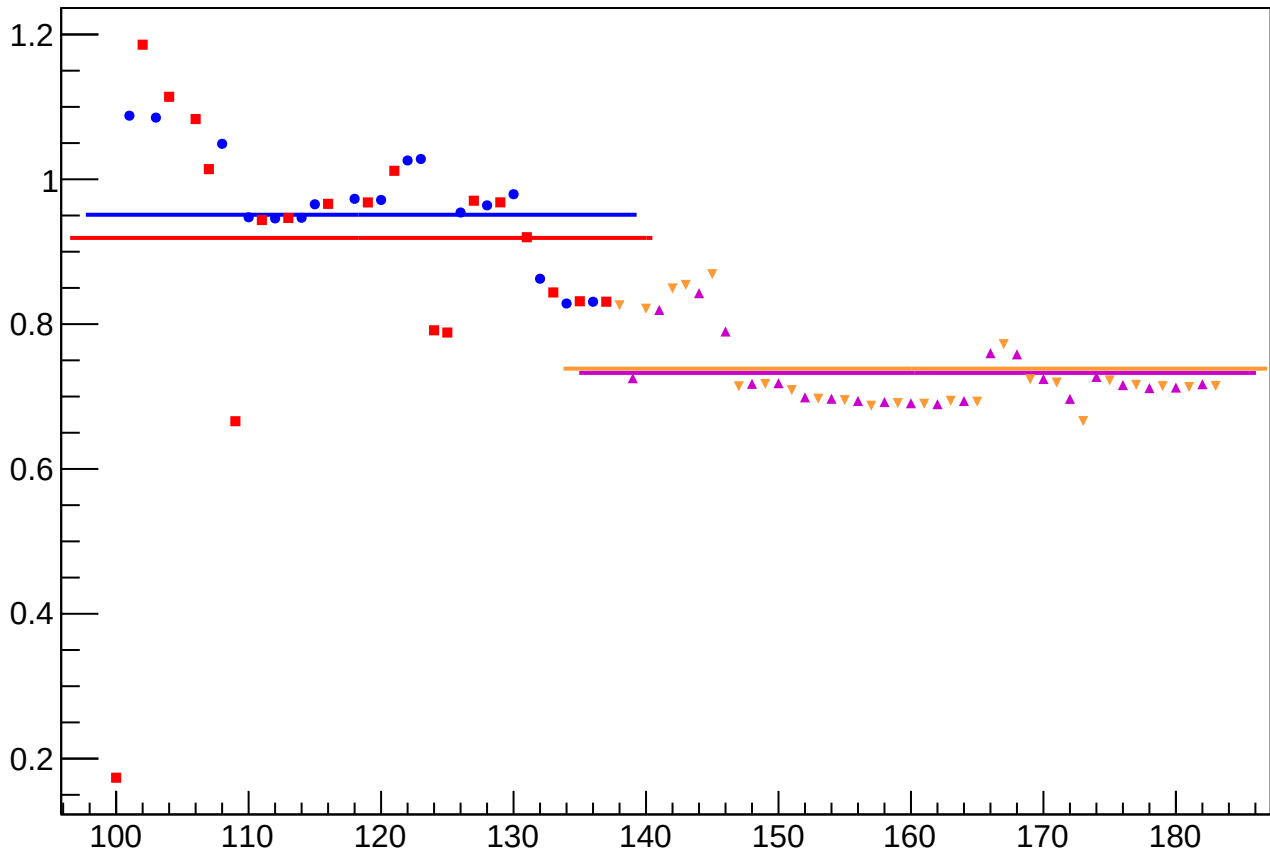
Left In: 0.013+/-0.000 χ^2/NDF :1966639.3/21

+ sign 0.014+/-0.000 χ^2/NDF : 7713559.3/40

All: 0.014+/-0.000 χ^2/NDF : 15434024.7/81

- sign 0.014+/-0.000 χ^2/NDF : 7719249.8/40

yield_bpm11X_mean vs Slug



Right In: 0.951 $\pm$ 0.000 χ^2 /NDF: 174262904.5/16

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF: 309878335.0/23

+ sign 0.794 $\pm$ 0.000 χ^2 /NDF: 1493795085.7/40

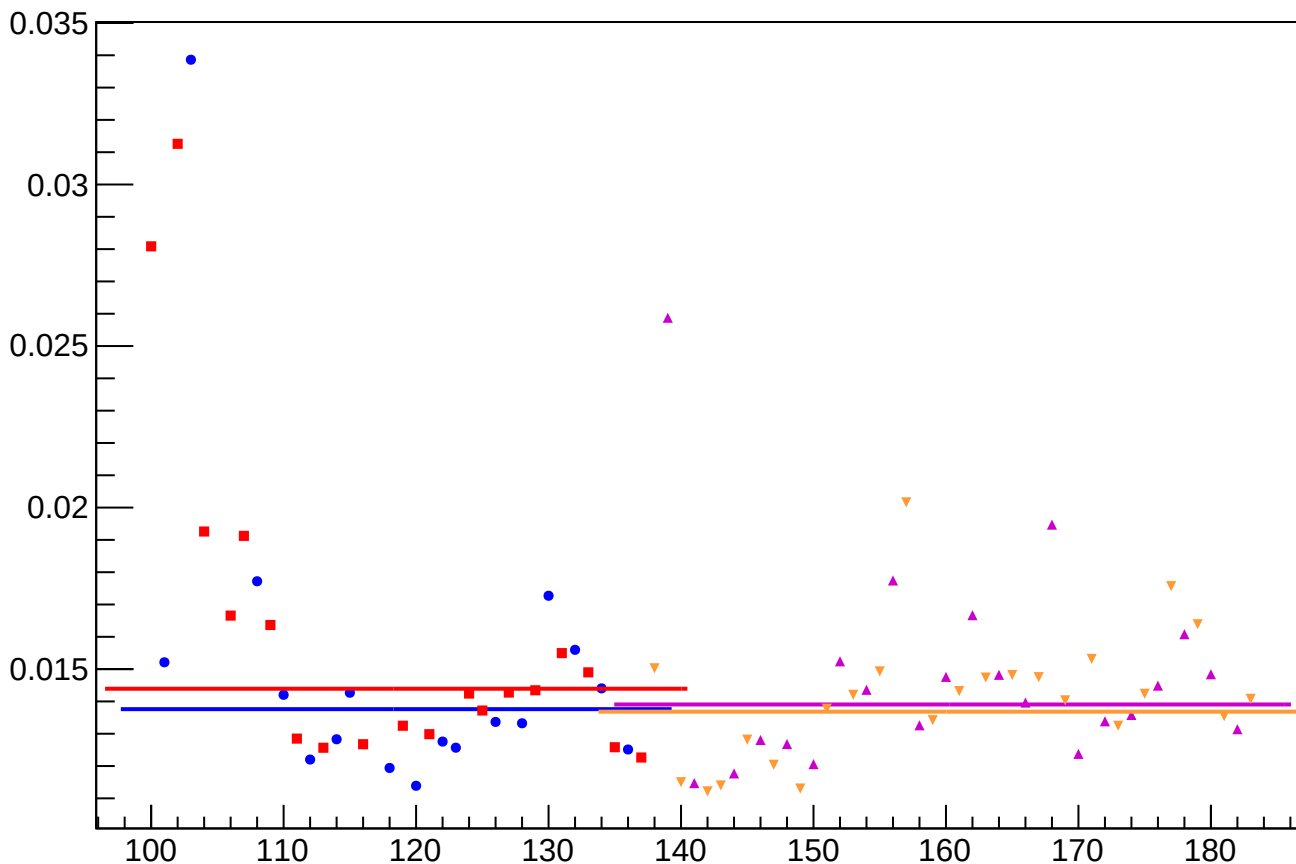
Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374649317.1/18

All: 0.789 $\pm$ 0.000 χ^2 /NDF: 2787675978.5/83

- sign 0.783 $\pm$ 0.000 χ^2 /NDF: 1286780937.7/40

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170356605.1/21

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538388.7/16

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 527715.4/23

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 504068.1/18

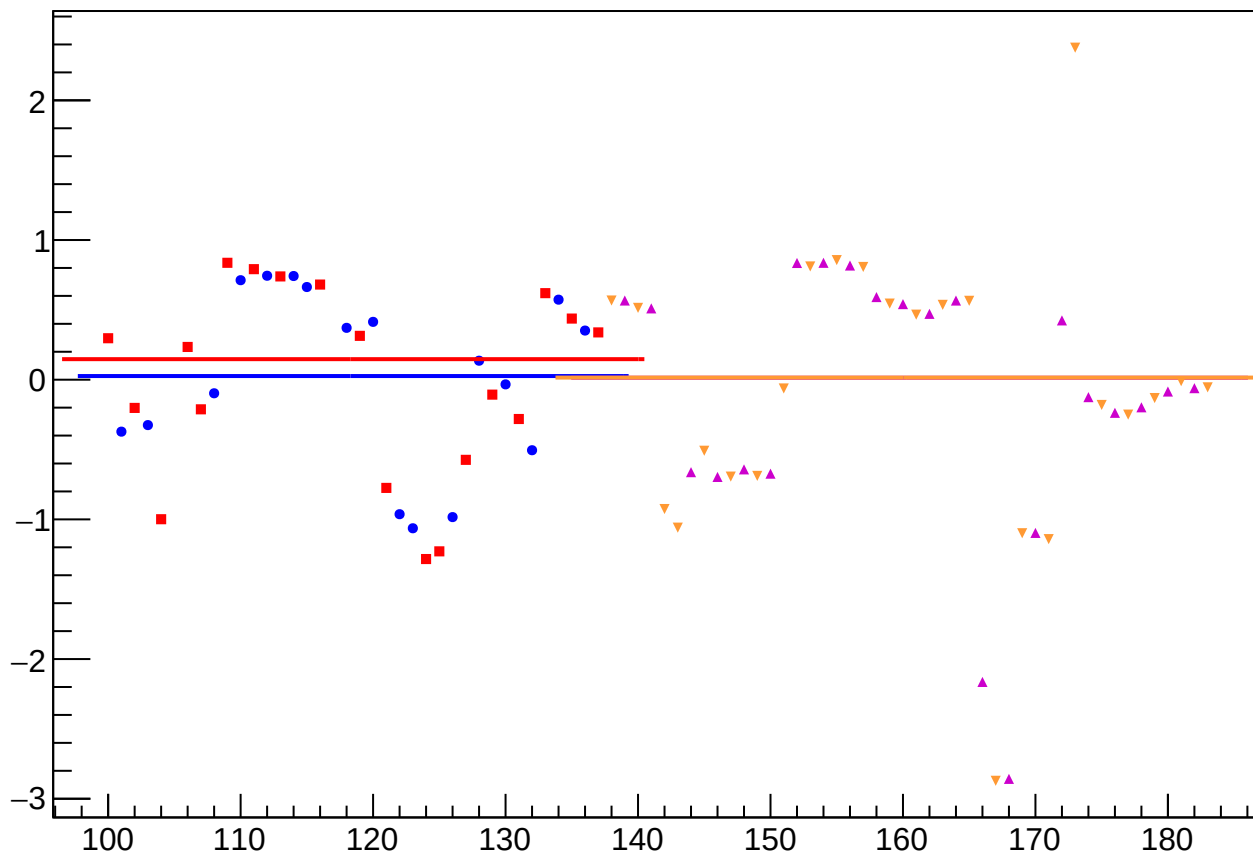
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 794039.6/21

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1066374.0/40

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2387087.0/81

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1308247.7/40

yield_bpm11Y_mean vs Slug



Right In: 0.026+/-0.000 χ^2/NDF : 6307097032.6/16

Left Out: 0.015+/-0.000 χ^2/NDF : 96086271567.6/23

Right Out: 0.147+/-0.000 χ^2/NDF : 12778628282.5/18

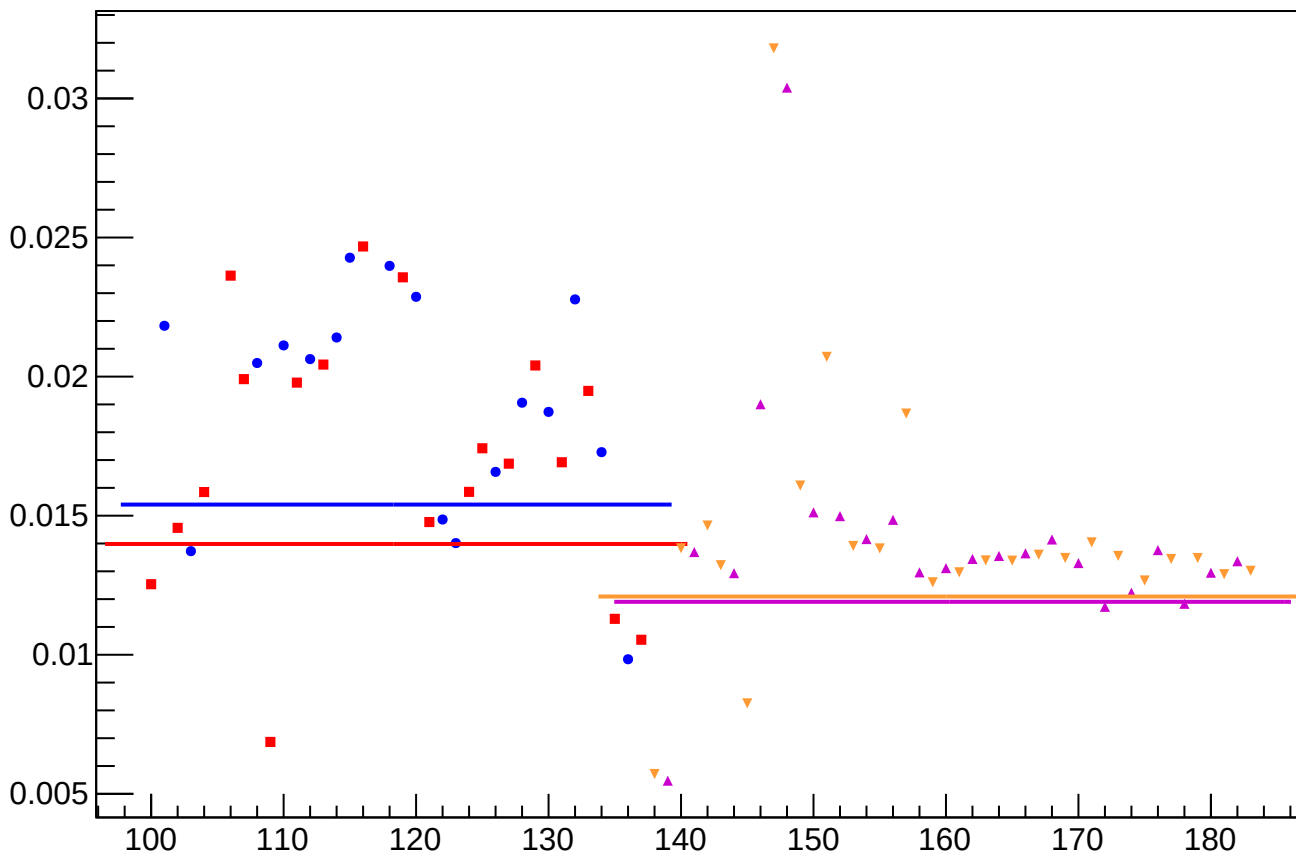
Left In: 0.014+/-0.000 χ^2/NDF : 79439744314.3/21

+ sign 0.017+/-0.000 χ^2/NDF : 102395716944.0/40

All: 0.030+/-0.000 χ^2/NDF : 195054087354.6

- sign 0.042+/-0.000 χ^2/NDF : 92616039415.5/40

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1140025.0/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 3101386.7/23

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1557209.7/18

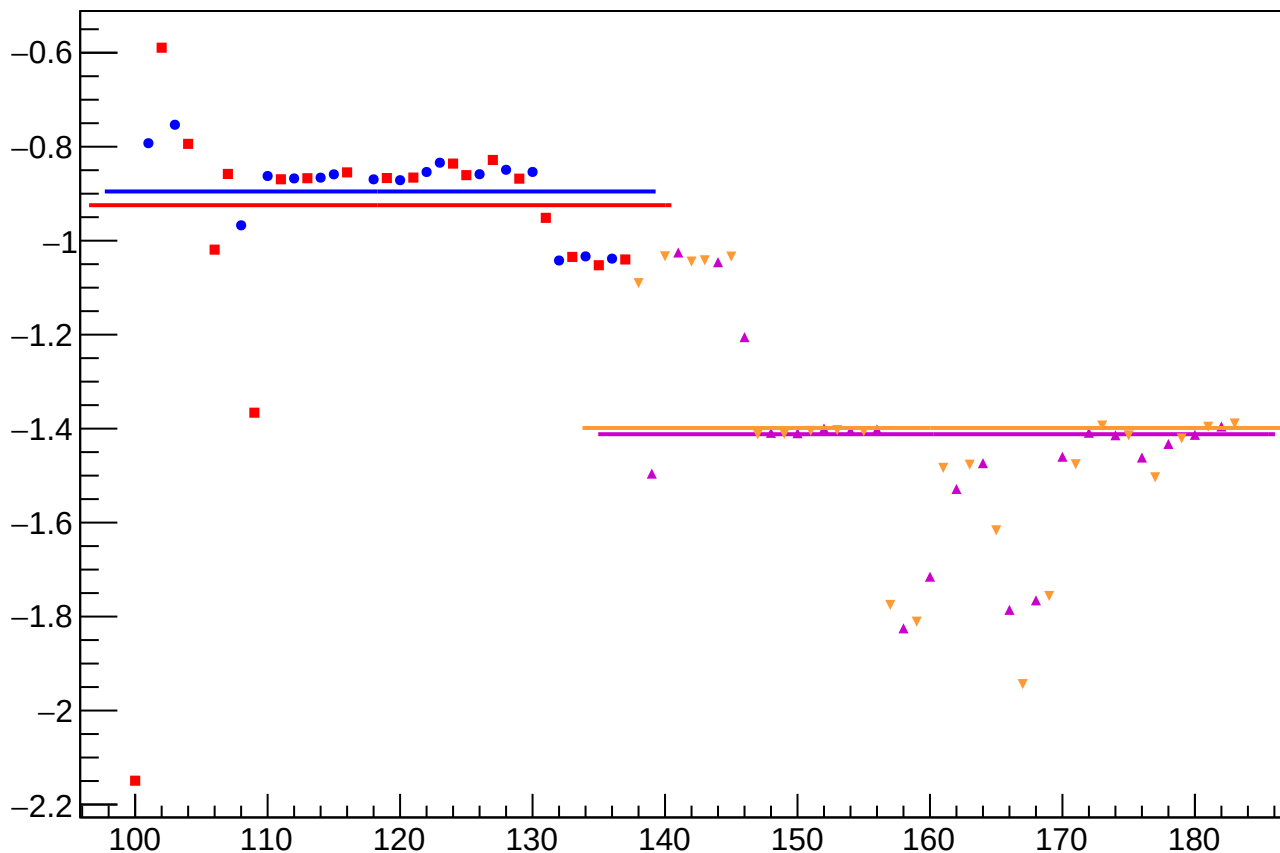
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 3098984.6/21

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4663623.4/40

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 9528955.2/81

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4850270.1/40

yield_bpm12X_mean vs Slug



Right In: -0.895 ± 0.000 χ^2/NDF : 37924701.6/16

Left Out: -1.399 ± 0.000 χ^2/NDF : 734561871.7/23

Right Out: -0.925 ± 0.000 χ^2/NDF : 128433305.9/18

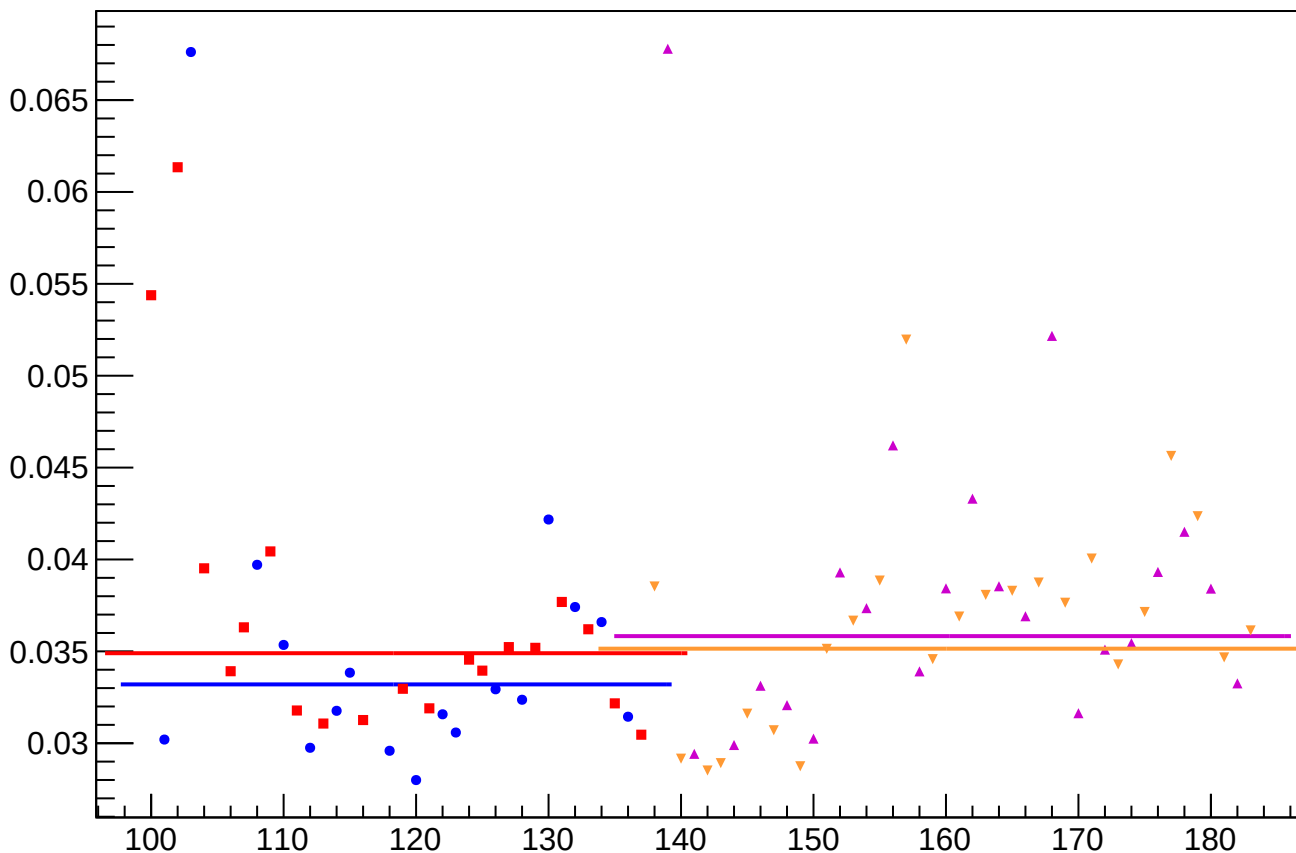
Left In: -1.412 ± 0.000 χ^2/NDF : 512528426.4/21

+ sign -1.252 ± 0.000 χ^2/NDF : 1716820880.8/40

All: -1.259 ± 0.000 χ^2/NDF : 3196951929.2/8

- sign -1.266 ± 0.000 χ^2/NDF : 1478477135.2/40

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 399489.1/16

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 595489.7/23

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 275503.7/18

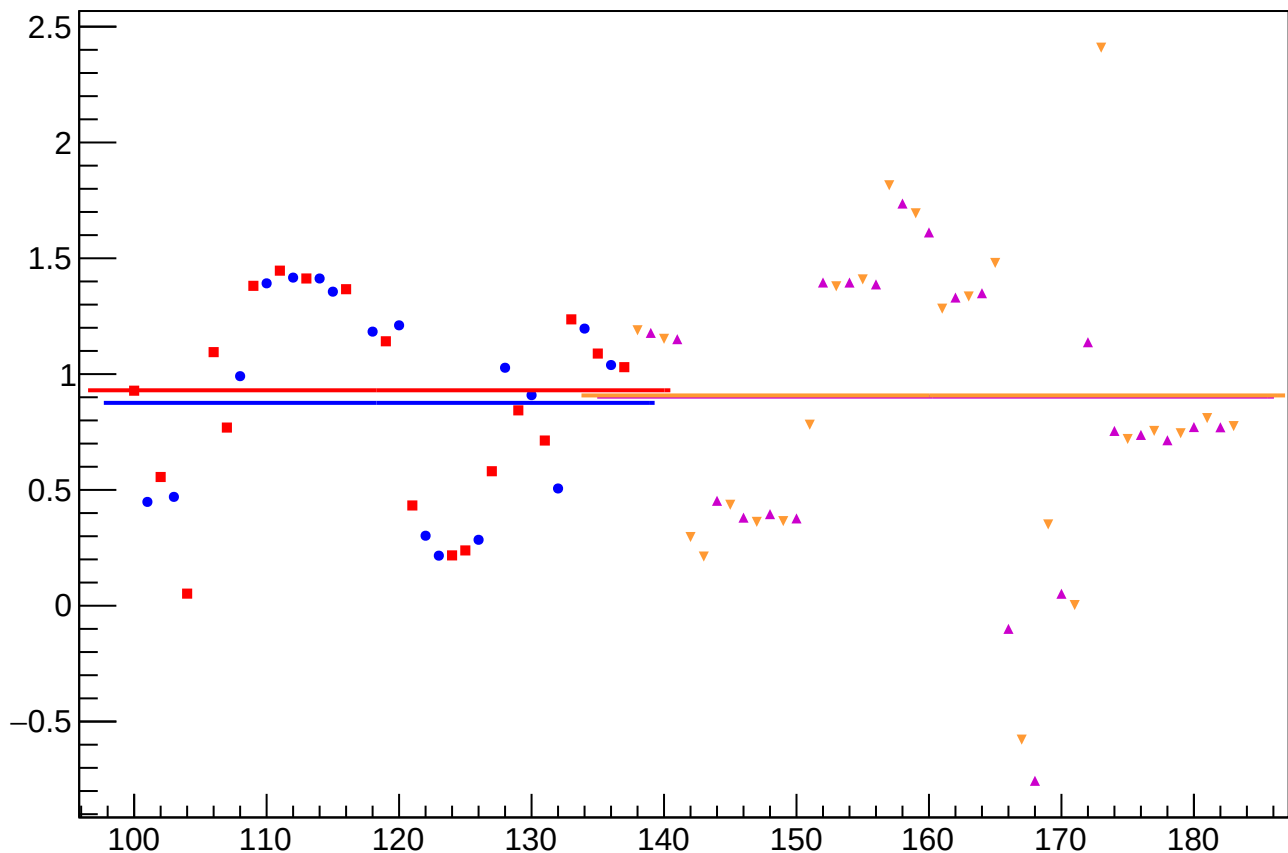
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890897.3/21

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1023164.6/40

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 2212053.0/81

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 1172499.4/40

yield_bpm12Y_mean vs Slug



Right In: 0.876 $\pm$ 0.000 χ^2 /NDF: 6459481069.8/16

Left Out: 0.908 $\pm$ 0.000 χ^2 /NDF: 84072674670.7/23

Right Out: 0.930 $\pm$ 0.000 χ^2 /NDF: 9956405982.6/18

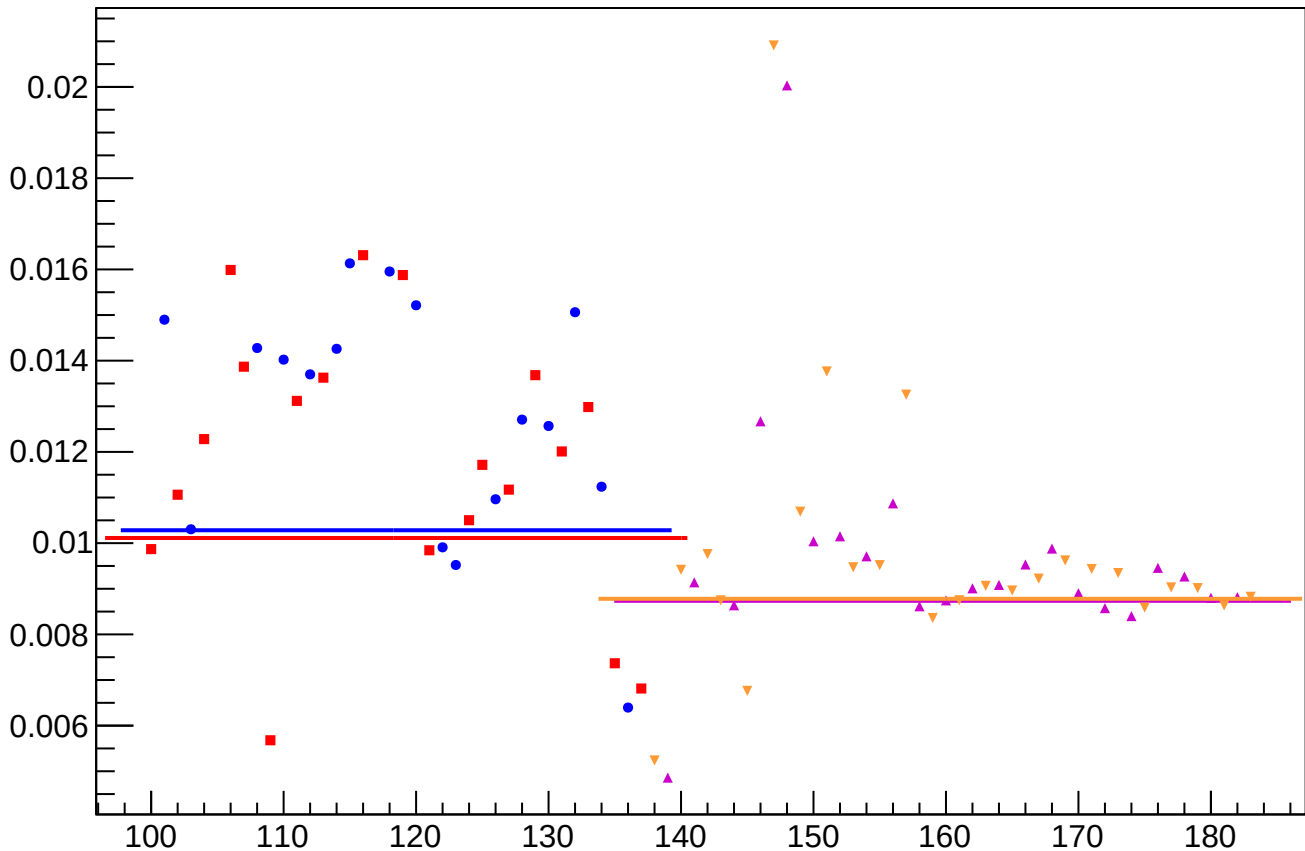
Left In: 0.903 $\pm$ 0.000 χ^2 /NDF: 66879161750.9/21

+ sign 0.902 $\pm$ 0.000 χ^2 /NDF: 90575469090.4/40

All: 0.905 $\pm$ 0.000 χ^2 /NDF: 167450969618.7

- sign 0.909 $\pm$ 0.000 χ^2 /NDF: 76868933194.8/40

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1205873.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698020.1/23

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1173455.7/18

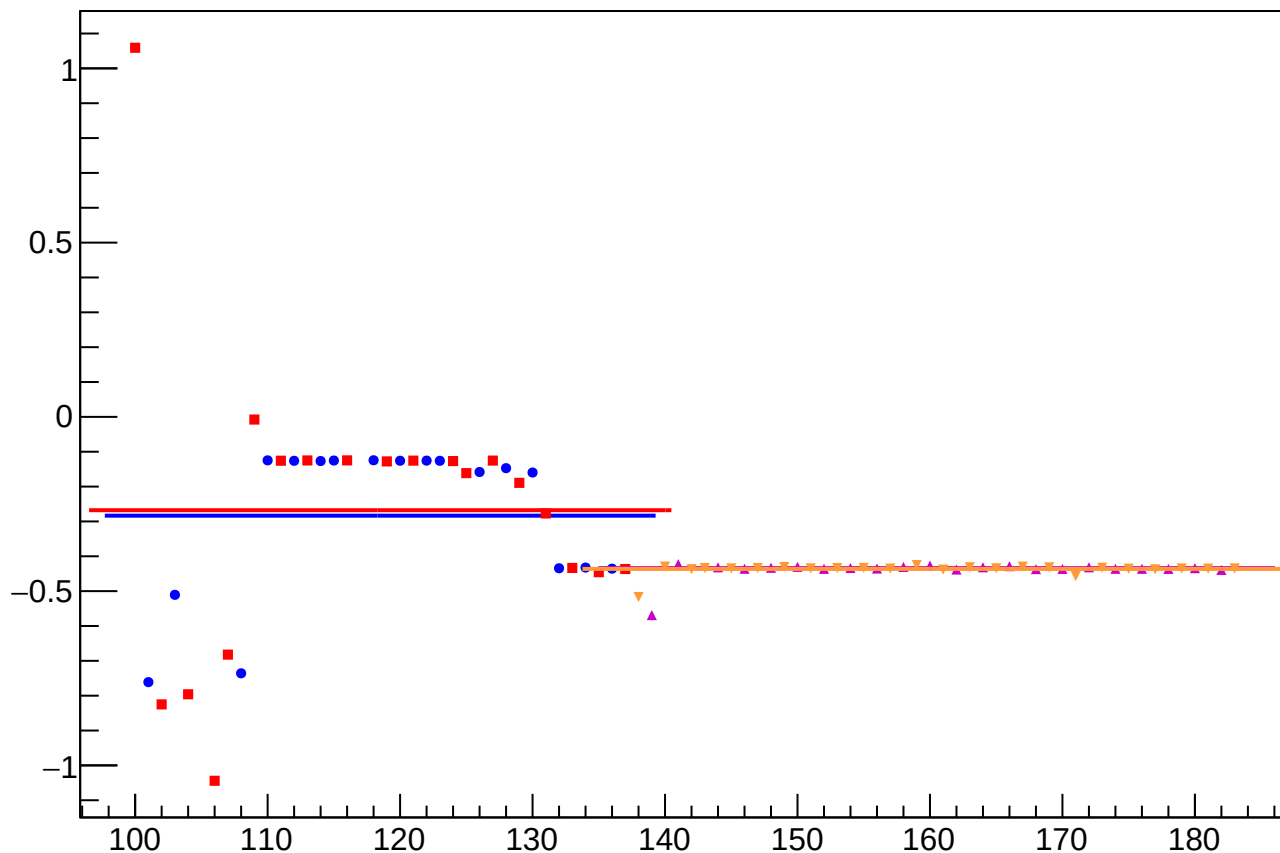
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/21

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3094055.5/40

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6106669.3/81

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3012244.6/40

yield_bpm16X_mean vs Slug



Right In: -0.283 ± 0.000 χ^2/NDF : 894148140.5/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776378.0/23

Right Out: -0.268 ± 0.000 χ^2/NDF : 965641428.6/18

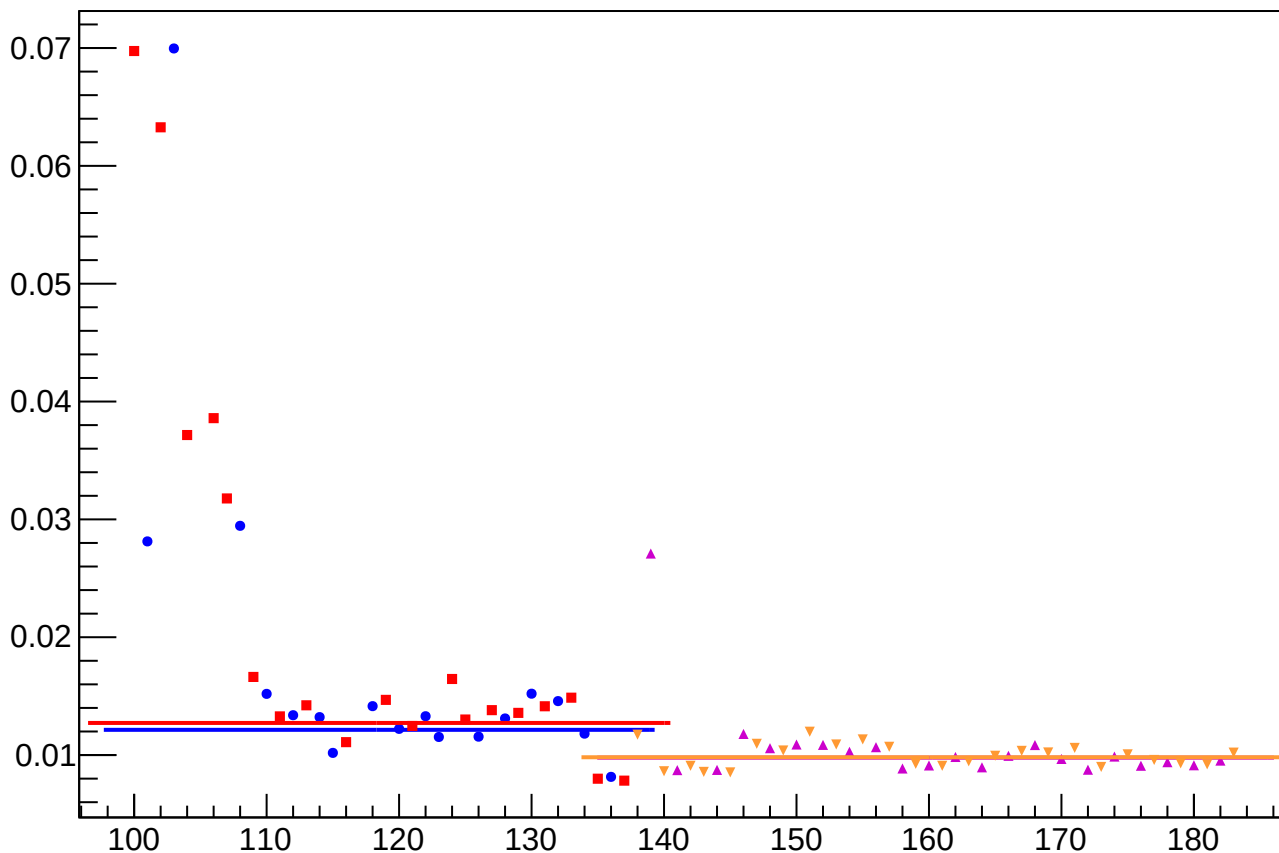
Left In: -0.434 ± 0.000 χ^2/NDF : 20161259.3/21

+ sign -0.411 ± 0.000 χ^2/NDF : 1537219642.2/40

All: -0.409 ± 0.000 χ^2/NDF : 3211079452.6/8

- sign -0.407 ± 0.000 χ^2/NDF : 1671949790.0/40

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1720286.9/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 271104.1/23

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1968271.3/18

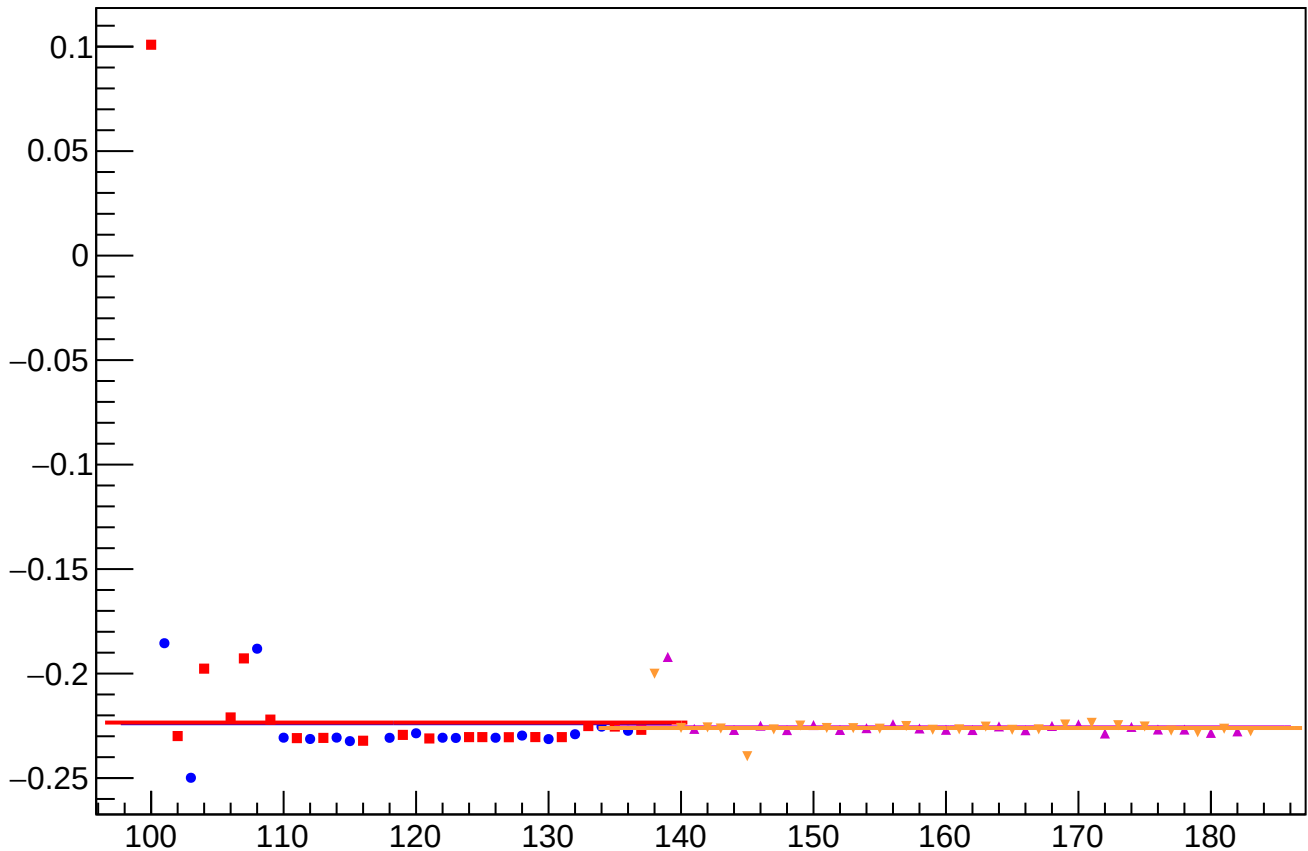
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 785786.0/21

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2276617.9/40

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5462761.7/81

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3185247.4/40

yield_bpm16Y_mean vs Slug



Right In: -0.224 ± 0.000 χ^2/NDF : 74201194.4/16

Left Out: -0.226 ± 0.000 χ^2/NDF : 21176650.7/23

+ sign -0.225 ± 0.000 χ^2/NDF : 96395403.8/40

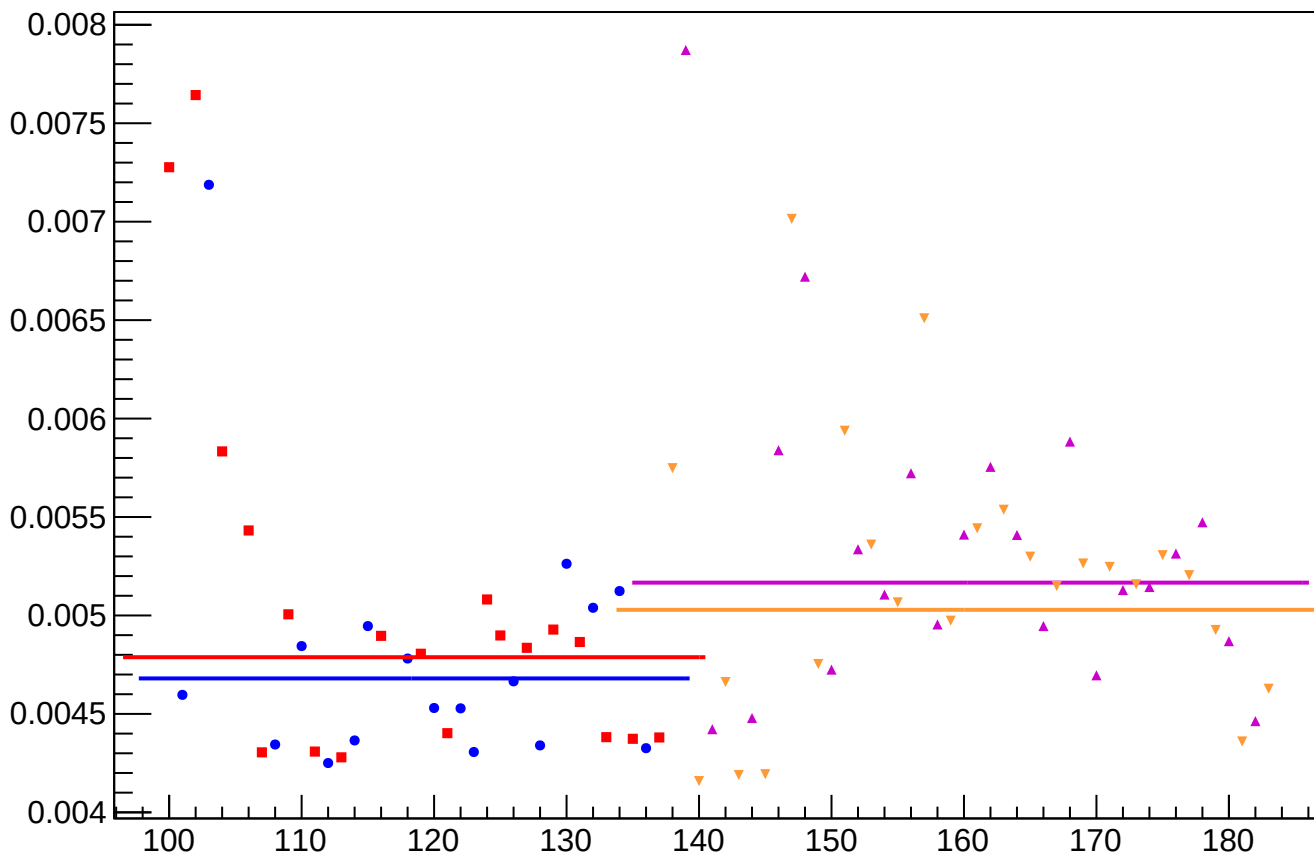
Right Out: -0.223 ± 0.000 χ^2/NDF : 167794506.7/18

All: -0.225 ± 0.000 χ^2/NDF : 278964713.6/81

Left In: -0.226 ± 0.000 χ^2/NDF : 13716121.8/21

- sign -0.225 ± 0.000 χ^2/NDF : 182503078.6/40

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180080.7/16

Left Out: 0.005+/-0.000 χ^2/NDF : 520950.5/23

Right Out: 0.005+/-0.000 χ^2/NDF : 248599.9/18

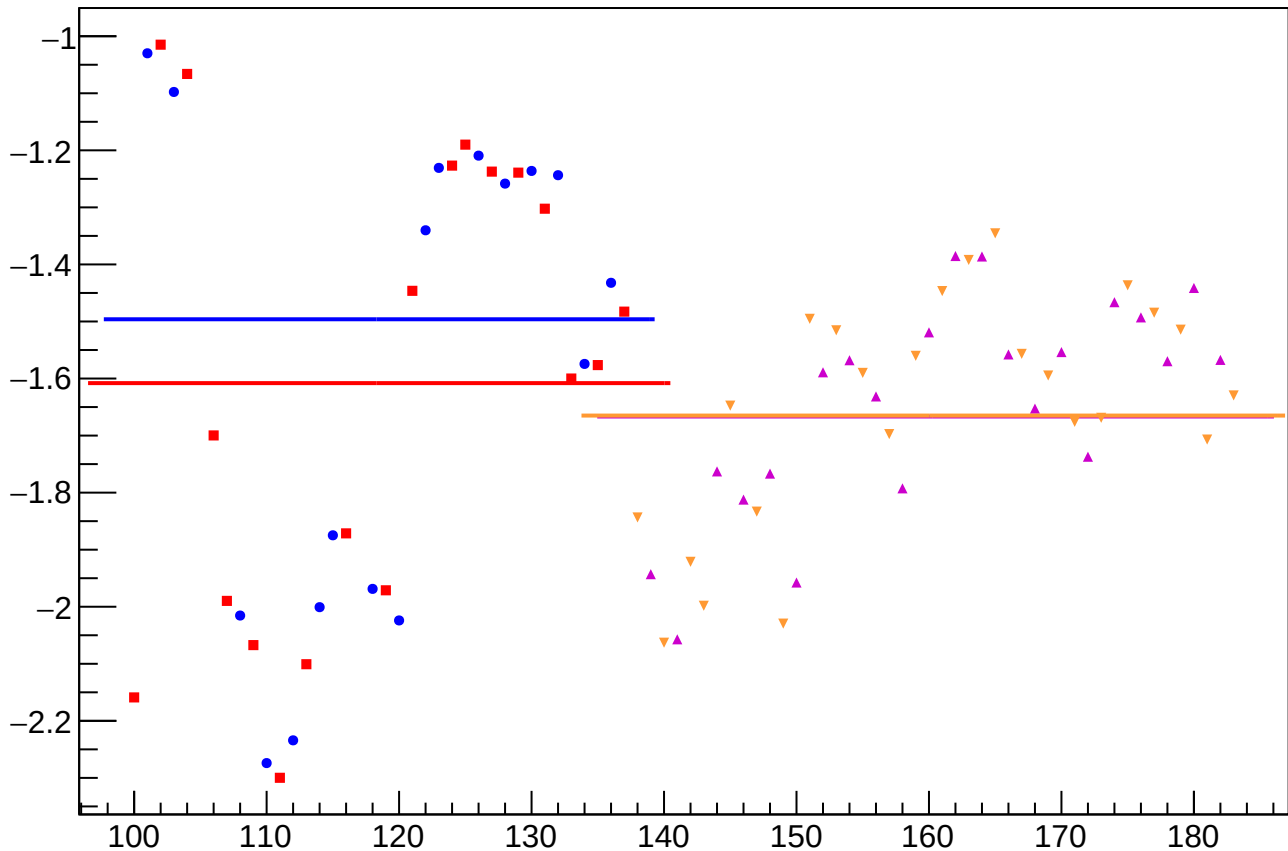
Left In: 0.005+/-0.000 χ^2/NDF : 487749.7/21

+ sign 0.005+/-0.000 χ^2/NDF : 748118.8/40

All: 0.005+/-0.000 χ^2/NDF : 1552047.9/81

- sign 0.005+/-0.000 χ^2/NDF : 790962.1/40

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22454192322.7/16

Left Out: -1.665+/-0.000 χ^2/NDF : 18342959779.1/23

Right Out: -1.608+/-0.000 χ^2/NDF : 27842216222.3/18

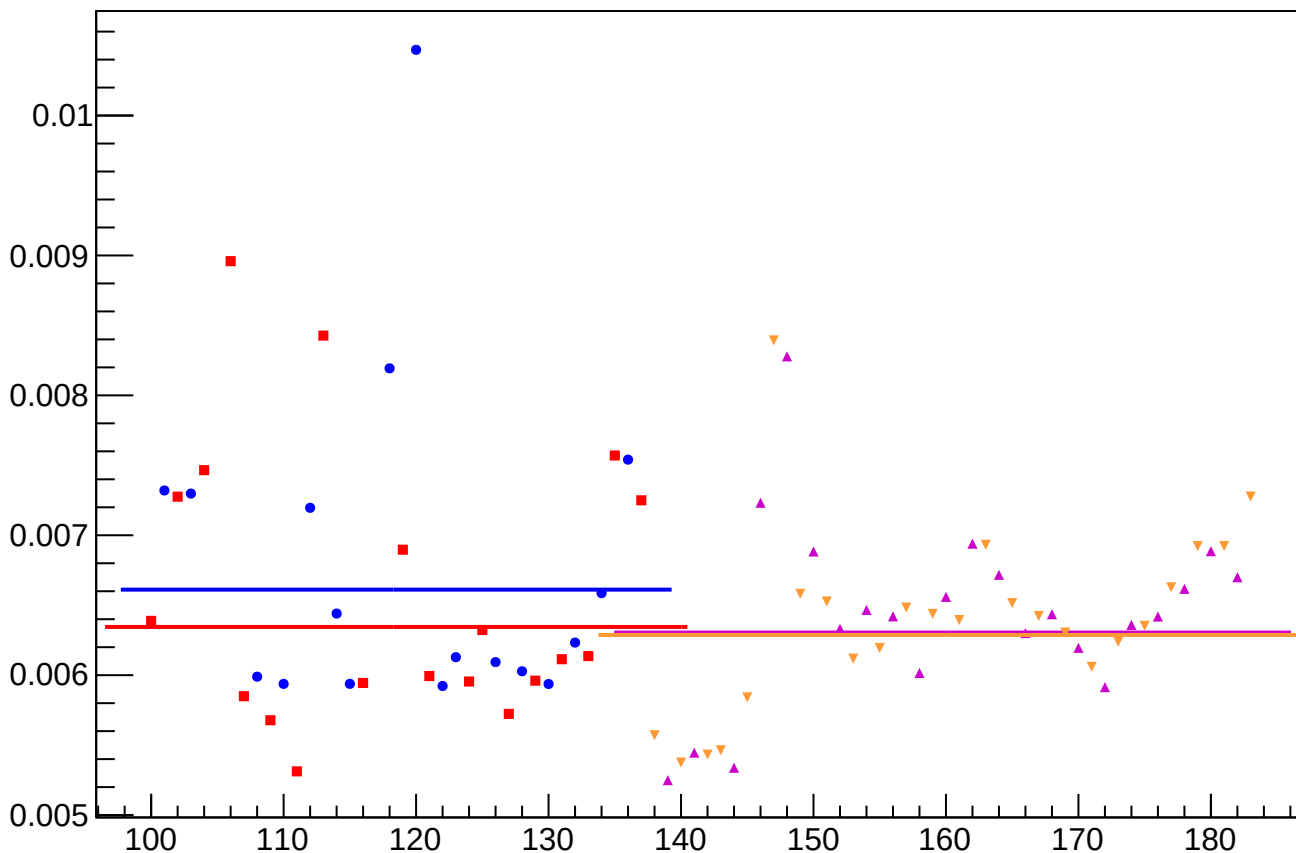
Left In: -1.667+/-0.000 χ^2/NDF : 14611625673.6/21

+ sign -1.624+/-0.000 χ^2/NDF : 43788259071.5/40

All: -1.637+/-0.000 χ^2/NDF : 86828107749.7/40

- sign -1.650+/-0.000 χ^2/NDF : 42853568670.8/40

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 199824.5/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:299611.2/23

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 228249.0/18

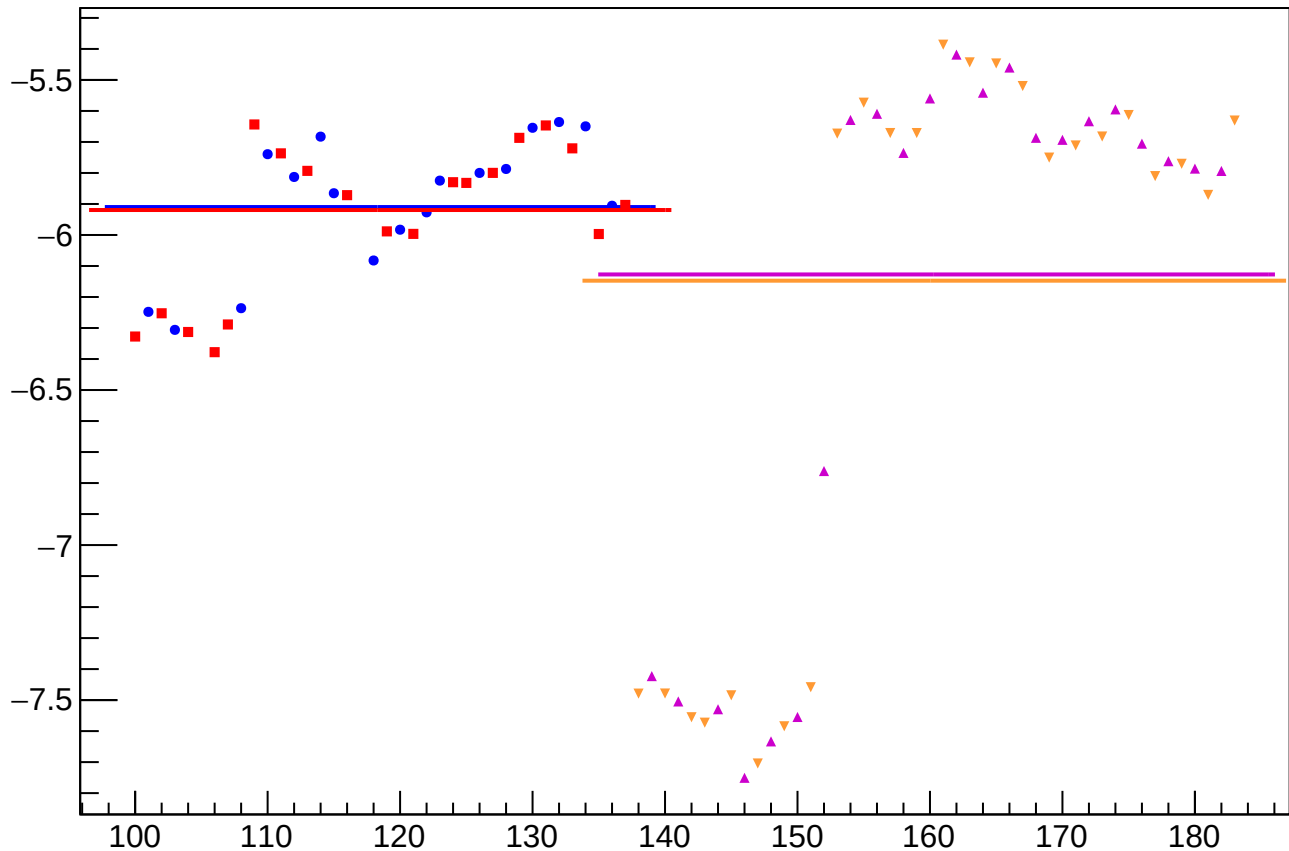
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:320522.9/21

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 521488.2/40

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1072016.2/81

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 549143.7/40

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11105112836.5/16

Left Out: -6.147+/-0.000 χ^2/NDF : 185179538613.6/23

Right Out: -5.919+/-0.000 χ^2/NDF : 12816906660.3/18

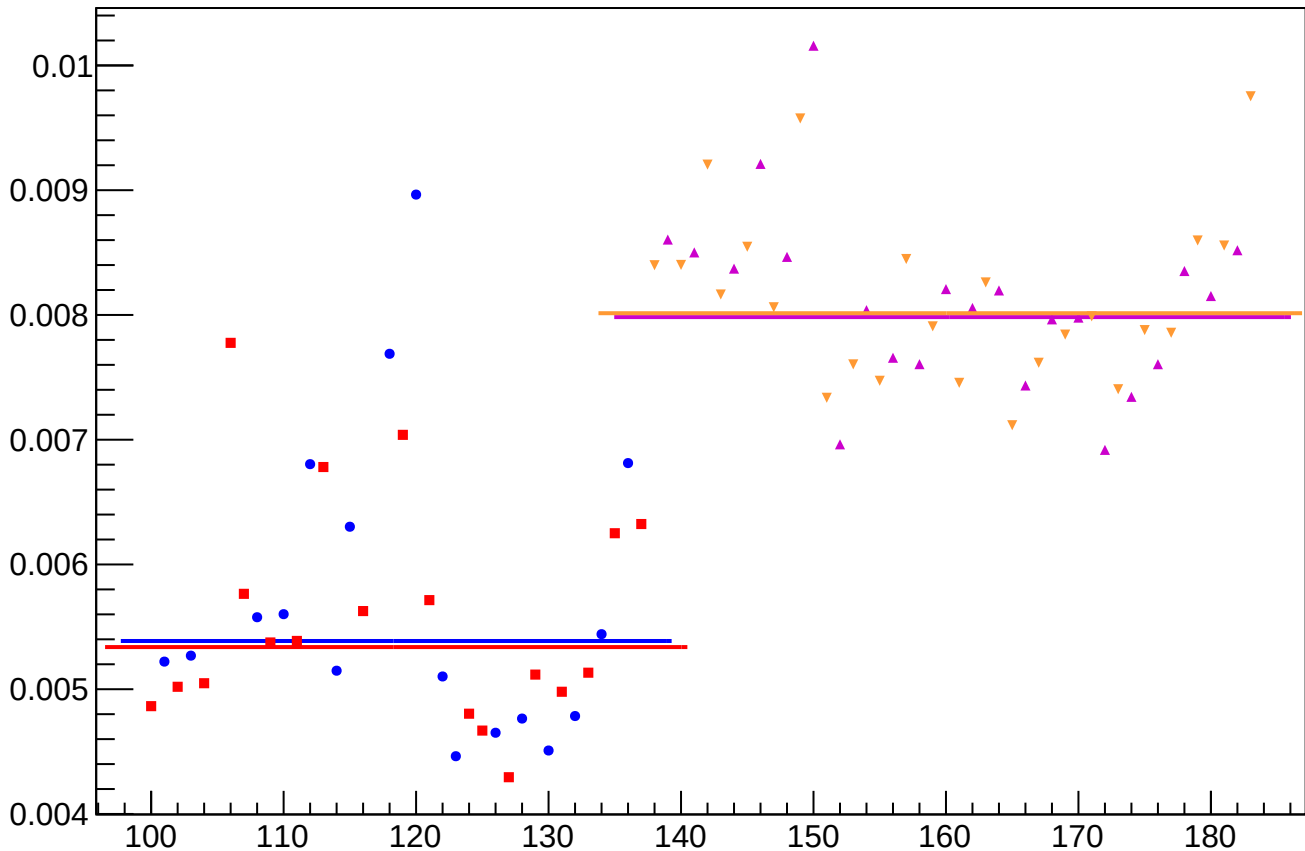
Left In: -6.127+/-0.000 χ^2/NDF : 159281479128.3/21

+ sign -6.043+/-0.000 χ^2/NDF : 202635297123.5/40

All: -6.036+/-0.000 χ^2/NDF : 379829516336.0

- sign -6.028+/-0.000 χ^2/NDF : 177147021527.1/40

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 346475.5/16

Left Out: 0.008+/-0.000 χ^2/NDF :178287.5/23

Right Out: 0.005+/-0.000 χ^2/NDF : 246912.5/18

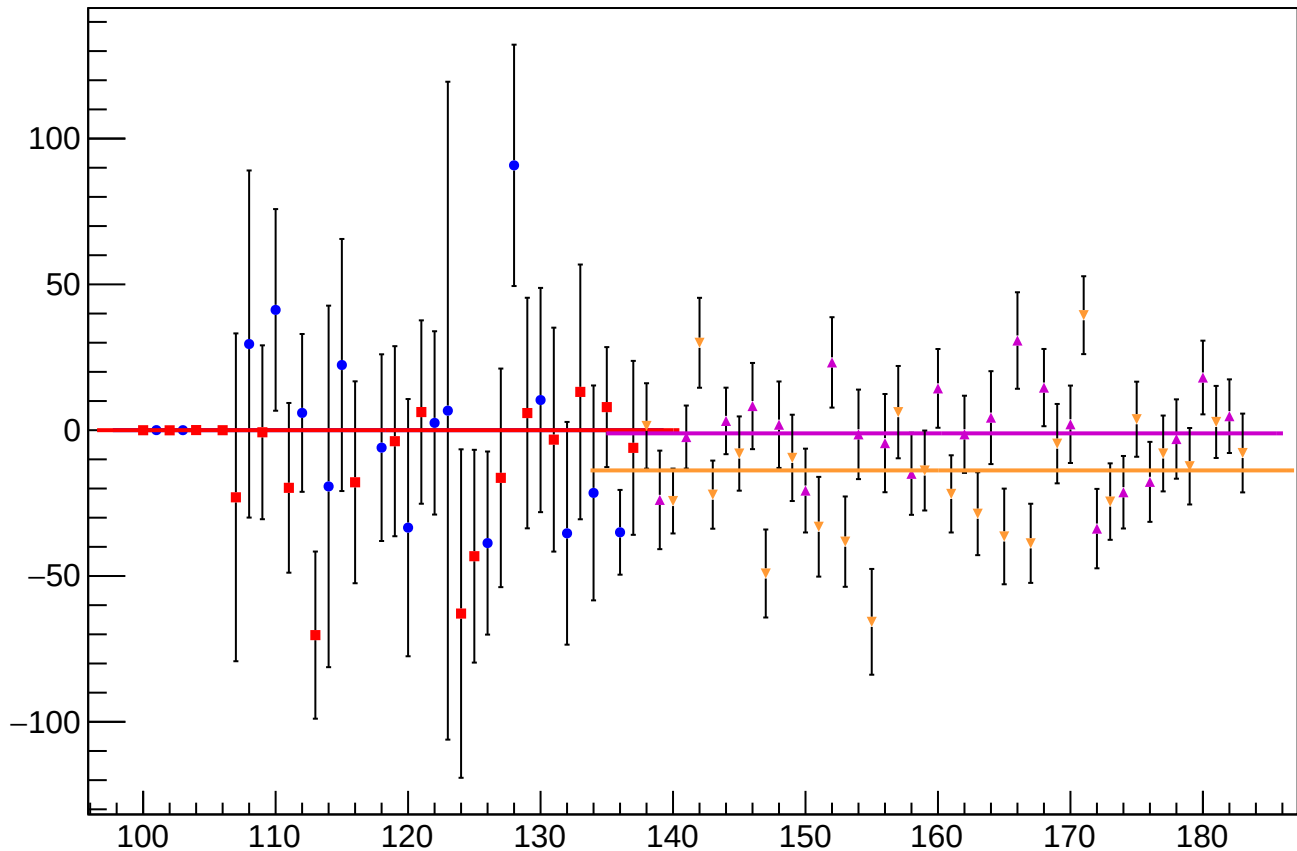
Left In: 0.008+/-0.000 χ^2/NDF :213083.1/21

+ sign 0.007+/-0.000 χ^2/NDF : 2079563.4/40

All: 0.007+/-0.000 χ^2/NDF : 4183888.3/81

- sign 0.007+/-0.000 χ^2/NDF : 2096361.0/40

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 16.3/16

Left Out: -13.791 ± 2.820 χ^2/NDF : 57.7/23

Right Out: 0.003 ± 0.016 χ^2/NDF : 14.9/18

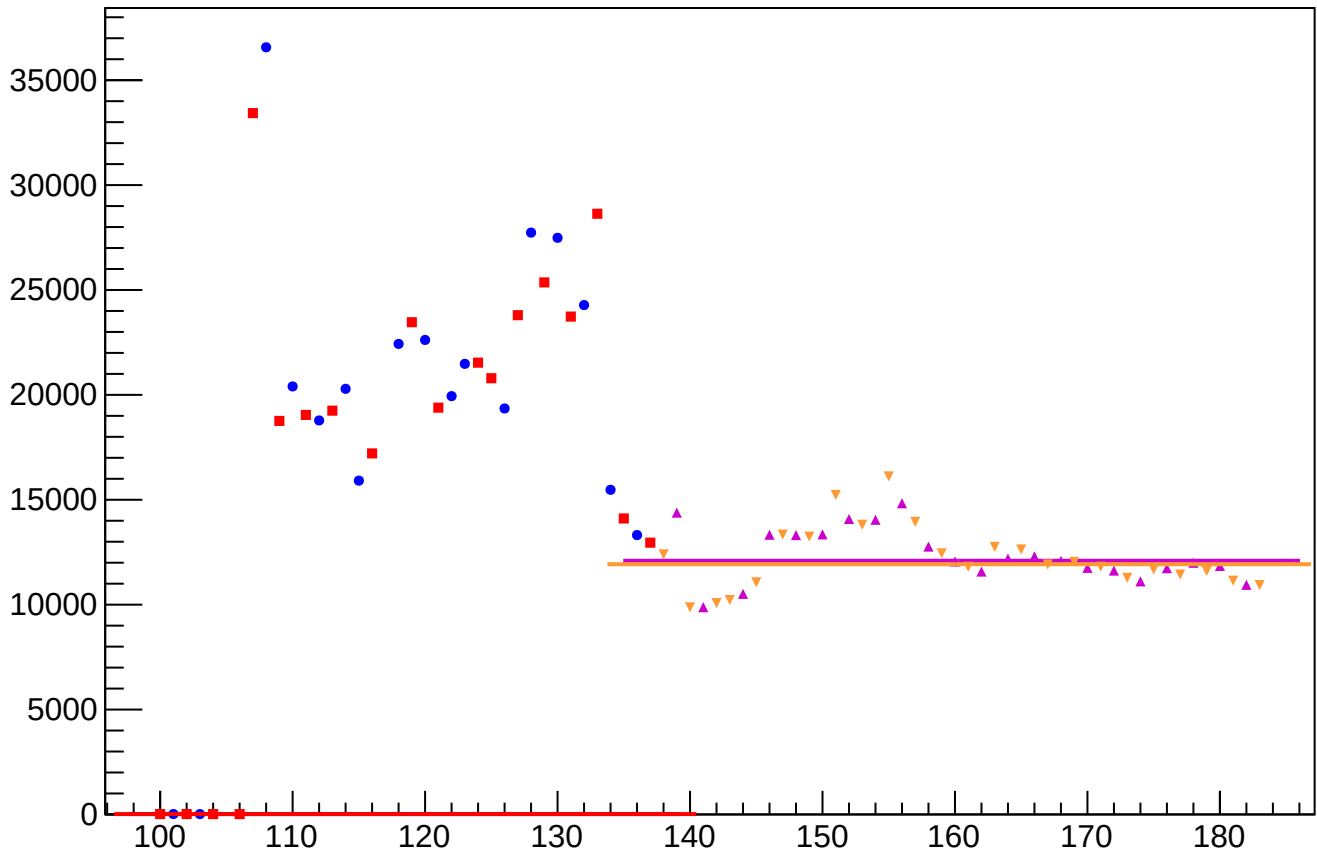
Left In: -1.084 ± 2.936 χ^2/NDF : 26.7/21

+ sign 0.013 ± 0.017 χ^2/NDF : 98.0/40

All: 0.008 ± 0.012 χ^2/NDF : 139.9/81

- sign 0.003 ± 0.016 χ^2/NDF : 41.8/40

diff_cav4bX_rms vs Slug



Right In: 18.640+/-0.012 χ^2/NDF : 10799270.4/16

Left Out: 11928.439+/-1.994 χ^2/NDF : 470052.0/23

Right Out: 18.311+/-0.011 χ^2/NDF : 11056055.0/18

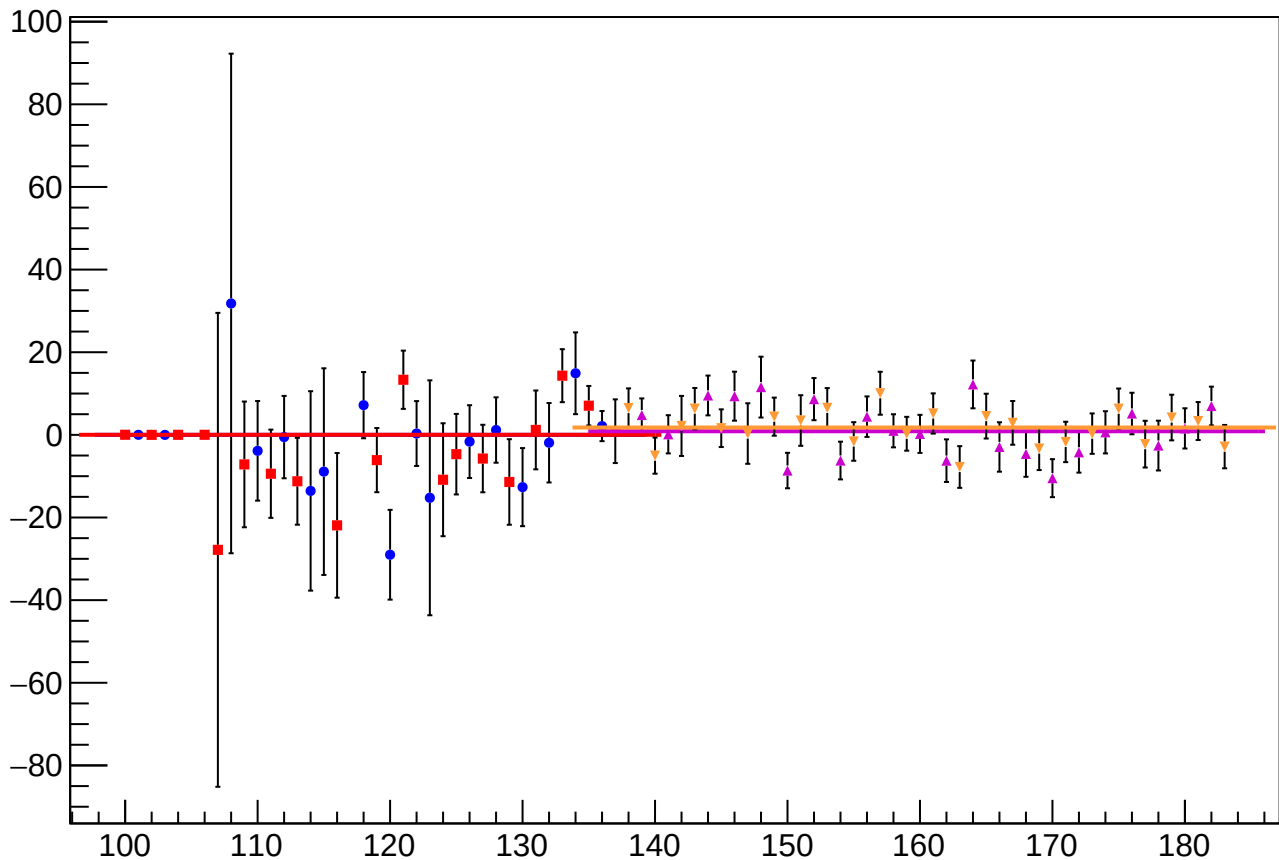
Left In: 12093.169+/-2.076 χ^2/NDF : 363380.0/21

+ sign 19.090+/-0.012 χ^2/NDF : 46946910.6/40

All: 18.866+/-0.008 χ^2/NDF : 92187413.7/81

- sign 18.673+/-0.011 χ^2/NDF : 45239878.8/40

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.6/16

Left Out: 1.780 $\pm$ 1.030 χ^2 /NDF:17.3/23

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.6/18

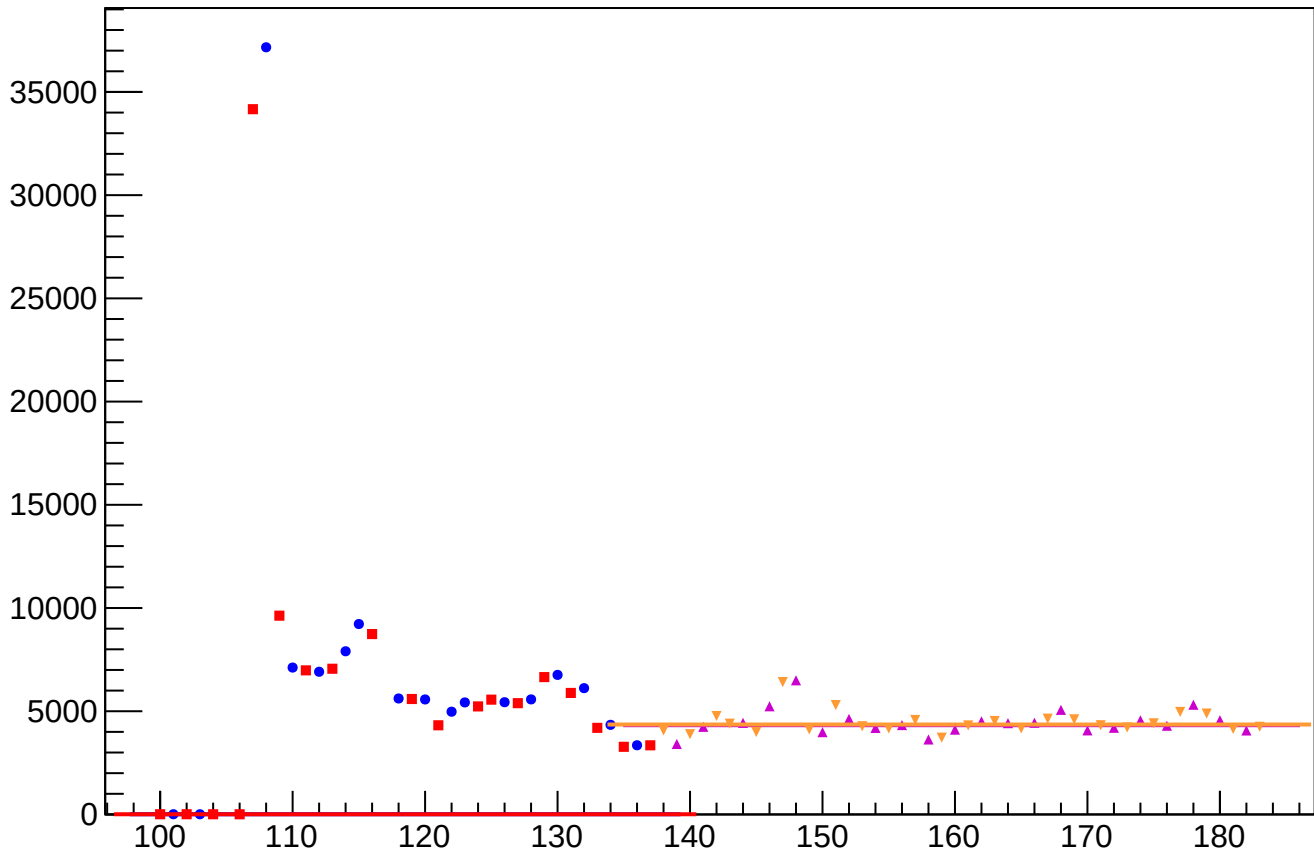
Left In: 0.870 $\pm$ 1.054 χ^2 /NDF:35.6/21

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 34.9/40

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 90.9/81

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 54.9/40

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10926318.4/16

Left Out: 4357.075+/-0.728 χ^2/NDF : 379858.1/23

Right Out: 9.854+/-0.006 χ^2/NDF : 11106435.3/18

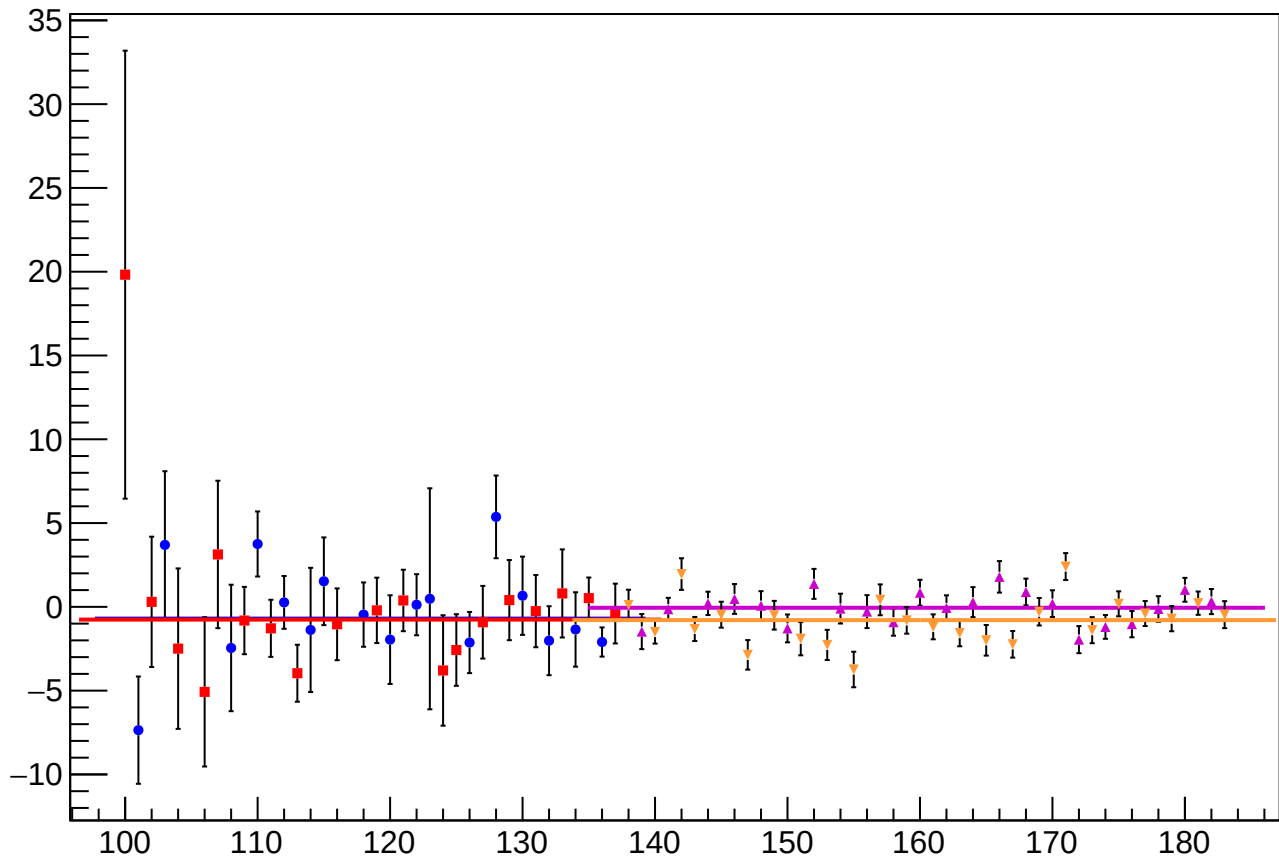
Left In: 4323.643+/-0.745 χ^2/NDF : 527394.3/21

+ sign 10.285+/-0.007 χ^2/NDF : 46961852.1/40

All: 10.210+/-0.004 χ^2/NDF : 92098364.6/81

- sign 10.144+/-0.006 χ^2/NDF : 45136265.3/40

diff_cav4cX_mean vs Slug



Right In: -0.702 ± 0.485 χ^2/NDF : 22.5/16

Left Out: -0.792 ± 0.166 χ^2/NDF : 57.7/23

Right Out: -0.760 ± 0.502 χ^2/NDF : 11.8/18

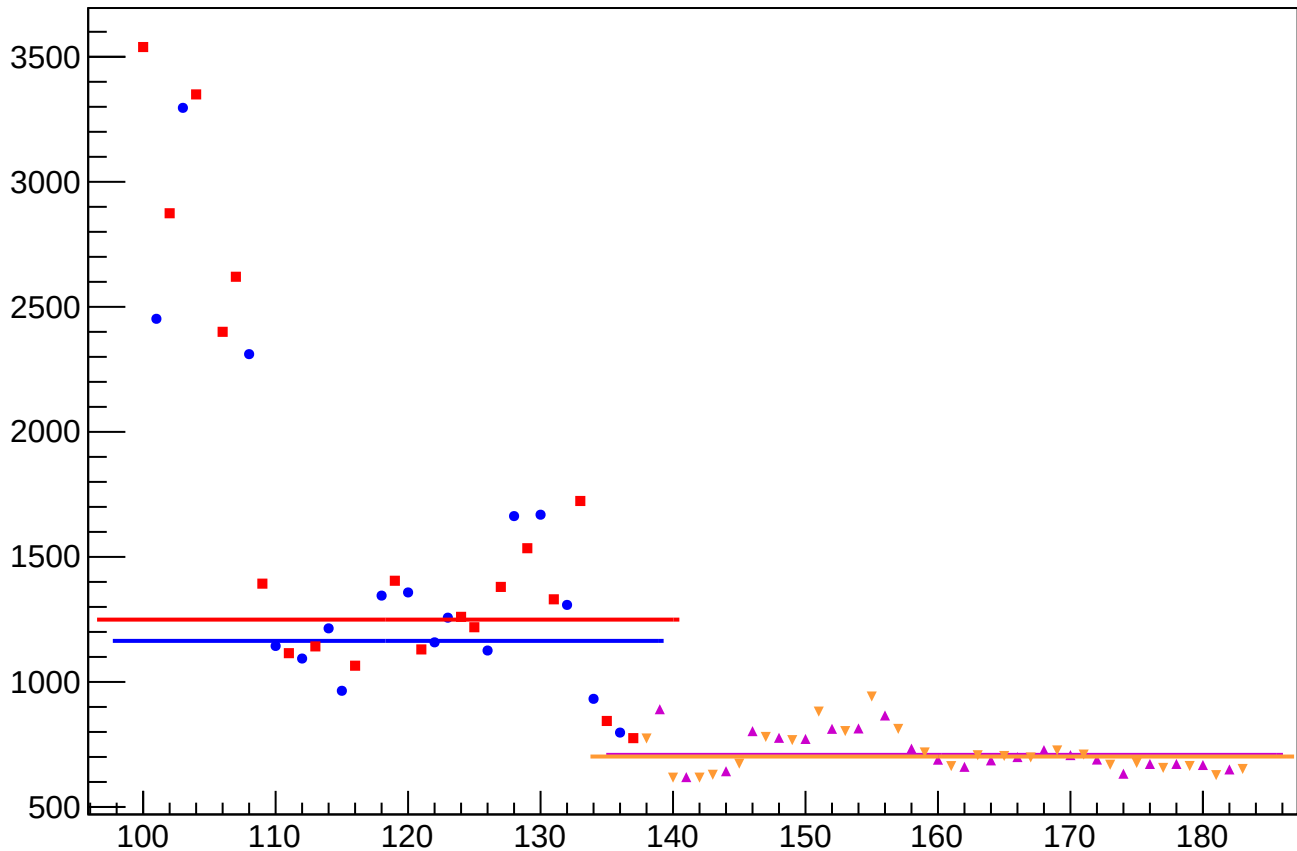
Left In: -0.054 ± 0.172 χ^2/NDF : 27.3/21

+ sign -0.783 ± 0.157 χ^2/NDF : 80.2/40

All: -0.467 ± 0.113 χ^2/NDF : 129.5/81

- sign -0.128 ± 0.163 χ^2/NDF : 40.9/40

diff_cav4cX_rms vs Slug



Right In: 1164.211 $\pm$ 0.343 χ^2 /NDF: 1586062.6/16

Left Out: 701.698 $\pm$ 0.117 χ^2 /NDF: 388821.1/23

Right Out: 1249.273 $\pm$ 0.355 χ^2 /NDF: 1649434.8/18

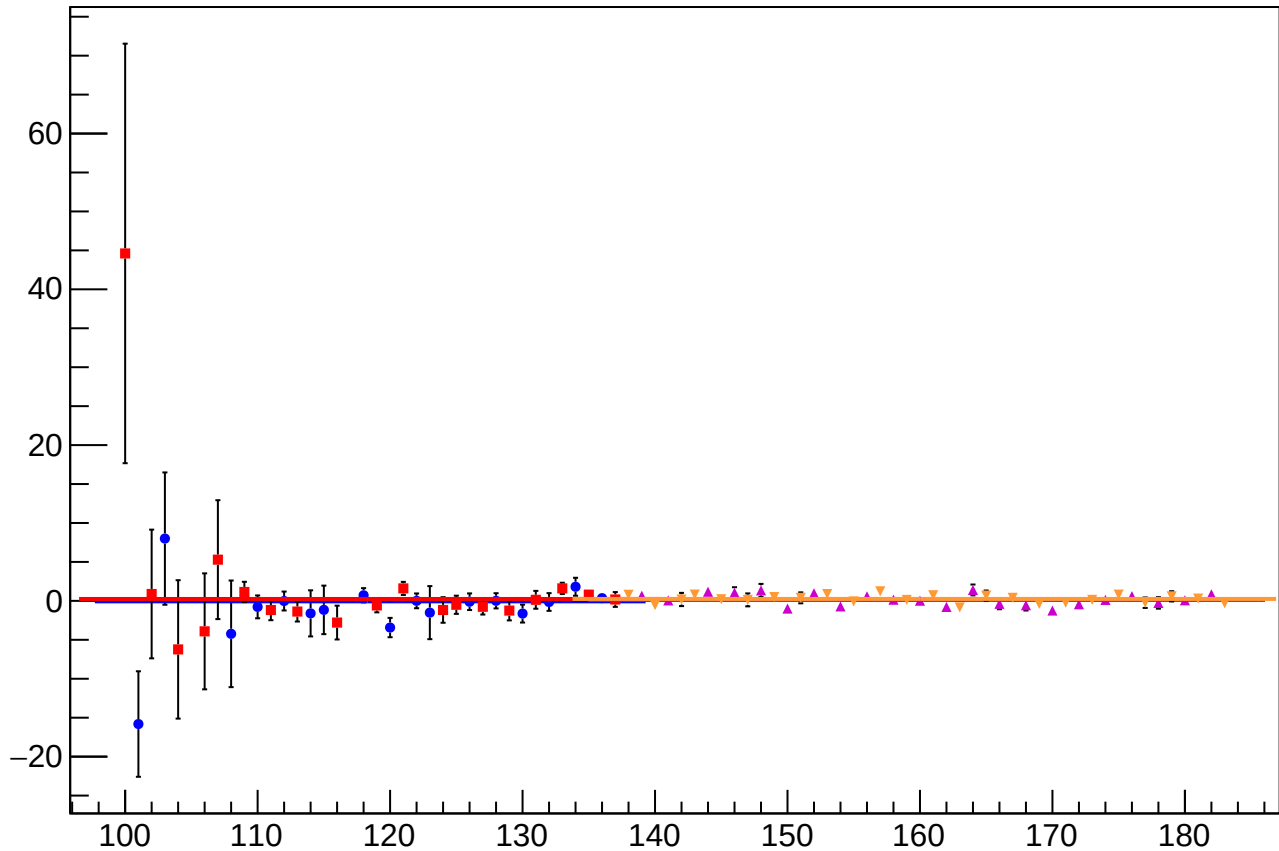
Left In: 708.374 $\pm$ 0.122 χ^2 /NDF: 331401.8/21

+ sign 750.005 $\pm$ 0.111 χ^2 /NDF: 3603665.4/40

All: 757.279 $\pm$ 0.080 χ^2 /NDF: 7671077.1/81

- sign 765.108 $\pm$ 0.115 χ^2 /NDF: 4058468.1/40

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.271 χ^2/NDF : 20.9/16

Left Out: 0.250 ± 0.123 χ^2/NDF : 16.8/23

Right Out: 0.245 ± 0.265 χ^2/NDF : 20.7/18

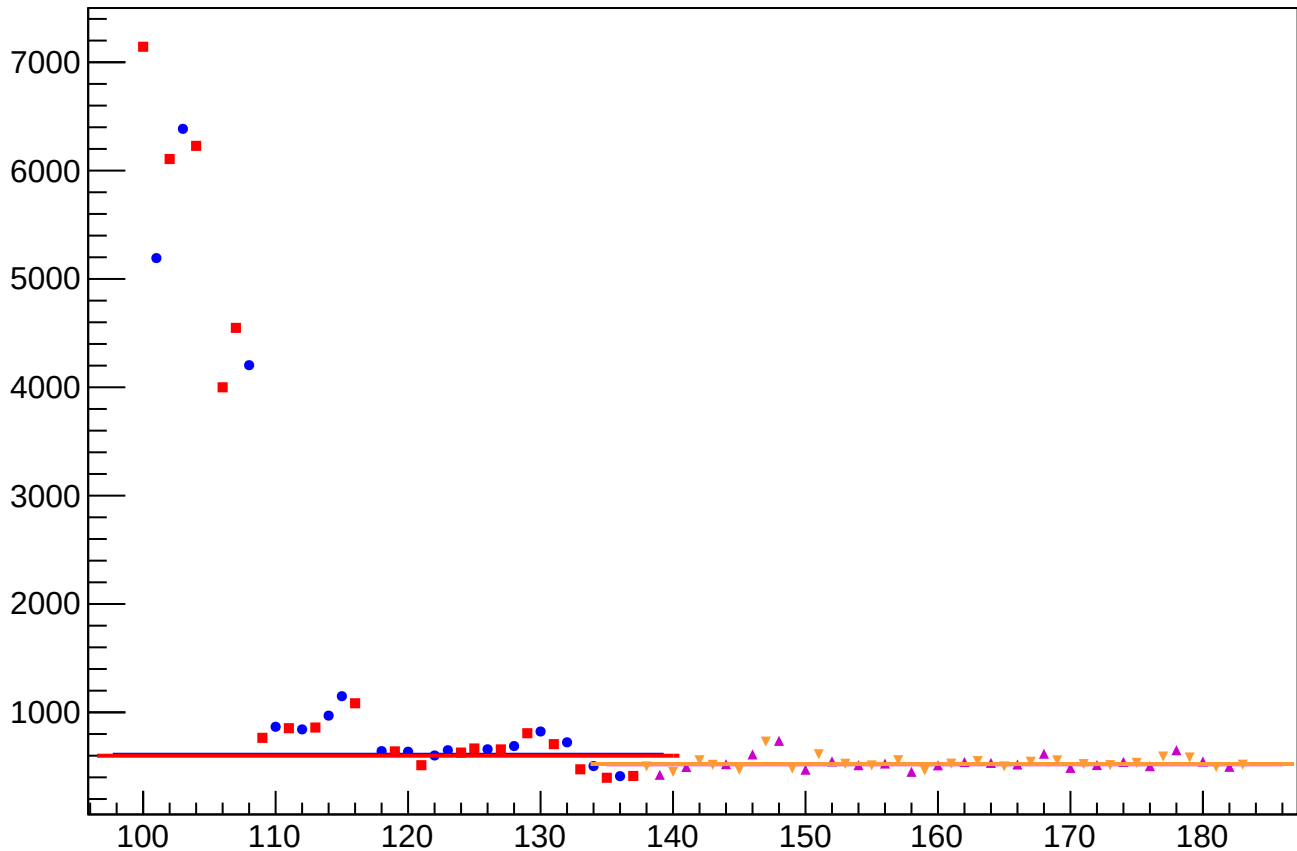
Left In: 0.120 ± 0.127 χ^2/NDF : 34.9/21

+ sign 0.196 ± 0.112 χ^2/NDF : 38.8/40

All: 0.170 ± 0.080 χ^2/NDF : 94.7/81

- sign 0.144 ± 0.114 χ^2/NDF : 55.8/40

diff_cav4cY_rms vs Slug



Right In: 608.589 $\pm$ 0.191 χ^2 /NDF: 3137480.1/16

Left Out: 523.122 $\pm$ 0.087 χ^2 /NDF:327531.6/23

Right Out: 599.715 $\pm$ 0.187 χ^2 /NDF: 3547458.7/18

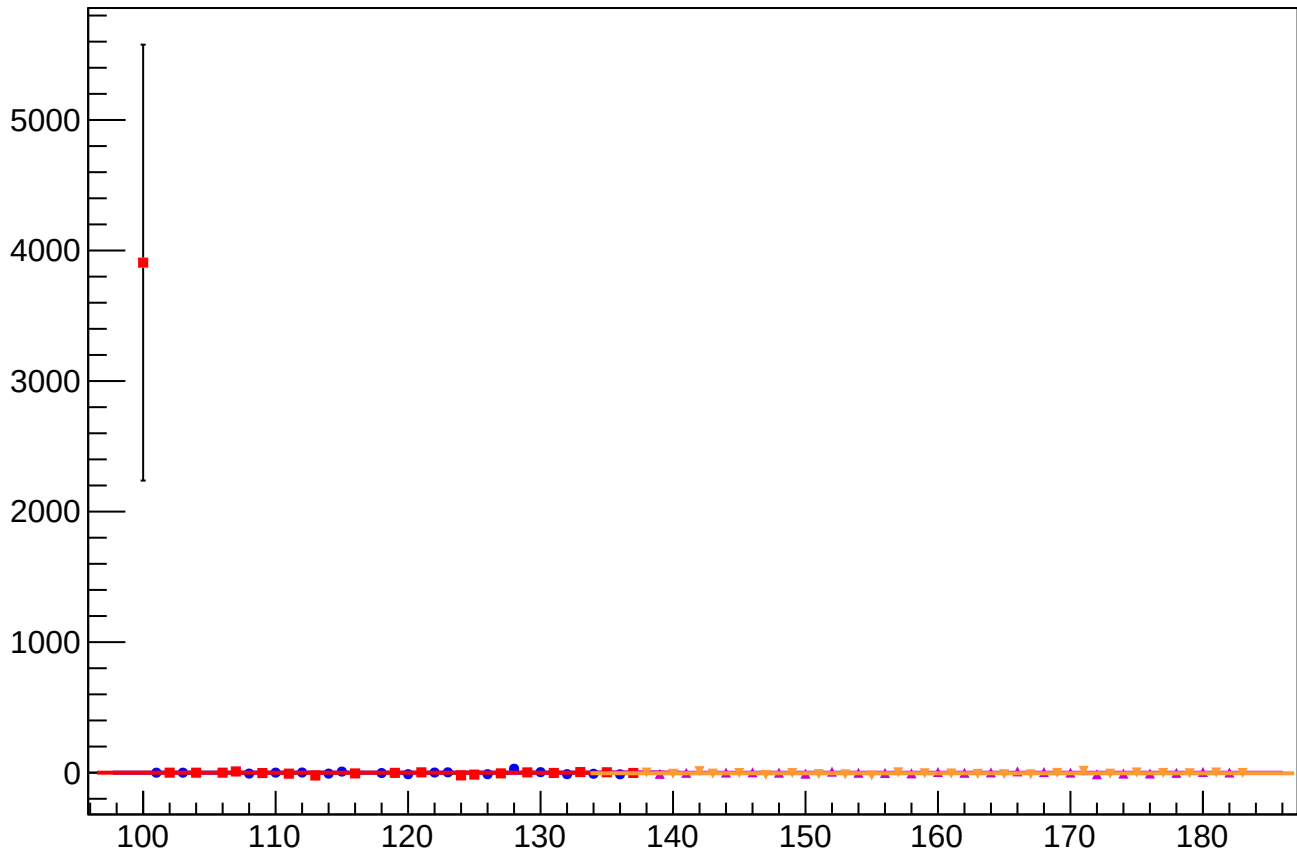
Left In: 520.946 $\pm$ 0.090 χ^2 /NDF:438165.4/21

+ sign 537.855 $\pm$ 0.079 χ^2 /NDF: 3630175.0/40

All: 536.764 $\pm$ 0.057 χ^2 /NDF: 7760104.6/81

- sign 535.633 $\pm$ 0.081 χ^2 /NDF: 4129545.4/40

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/16

Left Out: -4.585 ± 0.964 χ^2/NDF : 57.4/23

Right Out: -0.027 ± 0.020 χ^2/NDF : 16.8/18

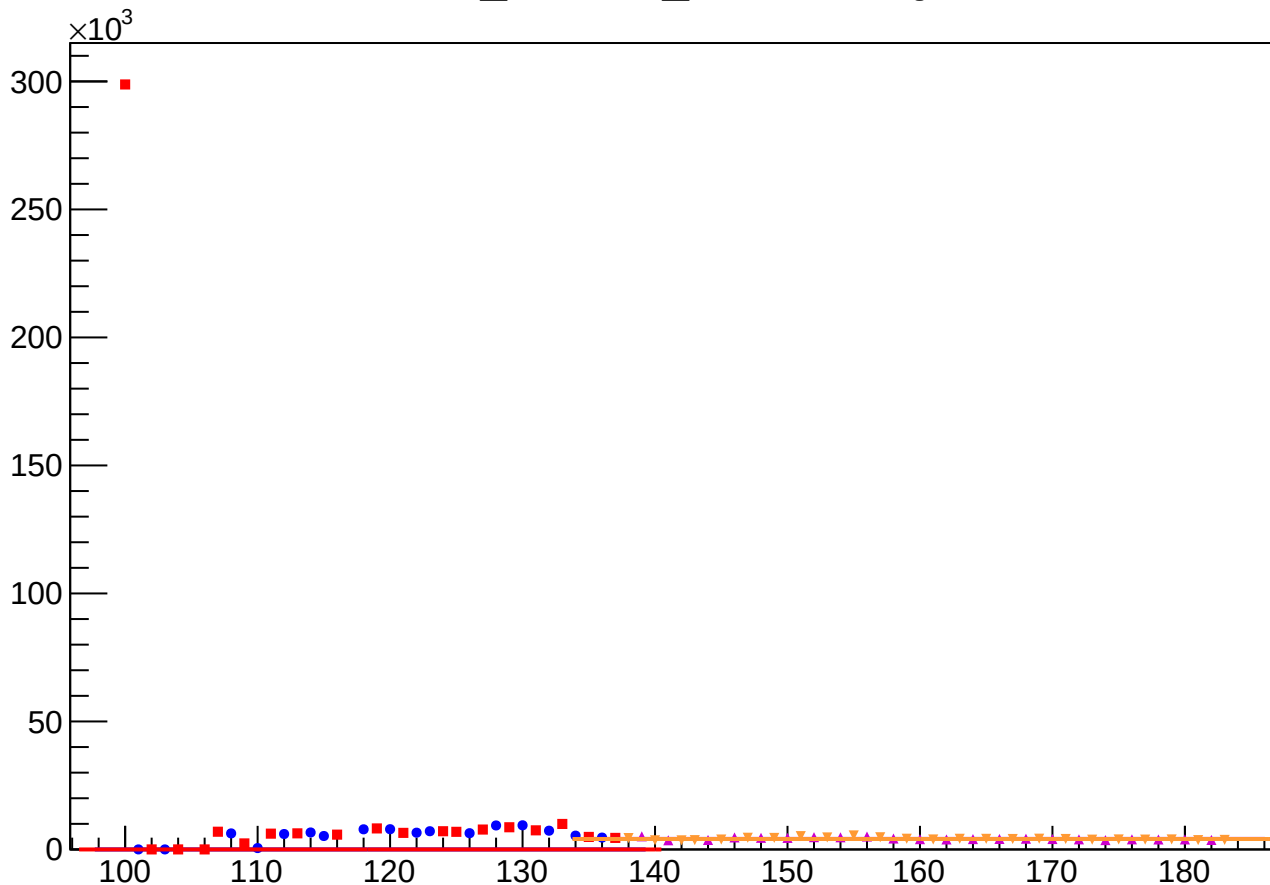
Left In: -0.395 ± 1.001 χ^2/NDF : 27.3/21

+ sign -0.024 ± 0.021 χ^2/NDF : 95.5/40

All: -0.025 ± 0.014 χ^2/NDF : 139.7/81

- sign -0.027 ± 0.020 χ^2/NDF : 44.2/40

diff_cav4dX_rms vs Slug



Right In: 17.335 $\pm$ 0.015 χ^2 /NDF: 10315348.6/16

Left Out: 4080.625 $\pm$ 0.681 χ^2 /NDF: 411631.5/23

Right Out: 17.267 $\pm$ 0.014 χ^2 /NDF: 10766587.2/18

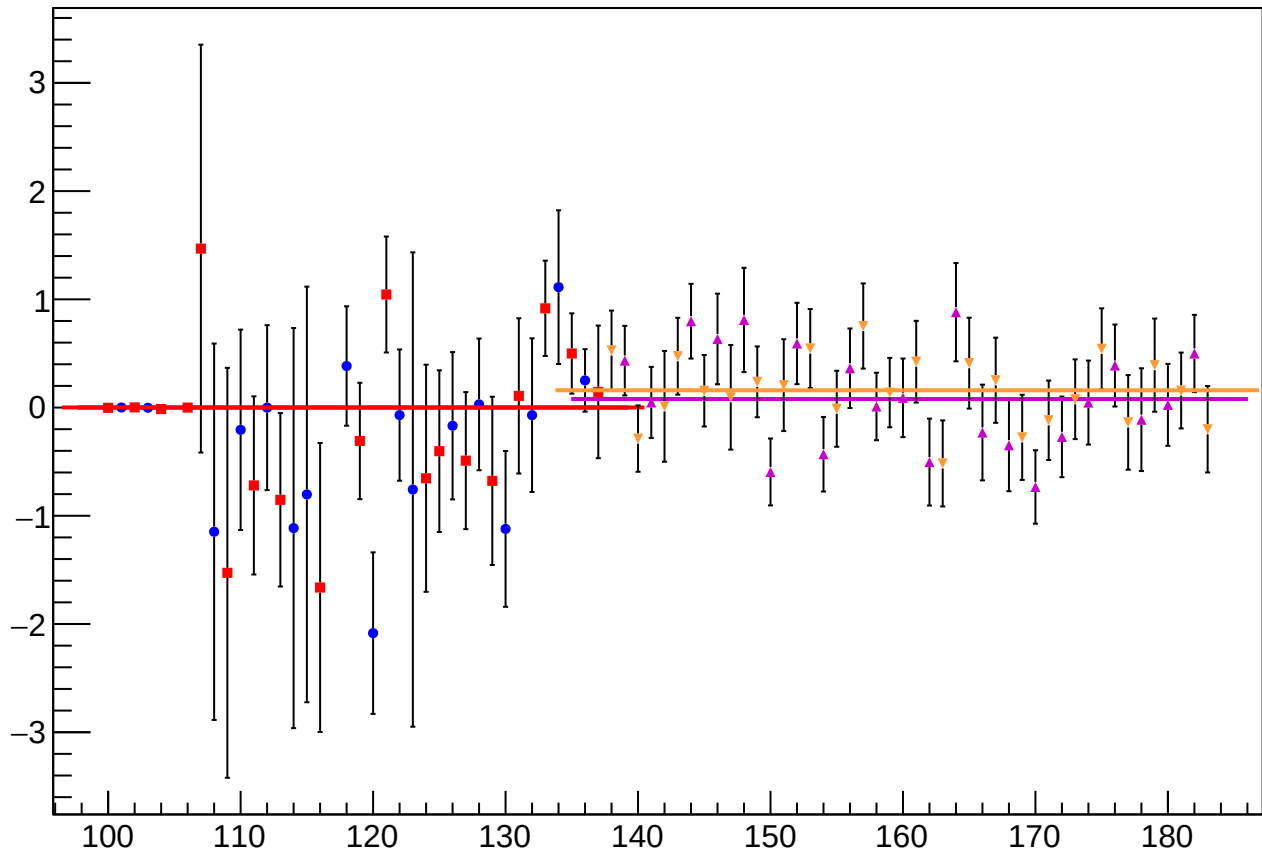
Left In: 4123.677 $\pm$ 0.708 χ^2 /NDF: 345579.5/21

+ sign 19.227 $\pm$ 0.015 χ^2 /NDF: 46276228.1/40

All: 19.040 $\pm$ 0.010 χ^2 /NDF: 91050204.7/81

- sign 18.870 $\pm$ 0.014 χ^2 /NDF: 44773667.1/40

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 15.3/16

Left Out: 0.160 ± 0.077 χ^2/NDF : 16.0/23

Right Out: 0.001 ± 0.002 χ^2/NDF : 18.1/18

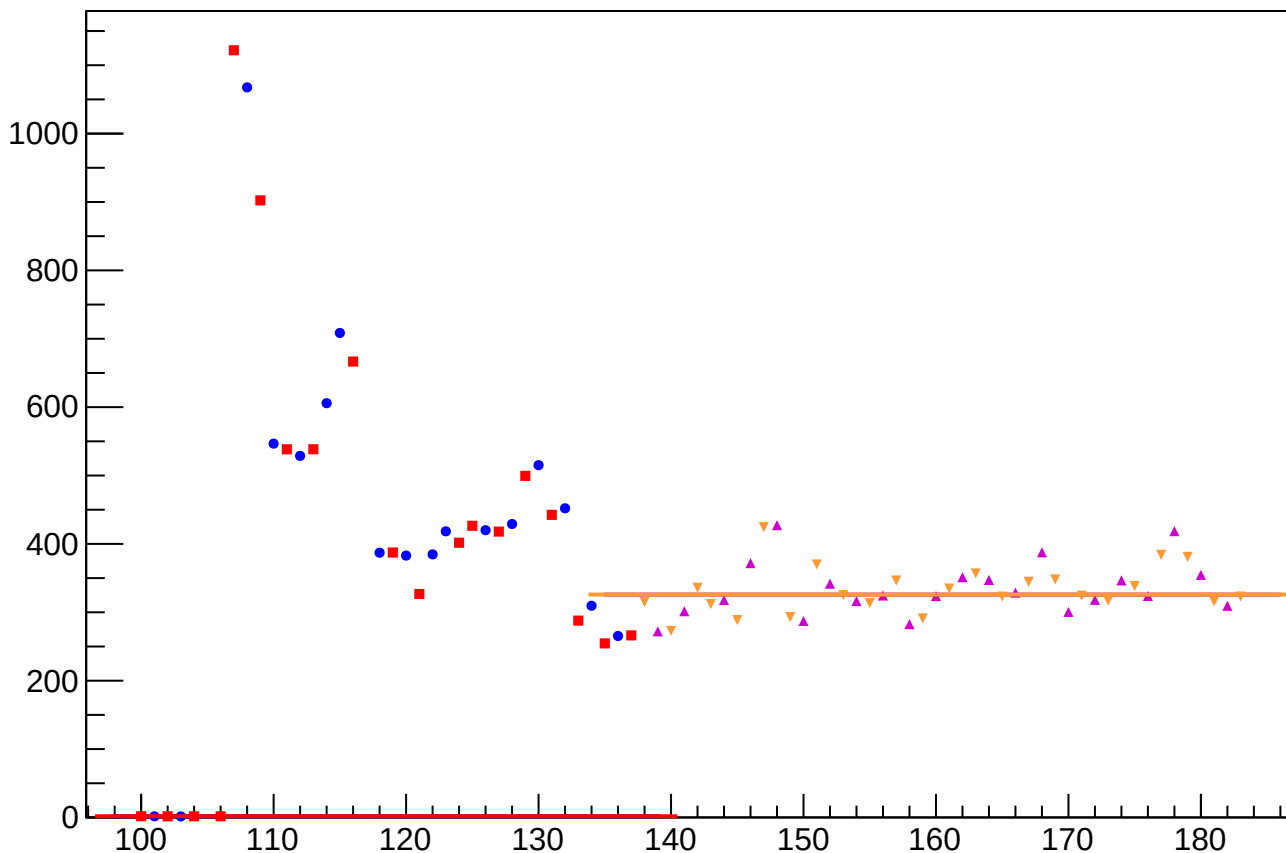
Left In: 0.079 ± 0.079 χ^2/NDF : 34.7/21

+ sign 0.000 ± 0.002 χ^2/NDF : 35.6/40

All: 0.001 ± 0.001 χ^2/NDF : 89.3/81

- sign 0.001 ± 0.002 χ^2/NDF : 53.7/40

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10864983.9/16

Left Out: 325.955 $\pm$ 0.054 χ^2 /NDF: 345194.2/23

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10690594.4/18

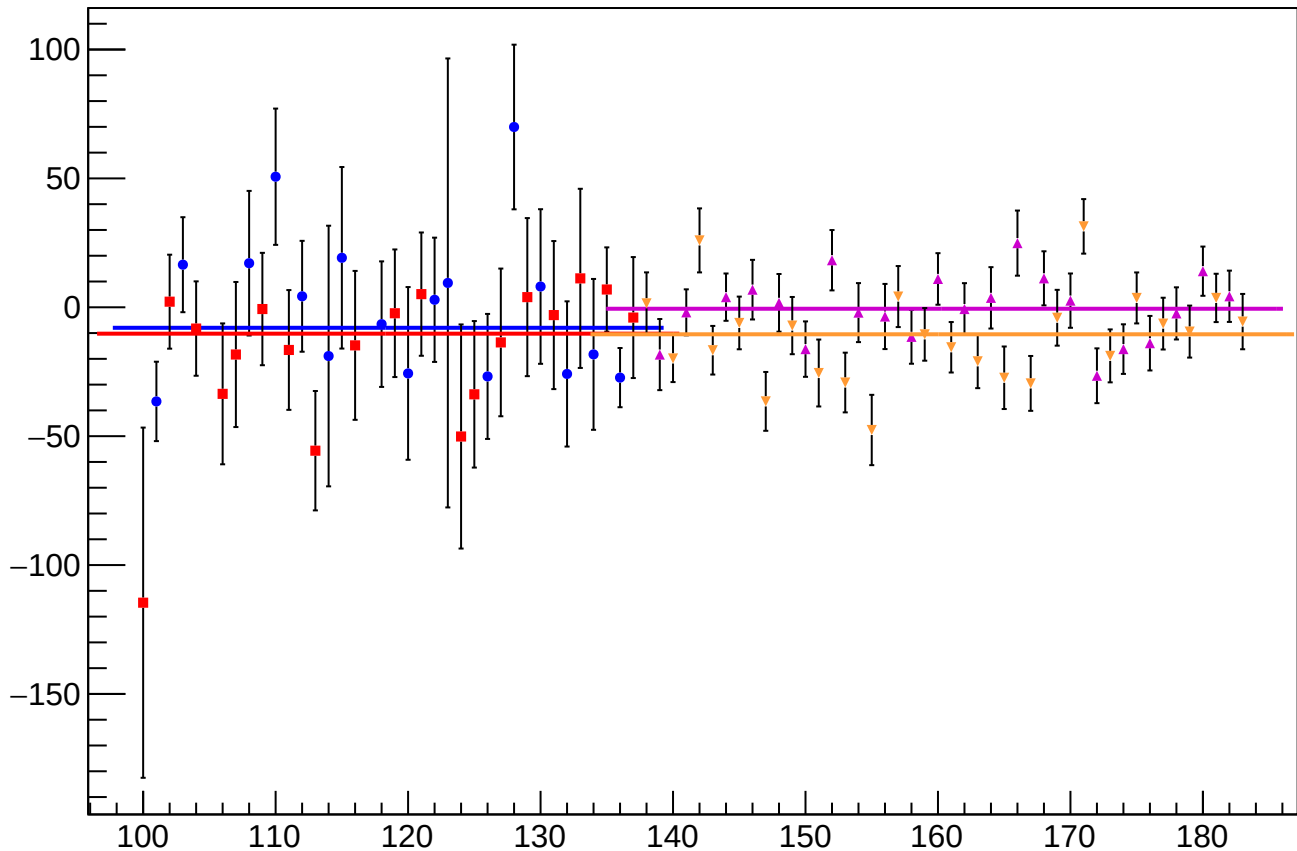
Left In: 325.900 $\pm$ 0.056 χ^2 /NDF: 420532.6/21

+ sign 1.923 $\pm$ 0.001 χ^2 /NDF: 46688417.5/40

All: 1.922 $\pm$ 0.001 χ^2 /NDF: 91214432.0/81

- sign 1.922 $\pm$ 0.001 χ^2 /NDF: 44526014.4/40

diff_bpm4aX_mean vs Slug



Right In: -7.952 ± 5.639 χ^2/NDF : 22.6/16

Left Out: -10.473 ± 2.184 χ^2/NDF : 57.2/23

Right Out: -10.233 ± 5.692 χ^2/NDF : 11.7/18

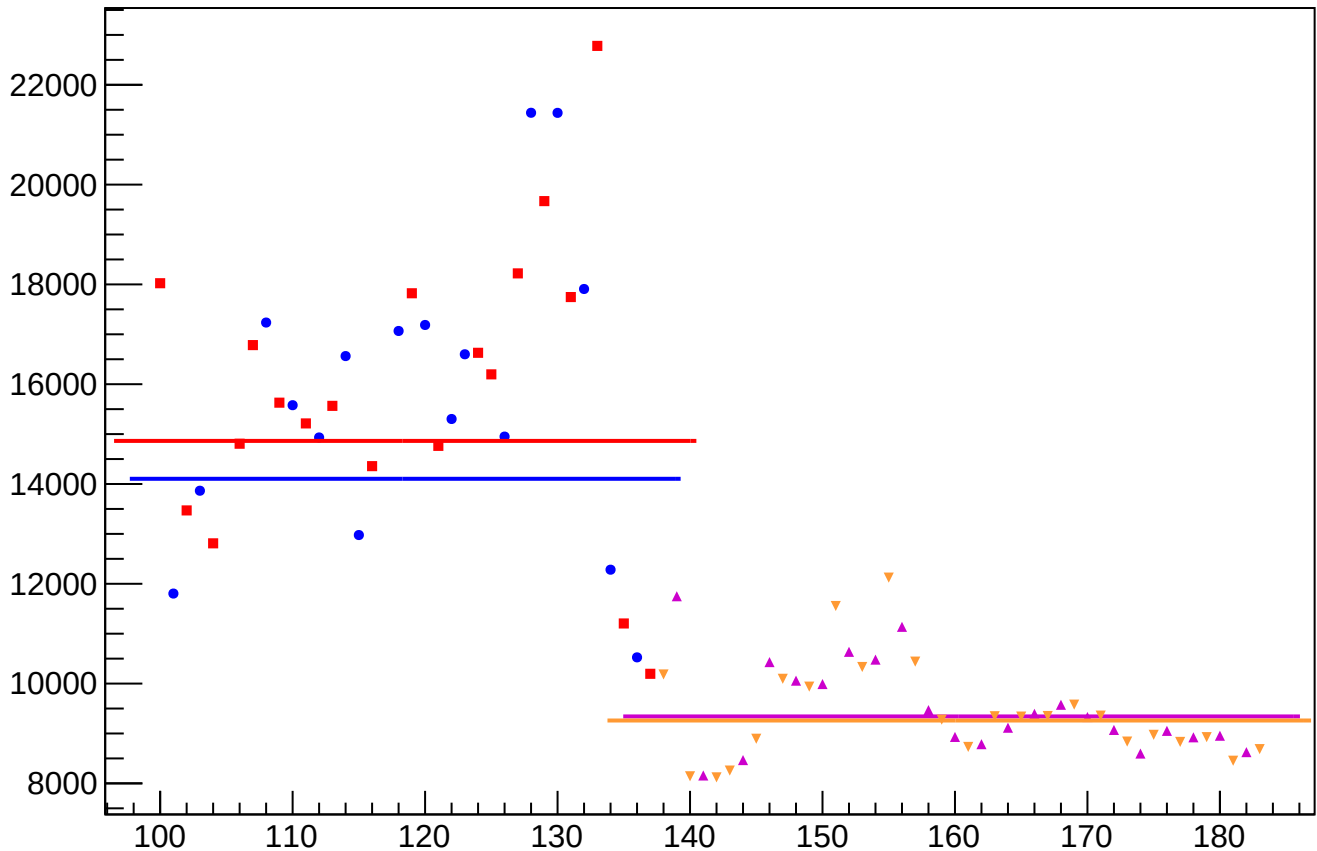
Left In: -0.566 ± 2.265 χ^2/NDF : 28.0/21

+ sign -10.144 ± 2.037 χ^2/NDF : 80.0/40

All: -6.151 ± 1.463 χ^2/NDF : 130.1/81

- sign -1.887 ± 2.104 χ^2/NDF : 42.1/40

diff_bpm4aX_rms vs Slug



Right In: 14104.125+/-3.987 χ^2/NDF : 604857.2/16

Left Out: 9260.034+/-1.544 χ^2/NDF : 328970.2/23

Right Out: 14863.530+/-4.025 χ^2/NDF : 472106.0/18

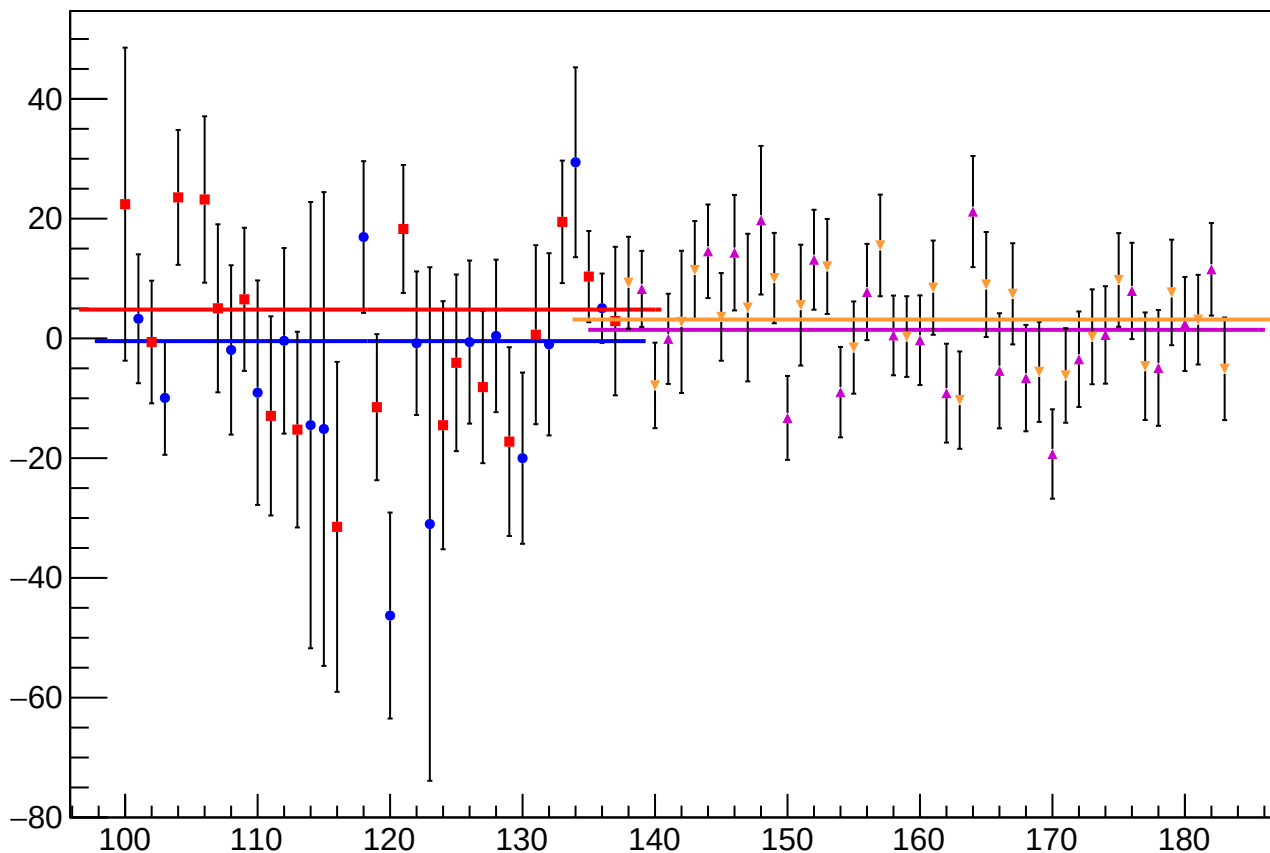
Left In: 9341.641+/-1.601 χ^2/NDF : 275552.6/21

+ sign 9891.902+/-1.440 χ^2/NDF : 2217332.0/40

All: 9990.736+/-1.035 χ^2/NDF : 4599538.0/83

- sign 10096.263+/-1.488 χ^2/NDF : 2372465.9/40

diff_bpm4aY_mean vs Slug



Right In: -0.456 ± 3.089 χ^2/NDF : 17.4/16

Left Out: 3.156 ± 1.672 χ^2/NDF : 18.1/23

Right Out: 4.814 ± 2.946 χ^2/NDF : 19.9/18

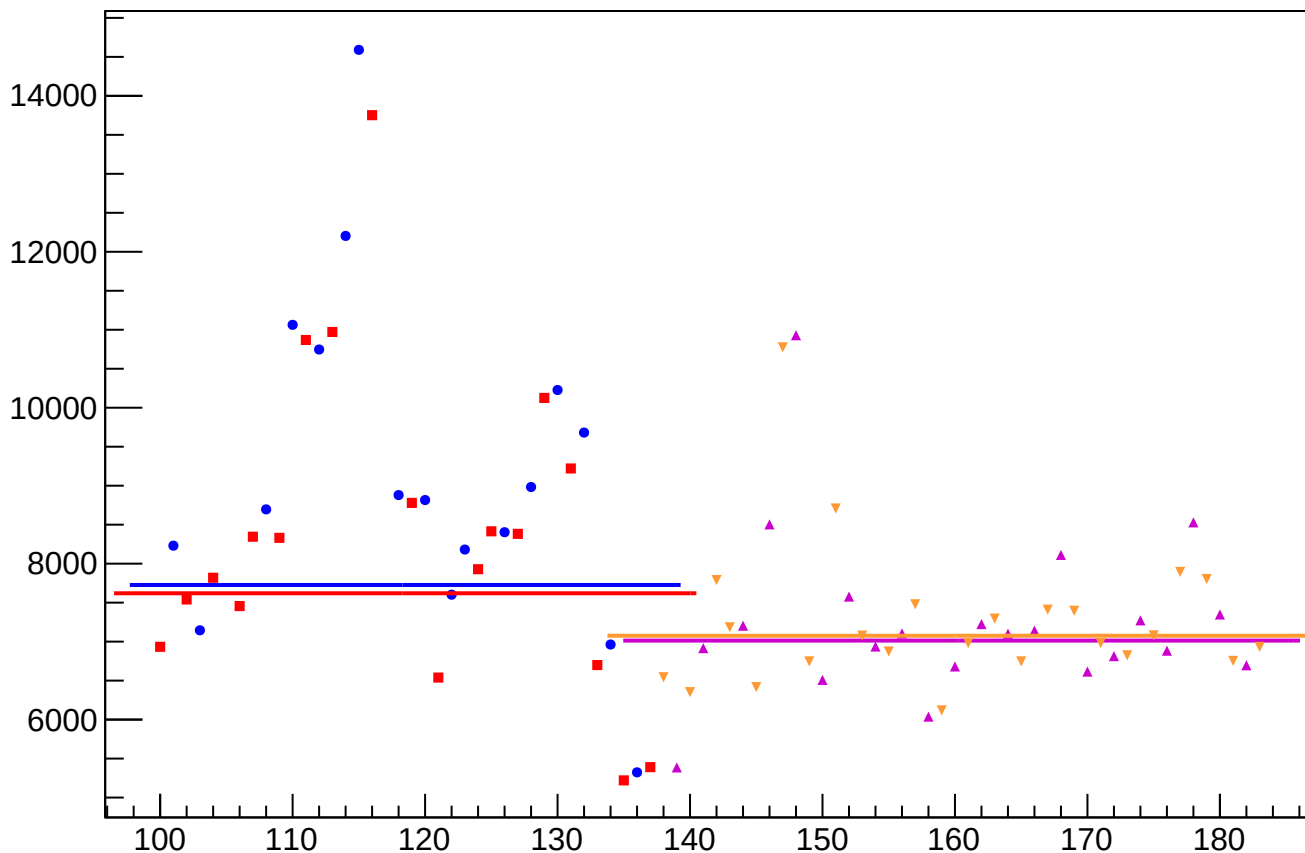
Left In: 1.431 ± 1.710 χ^2/NDF : 35.3/21

+ sign 2.337 ± 1.471 χ^2/NDF : 36.6/40

All: 2.311 ± 1.043 χ^2/NDF : 92.8/81

- sign 2.284 ± 1.479 χ^2/NDF : 56.3/40

diff_bpm4aY_rms vs Slug



Right In: 7726.613+/-2.184 χ^2/NDF : 742603.6/16

Left Out: 7075.695+/-1.182 χ^2/NDF : 383935.8/23

Right Out: 7620.107+/-2.083 χ^2/NDF : 679200.6/18

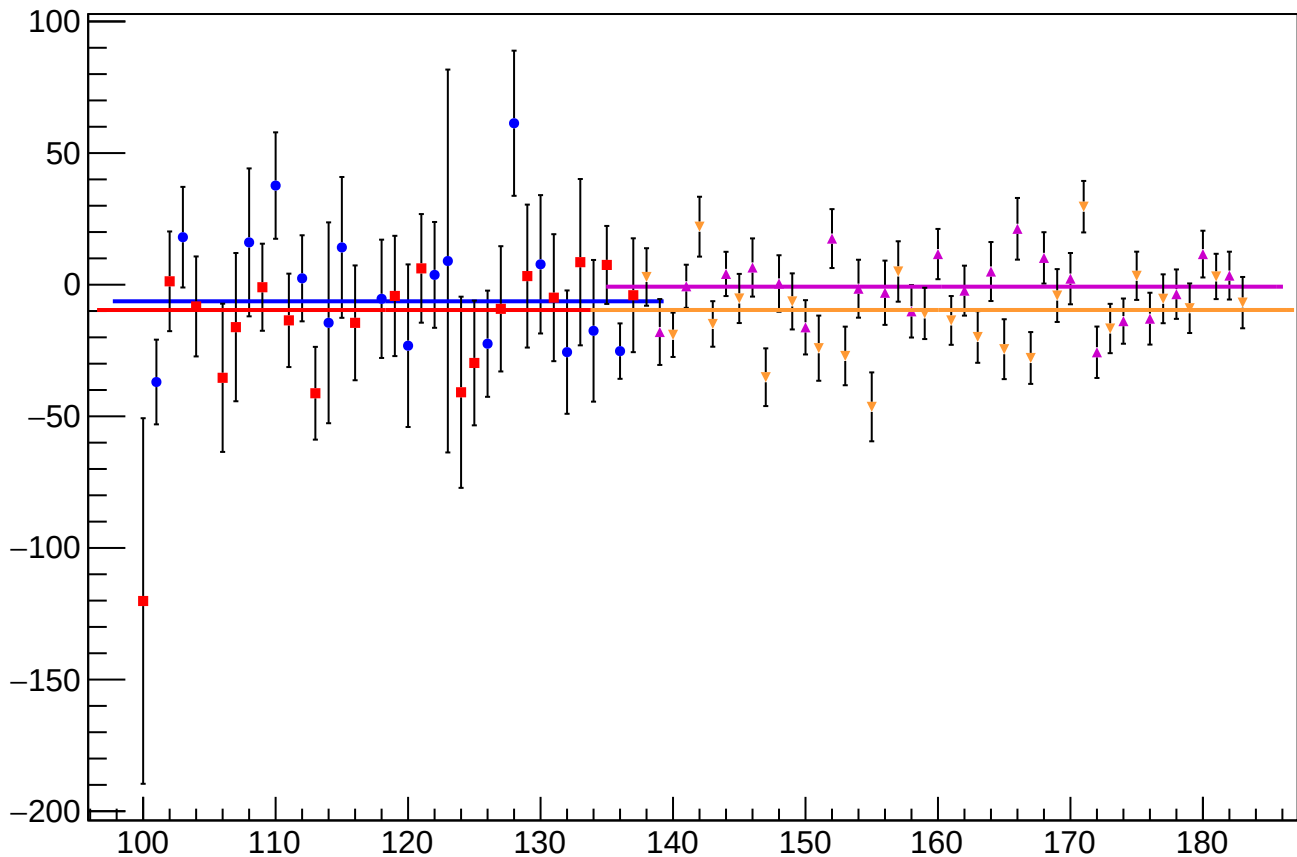
Left In: 7013.368+/-1.209 χ^2/NDF : 544432.1/21

+ sign 7223.204+/-1.040 χ^2/NDF : 1195207.8/40

All: 7194.944+/-0.737 χ^2/NDF : 2483777.6/83

- sign 7166.353+/-1.046 χ^2/NDF : 1287084.1/40

diff_bpm4eX_mean vs Slug



Right In: -6.303 ± 5.045 χ^2/NDF : 23.2/16

Left Out: -9.601 ± 2.035 χ^2/NDF : 57.7/23

Right Out: -9.614 ± 5.013 χ^2/NDF : 11.5/18

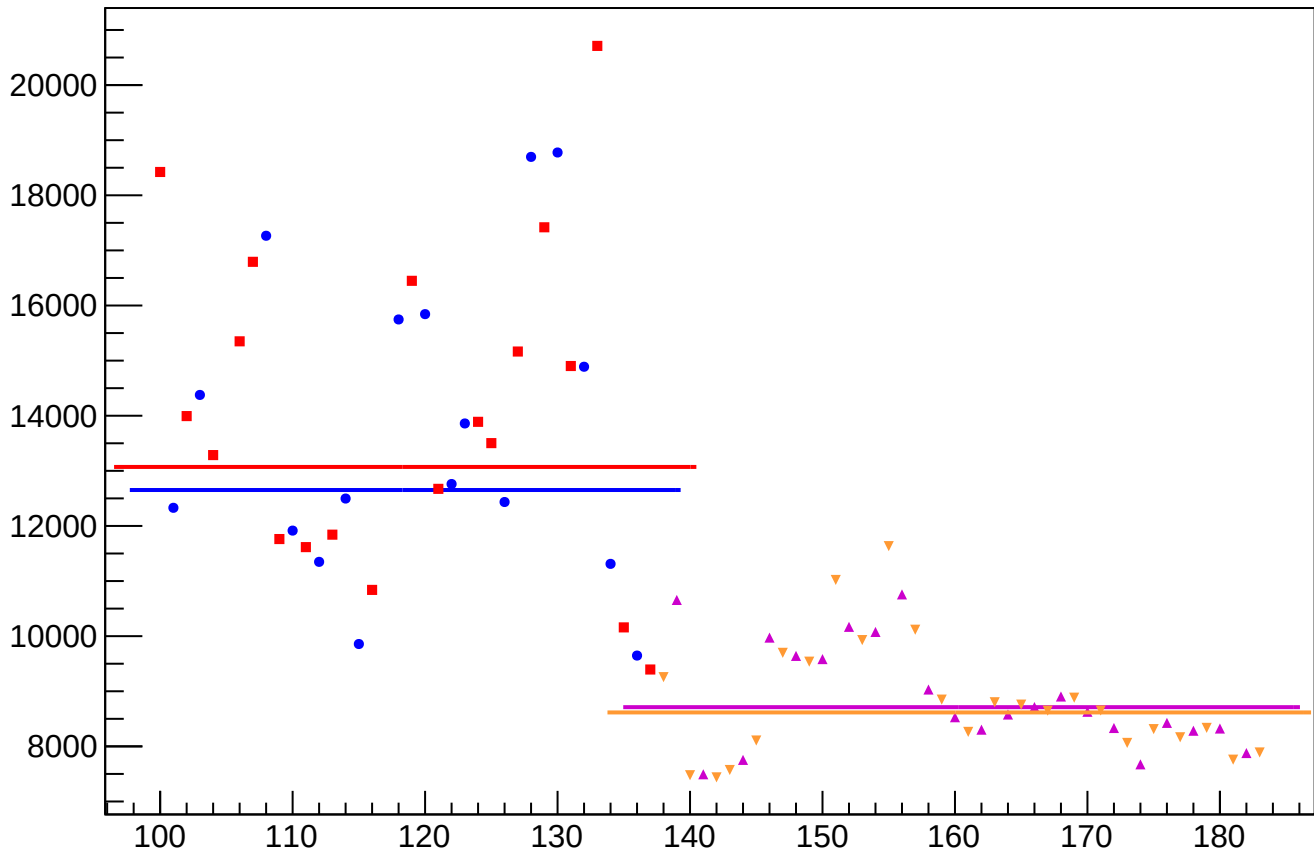
Left In: -0.753 ± 2.115 χ^2/NDF : 28.0/21

+ sign -9.139 ± 1.887 χ^2/NDF : 81.2/40

All: -5.728 ± 1.356 χ^2/NDF : 130.0/81

- sign -2.091 ± 1.948 χ^2/NDF : 42.1/40

diff_bpm4eX_rms vs Slug



Right In: 12652.101+/-3.567 χ^2/NDF : 559356.1/16

Left Out: 8615.932+/-1.439 χ^2/NDF : 431410.0/23

Right Out: 13070.799+/-3.545 χ^2/NDF : 498063.2/18

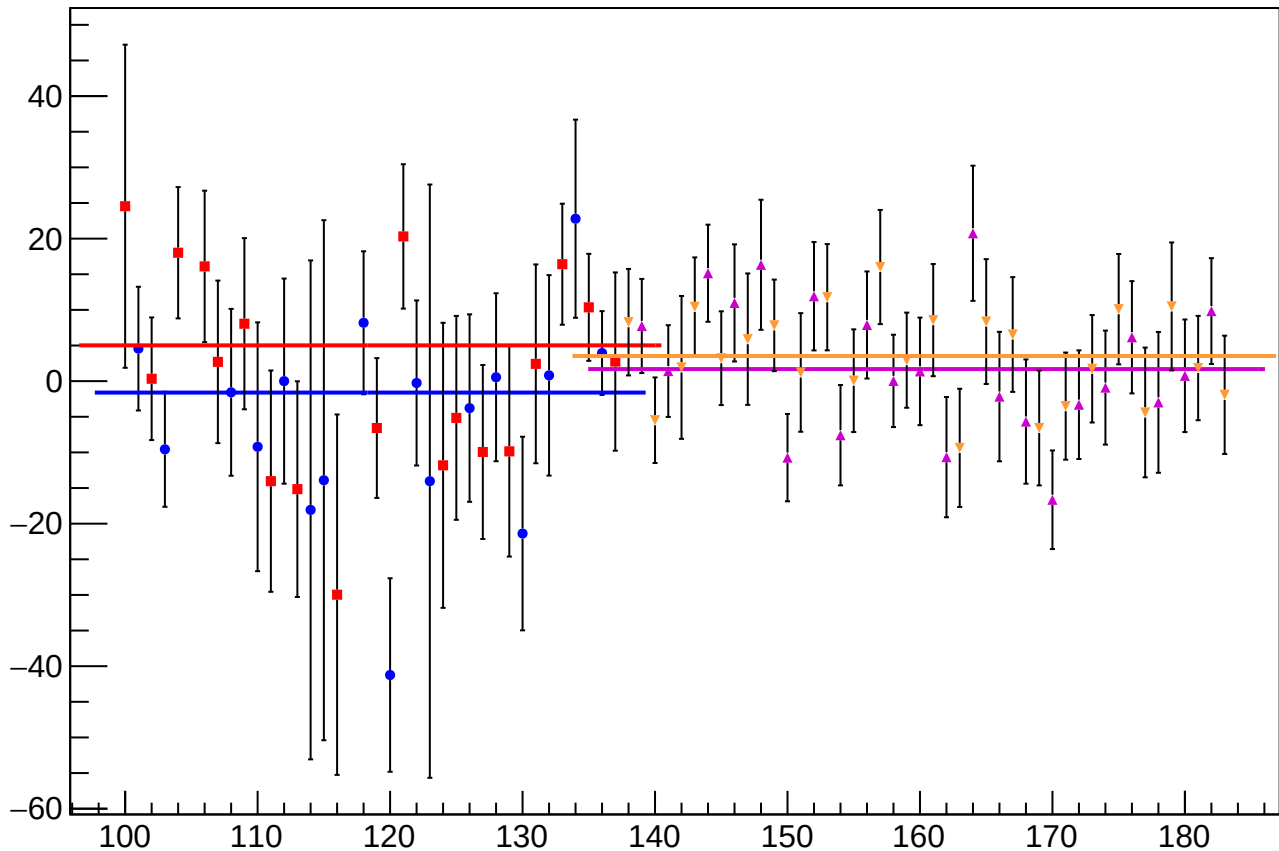
Left In: 8711.574+/-1.495 χ^2/NDF : 361147.5/21

+ sign 9180.750+/-1.335 χ^2/NDF : 2091653.6/40

All: 9272.403+/-0.959 χ^2/NDF : 4244513.3/83

- sign 9370.082+/-1.378 χ^2/NDF : 2143116.3/40

diff_bpm4eY_mean vs Slug



Right In: -1.604 ± 2.811 χ^2/NDF : 17.8/16

Left Out: 3.523 ± 1.563 χ^2/NDF : 16.5/23

Right Out: 5.023 ± 2.647 χ^2/NDF : 19.2/18

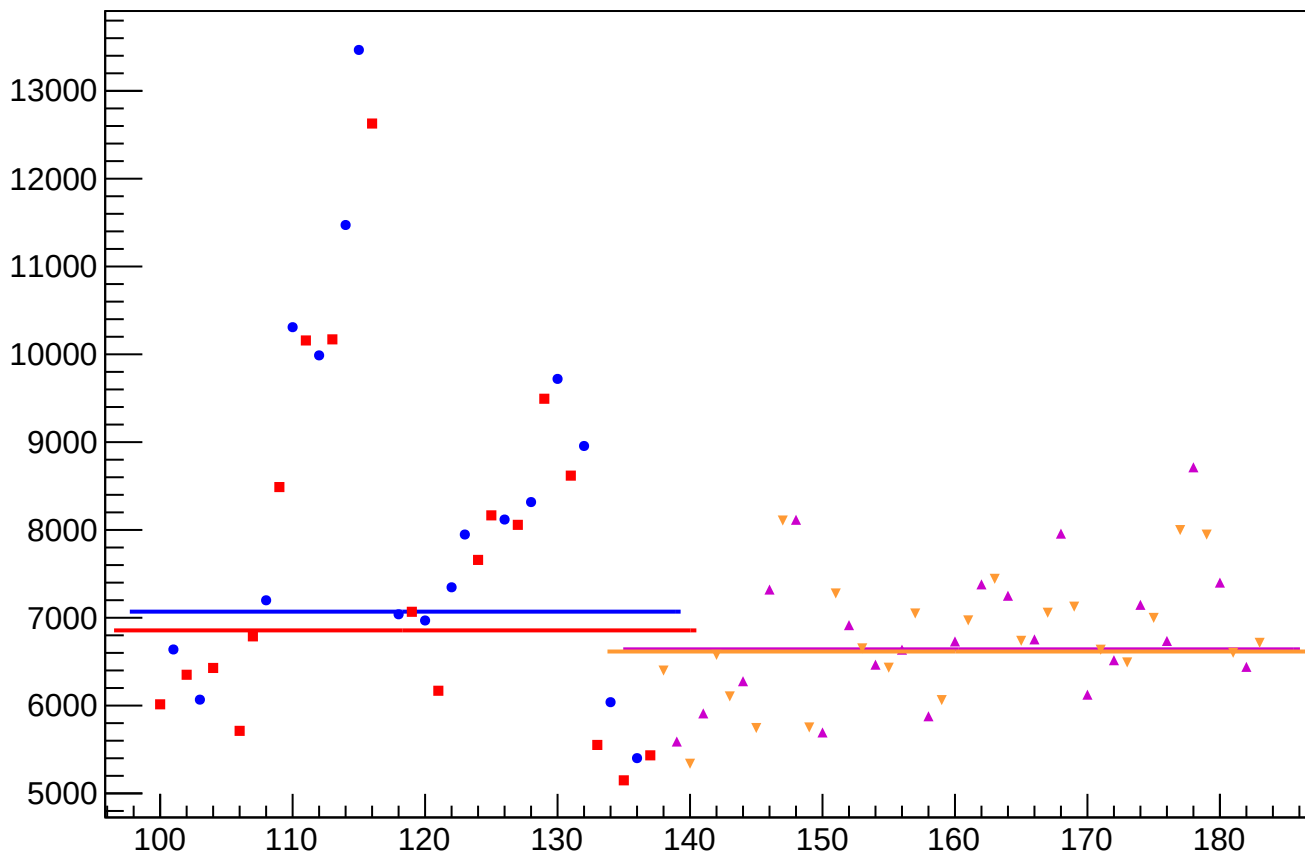
Left In: 1.691 ± 1.615 χ^2/NDF : 33.4/21

+ sign 2.312 ± 1.366 χ^2/NDF : 36.8/40

All: 2.452 ± 0.970 χ^2/NDF : 90.6/81

- sign 2.595 ± 1.379 χ^2/NDF : 53.7/40

diff_bpm4eY_rms vs Slug



Right In: 7069.683 ± 1.988 χ^2/NDF : 601725.0/16

Left Out: 6615.656 ± 1.105 χ^2/NDF : 394690.6/23

Right Out: 6856.143 ± 1.872 χ^2/NDF : 686407.0/18

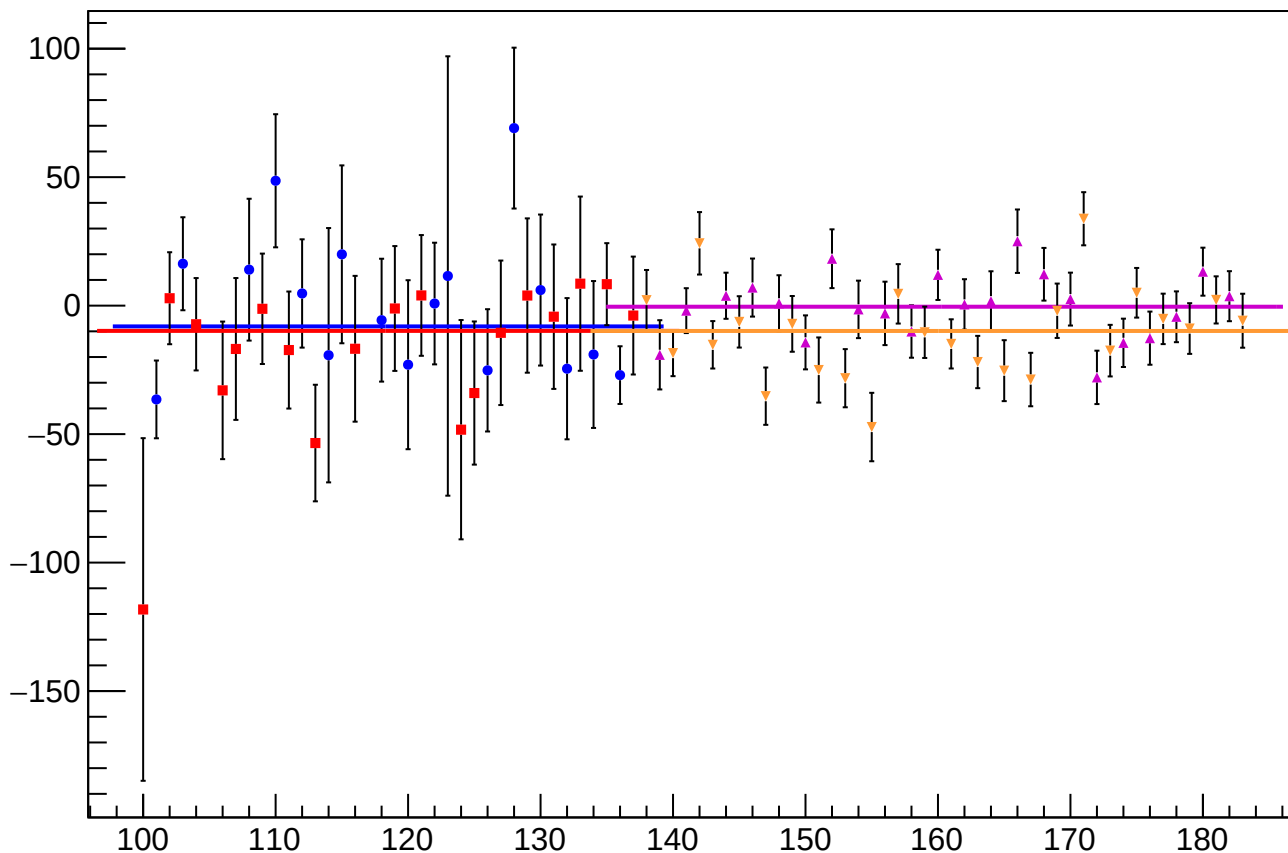
Left In: 6640.401 ± 1.142 χ^2/NDF : 424977.9/21

+ sign 6722.895 ± 0.966 χ^2/NDF : 1036272.8/40

All: 6711.031 ± 0.686 χ^2/NDF : 2157643.8/83

- sign 6698.946 ± 0.975 χ^2/NDF : 1121066.5/40

diff_bpm4acX_mean vs Slug



Right In: -8.084 ± 5.527 χ^2/NDF : 22.4/16

Left Out: -9.856 ± 2.135 χ^2/NDF : 59.2/23

Right Out: -9.828 ± 5.581 χ^2/NDF : 12.0/18

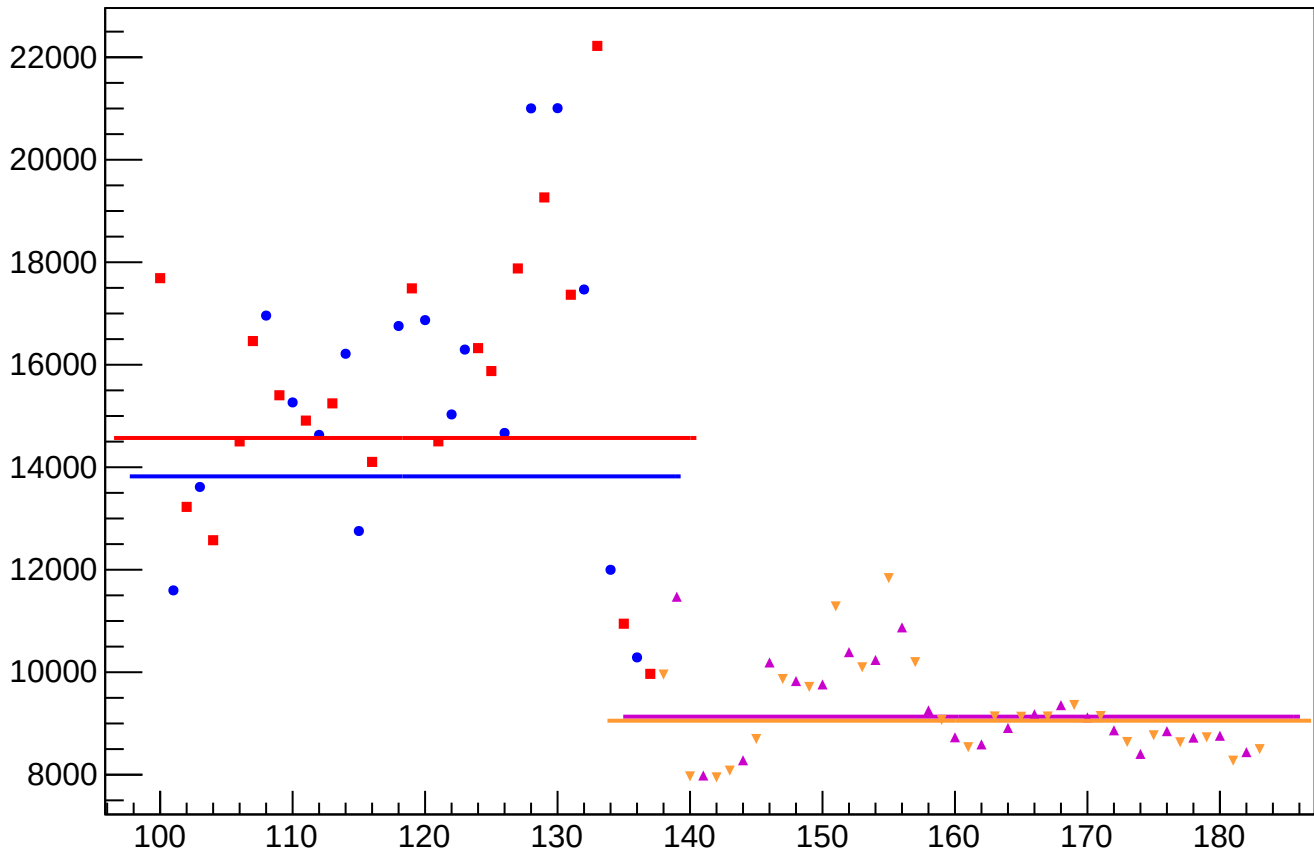
Left In: -0.421 ± 2.214 χ^2/NDF : 28.6/21

+ sign -9.626 ± 1.992 χ^2/NDF : 81.7/40

All: -5.793 ± 1.431 χ^2/NDF : 132.4/81

- sign -1.700 ± 2.058 χ^2/NDF : 43.0/40

diff_bpm4acX_rms vs Slug



Right In: 13821.849+/-3.908 χ^2/NDF : 607967.7/16

Left Out: 9053.781+/-1.510 χ^2/NDF : 325234.4/23

Right Out: 14571.187+/-3.946 χ^2/NDF : 473951.9/18

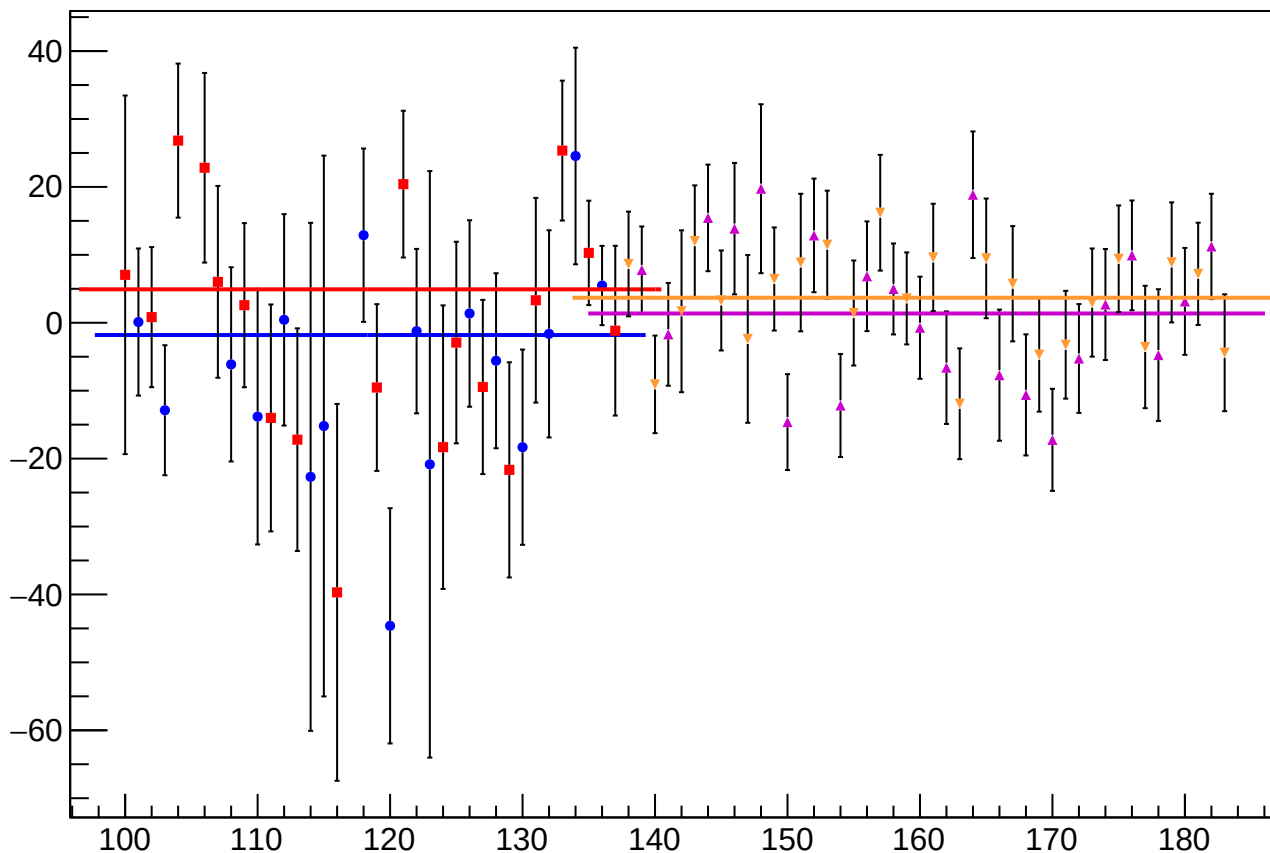
Left In: 9132.933+/-1.566 χ^2/NDF : 272308.8/21

+ sign 9673.002+/-1.408 χ^2/NDF : 2228555.0/40

All: 9769.465+/-1.012 χ^2/NDF : 4625431.0/83

- sign 9872.463+/-1.455 χ^2/NDF : 2387174.5/40

diff_bpm4acY_mean vs Slug



Right In: -1.806 ± 3.112 χ^2/NDF : 15.7/16

Left Out: 3.684 ± 1.680 χ^2/NDF : 17.6/23

Right Out: 4.921 ± 2.968 χ^2/NDF : 25.0/18

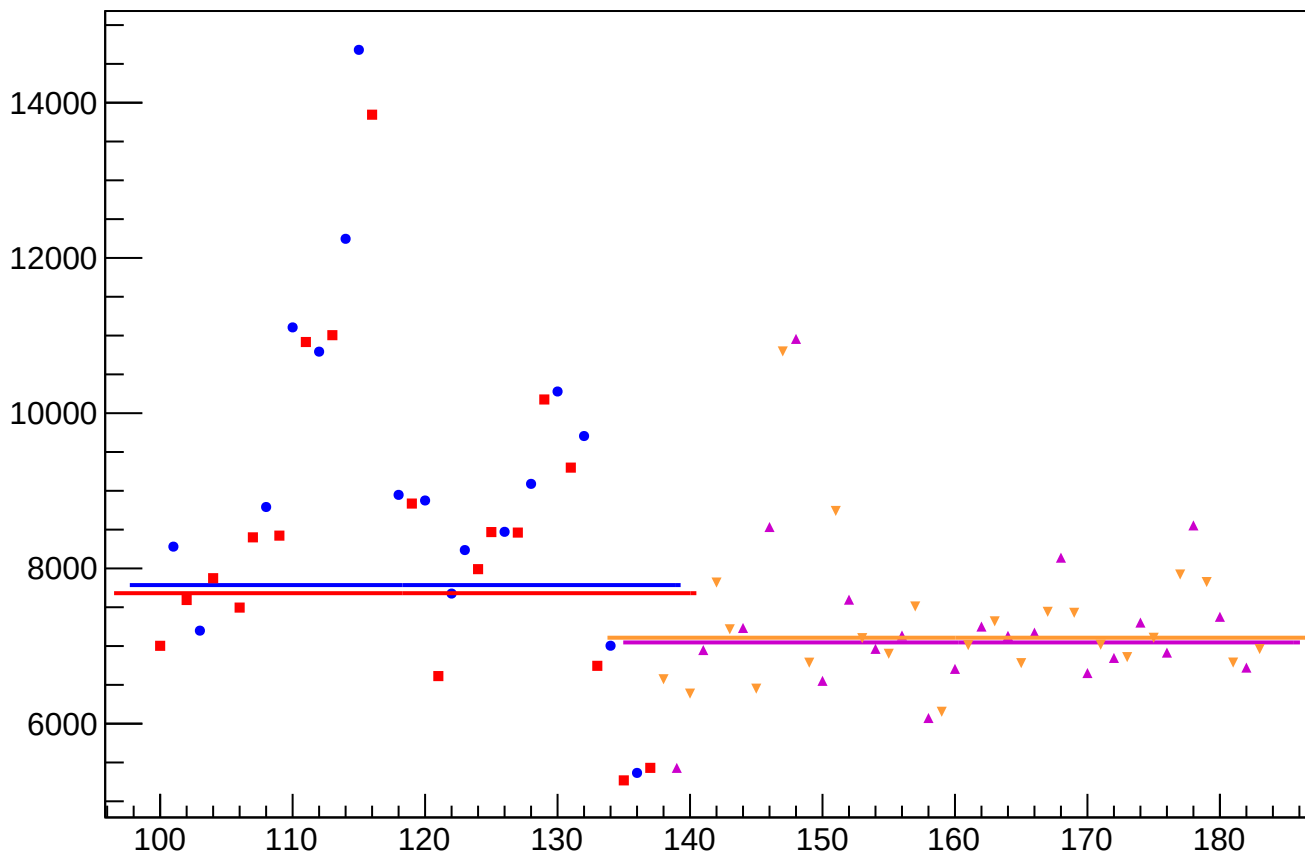
Left In: 1.366 ± 1.718 χ^2/NDF : 36.4/21

+ sign 2.445 ± 1.478 χ^2/NDF : 35.7/40

All: 2.352 ± 1.048 χ^2/NDF : 98.2/81

- sign 2.258 ± 1.487 χ^2/NDF : 62.5/40

diff_bpm4acY_rms vs Slug



Right In: 7785.499+/-2.201 χ^2/NDF : 738102.3/16

Left Out: 7107.519+/-1.188 χ^2/NDF : 379119.6/23

Right Out: 7681.068+/-2.099 χ^2/NDF : 672729.8/18

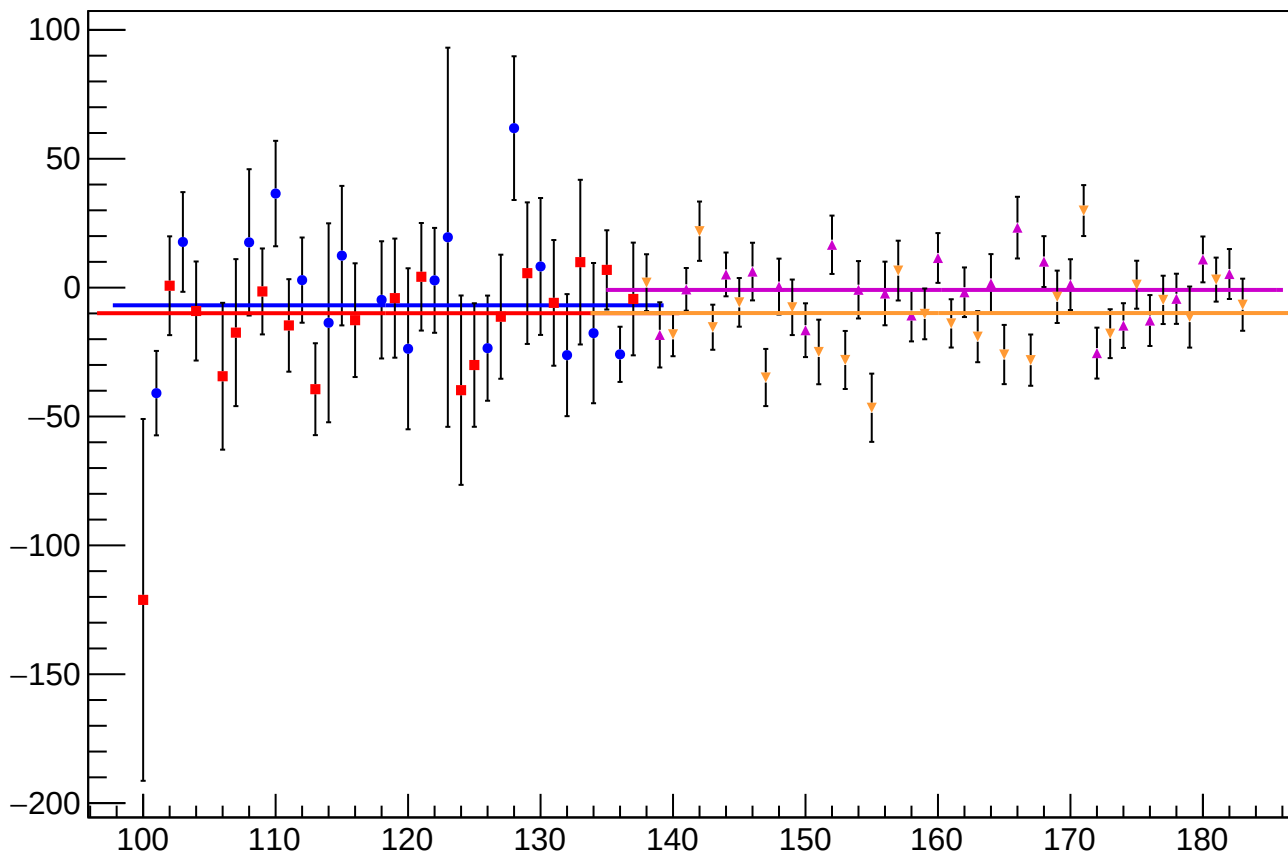
Left In: 7046.629+/-1.215 χ^2/NDF : 535410.7/21

+ sign 7260.443+/-1.045 χ^2/NDF : 1190729.3/40

All: 7233.313+/-0.741 χ^2/NDF : 2468654.8/81

- sign 7205.849+/-1.052 χ^2/NDF : 1276569.5/40

diff_bpm4ecX_mean vs Slug



Right In: -6.855 ± 5.113 χ^2/NDF : 23.8/16

Left Out: -9.862 ± 2.075 χ^2/NDF : 57.0/23

Right Out: -9.922 ± 5.084 χ^2/NDF : 10.6/18

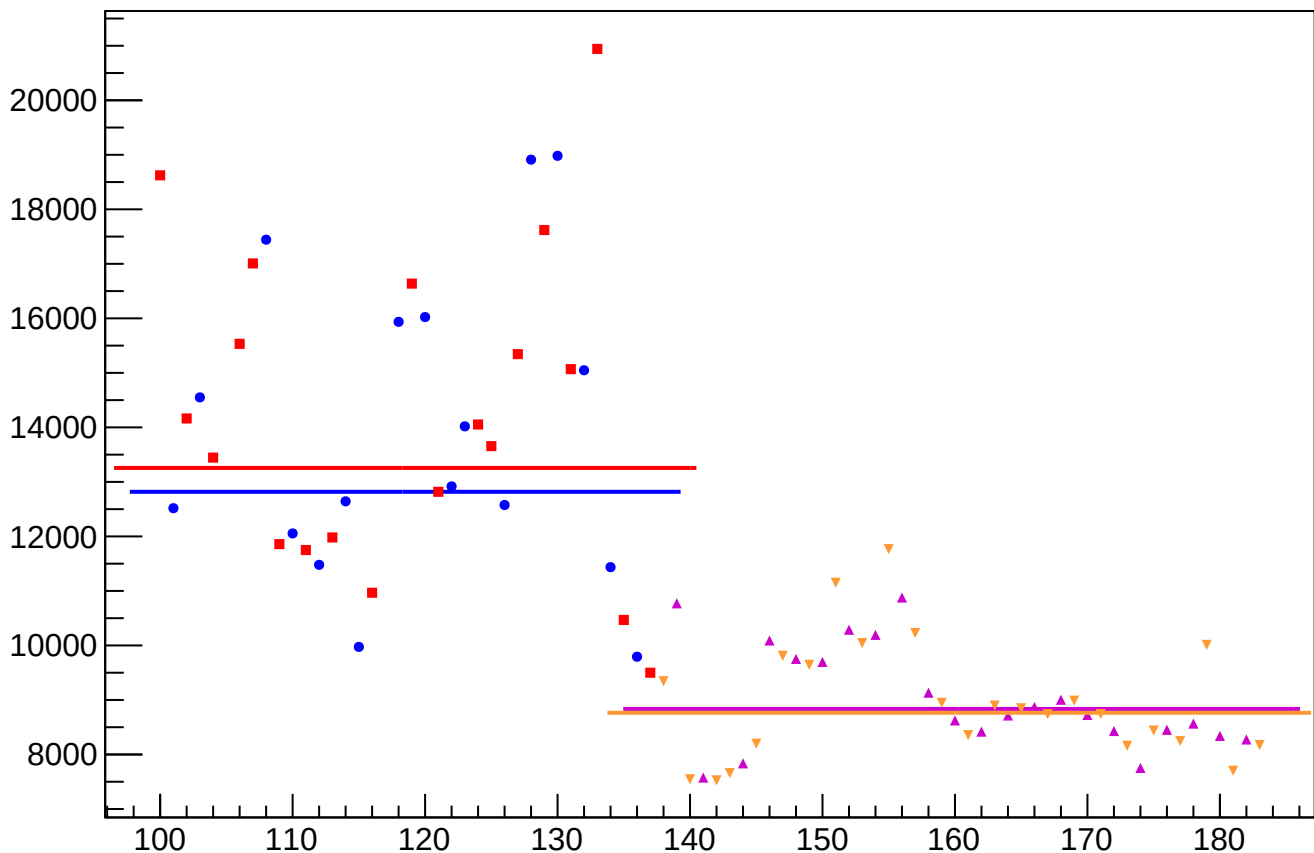
Left In: -0.887 ± 2.146 χ^2/NDF : 28.0/21

+ sign -9.437 ± 1.923 χ^2/NDF : 81.0/40

All: -5.946 ± 1.379 χ^2/NDF : 129.0/81

- sign -2.254 ± 1.977 χ^2/NDF : 41.2/40

diff_bpm4ecX_rms vs Slug



Right In: 12818.610+/-3.615 χ^2/NDF : 553065.0/16

Left Out: 8764.939+/-1.467 χ^2/NDF : 456007.4/23

Right Out: 13256.425+/-3.595 χ^2/NDF : 486011.2/18

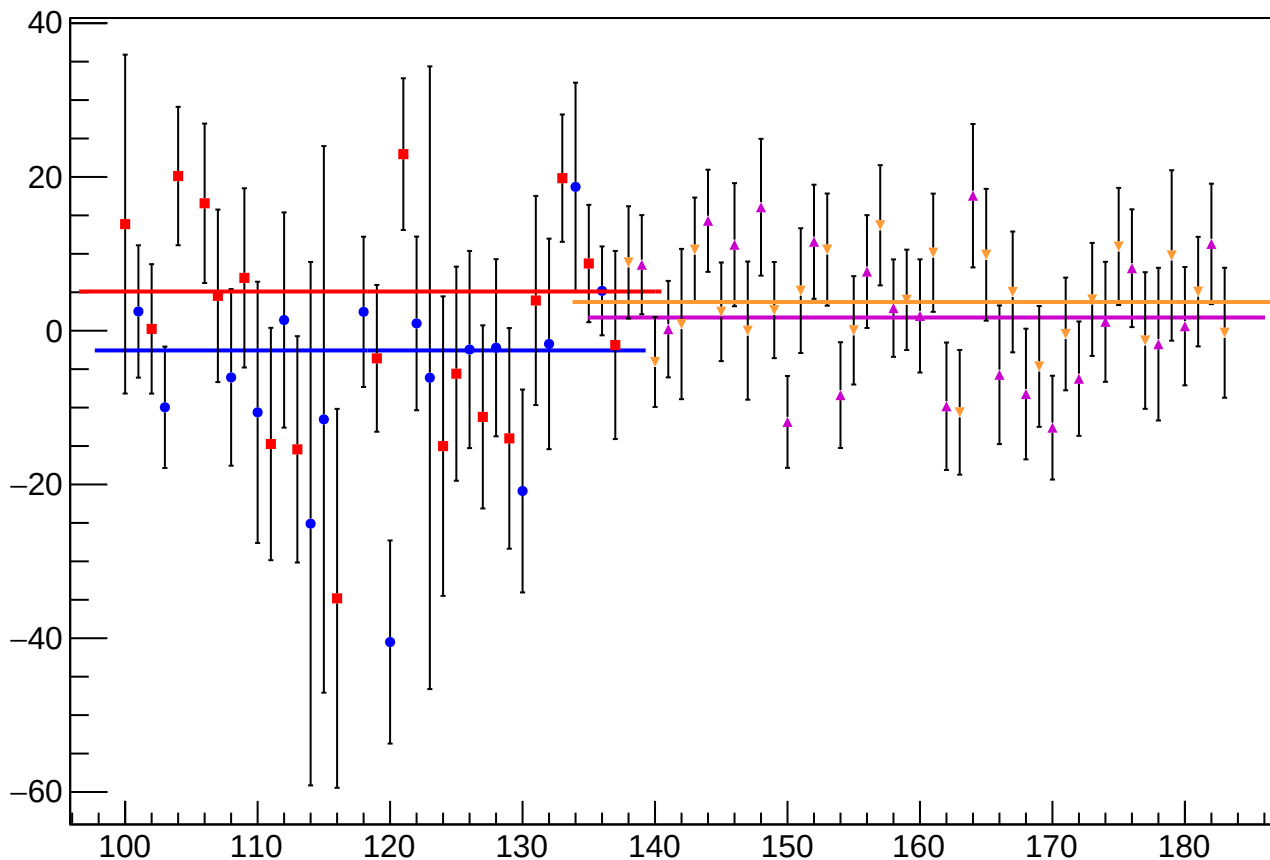
Left In: 8835.383+/-1.518 χ^2/NDF : 350782.8/21

+ sign 9338.245+/-1.360 χ^2/NDF : 2088410.5/40

All: 9418.859+/-0.975 χ^2/NDF : 4215891.1/83

- sign 9504.115+/-1.398 χ^2/NDF : 2120247.5/40

diff_bpm4ecY_mean vs Slug



Right In: -2.566 ± 2.752 χ^2/NDF : 16.9/16

Left Out: 3.731 ± 1.537 χ^2/NDF : 14.0/23

Right Out: 5.098 ± 2.595 χ^2/NDF : 24.0/18

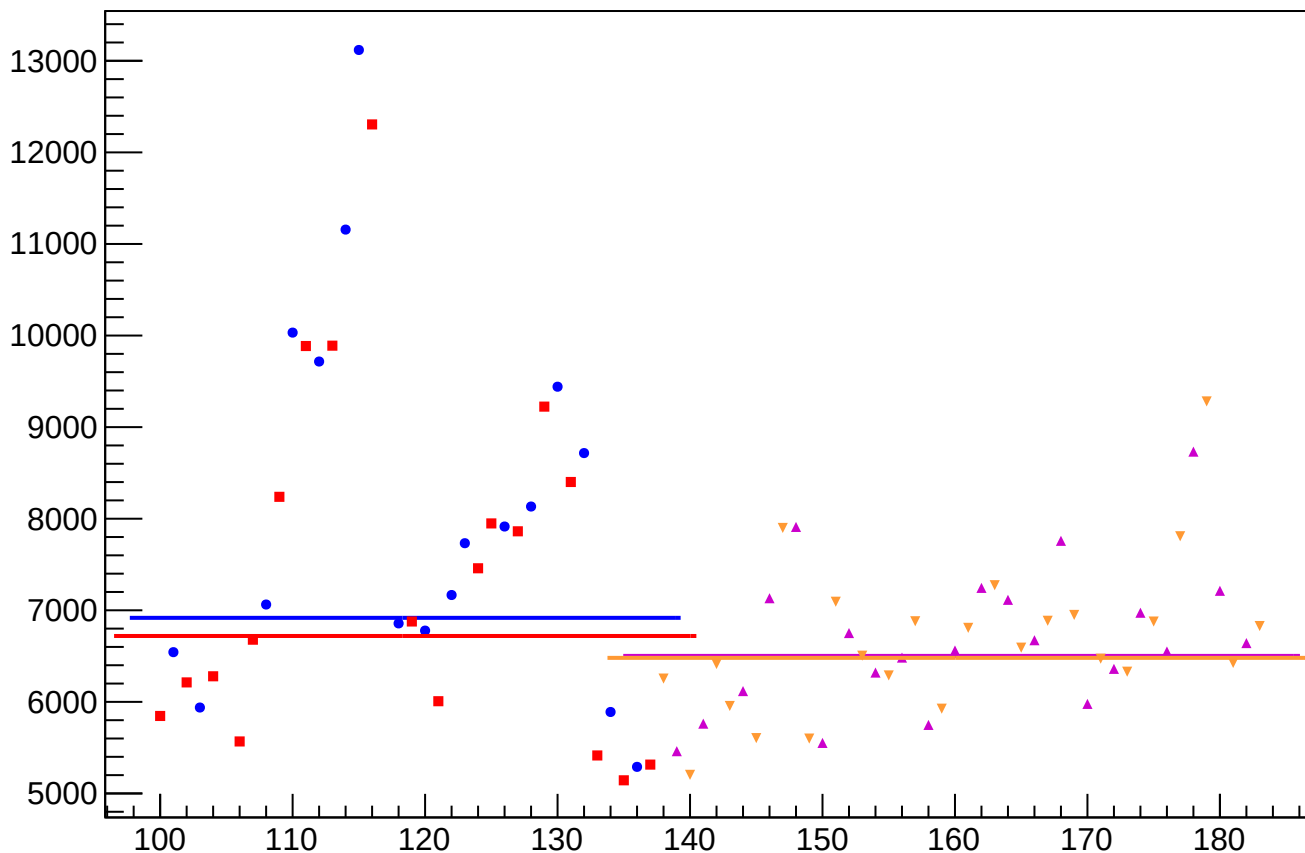
Left In: 1.717 ± 1.584 χ^2/NDF : 33.4/21

+ sign 2.234 ± 1.342 χ^2/NDF : 34.9/40

All: 2.433 ± 0.952 χ^2/NDF : 93.6/81

- sign 2.636 ± 1.352 χ^2/NDF : 58.6/40

diff_bpm4ecY_rms vs Slug



Right In: 6917.621+/-1.946 χ^2/NDF : 588010.6/16

Left Out: 6480.558+/-1.087 χ^2/NDF : 486444.1/23

Right Out: 6719.486+/-1.835 χ^2/NDF : 657829.3/18

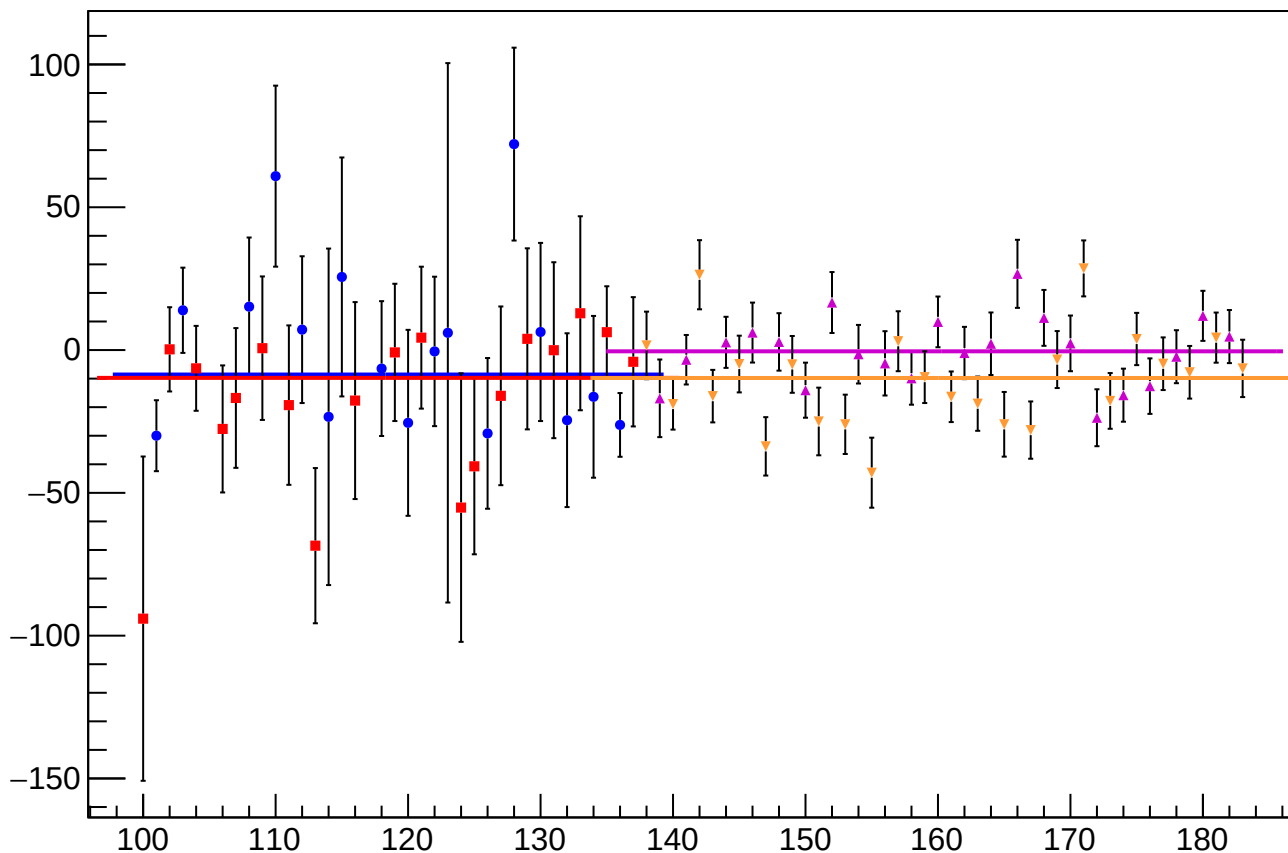
Left In: 6501.988+/-1.120 χ^2/NDF : 439511.3/21

+ sign 6584.464+/-0.949 χ^2/NDF : 1112910.5/40

All: 6572.847+/-0.673 χ^2/NDF : 2220791.4/83

- sign 6561.051+/-0.956 χ^2/NDF : 1107578.8/40

diff_bpm1X_mean vs Slug



Right In: -8.571 ± 5.419 χ^2/NDF : 21.9/16

Left Out: -9.781 ± 2.027 χ^2/NDF : 58.7/23

Right Out: -9.742 ± 5.521 χ^2/NDF : 12.7/18

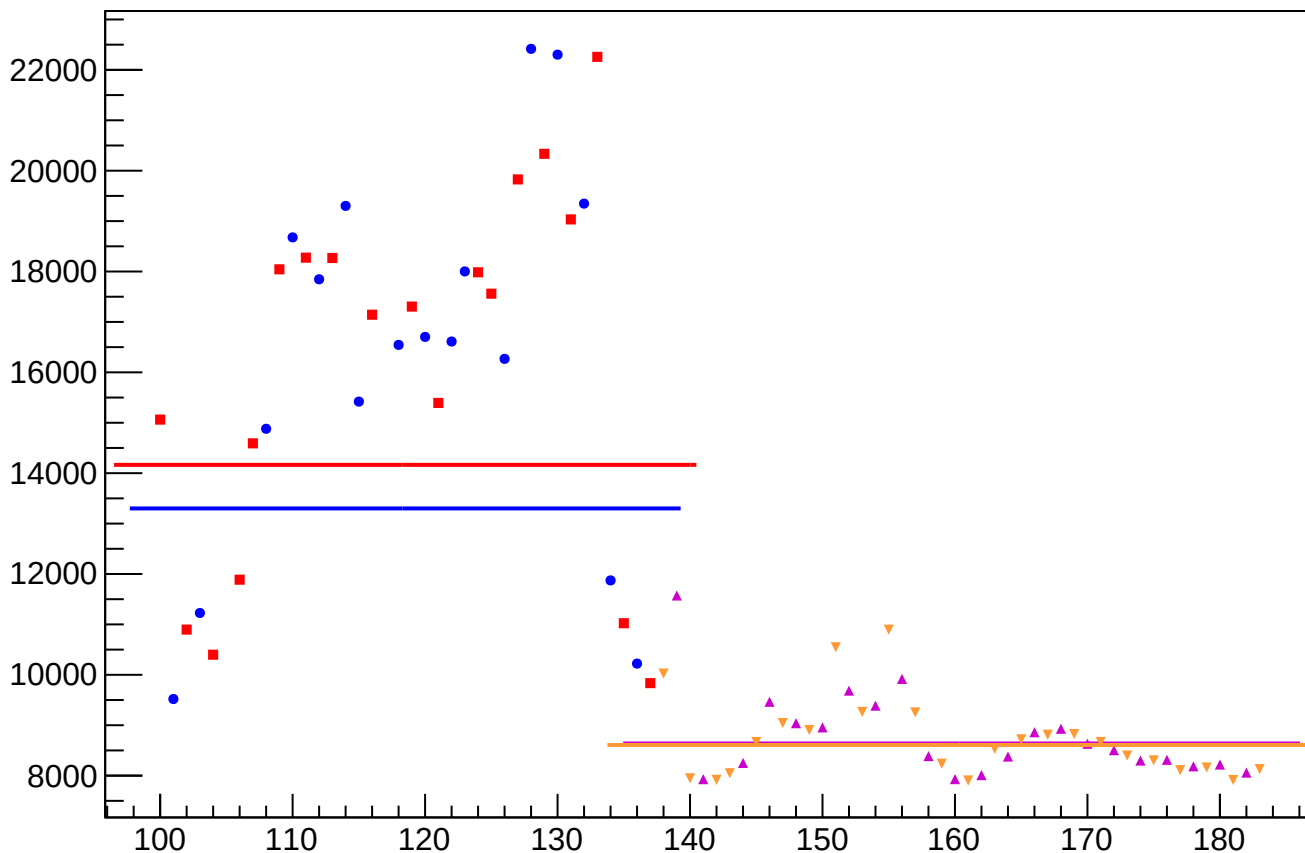
Left In: -0.442 ± 2.093 χ^2/NDF : 28.2/21

+ sign -9.633 ± 1.899 χ^2/NDF : 80.7/40

All: -5.743 ± 1.363 χ^2/NDF : 132.7/81

- sign -1.611 ± 1.957 χ^2/NDF : 43.3/40

diff_bpm1X_rms vs Slug



Right In: 13300.415+/-3.832 χ^2/NDF : 1048873.0/16

Left Out: 8607.594+/-1.434 χ^2/NDF : 246734.2/23

Right Out: 14164.824+/-3.904 χ^2/NDF : 931262.5/18

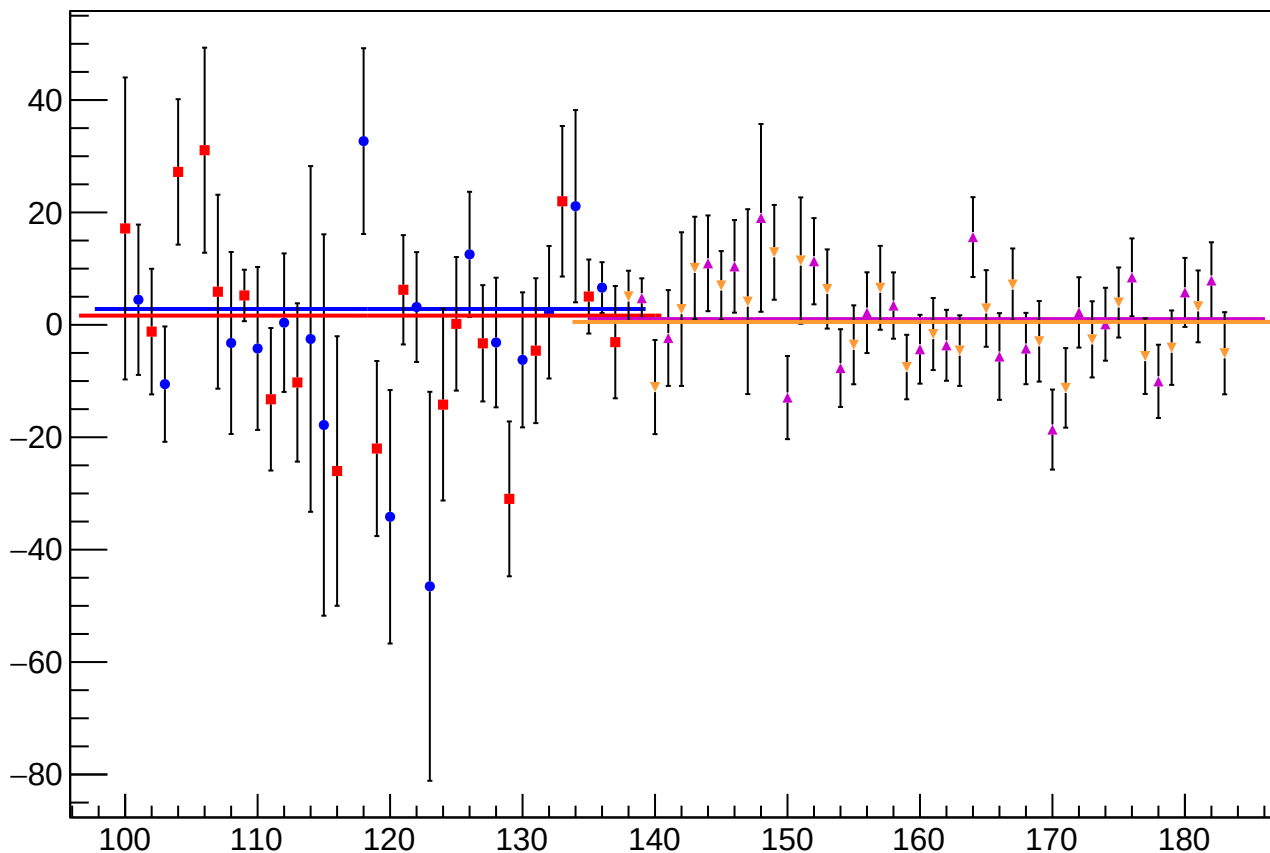
Left In: 8637.794+/-1.480 χ^2/NDF : 233564.7/21

+ sign 9183.899+/-1.343 χ^2/NDF : 2611454.9/40

All: 9255.855+/-0.964 χ^2/NDF : 5534749.6/83

- sign 9332.284+/-1.384 χ^2/NDF : 2917372.6/40

diff_bpm1Y_mean vs Slug



Right In: 2.820 ± 2.762 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 0.521 ± 1.427 $\chi^2/\text{NDF}: 19.5/23$

Right Out: 1.643 ± 2.447 $\chi^2/\text{NDF}: 23.3/18$

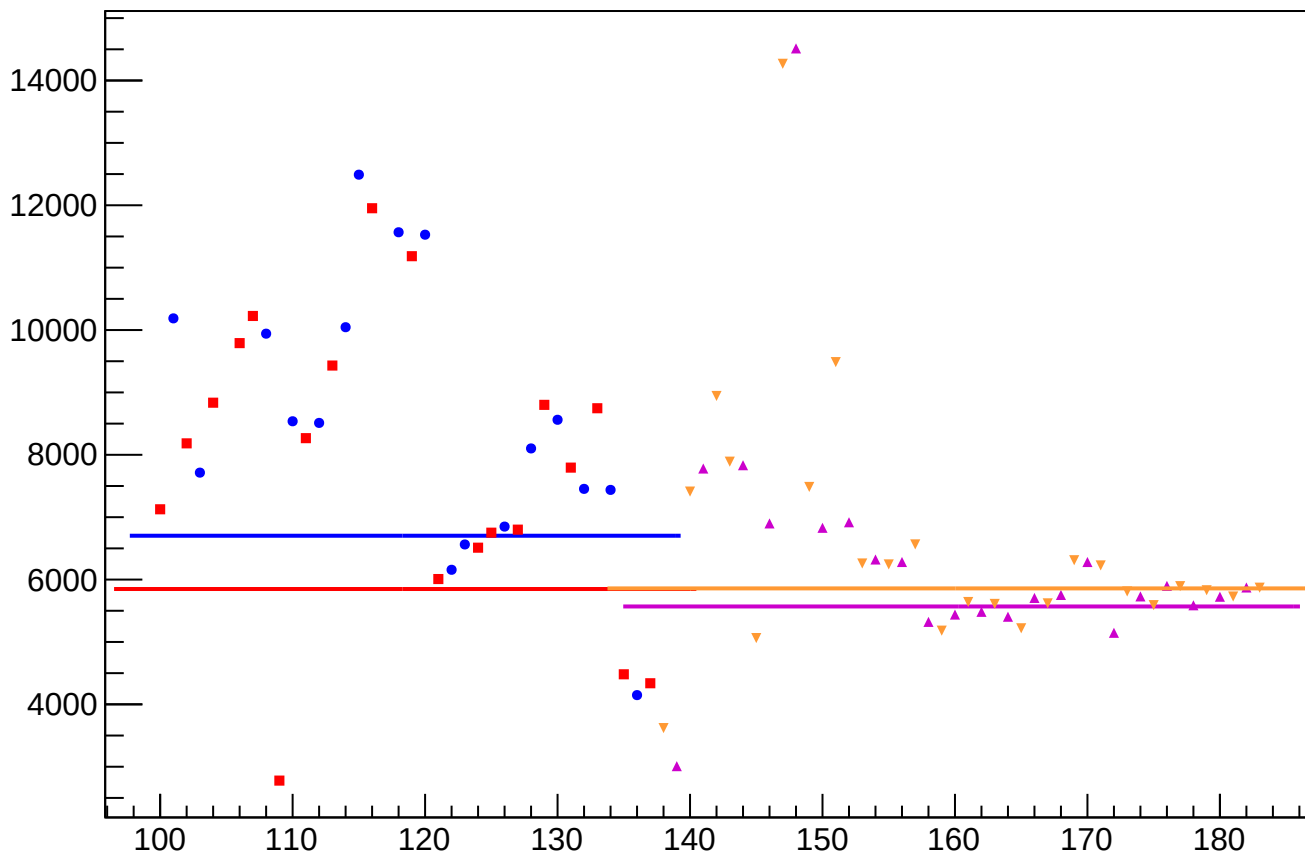
Left In: 1.017 ± 1.407 $\chi^2/\text{NDF}: 32.5/21$

+ sign 1.005 ± 1.268 $\chi^2/\text{NDF}: 34.0/40$

All: 1.092 ± 0.879 $\chi^2/\text{NDF}: 89.8/81$

- sign 1.172 ± 1.220 $\chi^2/\text{NDF}: 55.8/40$

diff_bpm1Y_rms vs Slug



Right In: 6702.778 $\pm$ 1.953 χ^2 /NDF: 1389564.7/16

Left Out: 5858.553 $\pm$ 1.009 χ^2 /NDF:1689745.2/23

Right Out: 5848.805 $\pm$ 1.731 χ^2 /NDF: 2281985.9/18

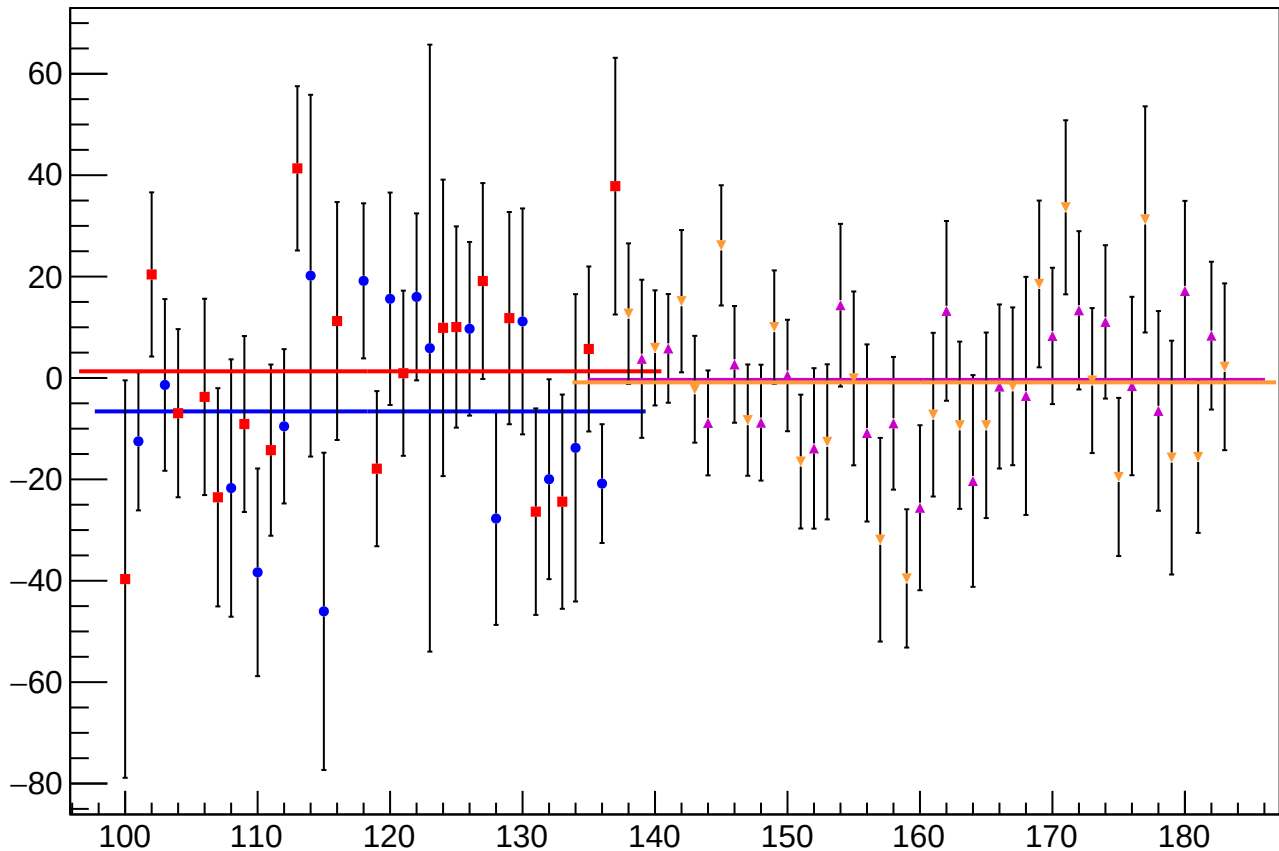
Left In: 5568.936 $\pm$ 0.995 χ^2 /NDF:2162443.9/21

+ sign 6036.446 $\pm$ 0.897 χ^2 /NDF: 3226736.9/40

All: 5829.788 $\pm$ 0.622 χ^2 /NDF: 7793106.7/83

- sign 5638.490 $\pm$ 0.863 χ^2 /NDF: 4464084.2/40

diff_bpm11X_mean vs Slug



Right In: -6.592 ± 4.559 χ^2/NDF : 15.7/16

Left Out: -0.863 ± 2.955 χ^2/NDF : 32.7/23

Right Out: 1.319 ± 4.382 χ^2/NDF : 20.1/18

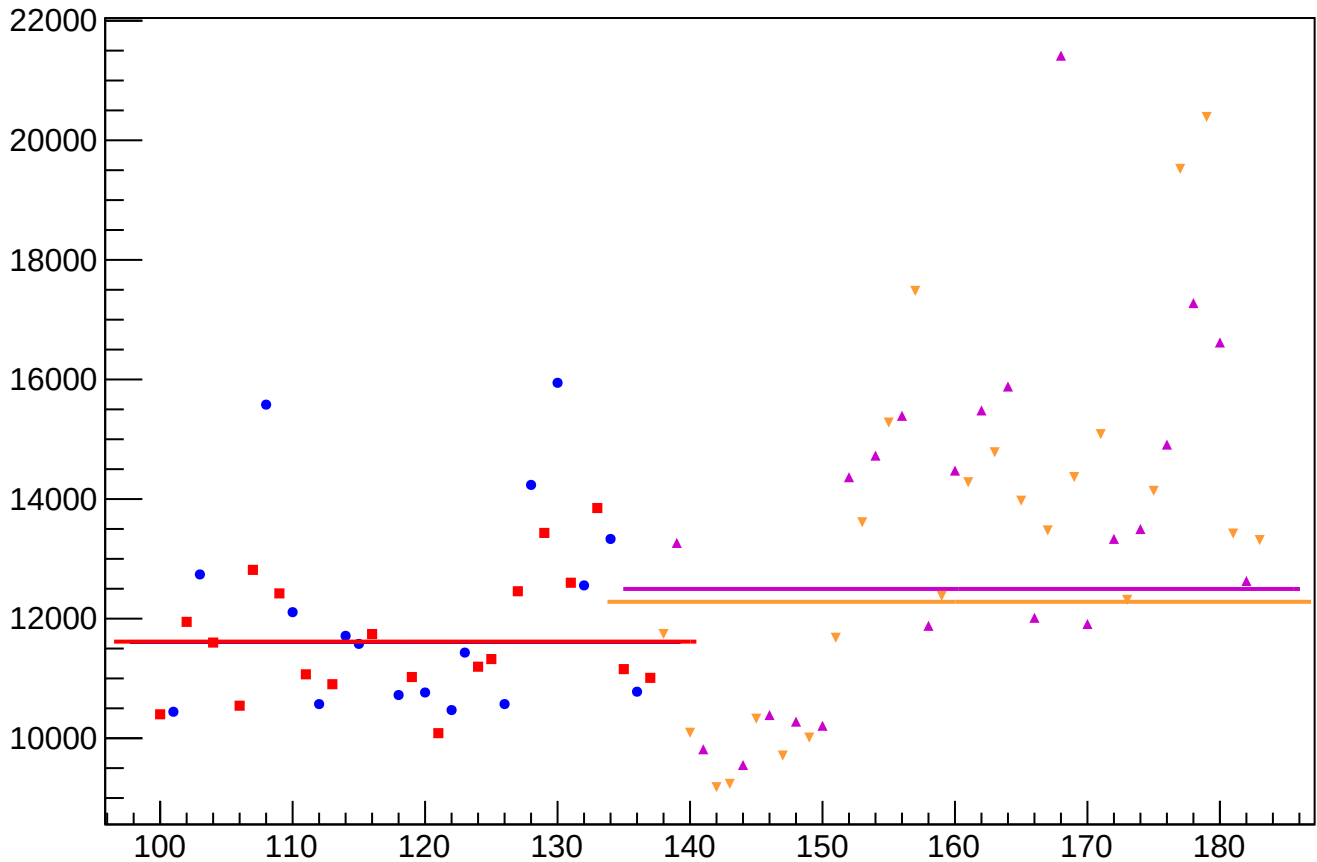
Left In: -0.382 ± 3.083 χ^2/NDF : 11.2/21

+ sign -2.558 ± 2.480 χ^2/NDF : 49.4/40

All: -1.211 ± 1.768 χ^2/NDF : 81.4/81

- sign 0.182 ± 2.522 χ^2/NDF : 31.3/40

diff_bpm11X_rms vs Slug



Right In: 11609.845+/-3.224 χ^2/NDF : 238142.5/16

Left Out: 12281.734+/-2.090 χ^2/NDF :1500169.7/23

Right Out: 11615.563+/-3.099 χ^2/NDF : 95603.2/18

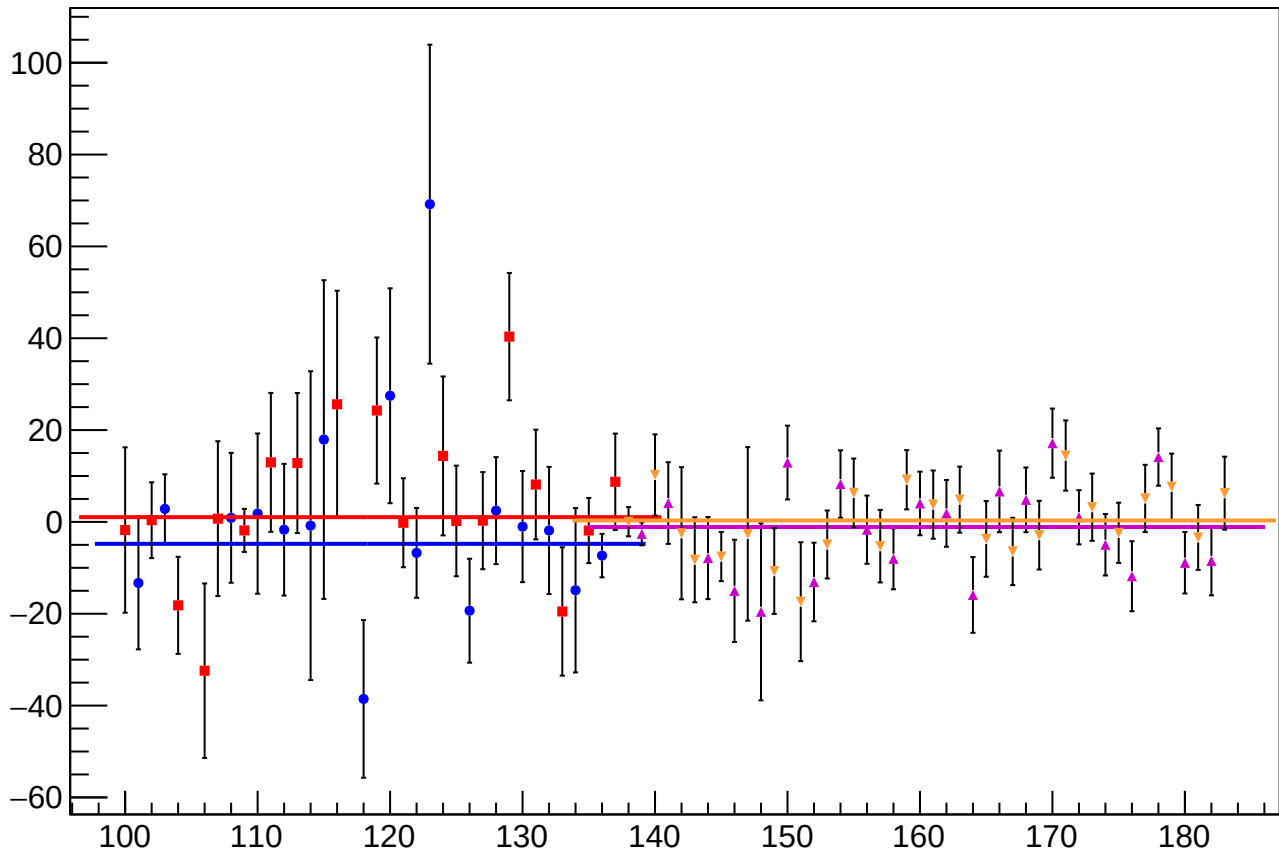
Left In: 12496.361+/-2.180 χ^2/NDF :1357636.3/21

+ sign 12082.941+/-1.754 χ^2/NDF : 1768894.9/40

All: 12142.814+/-1.250 χ^2/NDF : 3278544.8/8

- sign 12204.719+/-1.783 χ^2/NDF : 1507279.0/40

diff_bpm11Y_mean vs Slug



Right In: -4.776 ± 2.787 χ^2/NDF : 15.3/16

Left Out: 0.314 ± 1.442 χ^2/NDF : 19.1/23

Right Out: 1.032 ± 2.434 χ^2/NDF : 23.0/18

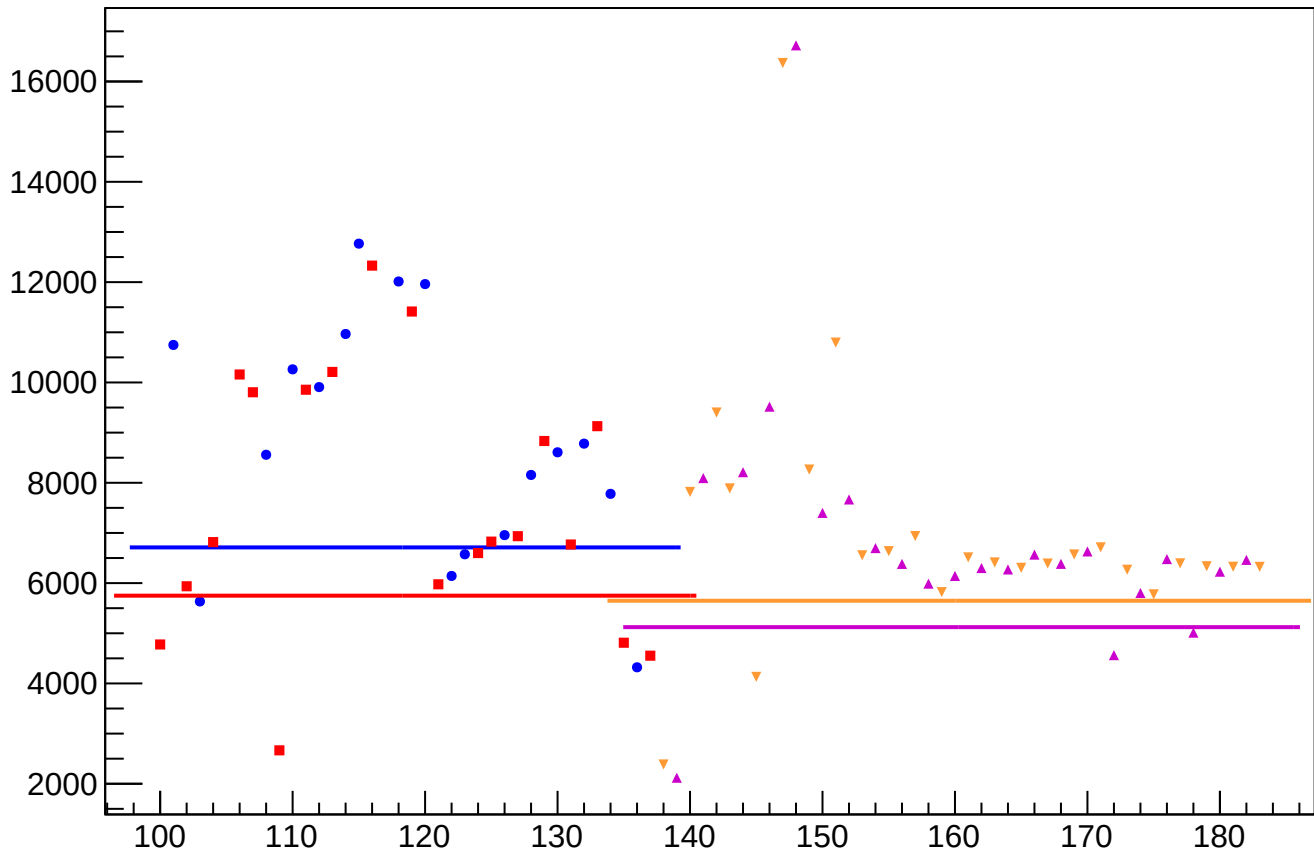
Left In: -1.112 ± 1.381 χ^2/NDF : 33.5/21

+ sign -0.760 ± 1.281 χ^2/NDF : 37.0/40

All: -0.670 ± 0.876 χ^2/NDF : 94.1/81

- sign -0.590 ± 1.201 χ^2/NDF : 57.1/40

diff_bpm11Y_rms vs Slug



Right In: 6711.784+/-1.971 χ^2/NDF : 1446319.6/16

Left Out: 5648.710+/-1.019 χ^2/NDF : 4118973.3/23

Right Out: 5749.579+/-1.721 χ^2/NDF : 2167509.2/18

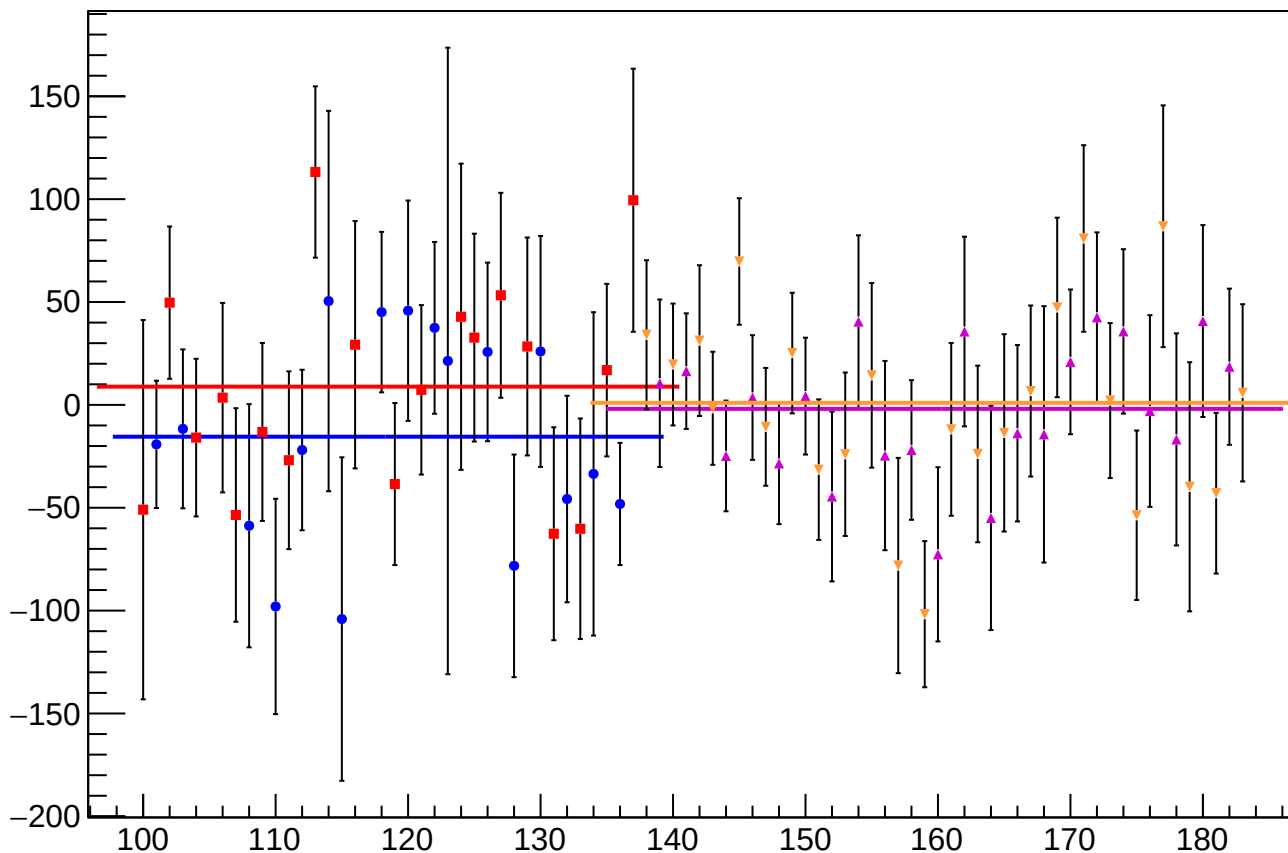
Left In: 5122.389+/-0.976 χ^2/NDF : 5477058.1/21

+ sign 5873.094+/-0.906 χ^2/NDF : 5794809.2/40

All: 5554.909+/-0.619 χ^2/NDF : 13771927.3/8

- sign 5275.108+/-0.849 χ^2/NDF : 7745063.7/40

diff_bpm12X_mean vs Slug



Right In: -15.474 ± 11.317 χ^2/NDF : 14.7/16

Left Out: 1.007 ± 7.728 χ^2/NDF : 30.2/23

Right Out: 8.865 ± 10.914 χ^2/NDF : 19.3/18

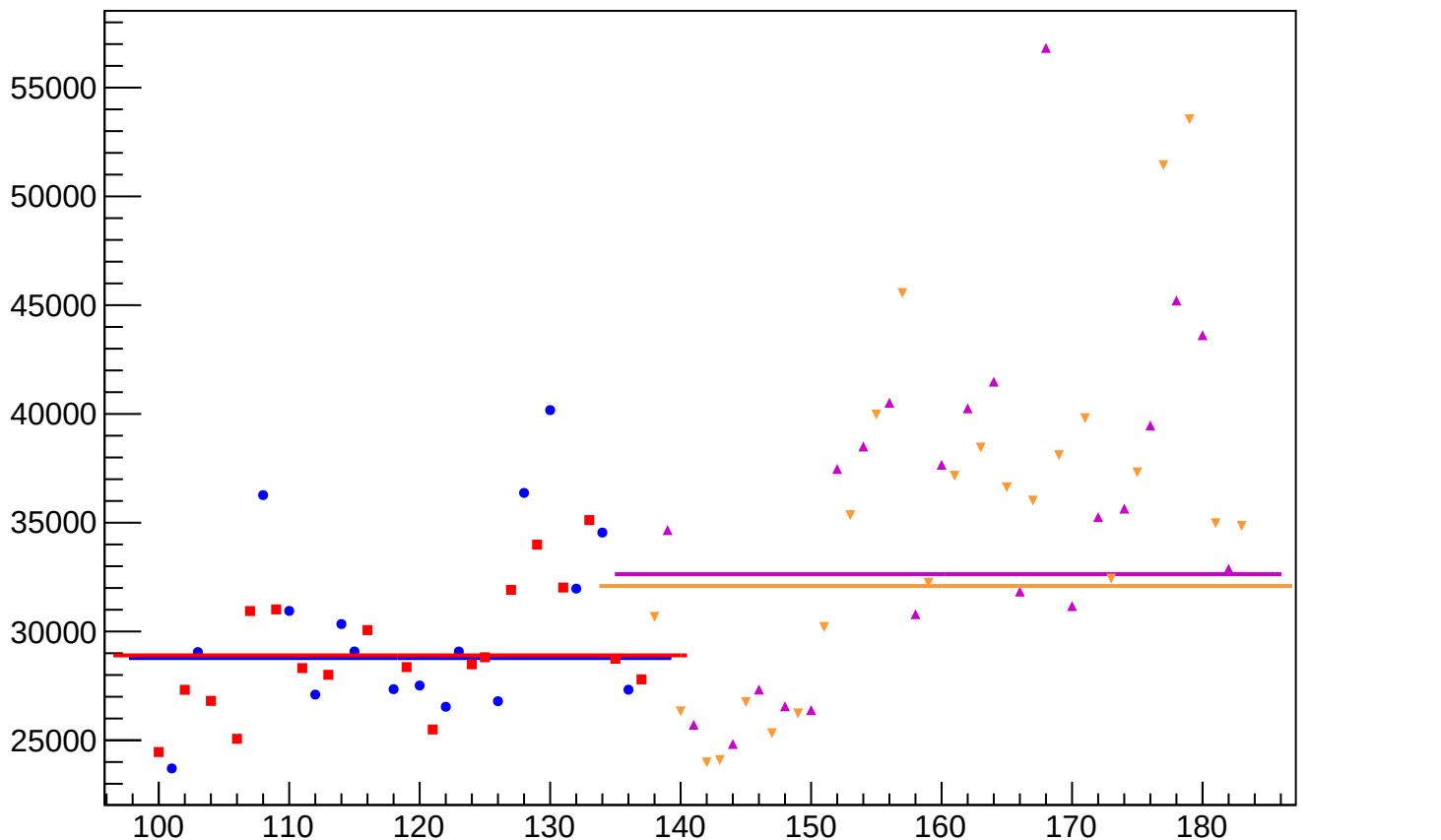
Left In: -1.925 ± 8.058 χ^2/NDF : 13.0/21

+ sign -4.234 ± 6.382 χ^2/NDF : 46.3/40

All: -1.224 ± 4.548 χ^2/NDF : 79.7/81

- sign 1.882 ± 6.483 χ^2/NDF : 32.9/40

diff_bpm12X_rms vs Slug



Right In: 28779.223+/-8.003 χ^2/NDF : 252972.7/16

Left Out: 32092.701+/-5.465 χ^2/NDF :1535536.0/23

Right Out: 28902.401+/-7.717 χ^2/NDF : 112698.1/18

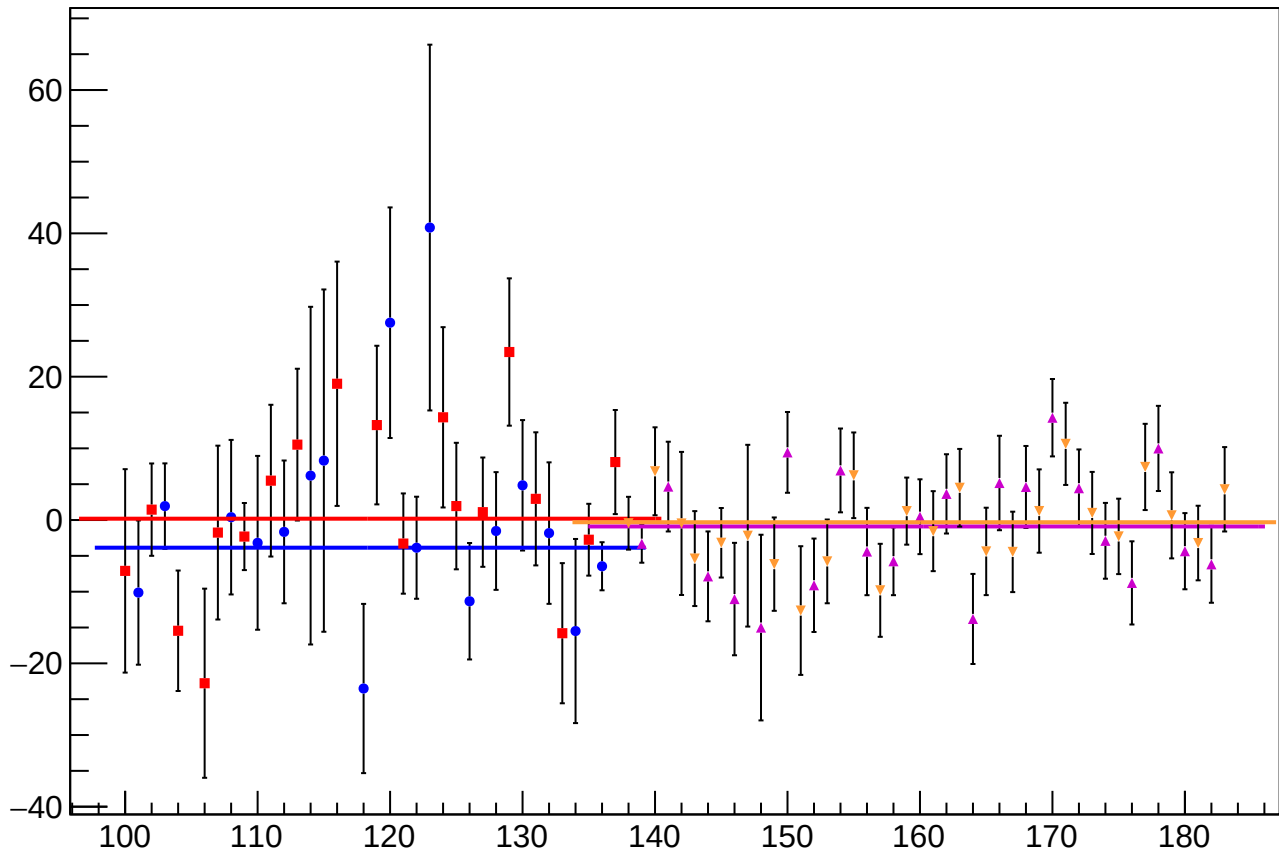
Left In: 32635.484+/-5.698 χ^2/NDF :1402103.1/21

+ sign 31038.990+/-4.513 χ^2/NDF : 1905429.5/40

All: 31176.529+/-3.216 χ^2/NDF : 3573559.7/8

- sign 31318.432+/-4.584 χ^2/NDF : 1666243.0/40

diff_bpm12Y_mean vs Slug



Right In: -3.861 ± 2.014 χ^2/NDF : 14.9/16

Left Out: -0.307 ± 1.181 χ^2/NDF : 17.6/23

Right Out: 0.185 ± 1.897 χ^2/NDF : 21.9/18

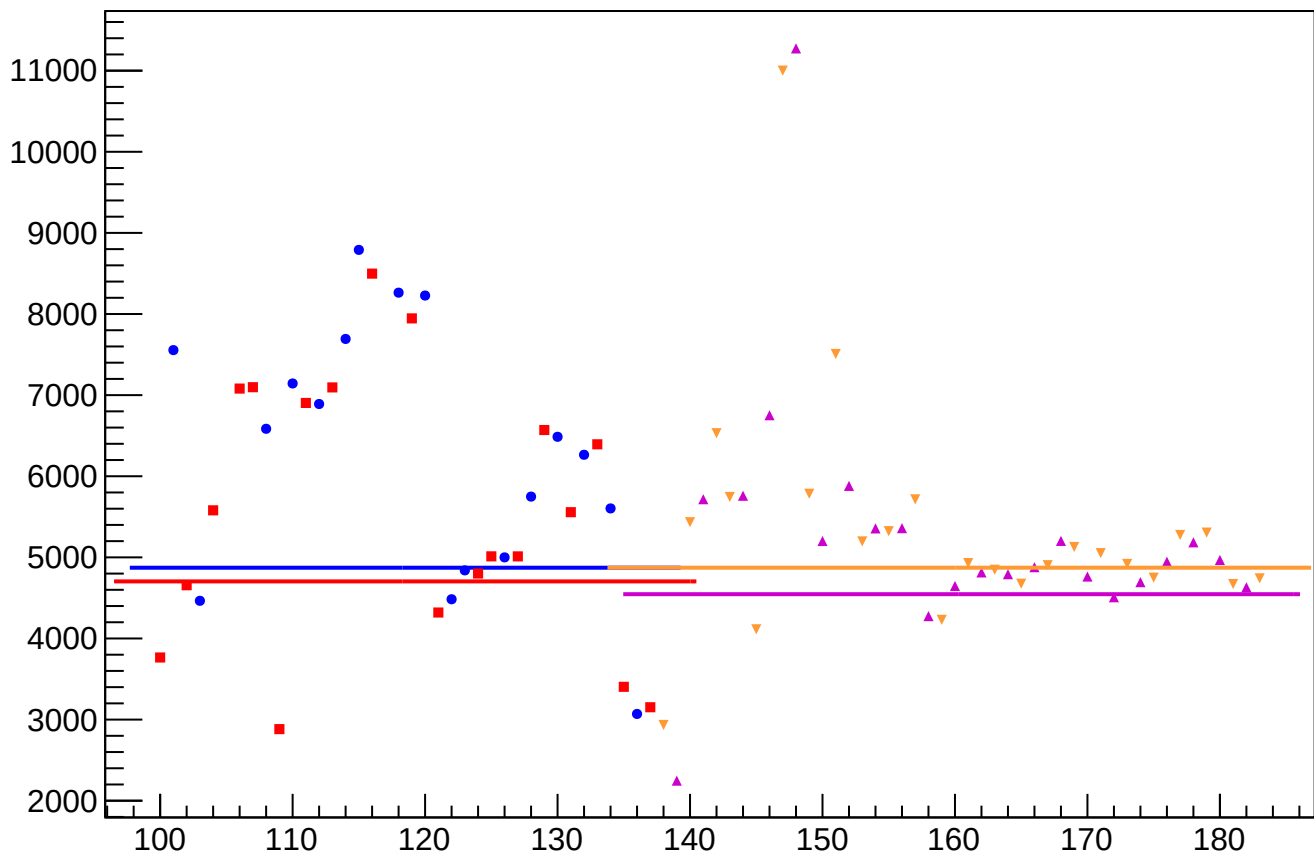
Left In: -0.897 ± 1.153 χ^2/NDF : 36.2/21

+ sign -1.217 ± 1.019 χ^2/NDF : 34.9/40

All: -0.900 ± 0.708 χ^2/NDF : 93.4/81

- sign -0.605 ± 0.985 χ^2/NDF : 58.3/40

diff_bpm12Y_rms vs Slug



Right In: 4872.339 $\pm$ 1.424 χ^2 /NDF: 1404599.6/16

Left Out: 4872.643 $\pm$ 0.835 χ^2 /NDF: 1509638.4/23

Right Out: 4703.667 $\pm$ 1.341 χ^2 /NDF: 1315659.7/18

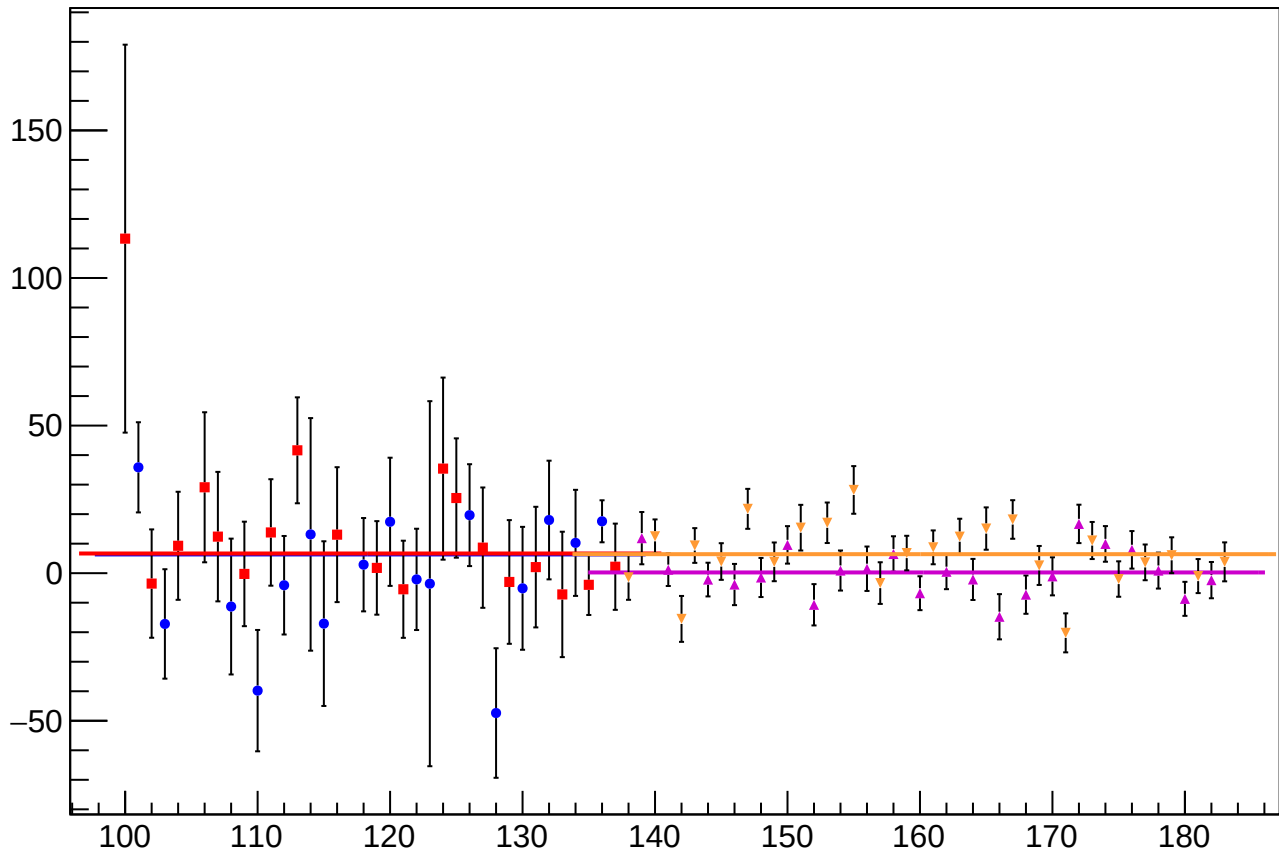
Left In: 4545.865 $\pm$ 0.815 χ^2 /NDF: 2634123.8/21

+ sign 4872.565 $\pm$ 0.720 χ^2 /NDF: 2914238.1/40

All: 4725.740 $\pm$ 0.501 χ^2 /NDF: 6954521.4/81

- sign 4588.434 $\pm$ 0.697 χ^2 /NDF: 3959891.7/40

diff_bpm16X_mean vs Slug



Right In: 6.348 ± 4.088 χ^2/NDF : 22.4/16

Left Out: 6.438 ± 1.320 χ^2/NDF : 55.7/23

Right Out: 6.668 ± 4.232 χ^2/NDF : 12.2/18

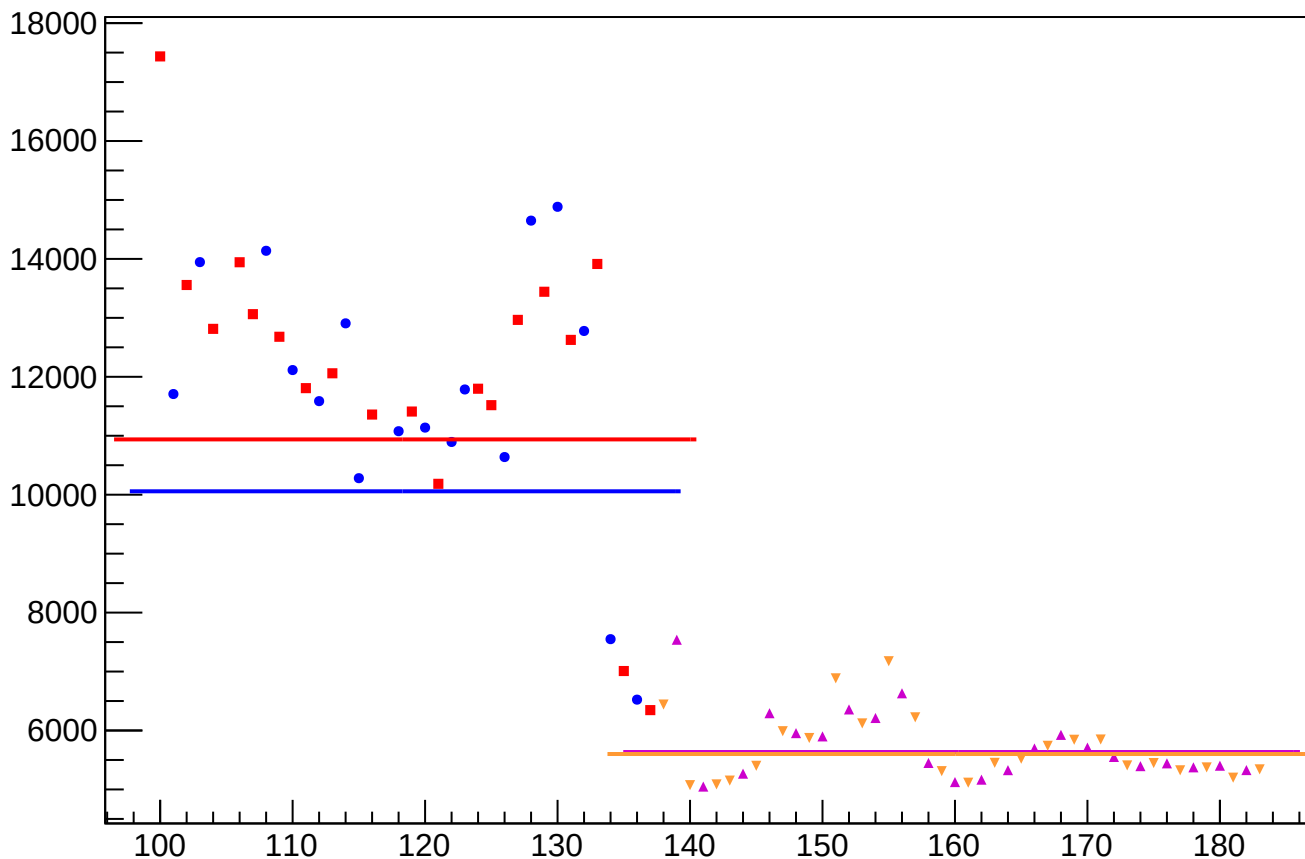
Left In: 0.248 ± 1.366 χ^2/NDF : 27.9/21

+ sign 6.430 ± 1.256 χ^2/NDF : 78.2/40

All: 3.737 ± 0.903 χ^2/NDF : 129.9/81

- sign 0.853 ± 1.300 χ^2/NDF : 42.2/40

diff_bpm16X_rms vs Slug



Right In: 10057.738 $\pm$ 2.891 χ^2 /NDF: 1007657.1/16

Left Out: 5601.145 $\pm$ 0.934 χ^2 /NDF: 282275.3/23

Right Out: 10938.028 $\pm$ 2.993 χ^2 /NDF: 764124.4/18

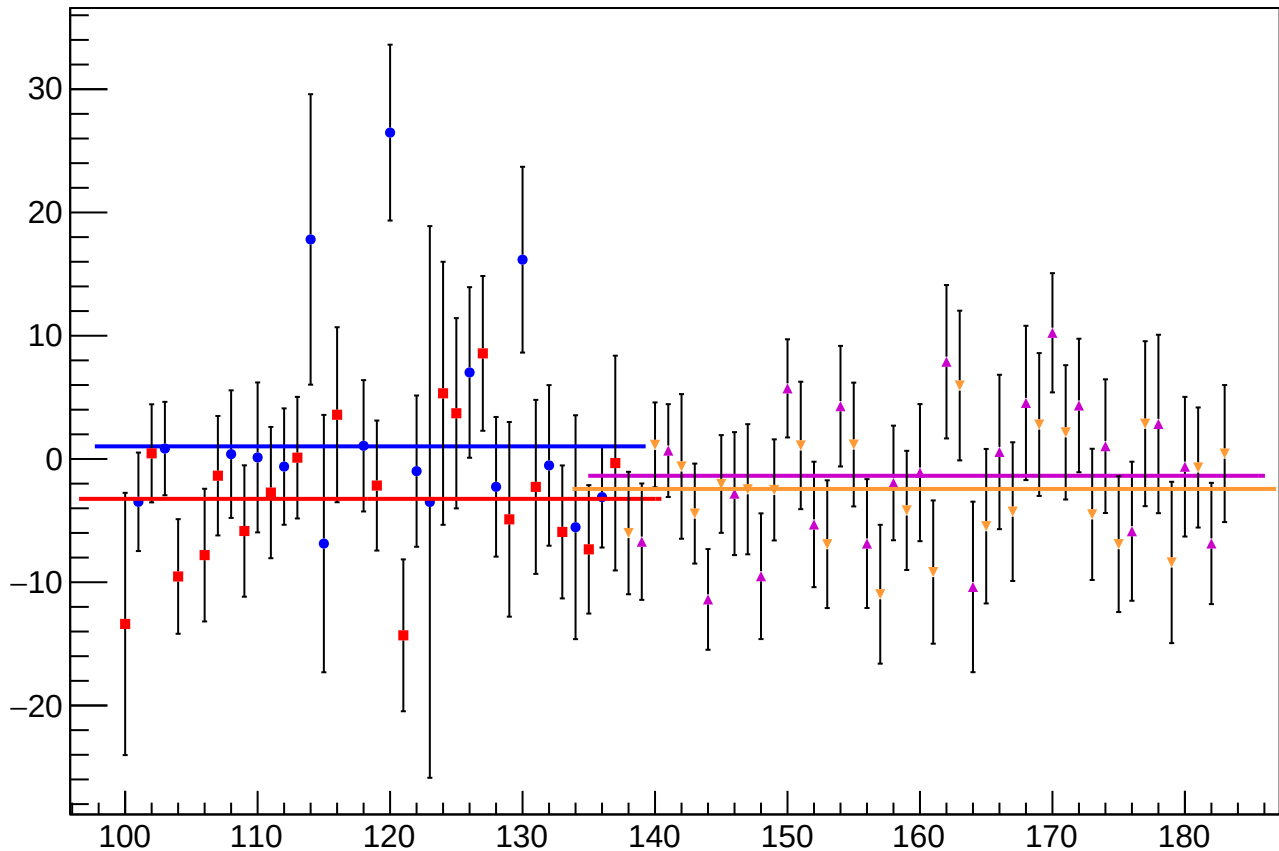
Left In: 5634.992 $\pm$ 0.966 χ^2 /NDF: 275983.1/21

+ sign 6021.976 $\pm$ 0.888 χ^2 /NDF: 3441888.2/40

All: 6076.757 $\pm$ 0.639 χ^2 /NDF: 7333533.3/83

- sign 6135.421 $\pm$ 0.919 χ^2 /NDF: 3883770.9/40

diff_bpm16Y_mean vs Slug



Right In: 1.024 ± 1.405 χ^2/NDF : 23.6/16

Left Out: -2.430 ± 1.038 χ^2/NDF : 13.9/23

Right Out: -3.235 ± 1.336 χ^2/NDF : 15.4/18

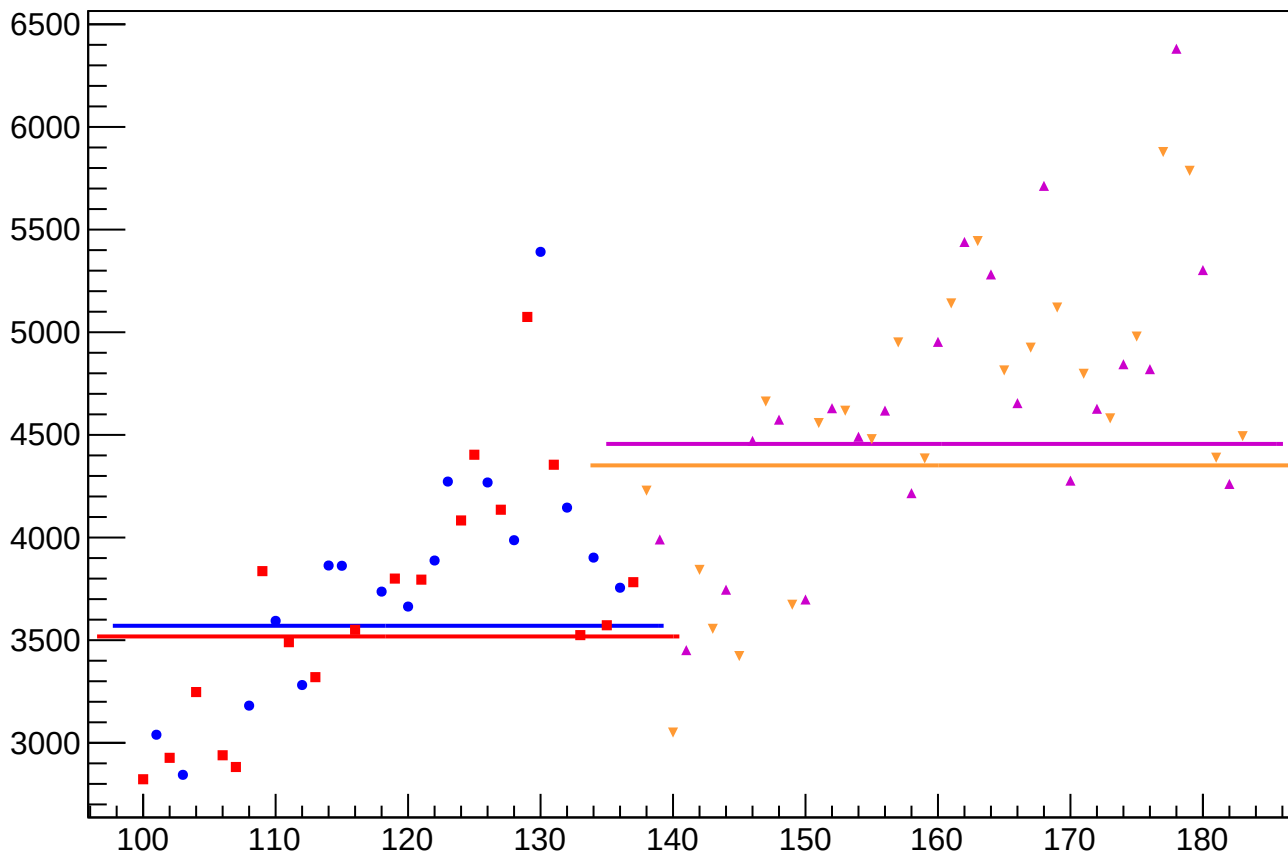
Left In: -1.363 ± 1.088 χ^2/NDF : 30.7/21

+ sign -1.211 ± 0.835 χ^2/NDF : 41.4/40

All: -1.656 ± 0.594 χ^2/NDF : 89.2/81

- sign -2.110 ± 0.844 χ^2/NDF : 47.2/40

diff_bpm16Y_rms vs Slug



Right In: 3570.193 ± 0.994 $\chi^2/\text{NDF}: 310317.2/16$

Left Out: 4351.469 ± 0.734 $\chi^2/\text{NDF}: 996474.5/23$

Right Out: 3518.219 ± 0.944 $\chi^2/\text{NDF}: 296342.1/18$

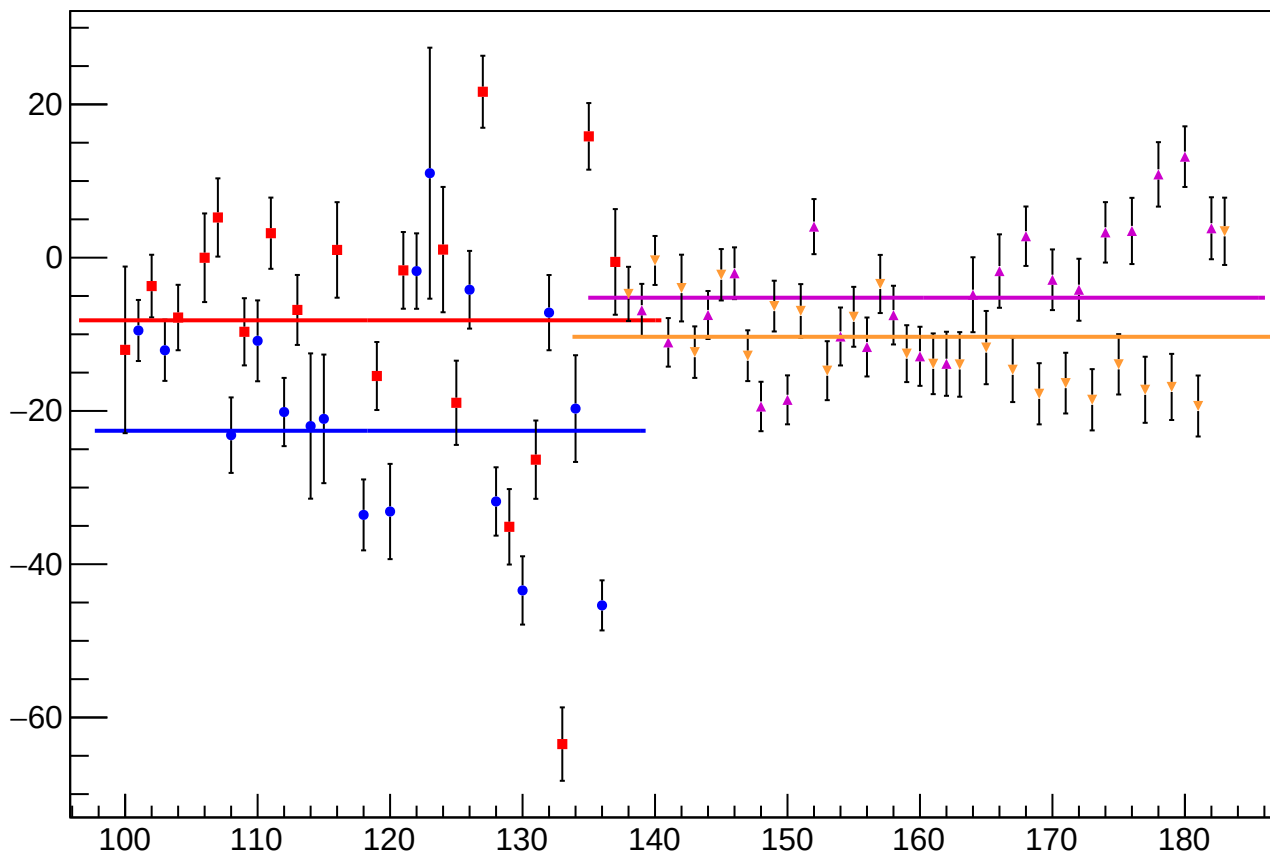
Left In: 4456.048 ± 0.770 $\chi^2/\text{NDF}: 694921.0/21$

+ sign 4075.667 ± 0.590 $\chi^2/\text{NDF}: 1706730.1/40$

All: 4078.702 ± 0.420 $\chi^2/\text{NDF}: 3290533.4/81$

- sign 4081.802 ± 0.597 $\chi^2/\text{NDF}: 1583749.9/40$

diff_bpm0l01X_mean vs Slug



Right In: -22.588 ± 1.203 χ^2/NDF : 151.6/16

Left Out: -10.326 ± 0.780 χ^2/NDF : 62.3/23

Right Out: -8.176 ± 1.159 χ^2/NDF : 275.9/18

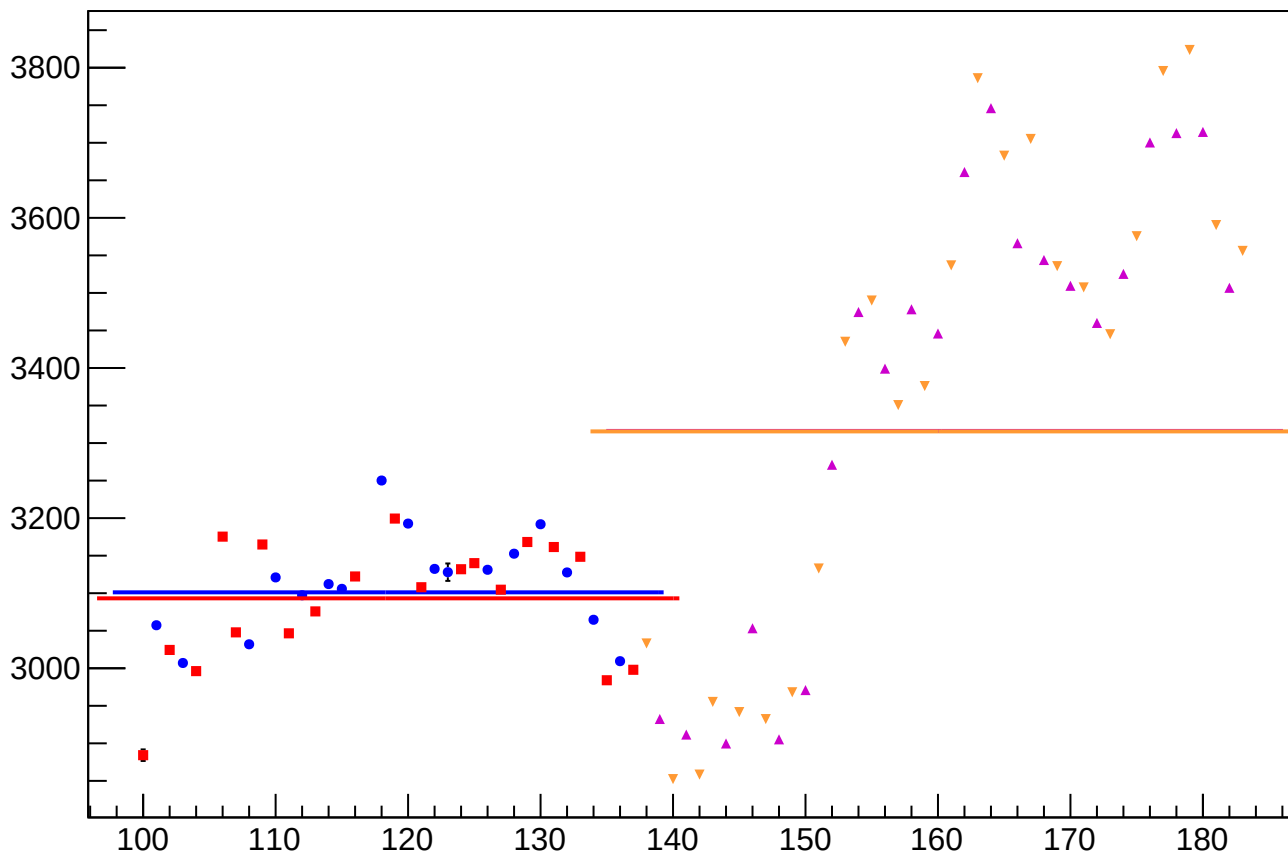
Left In: -5.227 ± 0.803 χ^2/NDF : 116.9/21

+ sign -13.957 ± 0.654 χ^2/NDF : 287.0/40

All: -10.102 ± 0.465 χ^2/NDF : 754.2/81

- sign -6.183 ± 0.660 χ^2/NDF : 397.2/40

diff_bpm0l01X_rms vs Slug



Right In: 3101.155+/-0.850 χ^2/NDF : 7225.5/16

Left Out: 3315.543+/-0.552 χ^2/NDF : 335230.3/23

Right Out: 3093.153+/-0.819 χ^2/NDF : 7805.1/18

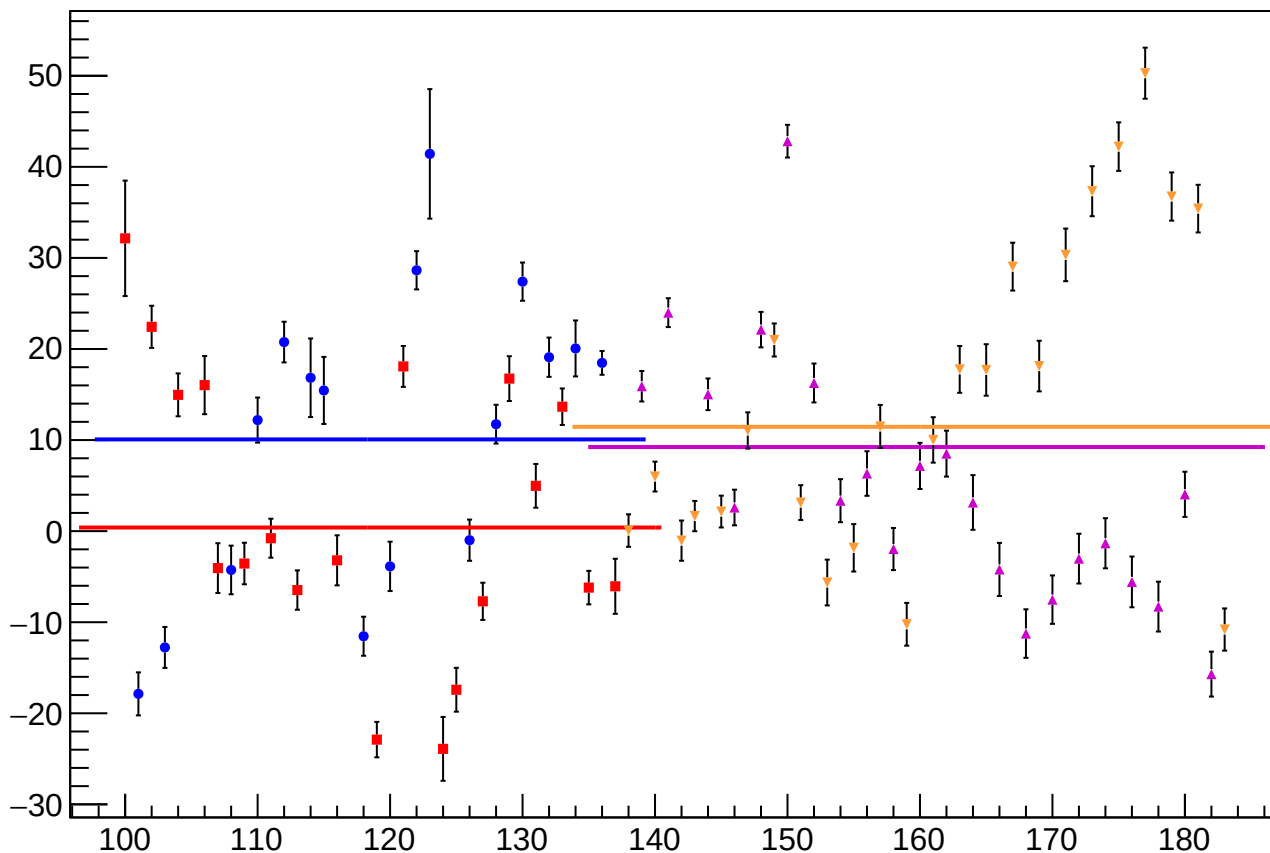
Left In: 3316.150+/-0.568 χ^2/NDF : 284049.6/21

+ sign 3252.057+/-0.463 χ^2/NDF : 387193.8/40

All: 3247.983+/-0.329 χ^2/NDF : 729247.8/81

- sign 3243.841+/-0.467 χ^2/NDF : 341897.7/40

diff_bpm0l01Y_mean vs Slug



Right In: 10.071 $\pm$ 0.563 χ^2 /NDF: 688.1/16

Left Out: 11.453 $\pm$ 0.457 χ^2 /NDF:1137.2/23

Right Out: 0.397 $\pm$ 0.548 χ^2 /NDF: 629.0/18

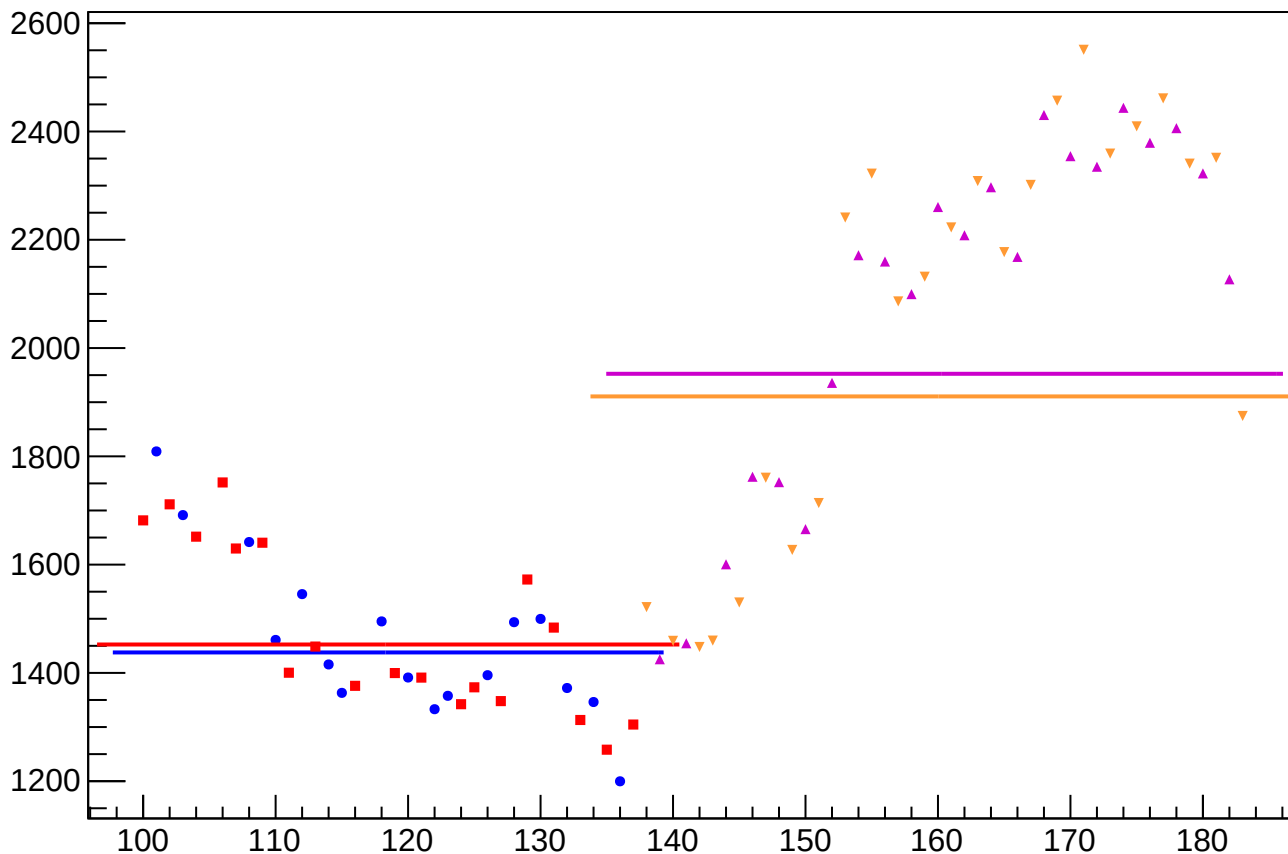
Left In: 9.234 $\pm$ 0.479 χ^2 /NDF:896.5/21

+ sign 10.903 $\pm$ 0.355 χ^2 /NDF: 1829.0/40

All: 8.199 $\pm$ 0.253 χ^2 /NDF: 3619.9/81

- sign 5.403 $\pm$ 0.361 χ^2 /NDF: 1672.8/40

diff_bpm0l01Y_rms vs Slug



Right In: 1437.799 $\pm$ 0.398 χ^2 /NDF: 173192.9/16

Left Out: 1910.680 $\pm$ 0.323 χ^2 /NDF:1399133.9/23

Right Out: 1452.461 $\pm$ 0.387 χ^2 /NDF: 138487.1/18

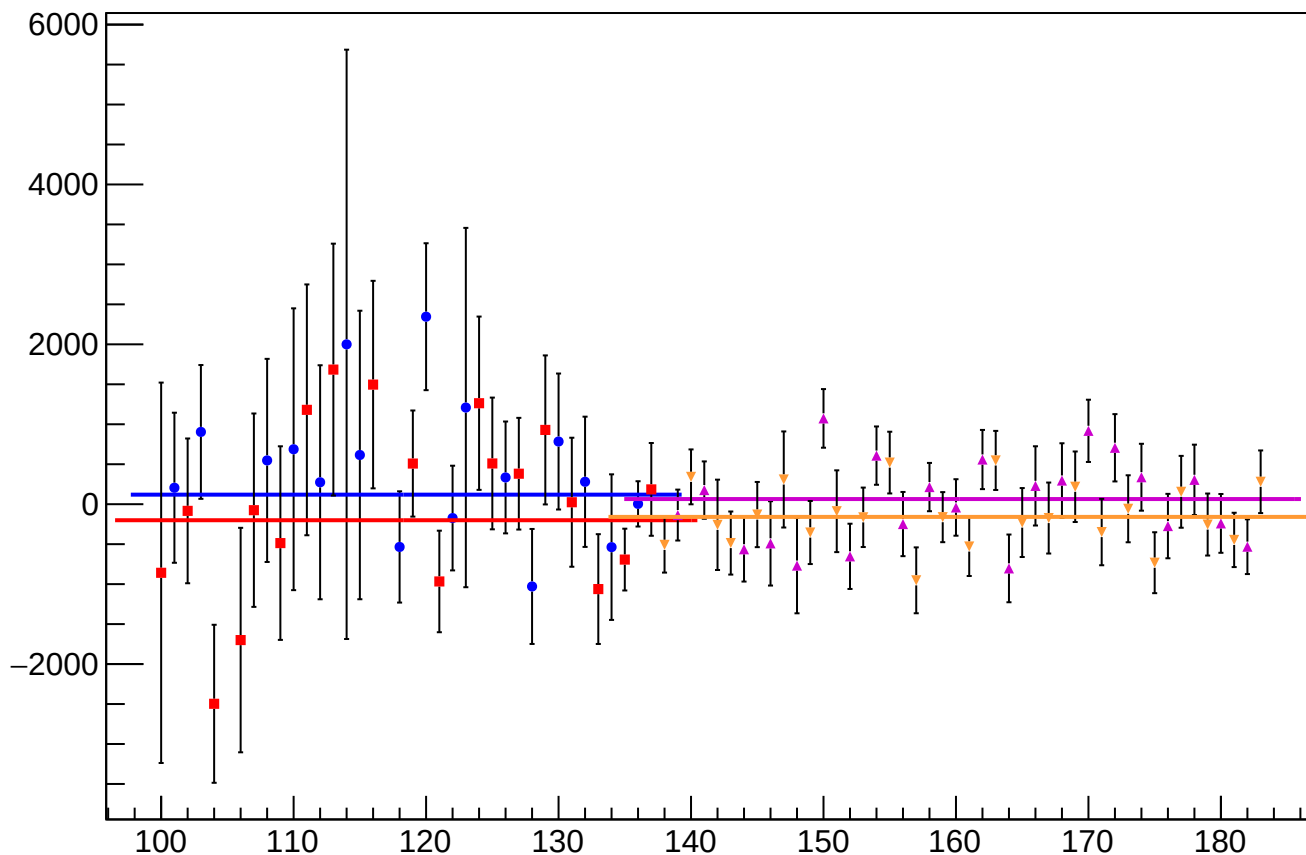
Left In: 1952.457 $\pm$ 0.339 χ^2 /NDF:1065316.9/21

+ sign 1722.609 $\pm$ 0.251 χ^2 /NDF: 2423143.8/40

All: 1729.034 $\pm$ 0.179 χ^2 /NDF: 4571580.8/83

- sign 1735.675 $\pm$ 0.255 χ^2 /NDF: 2147103.7/40

asym_sam1_mean vs Slug



Right In: 119.363+/-180.601 χ^2/NDF : 12.6/16

Left Out: -158.902+/-81.435 χ^2/NDF : 22.0/23

Right Out: -200.642+/-184.789 χ^2/NDF : 21.7/18

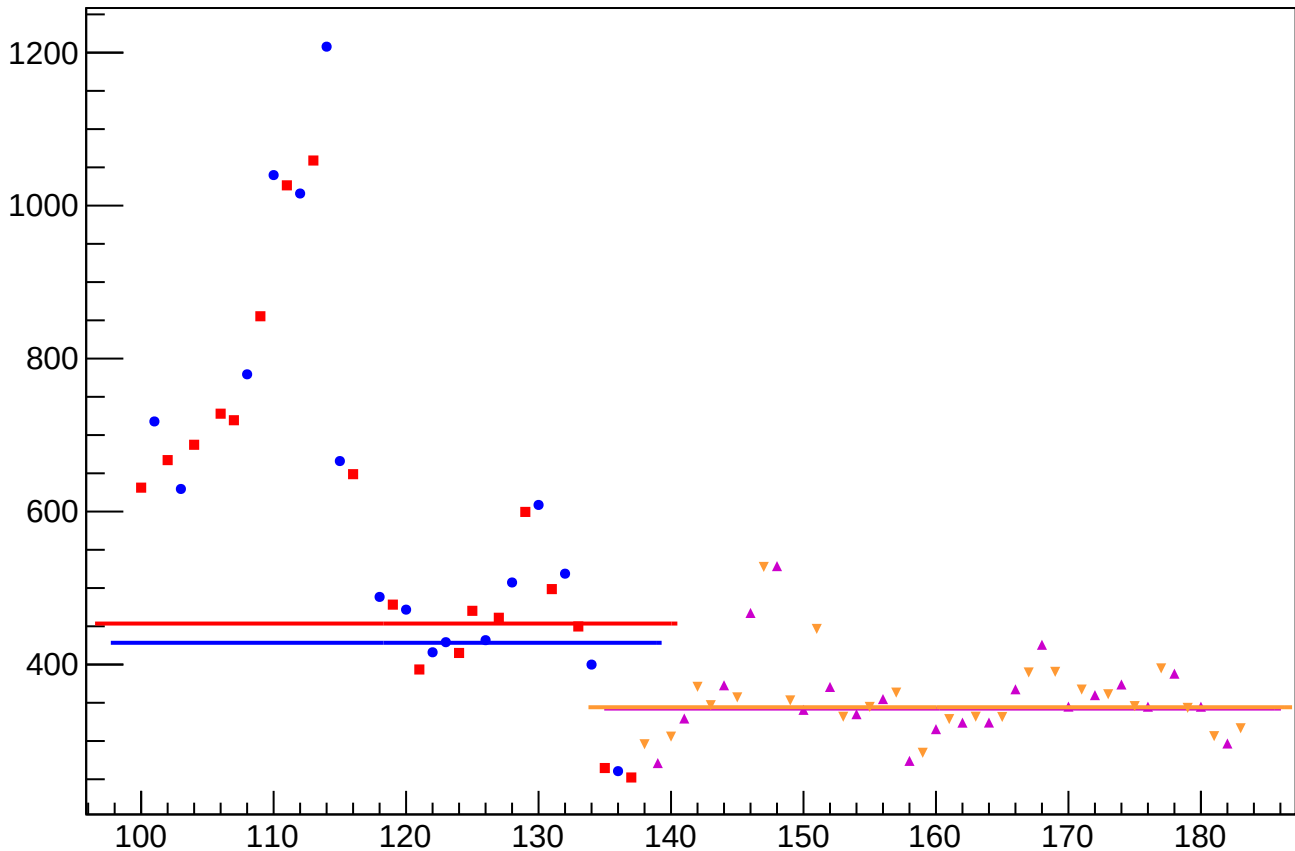
Left In: 64.356+/-83.626 χ^2/NDF : 38.4/21

+ sign -111.884+/-74.237 χ^2/NDF : 36.6/40

All: -47.988+/-53.170 χ^2/NDF : 99.9/81

- sign 19.310+/-76.188 χ^2/NDF : 61.7/40

asym_sam1_rms vs Slug



Right In: 428.425+/-0.128 χ^2/NDF : 2006981.5/16

Left Out: 344.162+/-0.058 χ^2/NDF : 536999.5/23

Right Out: 453.578+/-0.131 χ^2/NDF : 2032377.4/18

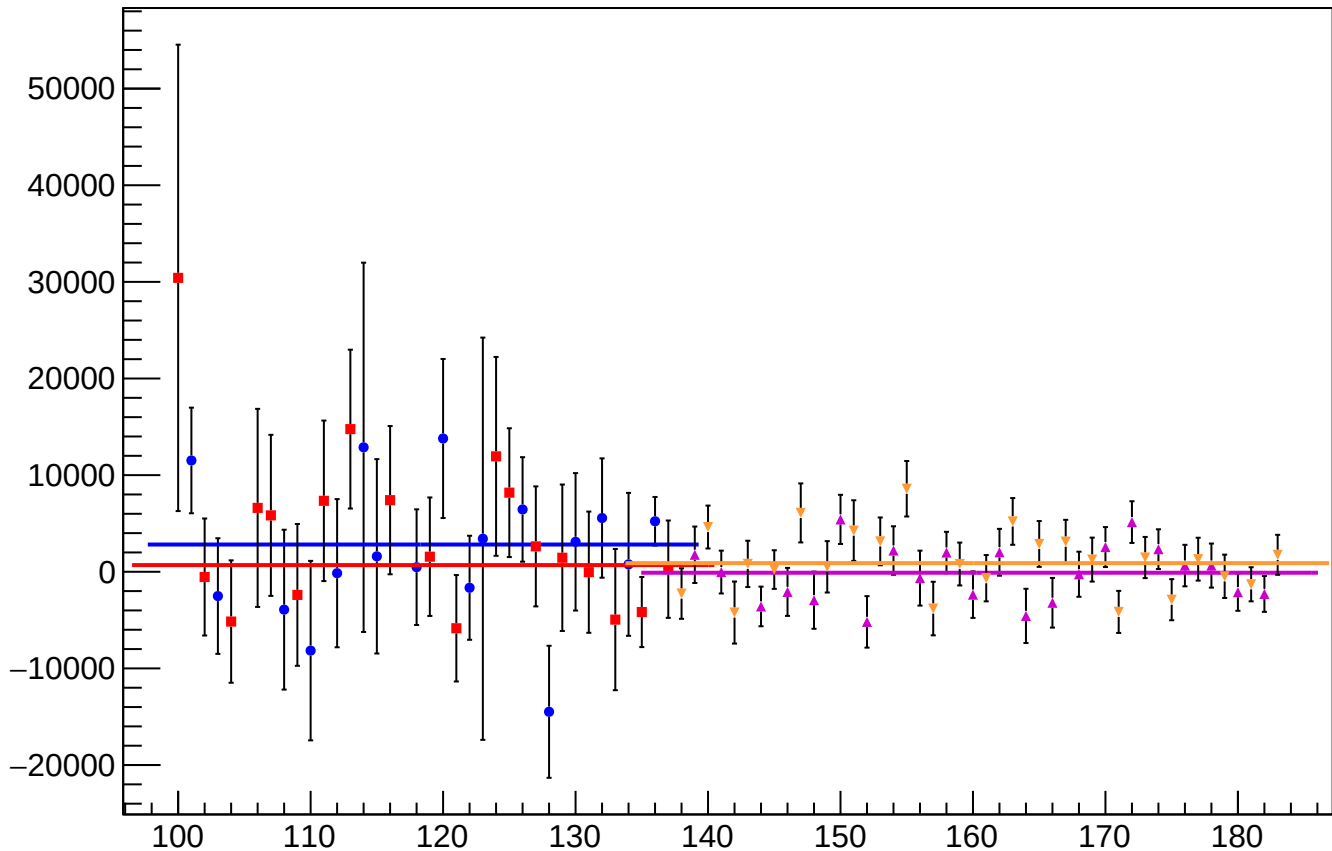
Left In: 342.410+/-0.059 χ^2/NDF : 697504.4/21

+ sign 358.399+/-0.052 χ^2/NDF : 2905792.4/40

All: 359.816+/-0.038 χ^2/NDF : 6237961.8/81

- sign 361.307+/-0.054 χ^2/NDF : 3330675.3/40

asym_sam2_mean vs Slug



Right In: 2819.632 ± 1450.791 χ^2/NDF : 16.5/16

Left Out: 893.996 ± 478.803 χ^2/NDF : 37.9/23

Right Out: 691.793 ± 1512.621 χ^2/NDF : 14.0/18

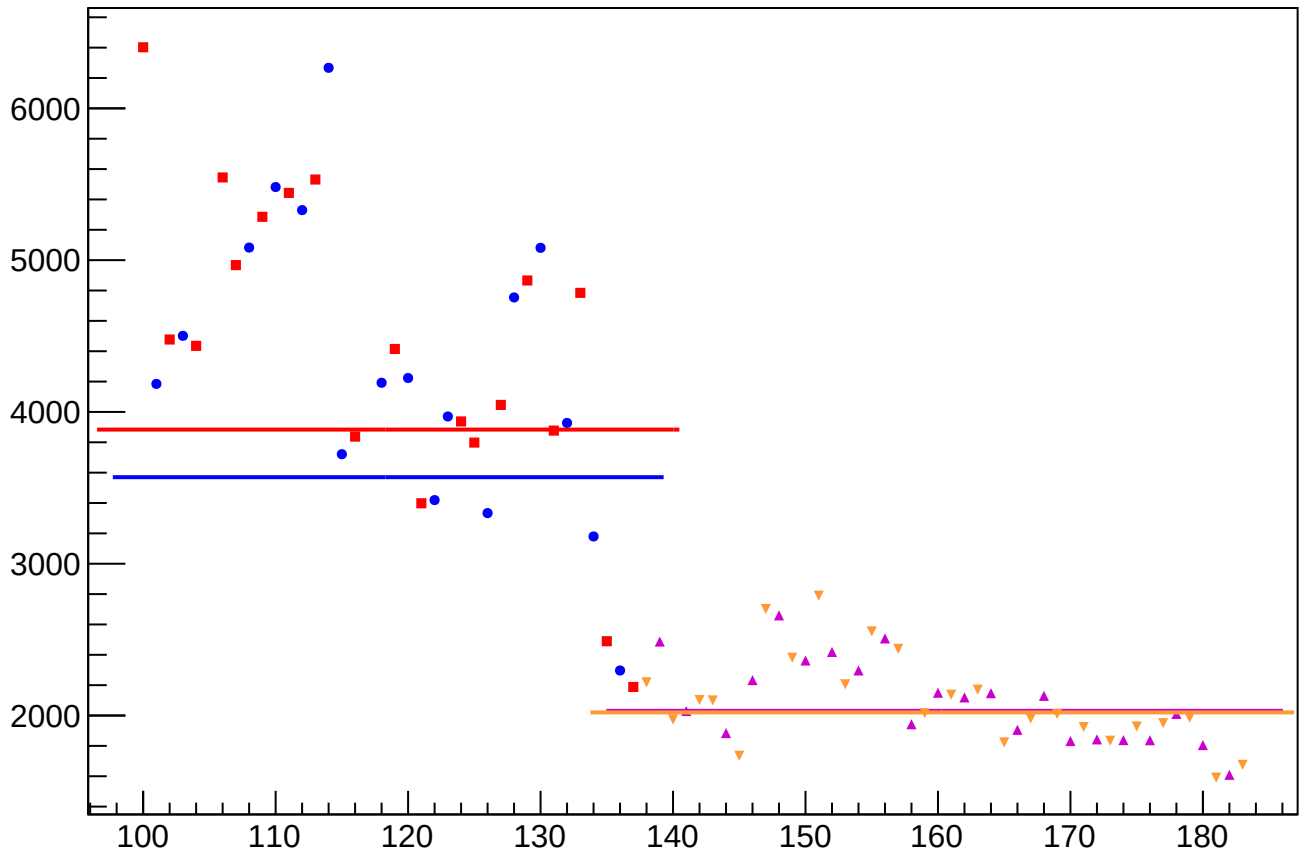
Left In: -99.895 ± 494.475 χ^2/NDF : 32.4/21

+ sign 1083.134 ± 454.681 χ^2/NDF : 56.1/40

All: 548.164 ± 326.789 χ^2/NDF : 105.6/81

- sign -23.460 ± 469.999 χ^2/NDF : 46.7/40

asym_sam2_rms vs Slug



Right In: 3570.185 $\pm$ 1.026 χ^2 /NDF: 1087907.4/16

Left Out: 2020.395 $\pm$ 0.339 χ^2 /NDF: 666045.6/23

Right Out: 3883.722 $\pm$ 1.070 χ^2 /NDF: 984493.3/18

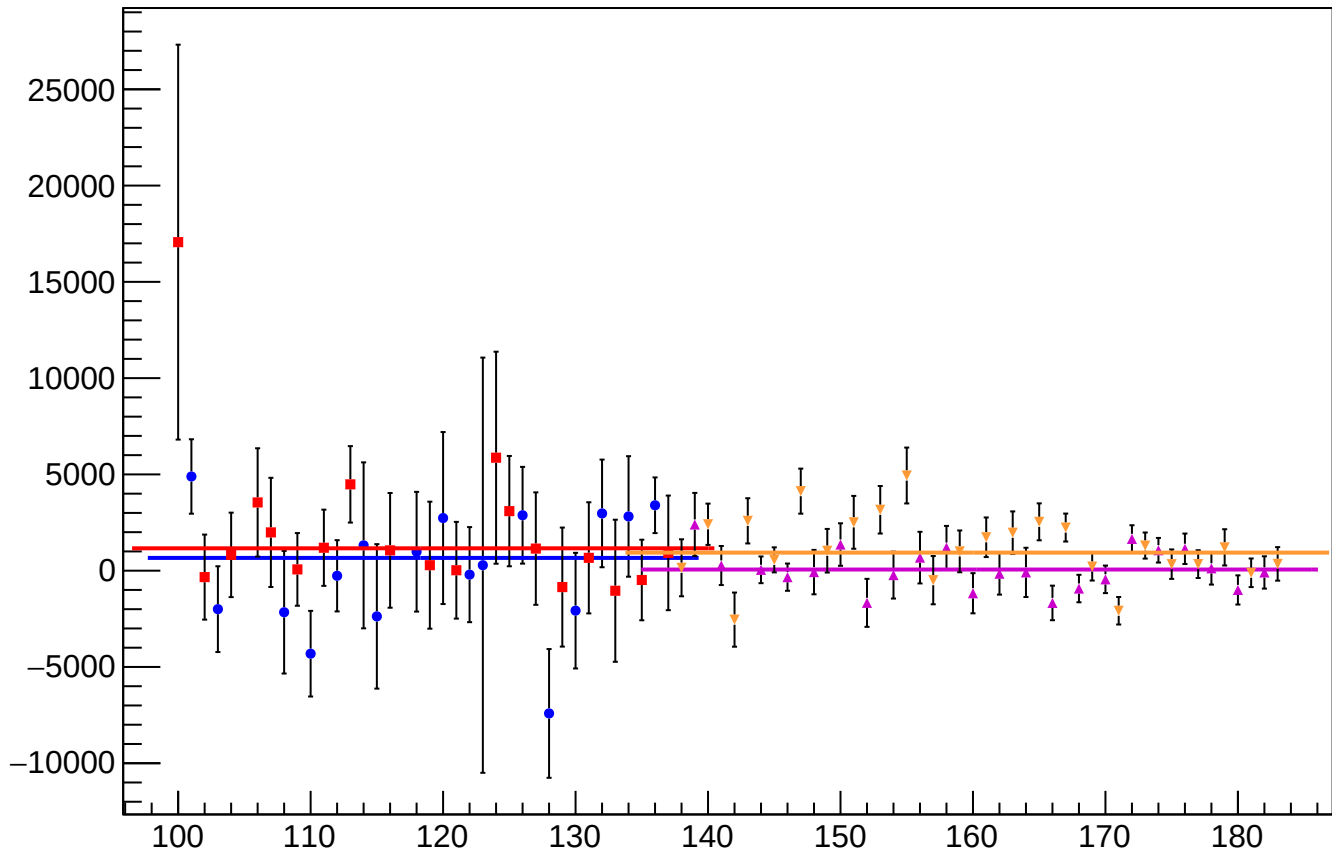
Left In: 2030.803 $\pm$ 0.350 χ^2 /NDF: 538875.3/21

+ sign 2172.617 $\pm$ 0.322 χ^2 /NDF: 3812051.1/40

All: 2190.542 $\pm$ 0.231 χ^2 /NDF: 8053217.9/81

- sign 2209.695 $\pm$ 0.332 χ^2 /NDF: 4234737.2/40

asym_sam3_mean vs Slug



Right In: 663.409 ± 622.512 χ^2/NDF : 25.5/16

Left Out: 938.215 ± 188.135 χ^2/NDF : 62.0/23

Right Out: 1162.350 ± 604.350 χ^2/NDF : 9.7/18

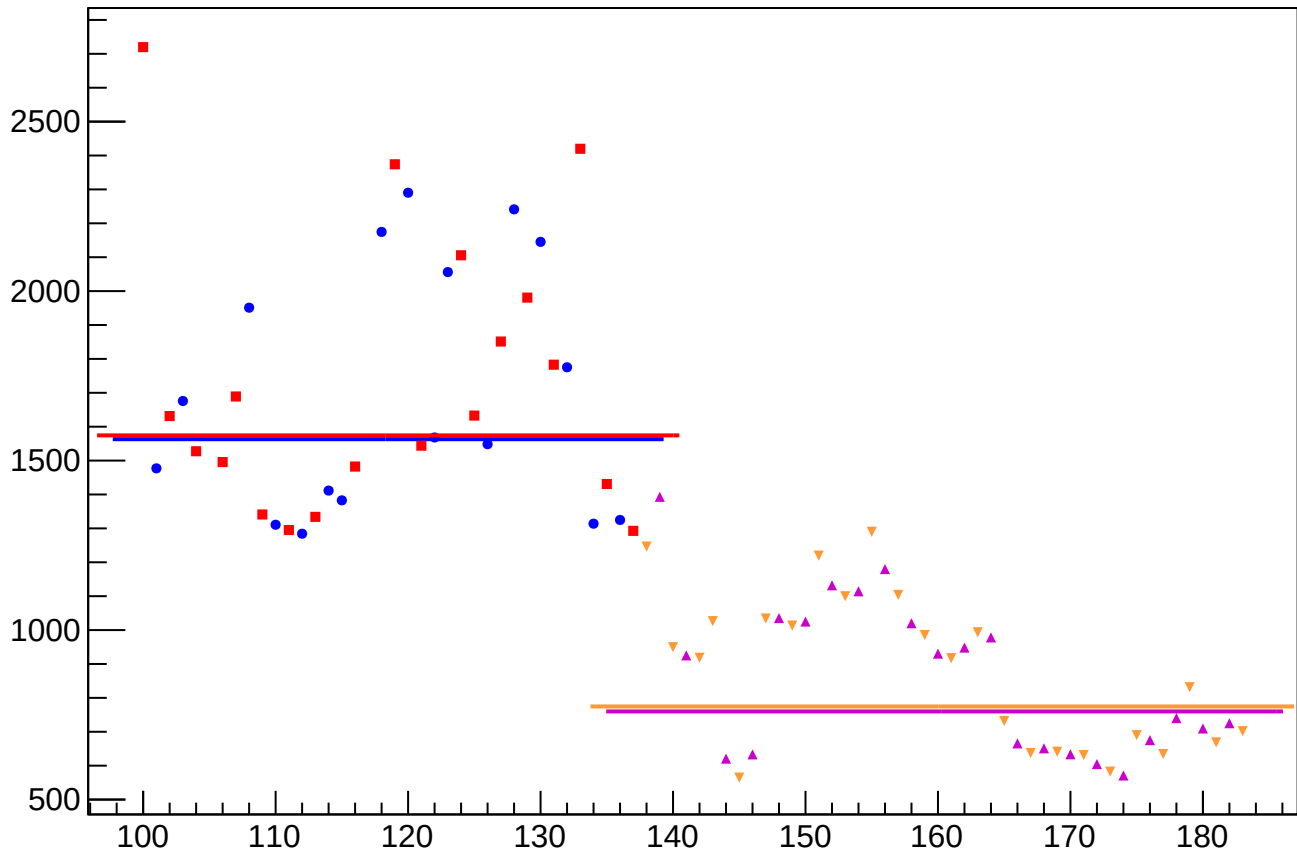
Left In: 60.129 ± 189.695 χ^2/NDF : 25.9/21

+ sign 915.216 ± 180.090 χ^2/NDF : 87.6/40

All: 538.982 ± 127.660 χ^2/NDF : 135.1/81

- sign 158.983 ± 180.989 χ^2/NDF : 38.7/40

asym_sam3_rms vs Slug



Right In: 1563.098 $\pm$ 0.440 χ^2 /NDF: 487653.4/16

Left Out: 774.666 $\pm$ 0.133 χ^2 /NDF: 2243444.3/23

Right Out: 1574.361 $\pm$ 0.427 χ^2 /NDF: 466428.6/18

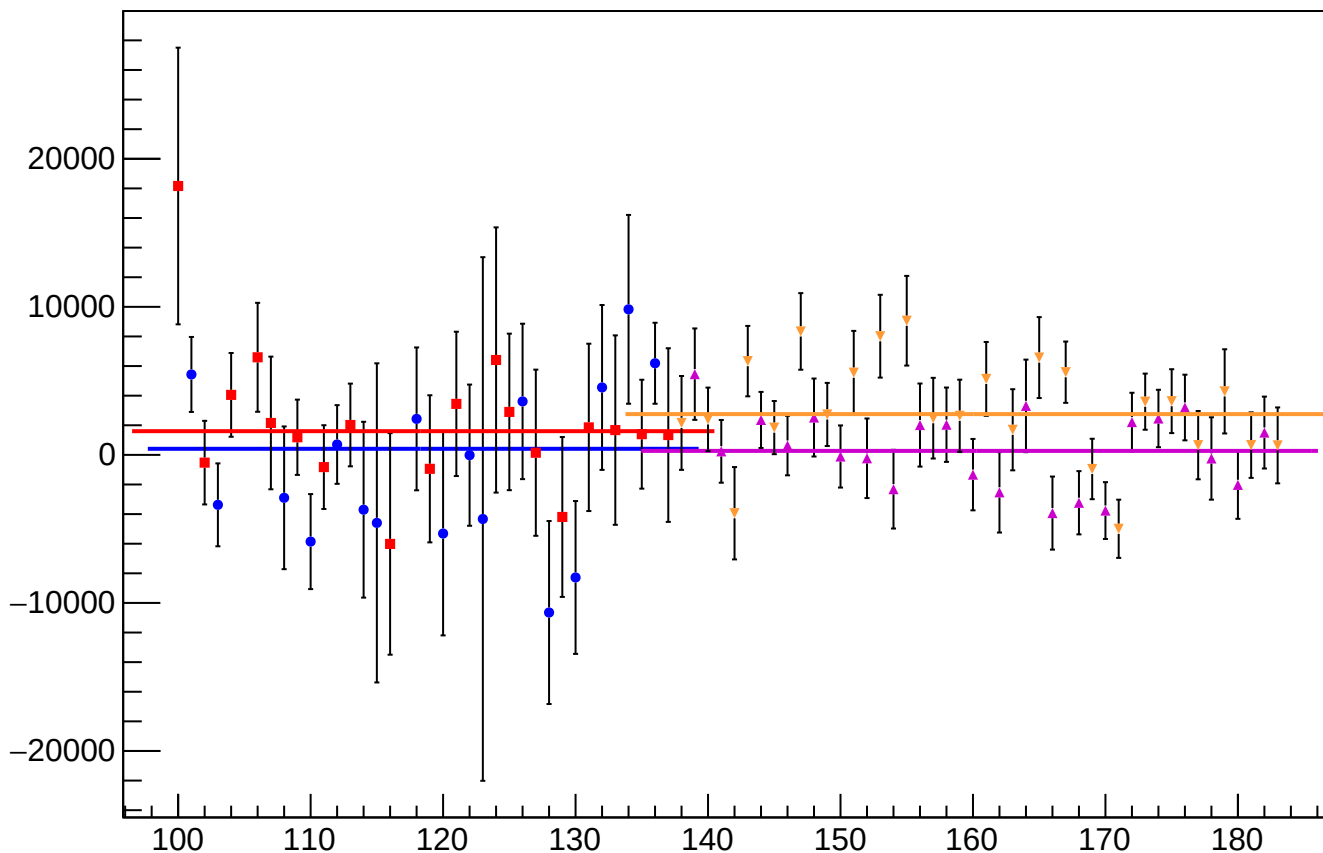
Left In: 759.940 $\pm$ 0.134 χ^2 /NDF: 1986174.6/21

+ sign 840.652 $\pm$ 0.127 χ^2 /NDF: 5670809.5/40

All: 836.836 $\pm$ 0.090 χ^2 /NDF: 11431505.8/83

- sign 832.983 $\pm$ 0.128 χ^2 /NDF: 5758892.0/40

asym_sam4_mean vs Slug



Right In: 411.092 ± 998.047 χ^2/NDF : 25.3/16

Left Out: 2753.736 ± 484.405 χ^2/NDF : 47.5/23

Right Out: 1601.073 ± 925.777 χ^2/NDF : 10.1/18

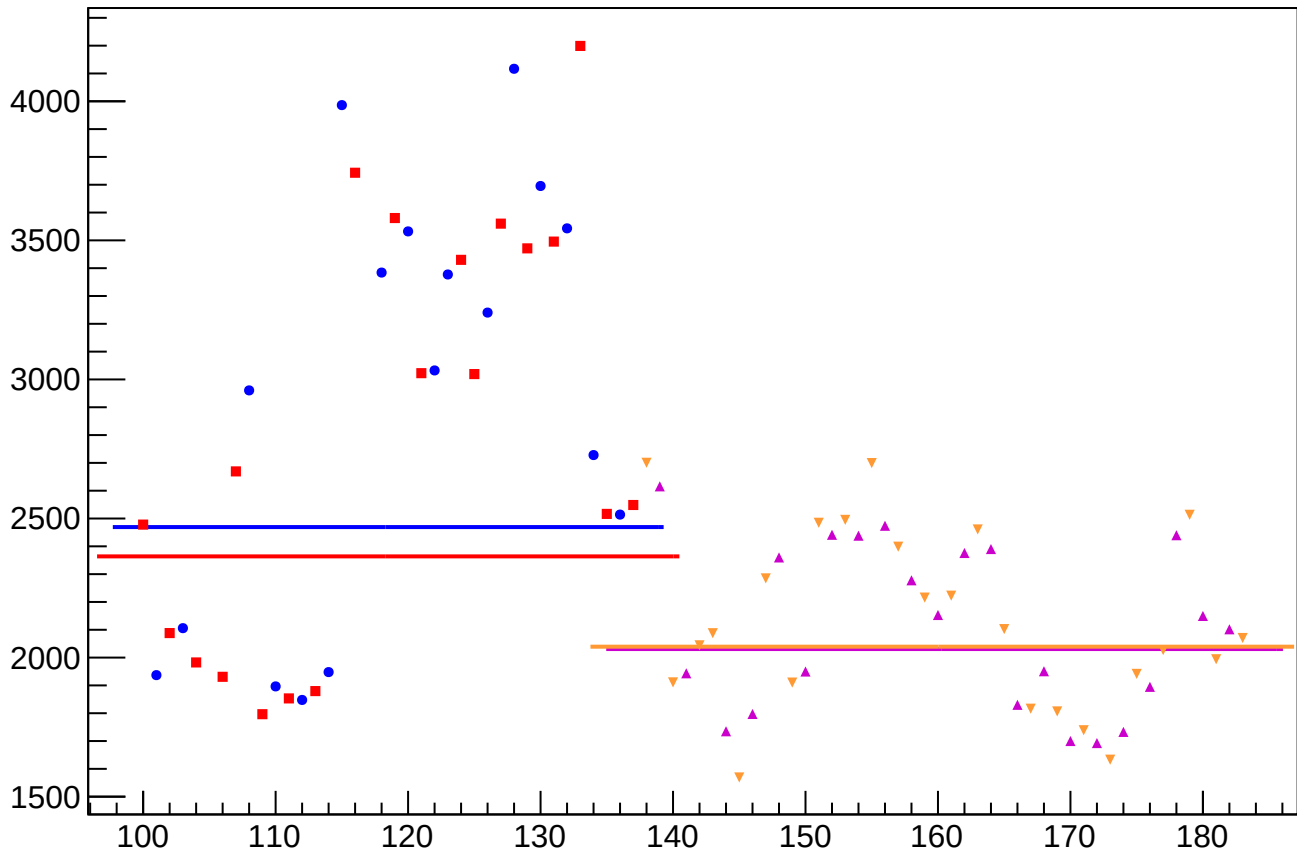
Left In: 269.515 ± 495.766 χ^2/NDF : 24.4/21

+ sign 2307.098 ± 435.788 χ^2/NDF : 77.2/40

All: 1439.189 ± 308.592 χ^2/NDF : 121.4/81

- sign 566.270 ± 437.044 χ^2/NDF : 36.1/40

asym_sam4_rms vs Slug



Right In: 2469.233+/-0.706 χ^2/NDF : 900151.2/16

Left Out: 2039.200+/-0.343 χ^2/NDF : 808668.7/23

Right Out: 2363.845+/-0.655 χ^2/NDF : 1026234.8/18

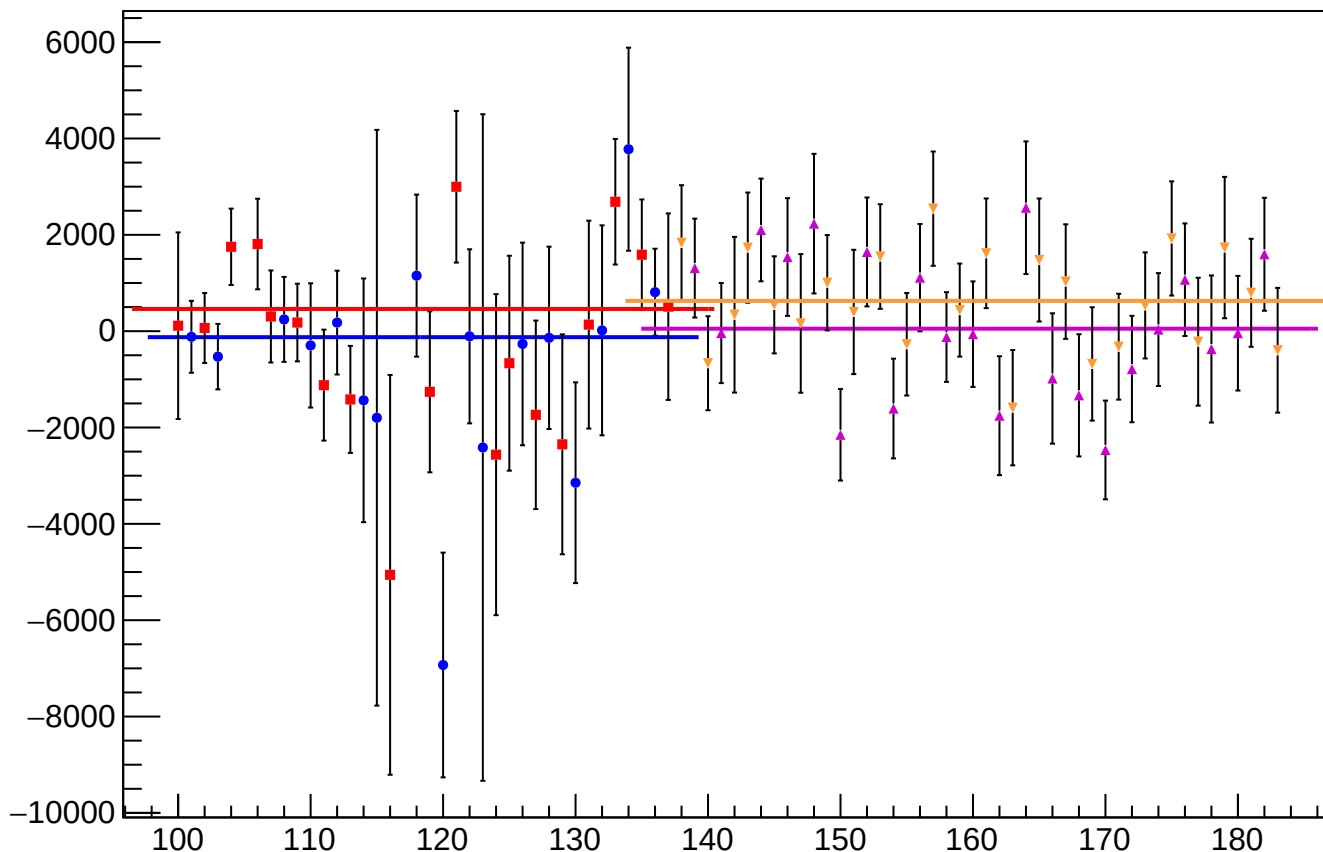
Left In: 2030.723+/-0.351 χ^2/NDF : 650712.8/21

+ sign 2121.188+/-0.308 χ^2/NDF : 2009334.2/40

All: 2113.099+/-0.218 χ^2/NDF : 3888907.4/81

- sign 2104.963+/-0.309 χ^2/NDF : 1878191.1/40

asym_sam5_mean vs Slug



Right In: -124.338 ± 313.734 χ^2/NDF : 16.8/16

Left Out: 628.081 ± 236.995 χ^2/NDF : 17.7/23

Right Out: 461.203 ± 283.135 χ^2/NDF : 23.1/18

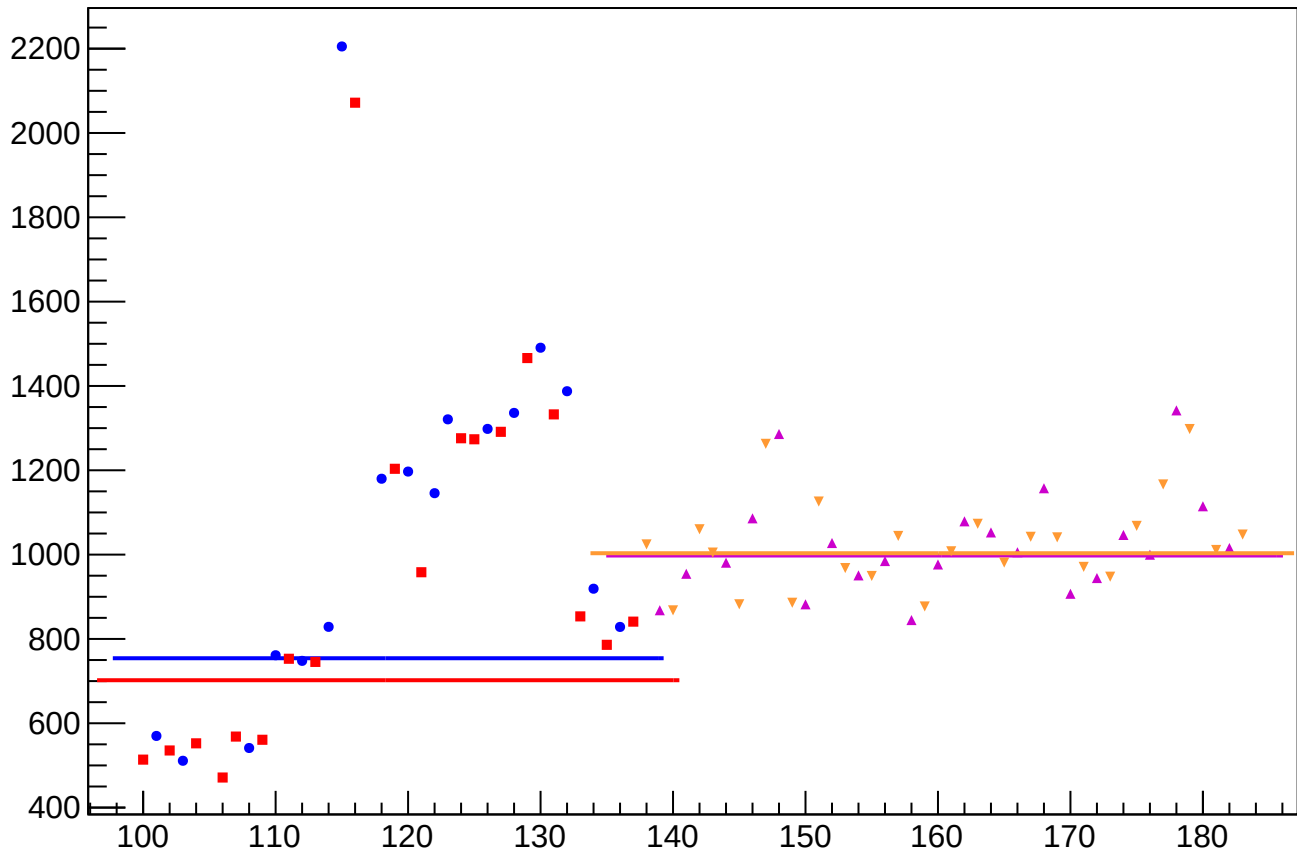
Left In: 51.497 ± 242.788 χ^2/NDF : 36.3/21

+ sign 354.718 ± 189.105 χ^2/NDF : 38.1/40

All: 288.245 ± 131.988 χ^2/NDF : 98.9/81

- sign 225.103 ± 184.306 χ^2/NDF : 60.6/40

asym_sam5_rms vs Slug



Right In: 754.219 $\pm$ 0.222 χ^2 /NDF: 1689131.5/16

Left Out: 1003.300 $\pm$ 0.168 χ^2 /NDF:363313.2/23

+ sign 912.805 $\pm$ 0.134 χ^2 /NDF: 2855069.2/40

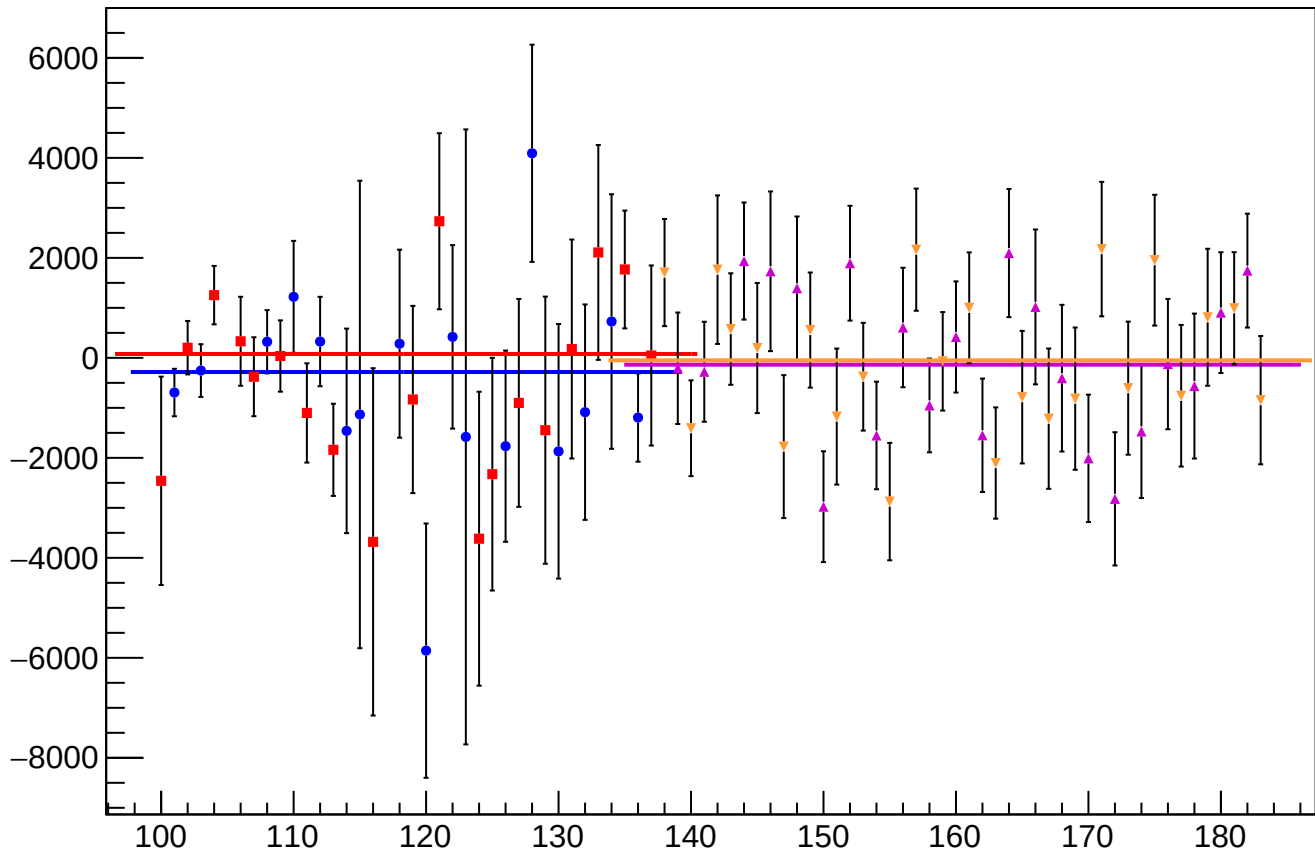
Right Out: 702.074 $\pm$ 0.200 χ^2 /NDF: 1689098.6/18

All: 892.149 $\pm$ 0.093 χ^2 /NDF: 6253138.5/81

- sign 872.528 $\pm$ 0.130 χ^2 /NDF: 3351538.9/40

Left In: 997.864 $\pm$ 0.172 χ^2 /NDF:404583.6/21

asym_sam6_mean vs Slug



Right In: -283.172+/-250.683 χ^2/NDF : 15.8/16

Left Out: -49.430+/-248.417 χ^2/NDF : 30.9/23

Right Out: 77.591+/-246.211 χ^2/NDF : 21.6/18

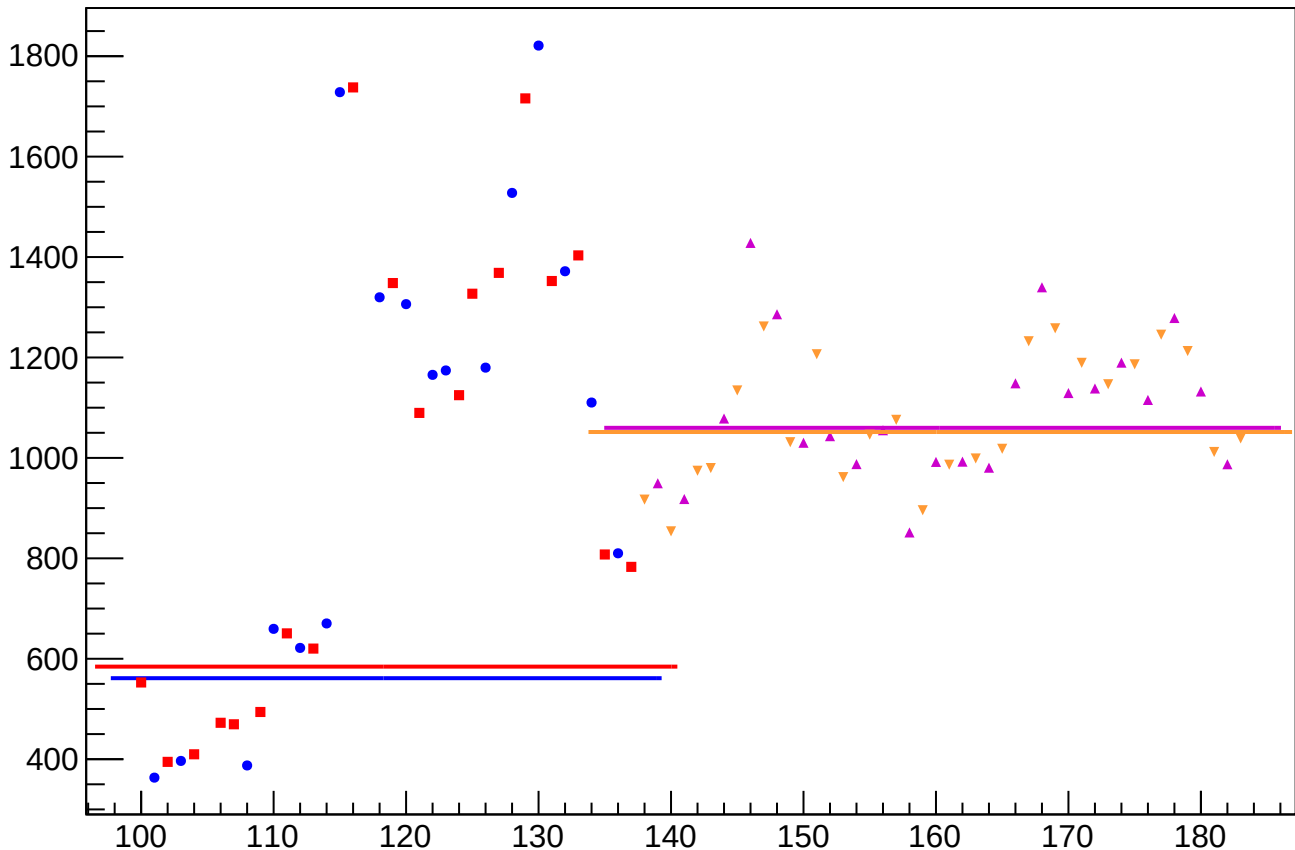
Left In: -136.185+/-257.983 χ^2/NDF : 34.4/21

+ sign -165.239+/-176.453 χ^2/NDF : 47.1/40

All: -95.434+/-125.354 χ^2/NDF : 103.8/81

- sign -24.308+/-178.114 χ^2/NDF : 56.4/40

asym_sam6_rms vs Slug



Right In: 561.319 $\pm$ 0.177 χ^2 /NDF: 3211255.9/16

Left Out: 1051.586 $\pm$ 0.176 χ^2 /NDF:481292.0/23

Right Out: 584.345 $\pm$ 0.174 χ^2 /NDF: 2813611.9/18

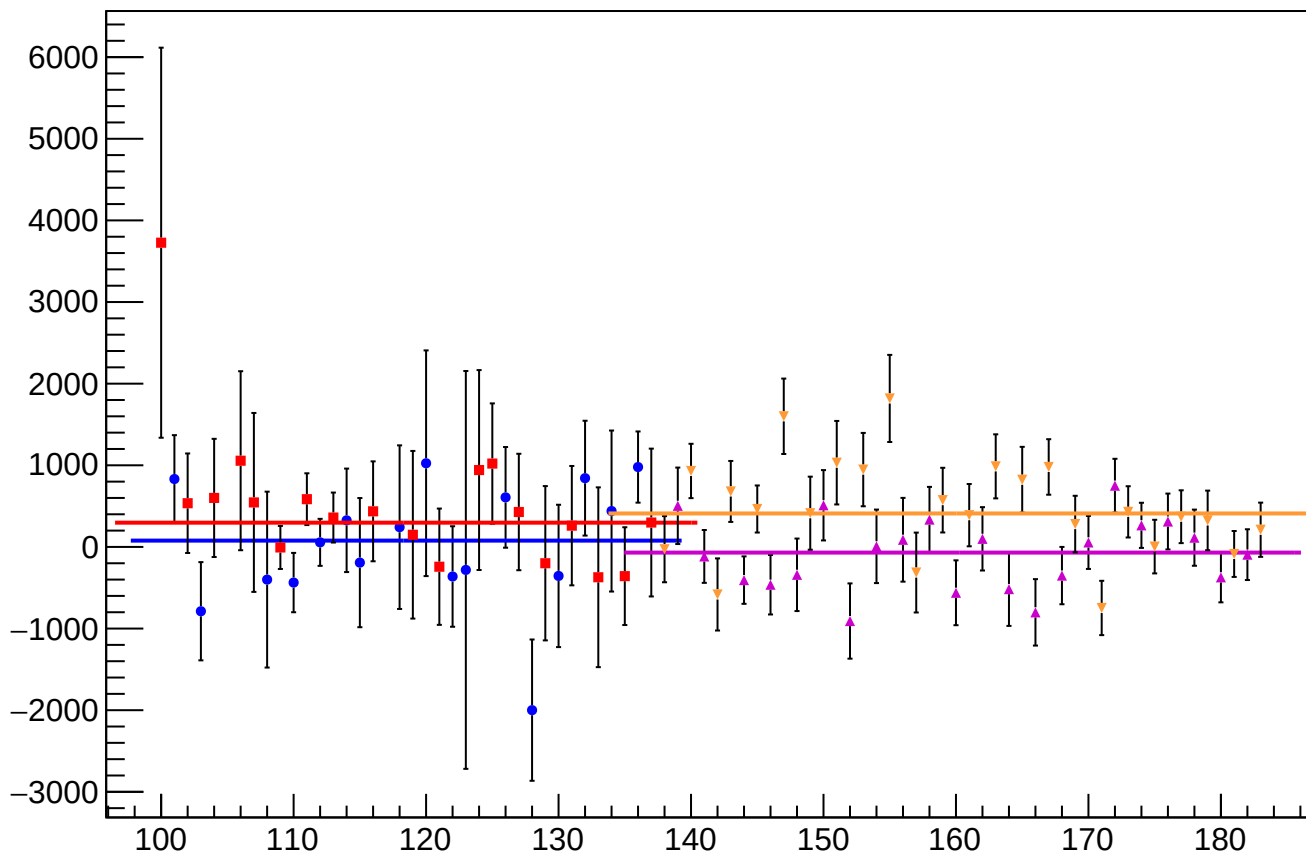
Left In: 1059.903 $\pm$ 0.182 χ^2 /NDF:523635.6/21

+ sign 808.678 $\pm$ 0.125 χ^2 /NDF: 7552136.7/40

All: 809.841 $\pm$ 0.089 χ^2 /NDF: 14446165.2/83

- sign 811.027 $\pm$ 0.126 χ^2 /NDF: 6893853.1/40

asym_sam7_mean vs Slug



Right In: 77.417 ± 143.270 χ^2/NDF : 19.9/16

Left Out: 410.038 ± 75.437 χ^2/NDF : 51.5/23

Right Out: 297.209 ± 129.814 χ^2/NDF : 8.9/18

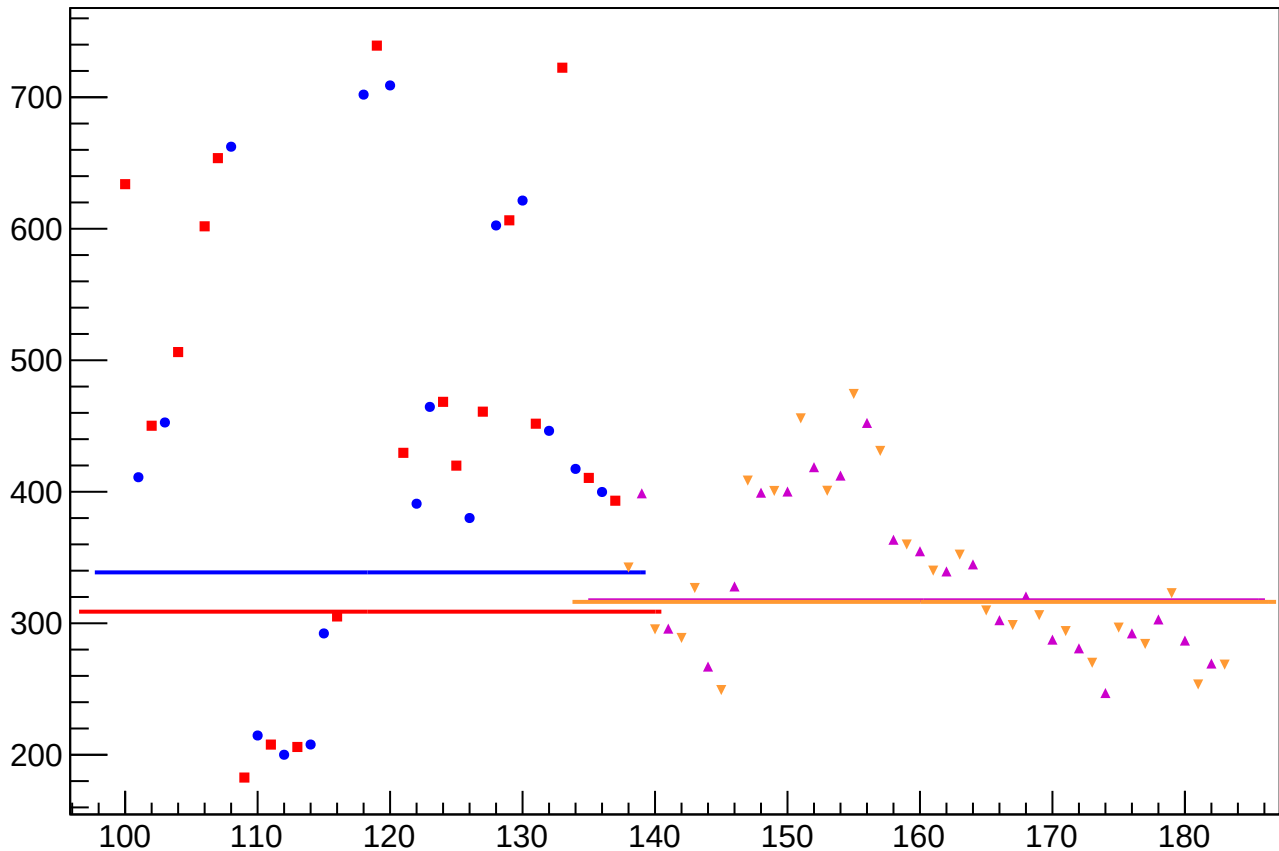
Left In: -69.301 ± 77.749 χ^2/NDF : 27.6/21

