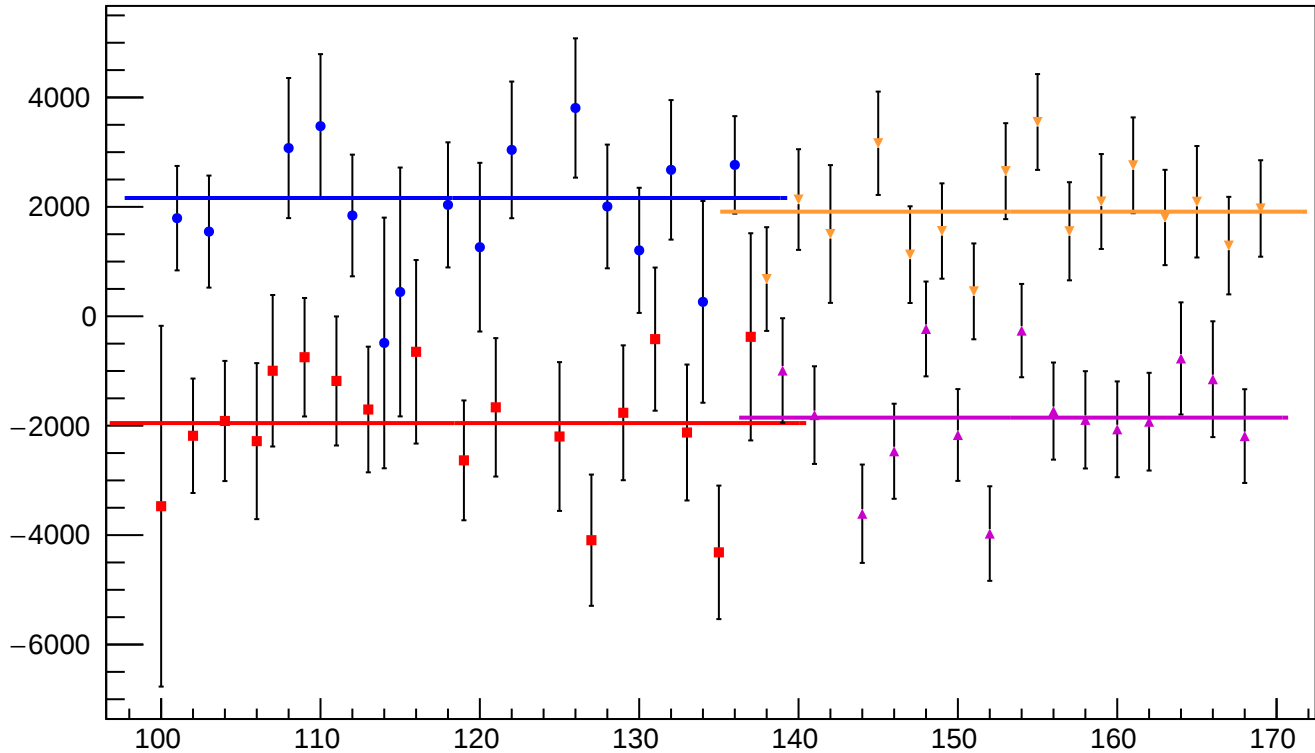


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1912.259+/-227.927

χ^2/NDF : 13.2/15

Right Out: -1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: -1852.790+/-231.405

χ^2/NDF : 20.1/14

+ sign 2000.996+/-183.070

χ^2/NDF : 22.6/31

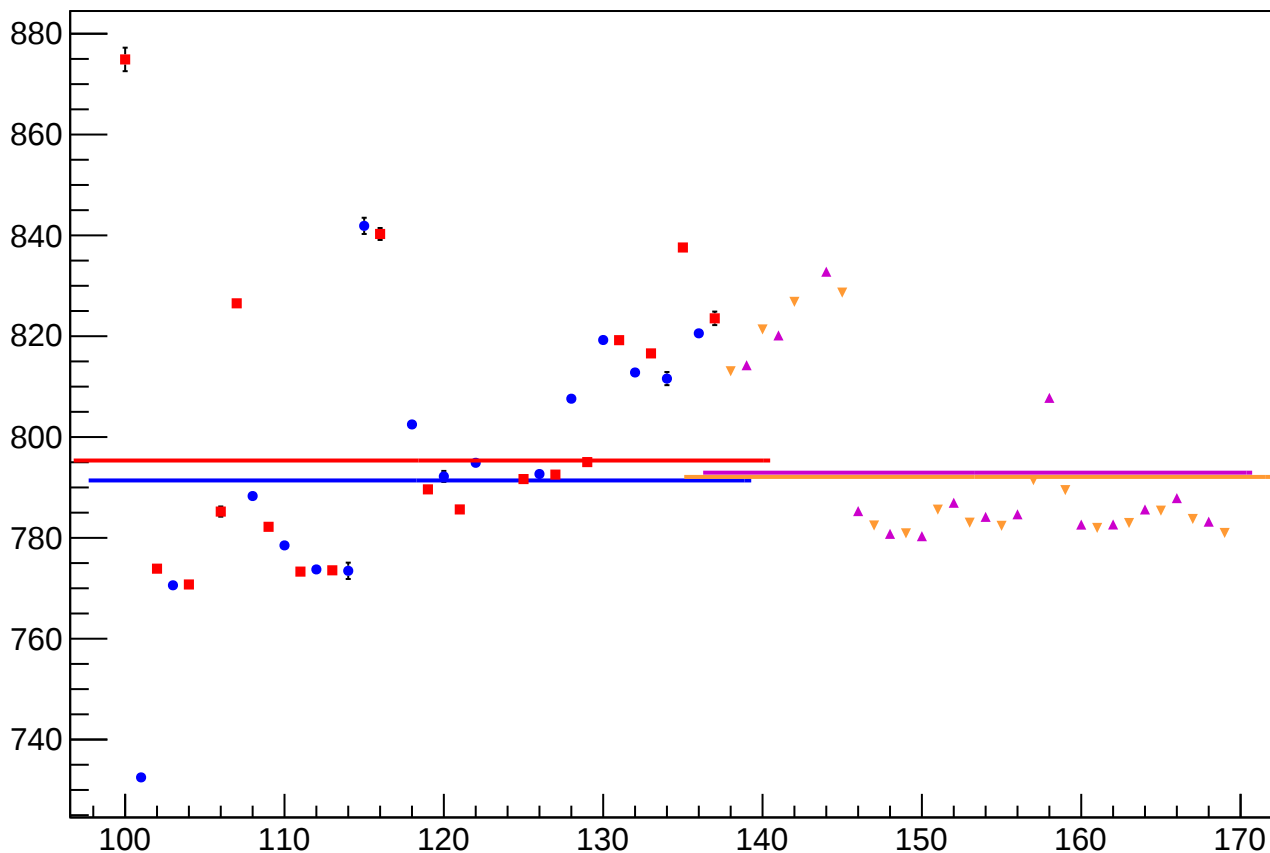
All: 58.714+/-129.553

χ^2/NDF : 280.8/64

- sign -1889.764+/-183.362

χ^2/NDF : 32.8/32

reg_asym_us_avg_rms vs Slug



Right In: 791.390+/-0.217 χ^2/NDF : 15008.3/15

Left Out: 792.090+/-0.161 χ^2/NDF : 9737.4/15

Right Out: 795.345+/-0.213 χ^2/NDF : 11559.8/17

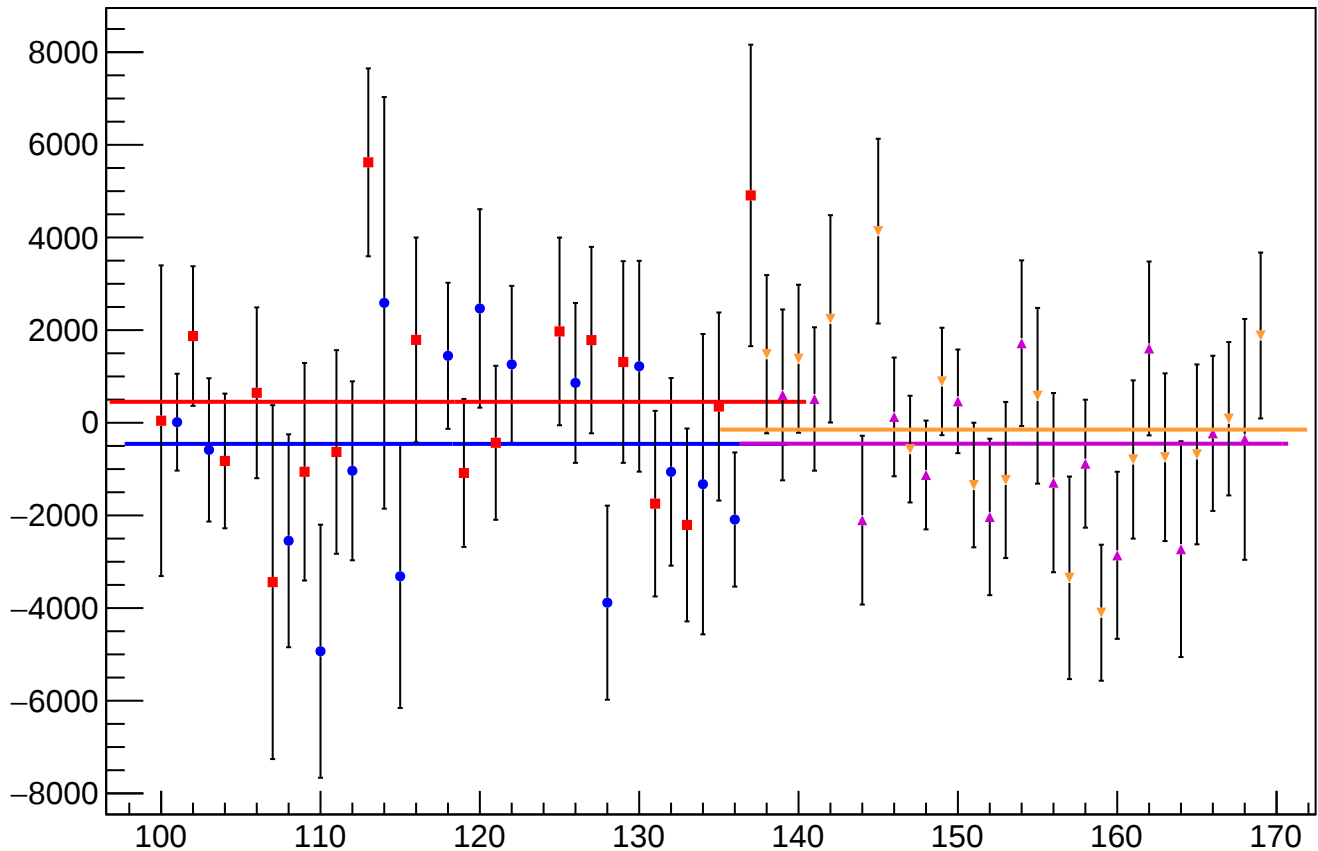
Left In: 792.934+/-0.164 χ^2/NDF : 9767.3/14

+ sign 791.842+/-0.129 χ^2/NDF : 24752.4/31

All: 792.835+/-0.092 χ^2/NDF : 46278.2/64

- sign 793.831+/-0.130 χ^2/NDF : 21407.9/32

asym_us_avg_correction_mean vs Slug



Right In: -455.675 ± 464.232 χ^2/NDF : 14.9/15

Left Out: -147.608 ± 403.940 χ^2/NDF : 20.9/15

Right Out: 452.644 ± 472.760 χ^2/NDF : 17.3/17

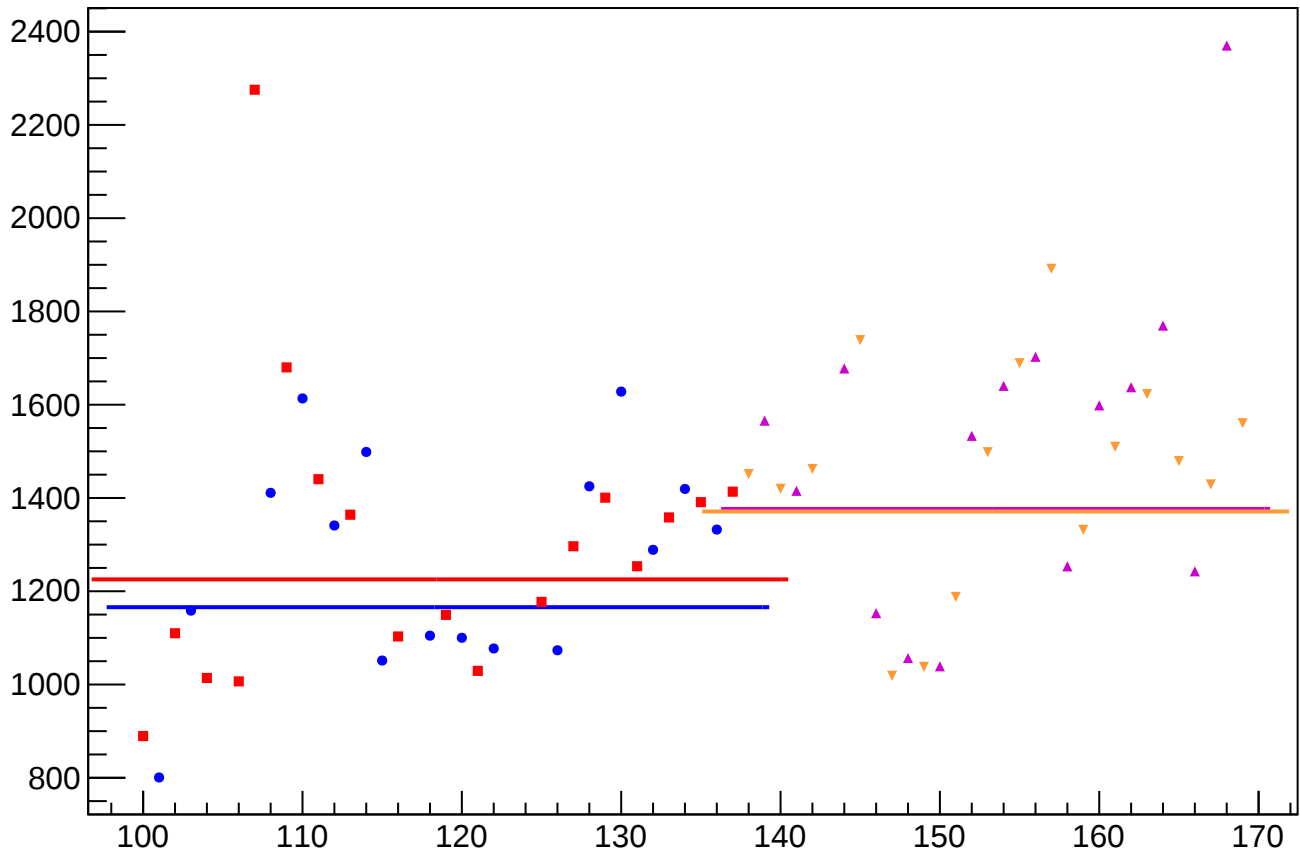
Left In: -451.866 ± 412.397 χ^2/NDF : 9.3/14

+ sign -280.350 ± 304.731 χ^2/NDF : 36.0/31

All: -172.832 ± 217.582 χ^2/NDF : 65.0/64

- sign -61.008 ± 310.773 χ^2/NDF : 28.7/32

asym_us_avg_correction_rms vs Slug



Right In: 1165.812 $\pm$ 0.328 χ^2 /NDF: 526801.3/15

Left Out: 1371.009 $\pm$ 0.286 χ^2 /NDF: 731952.6/15

Right Out: 1225.448 $\pm$ 0.334 χ^2 /NDF: 440420.8/17

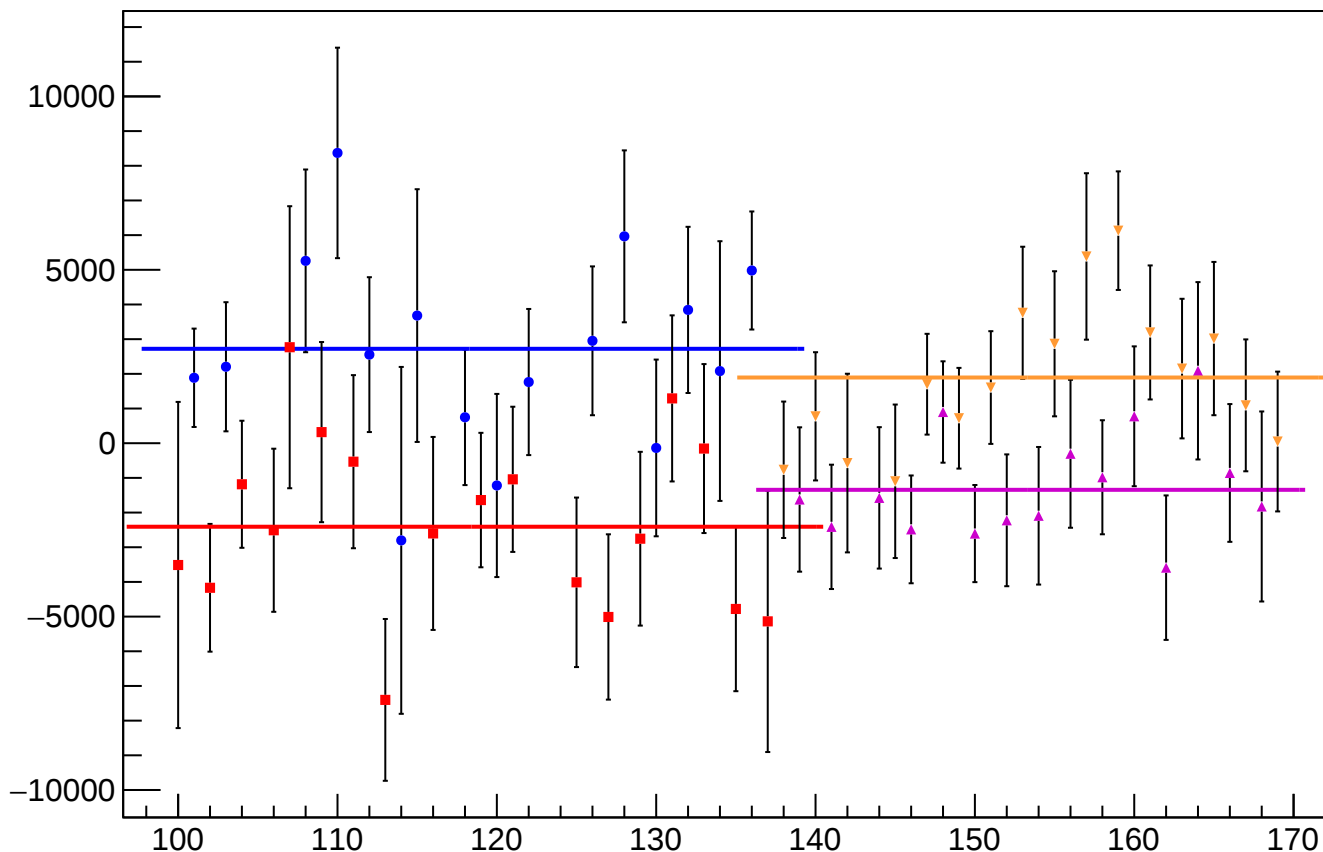
Left In: 1376.434 $\pm$ 0.292 χ^2 /NDF: 1032465.6/14

+ sign 1282.592 $\pm$ 0.215 χ^2 /NDF: 1481137.3/31

All: 1296.610 $\pm$ 0.154 χ^2 /NDF: 3078501.4/64

- sign 1311.190 $\pm$ 0.220 χ^2 /NDF: 1588730.2/32

asym_us_avg_mean vs Slug



Right In: 2722.309 $\pm$ 567.154 χ^2 /NDF: 14.6/15

Left Out: 1894.427 $\pm$ 471.707 χ^2 /NDF:16.8/15

Right Out: -2408.446 $\pm$ 568.977 χ^2 /NDF: 16.3/17

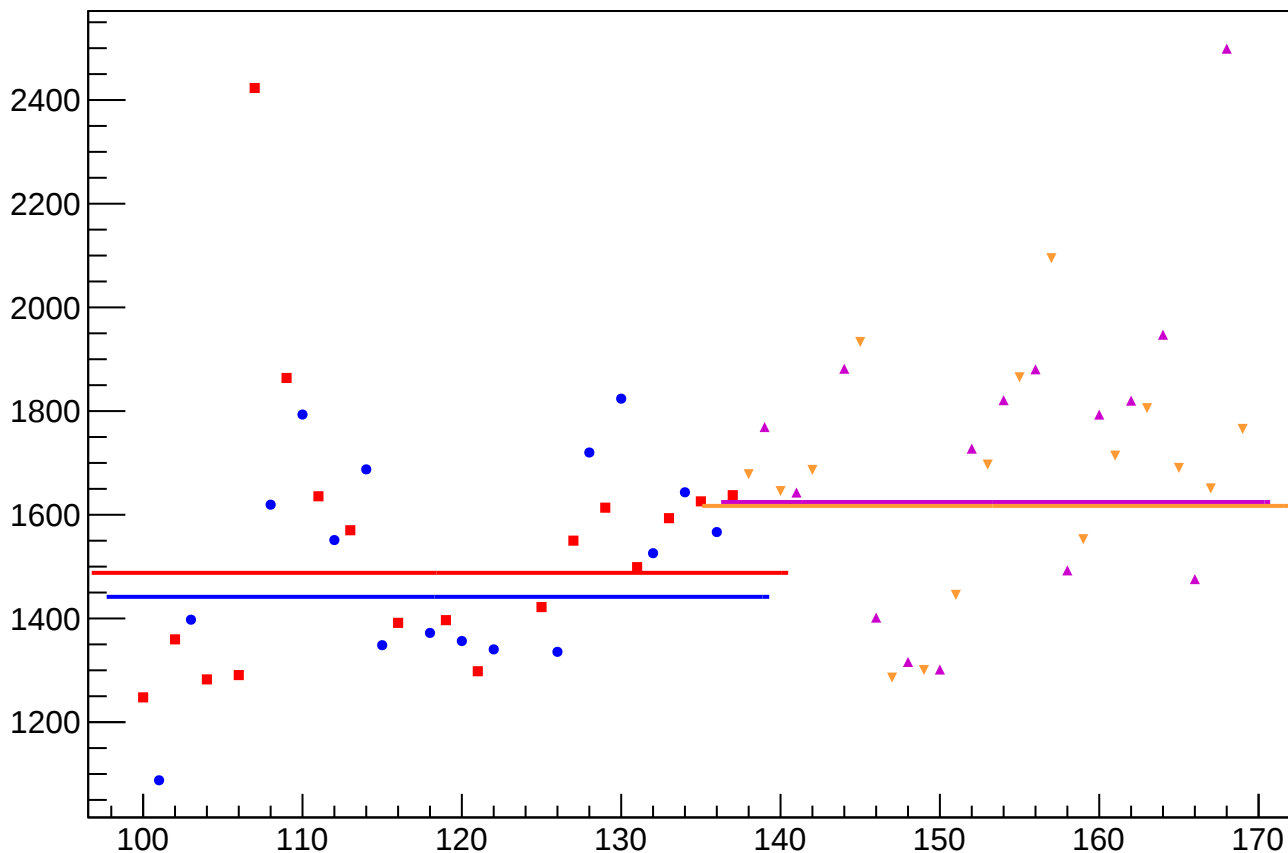
Left In: -1344.242 $\pm$ 481.642 χ^2 /NDF:8.9/14

+ sign 2232.942 $\pm$ 362.665 χ^2 /NDF: 32.6/31

All: 249.485 $\pm$ 258.175 χ^2 /NDF: 120.5/64

- sign -1788.487 $\pm$ 367.615 χ^2 /NDF: 27.2/32

asym_us_avg_rms vs Slug



Right In: 1441.720+/-0.401 χ^2/NDF : 275902.8/15

Left Out: 1617.114+/-0.334 χ^2/NDF : 415867.8/15

Right Out: 1488.026+/-0.402 χ^2/NDF : 256140.4/17

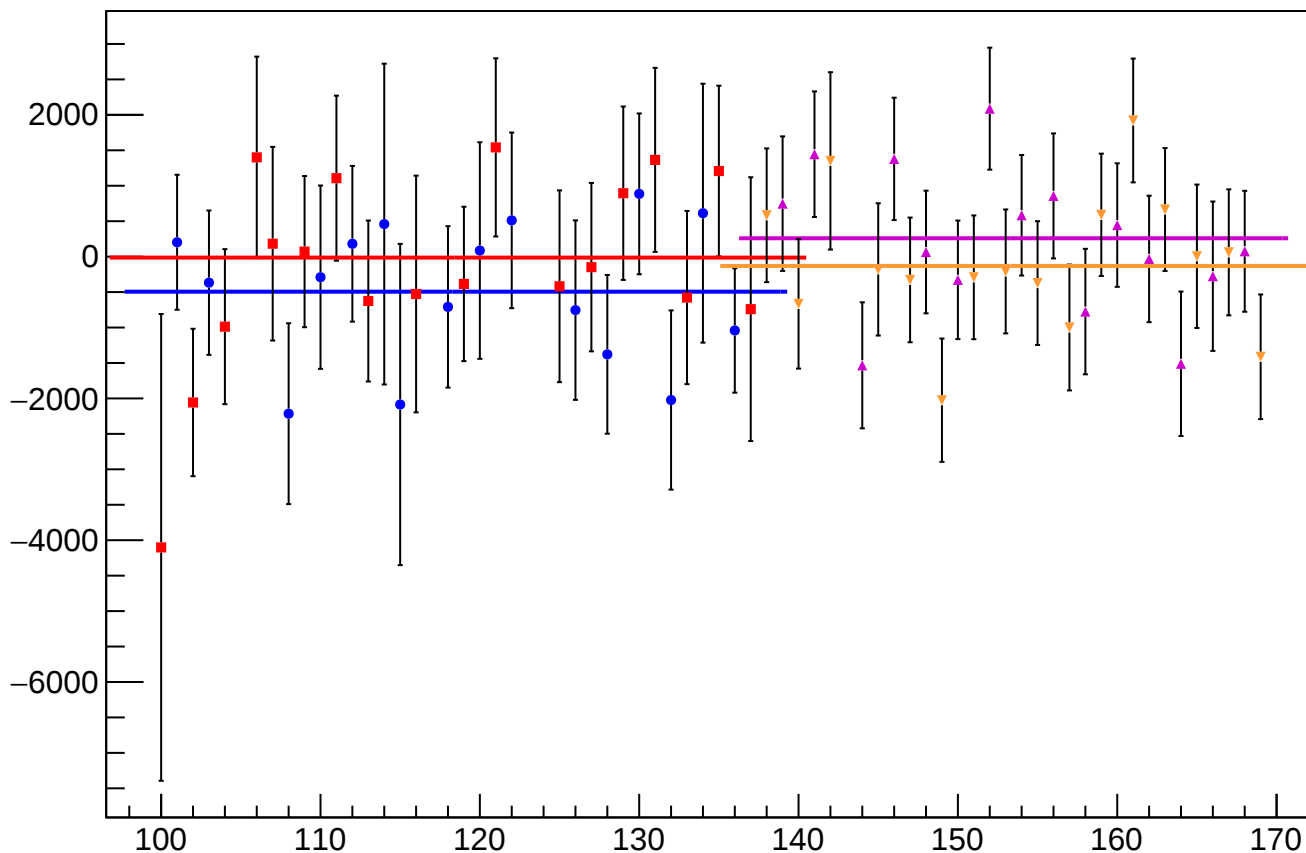
Left In: 1624.649+/-0.341 χ^2/NDF : 623769.2/14

+ sign 1545.397+/-0.256 χ^2/NDF : 804833.8/31

All: 1556.356+/-0.183 χ^2/NDF : 1755625.3/64

- sign 1567.617+/-0.260 χ^2/NDF : 947088.4/32

reg_asym_us_dd_mean vs Slug



Right In: -494.223 ± 304.644 χ^2/NDF : 8.7/15

Left Out: -131.051 ± 226.738 χ^2/NDF : 17.4/15

Right Out: -13.512 ± 297.736 χ^2/NDF : 13.4/17

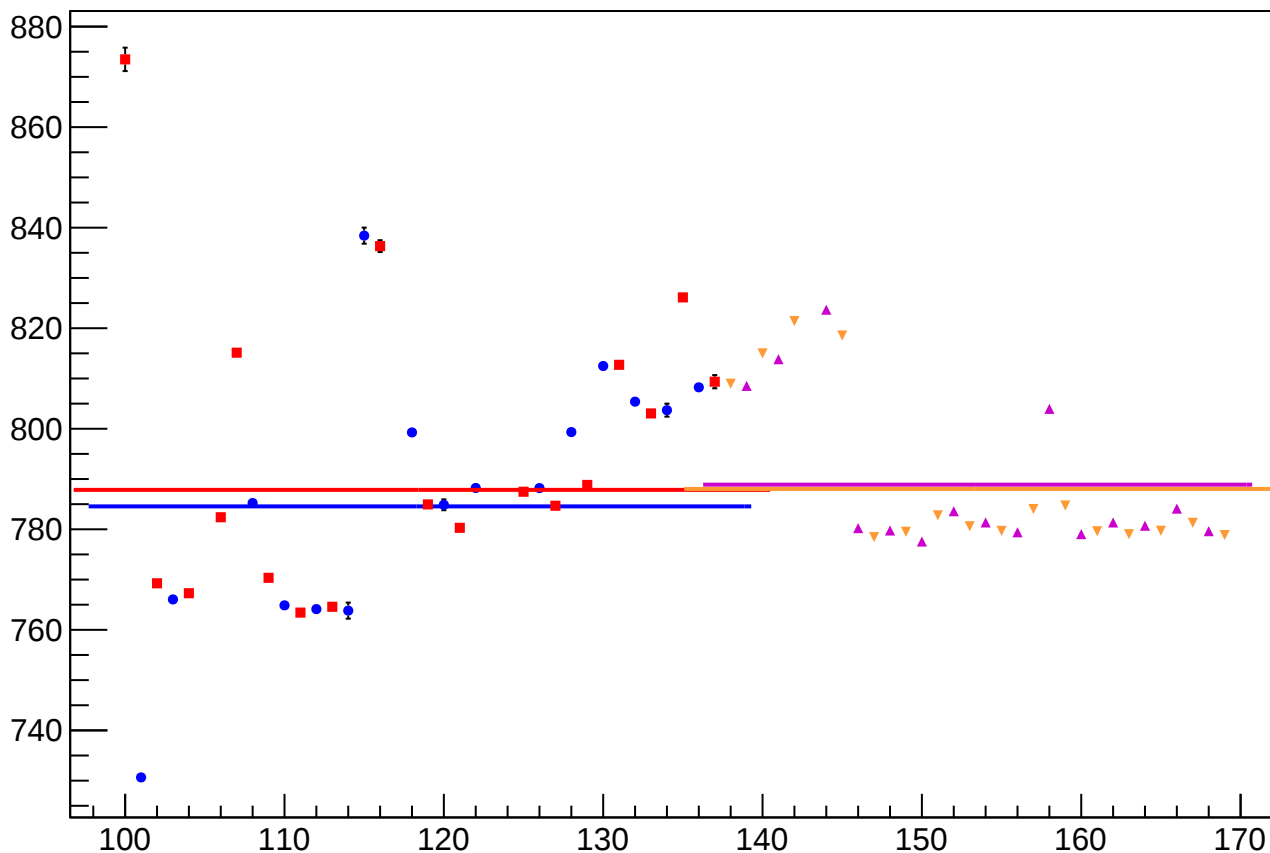
Left In: 259.076 ± 230.211 χ^2/NDF : 18.3/14

+ sign -260.513 ± 181.889 χ^2/NDF : 27.0/31

All: -51.979 ± 128.697 χ^2/NDF : 61.8/64

- sign 157.086 ± 182.120 χ^2/NDF : 32.2/32

reg_asym_us_dd_rms vs Slug



Right In: 784.558 ± 0.215 χ^2/NDF : 13677.7/15

Left Out: 788.028 ± 0.160 χ^2/NDF : 8060.6/15

Right Out: 787.844 ± 0.211 χ^2/NDF : 10909.0/17

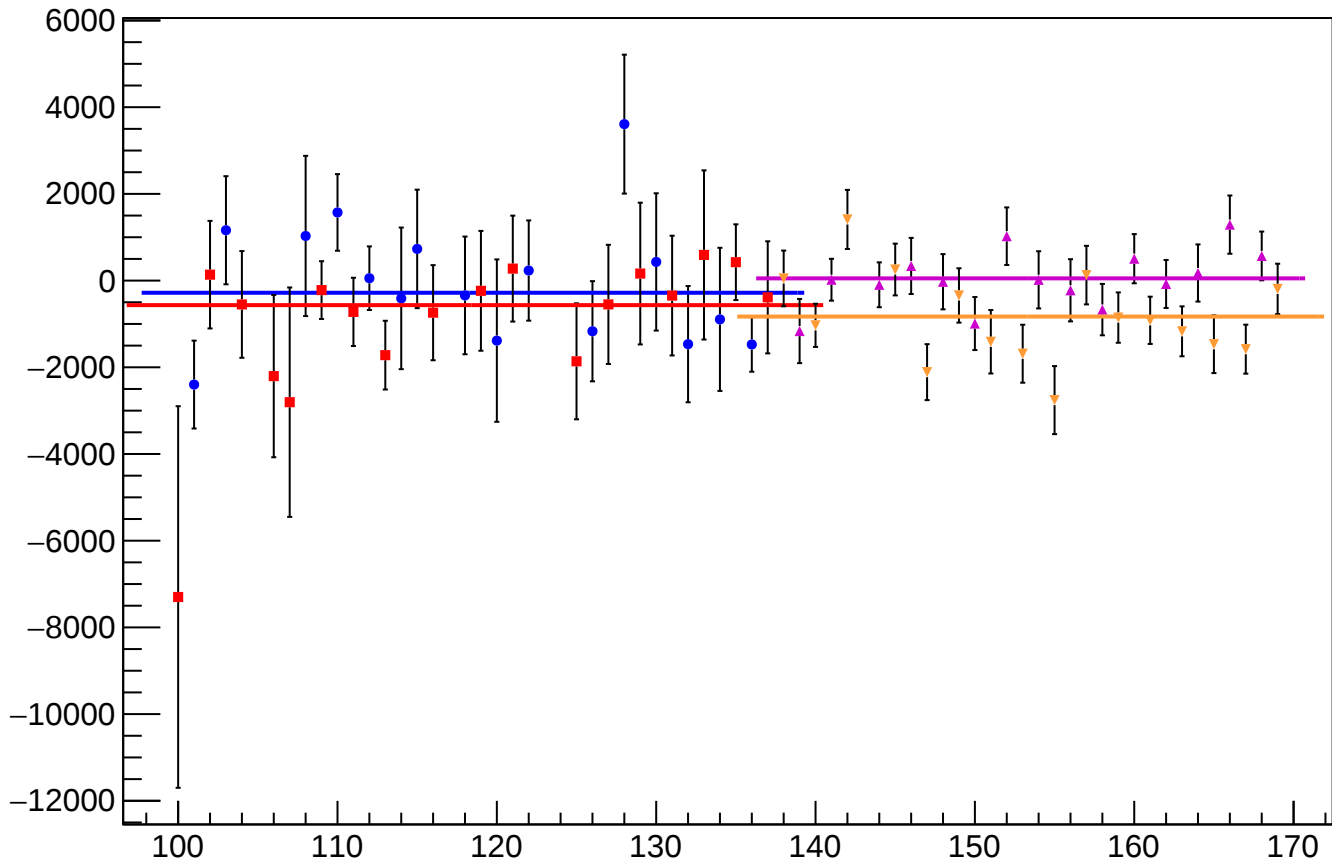
Left In: 788.880 ± 0.163 χ^2/NDF : 8145.4/14

+ sign 786.791 ± 0.129 χ^2/NDF : 21905.3/31

All: 787.641 ± 0.091 χ^2/NDF : 41062.3/64

- sign 788.493 ± 0.129 χ^2/NDF : 19069.6/32

asym_us_dd_correction_mean vs Slug



Right In: -280.632 ± 282.501 χ^2/NDF : 23.1/15

Left Out: -829.381 ± 154.365 χ^2/NDF : 35.3/15

Right Out: -566.224 ± 272.883 χ^2/NDF : 9.9/17

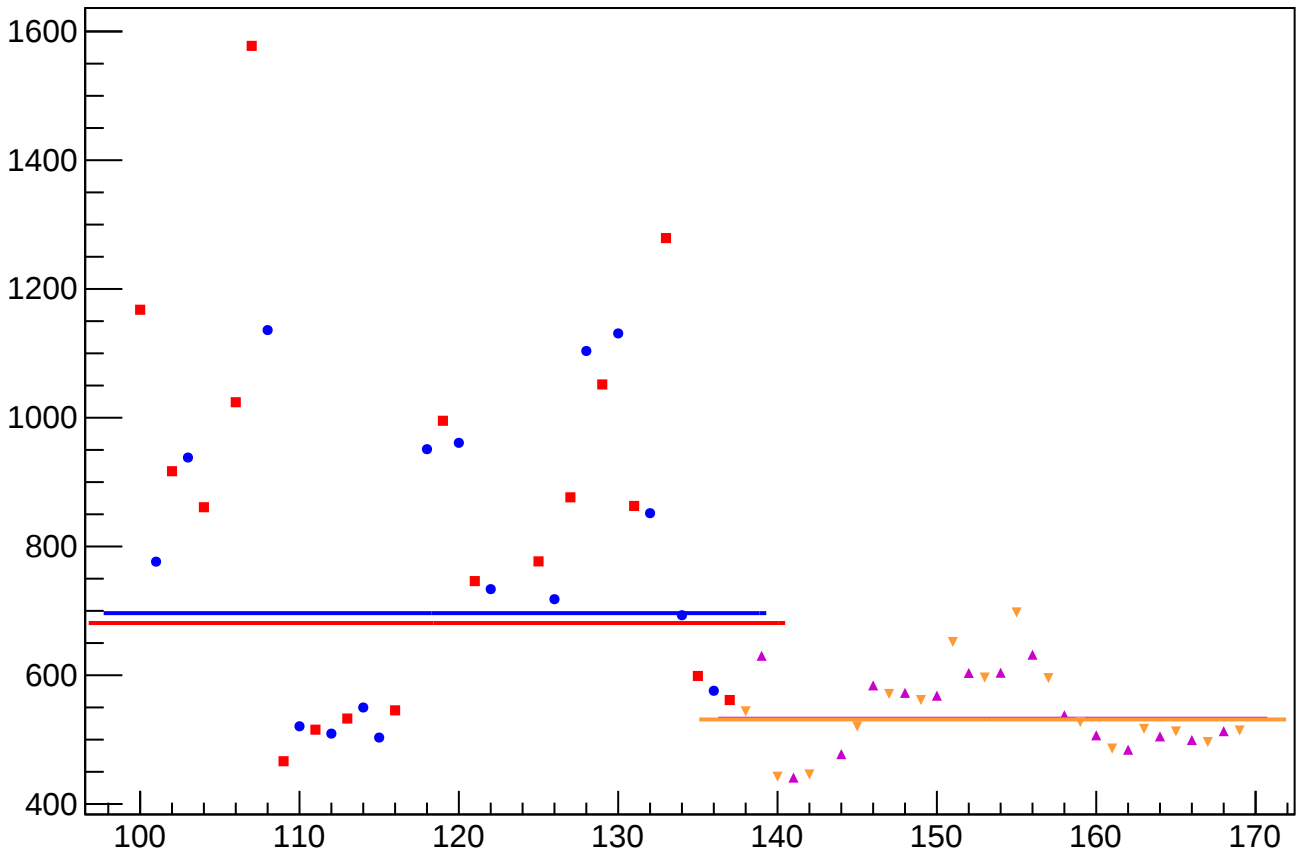
Left In: 51.262 ± 156.586 χ^2/NDF : 14.6/14

+ sign -703.208 ± 135.461 χ^2/NDF : 61.3/31

All: -403.234 ± 95.910 χ^2/NDF : 99.6/64

- sign -101.693 ± 135.815 χ^2/NDF : 28.4/32

asym_us_dd_correction_rms vs Slug



Right In: 696.462 ± 0.200 χ^2/NDF : 959490.0/15

Left Out: 531.339 ± 0.109 χ^2/NDF : 315516.2/15

Right Out: 681.127 ± 0.193 χ^2/NDF : 1352555.6/17

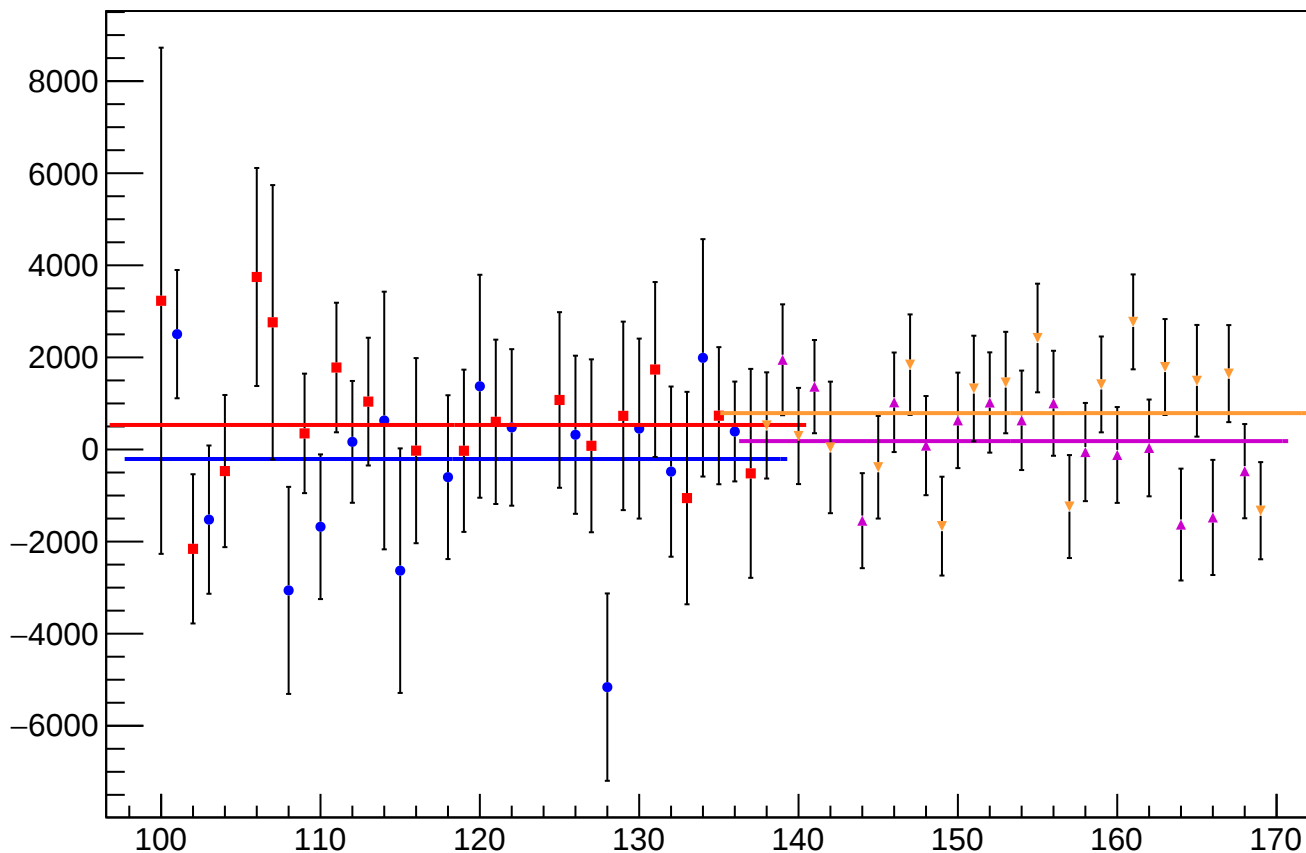
Left In: 532.429 ± 0.111 χ^2/NDF : 271898.4/14

+ sign 569.305 ± 0.096 χ^2/NDF : 1801189.7/31

All: 569.284 ± 0.068 χ^2/NDF : 3872401.6/64

- sign 569.262 ± 0.096 χ^2/NDF : 2071211.8/32

asym_us_dd_mean vs Slug



Right In: -206.385 ± 433.774 $\chi^2/\text{NDF}: 15.8/15$

Left Out: 789.749 ± 276.952 $\chi^2/\text{NDF}: 23.6/15$

Right Out: 532.837 ± 427.128 $\chi^2/\text{NDF}: 8.1/17$

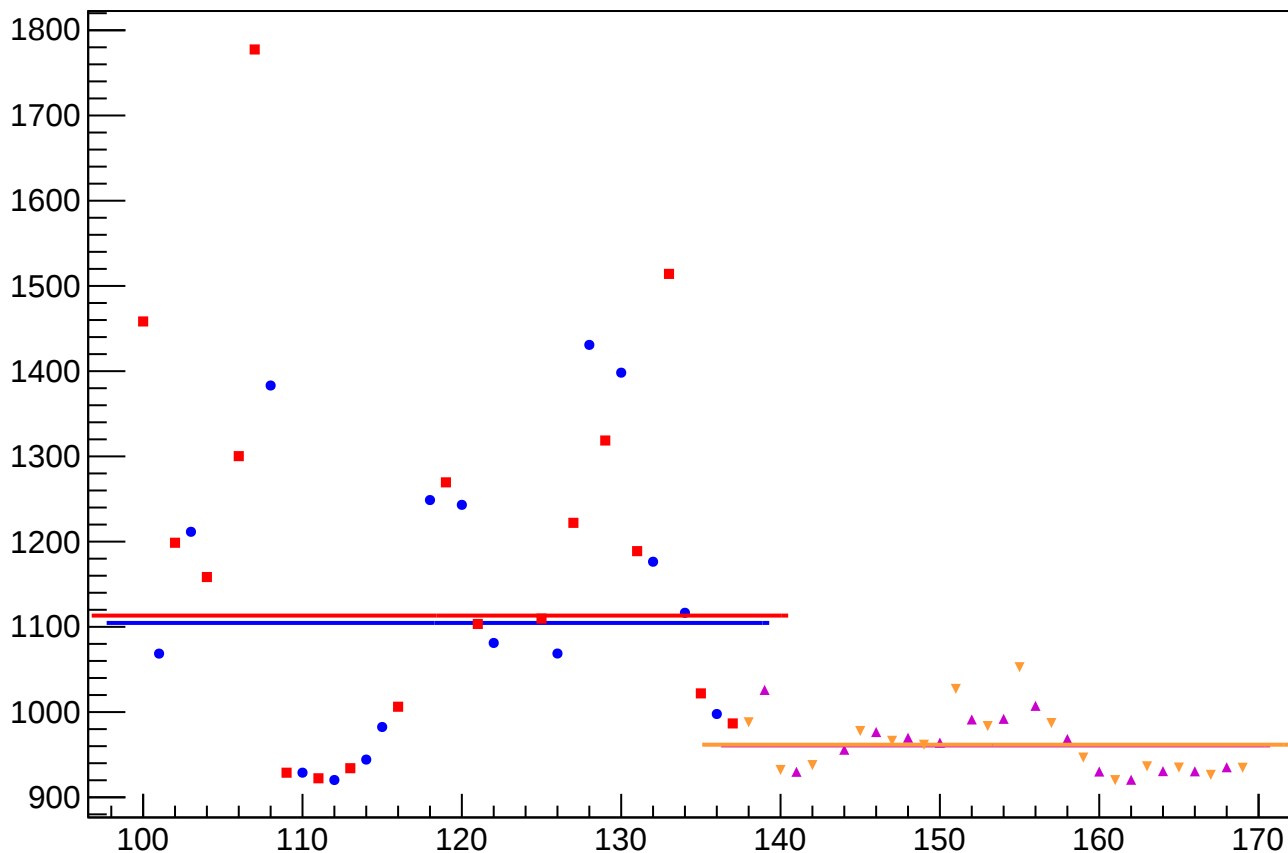
Left In: 182.180 ± 280.559 $\chi^2/\text{NDF}: 13.0/14$

+ sign 501.274 ± 233.431 $\chi^2/\text{NDF}: 43.1/31$

All: 395.059 ± 165.436 $\chi^2/\text{NDF}: 65.1/64$

- sign 287.871 ± 234.496 $\chi^2/\text{NDF}: 21.6/32$

asym_us_dd_rms vs Slug



Right In: 1104.596+/-0.307 χ^2/NDF : 255488.3/15

Left Out: 961.724+/-0.196 χ^2/NDF : 33279.1/15

Right Out: 1113.215+/-0.302 χ^2/NDF : 362982.2/17

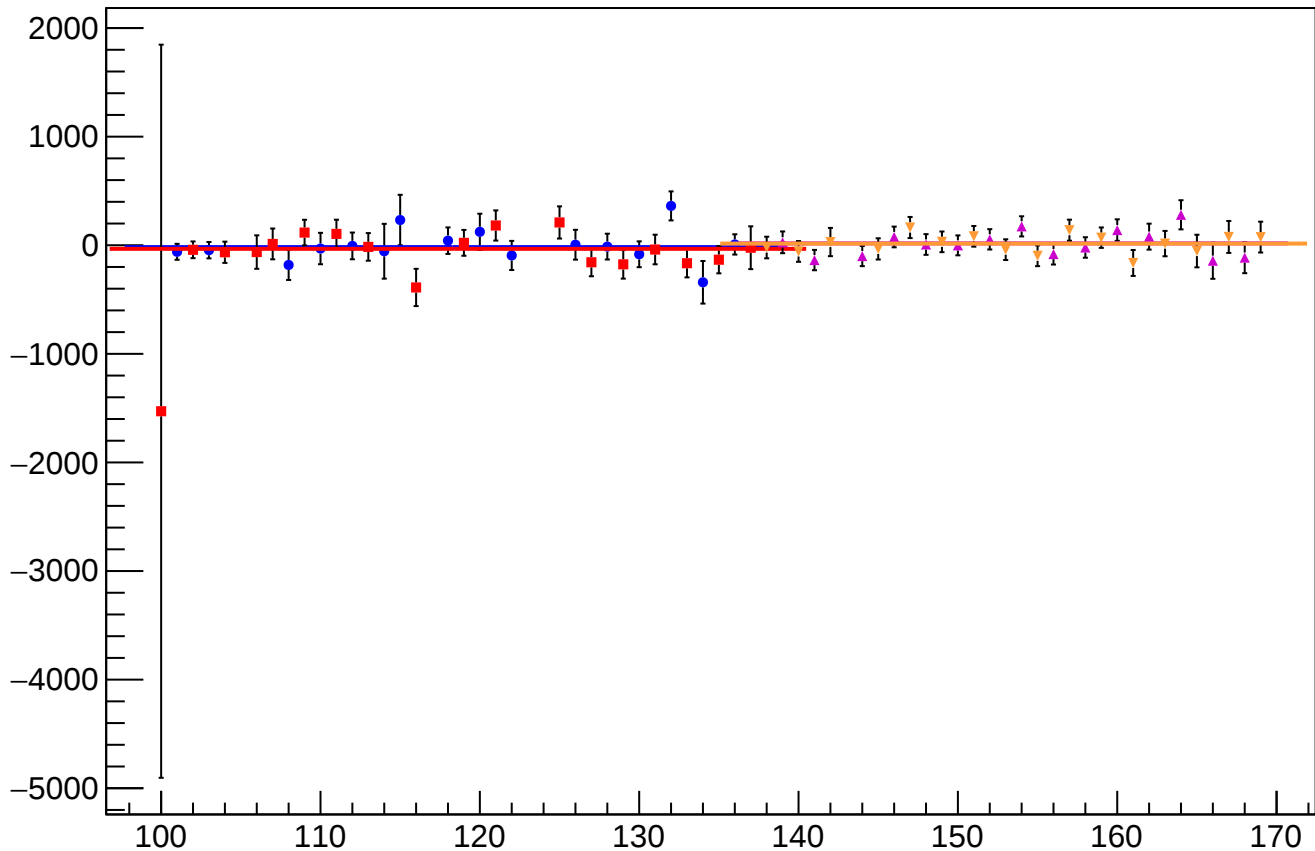
Left In: 960.883+/-0.198 χ^2/NDF : 23340.7/14

+ sign 1003.099+/-0.165 χ^2/NDF : 442904.0/31

All: 1004.940+/-0.117 χ^2/NDF : 1007190.9/64

- sign 1006.797+/-0.166 χ^2/NDF : 564037.1/32

reg_asym_ds_avg_mean vs Slug



Right In: -17.236 ± 29.988 χ^2/NDF : 15.6/15

Left Out: 15.351 ± 26.504 χ^2/NDF : 10.3/15

Right Out: -32.892 ± 30.446 χ^2/NDF : 16.5/17

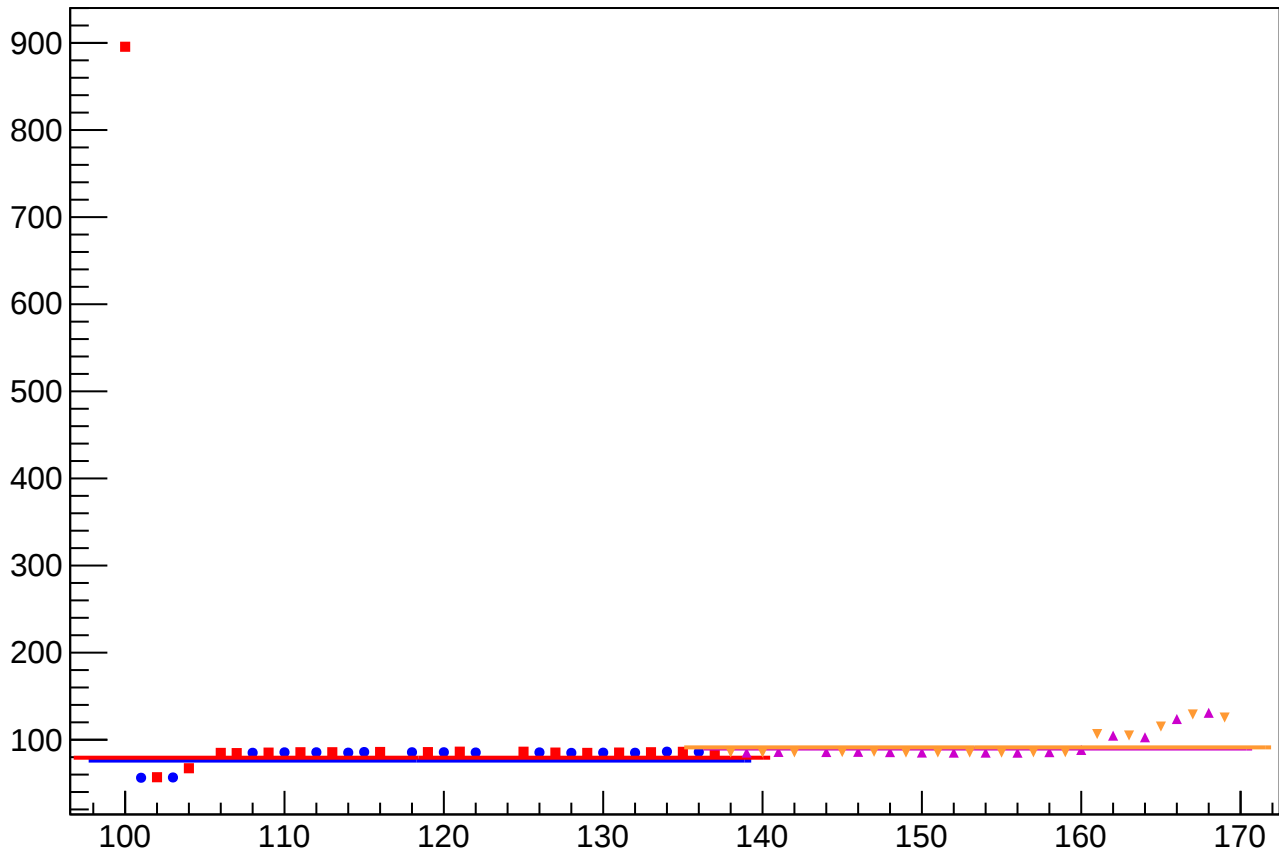
Left In: 17.243 ± 26.434 χ^2/NDF : 16.3/14

+ sign 1.059 ± 19.859 χ^2/NDF : 26.5/31

All: -1.609 ± 14.078 χ^2/NDF : 61.0/64

- sign -4.305 ± 19.960 χ^2/NDF : 34.4/32

reg_asym_ds_avg_rms vs Slug



Right In: 76.079 $\pm$ 0.021 χ^2 /NDF: 409170.8/15

Left Out: 91.246 $\pm$ 0.019 χ^2 /NDF: 435592.9/15

Right Out: 79.390 $\pm$ 0.022 χ^2 /NDF: 378526.1/17

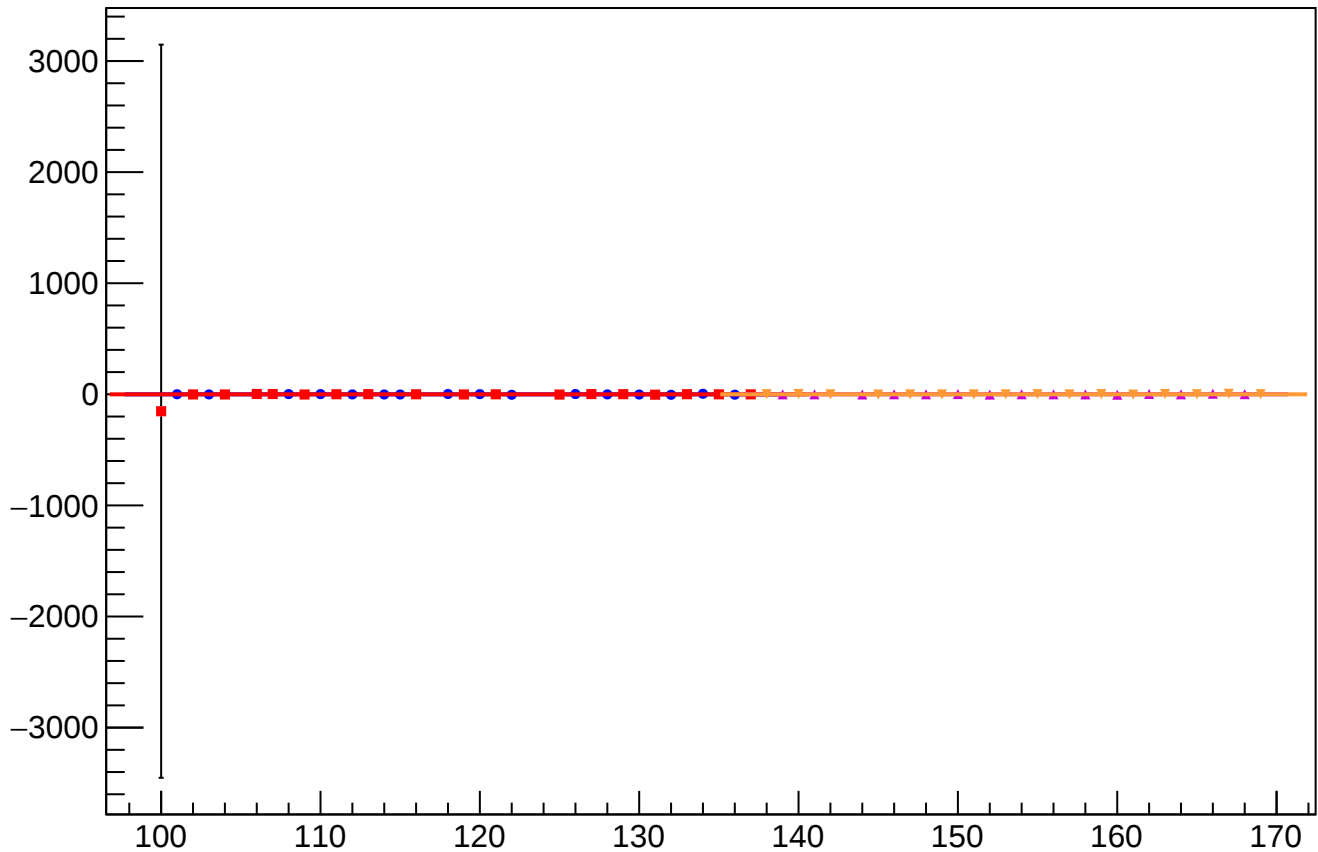
Left In: 89.895 $\pm$ 0.019 χ^2 /NDF: 338363.2/14

+ sign 84.595 $\pm$ 0.014 χ^2 /NDF: 1132002.4/31

All: 84.985 $\pm$ 0.010 χ^2 /NDF: 1986216.7/64

- sign 85.380 $\pm$ 0.014 χ^2 /NDF: 852658.5/32

asym_ds_avg_correction_mean vs Slug



Right In: -0.281 ± 0.501 χ^2/NDF : 21.2/15

Left Out: 0.011 ± 0.453 χ^2/NDF : 12.7/15

Right Out: -0.078 ± 0.521 χ^2/NDF : 9.0/17

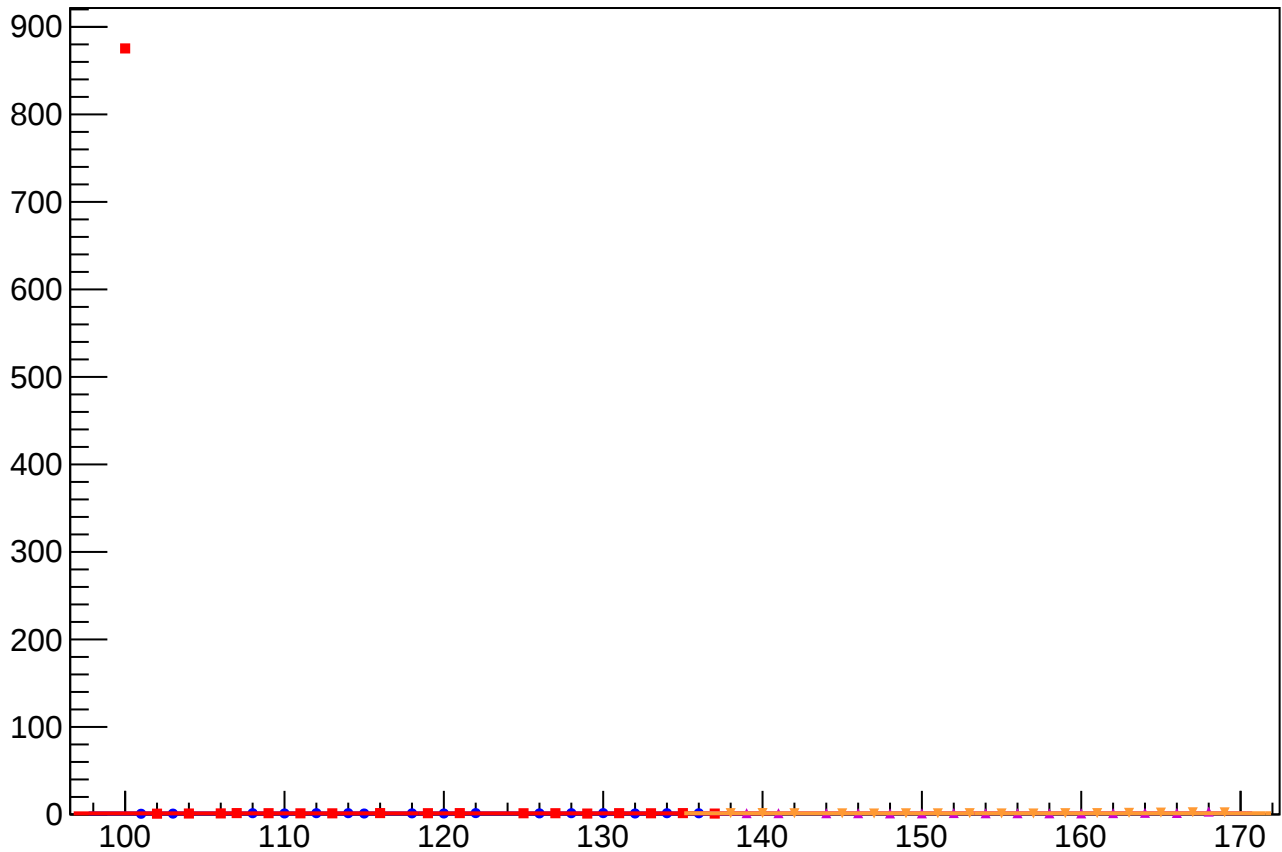
Left In: 0.353 ± 0.469 χ^2/NDF : 17.3/14

+ sign -0.120 ± 0.336 χ^2/NDF : 34.0/31

All: 0.015 ± 0.242 χ^2/NDF : 61.0/64

- sign 0.160 ± 0.349 χ^2/NDF : 26.6/32

asym_ds_avg_correction_rms vs Slug



Right In: 1.152 $\pm$ 0.000 χ^2 /NDF: 514348.9/15

Left Out: 1.383 $\pm$ 0.000 χ^2 /NDF: 894028.8/15

Right Out: 1.247 $\pm$ 0.000 χ^2 /NDF: 517130.7/17

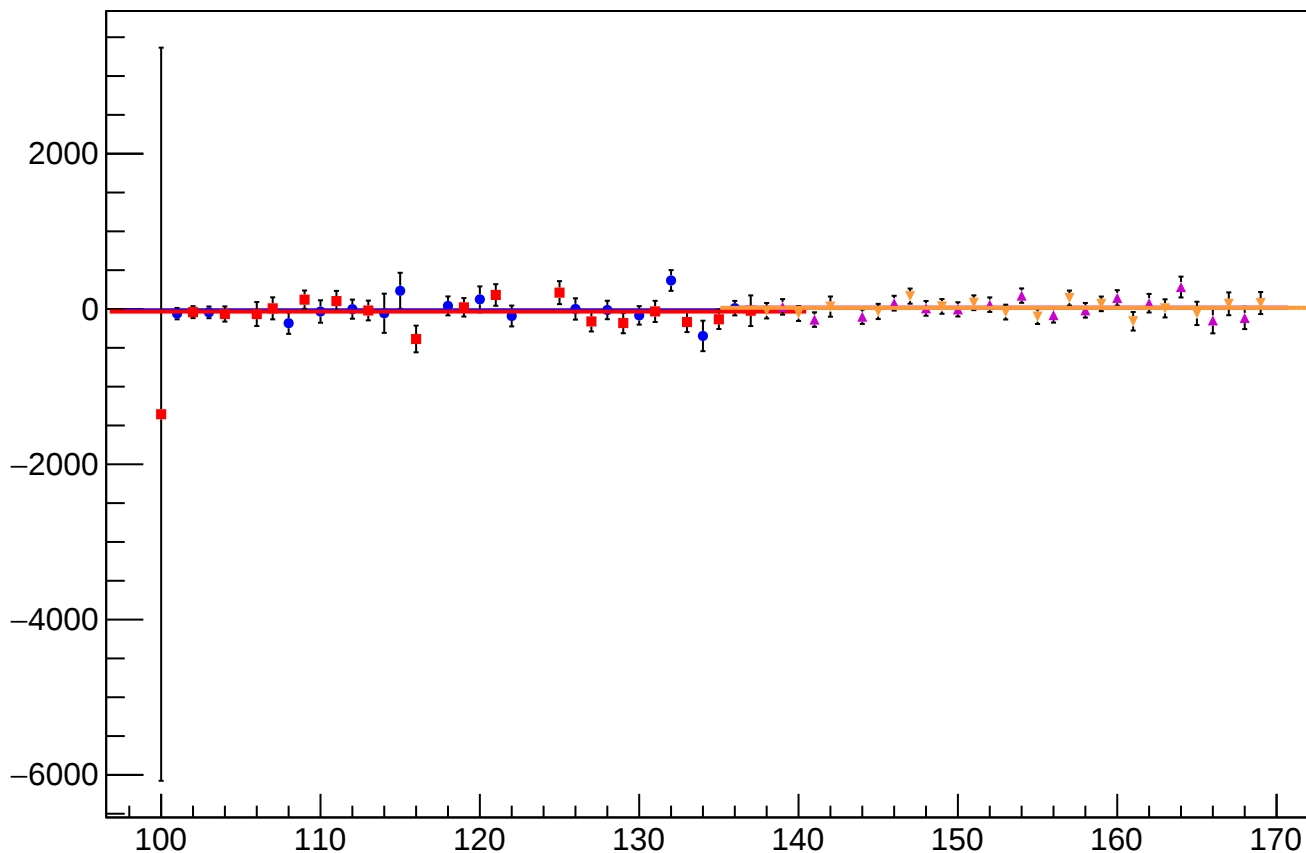
Left In: 1.451 $\pm$ 0.000 χ^2 /NDF: 638318.4/14

+ sign 1.279 $\pm$ 0.000 χ^2 /NDF: 1640988.0/31

All: 1.318 $\pm$ 0.000 χ^2 /NDF: 3021144.0/64

- sign 1.360 $\pm$ 0.000 χ^2 /NDF: 1324906.2/32

asym_ds_avg_mean vs Slug



Right In: -16.311 ± 29.996 χ^2/NDF : 15.9/15

Left Out: 14.866 ± 26.512 χ^2/NDF : 10.2/15

Right Out: -33.114 ± 30.455 χ^2/NDF : 16.5/17

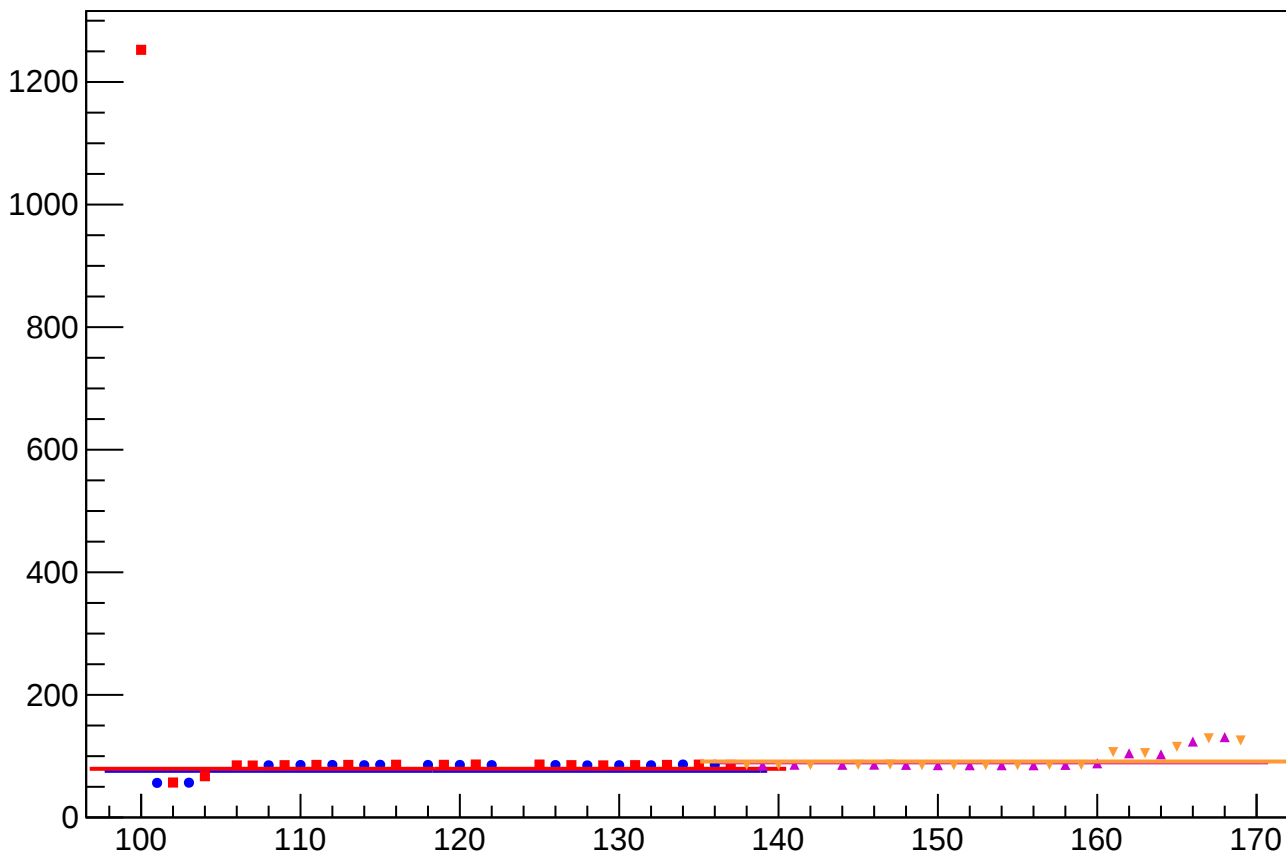
Left In: 17.431 ± 26.442 χ^2/NDF : 16.4/14

+ sign 1.192 ± 19.865 χ^2/NDF : 26.7/31

All: -1.537 ± 14.082 χ^2/NDF : 61.2/64

- sign -4.294 ± 19.966 χ^2/NDF : 34.5/32

asym_ds_avg_rms vs Slug



Right In: 76.099 $\pm$ 0.021 χ^2 /NDF: 409200.9/15

Left Out: 91.273 $\pm$ 0.019 χ^2 /NDF: 436332.9/15

Right Out: 79.393 $\pm$ 0.022 χ^2 /NDF: 385048.8/17

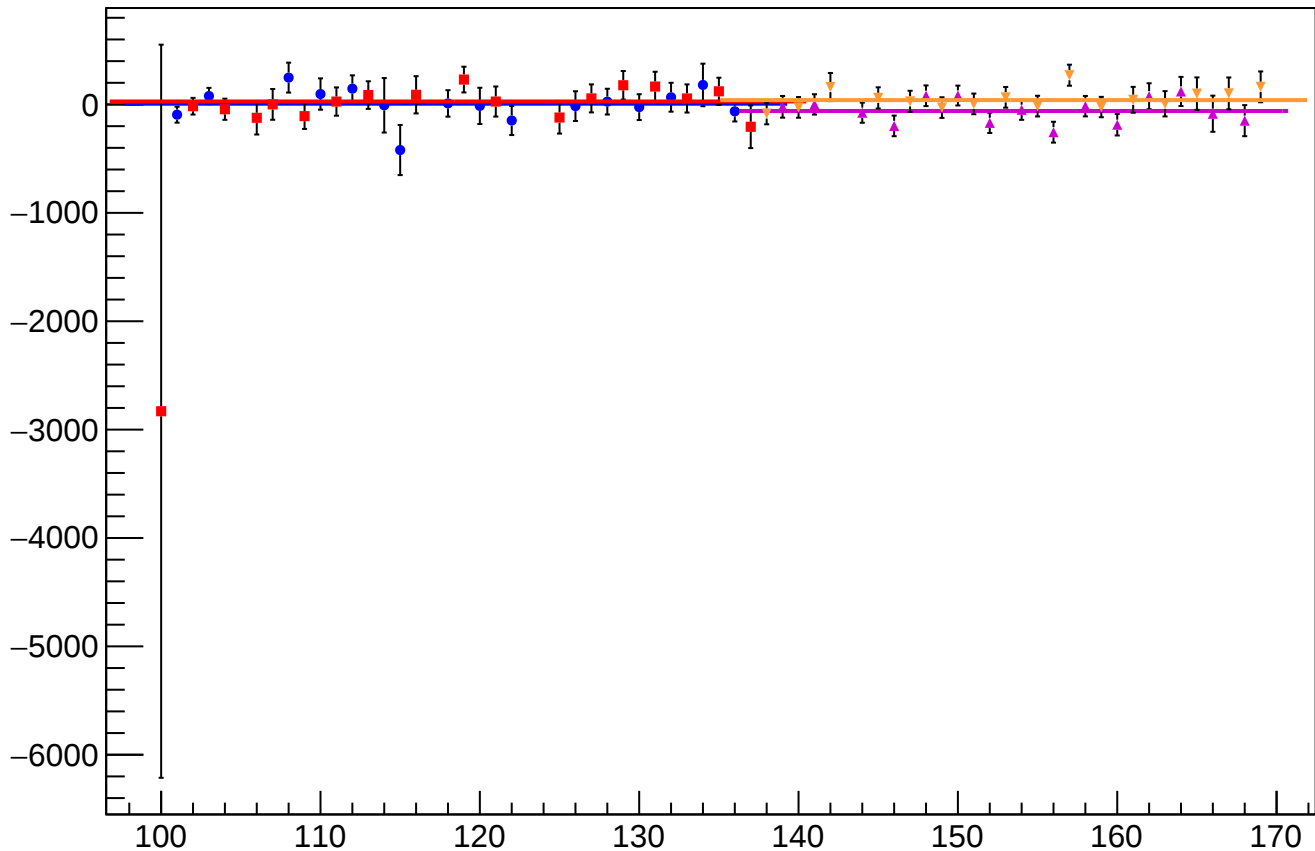
Left In: 89.921 $\pm$ 0.019 χ^2 /NDF: 338850.3/14

+ sign 84.618 $\pm$ 0.014 χ^2 /NDF: 1132871.0/31

All: 85.005 $\pm$ 0.010 χ^2 /NDF: 1994568.4/64

- sign 85.396 $\pm$ 0.014 χ^2 /NDF: 860171.1/32

reg_asym_ds_dd_mean vs Slug



Right In: 7.460 ± 29.969 χ^2/NDF : 13.9/15

Left Out: 40.480 ± 26.502 χ^2/NDF : 11.3/15

Right Out: 27.920 ± 30.428 χ^2/NDF : 12.5/17

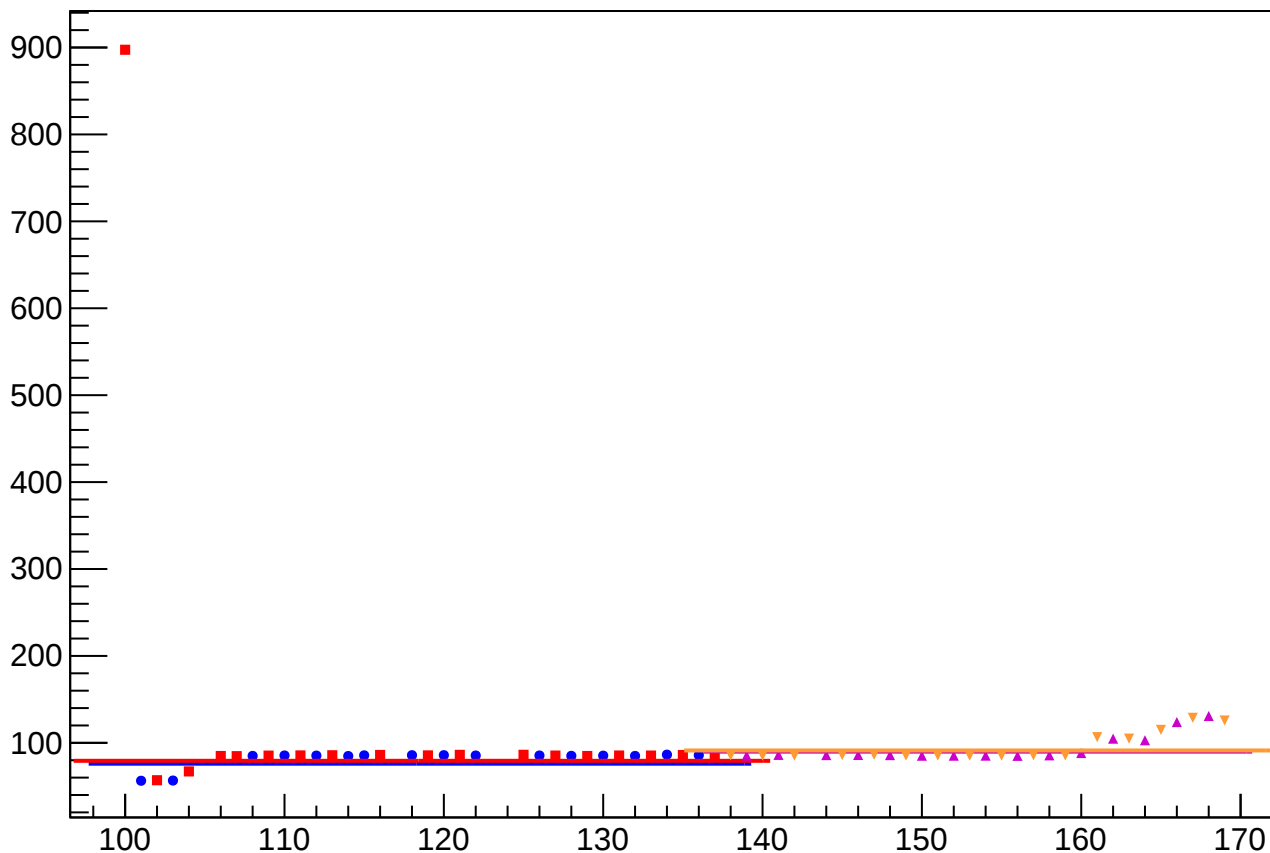
Left In: -59.724 ± 26.433 χ^2/NDF : 18.1/14

+ sign 25.989 ± 19.853 χ^2/NDF : 25.9/31

All: 2.102 ± 14.074 χ^2/NDF : 64.2/64

- sign -22.030 ± 19.955 χ^2/NDF : 35.4/32

reg_asym_ds_dd_rms vs Slug



Right In: 76.032 $\pm$ 0.021 χ^2 /NDF: 408917.7/15

Left Out: 91.241 $\pm$ 0.019 χ^2 /NDF: 435033.4/15

Right Out: 79.342 $\pm$ 0.022 χ^2 /NDF: 378371.9/17

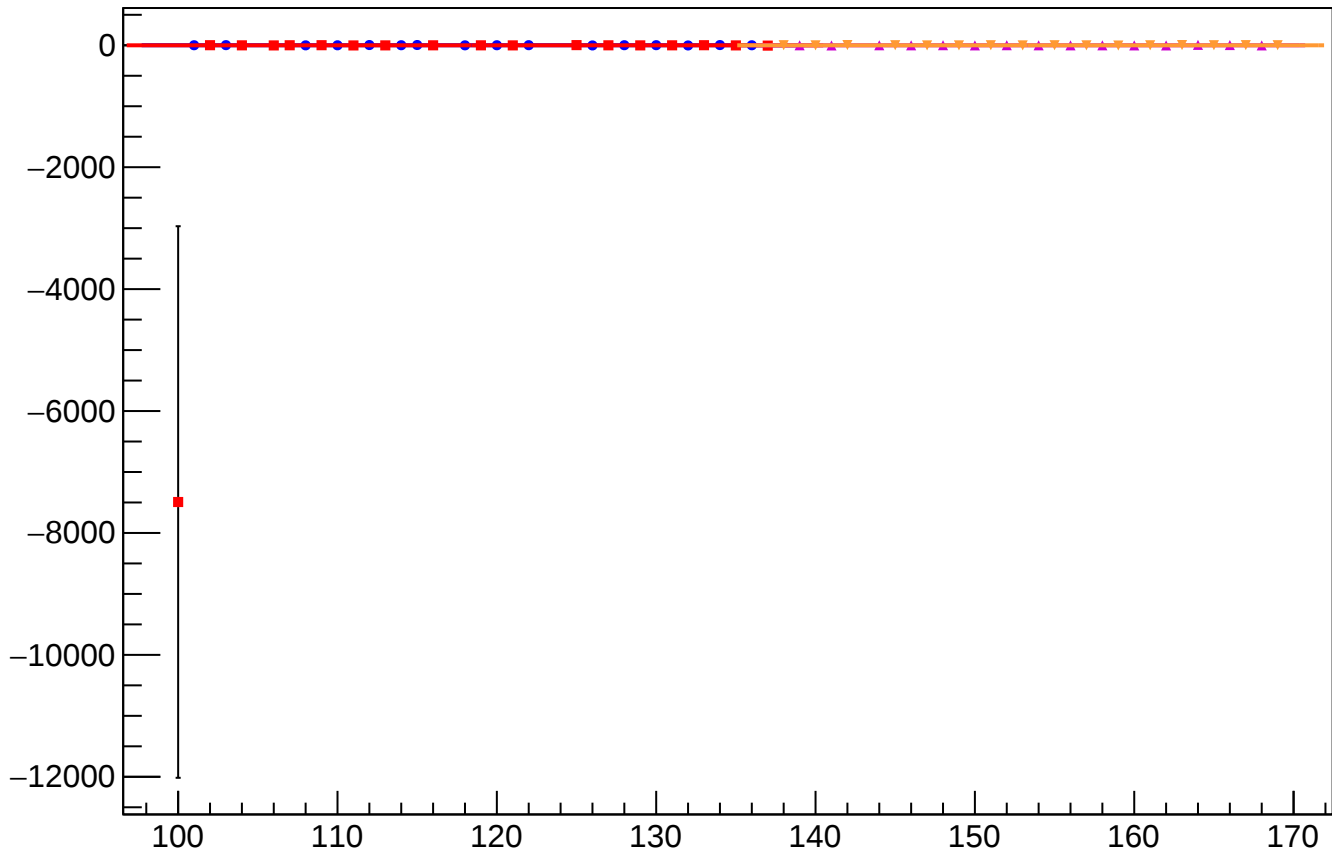
Left In: 89.888 $\pm$ 0.019 χ^2 /NDF: 339270.6/14

+ sign 84.567 $\pm$ 0.014 χ^2 /NDF: 1133026.1/31

All: 84.957 $\pm$ 0.010 χ^2 /NDF: 1989149.0/64

- sign 85.352 $\pm$ 0.014 χ^2 /NDF: 854566.1/32

asym_ds_dd_correction_mean vs Slug



Right In: 0.911 ± 0.532 χ^2/NDF : 12.0/15

Left Out: -0.323 ± 0.466 χ^2/NDF : 16.5/15

Right Out: -0.314 ± 0.548 χ^2/NDF : 12.6/17

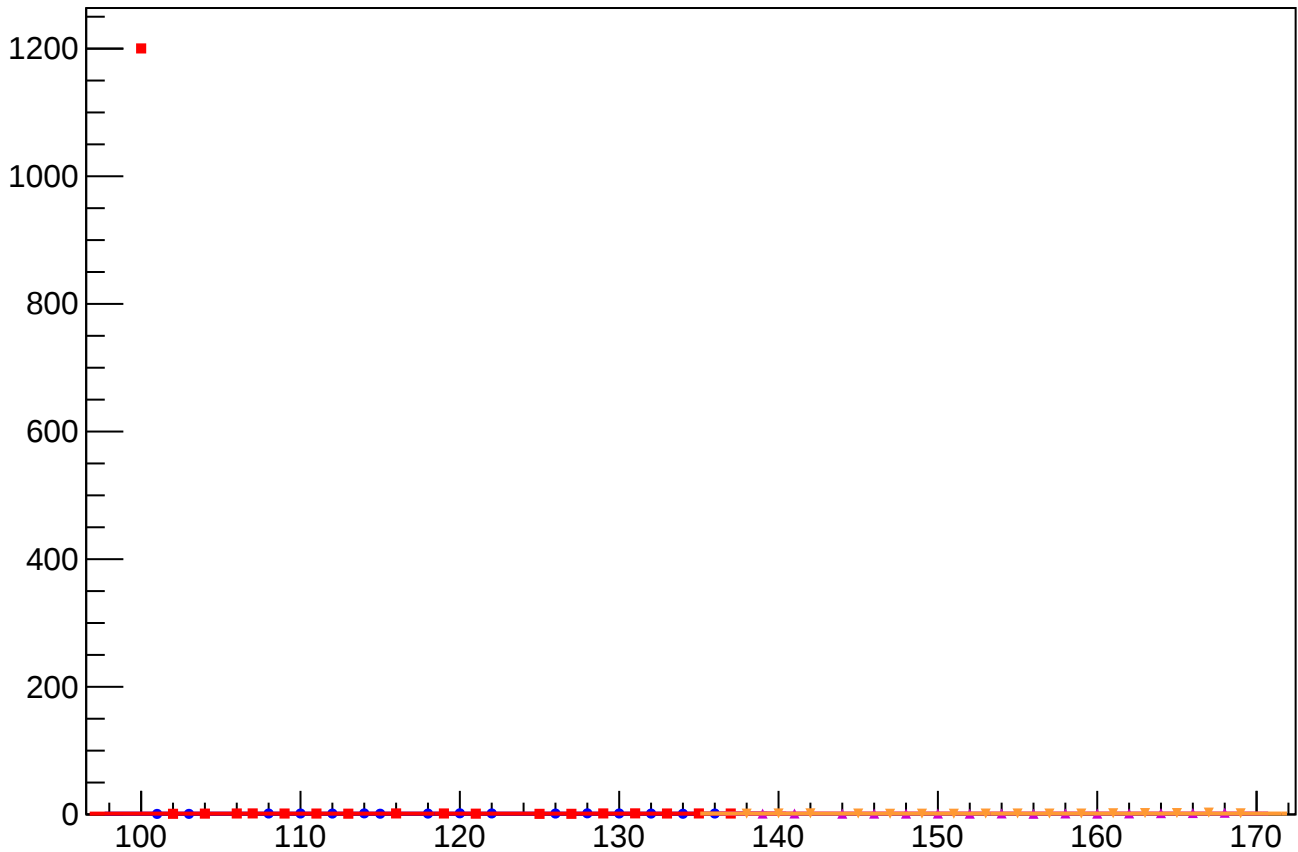
Left In: -0.100 ± 0.469 χ^2/NDF : 14.8/14

+ sign 0.213 ± 0.351 χ^2/NDF : 31.5/31

All: 0.014 ± 0.250 χ^2/NDF : 59.7/64

- sign -0.190 ± 0.356 χ^2/NDF : 27.5/32

asym_ds_dd_correction_rms vs Slug



Right In: 1.238 $\pm$ 0.000 χ^2 /NDF: 657848.9/15

Left Out: 1.434 $\pm$ 0.000 χ^2 /NDF:1011683.0/15

Right Out: 1.317 $\pm$ 0.000 χ^2 /NDF: 521587.9/17

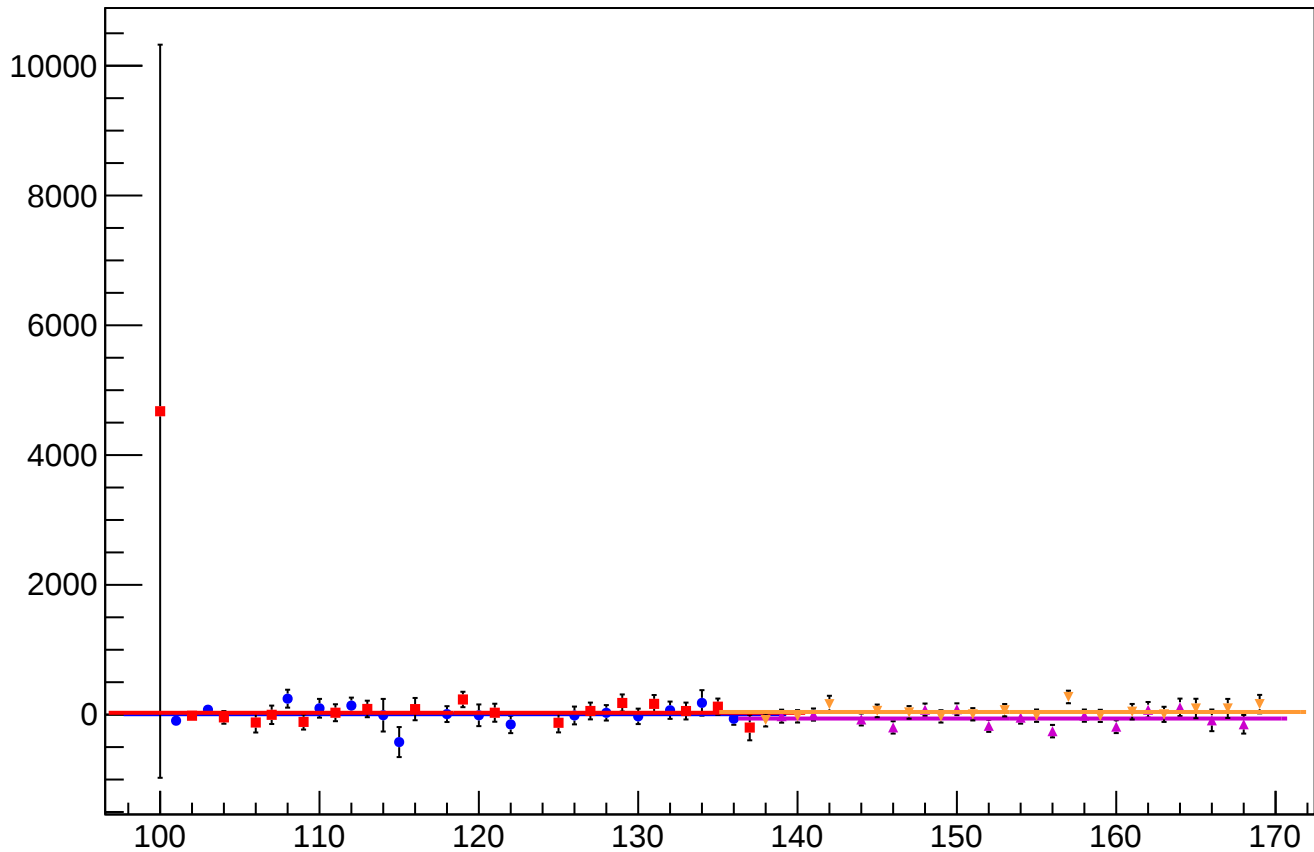
Left In: 1.438 $\pm$ 0.000 χ^2 /NDF:725435.7/14

+ sign 1.349 $\pm$ 0.000 χ^2 /NDF: 1824065.7/31

All: 1.368 $\pm$ 0.000 χ^2 /NDF: 3138682.4/64

- sign 1.387 $\pm$ 0.000 χ^2 /NDF: 1302943.3/32

asym_ds_dd_mean vs Slug



Right In: 6.781 ± 29.977 χ^2/NDF : 13.8/15

Left Out: 41.033 ± 26.511 χ^2/NDF : 11.2/15

Right Out: 28.551 ± 30.437 χ^2/NDF : 12.7/17

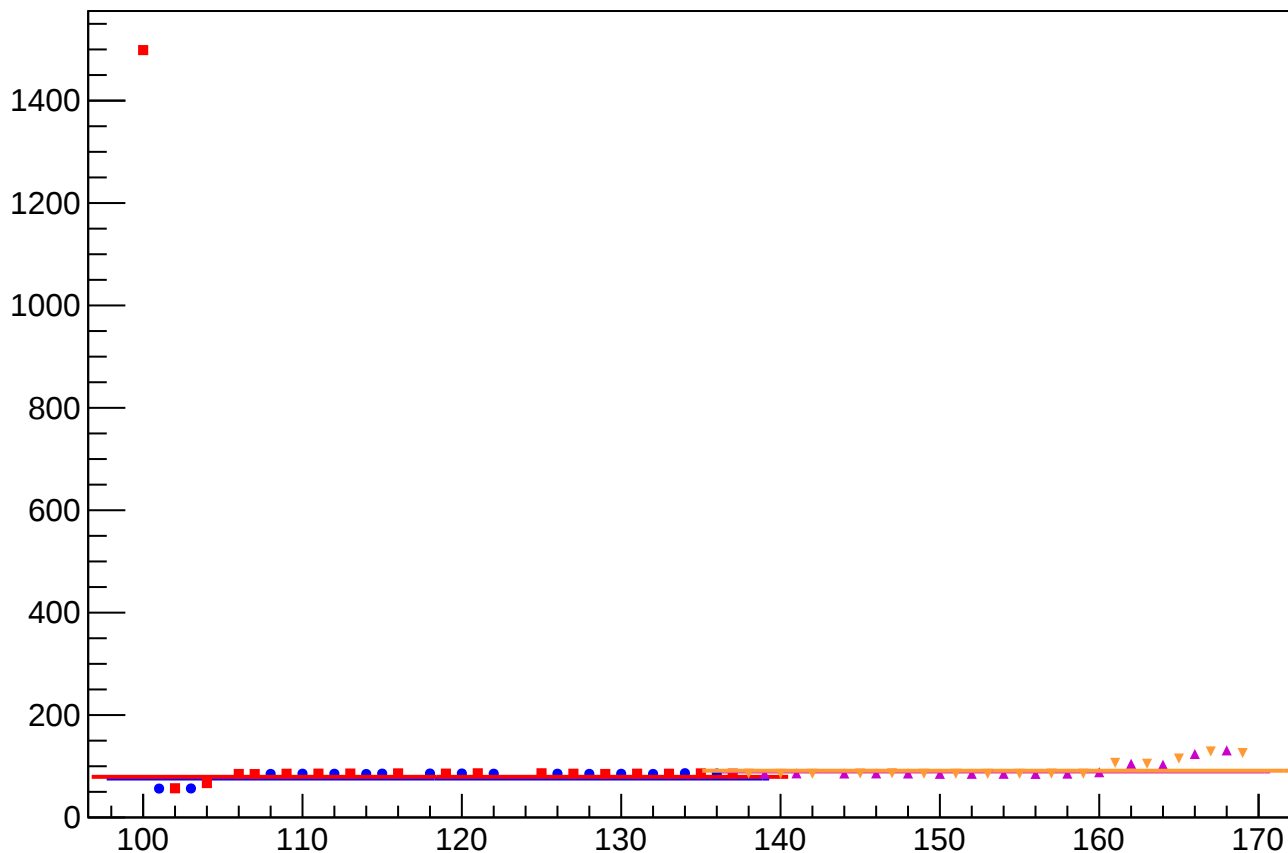
Left In: -60.091 ± 26.441 χ^2/NDF : 17.8/14

+ sign 26.001 ± 19.859 χ^2/NDF : 25.8/31

All: 2.139 ± 14.078 χ^2/NDF : 63.9/64

- sign -21.968 ± 19.961 χ^2/NDF : 35.3/32

asym_ds_dd_rms vs Slug



Right In: 76.052 $\pm$ 0.021 χ^2 /NDF: 408962.1/15

Left Out: 91.268 $\pm$ 0.019 χ^2 /NDF: 435776.3/15

Right Out: 79.338 $\pm$ 0.022 χ^2 /NDF: 387631.3/17

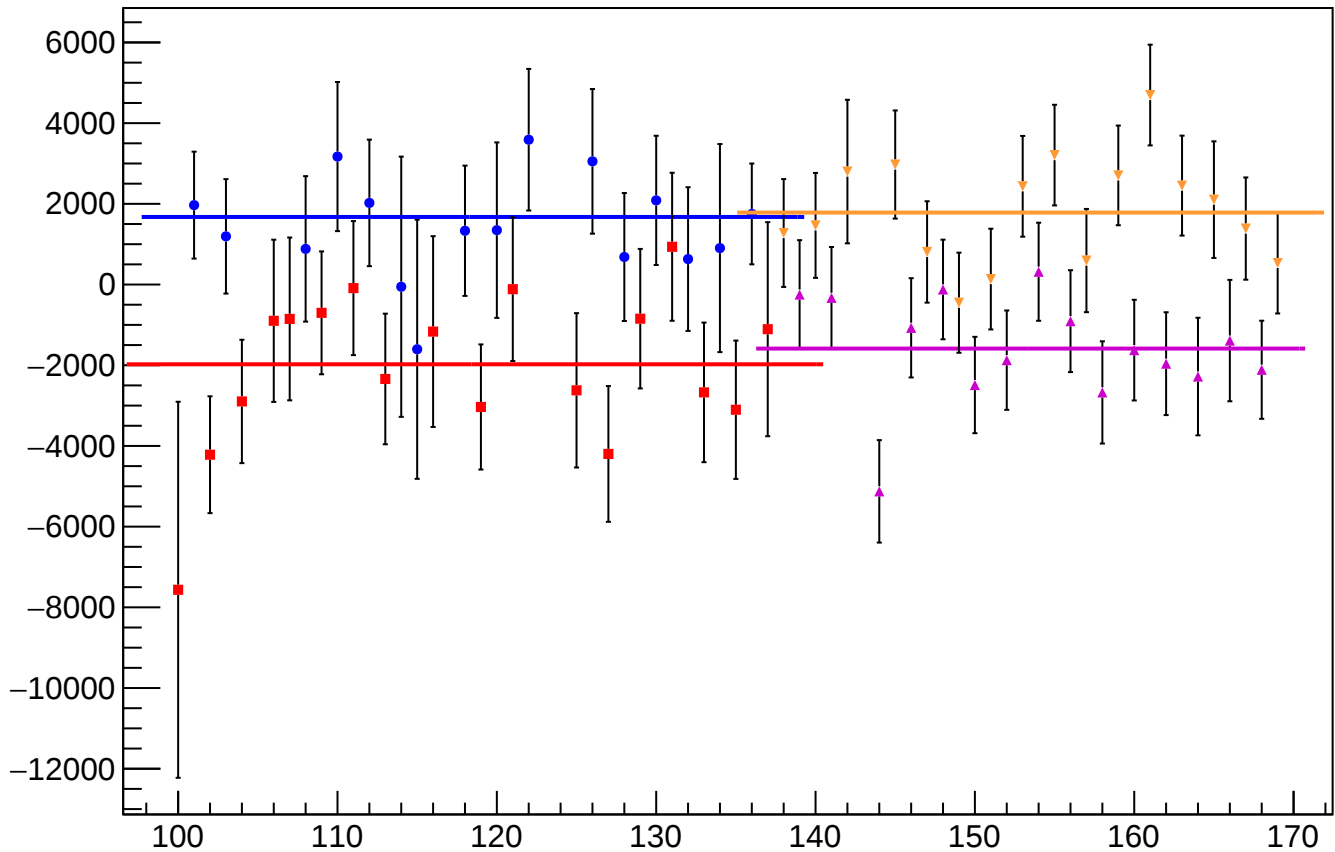
Left In: 89.914 $\pm$ 0.019 χ^2 /NDF: 339741.7/14

+ sign 84.591 $\pm$ 0.014 χ^2 /NDF: 1133883.5/31

All: 84.976 $\pm$ 0.010 χ^2 /NDF: 2000374.1/64

- sign 85.365 $\pm$ 0.014 χ^2 /NDF: 864975.8/32

reg_asym_usl_mean vs Slug



Right In: 1674.993+/-430.597 χ^2/NDF : 5.1/15

Left Out: 1784.398+/-323.860 χ^2/NDF : 16.8/15

Right Out: -1976.296+/-422.405 χ^2/NDF : 14.0/17

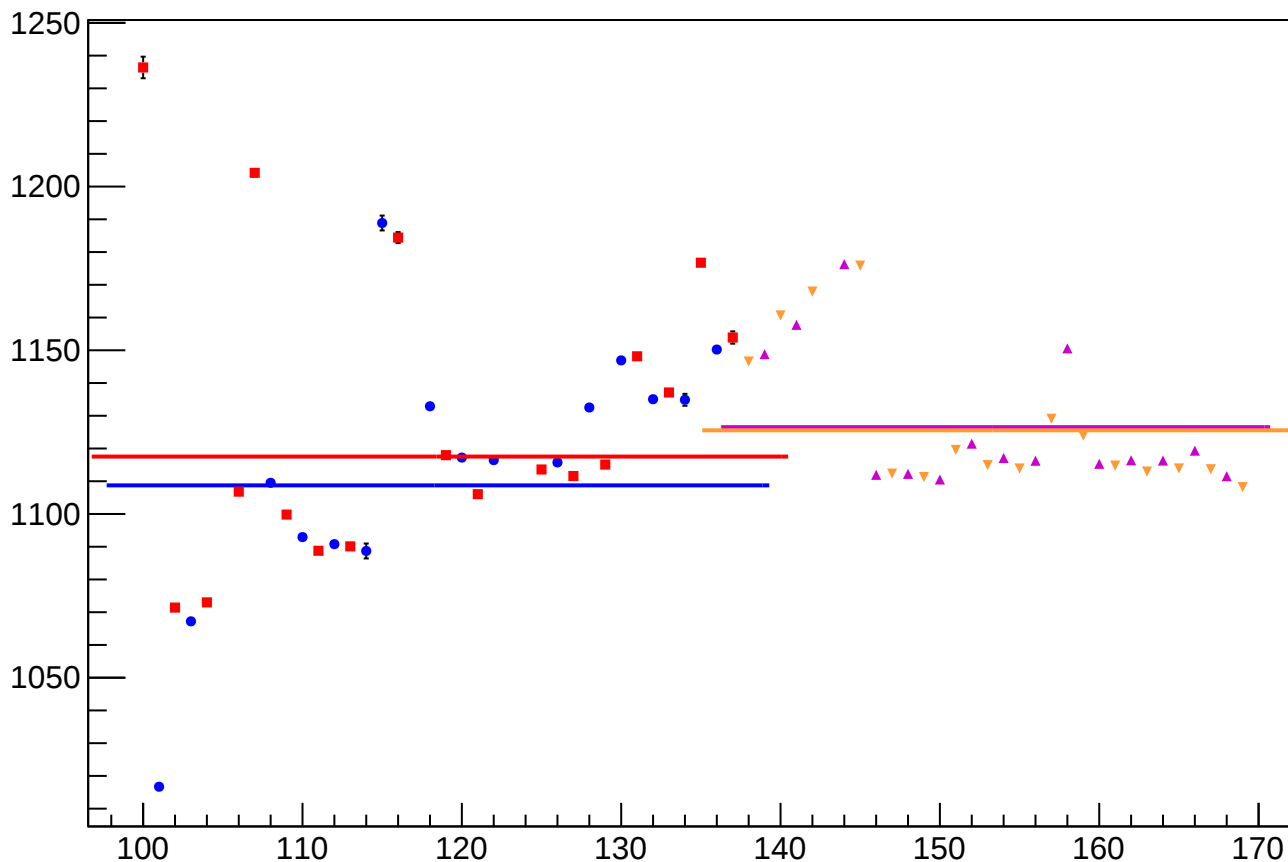
Left In: -1586.938+/-328.740 χ^2/NDF : 16.0/14

+ sign 1744.870+/-258.824 χ^2/NDF : 22.0/31

All: 9.604+/-183.231 χ^2/NDF : 142.6/64

- sign -1733.809+/-259.431 χ^2/NDF : 30.5/32

reg_asym_usl_rms vs Slug



Right In: 1108.739 $\pm$ 0.304 χ^2 /NDF: 18080.7/15

Left Out: 1125.554 $\pm$ 0.229 χ^2 /NDF: 7821.4/15

Right Out: 1117.539 $\pm$ 0.299 χ^2 /NDF: 15515.2/17

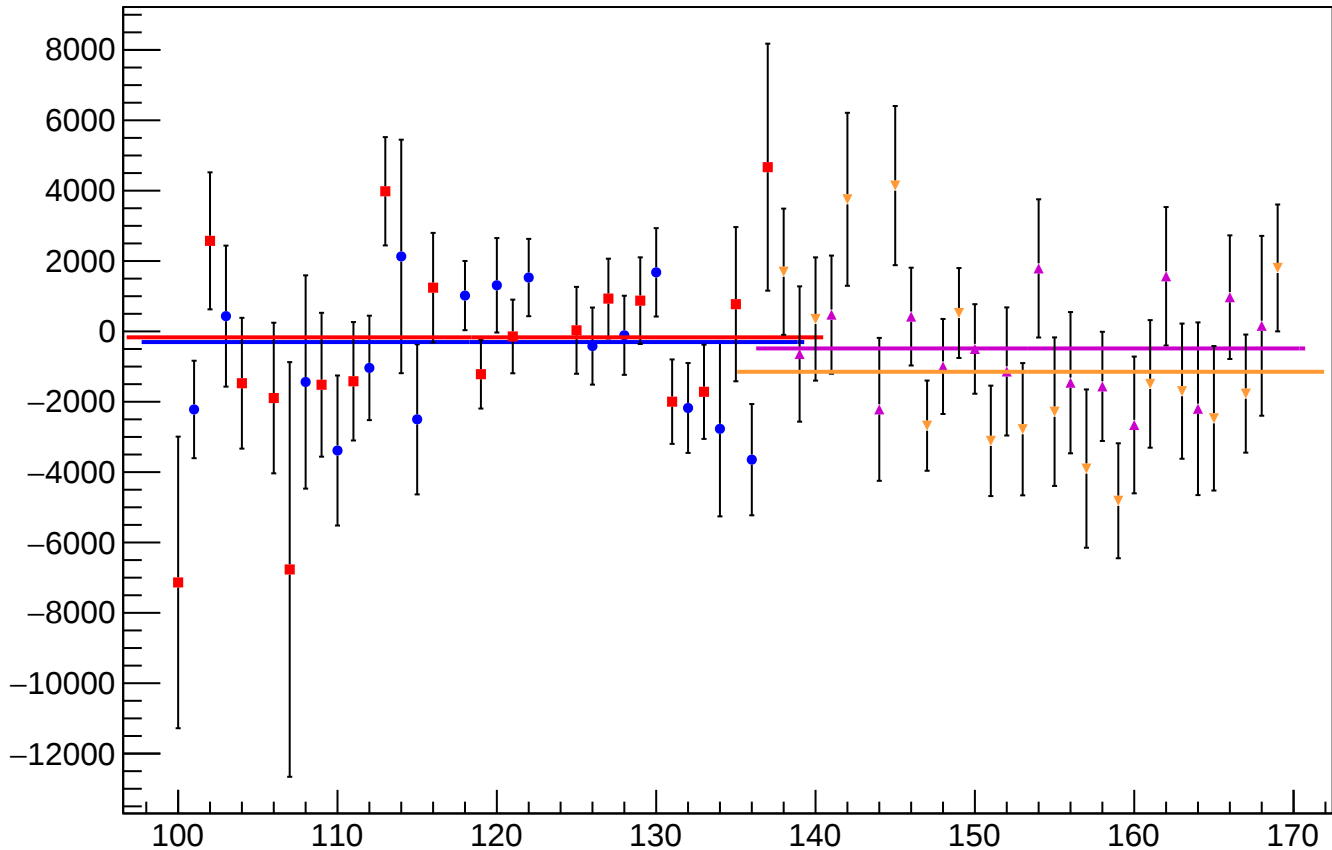
Left In: 1126.525 $\pm$ 0.232 χ^2 /NDF: 7502.4/14

+ sign 1119.479 $\pm$ 0.183 χ^2 /NDF: 27849.9/31

All: 1121.303 $\pm$ 0.130 χ^2 /NDF: 51630.3/64

- sign 1123.135 $\pm$ 0.183 χ^2 /NDF: 23581.2/32

asym_usl_correction_mean vs Slug



Right In: -303.335 ± 360.068 χ^2/NDF : 22.3/15

Left Out: -1148.199 ± 439.435 χ^2/NDF : 28.3/15

Right Out: -168.849 ± 356.237 χ^2/NDF : 24.9/17

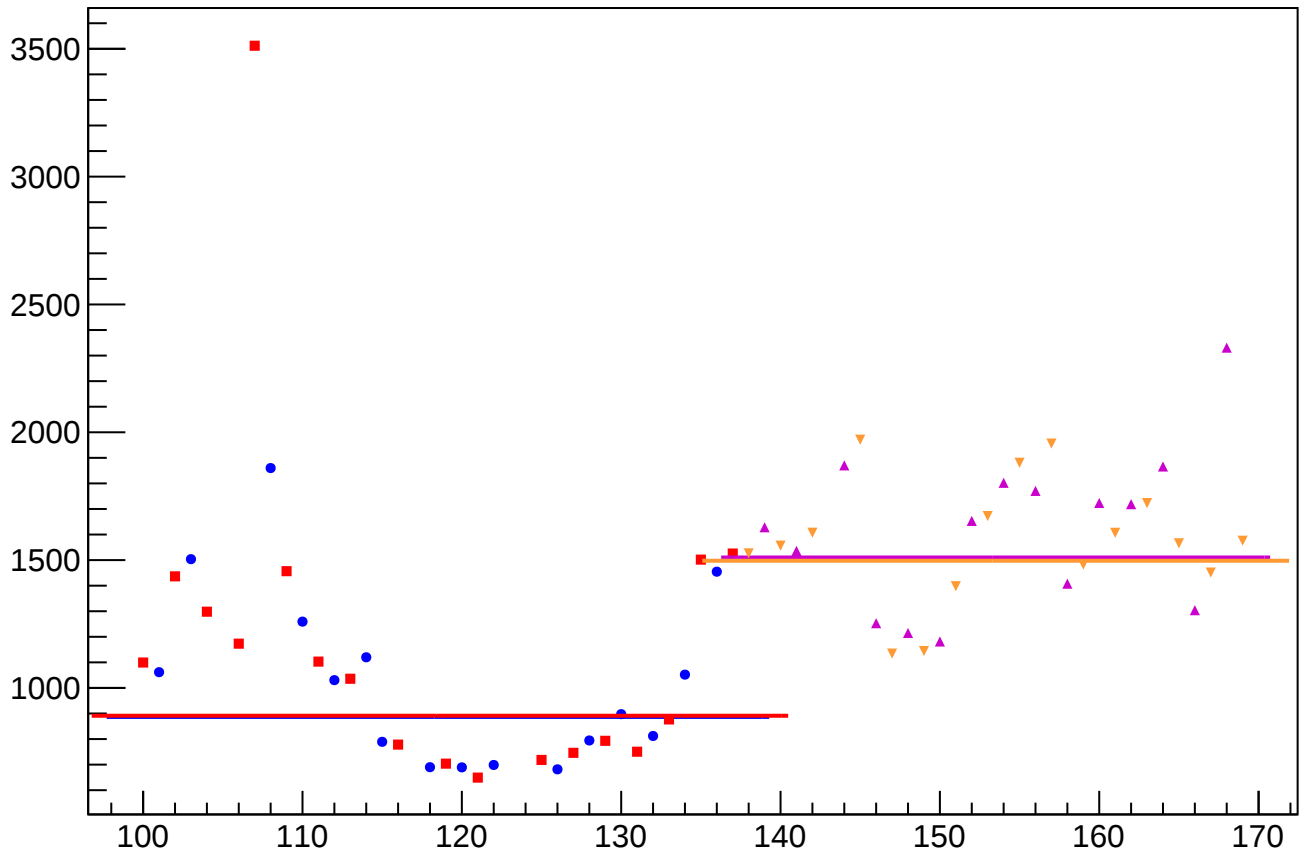
Left In: -484.717 ± 449.867 χ^2/NDF : 7.4/14

+ sign -642.715 ± 278.513 χ^2/NDF : 52.8/31

All: -467.132 ± 197.208 χ^2/NDF : 86.2/64

- sign -290.583 ± 279.278 χ^2/NDF : 32.6/32

asym_usl_correction_rms vs Slug



Right In: 886.691+/-0.255 χ^2/NDF : 1060864.2/15

Left Out: 1497.499+/-0.311 χ^2/NDF : 624556.3/15

Right Out: 891.197+/-0.252 χ^2/NDF : 1414187.9/17

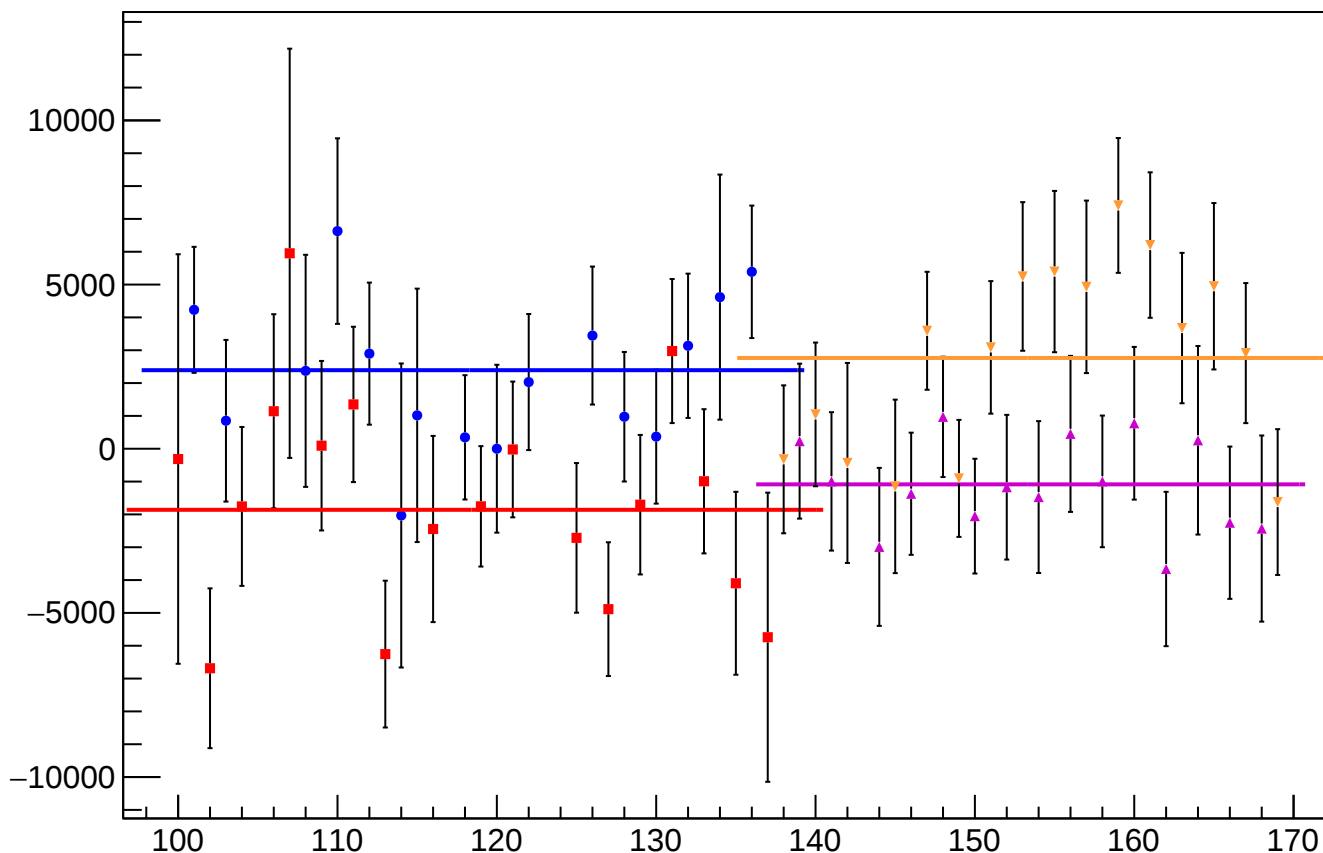
Left In: 1510.196+/-0.318 χ^2/NDF : 789706.5/14

+ sign 1132.051+/-0.197 χ^2/NDF : 3997325.8/31

All: 1130.907+/-0.139 χ^2/NDF : 8528514.8/64

- sign 1129.756+/-0.197 χ^2/NDF : 4531121.3/32

asym_usl_mean vs Slug



Right In: 2392.385 $\pm$ 588.991 χ^2 /NDF: 11.2/15

Left Out: 2765.080 $\pm$ 555.314 χ^2 /NDF:25.6/15

Right Out: -1859.867 $\pm$ 583.119 χ^2 /NDF: 22.5/17

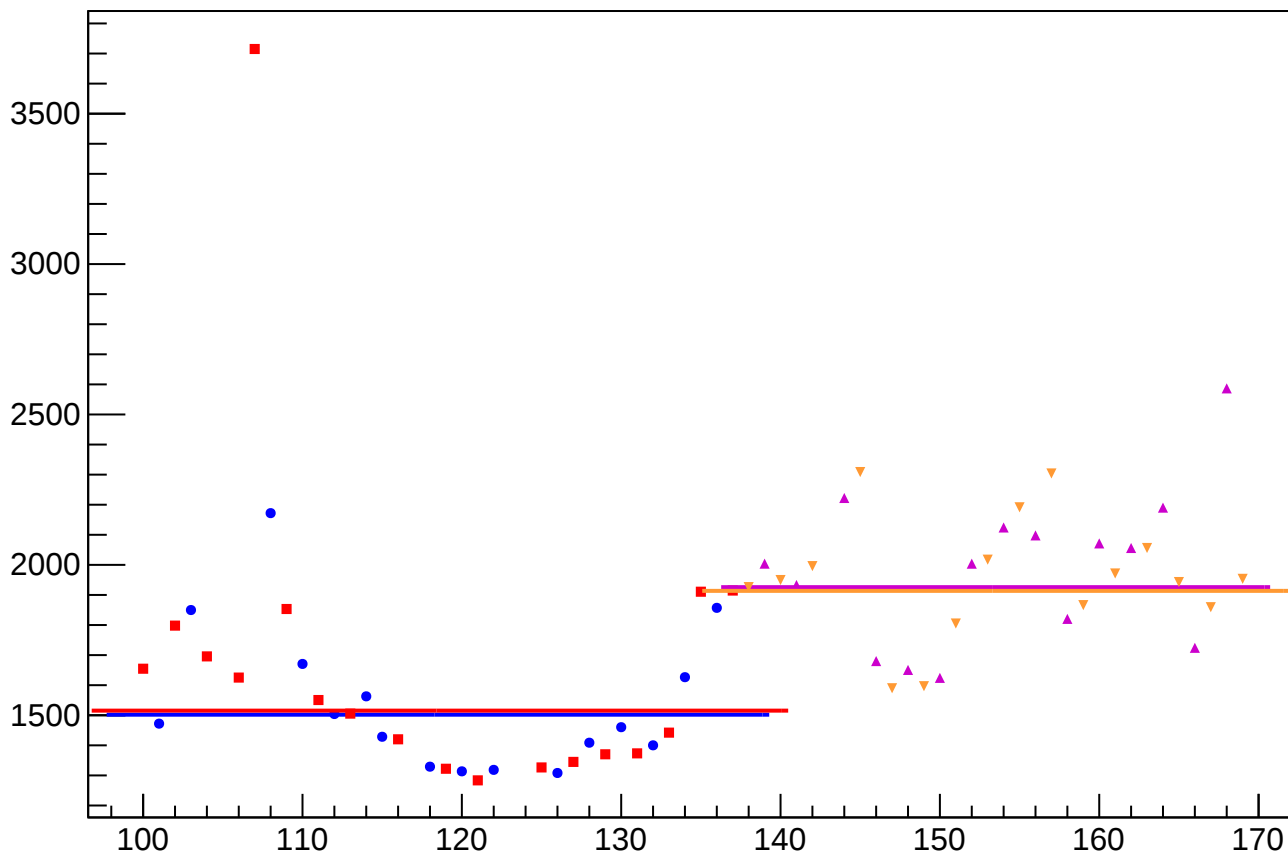
Left In: -1084.859 $\pm$ 567.254 χ^2 /NDF:5.5/14

+ sign 2589.692 $\pm$ 404.048 χ^2 /NDF: 37.0/31

All: 576.776 $\pm$ 286.604 χ^2 /NDF: 115.9/64

- sign -1461.677 $\pm$ 406.602 χ^2 /NDF: 28.9/32

asym_usl_rms vs Slug



Right In: 1501.937+/-0.416 χ^2/NDF : 254549.7/15

Left Out: 1913.567+/-0.393 χ^2/NDF : 267120.6/15

Right Out: 1515.406+/-0.412 χ^2/NDF : 479759.9/17

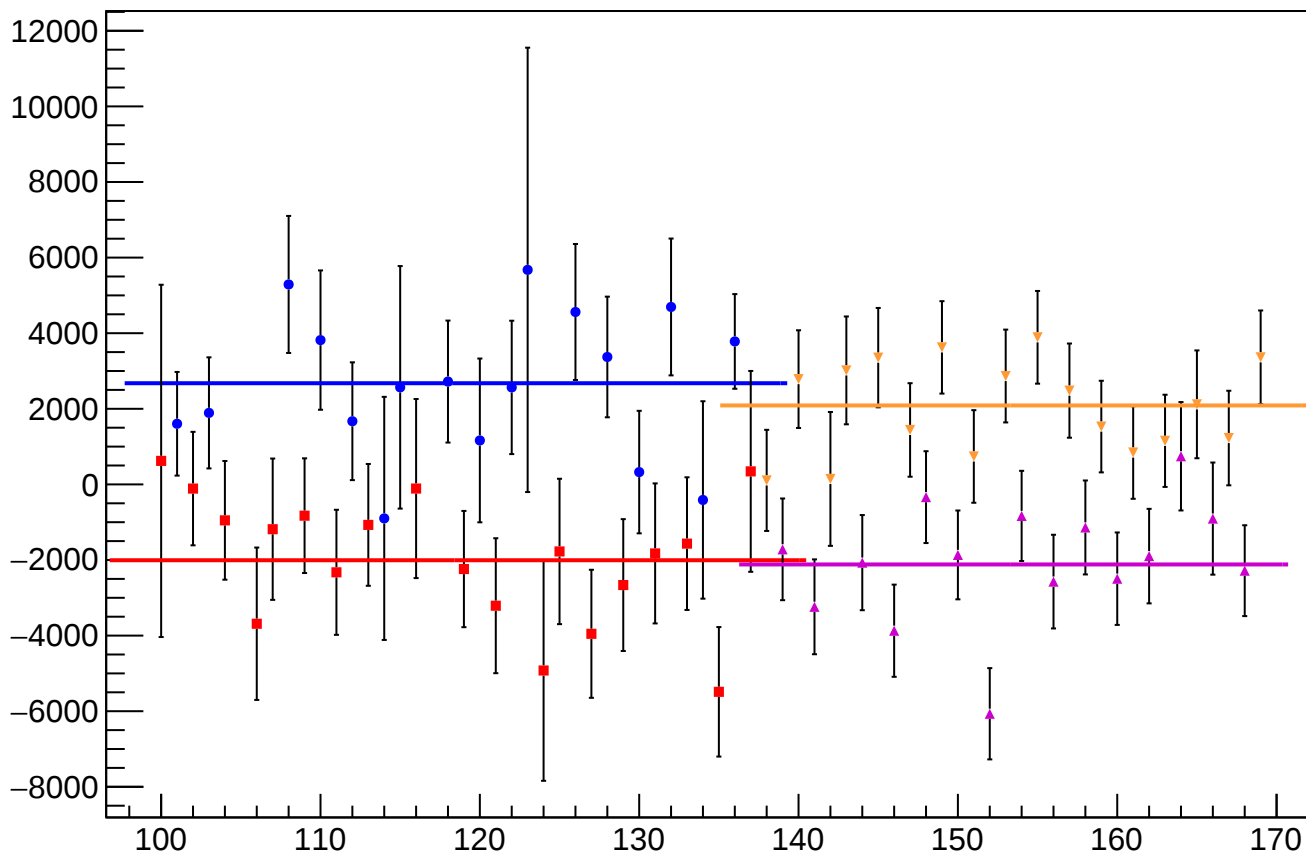
Left In: 1925.902+/-0.401 χ^2/NDF : 360093.3/14

+ sign 1719.856+/-0.286 χ^2/NDF : 1038819.8/31

All: 1723.065+/-0.203 χ^2/NDF : 2388161.9/64

- sign 1726.314+/-0.288 χ^2/NDF : 1349088.2/32

reg_asym_usr_mean vs Slug



Right In: 2676.683 ± 433.582 χ^2/NDF : 12.6/16

Left Out: 2088.935 ± 311.430 χ^2/NDF : 14.1/16

Right Out: -2006.577 ± 419.165 χ^2/NDF : 12.8/18

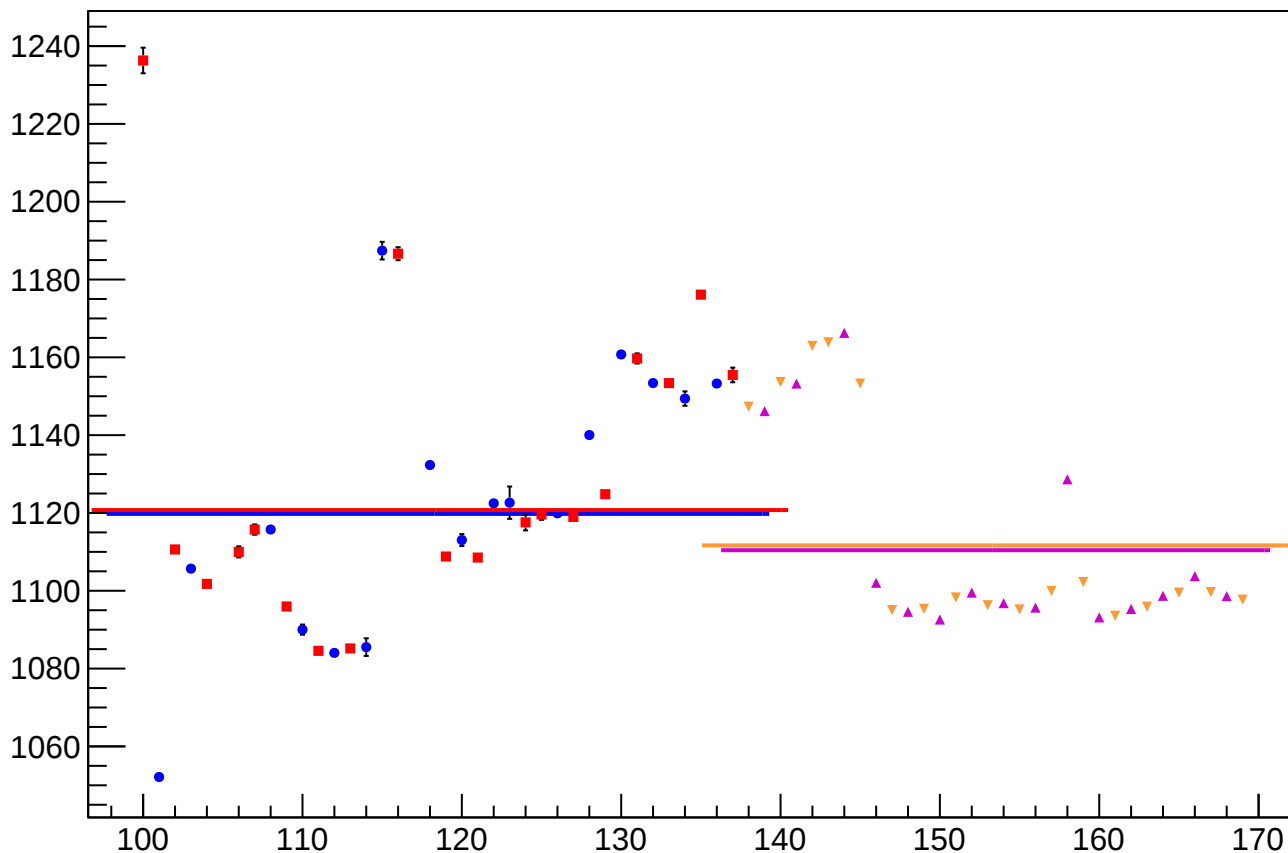
Left In: -2117.799 ± 324.064 χ^2/NDF : 22.6/14

+ sign 2288.965 ± 252.943 χ^2/NDF : 27.9/33

All: 135.830 ± 180.060 χ^2/NDF : 210.2/67

- sign -2076.190 ± 256.379 χ^2/NDF : 35.4/33

reg_asym_usr_rms vs Slug



Right In: 1119.762 $\pm$ 0.307 χ^2 /NDF: 11876.8/16

Left Out: 1111.659 $\pm$ 0.220 χ^2 /NDF:13171.3/16

Right Out: 1120.746 $\pm$ 0.296 χ^2 /NDF: 9934.2/18

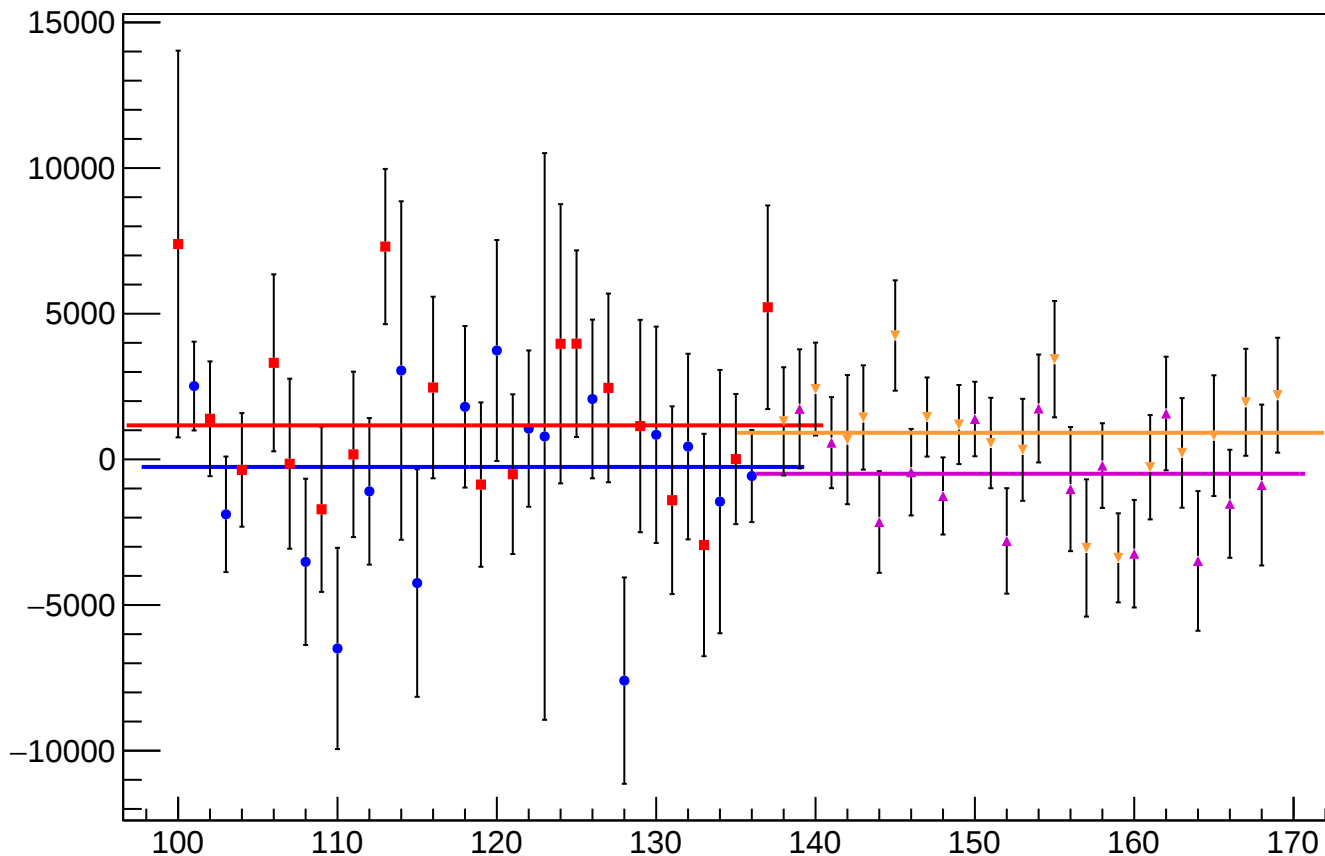
Left In: 1110.426 $\pm$ 0.229 χ^2 /NDF:10771.6/14

+ sign 1114.417 $\pm$ 0.179 χ^2 /NDF: 25508.9/33

All: 1114.353 $\pm$ 0.127 χ^2 /NDF: 46973.8/67

- sign 1114.287 $\pm$ 0.181 χ^2 /NDF: 21464.6/33

asym_usr_correction_mean vs Slug



Right In: -259.821+/-655.275 χ^2/NDF : 17.2/16

Left Out: 912.856+/-424.730 χ^2/NDF : 18.1/16

Right Out: 1167.598+/-662.428 χ^2/NDF : 14.4/18

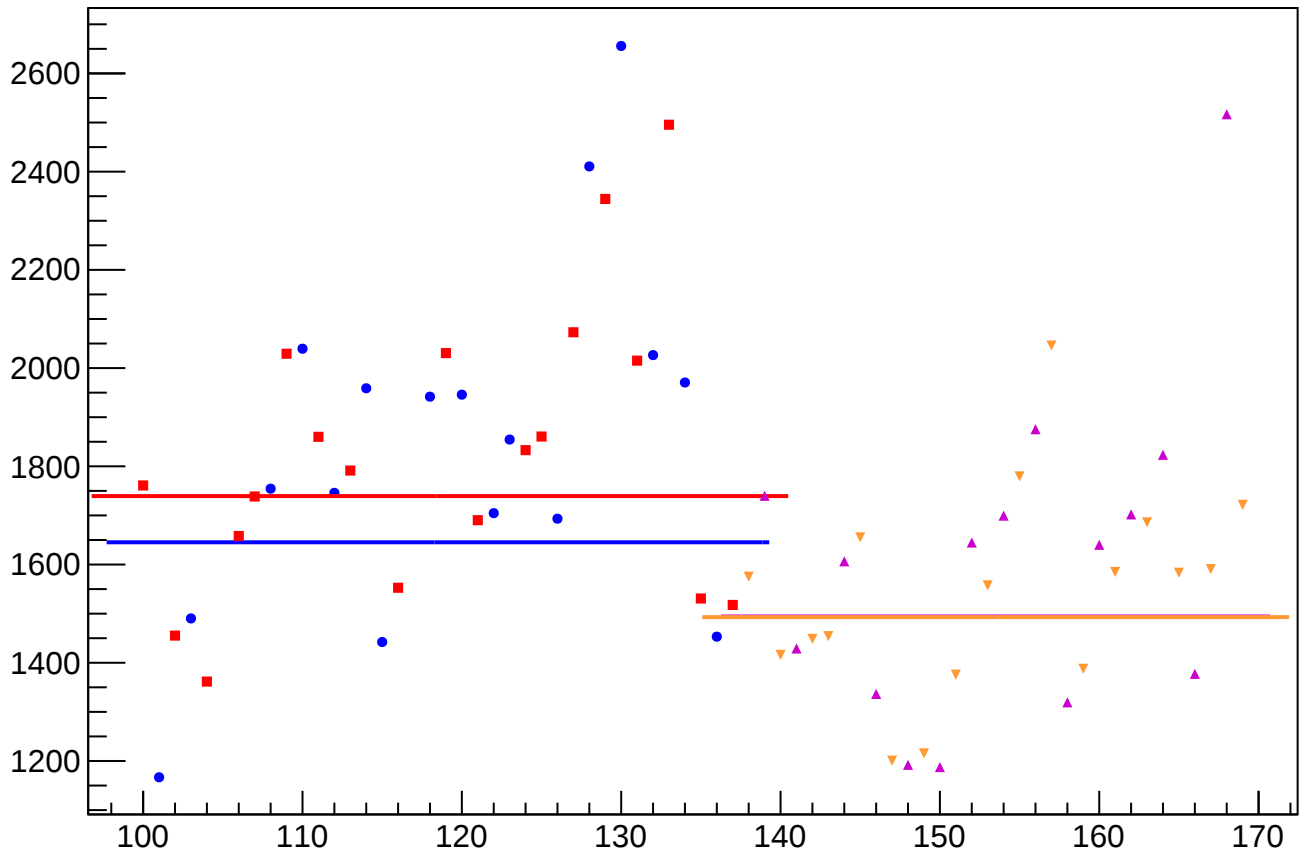
Left In: -493.872+/-444.820 χ^2/NDF : 13.5/14