+ sign 337.838 ± 66.750 χ^2/NDF : 75.5/40

All: 182.536 ± 47.182 χ^2/NDF : 128.7/81

- sign 27.461 ± 66.701 χ^2/NDF : 42.3/40

asym_sam7_rms vs Slug



Right In: 338.706 $\pm$ 0.101 χ^2 /NDF: 2007568.0/16

Left Out: 316.284 $\pm$ 0.053 χ^2 /NDF:1066810.2/23

+ sign 321.151 $\pm$ 0.047 χ^2 /NDF: 3112729.6/40

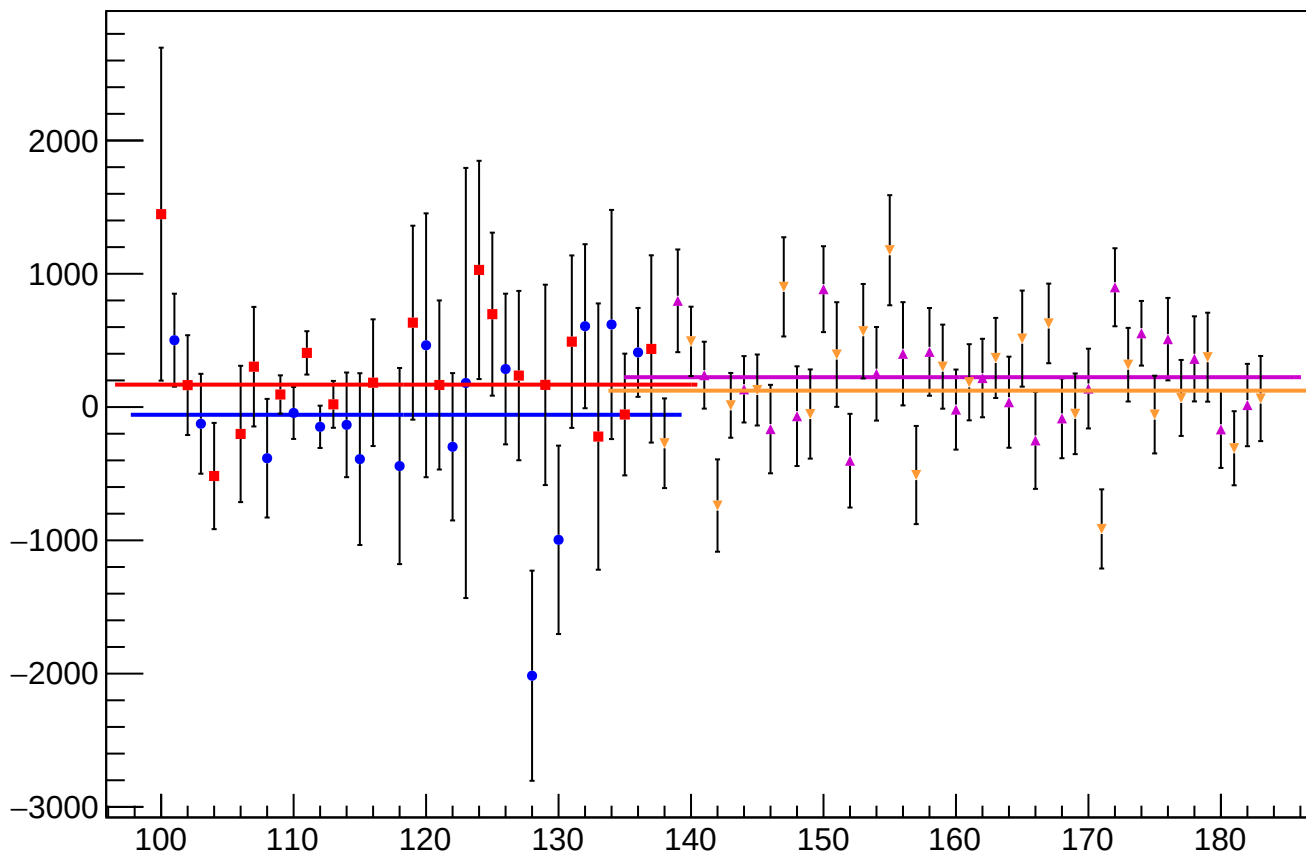
Right Out: 308.833 $\pm$ 0.092 χ^2 /NDF: 2732710.6/18

All: 318.168 $\pm$ 0.033 χ^2 /NDF: 6770446.1/81

Left In: 317.470 $\pm$ 0.055 χ^2 /NDF:910508.5/21

- sign 315.190 $\pm$ 0.047 χ^2 /NDF: 3649733.9/40

asym_sam8_mean vs Slug



Right In: -57.851 ± 90.694 χ^2/NDF : 16.6/16

Left Out: 123.209 ± 63.221 χ^2/NDF : 47.5/23

Right Out: 168.323 ± 76.968 χ^2/NDF : 10.8/18

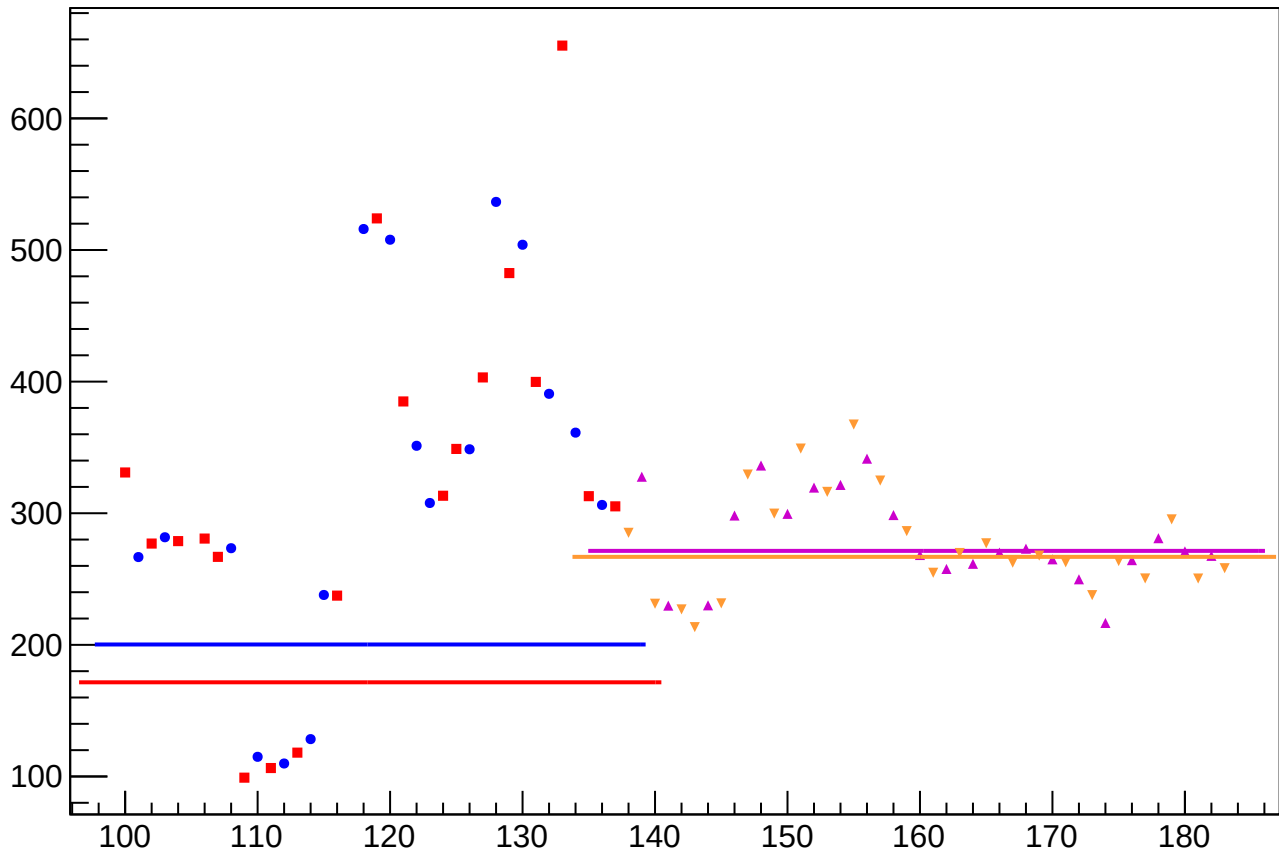
Left In: 224.159 ± 66.059 χ^2/NDF : 26.5/21

+ sign 64.000 ± 51.864 χ^2/NDF : 66.8/40

All: 134.559 ± 36.044 χ^2/NDF : 108.0/81

- sign 200.475 ± 50.128 χ^2/NDF : 37.6/40

asym_sam8_rms vs Slug



Right In: 200.283+/-0.064 χ^2/NDF : 3381863.8/16

Left Out: 266.858+/-0.045 χ^2/NDF : 637952.8/23

Right Out: 171.547+/-0.054 χ^2/NDF : 4083247.6/18

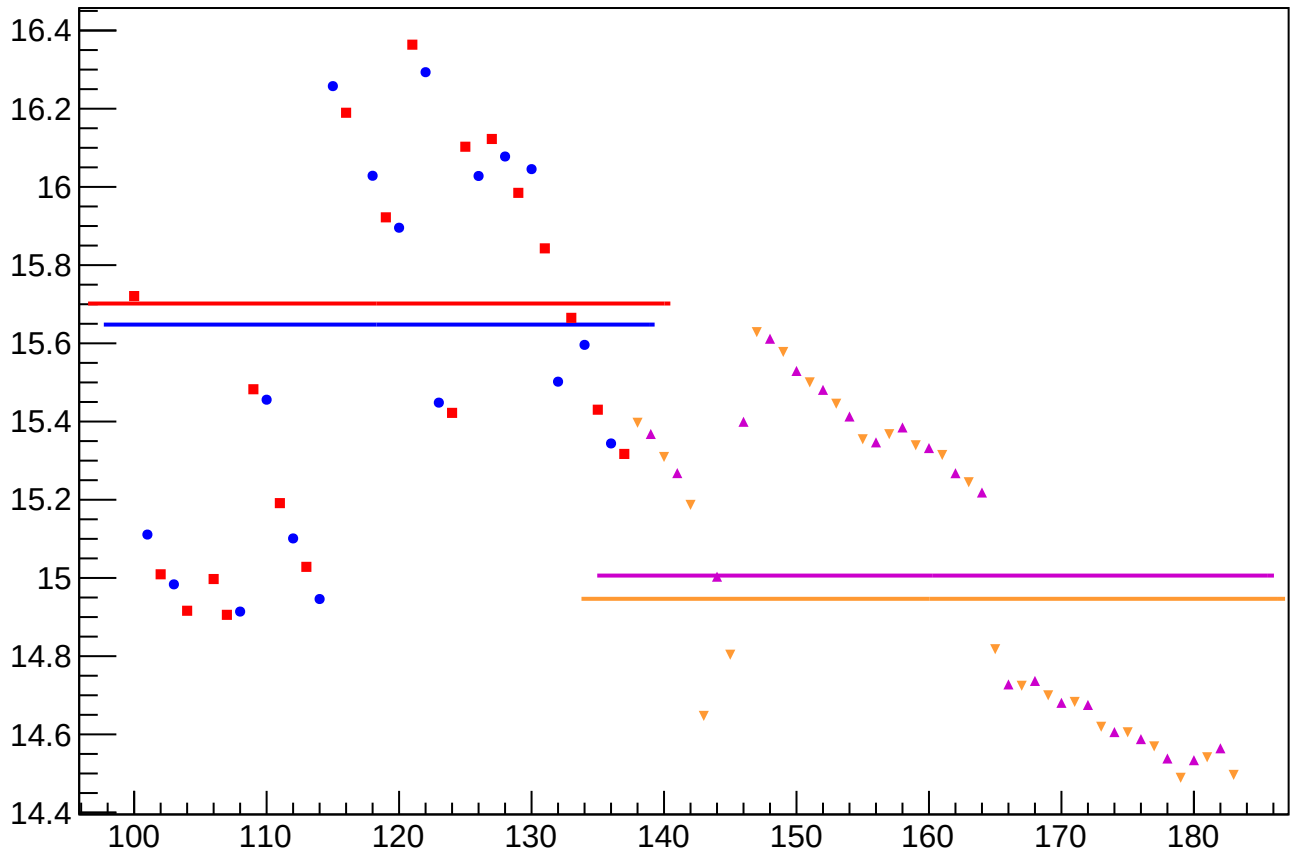
Left In: 271.403+/-0.047 χ^2/NDF : 521873.6/21

+ sign 245.088+/-0.037 χ^2/NDF : 4745086.3/40

All: 236.794+/-0.025 χ^2/NDF : 11387572.2/83

- sign 229.047+/-0.035 χ^2/NDF : 6543571.6/40

yield_sam1_mean vs Slug



Right In: 15.648 $\pm$ 0.000 χ^2 /NDF: 5445005645.2/16

Left Out: 14.947 $\pm$ 0.000 χ^2 /NDF: 23735947774.2/23

Right Out: 15.702 $\pm$ 0.000 χ^2 /NDF: 5133327033.6/18

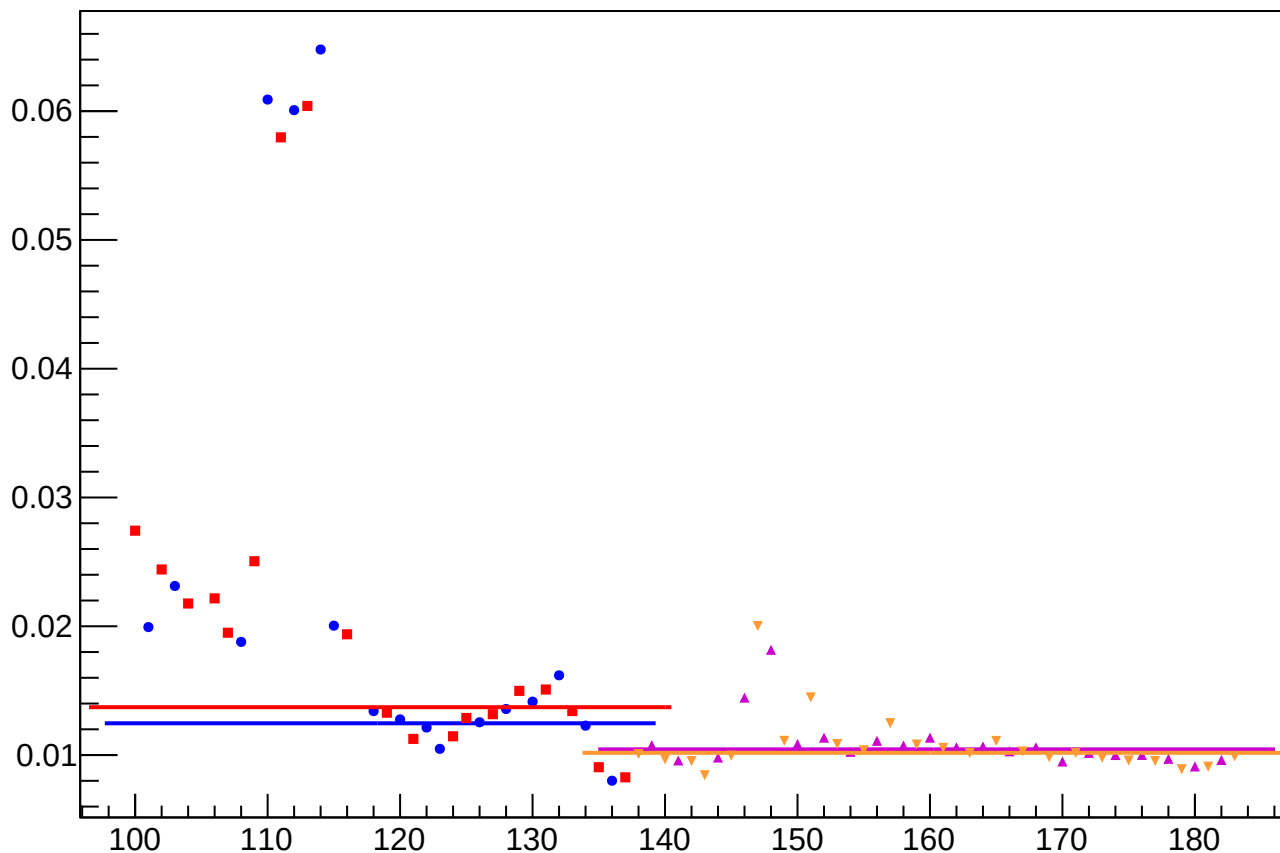
Left In: 15.006 $\pm$ 0.000 χ^2 /NDF: 20932336950.3/21

+ sign 15.064 $\pm$ 0.000 χ^2 /NDF: 42728121246.0/40

All: 15.090 $\pm$ 0.000 χ^2 /NDF: 80764584509.4

- sign 15.119 $\pm$ 0.000 χ^2 /NDF: 37751631286.4/40

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2144984.5/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 714814.5/23

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077881.6/18

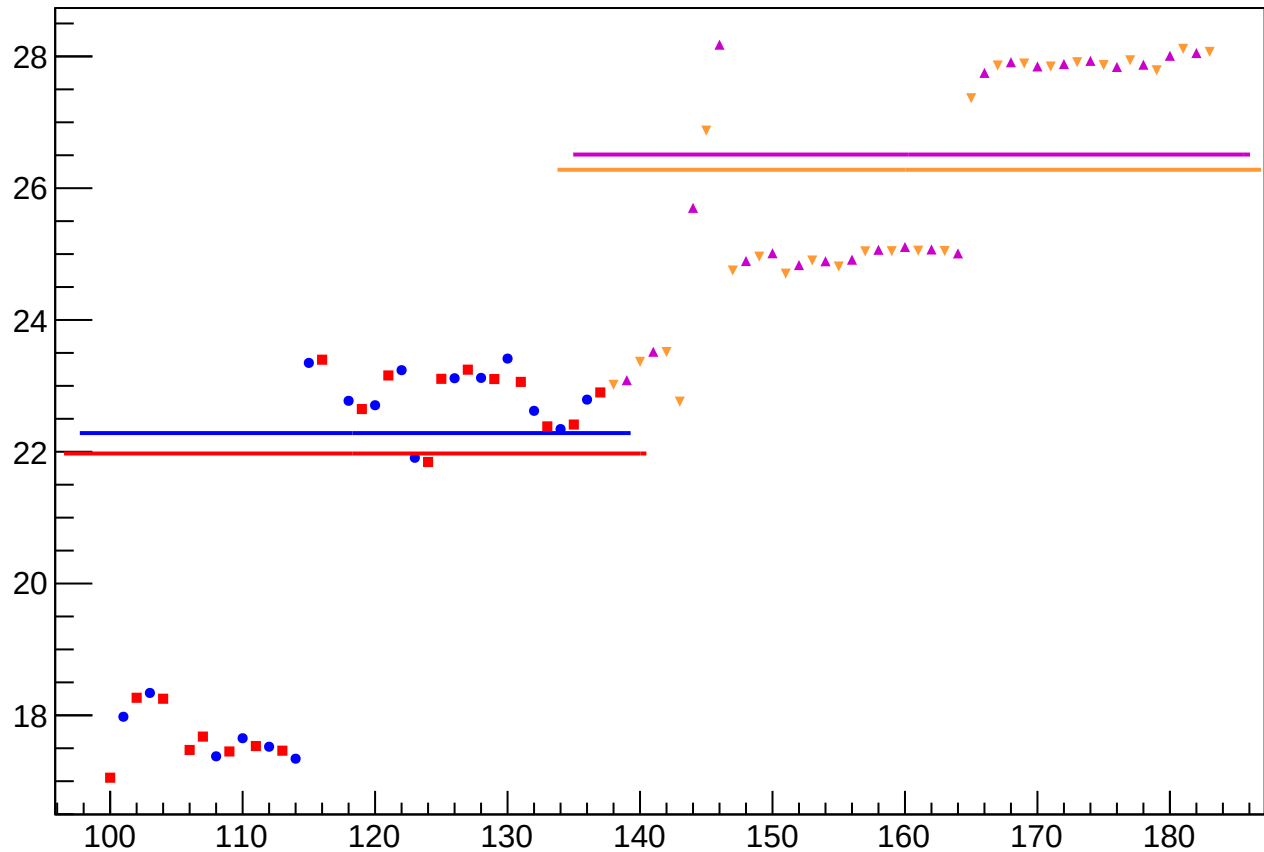
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 517459.2/21

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3149189.8/40

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 6294562.0/81

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3112633.4/40

yield_sam2_mean vs Slug



Right In: 22.283 ± 0.000 $\chi^2/\text{NDF}: 929007366.8/16$

Left Out: 26.280 ± 0.000 $\chi^2/\text{NDF}: 4611832610.9/23$

Right Out: 21.974 ± 0.000 $\chi^2/\text{NDF}: 1049661295.2/18$

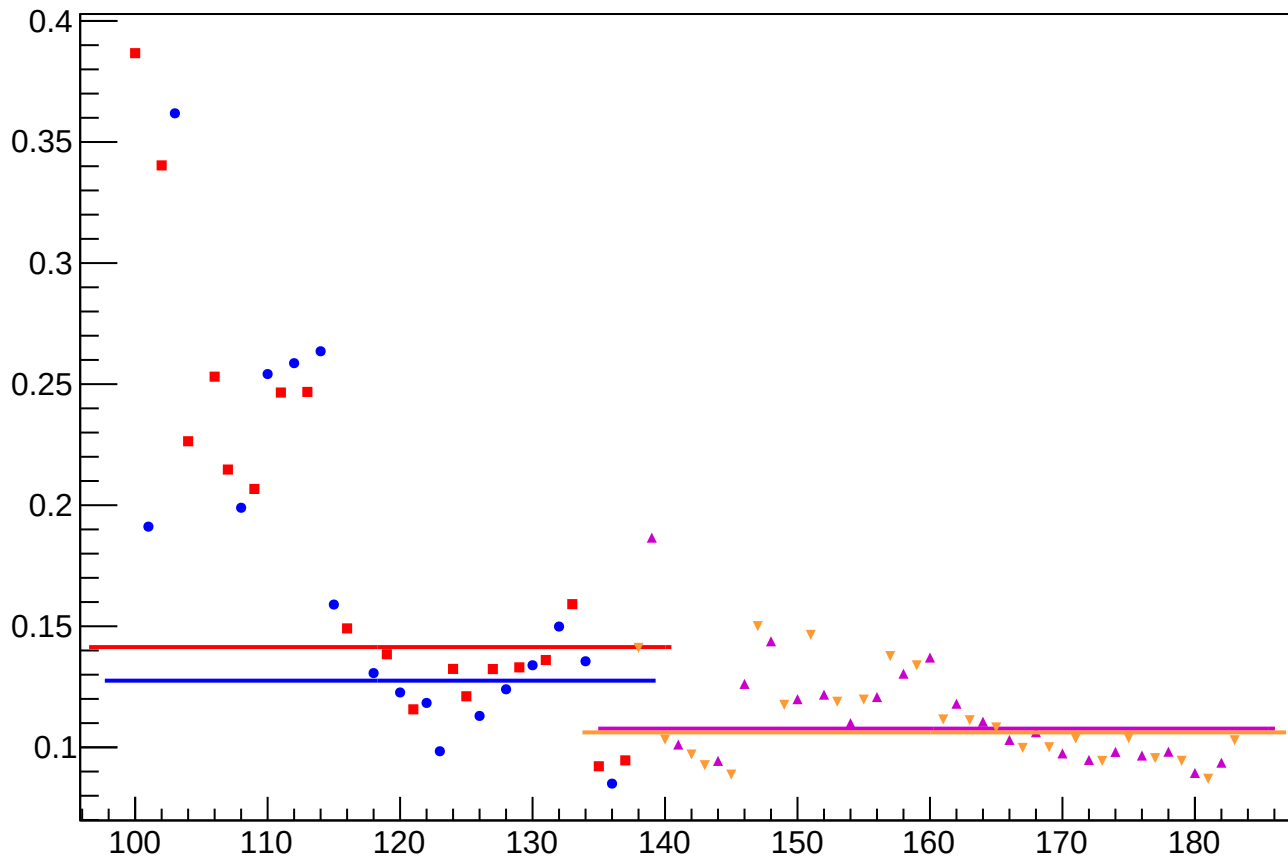
Left In: 26.511 ± 0.000 $\chi^2/\text{NDF}: 3256448826.3/21$

+ sign 25.547 ± 0.000 $\chi^2/\text{NDF}: 9589788514.1/40$

All: 25.622 ± 0.000 $\chi^2/\text{NDF}: 18560854146.3$

- sign 25.703 ± 0.000 $\chi^2/\text{NDF}: 8951444870.6/40$

yield_sam2_rms vs Slug



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1490198.9/16

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 721061.4/23

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1447700.3/18

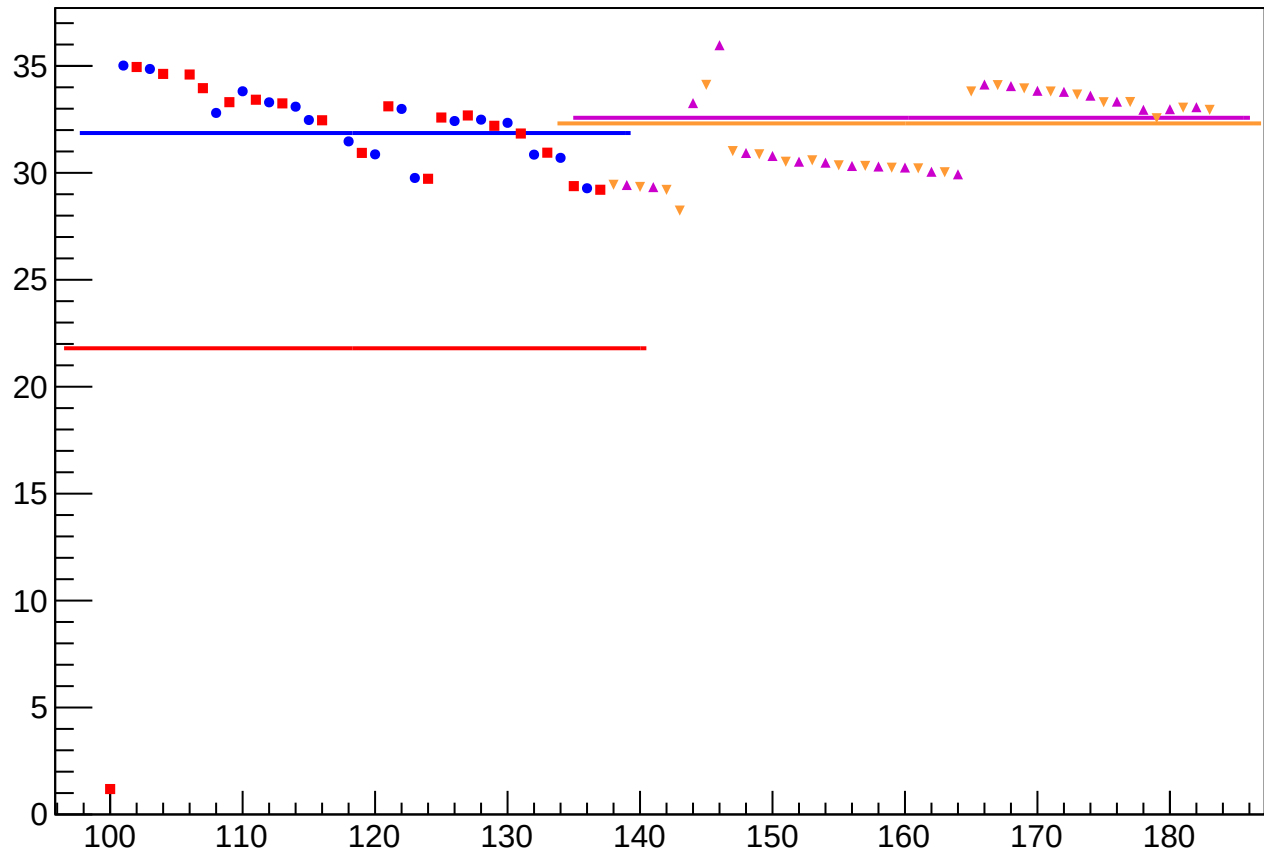
Left In: 0.108 $\pm$ 0.000 χ^2 /NDF: 762913.5/21

+ sign 0.110 $\pm$ 0.000 χ^2 /NDF: 2442760.4/40

All: 0.112 $\pm$ 0.000 χ^2 /NDF: 5186459.0/81

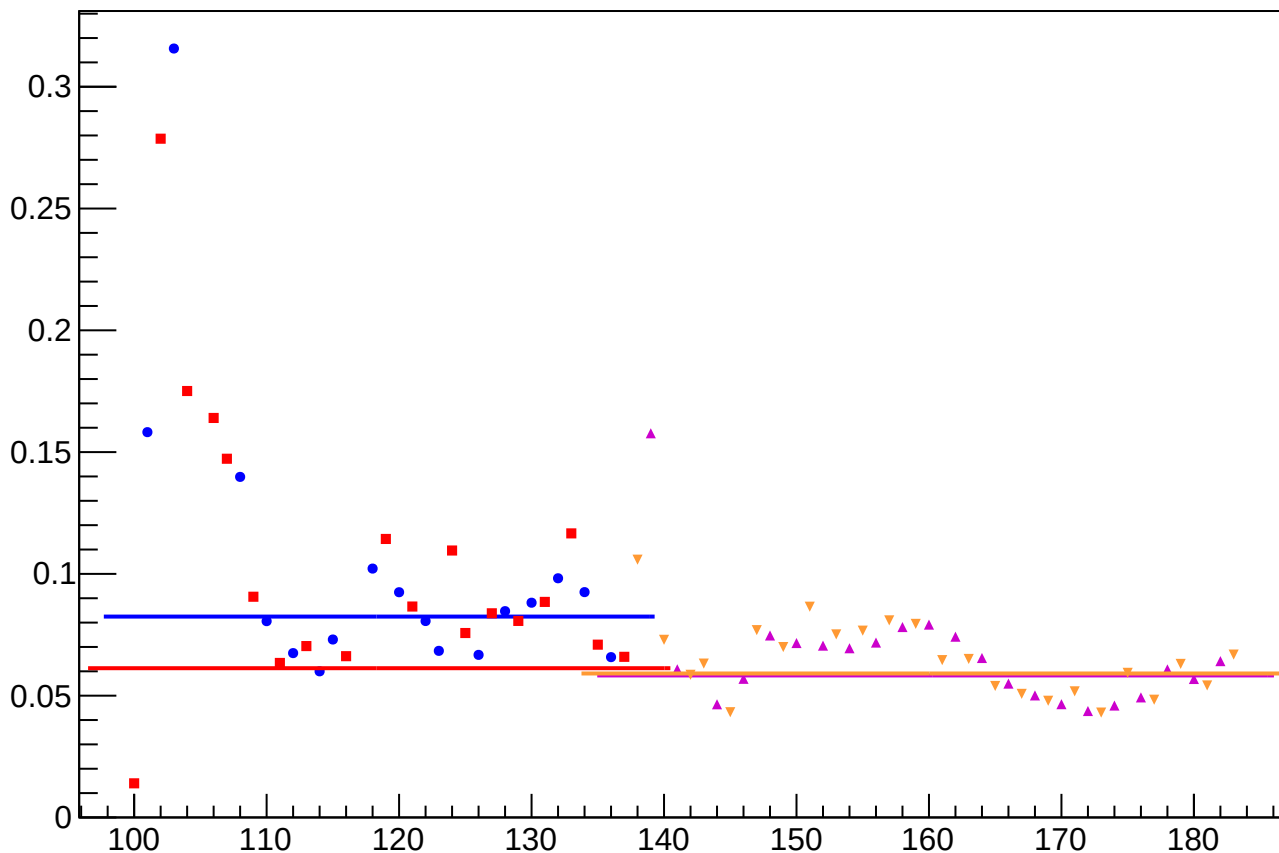
- sign 0.114 $\pm$ 0.000 χ^2 /NDF: 2722332.4/40

yield_sam3_mean vs Slug



Right In: 31.862 $\pm$ 0.000 χ^2 /NDF: 1902439059.8/16
 Left Out: 32.312 $\pm$ 0.000 χ^2 /NDF: 12785030882.3/23
 Right Out: 21.798 $\pm$ 0.000 χ^2 /NDF: 228949728350.0/18
 Left In: 32.575 $\pm$ 0.000 χ^2 /NDF: 11797635217.8/21
 + sign 32.243 $\pm$ 0.000 χ^2 /NDF: 14810560260.8/40
 All: 31.226 $\pm$ 0.000 χ^2 /NDF: 361706698762.
 - sign 30.250 $\pm$ 0.000 χ^2 /NDF: 337329669081.1/40

yield_sam3_rms vs Slug



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1182597.0/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1375521.7/23

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3604725.9/18

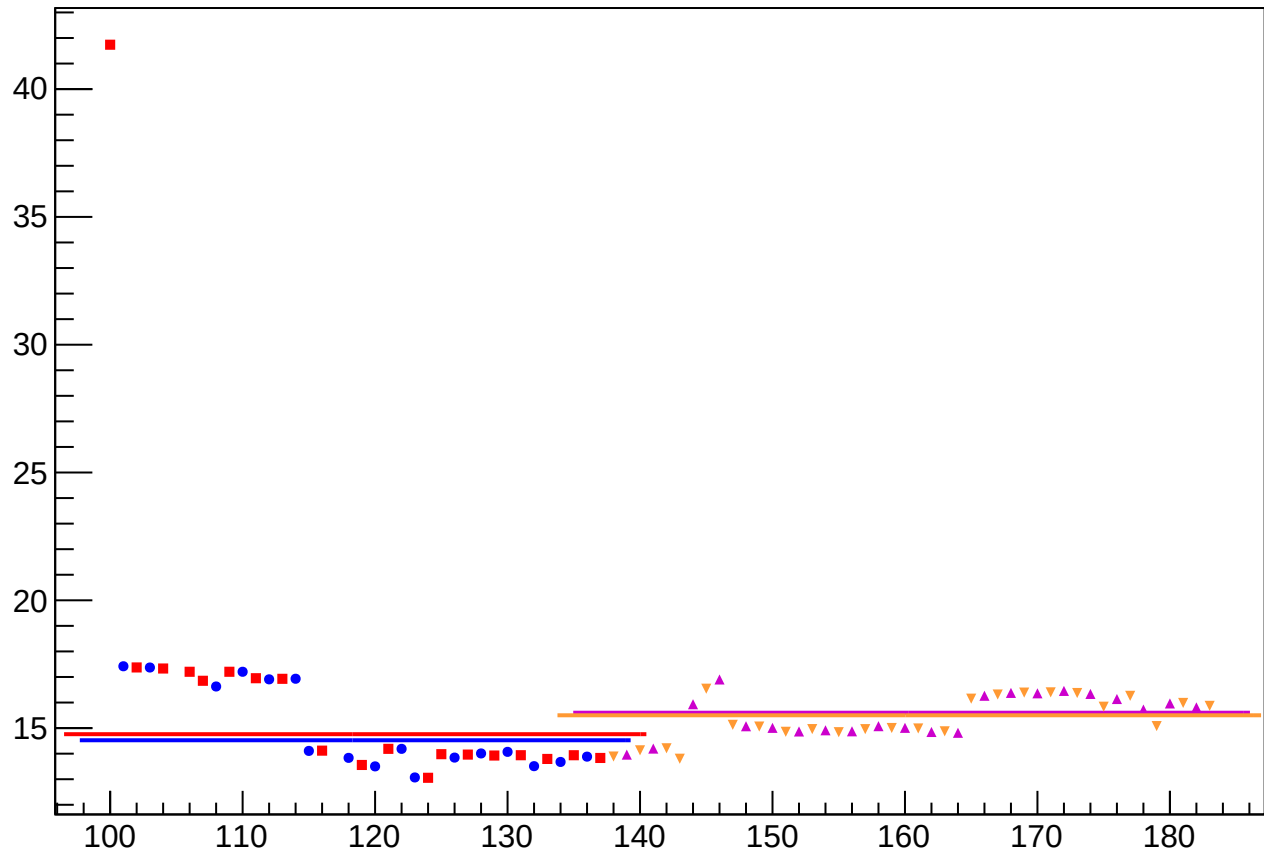
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525460.2/21

+ sign 0.063 $\pm$ 0.000 χ^2 /NDF: 3222640.1/40

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 8434020.0/81

- sign 0.059 $\pm$ 0.000 χ^2 /NDF: 5144857.4/40

yield_sam4_mean vs Slug



Right In: 14.524+/-0.000 χ^2/NDF : 1485492036.5/16

Left Out: 15.501+/-0.000 χ^2/NDF : 2524471922.3/23

Right Out: 14.762+/-0.000 χ^2/NDF : 1903088882.9/18

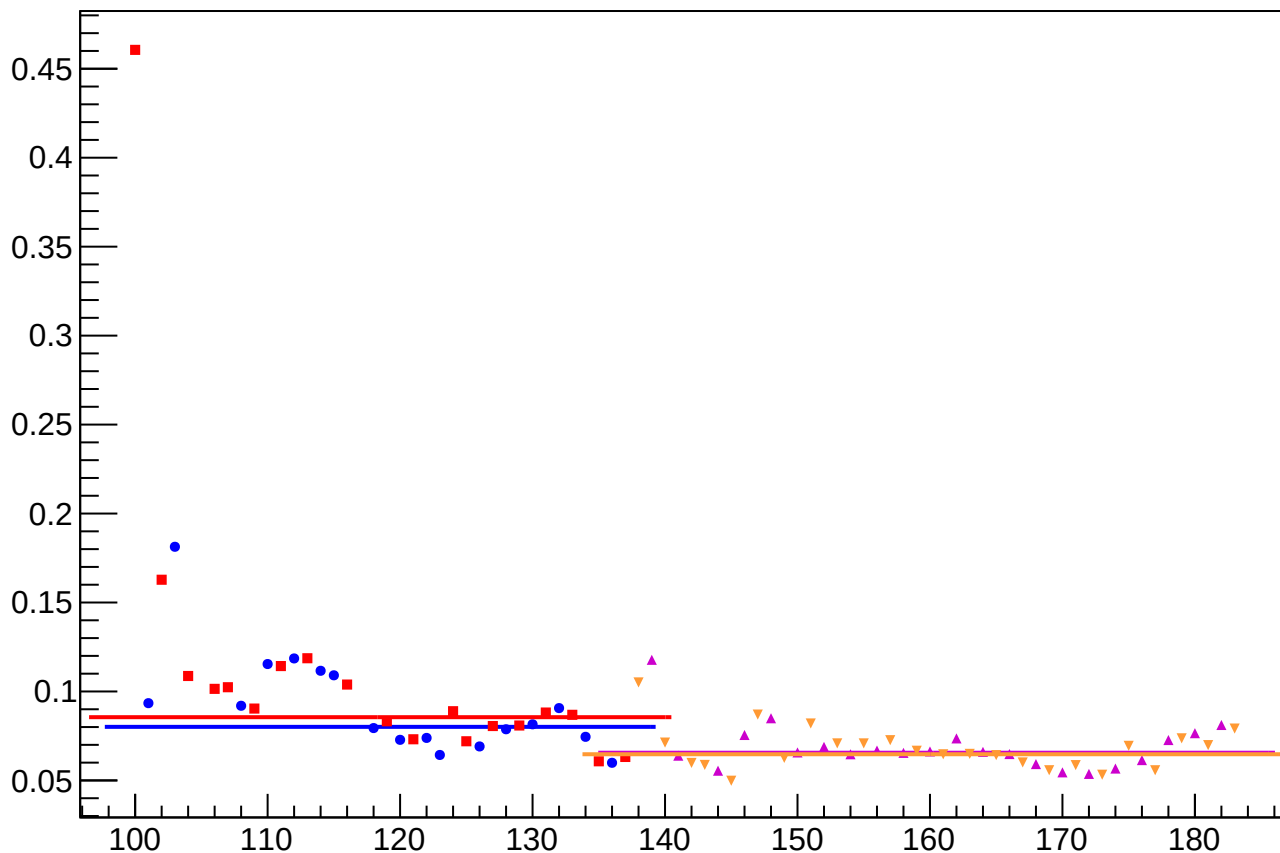
Left In: 15.602+/-0.000 χ^2/NDF : 1898876057.7/21

+ sign 15.316+/-0.000 χ^2/NDF : 4674211563.3/40

All: 15.376+/-0.000 χ^2/NDF : 8966905652.6/80

- sign 15.441+/-0.000 χ^2/NDF : 4258691004.3/40

yield_sam4_rms vs Slug



Right In: 0.080 $\pm$ 0.000 χ^2 /NDF: 775791.3/16

Left Out: 0.065 $\pm$ 0.000 χ^2 /NDF: 744461.2/23

Right Out: 0.086 $\pm$ 0.000 χ^2 /NDF: 738760.7/18

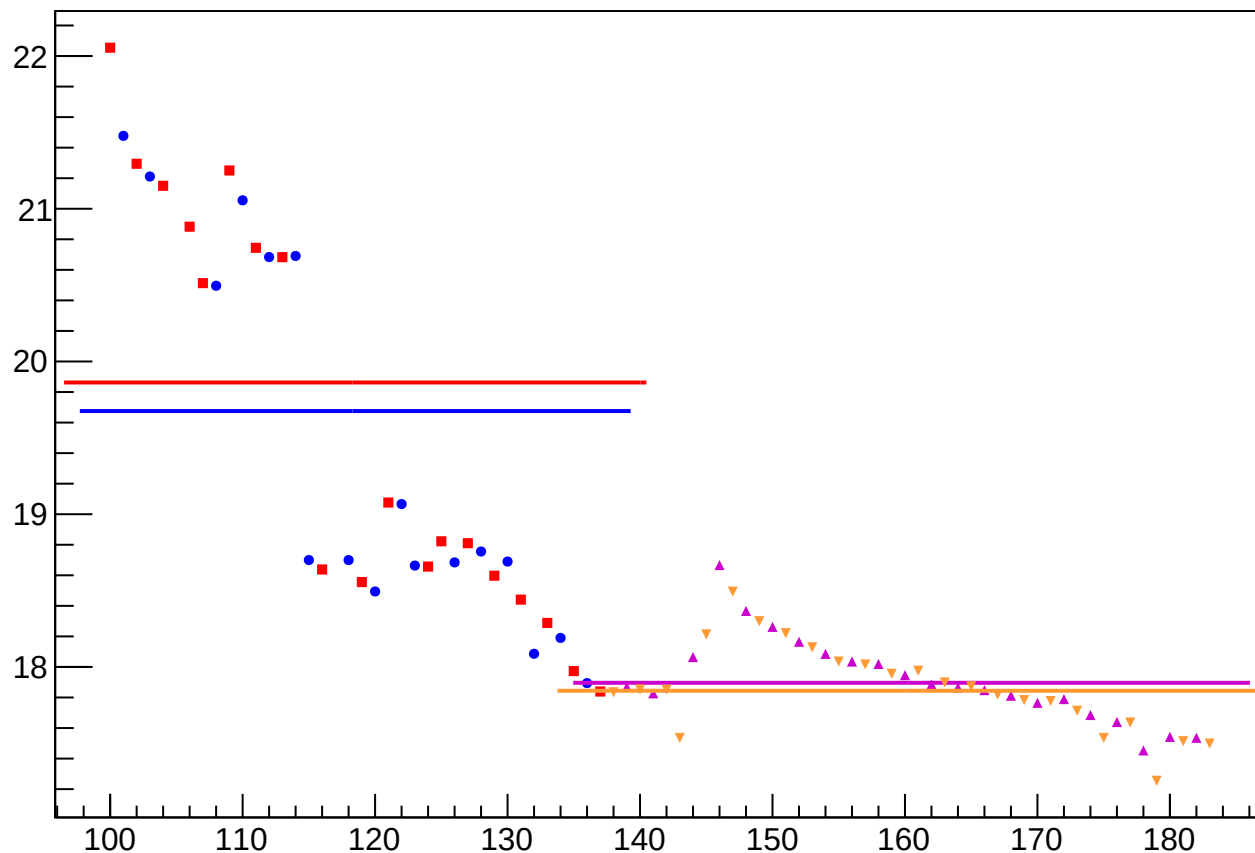
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 712012.1/21

+ sign 0.068 $\pm$ 0.000 χ^2 /NDF: 1850048.9/40

All: 0.068 $\pm$ 0.000 χ^2 /NDF: 3830856.9/81

- sign 0.069 $\pm$ 0.000 χ^2 /NDF: 1967436.4/40

yield_sam5_mean vs Slug



Right In: 19.676+/-0.000 χ^2/NDF : 12360927493.1/16

Left Out: 17.844+/-0.000 χ^2/NDF : 1273776872.1/23

Right Out: 19.863+/-0.000 χ^2/NDF : 11443358824.6/18

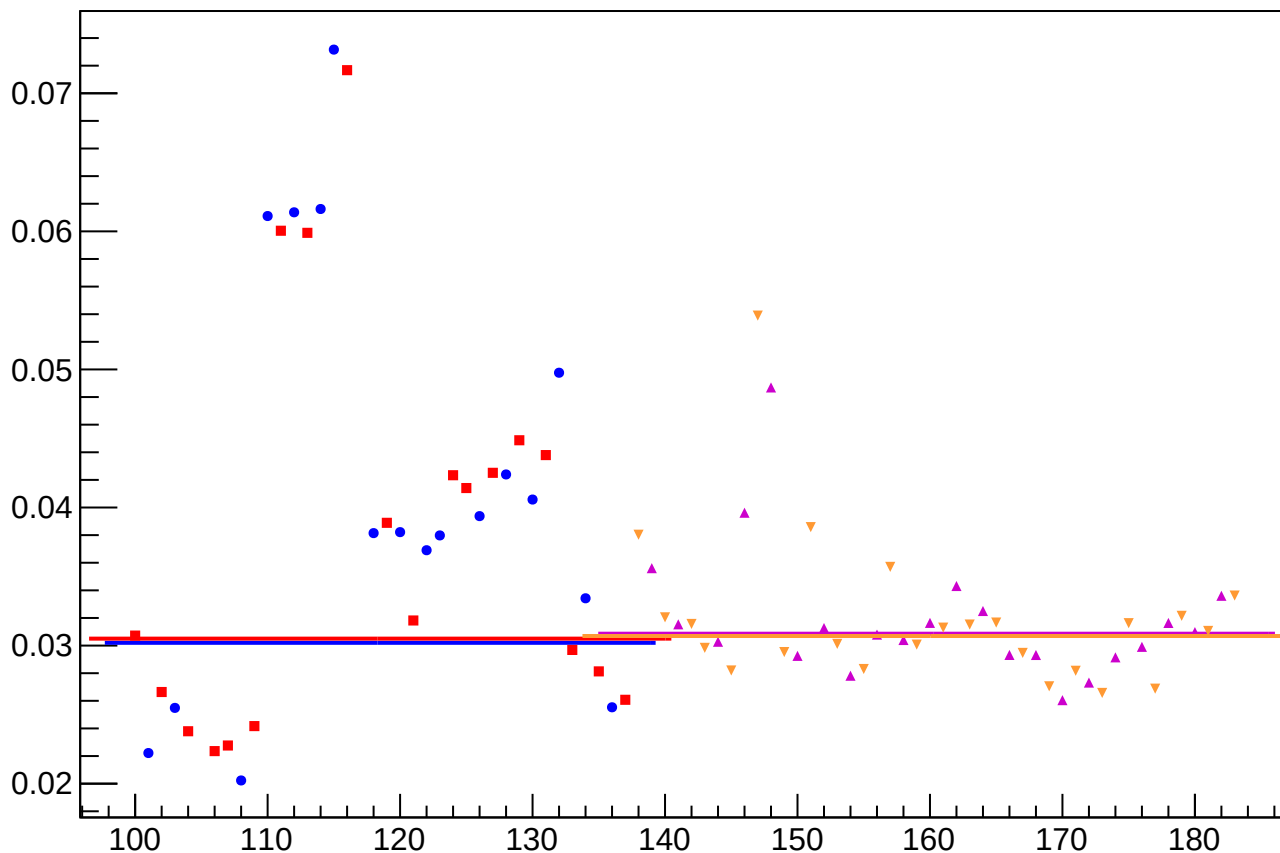
Left In: 17.896+/-0.000 χ^2/NDF : 1119873907.7/21

+ sign 18.303+/-0.000 χ^2/NDF : 28984226448.7/40

All: 18.363+/-0.000 χ^2/NDF : 59591029819.6

- sign 18.426+/-0.000 χ^2/NDF : 30423898289.8/40

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1318915.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 575874.3/23

Right Out: 0.031+/-0.000 χ^2/NDF : 1176229.2/18

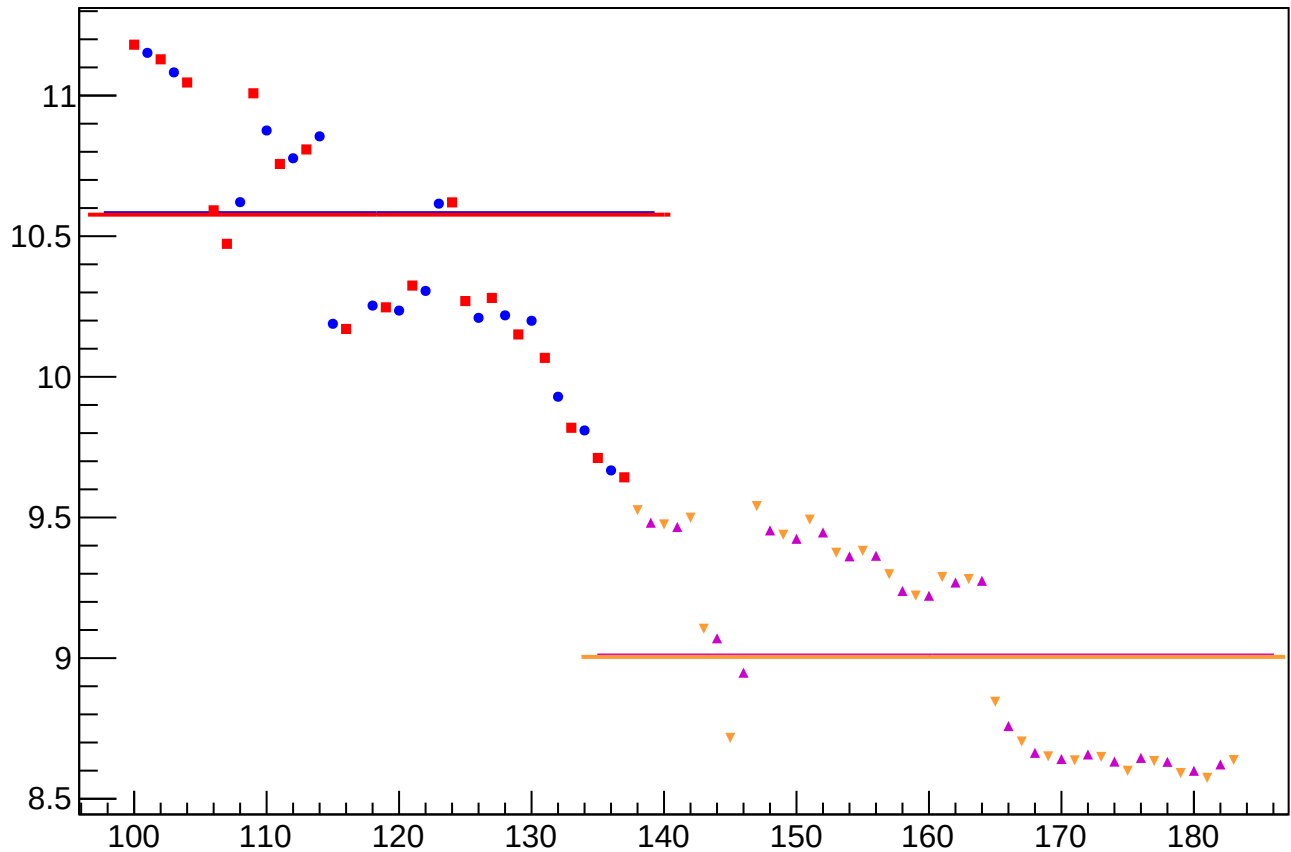
Left In: 0.031+/-0.000 χ^2/NDF : 449400.7/21

+ sign 0.031+/-0.000 χ^2/NDF : 1897015.3/40

All: 0.031+/-0.000 χ^2/NDF : 3524717.3/81

- sign 0.031+/-0.000 χ^2/NDF : 1626805.1/40

yield_sam6_mean vs Slug



Right In: 10.582 $\pm$ 0.000 χ^2 /NDF: 7496301993.4/16

Left Out: 9.004 $\pm$ 0.000 χ^2 /NDF: 6303027245.7/23

Right Out: 10.577 $\pm$ 0.000 χ^2 /NDF: 5832154064.6/18

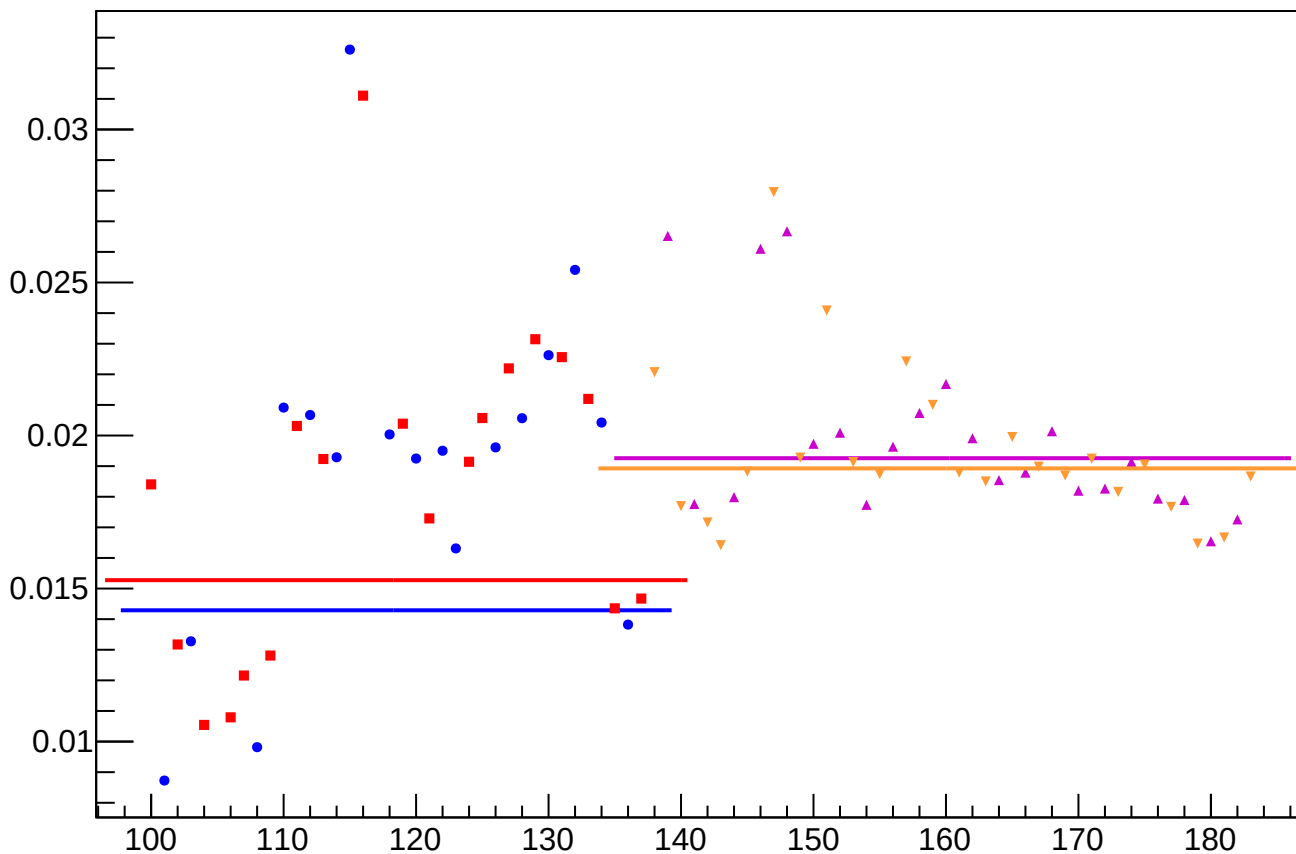
Left In: 9.009 $\pm$ 0.000 χ^2 /NDF: 5178608060.5/21

+ sign 9.573 $\pm$ 0.000 χ^2 /NDF: 55230309159.3/40

All: 9.585 $\pm$ 0.000 χ^2 /NDF: 104973152882.9

- sign 9.598 $\pm$ 0.000 χ^2 /NDF: 49721217617.9/40

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1401060.2/16

Left Out: 0.019+/-0.000 χ^2/NDF : 424014.3/23

Right Out: 0.015+/-0.000 χ^2/NDF : 983878.2/18

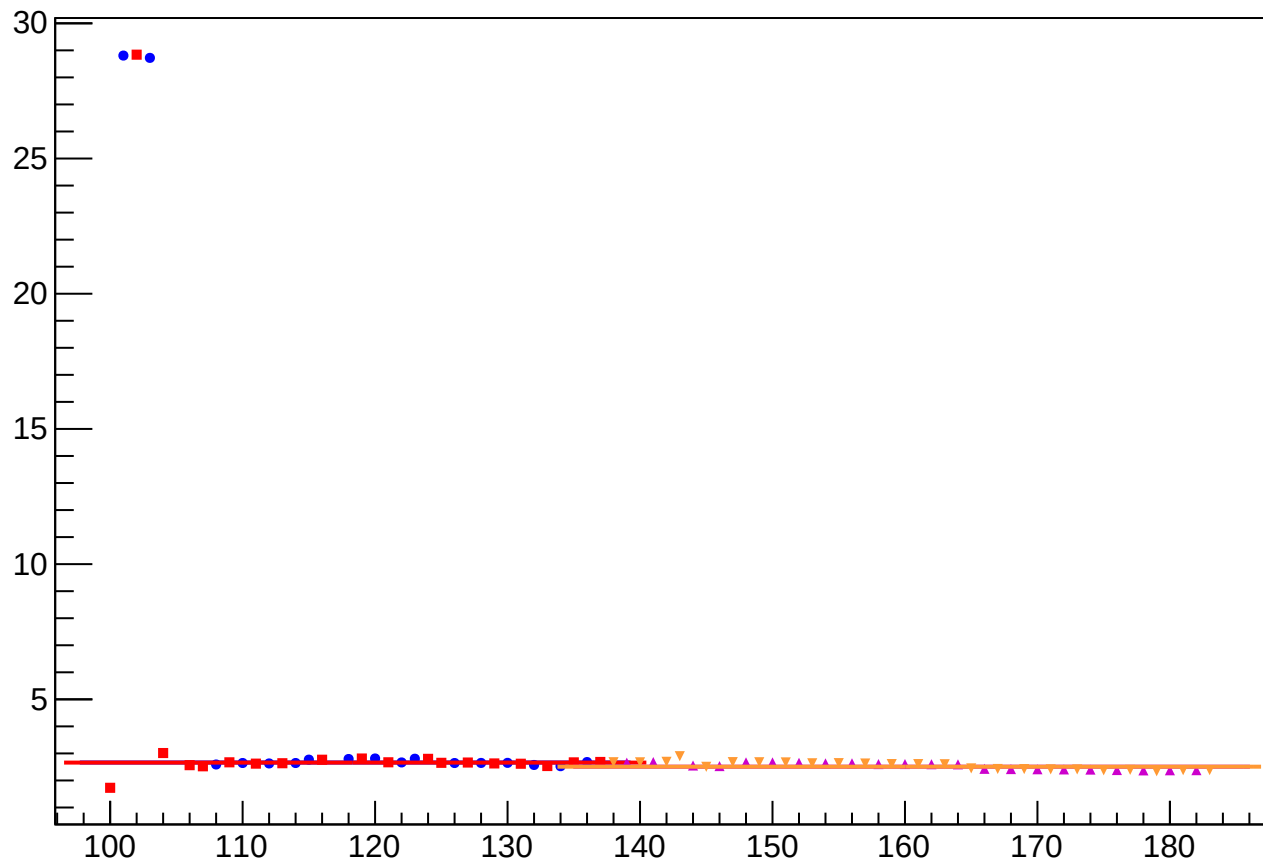
Left In: 0.019+/-0.000 χ^2/NDF : 477190.1/21

+ sign 0.017+/-0.000 χ^2/NDF : 2540738.6/40

All: 0.017+/-0.000 χ^2/NDF : 4520151.4/81

- sign 0.018+/-0.000 χ^2/NDF : 1961479.8/40

yield_sam7_mean vs Slug



Right In: 2.664 $\pm$ 0.000 χ^2 /NDF: 163239224312.8/16

Left Out: 2.510 $\pm$ 0.000 χ^2 /NDF: 63275997627.5/23

Right Out: 2.661 $\pm$ 0.000 χ^2 /NDF: 70469517041.1/18

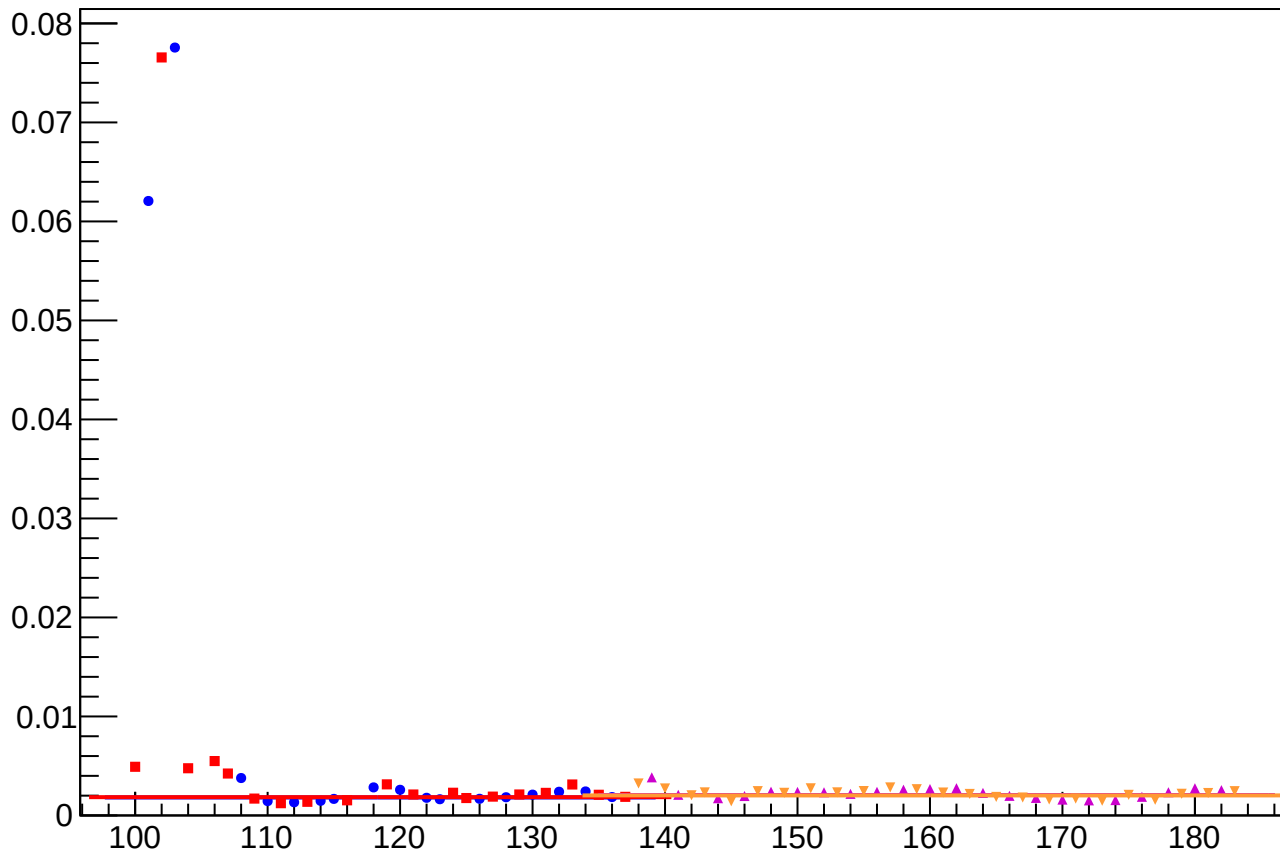
Left In: 2.509 $\pm$ 0.000 χ^2 /NDF: 41217895220.7/21

+ sign 2.552 $\pm$ 0.000 χ^2 /NDF: 249712899511.9/40

All: 2.553 $\pm$ 0.000 χ^2 /NDF: 384194910280.6

- sign 2.555 $\pm$ 0.000 χ^2 /NDF: 134464072915.6/40

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2661214.8/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1392120.3/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2328485.5/18

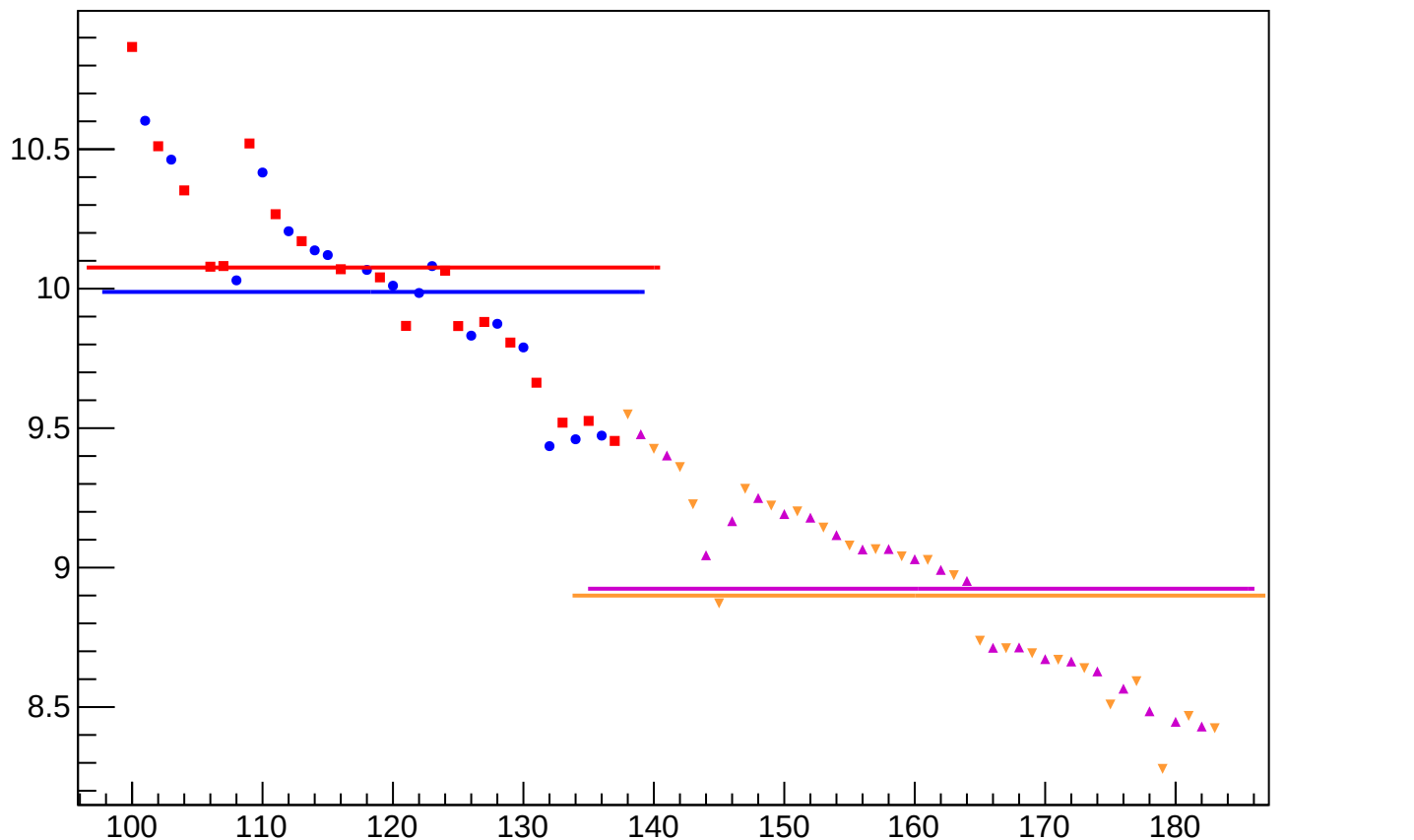
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1299554.9/21

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4137081.2/40

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7860044.8/81

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3718786.9/40

yield_sam8_mean vs Slug



Right In: 9.988 $\pm$ 0.000 χ^2 /NDF: 19058102133.2/16

Left Out: 8.900 $\pm$ 0.000 χ^2 /NDF: 33212162895.8/23

Right Out: 10.076 $\pm$ 0.000 χ^2 /NDF: 15960763158.3/18

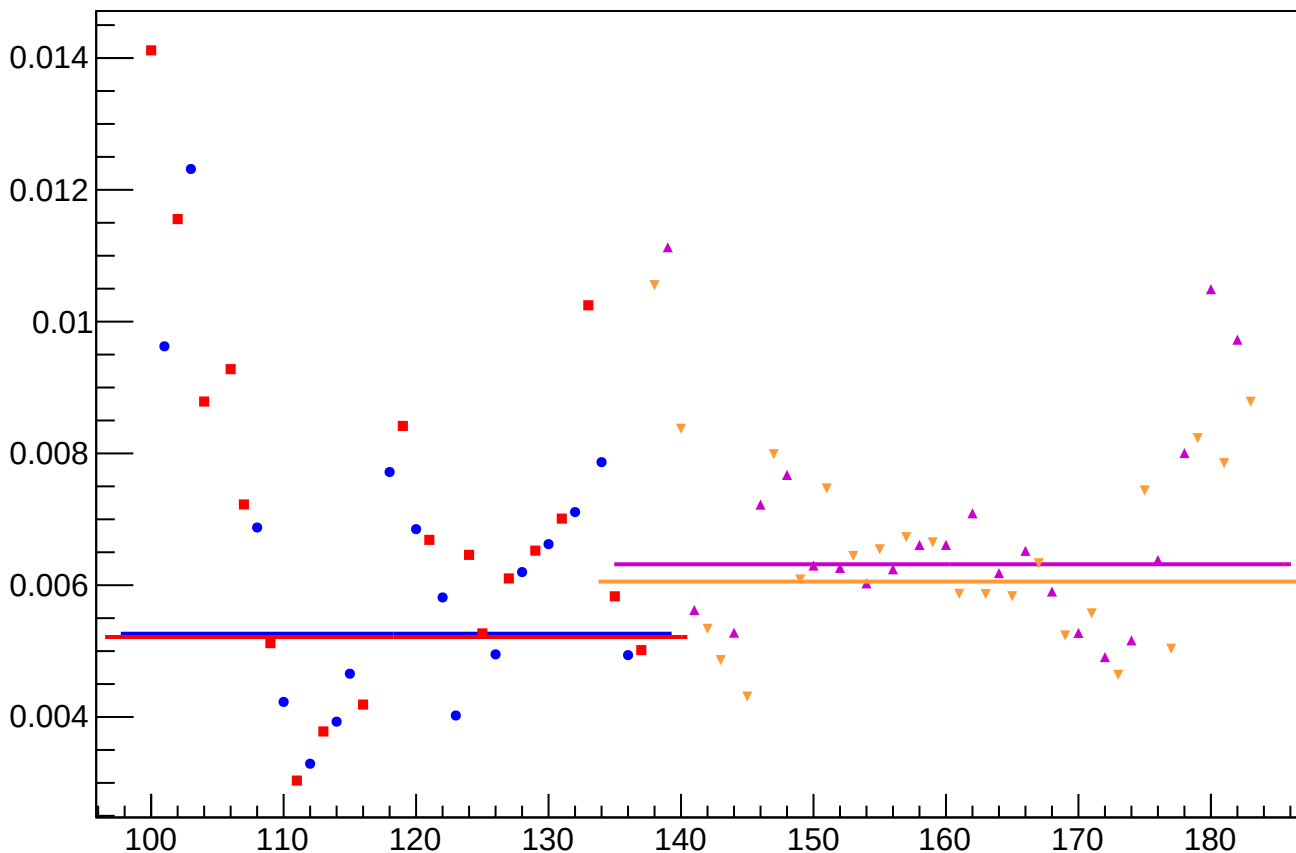
Left In: 8.924 $\pm$ 0.000 χ^2 /NDF: 26088632945.2/21

+ sign 9.244 $\pm$ 0.000 χ^2 /NDF: 199026156261.7/40

All: 9.289 $\pm$ 0.000 χ^2 /NDF: 406422750090.3

- sign 9.337 $\pm$ 0.000 χ^2 /NDF: 205000190037.3/40

yield_sam8_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1249771.4/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1254499.9/23

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1653053.2/18

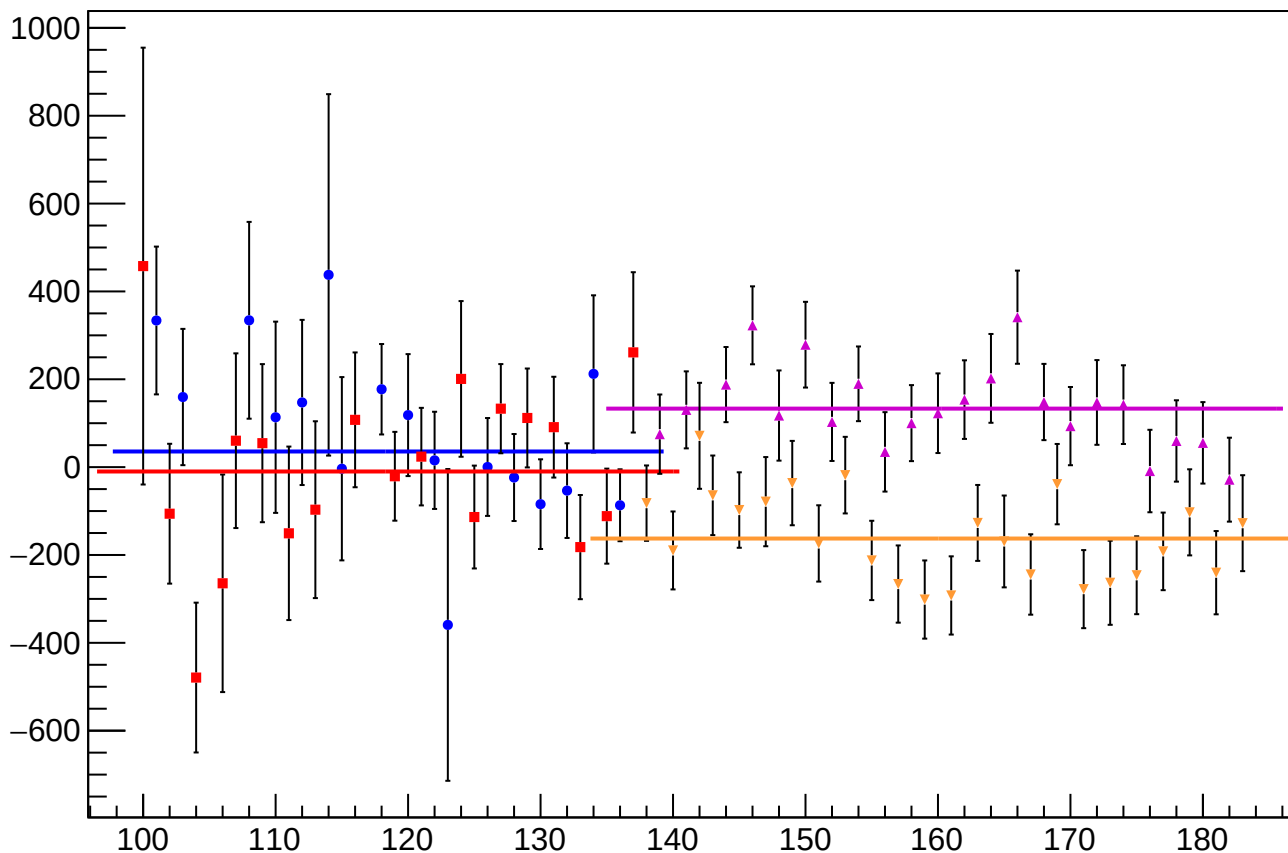
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.1/21

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2659246.6/40

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 5706455.6/81

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 3039584.0/40

reg_asym_sam1_mean vs Slug



Right In: 35.612 ± 32.342 χ^2/NDF : 16.3/16

Left Out: -162.573 ± 18.839 χ^2/NDF : 25.6/23

Right Out: -9.921 ± 32.186 χ^2/NDF : 22.8/18

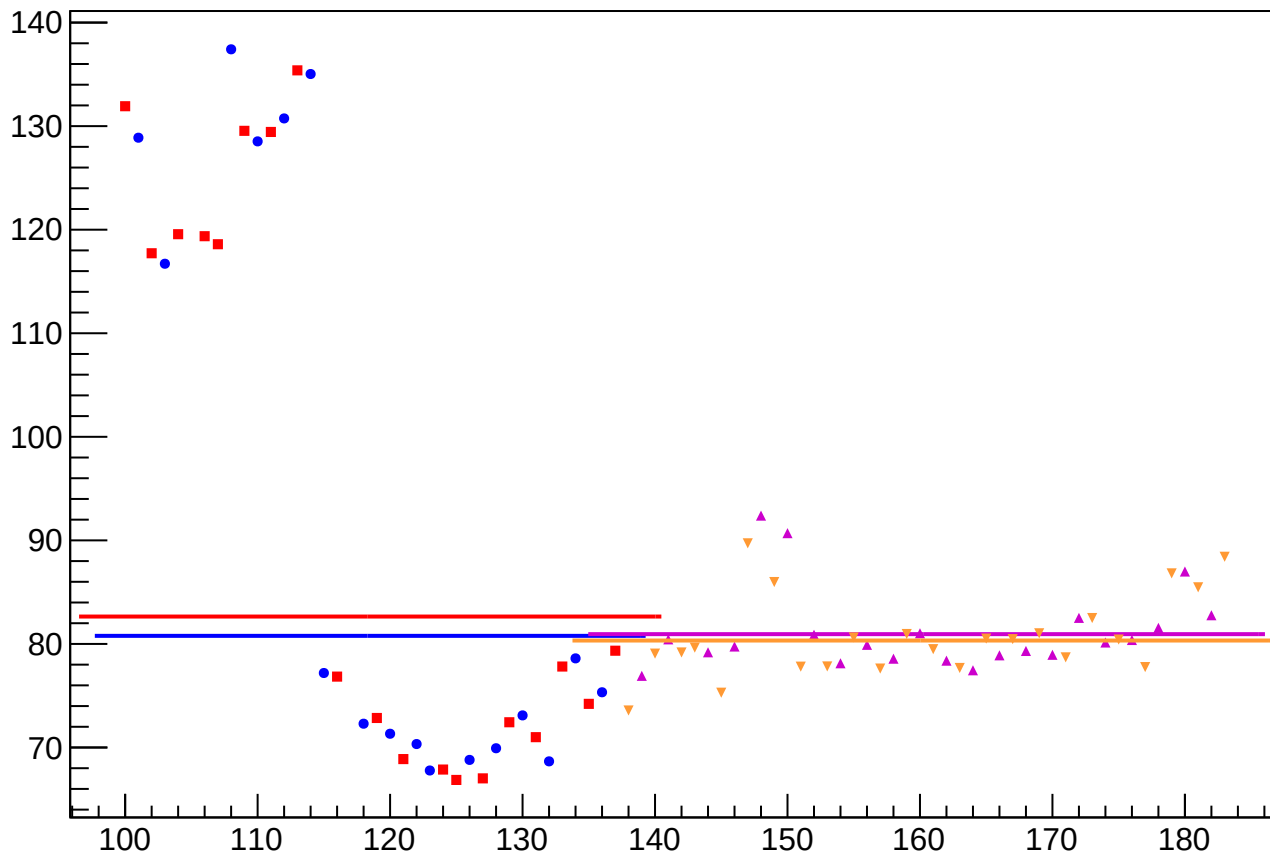
Left In: 133.206 ± 19.547 χ^2/NDF : 20.7/21

+ sign -112.363 ± 16.279 χ^2/NDF : 70.0/40

All: -11.550 ± 11.659 χ^2/NDF : 206.7/81

- sign 94.641 ± 16.707 χ^2/NDF : 57.9/40

reg_asym_sam1_rms vs Slug



Right In: 80.781 $\pm$ 0.023 χ^2 /NDF: 807781.3/16

Left Out: 80.329 $\pm$ 0.013 χ^2 /NDF:80503.8/23

Right Out: 82.645 $\pm$ 0.023 χ^2 /NDF: 908392.3/18

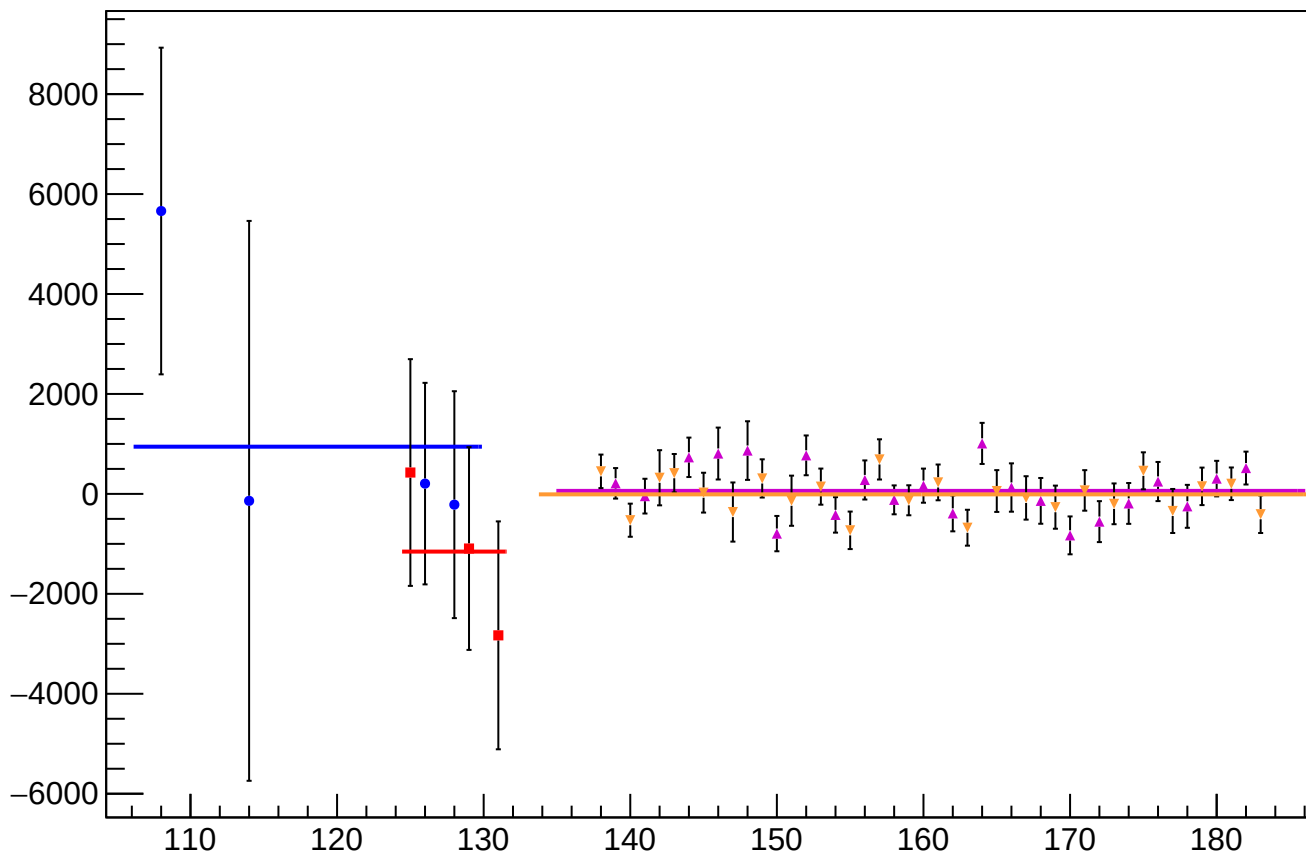
Left In: 80.945 $\pm$ 0.014 χ^2 /NDF:70583.5/21

+ sign 80.444 $\pm$ 0.012 χ^2 /NDF: 888576.3/40

All: 80.911 $\pm$ 0.008 χ^2 /NDF: 1875011.4/81

- sign 81.403 $\pm$ 0.012 χ^2 /NDF: 983049.1/40

asym_sam1_correction_mean vs Slug



Right In: 944.622 ± 1329.889 χ^2/NDF : 2.5/3

Left Out: -9.324 ± 79.029 χ^2/NDF : 22.5/23

Right Out: -1154.707 ± 1260.302 χ^2/NDF : 1.0/2

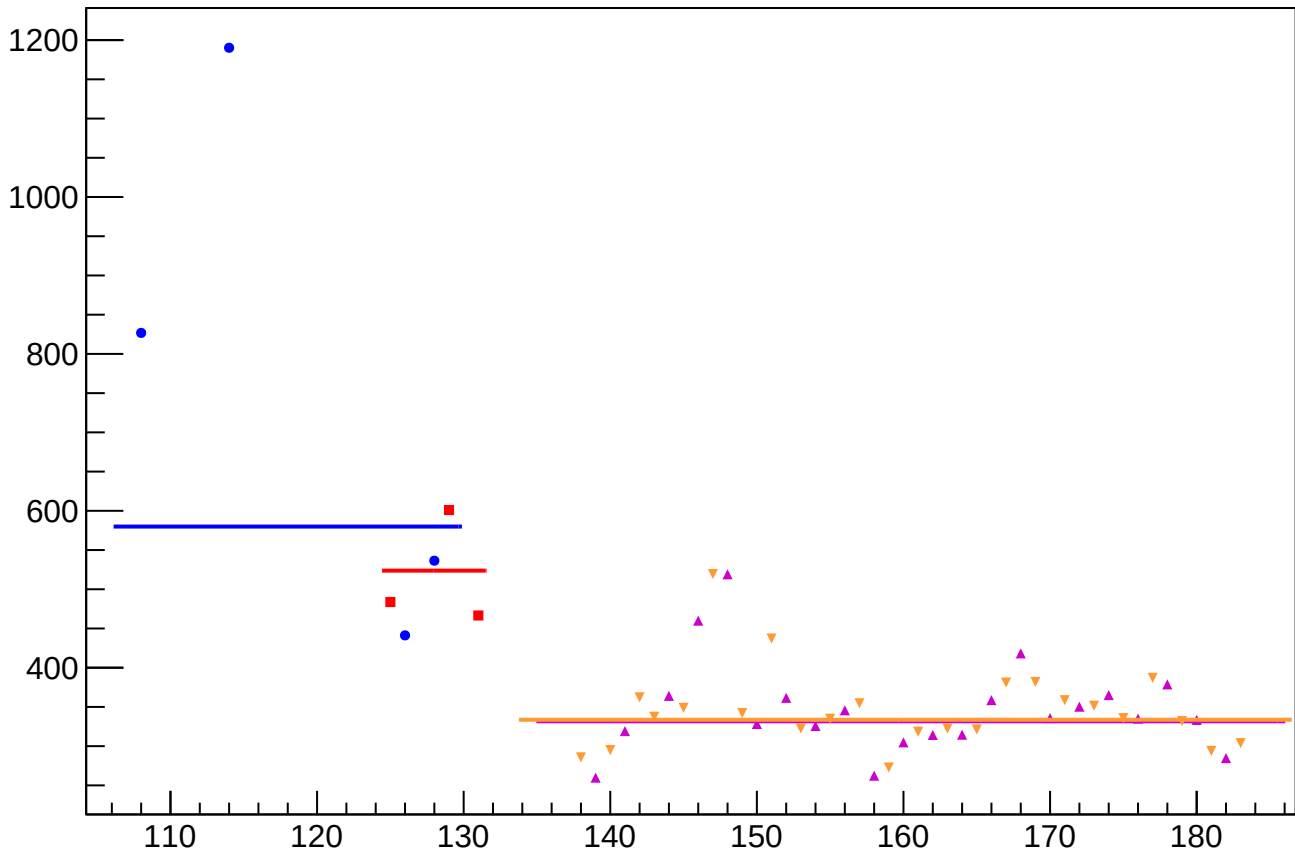
Left In: 60.092 ± 81.095 χ^2/NDF : 37.3/21

+ sign -5.967 ± 78.890 χ^2/NDF : 25.6/27

All: 23.780 ± 56.490 χ^2/NDF : 65.1/52

- sign 55.083 ± 80.927 χ^2/NDF : 39.2/24

asym_sam1_correction_rms vs Slug



Right In: 579.917+/-0.940 χ^2/NDF : 45346.8/3

Left Out: 333.654+/-0.056 χ^2/NDF : 588599.0/23

Right Out: 523.753+/-0.891 χ^2/NDF : 4780.0/2

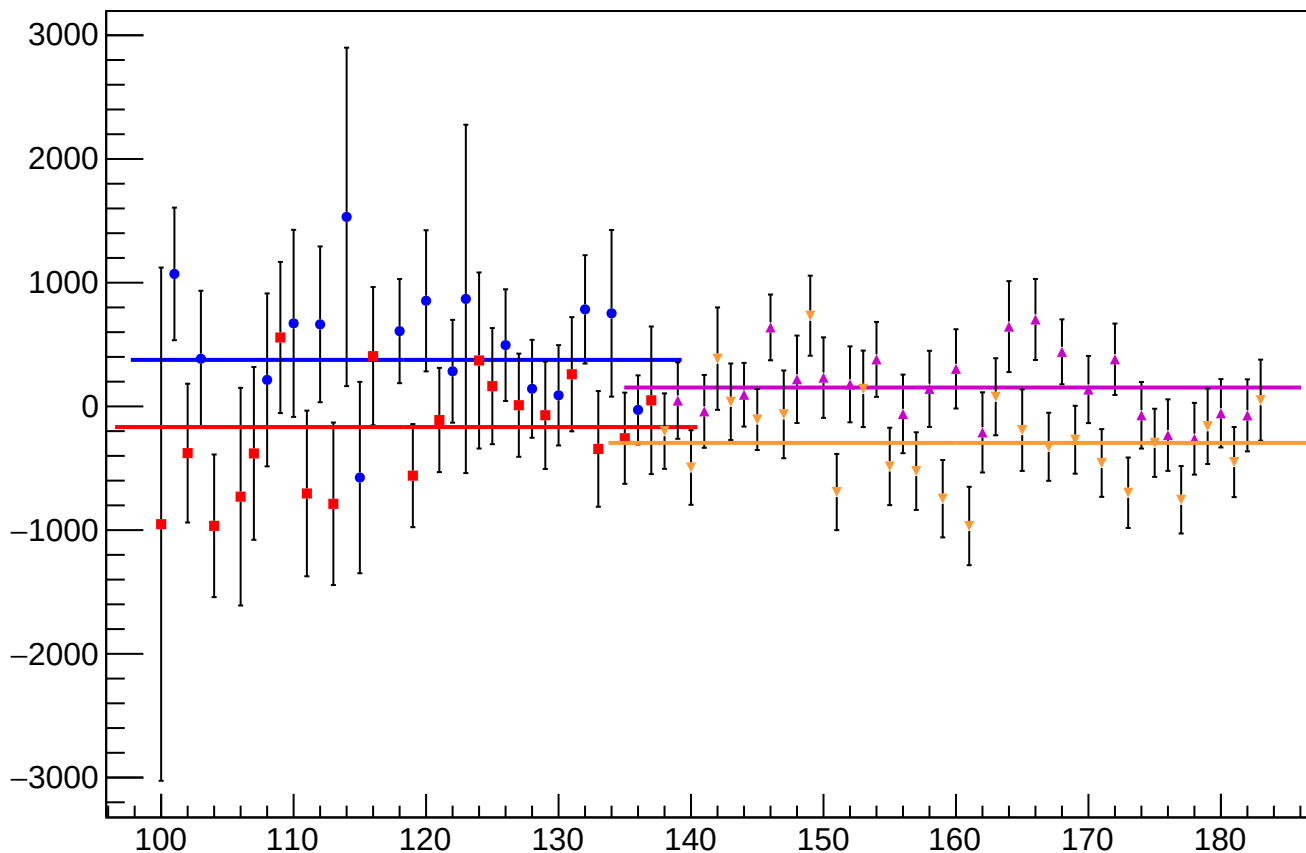
Left In: 331.649+/-0.057 χ^2/NDF : 763195.6/21

+ sign 334.520+/-0.056 χ^2/NDF : 702284.7/27

All: 333.507+/-0.040 χ^2/NDF : 1517213.7/52

- sign 332.441+/-0.057 χ^2/NDF : 814252.0/24

reg_asym_sam2_mean vs Slug



Right In: 376.077 $\pm$ 121.292 χ^2 /NDF: 9.7/16

Left Out: -294.968 $\pm$ 61.505 χ^2 /NDF:35.0/23

Right Out: -166.872 $\pm$ 120.731 χ^2 /NDF: 10.1/18

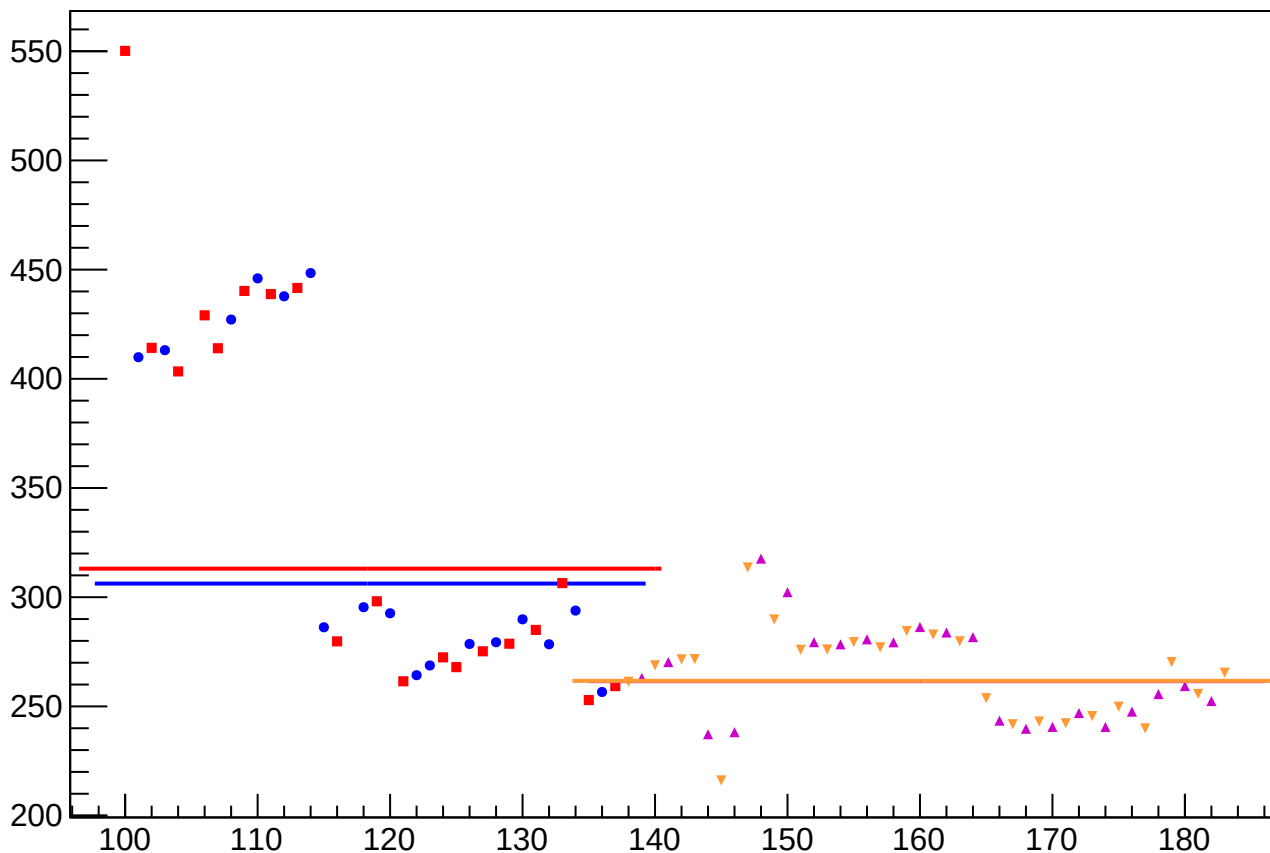
Left In: 152.515 $\pm$ 63.320 χ^2 /NDF:18.7/21

+ sign -157.712 $\pm$ 54.856 χ^2 /NDF: 69.0/40

All: -39.704 $\pm$ 39.213 χ^2 /NDF: 112.7/81

- sign 83.613 $\pm$ 56.076 χ^2 /NDF: 34.2/40

reg_asym_sam2_rms vs Slug



Right In: 306.241+/-0.086 χ^2/NDF : 505092.7/16

Left Out: 261.695+/-0.043 χ^2/NDF : 233194.1/23

Right Out: 313.066+/-0.085 χ^2/NDF : 621526.7/18

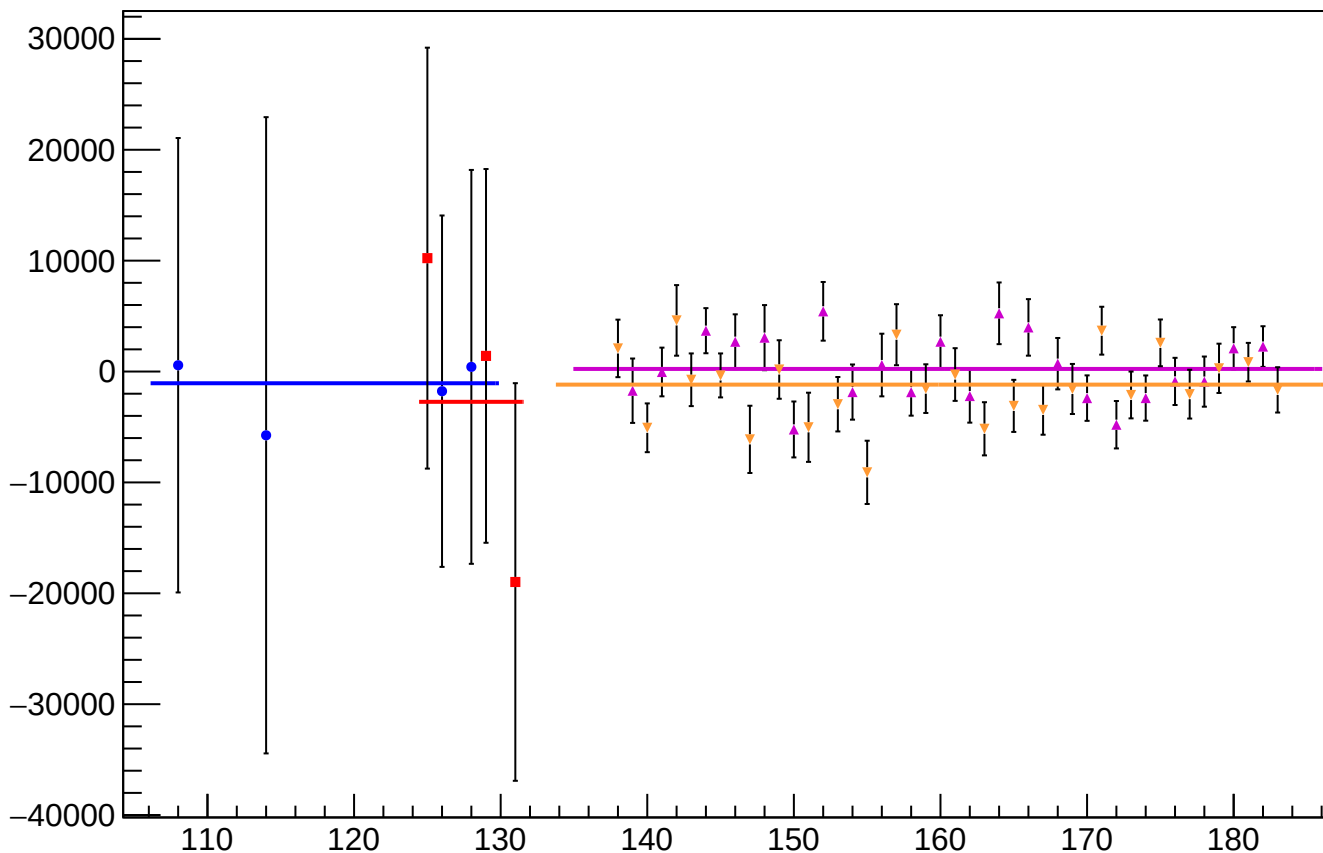
Left In: 261.549+/-0.045 χ^2/NDF : 228000.1/21

+ sign 270.806+/-0.039 χ^2/NDF : 952875.1/40

All: 271.714+/-0.028 χ^2/NDF : 2089125.2/81

- sign 272.663+/-0.040 χ^2/NDF : 1135129.7/40

asym_sam2_correction_mean vs Slug



Right In: -1057.023 ± 9645.185 χ^2/NDF : 0.0/3

Left Out: -1180.198 ± 474.592 χ^2/NDF : 38.7/23

Right Out: -2731.442 ± 10310.351 χ^2/NDF : 1.3/2

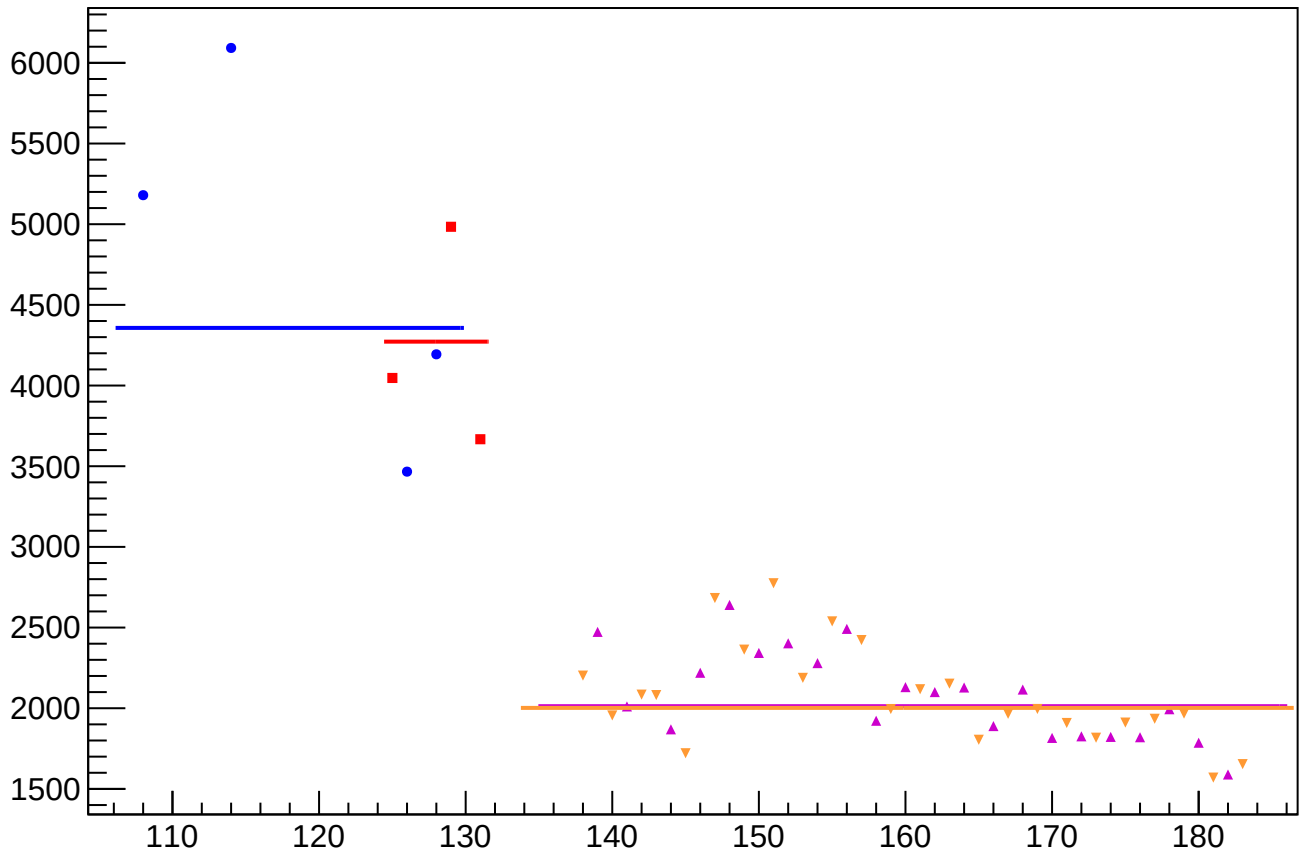
Left In: 234.451 ± 490.194 χ^2/NDF : 34.6/21

+ sign -1179.900 ± 474.019 χ^2/NDF : 38.7/27

All: -498.883 ± 340.571 χ^2/NDF : 79.0/52

- sign 227.762 ± 489.641 χ^2/NDF : 36.0/24

asym_sam2_correction_rms vs Slug



Right In: 4357.248 $\pm$ 6.820 χ^2/NDF : 17030.4/3

Left Out: 2002.100 $\pm$ 0.336 χ^2/NDF : 680195.4/23

Right Out: 4272.099 $\pm$ 7.291 χ^2/NDF : 6125.9/2

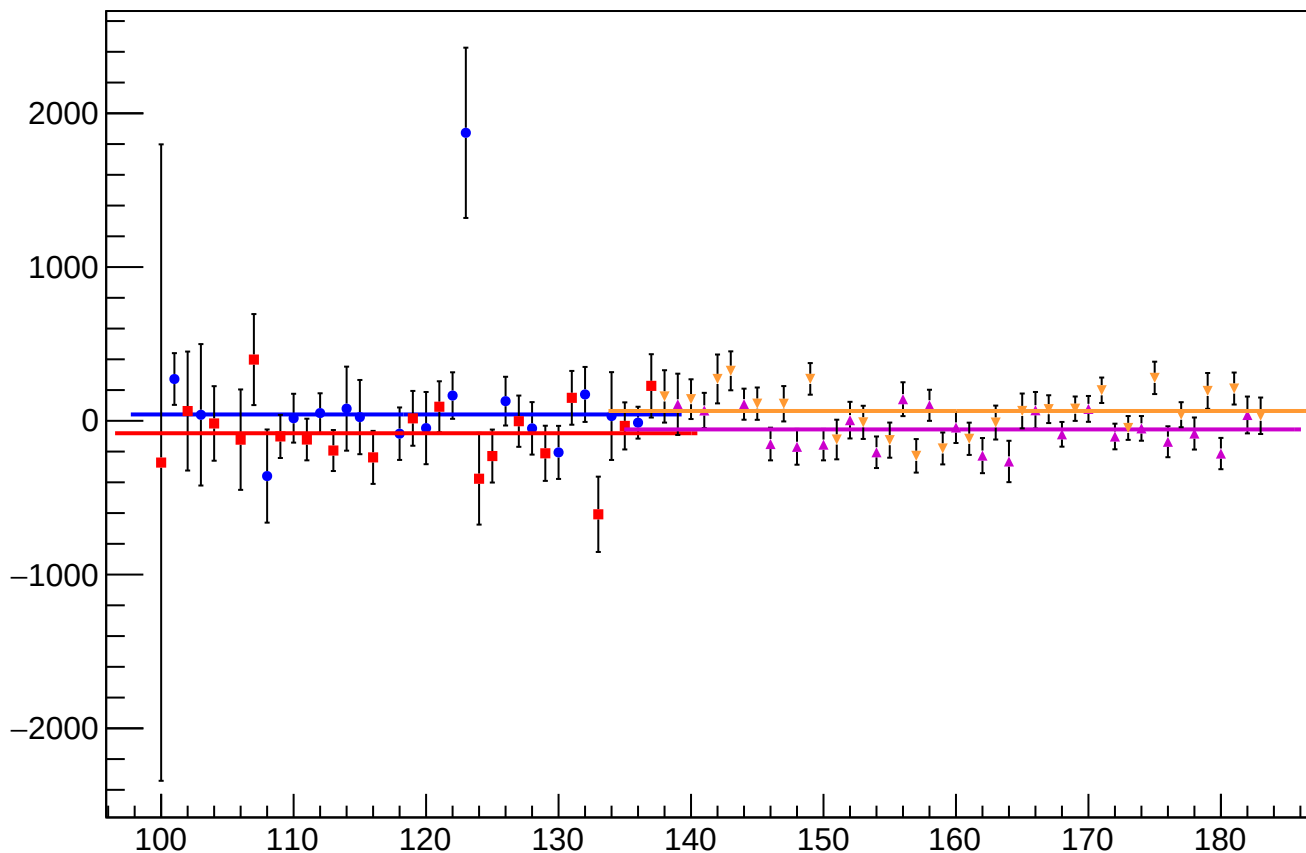
Left In: 2012.805 $\pm$ 0.347 χ^2/NDF : 549634.7/21

+ sign 2007.788 $\pm$ 0.335 χ^2/NDF : 816184.2/27

All: 2012.680 $\pm$ 0.241 χ^2/NDF : 1468203.4/52

- sign 2017.900 $\pm$ 0.346 χ^2/NDF : 651578.8/24

reg_asym_sam3_mean vs Slug



Right In: 41.443 ± 43.633 χ^2/NDF : 19.4/16

Left Out: 63.979 ± 21.418 χ^2/NDF : 44.8/23

Right Out: -80.808 ± 43.212 χ^2/NDF : 17.1/18

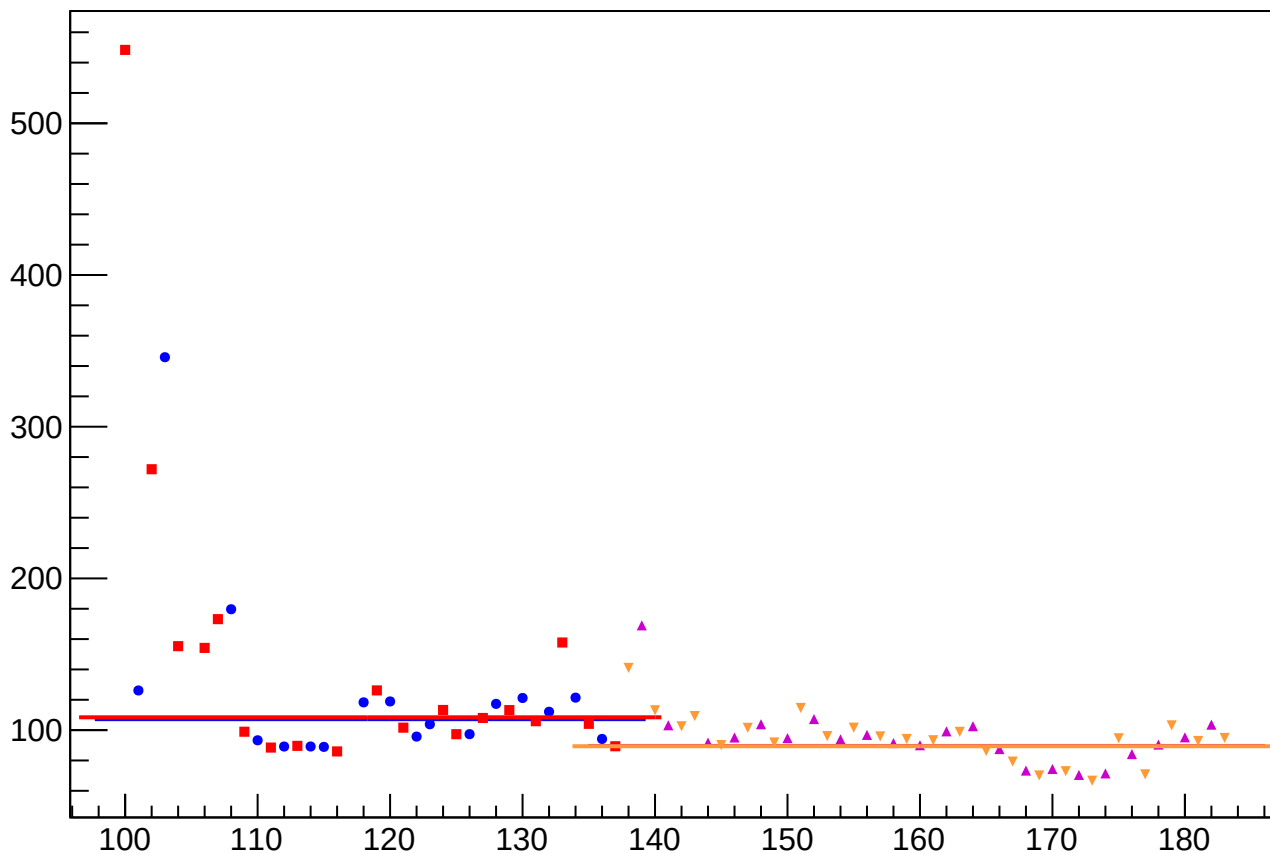
Left In: -55.923 ± 22.055 χ^2/NDF : 27.5/21

+ sign 59.603 ± 19.227 χ^2/NDF : 64.4/40

All: 0.564 ± 13.741 χ^2/NDF : 128.5/81

- sign -61.066 ± 19.644 χ^2/NDF : 44.8/40

reg_asym_sam3_rms vs Slug



Right In: 107.231 $\pm$ 0.031 χ^2 /NDF: 843493.4/16

Left Out: 89.378 $\pm$ 0.015 χ^2 /NDF:1012882.1/23

Right Out: 108.446 $\pm$ 0.031 χ^2 /NDF: 917457.6/18

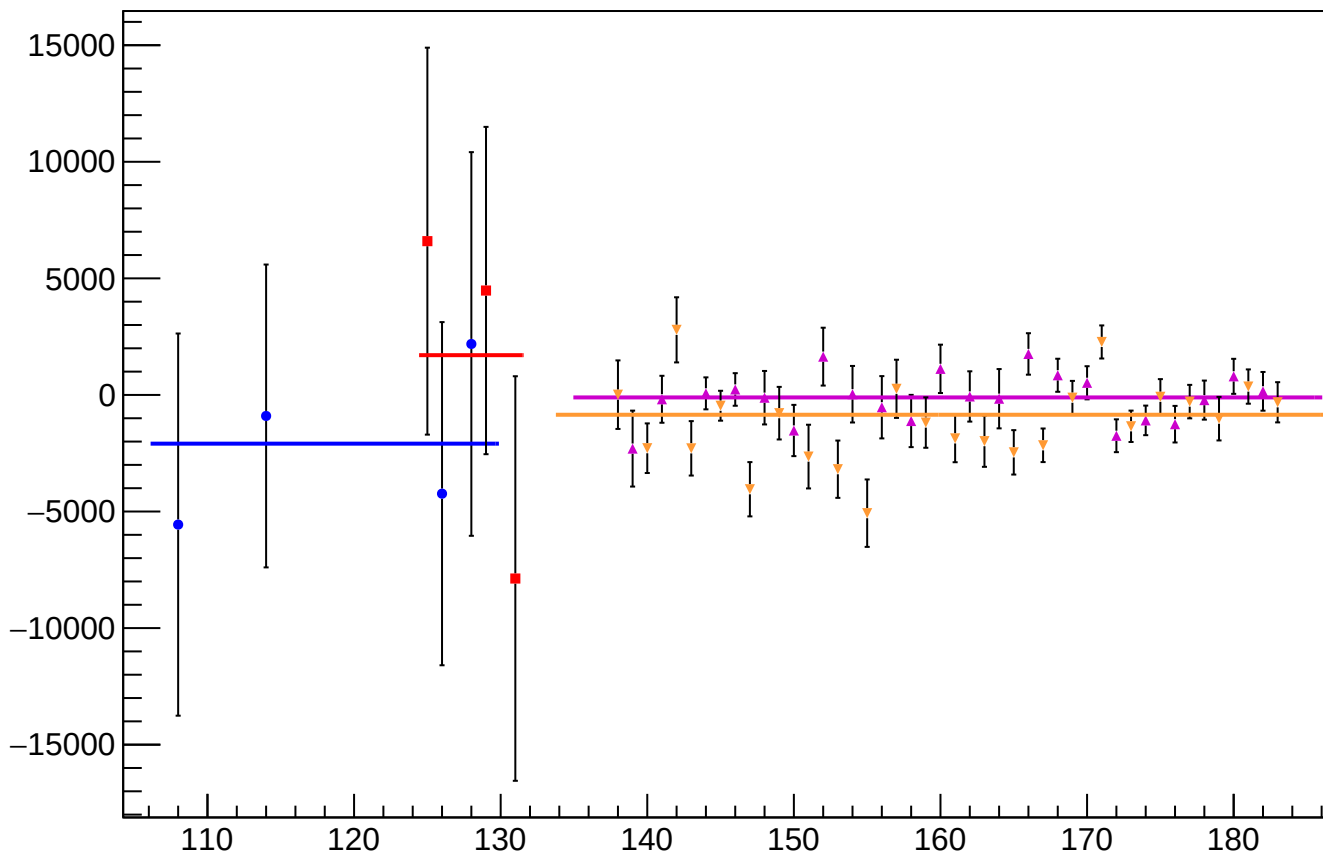
Left In: 89.564 $\pm$ 0.016 χ^2 /NDF:871987.2/21

+ sign 92.845 $\pm$ 0.014 χ^2 /NDF: 2126188.8/40

All: 93.149 $\pm$ 0.010 χ^2 /NDF: 4219609.1/81

- sign 93.466 $\pm$ 0.014 χ^2 /NDF: 2092398.3/40

asym_sam3_correction_mean vs Slug



Right In: -2089.367 ± 3731.168 χ^2/NDF : 0.6/3

Left Out: -850.003 ± 186.725 χ^2/NDF : 67.1/23

Right Out: 1705.730 ± 4559.420 χ^2/NDF : 1.7/2

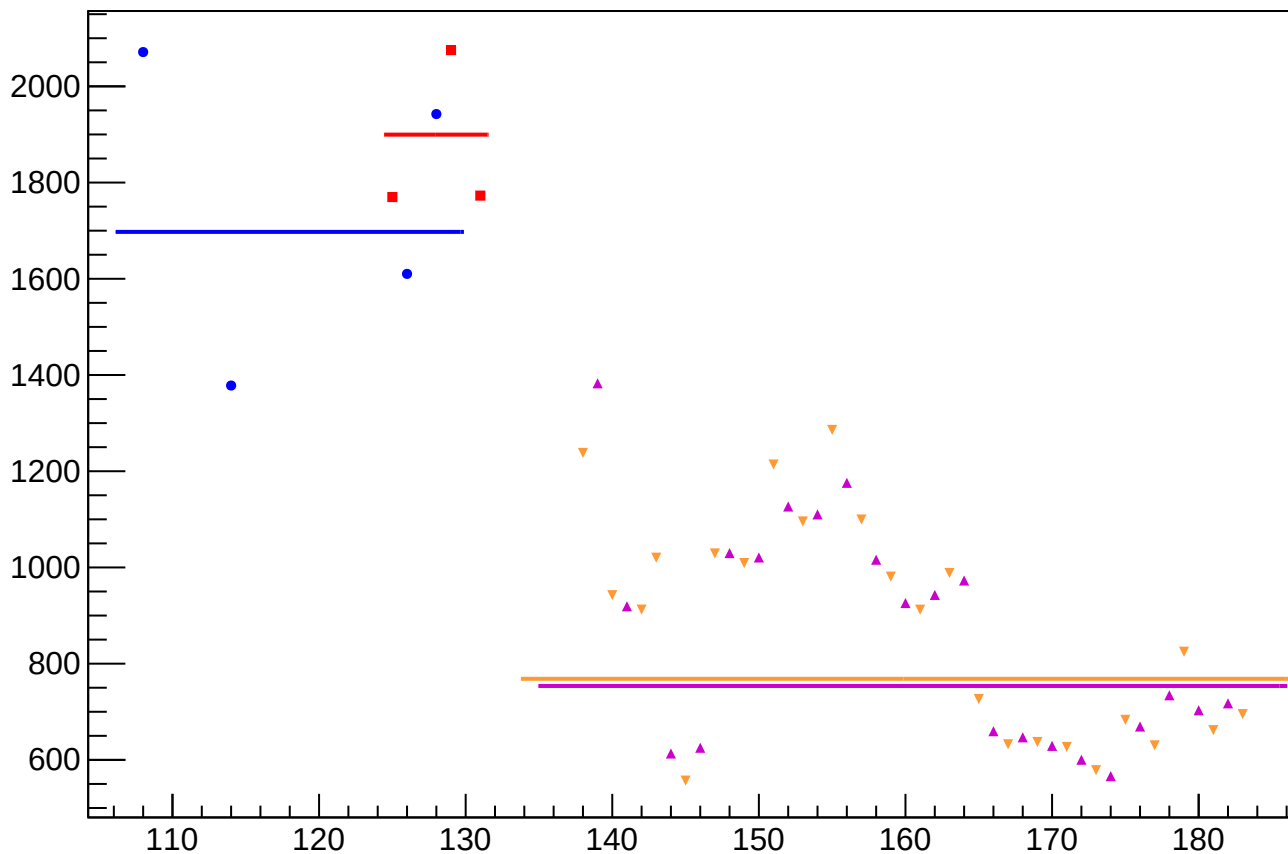
Left In: -106.819 ± 188.203 χ^2/NDF : 26.7/21

+ sign -853.099 ± 186.492 χ^2/NDF : 67.7/27

All: -481.521 ± 132.415 χ^2/NDF : 104.3/52

- sign -103.735 ± 188.043 χ^2/NDF : 28.5/24

asym_sam3_correction_rms vs Slug



Right In: 1697.477 $\pm$ 2.638 χ^2 /NDF: 11050.0/3

Left Out: 768.554 $\pm$ 0.132 χ^2 /NDF: 2272458.2/23

Right Out: 1899.639 $\pm$ 3.224 χ^2 /NDF: 2170.1/2

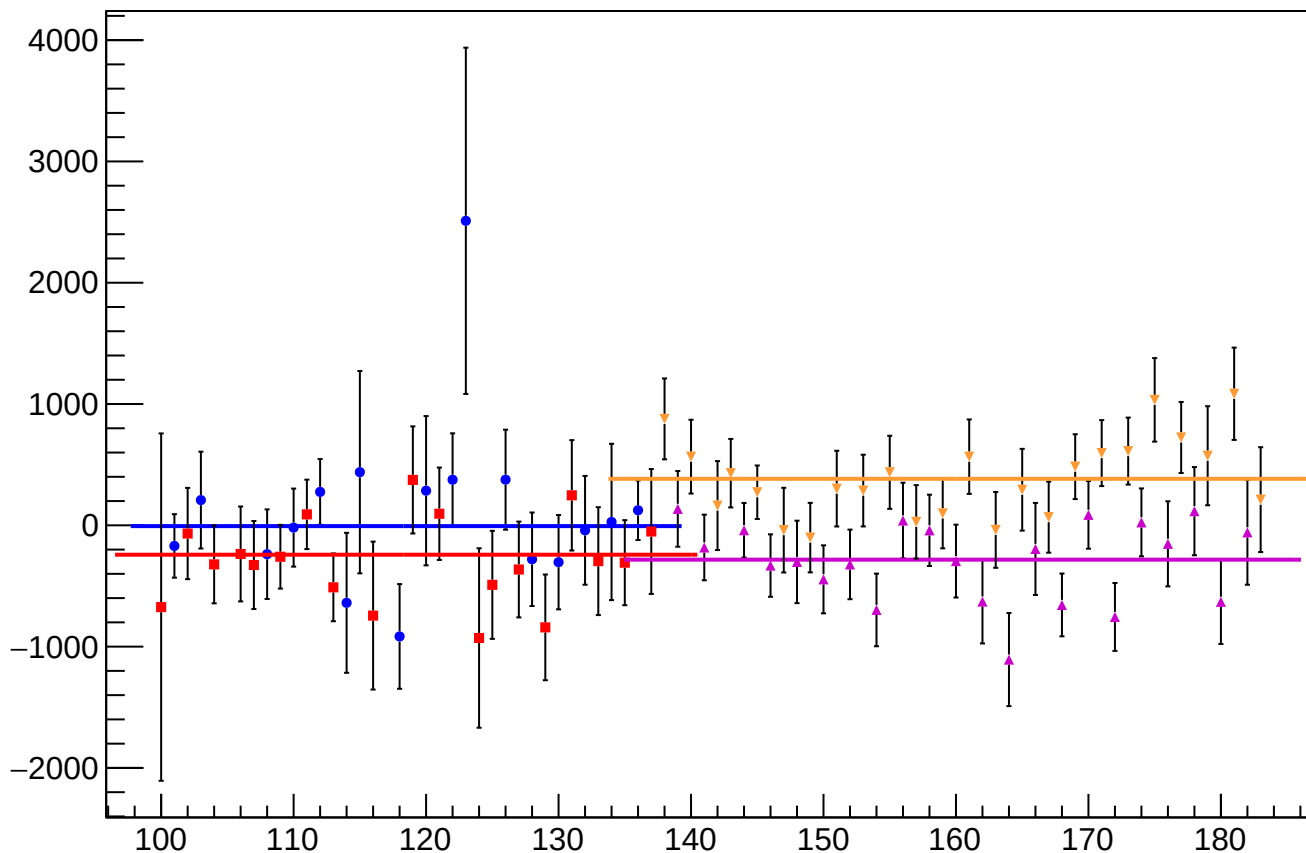
Left In: 753.638 $\pm$ 0.133 χ^2 /NDF: 2012866.2/21

+ sign 770.874 $\pm$ 0.132 χ^2 /NDF: 2407163.9/27

All: 763.294 $\pm$ 0.094 χ^2 /NDF: 4555001.0/52

- sign 755.587 $\pm$ 0.133 χ^2 /NDF: 2141173.1/24

reg_asym_sam4_mean vs Slug



Right In: -6.497 ± 93.462 χ^2/NDF : 14.7/16

Left Out: 383.451 ± 62.413 χ^2/NDF : 23.6/23

Right Out: -242.246 ± 89.108 χ^2/NDF : 10.6/18

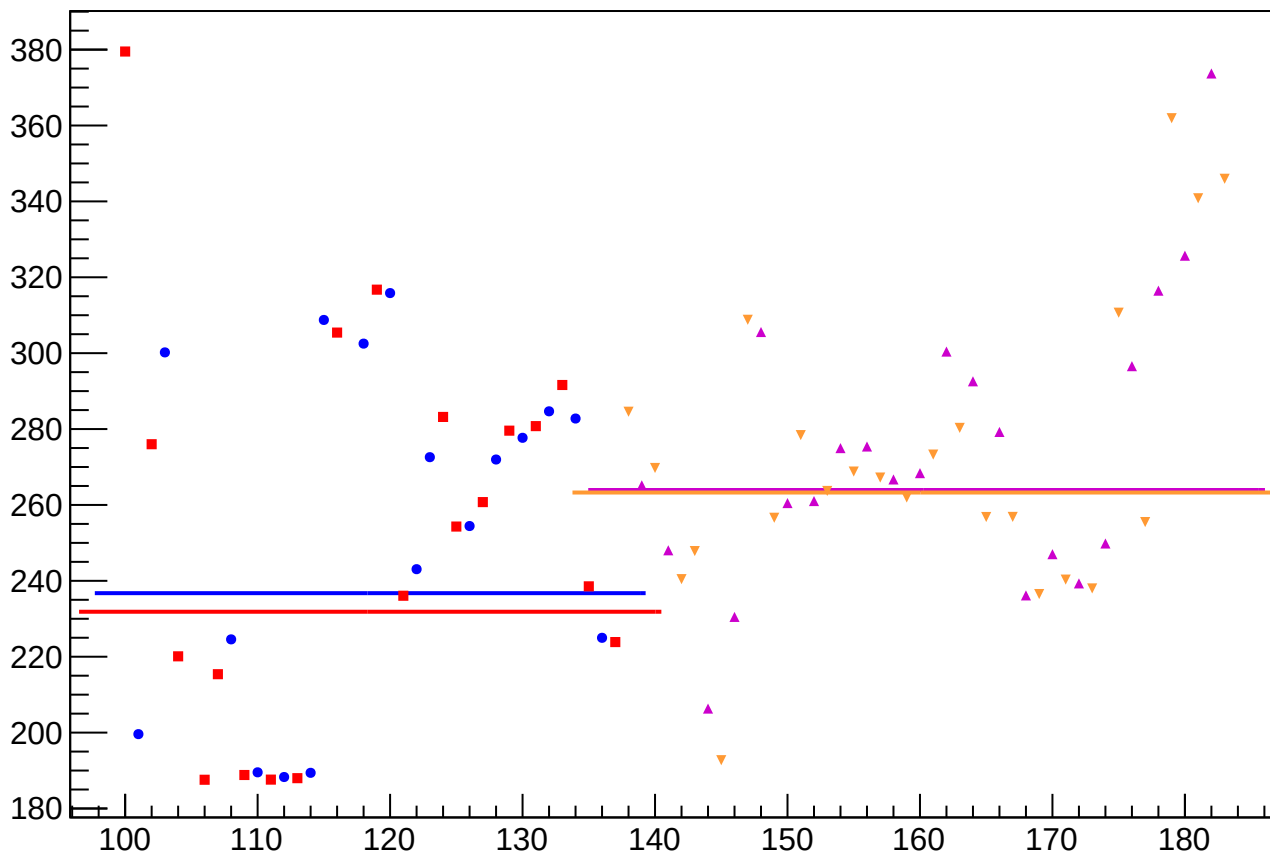
Left In: -283.096 ± 64.385 χ^2/NDF : 23.3/21

+ sign 263.185 ± 51.904 χ^2/NDF : 50.3/40

All: -1.500 ± 36.801 χ^2/NDF : 136.7/81

- sign -269.084 ± 52.187 χ^2/NDF : 34.1/40

reg_asym_sam4_rms vs Slug



Right In: 236.750 $\pm$ 0.066 χ^2 /NDF: 390018.3/16

Left Out: 263.275 $\pm$ 0.044 χ^2 /NDF: 641217.6/23

Right Out: 231.853 $\pm$ 0.063 χ^2 /NDF: 445120.6/18

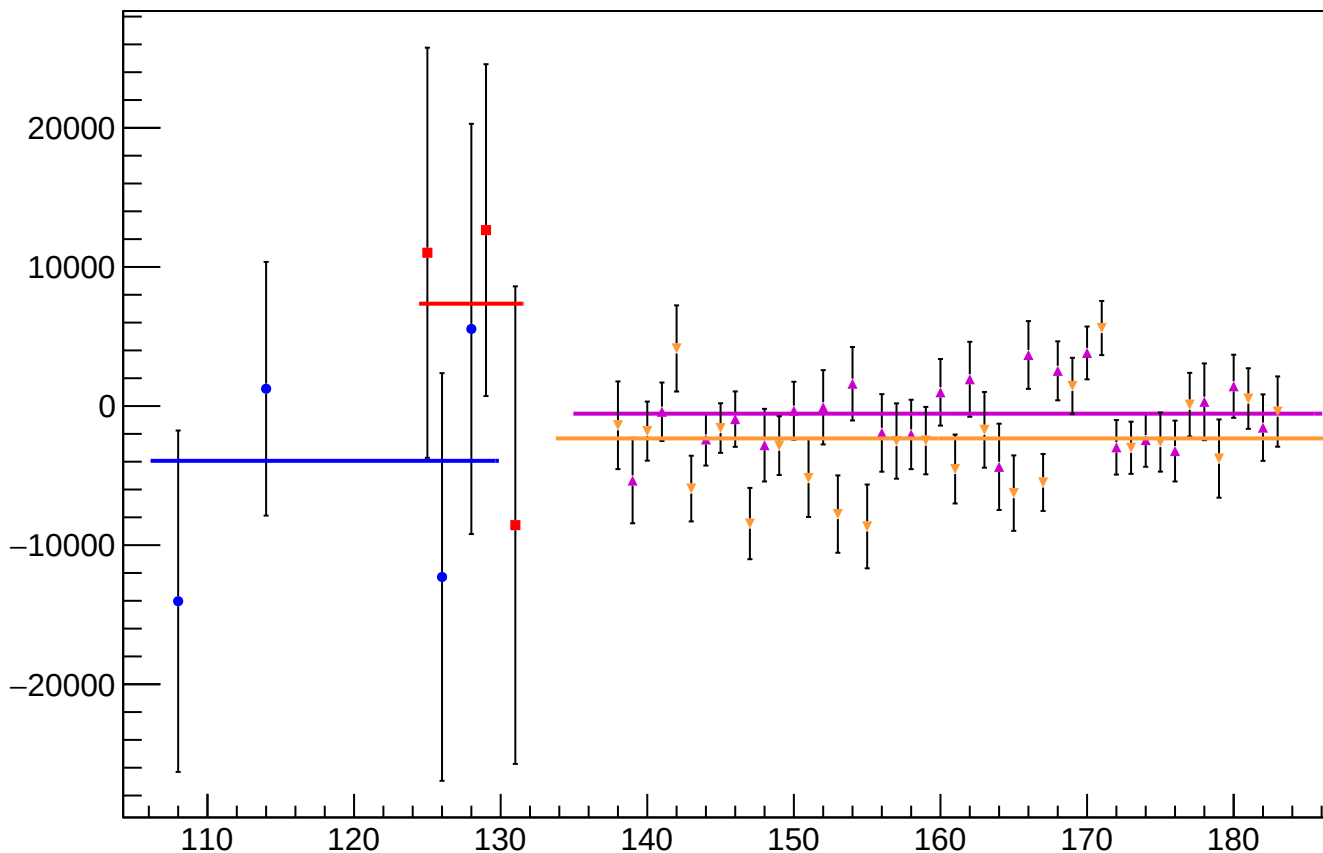
Left In: 263.938 $\pm$ 0.046 χ^2 /NDF: 547302.9/21

+ sign 255.094 $\pm$ 0.037 χ^2 /NDF: 1142645.3/40

All: 254.019 $\pm$ 0.026 χ^2 /NDF: 2307150.7/81

- sign 252.933 $\pm$ 0.037 χ^2 /NDF: 1162781.5/40

asym_sam4_correction_mean vs Slug



Right In: -3937.127 $\pm$ 5984.477 χ^2/NDF : 1.7/3

Left Out: -2326.725 $\pm$ 479.938 χ^2/NDF : 51.3/23

Right Out: 7358.957 $\pm$ 8158.706 χ^2/NDF : 1.1/2

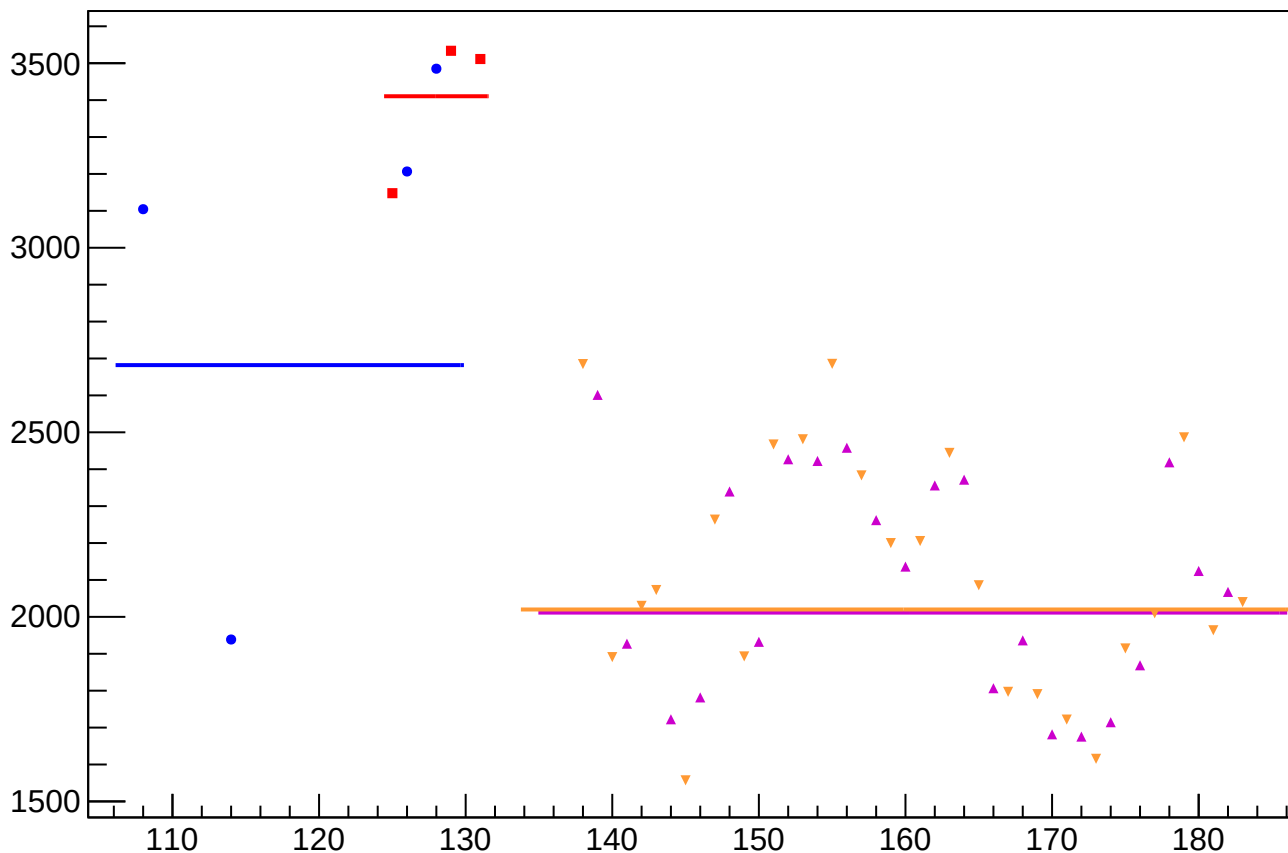
Left In: -546.451 $\pm$ 491.171 χ^2/NDF : 23.7/21

+ sign -2337.016 $\pm$ 478.402 χ^2/NDF : 53.1/27

All: -1449.768 $\pm$ 342.405 χ^2/NDF : 86.0/52

- sign -517.903 $\pm$ 490.283 χ^2/NDF : 25.8/24

asym_sam4_correction_rms vs Slug



Right In: 2682.064 $\pm$ 4.232 χ^2 /NDF: 24157.5/3

Left Out: 2019.972 $\pm$ 0.339 χ^2 /NDF: 820005.4/23

Right Out: 3410.484 $\pm$ 5.769 χ^2 /NDF: 916.8/2

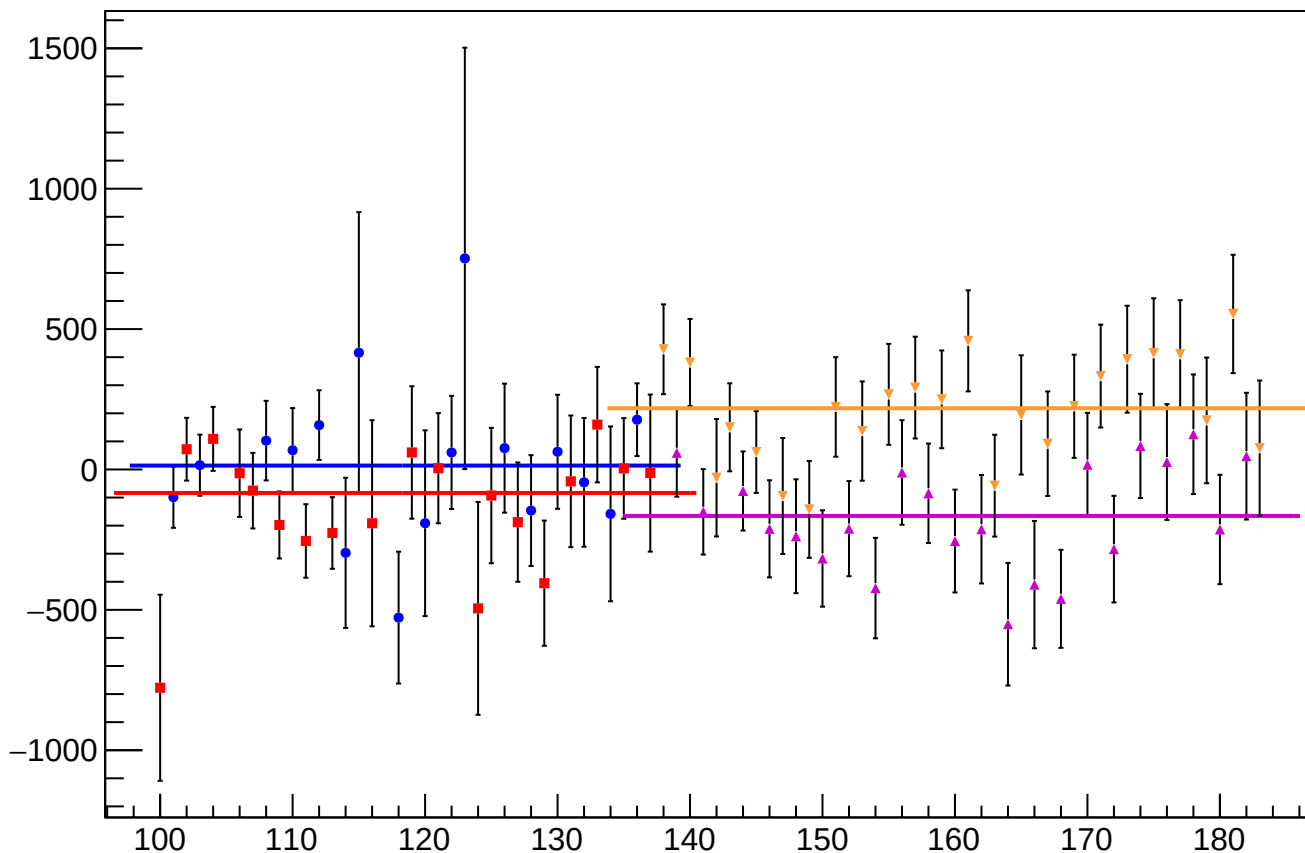
Left In: 2011.545 $\pm$ 0.347 χ^2 /NDF: 660483.5/21

+ sign 2024.203 $\pm$ 0.338 χ^2 /NDF: 868486.7/27

All: 2020.493 $\pm$ 0.242 χ^2 /NDF: 1588722.3/52

- sign 2016.597 $\pm$ 0.347 χ^2 /NDF: 719989.0/24

reg_asym_sam5_mean vs Slug



Right In: 13.853 $\pm$ 42.364 χ^2 /NDF: 14.4/16

Left Out: 218.090 $\pm$ 37.303 χ^2 /NDF:23.4/23

Right Out: -83.643 $\pm$ 39.037 χ^2 /NDF: 19.2/18

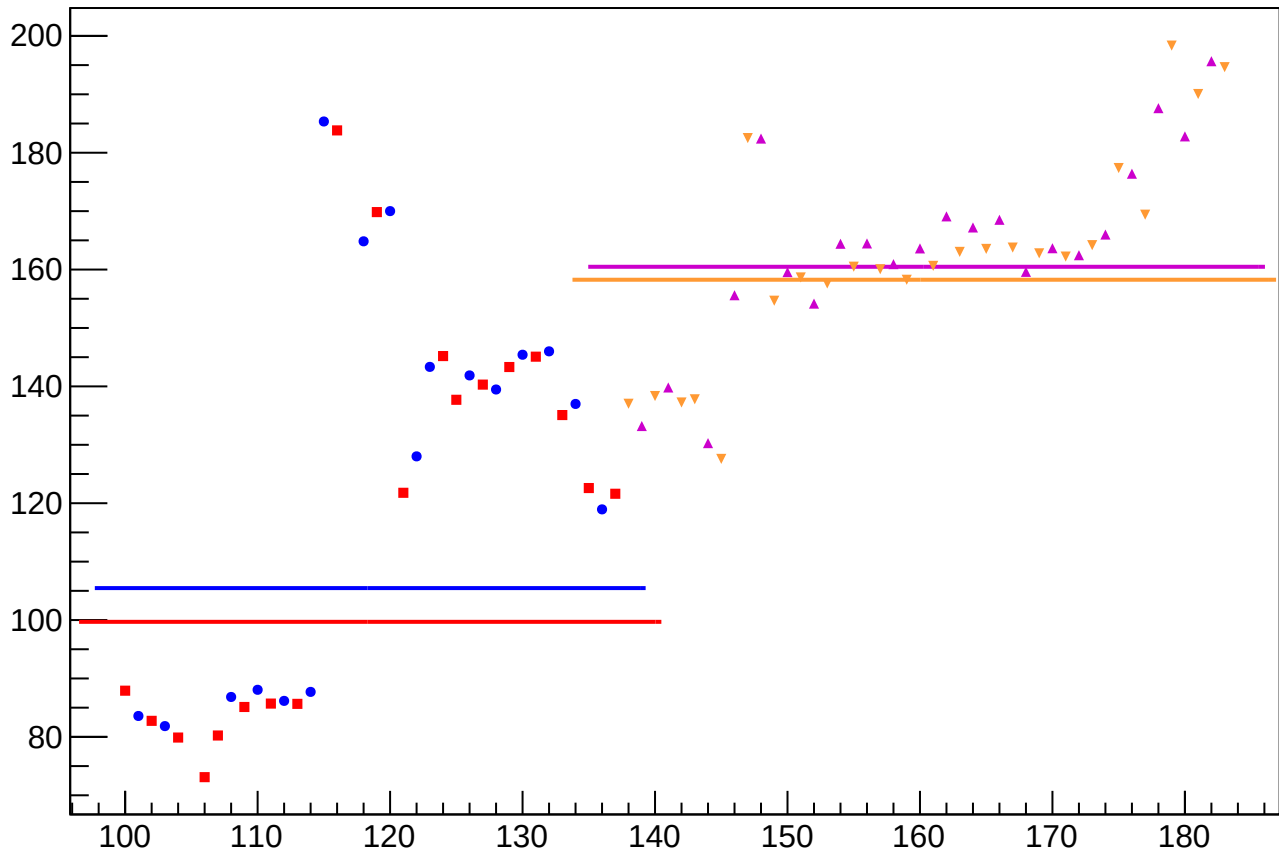
Left In: -165.527 $\pm$ 38.911 χ^2 /NDF:20.8/21

+ sign 128.893 $\pm$ 27.996 χ^2 /NDF: 50.9/40

All: 0.090 $\pm$ 19.640 χ^2 /NDF: 134.8/81

- sign -124.717 $\pm$ 27.559 χ^2 /NDF: 42.1/40

reg_asym_sam5_rms vs Slug



Right In: 105.470 $\pm$ 0.030 χ^2 /NDF: 870293.2/16

Left Out: 158.258 $\pm$ 0.026 χ^2 /NDF: 430054.8/23

Right Out: 99.695 $\pm$ 0.028 χ^2 /NDF: 1000657.3/18

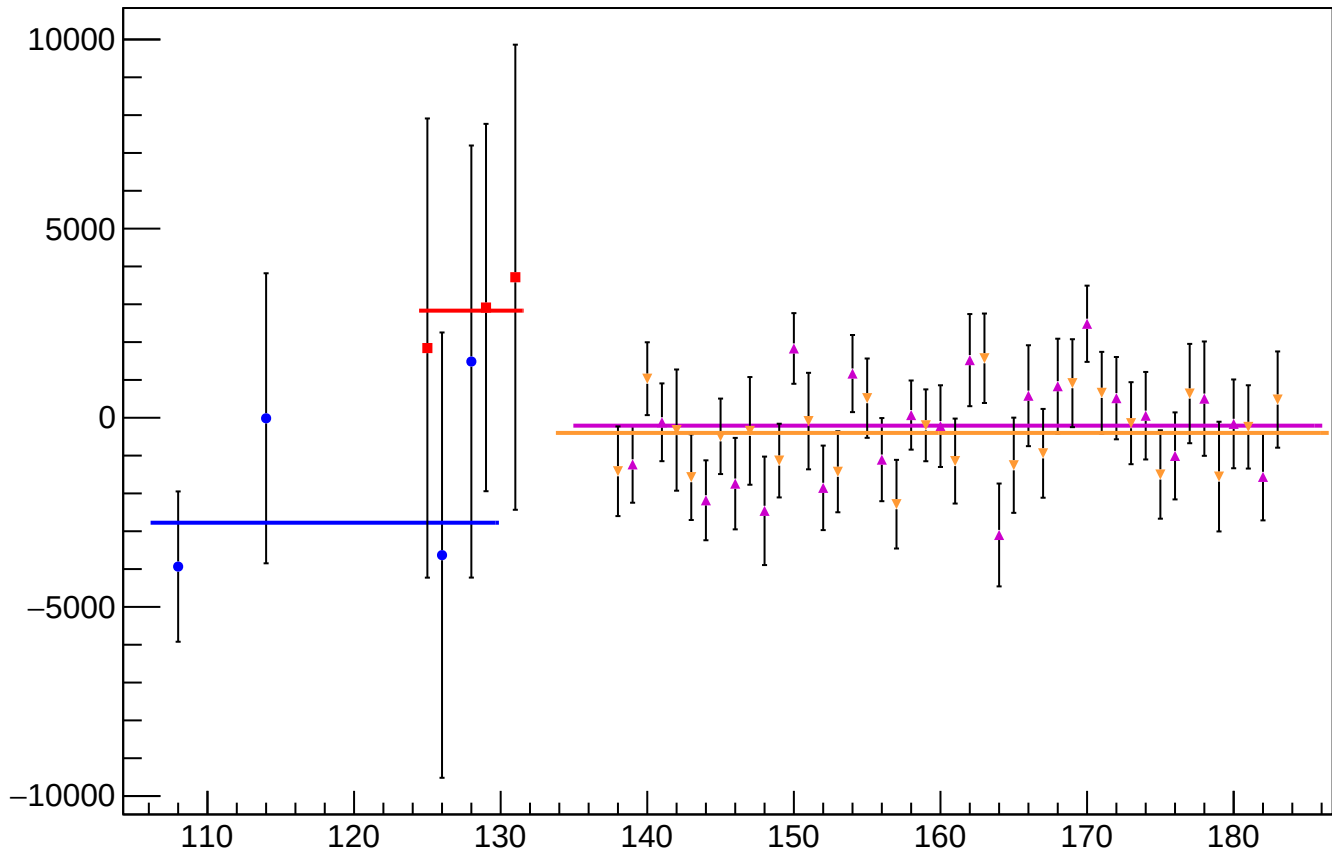
Left In: 160.477 $\pm$ 0.028 χ^2 /NDF: 350236.0/21

+ sign 135.204 $\pm$ 0.020 χ^2 /NDF: 3049496.2/40

All: 132.654 $\pm$ 0.014 χ^2 /NDF: 6865270.0/81

- sign 130.184 $\pm$ 0.019 χ^2 /NDF: 3783110.6/40

asym_sam5_correction_mean vs Slug



Right In: -2774.520 ± 1620.377 $\chi^2/\text{NDF}: 1.4/3$

Left Out: -400.578 ± 233.858 $\chi^2/\text{NDF}: 17.8/23$

Right Out: 2831.759 ± 3227.072 $\chi^2/\text{NDF}: 0.0/2$

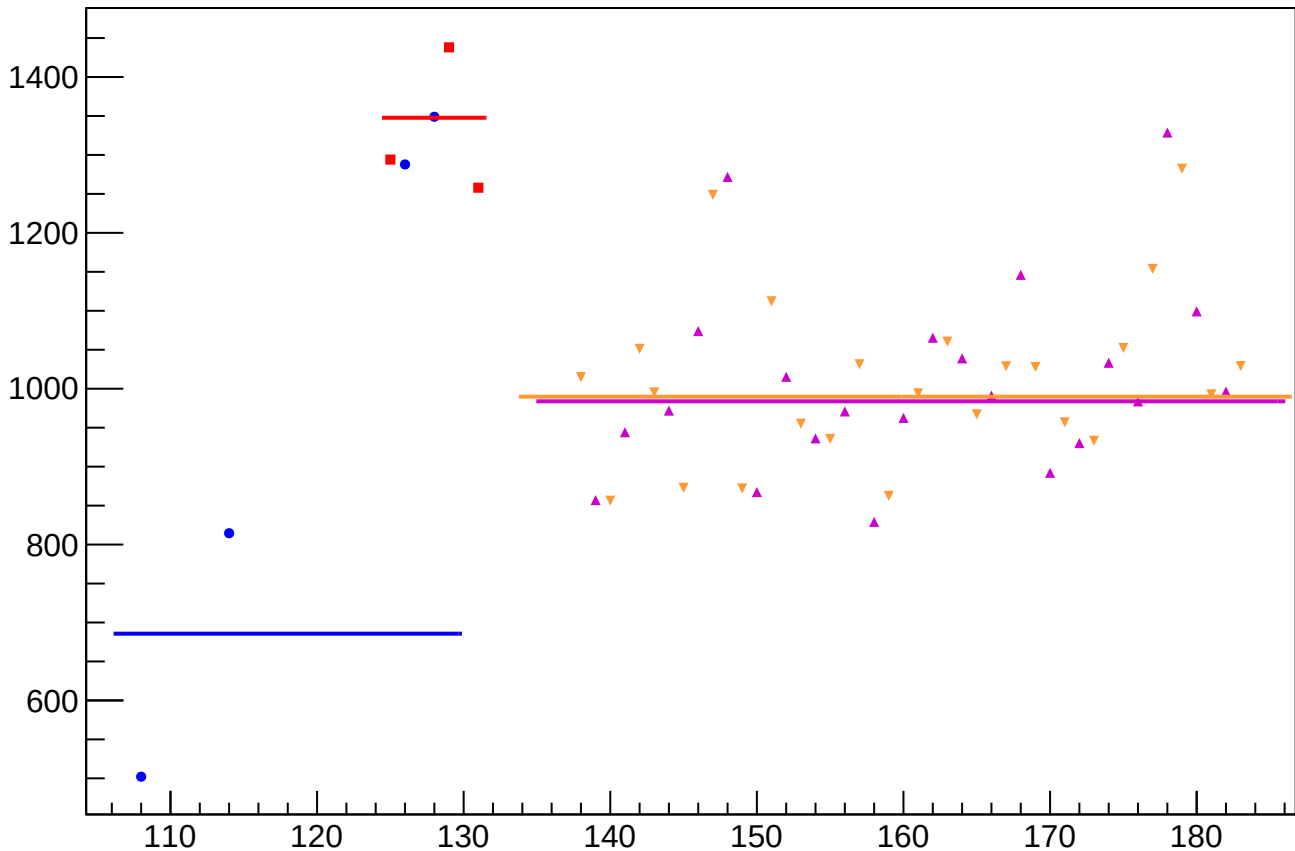
Left In: -208.730 ± 239.444 $\chi^2/\text{NDF}: 35.4/21$

+ sign -449.017 ± 231.460 $\chi^2/\text{NDF}: 21.3/27$

All: -324.552 ± 166.197 $\chi^2/\text{NDF}: 58.3/52$

- sign -192.083 ± 238.787 $\chi^2/\text{NDF}: 36.4/24$

asym_sam5_correction_rms vs Slug



Right In: 685.658 ± 1.146 χ^2/NDF : 67240.3/3

Left Out: 989.784 ± 0.165 χ^2/NDF : 369176.7/23

Right Out: 1347.722 ± 2.282 χ^2/NDF : 1275.5/2

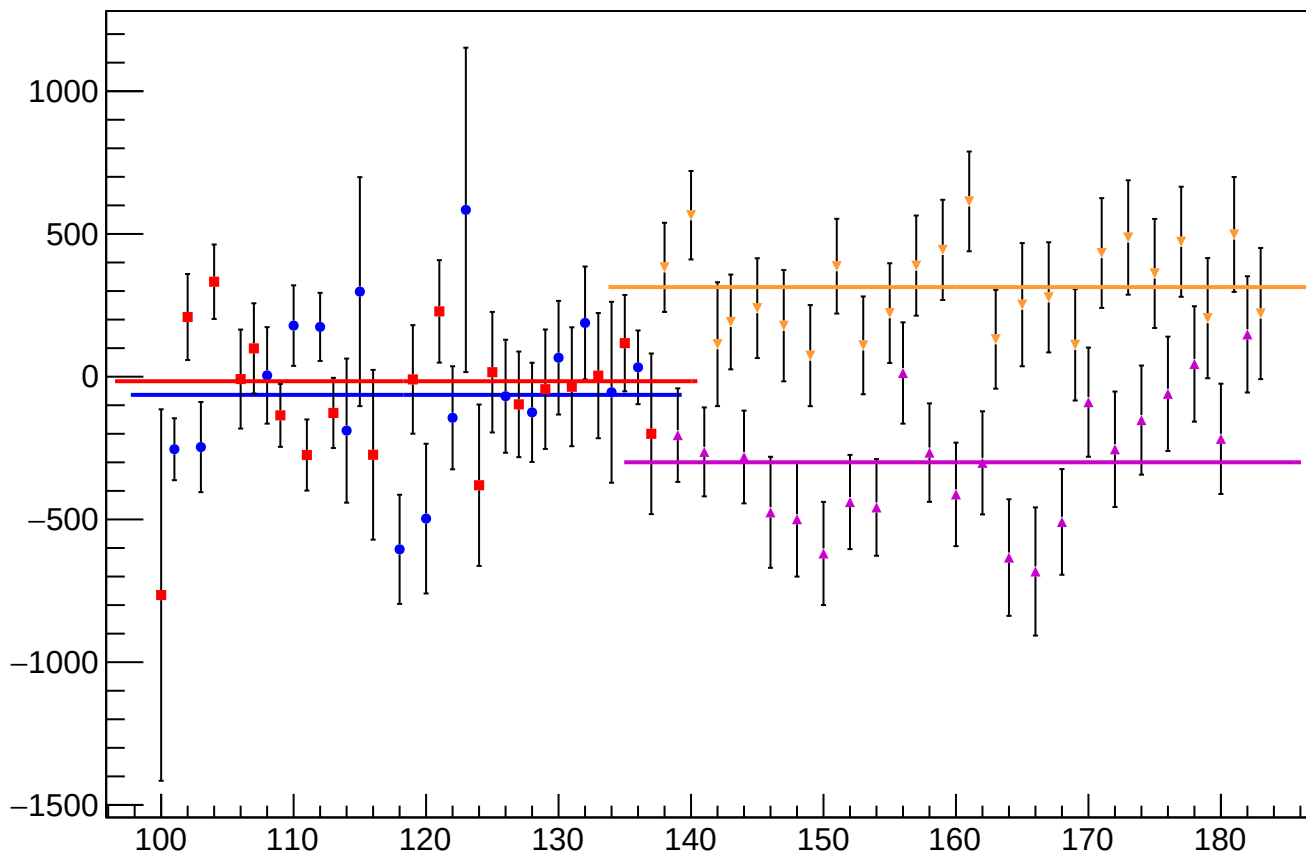
Left In: 983.832 ± 0.169 χ^2/NDF : 416257.7/21

+ sign 983.579 ± 0.164 χ^2/NDF : 505433.6/27

All: 984.666 ± 0.118 χ^2/NDF : 948349.2/52

- sign 985.824 ± 0.169 χ^2/NDF : 442824.4/24

reg_asym_sam6_mean vs Slug



Right In: -63.627 ± 42.336 χ^2/NDF : 27.6/16

Left Out: 313.850 ± 37.462 χ^2/NDF : 17.8/23

Right Out: -15.859 ± 39.532 χ^2/NDF : 23.1/18

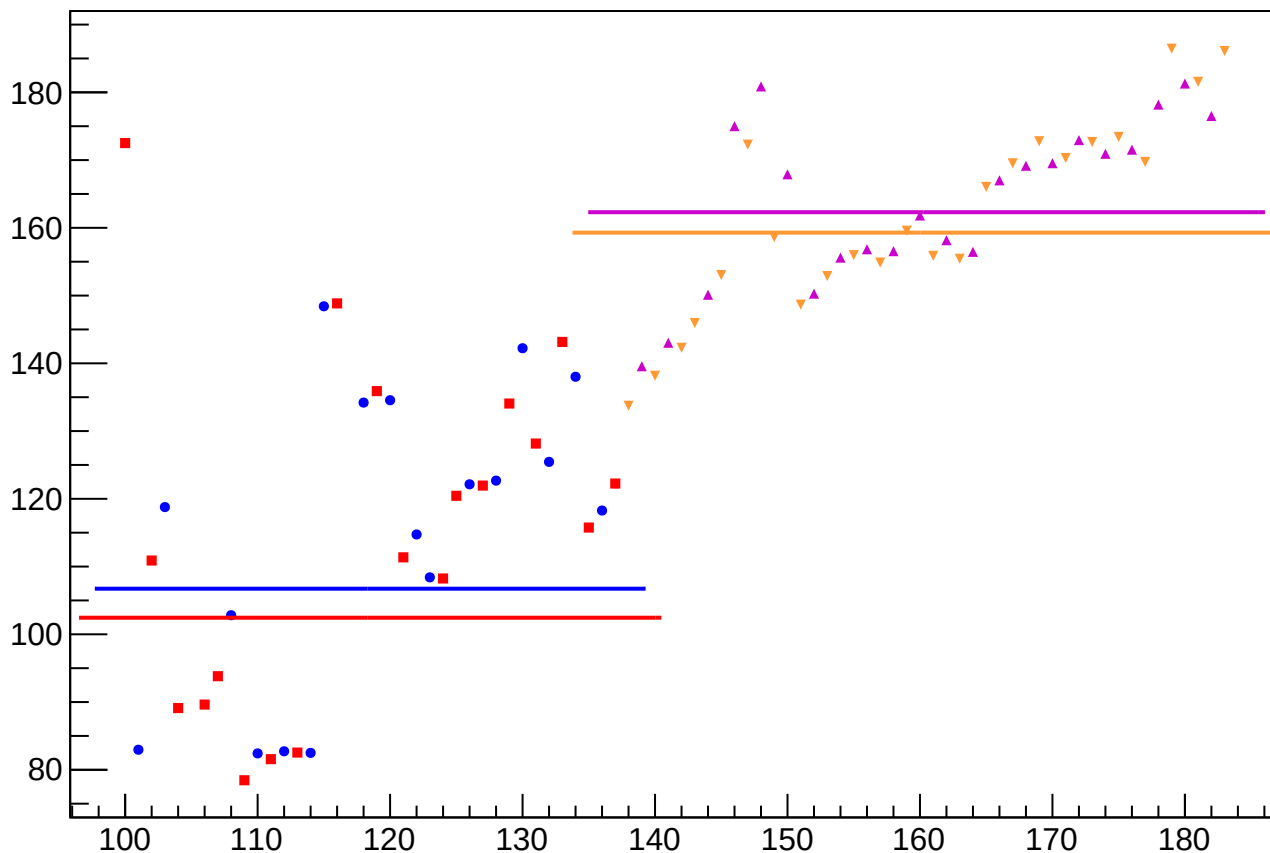
Left In: -299.802 ± 39.256 χ^2/NDF : 28.5/21

+ sign 148.084 ± 28.055 χ^2/NDF : 89.9/40

All: -6.468 ± 19.767 χ^2/NDF : 227.8/81

- sign -158.824 ± 27.855 χ^2/NDF : 77.6/40

reg_asym_sam6_rms vs Slug



Right In: 106.733 $\pm$ 0.030 χ^2 /NDF: 503149.3/16

Left Out: 159.292 $\pm$ 0.026 χ^2 /NDF: 276617.4/23

Right Out: 102.452 $\pm$ 0.028 χ^2 /NDF: 591027.5/18

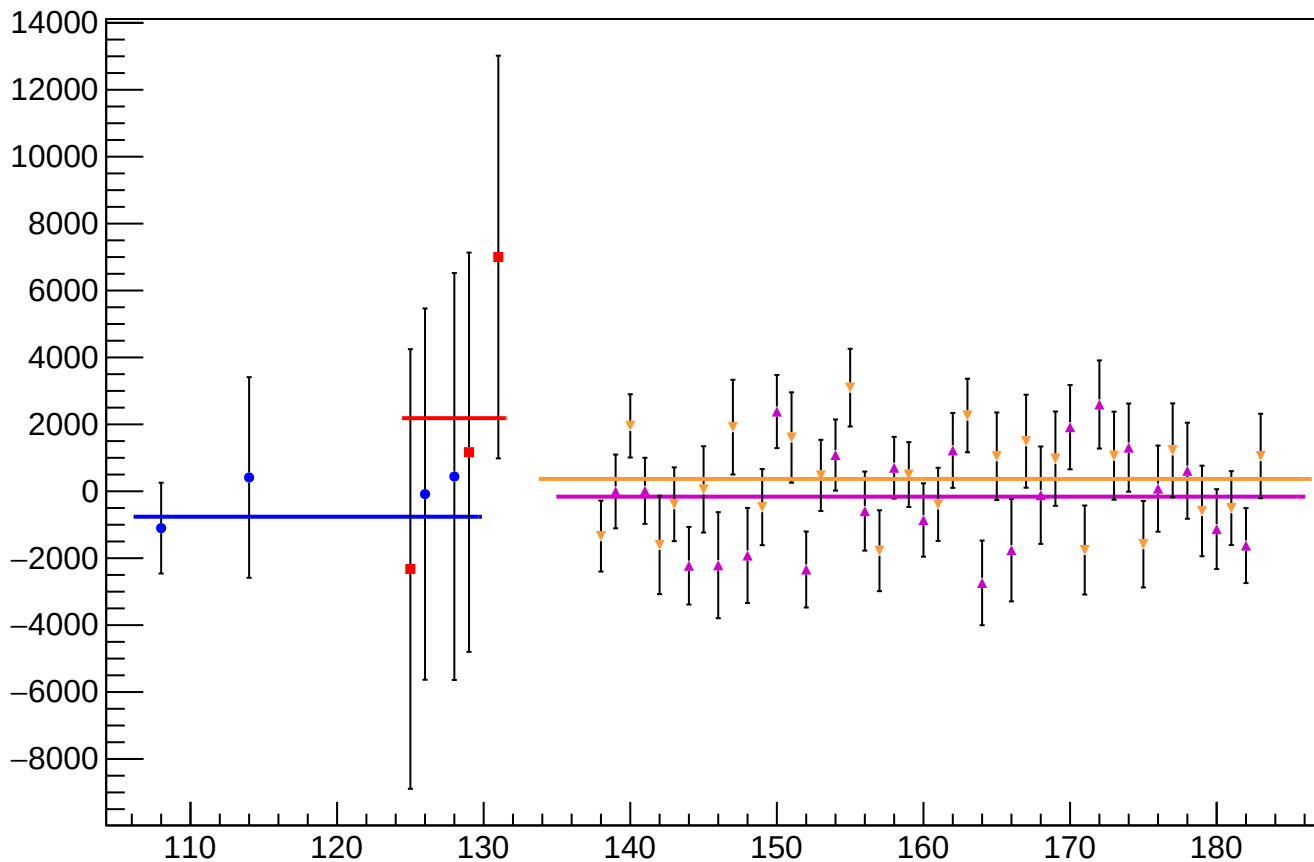
Left In: 162.307 $\pm$ 0.028 χ^2 /NDF: 190236.6/21

+ sign 136.211 $\pm$ 0.020 χ^2 /NDF: 2508570.0/40

All: 134.387 $\pm$ 0.014 χ^2 /NDF: 5615155.1/81

- sign 132.589 $\pm$ 0.020 χ^2 /NDF: 3089792.0/40

asym_sam6_correction_mean vs Slug



Right In: -760.095+/-1183.340 χ^2/NDF : 0.3/3

Left Out: 369.319+/-245.435 χ^2/NDF : 30.5/23

Right Out: 2184.893+/-3560.609 χ^2/NDF : 1.1/2

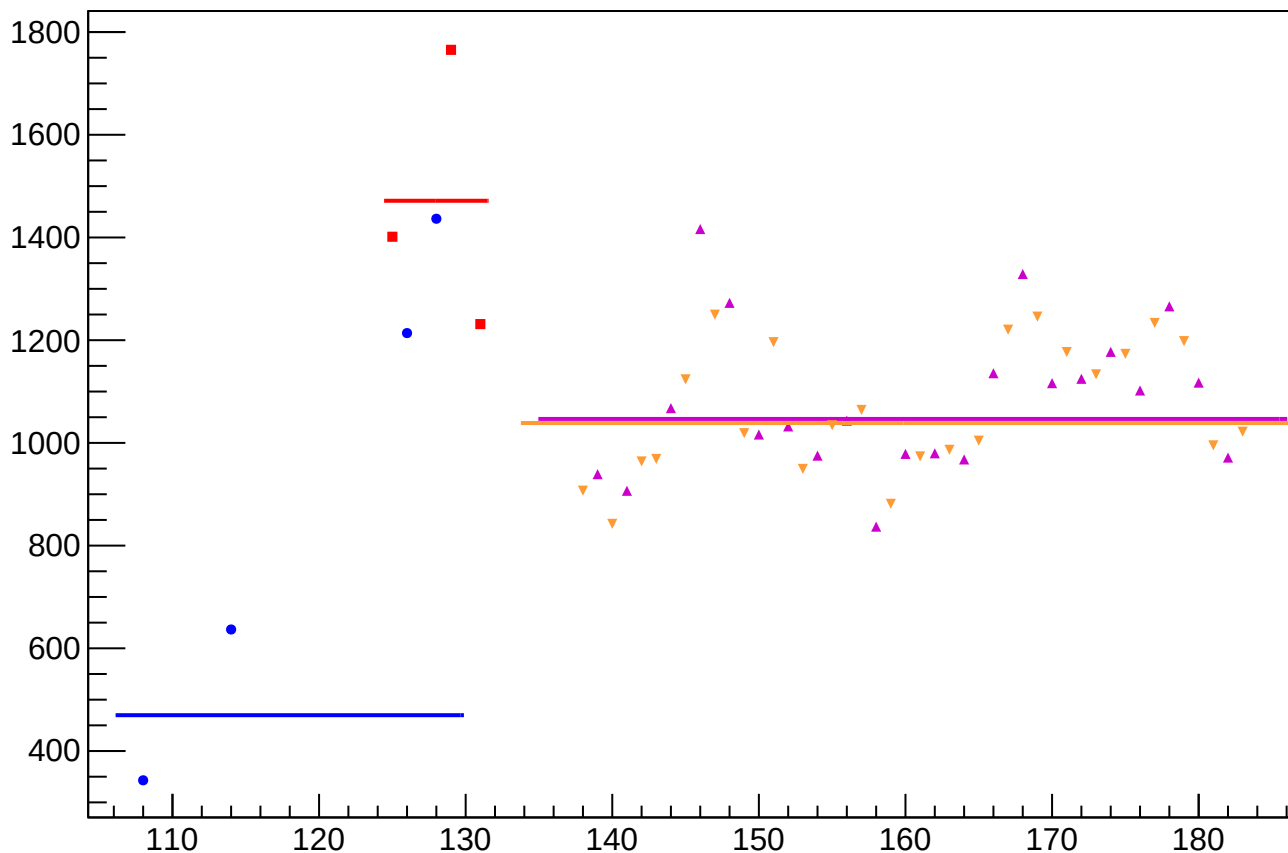
Left In: -160.461+/-254.834 χ^2/NDF : 36.1/21

+ sign 322.737+/-240.320 χ^2/NDF : 31.6/27

All: 100.316+/-174.627 χ^2/NDF : 71.1/52

- sign -148.508+/-254.184 χ^2/NDF : 37.7/24

asym_sam6_correction_rms vs Slug



Right In: 469.775+/-0.837 χ^2/NDF : 110192.0/3

Left Out: 1038.718+/-0.174 χ^2/NDF : 492721.9/23

Right Out: 1471.512+/-2.518 χ^2/NDF : 8264.7/2

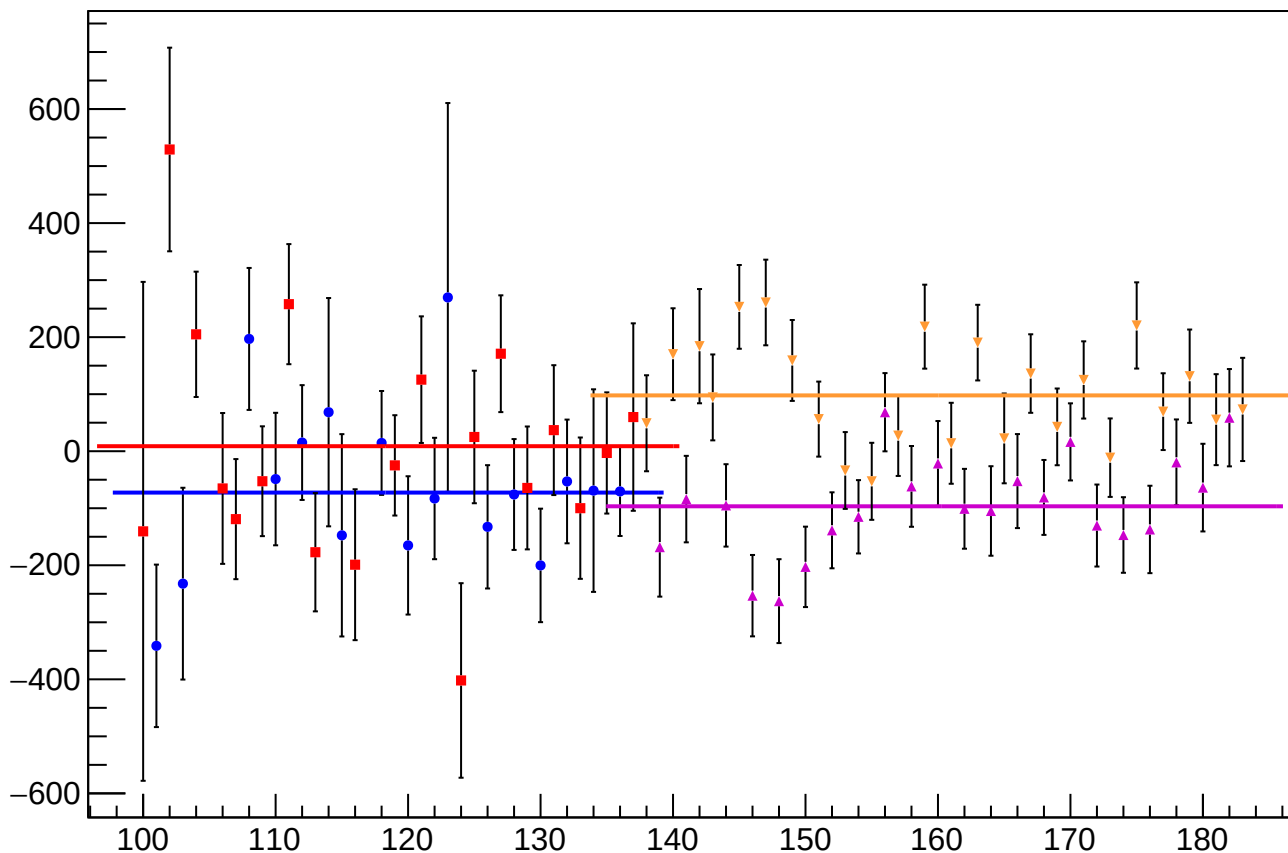
Left In: 1046.674+/-0.180 χ^2/NDF : 537620.4/21

+ sign 1015.252+/-0.170 χ^2/NDF : 1046171.1/27

All: 1031.105+/-0.123 χ^2/NDF : 1638822.3/52

- sign 1048.839+/-0.180 χ^2/NDF : 574212.6/24

reg_asym_sam7_mean vs Slug



Right In: -72.547 ± 28.434 χ^2/NDF : 15.1/16

Left Out: 97.872 ± 14.973 χ^2/NDF : 35.9/23

Right Out: 8.790 ± 26.889 χ^2/NDF : 36.2/18

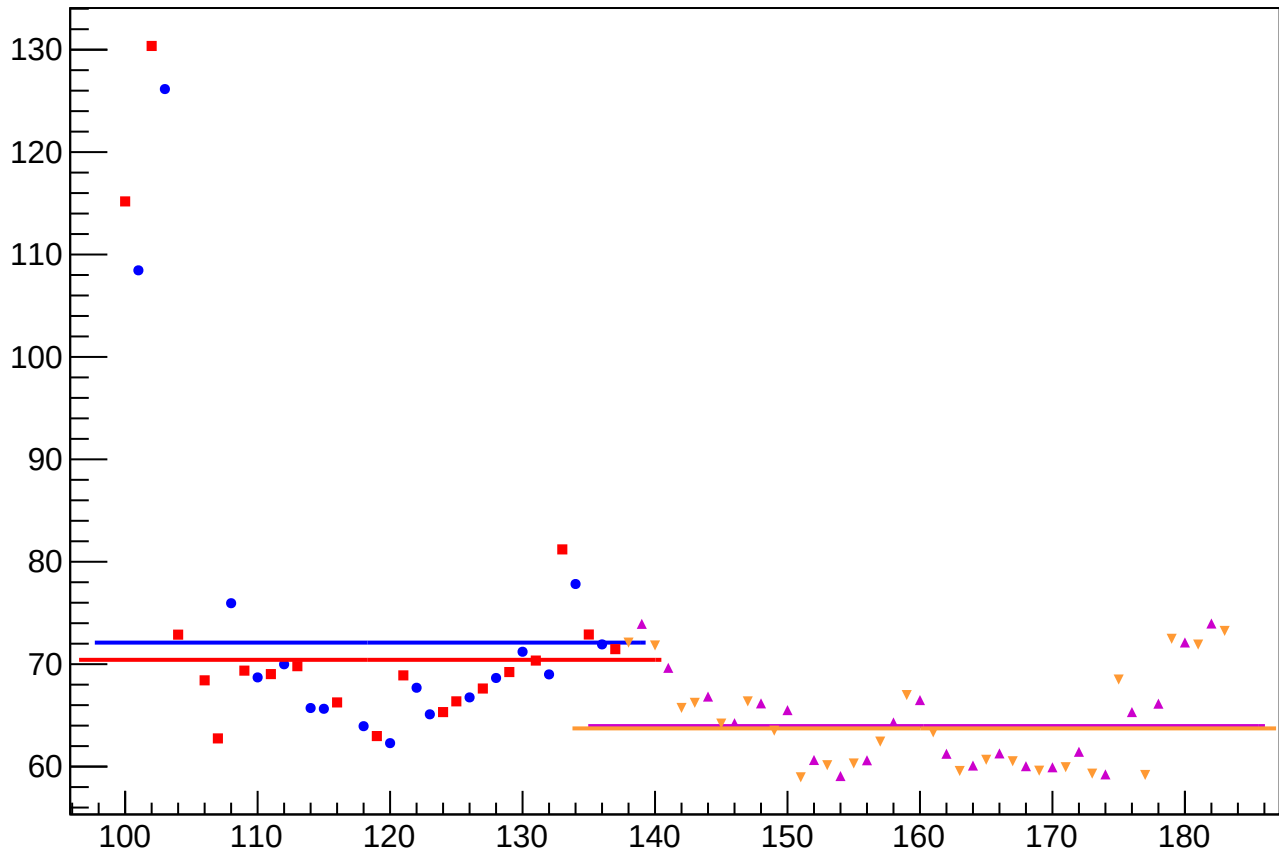
Left In: -96.598 ± 15.468 χ^2/NDF : 29.2/21

+ sign 60.874 ± 13.249 χ^2/NDF : 79.2/40

All: -3.975 ± 9.424 χ^2/NDF : 204.7/81

- sign -70.394 ± 13.408 χ^2/NDF : 77.0/40

reg_asym_sam7_rms vs Slug



Right In: 72.106 $\pm$ 0.020 χ^2 /NDF: 390789.8/16

Left Out: 63.728 $\pm$ 0.011 χ^2 /NDF: 192024.3/23

Right Out: 70.425 $\pm$ 0.019 χ^2 /NDF: 298038.7/18

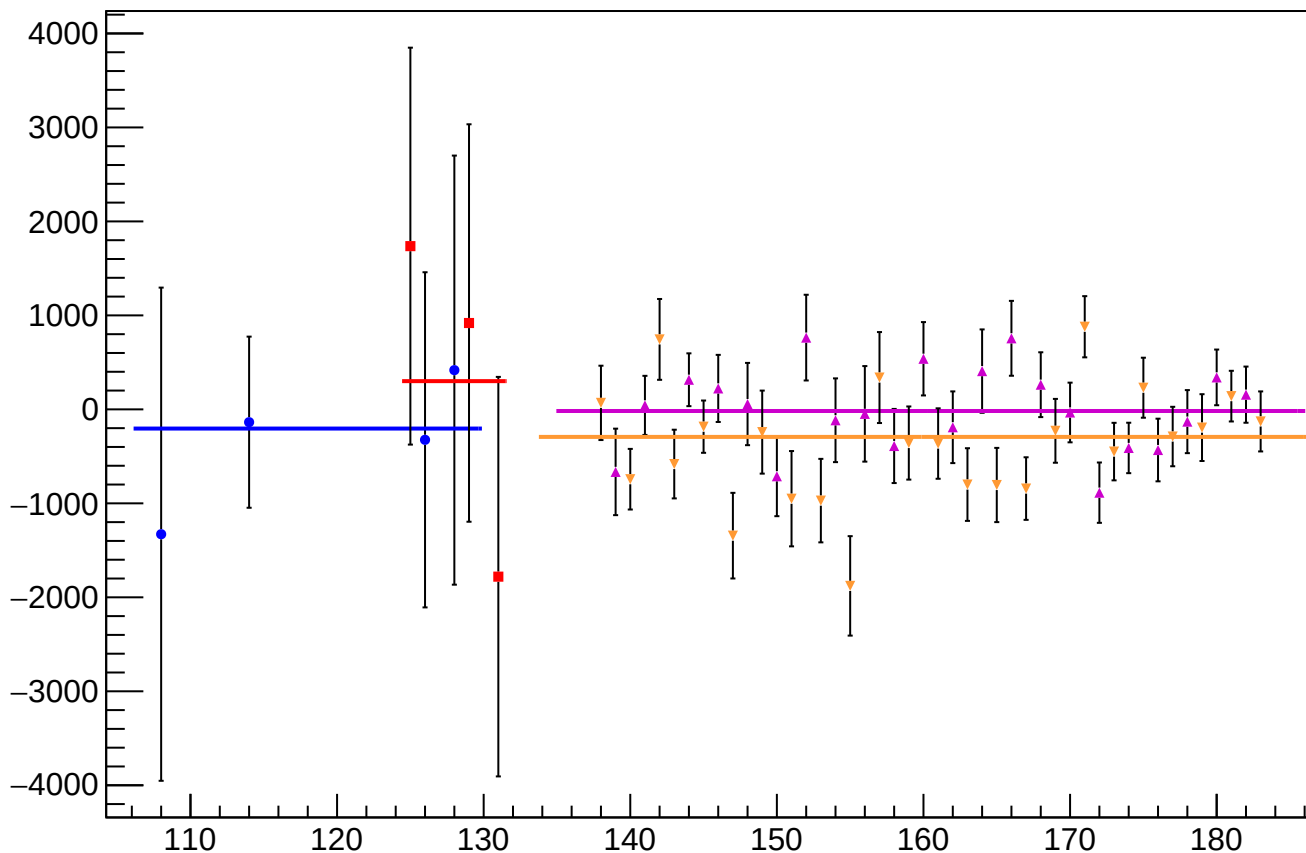
Left In: 63.956 $\pm$ 0.011 χ^2 /NDF: 156400.0/21

+ sign 65.547 $\pm$ 0.009 χ^2 /NDF: 718752.8/40

All: 65.556 $\pm$ 0.007 χ^2 /NDF: 1260146.9/81

- sign 65.565 $\pm$ 0.009 χ^2 /NDF: 541392.4/40

asym_sam7_correction_mean vs Slug



Right In: -204.257 ± 733.668 $\chi^2/\text{NDF}: 0.3/3$

Left Out: -293.031 ± 73.629 $\chi^2/\text{NDF}: 54.5/23$

Right Out: 300.330 ± 1222.458 $\chi^2/\text{NDF}: 1.5/2$

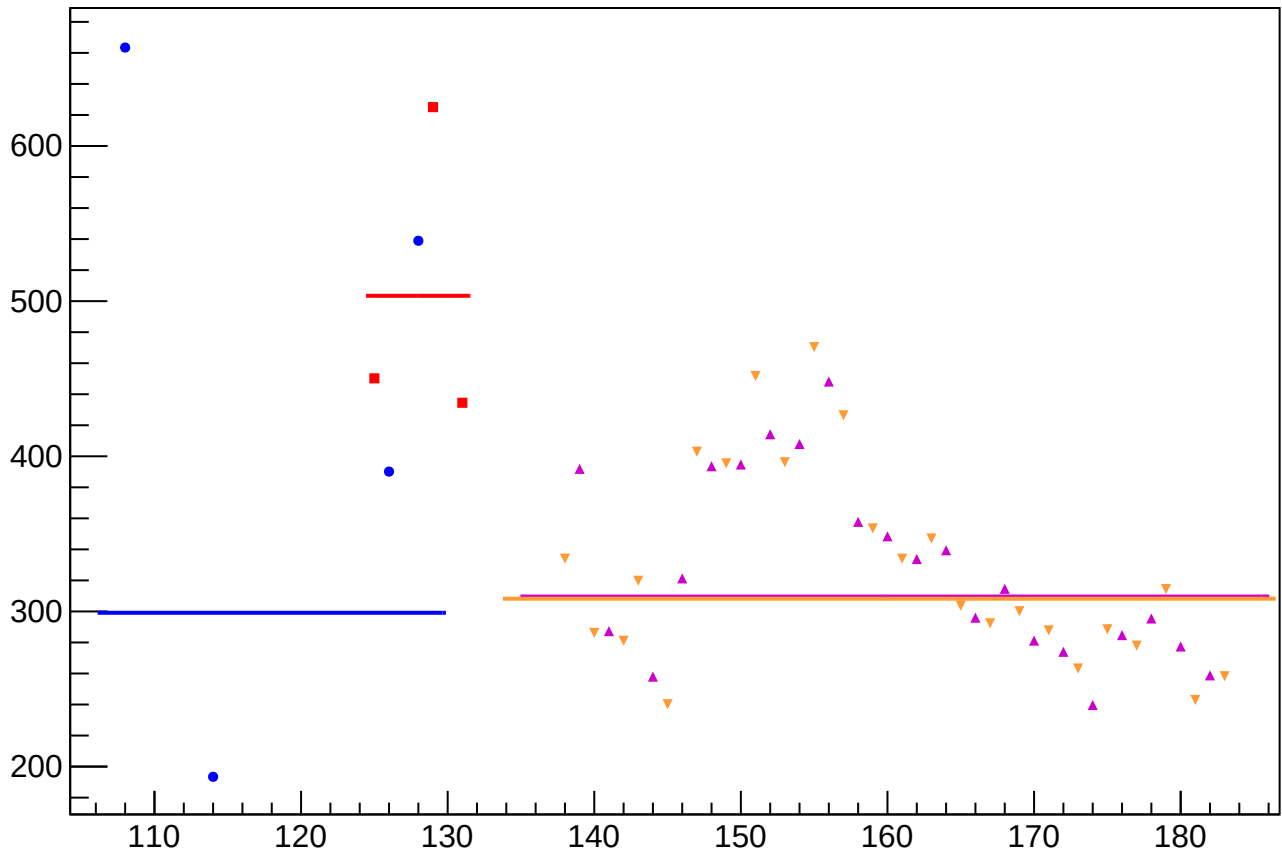
Left In: -17.389 ± 75.929 $\chi^2/\text{NDF}: 31.0/21$

+ sign -292.146 ± 73.261 $\chi^2/\text{NDF}: 54.8/27$

All: -158.825 ± 52.673 $\chi^2/\text{NDF}: 94.1/52$

- sign -16.168 ± 75.783 $\chi^2/\text{NDF}: 32.5/24$

asym_sam7_correction_rms vs Slug



Right In: 299.143 $\pm$ 0.519 χ^2 /NDF: 92782.9/3

Left Out: 308.200 $\pm$ 0.052 χ^2 /NDF:1164228.5/23

Right Out: 503.459 $\pm$ 0.864 χ^2 /NDF: 9987.6/2

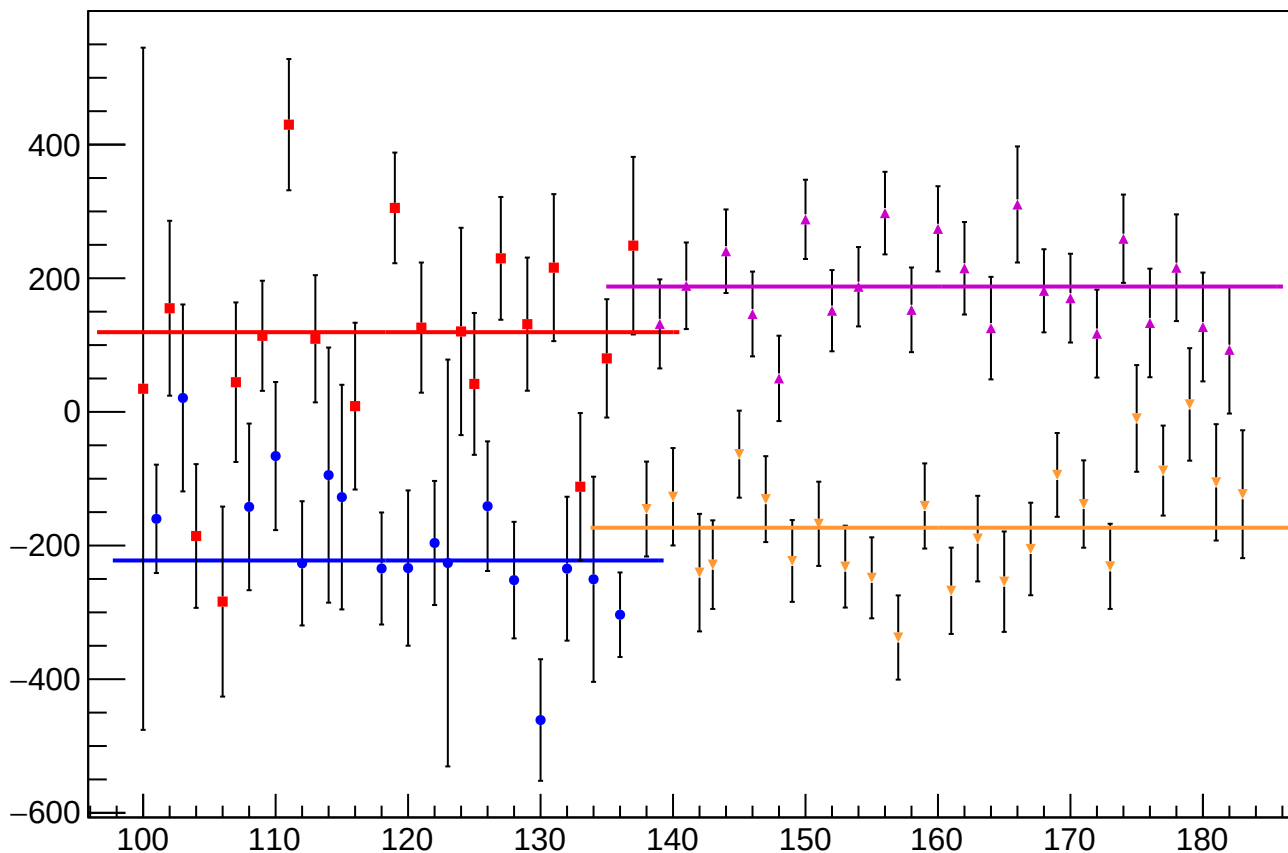
Left In: 309.614 $\pm$ 0.054 χ^2 /NDF:990591.7/21

+ sign 308.110 $\pm$ 0.052 χ^2 /NDF: 1257313.2/27

All: 309.197 $\pm$ 0.037 χ^2 /NDF: 2308898.4/52

- sign 310.359 $\pm$ 0.054 χ^2 /NDF: 1050674.5/24

reg_asym_sam8_mean vs Slug



Right In: -222.347 ± 24.941 $\chi^2/\text{NDF}: 16.3/16$

Left Out: -173.353 ± 13.948 $\chi^2/\text{NDF}: 33.1/23$

Right Out: 119.313 ± 24.666 $\chi^2/\text{NDF}: 40.7/18$

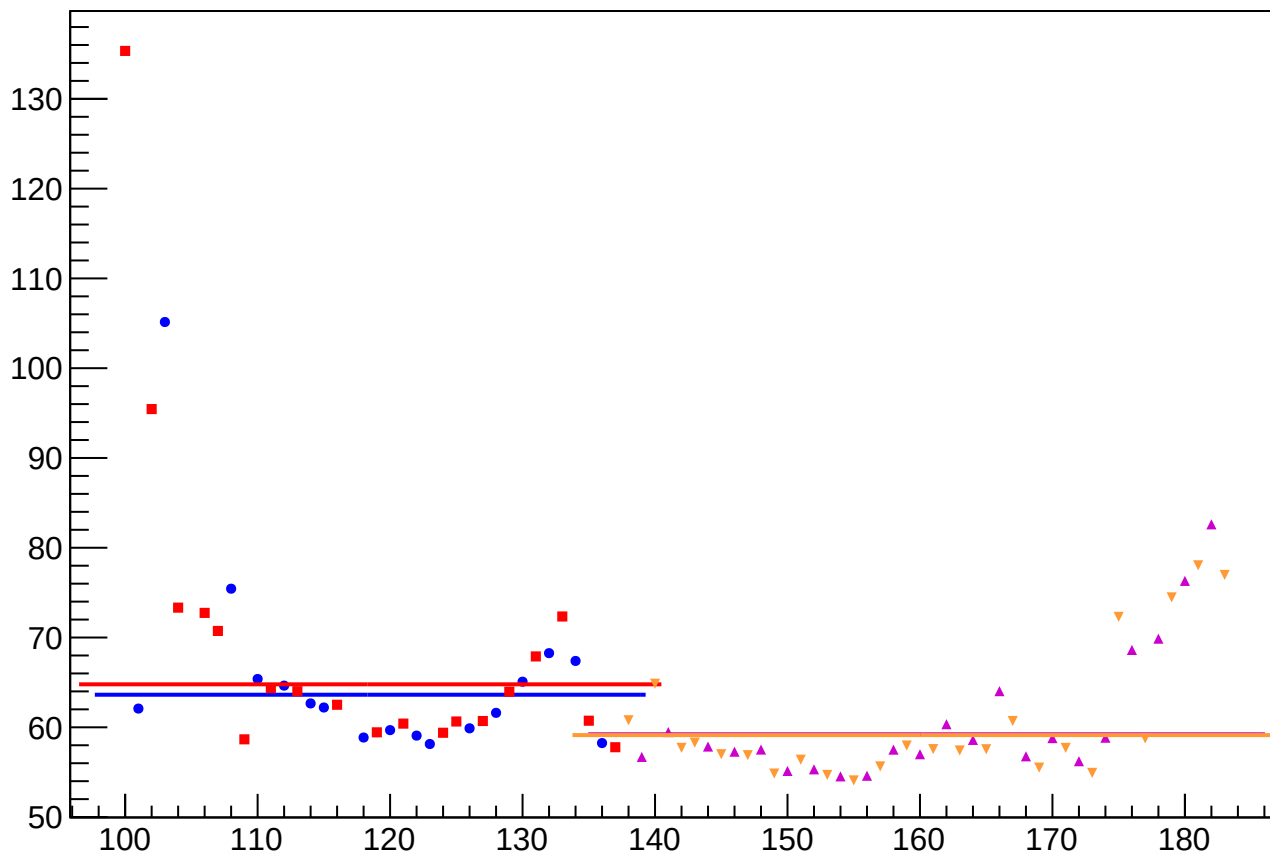
Left In: 187.586 ± 14.383 $\chi^2/\text{NDF}: 22.3/21$

+ sign -185.025 ± 12.174 $\chi^2/\text{NDF}: 52.3/40$

All: -11.006 ± 8.695 $\chi^2/\text{NDF}: 538.3/81$

- sign 170.263 ± 12.425 $\chi^2/\text{NDF}: 68.8/40$

reg_asym_sam8_rms vs Slug



Right In: 63.629 $\pm$ 0.018 χ^2 /NDF: 233899.4/16

Left Out: 59.131 $\pm$ 0.010 χ^2 /NDF: 369098.3/23

Right Out: 64.787 $\pm$ 0.017 χ^2 /NDF: 226379.1/18

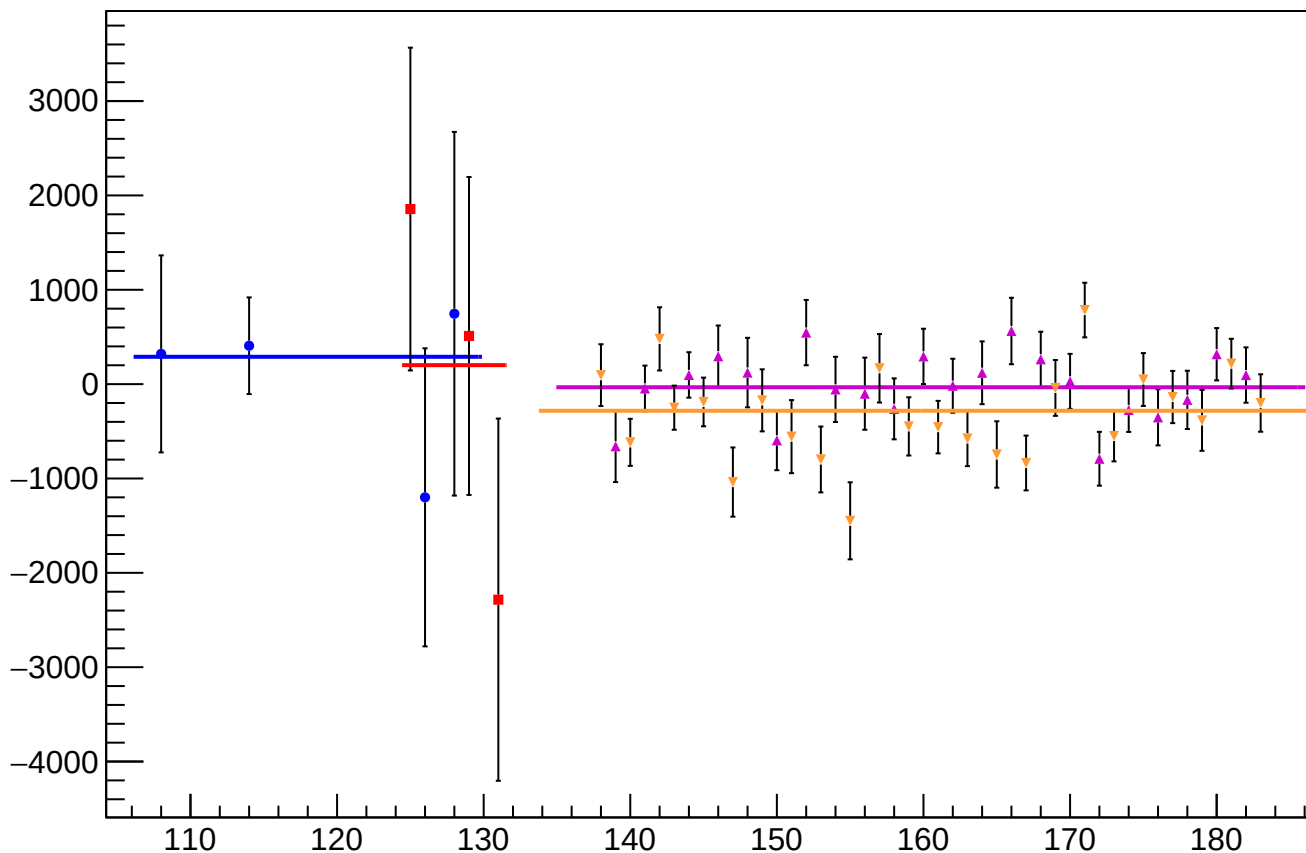
Left In: 59.224 $\pm$ 0.010 χ^2 /NDF: 337091.2/21

+ sign 60.202 $\pm$ 0.009 χ^2 /NDF: 652549.4/40

All: 60.415 $\pm$ 0.006 χ^2 /NDF: 1293187.4/81

- sign 60.636 $\pm$ 0.009 χ^2 /NDF: 639396.7/40

asym_sam8_correction_mean vs Slug



Right In: 289.832 $\pm$ 430.437 χ^2 /NDF: 1.0/3

Left Out: -282.256 $\pm$ 61.362 χ^2 /NDF: 52.9/23

Right Out: 201.085 $\pm$ 1017.740 χ^2 /NDF: 2.6/2

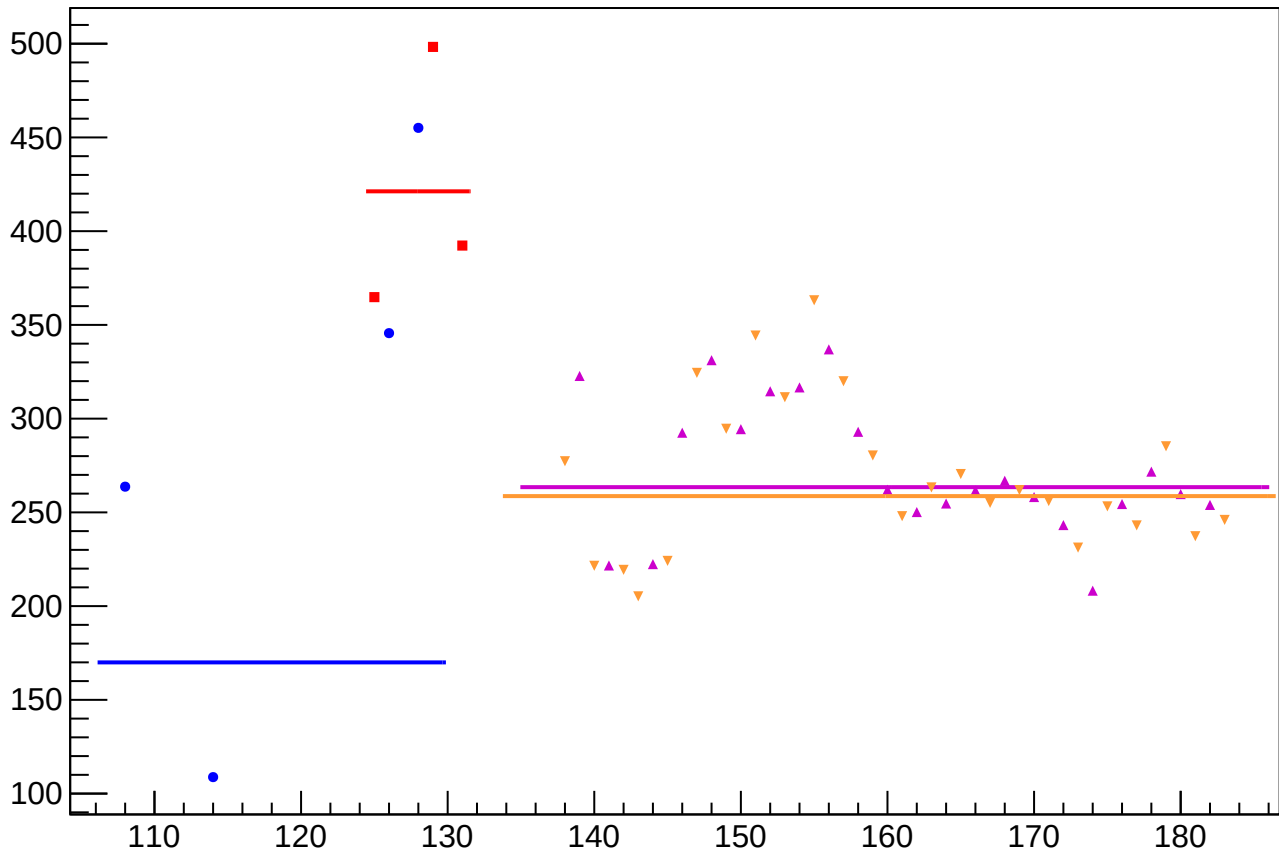
Left In: -33.066 $\pm$ 64.194 χ^2 /NDF: 27.4/21

+ sign -270.862 $\pm$ 60.748 χ^2 /NDF: 55.7/27

All: -157.843 $\pm$ 44.082 χ^2 /NDF: 93.0/52

- sign -32.138 $\pm$ 64.067 χ^2 /NDF: 30.0/24

asym_sam8_correction_rms vs Slug



Right In: 169.977 $\pm$ 0.304 χ^2 /NDF: 113149.8/3

Left Out: 258.678 $\pm$ 0.043 χ^2 /NDF: 712995.4/23

Right Out: 421.246 $\pm$ 0.720 χ^2 /NDF: 6812.8/2

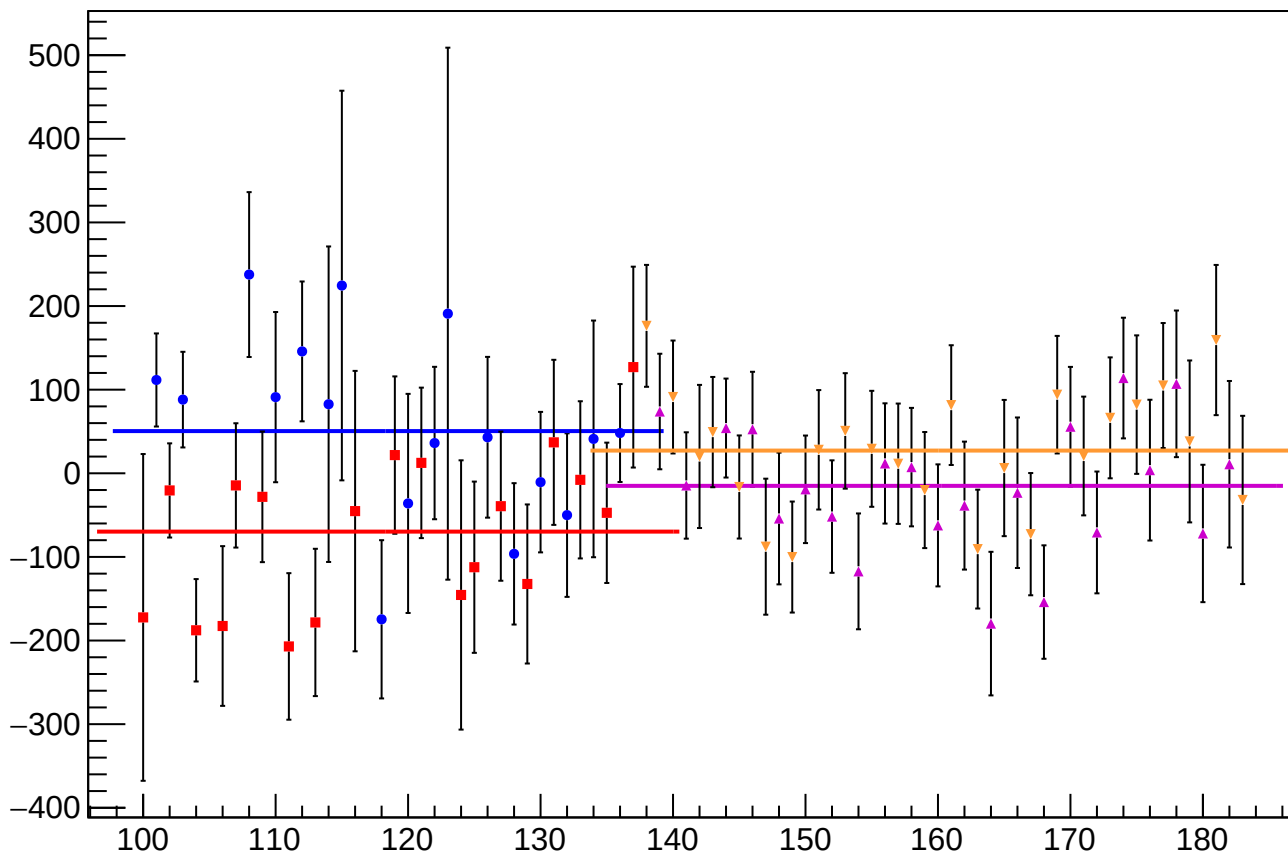
Left In: 263.456 $\pm$ 0.045 χ^2 /NDF: 585499.5/21

+ sign 256.911 $\pm$ 0.043 χ^2 /NDF: 909384.0/27

All: 260.306 $\pm$ 0.031 χ^2 /NDF: 1562772.4/52

- sign 264.081 $\pm$ 0.045 χ^2 /NDF: 640196.0/24

reg_asym_sam_15_avg_mean vs Slug



Right In: 50.467 $\pm$ 21.547 χ^2 /NDF: 18.2/16

Left Out: 27.175 $\pm$ 15.063 χ^2 /NDF:22.5/23

Right Out: -69.739 $\pm$ 20.448 χ^2 /NDF: 18.1/18

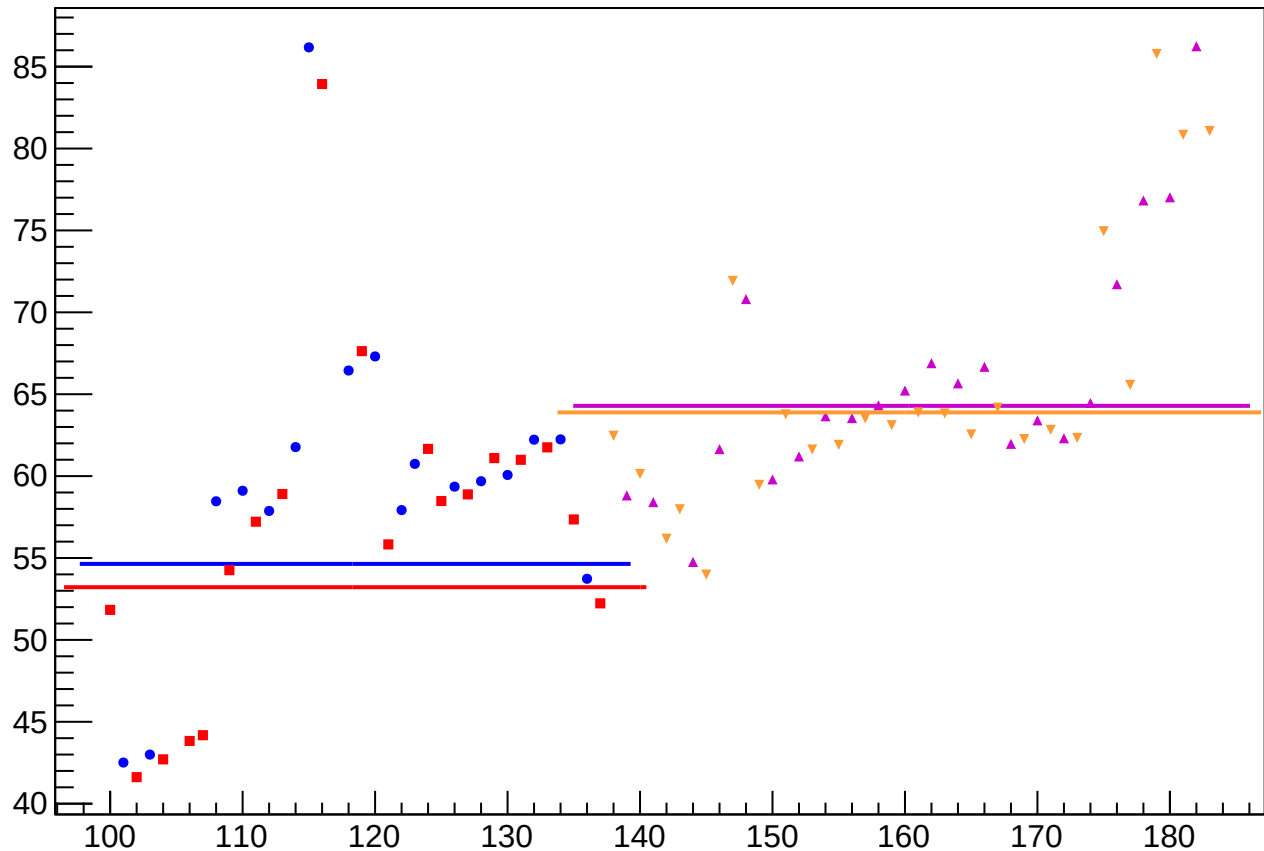
Left In: -15.014 $\pm$ 15.596 χ^2 /NDF:22.6/21

+ sign 34.821 $\pm$ 12.346 χ^2 /NDF: 41.5/40

All: -0.004 $\pm$ 8.749 χ^2 /NDF: 102.8/81

- sign -35.141 $\pm$ 12.401 χ^2 /NDF: 45.2/40

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.640 ± 0.015 $\chi^2/\text{NDF}: 318989.1/16$

Left Out: 63.890 ± 0.011 $\chi^2/\text{NDF}: 394779.3/23$

Right Out: 53.218 ± 0.014 $\chi^2/\text{NDF}: 387904.0/18$

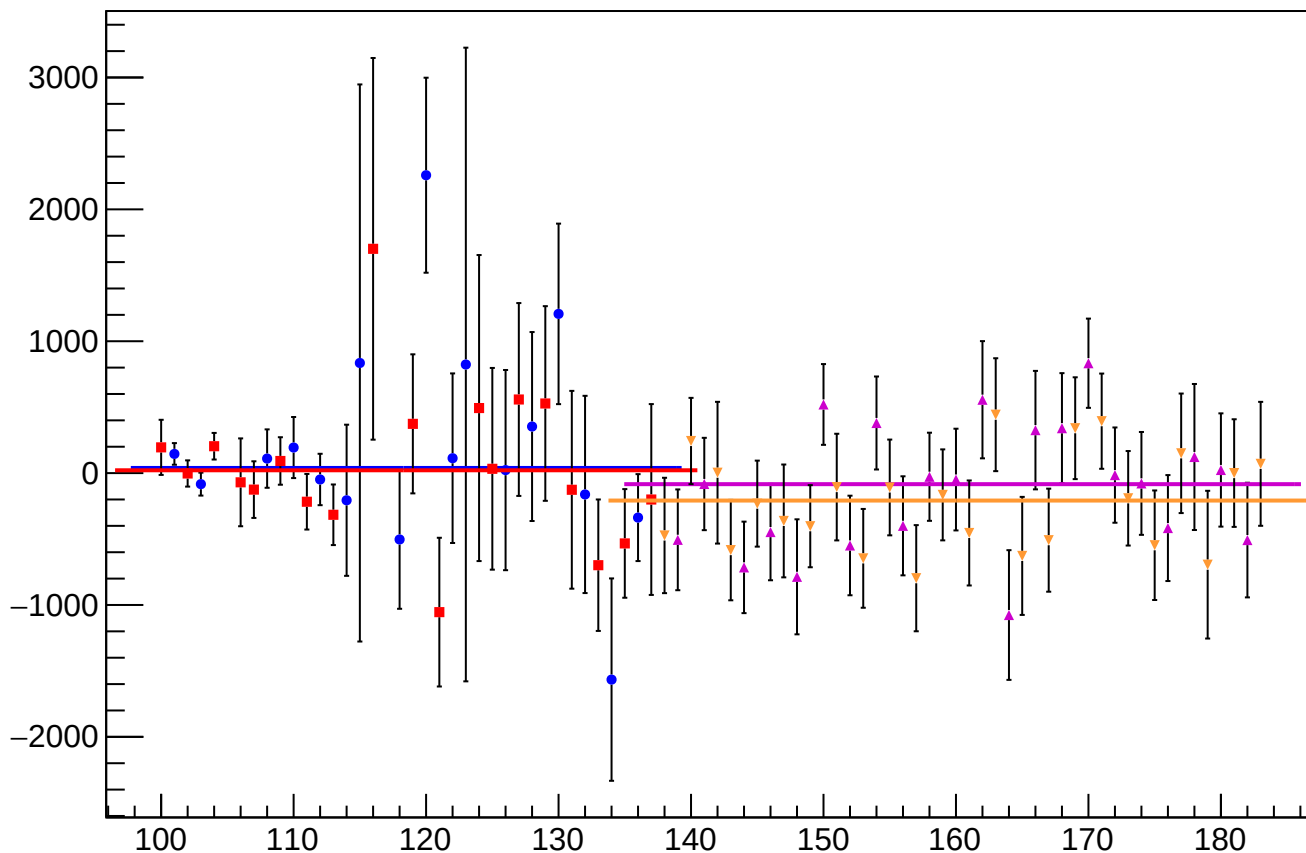
Left In: 64.290 ± 0.011 $\chi^2/\text{NDF}: 323005.4/21$

+ sign 60.853 ± 0.009 $\chi^2/\text{NDF}: 961325.3/40$

All: 60.537 ± 0.006 $\chi^2/\text{NDF}: 2045557.3/81$

- sign 60.218 ± 0.009 $\chi^2/\text{NDF}: 1081596.2/40$

asym_sam_15_avg_correction_mean vs Slug



Right In: 39.017 ± 51.561 χ^2/NDF : 23.8/16

Left Out: -208.134 ± 80.223 χ^2/NDF : 19.2/23

Right Out: 21.418 ± 53.288 χ^2/NDF : 18.8/18

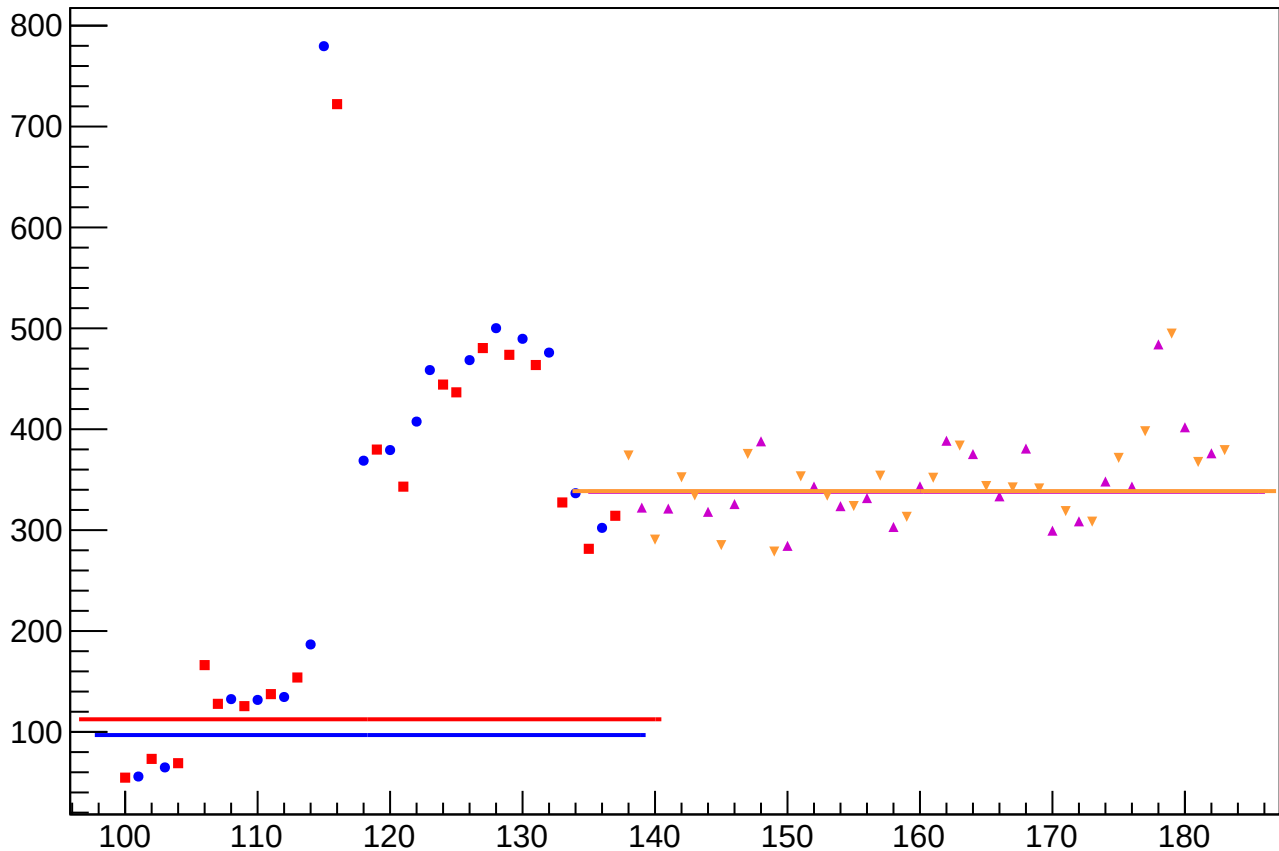
Left In: -83.849 ± 82.314 χ^2/NDF : 33.2/21

+ sign -33.234 ± 43.375 χ^2/NDF : 49.7/40

All: -21.815 ± 31.140 χ^2/NDF : 103.1/81

- sign -9.670 ± 44.733 χ^2/NDF : 53.2/40

asym_sam_15_avg_correction_rms vs Slug



Right In: 96.900+/-0.036 χ^2/NDF : 5800378.0/16

Left Out: 338.676+/-0.057 χ^2/NDF : 493059.5/23

Right Out: 112.520+/-0.038 χ^2/NDF : 5015761.7/18

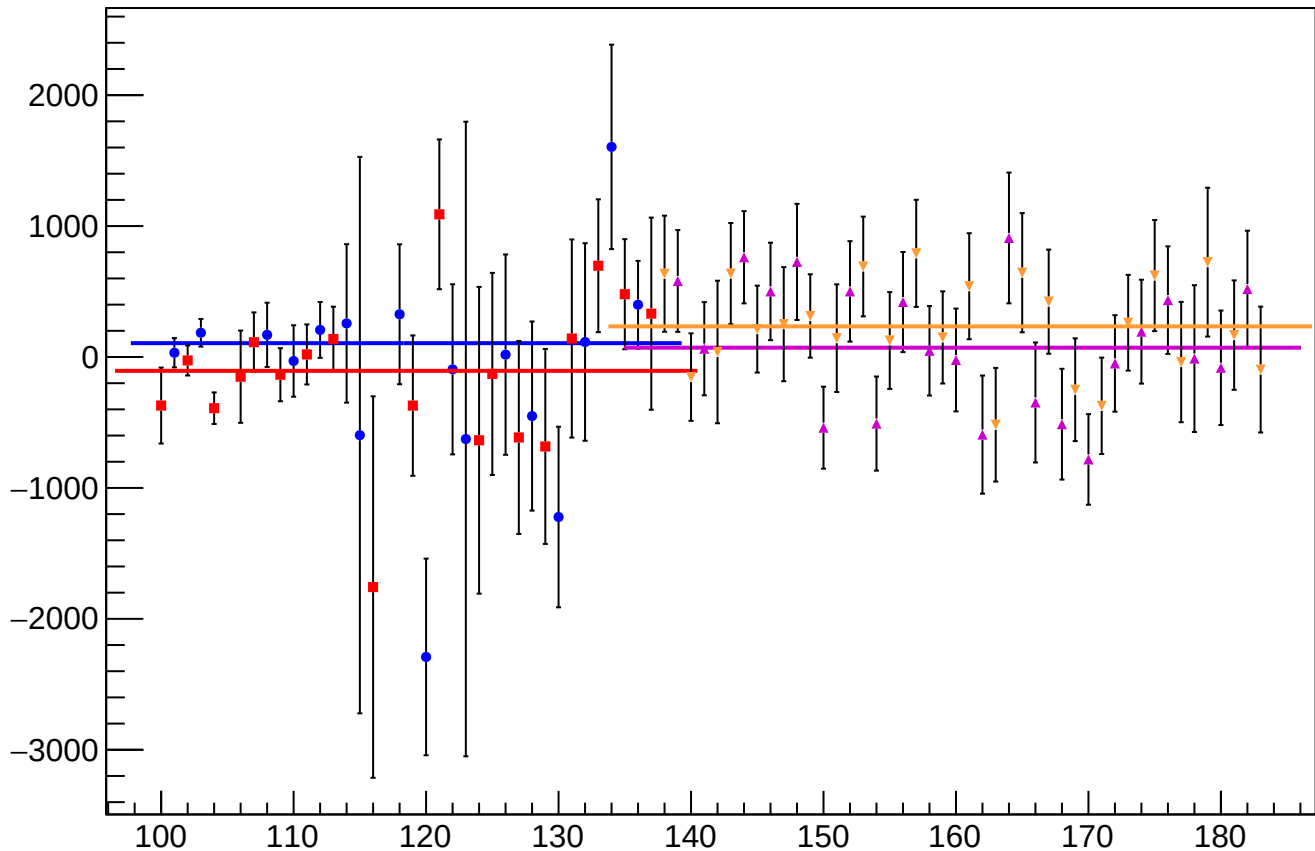
Left In: 337.963+/-0.058 χ^2/NDF : 428982.1/21

+ sign 167.579+/-0.031 χ^2/NDF : 19148994.1/40

All: 173.162+/-0.022 χ^2/NDF : 35233792.7/83

- sign 179.099+/-0.032 χ^2/NDF : 16016433.0/40

asym_sam_15_avg_mean vs Slug



Right In: 105.662 ± 63.187 χ^2/NDF : 21.0/16

Left Out: 233.898 ± 81.698 χ^2/NDF : 18.2/23

Right Out: -105.735 ± 60.878 χ^2/NDF : 21.2/18

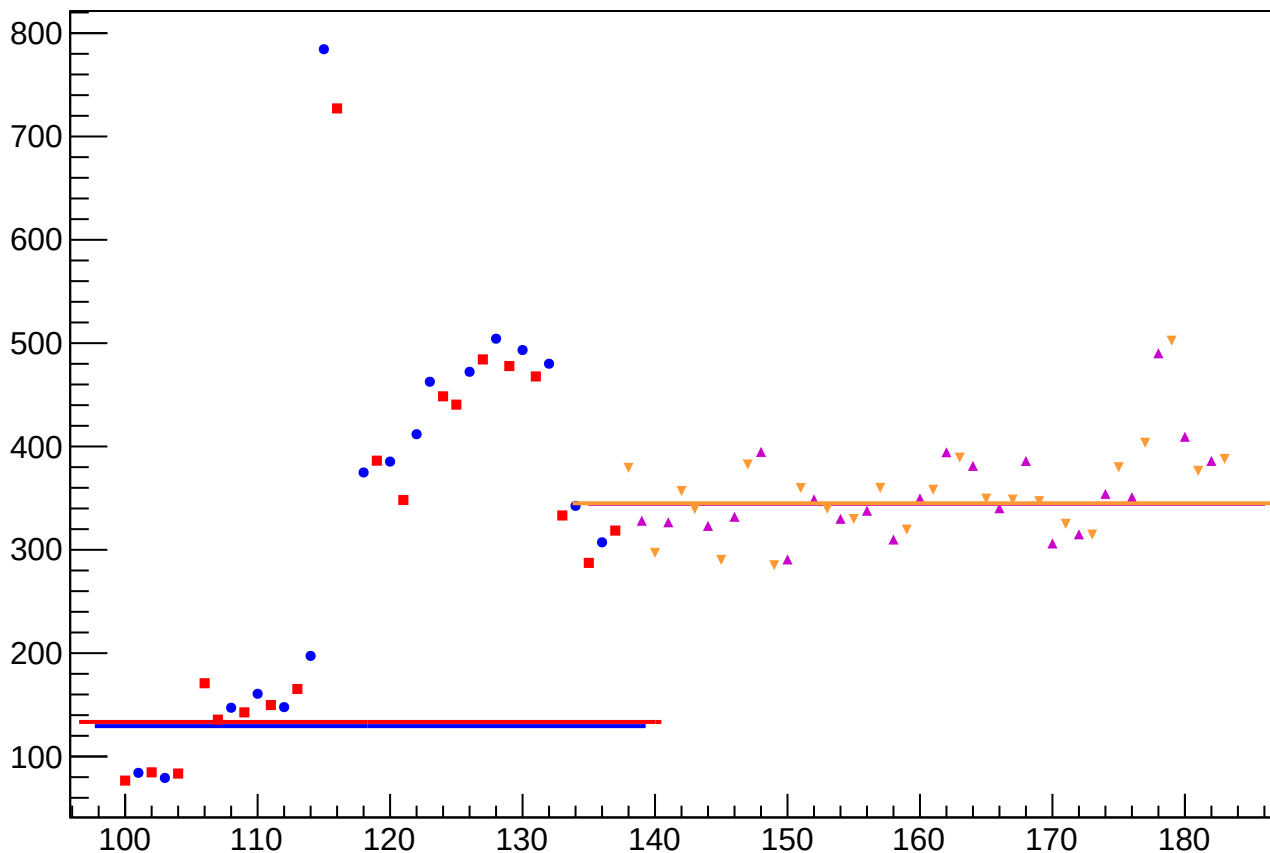
Left In: 71.230 ± 83.853 χ^2/NDF : 33.6/21

+ sign 153.659 ± 49.982 χ^2/NDF : 40.8/40

All: 53.067 ± 35.086 χ^2/NDF : 106.5/81

- sign -44.654 ± 49.264 χ^2/NDF : 57.7/40

asym_sam_15_avg_rms vs Slug



Right In: 129.376+/-0.045 χ^2/NDF : 4758533.8/16

Left Out: 345.033+/-0.058 χ^2/NDF : 483288.9/23

Right Out: 133.433+/-0.043 χ^2/NDF : 4349255.7/18

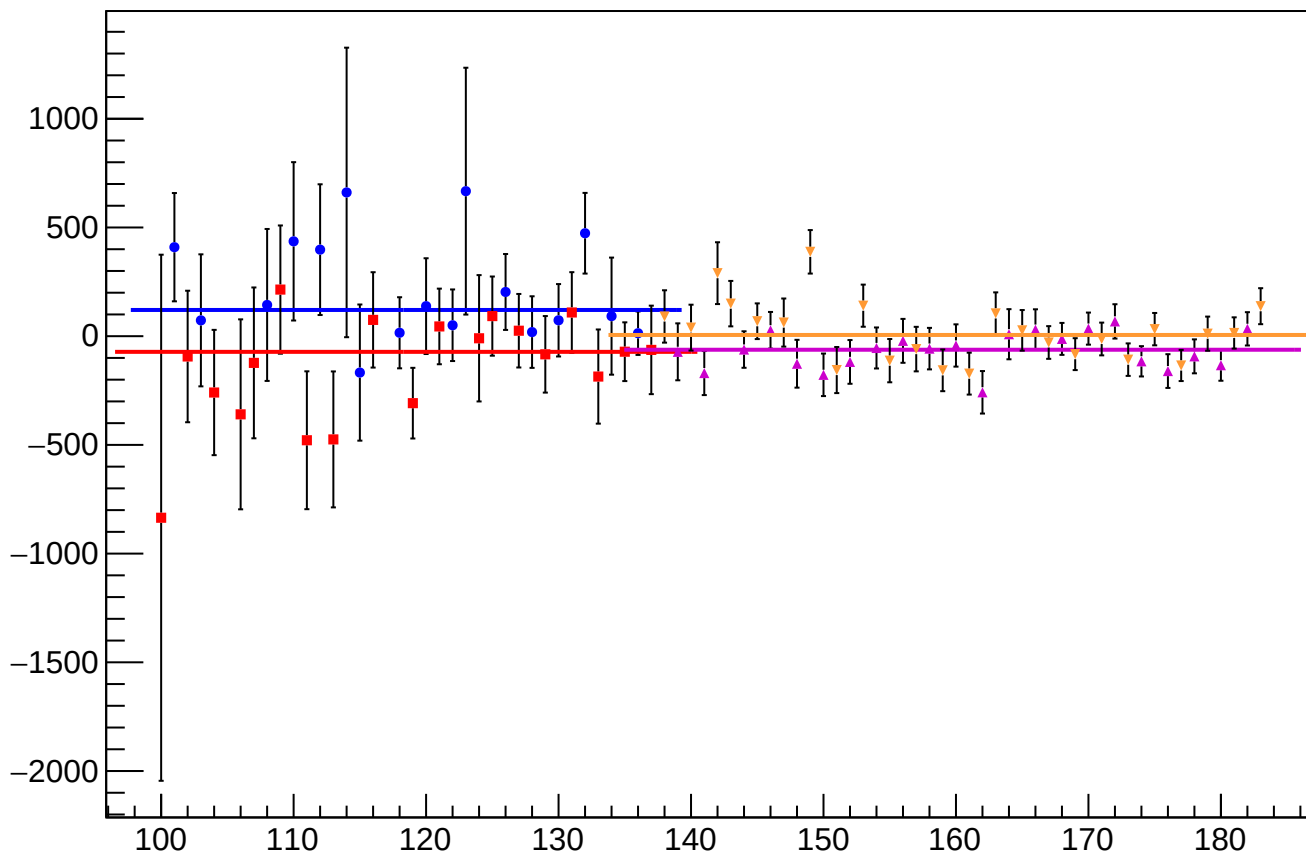
Left In: 344.396+/-0.059 χ^2/NDF : 418100.6/21

+ sign 210.094+/-0.035 χ^2/NDF : 13961639.2/40

All: 208.143+/-0.025 χ^2/NDF : 27024771.3/80

- sign 206.249+/-0.035 χ^2/NDF : 13057128.2/40

reg_asym_sam_26_avg_mean vs Slug



Right In: 120.594 $\pm$ 49.201 χ^2 /NDF: 11.5/16

Left Out: 5.627 $\pm$ 18.094 χ^2 /NDF: 46.0/23

Right Out: -72.023 $\pm$ 50.051 χ^2 /NDF: 11.0/18

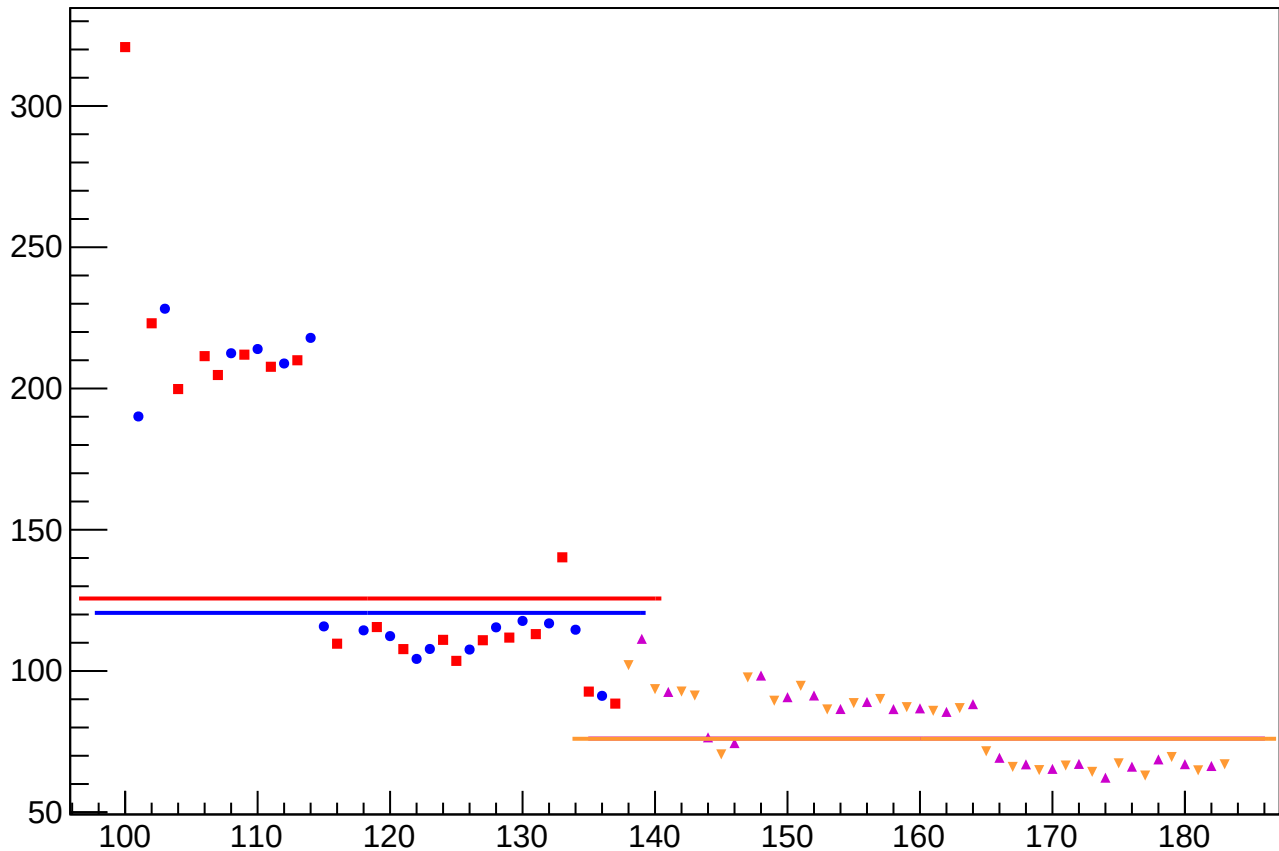
Left In: -62.334 $\pm$ 18.646 χ^2 /NDF: 19.7/21

+ sign 19.323 $\pm$ 16.982 χ^2 /NDF: 62.3/40

All: -20.916 $\pm$ 12.178 χ^2 /NDF: 104.5/81

- sign -63.515 $\pm$ 17.473 χ^2 /NDF: 30.7/40

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.576 $\pm$ 0.035 χ^2 /NDF: 1107352.4/16

Left Out: 76.012 $\pm$ 0.013 χ^2 /NDF: 915928.7/23

Right Out: 125.666 $\pm$ 0.035 χ^2 /NDF: 1329602.0/18

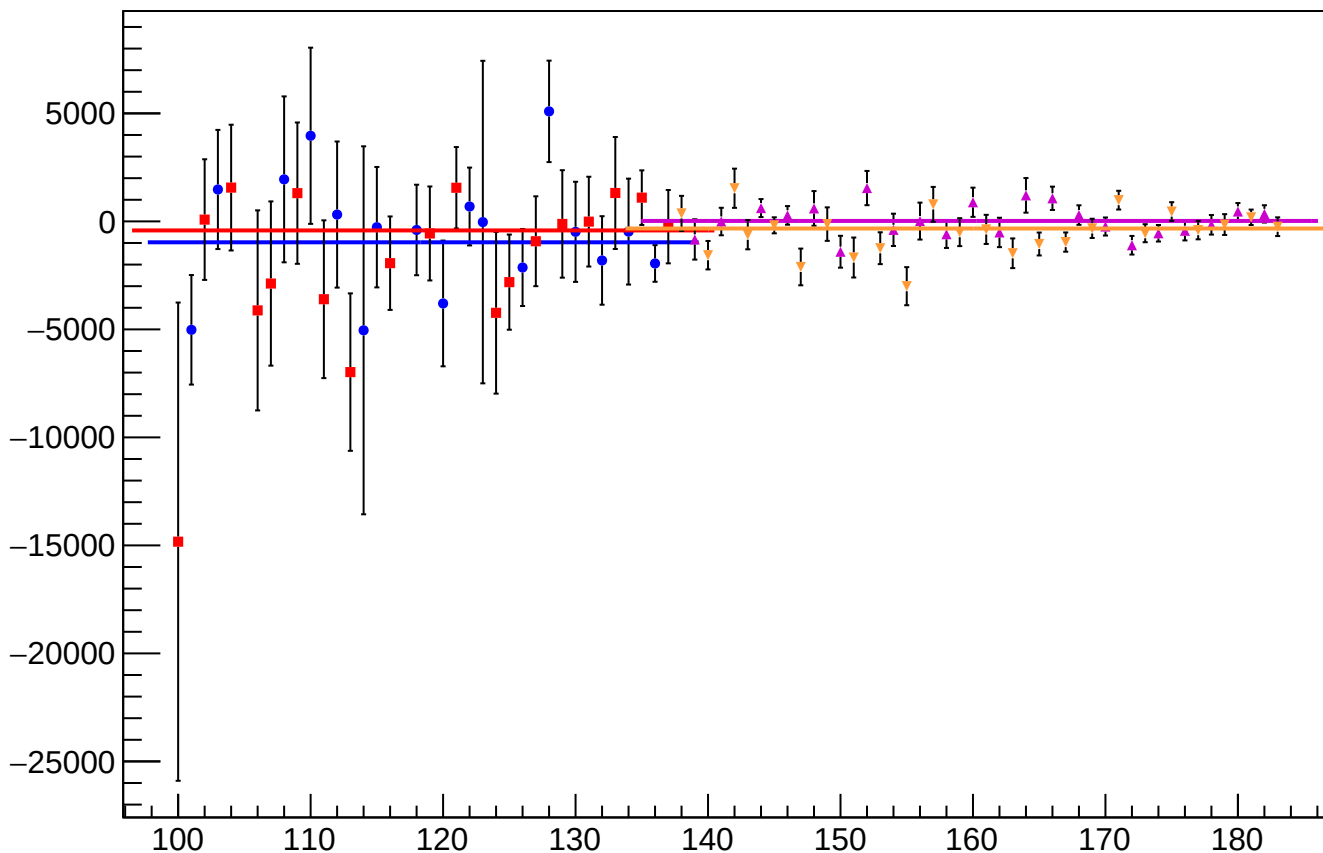
Left In: 76.091 $\pm$ 0.013 χ^2 /NDF: 822423.4/21

+ sign 81.321 $\pm$ 0.012 χ^2 /NDF: 3468618.2/40

All: 81.715 $\pm$ 0.009 χ^2 /NDF: 7345855.5/81

- sign 82.133 $\pm$ 0.012 χ^2 /NDF: 3875015.9/40

asym_sam_26_avg_correction_mean vs Slug



Right In: -968.648 ± 513.413 $\chi^2/\text{NDF}: 16.4/16$

Left Out: -329.930 ± 109.725 $\chi^2/\text{NDF}: 49.6/23$

Right Out: -419.047 ± 546.790 $\chi^2/\text{NDF}: 13.3/18$

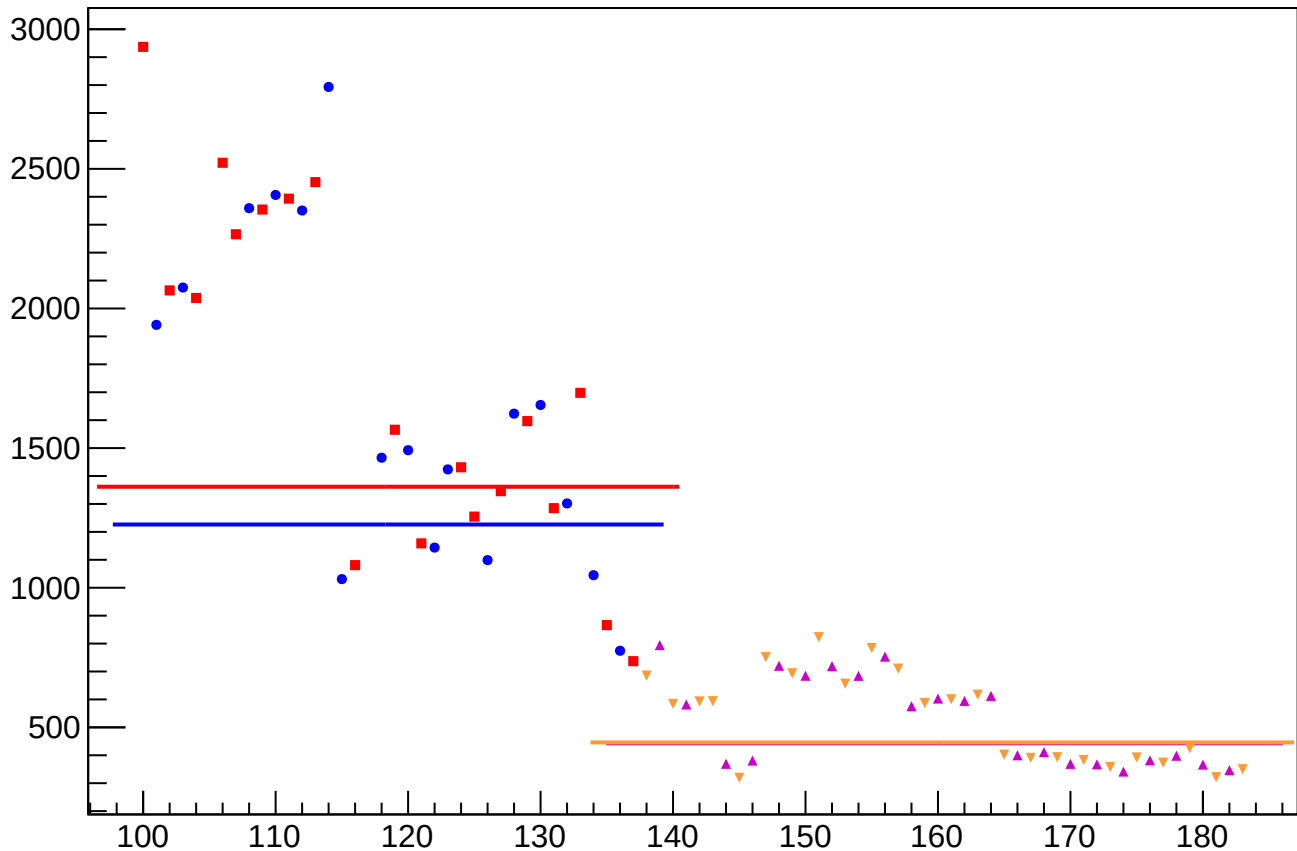
Left In: 20.657 ± 111.693 $\chi^2/\text{NDF}: 33.5/21$

+ sign -357.829 ± 107.301 $\chi^2/\text{NDF}: 67.5/40$

All: -180.941 ± 76.616 $\chi^2/\text{NDF}: 120.5/81$

- sign 3.045 ± 109.433 $\chi^2/\text{NDF}: 47.5/40$

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.408+/-0.363 χ^2/NDF : 1754373.1/16

Left Out: 446.047+/-0.078 χ^2/NDF : 3066956.0/23

Right Out: 1361.687+/-0.387 χ^2/NDF : 1749515.8/18

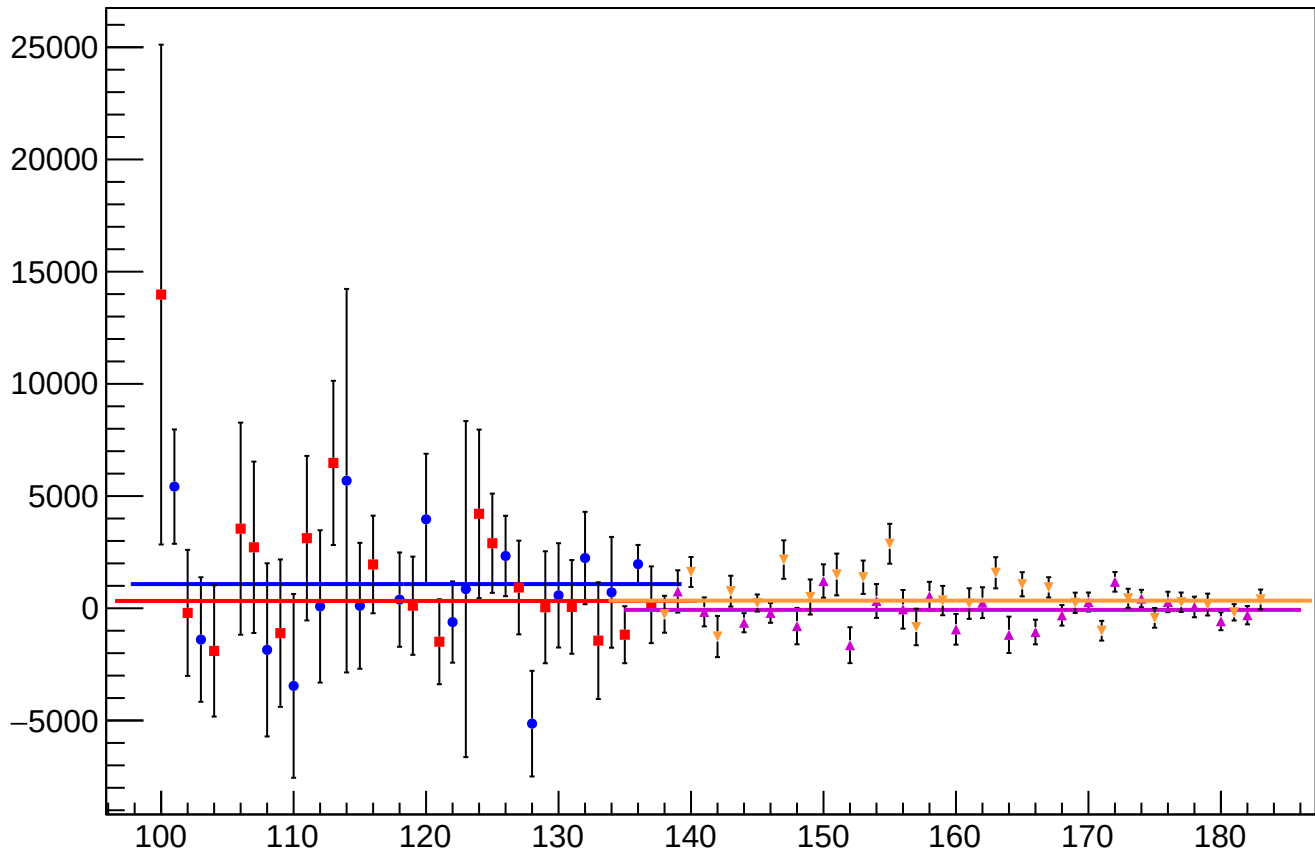
Left In: 442.938+/-0.079 χ^2/NDF : 2573736.2/21

+ sign 480.133+/-0.076 χ^2/NDF : 9239982.6/40

All: 479.939+/-0.054 χ^2/NDF : 18983623.3/83

- sign 479.738+/-0.077 χ^2/NDF : 9743627.4/40

asym_sam_26_avg_mean vs Slug



Right In: 1078.872 $\pm$ 516.347 χ^2 /NDF: 16.9/16

Left Out: 339.362 $\pm$ 111.385 χ^2 /NDF: 47.4/23

Right Out: 327.027 $\pm$ 549.623 χ^2 /NDF: 12.5/18

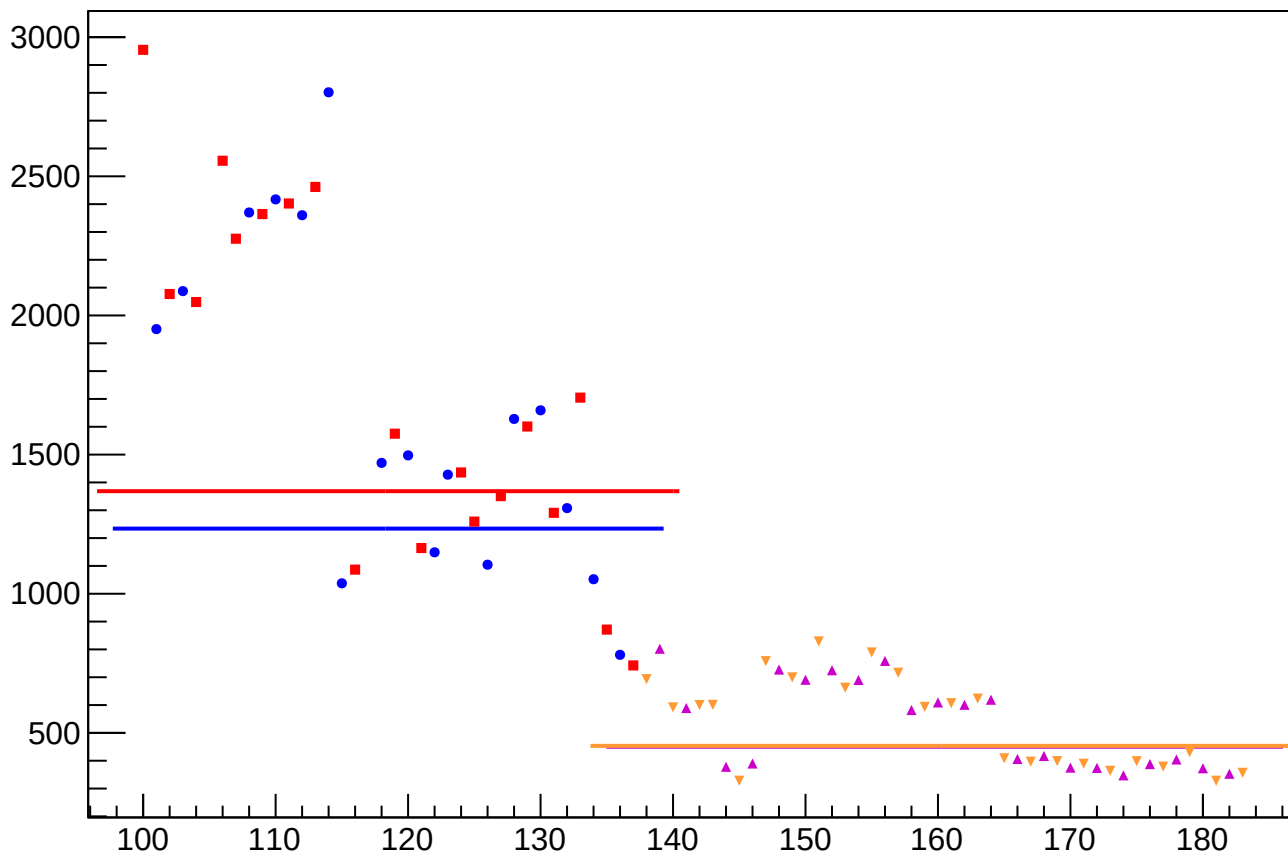
Left In: -71.302 $\pm$ 113.418 χ^2 /NDF: 31.9/21

+ sign 372.245 $\pm$ 108.881 χ^2 /NDF: 66.3/40

All: 162.872 $\pm$ 77.755 χ^2 /NDF: 118.7/81

- sign -55.033 $\pm$ 111.077 χ^2 /NDF: 44.8/40

asym_sam_26_avg_rms vs Slug



Right In: 1234.132+/-0.365 χ^2/NDF : 1741964.9/16

Left Out: 453.355+/-0.079 χ^2/NDF : 2991274.9/23

Right Out: 1368.544+/-0.389 χ^2/NDF : 1745009.6/18

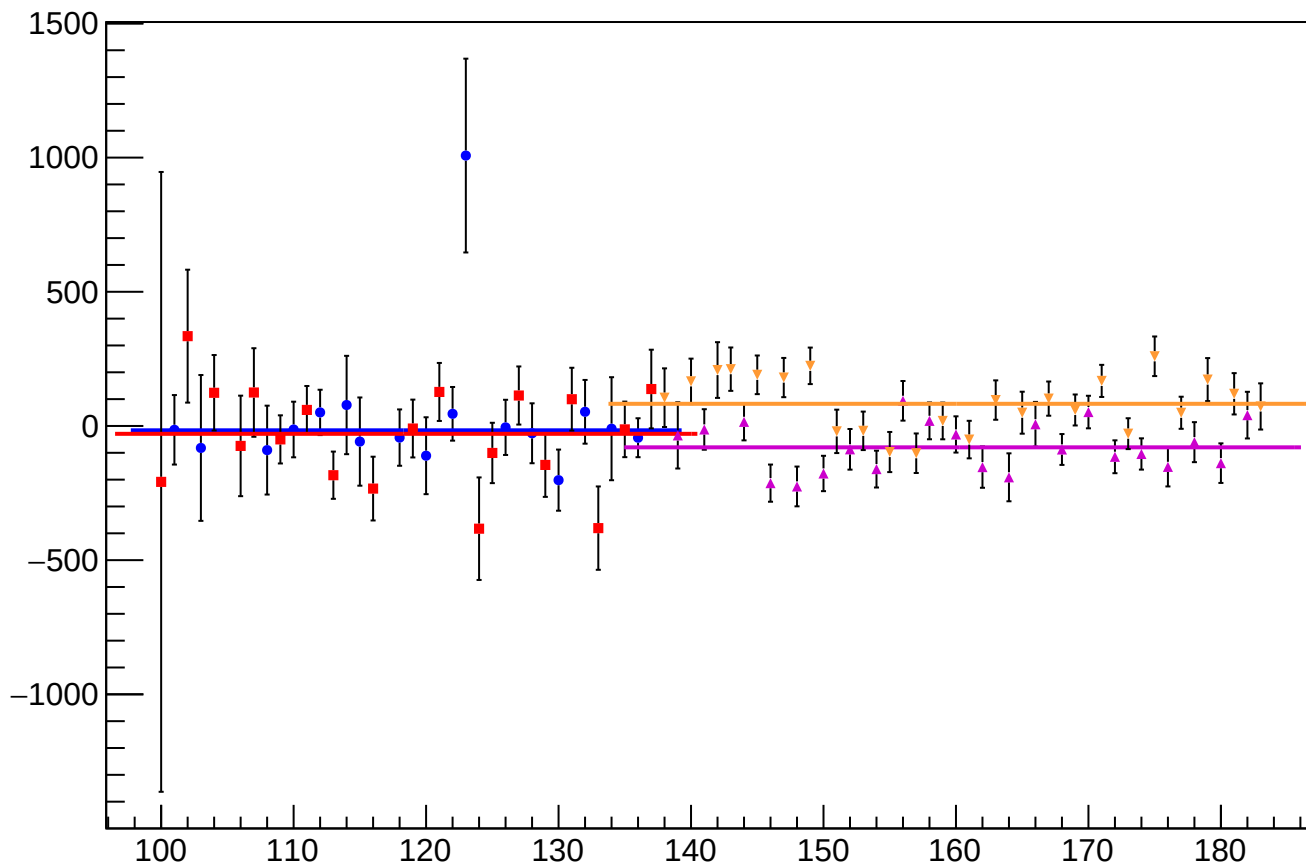
Left In: 450.255+/-0.080 χ^2/NDF : 2514268.5/21

+ sign 488.073+/-0.077 χ^2/NDF : 9102901.4/40

All: 487.920+/-0.055 χ^2/NDF : 18717044.6/83

- sign 487.761+/-0.079 χ^2/NDF : 9614135.2/40

reg_asym_sam_37_avg_mean vs Slug



Right In: -16.204 ± 28.906 $\chi^2/\text{NDF}: 13.3/16$

Left Out: 82.560 ± 14.755 $\chi^2/\text{NDF}: 47.4/23$

Right Out: -29.279 ± 28.050 $\chi^2/\text{NDF}: 27.6/18$

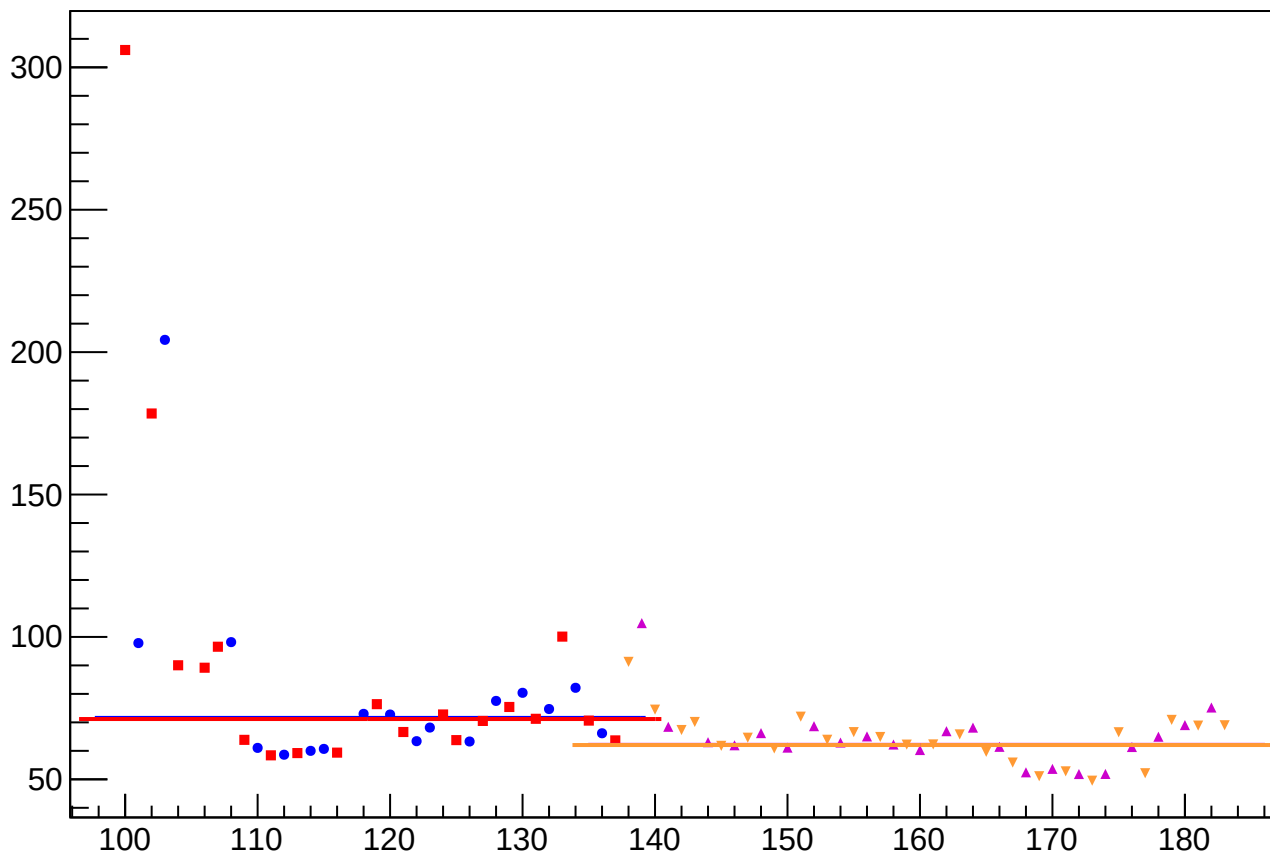
Left In: -79.623 ± 15.196 $\chi^2/\text{NDF}: 34.4/21$

+ sign 62.146 ± 13.142 $\chi^2/\text{NDF}: 69.9/40$

All: -1.949 ± 9.369 $\chi^2/\text{NDF}: 182.9/81$

- sign -68.201 ± 13.361 $\chi^2/\text{NDF}: 64.6/40$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.567 $\pm$ 0.020 χ^2 /NDF: 758733.9/16

Left Out: 62.045 $\pm$ 0.010 χ^2 /NDF: 611662.0/23

Right Out: 71.173 $\pm$ 0.020 χ^2 /NDF: 765136.0/18

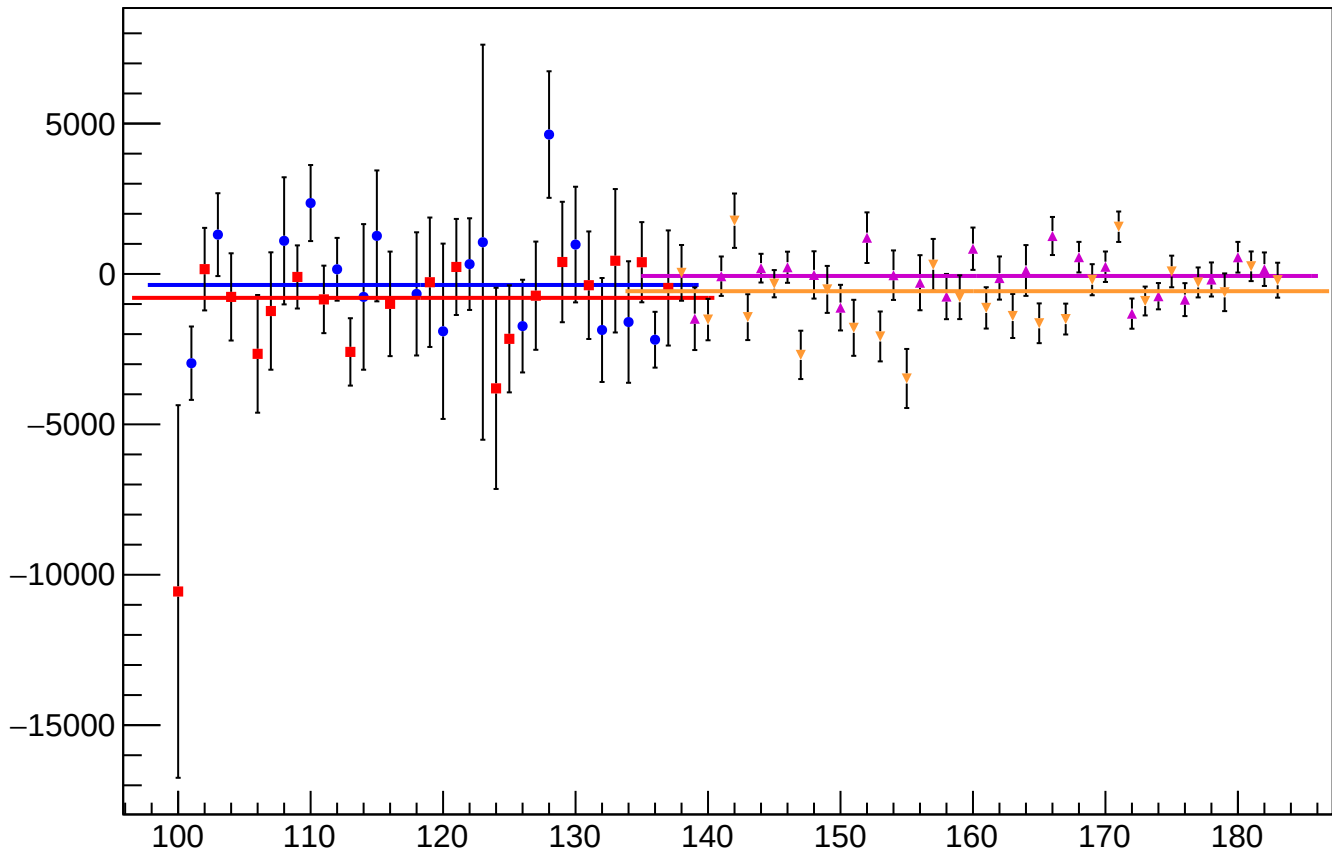
Left In: 62.108 $\pm$ 0.011 χ^2 /NDF: 576437.7/21

+ sign 64.013 $\pm$ 0.009 χ^2 /NDF: 1542541.7/40

All: 64.088 $\pm$ 0.007 χ^2 /NDF: 3045712.6/81

- sign 64.165 $\pm$ 0.009 χ^2 /NDF: 1503039.8/40

asym_sam_37_avg_correction_mean vs Slug



Right In: -365.739+/-382.977 χ^2/NDF : 24.4/16

Left Out: -572.790+/-128.548 χ^2/NDF : 64.3/23

Right Out: -794.732+/-370.548 χ^2/NDF : 10.3/18

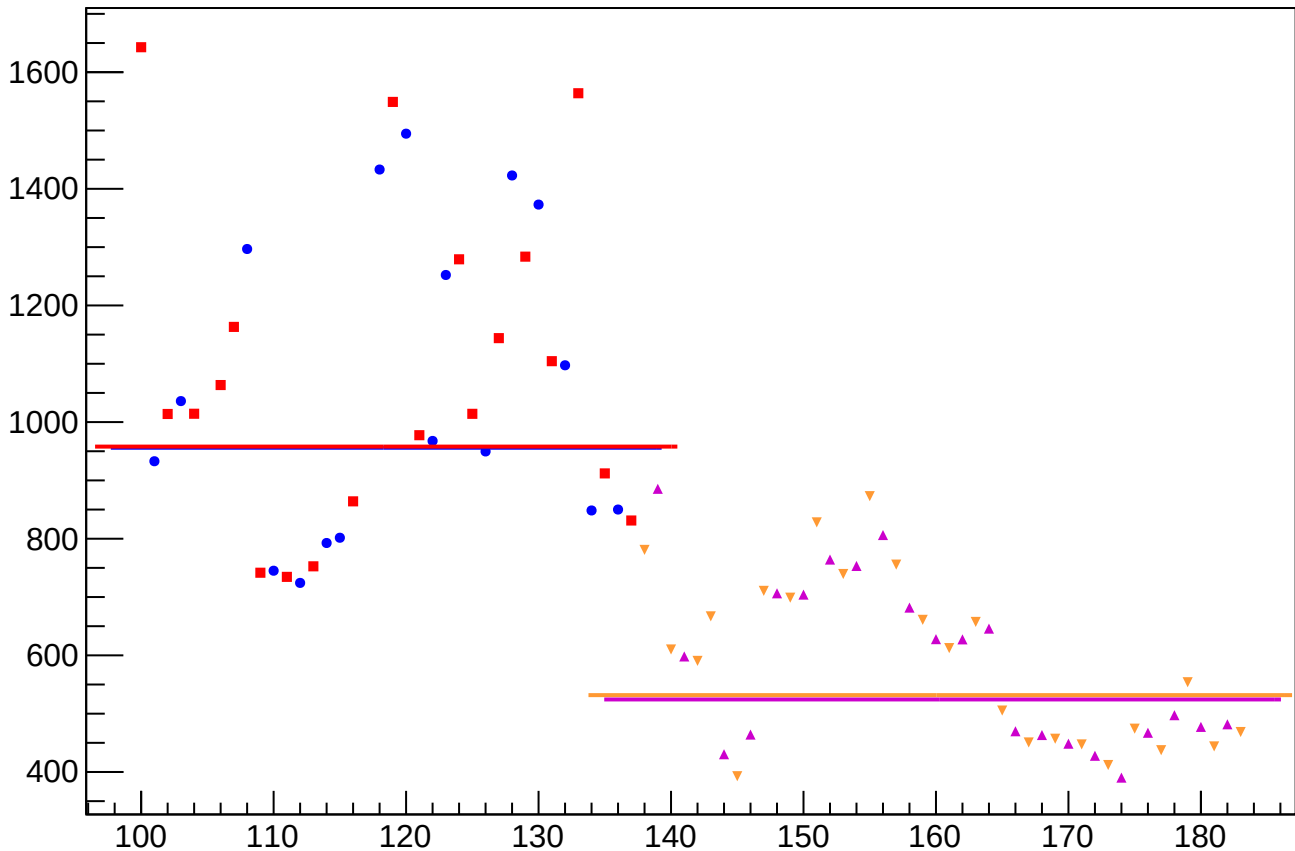
Left In: -66.561+/-130.254 χ^2/NDF : 27.9/21

+ sign -551.825+/-121.866 χ^2/NDF : 89.0/40

All: -350.917+/-86.530 χ^2/NDF : 136.1/81

- sign -146.642+/-122.883 χ^2/NDF : 41.7/40

asym_sam_37_avg_correction_rms vs Slug



Right In: 956.049 $\pm$ 0.271 χ^2/NDF : 651701.4/16

Left Out: 531.798 $\pm$ 0.091 χ^2/NDF : 1936874.2/23

Right Out: 957.960 $\pm$ 0.262 χ^2/NDF : 695647.8/18

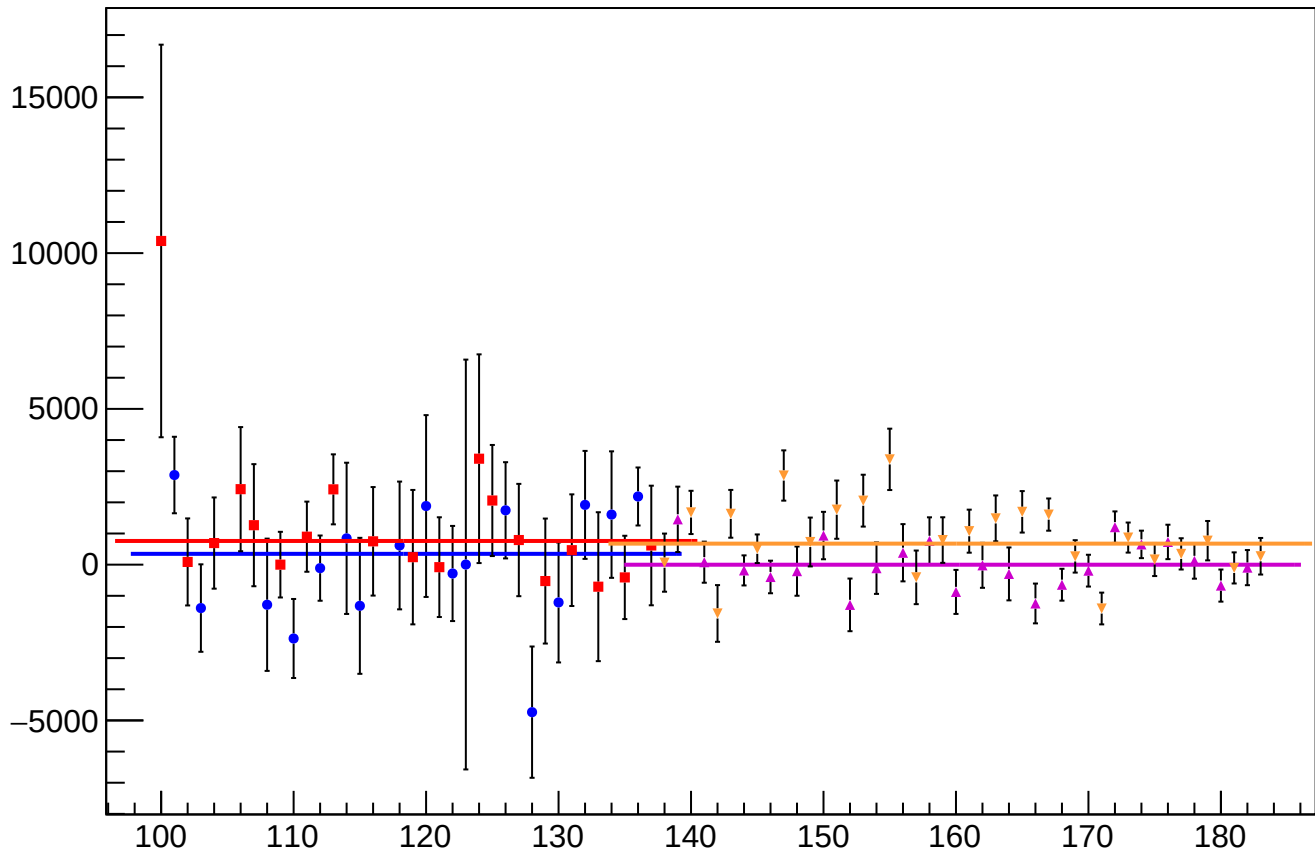
Left In: 524.388 $\pm$ 0.092 χ^2/NDF : 1716161.7/21

+ sign 574.756 $\pm$ 0.086 χ^2/NDF : 4794371.7/40

All: 573.424 $\pm$ 0.061 χ^2/NDF : 9643725.0/81

- sign 572.070 $\pm$ 0.087 χ^2/NDF : 4848871.8/40

asym_sam_37_avg_mean vs Slug



Right In: 347.157 ± 384.717 χ^2/NDF : 24.7/16

Left Out: 674.732 ± 129.541 χ^2/NDF : 59.8/23

Right Out: 760.420 ± 372.421 χ^2/NDF : 9.1/18

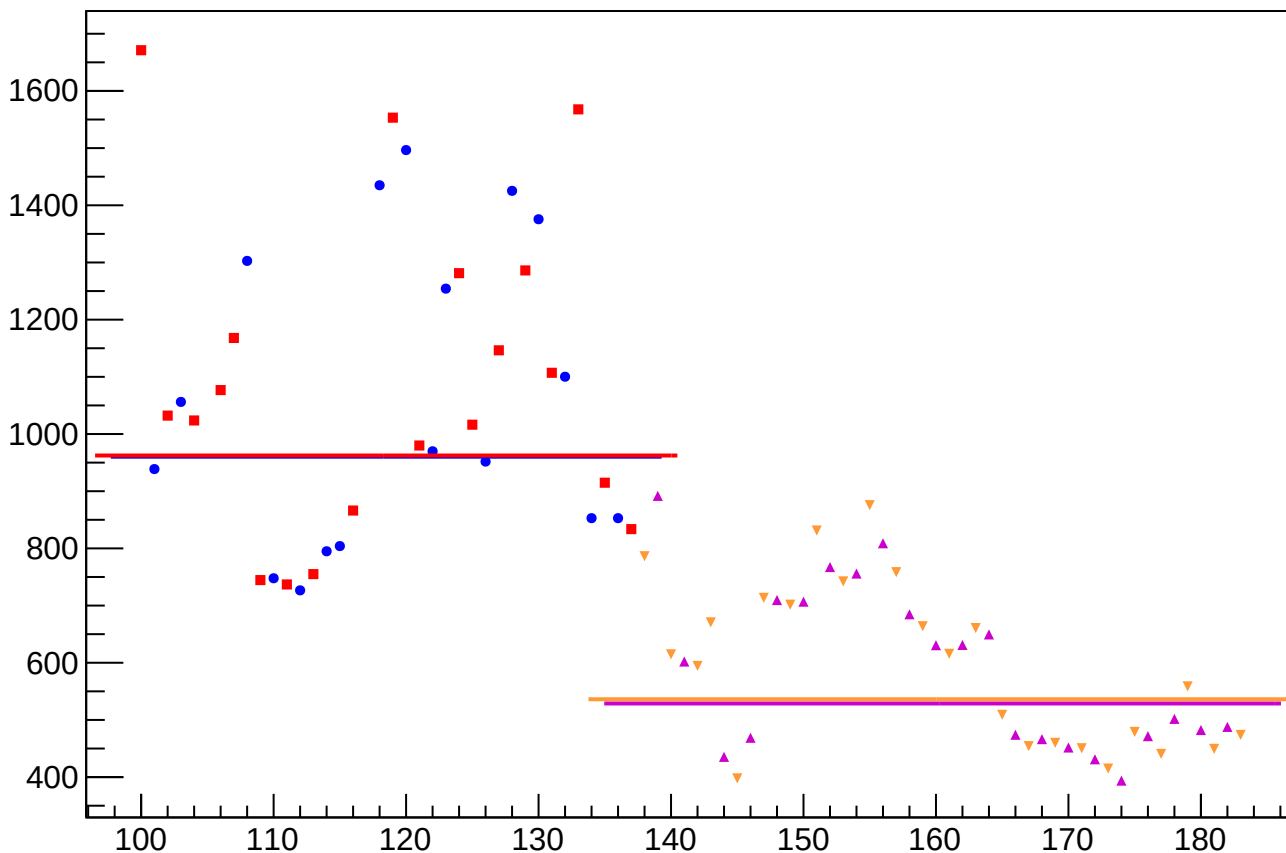
Left In: -2.101 ± 131.289 χ^2/NDF : 26.3/21

+ sign 641.374 ± 122.768 χ^2/NDF : 85.1/40

All: 364.166 ± 87.180 χ^2/NDF : 134.6/81

- sign 82.187 ± 123.821 χ^2/NDF : 39.2/40

asym_sam_37_avg_rms vs Slug



Right In: 960.401 $\pm$ 0.272 χ^2 /NDF: 651758.1/16

Left Out: 536.158 $\pm$ 0.092 χ^2 /NDF:1904387.8/23

Right Out: 962.436 $\pm$ 0.263 χ^2 /NDF: 698312.5/18

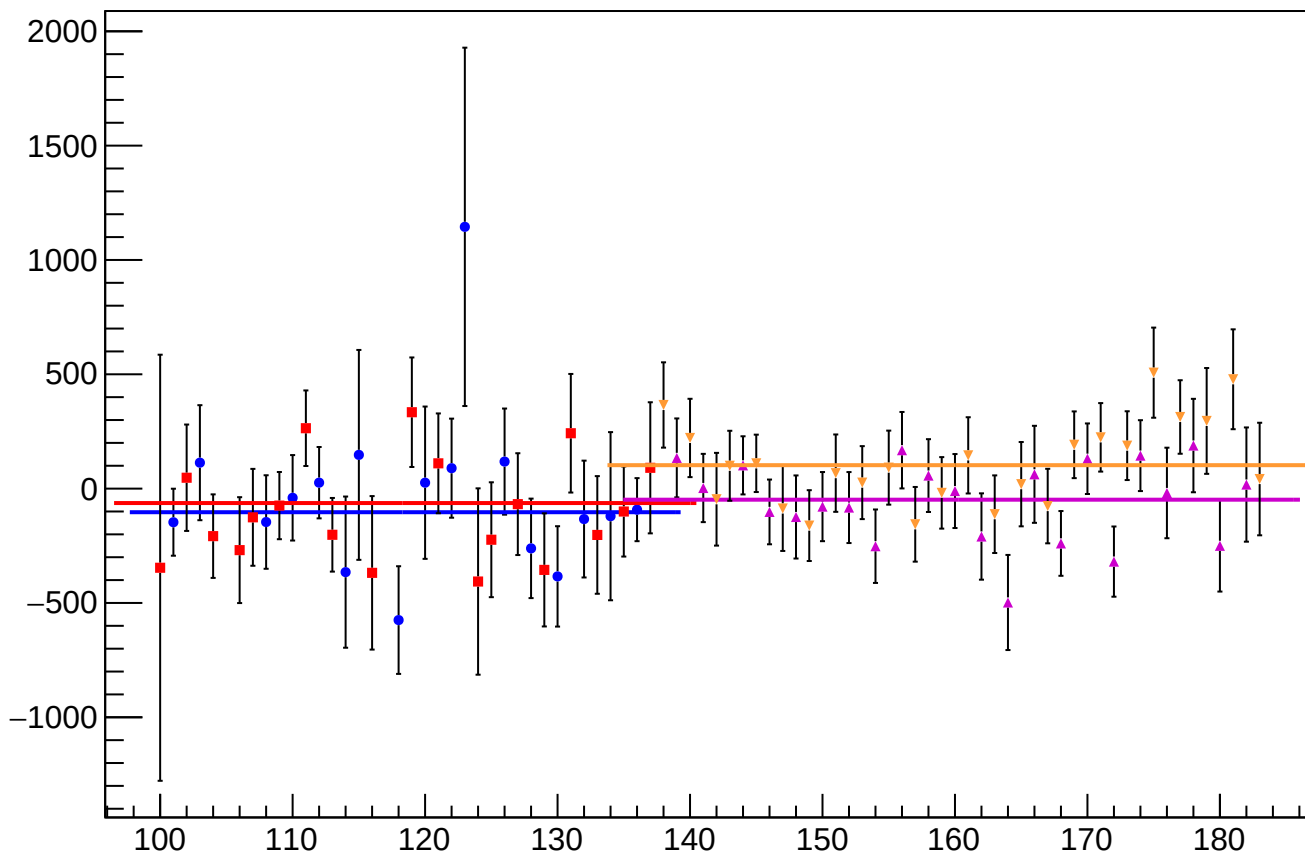
Left In: 528.793 $\pm$ 0.093 χ^2 /NDF:1688446.8/21

+ sign 579.360 $\pm$ 0.087 χ^2 /NDF: 4740557.2/40

All: 578.055 $\pm$ 0.062 χ^2 /NDF: 9539633.8/81

- sign 576.728 $\pm$ 0.088 χ^2 /NDF: 4798620.9/40

reg_asym_sam_48_avg_mean vs Slug



Right In: -103.183 ± 53.022 χ^2/NDF : 13.2/16

Left Out: 102.531 ± 34.320 χ^2/NDF : 24.4/23

Right Out: -63.083 ± 50.922 χ^2/NDF : 15.2/18

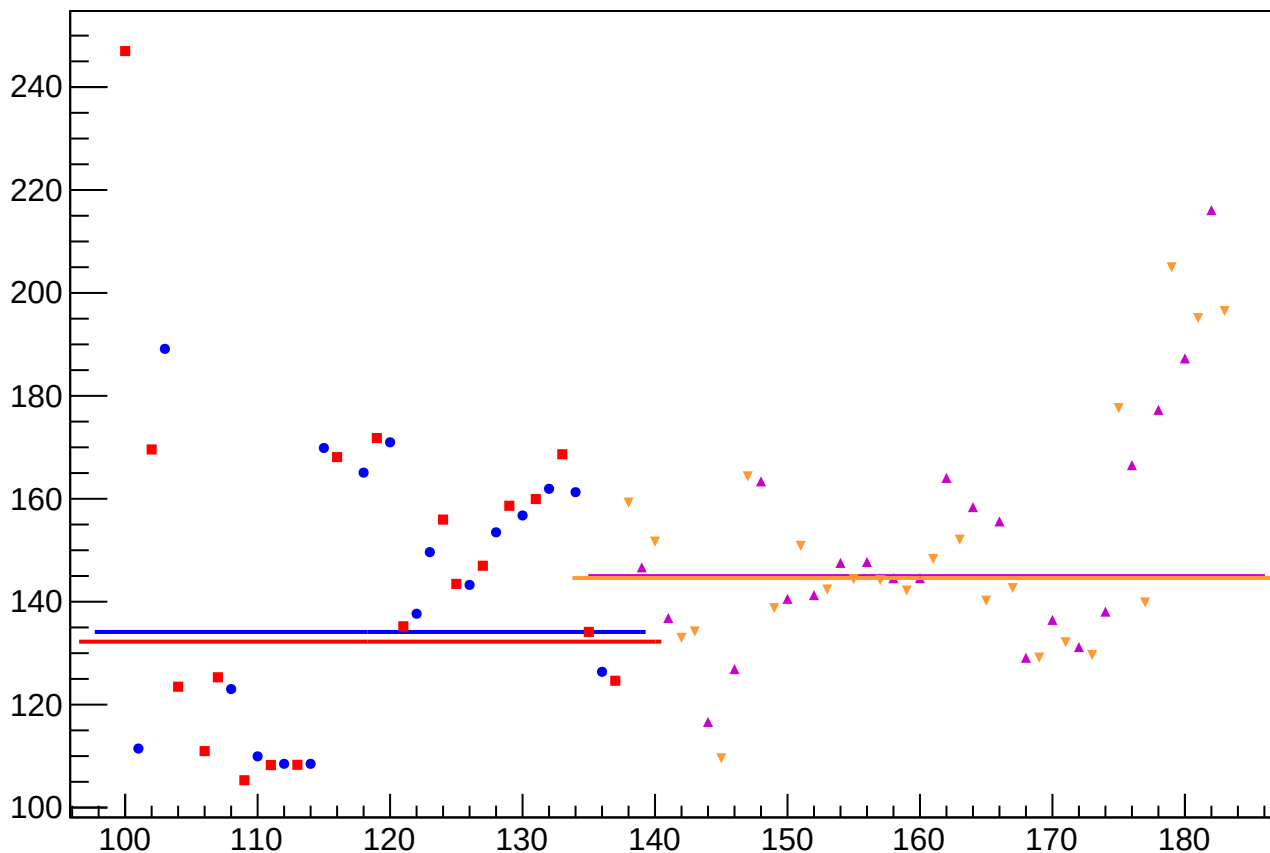
Left In: -48.413 ± 35.405 χ^2/NDF : 22.8/21

+ sign 41.793 ± 28.811 χ^2/NDF : 48.2/40

All: -5.277 ± 20.463 χ^2/NDF : 91.7/81

- sign -53.194 ± 29.069 χ^2/NDF : 38.0/40

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.122 $\pm$ 0.037 χ^2 /NDF: 402473.7/16

Left Out: 144.601 $\pm$ 0.024 χ^2 /NDF:668741.4/23

Right Out: 132.239 $\pm$ 0.036 χ^2 /NDF: 443566.0/18

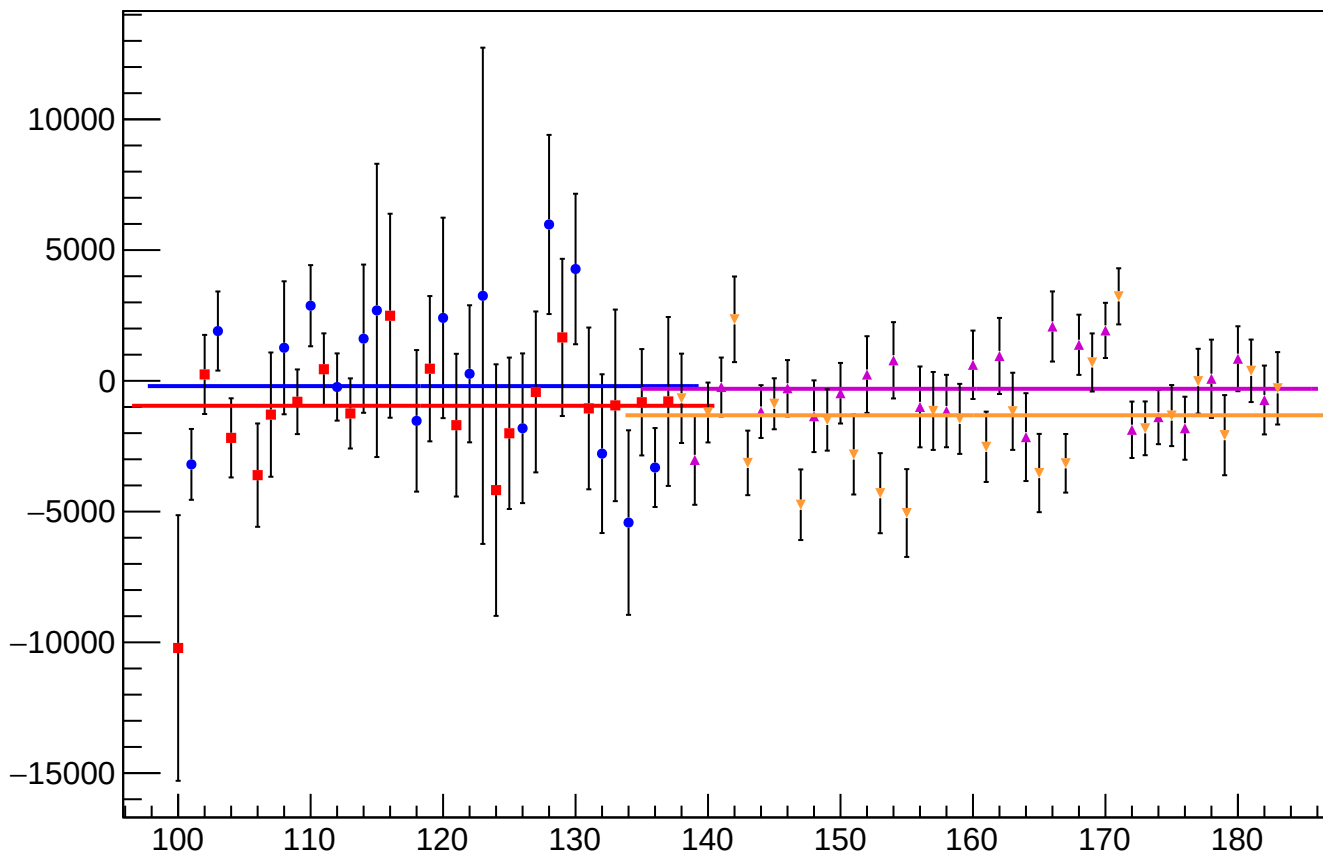
Left In: 144.974 $\pm$ 0.025 χ^2 /NDF:572673.8/21

+ sign 141.507 $\pm$ 0.020 χ^2 /NDF: 1126270.4/40

All: 141.169 $\pm$ 0.014 χ^2 /NDF: 2227389.8/81

- sign 140.824 $\pm$ 0.021 χ^2 /NDF: 1100562.2/40

asym_sam_48_avg_correction_mean vs Slug



Right In: -201.740 ± 524.888 χ^2/NDF : 25.8/16

Left Out: -1316.655 ± 261.764 χ^2/NDF : 54.9/23

Right Out: -953.808 ± 481.576 χ^2/NDF : 10.0/18

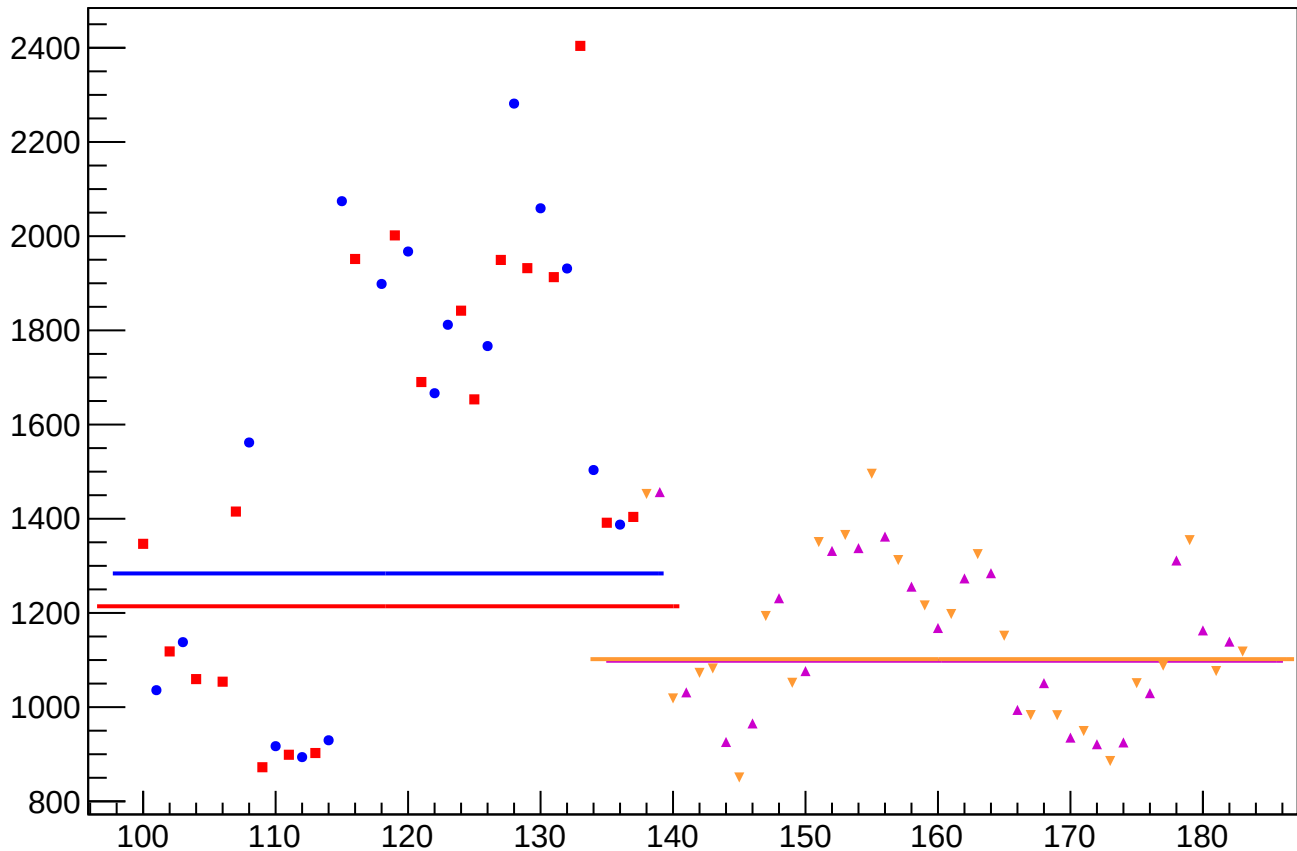
Left In: -304.613 ± 268.230 χ^2/NDF : 23.1/21

+ sign -1094.597 ± 234.250 χ^2/NDF : 84.2/40

All: -776.574 ± 165.669 χ^2/NDF : 122.5/81

- sign -458.326 ± 234.333 χ^2/NDF : 34.6/40

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.882 $\pm$ 0.371 χ^2 /NDF: 1171665.2/16

Left Out: 1101.894 $\pm$ 0.185 χ^2 /NDF: 810453.1/23

Right Out: 1214.162 $\pm$ 0.341 χ^2 /NDF: 1360853.5/18

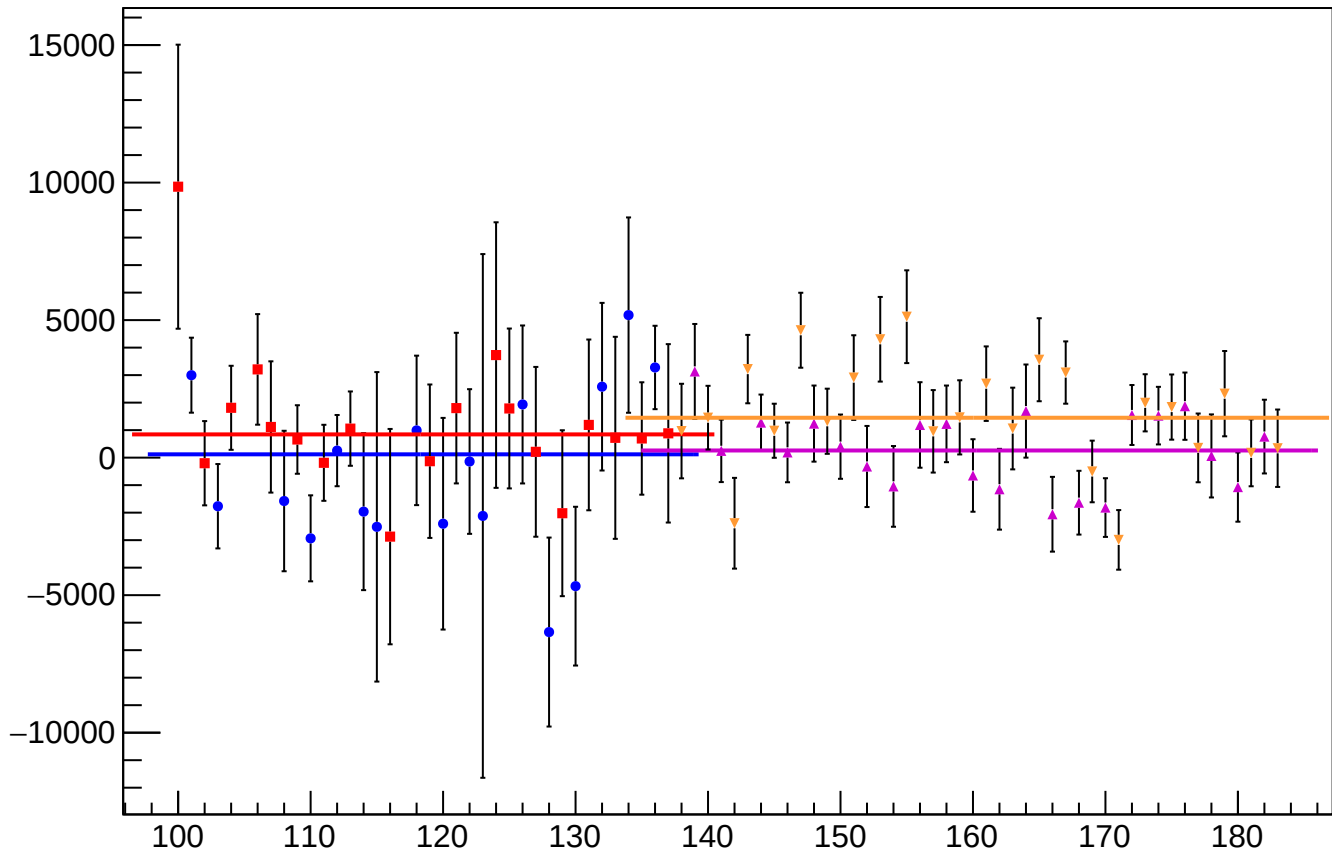
Left In: 1098.506 $\pm$ 0.190 χ^2 /NDF: 677700.0/21

+ sign 1138.141 $\pm$ 0.166 χ^2 /NDF: 2174658.7/40

All: 1132.018 $\pm$ 0.117 χ^2 /NDF: 4303987.9/83

- sign 1125.890 $\pm$ 0.166 χ^2 /NDF: 2126595.3/40

asym_sam_48_avg_mean vs Slug



Right In: 120.212 $\pm$ 528.305 χ^2 /NDF: 25.3/16

Left Out: 1449.941 $\pm$ 264.289 χ^2 /NDF: 50.4/23

Right Out: 845.039 $\pm$ 485.264 χ^2 /NDF: 8.5/18

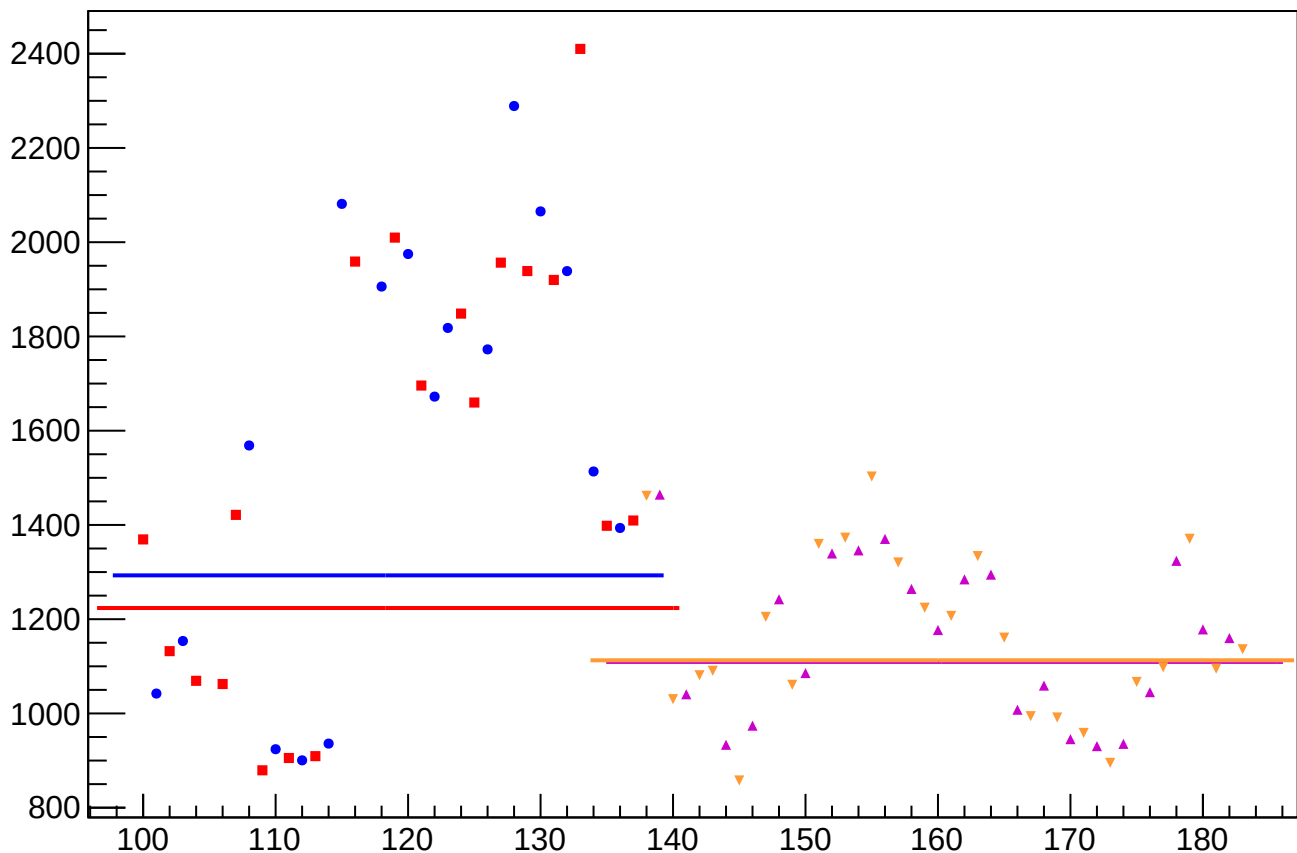
Left In: 260.157 $\pm$ 270.822 χ^2 /NDF: 23.4/21

+ sign 1183.776 $\pm$ 236.363 χ^2 /NDF: 80.7/40

All: 791.625 $\pm$ 167.177 χ^2 /NDF: 119.3/81

- sign 399.064 $\pm$ 236.486 χ^2 /NDF: 33.0/40

asym_sam_48_avg_rms vs Slug



Right In: 1292.993 $\pm$ 0.374 χ^2 /NDF: 1158775.5/16

Left Out: 1112.760 $\pm$ 0.187 χ^2 /NDF: 798415.1/23

Right Out: 1223.713 $\pm$ 0.343 χ^2 /NDF: 1345807.4/18

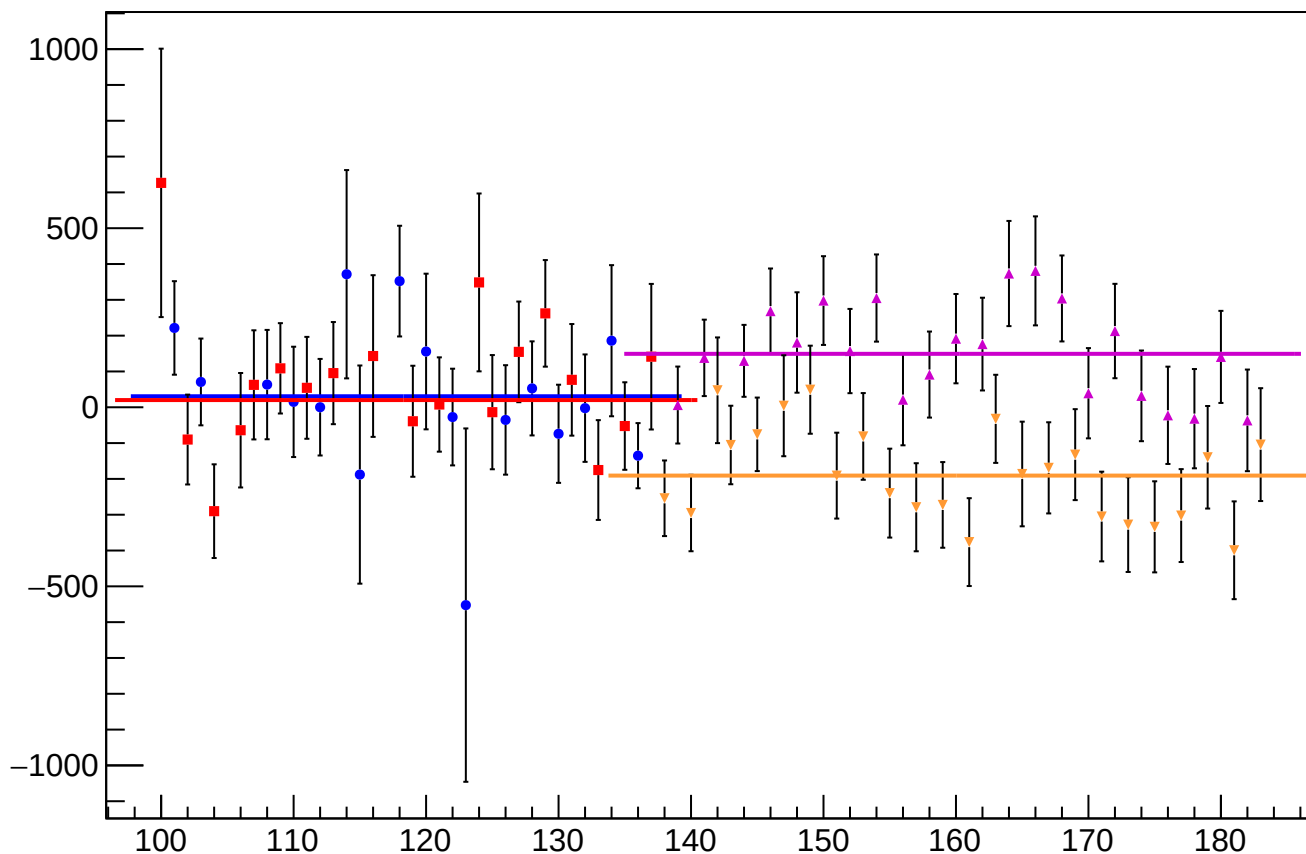
Left In: 1109.325 $\pm$ 0.192 χ^2 /NDF: 667145.0/21

+ sign 1148.837 $\pm$ 0.167 χ^2 /NDF: 2143368.9/40

All: 1142.667 $\pm$ 0.118 χ^2 /NDF: 4243784.7/83

- sign 1136.492 $\pm$ 0.167 χ^2 /NDF: 2097689.4/40

reg_asym_sam_15_dd_mean vs Slug



Right In: 30.740 ± 36.437 χ^2/NDF : 15.2/16

Left Out: -190.755 ± 25.442 χ^2/NDF : 24.3/23

Right Out: 20.110 ± 34.774 χ^2/NDF : 18.8/18

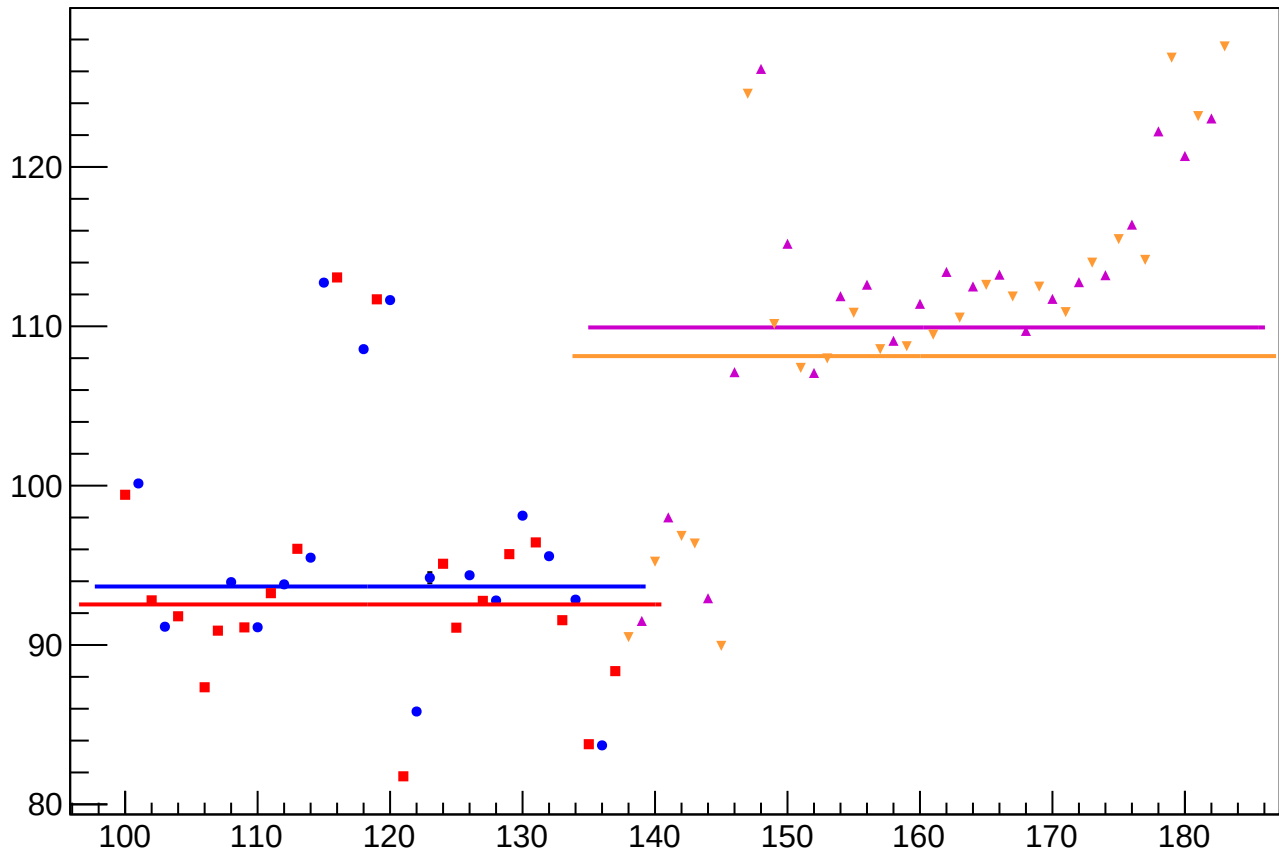
Left In: 149.219 ± 26.601 χ^2/NDF : 20.5/21

+ sign -118.160 ± 20.860 χ^2/NDF : 64.4/40

All: -9.704 ± 14.844 χ^2/NDF : 167.2/81

- sign 101.559 ± 21.128 χ^2/NDF : 48.1/40

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.670 $\pm$ 0.026 χ^2 /NDF: 79871.5/16

Left Out: 108.130 $\pm$ 0.018 χ^2 /NDF: 323350.9/23

Right Out: 92.545 $\pm$ 0.025 χ^2 /NDF: 78872.3/18

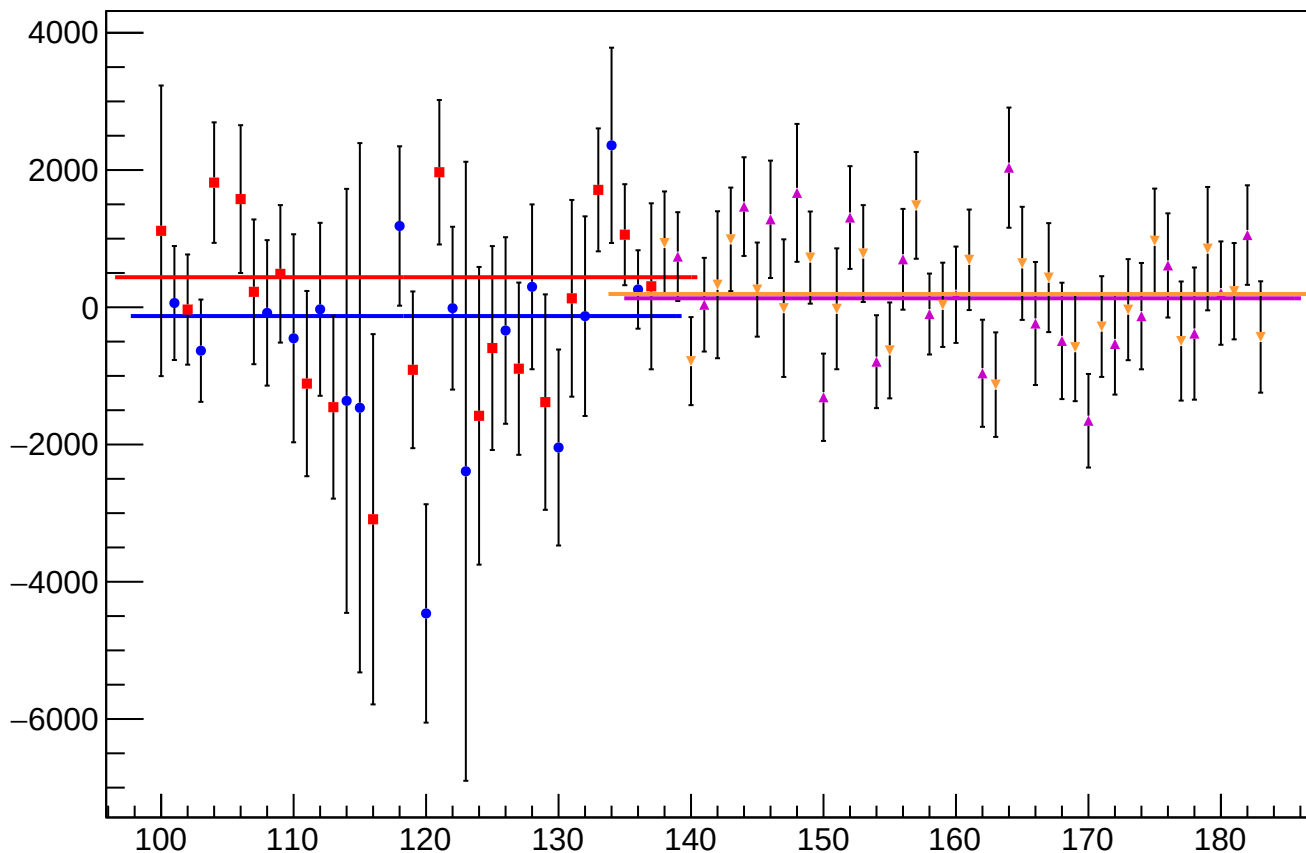
Left In: 109.929 $\pm$ 0.019 χ^2 /NDF: 232559.9/21

+ sign 103.391 $\pm$ 0.015 χ^2 /NDF: 614946.6/40

All: 103.450 $\pm$ 0.010 χ^2 /NDF: 1241734.9/81

- sign 103.512 $\pm$ 0.015 χ^2 /NDF: 626755.1/40

asym_sam_15_dd_correction_mean vs Slug



Right In: -127.998+/-277.067 χ^2 /NDF: 15.3/16

Left Out: 193.765+/-155.024 χ^2 /NDF: 18.2/23

Right Out: 438.094+/-260.694 χ^2 /NDF: 19.2/18

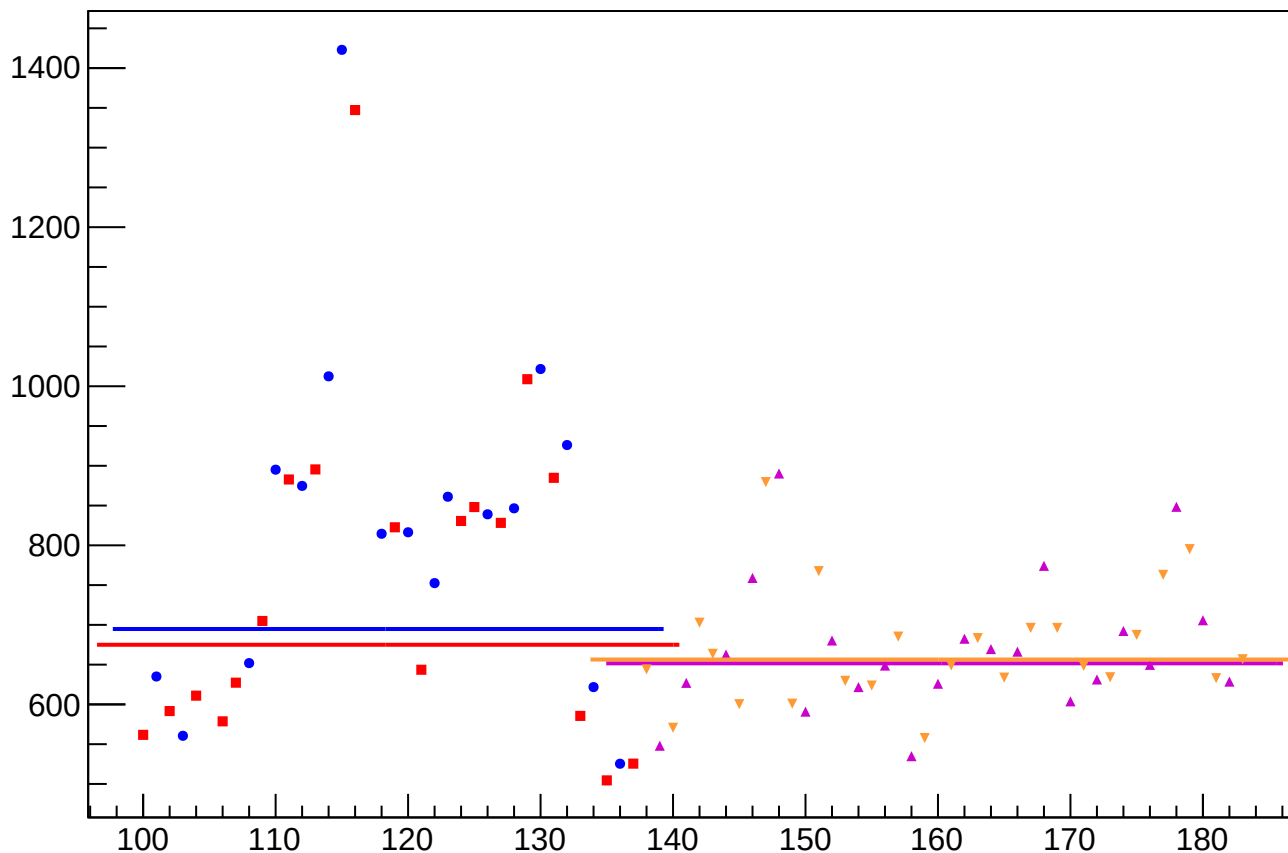
Left In: 130.707+/-158.653 χ^2 /NDF: 36.2/21

+ sign 117.050+/-135.287 χ^2 /NDF: 34.5/40

All: 165.331+/-95.747 χ^2 /NDF: 91.2/81

- sign 213.784+/-135.528 χ^2 /NDF: 56.5/40

asym_sam_15_dd_correction_rms vs Slug



Right In: 694.803+/-0.196 $\chi^2/\text{NDF}: 677838.4/16$

Left Out: 656.424+/-0.110 $\chi^2/\text{NDF}: 359575.7/23$

Right Out: 674.986+/-0.184 $\chi^2/\text{NDF}: 679698.0/18$

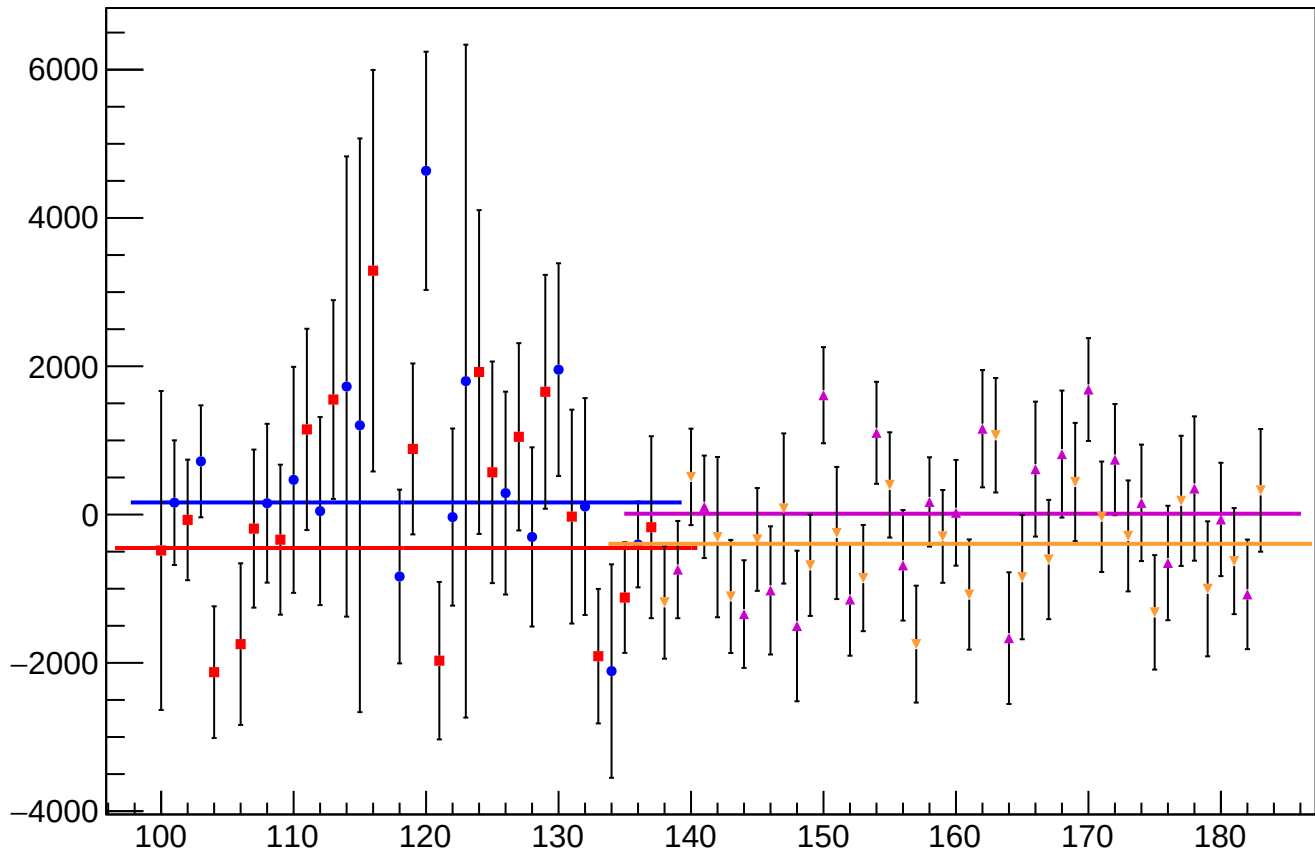
Left In: 651.617+/-0.112 $\chi^2/\text{NDF}: 463840.0/21$

+ sign 665.574+/-0.096 $\chi^2/\text{NDF}: 1066639.8/40$

All: 661.760+/-0.068 $\chi^2/\text{NDF}: 2225089.8/81$

- sign 657.933+/-0.096 $\chi^2/\text{NDF}: 1155265.7/40$

asym_sam_15_dd_mean vs Slug



Right In: 163.513 ± 279.836 χ^2/NDF : 14.7/16

Left Out: -394.372 ± 157.231 χ^2/NDF : 18.3/23

Right Out: -450.889 ± 263.386 χ^2/NDF : 22.5/18

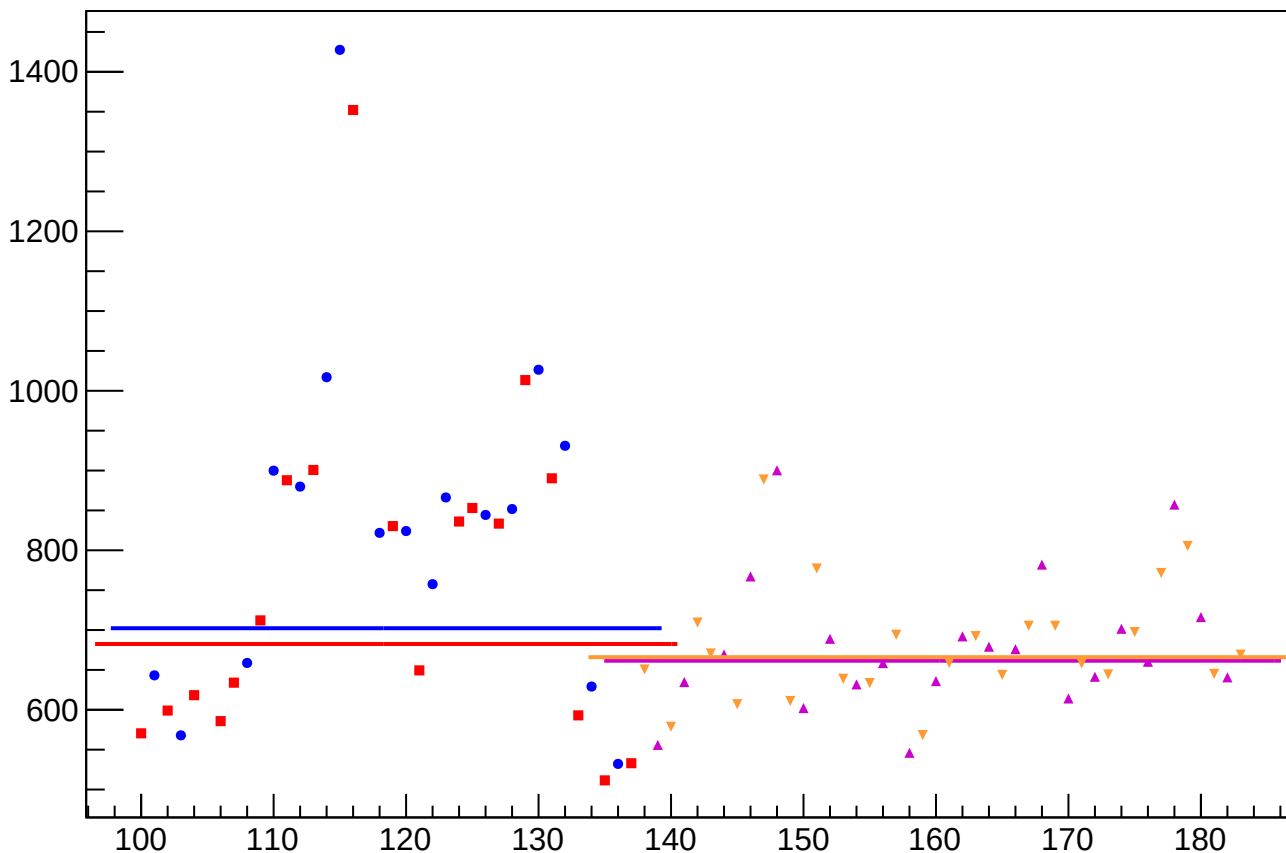
Left In: 11.432 ± 161.011 χ^2/NDF : 37.2/21

+ sign -260.510 ± 137.076 χ^2/NDF : 36.0/40

All: -187.583 ± 97.033 χ^2/NDF : 98.6/81

- sign -114.337 ± 137.375 χ^2/NDF : 62.0/40

asym_sam_15_dd_rms vs Slug



Right In: 702.265+/-0.198 χ^2/NDF : 660691.4/16

Left Out: 665.963+/-0.111 χ^2/NDF : 350291.1/23

Right Out: 682.505+/-0.186 χ^2/NDF : 662840.9/18

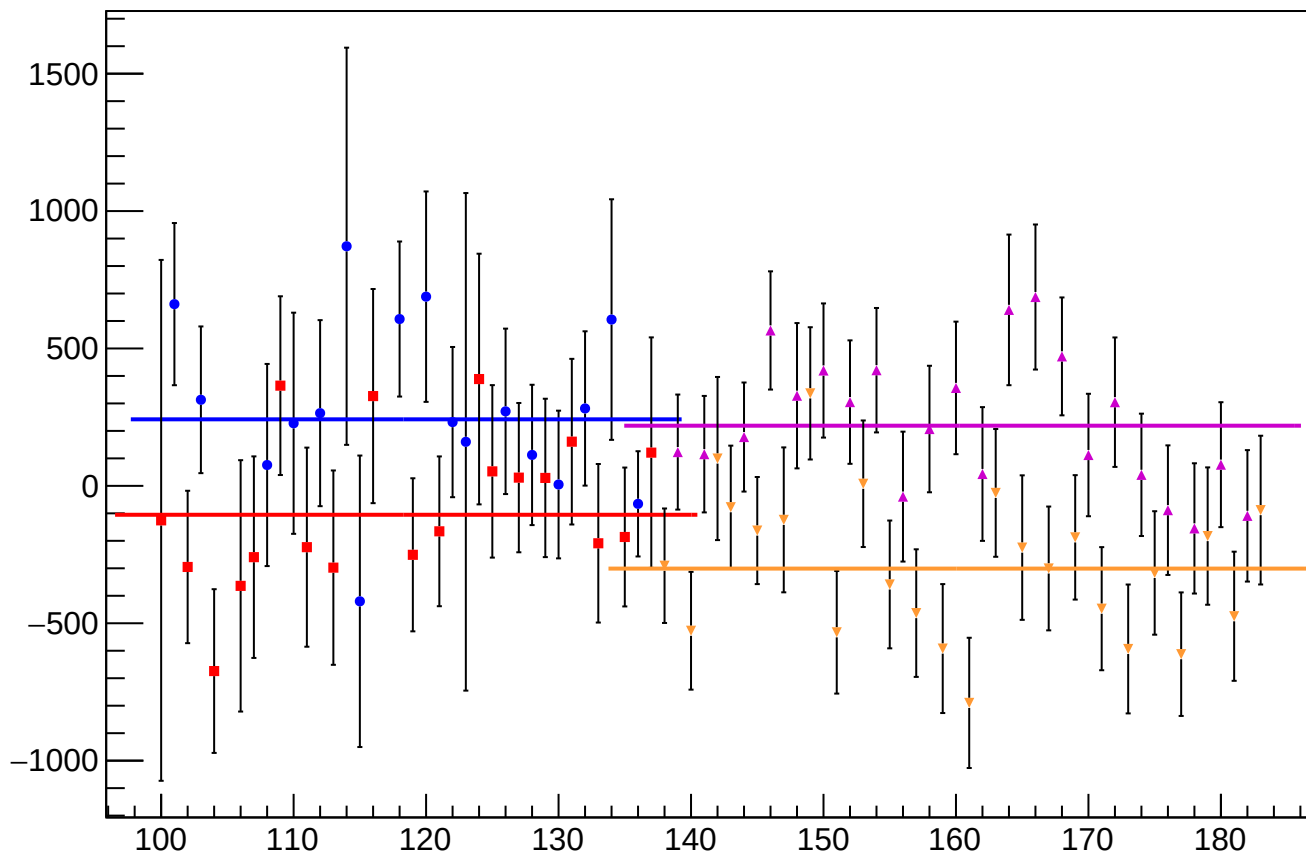
Left In: 661.539+/-0.114 χ^2/NDF : 447425.2/21

+ sign 674.674+/-0.097 χ^2/NDF : 1036564.7/40

All: 670.966+/-0.069 χ^2/NDF : 2158988.5/81

- sign 667.243+/-0.097 χ^2/NDF : 1119491.6/40

reg_asym_sam_26_dd_mean vs Slug



Right In: 242.121 ± 76.105 $\chi^2/\text{NDF}: 12.0/16$

Left Out: -301.058 ± 47.474 $\chi^2/\text{NDF}: 28.2/23$

Right Out: -105.190 ± 74.426 $\chi^2/\text{NDF}: 11.8/18$

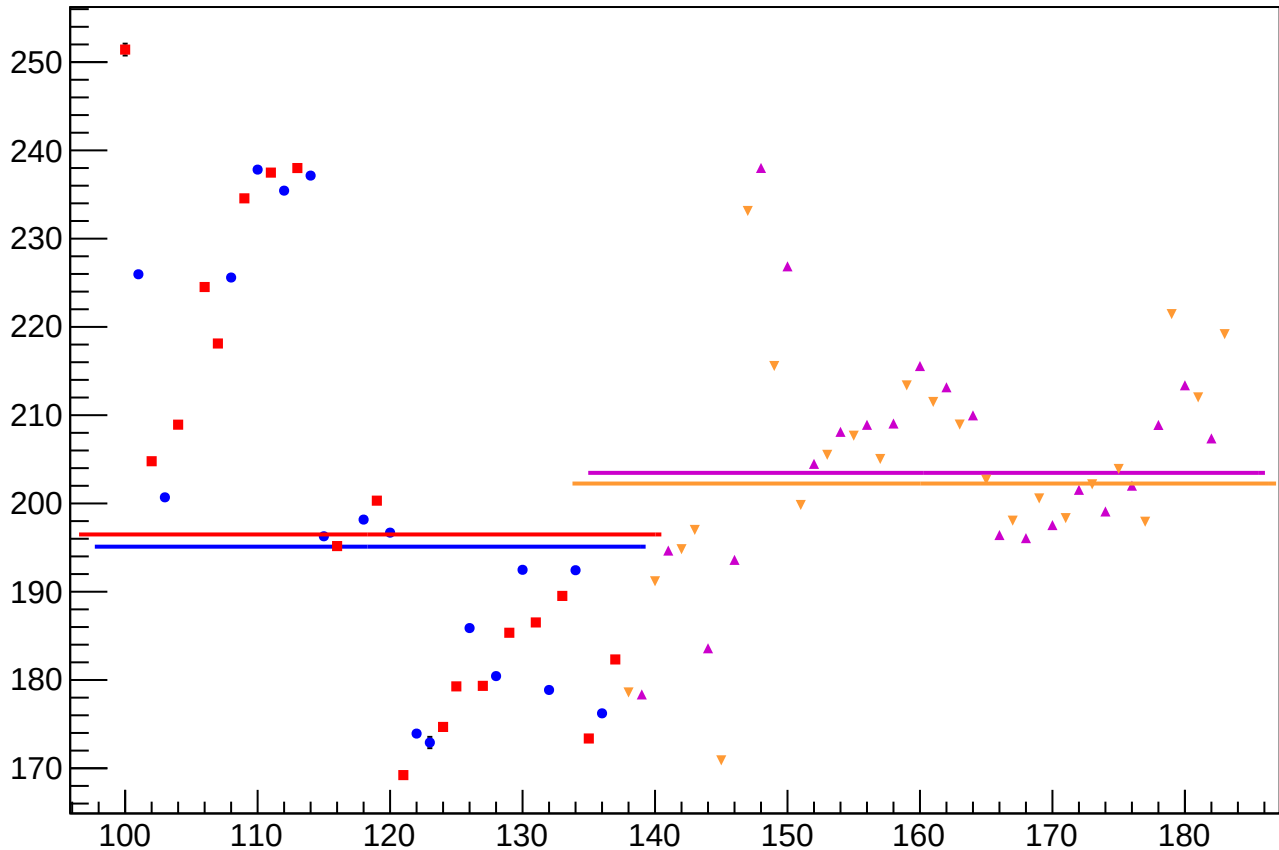
Left In: 218.958 ± 49.166 $\chi^2/\text{NDF}: 21.3/21$

+ sign -148.901 ± 40.280 $\chi^2/\text{NDF}: 76.8/40$

All: -16.674 ± 28.741 $\chi^2/\text{NDF}: 145.1/81$

- sign 120.478 ± 41.023 $\chi^2/\text{NDF}: 46.3/40$

reg_asym_sam_26_dd_rms vs Slug



Right In: 195.104 $\pm$ 0.054 χ^2 /NDF: 142538.2/16

Left Out: 202.256 $\pm$ 0.034 χ^2 /NDF:155384.7/23

Right Out: 196.488 $\pm$ 0.053 χ^2 /NDF: 171375.7/18

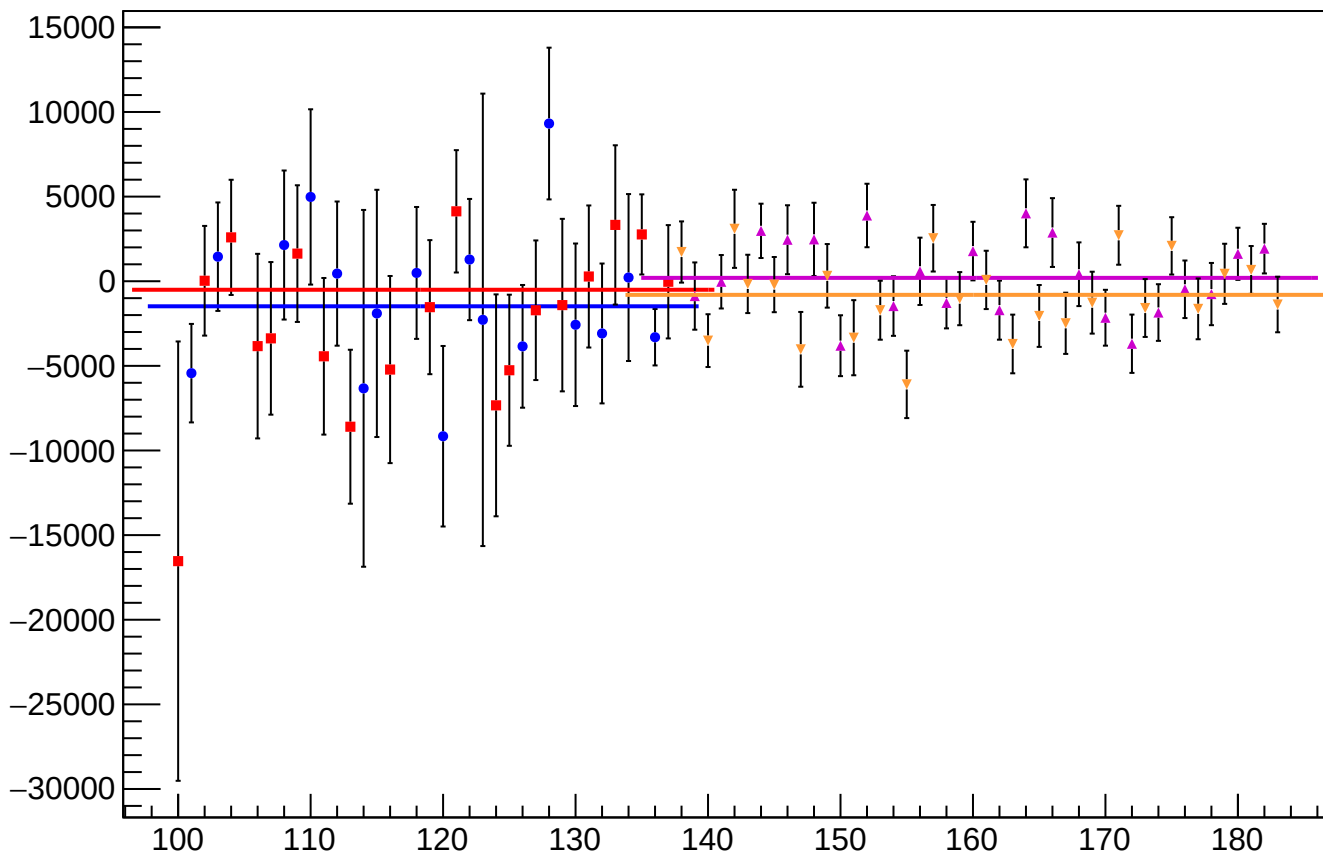
Left In: 203.466 $\pm$ 0.035 χ^2 /NDF:133005.1/21

+ sign 200.253 $\pm$ 0.028 χ^2 /NDF: 310635.7/40

All: 200.789 $\pm$ 0.020 χ^2 /NDF: 627980.1/81

- sign 201.346 $\pm$ 0.029 χ^2 /NDF: 316621.2/40

asym_sam_26_dd_correction_mean vs Slug



Right In: -1480.760 ± 912.560 χ^2/NDF : 16.0/16

Left Out: -804.744 ± 361.570 χ^2/NDF : 35.7/23

Right Out: -503.732 ± 936.543 χ^2/NDF : 14.7/18

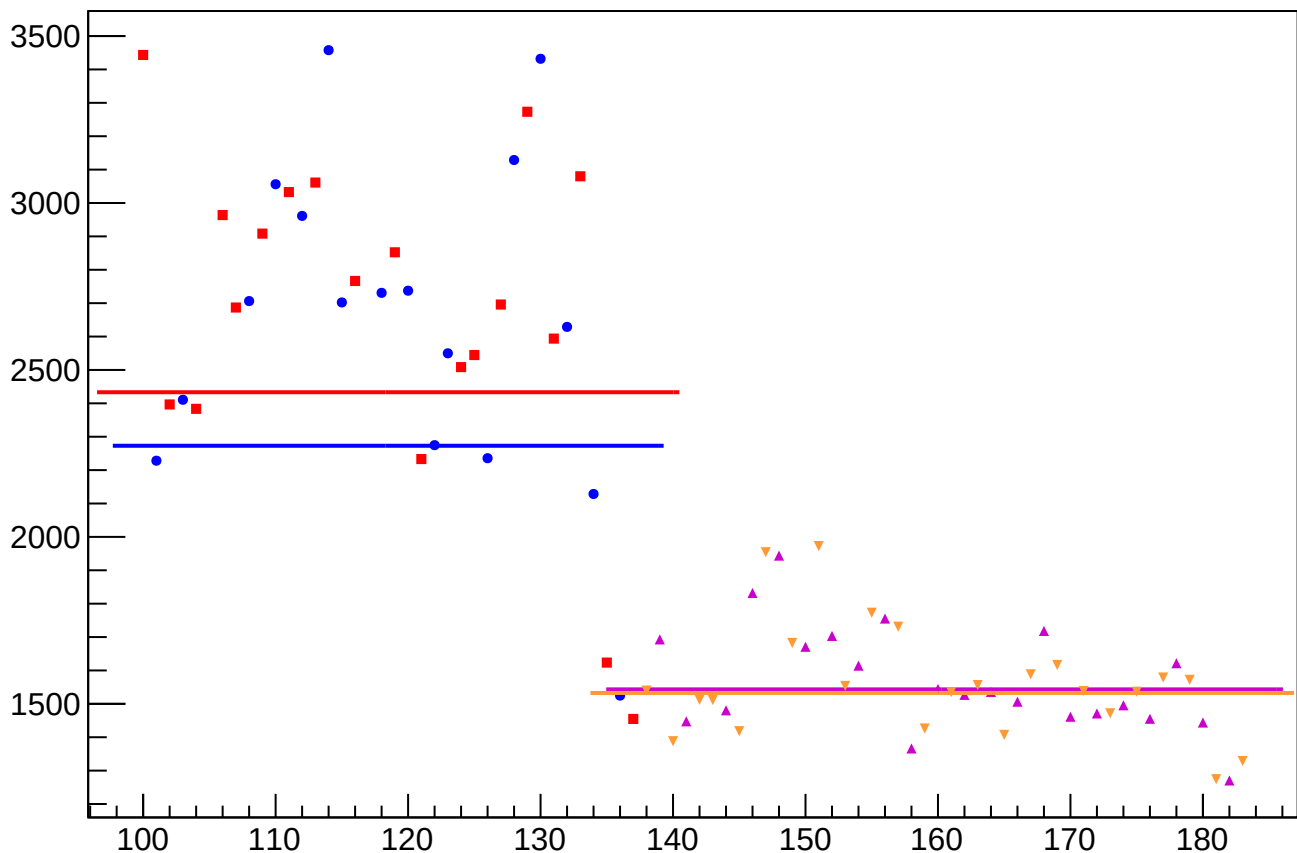
Left In: 198.448 ± 374.440 χ^2/NDF : 35.1/21

+ sign -896.470 ± 336.146 χ^2/NDF : 52.2/40

All: -414.231 ± 241.666 χ^2/NDF : 106.7/81

- sign 101.674 ± 347.682 χ^2/NDF : 50.3/40

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.950 $\pm$ 0.645 χ^2 /NDF: 806901.4/16

Left Out: 1532.596 $\pm$ 0.256 χ^2 /NDF: 369008.1/23

Right Out: 2433.249 $\pm$ 0.662 χ^2 /NDF: 682781.3/18

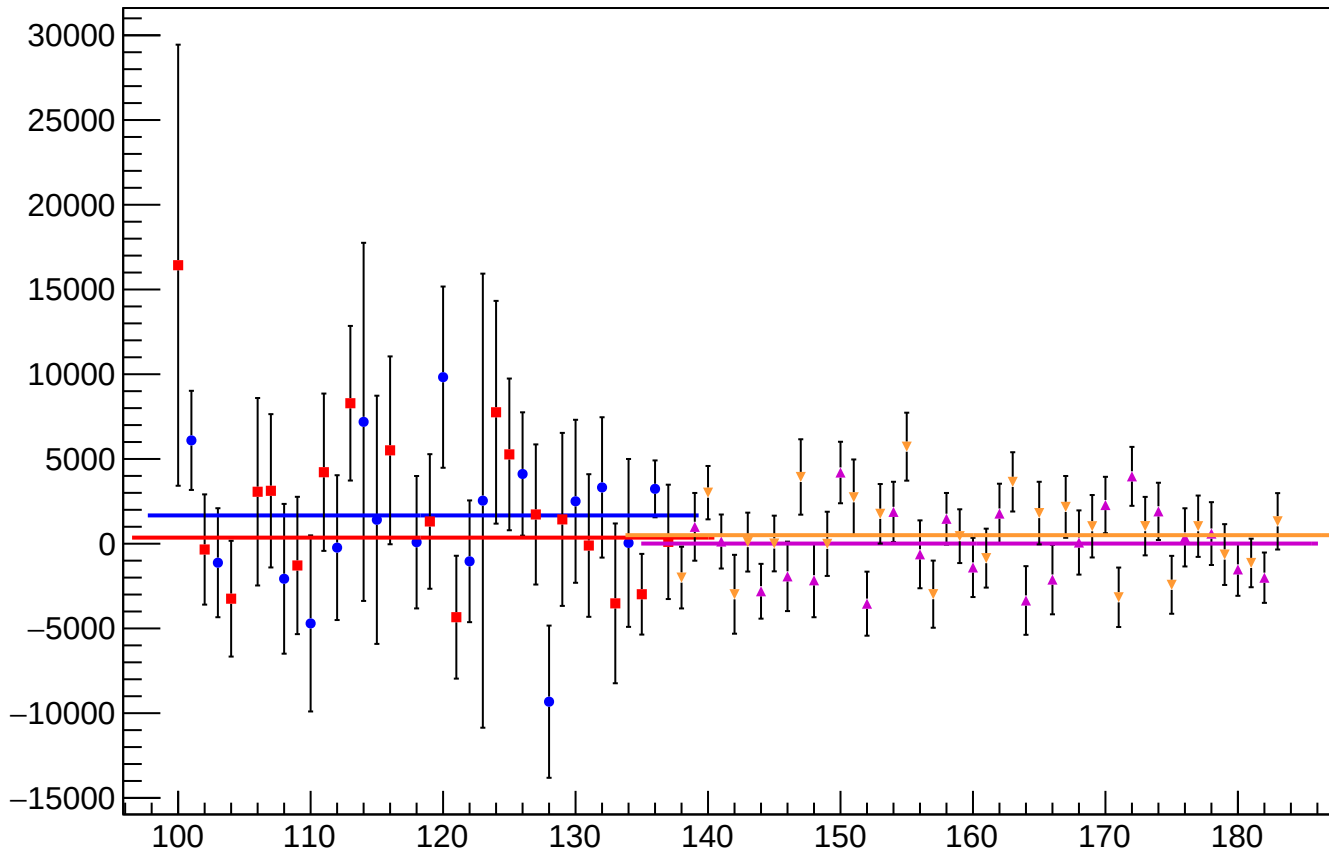
Left In: 1543.306 $\pm$ 0.265 χ^2 /NDF: 323583.3/21

+ sign 1633.051 $\pm$ 0.238 χ^2 /NDF: 2313689.8/40

All: 1648.949 $\pm$ 0.171 χ^2 /NDF: 4886349.2/81

- sign 1665.957 $\pm$ 0.246 χ^2 /NDF: 2563400.1/40

asym_sam_26_dd_mean vs Slug



Right In: 1668.629+/-916.594 χ^2/NDF : 16.4/16

Left Out: 503.259+/-364.878 χ^2/NDF : 35.4/23

Right Out: 358.685+/-940.367 χ^2/NDF : 15.1/18

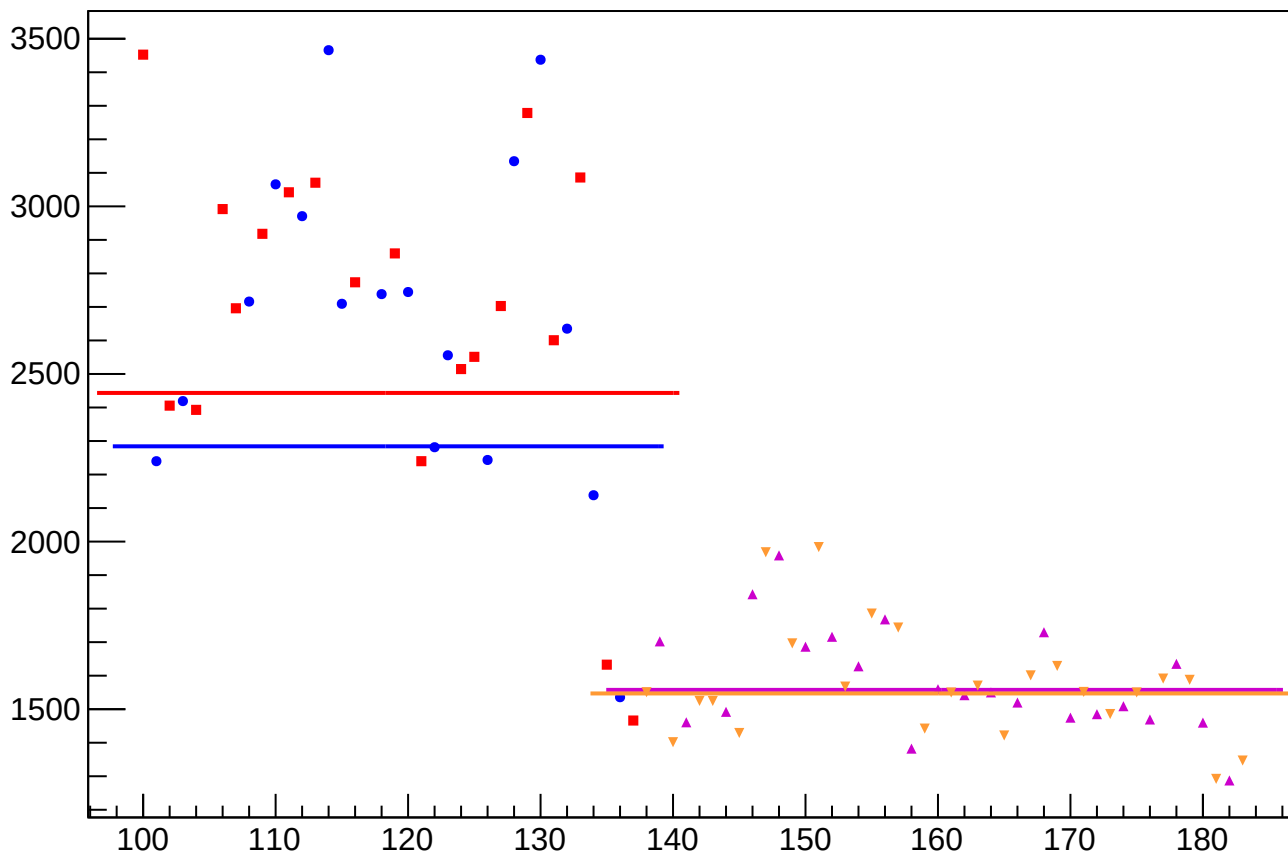
Left In: 8.025+/-377.844 χ^2/NDF : 32.9/21

+ sign 662.671+/-339.005 χ^2/NDF : 53.2/40

All: 369.906+/-243.709 χ^2/NDF : 102.8/81

- sign 56.769+/-350.601 χ^2/NDF : 48.1/40

asym_sam_26_dd_rms vs Slug



Right In: 2284.187 $\pm$ 0.648 χ^2 /NDF: 795230.1/16

Left Out: 1546.967 $\pm$ 0.258 χ^2 /NDF: 357826.9/23

Right Out: 2443.443 $\pm$ 0.665 χ^2 /NDF: 674891.8/18

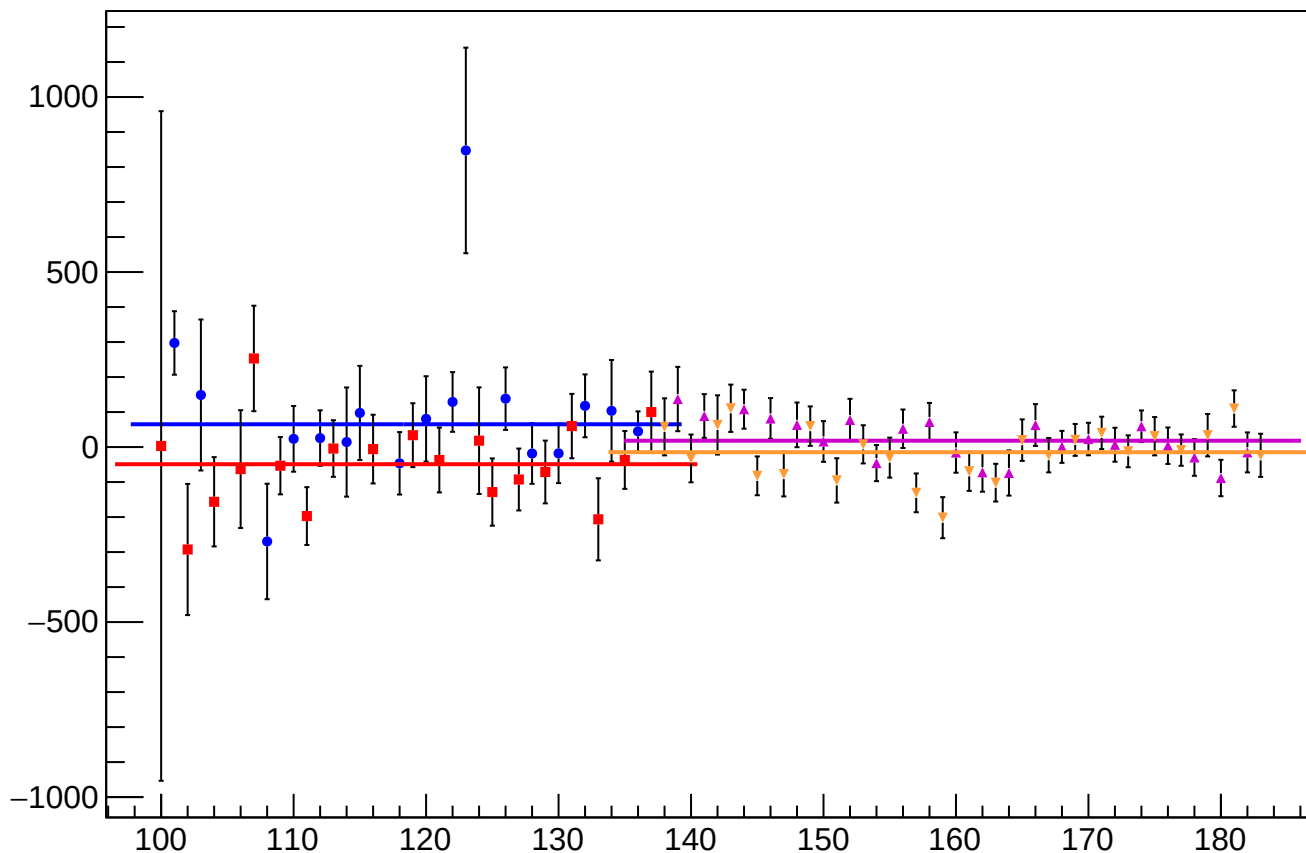
Left In: 1557.640 $\pm$ 0.267 χ^2 /NDF: 313767.9/21

+ sign 1647.812 $\pm$ 0.240 χ^2 /NDF: 2269887.7/40

All: 1663.737 $\pm$ 0.172 χ^2 /NDF: 4795636.7/83

- sign 1680.771 $\pm$ 0.248 χ^2 /NDF: 2516614.3/40

reg_asym_sam_37_dd_mean vs Slug



Right In: 65.082 ± 23.794 χ^2/NDF : 23.8/16

Left Out: -14.713 ± 11.436 χ^2/NDF : 38.8/23

Right Out: -49.027 ± 23.731 χ^2/NDF : 17.1/18

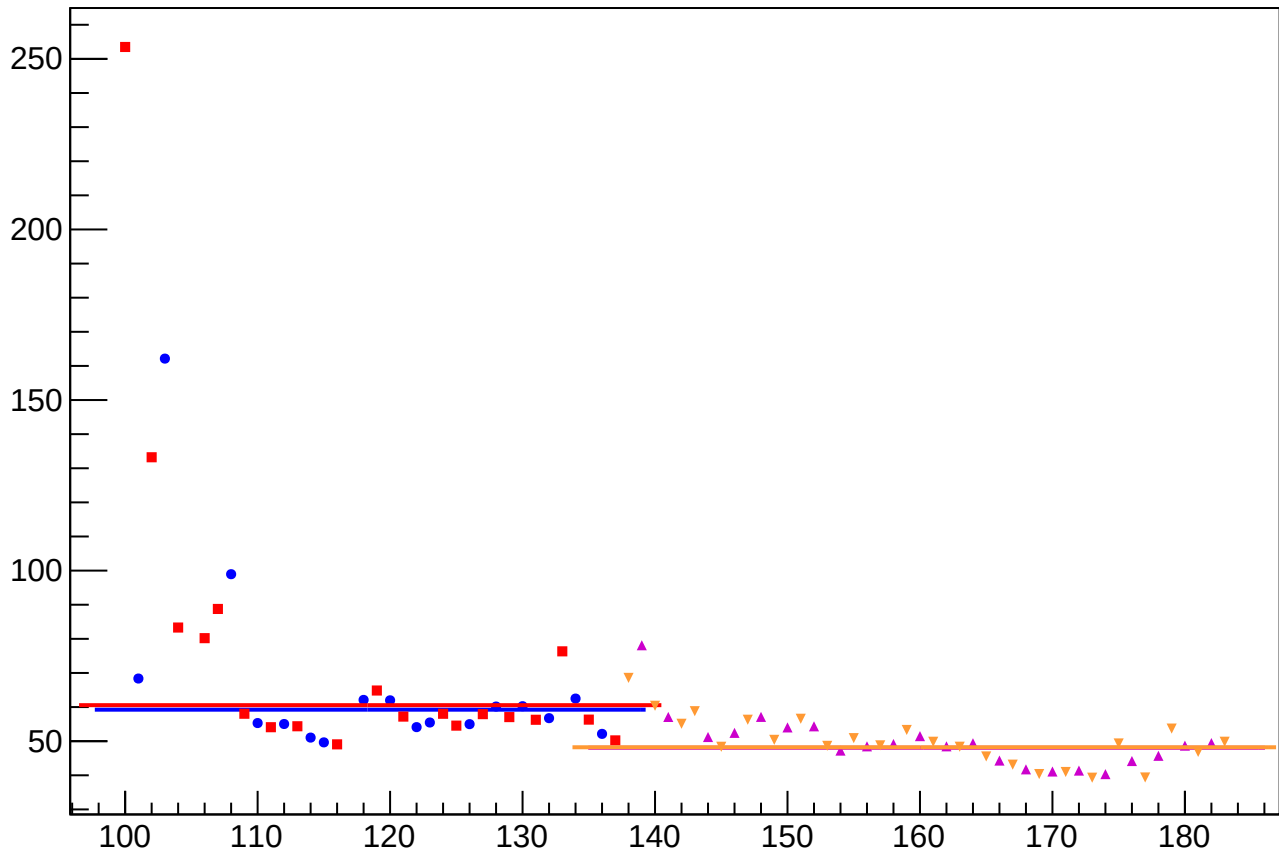
Left In: 18.113 ± 11.730 χ^2/NDF : 23.2/21

+ sign 0.260 ± 10.307 χ^2/NDF : 71.7/40

All: 2.549 ± 7.361 χ^2/NDF : 118.6/81

- sign 4.931 ± 10.515 χ^2/NDF : 46.7/40

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.236 $\pm$ 0.017 χ^2 /NDF: 665304.8/16

Left Out: 48.216 $\pm$ 0.008 χ^2 /NDF: 650056.2/23

Right Out: 60.558 $\pm$ 0.017 χ^2 /NDF: 678218.1/18

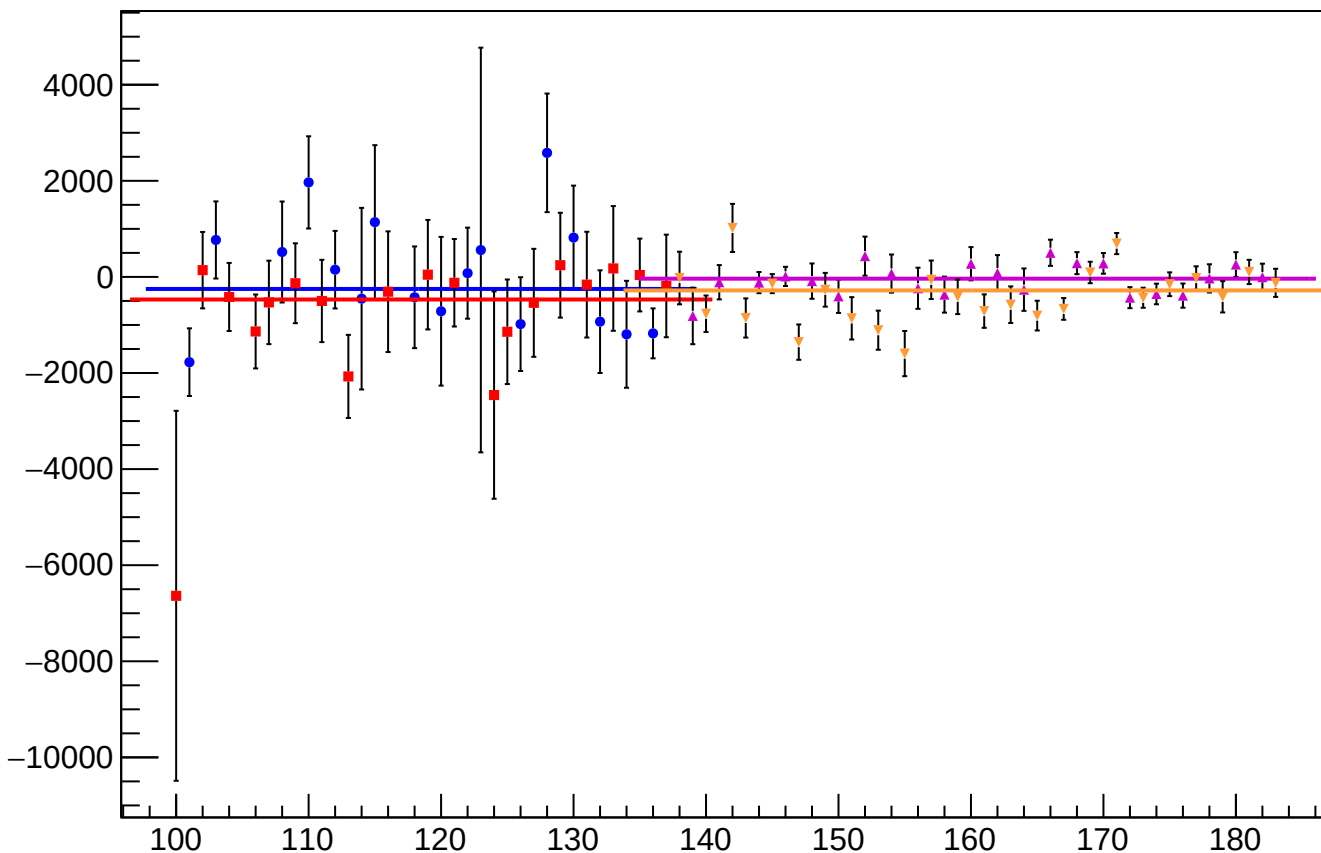
Left In: 48.070 $\pm$ 0.008 χ^2 /NDF: 569941.0/21

+ sign 50.284 $\pm$ 0.007 χ^2 /NDF: 1663850.6/40

All: 50.400 $\pm$ 0.005 χ^2 /NDF: 3357604.1/81

- sign 50.522 $\pm$ 0.007 χ^2 /NDF: 1693230.1/40

asym_sam_37_dd_correction_mean vs Slug



Right In: -250.295 $\pm$ 234.463 χ^2/NDF : 24.6/16

Left Out: -281.026 $\pm$ 60.915 χ^2/NDF :68.8/23

Right Out: -469.693 $\pm$ 222.800 χ^2/NDF : 10.4/18

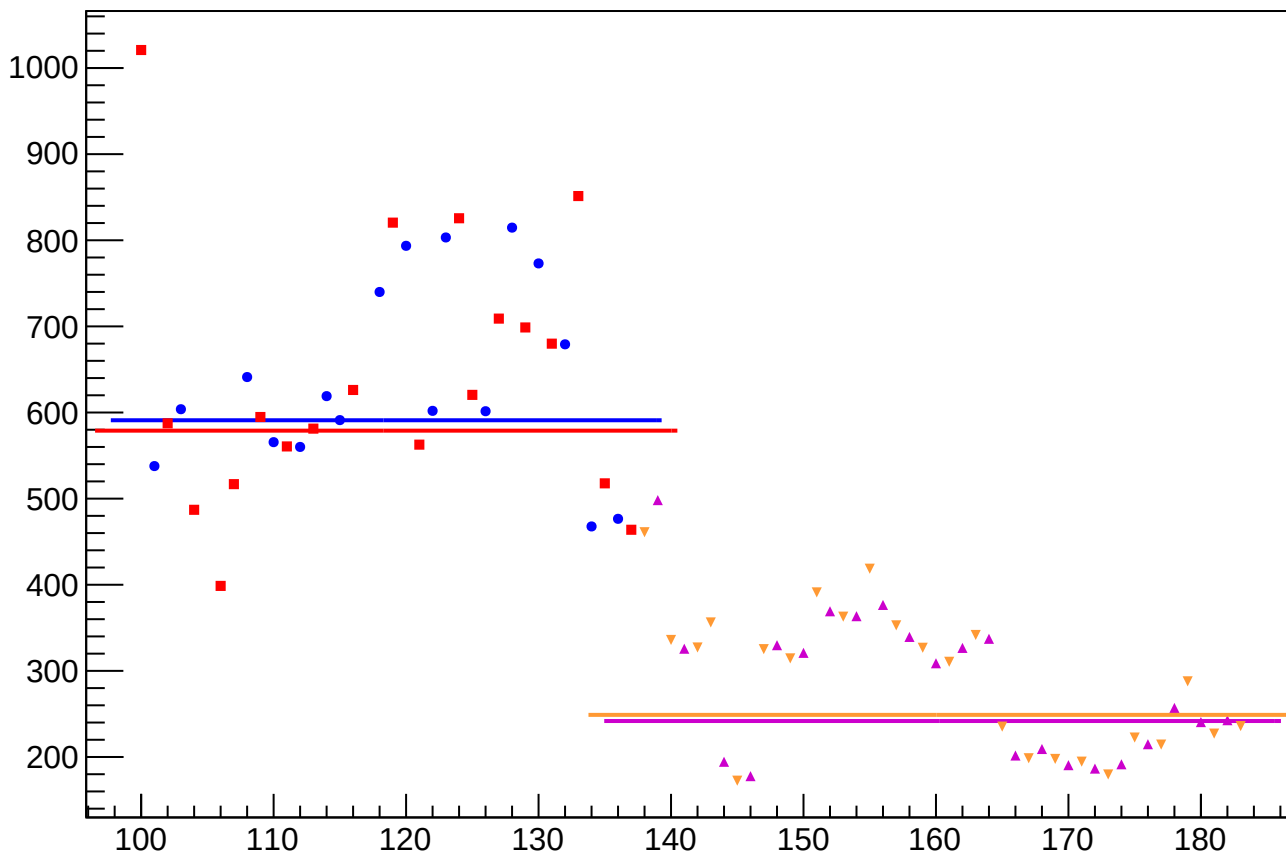
Left In: -36.395 $\pm$ 60.881 χ^2/NDF :23.5/21

+ sign -279.083 $\pm$ -58.958 χ^2/NDF : 93.4/40

All: -172.377 $\pm$ -41.608 χ^2/NDF : 137.3/81

- sign -66.501 $\pm$ -58.728 χ^2/NDF : 37.4/40

asym_sam_37_dd_correction_rms vs Slug



Right In: 591.003 $\pm$ 0.166 χ^2 /NDF: 358207.6/16

Left Out: 248.918 $\pm$ 0.043 χ^2 /NDF: 2740256.8/23

Right Out: 578.937 $\pm$ 0.158 χ^2 /NDF: 496440.2/18

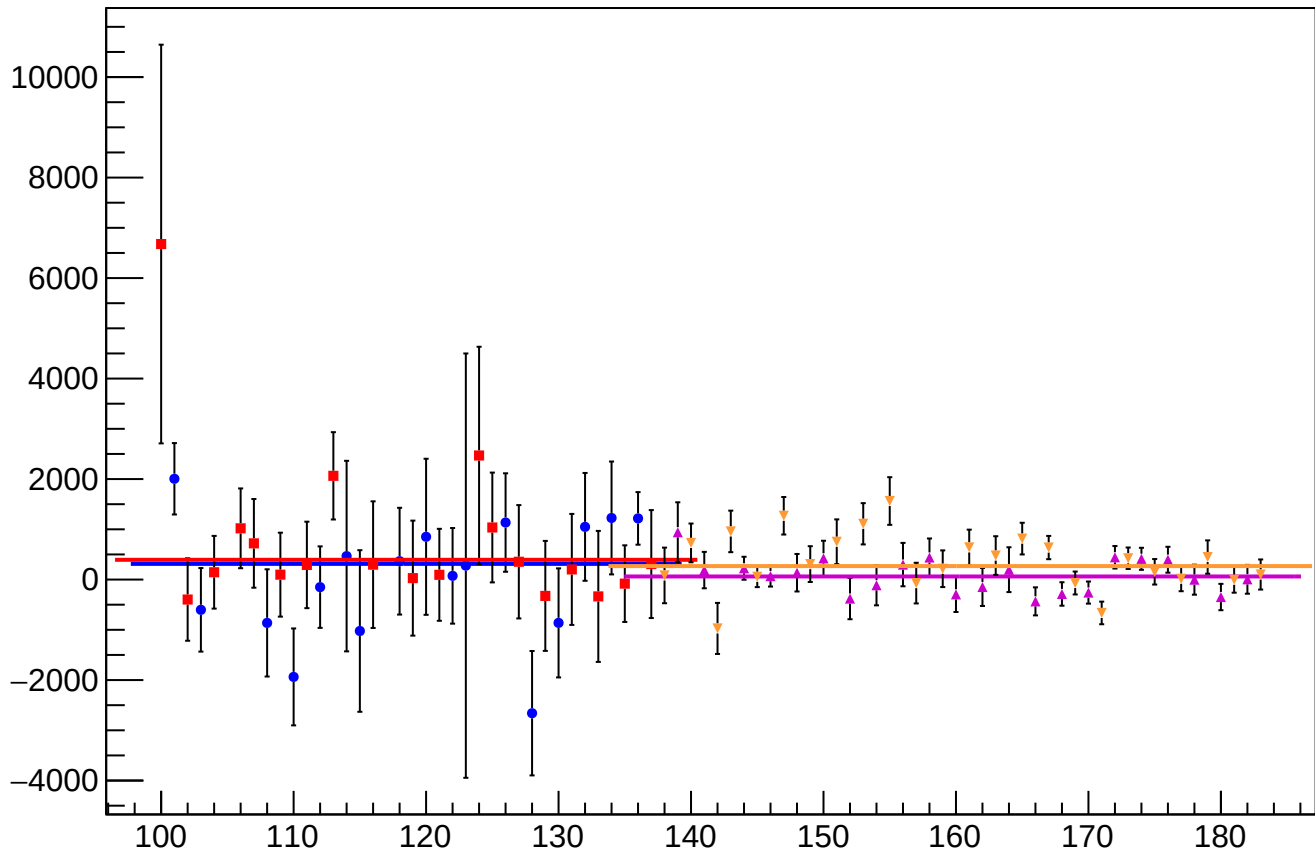
Left In: 241.766 $\pm$ 0.043 χ^2 /NDF: 2461608.5/21

+ sign 270.548 $\pm$ 0.042 χ^2 /NDF: 7086704.0/40

All: 267.860 $\pm$ 0.029 χ^2 /NDF: 14315166.0/83

- sign 265.193 $\pm$ 0.042 χ^2 /NDF: 7220177.5/40

asym_sam_37_dd_mean vs Slug



Right In: 312.362 ± 236.449 χ^2/NDF : 26.5/16

Left Out: 268.480 ± 62.163 χ^2/NDF : 61.9/23

Right Out: 393.265 ± 225.354 χ^2/NDF : 10.8/18

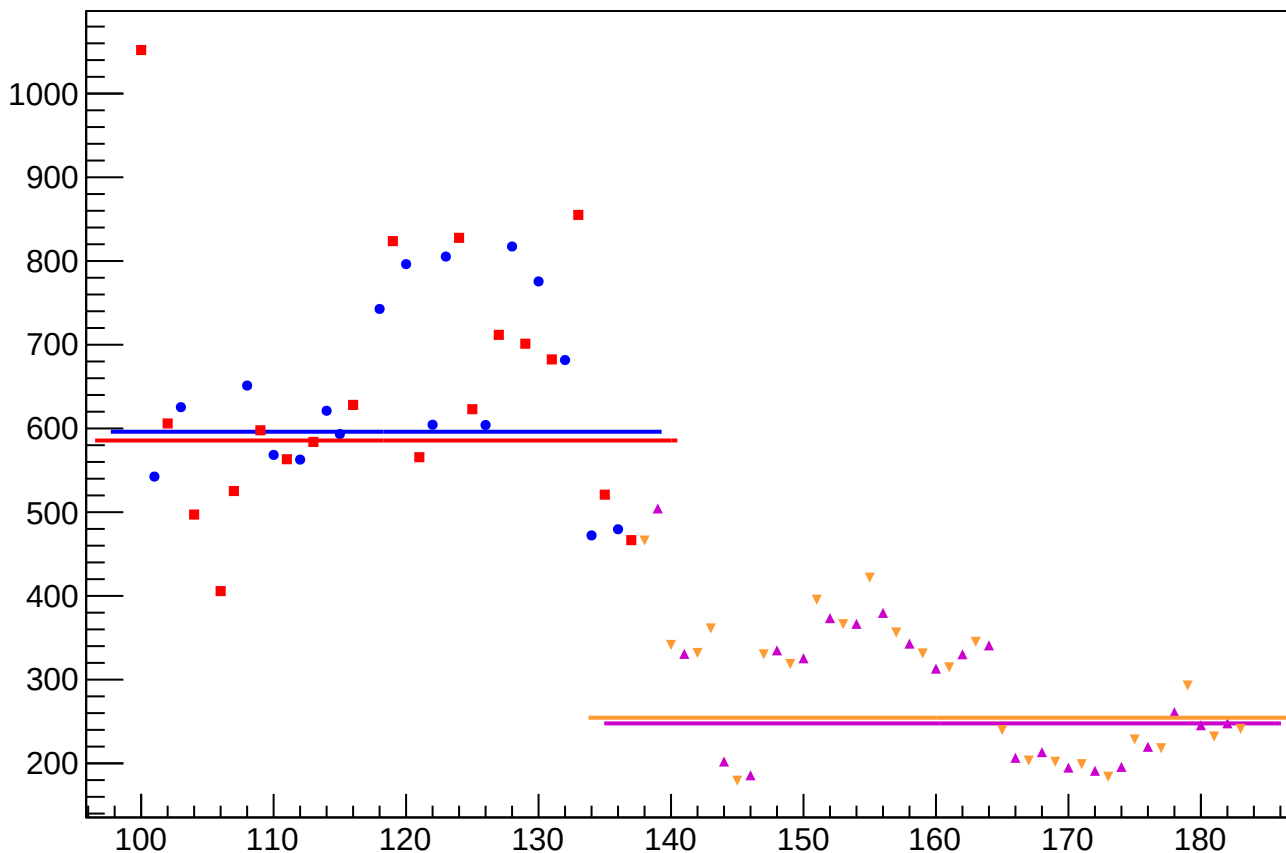
Left In: 61.569 ± 62.243 χ^2/NDF : 25.1/21

+ sign 271.317 ± 60.120 χ^2/NDF : 88.5/40

All: 178.008 ± 42.468 χ^2/NDF : 131.2/81

- sign 85.080 ± 59.997 χ^2/NDF : 37.9/40

asym_sam_37_dd_rms vs Slug



Right In: 596.086 $\pm$ 0.167 χ^2 /NDF: 355935.3/16

Left Out: 254.482 $\pm$ 0.044 χ^2 /NDF: 2626636.2/23

Right Out: 585.628 $\pm$ 0.159 χ^2 /NDF: 476874.8/18

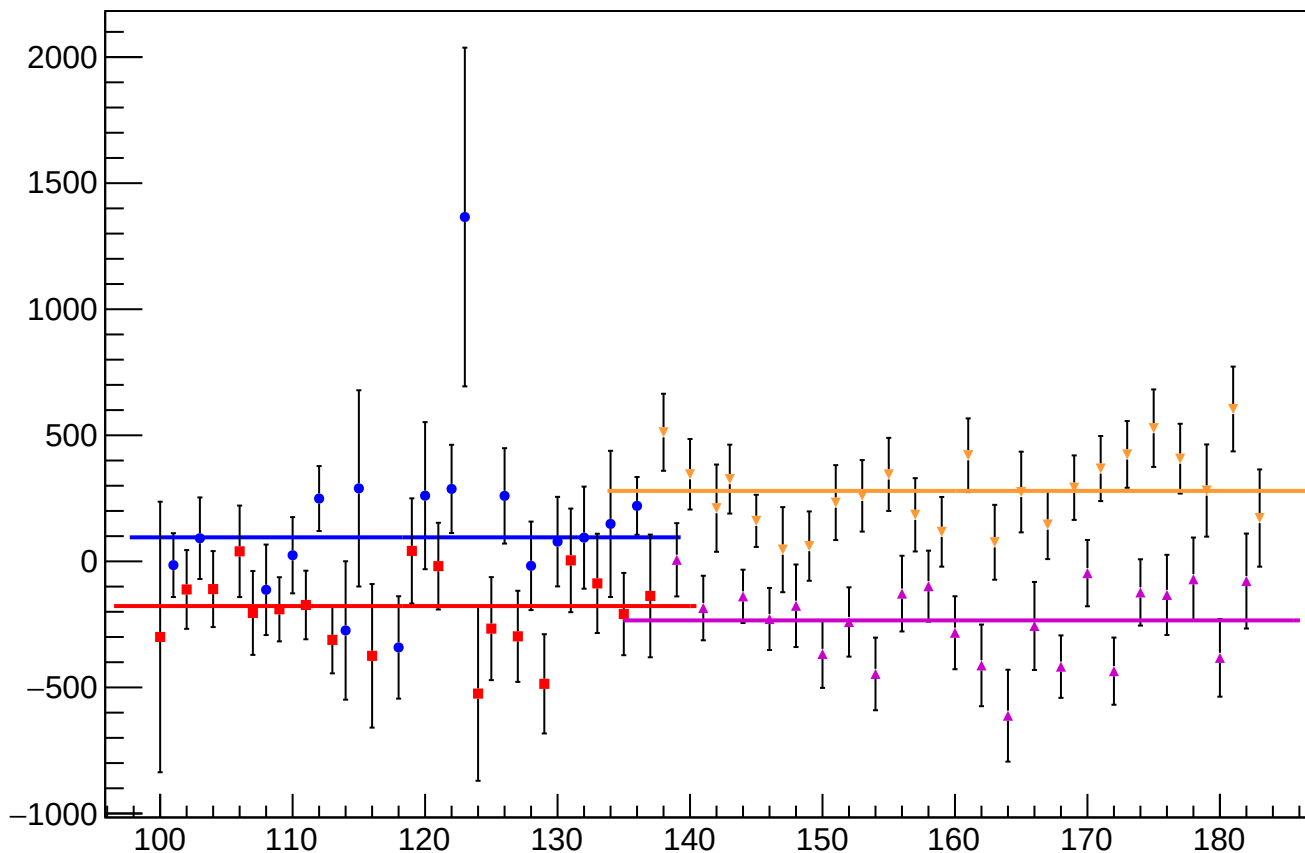
Left In: 247.722 $\pm$ 0.044 χ^2 /NDF: 2339105.3/21

+ sign 276.567 $\pm$ 0.043 χ^2 /NDF: 6887156.8/40

All: 274.115 $\pm$ 0.030 χ^2 /NDF: 13887738.9/83

- sign 271.673 $\pm$ 0.042 χ^2 /NDF: 6993942.7/40

reg_asym_sam_48_dd_mean vs Slug



Right In: 95.316 $\pm$ 43.397 χ^2 /NDF: 17.9/16

Left Out: 279.522 $\pm$ 29.434 χ^2 /NDF: 23.7/23

Right Out: -177.269 $\pm$ 41.181 χ^2 /NDF: 10.5/18

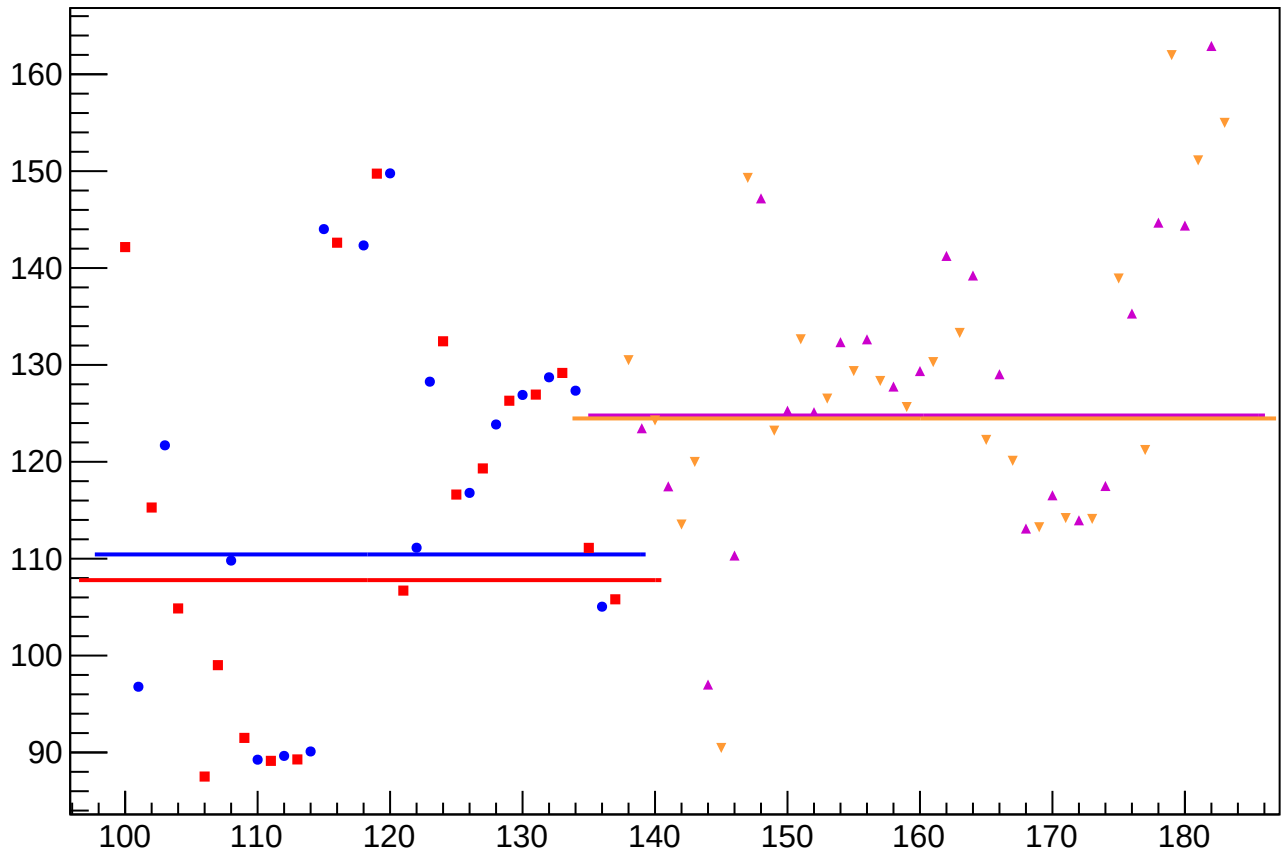
Left In: -234.125 $\pm$ 30.362 χ^2 /NDF: 24.3/21

+ sign 221.483 $\pm$ 24.359 χ^2 /NDF: 53.9/40

All: 4.394 $\pm$ 17.252 χ^2 /NDF: 249.3/81

- sign -214.103 $\pm$ 24.438 χ^2 /NDF: 36.0/40

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.439 $\pm$ 0.031 χ^2 /NDF: 296029.7/16

Left Out: 124.474 $\pm$ 0.021 χ^2 /NDF: 539402.5/23

Right Out: 107.787 $\pm$ 0.029 χ^2 /NDF: 346139.4/18

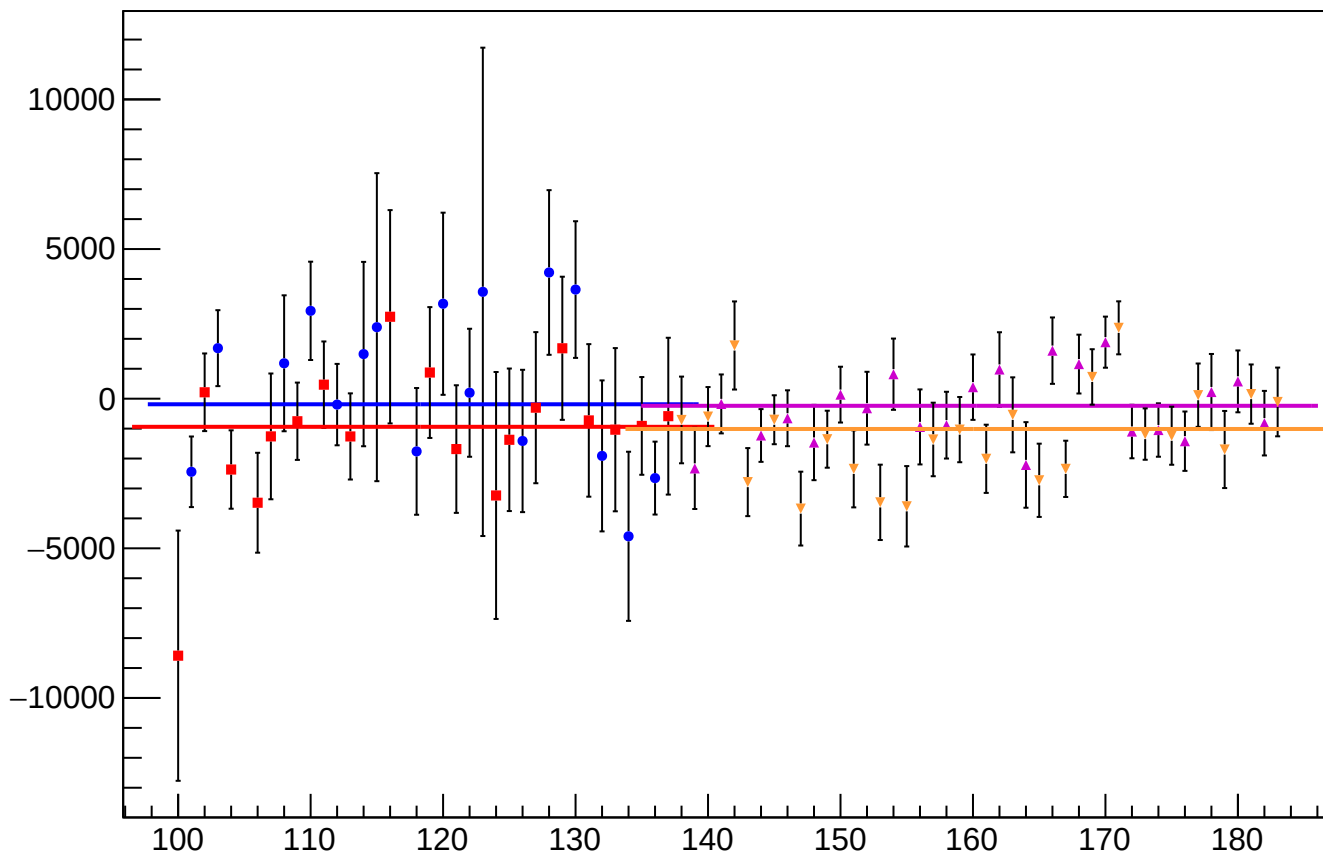
Left In: 124.779 $\pm$ 0.021 χ^2 /NDF: 455469.4/21

+ sign 120.052 $\pm$ 0.017 χ^2 /NDF: 978704.1/40

All: 119.425 $\pm$ 0.012 χ^2 /NDF: 2003552.7/81

- sign 118.795 $\pm$ 0.017 χ^2 /NDF: 1022194.1/40

asym_sam_48_dd_correction_mean vs Slug



Right In: -186.780 ± 465.749 χ^2/NDF : 25.0/16

Left Out: -1012.135 ± 220.184 χ^2/NDF : 46.3/23

Right Out: -939.774 ± 435.810 χ^2/NDF : 12.2/18

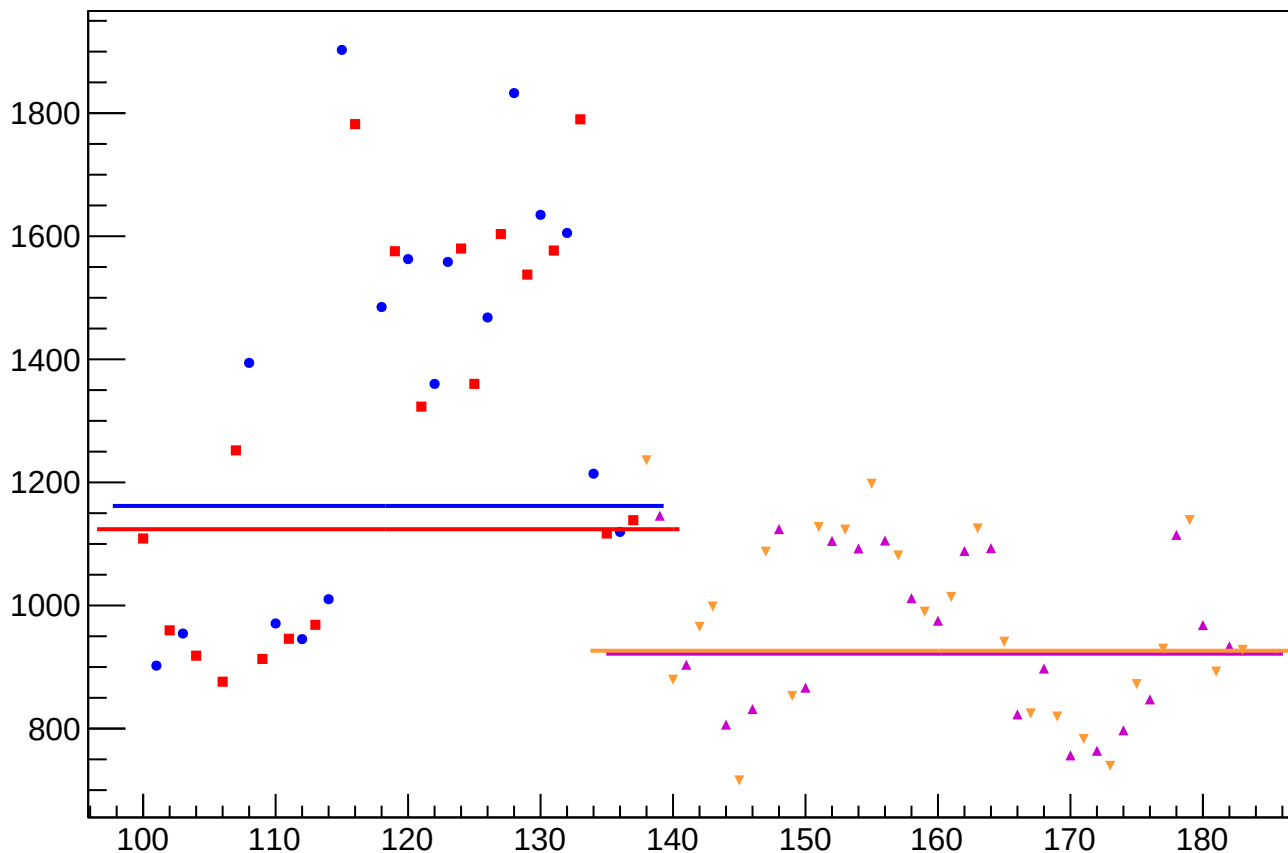
Left In: -237.707 ± 225.049 χ^2/NDF : 24.8/21

+ sign -861.369 ± 199.060 χ^2/NDF : 73.9/40

All: -624.514 ± 141.075 χ^2/NDF : 115.8/81

- sign -385.509 ± 199.962 χ^2/NDF : 39.0/40

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.775 $\pm$ 0.329 χ^2 /NDF: 701230.3/16

Left Out: 926.522 $\pm$ 0.156 χ^2 /NDF: 824572.3/23

Right Out: 1123.975 $\pm$ 0.308 χ^2 /NDF: 769570.1/18

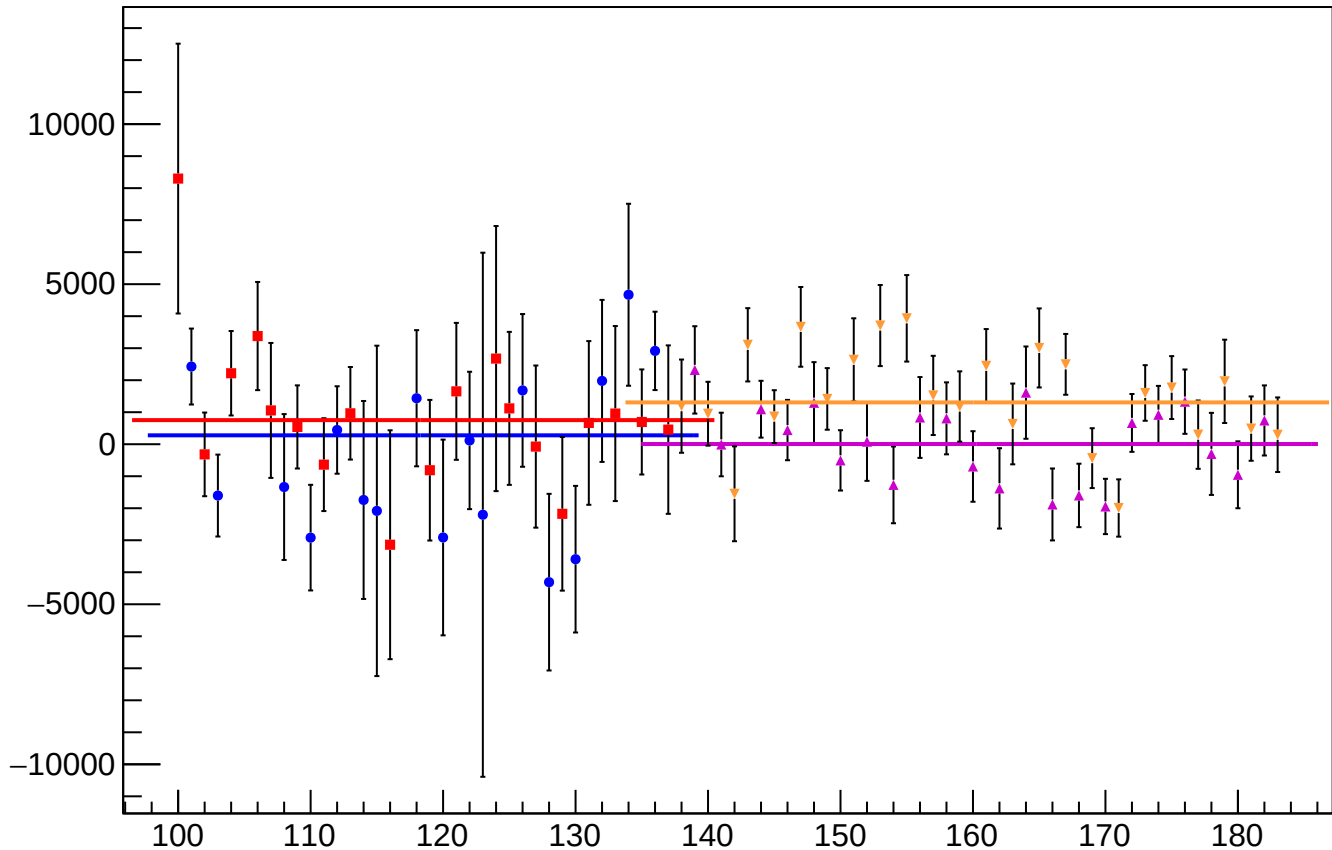
Left In: 921.683 $\pm$ 0.159 χ^2 /NDF: 633906.7/21

+ sign 969.495 $\pm$ 0.141 χ^2 /NDF: 1942858.4/40

All: 966.894 $\pm$ 0.100 χ^2 /NDF: 3687219.6/81

- sign 964.270 $\pm$ 0.141 χ^2 /NDF: 1743675.2/40

asym_sam_48_dd_mean vs Slug



Right In: 277.871 ± 468.037 χ^2/NDF : 25.3/16

Left Out: 1306.105 ± 222.306 χ^2/NDF : 43.4/23

Right Out: 752.527 ± 438.192 χ^2/NDF : 12.2/18

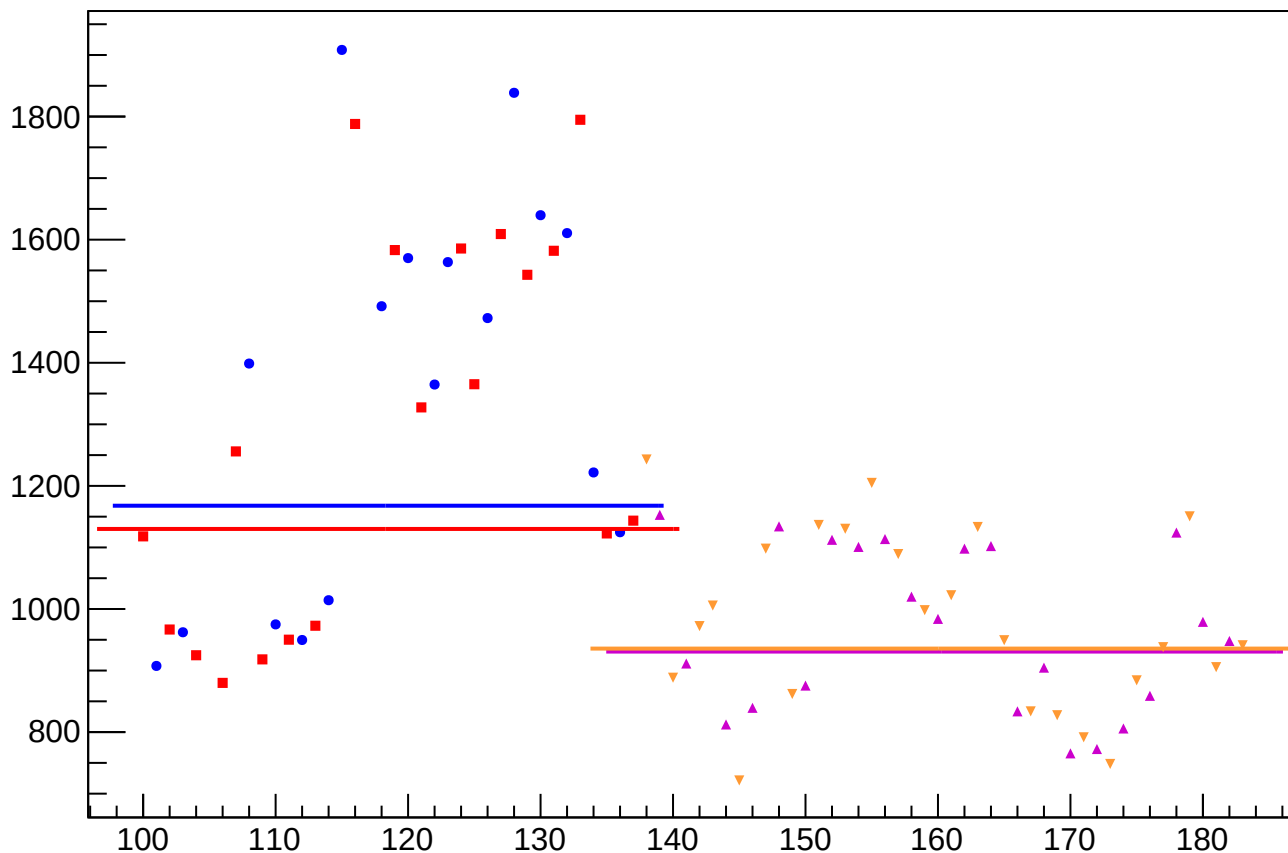
Left In: 5.946 ± 227.237 χ^2/NDF : 26.1/21

+ sign 1116.834 ± 200.806 χ^2/NDF : 72.6/40

All: 642.679 ± 142.315 χ^2/NDF : 124.4/81

- sign 164.169 ± 201.726 χ^2/NDF : 40.6/40

asym_sam_48_dd_rms vs Slug



Right In: 1167.786 $\pm$ 0.331 χ^2 /NDF: 695715.2/16

Left Out: 935.679 $\pm$ 0.157 χ^2 /NDF: 812116.0/23

Right Out: 1130.045 $\pm$ 0.310 χ^2 /NDF: 763293.9/18

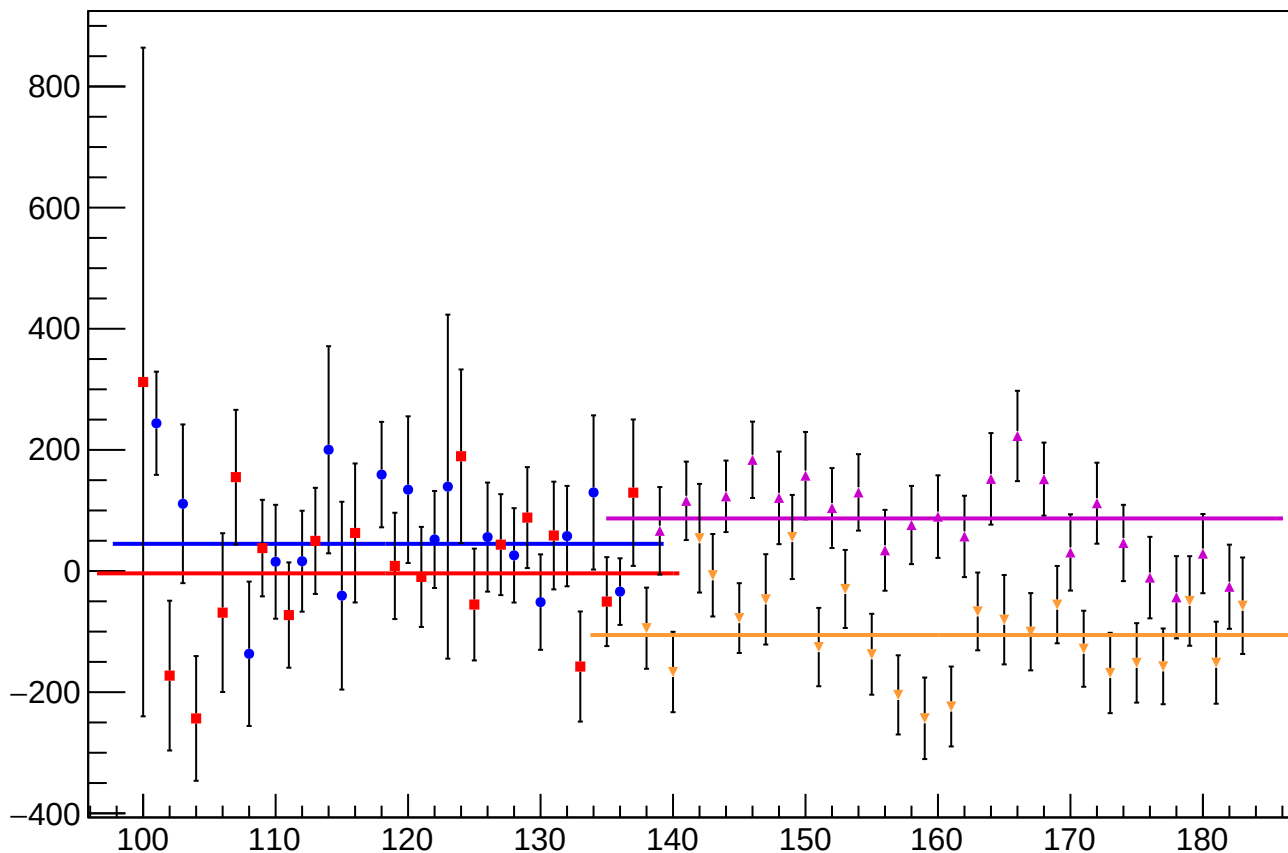
Left In: 930.835 $\pm$ 0.161 χ^2 /NDF: 623342.0/21

+ sign 978.404 $\pm$ 0.142 χ^2 /NDF: 1909157.2/40

All: 975.741 $\pm$ 0.101 χ^2 /NDF: 3622253.2/81

- sign 973.054 $\pm$ 0.143 χ^2 /NDF: 1712389.3/40

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 44.919 ± 22.614 χ^2/NDF : 15.9/16

Left Out: -105.653 ± 13.720 χ^2/NDF : 28.5/23

Right Out: -3.849 ± 22.193 χ^2/NDF : 20.2/18

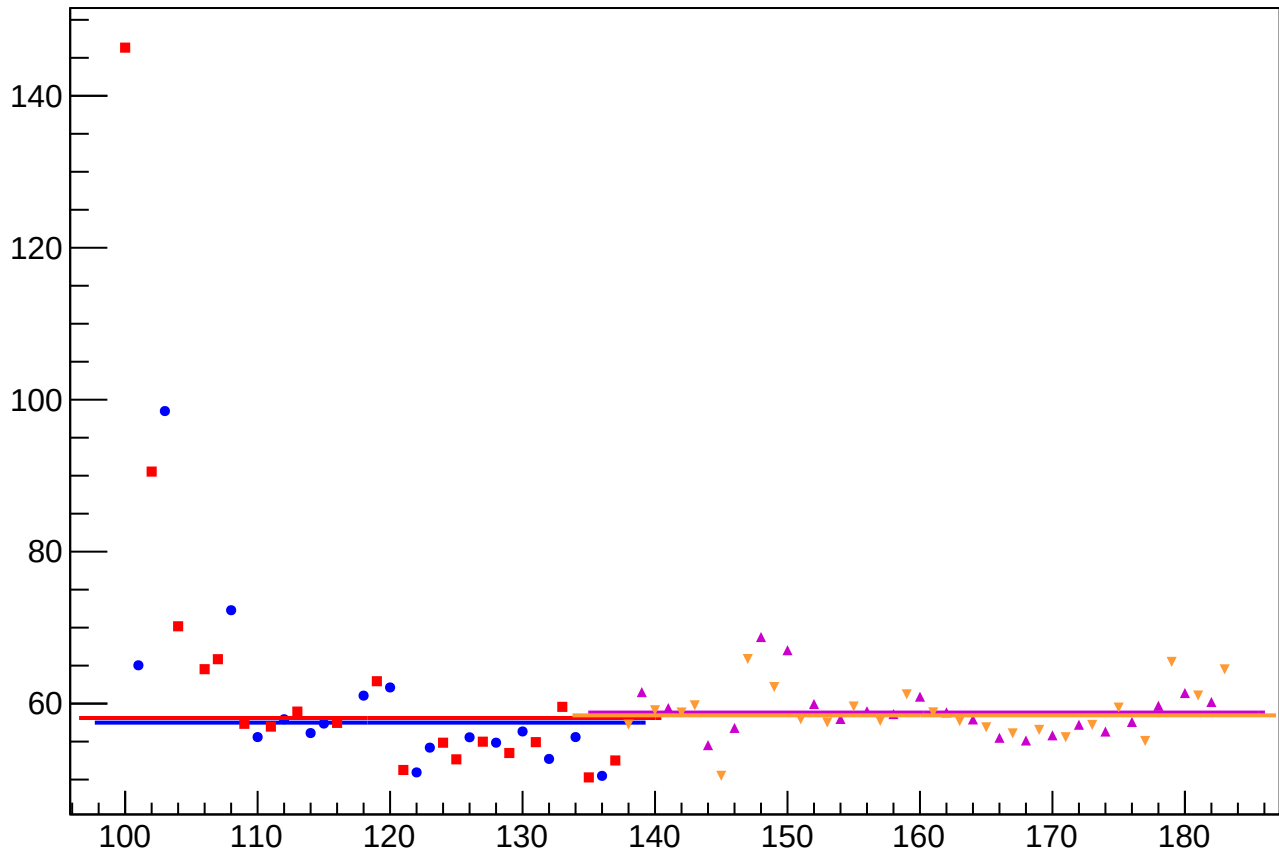
Left In: 86.824 ± 14.214 χ^2/NDF : 21.3/21

+ sign -65.141 ± 11.730 χ^2/NDF : 76.8/40

All: -3.613 ± 8.378 χ^2/NDF : 186.3/81

- sign 60.450 ± 11.969 χ^2/NDF : 53.4/40

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.495 $\pm$ 0.016 χ^2 /NDF: 306695.7/16

Left Out: 58.452 $\pm$ 0.010 χ^2 /NDF: 119784.7/23

Right Out: 58.105 $\pm$ 0.016 χ^2 /NDF: 298191.3/18

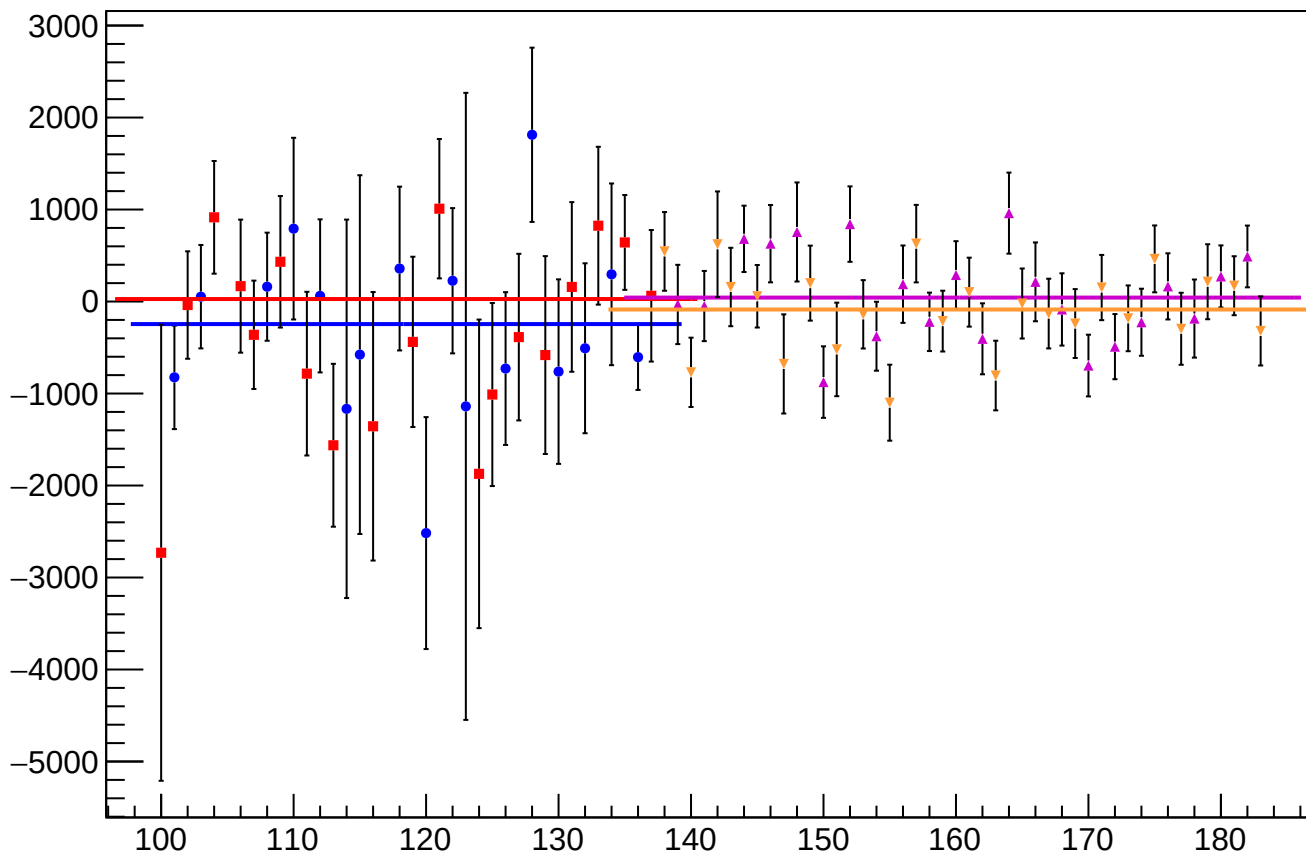
Left In: 58.821 $\pm$ 0.010 χ^2 /NDF: 103550.8/21

+ sign 58.195 $\pm$ 0.008 χ^2 /NDF: 429100.4/40

All: 58.400 $\pm$ 0.006 χ^2 /NDF: 833564.3/81

- sign 58.613 $\pm$ 0.008 χ^2 /NDF: 403220.1/40

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -245.129+/-184.410 χ^2 /NDF: 14.1/16

Left Out: -86.830+/-79.364 χ^2 /NDF: 27.7/23

Right Out: 27.129+/-182.149 χ^2 /NDF: 16.2/18

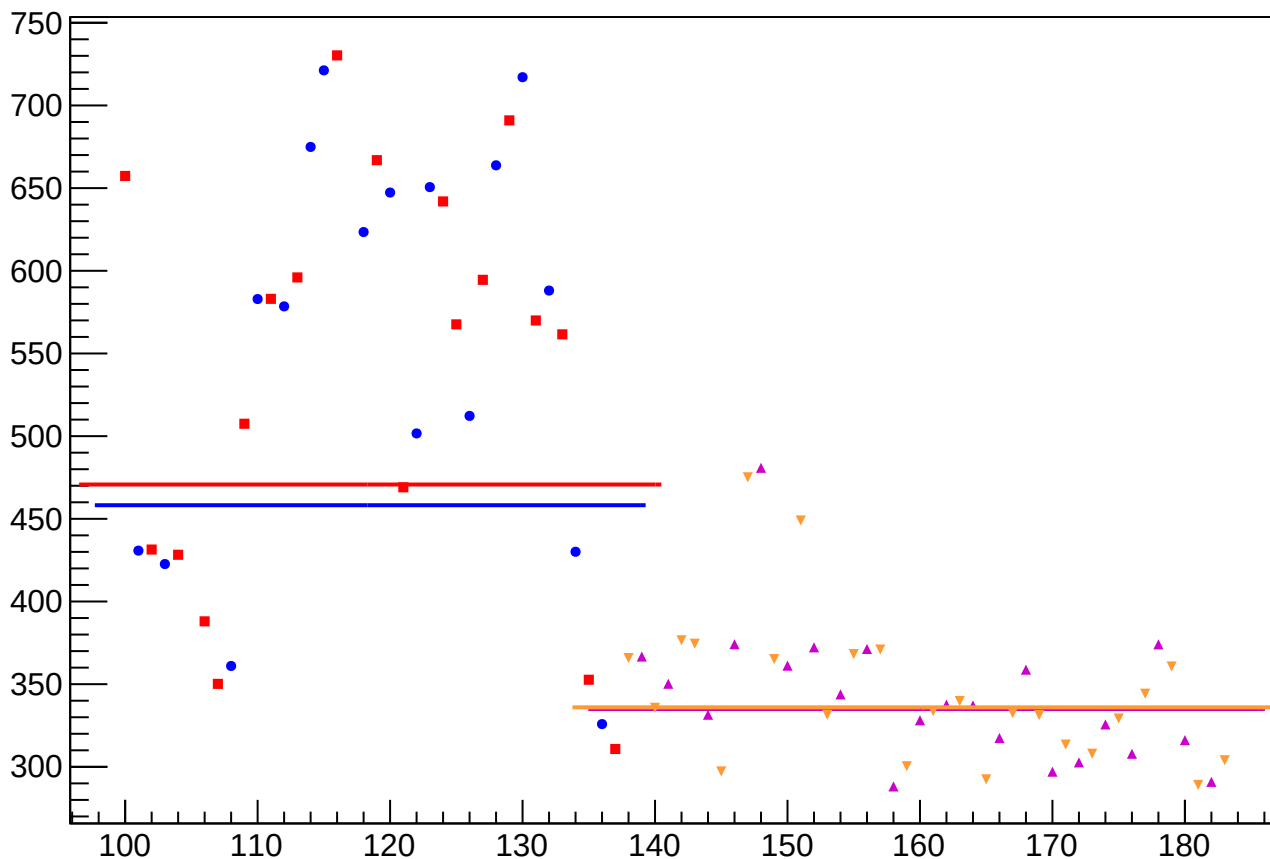
Left In: 42.894+/-81.413 χ^2 /NDF: 35.1/21

+ sign -111.568+/-72.899 χ^2 /NDF: 42.5/40

All: -37.121+/-52.045 χ^2 /NDF: 96.0/81

- sign 40.269+/-74.327 χ^2 /NDF: 51.3/40

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.231 $\pm$ 0.130 χ^2 /NDF: 879276.8/16

Left Out: 335.987 $\pm$ 0.056 χ^2 /NDF: 467326.0/23

Right Out: 470.751 $\pm$ 0.129 χ^2 /NDF: 781964.3/18

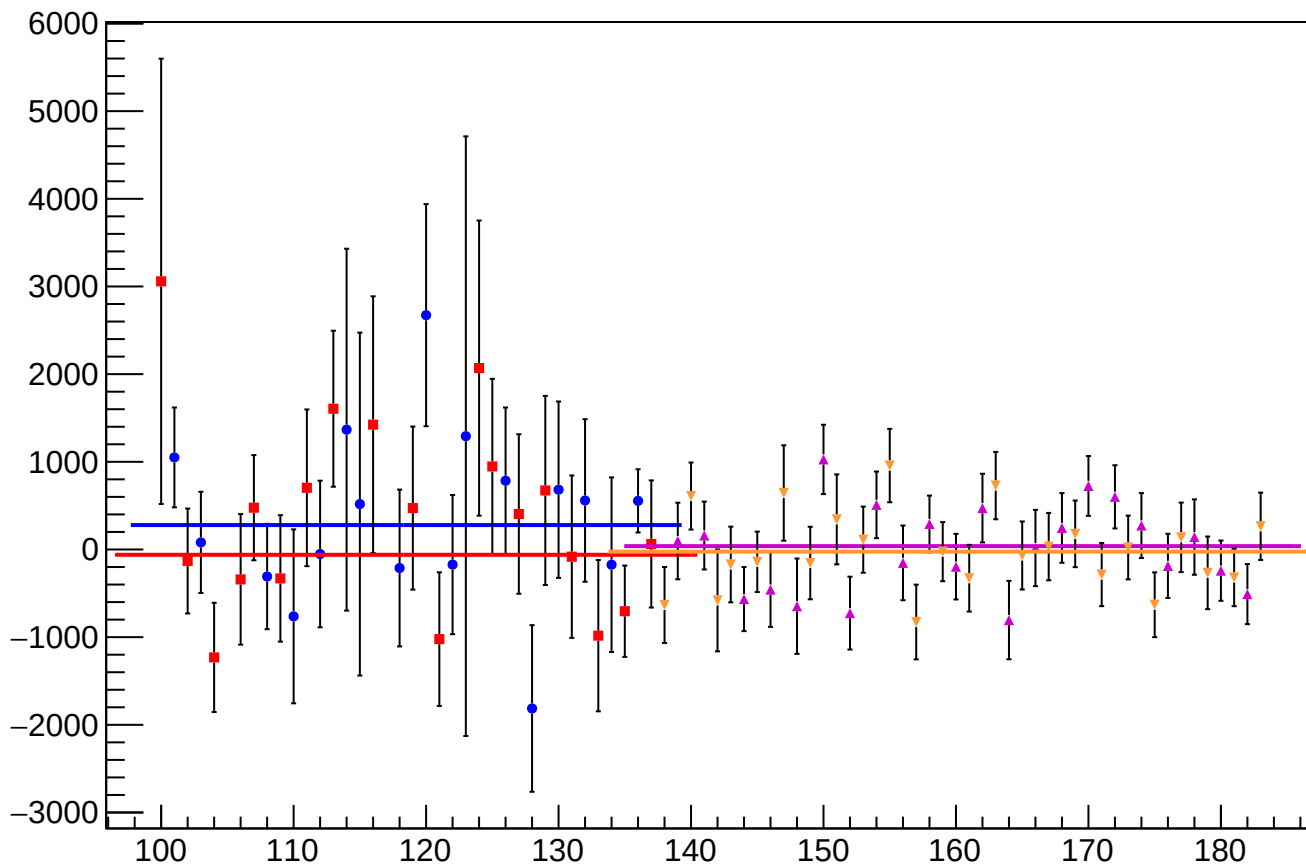
Left In: 334.969 $\pm$ 0.058 χ^2 /NDF: 387558.7/21

+ sign 355.090 $\pm$ 0.052 χ^2 /NDF: 2088120.1/40

All: 356.310 $\pm$ 0.037 χ^2 /NDF: 4185111.1/81

- sign 357.577 $\pm$ 0.053 χ^2 /NDF: 2095849.5/40

asym_sam_13_57_dd_mean vs Slug



Right In: 278.553 ± 186.587 χ^2/NDF : 15.0/16

Left Out: -24.523 ± 80.615 χ^2/NDF : 27.1/23

Right Out: -60.303 ± 184.397 χ^2/NDF : 19.4/18

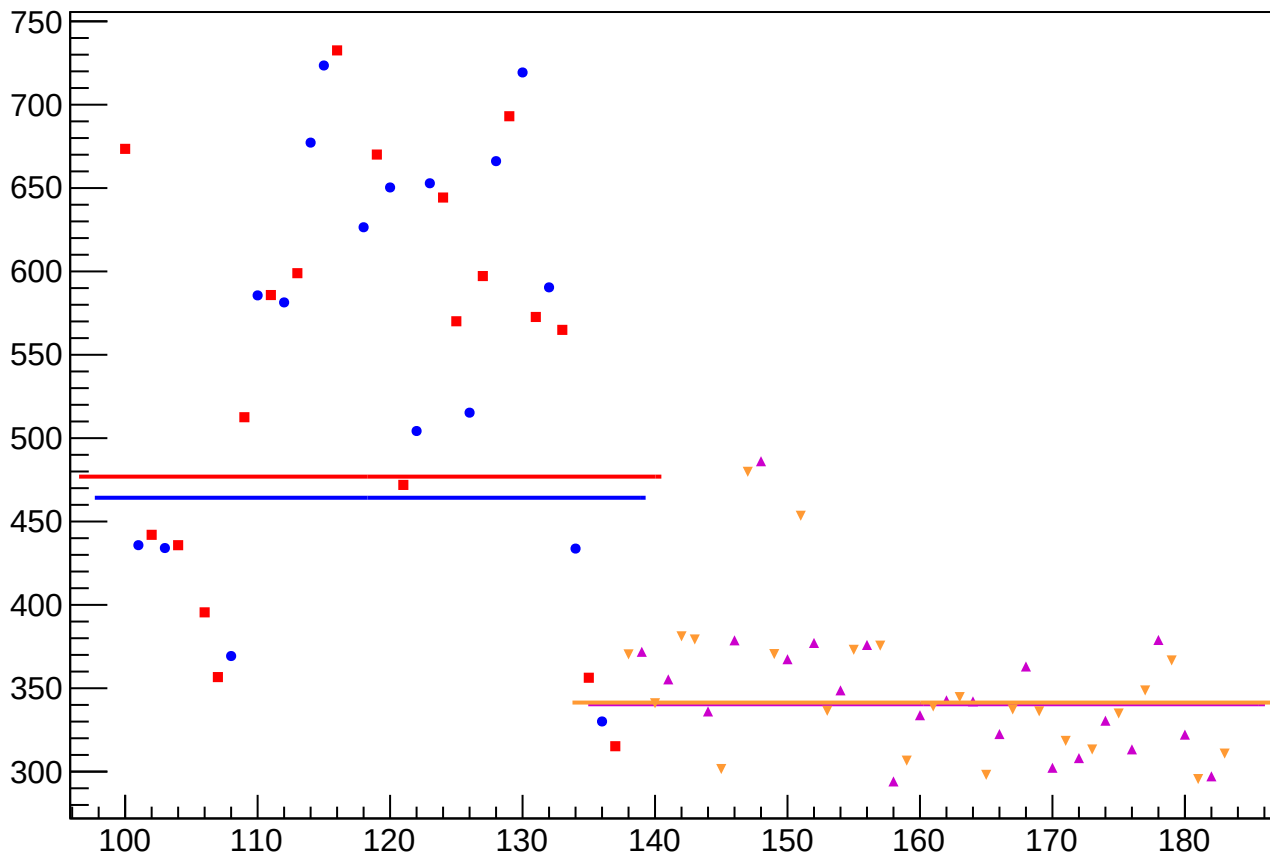
Left In: 38.141 ± 82.704 χ^2/NDF : 33.8/21

+ sign 23.152 ± 74.003 χ^2/NDF : 44.3/40

All: 22.418 ± 52.836 χ^2/NDF : 97.7/81

- sign 21.655 ± 75.461 χ^2/NDF : 53.4/40

asym_sam_13_57_dd_rms vs Slug



Right In: 464.257 $\pm$ 0.132 χ^2 /NDF: 847933.8/16

Left Out: 341.412 $\pm$ 0.057 χ^2 /NDF: 447460.2/23

Right Out: 476.925 $\pm$ 0.130 χ^2 /NDF: 752685.6/18

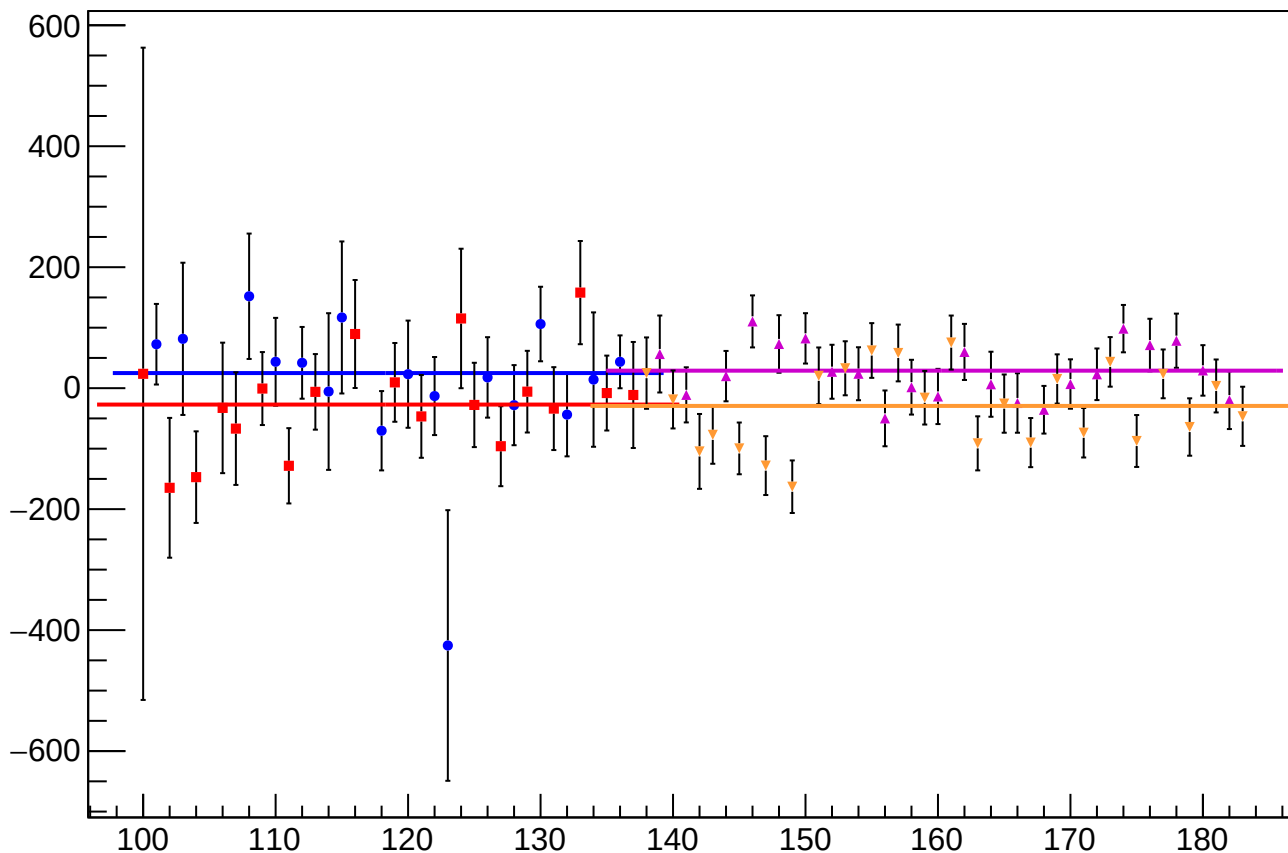
Left In: 340.390 $\pm$ 0.058 χ^2 /NDF: 371492.1/21

+ sign 360.736 $\pm$ 0.052 χ^2 /NDF: 2025950.0/40

All: 361.971 $\pm$ 0.037 χ^2 /NDF: 4064137.0/81

- sign 363.256 $\pm$ 0.053 χ^2 /NDF: 2037050.2/40

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.974 ± 17.871 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -29.337 ± 9.242 $\chi^2/\text{NDF}: 50.3/23$

Right Out: -27.097 ± 17.436 $\chi^2/\text{NDF}: 16.7/18$

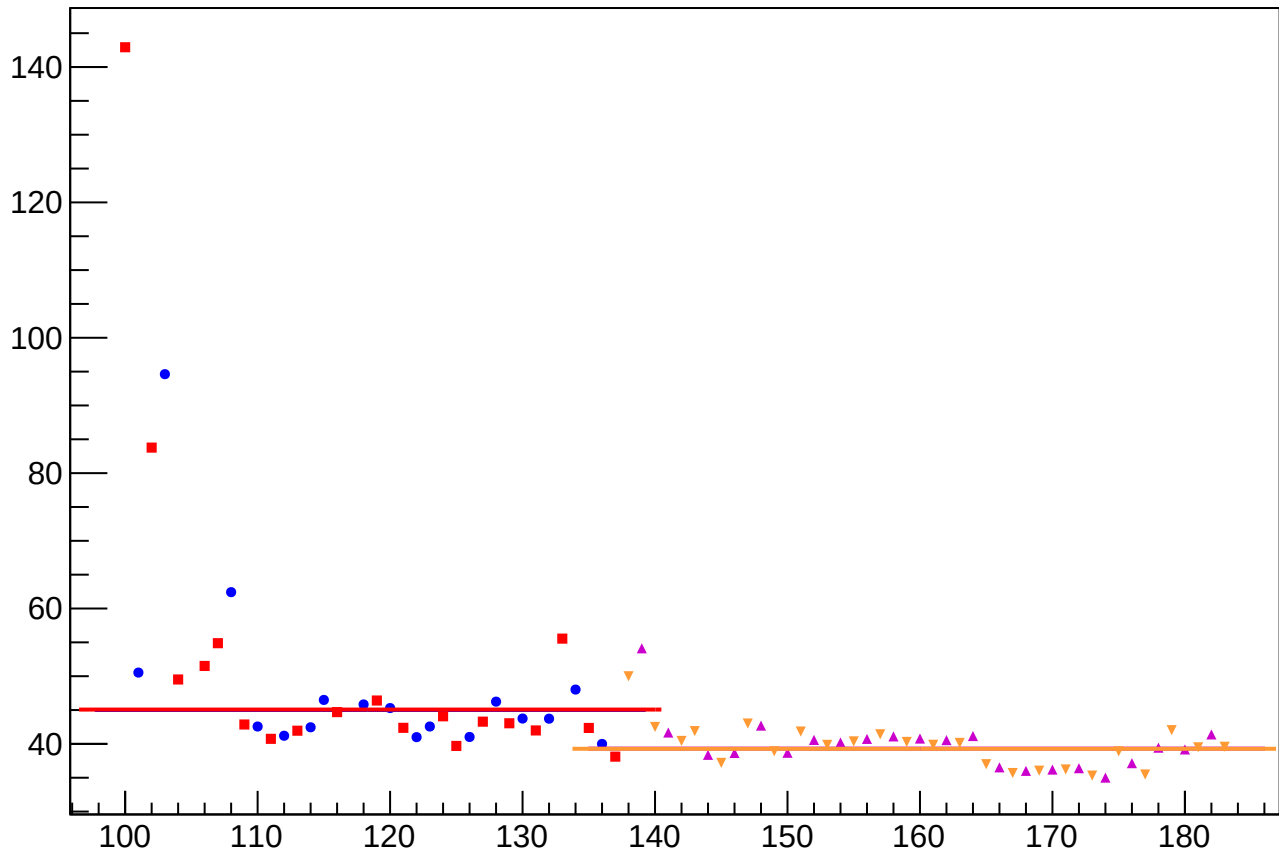
Left In: 28.944 ± 9.518 $\chi^2/\text{NDF}: 22.4/21$

+ sign -17.877 ± 8.209 $\chi^2/\text{NDF}: 70.7/40$

All: -1.198 ± 5.856 $\chi^2/\text{NDF}: 126.2/81$

- sign 16.078 ± 8.355 $\chi^2/\text{NDF}: 47.1/40$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.010 $\pm$ 0.013 χ^2 /NDF: 438252.0/16

Left Out: 39.277 $\pm$ 0.007 χ^2 /NDF:199335.5/23

Right Out: 45.070 $\pm$ 0.012 χ^2 /NDF: 413668.1/18

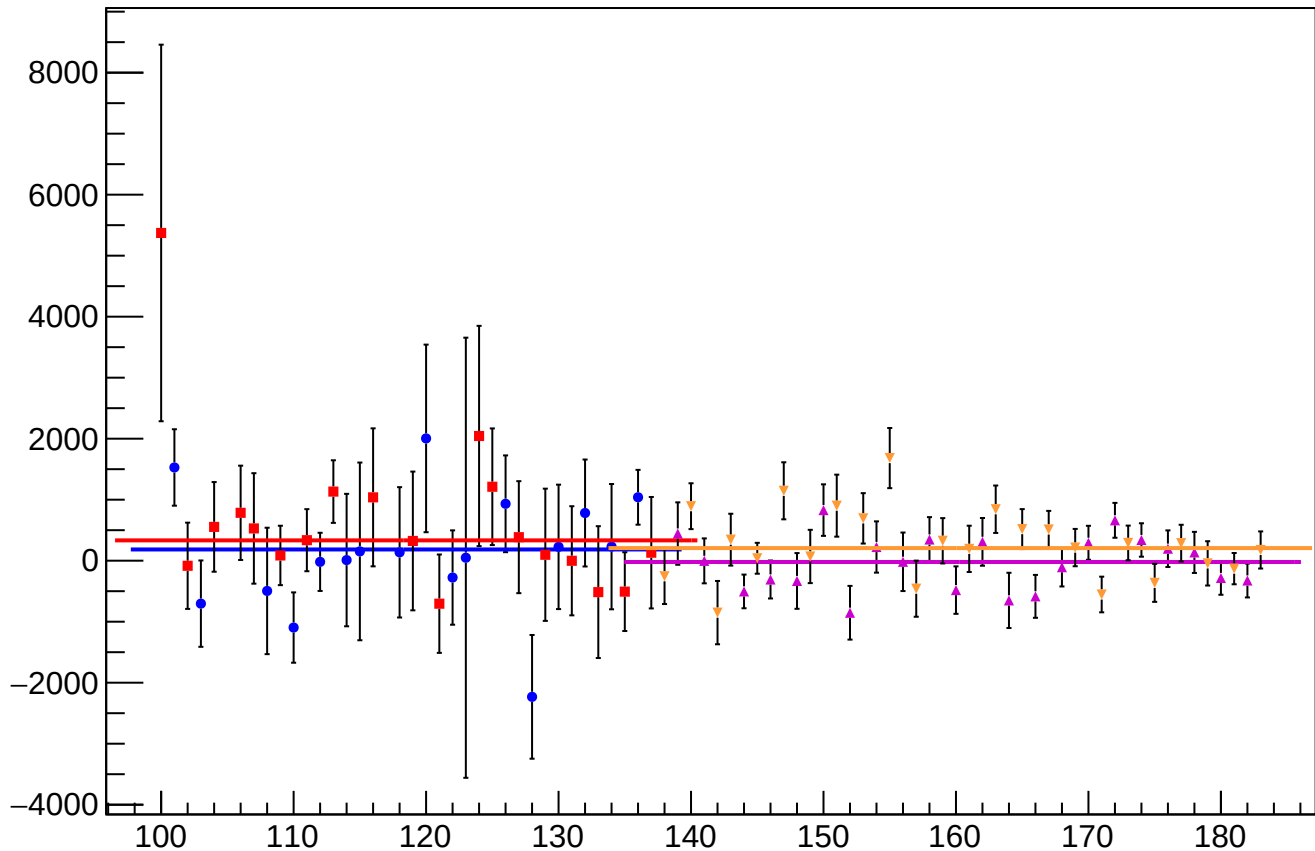
Left In: 39.299 $\pm$ 0.007 χ^2 /NDF:213297.5/21

+ sign 40.486 $\pm$ 0.006 χ^2 /NDF: 799962.6/40

All: 40.554 $\pm$ 0.004 χ^2 /NDF: 1596013.7/81

- sign 40.624 $\pm$ 0.006 χ^2 /NDF: 795775.5/40

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.085 ± 189.043 χ^2/NDF : 24.2/16

Left Out: 206.596 ± 71.475 χ^2/NDF : 44.7/23

Right Out: 333.044 ± 179.692 χ^2/NDF : 12.5/18

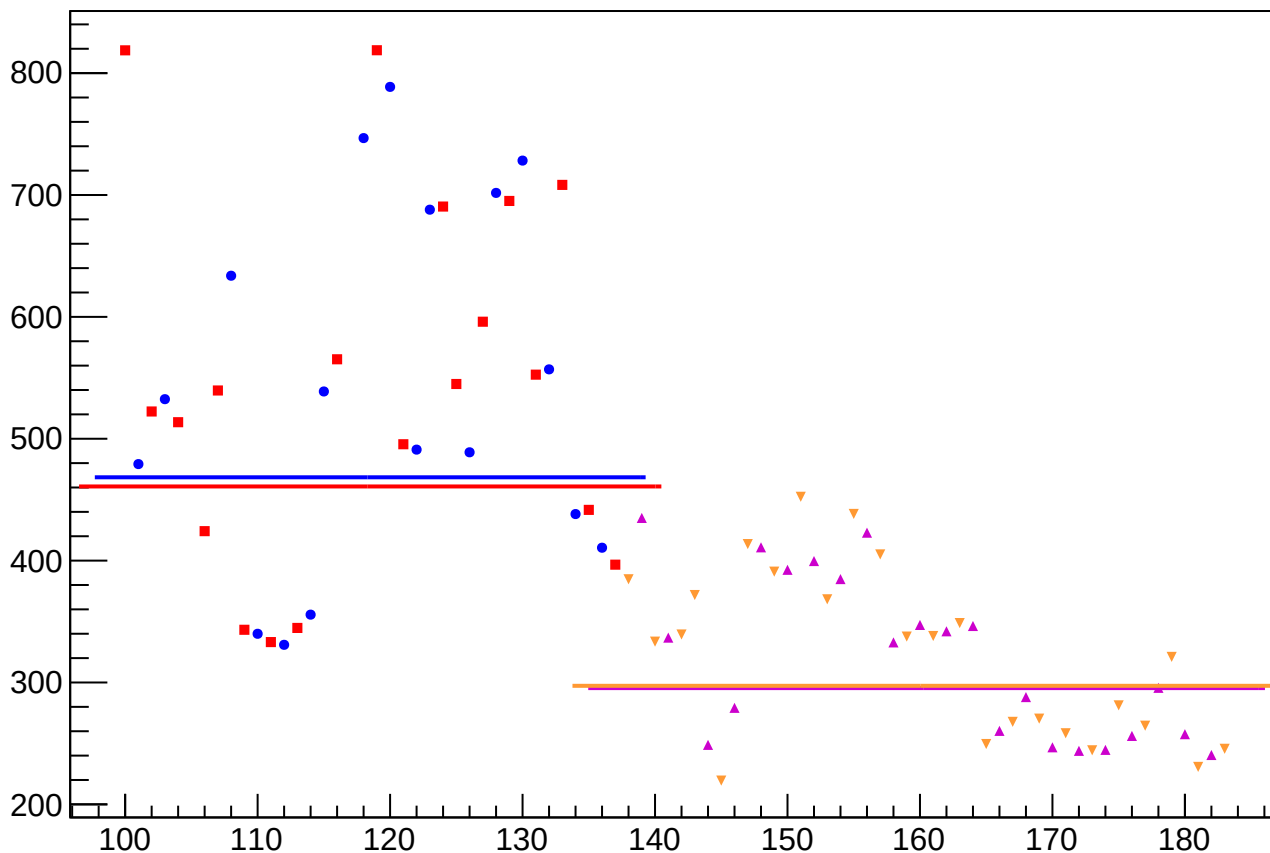
Left In: -21.245 ± 72.880 χ^2/NDF : 32.4/21

+ sign 203.780 ± 66.856 χ^2/NDF : 68.9/40

All: 117.177 ± 47.513 χ^2/NDF : 120.6/81

- sign 28.802 ± 67.536 χ^2/NDF : 48.3/40

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.371 $\pm$ 0.134 χ^2 /NDF: 883769.0/16

Left Out: 297.275 $\pm$ 0.051 χ^2 /NDF:1583775.9/23

Right Out: 460.849 $\pm$ 0.127 χ^2 /NDF: 958126.5/18

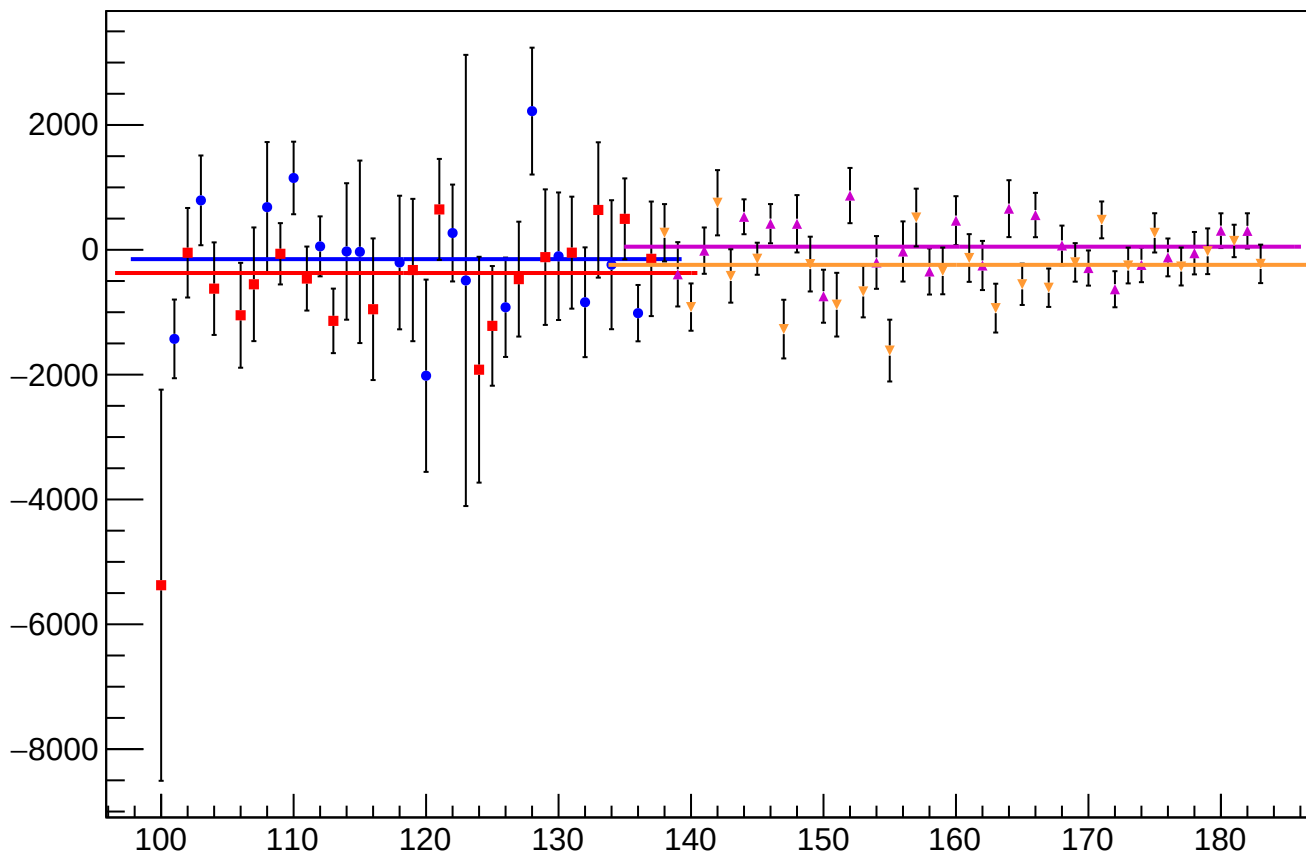
Left In: 295.392 $\pm$ 0.052 χ^2 /NDF:1289373.5/21

+ sign 318.674 $\pm$ 0.047 χ^2 /NDF: 3900932.4/40

All: 318.719 $\pm$ 0.034 χ^2 /NDF: 7604577.5/81

- sign 318.764 $\pm$ 0.048 χ^2 /NDF: 3703643.3/40

asym_sam_15_37_dd_mean vs Slug



Right In: -149.502 ± 190.216 χ^2/NDF : 24.1/16

Left Out: -241.016 ± 72.147 χ^2/NDF : 42.9/23

Right Out: -371.735 ± 181.576 χ^2/NDF : 12.5/18

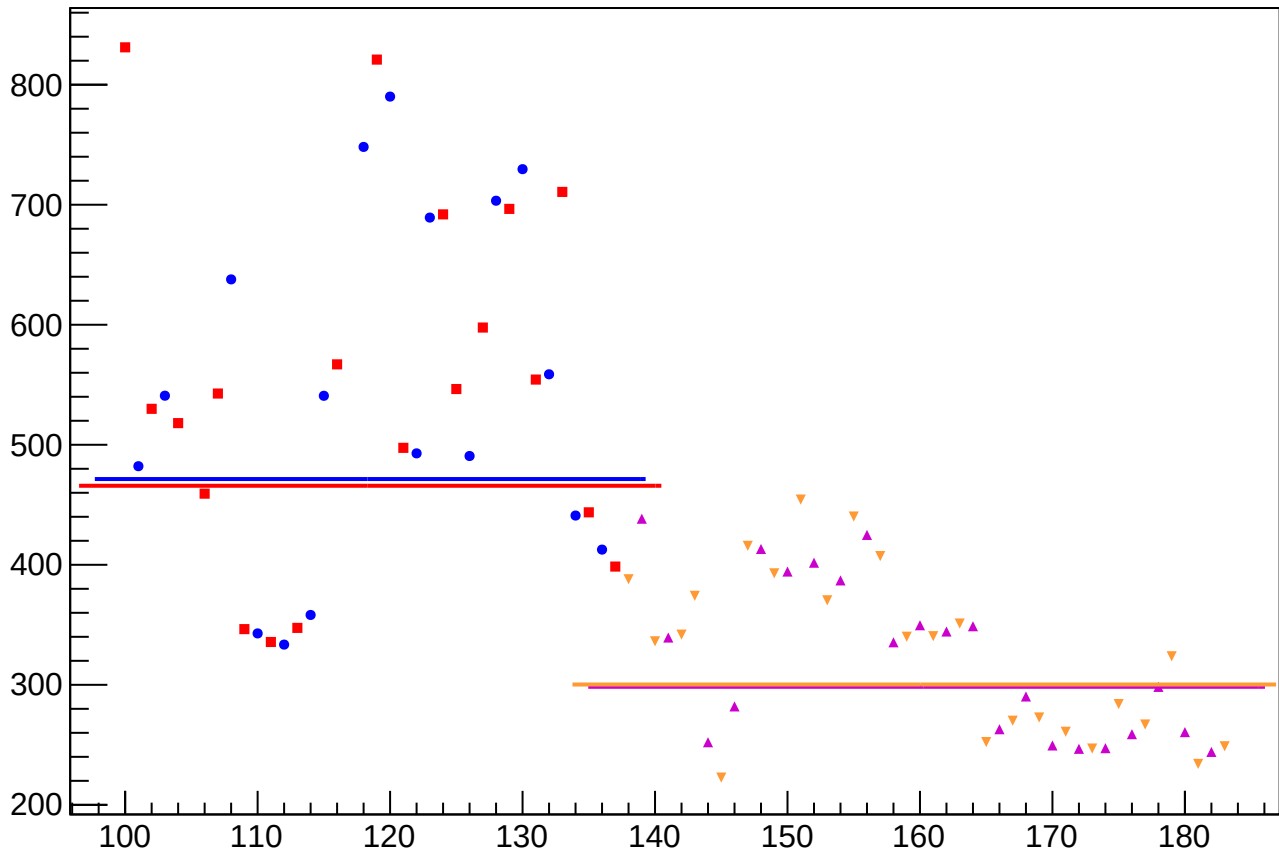
Left In: 49.878 ± 73.571 χ^2/NDF : 29.9/21

+ sign -229.507 ± 67.457 χ^2/NDF : 67.3/40

All: -120.723 ± 47.955 χ^2/NDF : 119.5/81

- sign -9.577 ± 68.186 χ^2/NDF : 47.0/40

asym_sam_15_37_dd_rms vs Slug



Right In: 471.454 $\pm$ 0.135 χ^2 /NDF: 875217.0/16

Left Out: 300.255 $\pm$ 0.051 χ^2 /NDF:1544597.5/23

Right Out: 465.856 $\pm$ 0.128 χ^2 /NDF: 943653.4/18

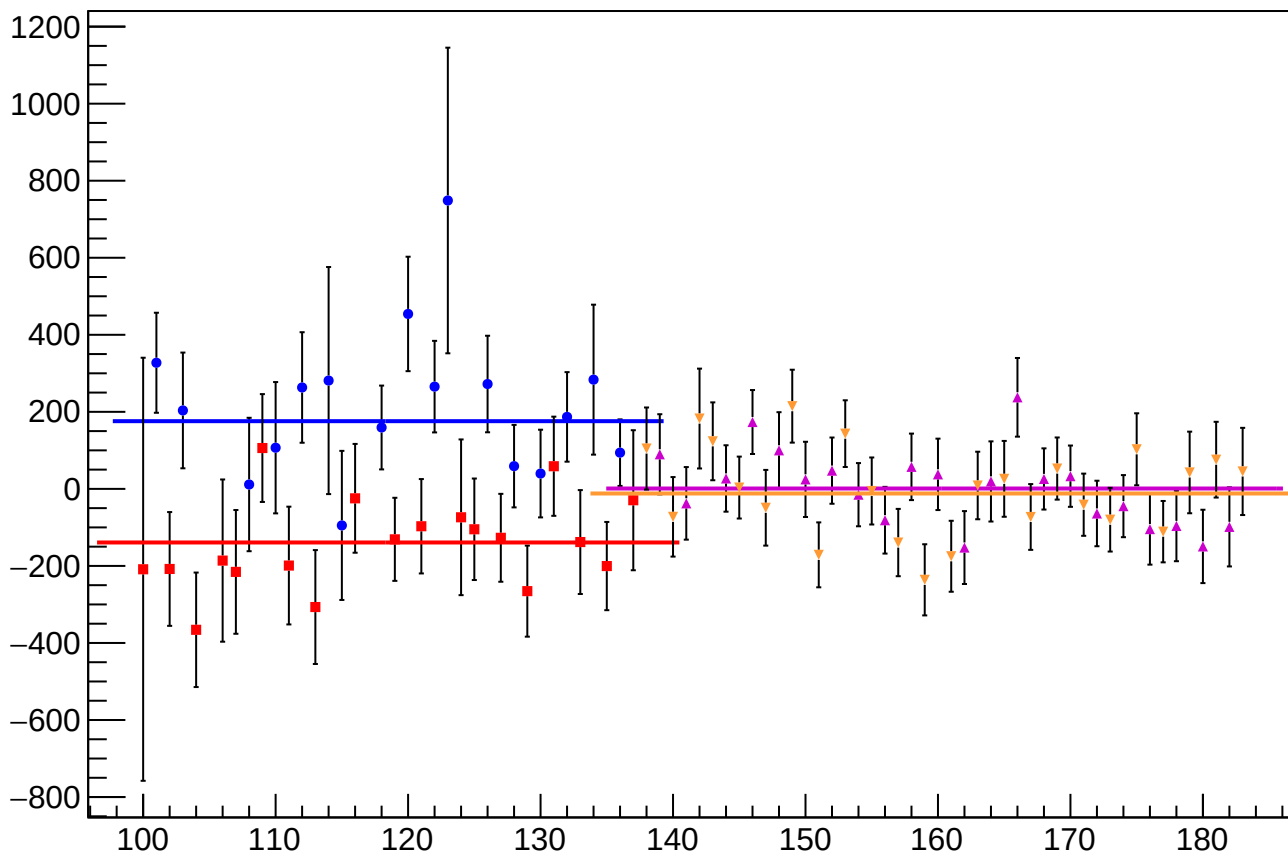
Left In: 298.356 $\pm$ 0.052 χ^2 /NDF:1258764.3/21

+ sign 321.786 $\pm$ 0.048 χ^2 /NDF: 3836165.7/40

All: 321.880 $\pm$ 0.034 χ^2 /NDF: 7500517.7/81

- sign 321.977 $\pm$ 0.048 χ^2 /NDF: 3664344.1/40

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 175.771 $\pm$ 32.833 χ^2 /NDF: 15.5/16

Left Out: -11.965 $\pm$ 18.737 χ^2 /NDF:36.0/23

Right Out: -139.142 $\pm$ 32.437 χ^2 /NDF: 12.5/18

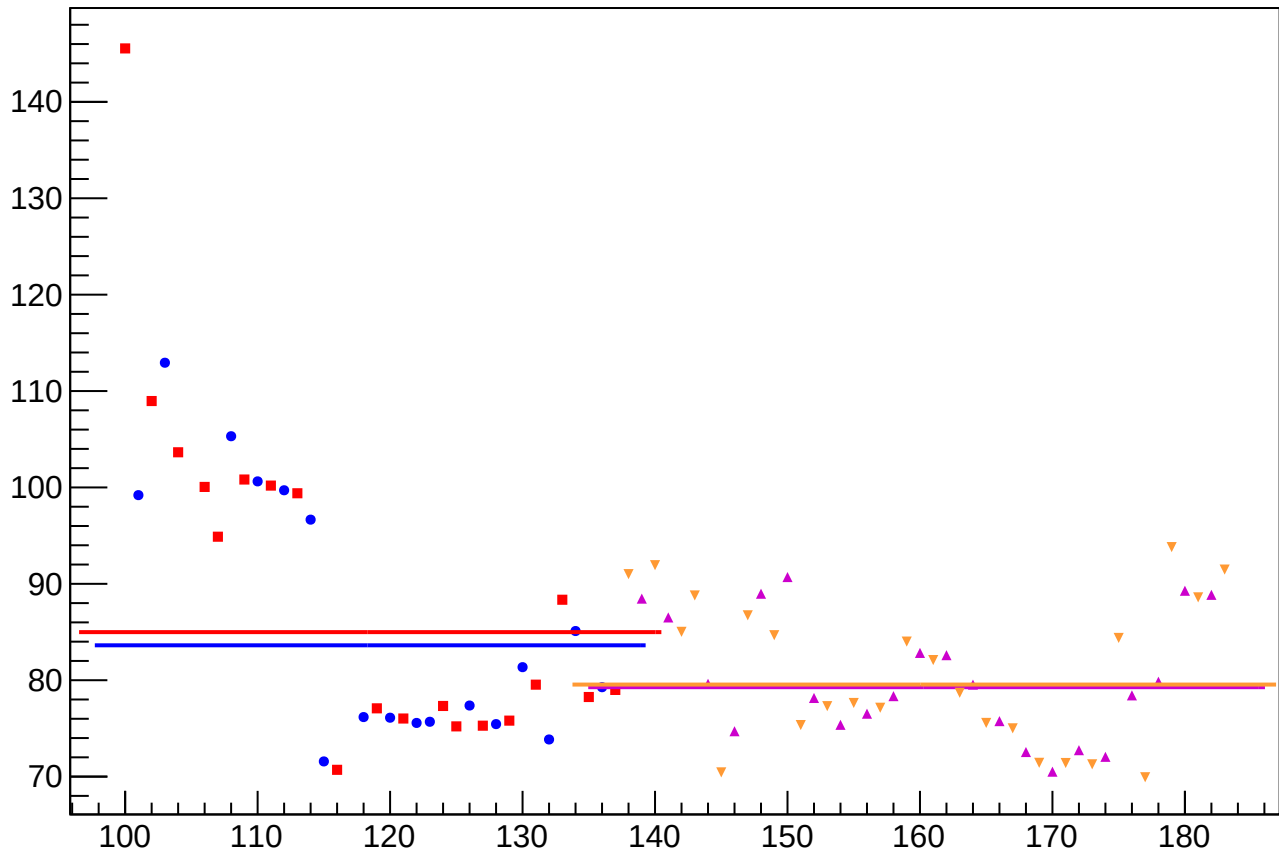
Left In: 0.949 $\pm$ 19.209 χ^2 /NDF:23.2/21

+ sign 34.153 $\pm$ 16.273 χ^2 /NDF: 76.2/40

All: -0.094 $\pm$ 11.596 χ^2 /NDF: 134.7/81

- sign -35.423 $\pm$ 16.528 χ^2 /NDF: 49.5/40

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.622 $\pm$ 0.023 χ^2 /NDF: 254251.0/16

Left Out: 79.549 $\pm$ 0.013 χ^2 /NDF: 309072.9/23

Right Out: 84.989 $\pm$ 0.023 χ^2 /NDF: 287001.0/18

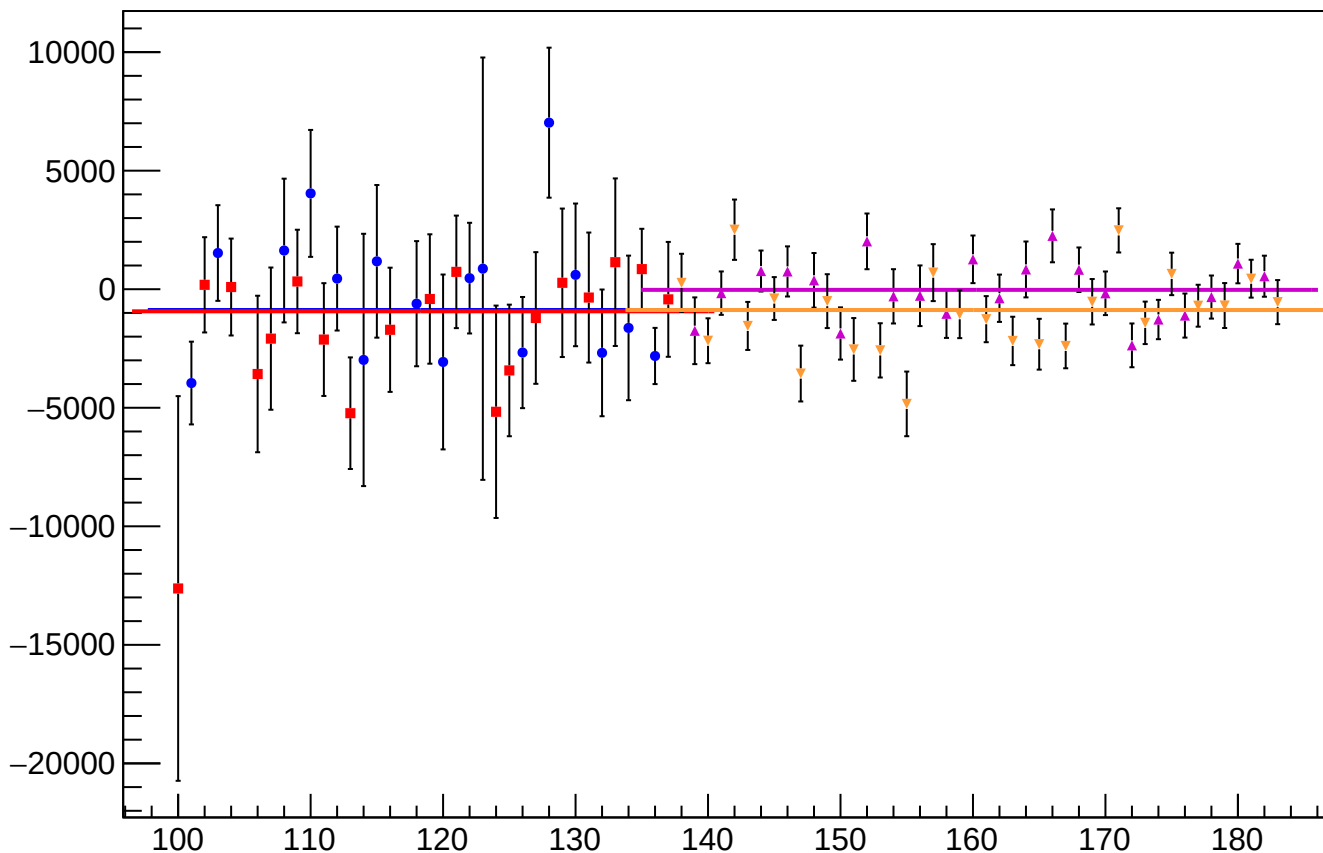
Left In: 79.278 $\pm$ 0.014 χ^2 /NDF: 201227.5/21

+ sign 80.549 $\pm$ 0.012 χ^2 /NDF: 586540.1/40

All: 80.653 $\pm$ 0.008 χ^2 /NDF: 1120846.0/81

- sign 80.761 $\pm$ 0.012 χ^2 /NDF: 534139.9/40

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -877.743 ± 584.504 χ^2/NDF : 20.5/16

Left Out: -877.497 ± 206.240 χ^2/NDF : 55.4/23

Right Out: -932.219 ± 590.182 χ^2/NDF : 11.3/18

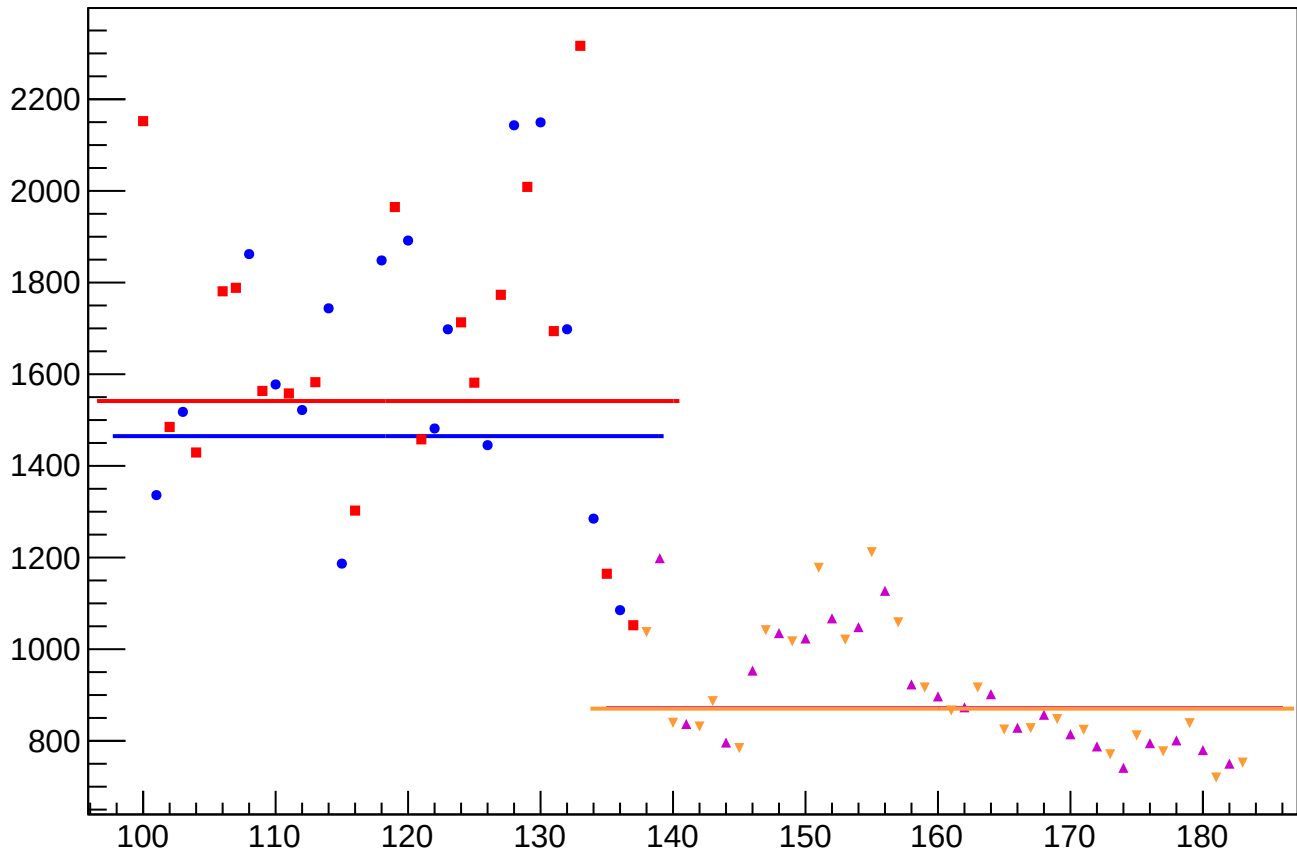
Left In: -26.960 ± 212.318 χ^2/NDF : 29.6/21

+ sign -877.524 ± 194.488 χ^2/NDF : 75.9/40

All: -514.138 ± 139.358 χ^2/NDF : 126.1/81

- sign -130.694 ± 199.783 χ^2/NDF : 43.1/40

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.922+/-0.413 χ^2/NDF : 565343.8/16

Left Out: 870.328+/-0.146 χ^2/NDF : 634954.0/23

+ sign 936.159+/-0.138 χ^2/NDF : 3040802.5/40

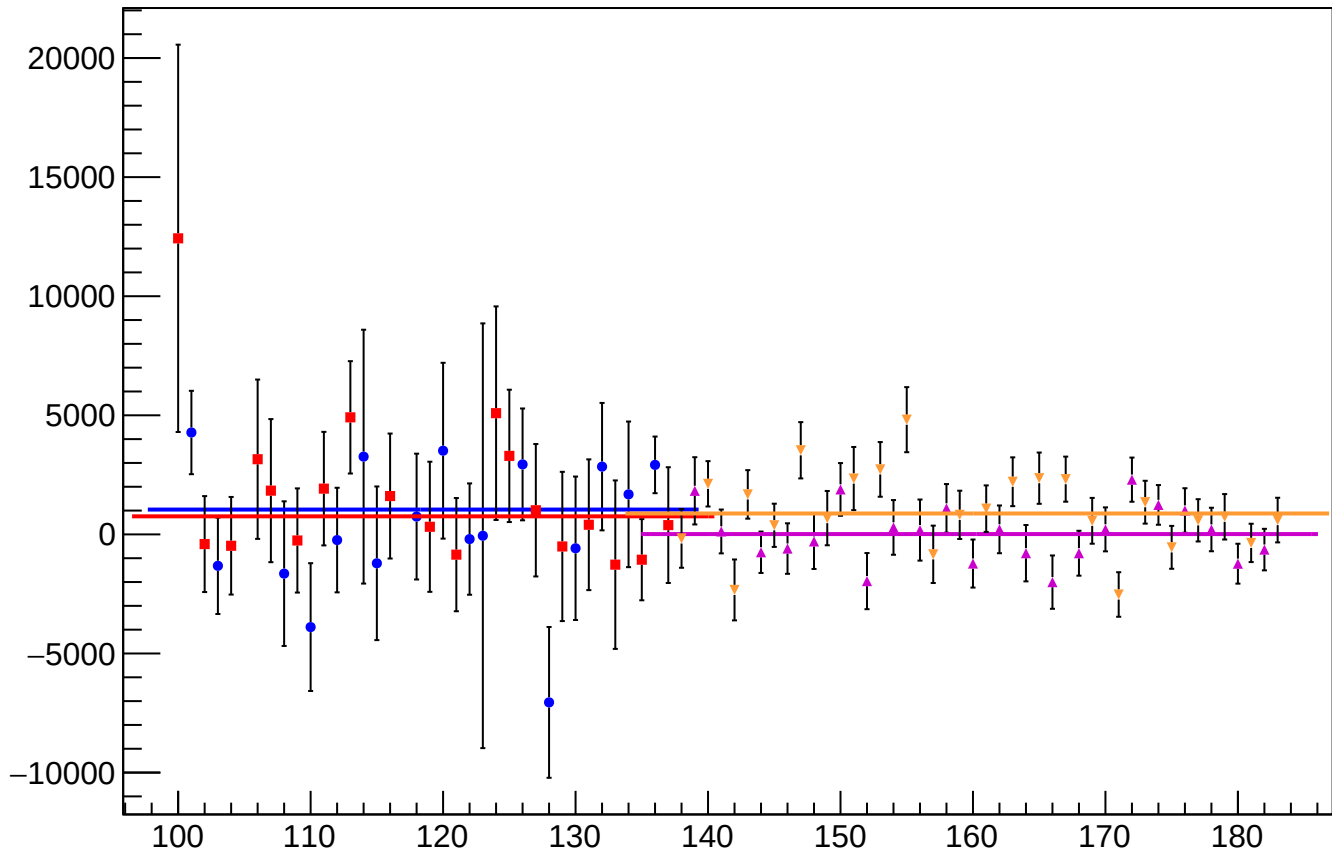
Right Out: 1541.521+/-0.417 χ^2/NDF : 455248.6/18

All: 942.113+/-0.099 χ^2/NDF : 6354657.3/81

- sign 948.395+/-0.141 χ^2/NDF : 3310003.3/40

Left In: 871.632+/-0.150 χ^2/NDF : 573319.5/21

asym_sam_24_68_dd_mean vs Slug



Right In: 1042.489+/-585.716 χ^2/NDF : 21.2/16

Left Out: 877.703+/-207.198 χ^2/NDF : 53.5/23

Right Out: 758.067+/-591.504 χ^2/NDF : 11.0/18

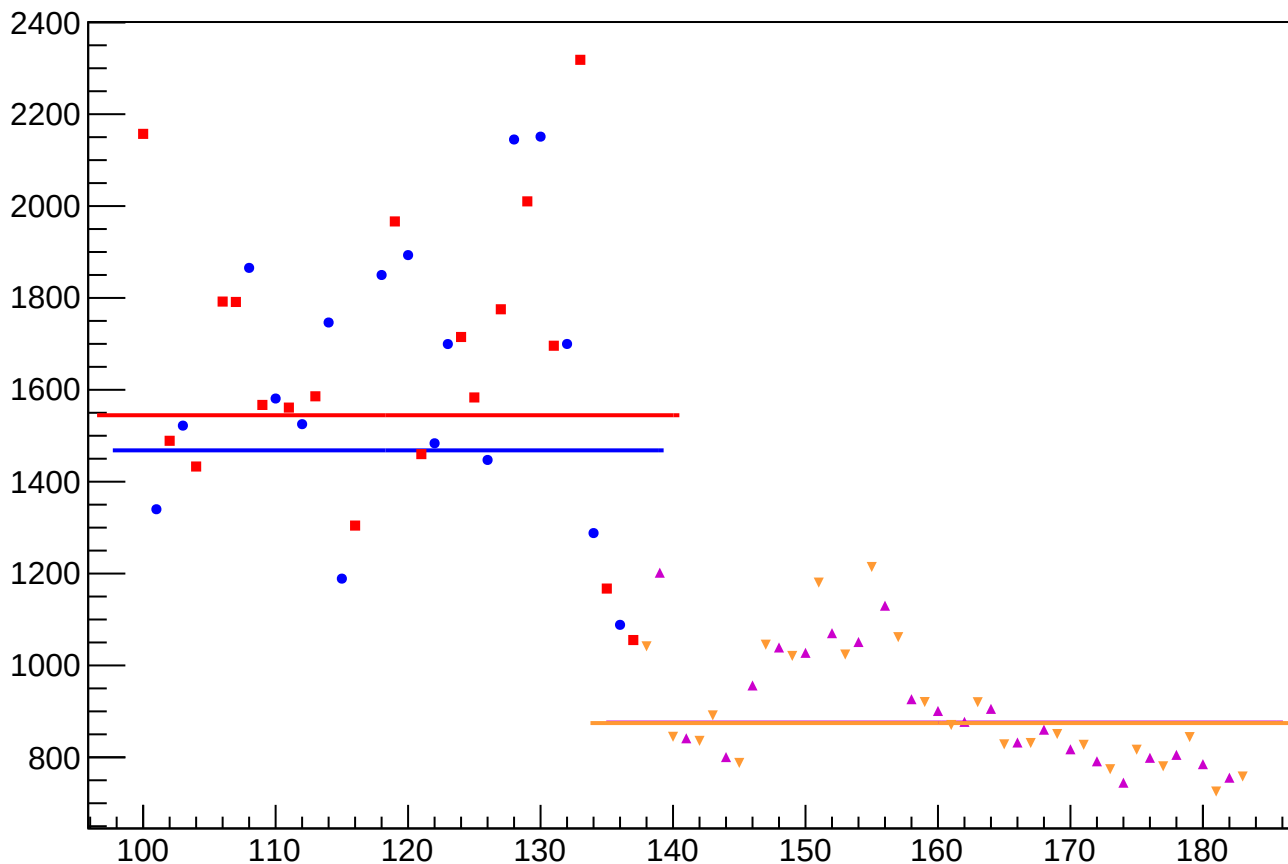
Left In: 13.322+/-213.277 χ^2/NDF : 27.9/21

+ sign 896.031+/-195.336 χ^2/NDF : 74.8/40

All: 508.178+/-139.959 χ^2/NDF : 123.2/81

- sign 99.005+/-200.633 χ^2/NDF : 40.3/40

asym_sam_24_68_dd_rms vs Slug



Right In: 1468.195+/-0.414 χ^2/NDF : 561893.4/16

Left Out: 874.521+/-0.147 χ^2/NDF : 625493.4/23

Right Out: 1544.653+/-0.418 χ^2/NDF : 453342.4/18

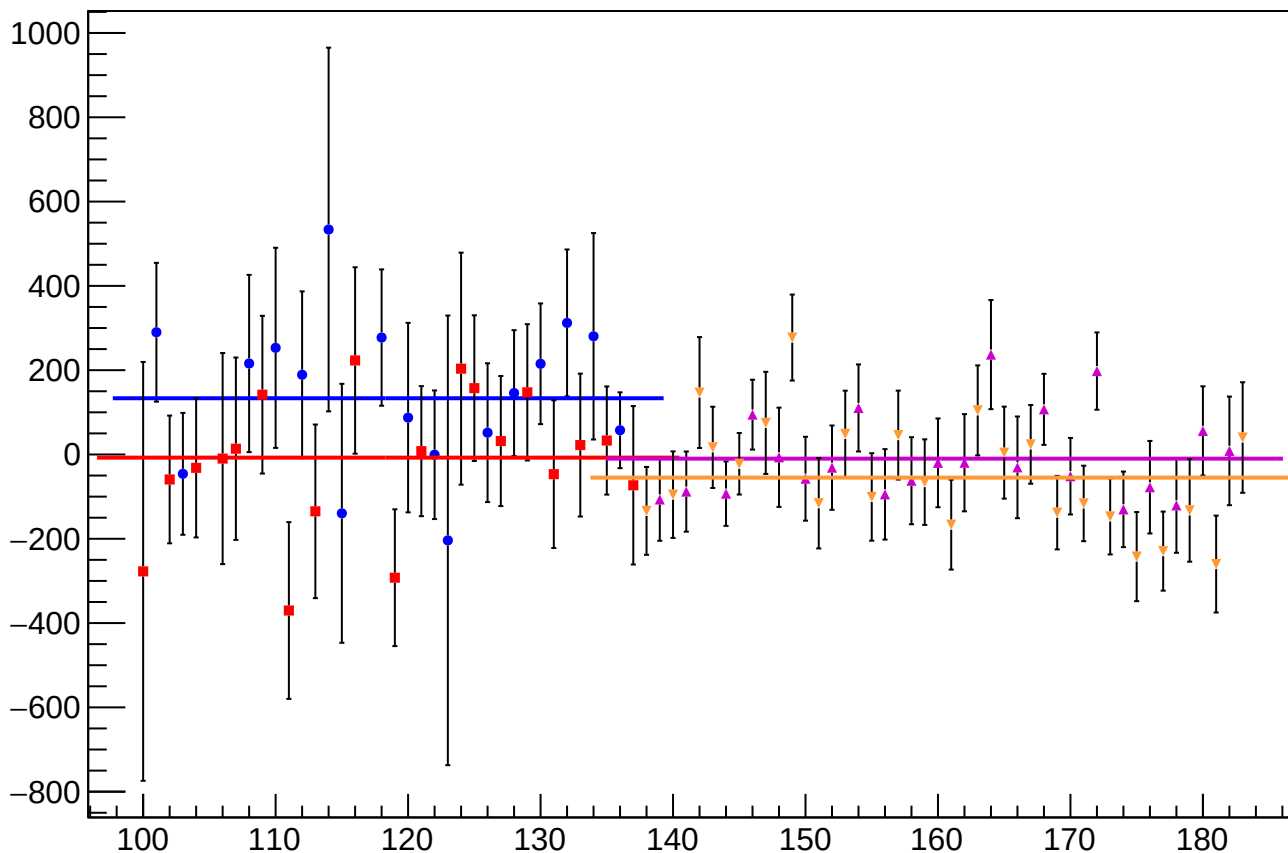
Left In: 875.694+/-0.151 χ^2/NDF : 565258.2/21

+ sign 940.551+/-0.138 χ^2/NDF : 3013572.8/40

All: 946.442+/-0.099 χ^2/NDF : 6299683.7/81

- sign 952.658+/-0.142 χ^2/NDF : 3282372.1/40

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 133.408 $\pm$ 41.705 χ^2 /NDF: 9.3/16

Left Out: -54.874 $\pm$ 20.746 χ^2 /NDF: 35.5/23

Right Out: -7.495 $\pm$ 41.511 χ^2 /NDF: 11.4/18

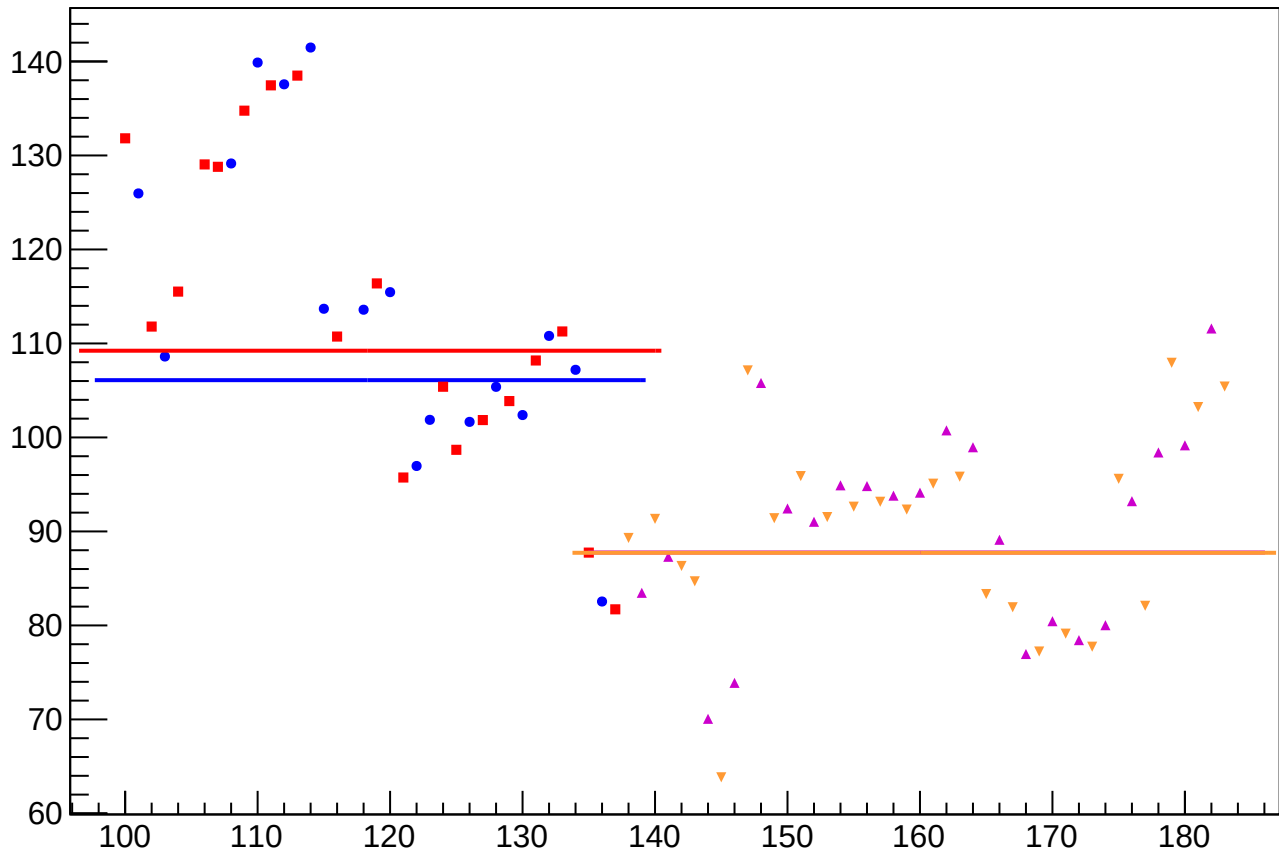
Left In: -9.893 $\pm$ 21.373 χ^2 /NDF: 21.4/21

+ sign -17.526 $\pm$ 18.574 χ^2 /NDF: 61.2/40

All: -13.551 $\pm$ 13.283 χ^2 /NDF: 94.1/81

- sign -9.391 $\pm$ 19.002 χ^2 /NDF: 32.9/40

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.094 $\pm$ 0.029 χ^2 /NDF: 316104.7/16

Left Out: 87.728 $\pm$ 0.015 χ^2 /NDF:551631.0/23

Right Out: 109.227 $\pm$ 0.029 χ^2 /NDF: 283569.2/18

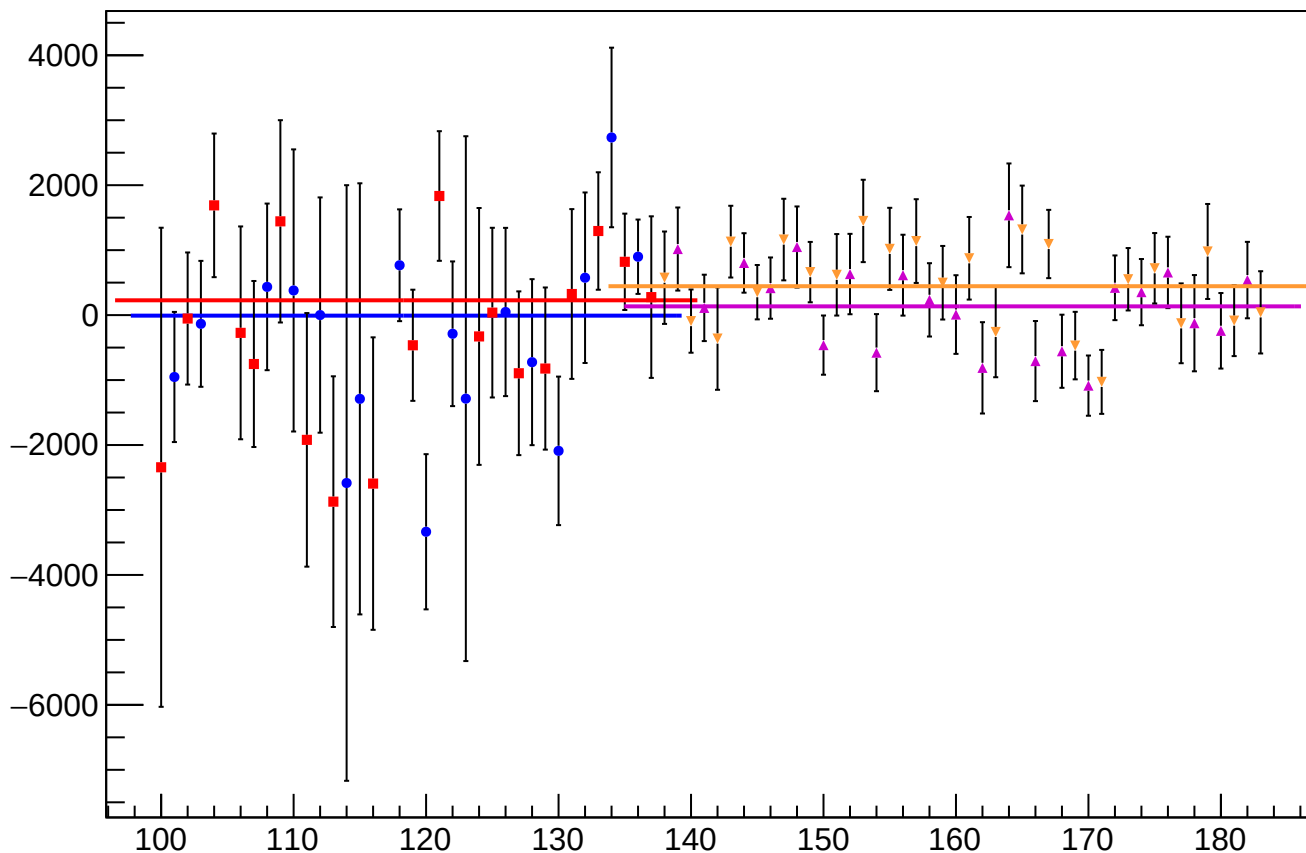
Left In: 87.758 $\pm$ 0.015 χ^2 /NDF:489207.7/21

+ sign 91.371 $\pm$ 0.013 χ^2 /NDF: 1178660.5/40

All: 91.804 $\pm$ 0.009 χ^2 /NDF: 2376500.9/81

- sign 92.257 $\pm$ 0.013 χ^2 /NDF: 1195616.9/40

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -8.296 ± 284.265 χ^2/NDF : 20.5/16

Left Out: 444.811 ± 116.806 χ^2/NDF : 29.8/23

Right Out: 227.827 ± 280.146 χ^2/NDF : 15.8/18

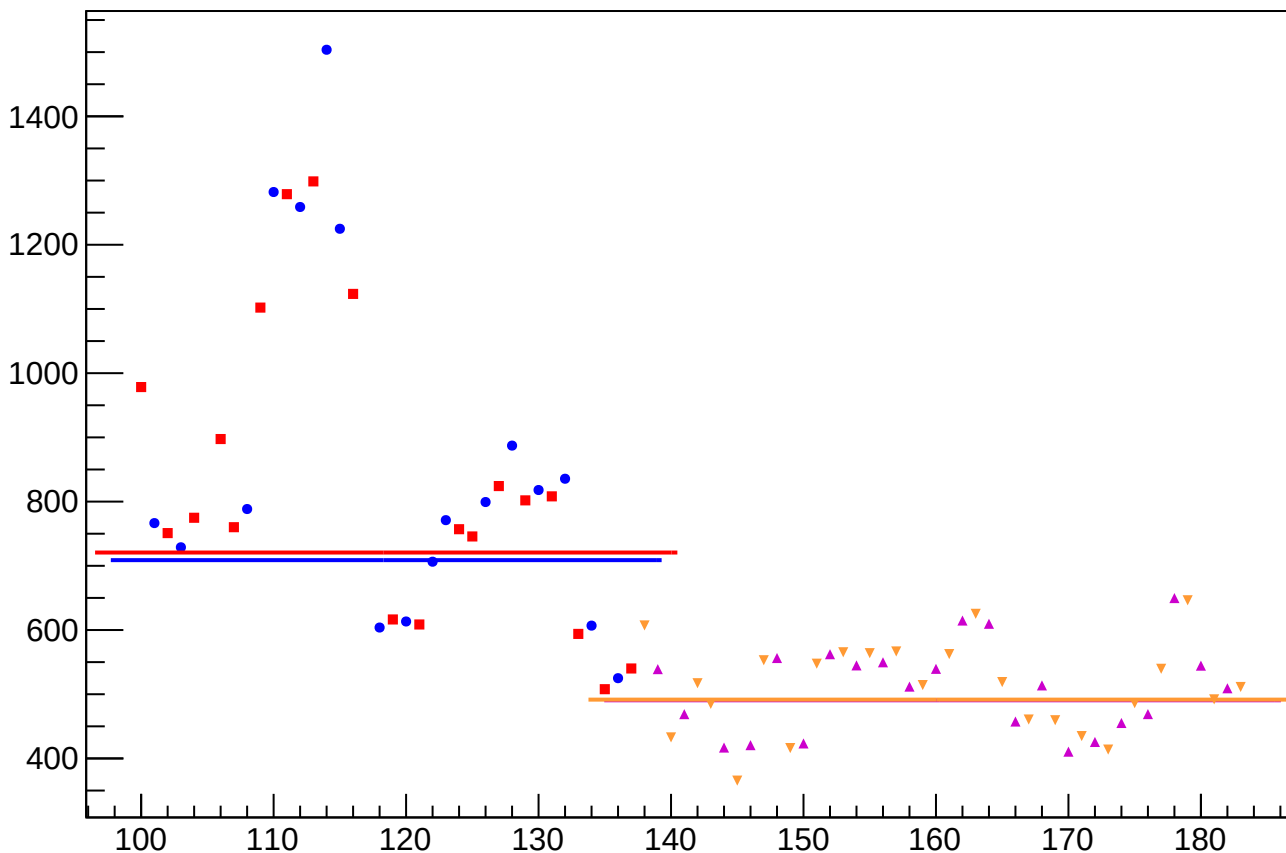
Left In: 134.667 ± 119.767 χ^2/NDF : 28.6/21

+ sign 379.358 ± 108.041 χ^2/NDF : 52.5/40

All: 266.411 ± 77.123 χ^2/NDF : 99.3/81

- sign 149.063 ± 110.125 χ^2/NDF : 44.6/40

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.820+/-0.201 χ^2/NDF : 793495.1/16

Left Out: 491.598+/-0.083 χ^2/NDF : 736430.7/23

Right Out: 720.682+/-0.198 χ^2/NDF : 901856.3/18

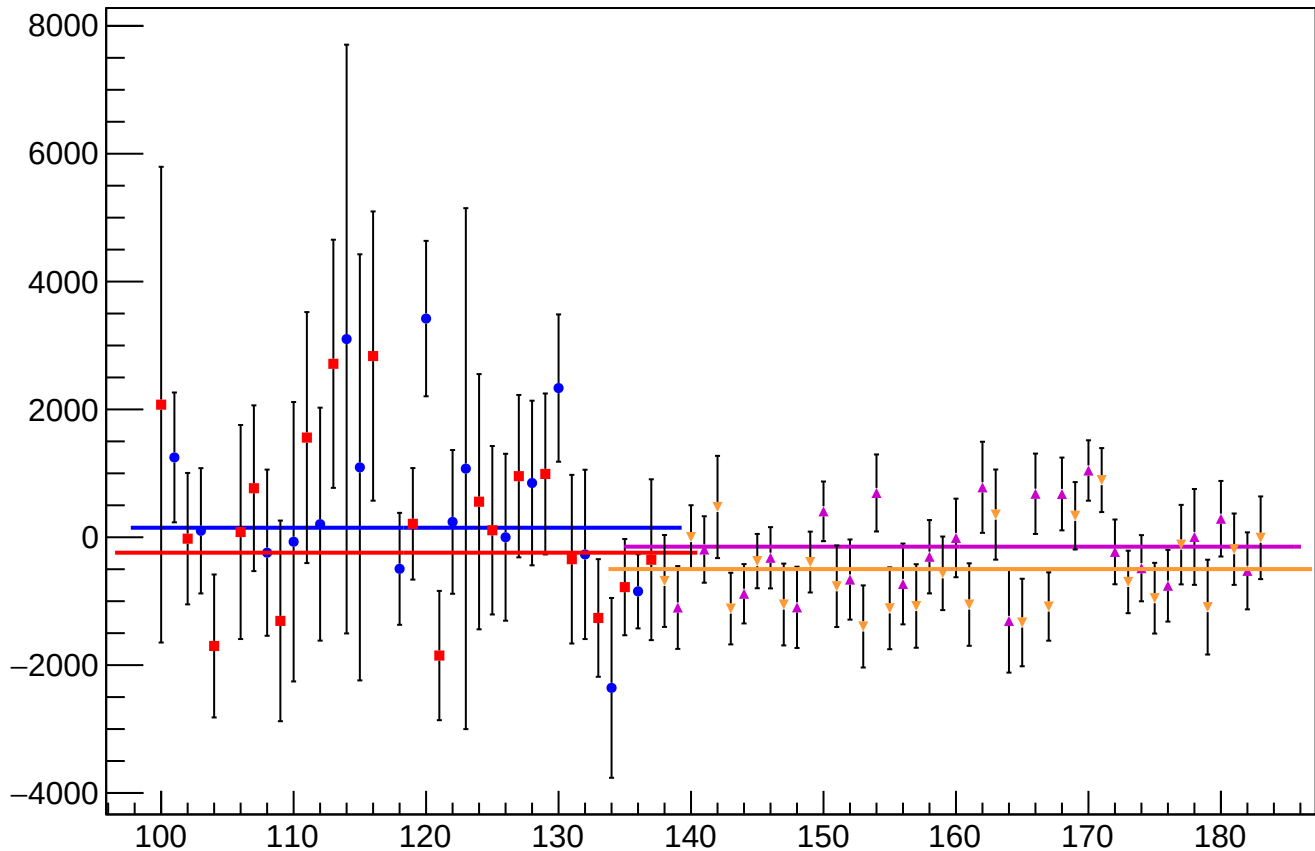
Left In: 490.552+/-0.085 χ^2/NDF : 588065.9/21

+ sign 522.976+/-0.076 χ^2/NDF : 2529086.5/40

All: 524.515+/-0.055 χ^2/NDF : 5160891.8/81

- sign 526.113+/-0.078 χ^2/NDF : 2630978.4/40

asym_sam_26_48_dd_mean vs Slug



Right In: 149.114 $\pm$ 287.749 χ^2 /NDF: 19.7/16

Left Out: -497.504 $\pm$ 118.774 χ^2 /NDF:26.4/23

Right Out: -241.208 $\pm$ 283.783 χ^2 /NDF: 14.9/18

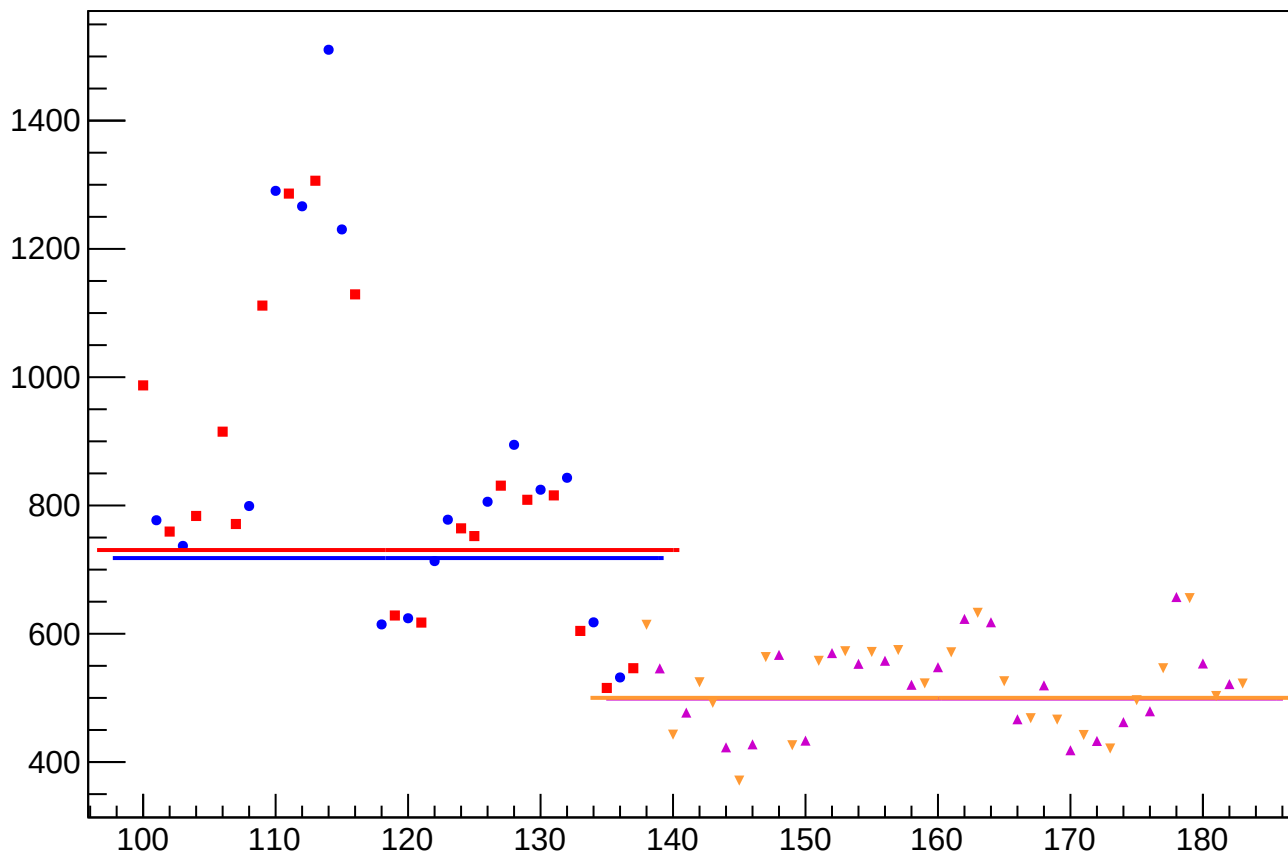
Left In: -147.002 $\pm$ 121.784 χ^2 /NDF:28.6/21

+ sign -403.372 $\pm$ 109.789 χ^2 /NDF: 50.4/40

All: -284.829 $\pm$ 78.373 χ^2 /NDF: 96.4/81

- sign -161.653 $\pm$ 111.914 χ^2 /NDF: 43.6/40

asym_sam_26_48_dd_rms vs Slug



Right In: 718.014 $\pm$ 0.203 χ^2 /NDF: 778471.9/16

Left Out: 500.093 $\pm$ 0.084 χ^2 /NDF: 720701.2/23

Right Out: 730.544 $\pm$ 0.201 χ^2 /NDF: 883666.2/18

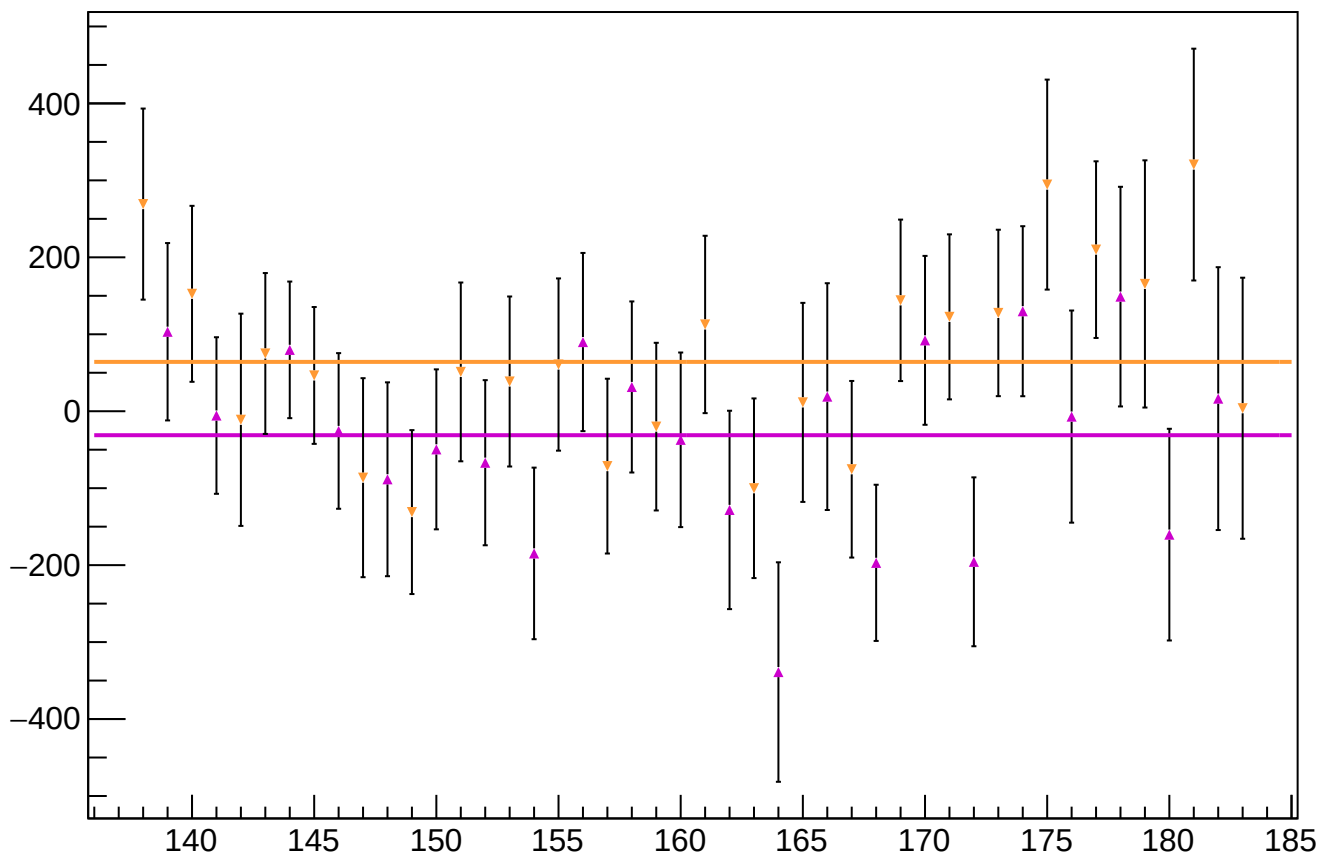
Left In: 498.970 $\pm$ 0.086 χ^2 /NDF: 574932.4/21

+ sign 531.817 $\pm$ 0.078 χ^2 /NDF: 2479275.4/40

All: 533.371 $\pm$ 0.055 χ^2 /NDF: 5063354.9/81

- sign 534.985 $\pm$ 0.079 χ^2 /NDF: 2583262.9/40

reg_asym_sam_1548_avg_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 64.122 $\pm$ 23.887 χ^2 /NDF:23.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

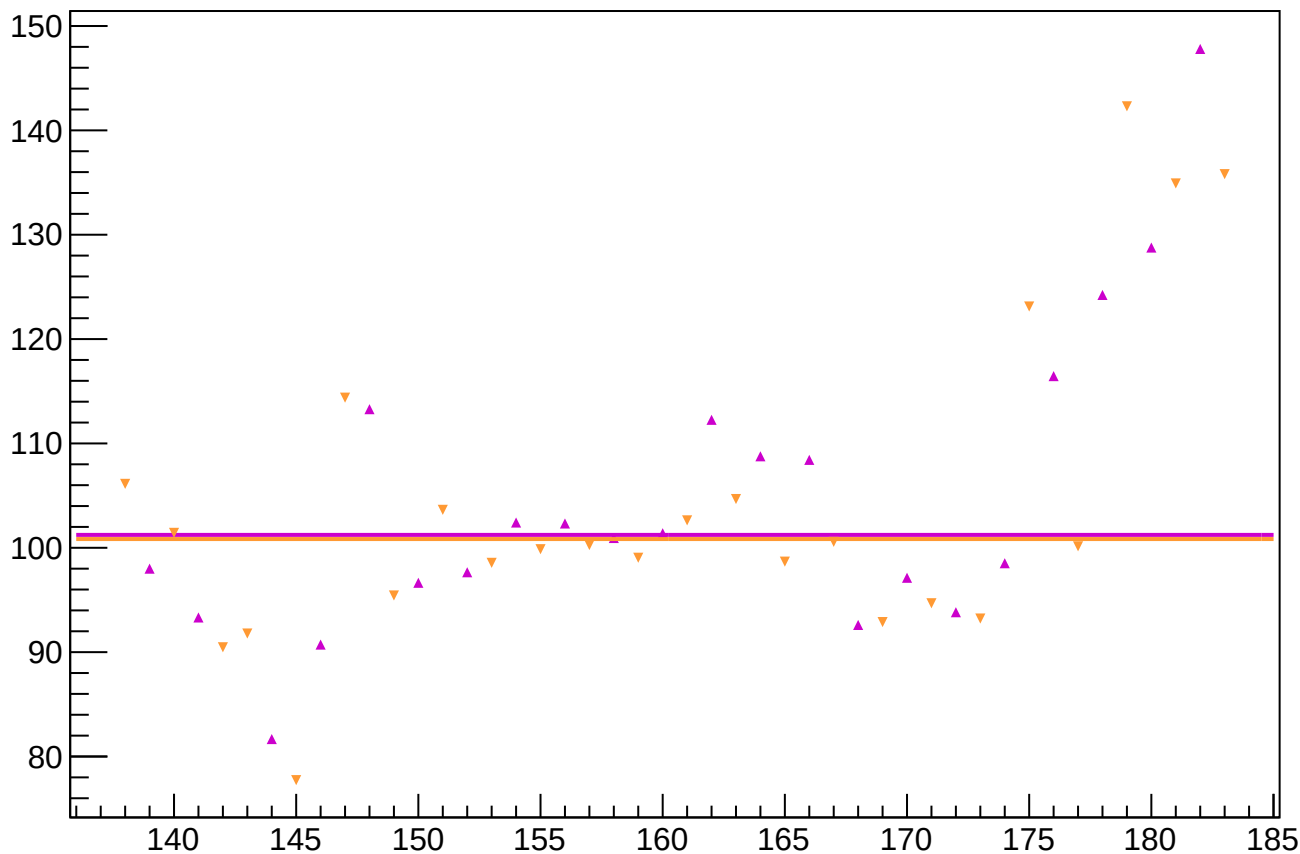
Left In: -31.156 $\pm$ 24.677 χ^2 /NDF:22.9/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 18.033 $\pm$ 17.163 χ^2 /NDF: 54.0/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_1548_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 100.837+/-0.017 χ^2/NDF : 600170.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

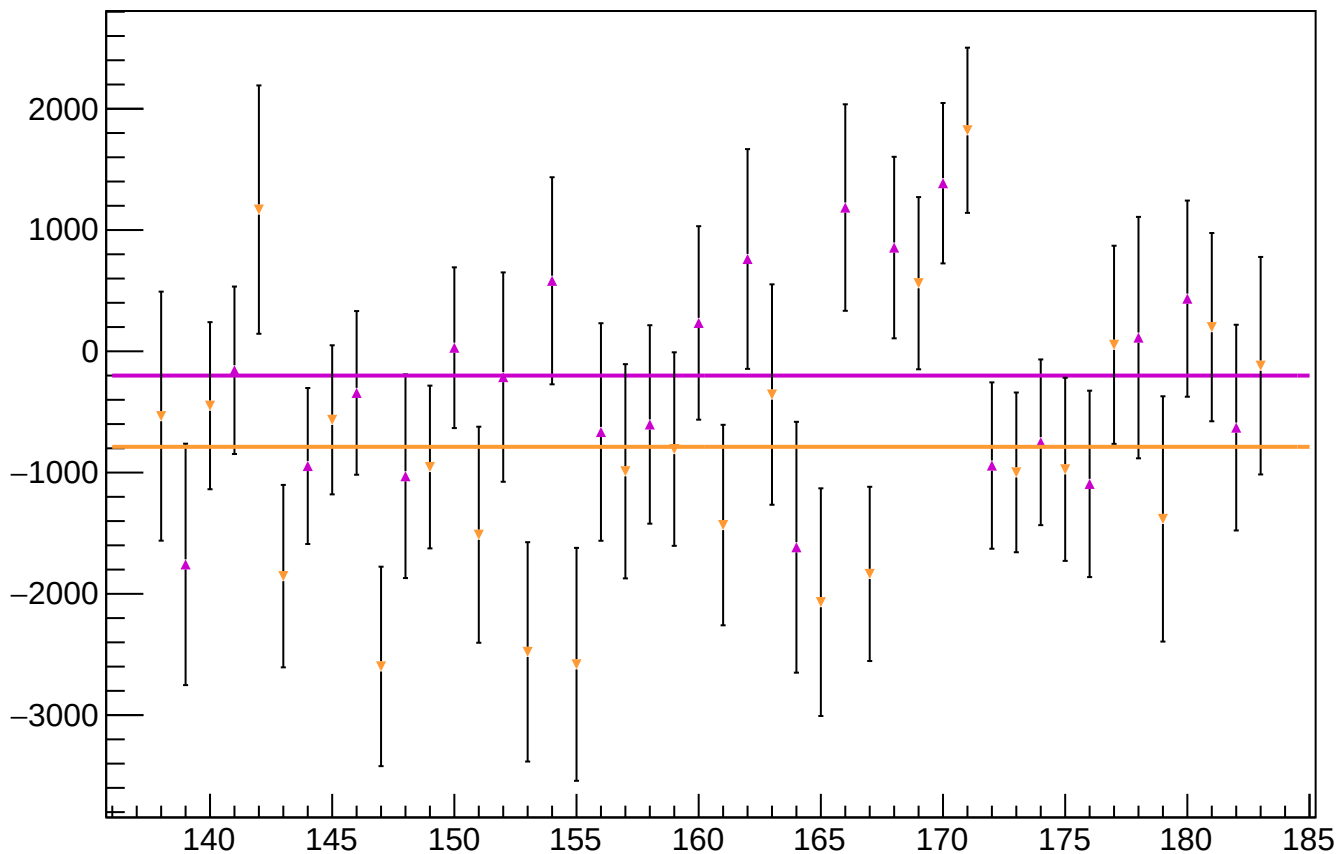
Left In: 101.236+/-0.017 χ^2/NDF : 514995.5/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 101.030+/-0.012 χ^2/NDF : 1115436.2/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -787.704+/-162.510 χ^2/NDF : 45.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

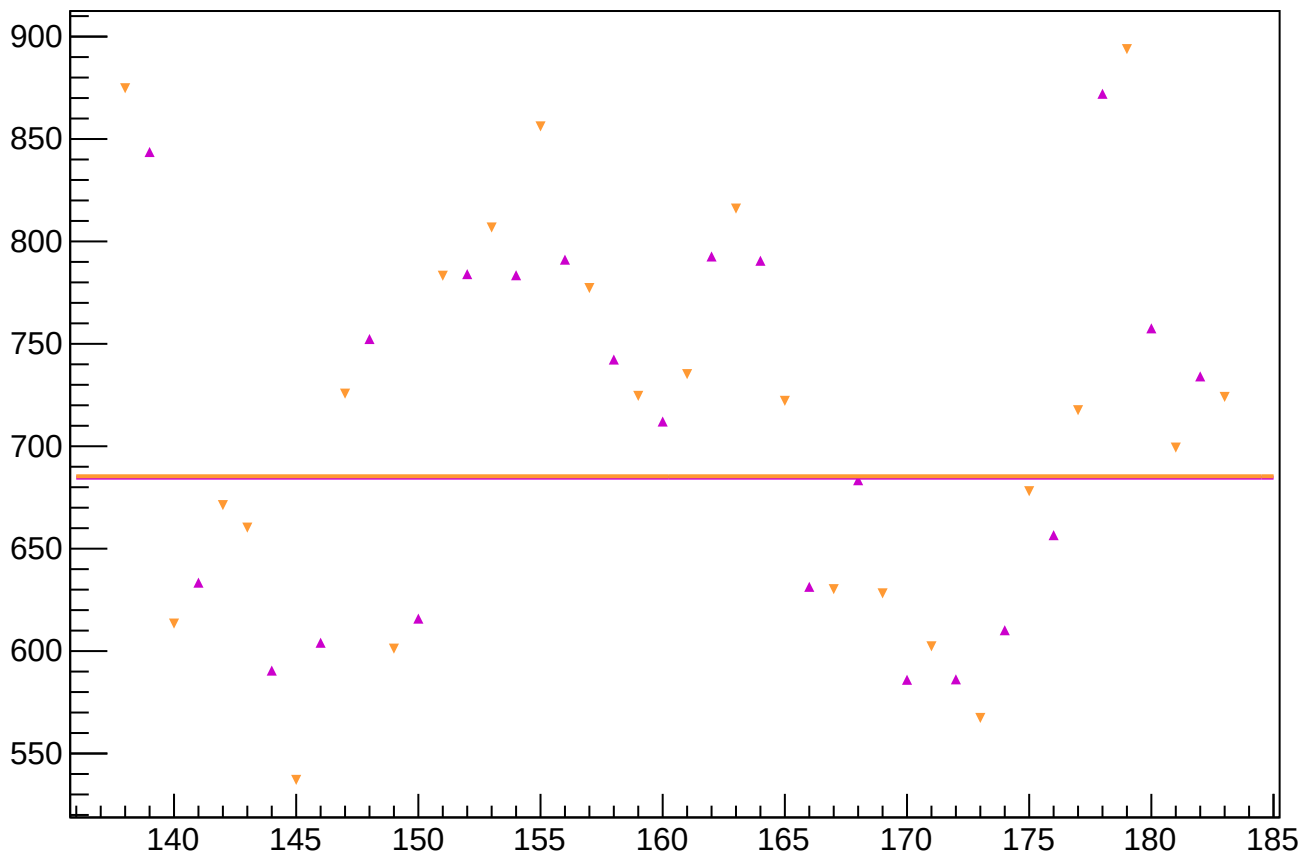
Left In: -200.149+/-166.836 χ^2/NDF : 24.1/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -501.644+/-116.411 χ^2/NDF : 76.0/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 685.342+/-0.115 χ^2/NDF : 658058.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

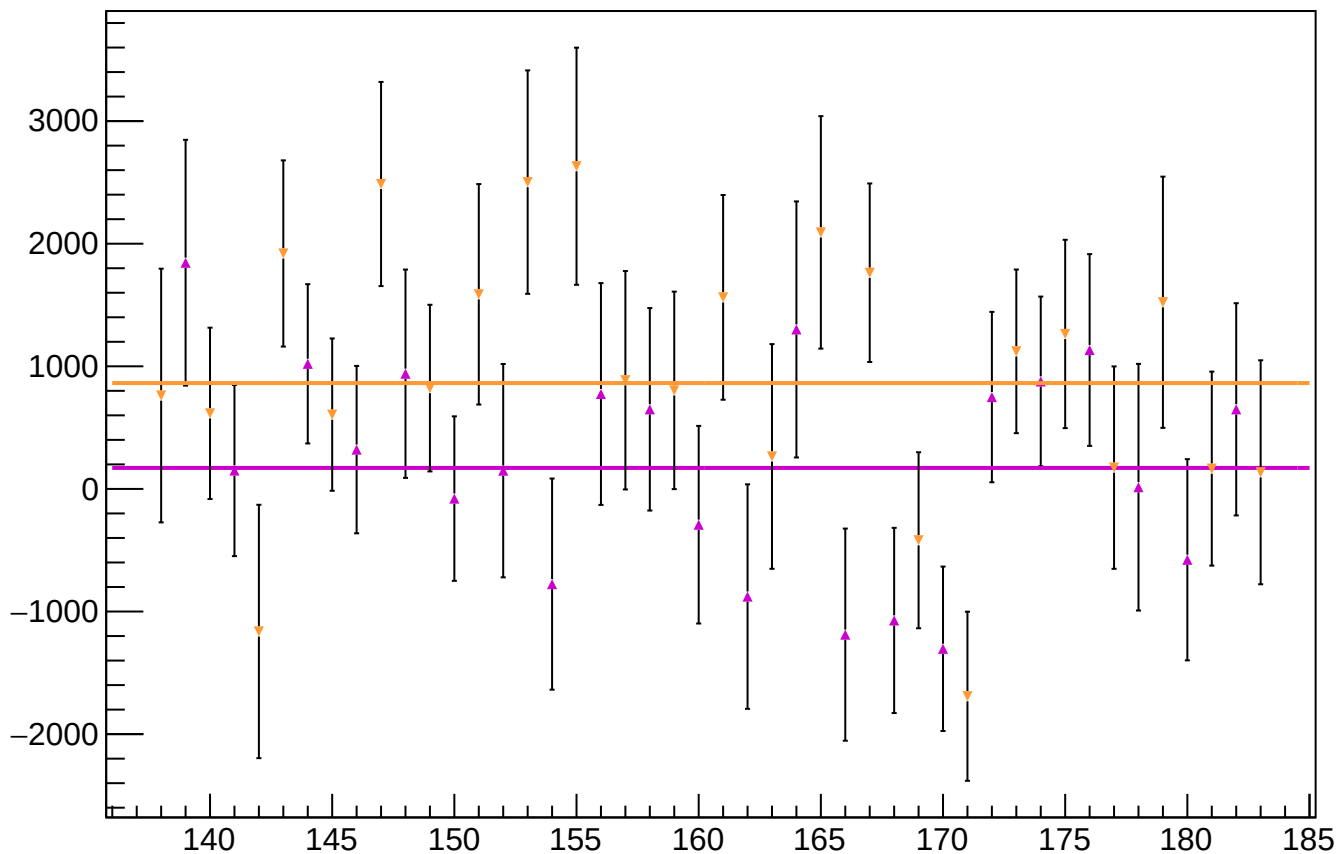
Left In: 684.679+/-0.118 χ^2/NDF : 525046.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 685.019+/-0.082 χ^2/NDF : 1183121.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 863.485 $\pm$ 164.421 χ^2 /NDF:41.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

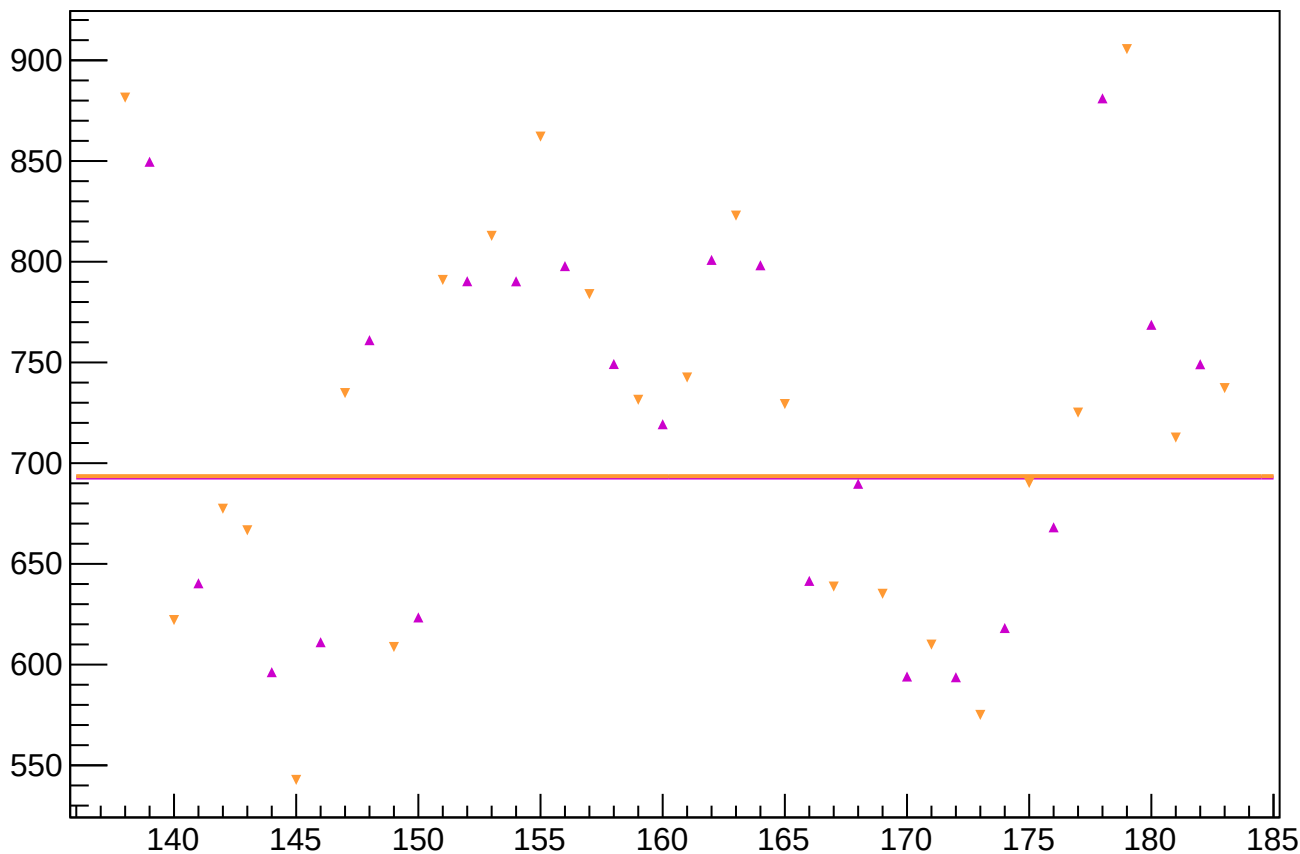
Left In: 171.257 $\pm$ 168.802 χ^2 /NDF:24.7/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 526.470 $\pm$ 117.782 χ^2 /NDF: 74.7/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_sam_1548_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 693.554+/-0.116 χ^2/NDF : 648349.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

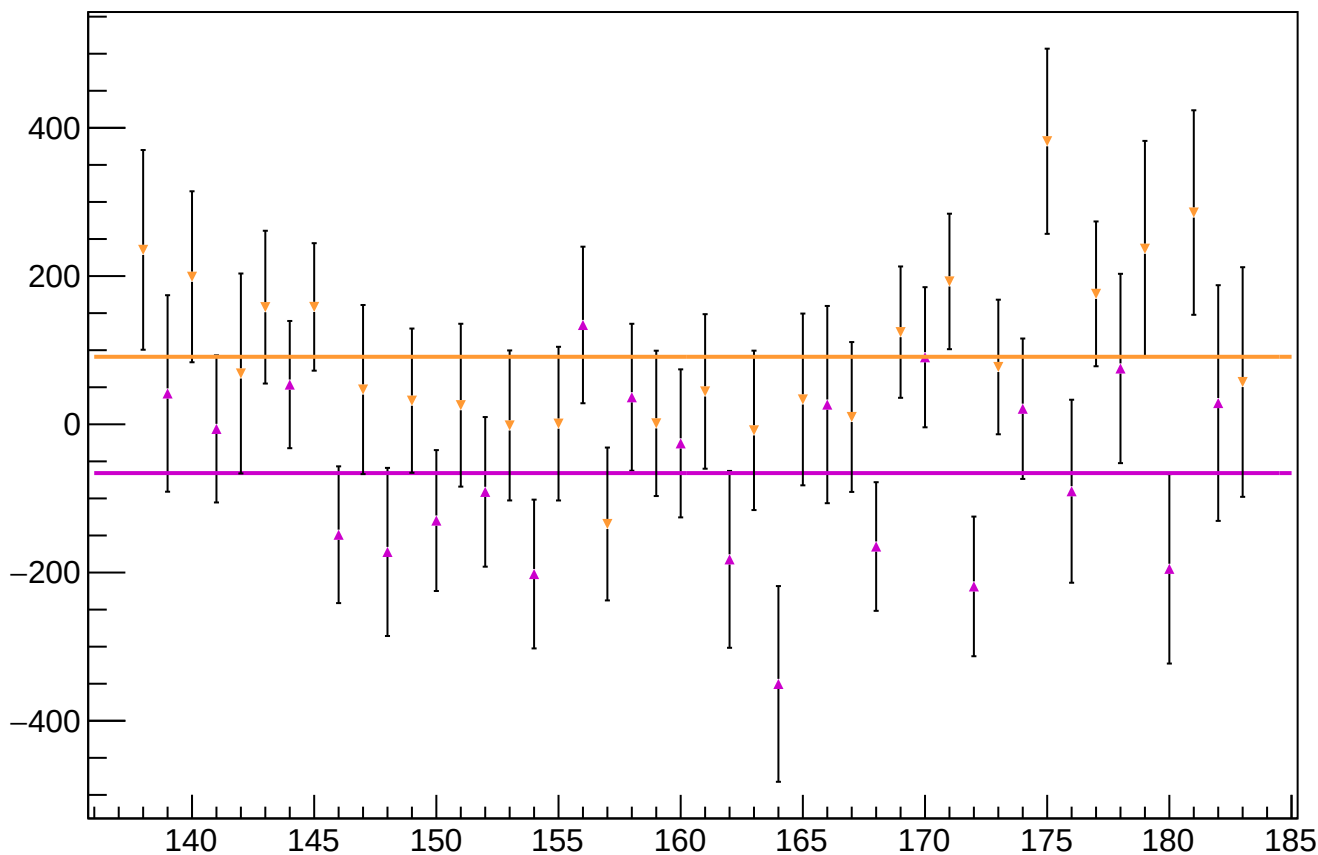
Left In: 692.865+/-0.119 χ^2/NDF : 516896.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 693.218+/-0.083 χ^2/NDF : 1165263.6/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 91.105 $\pm$ 21.831 χ^2 /NDF:23.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

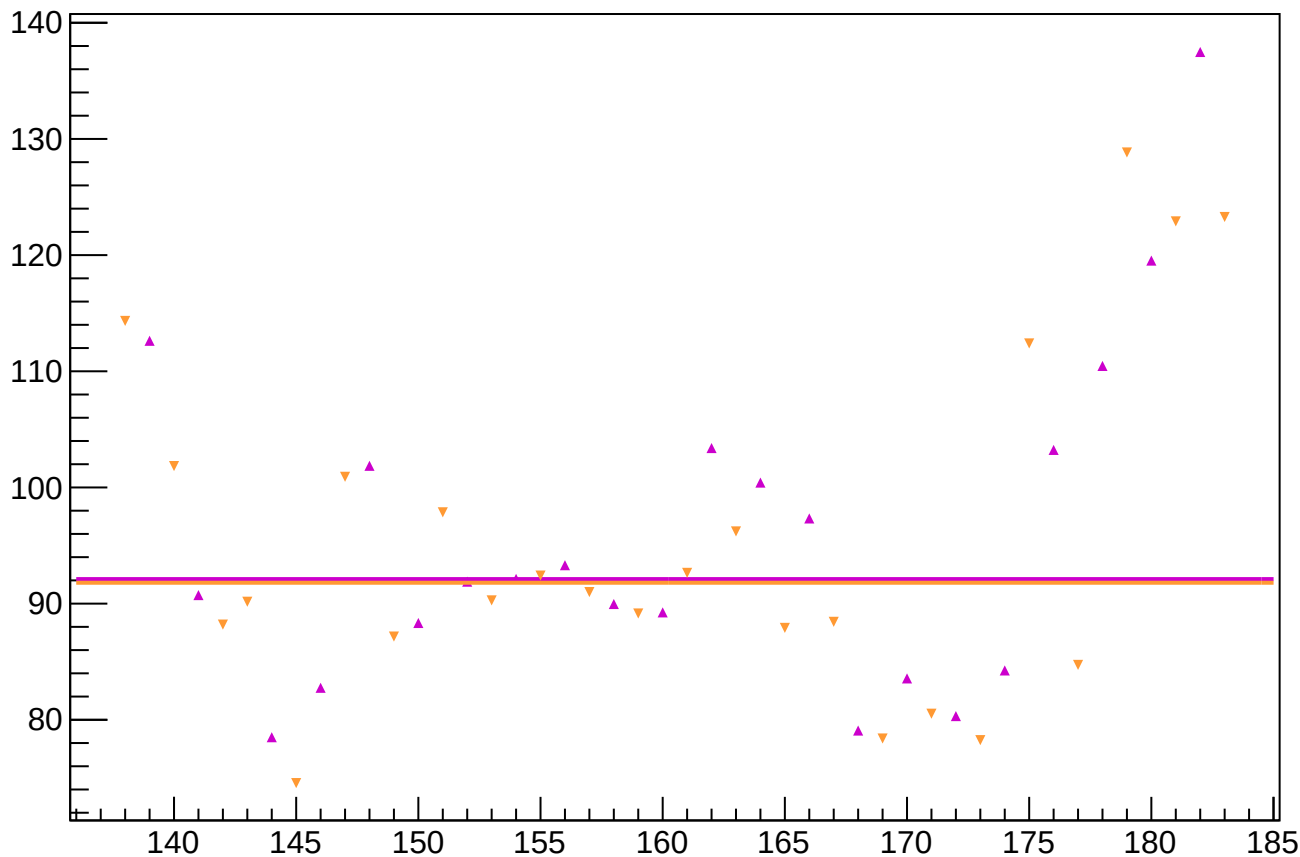
Left In: -65.817 $\pm$ 22.531 χ^2 /NDF:28.0/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 15.118 $\pm$ 15.679 χ^2 /NDF: 76.8/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_3748_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 91.798+/-0.015 χ^2/NDF : 686454.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

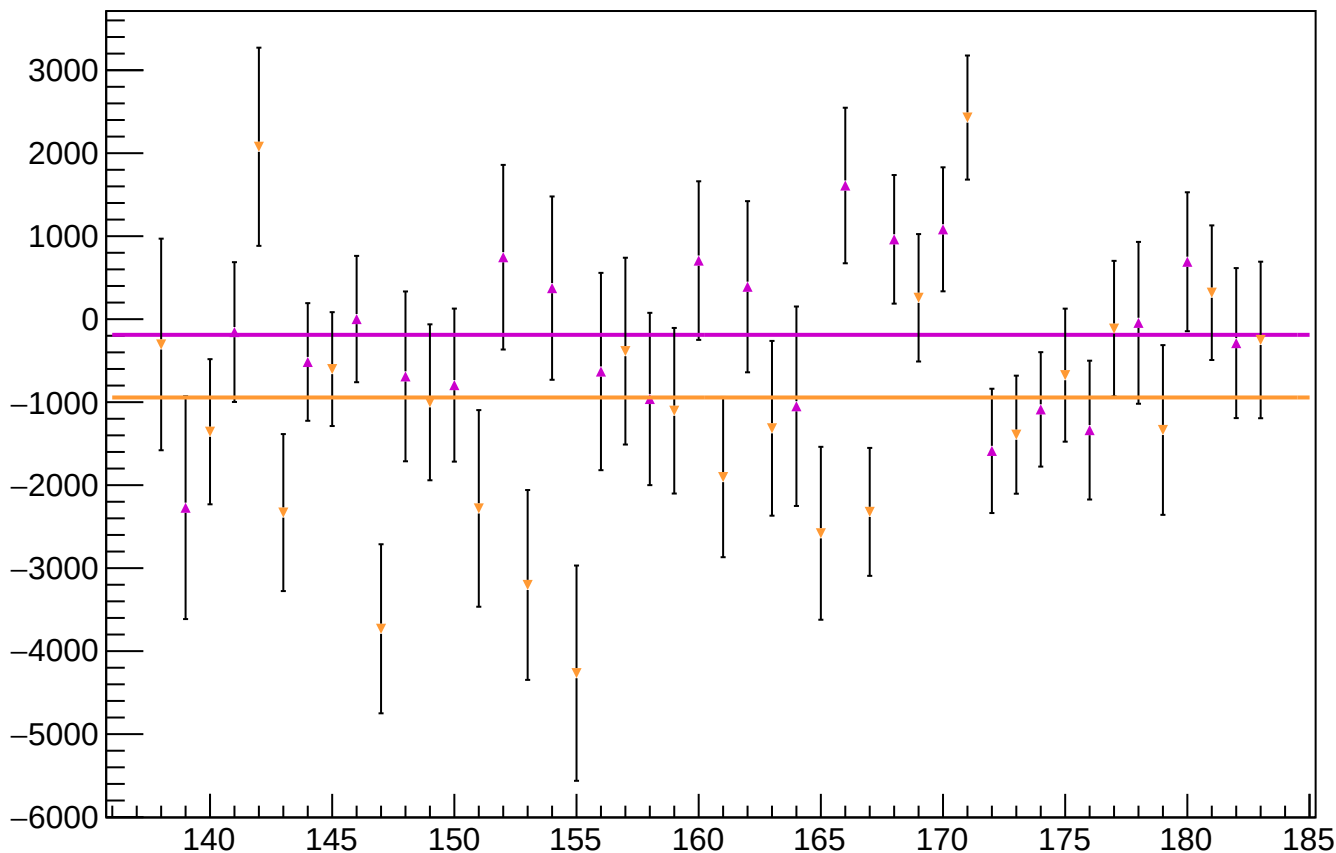
Left In: 92.113+/-0.016 χ^2/NDF : 587858.1/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 91.950+/-0.011 χ^2/NDF : 1274513.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_correction_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -943.481 $\pm$ 187.230 χ^2 /NDF:63.0/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

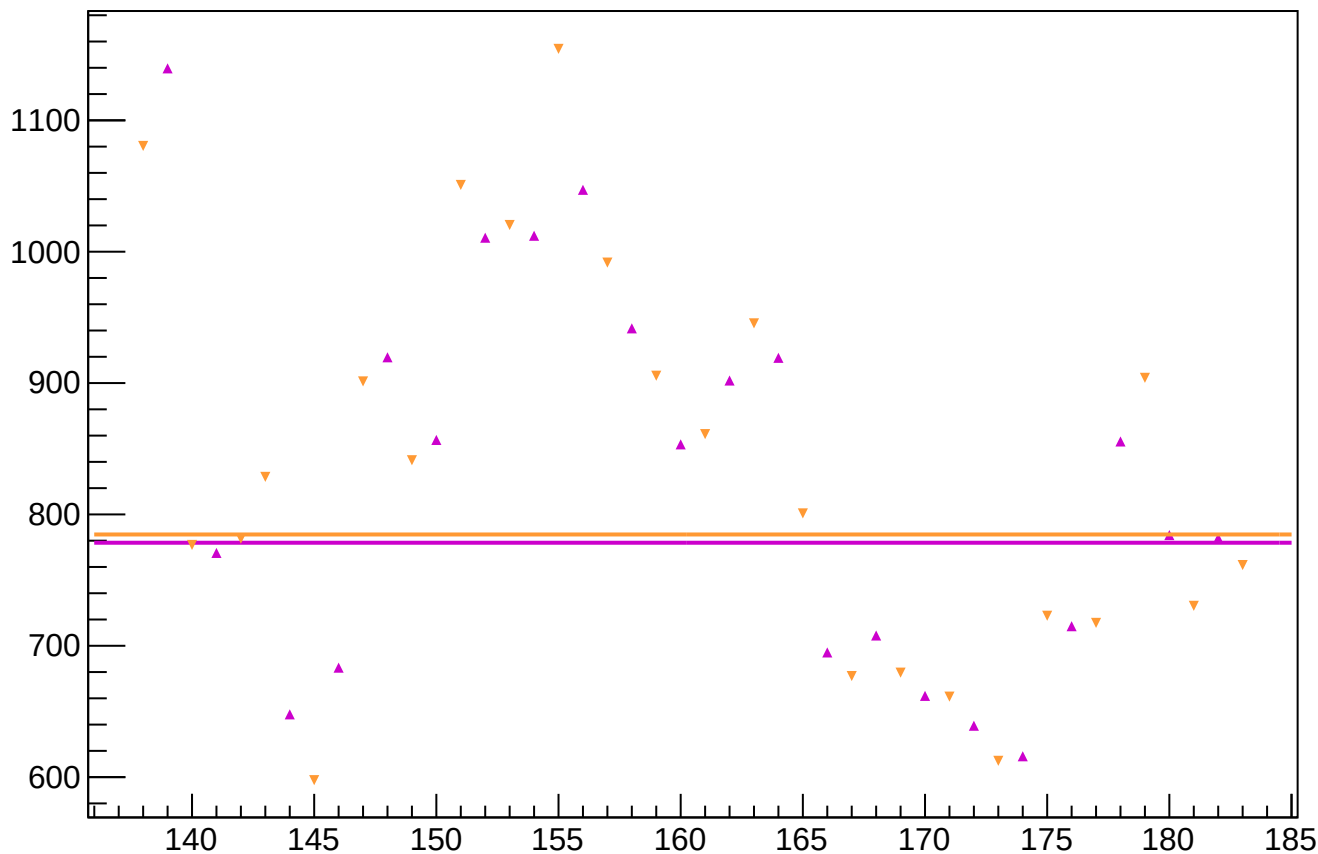
Left In: -188.756 $\pm$ 190.972 χ^2 /NDF:23.7/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -573.585 $\pm$ 133.695 χ^2 /NDF: 94.7/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_sam_3748_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 784.733+/-0.132 χ^2/NDF :1110415.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

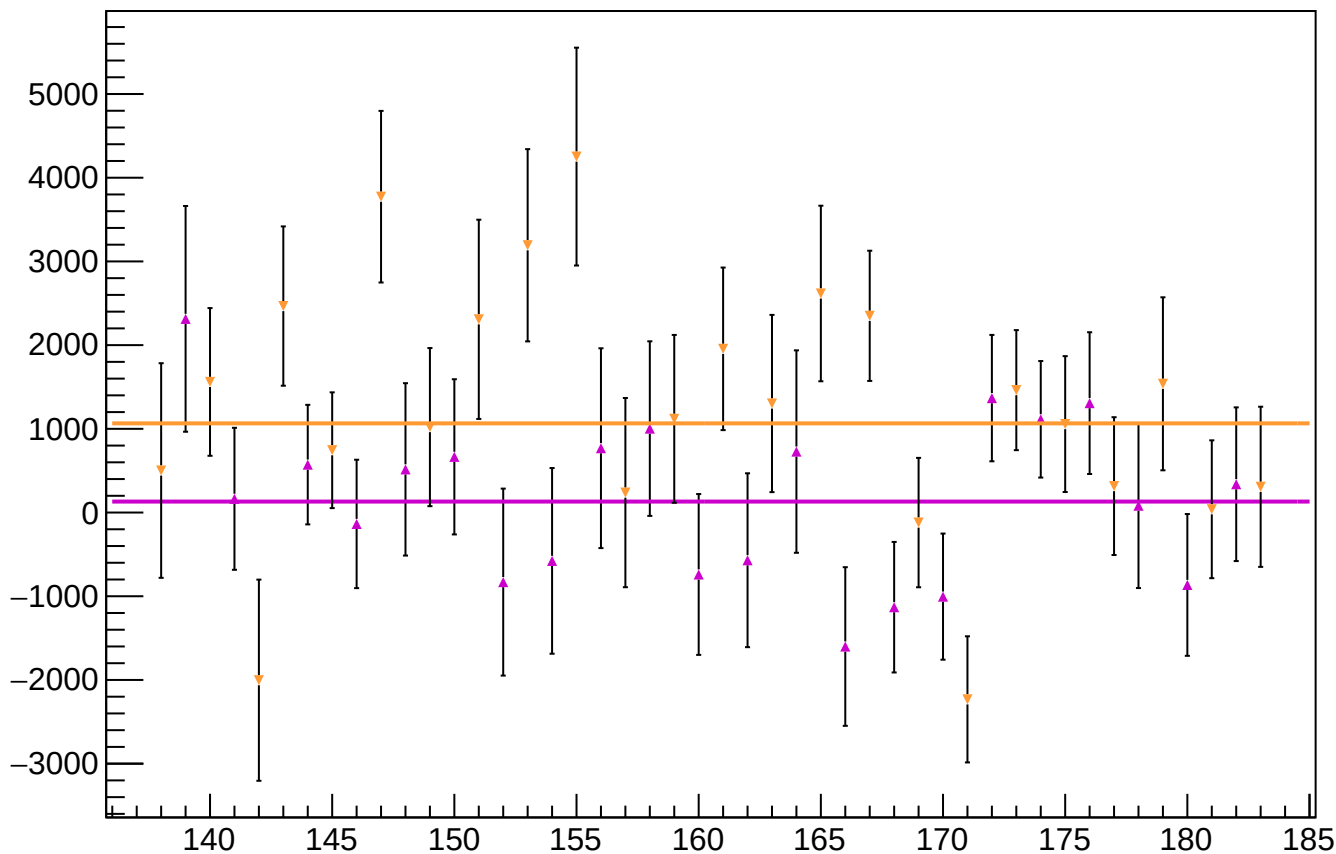
Left In: 778.442+/-0.135 χ^2/NDF :979158.5/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 781.649+/-0.095 χ^2/NDF : 2090680.7/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1065.431+/-188.715 χ^2/NDF : 58.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

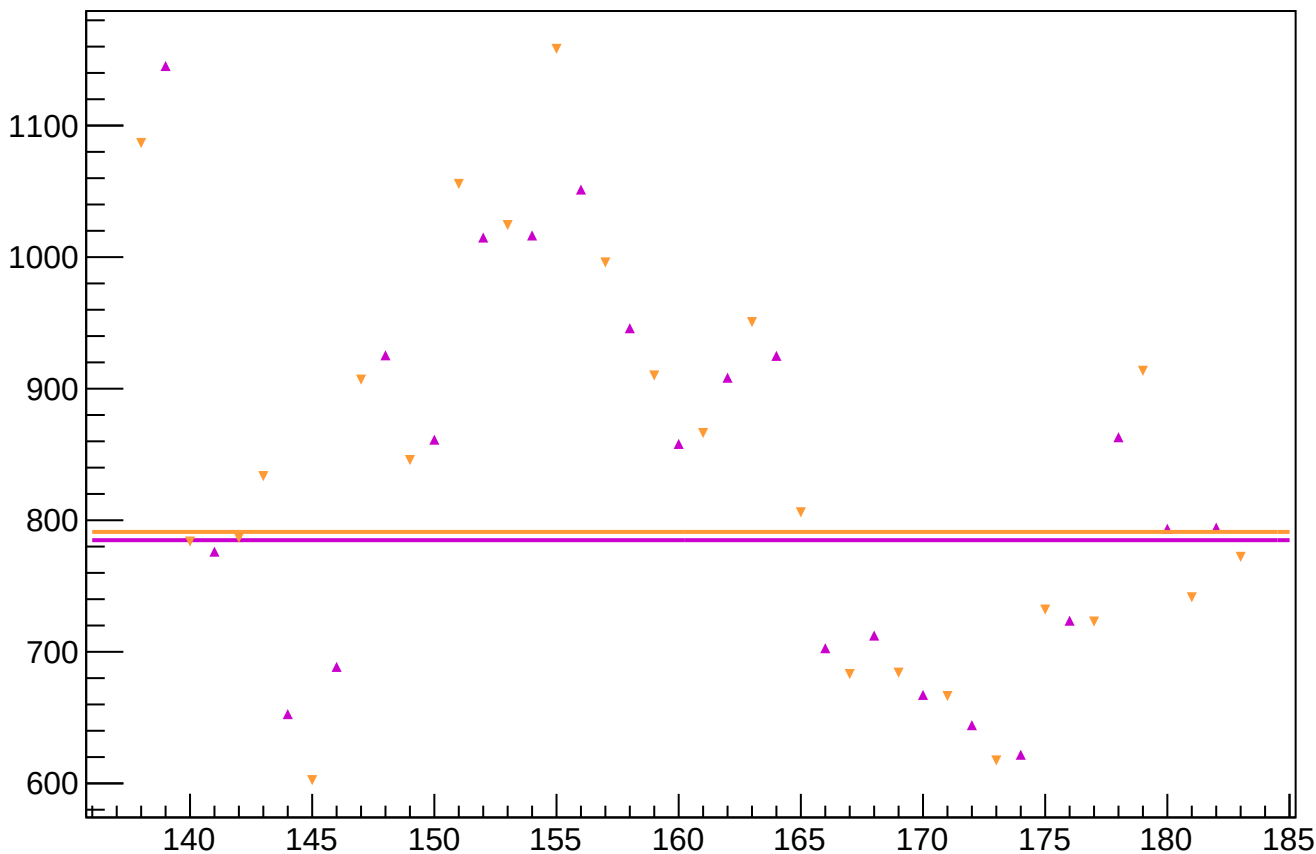
Left In: 131.074+/-192.500 χ^2/NDF : 23.5/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 607.529+/-134.760 χ^2/NDF : 93.8/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 791.157+/-0.133 χ^2/NDF :1093128.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

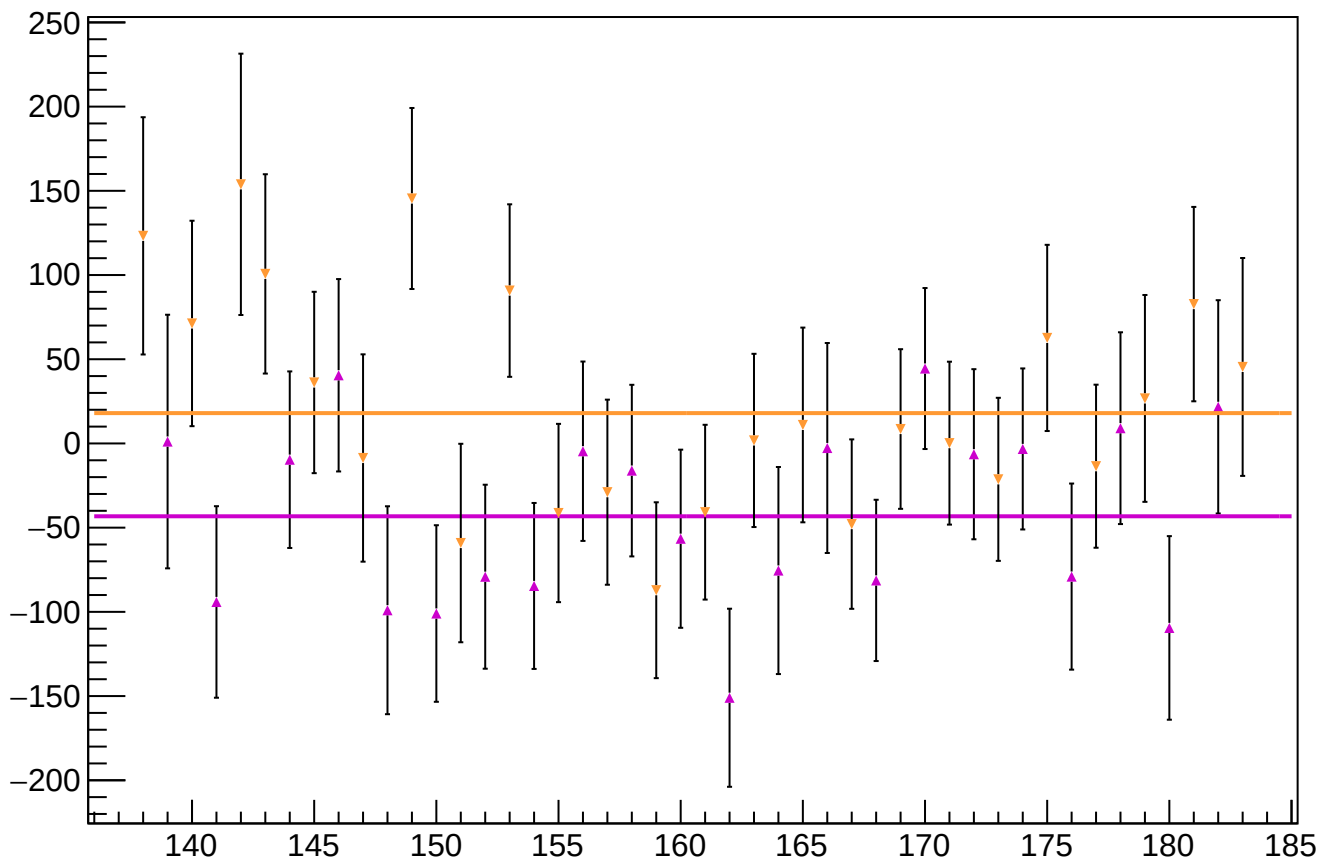
Left In: 784.854+/-0.136 χ^2/NDF :963906.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 788.068+/-0.095 χ^2/NDF : 2058127.7/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 18.010+/-11.249 χ^2/NDF :30.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

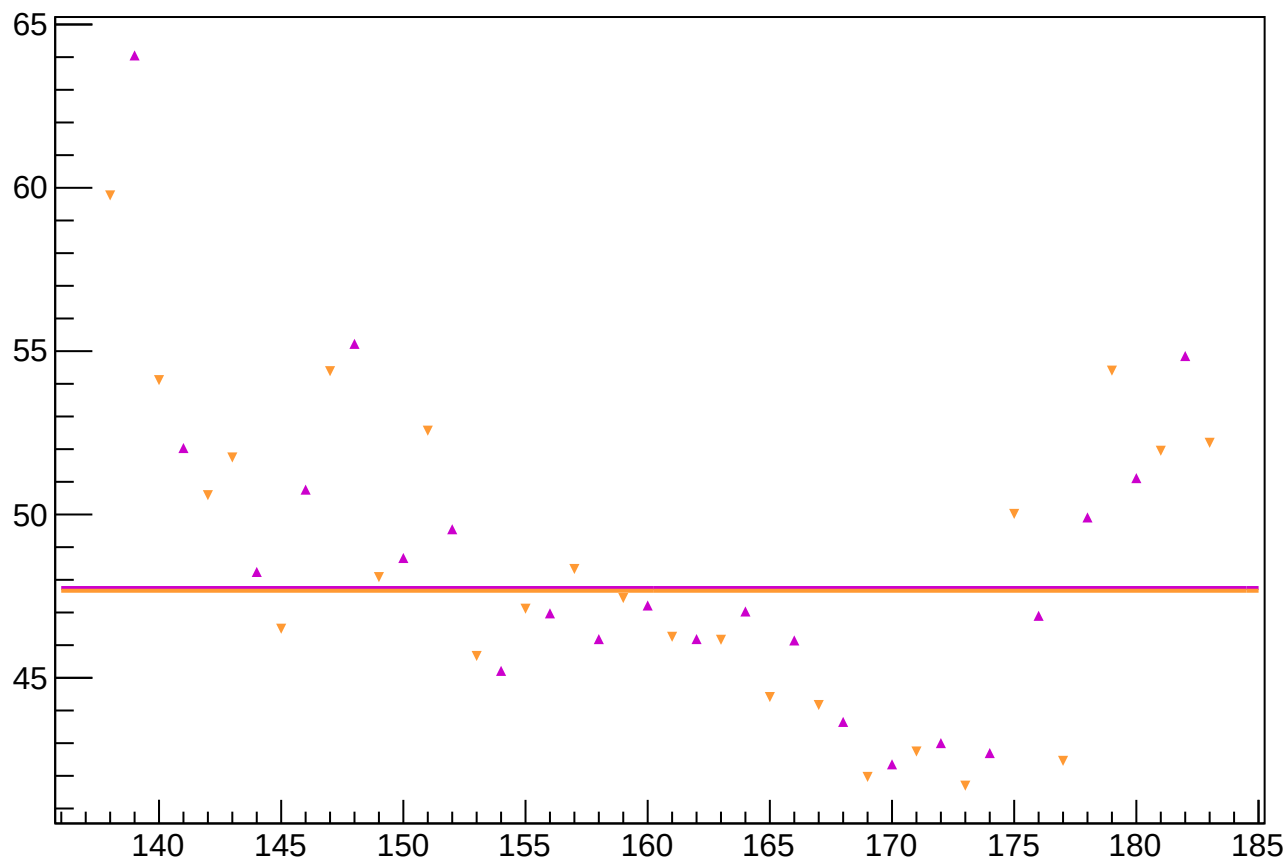
Left In: -43.253+/-11.601 χ^2/NDF :21.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.677+/-8.076 χ^2/NDF : 66.2/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 47.666+/-0.008 χ^2/NDF :306901.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

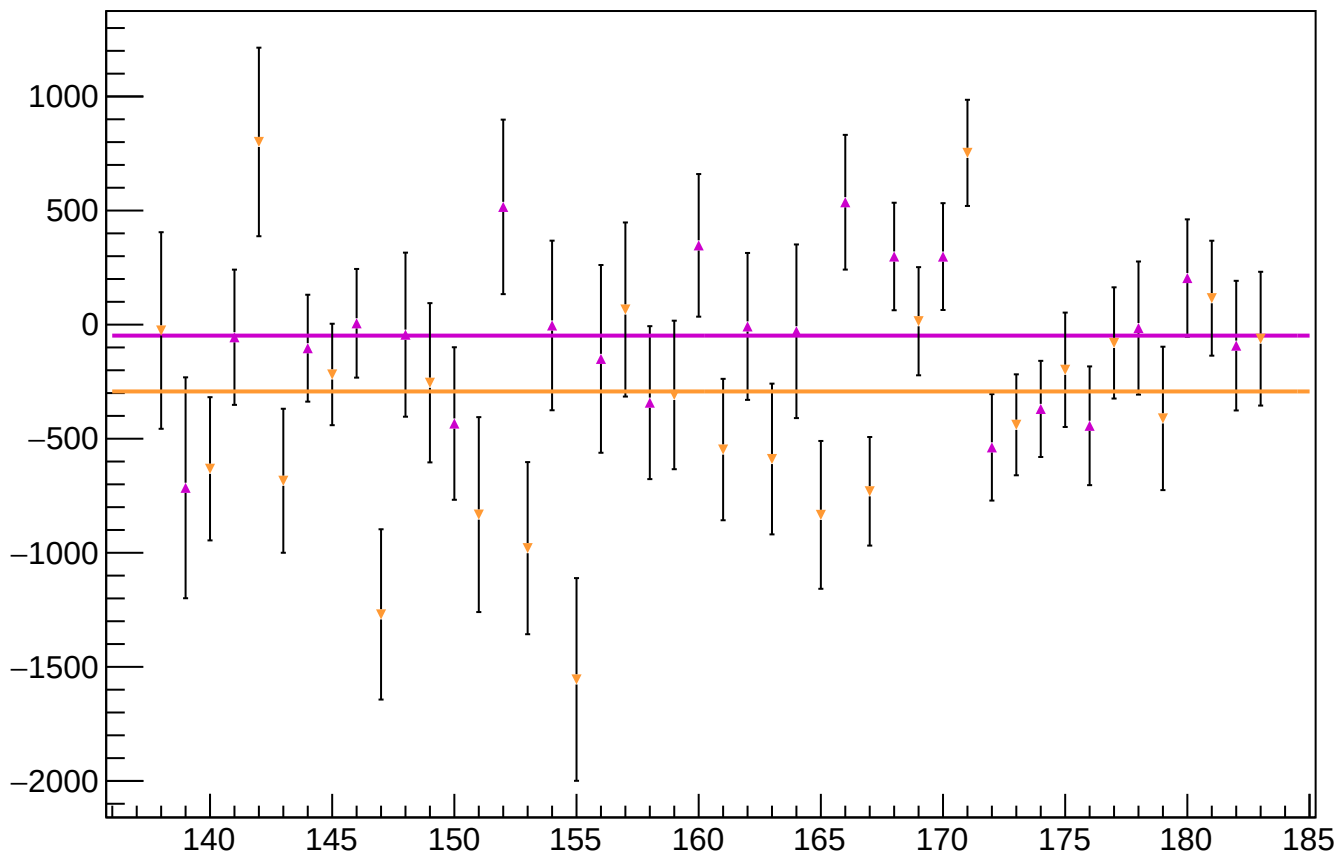
Left In: 47.749+/-0.008 χ^2/NDF :270424.9/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.706+/-0.006 χ^2/NDF : 577379.7/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -292.851+/-60.339 χ^2/NDF : 65.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

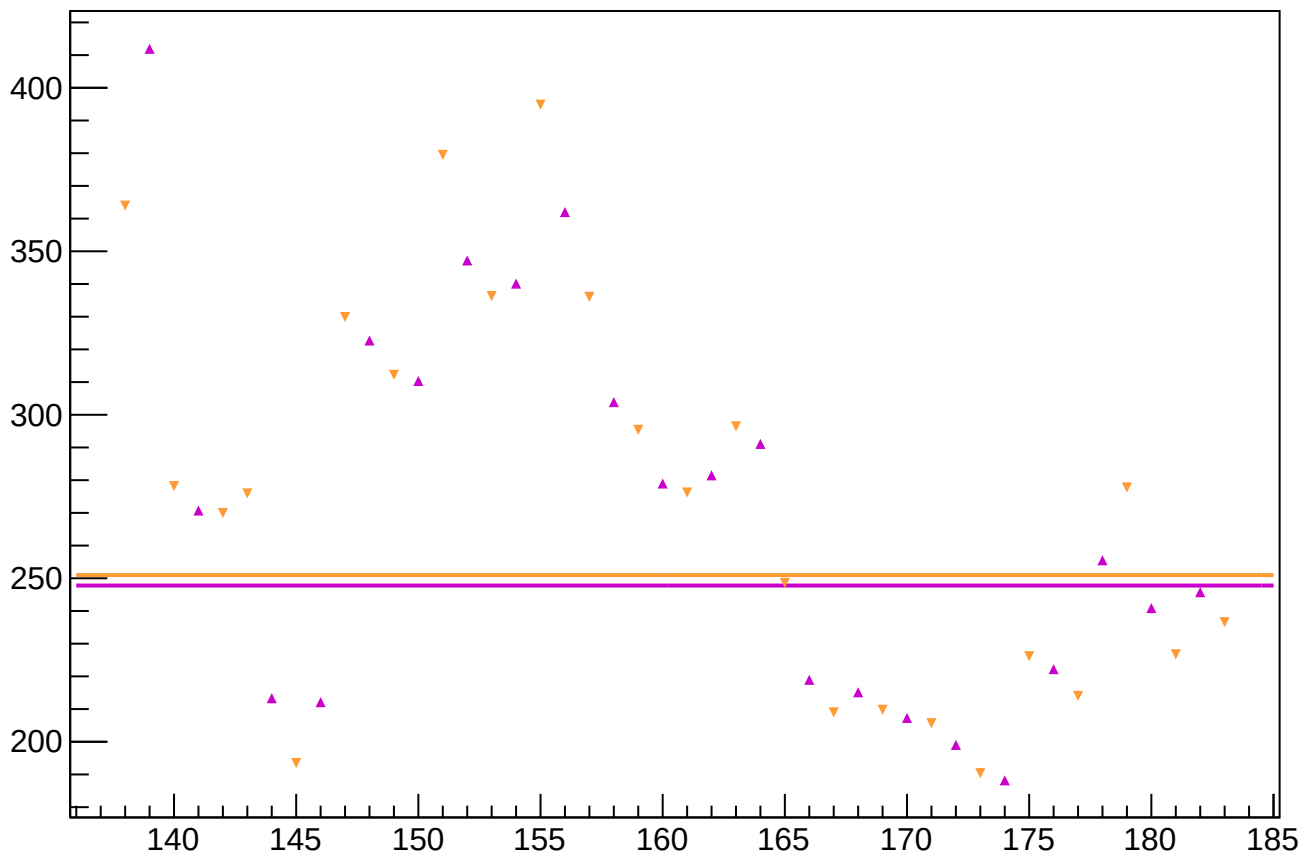
Left In: -48.129+/-61.252 χ^2/NDF : 26.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -172.329+/-42.985 χ^2/NDF : 99.6/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 250.983+/-0.043 χ^2/NDF :1587135.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

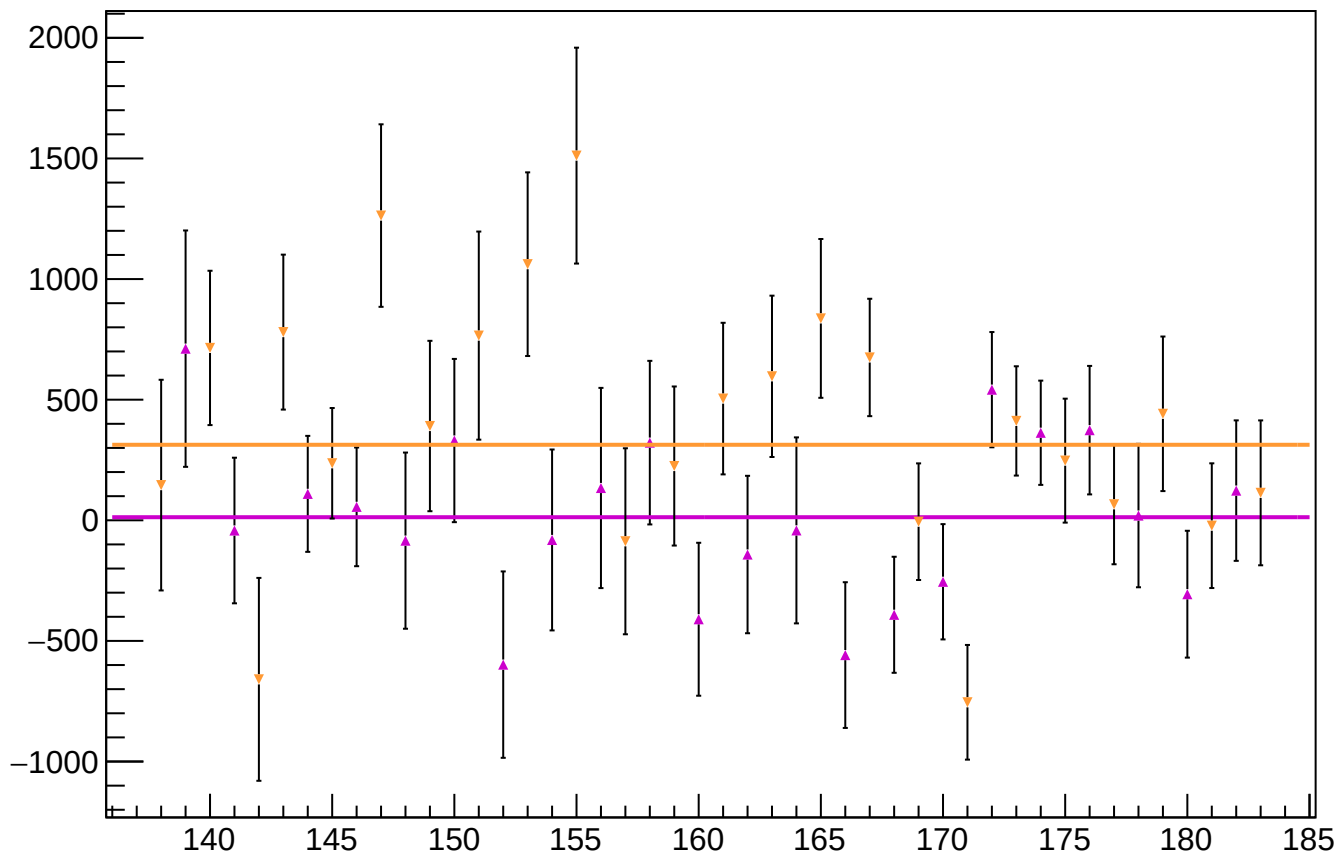
Left In: 247.782+/-0.043 χ^2/NDF :1410242.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 249.407+/-0.030 χ^2/NDF : 3000150.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 313.062+/-61.518 χ^2/NDF :60.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

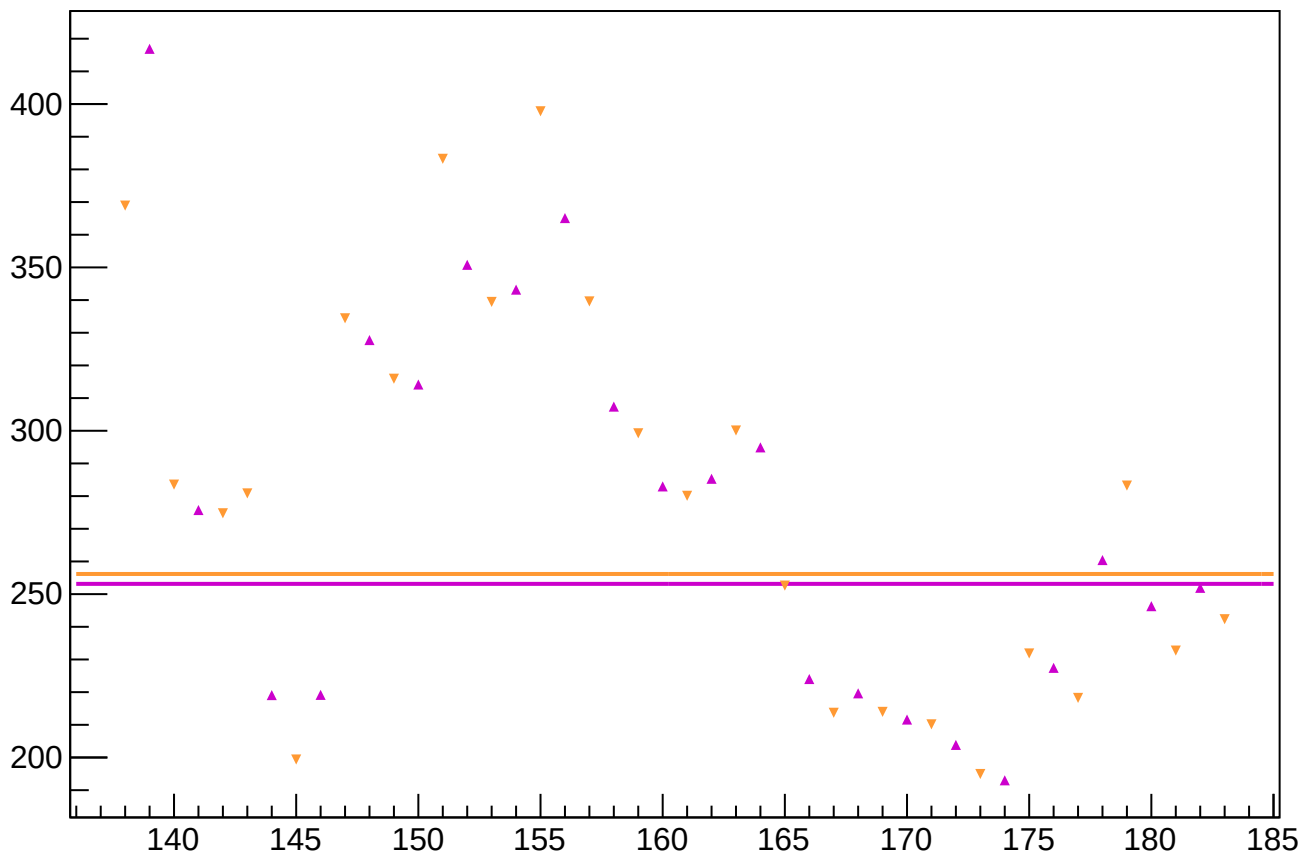
Left In: 12.818+/-62.505 χ^2/NDF :27.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 165.331+/-43.845 χ^2/NDF : 99.3/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 256.170+/-0.043 χ^2/NDF :1515470.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

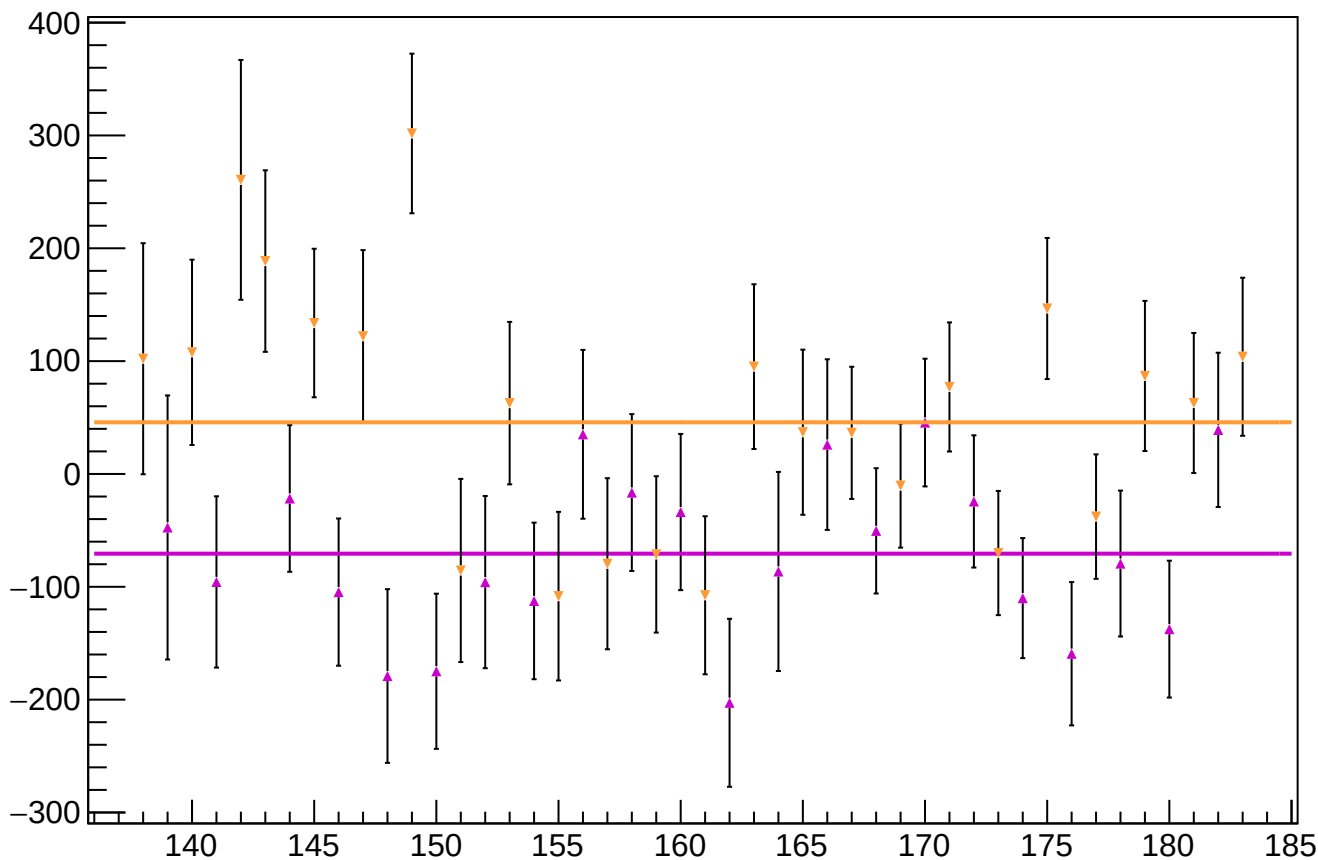
Left In: 253.142+/-0.044 χ^2/NDF :1340981.9/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 254.680+/-0.031 χ^2/NDF : 2858836.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 45.791 $\pm$ 13.995 χ^2 /NDF:53.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

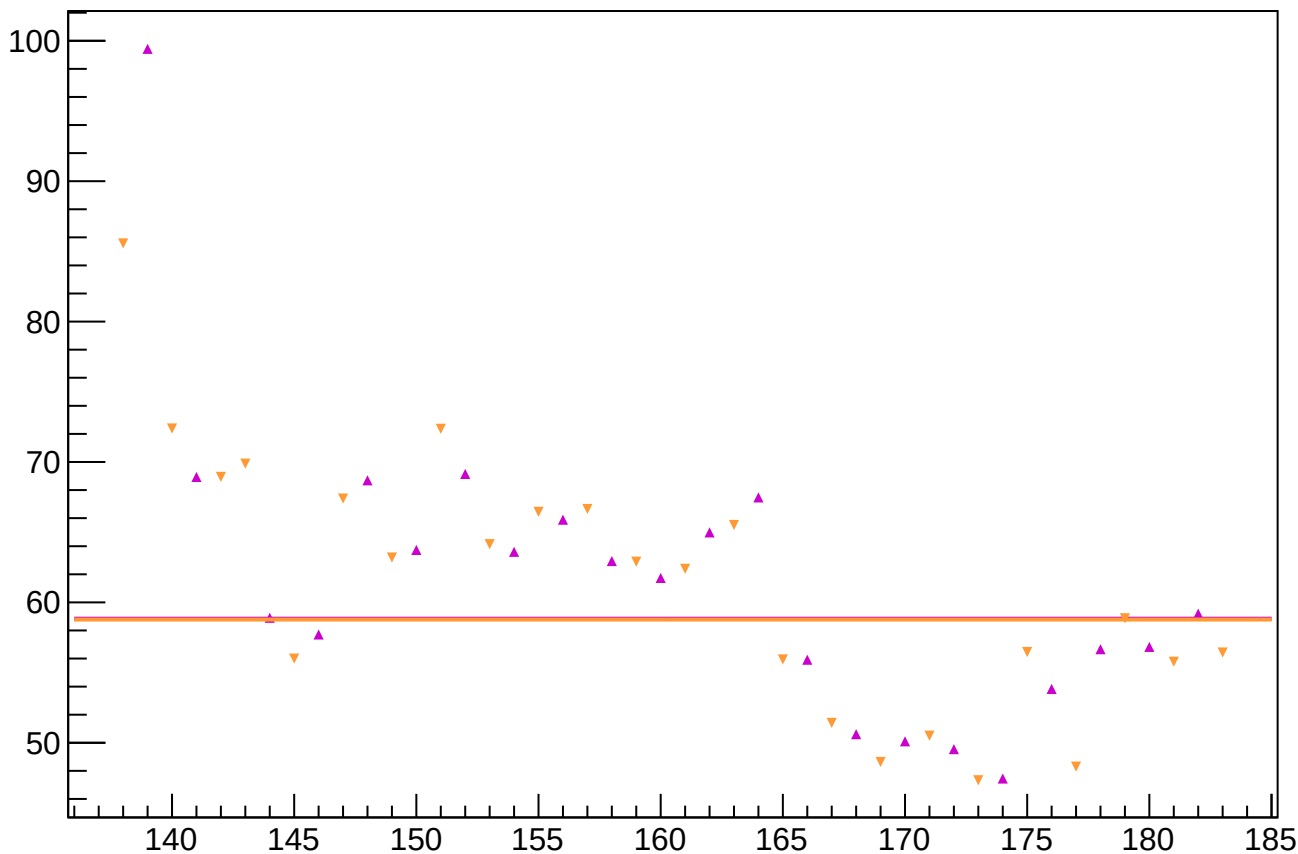
Left In: -70.633 $\pm$ 14.417 χ^2 /NDF:24.7/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -10.691 $\pm$ 10.042 χ^2 /NDF: 111.9/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_3726_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 58.777+/-0.010 χ^2/NDF : 737210.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

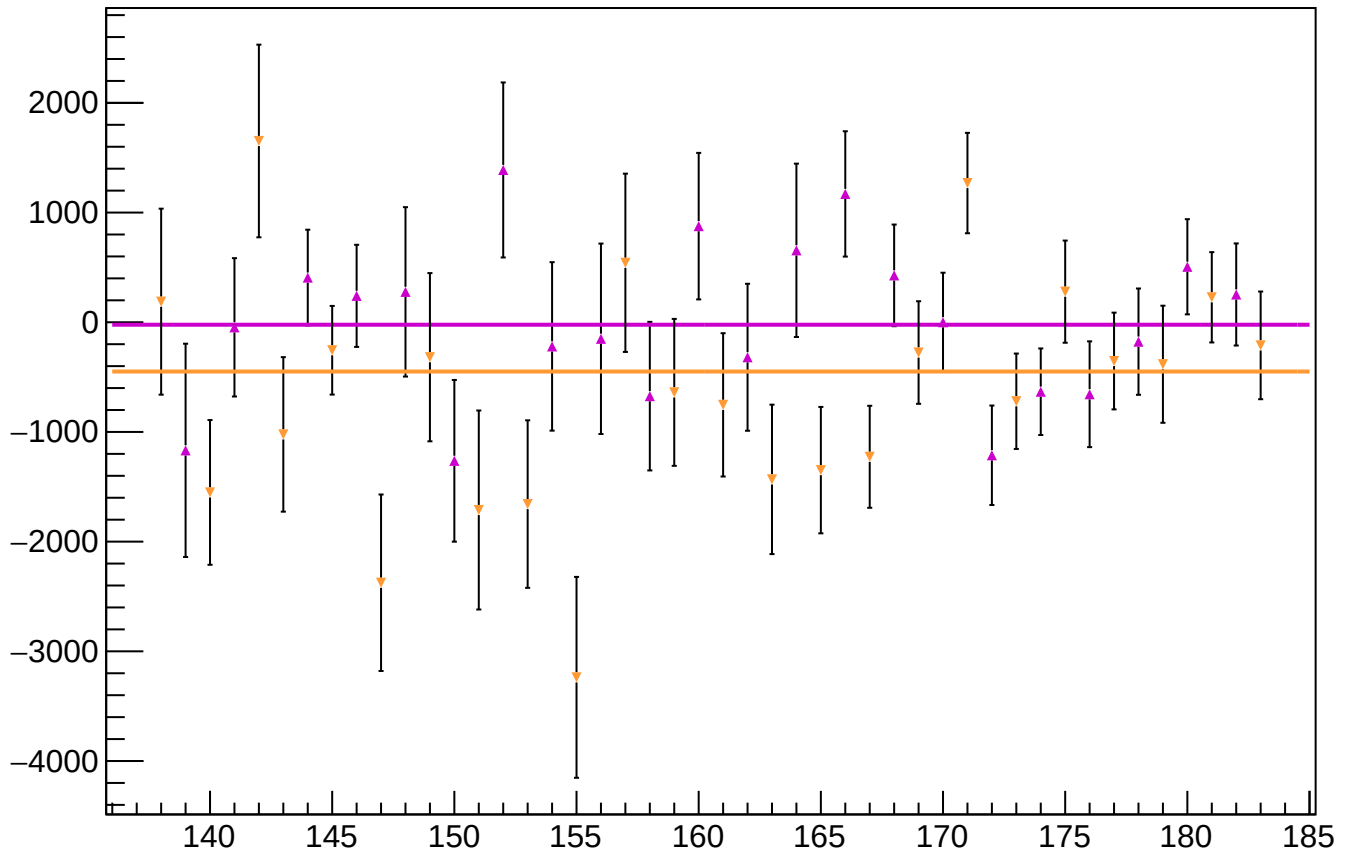
Left In: 58.838+/-0.010 χ^2/NDF : 679923.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 58.807+/-0.007 χ^2/NDF : 1417152.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -449.268+/-116.000 χ^2/NDF : 58.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

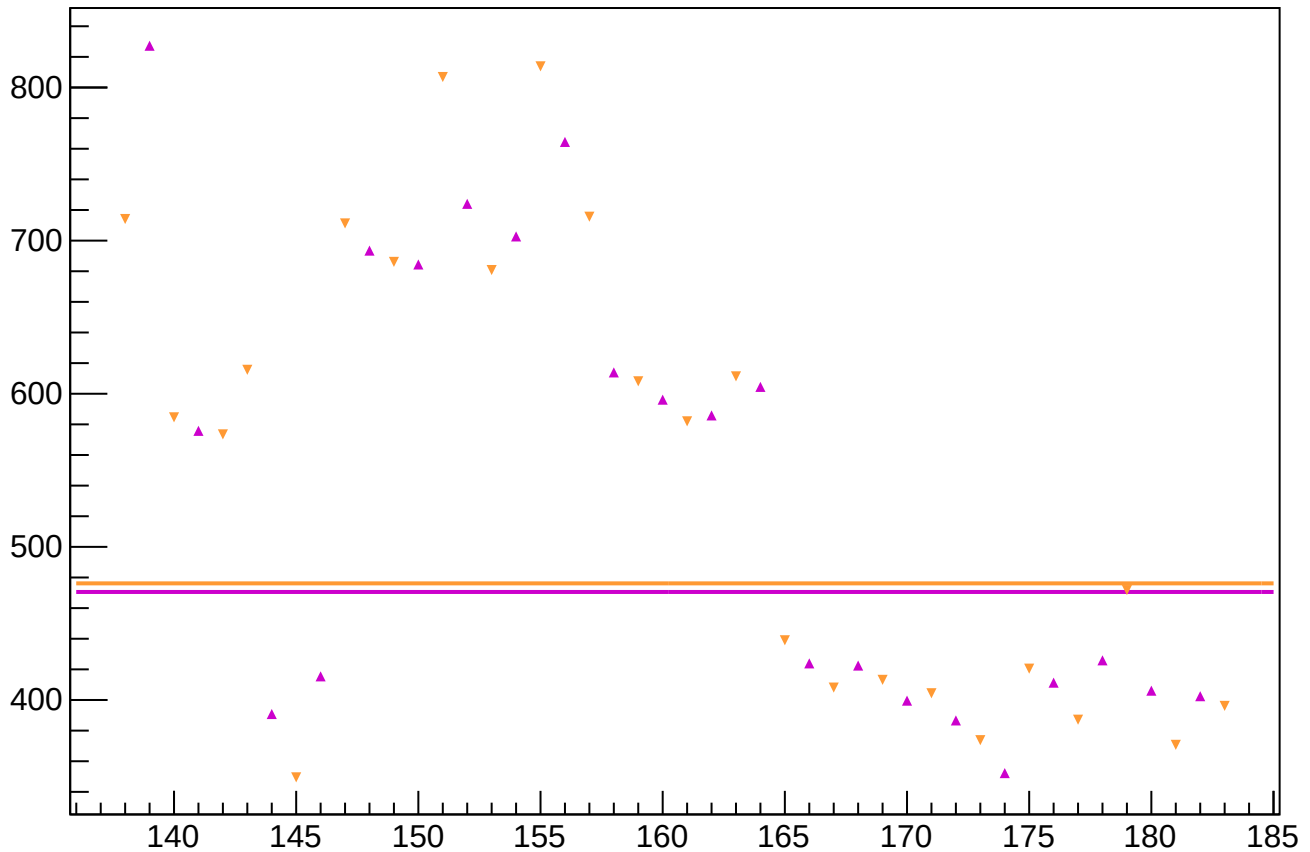
Left In: -22.617+/-117.681 χ^2/NDF : 30.8/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -239.010+/-82.612 χ^2/NDF : 96.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 476.166+/-0.082 χ^2/NDF :2437645.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

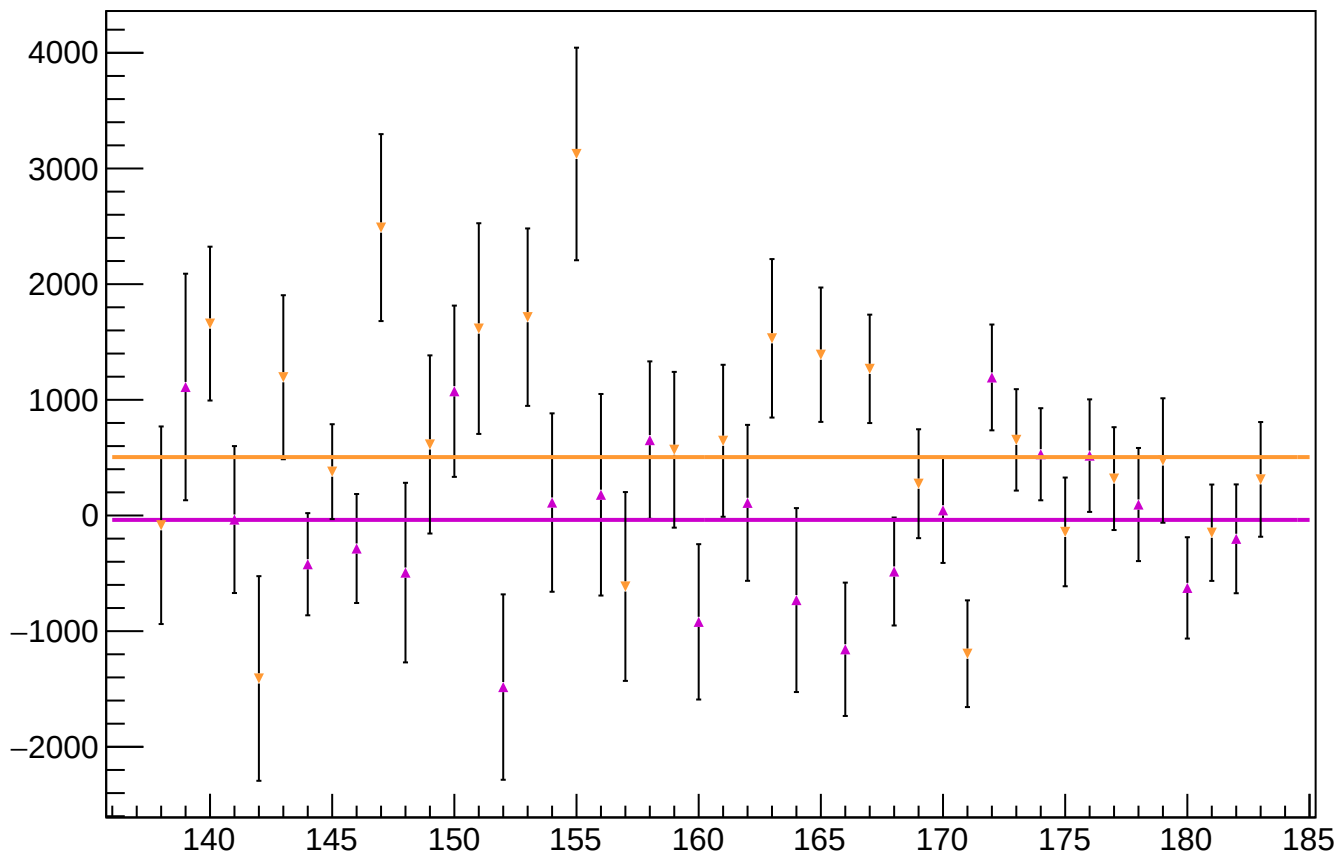
Left In: 470.548+/-0.083 χ^2/NDF :2112559.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 473.397+/-0.058 χ^2/NDF : 4552516.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 504.877 ± 116.951 χ^2/NDF : 55.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

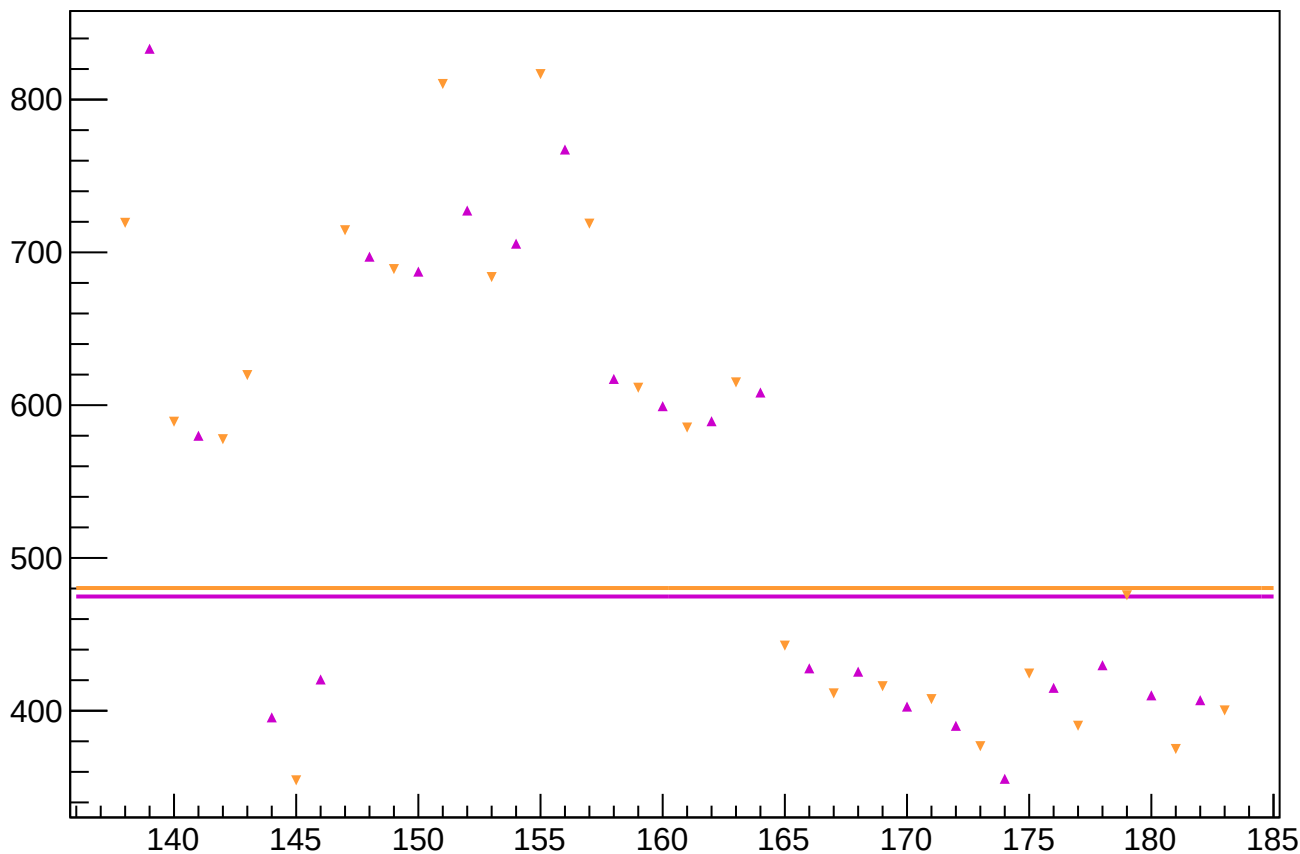
Left In: -38.049 ± 118.678 χ^2/NDF : 29.2/21

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: 237.393 ± 83.301 χ^2/NDF : 95.0/45

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 480.322+/-0.083 χ^2/NDF :2401986.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

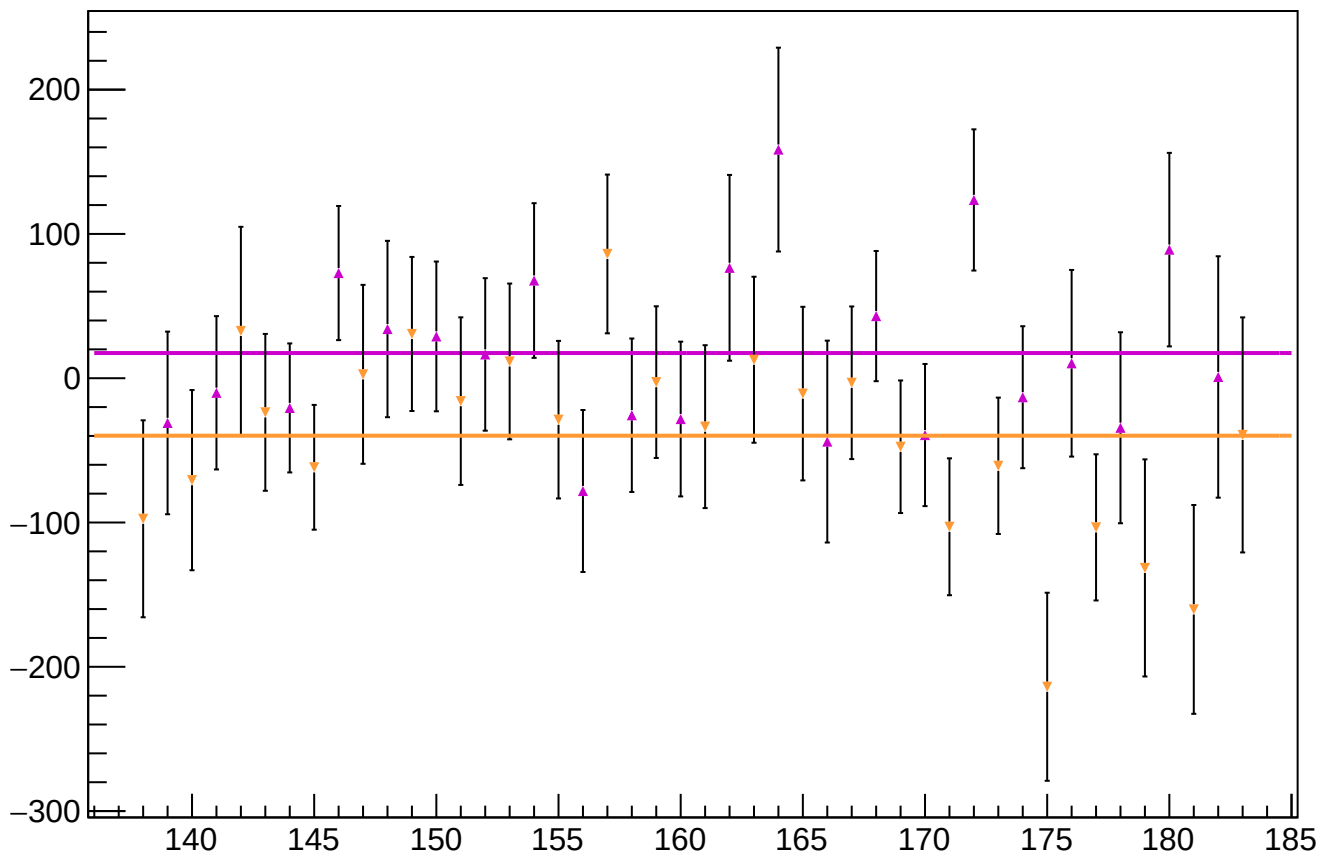
Left In: 474.769+/-0.084 χ^2/NDF :2082866.2/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 477.586+/-0.059 χ^2/NDF : 4487074.0/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -39.843+/-11.490 χ^2/NDF : 27.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

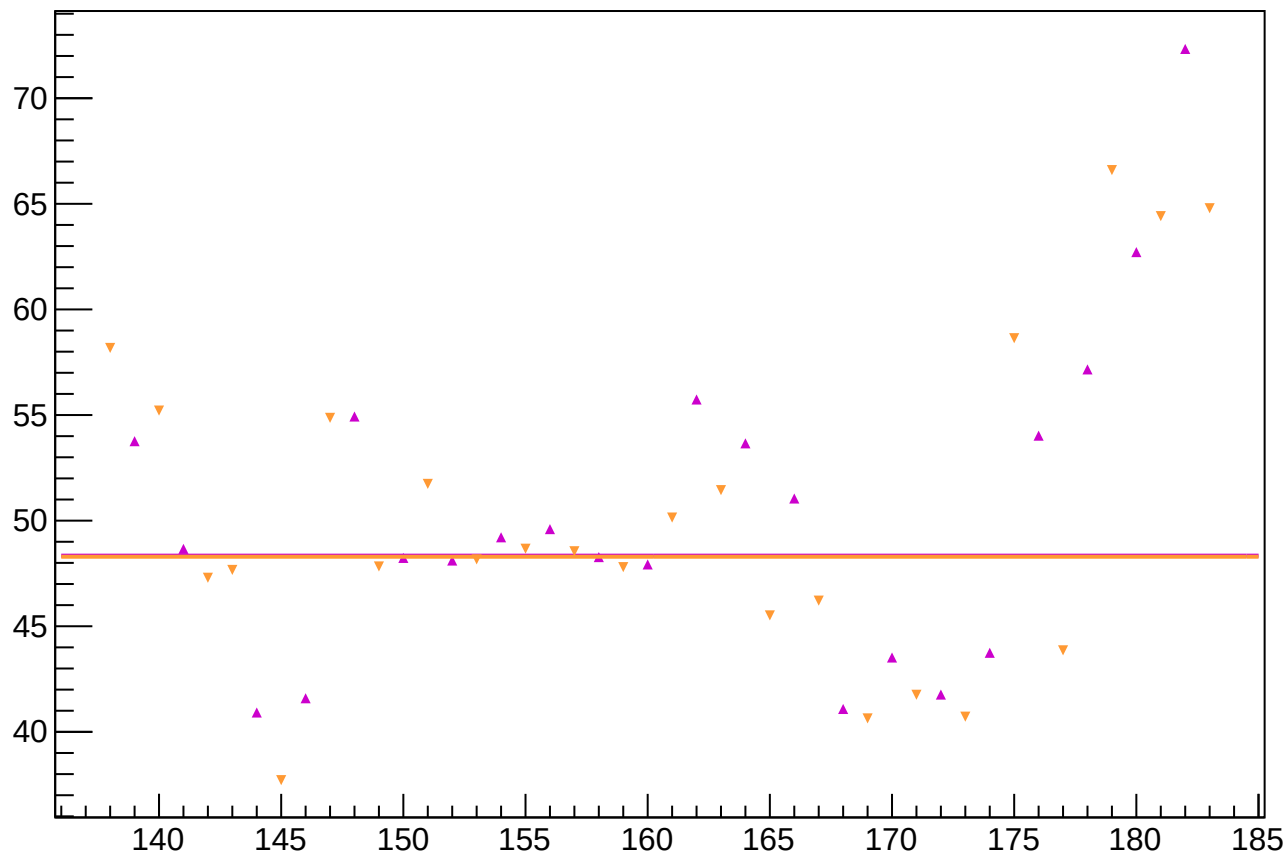
Left In: 17.451+/-11.832 χ^2/NDF : 22.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.034+/-8.243 χ^2/NDF : 62.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 48.292+/-0.008 χ^2/NDF : 742706.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

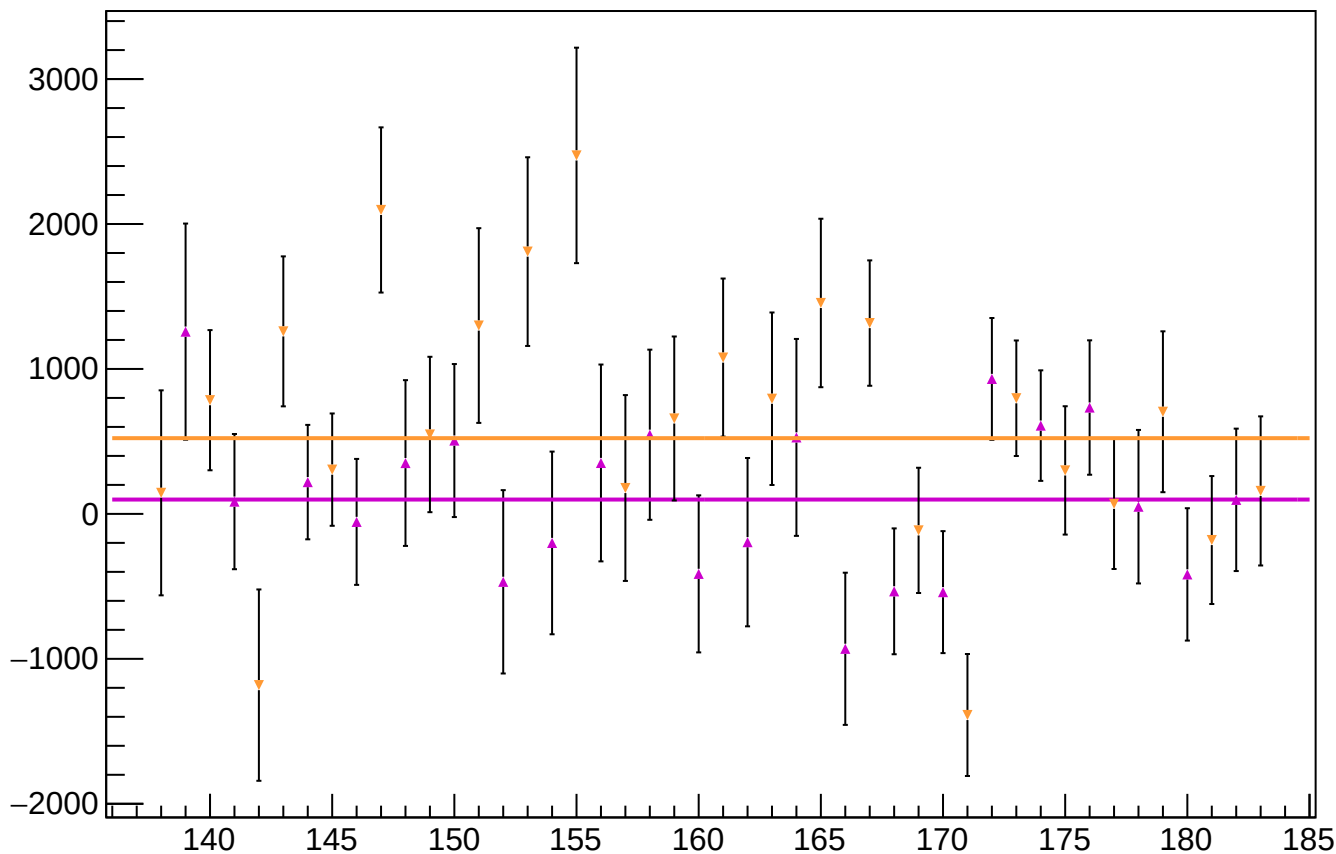
Left In: 48.342+/-0.008 χ^2/NDF : 609547.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 48.317+/-0.006 χ^2/NDF : 1352272.7/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 522.427 $\pm$ 104.560 χ^2 /NDF:64.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

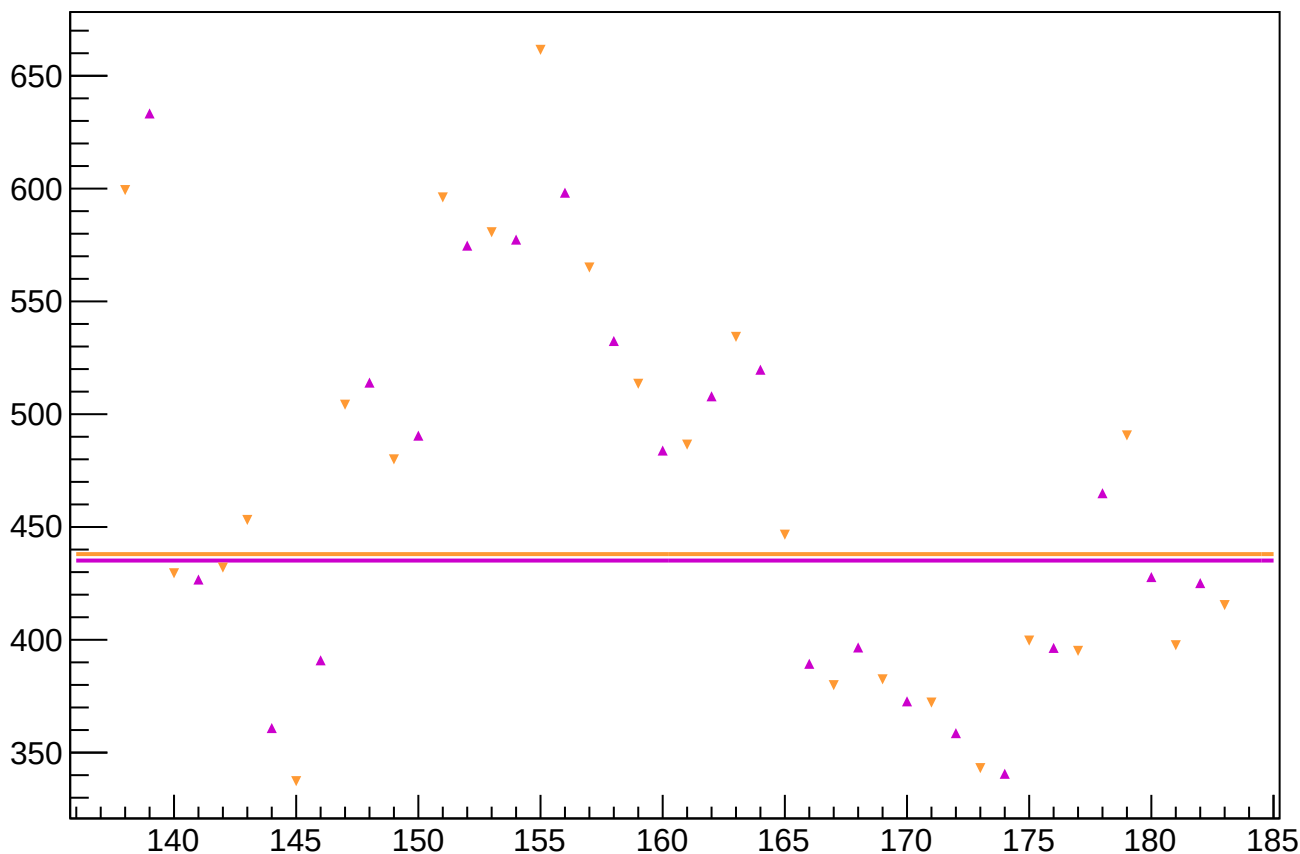
Left In: 98.943 $\pm$ 106.805 χ^2 /NDF:23.9/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 315.183 $\pm$ 74.716 χ^2 /NDF: 96.5/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 437.982+/-0.074 χ^2/NDF :1154487.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

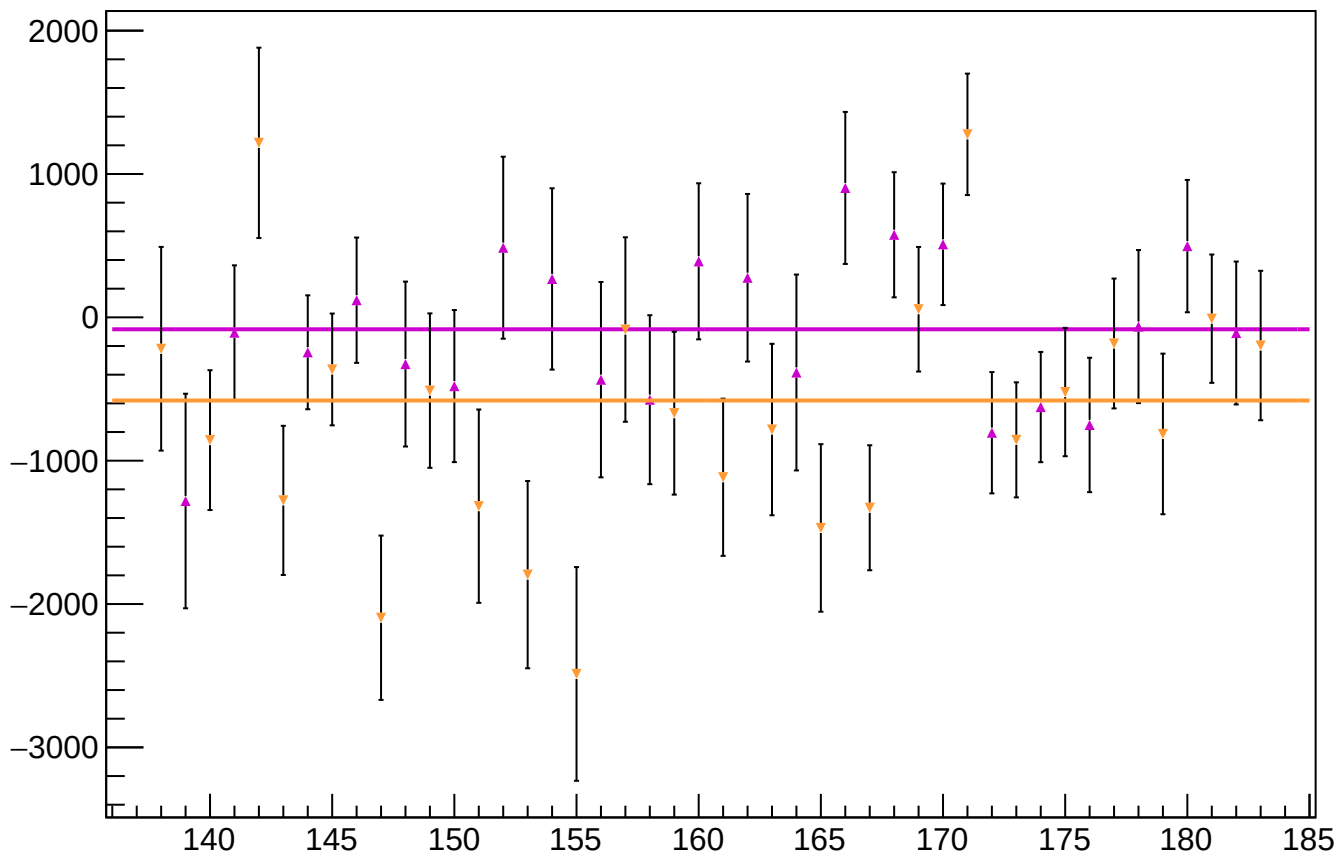
Left In: 435.126+/-0.076 χ^2/NDF :1027474.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 436.584+/-0.053 χ^2/NDF : 2182692.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -580.086 $\pm$ 105.307 χ^2 /NDF:60.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

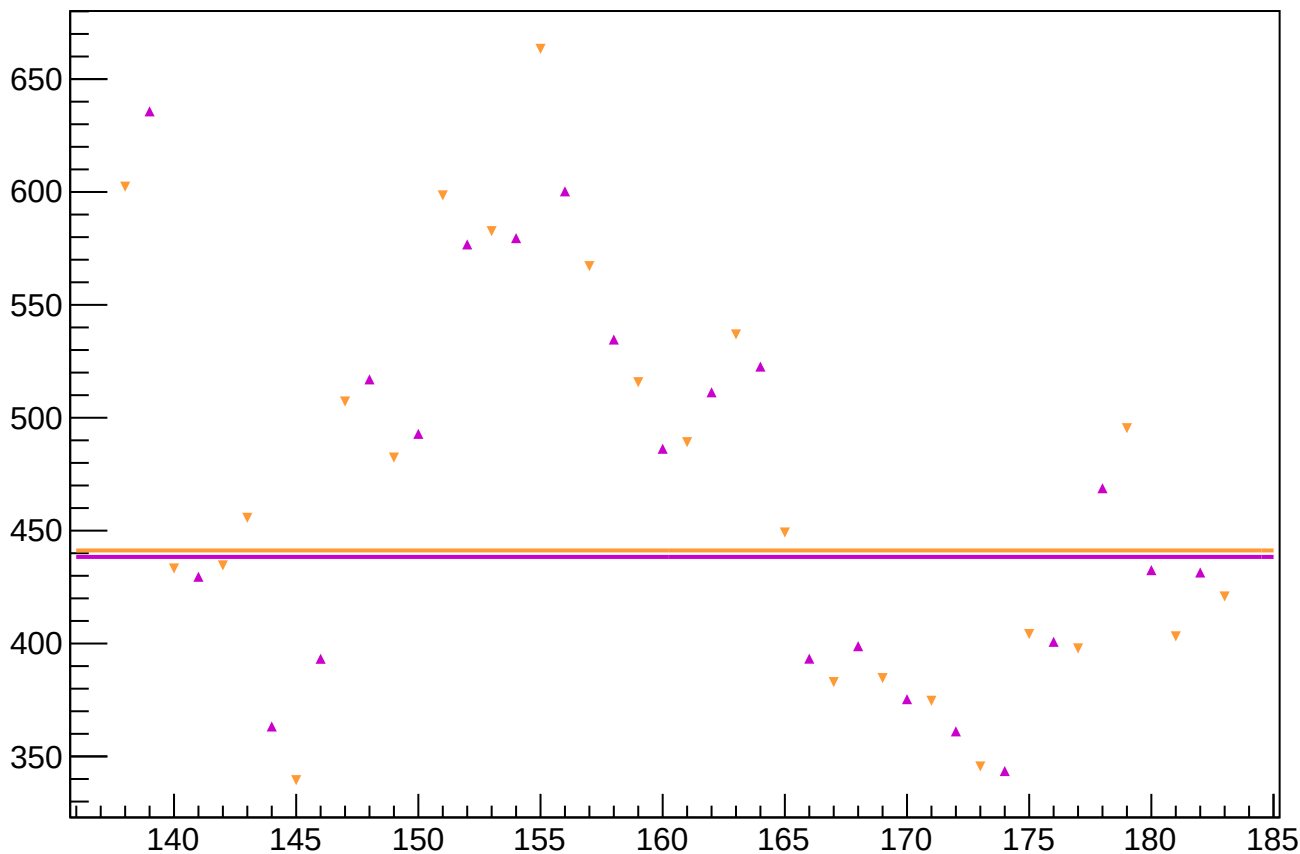
Left In: -83.281 $\pm$ 107.572 χ^2 /NDF:23.3/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -336.970 $\pm$ 75.251 χ^2 /NDF: 94.3/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_sam_15_48_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 441.220+/-0.074 χ^2/NDF :1138458.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

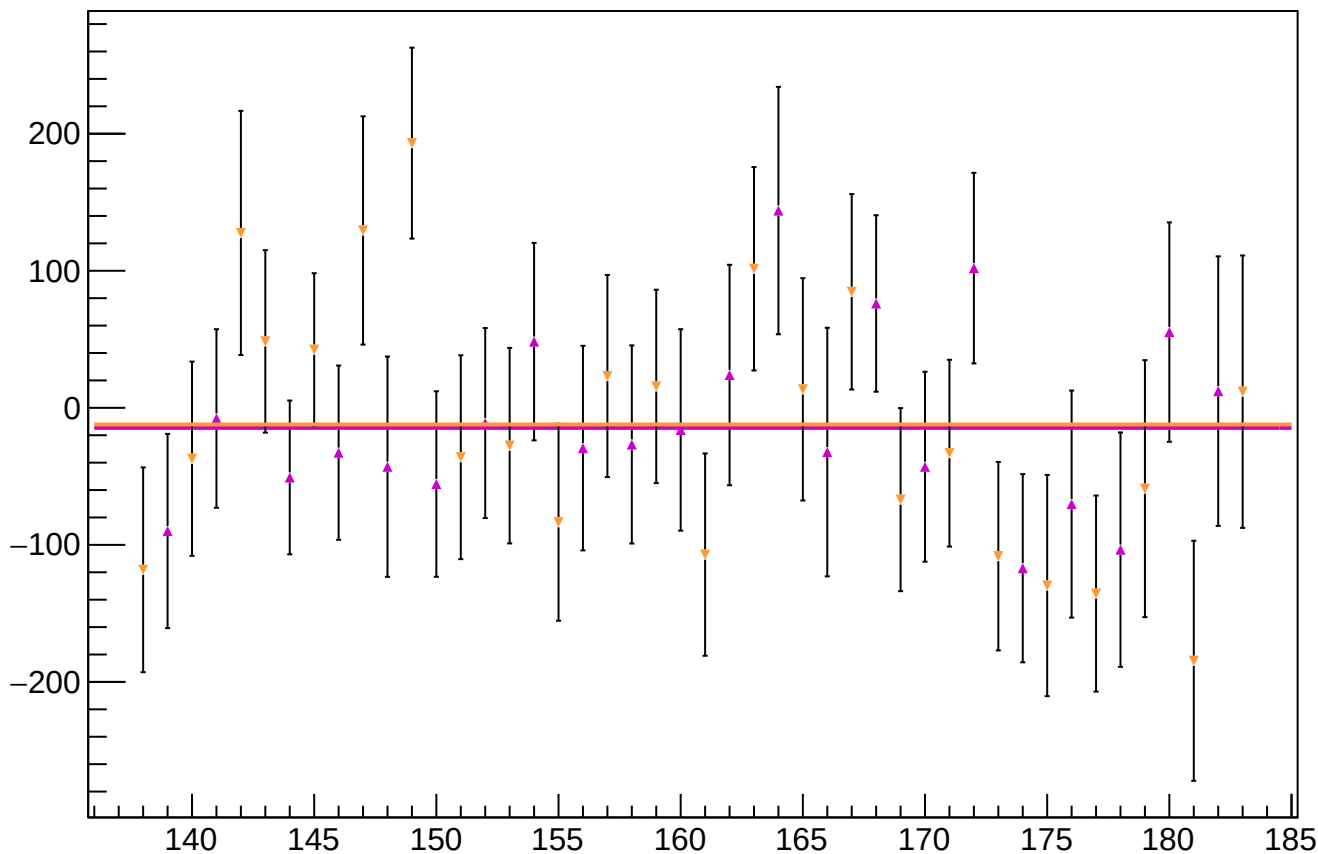
Left In: 438.354+/-0.076 χ^2/NDF :1012666.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 439.818+/-0.053 χ^2/NDF : 2151850.3/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -12.147 $\pm$ 15.046 χ^2 /NDF:37.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

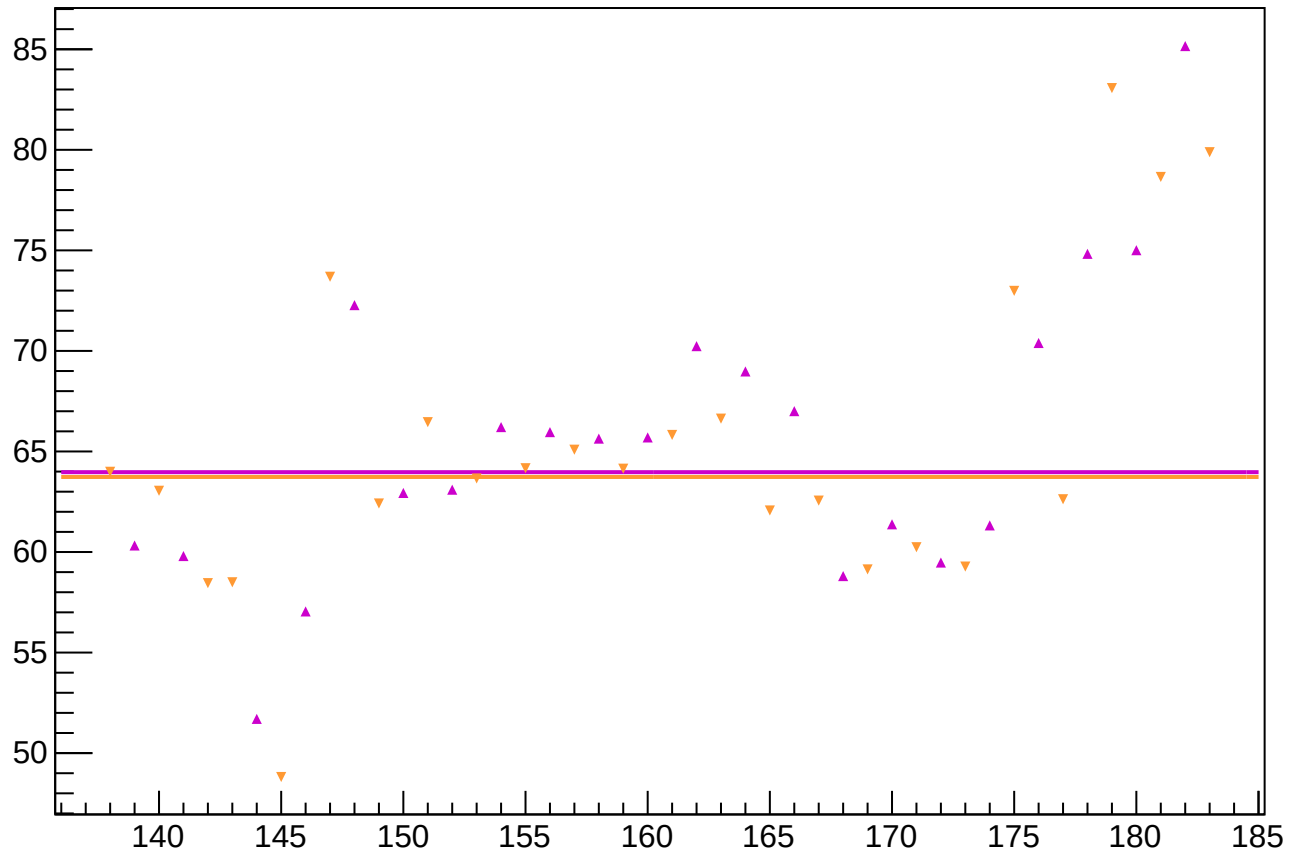
Left In: -14.617 $\pm$ 15.544 χ^2 /NDF:15.9/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -13.342 $\pm$ 10.811 χ^2 /NDF: 53.3/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 63.732+/-0.011 χ^2/NDF : 447678.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

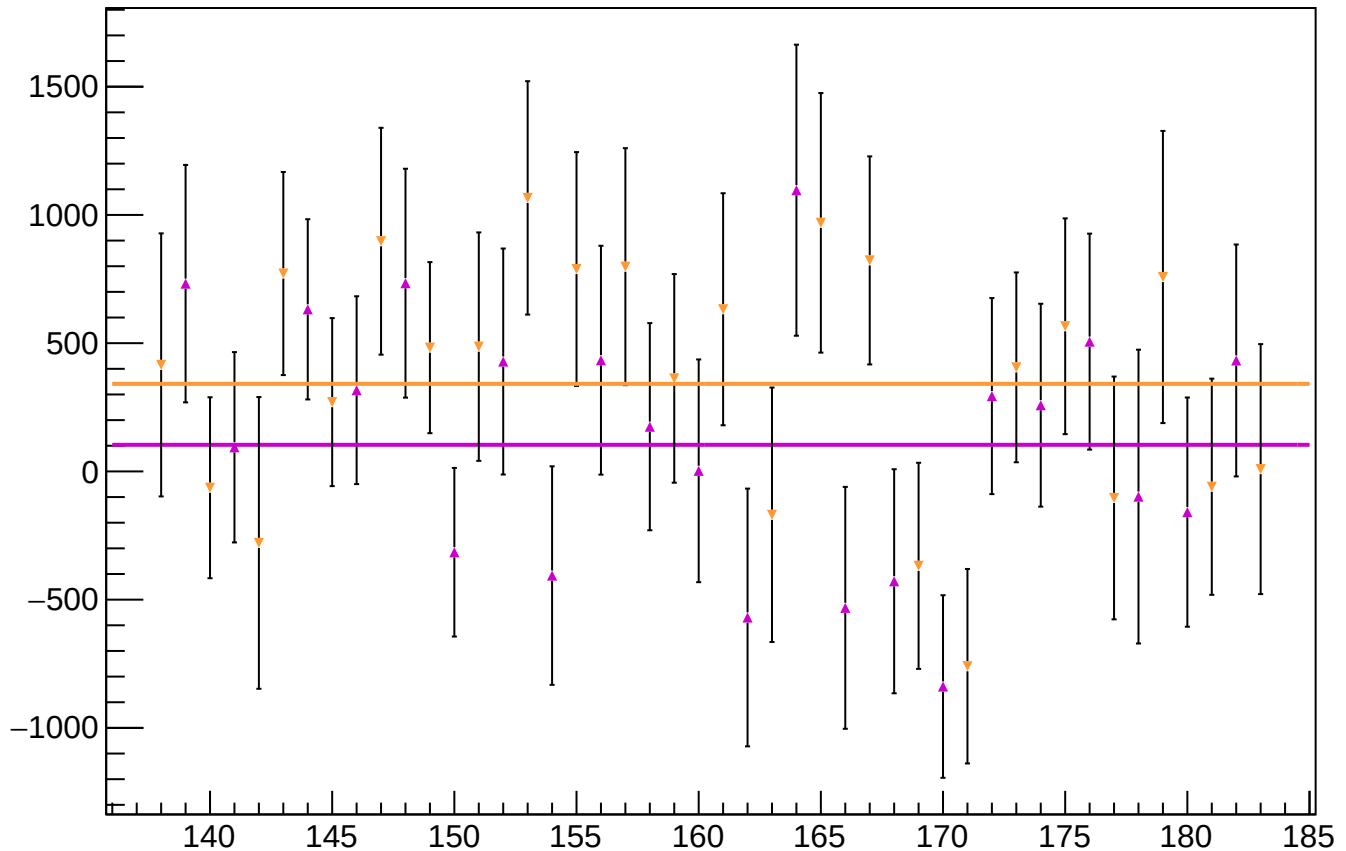
Left In: 63.970+/-0.011 χ^2/NDF : 383167.9/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 63.847+/-0.008 χ^2/NDF : 831089.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 341.454 $\pm$ 86.850 χ^2 /NDF:29.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

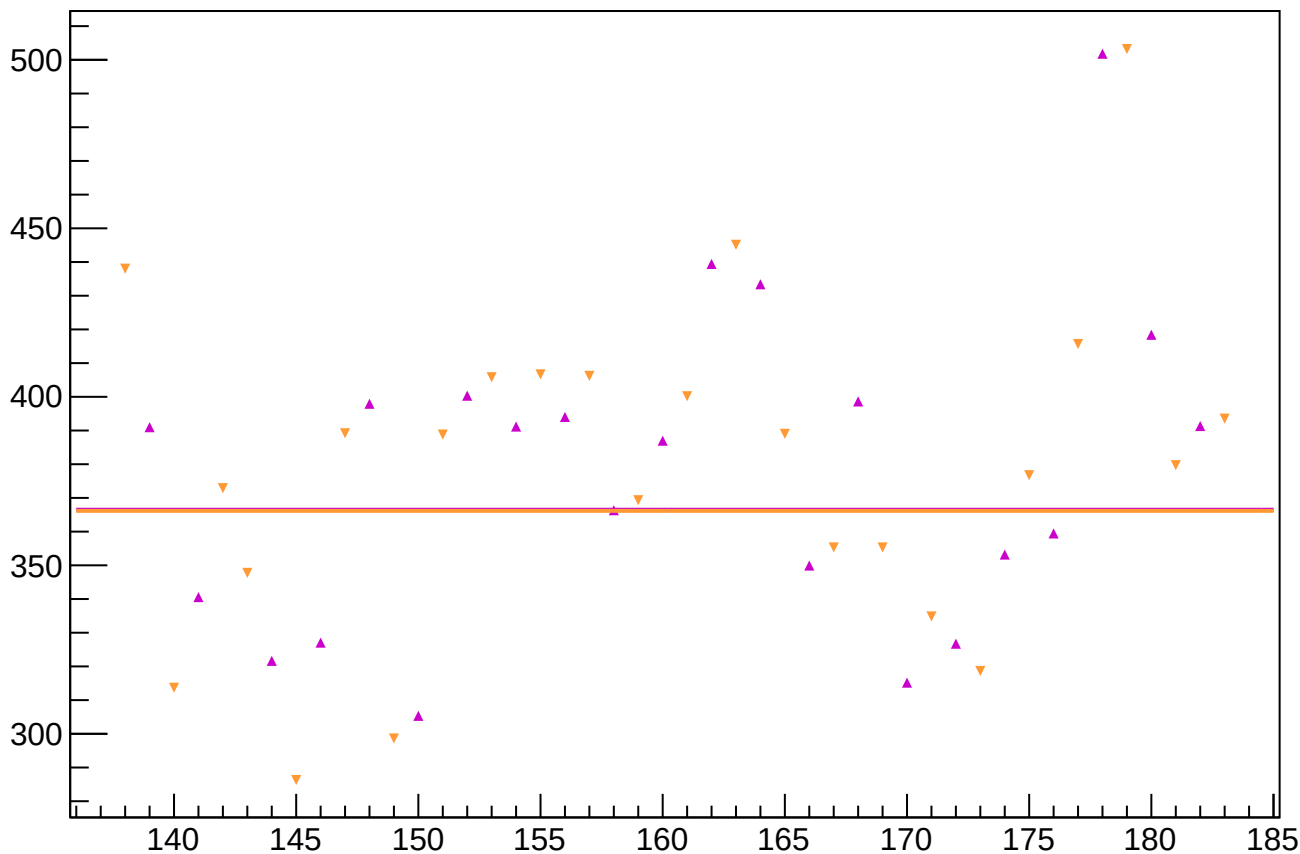
Left In: 103.746 $\pm$ 89.295 χ^2 /NDF:28.1/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 225.900 $\pm$ 62.259 χ^2 /NDF: 61.0/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 366.167+/-0.061 χ^2/NDF : 608660.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

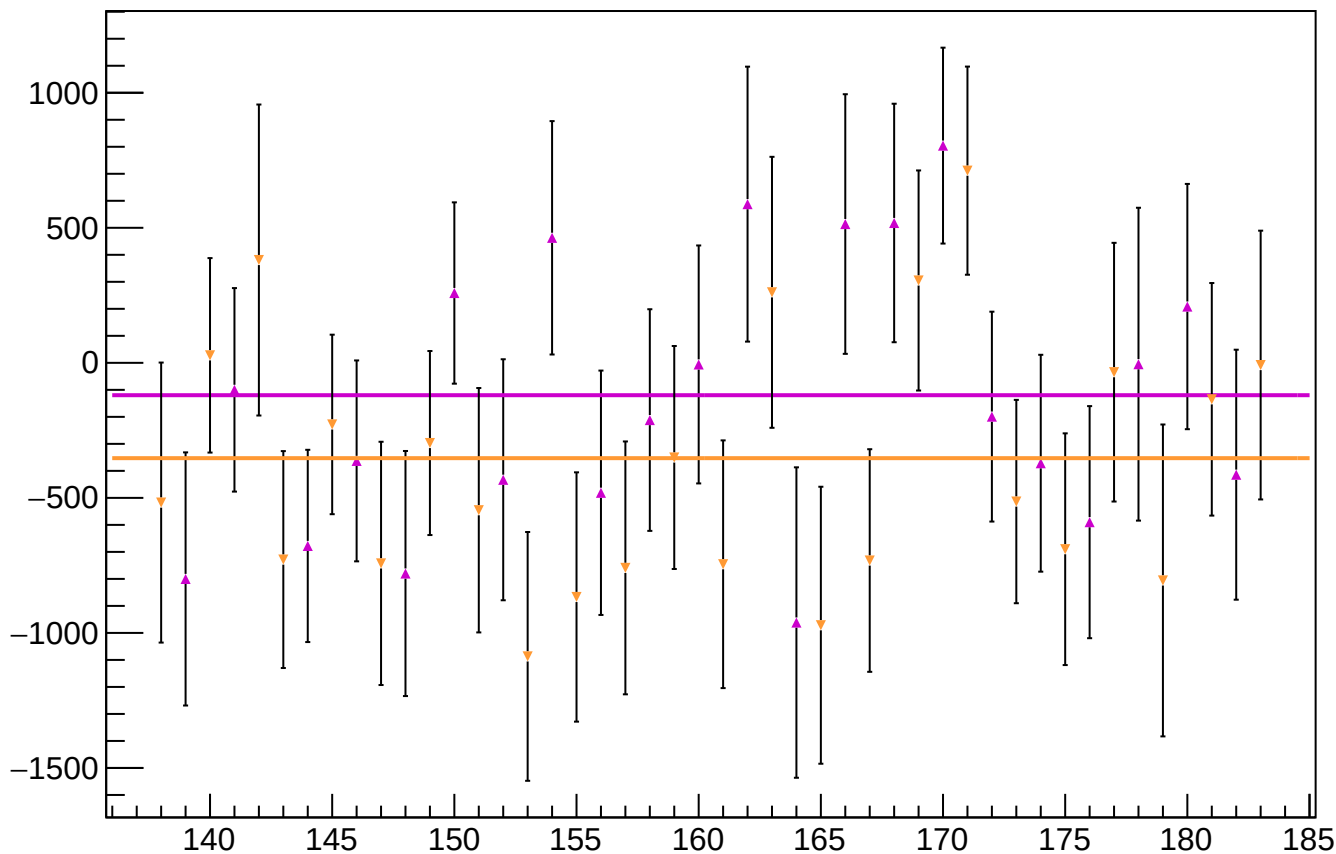
Left In: 366.495+/-0.063 χ^2/NDF : 474836.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 366.327+/-0.044 χ^2/NDF : 1083510.3/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -352.944 $\pm$ 88.238 χ^2 /NDF:26.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