+ sign 565.935+/-356.410 χ^2/NDF : 37.6/33

All: 303.845+/-256.451 χ^2/NDF : 70.9/67

- sign 22.475+/-369.287 χ^2/NDF : 32.2/33

asym_usr_correction_rms vs Slug



Right In: 1645.307+/-0.463 χ^2/NDF : 600915.2/16

Left Out: 1492.907+/-0.300 χ^2/NDF : 438769.8/16

Right Out: 1739.382+/-0.468 χ^2/NDF : 371012.9/18

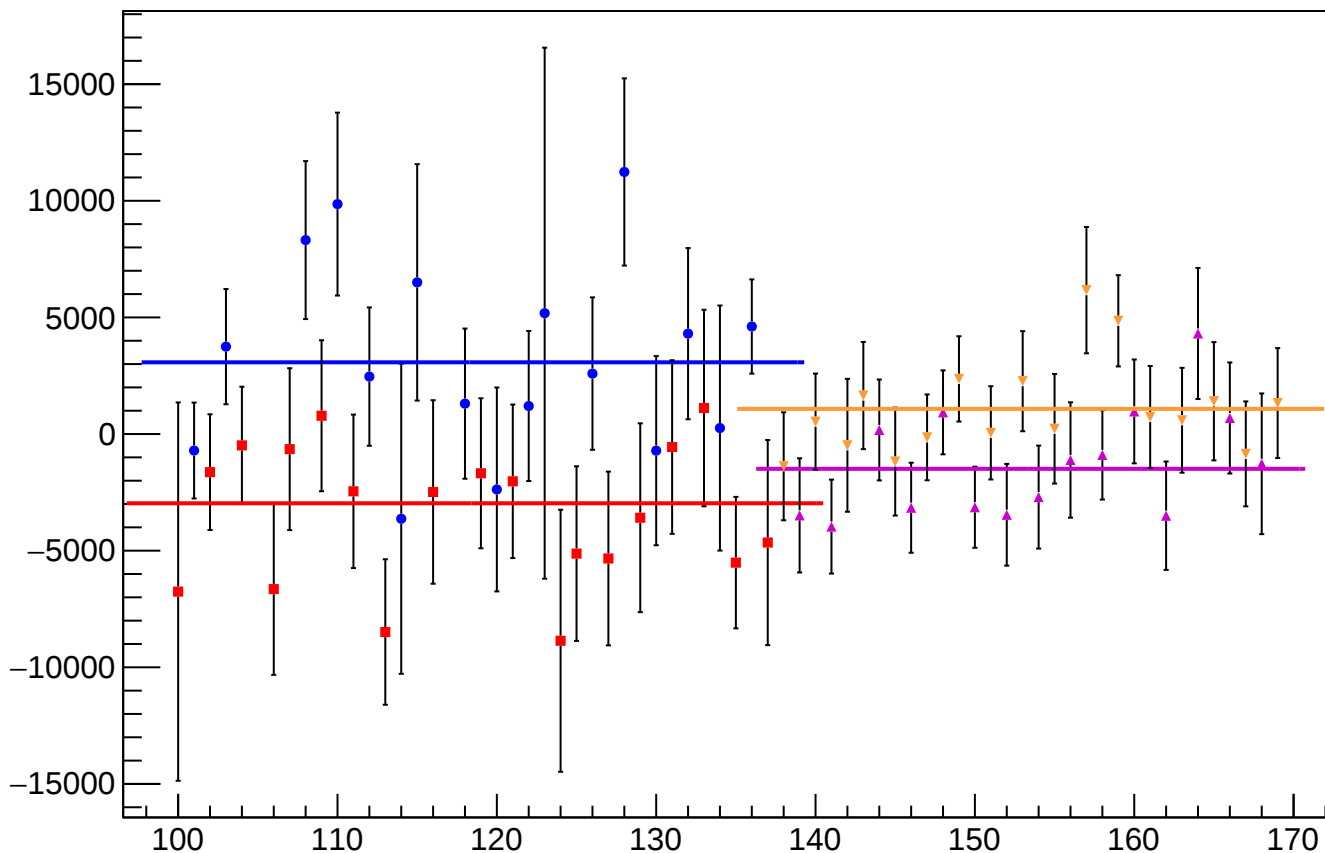
Left In: 1494.220+/-0.315 χ^2/NDF : 768816.2/14

+ sign 1537.992+/-0.252 χ^2/NDF : 1115861.8/33

All: 1553.627+/-0.181 χ^2/NDF : 2452476.7/67

- sign 1570.411+/-0.261 χ^2/NDF : 1328634.9/33

asym_usr_mean vs Slug



Right In: 3075.401 $\pm$ 802.249 χ^2 /NDF: 18.6/16

Left Out: 1079.499 $\pm$ 534.233 χ^2 /NDF:12.2/16

Right Out: -2967.536 $\pm$ 795.639 χ^2 /NDF: 11.9/18

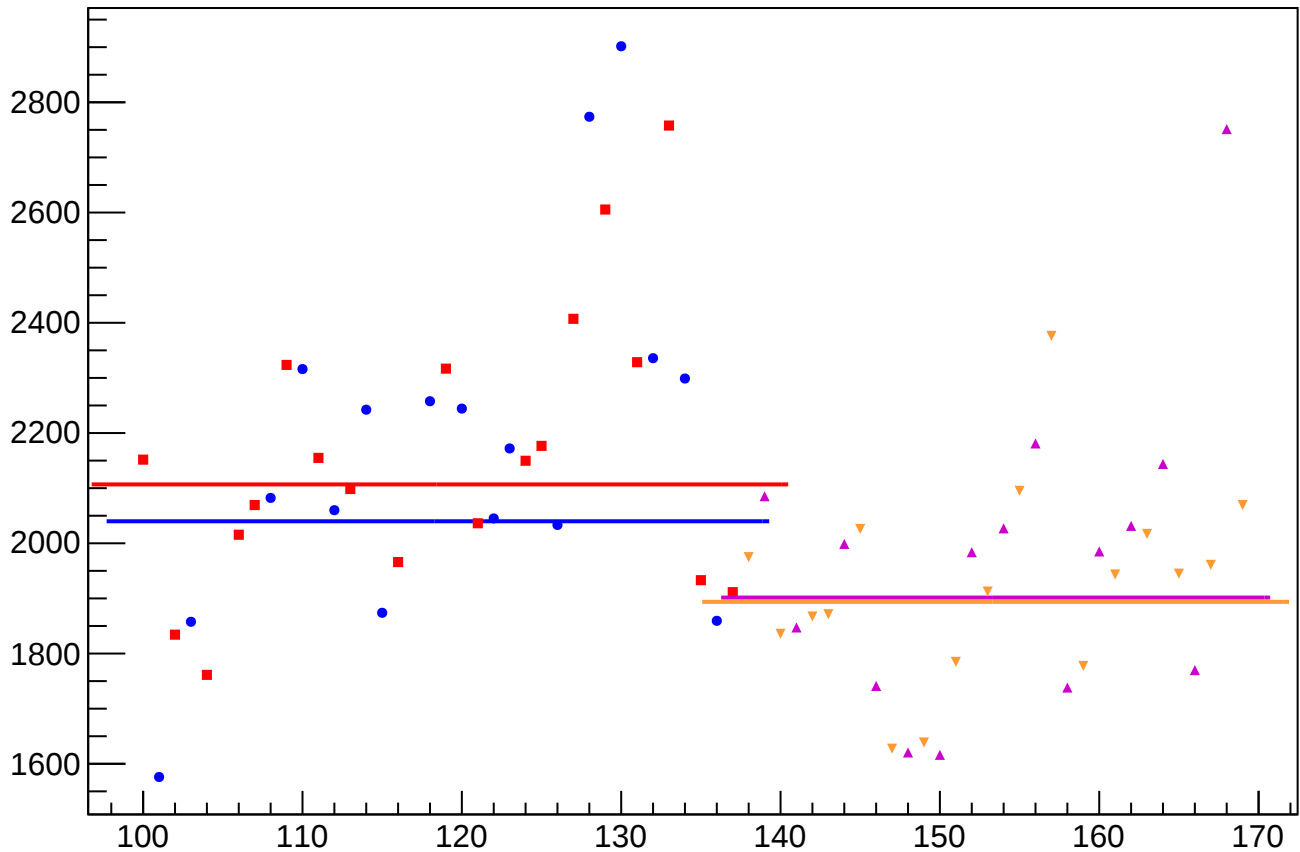
Left In: -1491.933 $\pm$ 560.142 χ^2 /NDF:14.5/14

+ sign 1692.668 $\pm$ 444.662 χ^2 /NDF: 35.1/33

All: -89.779 $\pm$ 319.042 χ^2 /NDF: 97.0/67

- sign -1980.932 $\pm$ 458.021 χ^2 /NDF: 28.7/33

asym_usr_rms vs Slug



Right In: 2039.942 $\pm$ 0.567 χ^2 /NDF: 331984.0/16

Left Out: 1893.776 $\pm$ 0.378 χ^2 /NDF: 203841.3/16

Right Out: 2106.832 $\pm$ 0.563 χ^2 /NDF: 195448.9/18

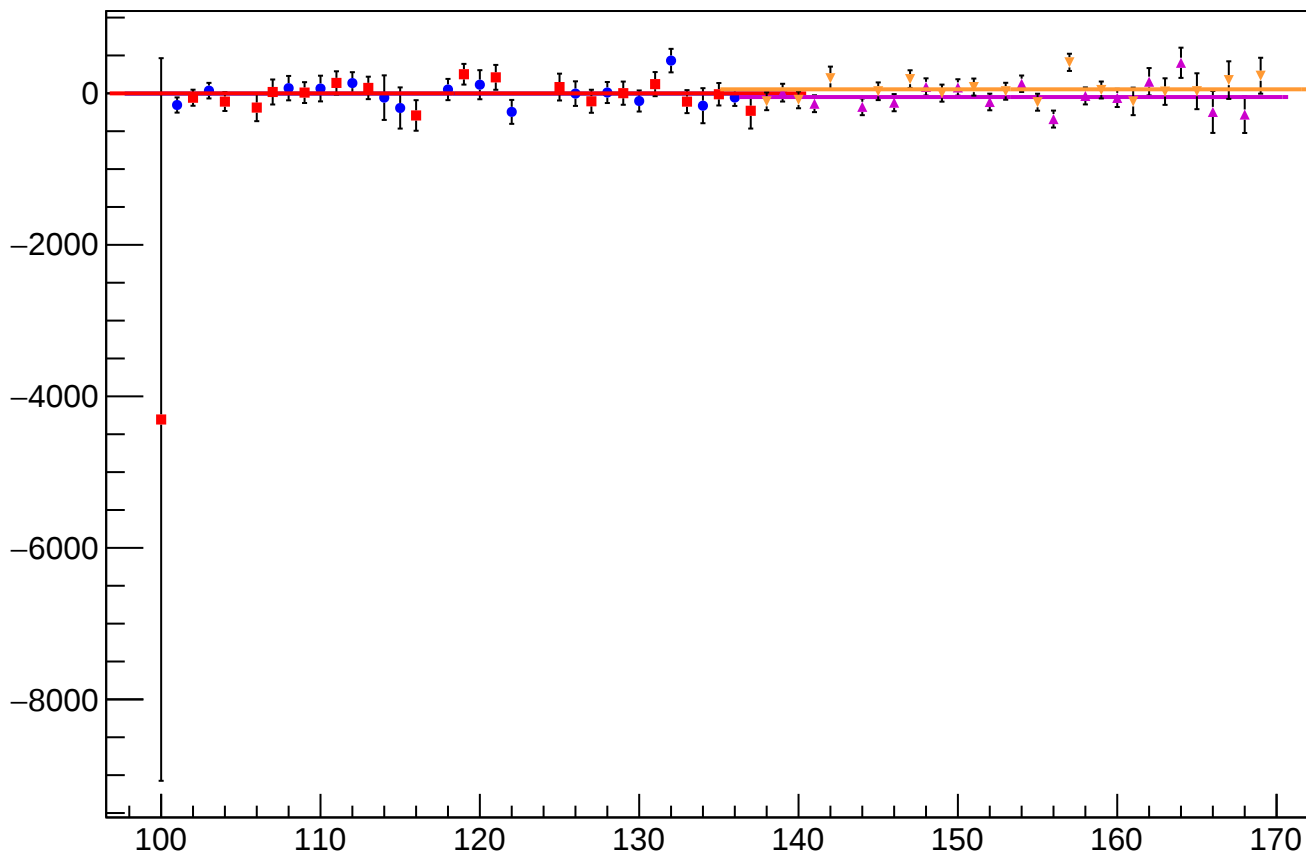
Left In: 1901.559 $\pm$ 0.396 χ^2 /NDF: 371498.0/14

+ sign 1938.680 $\pm$ 0.314 χ^2 /NDF: 581819.5/33

All: 1953.675 $\pm$ 0.226 χ^2 /NDF: 1242463.0/67

- sign 1969.585 $\pm$ 0.324 χ^2 /NDF: 655956.1/33

reg_asym_dsl_mean vs Slug



Right In: -3.283 ± 36.714 χ^2/NDF : 16.1/15

Left Out: 53.066 ± 32.732 χ^2/NDF : 19.8/15

Right Out: -0.487 ± 36.699 χ^2/NDF : 14.0/17

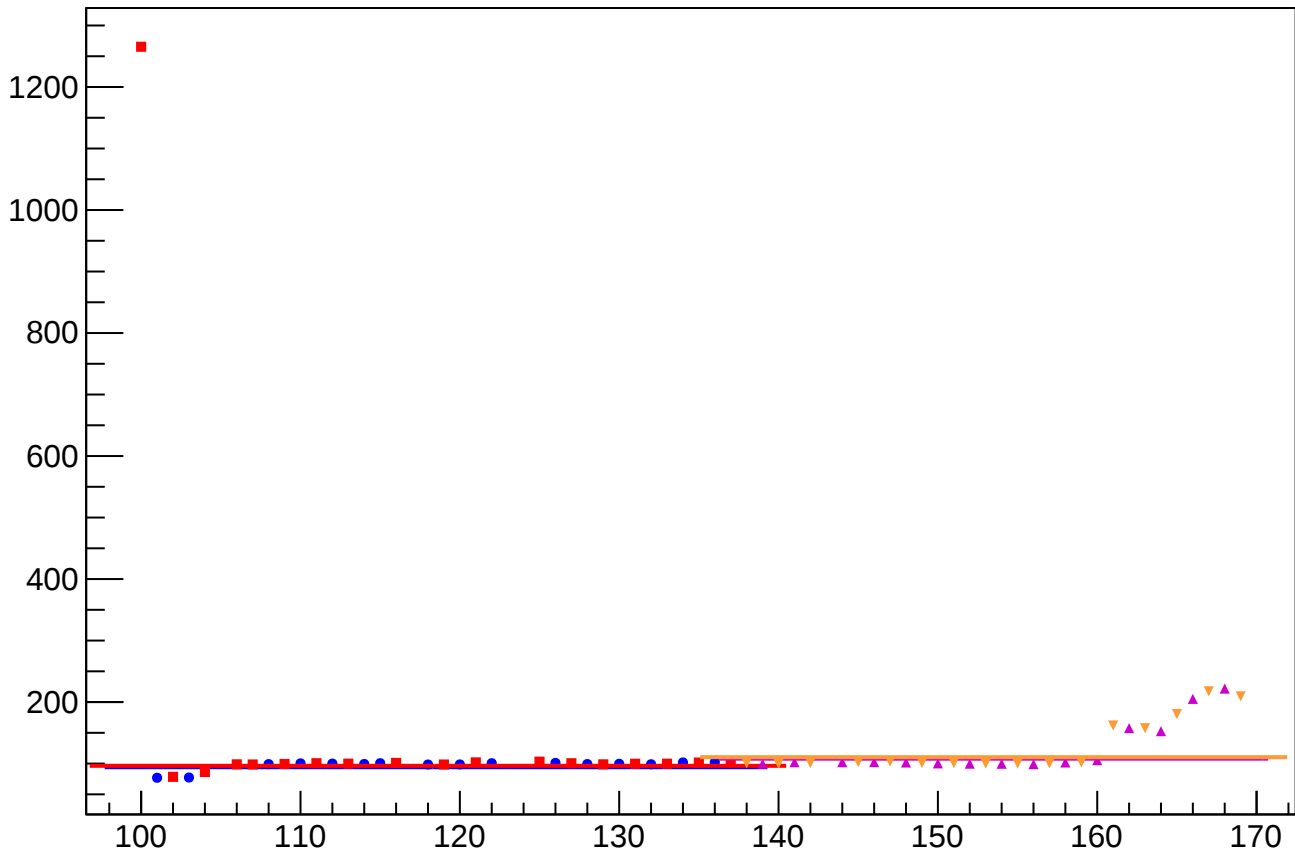
Left In: -48.941 ± 32.266 χ^2/NDF : 23.0/14

+ sign 28.112 ± 24.432 χ^2/NDF : 37.2/31

All: -0.082 ± 17.205 χ^2/NDF : 77.8/64

- sign -27.815 ± 24.232 χ^2/NDF : 37.9/32

reg_asym_dsl_rms vs Slug



Right In: 94.068+/-0.026 χ^2/NDF : 152285.6/15

Left Out: 110.410+/-0.023 χ^2/NDF : 135117.8/15

Right Out: 96.372+/-0.026 χ^2/NDF : 209228.5/17

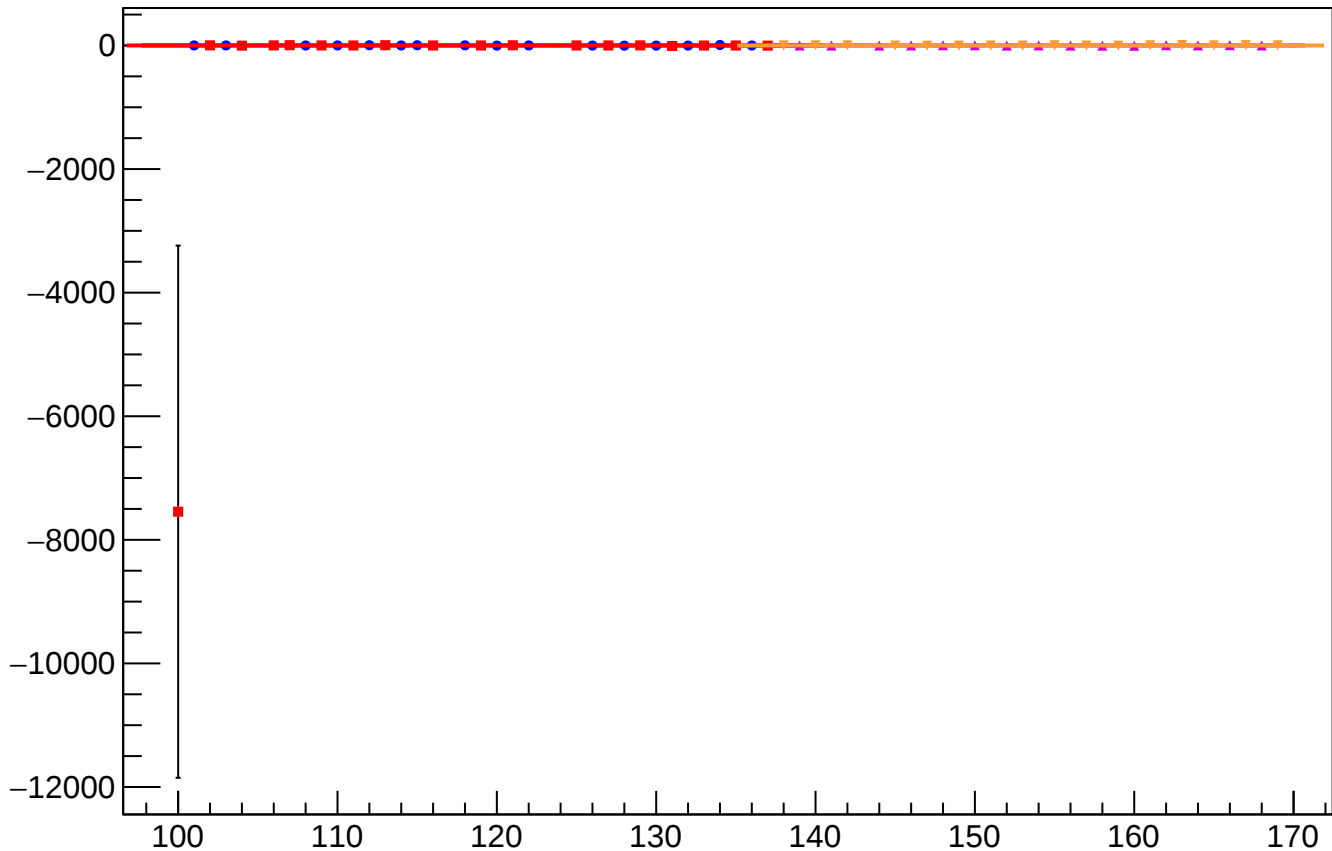
Left In: 107.978+/-0.023 χ^2/NDF : 1021450.0/14

+ sign 103.173+/-0.017 χ^2/NDF : 1724180.2/31

All: 103.044+/-0.012 χ^2/NDF : 3067780.4/64

- sign 102.918+/-0.017 χ^2/NDF : 1343490.1/32

asym_dsl_correction_mean vs Slug



Right In: 0.426 $\pm$ 0.616 χ^2 /NDF: 9.7/15

Left Out: -0.304 $\pm$ 0.573 χ^2 /NDF: 20.5/15

Right Out: 0.313 $\pm$ 0.643 χ^2 /NDF: 22.8/17

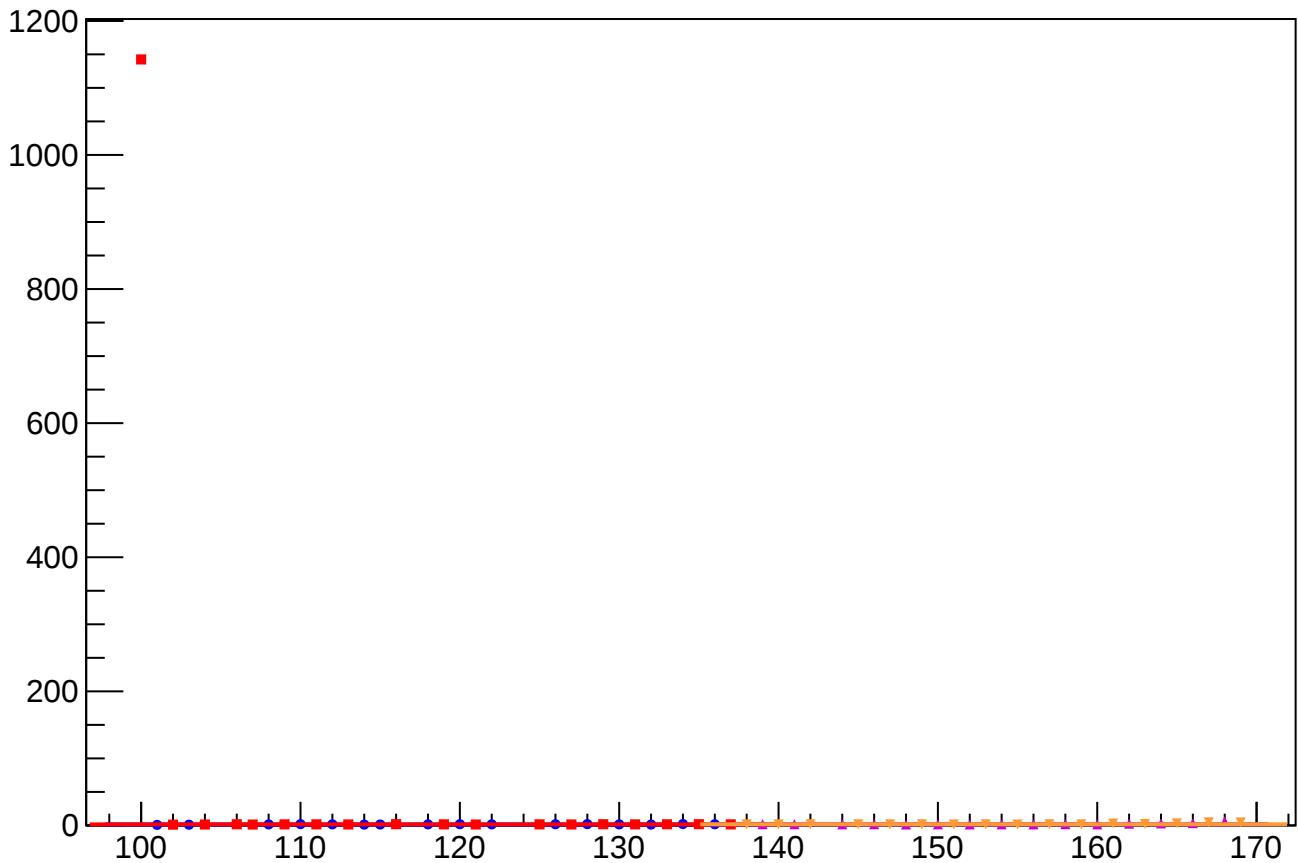
Left In: 0.094 $\pm$ 0.590 χ^2 /NDF: 20.9/14

+ sign 0.035 $\pm$ 0.419 χ^2 /NDF: 31.0/31

All: 0.111 $\pm$ 0.302 χ^2 /NDF: 74.9/64

- sign 0.194 $\pm$ 0.435 χ^2 /NDF: 43.8/32

asym_dsl_correction_rms vs Slug



Right In: 1.420 $\pm$ 0.000 χ^2 /NDF: 730935.2/15

Left Out: 1.732 $\pm$ 0.000 χ^2 /NDF:1462277.5/15

Right Out: 1.556 $\pm$ 0.000 χ^2 /NDF: 315908.9/17

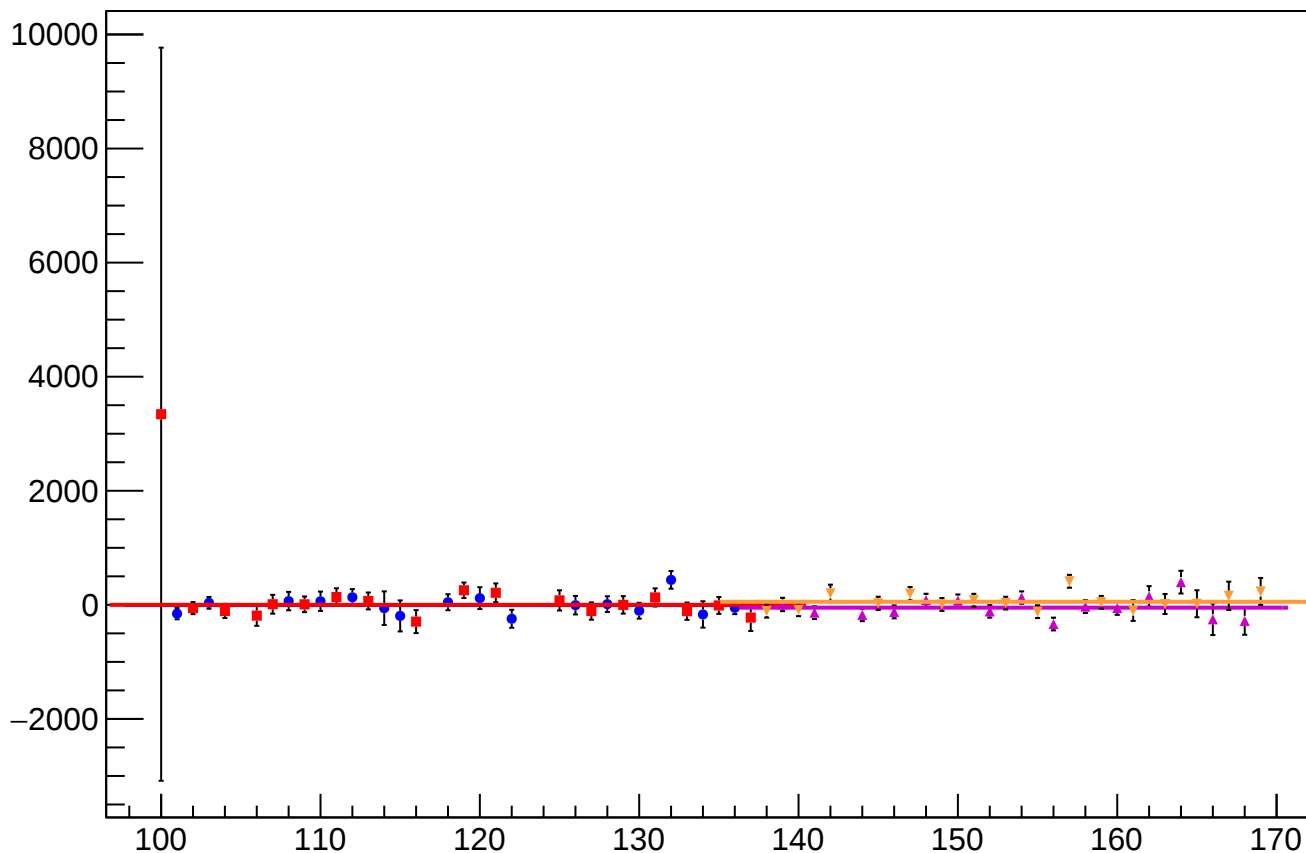
Left In: 1.809 $\pm$ 0.000 χ^2 /NDF:1370659.0/14

+ sign 1.587 $\pm$ 0.000 χ^2 /NDF: 2469155.5/31

All: 1.638 $\pm$ 0.000 χ^2 /NDF: 4385506.1/64

- sign 1.693 $\pm$ 0.000 χ^2 /NDF: 1854848.8/32

asym_dsl_mean vs Slug



Right In: -3.099 ± 36.723 χ^2/NDF : 16.3/15

Left Out: 53.624 ± 32.742 χ^2/NDF : 20.1/15

Right Out: -0.172 ± 36.709 χ^2/NDF : 13.5/17

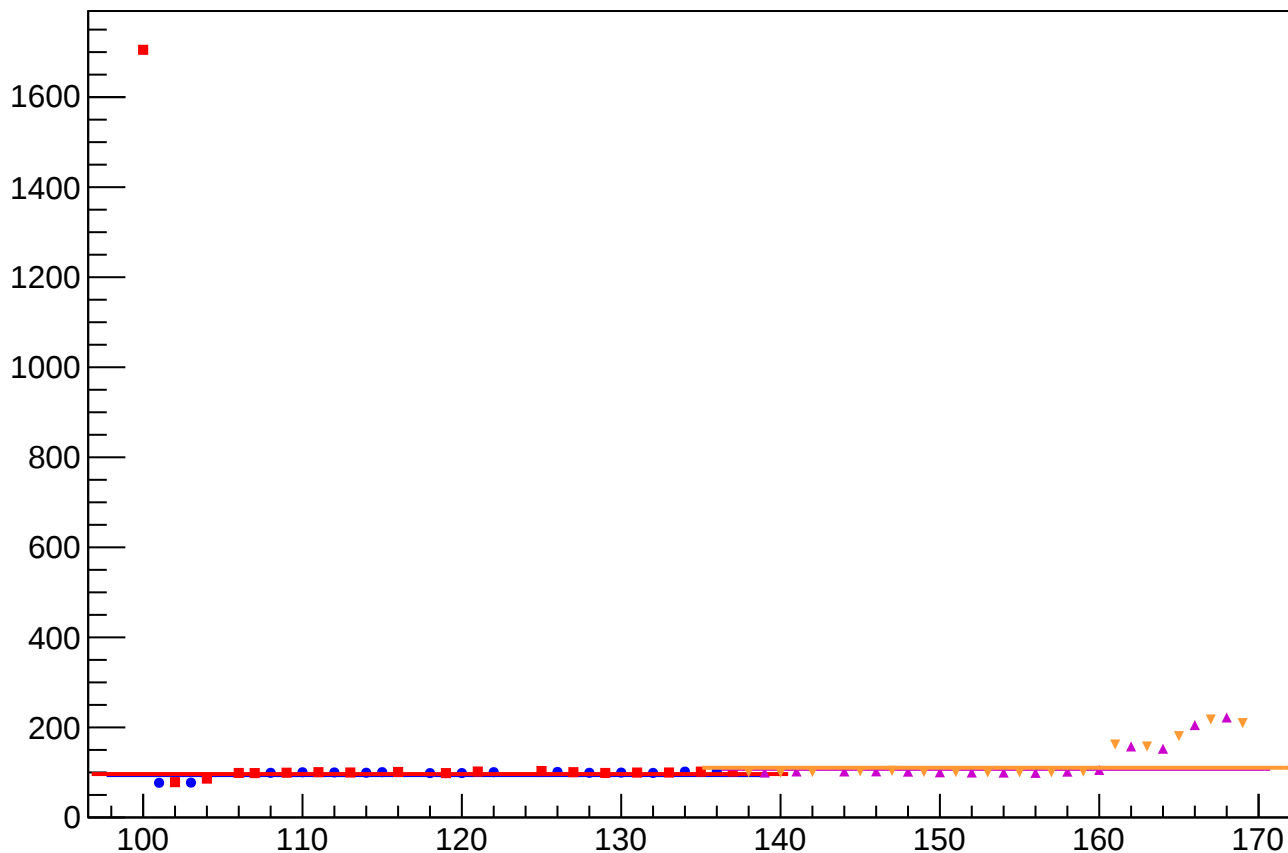
Left In: -48.887 ± 32.276 χ^2/NDF : 22.5/14

+ sign 28.503 ± 24.439 χ^2/NDF : 37.8/31

All: 0.197 ± 17.210 χ^2/NDF : 77.5/64

- sign -27.647 ± 24.239 χ^2/NDF : 37.0/32

asym_dsl_rms vs Slug



Right In: 94.093+/-0.026 χ^2/NDF : 152305.3/15

Left Out: 110.440+/-0.023 χ^2/NDF : 1352452.3/15

Right Out: 96.381+/-0.026 χ^2/NDF : 214362.3/17

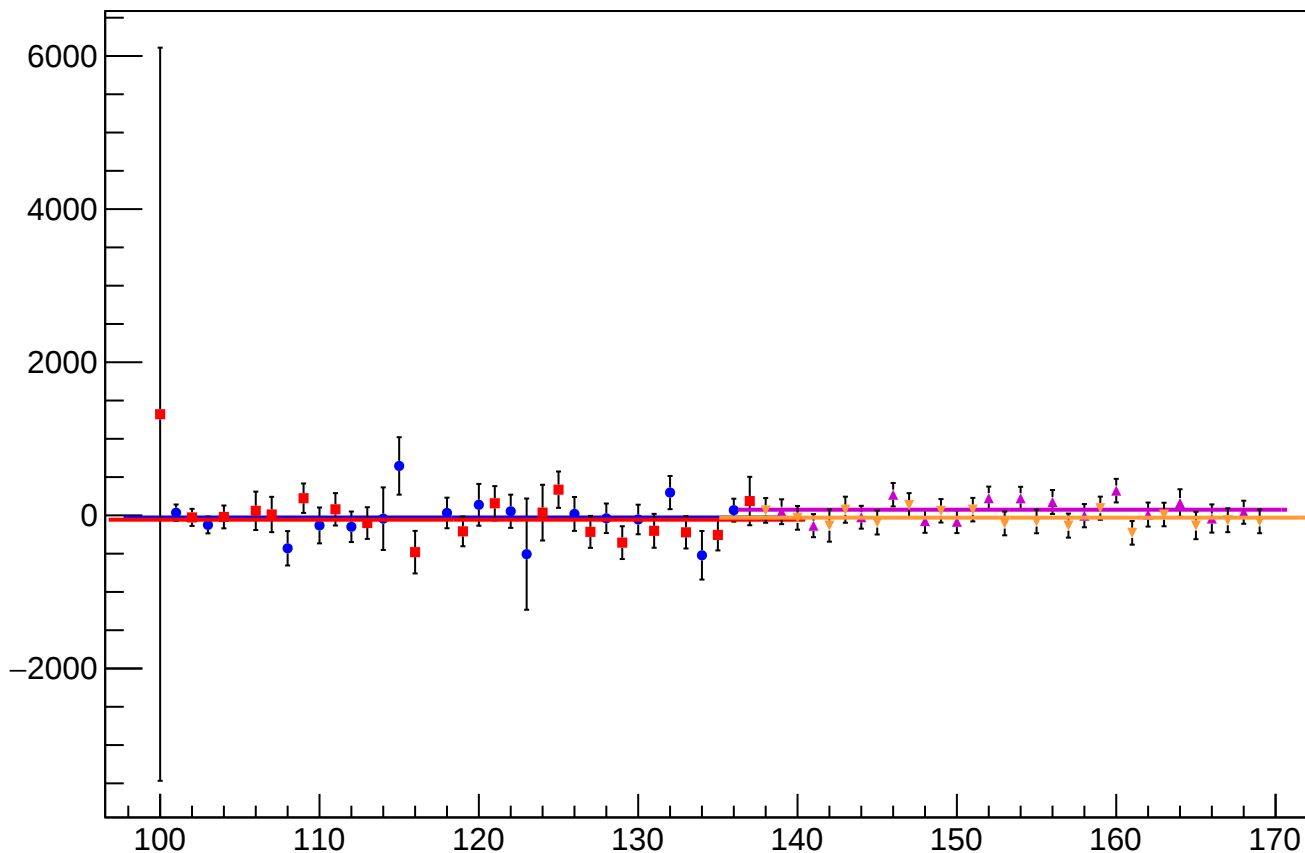
Left In: 108.007+/-0.023 χ^2/NDF : 1022177.0/14

+ sign 103.200+/-0.017 χ^2/NDF : 1725558.4/31

All: 103.068+/-0.012 χ^2/NDF : 3075365.3/64

- sign 102.938+/-0.017 χ^2/NDF : 1349691.1/32

reg_asym_dsr_mean vs Slug



Right In: -27.840 ± 46.777 χ^2/NDF : 14.3/16

Left Out: -29.798 ± 38.623 χ^2/NDF : 6.7/16

Right Out: -56.398 ± 47.708 χ^2/NDF : 14.9/18

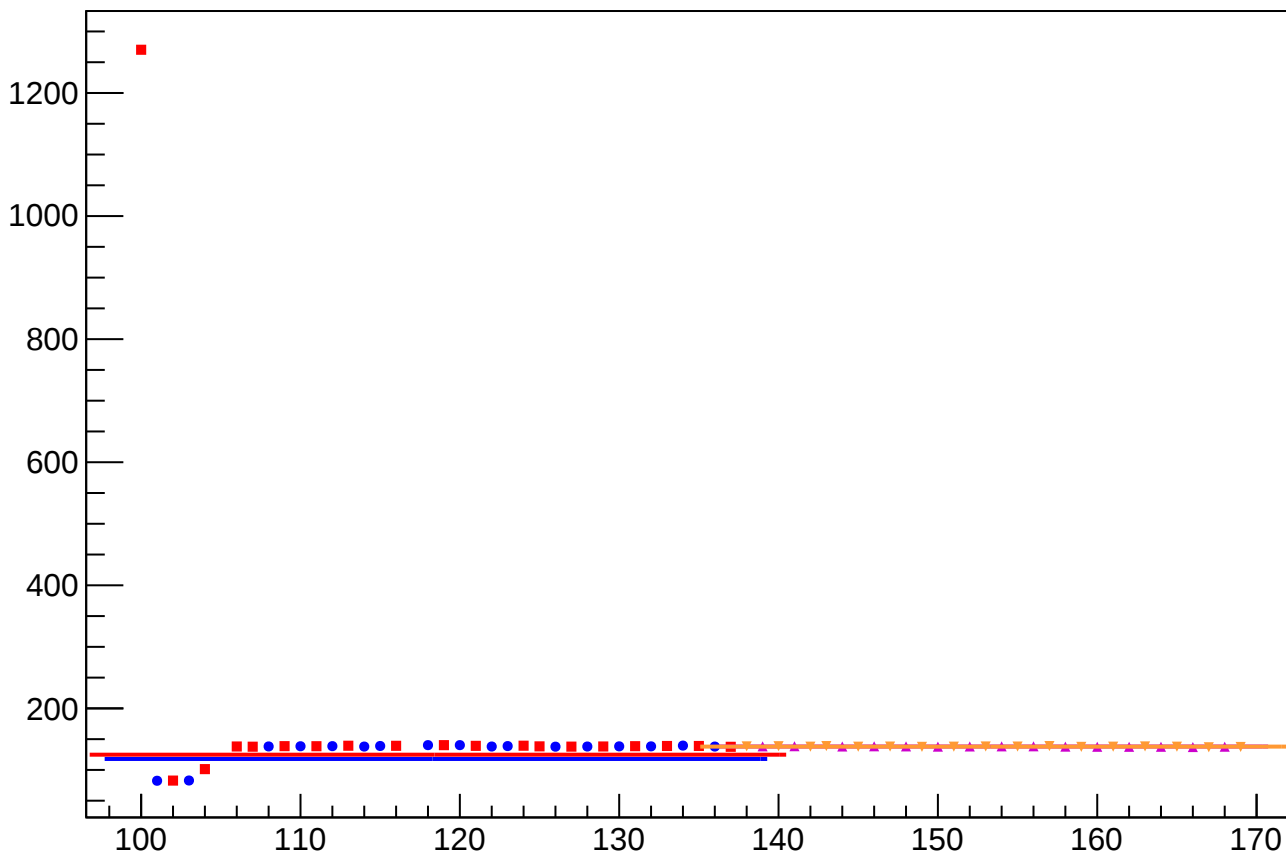
Left In: 73.878 ± 40.276 χ^2/NDF : 12.2/14

+ sign -29.004 ± 29.782 χ^2/NDF : 21.0/33

All: -5.467 ± 21.402 χ^2/NDF : 53.7/67

- sign 19.667 ± 30.776 χ^2/NDF : 31.4/33

reg_asym_dsr_rms vs Slug



Right In: 117.815 $\pm$ 0.033 χ^2 /NDF: 666581.7/16

Left Out: 137.899 $\pm$ 0.027 χ^2 /NDF:321.6/16

Right Out: 124.763 $\pm$ 0.034 χ^2 /NDF: 569771.6/18

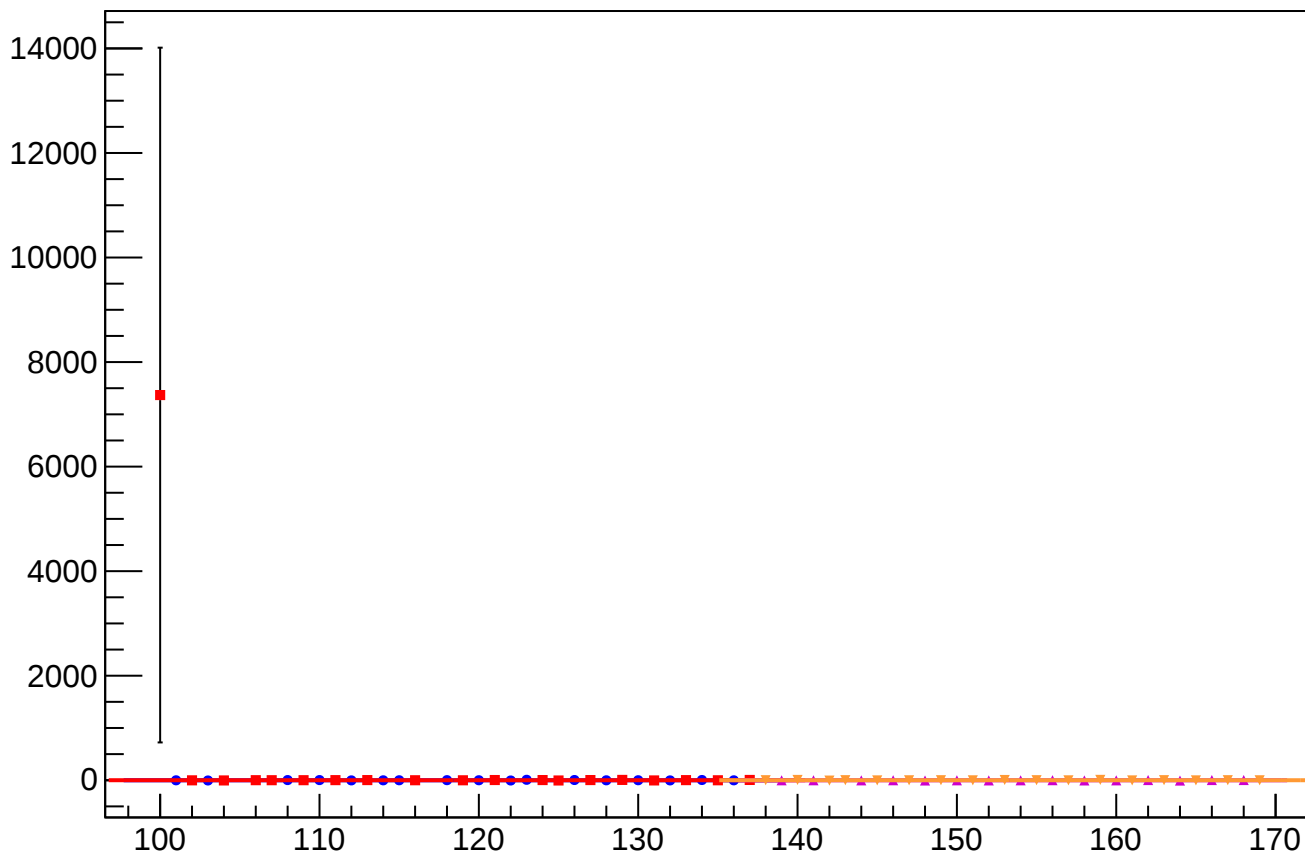
Left In: 138.032 $\pm$ 0.028 χ^2 /NDF:156.6/14

+ sign 129.757 $\pm$ 0.021 χ^2 /NDF: 886140.7/33

All: 131.089 $\pm$ 0.015 χ^2 /NDF: 1554666.9/67

- sign 132.511 $\pm$ 0.022 χ^2 /NDF: 660258.7/33

asym_dsr_correction_mean vs Slug



Right In: -0.695 ± 0.810 χ^2/NDF : 12.7/16

Left Out: 0.409 ± 0.669 χ^2/NDF : 20.6/16

Right Out: 0.649 ± 0.851 χ^2/NDF : 13.7/18

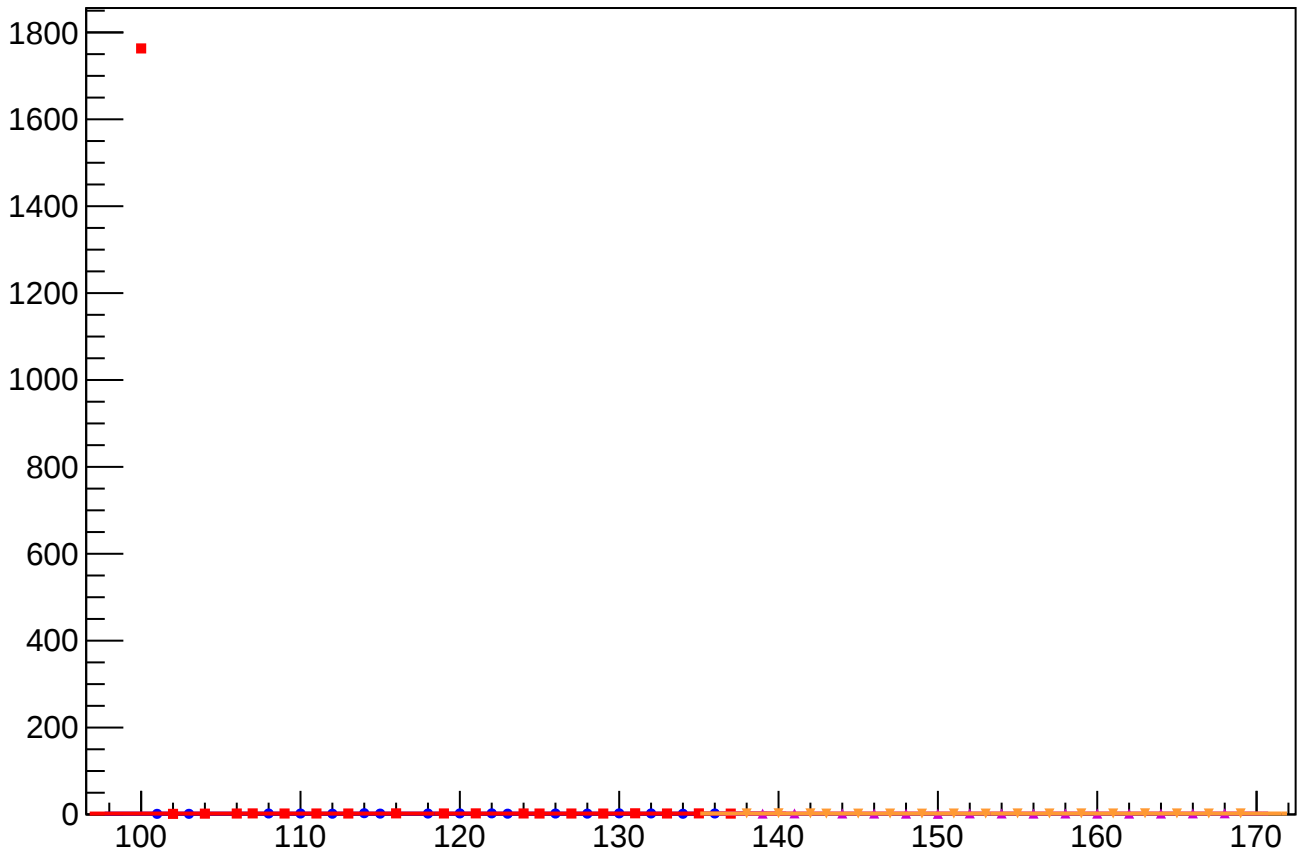
Left In: -0.728 ± 0.692 χ^2/NDF : 15.4/14

+ sign -0.038 ± 0.516 χ^2/NDF : 34.3/33

All: -0.106 ± 0.372 χ^2/NDF : 65.0/67

- sign -0.180 ± 0.537 χ^2/NDF : 30.6/33

asym_dsr_correction_rms vs Slug



Right In: 1.869 $\pm$ 0.001 χ^2 /NDF: 493173.6/16

Left Out: 2.192 $\pm$ 0.000 χ^2 /NDF:224867.5/16

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 525497.0/18

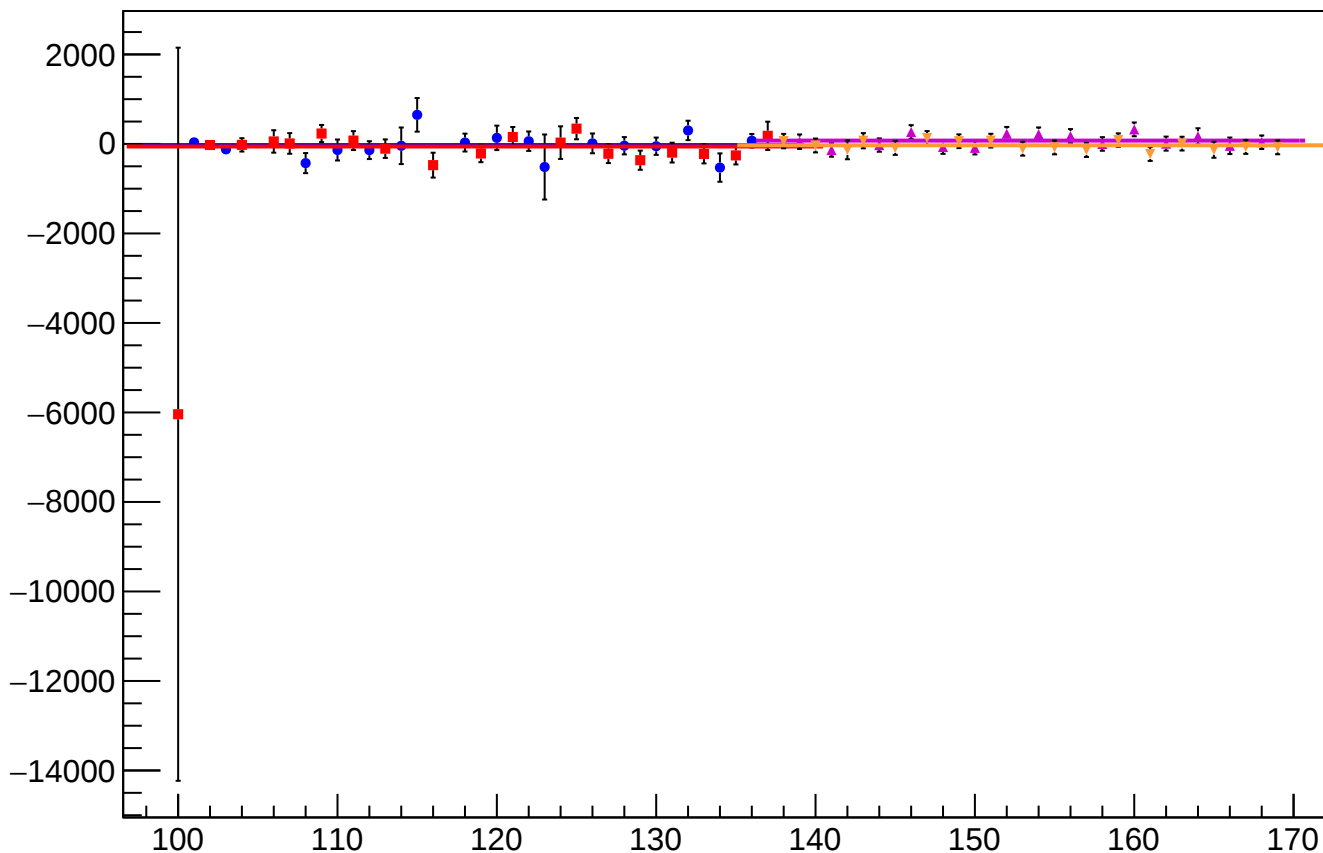
Left In: 2.131 $\pm$ 0.000 χ^2 /NDF:365955.2/14

+ sign 2.061 $\pm$ 0.000 χ^2 /NDF: 907386.4/33

All: 2.082 $\pm$ 0.000 χ^2 /NDF: 1812800.6/67

- sign 2.105 $\pm$ 0.000 χ^2 /NDF: 898638.7/33

asym_dsr_mean vs Slug



Right In: -26.258 $\pm$ 46.789 χ^2 /NDF: 14.4/16

Left Out: -30.741 $\pm$ 38.633 χ^2 /NDF: 6.4/16

Right Out: -57.268 $\pm$ 47.722 χ^2 /NDF: 15.5/18

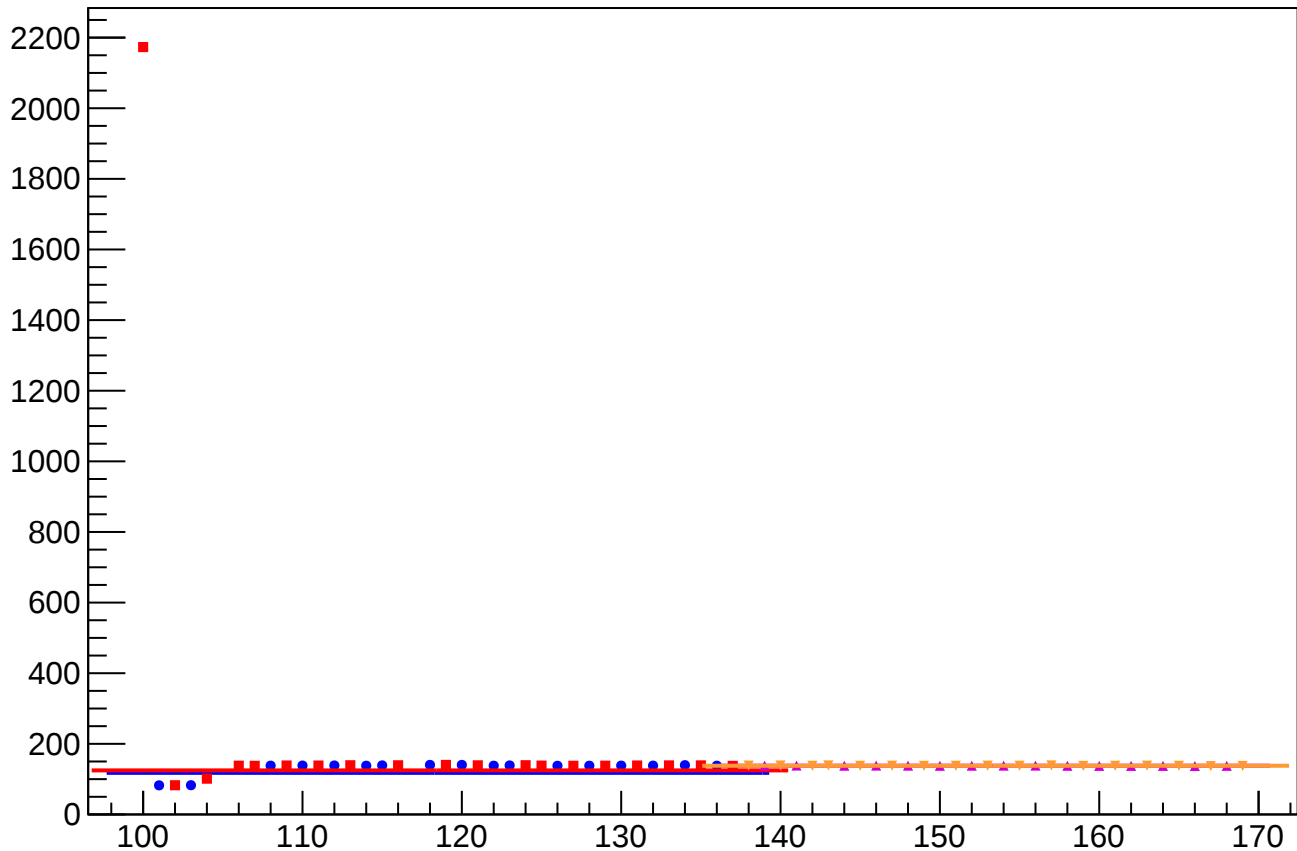
Left In: 74.328 $\pm$ 40.287 χ^2 /NDF: 12.2/14

+ sign -28.924 $\pm$ 29.790 χ^2 /NDF: 20.8/33

All: -5.473 $\pm$ 21.408 χ^2 /NDF: 54.2/67

- sign 19.569 $\pm$ 30.784 χ^2 /NDF: 32.2/33

asym_dsr_rms vs Slug



Right In: 117.847 $\pm$ 0.033 χ^2 /NDF: 666622.8/16

Left Out: 137.935 $\pm$ 0.027 χ^2 /NDF: 321.1/16

Right Out: 124.752 $\pm$ 0.034 χ^2 /NDF: 580350.4/18

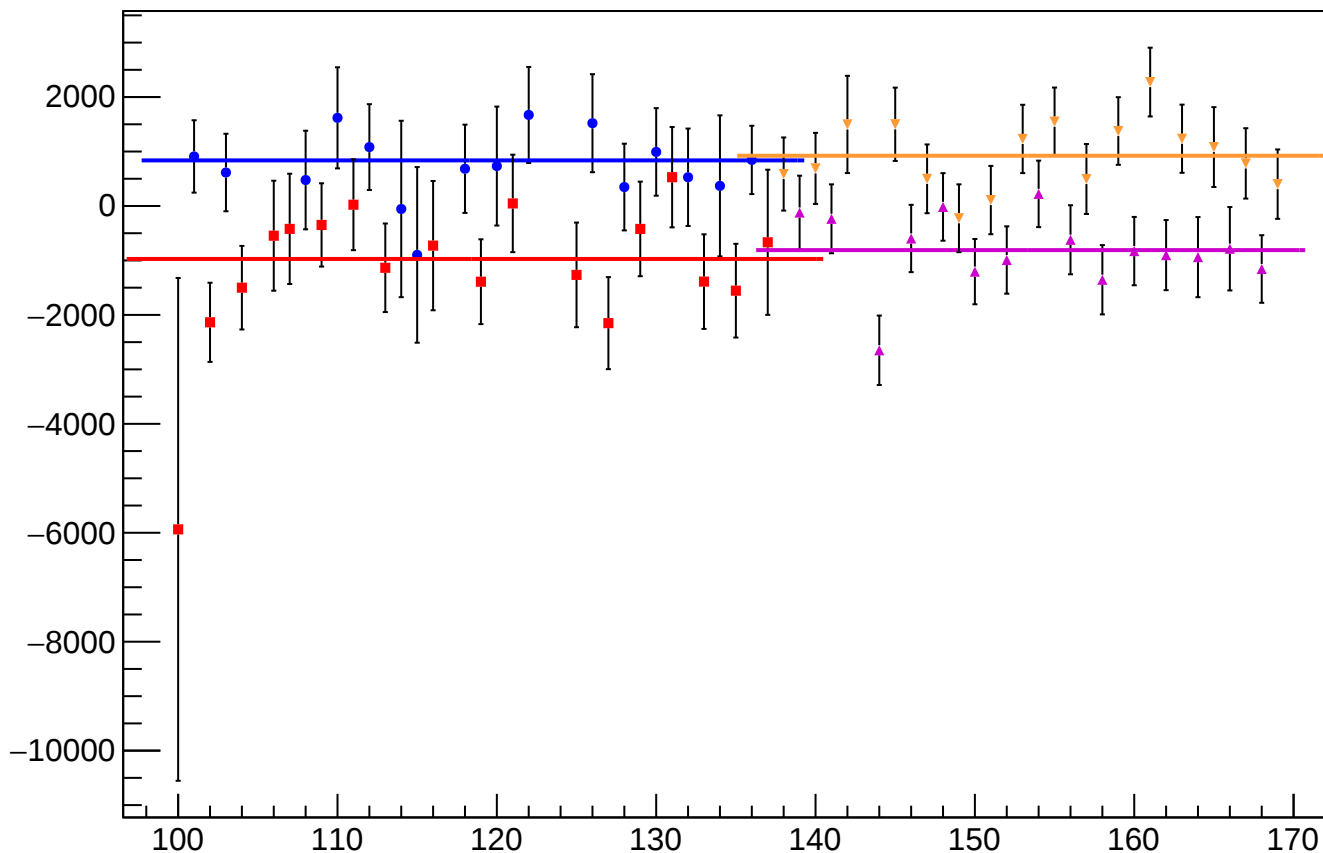
Left In: 138.071 $\pm$ 0.028 χ^2 /NDF: 154.9/14

+ sign 129.792 $\pm$ 0.021 χ^2 /NDF: 886162.0/33

All: 131.115 $\pm$ 0.015 χ^2 /NDF: 1565778.0/67

- sign 132.529 $\pm$ 0.022 χ^2 /NDF: 671453.3/33

reg_asym_left_avg_mean vs Slug



Right In: 837.048 $\pm$ 216.181 χ^2 /NDF: 4.7/15

Left Out: 922.592 $\pm$ 163.183 χ^2 /NDF: 14.9/15

Right Out: -972.425 $\pm$ 212.746 χ^2 /NDF: 14.3/17

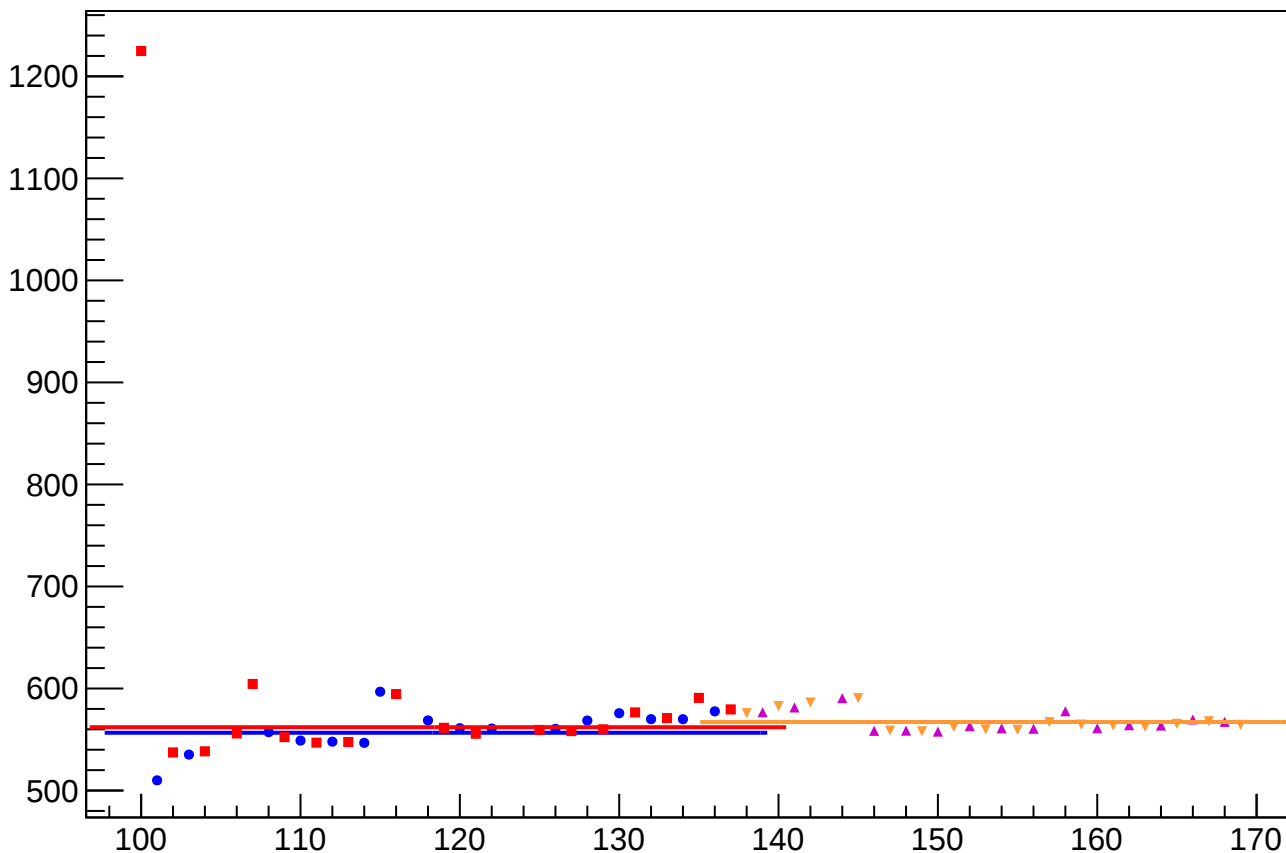
Left In: -810.215 $\pm$ 165.515 χ^2 /NDF: 16.5/14

+ sign 891.542 $\pm$ 130.243 χ^2 /NDF: 19.7/31

All: 12.737 $\pm$ 92.234 χ^2 /NDF: 142.2/64

- sign -871.377 $\pm$ 130.636 χ^2 /NDF: 31.1/32

reg_asym_left_avg_rms vs Slug



Right In: 556.637 $\pm$ 0.153 χ^2 /NDF: 18391.7/15

Left Out: 567.149 $\pm$ 0.115 χ^2 /NDF: 6526.6/15

Right Out: 562.048 $\pm$ 0.150 χ^2 /NDF: 55575.3/17

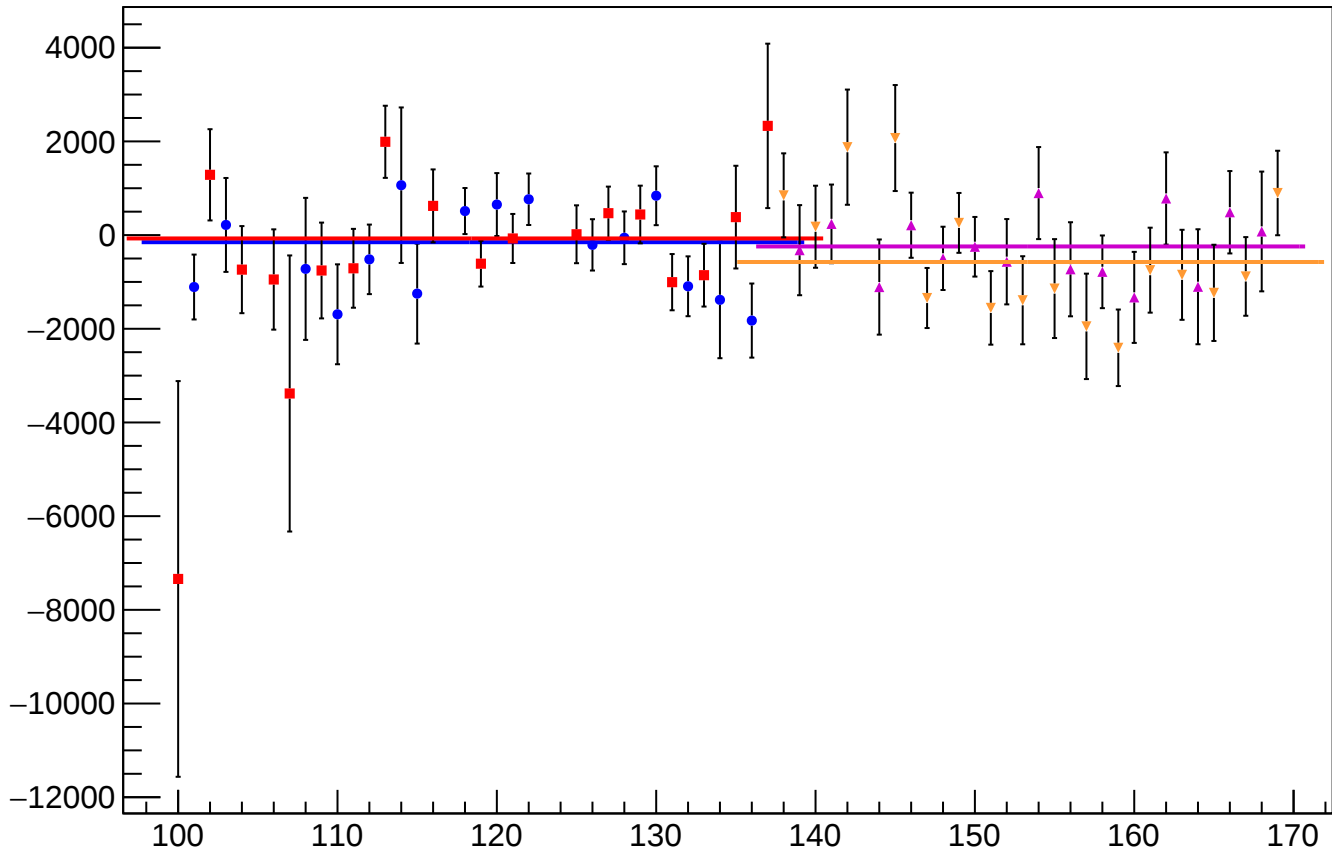
Left In: 567.194 $\pm$ 0.117 χ^2 /NDF: 6729.7/14