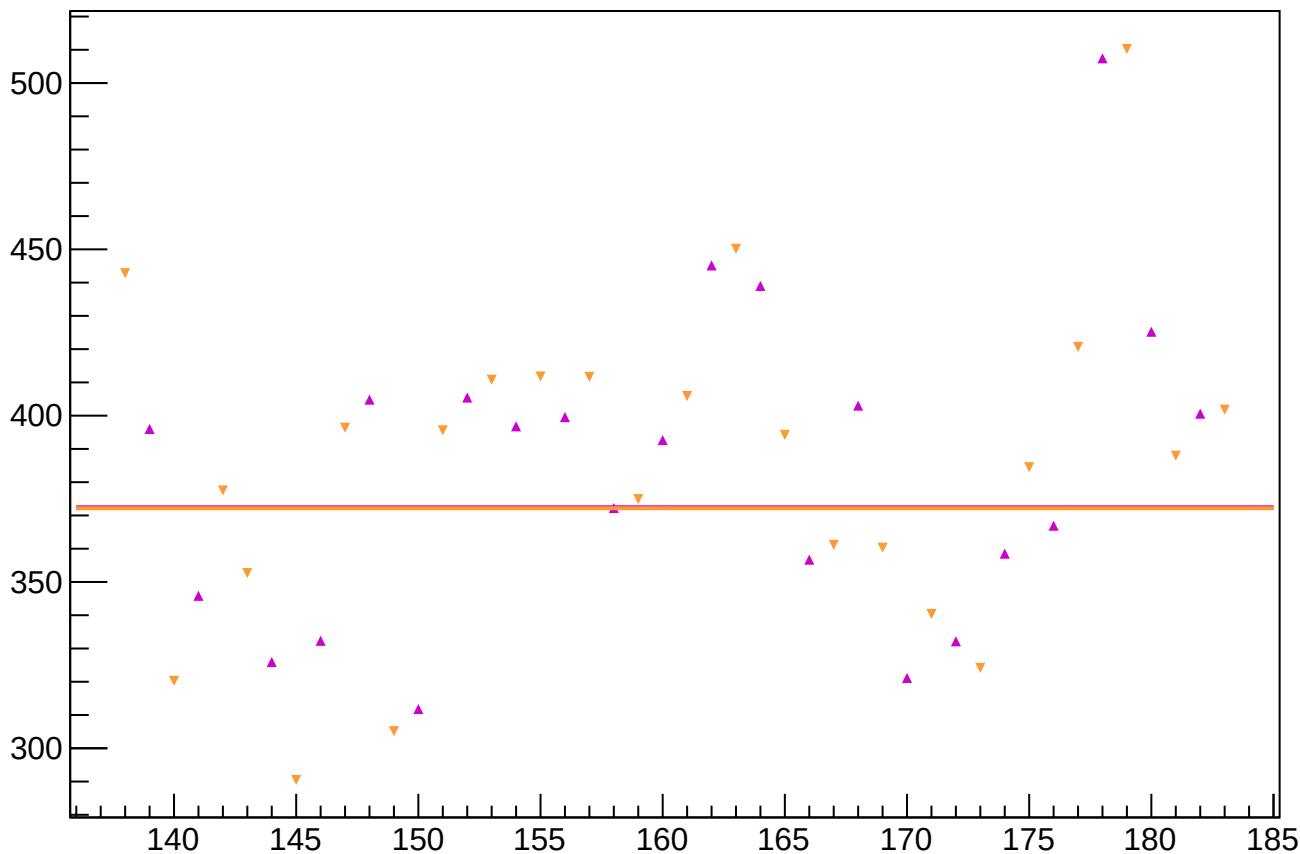
Left In: -119.821 $\pm$ 90.722 χ^2 /NDF:28.4/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -239.617 $\pm$ 63.253 χ^2 /NDF: 58.5/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_sam_37_48_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 372.167+/-0.062 χ^2/NDF : 594556.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

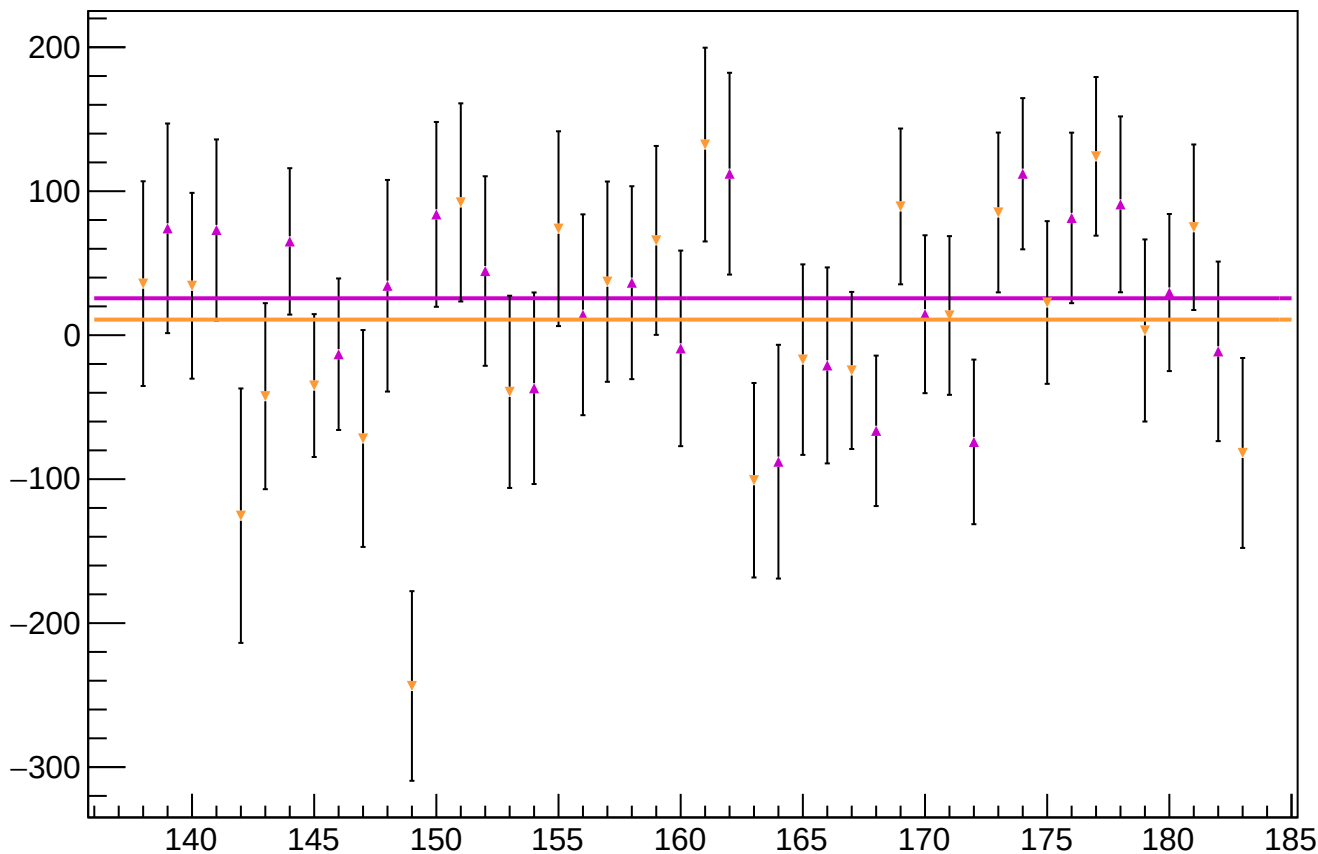
Left In: 372.458+/-0.064 χ^2/NDF : 463353.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 372.309+/-0.045 χ^2/NDF : 1057920.8/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 10.818 $\pm$ 12.766 χ^2 /NDF:42.0/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

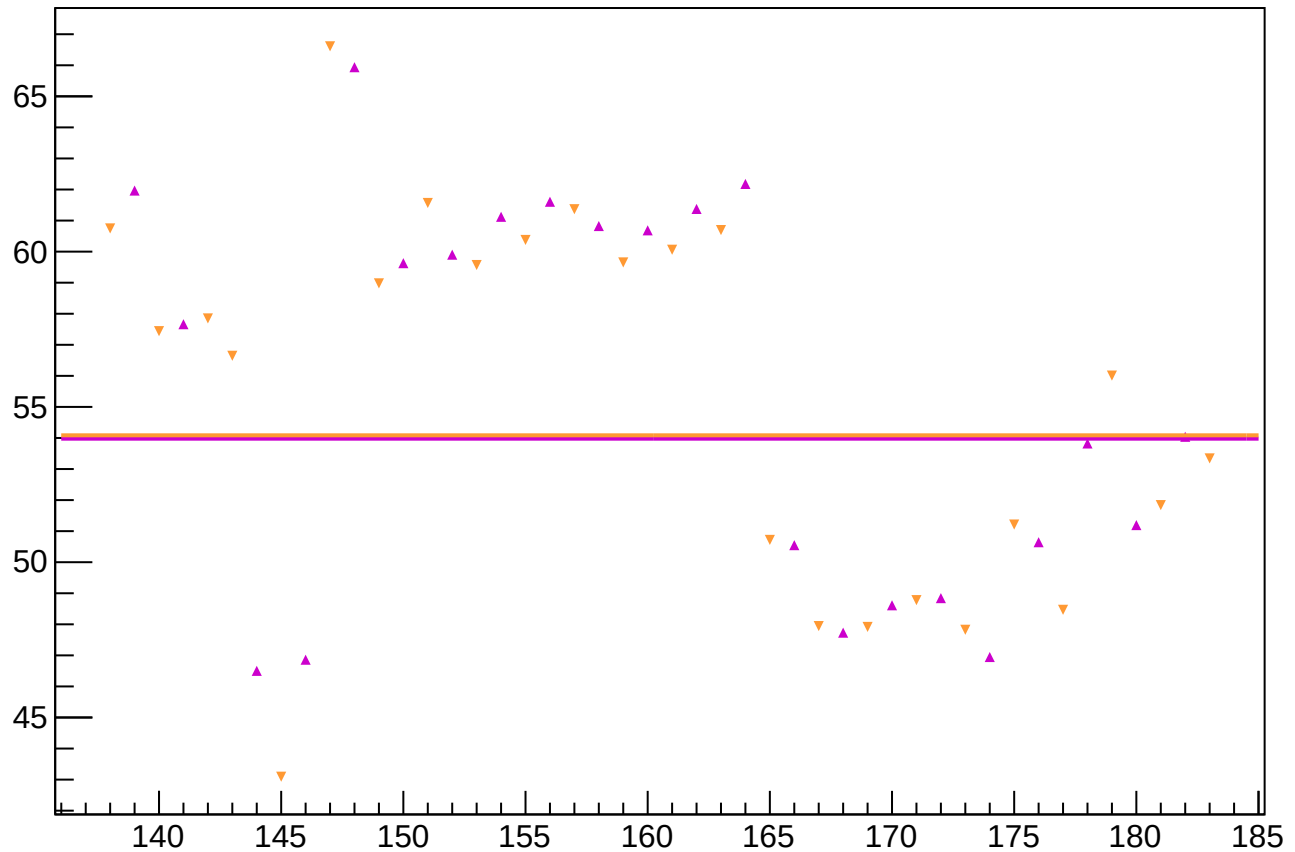
Left In: 25.624 $\pm$ 13.126 χ^2 /NDF:19.5/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 18.015 $\pm$ 9.151 χ^2 /NDF: 62.2/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 54.086+/-0.009 χ^2/NDF : 451531.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

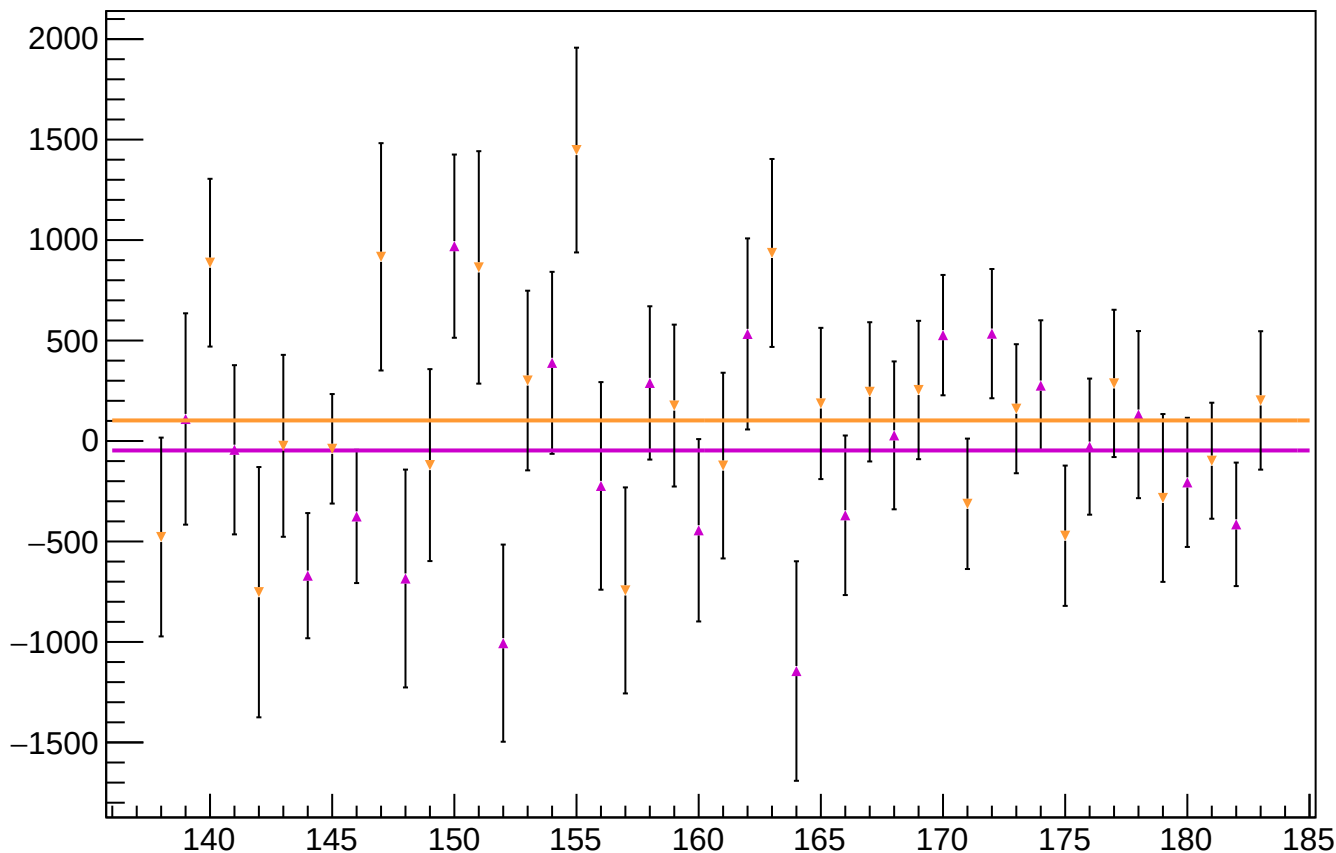
Left In: 53.978+/-0.009 χ^2/NDF : 441847.8/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 54.033+/-0.006 χ^2/NDF : 893448.5/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 102.377 $\pm$ 80.542 χ^2 /NDF:31.0/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

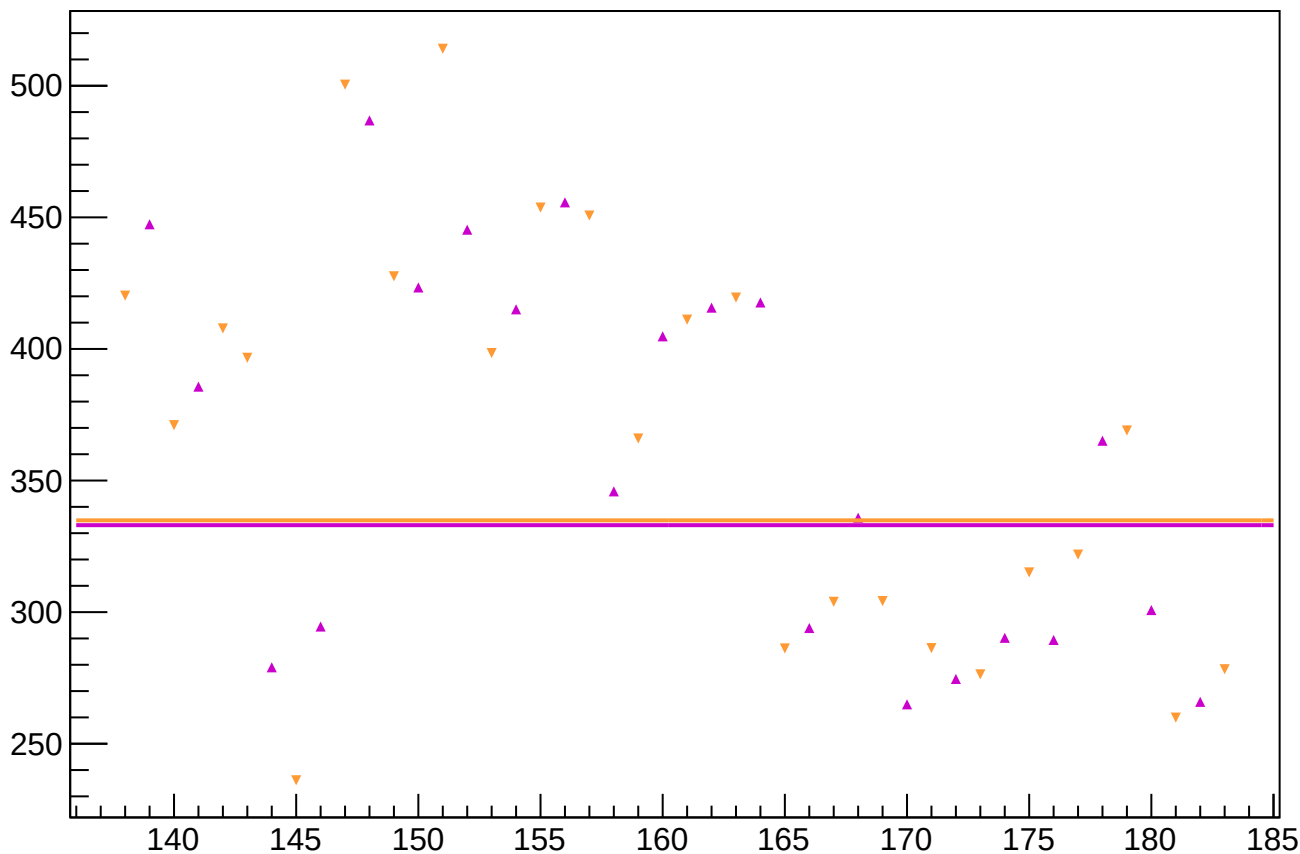
Left In: -47.063 $\pm$ 82.216 χ^2 /NDF:33.9/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 29.194 $\pm$ 57.535 χ^2 /NDF: 66.5/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 334.870+/-0.057 χ^2/NDF : 1611360.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

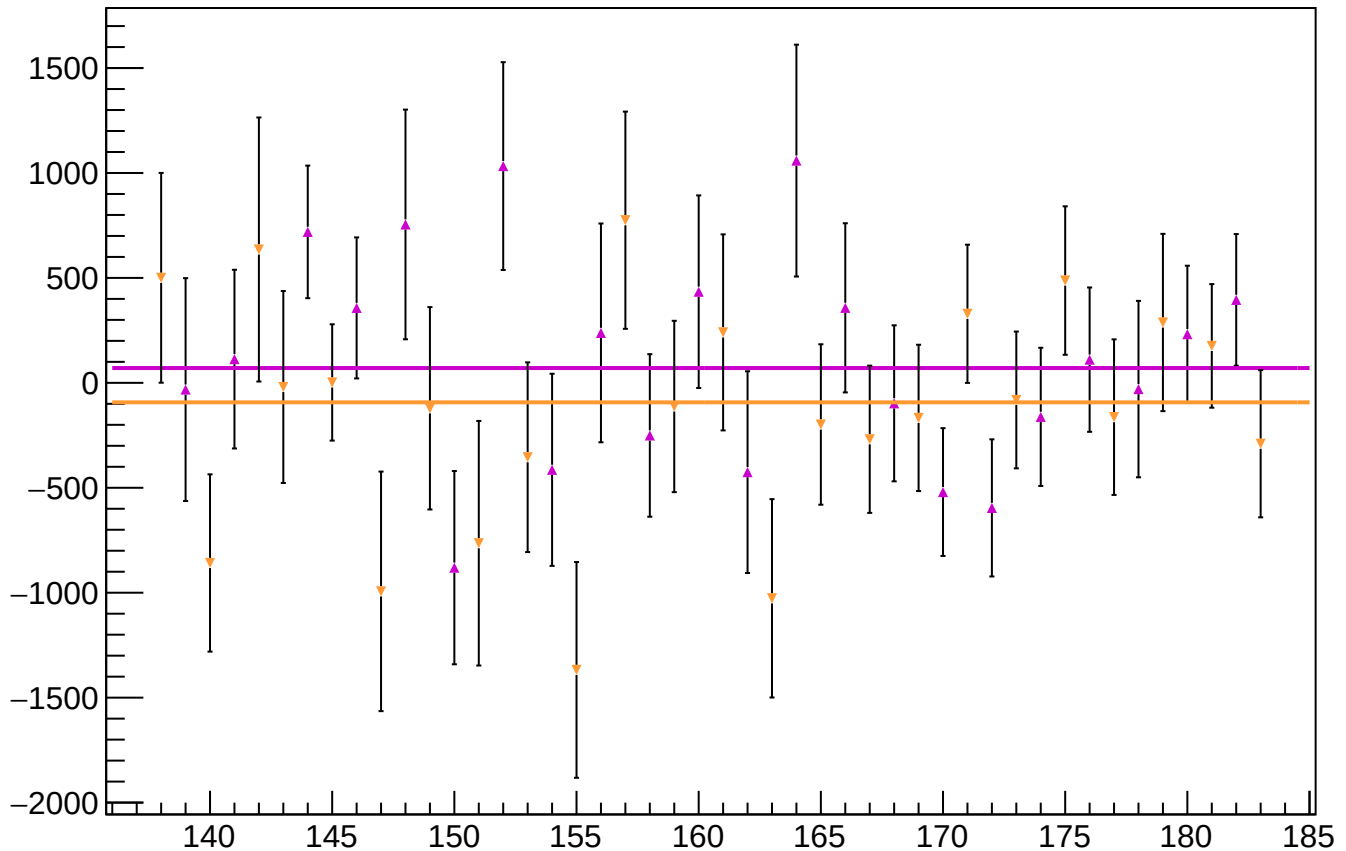
Left In: 333.043+/-0.058 χ^2/NDF : 1280339.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 333.975+/-0.041 χ^2/NDF : 2892204.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -92.886+/-81.622 χ^2/NDF : 30.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

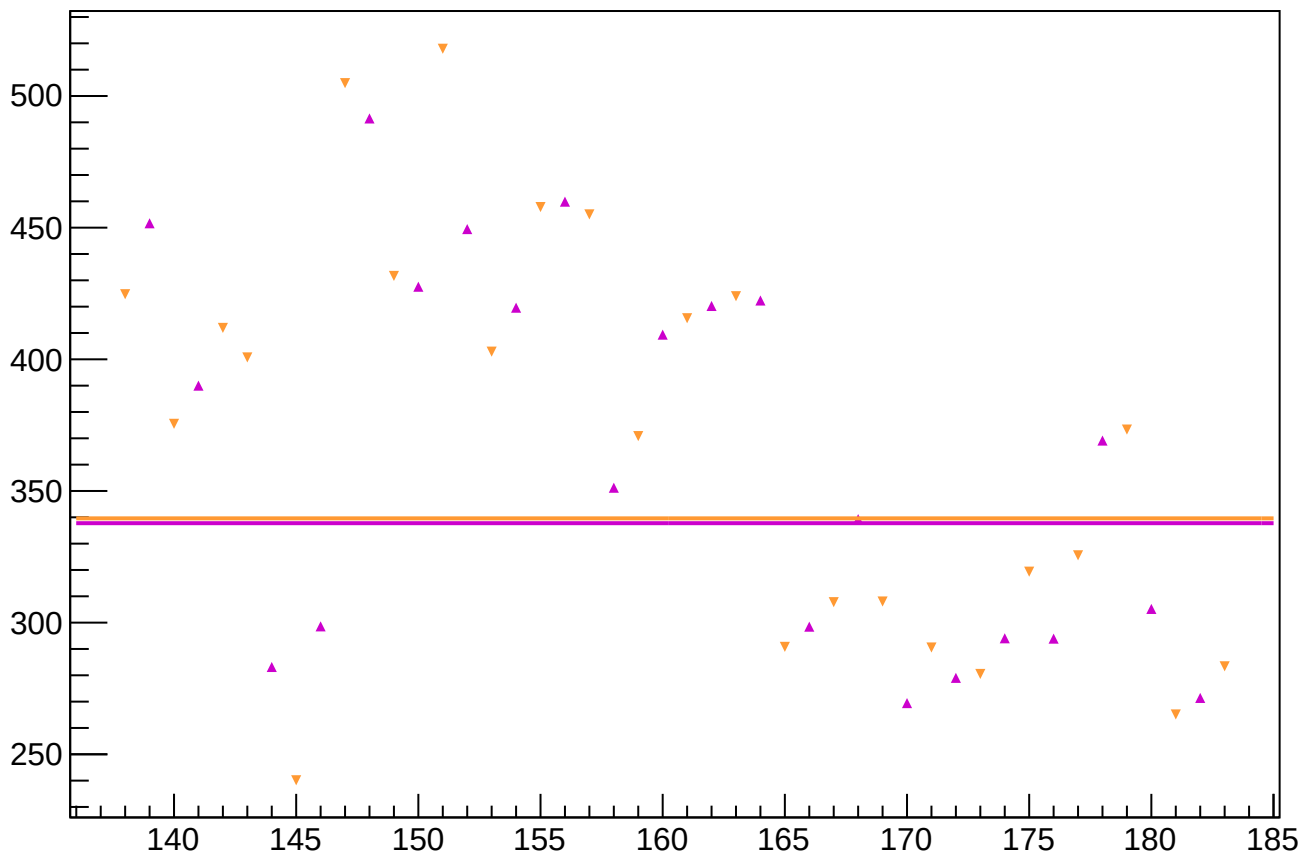
Left In: 70.549+/-83.332 χ^2/NDF : 31.9/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.862+/-58.311 χ^2/NDF : 64.3/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 339.600+/-0.058 χ^2/NDF :1570254.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

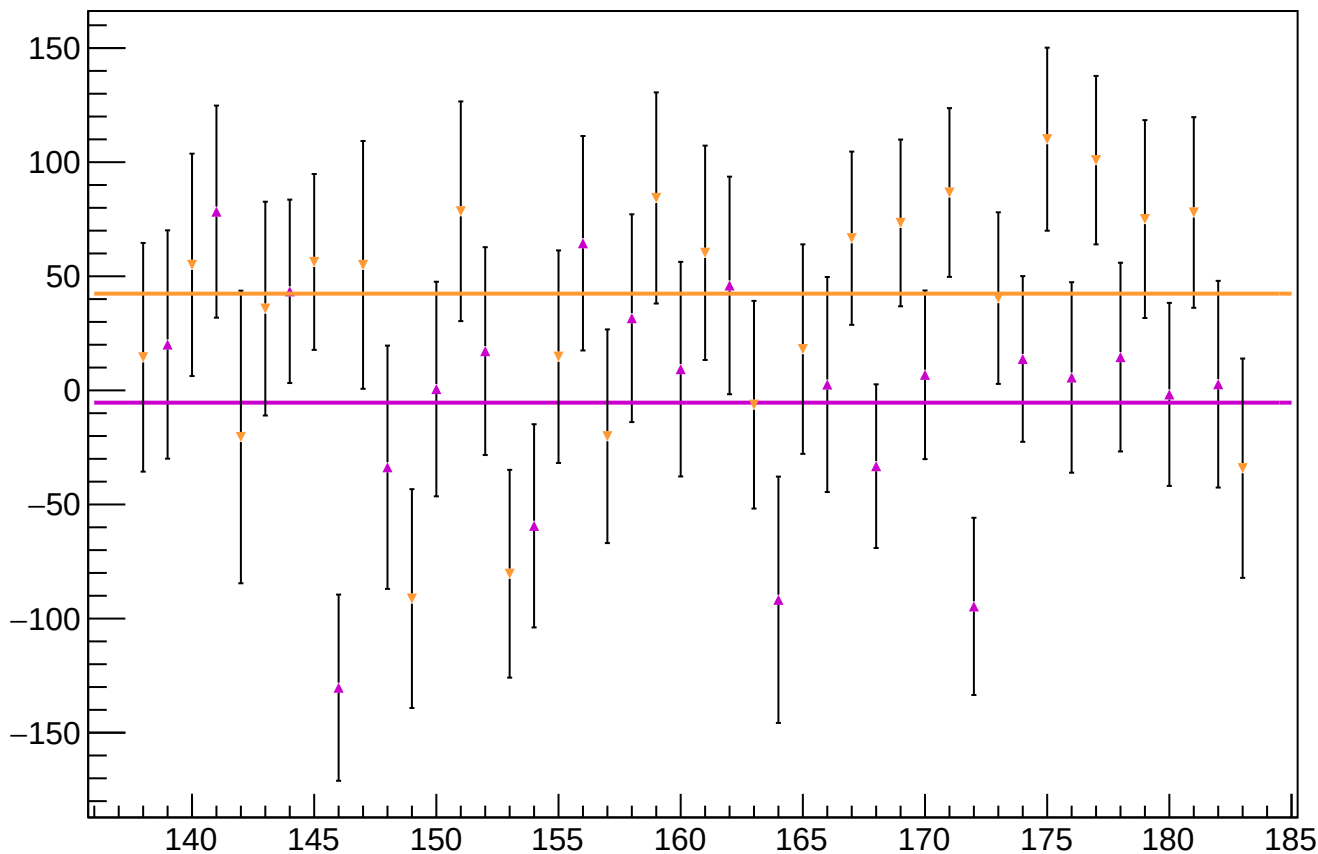
Left In: 337.767+/-0.059 χ^2/NDF :1248079.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 338.703+/-0.041 χ^2/NDF : 2818828.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 42.392 $\pm$ 8.962 χ^2 /NDF:33.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

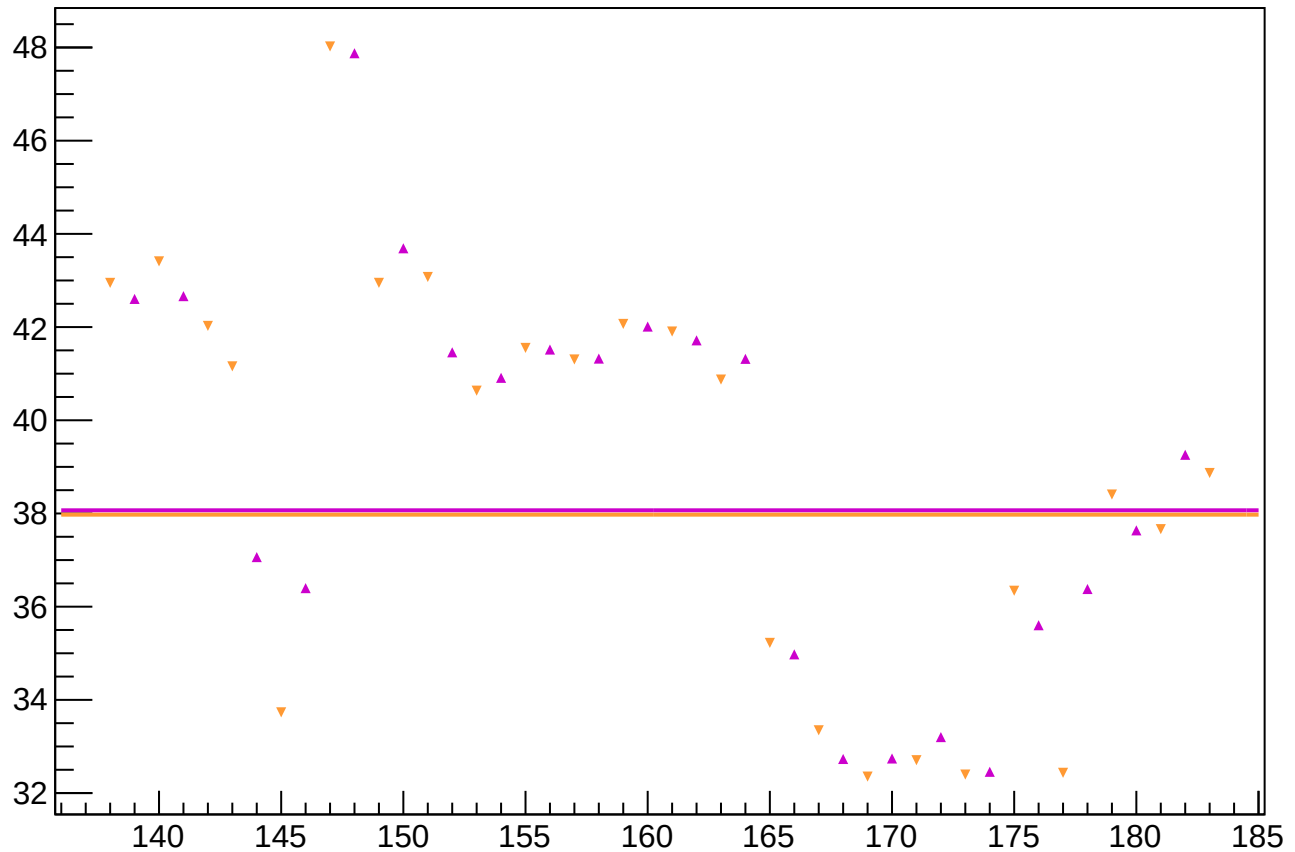
Left In: -5.381 $\pm$ 9.247 χ^2 /NDF:29.7/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 19.254 $\pm$ 6.435 χ^2 /NDF: 76.9/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 37.975+/-0.006 χ^2/NDF : 483296.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

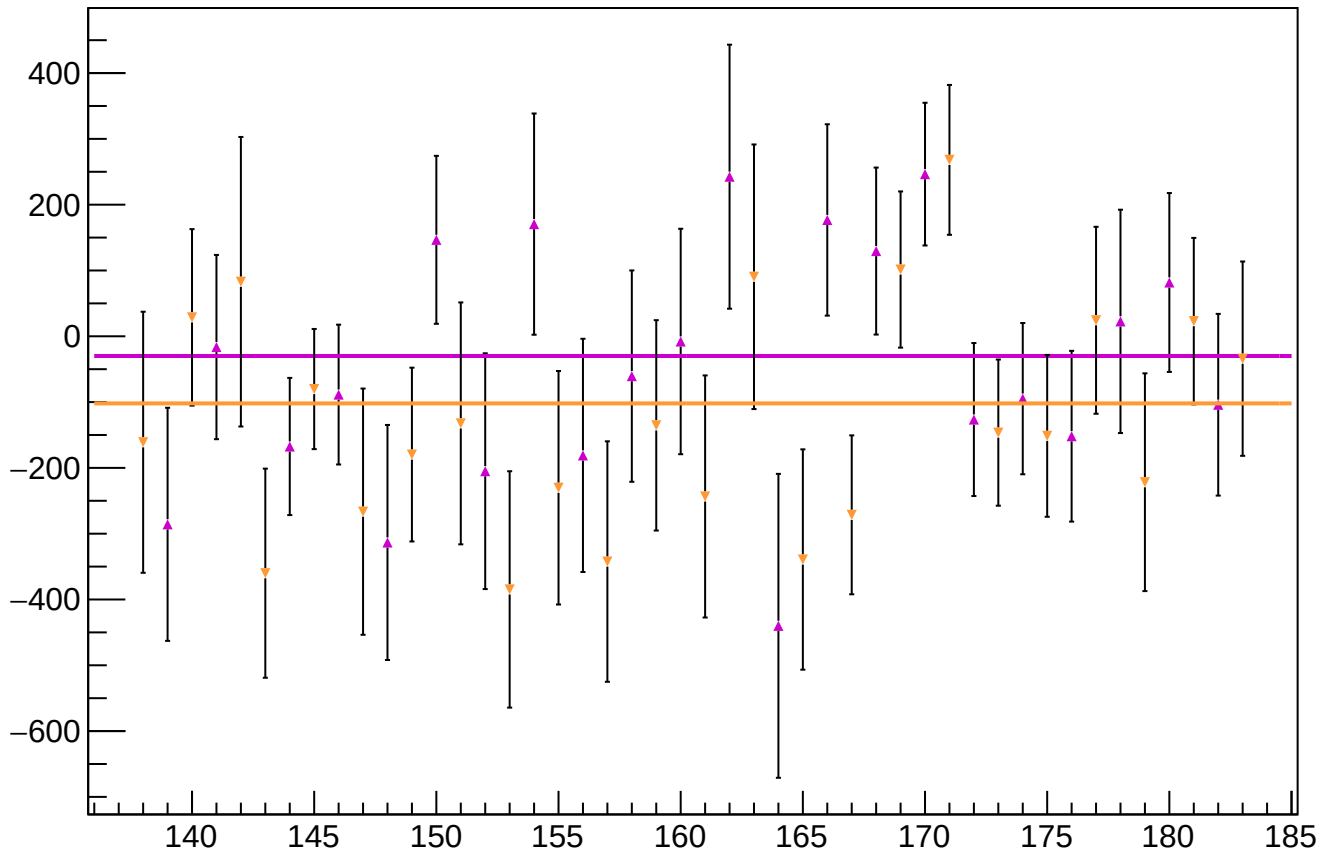
Left In: 38.068+/-0.007 χ^2/NDF : 395771.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 38.020+/-0.005 χ^2/NDF : 879173.2/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_correction_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -101.983 $\pm$ 29.402 χ^2/NDF : 32.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

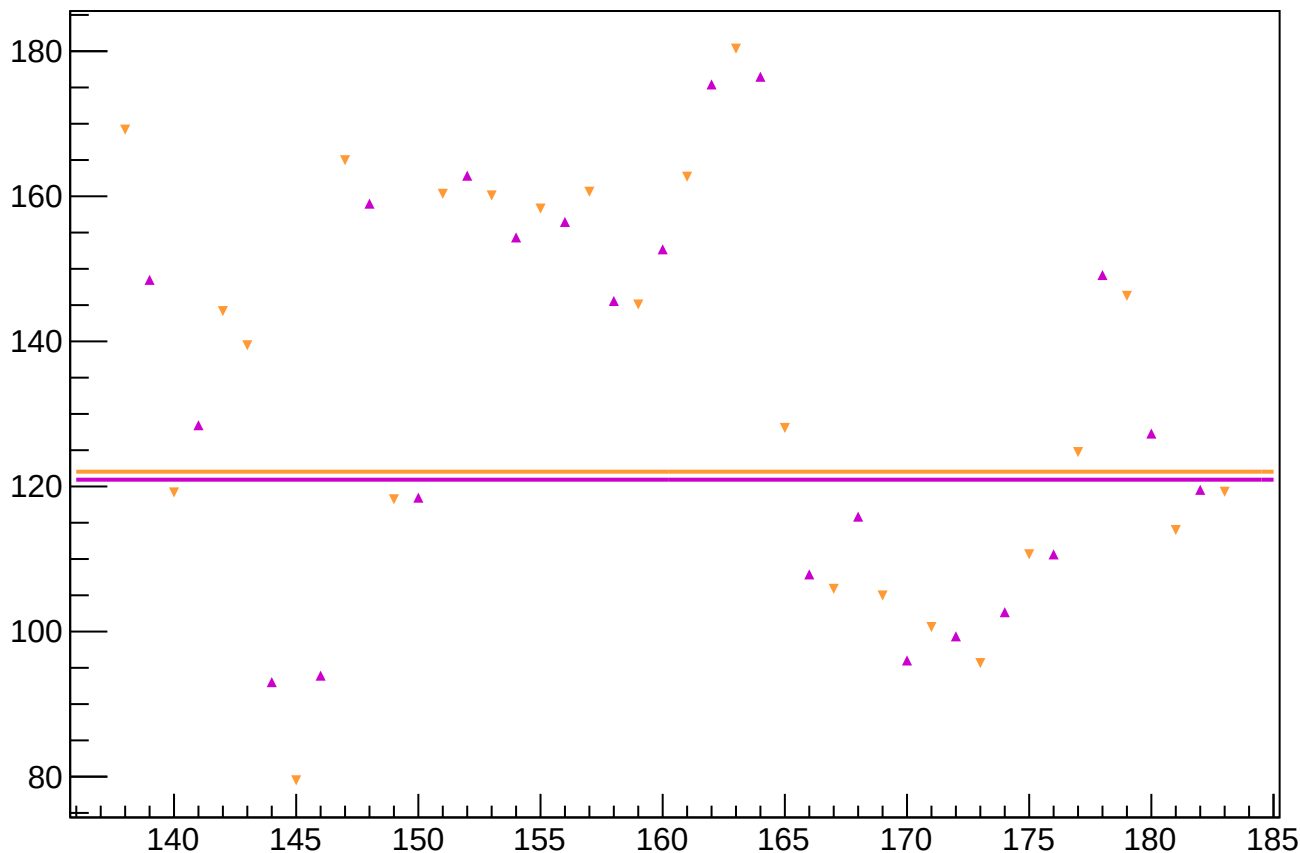
Left In: -29.957 $\pm$ 29.936 χ^2/NDF : 29.8/21

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: -66.618 $\pm$ 20.977 χ^2/NDF : 64.9/45

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 122.038+/-0.021 χ^2/NDF :1689221.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

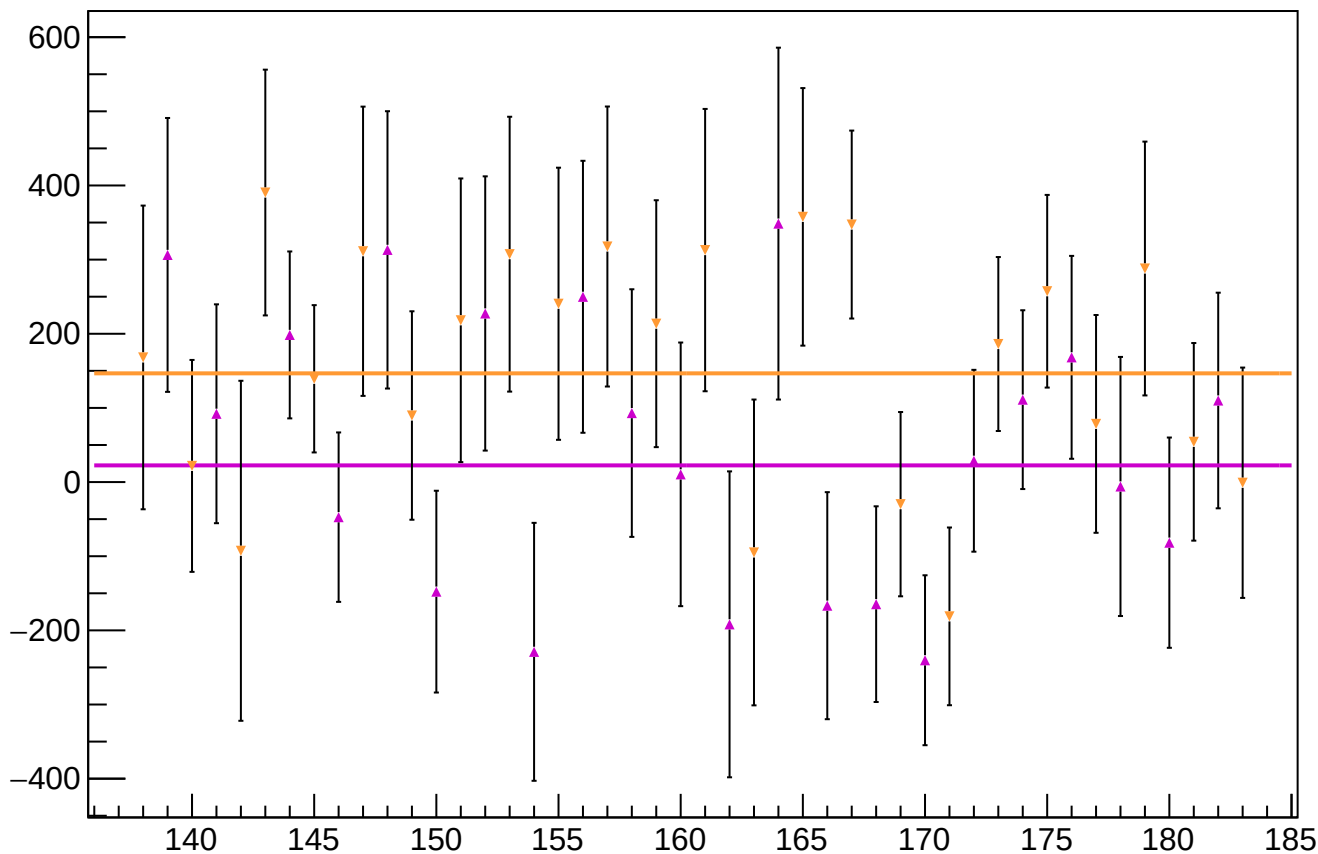
Left In: 120.935+/-0.021 χ^2/NDF :1382853.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 121.496+/-0.015 χ^2/NDF : 3073457.8/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 146.627 $\pm$ 30.892 χ^2 /NDF: 25.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

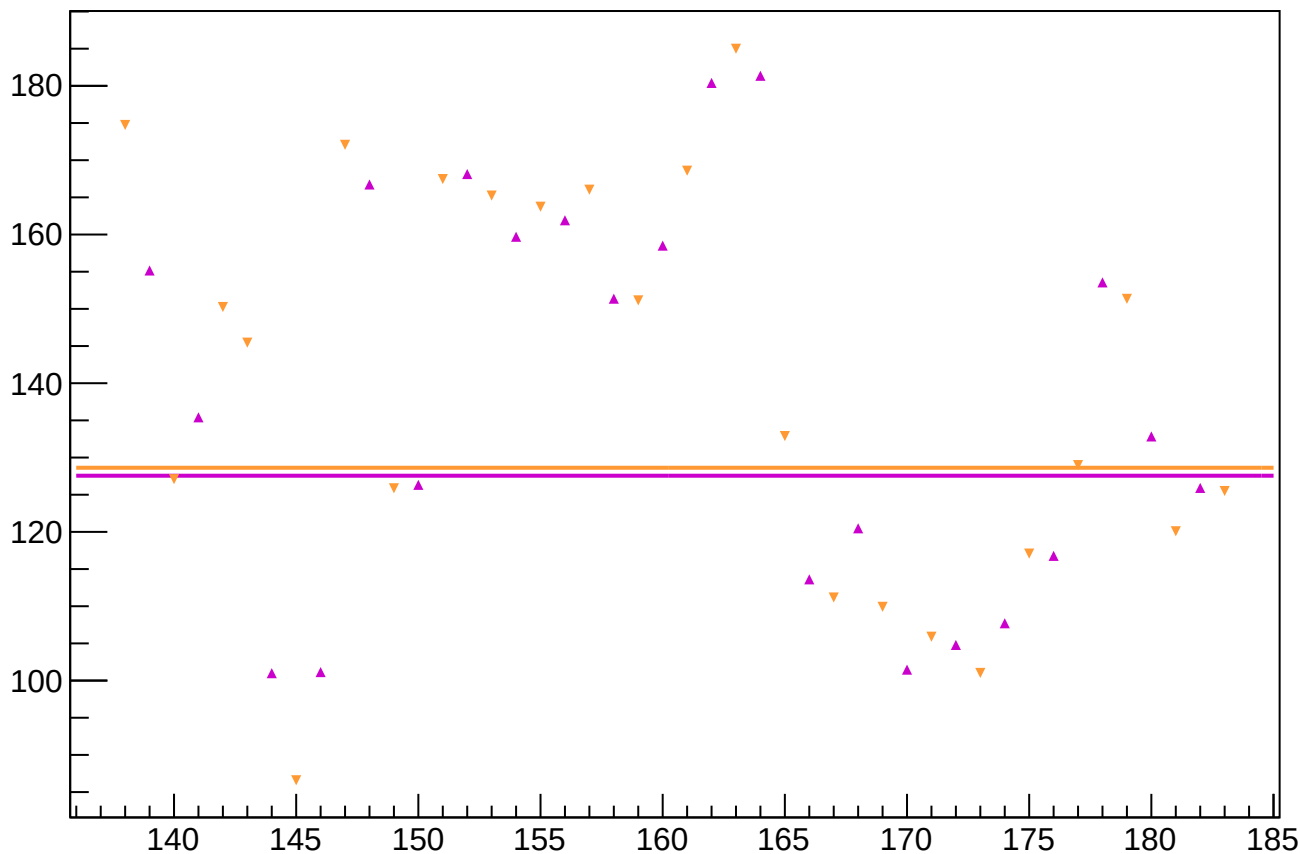
Left In: 22.499 $\pm$ 31.482 χ^2 /NDF: 28.8/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 85.738 $\pm$ 22.049 χ^2 /NDF: 62.5/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_sam_37_26_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 128.628+/-0.022 χ^2/NDF :1511865.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

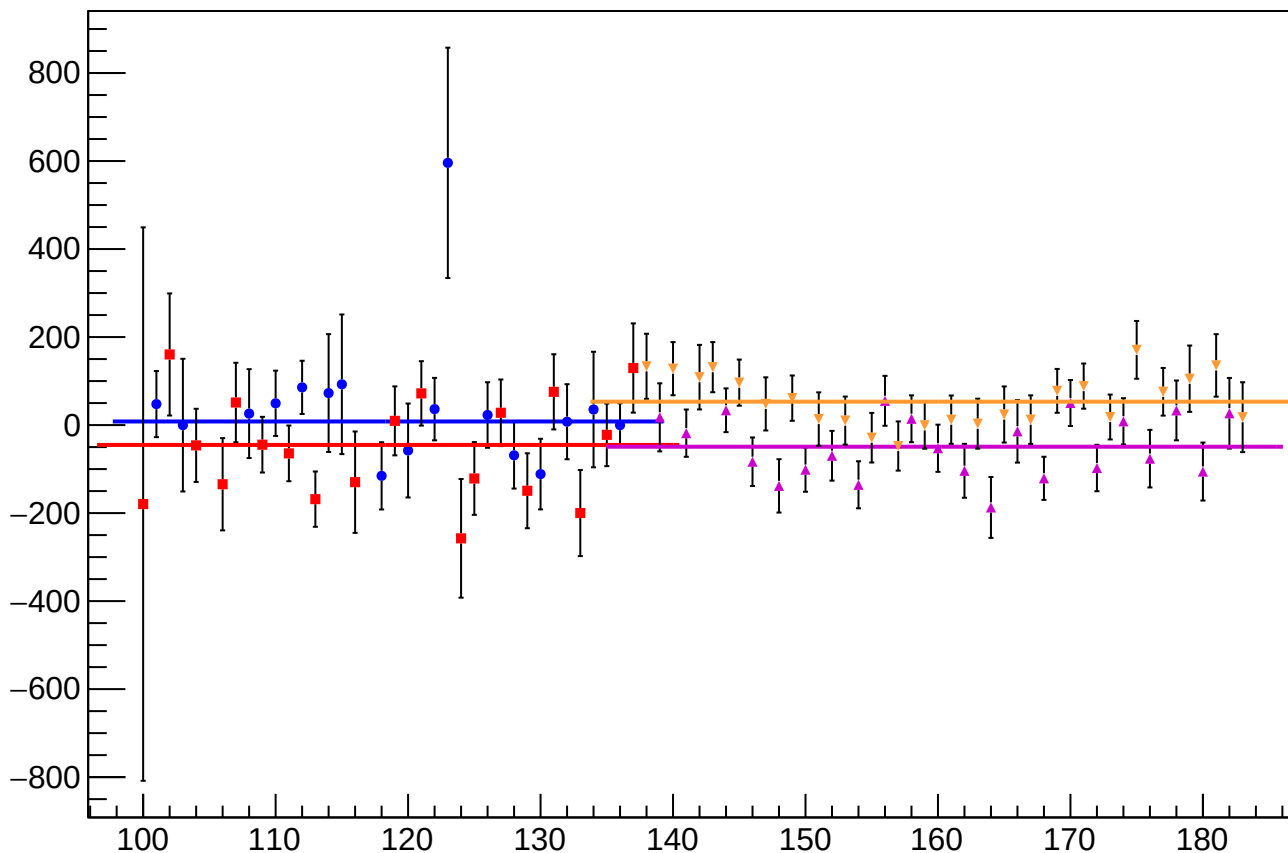
Left In: 127.557+/-0.022 χ^2/NDF :1235686.2/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 128.103+/-0.016 χ^2/NDF : 2748732.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_mean vs Slug



Right In: 8.177 ± 20.186 χ^2/NDF : 14.3/16

Left Out: 53.197 ± 11.906 χ^2/NDF : 22.0/23

Right Out: -45.139 ± 19.459 χ^2/NDF : 25.0/18

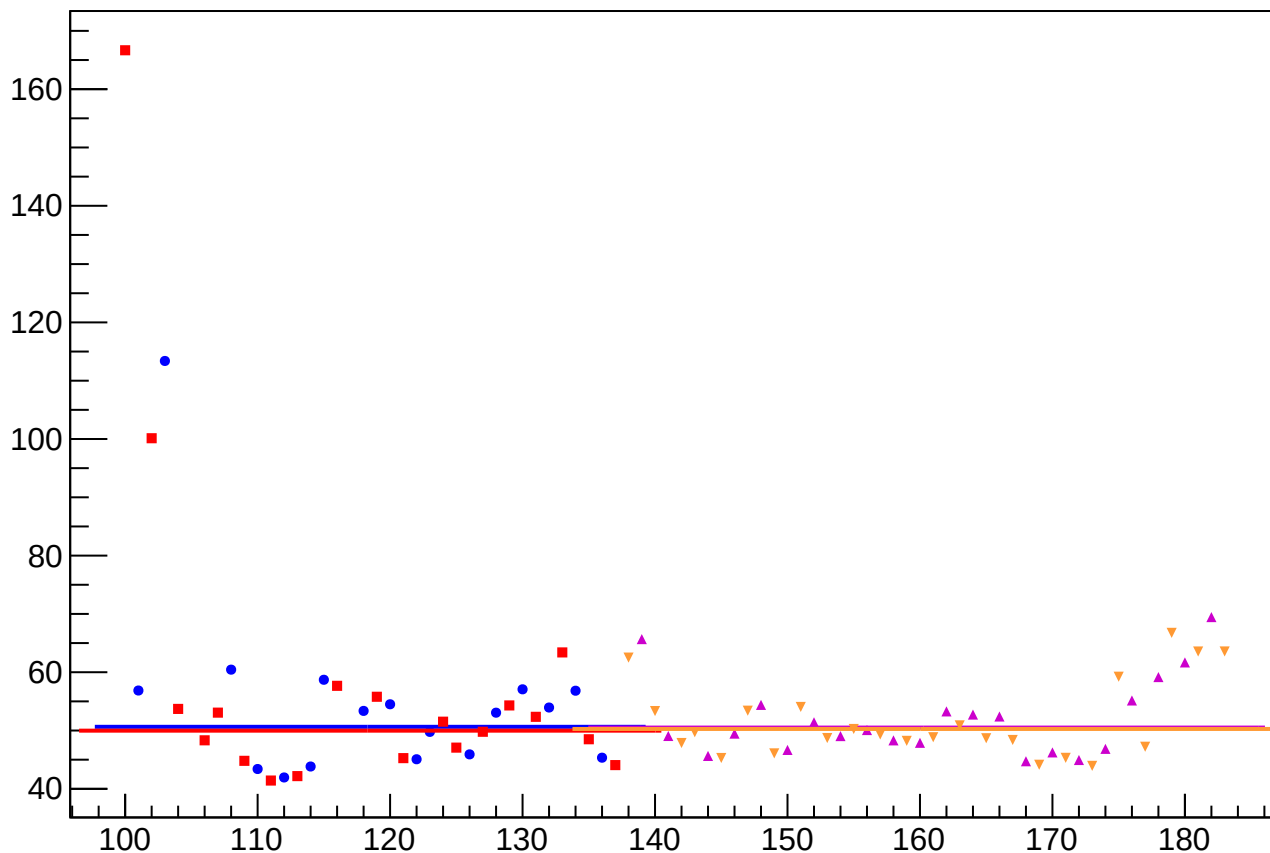
Left In: -49.181 ± 12.305 χ^2/NDF : 31.1/21

+ sign 41.578 ± 10.255 χ^2/NDF : 40.0/40

All: -2.594 ± 7.302 χ^2/NDF : 133.8/81

- sign -48.027 ± 10.400 χ^2/NDF : 56.1/40

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.637 $\pm$ 0.014 χ^2 /NDF: 520284.7/16

Left Out: 50.270 $\pm$ 0.008 χ^2 /NDF: 462143.4/23

Right Out: 49.978 $\pm$ 0.014 χ^2 /NDF: 500945.1/18

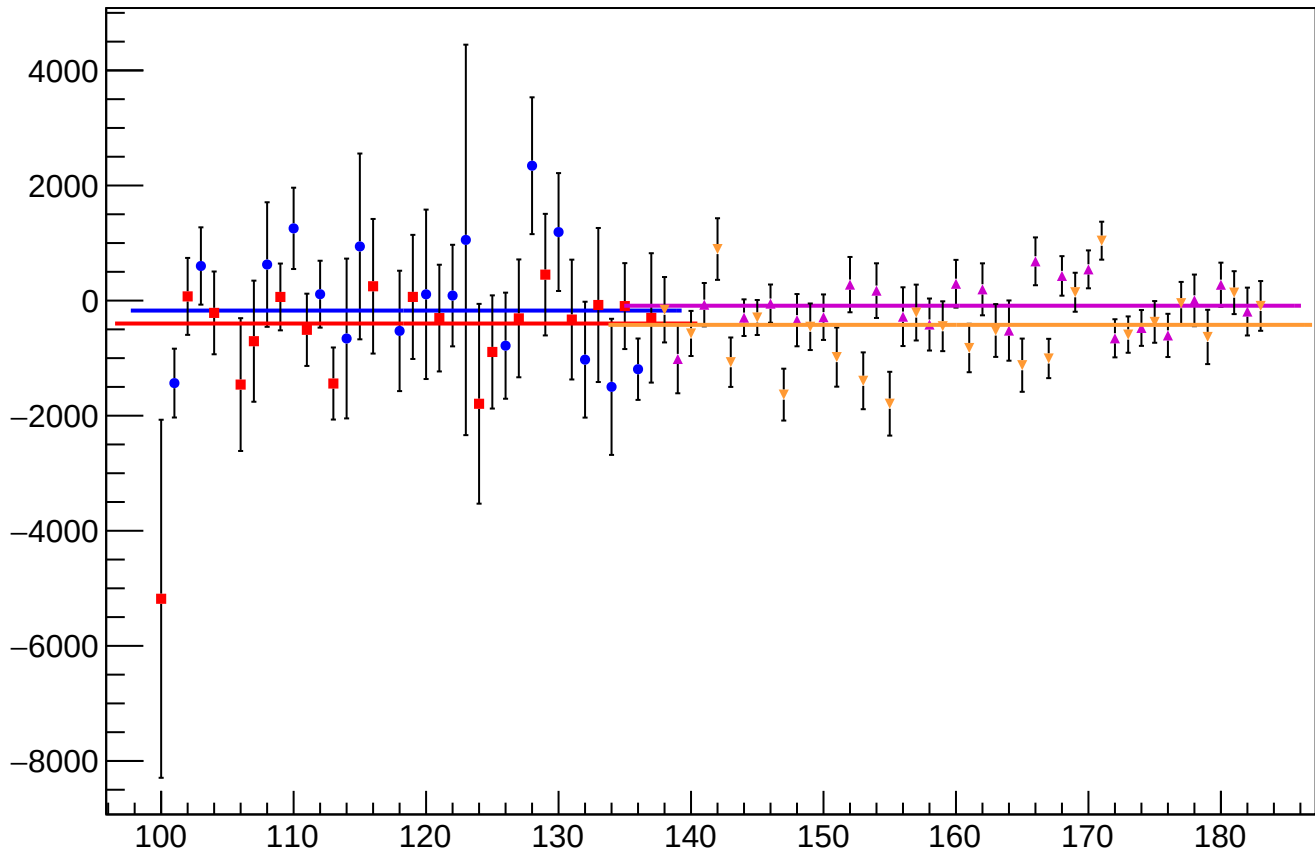
Left In: 50.507 $\pm$ 0.009 χ^2 /NDF: 420671.4/21

+ sign 50.365 $\pm$ 0.007 χ^2 /NDF: 982918.7/40

All: 50.361 $\pm$ 0.005 χ^2 /NDF: 1905594.0/81

- sign 50.356 $\pm$ 0.007 χ^2 /NDF: 922674.5/40

asym_sam_1357_avg_correction_mean vs Slug



Right In: -173.371 ± 210.671 χ^2/NDF : 23.9/16

Left Out: -421.618 ± 83.148 χ^2/NDF : 60.5/23

Right Out: -398.617 ± 204.042 χ^2/NDF : 9.6/18

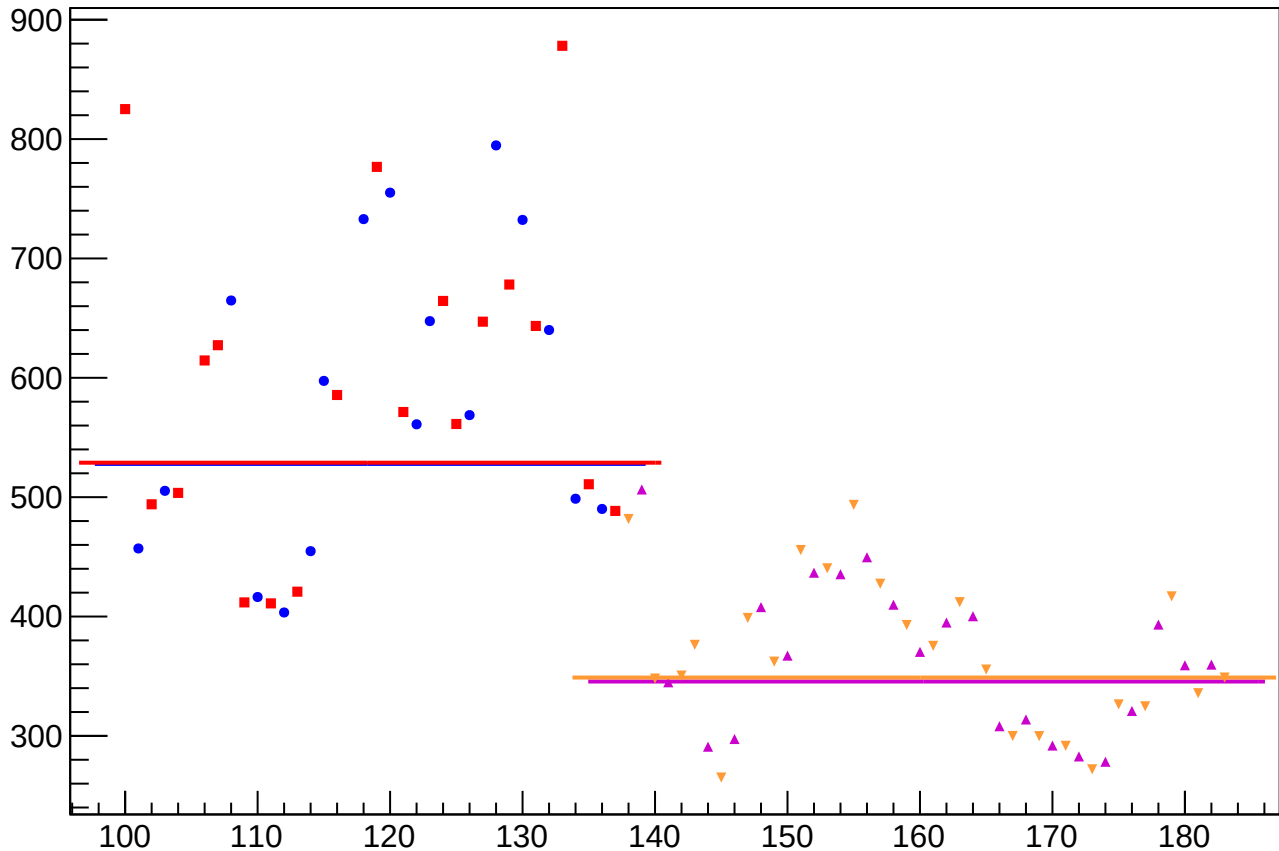
Left In: -89.078 ± 84.688 χ^2/NDF : 23.6/21

+ sign -388.160 ± 77.342 χ^2/NDF : 85.6/40

All: -262.792 ± 54.996 χ^2/NDF : 126.1/81

- sign -134.566 ± 78.218 χ^2/NDF : 35.2/40

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.871 $\pm$ 0.149 χ^2/NDF : 563444.4/16

Left Out: 348.882 $\pm$ 0.059 χ^2/NDF : 1028771.4/23

Right Out: 528.886 $\pm$ 0.144 χ^2/NDF : 625551.4/18

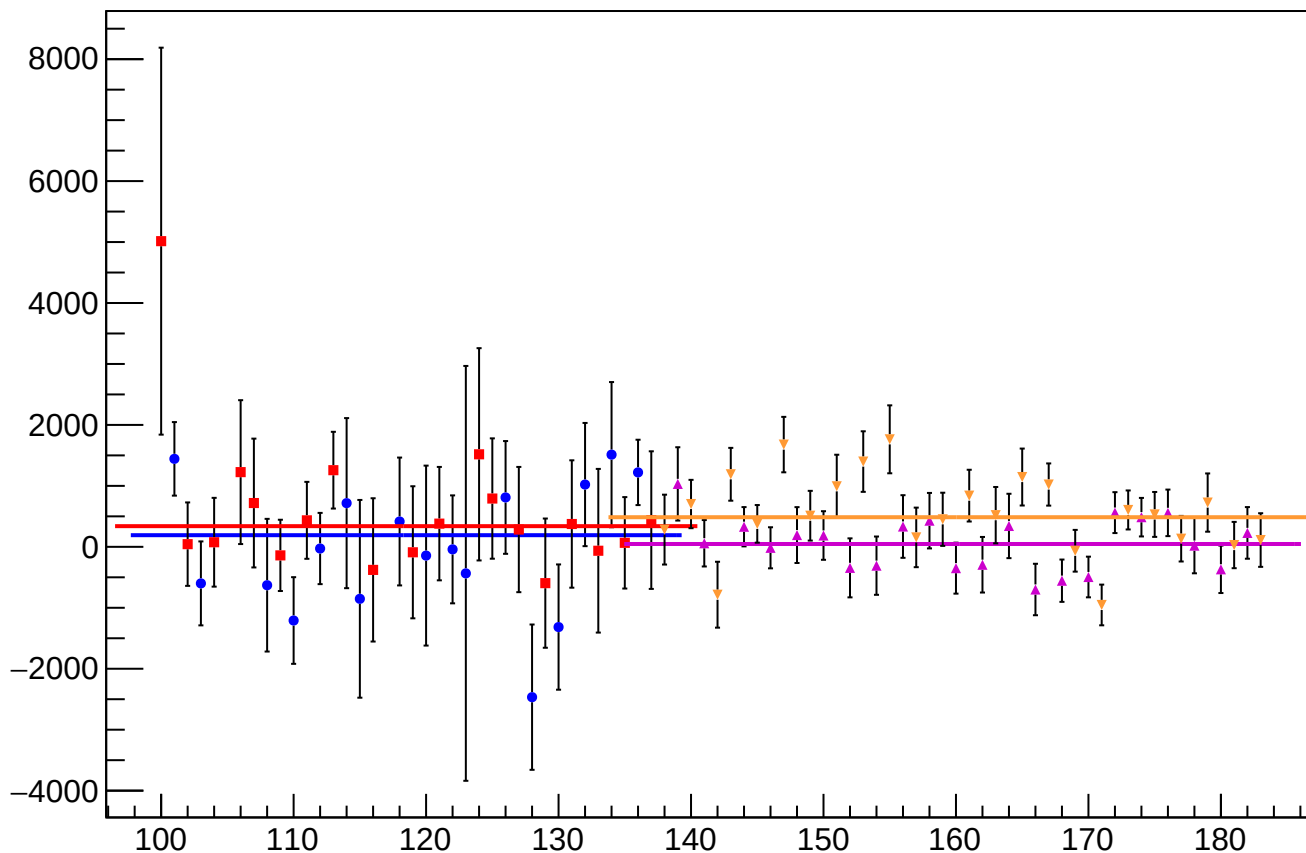
Left In: 345.554 $\pm$ 0.060 χ^2/NDF : 897768.5/21

+ sign 373.006 $\pm$ 0.055 χ^2/NDF : 2841325.5/40

All: 372.753 $\pm$ 0.039 χ^2/NDF : 5742033.0/81

- sign 372.495 $\pm$ 0.055 χ^2/NDF : 2900664.5/40

asym_sam_1357_avg_mean vs Slug



Right In: 190.958 $\pm$ 212.155 χ^2/NDF : 24.1/16

Left Out: 485.801 $\pm$ 84.103 χ^2/NDF : 55.4/23

Right Out: 339.084 $\pm$ 205.618 χ^2/NDF : 8.2/18

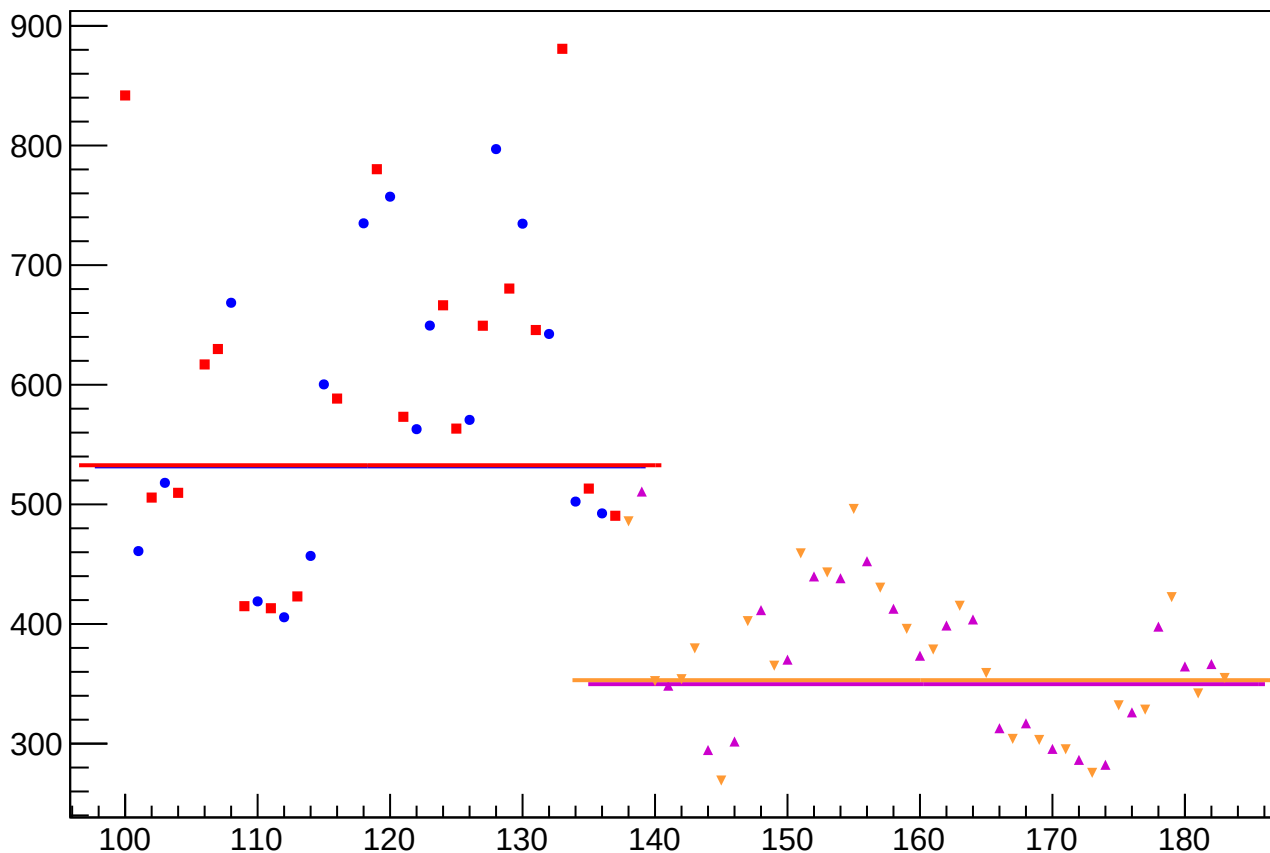
Left In: 46.489 $\pm$ 85.678 χ^2/NDF : 23.9/21

+ sign 445.758 $\pm$ 78.184 χ^2/NDF : 81.2/40

All: 269.811 $\pm$ 55.601 χ^2/NDF : 125.3/81

- sign 89.776 $\pm$ 79.087 χ^2/NDF : 33.8/40

asym_sam_1357_avg_rms vs Slug



Right In: 531.765 $\pm$ 0.150 χ^2 /NDF: 555969.6/16

Left Out: 353.034 $\pm$ 0.059 χ^2 /NDF:1001846.1/23

Right Out: 532.709 $\pm$ 0.145 χ^2 /NDF: 617915.9/18

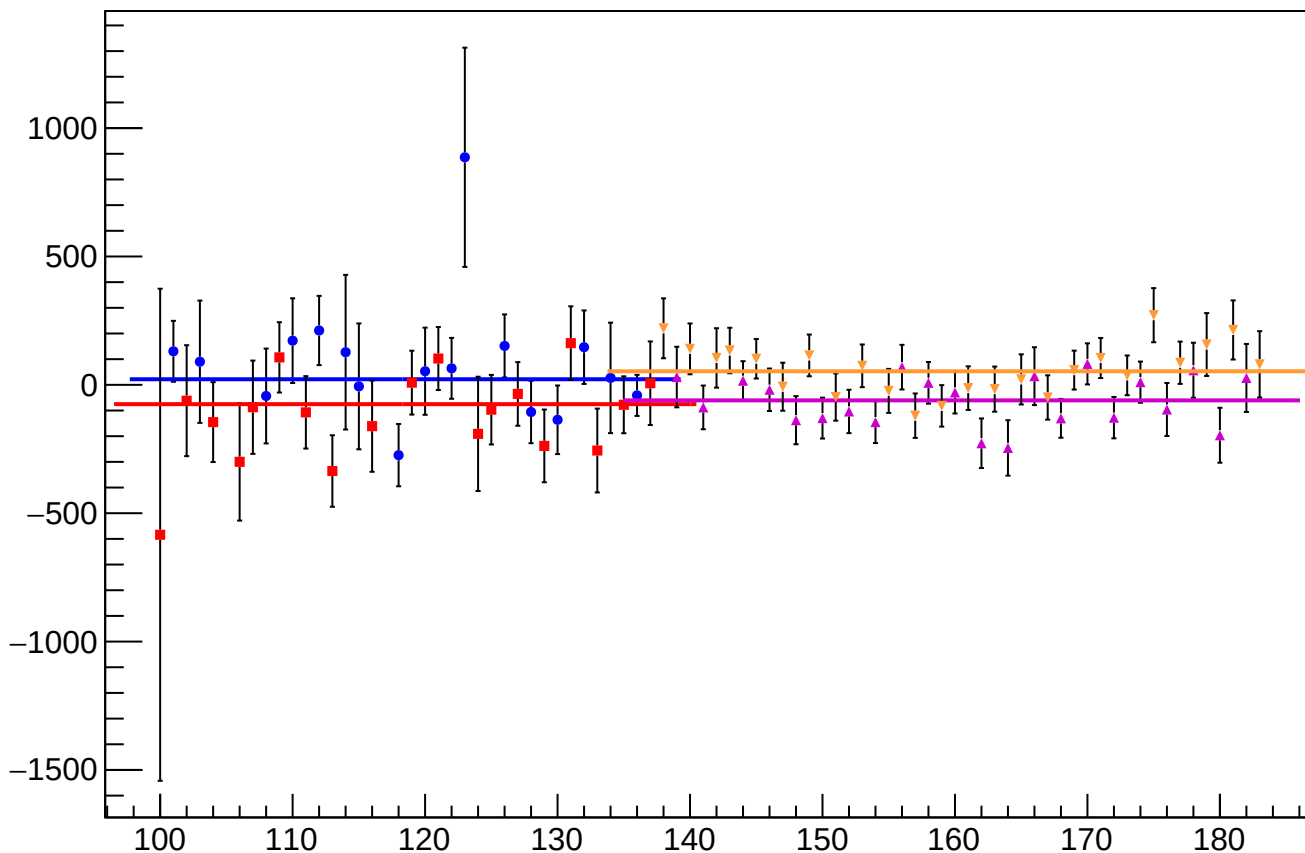
Left In: 349.726 $\pm$ 0.061 χ^2 /NDF:874792.6/21

+ sign 377.307 $\pm$ 0.055 χ^2 /NDF: 2784508.4/40

All: 377.055 $\pm$ 0.039 χ^2 /NDF: 5626829.5/81

- sign 376.797 $\pm$ 0.056 χ^2 /NDF: 2842279.1/40

reg_asym_sam_2468_avg_mean vs Slug



Right In: 21.833+/-34.638 χ^2/NDF : 19.2/16

Left Out: 52.858+/-18.417 χ^2/NDF : 24.5/23

Right Out: -75.207+/-34.800 χ^2/NDF : 15.5/18

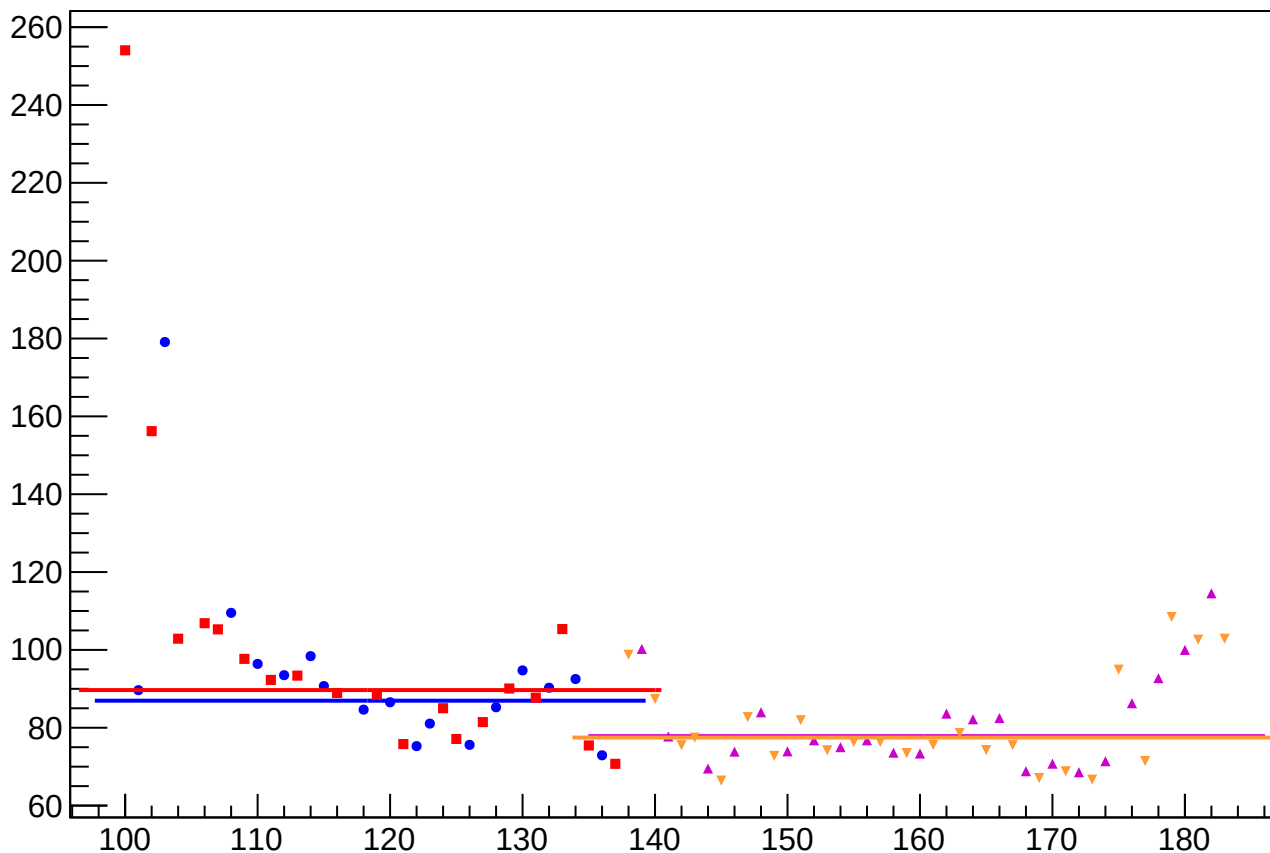
Left In: -60.473+/-19.028 χ^2/NDF : 23.3/21

+ sign 46.021+/-16.261 χ^2/NDF : 44.3/40

All: -7.473+/-11.649 χ^2/NDF : 105.4/81

- sign -63.864+/-16.696 χ^2/NDF : 38.9/40

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.949+/-0.024 χ^2/NDF : 453620.2/16

Left Out: 77.479+/-0.013 χ^2/NDF : 626815.9/23

Right Out: 89.674+/-0.025 χ^2/NDF : 429254.7/18

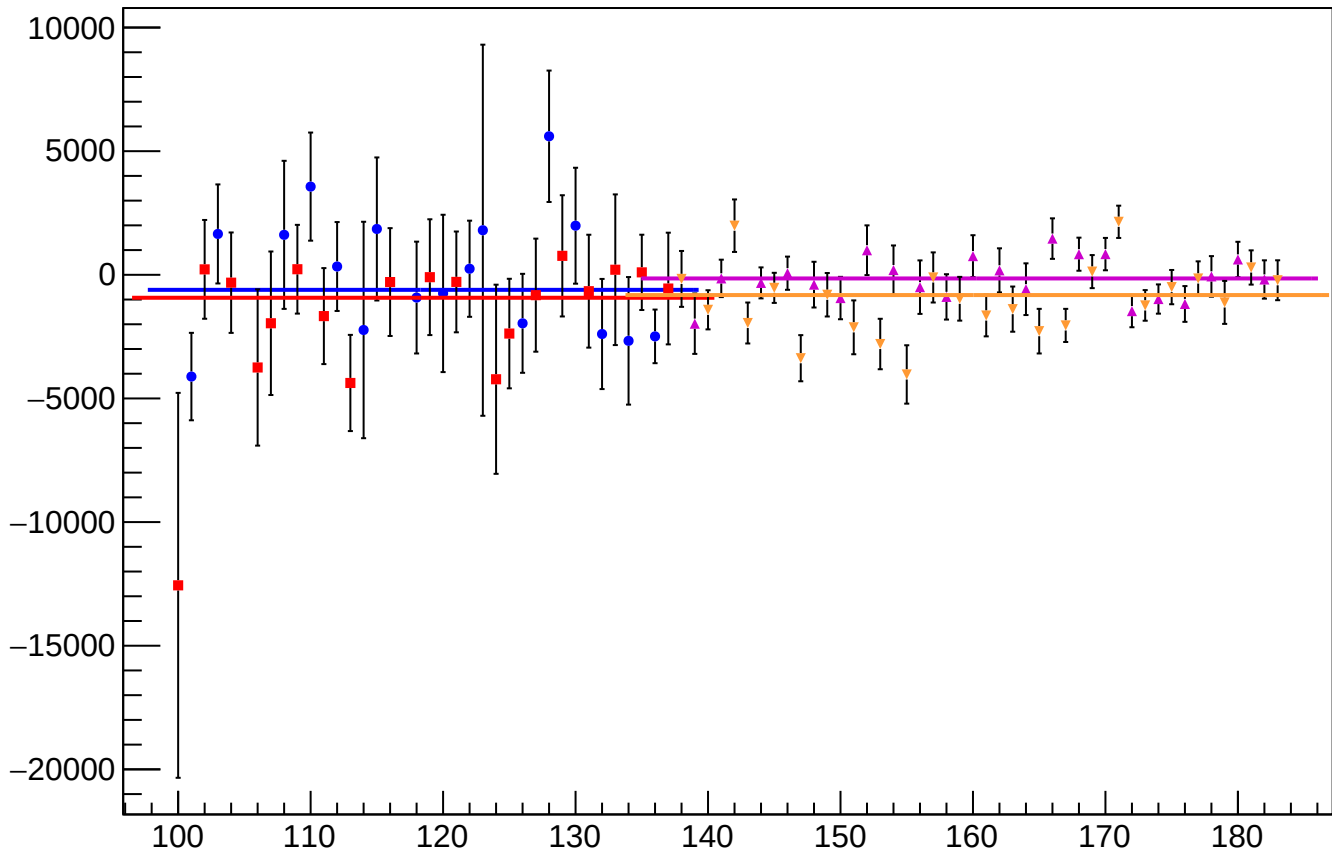
Left In: 77.844+/-0.013 χ^2/NDF : 517314.9/21

+ sign 79.566+/-0.011 χ^2/NDF : 1196988.5/40

All: 80.053+/-0.008 χ^2/NDF : 2325175.3/81

- sign 80.567+/-0.012 χ^2/NDF : 1124499.9/40

asym_sam_2468_avg_correction_mean vs Slug



Right In: -607.702 $\pm$ 518.220 χ^2/NDF : 22.3/16

Left Out: -819.010 $\pm$ 164.386 χ^2/NDF : 65.4/23

Right Out: -927.943 $\pm$ 515.777 χ^2/NDF : 9.9/18

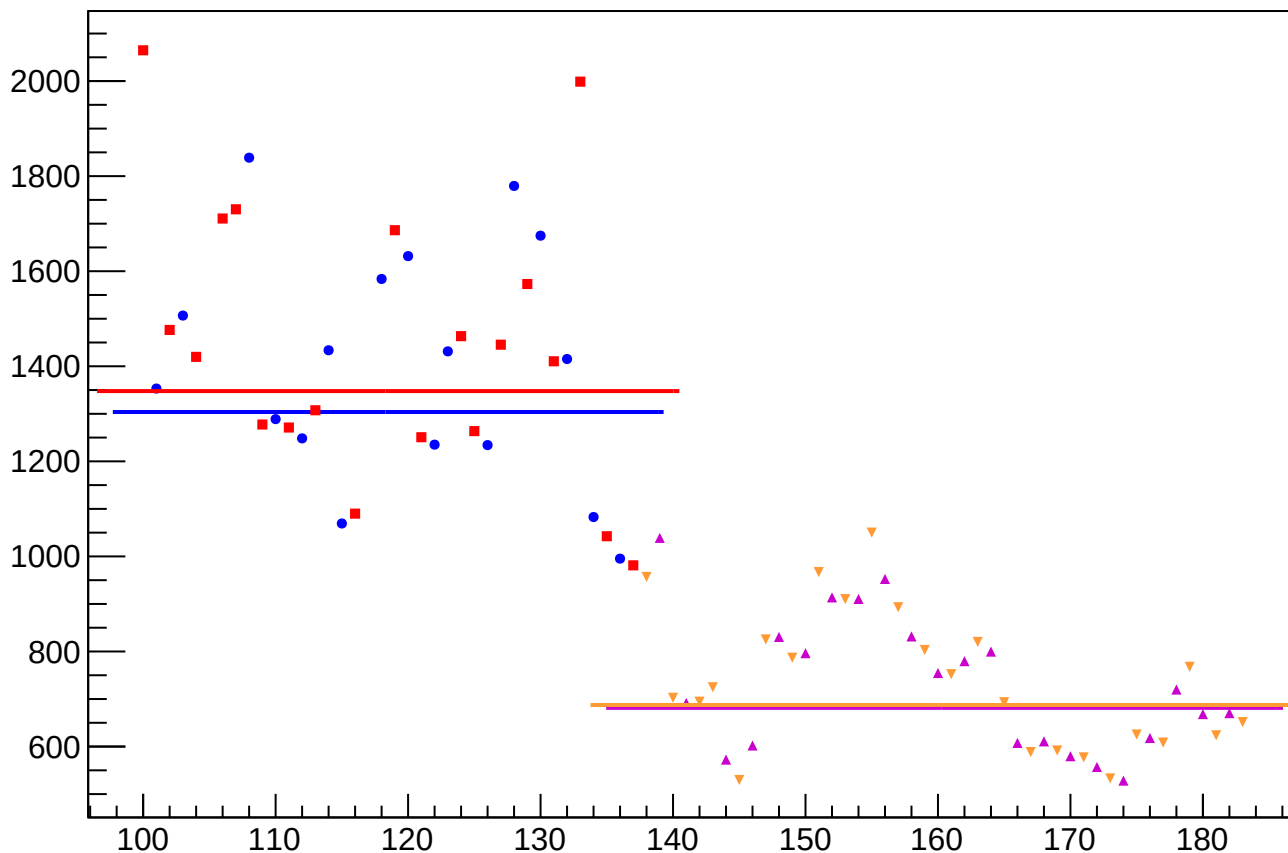
Left In: -147.300 $\pm$ 167.548 χ^2/NDF : 24.5/21

+ sign -799.692 $\pm$ 156.691 χ^2/NDF : 87.8/40

All: -515.616 $\pm$ 111.726 χ^2/NDF : 131.0/81

- sign -221.814 $\pm$ 159.351 χ^2/NDF : 36.5/40

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.810 $\pm$ 0.366 χ^2 /NDF: 456027.3/16

Left Out: 687.454 $\pm$ 0.116 χ^2 /NDF: 1254919.8/23

Right Out: 1347.826 $\pm$ 0.365 χ^2 /NDF: 421434.3/18

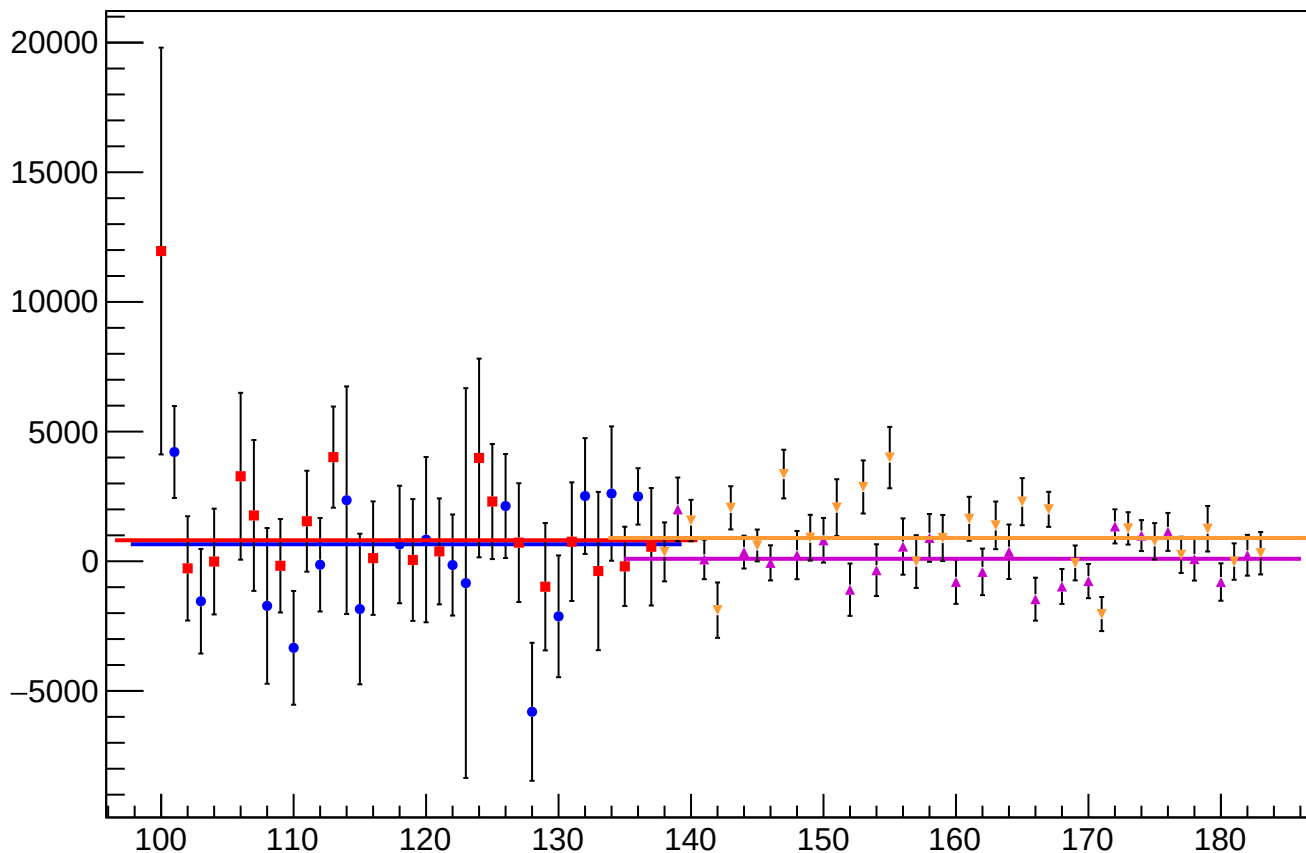
Left In: 681.419 $\pm$ 0.118 χ^2 /NDF: 1119256.3/21

+ sign 743.804 $\pm$ 0.111 χ^2 /NDF: 4281502.7/40

All: 744.406 $\pm$ 0.079 χ^2 /NDF: 8842325.4/81

- sign 745.029 $\pm$ 0.113 χ^2 /NDF: 4560762.6/40

asym_sam_2468_avg_mean vs Slug



Right In: 655.779 ± 519.695 χ^2/NDF : 22.4/16

Left Out: 898.586 ± 165.625 χ^2/NDF : 60.9/23

Right Out: 810.322 ± 517.488 χ^2/NDF : 8.8/18

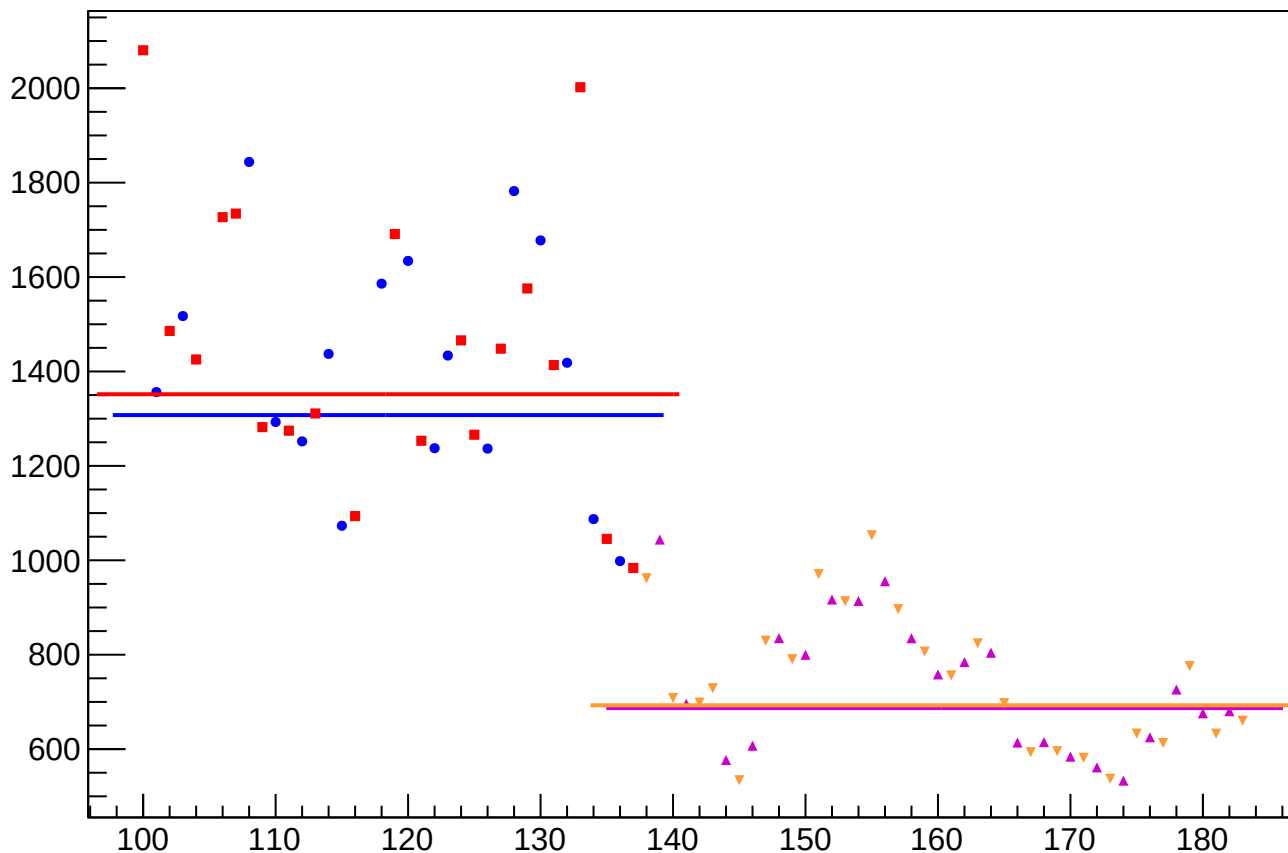
Left In: 95.044 ± 168.832 χ^2/NDF : 24.6/21

+ sign 876.198 ± 157.805 χ^2/NDF : 83.6/40

All: 526.069 ± 112.528 χ^2/NDF : 128.7/81

- sign 163.854 ± 160.505 χ^2/NDF : 35.1/40

asym_sam_2468_avg_rms vs Slug



Right In: 1307.585 $\pm$ 0.367 χ^2 /NDF: 455146.3/16

Left Out: 692.861 $\pm$ 0.117 χ^2 /NDF:1232831.2/23

Right Out: 1351.755 $\pm$ 0.366 χ^2 /NDF: 422451.1/18

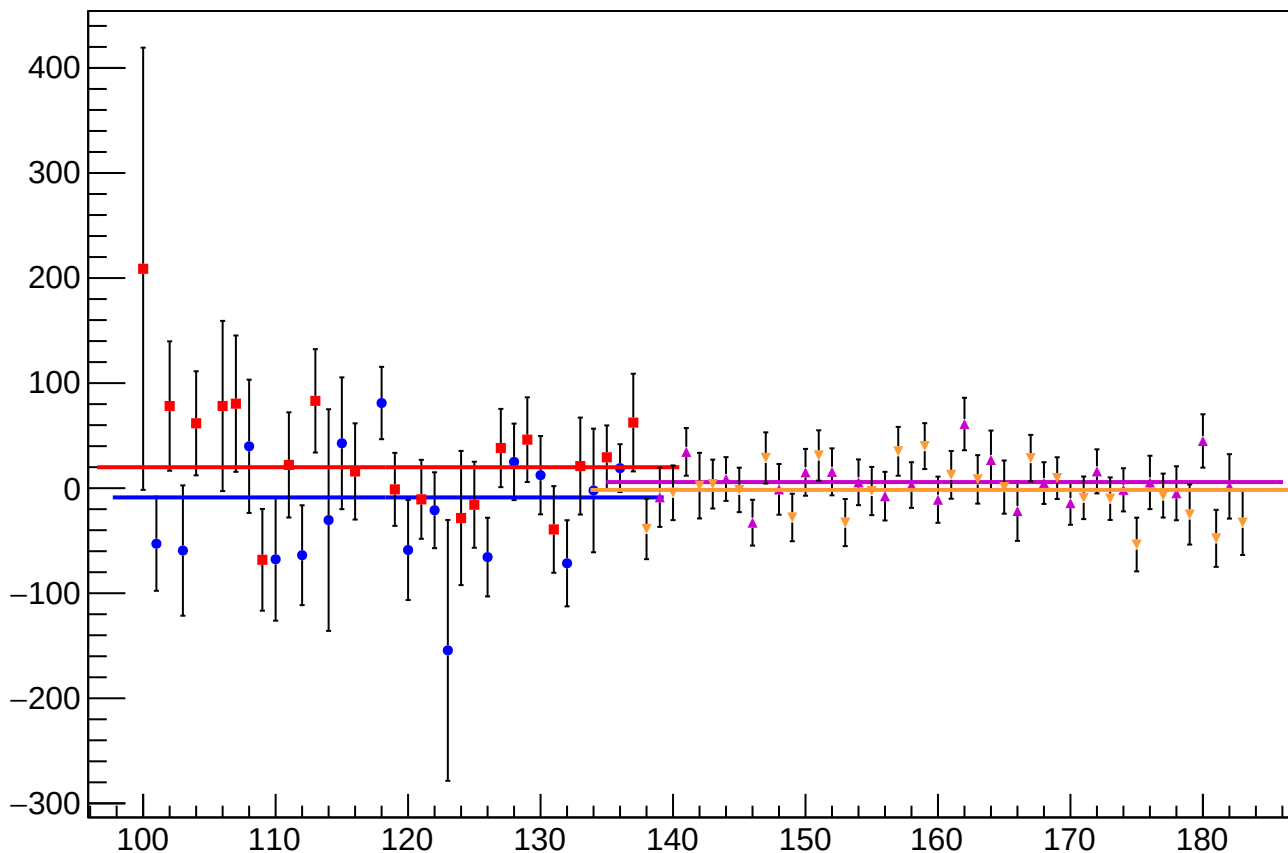
Left In: 686.854 $\pm$ 0.119 χ^2 /NDF:1099125.3/21

+ sign 749.540 $\pm$ 0.112 χ^2 /NDF: 4228259.0/40

All: 750.168 $\pm$ 0.080 χ^2 /NDF: 8734022.8/81

- sign 750.818 $\pm$ 0.113 χ^2 /NDF: 4505699.4/40

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -8.789 $\pm$ 10.423 χ^2/NDF : 22.0/16

Left Out: -1.645 $\pm$ 4.806 χ^2/NDF :26.5/23

Right Out: 19.948 $\pm$ 10.470 χ^2/NDF : 14.8/18

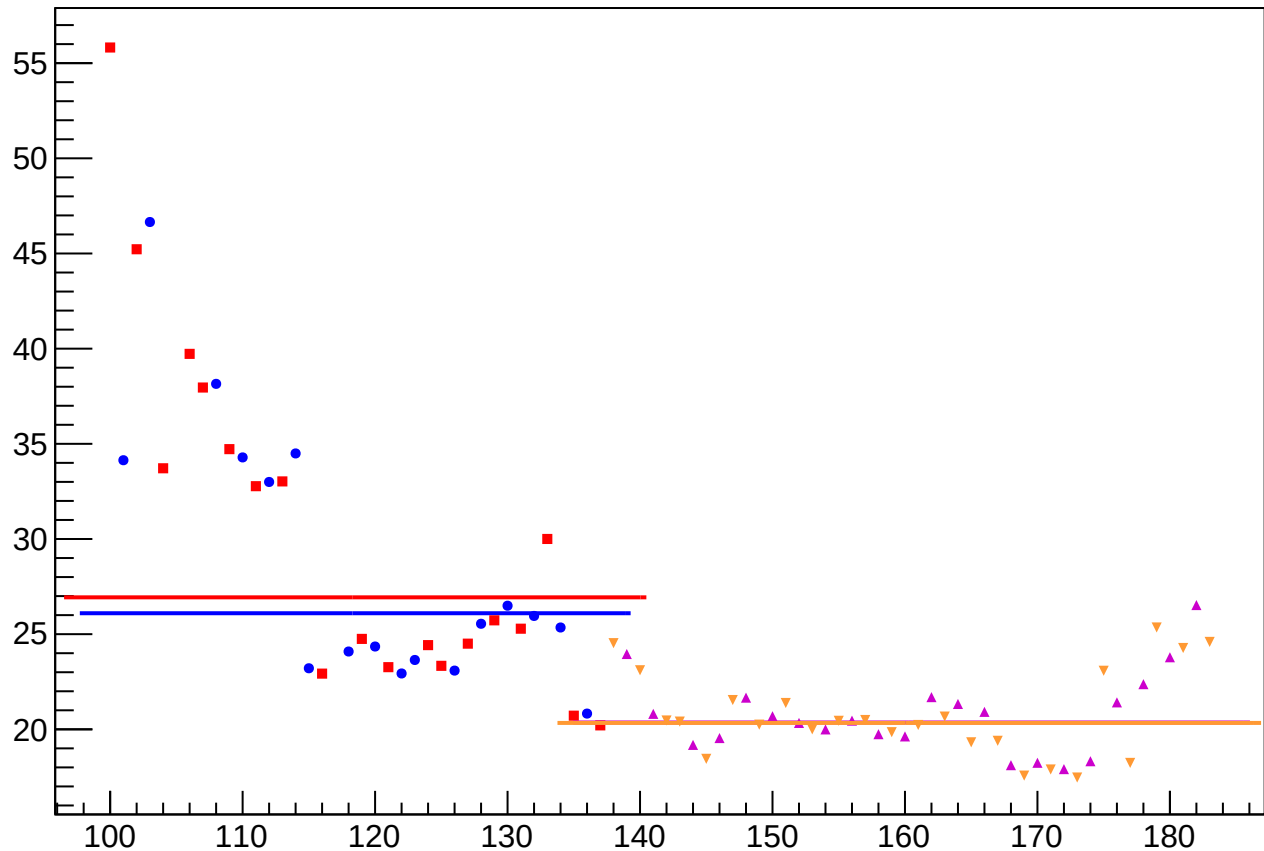
Left In: 5.810 $\pm$ 4.949 χ^2/NDF :16.7/21

+ sign -2.897 $\pm$ -4.364 χ^2/NDF : 48.9/40

All: 2.607 $\pm$ -3.124 χ^2/NDF : 85.2/81

- sign 8.392 $\pm$ -4.474 χ^2/NDF : 33.0/40

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.100 $\pm$ 0.007 χ^2 /NDF: 601502.5/16

Left Out: 20.337 $\pm$ 0.003 χ^2 /NDF: 391736.1/23

Right Out: 26.935 $\pm$ 0.007 χ^2 /NDF: 677999.1/18

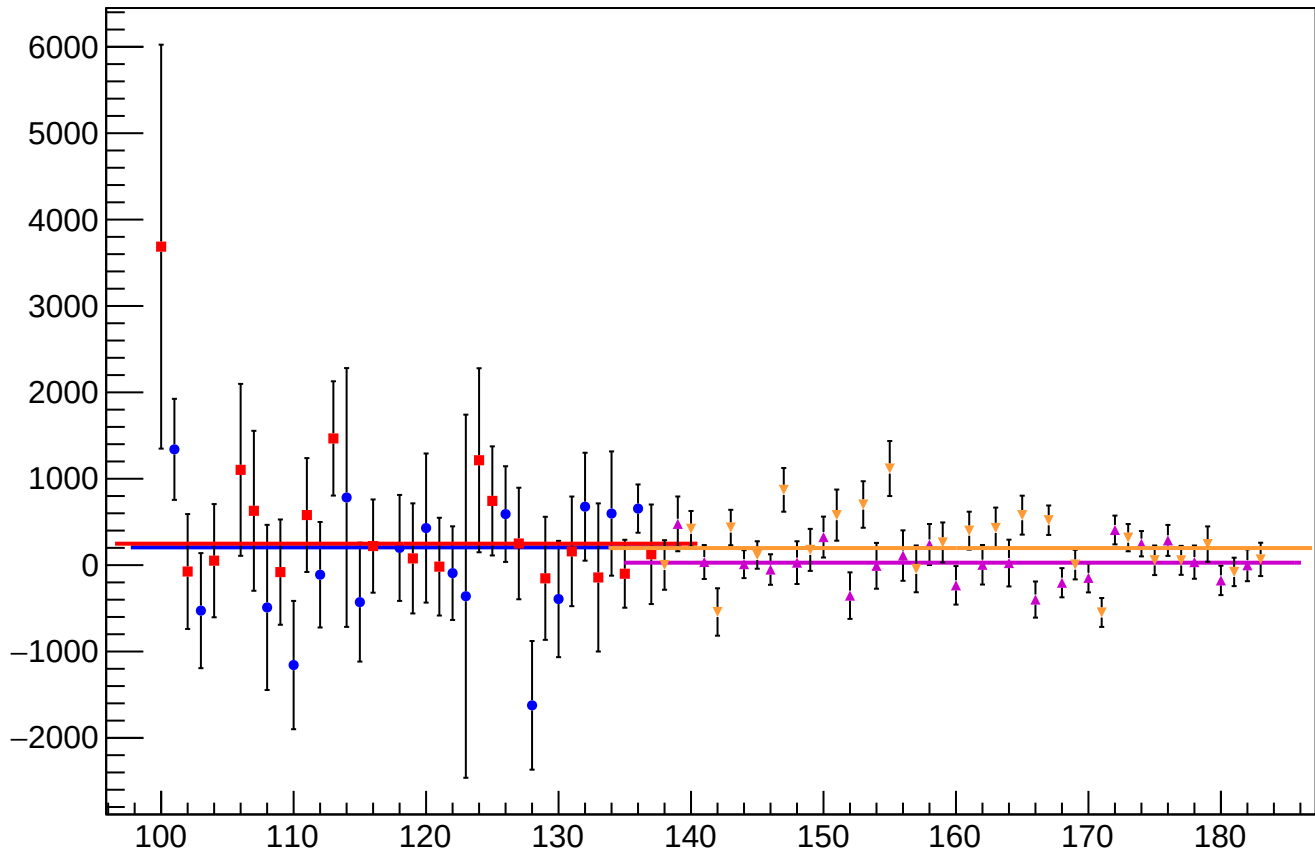
Left In: 20.360 $\pm$ 0.003 χ^2 /NDF: 288763.6/21

+ sign 21.347 $\pm$ 0.003 χ^2 /NDF: 1497455.8/40

All: 21.452 $\pm$ 0.002 χ^2 /NDF: 3111149.3/81

- sign 21.561 $\pm$ 0.003 χ^2 /NDF: 1611357.3/40

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 205.606 ± 148.196 χ^2/NDF : 21.3/16

Left Out: 197.674 ± 41.793 χ^2/NDF : 66.7/23

Right Out: 248.324 ± 150.188 χ^2/NDF : 10.4/18

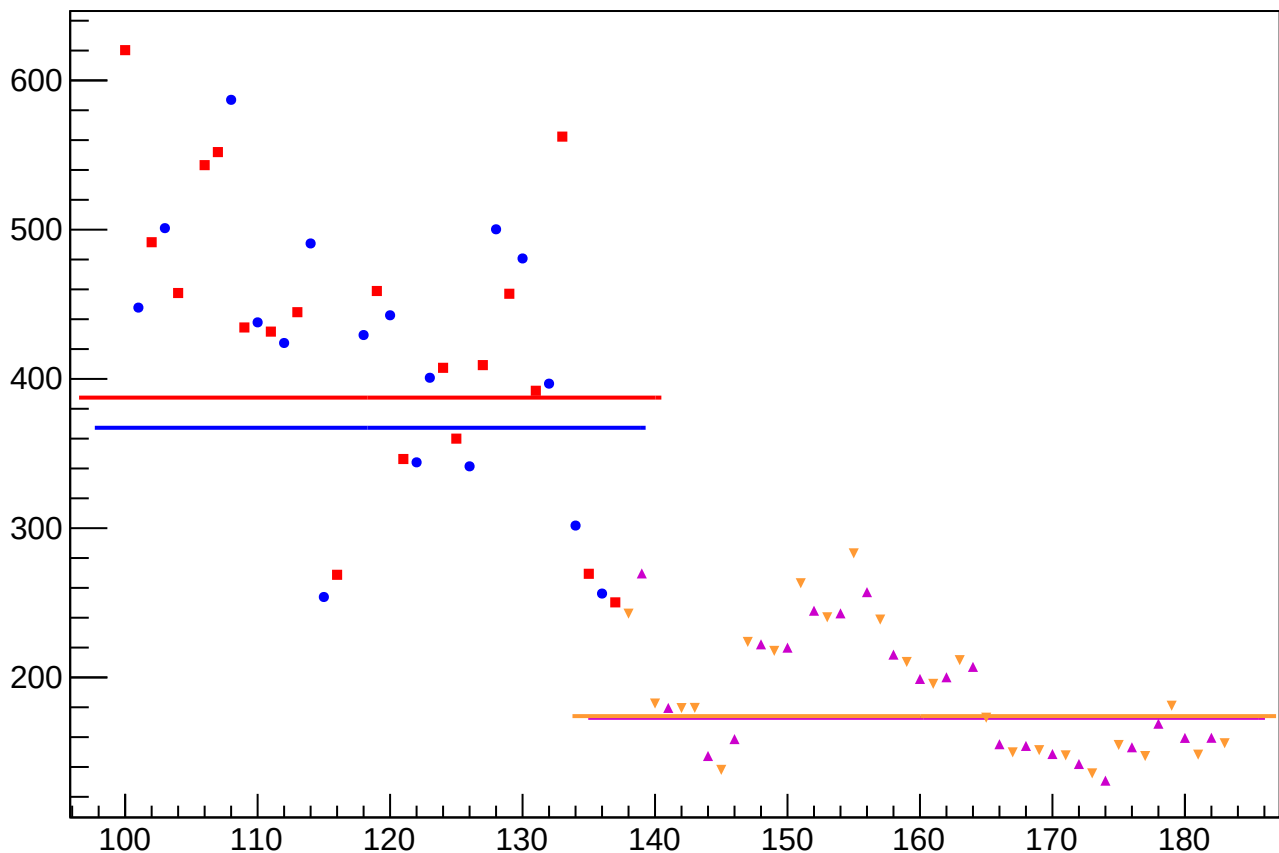
Left In: 28.146 ± 42.681 χ^2/NDF : 26.2/21

+ sign 198.258 ± 40.224 χ^2/NDF : 88.0/40

All: 123.000 ± 28.732 χ^2/NDF : 133.8/81

- sign 44.599 ± 41.055 χ^2/NDF : 38.6/40

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.272 $\pm$ 0.105 χ^2 /NDF: 829589.7/16

Left Out: 174.077 $\pm$ 0.030 χ^2 /NDF: 1523533.6/23

Right Out: 387.481 $\pm$ 0.106 χ^2 /NDF: 774967.1/18

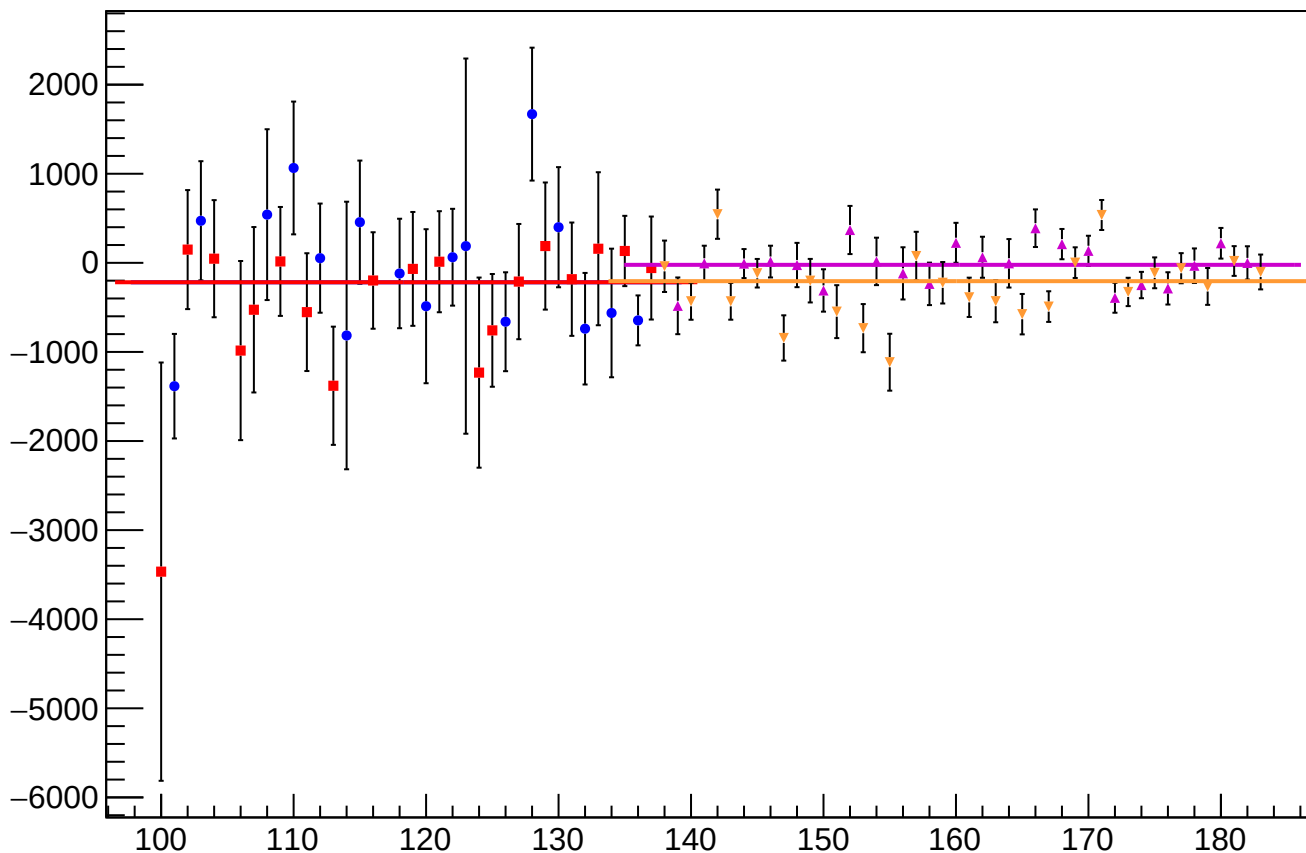
Left In: 172.929 $\pm$ 0.030 χ^2 /NDF: 1371517.8/21

+ sign 188.310 $\pm$ 0.028 χ^2 /NDF: 5501720.3/40

All: 188.629 $\pm$ 0.020 χ^2 /NDF: 11424984.0/83

- sign 188.961 $\pm$ 0.029 χ^2 /NDF: 5923006.8/40

asym_sam_1357_2468_dd_mean vs Slug



Right In: -218.471 ± 148.628 χ^2/NDF : 21.5/16

Left Out: -205.718 ± 42.121 χ^2/NDF : 62.8/23

Right Out: -217.922 ± 150.640 χ^2/NDF : 9.8/18

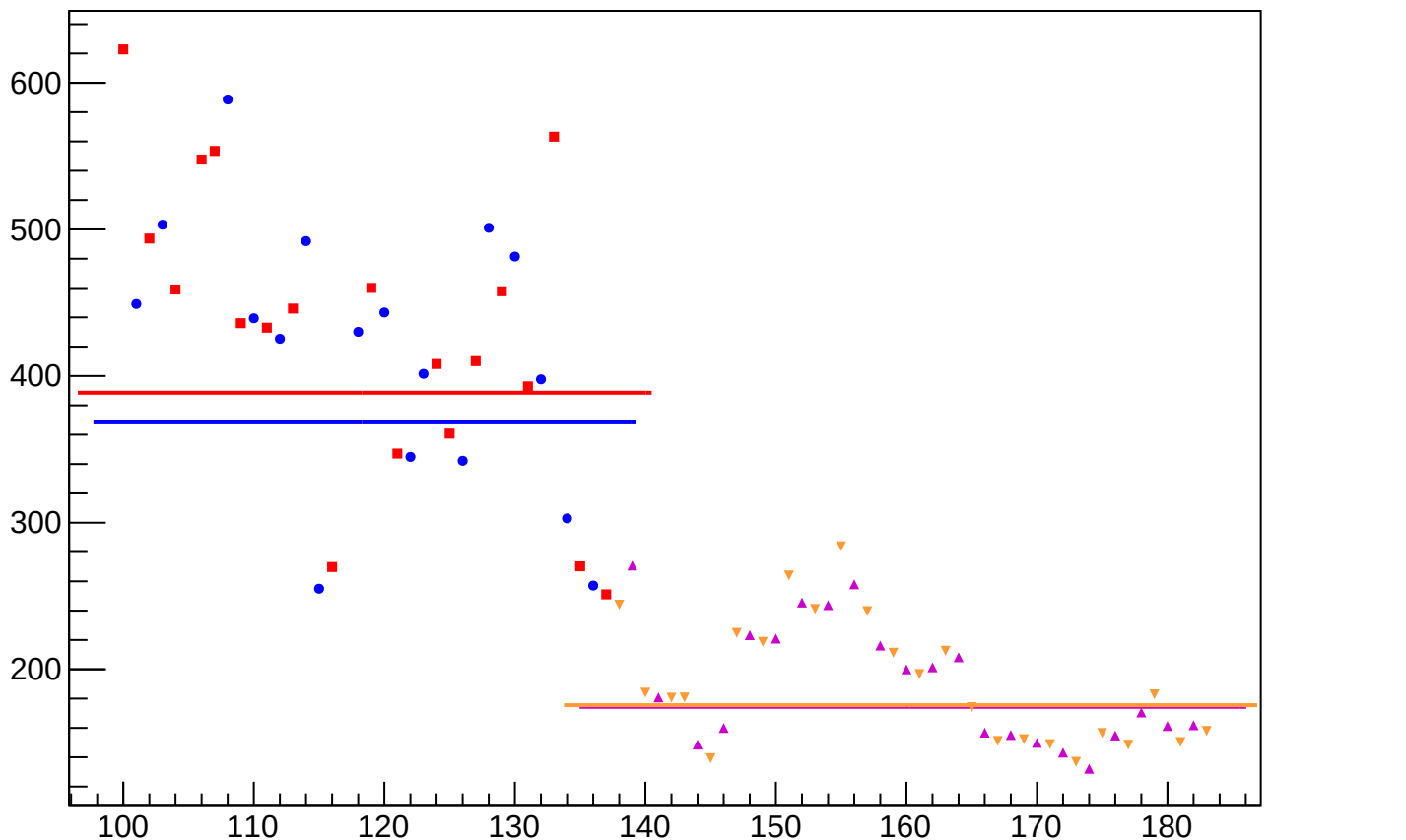
Left In: -22.485 ± 43.019 χ^2/NDF : 25.9/21

+ sign -206.667 ± 40.525 χ^2/NDF : 84.2/40

All: -123.682 ± 28.948 χ^2/NDF : 130.0/81

- sign -37.221 ± 41.365 χ^2/NDF : 37.2/40

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.392 $\pm$ 0.105 χ^2 /NDF: 826964.8/16

Left Out: 175.522 $\pm$ 0.030 χ^2 /NDF: 1494224.9/23

Right Out: 388.611 $\pm$ 0.107 χ^2 /NDF: 775115.8/18

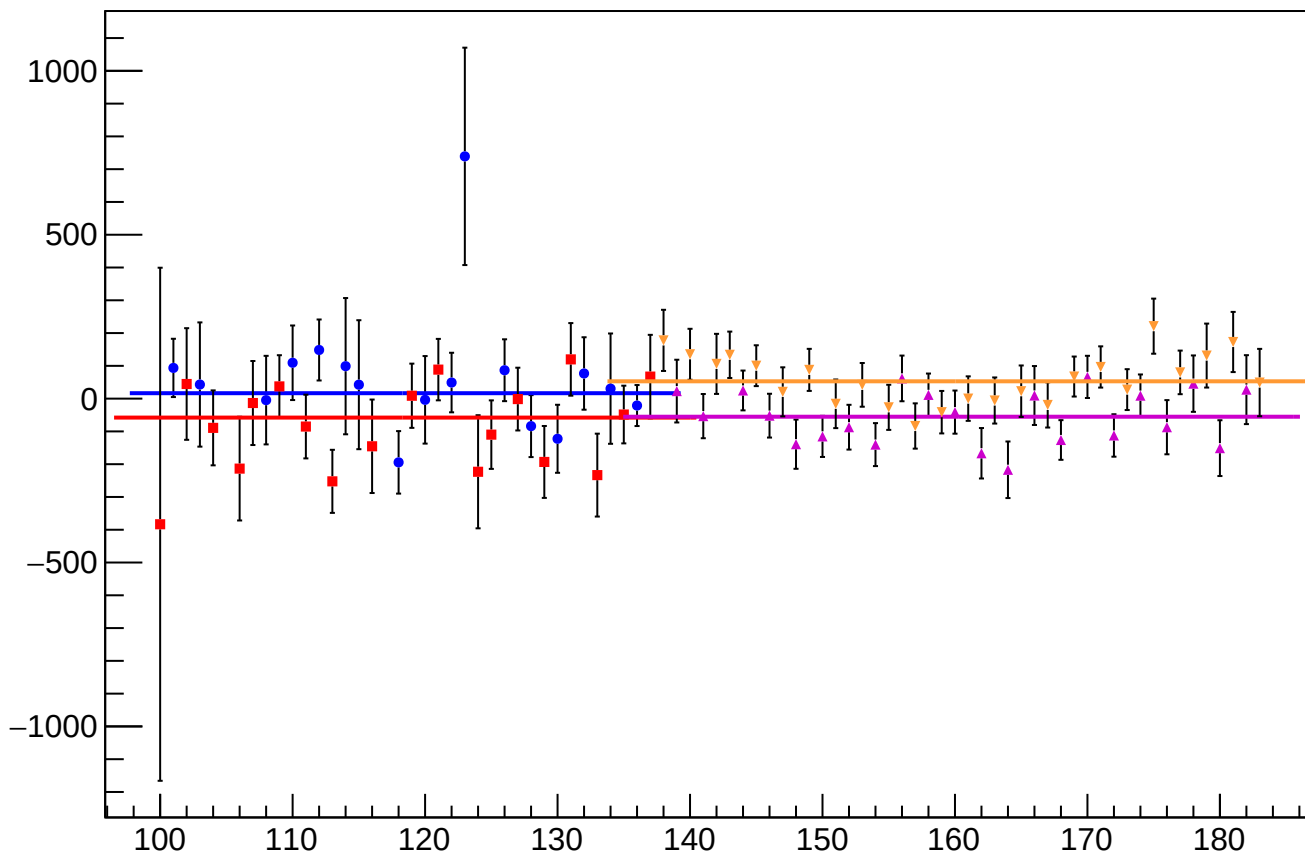
Left In: 174.374 $\pm$ 0.030 χ^2 /NDF: 1344337.2/21

+ sign 189.860 $\pm$ 0.029 χ^2 /NDF: 5438693.8/40

All: 190.187 $\pm$ 0.020 χ^2 /NDF: 11298591.9/83

- sign 190.528 $\pm$ 0.029 χ^2 /NDF: 5859632.0/40

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 16.561 $\pm$ 26.377 χ^2/NDF : 17.6/16

Left Out: 52.840 $\pm$ 14.744 χ^2/NDF : 23.6/23

Right Out: -57.839 $\pm$ 26.196 χ^2/NDF : 18.7/18

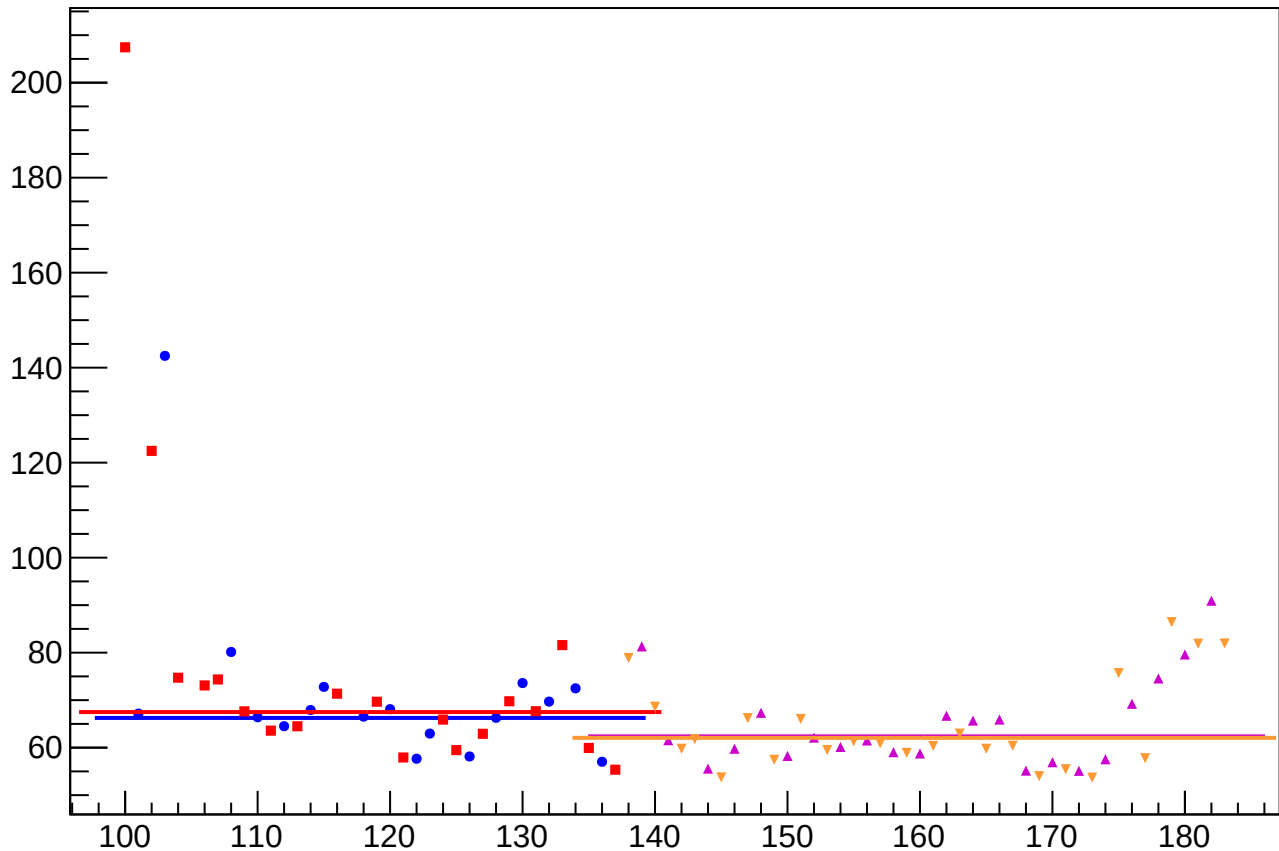
Left In: -55.205 $\pm$ 15.240 χ^2/NDF : 26.6/21

+ sign 44.204 $\pm$ 12.870 χ^2/NDF : 42.6/40

All: -4.669 $\pm$ 9.205 χ^2/NDF : 117.5/81

- sign -55.871 $\pm$ 13.173 χ^2/NDF : 45.3/40

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.252 $\pm$ 0.019 χ^2 /NDF: 439625.4/16

Left Out: 62.062 $\pm$ 0.010 χ^2 /NDF: 597867.9/23

Right Out: 67.493 $\pm$ 0.019 χ^2 /NDF: 392346.8/18

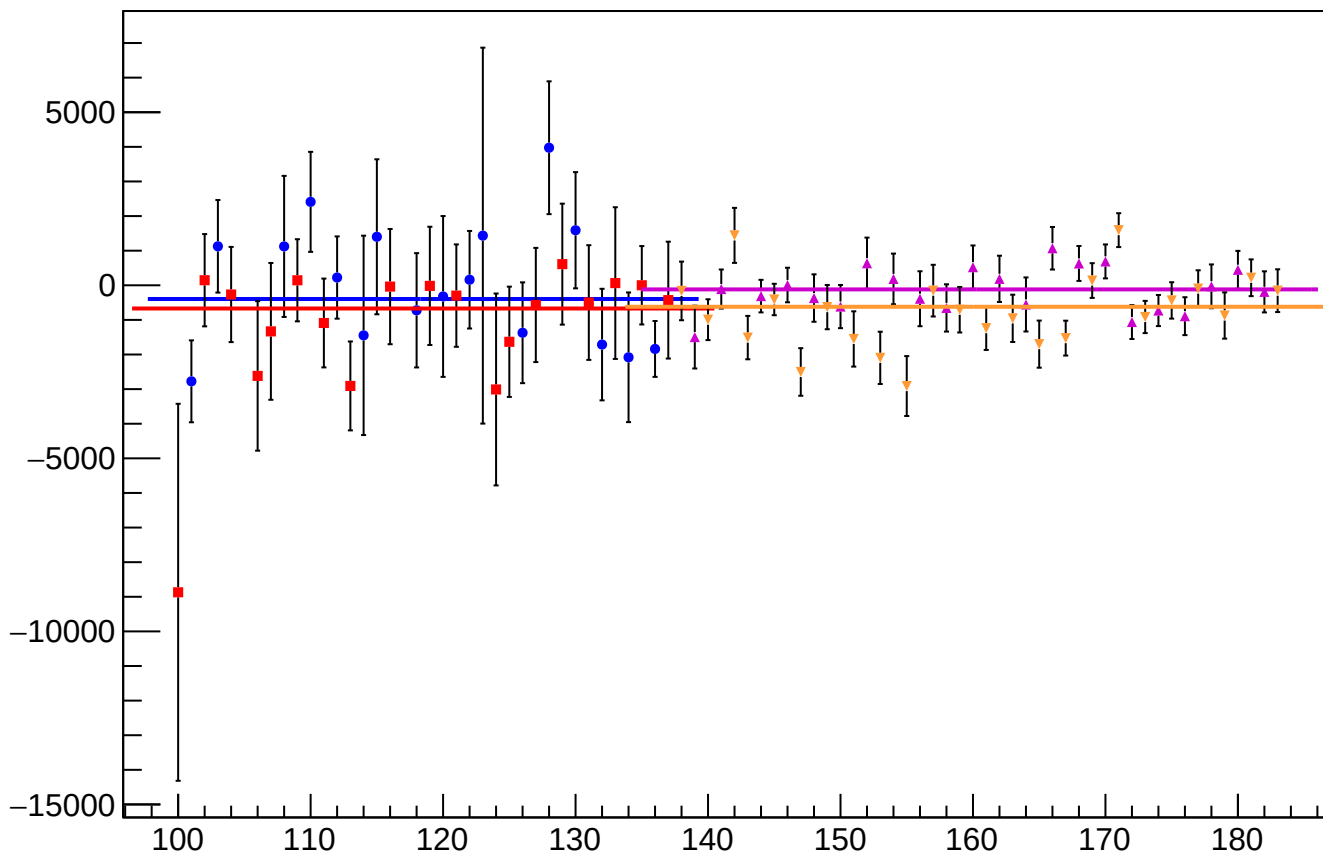
Left In: 62.373 $\pm$ 0.011 χ^2 /NDF: 512800.0/21

+ sign 63.060 $\pm$ 0.009 χ^2 /NDF: 1075953.4/40

All: 63.357 $\pm$ 0.007 χ^2 /NDF: 2040370.2/81

- sign 63.668 $\pm$ 0.009 χ^2 /NDF: 962237.1/40

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -395.700+/-367.296 χ^2/NDF : 22.7/16

Left Out: -620.834+/-123.376 χ^2/NDF : 64.2/23

Right Out: -670.465+/-362.692 χ^2/NDF : 9.7/18

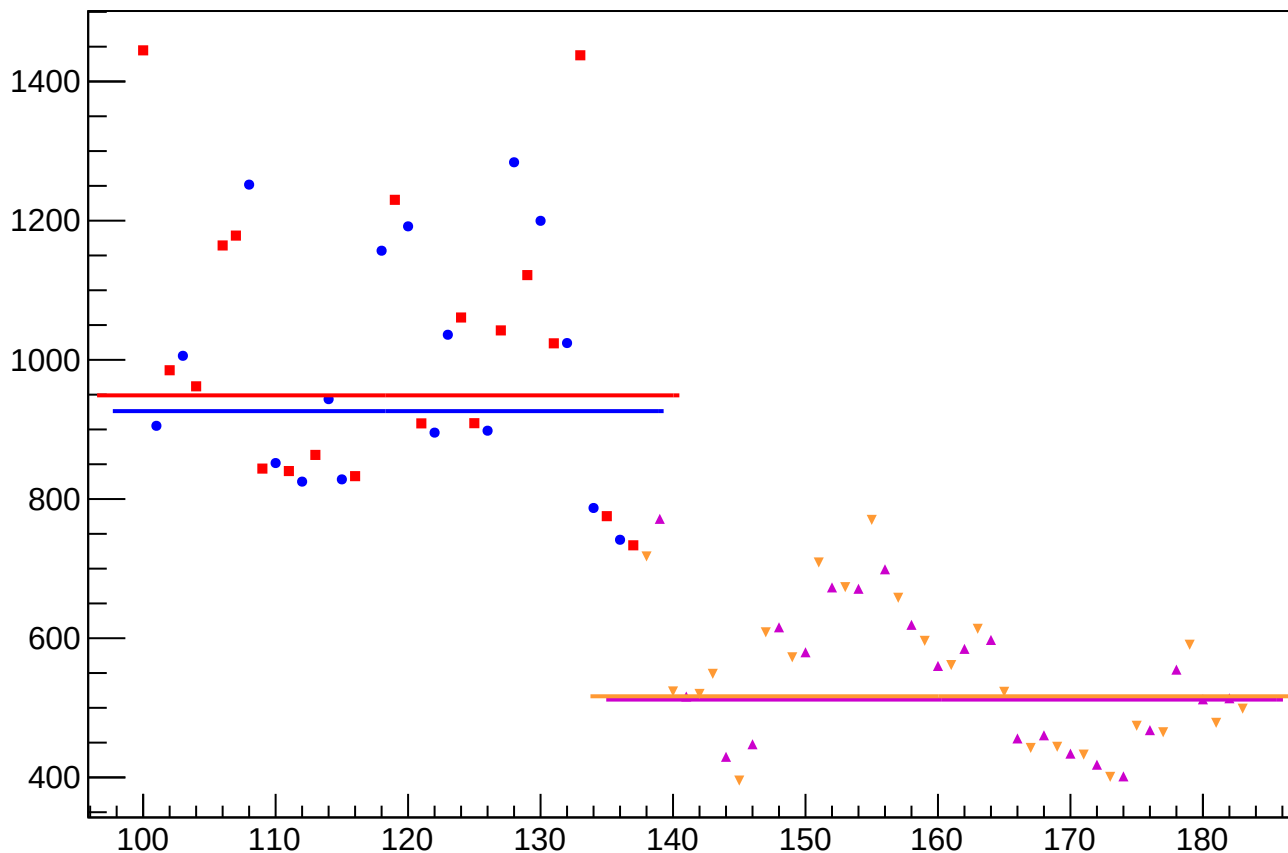
Left In: -118.632+/-125.703 χ^2/NDF : 24.1/21

+ sign -598.008+/-116.954 χ^2/NDF : 87.2/40

All: -391.149+/-83.334 χ^2/NDF : 129.5/81

- sign -177.810+/-118.772 χ^2/NDF : 35.9/40

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 926.339 $\pm$ 0.260 χ^2 /NDF: 395813.5/16

Left Out: 516.581 $\pm$ 0.087 χ^2 /NDF:1173398.5/23

Right Out: 948.981 $\pm$ 0.256 χ^2 /NDF: 382928.4/18

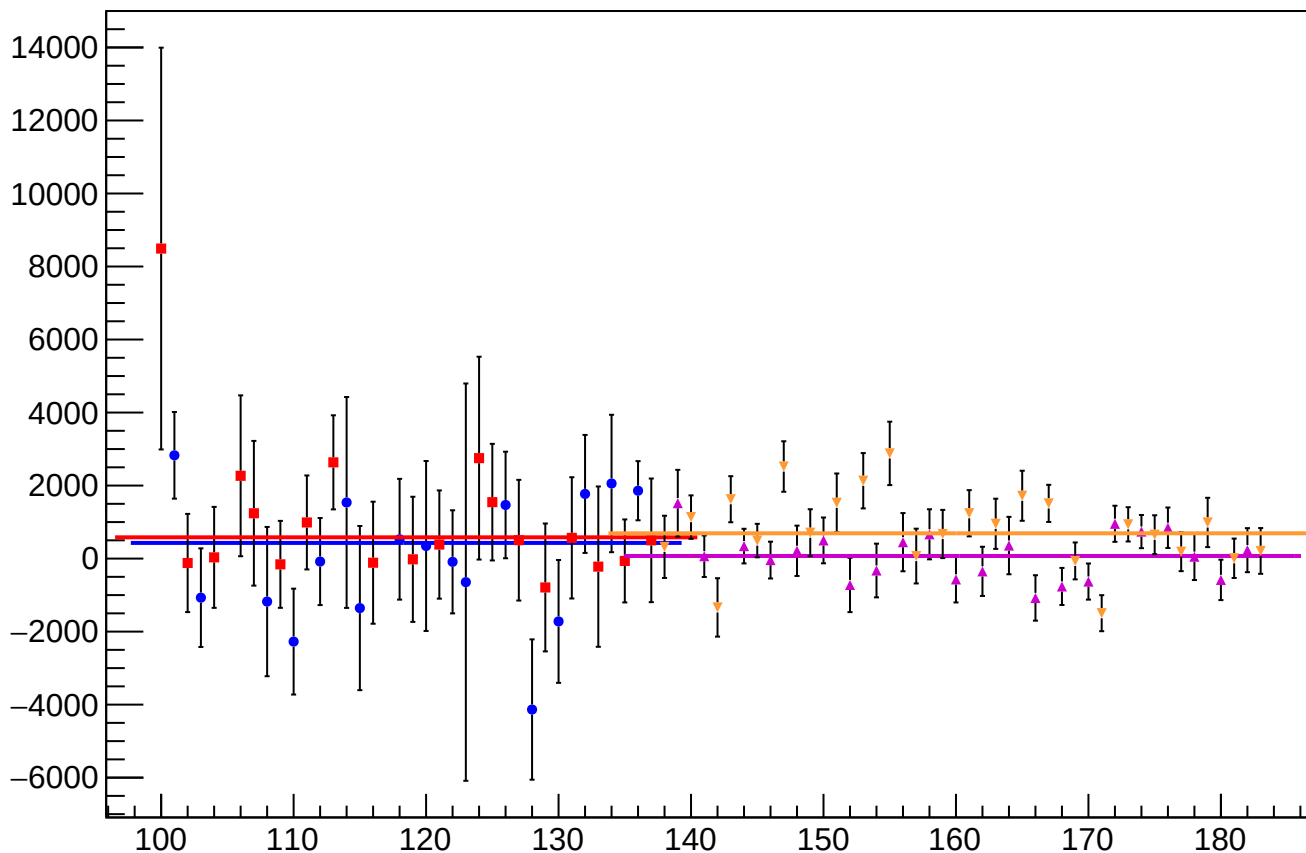
Left In: 511.838 $\pm$ 0.089 χ^2 /NDF:1040238.8/21

+ sign 558.127 $\pm$ 0.083 χ^2 /NDF: 3805993.8/40

All: 558.417 $\pm$ 0.059 χ^2 /NDF: 7822975.6/81

- sign 558.717 $\pm$ 0.084 χ^2 /NDF: 4016956.8/40

asym_sam_12345678_avg_mean vs Slug



Right In: 429.343 $\pm$ 368.550 χ^2 /NDF: 22.9/16

Left Out: 692.629 $\pm$ 124.413 χ^2 /NDF: 59.5/23

Right Out: 582.178 $\pm$ 364.139 χ^2 /NDF: 8.6/18

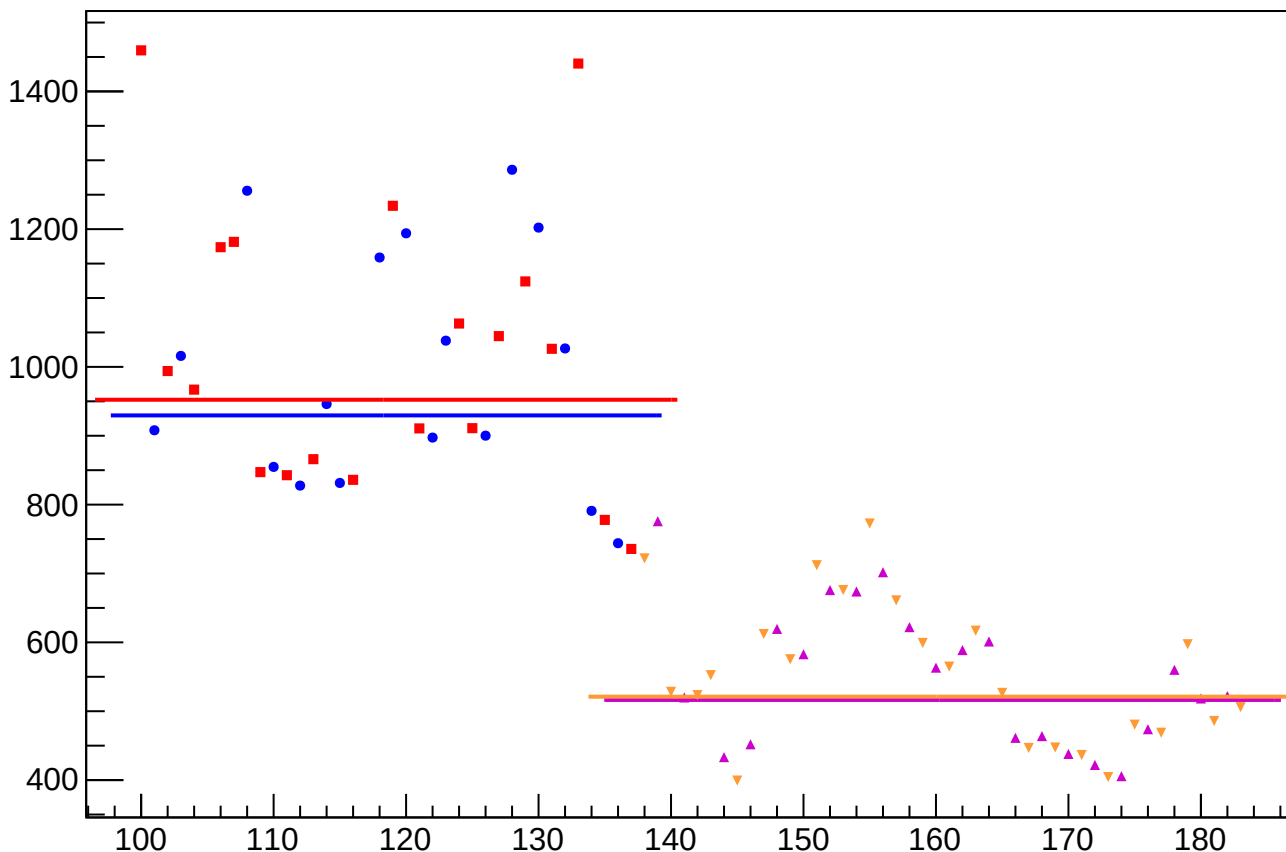
Left In: 71.418 $\pm$ 126.778 χ^2 /NDF: 24.2/21

+ sign 665.695 $\pm$ 117.878 χ^2 /NDF: 82.8/40

All: 400.365 $\pm$ 83.999 χ^2 /NDF: 127.7/81

- sign 126.636 $\pm$ 119.729 χ^2 /NDF: 34.6/40

asym_sam_12345678_avg_rms vs Slug



Right In: 929.549 $\pm$ 0.261 χ^2 /NDF: 394903.7/16

Left Out: 521.096 $\pm$ 0.088 χ^2 /NDF:1150796.2/23

Right Out: 952.283 $\pm$ 0.257 χ^2 /NDF: 383199.7/18

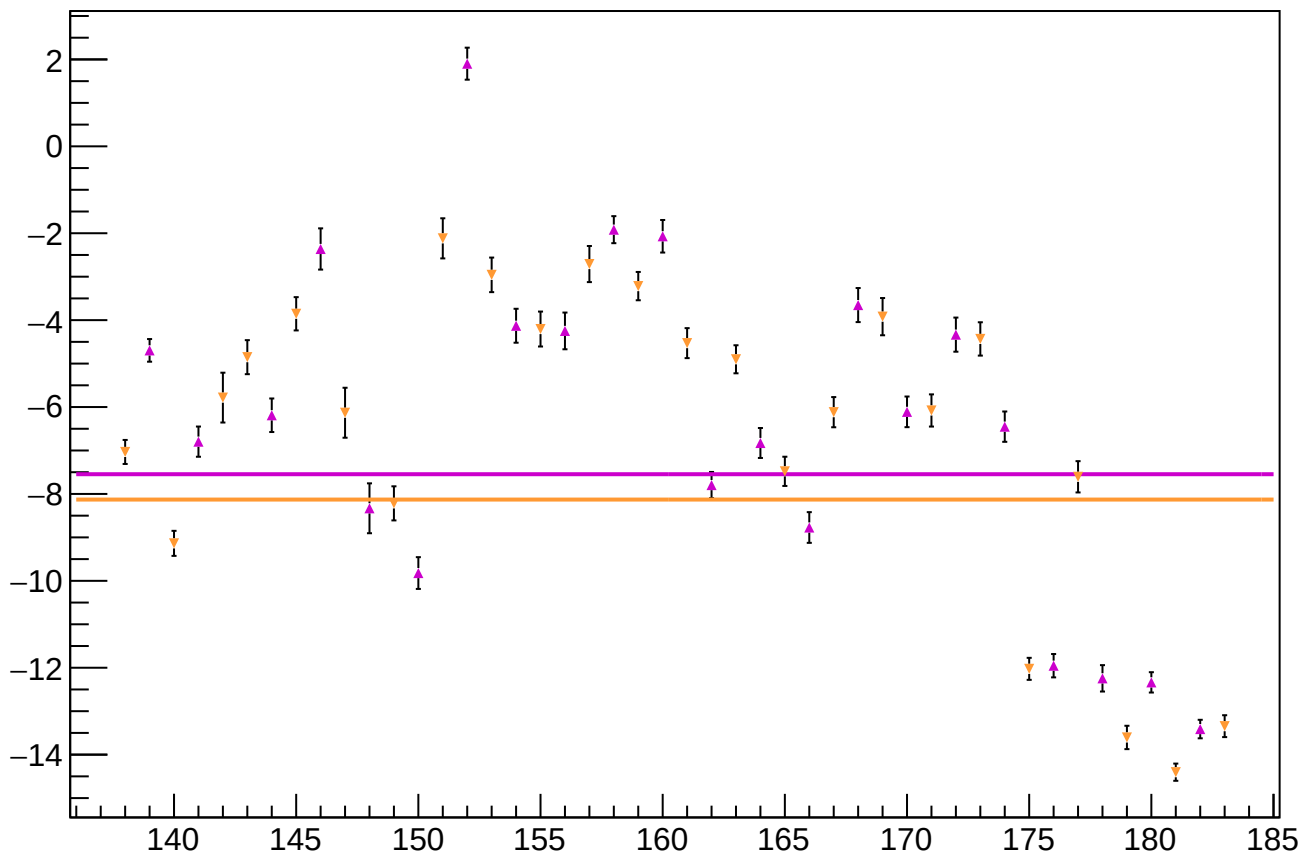
Left In: 516.379 $\pm$ 0.090 χ^2 /NDF:1019984.0/21

+ sign 562.880 $\pm$ 0.083 χ^2 /NDF: 3750928.8/40

All: 563.188 $\pm$ 0.059 χ^2 /NDF: 7710314.5/81

- sign 563.504 $\pm$ 0.085 χ^2 /NDF: 3959358.1/40

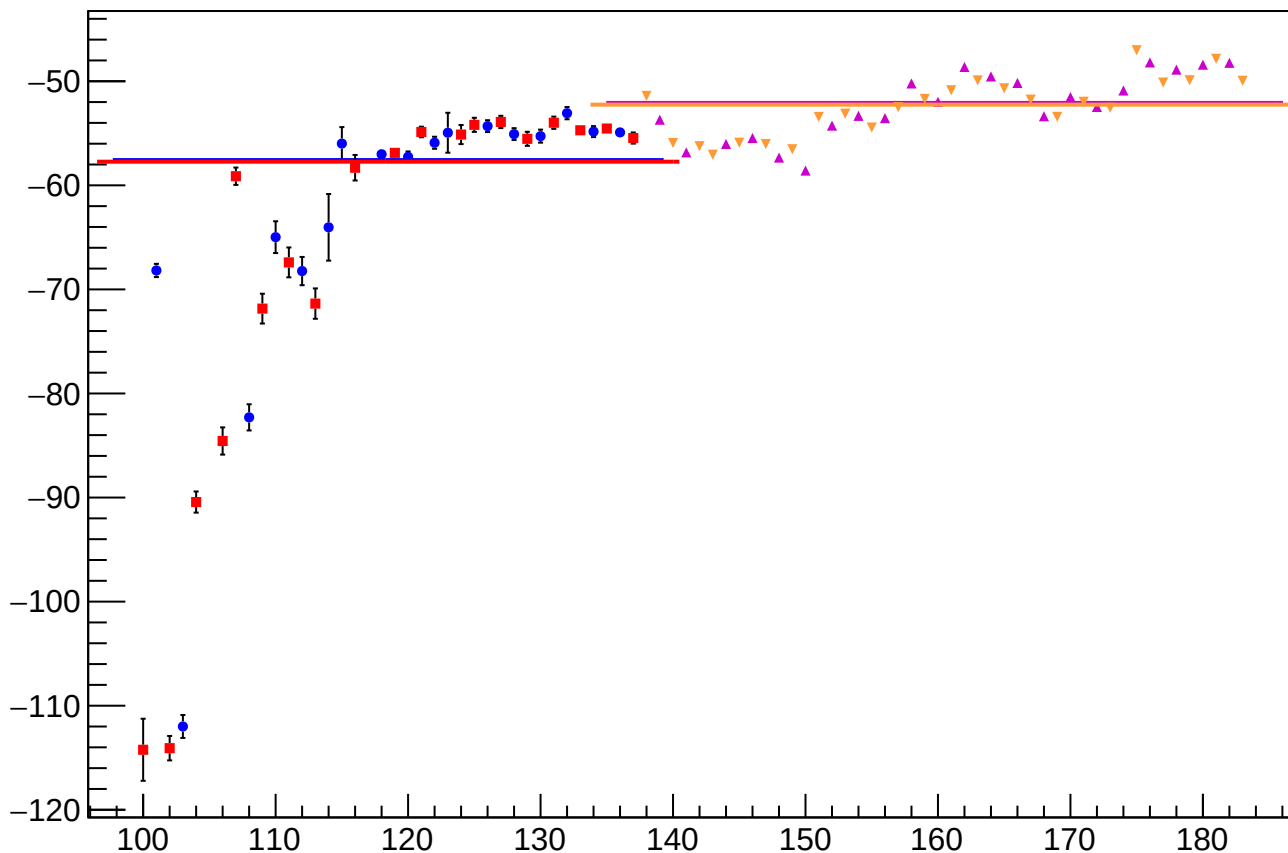
reg_asym_sam1_diff_bpm1X_slope vs Slug



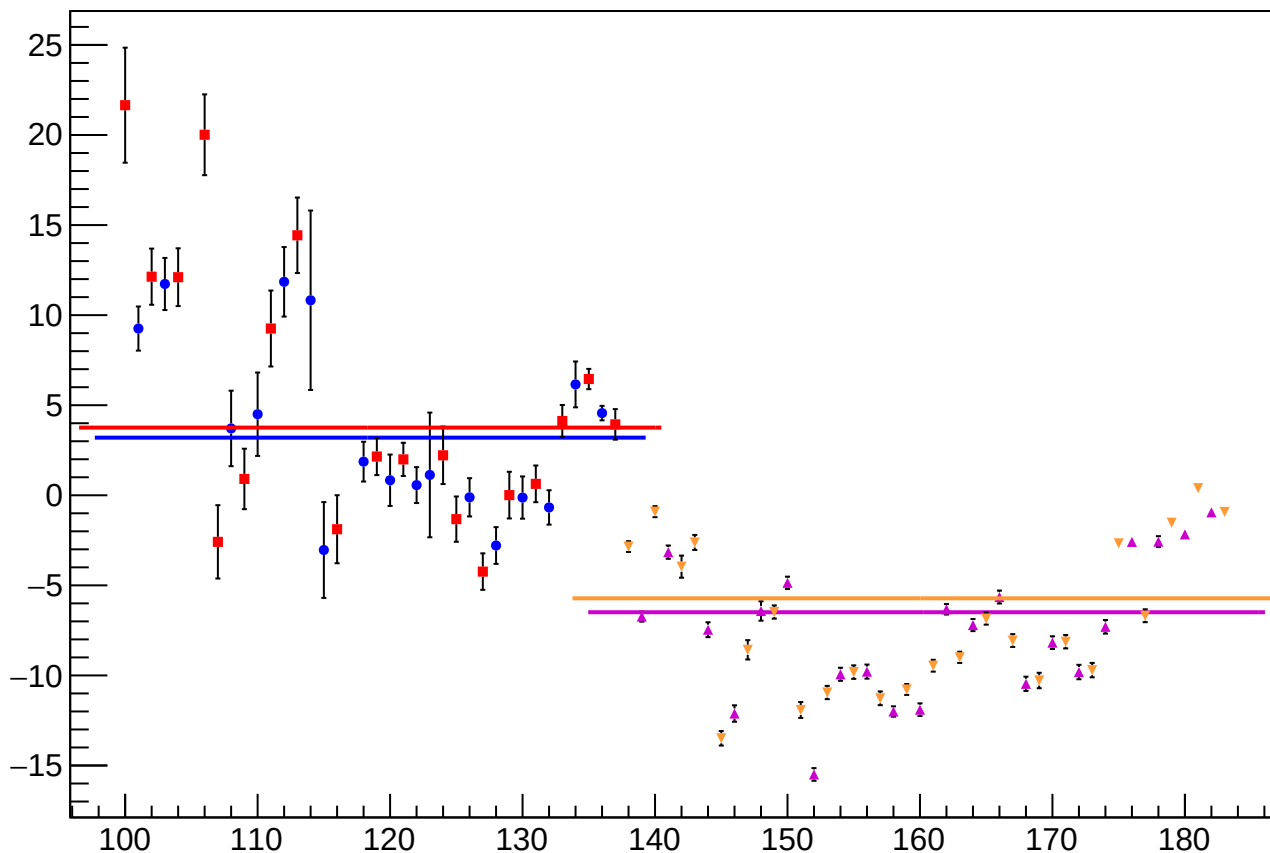
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.129+/-0.068 χ^2/NDF : 3635.4/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.546+/-0.070 χ^2/NDF : 3527.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -7.847+/-0.049 χ^2/NDF : 7198.8/45
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam1_diff_bpm4aY_slope vs Slug



reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.200 ± 0.259 χ^2/NDF : 184.7/16

Left Out: -5.719 ± 0.068 χ^2/NDF : 3982.9/23

Right Out: 3.758 ± 0.268 χ^2/NDF : 320.9/18

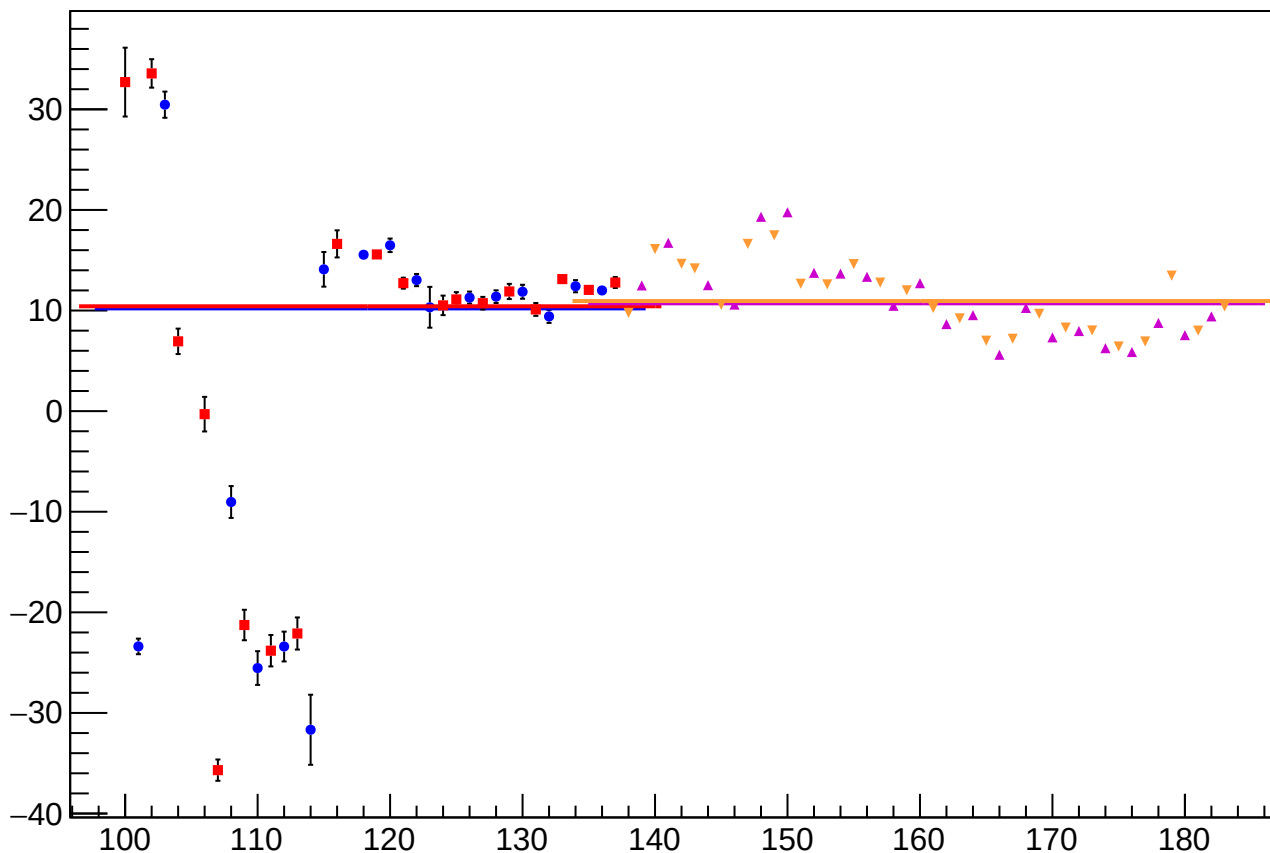
Left In: -6.492 ± 0.070 χ^2/NDF : 3250.5/21

+ sign -5.144 ± 0.066 χ^2/NDF : 5274.7/40

All: -5.483 ± 0.047 χ^2/NDF : 10270.2/81

- sign -5.840 ± 0.068 χ^2/NDF : 4941.0/40

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.213+/-0.158 χ^2 /NDF: 3680.0/16

Left Out: 10.944+/-0.062 χ^2 /NDF: 2628.5/23

Right Out: 10.422+/-0.160 χ^2 /NDF: 3826.2/18

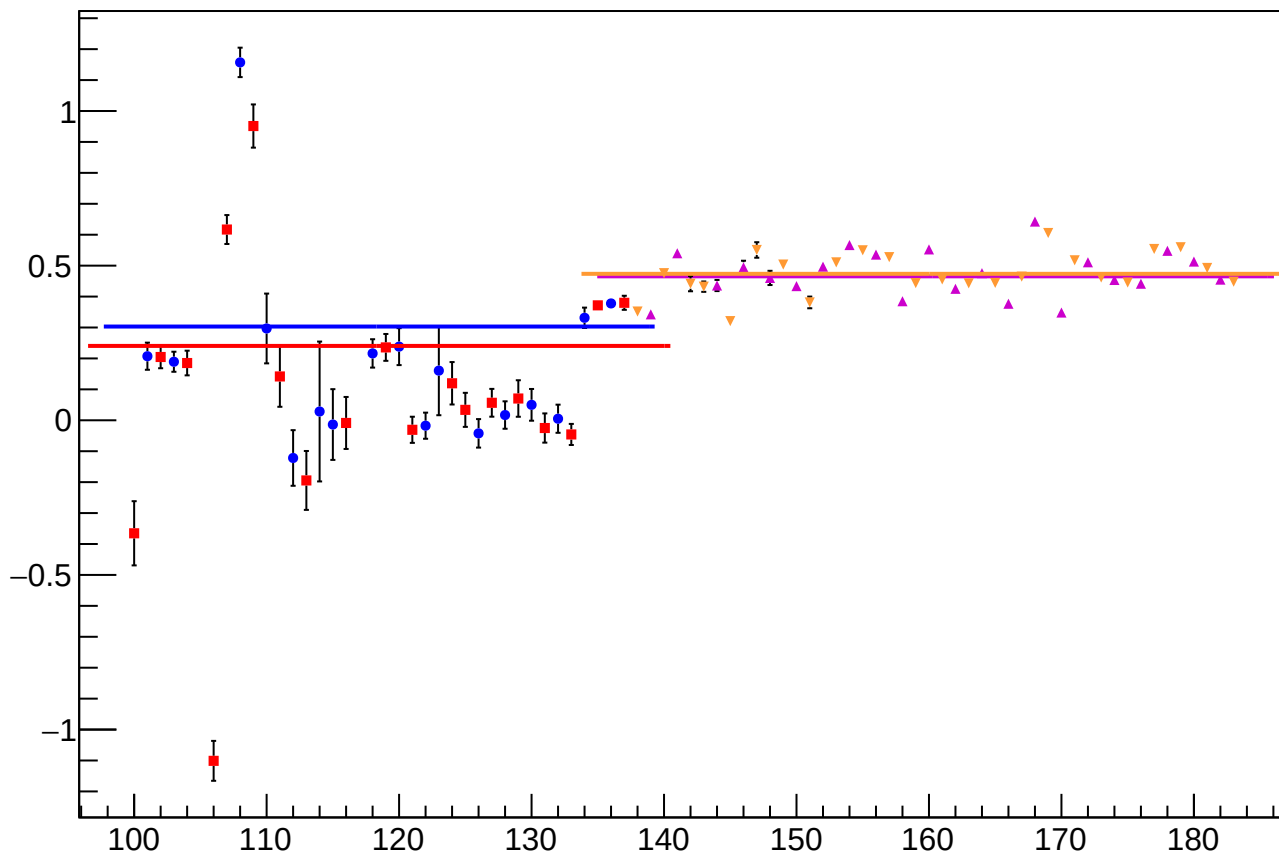
Left In: 10.716+/-0.064 χ^2 /NDF: 3461.9/21

+ sign 10.848+/-0.058 χ^2 /NDF: 6327.1/40

All: 10.764+/-0.041 χ^2 /NDF: 13622.5/81

- sign 10.675+/-0.059 χ^2 /NDF: 7291.1/40

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 647.2/16

Left Out: 0.474 $\pm$ 0.003 χ^2 /NDF: 507.8/23

Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 983.3/18

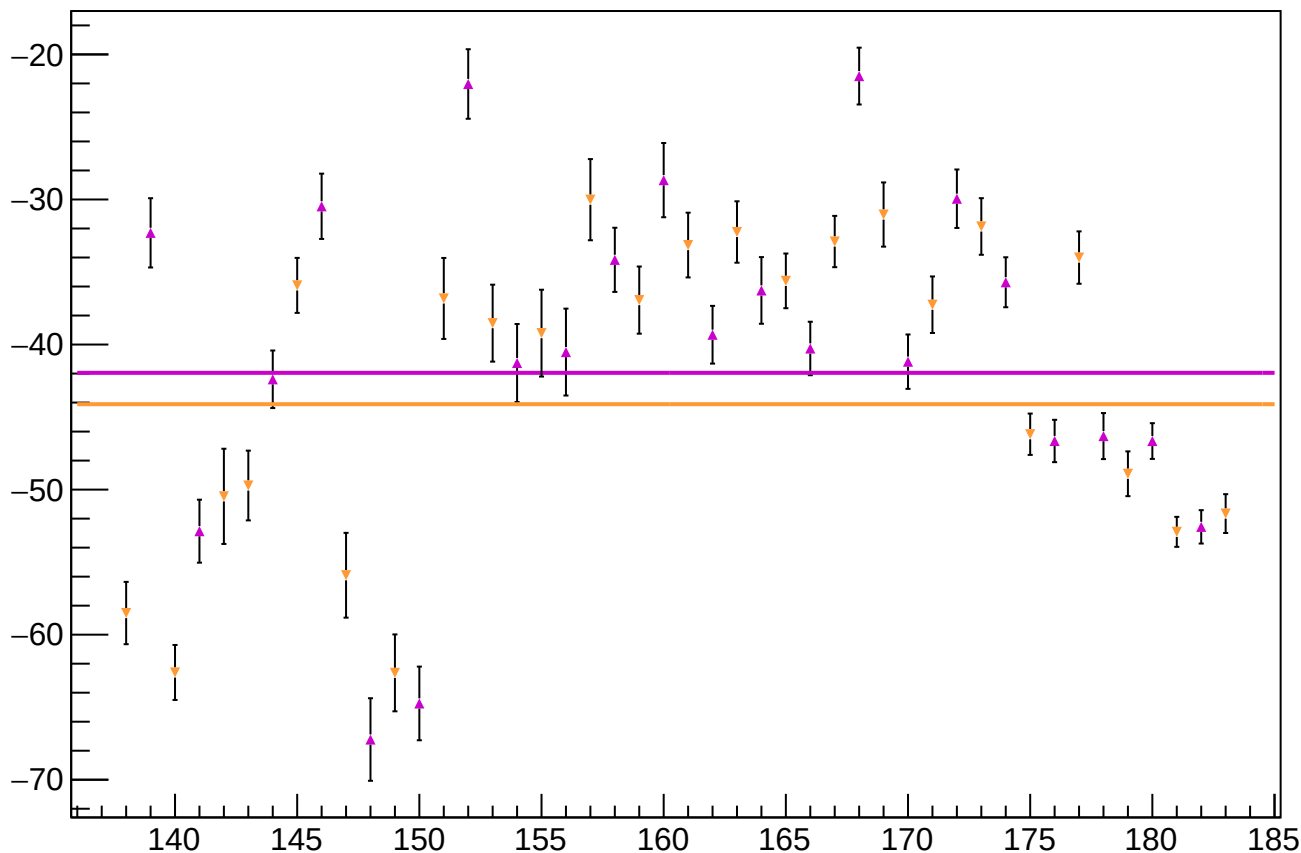
Left In: 0.465 $\pm$ 0.003 χ^2 /NDF: 726.9/21

+ sign 0.456 $\pm$ 0.003 χ^2 /NDF: 1540.6/40

All: 0.450 $\pm$ 0.002 χ^2 /NDF: 3888.7/81

- sign 0.443 $\pm$ 0.003 χ^2 /NDF: 2336.7/40

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -44.113+/-0.393 χ^2/NDF : 632.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

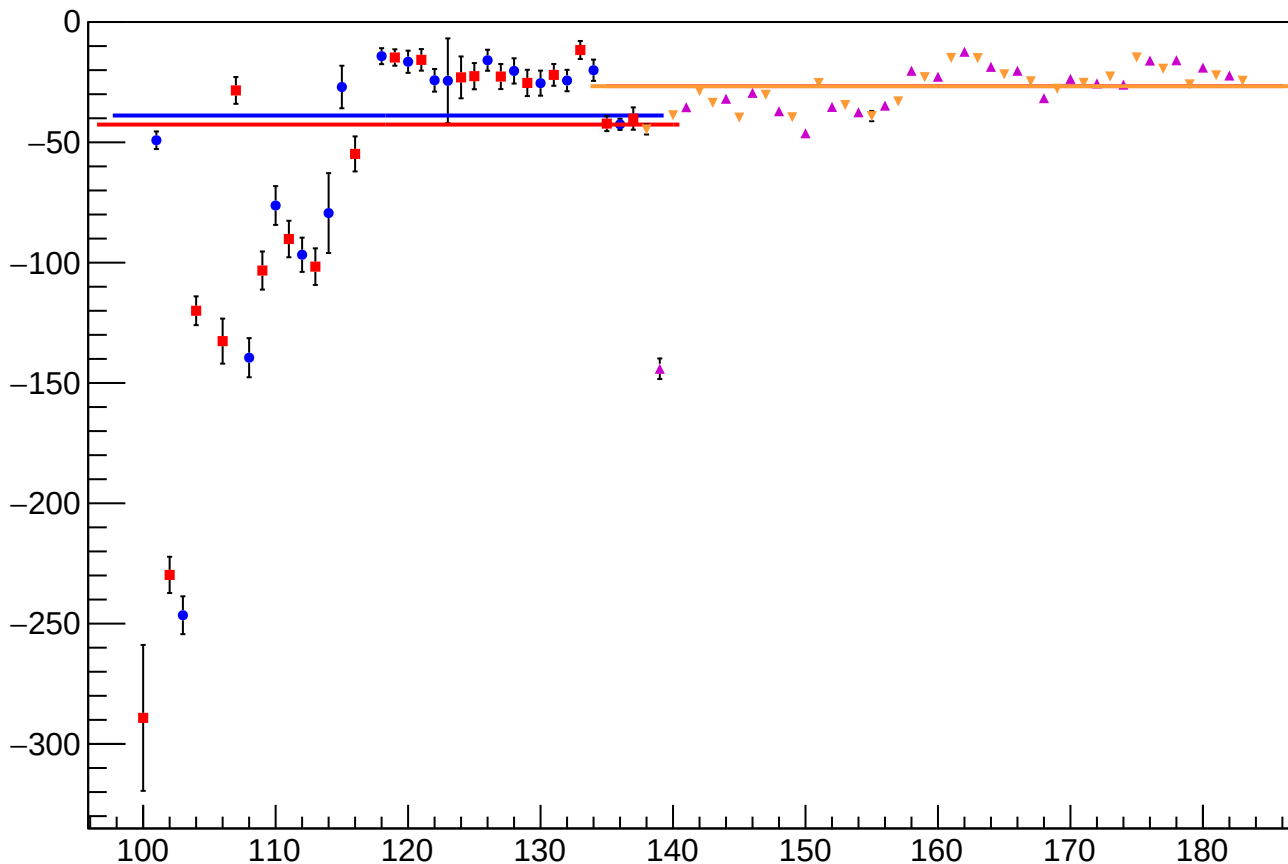
Left In: -41.950+/-0.407 χ^2/NDF : 620.1/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -43.067+/-0.283 χ^2/NDF : 1266.9/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.852 ± 1.150 χ^2/NDF : 1121.7/16

Left Out: -26.679 ± 0.319 χ^2/NDF : 606.5/23

Right Out: -42.616 ± 1.212 χ^2/NDF : 1345.6/18

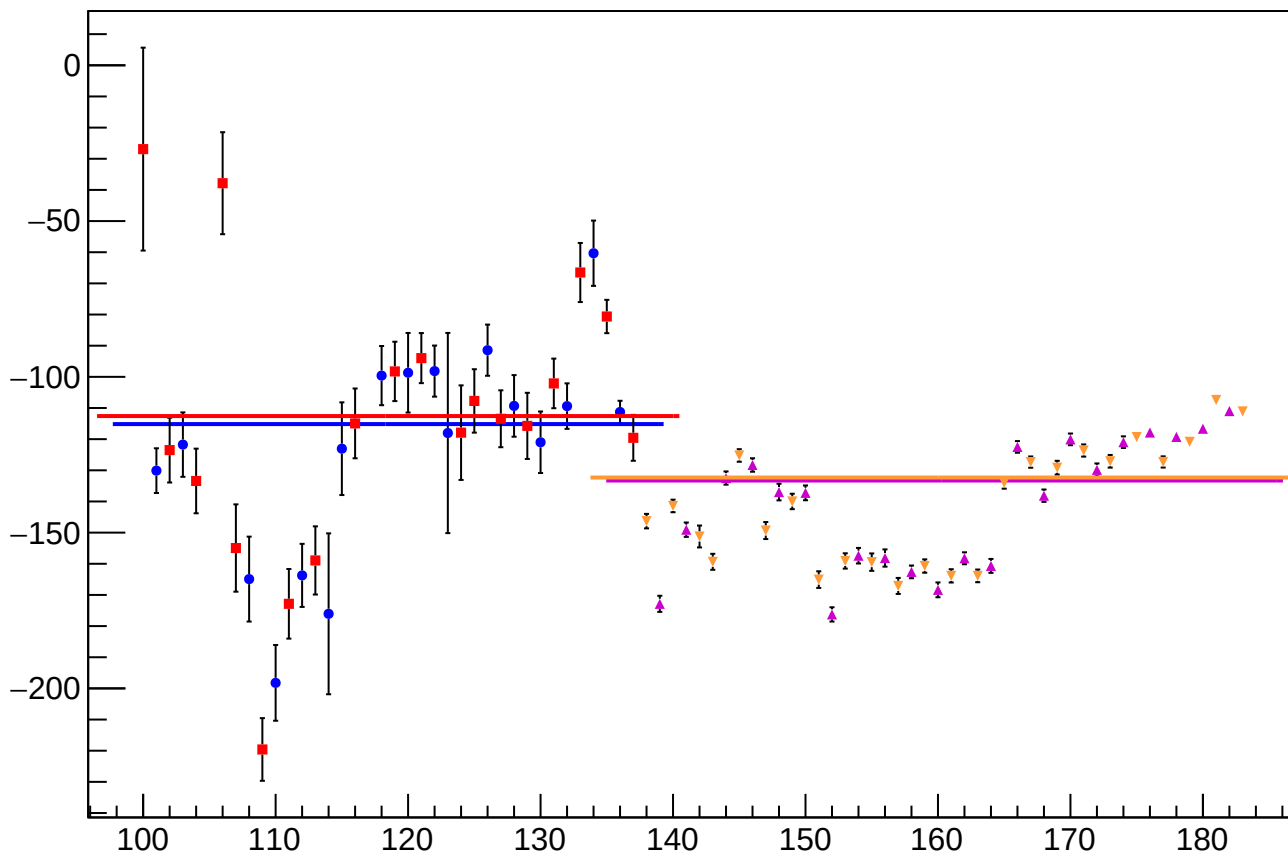
Left In: -26.624 ± 0.331 χ^2/NDF : 1386.5/21

+ sign -27.552 ± 0.308 χ^2/NDF : 1832.3/40

All: -27.638 ± 0.221 χ^2/NDF : 4726.7/81

- sign -27.732 ± 0.319 χ^2/NDF : 2894.2/40

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.163 ± 2.084 χ^2/NDF : 140.5/16

Left Out: -132.318 ± 0.396 χ^2/NDF : 2391.4/23

Right Out: -112.587 ± 2.213 χ^2/NDF : 272.4/18

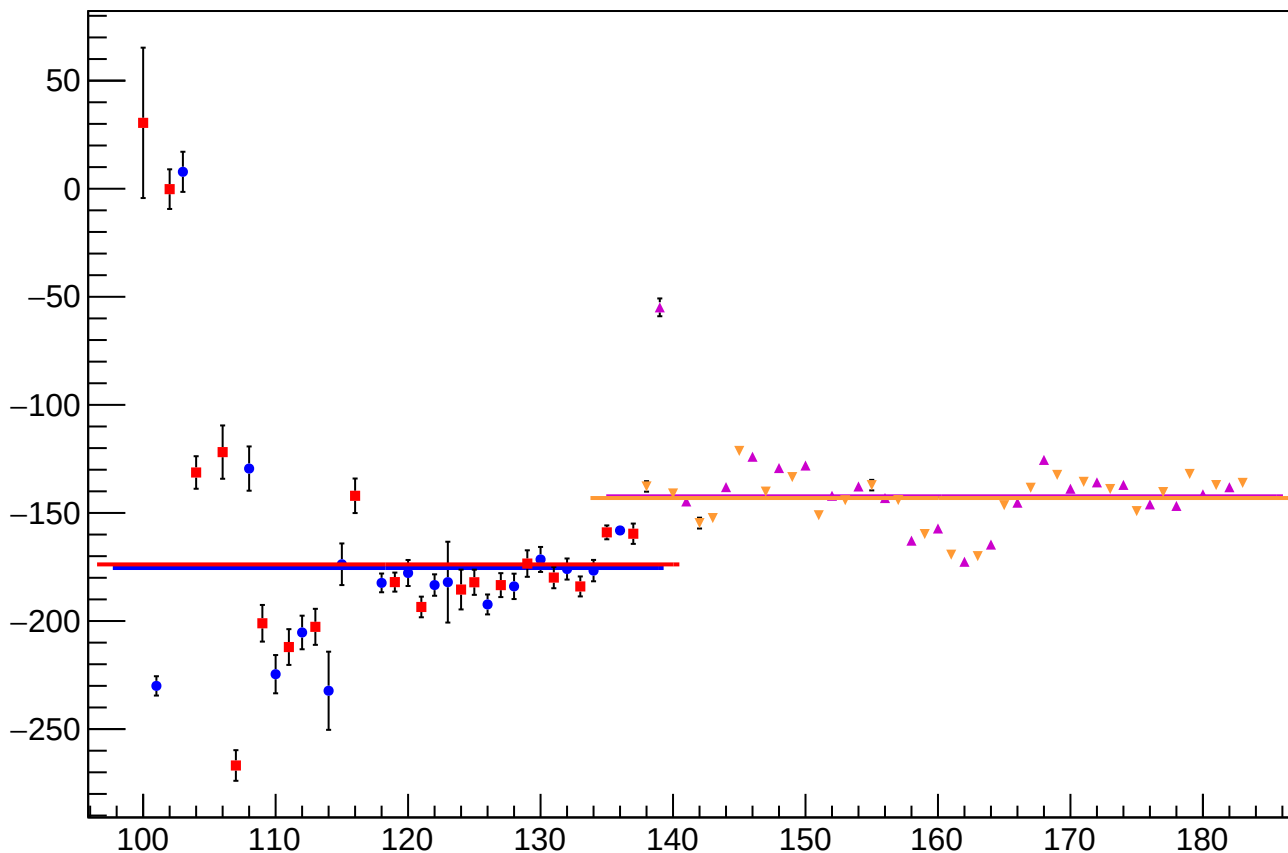
Left In: -133.274 ± 0.406 χ^2/NDF : 2419.0/21

+ sign -131.721 ± 0.389 χ^2/NDF : 2597.3/40

All: -132.148 ± 0.279 χ^2/NDF : 5375.8/81

- sign -132.600 ± 0.400 χ^2/NDF : 2776.0/40

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.476 ± 1.279 χ^2/NDF : 691.2/16

Left Out: -143.100 ± 0.358 χ^2/NDF : 1043.5/23

Right Out: -173.809 ± 1.359 χ^2/NDF : 738.0/18

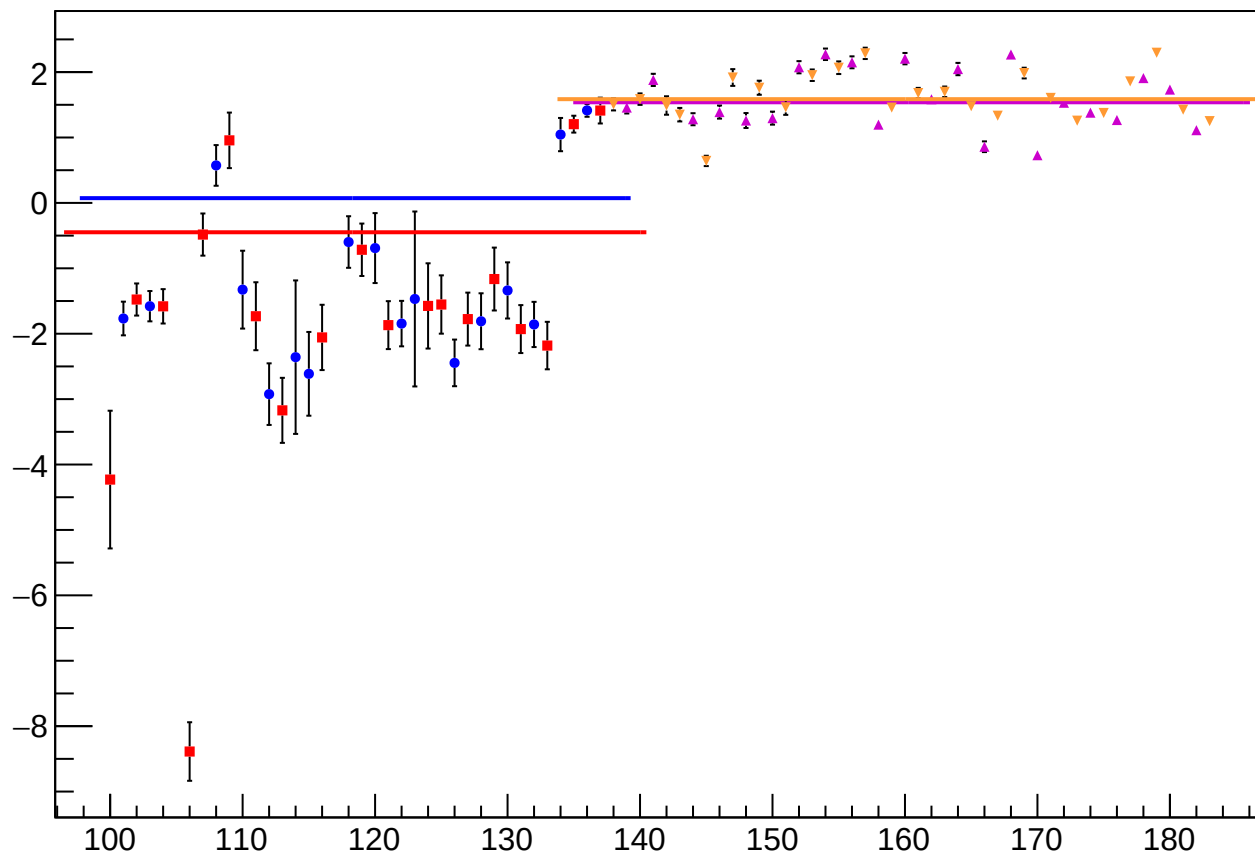
Left In: -142.303 ± 0.369 χ^2/NDF : 1490.7/21

+ sign -145.452 ± 0.345 χ^2/NDF : 2329.1/40

All: -144.974 ± 0.248 χ^2/NDF : 5062.4/81

- sign -144.465 ± 0.356 χ^2/NDF : 2729.4/40

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.073 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.586 ± 0.016 χ^2/NDF : 493.5/23

Right Out: -0.449 ± 0.071 χ^2/NDF : 750.7/18

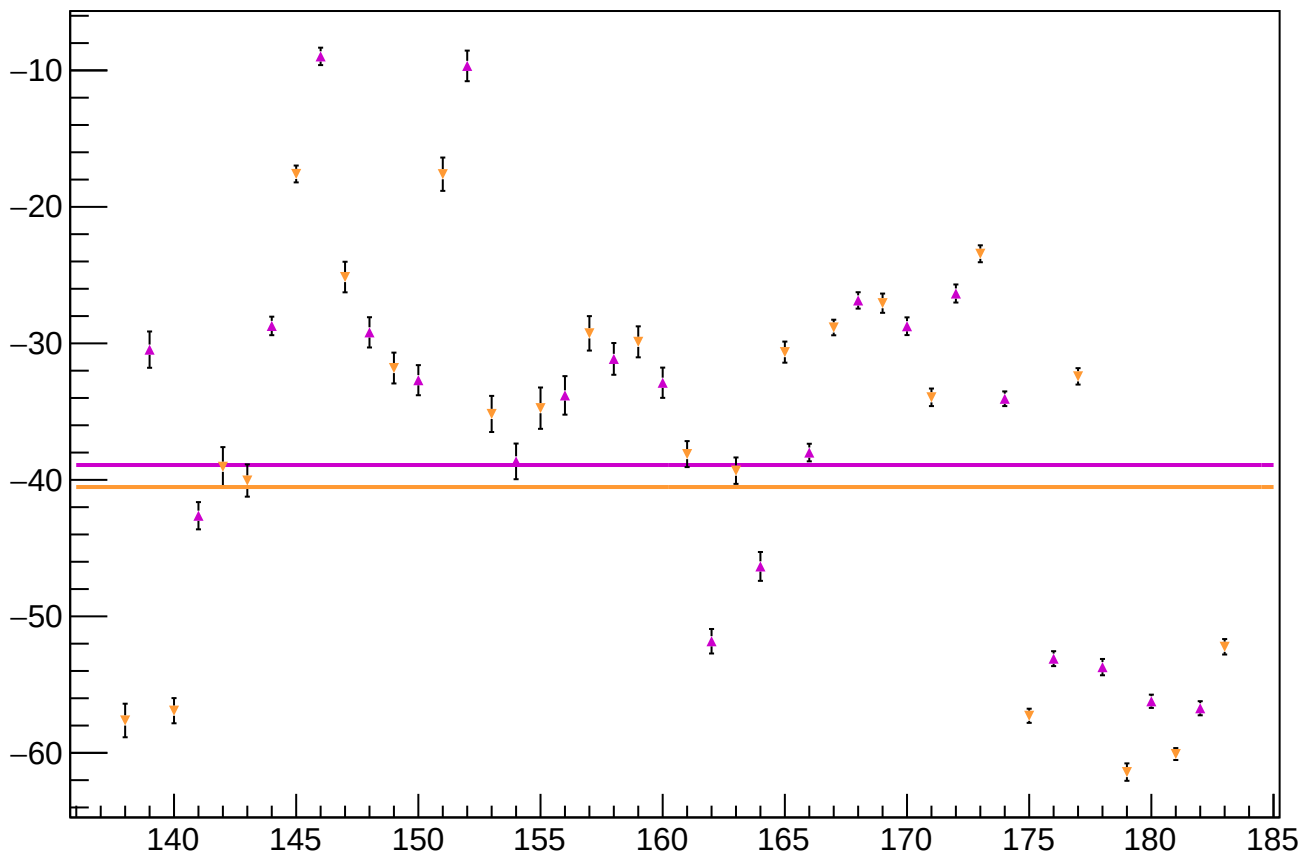
Left In: 1.538 ± 0.017 χ^2/NDF : 709.9/21

+ sign 1.501 ± 0.016 χ^2/NDF : 1497.3/40

All: 1.468 ± 0.011 χ^2/NDF : 3700.6/81

- sign 1.435 ± 0.016 χ^2/NDF : 2194.8/40

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

Left Out: -40.524 +/- 0.155 χ^2/NDF : 9232.2/23

Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

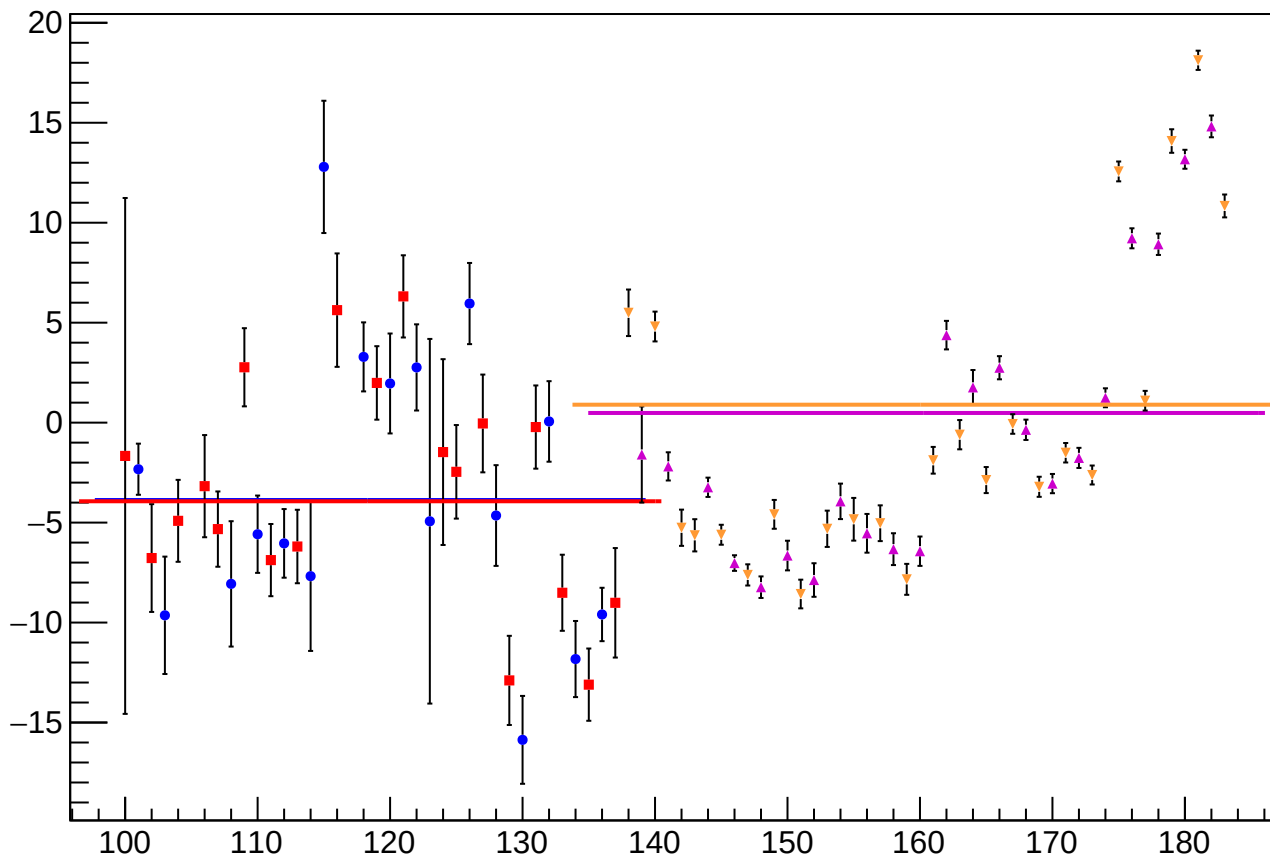
Left In: -38.911 +/- 0.157 χ^2/NDF : 8446.8/21

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -39.725 +/- 0.110 χ^2/NDF : 17732.5/45

- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.872 ± 0.499 $\chi^2/\text{NDF}: 161.0/16$

Left Out: 0.898 ± 0.126 $\chi^2/\text{NDF}: 3904.3/23$

Right Out: -3.933 ± 0.508 $\chi^2/\text{NDF}: 122.0/18$

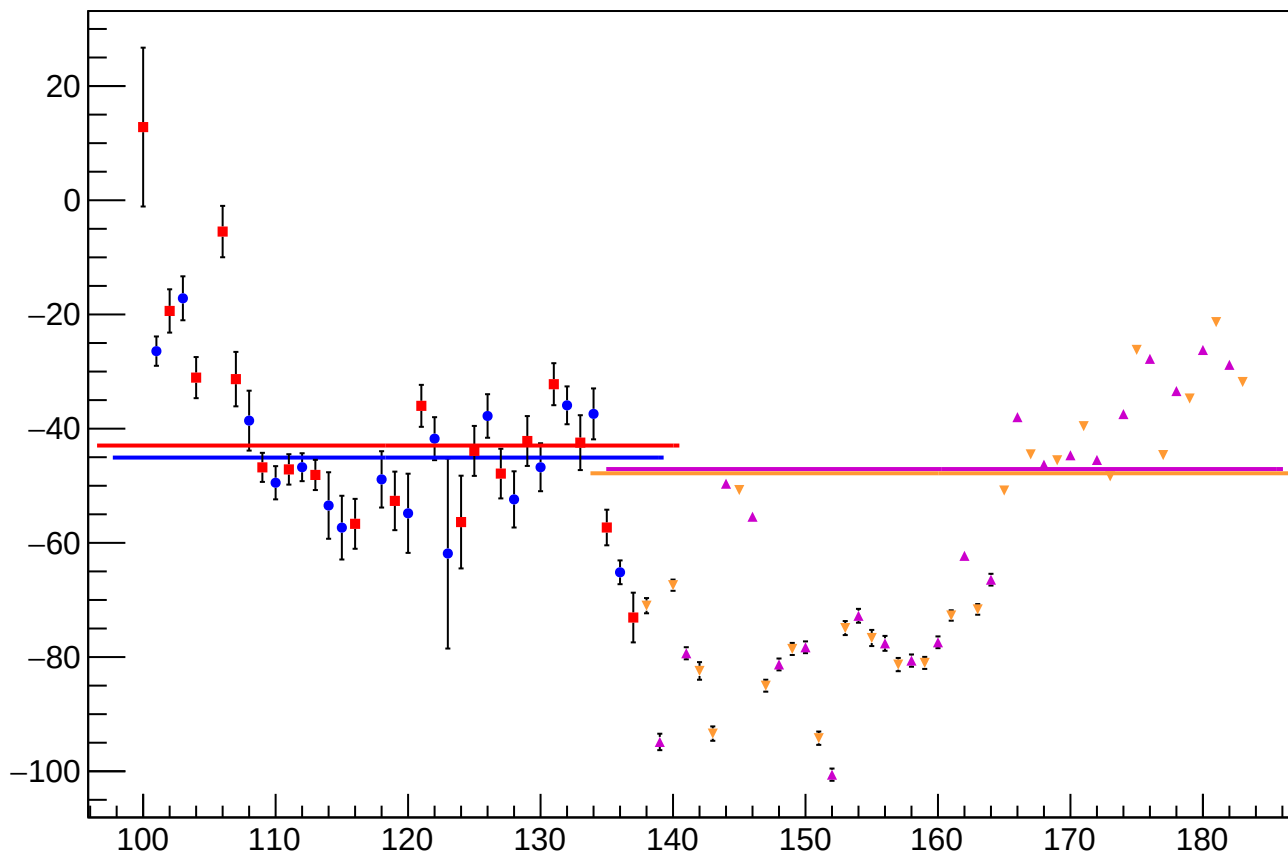
Left In: 0.484 ± 0.125 $\chi^2/\text{NDF}: 3212.8/21$

+ sign 0.614 ± 0.122 $\chi^2/\text{NDF}: 4151.0/40$

All: 0.422 ± 0.086 $\chi^2/\text{NDF}: 7562.2/81$

- sign 0.230 ± 0.122 $\chi^2/\text{NDF}: 3406.2/40$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.063 ± 0.885 χ^2/NDF : 230.3/16

Left Out: -47.816 ± 0.157 χ^2/NDF : 16885.4/23

Right Out: -42.956 ± 0.879 χ^2/NDF : 248.1/18

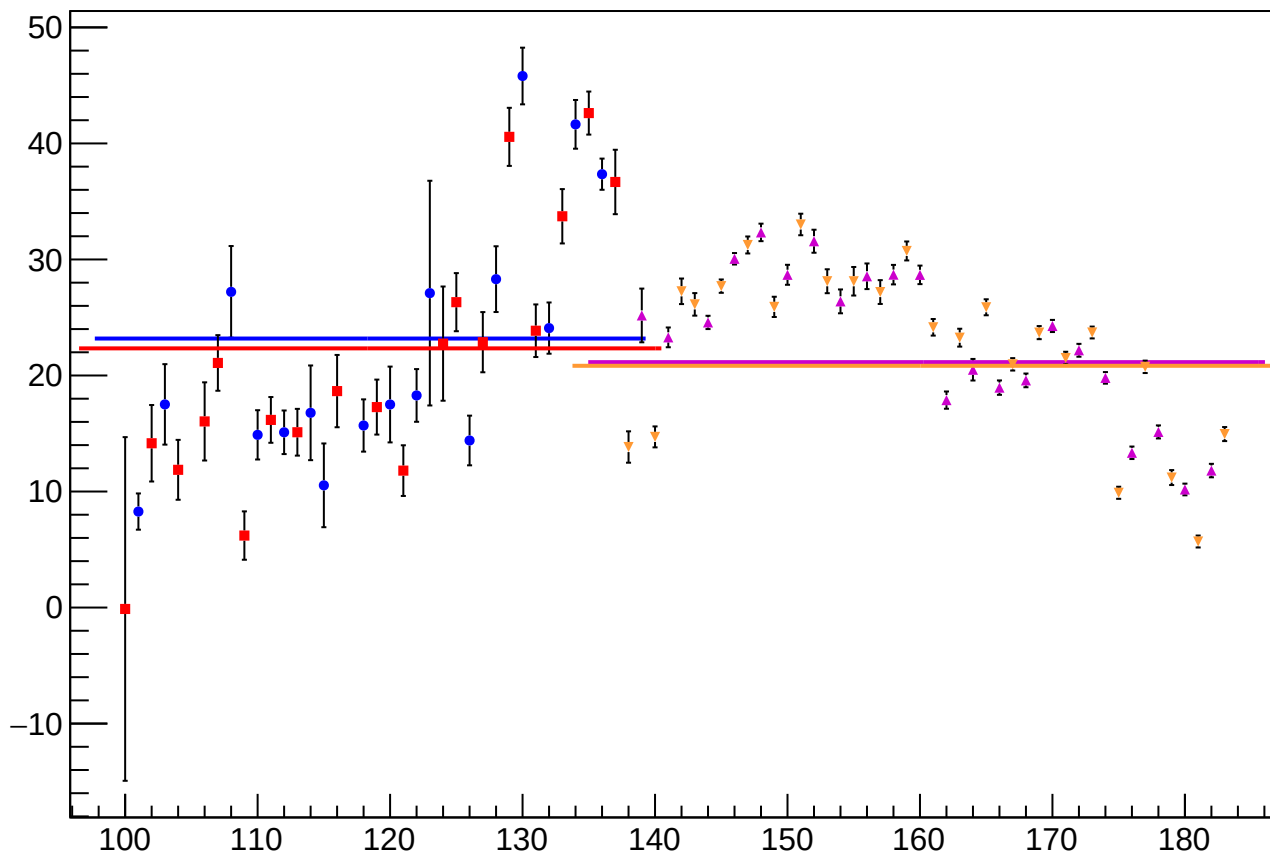
Left In: -47.072 ± 0.157 χ^2/NDF : 15514.9/21

+ sign -47.732 ± 0.154 χ^2/NDF : 17125.1/40

All: -47.340 ± 0.109 χ^2/NDF : 32922.4/81

- sign -46.945 ± 0.155 χ^2/NDF : 15784.3/40

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.185 $\pm$ 0.560 χ^2 /NDF: 456.9/16

Left Out: 20.836 $\pm$ 0.140 χ^2 /NDF: 2723.4/23

Right Out: 22.337 $\pm$ 0.574 χ^2 /NDF: 366.3/18

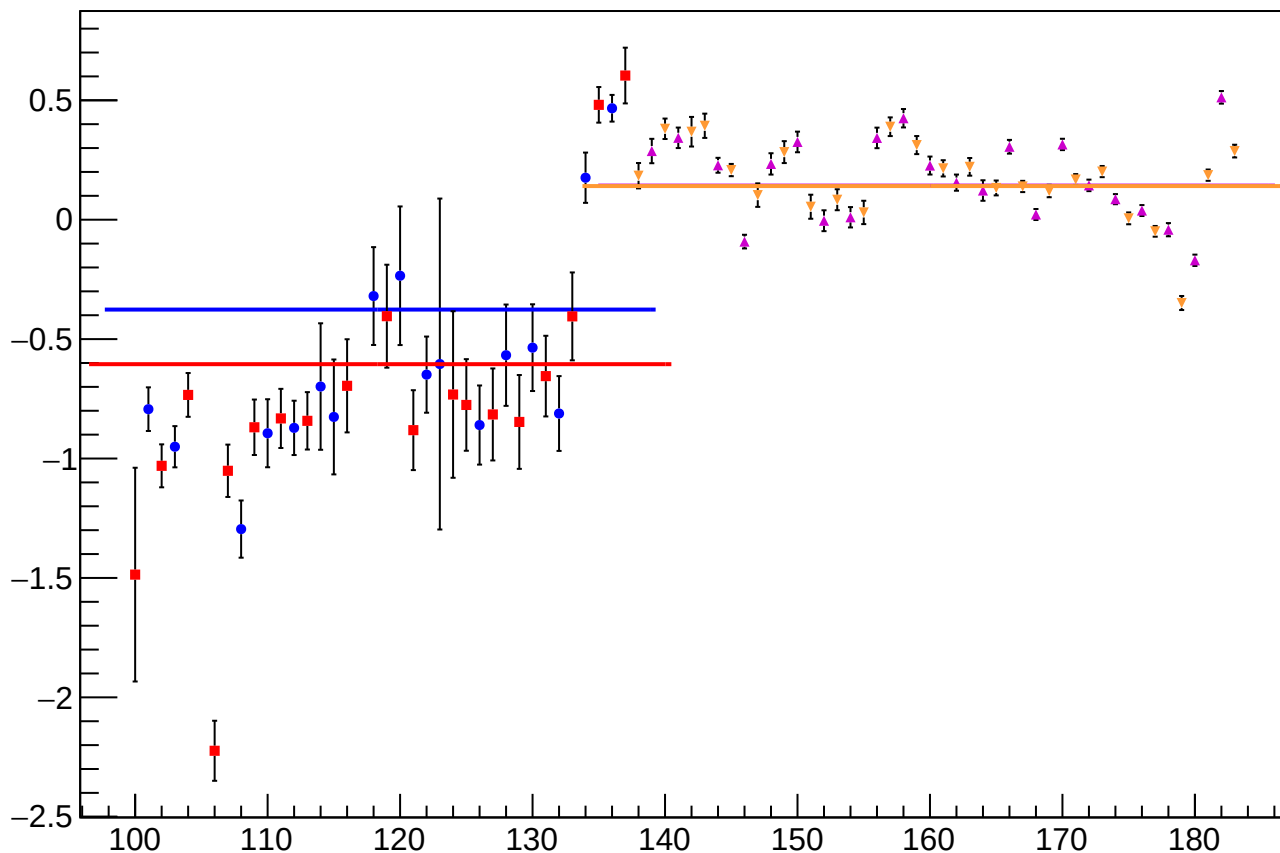
Left In: 21.151 $\pm$ 0.141 χ^2 /NDF: 2158.0/21

+ sign 20.975 $\pm$ 0.136 χ^2 /NDF: 3196.9/40

All: 21.096 $\pm$ 0.097 χ^2 /NDF: 5726.9/81

- sign 21.218 $\pm$ 0.137 χ^2 /NDF: 2528.4/40

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.6/16$

Left Out: 0.141 ± 0.006 $\chi^2/\text{NDF}: 587.8/23$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/18$

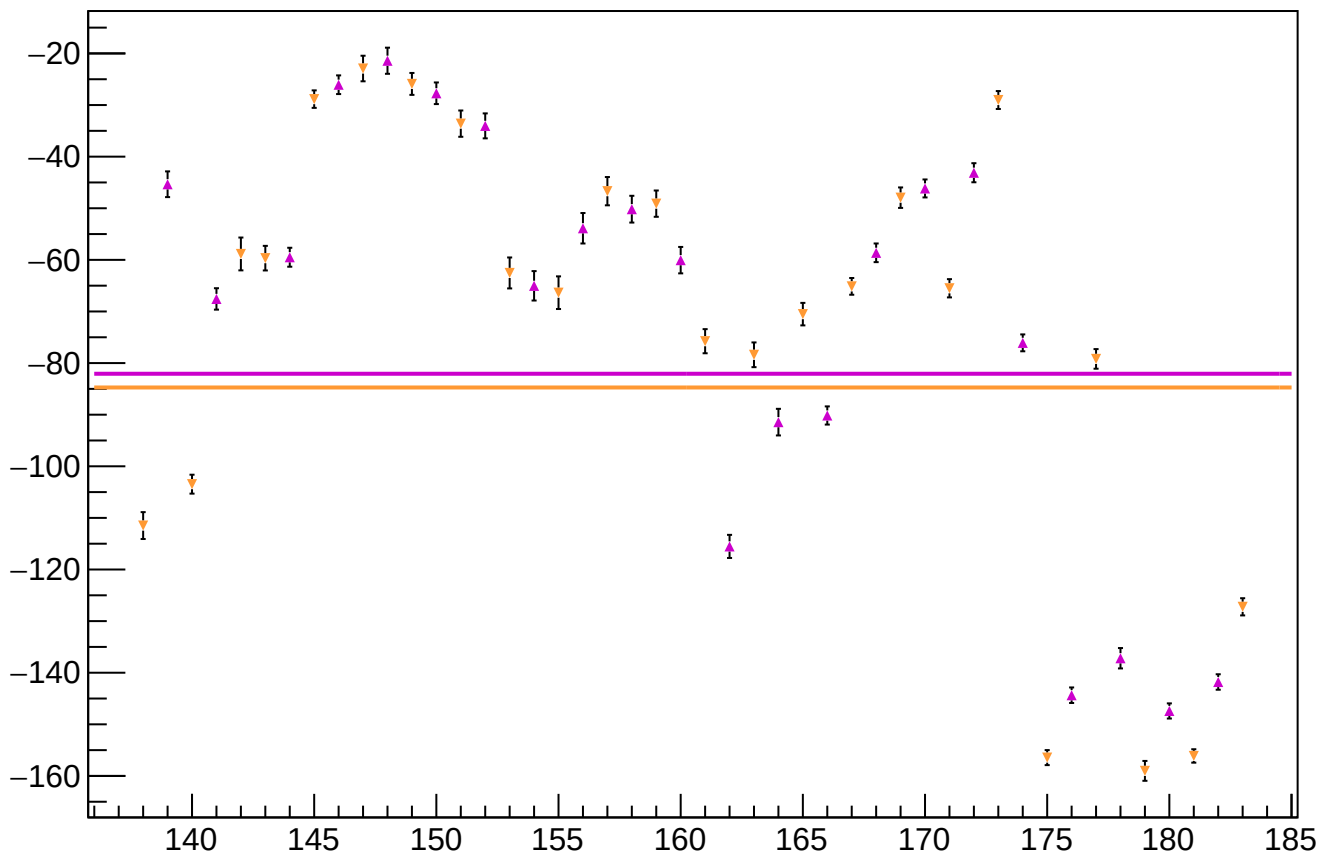
Left In: 0.143 ± 0.006 $\chi^2/\text{NDF}: 781.3/21$

+ sign 0.118 ± 0.006 $\chi^2/\text{NDF}: 1306.8/40$

All: 0.114 ± 0.004 $\chi^2/\text{NDF}: 3224.4/81$

- sign 0.110 ± 0.006 $\chi^2/\text{NDF}: 1916.7/40$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -84.729+/-0.411 χ^2/NDF : 13036.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

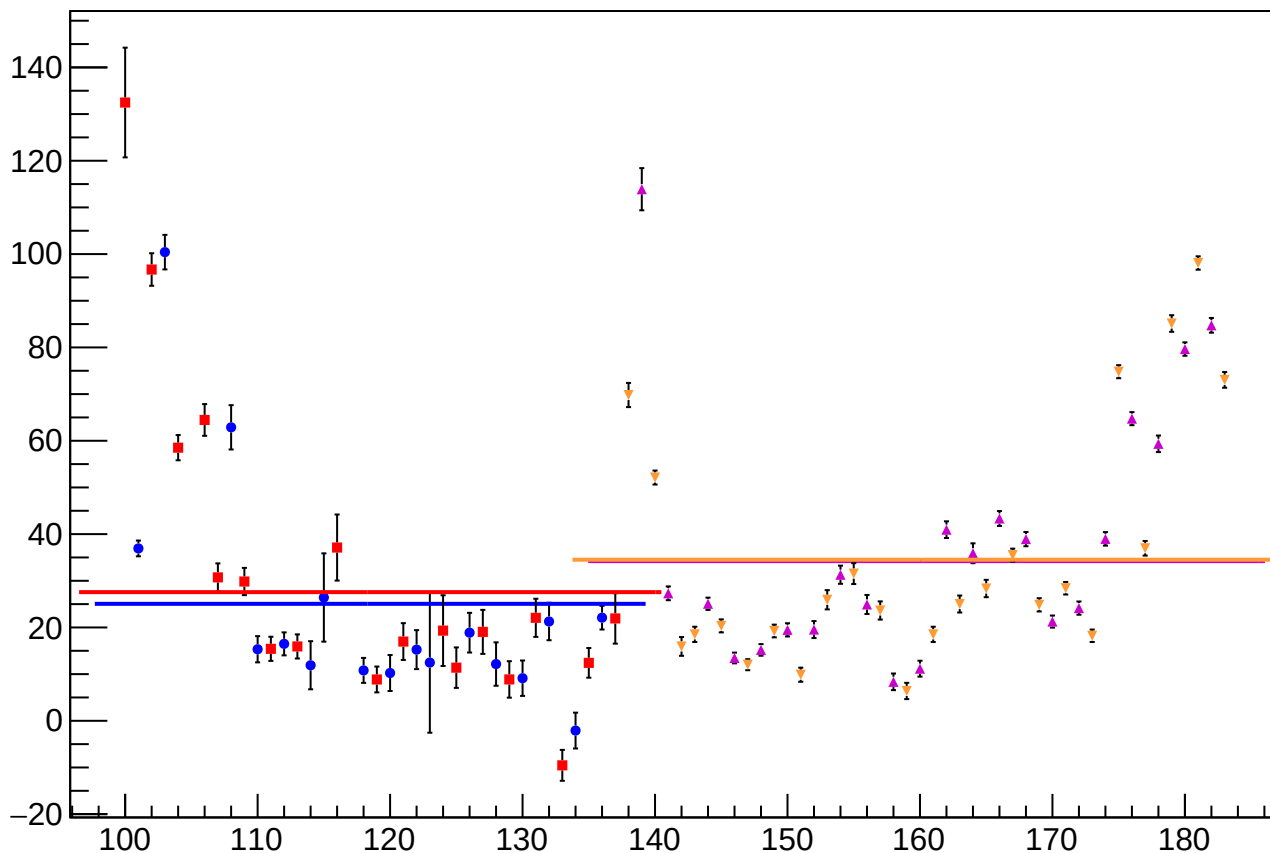
Left In: -82.069+/-0.420 χ^2/NDF : 10738.5/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -83.429+/-0.294 χ^2/NDF : 23795.0/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.063 $\pm$ 0.808 χ^2 /NDF: 686.5/16

Left Out: 34.517 $\pm$ 0.323 χ^2 /NDF: 6140.5/23

Right Out: 27.568 $\pm$ 0.811 χ^2 /NDF: 1013.6/18

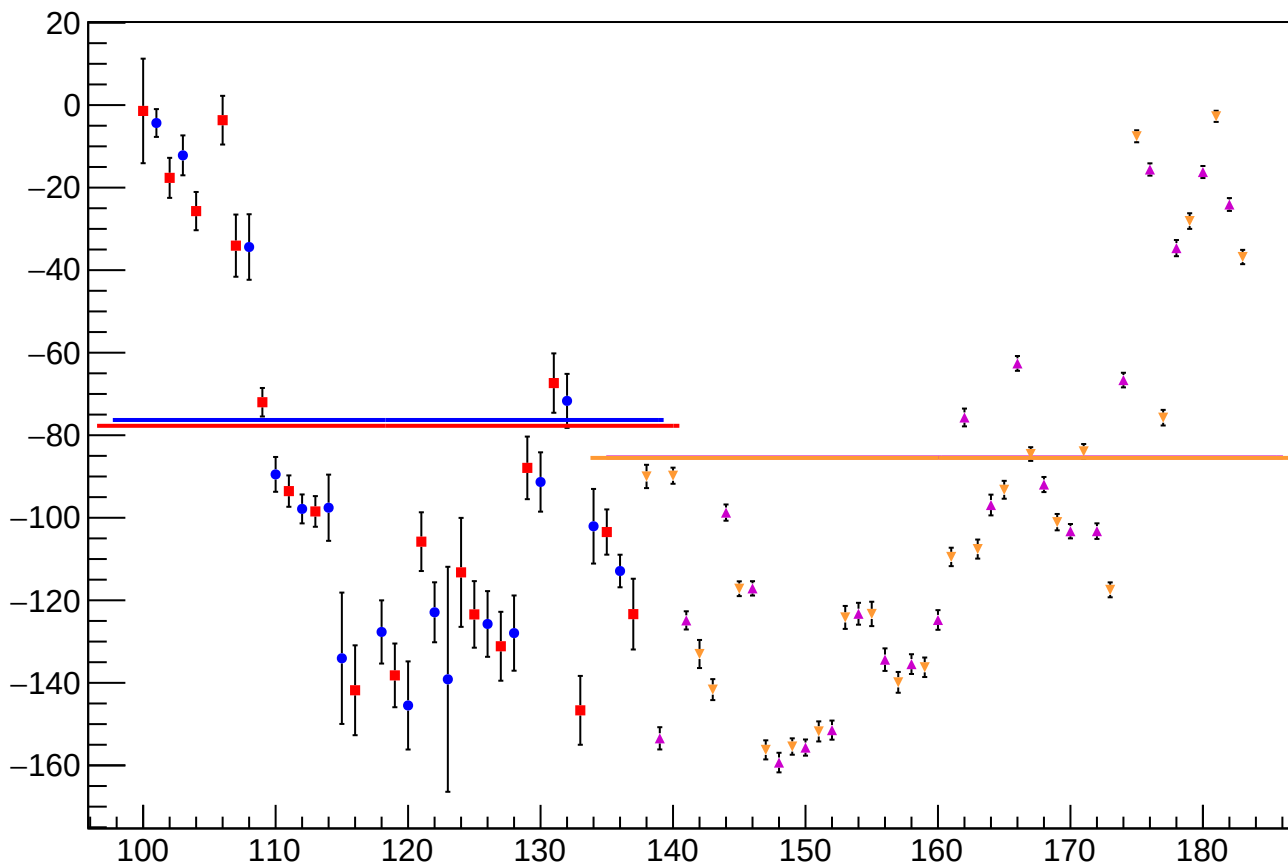
Left In: 34.214 $\pm$ 0.332 χ^2 /NDF: 4447.3/21

+ sign 33.214 $\pm$ 0.300 χ^2 /NDF: 6945.1/40

All: 33.237 $\pm$ 0.214 χ^2 /NDF: 12463.6/81

- sign 33.261 $\pm$ 0.307 χ^2 /NDF: 5518.5/40

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.304 ± 1.419 χ^2/NDF : 1030.8/16

Left Out: -85.495 ± 0.412 χ^2/NDF : 14145.2/23

Right Out: -77.715 ± 1.354 χ^2/NDF : 872.3/18

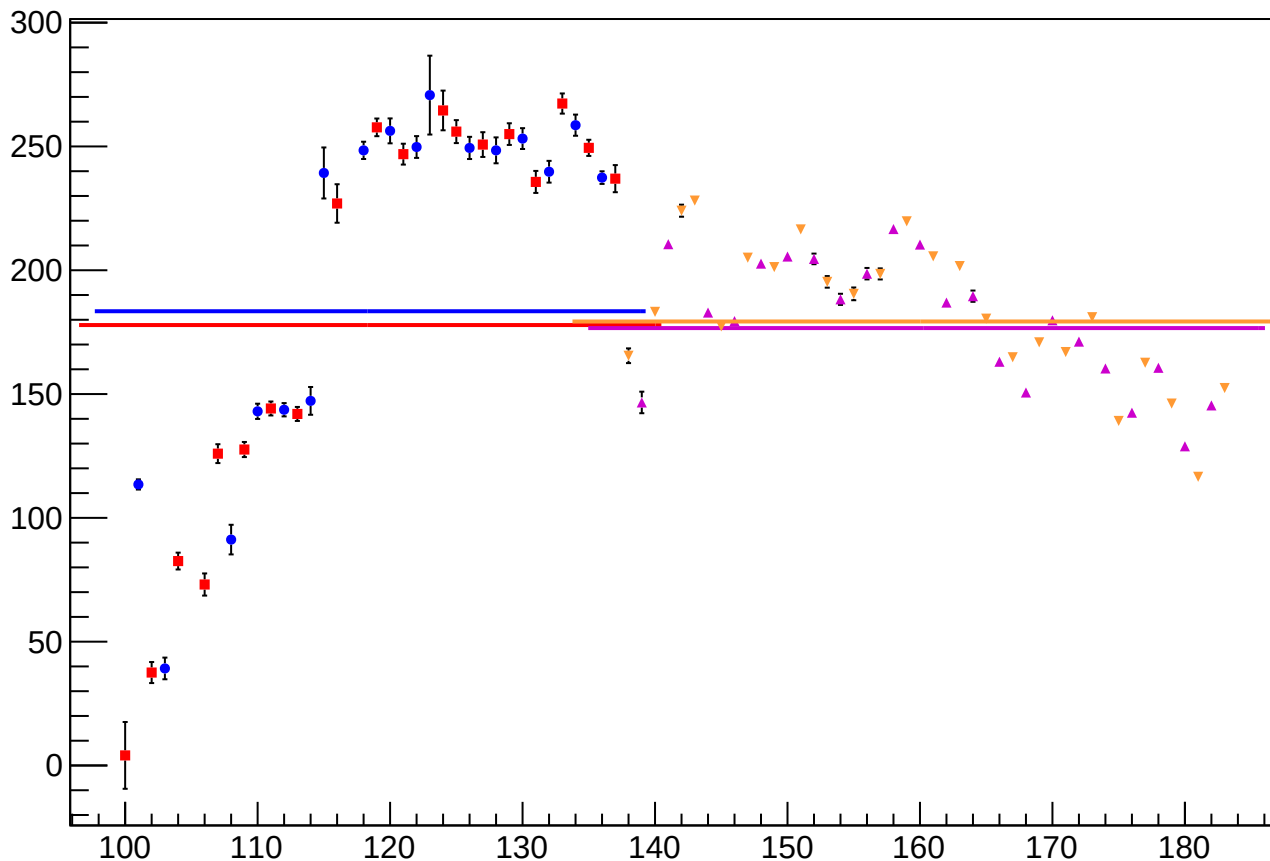
Left In: -85.384 ± 0.419 χ^2/NDF : 12824.2/21

+ sign -84.779 ± 0.396 χ^2/NDF : 15214.7/40

All: -84.746 ± 0.282 χ^2/NDF : 28940.6/81

- sign -84.713 ± 0.401 χ^2/NDF : 13725.8/40

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.448 $\pm$ 0.920 χ^2 /NDF: 5318.3/16

Left Out: 179.310 $\pm$ 0.365 χ^2 /NDF: 5981.2/23

Right Out: 177.868 $\pm$ 0.925 χ^2 /NDF: 6336.5/18

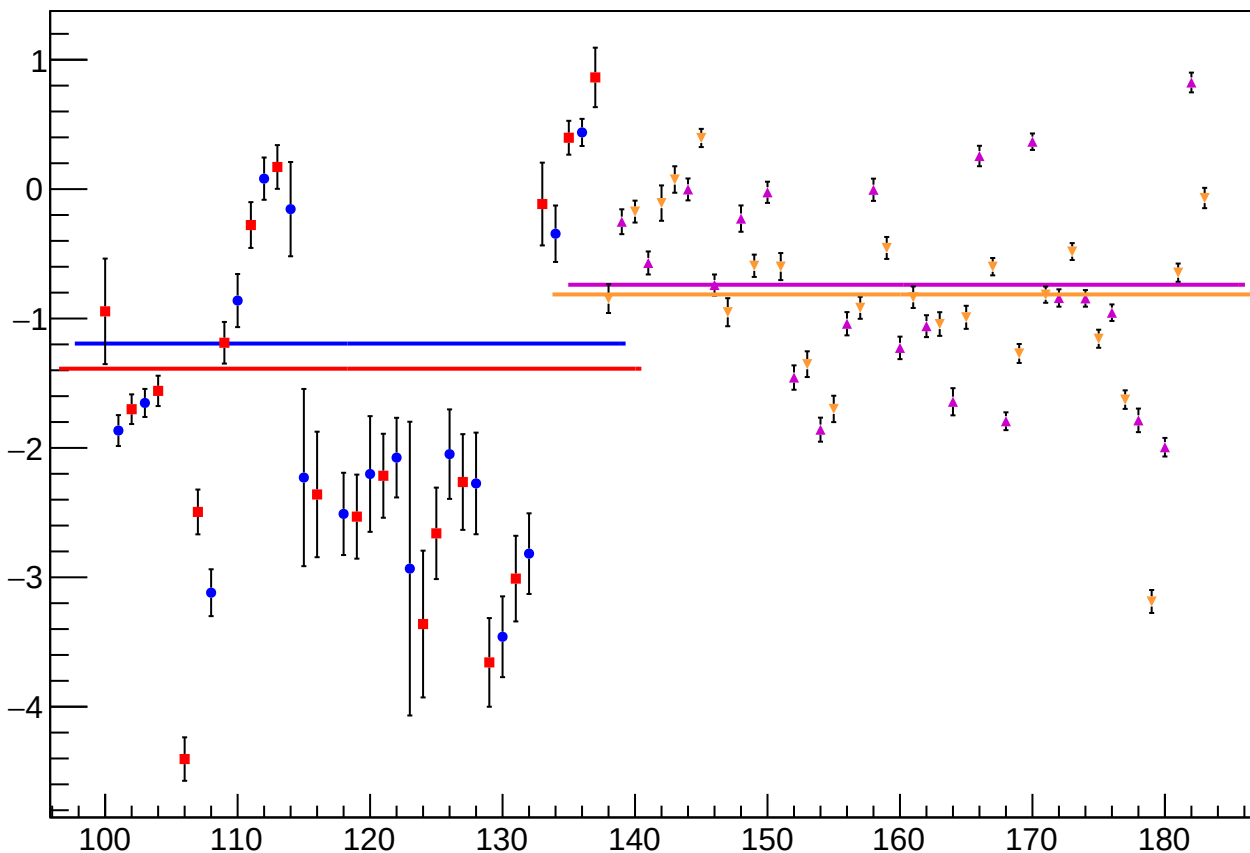
Left In: 176.642 $\pm$ 0.374 χ^2 /NDF: 4420.5/21

+ sign 179.873 $\pm$ 0.339 χ^2 /NDF: 11316.9/40

All: 178.376 $\pm$ 0.243 χ^2 /NDF: 22115.2/81

- sign 176.814 $\pm$ 0.347 χ^2 /NDF: 10758.6/40

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 620.4/16

Left Out: -0.814 ± 0.017 χ^2/NDF : 1639.9/23

Right Out: -1.388 ± 0.046 χ^2/NDF : 919.4/18

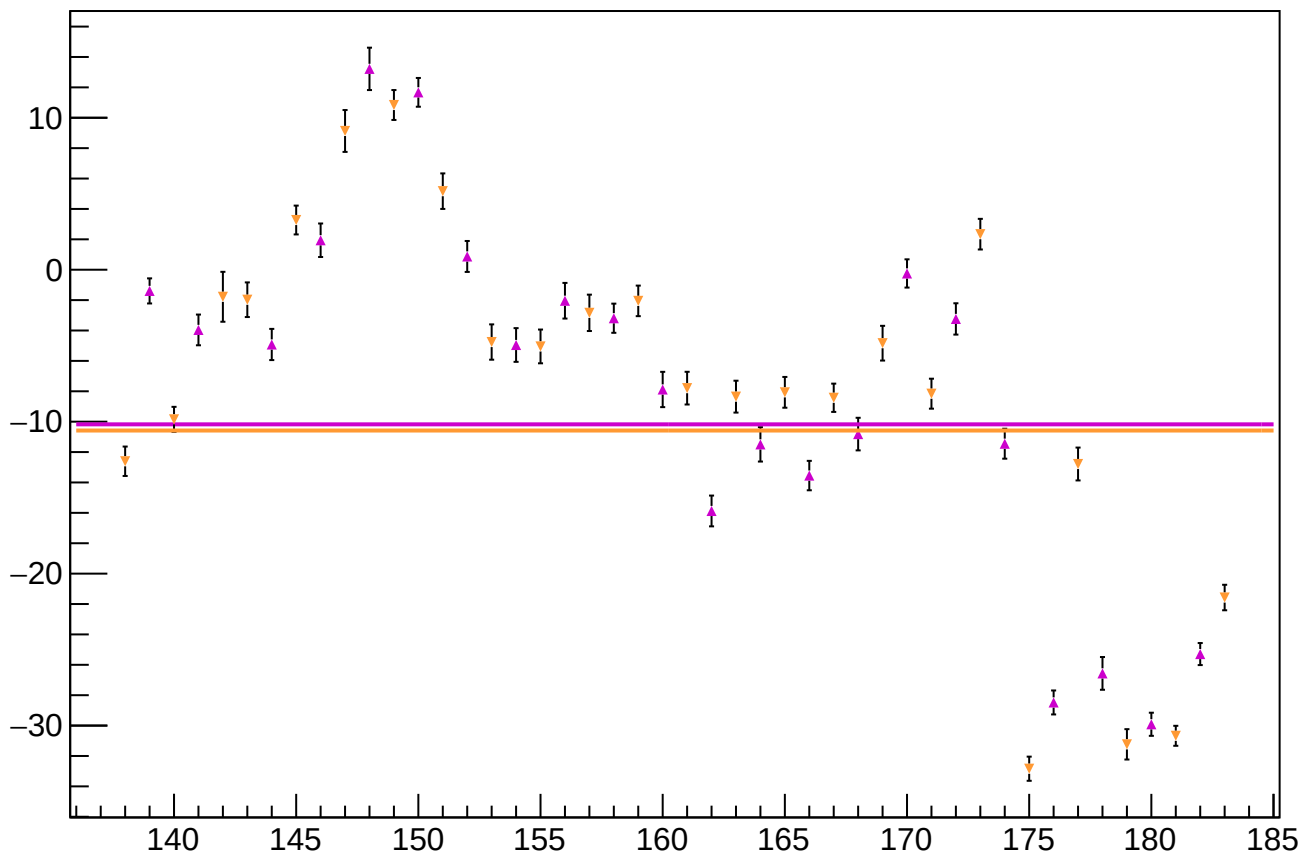
Left In: -0.739 ± 0.017 χ^2/NDF : 2182.1/21

+ sign -0.855 ± 0.016 χ^2/NDF : 2315.5/40

All: -0.837 ± 0.011 χ^2/NDF : 5595.6/81

- sign -0.818 ± 0.016 χ^2/NDF : 3277.4/40

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -10.582+/-0.203 χ^2/NDF : 3866.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

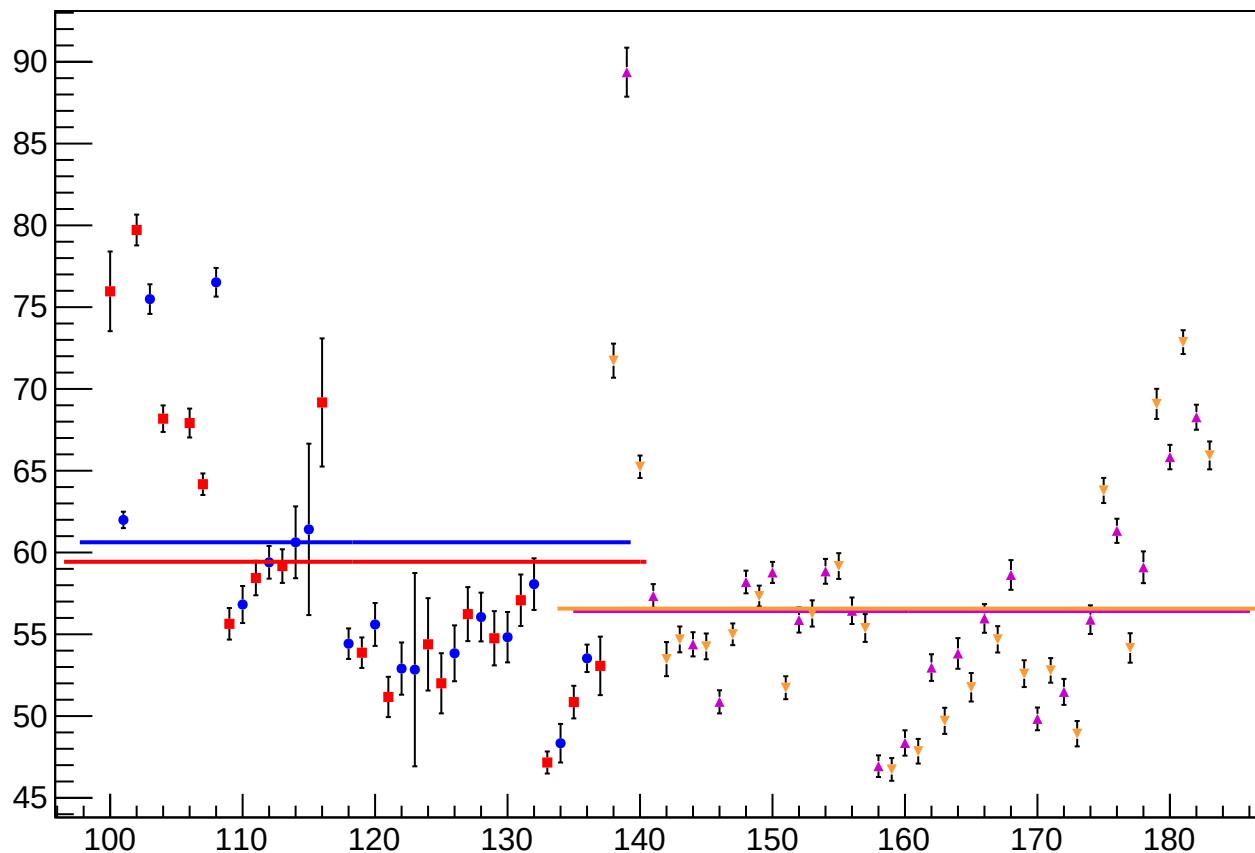
Left In: -10.175+/-0.208 χ^2/NDF : 3439.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -10.383+/-0.145 χ^2/NDF : 7307.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.626 $\pm$ 0.263 χ^2 /NDF: 924.5/16

Left Out: 56.570 $\pm$ 0.160 χ^2 /NDF:1953.6/23

Right Out: 59.433 $\pm$ 0.248 χ^2 /NDF: 1325.2/18

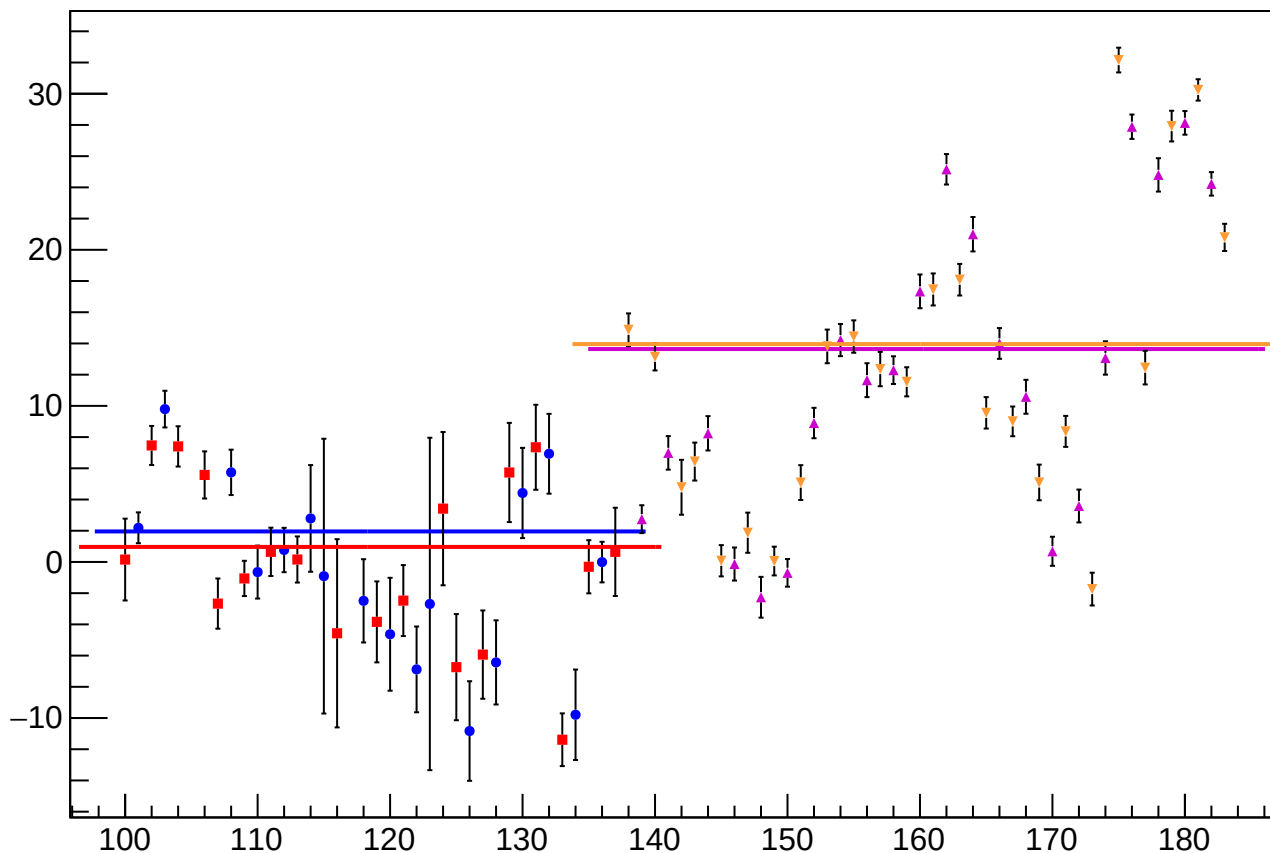
Left In: 56.422 $\pm$ 0.167 χ^2 /NDF:1509.3/21

+ sign 57.665 $\pm$ 0.137 χ^2 /NDF: 3051.3/40

All: 57.513 $\pm$ 0.097 χ^2 /NDF: 5990.0/81

- sign 57.358 $\pm$ 0.138 χ^2 /NDF: 2936.2/40

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.955 ± 0.459 χ^2/NDF : 120.2/16

Left Out: 13.958 ± 0.203 χ^2/NDF : 2395.8/23

Right Out: 0.964 ± 0.425 χ^2/NDF : 149.6/18

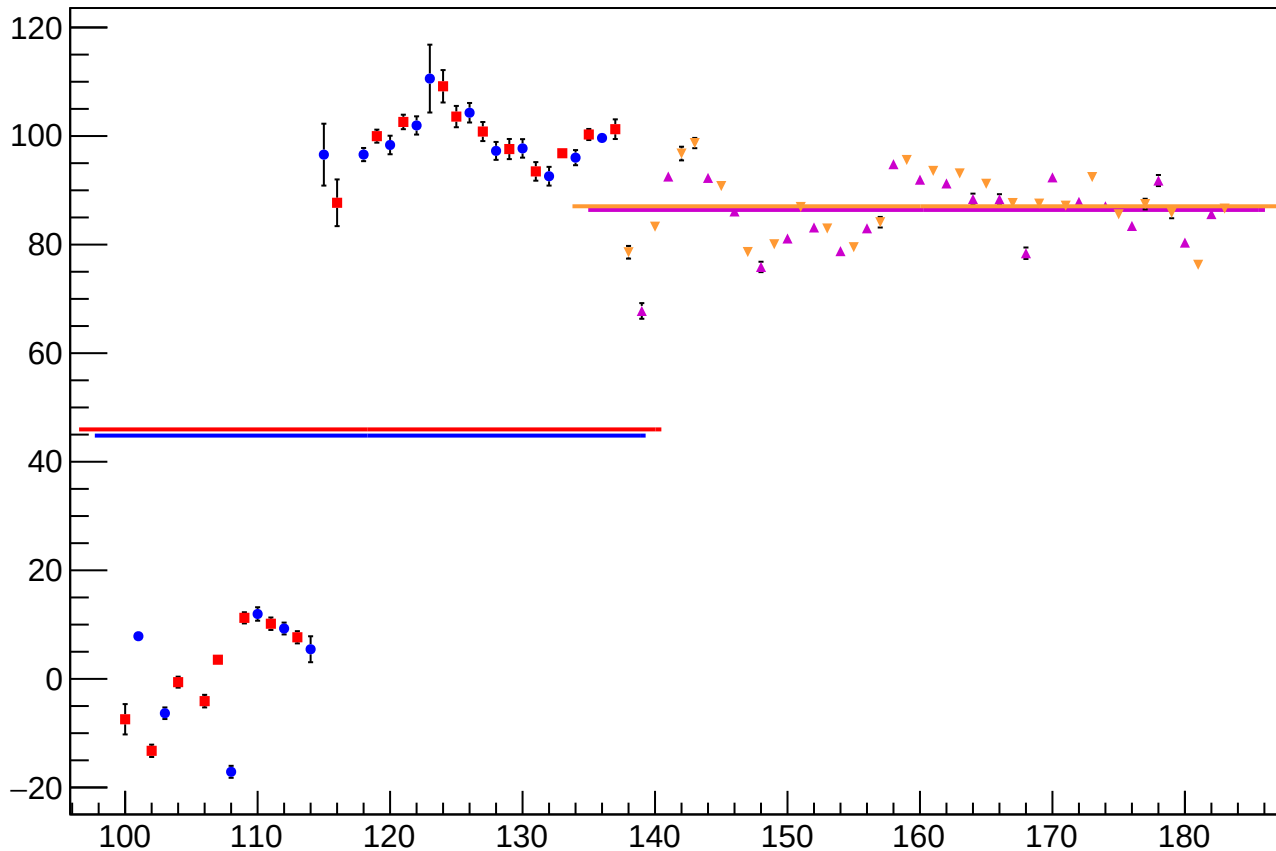
Left In: 13.641 ± 0.207 χ^2/NDF : 2314.9/21

+ sign 11.992 ± 0.186 χ^2/NDF : 3087.0/40

All: 11.601 ± 0.131 χ^2/NDF : 6280.7/81

- sign 11.210 ± 0.186 χ^2/NDF : 3184.9/40

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.818 $\pm$ 0.305 χ^2 /NDF: 24700.1/16

Left Out: 87.060 $\pm$ 0.181 χ^2 /NDF:1084.5/23

Right Out: 45.958 $\pm$ 0.290 χ^2 /NDF: 28216.1/18

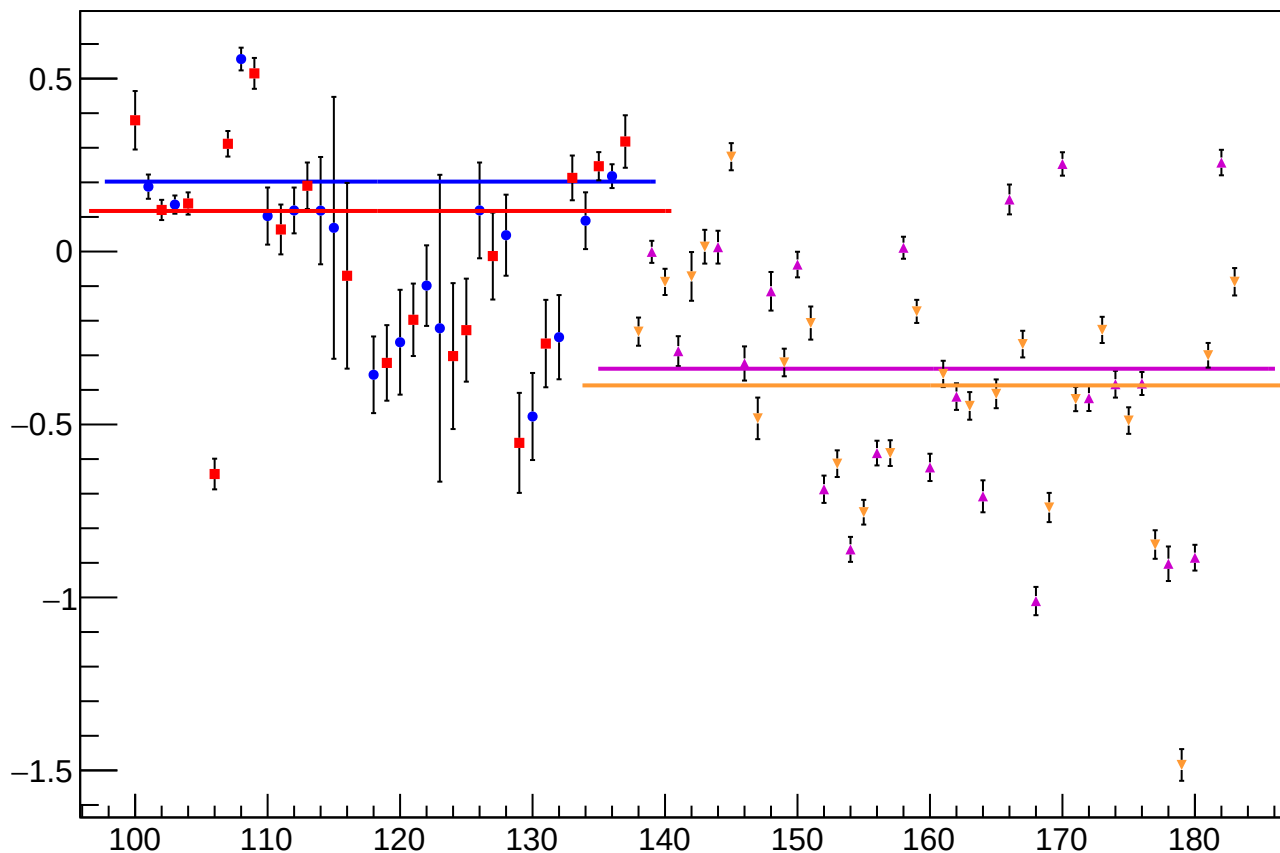
Left In: 86.388 $\pm$ 0.186 χ^2 /NDF:988.9/21

+ sign 76.098 $\pm$ 0.155 χ^2 /NDF: 39987.9/40

All: 75.335 $\pm$ 0.110 χ^2 /NDF: 83018.0/81

- sign 74.559 $\pm$ 0.157 χ^2 /NDF: 42981.5/40

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 215.7/16

Left Out: -0.387 ± 0.008 χ^2/NDF : 1546.0/23

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.1/18

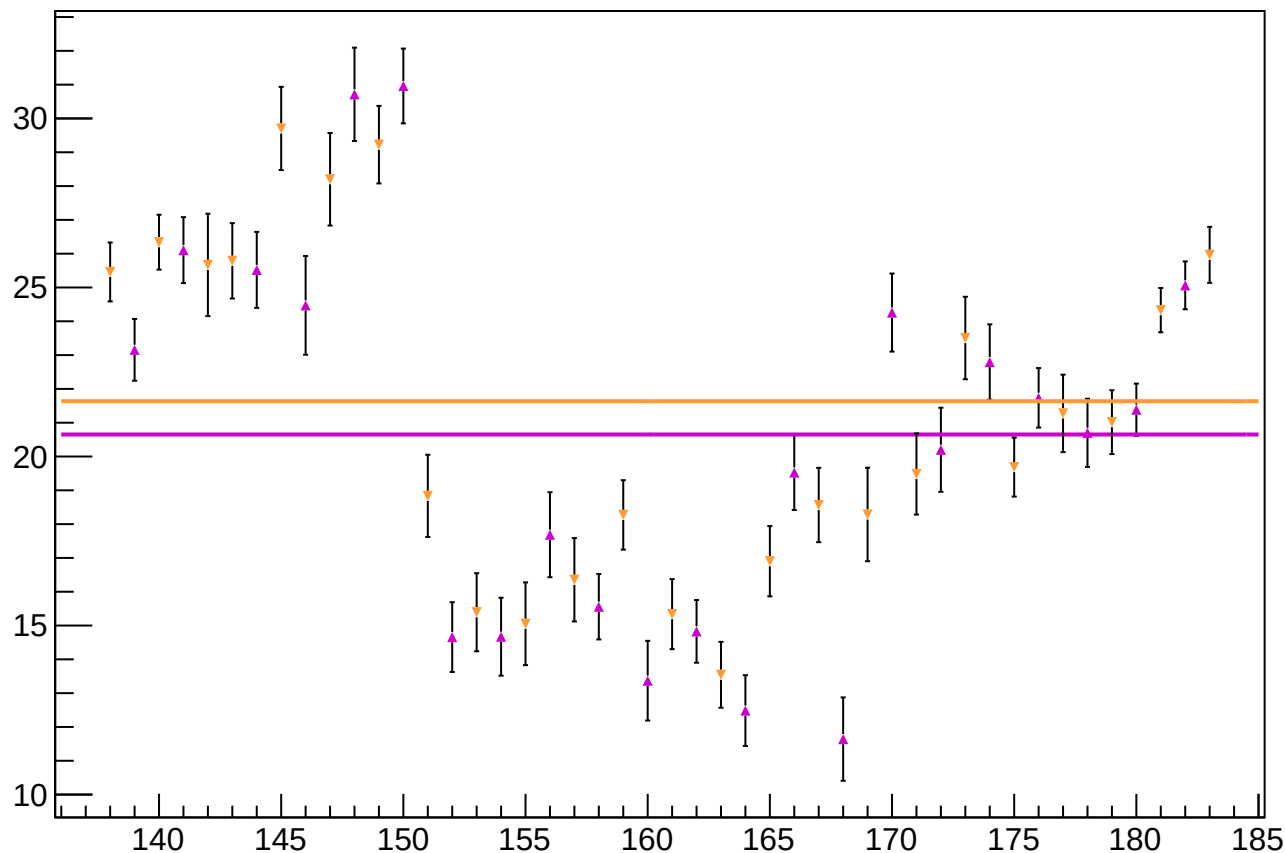
Left In: -0.339 ± 0.008 χ^2/NDF : 2142.5/21

+ sign -0.237 ± 0.007 χ^2/NDF : 3070.5/40

All: -0.222 ± 0.005 χ^2/NDF : 6592.4/81

- sign -0.207 ± 0.007 χ^2/NDF : 3513.2/40

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 21.636+/-0.212 χ^2/NDF : 471.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

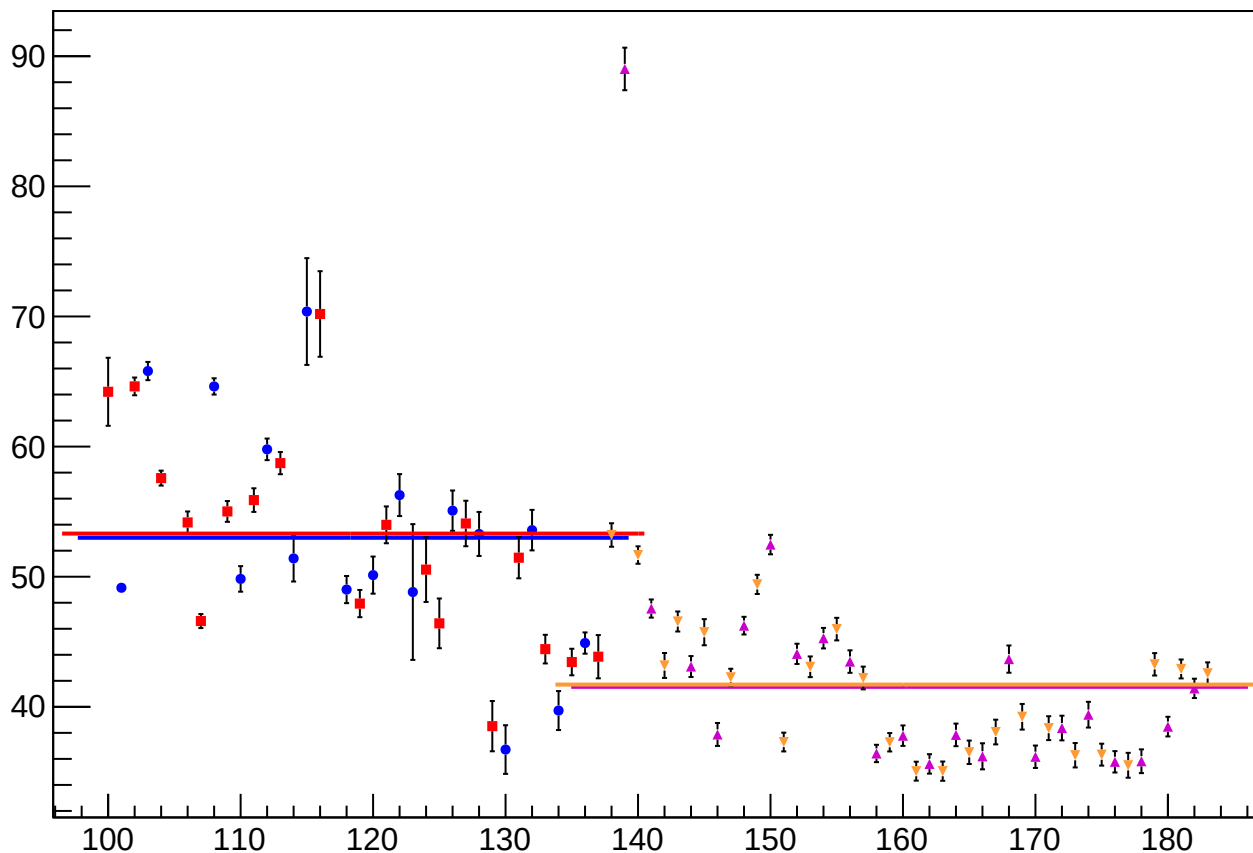
Left In: 20.652+/-0.220 χ^2/NDF : 546.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21.163+/-0.153 χ^2/NDF : 1028.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.994 $\pm$ 0.211 χ^2 /NDF: 1197.9/16

Left Out: 41.711 $\pm$ 0.166 χ^2 /NDF:1010.0/23

Right Out: 53.316 $\pm$ 0.227 χ^2 /NDF: 876.7/18

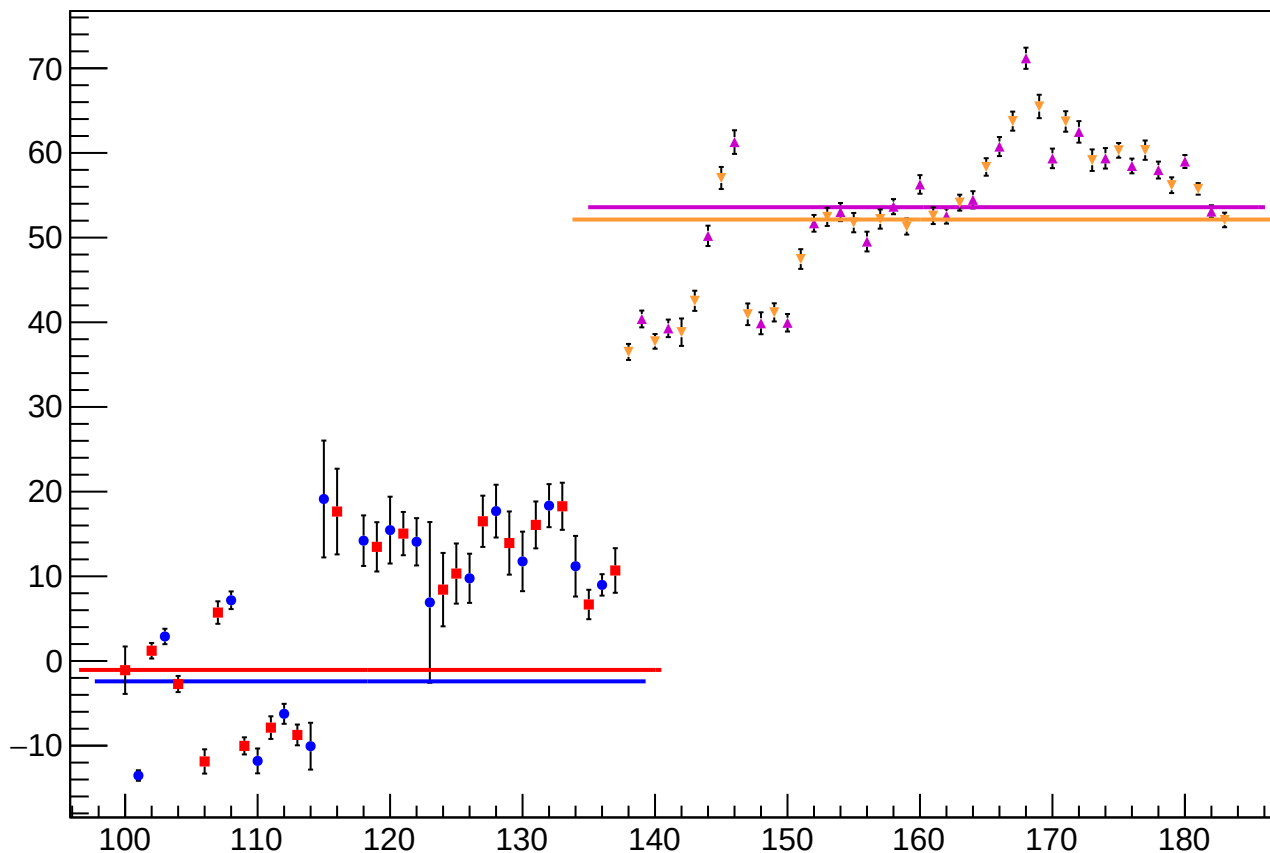
Left In: 41.538 $\pm$ 0.176 χ^2 /NDF:1593.5/21

+ sign 46.039 $\pm$ 0.131 χ^2 /NDF: 3969.8/40

All: 45.997 $\pm$ 0.095 χ^2 /NDF: 8126.0/81

- sign 45.951 $\pm$ 0.139 χ^2 /NDF: 4156.1/40

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.405 ± 0.365 χ^2/NDF : 832.0/16

Left Out: 52.138 ± 0.212 χ^2/NDF : 1445.4/23

Right Out: -1.056 ± 0.377 χ^2/NDF : 505.5/18

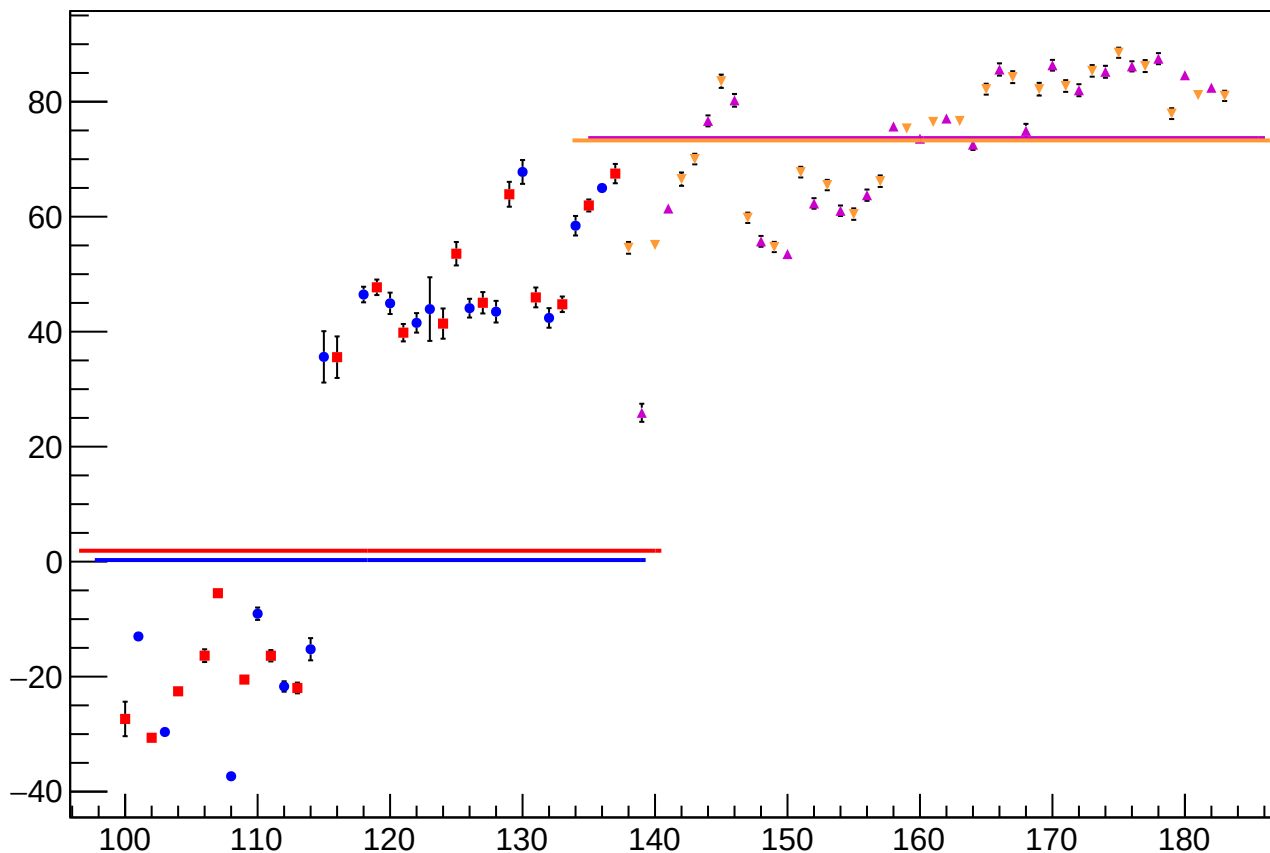
Left In: 53.593 ± 0.218 χ^2/NDF : 1152.8/21

+ sign 38.392 ± 0.183 χ^2/NDF : 19013.3/40

All: 39.109 ± 0.131 χ^2/NDF : 36422.1/81

- sign 39.874 ± 0.189 χ^2/NDF : 17377.1/40

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.275 ± 0.248 χ^2/NDF : 18220.1/16

Left Out: 73.261 ± 0.188 χ^2/NDF : 3143.2/23

Right Out: 1.897 ± 0.267 χ^2/NDF : 15412.8/18

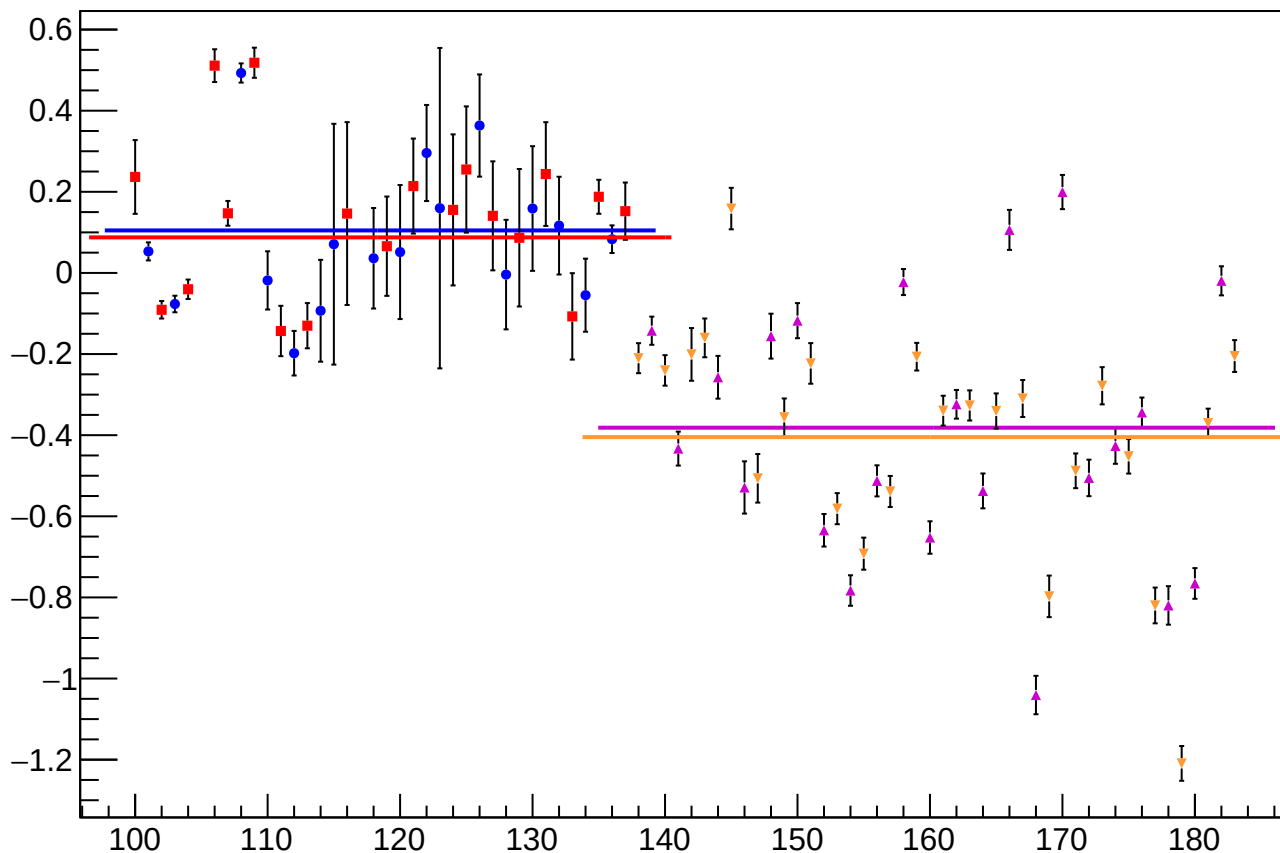
Left In: 73.672 ± 0.196 χ^2/NDF : 3771.9/21

+ sign 46.535 ± 0.150 χ^2/NDF : 76417.0/40

All: 47.430 ± 0.109 χ^2/NDF : 142603.3/81

- sign 48.428 ± 0.158 χ^2/NDF : 66110.8/40

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.405 ± 0.009 χ^2/NDF : 894.8/23

Right Out: 0.088 ± 0.011 χ^2/NDF : 390.7/18

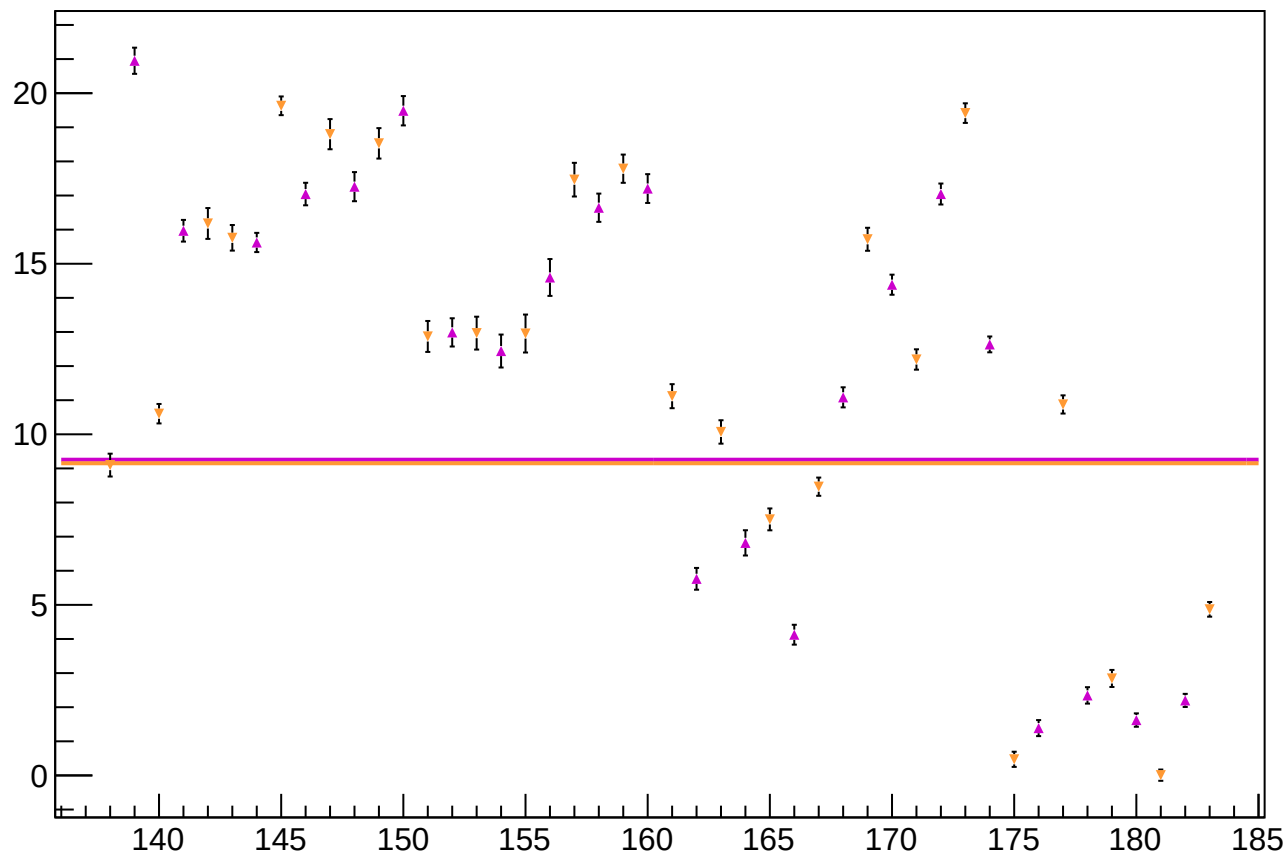
Left In: -0.382 ± 0.009 χ^2/NDF : 1247.1/21

+ sign -0.212 ± 0.007 χ^2/NDF : 2616.9/40

All: -0.205 ± 0.005 χ^2/NDF : 5363.7/81

- sign -0.199 ± 0.007 χ^2/NDF : 2745.0/40

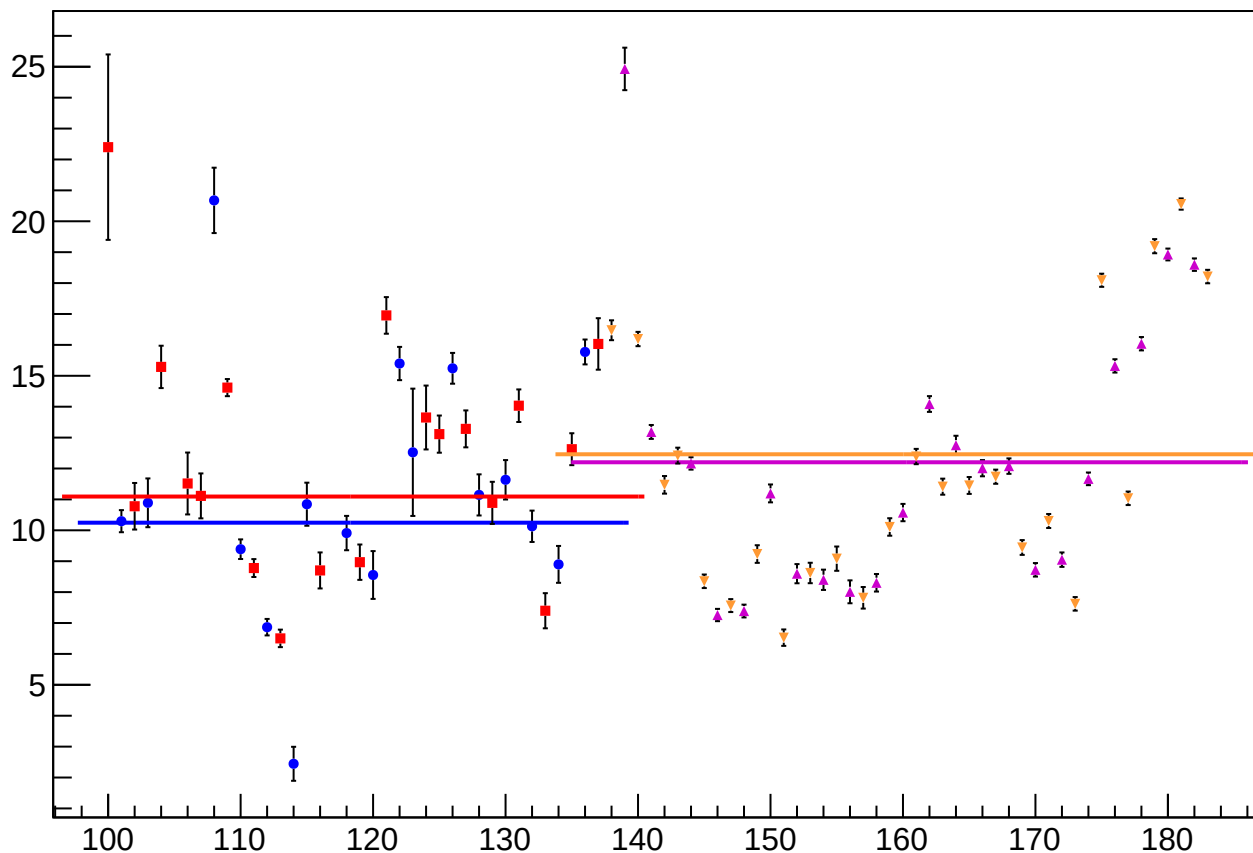
reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 9.151+/-0.062 χ^2/NDF :11347.3/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.255+/-0.064 χ^2/NDF :10731.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 9.201+/-0.045 χ^2/NDF : 22080.2/45
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.246 $\pm$ 0.120 χ^2 /NDF: 866.1/16

Left Out: 12.460 $\pm$ 0.050 χ^2 /NDF: 7464.5/23

Right Out: 11.093 $\pm$ 0.117 χ^2 /NDF: 816.7/18

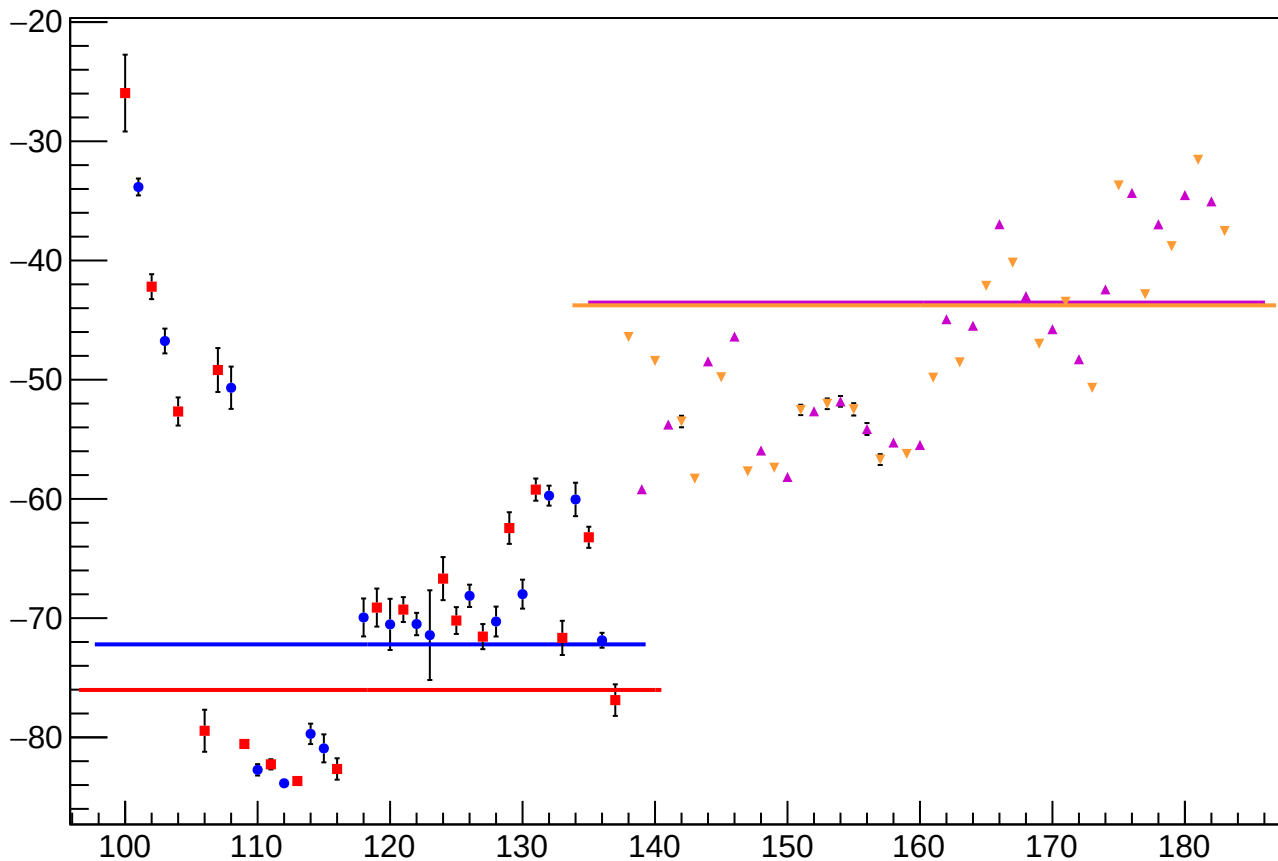
Left In: 12.201 $\pm$ 0.052 χ^2 /NDF: 5406.1/21

+ sign 12.129 $\pm$ 0.046 χ^2 /NDF: 8621.8/40

All: 12.075 $\pm$ 0.033 χ^2 /NDF: 14922.9/81

- sign 12.019 $\pm$ 0.047 χ^2 /NDF: 6298.4/40

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.200 ± 0.198 χ^2/NDF : 5562.7/16

Left Out: -43.761 ± 0.063 χ^2/NDF : 17184.3/23

Right Out: -76.024 ± 0.181 χ^2/NDF : 3459.2/18

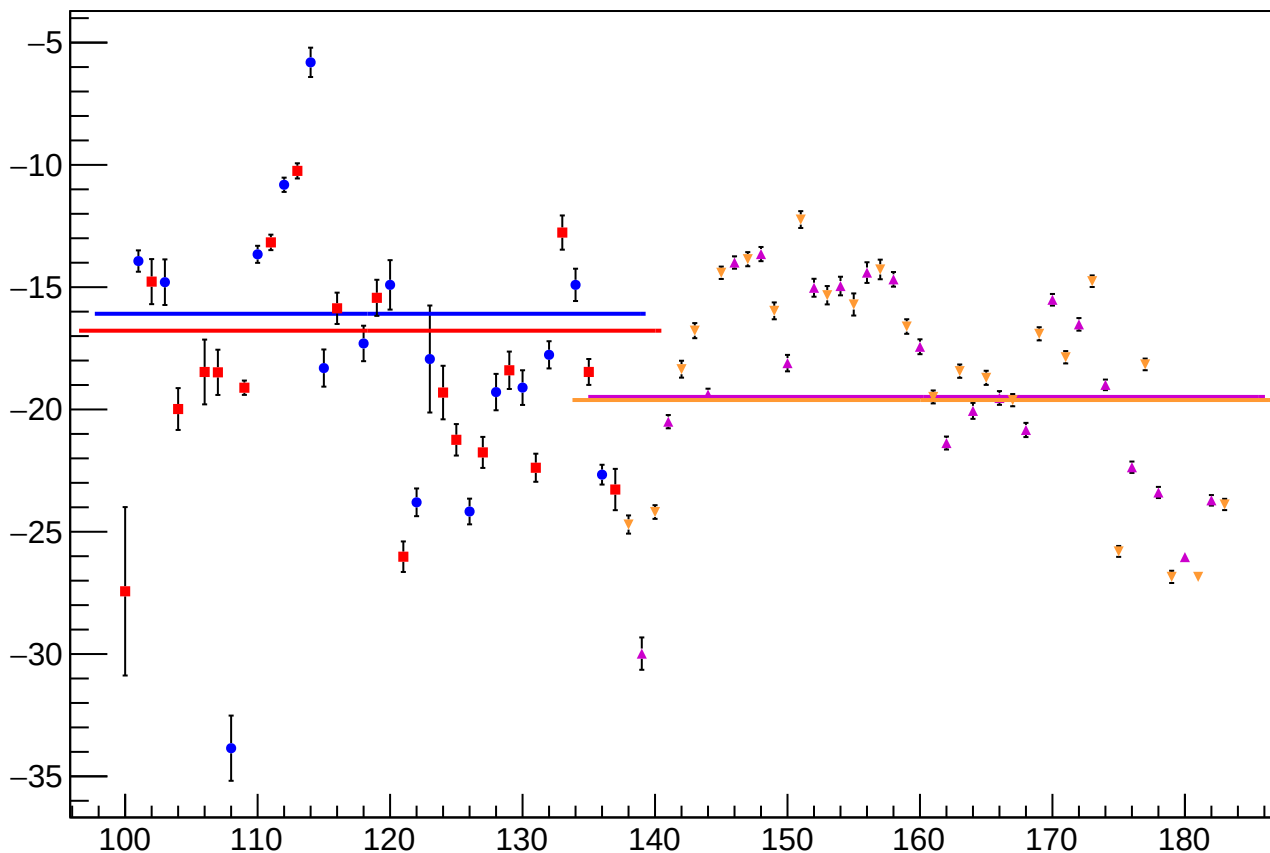
Left In: -43.530 ± 0.064 χ^2/NDF : 15266.7/21

+ sign -46.338 ± 0.060 χ^2/NDF : 41425.7/40

All: -46.744 ± 0.043 χ^2/NDF : 88828.2/81

- sign -47.162 ± 0.061 χ^2/NDF : 47308.9/40

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.087 ± 0.133 χ^2/NDF : 1620.7/16

Left Out: -19.614 ± 0.056 χ^2/NDF : 6384.9/23

Right Out: -16.779 ± 0.128 χ^2/NDF : 1211.2/18

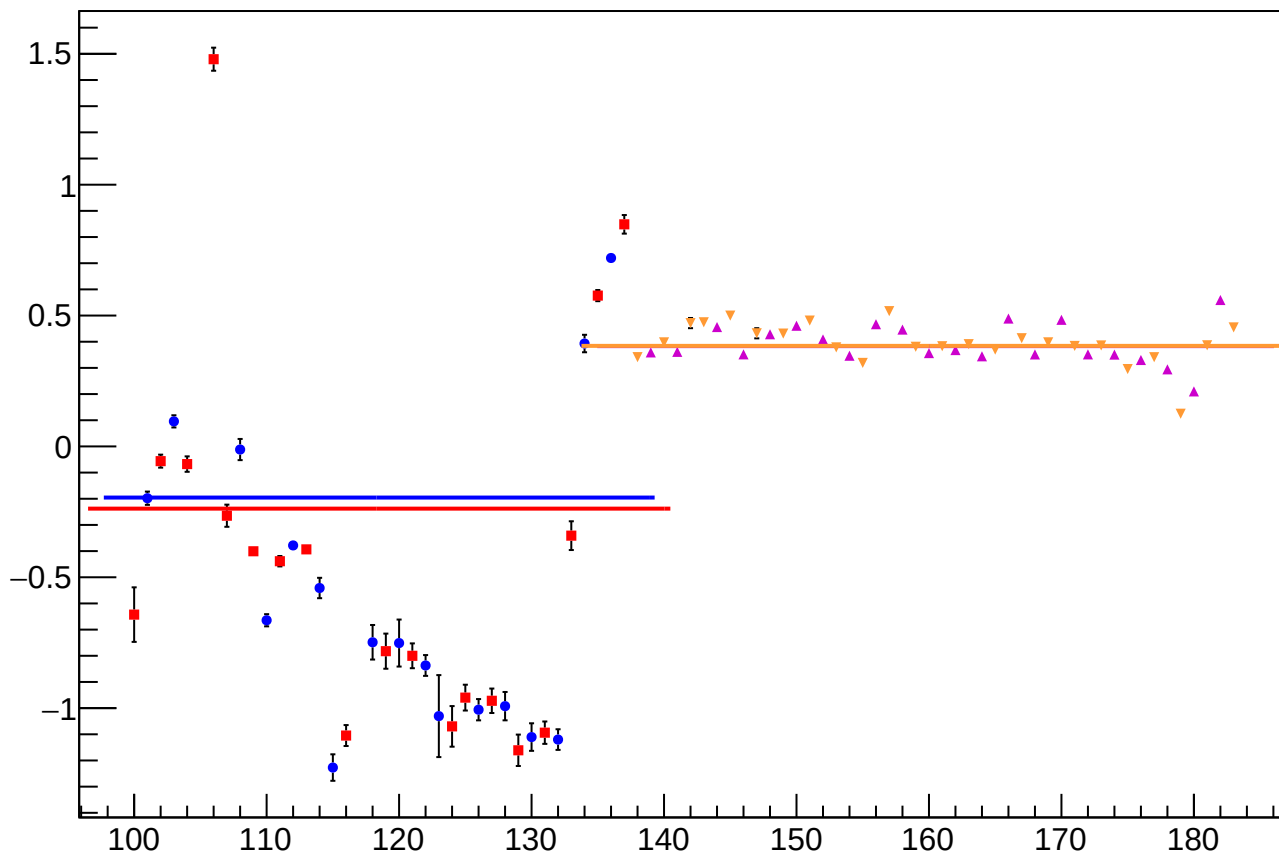
Left In: -19.487 ± 0.058 χ^2/NDF : 4252.4/21

+ sign -19.075 ± 0.052 χ^2/NDF : 8603.0/40

All: -19.052 ± 0.037 χ^2/NDF : 14436.7/81

- sign -19.028 ± 0.053 χ^2/NDF : 5833.3/40

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.195 ± 0.008 χ^2/NDF : 6316.5/16

Left Out: 0.384 ± 0.003 χ^2/NDF : 951.7/23

Right Out: -0.238 ± 0.007 χ^2/NDF : 6176.6/18

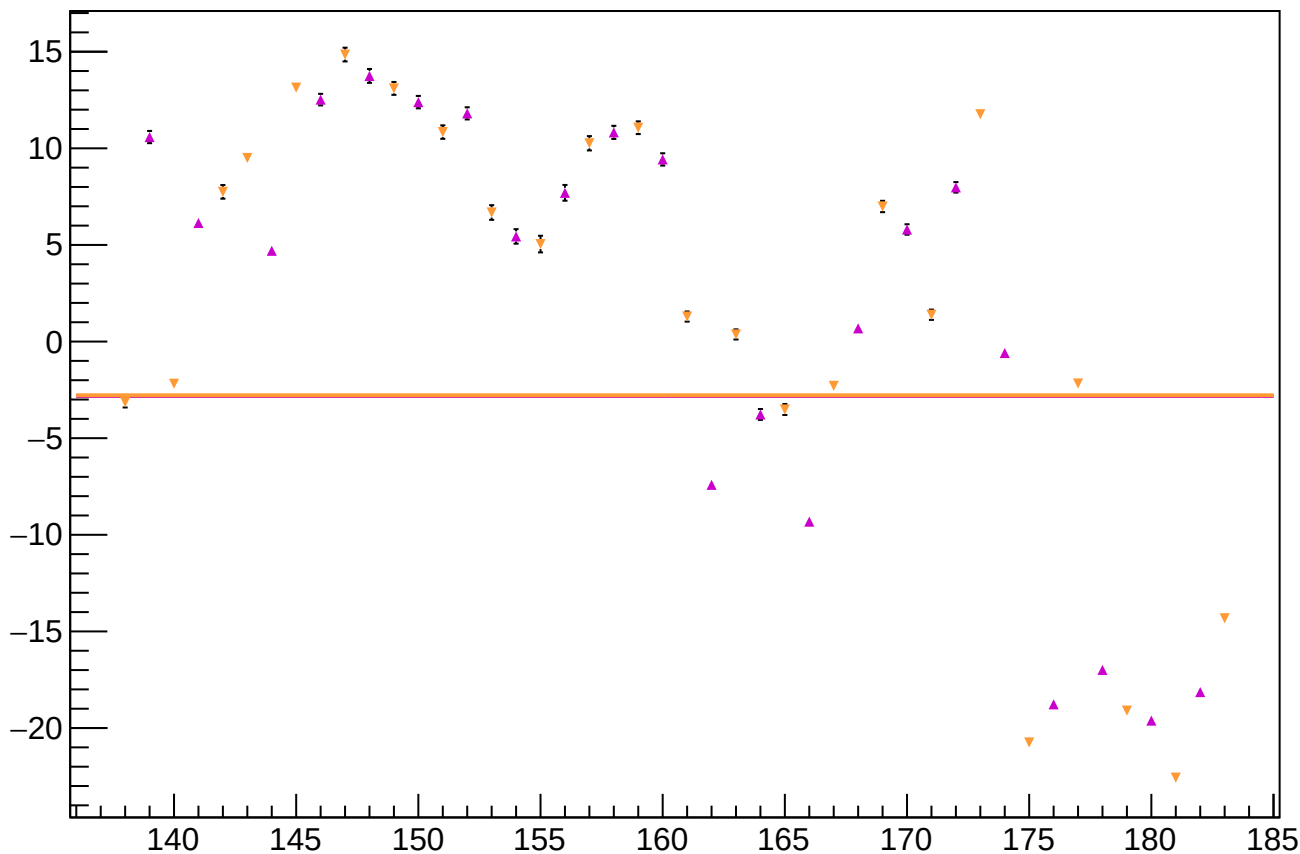
Left In: 0.383 ± 0.003 χ^2/NDF : 1055.7/21

+ sign 0.323 ± 0.002 χ^2/NDF : 12528.0/40

All: 0.316 ± 0.002 χ^2/NDF : 26349.1/81

- sign 0.309 ± 0.002 χ^2/NDF : 13804.5/40

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2.782+/-0.053 χ^2/NDF : 53867.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

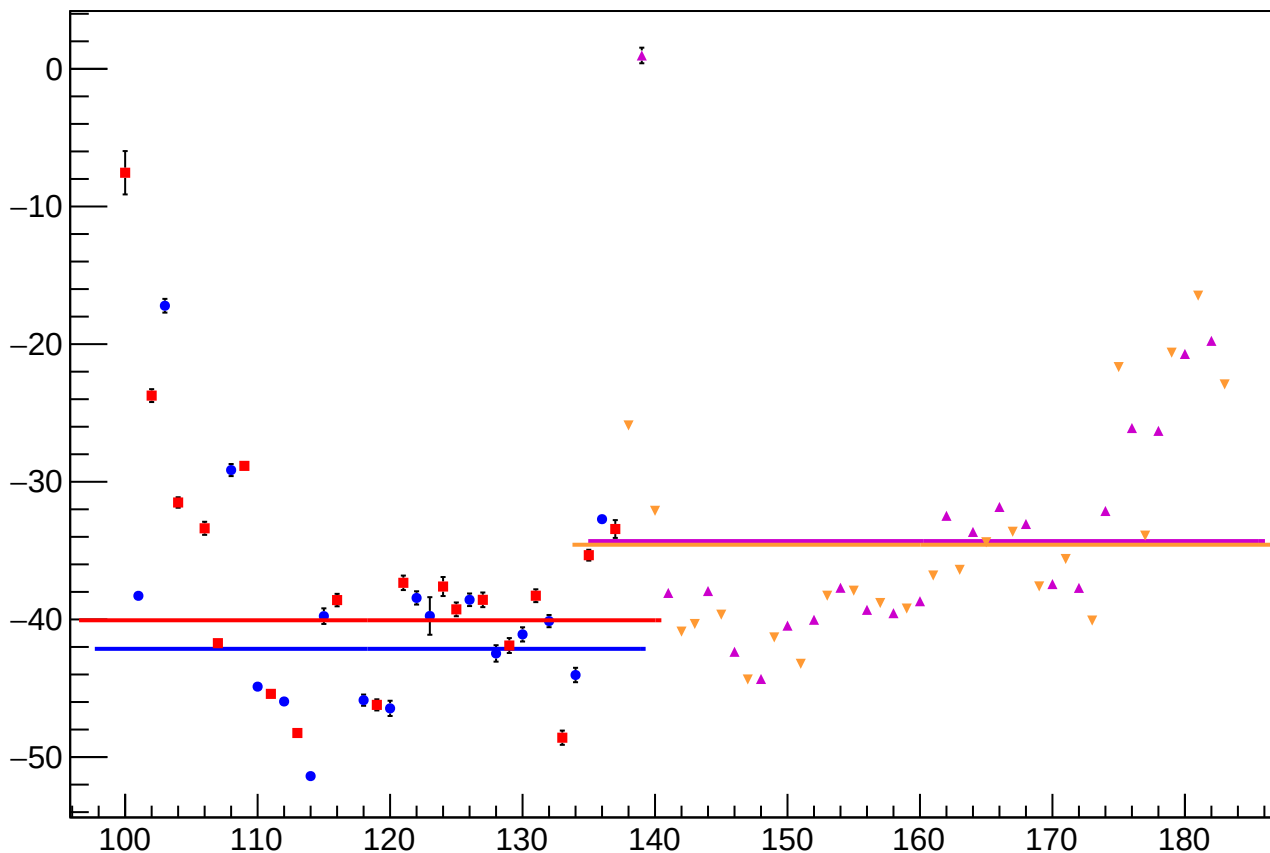
Left In: -2.817+/-0.056 χ^2/NDF : 45659.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2.799+/-0.038 χ^2/NDF : 99527.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.136 ± 0.078 χ^2/NDF : 6553.2/16

Left Out: -34.573 ± 0.042 χ^2/NDF : 34483.1/23

Right Out: -40.062 ± 0.073 χ^2/NDF : 11320.5/18

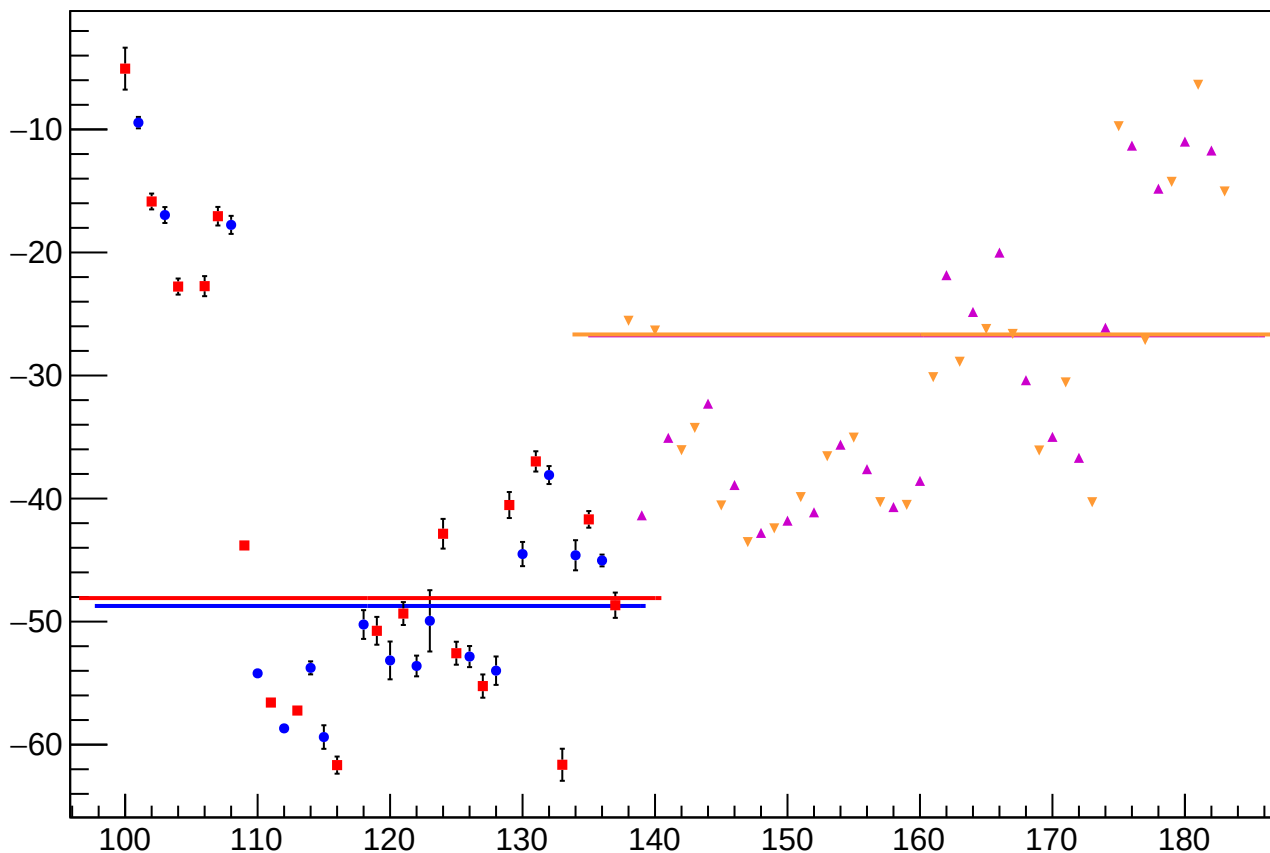
Left In: -34.307 ± 0.044 χ^2/NDF : 27824.7/21

+ sign -36.274 ± 0.037 χ^2/NDF : 48292.2/40

All: -36.073 ± 0.026 χ^2/NDF : 92054.3/81

- sign -35.864 ± 0.038 χ^2/NDF : 43702.1/40

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.729 ± 0.125 χ^2/NDF : 14659.5/16

Left Out: -26.663 ± 0.054 χ^2/NDF : 47485.3/23

Right Out: -48.089 ± 0.107 χ^2/NDF : 11732.9/18

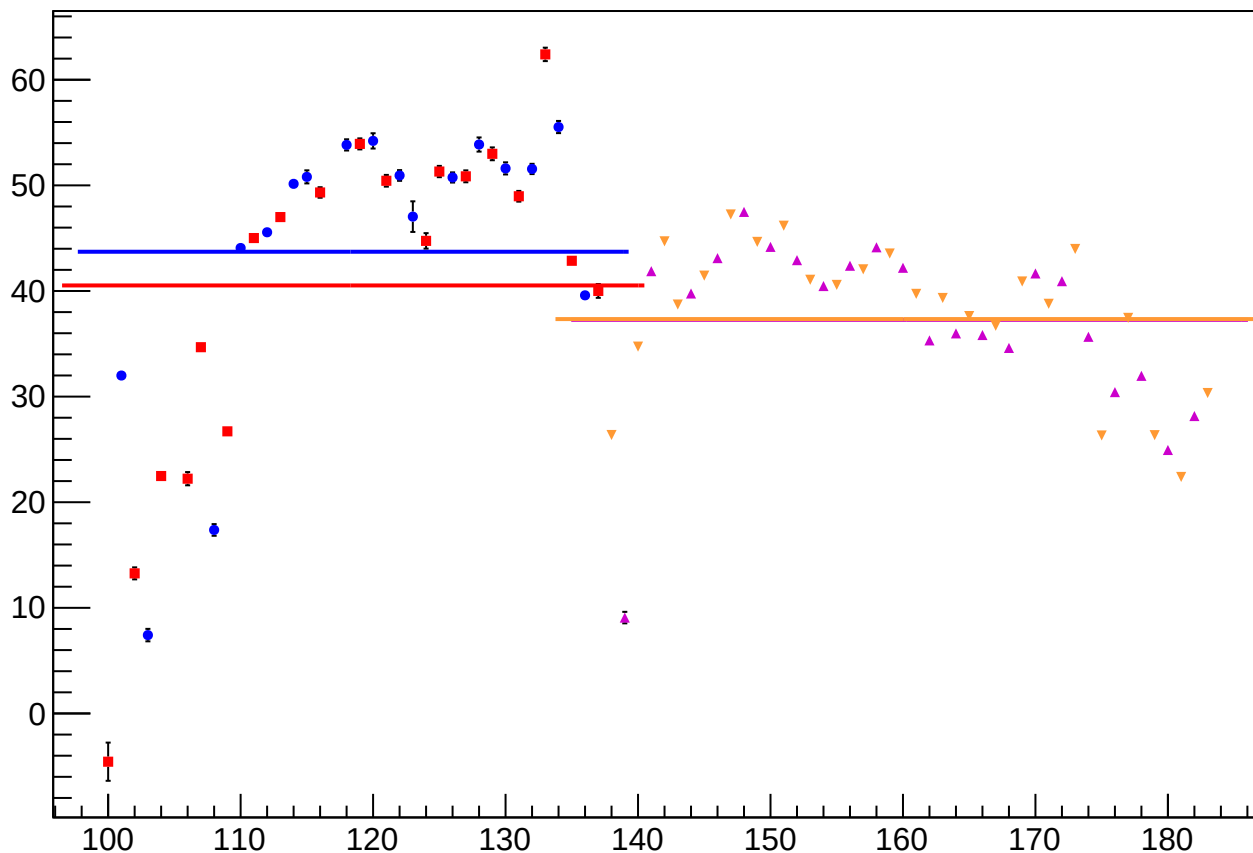
Left In: -26.737 ± 0.056 χ^2/NDF : 42007.2/21

+ sign -30.107 ± 0.049 χ^2/NDF : 88514.8/40

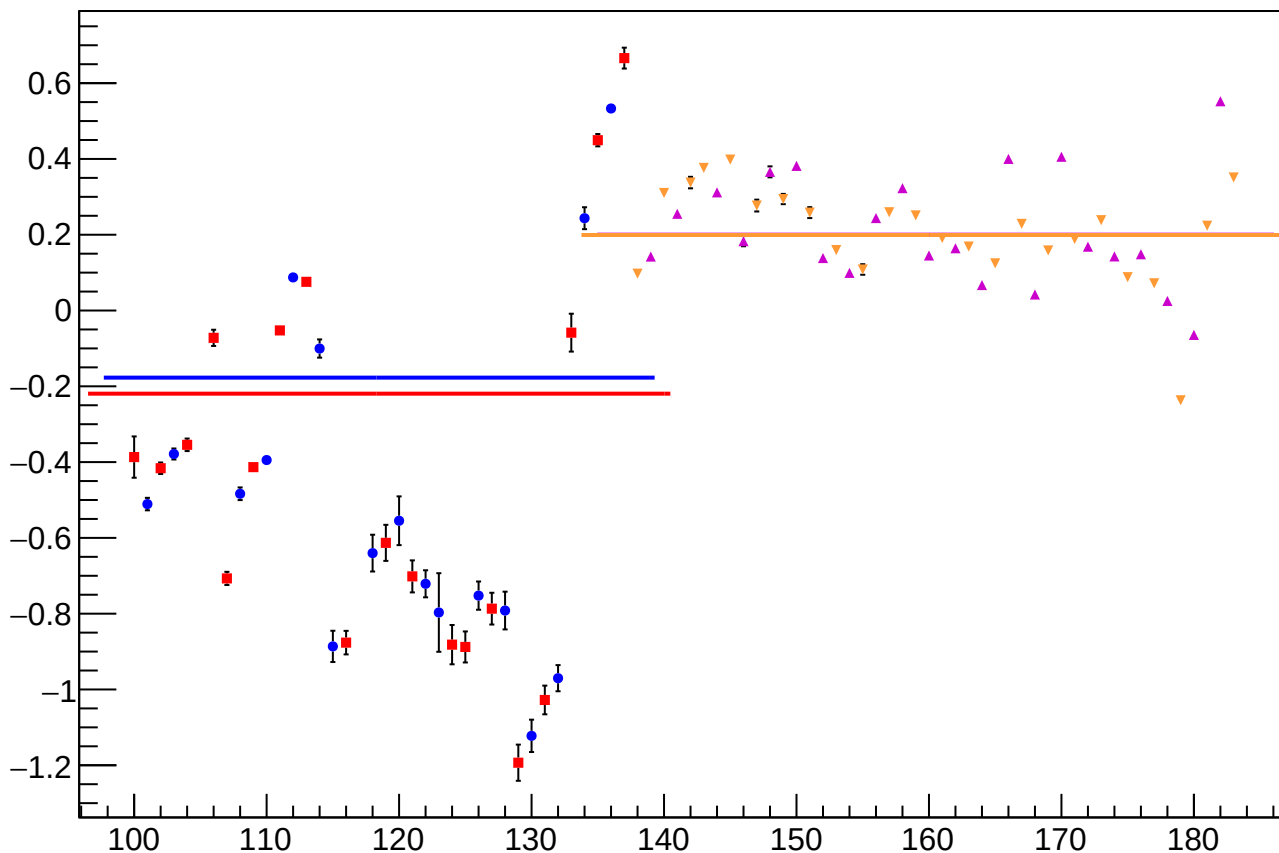
All: -30.681 ± 0.035 χ^2/NDF : 173754.4/81

- sign -31.255 ± 0.049 χ^2/NDF : 84969.0/40

reg_asym_sam8_diff_bpm4eY_slope vs Slug



reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7353.5/16

Left Out: 0.199 ± 0.002 χ^2/NDF : 3542.8/23

Right Out: -0.219 ± 0.004 χ^2/NDF : 7417.3/18

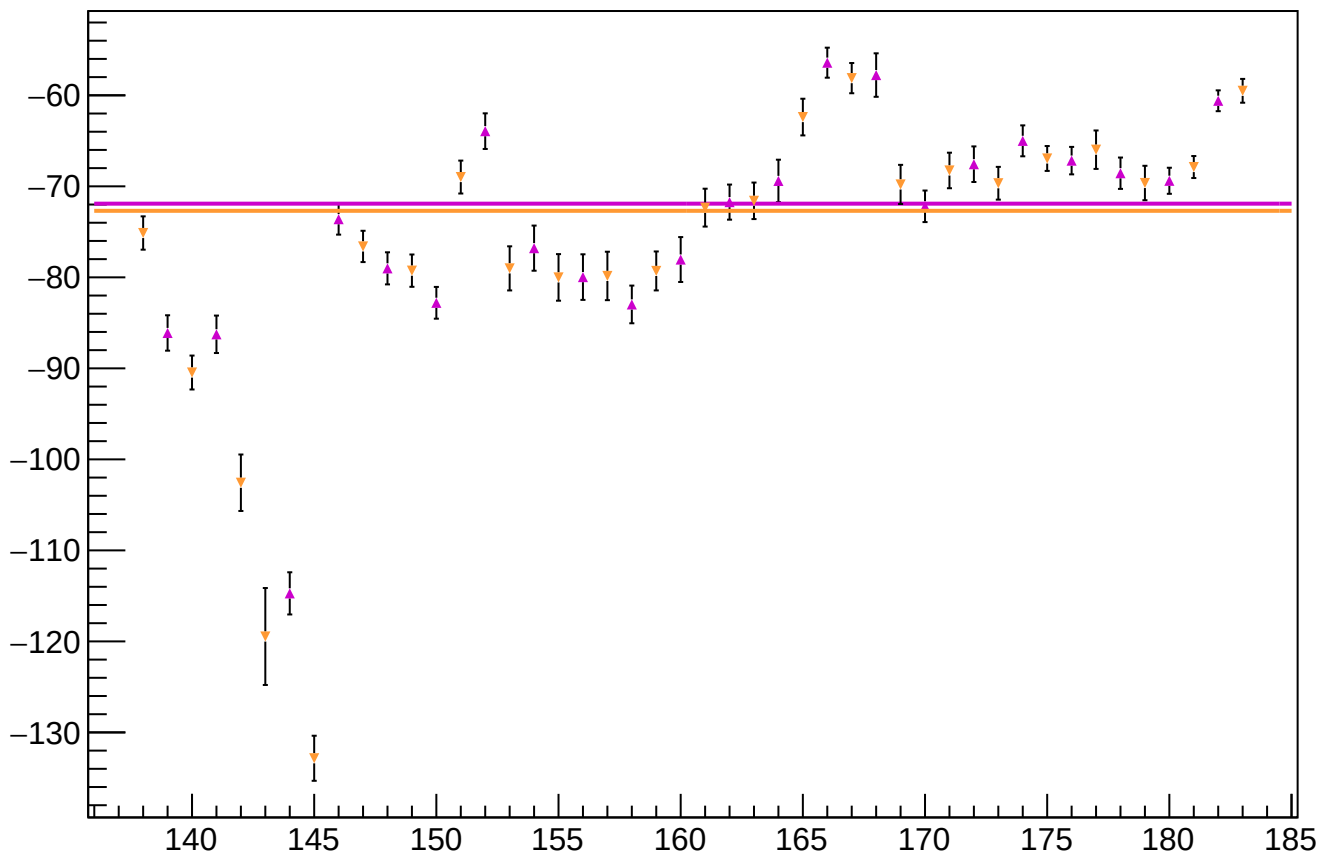
Left In: 0.200 ± 0.002 χ^2/NDF : 4417.7/21

+ sign 0.135 ± 0.002 χ^2/NDF : 15895.7/40

All: 0.122 ± 0.001 χ^2/NDF : 35251.9/81

- sign 0.109 ± 0.002 χ^2/NDF : 19272.2/40

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -72.690+/-0.386 χ^2/NDF :1168.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

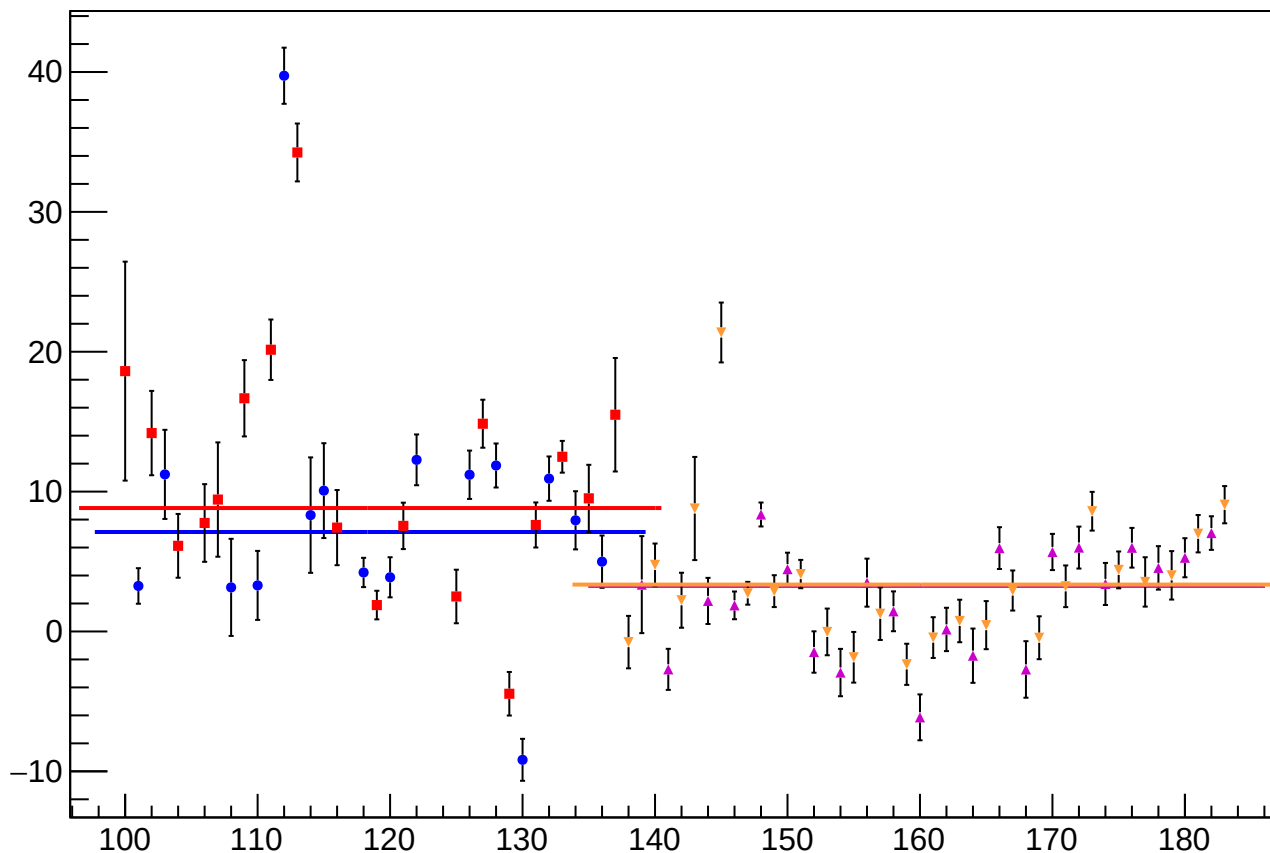
Left In: -71.904+/-0.388 χ^2/NDF :825.2/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -72.300+/-0.274 χ^2/NDF : 1996.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.112 $\pm$ 0.440 χ^2/NDF : 440.4/15

Left Out: 3.353 $\pm$ 0.296 χ^2/NDF :168.7/23

Right Out: 8.824 $\pm$ 0.449 χ^2/NDF : 349.7/17

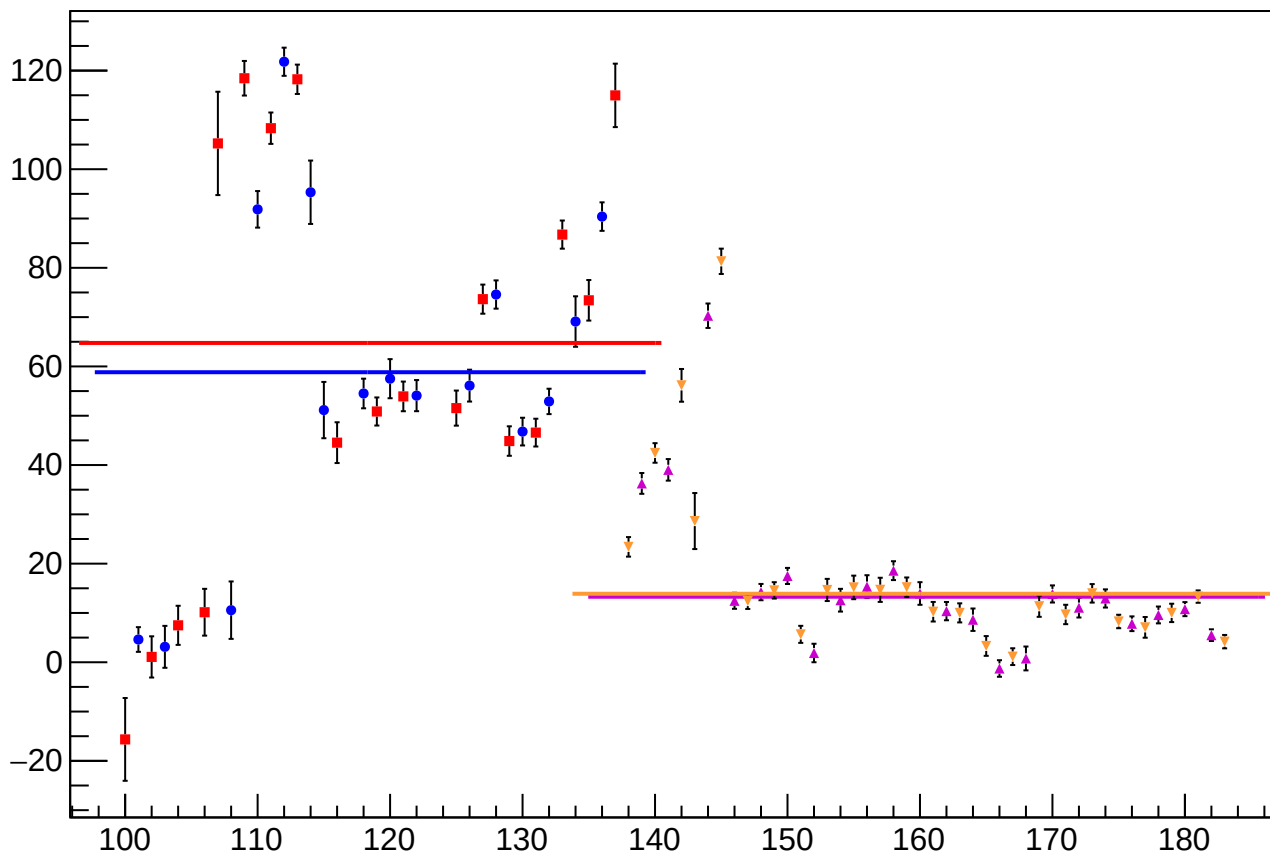
Left In: 3.259 $\pm$ 0.302 χ^2/NDF :159.4/21

+ sign 4.524 $\pm$ 0.246 χ^2/NDF : 659.4/39

All: 4.753 $\pm$ 0.175 χ^2/NDF : 1276.3/79

- sign 4.991 $\pm$ 0.250 χ^2/NDF : 615.1/39

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.825 $\pm$ 0.839 χ^2 /NDF: 1491.4/15