+ sign 563.333 $\pm$ 0.092 χ^2 /NDF: 27930.6/31

All: 564.291 $\pm$ 0.065 χ^2 /NDF: 91181.4/64

- sign 565.254 $\pm$ 0.092 χ^2 /NDF: 63034.1/32

asym_left_avg_correction_mean vs Slug



Right In: -151.876 ± 180.078 χ^2/NDF : 22.3/15

Left Out: -574.419 ± 219.767 χ^2/NDF : 28.3/15

Right Out: -71.760 ± 178.665 χ^2/NDF : 25.0/17

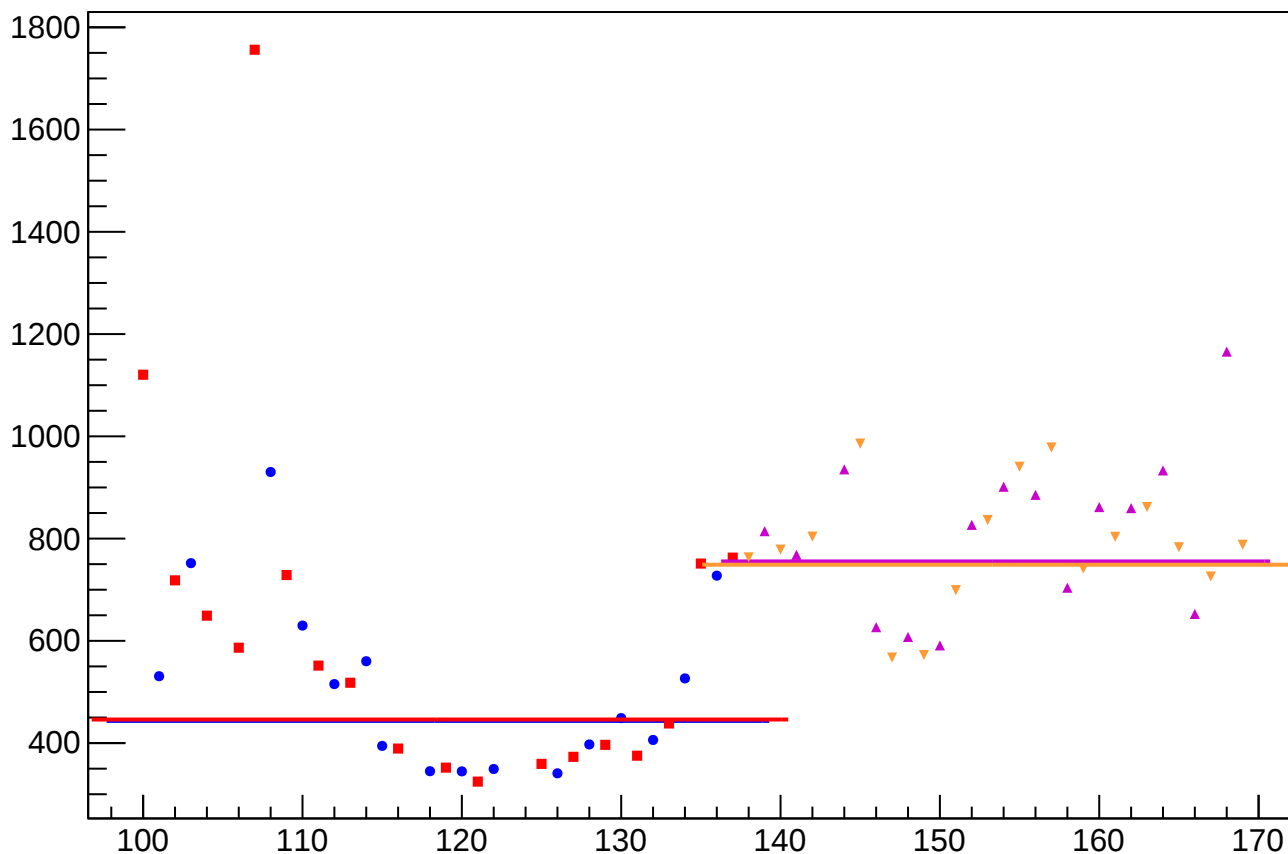
Left In: -242.591 ± 224.997 χ^2/NDF : 7.4/14

+ sign -321.615 ± 139.289 χ^2/NDF : 52.8/31

All: -230.133 ± 98.714 χ^2/NDF : 86.4/64

- sign -137.823 ± 139.917 χ^2/NDF : 32.8/32

asym_left_avg_correction_rms vs Slug



Right In: 443.451+/-0.127 χ^2/NDF : 1060940.9/15

Left Out: 748.909+/-0.155 χ^2/NDF : 624298.1/15

Right Out: 446.147+/-0.126 χ^2/NDF : 1459986.4/17

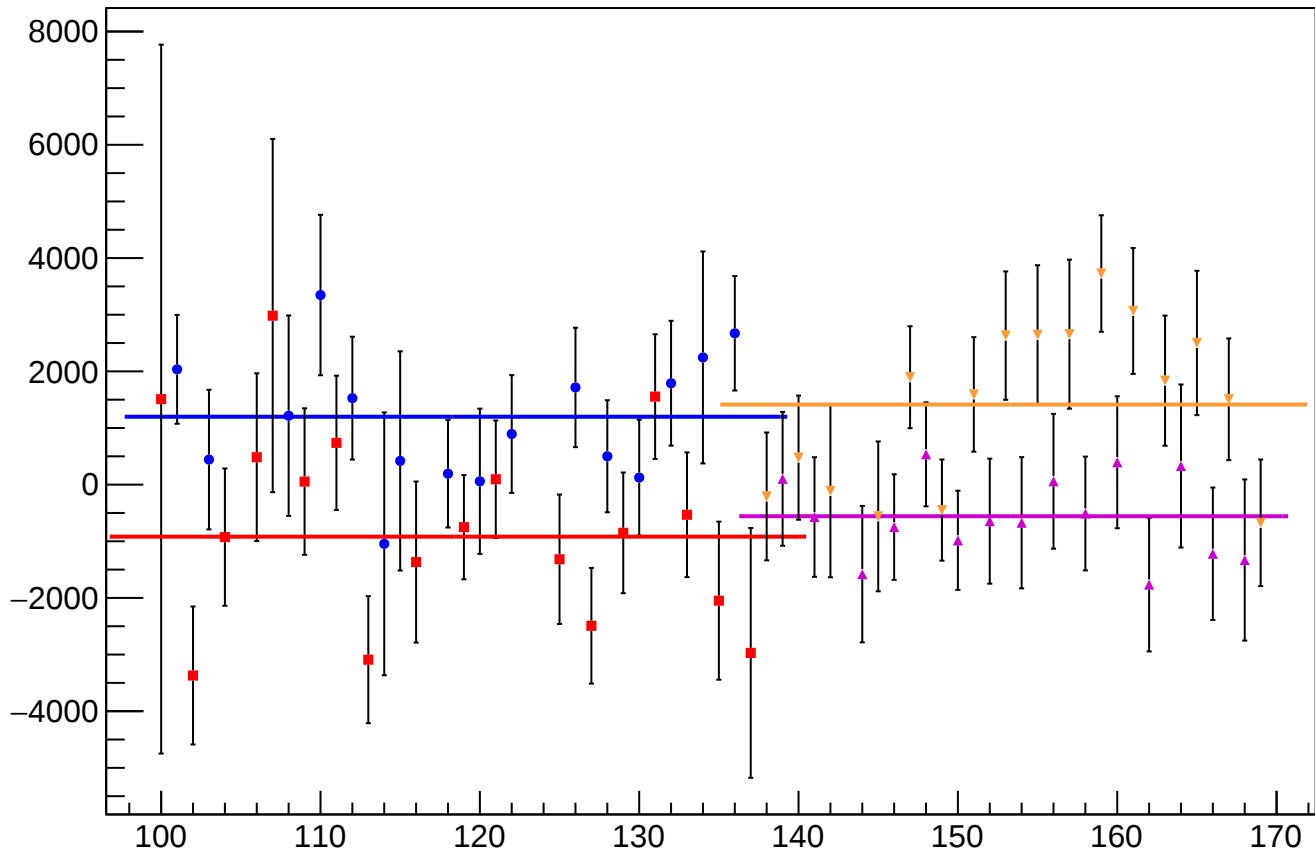
Left In: 755.317+/-0.159 χ^2/NDF : 789253.9/14

+ sign 566.156+/-0.098 χ^2/NDF : 3996900.1/31

All: 565.933+/-0.070 χ^2/NDF : 8562139.1/64

- sign 565.708+/-0.099 χ^2/NDF : 4565228.7/32

asym_left_avg_mean vs Slug



Right In: 1198.972 ± 295.243 χ^2/NDF : 11.2/15

Left Out: 1413.634 ± 278.454 χ^2/NDF : 25.4/15

Right Out: -918.412 ± 293.294 χ^2/NDF : 23.2/17

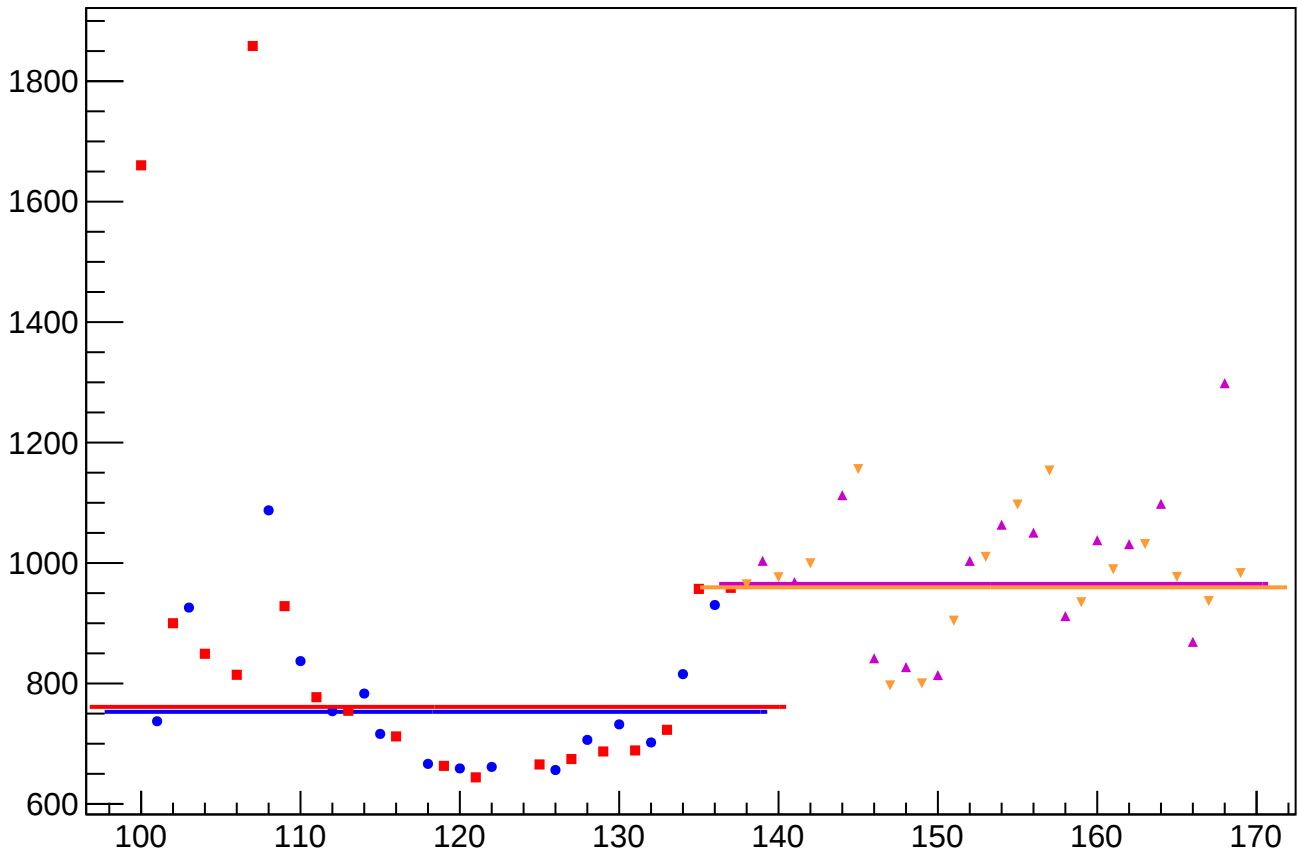
Left In: -557.872 ± 284.316 χ^2/NDF : 5.7/14

+ sign 1312.579 ± 202.572 χ^2/NDF : 36.8/31

All: 297.914 ± 143.792 χ^2/NDF : 117.1/64

- sign -732.540 ± 204.142 χ^2/NDF : 29.7/32

asym_left_avg_rms vs Slug



Right In: 752.937 $\pm$ 0.209 χ^2 /NDF: 252526.4/15

Left Out: 959.586 $\pm$ 0.197 χ^2 /NDF: 266120.1/15

Right Out: 761.160 $\pm$ 0.207 χ^2 /NDF: 517136.7/17

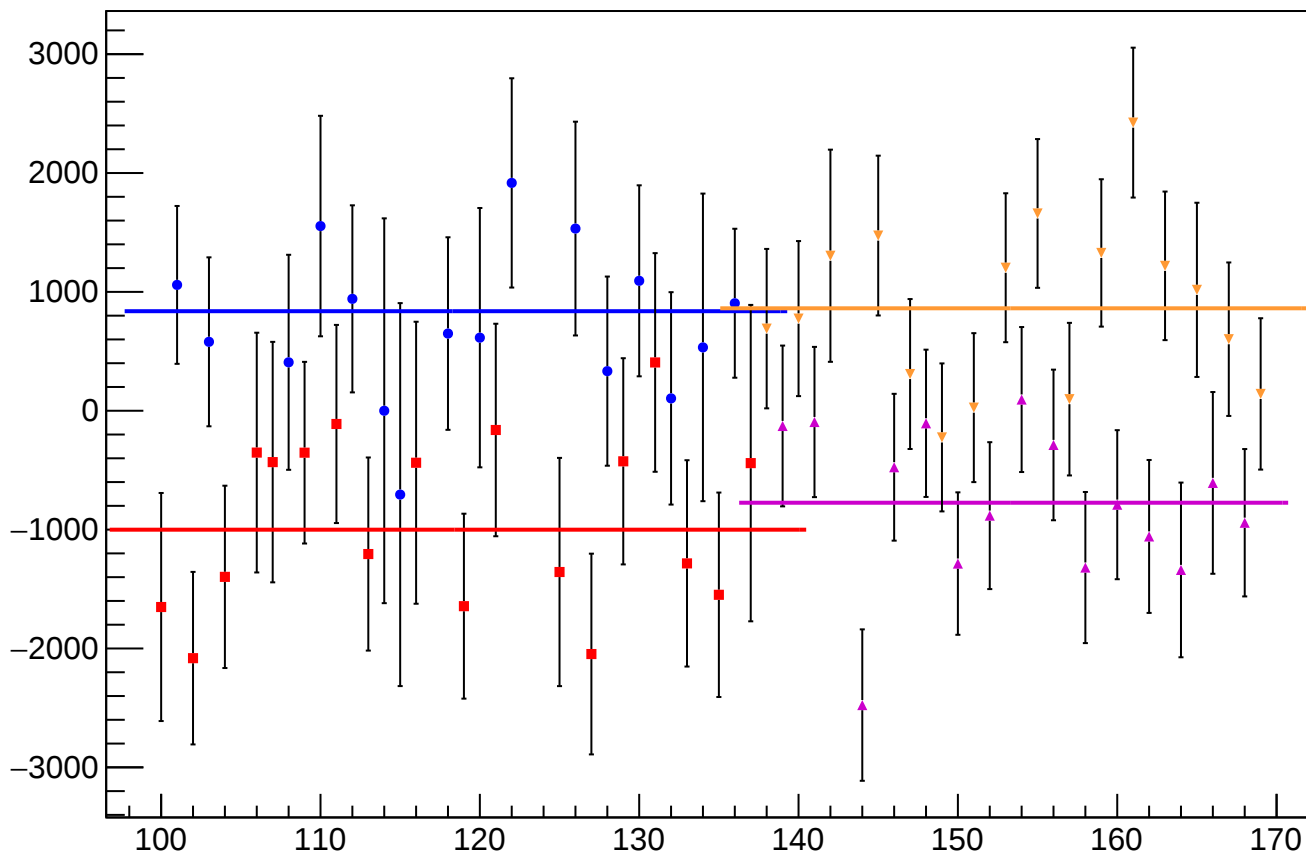
Left In: 965.329 $\pm$ 0.201 χ^2 /NDF: 359146.6/14

+ sign 862.304 $\pm$ 0.143 χ^2 /NDF: 1037194.6/31

All: 864.345 $\pm$ 0.102 χ^2 /NDF: 2413532.6/64

- sign 866.417 $\pm$ 0.144 χ^2 /NDF: 1375928.8/32

reg_asym_left_dd_mean vs Slug



Right In: 837.557 ± 216.015 χ^2/NDF : 5.7/15

Left Out: 861.941 ± 163.045 χ^2/NDF : 18.6/15

Right Out: -1000.617 ± 207.748 χ^2/NDF : 12.5/17

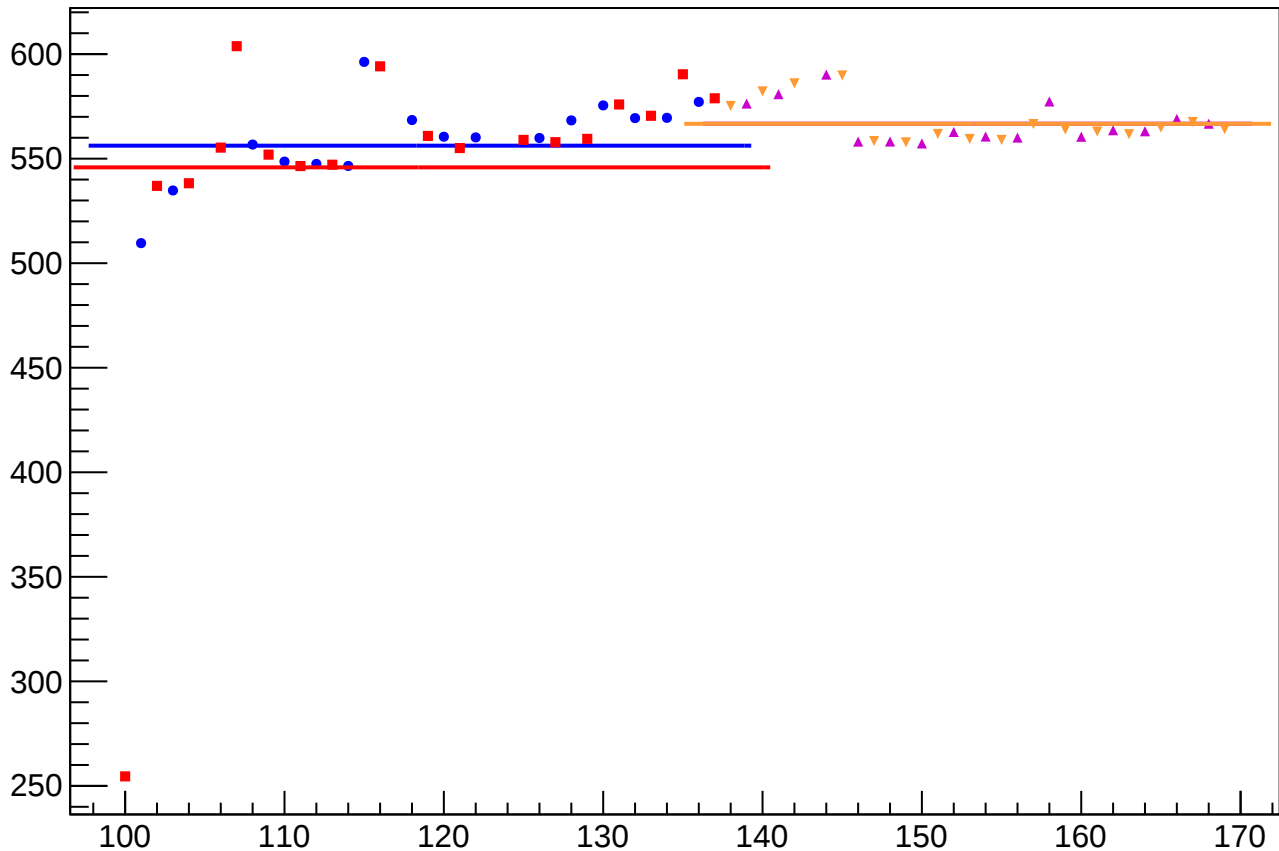
Left In: -773.826 ± 165.379 χ^2/NDF : 15.6/14

+ sign 853.091 ± 130.136 χ^2/NDF : 24.3/31

All: -9.301 ± 91.754 χ^2/NDF : 140.5/64

- sign -861.797 ± 129.388 χ^2/NDF : 28.9/32

reg_asym_left_dd_rms vs Slug



Right In: 556.210 $\pm$ 0.153 χ^2 /NDF: 18417.4/15

Left Out: 566.668 $\pm$ 0.115 χ^2 /NDF: 6479.0/15

Right Out: 545.844 $\pm$ 0.147 χ^2 /NDF: 207640.3/17

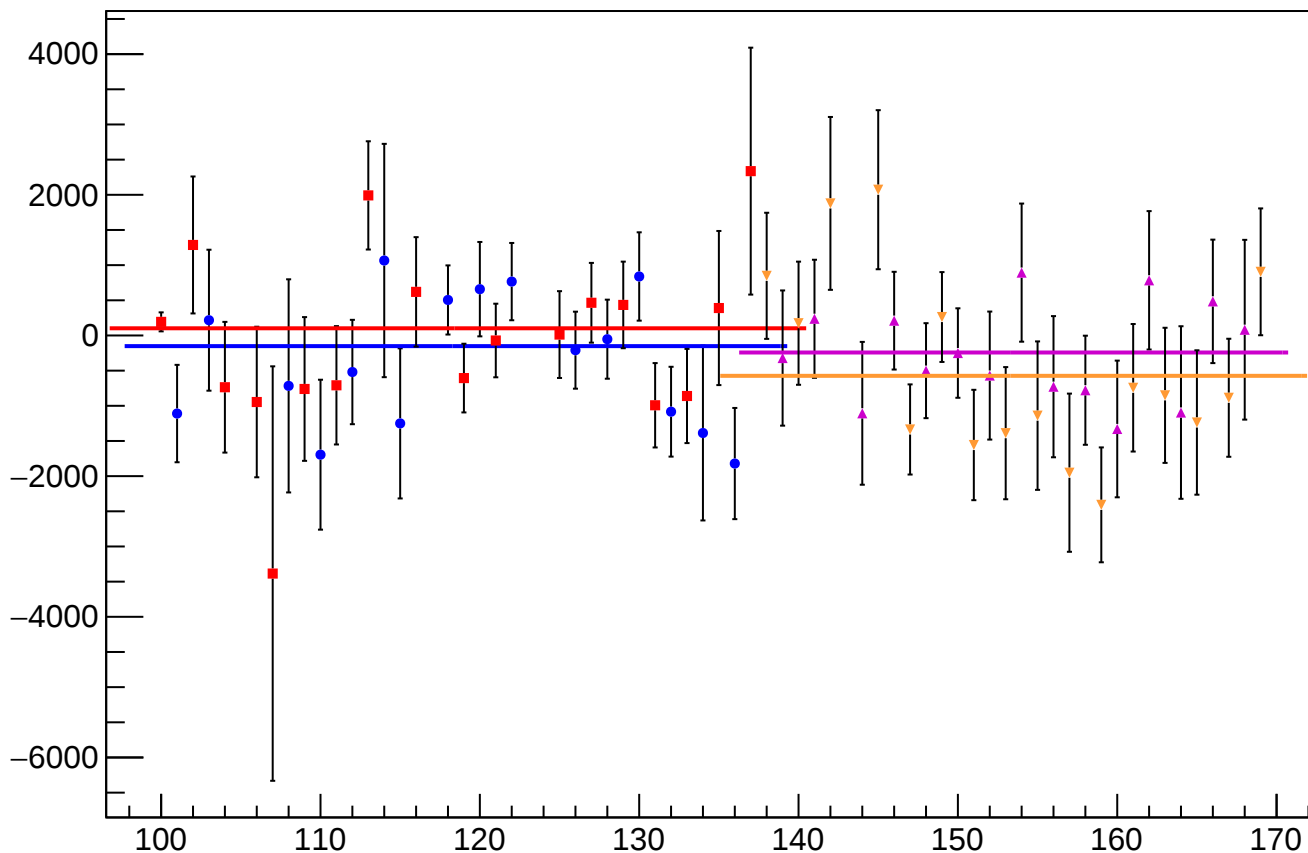
Left In: 566.728 $\pm$ 0.117 χ^2 /NDF: 6759.2/14

+ sign 562.872 $\pm$ 0.092 χ^2 /NDF: 27882.5/31

All: 560.738 $\pm$ 0.065 χ^2 /NDF: 255723.0/64

- sign 558.628 $\pm$ 0.091 χ^2 /NDF: 226770.4/32

asym_left_dd_correction_mean vs Slug



Right In: -151.459+/-179.991 χ^2/NDF : 22.3/15

Left Out: -573.775+/-219.669 χ^2/NDF : 28.4/15

Right Out: 102.079+/-107.707 χ^2/NDF : 23.2/17

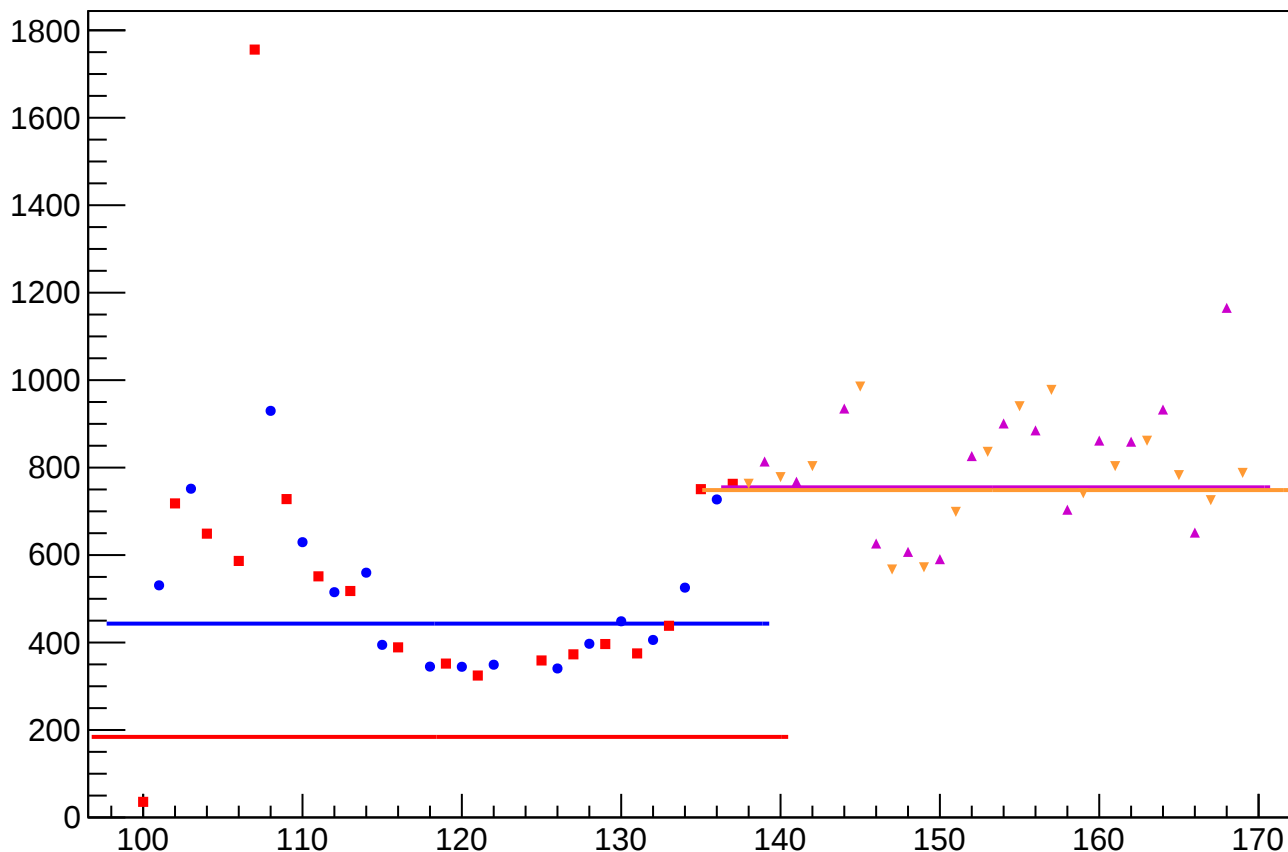
Left In: -242.128+/-224.870 χ^2/NDF : 7.4/14

+ sign -321.098+/-139.224 χ^2/NDF : 52.8/31

All: -79.678+/-79.665 χ^2/NDF : 89.8/64

- sign 37.848+/-97.139 χ^2/NDF : 32.5/32

asym_left_dd_correction_rms vs Slug



Right In: 443.240+/-0.127 χ^2/NDF : 1060784.8/15

Left Out: 748.589+/-0.155 χ^2/NDF : 624809.8/15

Right Out: 184.215+/-0.076 χ^2/NDF : 8079776.8/17

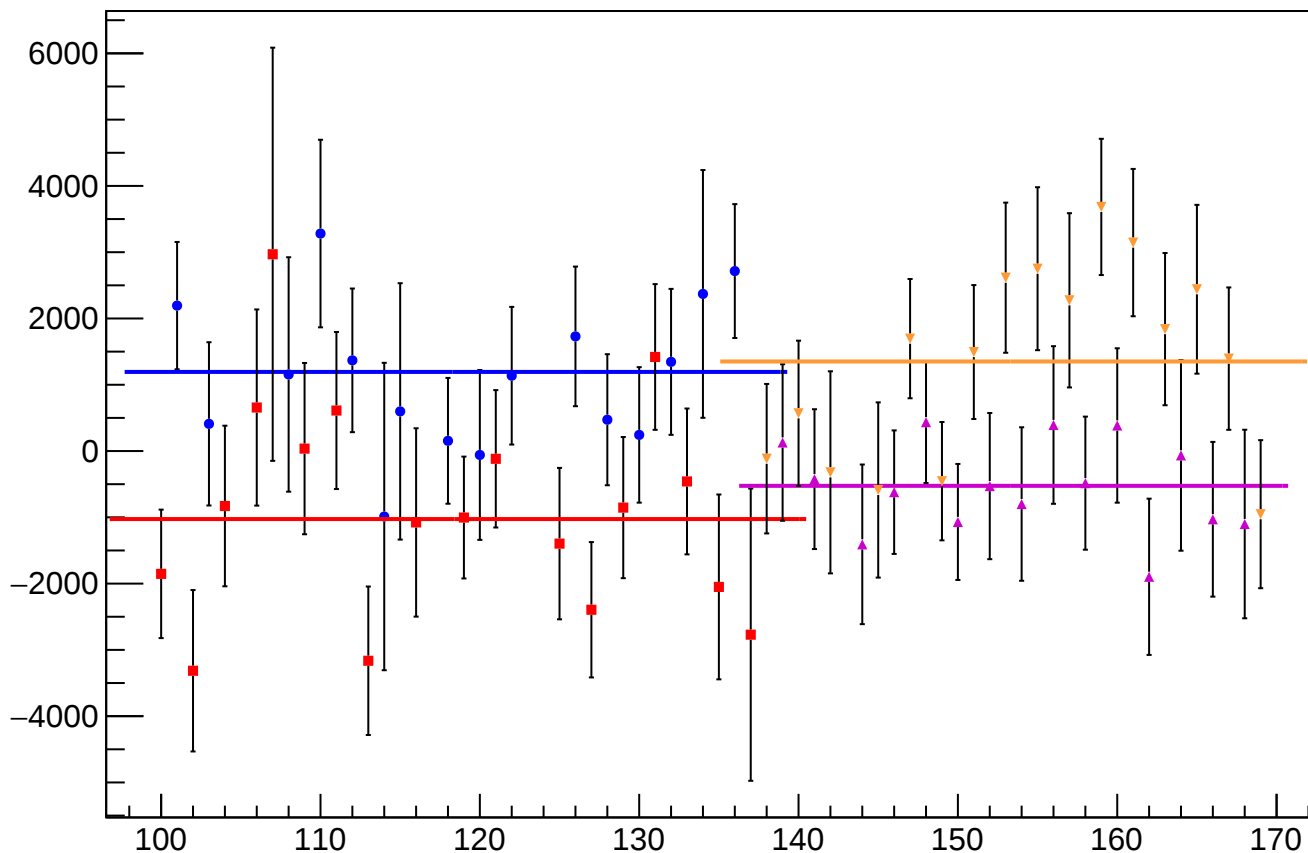
Left In: 754.878+/-0.159 χ^2/NDF : 790161.1/14

+ sign 565.895+/-0.098 χ^2/NDF : 3997716.3/31

All: 380.808+/-0.056 χ^2/NDF : 28599888.3/64

- sign 290.704+/-0.069 χ^2/NDF : 19346670.7/32

asym_left_dd_mean vs Slug



Right In: 1193.849 $\pm$ 295.046 χ^2 /NDF: 11.2/15

Left Out: 1351.414 $\pm$ 278.290 χ^2 /NDF: 25.8/15

Right Out: -1026.130 $\pm$ 280.822 χ^2 /NDF: 22.5/17

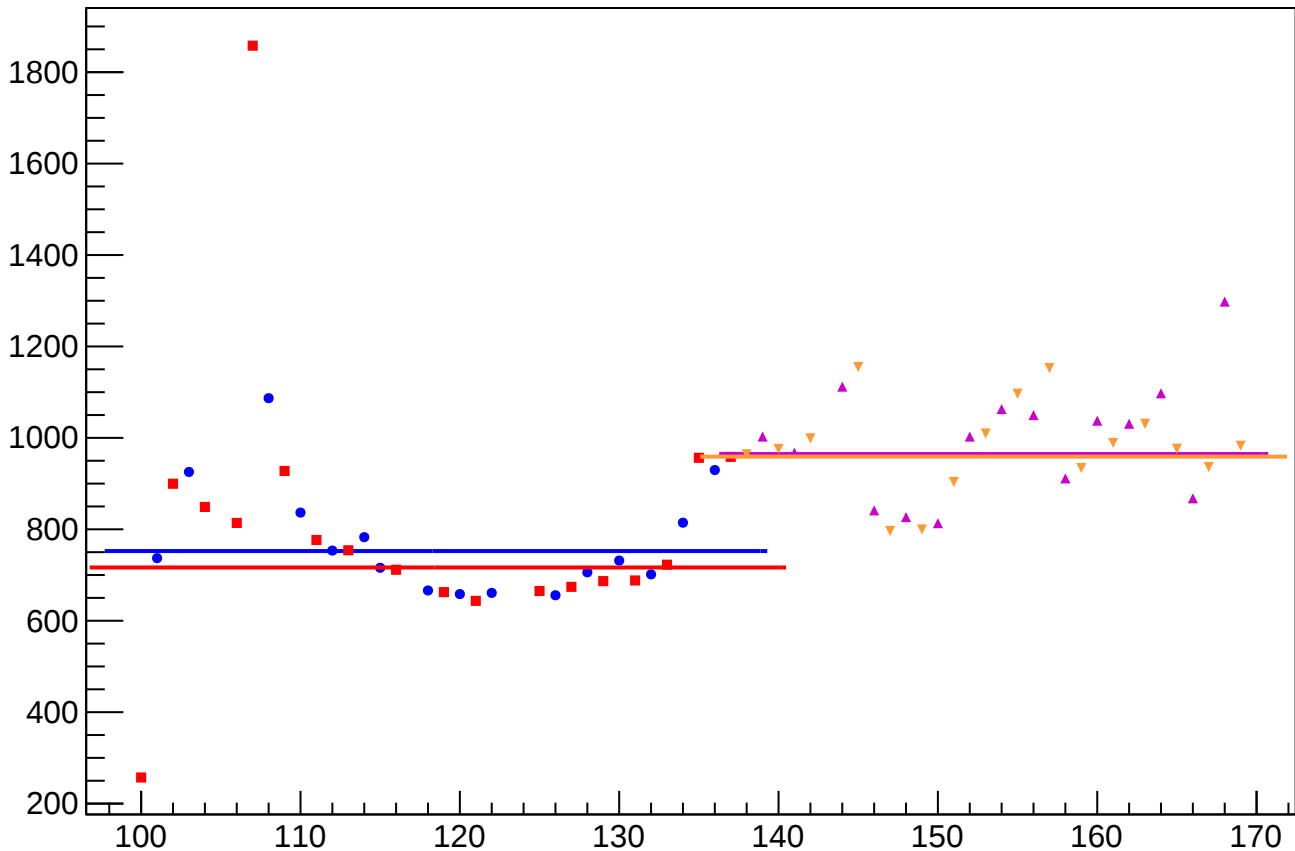
Left In: -524.793 $\pm$ 284.135 χ^2 /NDF: 5.4/14

+ sign 1277.232 $\pm$ 202.445 χ^2 /NDF: 37.1/31

All: 235.549 $\pm$ 142.181 χ^2 /NDF: 118.9/64

- sign -778.401 $\pm$ 199.732 χ^2 /NDF: 29.5/32

asym_left_dd_rms vs Slug



Right In: 752.429+/-0.209 χ^2/NDF : 252705.1/15

Left Out: 959.029+/-0.197 χ^2/NDF : 266073.3/15

Right Out: 716.522+/-0.199 χ^2/NDF : 966934.7/17

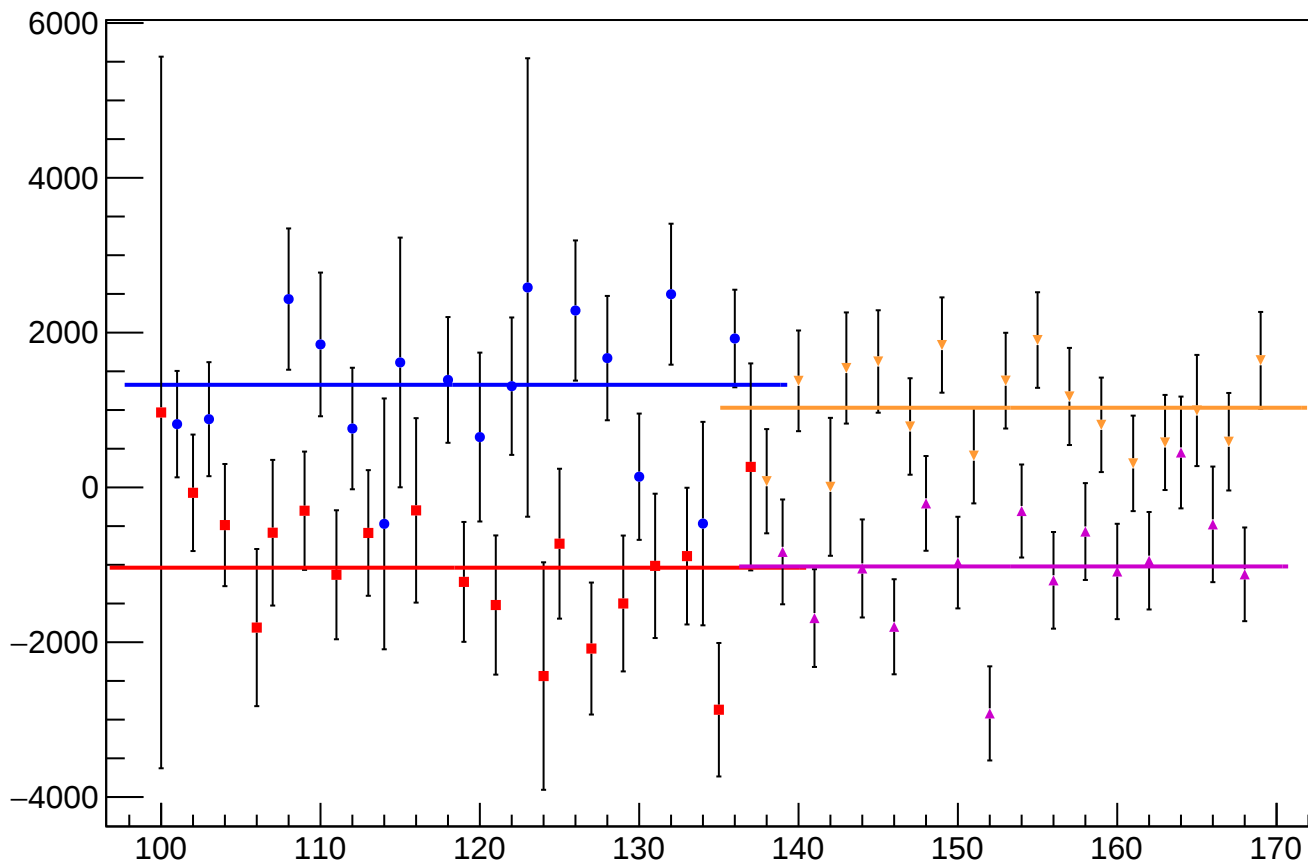
Left In: 964.700+/-0.201 χ^2/NDF : 359643.0/14

+ sign 861.761+/-0.143 χ^2/NDF : 1037737.3/31

All: 850.306+/-0.101 χ^2/NDF : 3148815.7/64

- sign 839.156+/-0.141 χ^2/NDF : 2098441.6/32

reg_asym_right_avg_mean vs Slug



Right In: 1325.776 $\pm$ 218.106 χ^2 /NDF: 12.9/16

Left Out: 1029.358 $\pm$ 156.830 χ^2 /NDF:13.7/16

Right Out: -1037.028 $\pm$ 211.583 χ^2 /NDF: 13.4/18

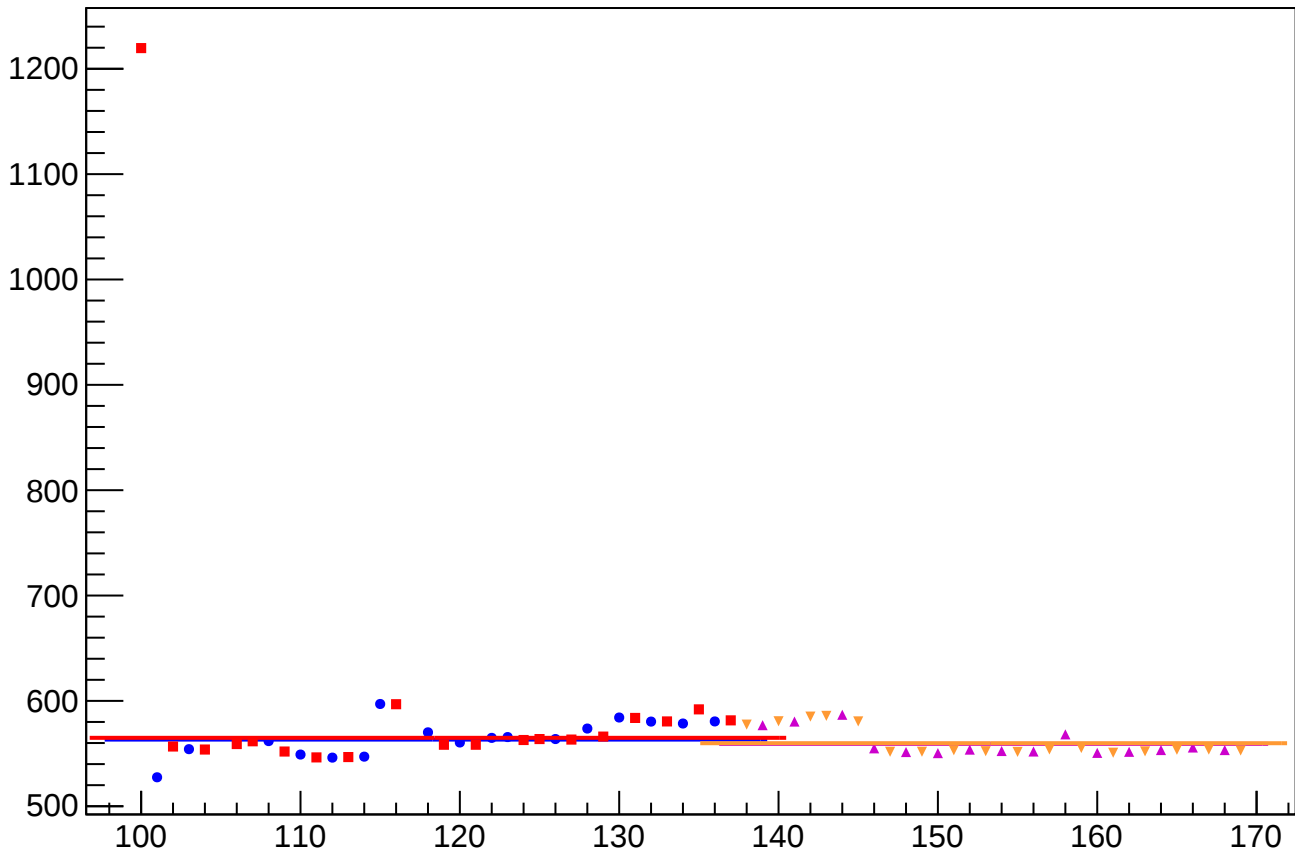
Left In: -1021.018 $\pm$ 163.194 χ^2 /NDF:21.1/14

+ sign 1130.384 $\pm$ 127.330 χ^2 /NDF: 27.8/33

All: 67.604 $\pm$ 90.697 χ^2 /NDF: 203.7/67

- sign -1026.990 $\pm$ 129.222 χ^2 /NDF: 34.5/33

reg_asym_right_avg_rms vs Slug



Right In: 563.266 $\pm$ 0.154 χ^2 /NDF: 12520.3/16

Left Out: 559.817 $\pm$ 0.111 χ^2 /NDF:12797.7/16

Right Out: 564.944 $\pm$ 0.150 χ^2 /NDF: 49295.9/18

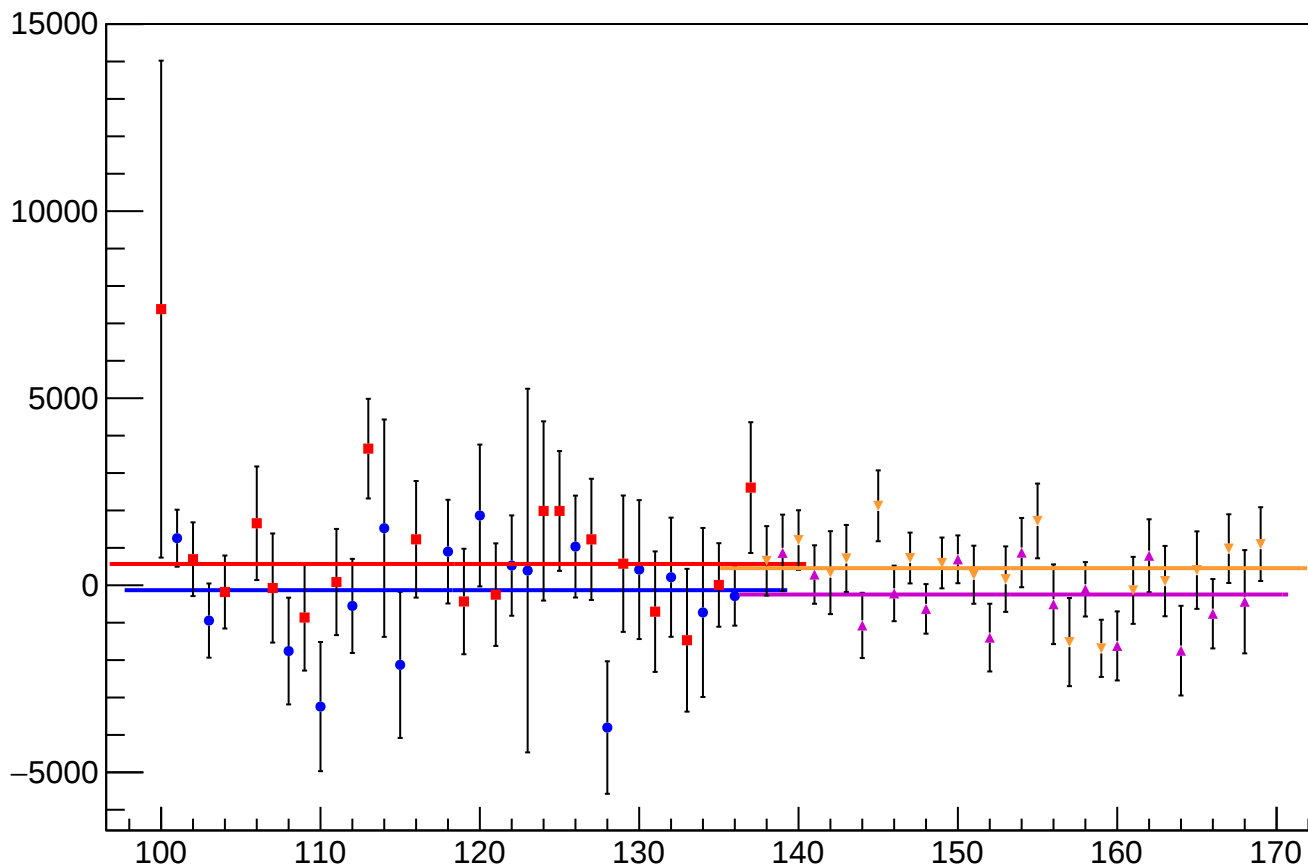
Left In: 559.197 $\pm$ 0.115 χ^2 /NDF:10425.7/14

+ sign 560.992 $\pm$ 0.090 χ^2 /NDF: 25647.7/33

All: 561.164 $\pm$ 0.064 χ^2 /NDF: 86301.9/67

- sign 561.341 $\pm$ 0.091 χ^2 /NDF: 60646.8/33

asym_right_avg_correction_mean vs Slug



Right In: -131.097 ± 327.588 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 456.847 ± 212.330 $\chi^2/\text{NDF}: 18.1/16$

Right Out: 569.844 ± 332.404 $\chi^2/\text{NDF}: 14.6/18$

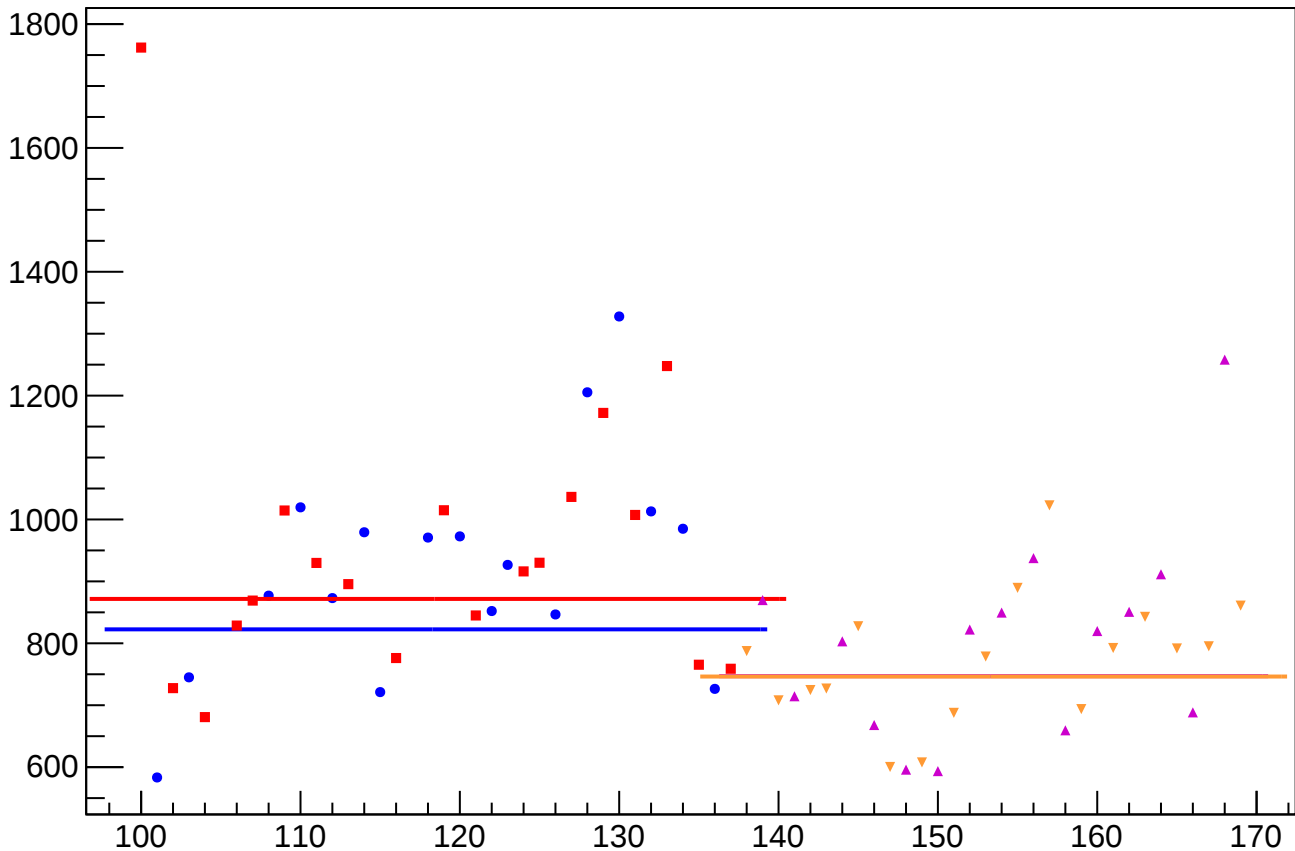
Left In: -246.645 ± 222.356 $\chi^2/\text{NDF}: 13.5/14$

+ sign 282.915 ± 178.176 $\chi^2/\text{NDF}: 37.6/33$

All: 149.408 ± 128.273 $\chi^2/\text{NDF}: 71.0/67$

- sign 5.764 ± 184.818 $\chi^2/\text{NDF}: 32.2/33$

asym_right_avg_correction_rms vs Slug



Right In: 822.527+/-0.232 χ^2/NDF : 600956.1/16

Left Out: 746.334+/-0.150 χ^2/NDF : 438817.2/16

Right Out: 871.679+/-0.235 χ^2/NDF : 406857.8/18

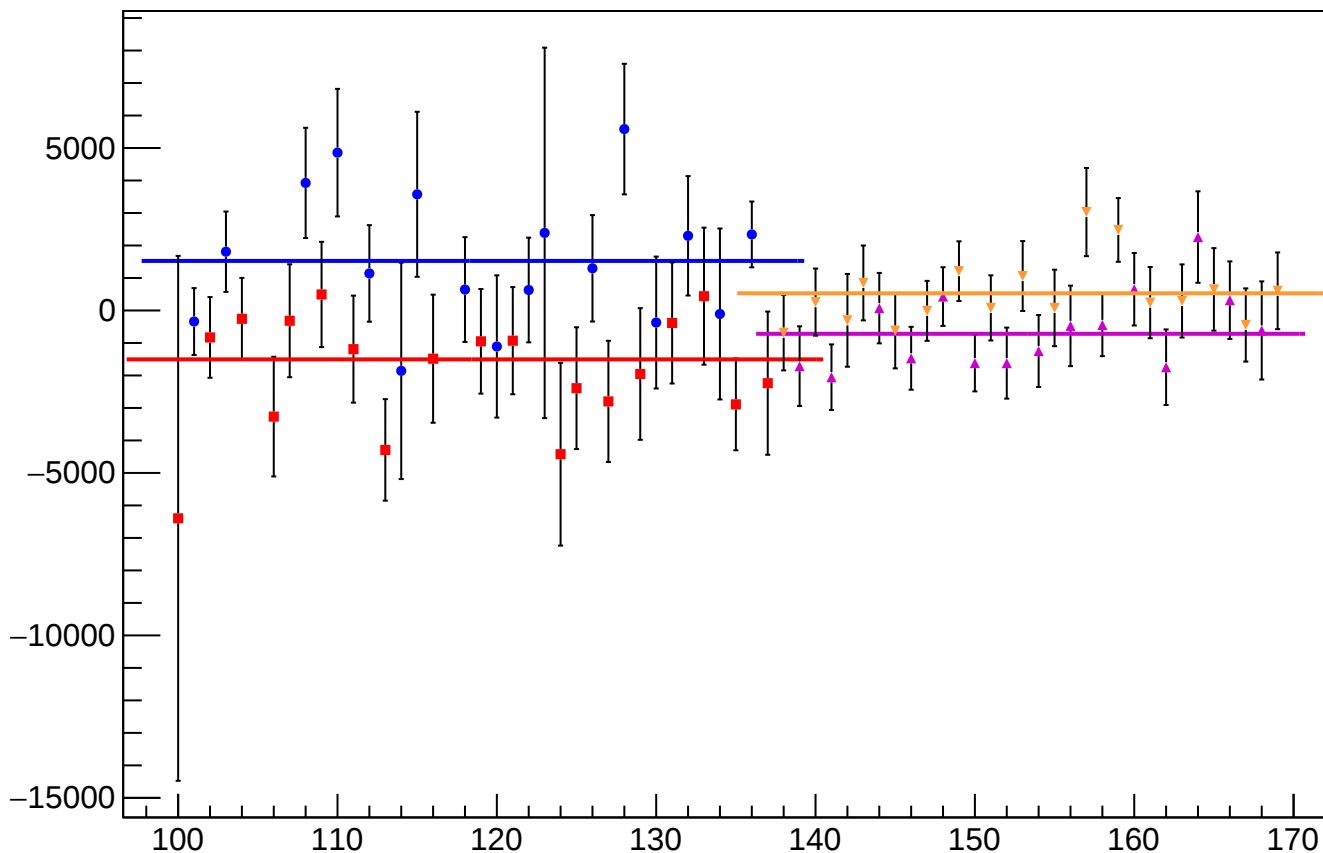
Left In: 746.925+/-0.157 χ^2/NDF : 768981.7/14

+ sign 768.874+/-0.126 χ^2/NDF : 1115959.5/33

All: 776.879+/-0.091 χ^2/NDF : 2494803.1/67

- sign 785.491+/-0.131 χ^2/NDF : 1370464.4/33

asym_right_avg_mean vs Slug



Right In: 1525.470 $\pm$ 401.784 χ^2 /NDF: 18.2/16

Left Out: 529.038 $\pm$ 267.777 χ^2 /NDF:12.3/16

Right Out: -1504.406 $\pm$ 399.953 χ^2 /NDF: 12.1/18

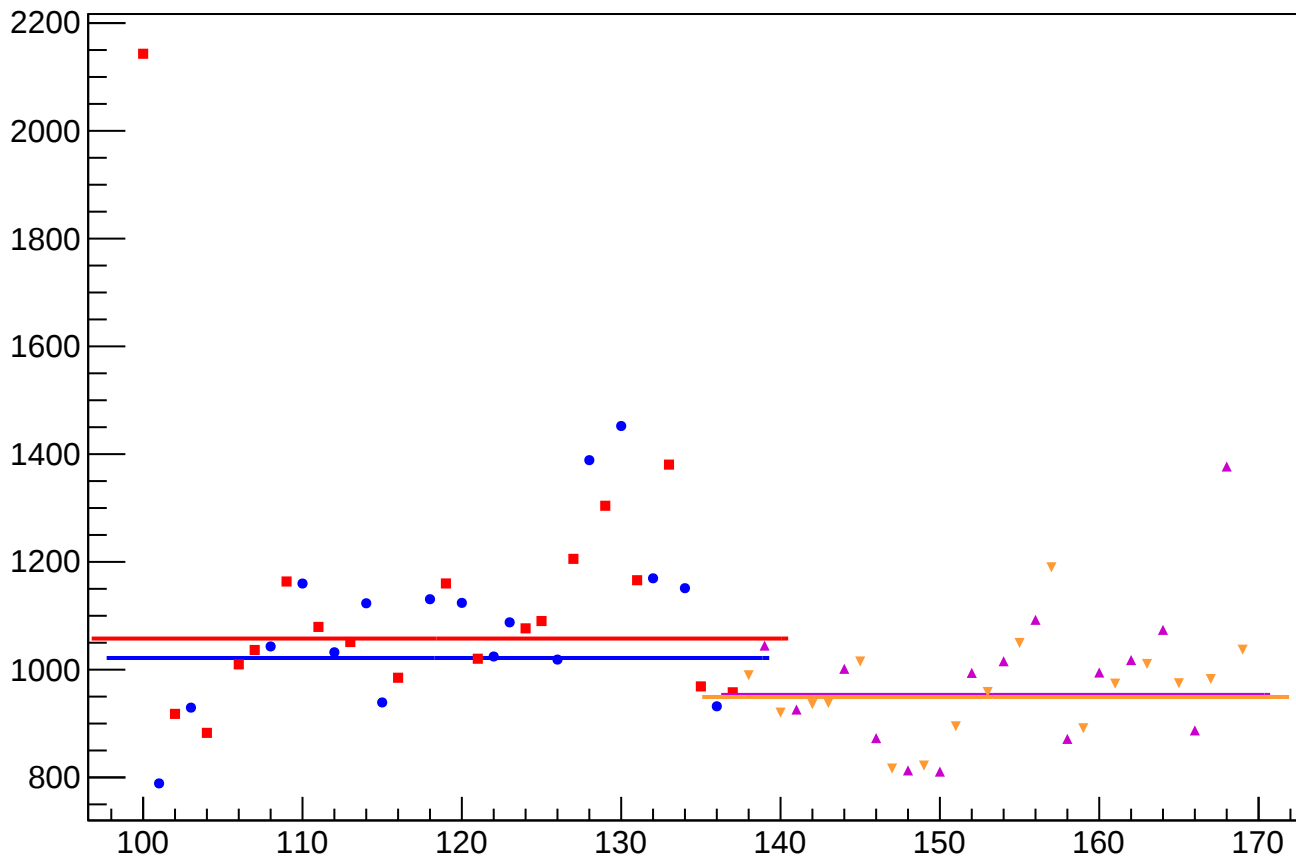
Left In: -717.665 $\pm$ 280.749 χ^2 /NDF:14.8/14

+ sign 835.508 $\pm$ 222.824 χ^2 /NDF: 34.8/33

All: -43.043 $\pm$ 159.966 χ^2 /NDF: 96.3/67

- sign -977.362 $\pm$ 229.788 χ^2 /NDF: 29.5/33

asym_right_avg_rms vs Slug



Right In: 1021.665+/-0.284 χ^2/NDF : 331949.3/16

Left Out: 949.299+/-0.189 χ^2/NDF : 201830.6/16

Right Out: 1057.748+/-0.283 χ^2/NDF : 230944.1/18

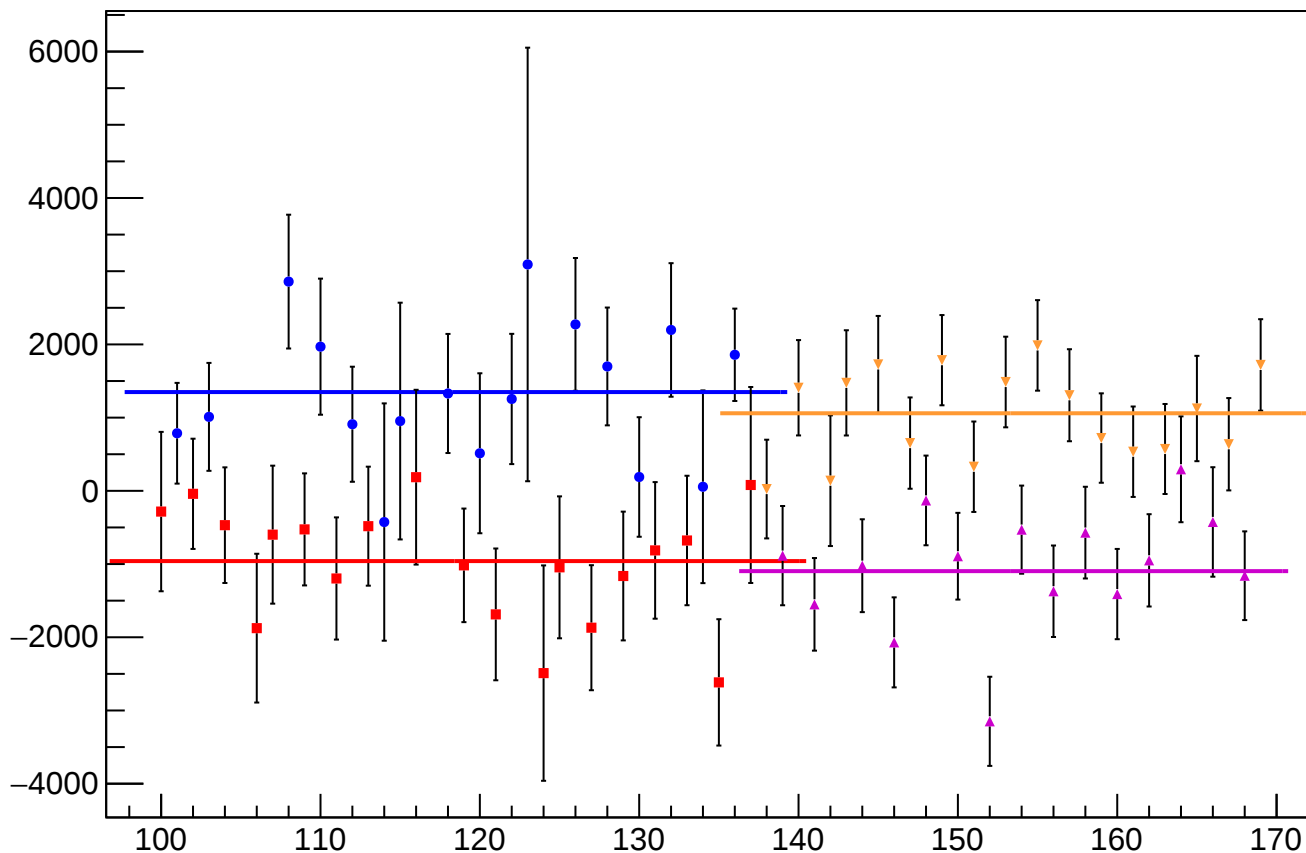
Left In: 953.163+/-0.199 χ^2/NDF : 368235.4/14

+ sign 971.556+/-0.158 χ^2/NDF : 578705.5/33

All: 979.373+/-0.113 χ^2/NDF : 1274577.8/67

- sign 987.686+/-0.162 χ^2/NDF : 690793.7/33

reg_asym_right_dd_mean vs Slug



Right In: 1349.156 $\pm$ 218.361 χ^2 /NDF: 12.3/16

Left Out: 1059.554 $\pm$ 156.992 χ^2 /NDF:14.4/16

Right Out: -959.496 $\pm$ 208.143 χ^2 /NDF: 12.2/18

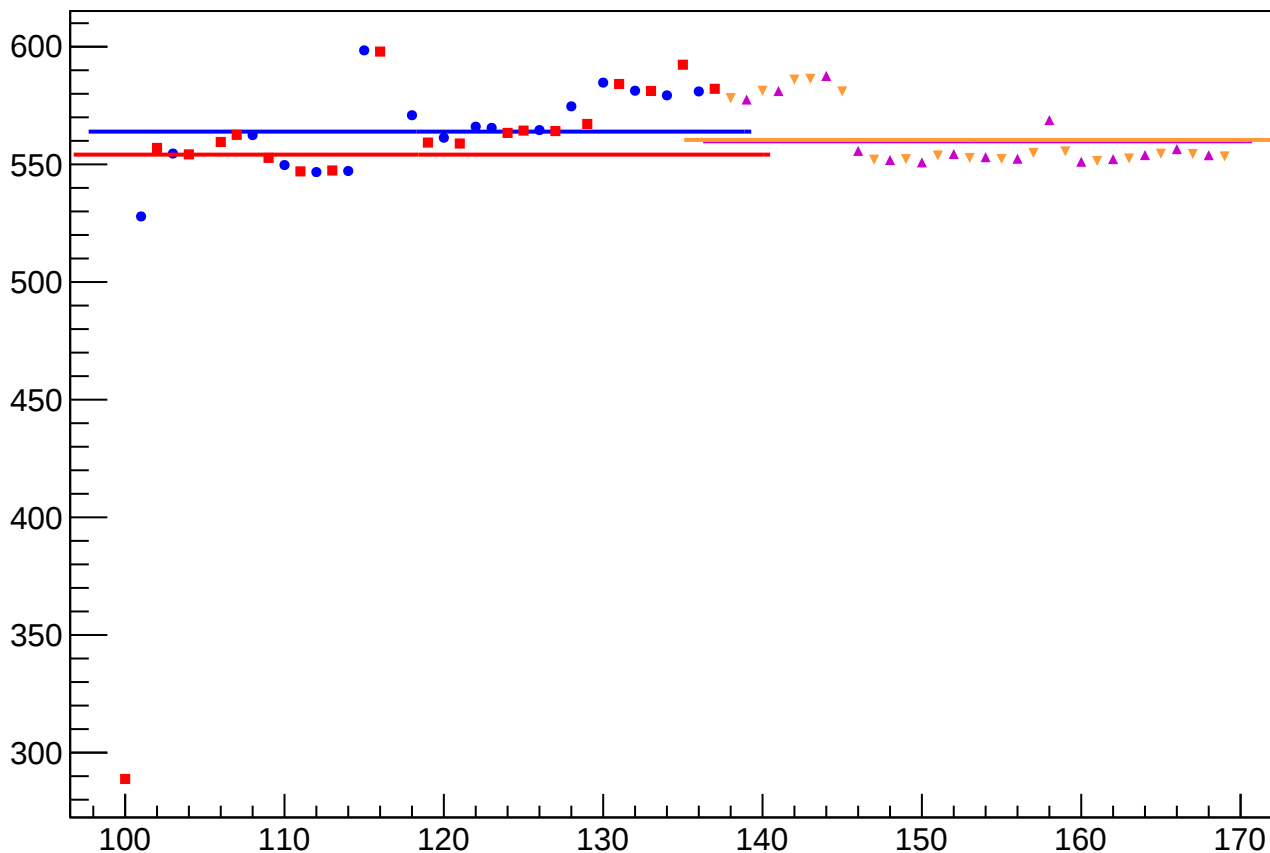
Left In: -1096.706 $\pm$ 163.369 χ^2 /NDF:23.7/14