Left Out: 13.895 $\pm$ 0.385 χ^2 /NDF:1293.2/23

Right Out: 64.764 $\pm$ 0.842 χ^2 /NDF: 1718.6/17

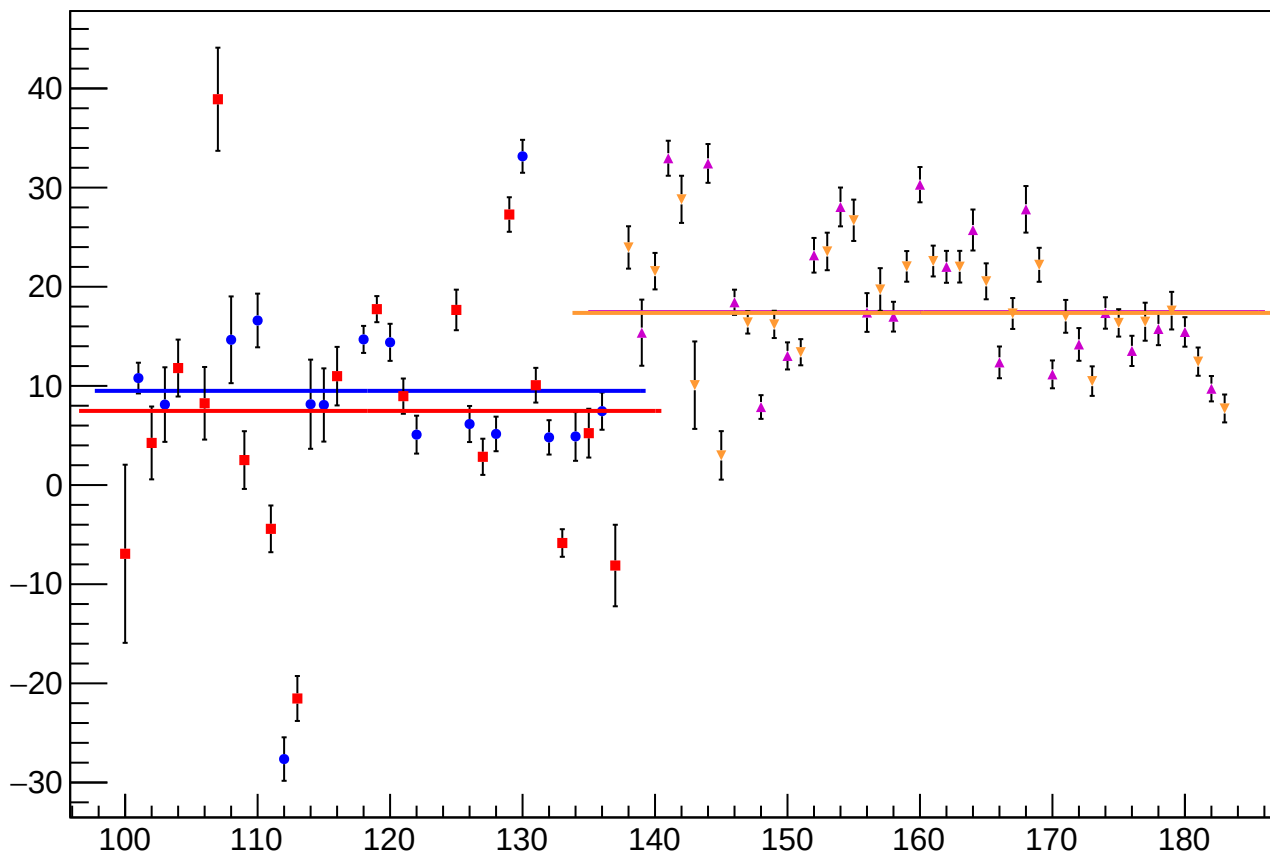
Left In: 13.290 $\pm$ 0.386 χ^2 /NDF:1013.1/21

+ sign 21.702 $\pm$ 0.350 χ^2 /NDF: 5156.7/39

All: 21.964 $\pm$ 0.248 χ^2 /NDF: 10979.3/79

- sign 22.228 $\pm$ 0.351 χ^2 /NDF: 5821.5/39

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.499 ± 0.508 χ^2/NDF : 547.2/15

Left Out: 17.362 ± 0.339 χ^2/NDF : 238.8/23

Right Out: 7.477 ± 0.516 χ^2/NDF : 566.9/17

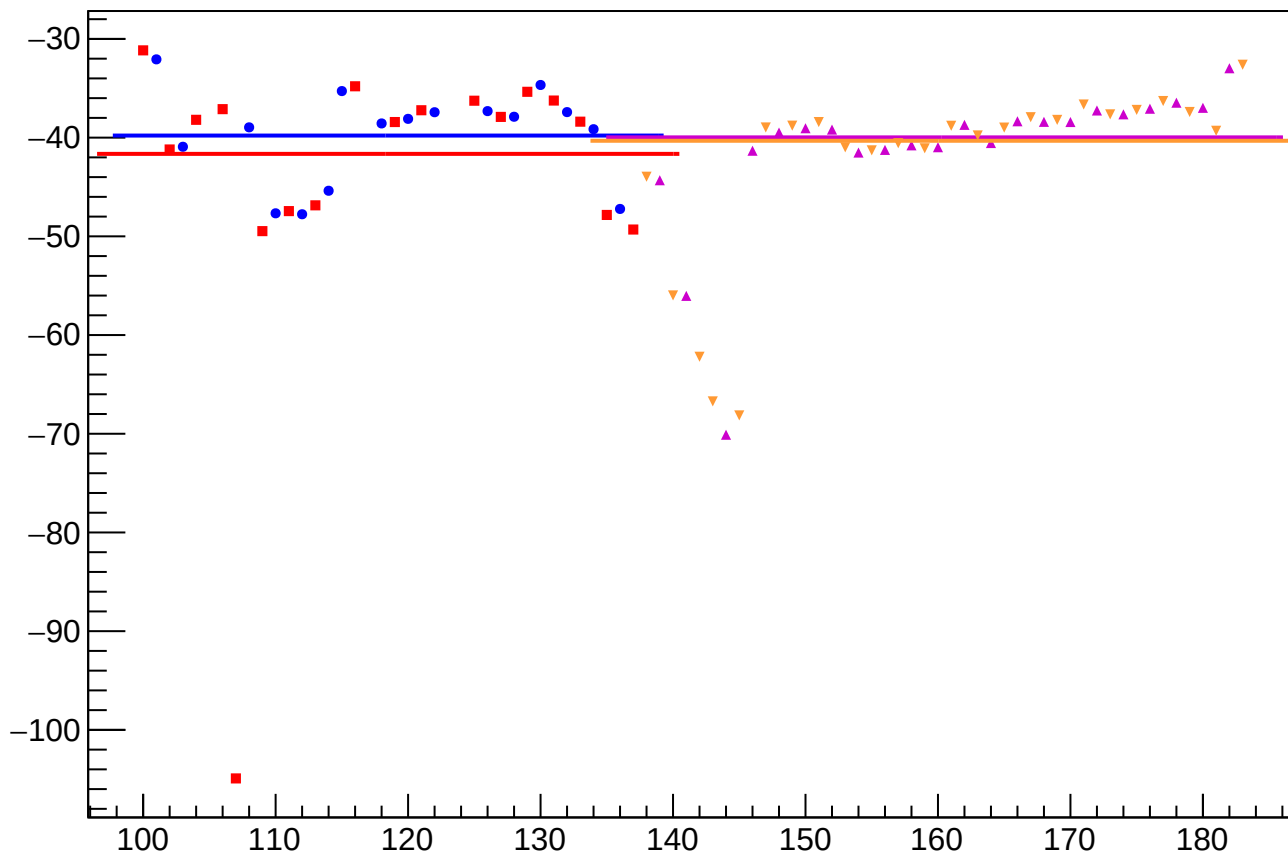
Left In: 17.443 ± 0.344 χ^2/NDF : 427.3/21

+ sign 14.937 ± 0.282 χ^2/NDF : 951.9/39

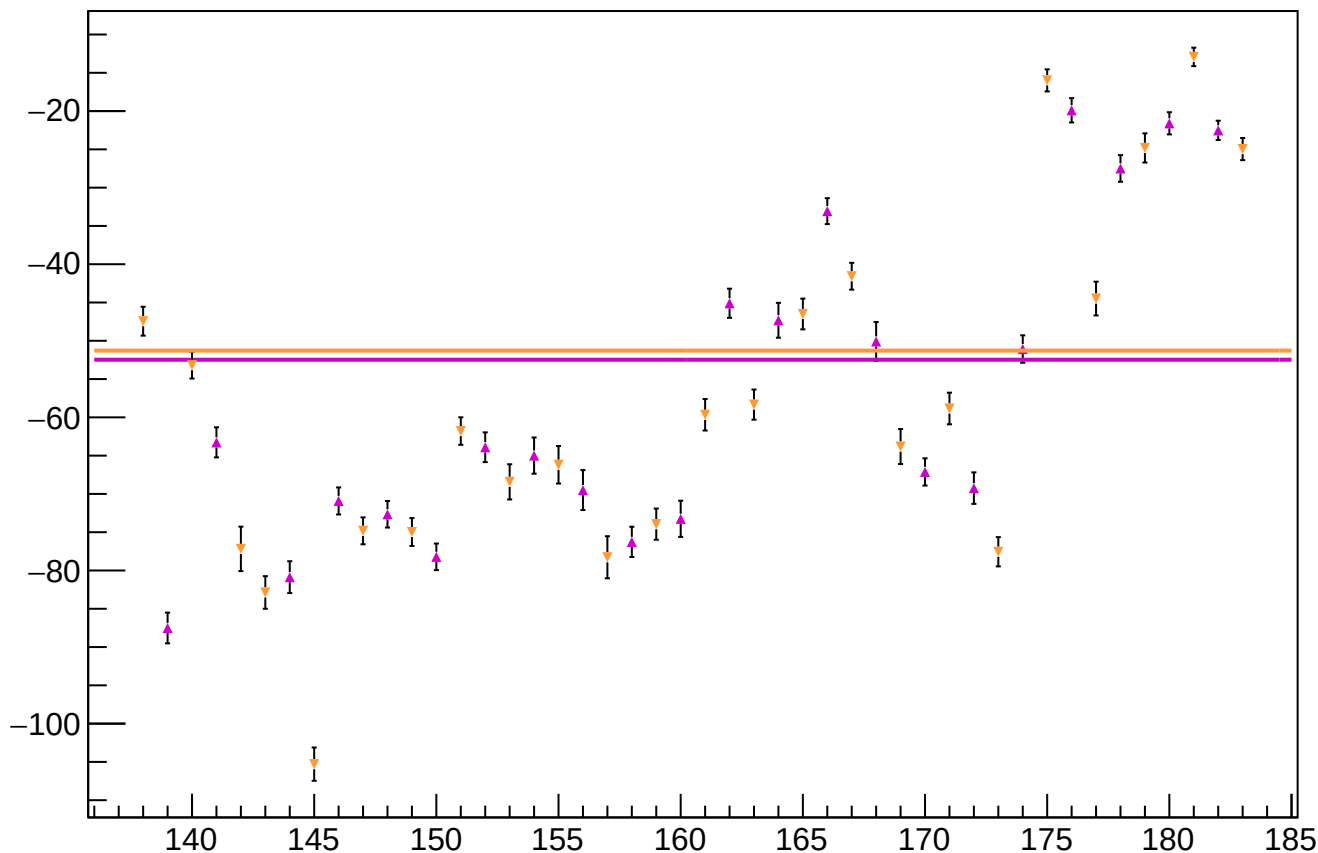
All: 14.662 ± 0.201 χ^2/NDF : 2206.4/79

- sign 14.380 ± 0.286 χ^2/NDF : 1252.6/39

reg_asym_usl_diff_bpm12X_slope vs Slug



reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -51.280 $\pm$ 0.386 χ^2 /NDF: 4059.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

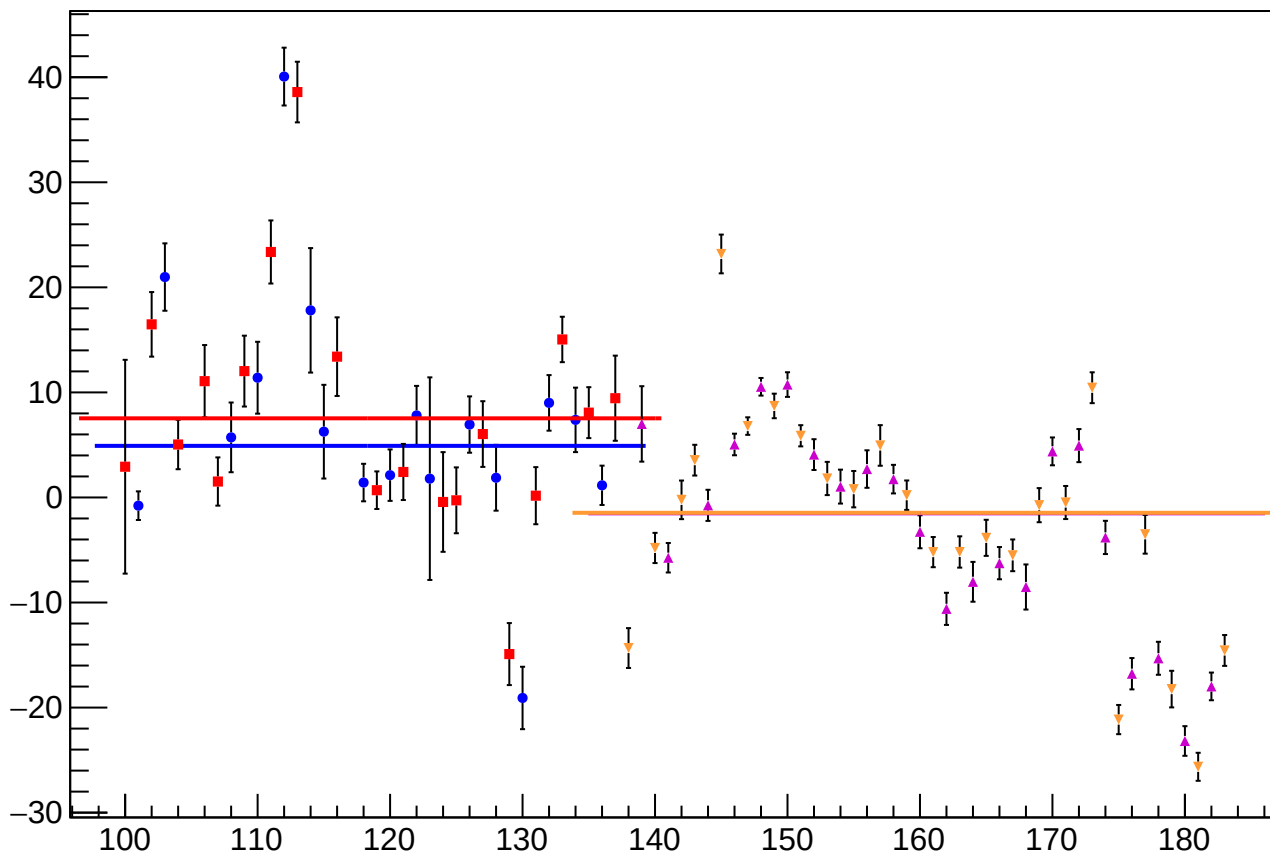
Left In: -52.474 $\pm$ 0.395 χ^2 /NDF: 3250.5/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -51.864 $\pm$ 0.276 χ^2 /NDF: 7314.7/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.912 ± 0.629 χ^2/NDF : 294.3/16

Left Out: -1.460 ± 0.294 χ^2/NDF : 1278.3/23

Right Out: 7.532 ± 0.651 χ^2/NDF : 270.5/18

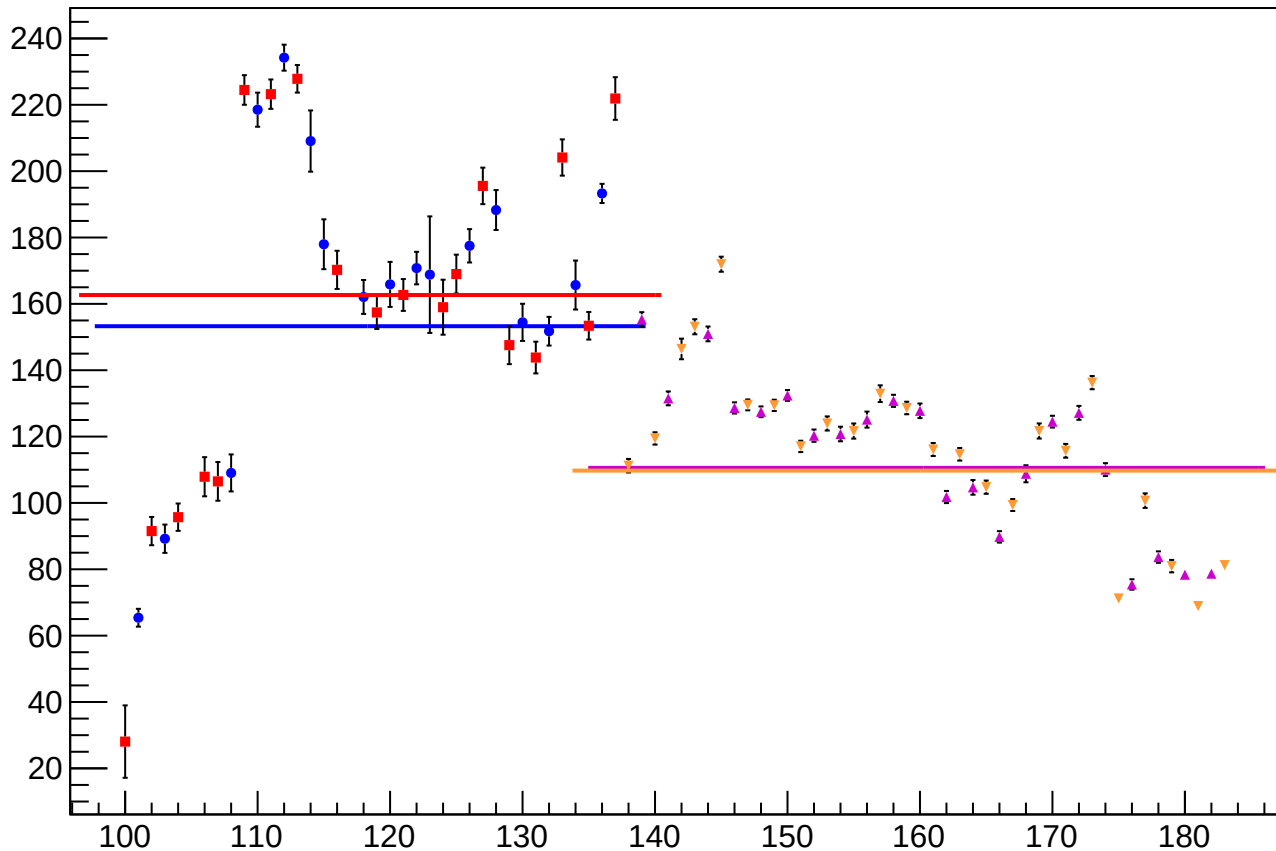
Left In: -1.512 ± 0.303 χ^2/NDF : 1080.8/21

+ sign -0.320 ± 0.266 χ^2/NDF : 1657.0/40

All: -0.118 ± 0.191 χ^2/NDF : 3168.0/81

- sign 0.097 ± 0.275 χ^2/NDF : 1509.8/40

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.268 $\pm$ 1.152 χ^2 /NDF: 2266.2/16

Left Out: 109.744 $\pm$ 0.385 χ^2 /NDF:4493.4/23

Right Out: 162.664 $\pm$ 1.179 χ^2 /NDF: 1708.8/18

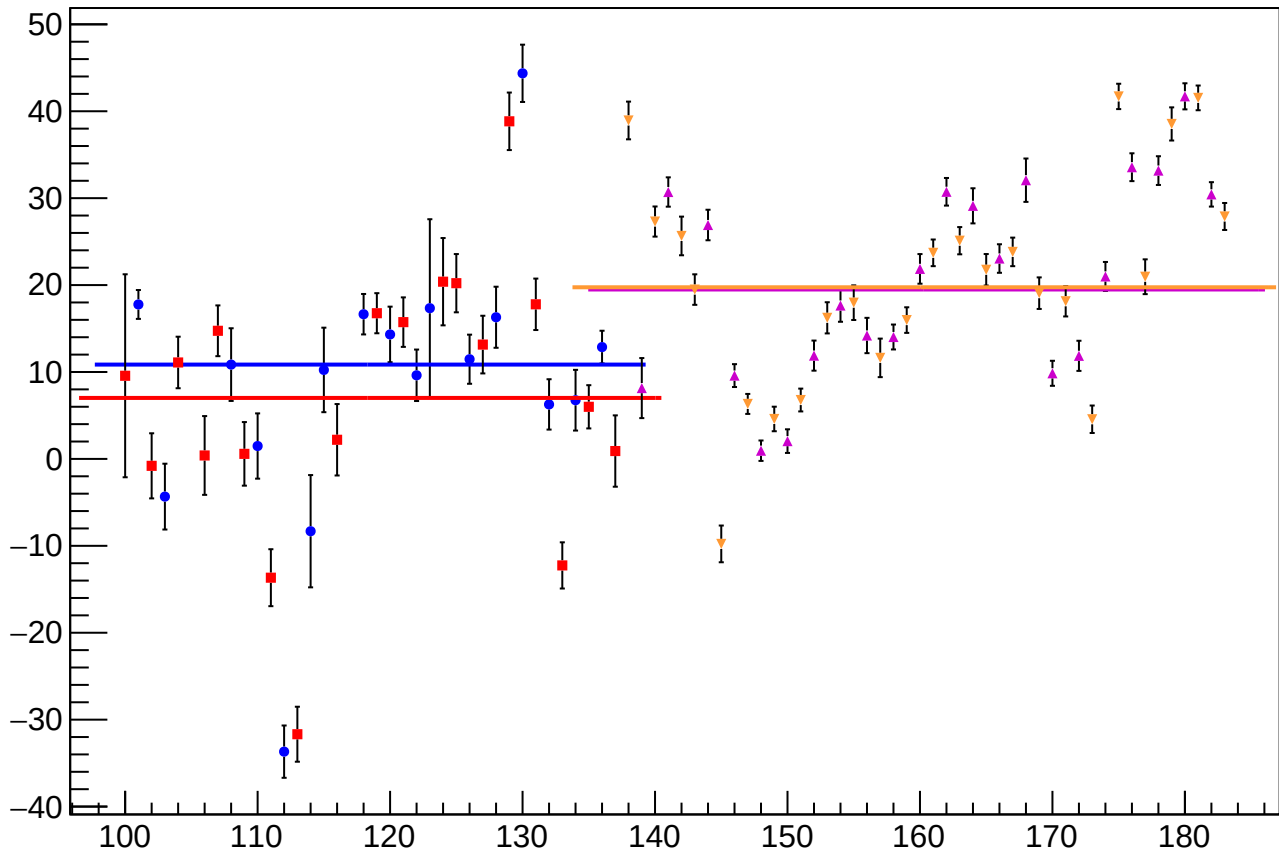
Left In: 110.563 $\pm$ 0.391 χ^2 /NDF:3665.0/21

+ sign 114.115 $\pm$ 0.365 χ^2 /NDF: 8043.9/40

All: 114.911 $\pm$ 0.260 χ^2 /NDF: 15187.7/81

- sign 115.735 $\pm$ 0.371 χ^2 /NDF: 7134.1/40

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.853 $\pm$ 0.721 χ^2/NDF : 386.3/16

Left Out: 19.746 $\pm$ 0.337 χ^2/NDF :1378.8/23

Right Out: 7.016 $\pm$ 0.749 χ^2/NDF : 423.3/18

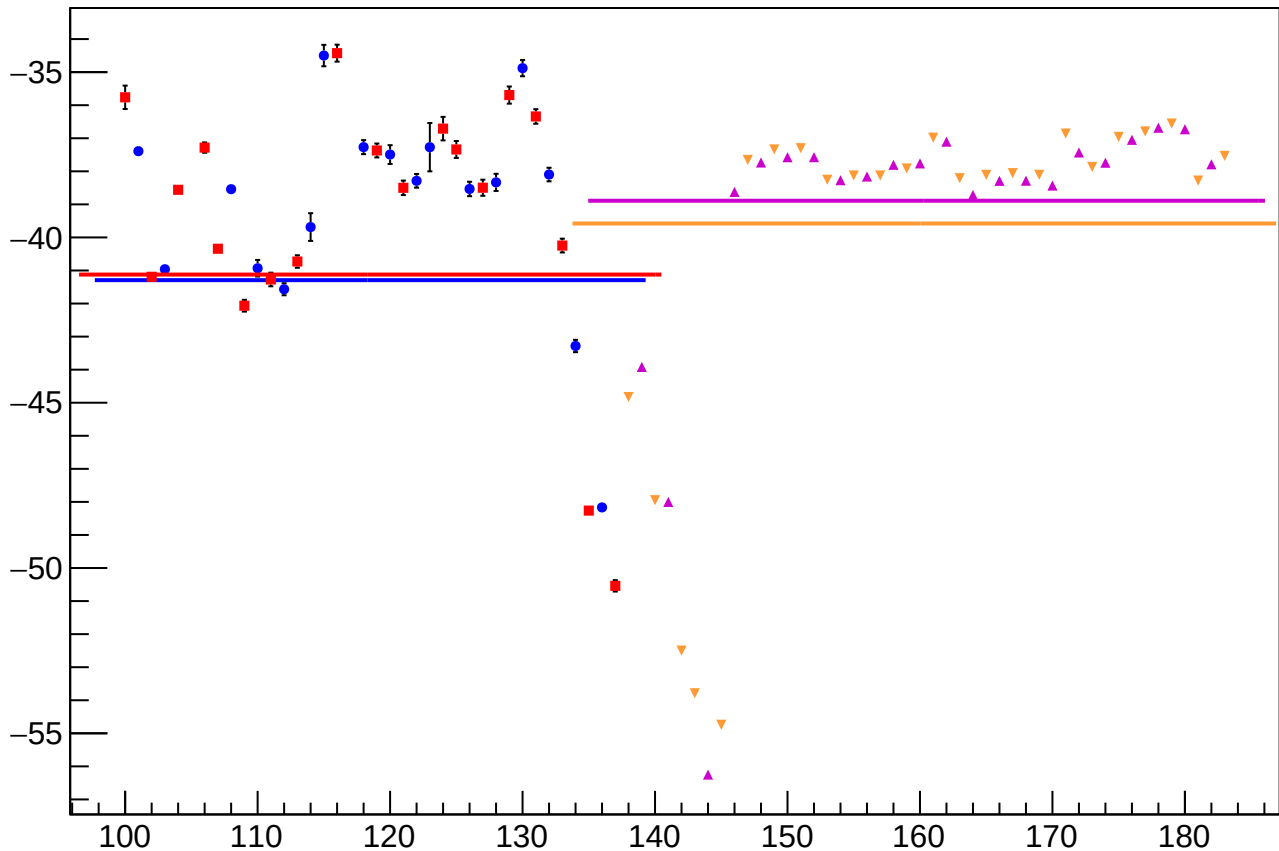
Left In: 19.493 $\pm$ 0.346 χ^2/NDF :1180.7/21

+ sign 18.150 $\pm$ 0.305 χ^2/NDF : 1890.1/40

All: 17.736 $\pm$ 0.219 χ^2/NDF : 3726.8/81

- sign 17.296 $\pm$ 0.314 χ^2/NDF : 1832.9/40

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.292 ± 0.039 $\chi^2/\text{NDF}: 12502.4/16$

Left Out: -39.578 ± 0.016 $\chi^2/\text{NDF}: 91755.6/23$

Right Out: -41.123 ± 0.039 $\chi^2/\text{NDF}: 12115.0/18$

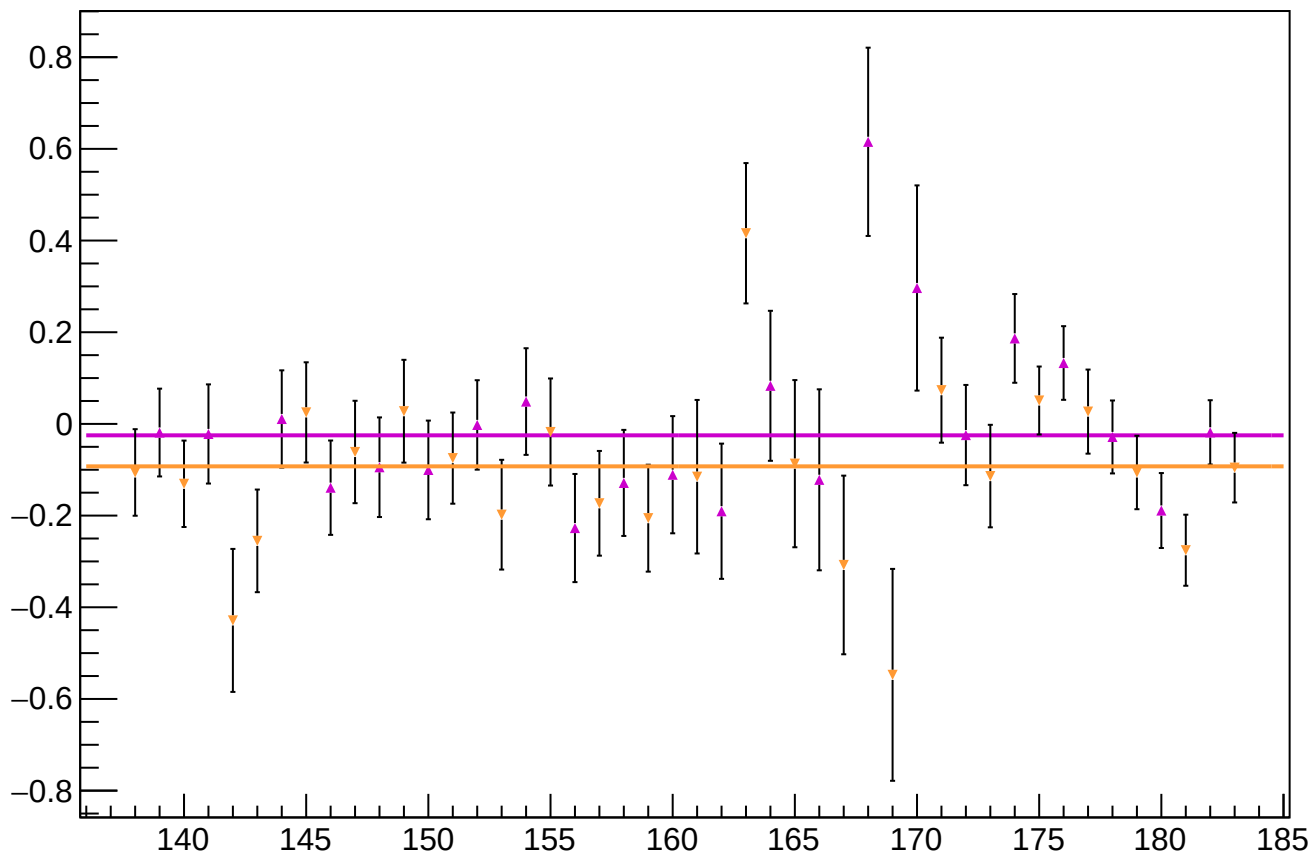
Left In: -38.890 ± 0.016 $\chi^2/\text{NDF}: 53392.8/21$

+ sign -39.826 ± 0.015 $\chi^2/\text{NDF}: 105940.6/40$

All: -39.525 ± 0.010 $\chi^2/\text{NDF}: 175140.3/81$

- sign -39.218 ± 0.015 $\chi^2/\text{NDF}: 68350.0/40$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.093 $\pm$ 0.022 χ^2 /NDF: 41.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

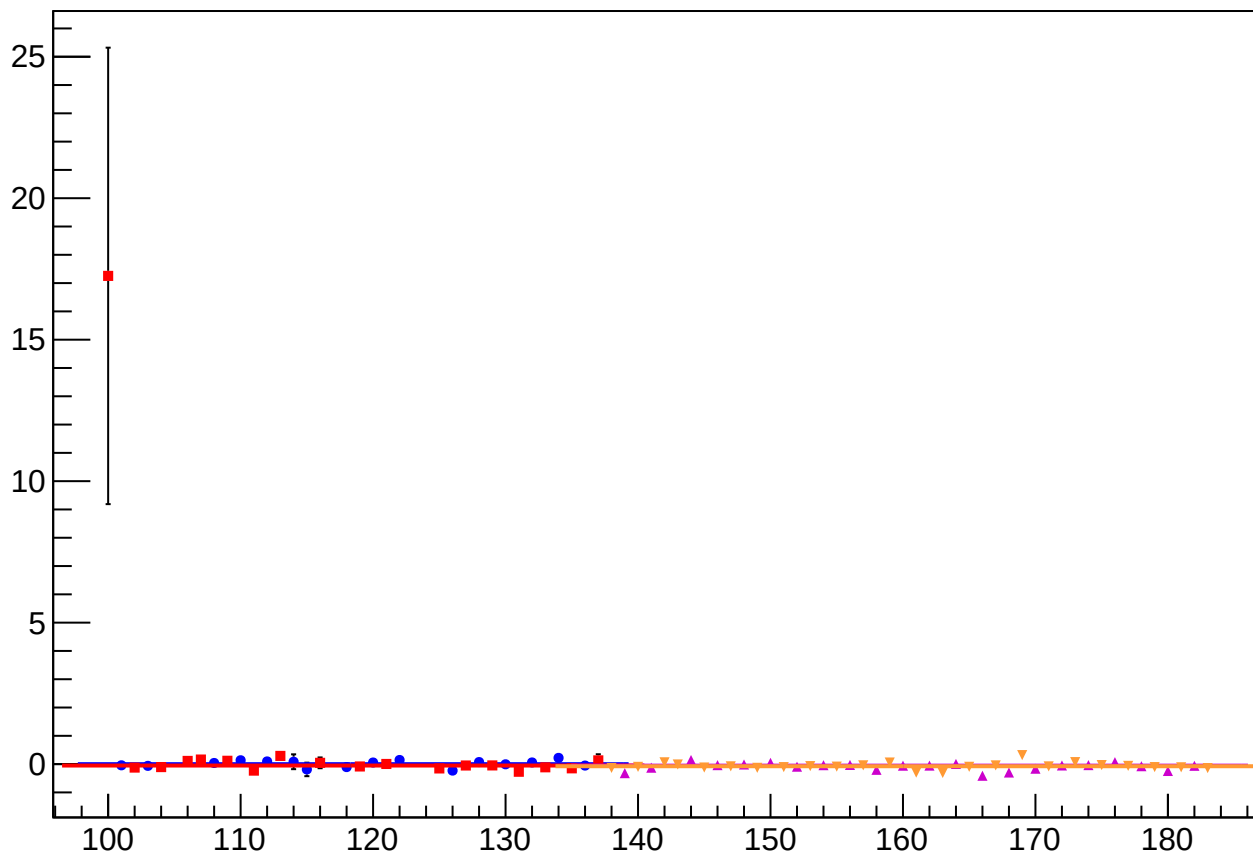
Left In: -0.025 $\pm$ 0.023 χ^2 /NDF: 33.3/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -0.060 $\pm$ 0.016 χ^2 /NDF: 79.2/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 12.7/15

Left Out: -0.075 ± 0.017 χ^2/NDF : 24.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.5/17

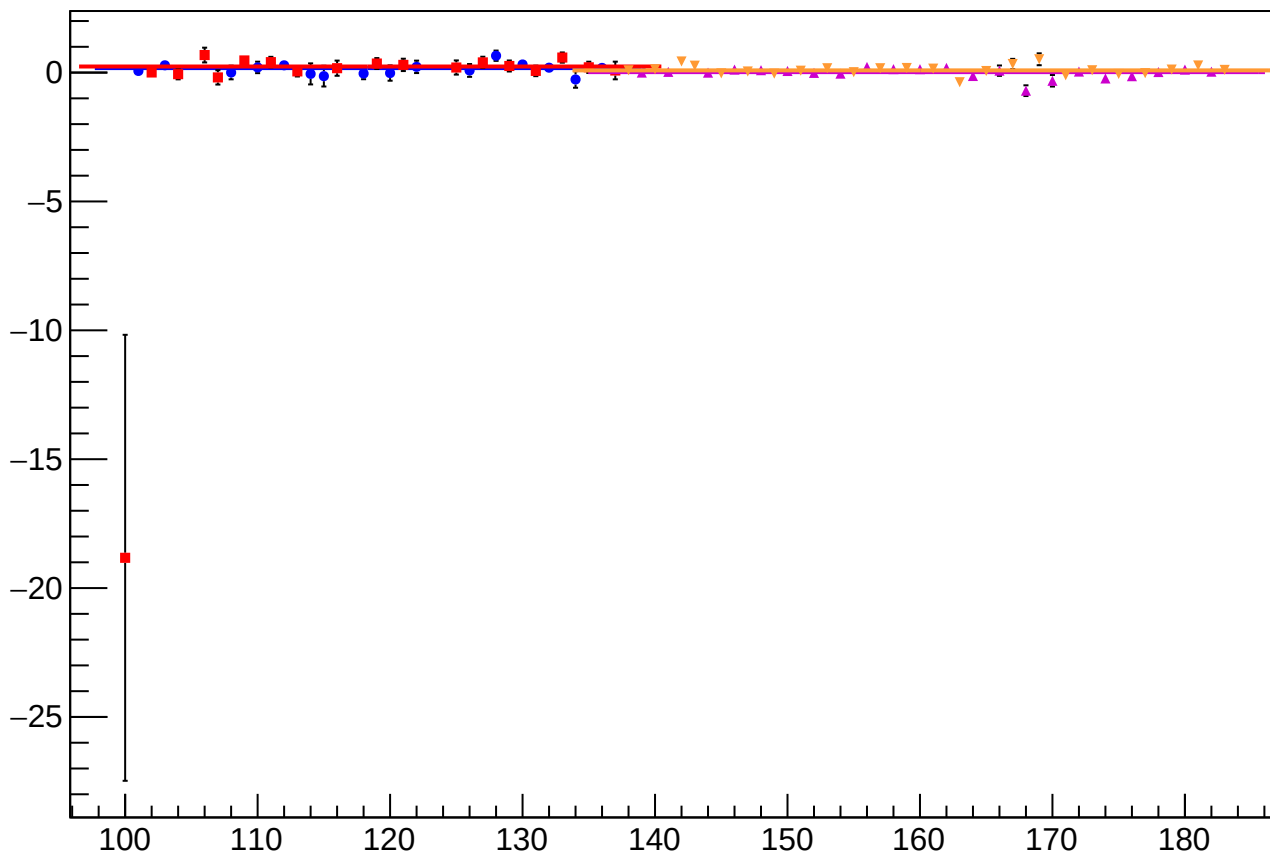
Left In: -0.054 ± 0.018 χ^2/NDF : 31.3/21

+ sign -0.056 ± 0.015 χ^2/NDF : 42.3/39

All: -0.054 ± 0.011 χ^2/NDF : 99.1/79

- sign -0.053 ± 0.015 χ^2/NDF : 56.8/39

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.174 $\pm$ 0.053 χ^2 /NDF: 12.4/15

Left Out: 0.085 $\pm$ 0.022 χ^2 /NDF: 40.2/23

Right Out: 0.236 $\pm$ 0.054 χ^2 /NDF: 21.5/17

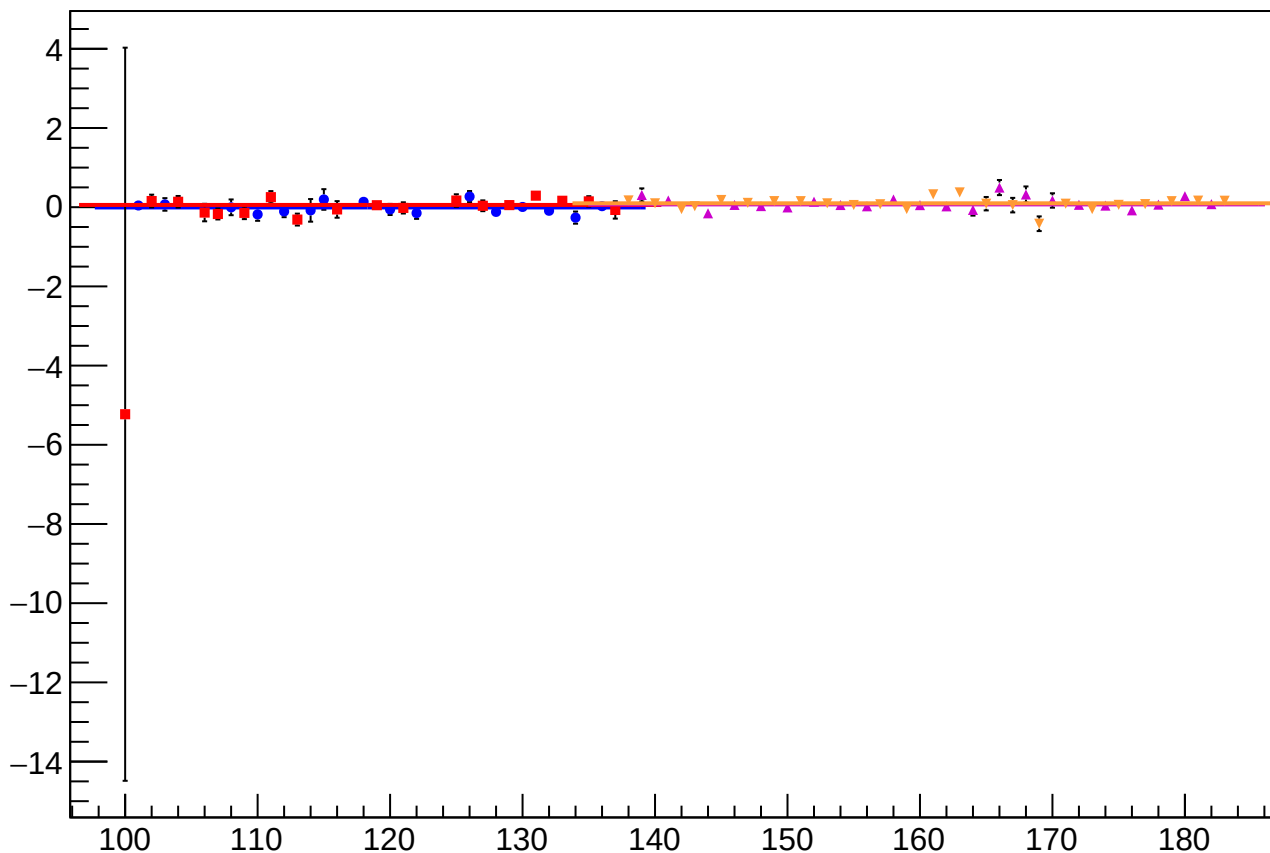
Left In: 0.018 $\pm$ 0.023 χ^2 /NDF: 35.2/21

+ sign 0.098 $\pm$ 0.020 χ^2 /NDF: 55.1/39

All: 0.075 $\pm$ 0.014 χ^2 /NDF: 128.4/79

- sign 0.050 $\pm$ 0.021 χ^2 /NDF: 70.6/39

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.006 ± 0.033 χ^2/NDF : 14.1/15

Left Out: 0.098 ± 0.019 χ^2/NDF : 27.8/23

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

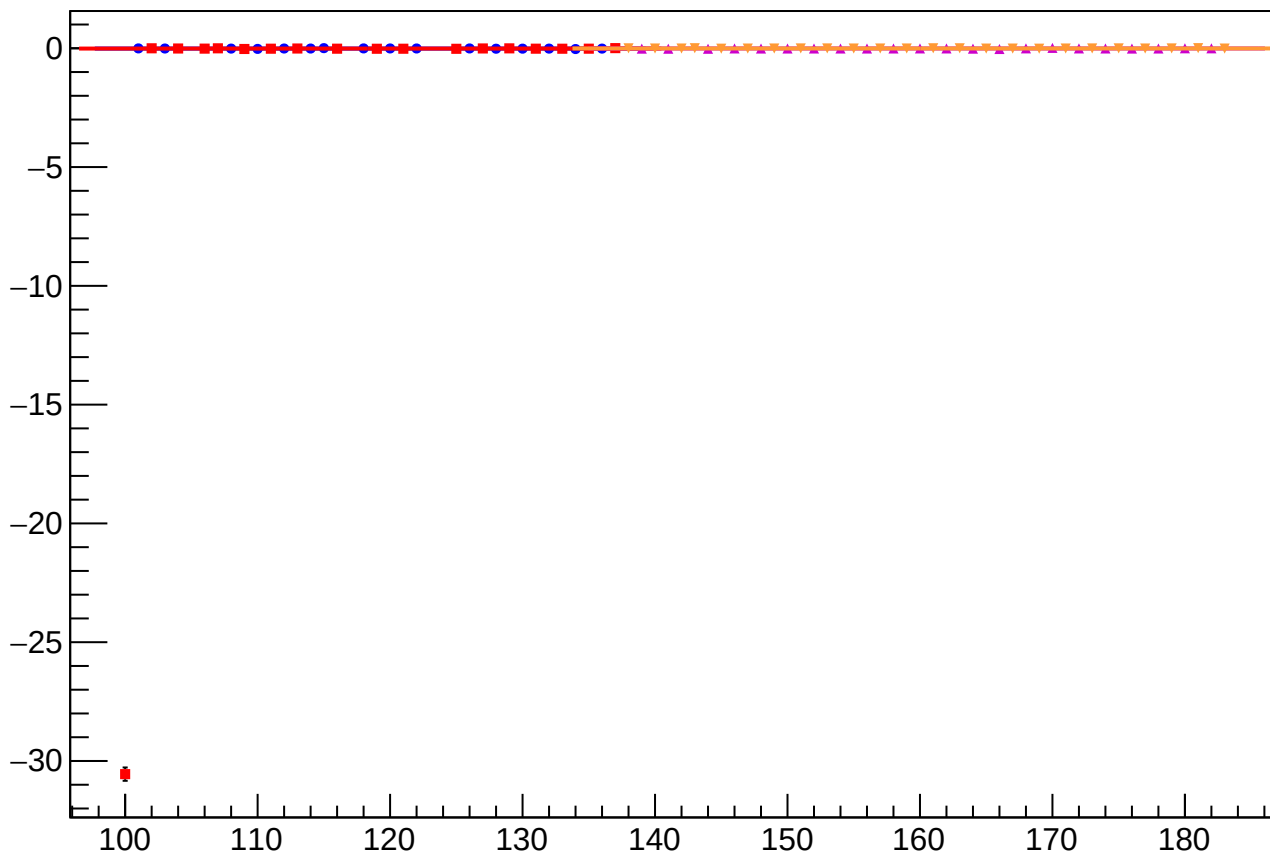
Left In: 0.071 ± 0.020 χ^2/NDF : 31.1/21

+ sign 0.071 ± 0.017 χ^2/NDF : 49.4/39

All: 0.069 ± 0.012 χ^2/NDF : 100.9/79

- sign 0.067 ± 0.017 χ^2/NDF : 51.5/39

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.007 $\pm$ 0.001 χ^2 /NDF:30.8/23

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11890.8/17

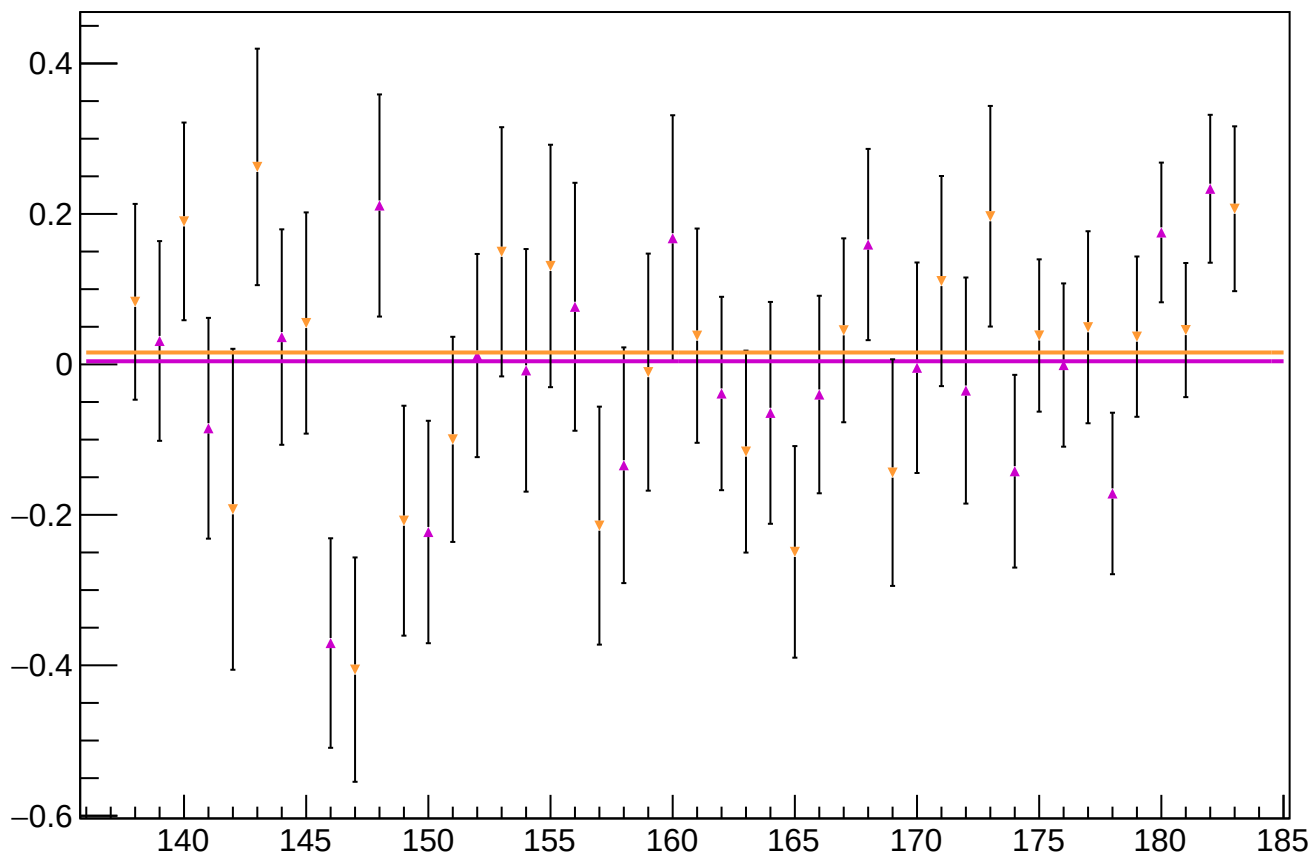
Left In: -0.009 $\pm$ 0.001 χ^2 /NDF:40.8/21

+ sign -0.008 $\pm$ 0.001 χ^2 /NDF: 48.6/39

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 11983.9/79

- sign -0.009 $\pm$ 0.001 χ^2 /NDF: 11934.3/39

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.016 $\pm$ 0.027 χ^2 /NDF:30.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

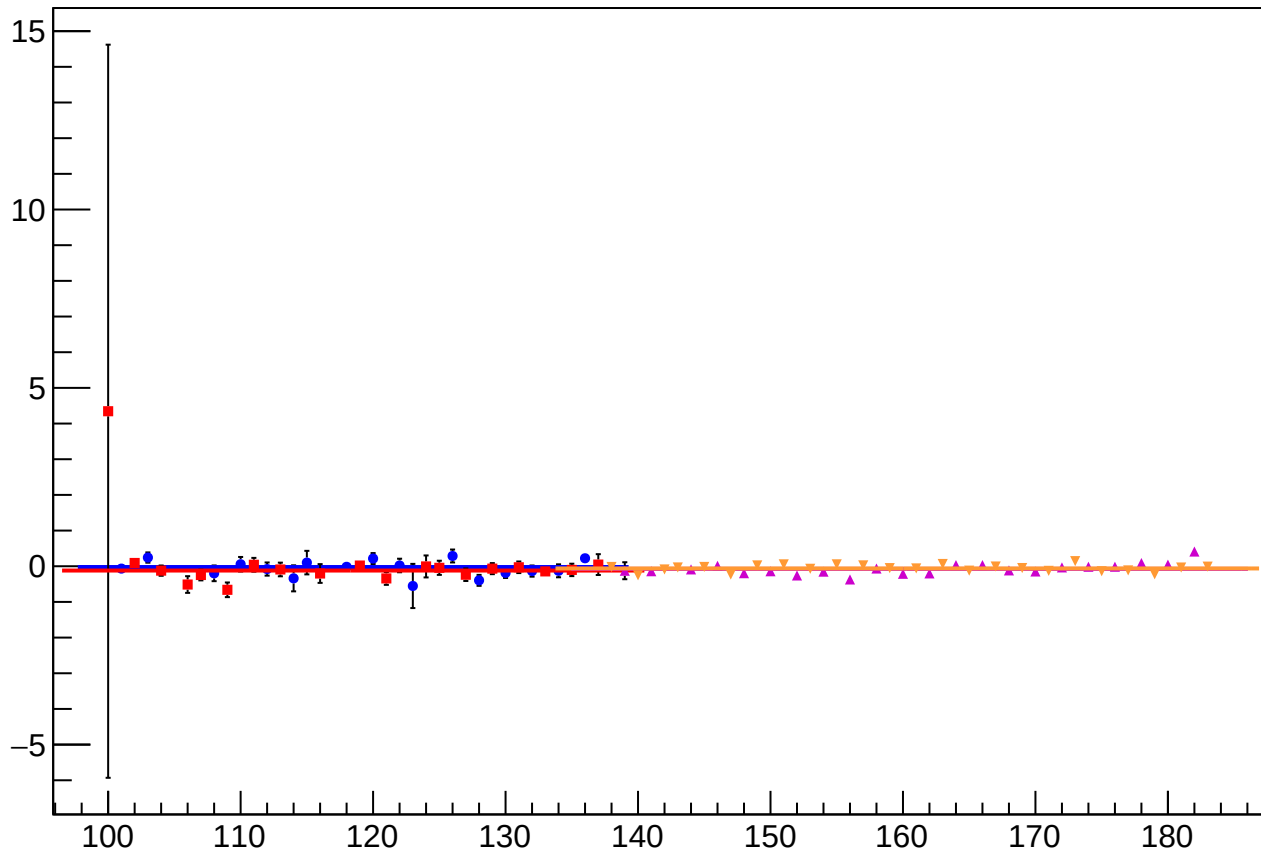
Left In: 0.004 $\pm$ 0.028 χ^2 /NDF:28.8/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.010 $\pm$ 0.020 χ^2 /NDF: 59.6/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 22.9/16

Left Out: -0.062 ± 0.021 χ^2/NDF : 23.5/23

Right Out: -0.120 ± 0.039 χ^2/NDF : 18.5/18

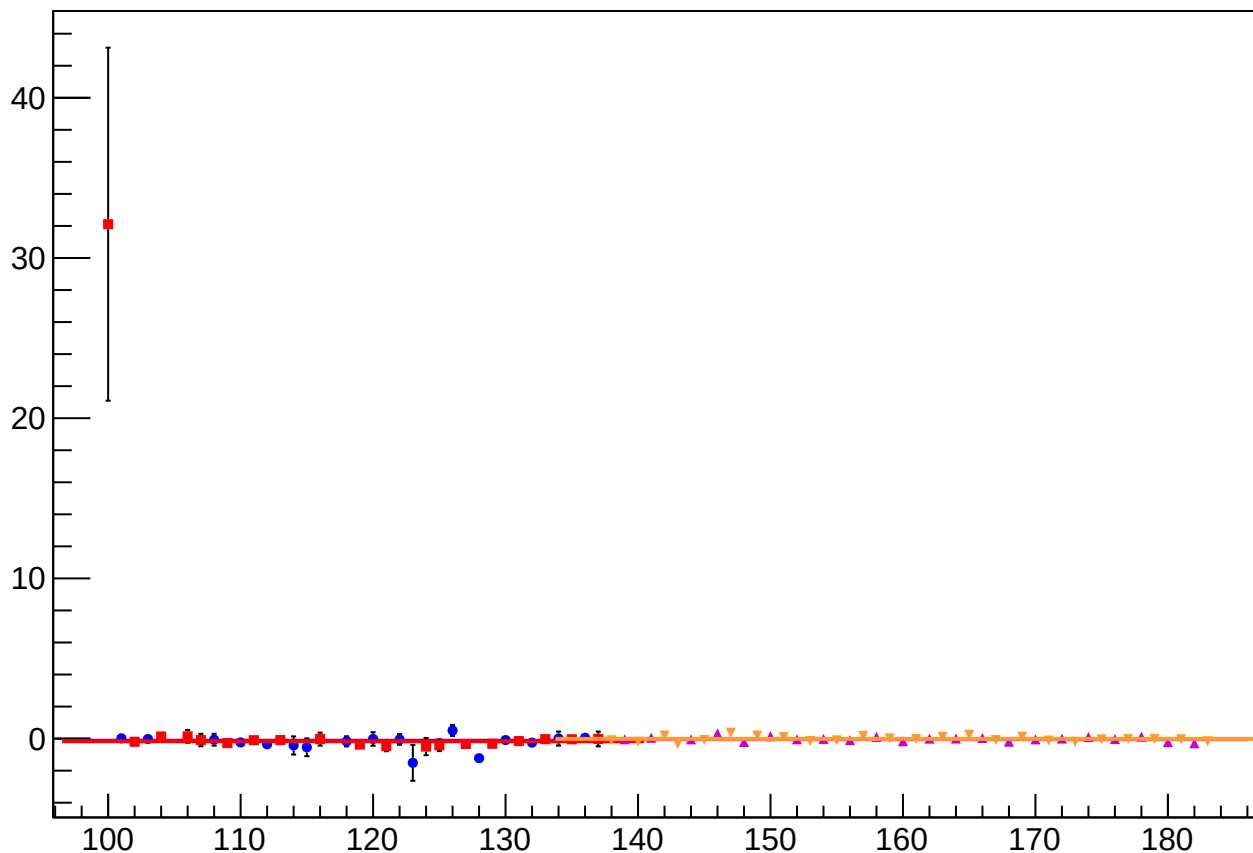
Left In: -0.074 ± 0.022 χ^2/NDF : 48.0/21

+ sign -0.052 ± 0.018 χ^2/NDF : 47.4/40

All: -0.068 ± 0.013 χ^2/NDF : 116.4/81

- sign -0.085 ± 0.019 χ^2/NDF : 67.5/40

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 24.7/16

Left Out: -0.017 ± 0.027 χ^2/NDF : 28.9/23

Right Out: -0.164 ± 0.071 χ^2/NDF : 14.4/18

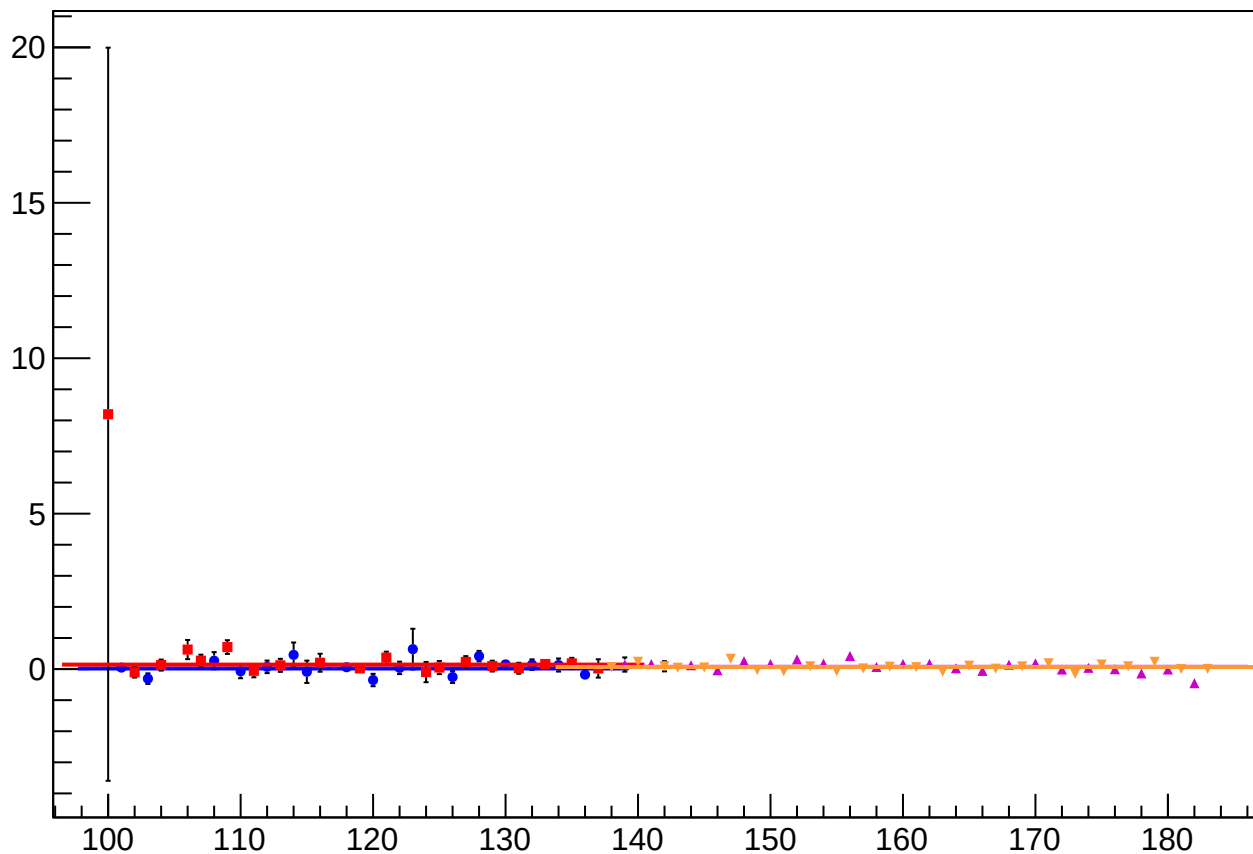
Left In: -0.034 ± 0.028 χ^2/NDF : 28.3/21

+ sign -0.034 ± 0.025 χ^2/NDF : 56.2/40

All: -0.042 ± 0.018 χ^2/NDF : 102.1/81

- sign -0.051 ± 0.026 χ^2/NDF : 45.6/40

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.019 ± 0.043 χ^2/NDF : 21.6/16

Left Out: 0.067 ± 0.024 χ^2/NDF : 23.1/23

Right Out: 0.144 ± 0.045 χ^2/NDF : 16.8/18

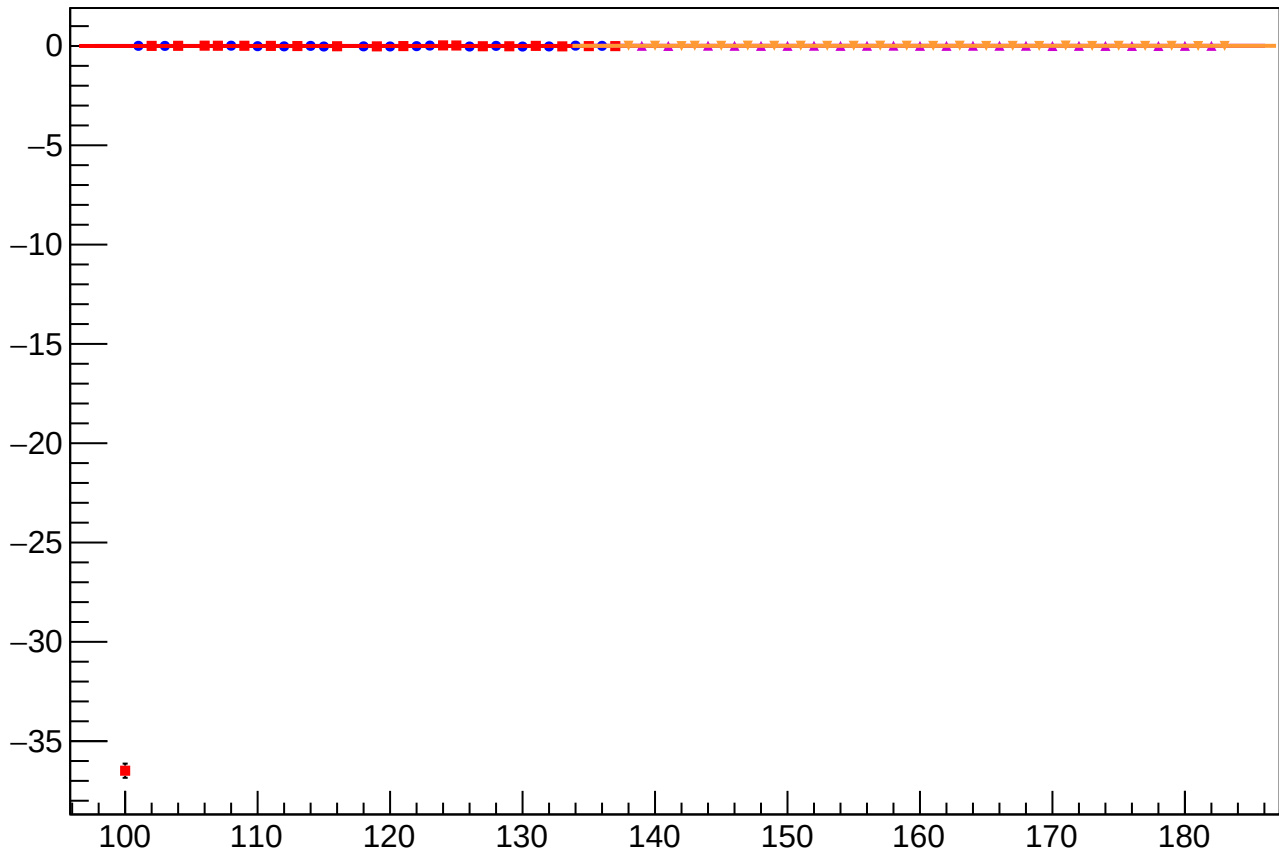
Left In: 0.073 ± 0.025 χ^2/NDF : 50.4/21

+ sign 0.055 ± 0.021 χ^2/NDF : 45.7/40

All: 0.071 ± 0.015 χ^2/NDF : 116.1/81

- sign 0.089 ± 0.022 χ^2/NDF : 69.1/40

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 30.5/16

Left Out: 0.008+/-0.001 χ^2/NDF : 26.0/23

Right Out: 0.001+/-0.002 χ^2/NDF : 10449.2/18

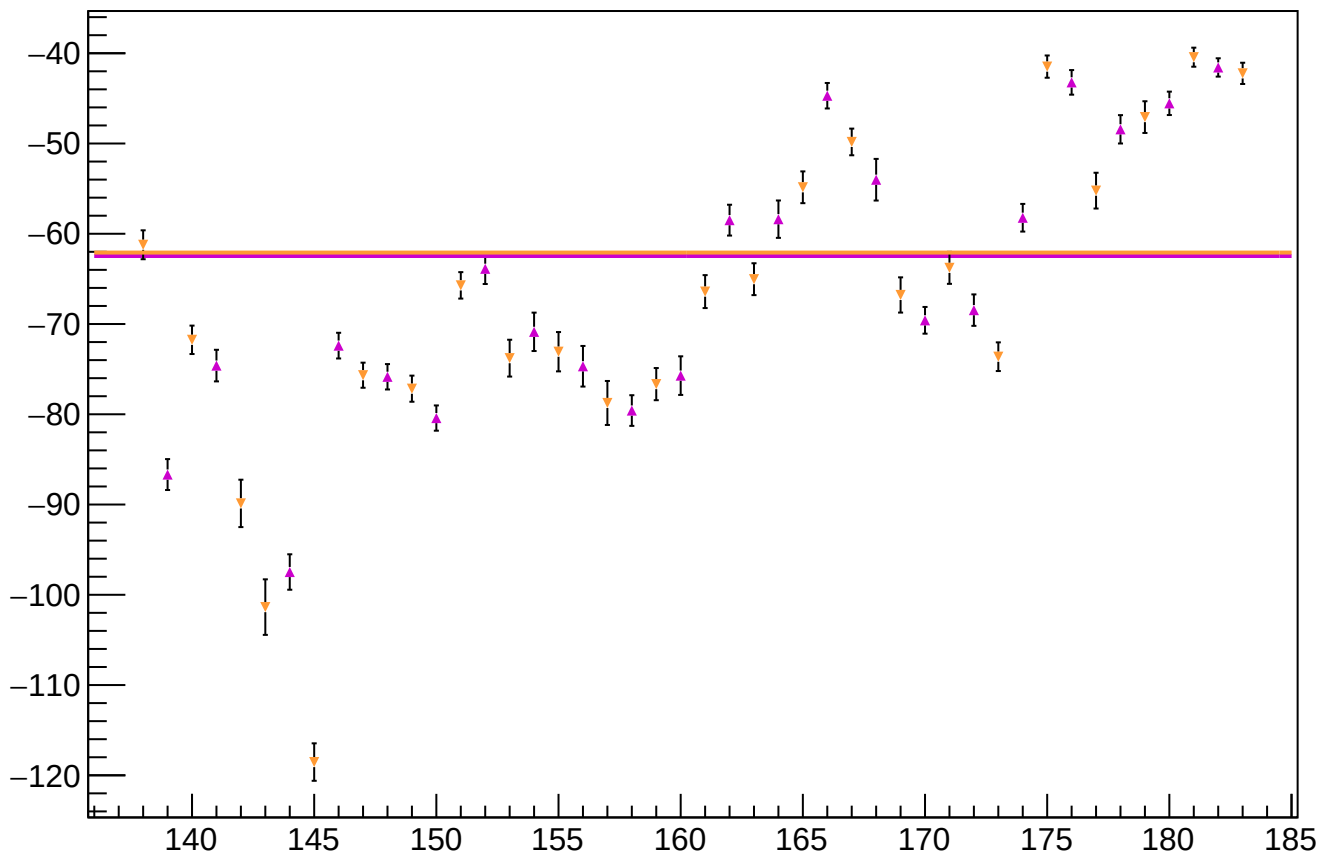
Left In: 0.009+/-0.001 χ^2/NDF : 14.4/21

+ sign 0.007+/-0.001 χ^2/NDF : 64.4/40

All: 0.007+/-0.001 χ^2/NDF : 10538.9/81

- sign 0.007+/-0.001 χ^2/NDF : 10474.3/40

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -62.084+/-0.335 χ^2/NDF : 2658.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

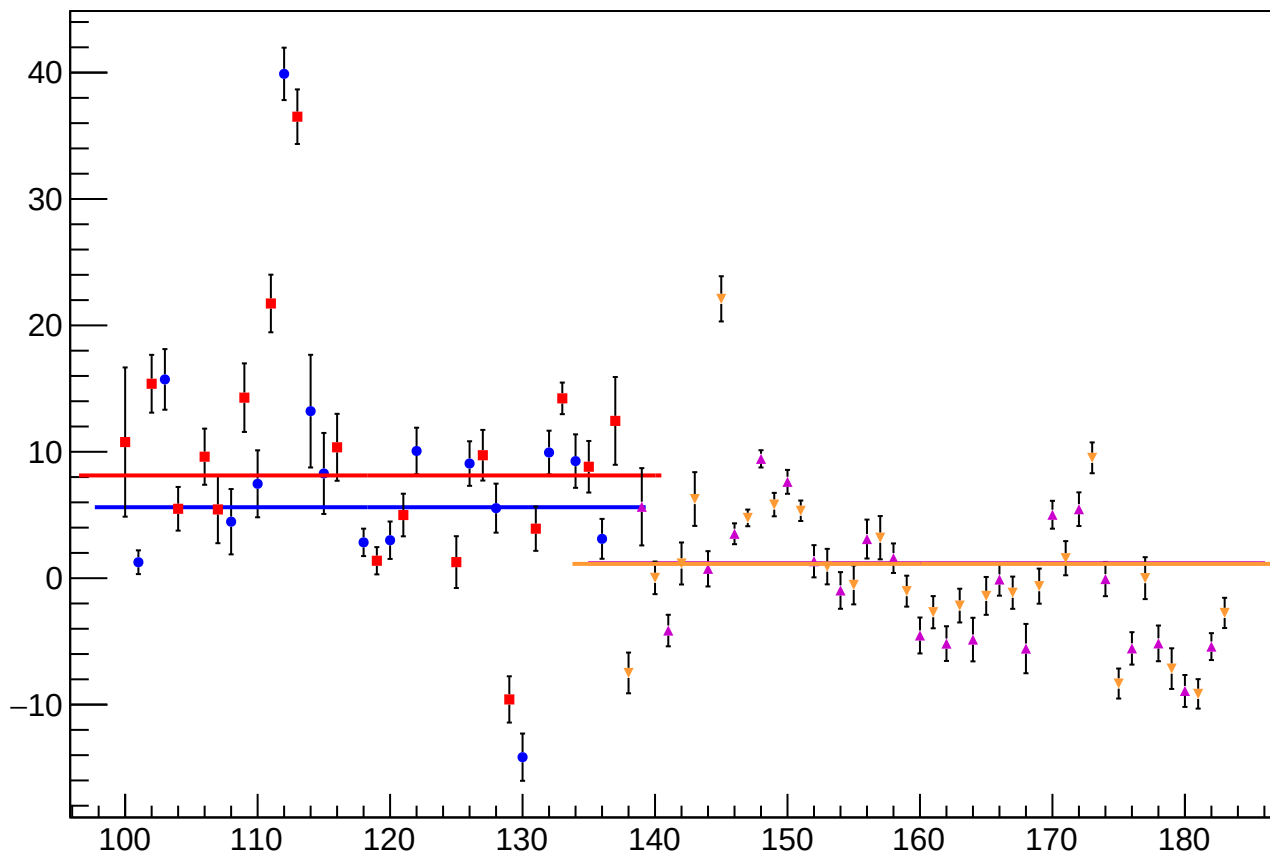
Left In: -62.463+/-0.338 χ^2/NDF : 2151.5/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -62.272+/-0.238 χ^2/NDF : 4810.3/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.615 ± 0.430 χ^2/NDF : 460.0/15

Left Out: 1.133 ± 0.253 χ^2/NDF : 510.7/23

Right Out: 8.129 ± 0.453 χ^2/NDF : 407.7/17

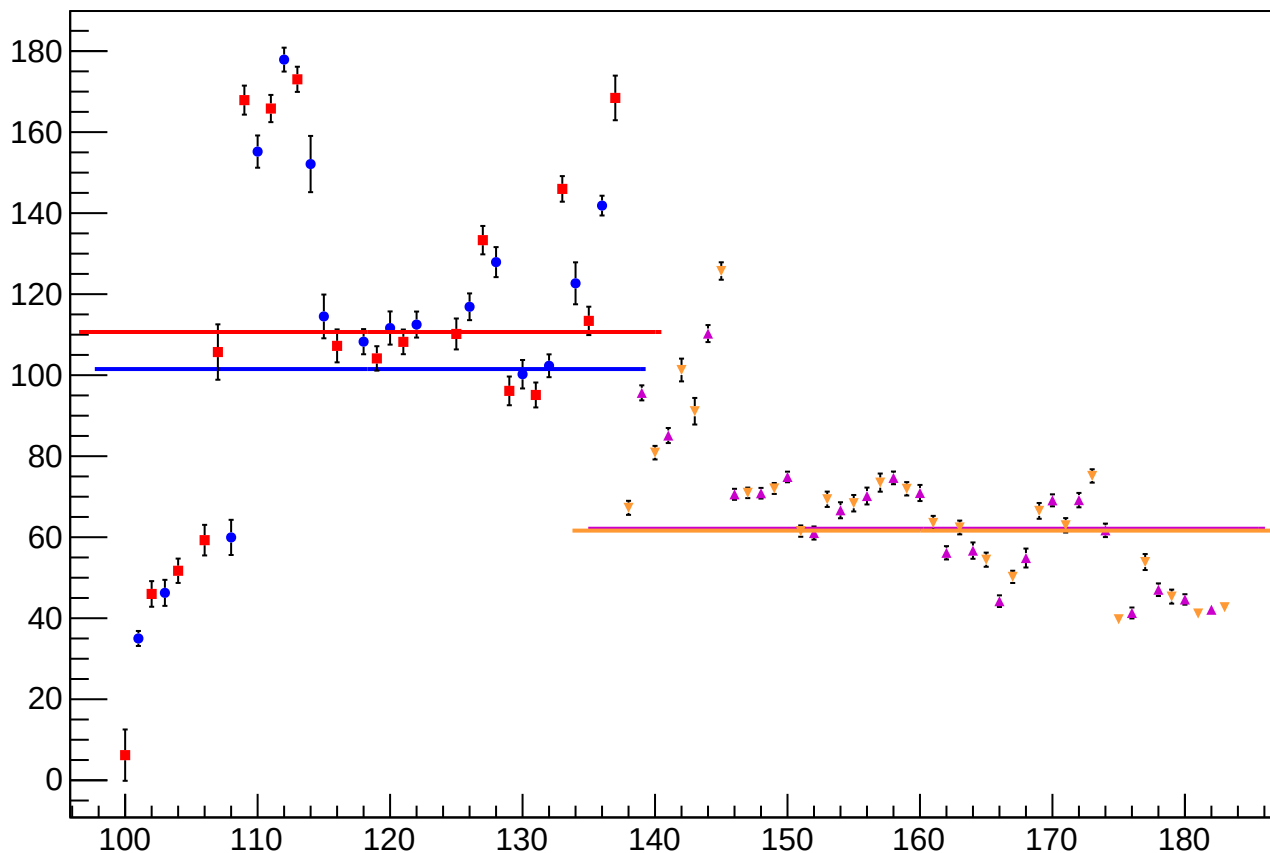
Left In: 1.187 ± 0.258 χ^2/NDF : 461.7/21

+ sign 2.283 ± 0.218 χ^2/NDF : 1051.5/39

All: 2.575 ± 0.156 χ^2/NDF : 2101.8/79

- sign 2.885 ± 0.224 χ^2/NDF : 1046.6/39

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.513 ± 0.813 χ^2/NDF : 2973.2/15

Left Out: 61.629 ± 0.333 χ^2/NDF : 2668.7/23

Right Out: 110.660 ± 0.838 χ^2/NDF : 2514.2/17

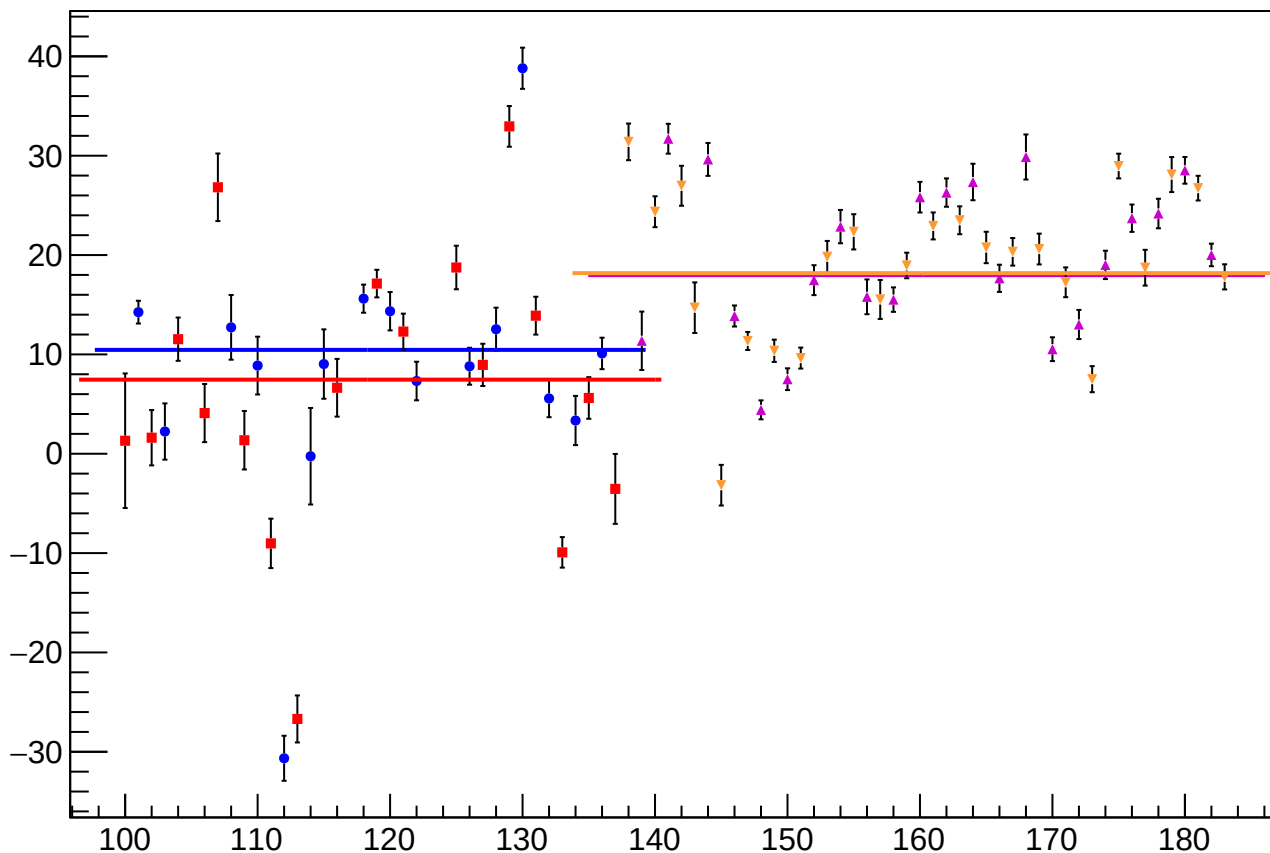
Left In: 62.095 ± 0.335 χ^2/NDF : 2385.1/21

+ sign 67.368 ± 0.309 χ^2/NDF : 7700.1/39

All: 68.075 ± 0.219 χ^2/NDF : 15508.9/79

- sign 68.793 ± 0.311 χ^2/NDF : 7798.2/39

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.455 $\pm$ 0.498 χ^2 /NDF: 577.9/15

Left Out: 18.181 $\pm$ 0.291 χ^2 /NDF: 631.2/23

Right Out: 7.460 $\pm$ 0.524 χ^2 /NDF: 686.5/17

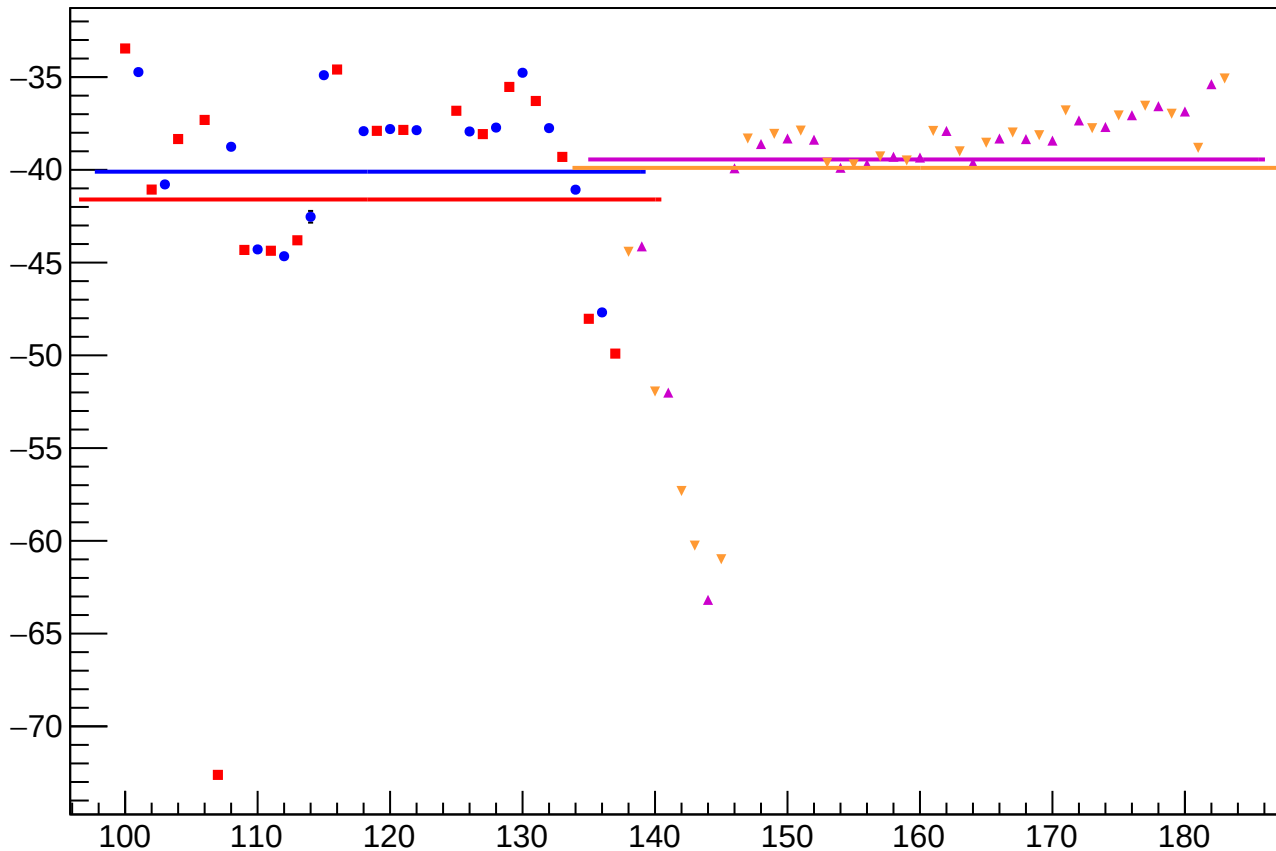
Left In: 17.977 $\pm$ 0.296 χ^2 /NDF: 724.6/21

+ sign 16.213 $\pm$ 0.251 χ^2 /NDF: 1388.3/39

All: 15.835 $\pm$ 0.180 χ^2 /NDF: 3109.5/79

- sign 15.437 $\pm$ 0.258 χ^2 /NDF: 1716.5/39

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.100 ± 0.028 χ^2/NDF : 25059.4/15

Left Out: -39.894 ± 0.014 χ^2/NDF : 162880.4/23

Right Out: -41.598 ± 0.029 χ^2/NDF : 61674.8/17

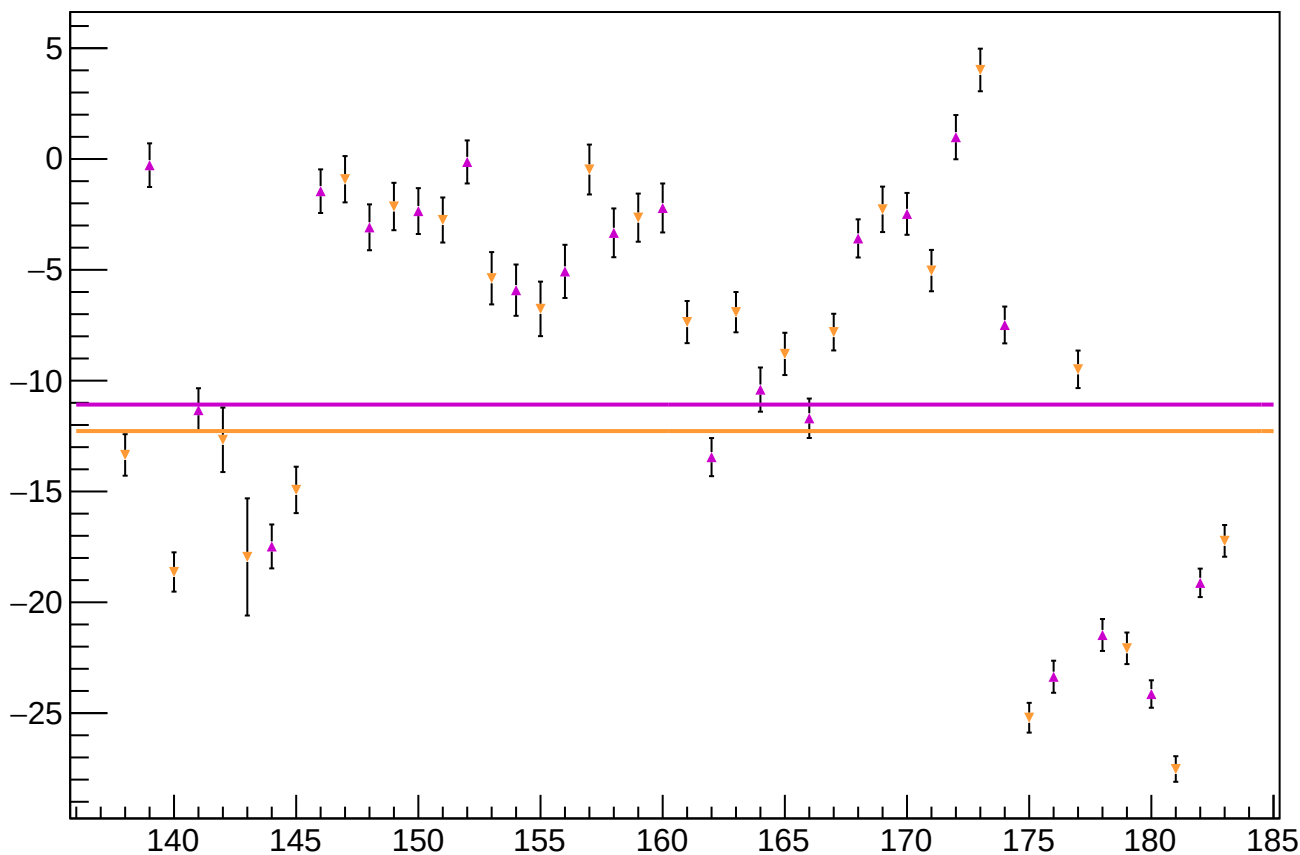
Left In: -39.440 ± 0.014 χ^2/NDF : 114752.6/21

+ sign -39.933 ± 0.012 χ^2/NDF : 187982.3/39

All: -39.890 ± 0.009 χ^2/NDF : 369049.3/79

- sign -39.846 ± 0.012 χ^2/NDF : 181042.1/39

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -12.275 $\pm$ 0.188 χ^2 /NDF:2466.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

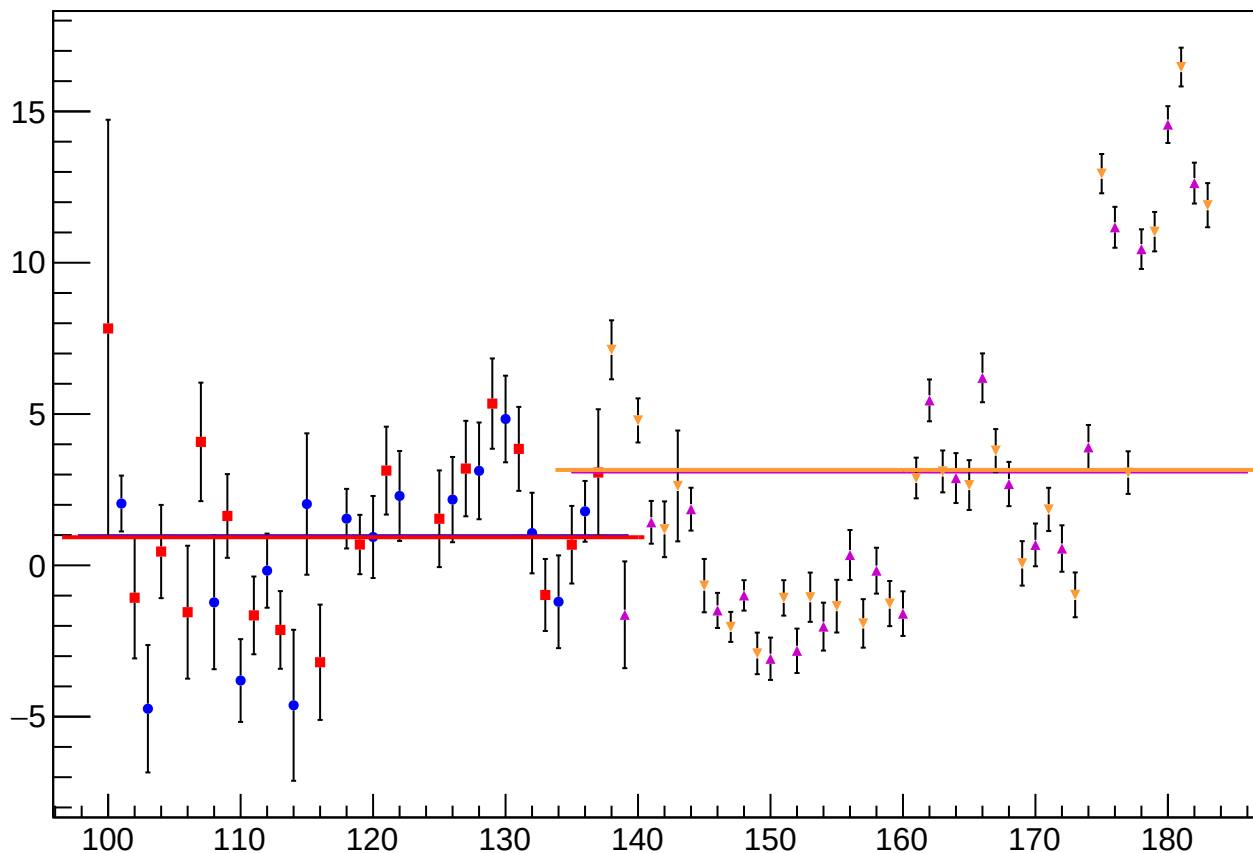
Left In: -11.079 $\pm$ 0.191 χ^2 /NDF:2104.6/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -11.685 $\pm$ 0.134 χ^2 /NDF: 4591.4/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.963 ± 0.342 χ^2/NDF : 41.6/15

Left Out: 3.153 ± 0.148 χ^2/NDF : 1416.0/23

Right Out: 0.929 ± 0.354 χ^2/NDF : 42.1/17

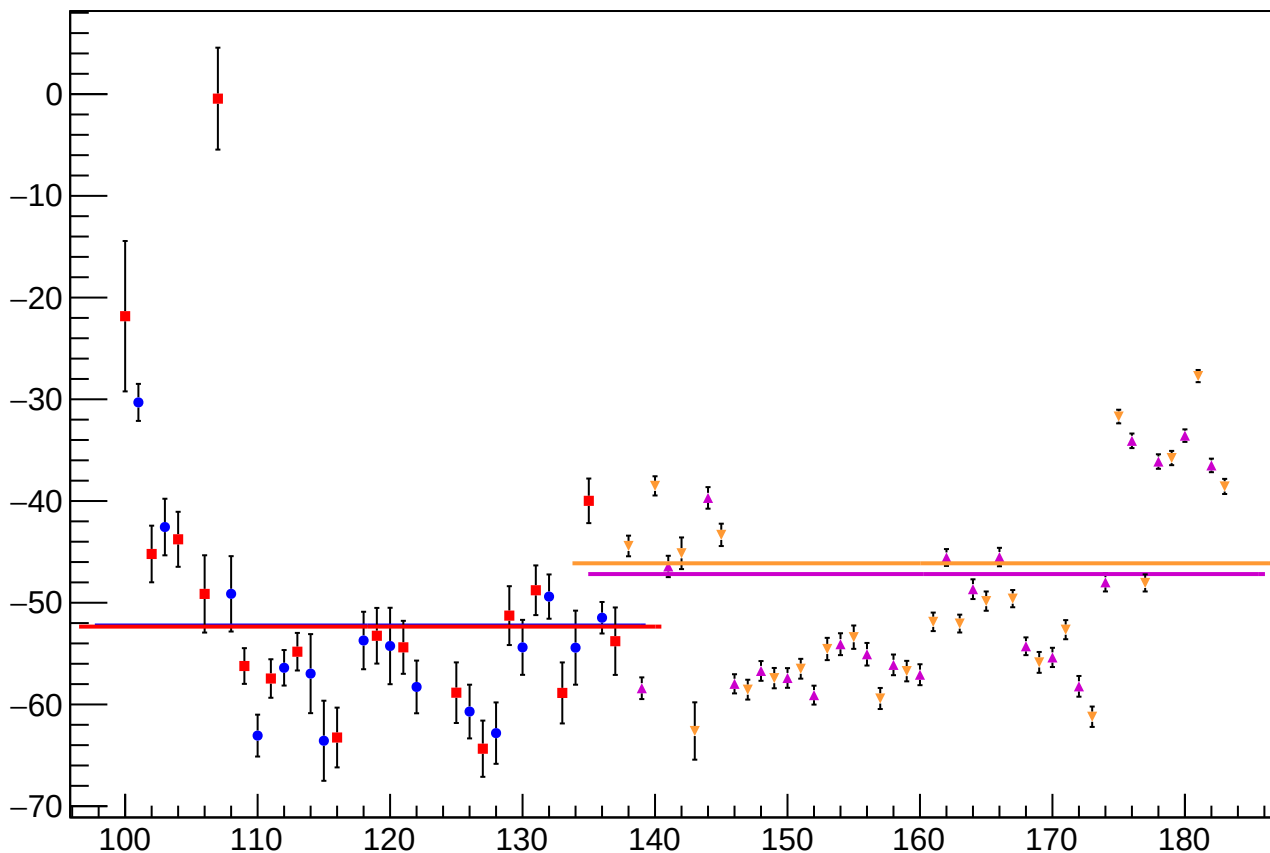
Left In: 3.101 ± 0.151 χ^2/NDF : 1273.5/21

+ sign 2.806 ± 0.136 χ^2/NDF : 1492.1/39

All: 2.786 ± 0.097 χ^2/NDF : 2839.6/79

- sign 2.765 ± 0.139 χ^2/NDF : 1347.5/39

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.238 ± 0.616 χ^2/NDF : 232.7/15

Left Out: -46.123 ± 0.188 χ^2/NDF : 3099.6/23

Right Out: -52.347 ± 0.617 χ^2/NDF : 232.8/17

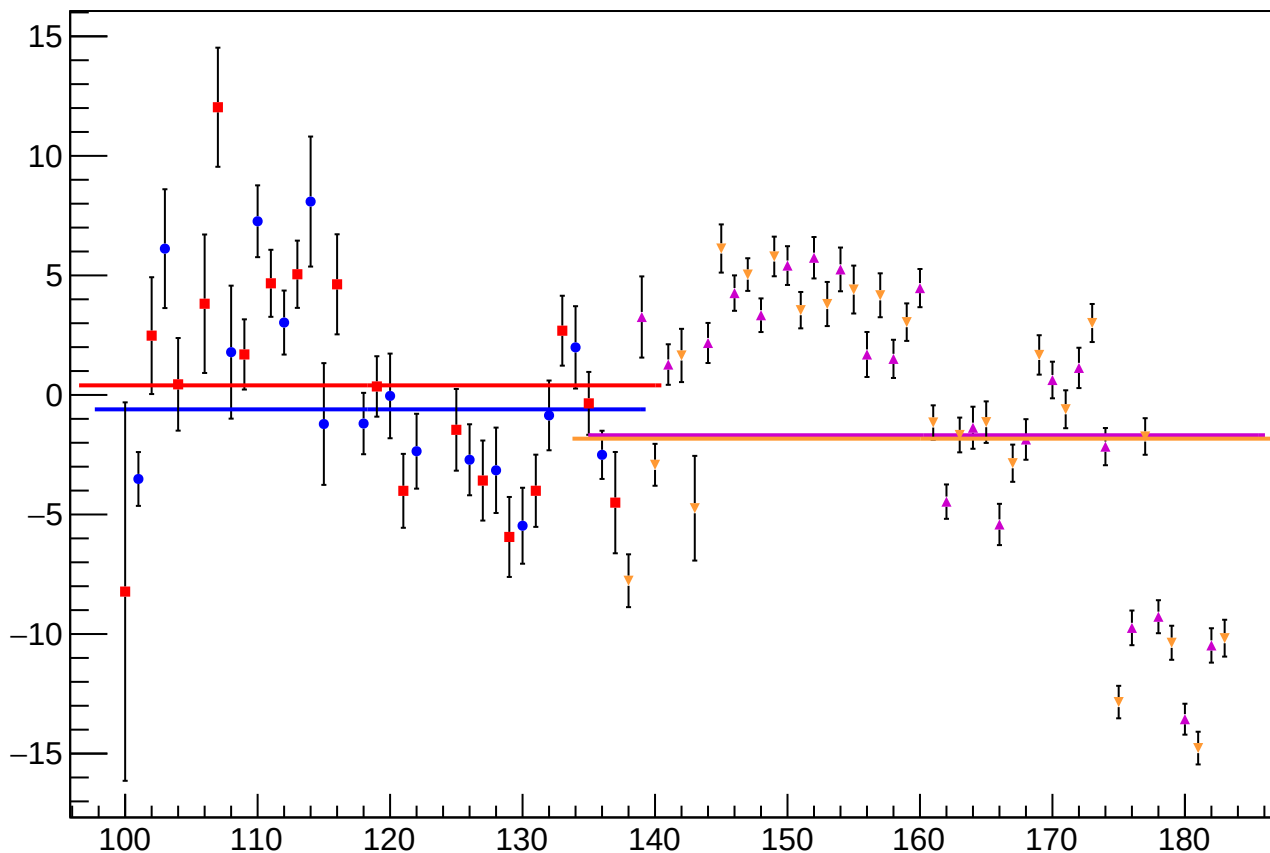
Left In: -47.181 ± 0.190 χ^2/NDF : 2512.7/21

+ sign -46.643 ± 0.179 χ^2/NDF : 3422.7/39

All: -47.130 ± 0.127 χ^2/NDF : 6247.1/79

- sign -47.627 ± 0.181 χ^2/NDF : 2809.5/39

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.603 ± 0.388 χ^2/NDF : 80.7/15

Left Out: -1.829 ± 0.168 χ^2/NDF : 1439.8/23

Right Out: 0.401 ± 0.400 χ^2/NDF : 96.2/17

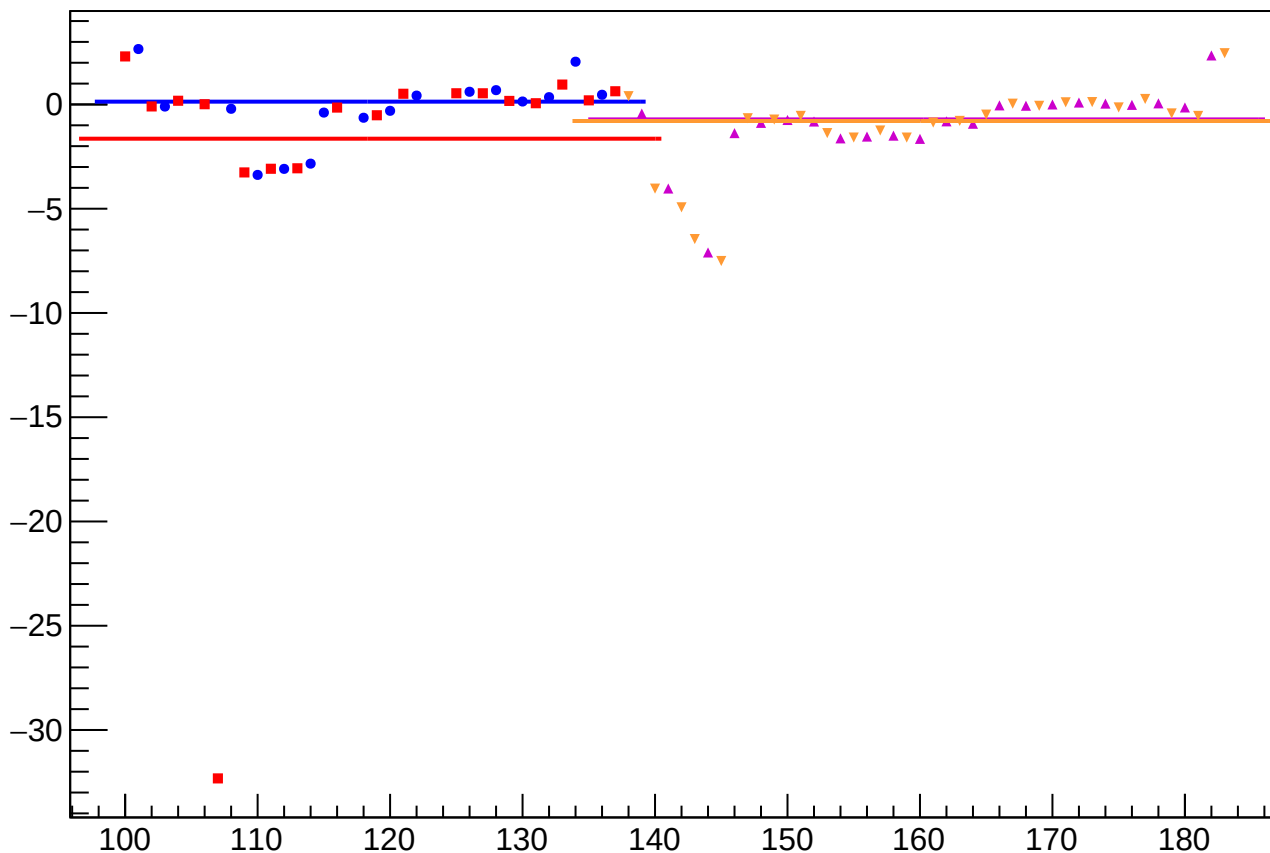
Left In: -1.686 ± 0.171 χ^2/NDF : 1238.4/21

+ sign -1.635 ± 0.154 χ^2/NDF : 1528.9/39

All: -1.503 ± 0.110 χ^2/NDF : 2887.9/79

- sign -1.365 ± 0.157 χ^2/NDF : 1357.5/39

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.135 ± 0.022 $\chi^2/\text{NDF}: 5228.3/15$

Left Out: -0.793 ± 0.008 $\chi^2/\text{NDF}: 52742.2/23$

Right Out: -1.642 ± 0.022 $\chi^2/\text{NDF}: 77830.5/17$

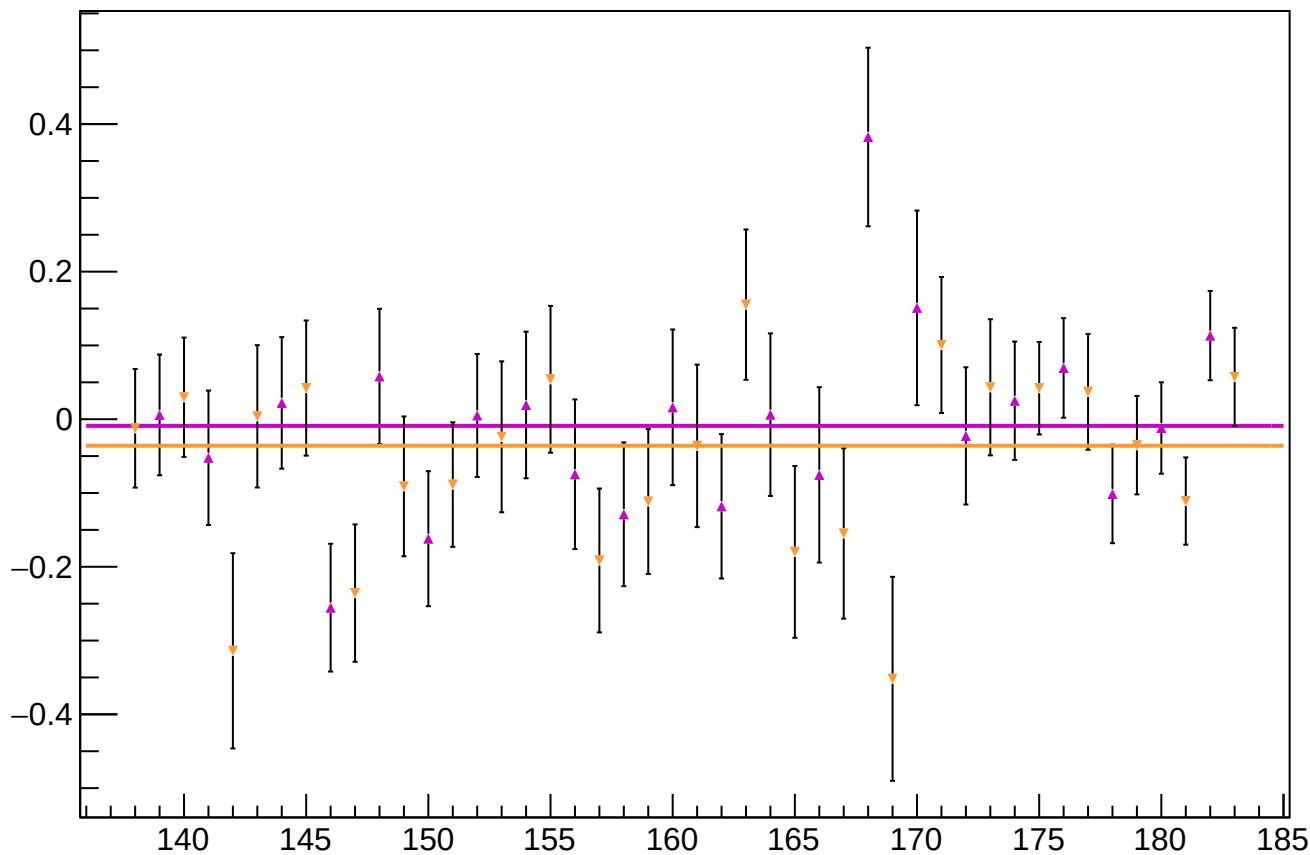
Left In: -0.717 ± 0.008 $\chi^2/\text{NDF}: 40036.6/21$

+ sign -0.689 ± 0.007 $\chi^2/\text{NDF}: 59610.7/39$

All: -0.754 ± 0.005 $\chi^2/\text{NDF}: 179233.4/79$

- sign -0.820 ± 0.007 $\chi^2/\text{NDF}: 119459.4/39$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.036 $\pm$ 0.018 χ^2 /NDF: 35.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

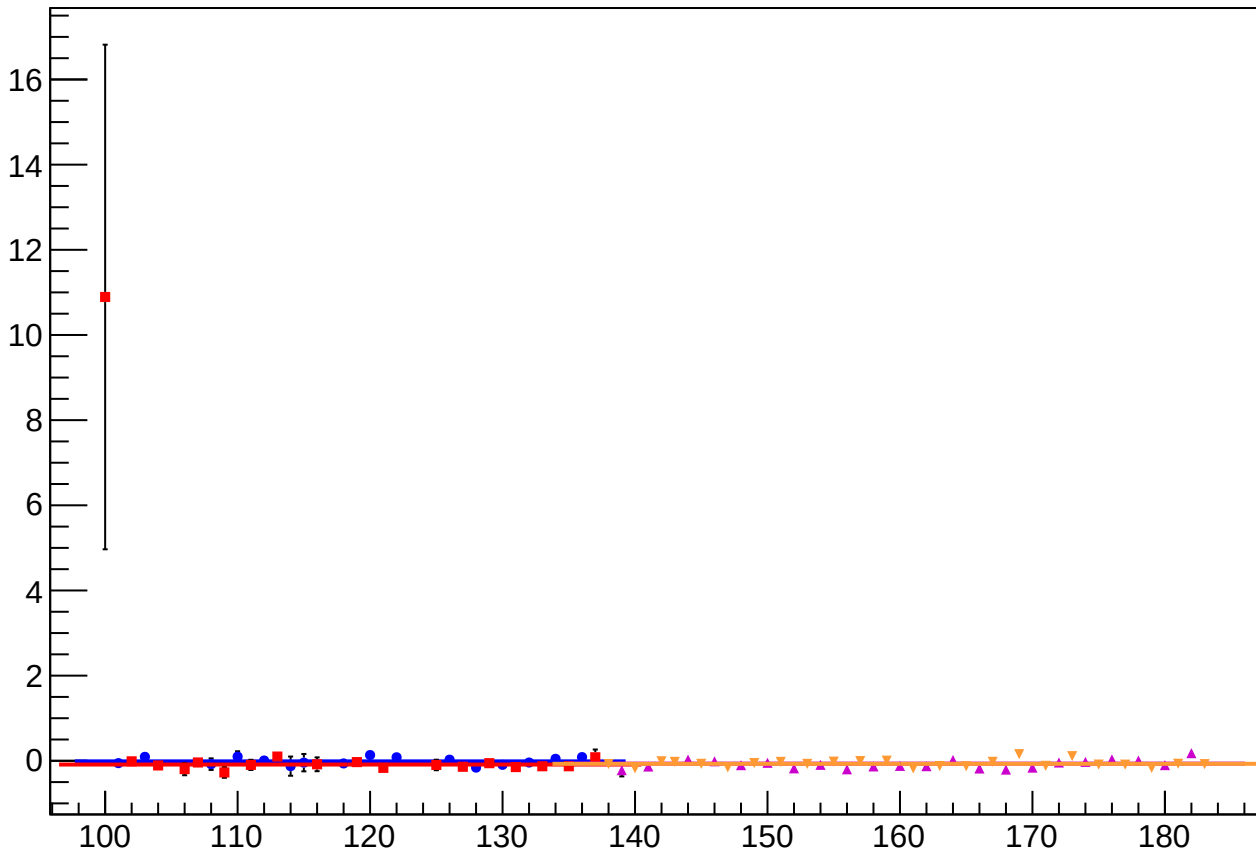
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF: 35.0/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -0.023 $\pm$ 0.013 χ^2 /NDF: 71.7/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 12.0/15

Left Out: -0.071 ± 0.014 χ^2/NDF : 28.3/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 12.9/17

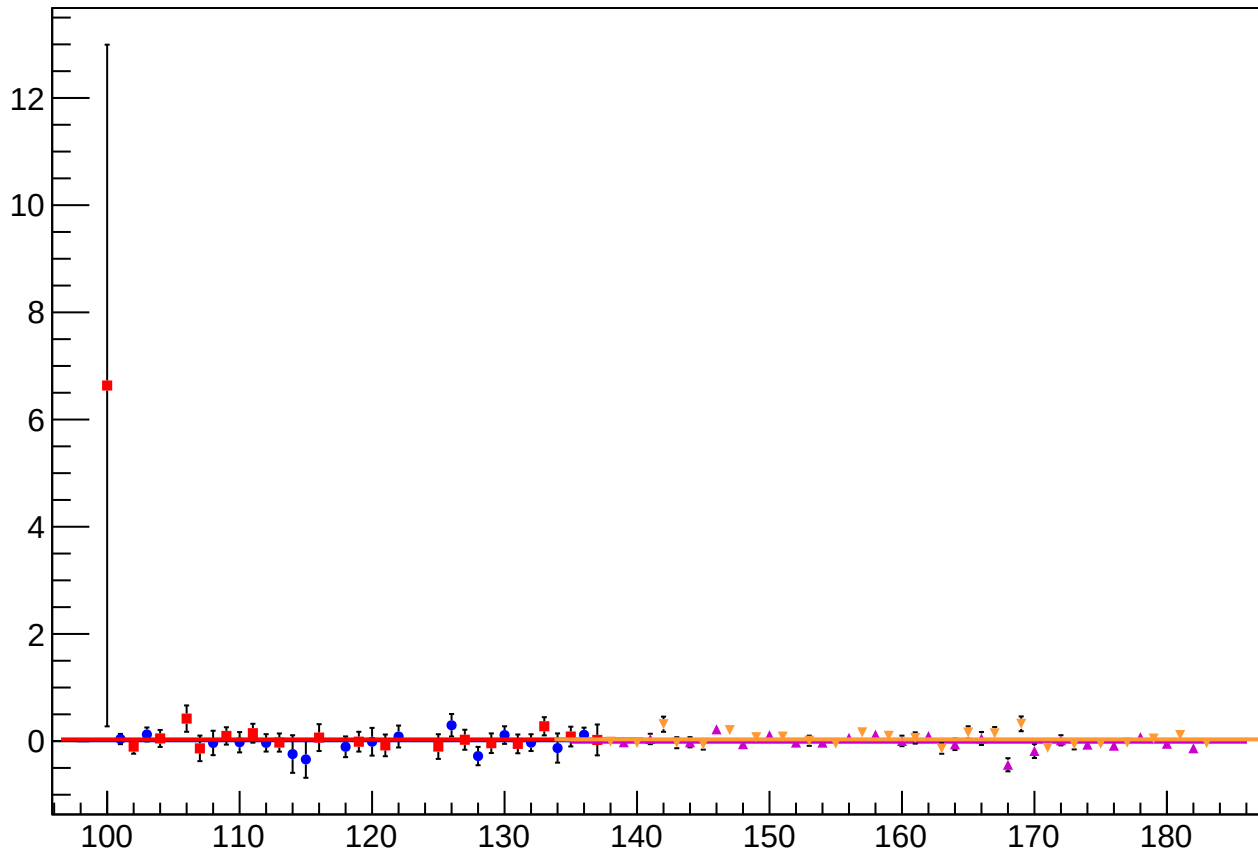
Left In: -0.066 ± 0.015 χ^2/NDF : 39.6/21

+ sign -0.056 ± 0.012 χ^2/NDF : 44.8/39

All: -0.064 ± 0.009 χ^2/NDF : 98.6/79

- sign -0.072 ± 0.013 χ^2/NDF : 53.1/39

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.033 $\pm$ 0.018 χ^2 /NDF:32.6/23

Right Out: 0.032 $\pm$ 0.045 χ^2 /NDF: 9.1/17

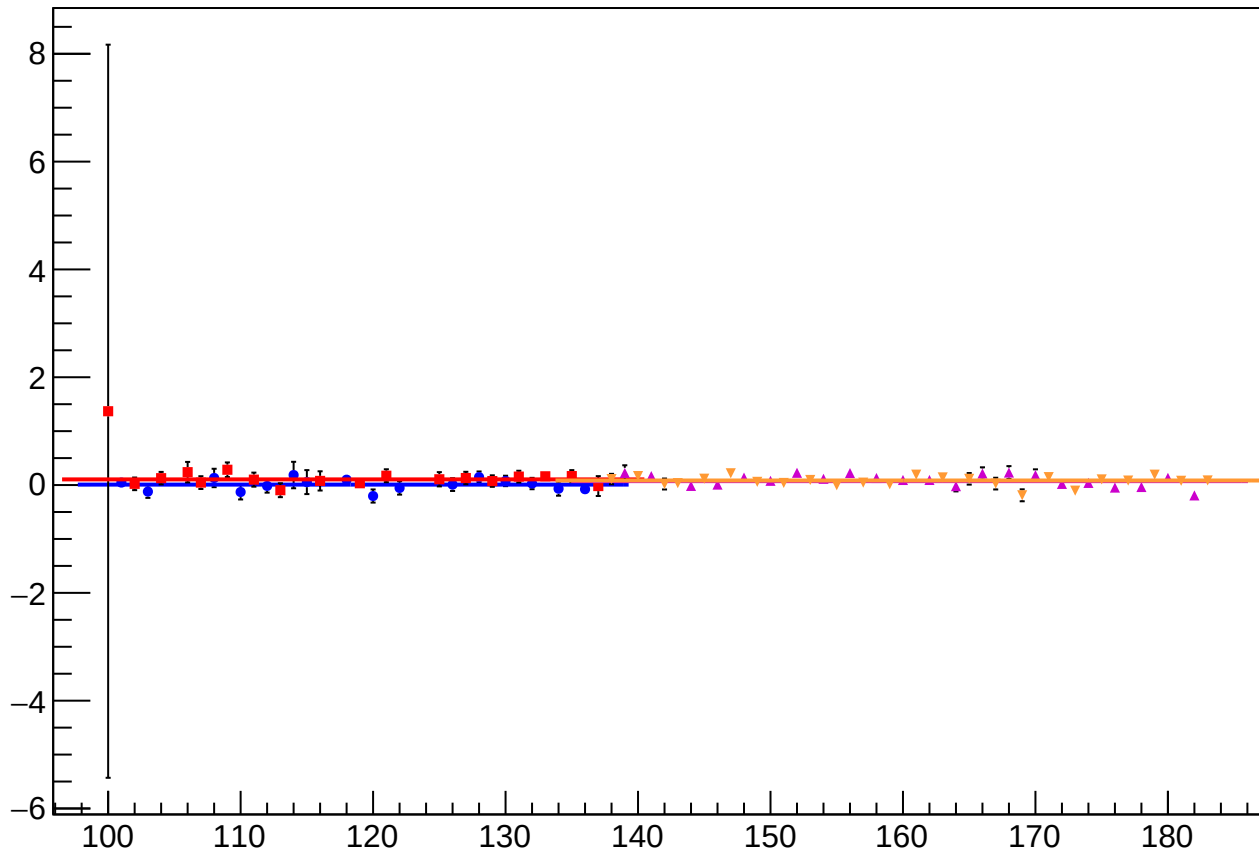
Left In: -0.011 $\pm$ 0.018 χ^2 /NDF:36.4/21

+ sign 0.031 $\pm$ 0.016 χ^2 /NDF: 41.8/39

All: 0.013 $\pm$ 0.012 χ^2 /NDF: 90.3/79

- sign -0.005 $\pm$ 0.017 χ^2 /NDF: 46.2/39

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 11.7/15

Left Out: 0.084 $\pm$ 0.016 χ^2 /NDF: 28.1/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 8.1/17

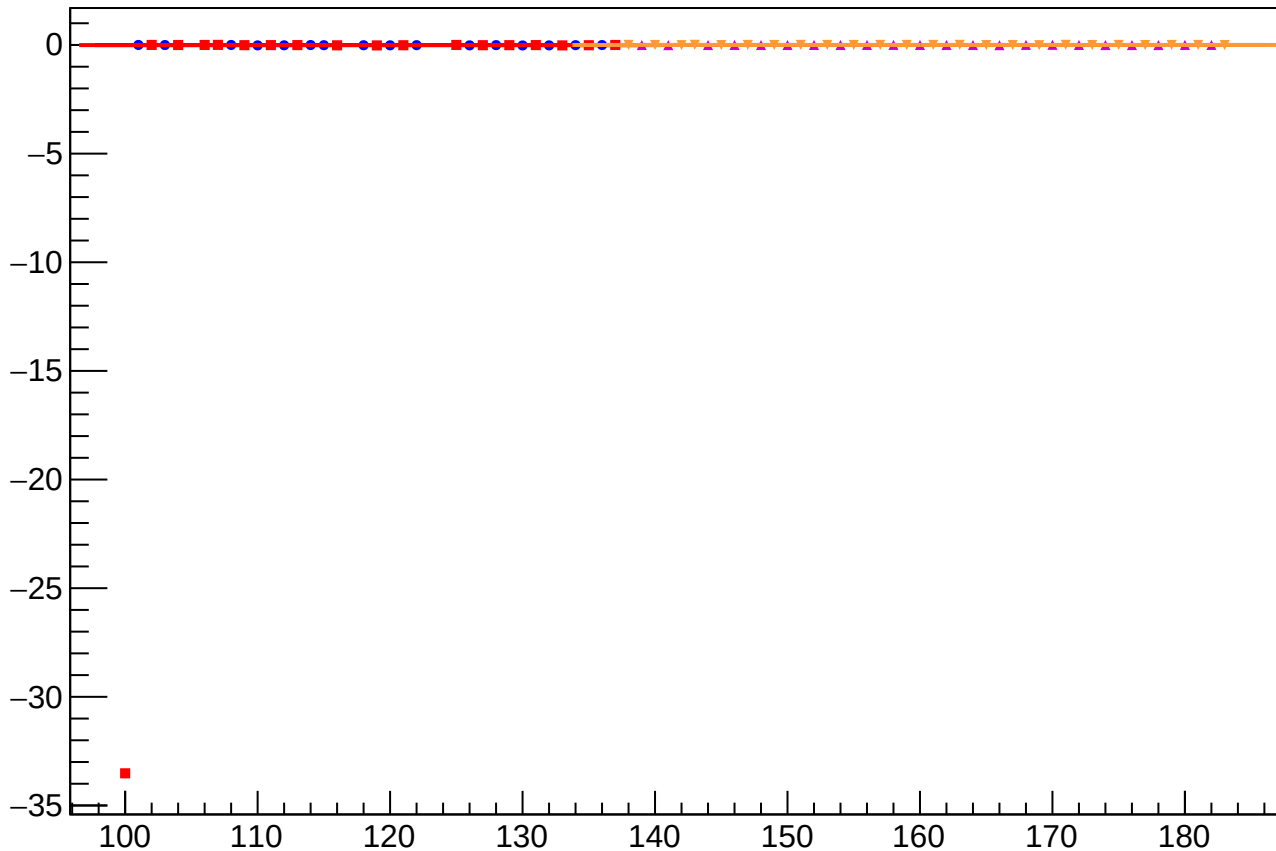
Left In: 0.073 $\pm$ 0.016 χ^2 /NDF: 43.2/21

+ sign 0.065 $\pm$ 0.014 χ^2 /NDF: 45.7/39

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 98.5/79

- sign 0.081 $\pm$ 0.014 χ^2 /NDF: 52.3/39

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 21.5/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 25.5/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.9/17

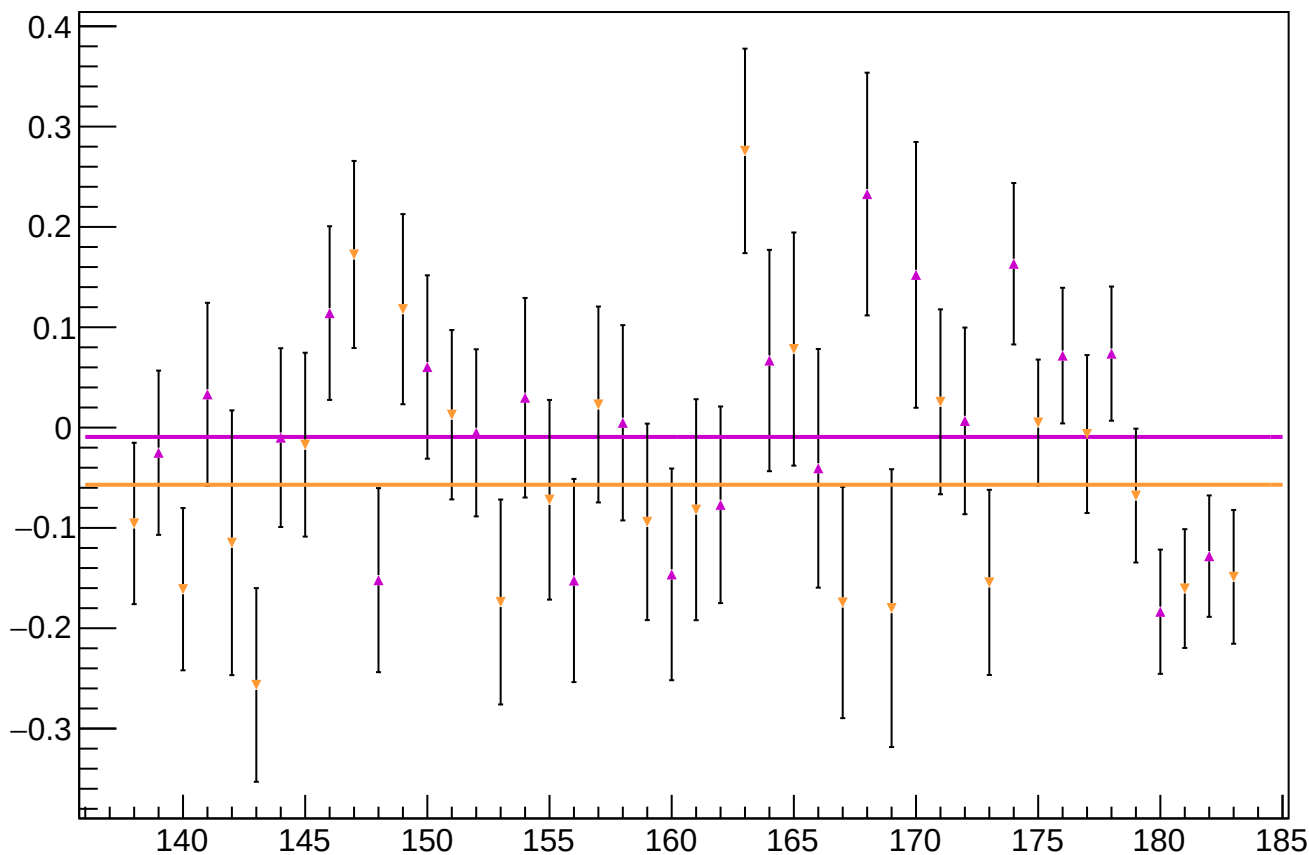
Left In: 0.000 ± 0.001 χ^2/NDF : 21.8/21

+ sign -0.001 ± 0.001 χ^2/NDF : 61.1/39

All: -0.001 ± 0.000 χ^2/NDF : 26606.4/79

- sign -0.001 ± 0.001 χ^2/NDF : 26545.0/39

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.057 $\pm$ 0.018 χ^2 /NDF:41.0/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

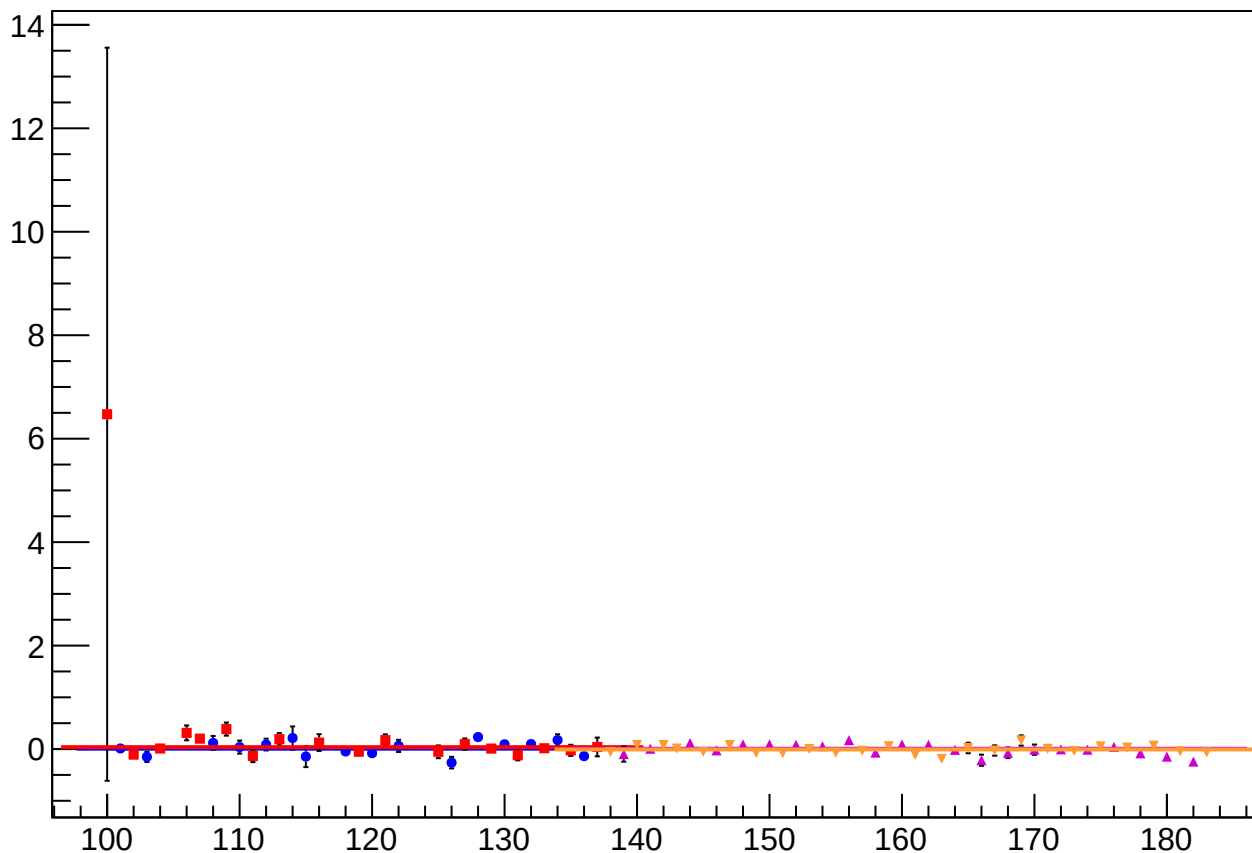
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.1/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -0.034 $\pm$ 0.013 χ^2 /NDF: 79.5/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 ± 0.023 χ^2/NDF : 25.1/15

Left Out: -0.007 ± 0.014 χ^2/NDF : 27.0/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 28.7/17

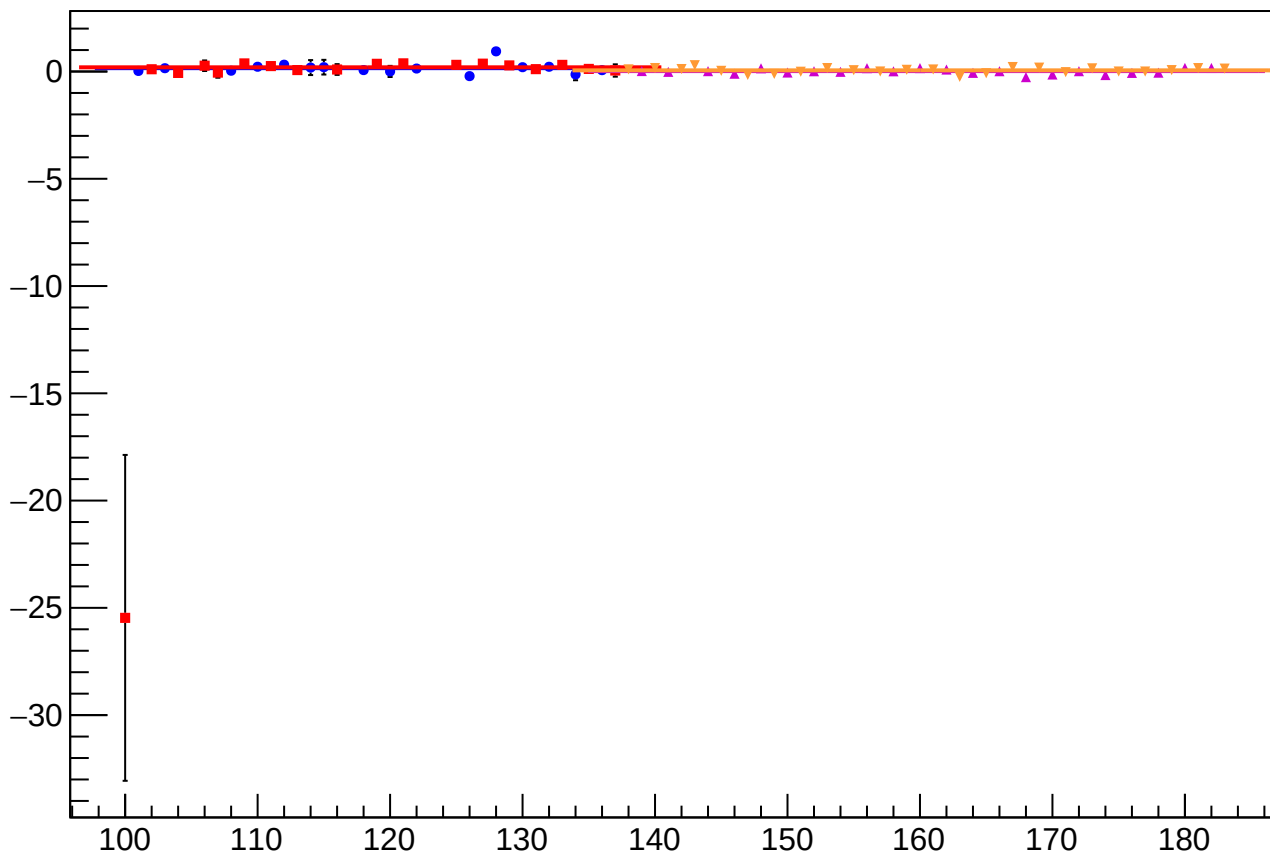
Left In: 0.006 ± 0.015 χ^2/NDF : 49.4/21

+ sign -0.003 ± 0.012 χ^2/NDF : 52.5/39

All: 0.005 ± 0.009 χ^2/NDF : 132.7/79

- sign 0.014 ± 0.013 χ^2/NDF : 79.2/39

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 29.7/15

Left Out: 0.054 $\pm$ 0.018 χ^2 /NDF: 40.4/23

Right Out: 0.195 $\pm$ 0.045 χ^2 /NDF: 22.0/17

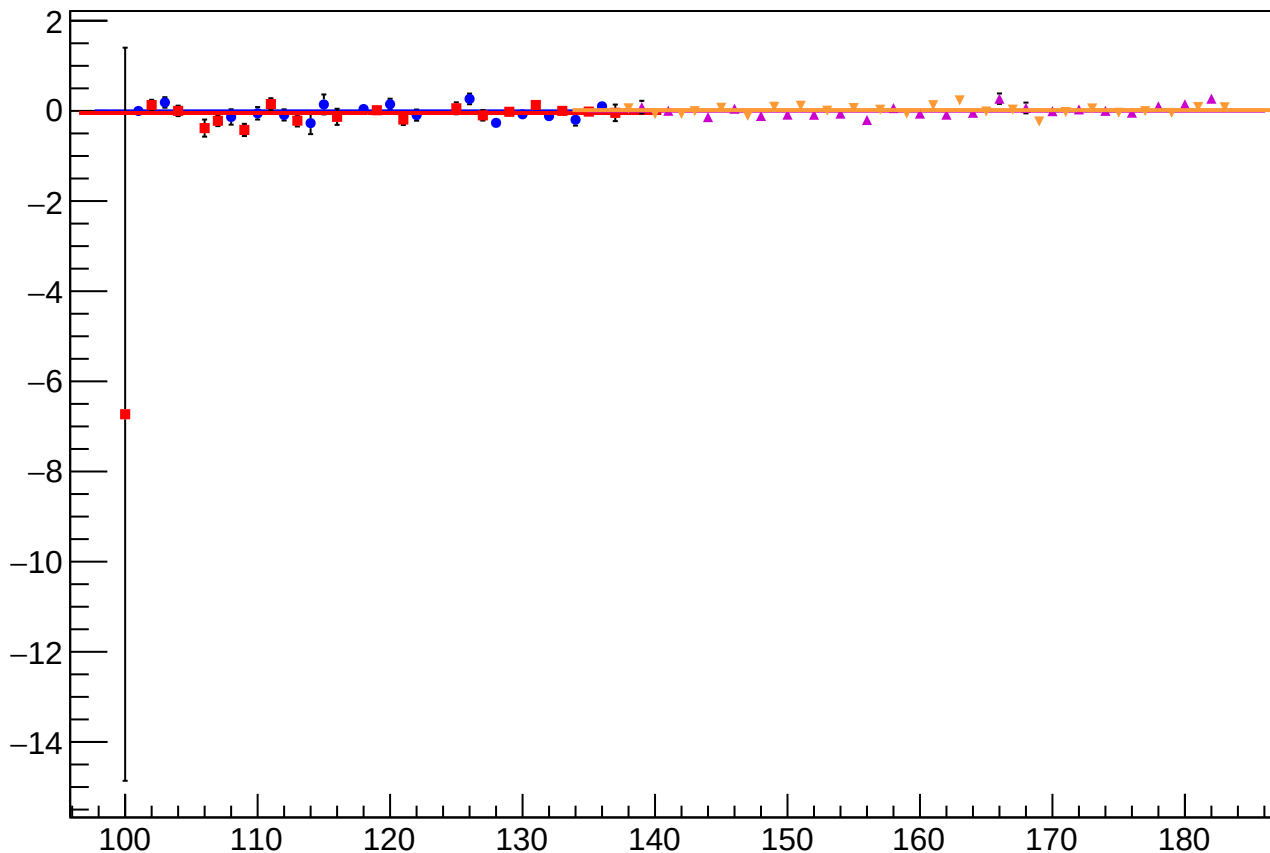
Left In: 0.019 $\pm$ 0.018 χ^2 /NDF: 35.8/21

+ sign 0.069 $\pm$ 0.016 χ^2 /NDF: 75.0/39

All: 0.057 $\pm$ 0.012 χ^2 /NDF: 146.9/79

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 70.8/39

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 24.6/15

Left Out: 0.017 ± 0.016 χ^2/NDF : 29.9/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 26.3/17

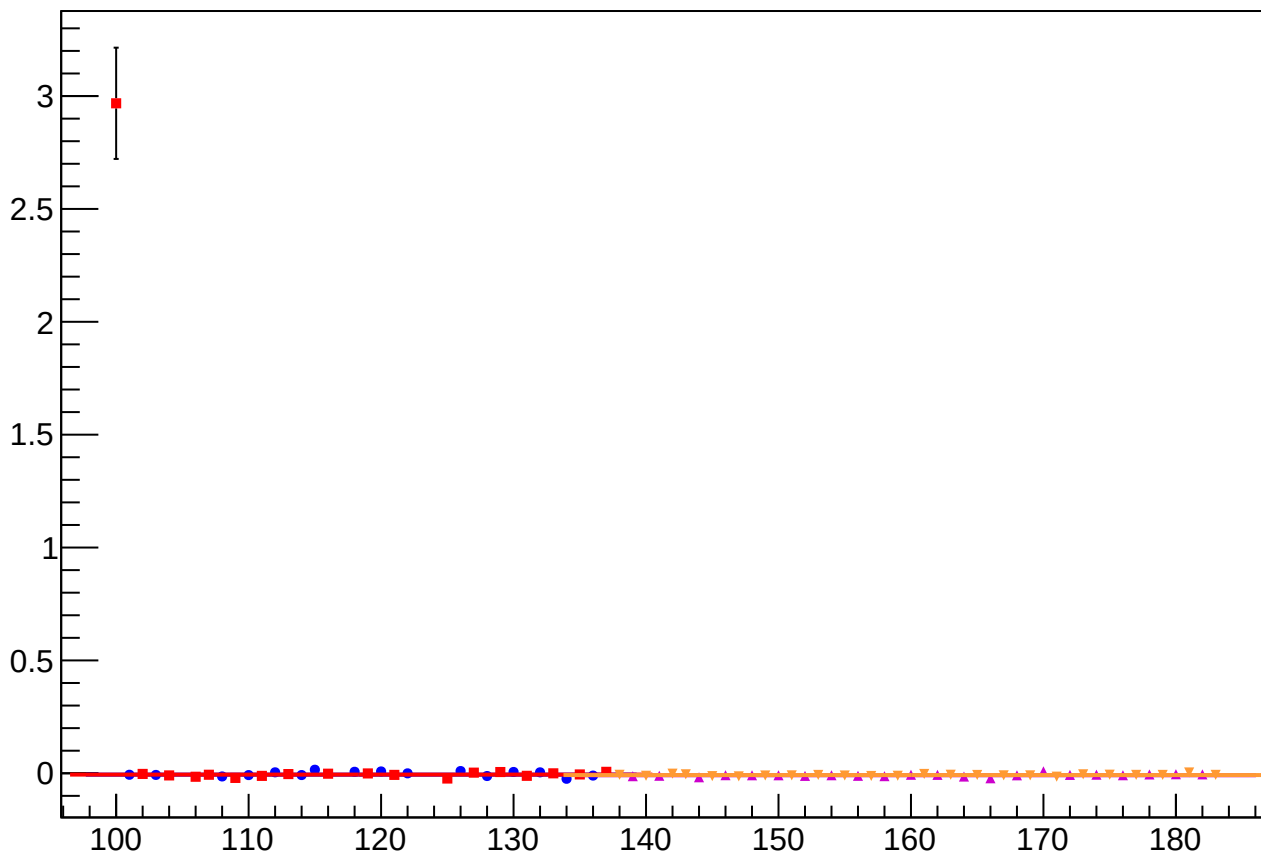
Left In: 0.004 ± 0.016 χ^2/NDF : 49.7/21

+ sign 0.010 ± 0.014 χ^2/NDF : 55.2/39

All: 0.001 ± 0.010 χ^2/NDF : 134.4/79

- sign -0.008 ± 0.014 χ^2/NDF : 78.3/39

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.4/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.5/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.3/17

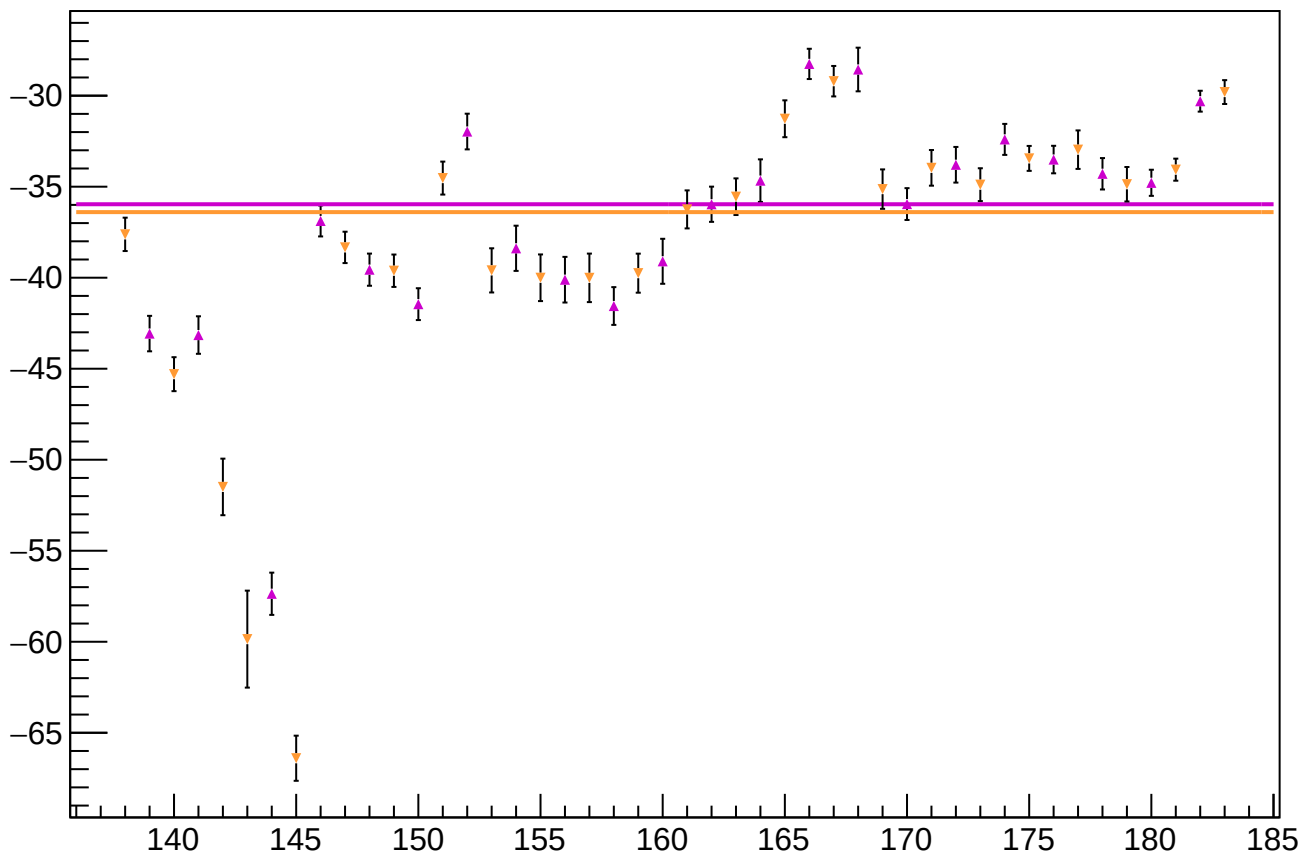
Left In: -0.009 ± 0.001 χ^2/NDF : 37.0/21

+ sign -0.008 ± 0.001 χ^2/NDF : 59.2/39

All: -0.008 ± 0.000 χ^2/NDF : 265.0/79

- sign -0.008 ± 0.001 χ^2/NDF : 205.3/39

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -36.397+/-0.193 χ^2/NDF :1163.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

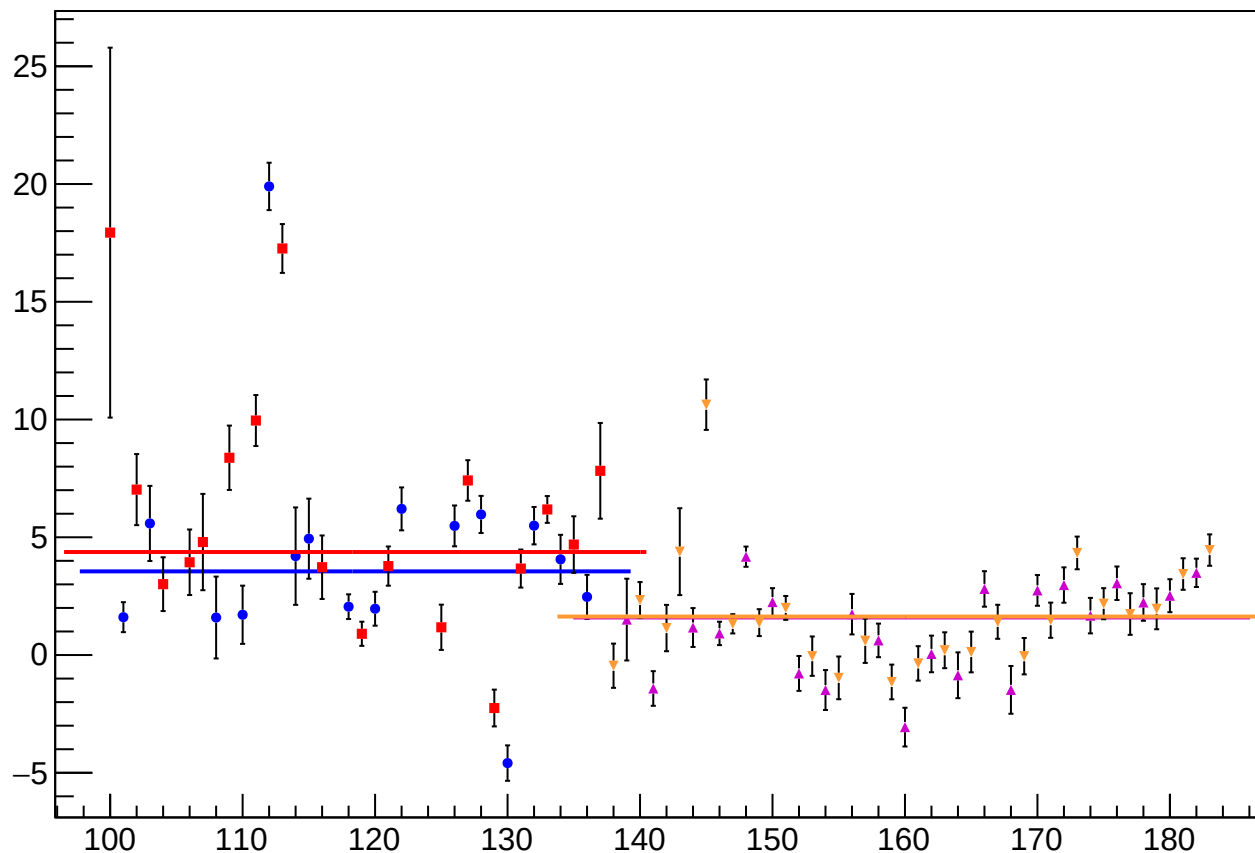
Left In: -35.964+/-0.195 χ^2/NDF :828.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -36.182+/-0.137 χ^2/NDF : 1994.0/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.552 $\pm$ 0.221 χ^2/NDF : 439.9/15

Left Out: 1.634 $\pm$ 0.148 χ^2/NDF : 167.8/23

Right Out: 4.374 $\pm$ 0.225 χ^2/NDF : 353.1/17

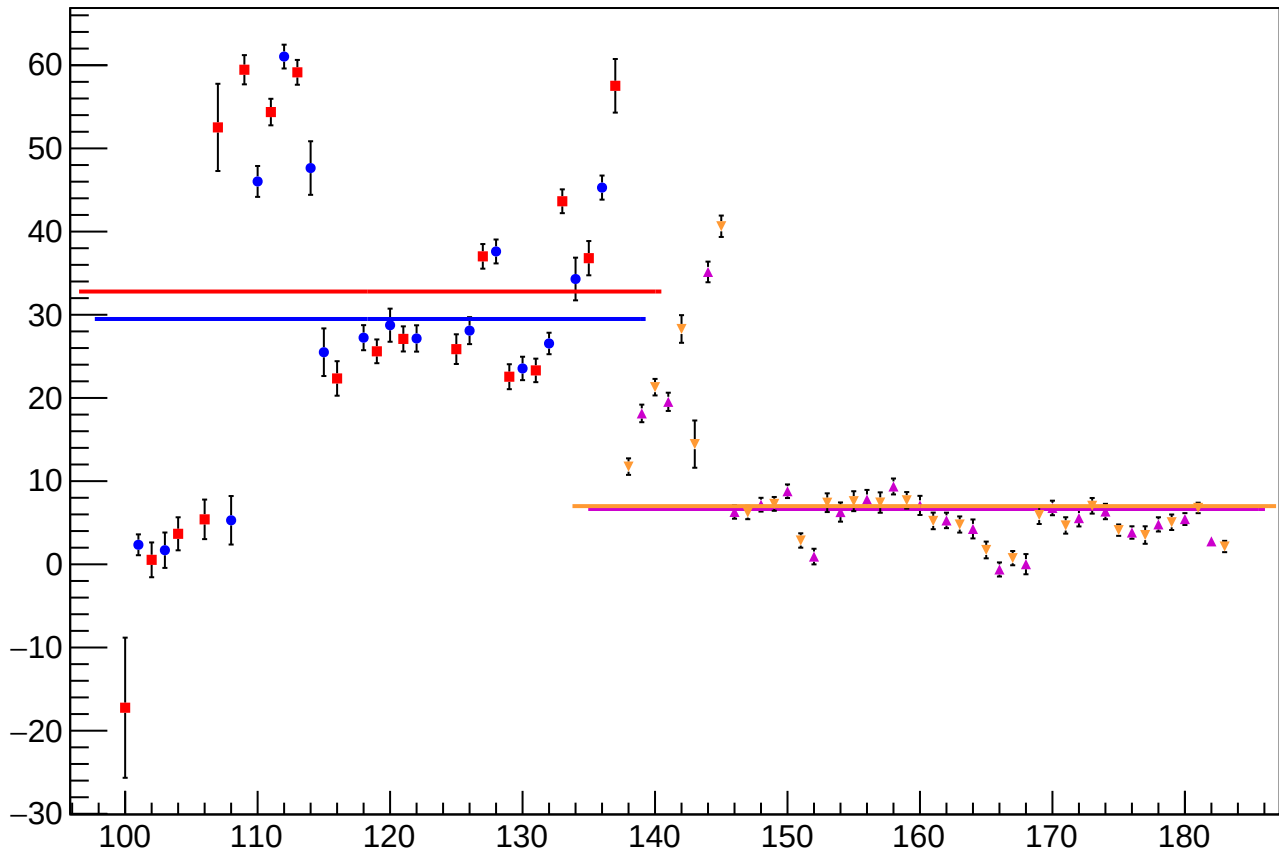
Left In: 1.595 $\pm$ 0.151 χ^2/NDF : 158.9/21

+ sign 2.231 $\pm$ 0.123 χ^2/NDF : 659.7/39

All: 2.343 $\pm$ 0.088 χ^2/NDF : 1278.5/79

- sign 2.458 $\pm$ 0.126 χ^2/NDF : 617.1/39

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.493 ± 0.420 χ^2/NDF : 1489.7/15

Left Out: 6.997 ± 0.193 χ^2/NDF : 1289.4/23

Right Out: 32.793 ± 0.424 χ^2/NDF : 1660.2/17

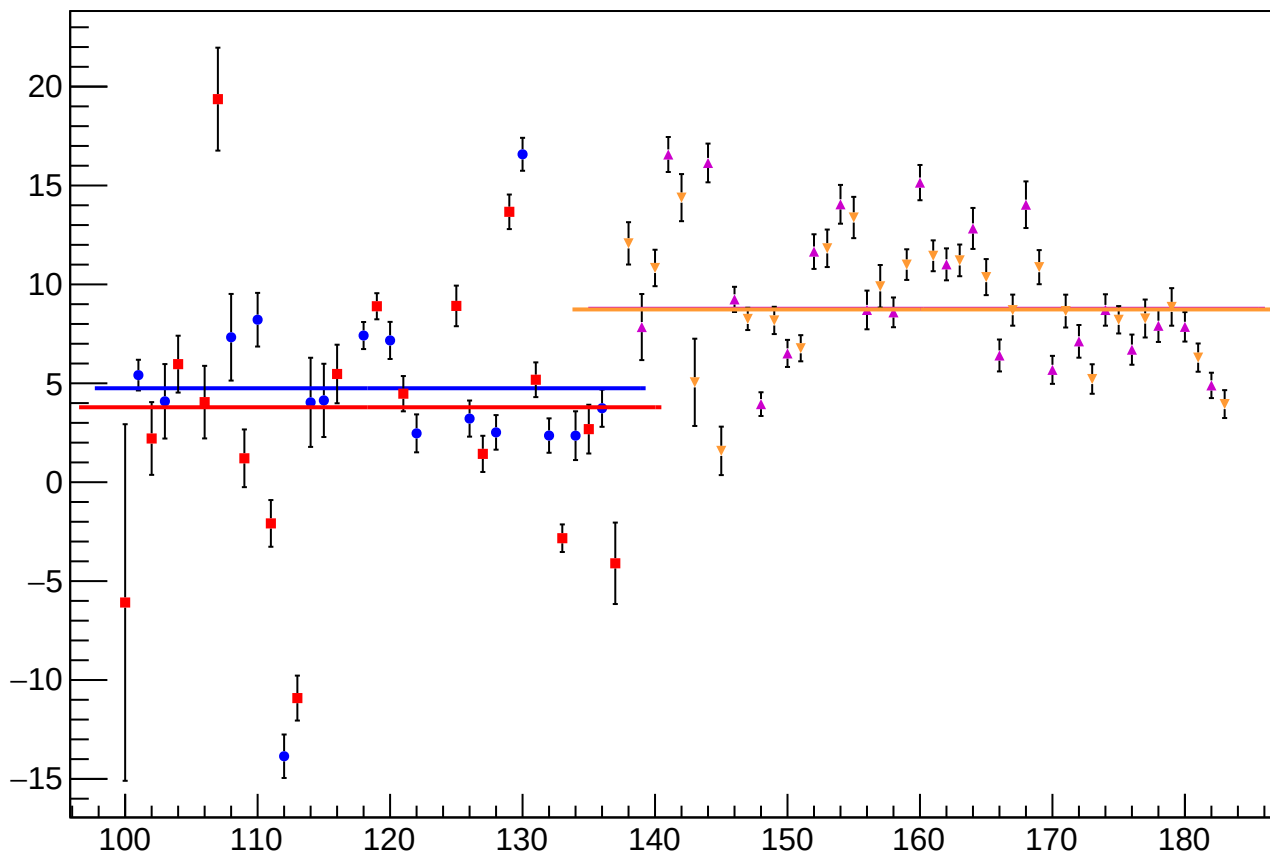
Left In: 6.652 ± 0.193 χ^2/NDF : 1013.8/21

+ sign 10.906 ± 0.175 χ^2/NDF : 5145.6/39

All: 11.034 ± 0.124 χ^2/NDF : 10971.6/79

- sign 11.162 ± 0.176 χ^2/NDF : 5824.9/39

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.750 ± 0.255 χ^2/NDF : 546.5/15

Left Out: 8.734 ± 0.170 χ^2/NDF : 236.5/23

Right Out: 3.789 ± 0.259 χ^2/NDF : 564.8/17

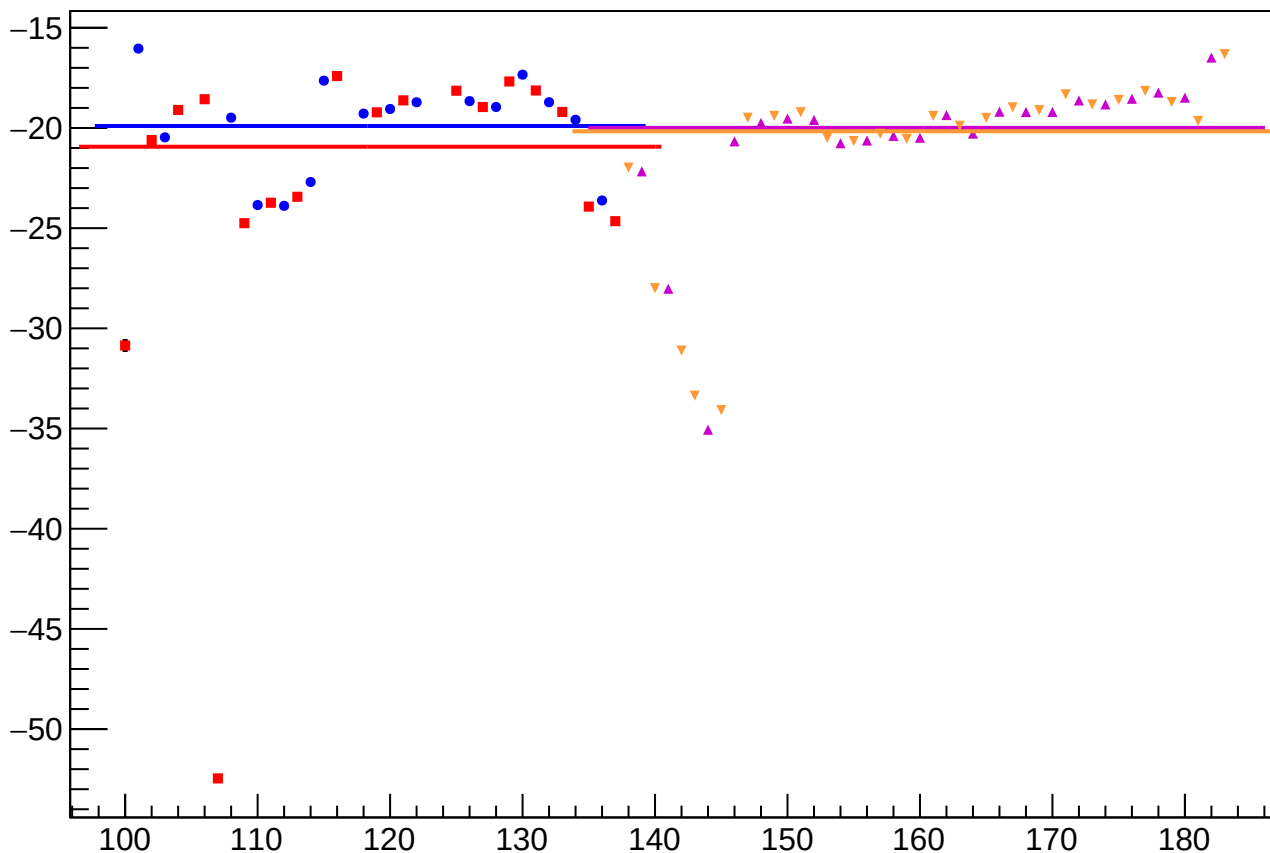
Left In: 8.768 ± 0.172 χ^2/NDF : 423.0/21

+ sign 7.505 ± 0.141 χ^2/NDF : 952.5/39

All: 7.375 ± 0.101 χ^2/NDF : 2198.1/79

- sign 7.241 ± 0.143 χ^2/NDF : 1243.9/39

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 χ^2/NDF : 26019.5/15

Left Out: -20.165 ± 0.008 χ^2/NDF : 179648.8/23

Right Out: -20.936 ± 0.016 χ^2/NDF : 93988.8/17

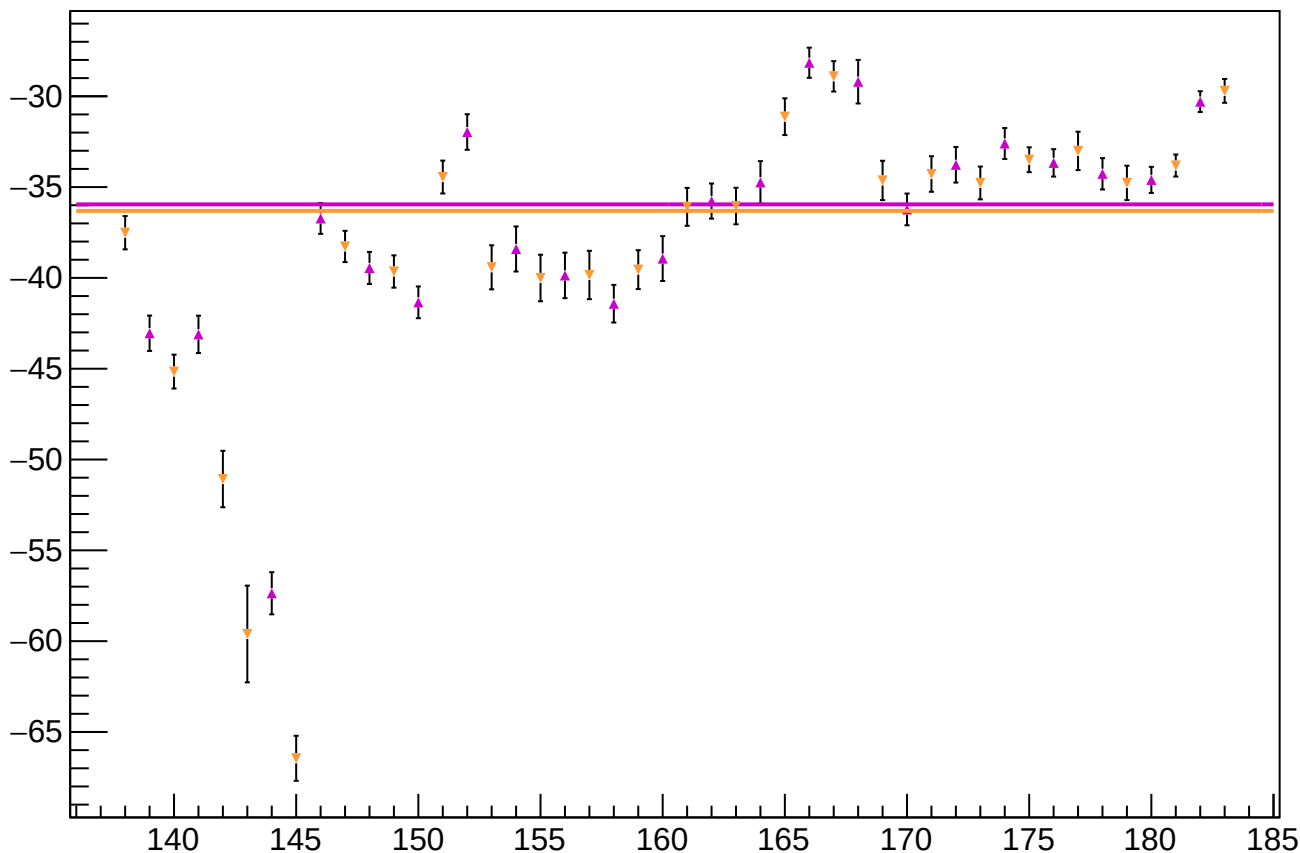
Left In: -19.993 ± 0.008 χ^2/NDF : 138995.0/21

+ sign -20.111 ± 0.007 χ^2/NDF : 205892.2/39

All: -20.148 ± 0.005 χ^2/NDF : 441789.3/79

- sign -20.185 ± 0.007 χ^2/NDF : 235842.5/39

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -36.308+/-0.193 χ^2/NDF :1167.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

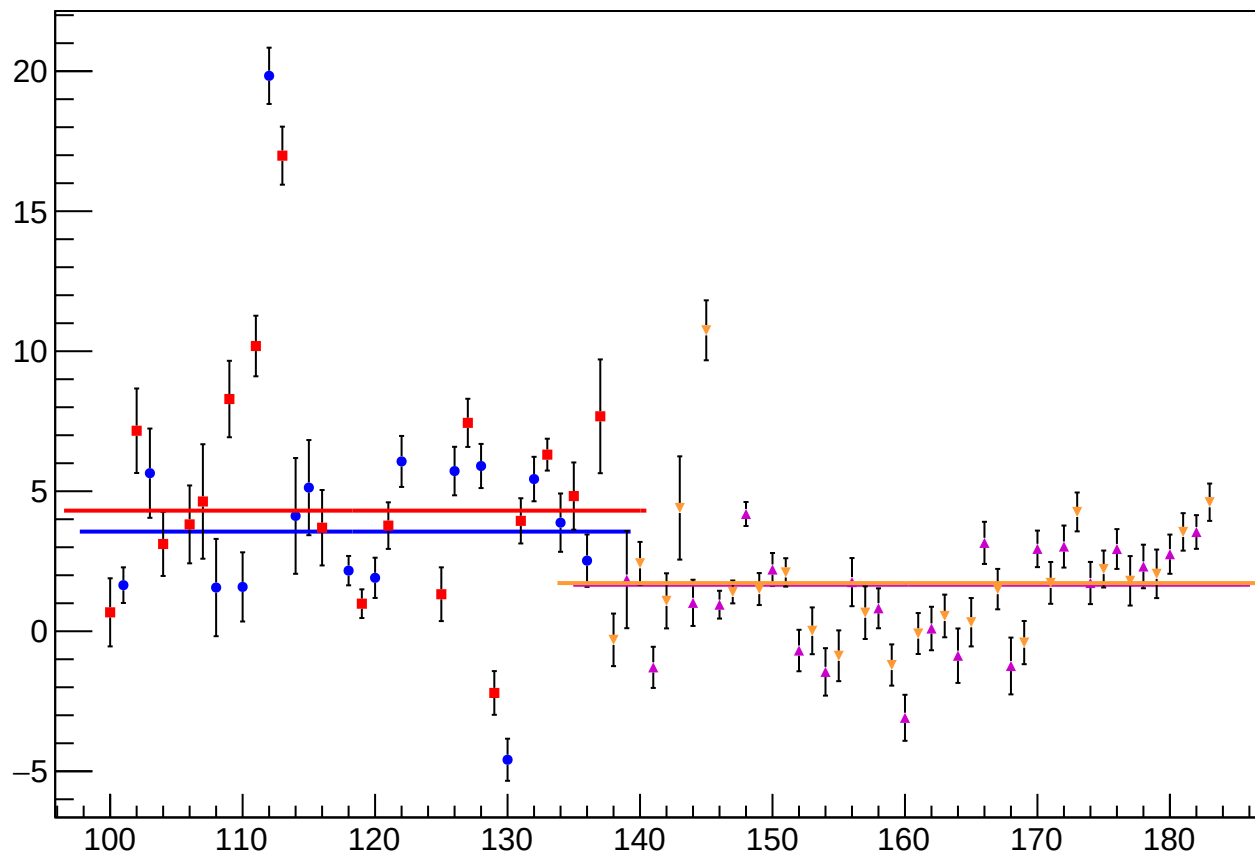
Left In: -35.952+/-0.195 χ^2/NDF :816.2/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -36.131+/-0.137 χ^2/NDF : 1985.7/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.559 $\pm$ 0.221 χ^2/NDF : 437.1/15

Left Out: 1.720 $\pm$ 0.148 χ^2/NDF : 169.0/23

Right Out: 4.307 $\pm$ 0.221 χ^2/NDF : 352.1/17

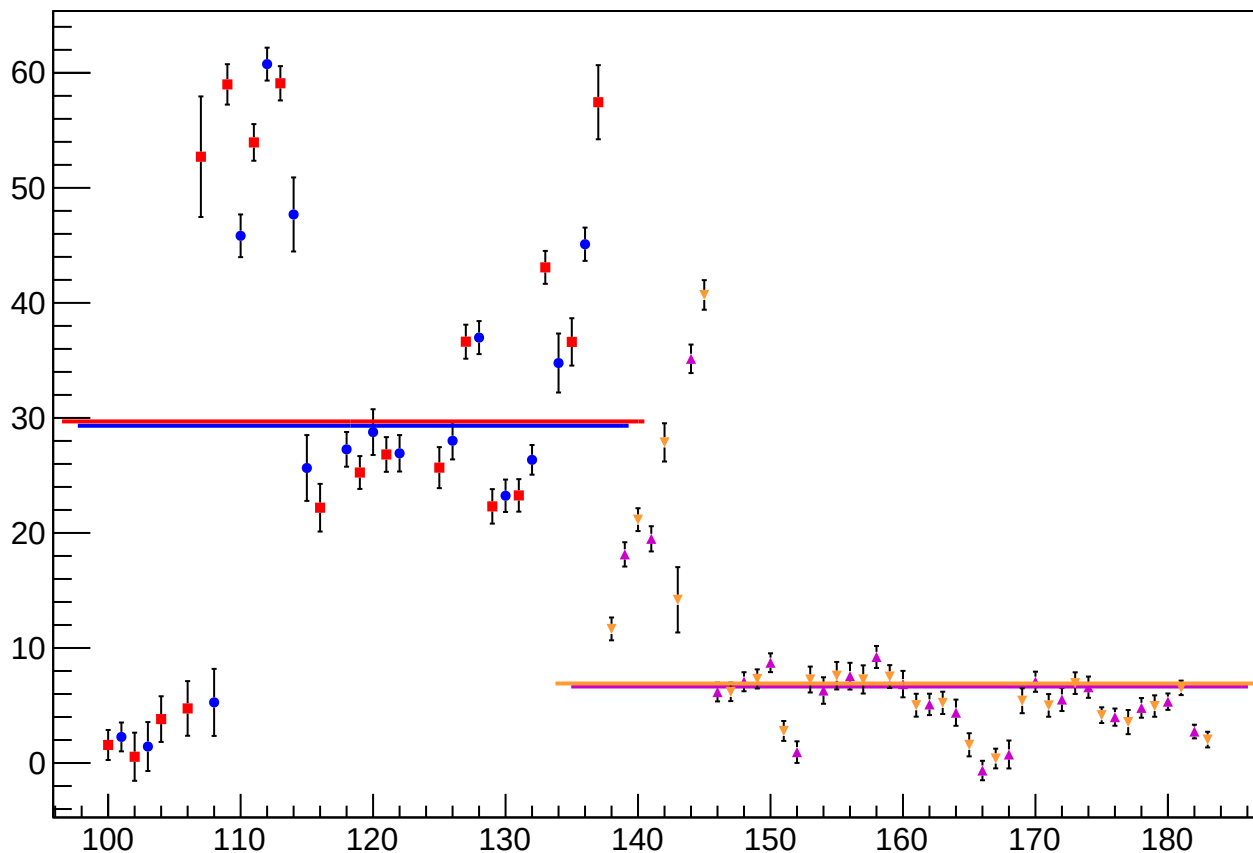
Left In: 1.661 $\pm$ 0.151 χ^2/NDF : 159.1/21

+ sign 2.293 $\pm$ 0.123 χ^2/NDF : 654.0/39

All: 2.396 $\pm$ 0.088 χ^2/NDF : 1264.1/79

- sign 2.502 $\pm$ 0.125 χ^2/NDF : 608.7/39

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.321 $\pm$ 0.420 χ^2 /NDF: 1483.3/15

Left Out: 6.912 $\pm$ 0.193 χ^2 /NDF:1290.4/23

Right Out: 29.696 $\pm$ 0.403 χ^2 /NDF: 2129.0/17

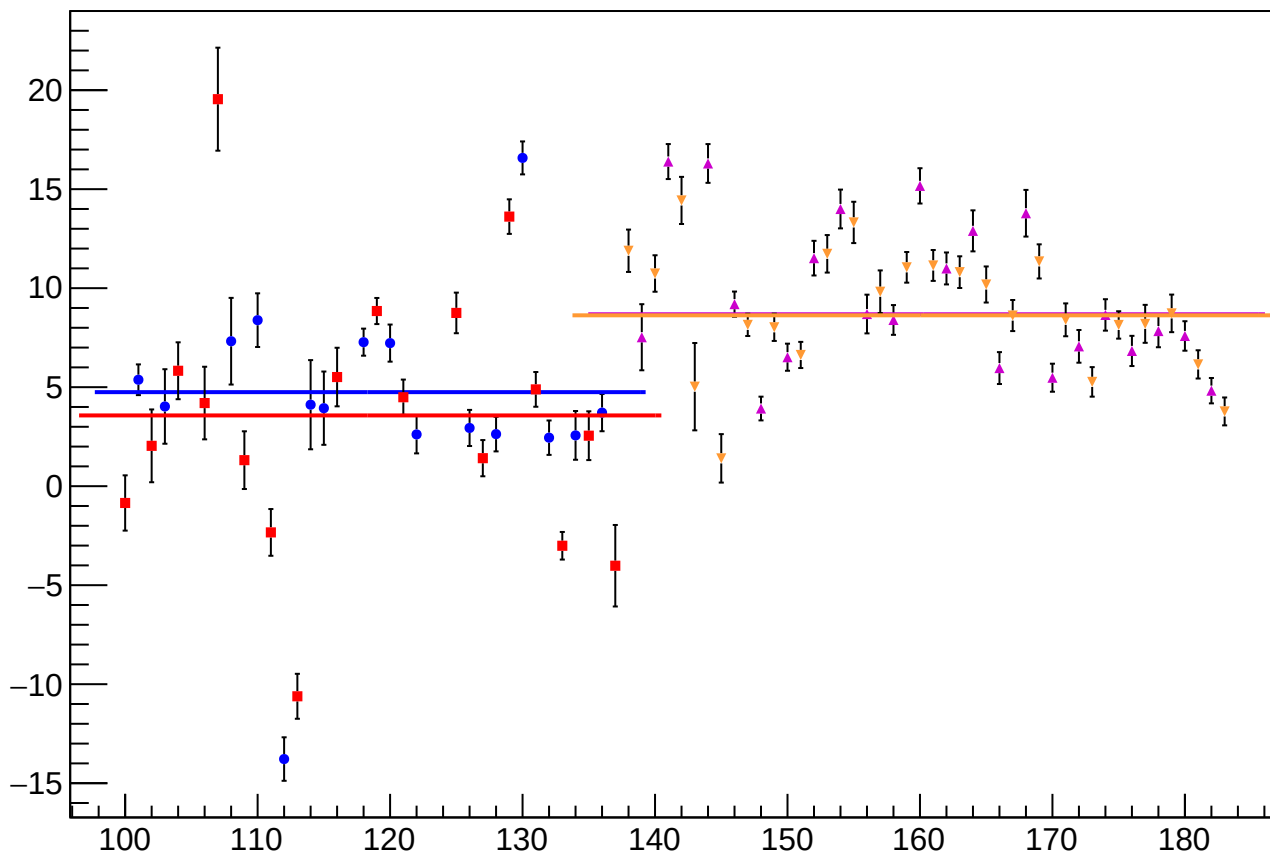
Left In: 6.650 $\pm$ 0.193 χ^2 /NDF:1006.3/21

+ sign 10.806 $\pm$ 0.175 χ^2 /NDF: 5125.2/39

All: 10.883 $\pm$ 0.124 χ^2 /NDF: 10917.8/79

- sign 10.960 $\pm$ 0.174 χ^2 /NDF: 5792.3/39

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.749 ± 0.254 χ^2/NDF : 543.1/15

Left Out: 8.629 ± 0.170 χ^2/NDF : 239.9/23

Right Out: 3.573 ± 0.255 χ^2/NDF : 570.4/17

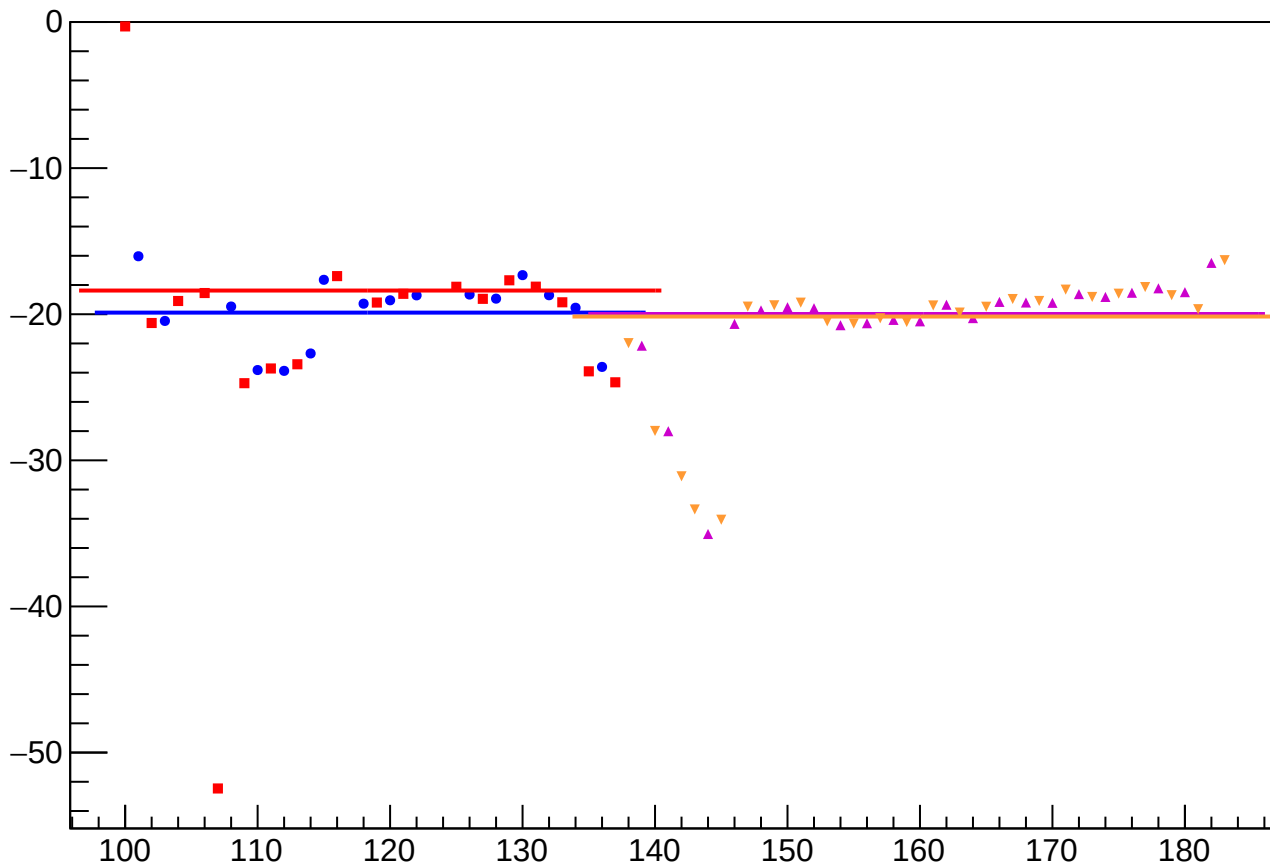
Left In: 8.683 ± 0.172 χ^2/NDF : 428.6/21

+ sign 7.432 ± 0.141 χ^2/NDF : 943.8/39

All: 7.257 ± 0.100 χ^2/NDF : 2222.3/79

- sign 7.079 ± 0.143 χ^2/NDF : 1275.3/39

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26008.9/15$

Left Out: -20.157 ± 0.008 $\chi^2/\text{NDF}: 179807.3/23$

Right Out: -18.378 ± 0.015 $\chi^2/\text{NDF}: 301009.6/17$

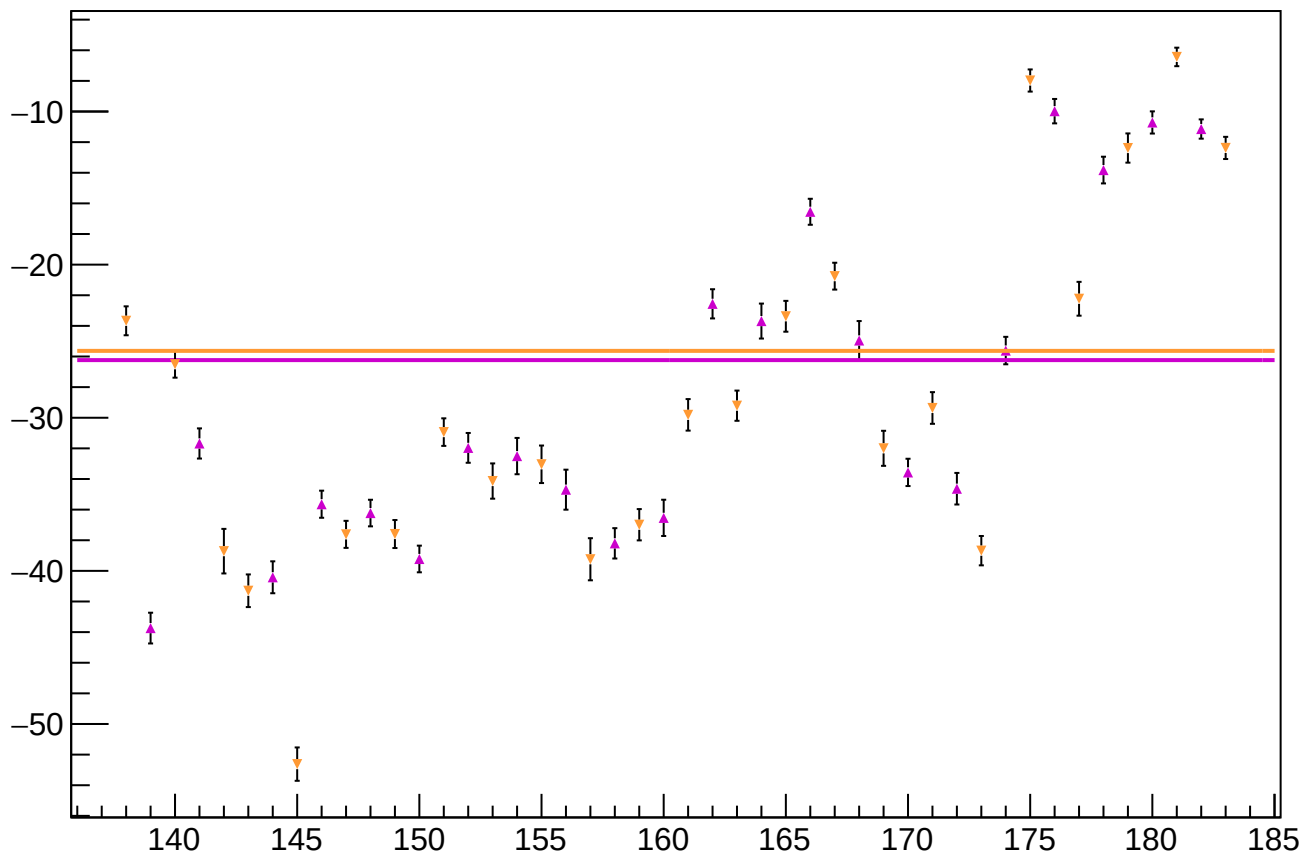
Left In: -19.986 ± 0.008 $\chi^2/\text{NDF}: 138846.5/21$

+ sign -20.102 ± 0.007 $\chi^2/\text{NDF}: 206048.5/39$

All: -19.860 ± 0.005 $\chi^2/\text{NDF}: 657386.9/79$

- sign -19.624 ± 0.007 $\chi^2/\text{NDF}: 449041.9/39$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -25.632+/-0.193 χ^2/NDF : 4054.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

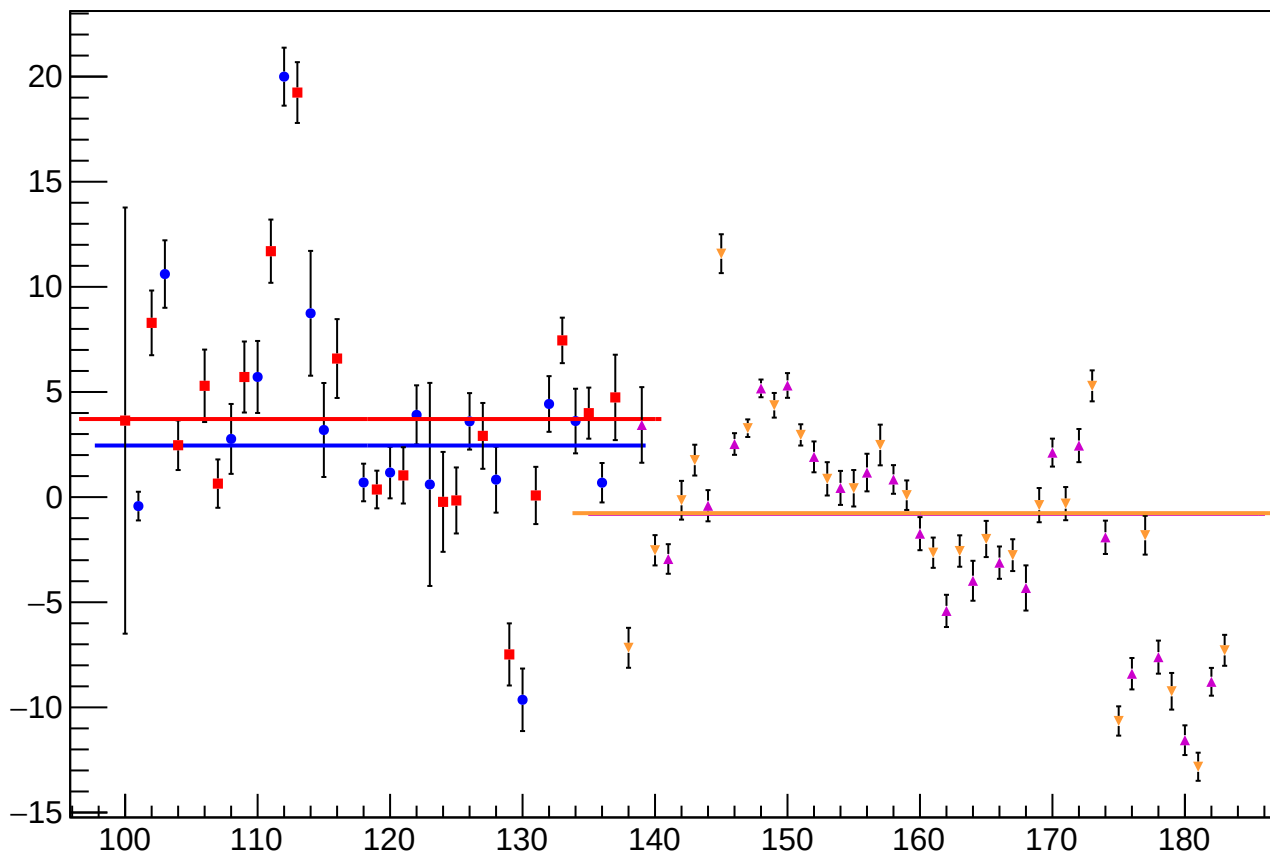
Left In: -26.236+/-0.198 χ^2/NDF : 3250.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -25.927+/-0.138 χ^2/NDF : 7309.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.454 ± 0.315 $\chi^2/\text{NDF}: 294.3/16$

Left Out: -0.763 ± 0.147 $\chi^2/\text{NDF}: 1275.6/23$

Right Out: 3.714 ± 0.327 $\chi^2/\text{NDF}: 269.1/18$

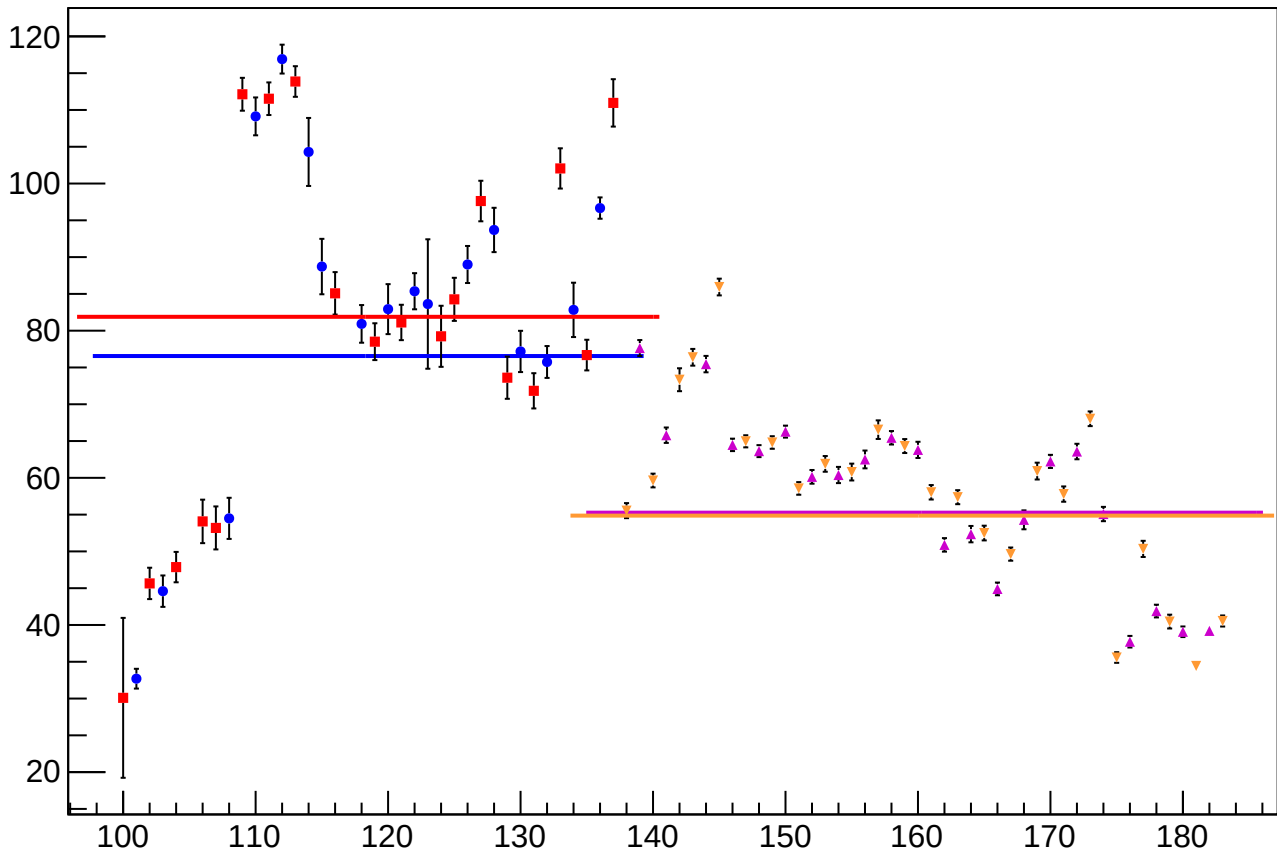
Left In: -0.796 ± 0.152 $\chi^2/\text{NDF}: 1055.6/21$

+ sign -0.187 ± 0.133 $\chi^2/\text{NDF}: 1655.6/40$

All: -0.094 ± 0.096 $\chi^2/\text{NDF}: 3138.0/81$

- sign 0.005 ± 0.138 $\chi^2/\text{NDF}: 1481.3/40$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.555 $\pm$ 0.577 χ^2 /NDF: 2252.8/16

Left Out: 54.864 $\pm$ 0.193 χ^2 /NDF: 4480.3/23

Right Out: 81.886 $\pm$ 0.593 χ^2 /NDF: 1570.8/18

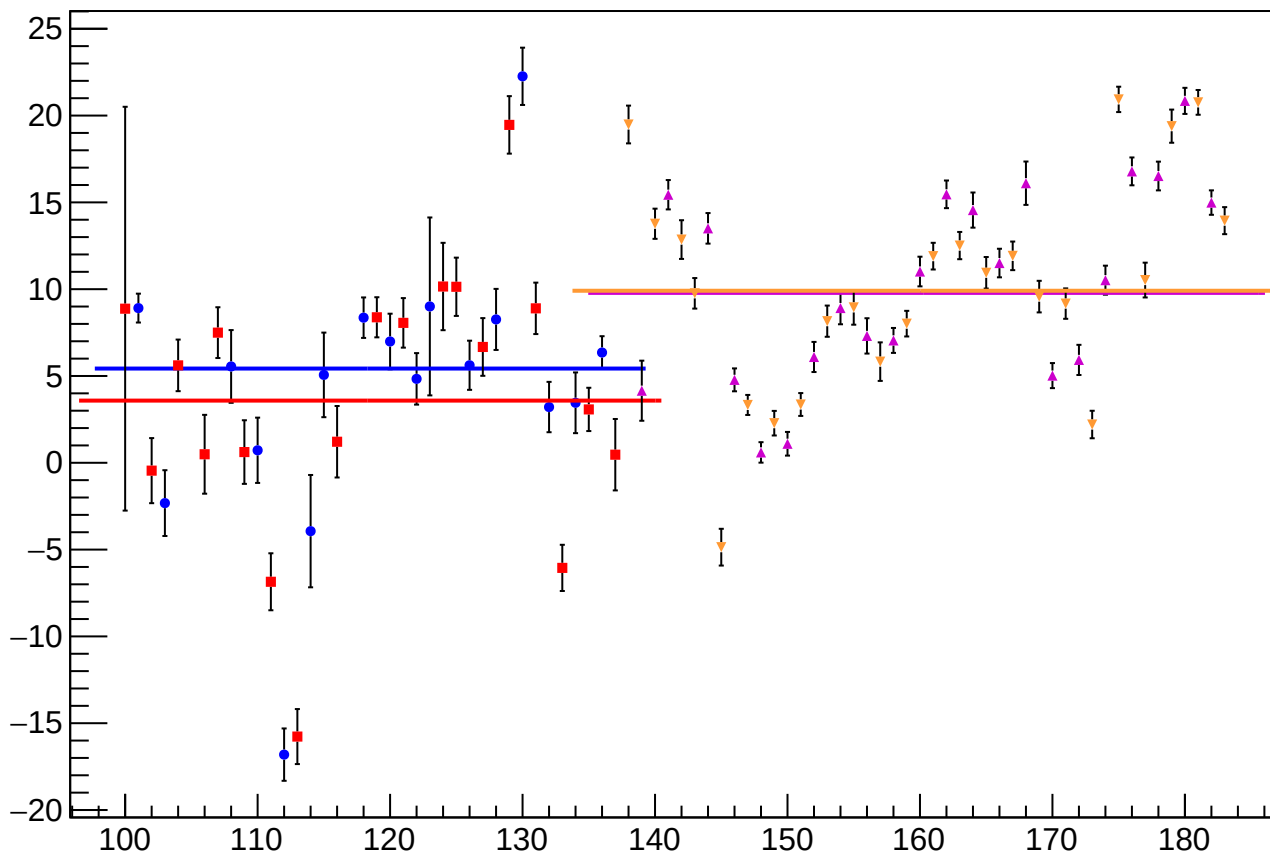
Left In: 55.265 $\pm$ 0.196 χ^2 /NDF: 3665.8/21

+ sign 57.046 $\pm$ 0.183 χ^2 /NDF: 8004.5/40

All: 57.461 $\pm$ 0.130 χ^2 /NDF: 15068.8/81

- sign 57.890 $\pm$ 0.186 χ^2 /NDF: 7053.9/40

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.428 $\pm$ 0.361 χ^2 /NDF: 385.7/16

Left Out: 9.909 $\pm$ 0.169 χ^2 /NDF:1374.3/23

Right Out: 3.582 $\pm$ 0.376 χ^2 /NDF: 421.6/18

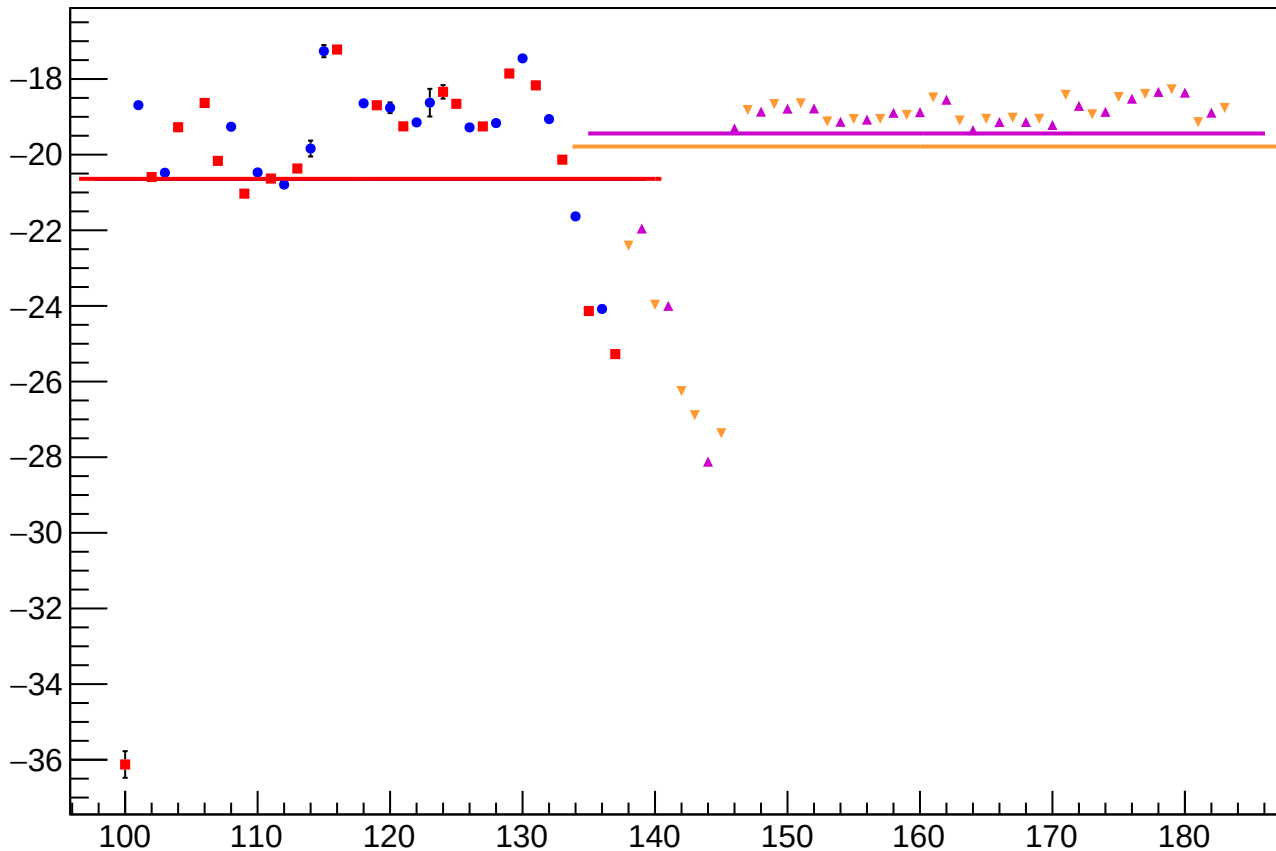
Left In: 9.787 $\pm$ 0.173 χ^2 /NDF:1158.3/21

+ sign 9.104 $\pm$ 0.153 χ^2 /NDF: 1886.5/40

All: 8.906 $\pm$ 0.110 χ^2 /NDF: 3694.8/81

- sign 8.696 $\pm$ 0.157 χ^2 /NDF: 1804.9/40

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12424.2/16$

Left Out: -19.785 ± 0.008 $\chi^2/\text{NDF}: 91349.1/23$

Right Out: -20.640 ± 0.019 $\chi^2/\text{NDF}: 13785.9/18$

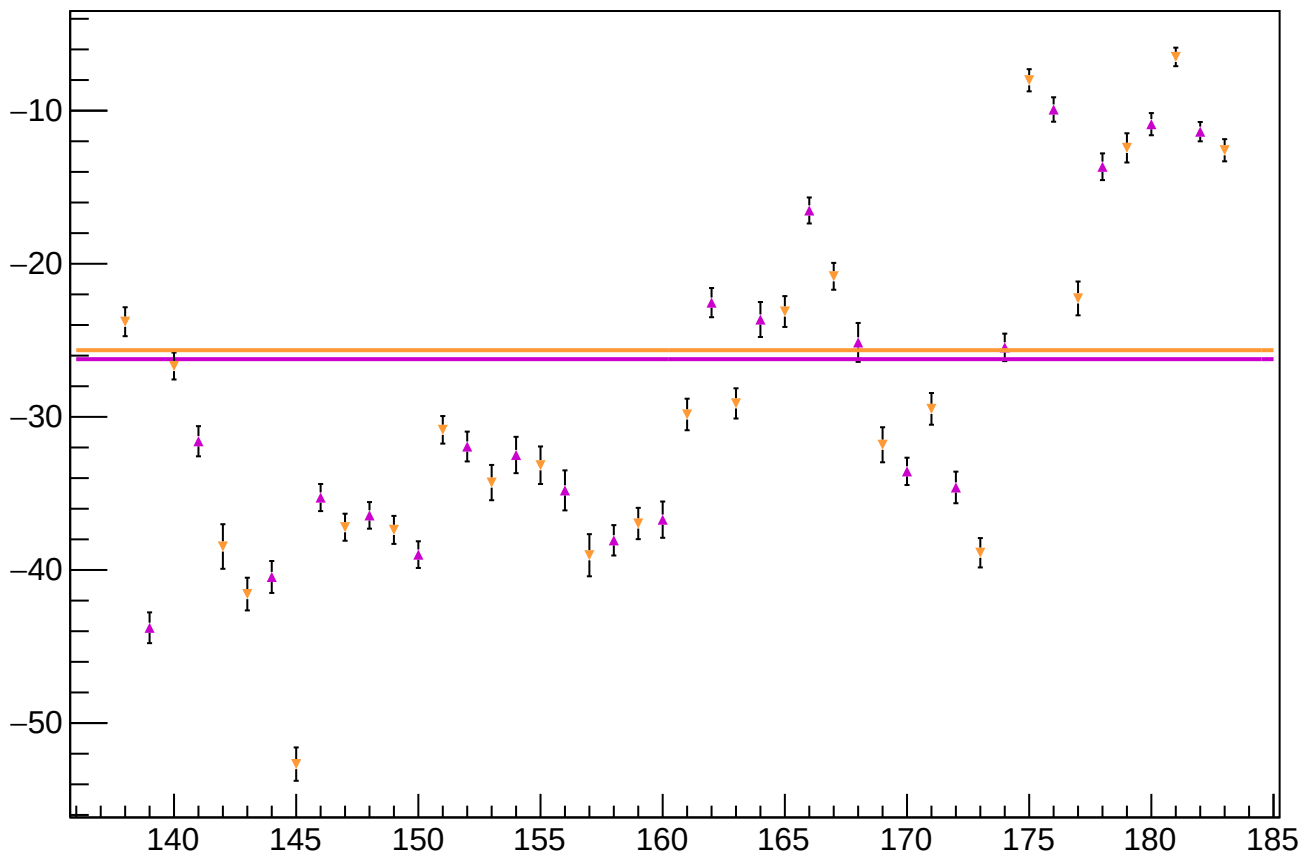
Left In: -19.440 ± 0.008 $\chi^2/\text{NDF}: 53154.4/21$

+ sign -19.910 ± 0.007 $\chi^2/\text{NDF}: 105456.5/40$

All: -19.764 ± 0.005 $\chi^2/\text{NDF}: 176429.3/81$

- sign -19.615 ± 0.007 $\chi^2/\text{NDF}: 70181.7/40$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: -25.645+/-0.193 χ^2 /NDF:4022.1/23

Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

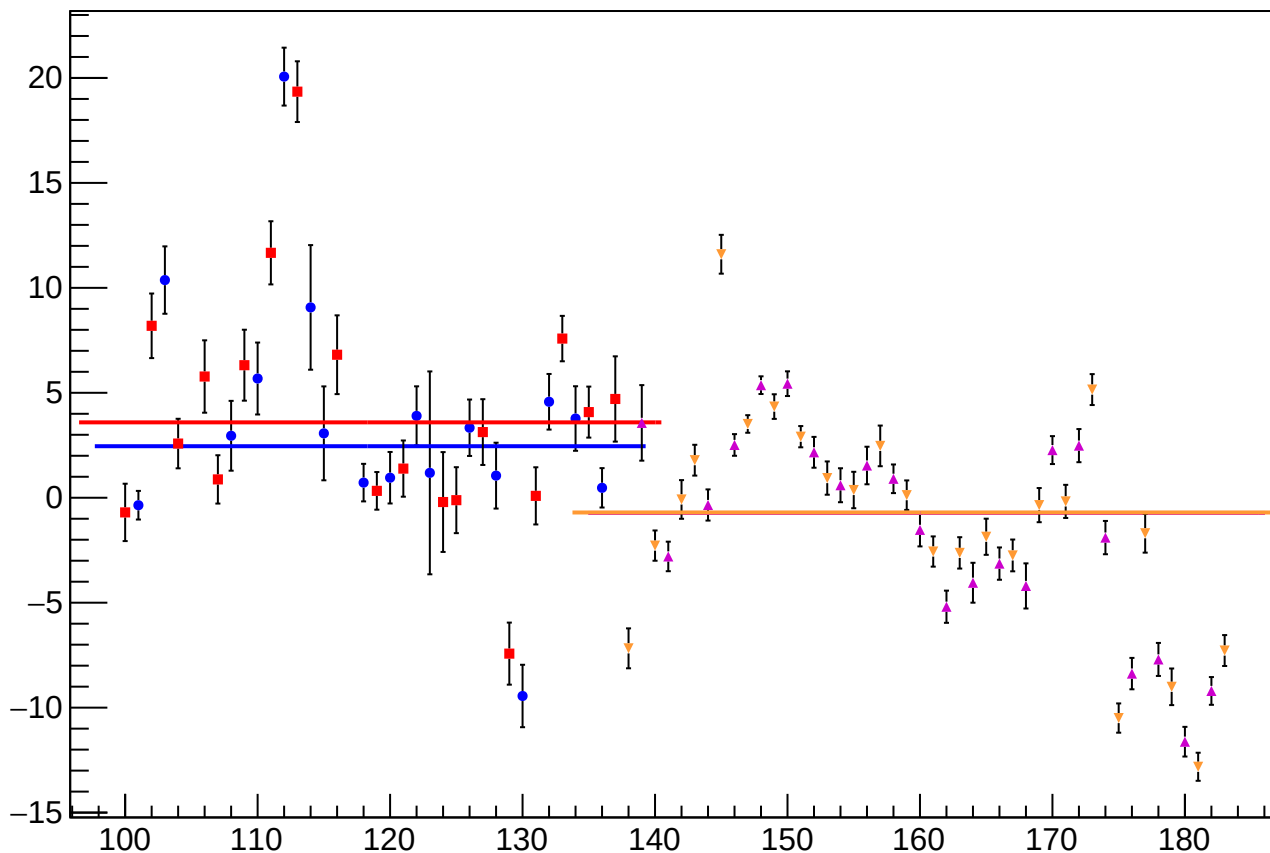
Left In: -26.232+/-0.198 χ^2 /NDF:3216.8/21

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -25.932+/-0.138 χ^2 /NDF: 7243.4/45

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 292.3/16

Left Out: -0.702 ± 0.147 χ^2/NDF : 1267.8/23

Right Out: 3.592 ± 0.318 χ^2/NDF : 280.0/18

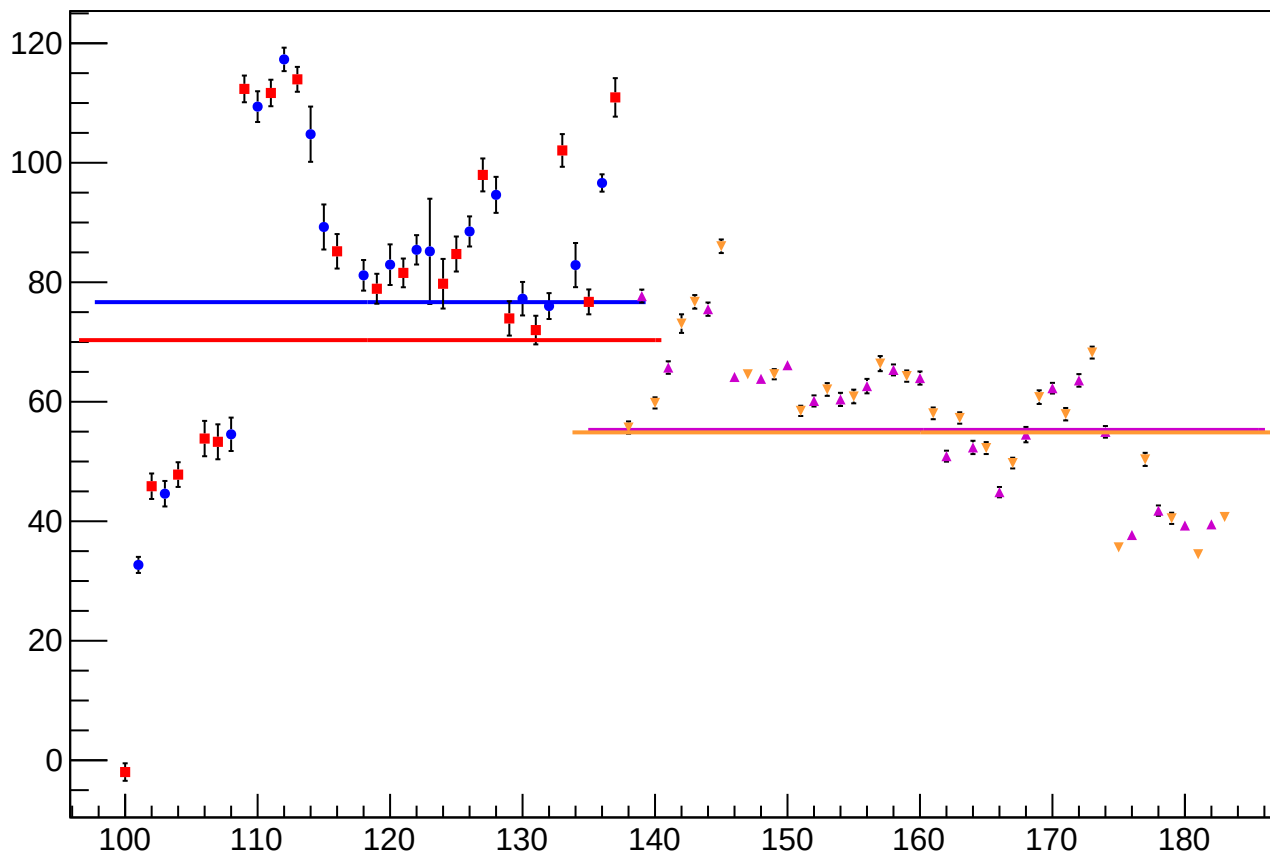
Left In: -0.724 ± 0.152 χ^2/NDF : 1094.4/21

+ sign -0.136 ± 0.133 χ^2/NDF : 1642.5/40

All: -0.032 ± 0.096 χ^2/NDF : 3168.2/81

- sign 0.077 ± 0.137 χ^2/NDF : 1524.4/40

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.675 ± 0.577 $\chi^2/\text{NDF}: 2264.8/16$

Left Out: 54.876 ± 0.193 $\chi^2/\text{NDF}: 4459.8/23$

Right Out: 70.316 ± 0.551 $\chi^2/\text{NDF}: 4387.2/18$

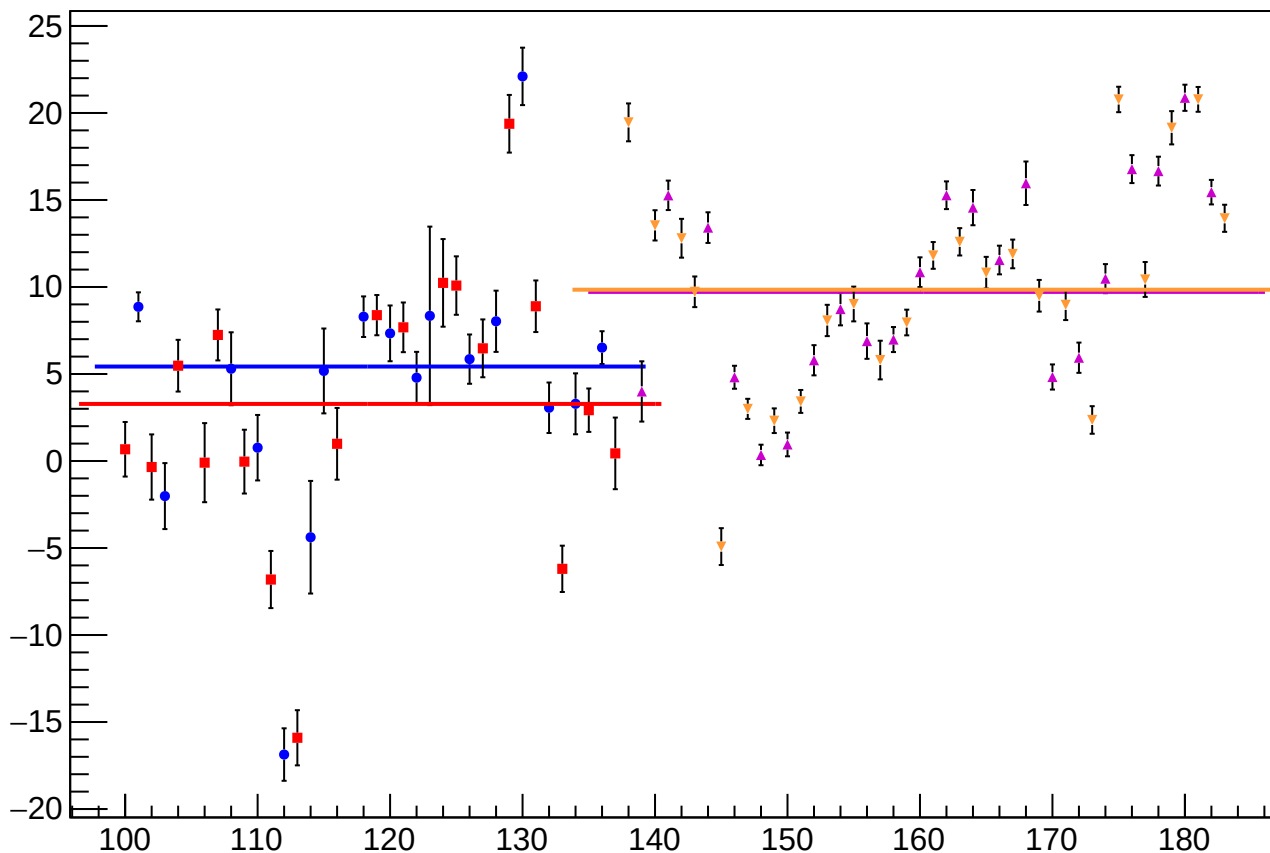
Left In: 55.291 ± 0.196 $\chi^2/\text{NDF}: 3626.9/21$

+ sign 57.068 ± 0.183 $\chi^2/\text{NDF}: 8007.4/40$

All: 57.027 ± 0.130 $\chi^2/\text{NDF}: 16682.5/81$

- sign 56.985 ± 0.185 $\chi^2/\text{NDF}: 8675.0/40$

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.428 ± 0.361 χ^2/NDF : 384.2/16

Left Out: 9.844 ± 0.169 χ^2/NDF : 1368.9/23

Right Out: 3.280 ± 0.366 χ^2/NDF : 425.0/18

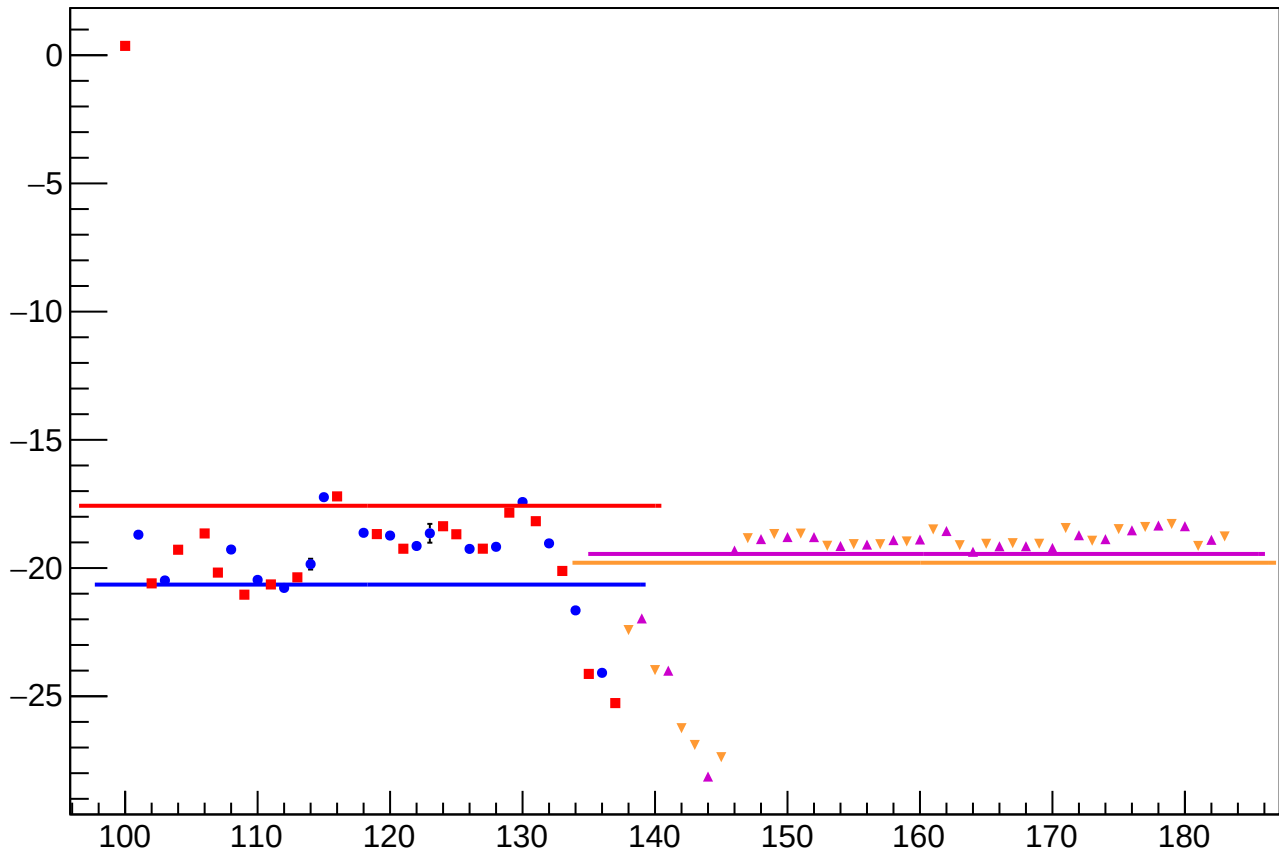
Left In: 9.717 ± 0.174 χ^2/NDF : 1190.5/21

+ sign 9.051 ± 0.153 χ^2/NDF : 1875.7/40

All: 8.798 ± 0.110 χ^2/NDF : 3749.8/81

- sign 8.533 ± 0.157 χ^2/NDF : 1868.5/40

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.645 ± 0.019 χ^2/NDF : 12462.7/16

Left Out: -19.793 ± 0.008 χ^2/NDF : 91244.2/23

Right Out: -17.571 ± 0.018 χ^2/NDF : 178318.0/18

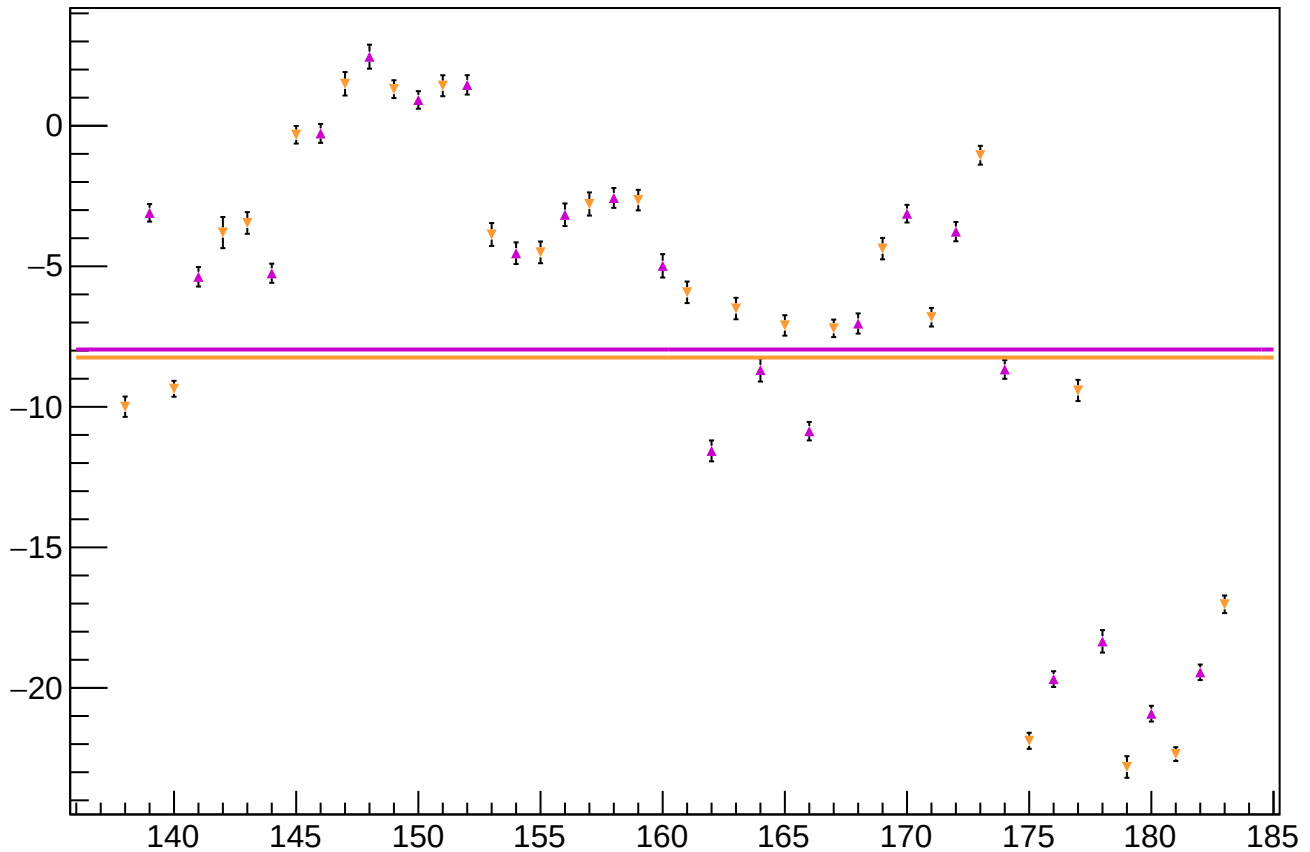
Left In: -19.450 ± 0.008 χ^2/NDF : 53106.6/21

+ sign -19.917 ± 0.007 χ^2/NDF : 105362.4/40

All: -19.526 ± 0.005 χ^2/NDF : 351418.5/81

- sign -19.138 ± 0.007 χ^2/NDF : 240463.0/40

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -8.246 $\pm$ 0.071 χ^2 /NDF:12104.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

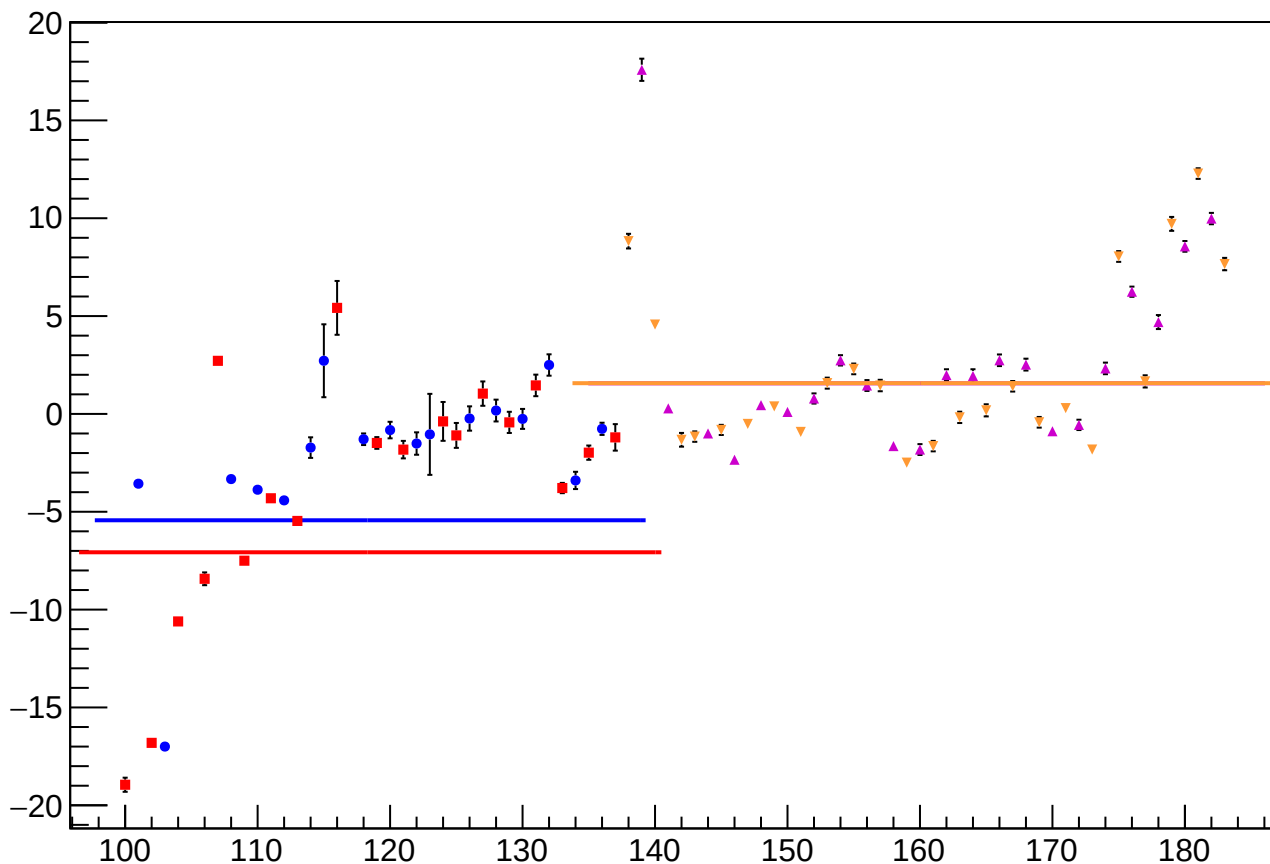
Left In: -7.960 $\pm$ 0.073 χ^2 /NDF:10412.9/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -8.106 $\pm$ 0.051 χ^2 /NDF: 22525.2/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.435 ± 0.055 χ^2/NDF : 9226.6/16

Left Out: 1.570 ± 0.055 χ^2/NDF : 4784.6/23

Right Out: -7.071 ± 0.059 χ^2/NDF : 12294.3/18

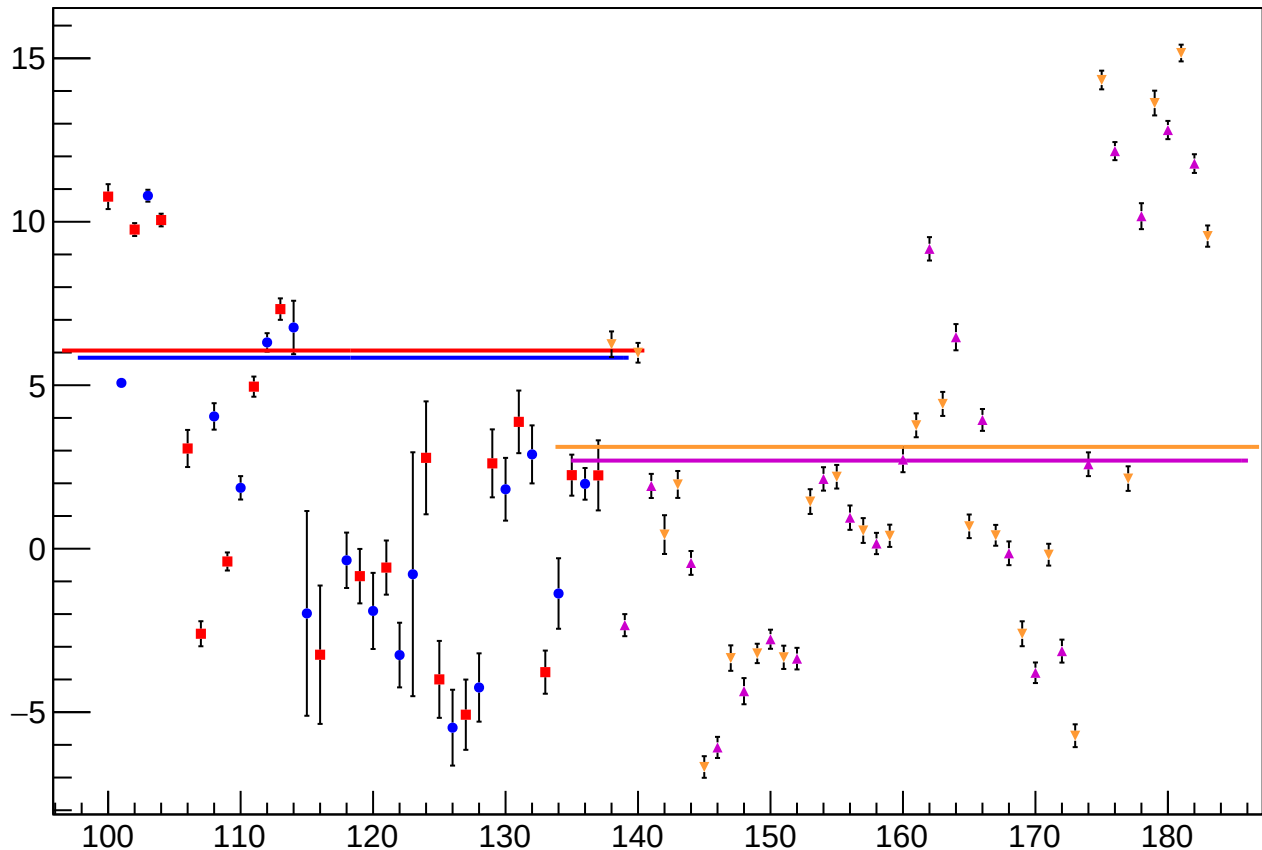
Left In: 1.563 ± 0.057 χ^2/NDF : 3795.2/21

+ sign -1.924 ± 0.039 χ^2/NDF : 22176.3/40

All: -2.242 ± 0.028 χ^2/NDF : 49487.4/81

- sign -2.597 ± 0.041 χ^2/NDF : 27168.6/40

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.842 ± 0.090 $\chi^2/\text{NDF}: 1436.5/16$

Left Out: 3.115 ± 0.071 $\chi^2/\text{NDF}: 8284.9/23$

Right Out: 6.062 ± 0.093 $\chi^2/\text{NDF}: 2664.6/18$

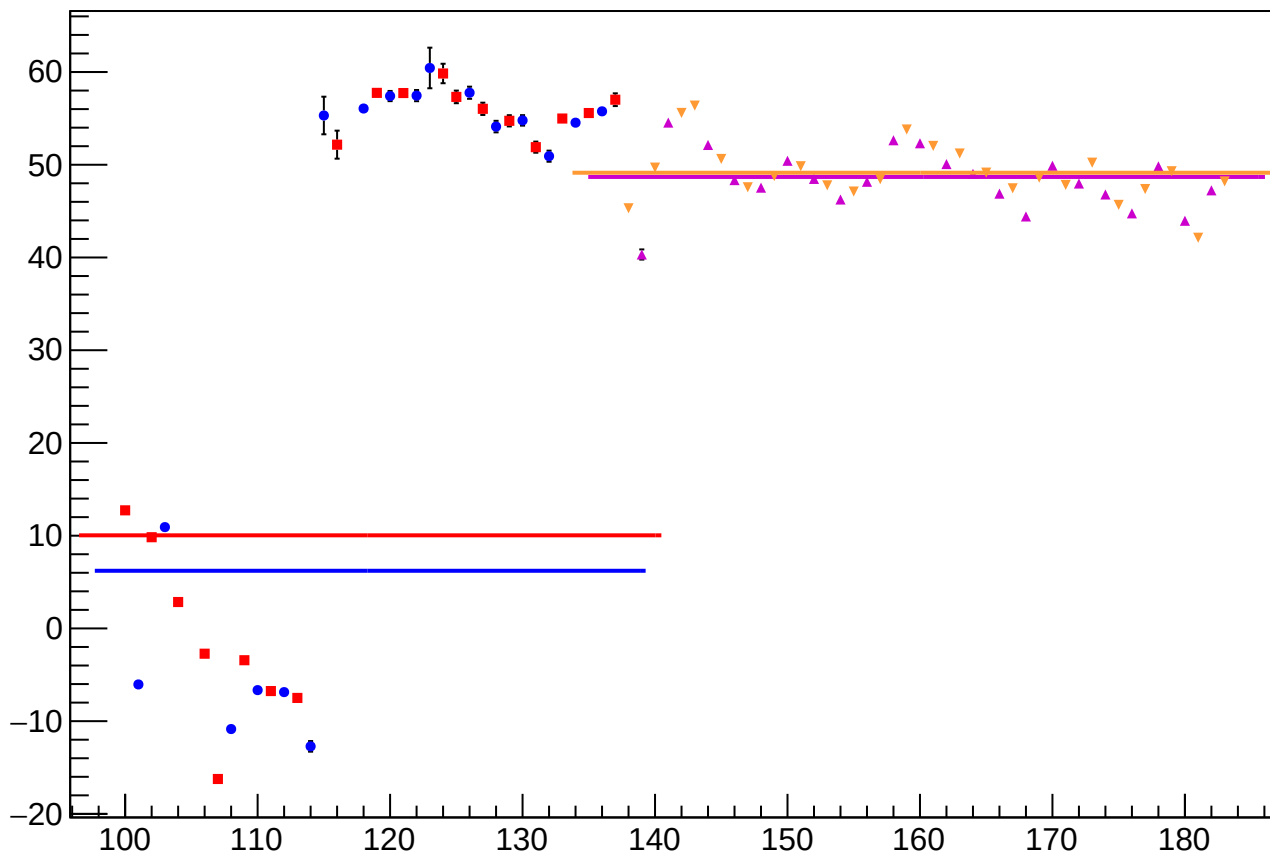
Left In: 2.695 ± 0.072 $\chi^2/\text{NDF}: 7157.0/21$

+ sign 4.163 ± 0.056 $\chi^2/\text{NDF}: 10290.4/40$

All: 4.061 ± 0.040 $\chi^2/\text{NDF}: 20933.3/81$

- sign 3.954 ± 0.057 $\chi^2/\text{NDF}: 10636.0/40$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.217+/-0.065 χ^2/NDF : 120600.0/16

Left Out: 49.140+/-0.062 χ^2/NDF : 2251.3/23

Right Out: 10.040+/-0.070 χ^2/NDF : 121726.0/18

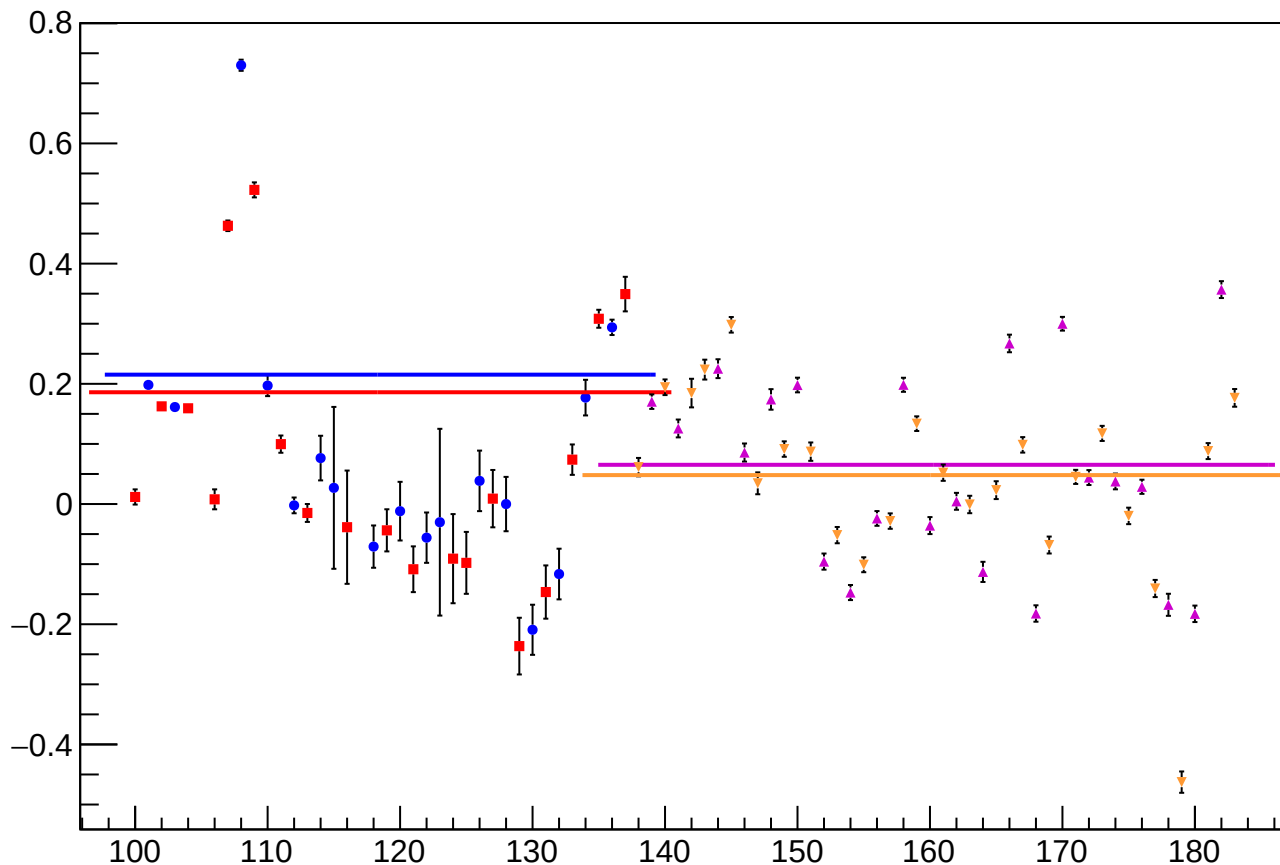
Left In: 48.684+/-0.064 χ^2/NDF : 2036.5/21

+ sign 28.563+/-0.045 χ^2/NDF : 350851.3/40

All: 29.699+/-0.033 χ^2/NDF : 642049.4/81

- sign 30.957+/-0.047 χ^2/NDF : 289848.5/40

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2/NDF : 3923.9/16

Left Out: 0.048 $\pm$ 0.003 χ^2/NDF : 2186.8/23

Right Out: 0.186 $\pm$ 0.003 χ^2/NDF : 2715.5/18

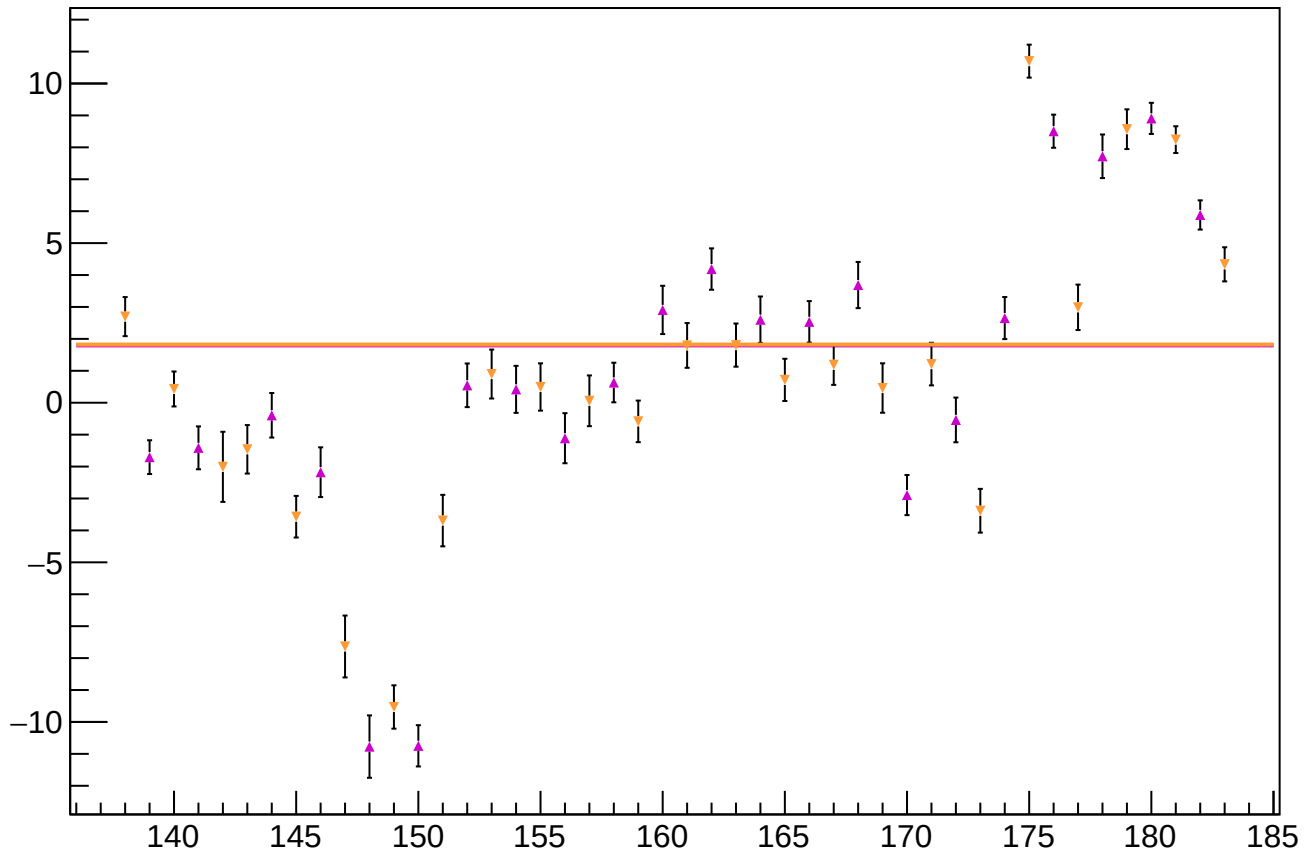
Left In: 0.065 $\pm$ 0.003 χ^2/NDF : 3030.6/21

+ sign 0.134 $\pm$ 0.002 χ^2/NDF : 7876.1/40

All: 0.132 $\pm$ 0.001 χ^2/NDF : 14561.2/81

- sign 0.130 $\pm$ 0.002 χ^2/NDF : 6682.7/40

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 1.822 $\pm$ 0.134 χ^2 /NDF:1291.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

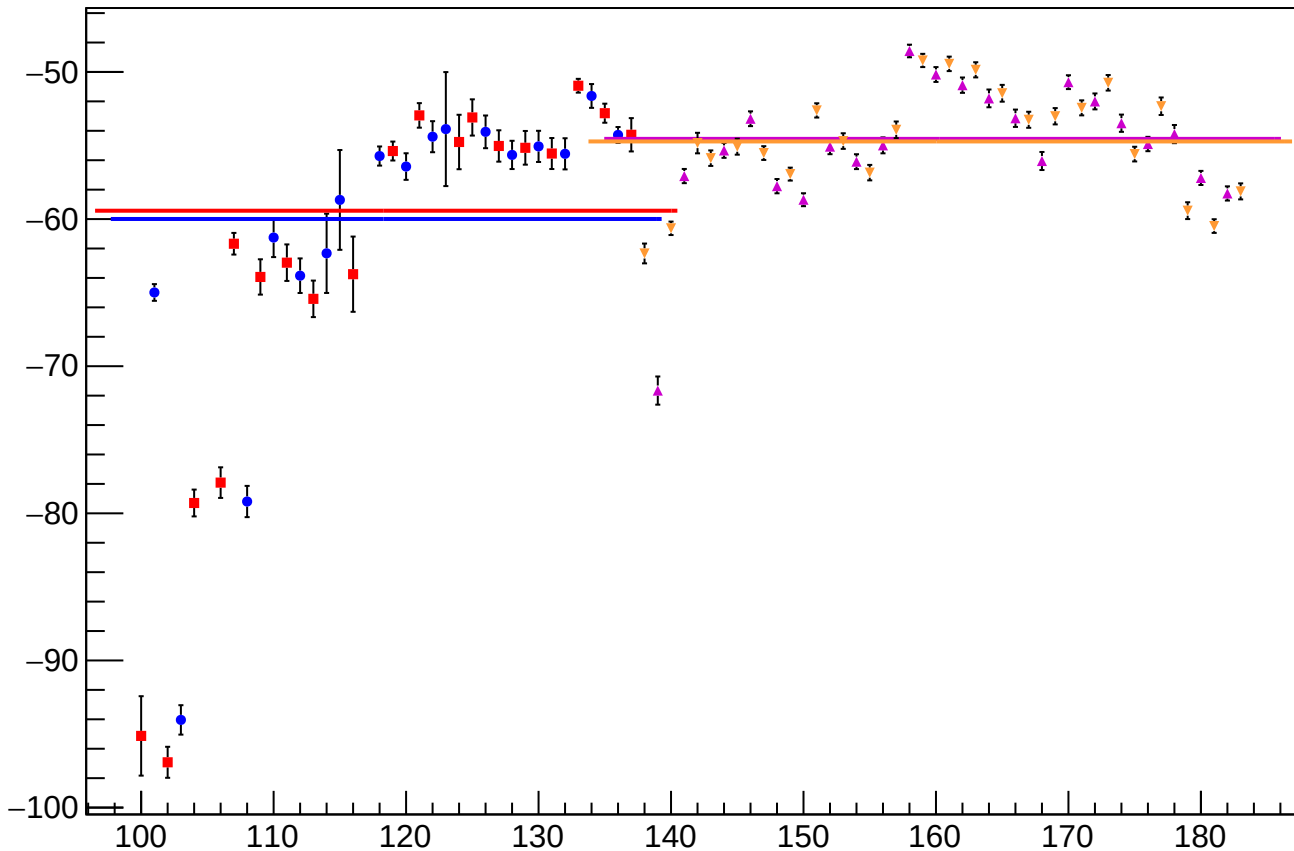
Left In: 1.796 $\pm$ 0.137 χ^2 /NDF:1296.4/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1.810 $\pm$ 0.096 χ^2 /NDF: 2587.5/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.993 ± 0.225 χ^2/NDF : 1973.4/16

Left Out: -54.723 ± 0.106 χ^2/NDF : 1124.5/23

Right Out: -59.431 ± 0.212 χ^2/NDF : 2920.1/18

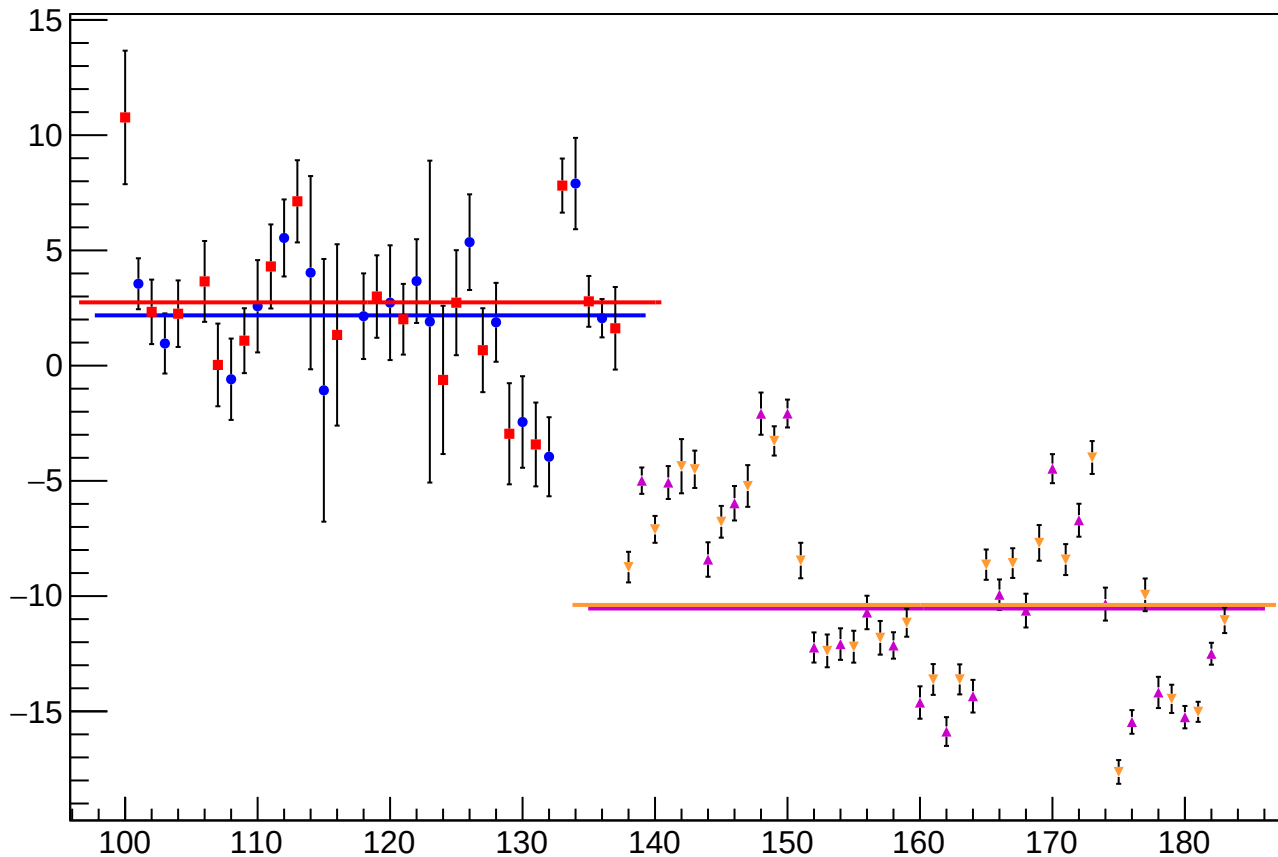
Left In: -54.548 ± 0.111 χ^2/NDF : 1033.2/21

+ sign -55.686 ± 0.096 χ^2/NDF : 3545.5/40

All: -55.642 ± 0.069 χ^2/NDF : 7915.4/81

- sign -55.596 ± 0.098 χ^2/NDF : 4369.5/40

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.2/16$

Left Out: -10.383 ± 0.134 $\chi^2/\text{NDF}: 849.9/23$

Right Out: 2.746 ± 0.388 $\chi^2/\text{NDF}: 58.7/18$

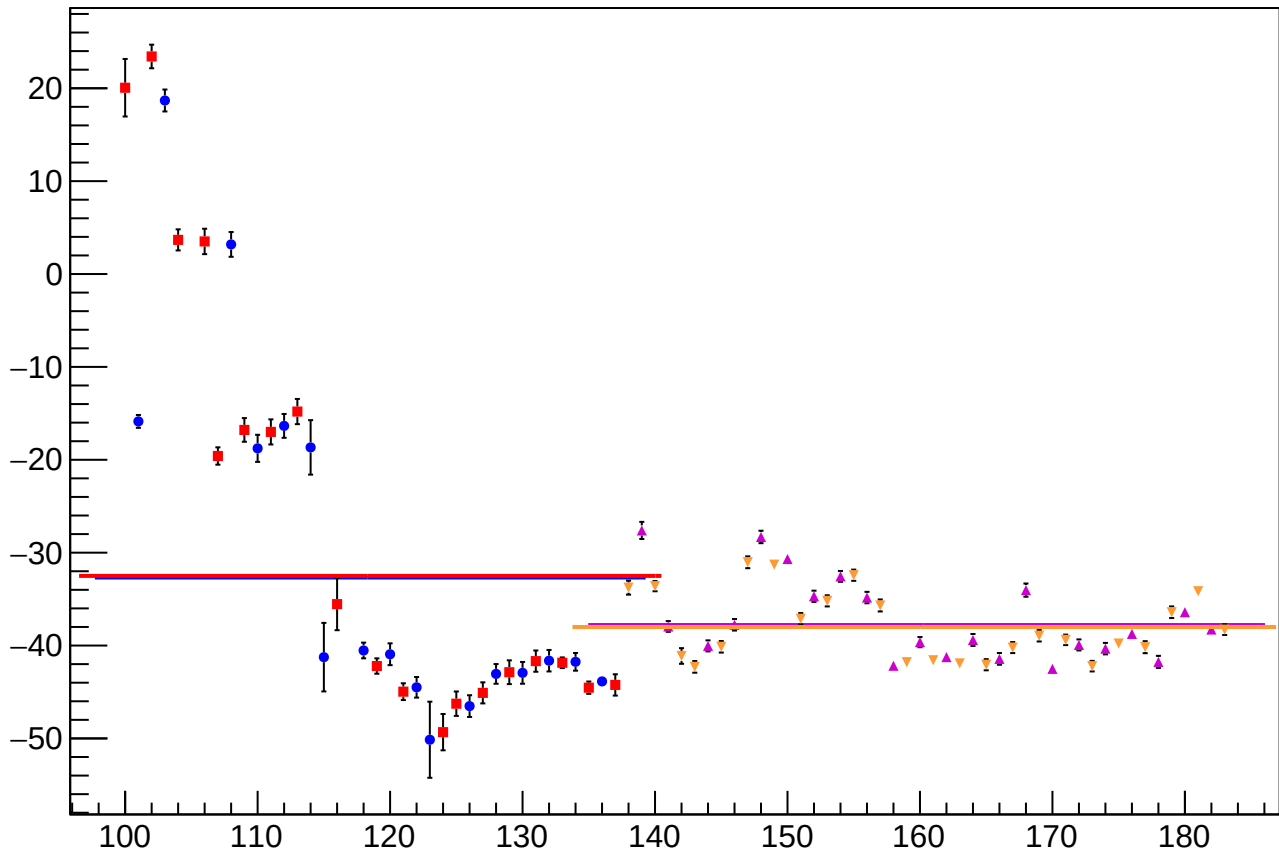
Left In: -10.539 ± 0.136 $\chi^2/\text{NDF}: 988.5/21$

+ sign -9.150 ± 0.127 $\chi^2/\text{NDF}: 1752.4/40$

All: -9.115 ± 0.090 $\chi^2/\text{NDF}: 3840.8/81$

- sign -9.080 ± 0.129 $\chi^2/\text{NDF}: 2088.3/40$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.671 ± 0.256 $\chi^2/\text{NDF}: 4642.6/16$

Left Out: -38.005 ± 0.120 $\chi^2/\text{NDF}: 946.0/23$

Right Out: -32.501 ± 0.244 $\chi^2/\text{NDF}: 6042.9/18$

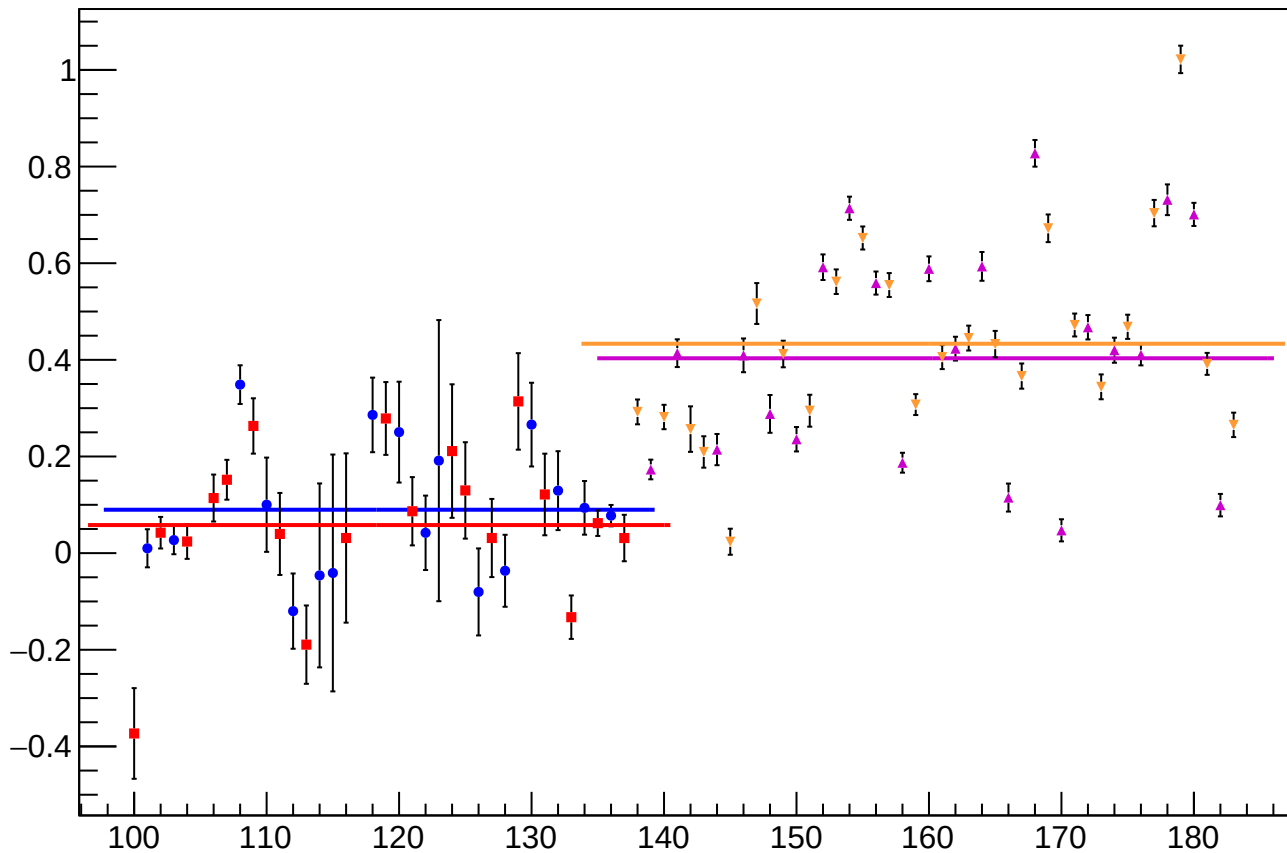
Left In: -37.790 ± 0.124 $\chi^2/\text{NDF}: 1038.8/21$

+ sign -37.048 ± 0.108 $\chi^2/\text{NDF}: 5944.7/40$

All: -36.883 ± 0.077 $\chi^2/\text{NDF}: 13404.4/81$

- sign -36.712 ± 0.110 $\chi^2/\text{NDF}: 7455.0/40$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 79.1/16

Left Out: 0.433 $\pm$ 0.005 χ^2 /NDF:1216.9/23

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.0/18

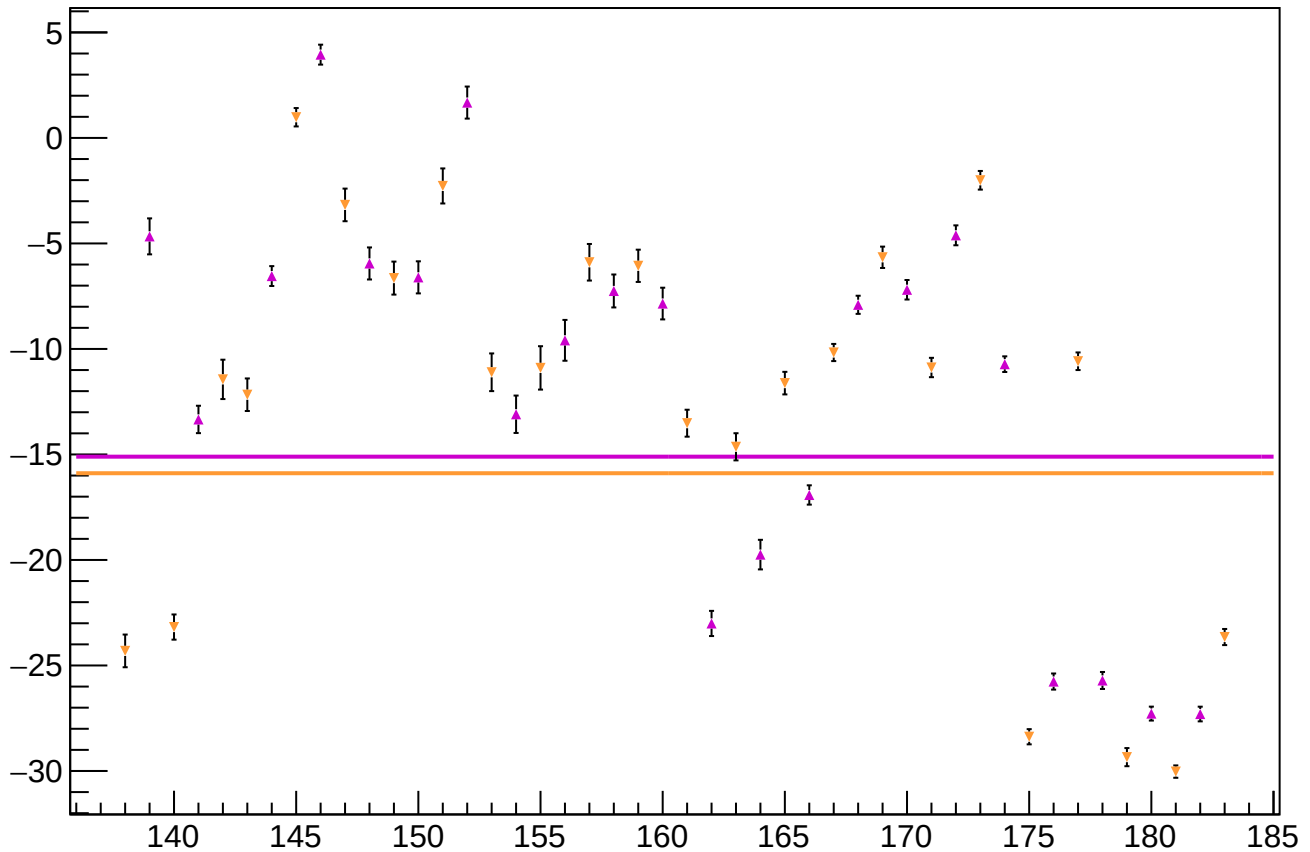
Left In: 0.403 $\pm$ 0.005 χ^2 /NDF:1694.9/21

+ sign 0.381 $\pm$ 0.005 χ^2 /NDF: 1910.2/40

All: 0.363 $\pm$ 0.004 χ^2 /NDF: 4385.2/81

- sign 0.345 $\pm$ 0.005 χ^2 /NDF: 2450.0/40

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -15.890+/-0.107 χ^2/NDF : 9710.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

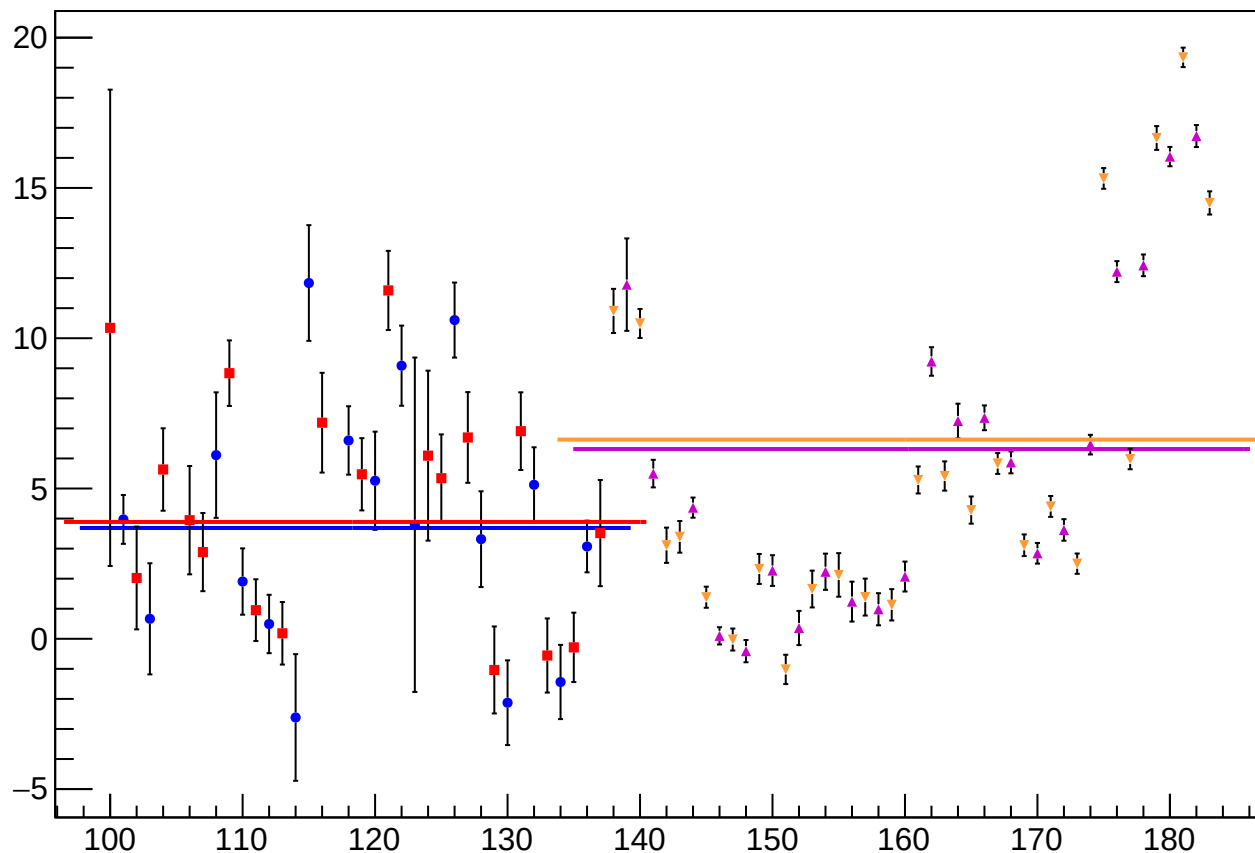
Left In: -15.105+/-0.108 χ^2/NDF : 8605.1/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.503+/-0.076 χ^2/NDF : 18342.5/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.687 ± 0.311 χ^2/NDF : 135.1/16

Left Out: 6.627 ± 0.086 χ^2/NDF : 4913.6/23

Right Out: 3.887 ± 0.317 χ^2/NDF : 133.7/18

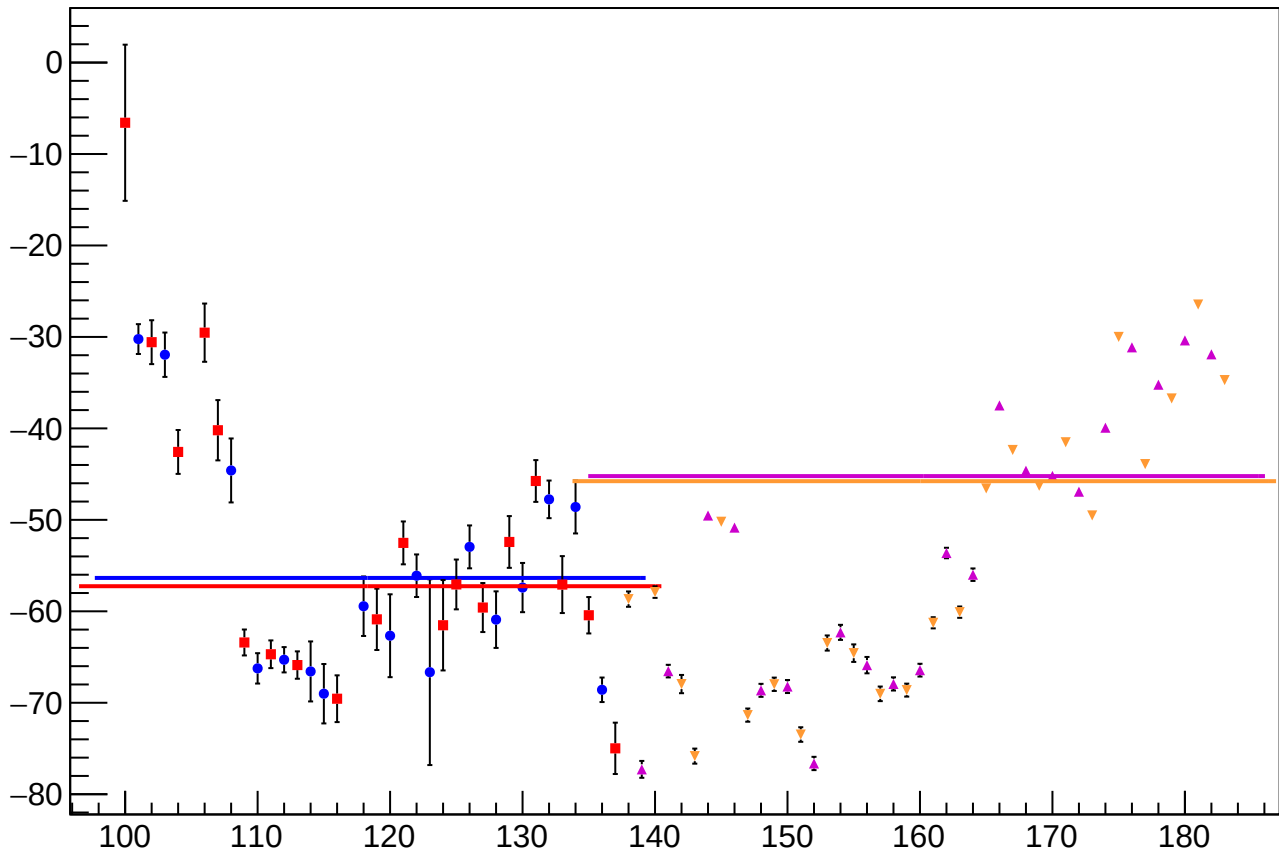
Left In: 6.314 ± 0.087 χ^2/NDF : 3799.4/21

+ sign 6.417 ± 0.083 χ^2/NDF : 5131.7/40

All: 6.281 ± 0.059 χ^2/NDF : 9124.7/81

- sign 6.144 ± 0.084 χ^2/NDF : 3987.6/40

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.351 ± 0.544 χ^2/NDF : 587.4/16

Left Out: -45.772 ± 0.108 χ^2/NDF : 17195.6/23

Right Out: -57.256 ± 0.537 χ^2/NDF : 475.7/18

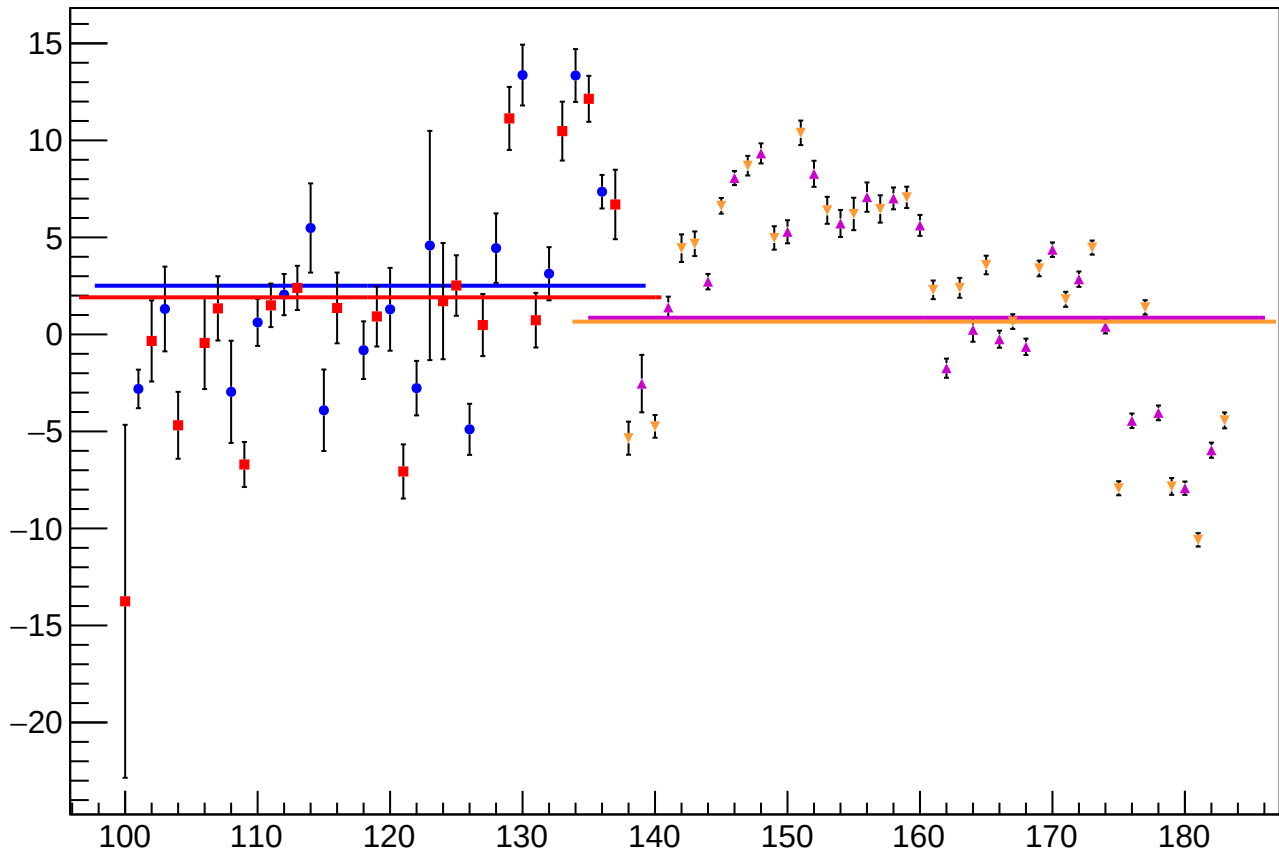
Left In: -45.216 ± 0.108 χ^2/NDF : 15600.1/21

+ sign -46.169 ± 0.105 χ^2/NDF : 18146.6/40

All: -45.931 ± 0.075 χ^2/NDF : 34715.9/81

- sign -45.689 ± 0.106 χ^2/NDF : 16559.0/40

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.509 ± 0.348 χ^2/NDF : 242.2/16

Left Out: 0.657 ± 0.097 χ^2/NDF : 3666.3/23

Right Out: 1.911 ± 0.356 χ^2/NDF : 264.6/18

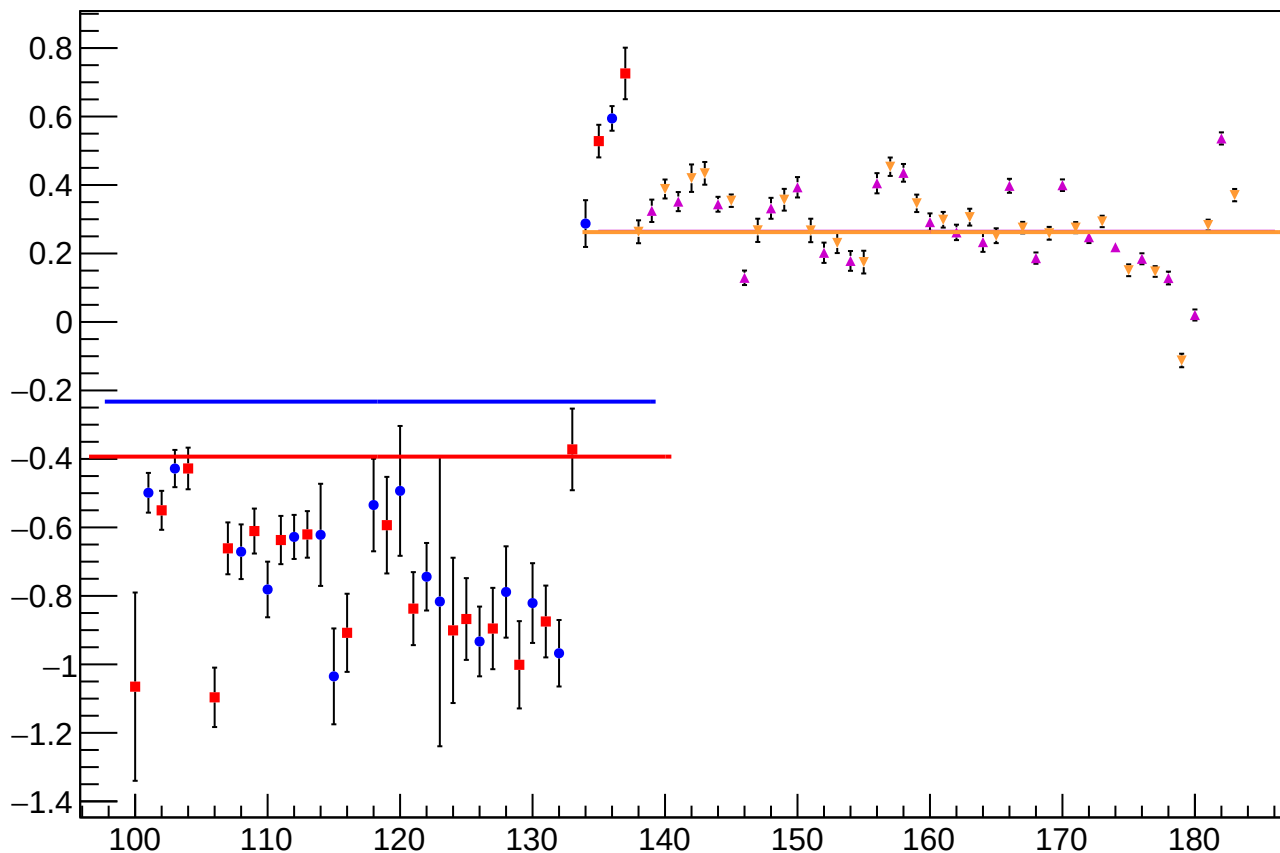
Left In: 0.859 ± 0.098 χ^2/NDF : 2667.2/21

+ sign 0.789 ± 0.093 χ^2/NDF : 3934.9/40

All: 0.860 ± 0.066 χ^2/NDF : 6876.0/81

- sign 0.933 ± 0.094 χ^2/NDF : 2939.9/40

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 957.0/16

Left Out: 0.262 ± 0.004 χ^2/NDF : 670.8/23

Right Out: -0.393 ± 0.019 χ^2/NDF : 844.6/18

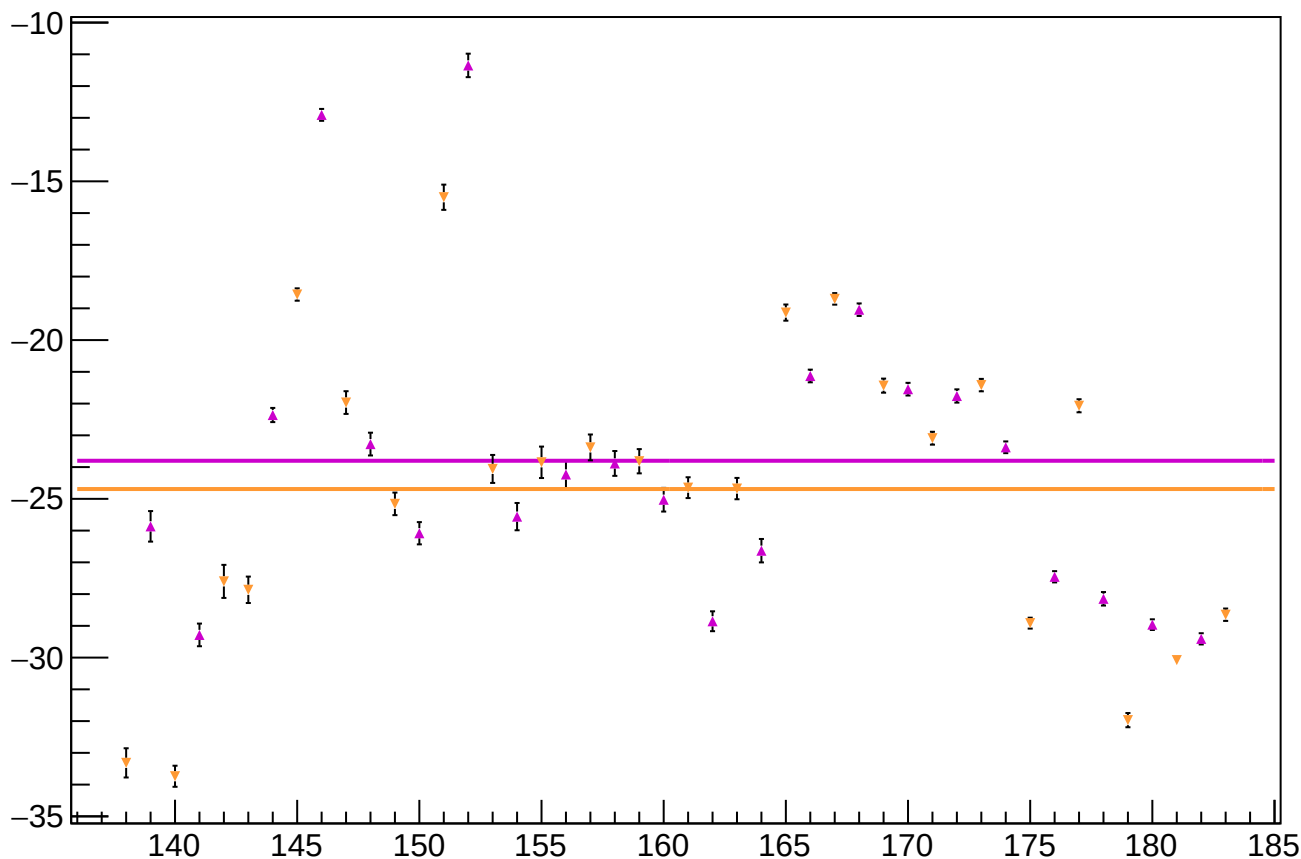
Left In: 0.263 ± 0.004 χ^2/NDF : 852.3/21

+ sign 0.237 ± 0.004 χ^2/NDF : 2276.5/40

All: 0.233 ± 0.003 χ^2/NDF : 5106.0/81

- sign 0.229 ± 0.004 χ^2/NDF : 2827.9/40

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -24.691+/-0.052 χ^2/NDF : 8397.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

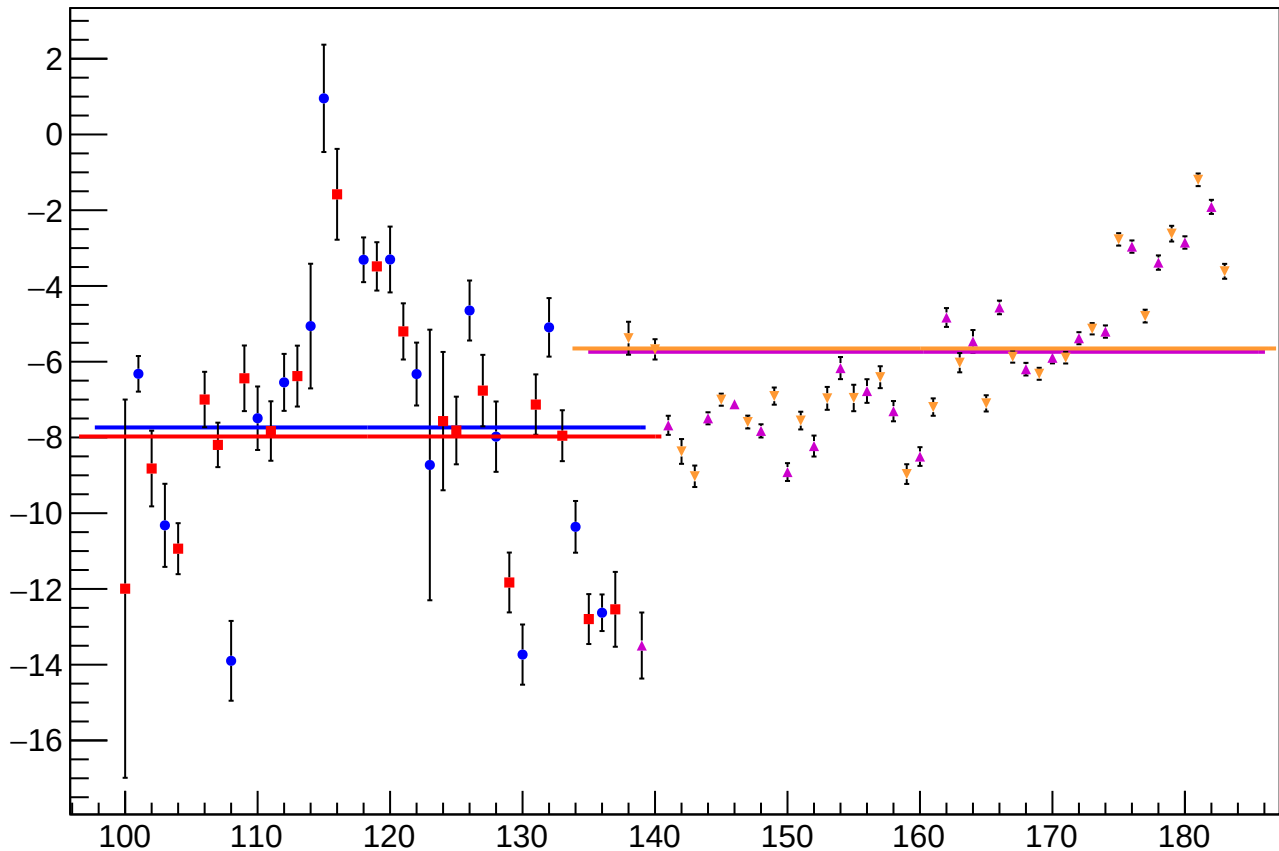
Left In: -23.801+/-0.052 χ^2/NDF : 8981.5/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -24.246+/-0.037 χ^2/NDF : 17527.2/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.736 ± 0.187 χ^2/NDF : 378.1/16

Left Out: -5.651 ± 0.042 χ^2/NDF : 2205.5/23

Right Out: -7.975 ± 0.186 χ^2/NDF : 223.2/18

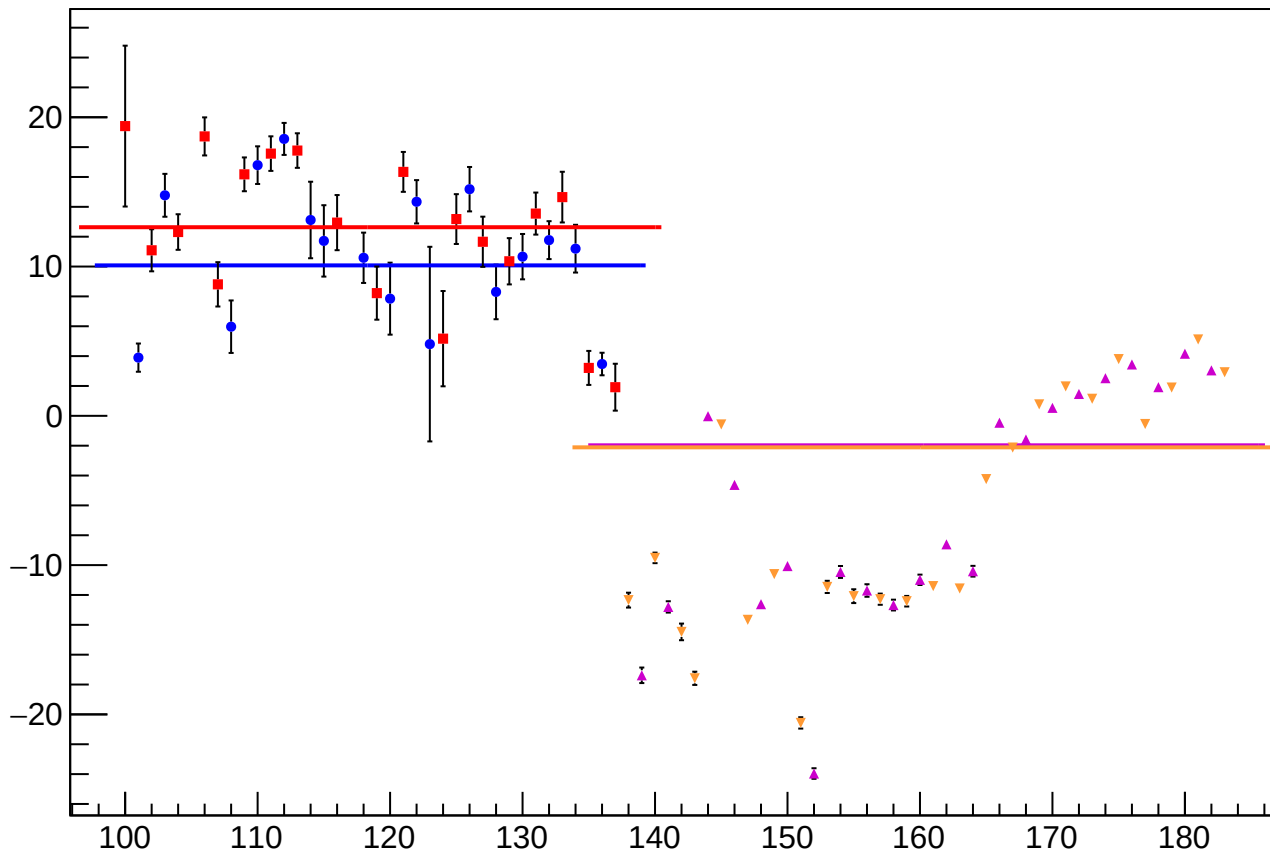
Left In: -5.738 ± 0.041 χ^2/NDF : 2237.0/21

+ sign -5.748 ± 0.041 χ^2/NDF : 2701.5/40

All: -5.796 ± 0.029 χ^2/NDF : 5302.1/81

- sign -5.842 ± 0.040 χ^2/NDF : 2597.9/40

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.078 ± 0.339 χ^2/NDF : 253.6/16

Left Out: -2.112 ± 0.052 χ^2/NDF : 16299.2/23

Right Out: 12.634 ± 0.333 χ^2/NDF : 218.7/18

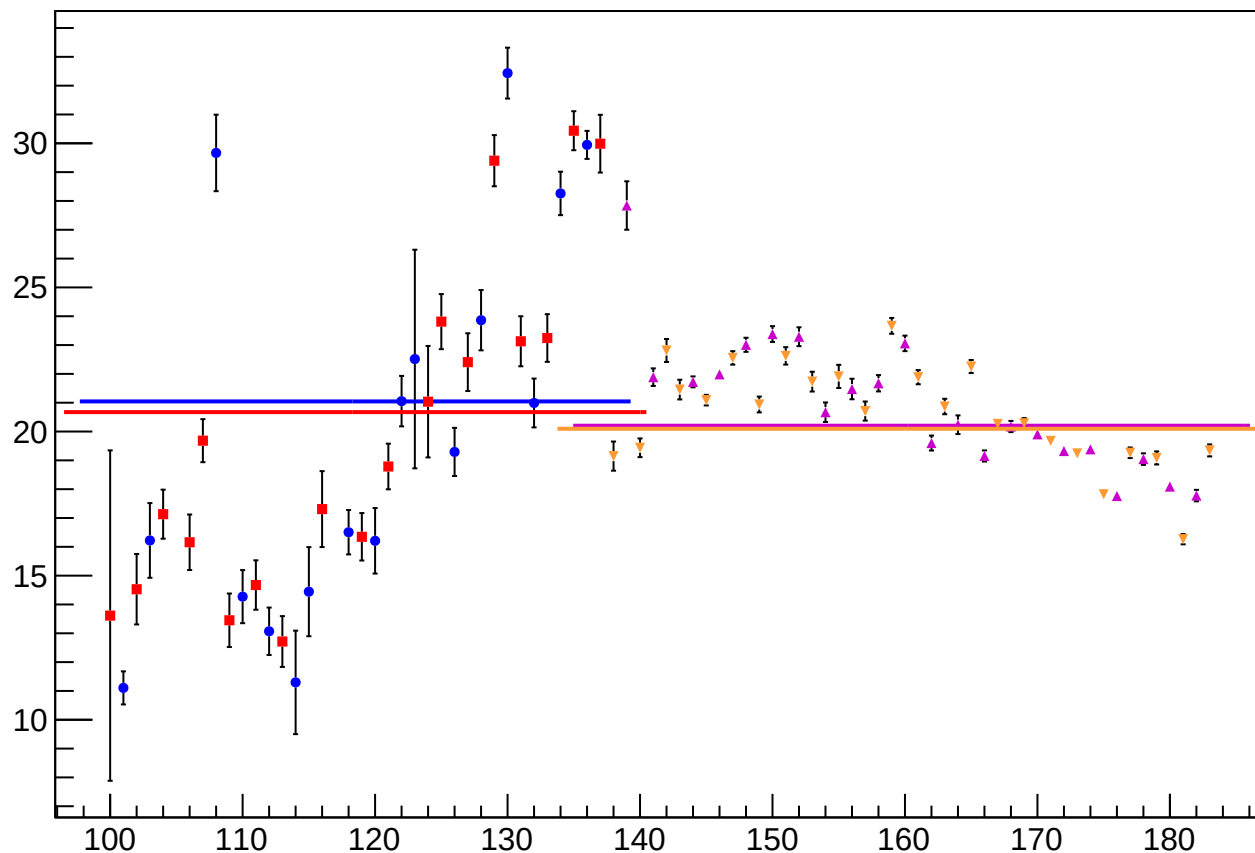
Left In: -1.975 ± 0.052 χ^2/NDF : 15381.9/21

+ sign -1.830 ± 0.051 χ^2/NDF : 17819.4/40

All: -1.730 ± 0.036 χ^2/NDF : 35304.6/81

- sign -1.631 ± 0.051 χ^2/NDF : 17477.6/40

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.045 $\pm$ 0.211 χ^2/NDF : 1209.4/16

Left Out: 20.096 $\pm$ 0.046 χ^2/NDF :1378.1/23

Right Out: 20.674 $\pm$ 0.213 χ^2/NDF : 721.7/18

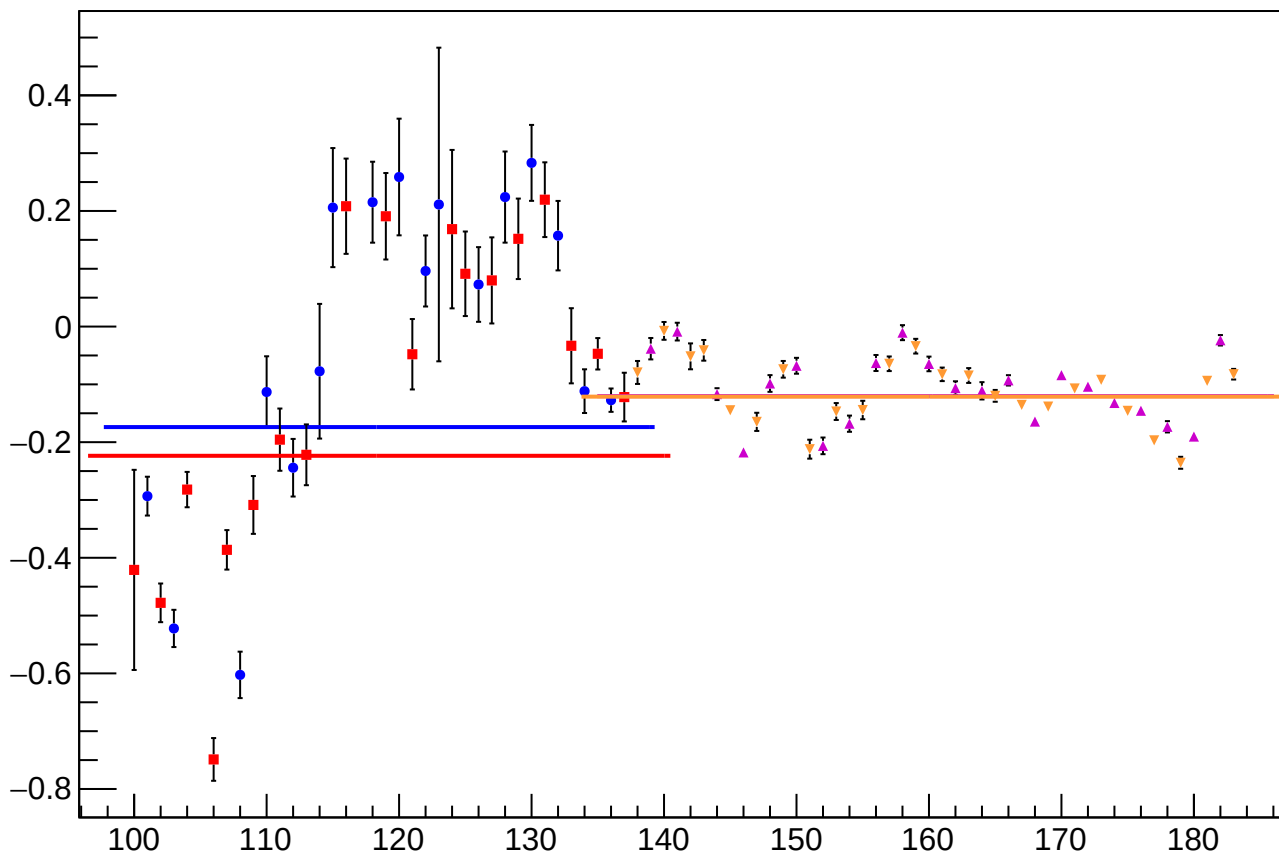
Left In: 20.201 $\pm$ 0.046 χ^2/NDF :1445.7/21

+ sign 20.140 $\pm$ 0.045 χ^2/NDF : 2606.7/40

All: 20.182 $\pm$ 0.032 χ^2/NDF : 4780.5/81

- sign 20.223 $\pm$ 0.045 χ^2/NDF : 2172.1/40

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.174 ± 0.011 χ^2/NDF : 458.2/16

Left Out: -0.121 ± 0.002 χ^2/NDF : 521.1/23

Right Out: -0.224 ± 0.011 χ^2/NDF : 533.0/18

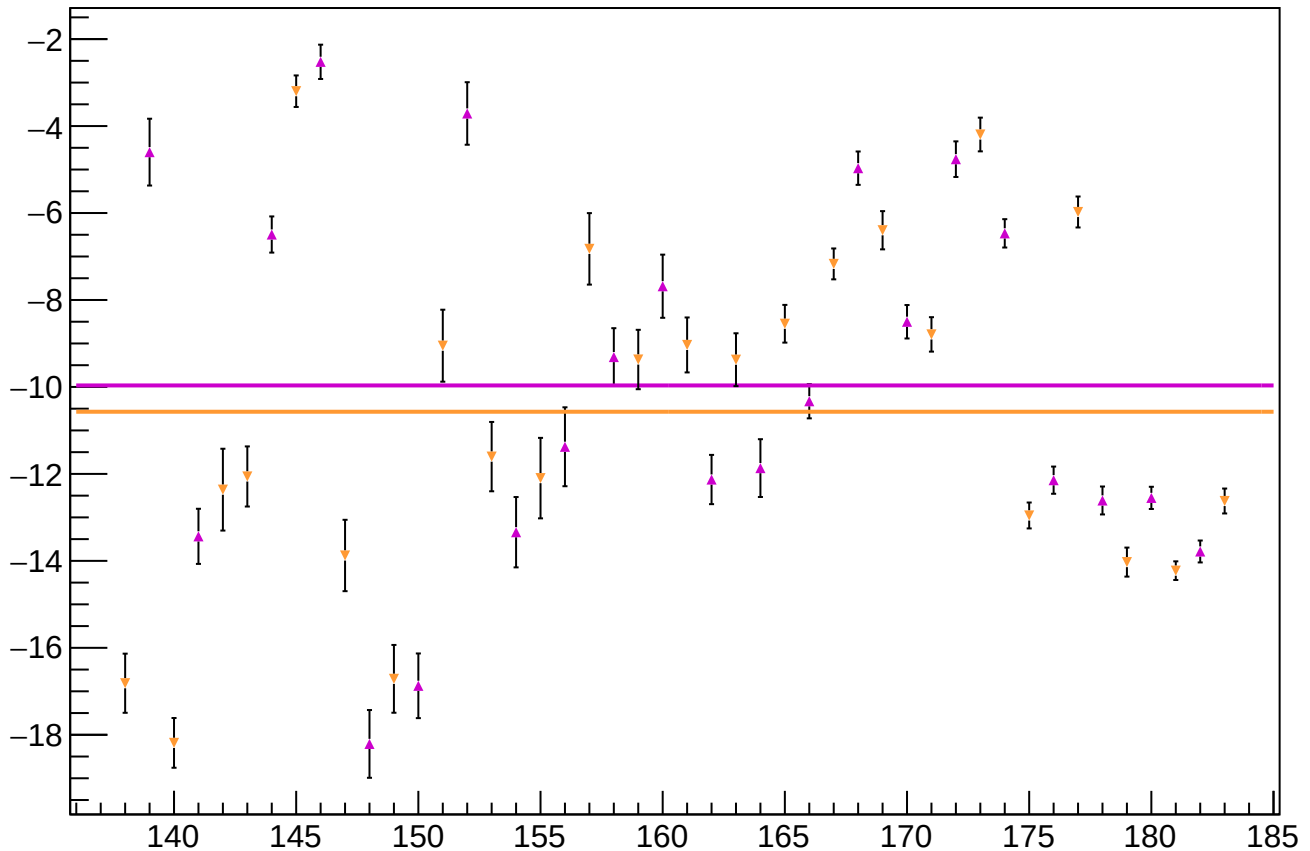
Left In: -0.120 ± 0.002 χ^2/NDF : 682.8/21

+ sign -0.123 ± 0.002 χ^2/NDF : 1000.6/40

All: -0.124 ± 0.001 χ^2/NDF : 2301.8/81

- sign -0.124 ± 0.002 χ^2/NDF : 1301.0/40

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -10.570 $\pm$ 0.089 χ^2/NDF :1976.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

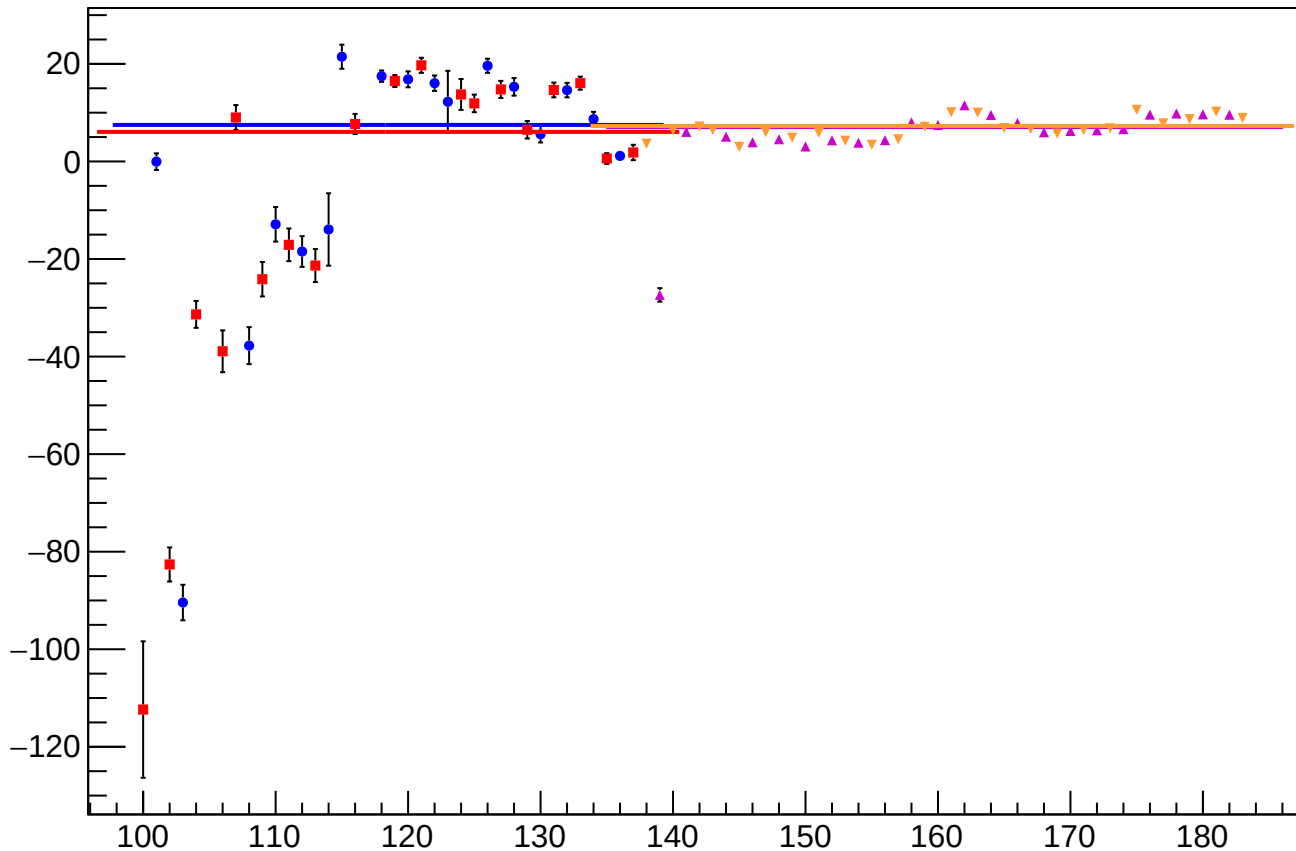
Left In: -9.965 $\pm$ 0.091 χ^2/NDF :1741.7/21

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: -10.274 $\pm$ 0.064 χ^2/NDF : 3741.0/45

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.489 ± 0.407 χ^2/NDF : 1340.6/16

Left Out: 7.283 ± 0.074 χ^2/NDF : 852.1/23

Right Out: 6.061 ± 0.435 χ^2/NDF : 1511.9/18

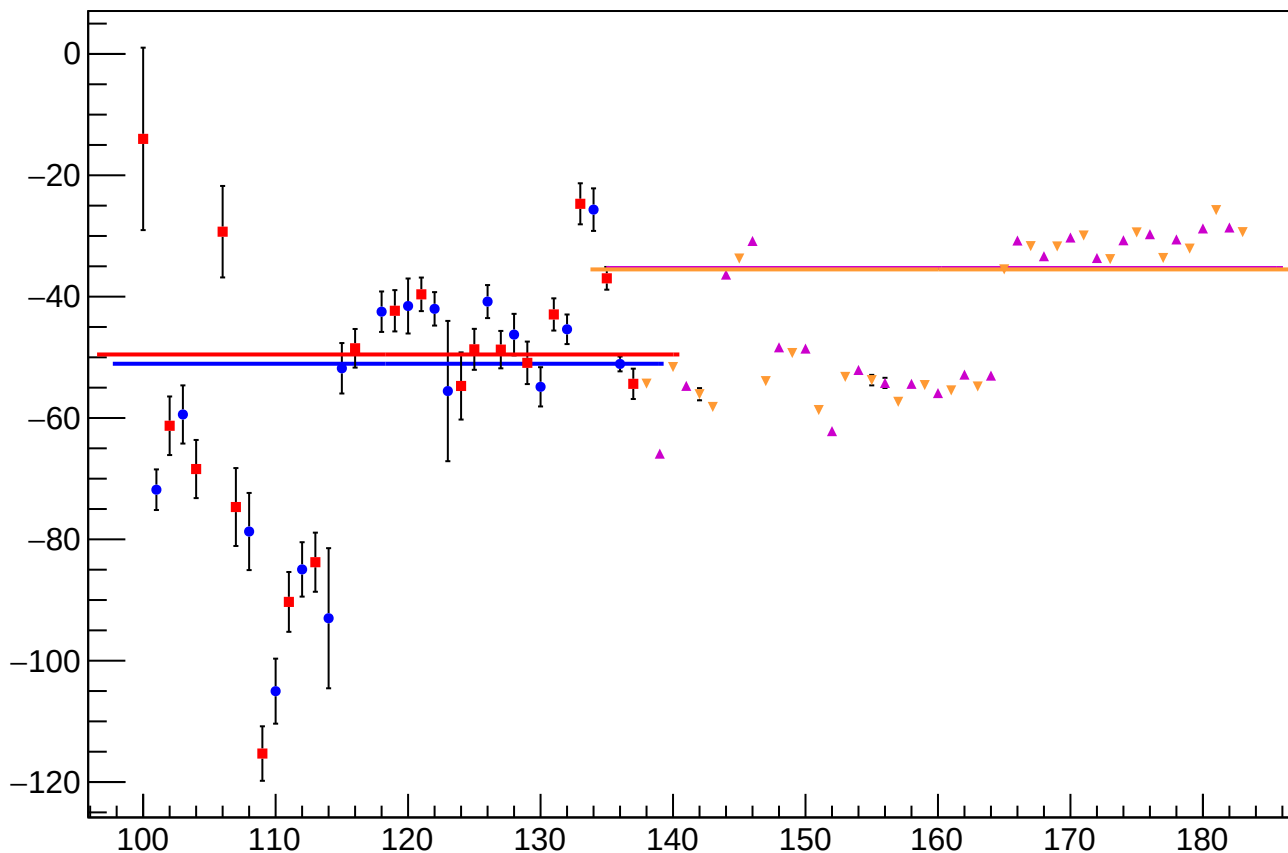
Left In: 7.052 ± 0.075 χ^2/NDF : 1535.8/21

+ sign 7.289 ± 0.073 χ^2/NDF : 2192.9/40

All: 7.158 ± 0.052 χ^2/NDF : 5252.2/81

- sign 7.024 ± 0.074 χ^2/NDF : 3052.8/40

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.060 ± 0.742 χ^2/NDF : 329.6/16

Left Out: -35.511 ± 0.090 χ^2/NDF : 12756.7/23

Right Out: -49.531 ± 0.800 χ^2/NDF : 509.2/18

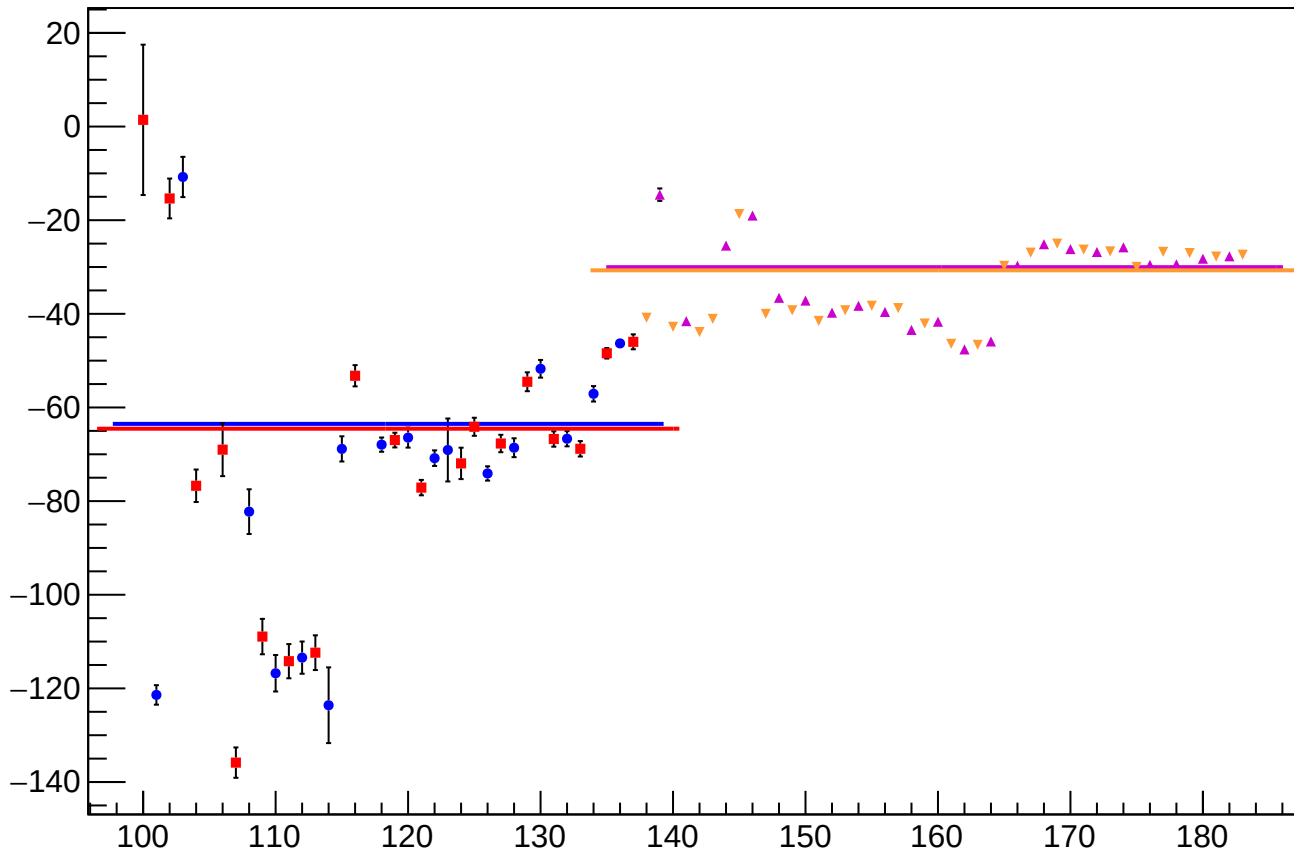
Left In: -35.279 ± 0.092 χ^2/NDF : 11593.8/21