+ sign 1158.238 $\pm$ 127.467 χ^2 /NDF: 27.8/33

All: 65.905 $\pm$ 90.500 χ^2 /NDF: 212.1/67

- sign -1044.401 $\pm$ 128.512 χ^2 /NDF: 36.2/33

reg_asym_right_dd_rms vs Slug



Right In: 563.922 $\pm$ 0.154 χ^2 /NDF: 12663.1/16

Left Out: 560.391 $\pm$ 0.111 χ^2 /NDF:12829.7/16

Right Out: 554.145 $\pm$ 0.147 χ^2 /NDF: 131965.1/18

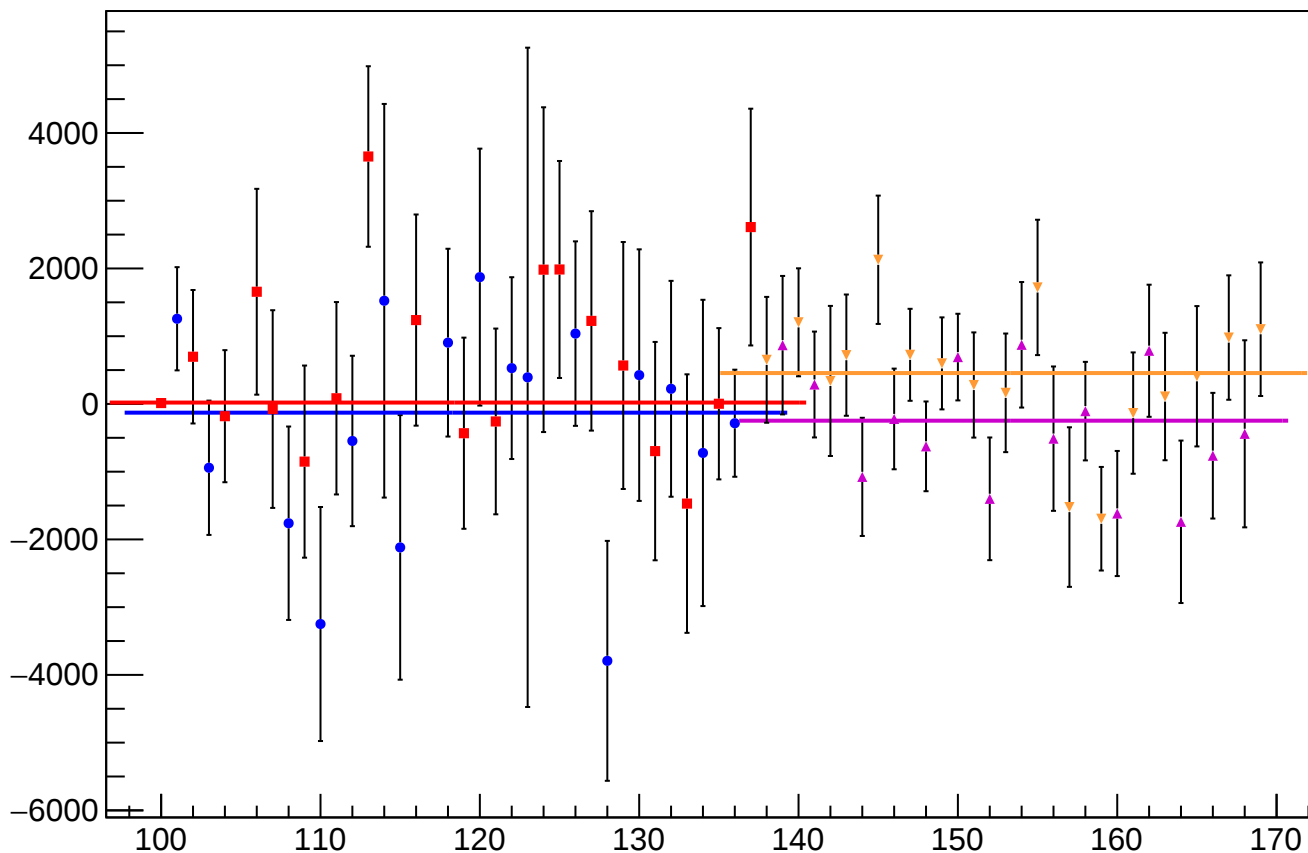
Left In: 559.798 $\pm$ 0.116 χ^2 /NDF:10517.3/14

+ sign 561.594 $\pm$ 0.090 χ^2 /NDF: 25837.6/33

All: 559.635 $\pm$ 0.064 χ^2 /NDF: 170186.1/67

- sign 557.643 $\pm$ 0.091 χ^2 /NDF: 143395.4/33

asym_right_dd_correction_mean vs Slug



Right In: -128.725 ± 327.688 χ^2/NDF : 17.2/16

Left Out: 456.003 ± 212.400 χ^2/NDF : 18.2/16

Right Out: 20.384 ± 38.954 χ^2/NDF : 16.1/18

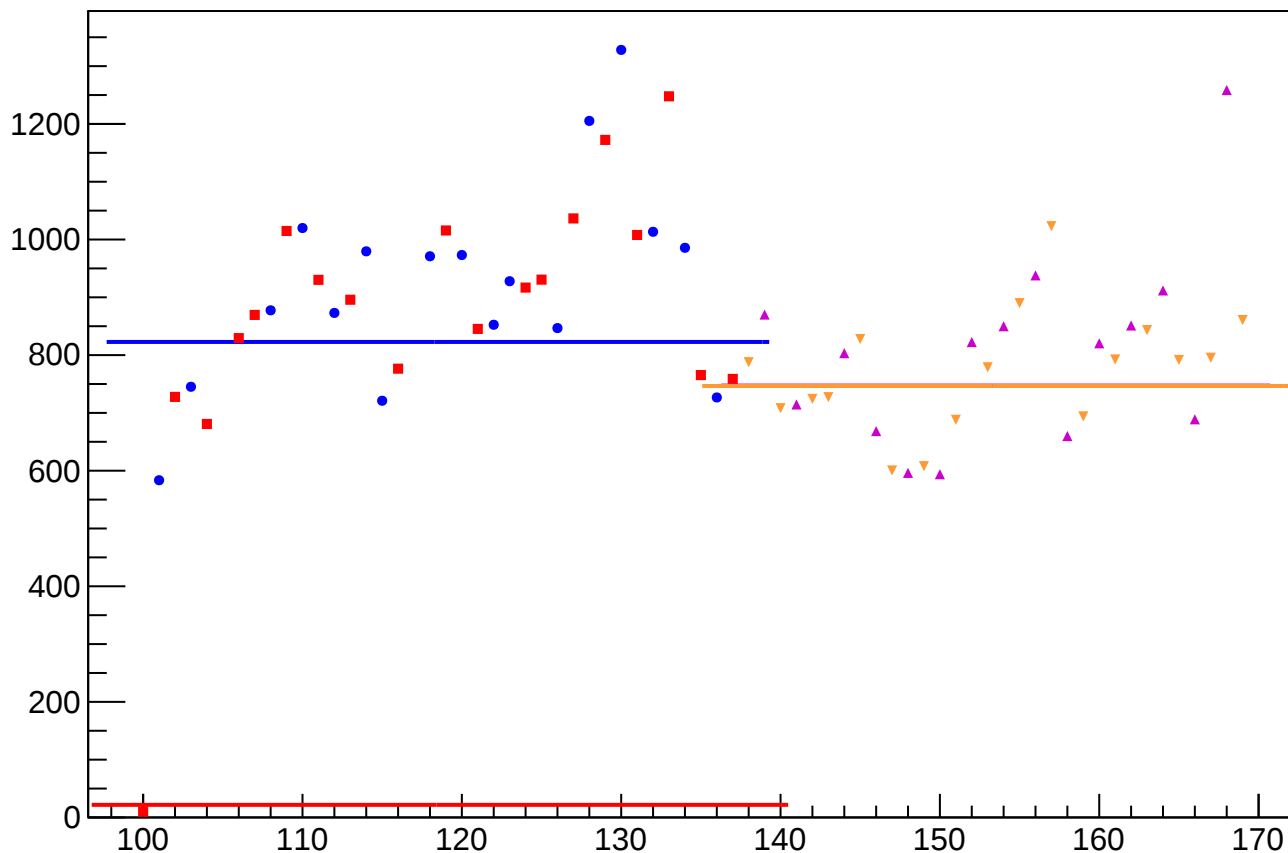
Left In: -247.227 ± 222.464 χ^2/NDF : 13.4/14

+ sign 283.016 ± 178.234 χ^2/NDF : 37.6/33

All: 24.408 ± 37.511 χ^2/NDF : 70.8/67

- sign 12.423 ± 38.370 χ^2/NDF : 30.9/33

asym_right_dd_correction_rms vs Slug



Right In: 822.780 $\pm$ 0.232 χ^2 /NDF: 600873.9/16

Left Out: 746.573 $\pm$ 0.150 χ^2 /NDF: 438721.9/16

Right Out: 21.812 $\pm$ 0.028 χ^2 /NDF: 13523611.9/18

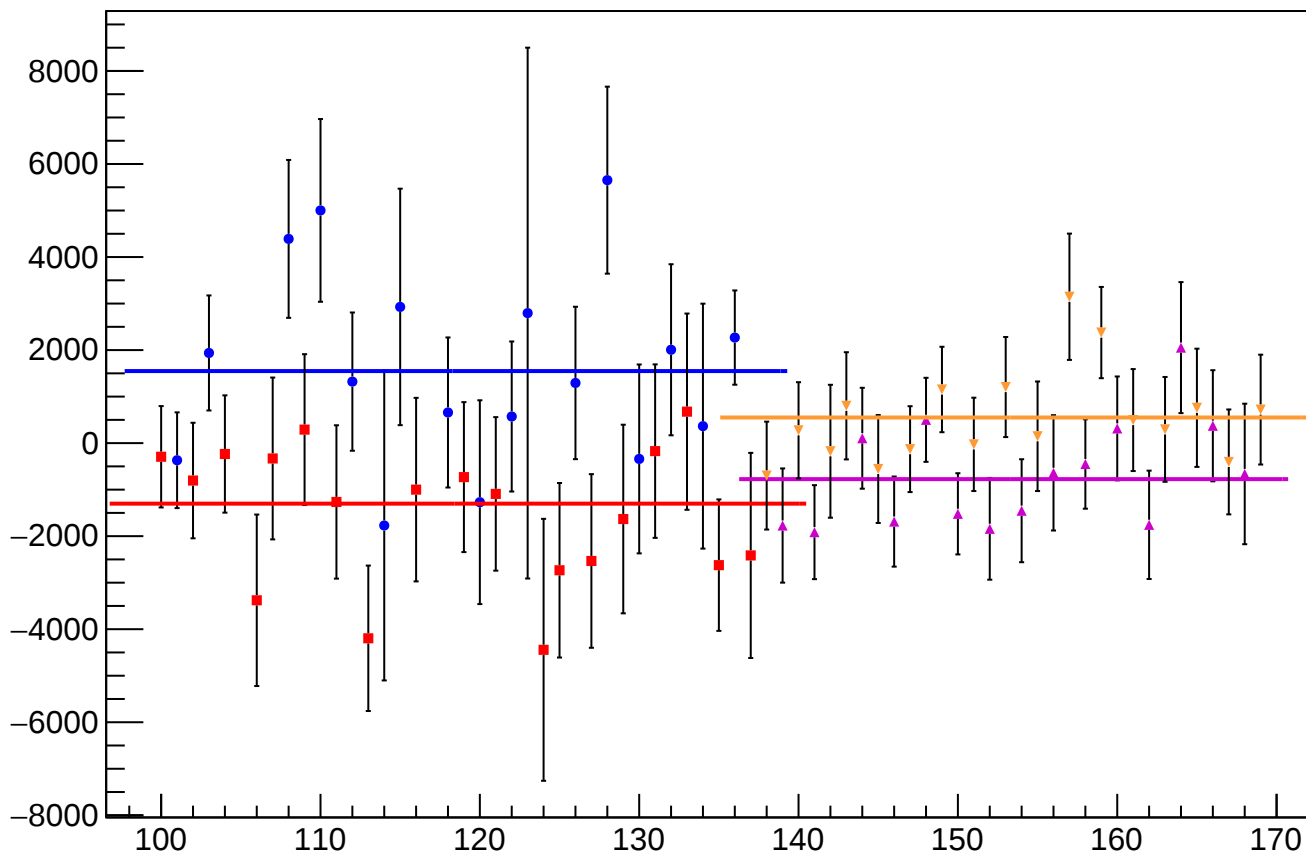
Left In: 747.296 $\pm$ 0.157 χ^2 /NDF: 768648.1/14

+ sign 769.118 $\pm$ 0.126 χ^2 /NDF: 1115763.0/33

All: 75.539 $\pm$ 0.027 χ^2 /NDF: 67734761.6/67

- sign 43.395 $\pm$ 0.027 χ^2 /NDF: 34929420.1/33

asym_right_dd_mean vs Slug



Right In: 1548.873 $\pm$ 402.008 χ^2 /NDF: 19.0/16

Left Out: 550.852 $\pm$ 267.927 χ^2 /NDF: 12.2/16

Right Out: -1300.945 $\pm$ 376.043 χ^2 /NDF: 12.5/18

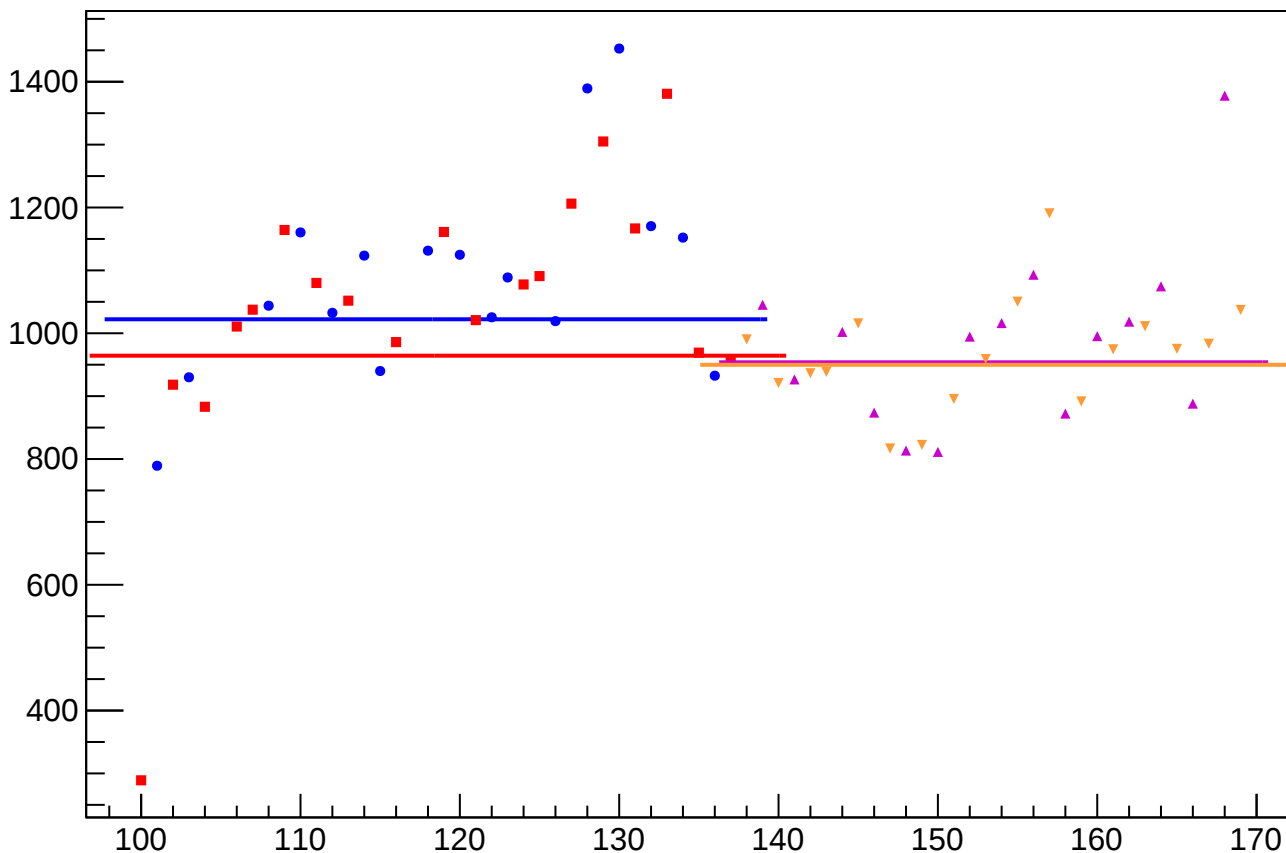
Left In: -773.963 $\pm$ 280.943 χ^2 /NDF: 14.3/14

+ sign 857.810 $\pm$ 222.949 χ^2 /NDF: 35.4/33

All: -43.857 $\pm$ 158.392 χ^2 /NDF: 96.5/67

- sign -962.738 $\pm$ 225.067 χ^2 /NDF: 28.1/33

asym_right_dd_rms vs Slug



Right In: 1022.241+/-0.284 χ^2/NDF : 331865.9/16

Left Out: 949.823+/-0.189 χ^2/NDF : 201881.8/16

Right Out: 964.330+/-0.266 χ^2/NDF : 1067281.2/18

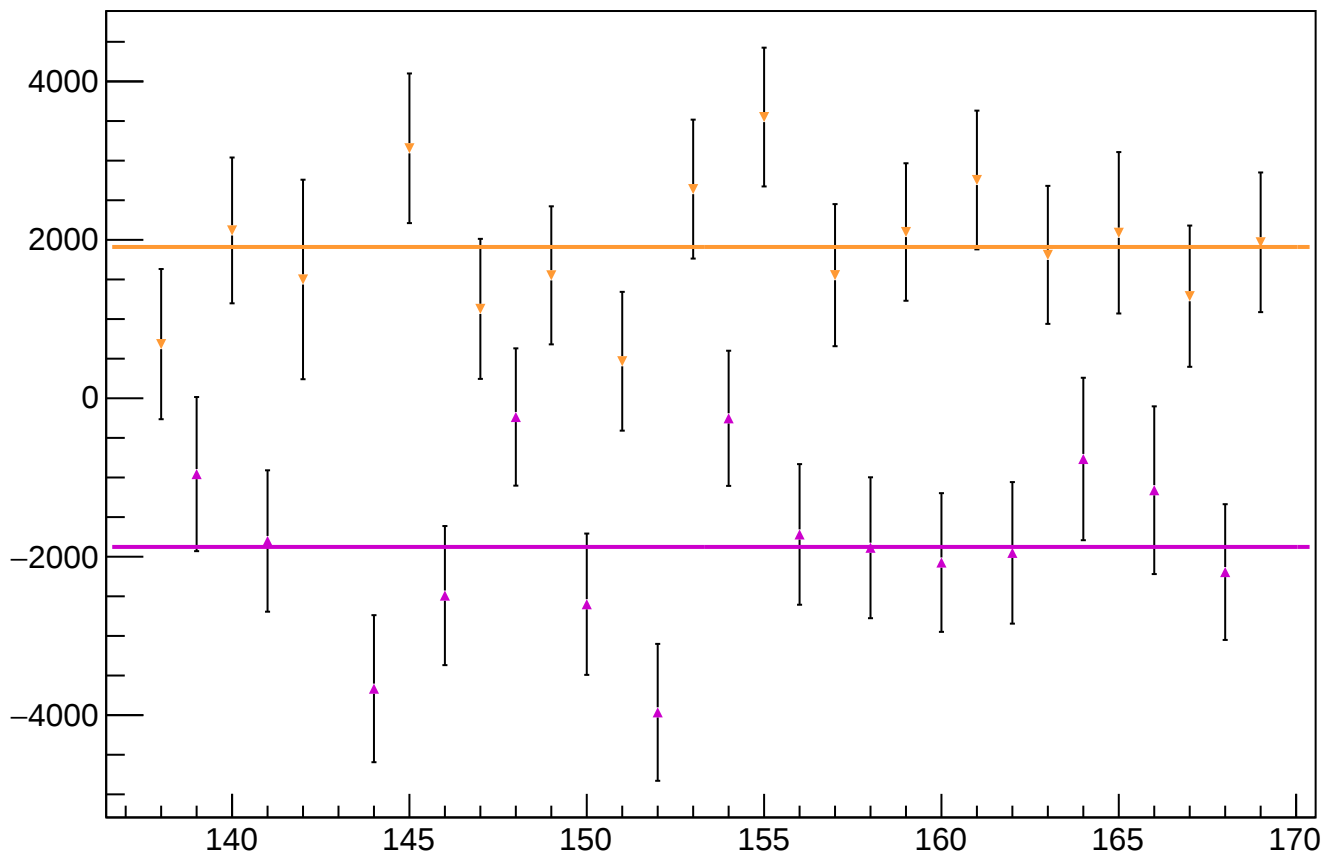
Left In: 953.826+/-0.199 χ^2/NDF : 367973.2/14

+ sign 972.097+/-0.158 χ^2/NDF : 578687.8/33

All: 964.911+/-0.112 χ^2/NDF : 2019138.0/67

- sign 957.589+/-0.159 χ^2/NDF : 1436255.8/33

cor_asym_us_avg_mean vs Slug



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

Left Out: 1910.237+/-227.937 χ^2/NDF :13.1/15

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

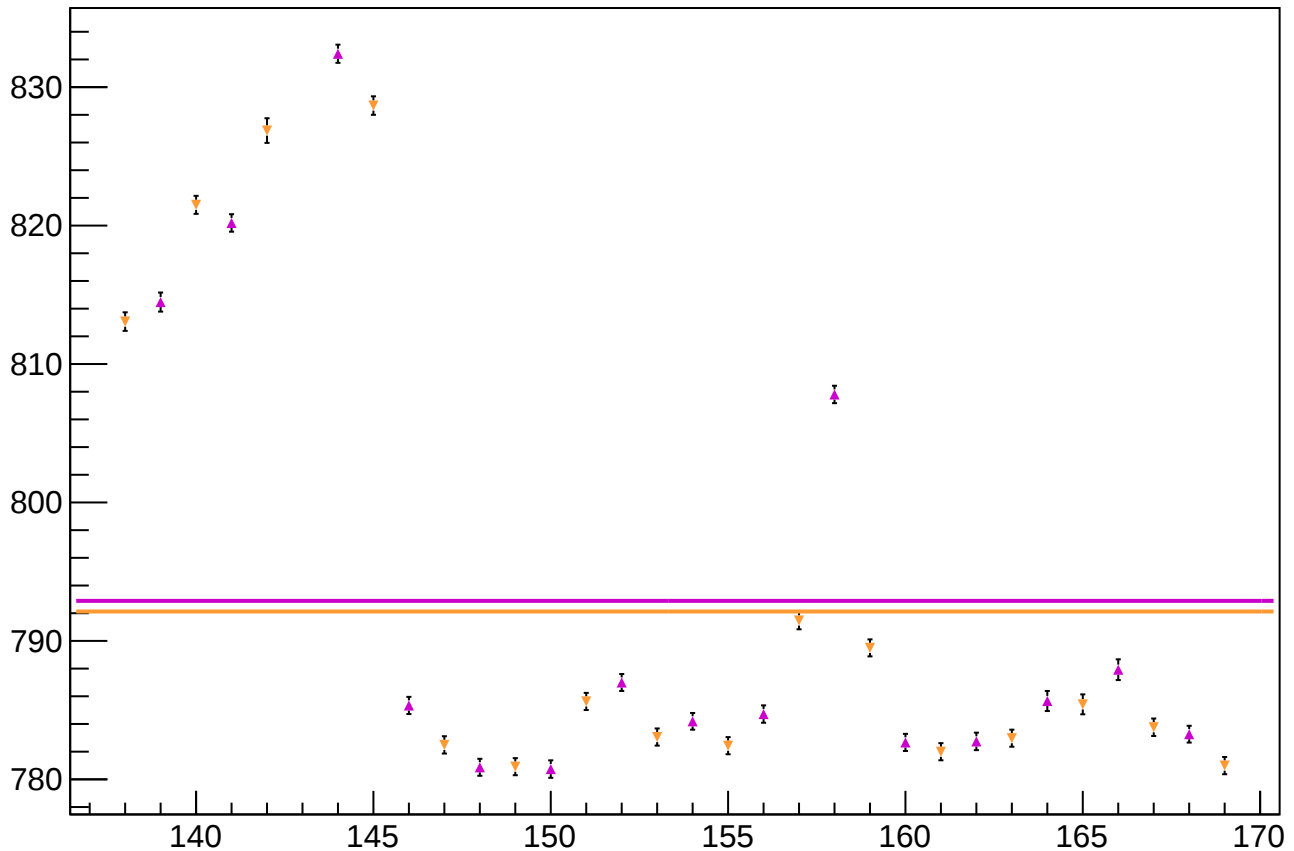
Left In: -1876.506+/-233.334 χ^2/NDF :20.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 61.169+/-163.050 χ^2/NDF : 168.5/30

- 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: 792.124+/-0.161 χ^2/NDF : 9754.9/15

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

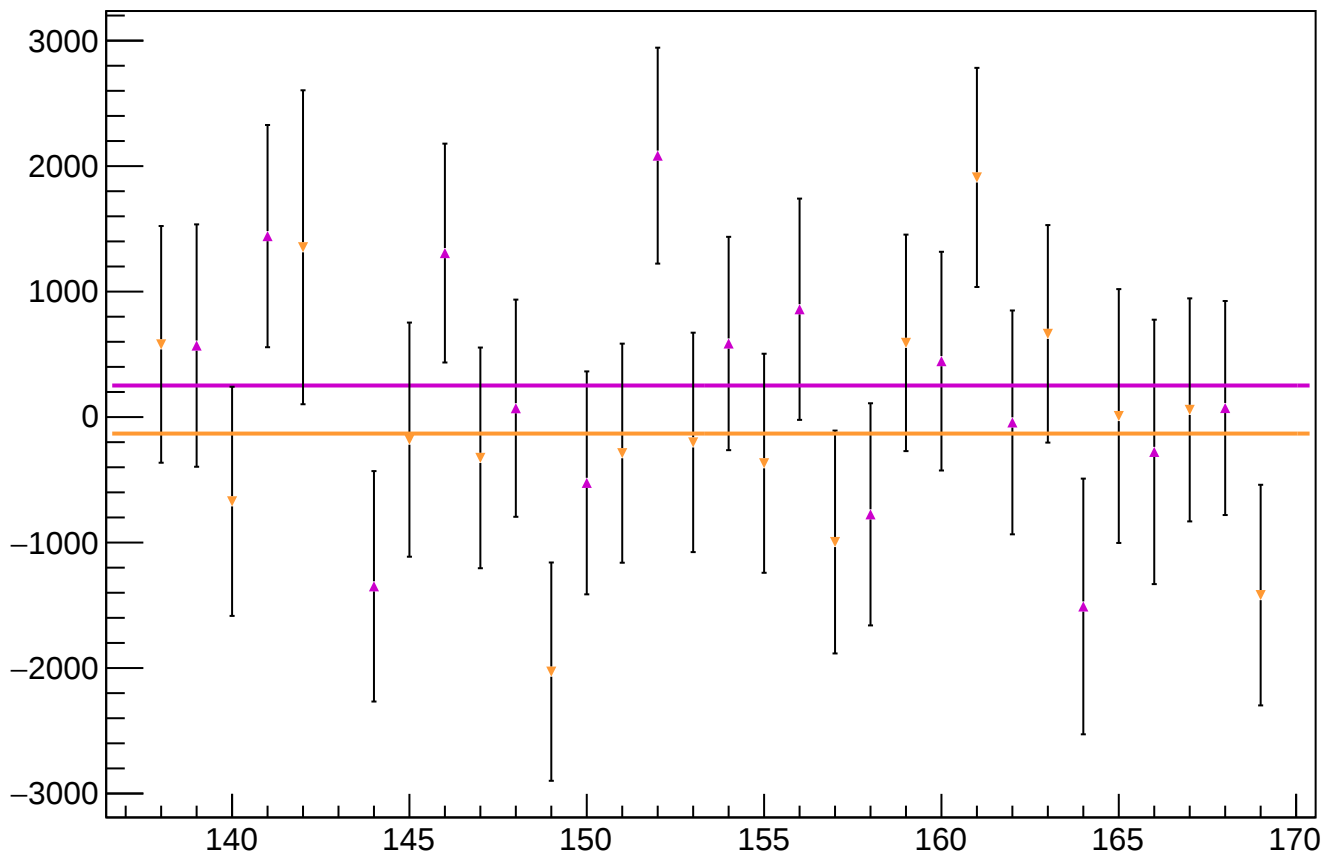
Left In: 792.892+/-0.165 χ^2/NDF : 9345.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 792.499+/-0.115 χ^2/NDF : 19111.1/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_mean vs Slug



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

Left Out: -131.434+/-226.744 χ^2/NDF : 17.4/15

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

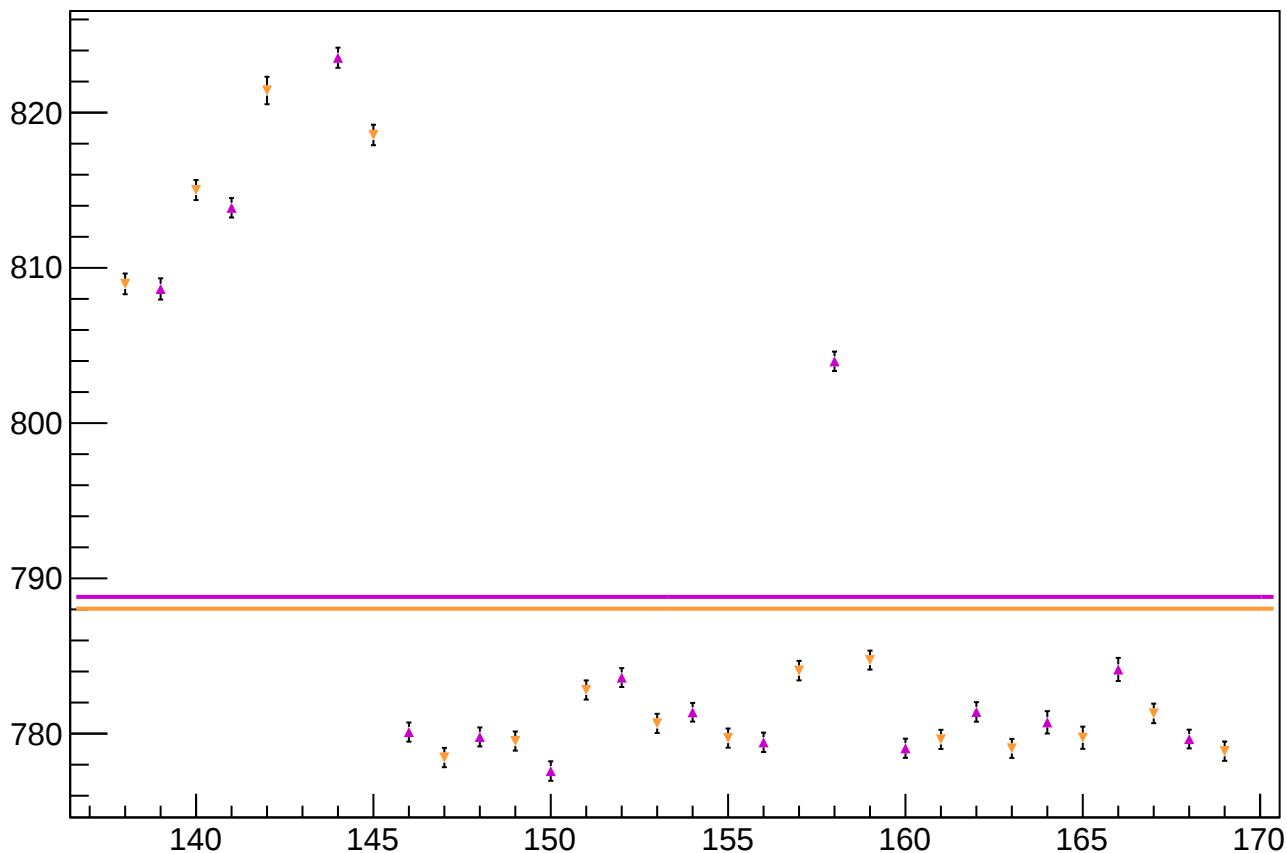
Left In: 251.639+/-232.120 χ^2/NDF : 17.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 55.615+/-162.199 χ^2/NDF : 36.0/30

- sign 0.000+/-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: 788.048 +/- 0.160 χ^2/NDF : 8057.7/15

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

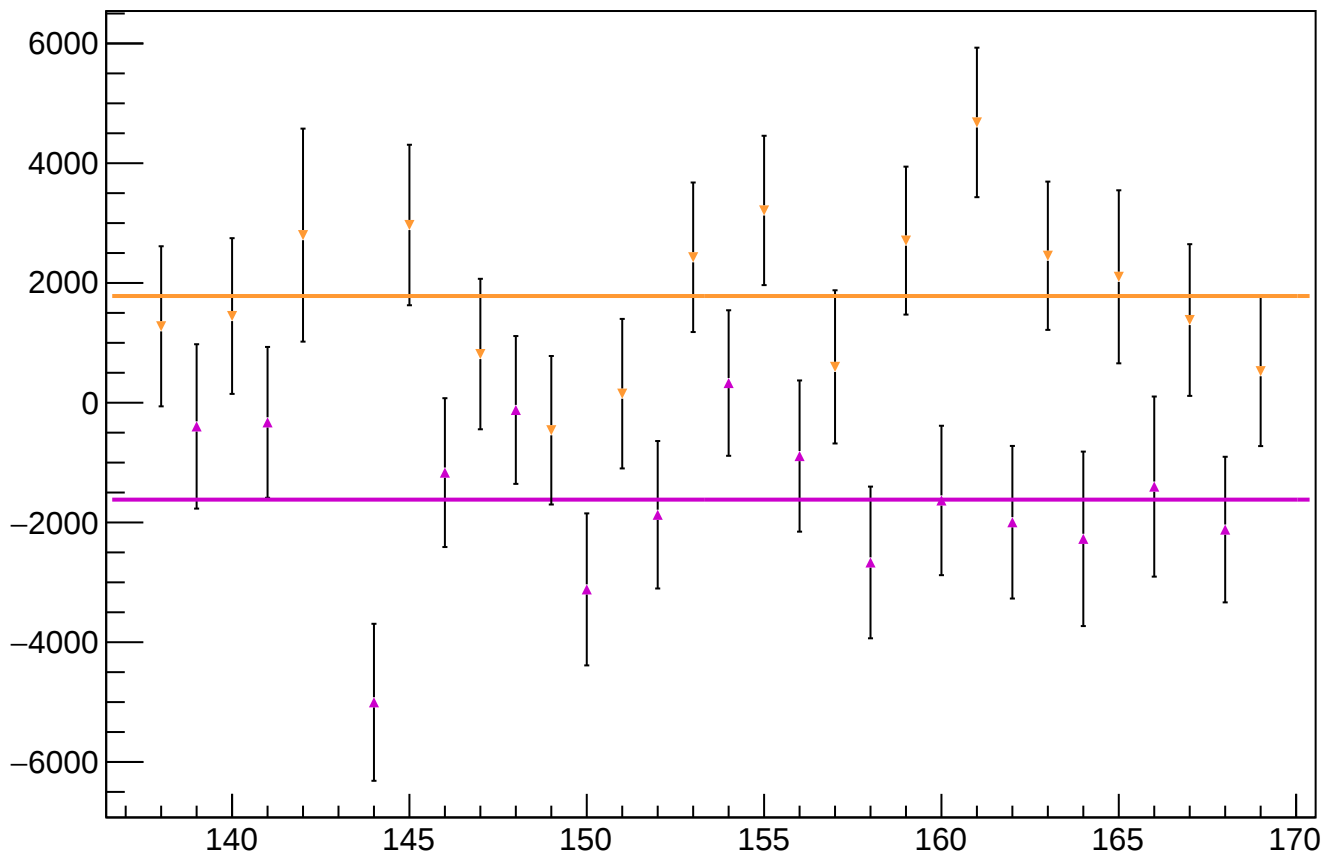
Left In: 788.806 +/- 0.164 χ^2/NDF : 7864.6/14

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: 788.418 +/- 0.115 χ^2/NDF : 15933.3/30

- 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: 1782.054+/-323.871 χ^2/NDF : 16.7/15

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

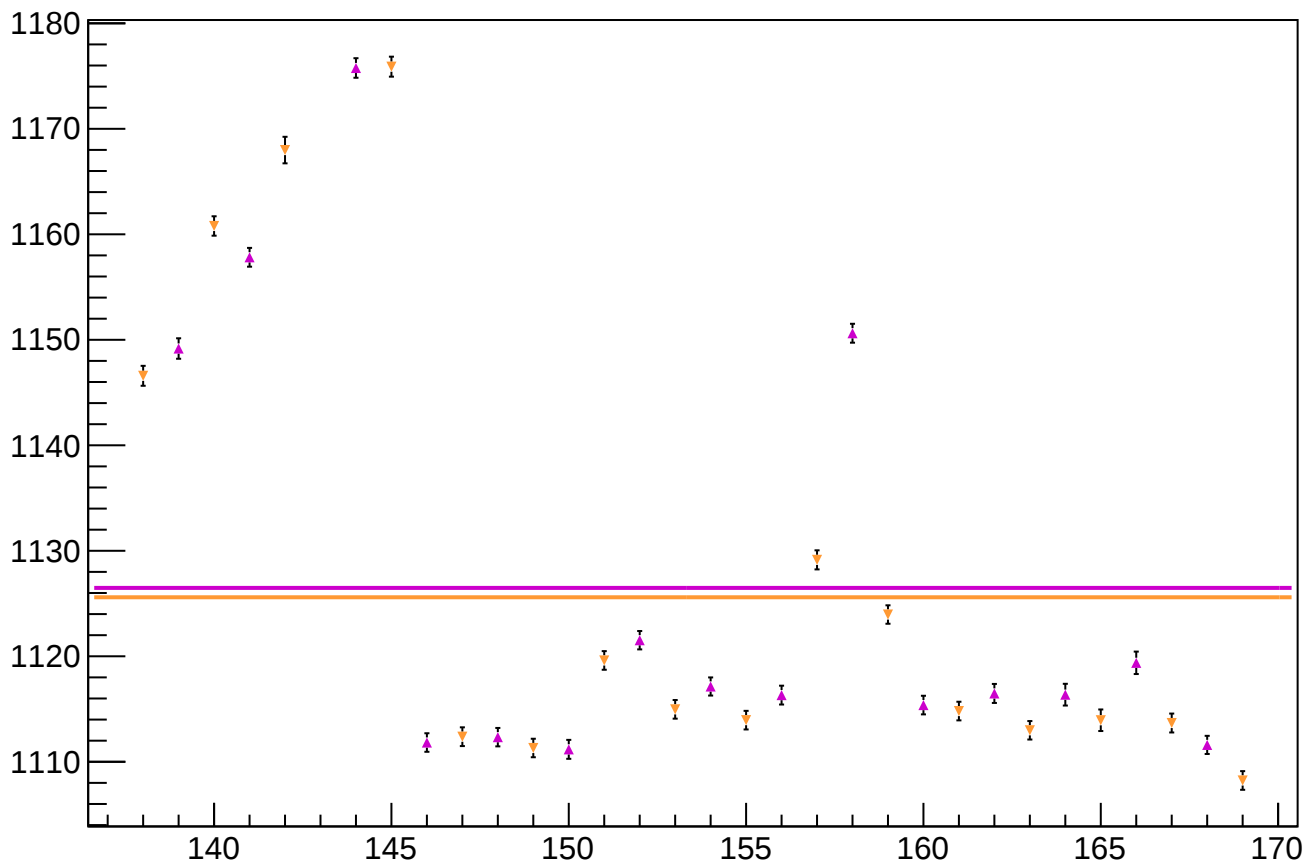
Left In: -1618.594+/-331.485 χ^2/NDF : 15.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 121.230+/-231.656 χ^2/NDF : 86.2/30

- 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: 1125.593+/-0.229 χ^2/NDF : 7830.3/15

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

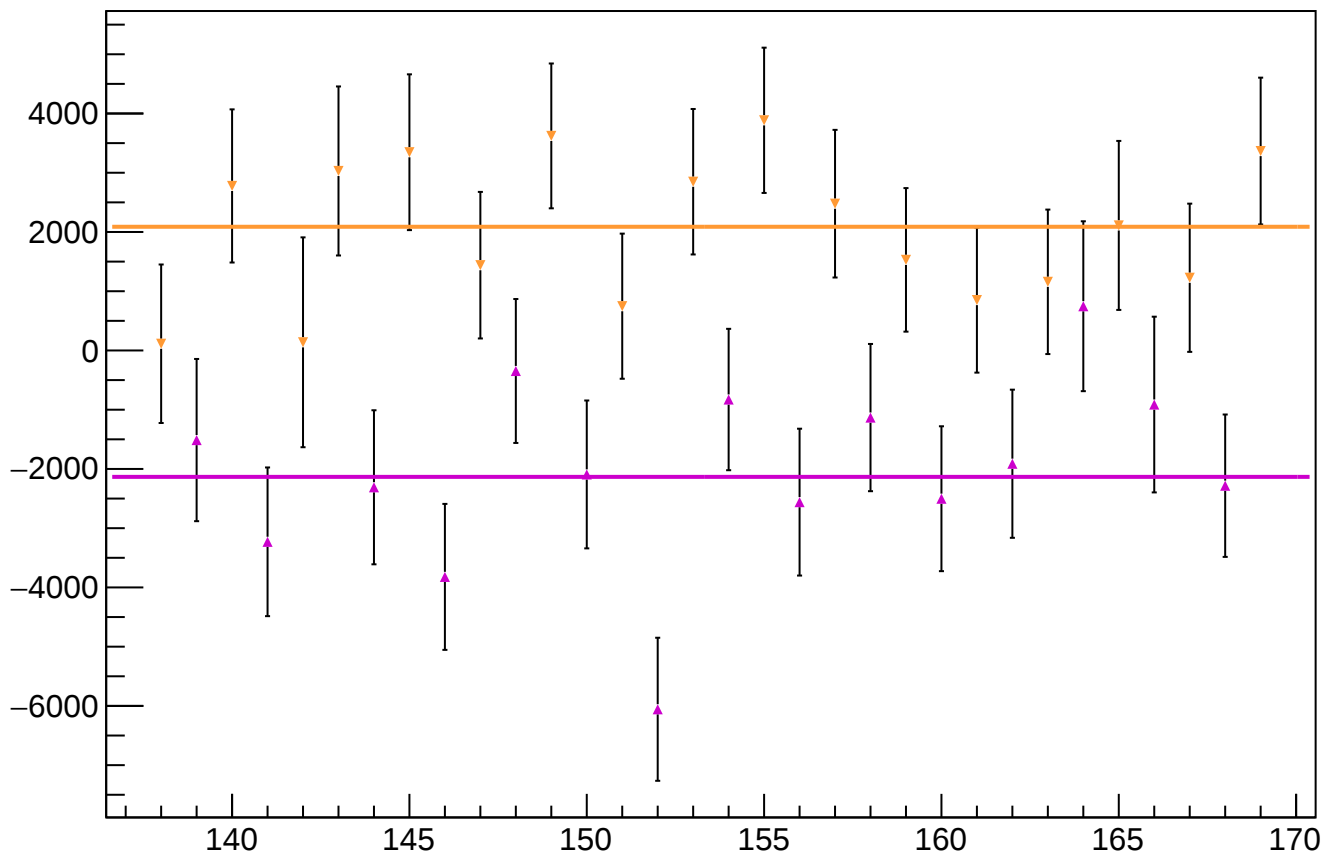
Left In: 1126.482+/-0.234 χ^2/NDF : 7170.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1126.028+/-0.164 χ^2/NDF : 15008.4/30

- 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: 2088.154+/-311.441 χ^2/NDF :14.1/16

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

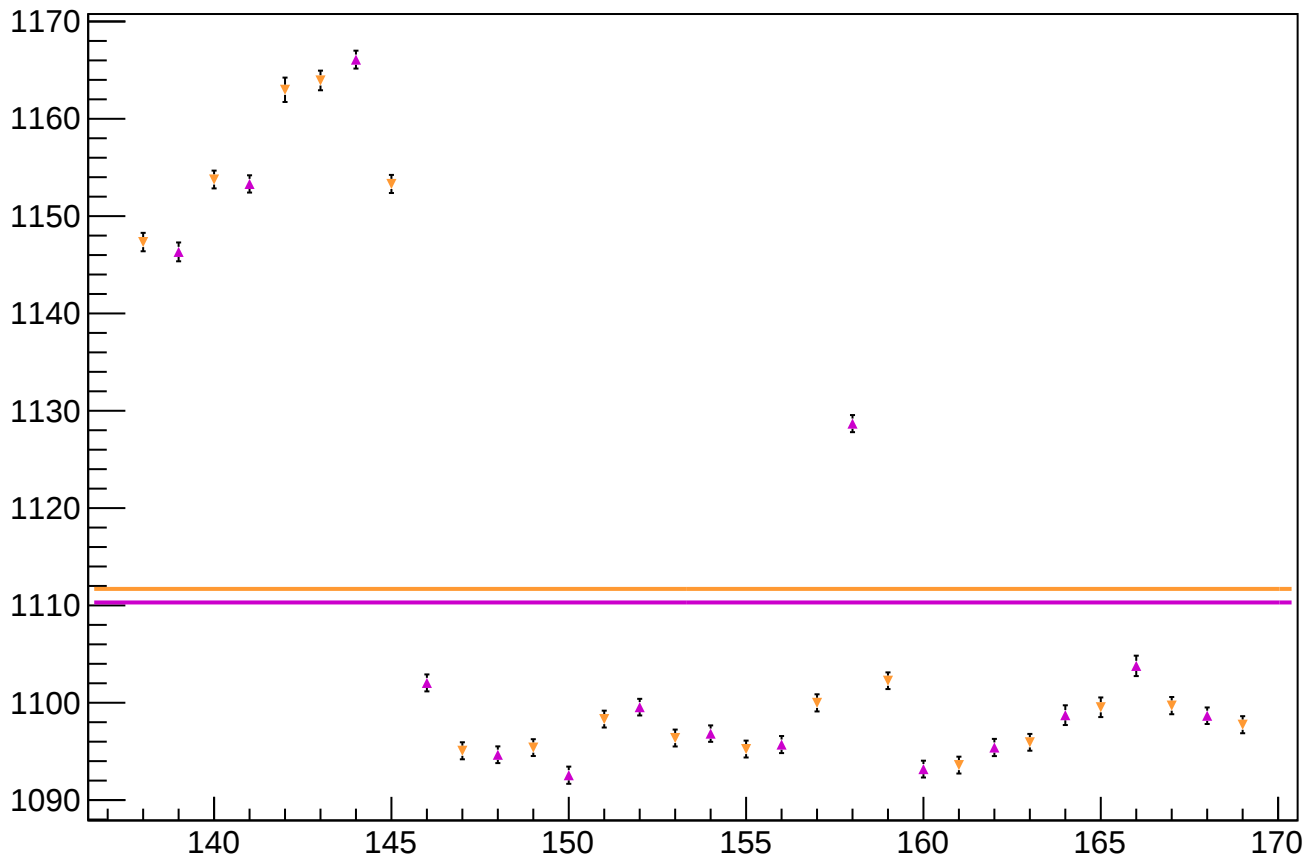
Left In: -2133.663+/-326.747 χ^2/NDF :22.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 78.442+/-225.439 χ^2/NDF : 123.9/31

- 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: 1111.697+/-0.220 χ^2/NDF :13178.8/16

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

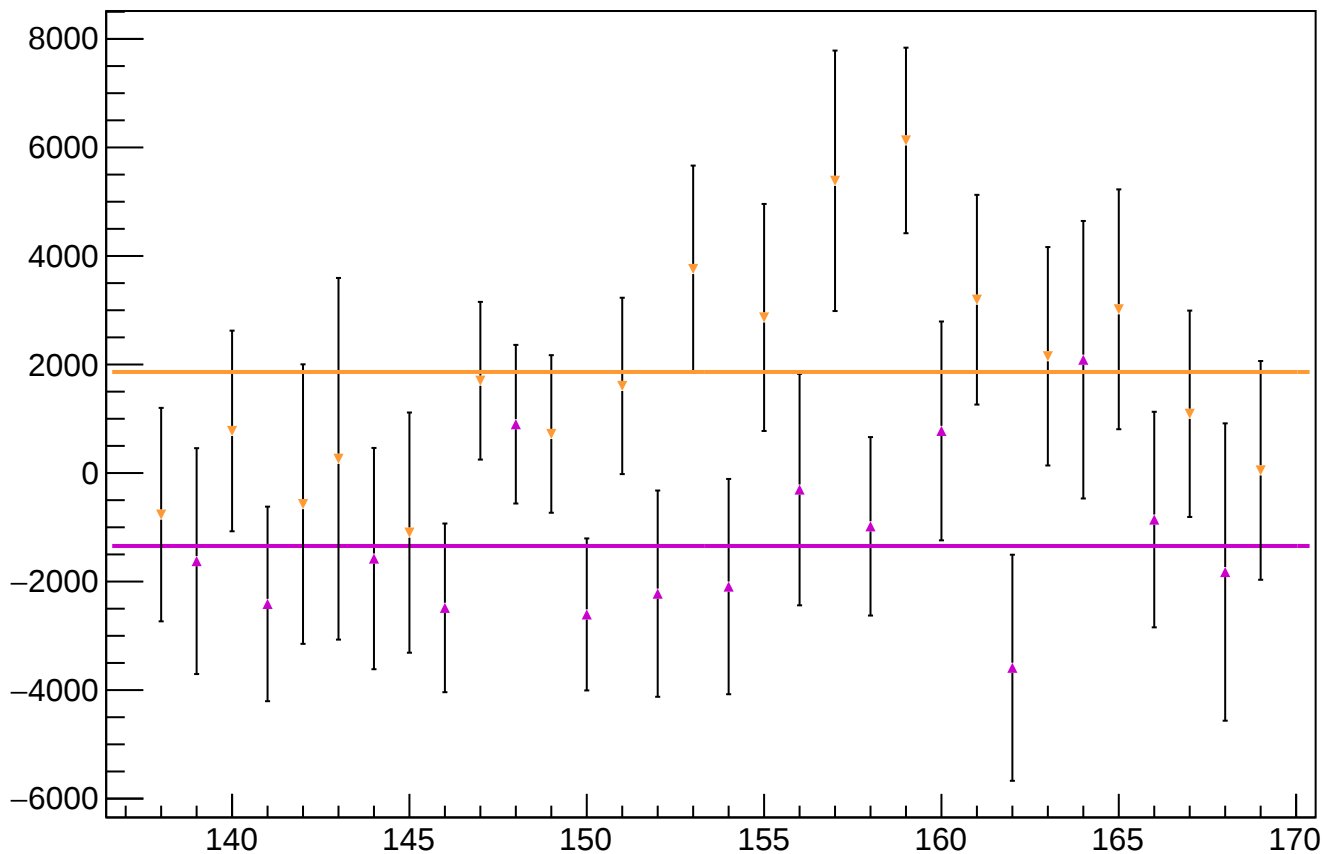
Left In: 1110.304+/-0.231 χ^2/NDF :10401.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1111.034+/-0.159 χ^2/NDF : 23598.9/31

- 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: 1862.376+/-467.052 χ^2/NDF : 17.0/16

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

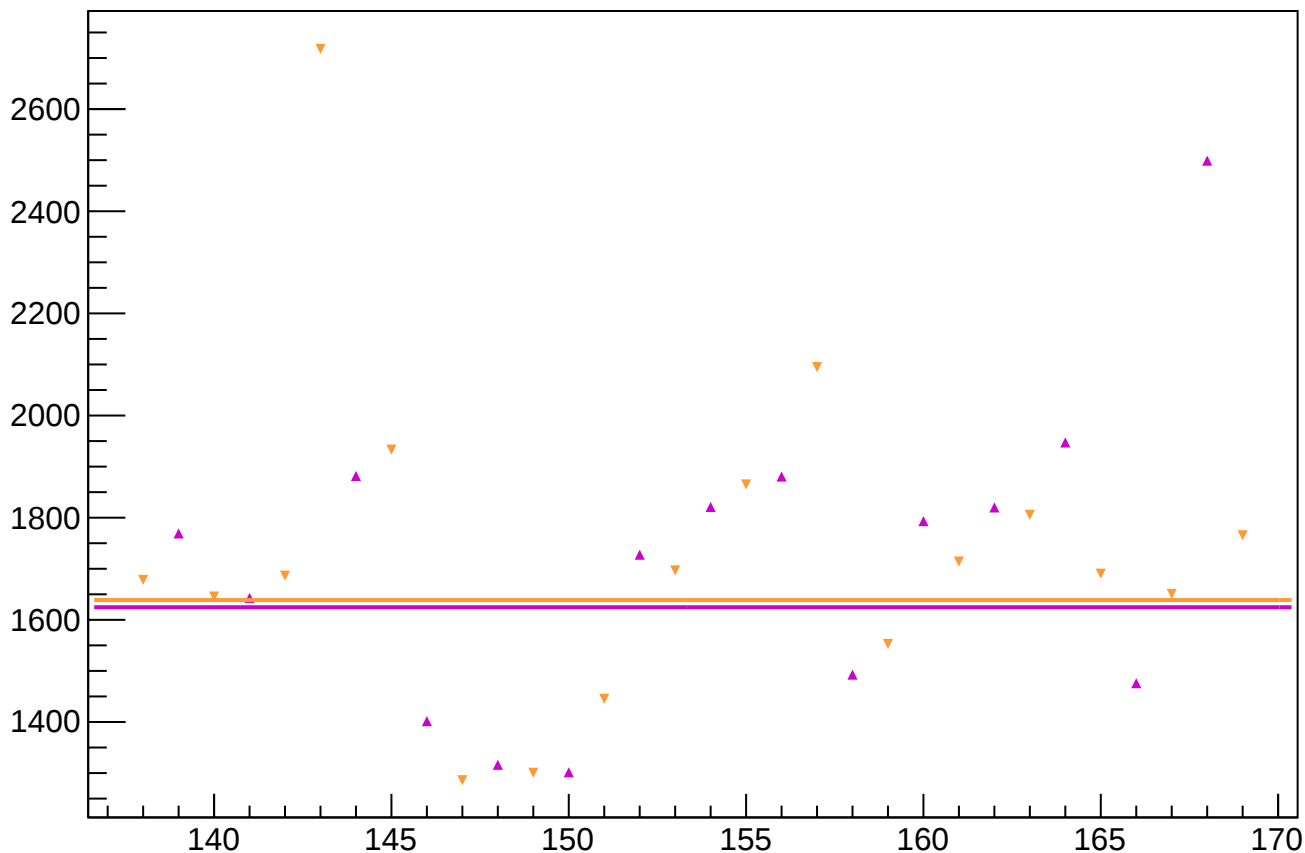
Left In: -1344.242+/-481.642 χ^2/NDF : 8.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 308.371+/-335.295 χ^2/NDF : 48.8/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_rms vs Slug



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

Left Out: 1638.736+/-0.330 χ^2/NDF : 629806.1/16

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

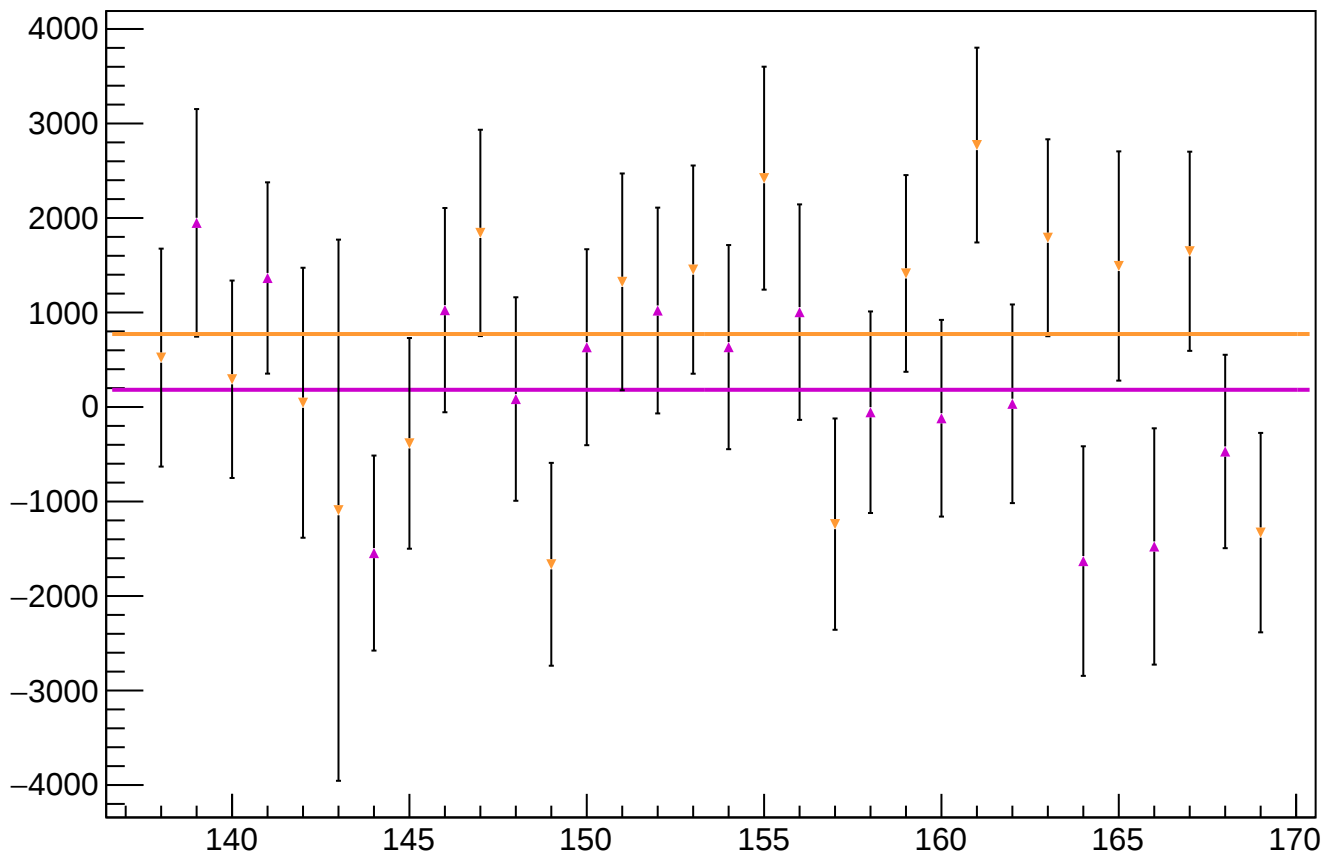
Left In: 1624.649+/-0.341 χ^2/NDF : 623769.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1631.909+/-0.237 χ^2/NDF : 1254457.0/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_mean vs Slug



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

Left Out: 772.305+/-275.666 χ^2/NDF : 24.0/16

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

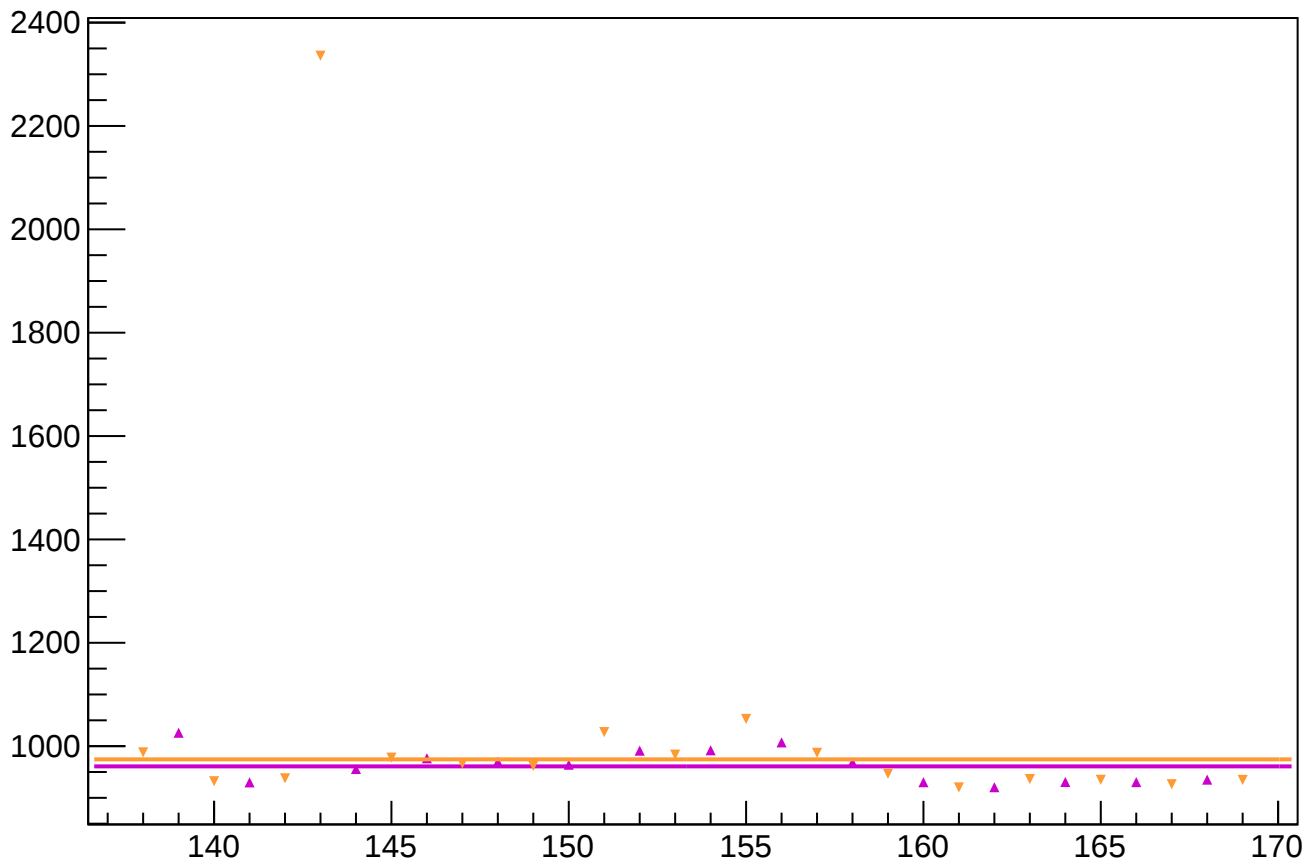
Left In: 182.180+/-280.559 χ^2/NDF : 13.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 482.434+/-196.632 χ^2/NDF : 39.3/31

- sign 0.000+/-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: 974.462+/-0.195 χ^2/NDF : 489695.8/16

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

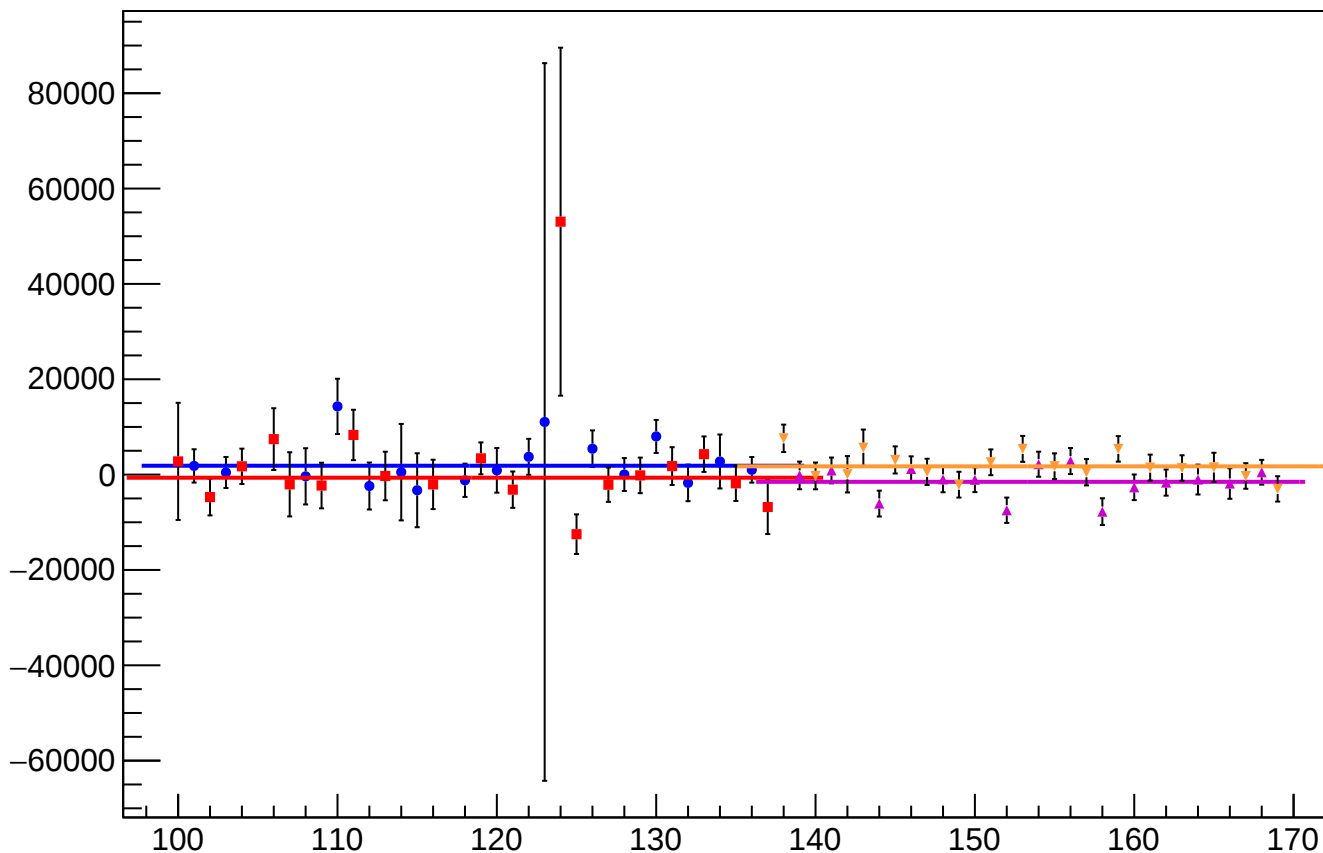
Left In: 960.883+/-0.198 χ^2/NDF : 23340.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 967.792+/-0.139 χ^2/NDF : 515420.2/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_mean vs Slug



Right In: 1859.767 $\pm$ 1013.438 χ^2 /NDF: 12.5/16

Left Out: 1733.843 $\pm$ 686.867 χ^2 /NDF:16.1/16

Right Out: -654.213 $\pm$ 1023.772 χ^2 /NDF: 22.1/18

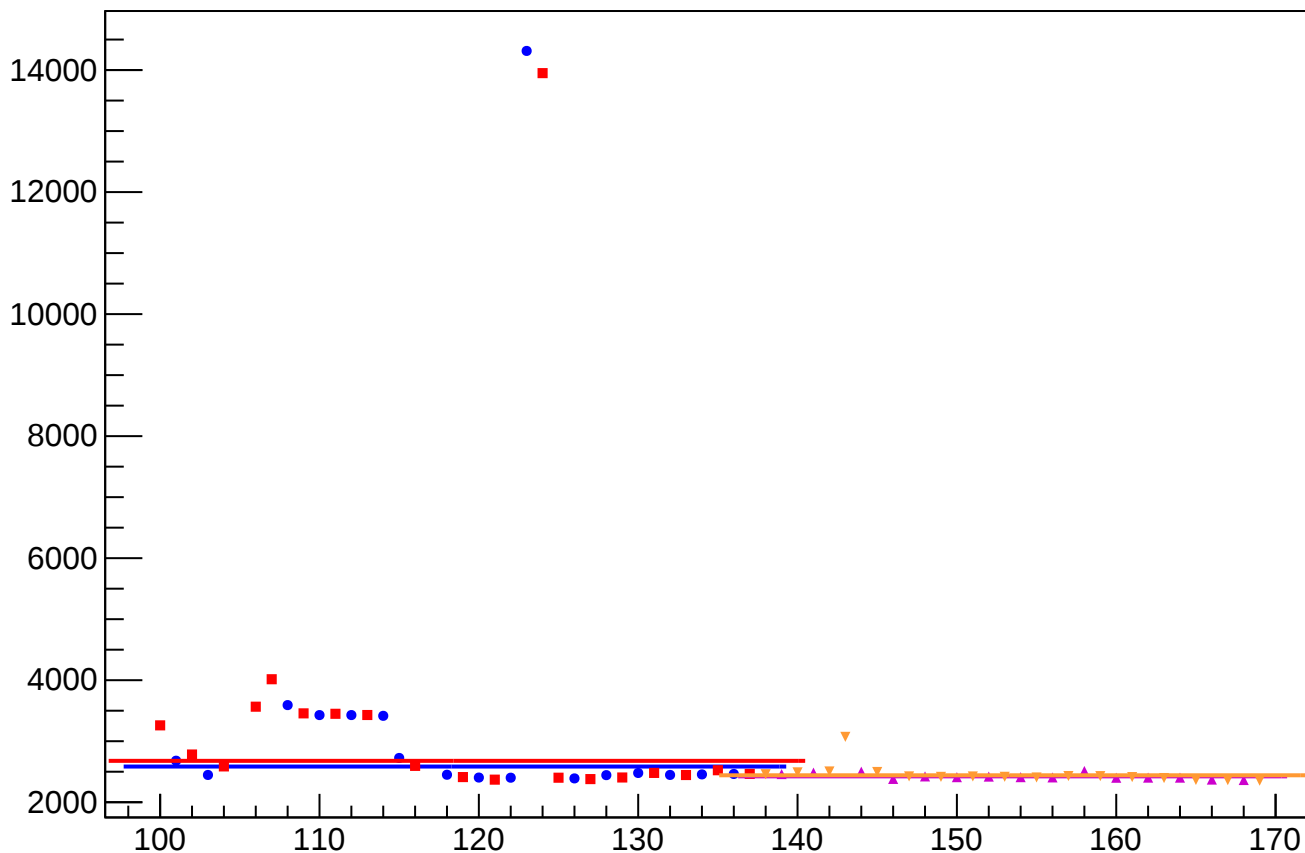
Left In: -1516.992 $\pm$ 709.678 χ^2 /NDF:20.3/14