+ sign -35.738 ± 0.090 χ^2/NDF : 13519.3/40

All: -35.603 ± 0.064 χ^2/NDF : 25940.2/81

- sign -35.463 ± 0.091 χ^2/NDF : 12416.3/40

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.501 ± 0.449 χ^2/NDF : 2006.3/16

Left Out: -30.707 ± 0.083 χ^2/NDF : 7823.1/23

Right Out: -64.533 ± 0.484 χ^2/NDF : 1604.2/18

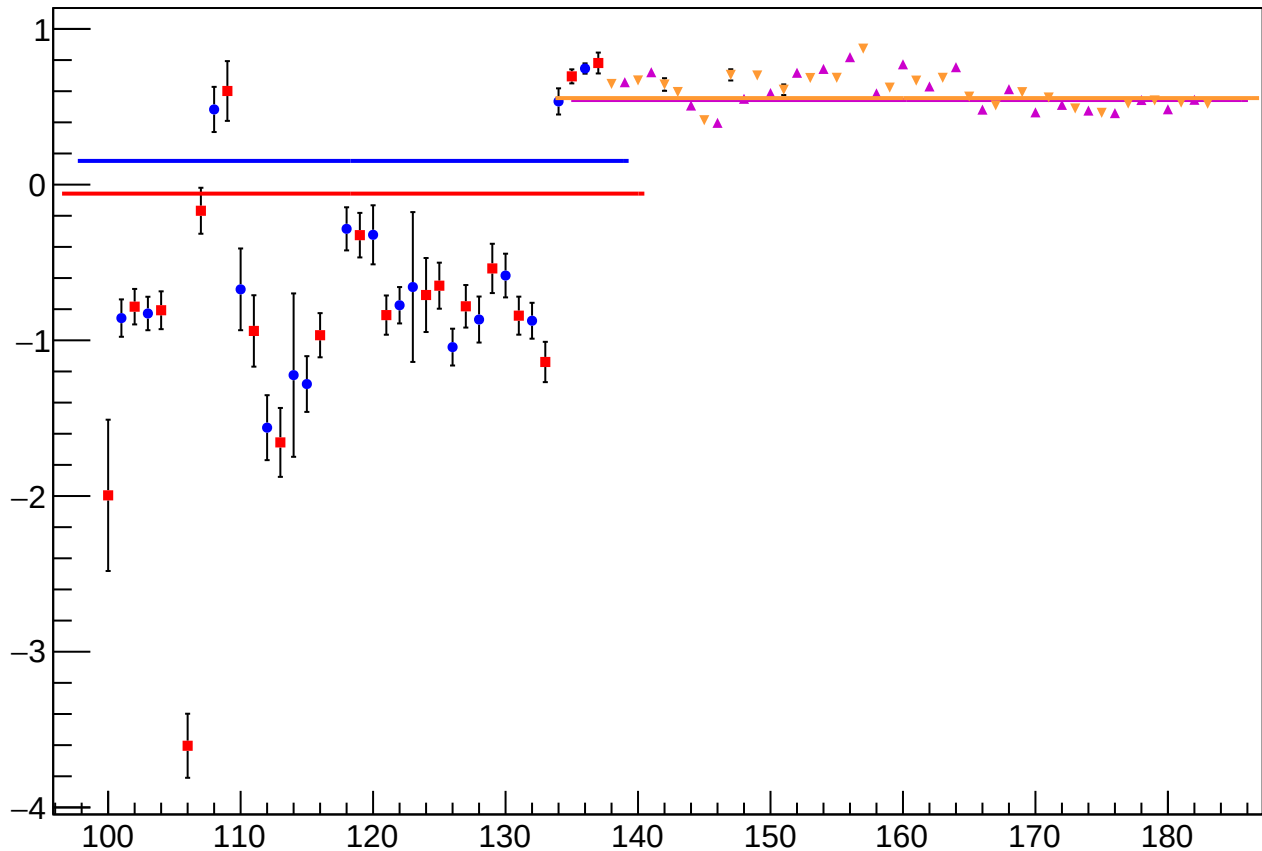
Left In: -30.032 ± 0.084 χ^2/NDF : 7009.6/21

+ sign -31.782 ± 0.081 χ^2/NDF : 14984.0/40

All: -31.414 ± 0.058 χ^2/NDF : 28576.4/81

- sign -31.035 ± 0.082 χ^2/NDF : 13550.8/40

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

Left Out: 0.556 $\pm$ 0.004 χ^2 /NDF: 526.4/23

Right Out: -0.058 $\pm$ 0.026 χ^2 /NDF: 1160.4/18

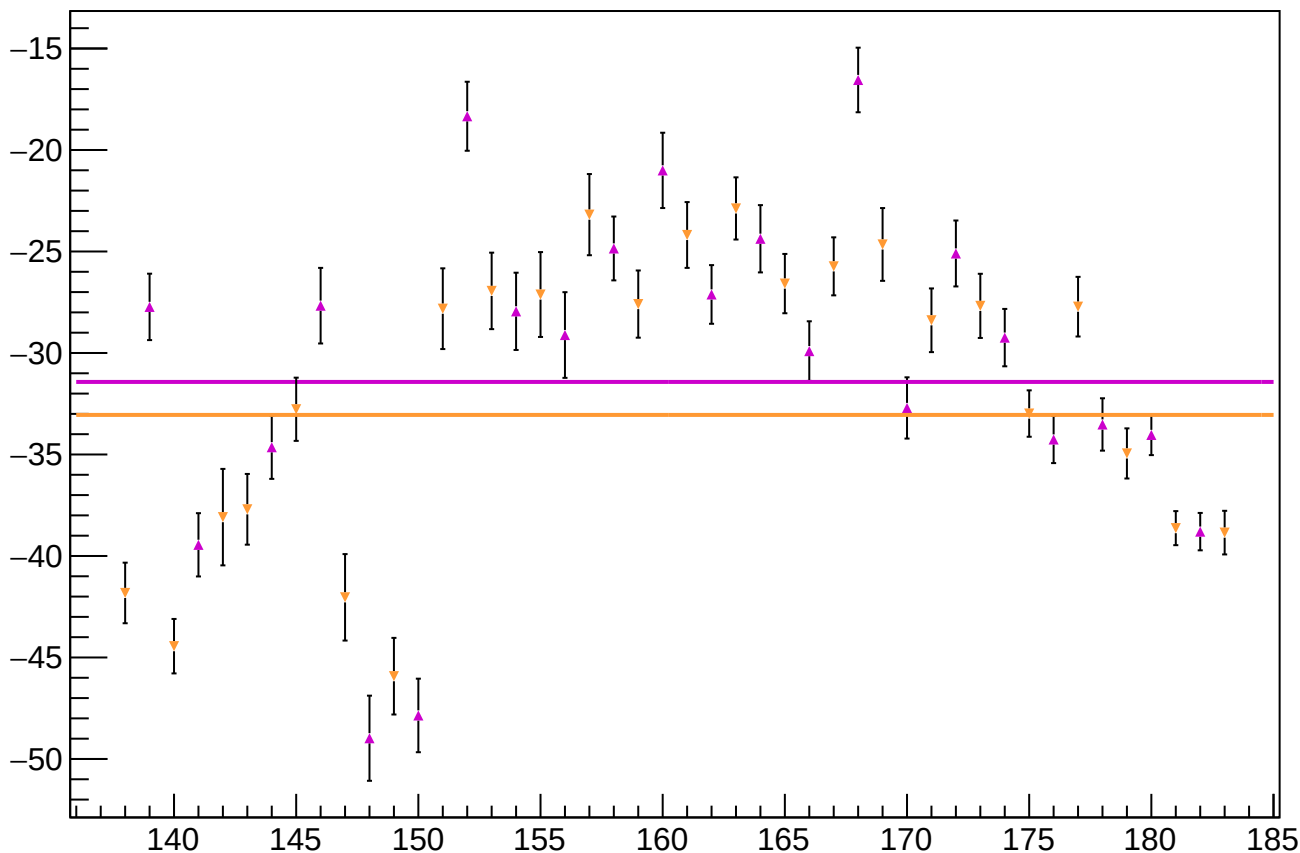
Left In: 0.543 $\pm$ 0.004 χ^2 /NDF: 655.6/21

+ sign 0.546 $\pm$ 0.004 χ^2 /NDF: 1788.3/40

All: 0.539 $\pm$ 0.003 χ^2 /NDF: 4123.2/81

- sign 0.531 $\pm$ 0.004 χ^2 /NDF: 2326.8/40

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : $0.0/0$

Left Out: -33.050 ± 0.303 χ^2/NDF : $494.4/23$

Right Out: 0.000 ± 0.000 χ^2/NDF : $0.0/0$

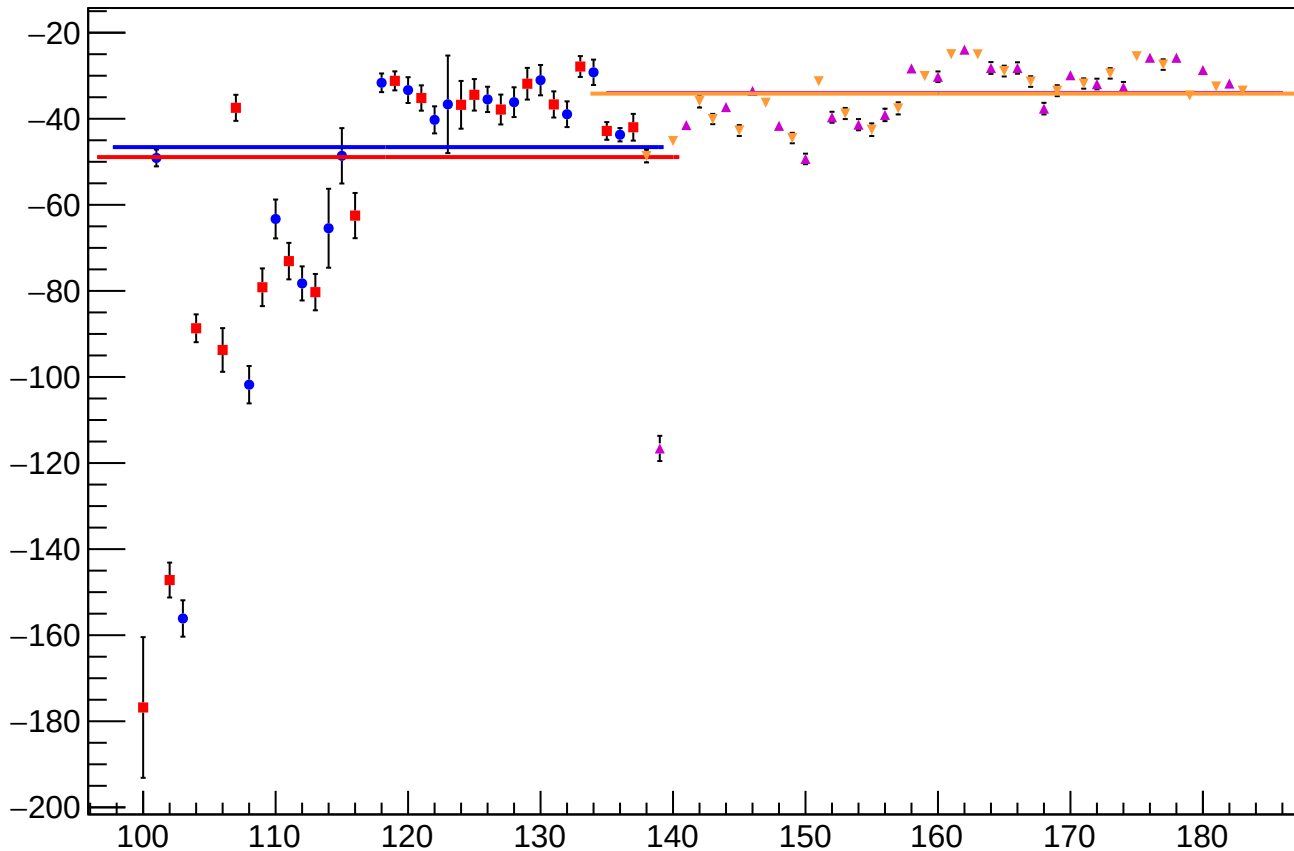
Left In: -31.426 ± 0.315 χ^2/NDF : $518.4/21$

+ sign 0.000 ± 0.000 χ^2/NDF : $0.0/0$

All: -32.267 ± 0.218 χ^2/NDF : $1026.6/45$

- sign 0.000 ± 0.000 χ^2/NDF : $0.0/0$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.587 ± 0.730 χ^2/NDF : 1076.0/16

Left Out: -34.158 ± 0.244 χ^2/NDF : 679.4/23

Right Out: -48.904 ± 0.764 χ^2/NDF : 1277.6/18

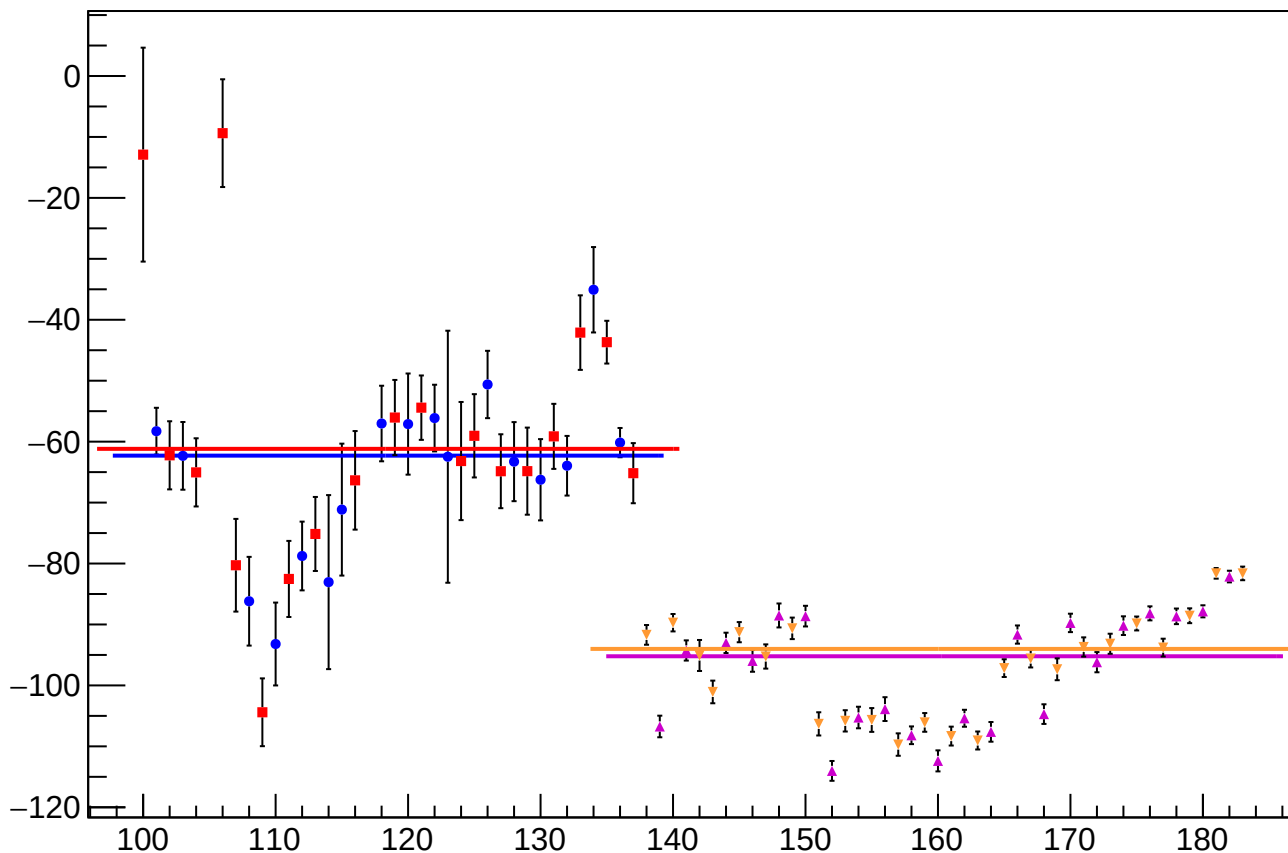
Left In: -34.011 ± 0.254 χ^2/NDF : 1441.0/21

+ sign -35.402 ± 0.231 χ^2/NDF : 2015.9/40

All: -35.445 ± 0.167 χ^2/NDF : 5076.5/81

- sign -35.490 ± 0.241 χ^2/NDF : 3060.5/40

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.294 ± 1.317 χ^2/NDF : 67.1/16

Left Out: -94.009 ± 0.305 χ^2/NDF : 847.3/23

Right Out: -61.180 ± 1.383 χ^2/NDF : 165.0/18

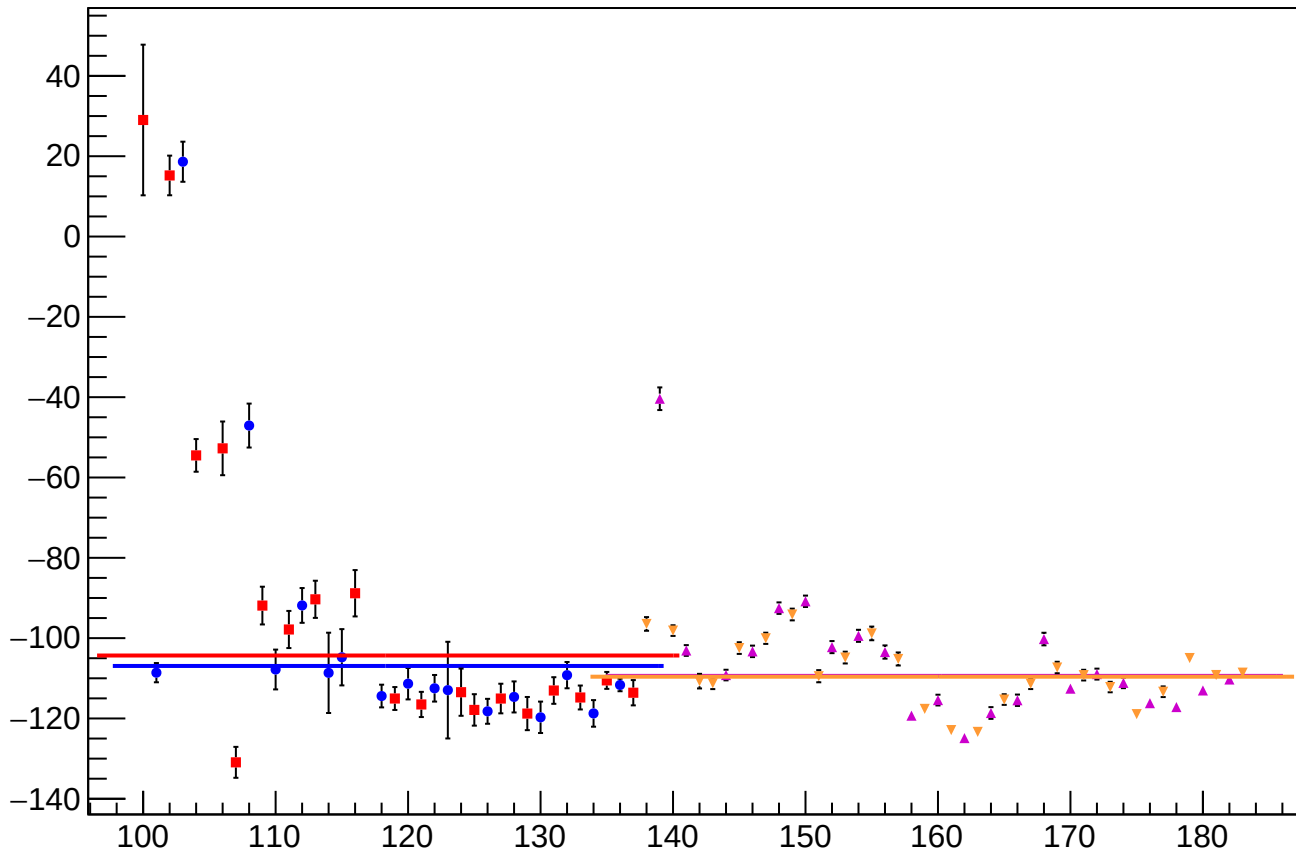
Left In: -95.217 ± 0.314 χ^2/NDF : 918.9/21

+ sign -92.398 ± 0.297 χ^2/NDF : 1464.7/40

All: -92.959 ± 0.213 χ^2/NDF : 3132.0/81

- sign -93.553 ± 0.306 χ^2/NDF : 1660.0/40

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.926 ± 0.818 χ^2/NDF : 826.7/16

Left Out: -109.600 ± 0.274 χ^2/NDF : 783.5/23

Right Out: -104.324 ± 0.863 χ^2/NDF : 1020.5/18

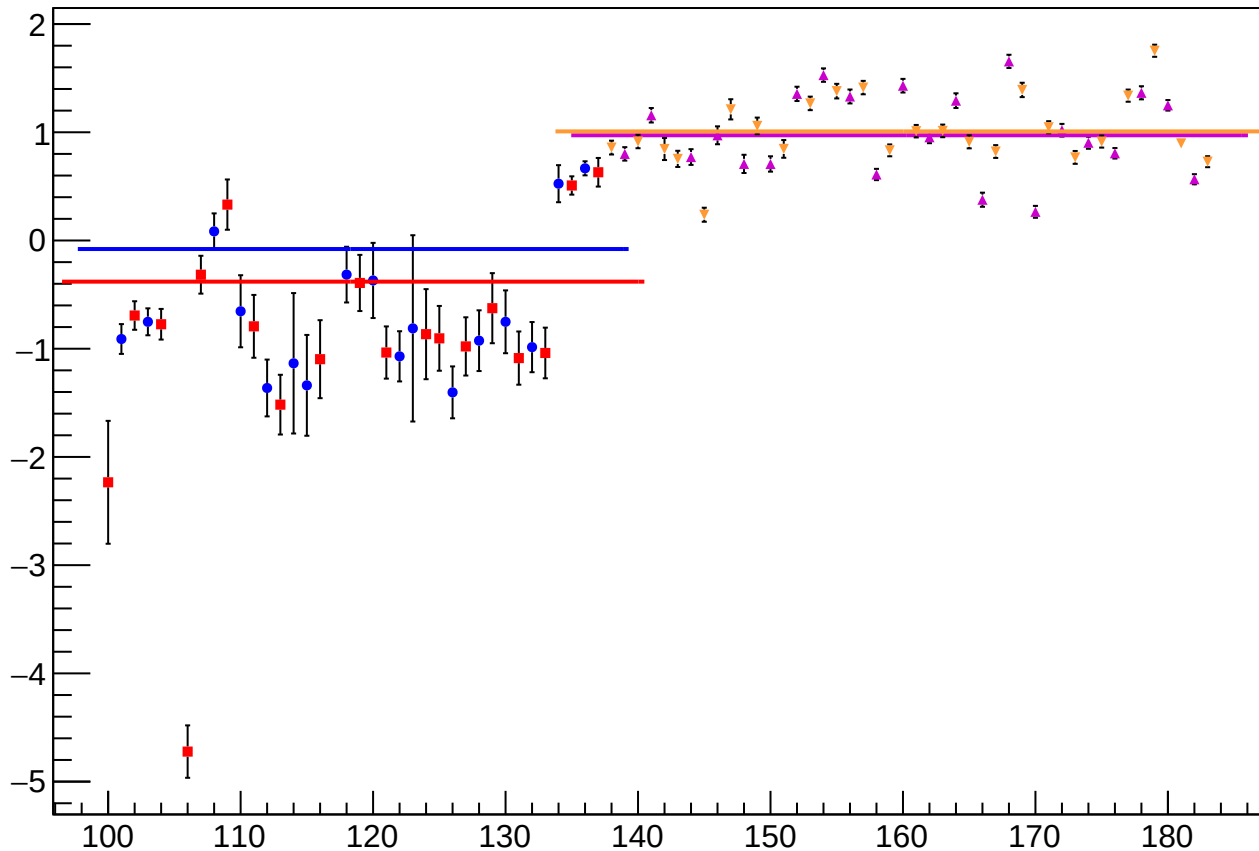
Left In: -109.397 ± 0.284 χ^2/NDF : 1479.3/21

+ sign -109.331 ± 0.260 χ^2/NDF : 1619.8/40

All: -109.125 ± 0.187 χ^2/NDF : 4152.1/81

- sign -108.903 ± 0.269 χ^2/NDF : 2531.0/40

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.6/16

Left Out: 1.008 ± 0.013 χ^2/NDF : 584.1/23

Right Out: -0.380 ± 0.044 χ^2/NDF : 580.2/18

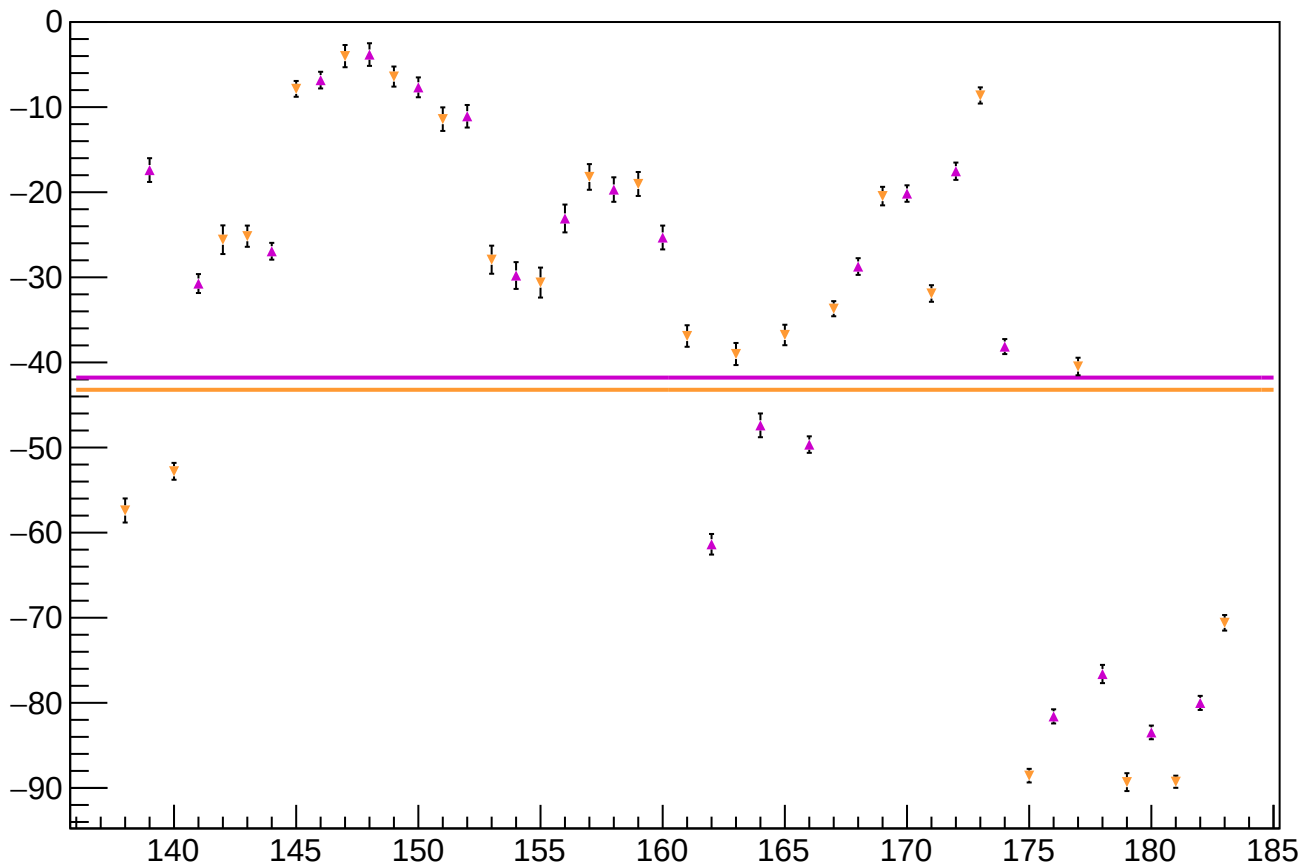
Left In: 0.972 ± 0.013 χ^2/NDF : 850.7/21

+ sign 0.920 ± 0.012 χ^2/NDF : 1519.5/40

All: 0.894 ± 0.009 χ^2/NDF : 3828.8/81

- sign 0.866 ± 0.012 χ^2/NDF : 2299.7/40

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -43.215+/-0.224 χ^2/NDF :17340.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

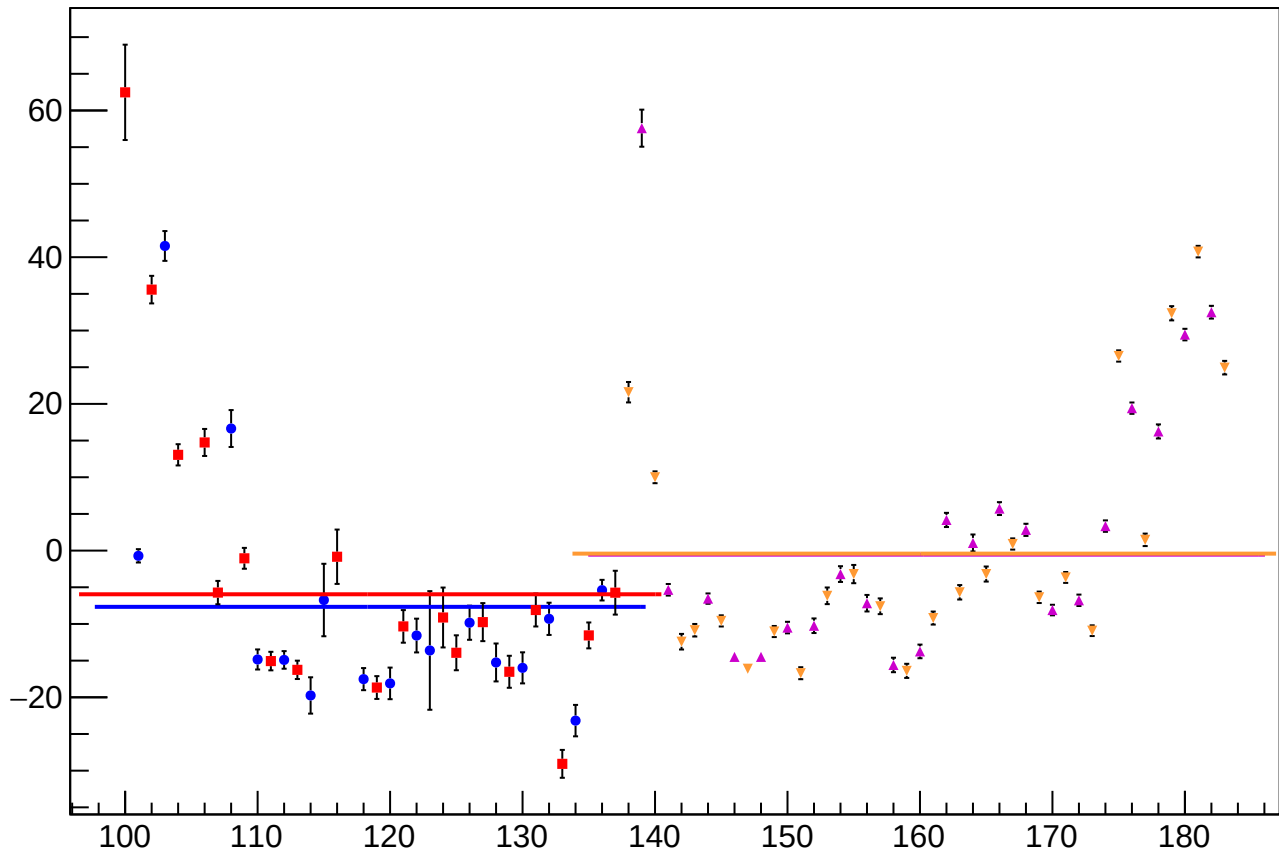
Left In: -41.783+/-0.230 χ^2/NDF :14444.1/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -42.516+/-0.160 χ^2/NDF : 31804.8/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.668 ± 0.431 χ^2/NDF : 975.9/16

Left Out: -0.413 ± 0.176 χ^2/NDF : 8687.6/23

Right Out: -5.954 ± 0.429 χ^2/NDF : 1298.5/18

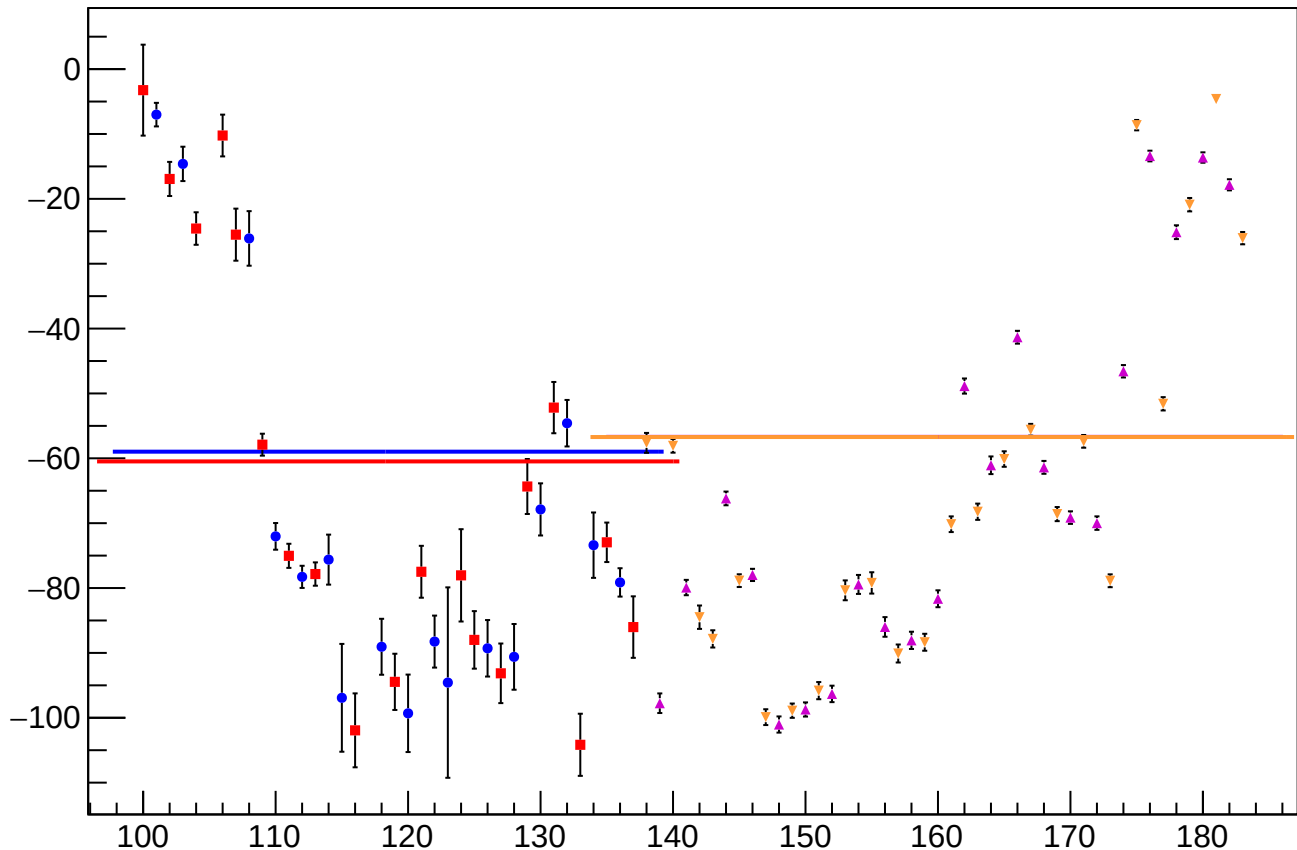
Left In: -0.554 ± 0.180 χ^2/NDF : 6493.7/21

+ sign -1.447 ± 0.163 χ^2/NDF : 9906.8/40

All: -1.407 ± 0.116 χ^2/NDF : 17833.6/81

- sign -1.365 ± 0.166 χ^2/NDF : 7926.7/40

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -58.976 ± 0.747 $\chi^2/\text{NDF}: 1707.7/16$

Left Out: -56.720 ± 0.225 $\chi^2/\text{NDF}: 18104.6/23$

Right Out: -60.479 ± 0.705 $\chi^2/\text{NDF}: 1384.2/18$

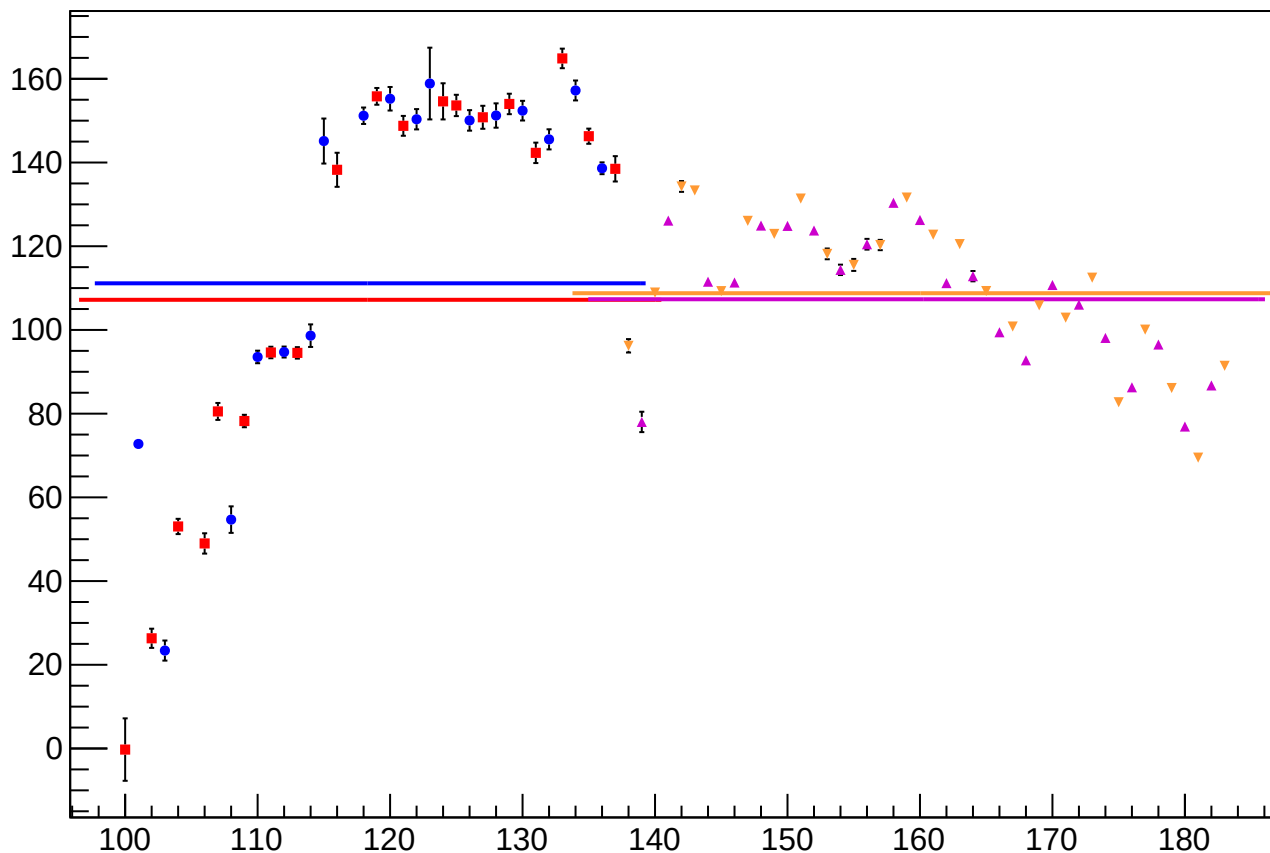
Left In: -56.692 ± 0.229 $\chi^2/\text{NDF}: 16324.6/21$

+ sign -56.908 ± 0.216 $\chi^2/\text{NDF}: 19820.6/40$

All: -56.981 ± 0.153 $\chi^2/\text{NDF}: 37555.6/81$

- sign -57.055 ± 0.218 $\chi^2/\text{NDF}: 17734.8/40$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.139 $\pm$ 0.490 χ^2 /NDF: 5863.6/16

Left Out: 108.775 $\pm$ 0.199 χ^2 /NDF: 7393.0/23

Right Out: 107.202 $\pm$ 0.488 χ^2 /NDF: 7042.9/18

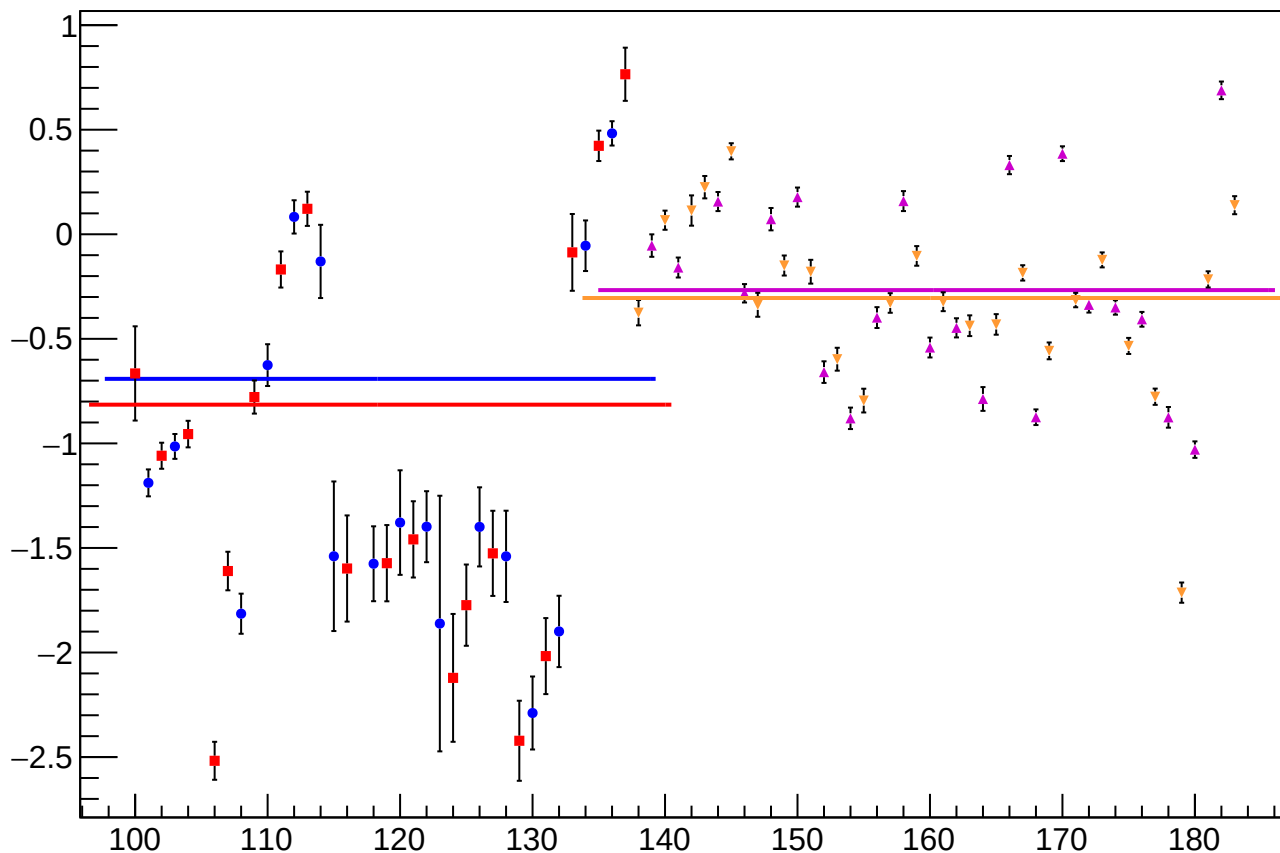
Left In: 107.328 $\pm$ 0.204 χ^2 /NDF: 5548.9/21

+ sign 109.110 $\pm$ 0.184 χ^2 /NDF: 13276.6/40

All: 108.228 $\pm$ 0.132 χ^2 /NDF: 25915.2/81

- sign 107.309 $\pm$ 0.188 χ^2 /NDF: 12591.9/40

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 988.9/16

Left Out: -0.305 ± 0.009 χ^2/NDF : 1898.6/23

Right Out: -0.815 ± 0.024 χ^2/NDF : 1302.6/18

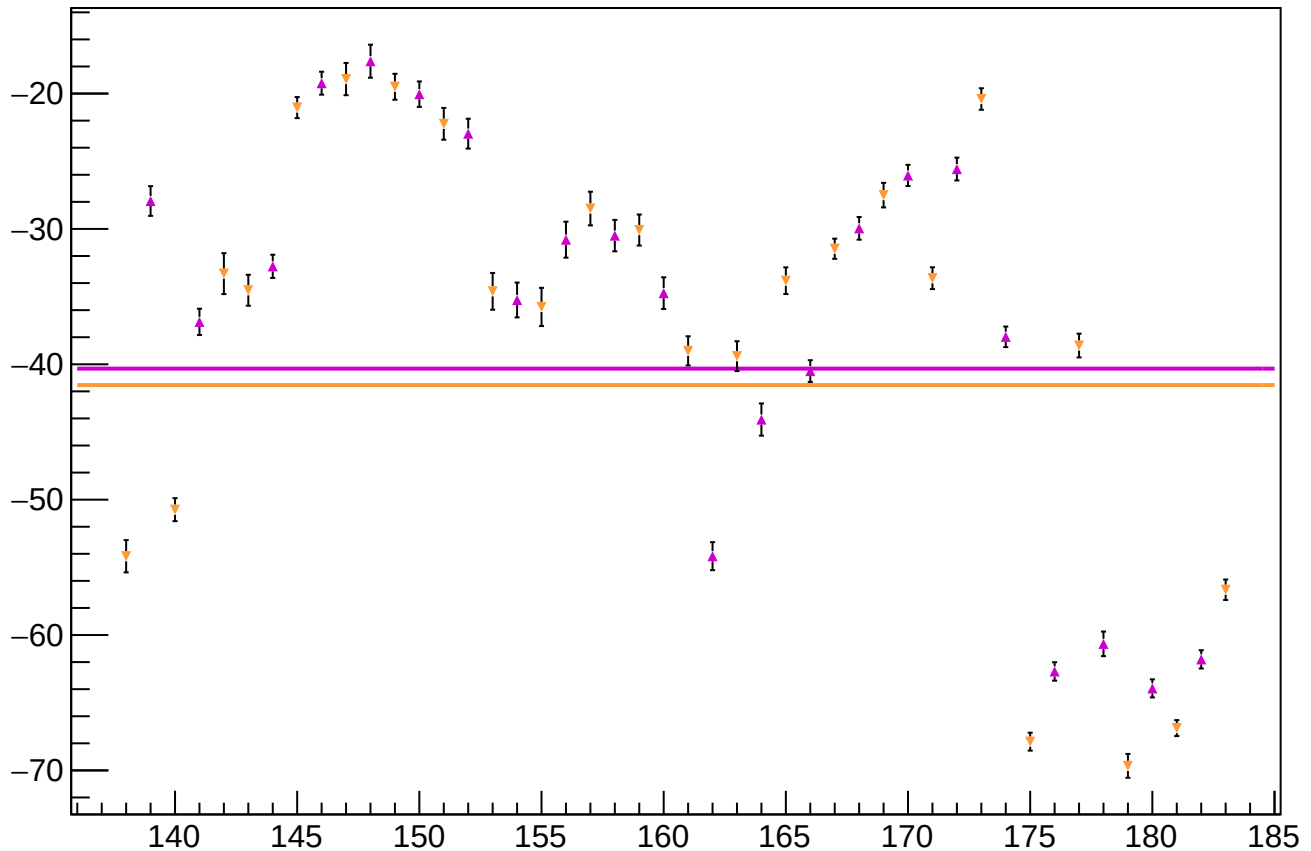
Left In: -0.267 ± 0.009 χ^2/NDF : 2519.2/21

+ sign -0.348 ± 0.009 χ^2/NDF : 3086.1/40

All: -0.343 ± 0.006 χ^2/NDF : 7349.0/81

- sign -0.337 ± 0.009 χ^2/NDF : 4262.1/40

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -41.536+/-0.188 χ^2/NDF : 8553.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

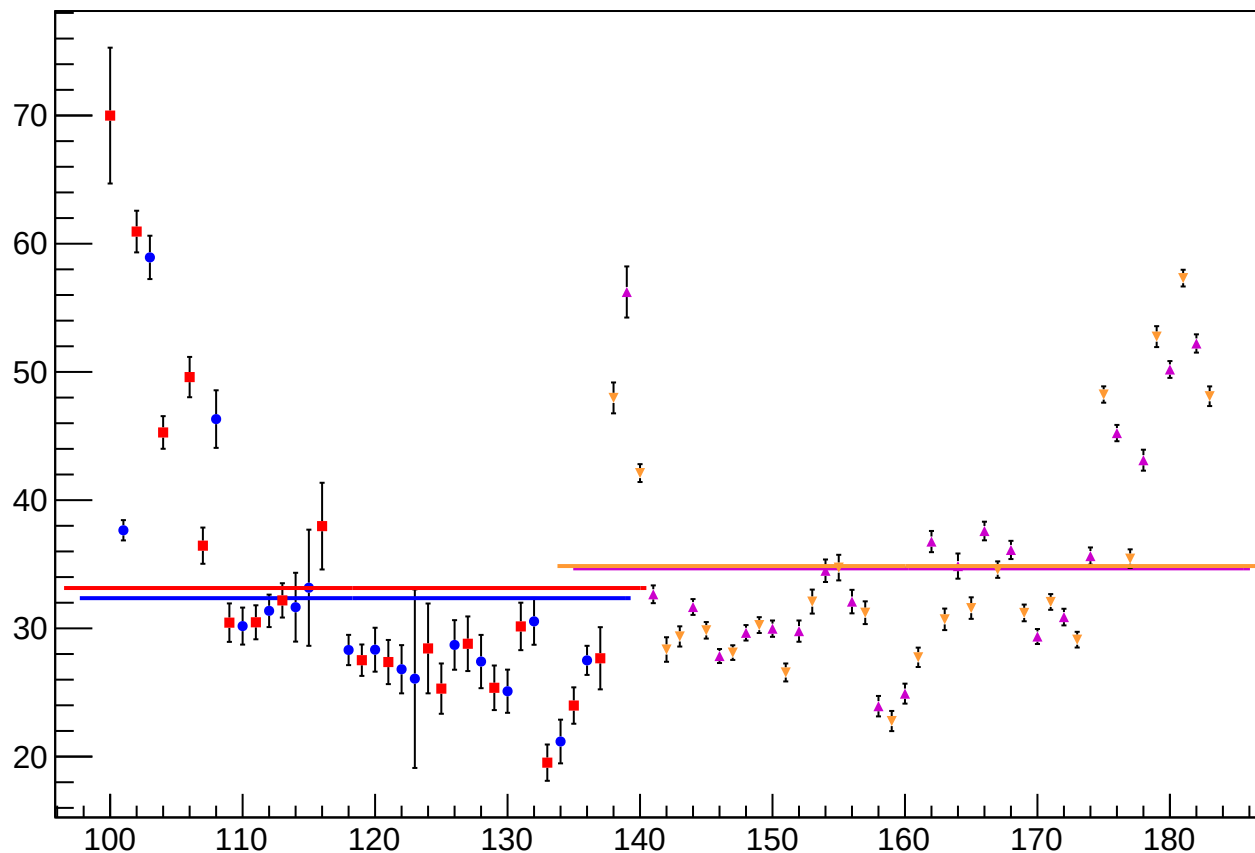
Left In: -40.319+/-0.192 χ^2/NDF : 6883.8/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.940+/-0.134 χ^2/NDF : 15457.6/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.356 $\pm$ 0.376 χ^2 /NDF: 450.5/16

Left Out: 34.860 $\pm$ 0.149 χ^2 /NDF: 3654.6/23

Right Out: 33.147 $\pm$ 0.379 χ^2 /NDF: 773.3/18

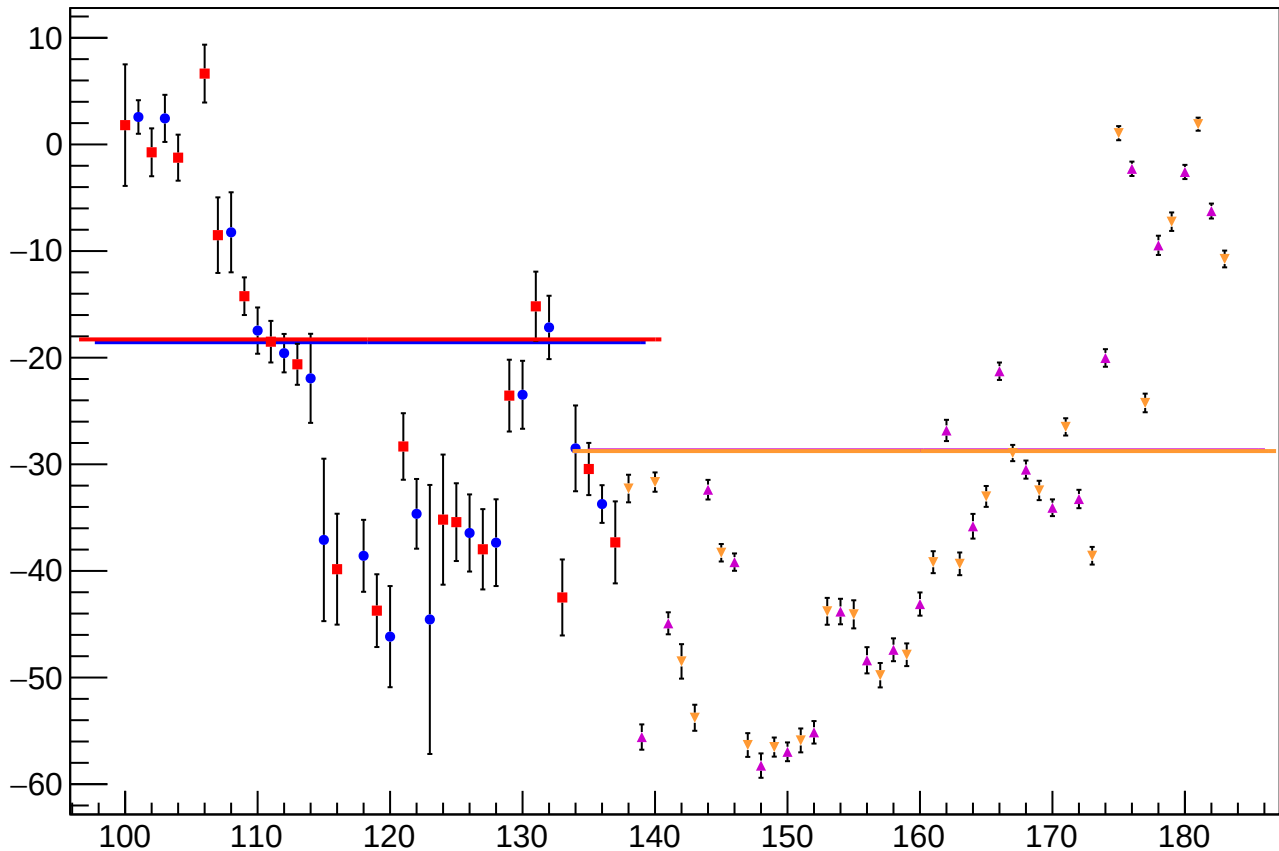
Left In: 34.679 $\pm$ 0.153 χ^2 /NDF: 2506.2/21

+ sign 34.522 $\pm$ 0.138 χ^2 /NDF: 4143.5/40

All: 34.494 $\pm$ 0.099 χ^2 /NDF: 7437.1/81

- sign 34.465 $\pm$ 0.142 χ^2 /NDF: 3293.5/40

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.549 ± 0.669 χ^2/NDF : 511.1/16

Left Out: -28.758 ± 0.189 χ^2/NDF : 9891.5/23

Right Out: -18.286 ± 0.645 χ^2/NDF : 473.5/18

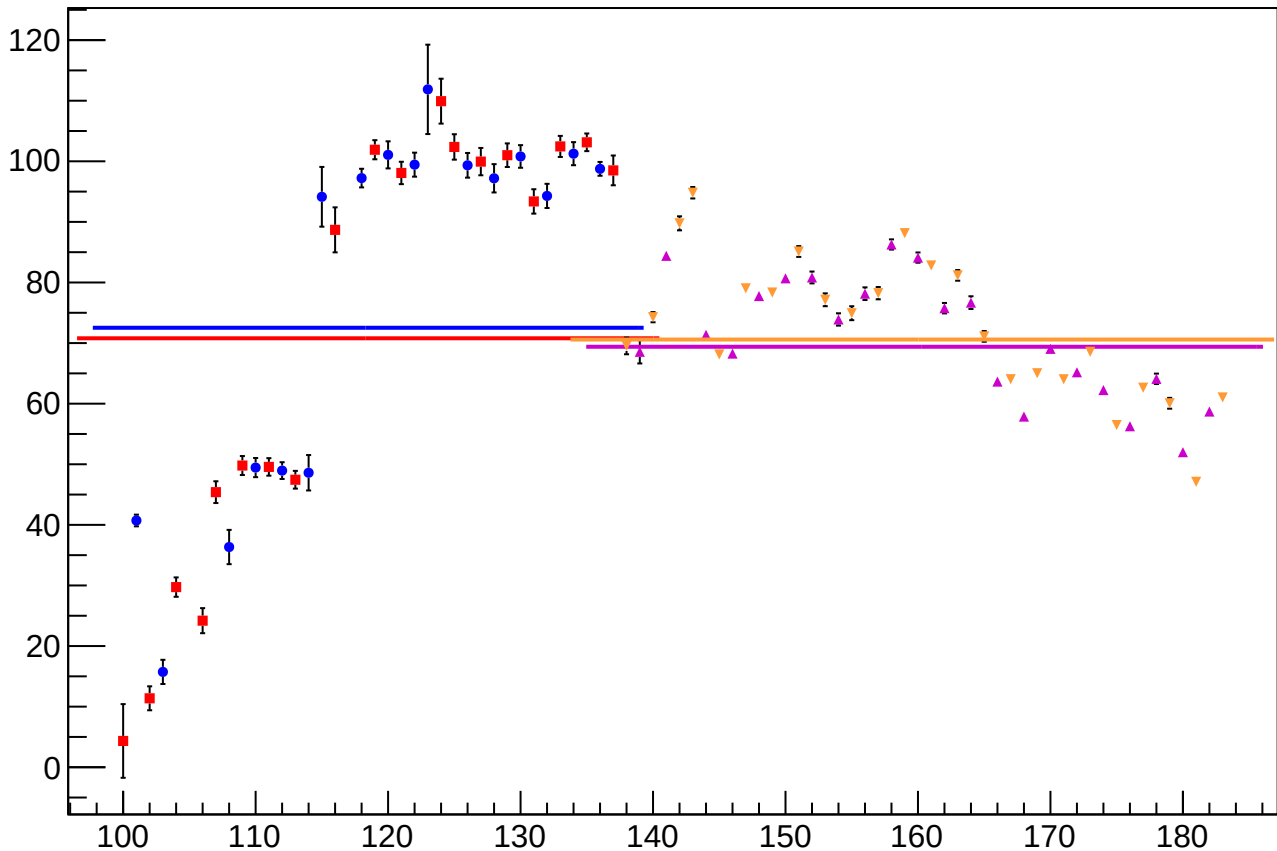
Left In: -28.692 ± 0.192 χ^2/NDF : 9033.6/21

+ sign -28.004 ± 0.182 χ^2/NDF : 10618.5/40

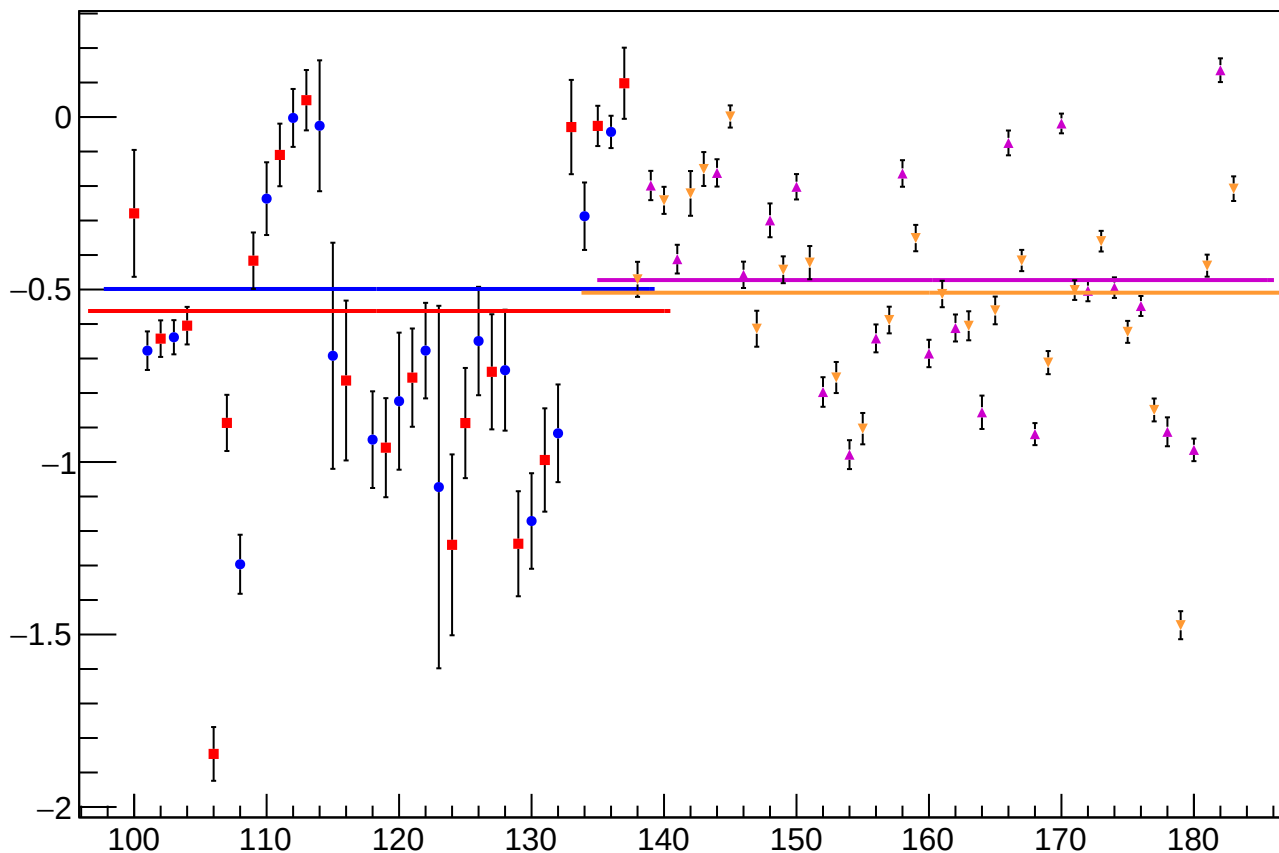
All: -27.925 ± 0.129 χ^2/NDF : 20365.4/81

- sign -27.845 ± 0.184 χ^2/NDF : 9746.5/40

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.1/16

Left Out: -0.509 ± 0.008 χ^2/NDF : 1344.6/23

Right Out: -0.562 ± 0.021 χ^2/NDF : 560.3/18

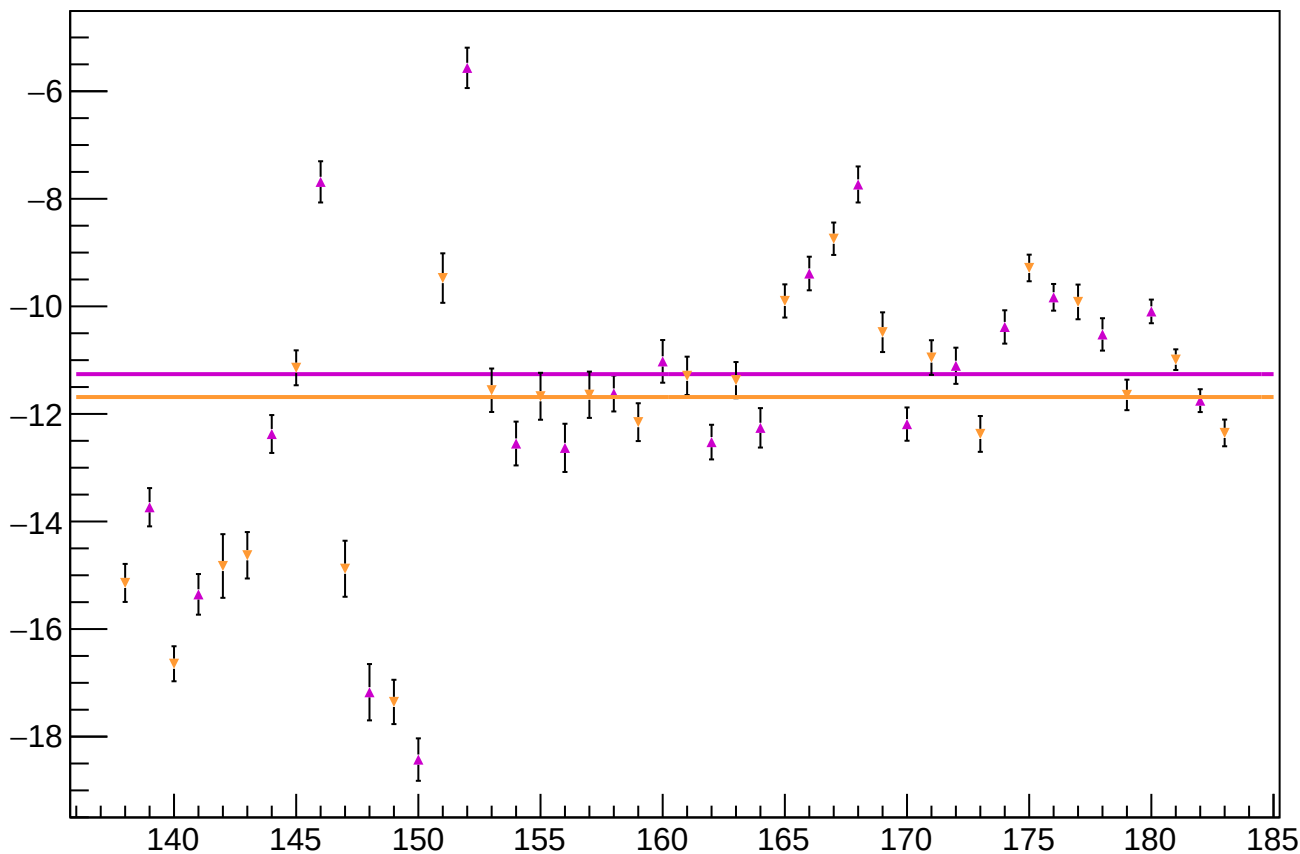
Left In: -0.473 ± 0.008 χ^2/NDF : 1787.4/21

+ sign -0.508 ± 0.007 χ^2/NDF : 1647.0/40

All: -0.496 ± 0.005 χ^2/NDF : 4016.0/81

- sign -0.483 ± 0.007 χ^2/NDF : 2363.2/40

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -11.686 ± 0.067 χ^2/NDF : 952.9/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

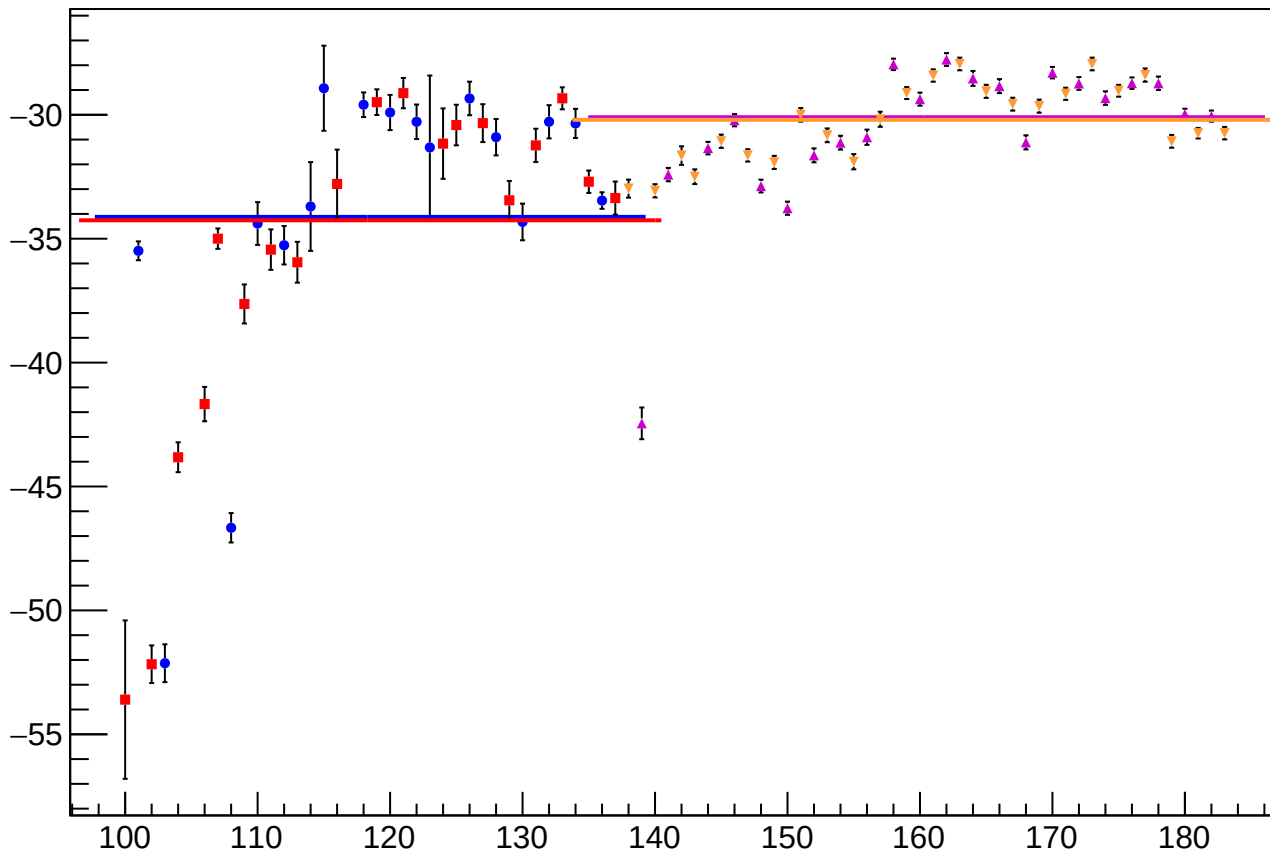
Left In: -11.260 ± 0.069 χ^2/NDF : 1230.6/21

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -11.479 ± 0.048 χ^2/NDF : 2203.0/45

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.120 ± 0.152 $\chi^2/\text{NDF}: 1324.4/16$

Left Out: -30.204 ± 0.054 $\chi^2/\text{NDF}: 732.6/23$

Right Out: -34.258 ± 0.151 $\chi^2/\text{NDF}: 1356.1/18$

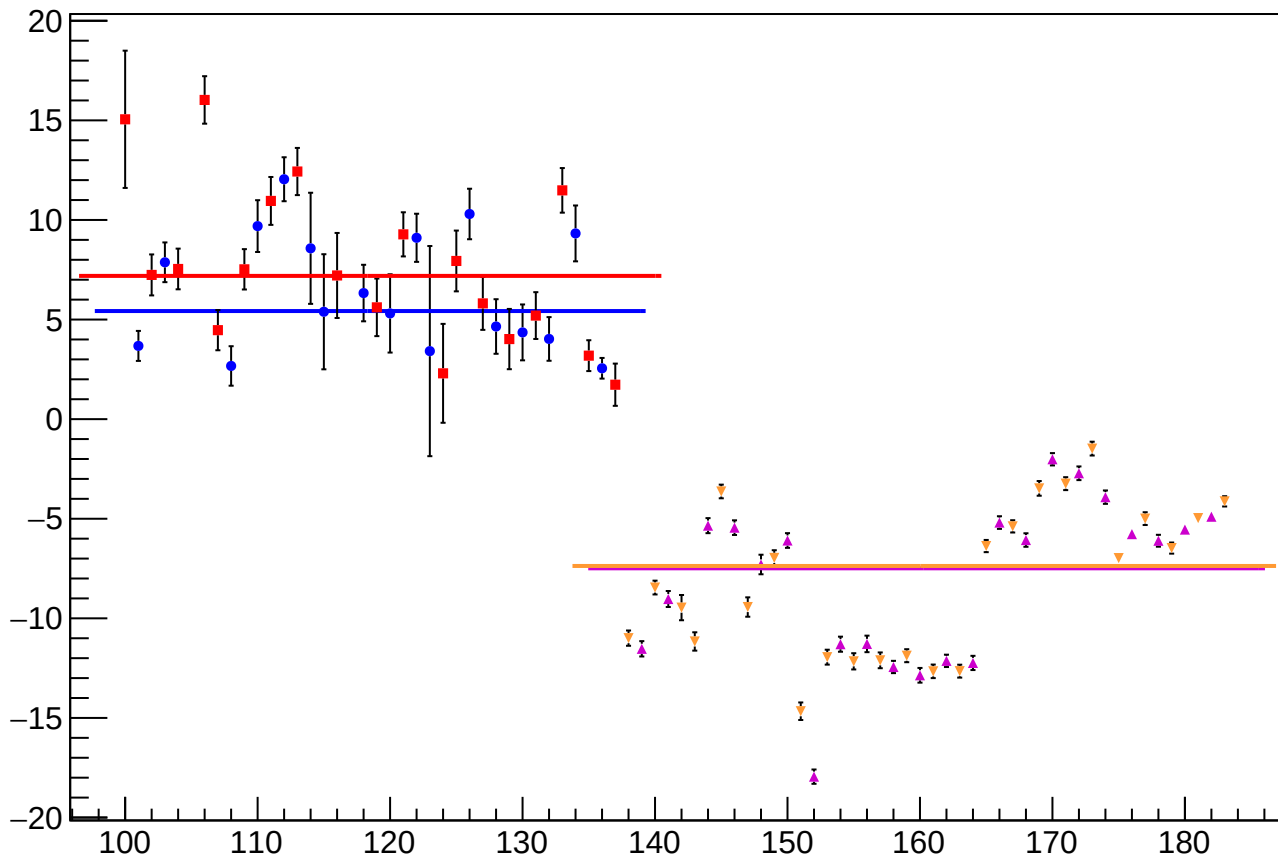
Left In: -30.098 ± 0.056 $\chi^2/\text{NDF}: 1216.2/21$

+ sign -30.647 ± 0.051 $\chi^2/\text{NDF}: 2645.9/40$

All: -30.626 ± 0.037 $\chi^2/\text{NDF}: 5885.5/81$

- sign -30.603 ± 0.053 $\chi^2/\text{NDF}: 3239.3/40$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.427 ± 0.271 χ^2/NDF : 132.7/16

Left Out: -7.371 ± 0.068 χ^2/NDF : 2702.9/23

Right Out: 7.192 ± 0.275 χ^2/NDF : 182.2/18

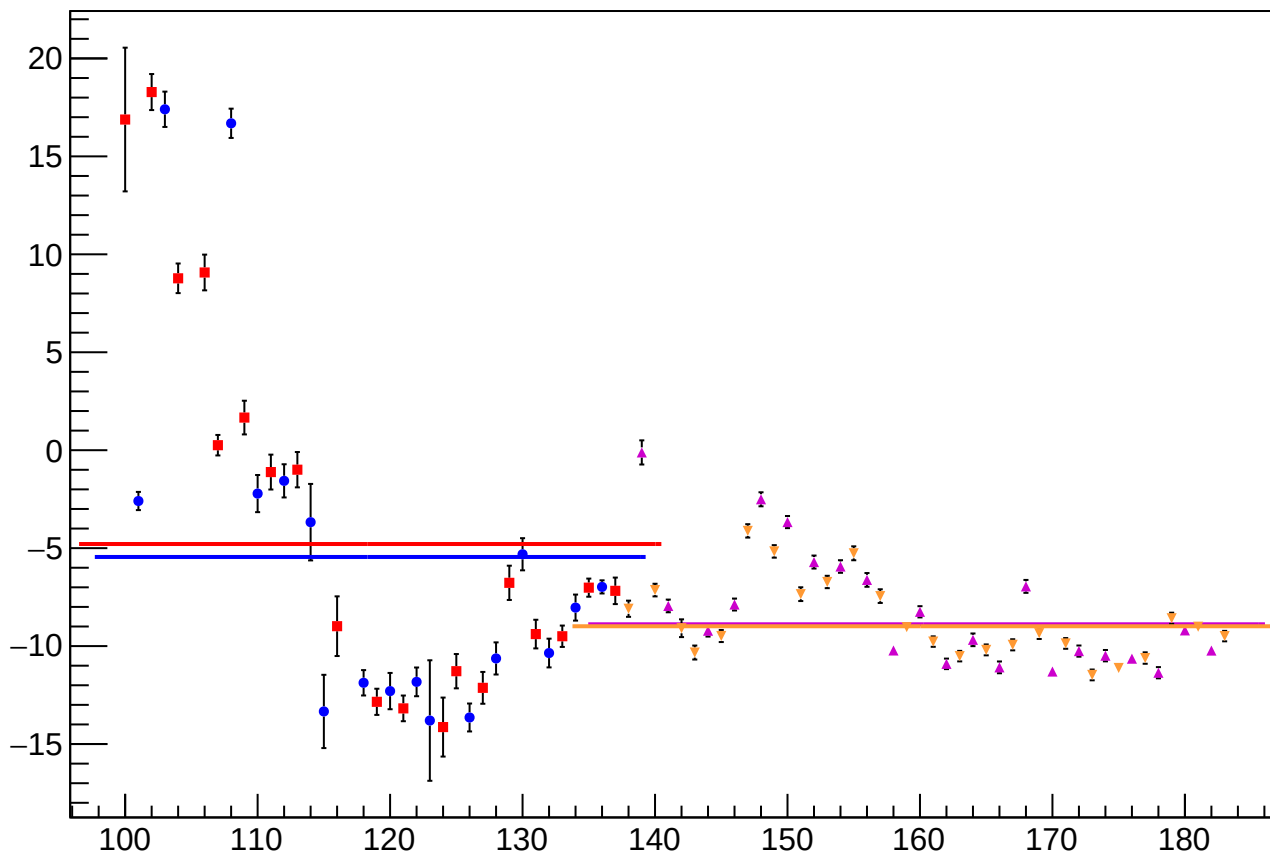
Left In: -7.490 ± 0.069 χ^2/NDF : 3081.4/21

+ sign -6.621 ± 0.066 χ^2/NDF : 4939.6/40

All: -6.622 ± 0.047 χ^2/NDF : 10888.7/81

- sign -6.623 ± 0.067 χ^2/NDF : 5949.1/40

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.450 ± 0.171 $\chi^2/\text{NDF}: 2097.1/16$

Left Out: -8.988 ± 0.061 $\chi^2/\text{NDF}: 874.1/23$

Right Out: -4.789 ± 0.173 $\chi^2/\text{NDF}: 2047.5/18$

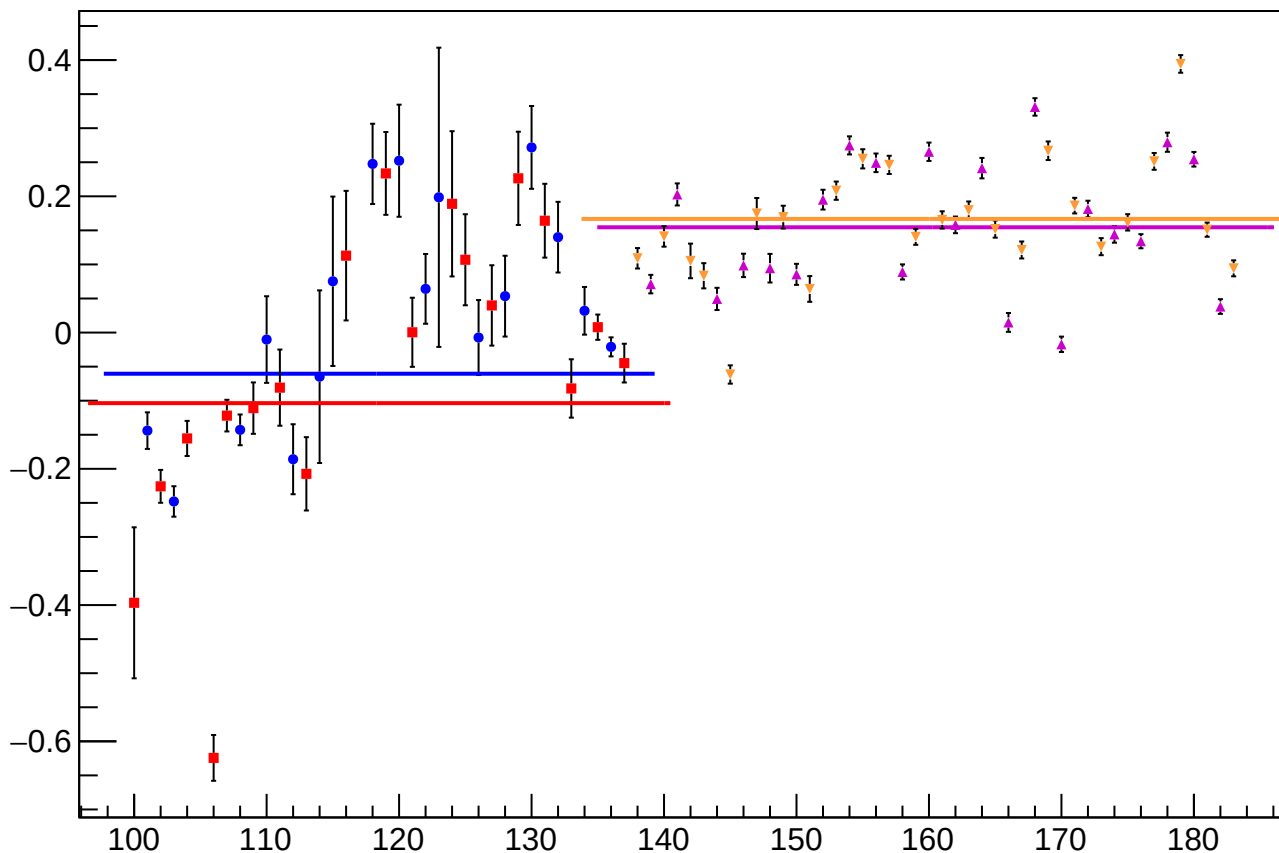
Left In: -8.887 ± 0.062 $\chi^2/\text{NDF}: 1531.9/21$

+ sign -8.592 ± 0.057 $\chi^2/\text{NDF}: 3351.0/40$

All: -8.507 ± 0.041 $\chi^2/\text{NDF}: 7430.7/81$

- sign -8.417 ± 0.059 $\chi^2/\text{NDF}: 4075.2/40$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 214.5/16

Left Out: 0.167 ± 0.003 χ^2/NDF : 930.5/23

Right Out: -0.104 ± 0.008 χ^2/NDF : 433.1/18

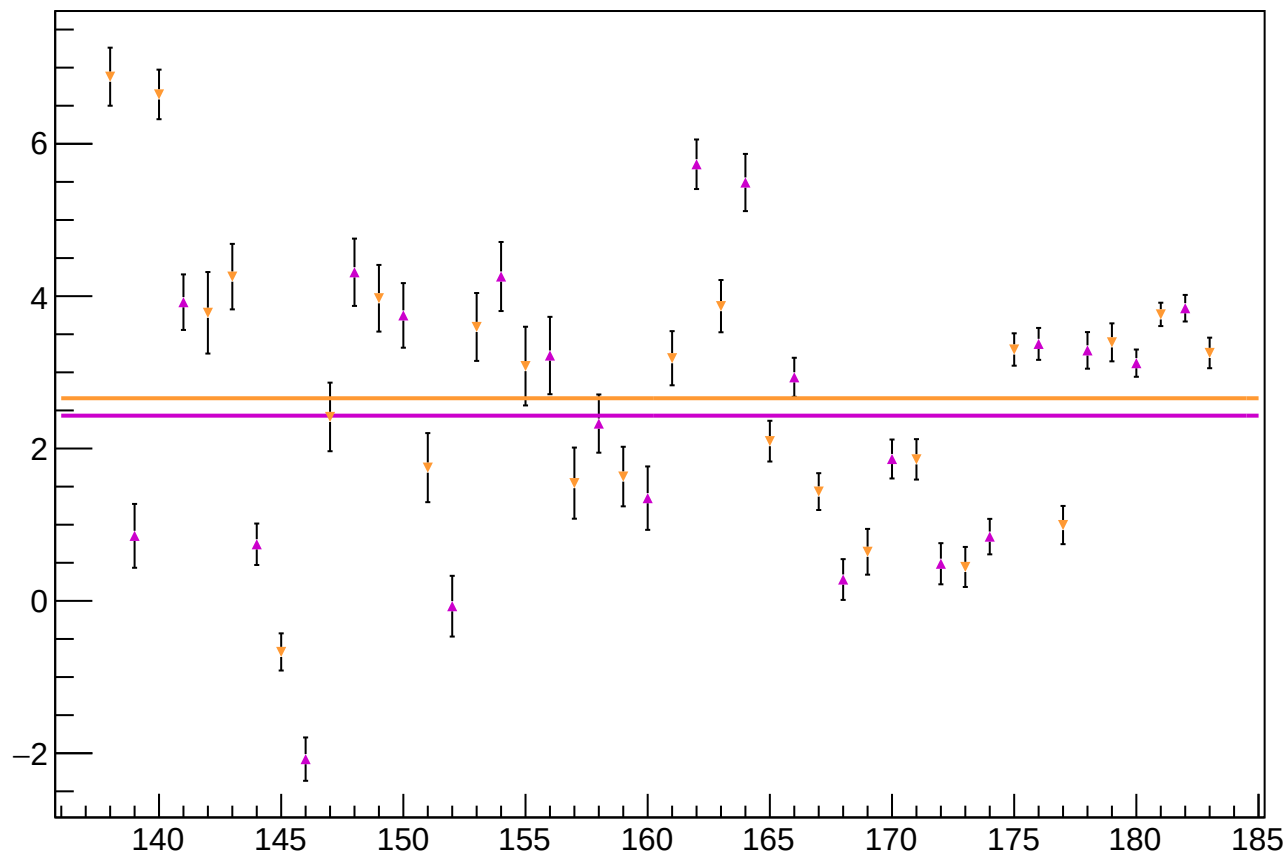
Left In: 0.155 ± 0.003 χ^2/NDF : 1215.6/21

+ sign 0.145 ± 0.003 χ^2/NDF : 1804.4/40

All: 0.137 ± 0.002 χ^2/NDF : 4312.6/81

- sign 0.129 ± 0.003 χ^2/NDF : 2490.6/40

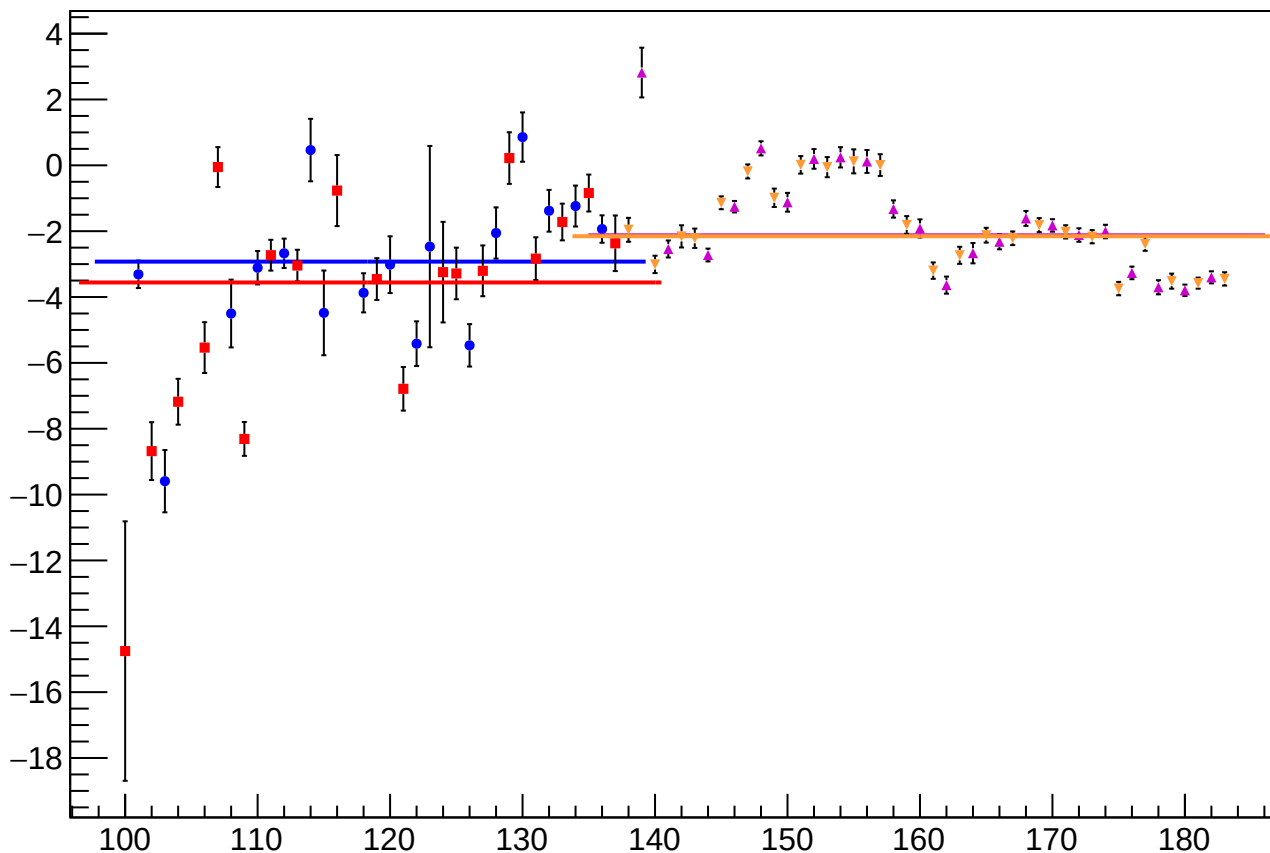
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.660 $\pm$ 0.059 χ^2/NDF :800.8/23
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 2.431 $\pm$ 0.060 χ^2/NDF :867.4/21

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 All: 2.548 $\pm$ 0.042 χ^2/NDF : 1675.5/45
 - sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.925 ± 0.155 $\chi^2/\text{NDF}: 144.9/16$

Left Out: -2.154 ± 0.048 $\chi^2/\text{NDF}: 572.4/23$

Right Out: -3.558 ± 0.155 $\chi^2/\text{NDF}: 290.8/18$

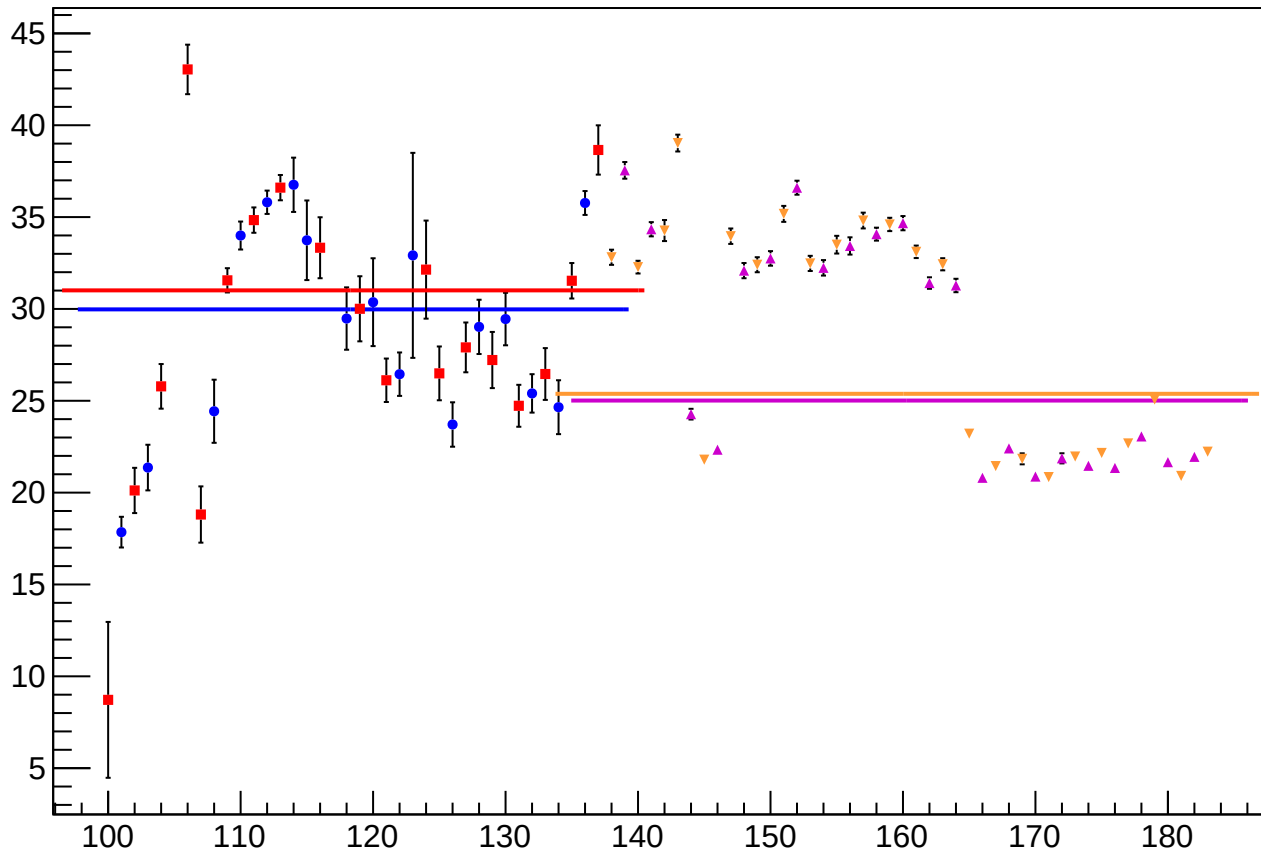
Left In: -2.126 ± 0.049 $\chi^2/\text{NDF}: 689.1/21$

+ sign -2.221 ± 0.046 $\chi^2/\text{NDF}: 739.8/40$

All: -2.239 ± 0.033 $\chi^2/\text{NDF}: 1797.8/81$

- sign -2.256 ± 0.047 $\chi^2/\text{NDF}: 1057.7/40$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.976 $\pm$ 0.268 χ^2 /NDF: 554.0/16

Left Out: 25.379 $\pm$ 0.060 χ^2 /NDF: 8201.2/23

Right Out: 31.010 $\pm$ 0.260 χ^2 /NDF: 478.7/18

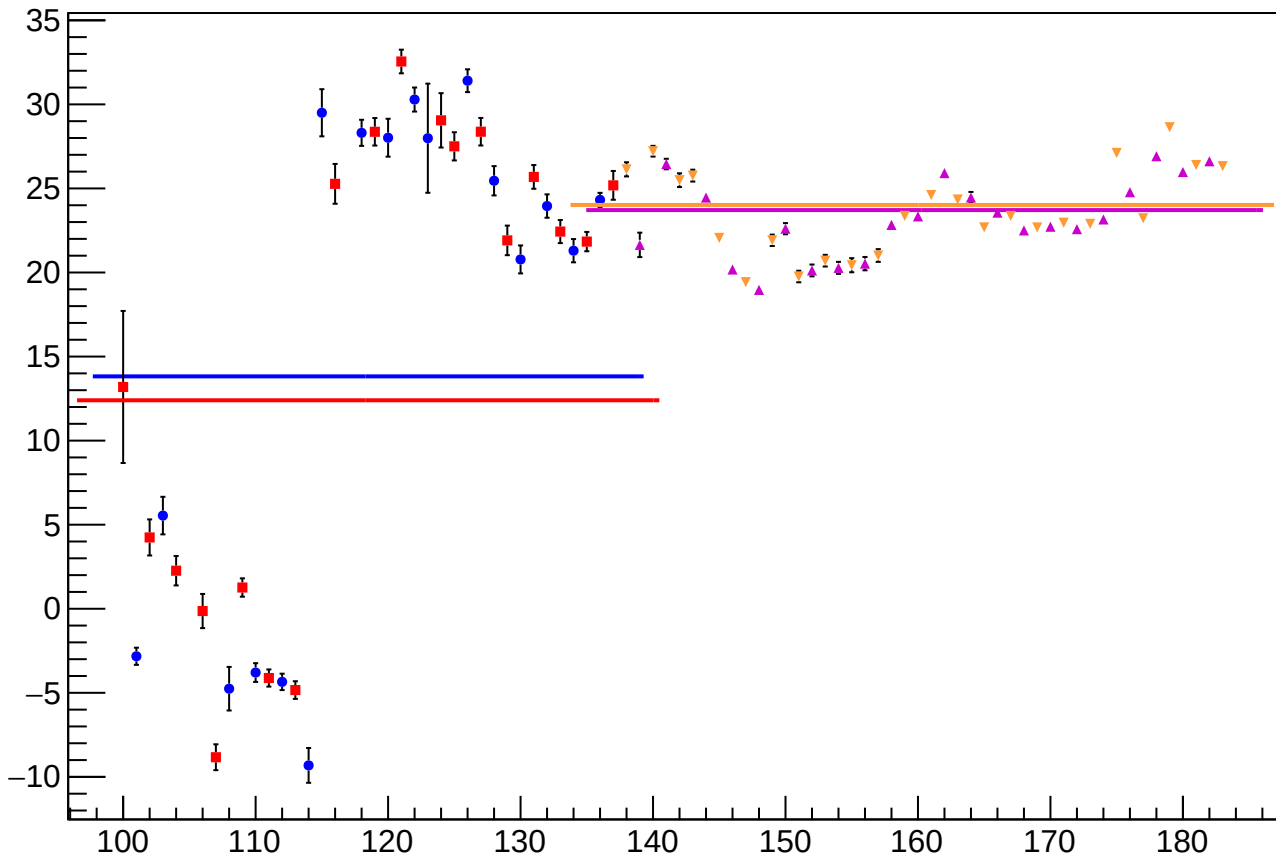
Left In: 25.012 $\pm$ 0.060 χ^2 /NDF: 7609.0/21

+ sign 25.597 $\pm$ 0.058 χ^2 /NDF: 9035.9/40

All: 25.459 $\pm$ 0.041 χ^2 /NDF: 17638.1/81

- sign 25.319 $\pm$ 0.059 χ^2 /NDF: 8591.0/40

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.822 $\pm$ 0.173 χ^2/NDF : 7274.7/16

Left Out: 24.019 $\pm$ 0.054 χ^2/NDF : 1880.5/23

Right Out: 12.399 $\pm$ 0.174 χ^2/NDF : 6952.8/18

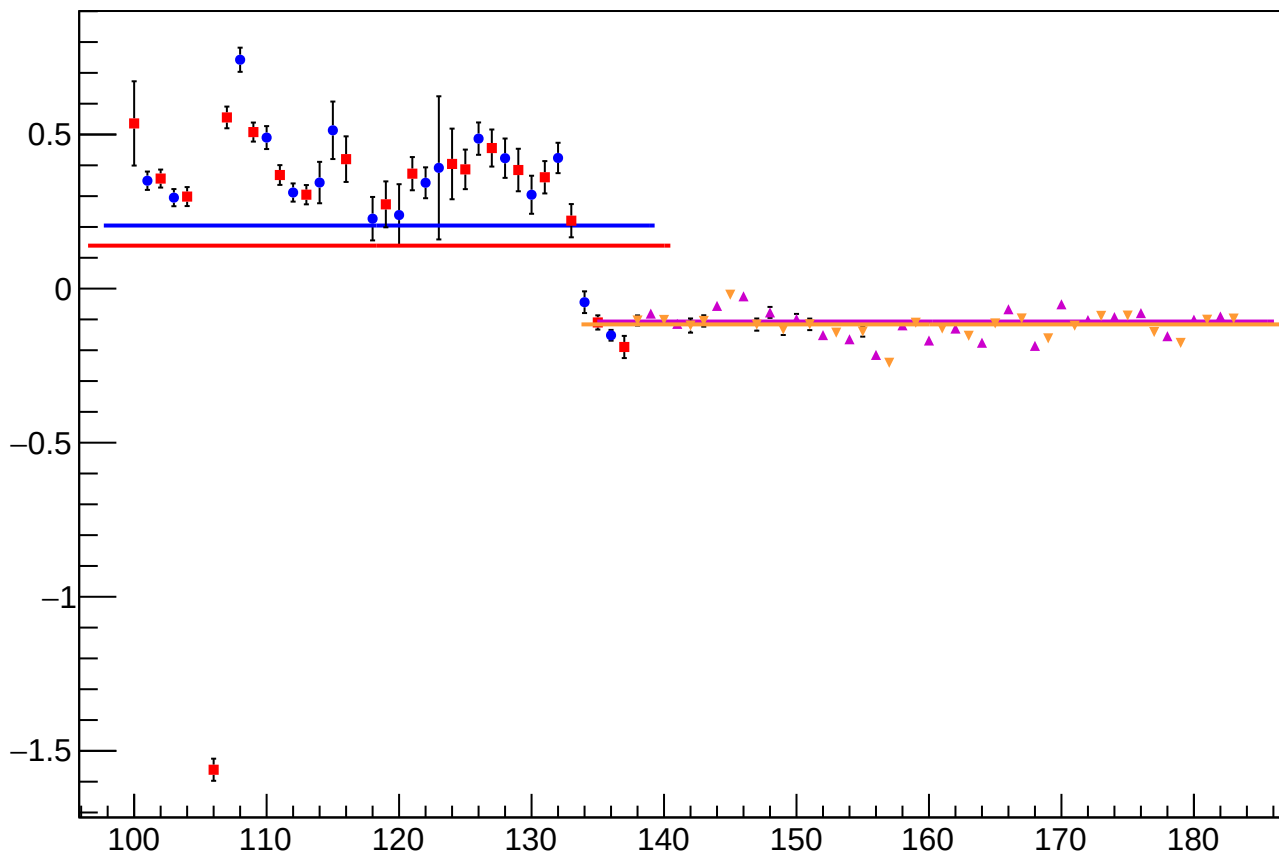
Left In: 23.712 $\pm$ 0.055 χ^2/NDF : 1630.4/21

+ sign 23.118 $\pm$ 0.051 χ^2/NDF : 12321.7/40

All: 22.909 $\pm$ 0.037 χ^2/NDF : 24785.7/81

- sign 22.696 $\pm$ 0.052 χ^2/NDF : 12430.8/40

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.009 χ^2 /NDF: 846.4/16

Left Out: -0.116 $\pm$ 0.002 χ^2 /NDF: 258.6/23

Right Out: 0.139 $\pm$ 0.009 χ^2 /NDF: 3013.6/18

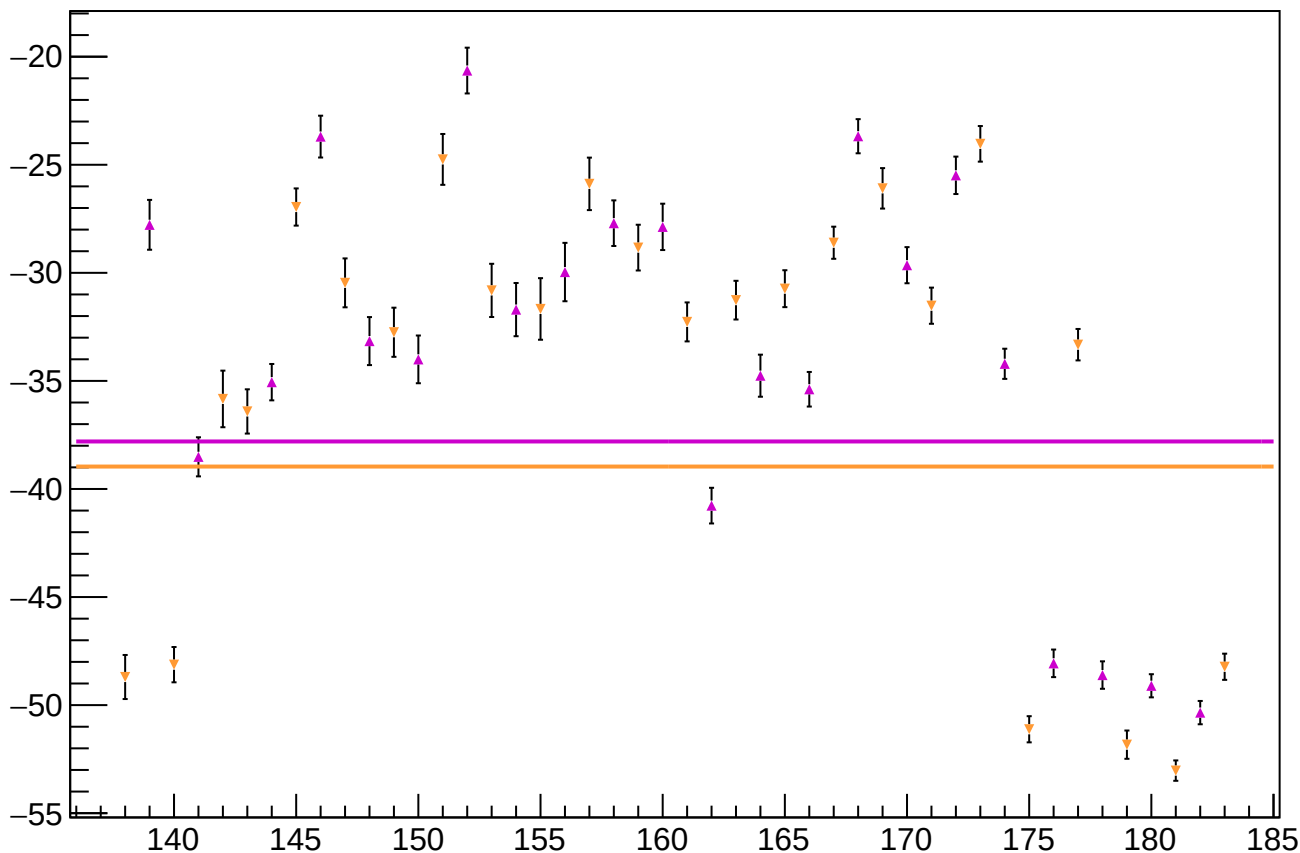
Left In: -0.107 $\pm$ 0.002 χ^2 /NDF: 321.6/21

+ sign -0.095 $\pm$ 0.002 χ^2 /NDF: 2197.6/40

All: -0.093 $\pm$ 0.002 χ^2 /NDF: 6200.5/81

- sign -0.090 $\pm$ 0.002 χ^2 /NDF: 4000.3/40

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -38.963+/-0.171 χ^2/NDF : 3921.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

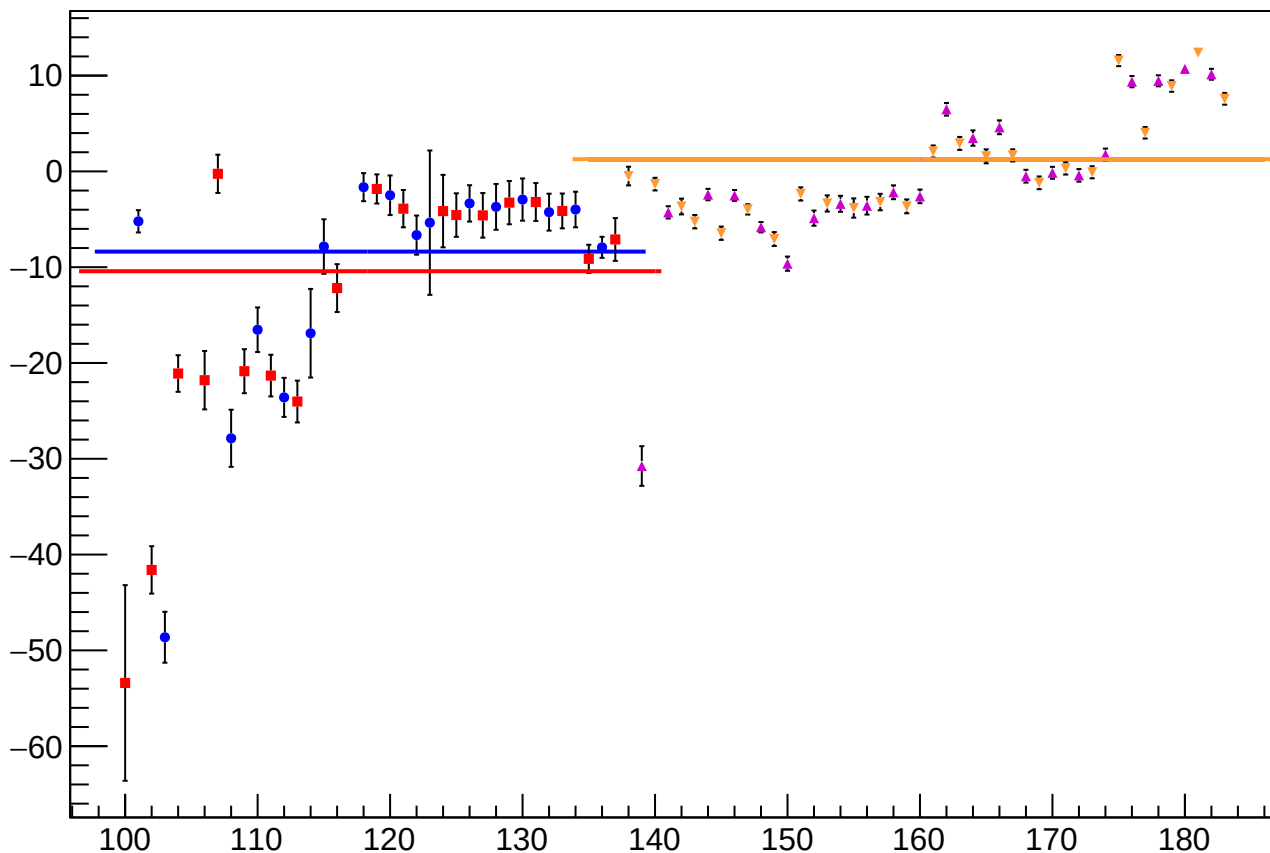
Left In: -37.802+/-0.176 χ^2/NDF : 3037.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.399+/-0.123 χ^2/NDF : 6981.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.373 ± 0.467 χ^2/NDF : 408.5/16

Left Out: 1.274 ± 0.137 χ^2/NDF : 1737.0/23

Right Out: -10.423 ± 0.492 χ^2/NDF : 429.8/18

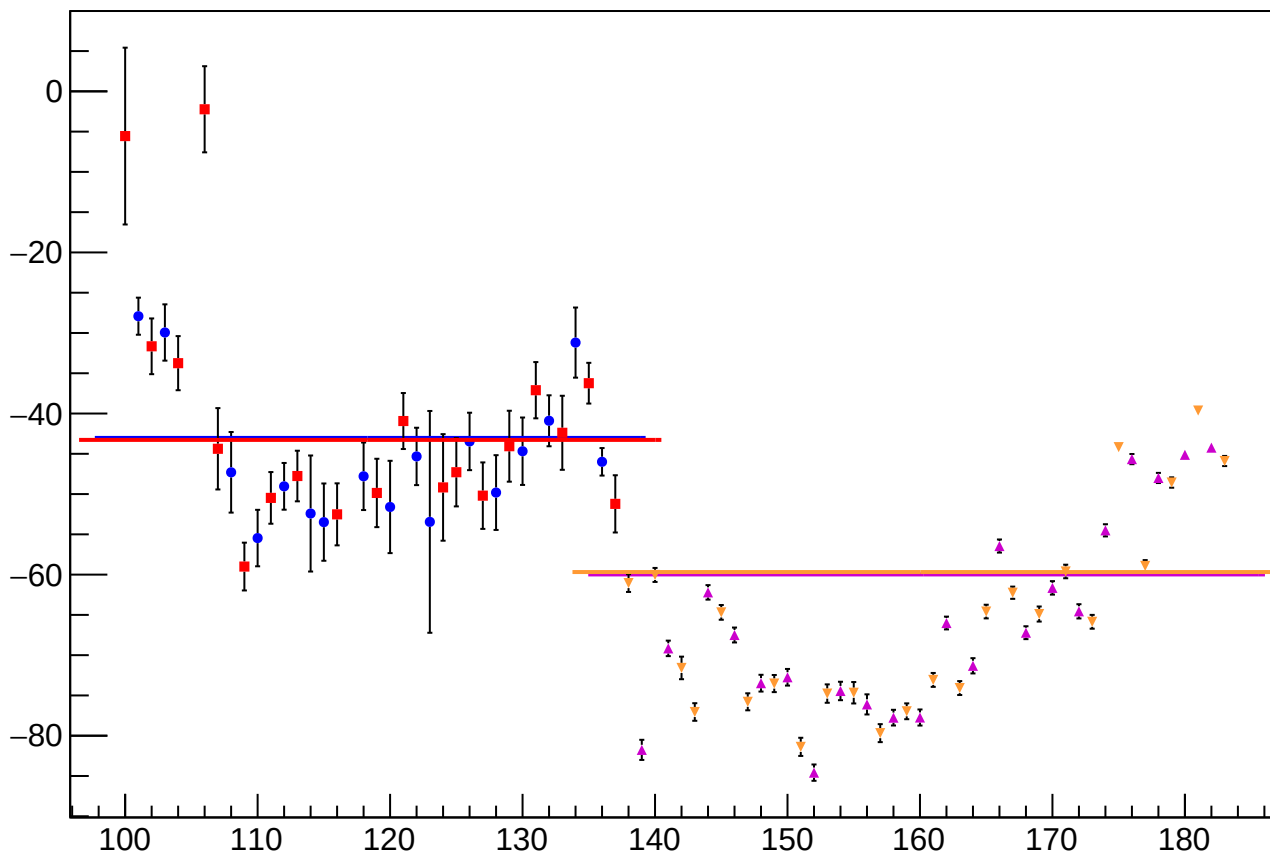
Left In: 1.242 ± 0.141 χ^2/NDF : 2029.4/21

+ sign 0.506 ± 0.132 χ^2/NDF : 2539.0/40

All: 0.432 ± 0.095 χ^2/NDF : 5518.8/81

- sign 0.353 ± 0.136 χ^2/NDF : 2979.2/40

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.028 ± 0.838 $\chi^2/\text{NDF}: 98.9/16$

Left Out: -59.679 ± 0.172 $\chi^2/\text{NDF}: 5817.3/23$

Right Out: -43.274 ± 0.868 $\chi^2/\text{NDF}: 154.3/18$

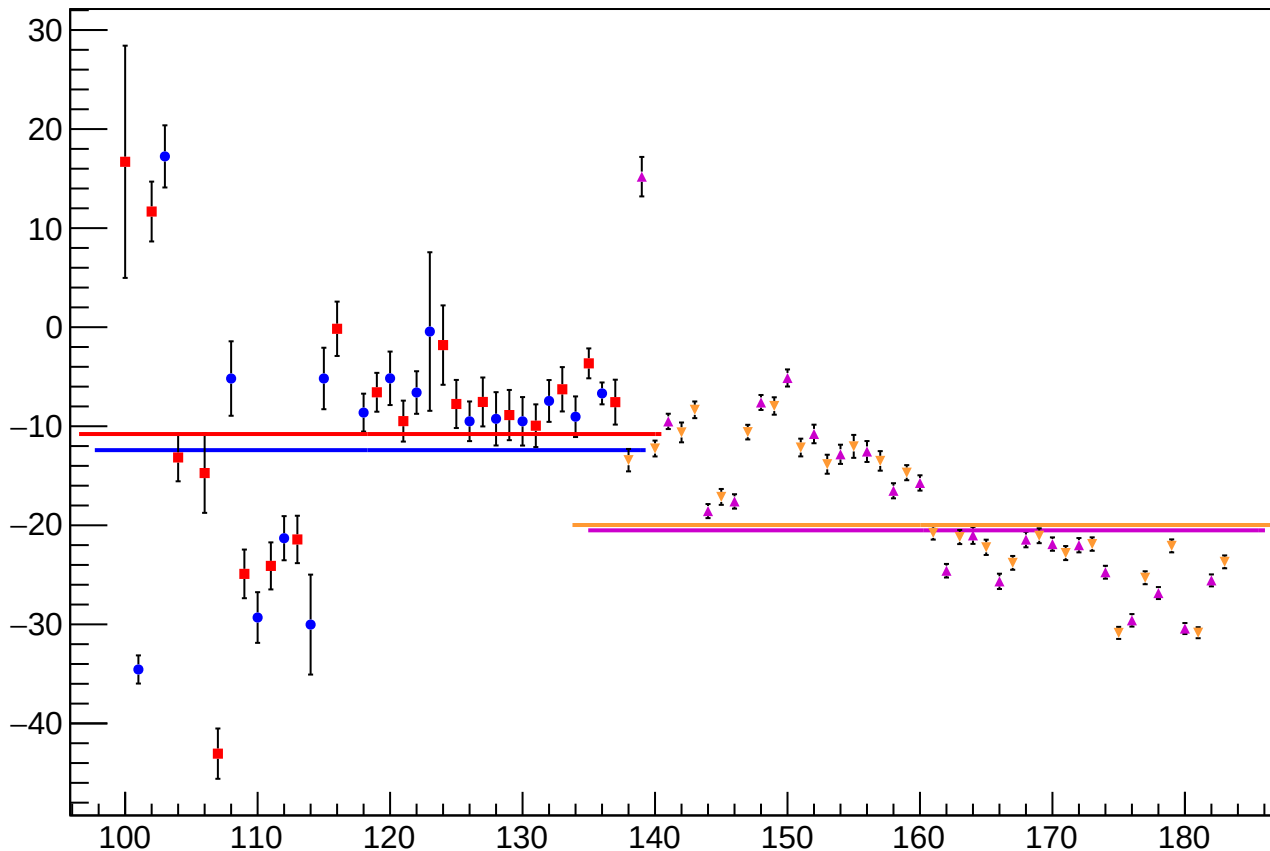
Left In: -59.977 ± 0.176 $\chi^2/\text{NDF}: 5181.9/21$

+ sign -59.008 ± 0.168 $\chi^2/\text{NDF}: 6294.7/40$

All: -59.160 ± 0.120 $\chi^2/\text{NDF}: 11988.1/81$

- sign -59.320 ± 0.172 $\chi^2/\text{NDF}: 5691.7/40$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.412 ± 0.524 $\chi^2/\text{NDF}: 473.5/16$

Left Out: -19.969 ± 0.154 $\chi^2/\text{NDF}: 1898.8/23$

Right Out: -10.786 ± 0.555 $\chi^2/\text{NDF}: 365.9/18$

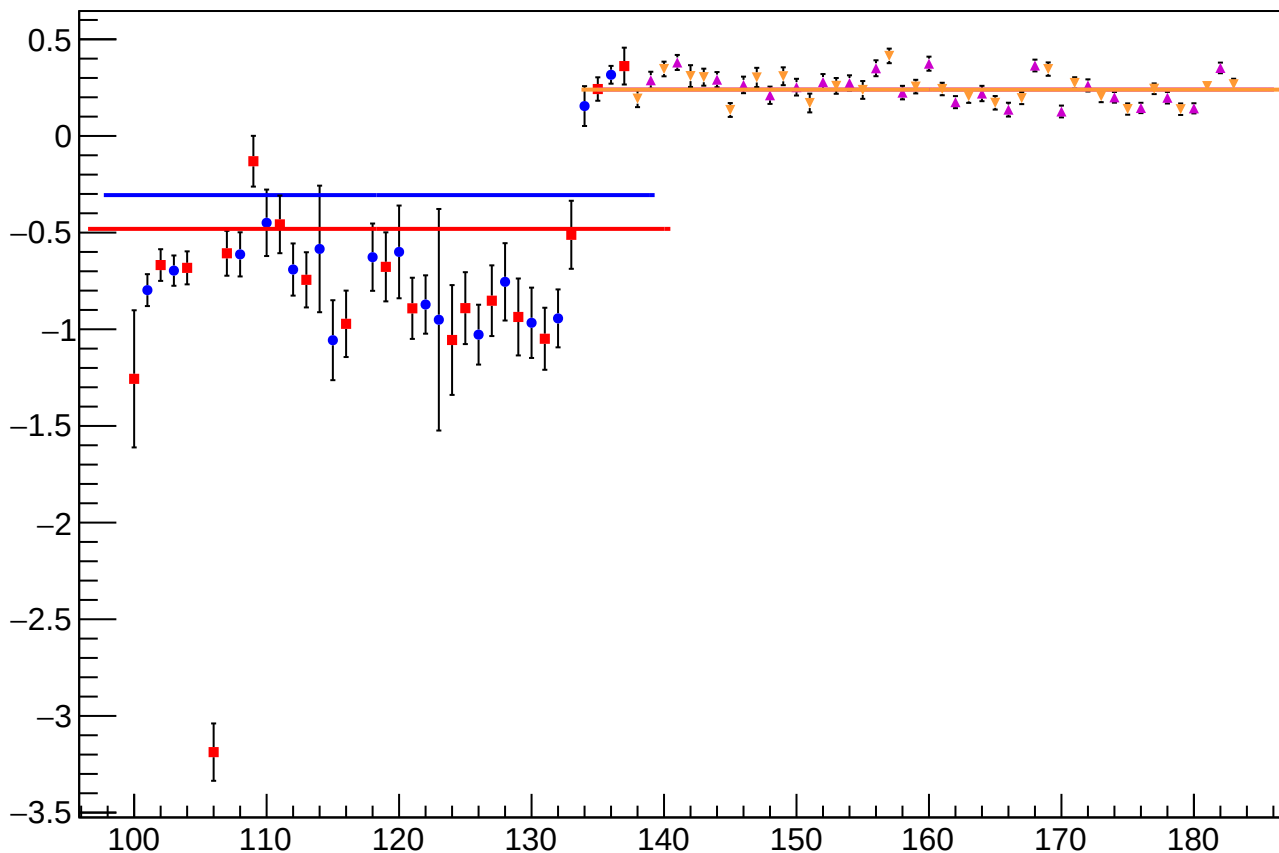
Left In: -20.509 ± 0.158 $\chi^2/\text{NDF}: 2284.3/21$

+ sign -19.366 ± 0.148 $\chi^2/\text{NDF}: 2563.9/40$

All: -19.565 ± 0.106 $\chi^2/\text{NDF}: 5502.0/81$

- sign -19.775 ± 0.152 $\chi^2/\text{NDF}: 2934.4/40$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.240 ± 0.007 χ^2/NDF : 92.6/23

Right Out: -0.481 ± 0.029 χ^2/NDF : 627.8/18

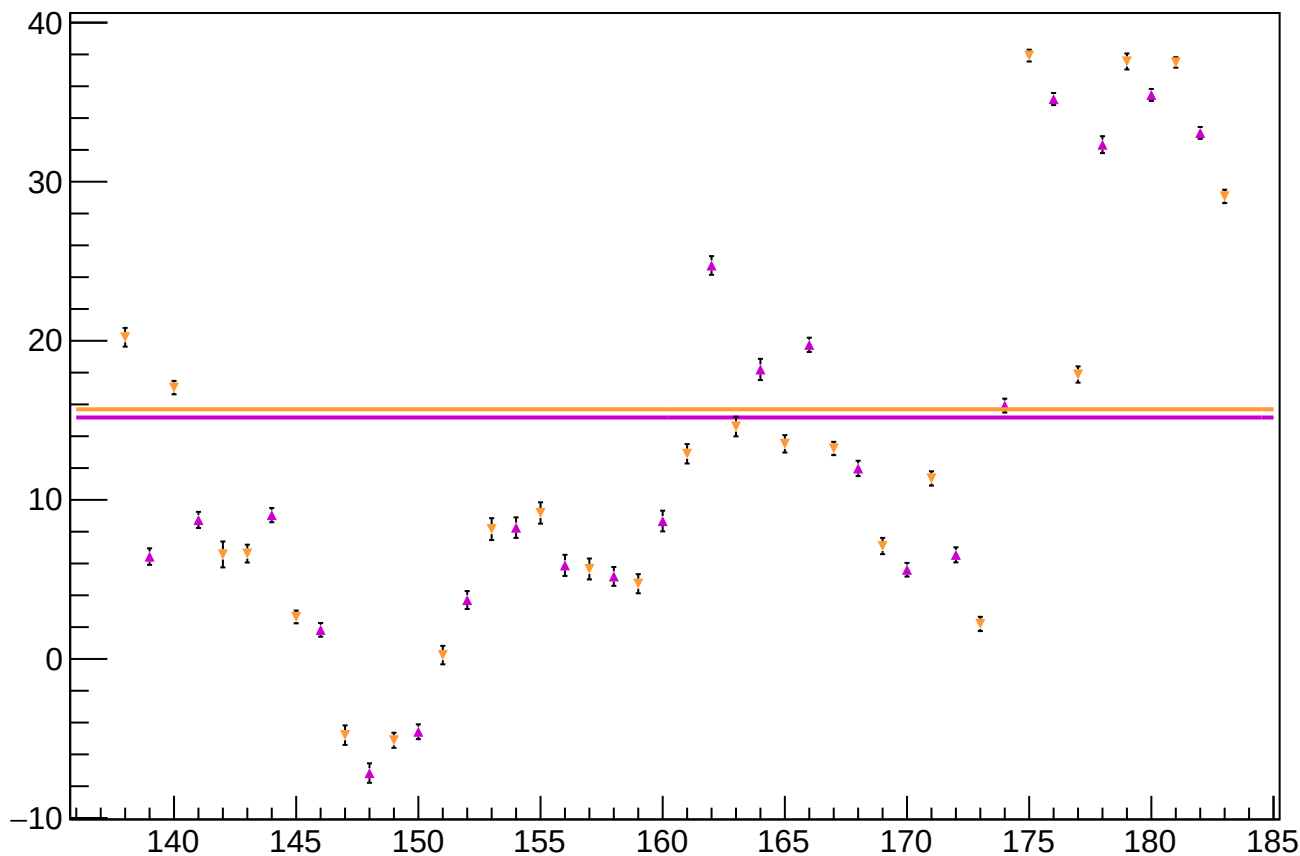
Left In: 0.240 ± 0.007 χ^2/NDF : 130.3/21

+ sign 0.206 ± 0.007 χ^2/NDF : 830.8/40

All: 0.201 ± 0.005 χ^2/NDF : 2185.5/81

- sign 0.196 ± 0.007 χ^2/NDF : 1353.8/40

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 15.694+/-0.102 χ^2/NDF :18310.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

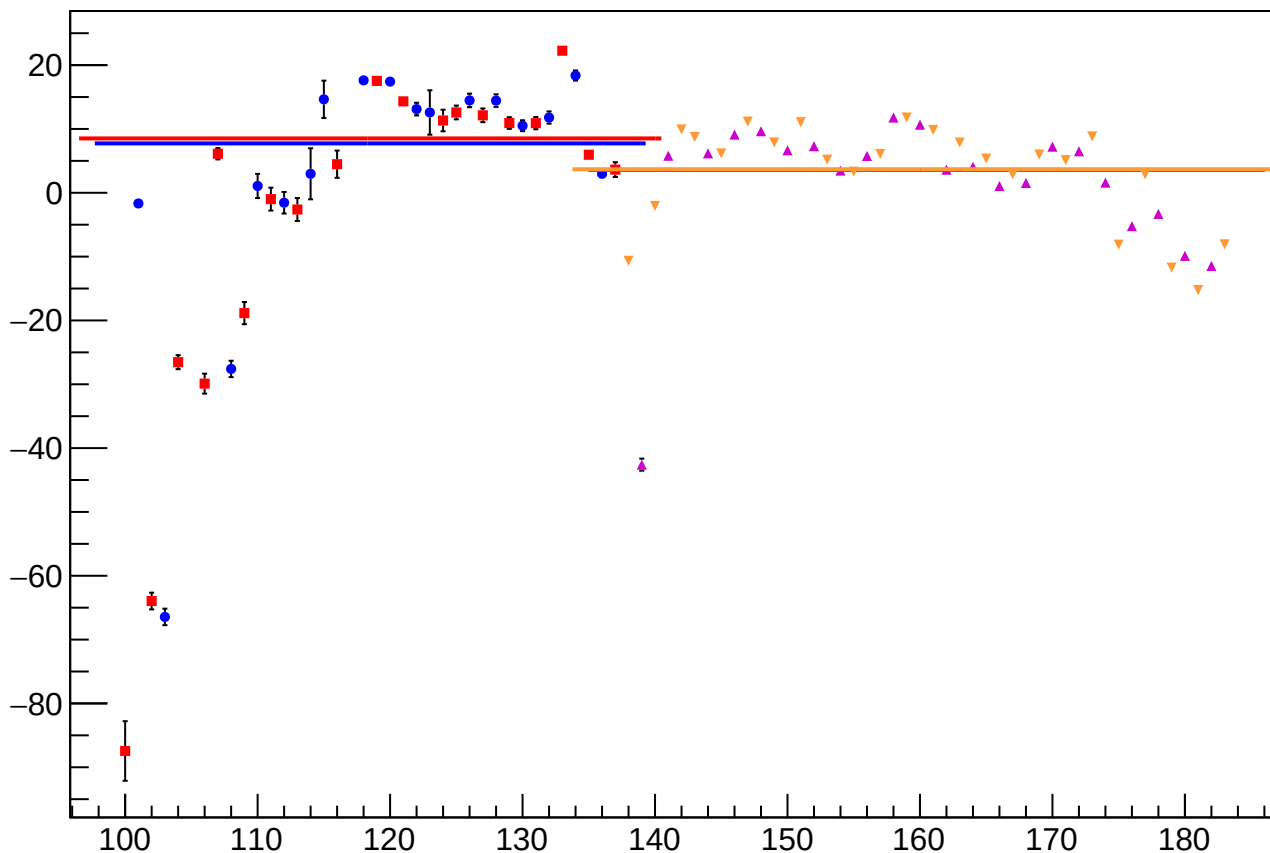
Left In: 15.178+/-0.104 χ^2/NDF :16112.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 15.442+/-0.073 χ^2/NDF : 34435.2/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.736 ± 0.218 $\chi^2/\text{NDF}: 5301.4/16$

Left Out: 3.684 ± 0.079 $\chi^2/\text{NDF}: 9210.1/23$

Right Out: 8.518 ± 0.214 $\chi^2/\text{NDF}: 6720.6/18$

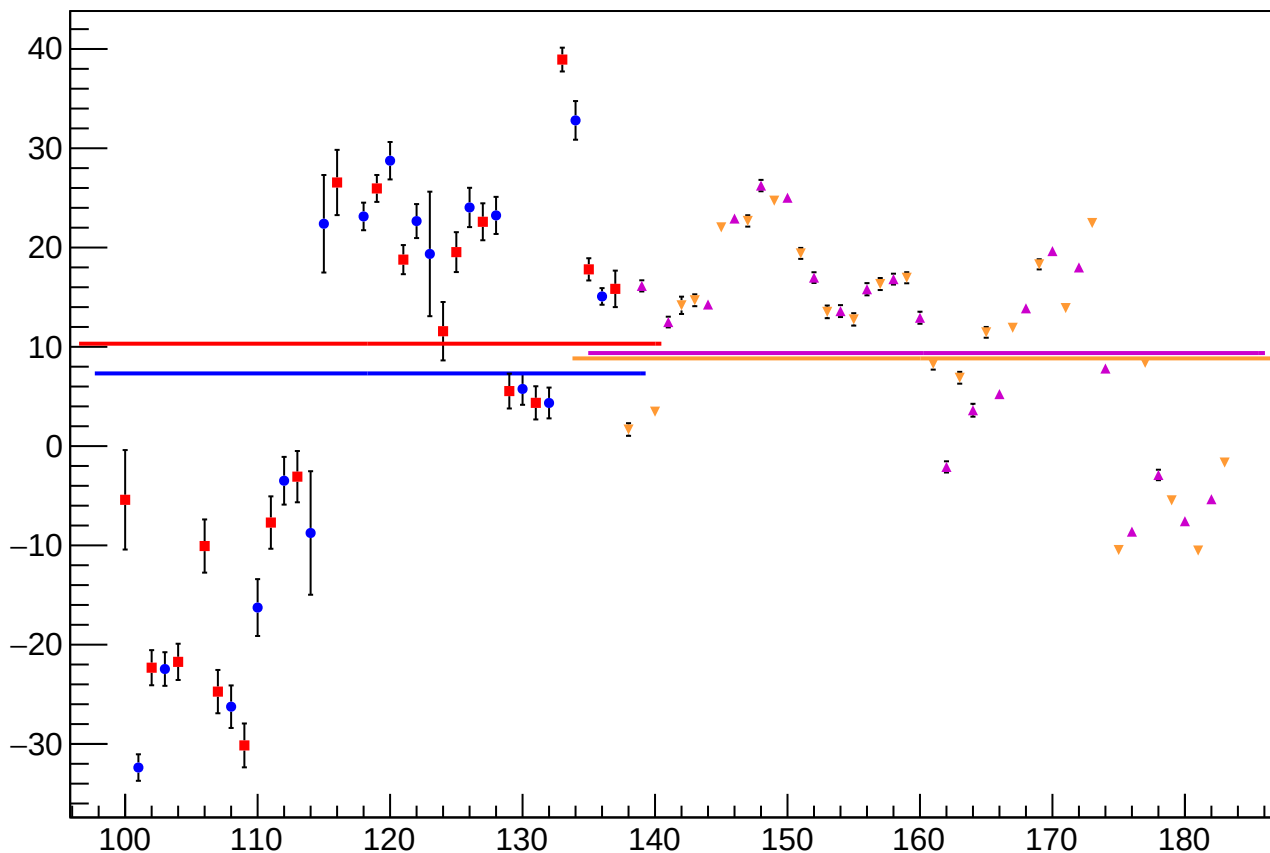
Left In: 3.579 ± 0.082 $\chi^2/\text{NDF}: 8068.9/21$

+ sign 4.157 ± 0.075 $\chi^2/\text{NDF}: 14815.6/40$

All: 4.184 ± 0.053 $\chi^2/\text{NDF}: 30072.0/81$

- sign 4.211 ± 0.076 $\chi^2/\text{NDF}: 15256.0/40$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.321 $\pm$ 0.419 χ^2 /NDF: 2291.7/16

Left Out: 8.833 $\pm$ 0.102 χ^2 /NDF:12790.5/23

Right Out: 10.315 $\pm$ 0.418 χ^2 /NDF: 2282.9/18

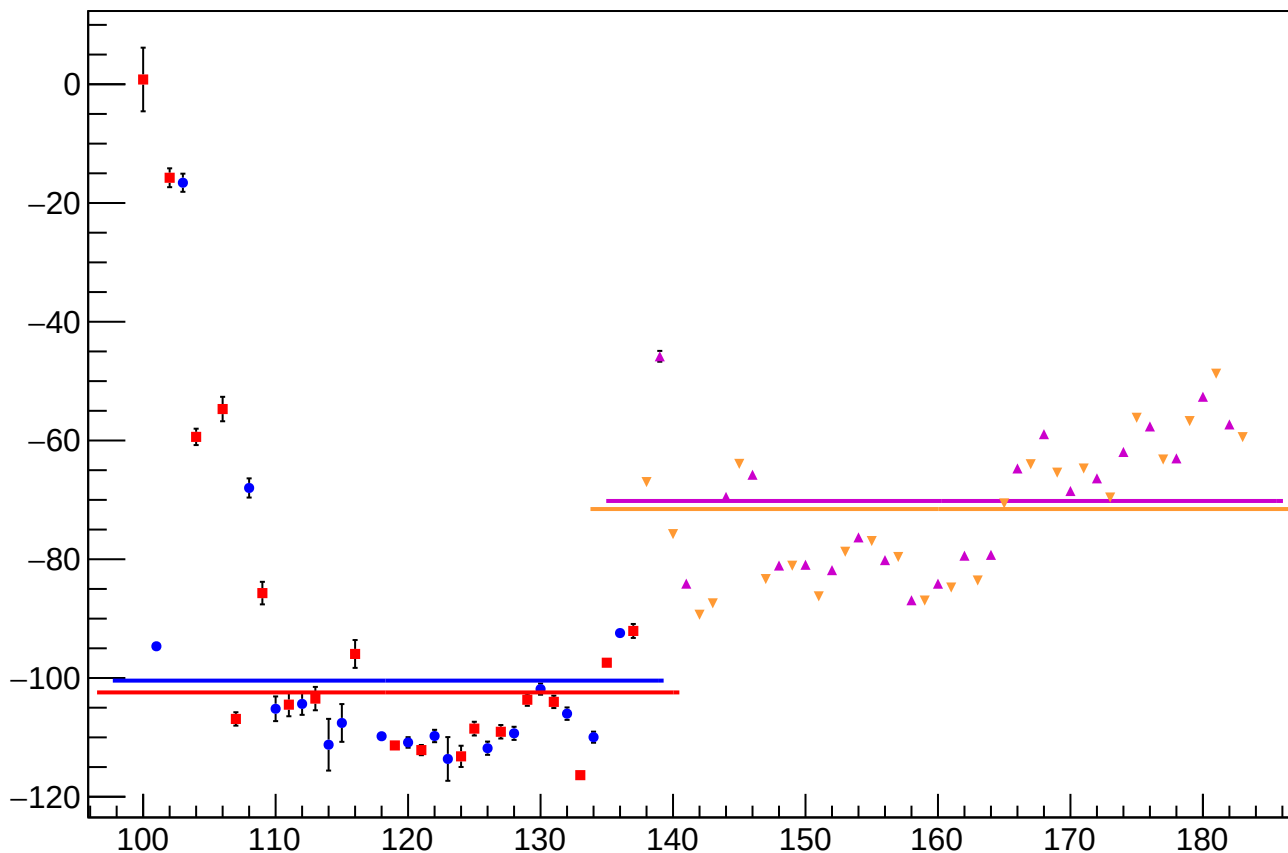
Left In: 9.373 $\pm$ 0.104 χ^2 /NDF:11959.6/21

+ sign 8.749 $\pm$ 0.099 χ^2 /NDF: 15094.5/40

All: 9.083 $\pm$ 0.071 χ^2 /NDF: 29364.9/81

- sign 9.428 $\pm$ 0.101 χ^2 /NDF: 14247.3/40

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.441 ± 0.251 χ^2/NDF : 4458.9/16

Left Out: -71.543 ± 0.090 χ^2/NDF : 16367.8/23

Right Out: -102.428 ± 0.247 χ^2/NDF : 6094.9/18

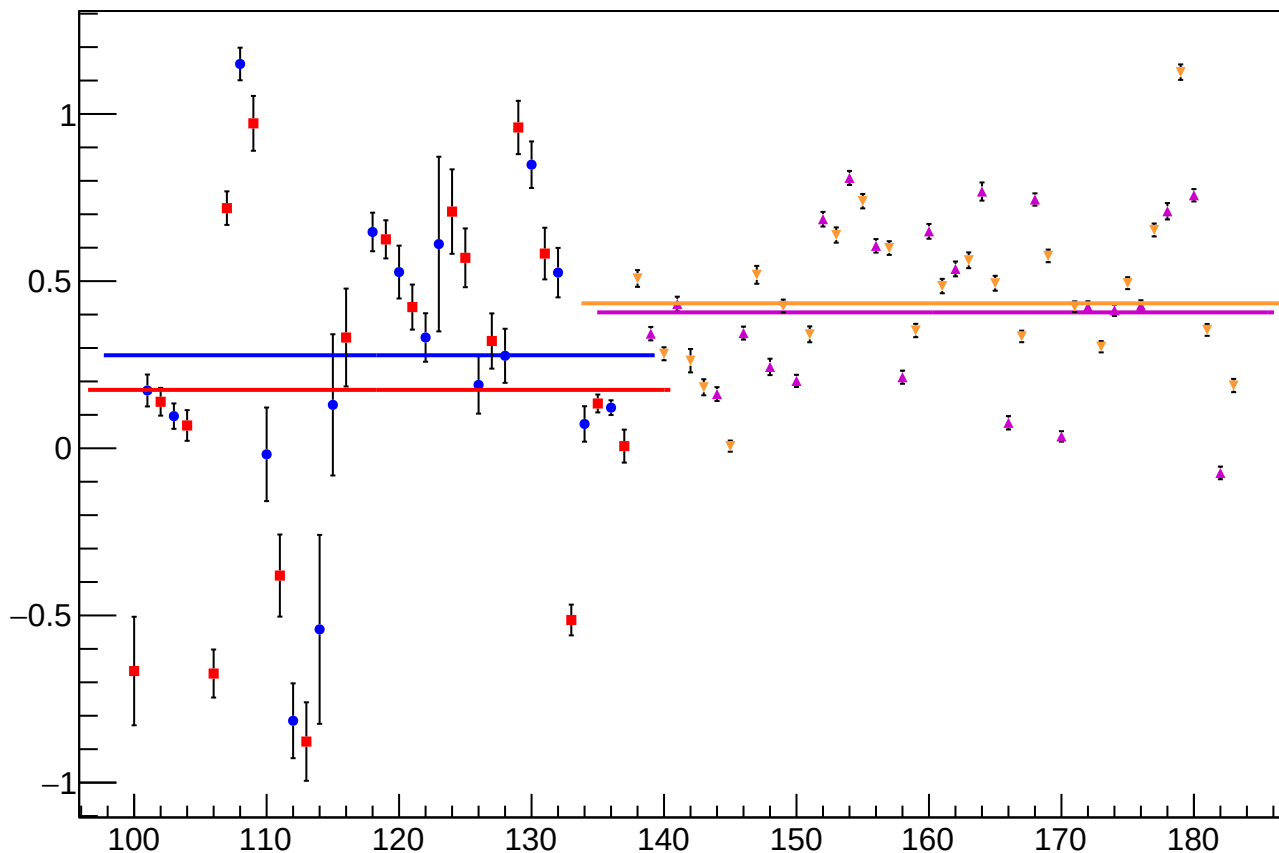
Left In: -70.183 ± 0.092 χ^2/NDF : 12952.9/21

+ sign -74.841 ± 0.085 χ^2/NDF : 32565.2/40

All: -74.506 ± 0.061 χ^2/NDF : 66626.4/81

- sign -74.157 ± 0.087 χ^2/NDF : 34029.5/40

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.278 $\pm$ 0.014 χ^2/NDF : 653.5/16

Left Out: 0.434 $\pm$ 0.004 χ^2/NDF : 2645.0/23

Right Out: 0.175 $\pm$ 0.013 χ^2/NDF : 966.1/18

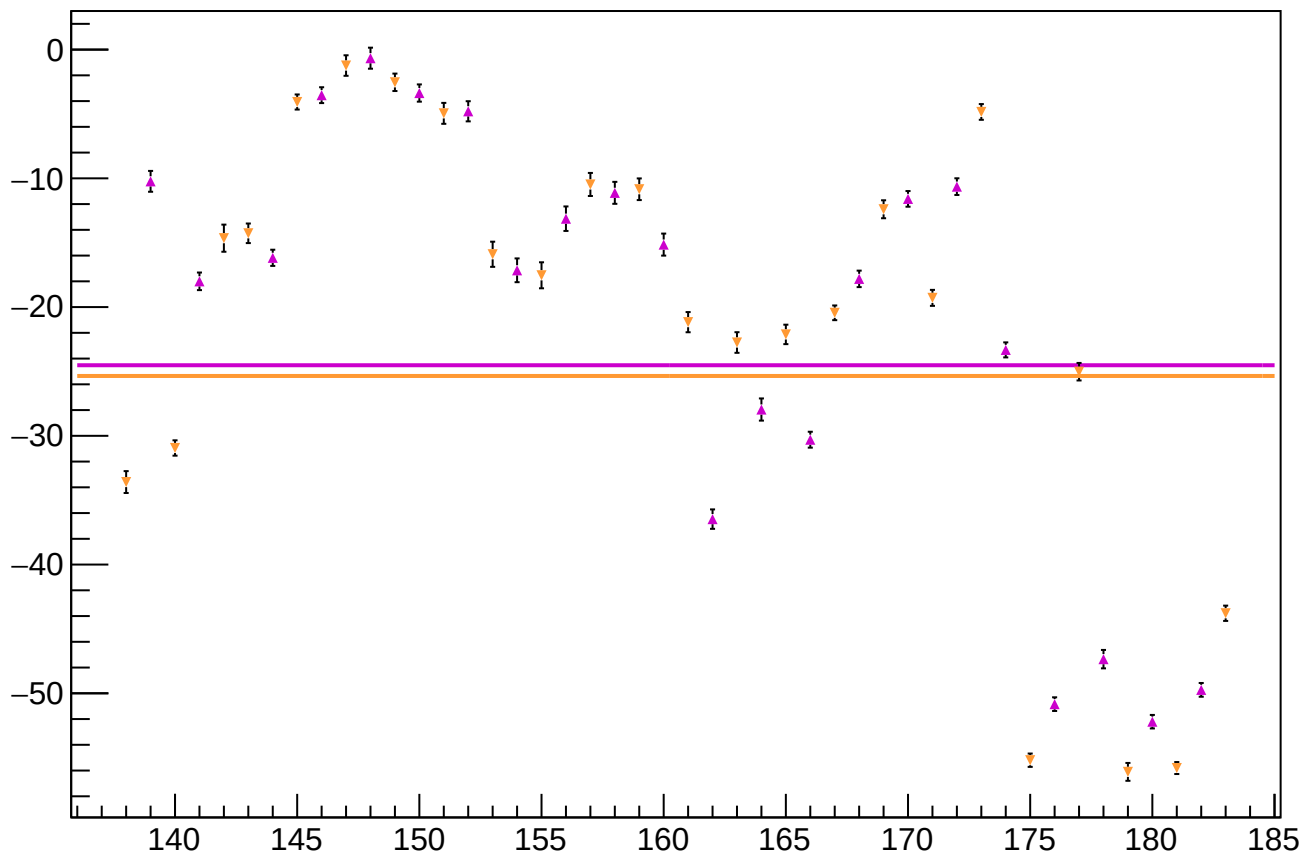
Left In: 0.407 $\pm$ 0.004 χ^2/NDF : 3707.8/21

+ sign 0.420 $\pm$ 0.004 χ^2/NDF : 3419.0/40

All: 0.403 $\pm$ 0.003 χ^2/NDF : 8399.0/81

- sign 0.386 $\pm$ 0.004 χ^2/NDF : 4943.0/40

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -25.351+/-0.141 χ^2/NDF :17453.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

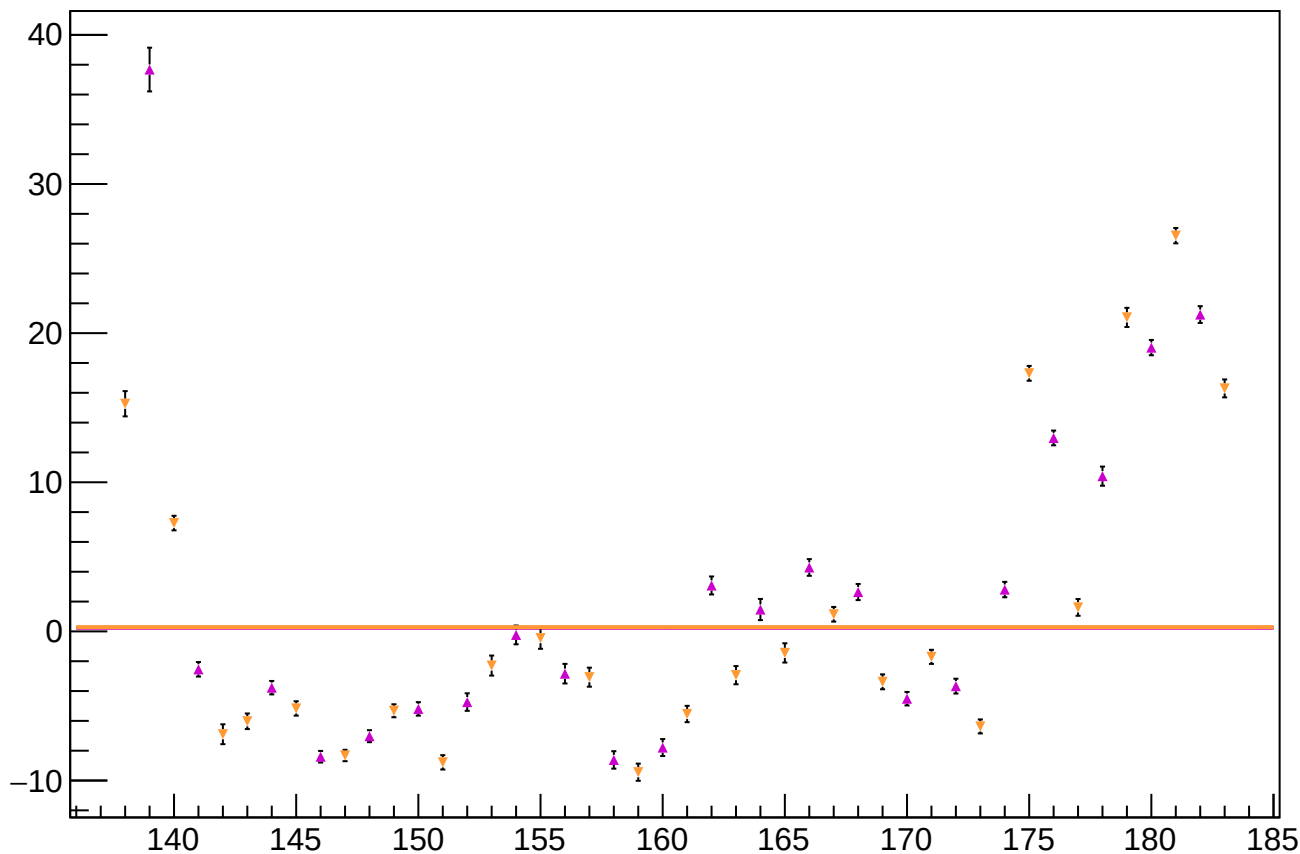
Left In: -24.517+/-0.144 χ^2/NDF :14658.2/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -24.944+/-0.101 χ^2/NDF : 32129.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.284+/-0.109 χ^2/NDF :8233.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

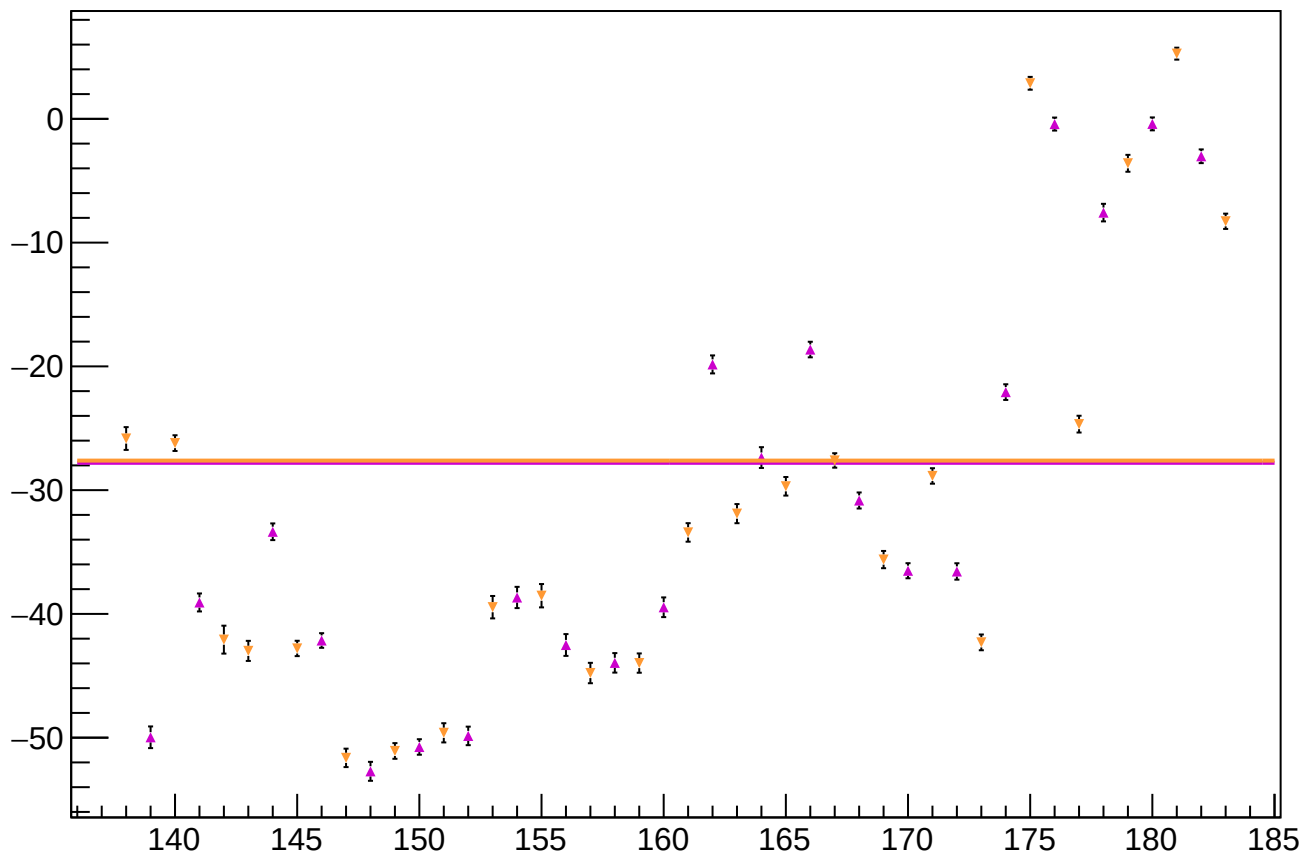
Left In: 0.242+/-0.113 χ^2/NDF :6185.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.263+/-0.079 χ^2/NDF : 14418.8/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -27.613+/-0.141 χ^2/NDF : 16616.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

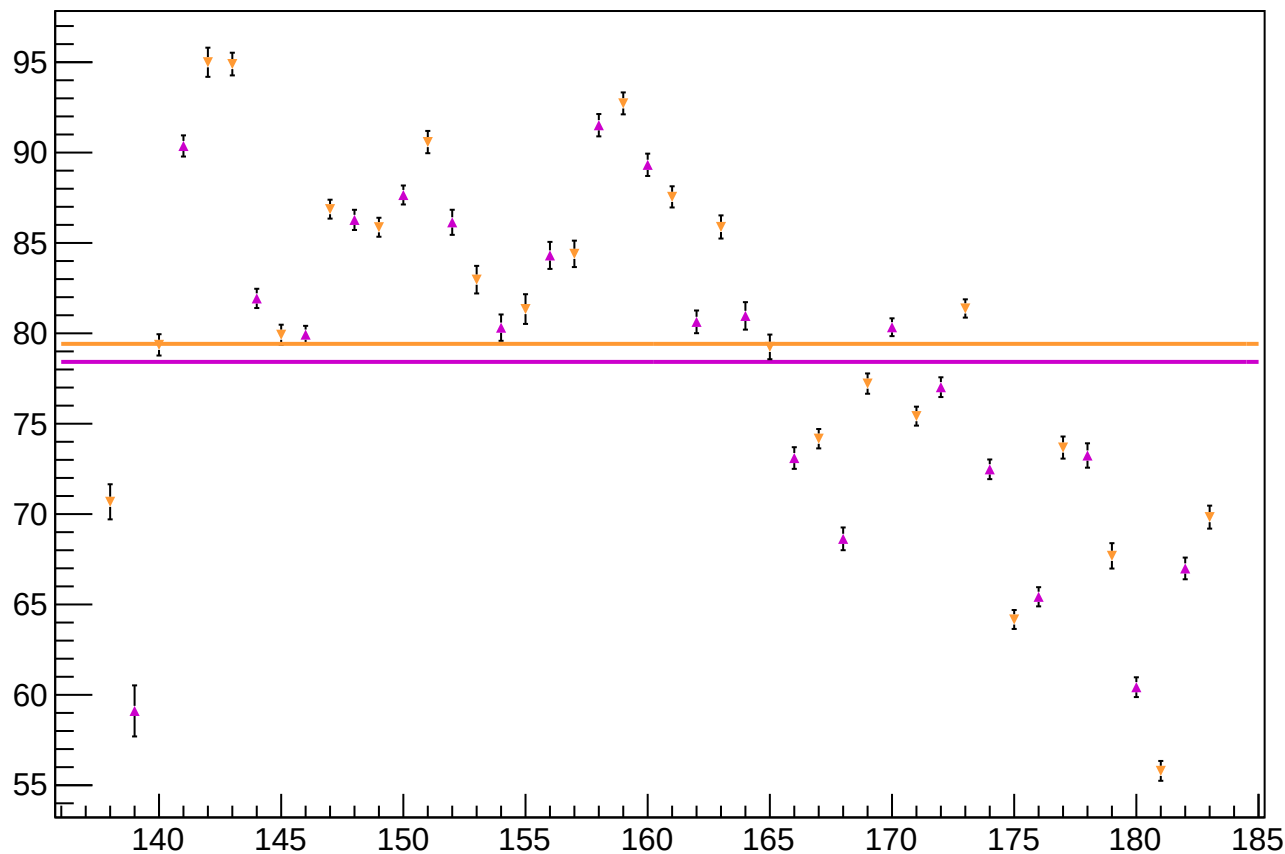
Left In: -27.791+/-0.144 χ^2/NDF : 14964.8/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -27.700+/-0.101 χ^2/NDF : 31581.9/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 79.418+/-0.124 χ^2/NDF : 6071.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

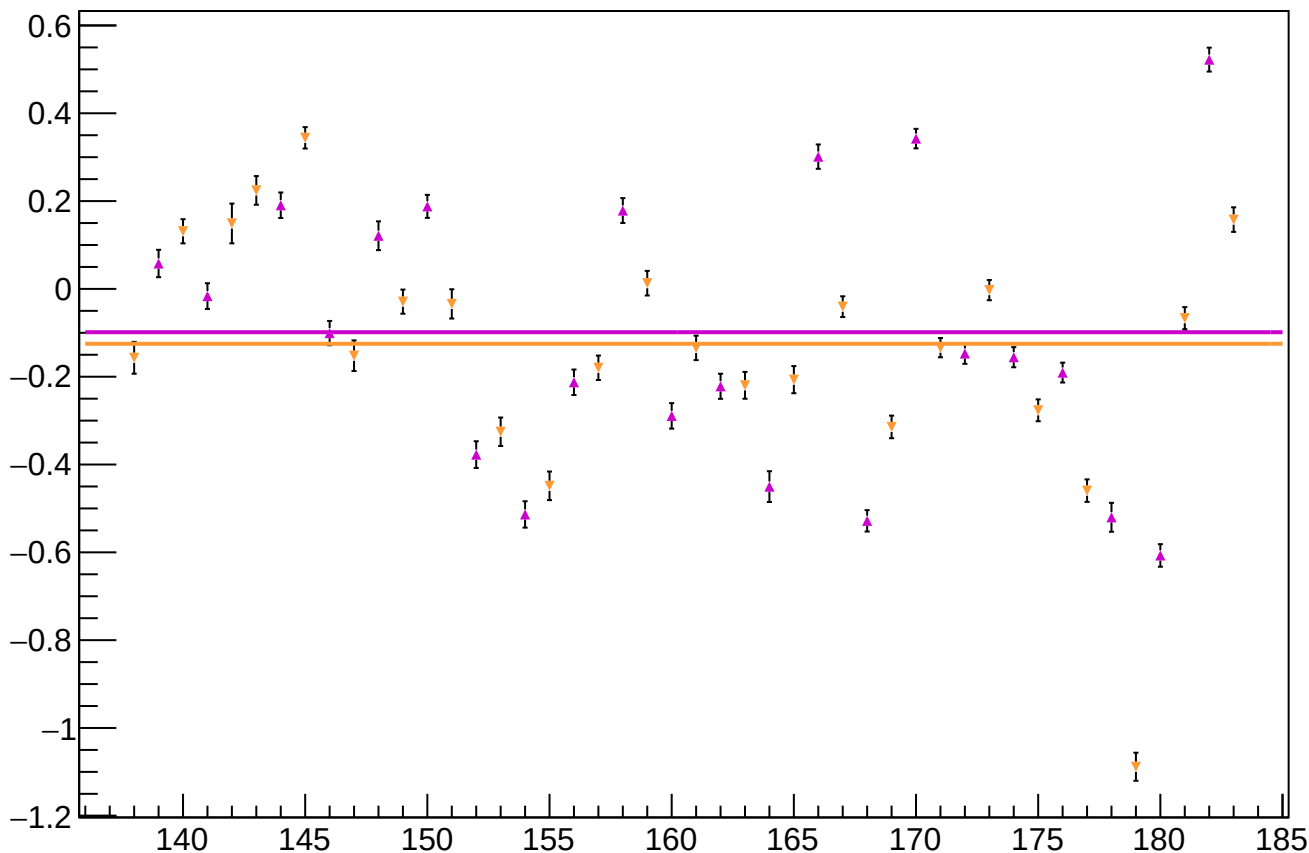
Left In: 78.420+/-0.128 χ^2/NDF : 4705.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 78.933+/-0.089 χ^2/NDF : 10807.9/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

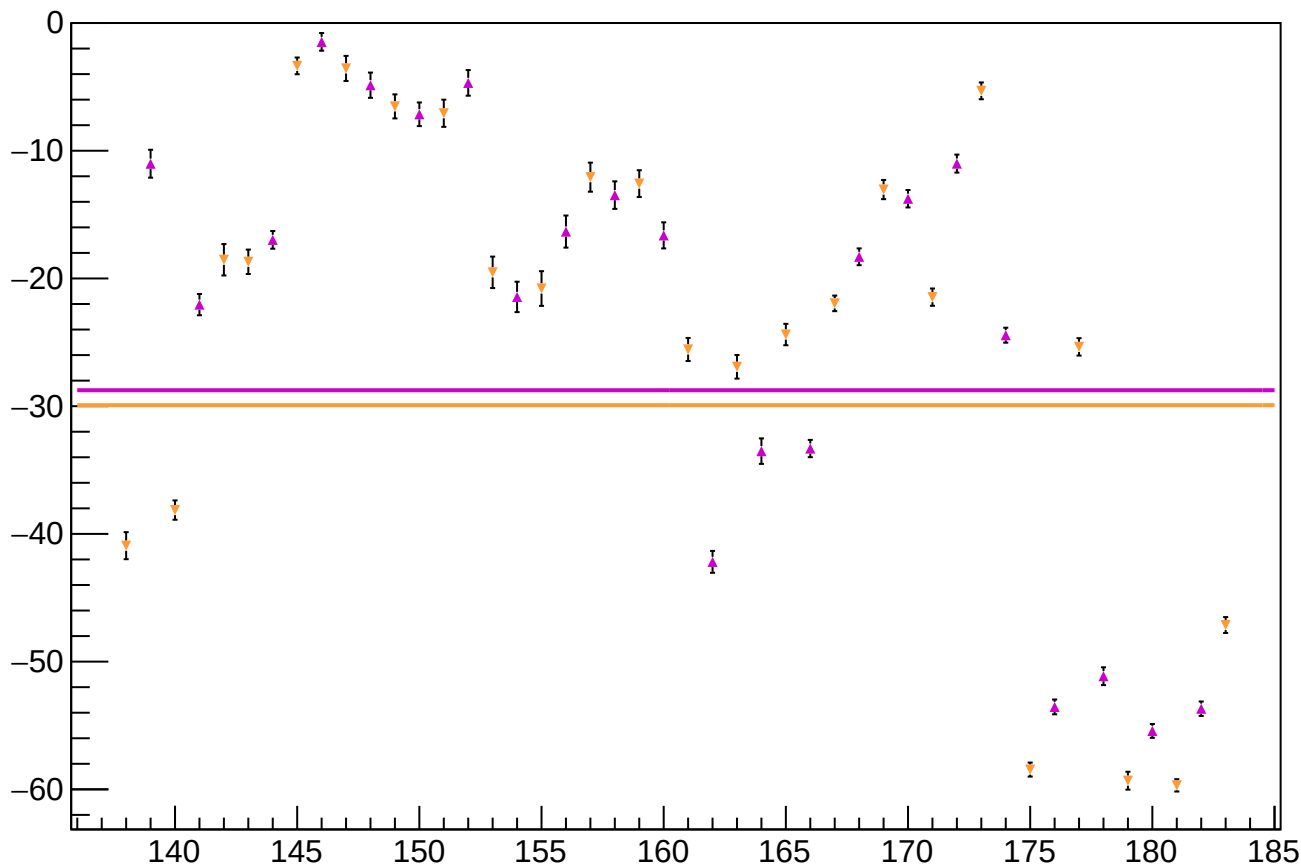
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.125 $\pm$ 0.006 χ^2 /NDF: 2129.8/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.099 $\pm$ 0.006 χ^2 /NDF: 2859.7/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.112 $\pm$ 0.004 χ^2 /NDF: 4999.8/45
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -29.921+/-0.159 χ^2/NDF :15904.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

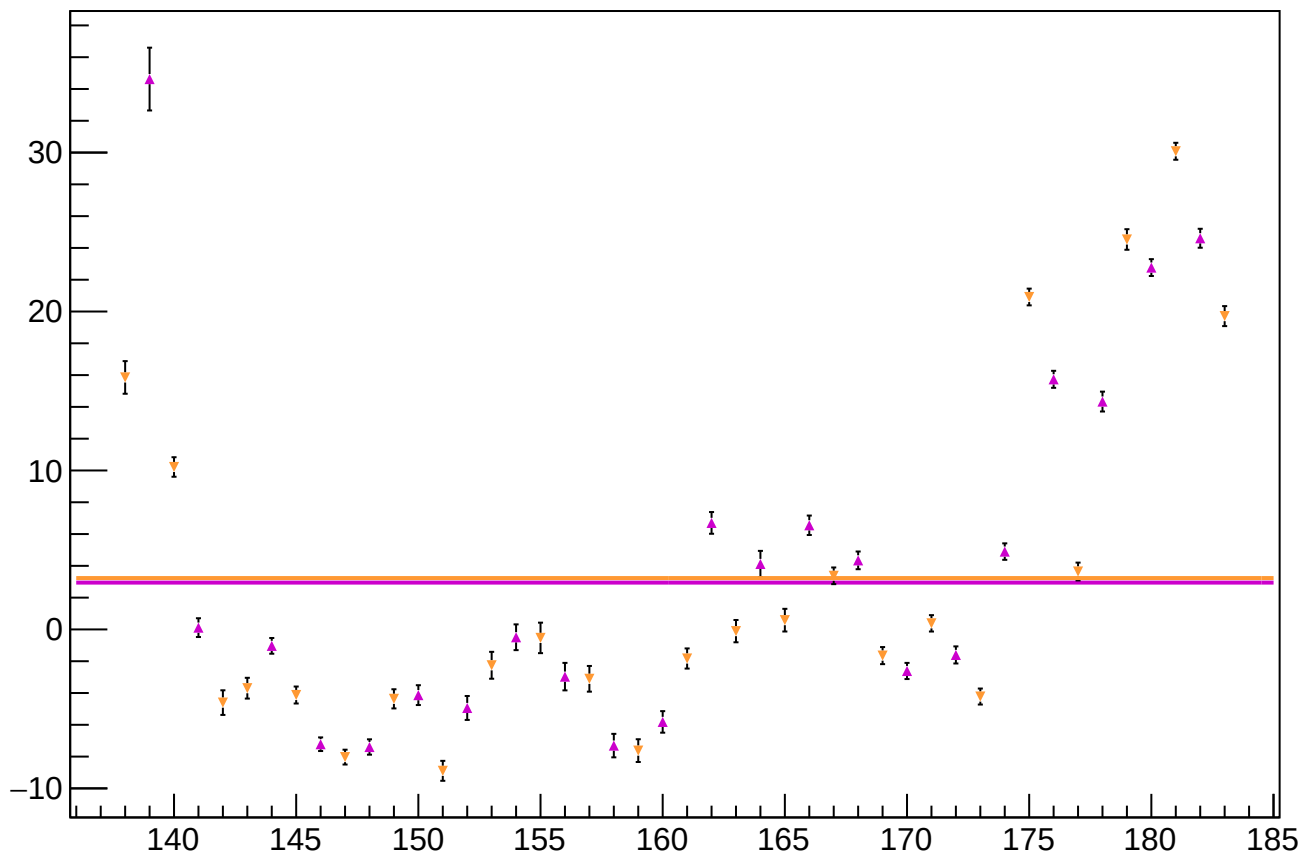
Left In: -28.751+/-0.162 χ^2/NDF :13310.8/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -29.347+/-0.113 χ^2/NDF : 29241.7/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

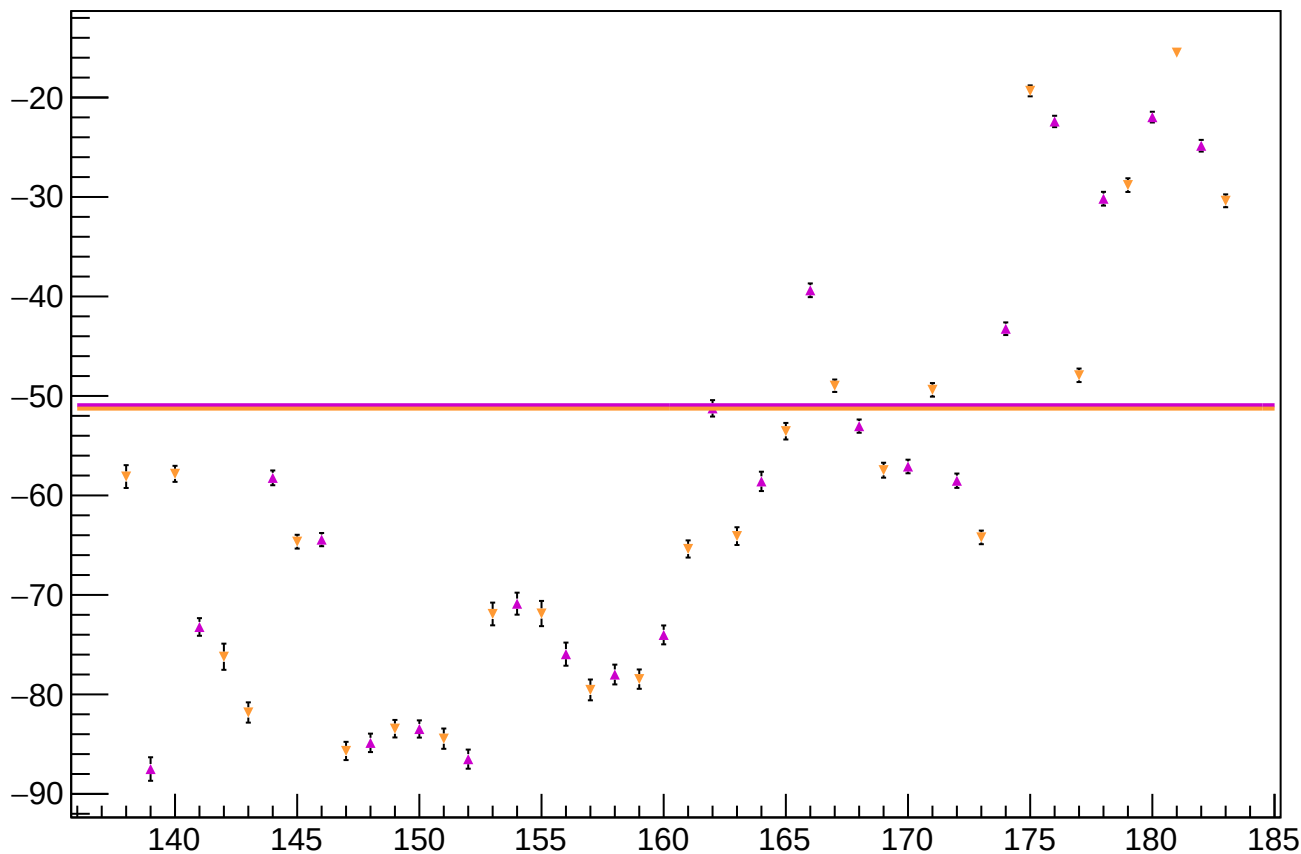
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.232+/-0.126 χ^2/NDF : 8010.9/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.946+/-0.128 χ^2/NDF : 5926.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 3.092+/-0.090 χ^2/NDF : 13939.8/45
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -51.273 $\pm$ 0.160 χ^2 /NDF:19129.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

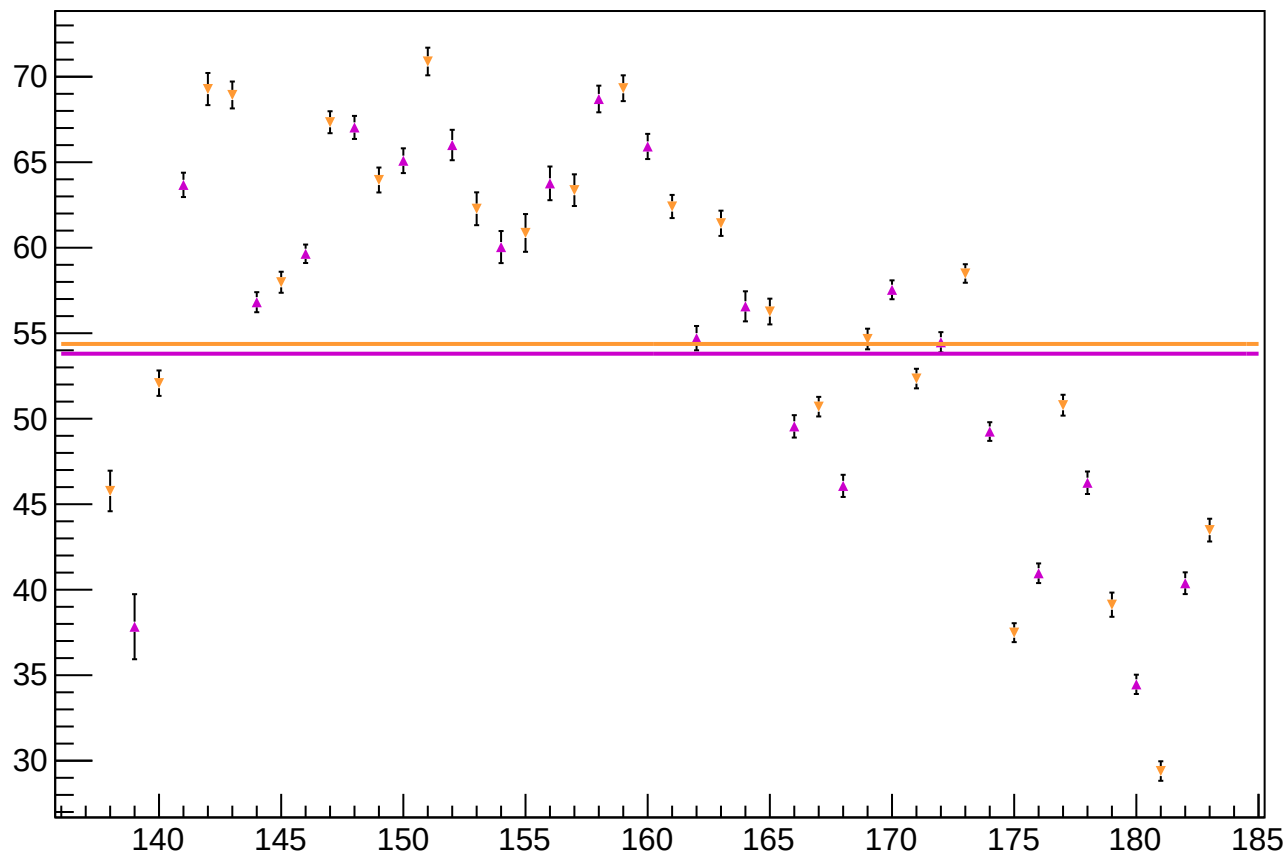
Left In: -50.931 $\pm$ 0.162 χ^2 /NDF:17258.4/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -51.105 $\pm$ 0.114 χ^2 /NDF: 36390.1/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 54.373+/-0.142 χ^2/NDF : 6238.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

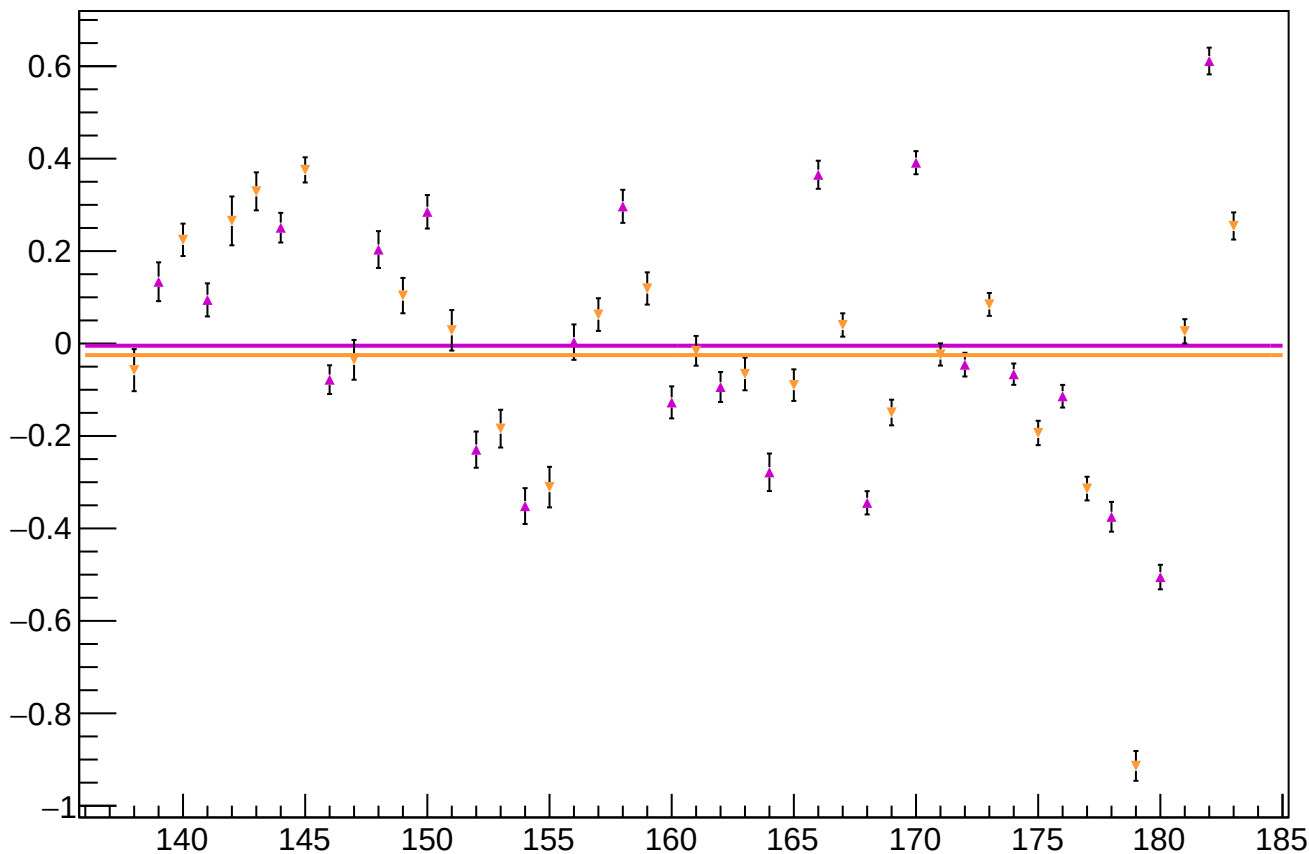
Left In: 53.802+/-0.144 χ^2/NDF : 4567.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 54.093+/-0.101 χ^2/NDF : 10814.5/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.025 $\pm$ 0.007 χ^2 /NDF:1538.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

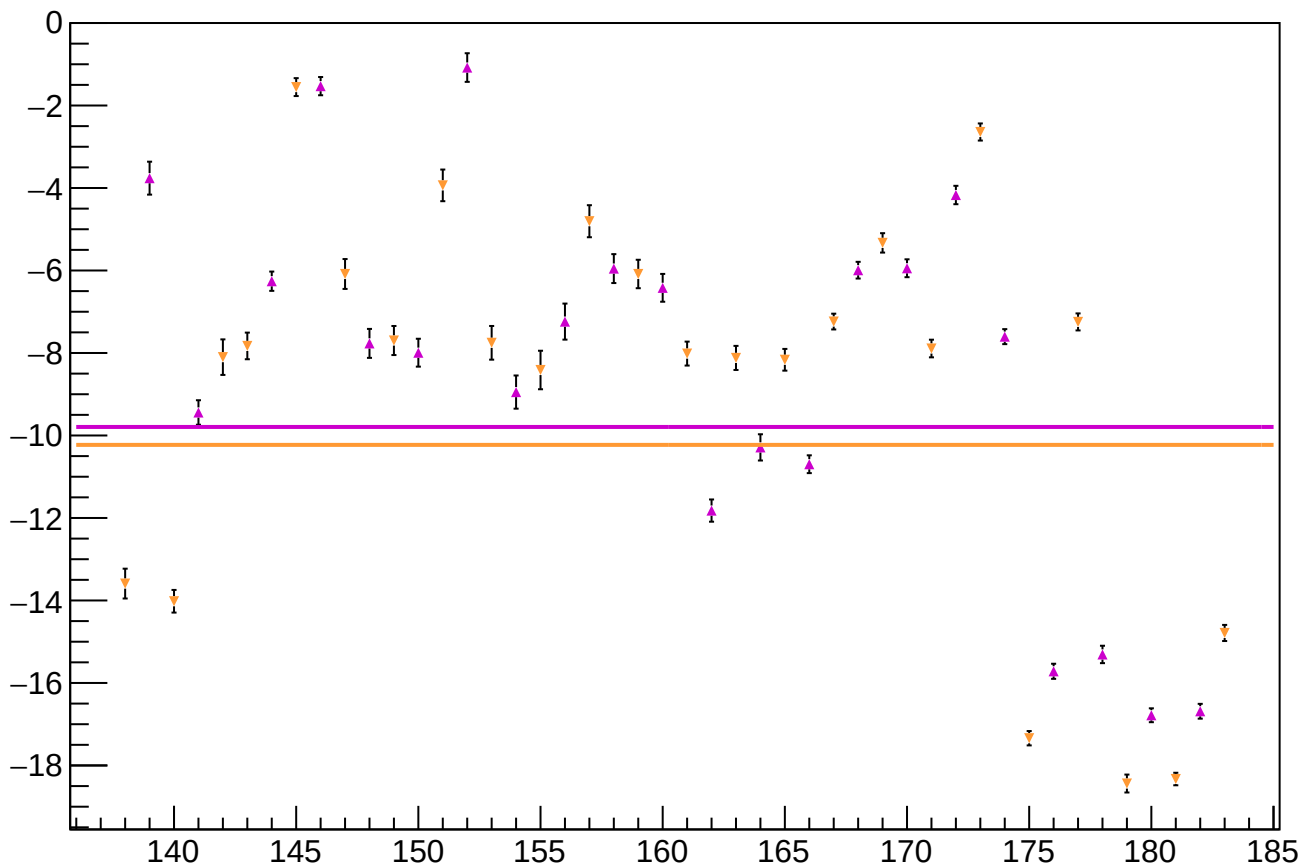
Left In: -0.005 $\pm$ 0.007 χ^2 /NDF:1982.3/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -0.015 $\pm$ 0.005 χ^2 /NDF: 3525.8/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -10.228 $\pm$ 0.051 χ^2 /NDF: 11801.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

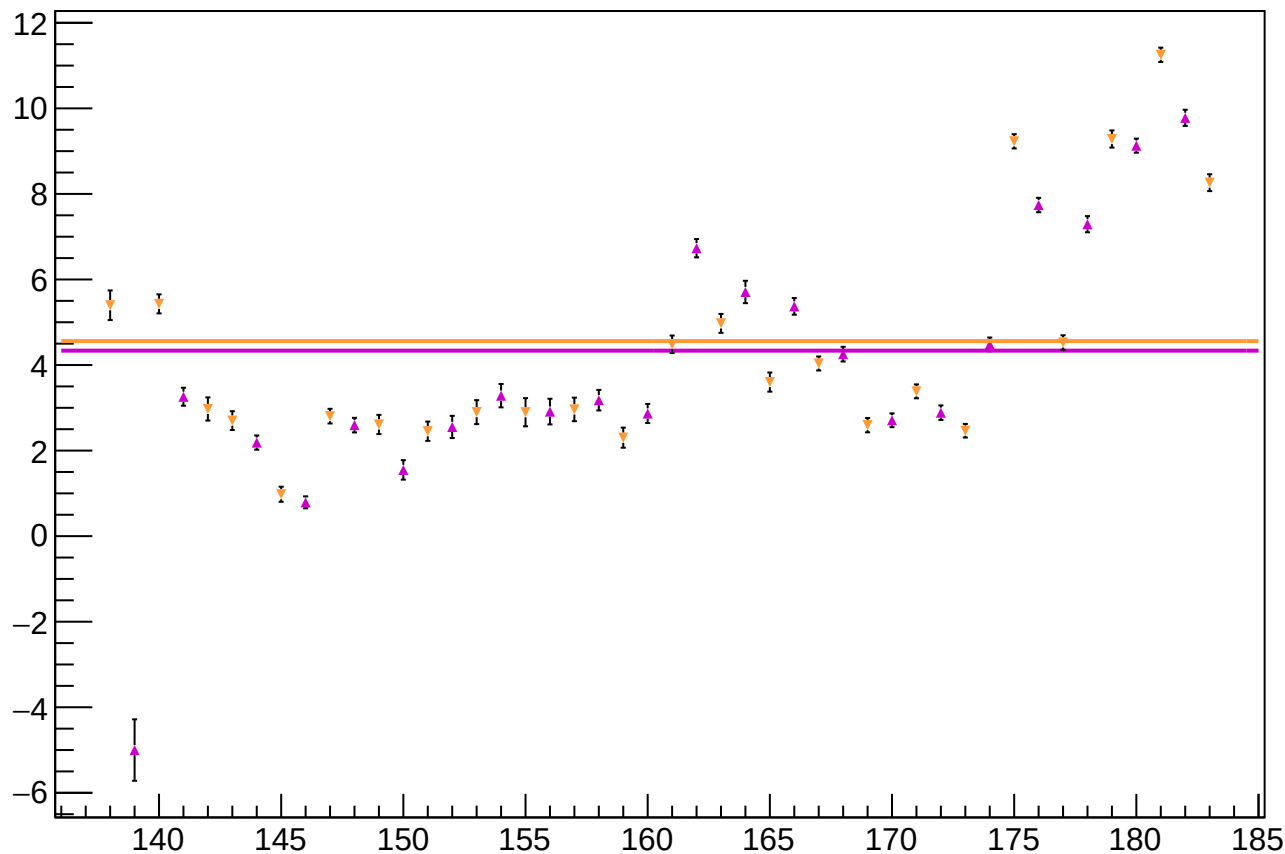
Left In: -9.793 $\pm$ 0.052 χ^2 /NDF: 9263.6/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -10.014 $\pm$ 0.036 χ^2 /NDF: 21100.2/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 4.559 $\pm$ 0.041 χ^2 /NDF:4673.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

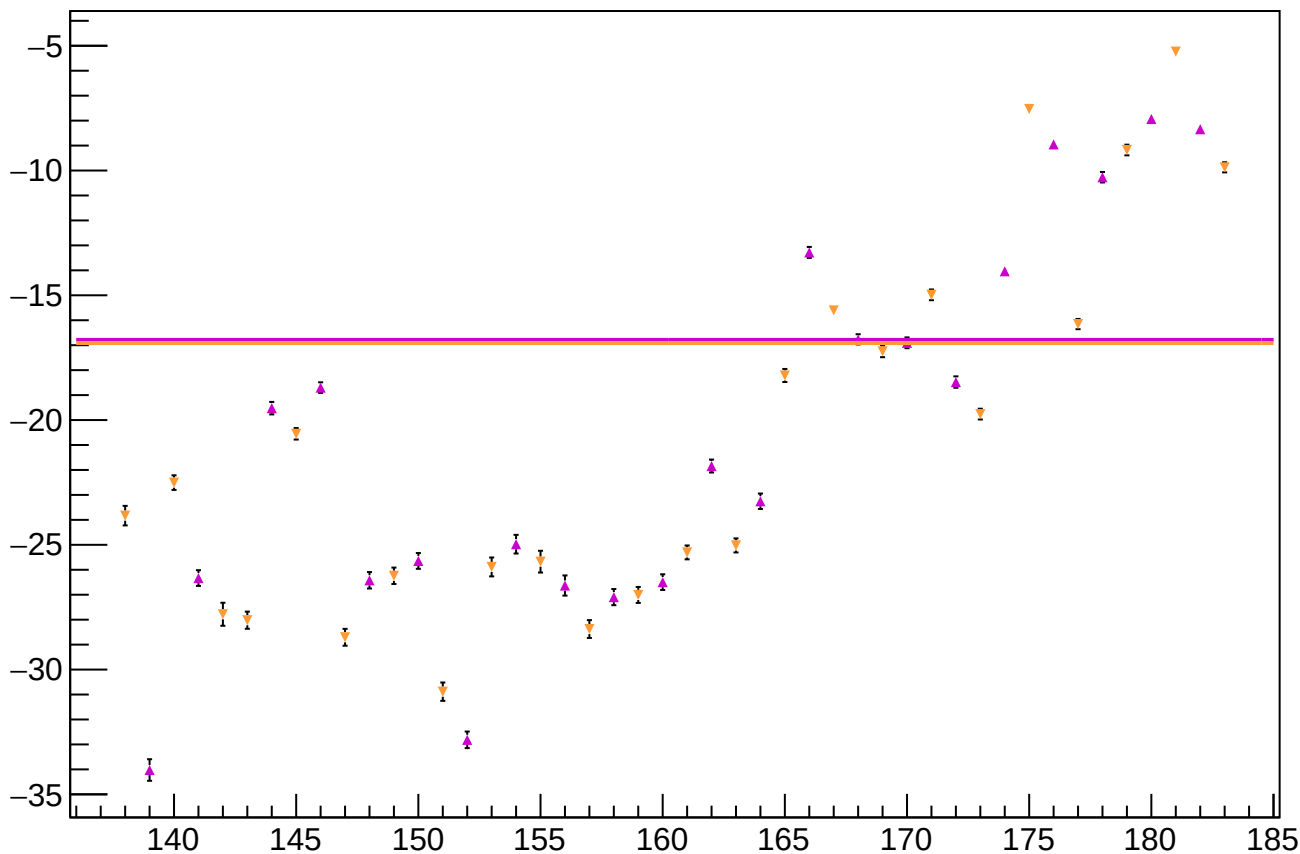
Left In: 4.336 $\pm$ 0.042 χ^2 /NDF:4097.3/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 4.449 $\pm$ 0.029 χ^2 /NDF: 8784.9/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -16.913+/-0.052 χ^2/NDF : 21930.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

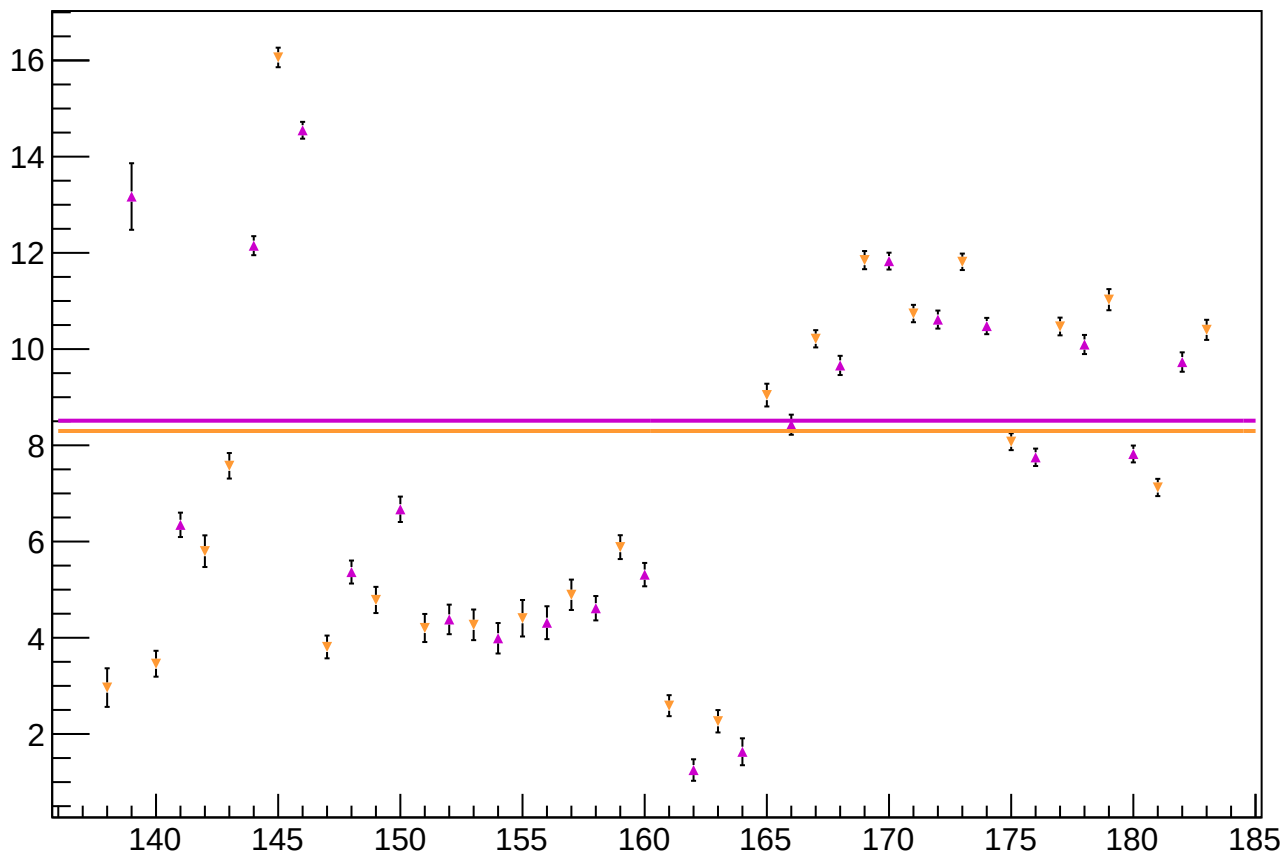
Left In: -16.788+/-0.052 χ^2/NDF : 18722.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -16.851+/-0.037 χ^2/NDF : 40656.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 8.298+/-0.046 χ^2/NDF :6105.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

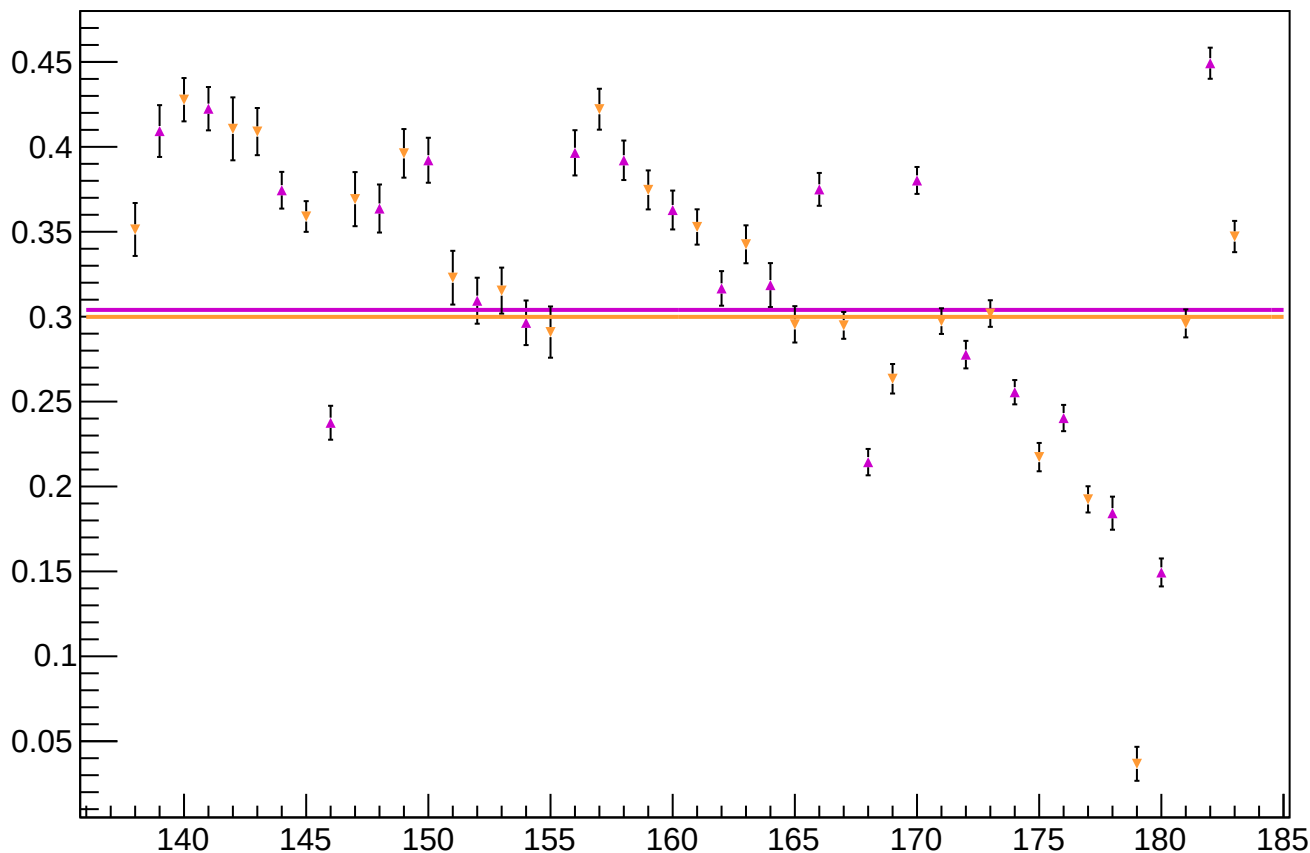
Left In: 8.512+/-0.047 χ^2/NDF :5262.9/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 8.403+/-0.033 χ^2/NDF : 11378.9/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

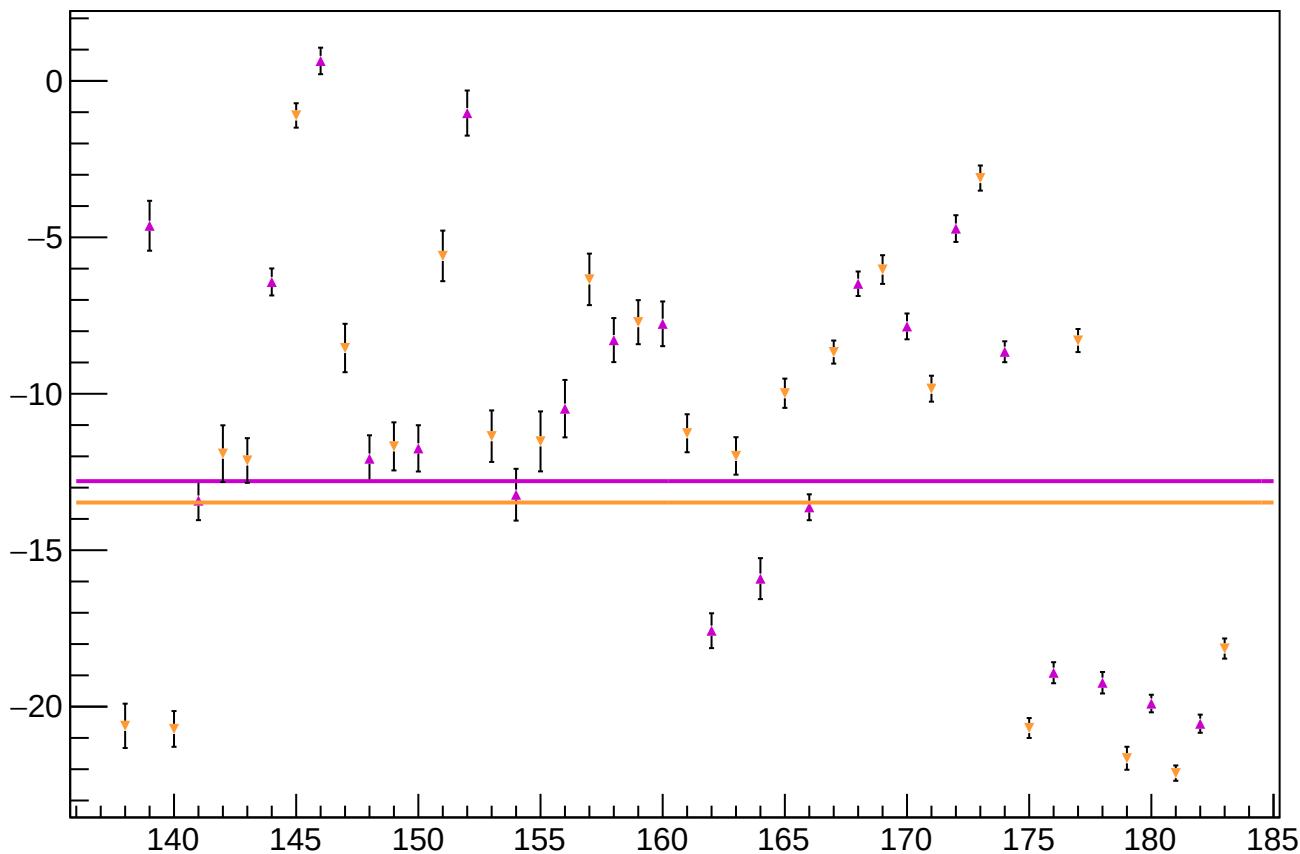
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.300+/-0.002 χ^2/NDF :1534.5/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.304+/-0.002 χ^2/NDF :1576.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.302+/-0.002 χ^2/NDF : 3112.8/45
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -13.475 $\pm$ 0.095 χ^2 /NDF:5482.9/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

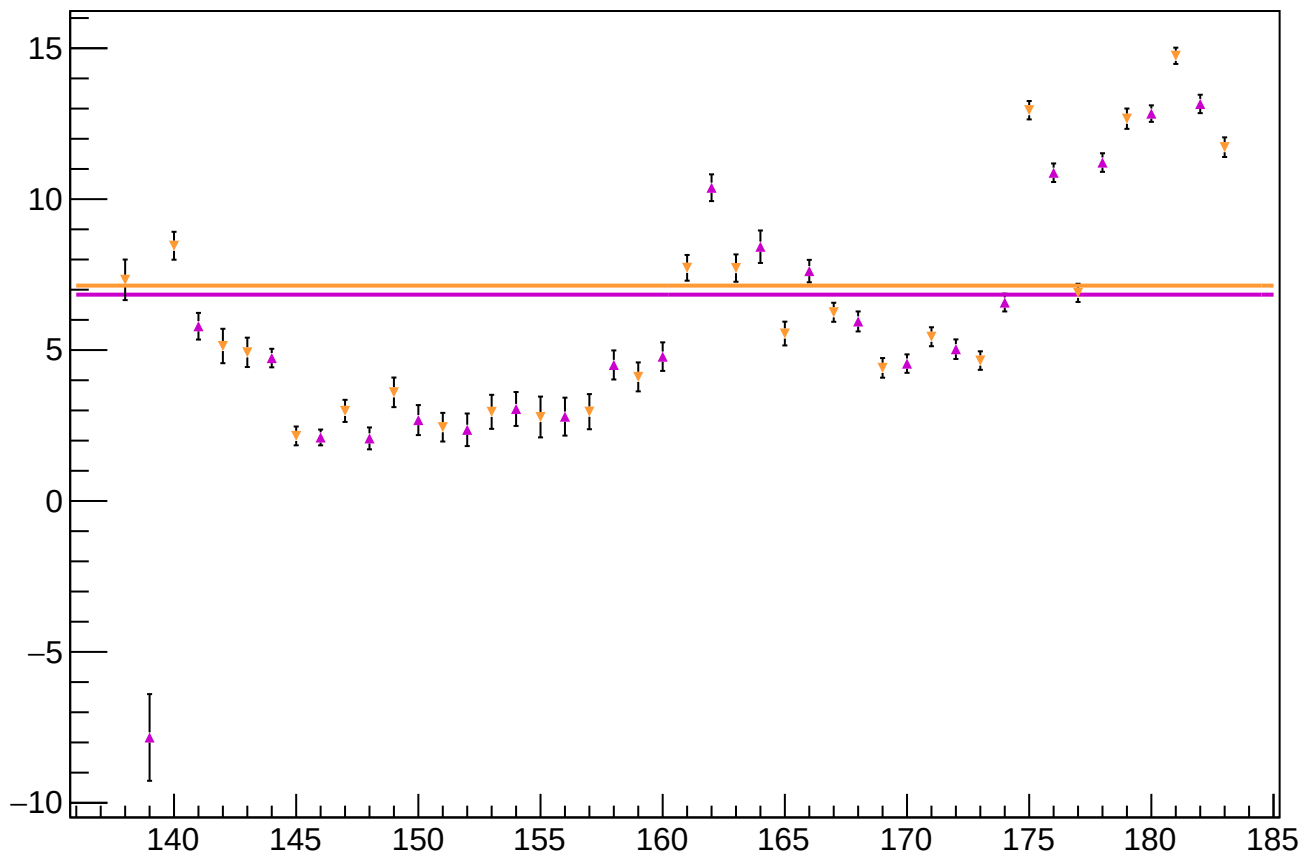
Left In: -12.793 $\pm$ 0.097 χ^2 /NDF:4744.4/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -13.140 $\pm$ 0.068 χ^2 /NDF: 10252.8/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

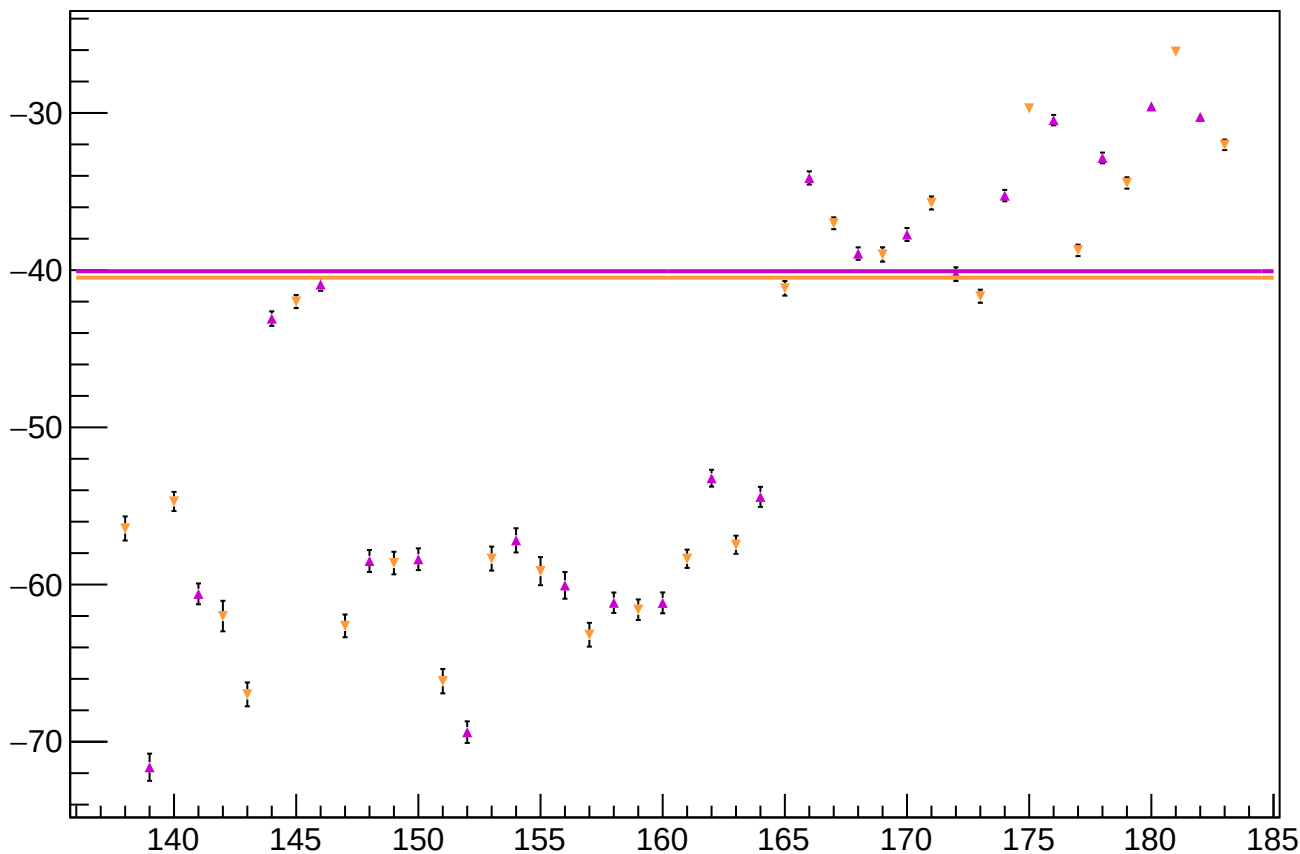
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.135 $\pm$ 0.078 χ^2 /NDF:2585.0/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 6.836 $\pm$ 0.079 χ^2 /NDF:2378.7/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 6.986 $\pm$ 0.055 χ^2 /NDF: 4971.0/45
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -40.478+/-0.096 χ^2/NDF :15607.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

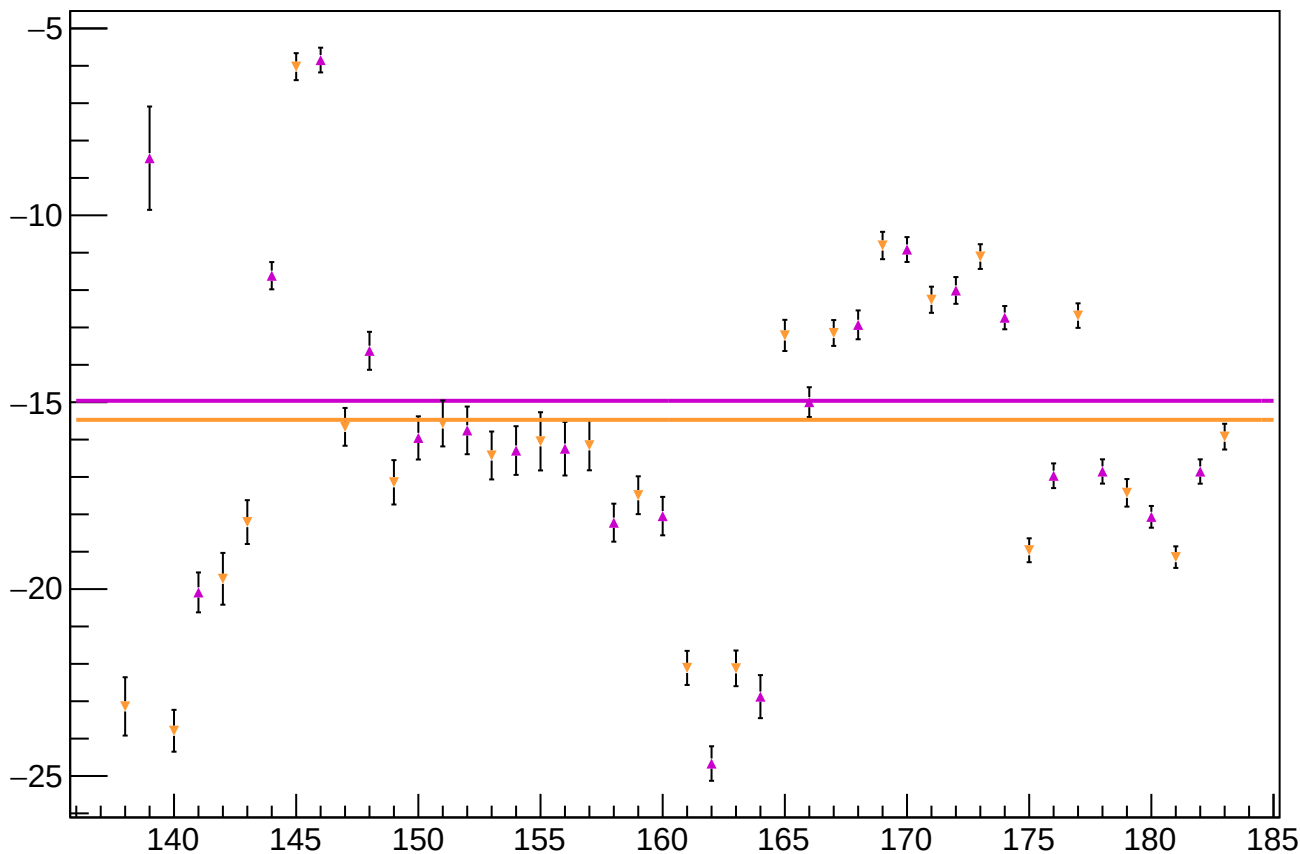
Left In: -40.066+/-0.097 χ^2/NDF :13926.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.274+/-0.068 χ^2/NDF : 29543.0/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -15.471 ± 0.087 χ^2/NDF : 2375.2/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

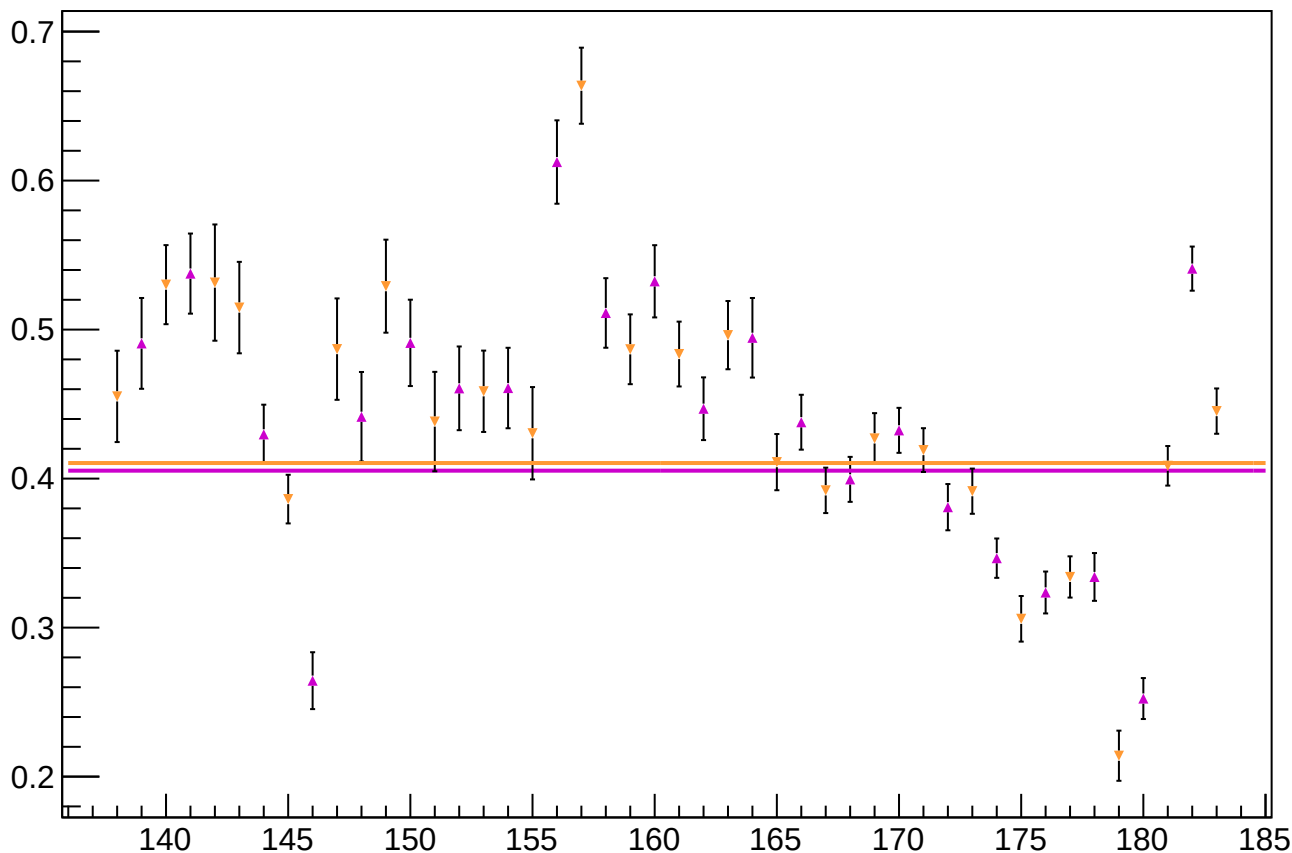
Left In: -14.962 ± 0.088 χ^2/NDF : 2195.7/21

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -15.219 ± 0.062 χ^2/NDF : 4587.8/45

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

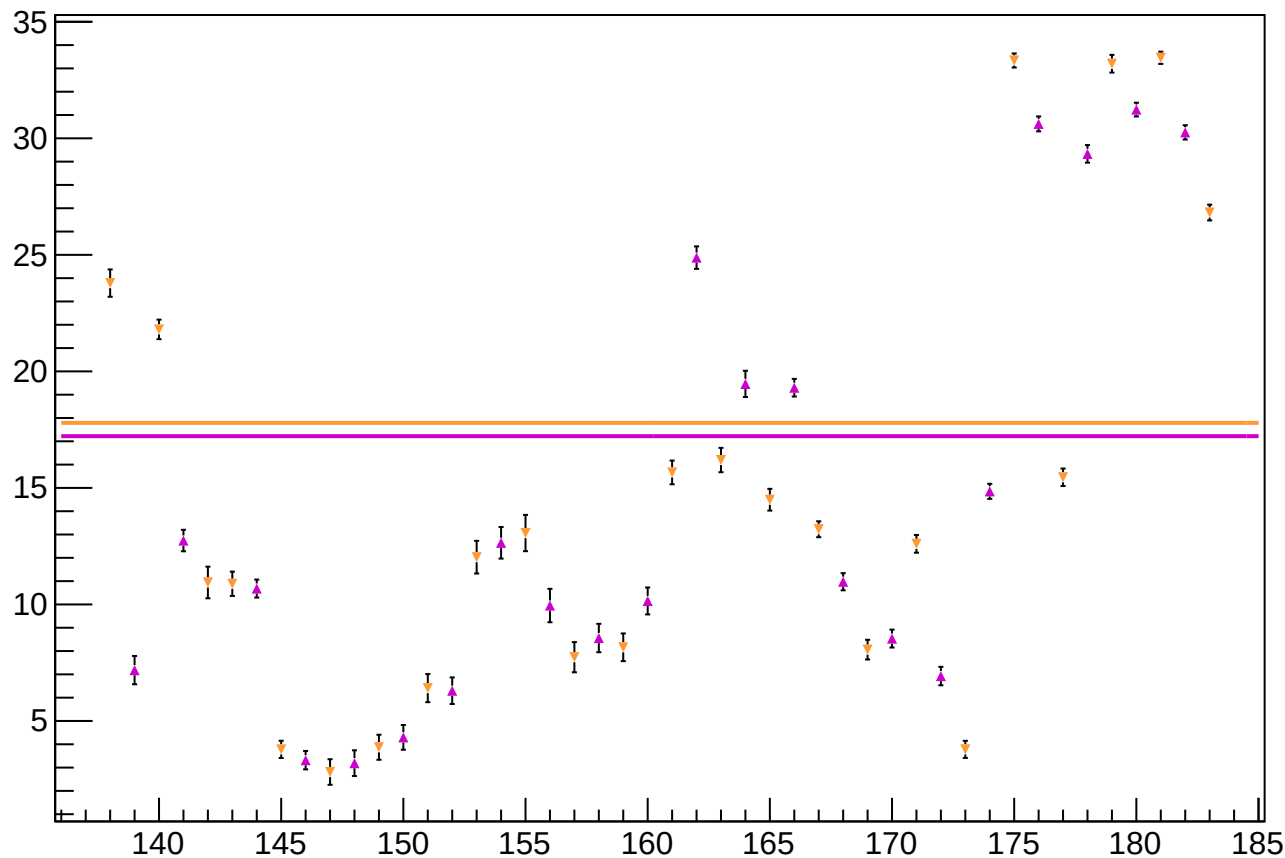
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.410 $\pm$ 0.004 χ^2 /NDF:426.9/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.405 $\pm$ 0.004 χ^2 /NDF:514.2/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.408 $\pm$ 0.003 χ^2 /NDF: 942.0/45
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 17.792+/-0.088 χ^2/NDF :15293.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

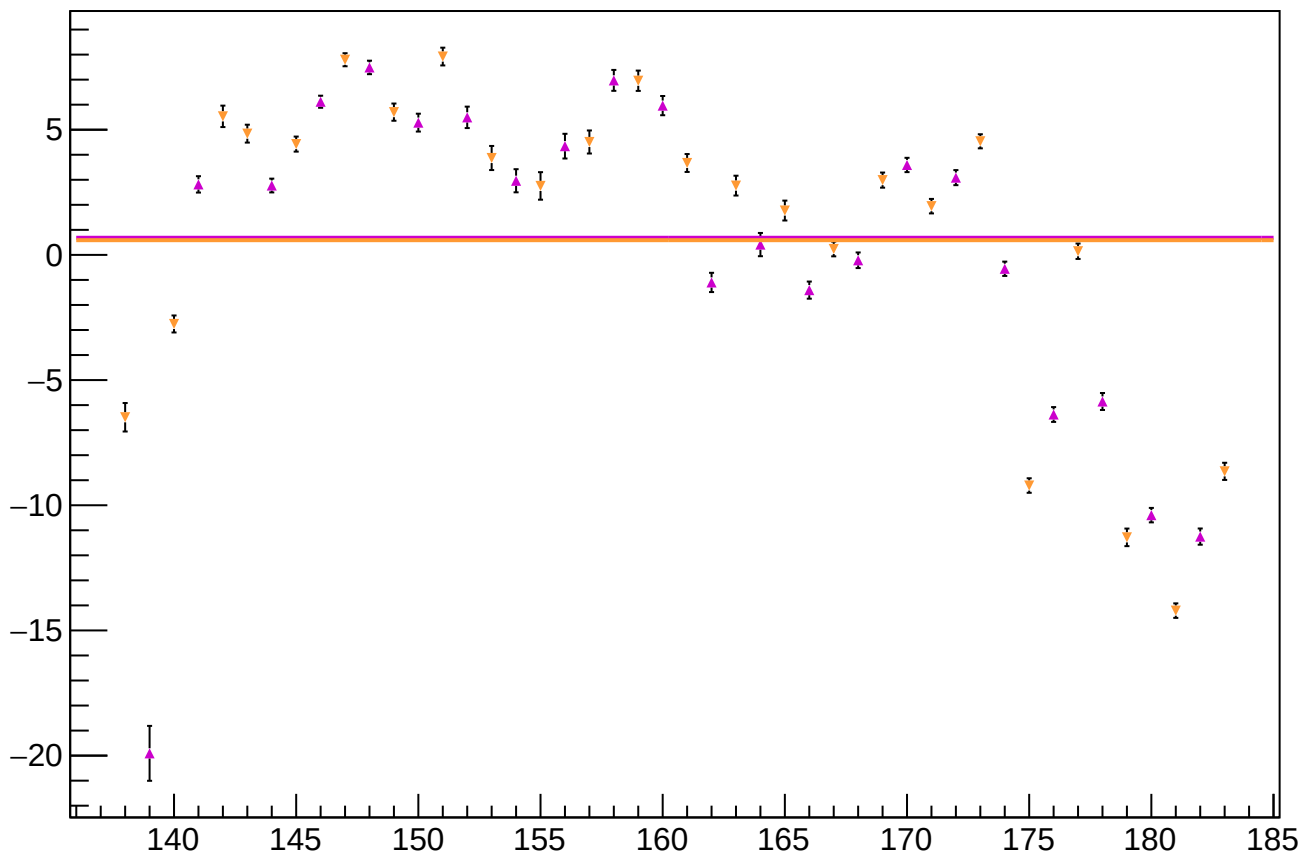
Left In: 17.220+/-0.090 χ^2/NDF :12650.2/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 17.512+/-0.063 χ^2/NDF : 27964.3/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.588 $\pm$ 0.070 χ^2 /NDF:8492.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

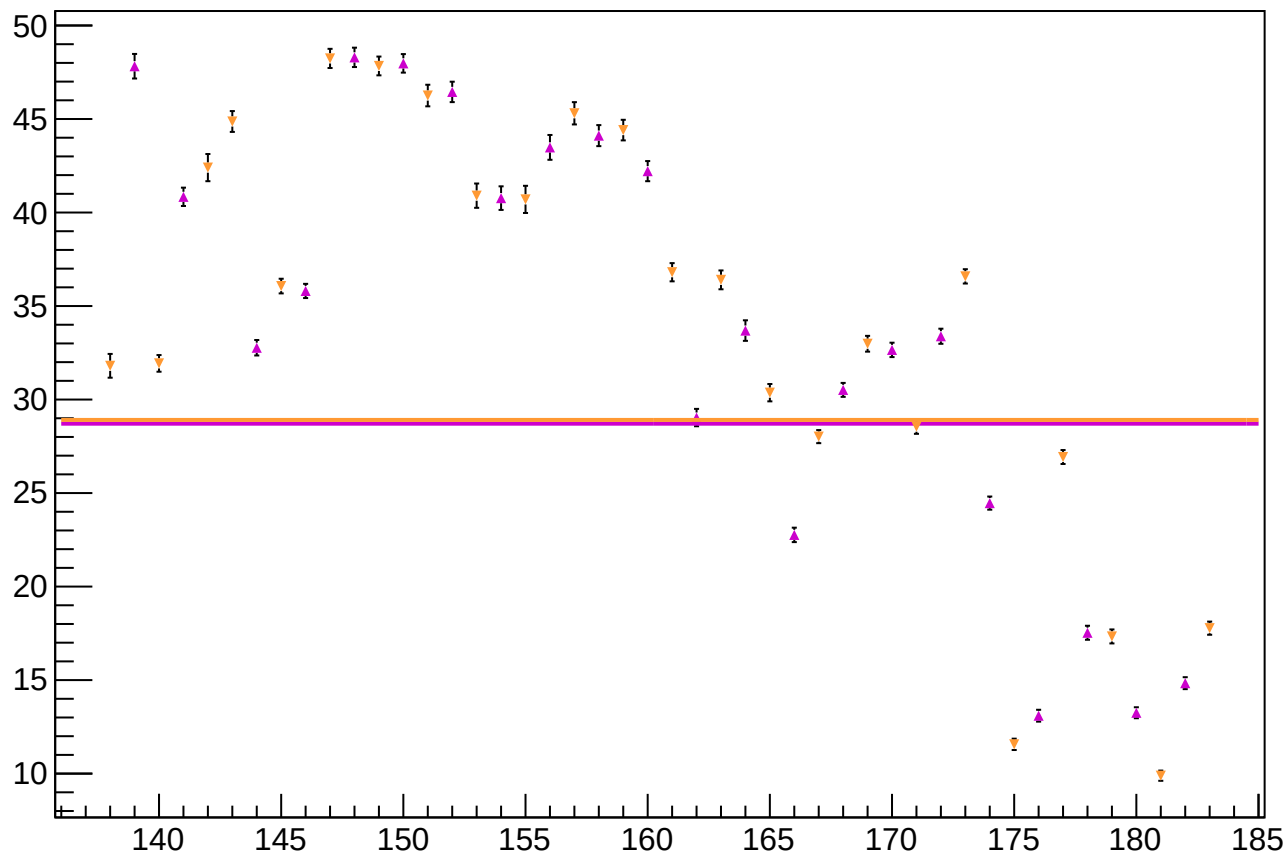
Left In: 0.684 $\pm$ 0.071 χ^2 /NDF:6406.8/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.635 $\pm$ 0.050 χ^2 /NDF: 14900.3/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 28.911+/-0.089 χ^2/NDF :18555.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

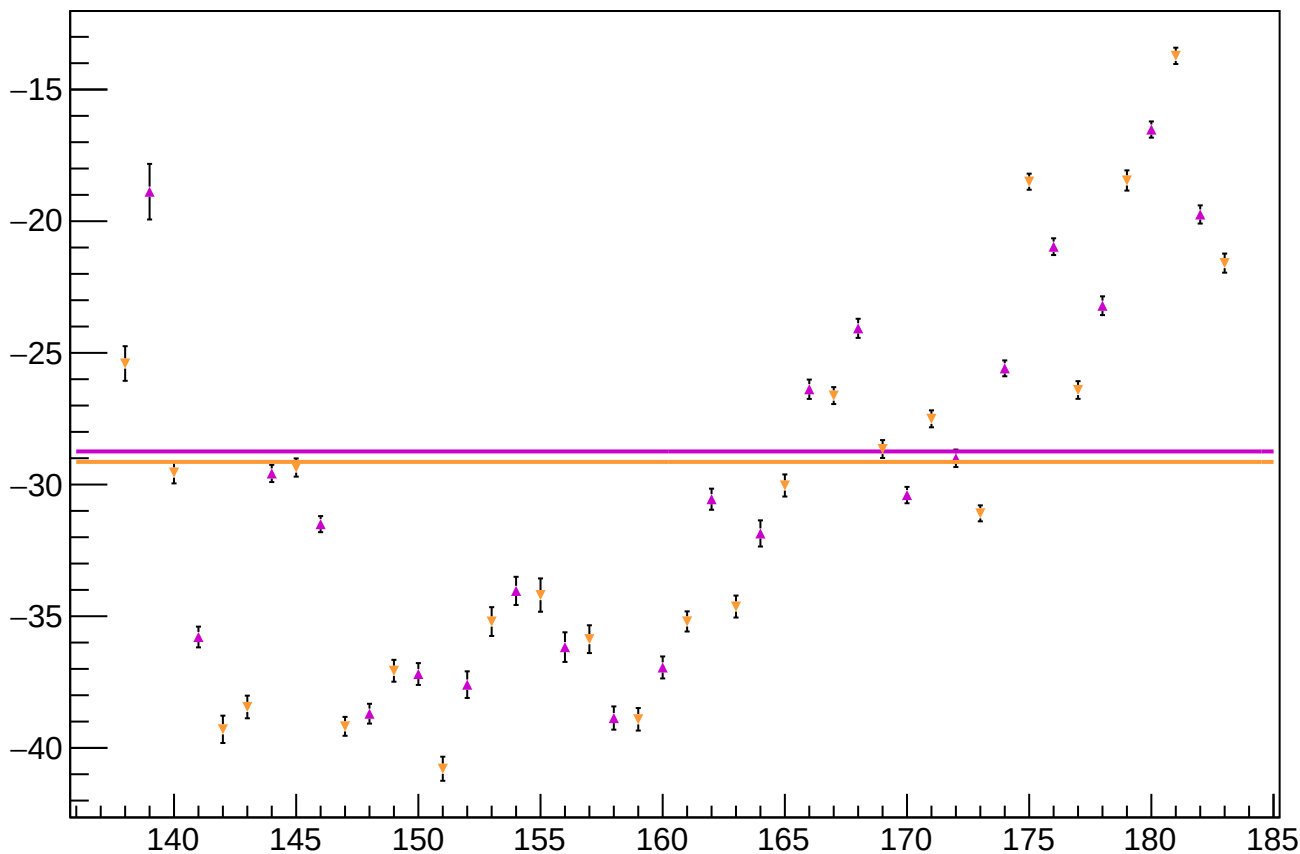
Left In: 28.710+/-0.090 χ^2/NDF :16837.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 28.812+/-0.063 χ^2/NDF : 35395.3/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -29.140+/-0.079 χ^2/NDF : 9069.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

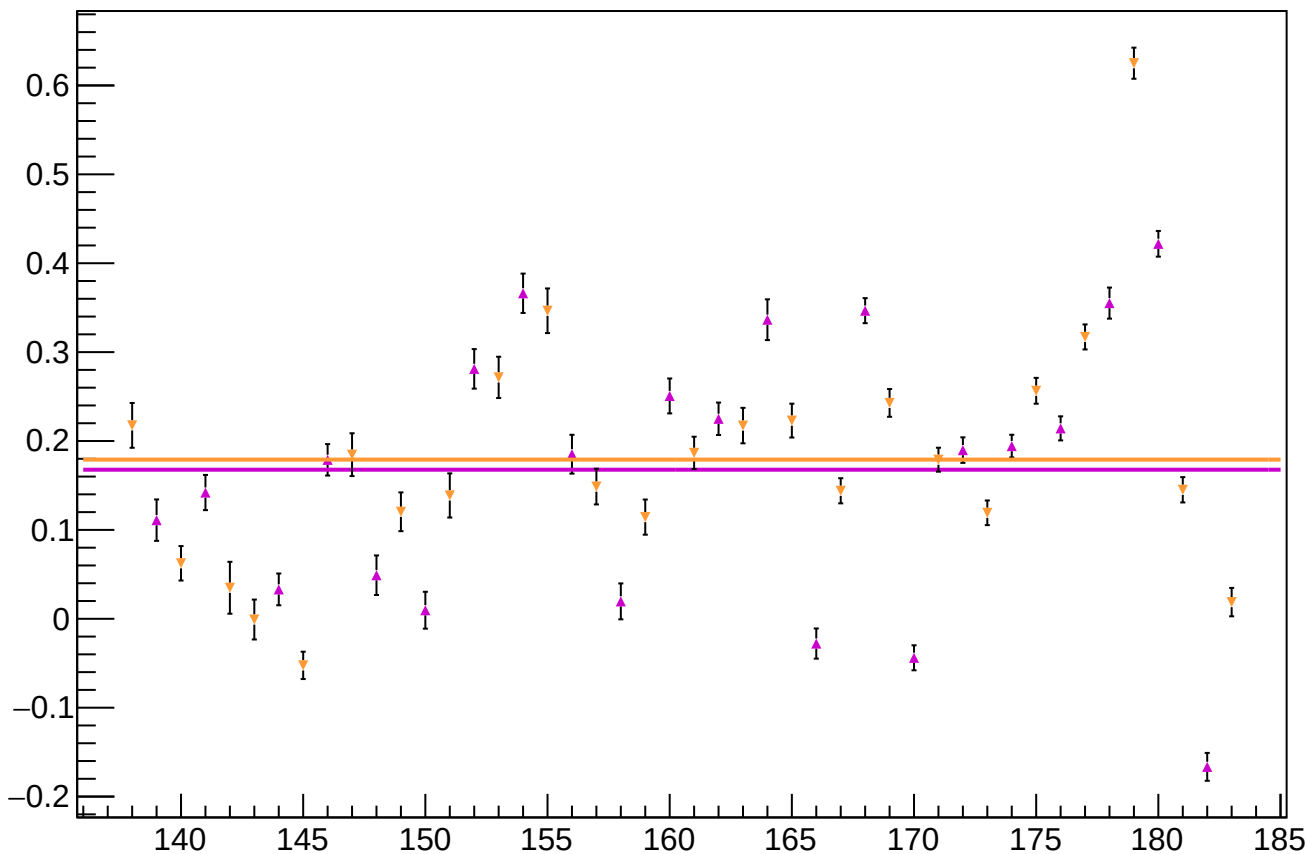
Left In: -28.743+/-0.080 χ^2/NDF : 6608.5/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -28.945+/-0.056 χ^2/NDF : 15690.5/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.179 $\pm$ 0.004 χ^2 /NDF:1368.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

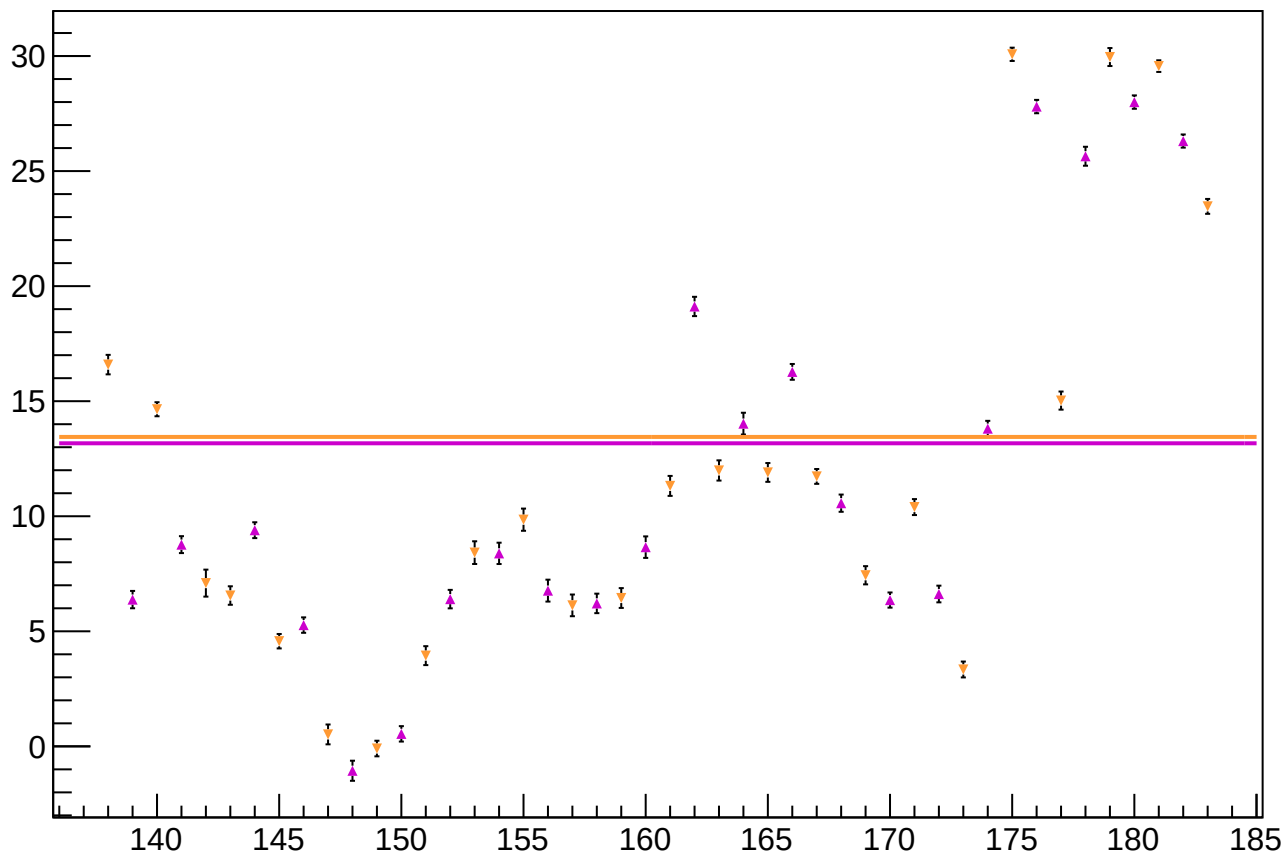
Left In: 0.168 $\pm$ 0.004 χ^2 /NDF:1810.7/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.173 $\pm$ 0.003 χ^2 /NDF: 3183.7/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 13.447+/-0.076 χ^2/NDF :16339.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

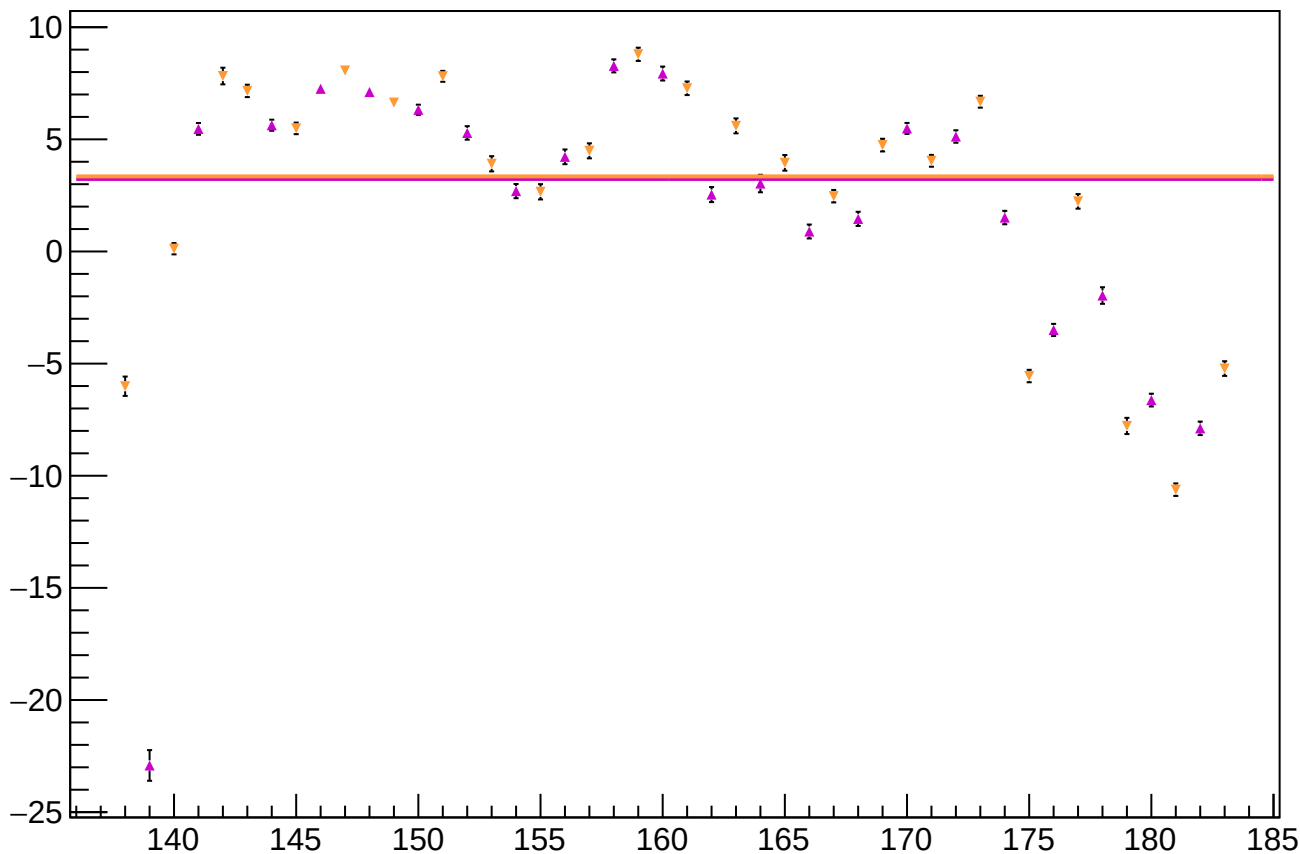
Left In: 13.170+/-0.078 χ^2/NDF :13821.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 13.312+/-0.054 χ^2/NDF : 30167.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 3.348+/-0.059 χ^2/NDF : 8057.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

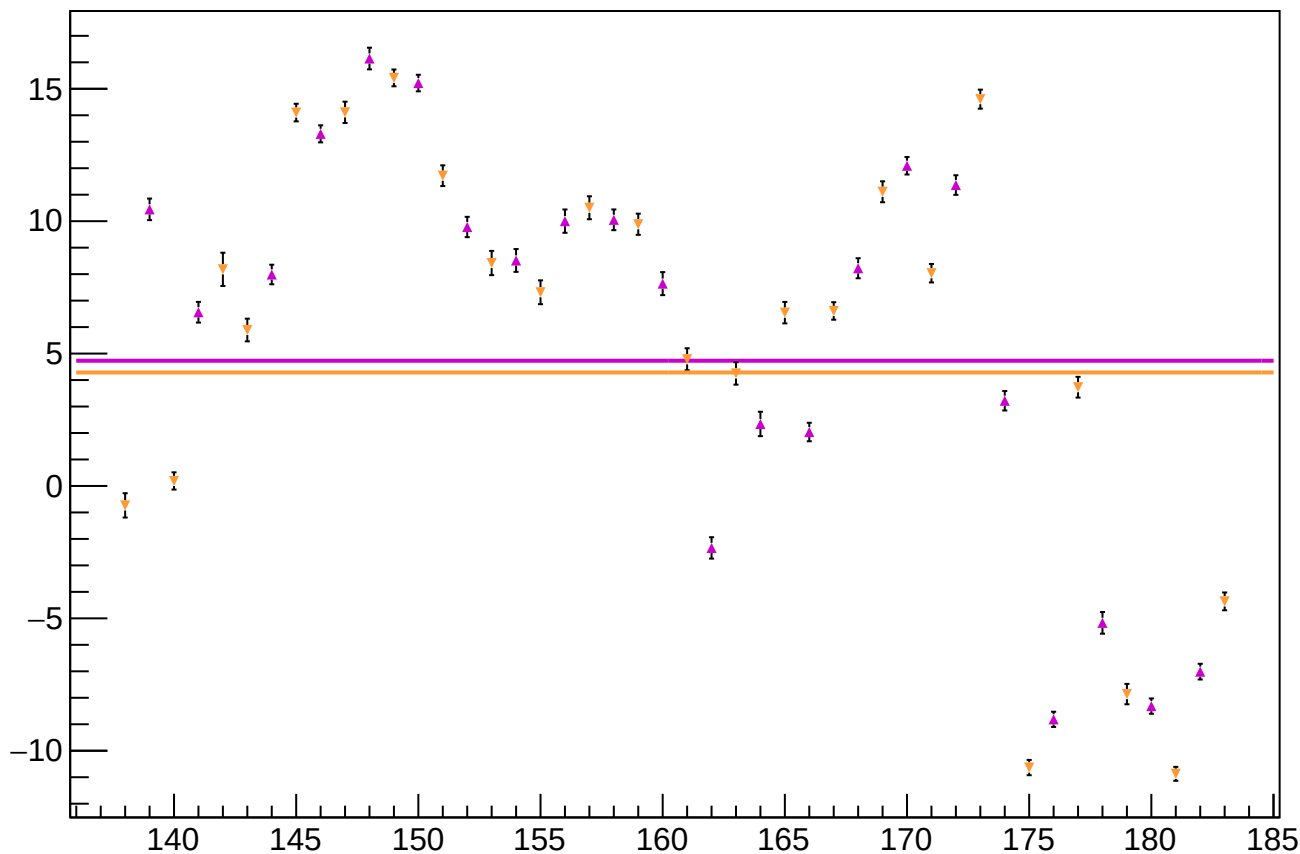
Left In: 3.236+/-0.061 χ^2/NDF : 6706.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 3.294+/-0.042 χ^2/NDF : 14766.0/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 4.286+/-0.076 χ^2/NDF :12885.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

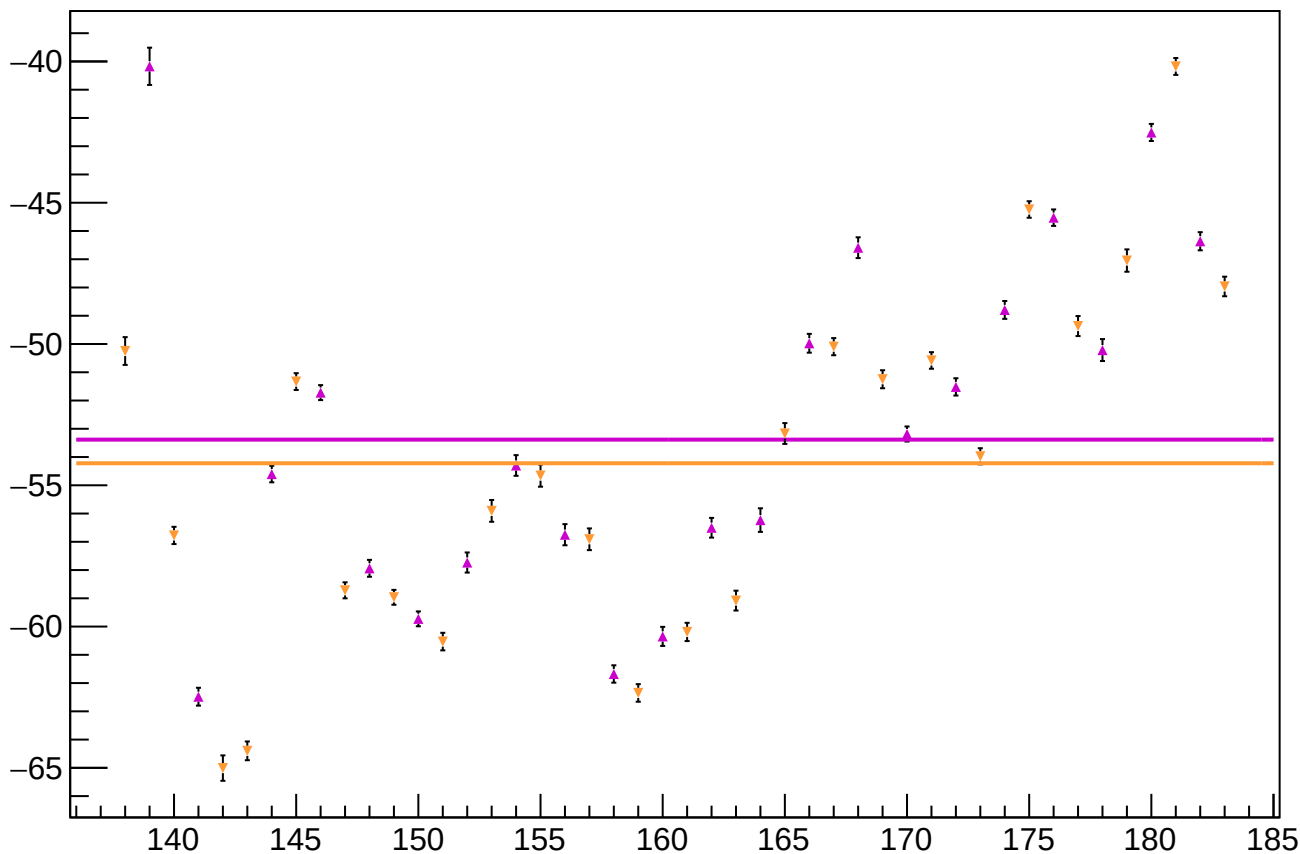
Left In: 4.730+/-0.078 χ^2/NDF :11243.5/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4.504+/-0.054 χ^2/NDF : 24145.3/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -54.221 $\pm$ 0.067 χ^2 /NDF:8448.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

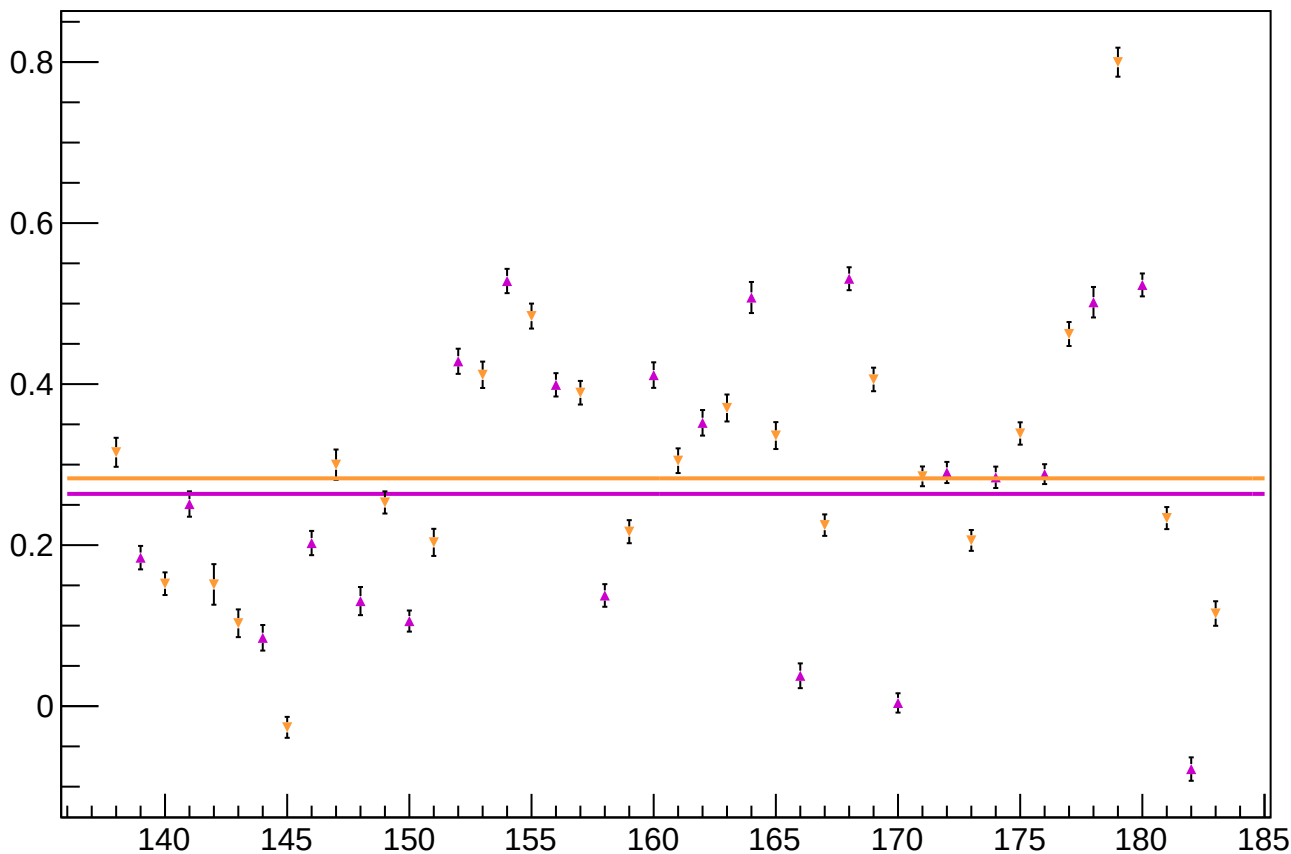
Left In: -53.384 $\pm$ 0.069 χ^2 /NDF:6873.2/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -53.815 $\pm$ 0.048 χ^2 /NDF: 15397.4/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.283+/-0.003 χ^2/NDF :2405.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

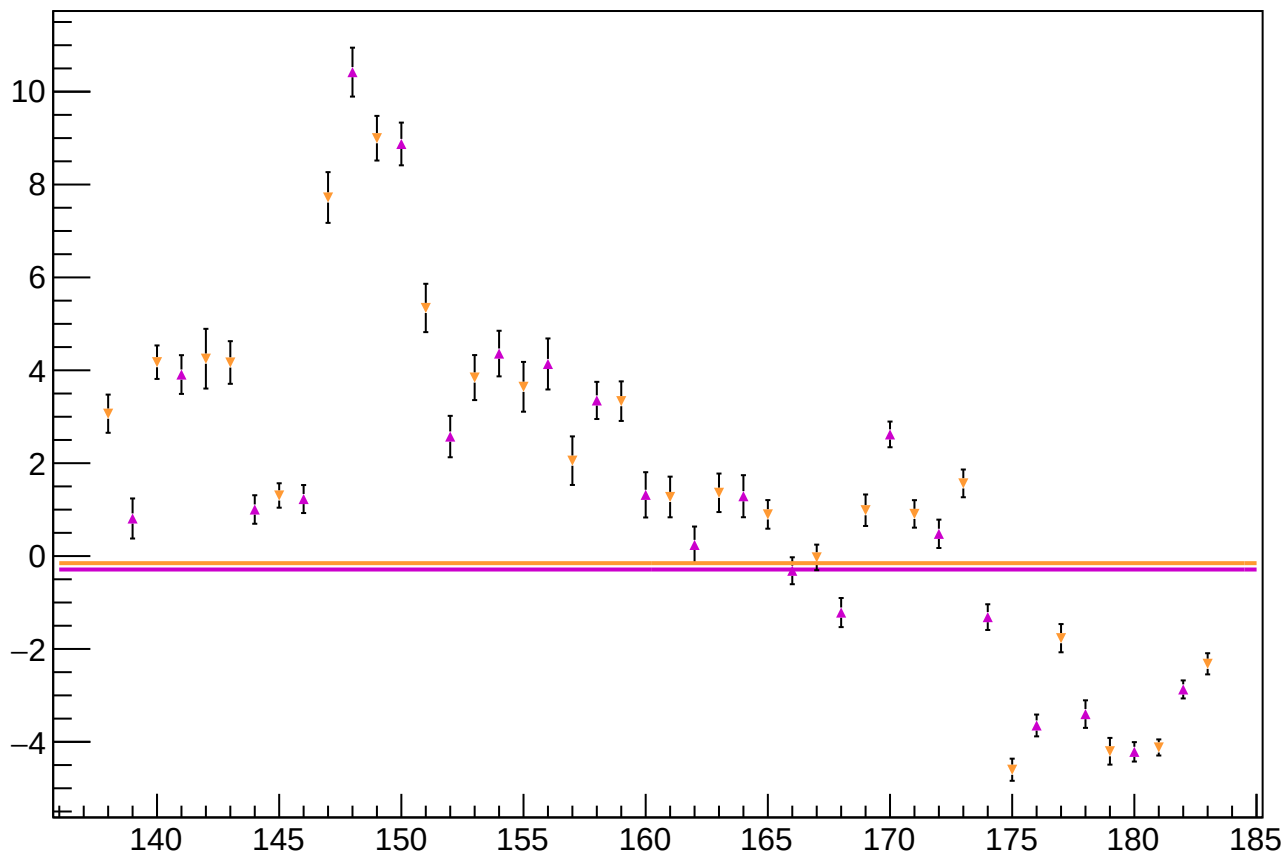
Left In: 0.264+/-0.003 χ^2/NDF :3328.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.273+/-0.002 χ^2/NDF : 5752.7/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

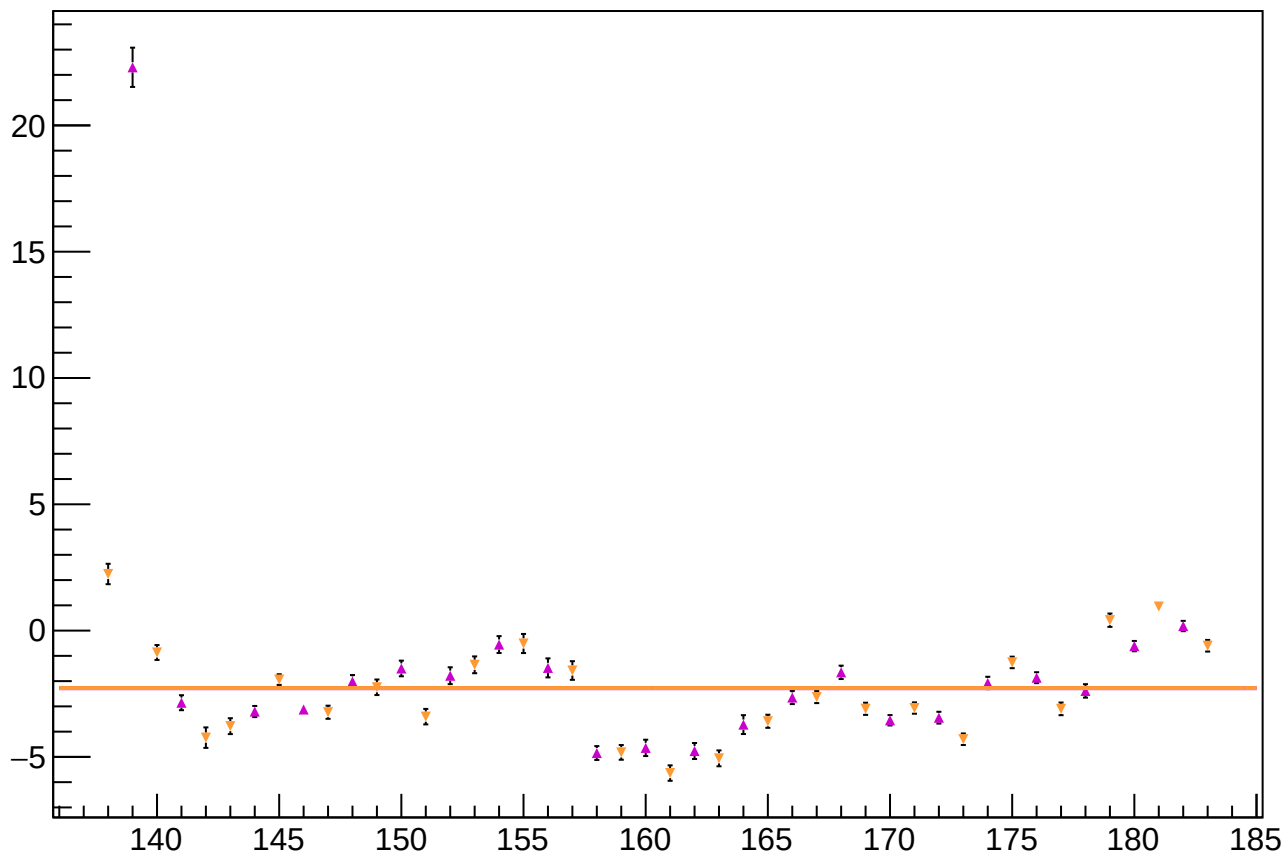
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.153+/-0.067 χ^2/NDF : 2538.5/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.290+/-0.069 χ^2/NDF : 2247.9/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -0.220+/-0.048 χ^2/NDF : 4788.4/45
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

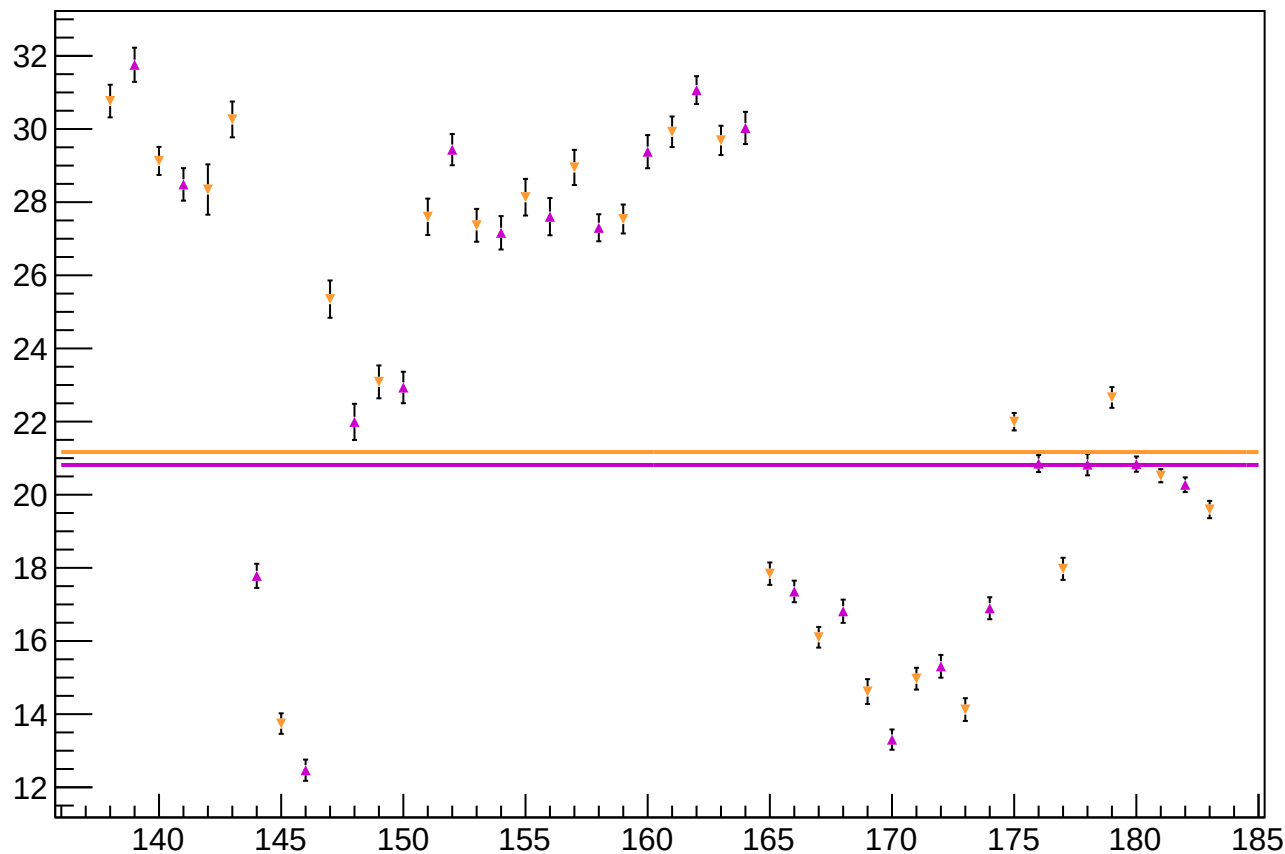
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



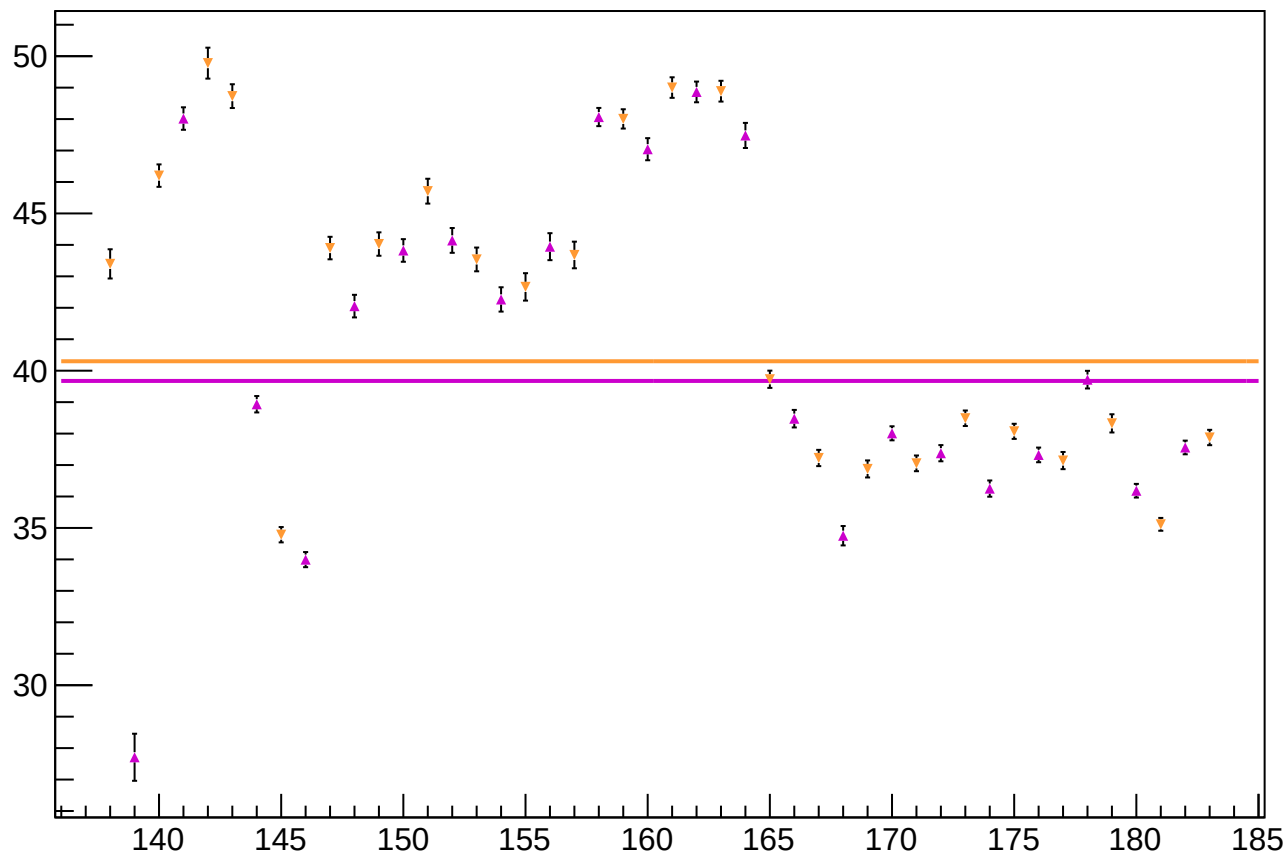
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.274 $\pm$ 0.055 χ^2 /NDF:1135.0/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.278 $\pm$ 0.056 χ^2 /NDF:1586.6/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -2.276 $\pm$ 0.039 χ^2 /NDF: 2721.6/45
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



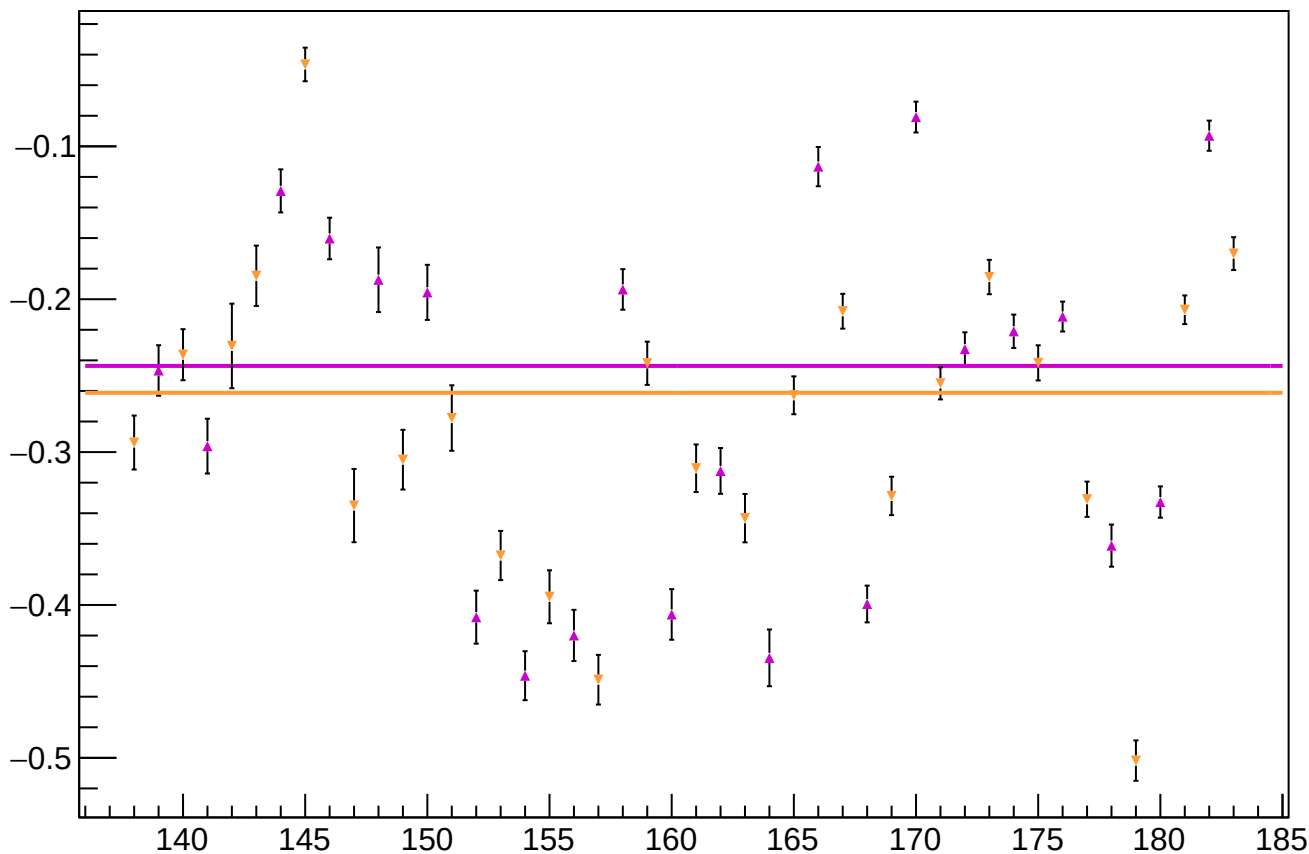
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 40.300+/-0.061 χ^2/NDF : 5805.9/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 39.674+/-0.062 χ^2/NDF : 5294.8/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 39.992+/-0.044 χ^2/NDF : 11152.2/45
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -0.261 $\pm$ 0.003 χ^2/NDF :1267.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

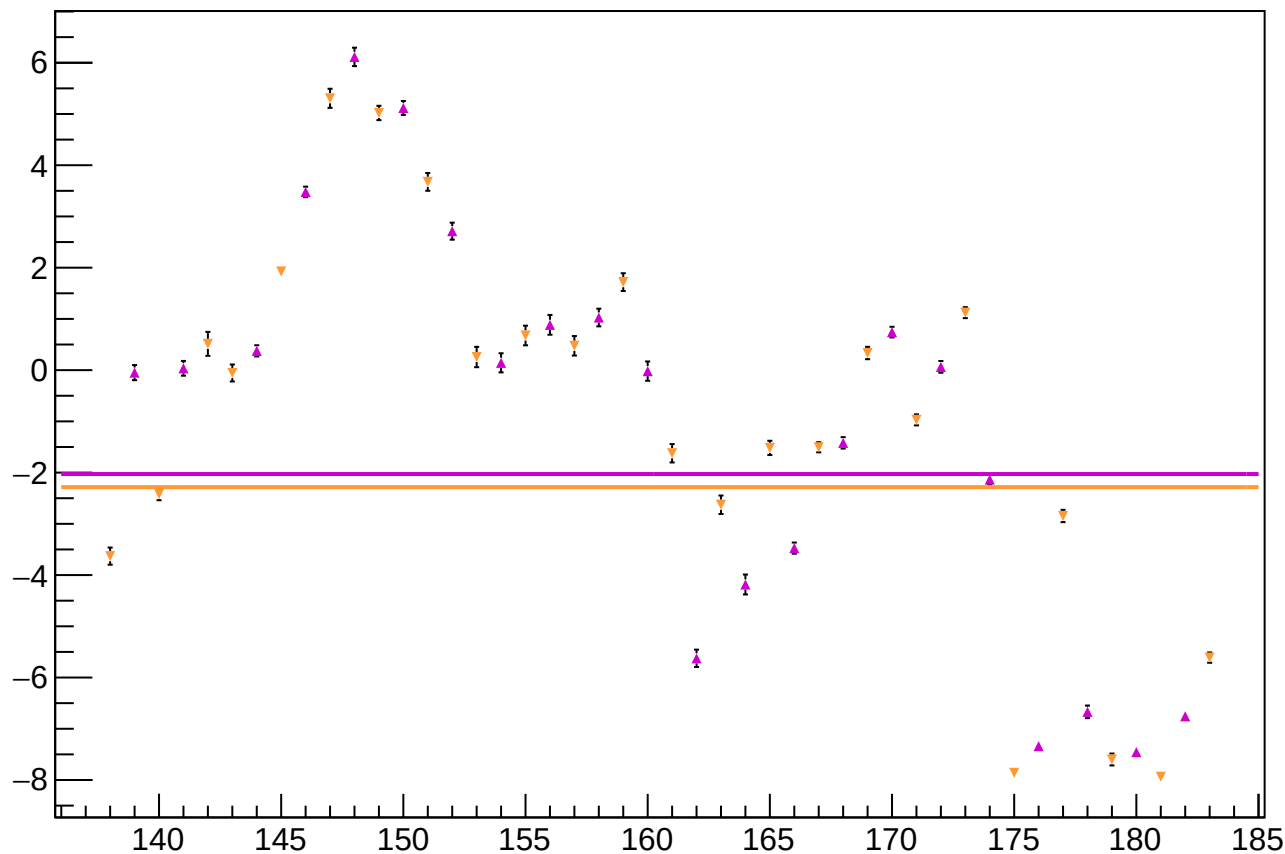
Left In: -0.244 $\pm$ 0.003 χ^2/NDF :1654.2/21

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: -0.253 $\pm$ 0.002 χ^2/NDF : 2941.1/45

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

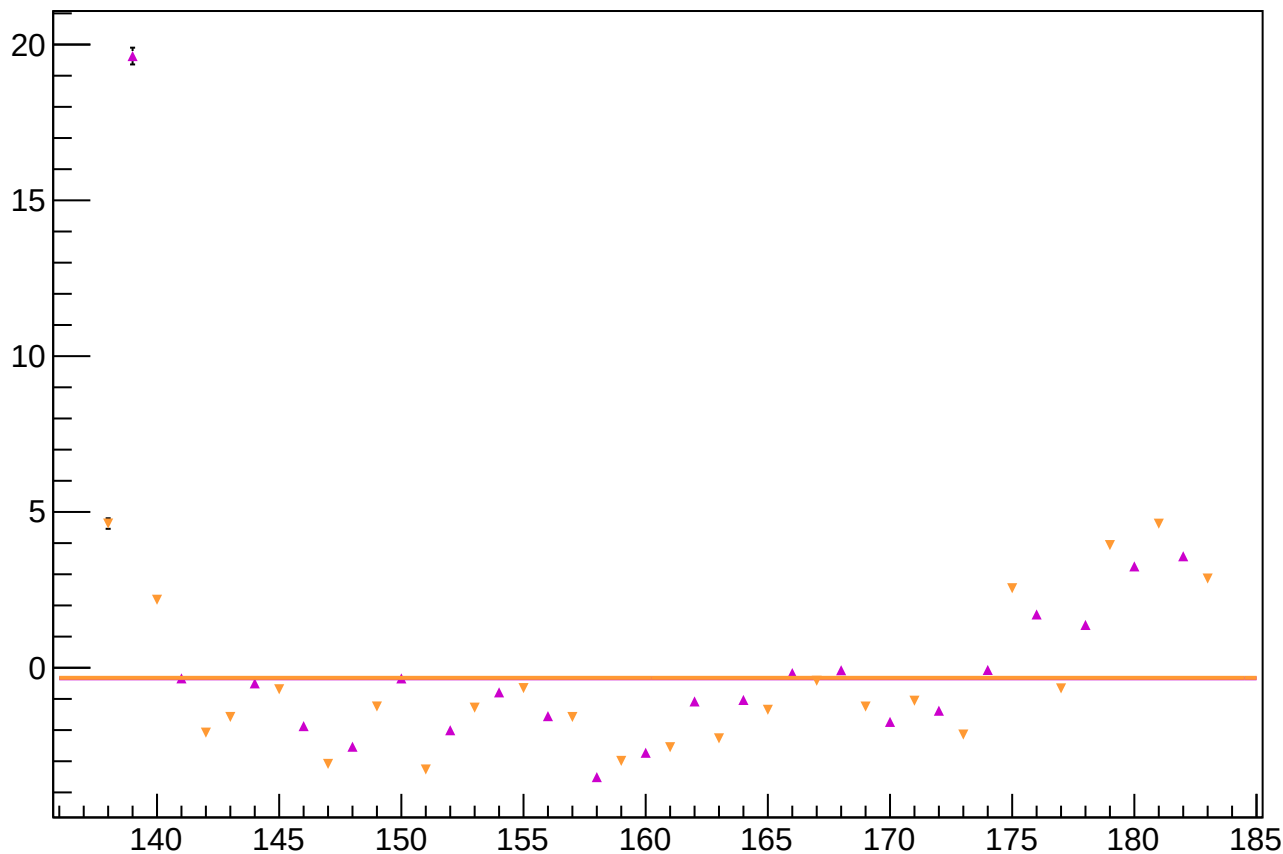
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.284+/-0.026 χ^2/NDF : 23302.1/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.028+/-0.026 χ^2/NDF : 23105.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -2.158+/-0.018 χ^2/NDF : 46455.5/45
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.323+/-0.021 χ^2/NDF :12577.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

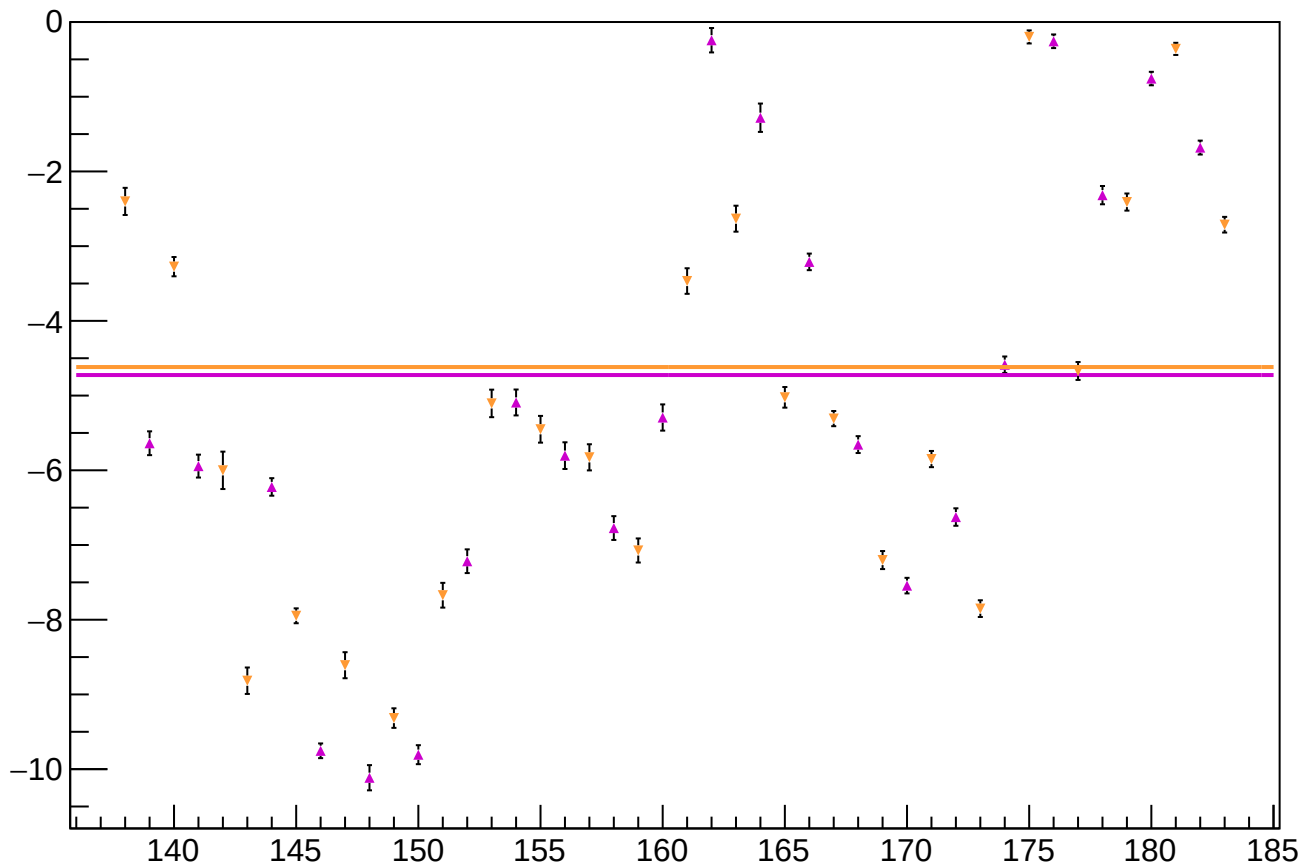
Left In: -0.338+/-0.021 χ^2/NDF :12701.2/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.331+/-0.015 χ^2/NDF : 25278.6/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -4.618 $\pm$ 0.026 χ^2 /NDF:12071.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

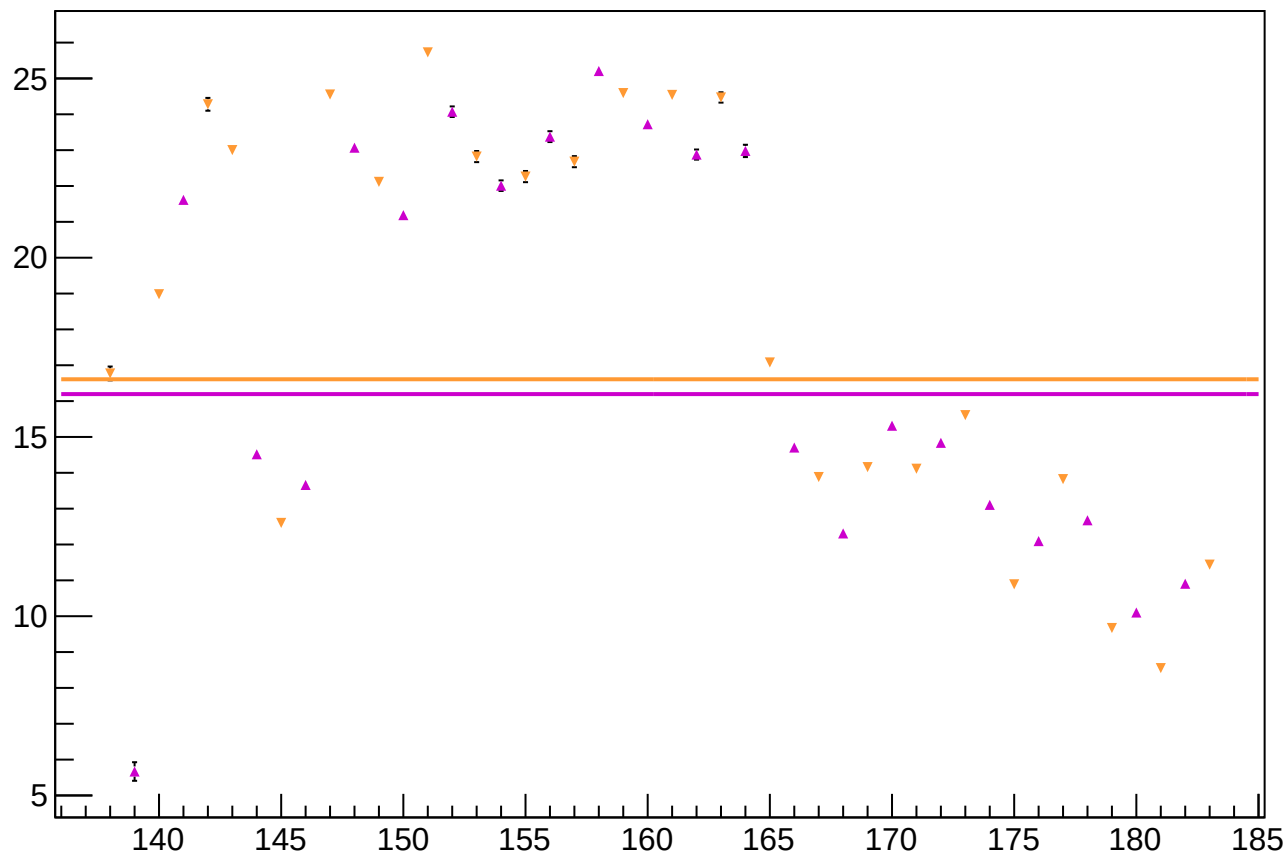
Left In: -4.725 $\pm$ 0.026 χ^2 /NDF:14071.9/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -4.671 $\pm$ 0.019 χ^2 /NDF: 26152.0/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 16.609+/-0.023 χ^2/NDF : 53658.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

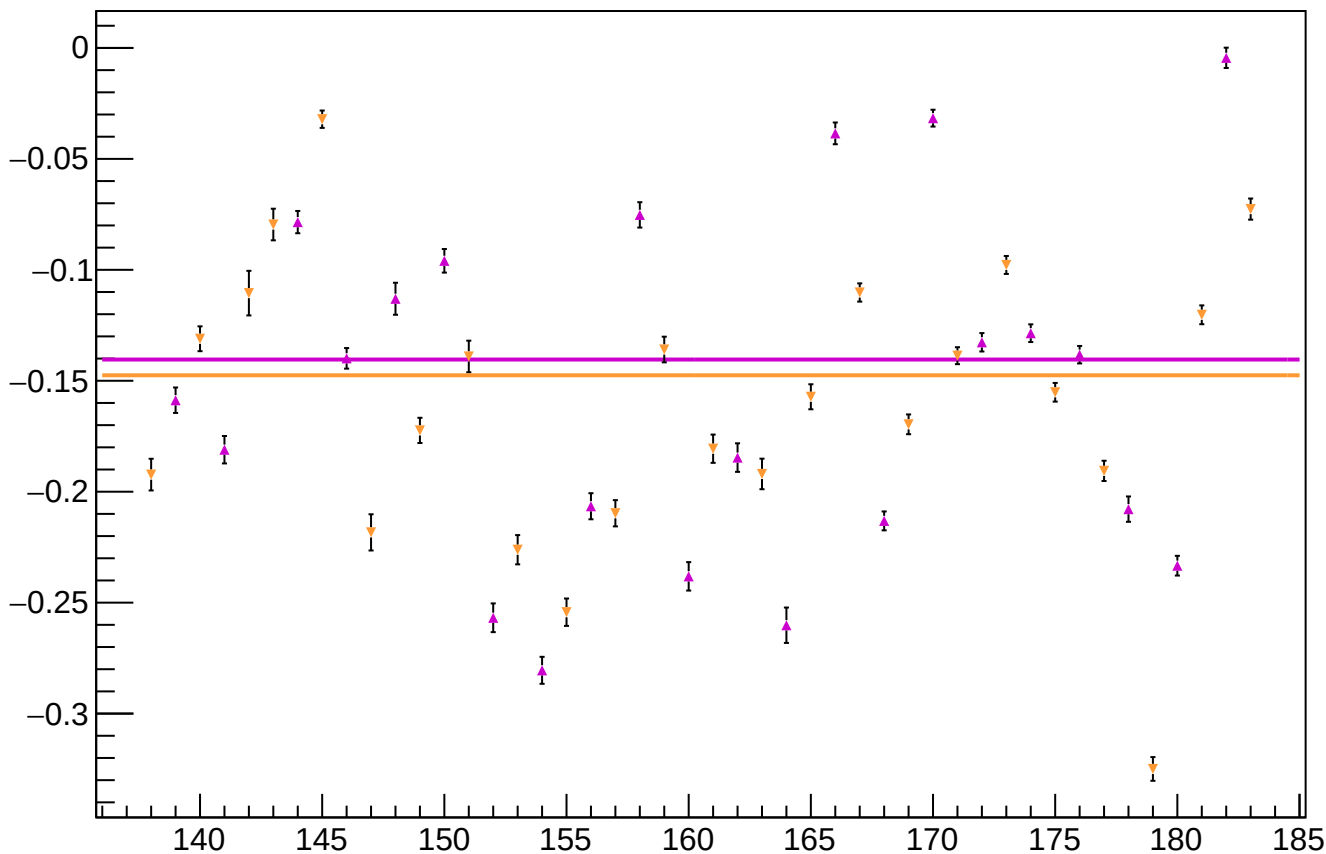
Left In: 16.195+/-0.024 χ^2/NDF : 41461.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 16.406+/-0.017 χ^2/NDF : 95273.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.148+/-0.001 χ^2/NDF : 3495.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

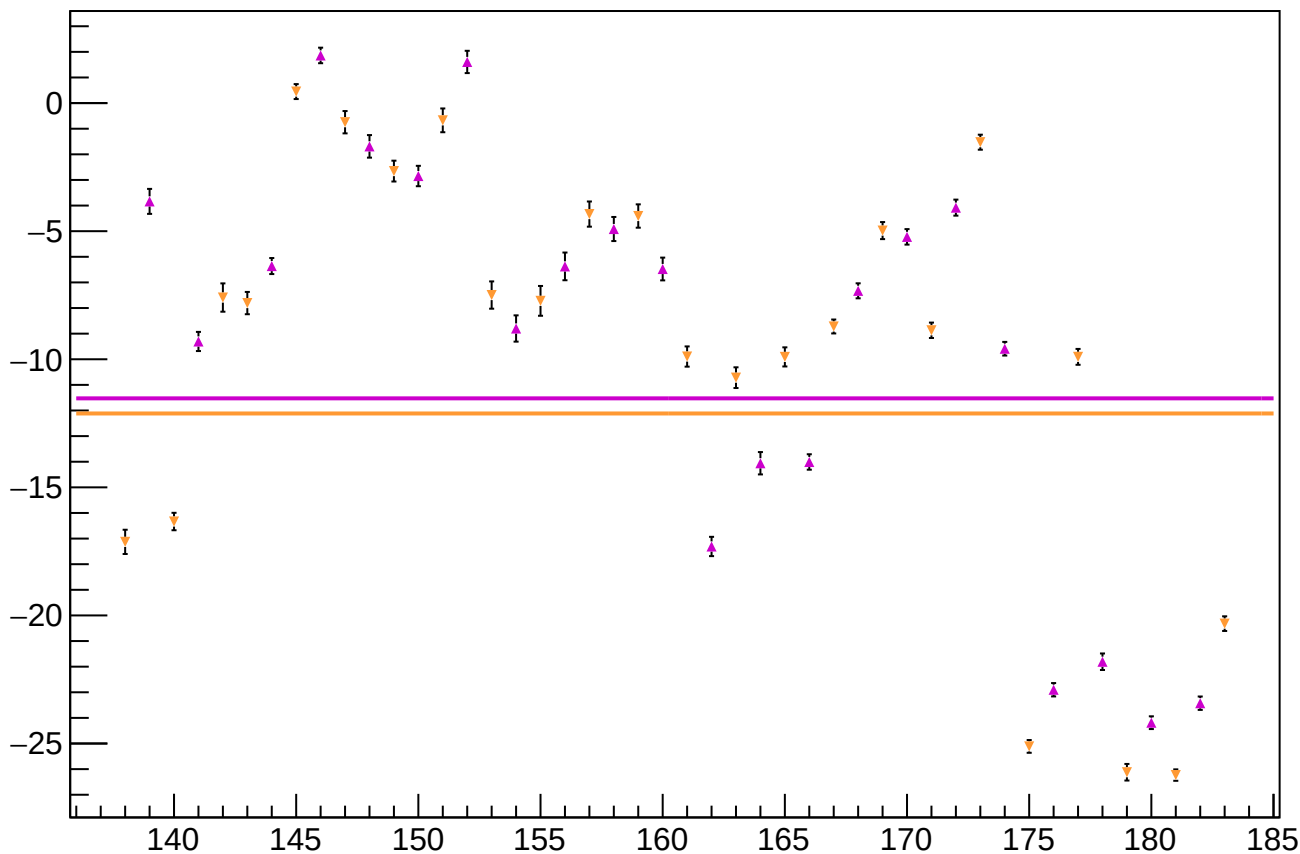
Left In: -0.140+/-0.001 χ^2/NDF : 4925.5/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.144+/-0.001 χ^2/NDF : 8442.4/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -12.116+/-0.071 χ^2/NDF : 16366.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

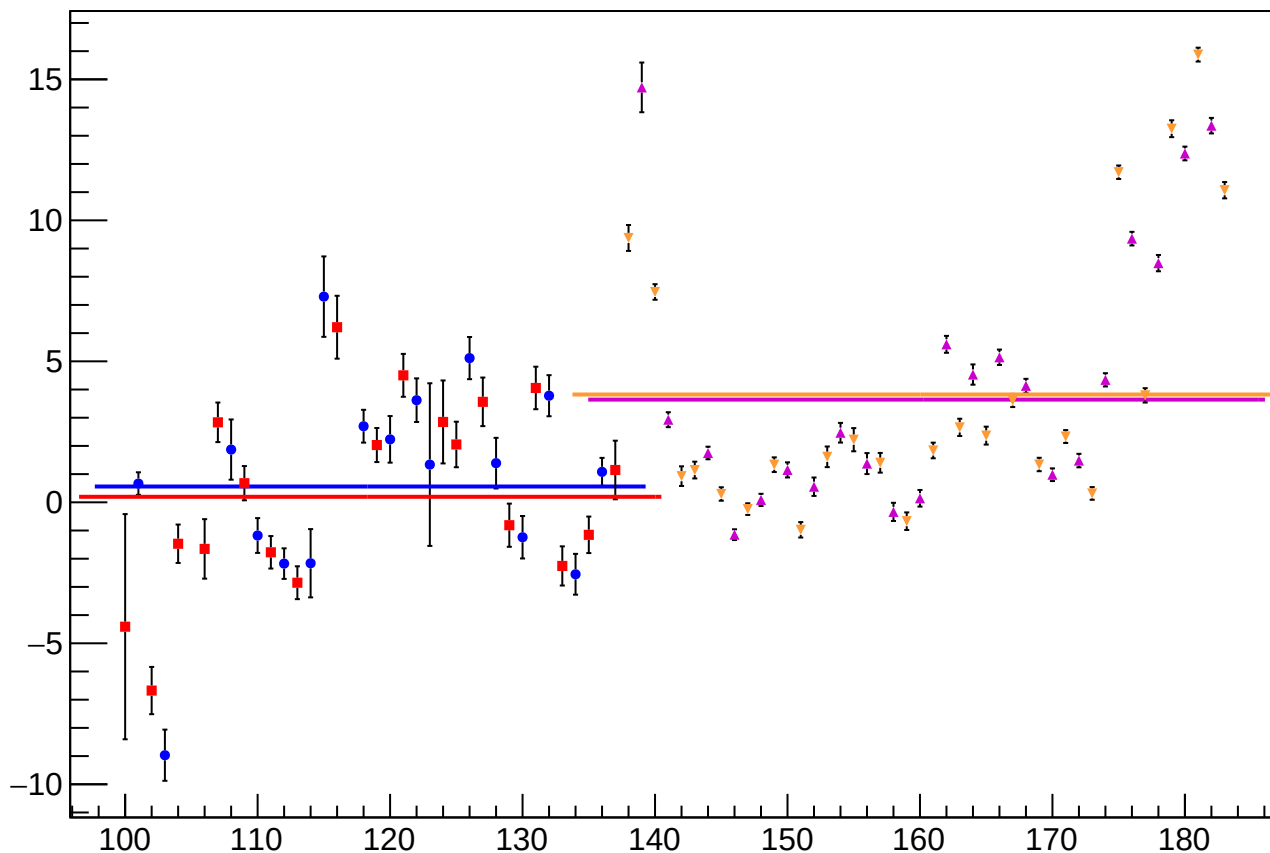
Left In: -11.526+/-0.072 χ^2/NDF : 14003.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.826+/-0.051 χ^2/NDF : 30404.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.561 $\pm$ 0.170 χ^2 /NDF: 288.7/16

Left Out: 3.824 $\pm$ 0.056 χ^2 /NDF: 7363.5/23

Right Out: 0.196 $\pm$ 0.175 χ^2 /NDF: 271.2/18

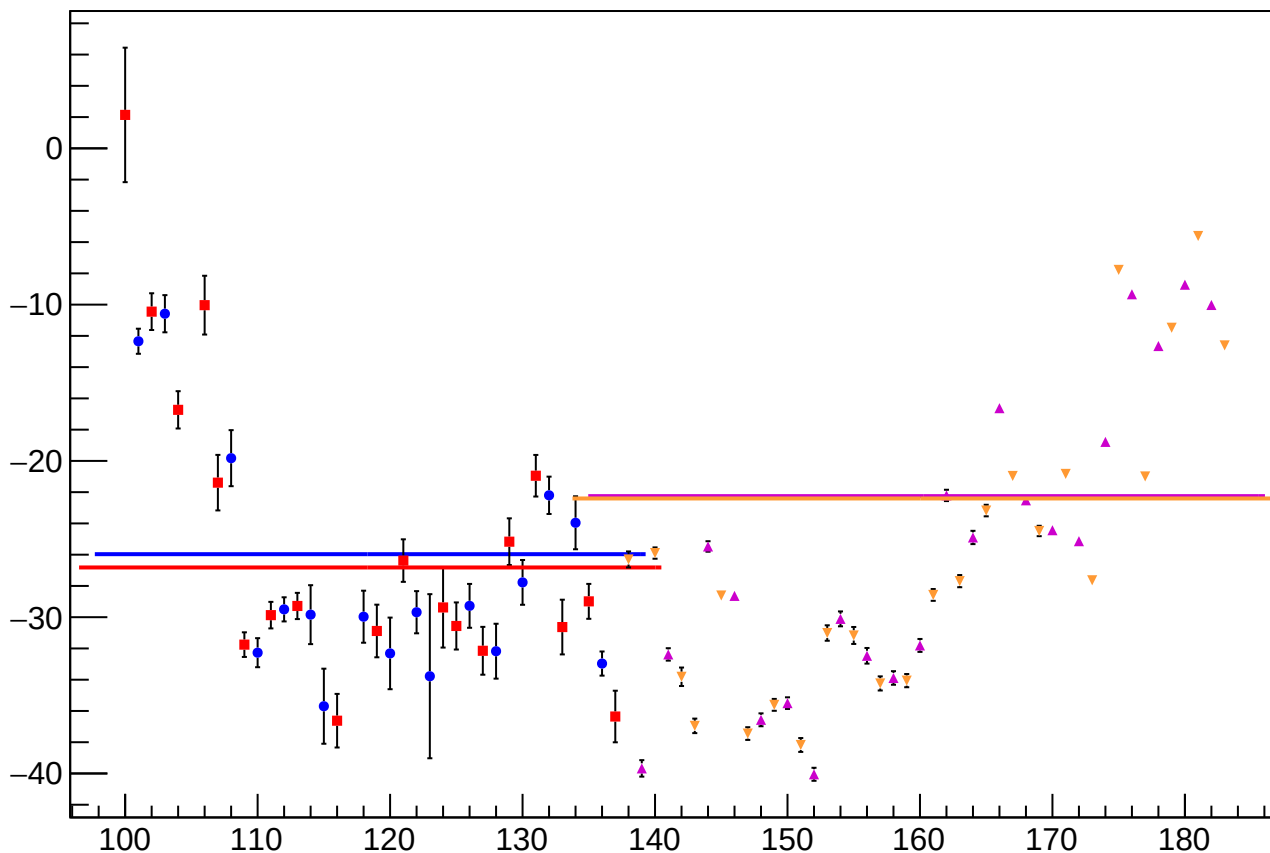
Left In: 3.642 $\pm$ 0.057 χ^2 /NDF: 5338.7/21

+ sign 3.506 $\pm$ 0.053 χ^2 /NDF: 7982.9/40

All: 3.410 $\pm$ 0.038 χ^2 /NDF: 13950.5/81

- sign 3.311 $\pm$ 0.054 χ^2 /NDF: 5960.9/40

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.968 ± 0.301 χ^2/NDF : 691.1/16

Left Out: -22.404 ± 0.071 χ^2/NDF : 19549.3/23

Right Out: -26.818 ± 0.298 χ^2/NDF : 580.9/18

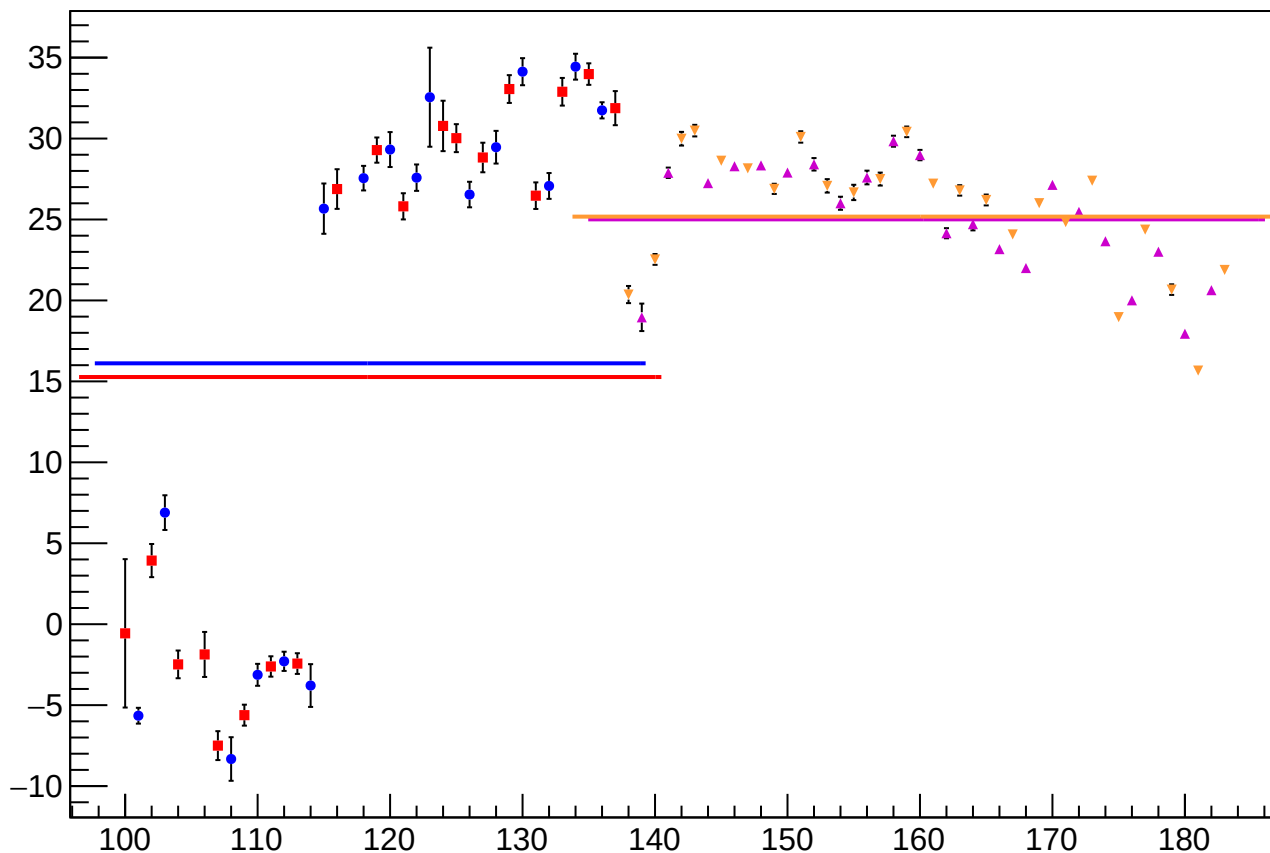
Left In: -22.253 ± 0.072 χ^2/NDF : 17608.8/21

+ sign -22.594 ± 0.069 χ^2/NDF : 20373.2/40

All: -22.551 ± 0.049 χ^2/NDF : 38785.2/81

- sign -22.507 ± 0.070 χ^2/NDF : 18411.2/40

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.115 $\pm$ 0.192 χ^2 /NDF: 7542.1/16

Left Out: 25.177 $\pm$ 0.063 χ^2 /NDF: 3728.7/23

Right Out: 15.269 $\pm$ 0.197 χ^2 /NDF: 7261.7/18

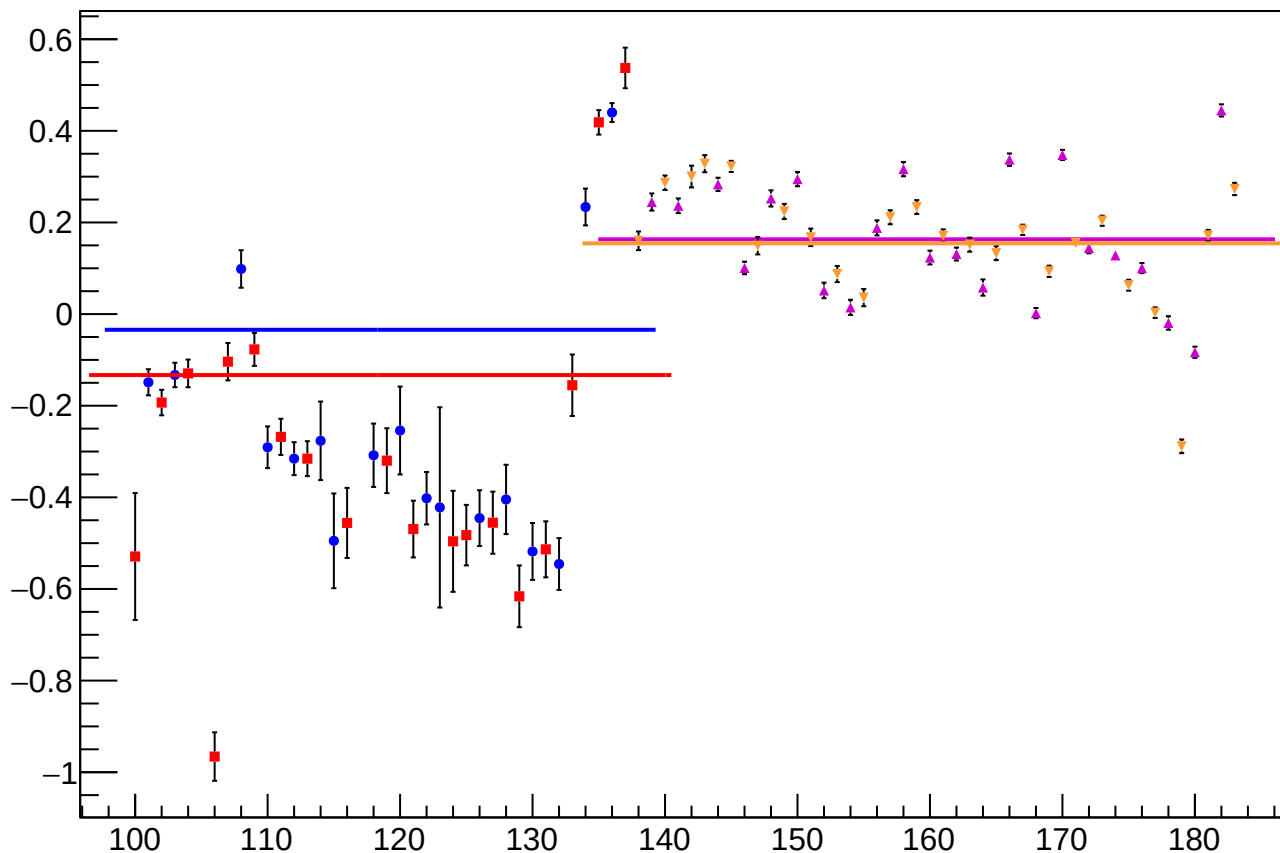
Left In: 25.008 $\pm$ 0.064 χ^2 /NDF: 2721.9/21

+ sign 24.295 $\pm$ 0.060 χ^2 /NDF: 13273.2/40

All: 24.185 $\pm$ 0.043 χ^2 /NDF: 25464.7/81

- sign 24.072 $\pm$ 0.061 χ^2 /NDF: 12184.7/40

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.034 ± 0.010 $\chi^2/\text{NDF}: 1011.4/16$

Left Out: 0.154 ± 0.003 $\chi^2/\text{NDF}: 1744.5/23$

Right Out: -0.133 ± 0.010 $\chi^2/\text{NDF}: 1160.4/18$

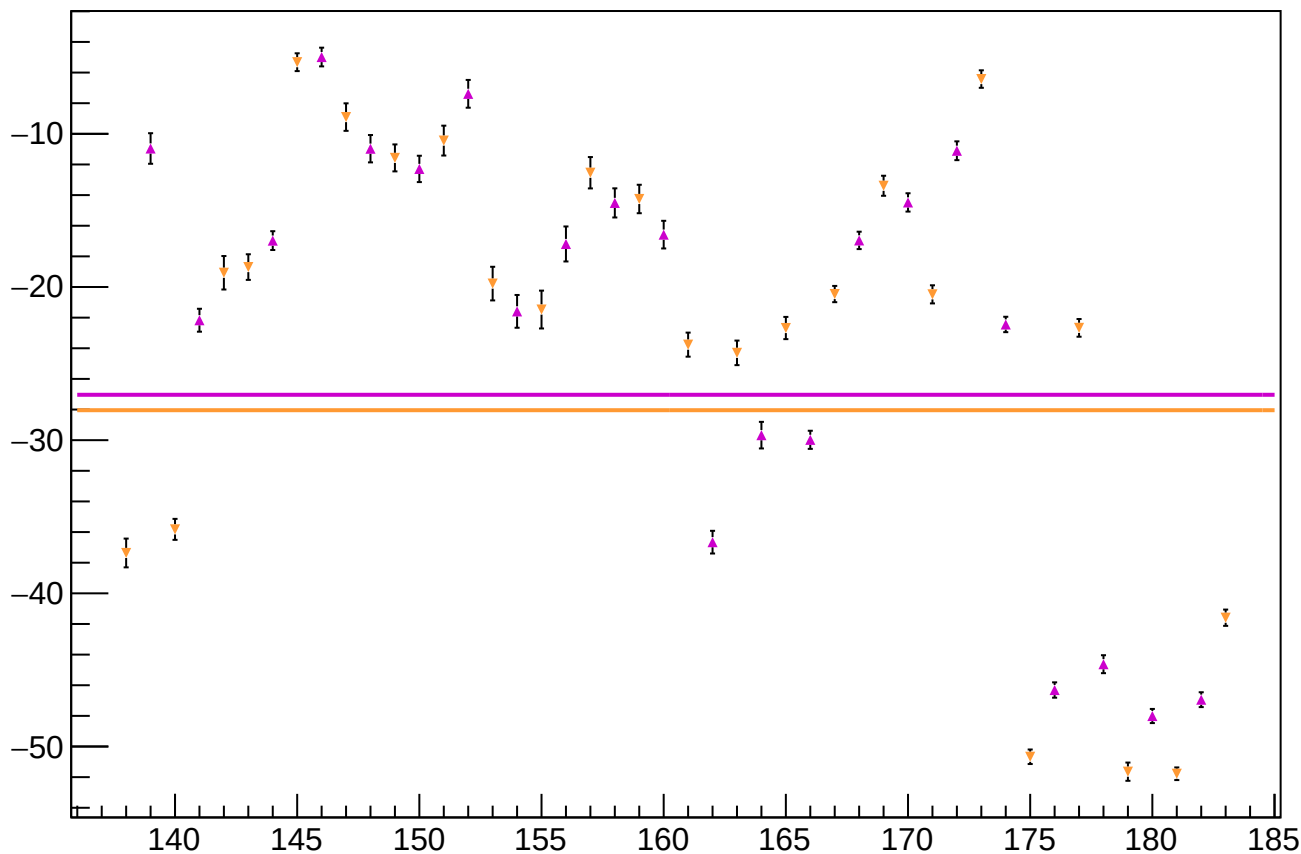
Left In: 0.163 ± 0.003 $\chi^2/\text{NDF}: 2195.9/21$

+ sign 0.141 ± 0.003 $\chi^2/\text{NDF}: 3064.1/40$

All: 0.141 ± 0.002 $\chi^2/\text{NDF}: 7174.1/81$

- sign 0.141 ± 0.003 $\chi^2/\text{NDF}: 4110.0/40$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -28.043+/-0.138 χ^2/NDF :13906.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