+ sign 1773.479 $\pm$ 568.580 χ^2 /NDF: 28.6/33

All: 306.588 $\pm$ 407.134 χ^2 /NDF: 85.1/67

- sign -1236.965 $\pm$ 583.248 χ^2 /NDF: 42.8/33

reg_asym_atl1_rms vs Slug



Right In: 2584.819+/-0.717 χ^2/NDF : 255710.5/16

Left Out: 2441.567+/-0.486 χ^2/NDF : 63622.4/16

Right Out: 2678.229+/-0.724 χ^2/NDF : 532096.9/18

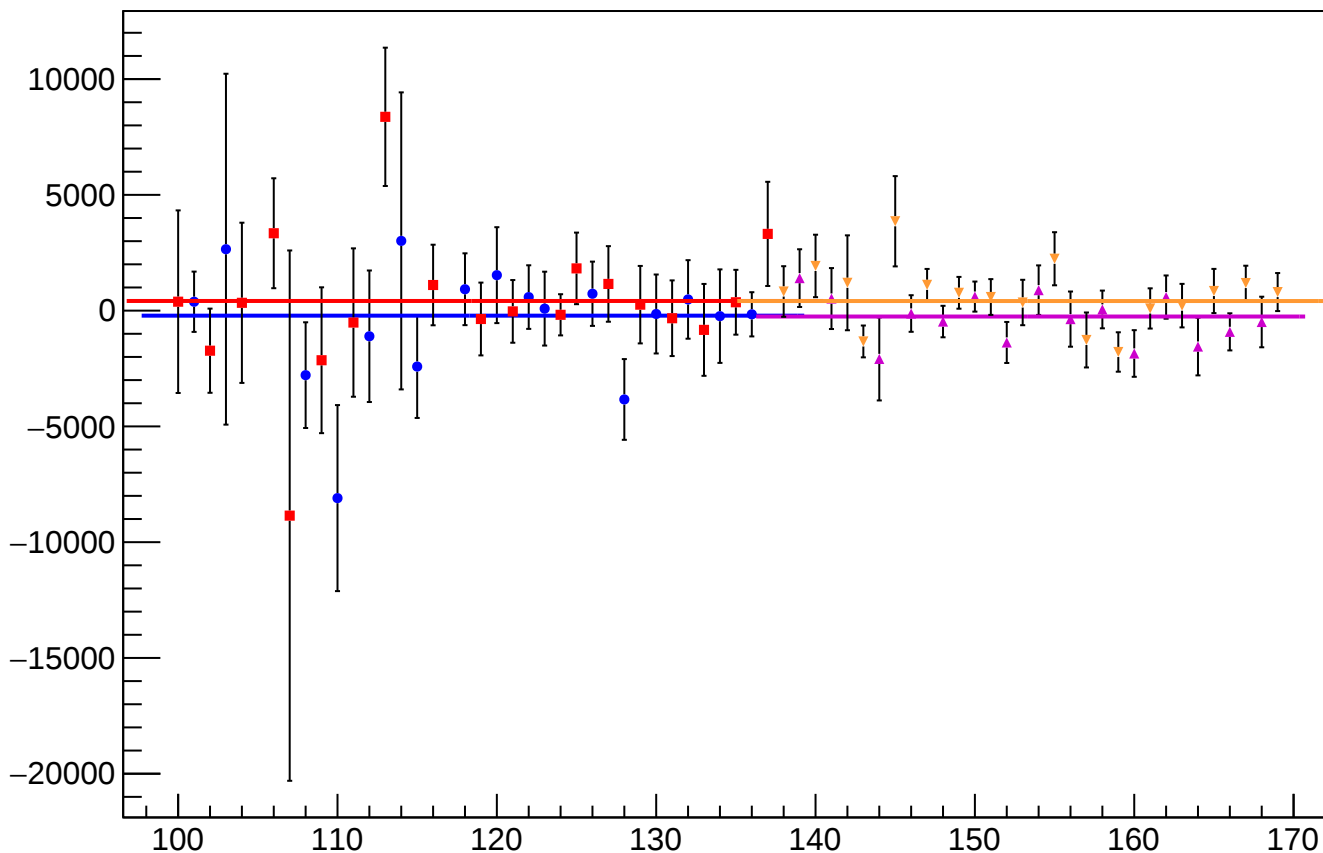
Left In: 2423.886+/-0.502 χ^2/NDF : 7557.0/14

+ sign 2486.658+/-0.402 χ^2/NDF : 346715.2/33

All: 2496.295+/-0.288 χ^2/NDF : 970925.6/67

- sign 2506.436+/-0.412 χ^2/NDF : 623031.2/33

asym_atl1_correction_mean vs Slug



Right In: -217.017+/-420.077 χ^2 /NDF: 13.4/16

Left Out: 414.494+/-220.130 χ^2 /NDF:25.4/16

Right Out: 417.202+/-408.976 χ^2 /NDF: 15.7/18

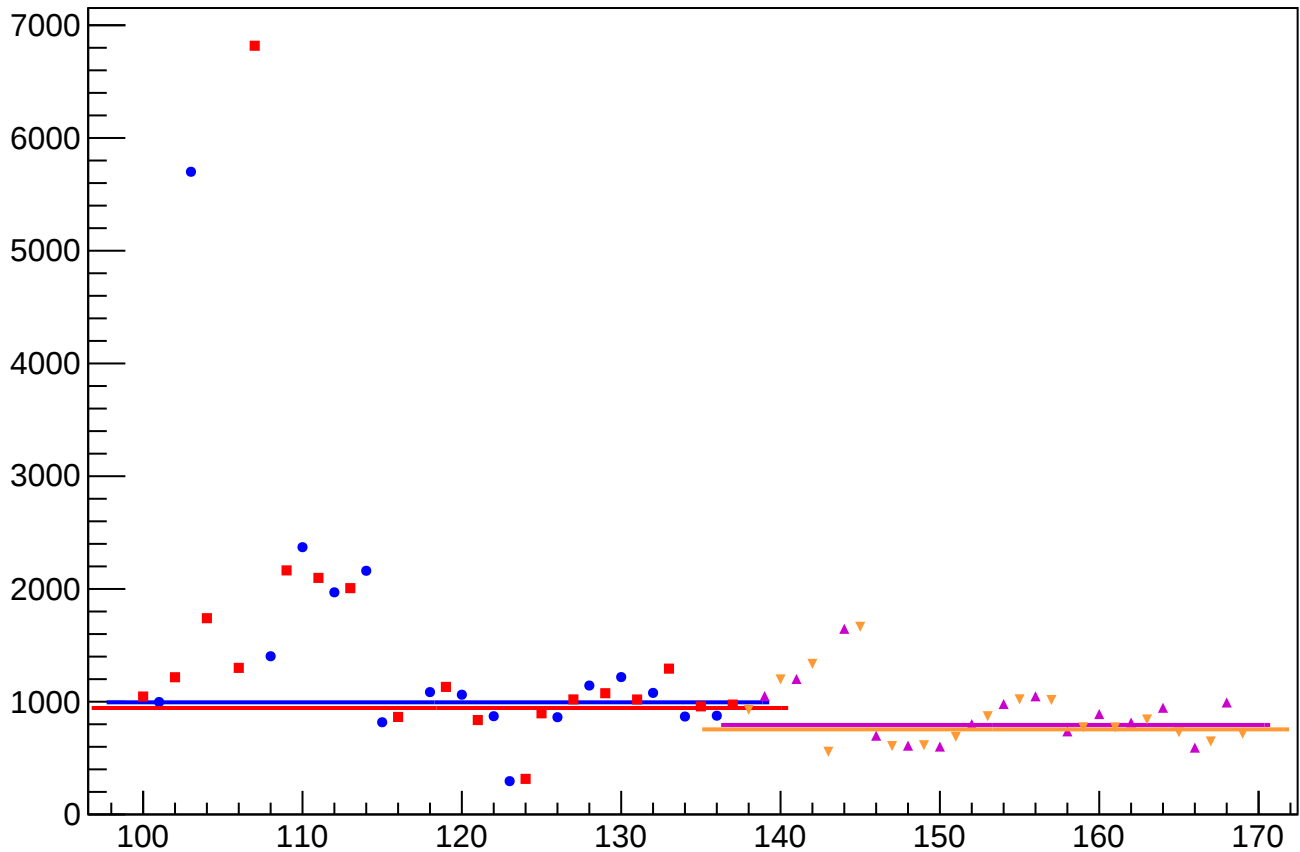
Left In: -254.245+/-241.128 χ^2 /NDF:13.1/14

+ sign 278.441+/-194.981 χ^2 /NDF: 40.6/33

All: 110.052+/-142.161 χ^2 /NDF: 72.9/67

- sign -81.046+/-207.714 χ^2 /NDF: 30.7/33

asym_atl1_correction_rms vs Slug



Right In: 994.541 $\pm$ 0.297 χ^2 /NDF: 1904549.2/16

Left Out: 754.652 $\pm$ 0.156 χ^2 /NDF:1519518.9/16

Right Out: 944.286 $\pm$ 0.289 χ^2 /NDF: 2666007.0/18

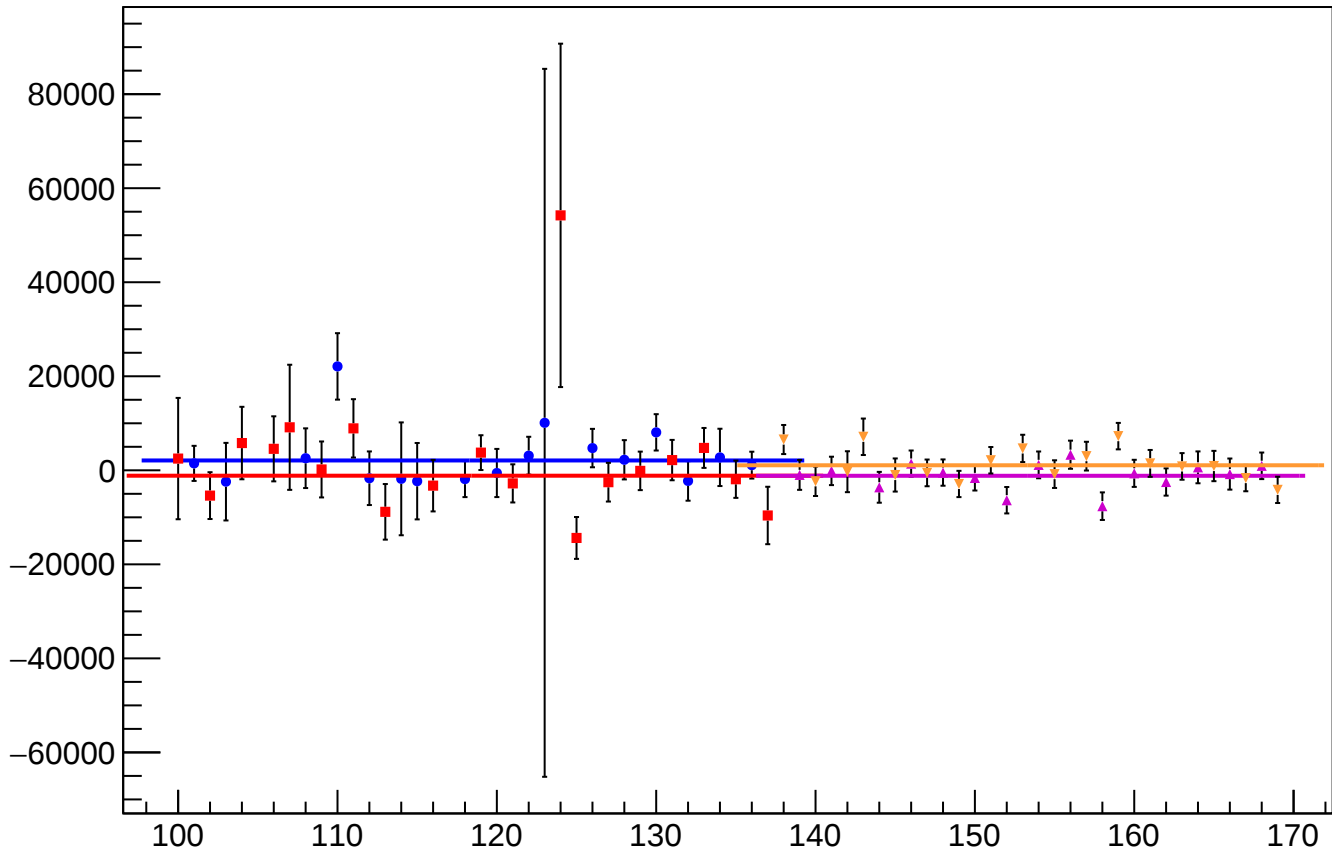
Left In: 793.802 $\pm$ 0.171 χ^2 /NDF:1480883.7/14

+ sign 806.334 $\pm$ 0.138 χ^2 /NDF: 3935769.7/33

All: 818.646 $\pm$ 0.101 χ^2 /NDF: 8300619.3/67

- sign 832.619 $\pm$ 0.147 χ^2 /NDF: 4347824.1/33

asym_atl1_mean vs Slug



Right In: 2094.050+/-1160.426 χ^2/NDF : 14.6/16

Left Out: 1070.494+/-735.160 χ^2/NDF : 21.3/16

Right Out: -1147.788+/-1187.007 χ^2/NDF : 25.1/18

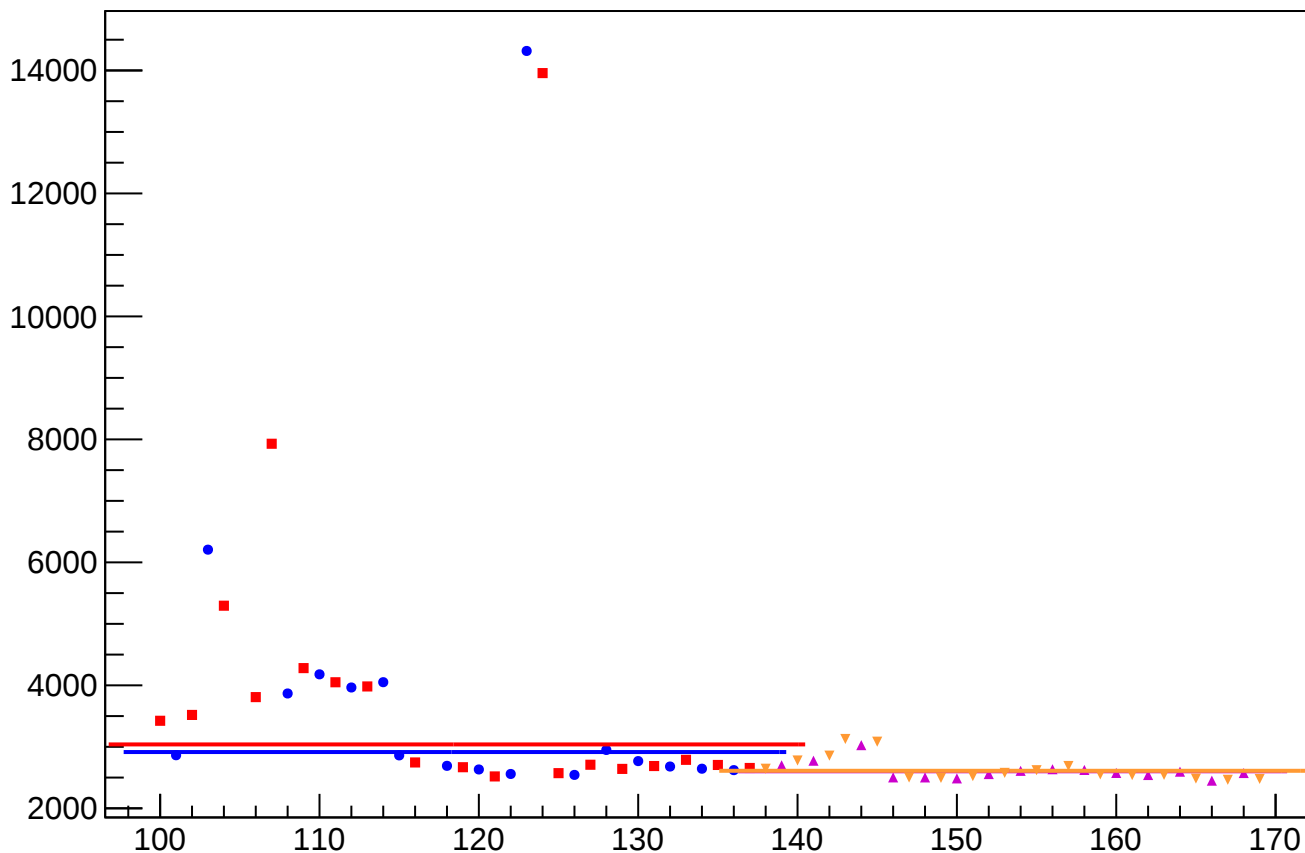
Left In: -1165.338+/-762.683 χ^2/NDF : 13.9/14

+ sign 1363.645+/-621.023 χ^2/NDF : 36.5/33

All: 142.935+/-446.243 χ^2/NDF : 83.6/67

- sign -1160.210+/-641.649 χ^2/NDF : 39.1/33

asym_atl1_rms vs Slug



Right In: 2915.201+/-0.821 χ^2 /NDF: 639136.4/16

Left Out: 2610.388+/-0.520 χ^2 /NDF: 110076.9/16

Right Out: 3039.139+/-0.839 χ^2 /NDF: 1011383.0/18

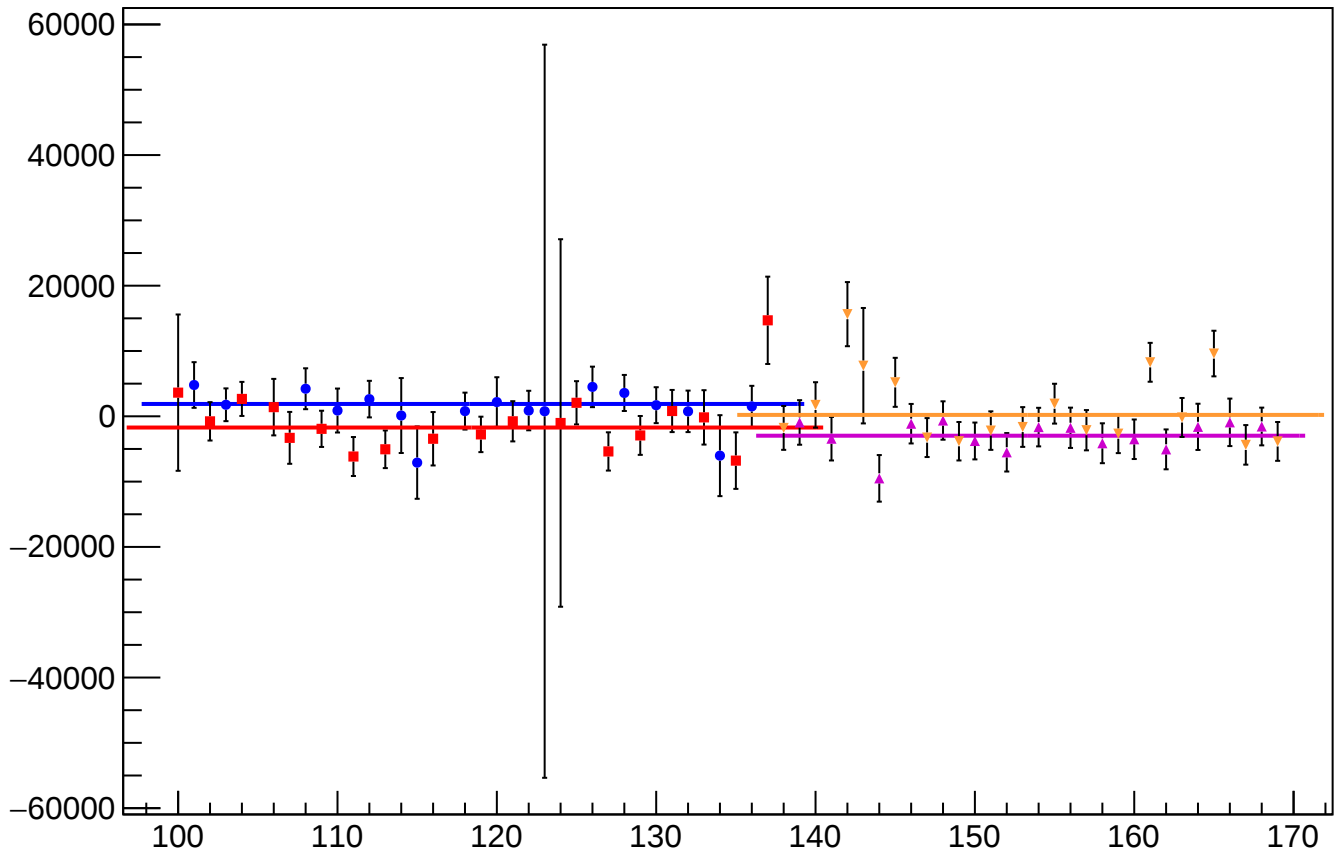
Left In: 2601.948+/-0.539 χ^2 /NDF: 57193.6/14

+ sign 2697.688+/-0.439 χ^2 /NDF: 847685.4/33

All: 2713.170+/-0.316 χ^2 /NDF: 2110863.5/67

- sign 2729.698+/-0.454 χ^2 /NDF: 1260608.0/33

reg_asym_atl2_mean vs Slug



Right In: 1889.943 ± 811.431 χ^2/NDF : 7.3/16

Left Out: 214.351 ± 790.094 χ^2/NDF : 37.7/16

Right Out: -1719.130 ± 790.110 χ^2/NDF : 19.0/18

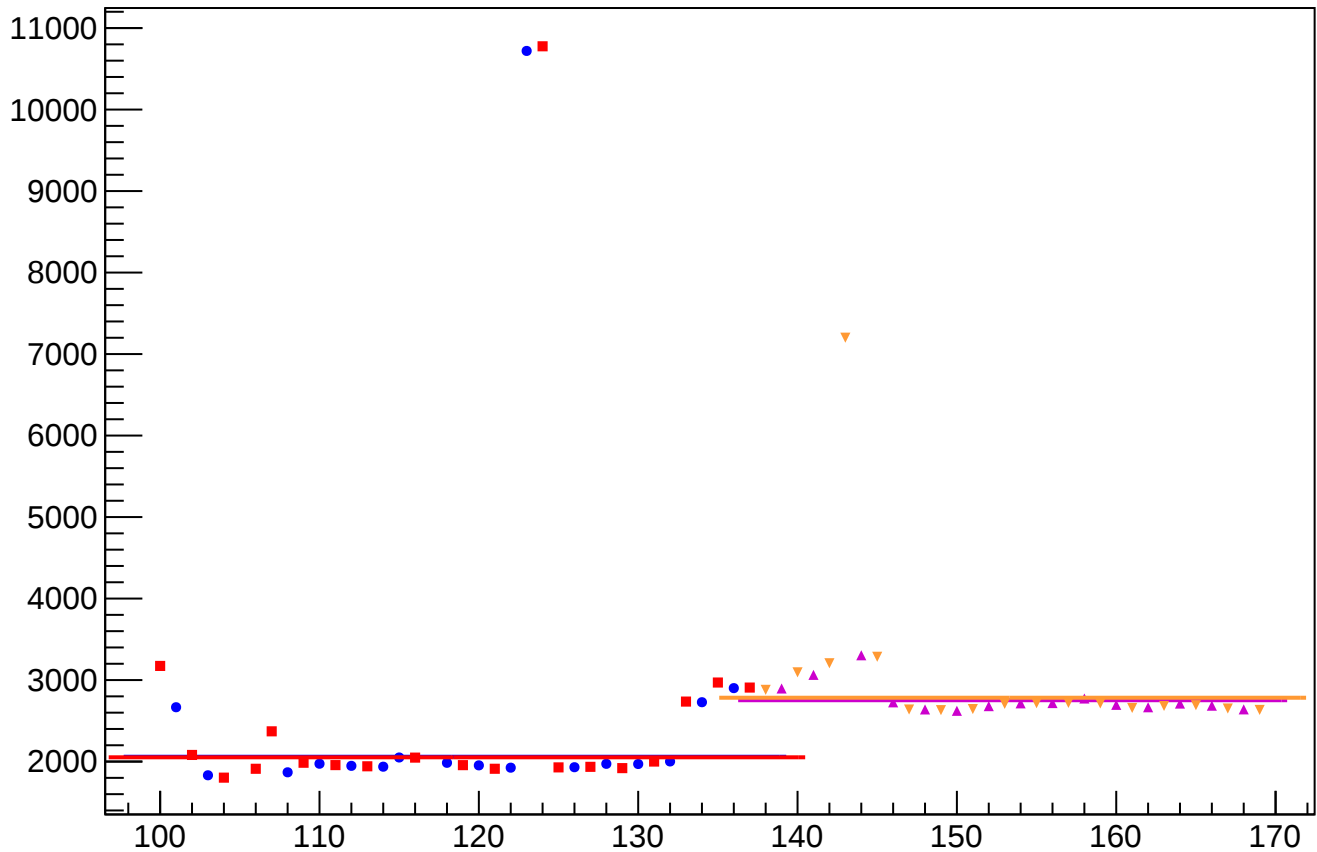
Left In: -2971.427 ± 805.962 χ^2/NDF : 7.2/14

+ sign 1029.828 ± 566.074 χ^2/NDF : 47.2/33

All: -657.043 ± 399.615 χ^2/NDF : 92.3/67

- sign -2332.842 ± 564.213 χ^2/NDF : 27.4/33

reg_asym_atl2_rms vs Slug



Right In: 2058.963+/-0.574 χ^2/NDF : 318561.5/16

Left Out: 2783.184+/-0.559 χ^2/NDF : 602891.1/16

Right Out: 2052.260+/-0.559 χ^2/NDF : 443321.6/18

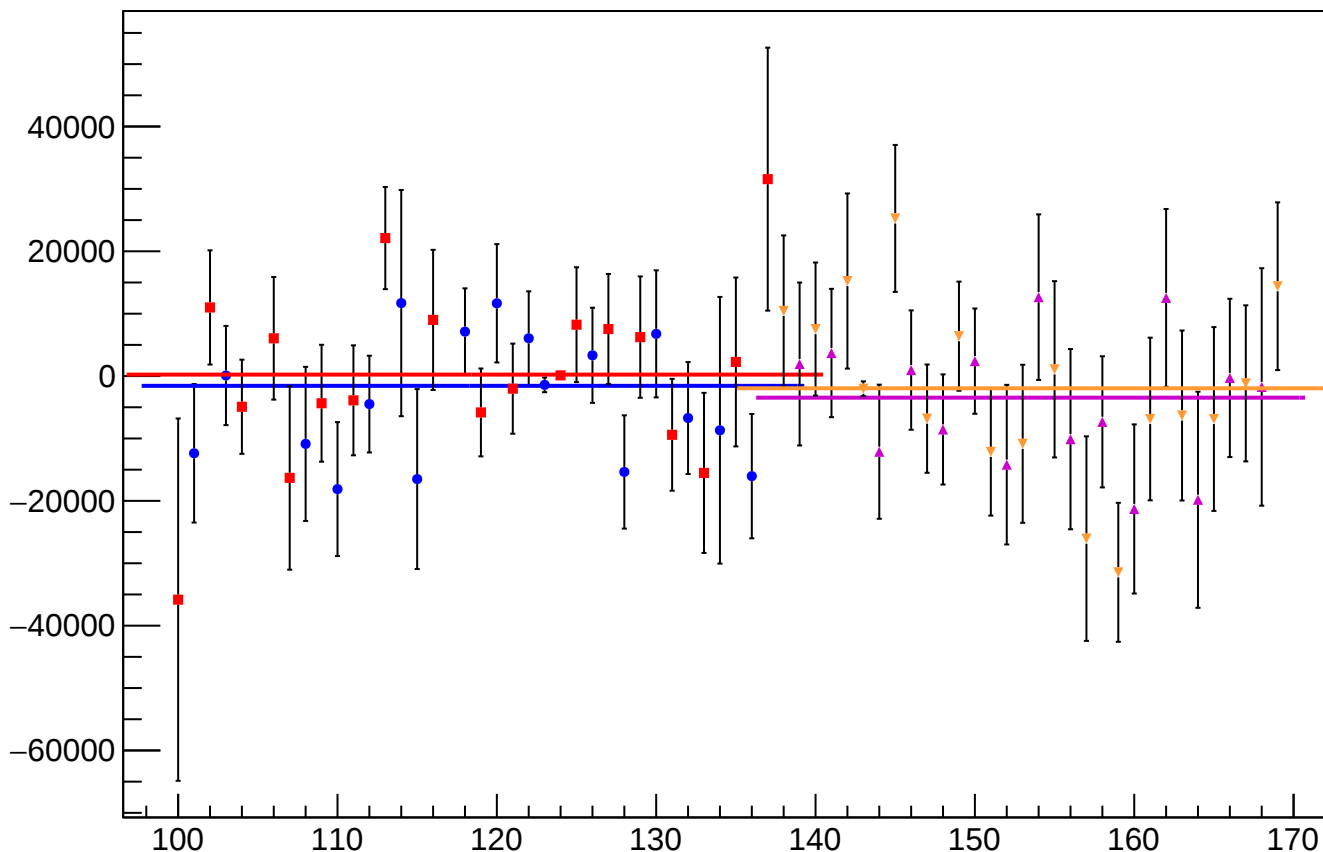
Left In: 2752.724+/-0.570 χ^2/NDF : 84301.0/14

+ sign 2430.720+/-0.400 χ^2/NDF : 1739272.4/33

All: 2413.069+/-0.283 χ^2/NDF : 3041119.2/67

- sign 2395.534+/-0.399 χ^2/NDF : 1297970.4/33

asym_atl2_correction_mean vs Slug



Right In: -1563.218 ± 1053.946 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -1953.861 ± 1097.886 $\chi^2/\text{NDF}: 22.5/16$

Right Out: 236.197 ± 695.167 $\chi^2/\text{NDF}: 20.8/18$

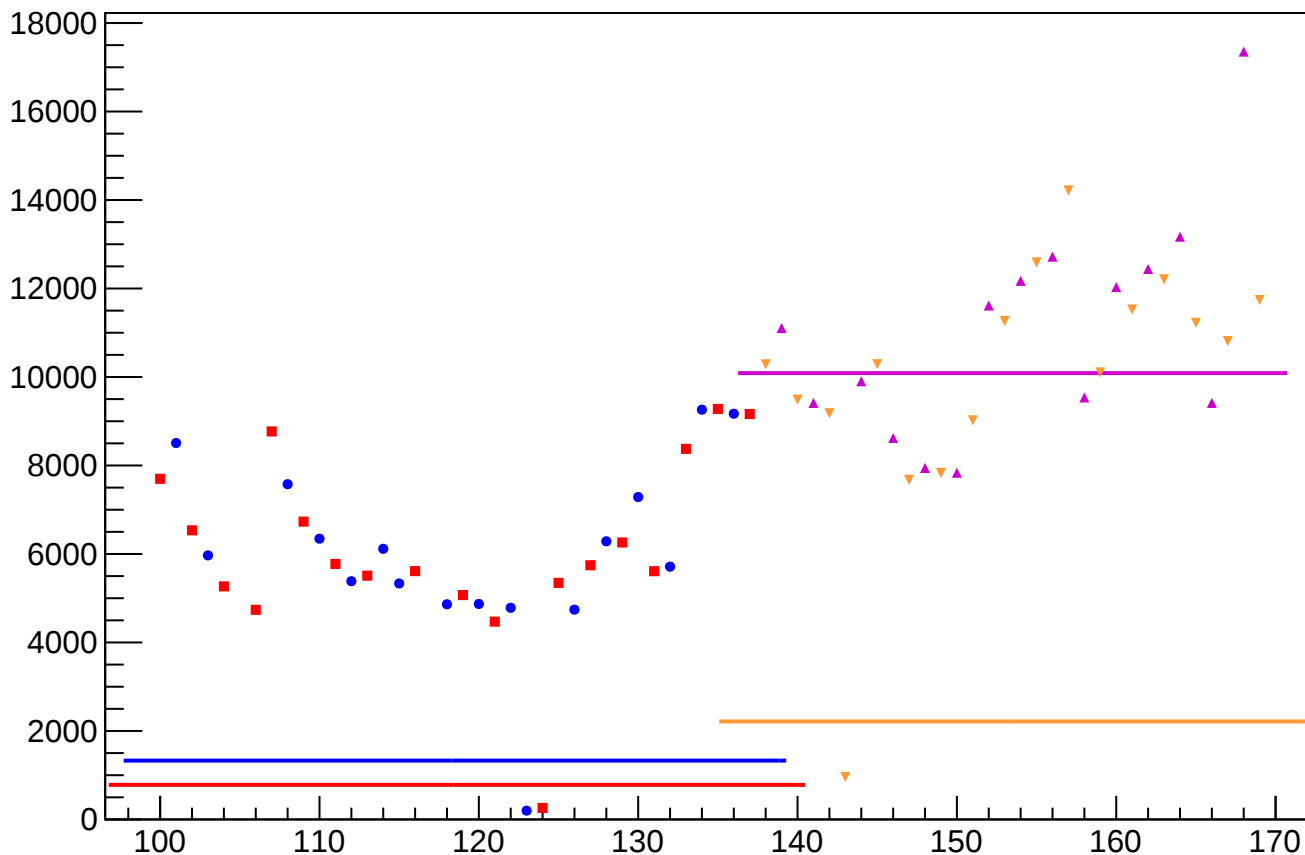
Left In: -3459.367 ± 3013.808 $\chi^2/\text{NDF}: 8.8/14$

+ sign -1750.566 ± 760.311 $\chi^2/\text{NDF}: 38.7/33$

All: -747.039 ± 505.769 $\chi^2/\text{NDF}: 72.9/67$

- sign 49.510 ± 677.381 $\chi^2/\text{NDF}: 31.0/33$

asym_atl2_correction_rms vs Slug



Right In: 1330.250+/-0.745 χ^2/NDF : 10046828.9/16

Left Out: 2214.679+/-0.776 χ^2/NDF : 16979038.9/16

Right Out: 781.848+/-0.492 χ^2/NDF : 11439893.7/18

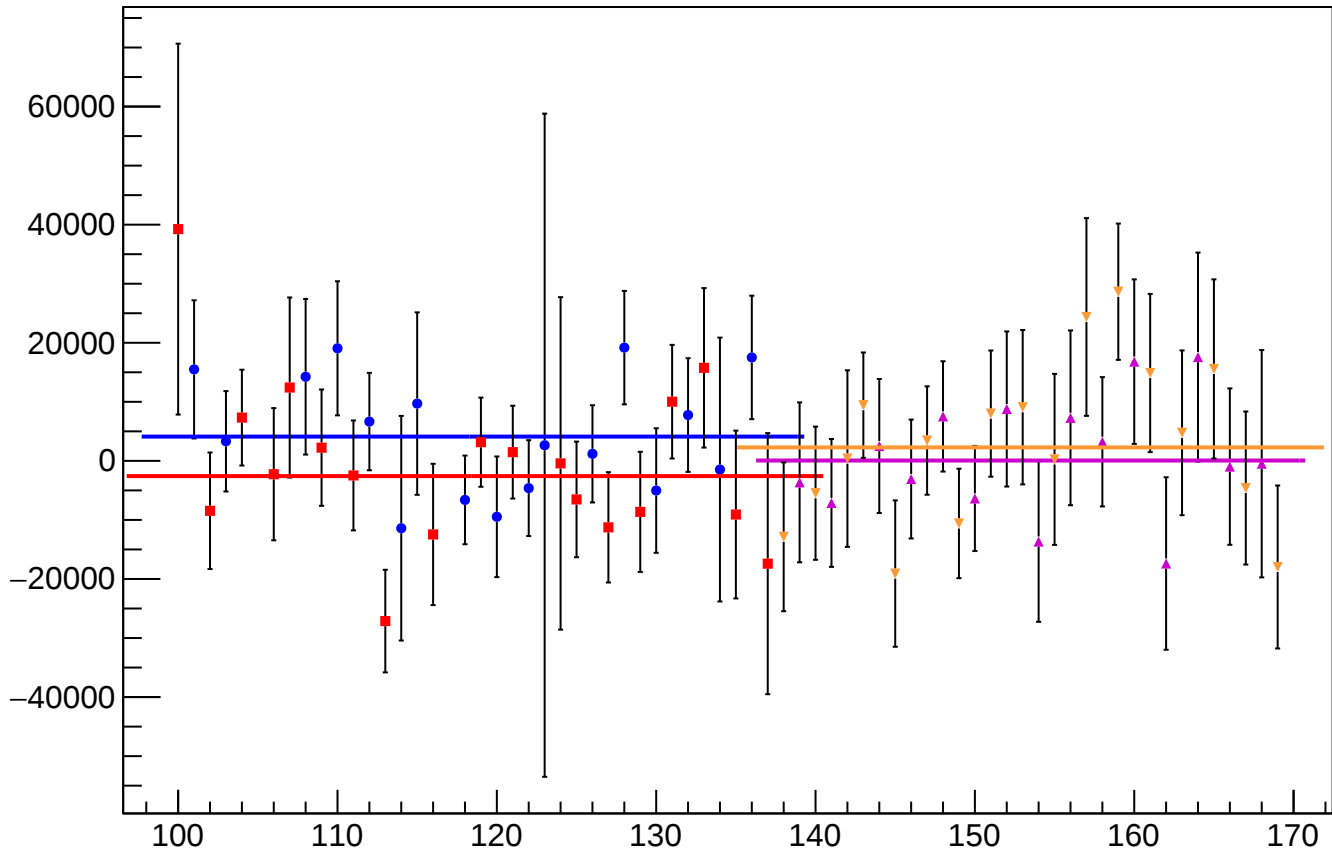
Left In: 10087.829+/-2.131 χ^2/NDF : 934929.2/14

+ sign 1754.412+/-0.538 χ^2/NDF : 27701310.4/33

All: 1474.296+/-0.358 χ^2/NDF : 58668577.1/6

- sign 1251.955+/-0.479 χ^2/NDF : 30480318.2/33

asym_atl2_mean vs Slug



Right In: 4111.784+/-2534.444 χ^2/NDF : 14.3/16

Left Out: 2282.997+/-2911.740 χ^2/NDF : 19.2/16

Right Out: -2577.719+/-2420.480 χ^2/NDF : 20.0/18

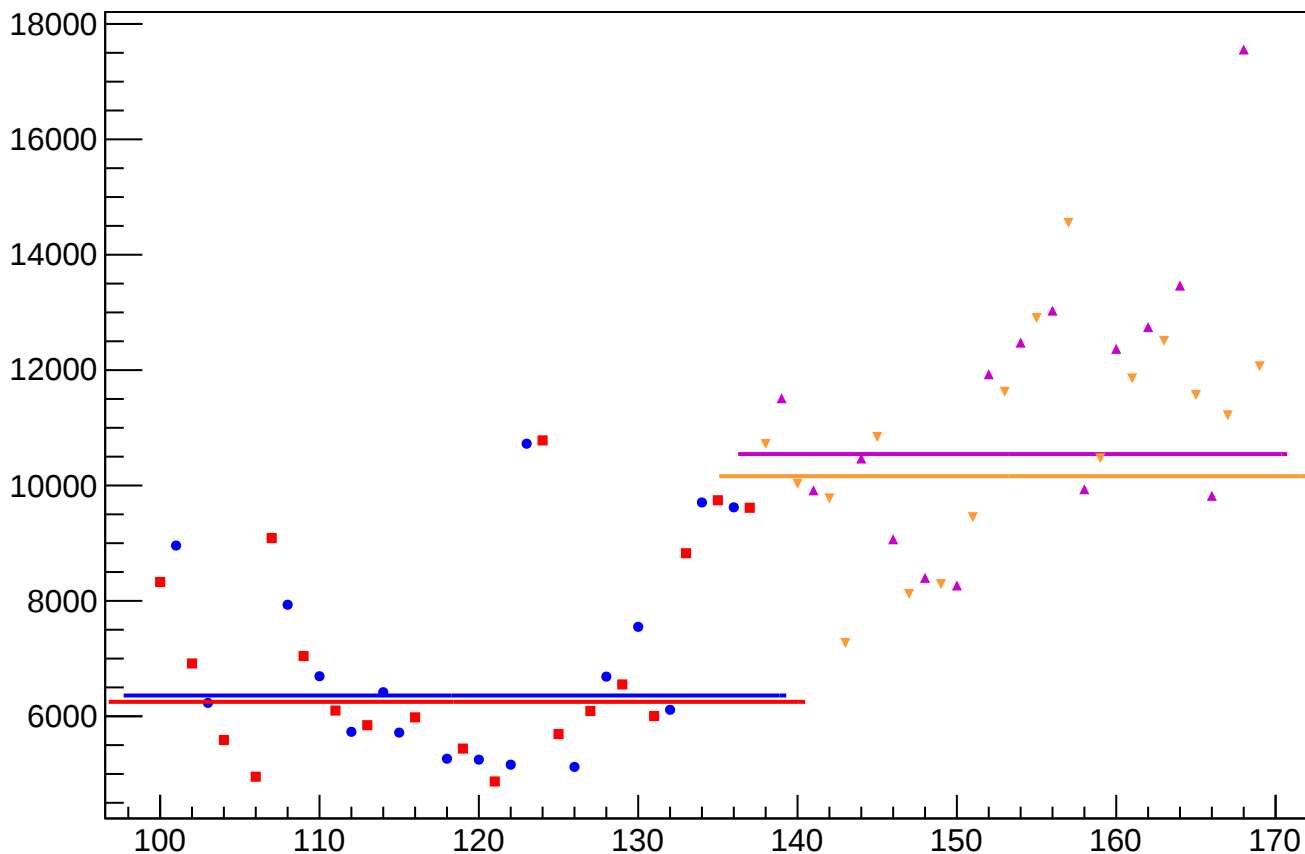
Left In: 61.040+/-3142.433 χ^2/NDF : 7.5/14

+ sign 3323.479+/-1911.694 χ^2/NDF : 33.7/33

All: 871.737+/-1353.848 χ^2/NDF : 64.9/67

- sign -1595.124+/-1917.580 χ^2/NDF : 27.9/33

asym_atl2_rms vs Slug



Right In: 6359.928+/-1.792 χ^2/NDF : 580471.0/16

Left Out: 10162.142+/-2.059 χ^2/NDF : 803749.4/16

Right Out: 6250.049+/-1.711 χ^2/NDF : 532966.2/18

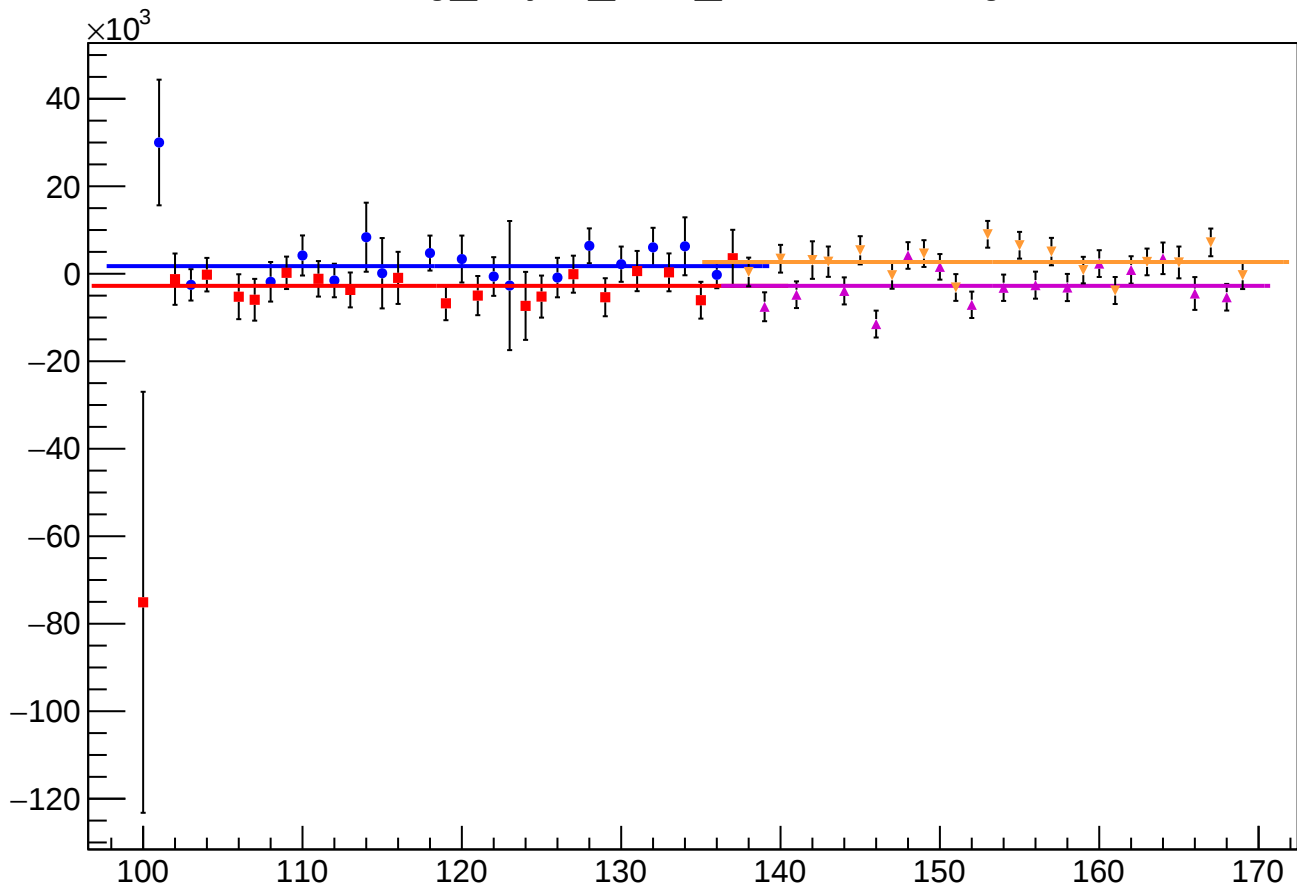
Left In: 10545.095+/-2.222 χ^2/NDF : 827570.9/14

+ sign 7998.878+/-1.352 χ^2/NDF : 3324529.3/33

All: 7924.318+/-0.957 χ^2/NDF : 7036220.2/67

- sign 7849.303+/-1.356 χ^2/NDF : 3705587.8/33

reg_asym_atr1_mean vs Slug



Right In: 1746.001 $\pm$ 1128.522 χ^2 /NDF: 12.2/16

Left Out: 2688.599 $\pm$ 777.066 χ^2 /NDF: 20.4/16

Right Out: -2763.863 $\pm$ 1071.947 χ^2 /NDF: 9.7/18

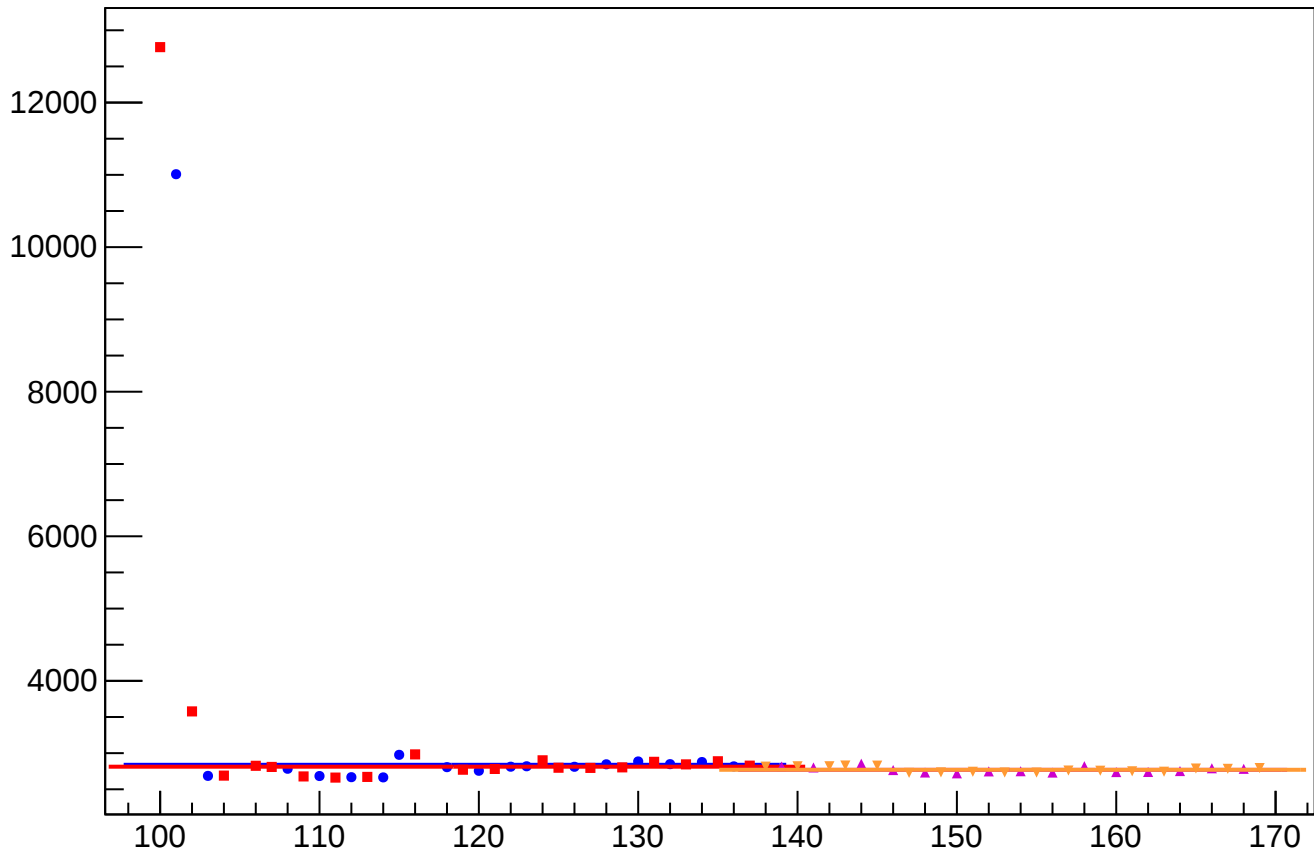
Left In: -2761.605 $\pm$ 809.053 χ^2 /NDF: 28.4/14

+ sign 2385.429 $\pm$ 640.015 χ^2 /NDF: 33.1/33

All: -165.471 $\pm$ 454.579 χ^2 /NDF: 103.2/67

- sign -2762.424 $\pm$ 645.767 χ^2 /NDF: 38.1/33

reg_asym_atr1_rms vs Slug



Right In: 2838.737 $\pm$ 0.798 χ^2 /NDF: 660209.3/16

Left Out: 2769.874 $\pm$ 0.549 χ^2 /NDF: 4218.1/16

Right Out: 2812.627 $\pm$ 0.758 χ^2 /NDF: 133064.0/18

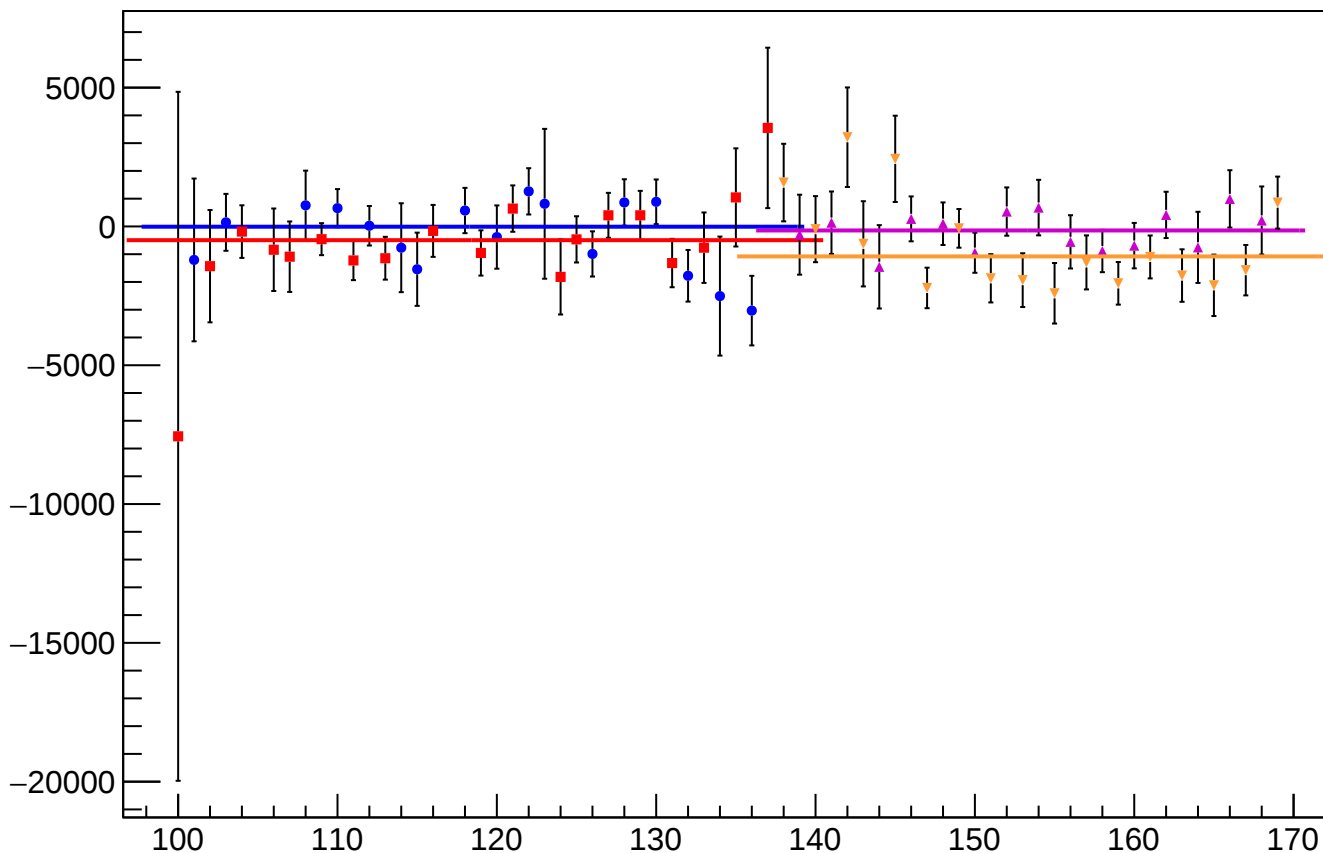
Left In: 2768.613 $\pm$ 0.572 χ^2 /NDF: 4519.8/14

+ sign 2792.023 $\pm$ 0.453 χ^2 /NDF: 669479.2/33

All: 2788.338 $\pm$ 0.321 χ^2 /NDF: 809345.0/67

- sign 2784.586 $\pm$ 0.457 χ^2 /NDF: 139732.0/33

asym_atr1_correction_mean vs Slug



Right In: -9.845 ± 241.678 χ^2/NDF : 20.7/16

Left Out: -1080.033 ± 234.075 χ^2/NDF : 30.5/16

Right Out: -495.250 ± 221.487 χ^2/NDF : 11.9/18

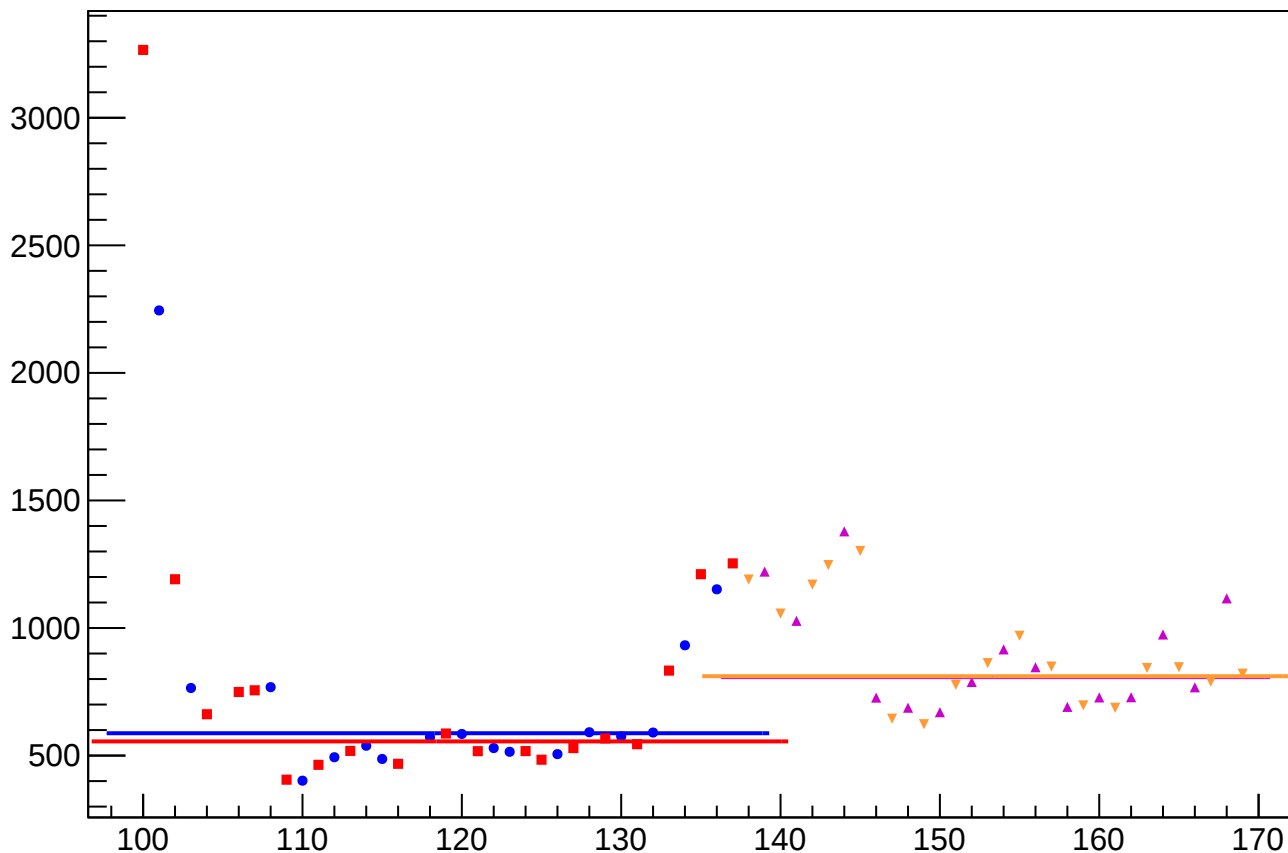
Left In: -144.679 ± 241.545 χ^2/NDF : 7.3/14

+ sign -562.038 ± 168.140 χ^2/NDF : 61.3/33

All: -445.230 ± 117.124 χ^2/NDF : 82.5/67

- sign -335.123 ± 163.246 χ^2/NDF : 20.3/33

asym_atr1_correction_rms vs Slug



Right In: 587.596 ± 0.171 χ^2/NDF : 1425769.6/16

Left Out: 811.102 ± 0.166 χ^2/NDF : 1078224.0/16

Right Out: 555.534 ± 0.157 χ^2/NDF : 1106760.5/18

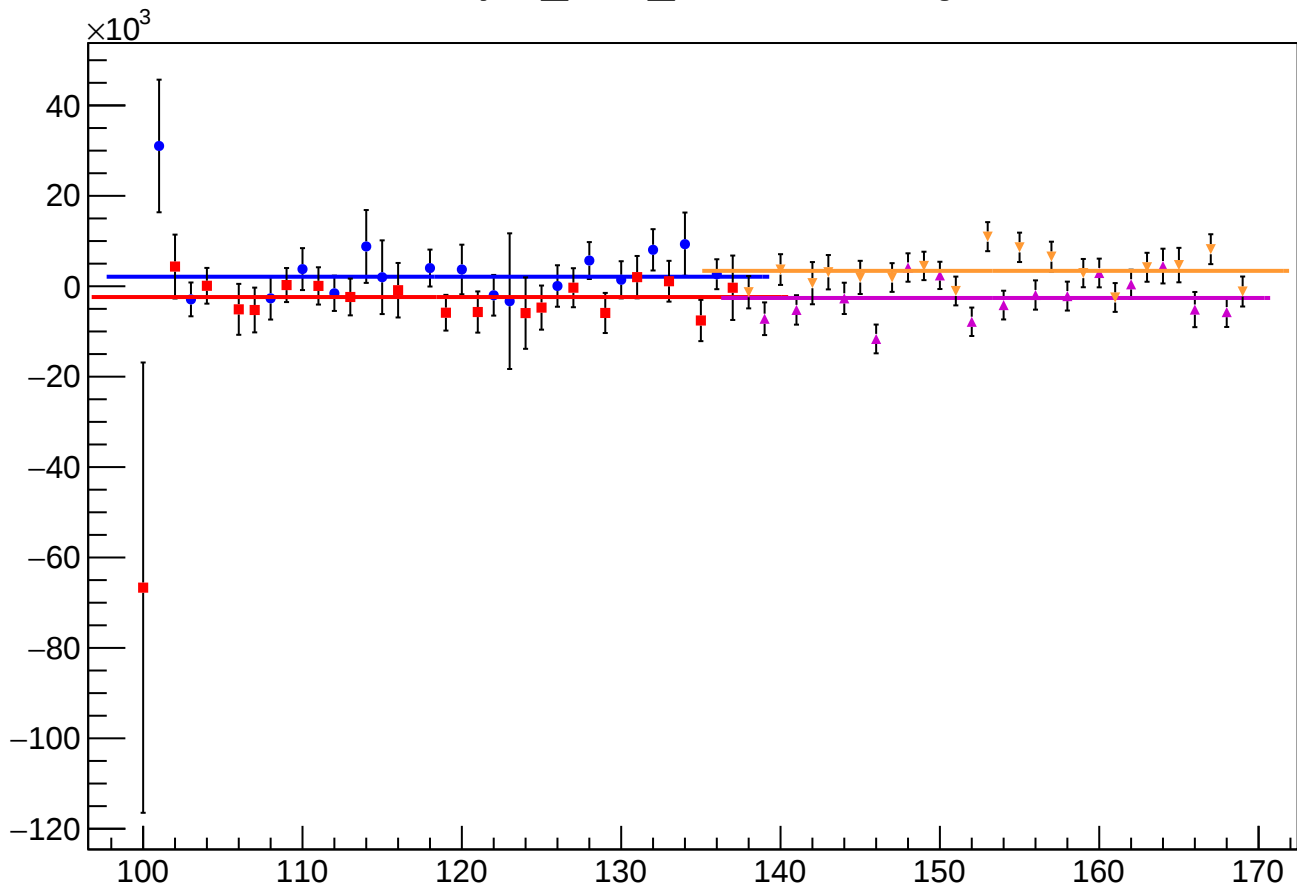
Left In: 807.521 ± 0.171 χ^2/NDF : 948261.6/14

+ sign 702.920 ± 0.119 χ^2/NDF : 3386588.8/33

All: 686.299 ± 0.083 χ^2/NDF : 6662016.4/67

- sign 670.632 ± 0.115 χ^2/NDF : 3237462.7/33

asym_atr1_mean vs Slug



Right In: 2108.498 ± 1164.336 χ^2/NDF : 13.5/16

Left Out: 3406.934 ± 820.329 χ^2/NDF : 21.2/16

Right Out: -2385.851 ± 1110.248 χ^2/NDF : 9.9/18

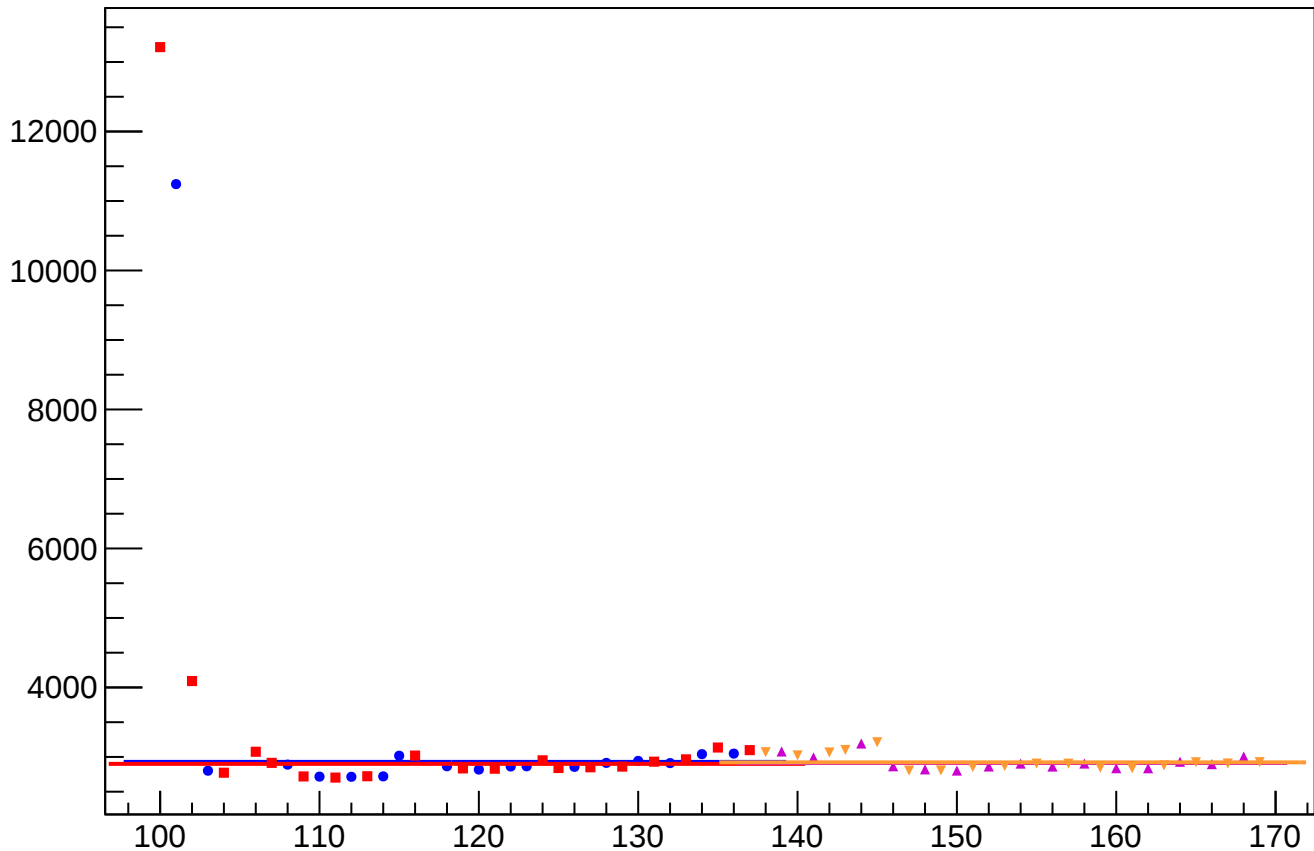
Left In: -2591.665 ± 851.722 χ^2/NDF : 29.5/14

+ sign 2976.212 ± 670.604 χ^2/NDF : 35.5/33

All: 251.489 ± 476.007 χ^2/NDF : 108.1/67

- sign -2515.415 ± 675.775 χ^2/NDF : 39.4/33

asym_atr1_rms vs Slug



Right In: 2928.700+/-0.823 χ^2/NDF : 662362.9/16

Left Out: 2921.965+/-0.580 χ^2/NDF : 33944.4/16

Right Out: 2900.472+/-0.785 χ^2/NDF : 169720.6/18

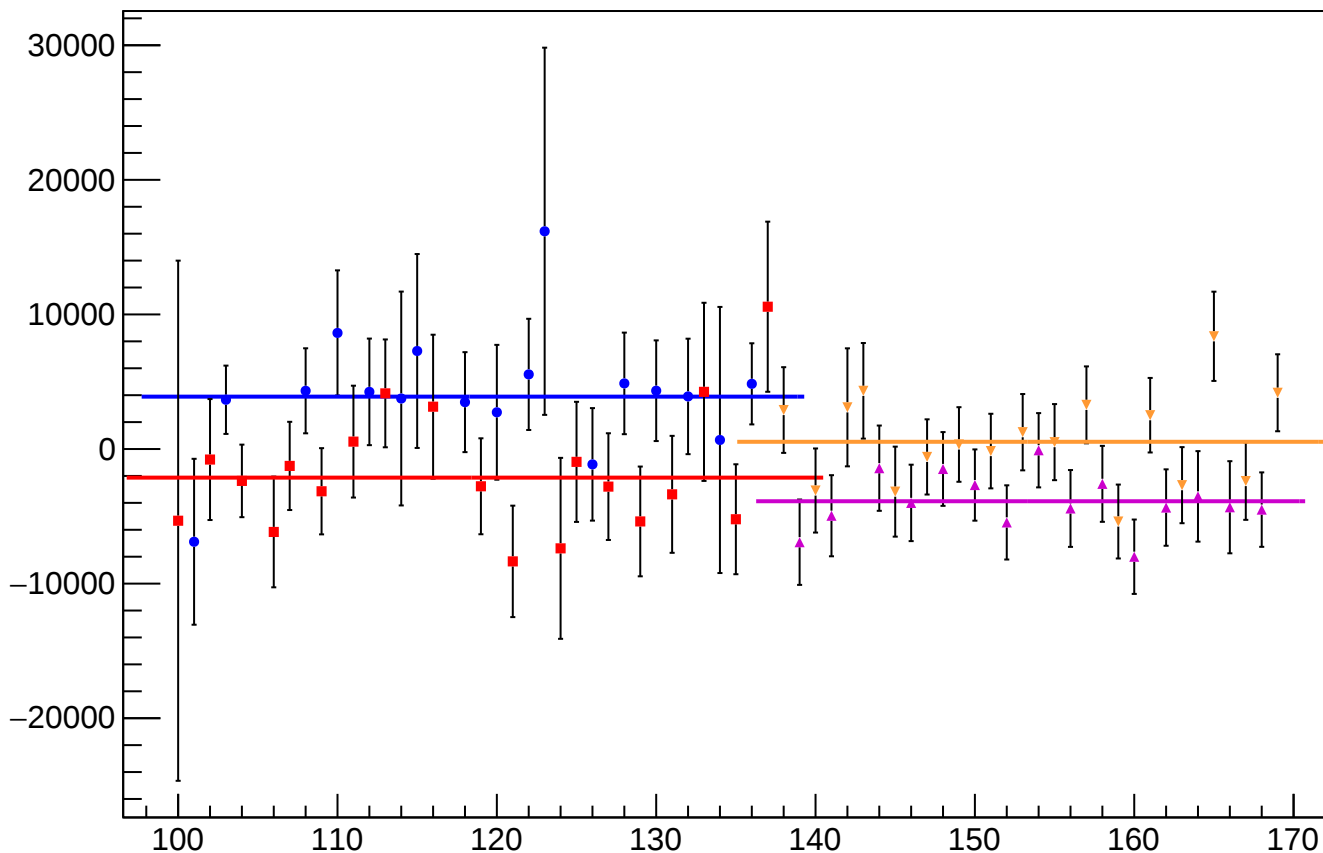
Left In: 2913.125+/-0.602 χ^2/NDF : 28278.7/14

+ sign 2924.199+/-0.474 χ^2/NDF : 696352.0/33

All: 2916.379+/-0.337 χ^2/NDF : 895063.0/67

- sign 2908.438+/-0.478 χ^2/NDF : 198162.8/33

reg_asym_atr2_mean vs Slug



Right In: 3892.504+/-1011.718 χ^2/NDF : 7.1/16

Left Out: 538.008+/-724.666 χ^2/NDF : 20.5/16

Right Out: -2124.700+/-958.418 χ^2/NDF : 14.3/18

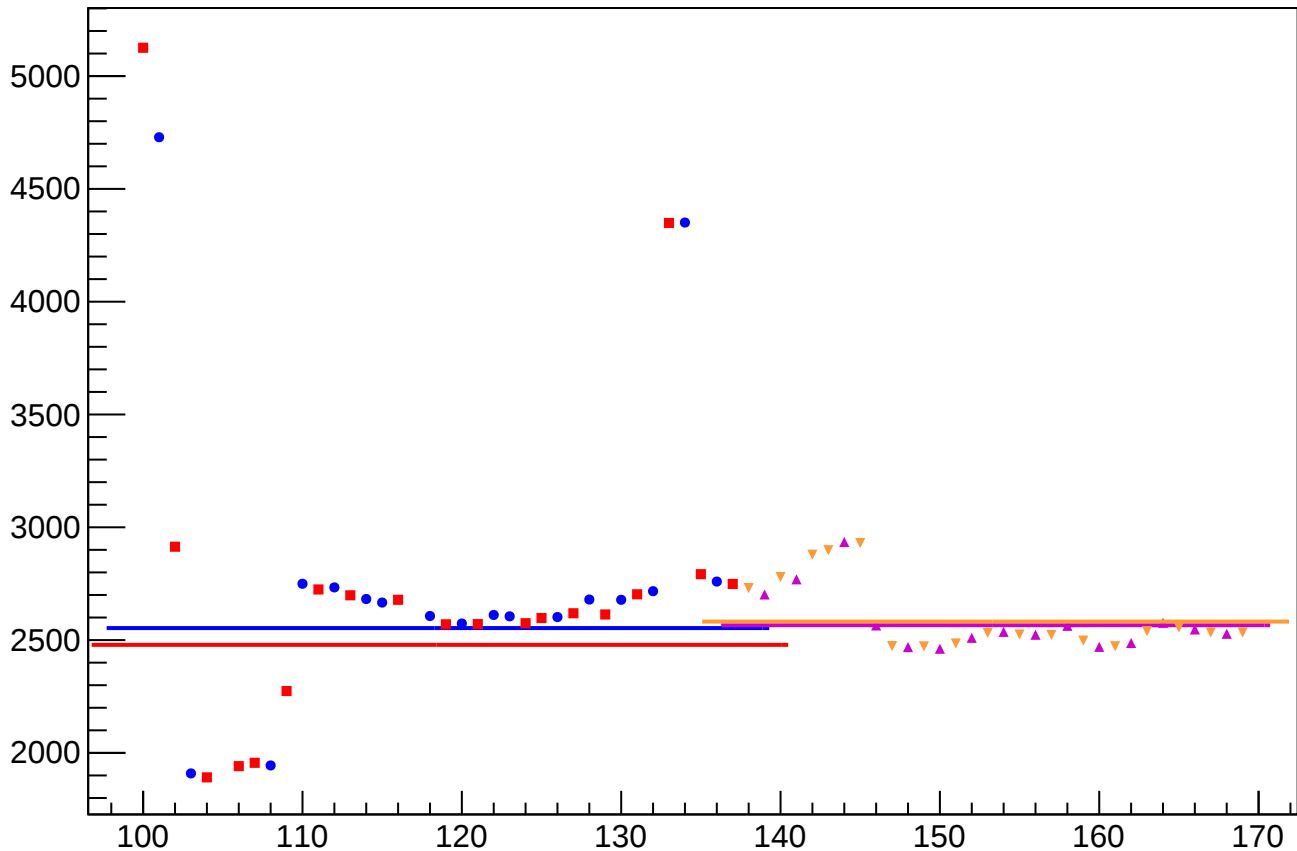
Left In: -3879.090+/-749.546 χ^2/NDF : 7.4/14

+ sign 1675.456+/-589.131 χ^2/NDF : 34.9/33

All: -763.542+/-417.036 χ^2/NDF : 93.1/67

- sign -3213.284+/-590.427 χ^2/NDF : 23.8/33

reg_asym_atr2_rms vs Slug



Right In: 2553.280+/-0.715 χ^2/NDF : 545226.9/16

Left Out: 2582.035+/-0.512 χ^2/NDF : 76664.8/16

Right Out: 2478.860+/-0.678 χ^2/NDF : 449502.6/18

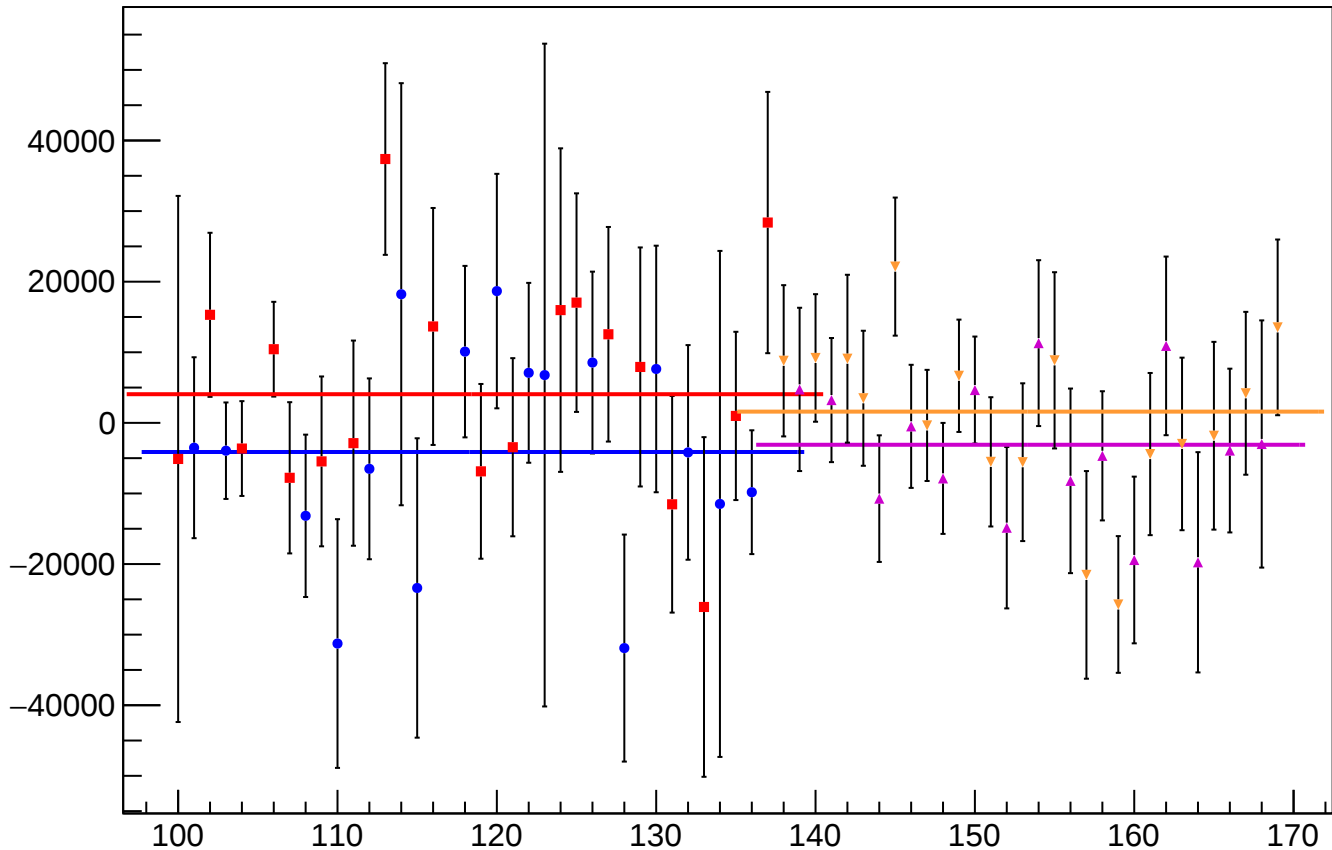
Left In: 2566.005+/-0.530 χ^2/NDF : 51457.5/14

+ sign 2572.285+/-0.417 χ^2/NDF : 622959.5/33

All: 2552.652+/-0.295 χ^2/NDF : 1138631.5/67

- sign 2532.933+/-0.417 χ^2/NDF : 511220.0/33

asym_atr2_correction_mean vs Slug



Right In: -4126.319 ± 3227.044 χ^2/NDF : 13.4/16

Left Out: 1594.189 ± 2524.599 χ^2/NDF : 19.7/16

Right Out: 4060.328 ± 2834.326 χ^2/NDF : 18.5/18

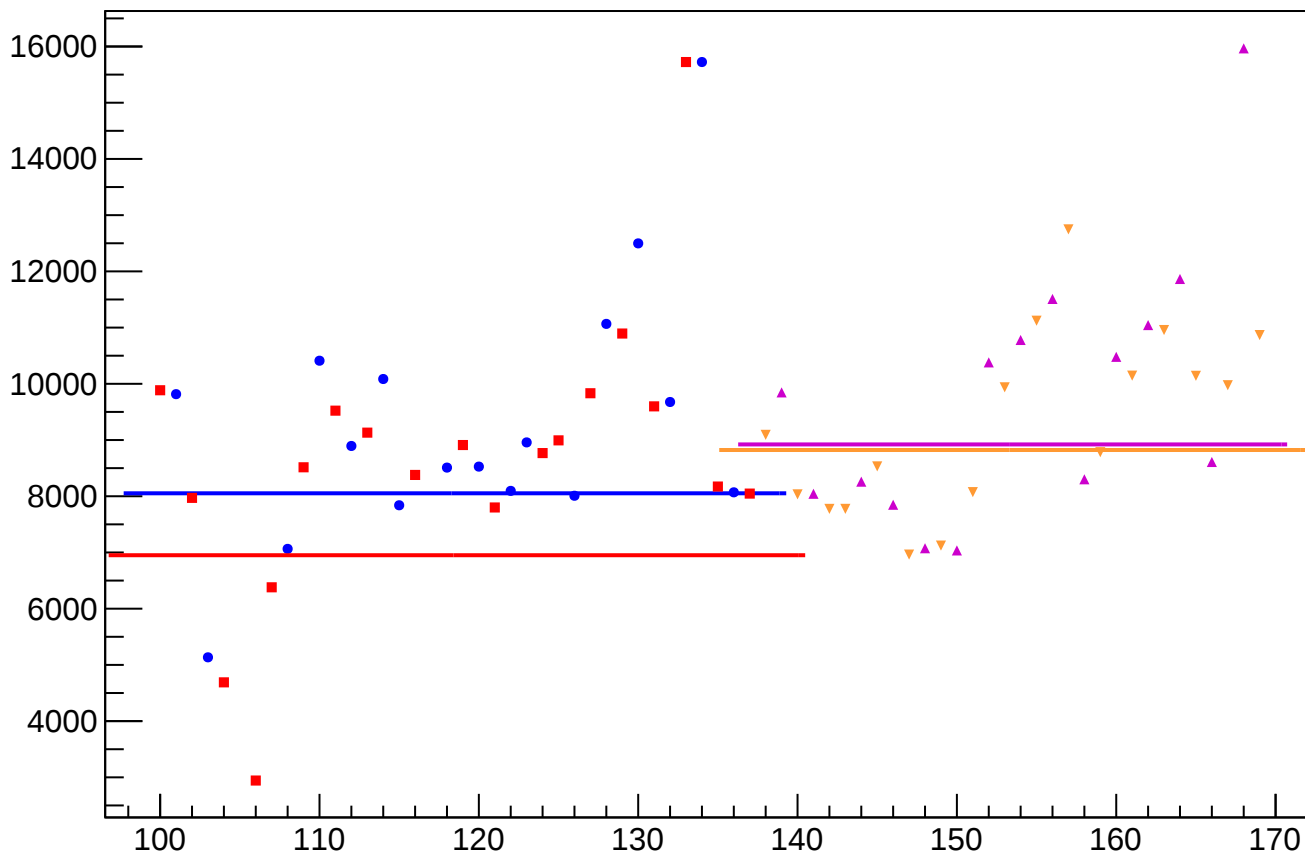
Left In: -3102.010 ± 2667.574 χ^2/NDF : 10.2/14

+ sign -577.691 ± 1988.408 χ^2/NDF : 35.0/33

All: -147.904 ± 1389.515 χ^2/NDF : 67.2/67

- sign 262.282 ± 1942.537 χ^2/NDF : 32.1/33

asym_atr2_correction_rms vs Slug



Right In: 8052.552 $\pm$ 2.282 χ^2 /NDF: 790724.2/16

Left Out: 8822.643 $\pm$ 1.785 χ^2 /NDF: 685556.4/16

Right Out: 6950.943 $\pm$ 2.004 χ^2 /NDF: 1776578.9/18

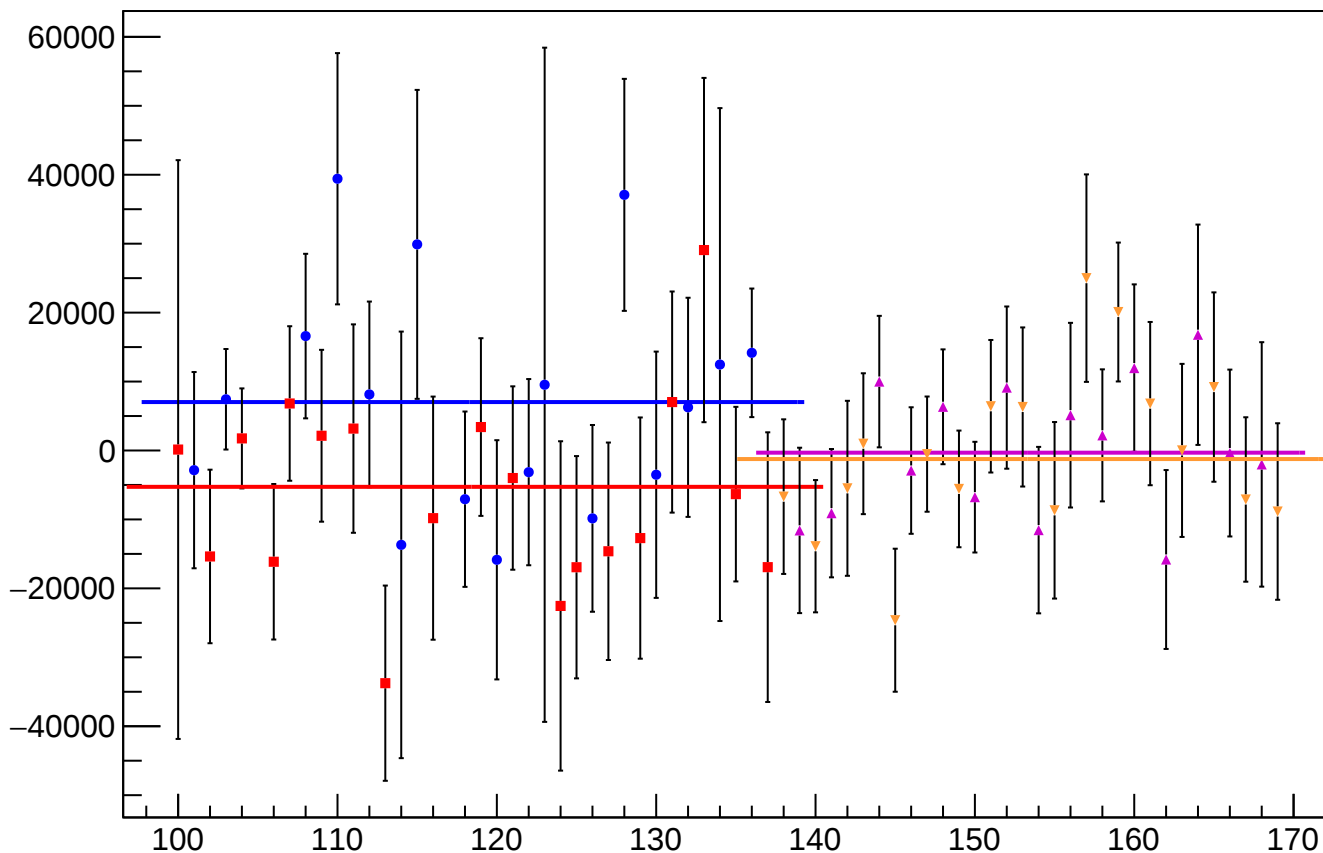
Left In: 8921.975 $\pm$ 1.886 χ^2 /NDF: 965873.1/14

+ sign 8530.266 $\pm$ 1.406 χ^2 /NDF: 1546933.7/33

All: 8256.972 $\pm$ 0.983 χ^2 /NDF: 4876113.9/67

- sign 7996.142 $\pm$ 1.374 χ^2 /NDF: 3255340.3/33

asym_atr2_mean vs Slug



Right In: 7025.400 $\pm$ 3409.490 χ^2/NDF : 15.0/16

Left Out: -1241.317 $\pm$ 2646.346 χ^2/NDF : 18.1/16

Right Out: -5271.793 $\pm$ 3168.195 χ^2/NDF : 13.4/18

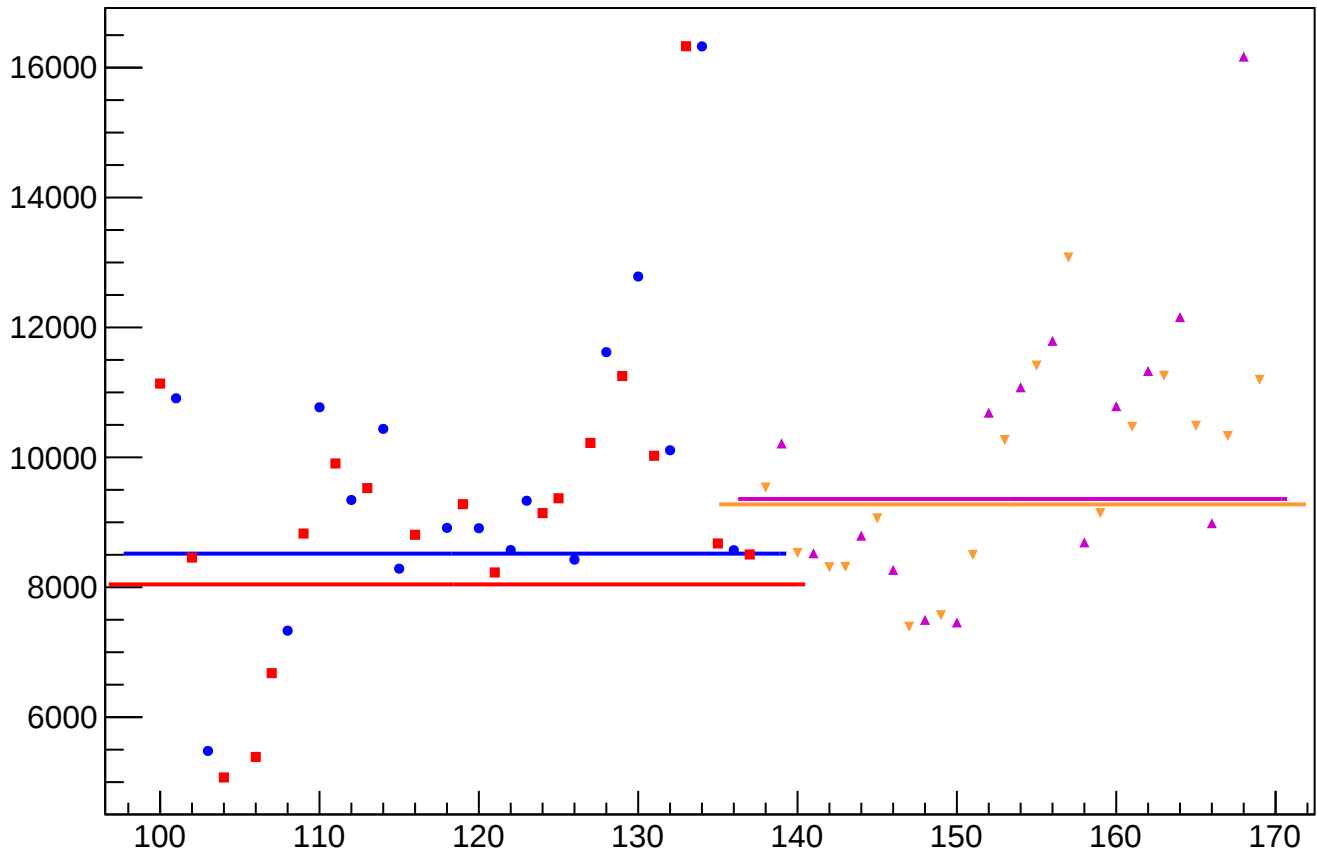
Left In: -317.076 $\pm$ 2789.700 χ^2/NDF : 9.7/14

+ sign 1866.572 $\pm$ 2090.526 χ^2/NDF : 36.7/33

All: -303.871 $\pm$ 1479.350 χ^2/NDF : 63.3/67

- sign -2480.934 $\pm$ 2093.712 χ^2/NDF : 24.4/33

asym_atr2_rms vs Slug



Right In: 8517.886+/-2.411 χ^2/NDF : 763281.4/16

Left Out: 9275.726+/-1.871 χ^2/NDF : 583947.6/16

Right Out: 8043.998+/-2.240 χ^2/NDF : 952125.8/18

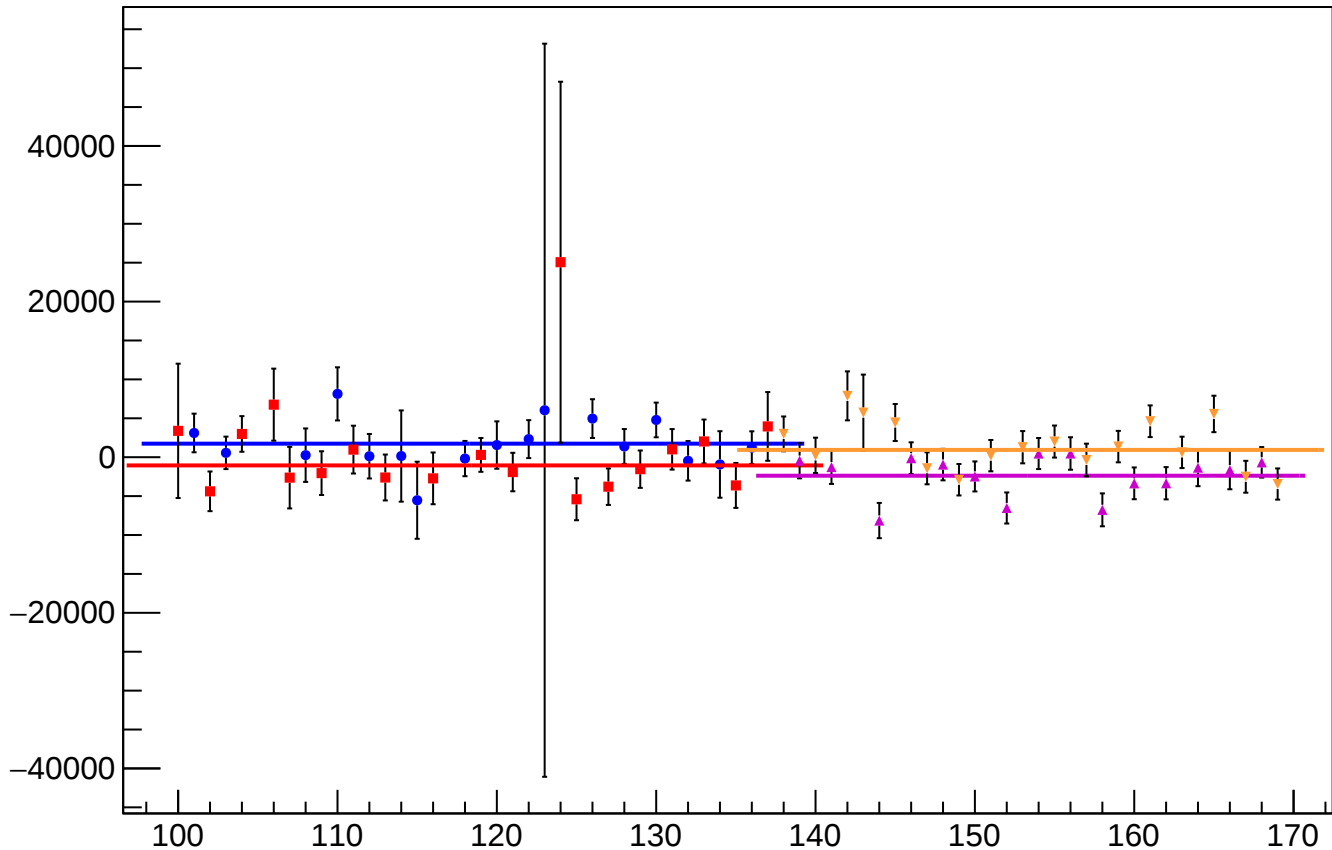
Left In: 9359.357+/-1.973 χ^2/NDF : 847690.9/14

+ sign 8990.815+/-1.478 χ^2/NDF : 1408891.9/33

All: 8888.003+/-1.046 χ^2/NDF : 3412589.7/67

- sign 8784.881+/-1.480 χ^2/NDF : 1994008.6/33

reg_asym_atl_avg_mean vs Slug



Right In: 1739.640 ± 670.395 χ^2/NDF : 12.4/16

Left Out: 936.895 ± 531.582 χ^2/NDF : 29.6/16

Right Out: -1055.584 ± 670.984 χ^2/NDF : 18.9/18

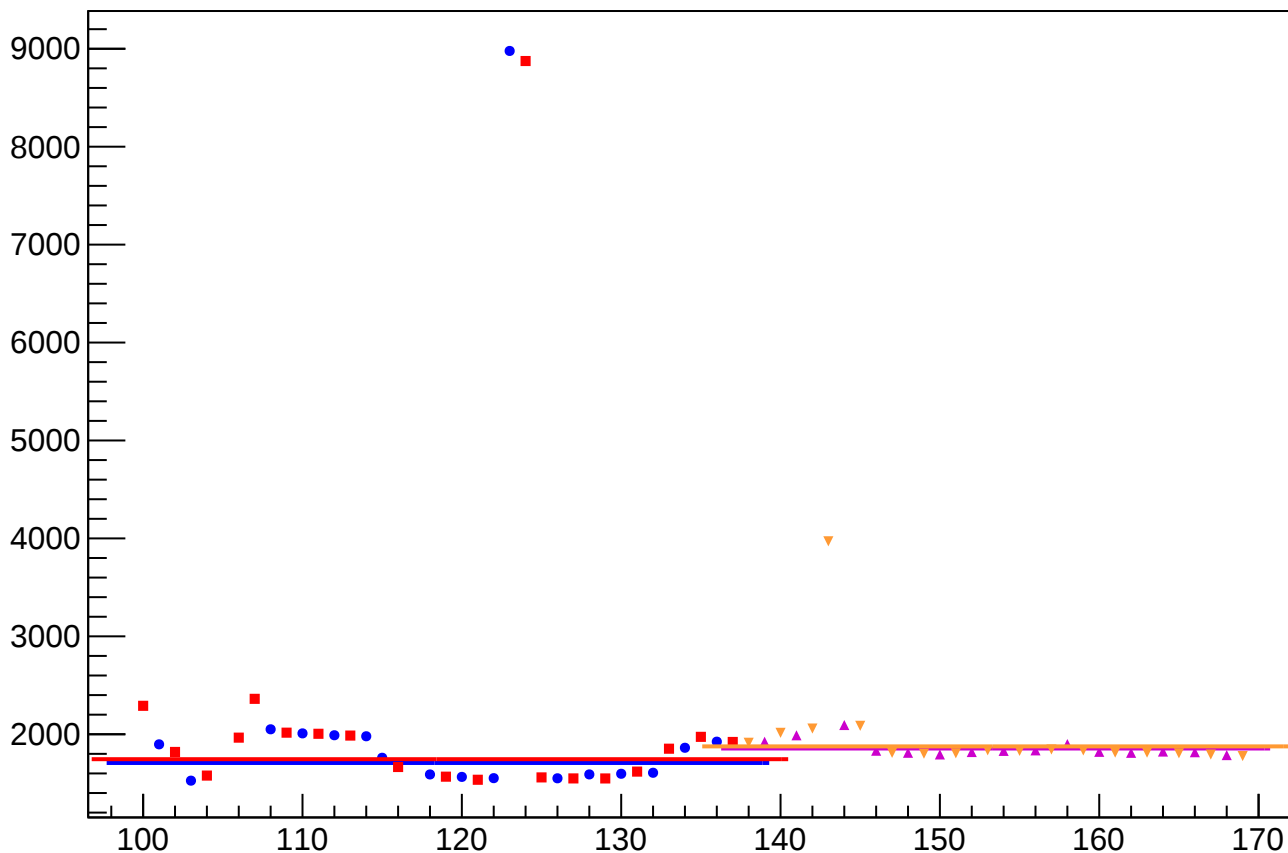
Left In: -2380.683 ± 543.573 χ^2/NDF : 23.2/14

+ sign 1246.781 ± 416.526 χ^2/NDF : 42.9/33

All: -282.824 ± 296.572 χ^2/NDF : 114.6/67

- sign -1855.629 ± 422.367 χ^2/NDF : 44.4/33

reg_asym_atl_avg_rms vs Slug



Right In: 1706.867+/-0.474 χ^2/NDF : 197555.1/16

Left Out: 1876.187+/-0.376 χ^2/NDF : 421698.3/16

Right Out: 1745.434+/-0.472 χ^2/NDF : 399811.9/18

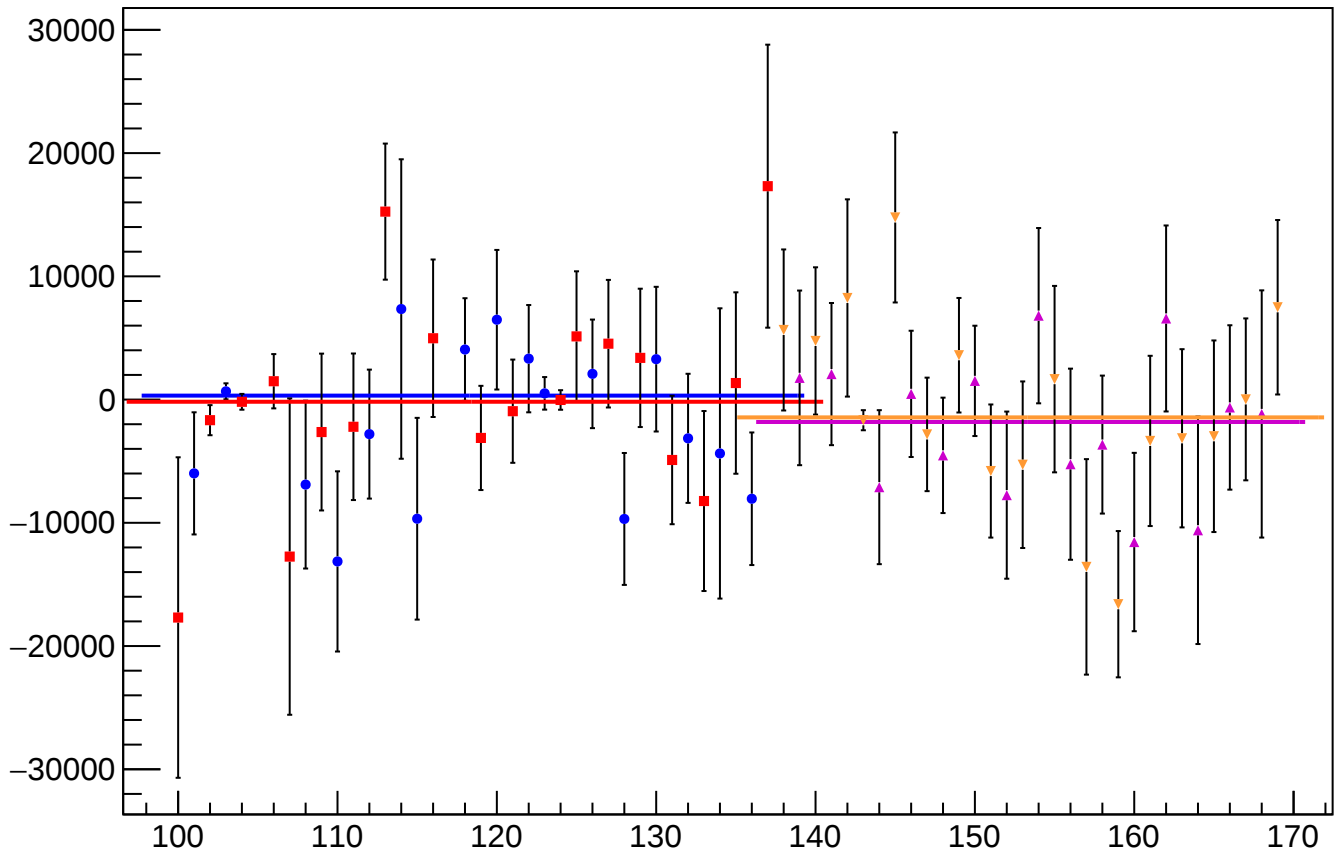
Left In: 1854.521+/-0.384 χ^2/NDF : 41816.3/14

+ sign 1810.824+/-0.295 χ^2/NDF : 697583.7/33

All: 1810.942+/-0.210 χ^2/NDF : 1171301.4/67

- sign 1811.064+/-0.298 χ^2/NDF : 473717.4/33

asym_atl_avg_correction_mean vs Slug



Right In: 320.899 $\pm$ 540.384 χ^2 /NDF: 18.0/16

Left Out: -1445.149 $\pm$ 724.902 χ^2 /NDF:22.0/16

Right Out: -176.640 $\pm$ 433.552 χ^2 /NDF: 20.8/18

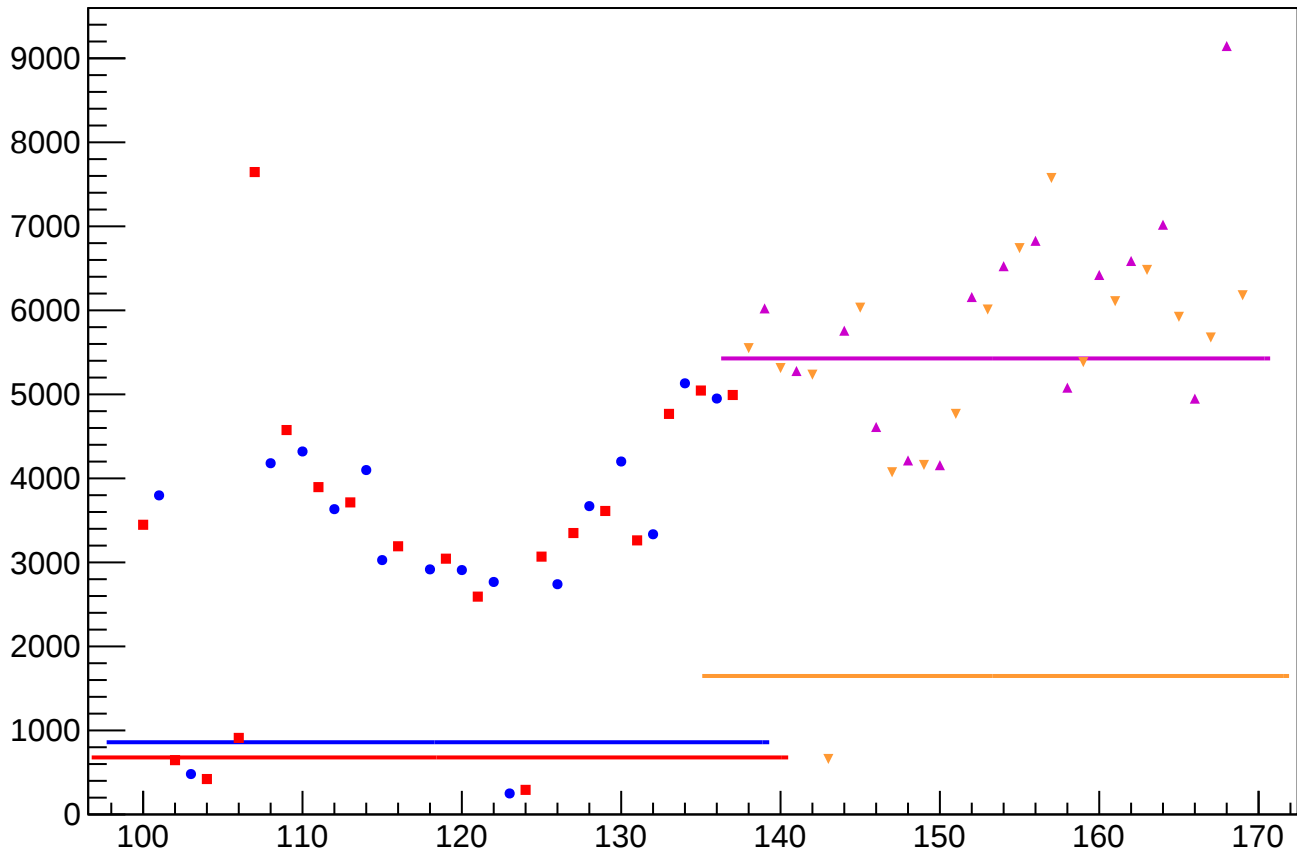
Left In: -1818.904 $\pm$ 1622.093 χ^2 /NDF:9.0/14

+ sign -309.943 $\pm$ 433.250 χ^2 /NDF: 43.8/33

All: -297.638 $\pm$ 301.133 χ^2 /NDF: 74.6/67

- sign -286.138 $\pm$ 418.849 χ^2 /NDF: 30.8/33

asym_atl_avg_correction_rms vs Slug



Right In: 859.557 $\pm$ 0.382 χ^2 /NDF: 8143264.5/16

Left Out: 1648.149 $\pm$ 0.513 χ^2 /NDF: 14775422.5/16

Right Out: 678.603 $\pm$ 0.307 χ^2 /NDF: 8384814.2/18

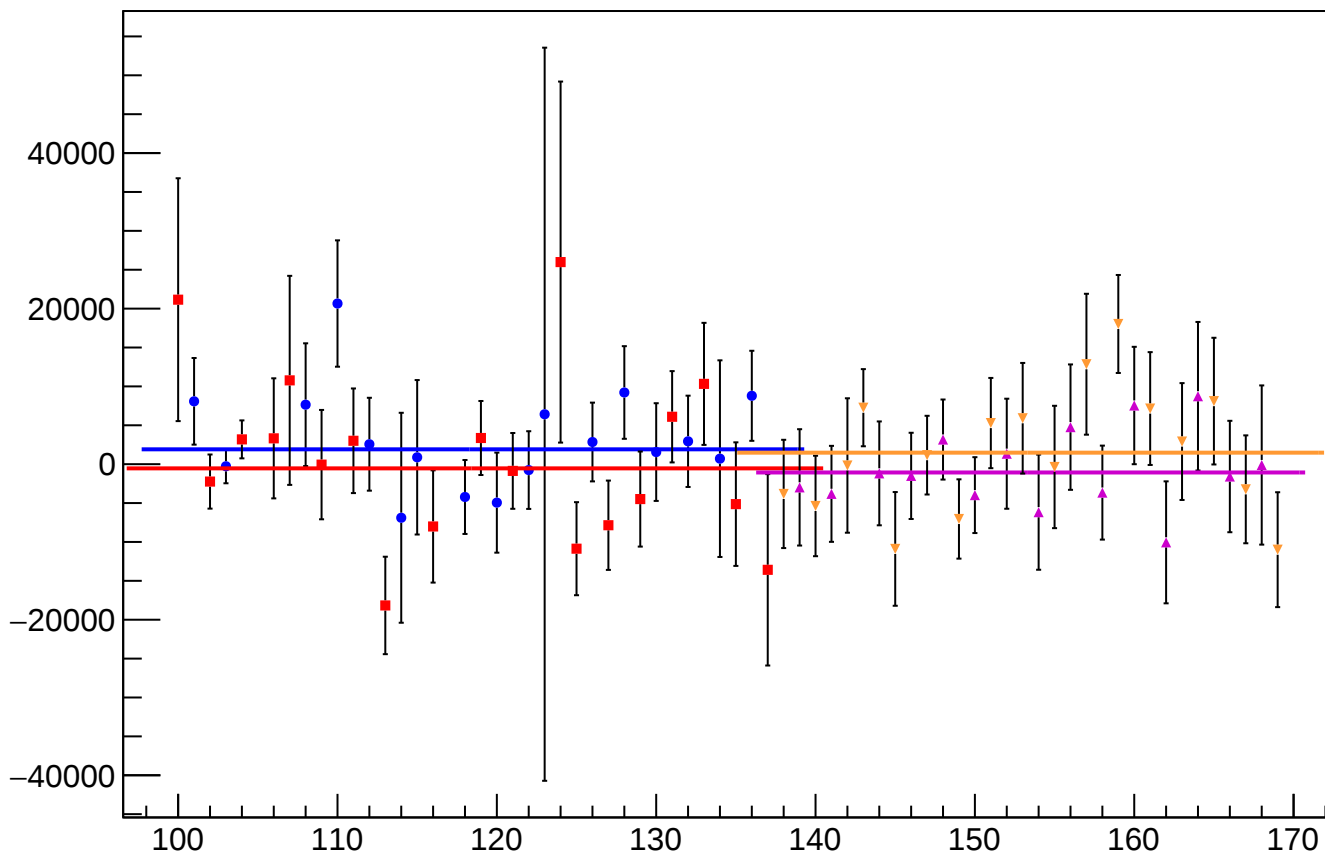
Left In: 5427.713 $\pm$ 1.147 χ^2 /NDF: 940741.2/14

+ sign 1141.247 $\pm$ 0.306 χ^2 /NDF: 24440104.6/33

All: 1065.782 $\pm$ 0.213 χ^2 /NDF: 49883643.2/6

- sign 995.250 $\pm$ 0.296 χ^2 /NDF: 25326145.7/33

asym_atl_avg_mean vs Slug



Right In: 1909.348+/-1310.219 χ^2/NDF : 14.6/16

Left Out: 1479.748+/-1603.728 χ^2/NDF : 22.7/16

Right Out: -539.549+/-1285.817 χ^2/NDF : 26.4/18

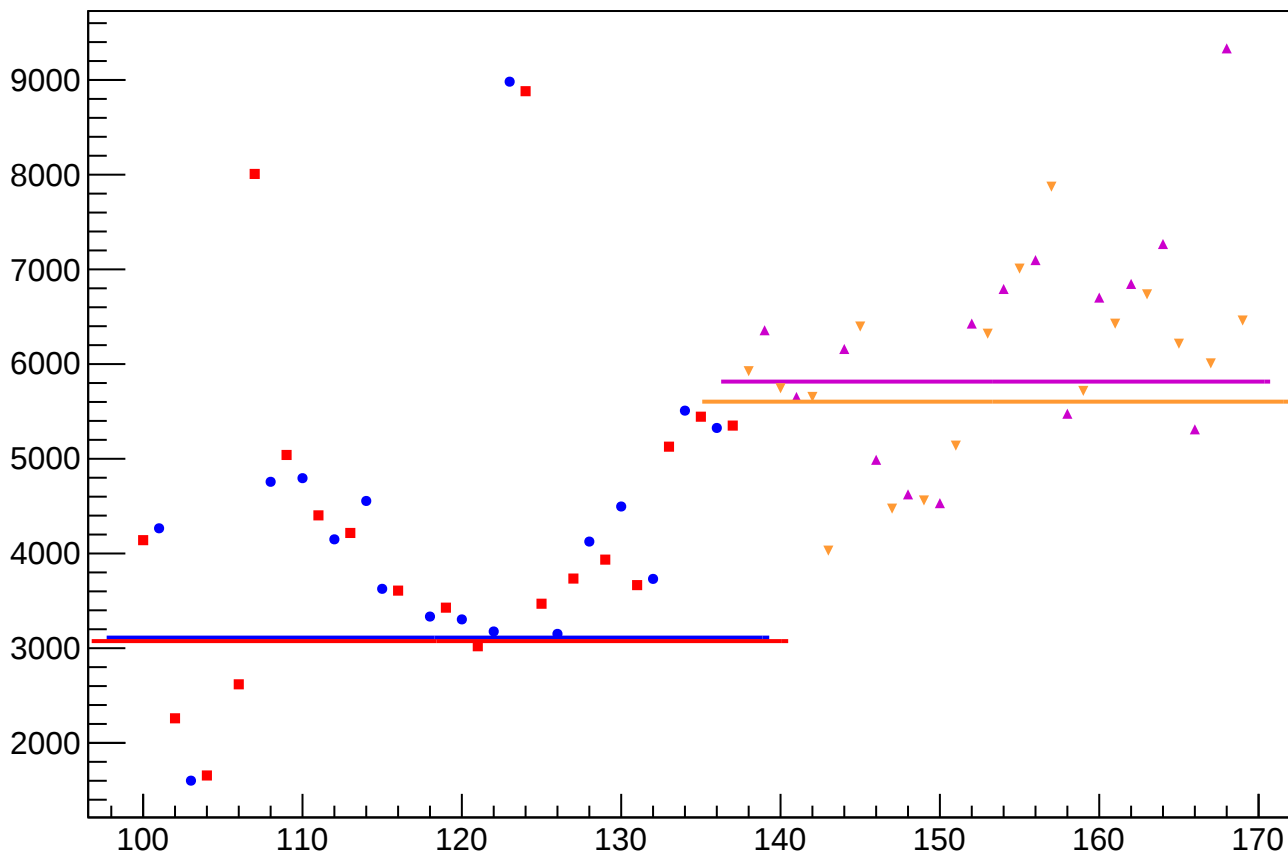
Left In: -1068.184+/-1731.093 χ^2/NDF : 6.3/14

+ sign 1737.385+/-1014.649 χ^2/NDF : 37.4/33

All: 526.098+/-723.598 χ^2/NDF : 73.0/67

- sign -727.507+/-1032.221 χ^2/NDF : 32.7/33

asym_atl_avg_rms vs Slug



Right In: 3111.825+/-0.926 χ^2/NDF : 1879558.6/16

Left Out: 5603.278+/-1.134 χ^2/NDF : 752890.6/16

Right Out: 3074.771+/-0.896 χ^2/NDF : 2005627.6/18

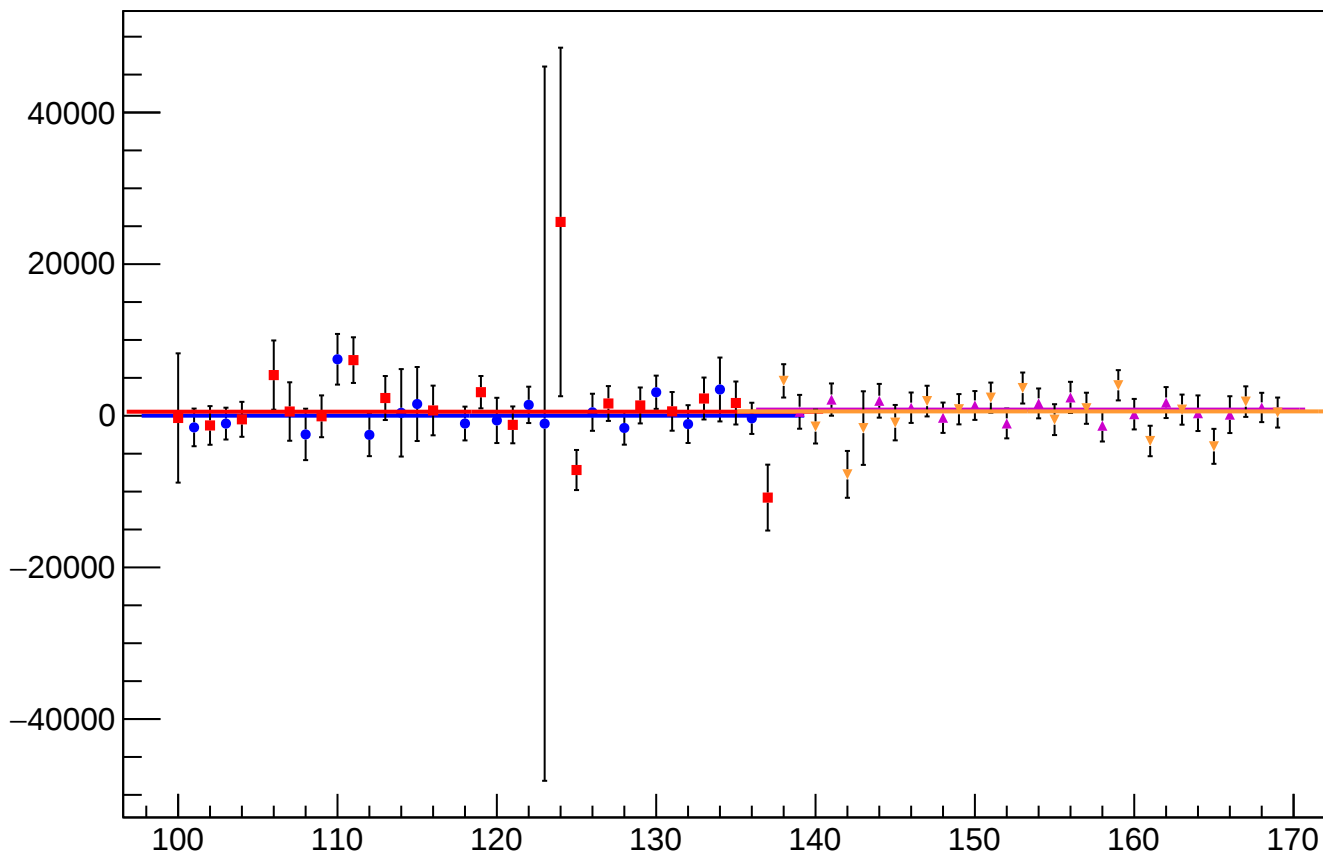
Left In: 5815.001+/-1.224 χ^2/NDF : 768863.6/14

+ sign 4109.113+/-0.717 χ^2/NDF : 5527257.5/33

All: 4070.282+/-0.509 χ^2/NDF : 11570591.4/6

- sign 4030.846+/-0.723 χ^2/NDF : 6037429.8/33

reg_asym_atl_dd_mean vs Slug



Right In: 14.118+/-661.101 χ^2 /NDF: 11.1/16

Left Out: 577.327+/-523.676 χ^2 /NDF: 27.1/16

Right Out: 537.476+/-661.143 χ^2 /NDF: 26.7/18

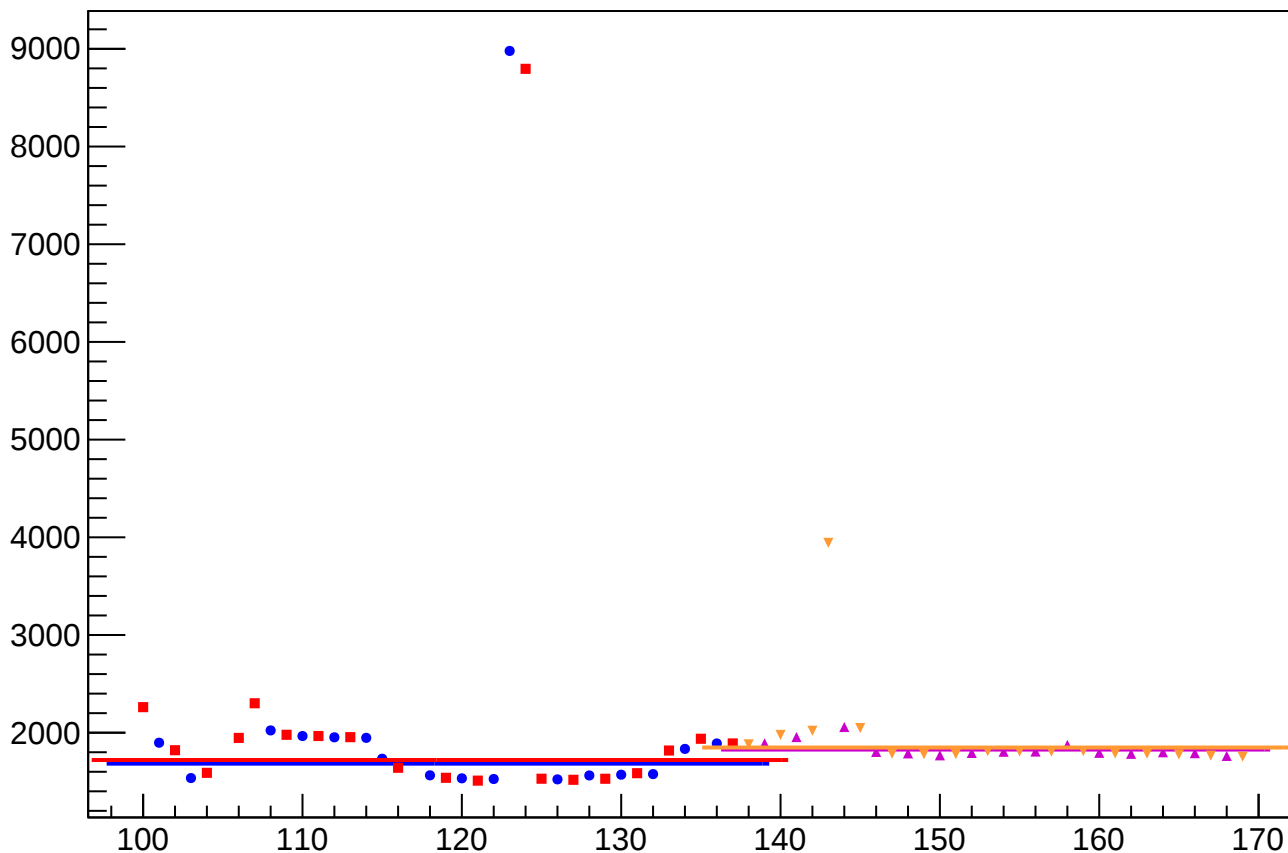
Left In: 813.409+/-535.609 χ^2 /NDF: 4.2/14

+ sign 360.183+/-410.494 χ^2 /NDF: 38.6/33

All: 529.764+/-292.251 χ^2 /NDF: 69.9/67

- sign 704.071+/-416.177 χ^2 /NDF: 30.9/33

reg_asym_atl_dd_rms vs Slug



Right In: 1683.259+/-0.467 χ^2/NDF : 195893.7/16

Left Out: 1848.218+/-0.370 χ^2/NDF : 423468.4/16

Right Out: 1720.379+/-0.465 χ^2/NDF : 396099.9/18

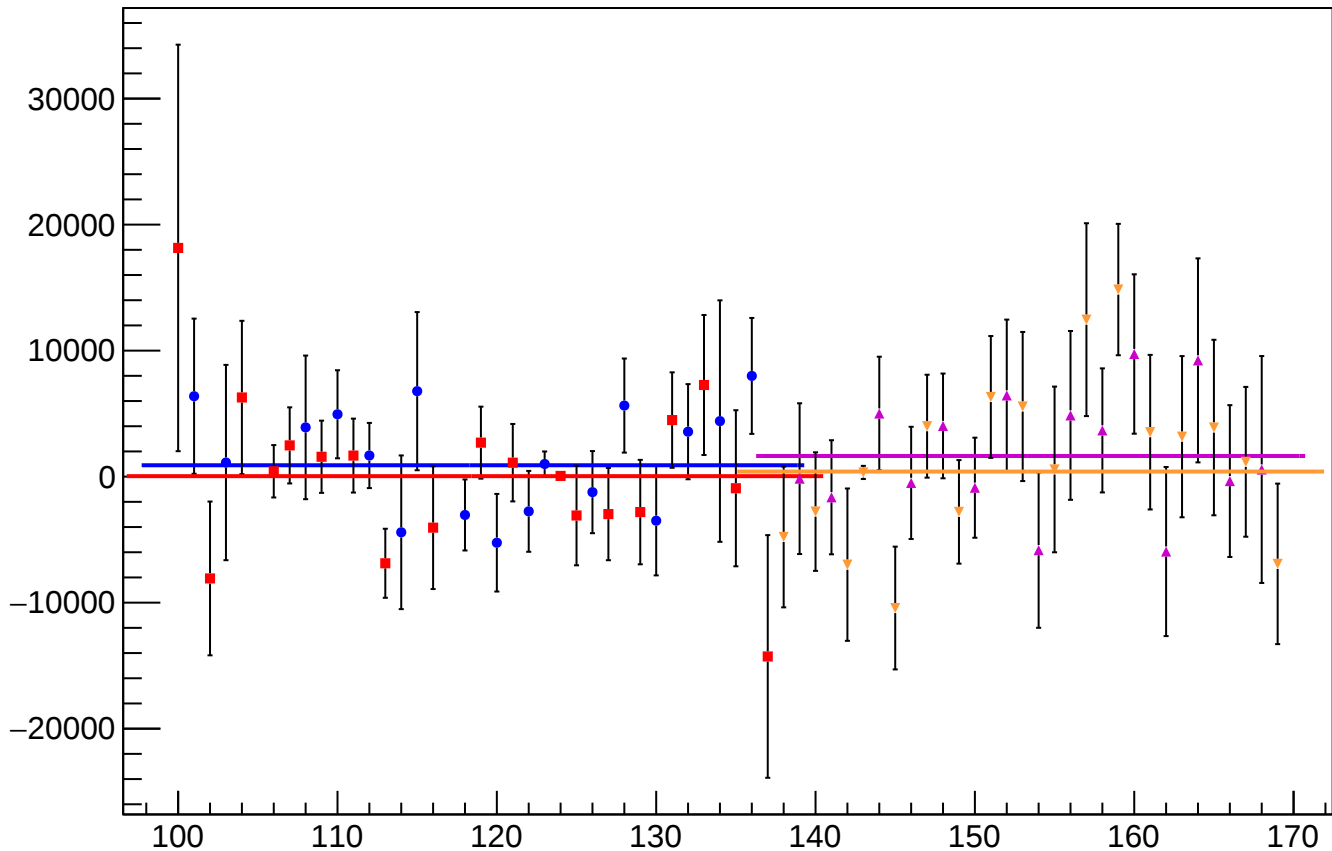
Left In: 1827.375+/-0.379 χ^2/NDF : 39923.0/14

+ sign 1784.618+/-0.290 χ^2/NDF : 695875.3/33

All: 1784.686+/-0.206 χ^2/NDF : 1163689.0/67

- sign 1784.756+/-0.294 χ^2/NDF : 467813.6/33

asym_atl_dd_correction_mean vs Slug



Right In: 903.344+/-705.564 χ^2/NDF : 16.0/16

Left Out: 404.654+/-487.827 χ^2/NDF : 23.6/16

Right Out: 38.143+/-357.176 χ^2/NDF : 20.5/18

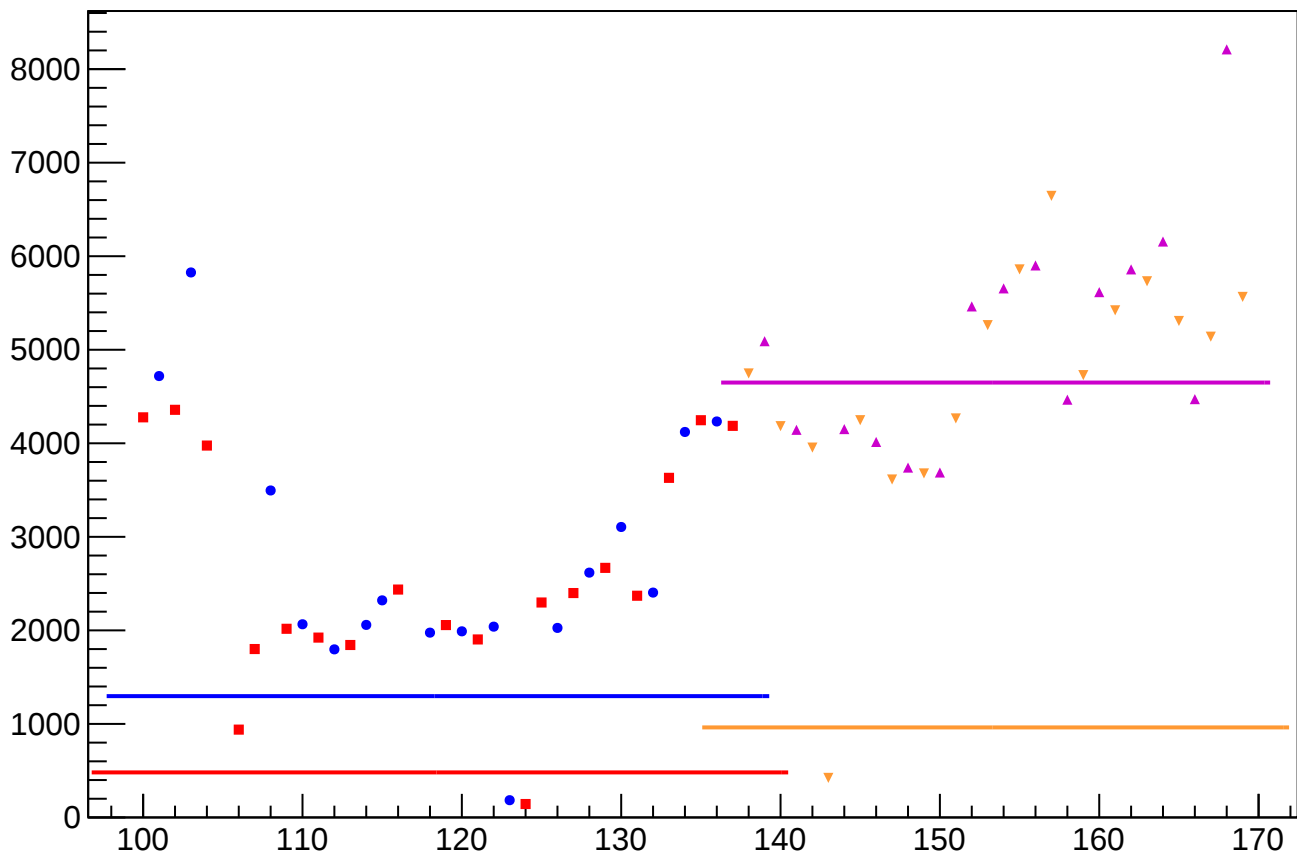
Left In: 1638.975+/-1389.963 χ^2/NDF : 8.6/14

+ sign 565.943+/-401.258 χ^2/NDF : 40.0/33

All: 320.060+/-262.008 χ^2/NDF : 70.9/67

- sign 137.302+/-345.937 χ^2/NDF : 30.3/33

asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499 χ^2/NDF : 6509608.5/16

Left Out: 962.538+/-0.345 χ^2/NDF :17328253.9/16

Right Out: 481.577+/-0.253 χ^2/NDF : 10144170.1/18

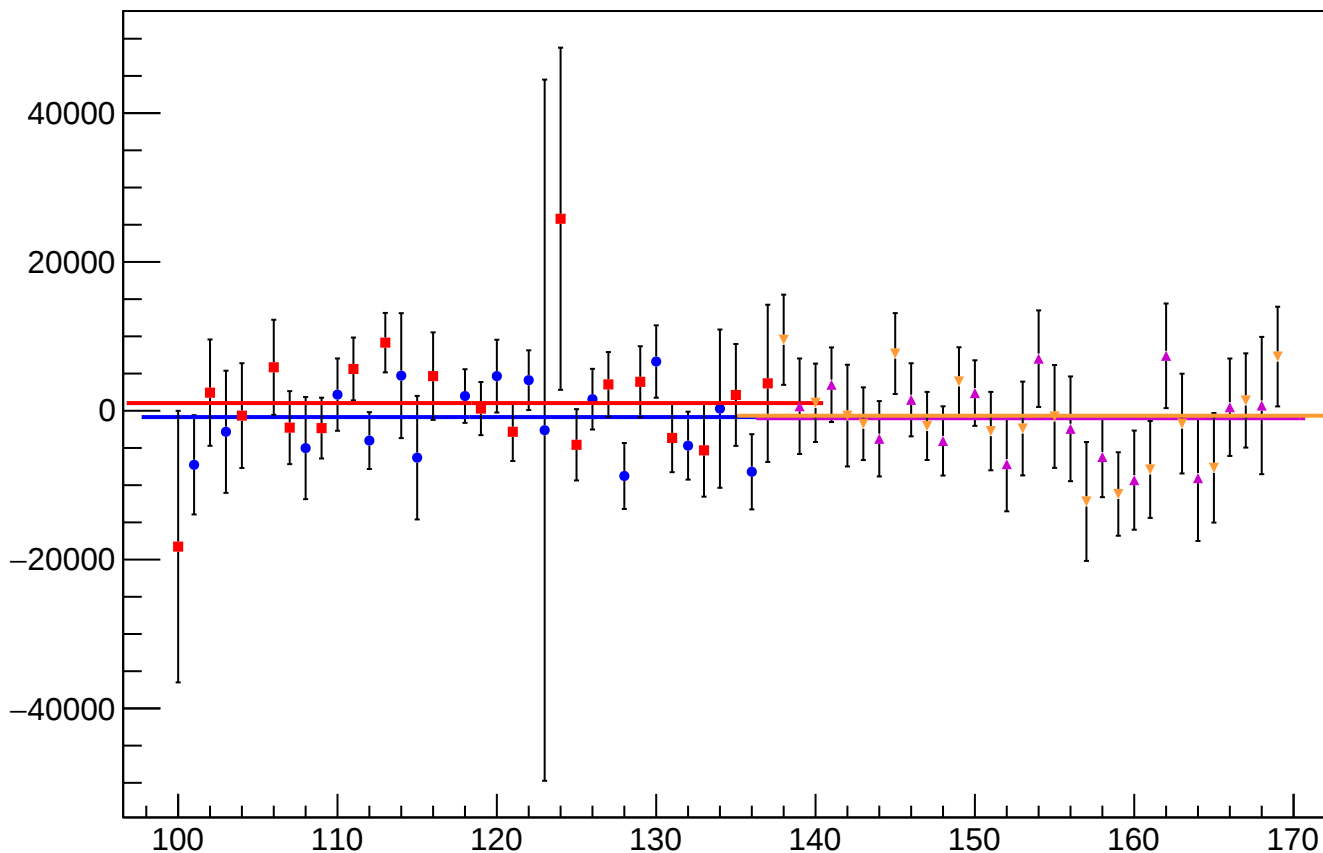
Left In: 4649.339+/-0.983 χ^2/NDF :972275.1/14