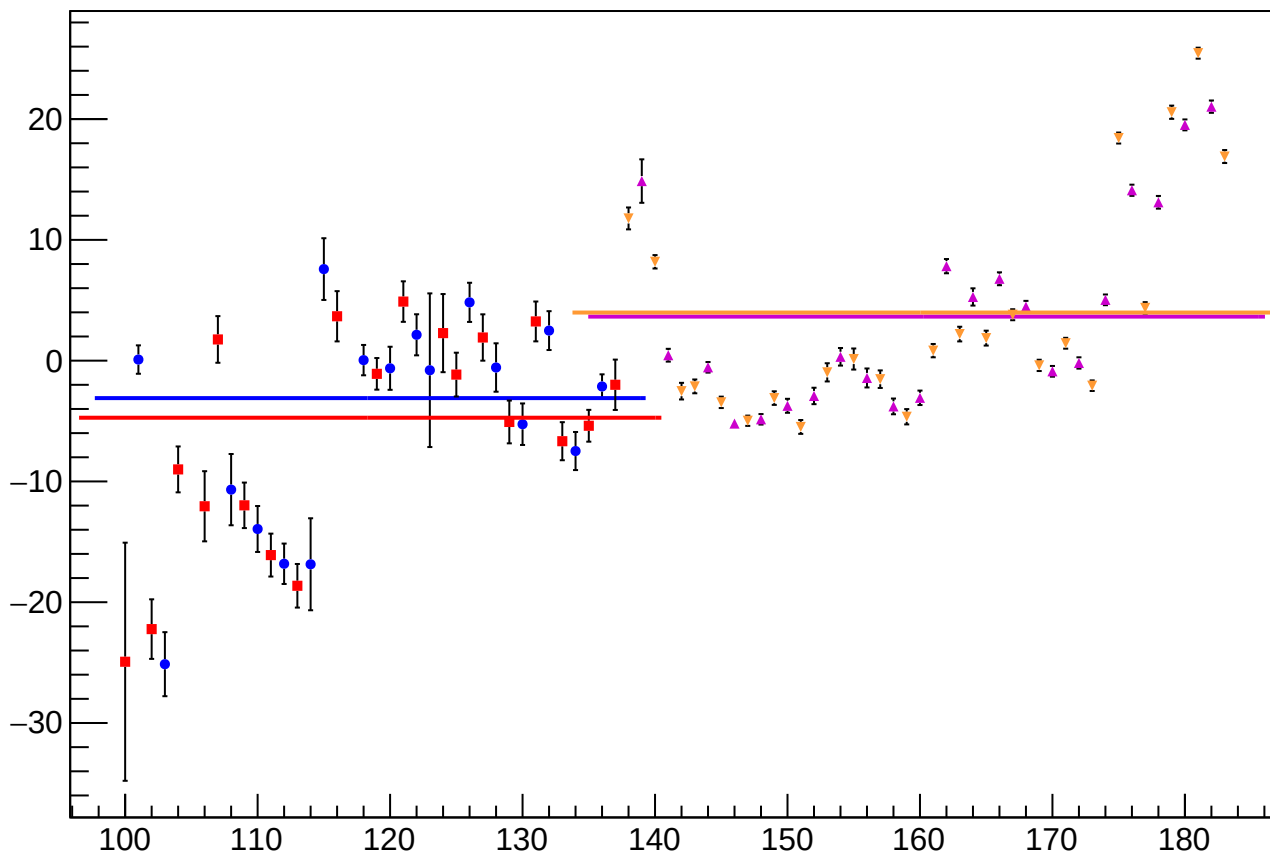
Left In: -27.037+/-0.141 χ^2/NDF :11214.9/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -27.550+/-0.099 χ^2/NDF : 25147.2/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.101 ± 0.412 χ^2/NDF : 278.9/16

Left Out: 3.984 ± 0.110 χ^2/NDF : 6846.1/23

Right Out: -4.725 ± 0.427 χ^2/NDF : 296.8/18

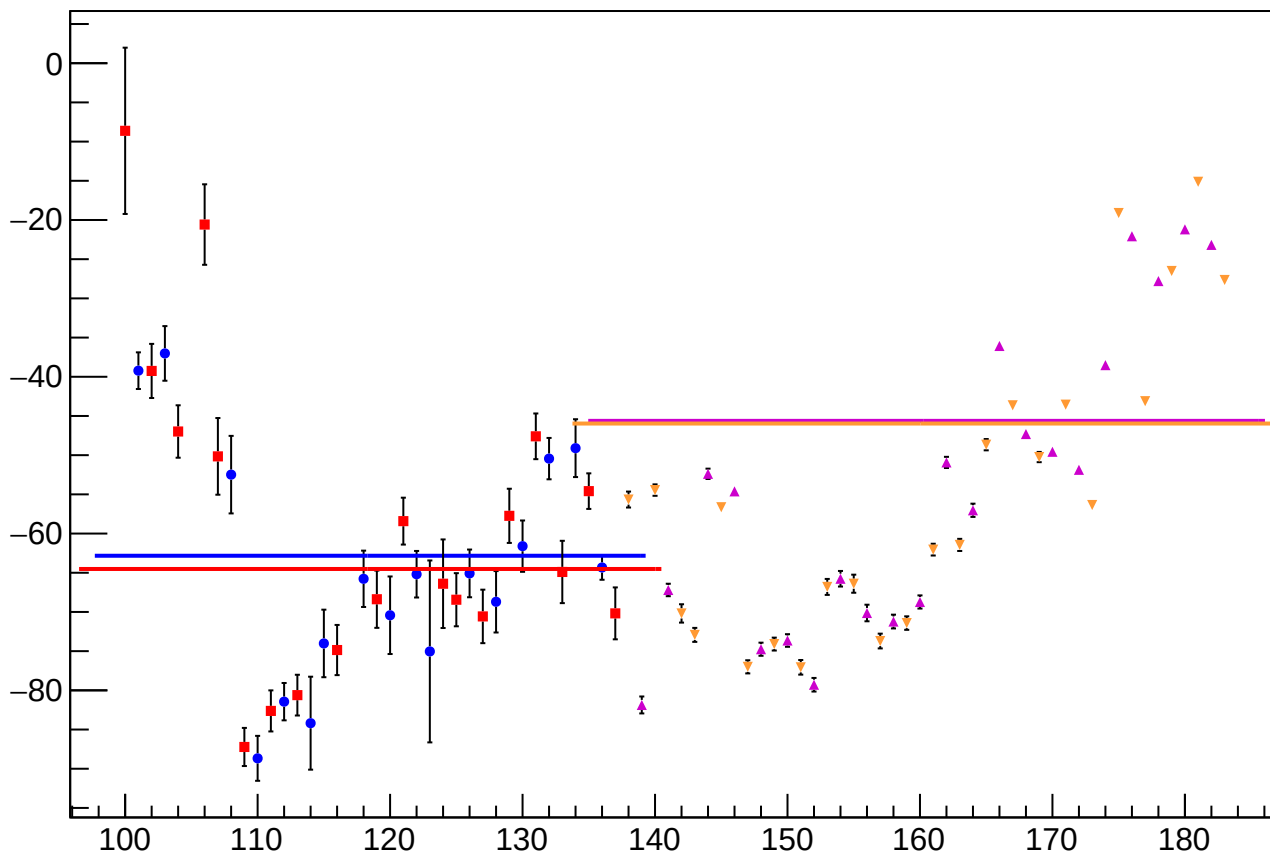
Left In: 3.648 ± 0.112 χ^2/NDF : 5178.2/21

+ sign 3.510 ± 0.106 χ^2/NDF : 7401.4/40

All: 3.313 ± 0.076 χ^2/NDF : 13242.8/81

- sign 3.108 ± 0.108 χ^2/NDF : 5834.4/40

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.830 ± 0.742 $\chi^2/\text{NDF}: 367.7/16$

Left Out: -45.966 ± 0.139 $\chi^2/\text{NDF}: 19824.1/23$

Right Out: -64.518 ± 0.753 $\chi^2/\text{NDF}: 443.9/18$

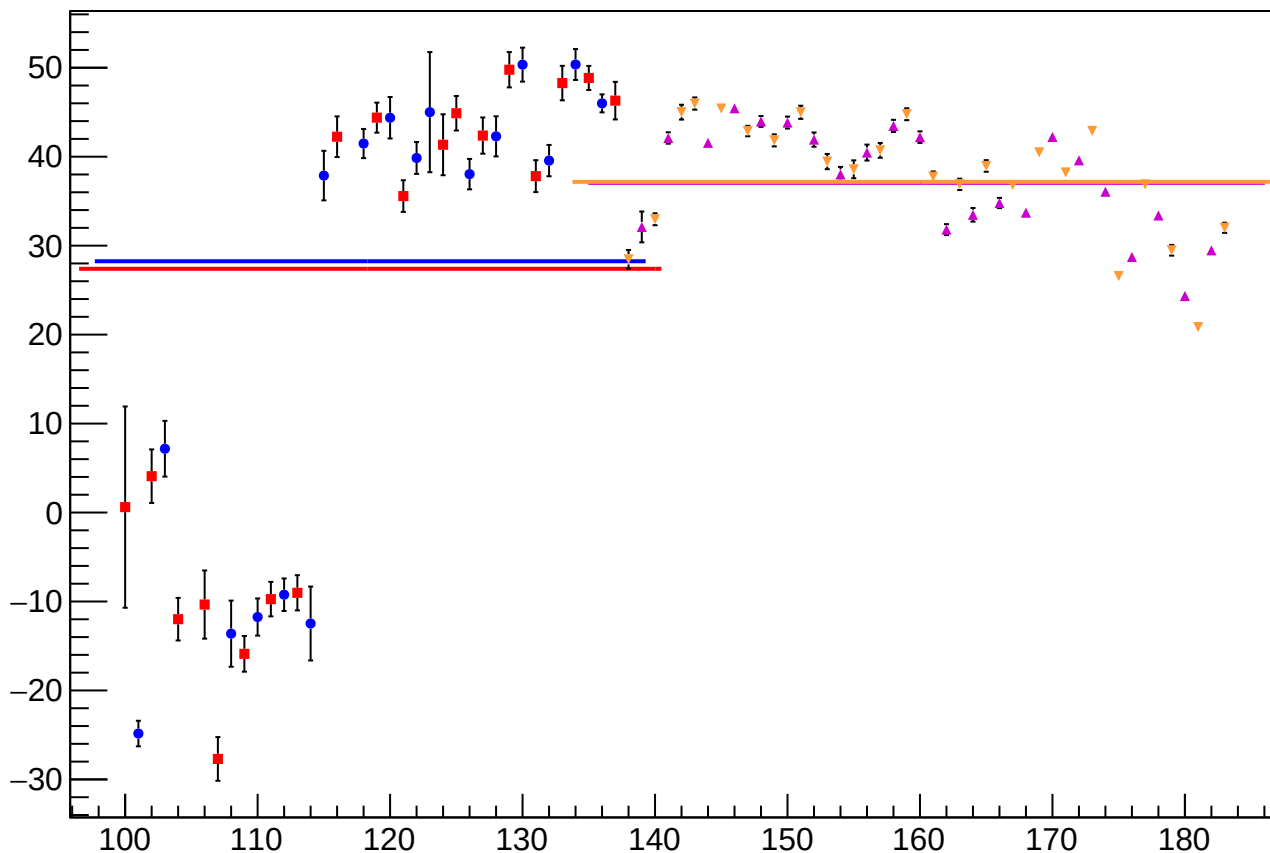
Left In: -45.624 ± 0.141 $\chi^2/\text{NDF}: 17501.5/21$

+ sign -46.541 ± 0.137 $\chi^2/\text{NDF}: 20691.1/40$

All: -46.406 ± 0.098 $\chi^2/\text{NDF}: 39246.6/81$

- sign -46.267 ± 0.139 $\chi^2/\text{NDF}: 18553.5/40$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.247 $\pm$ 0.461 χ^2 /NDF: 3310.9/16

Left Out: 37.174 $\pm$ 0.124 χ^2 /NDF:3058.5/23

Right Out: 27.400 $\pm$ 0.480 χ^2 /NDF: 3031.5/18

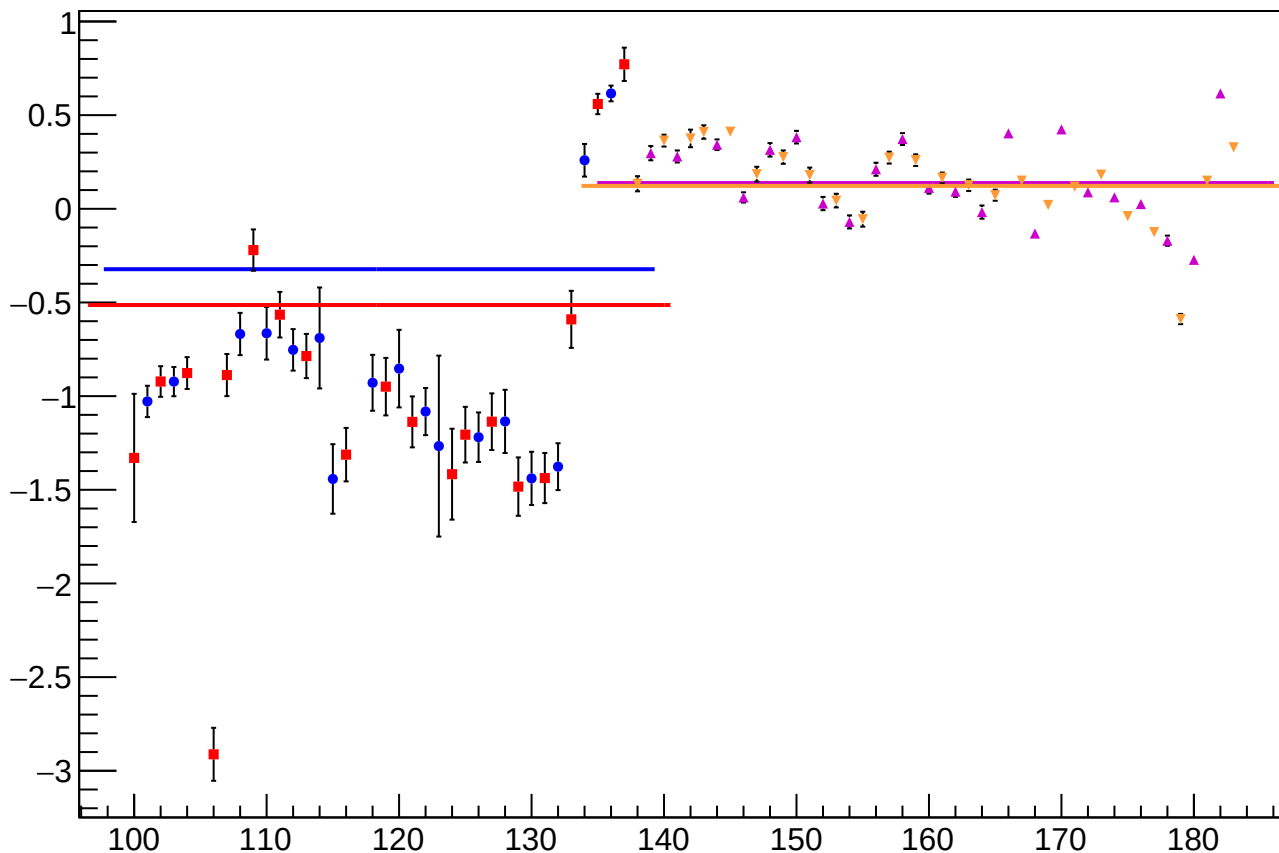
Left In: 37.058 $\pm$ 0.126 χ^2 /NDF:2396.4/21

+ sign 36.571 $\pm$ 0.120 χ^2 /NDF: 6719.3/40

All: 36.503 $\pm$ 0.086 χ^2 /NDF: 12527.1/81

- sign 36.432 $\pm$ 0.122 χ^2 /NDF: 5807.1/40

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.322 ± 0.025 χ^2/NDF : 1010.1/16

Left Out: 0.122 ± 0.006 χ^2/NDF : 1337.7/23

Right Out: -0.514 ± 0.026 χ^2/NDF : 1159.3/18

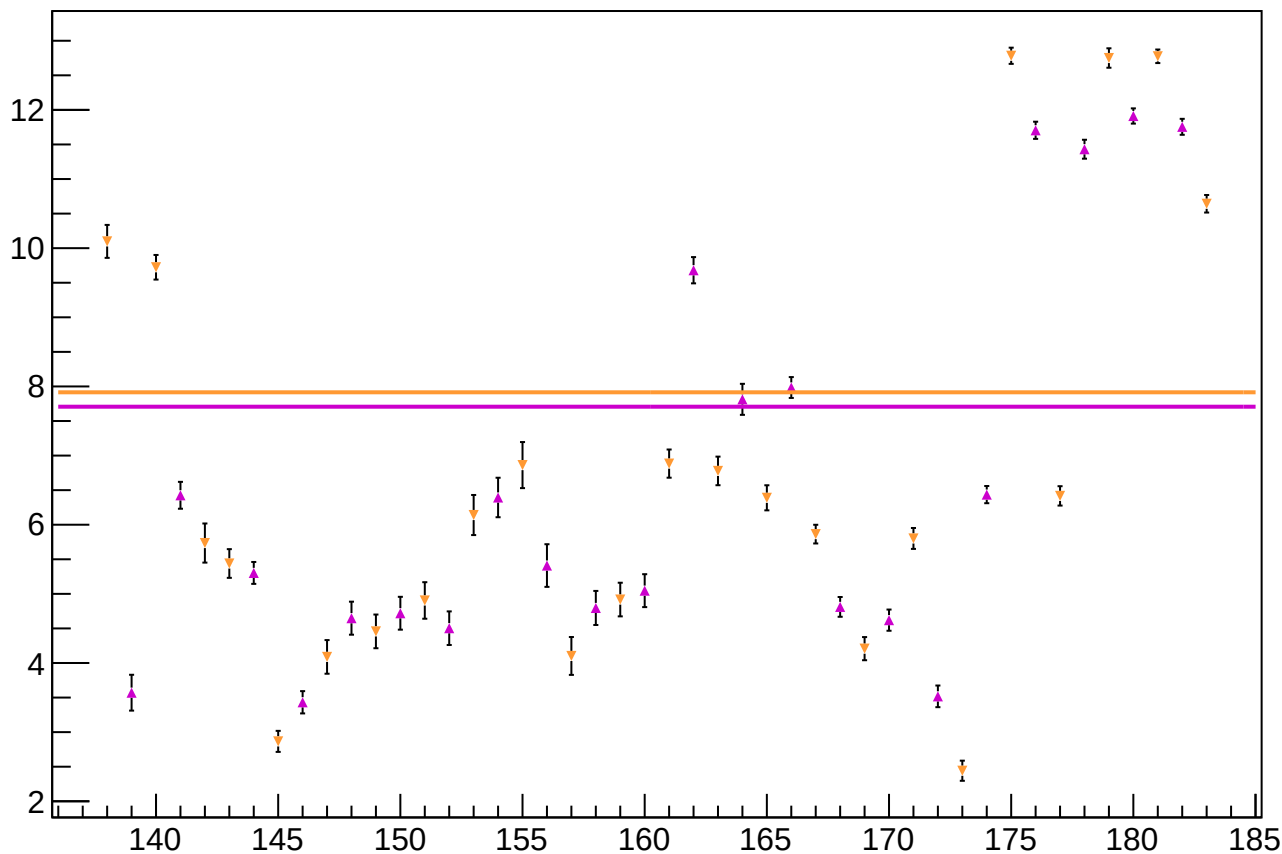
Left In: 0.138 ± 0.006 χ^2/NDF : 1606.2/21

+ sign 0.100 ± 0.006 χ^2/NDF : 2649.2/40

All: 0.103 ± 0.004 χ^2/NDF : 6022.5/81

- sign 0.106 ± 0.006 χ^2/NDF : 3372.7/40

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 7.915+/-0.035 χ^2/NDF :10862.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

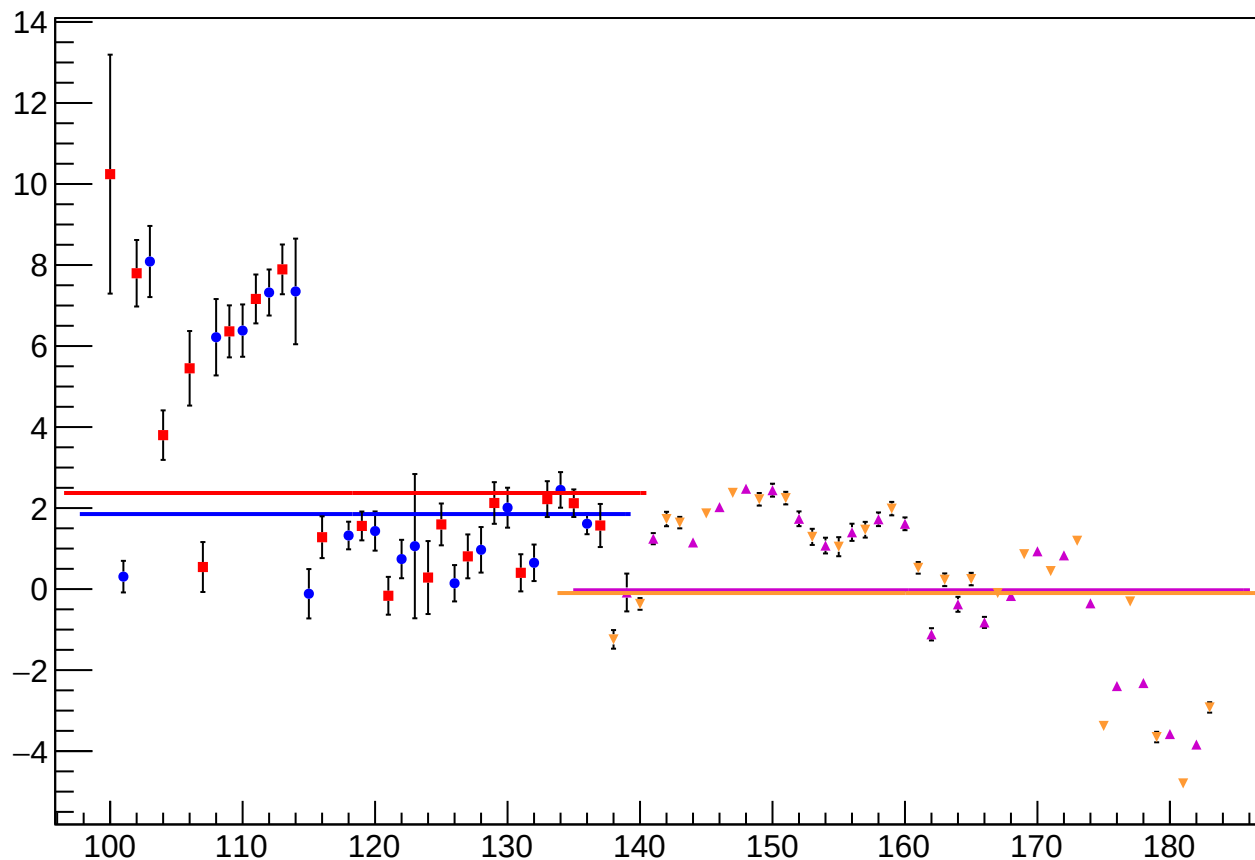
Left In: 7.707+/-0.036 χ^2/NDF :8282.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7.813+/-0.025 χ^2/NDF : 19161.8/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.852 ± 0.117 χ^2/NDF : 293.2/16

Left Out: -0.098 ± 0.028 χ^2/NDF : 5974.4/23

Right Out: 2.372 ± 0.123 χ^2/NDF : 335.5/18

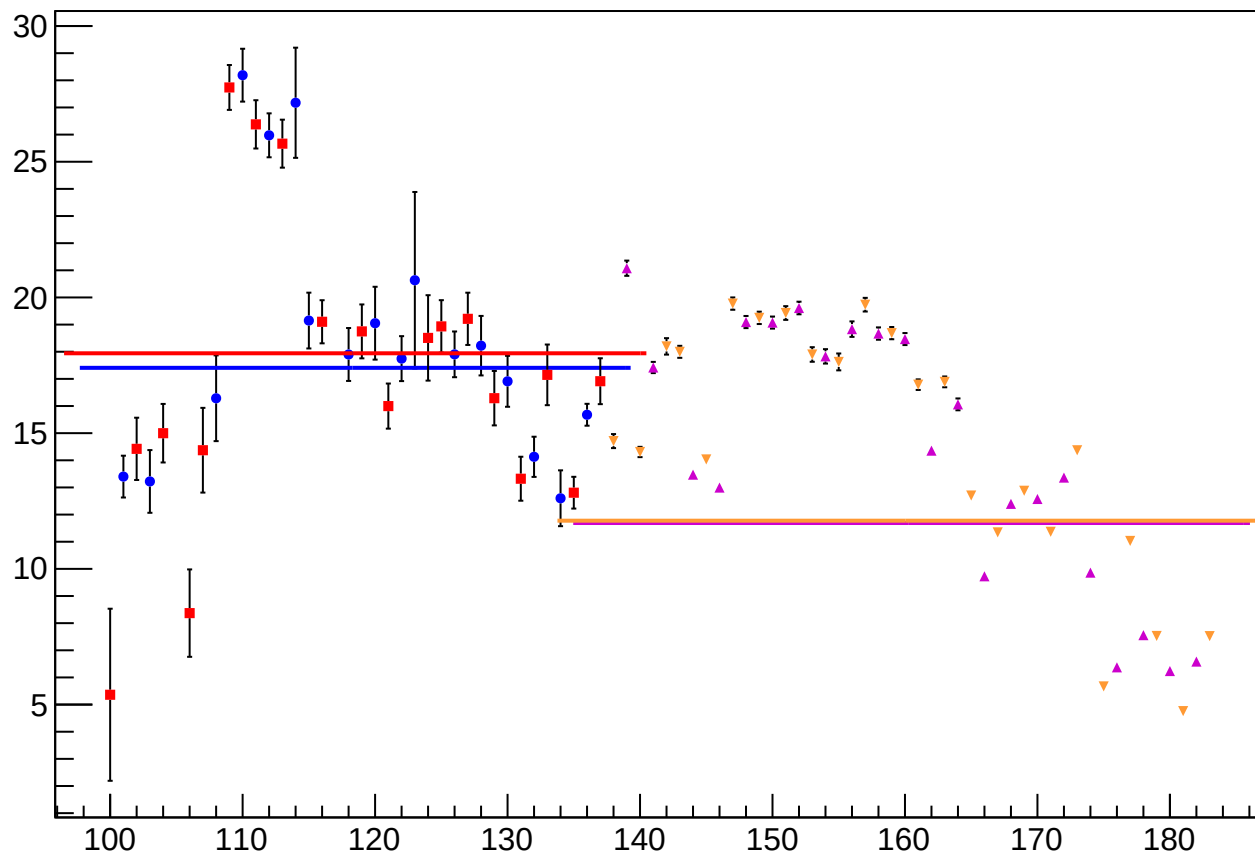
Left In: -0.029 ± 0.029 χ^2/NDF : 4794.8/21

+ sign 0.008 ± 0.027 χ^2/NDF : 6529.0/40

All: 0.050 ± 0.019 χ^2/NDF : 12027.5/81

- sign 0.094 ± 0.028 χ^2/NDF : 5493.6/40

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.407 ± 0.213 χ^2/NDF : 365.3/16

Left Out: 11.775 ± 0.035 χ^2/NDF : 18928.7/23

Right Out: 17.943 ± 0.219 χ^2/NDF : 505.3/18

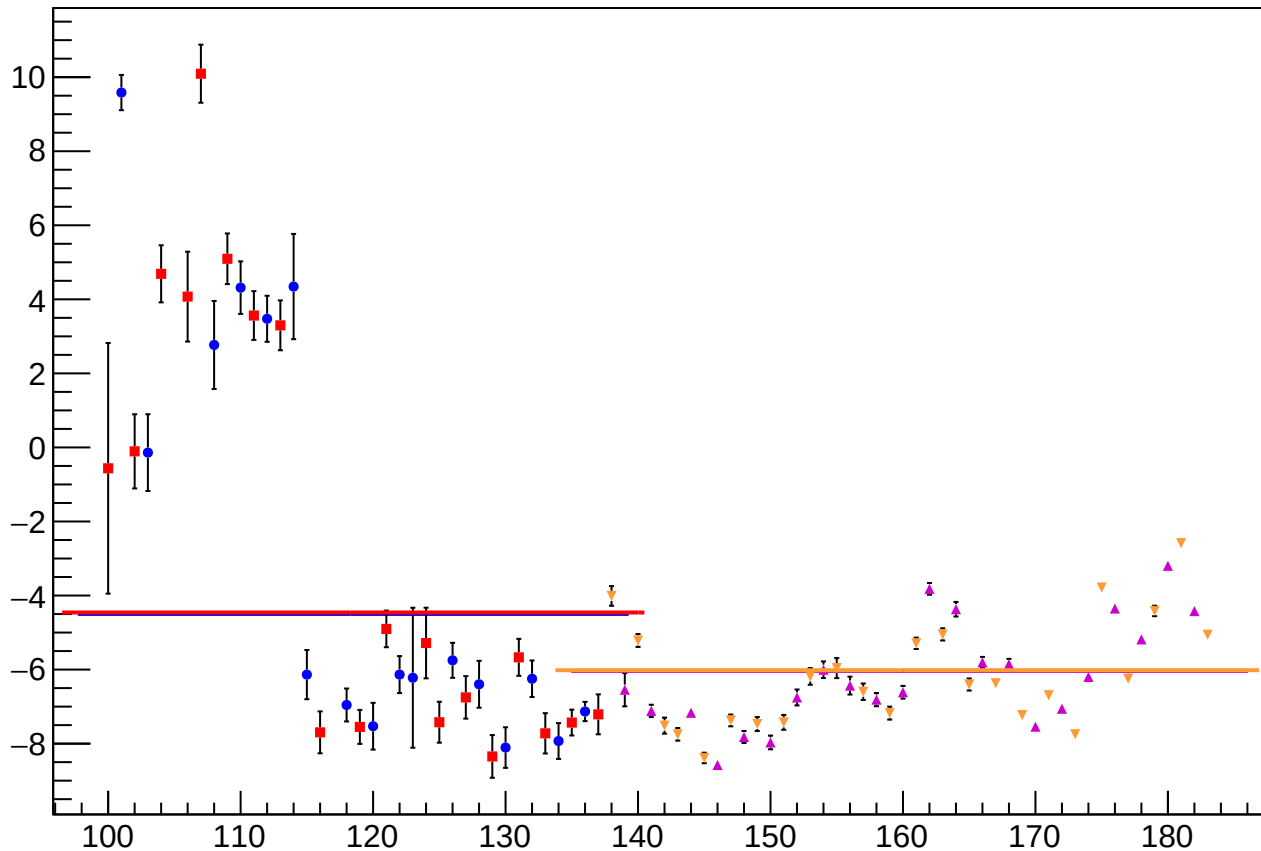
Left In: 11.690 ± 0.036 χ^2/NDF : 16681.0/21

+ sign 11.924 ± 0.035 χ^2/NDF : 19975.4/40

All: 11.888 ± 0.025 χ^2/NDF : 37955.0/81

- sign 11.850 ± 0.035 χ^2/NDF : 17977.3/40

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.497 ± 0.131 χ^2/NDF : 1582.8/16

Left Out: -6.017 ± 0.031 χ^2/NDF : 2547.2/23

Right Out: -4.458 ± 0.137 χ^2/NDF : 1340.5/18

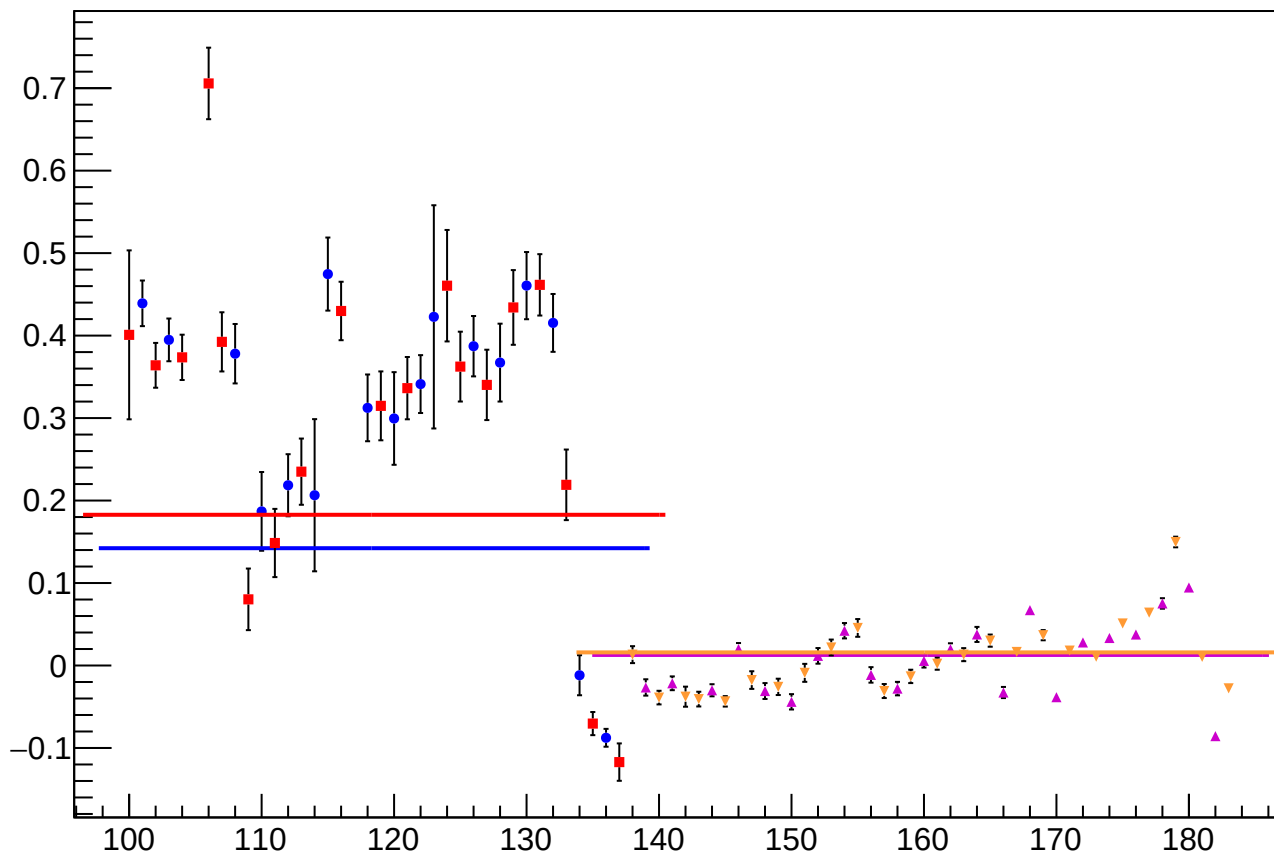
Left In: -6.037 ± 0.032 χ^2/NDF : 2290.7/21

+ sign -5.934 ± 0.031 χ^2/NDF : 4258.1/40

All: -5.945 ± 0.022 χ^2/NDF : 8015.1/81

- sign -5.956 ± 0.031 χ^2/NDF : 3756.7/40

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 χ^2/NDF : 1057.7/16

Left Out: 0.016 ± 0.001 χ^2/NDF : 901.4/23

Right Out: 0.183 ± 0.007 χ^2/NDF : 999.1/18

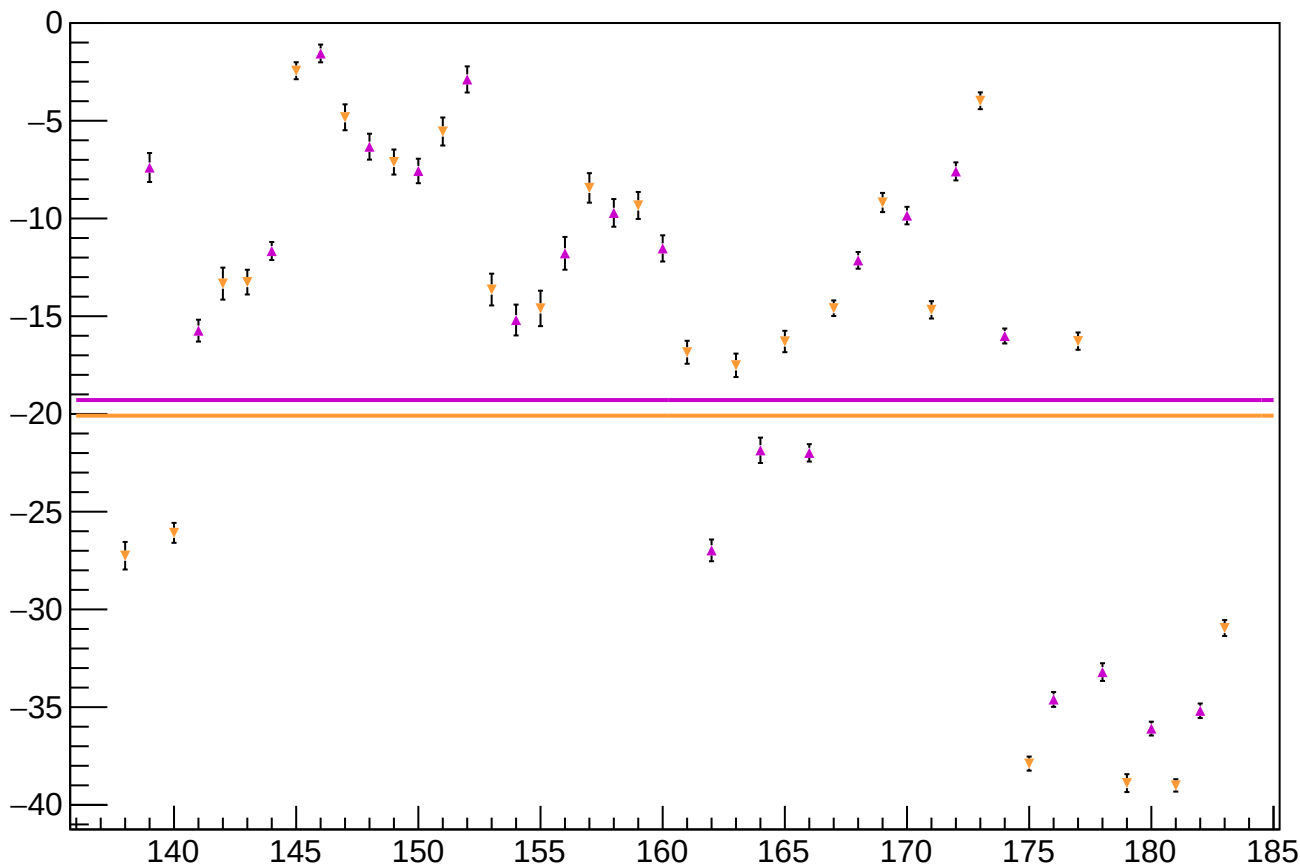
Left In: 0.013 ± 0.001 χ^2/NDF : 1056.1/21

+ sign 0.021 ± 0.001 χ^2/NDF : 2265.2/40

All: 0.020 ± 0.001 χ^2/NDF : 4826.7/81

- sign 0.019 ± 0.001 χ^2/NDF : 2560.7/40

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -20.088+/-0.104 χ^2/NDF : 14810.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

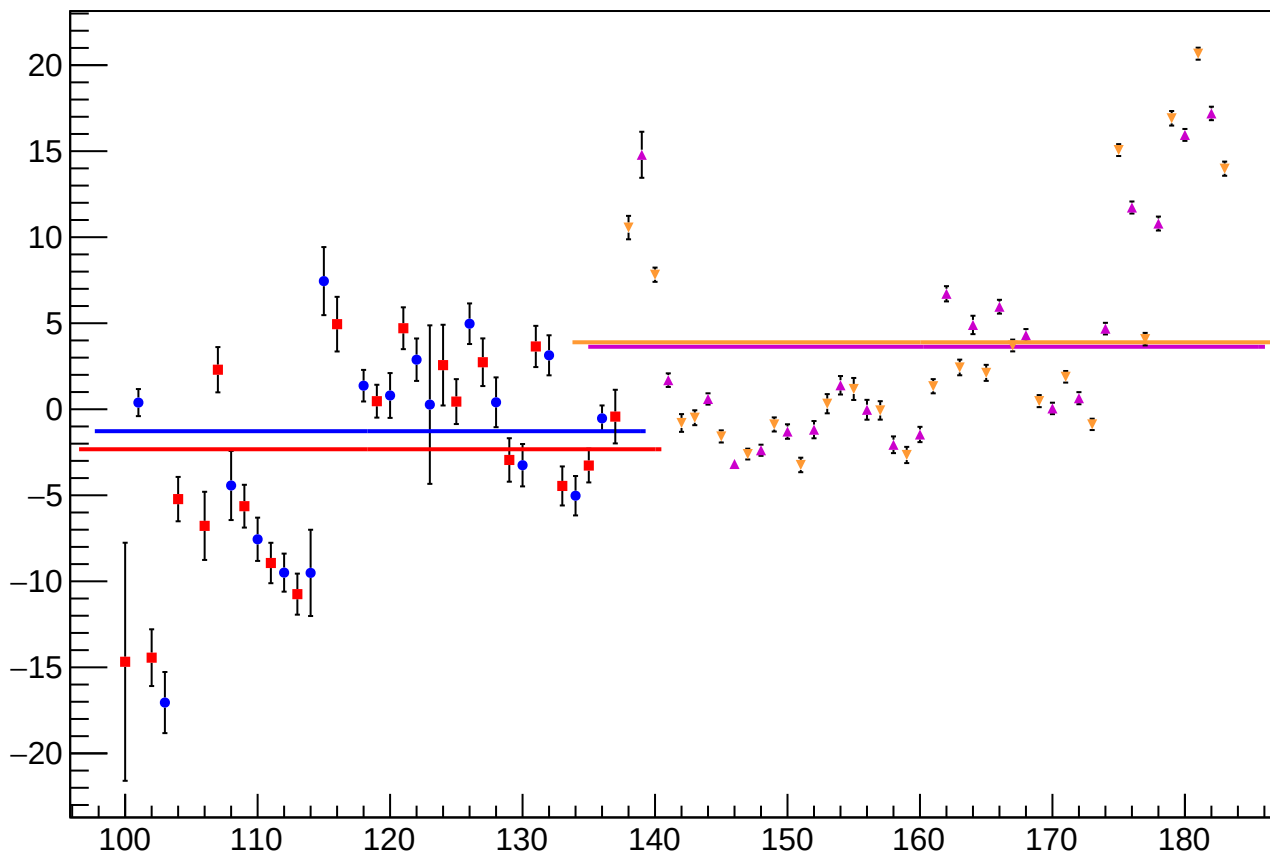
Left In: -19.290+/-0.106 χ^2/NDF : 12183.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -19.696+/-0.074 χ^2/NDF : 27022.6/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.274 ± 0.293 χ^2/NDF : 276.5/16

Left Out: 3.893 ± 0.083 χ^2/NDF : 7059.1/23

Right Out: -2.325 ± 0.303 χ^2/NDF : 284.4/18

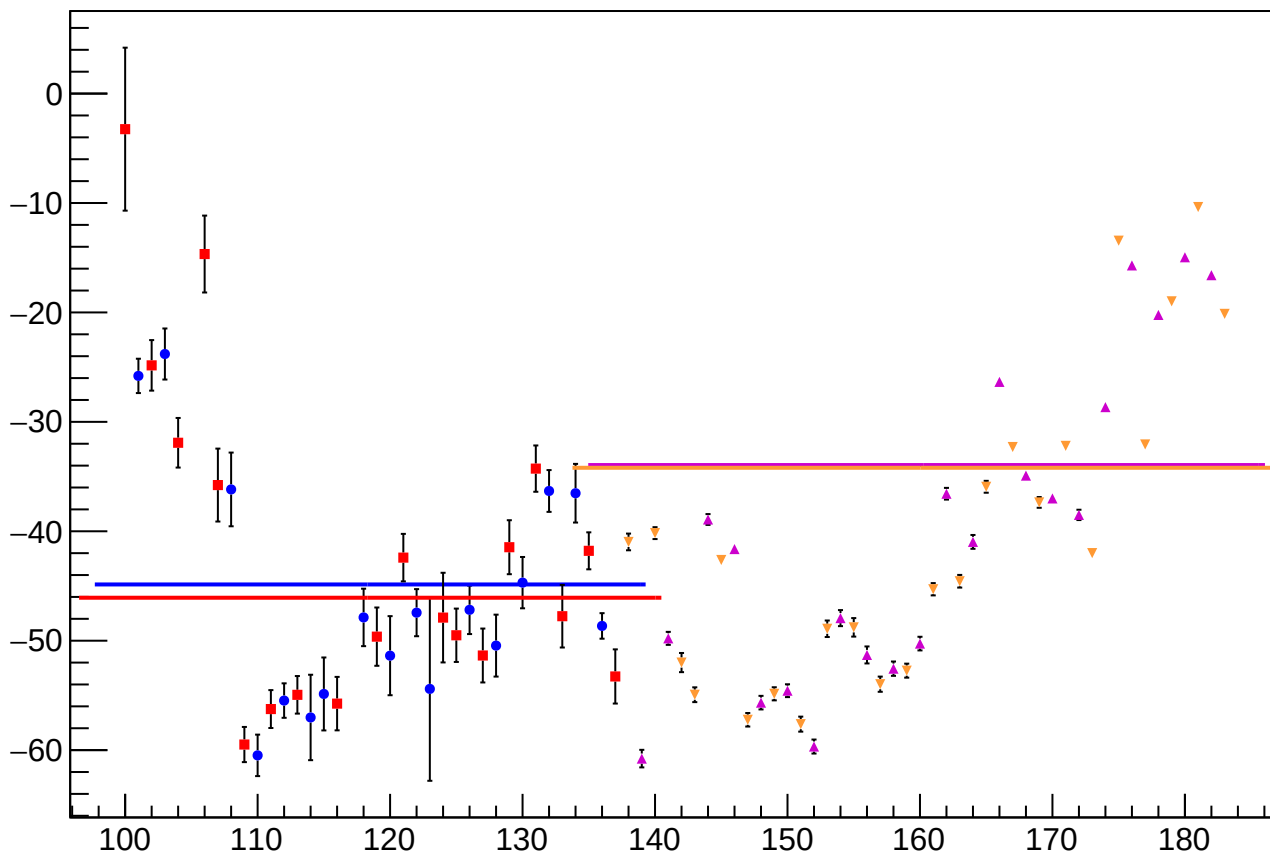
Left In: 3.632 ± 0.084 χ^2/NDF : 5253.9/21

+ sign 3.510 ± 0.080 χ^2/NDF : 7623.9/40

All: 3.360 ± 0.057 χ^2/NDF : 13528.8/81

- sign 3.204 ± 0.081 χ^2/NDF : 5897.7/40

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.859 ± 0.525 χ^2/NDF : 420.2/16

Left Out: -34.197 ± 0.105 χ^2/NDF : 19859.4/23

Right Out: -46.073 ± 0.529 χ^2/NDF : 453.9/18

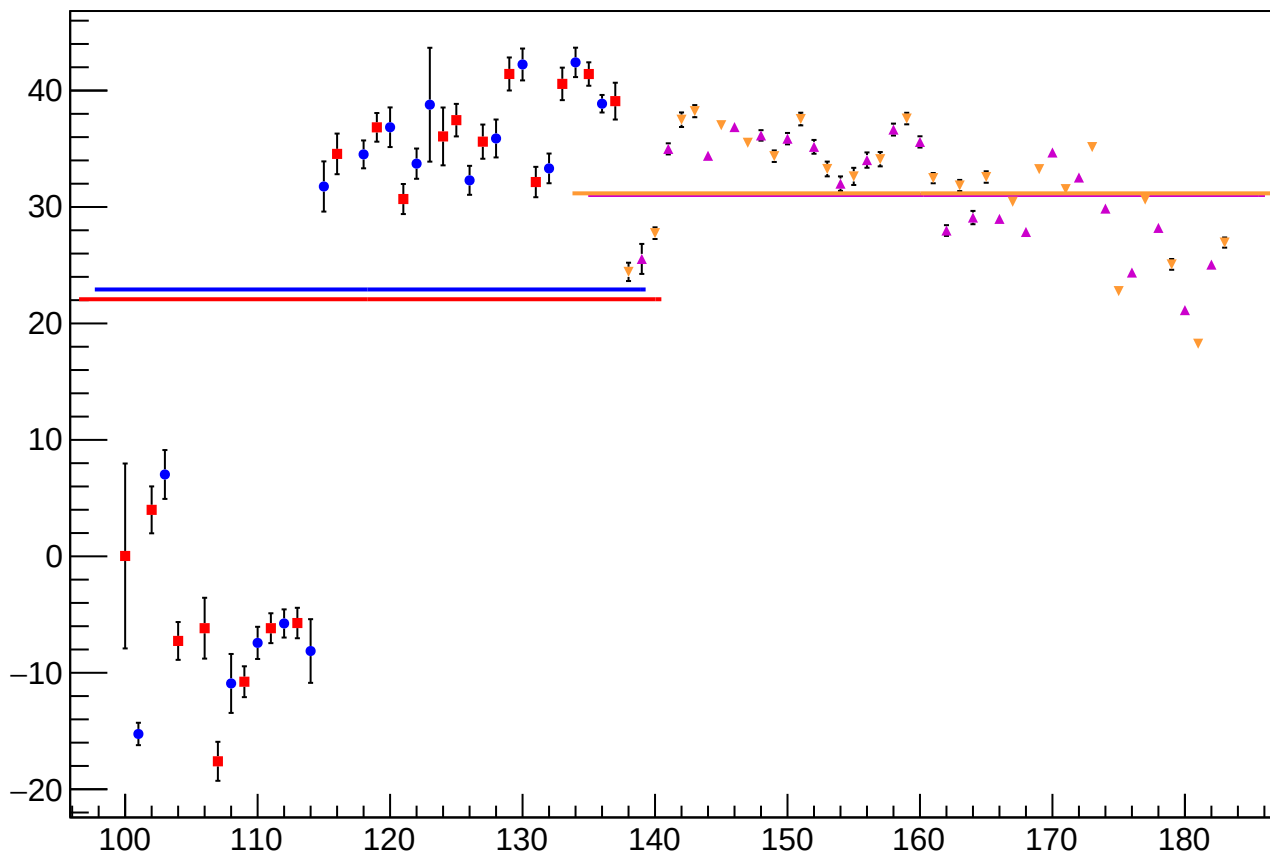
Left In: -33.948 ± 0.106 χ^2/NDF : 17616.5/21

+ sign -34.607 ± 0.103 χ^2/NDF : 20675.9/40

All: -34.514 ± 0.073 χ^2/NDF : 39252.1/81

- sign -34.419 ± 0.104 χ^2/NDF : 18574.5/40

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.917 $\pm$ 0.329 χ^2 /NDF: 4317.2/16

Left Out: 31.172 $\pm$ 0.093 χ^2 /NDF:3266.6/23

Right Out: 22.078 $\pm$ 0.341 χ^2 /NDF: 4029.9/18

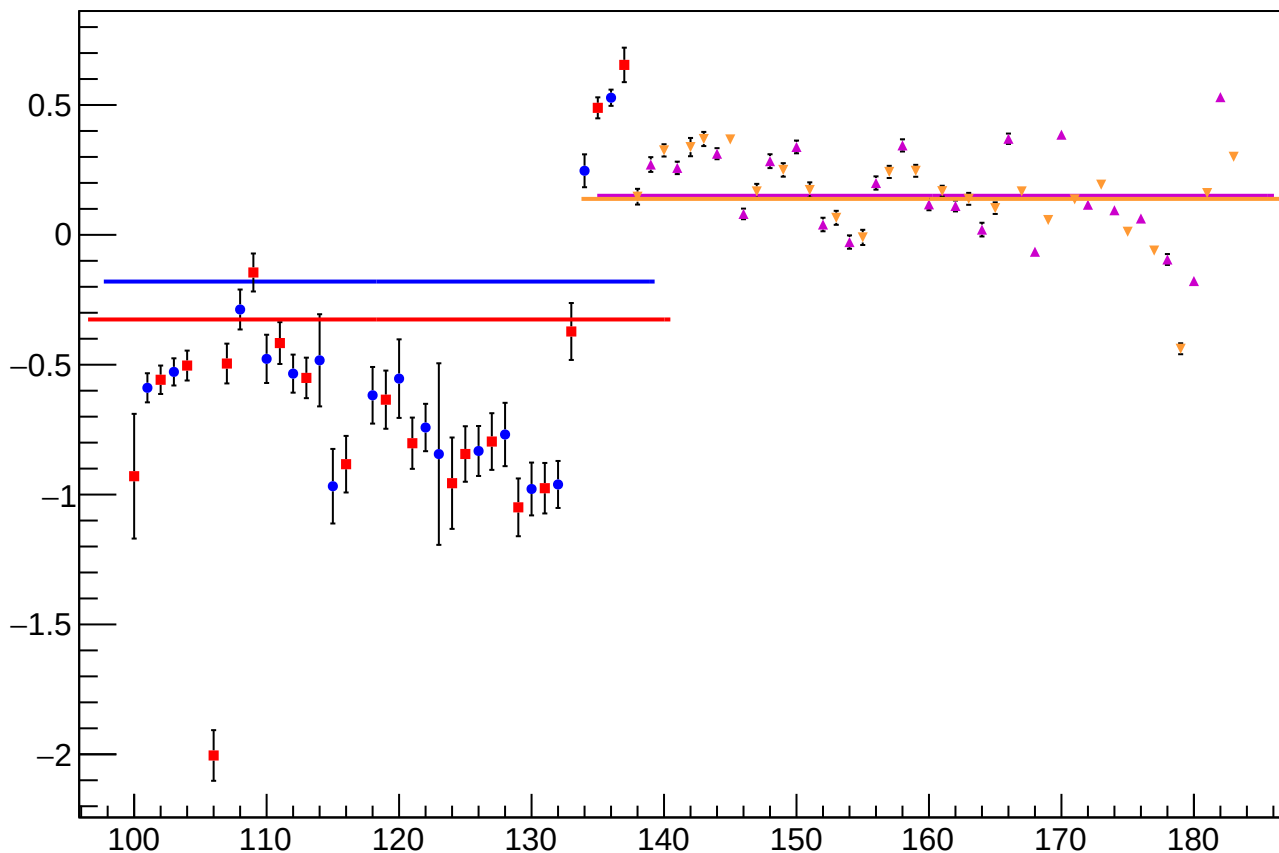
Left In: 31.030 $\pm$ 0.095 χ^2 /NDF:2479.5/21

+ sign 30.556 $\pm$ 0.090 χ^2 /NDF: 8167.7/40

All: 30.472 $\pm$ 0.064 χ^2 /NDF: 15320.1/81

- sign 30.385 $\pm$ 0.091 χ^2 /NDF: 7150.6/40

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.2/16

Left Out: 0.138 ± 0.004 χ^2/NDF : 1480.0/23

Right Out: -0.326 ± 0.018 χ^2/NDF : 1174.1/18

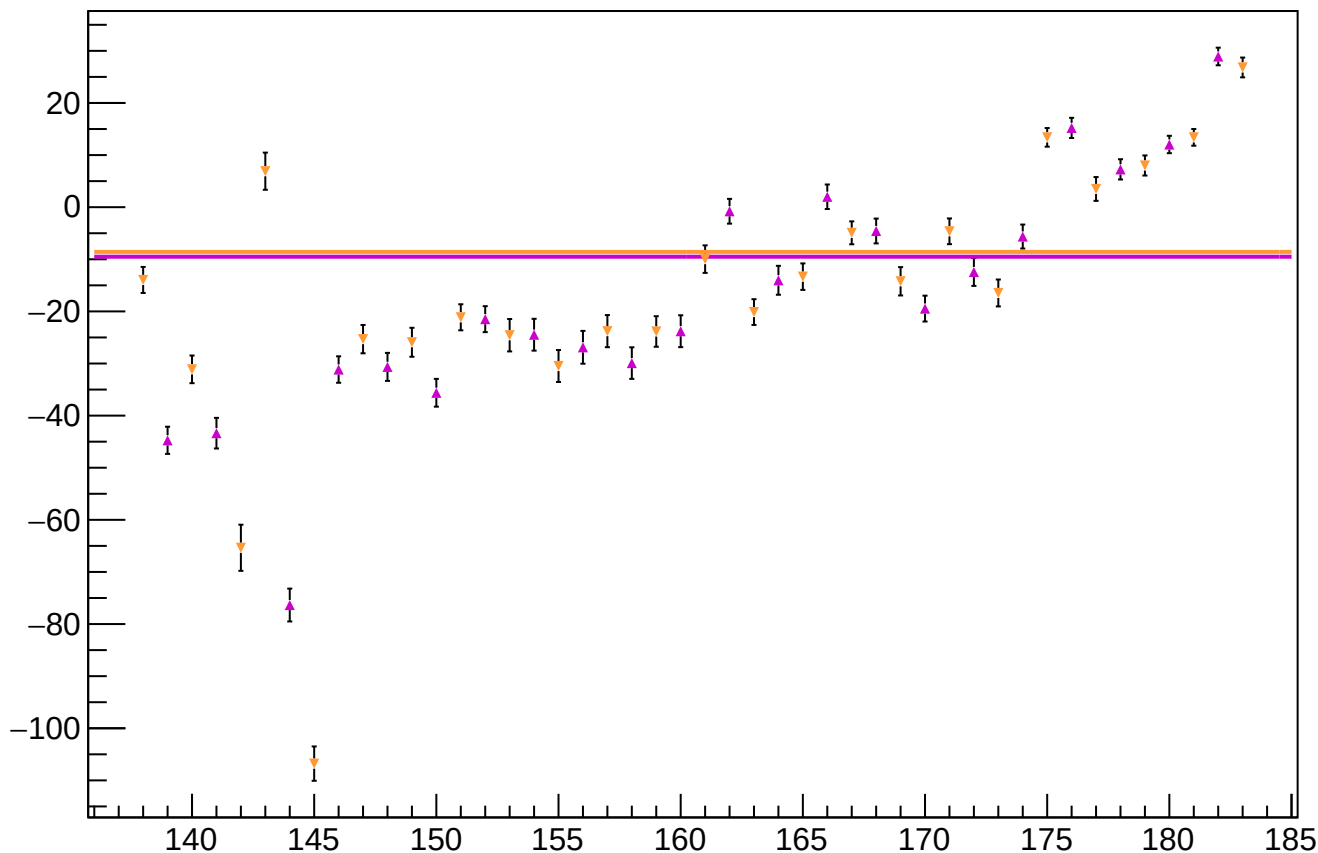
Left In: 0.150 ± 0.004 χ^2/NDF : 1802.6/21

+ sign 0.121 ± 0.004 χ^2/NDF : 2777.9/40

All: 0.123 ± 0.003 χ^2/NDF : 6401.4/81

- sign 0.125 ± 0.004 χ^2/NDF : 3623.2/40

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -8.581 $\pm$ 0.504 χ^2 /NDF: 2211.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

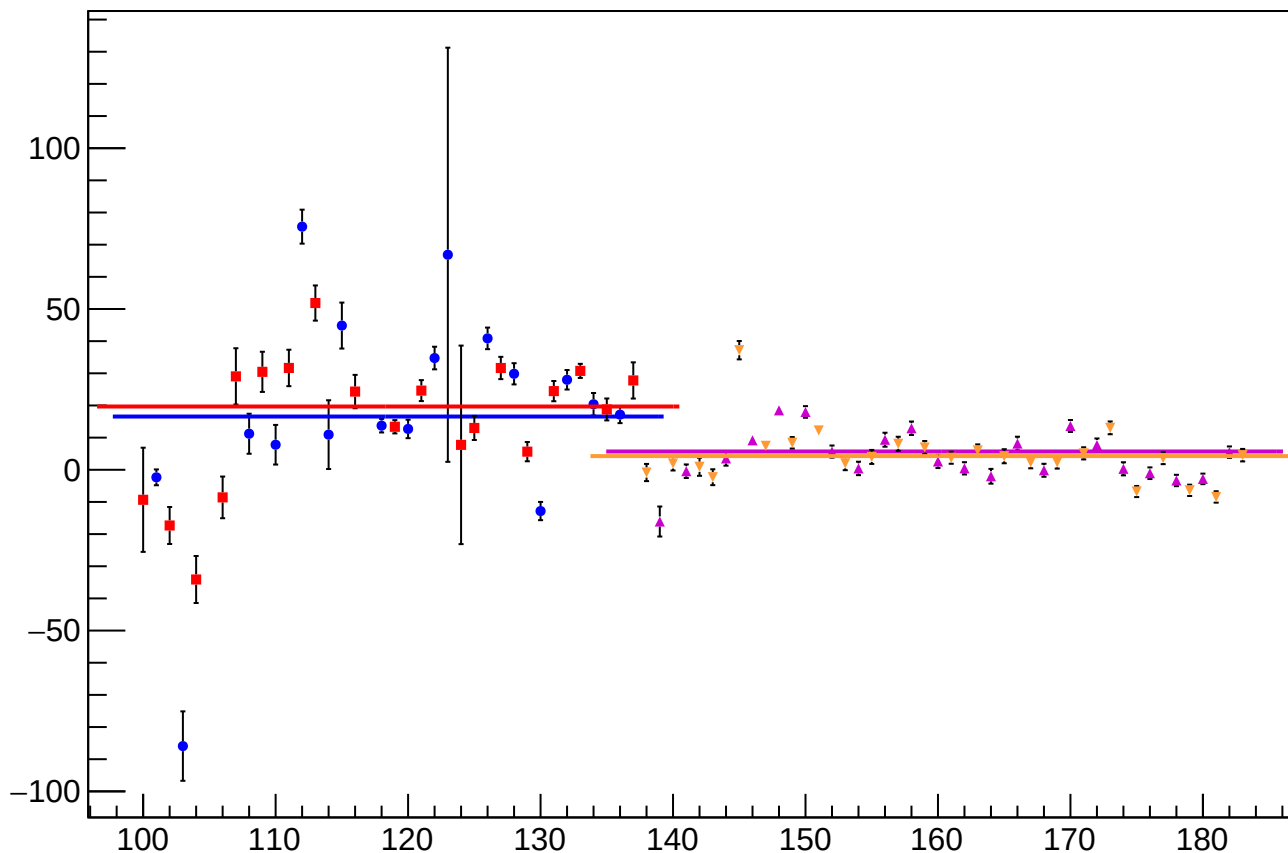
Left In: -9.504 $\pm$ 0.514 χ^2 /NDF: 2124.9/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -9.033 $\pm$ 0.360 χ^2 /NDF: 4338.3/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.559+/-0.860 χ^2/NDF : 514.9/16

Left Out: 4.255+/-0.395 χ^2/NDF : 345.9/23

Right Out: 19.678+/-0.898 χ^2/NDF : 240.6/18

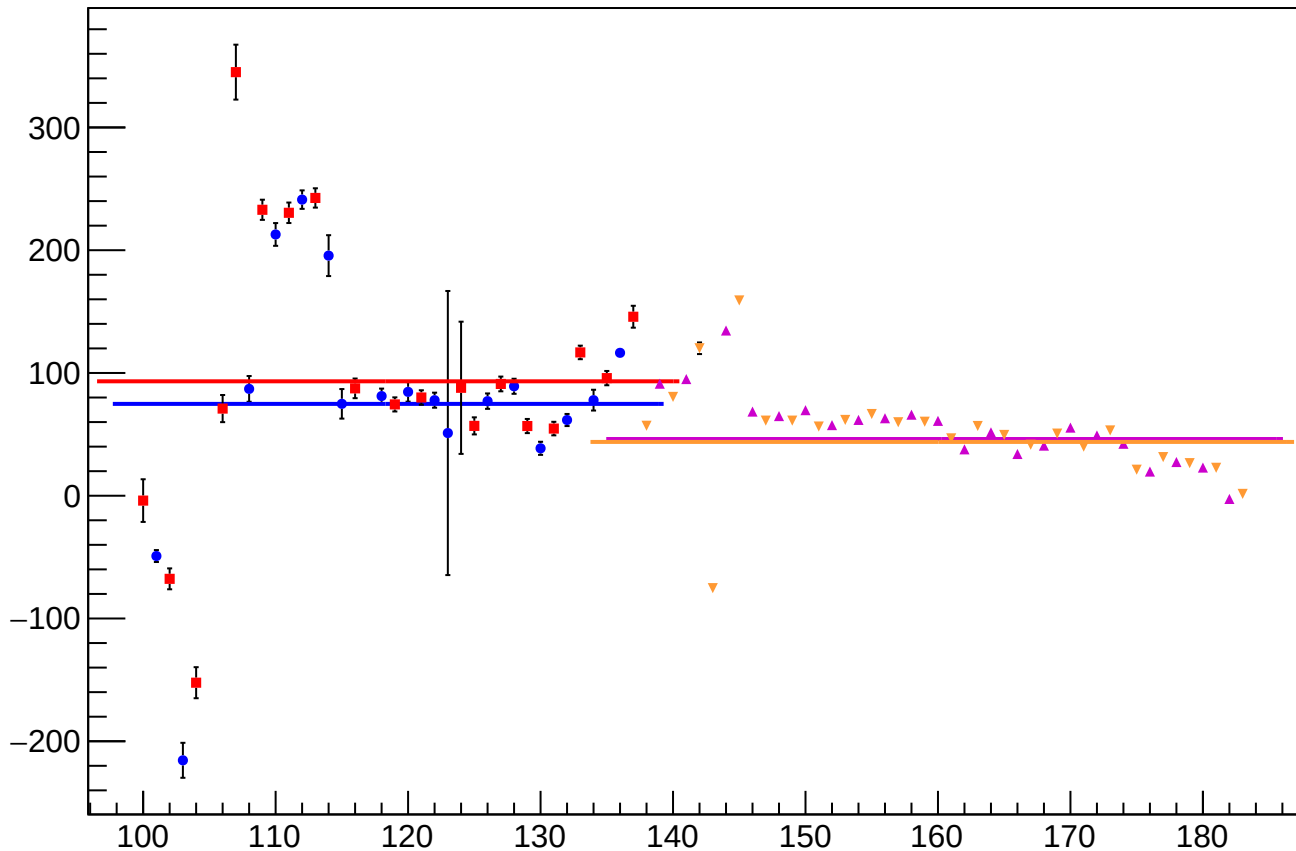
Left In: 5.693+/-0.408 χ^2/NDF : 324.0/21

+ sign 6.396+/-0.359 χ^2/NDF : 1029.9/40

All: 7.211+/-0.258 χ^2/NDF : 1806.4/81

- sign 8.085+/-0.371 χ^2/NDF : 765.8/40

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 74.816 ± 1.649 χ^2/NDF : 1994.3/16

Left Out: 43.833 ± 0.502 χ^2/NDF : 3805.9/23

Right Out: 93.209 ± 1.715 χ^2/NDF : 2001.2/18

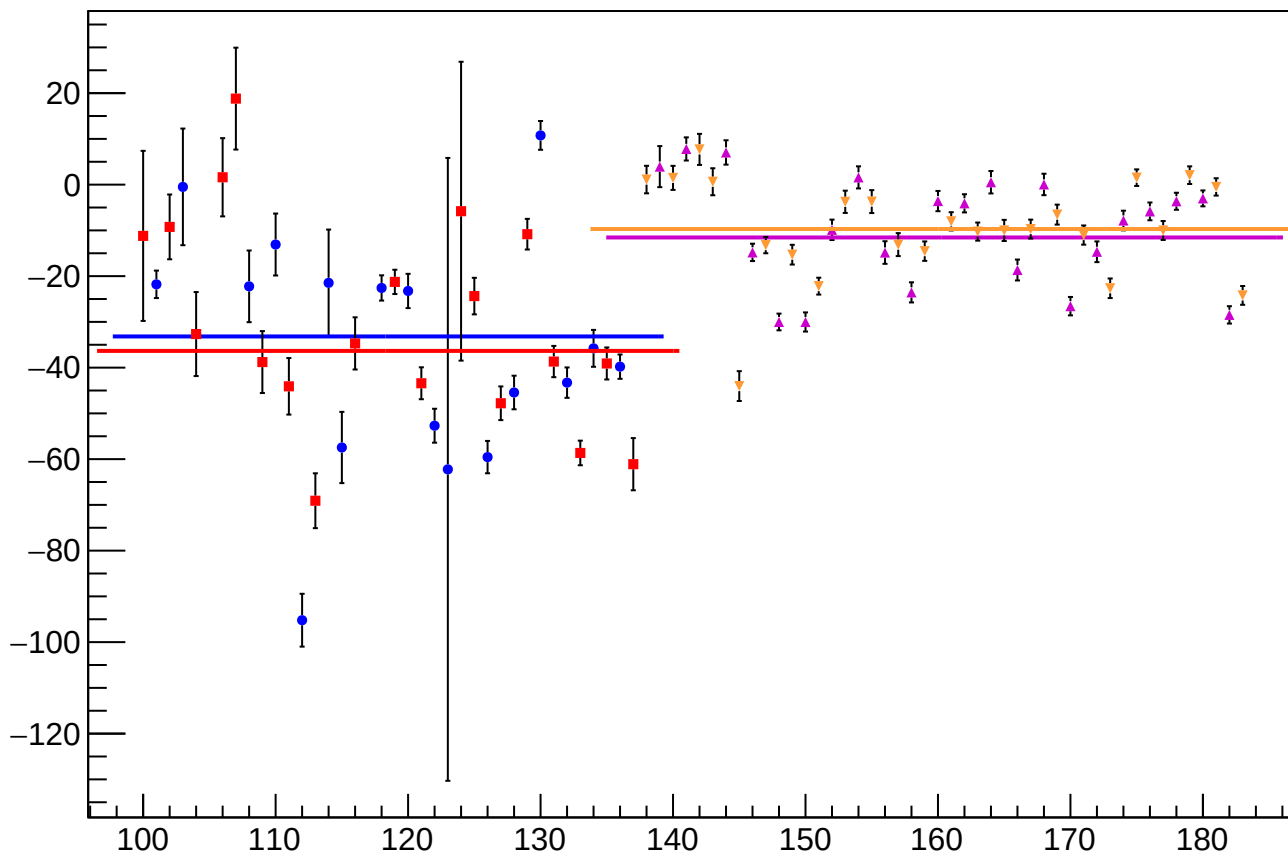
Left In: 46.202 ± 0.511 χ^2/NDF : 2899.2/21

+ sign 46.462 ± 0.480 χ^2/NDF : 6123.1/40

All: 48.213 ± 0.343 χ^2/NDF : 11740.5/81

- sign 50.031 ± 0.490 χ^2/NDF : 5590.3/40

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.182 ± 0.984 χ^2/NDF : 485.4/16

Left Out: -9.698 ± 0.448 χ^2/NDF : 444.9/23

Right Out: -36.341 ± 1.026 χ^2/NDF : 295.1/18

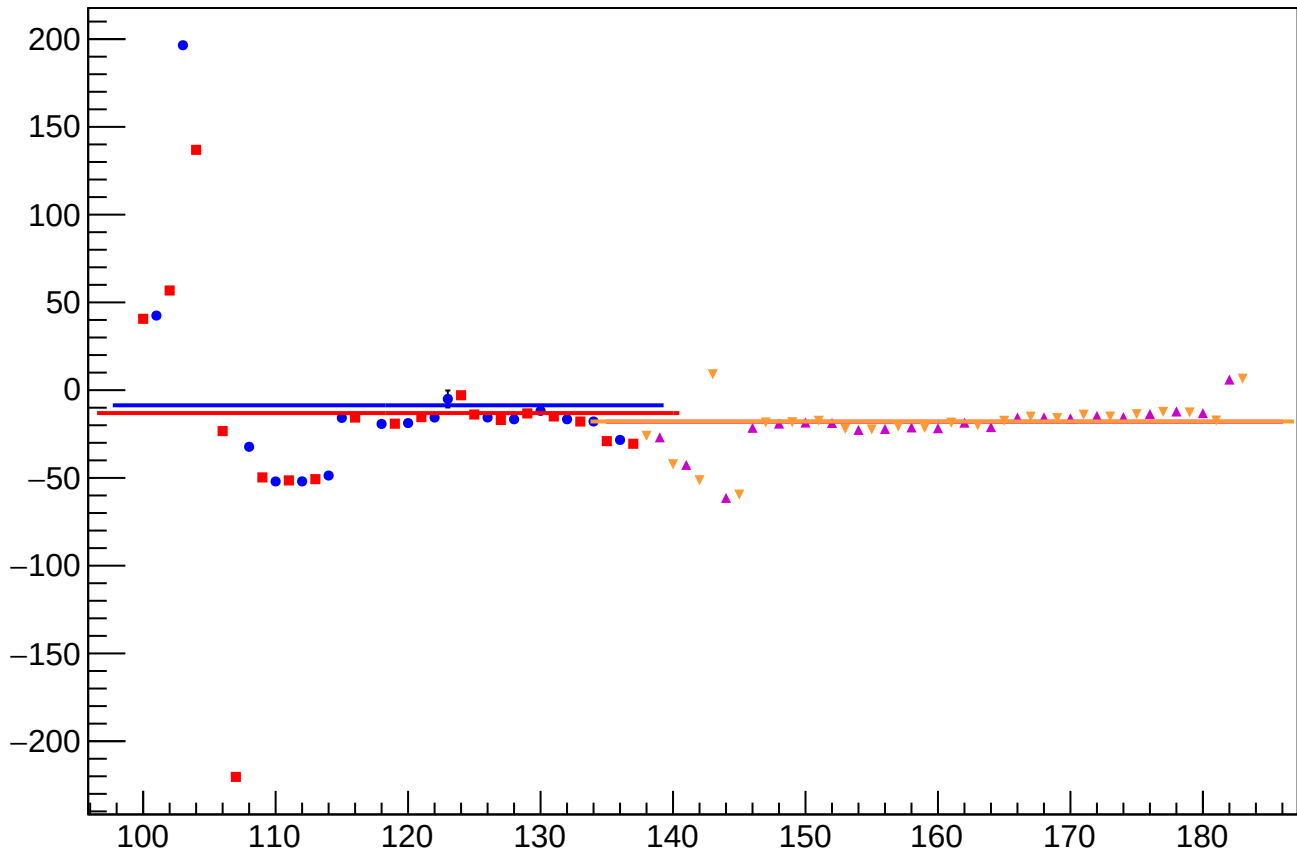
Left In: -11.546 ± 0.461 χ^2/NDF : 640.1/21

+ sign -13.725 ± 0.407 χ^2/NDF : 1402.6/40

All: -14.684 ± 0.292 χ^2/NDF : 2835.1/81

- sign -15.704 ± 0.420 χ^2/NDF : 1421.2/40

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.630 ± 0.059 χ^2/NDF : 575559.8/16

Left Out: -17.837 ± 0.021 χ^2/NDF : 295681.7/23

Right Out: -13.064 ± 0.062 χ^2/NDF : 558310.5/18

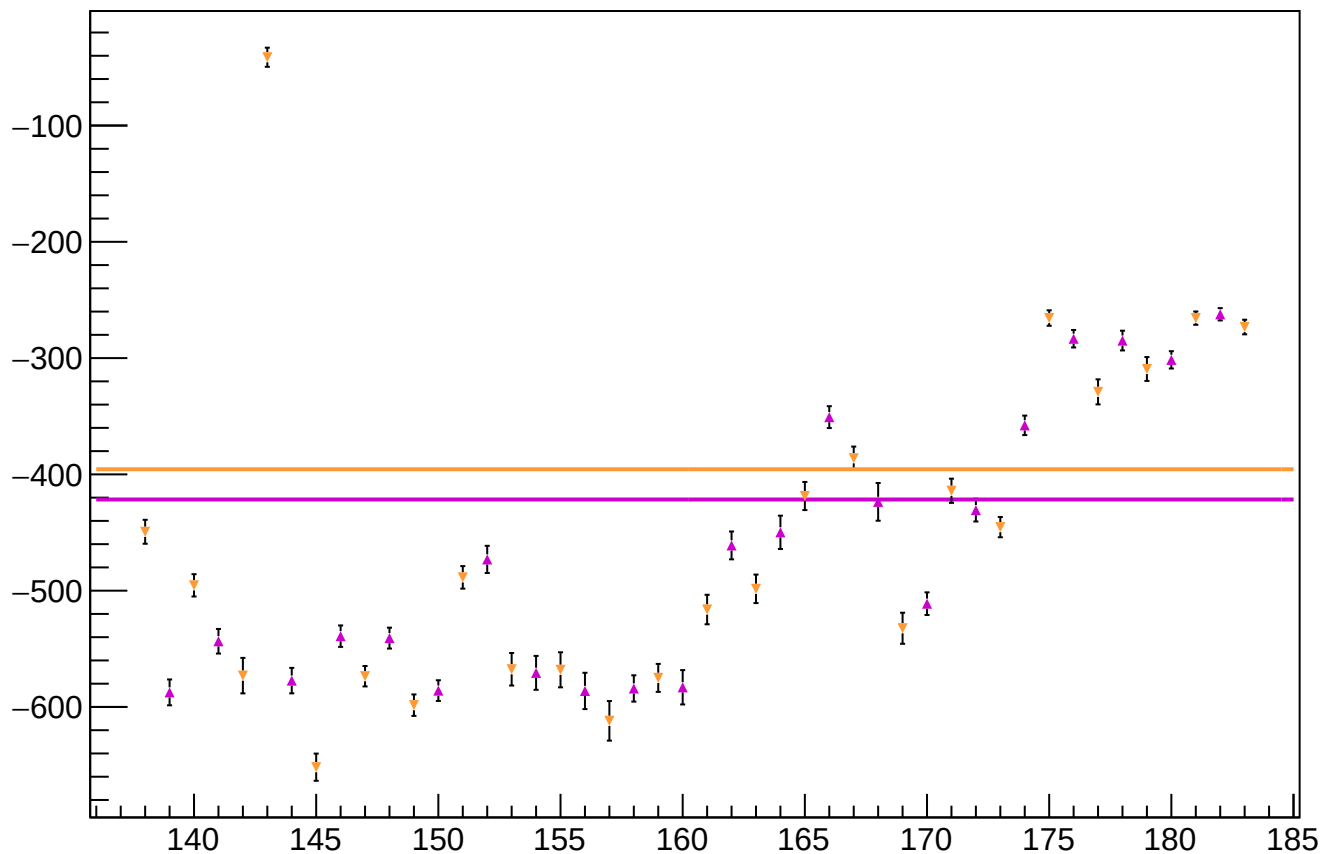
Left In: -17.989 ± 0.021 χ^2/NDF : 233287.0/21

+ sign -16.840 ± 0.019 χ^2/NDF : 892848.4/40

All: -17.157 ± 0.014 χ^2/NDF : 1690662.4/81

- sign -17.485 ± 0.020 χ^2/NDF : 797274.5/40

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -395.581+/-1.977 χ^2/NDF : 5946.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

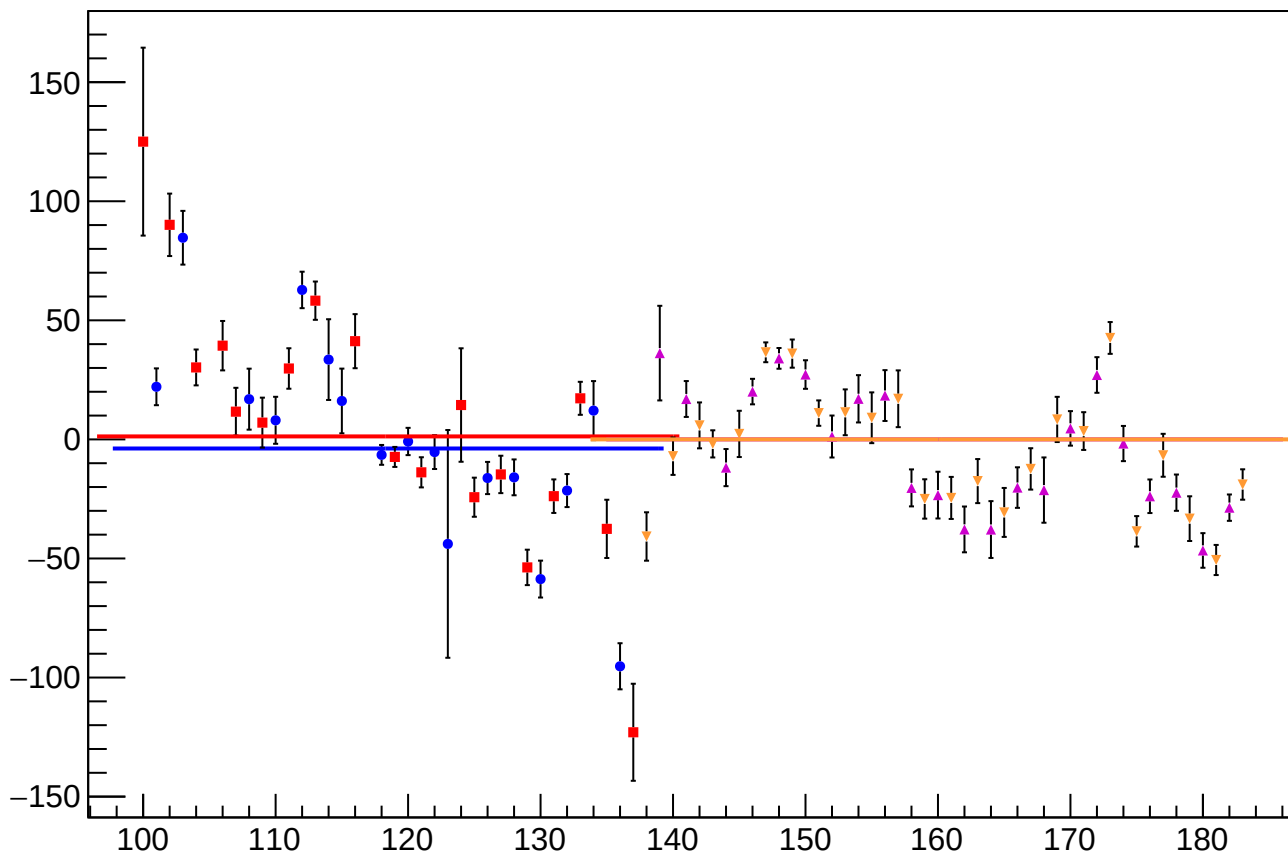
Left In: -421.610+/-2.050 χ^2/NDF : 3774.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -408.124+/-1.423 χ^2/NDF : 9804.7/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.821 ± 1.927 χ^2/NDF : 314.4/16

Left Out: 0.009 ± 1.516 χ^2/NDF : 335.8/23

Right Out: 1.253 ± 1.917 χ^2/NDF : 303.3/18

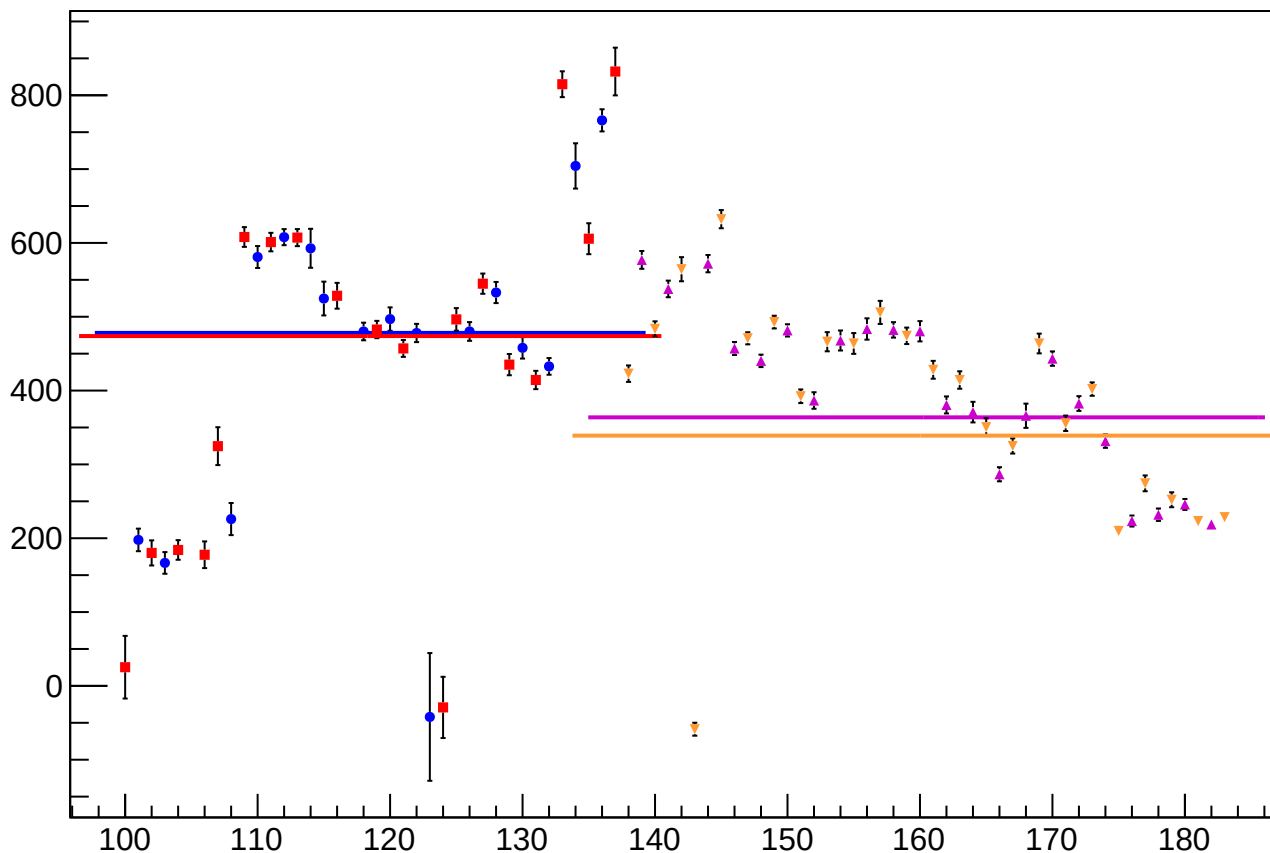
Left In: 0.010 ± 1.597 χ^2/NDF : 260.2/21

+ sign -1.456 ± 1.191 χ^2/NDF : 652.6/40

All: -0.498 ± 0.855 χ^2/NDF : 1217.6/81

- sign 0.519 ± 1.227 χ^2/NDF : 563.7/40

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.121 ± 3.670 $\chi^2/\text{NDF}: 1627.6/16$

Left Out: 338.992 ± 1.984 $\chi^2/\text{NDF}: 5500.9/23$

Right Out: 473.847 ± 3.538 $\chi^2/\text{NDF}: 2285.5/18$

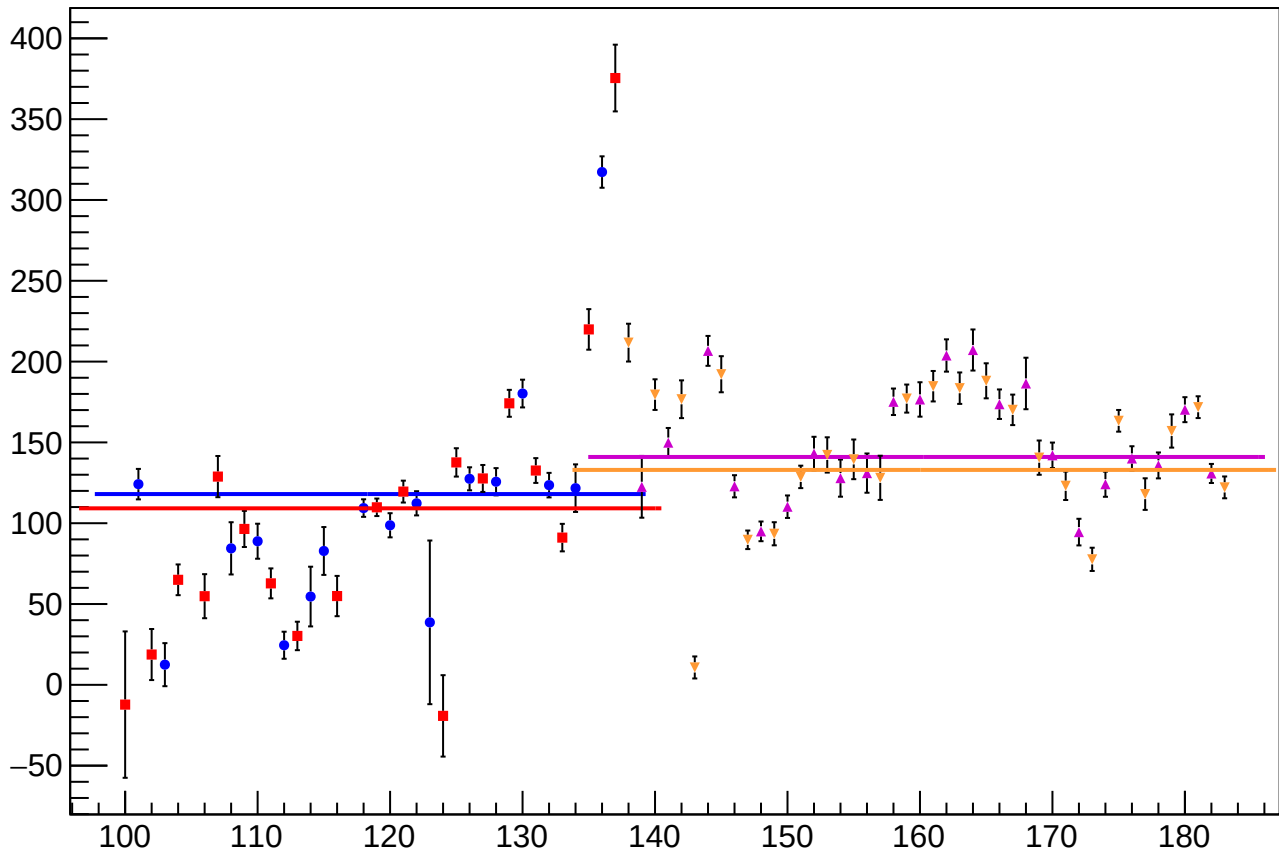
Left In: 363.721 ± 2.044 $\chi^2/\text{NDF}: 3296.4/21$

+ sign 370.448 ± 1.745 $\chi^2/\text{NDF}: 8240.4/40$

All: 380.717 ± 1.243 $\chi^2/\text{NDF}: 14619.2/81$

- sign 391.273 ± 1.770 $\chi^2/\text{NDF}: 6308.6/40$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.036 $\pm$ 2.231 χ^2 /NDF: 705.1/16

Left Out: 132.979 $\pm$ 1.745 χ^2 /NDF: 771.5/23

Right Out: 109.208 $\pm$ 2.209 χ^2 /NDF: 568.1/18

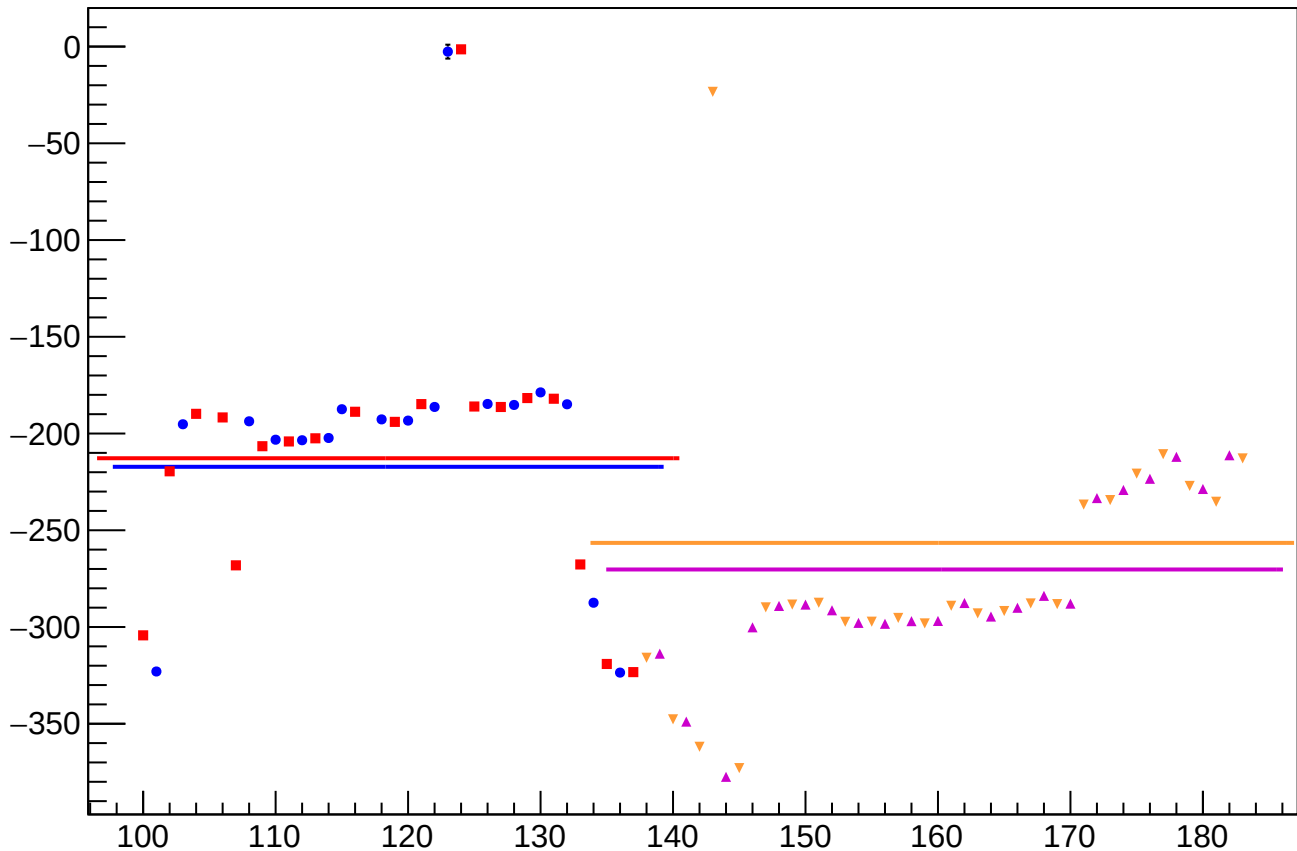
Left In: 140.994 $\pm$ 1.824 χ^2 /NDF: 308.3/21

+ sign 127.305 $\pm$ 1.374 χ^2 /NDF: 1504.4/40

All: 127.699 $\pm$ 0.983 χ^2 /NDF: 2504.1/81

- sign 128.112 $\pm$ 1.406 χ^2 /NDF: 999.5/40

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.198 ± 0.137 $\chi^2/\text{NDF}: 146444.6/16$

Left Out: -256.519 ± 0.083 $\chi^2/\text{NDF}: 719824.4/23$

Right Out: -212.772 ± 0.130 $\chi^2/\text{NDF}: 115507.3/18$

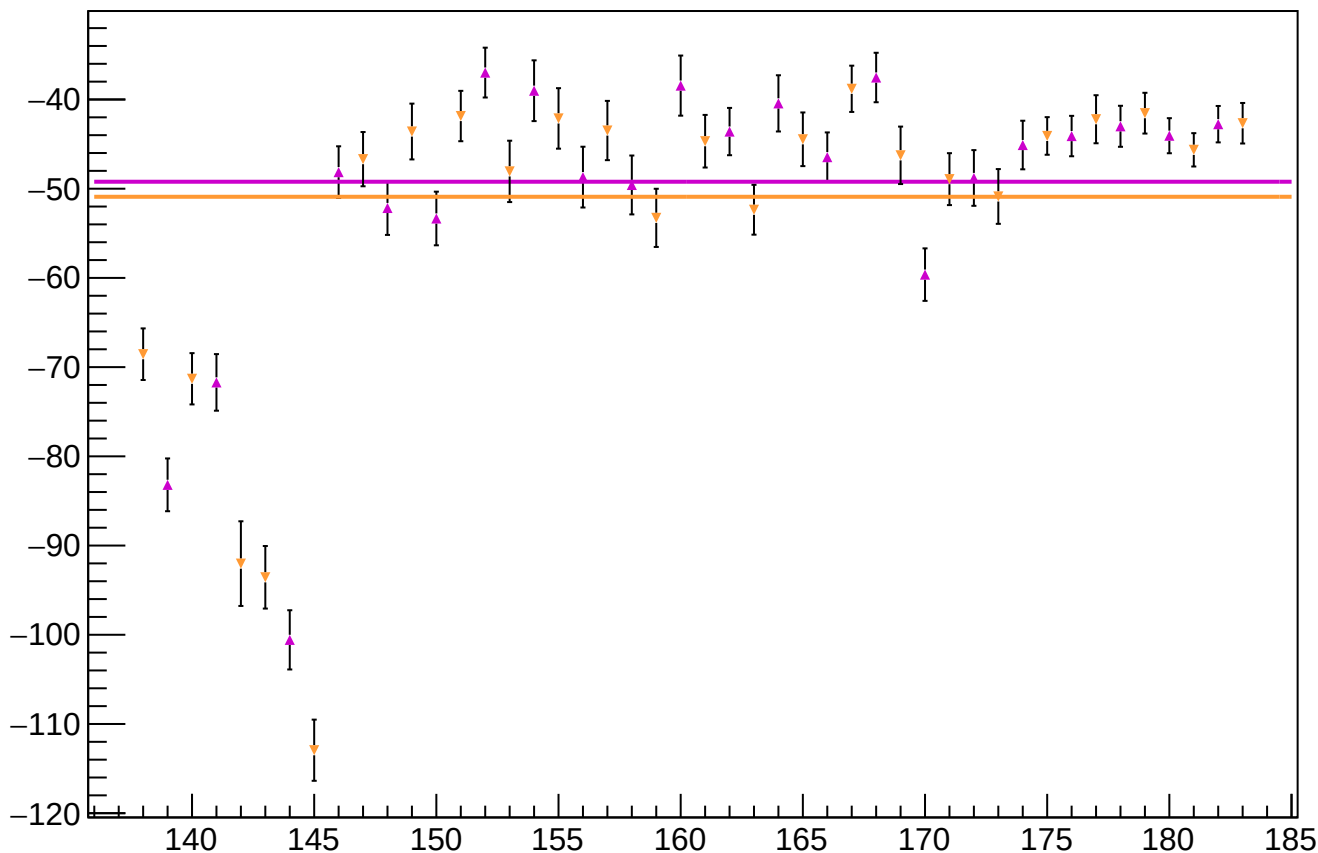
Left In: -270.267 ± 0.085 $\chi^2/\text{NDF}: 248277.8/21$

+ sign -245.903 ± 0.071 $\chi^2/\text{NDF}: 926587.7/40$

All: -249.476 ± 0.050 $\chi^2/\text{NDF}: 1431802.2/81$

- sign -253.071 ± 0.071 $\chi^2/\text{NDF}: 500145.3/40$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -50.905 ± 0.577 $\chi^2/\text{NDF}: 761.1/23$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

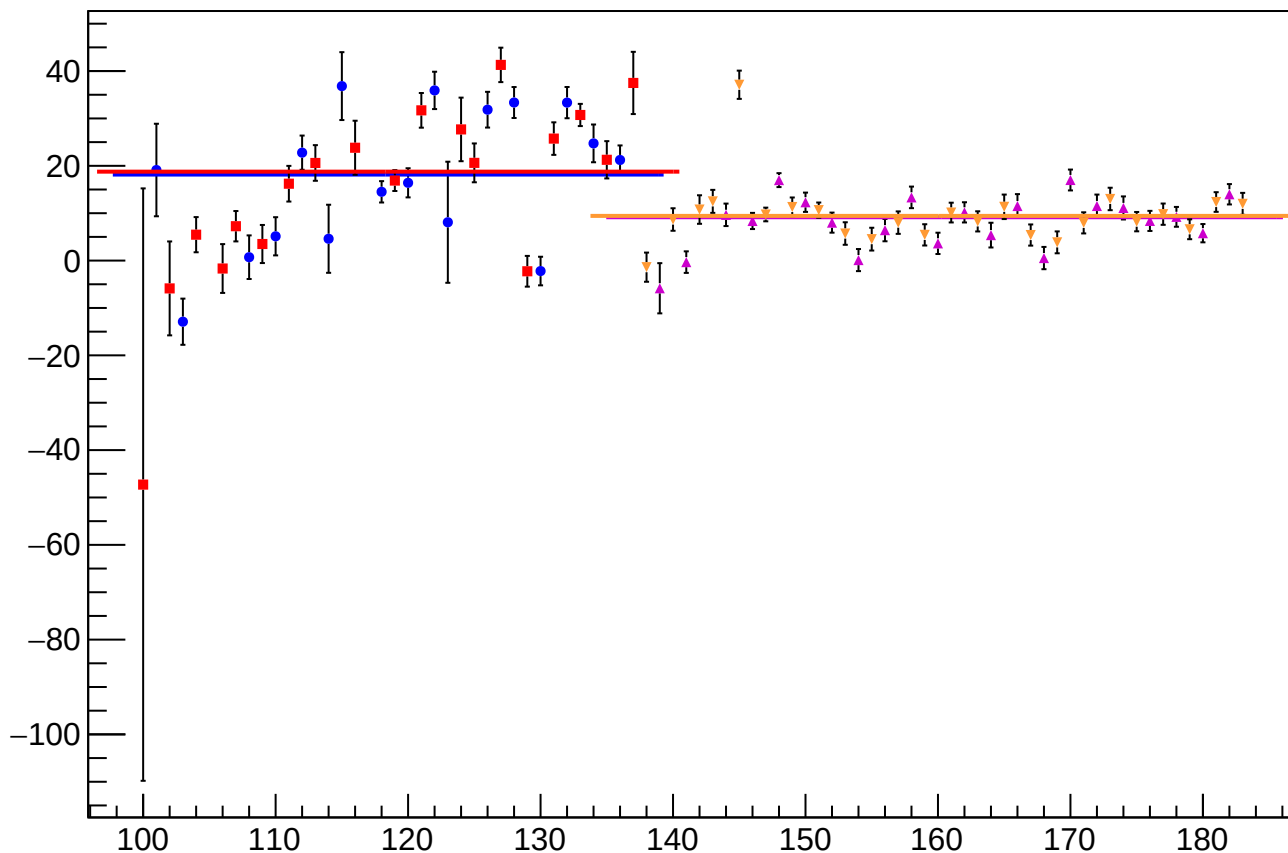
Left In: -49.219 ± 0.591 $\chi^2/\text{NDF}: 537.9/21$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

All: -50.082 ± 0.413 $\chi^2/\text{NDF}: 1303.2/45$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.157 ± 0.919 χ^2/NDF : 206.6/16

Left Out: 9.432 ± 0.449 χ^2/NDF : 130.3/23

Right Out: 18.770 ± 0.864 χ^2/NDF : 199.0/18

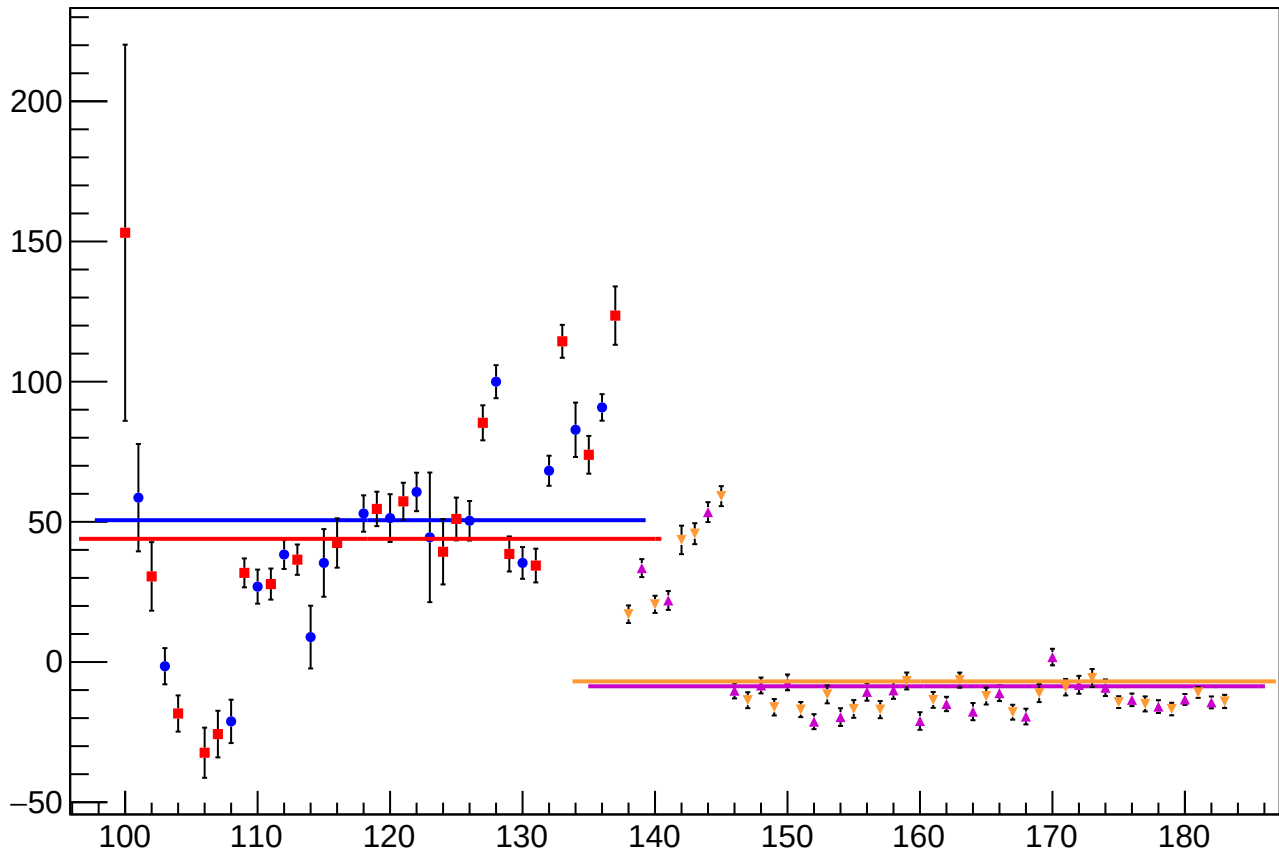
Left In: 9.148 ± 0.465 χ^2/NDF : 121.8/21

+ sign 11.111 ± 0.403 χ^2/NDF : 409.7/40

All: 11.209 ± 0.287 χ^2/NDF : 826.8/81

- sign 11.311 ± 0.410 χ^2/NDF : 417.0/40

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.587 ± 1.681 χ^2/NDF : 361.7/16

Left Out: -6.899 ± 0.575 χ^2/NDF : 914.2/23

Right Out: 43.942 ± 1.605 χ^2/NDF : 533.3/18

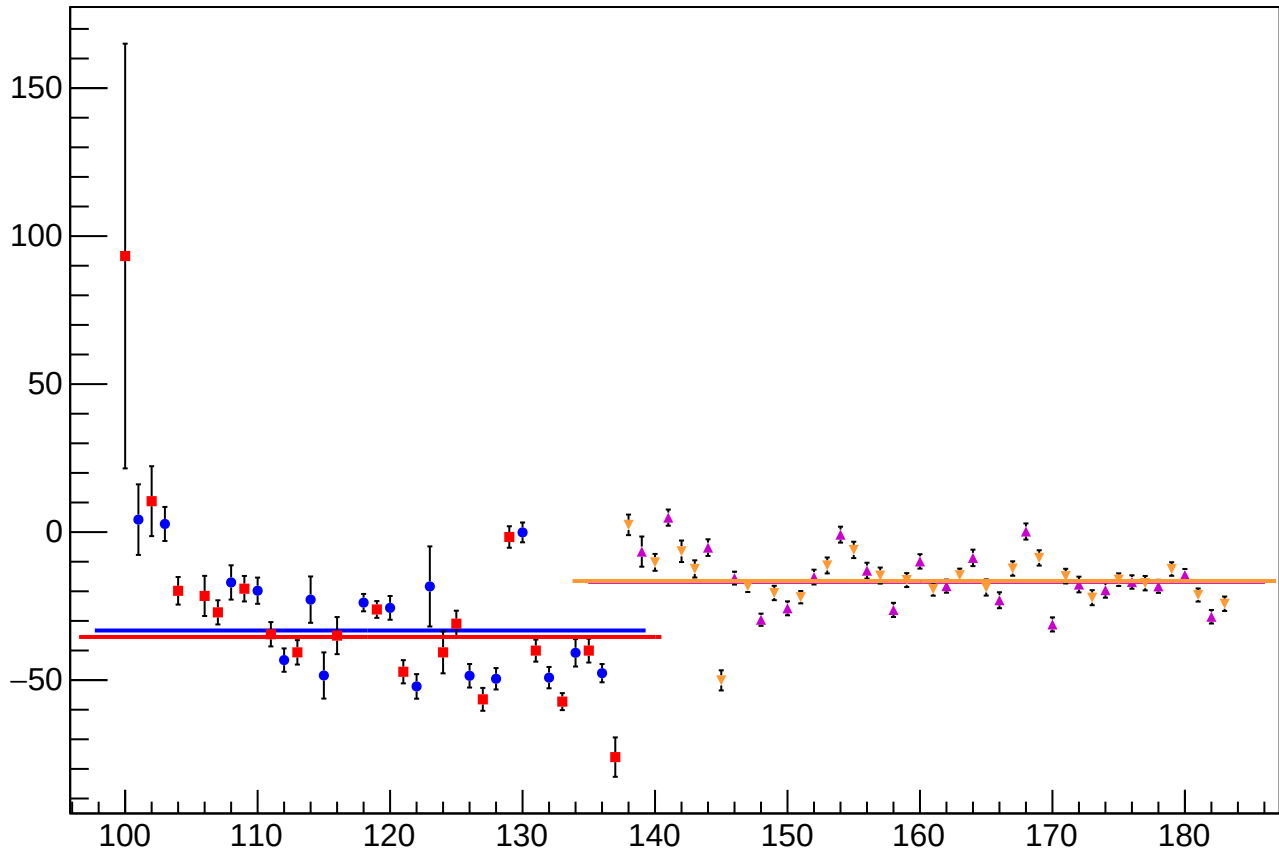
Left In: -8.655 ± 0.586 χ^2/NDF : 683.2/21

+ sign -0.875 ± 0.544 χ^2/NDF : 2323.4/40

All: -1.662 ± 0.387 χ^2/NDF : 4491.6/81

- sign -2.468 ± 0.551 χ^2/NDF : 2163.9/40

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.238 ± 1.045 χ^2/NDF : 291.4/16

Left Out: -16.514 ± 0.510 χ^2/NDF : 209.2/23

Right Out: -35.423 ± 0.993 χ^2/NDF : 289.2/18

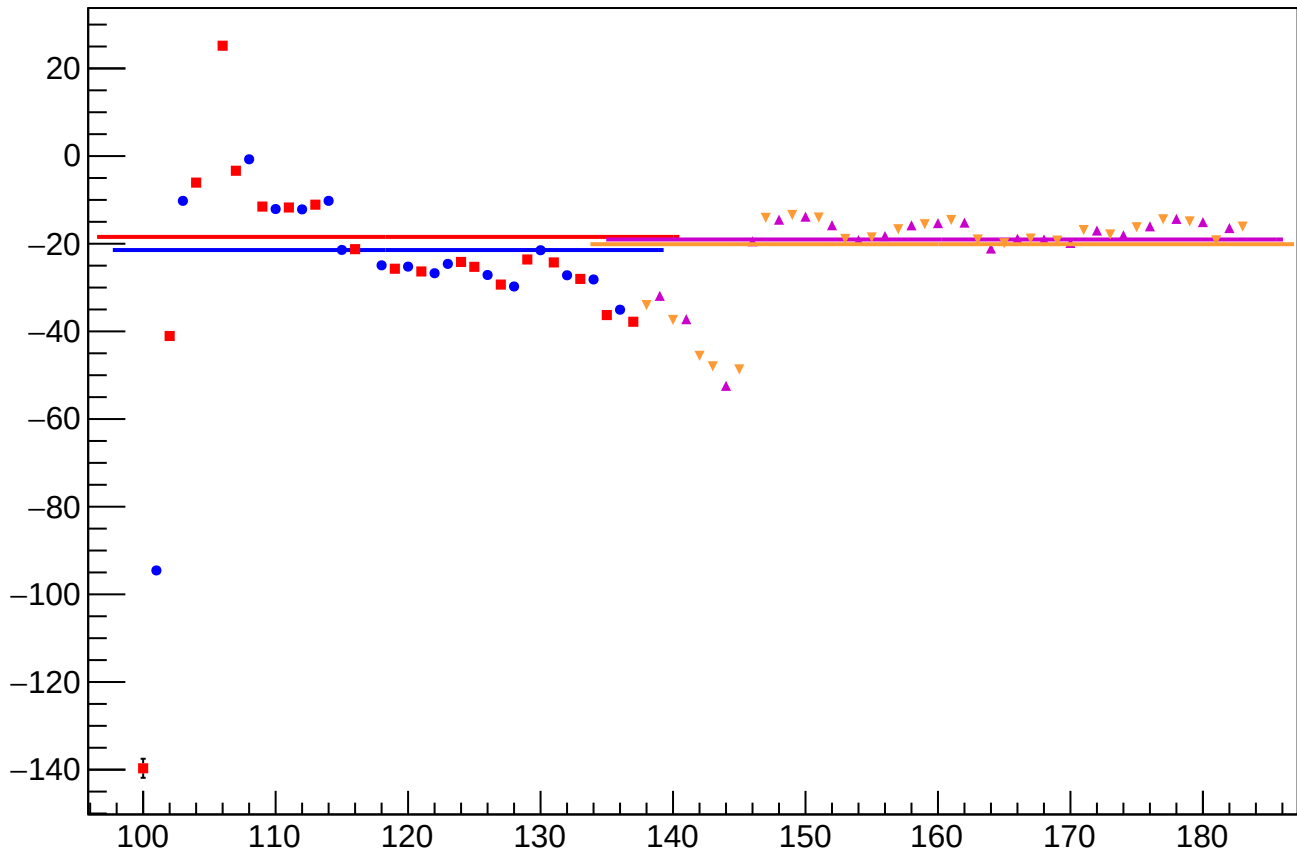
Left In: -16.812 ± 0.526 χ^2/NDF : 317.9/21

+ sign -19.729 ± 0.458 χ^2/NDF : 707.3/40

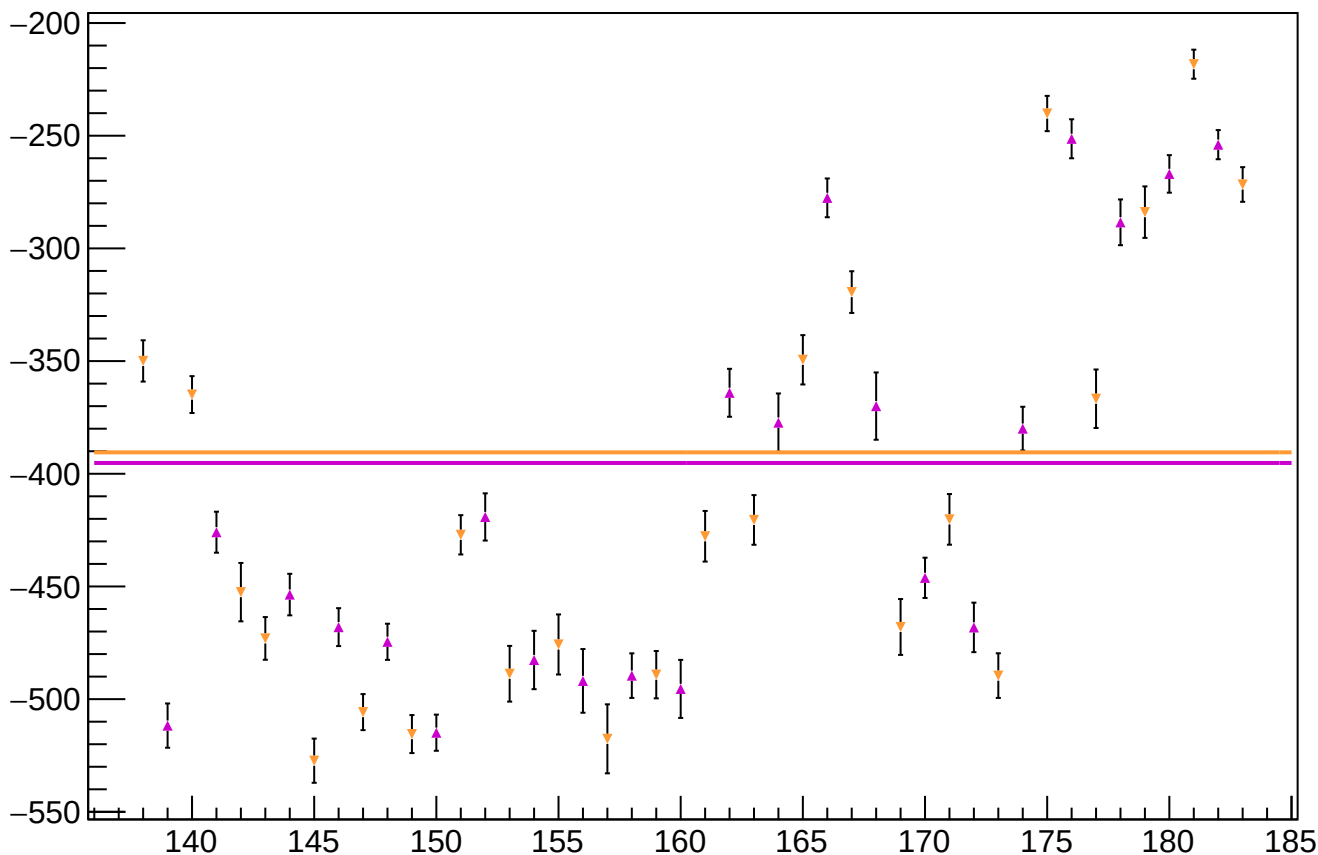
All: -20.303 ± 0.326 χ^2/NDF : 1591.8/81

- sign -20.893 ± 0.465 χ^2/NDF : 881.3/40

reg_asym_atr1_diff_bpm12X_slope vs Slug



reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -390.495+/-1.983 χ^2/NDF : 2678.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

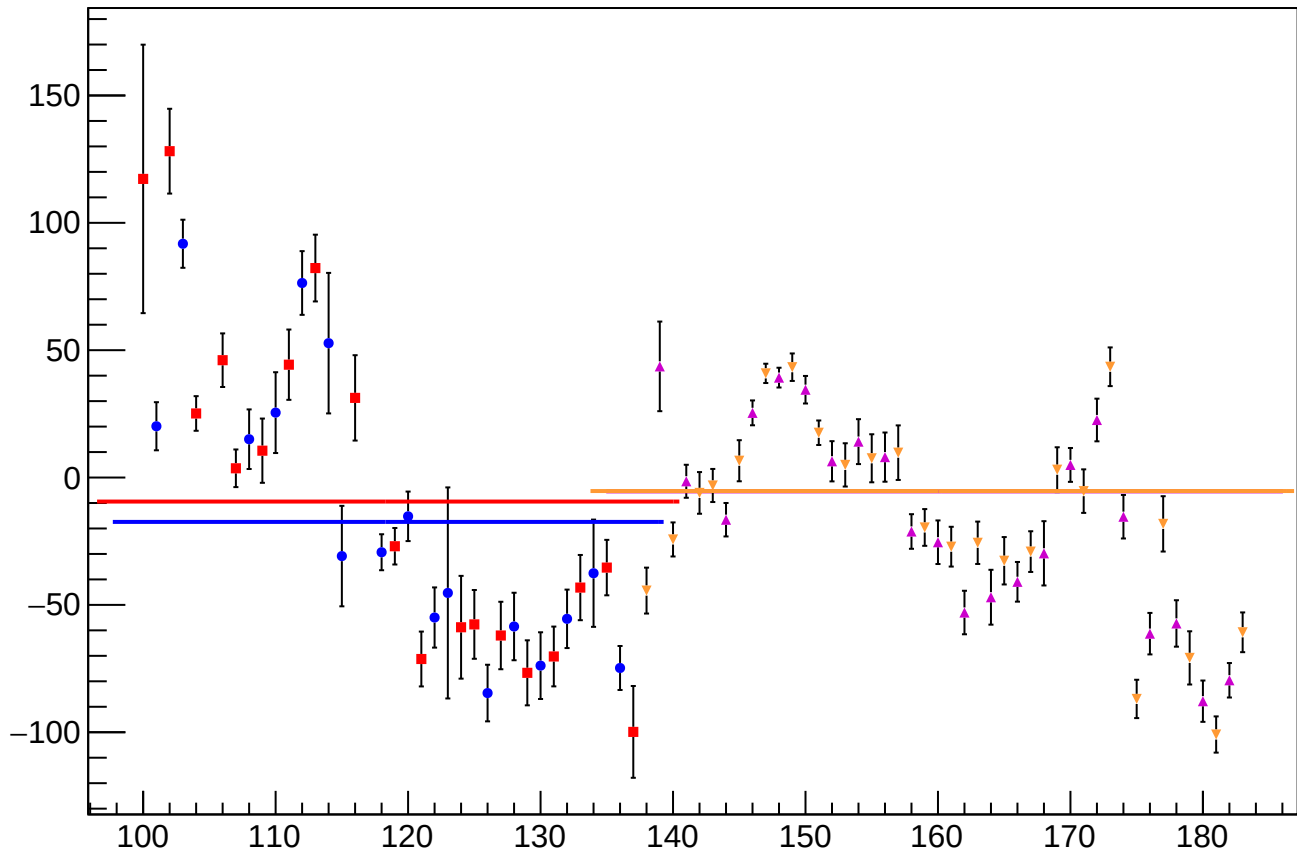
Left In: -395.204+/-2.035 χ^2/NDF : 2217.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -392.788+/-1.420 χ^2/NDF : 4898.3/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.419 ± 2.826 χ^2/NDF : 362.1/16

Left Out: -5.303 ± 1.471 χ^2/NDF : 754.0/23

Right Out: -9.431 ± 2.611 χ^2/NDF : 369.3/18

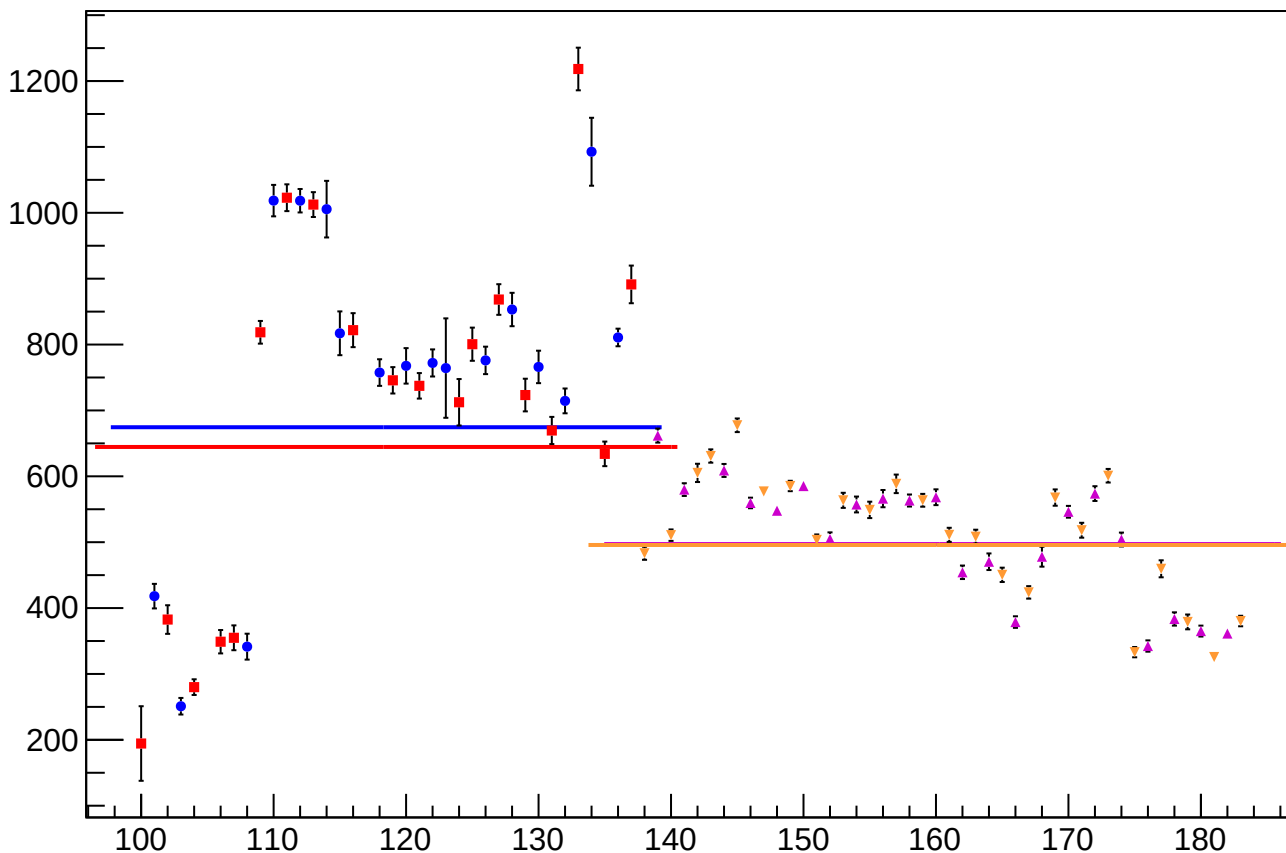
Left In: -5.436 ± 1.529 χ^2/NDF : 645.7/21

+ sign -7.885 ± 1.304 χ^2/NDF : 1130.5/40

All: -7.179 ± 0.928 χ^2/NDF : 2147.8/81

- sign -6.457 ± 1.320 χ^2/NDF : 1016.7/40

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 674.502 ± 5.076 $\chi^2/\text{NDF}: 2580.6/16$

Left Out: 495.777 ± 1.980 $\chi^2/\text{NDF}: 2569.4/23$

Right Out: 644.557 ± 4.767 $\chi^2/\text{NDF}: 3120.1/18$

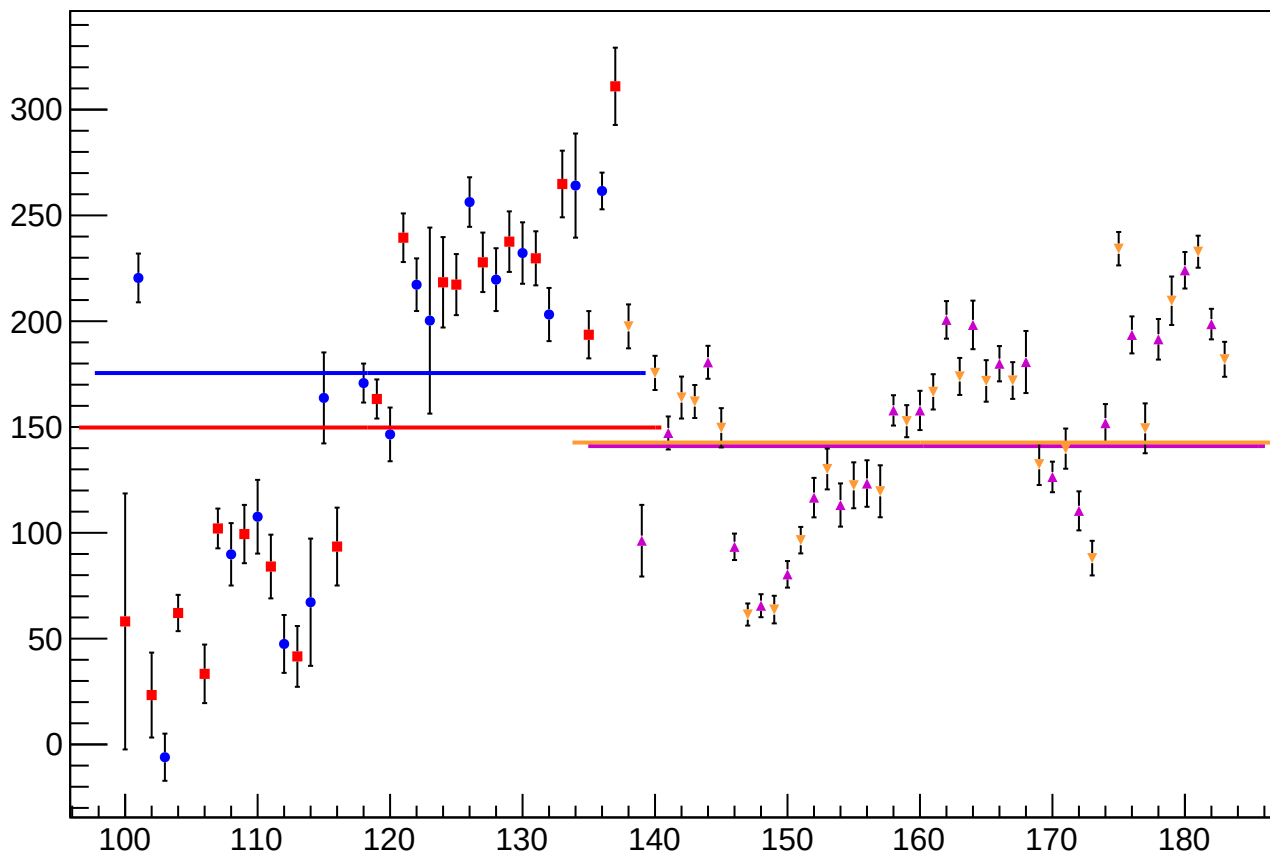
Left In: 497.189 ± 2.019 $\chi^2/\text{NDF}: 2225.7/21$

+ sign 519.384 ± 1.845 $\chi^2/\text{NDF}: 6225.9/40$

All: 519.492 ± 1.310 $\chi^2/\text{NDF}: 12382.0/81$

- sign 519.601 ± 1.859 $\chi^2/\text{NDF}: 6156.1/40$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.509 ± 3.245 χ^2/NDF : 635.4/16

Left Out: 142.670 ± 1.710 χ^2/NDF : 929.1/23

Right Out: 149.769 ± 3.046 χ^2/NDF : 691.2/18

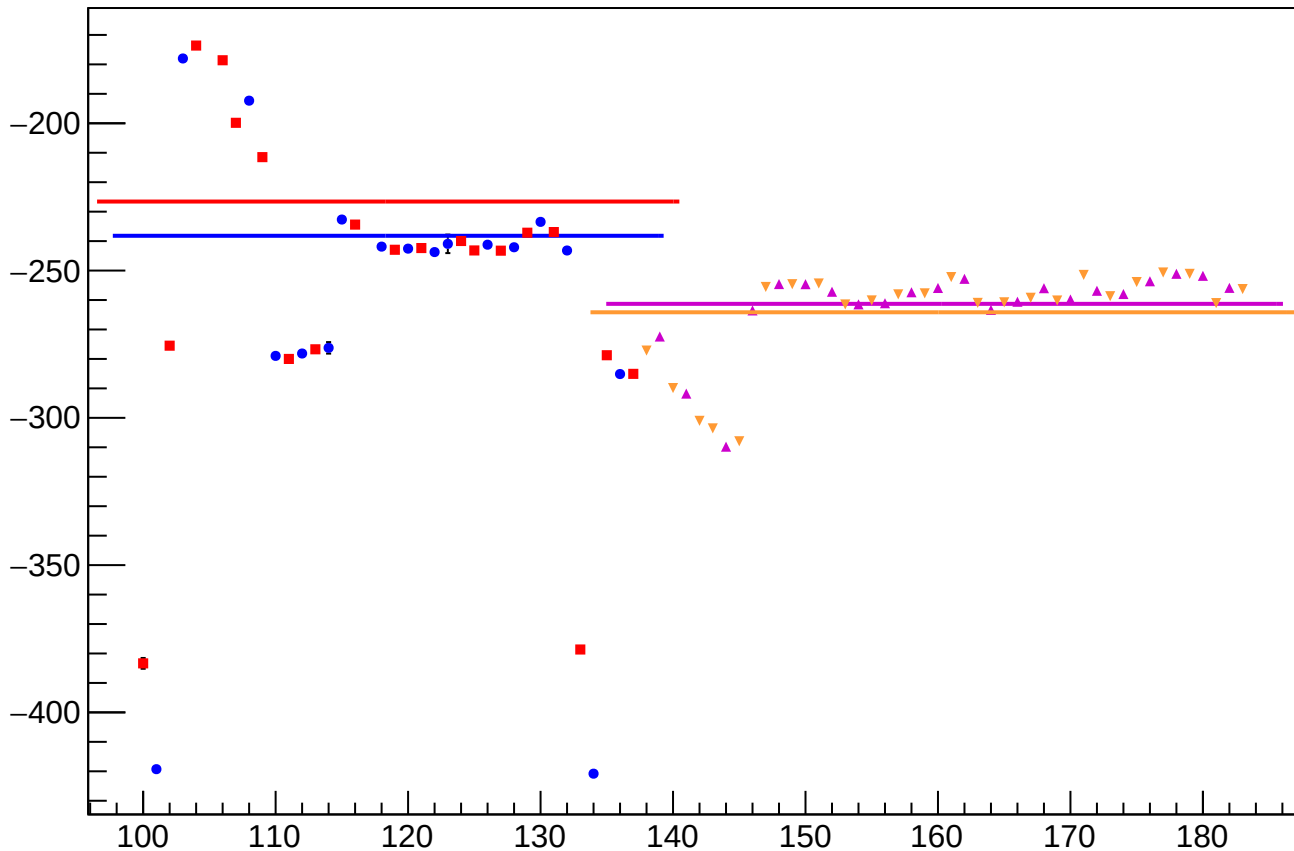
Left In: 141.001 ± 1.766 χ^2/NDF : 739.2/21

+ sign 149.804 ± 1.513 χ^2/NDF : 1644.6/40

All: 146.537 ± 1.075 χ^2/NDF : 3090.6/81

- sign 143.206 ± 1.528 χ^2/NDF : 1436.6/40

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.191 ± 0.161 χ^2/NDF : 167088.3/16

Left Out: -264.163 ± 0.082 χ^2/NDF : 38717.2/23

Right Out: -226.567 ± 0.151 χ^2/NDF : 102539.6/18

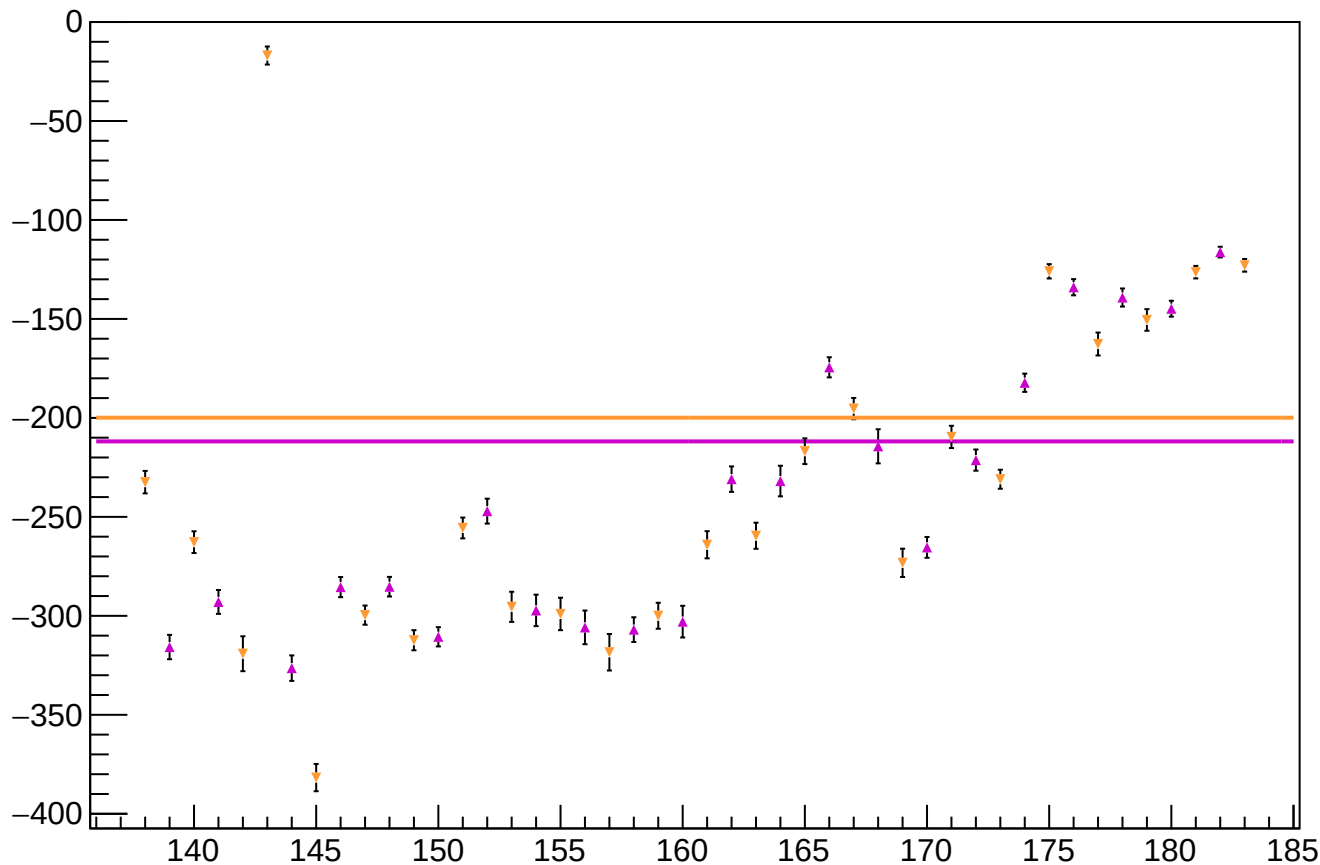
Left In: -261.299 ± 0.083 χ^2/NDF : 23347.3/21

+ sign -258.787 ± 0.073 χ^2/NDF : 226544.6/40

All: -256.019 ± 0.052 χ^2/NDF : 395798.5/81

- sign -253.278 ± 0.073 χ^2/NDF : 166397.7/40

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

Left Out: -199.900 +/- 1.075 χ^2/NDF : 6360.7/23

Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

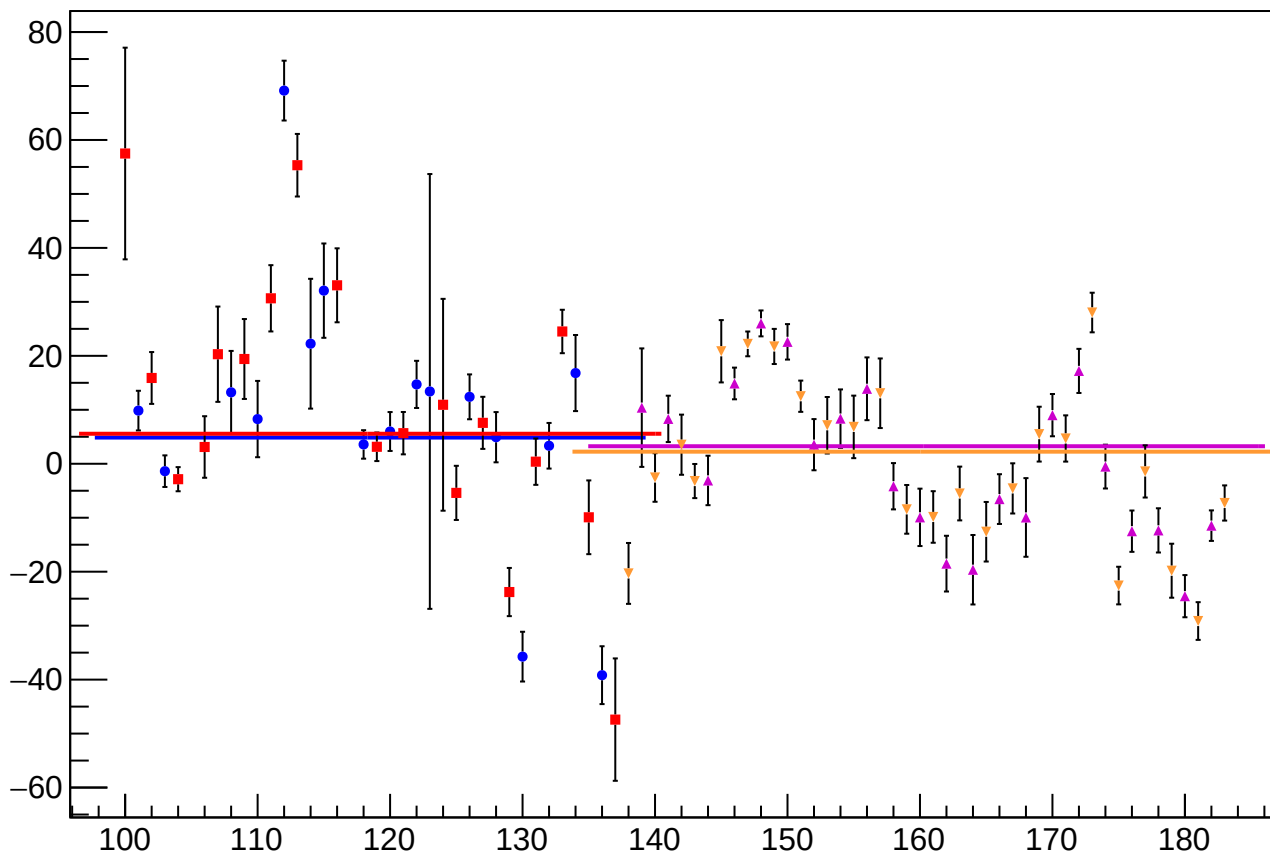
Left In: -211.870 +/- 1.109 χ^2/NDF : 4616.7/21

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -205.704 +/- 0.772 χ^2/NDF : 11037.5/45

- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.855 ± 1.107 χ^2/NDF : 310.9/16

Left Out: 2.242 ± 0.828 χ^2/NDF : 392.8/23

Right Out: 5.561 ± 1.070 χ^2/NDF : 238.3/18

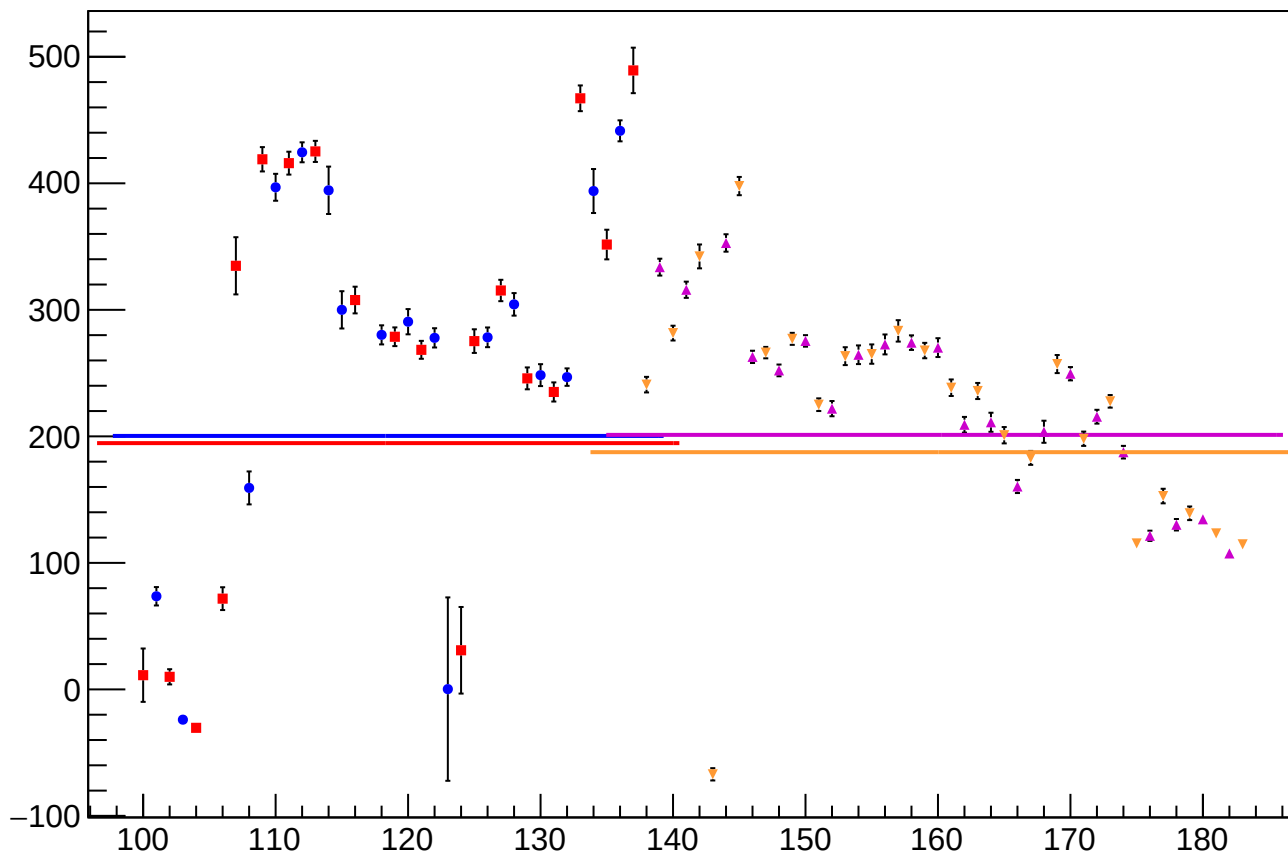
Left In: 3.247 ± 0.870 χ^2/NDF : 319.2/21

+ sign 3.180 ± 0.663 χ^2/NDF : 707.3/40

All: 3.665 ± 0.473 χ^2/NDF : 1268.8/81

- sign 4.168 ± 0.675 χ^2/NDF : 560.4/40

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.347+/-1.987 χ^2/NDF : 6717.6/16

Left Out: 187.509+/-1.079 χ^2/NDF : 7081.9/23

Right Out: 194.656+/-1.927 χ^2/NDF : 8242.8/18

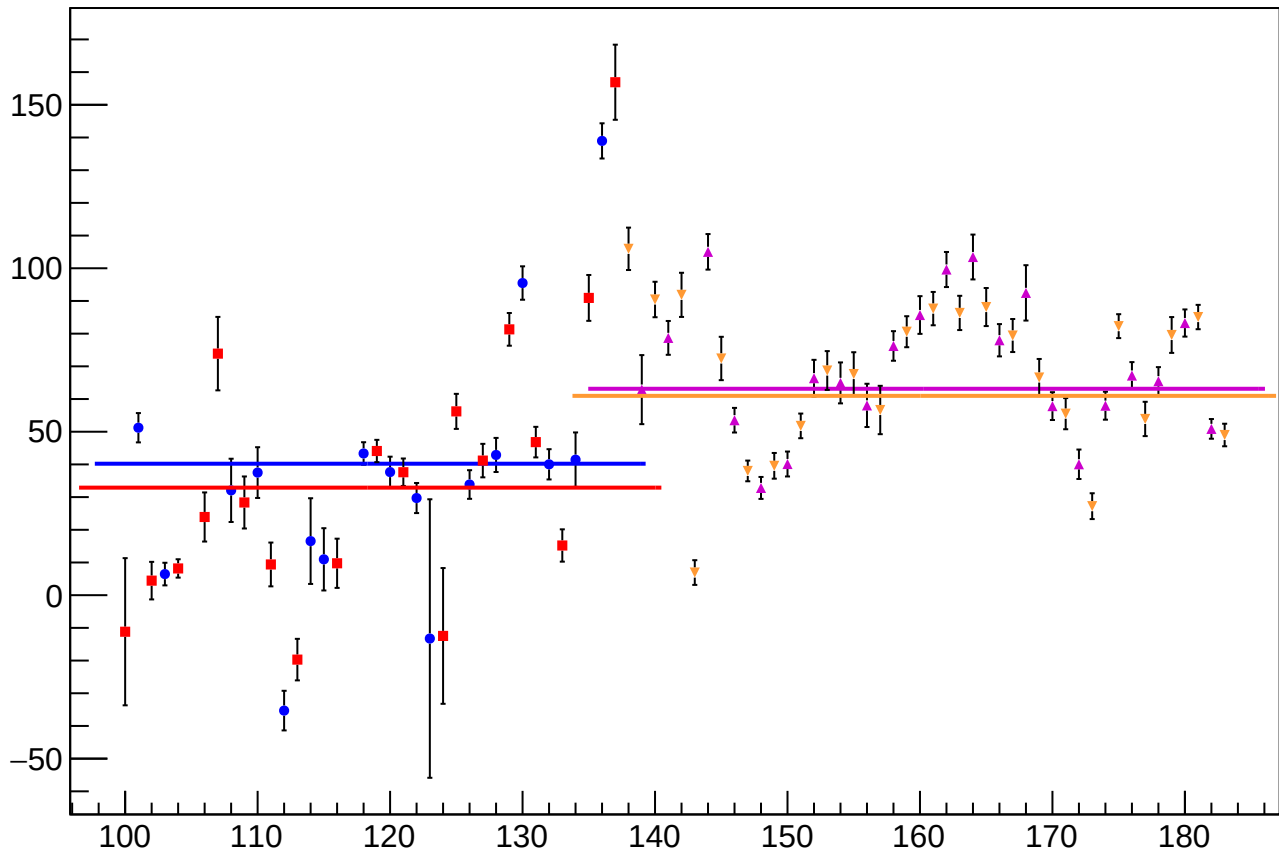
Left In: 201.171+/-1.105 χ^2/NDF : 4355.0/21

+ sign 190.433+/-0.948 χ^2/NDF : 13831.7/40

All: 194.944+/-0.674 χ^2/NDF : 26483.9/81

- sign 199.557+/-0.959 χ^2/NDF : 12606.4/40

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.214 $\pm$ 1.286 χ^2 /NDF: 733.9/16

Left Out: 60.973 $\pm$ 0.952 χ^2 /NDF: 677.0/23

Right Out: 32.898 $\pm$ 1.252 χ^2 /NDF: 549.8/18

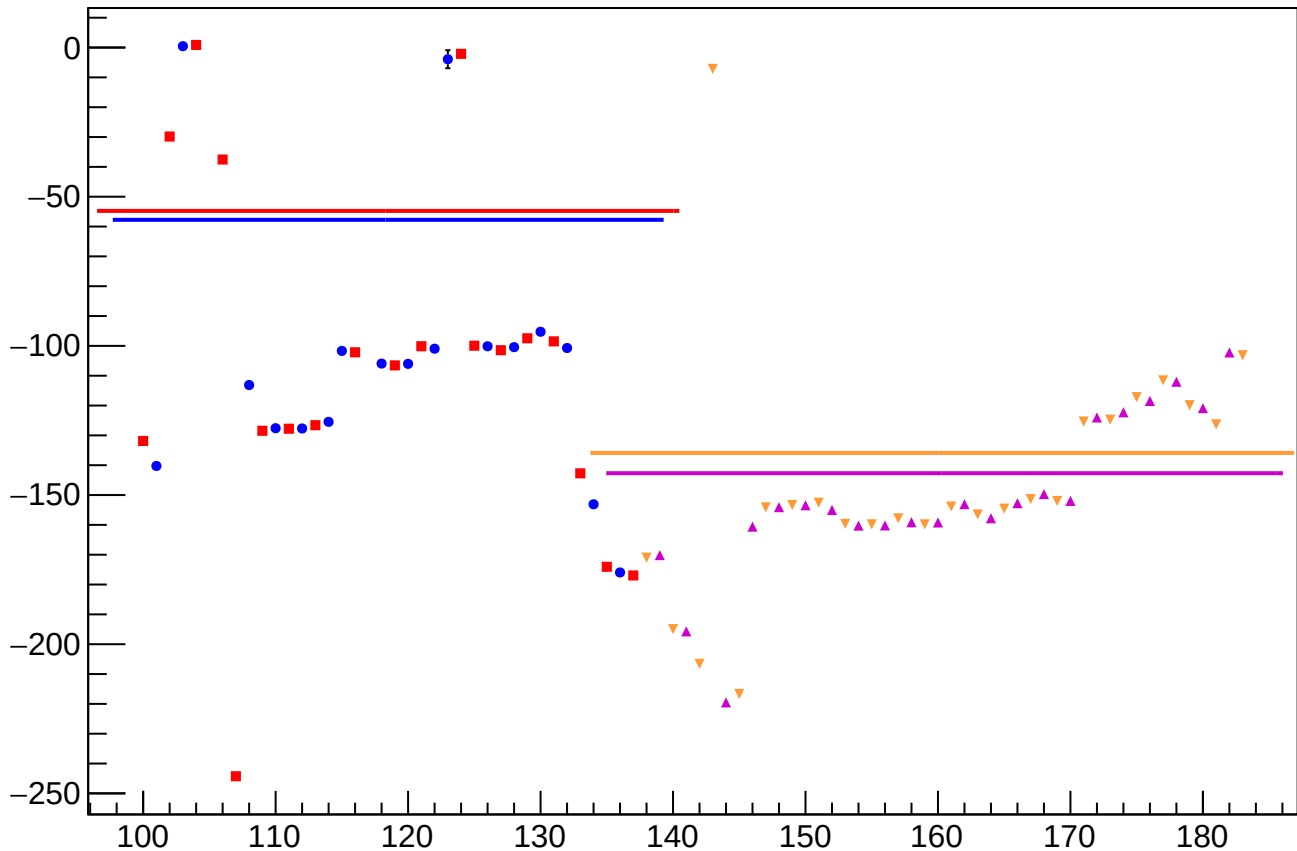
Left In: 63.139 $\pm$ 0.991 χ^2 /NDF: 389.9/21

+ sign 53.625 $\pm$ 0.765 χ^2 /NDF: 1579.3/40

All: 52.577 $\pm$ 0.545 χ^2 /NDF: 2881.3/81

- sign 51.494 $\pm$ 0.777 χ^2 /NDF: 1298.2/40

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.743 ± 0.062 $\chi^2/\text{NDF}: 1100251.3/16$

Left Out: -135.884 ± 0.045 $\chi^2/\text{NDF}: 786863.8/23$

Right Out: -54.758 ± 0.060 $\chi^2/\text{NDF}: 999720.2/18$

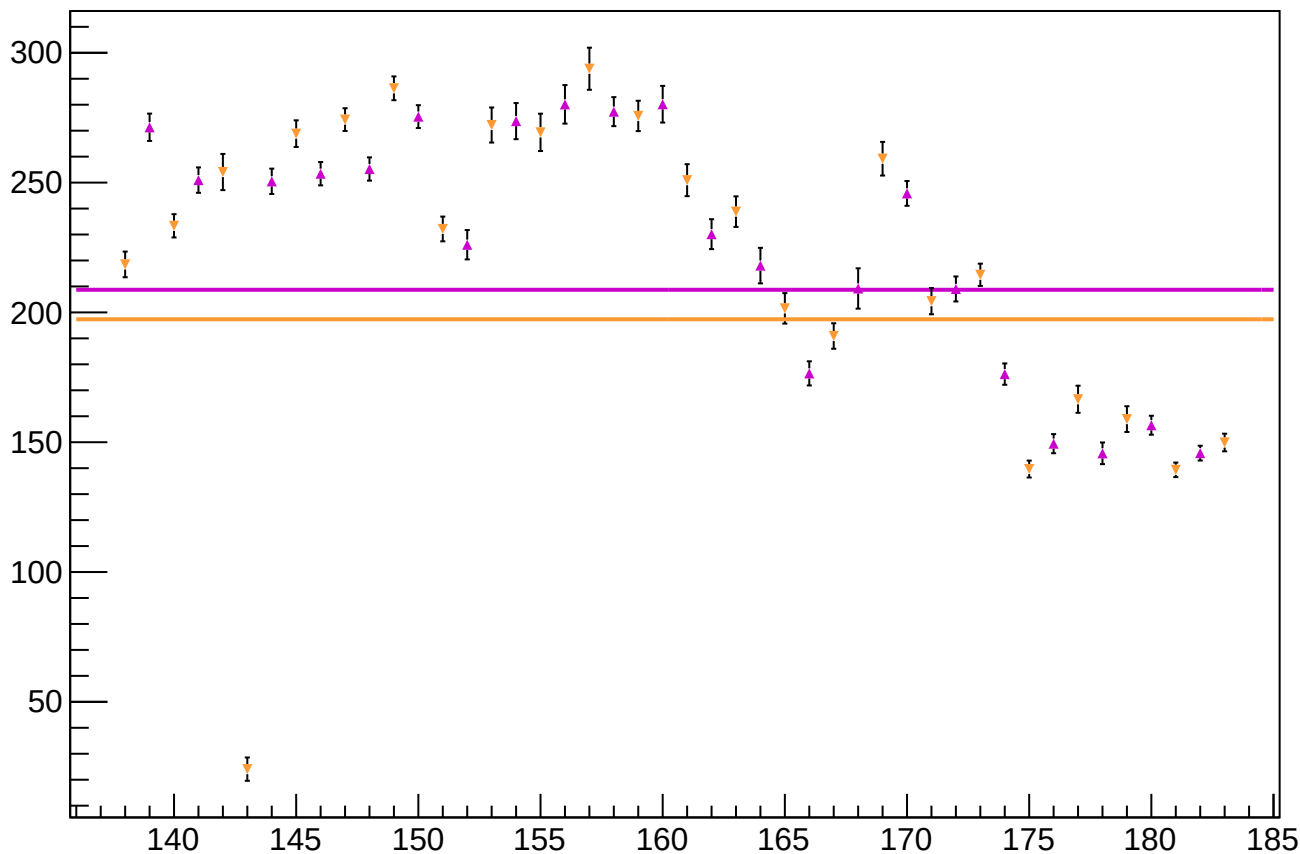
Left In: -142.679 ± 0.046 $\chi^2/\text{NDF}: 322659.4/21$

+ sign -108.624 ± 0.037 $\chi^2/\text{NDF}: 2926872.9/40$

All: -109.384 ± 0.026 $\chi^2/\text{NDF}: 5590489.7/81$

- sign -110.150 ± 0.037 $\chi^2/\text{NDF}: 2662748.1/40$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 197.352+/-0.973 χ^2/NDF : 4384.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

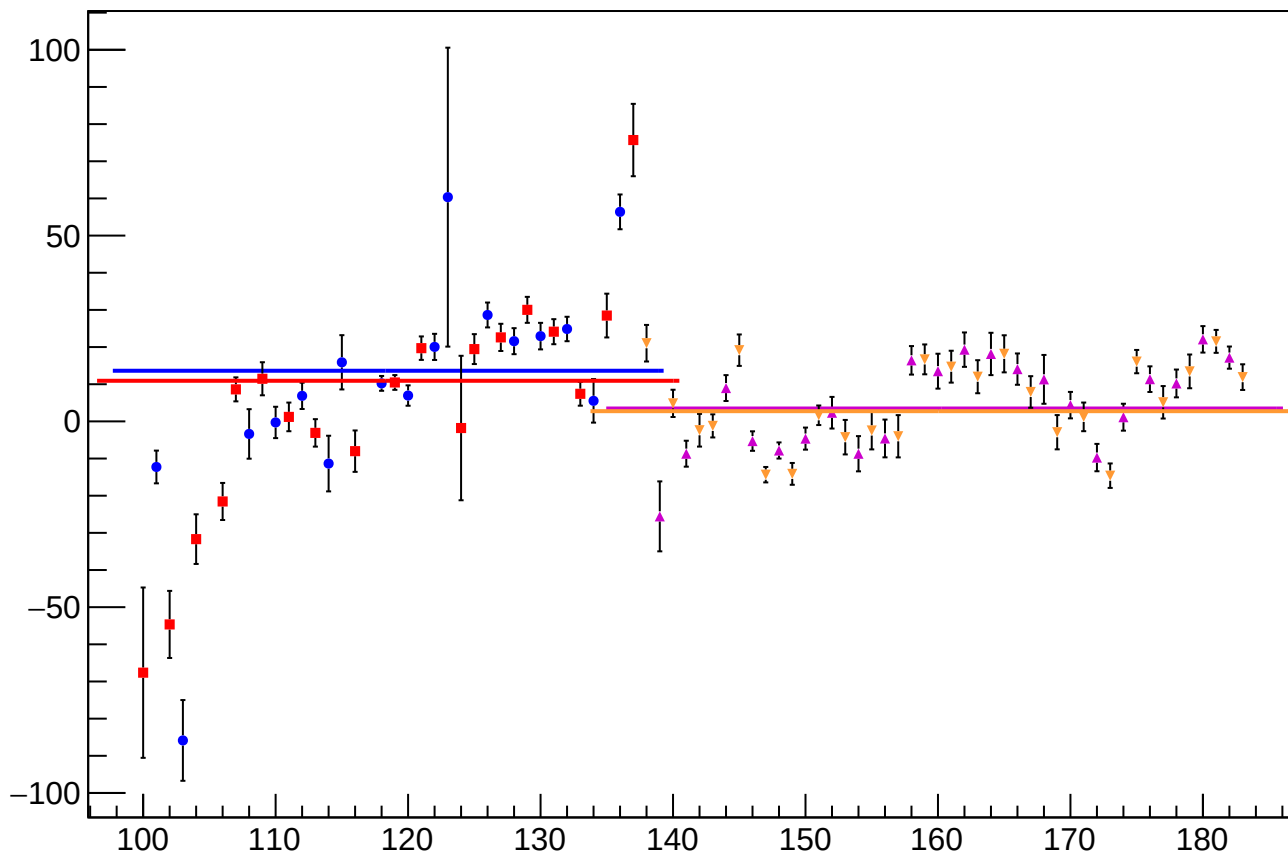
Left In: 208.720+/-1.009 χ^2/NDF : 2533.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 202.828+/-0.700 χ^2/NDF : 6982.8/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.625 ± 0.938 $\chi^2/\text{NDF}: 293.3/16$

Left Out: 2.747 ± 0.746 $\chi^2/\text{NDF}: 270.6/23$

Right Out: 10.927 ± 0.915 $\chi^2/\text{NDF}: 302.8/18$

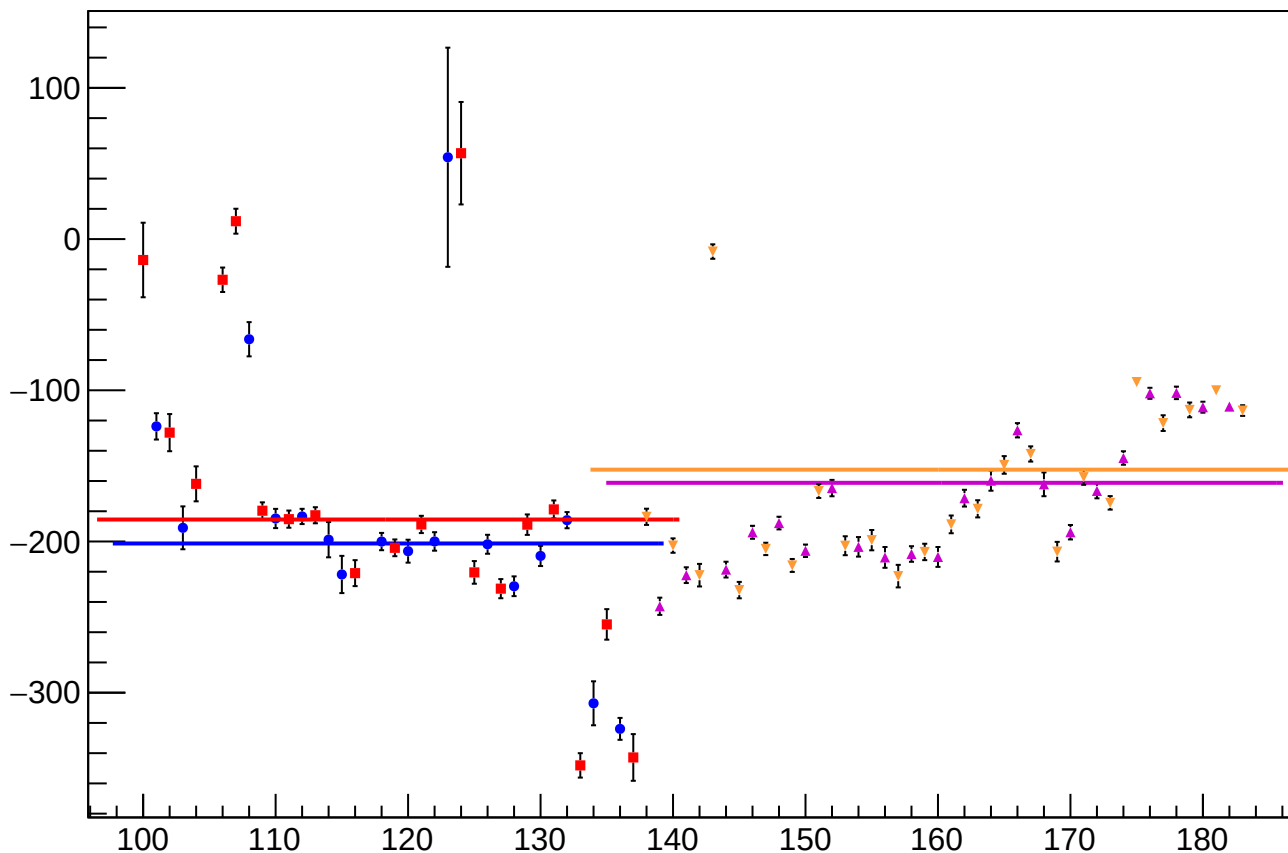
Left In: 3.464 ± 0.783 $\chi^2/\text{NDF}: 191.3/21$

+ sign 6.965 ± 0.584 $\chi^2/\text{NDF}: 646.2/40$

All: 6.796 ± 0.417 $\chi^2/\text{NDF}: 1178.9/81$

- sign 6.621 ± 0.595 $\chi^2/\text{NDF}: 532.5/40$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.316 ± 1.800 χ^2/NDF : 624.9/16

Left Out: -152.491 ± 0.976 χ^2/NDF : 3074.2/23

Right Out: -185.469 ± 1.703 χ^2/NDF : 1745.0/18

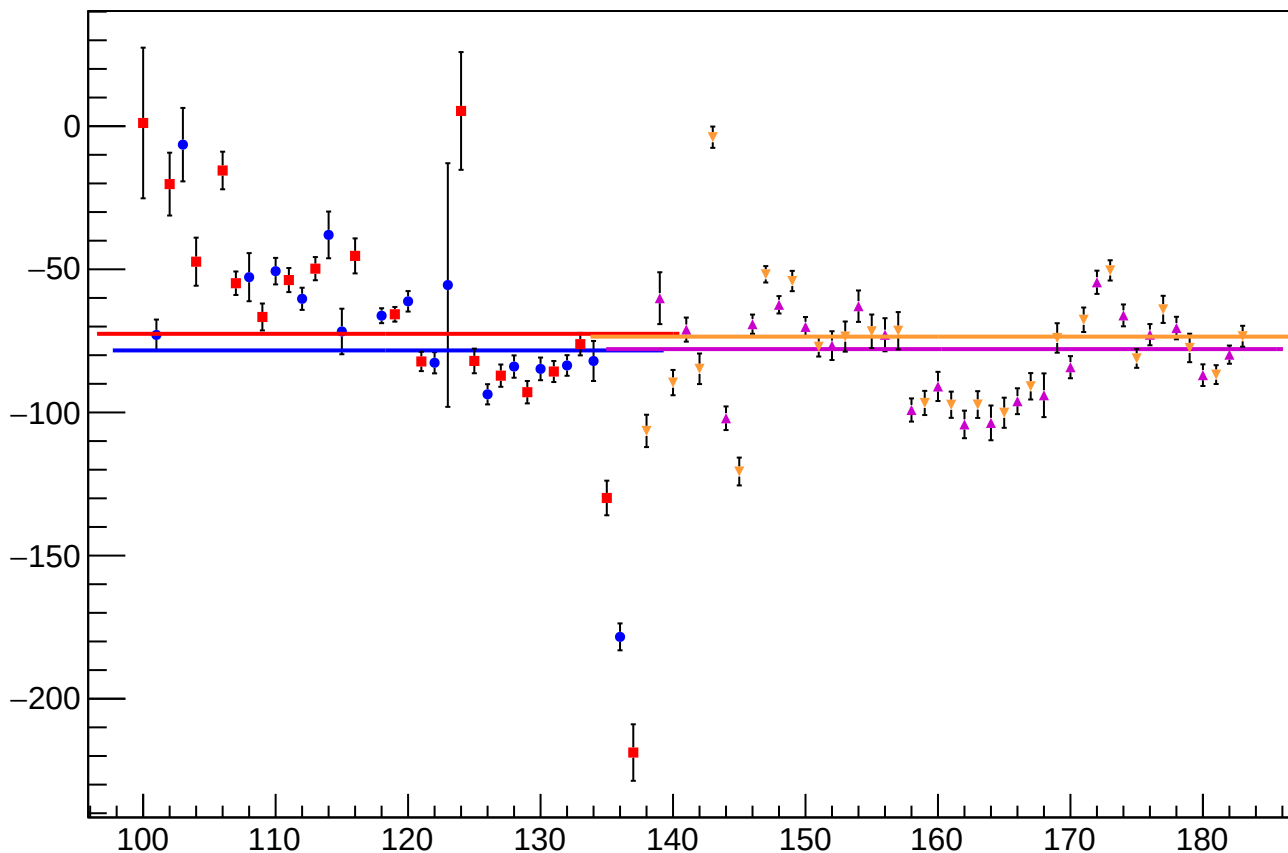
Left In: -161.196 ± 1.006 χ^2/NDF : 1983.4/21

+ sign -163.584 ± 0.858 χ^2/NDF : 4268.0/40

All: -165.510 ± 0.609 χ^2/NDF : 8157.3/81

- sign -167.473 ± 0.866 χ^2/NDF : 3879.1/40

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.334 ± 1.084 χ^2/NDF : 649.9/16

Left Out: -73.518 ± 0.859 χ^2/NDF : 778.6/23

Right Out: -72.531 ± 1.054 χ^2/NDF : 605.5/18

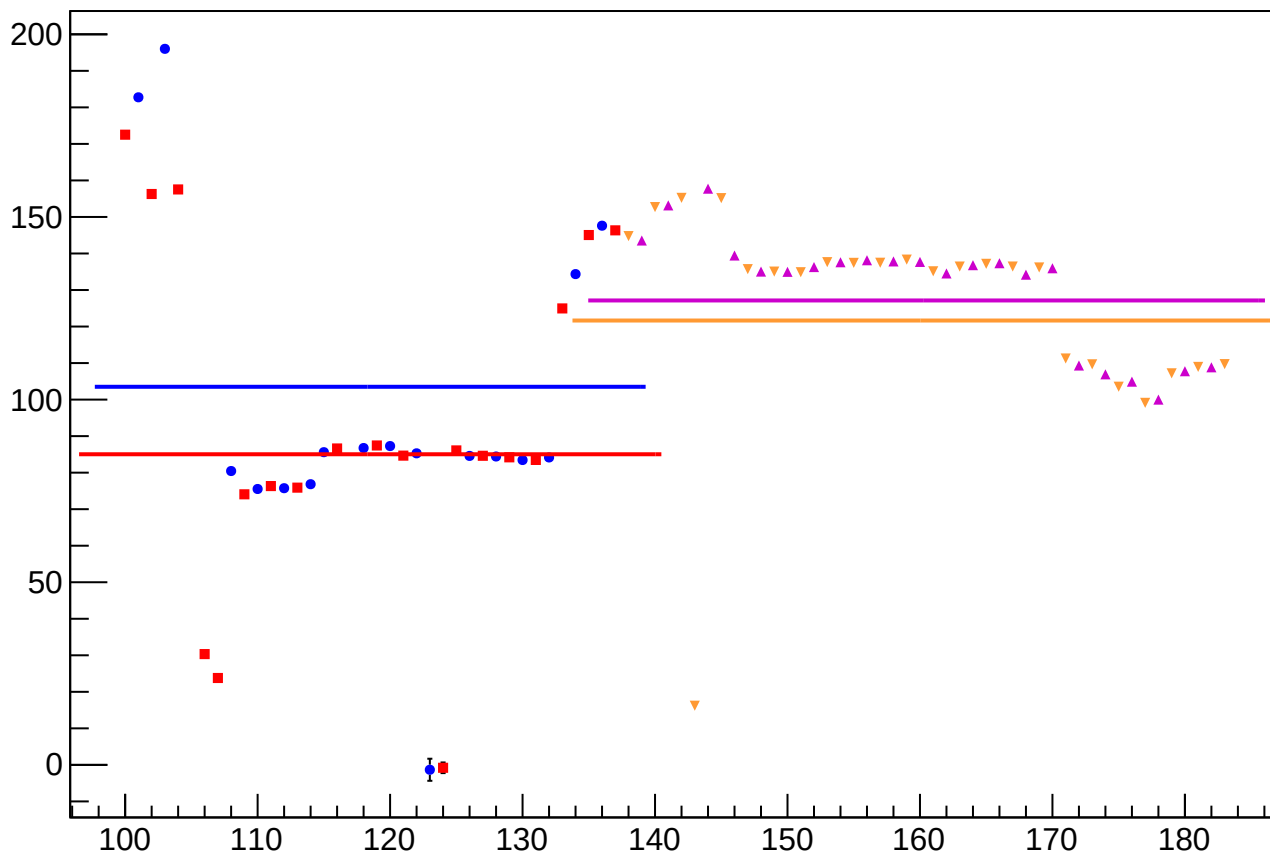
Left In: -77.873 ± 0.894 χ^2/NDF : 246.4/21

+ sign -75.375 ± 0.673 χ^2/NDF : 1440.6/40

All: -75.504 ± 0.479 χ^2/NDF : 2307.5/81

- sign -75.636 ± 0.682 χ^2/NDF : 866.8/40

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.509 $\pm$ 0.071 χ^2 /NDF: 272499.7/16

Left Out: 121.649 $\pm$ 0.041 χ^2 /NDF: 479880.1/23

Right Out: 85.036 $\pm$ 0.064 χ^2 /NDF: 422344.8/18

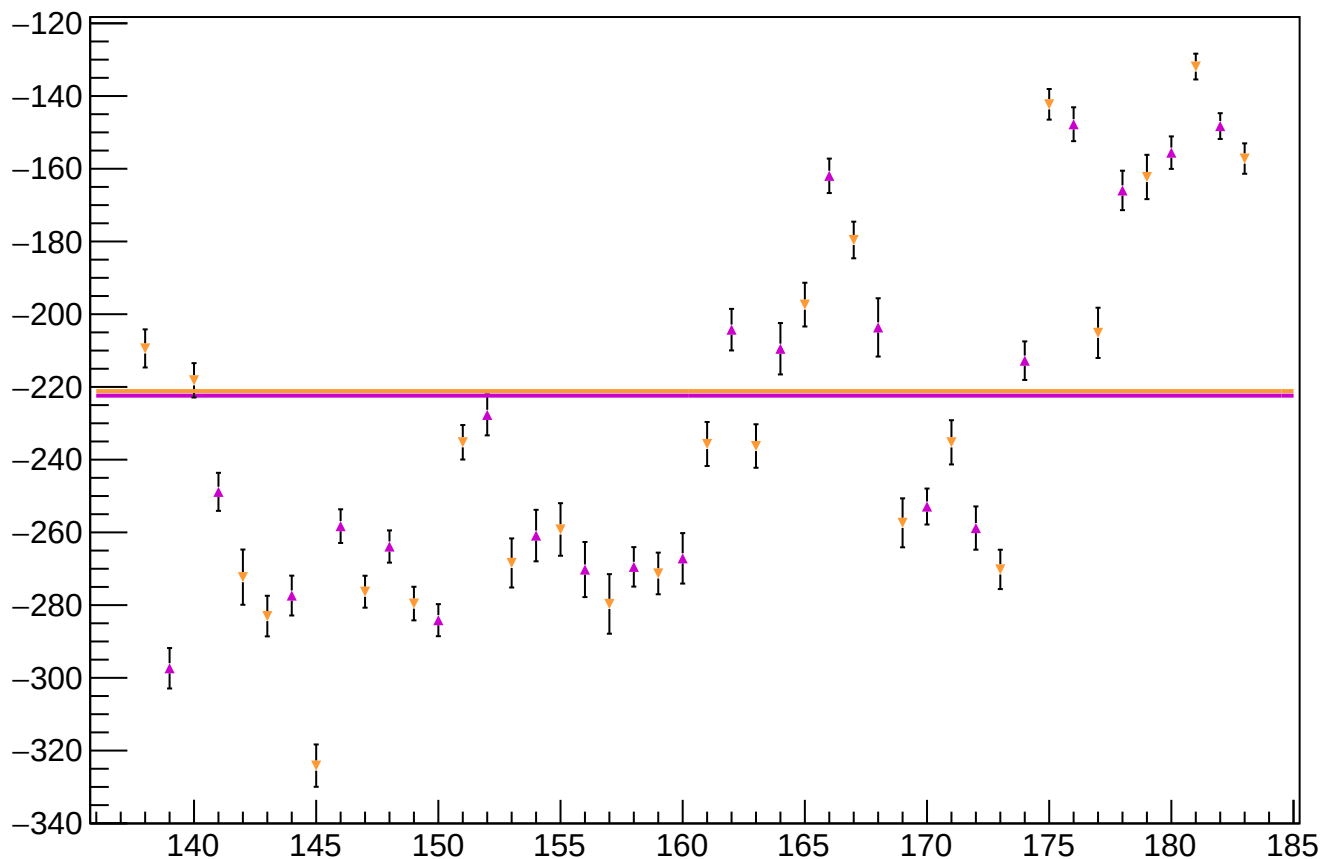
Left In: 127.142 $\pm$ 0.042 χ^2 /NDF: 158400.7/21

+ sign 117.145 $\pm$ 0.035 χ^2 /NDF: 801435.5/40

All: 115.829 $\pm$ 0.025 χ^2 /NDF: 1689880.9/81

- sign 114.549 $\pm$ 0.035 χ^2 /NDF: 885715.9/40

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -221.144+/-1.093 χ^2/NDF : 2546.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

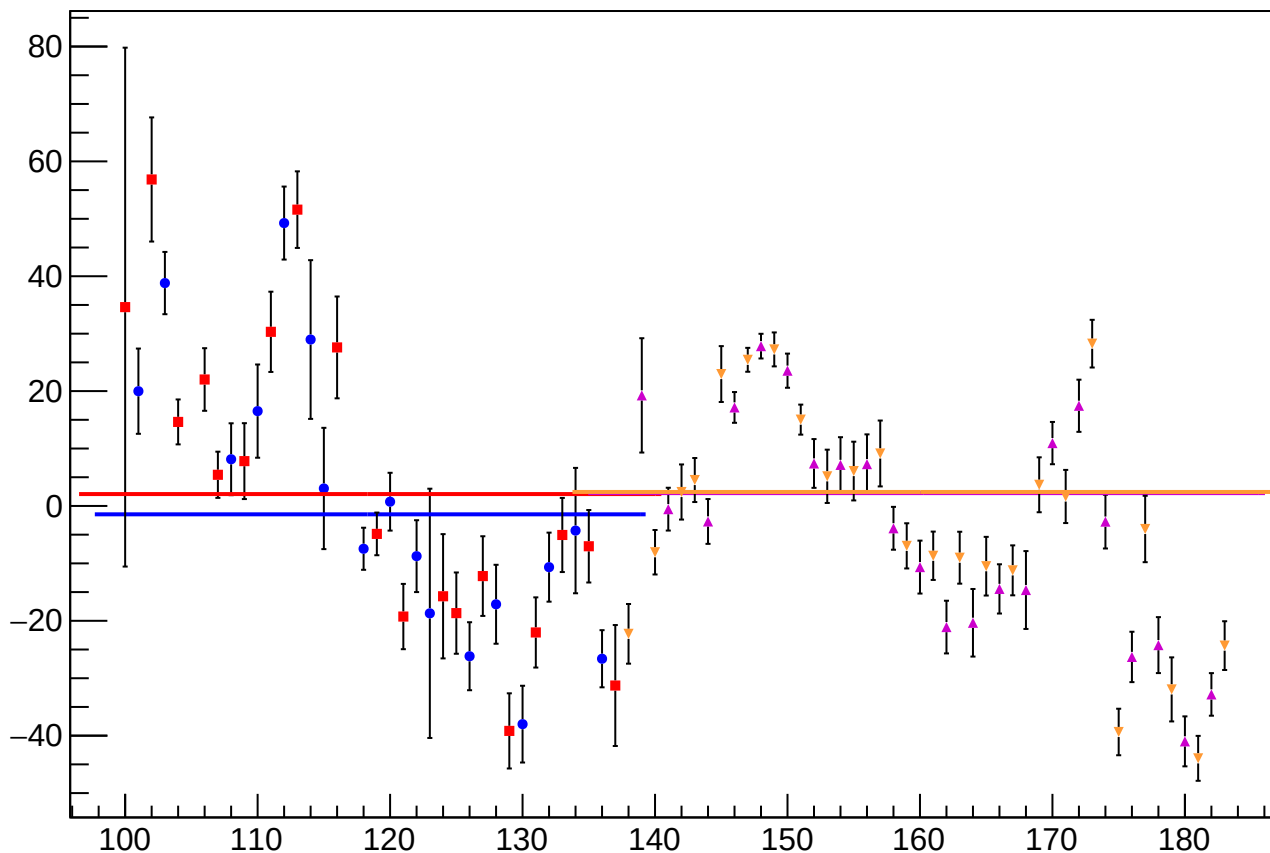
Left In: -222.395+/-1.118 χ^2/NDF : 2126.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -221.755+/-0.782 χ^2/NDF : 4673.2/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.459 ± 1.539 χ^2/NDF : 224.8/16

Left Out: 2.437 ± 0.812 χ^2/NDF : 666.5/23

Right Out: 2.070 ± 1.401 χ^2/NDF : 232.8/18

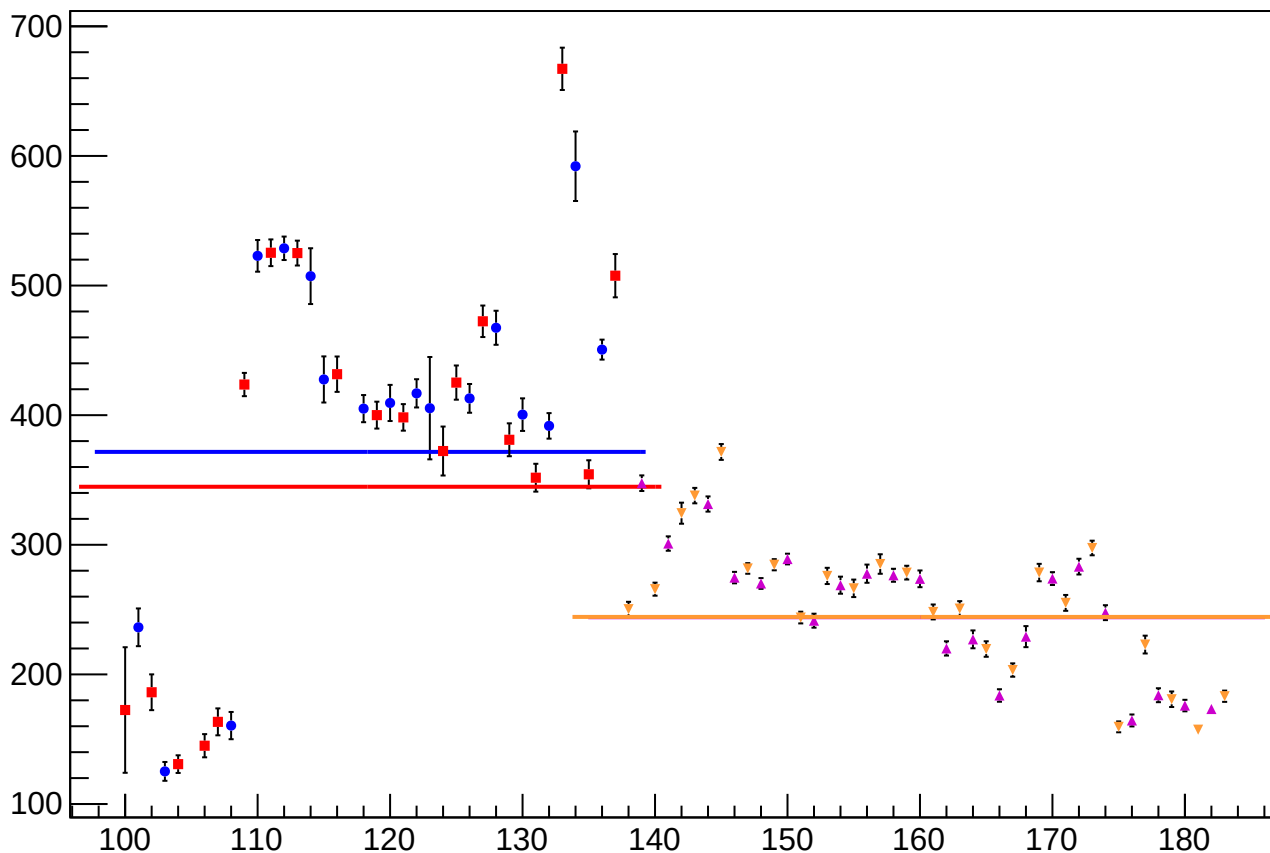
Left In: 2.235 ± 0.842 χ^2/NDF : 583.0/21

+ sign 1.590 ± 0.718 χ^2/NDF : 896.2/40

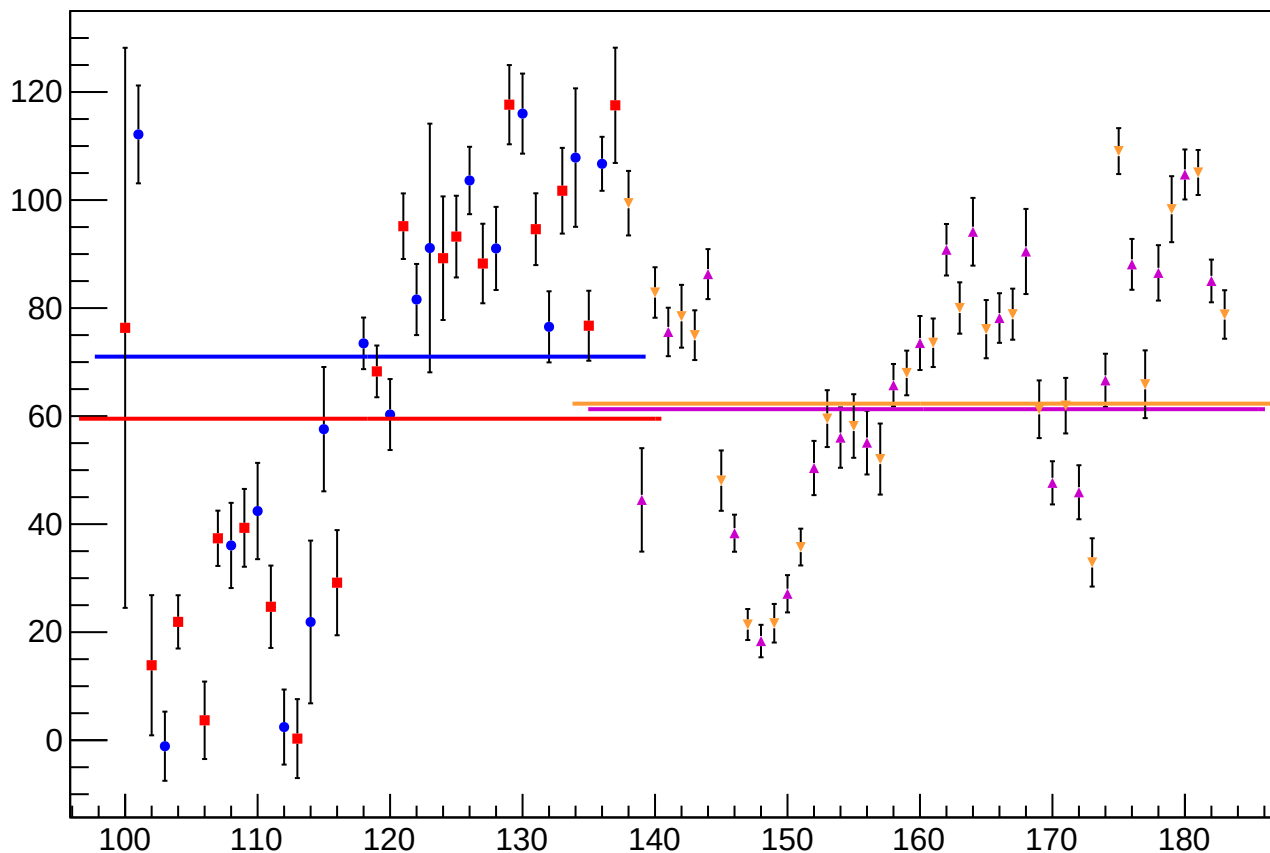
All: 1.889 ± 0.509 χ^2/NDF : 1712.4/81

- sign 2.191 ± 0.722 χ^2/NDF : 815.8/40

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.009 $\pm$ 1.768 χ^2 /NDF: 424.1/16

Left Out: 62.306 $\pm$ 0.943 χ^2 /NDF:835.2/23

Right Out: 59.517 $\pm$ 1.633 χ^2 /NDF: 489.4/18

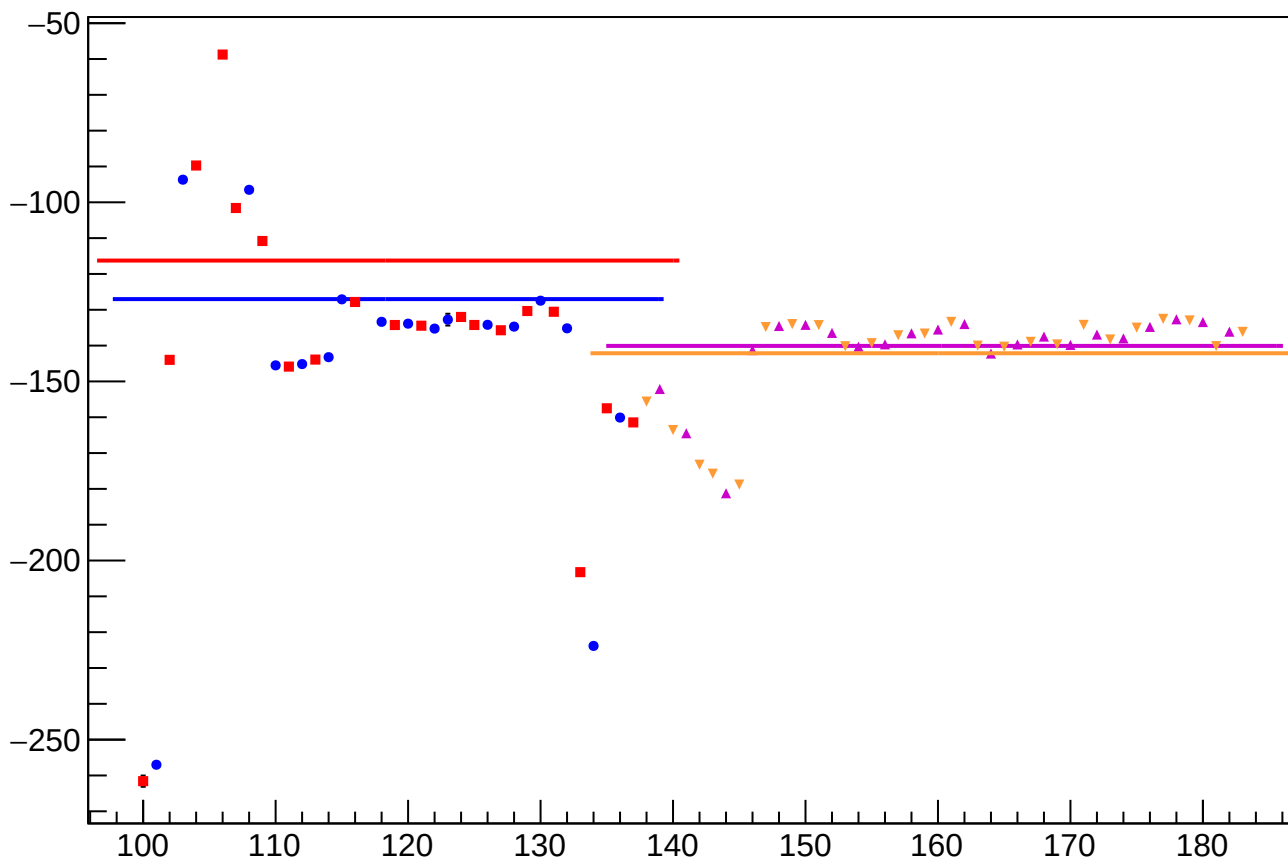
Left In: 61.280 $\pm$ 0.970 χ^2 /NDF:699.2/21

+ sign 64.232 $\pm$ 0.832 χ^2 /NDF: 1278.2/40

All: 62.531 $\pm$ 0.589 χ^2 /NDF: 2476.0/81

- sign 60.821 $\pm$ 0.834 χ^2 /NDF: 1189.4/40

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.024 $\pm$ 0.090 χ^2 /NDF: 166974.0/16

Left Out: -142.136 $\pm$ 0.045 χ^2 /NDF: 79563.3/23

Right Out: -116.264 $\pm$ 0.083 χ^2 /NDF: 167018.1/18

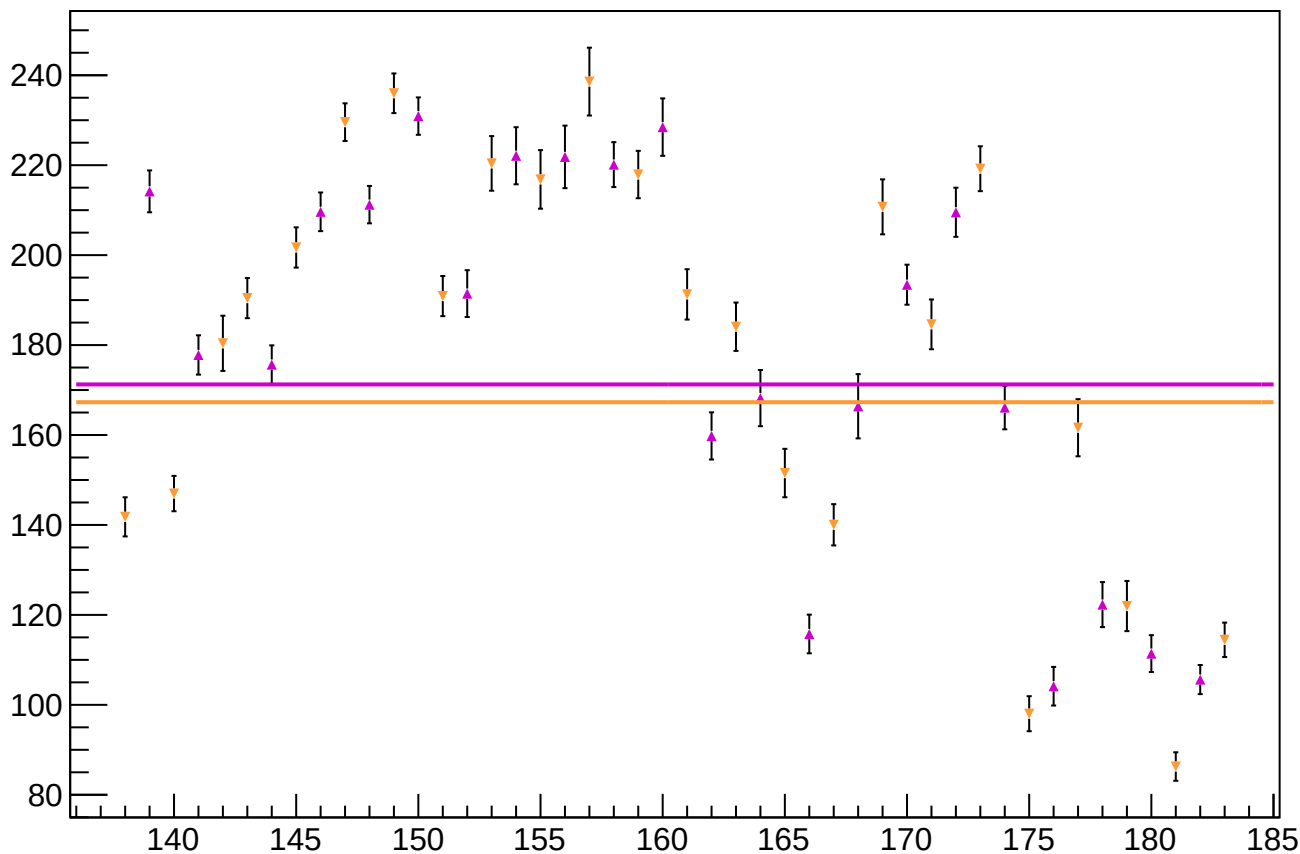
Left In: -140.085 $\pm$ 0.046 χ^2 /NDF: 48024.8/21

+ sign -139.091 $\pm$ 0.040 χ^2 /NDF: 269113.4/40

All: -136.812 $\pm$ 0.028 χ^2 /NDF: 553745.9/81

- sign -134.584 $\pm$ 0.040 χ^2 /NDF: 278325.1/40

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 167.299+/-0.978 χ^2/NDF : 2425.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

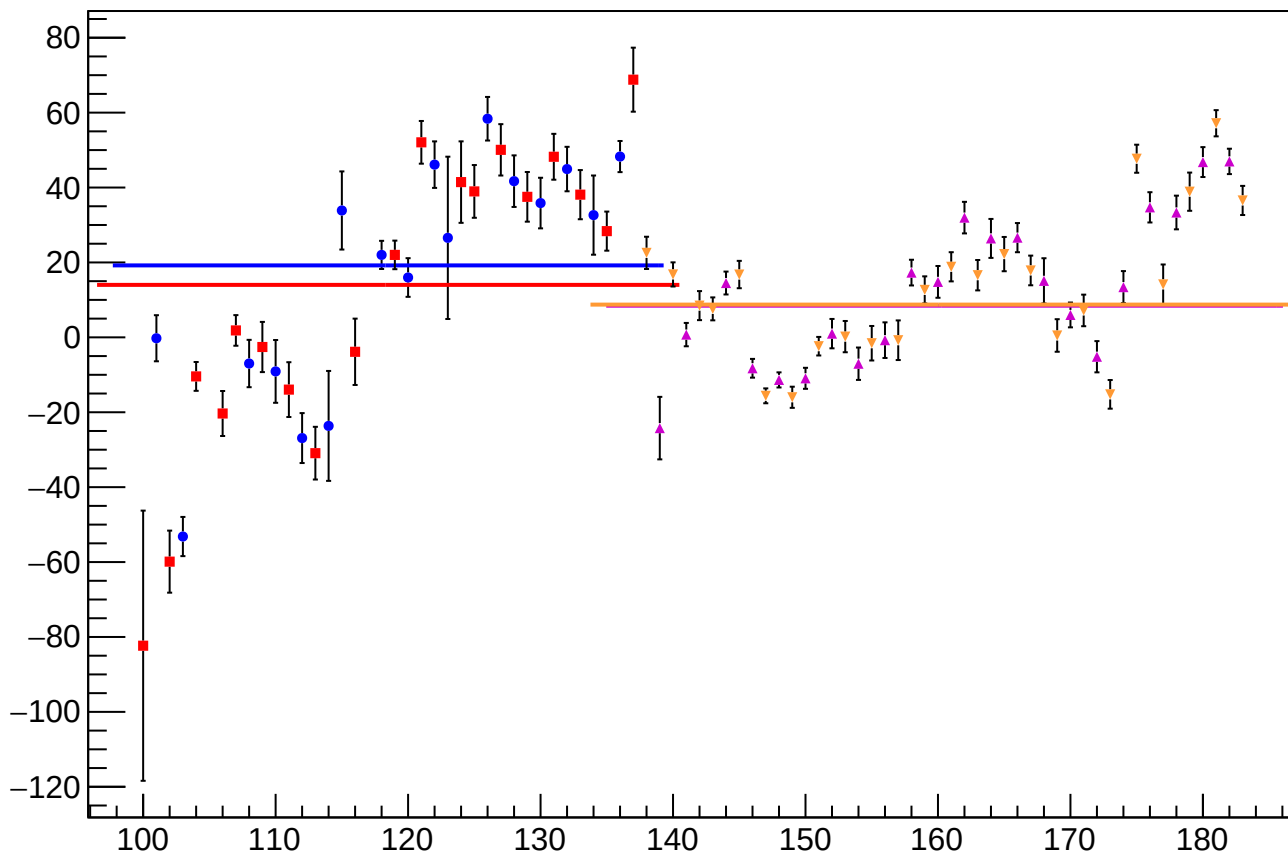
Left In: 171.247+/-1.010 χ^2/NDF : 1985.8/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 169.211+/-0.702 χ^2/NDF : 4419.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.211 $\pm$ 1.503 χ^2 /NDF: 439.4/16

Left Out: 8.742 $\pm$ 0.732 χ^2 /NDF: 736.6/23

Right Out: 14.009 $\pm$ 1.391 χ^2 /NDF: 435.5/18

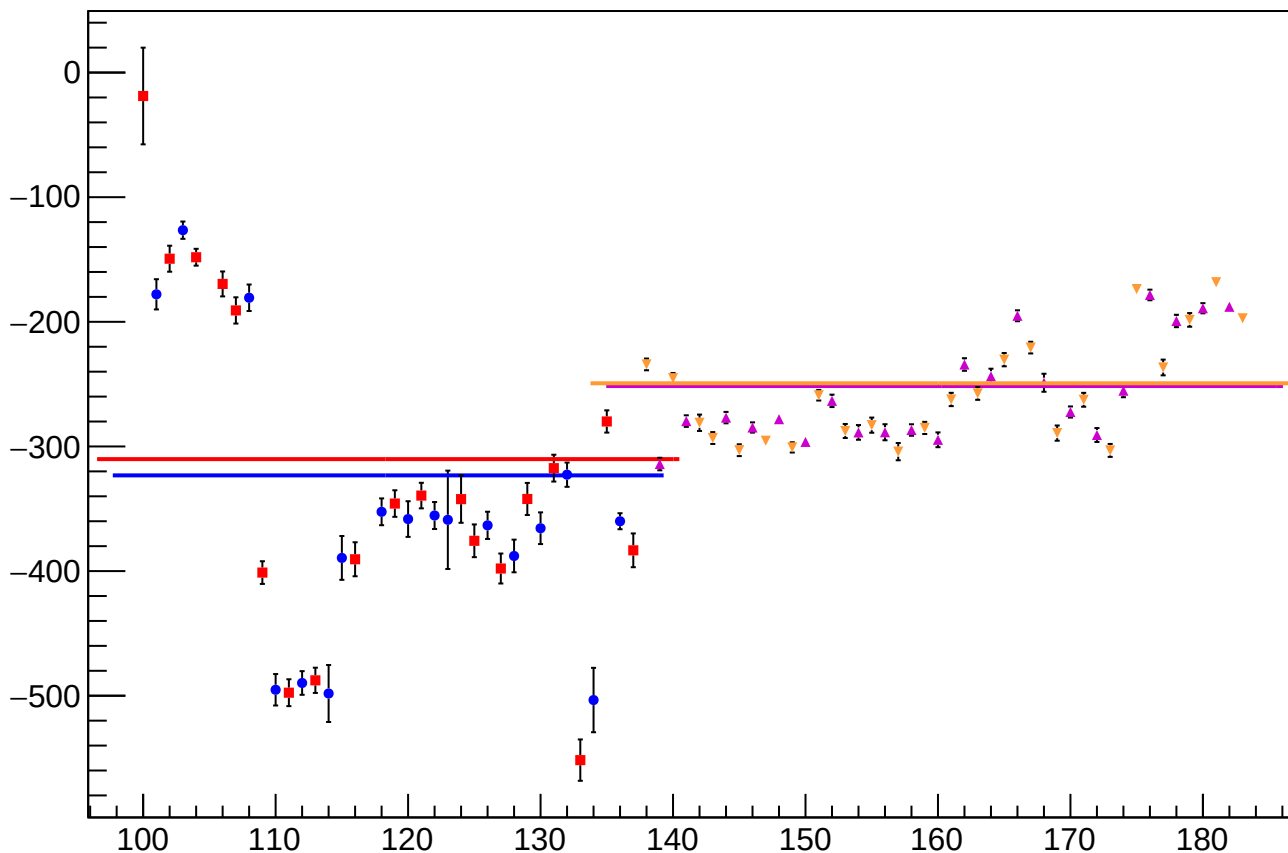
Left In: 8.450 $\pm$ 0.765 χ^2 /NDF: 616.3/21

+ sign 10.749 $\pm$ 0.658 χ^2 /NDF: 1215.2/40

All: 10.253 $\pm$ 0.470 χ^2 /NDF: 2280.5/81

- sign 9.739 $\pm$ 0.670 χ^2 /NDF: 1064.2/40

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.205 $\pm$ 2.689 χ^2/NDF : 1846.8/16

Left Out: -249.304 $\pm$ 0.979 χ^2/NDF : 2198.7/23

Right Out: -310.154 $\pm$ 2.527 χ^2/NDF : 2298.0/18

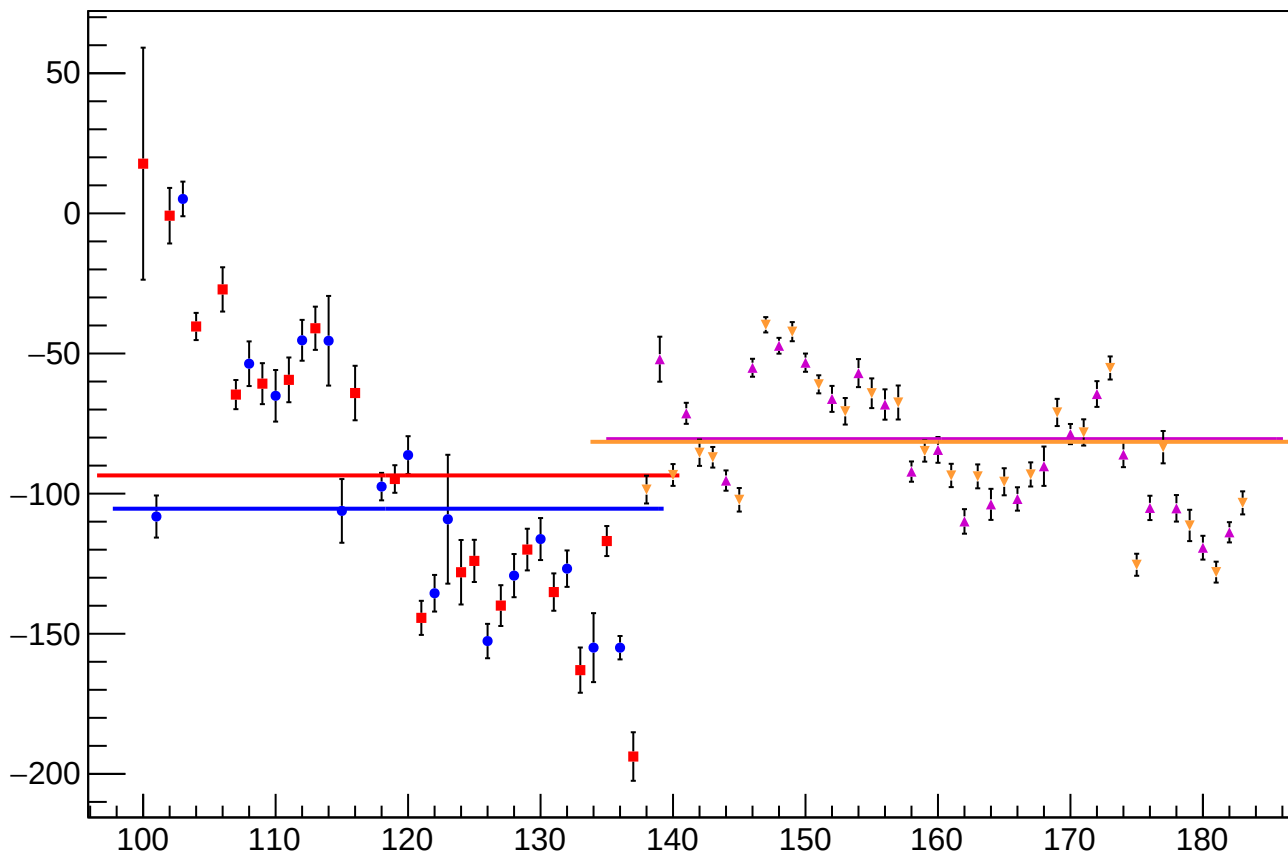
Left In: -251.524 $\pm$ 1.003 χ^2/NDF : 1905.7/21

+ sign -257.961 $\pm$ 0.920 χ^2/NDF : 4712.5/40

All: -258.724 $\pm$ 0.655 χ^2/NDF : 9382.8/81

- sign -259.508 $\pm$ 0.932 χ^2/NDF : 4668.9/40

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.376 ± 1.716 χ^2/NDF : 734.7/16

Left Out: -81.507 ± 0.849 χ^2/NDF : 891.4/23

Right Out: -93.504 ± 1.612 χ^2/NDF : 824.8/18

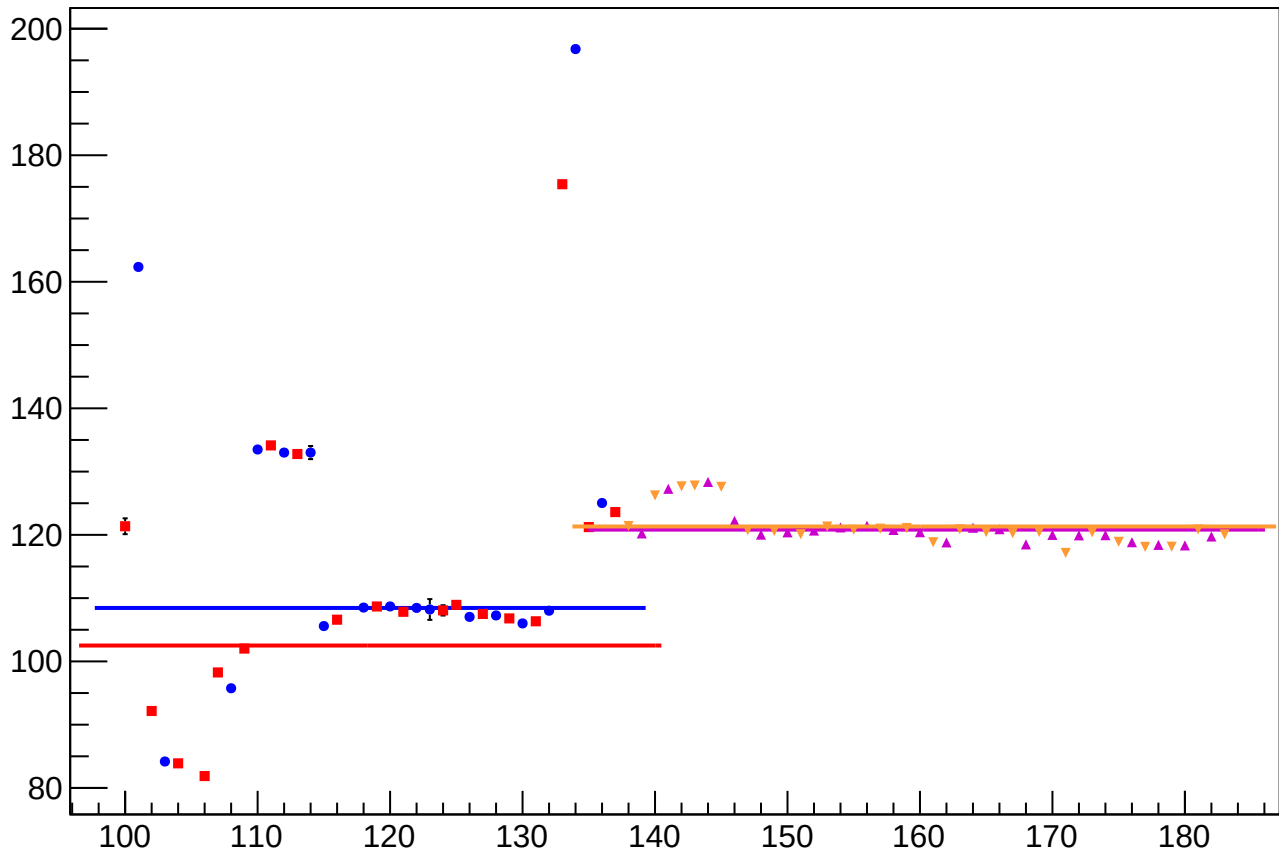
Left In: -80.556 ± 0.880 χ^2/NDF : 687.9/21

+ sign -86.199 ± 0.761 χ^2/NDF : 1781.6/40

All: -84.885 ± 0.542 χ^2/NDF : 3350.1/81

- sign -83.529 ± 0.773 χ^2/NDF : 1562.4/40

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.450 ± 0.085 $\chi^2/\text{NDF}: 73263.0/16$

Left Out: 121.325 ± 0.040 $\chi^2/\text{NDF}: 4884.1/23$

Right Out: 102.510 ± 0.080 $\chi^2/\text{NDF}: 52979.9/18$

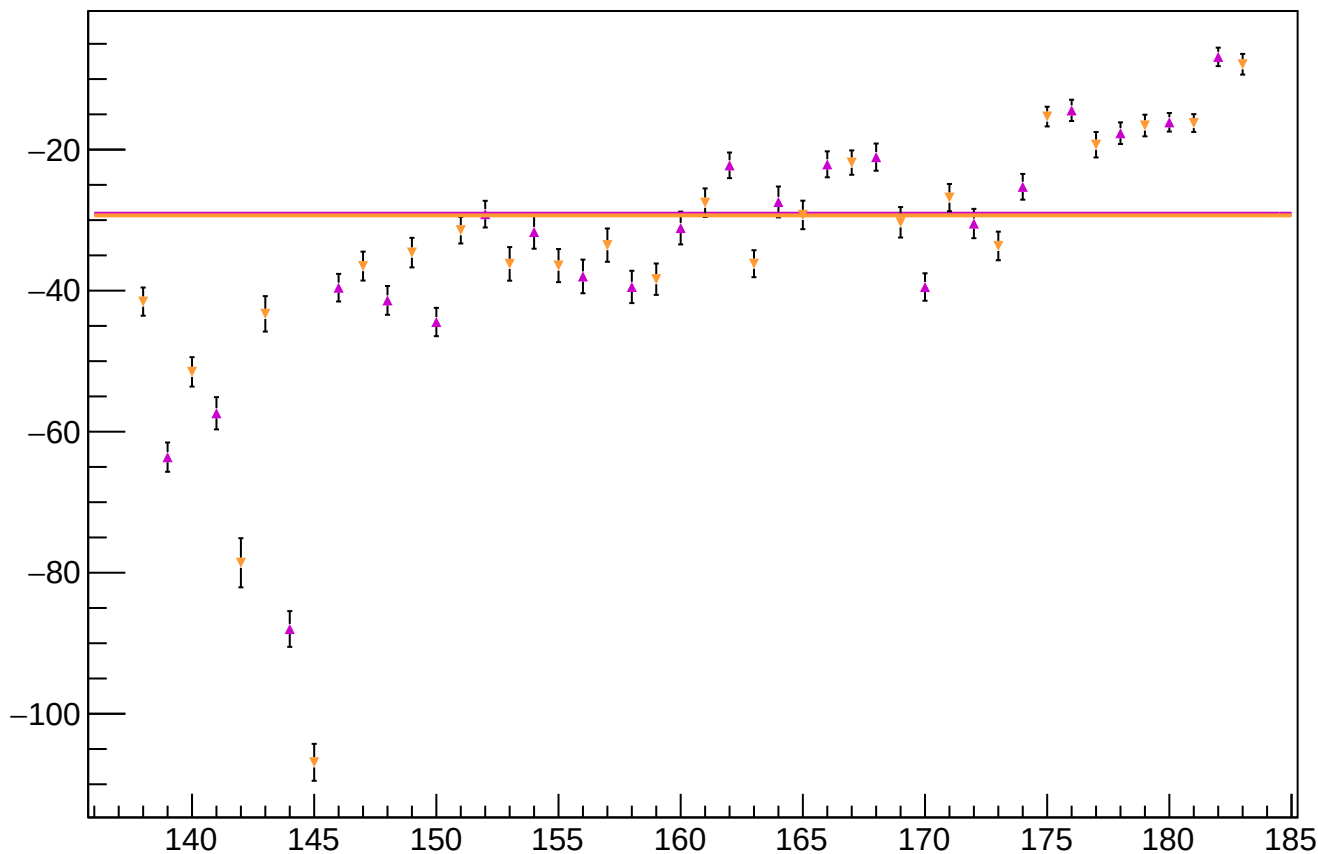
Left In: 120.830 ± 0.041 $\chi^2/\text{NDF}: 3363.9/21$

+ sign 118.947 ± 0.037 $\chi^2/\text{NDF}: 96818.0/40$

All: 117.957 ± 0.026 $\chi^2/\text{NDF}: 196425.8/81$

- sign 116.967 ± 0.037 $\chi^2/\text{NDF}: 98141.8/40$

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -29.323+/-0.392 χ^2/NDF :1875.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

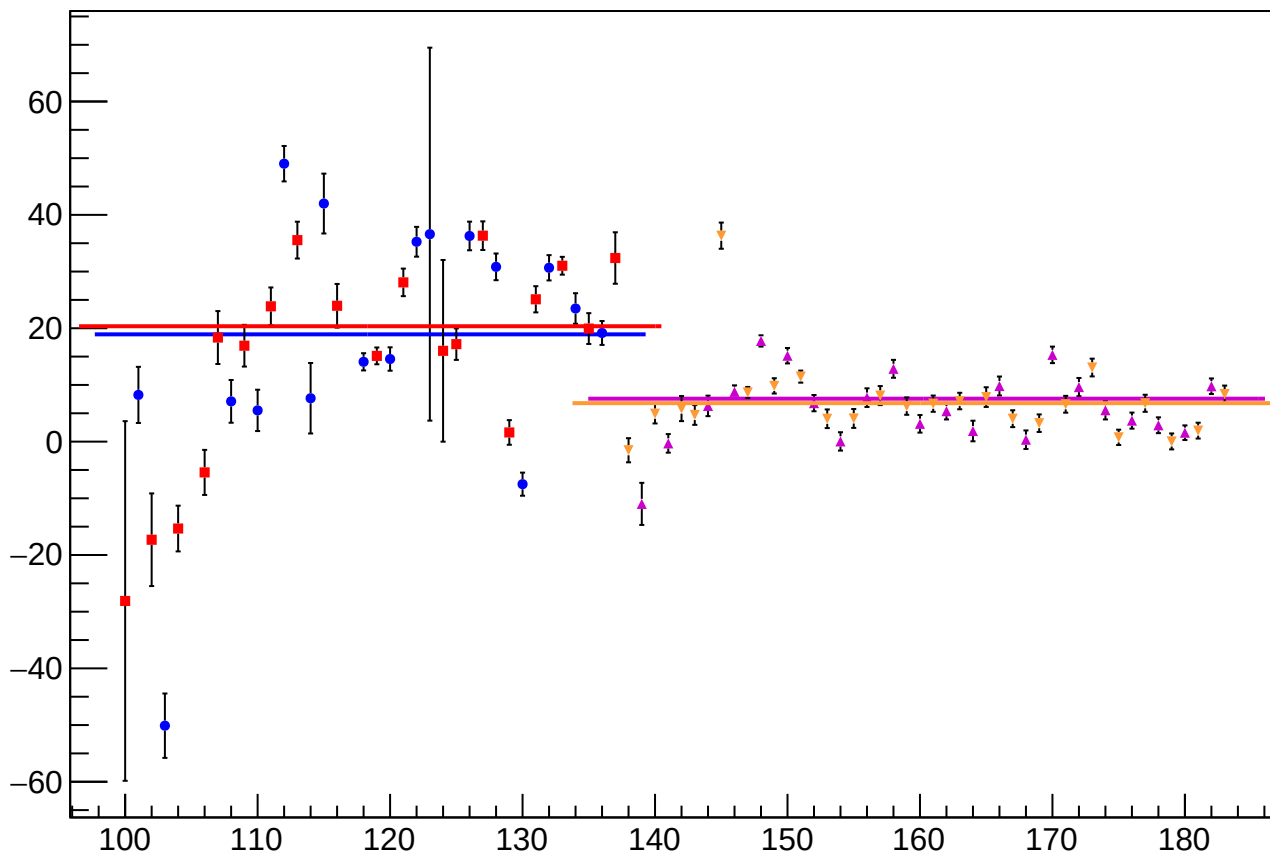
Left In: -29.094+/-0.401 χ^2/NDF :1744.4/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -29.211+/-0.280 χ^2/NDF : 3620.2/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.924 ± 0.654 χ^2/NDF : 616.2/16

Left Out: 6.788 ± 0.305 χ^2/NDF : 297.1/23

Right Out: 20.353 ± 0.643 χ^2/NDF : 364.7/18

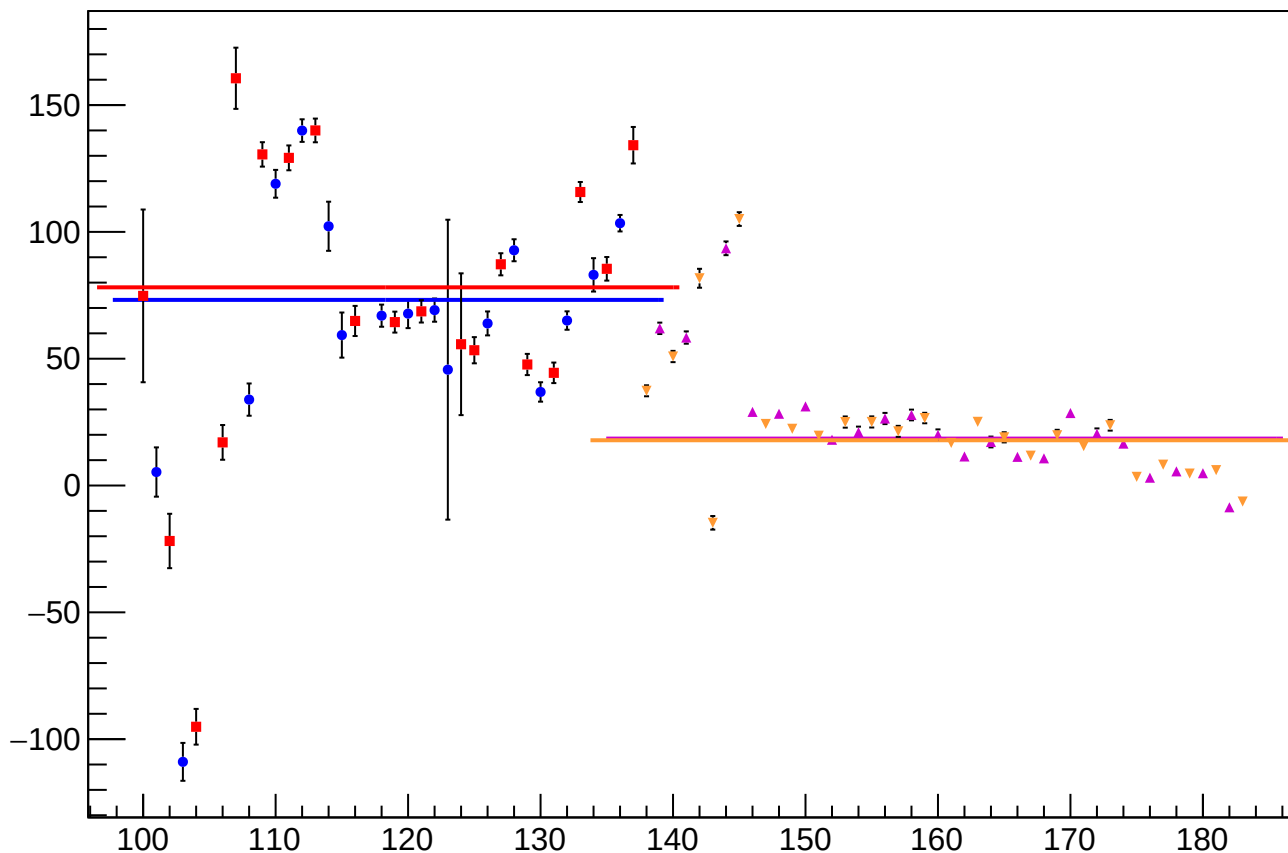
Left In: 7.575 ± 0.316 χ^2/NDF : 335.2/21

+ sign 8.956 ± 0.276 χ^2/NDF : 1196.1/40

All: 9.493 ± 0.198 χ^2/NDF : 2221.7/81

- sign 10.060 ± 0.284 χ^2/NDF : 1017.8/40

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.189 ± 1.239 $\chi^2/\text{NDF}: 1199.7/16$

Left Out: 17.847 ± 0.390 $\chi^2/\text{NDF}: 2423.7/23$

Right Out: 78.140 ± 1.225 $\chi^2/\text{NDF}: 1545.8/18$

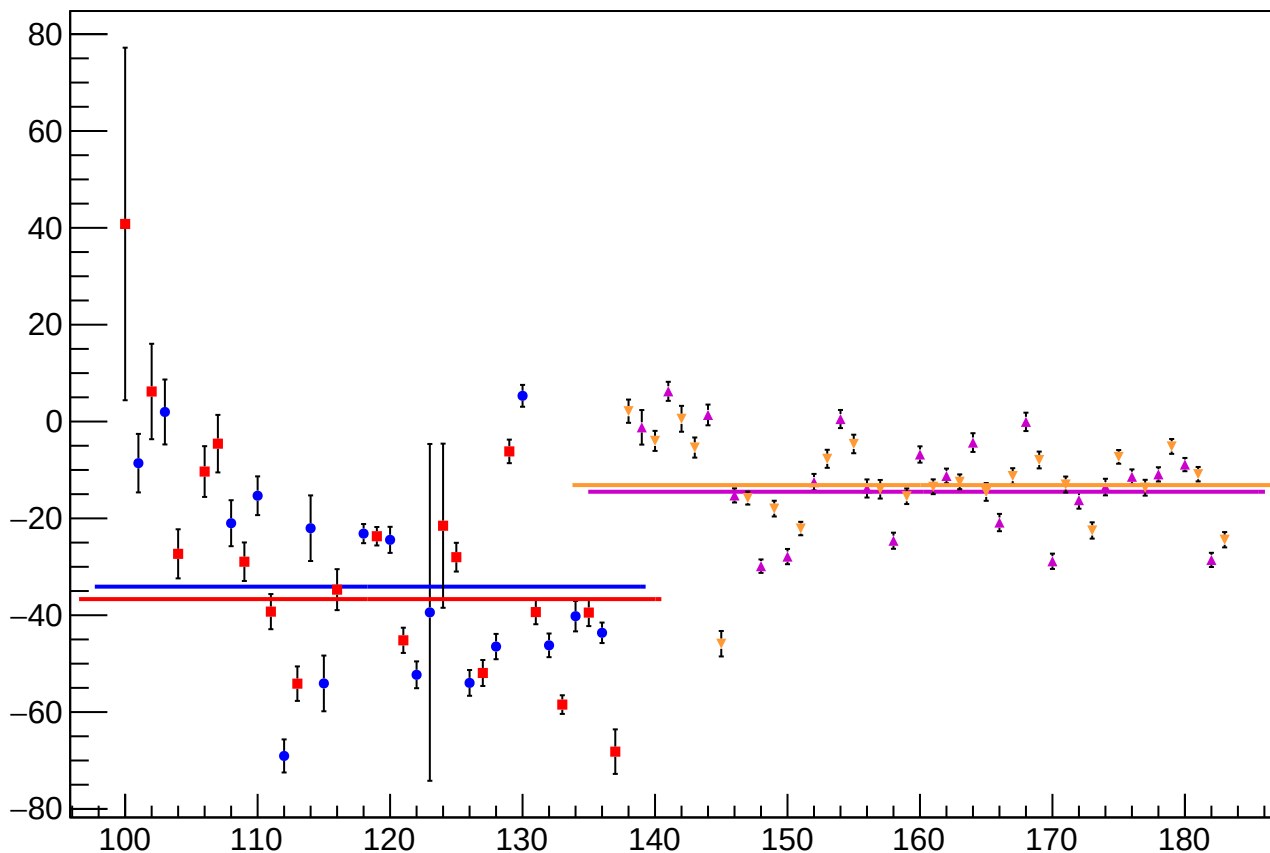
Left In: 18.502 ± 0.397 $\chi^2/\text{NDF}: 2306.0/21$

+ sign 22.843 ± 0.372 $\chi^2/\text{NDF}: 5439.1/40$

All: 23.500 ± 0.265 $\chi^2/\text{NDF}: 11441.4/81$

- sign 24.176 ± 0.378 $\chi^2/\text{NDF}: 5996.0/40$

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.097 ± 0.746 $\chi^2/\text{NDF}: 714.9/16$

Left Out: -13.126 ± 0.347 $\chi^2/\text{NDF}: 479.5/23$

Right Out: -36.670 ± 0.737 $\chi^2/\text{NDF}: 542.9/18$

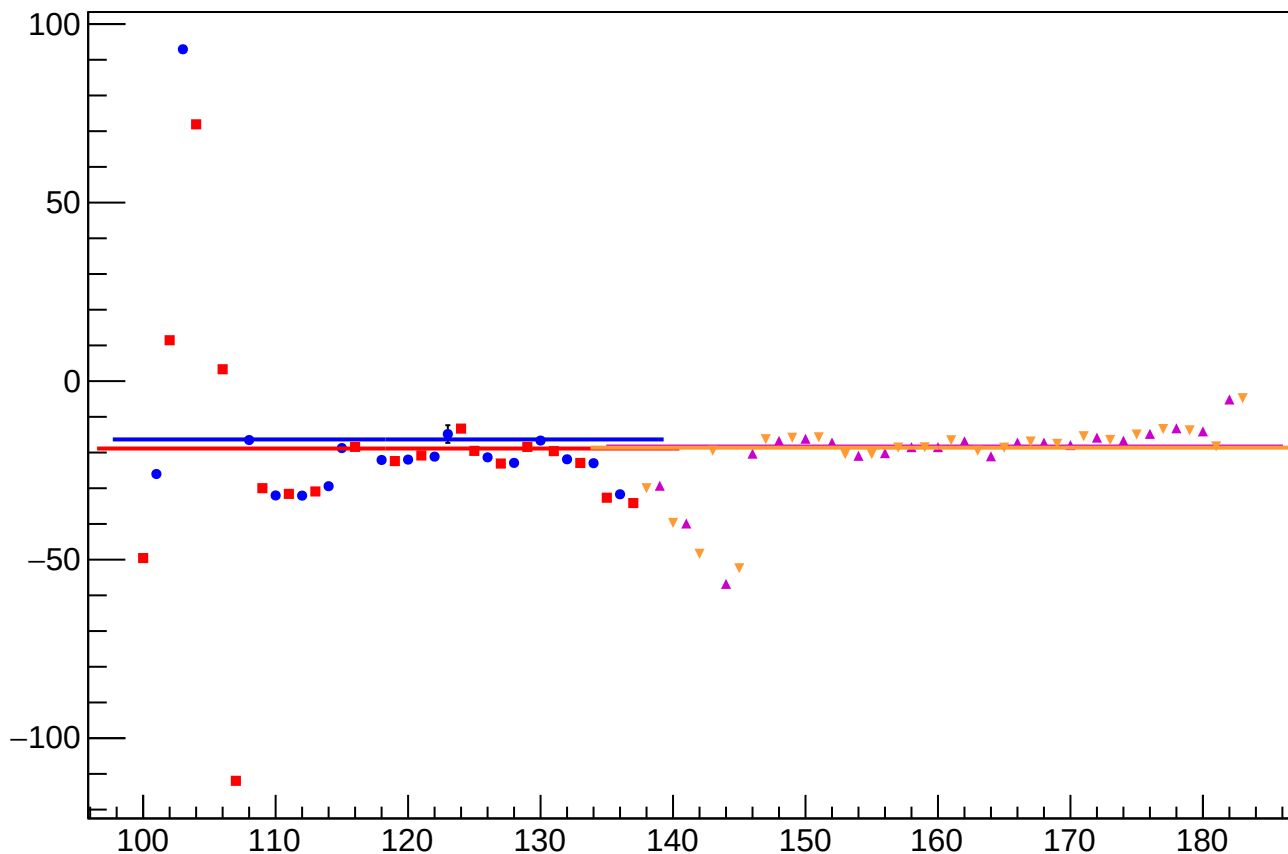
Left In: -14.499 ± 0.357 $\chi^2/\text{NDF}: 804.4/21$

+ sign -16.847 ± 0.314 $\chi^2/\text{NDF}: 1844.0/40$

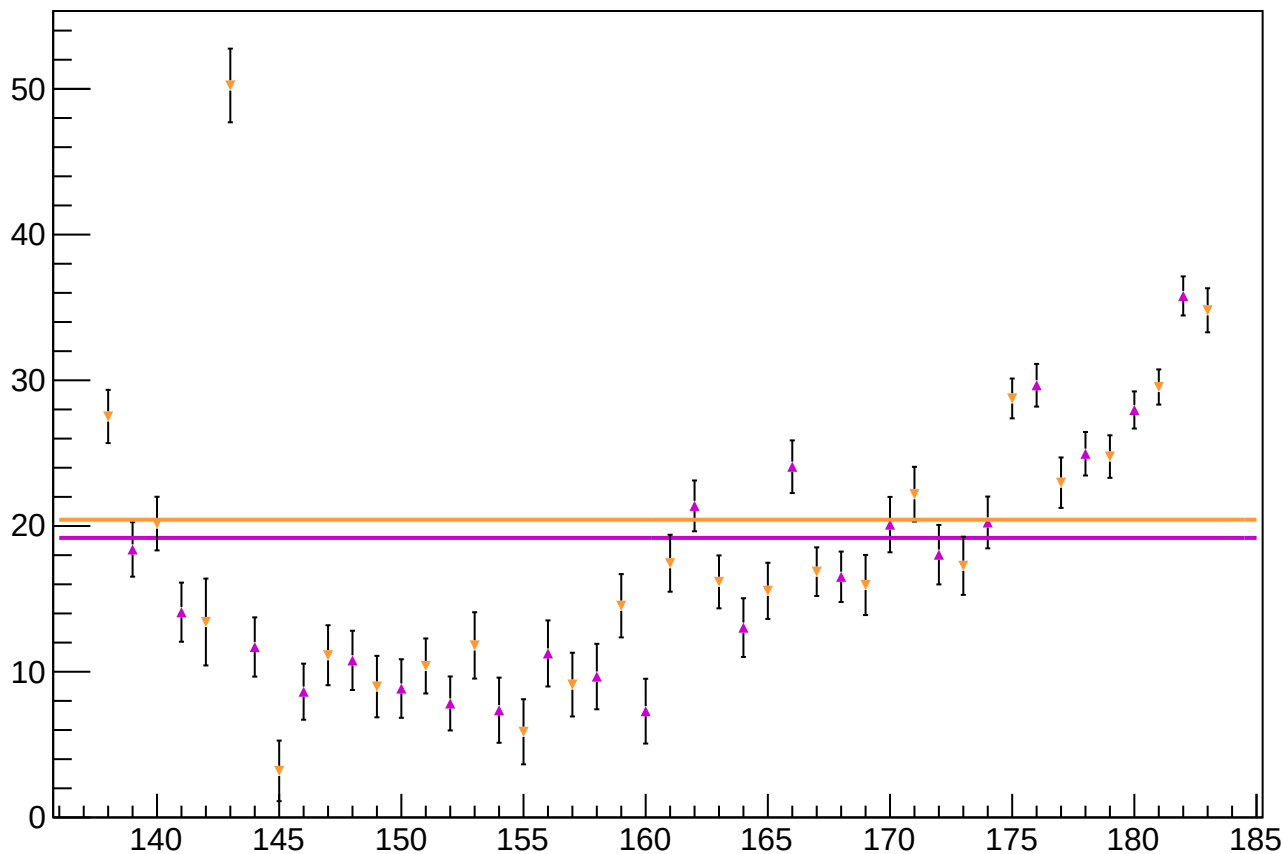
All: -17.761 ± 0.225 $\chi^2/\text{NDF}: 3940.8/81$

- sign -18.717 ± 0.322 $\chi^2/\text{NDF}: 2079.5/40$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 20.433 $\pm$ 0.376 χ^2/NDF : 619.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

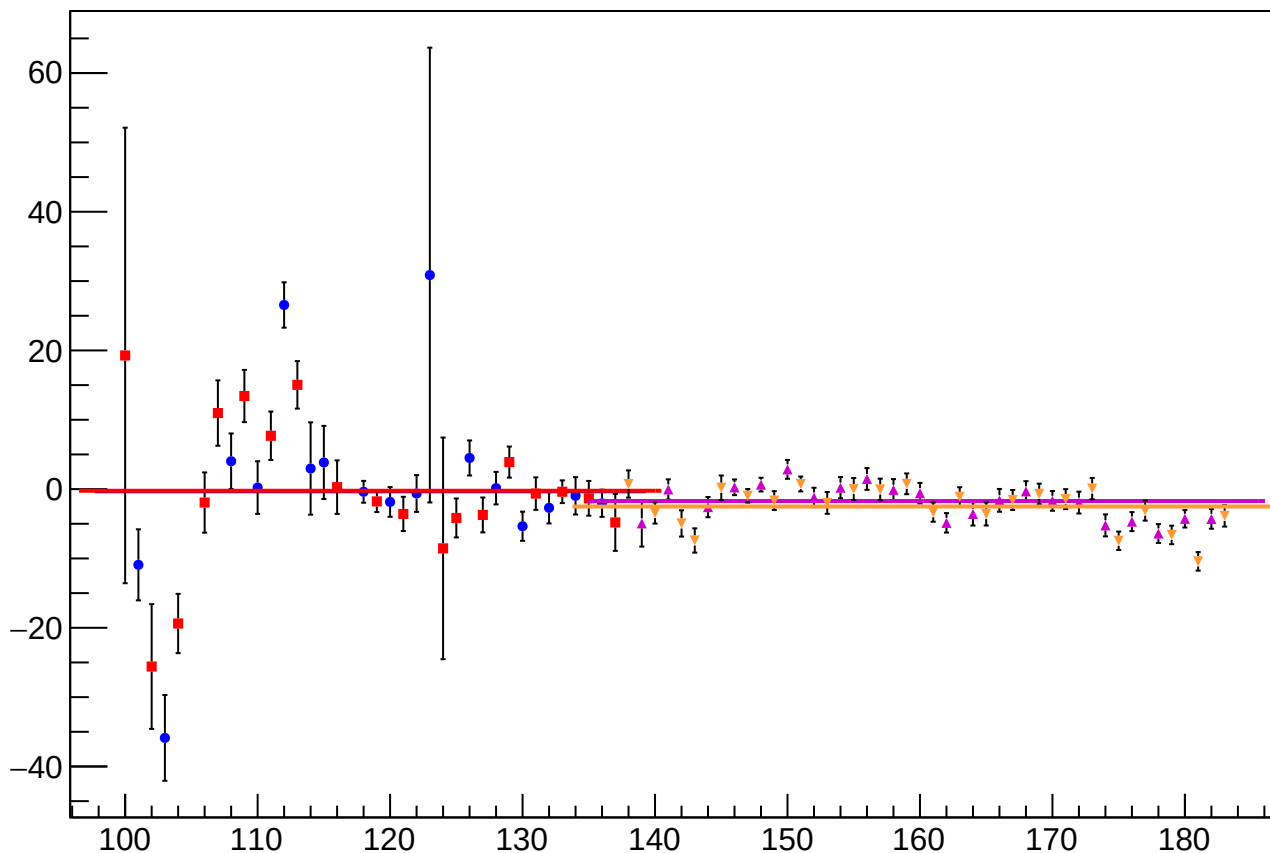
Left In: 19.184 $\pm$ 0.385 χ^2/NDF : 506.3/21

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: 19.823 $\pm$ 0.269 χ^2/NDF : 1131.5/45

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.309 ± 0.663 χ^2/NDF : 119.6/16

Left Out: -2.507 ± 0.294 χ^2/NDF : 103.2/23

Right Out: -0.237 ± 0.657 χ^2/NDF : 84.2/18

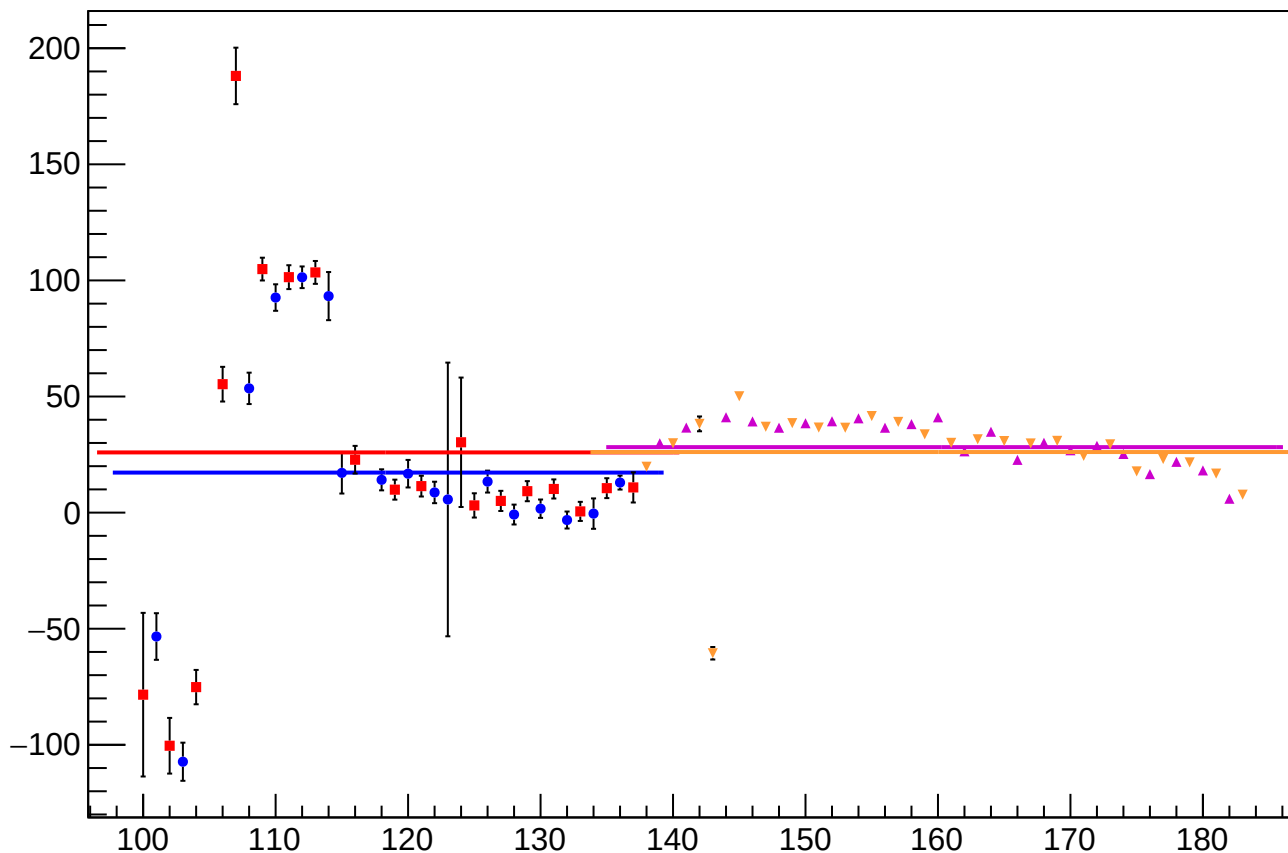
Left In: -1.721 ± 0.304 χ^2/NDF : 66.4/21

+ sign -2.146 ± 0.269 χ^2/NDF : 232.0/40

All: -1.812 ± 0.193 χ^2/NDF : 389.9/81

- sign -1.459 ± 0.276 χ^2/NDF : 154.8/40

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.239 ± 1.249 χ^2/NDF : 940.3/16

Left Out: 26.090 ± 0.375 χ^2/NDF : 1699.5/23

Right Out: 25.926 ± 1.246 χ^2/NDF : 1374.8/18

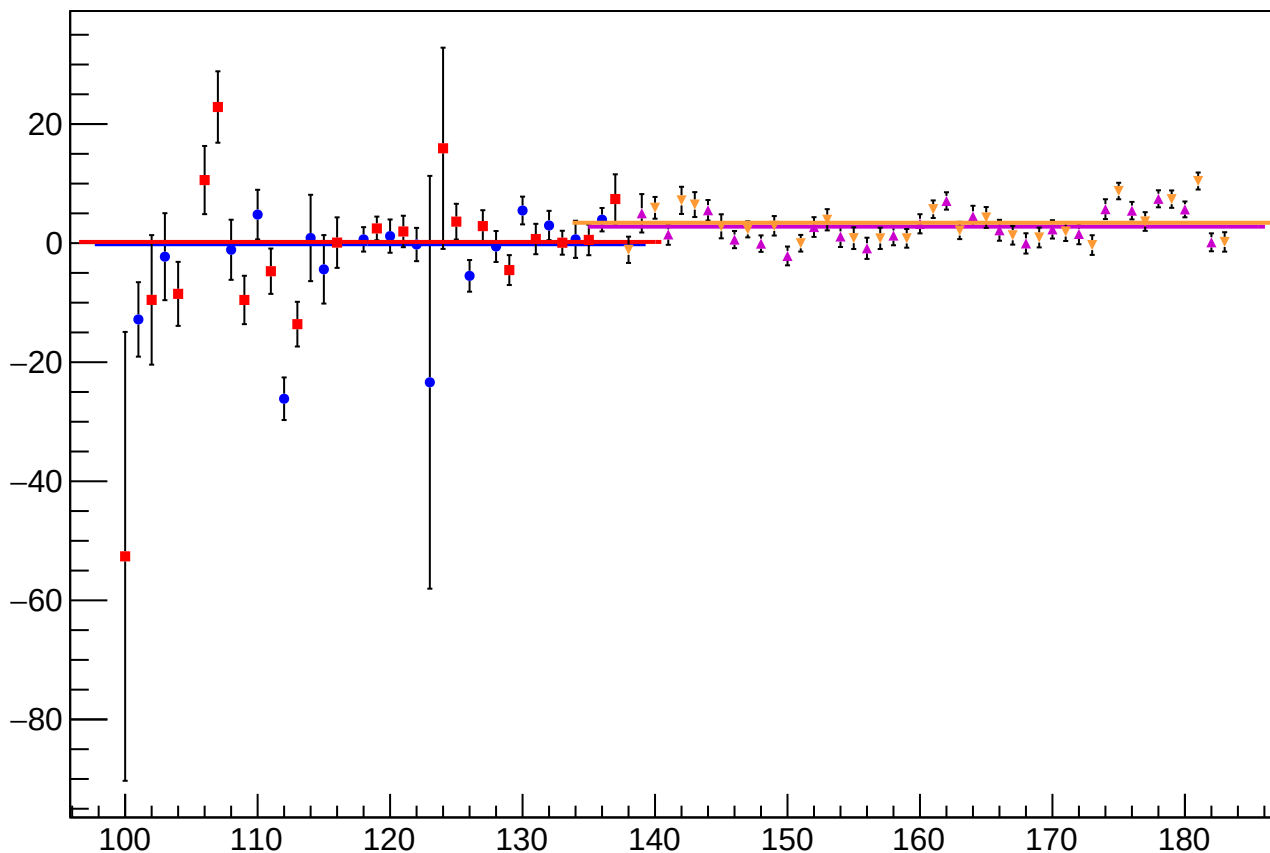
Left In: 28.200 ± 0.382 χ^2/NDF : 713.5/21

+ sign 25.359 ± 0.359 χ^2/NDF : 2685.9/40

All: 26.658 ± 0.256 χ^2/NDF : 4803.9/81

- sign 28.004 ± 0.365 χ^2/NDF : 2091.4/40

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.183 ± 0.753 χ^2/NDF : 75.7/16

Left Out: 3.423 ± 0.334 χ^2/NDF : 88.5/23

Right Out: 0.202 ± 0.750 χ^2/NDF : 55.4/18

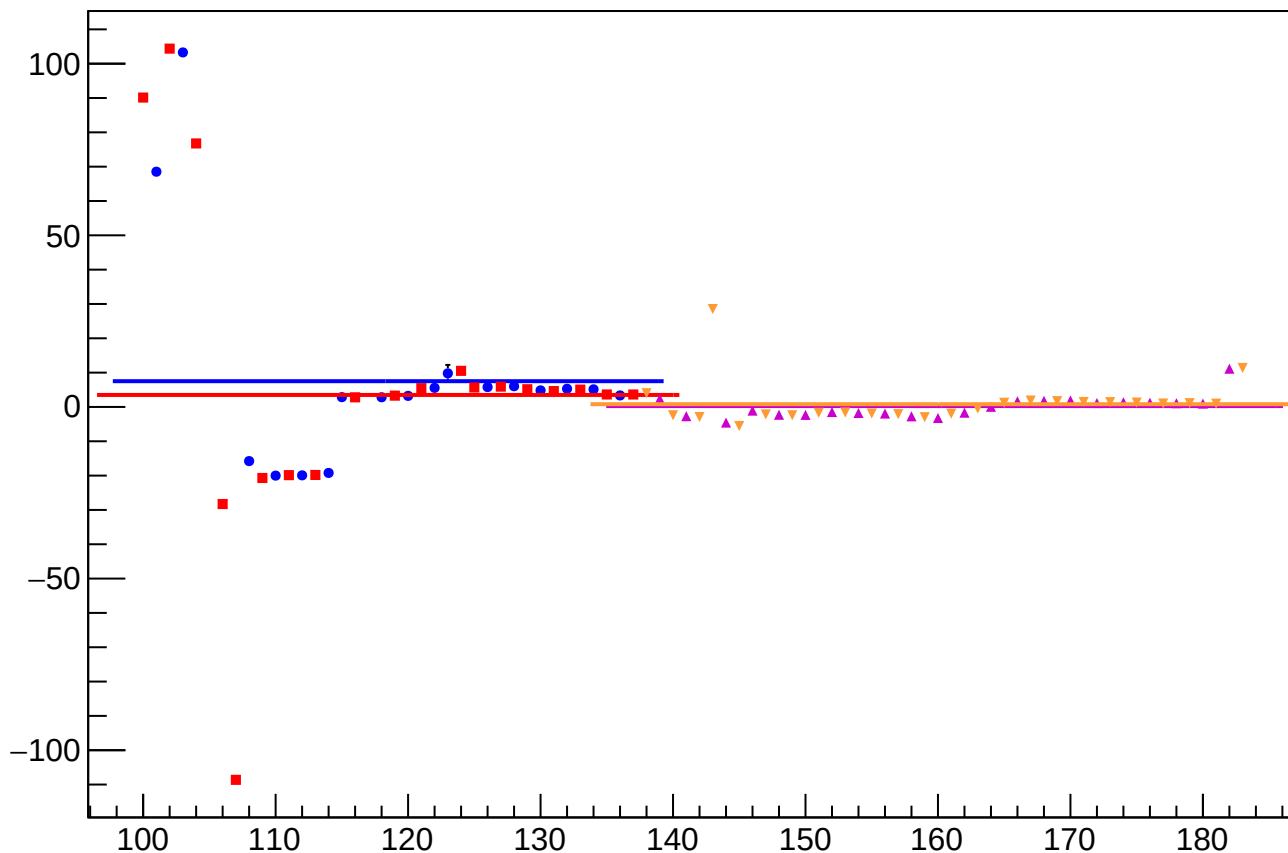
Left In: 2.771 ± 0.344 χ^2/NDF : 63.9/21

+ sign 2.832 ± 0.305 χ^2/NDF : 183.3/40

All: 2.584 ± 0.218 χ^2/NDF : 313.7/81

- sign 2.324 ± 0.313 χ^2/NDF : 129.0/40

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.507 ± 0.045 $\chi^2/\text{NDF}: 355810.5/16$

Left Out: 0.800 ± 0.015 $\chi^2/\text{NDF}: 109758.3/23$

Right Out: 3.499 ± 0.046 $\chi^2/\text{NDF}: 510576.0/18$

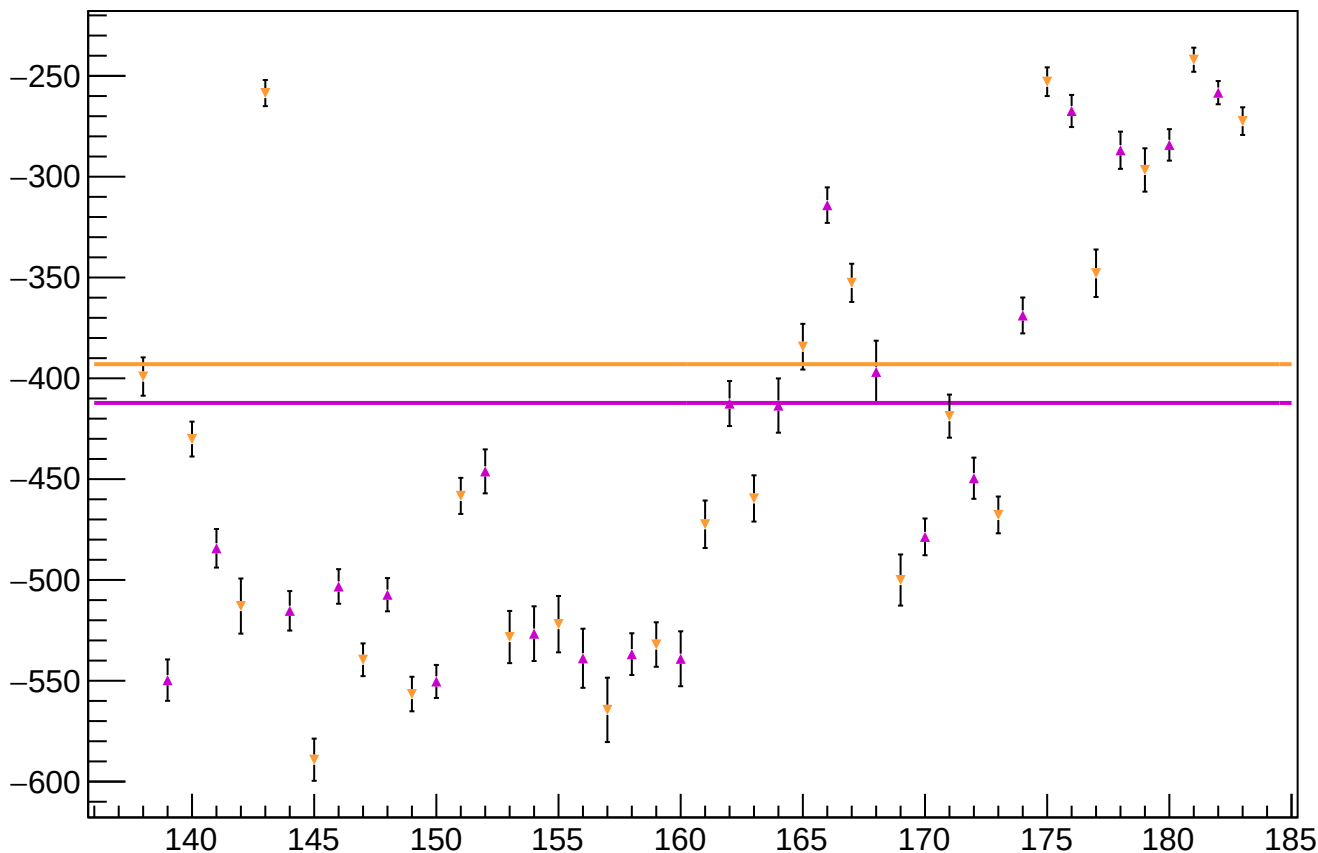
Left In: 0.254 ± 0.016 $\chi^2/\text{NDF}: 41673.3/21$

+ sign 1.506 ± 0.014 $\chi^2/\text{NDF}: 485724.6/40$

All: 1.056 ± 0.010 $\chi^2/\text{NDF}: 1044449.0/81$

- sign 0.592 ± 0.015 $\chi^2/\text{NDF}: 556767.3/40$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -392.981+/-1.915 χ^2/NDF : 3761.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

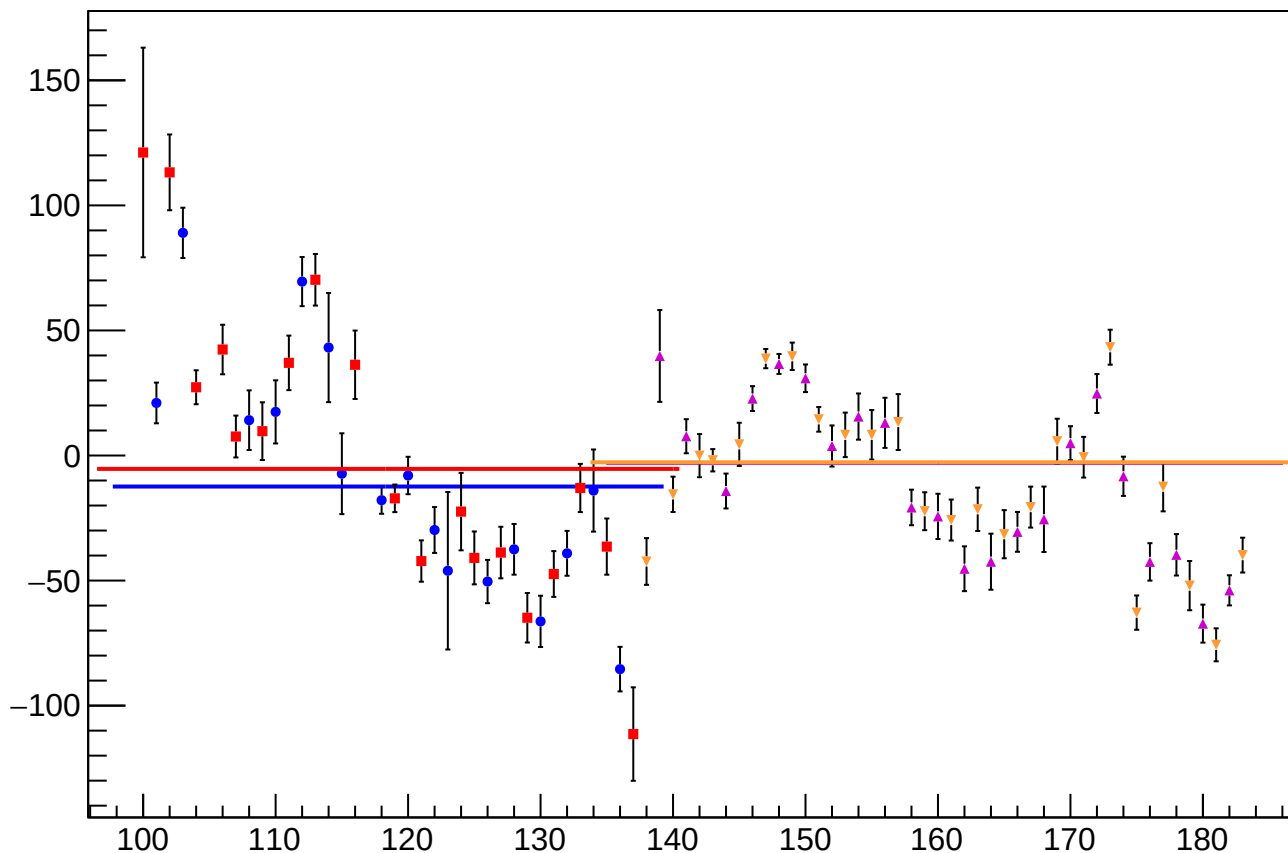
Left In: -412.204+/-2.015 χ^2/NDF : 2977.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -402.102+/-1.388 χ^2/NDF : 6786.7/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.408 ± 2.353 χ^2/NDF : 340.6/16

Left Out: -2.728 ± 1.434 χ^2/NDF : 546.4/23

Right Out: -5.355 ± 2.261 χ^2/NDF : 344.1/18

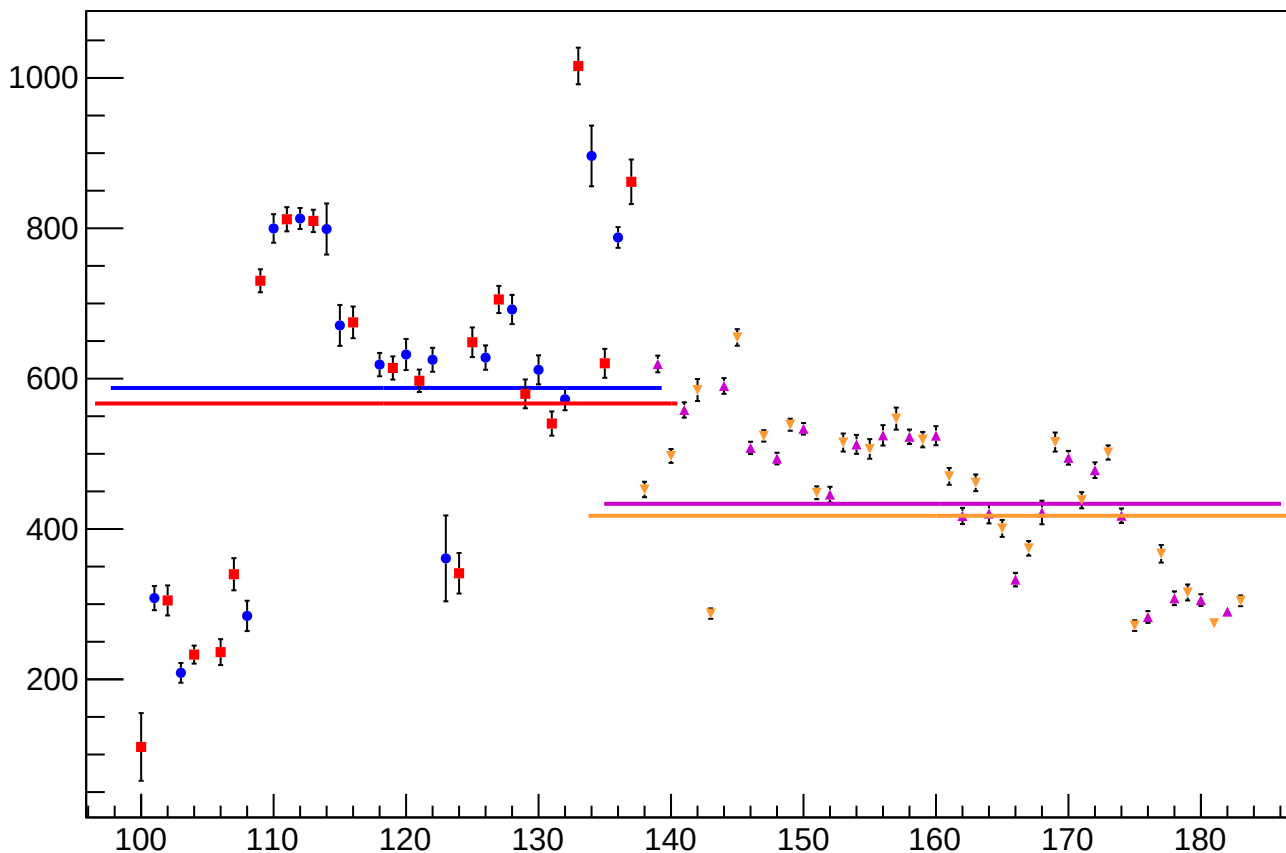
Left In: -2.975 ± 1.537 χ^2/NDF : 447.1/21

+ sign -5.349 ± 1.224 χ^2/NDF : 899.3/40

All: -4.568 ± 0.882 χ^2/NDF : 1692.1/81

- sign -3.727 ± 1.271 χ^2/NDF : 792.0/40

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.620 ± 4.361 $\chi^2/\text{NDF}: 2127.1/16$

Left Out: 417.601 ± 1.921 $\chi^2/\text{NDF}: 3278.0/23$

Right Out: 566.959 ± 4.142 $\chi^2/\text{NDF}: 2782.6/18$

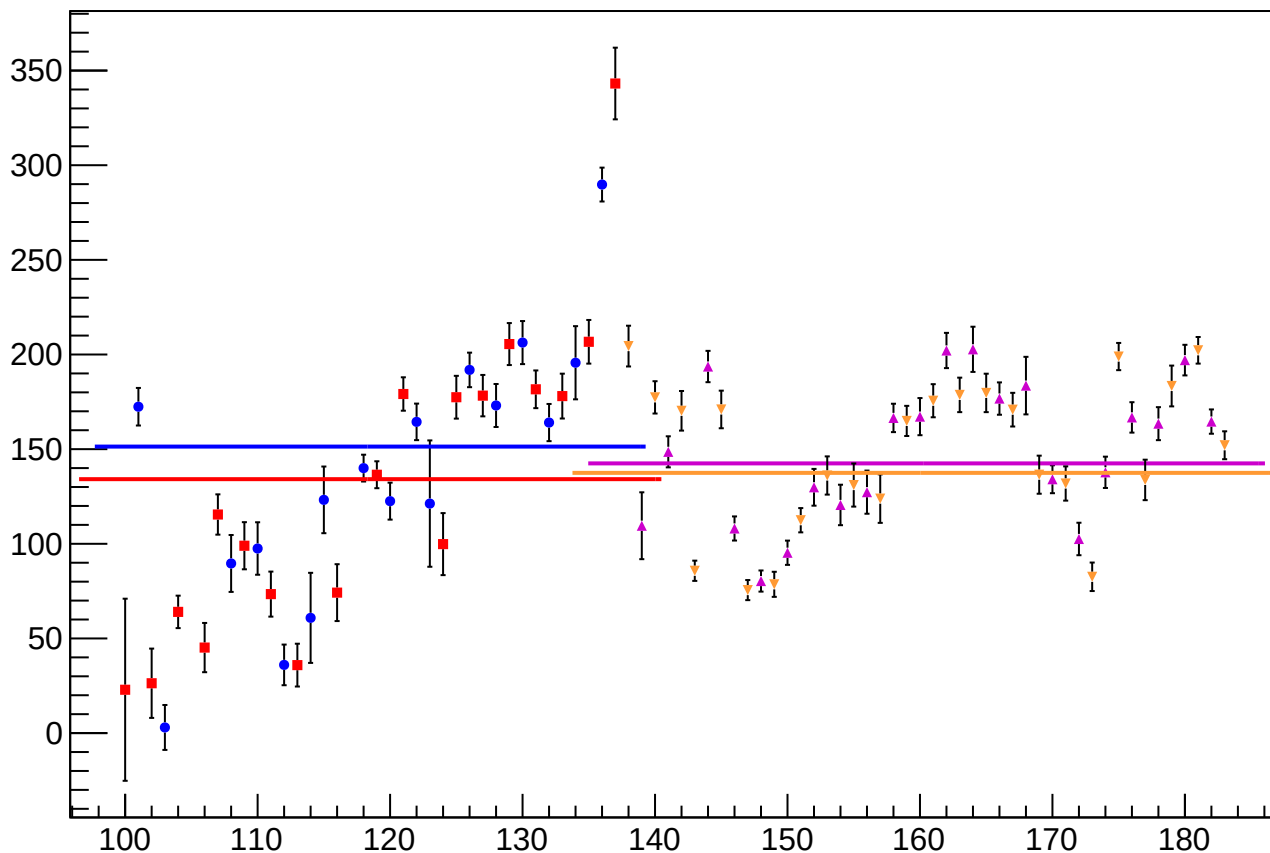
Left In: 433.486 ± 2.003 $\chi^2/\text{NDF}: 2788.3/21$

+ sign 445.232 ± 1.758 $\chi^2/\text{NDF}: 6677.8/40$

All: 451.838 ± 1.259 $\chi^2/\text{NDF}: 13119.1/81$

- sign 458.788 ± 1.804 $\chi^2/\text{NDF}: 6412.3/40$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.359 ± 2.715 χ^2/NDF : 632.2/16

Left Out: 137.475 ± 1.664 χ^2/NDF : 723.6/23

Right Out: 134.147 ± 2.620 χ^2/NDF : 582.9/18

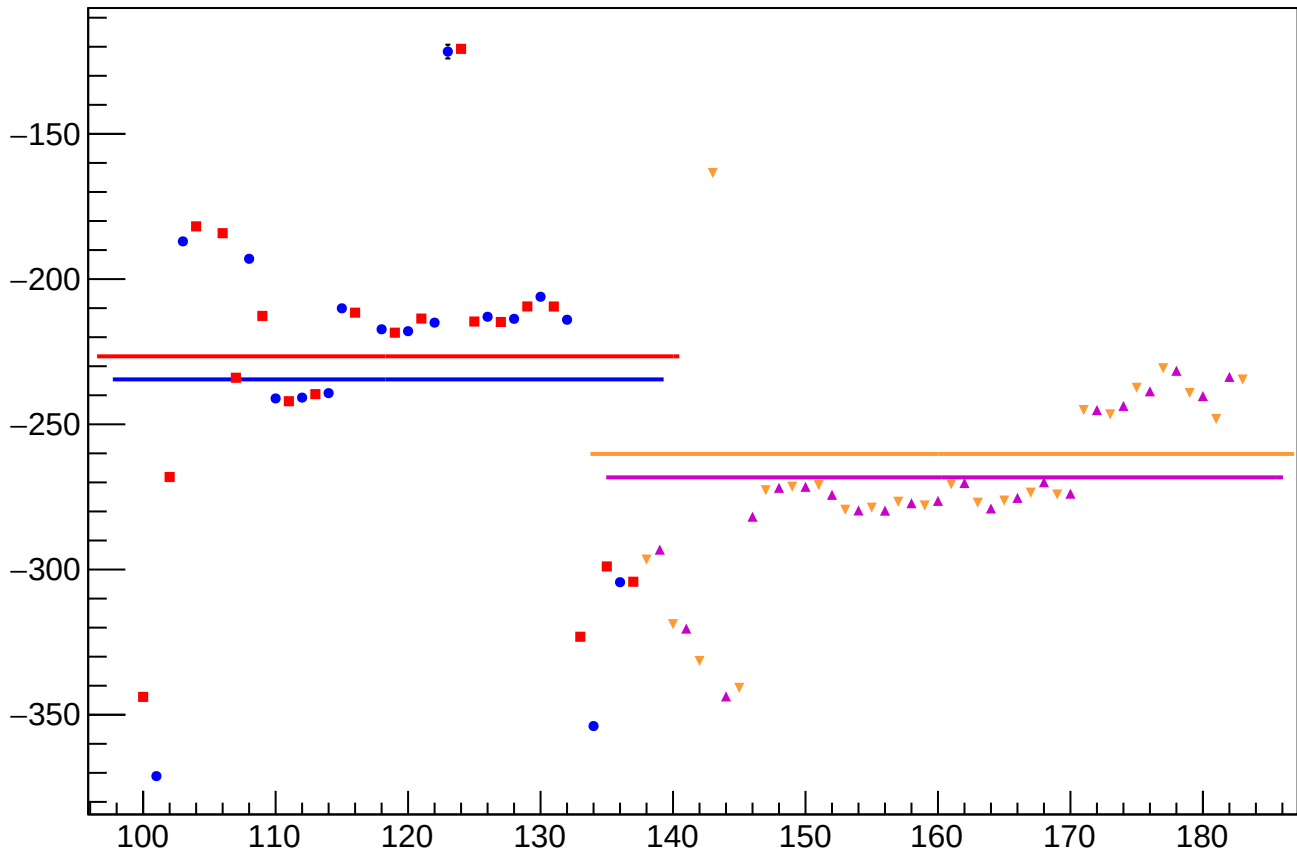
Left In: 142.479 ± 1.767 χ^2/NDF : 459.3/21

+ sign 141.266 ± 1.419 χ^2/NDF : 1374.8/40

All: 140.592 ± 1.019 χ^2/NDF : 2424.5/81

- sign 139.874 ± 1.465 χ^2/NDF : 1049.2/40

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.530 ± 0.149 $\chi^2/\text{NDF}: 145014.5/16$

Left Out: -260.190 ± 0.080 $\chi^2/\text{NDF}: 235514.5/23$

Right Out: -226.593 ± 0.142 $\chi^2/\text{NDF}: 98973.6/18$

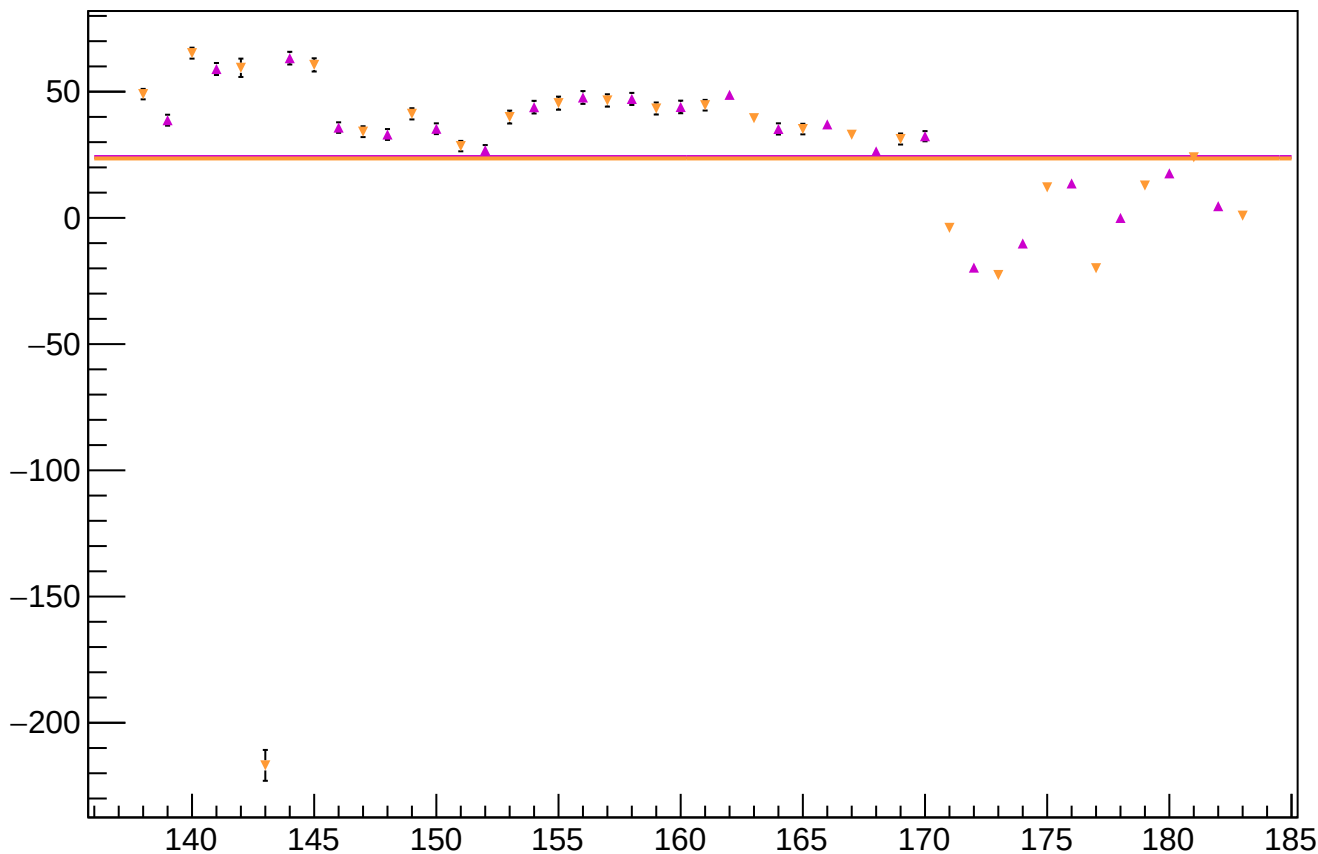
Left In: -268.267 ± 0.083 $\chi^2/\text{NDF}: 94366.9/21$

+ sign -254.459 ± 0.071 $\chi^2/\text{NDF}: 403497.5/40$

All: -256.021 ± 0.050 $\chi^2/\text{NDF}: 662395.4/81$

- sign -257.628 ± 0.072 $\chi^2/\text{NDF}: 257902.1/40$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 23.542+/-0.402 χ^2/NDF : 4621.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

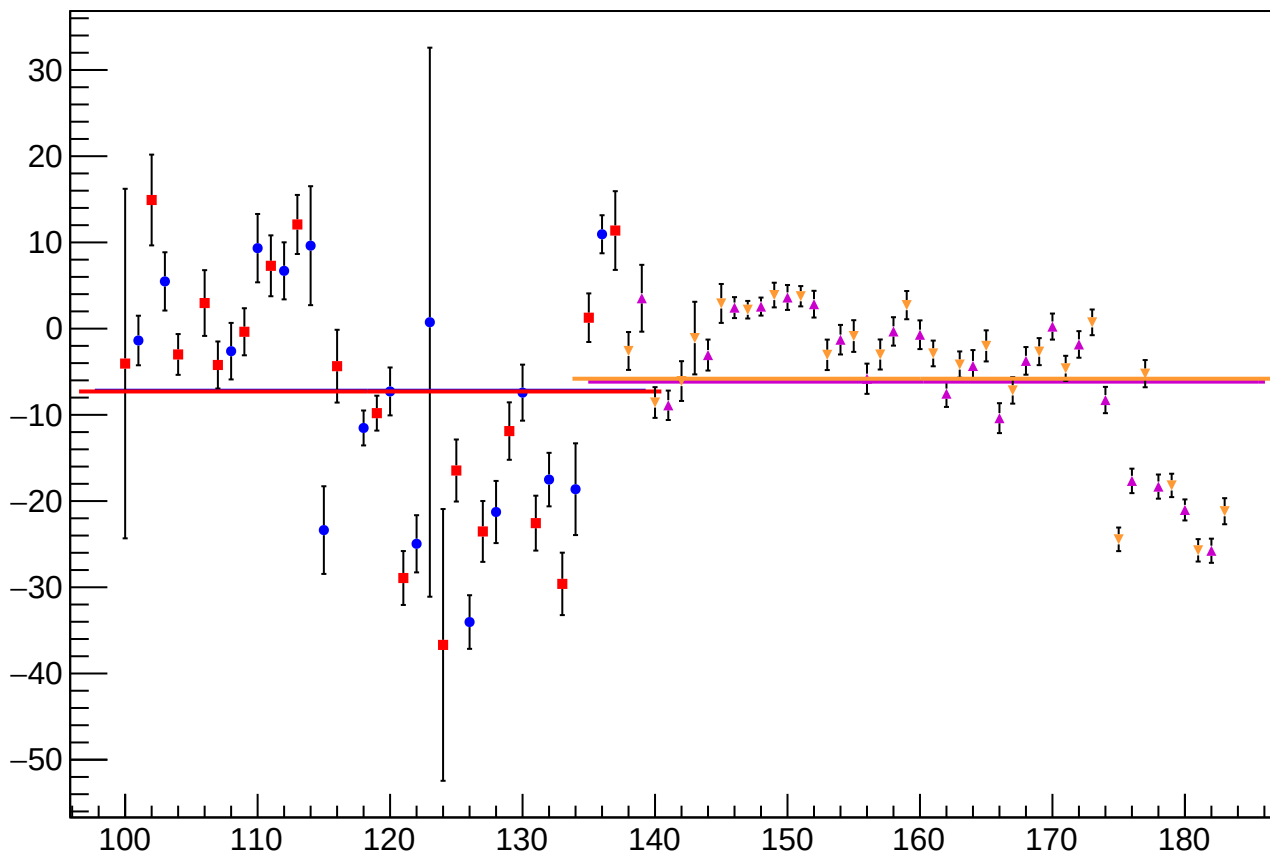
Left In: 24.105+/-0.407 χ^2/NDF : 2548.2/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 23.820+/-0.286 χ^2/NDF : 7170.6/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.201 ± 0.790 χ^2/NDF : 277.5/16

Left Out: -5.808 ± 0.318 χ^2/NDF : 874.5/23

Right Out: -7.289 ± 0.762 χ^2/NDF : 255.0/18

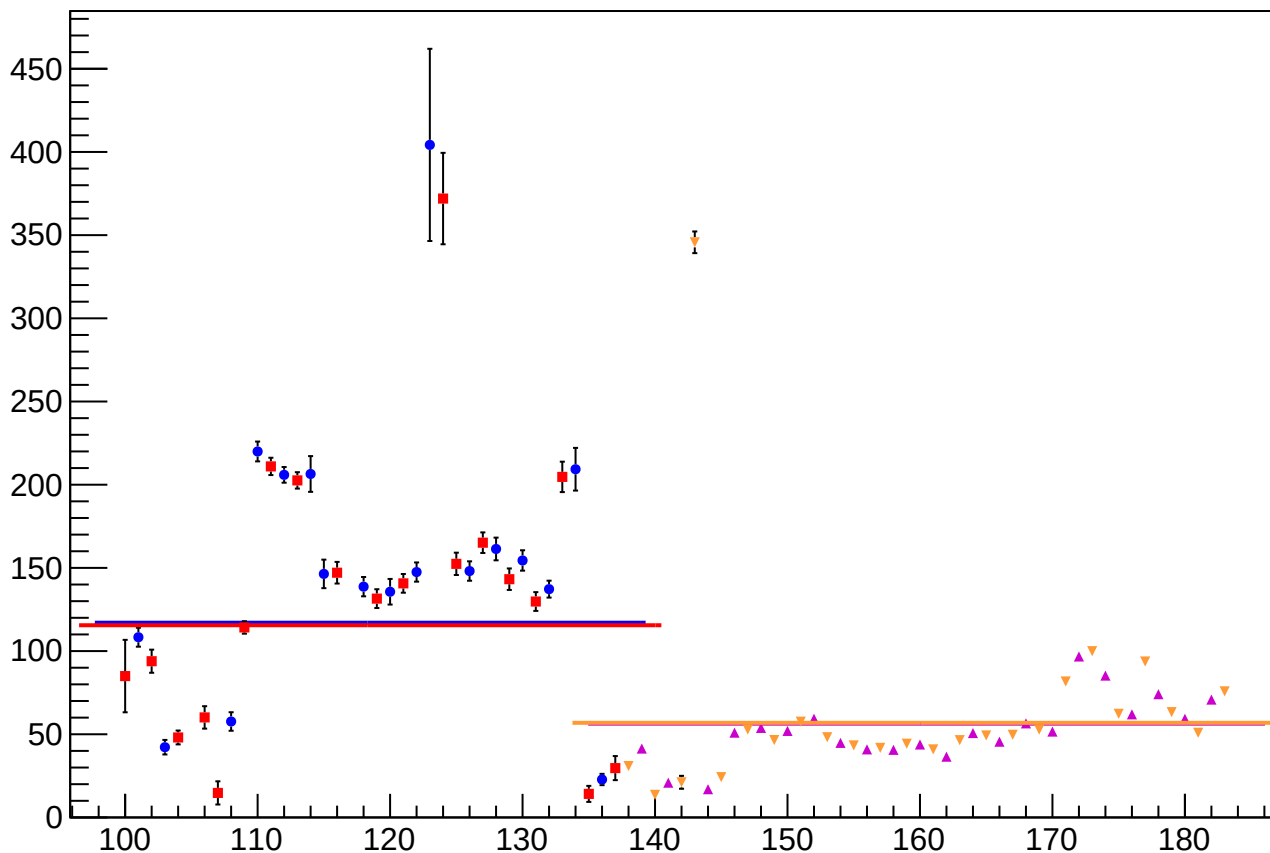
Left In: -6.148 ± 0.324 χ^2/NDF : 764.9/21

+ sign -6.002 ± 0.295 χ^2/NDF : 1154.6/40

All: -6.160 ± 0.210 χ^2/NDF : 2177.0/81

- sign -6.323 ± 0.298 χ^2/NDF : 1021.8/40

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.046 $\pm$ 1.419 χ^2 /NDF: 2159.0/16

Left Out: 56.884 $\pm$ 0.401 χ^2 /NDF:4167.1/23

Right Out: 115.529 $\pm$ 1.363 χ^2 /NDF: 2135.6/18

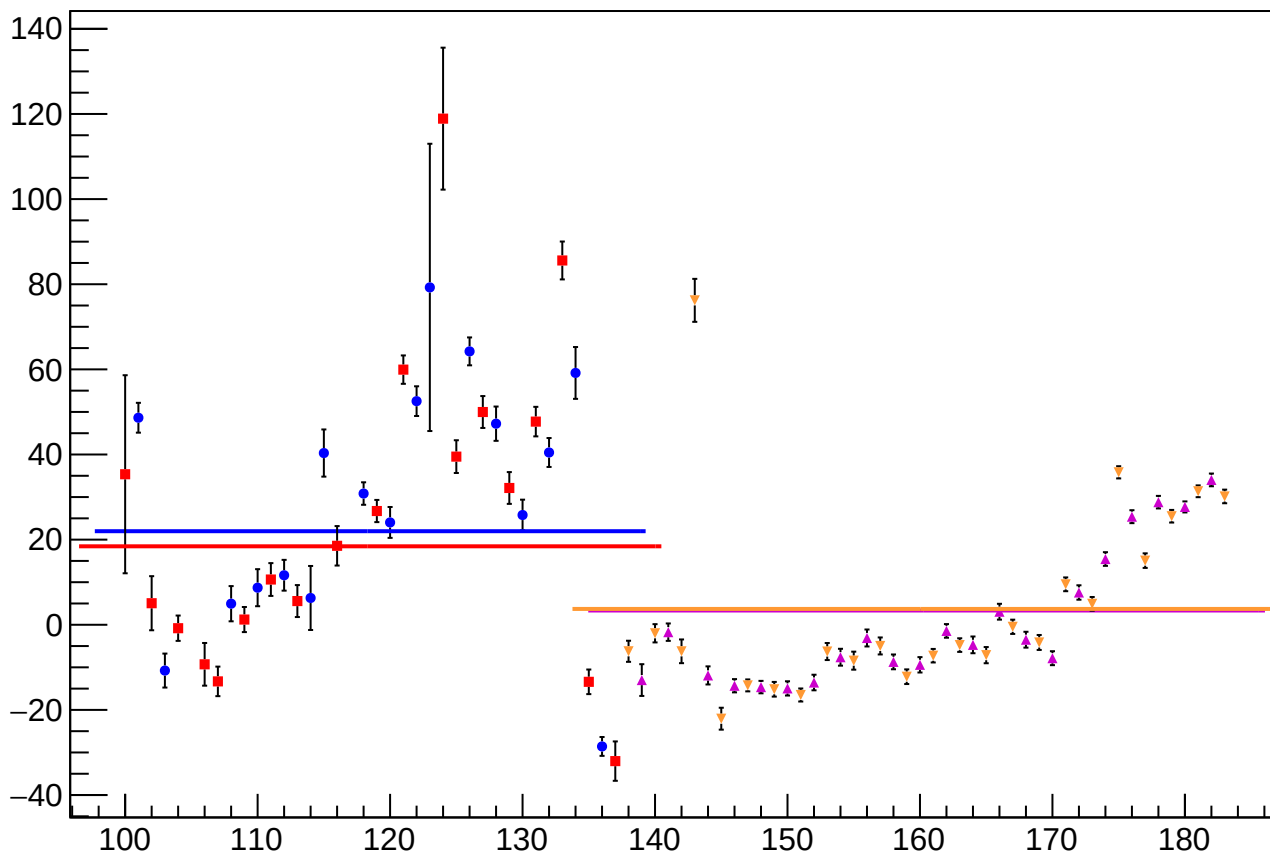
Left In: 56.377 $\pm$ 0.405 χ^2 /NDF:1667.9/21

+ sign 61.336 $\pm$ 0.386 χ^2 /NDF: 7990.1/40

All: 61.255 $\pm$ 0.274 χ^2 /NDF: 13524.5/81

- sign 61.173 $\pm$ 0.388 χ^2 /NDF: 5534.2/40

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 21.981 ± 0.900 $\chi^2/\text{NDF}: 1061.2/16$

Left Out: 3.720 ± 0.360 $\chi^2/\text{NDF}: 2541.0/23$

Right Out: 18.432 ± 0.873 $\chi^2/\text{NDF}: 1066.0/18$

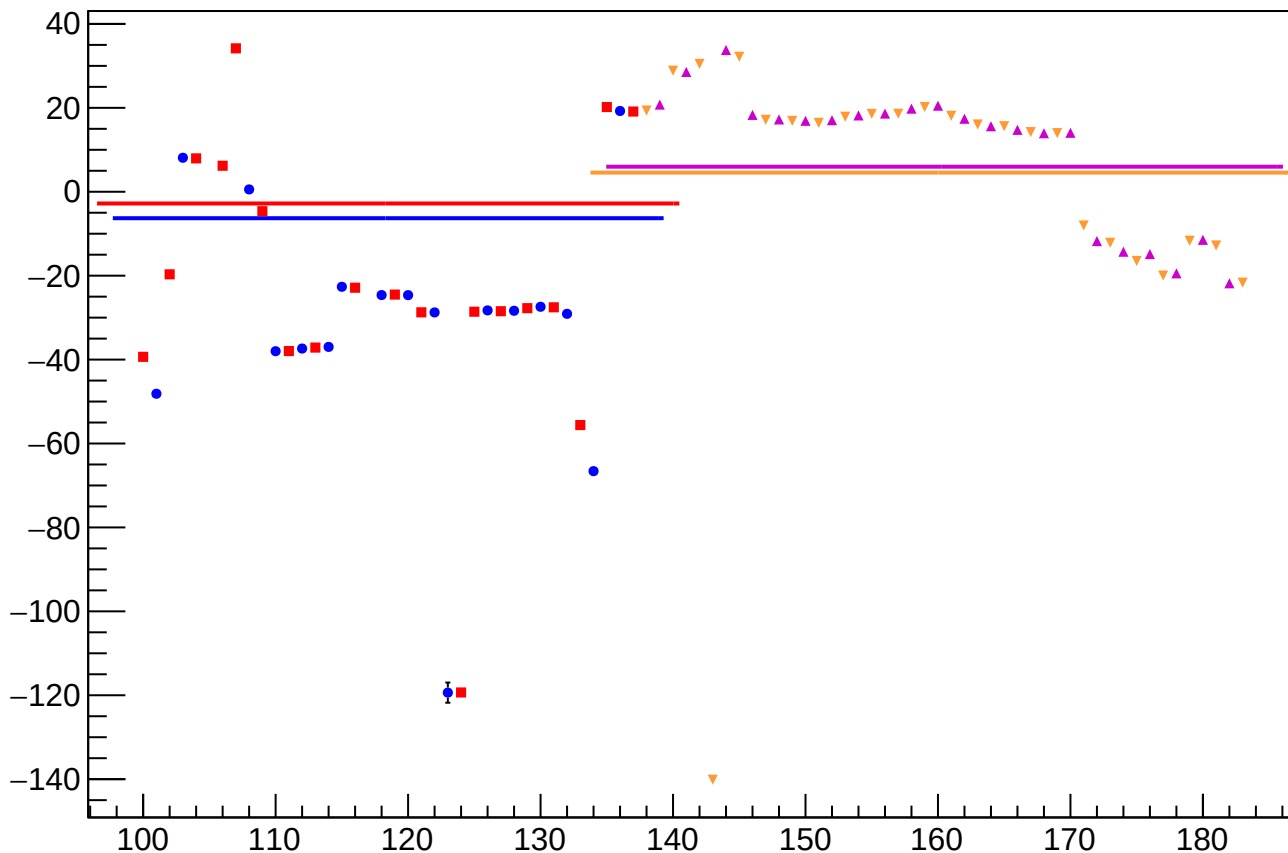
Left In: 3.352 ± 0.366 $\chi^2/\text{NDF}: 2131.4/21$

+ sign 6.232 ± 0.334 $\chi^2/\text{NDF}: 3957.1/40$

All: 5.921 ± 0.237 $\chi^2/\text{NDF}: 7410.3/81$

- sign 5.604 ± 0.337 $\chi^2/\text{NDF}: 3451.5/40$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.304 ± 0.046 χ^2/NDF : 264097.6/16

Left Out: 4.562 ± 0.017 χ^2/NDF : 1334552.5/23

Right Out: -2.793 ± 0.046 χ^2/NDF : 265022.4/18

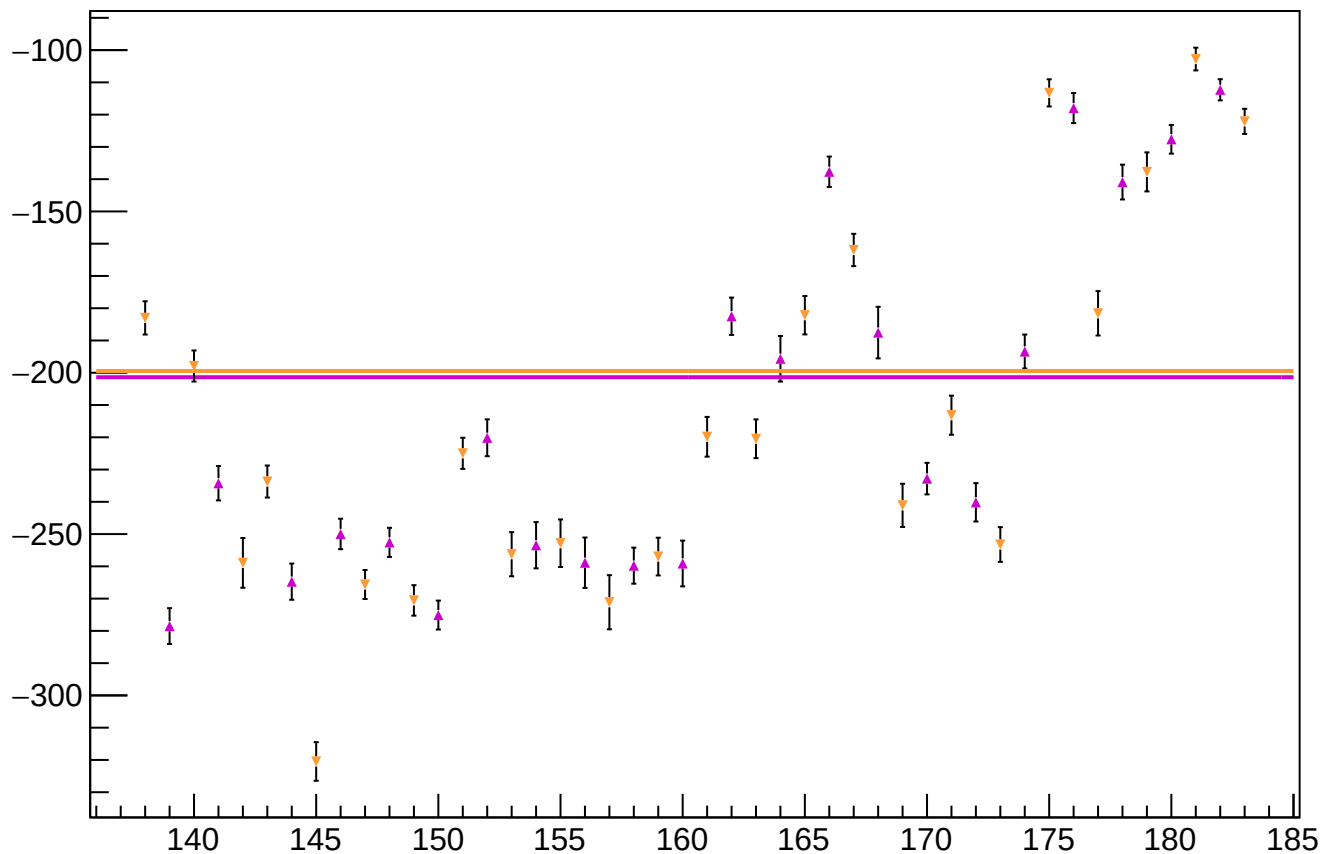
Left In: 5.976 ± 0.017 χ^2/NDF : 1012527.4/21

+ sign 3.335 ± 0.016 χ^2/NDF : 1647374.0/40

All: 4.144 ± 0.011 χ^2/NDF : 2962739.9/81

- sign 4.956 ± 0.016 χ^2/NDF : 1309968.0/40

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -199.449+/-1.088 χ^2/NDF : 3197.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

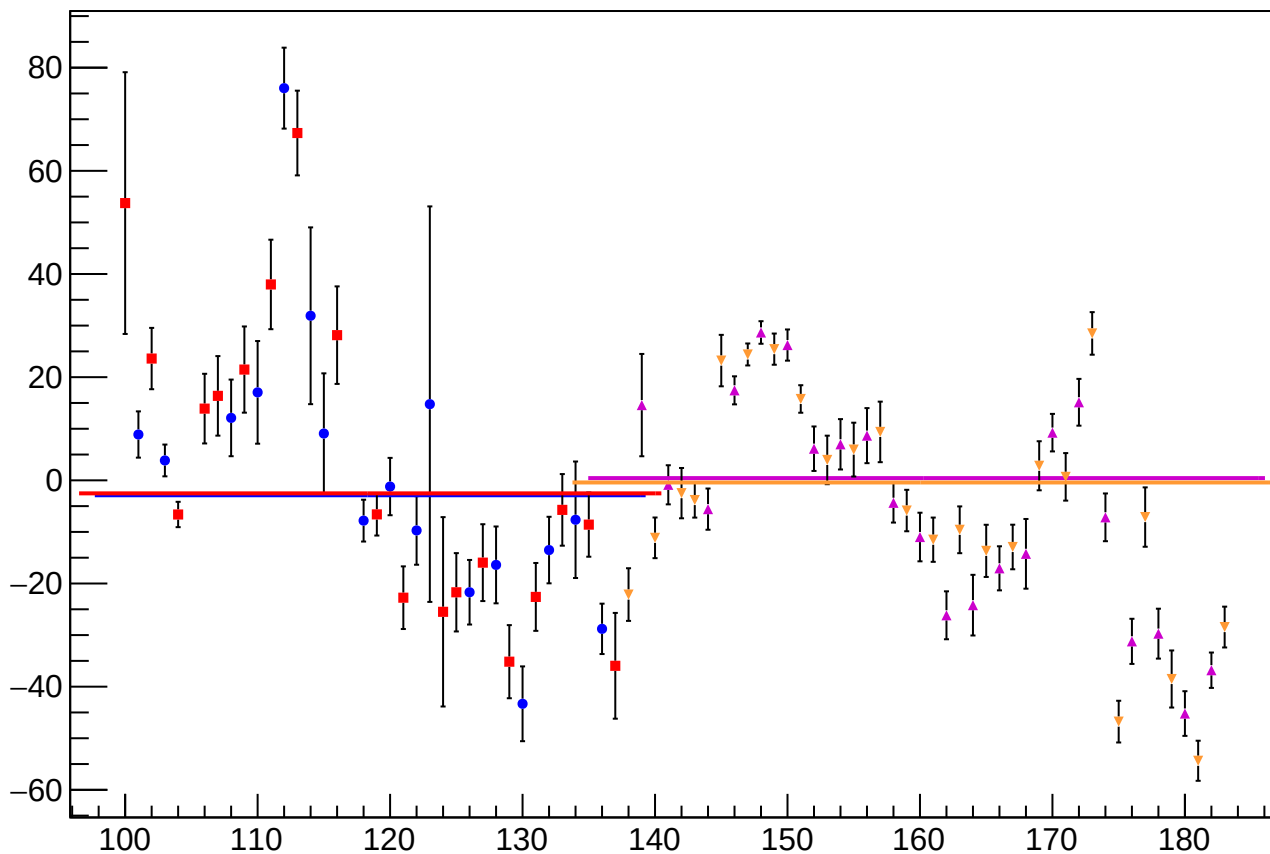
Left In: -201.387+/-1.116 χ^2/NDF : 2901.8/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -200.394+/-0.779 χ^2/NDF : 6101.2/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.891 ± 1.469 χ^2/NDF : 203.4/16

Left Out: -0.413 ± 0.813 χ^2/NDF : 800.6/23

Right Out: -2.525 ± 1.398 χ^2/NDF : 217.5/18

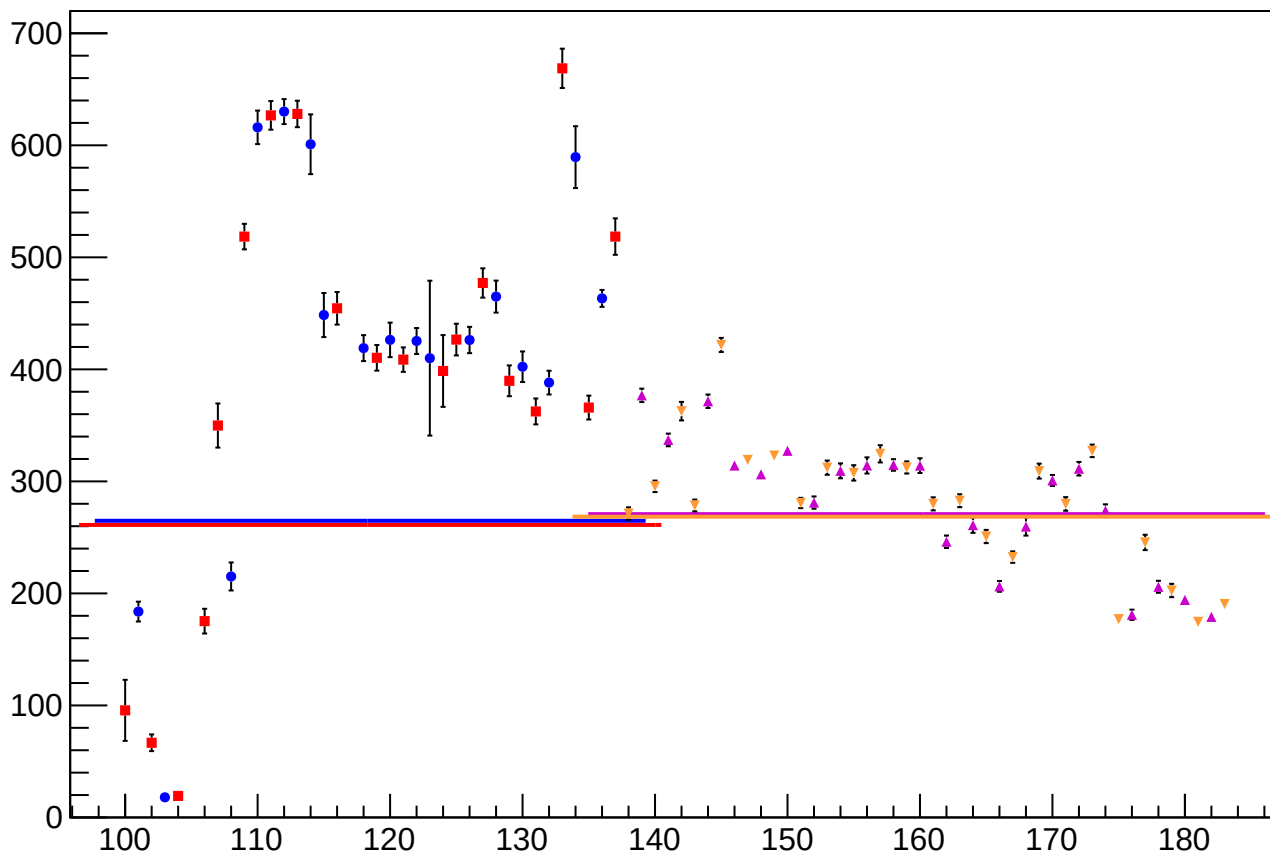
Left In: 0.432 ± 0.846 χ^2/NDF : 707.6/21

+ sign -0.994 ± 0.711 χ^2/NDF : 1006.2/40

All: -0.683 ± 0.507 χ^2/NDF : 1934.9/81

- sign -0.361 ± 0.724 χ^2/NDF : 928.3/40

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 264.819 $\pm$ 2.491 χ^2 /NDF: 7613.2/16

Left Out: 268.485 $\pm$ 1.087 χ^2 /NDF:3115.6/23

Right Out: 261.125 $\pm$ 2.460 χ^2 /NDF: 8195.5/18

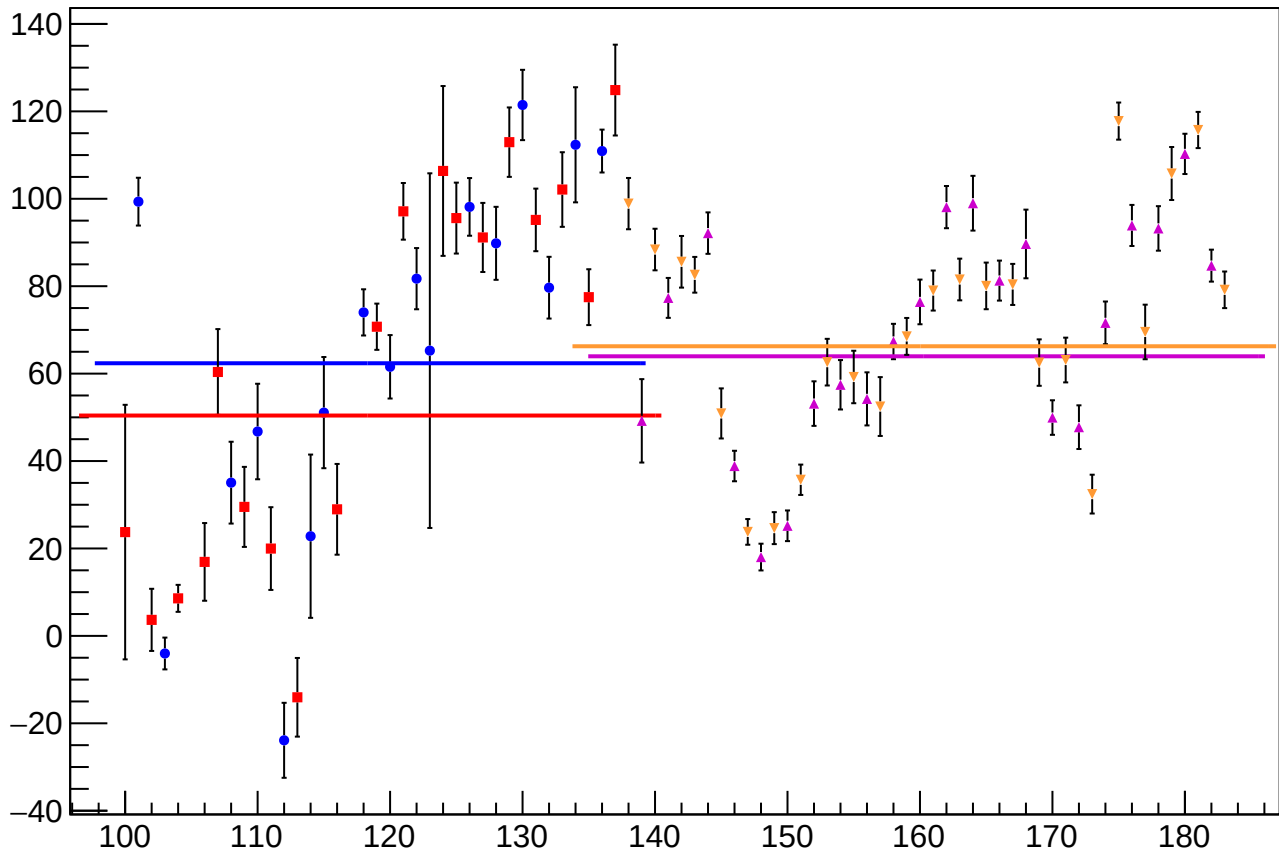
Left In: 270.729 $\pm$ 1.107 χ^2 /NDF:3105.5/21

+ sign 267.899 $\pm$ 0.996 χ^2 /NDF: 10730.6/40

All: 268.497 $\pm$ 0.709 χ^2 /NDF: 22045.0/81

- sign 269.111 $\pm$ 1.010 χ^2 /NDF: 11313.7/40

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.373+/-1.697 χ^2 /NDF: 720.9/16

Left Out: 66.259+/-0.942 χ^2 /NDF:943.5/23

Right Out: 50.412+/-1.644 χ^2 /NDF: 653.8/18

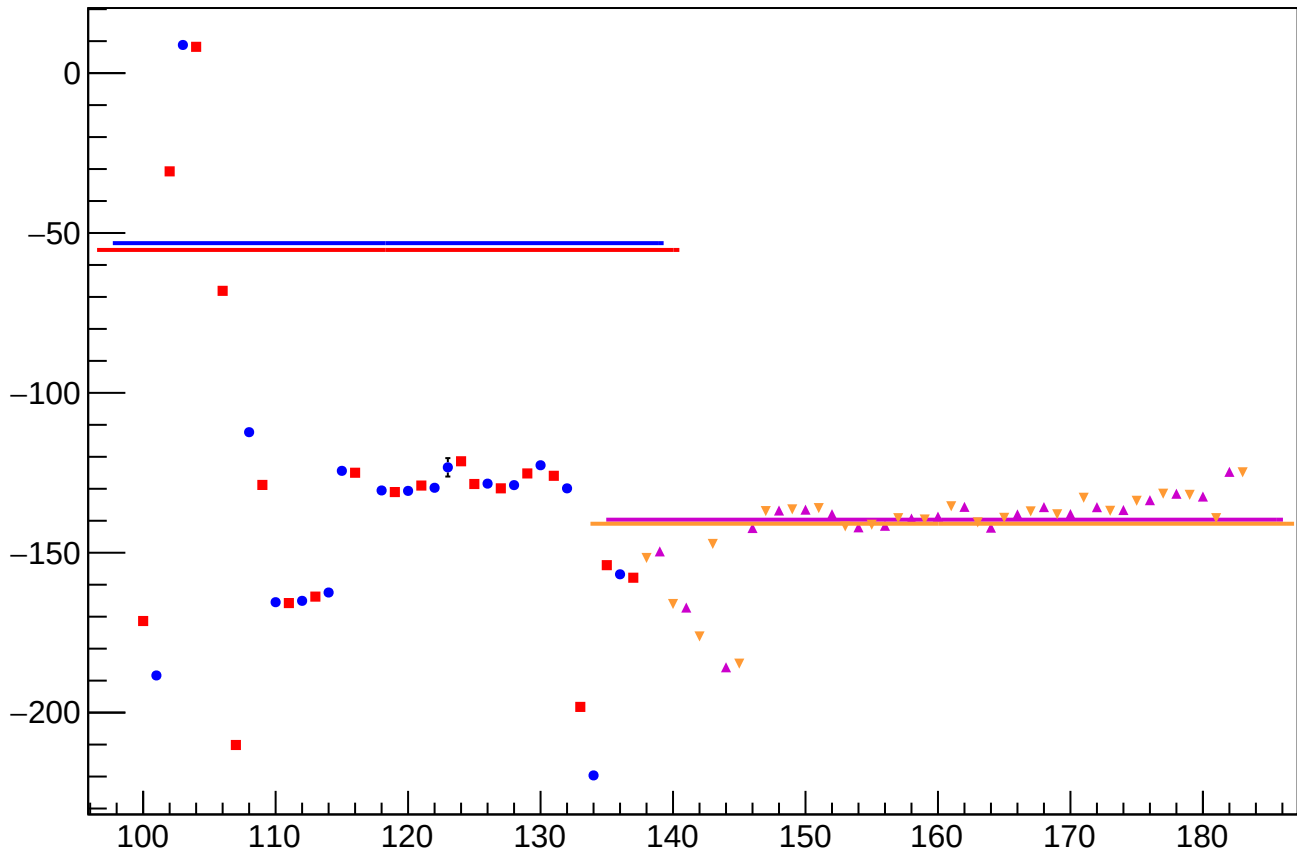
Left In: 63.964+/-0.974 χ^2 /NDF:799.4/21

+ sign 65.344+/-0.824 χ^2 /NDF: 1668.4/40

All: 62.936+/-0.587 χ^2 /NDF: 3189.3/81

- sign 60.443+/-0.838 χ^2 /NDF: 1503.5/40

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.177 ± 0.070 χ^2/NDF : 1223993.8/16

Left Out: -140.932 ± 0.045 χ^2/NDF : 73820.2/23

Right Out: -55.301 ± 0.072 χ^2/NDF : 965954.6/18

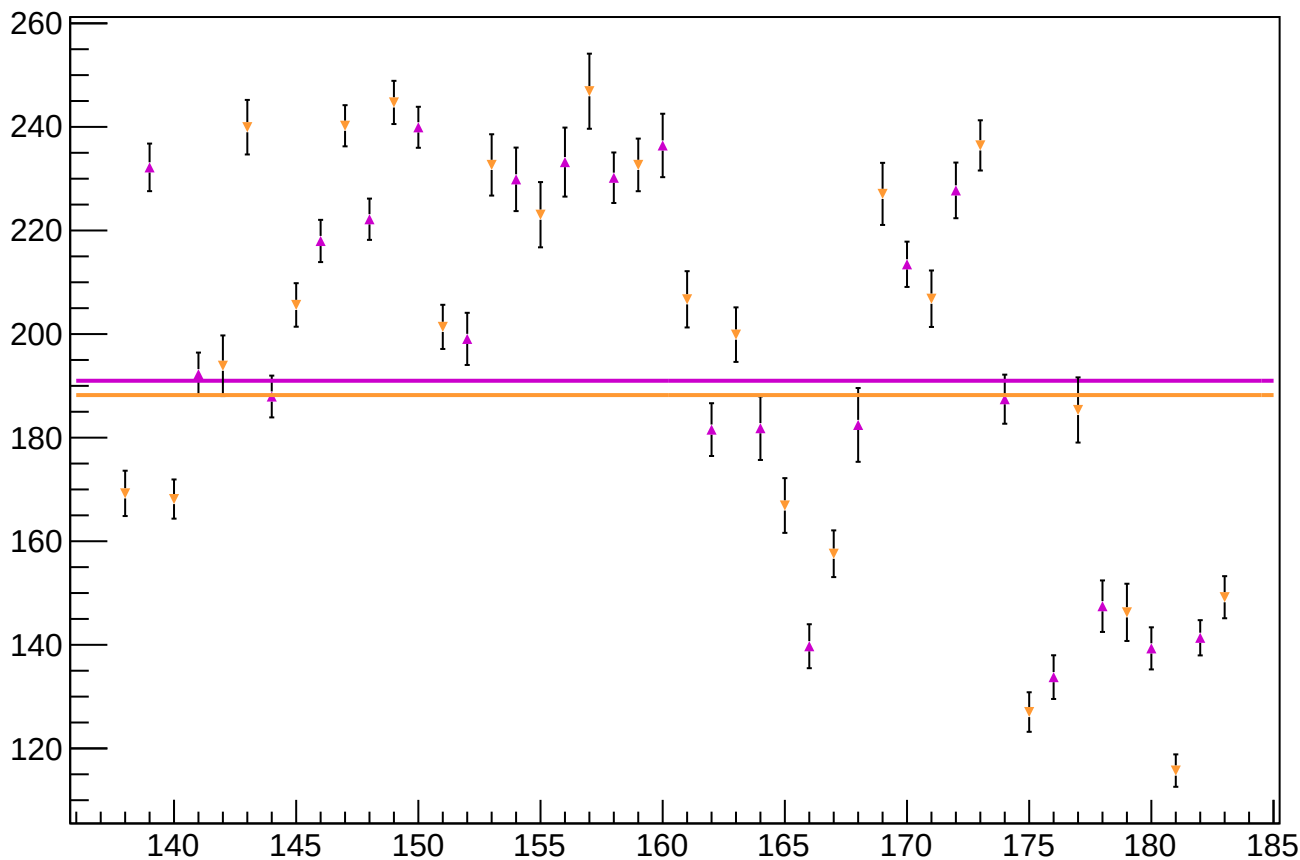
Left In: -139.665 ± 0.046 χ^2/NDF : 60735.9/21

+ sign -115.443 ± 0.038 χ^2/NDF : 2398809.9/40

All: -115.470 ± 0.027 χ^2/NDF : 4405594.1/81

- sign -115.498 ± 0.039 χ^2/NDF : 2006783.2/40

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 188.221 $\pm$ 0.963 χ^2/NDF : 1929.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

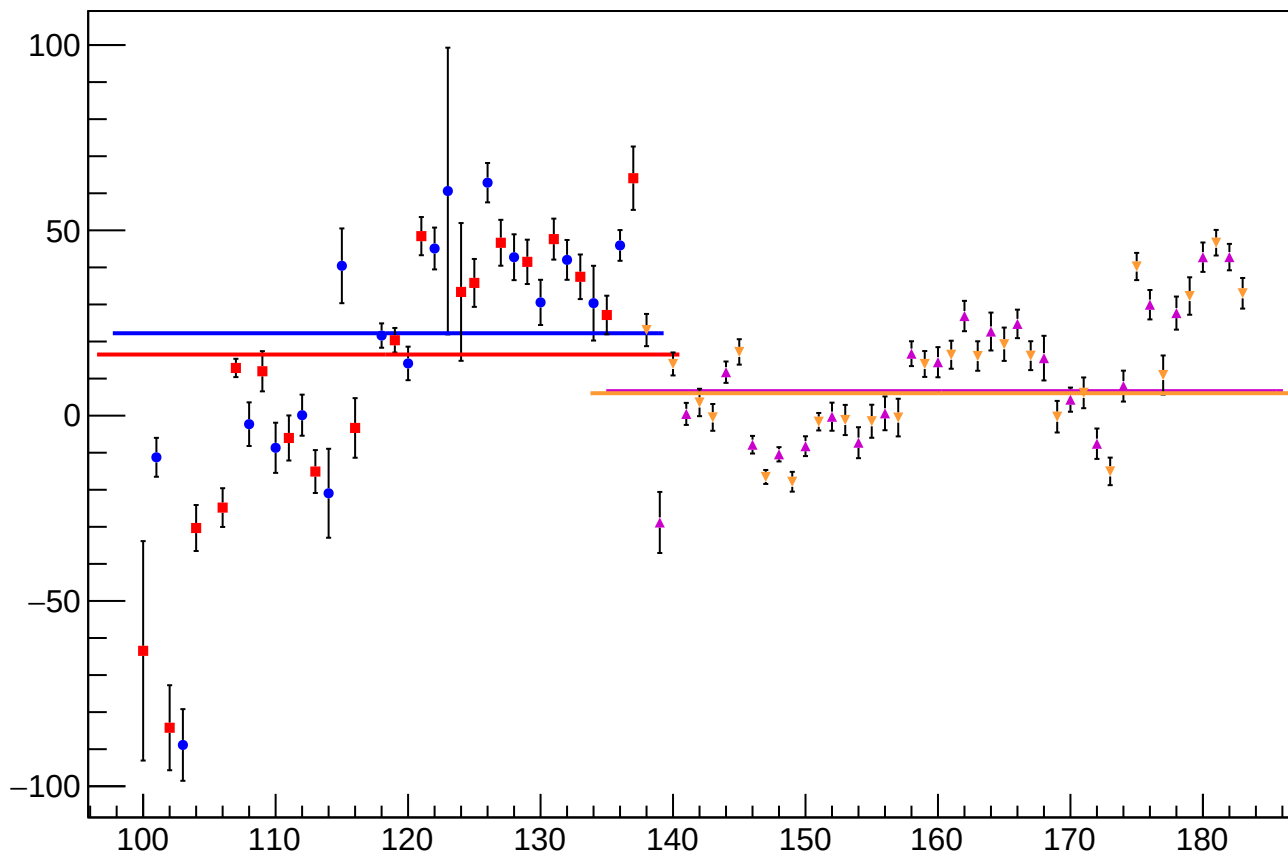
Left In: 190.986 $\pm$ 0.987 χ^2/NDF : 1403.1/21

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: 189.568 $\pm$ 0.689 χ^2/NDF : 3336.7/45

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.234 $\pm$ 1.398 χ^2 /NDF: 382.0/16

Left Out: 6.053 $\pm$ 0.716 χ^2 /NDF: 642.6/23

Right Out: 16.492 $\pm$ 1.229 χ^2 /NDF: 426.0/18

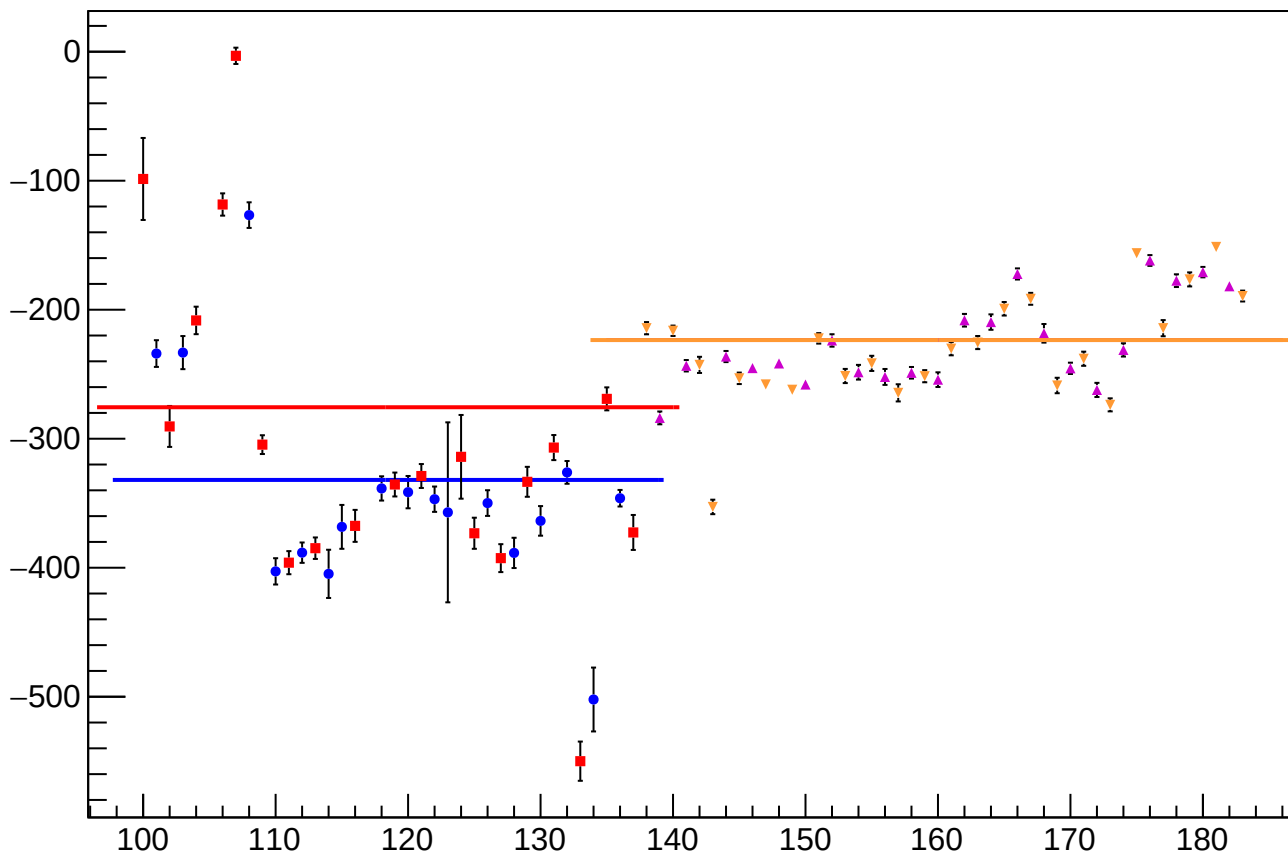
Left In: 6.612 $\pm$ 0.742 χ^2 /NDF: 515.0/21

+ sign 9.415 $\pm$ 0.637 χ^2 /NDF: 1130.7/40

All: 9.333 $\pm$ 0.450 χ^2 /NDF: 2119.1/81

- sign 9.251 $\pm$ 0.635 χ^2 /NDF: 988.4/40

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.943 $\pm$ 2.586 χ^2 /NDF: 785.9/16

Left Out: -223.517 $\pm$ 0.962 χ^2 /NDF:2041.2/23

Right Out: -275.603 $\pm$ 2.328 χ^2 /NDF: 3358.3/18

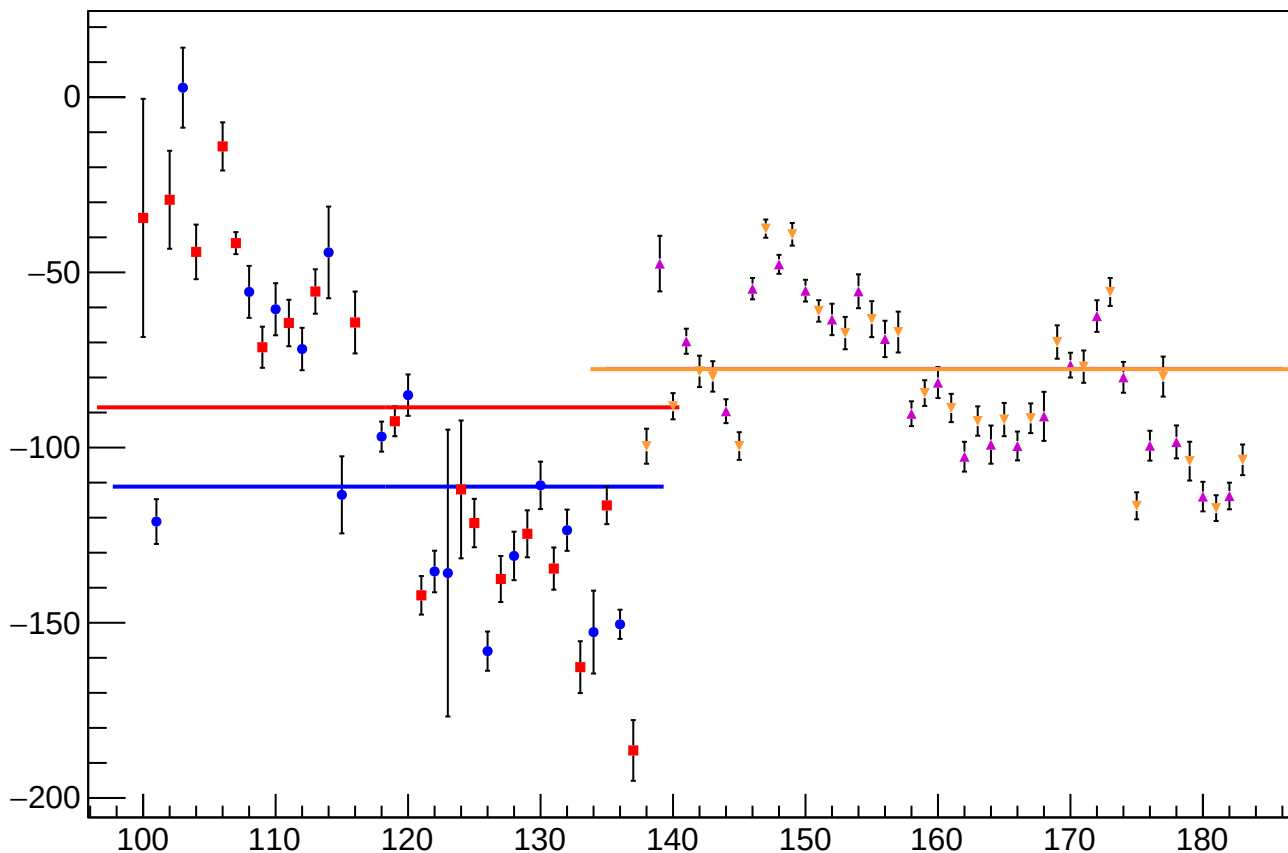
Left In: -223.489 $\pm$ 0.980 χ^2 /NDF:1266.0/21

+ sign -236.702 $\pm$ 0.902 χ^2 /NDF: 4371.7/40

All: -234.026 $\pm$ 0.638 χ^2 /NDF: 9439.4/81

- sign -231.339 $\pm$ 0.903 χ^2 /NDF: 5050.0/40

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.144 ± 1.601 χ^2/NDF : 504.6/16

Left Out: -77.607 ± 0.831 χ^2/NDF : 837.3/23

Right Out: -88.517 ± 1.435 χ^2/NDF : 968.7/18

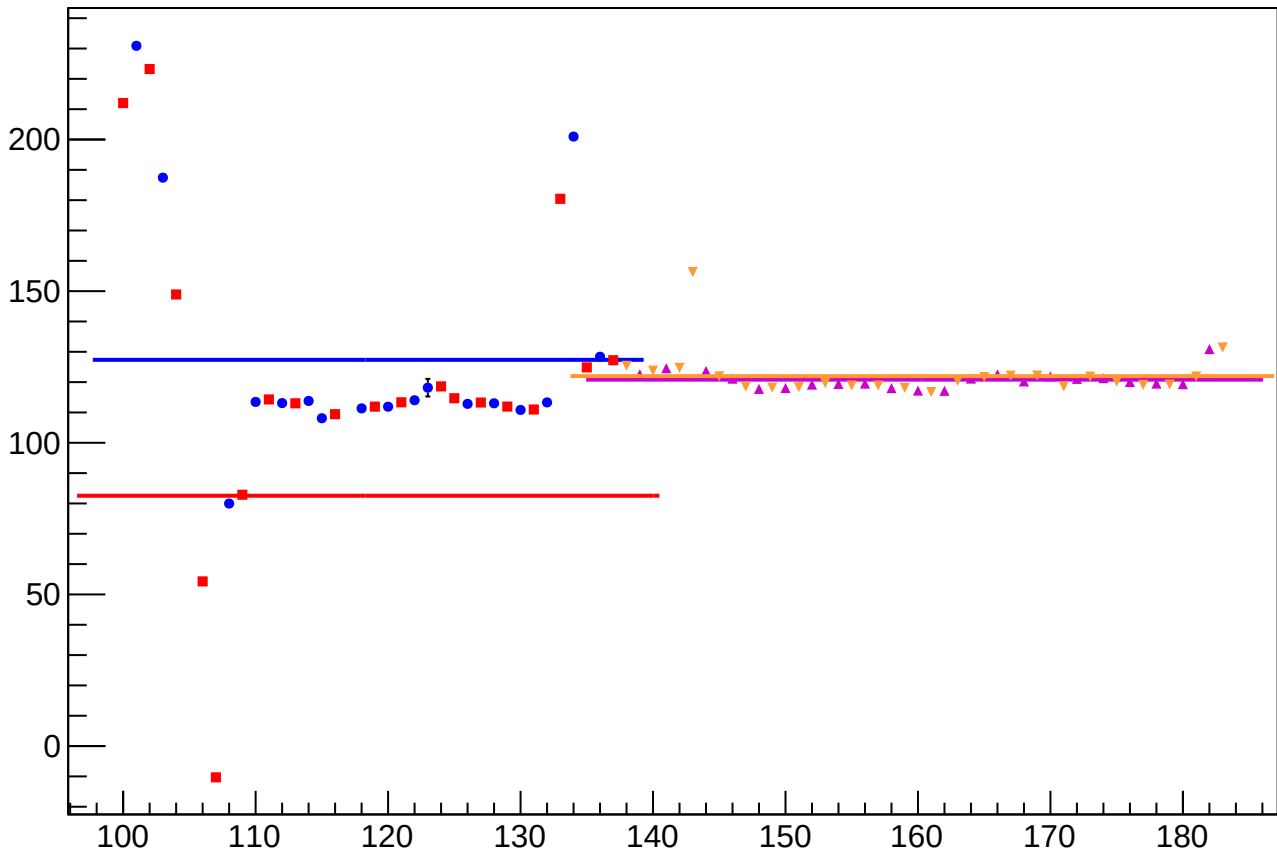
Left In: -77.551 ± 0.856 χ^2/NDF : 616.1/21

+ sign -84.730 ± 0.738 χ^2/NDF : 1687.5/40

All: -82.572 ± 0.521 χ^2/NDF : 3332.5/81

- sign -80.429 ± 0.735 χ^2/NDF : 1627.9/40

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.355 $\pm$ 0.090 χ^2 /NDF: 187728.6/16

Left Out: 121.986 $\pm$ 0.040 χ^2 /NDF: 29808.2/23

Right Out: 82.546 $\pm$ 0.075 χ^2 /NDF: 764737.8/18

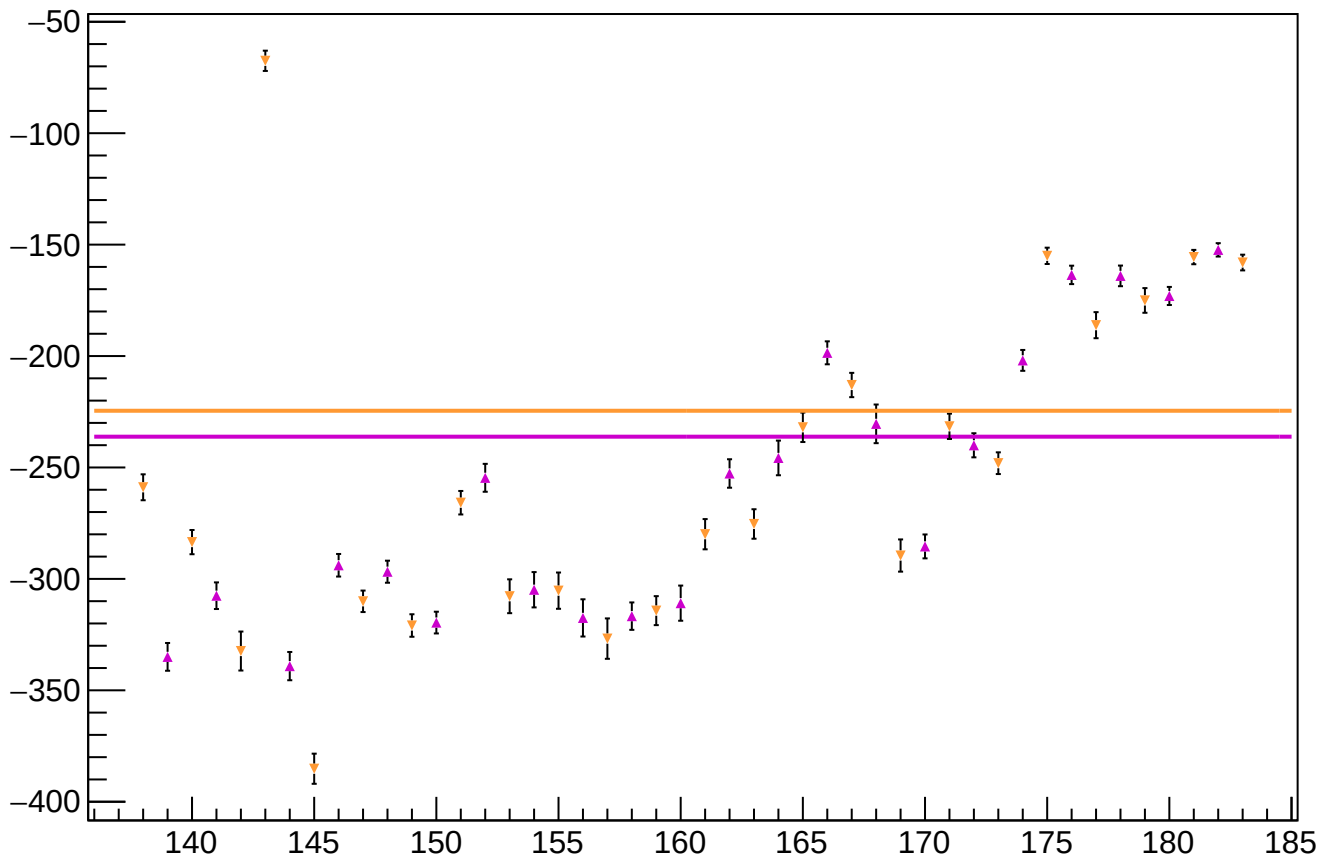
Left In: 120.824 $\pm$ 0.040 χ^2 /NDF: 6221.4/21

+ sign 122.869 $\pm$ 0.036 χ^2 /NDF: 220539.4/40

All: 117.493 $\pm$ 0.025 χ^2 /NDF: 1234943.9/81

- sign 112.381 $\pm$ 0.035 χ^2 /NDF: 971680.2/40

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -224.549+/-1.091 χ^2/NDF : 4870.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

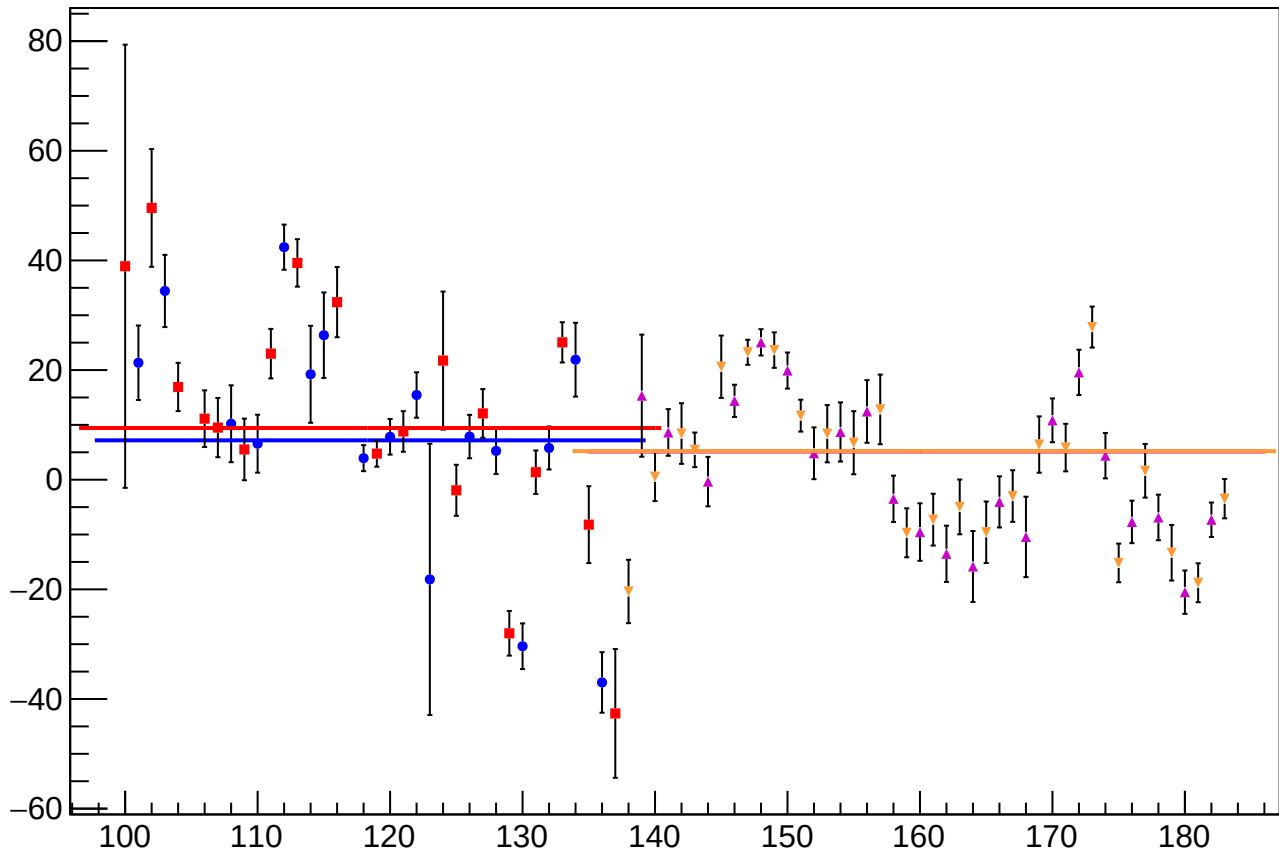
Left In: -236.183+/-1.131 χ^2/NDF : 3441.8/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -230.160+/-0.785 χ^2/NDF : 8367.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.181 ± 1.105 χ^2/NDF : 260.1/16

Left Out: 5.209 ± 0.835 χ^2/NDF : 297.9/23

Right Out: 9.427 ± 1.073 χ^2/NDF : 232.3/18

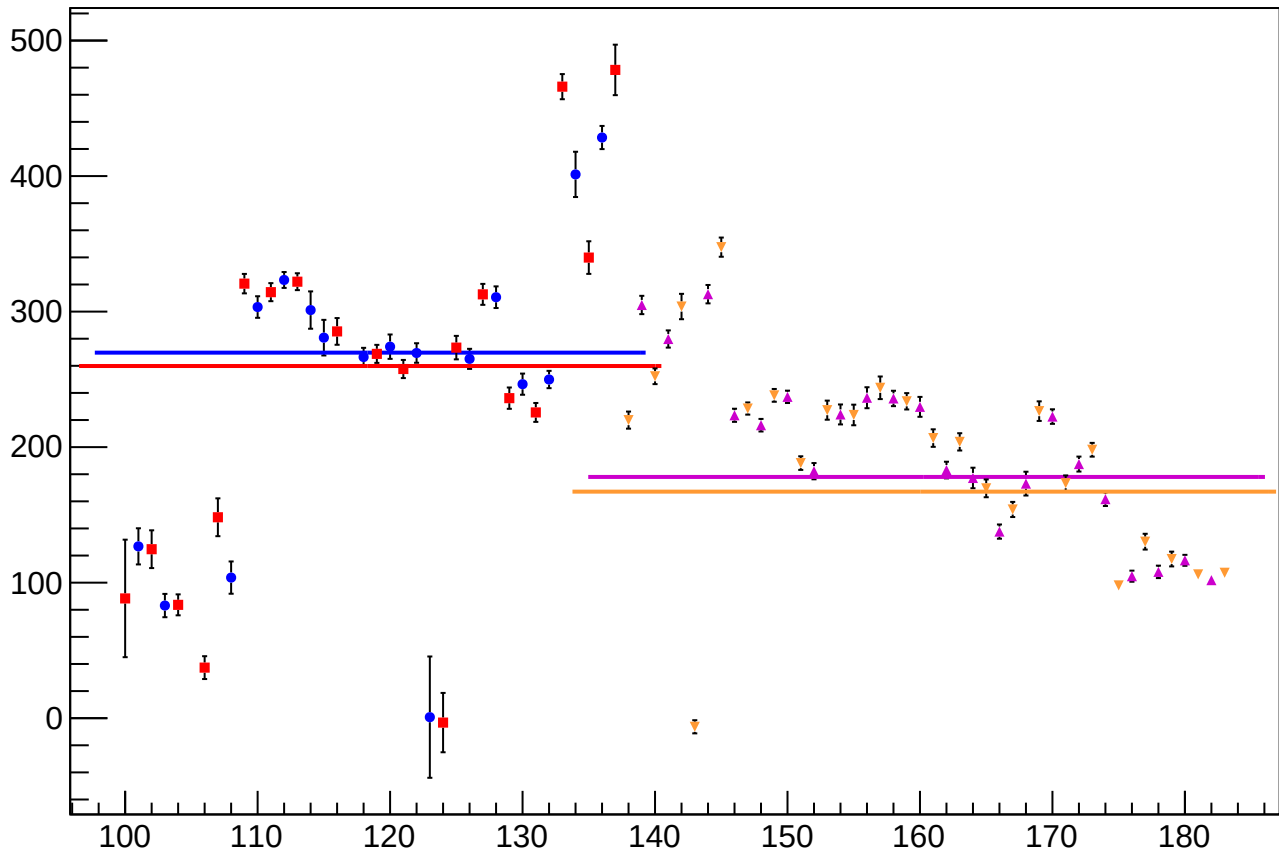
Left In: 5.141 ± 0.880 χ^2/NDF : 239.5/21

+ sign 5.925 ± 0.666 χ^2/NDF : 560.1/40

All: 6.385 ± 0.476 χ^2/NDF : 1042.3/81

- sign 6.864 ± 0.680 χ^2/NDF : 481.3/40

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.720 $\pm$ 2.094 χ^2 /NDF: 1375.9/16

Left Out: 167.164 $\pm$ 1.094 χ^2 /NDF:4453.4/23

Right Out: 259.848 $\pm$ 1.981 χ^2 /NDF: 2540.4/18

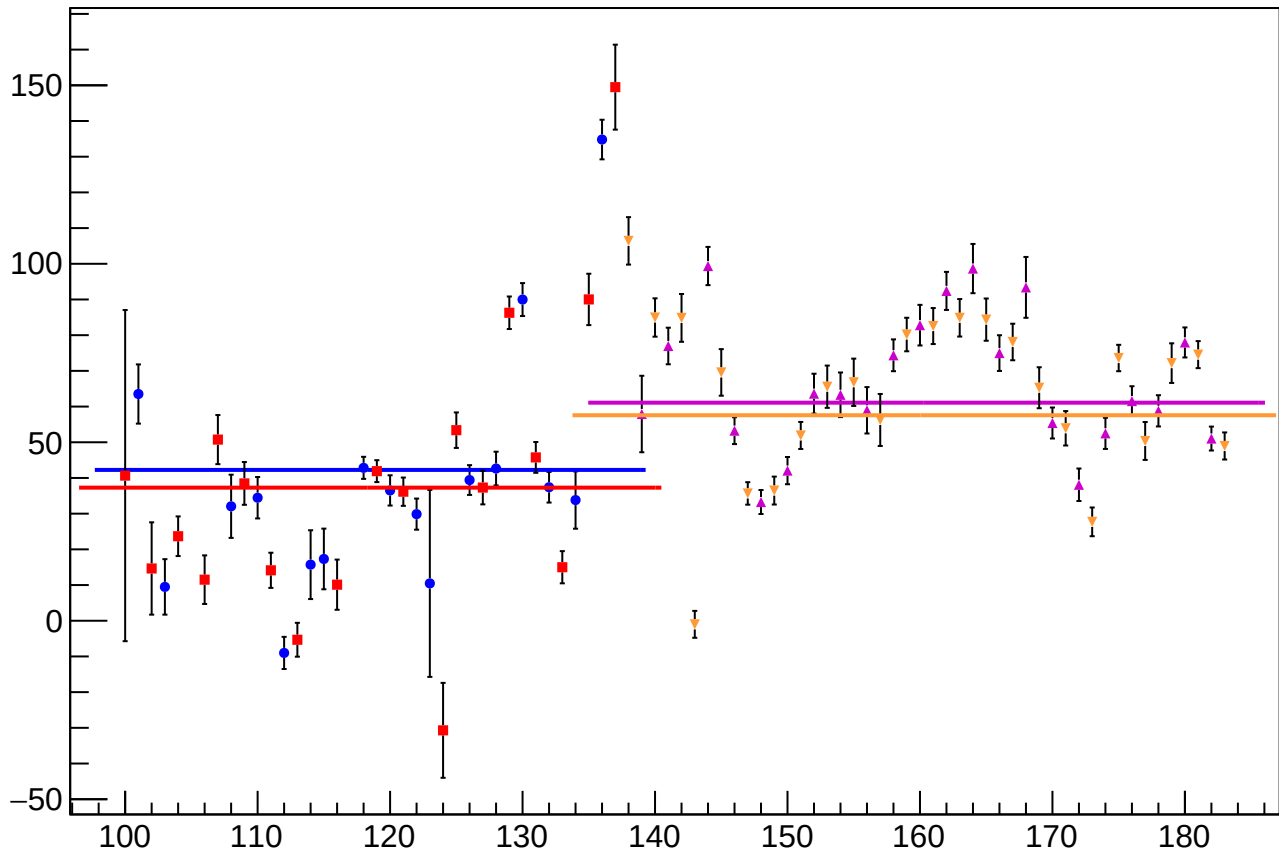
Left In: 178.008 $\pm$ 1.126 χ^2 /NDF:3102.8/21

+ sign 189.148 $\pm$ 0.970 χ^2 /NDF: 7713.7/40

All: 193.530 $\pm$ 0.689 χ^2 /NDF: 14688.5/81

- sign 197.996 $\pm$ 0.979 χ^2 /NDF: 6933.5/40

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.255 $\pm$ 1.277 χ^2 /NDF: 573.1/16

Left Out: 57.574 $\pm$ 0.961 χ^2 /NDF: 646.8/23

Right Out: 37.288 $\pm$ 1.237 χ^2 /NDF: 470.5/18

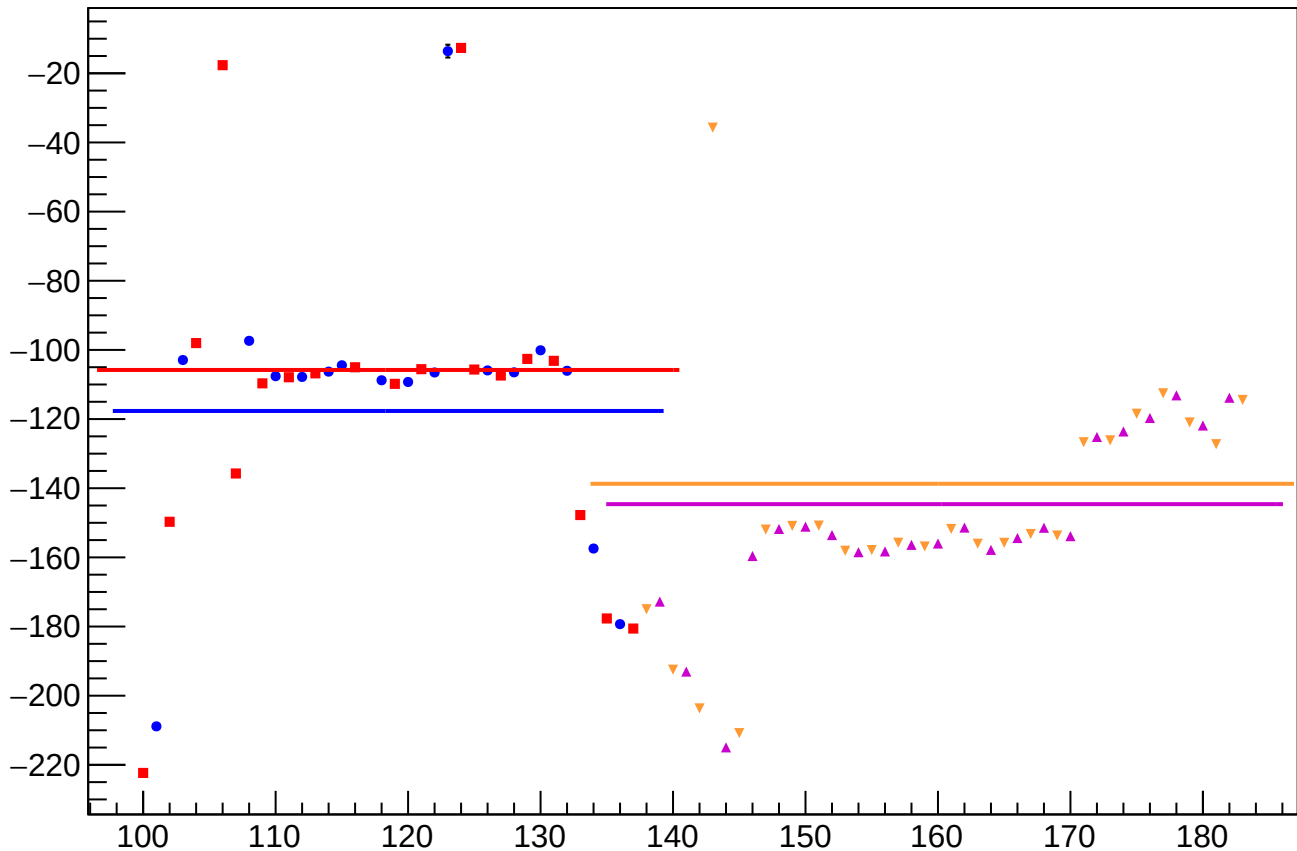
Left In: 61.092 $\pm$ 1.004 χ^2 /NDF: 325.3/21

+ sign 52.033 $\pm$ 0.768 χ^2 /NDF: 1311.8/40

All: 51.838 $\pm$ 0.547 χ^2 /NDF: 2330.9/81

- sign 51.636 $\pm$ 0.780 χ^2 /NDF: 1019.1/40

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.654+/-0.079 χ^2/NDF : 141832.7/16

Left Out: -138.716+/-0.046 χ^2/NDF : 557259.6/23

Right Out: -105.797+/-0.073 χ^2/NDF : 323120.4/18

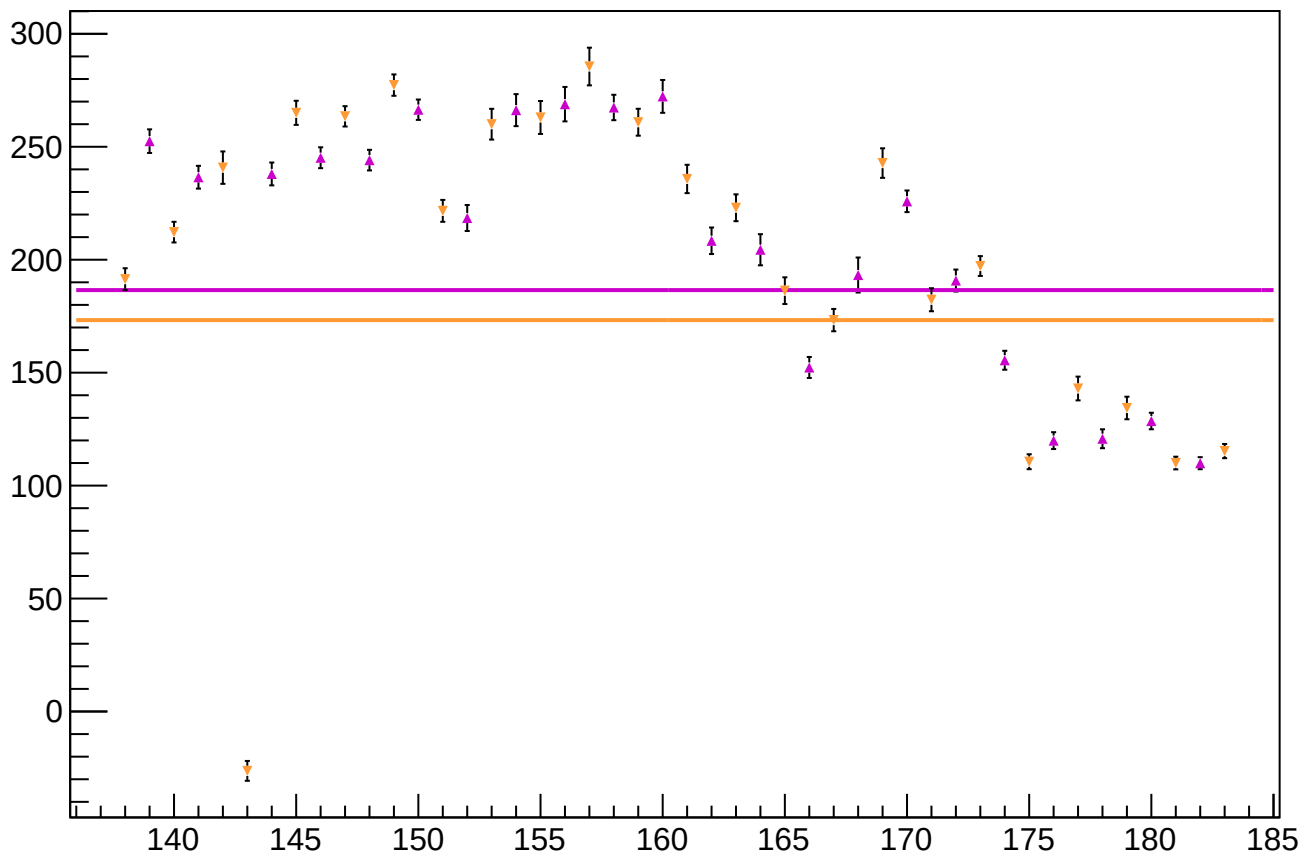
Left In: -144.606+/-0.047 χ^2/NDF : 247544.7/21

+ sign -133.387+/-0.040 χ^2/NDF : 752650.1/40

All: -133.326+/-0.028 χ^2/NDF : 1523850.2/81

- sign -133.265+/-0.039 χ^2/NDF : 771195.3/40

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 173.264+/-0.977 χ^2/NDF : 5845.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

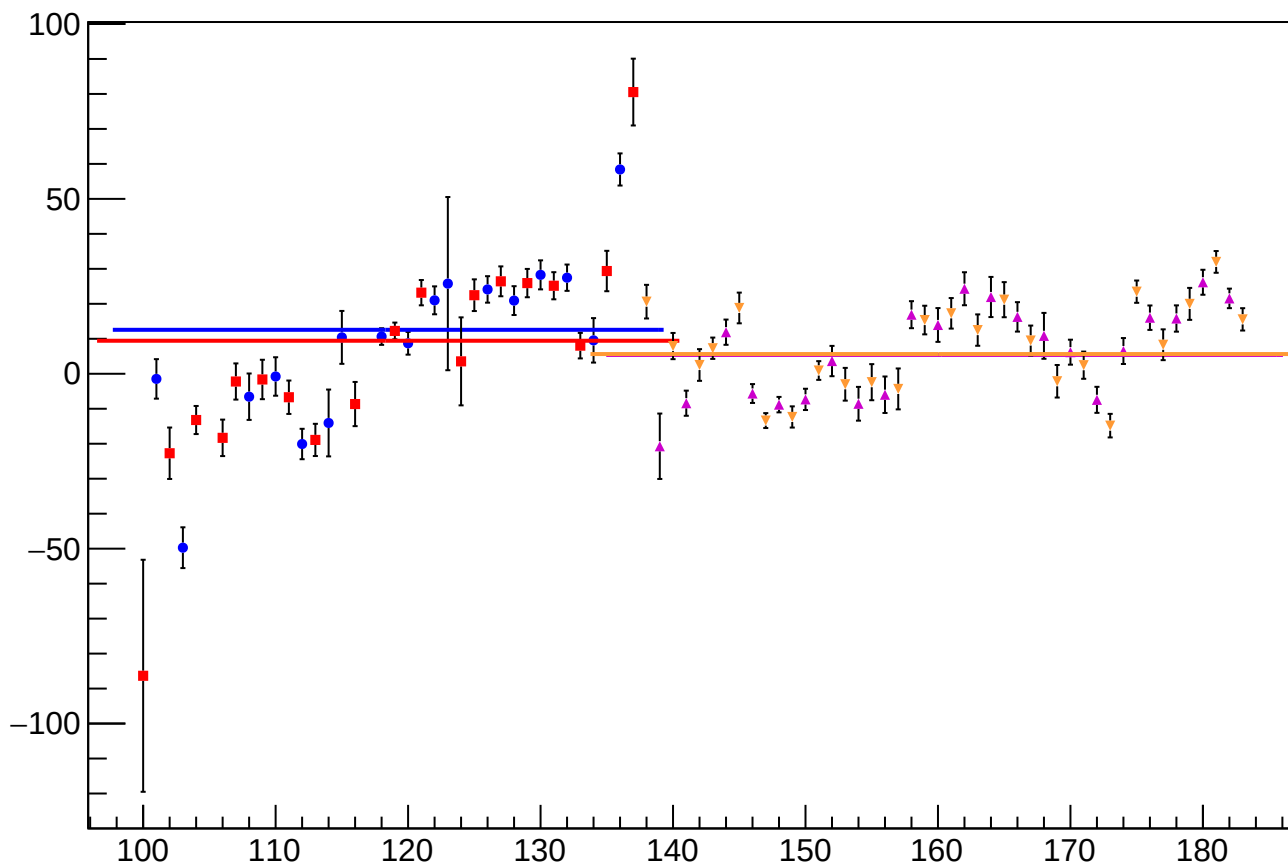
Left In: 186.553+/-1.012 χ^2/NDF : 3454.8/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 179.675+/-0.703 χ^2/NDF : 9390.1/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.569 ± 1.076 χ^2/NDF : 348.8/16

Left Out: 5.637 ± 0.754 χ^2/NDF : 335.4/23

Right Out: 9.442 ± 1.049 χ^2/NDF : 294.8/18

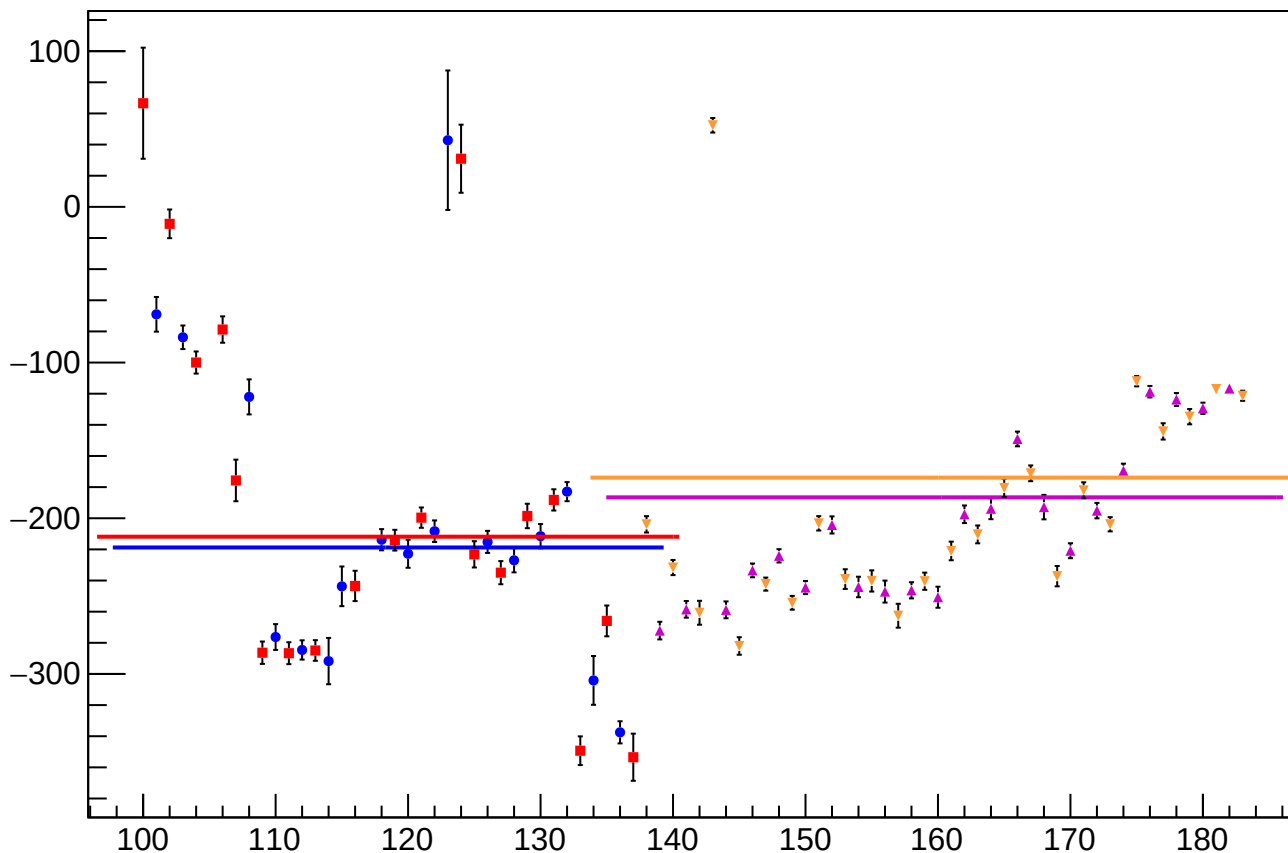
Left In: 5.375 ± 0.791 χ^2/NDF : 254.9/21

+ sign 7.919 ± 0.617 χ^2/NDF : 712.1/40

All: 7.397 ± 0.442 χ^2/NDF : 1272.8/81

- sign 6.850 ± 0.632 χ^2/NDF : 559.3/40

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.764 ± 2.027 $\chi^2/\text{NDF}: 1144.2/16$

Left Out: -173.912 ± 0.981 $\chi^2/\text{NDF}: 5442.2/23$

Right Out: -211.849 ± 1.927 $\chi^2/\text{NDF}: 1884.6/18$

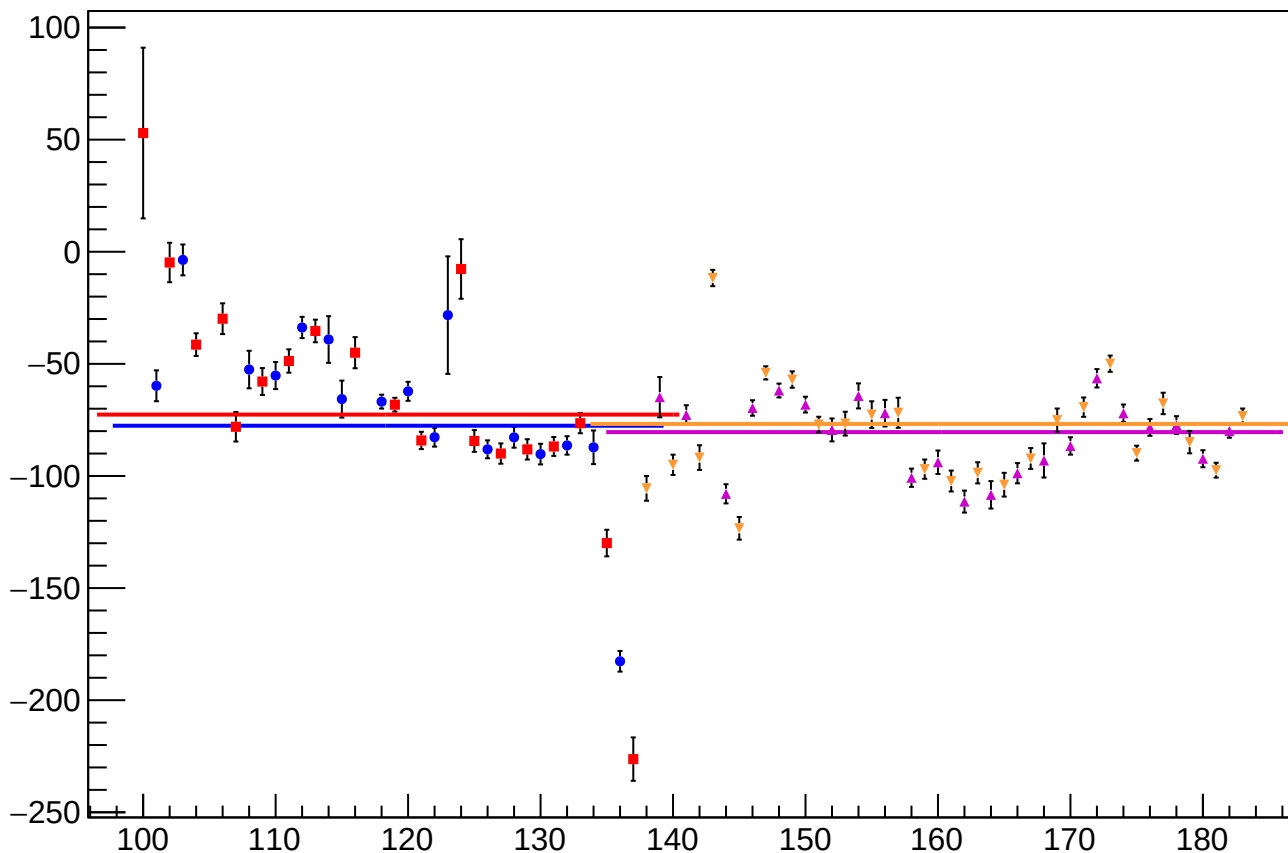
Left In: -186.567 ± 1.010 $\chi^2/\text{NDF}: 2934.1/21$

+ sign -182.426 ± 0.883 $\chi^2/\text{NDF}: 6983.1/40$

All: -187.158 ± 0.628 $\chi^2/\text{NDF}: 11995.0/81$

- sign -192.010 ± 0.894 $\chi^2/\text{NDF}: 4953.7/40$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.591 ± 1.239 χ^2/NDF : 816.4/16

Left Out: -76.800 ± 0.866 χ^2/NDF : 775.0/23

Right Out: -72.629 ± 1.209 χ^2/NDF : 670.2/18

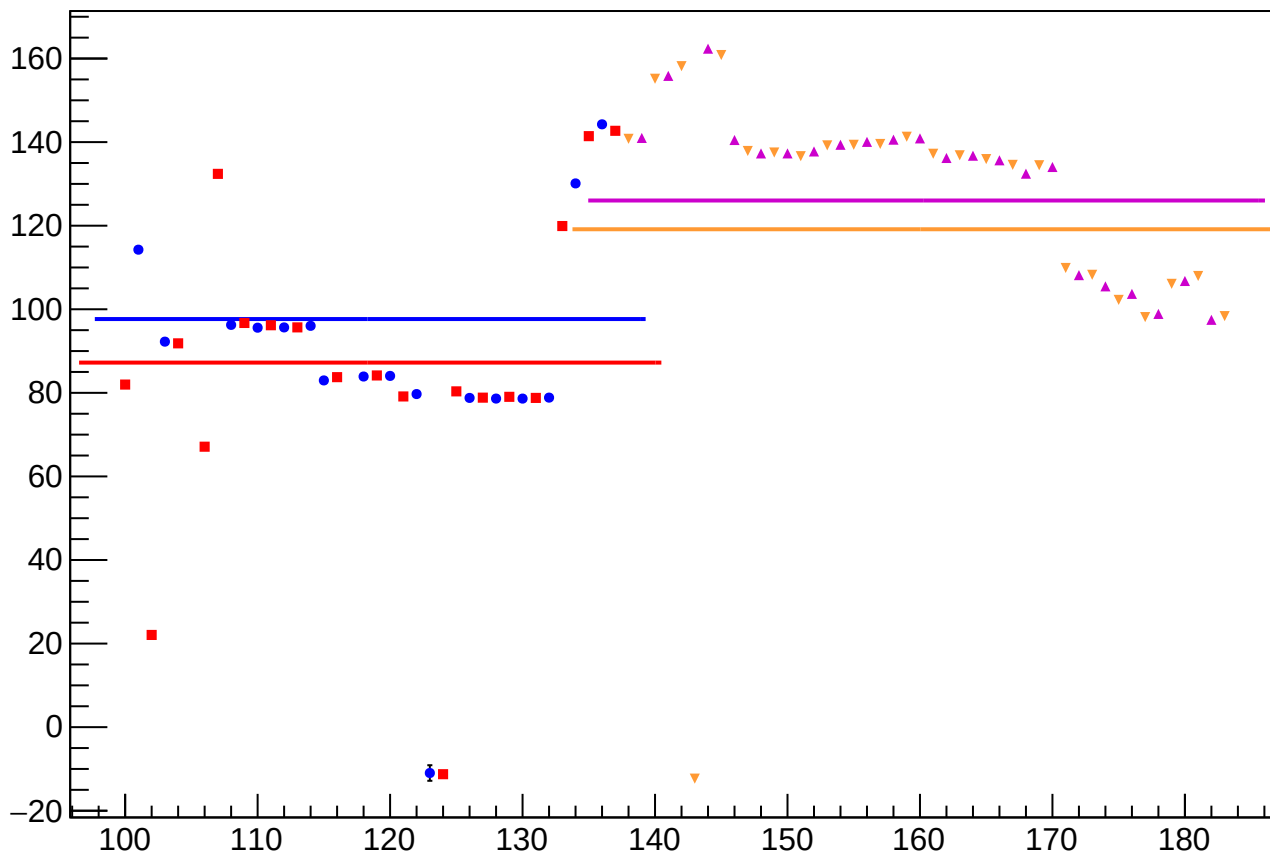
Left In: -80.436 ± 0.902 χ^2/NDF : 279.8/21

+ sign -77.060 ± 0.710 χ^2/NDF : 1591.7/40

All: -77.345 ± 0.506 χ^2/NDF : 2568.8/81

- sign -77.642 ± 0.723 χ^2/NDF : 976.8/40

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.659 $\pm$ 0.074 χ^2 /NDF: 93912.8/16

Left Out: 119.145 $\pm$ 0.041 χ^2 /NDF: 721782.9/23

Right Out: 87.239 $\pm$ 0.068 χ^2 /NDF: 220840.5/18

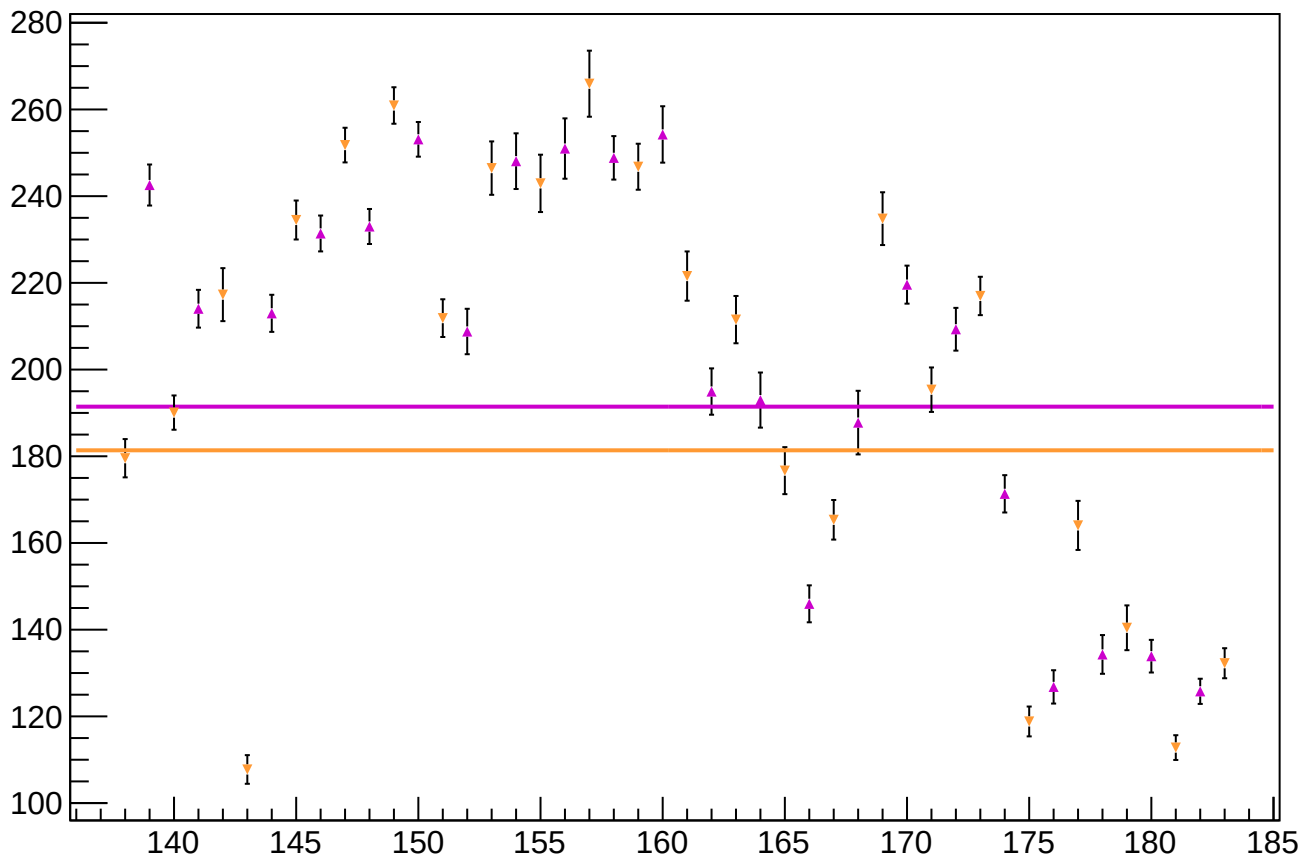
Left In: 126.027 $\pm$ 0.042 χ^2 /NDF: 207460.5/21

+ sign 114.064 $\pm$ 0.036 χ^2 /NDF: 880381.8/40

All: 114.735 $\pm$ 0.025 χ^2 /NDF: 1543188.8/81

- sign 115.401 $\pm$ 0.036 χ^2 /NDF: 662111.3/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 181.374+/-0.921 χ^2/NDF : 3287.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

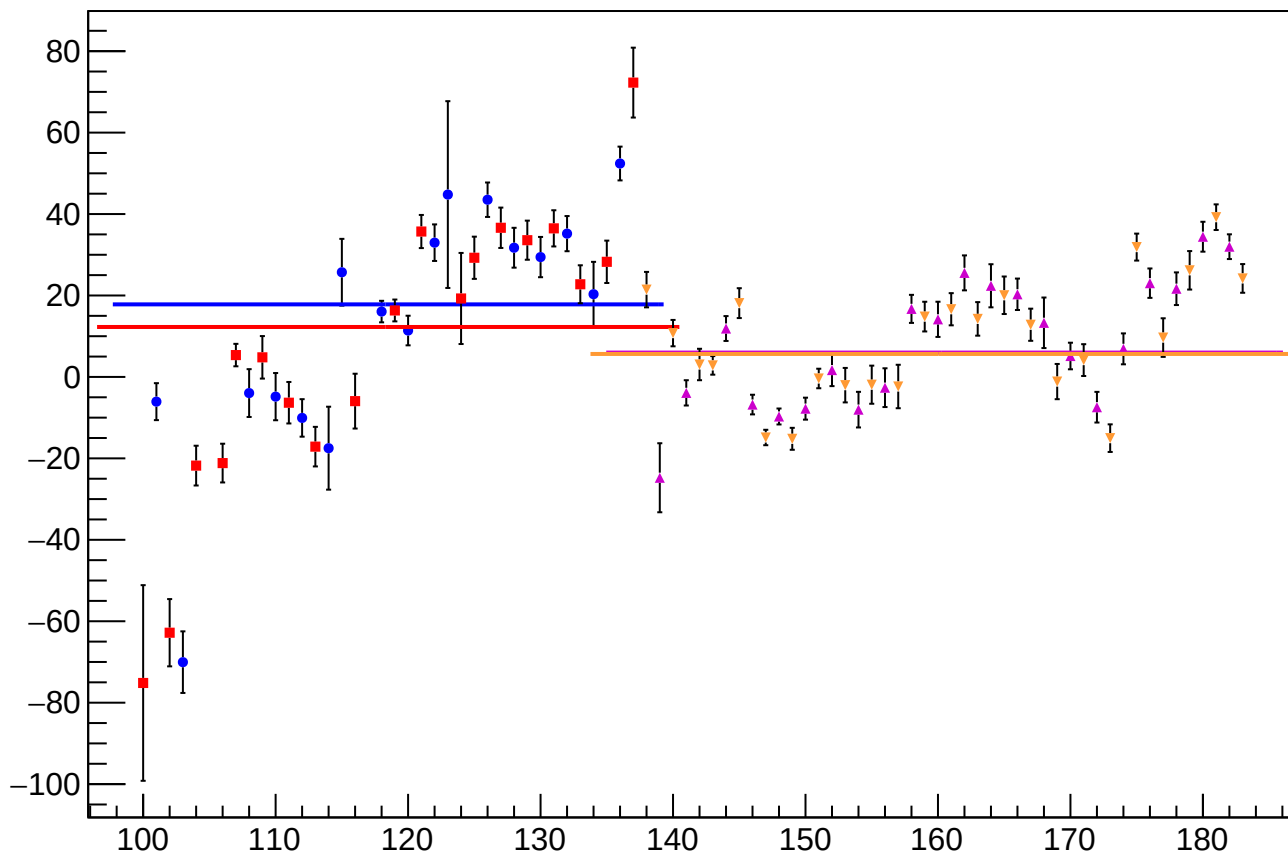
Left In: 191.444+/-0.969 χ^2/NDF : 2373.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 186.157+/-0.668 χ^2/NDF : 5718.0/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.818 $\pm$ 1.168 χ^2/NDF : 394.0/16

Left Out: 5.642 $\pm$ 0.692 χ^2/NDF :516.0/23

Right Out: 12.267 $\pm$ 1.085 χ^2/NDF : 443.0/18

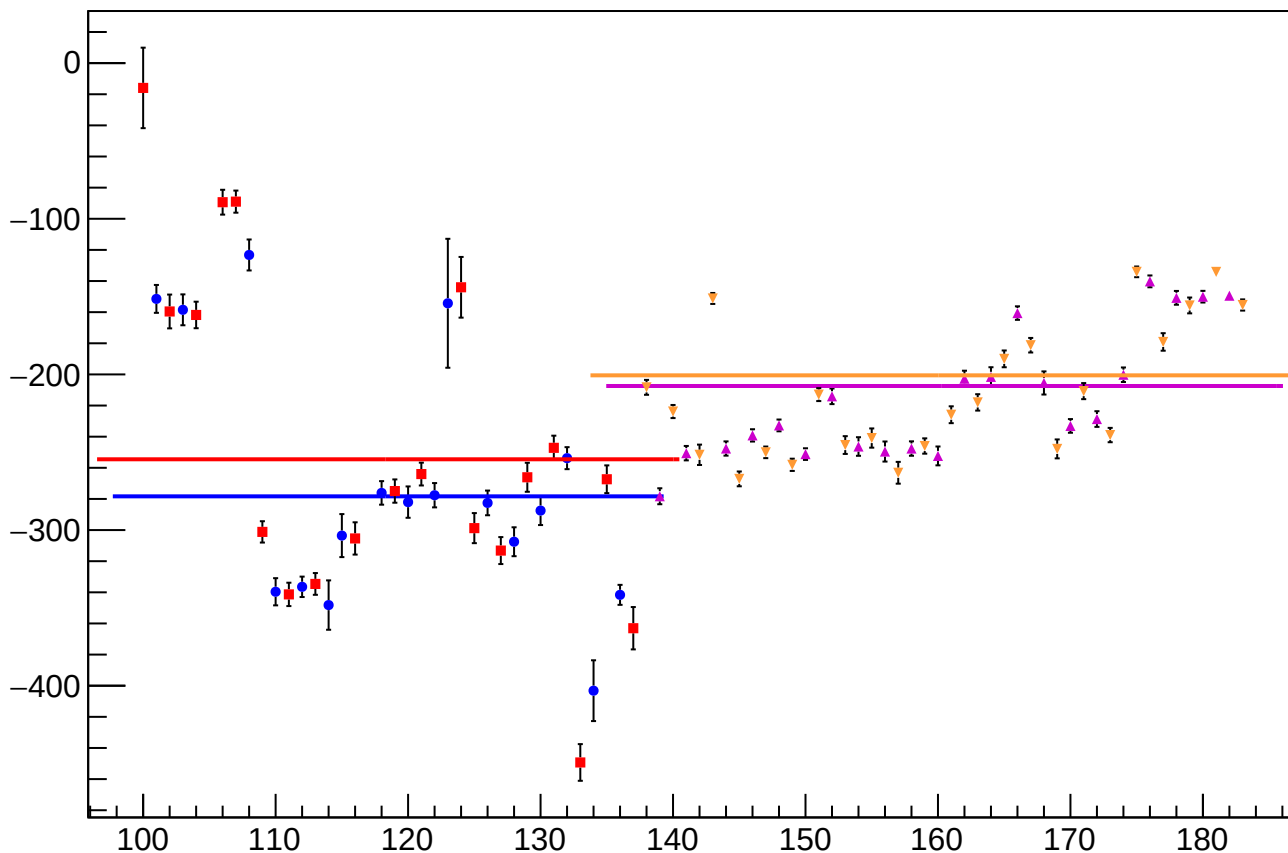
Left In: 5.981 $\pm$ 0.739 χ^2/NDF :402.7/21

+ sign 8.806 $\pm$ 0.596 χ^2/NDF : 990.5/40

All: 8.400 $\pm$ 0.426 χ^2/NDF : 1860.1/81

- sign 7.973 $\pm$ 0.611 χ^2/NDF : 868.7/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.336 $\pm$ 2.190 χ^2 /NDF: 910.1/16

Left Out: -200.589 $\pm$ 0.925 χ^2 /NDF:2465.7/23

Right Out: -254.529 $\pm$ 2.023 χ^2 /NDF: 2036.7/18

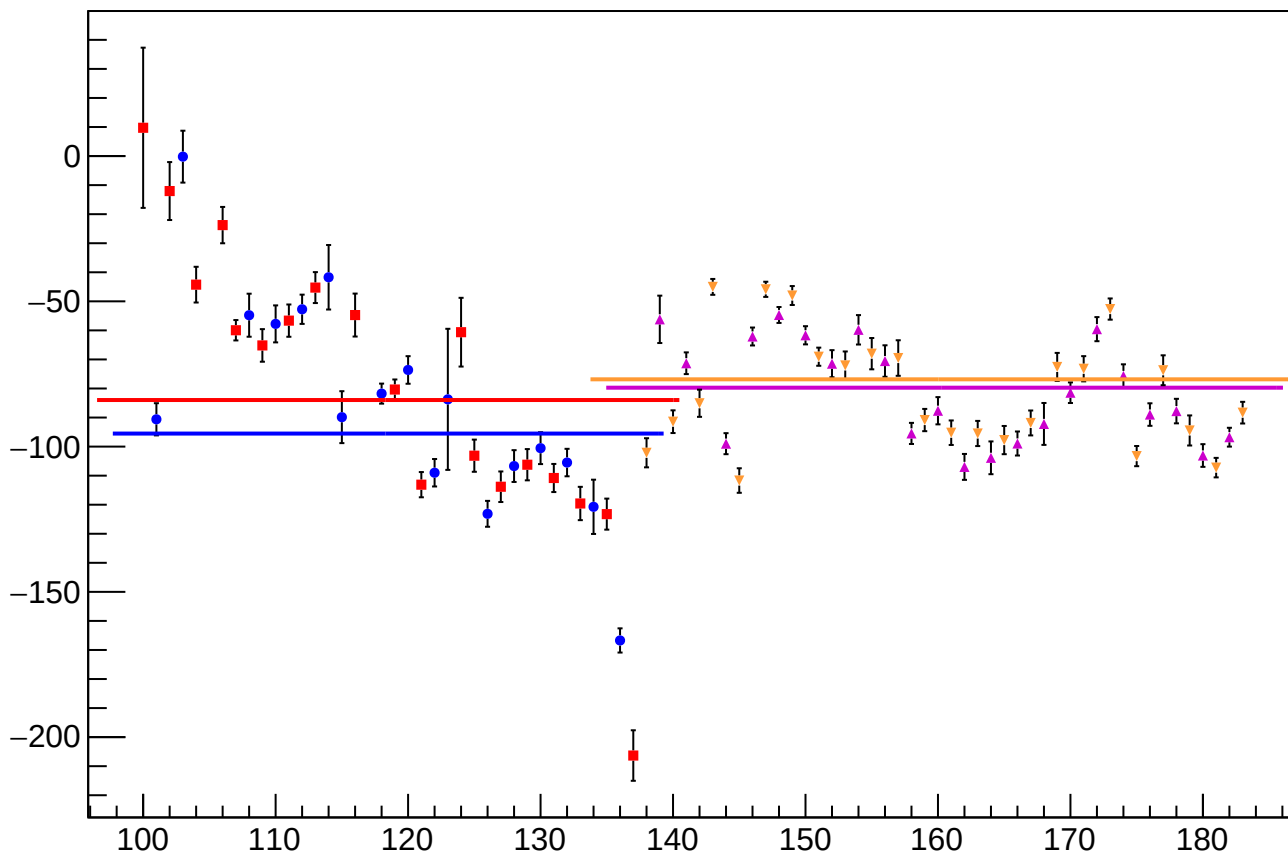
Left In: -207.437 $\pm$ 0.964 χ^2 /NDF:2070.4/21

+ sign -212.365 $\pm$ 0.852 χ^2 /NDF: 4445.7/40

All: -214.217 $\pm$ 0.609 χ^2 /NDF: 9004.0/81

- sign -216.148 $\pm$ 0.870 χ^2 /NDF: 4548.7/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.515 ± 1.344 χ^2/NDF : 669.2/16

Left Out: -76.844 ± 0.802 χ^2/NDF : 765.2/23

Right Out: -83.971 ± 1.259 χ^2/NDF : 781.5/18

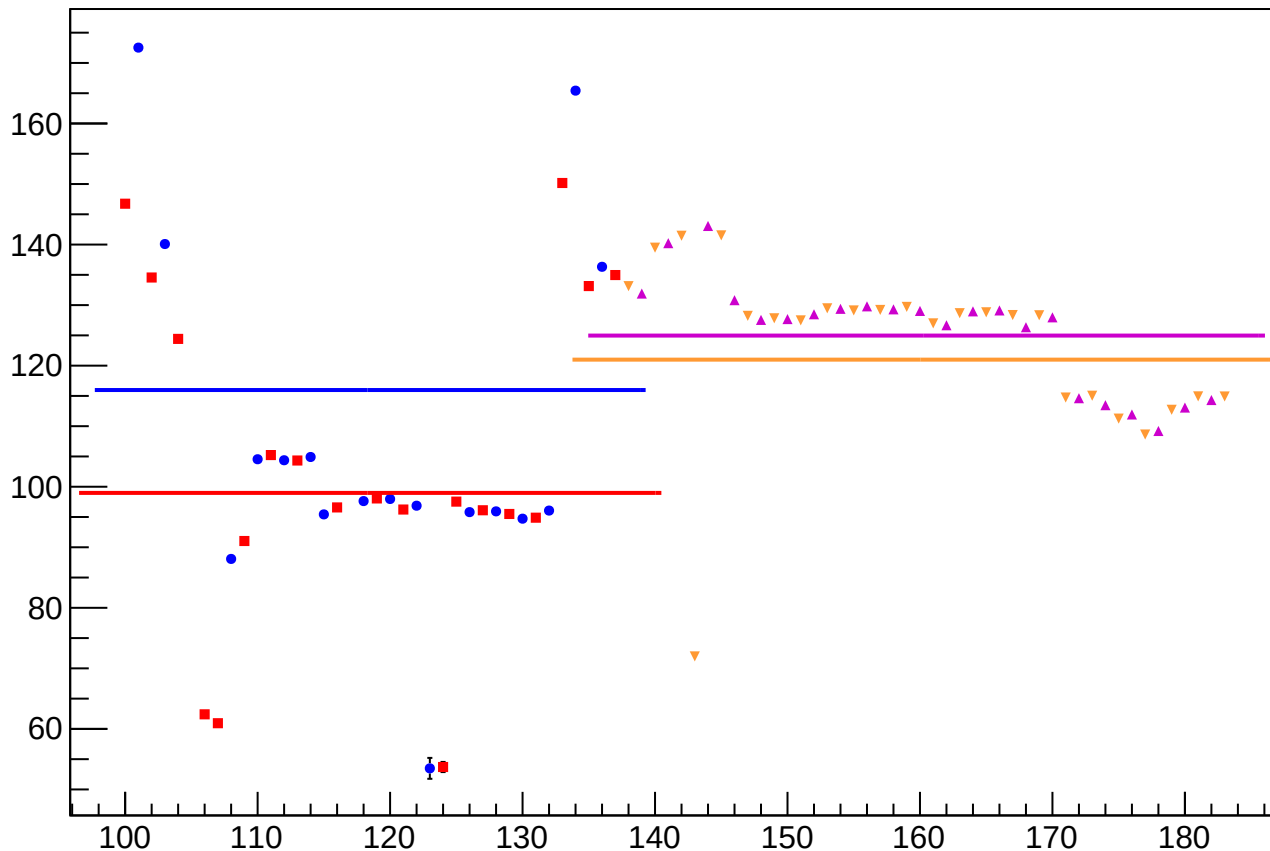
Left In: -79.724 ± 0.849 χ^2/NDF : 412.0/21

+ sign -81.753 ± 0.689 χ^2/NDF : 1576.7/40

All: -81.410 ± 0.492 χ^2/NDF : 2778.5/81

- sign -81.053 ± 0.704 χ^2/NDF : 1201.3/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.974 $\pm$ 0.079 χ^2 /NDF: 105656.7/16

Left Out: 120.993 $\pm$ 0.038 χ^2 /NDF:182149.9/23

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172977.7/18

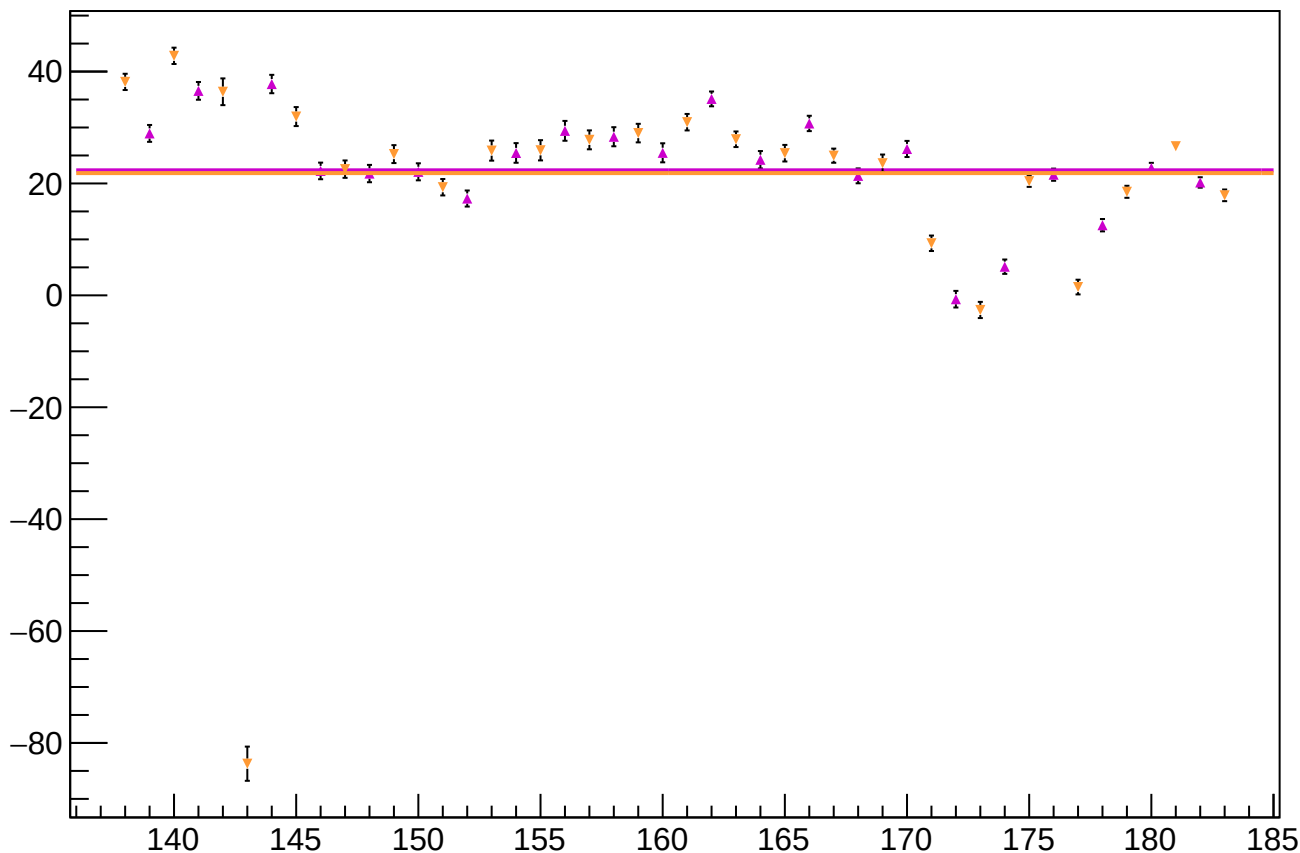
Left In: 124.968 $\pm$ 0.040 χ^2 /NDF:49994.8/21

+ sign 120.022 $\pm$ 0.035 χ^2 /NDF: 291101.2/40

All: 119.225 $\pm$ 0.024 χ^2 /NDF: 622511.8/81

- sign 118.435 $\pm$ 0.034 χ^2 /NDF: 330350.8/40

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 21.850 $\pm$ 0.285 χ^2 /NDF:2382.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

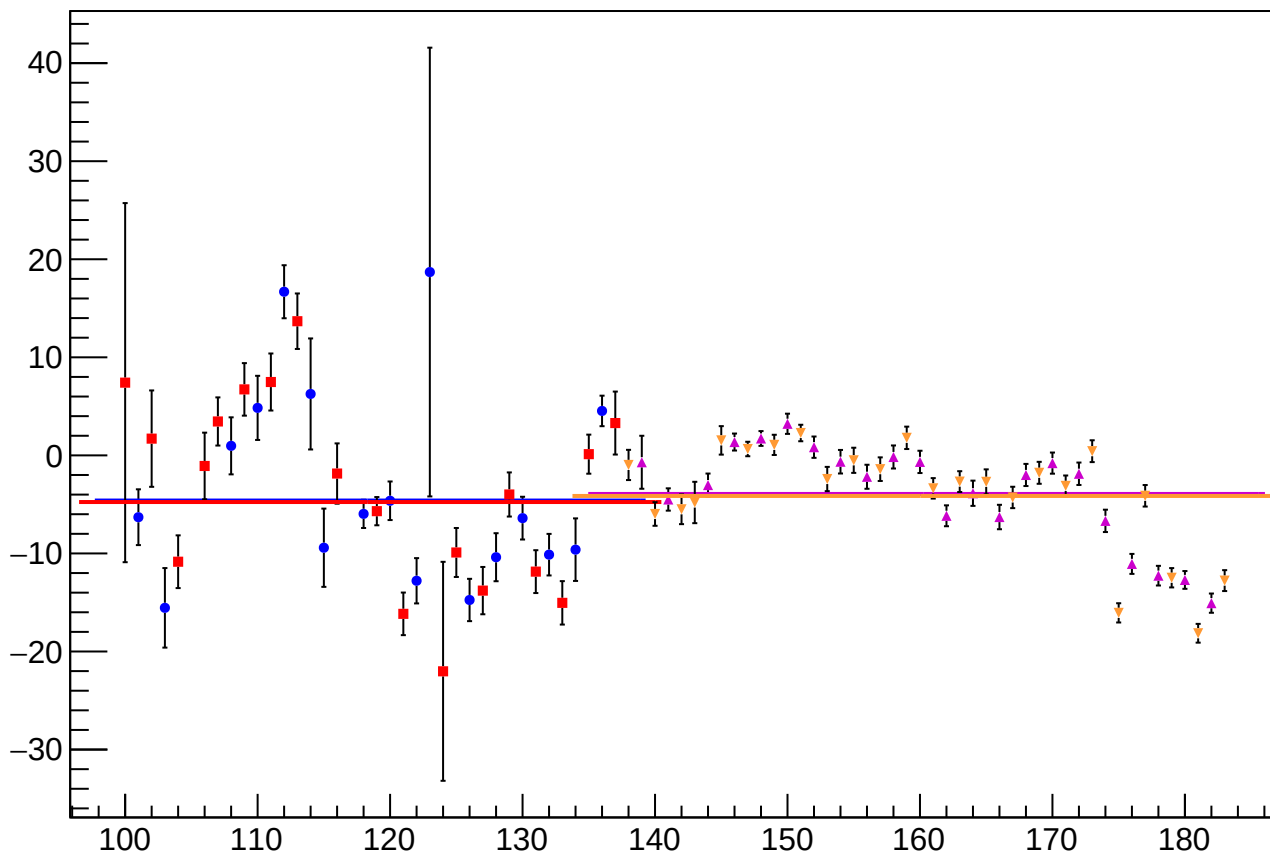
Left In: 22.344 $\pm$ 0.289 χ^2 /NDF:879.6/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 22.093 $\pm$ 0.203 χ^2 /NDF: 3263.3/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.606 ± 0.589 χ^2/NDF : 173.4/16

Left Out: -4.138 ± 0.225 χ^2/NDF : 715.4/23

Right Out: -4.758 ± 0.585 χ^2/NDF : 192.3/18

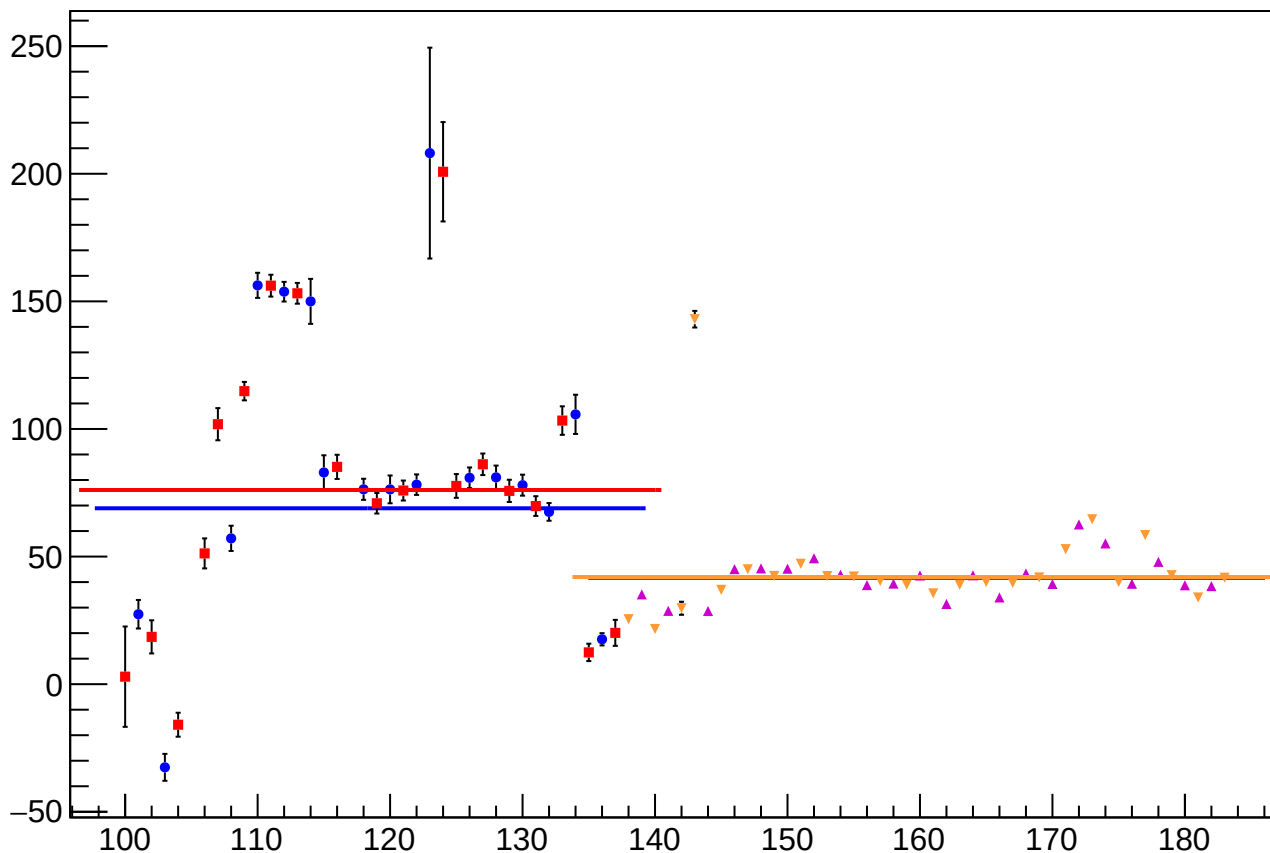
Left In: -3.934 ± 0.230 χ^2/NDF : 560.5/21

+ sign -4.198 ± 0.210 χ^2/NDF : 889.3/40

All: -4.123 ± 0.150 χ^2/NDF : 1644.1/81

- sign -4.045 ± 0.214 χ^2/NDF : 754.5/40

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 68.921 ± 1.086 χ^2/NDF : 1844.0/16

Left Out: 41.990 ± 0.284 χ^2/NDF : 1855.6/23

Right Out: 76.086 ± 1.072 χ^2/NDF : 1881.7/18

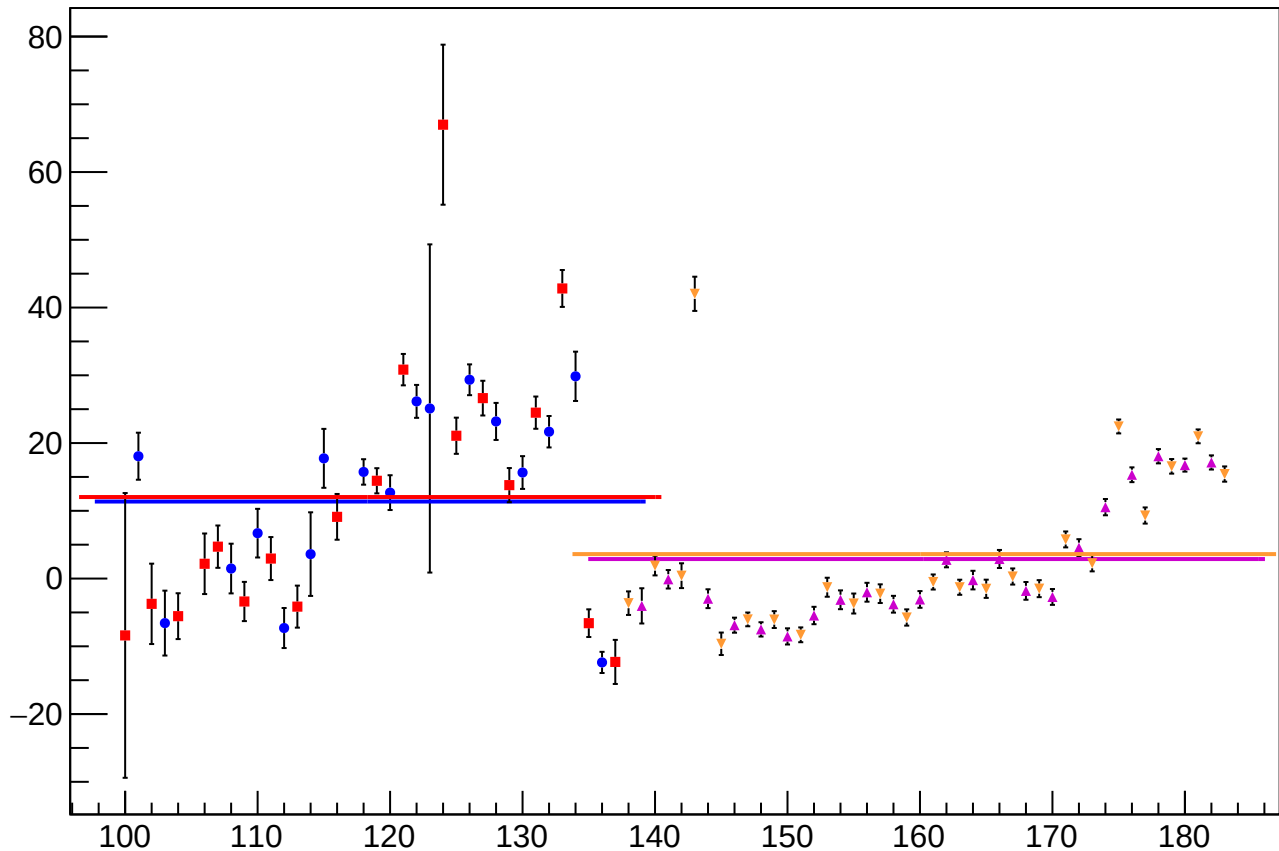
Left In: 41.615 ± 0.288 χ^2/NDF : 627.1/21

+ sign 43.718 ± 0.275 χ^2/NDF : 4275.4/40

All: 43.824 ± 0.195 χ^2/NDF : 7749.2/81

- sign 43.932 ± 0.278 χ^2/NDF : 3473.6/40

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.369 $\pm$ 0.667 χ^2 /NDF: 474.4/16

Left Out: 3.610 $\pm$ 0.254 χ^2 /NDF:1680.4/23

Right Out: 12.033 $\pm$ 0.665 χ^2 /NDF: 537.8/18

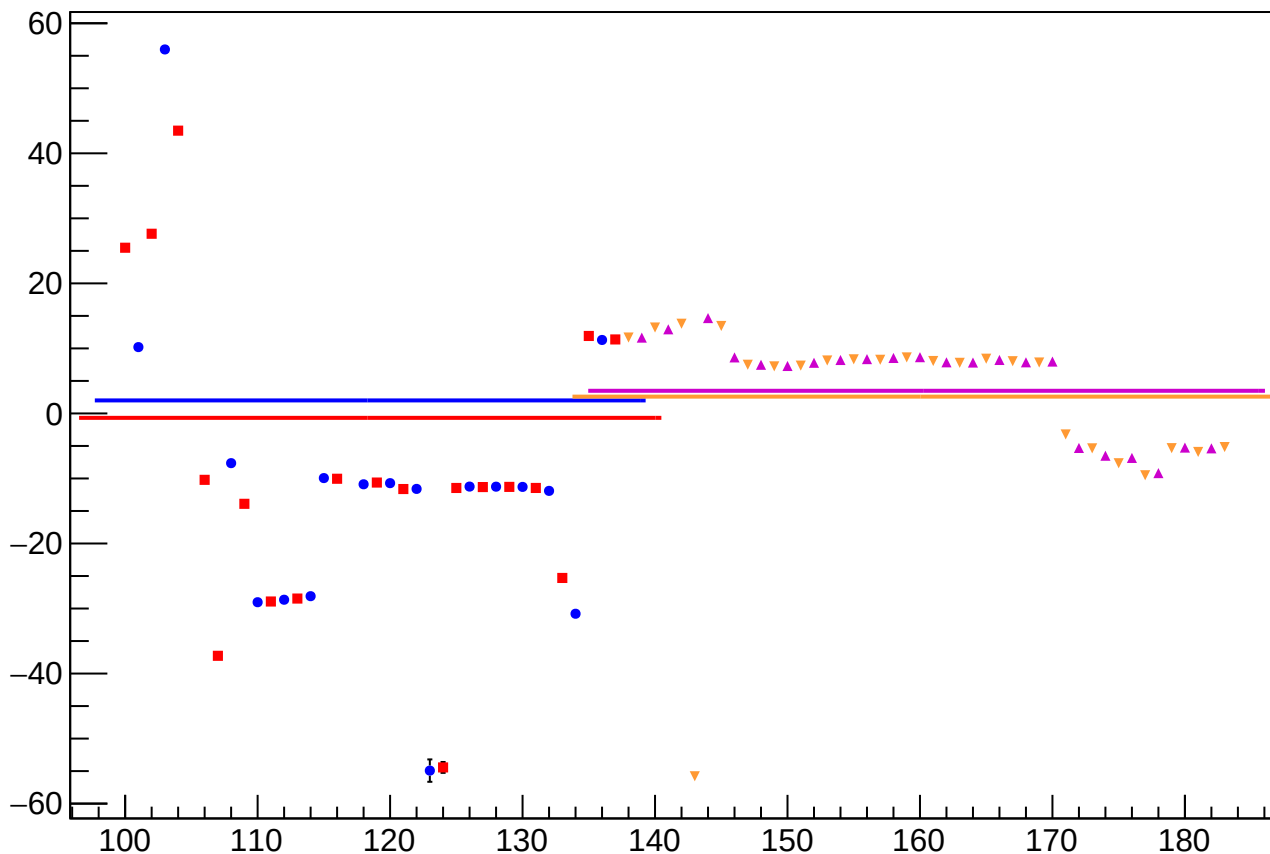
Left In: 2.879 $\pm$ 0.260 χ^2 /NDF:1234.4/21

+ sign 4.596 $\pm$ 0.238 χ^2 /NDF: 2272.9/40

All: 4.346 $\pm$ 0.169 χ^2 /NDF: 4211.7/81

- sign 4.089 $\pm$ 0.242 χ^2 /NDF: 1936.5/40

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.002 $\pm$ 0.037 χ^2/NDF : 357872.4/16

Left Out: -2.585 $\pm$ 0.012 χ^2/NDF : 607883.5/23

Right Out: -0.678 $\pm$ 0.037 χ^2/NDF : 360956.7/18

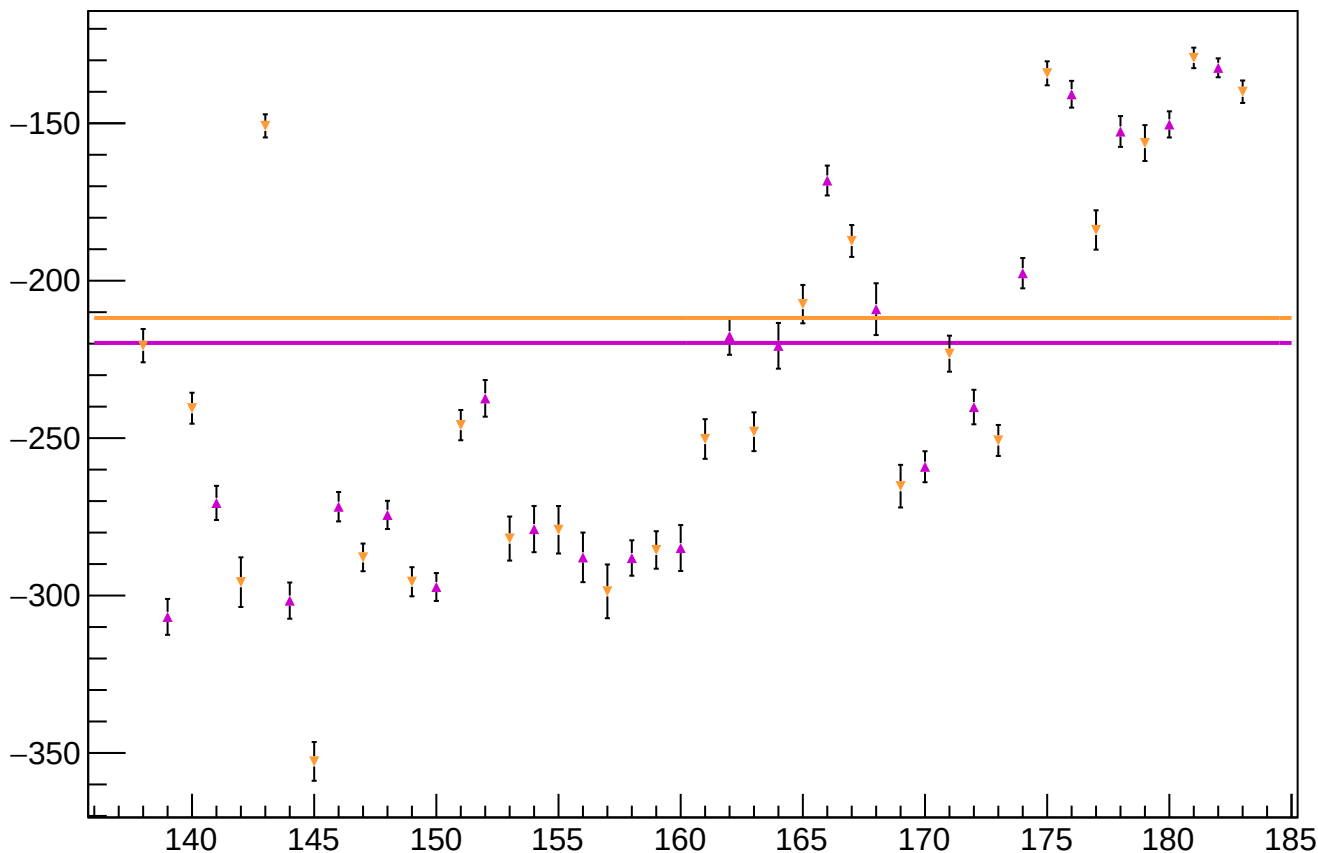
Left In: 3.483 $\pm$ 0.012 χ^2/NDF : 392138.5/21

+ sign 2.532 $\pm$ 0.011 χ^2/NDF : 965979.0/40

All: 2.816 $\pm$ 0.008 χ^2/NDF : 1731765.6/81

- sign 3.103 $\pm$ 0.011 χ^2/NDF : 764486.8/40

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -211.831+/-1.040 χ^2/NDF : 3868.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

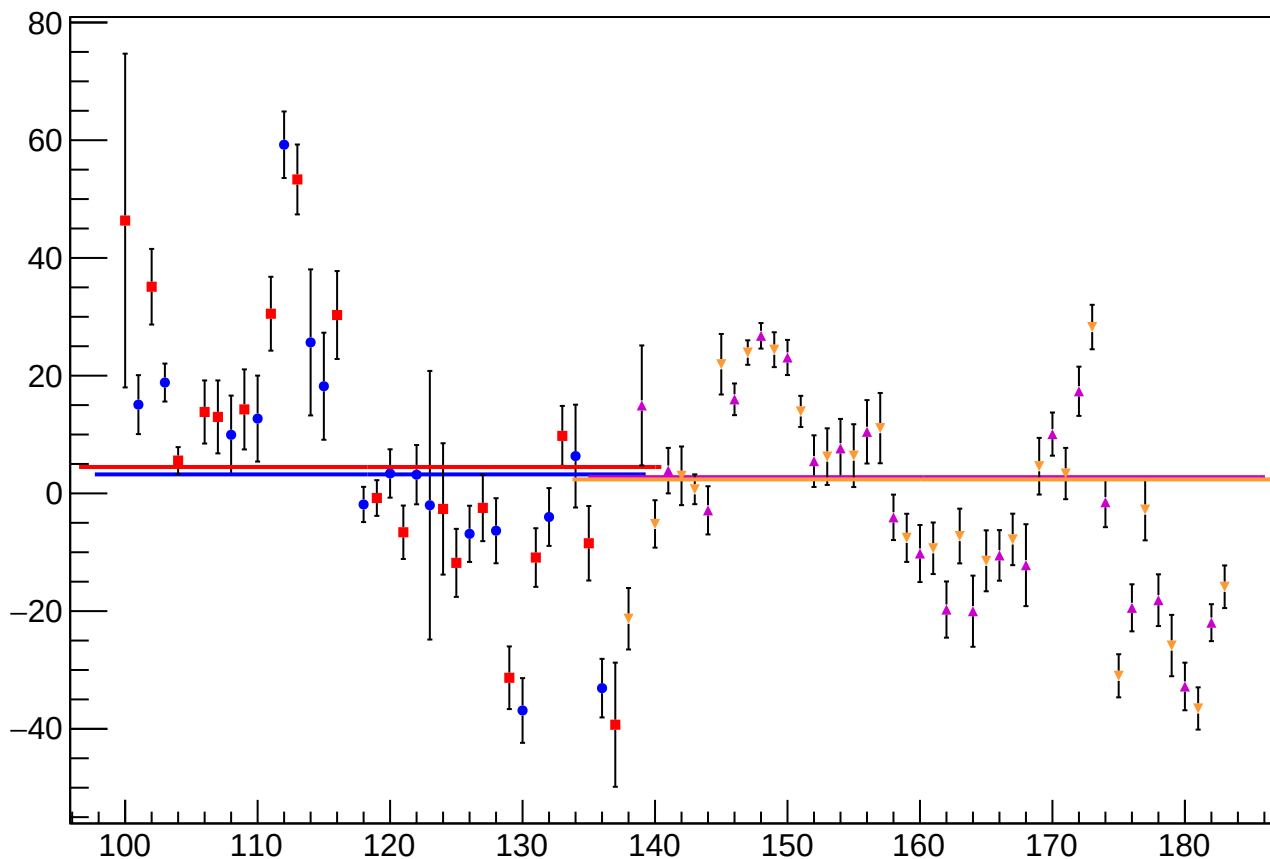
Left In: -219.768+/-1.087 χ^2/NDF : 3357.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -215.625+/-0.751 χ^2/NDF : 7253.2/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.227 ± 1.246 χ^2/NDF : 255.1/16

Left Out: 2.377 ± 0.780 χ^2/NDF : 557.2/23

Right Out: 4.485 ± 1.158 χ^2/NDF : 225.1/18

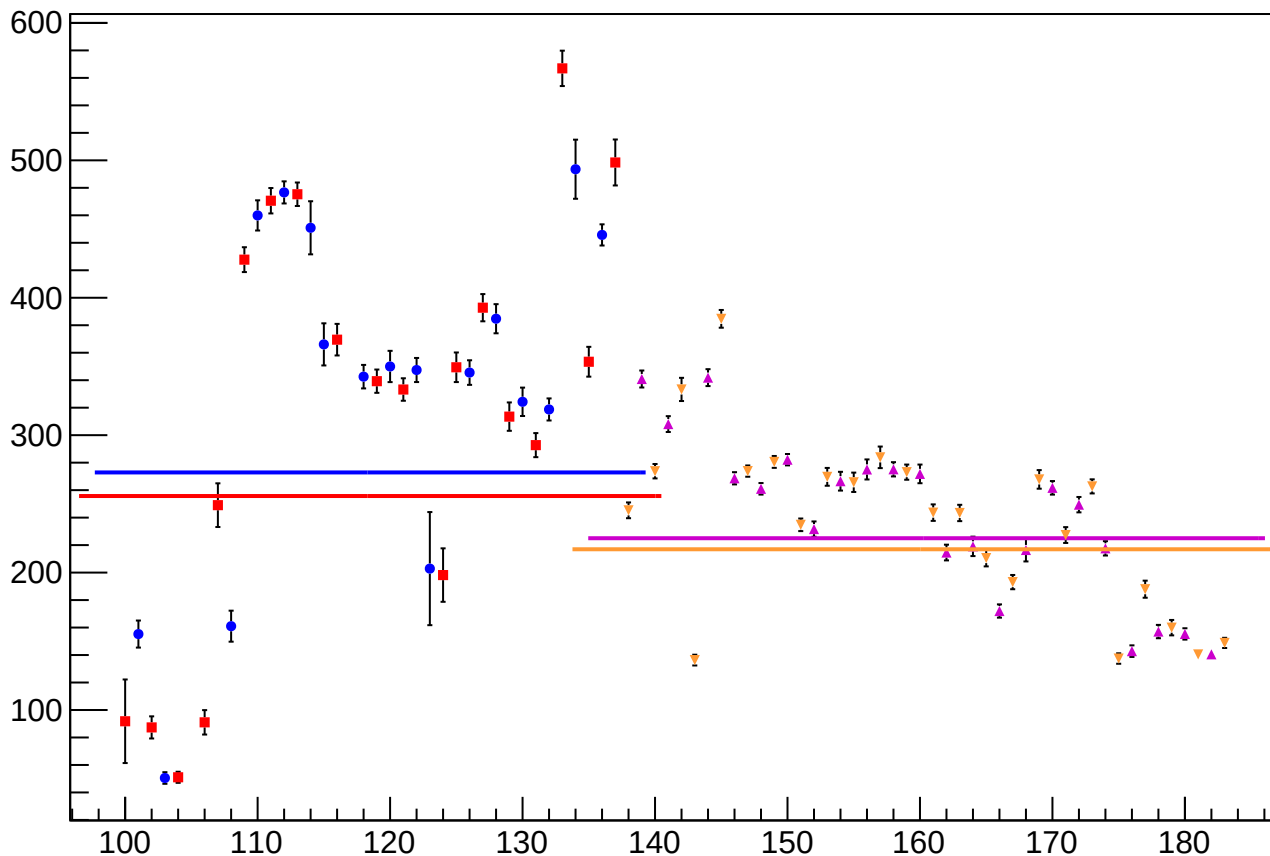
Left In: 2.756 ± 0.832 χ^2/NDF : 470.6/21

+ sign 2.617 ± 0.661 χ^2/NDF : 812.7/40

All: 2.973 ± 0.473 χ^2/NDF : 1510.5/81

- sign 3.344 ± 0.676 χ^2/NDF : 697.2/40

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 272.880 $\pm$ 2.208 χ^2 /NDF: 5091.5/16

Left Out: 216.966 $\pm$ 1.042 χ^2 /NDF: 3756.2/23

Right Out: 255.714 $\pm$ 2.082 χ^2 /NDF: 6433.2/18

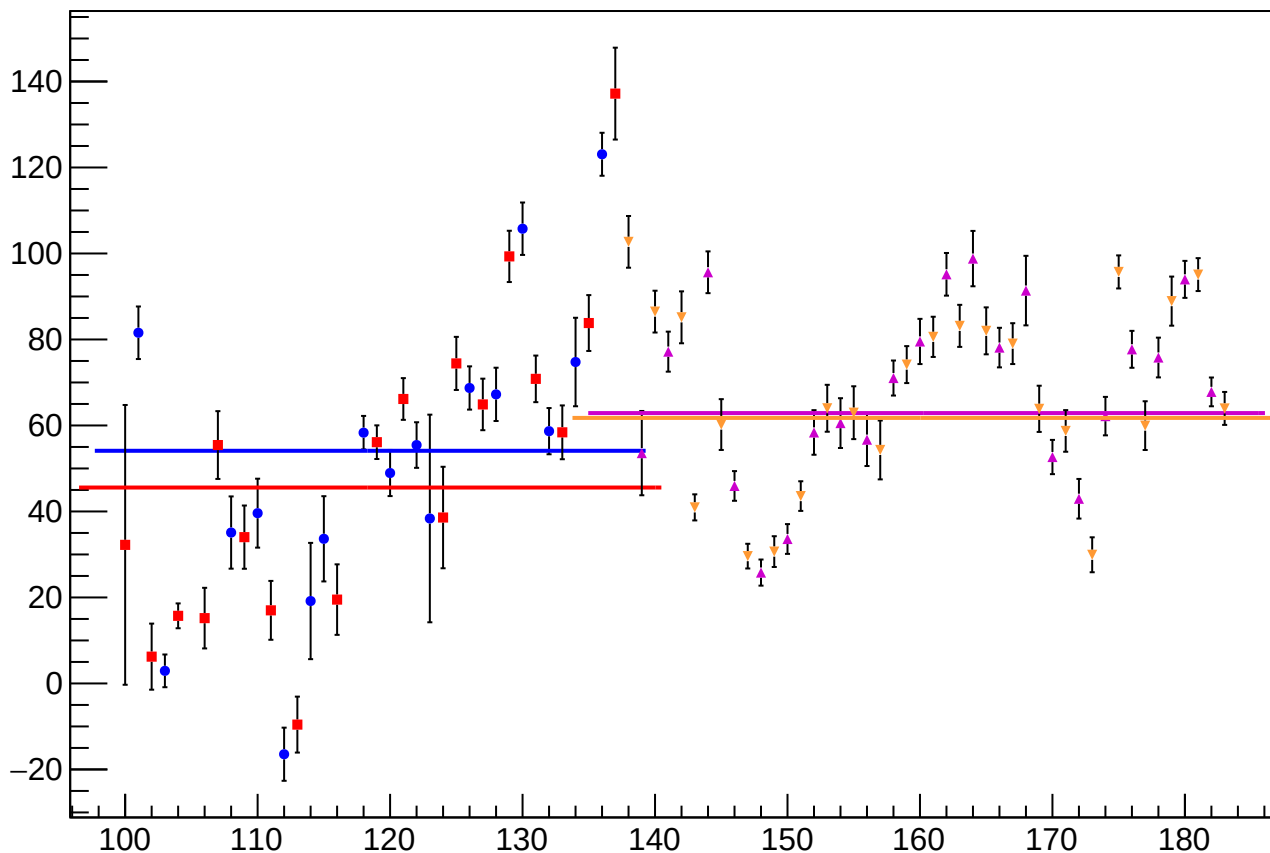
Left In: 225.006 $\pm$ 1.080 χ^2 /NDF: 3303.7/21

+ sign 227.148 $\pm$ 0.942 χ^2 /NDF: 9371.9/40

All: 229.294 $\pm$ 0.672 χ^2 /NDF: 19290.7/81

- sign 231.515 $\pm$ 0.959 χ^2 /NDF: 9908.2/40

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.110 $\pm$ 1.441 χ^2 /NDF: 633.3/16

Left Out: 61.756 $\pm$ 0.904 χ^2 /NDF:673.9/23

Right Out: 45.566 $\pm$ 1.359 χ^2 /NDF: 528.2/18

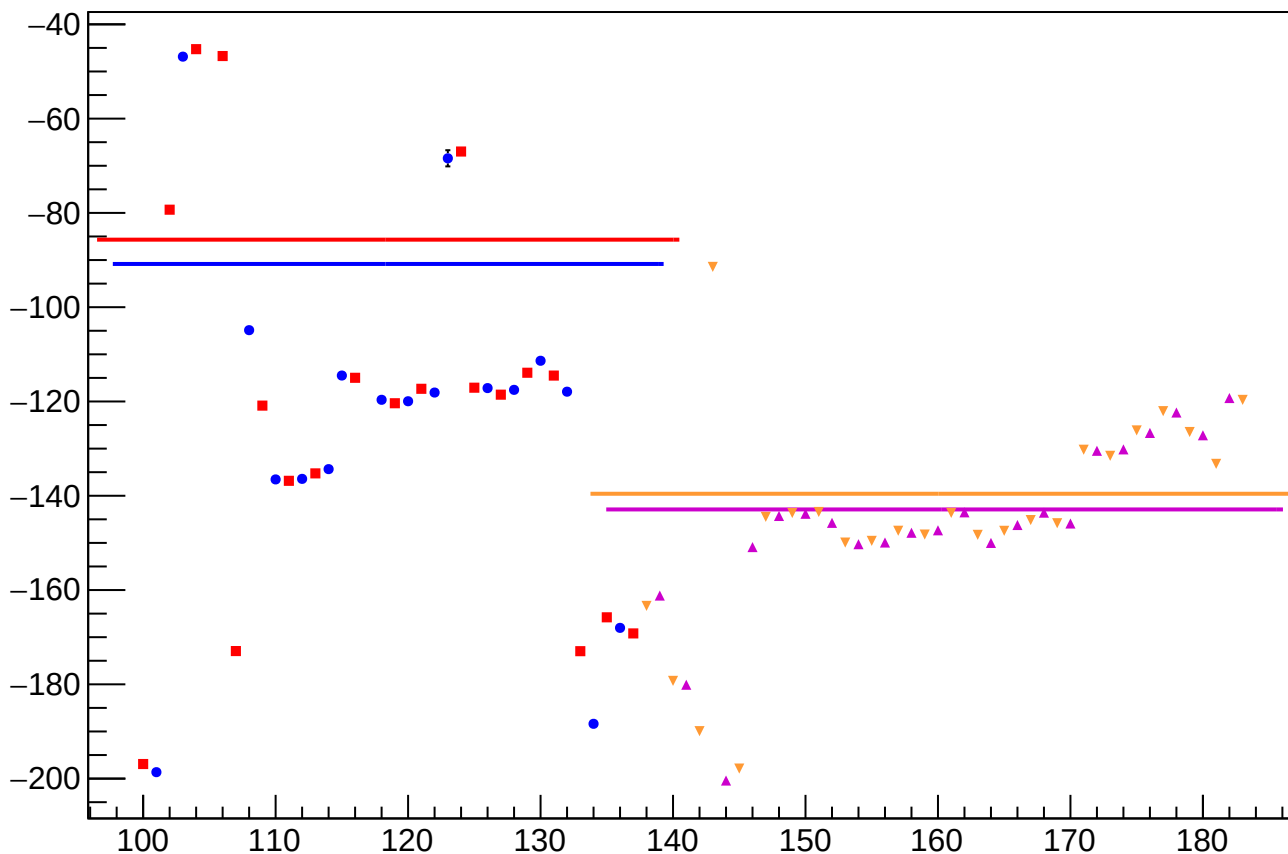
Left In: 62.881 $\pm$ 0.955 χ^2 /NDF:512.9/21

+ sign 59.595 $\pm$ 0.766 χ^2 /NDF: 1327.4/40

All: 58.401 $\pm$ 0.547 χ^2 /NDF: 2482.1/81

- sign 57.158 $\pm$ 0.781 χ^2 /NDF: 1149.8/40

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.830 ± 0.068 χ^2/NDF : 533047.0/16

Left Out: -139.575 ± 0.043 χ^2/NDF : 252050.5/23

Right Out: -85.675 ± 0.065 χ^2/NDF : 493800.4/18

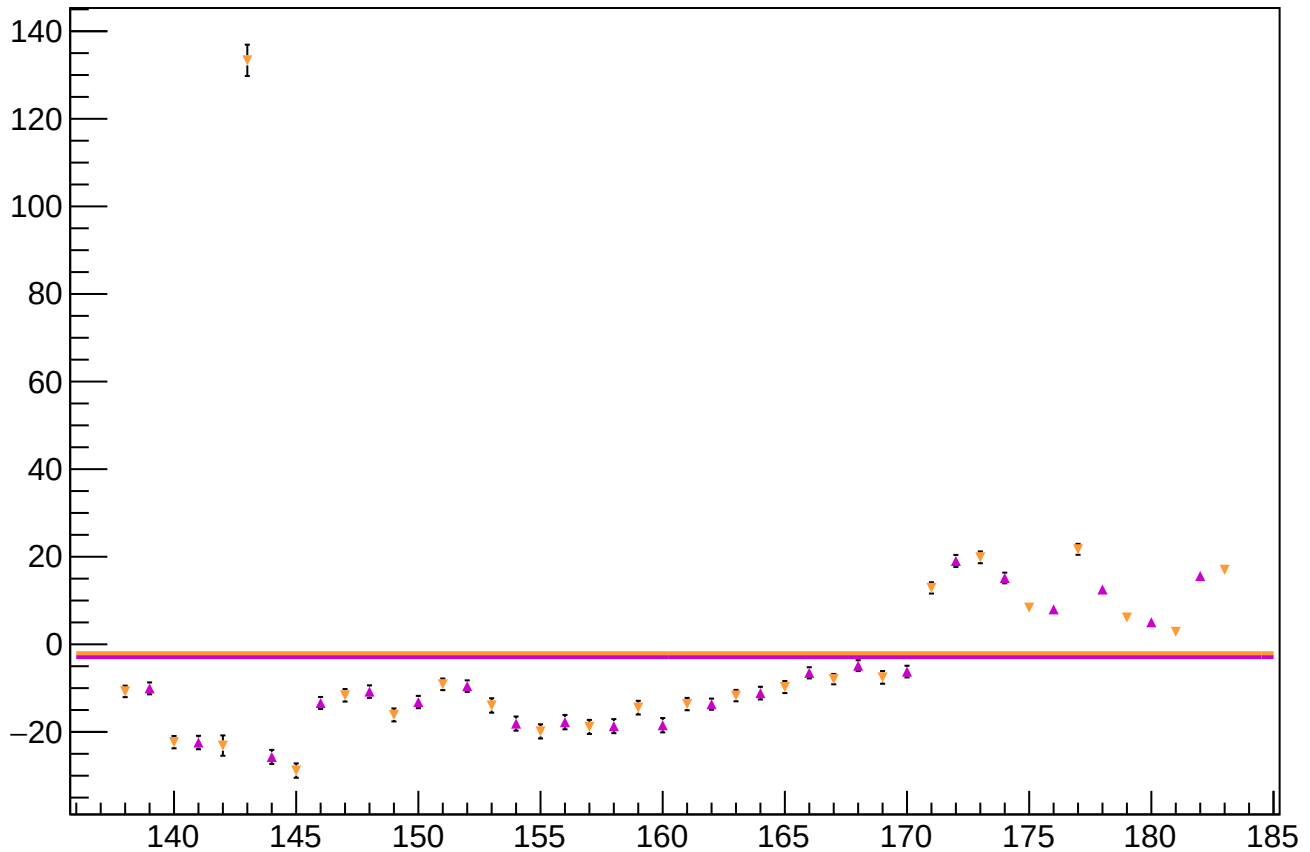
Left In: -142.903 ± 0.045 χ^2/NDF : 137297.2/21

+ sign -125.402 ± 0.037 χ^2/NDF : 1151614.9/40

All: -124.978 ± 0.026 χ^2/NDF : 2307747.5/81

- sign -124.547 ± 0.037 χ^2/NDF : 1155861.5/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2.032+/-0.270 χ^2/NDF : 4009.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

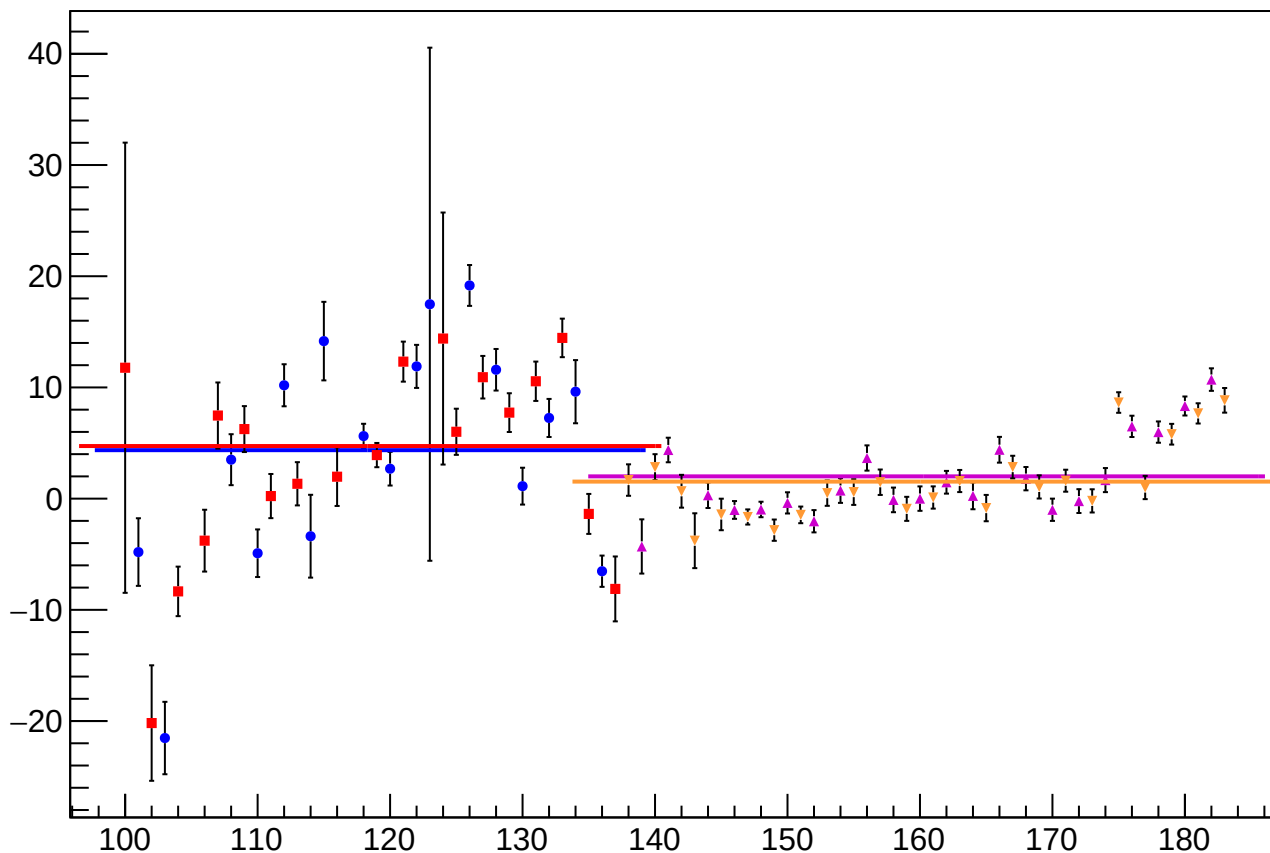
Left In: -2.910+/-0.274 χ^2/NDF : 2284.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2.464+/-0.192 χ^2/NDF : 6298.8/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.358 ± 0.472 χ^2/NDF : 280.7/16

Left Out: 1.532 ± 0.212 χ^2/NDF : 255.9/23

Right Out: 4.729 ± 0.474 χ^2/NDF : 183.8/18

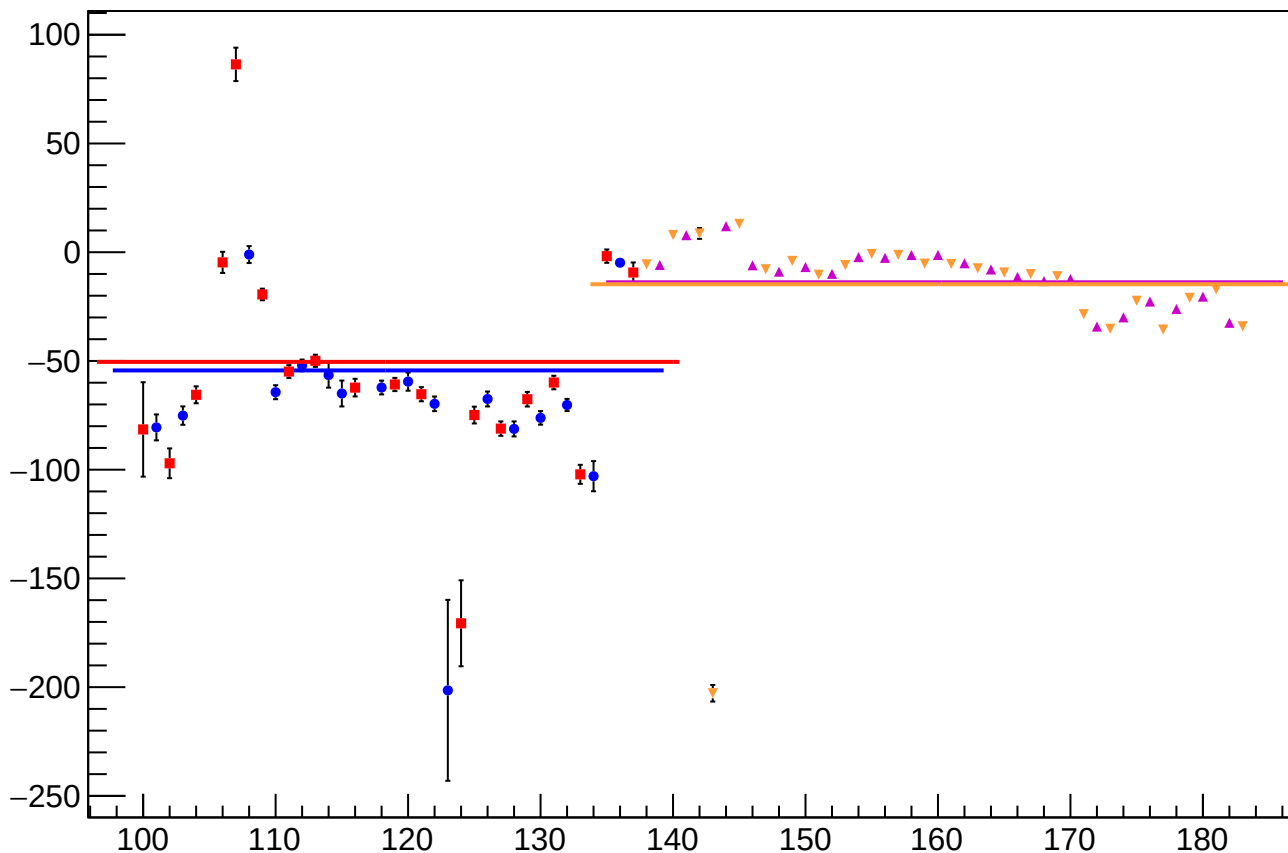
Left In: 2.002 ± 0.217 χ^2/NDF : 267.0/21

+ sign 2.005 ± 0.193 χ^2/NDF : 566.4/40

All: 2.235 ± 0.138 χ^2/NDF : 1047.4/81

- sign 2.475 ± 0.197 χ^2/NDF : 478.1/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.358 ± 0.870 χ^2/NDF : 1014.3/16

Left Out: -14.724 ± 0.269 χ^2/NDF : 4509.1/23

Right Out: -50.421 ± 0.859 χ^2/NDF : 1316.6/18

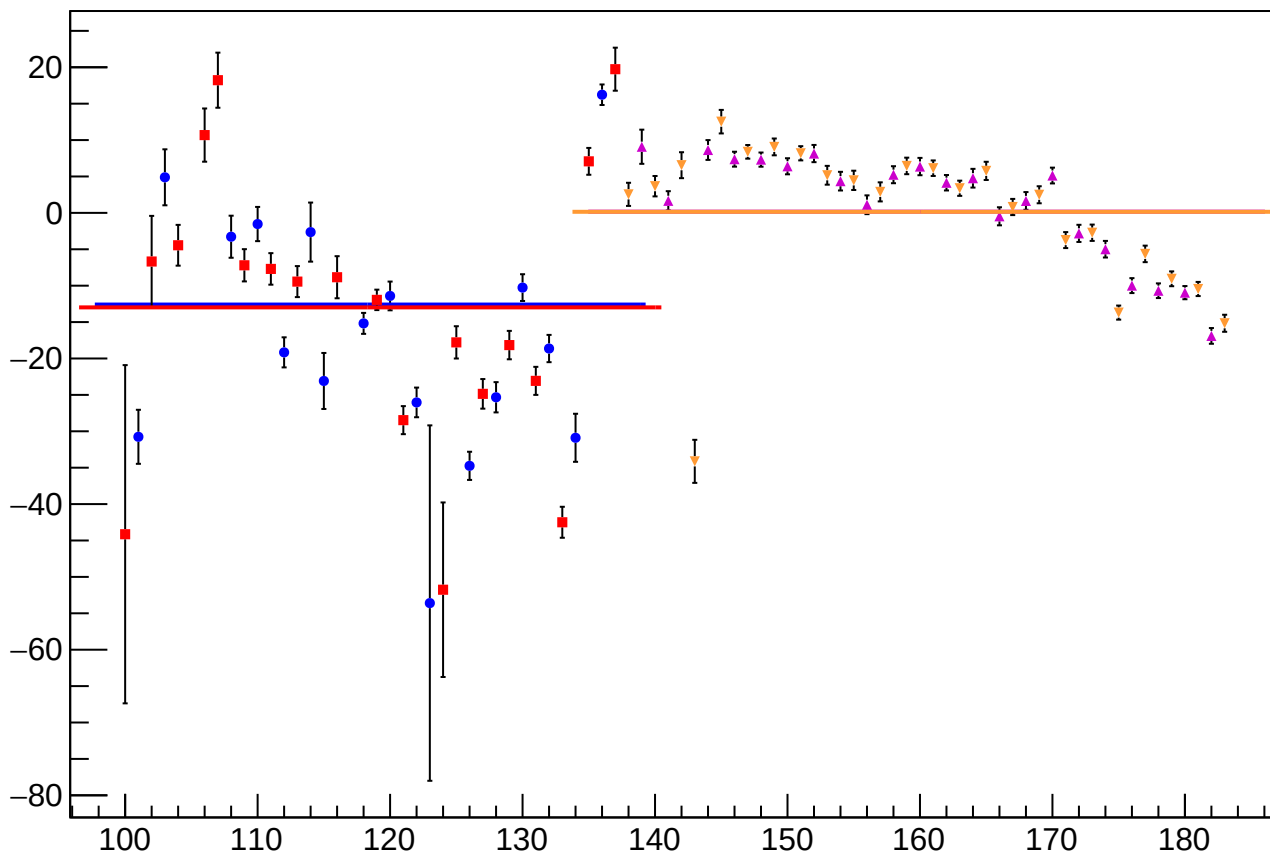
Left In: -13.829 ± 0.272 χ^2/NDF : 1817.1/21

+ sign -18.172 ± 0.257 χ^2/NDF : 7417.2/40

All: -17.672 ± 0.182 χ^2/NDF : 12207.5/81

- sign -17.162 ± 0.259 χ^2/NDF : 4782.7/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.592 ± 0.538 χ^2/NDF : 779.7/16

Left Out: 0.148 ± 0.240 χ^2/NDF : 1167.5/23

Right Out: -12.981 ± 0.539 χ^2/NDF : 721.9/18

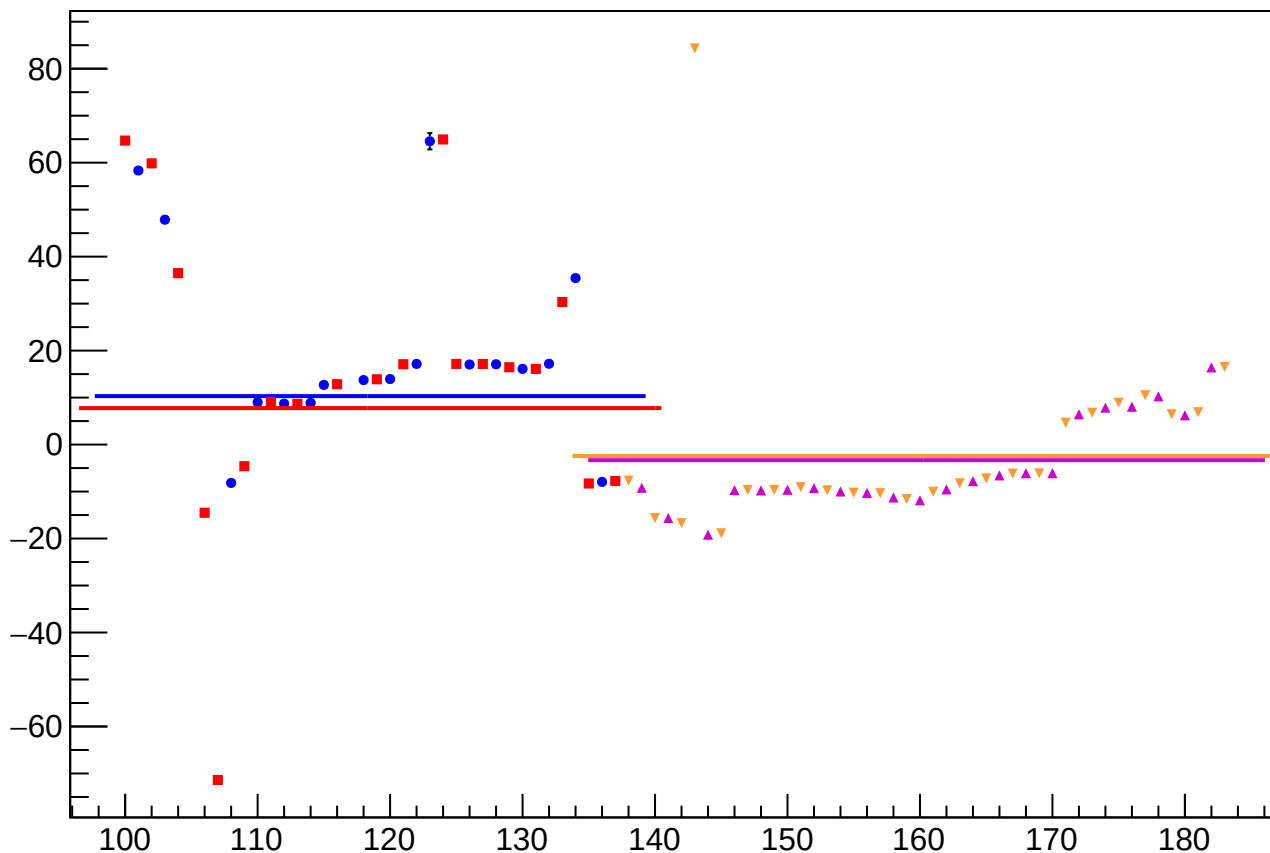
Left In: 0.166 ± 0.245 χ^2/NDF : 982.9/21

+ sign -1.967 ± 0.219 χ^2/NDF : 2415.5/40

All: -2.027 ± 0.156 χ^2/NDF : 4614.2/81

- sign -2.089 ± 0.223 χ^2/NDF : 2198.5/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.315 $\pm$ 0.031 χ^2 /NDF: 380737.7/16

Left Out: -2.432 $\pm$ 0.011 χ^2 /NDF: 1044813.6/23

Right Out: 7.762 $\pm$ 0.031 χ^2 /NDF: 543895.1/18

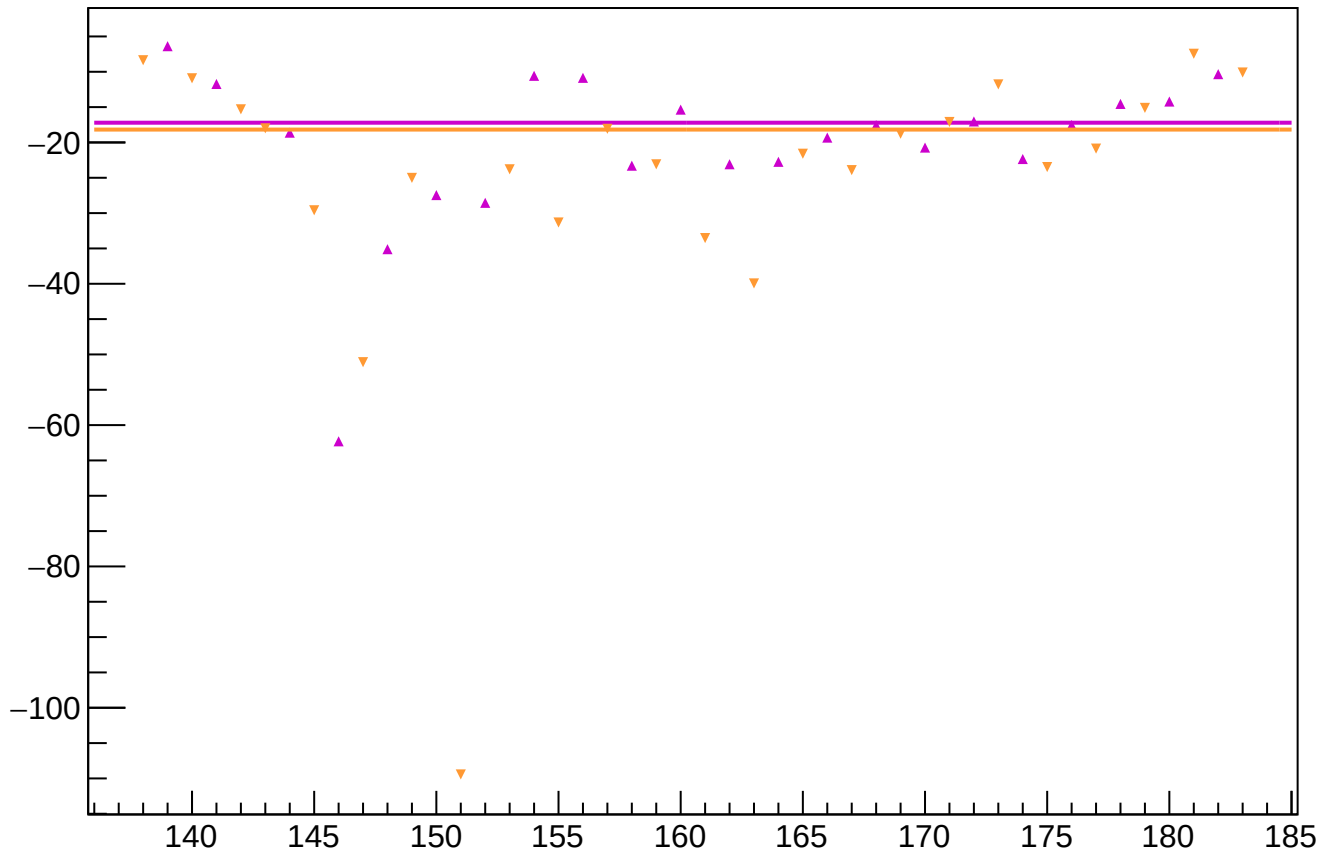
Left In: -3.318 $\pm$ 0.011 χ^2 /NDF: 704540.0/21

+ sign -0.978 $\pm$ 0.010 χ^2 /NDF: 1578052.5/40

All: -1.526 $\pm$ 0.007 χ^2 /NDF: 2943138.3/81

- sign -2.083 $\pm$ 0.010 χ^2 /NDF: 1359463.9/40

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -18.179 $\pm$ 0.039 χ^2 /NDF:88484.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

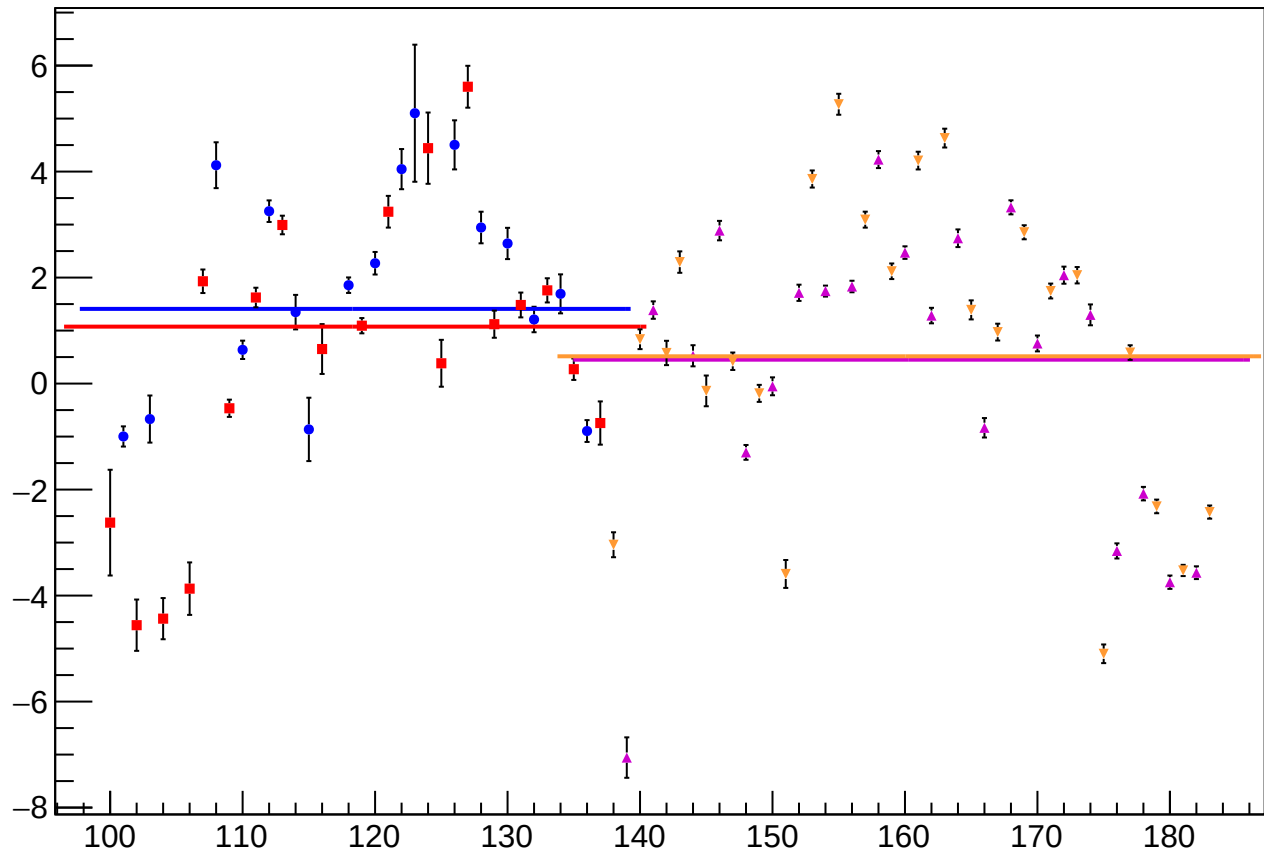
Left In: -17.207 $\pm$ 0.039 χ^2 /NDF:43599.0/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -17.686 $\pm$ 0.028 χ^2 /NDF: 132392.4/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.409 $\pm$ 0.062 χ^2 /NDF: 634.6/16

Left Out: 0.515 $\pm$ 0.033 χ^2 /NDF: 7050.7/23

Right Out: 1.074 $\pm$ 0.058 χ^2 /NDF: 942.5/18

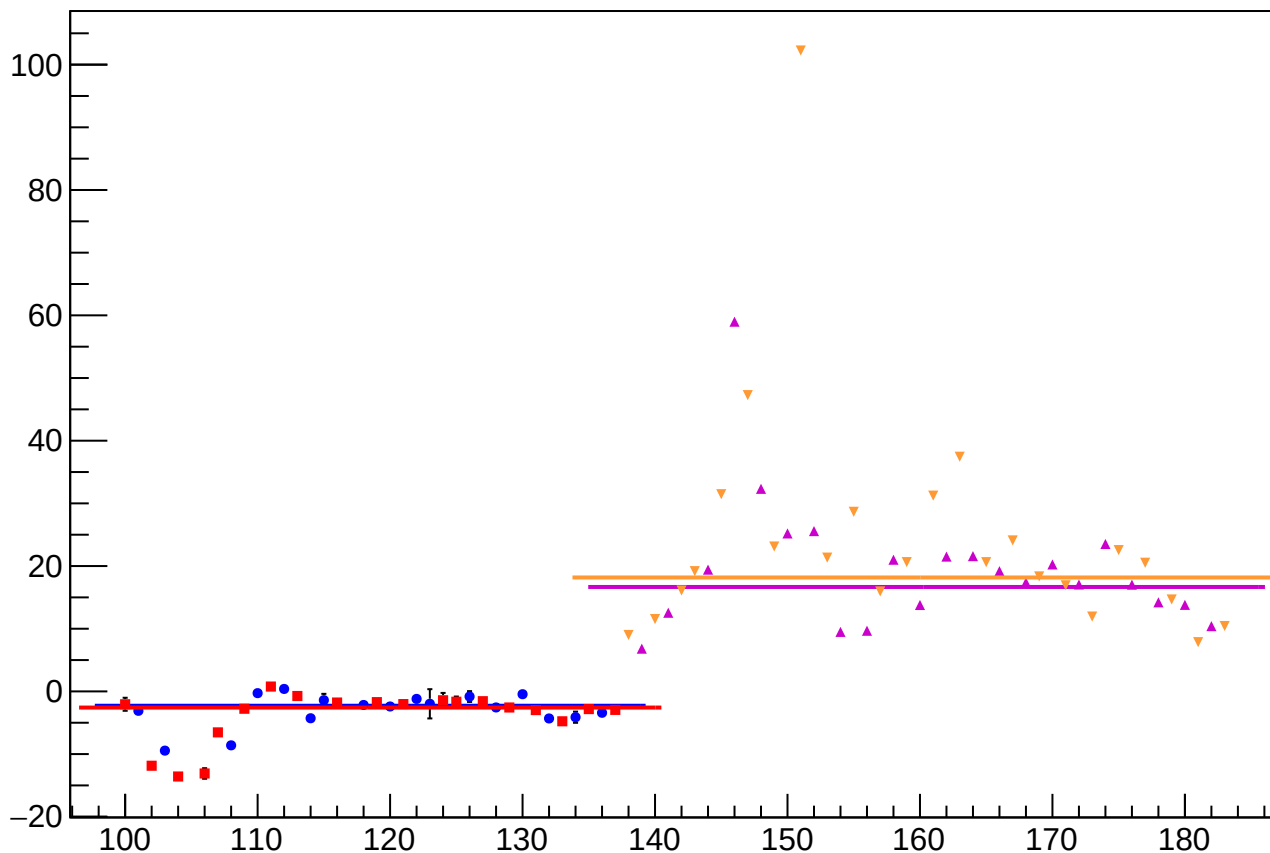
Left In: 0.451 $\pm$ 0.031 χ^2 /NDF: 6106.0/21

+ sign 0.709 $\pm$ 0.029 χ^2 /NDF: 7847.8/40

All: 0.646 $\pm$ 0.020 χ^2 /NDF: 14994.9/81

- sign 0.590 $\pm$ 0.027 χ^2 /NDF: 7138.1/40

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.289 ± 0.112 χ^2/NDF : 447.6/16

Left Out: 18.177 ± 0.040 χ^2/NDF : 77829.0/23

Right Out: -2.579 ± 0.099 χ^2/NDF : 891.5/18

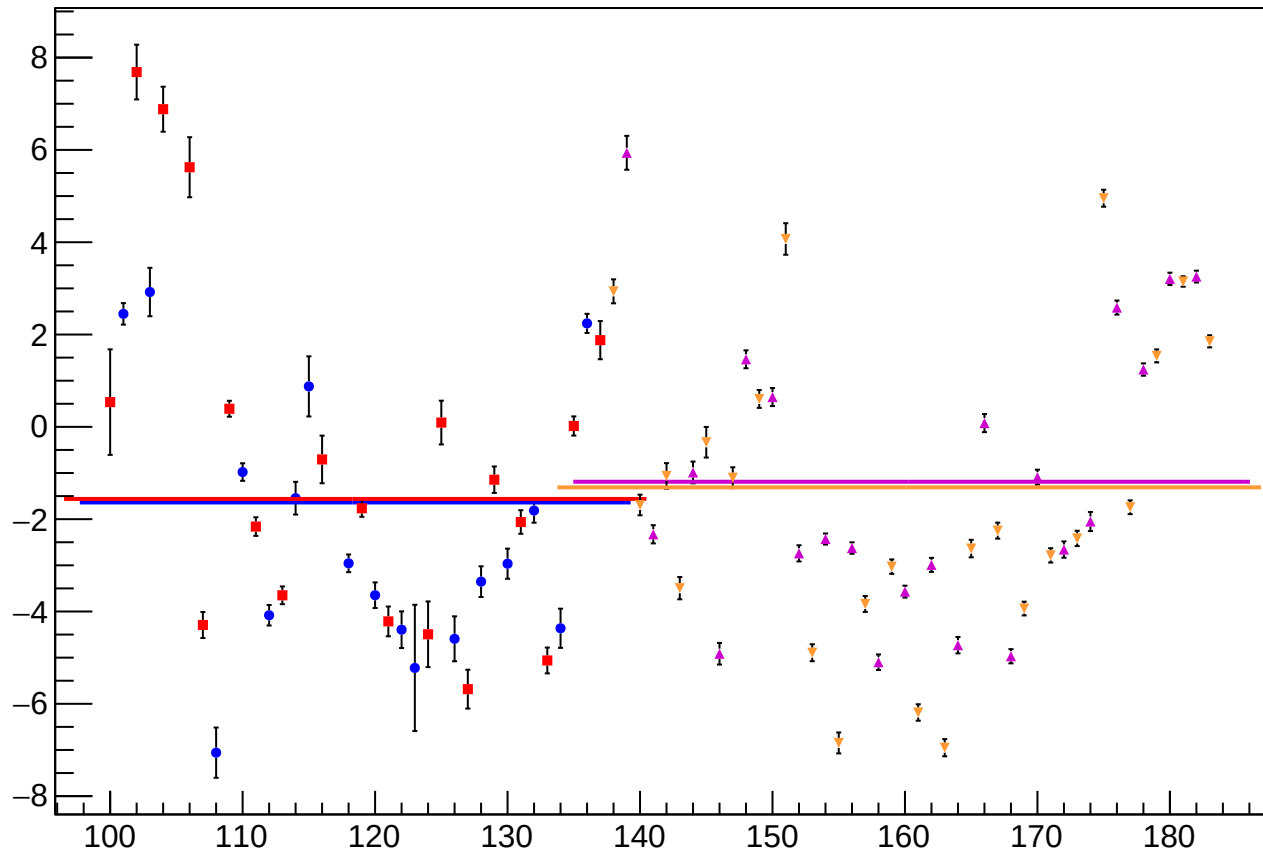
Left In: 16.662 ± 0.038 χ^2/NDF : 40544.1/21

+ sign 15.890 ± 0.037 χ^2/NDF : 108184.9/40

All: 14.982 ± 0.026 χ^2/NDF : 183636.2/81

- sign 14.147 ± 0.036 χ^2/NDF : 74314.2/40

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.638 ± 0.071 χ^2/NDF : 1258.5/16

Left Out: -1.311 ± 0.036 χ^2/NDF : 7920.6/23

Right Out: -1.561 ± 0.066 χ^2/NDF : 1503.8/18

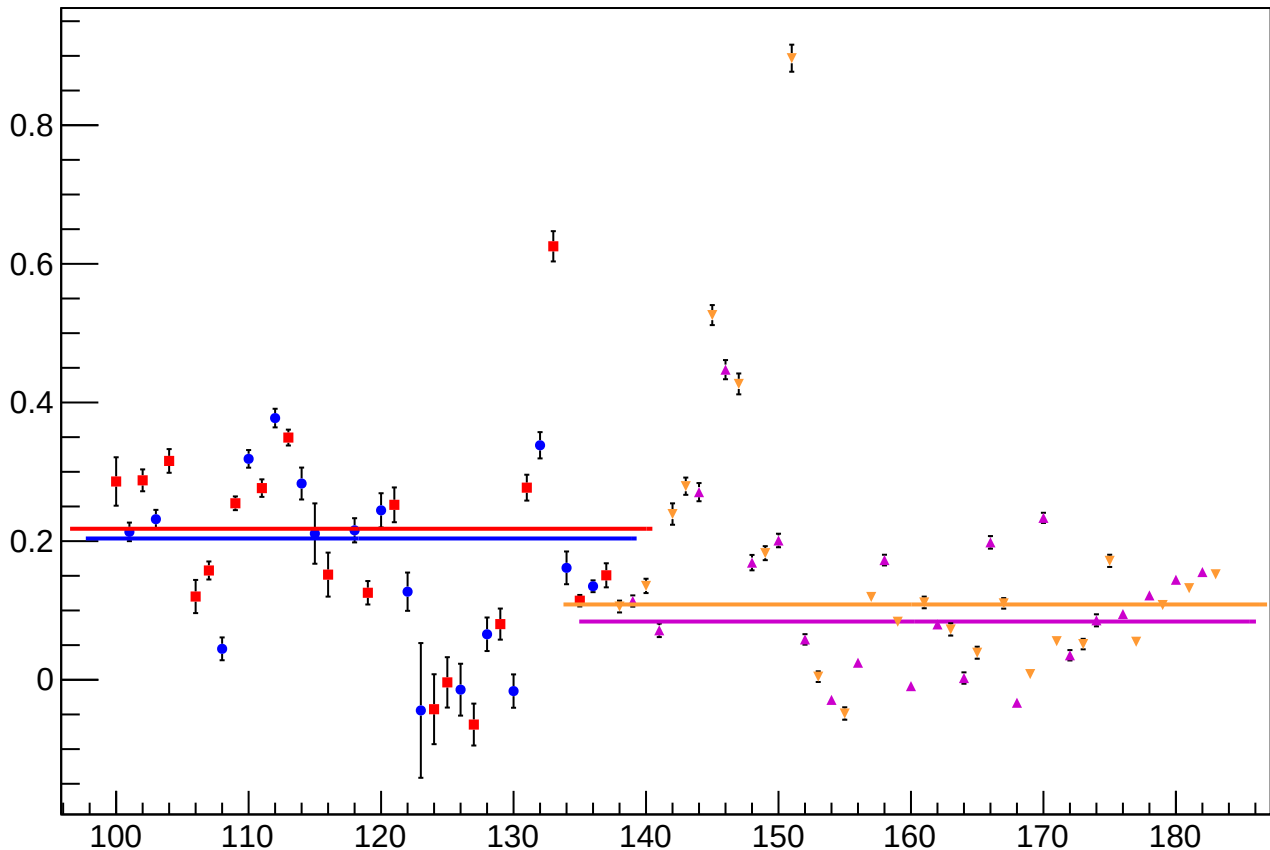
Left In: -1.189 ± 0.035 χ^2/NDF : 6621.2/21

+ sign -1.379 ± 0.032 χ^2/NDF : 9195.8/40

All: -1.321 ± 0.022 χ^2/NDF : 17351.9/81

- sign -1.270 ± 0.031 χ^2/NDF : 8150.2/40

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.204 ± 0.004 $\chi^2/\text{NDF}: 645.6/16$

Left Out: 0.109 ± 0.002 $\chi^2/\text{NDF}: 4357.9/23$

Right Out: 0.218 ± 0.004 $\chi^2/\text{NDF}: 1016.1/18$

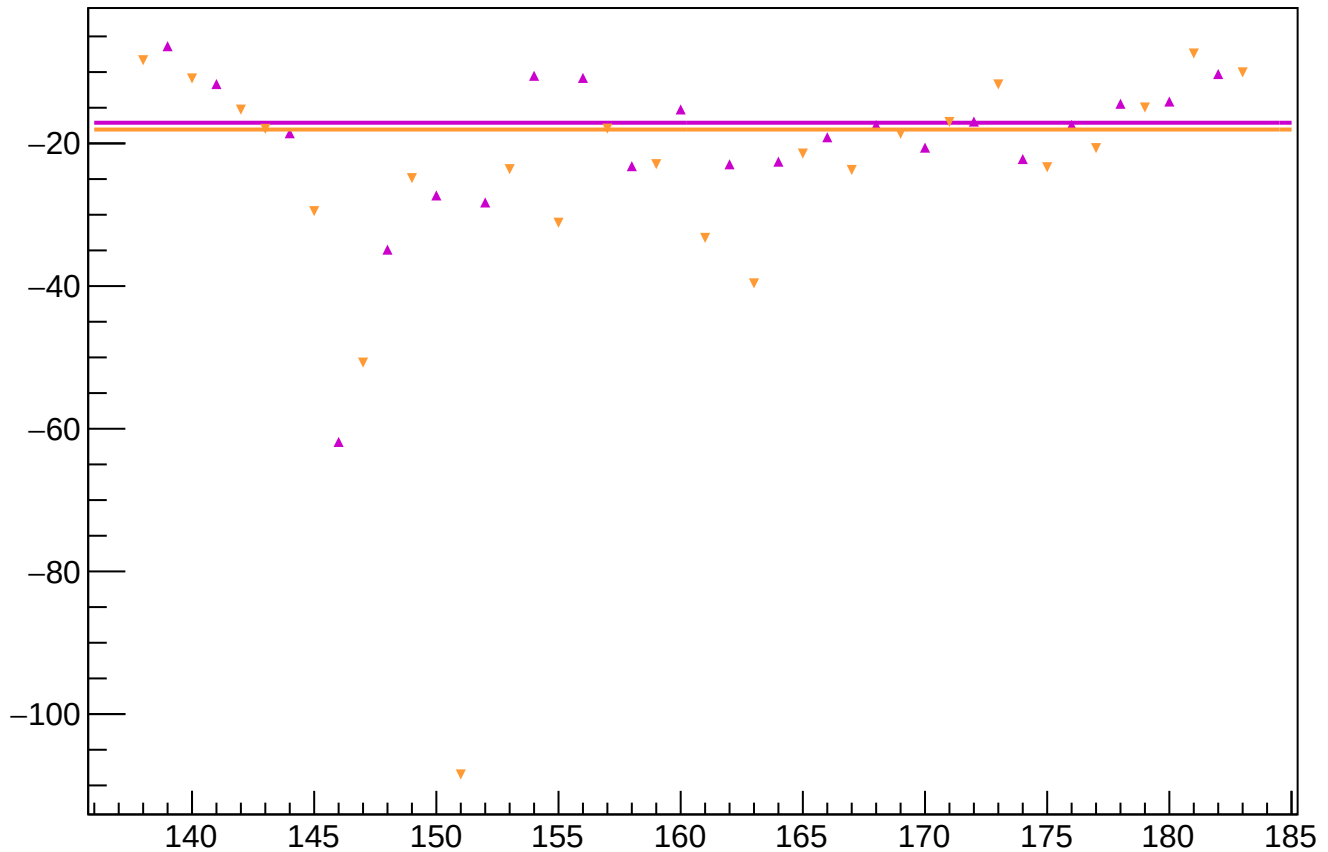
Left In: 0.084 ± 0.002 $\chi^2/\text{NDF}: 3553.5/21$

+ sign 0.121 ± 0.002 $\chi^2/\text{NDF}: 5457.4/40$

All: 0.112 ± 0.001 $\chi^2/\text{NDF}: 11222.3/81$

- sign 0.103 ± 0.001 $\chi^2/\text{NDF}: 5690.0/40$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -18.056 $\pm$ 0.039 χ^2 /NDF:88323.9/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

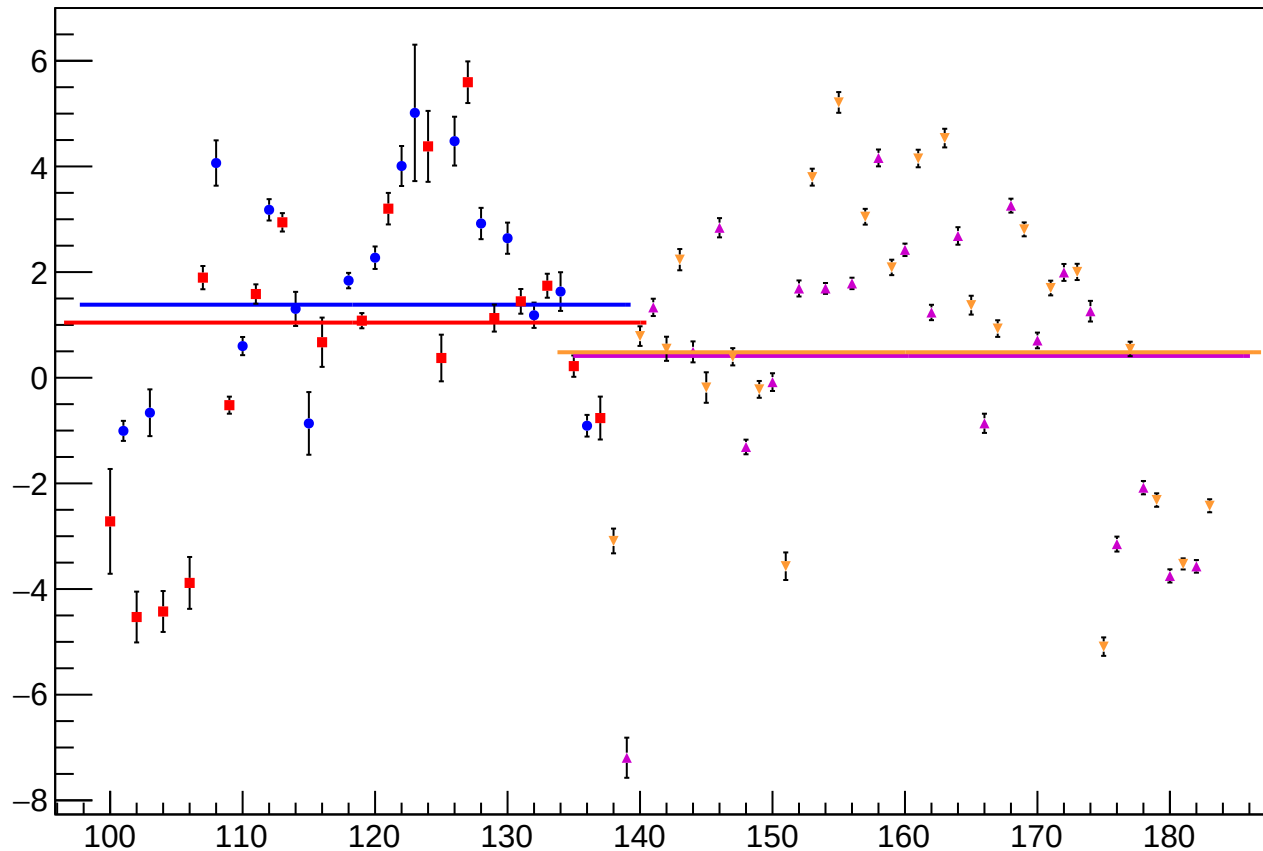
Left In: -17.101 $\pm$ 0.039 χ^2 /NDF:43519.8/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -17.572 $\pm$ 0.027 χ^2 /NDF: 132145.6/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.383 ± 0.062 χ^2/NDF : 632.3/16

Left Out: 0.482 ± 0.033 χ^2/NDF : 7034.3/23

Right Out: 1.044 ± 0.058 χ^2/NDF : 947.0/18

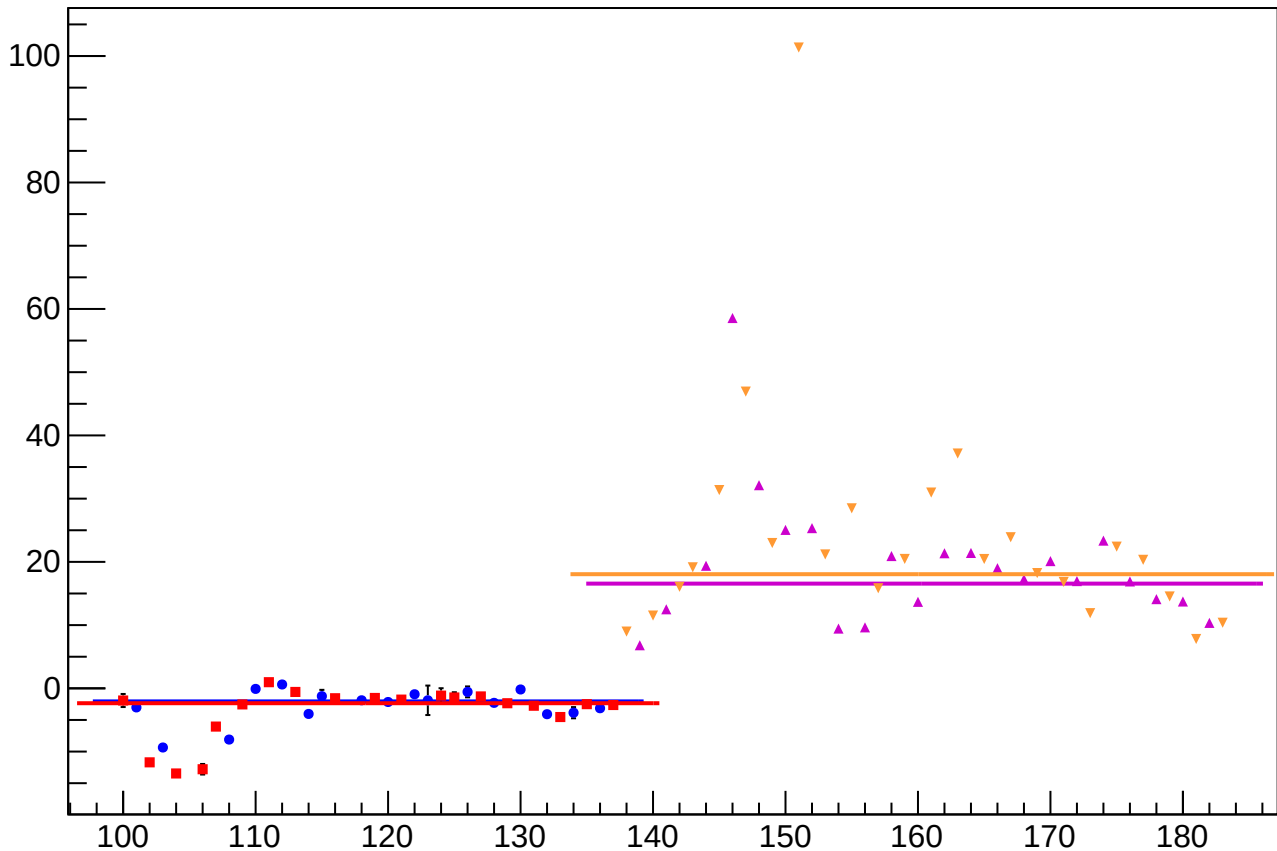
Left In: 0.413 ± 0.031 χ^2/NDF : 6091.8/21

+ sign 0.678 ± 0.029 χ^2/NDF : 7832.8/40

All: 0.612 ± 0.020 χ^2/NDF : 14974.2/81

- sign 0.553 ± 0.027 χ^2/NDF : 7131.5/40

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.066 ± 0.111 χ^2/NDF : 450.1/16

Left Out: 18.053 ± 0.039 χ^2/NDF : 77699.4/23

Right Out: -2.353 ± 0.098 χ^2/NDF : 894.9/18

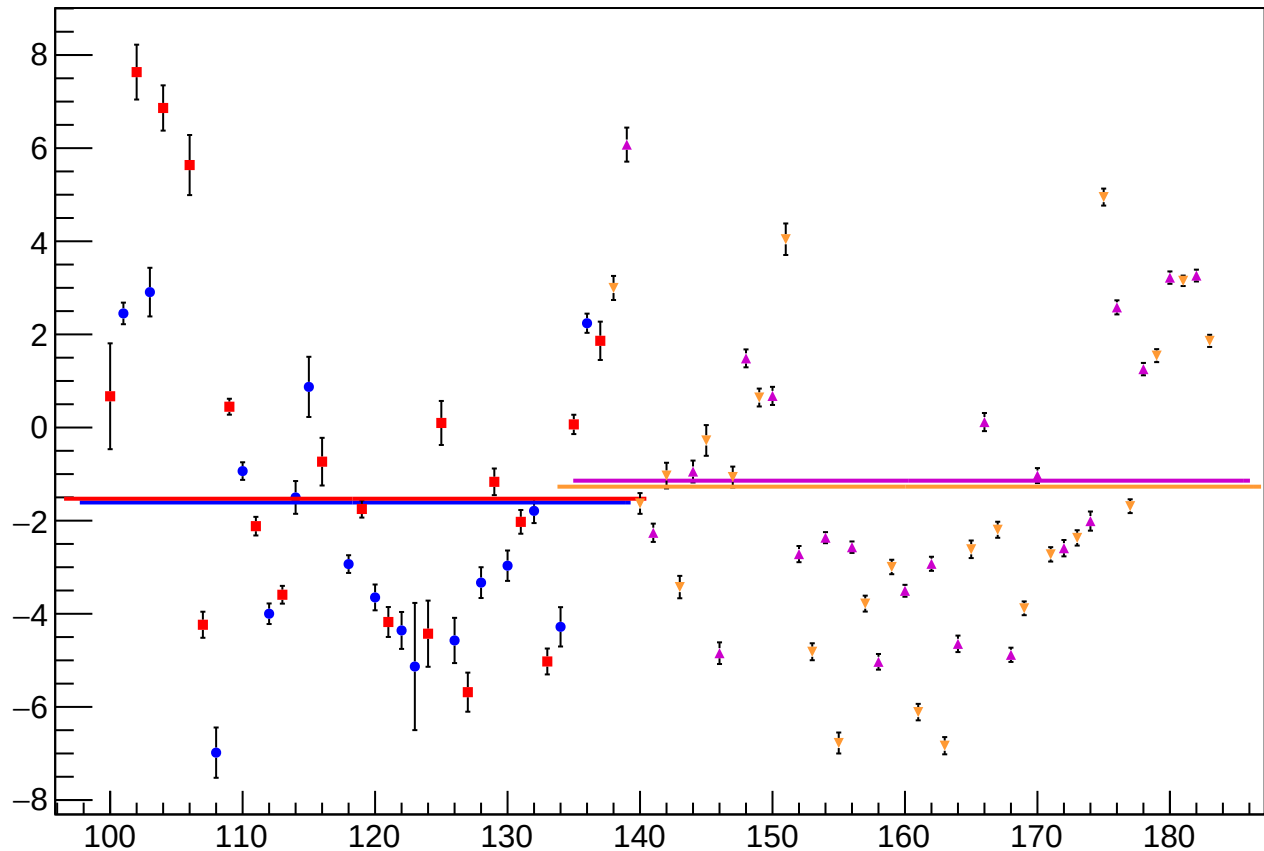
Left In: 16.561 ± 0.038 χ^2/NDF : 40470.7/21

+ sign 15.813 ± 0.037 χ^2/NDF : 107354.7/40

All: 14.918 ± 0.026 χ^2/NDF : 181961.7/81

- sign 14.095 ± 0.036 χ^2/NDF : 73486.4/40

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.610 ± 0.071 χ^2/NDF : 1253.3/16

Left Out: -1.270 ± 0.036 χ^2/NDF : 7901.2/23

Right Out: -1.529 ± 0.065 χ^2/NDF : 1507.9/18

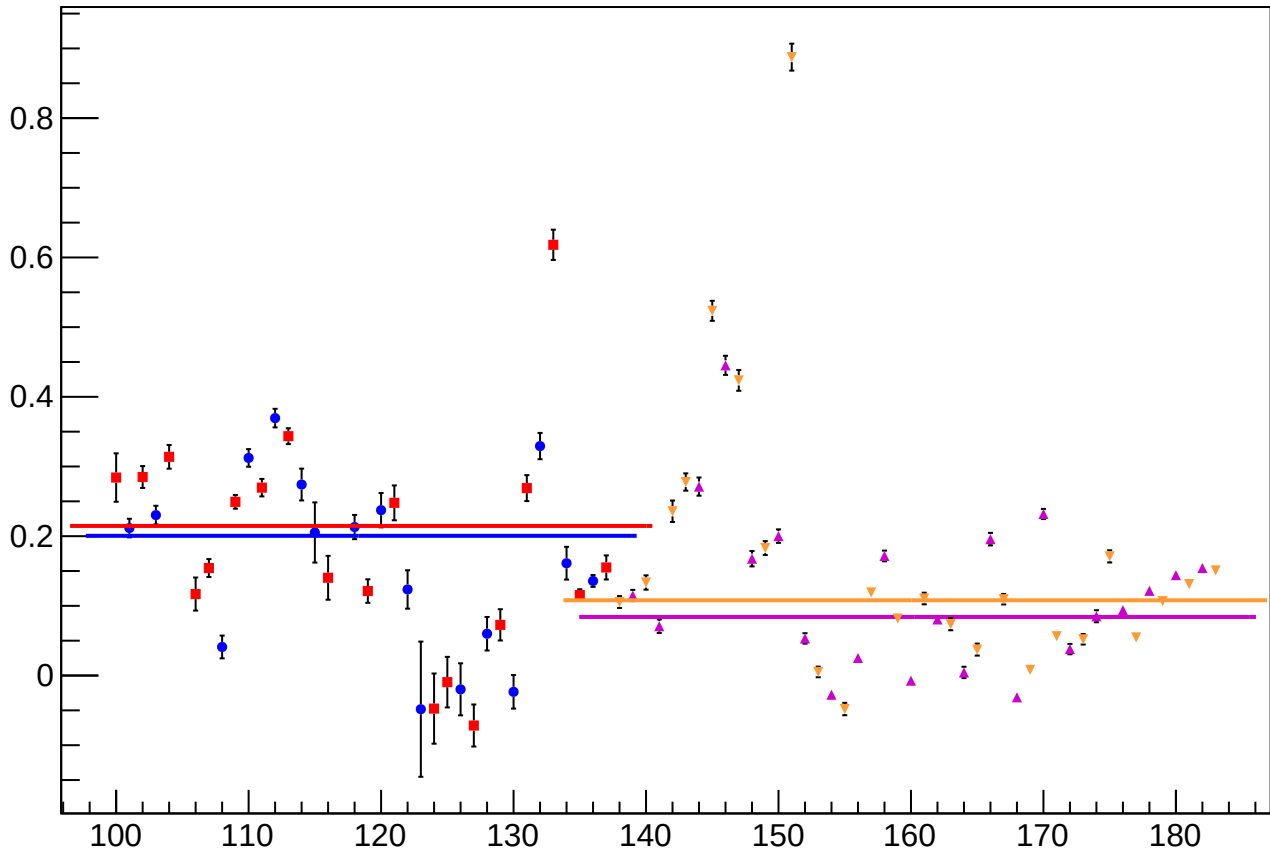
Left In: -1.141 ± 0.034 χ^2/NDF : 6605.1/21

+ sign -1.340 ± 0.032 χ^2/NDF : 9172.7/40

All: -1.279 ± 0.022 χ^2/NDF : 17320.0/81

- sign -1.225 ± 0.030 χ^2/NDF : 8140.6/40

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.004 χ^2/NDF : 630.5/16

Left Out: 0.108 $\pm$ 0.002 χ^2/NDF : 4348.9/23

Right Out: 0.215 $\pm$ 0.004 χ^2/NDF : 999.0/18

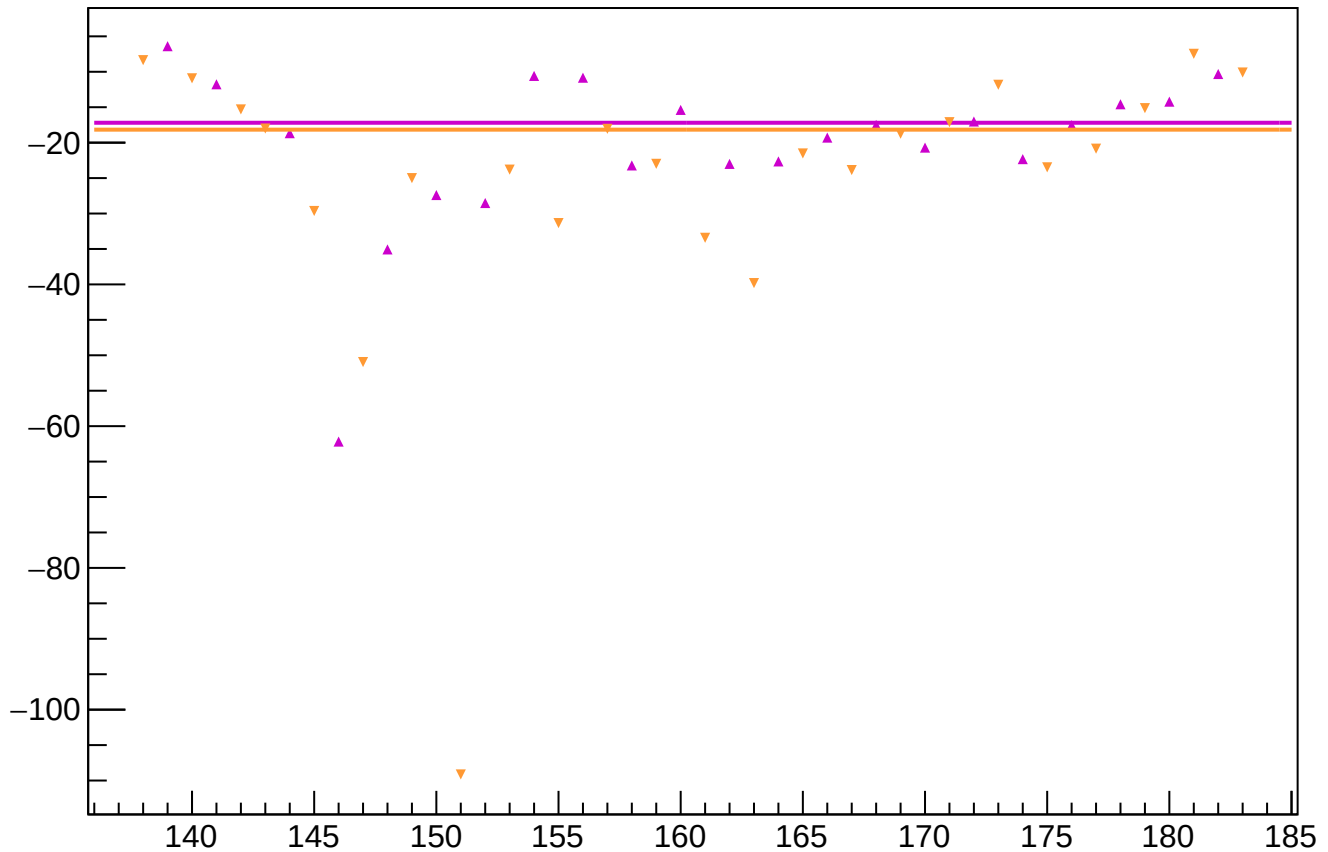
Left In: 0.084 $\pm$ 0.002 χ^2/NDF : 3523.3/21

+ sign 0.120 $\pm$ 0.002 χ^2/NDF : 5412.9/40

All: 0.111 $\pm$ 0.001 χ^2/NDF : 11084.8/81

- sign 0.103 $\pm$ 0.001 χ^2/NDF : 5601.0/40

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -18.166 $\pm$ 0.039 χ^2 /NDF:88457.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

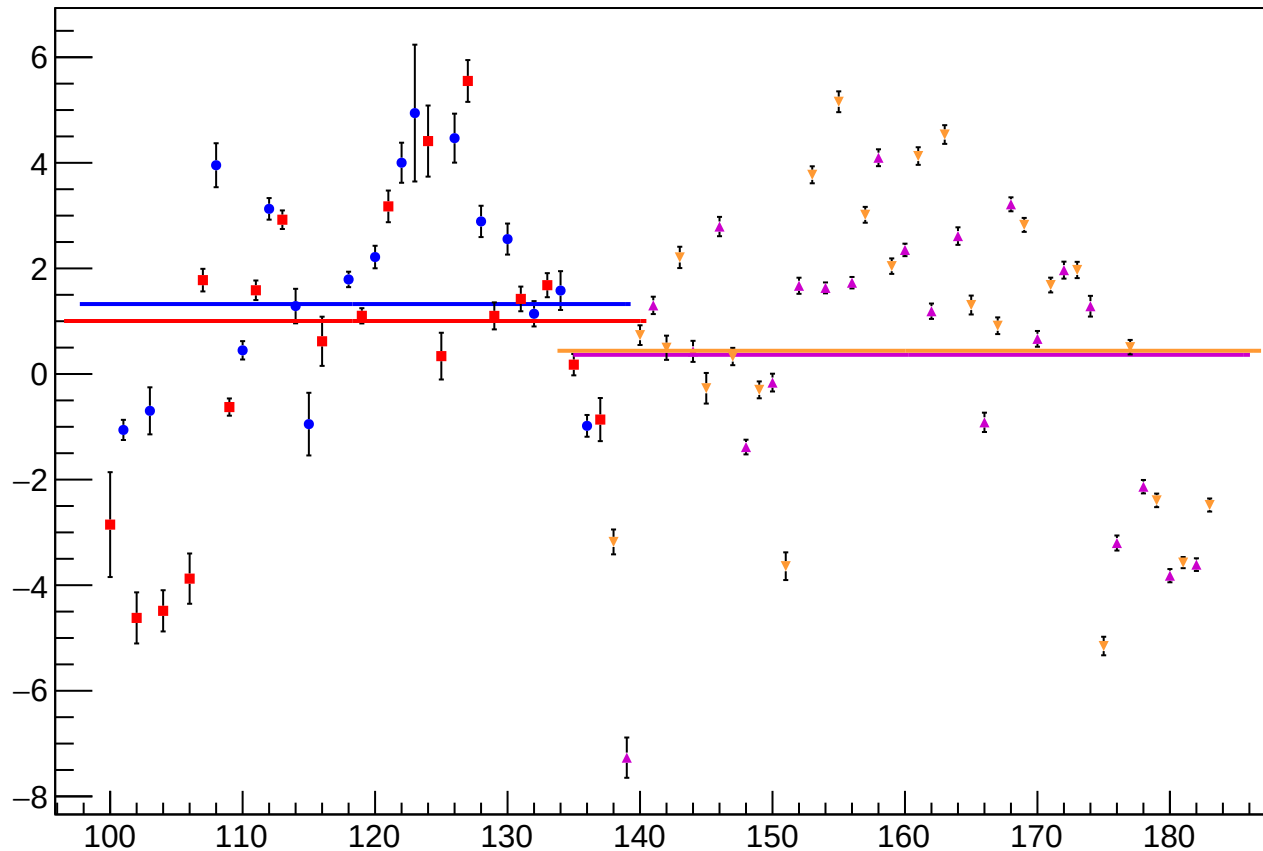
Left In: -17.192 $\pm$ 0.039 χ^2 /NDF:43596.6/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -17.672 $\pm$ 0.028 χ^2 /NDF: 132365.3/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.325 $\pm$ 0.062 χ^2/NDF : 637.1/16

Left Out: 0.440 $\pm$ 0.033 χ^2/NDF : 7057.8/23

Right Out: 1.004 $\pm$ 0.058 χ^2/NDF : 957.8/18

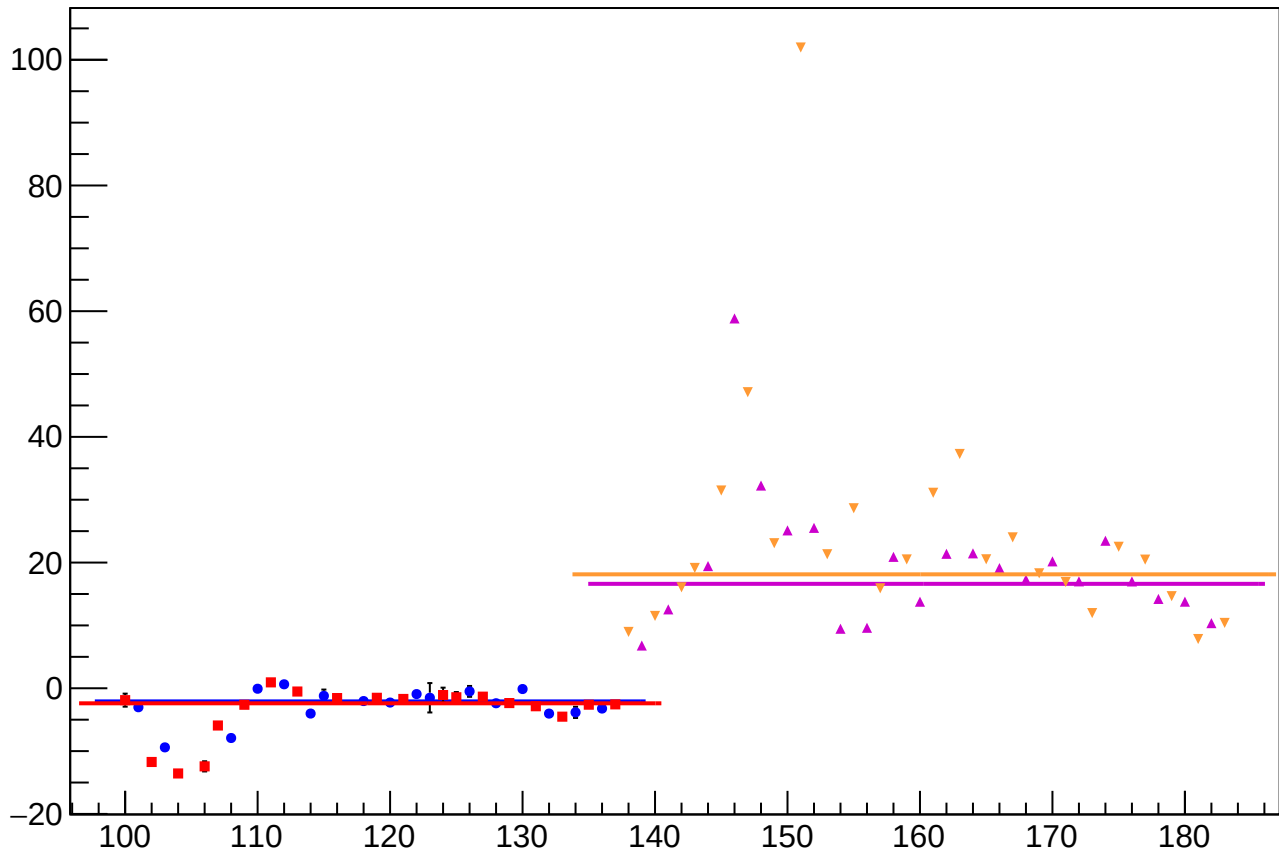
Left In: 0.364 $\pm$ 0.031 χ^2/NDF : 6058.3/21

+ sign 0.632 $\pm$ 0.029 χ^2/NDF : 7854.1/40

All: 0.565 $\pm$ 0.020 χ^2/NDF : 14975.3/81

- sign 0.506 $\pm$ 0.027 χ^2/NDF : 7111.1/40

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.090 ± 0.112 χ^2/NDF : 449.1/16

Left Out: 18.129 ± 0.039 χ^2/NDF : 77817.9/23

Right Out: -2.395 ± 0.099 χ^2/NDF : 889.1/18

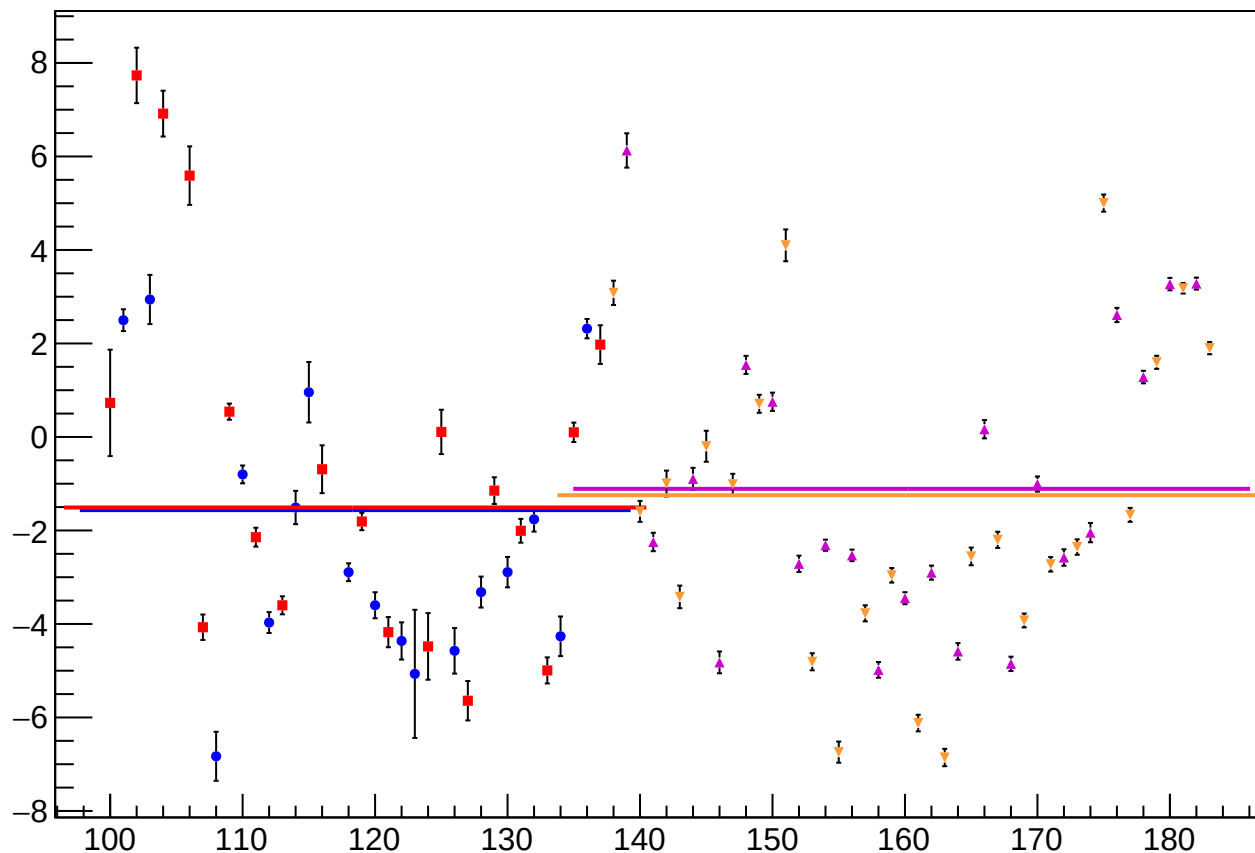
Left In: 16.615 ± 0.038 χ^2/NDF : 40553.5/21

+ sign 15.882 ± 0.037 χ^2/NDF : 107458.3/40

All: 14.975 ± 0.026 χ^2/NDF : 182183.0/81

- sign 14.141 ± 0.036 χ^2/NDF : 73583.7/40

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.565 ± 0.071 χ^2/NDF : 1258.1/16

Left Out: -1.246 ± 0.036 χ^2/NDF : 7928.6/23

Right Out: -1.508 ± 0.066 χ^2/NDF : 1518.8/18

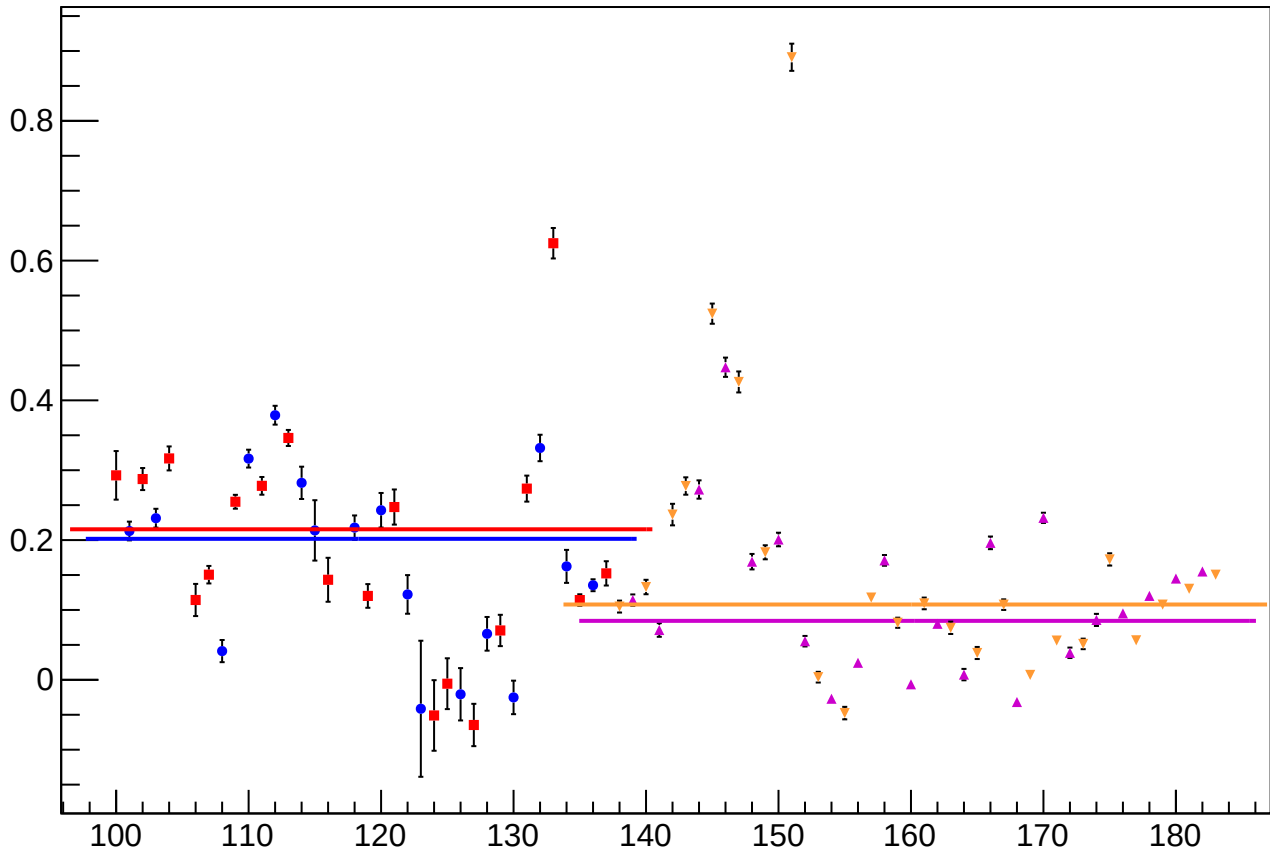
Left In: -1.109 ± 0.034 χ^2/NDF : 6558.4/21

+ sign -1.312 ± 0.032 χ^2/NDF : 9202.6/40

All: -1.250 ± 0.022 χ^2/NDF : 17315.7/81

- sign -1.196 ± 0.031 χ^2/NDF : 8106.3/40

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.004 χ^2/NDF : 658.6/16

Left Out: 0.108 ± 0.002 χ^2/NDF : 4330.9/23

Right Out: 0.215 ± 0.004 χ^2/NDF : 1031.4/18

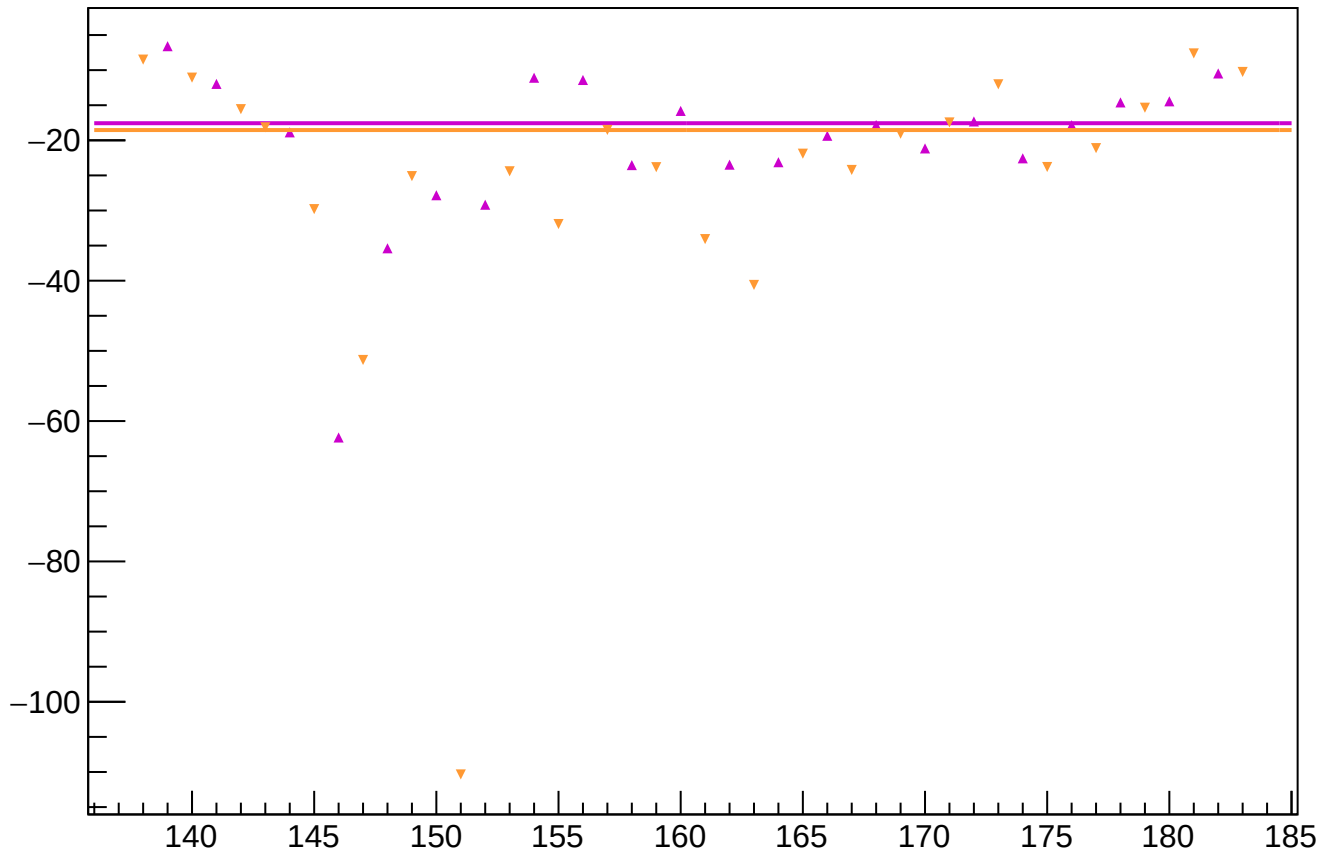
Left In: 0.084 ± 0.002 χ^2/NDF : 3500.7/21

+ sign 0.120 ± 0.002 χ^2/NDF : 5433.7/40

All: 0.111 ± 0.001 χ^2/NDF : 11113.5/81

- sign 0.103 ± 0.001 χ^2/NDF : 5612.9/40

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.538+/-0.040 χ^2/NDF : 87797.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

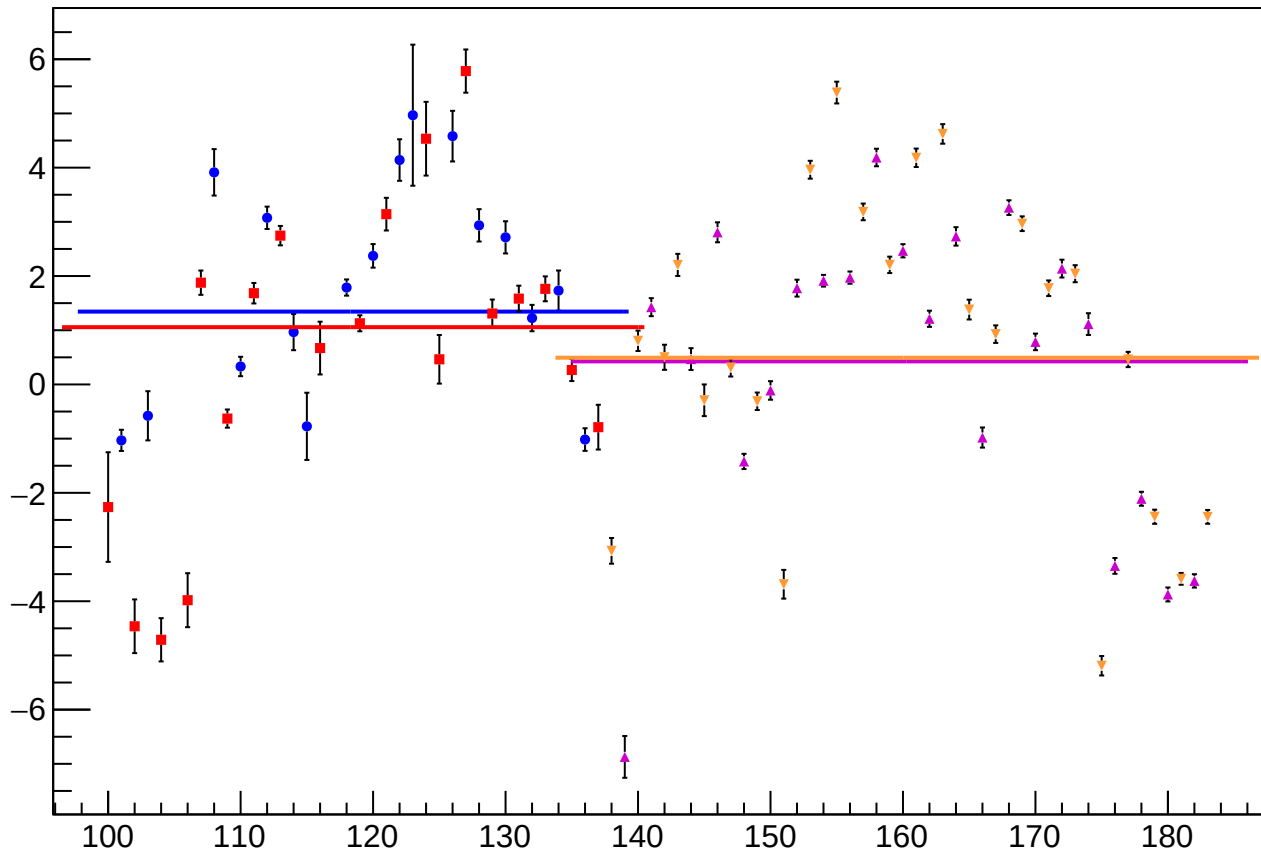
Left In: -17.563+/-0.040 χ^2/NDF : 42645.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -18.044+/-0.028 χ^2/NDF : 130741.6/45

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.344 $\pm$ 0.063 χ^2/NDF : 636.3/16

Left Out: 0.493 $\pm$ 0.033 χ^2/NDF : 7022.2/23

Right Out: 1.057 $\pm$ 0.059 χ^2/NDF : 927.5/18

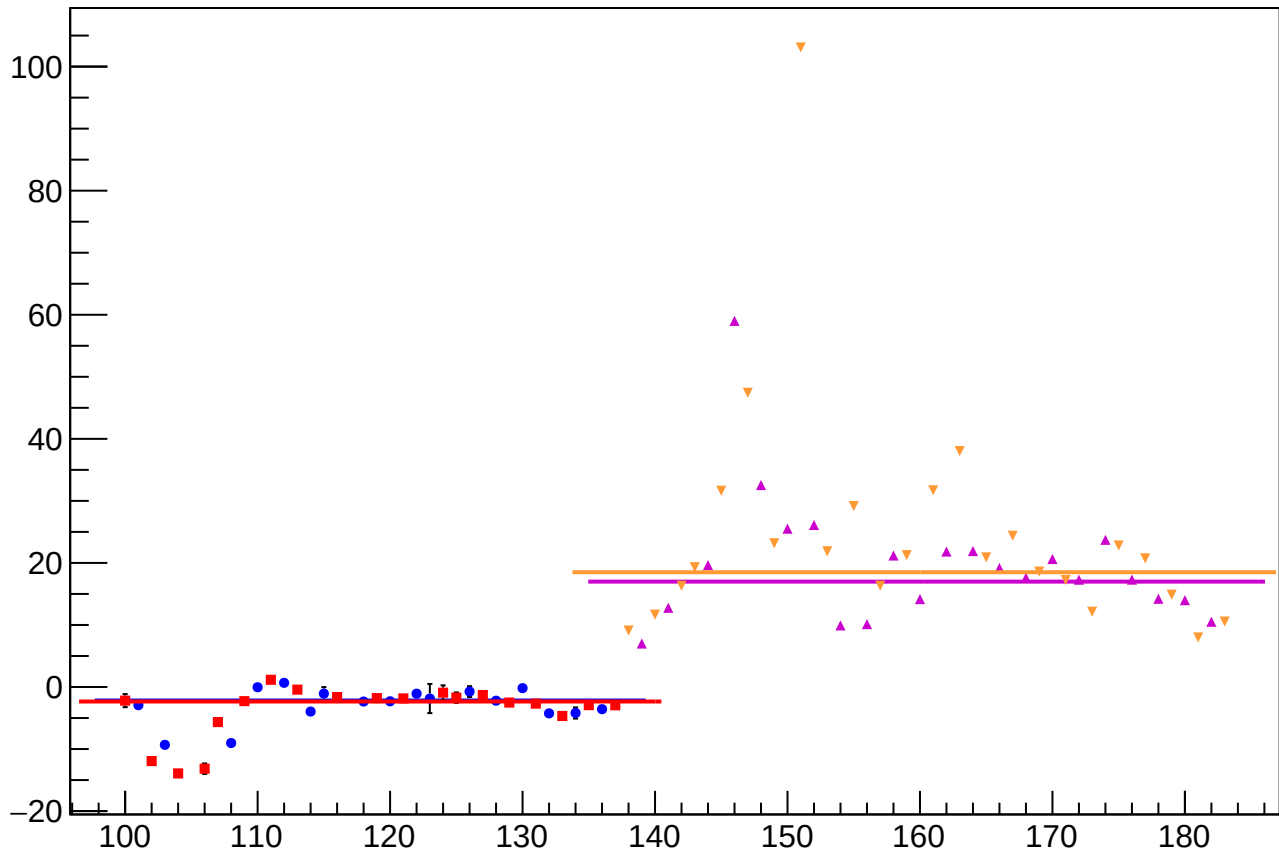
Left In: 0.425 $\pm$ 0.032 χ^2/NDF : 6094.1/21

+ sign 0.679 $\pm$ 0.029 χ^2/NDF : 7800.1/40

All: 0.619 $\pm$ 0.020 χ^2/NDF : 14917.8/81

- sign 0.566 $\pm$ 0.028 χ^2/NDF : 7110.1/40

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.181 ± 0.114 χ^2/NDF : 472.4/16

Left Out: 18.500 ± 0.040 χ^2/NDF : 77197.3/23

Right Out: -2.337 ± 0.101 χ^2/NDF : 910.1/18

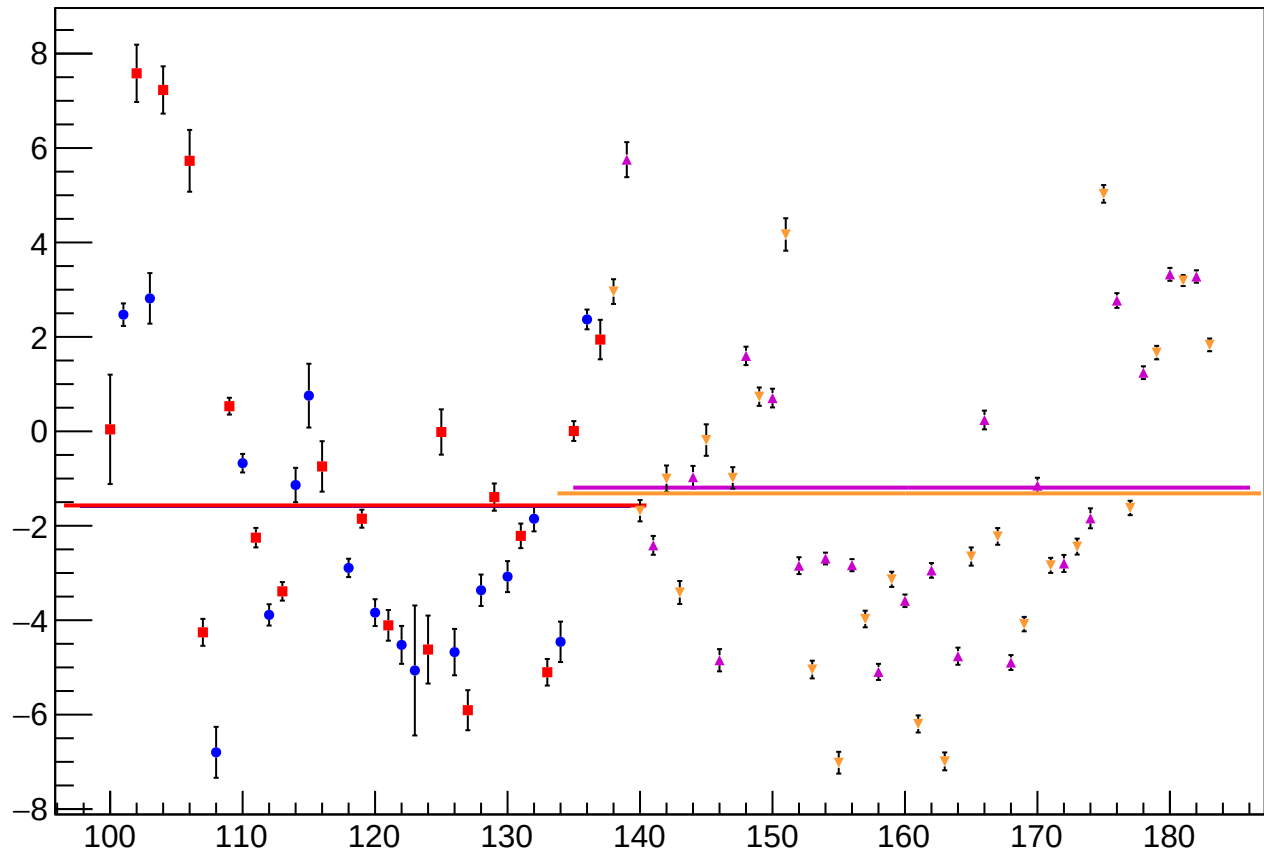
Left In: 16.988 ± 0.039 χ^2/NDF : 39470.2/21

+ sign 16.182 ± 0.038 χ^2/NDF : 107109.8/40

All: 15.287 ± 0.026 χ^2/NDF : 180380.7/81

- sign 14.460 ± 0.037 χ^2/NDF : 72204.0/40

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.581 ± 0.073 χ^2/NDF : 1247.7/16

Left Out: -1.314 ± 0.037 χ^2/NDF : 7886.3/23

Right Out: -1.570 ± 0.067 χ^2/NDF : 1477.5/18

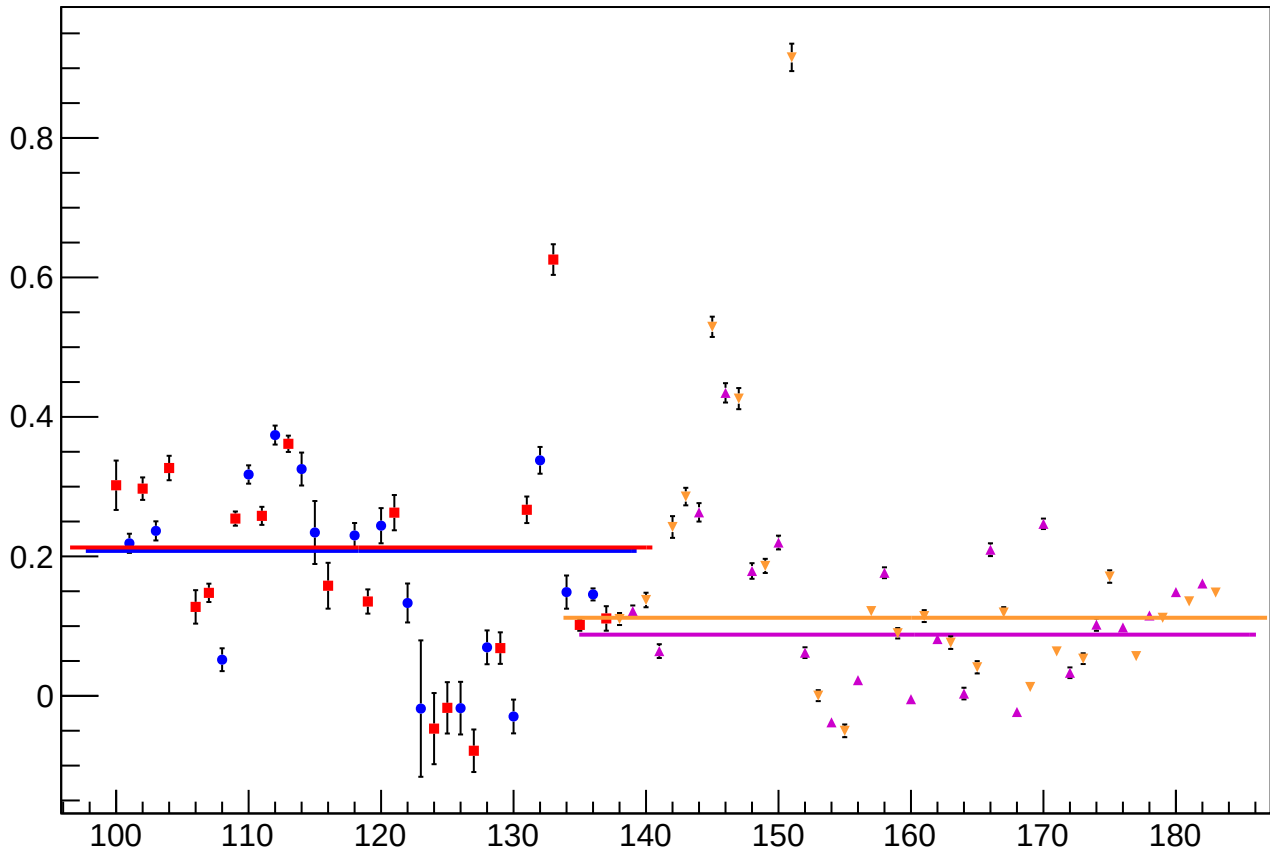
Left In: -1.192 ± 0.035 χ^2/NDF : 6593.1/21

+ sign -1.369 ± 0.033 χ^2/NDF : 9144.7/40

All: -1.319 ± 0.023 χ^2/NDF : 17244.6/81

- sign -1.274 ± 0.031 χ^2/NDF : 8095.6/40

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.208 ± 0.004 χ^2/NDF : 624.0/16

Left Out: 0.112 ± 0.002 χ^2/NDF : 4338.8/23

Right Out: 0.213 ± 0.004 χ^2/NDF : 1097.2/18

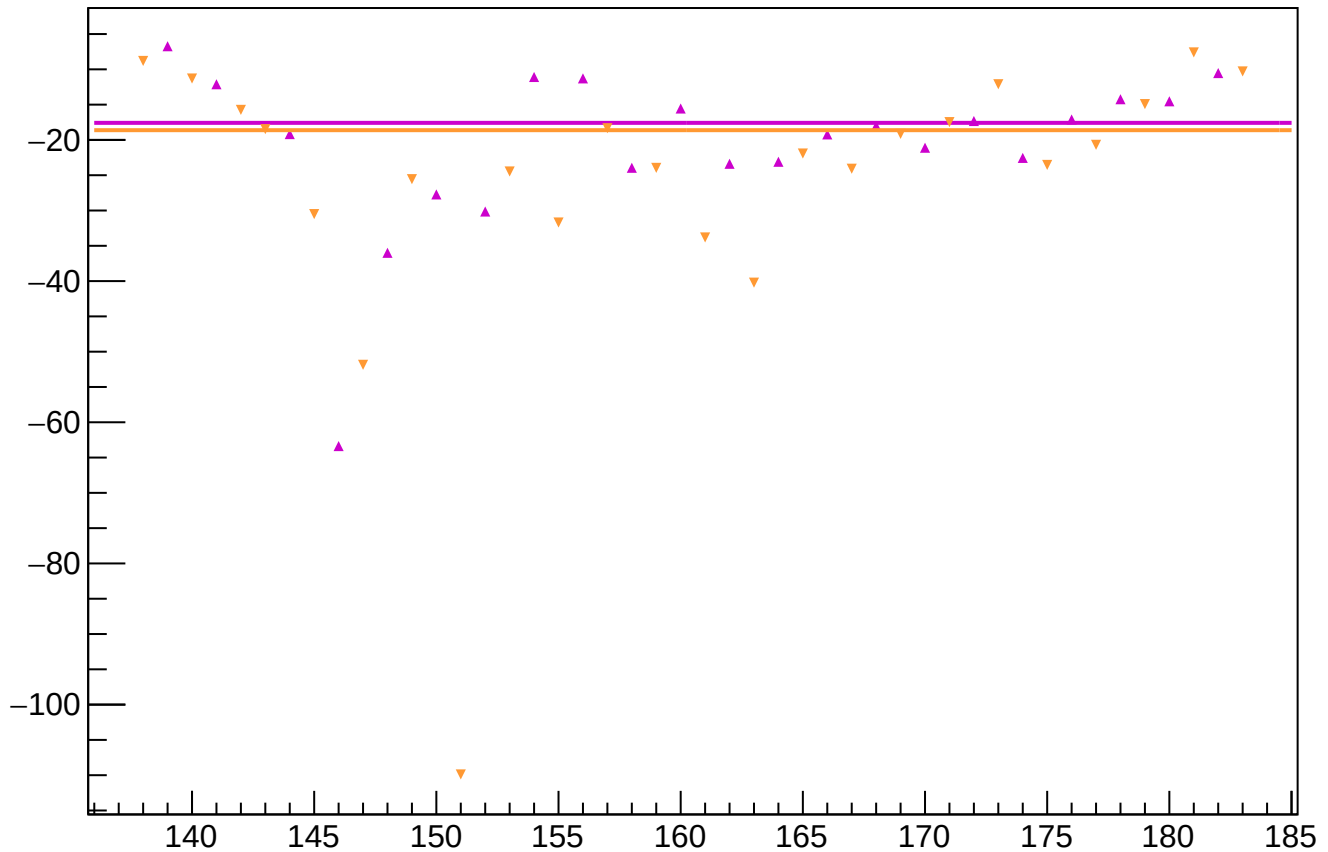
Left In: 0.088 ± 0.002 χ^2/NDF : 3581.1/21

+ sign 0.125 ± 0.002 χ^2/NDF : 5408.5/40

All: 0.115 ± 0.001 χ^2/NDF : 11108.2/81

- sign 0.106 ± 0.001 χ^2/NDF : 5620.6/40

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -18.620 $\pm$ 0.041 χ^2 /NDF: 86319.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

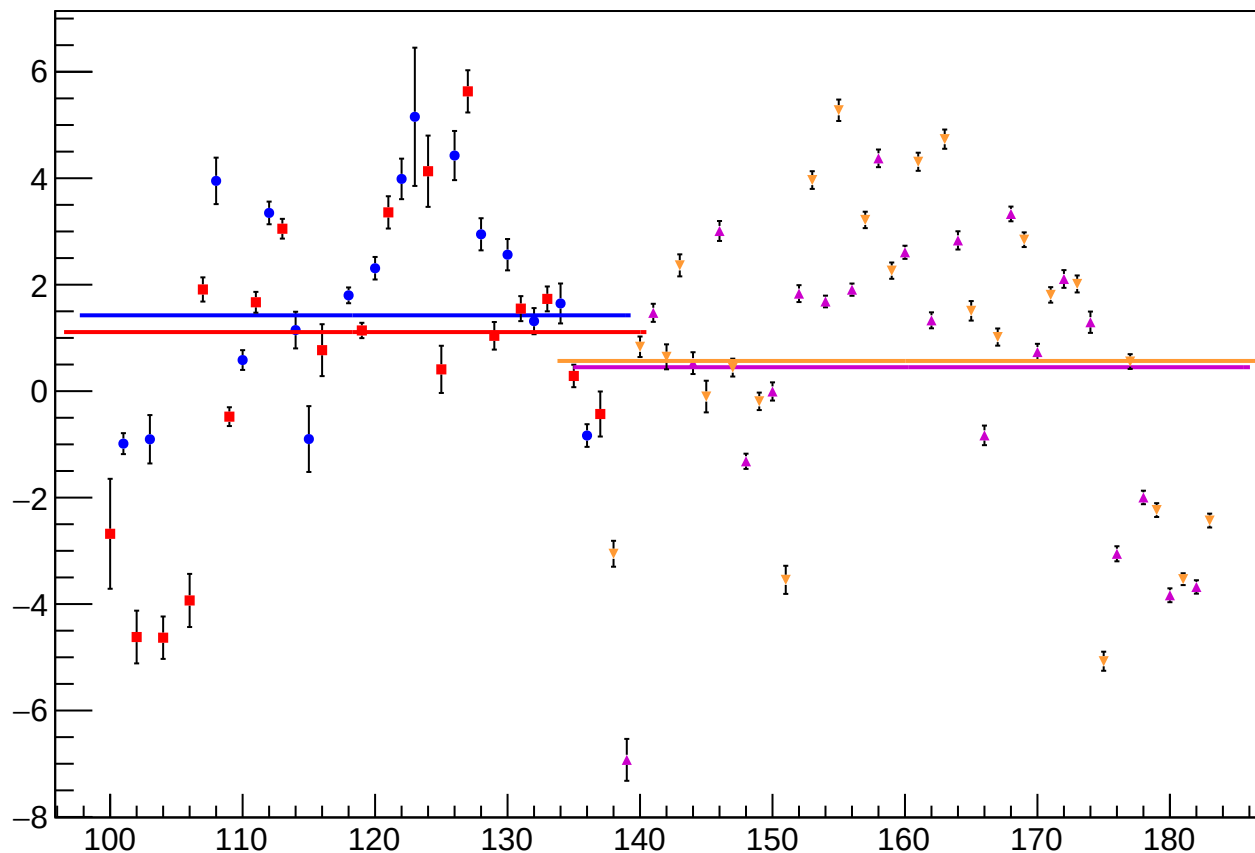
Left In: -17.580 $\pm$ 0.040 χ^2 /NDF: 42992.6/21

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -18.092 $\pm$ 0.028 χ^2 /NDF: 129644.7/45

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.425 ± 0.064 χ^2/NDF : 599.8/16

Left Out: 0.568 ± 0.034 χ^2/NDF : 6774.2/23

Right Out: 1.110 ± 0.060 χ^2/NDF : 915.7/18

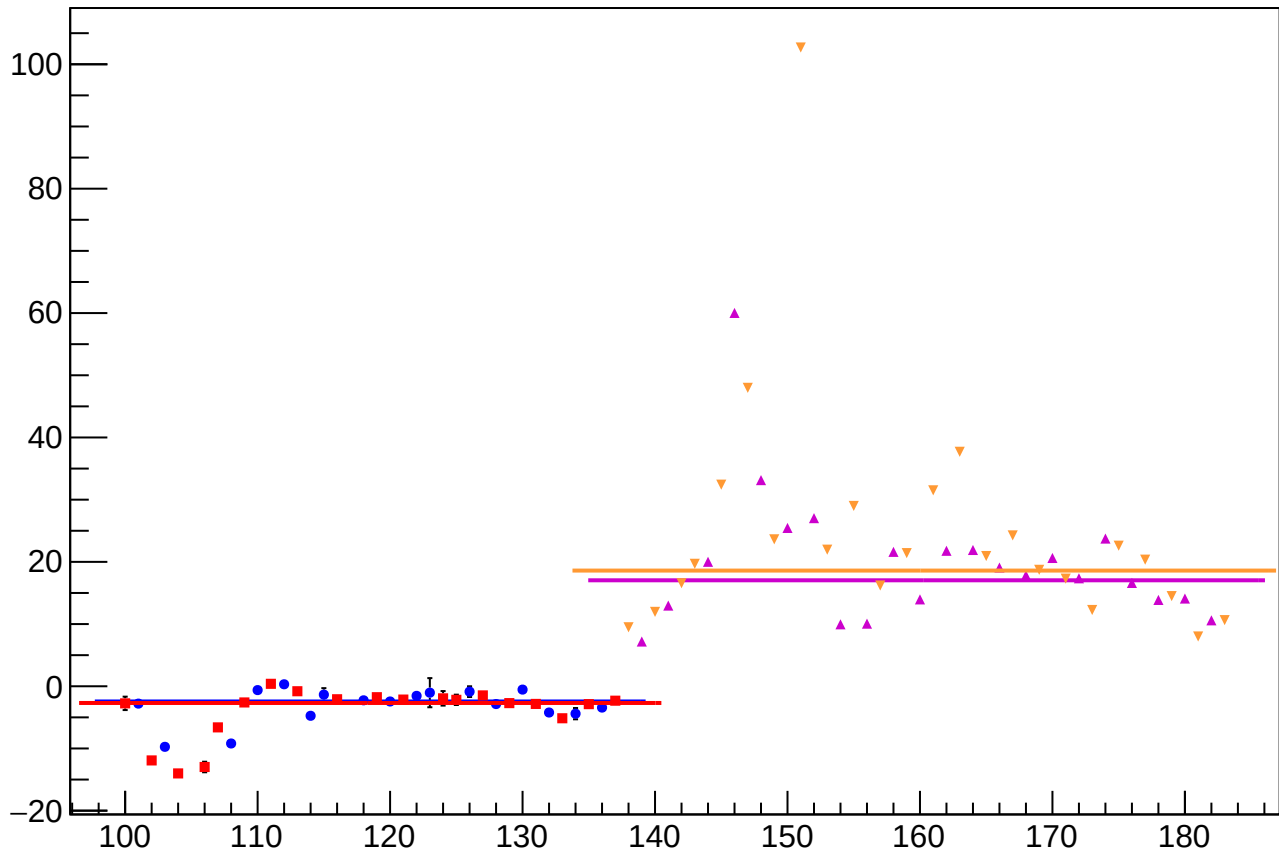
Left In: 0.450 ± 0.032 χ^2/NDF : 5927.2/21

+ sign 0.754 ± 0.030 χ^2/NDF : 7515.5/40

All: 0.671 ± 0.020 χ^2/NDF : 14467.5/81

- sign 0.597 ± 0.028 χ^2/NDF : 6937.2/40

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.446 ± 0.115 χ^2/NDF : 426.7/16

Left Out: 18.601 ± 0.041 χ^2/NDF : 76009.0/23

Right Out: -2.686 ± 0.103 χ^2/NDF : 831.5/18

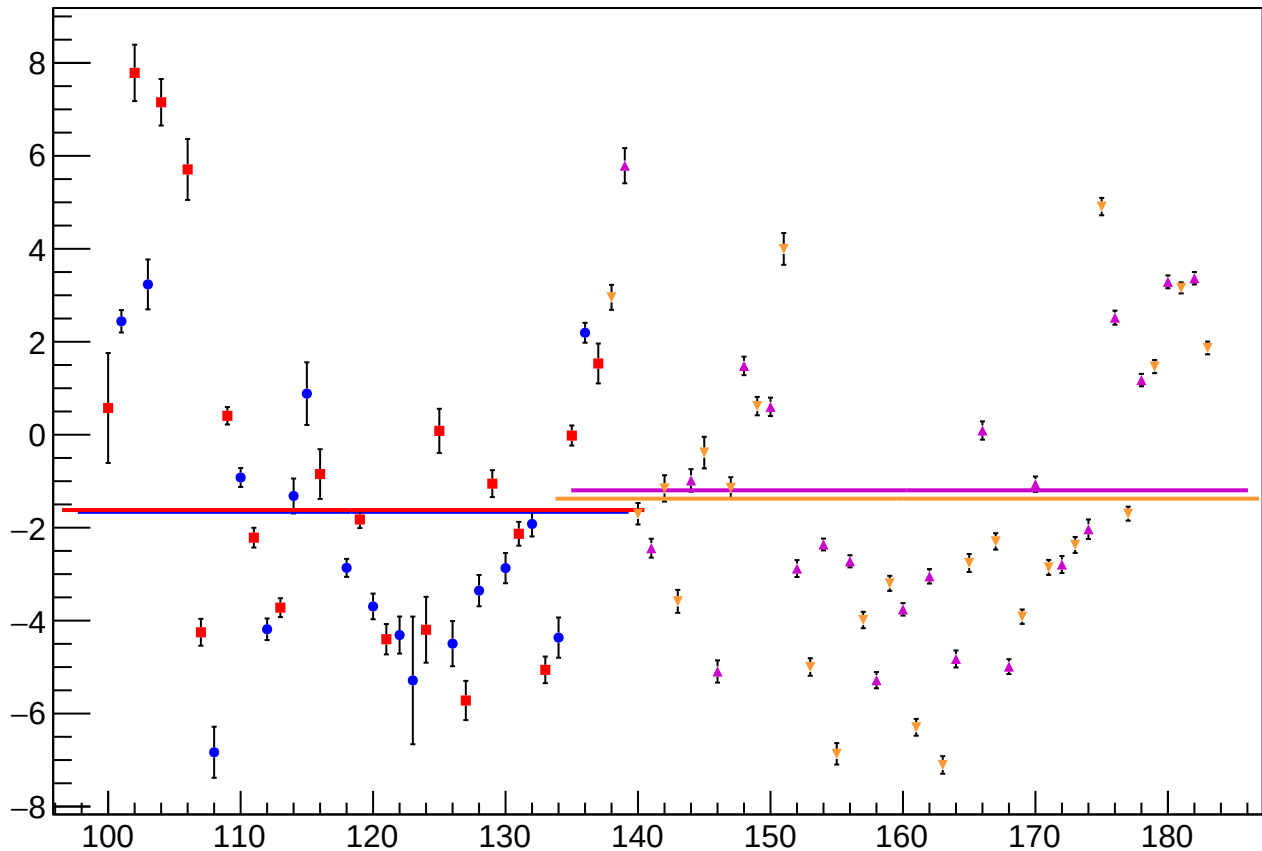
Left In: 17.037 ± 0.040 χ^2/NDF : 39858.7/21

+ sign 16.267 ± 0.038 χ^2/NDF : 106060.1/40

All: 15.357 ± 0.027 χ^2/NDF : 179681.0/81

- sign 14.516 ± 0.037 χ^2/NDF : 72540.1/40

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.659 ± 0.073 $\chi^2/\text{NDF}: 1190.9/16$

Left Out: -1.376 ± 0.037 $\chi^2/\text{NDF}: 7638.5/23$

Right Out: -1.620 ± 0.068 $\chi^2/\text{NDF}: 1448.8/18$

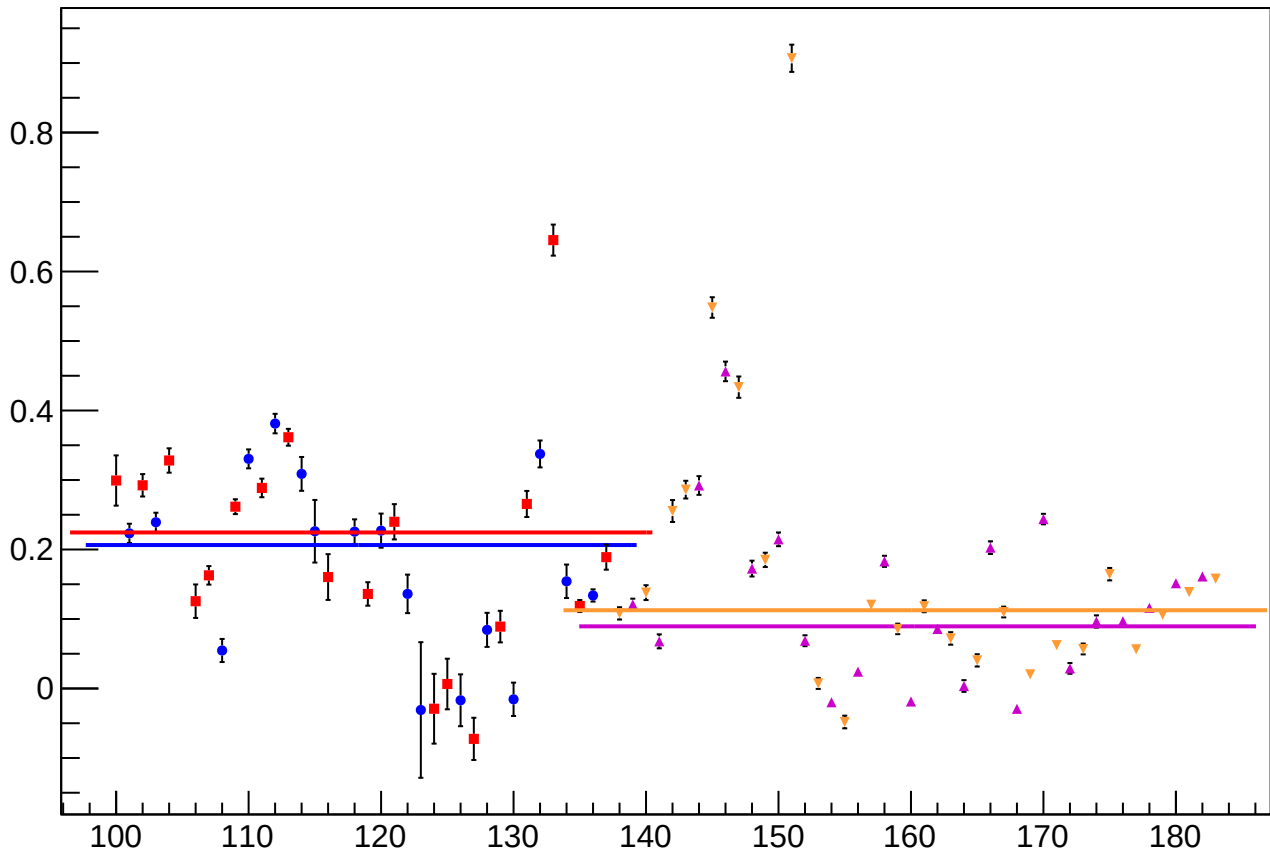
Left In: -1.196 ± 0.036 $\chi^2/\text{NDF}: 6474.7/21$

+ sign -1.434 ± 0.033 $\chi^2/\text{NDF}: 8841.2/40$

All: -1.357 ± 0.023 $\chi^2/\text{NDF}: 16805.4/81$

- sign -1.288 ± 0.032 $\chi^2/\text{NDF}: 7954.0/40$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.206 $\pm$ 0.004 χ^2 /NDF: 625.2/16

Left Out: 0.113 $\pm$ 0.002 χ^2 /NDF: 4328.2/23

Right Out: 0.225 $\pm$ 0.004 χ^2 /NDF: 995.0/18

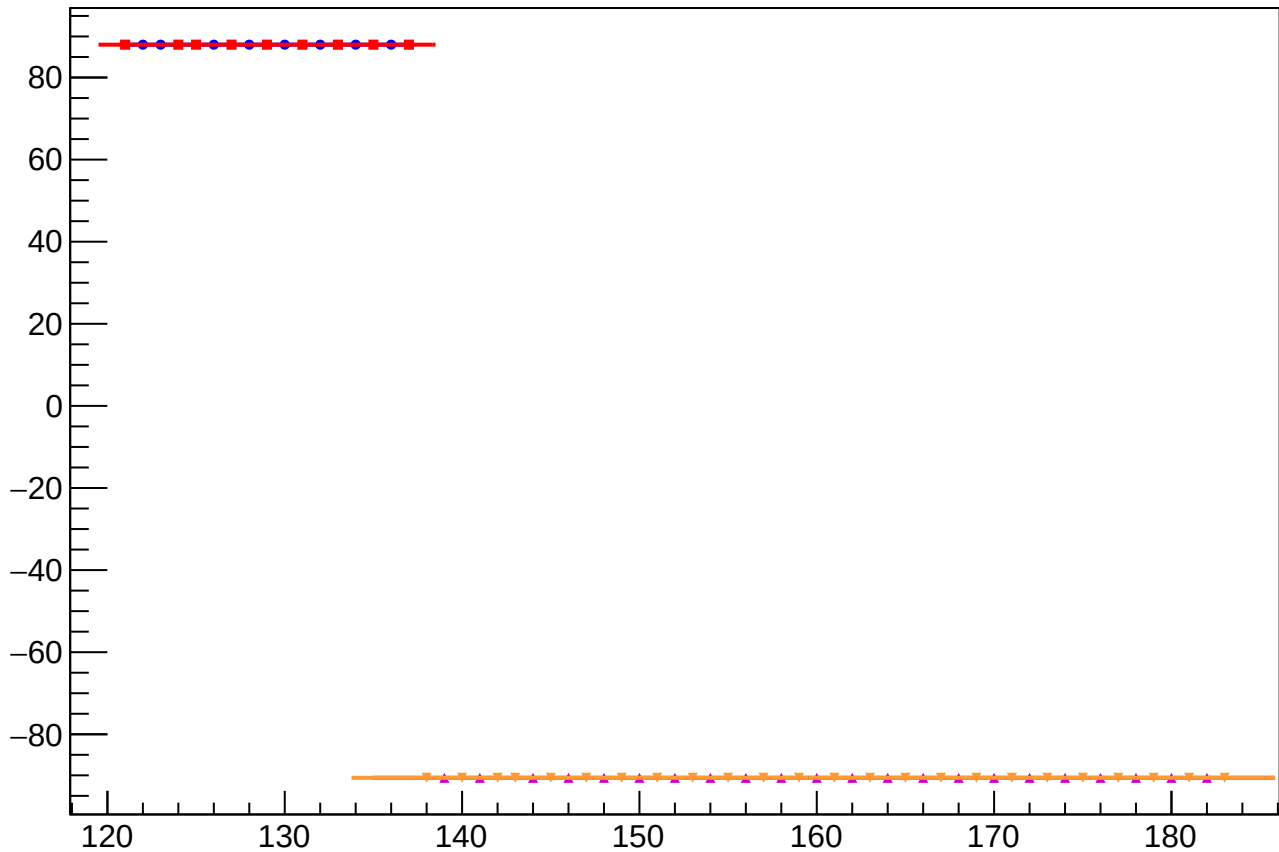
Left In: 0.089 $\pm$ 0.002 χ^2 /NDF: 3533.2/21

+ sign 0.125 $\pm$ 0.002 χ^2 /NDF: 5369.4/40

All: 0.116 $\pm$ 0.001 χ^2 /NDF: 11016.2/81

- sign 0.109 $\pm$ 0.001 χ^2 /NDF: 5588.9/40

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 922500.3/7

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5067087.1/23

Right Out: 88.001 $\pm$ 0.000 χ^2 /NDF: 211440.0/8

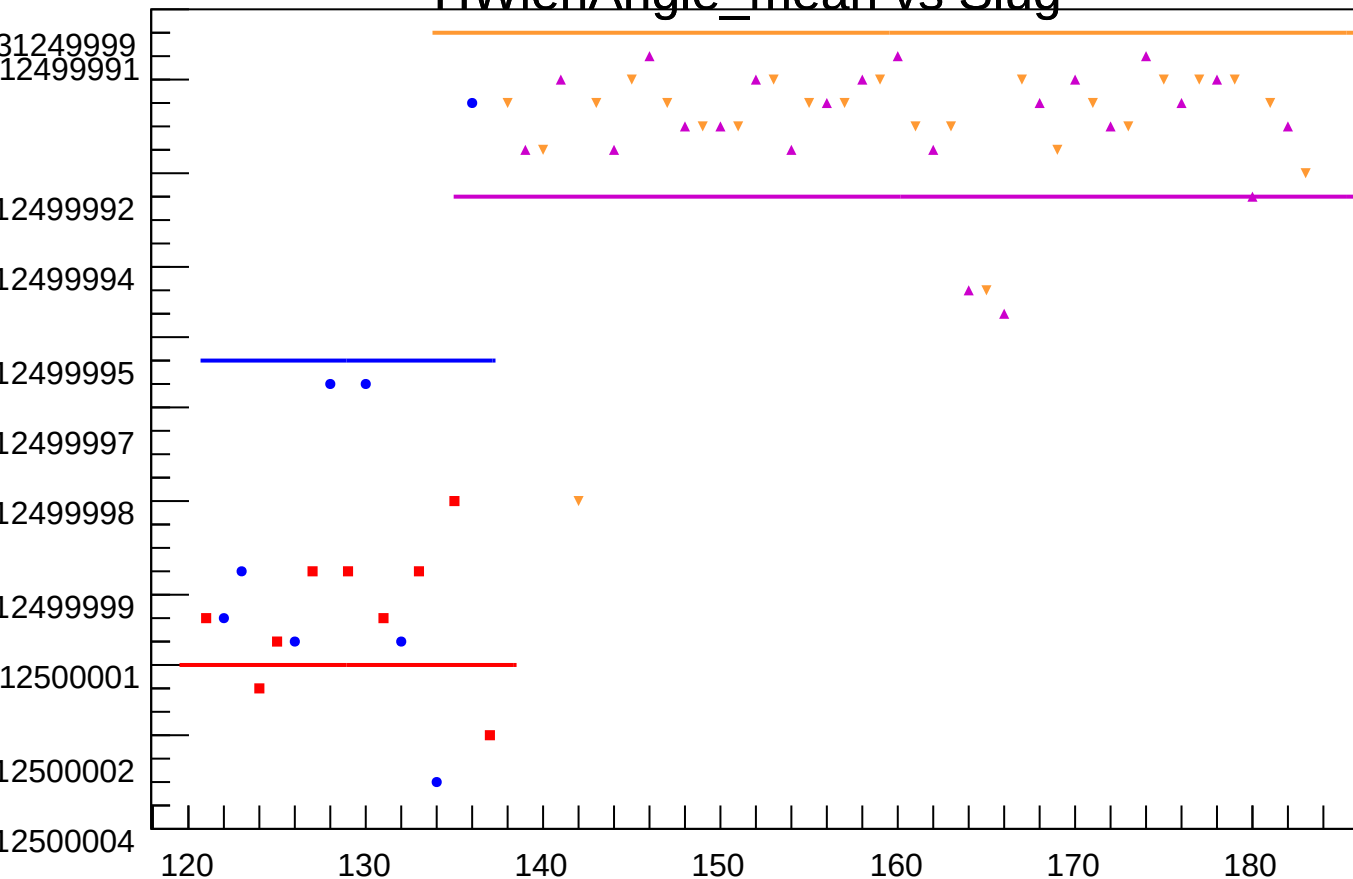
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5223799.0/21

+ sign -63.351 $\pm$ 0.000 χ^2 /NDF: 916365800743473

All: -63.485 $\pm$ 0.000 χ^2 /NDF: 177482877459

- sign -63.626 $\pm$ 0.000 χ^2 /NDF: 858454798296329

HWienAngle_mean vs Slug



Right In: -29.641 ± 0.000 χ^2/NDF : 433709.4/7

Left Out: -29.641 ± 0.000 χ^2/NDF : 583883.3/23

Right Out: -29.641 ± 0.000 χ^2/NDF : 61505.9/8

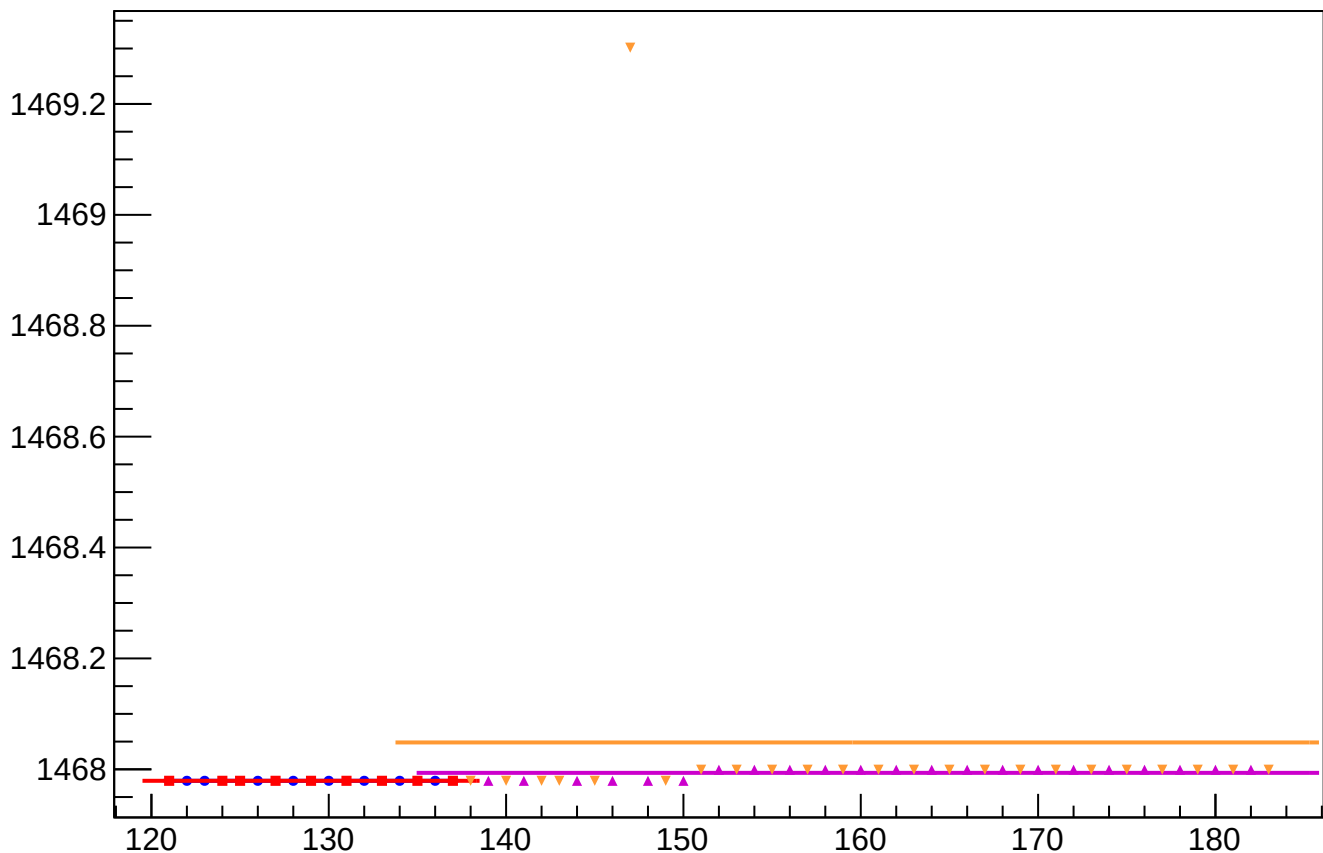
Left In: -29.641 ± 0.000 χ^2/NDF : 379688.2/21

+ sign -29.641 ± 0.000 χ^2/NDF : 1333288.5/31

All: -29.641 ± 0.000 χ^2/NDF : 4365808.7/62

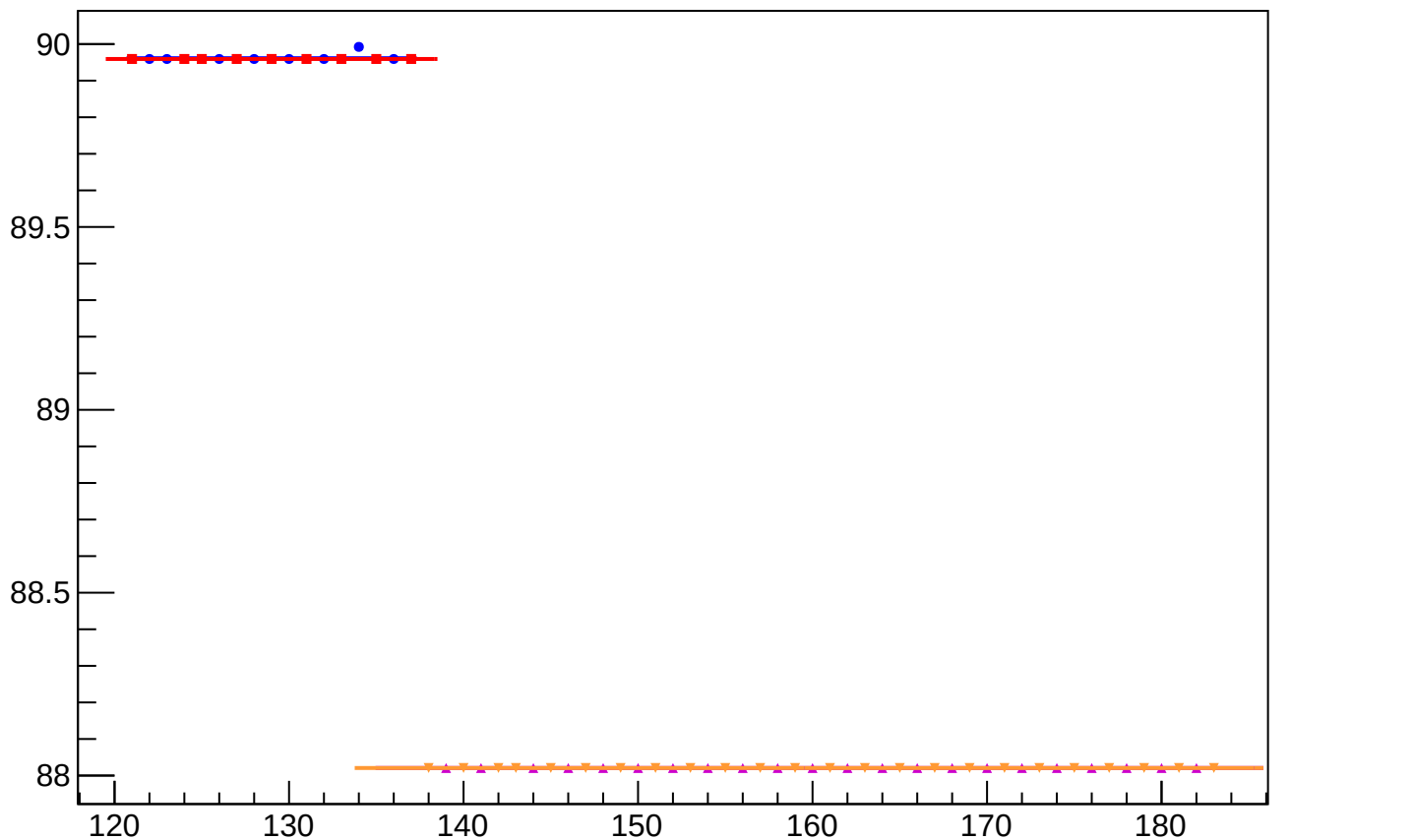
- sign -29.641 ± 0.000 χ^2/NDF : 1559483.3/30

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 426876894.9/7
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127896617950256697964439416078336.0/23
 Right Out: 1467.979+/-0.000 χ^2/NDF : 100967733.5/8
 Left In: 1467.994+/-0.000 χ^2/NDF : 144928395026360817695869370368.0/21
 + sign 1468.038+/-0.000 χ^2/NDF : 12927123138688
 All: 1468.015+/-0.000 χ^2/NDF : 13180137242
 - sign 1467.991+/-0.000 χ^2/NDF : 20012348731022

Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21516176742595877338351665152.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 4884727.7/23

Right Out: 89.959+/-0.000 χ^2/NDF : 437824.1/8

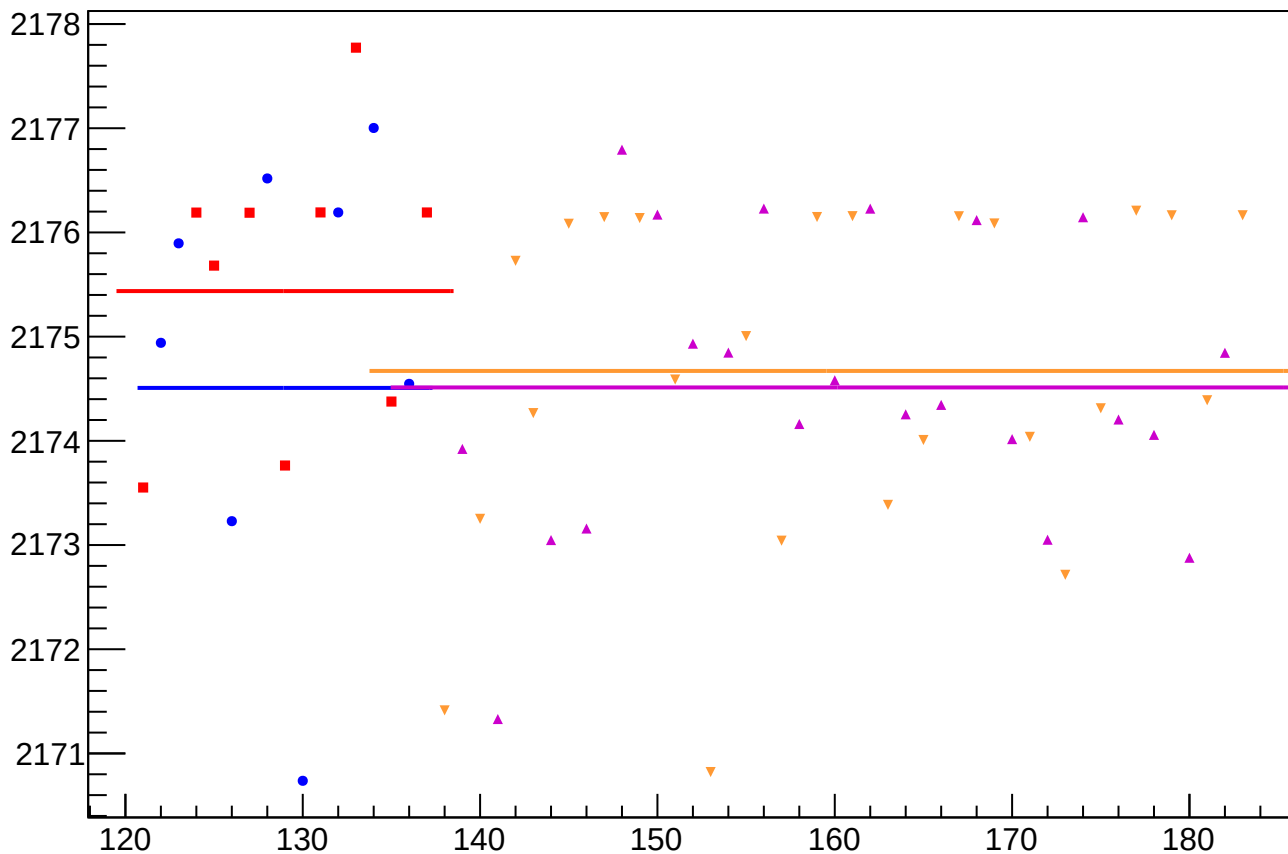
Left In: 88.021+/-0.000 χ^2/NDF : 5609722.4/21

+ sign 88.317+/-0.000 χ^2/NDF : 1081944595857227

All: 88.315+/-0.000 χ^2/NDF : 2093368435627

- sign 88.313+/-0.000 χ^2/NDF : 1011412087952679

HALLA_p_mean vs Slug



Right In: 2174.508 $\pm$ 0.000 χ^2 /NDF: 1288672467722248839202216695824384.0/7

Left Out: 2174.671 $\pm$ 0.000 χ^2 /NDF: 4792322936311450421282844457304064.0/23

Right Out: 2175.437 $\pm$ 0.000 χ^2 /NDF: 609897805551545828750017702133760.0/8

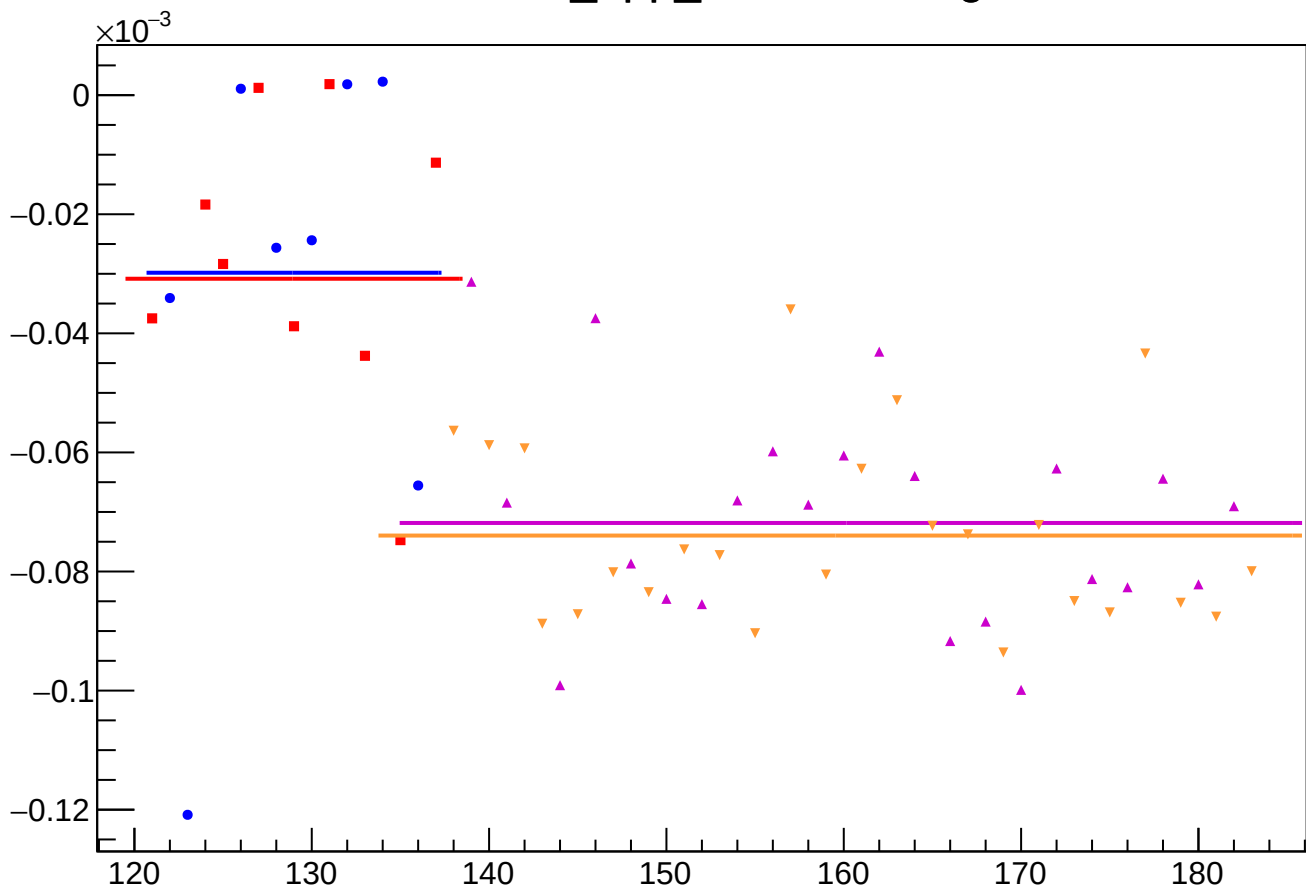
Left In: 2174.512 $\pm$ 0.000 χ^2 /NDF: 3321915062850093614819038843633664.0/21

+ sign 2174.646 $\pm$ 0.000 χ^2 /NDF: 60886194414754

All: 2174.649 $\pm$ 0.000 χ^2 /NDF: 10250651852

- sign 2174.652 $\pm$ 0.000 χ^2 /NDF: 41619934939338

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 248631969637472403456000.0/7

Left Out: -0.000 ± 0.000 χ^2/NDF : 448976665415049652731904.0/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 195498158247260480077824.0/8

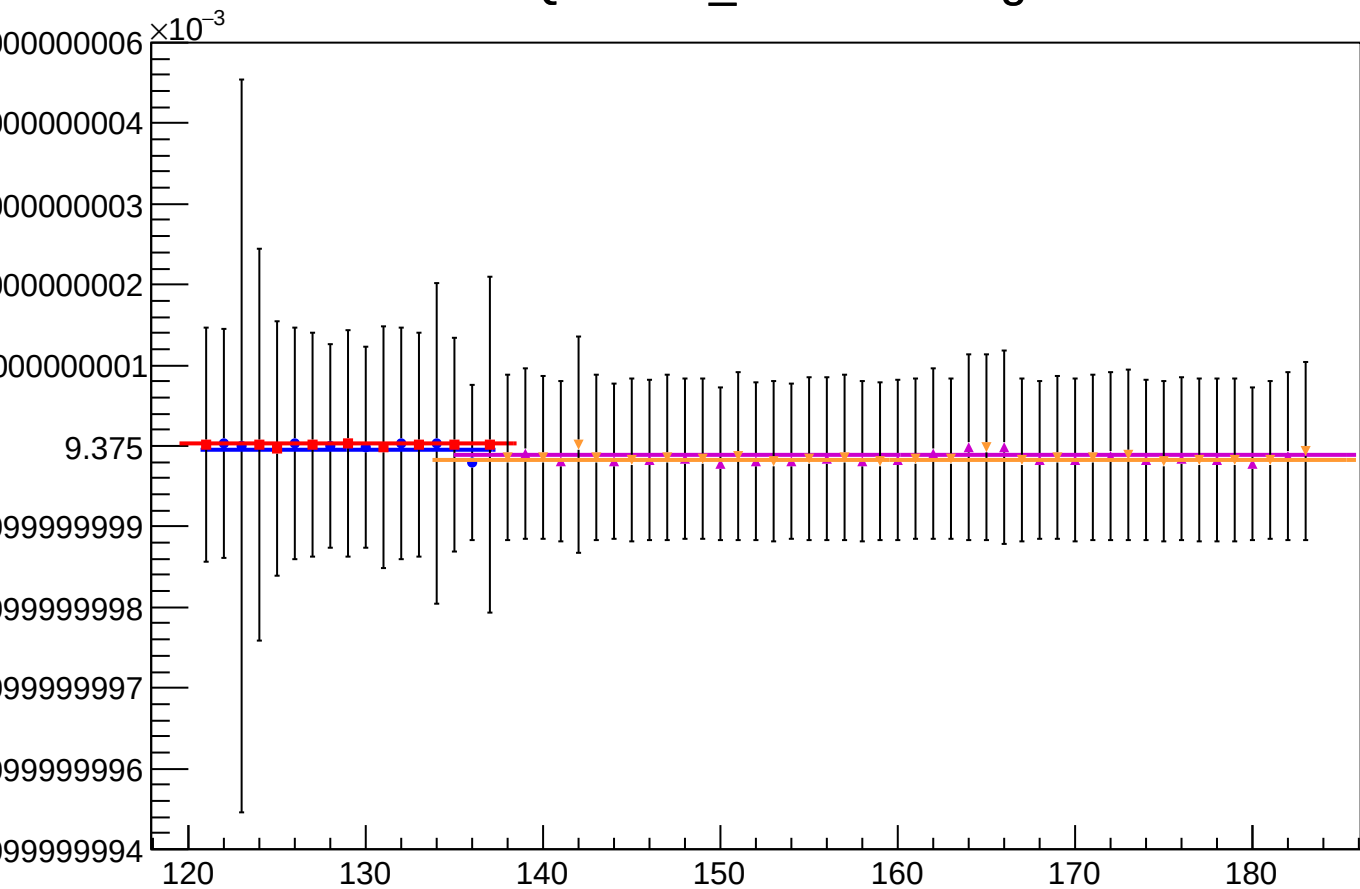
Left In: -0.000 ± 0.000 χ^2/NDF : 559100581311803738292224.0/21

+ sign -0.000 ± 0.000 χ^2/NDF : 1257289998033809

All: -0.000 ± 0.000 χ^2/NDF : 2467311879513

- sign -0.000 ± 0.000 χ^2/NDF : 1207344667331770

MQ171LM_mean vs Slug



Right In: 0.009 ± 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 ± 0.000 χ^2/NDF : 0.1/23

Right Out: 0.009 ± 0.000 χ^2/NDF : 0.0/8

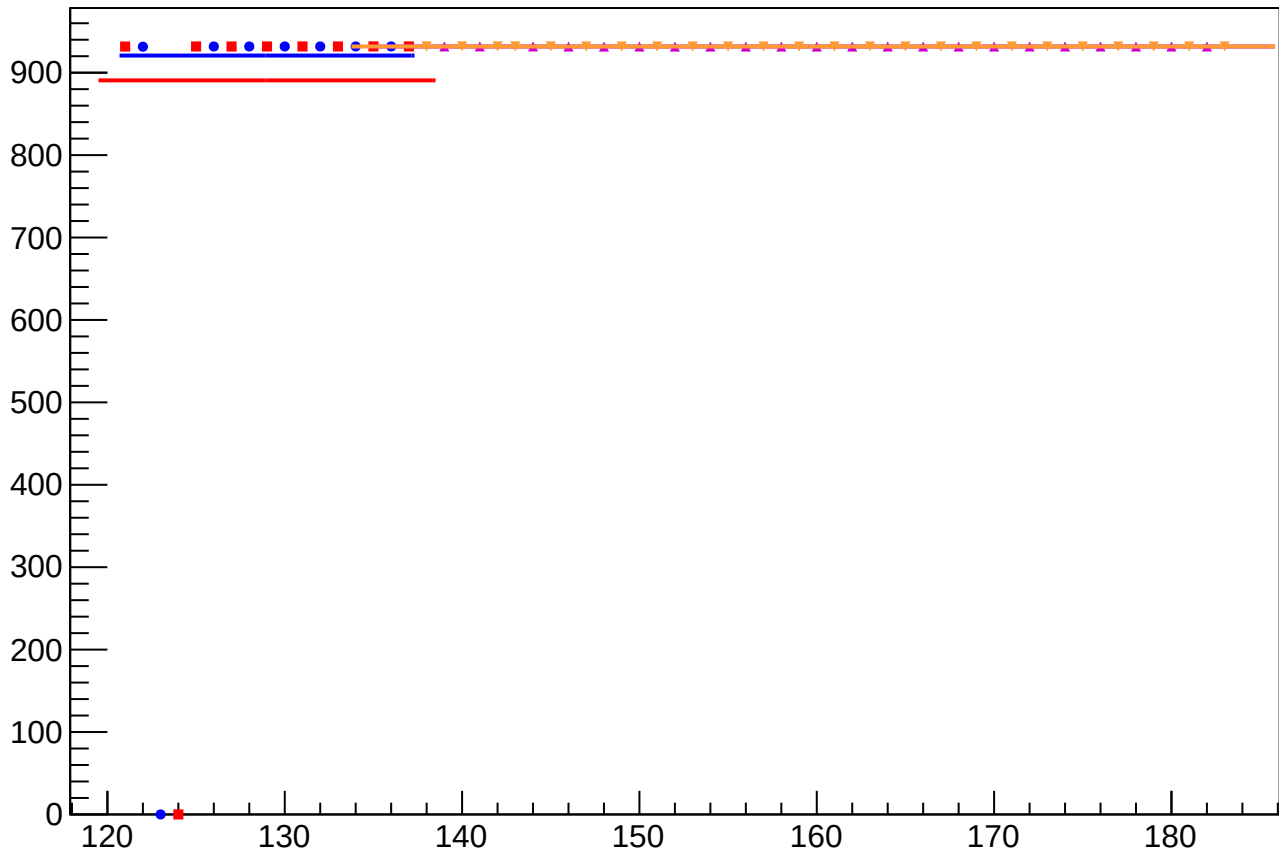
Left In: 0.009 ± 0.000 χ^2/NDF : 0.1/21

+ sign 0.009 ± 0.000 χ^2/NDF : 0.1/31

All: 0.009 ± 0.000 χ^2/NDF : 0.3/62

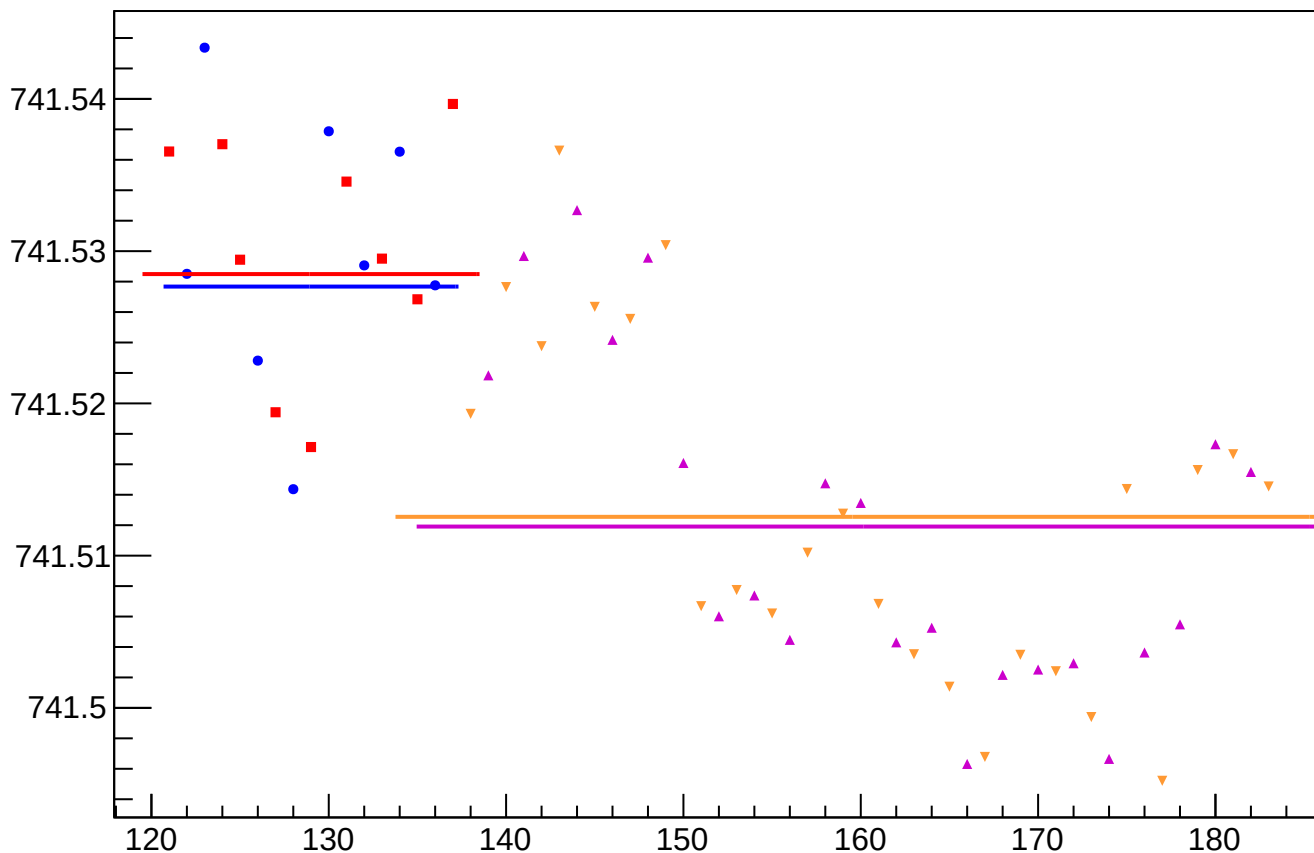
- sign 0.009 ± 0.000 χ^2/NDF : 0.1/30

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.801 $\pm$ 0.000 χ^2 /NDF: 3431767977579138653856652958525030400.0/7
 Left Out: 931.786 $\pm$ 0.000 χ^2 /NDF: 3995668331315430533094925402112.0/23
 Right Out: 890.665 $\pm$ 0.000 χ^2 /NDF: 11618305184314211867640193192732655616.0/8
 Left In: 931.778 $\pm$ 0.000 χ^2 /NDF: 355065965545080952597568815104.0/21
 All: 927.904 $\pm$ 0.000 χ^2 /NDF: 15561896735
 + sign 930.110 $\pm$ 0.000 χ^2 /NDF: 346643591728619
 - sign 925.569 $\pm$ 0.000 χ^2 /NDF: 120732052363216

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528+/-0.000 χ^2/NDF : 18410222451199973732634329088.0/7

Left Out: 741.513+/-0.000 χ^2/NDF : 229181241151695465582969225216.0/23

Right Out: 741.528+/-0.000 χ^2/NDF : 16449370370749481853797793792.0/8

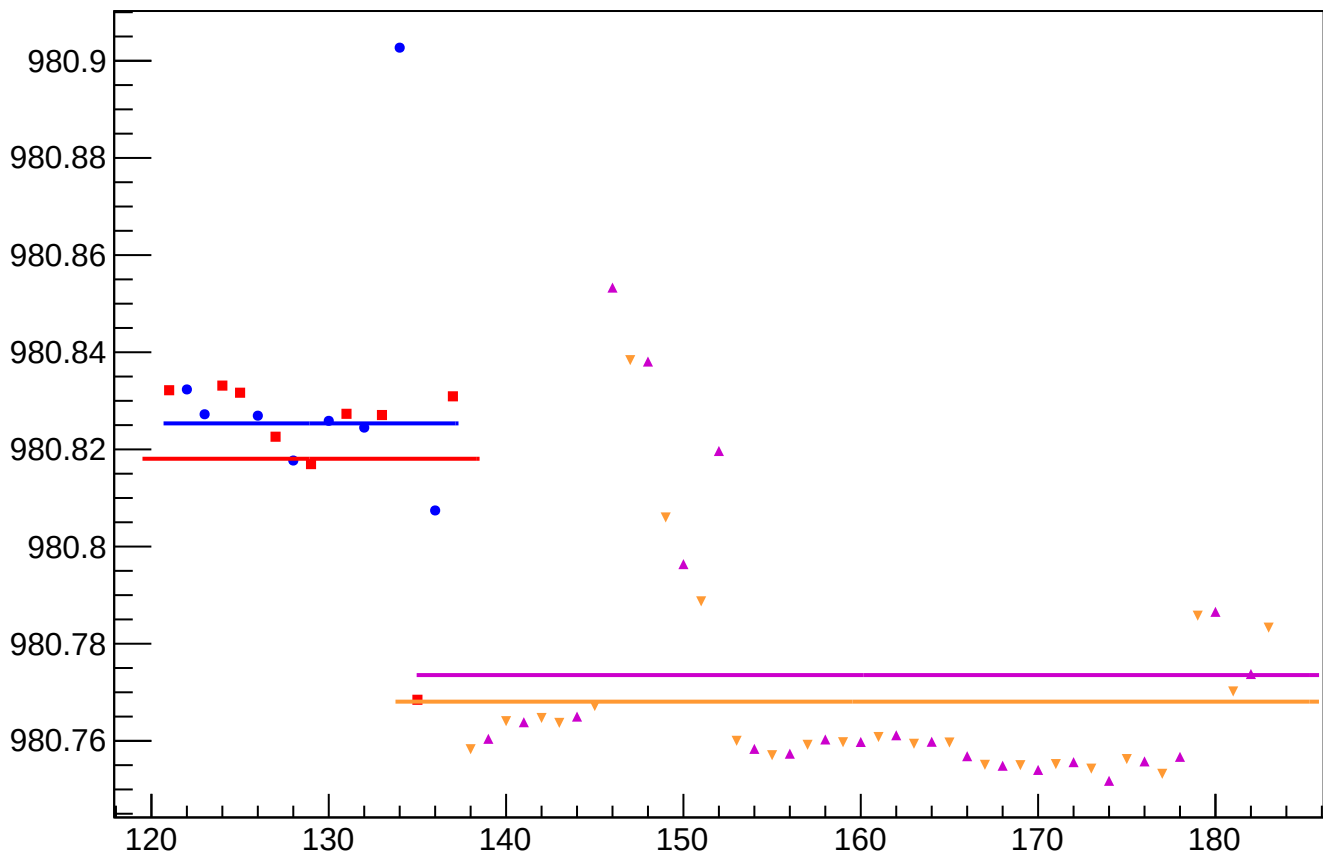
Left In: 741.512+/-0.000 χ^2/NDF : 197522272784410263153113300992.0/21

+ sign 741.515+/-0.000 χ^2/NDF : 313302821565464

All: 741.515+/-0.000 χ^2/NDF : 601501261364

- sign 741.514+/-0.000 χ^2/NDF : 287987599640398

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000

χ^2/NDF : 159096869175585744562040078336.0/7

Left Out: 980.768+/-0.000

χ^2/NDF : 719018657768276224209831591936.0/23

Right Out: 980.818+/-0.000

χ^2/NDF : 143449983287257544108372131840.0/8

Left In: 980.774+/-0.000

χ^2/NDF : 1438074427204755756999126286336.0/21

+ sign 980.777+/-0.000

χ^2/NDF : 182070211322443

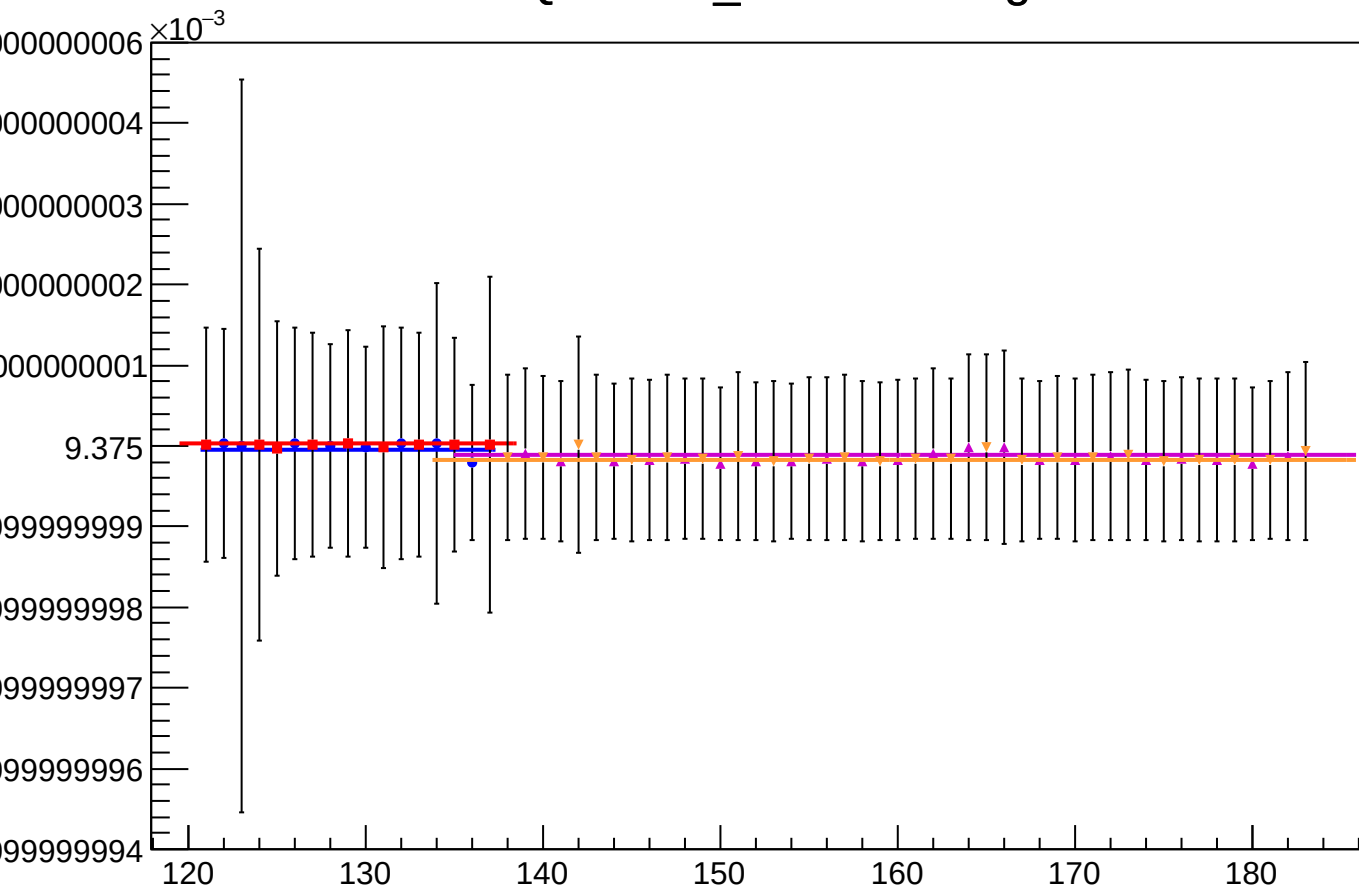
All: 980.778+/-0.000

χ^2/NDF : 39488218768

- sign 980.780+/-0.000

χ^2/NDF : 211523062741850

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/23

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

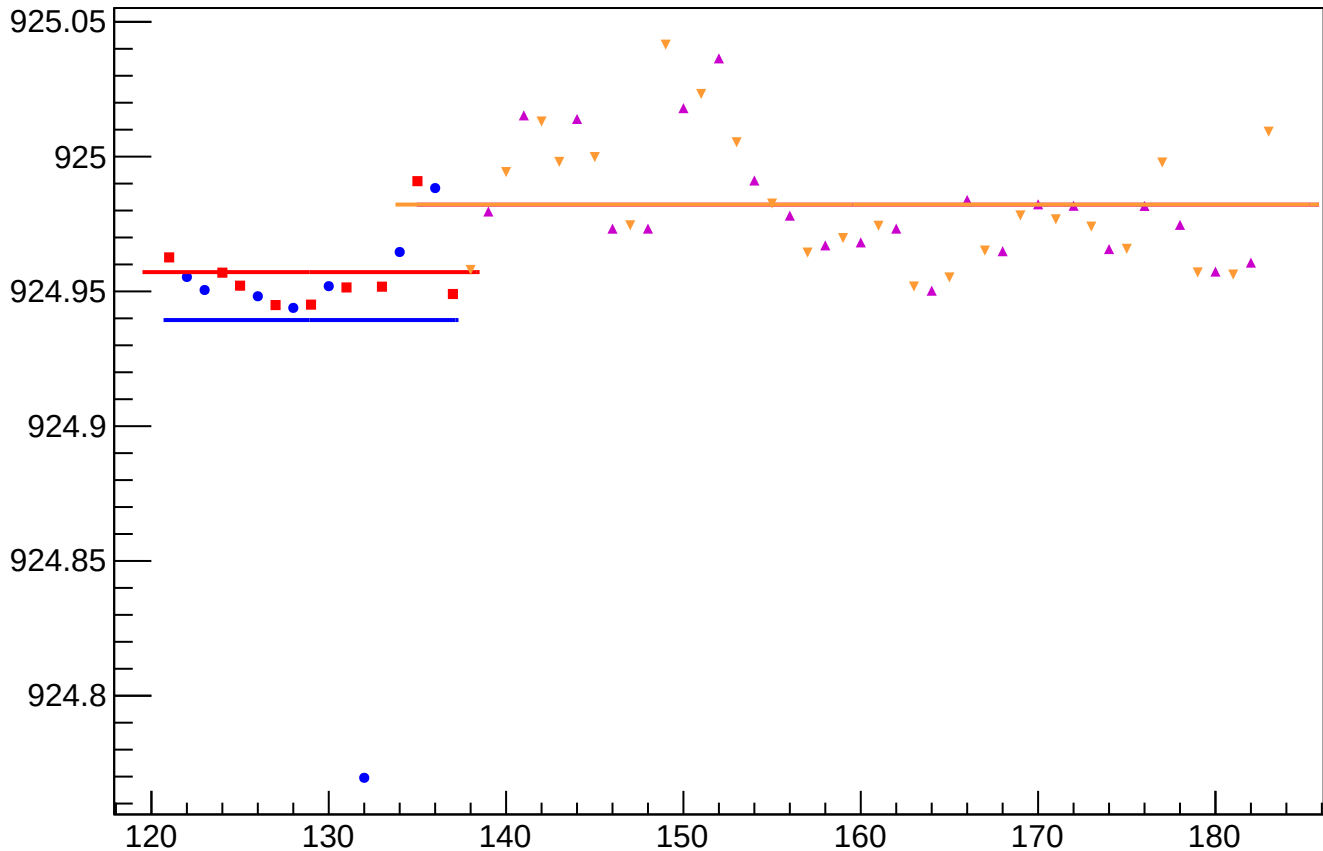
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/21

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/62

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/30

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 $\pm$ 0.000 χ^2 /NDF: 1401388477255469733232112566272.0/7

Left Out: 924.982 $\pm$ 0.000 χ^2 /NDF: 1022000723547845099099999174656.0/23

Right Out: 924.957 $\pm$ 0.000 χ^2 /NDF: 71753961121998015100639772672.0/8

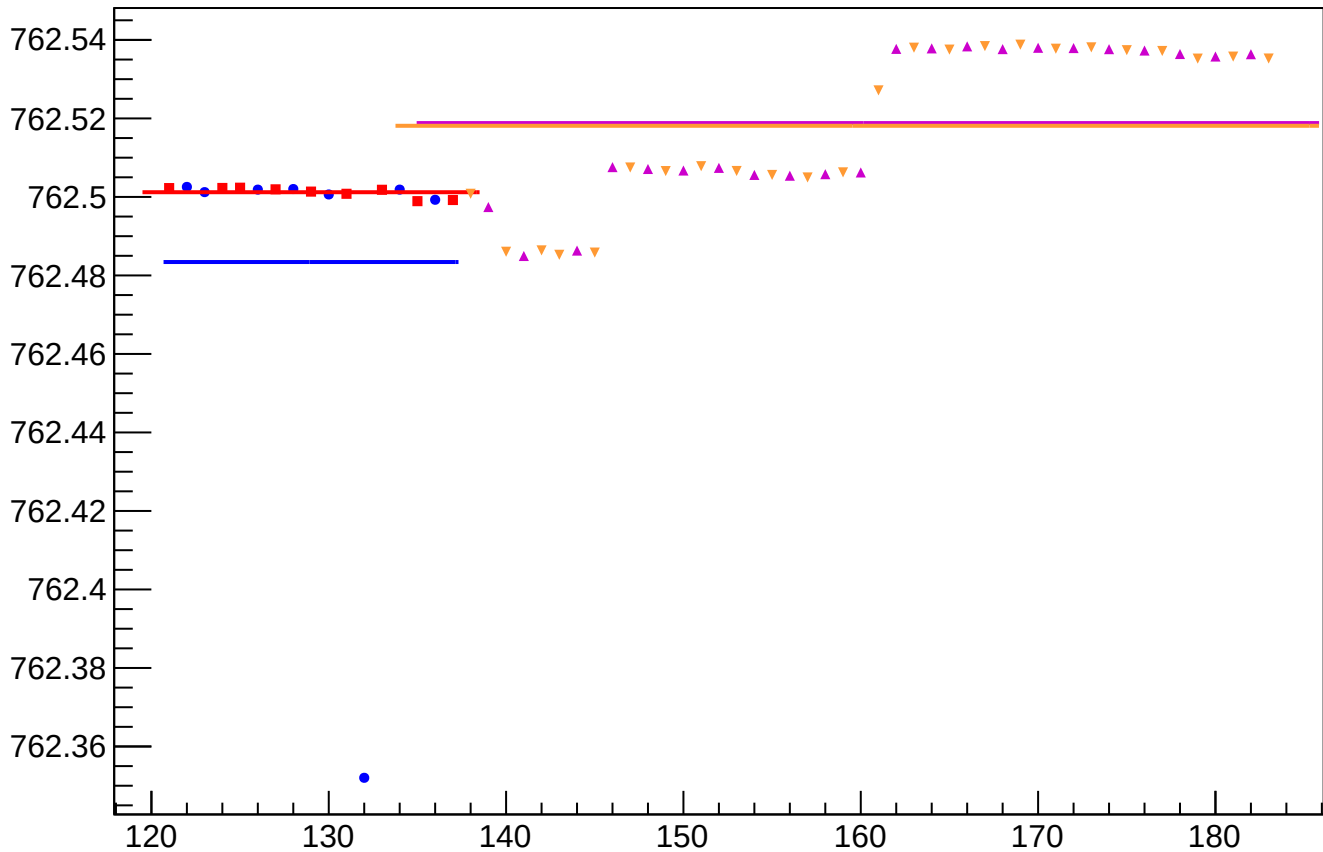
Left In: 924.982 $\pm$ 0.000 χ^2 /NDF: 828759062858597635621172281344.0/21

+ sign 924.976 $\pm$ 0.000 χ^2 /NDF: 295073477052115

All: 924.977 $\pm$ 0.000 χ^2 /NDF: 402744672083

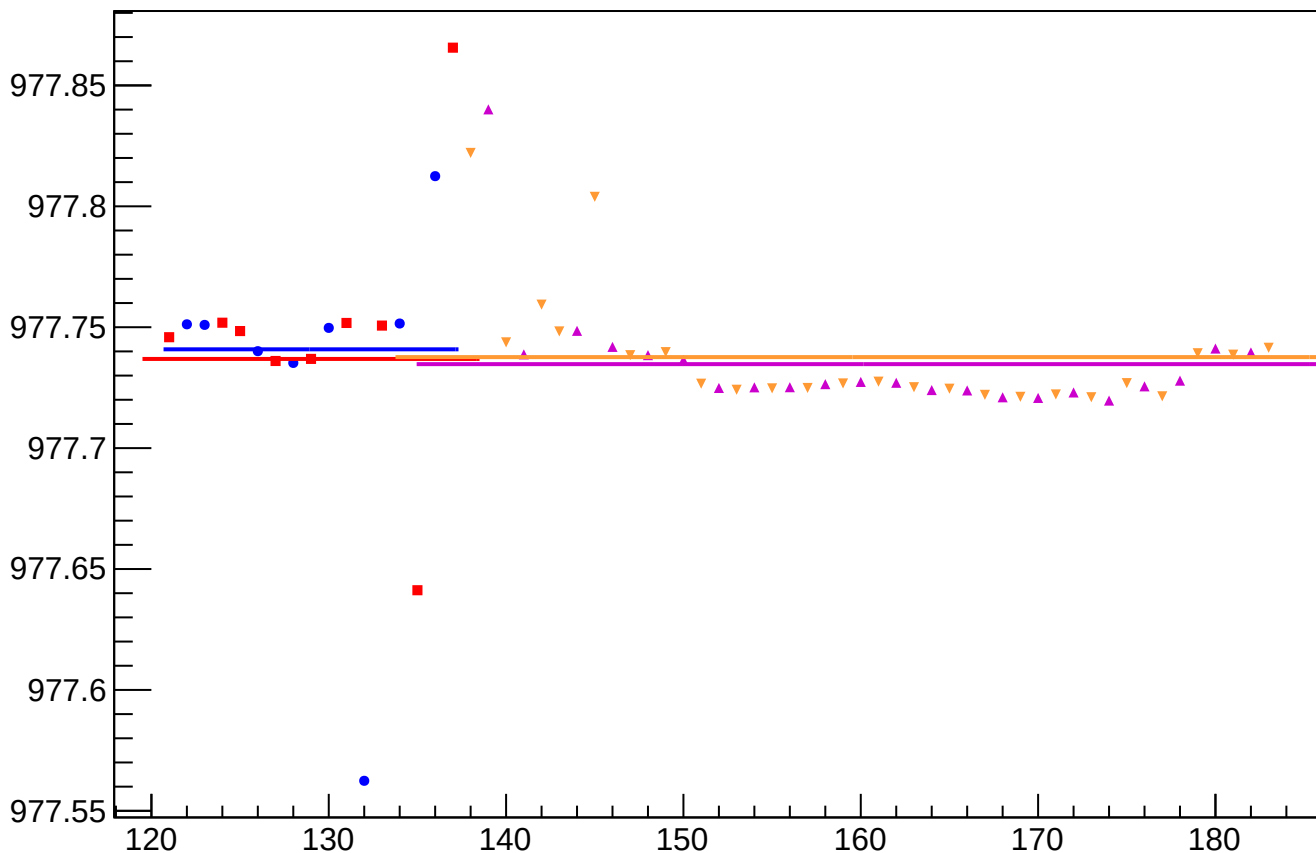
- sign 924.978 $\pm$ 0.000 χ^2 /NDF: 106880052458703

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.483+/-0.000 χ^2/NDF : 783456713793632421311688998912.0/7
 Left Out: 762.518+/-0.000 χ^2/NDF : 724407070894652312174605631488.0/23
 Right Out: 762.501+/-0.000 χ^2/NDF : 468364983766916667715616768.0/8
 Left In: 762.519+/-0.000 χ^2/NDF : 621006392422015159570760990720.0/21
 All: 762.514+/-0.000 χ^2/NDF : 257083812163

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741 $\pm$ 0.000 χ^2 /NDF: 1738037233029946574744730992640.0/7

Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1153489077132737608063918276608.0/23

Right Out: 977.737 $\pm$ 0.000 χ^2 /NDF: 771953144544759396277170470912.0/8

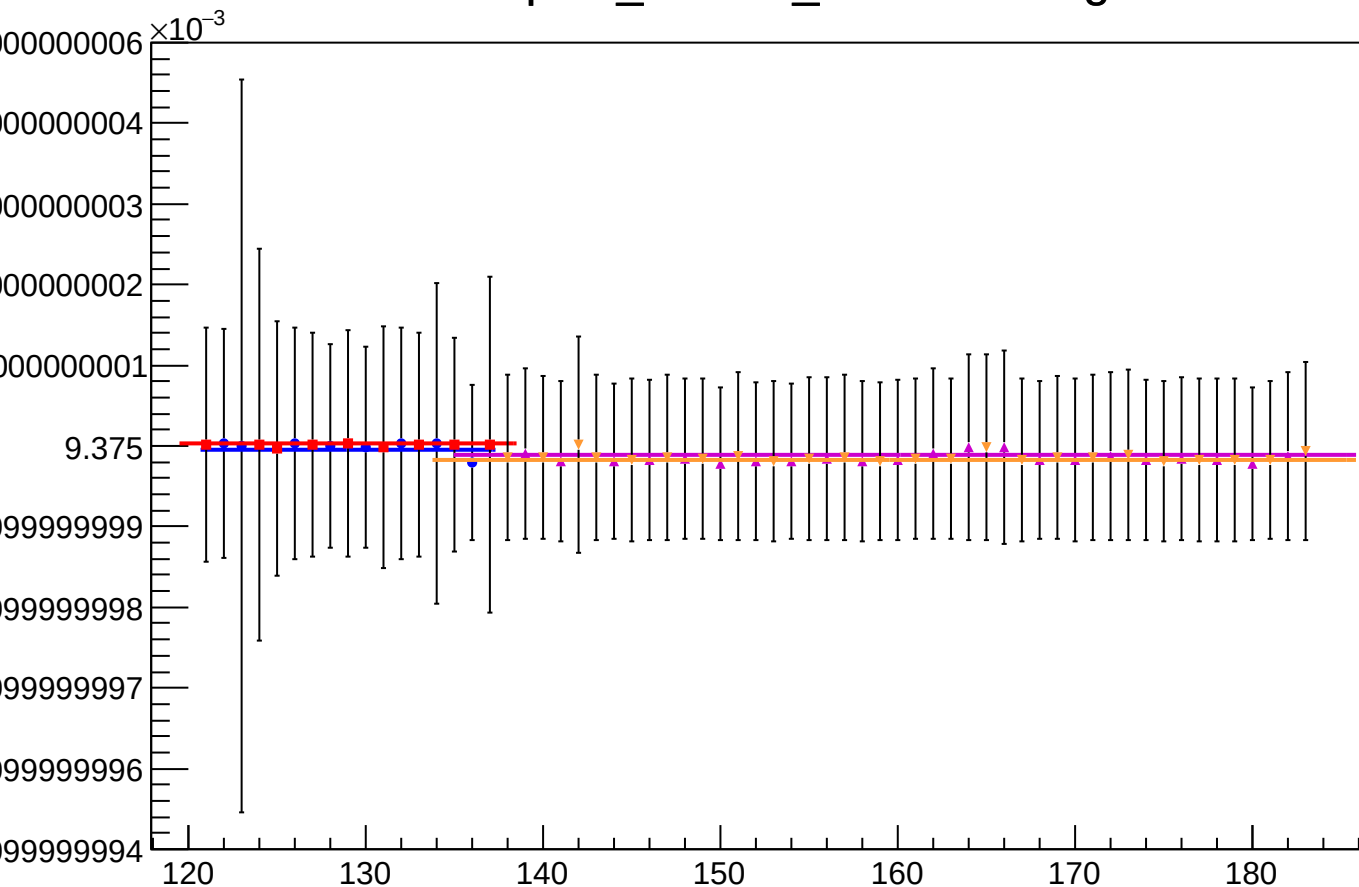
Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 975612892317024195893811740672.0/21

+ sign 977.738 $\pm$ 0.000 χ^2 /NDF: 289450667764898

All: 977.737 $\pm$ 0.000 χ^2 /NDF: 465351801948

- sign 977.735 $\pm$ 0.000 χ^2 /NDF: 174880724907160

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

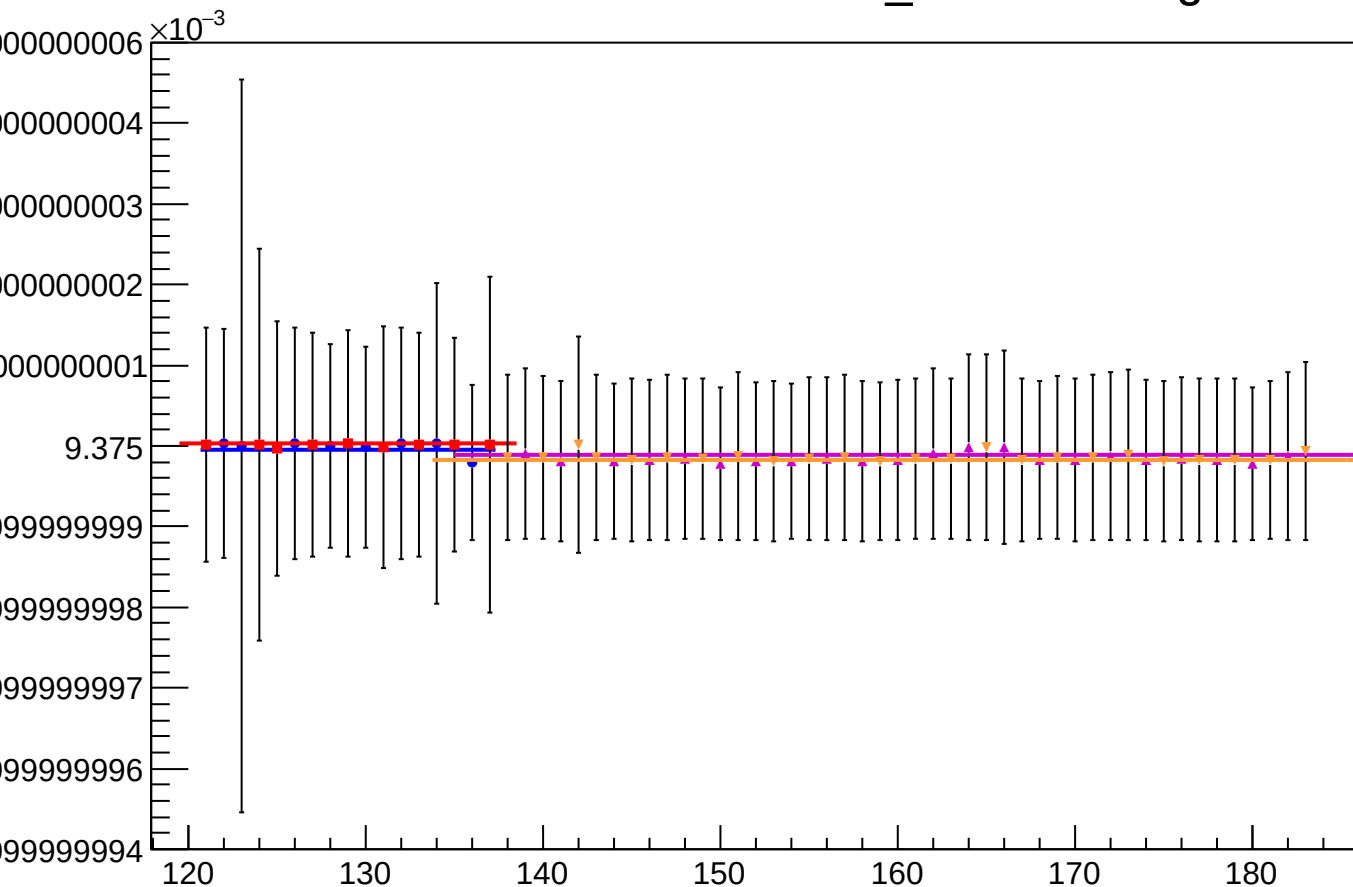
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/62

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/30

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

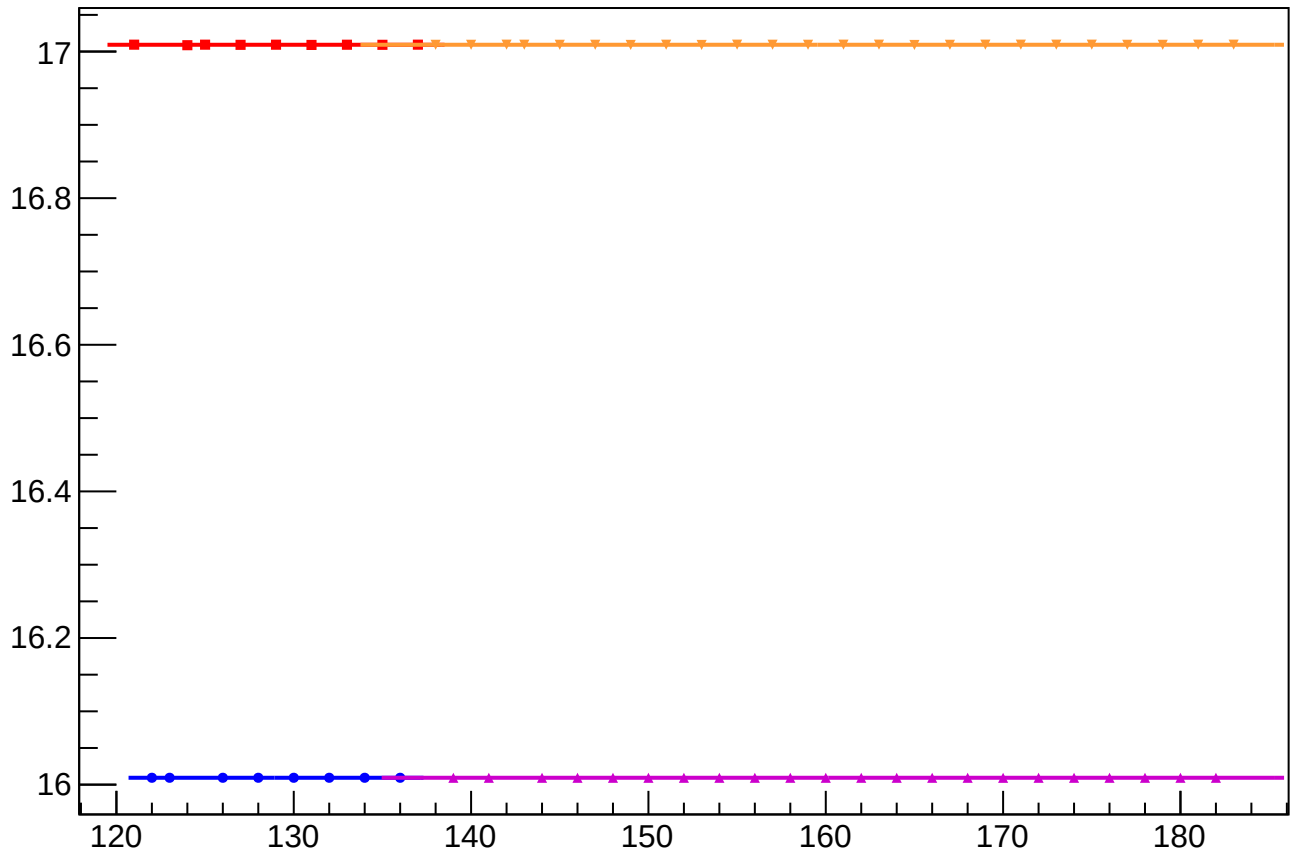
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/62

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/30

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 27843.6/7

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 25957776001234307628662784.0/23

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 8315422616570068268482560.0/8

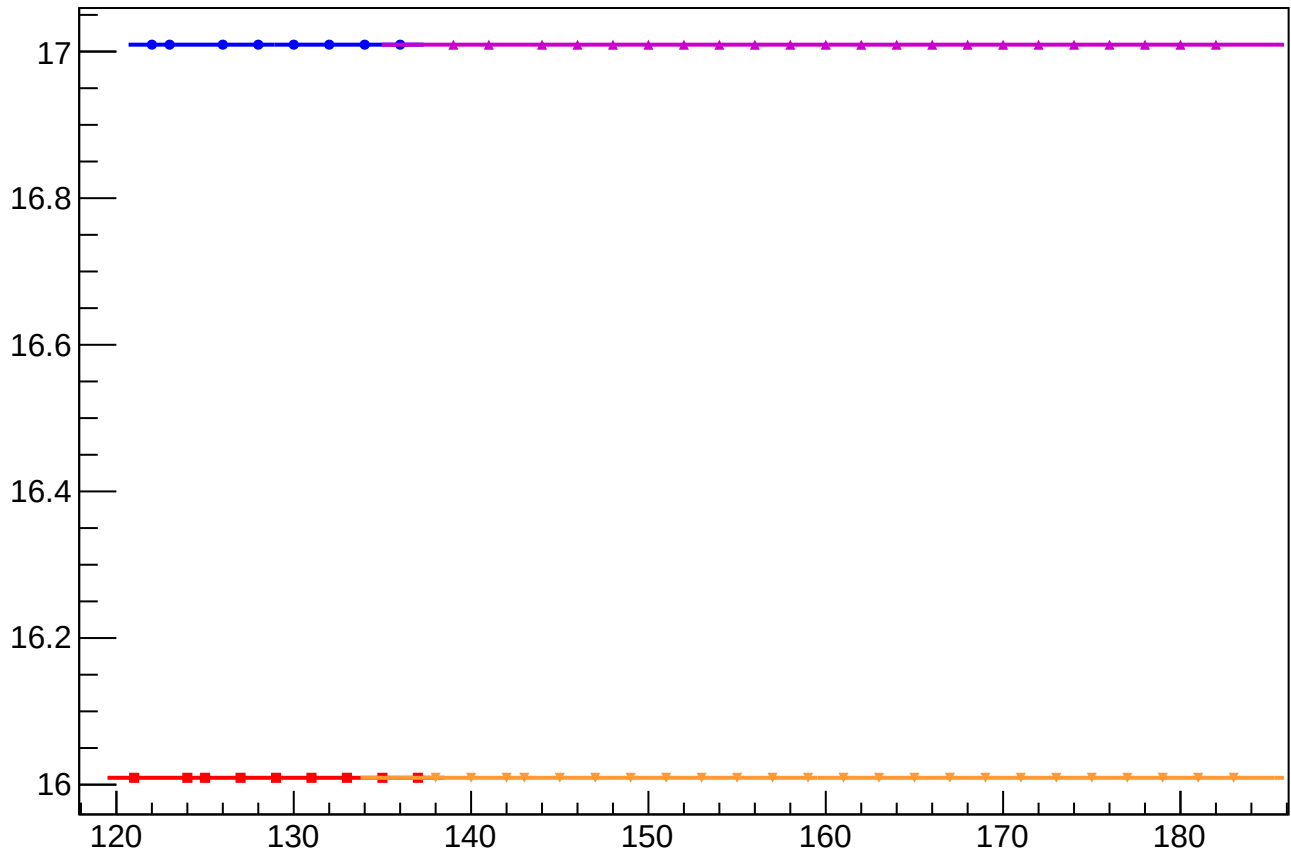
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127871437630070721609728.0/21

+ sign 16.857 $\pm$ 0.000 χ^2 /NDF: 2654064884622734

All: 16.520 $\pm$ 0.000 χ^2 /NDF: 1003355070975

- sign 16.163 $\pm$ 0.000 χ^2 /NDF: 2545890123137794

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 82003.7/7

Left Out: 16.009+/-0.000 χ^2/NDF : 59234.0/23

Right Out: 16.009+/-0.000 χ^2/NDF : 18844.3/8

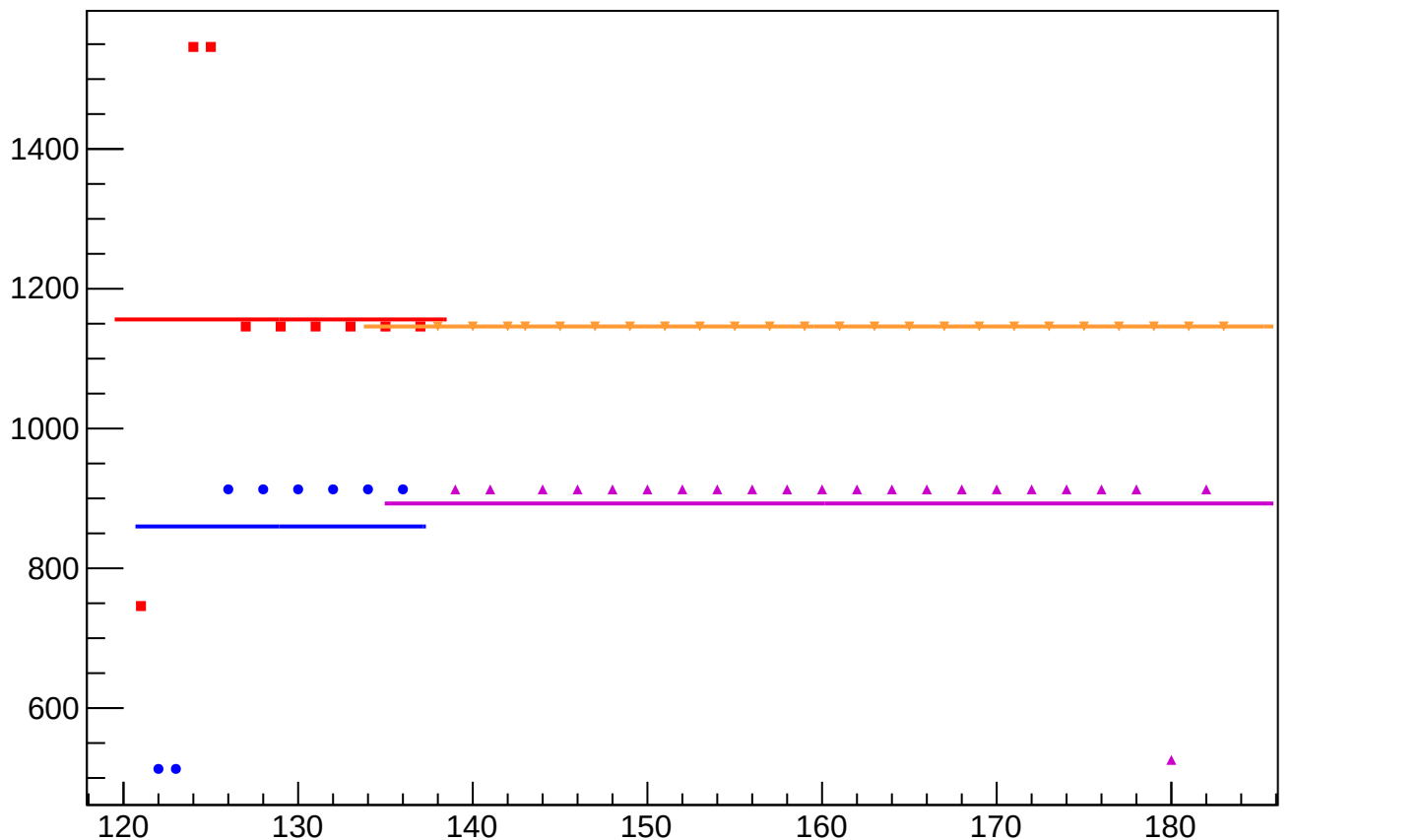
Left In: 17.009+/-0.000 χ^2/NDF : 114941150137387948441600.0/21

+ sign 16.164+/-0.000 χ^2/NDF : 2867156505914428

All: 16.498+/-0.000 χ^2/NDF : 1062408843015

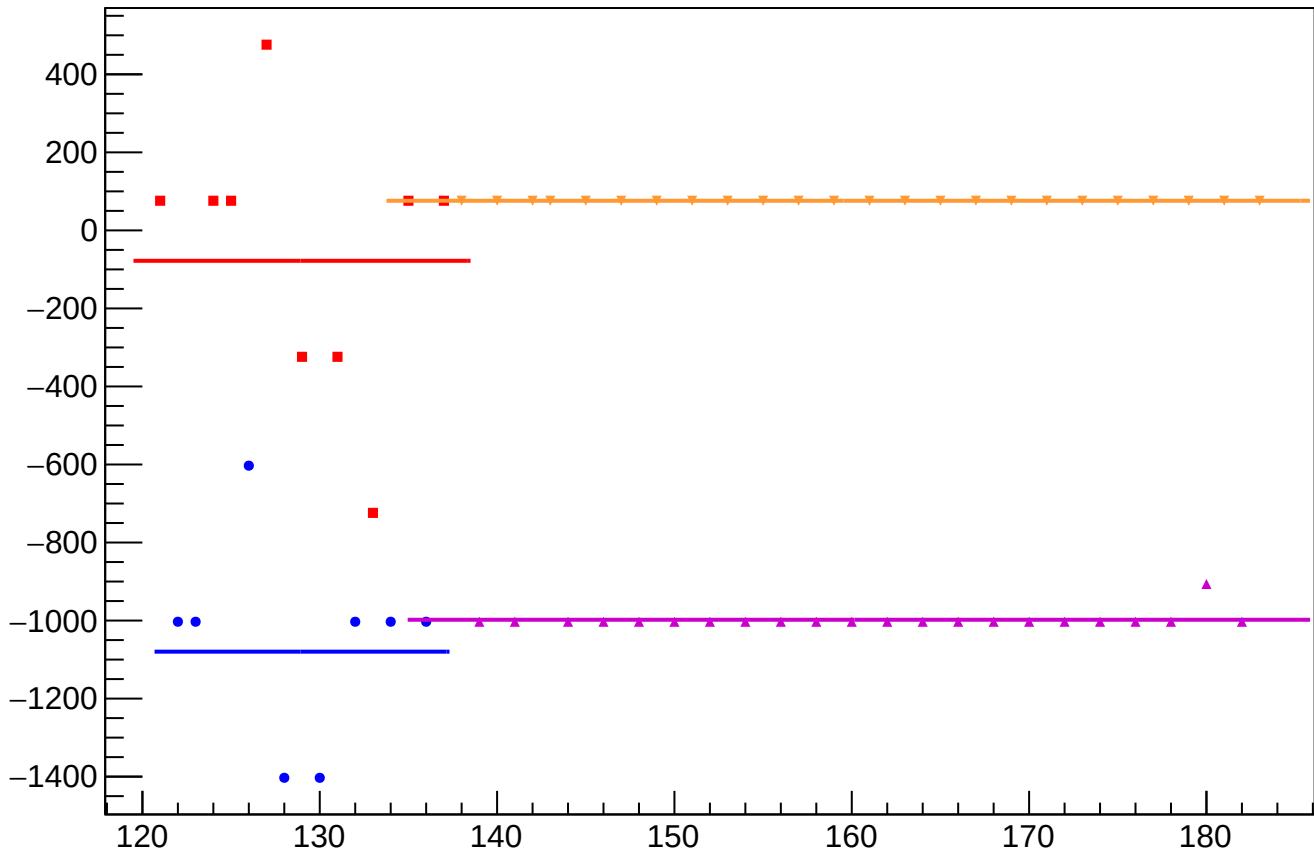
- sign 16.855+/-0.000 χ^2/NDF : 2680754717564861

RTPAPOSUCNT_mean vs Slug



Right In: 859.895+/-0.000 χ^2/NDF : 6244310211396691746388505873258381312.0/7
 Left Out: 1146.011+/-0.000 χ^2/NDF : 6528205427806626310336282624.0/23
 Right Out: 1156.104+/-0.000 χ^2/NDF : 13728364455898441296418095102599102464.0/8
 Left In: 892.793+/-0.000 χ^2/NDF : 13208182183520338072817138928218800128.0/21

RTPAPOSVCNT_mean vs Slug



Right In: -1079.685 ± 0.000 χ^2/NDF : 21205581541739378673536668219320827904.0/7
 Left Out: 76.011 ± 0.000 χ^2/NDF : 10934665696044489775830269952.0/23
 Right Out: -77.935 ± 0.000 χ^2/NDF : 39527049815762816873616890415412150272.0/8
 Left In: -997.939 ± 0.000 χ^2/NDF : 825503632536804257678726132007960576.0/21
 All: -468.854 ± 0.000 χ^2/NDF : 12943455859
 + sign -100.308 ± 0.000 χ^2/NDF : 40490681400001
 - sign -858.996 ± 0.000 χ^2/NDF : 268142119116074