+ sign 1070.713+/-0.284 χ^2/NDF : 24141935.7/33

All: 880.855+/-0.185 χ^2/NDF : 52906749.6/67

- sign 739.739+/-0.245 χ^2/NDF : 27984254.1/33

asym_atl_dd_mean vs Slug



Right In: -849.372 ± 1261.026 χ^2/NDF : 15.4/16

Left Out: -663.460 ± 1419.022 χ^2/NDF : 16.0/16

Right Out: 1033.205 ± 1190.714 χ^2/NDF : 15.0/18

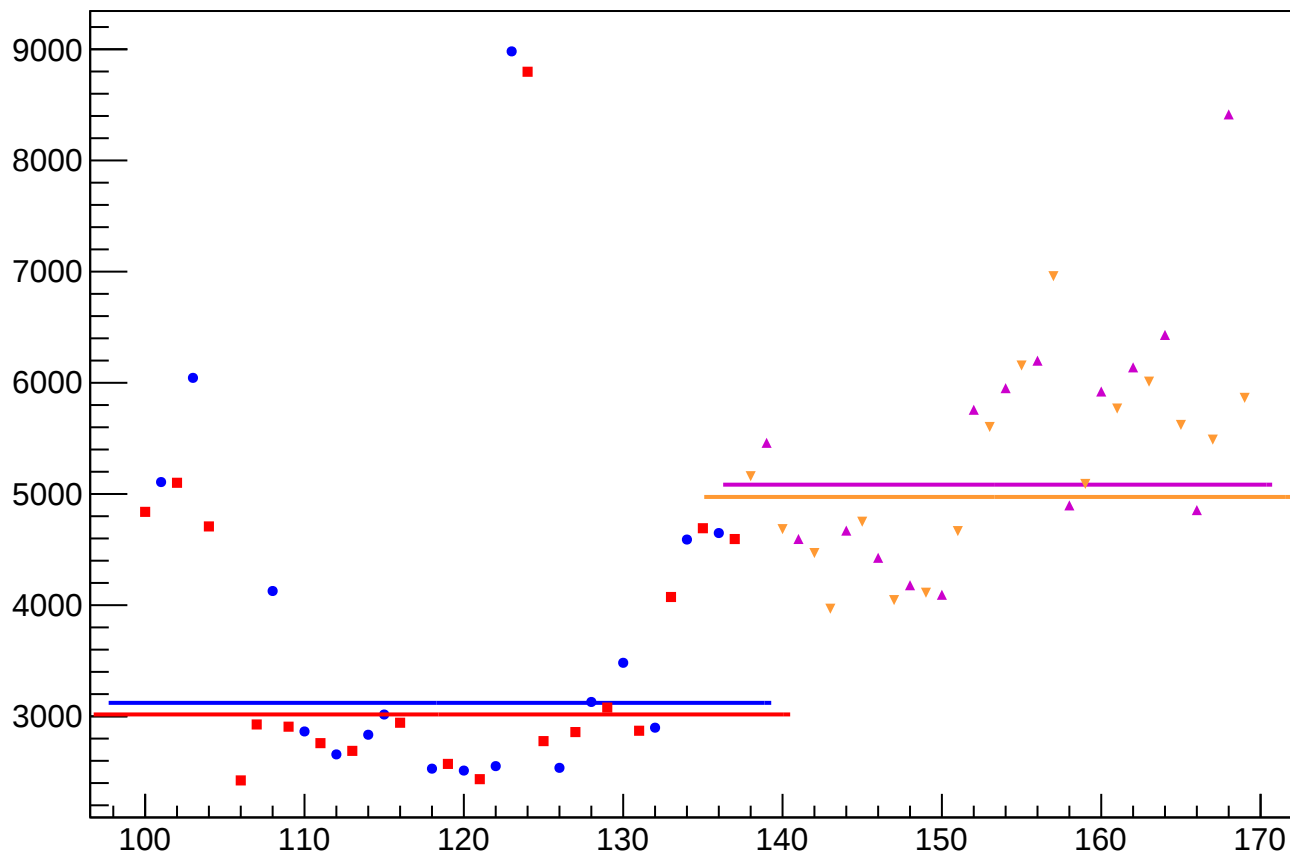
Left In: -1003.181 ± 1512.481 χ^2/NDF : 9.9/14

+ sign -767.338 ± 942.610 χ^2/NDF : 31.4/33

All: -252.834 ± 664.026 χ^2/NDF : 58.0/67

- sign 254.021 ± 935.578 χ^2/NDF : 26.0/33

asym_atl_dd_rms vs Slug



Right In: 3121.417+/-0.892 χ^2/NDF : 945708.1/16

Left Out: 4973.380+/-1.003 χ^2/NDF : 610921.9/16

Right Out: 3017.215+/-0.831 χ^2/NDF : 791997.9/18

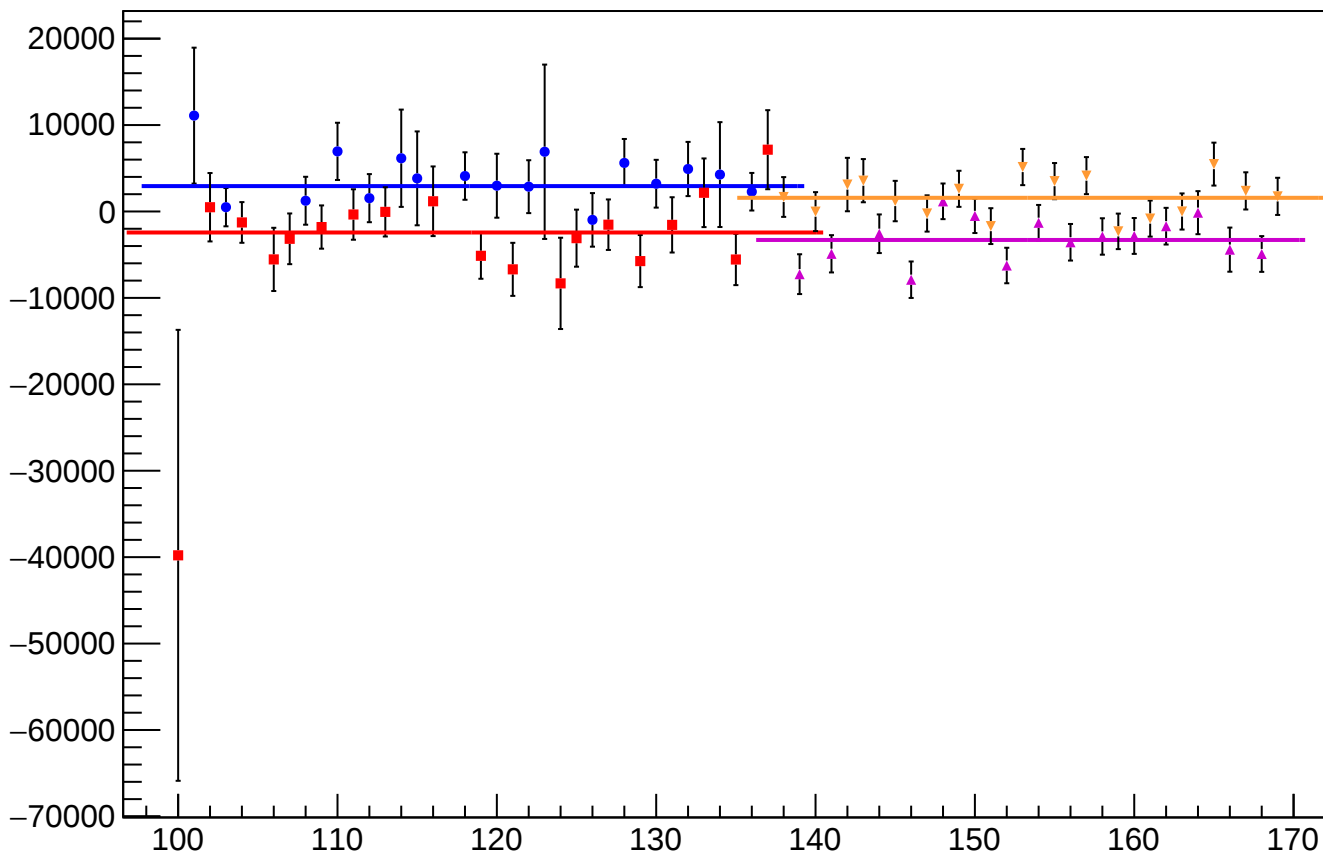
Left In: 5083.835+/-1.069 χ^2/NDF : 753298.3/14

+ sign 3938.594+/-0.667 χ^2/NDF : 3460051.7/33

All: 3866.096+/-0.468 χ^2/NDF : 7355923.9/67

- sign 3795.776+/-0.656 χ^2/NDF : 3872565.7/33

reg_asym_atr_avg_mean vs Slug



Right In: 2935.827 $\pm$ 775.365 χ^2 /NDF: 8.2/16

Left Out: 1580.652 $\pm$ 535.700 χ^2 /NDF:18.1/16

Right Out: -2432.756 $\pm$ 740.416 χ^2 /NDF: 18.2/18

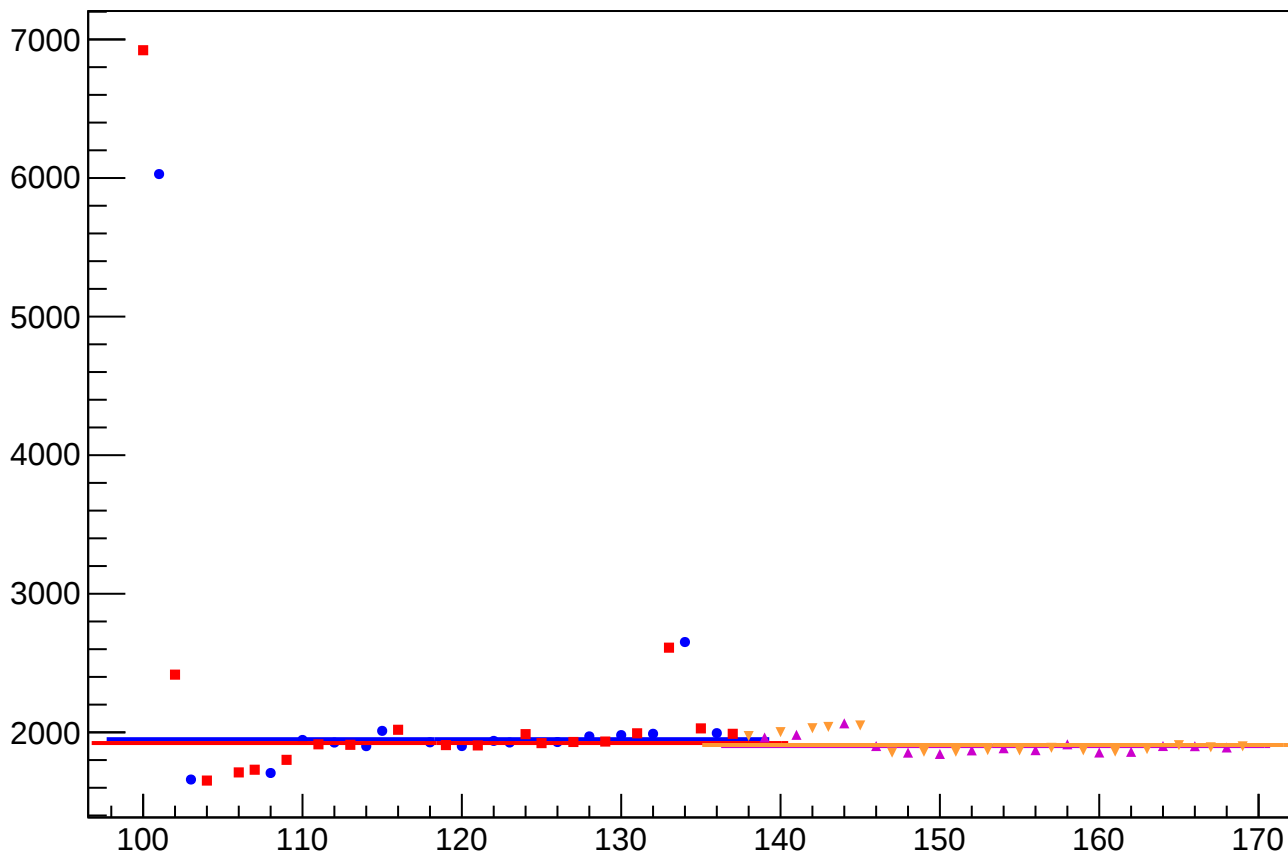
Left In: -3296.756 $\pm$ 555.467 χ^2 /NDF:21.1/14

+ sign 2018.522 $\pm$ 440.738 χ^2 /NDF: 28.4/33

All: -463.241 $\pm$ 312.911 χ^2 /NDF: 132.4/67

- sign -2985.605 $\pm$ 444.329 χ^2 /NDF: 40.2/33

reg_asym_atr_avg_rms vs Slug



Right In: 1950.615 $\pm$ 0.548 χ^2 /NDF: 617332.2/16

Left Out: 1908.605 $\pm$ 0.379 χ^2 /NDF: 28158.8/16

Right Out: 1922.752 $\pm$ 0.522 χ^2 /NDF: 217400.0/18

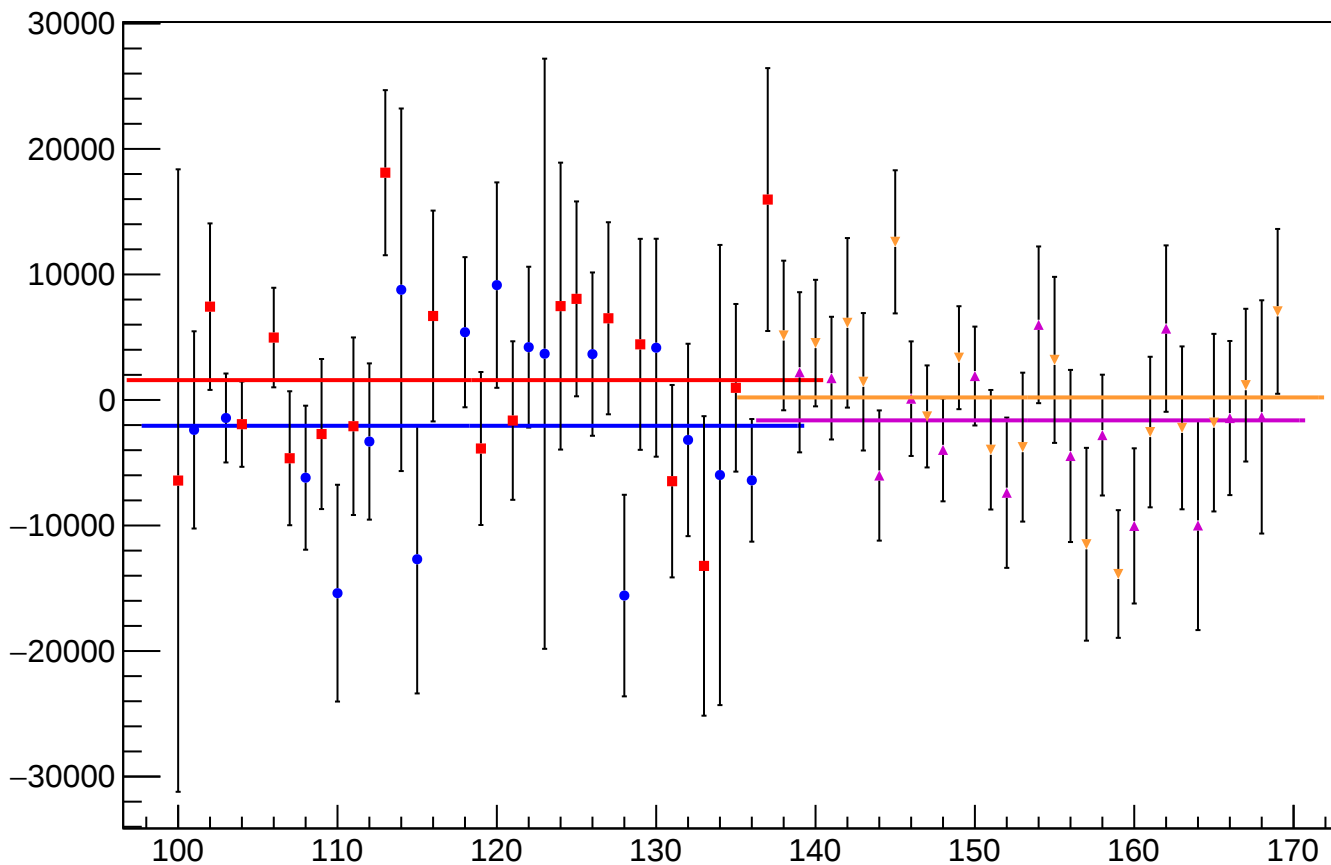
Left In: 1900.830 $\pm$ 0.393 χ^2 /NDF: 20589.8/14

+ sign 1922.179 $\pm$ 0.312 χ^2 /NDF: 649465.0/33

All: 1915.513 $\pm$ 0.221 χ^2 /NDF: 889501.8/67

- sign 1908.748 $\pm$ 0.314 χ^2 /NDF: 239114.9/33

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876 ± 1661.079 χ^2/NDF : 14.0/16

Left Out: 202.884 ± 1352.884 χ^2/NDF : 20.6/16

Right Out: 1580.717 ± 1477.405 χ^2/NDF : 18.6/18

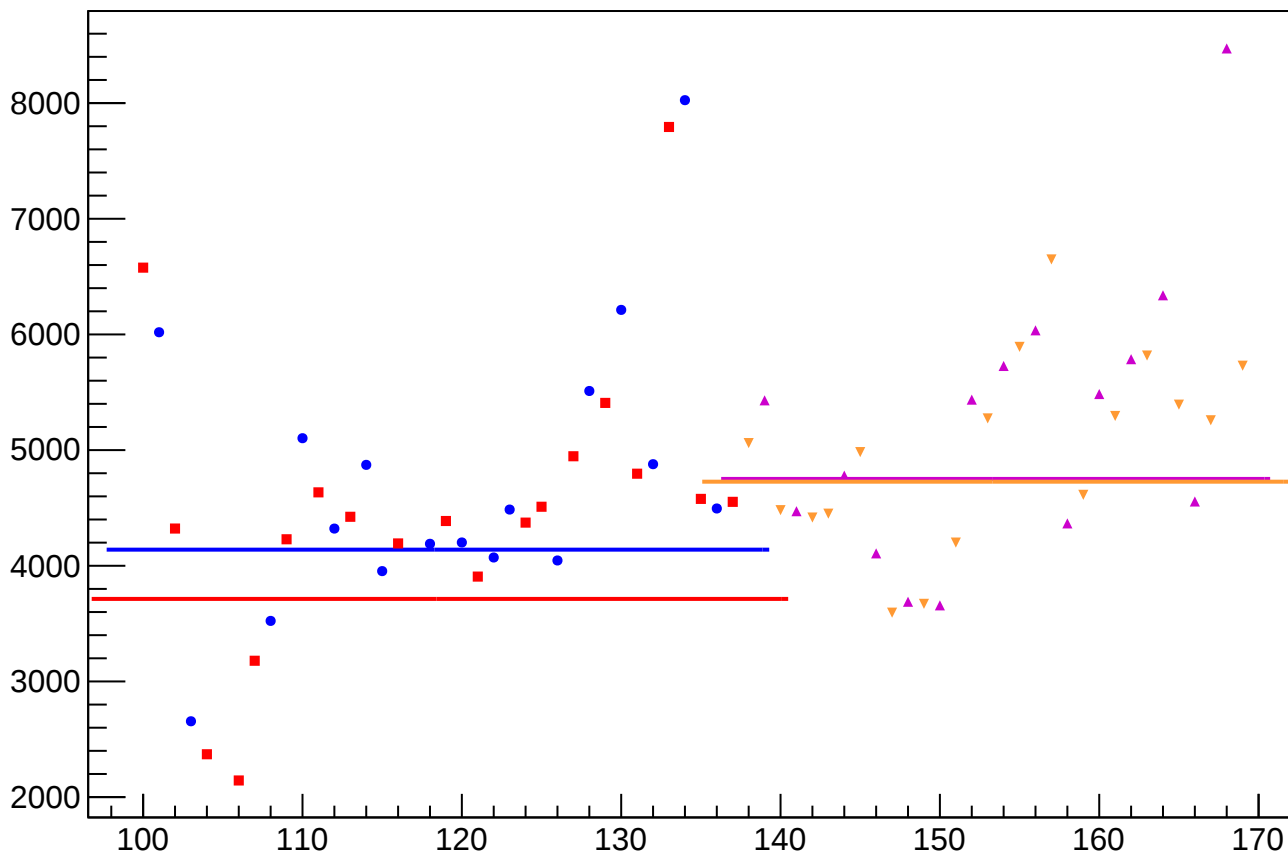
Left In: -1624.956 ± 1421.266 χ^2/NDF : 9.5/14

+ sign -698.314 ± 1048.985 χ^2/NDF : 35.7/33

All: -383.924 ± 732.846 χ^2/NDF : 66.5/67

- sign -84.181 ± 1024.259 χ^2/NDF : 30.6/33

asym_atr_avg_correction_rms vs Slug



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4726.992+/-0.957 χ^2/NDF : 696120.1/16

Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

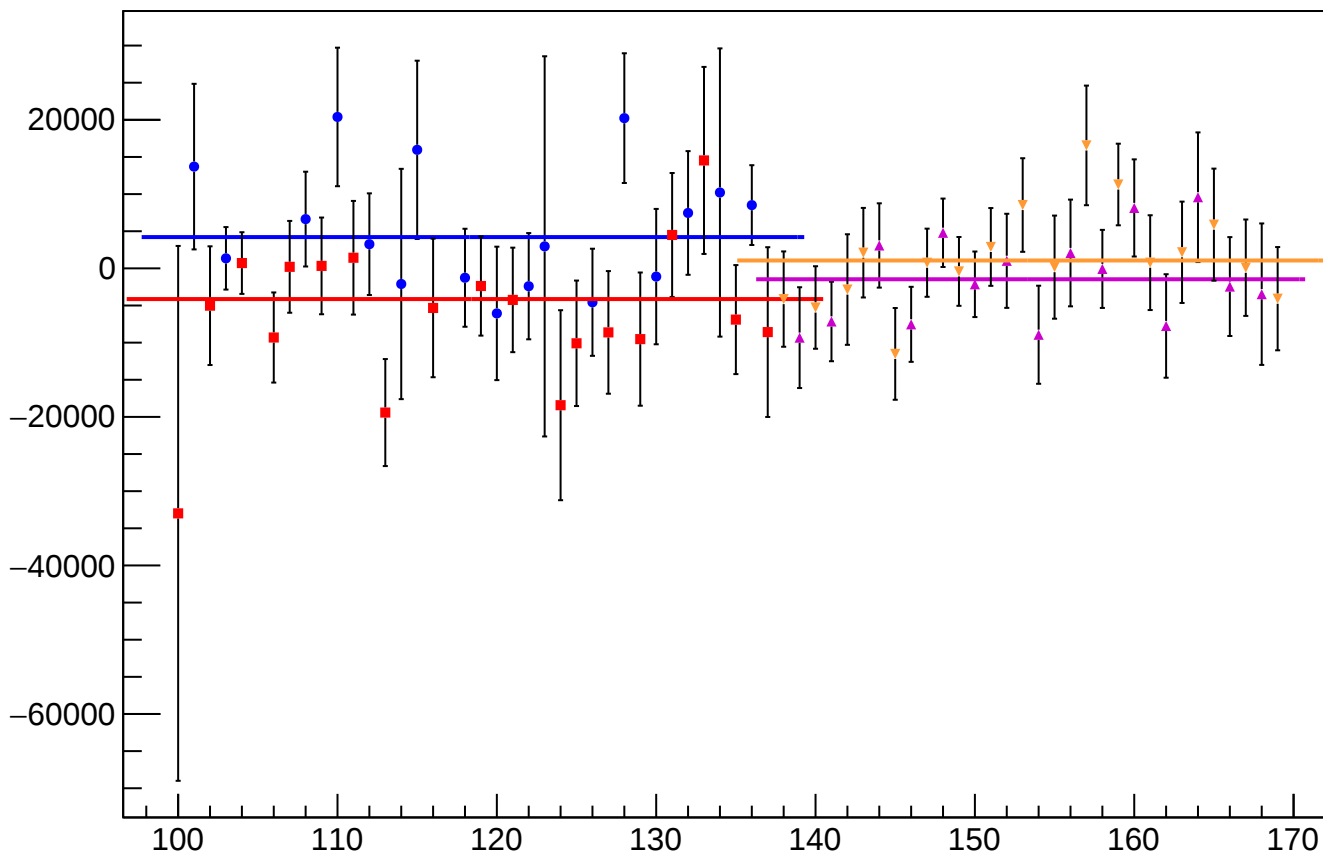
Left In: 4750.828+/-1.005 χ^2/NDF : 987825.3/14

+ sign 4492.656+/-0.742 χ^2/NDF : 1660133.1/33

All: 4369.591+/-0.518 χ^2/NDF : 4489605.8/67

- sign 4252.259+/-0.724 χ^2/NDF : 2775700.5/33

asym_atr_avg_mean vs Slug



Right In: 4211.844+/-1871.304 χ^2/NDF : 14.4/16

Left Out: 1061.935+/-1472.036 χ^2/NDF : 16.2/16

Right Out: -4133.660+/-1725.341 χ^2/NDF : 14.8/18

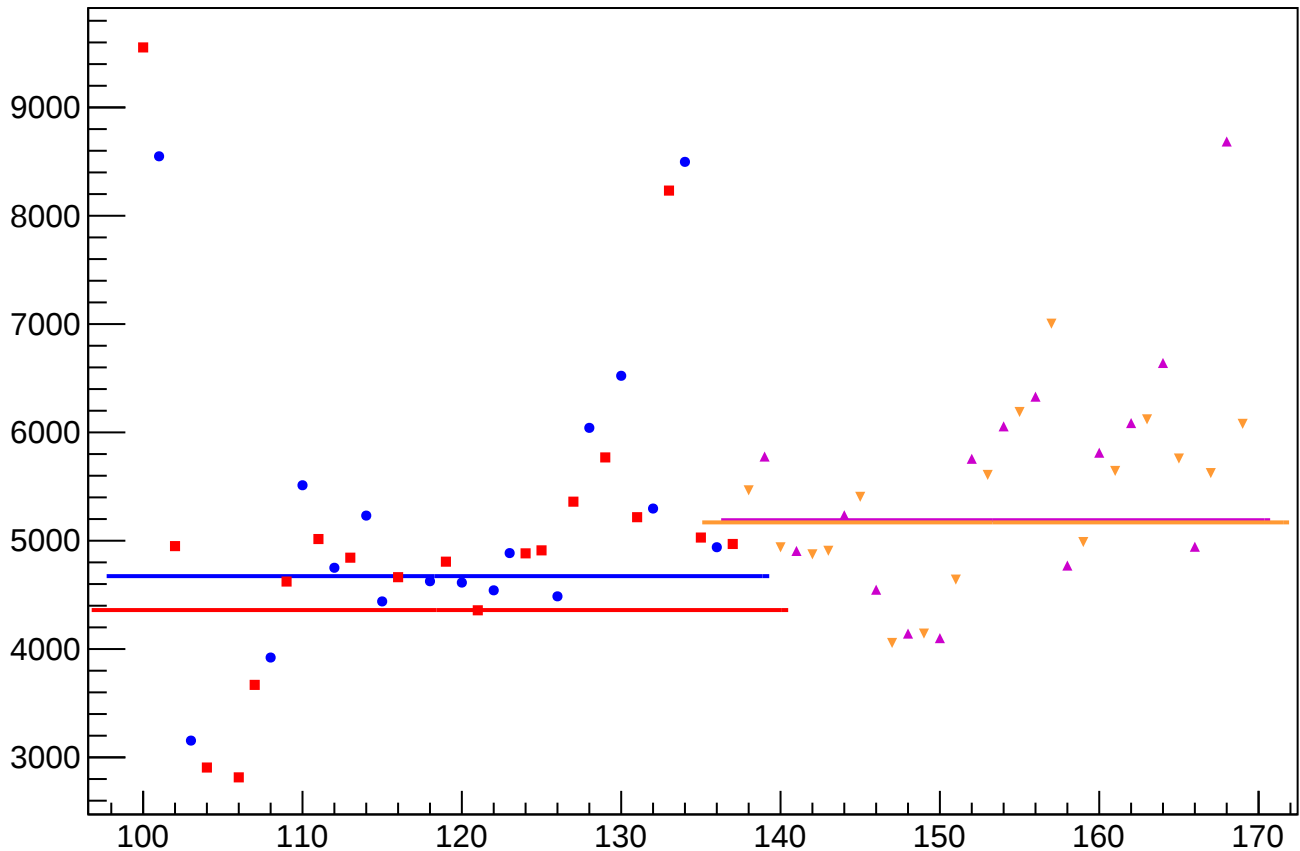
Left In: -1466.818+/-1544.040 χ^2/NDF : 12.8/14

+ sign 2266.010+/-1156.970 χ^2/NDF : 32.4/33

All: -207.022+/-815.832 χ^2/NDF : 70.4/67

- sign -2652.804+/-1150.578 χ^2/NDF : 28.9/33

asym_atr_avg_rms vs Slug



Right In: 4673.046 $\pm$ 1.323 χ^2 /NDF: 777321.1/16

Left Out: 5169.200 $\pm$ 1.041 χ^2 /NDF: 518728.3/16

Right Out: 4359.833 $\pm$ 1.213 χ^2 /NDF: 832191.0/18

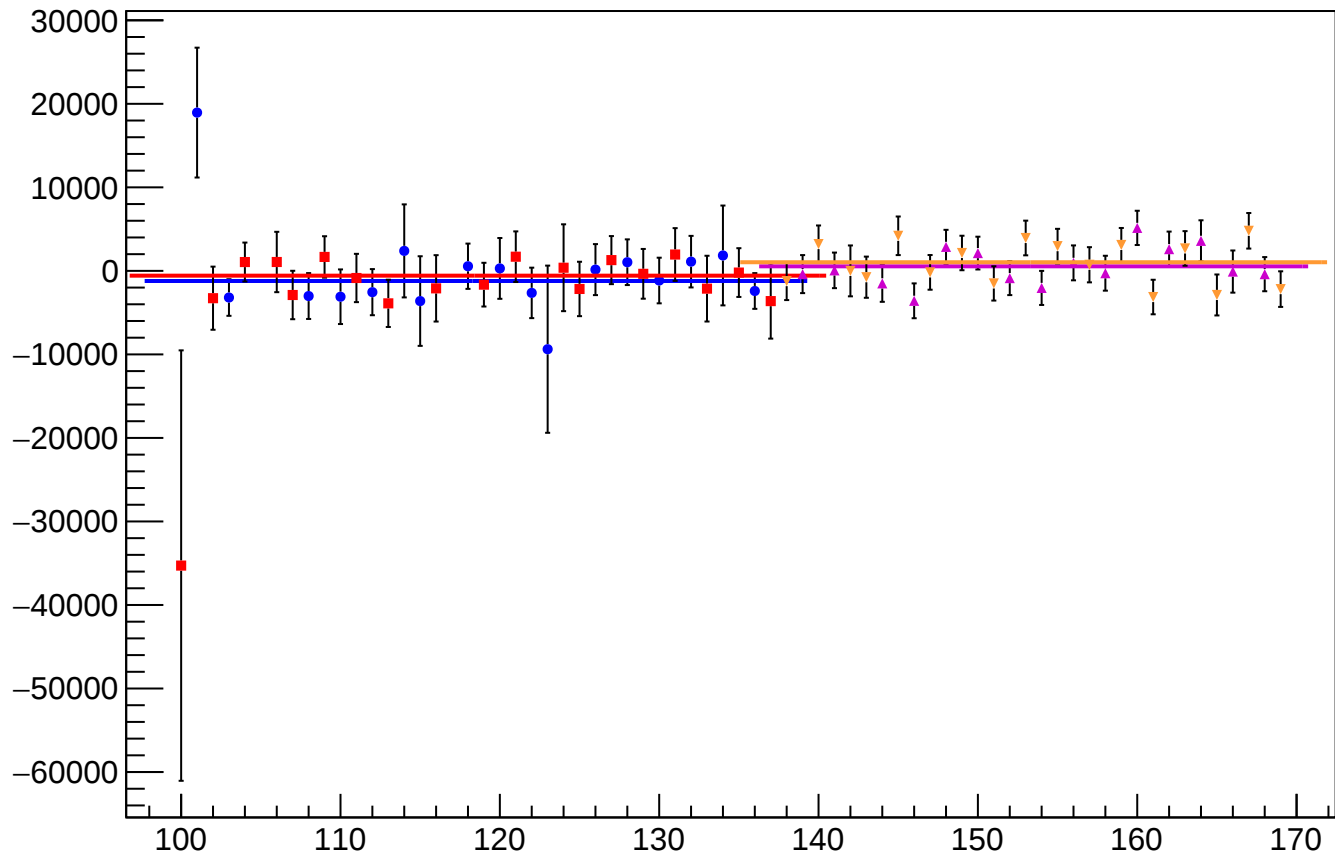
Left In: 5189.263 $\pm$ 1.092 χ^2 /NDF: 770469.6/14

+ sign 4979.541 $\pm$ 0.818 χ^2 /NDF: 1382901.9/33

All: 4898.129 $\pm$ 0.576 χ^2 /NDF: 3263518.8/67

- sign 4818.028 $\pm$ 0.811 χ^2 /NDF: 1860970.4/33

reg_asym_atr_dd_mean vs Slug



Right In: -1211.176 $\pm$ 765.294 χ^2 /NDF: 12.7/16

Left Out: 1034.480 $\pm$ 529.519 χ^2 /NDF: 23.2/16

Right Out: -573.457 $\pm$ 730.668 χ^2 /NDF: 8.7/18

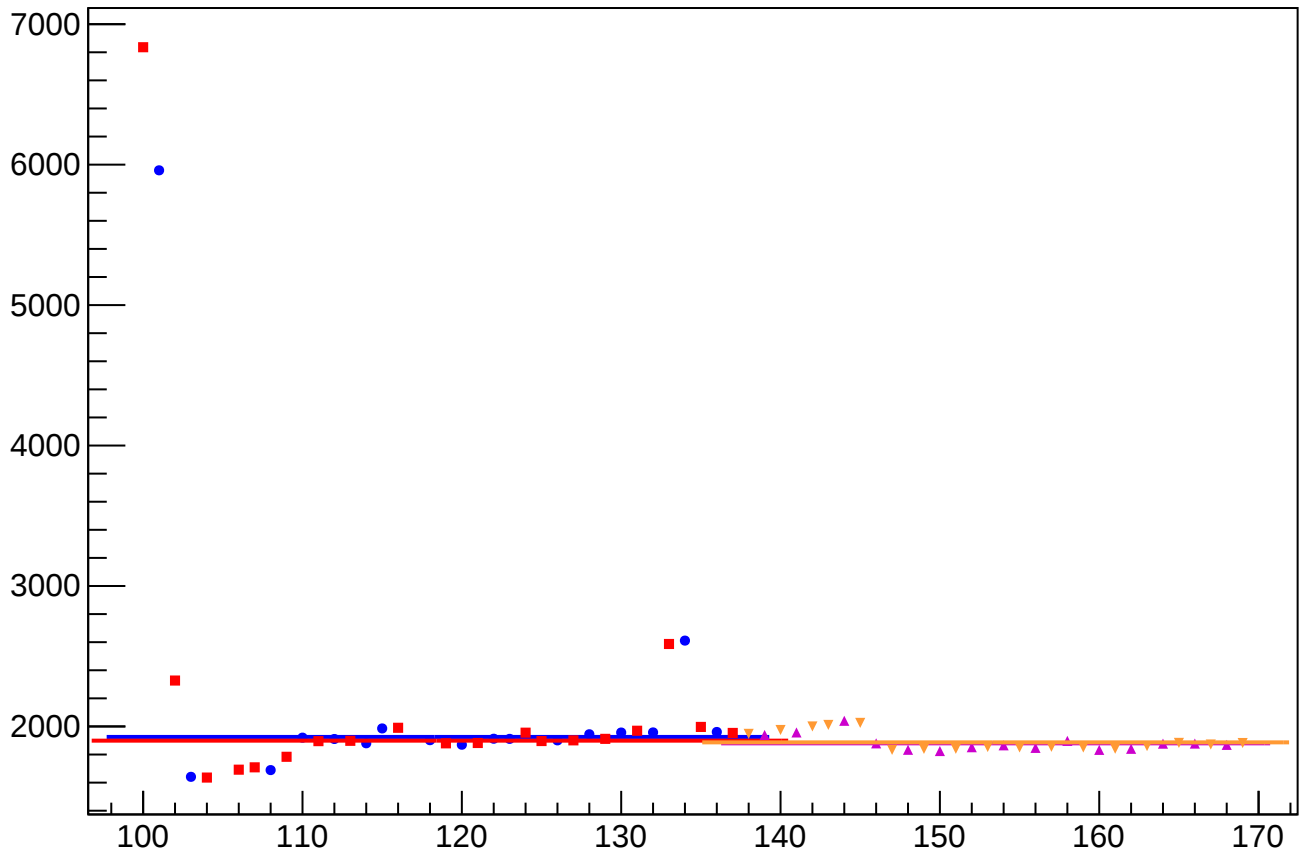
Left In: 544.853 $\pm$ 549.269 χ^2 /NDF: 17.0/14

+ sign 307.445 $\pm$ 435.446 χ^2 /NDF: 41.6/33

All: 224.943 $\pm$ 309.173 χ^2 /NDF: 68.9/67

- sign 141.069 $\pm$ 439.049 χ^2 /NDF: 27.2/33

reg_asym_atr_dd_rms vs Slug



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1886.667+/-0.374 χ^2/NDF : 26591.8/16

Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

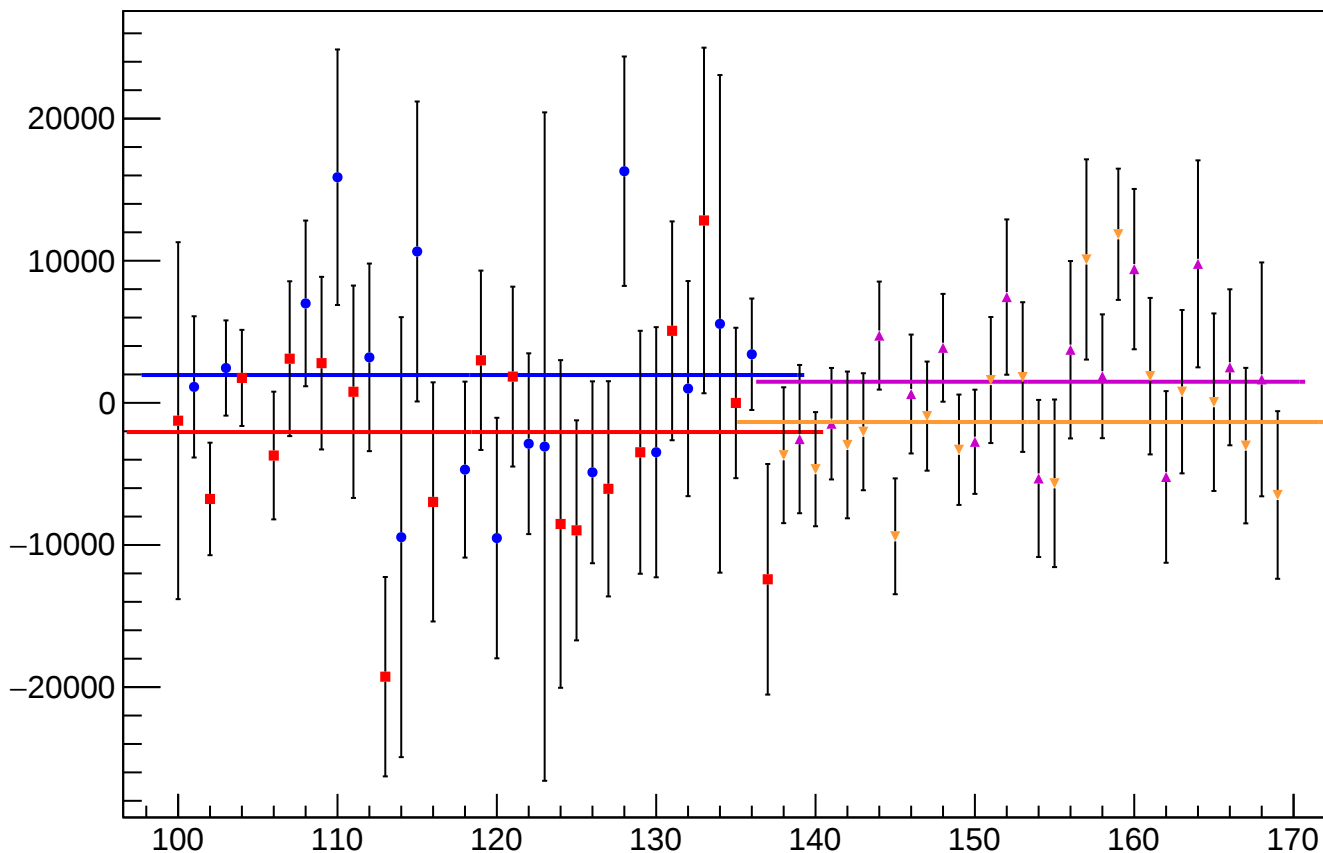
Left In: 1879.650+/-0.388 χ^2/NDF : 20041.0/14

+ sign 1899.181+/-0.308 χ^2/NDF : 645905.6/33

All: 1892.939+/-0.219 χ^2/NDF : 878535.1/67

- sign 1886.604+/-0.310 χ^2/NDF : 231801.4/33

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060+/-1556.840 χ^2/NDF : 12.9/16

Left Out: -1347.976+/-1169.995 χ^2/NDF : 18.7/16

Right Out: -2052.842+/-1413.641 χ^2/NDF : 17.4/18

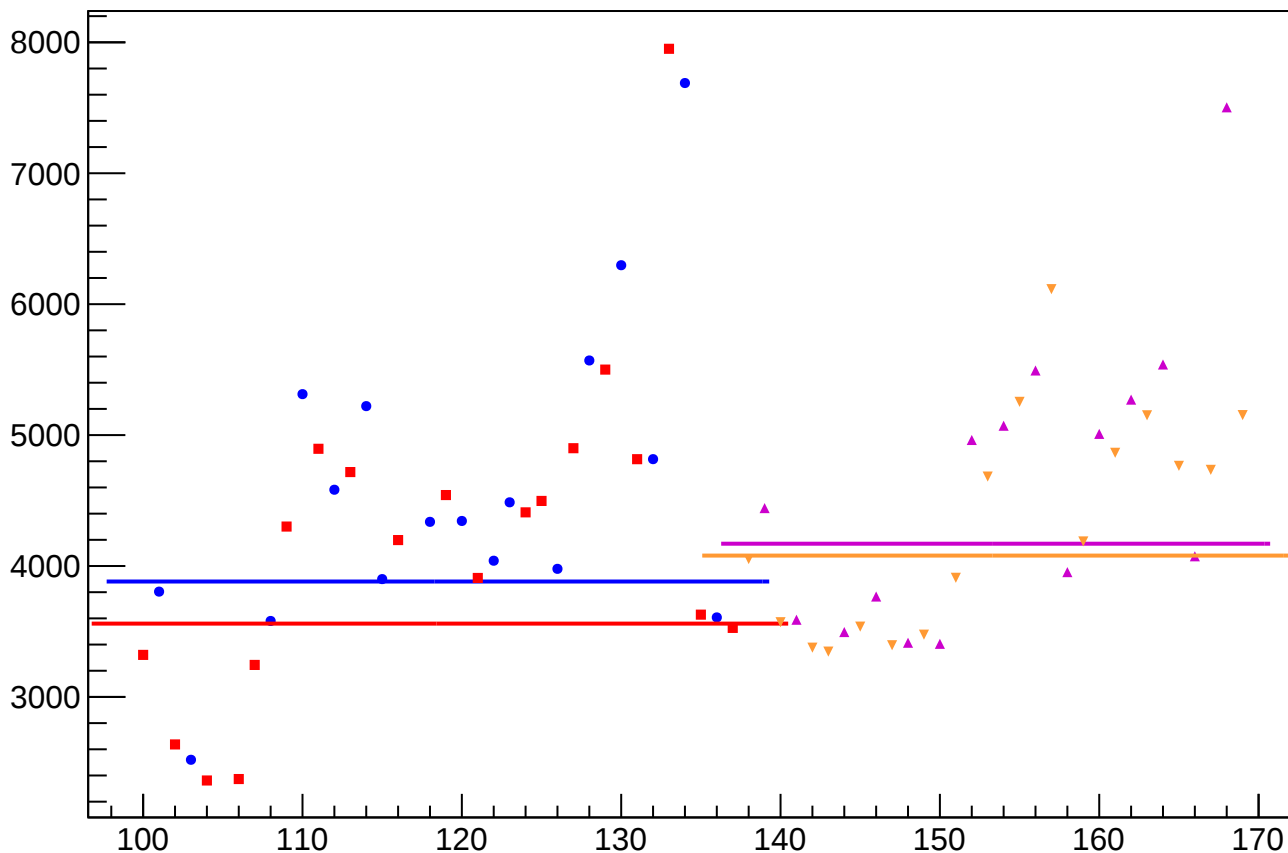
Left In: 1485.938+/-1247.740 χ^2/NDF : 11.0/14

+ sign -154.358+/-935.314 χ^2/NDF : 34.6/33

All: -109.042+/-661.421 χ^2/NDF : 66.6/67

- sign -63.710+/-935.468 χ^2/NDF : 32.0/33

asym_atr_dd_correction_rms vs Slug



Right In: 3881.577+/-1.101 χ^2/NDF : 817466.6/16

Left Out: 4079.664+/-0.827 χ^2/NDF : 785935.5/16

Right Out: 3560.054+/-1.000 χ^2/NDF : 1241523.0/18

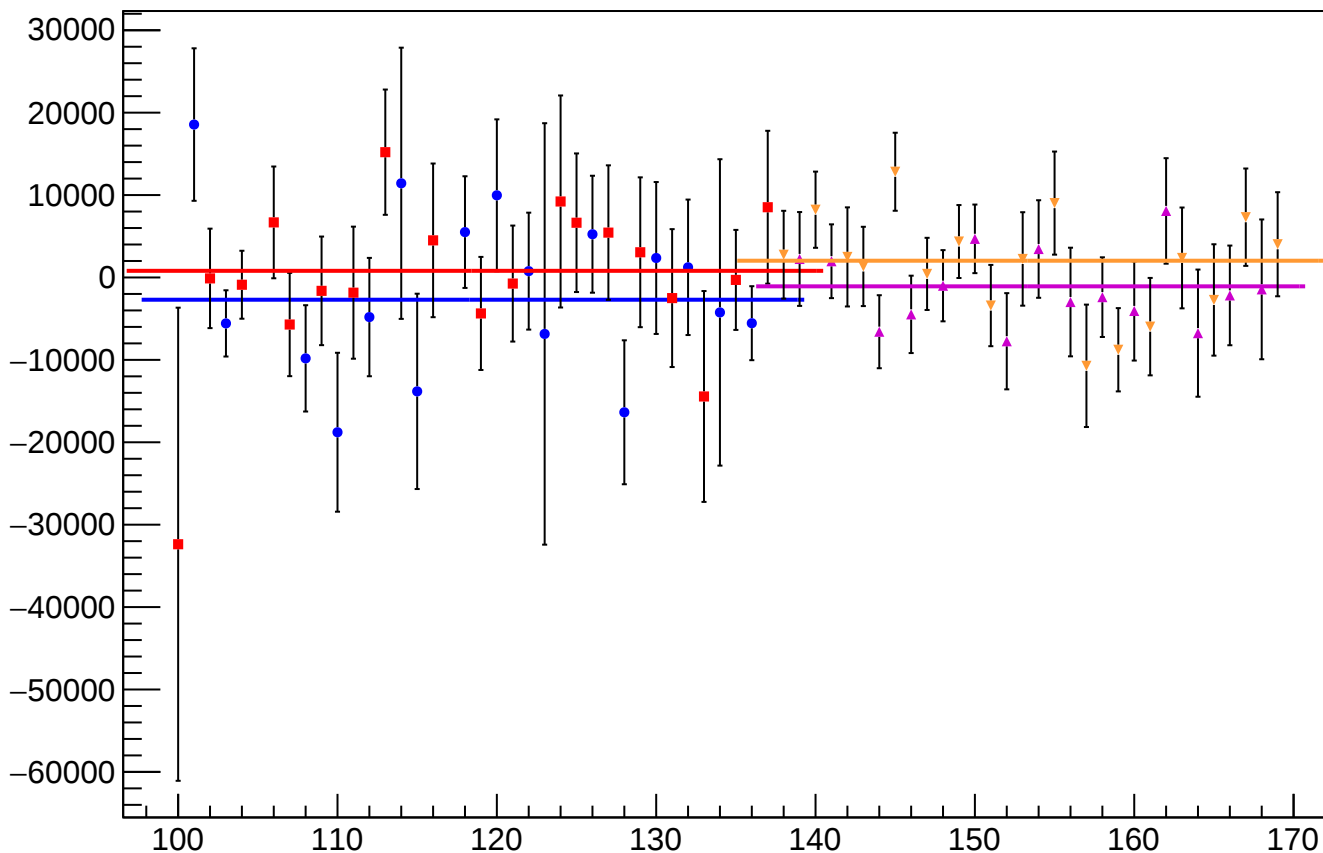
Left In: 4170.363+/-0.882 χ^2/NDF : 997694.9/14

+ sign 4008.168+/-0.661 χ^2/NDF : 1624093.9/33

All: 3955.646+/-0.468 χ^2/NDF : 4085464.9/67

- sign 3903.106+/-0.661 χ^2/NDF : 2448755.4/33

asym_atr_dd_mean vs Slug



Right In: -2700.702 $\pm$ 1809.055 χ^2 /NDF: 19.8/16

Left Out: 2032.495 $\pm$ 1305.584 χ^2 /NDF: 20.7/16

Right Out: 805.951 $\pm$ 1690.353 χ^2 /NDF: 11.6/18

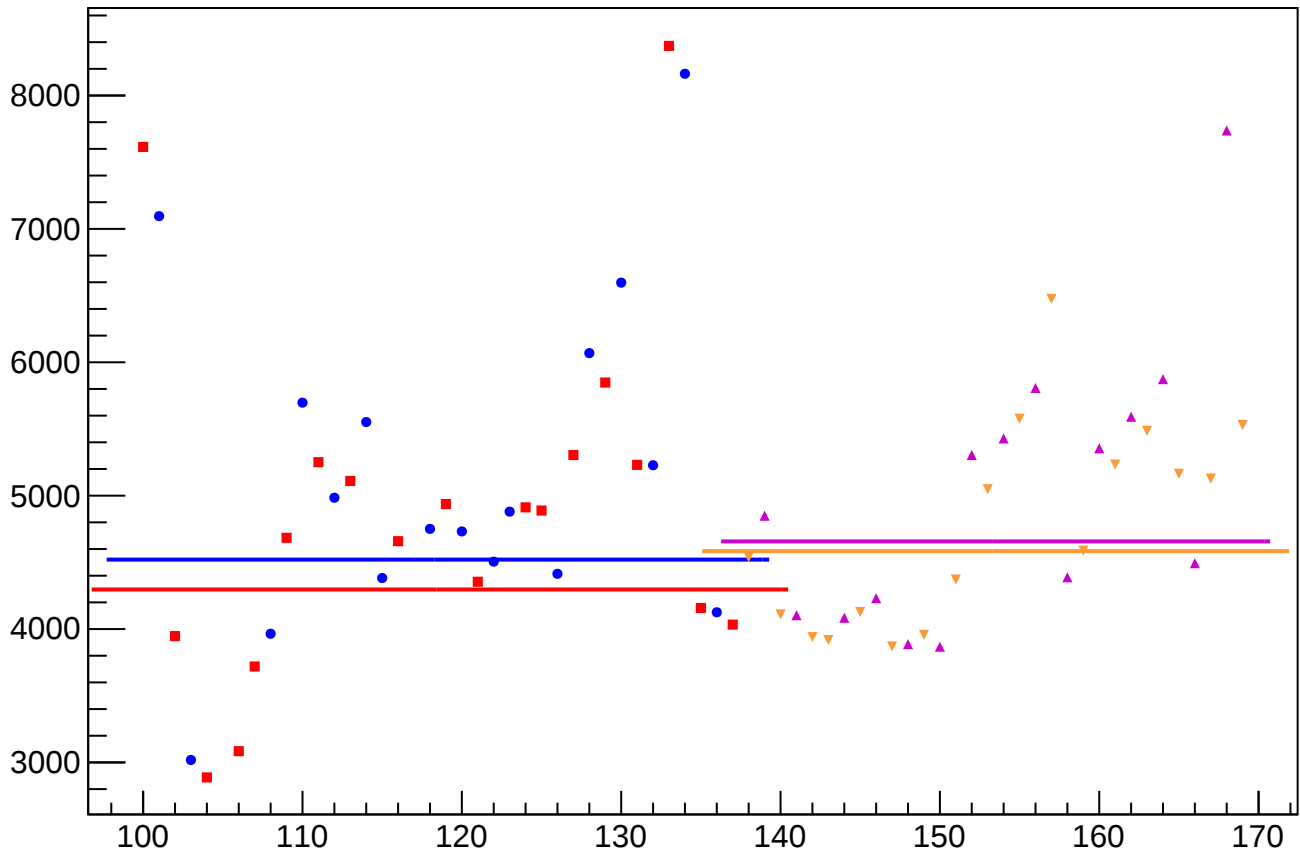
Left In: -1076.457 $\pm$ 1384.029 χ^2 /NDF: 9.7/14

+ sign 411.519 $\pm$ 1058.676 χ^2 /NDF: 44.9/33

All: 49.468 $\pm$ 752.869 χ^2 /NDF: 67.2/67

- sign -320.968 $\pm$ 1070.865 χ^2 /NDF: 22.0/33

asym_atr_dd_rms vs Slug



Right In: 4520.685+/-1.279 χ^2/NDF : 770887.4/16

Left Out: 4584.246+/-0.923 χ^2/NDF : 535665.1/16

+ sign 4562.478+/-0.749 χ^2/NDF : 1308175.9/33

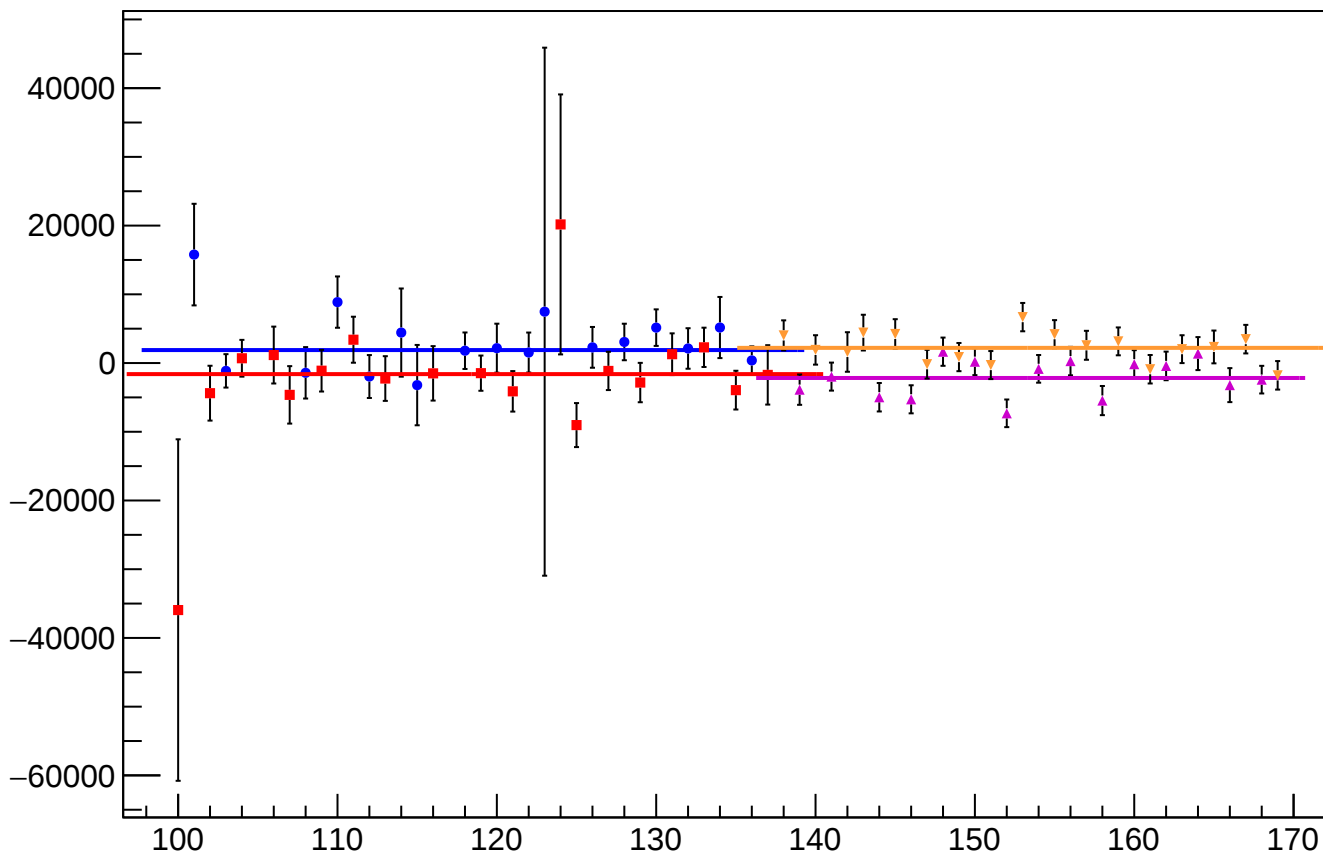
Right Out: 4296.527+/-1.189 χ^2/NDF : 771785.2/18

All: 4537.141+/-0.532 χ^2/NDF : 2865494.6/67

- sign 4511.332+/-0.756 χ^2/NDF : 1555006.1/33

Left In: 4656.948+/-0.979 χ^2/NDF : 728423.3/14

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 2208.279 $\pm$ 521.493 χ^2 /NDF:17.8/16

Right Out: -1610.310 $\pm$ 765.843 χ^2 /NDF: 17.5/18

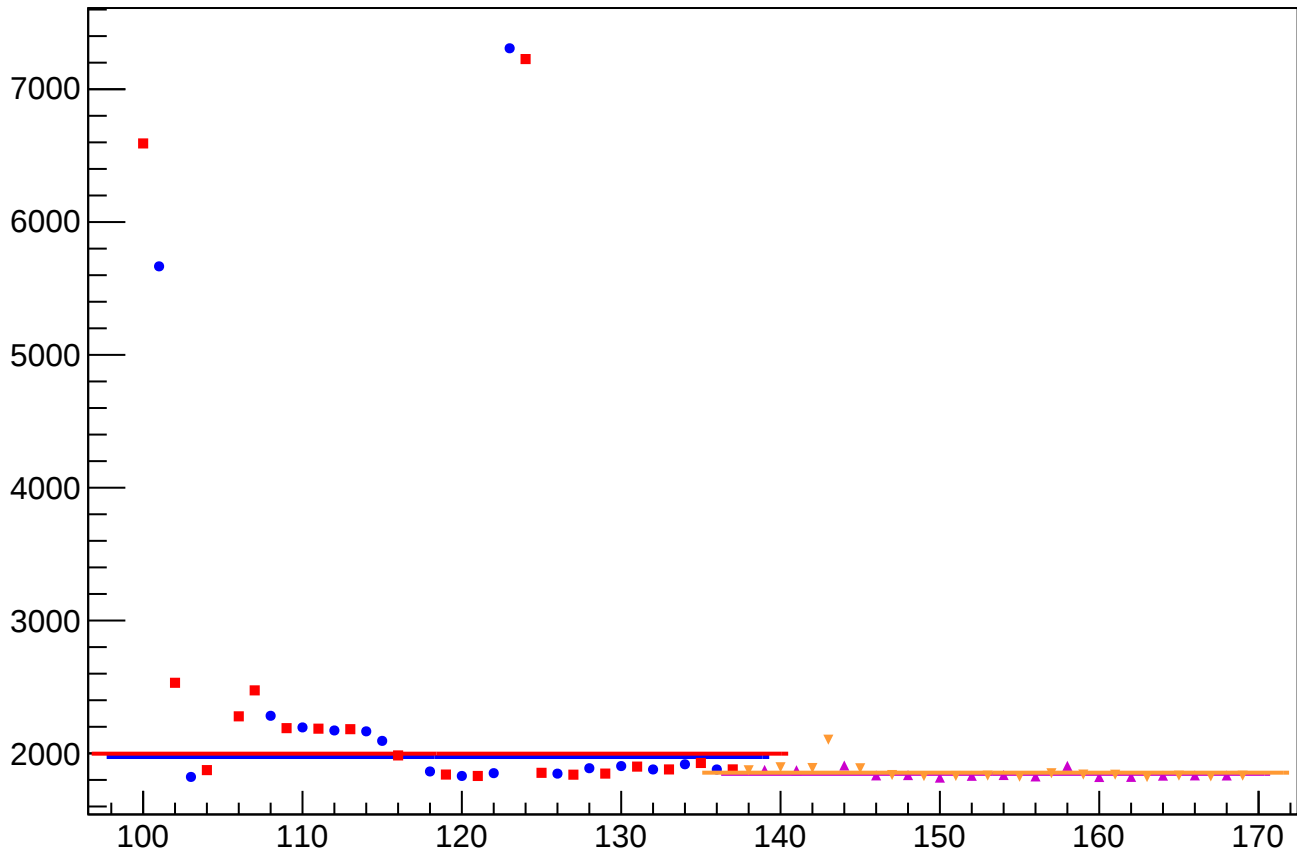
Left In: -2172.962 $\pm$ 540.500 χ^2 /NDF:24.5/14

+ sign 2109.982 $\pm$ 434.179 χ^2 /NDF: 32.6/33

All: 96.739 $\pm$ 309.600 χ^2 /NDF: 118.7/67

- sign -1985.889 $\pm$ 441.597 χ^2 /NDF: 42.4/33

reg_asym_at1_avg_rms vs Slug



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1854.513+/-0.369 χ^2/NDF : 22876.6/16

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

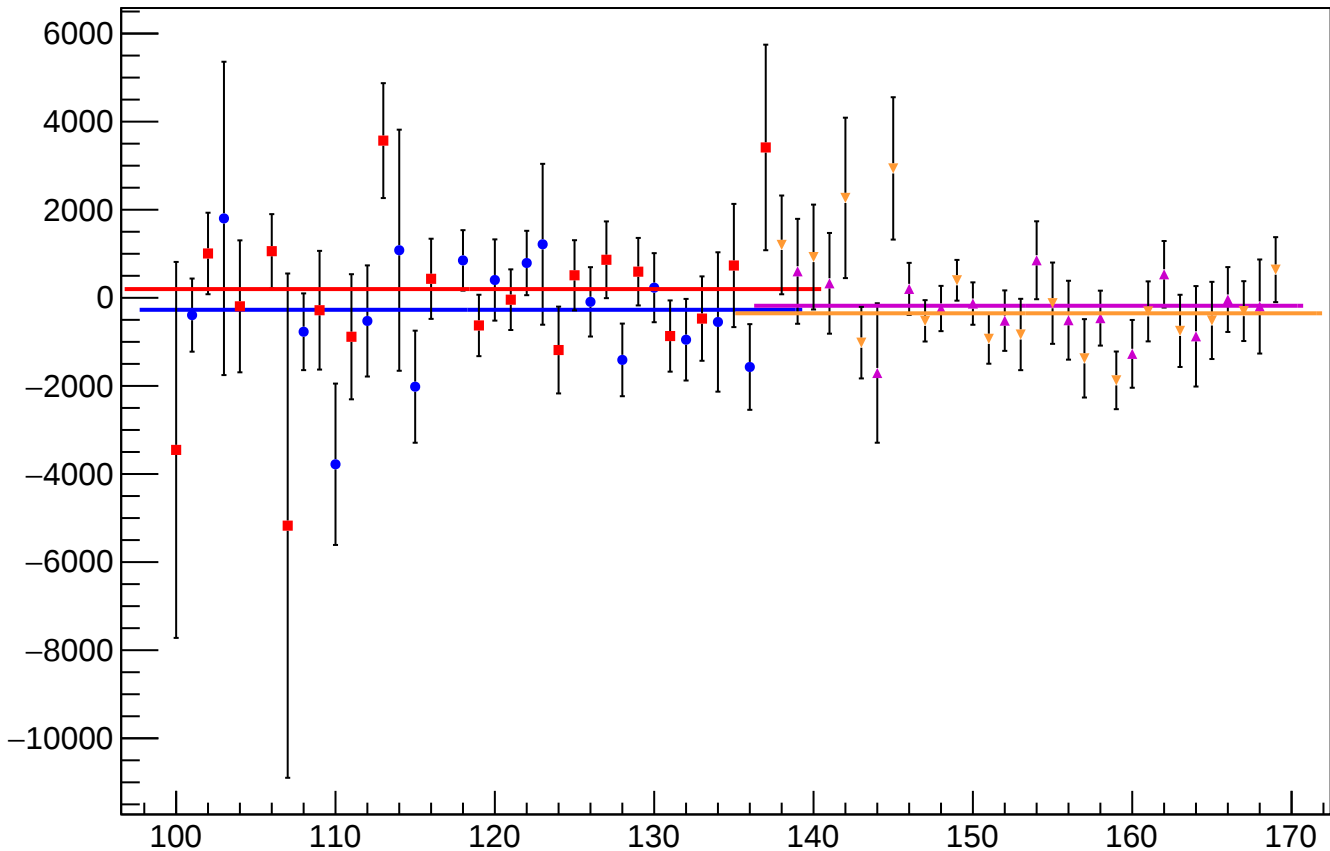
Left In: 1845.742+/-0.382 χ^2/NDF : 5710.0/14

+ sign 1890.710+/-0.307 χ^2/NDF : 655149.6/33

All: 1893.433+/-0.219 χ^2/NDF : 1069115.8/67

- sign 1896.249+/-0.312 χ^2/NDF : 413806.2/33

asym_at1_avg_correction_mean vs Slug



Right In: -271.773+/-240.214 χ^2/NDF : 17.2/16

Left Out: -351.341+/-178.777 χ^2/NDF : 23.0/16

Right Out: 198.424+/-229.035 χ^2/NDF : 19.7/18

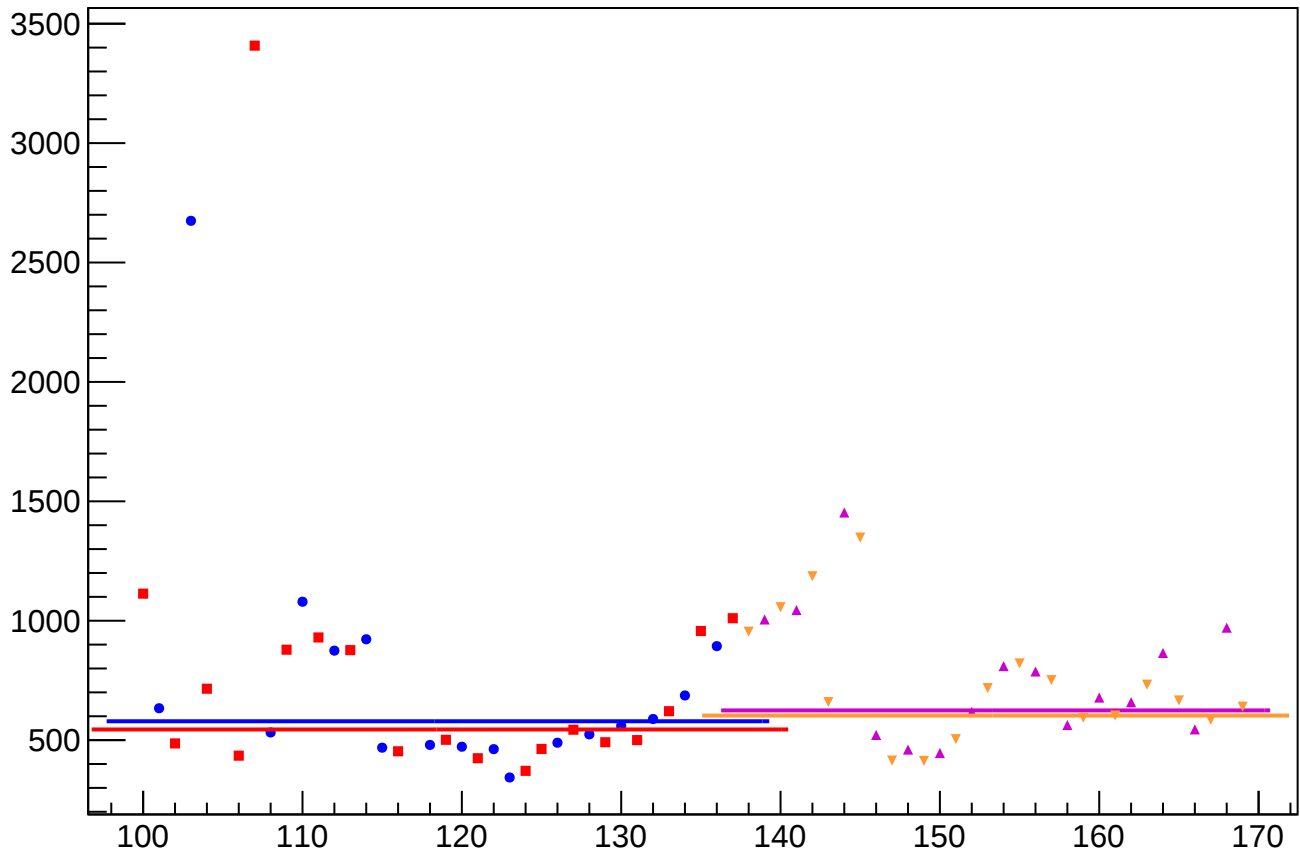
Left In: -180.273+/-192.509 χ^2/NDF : 7.3/14

+ sign -322.978+/-143.417 χ^2/NDF : 40.3/33

All: -177.304+/-102.779 χ^2/NDF : 71.0/67

- sign -23.494+/-147.367 χ^2/NDF : 28.6/33

asym_at1_avg_correction_rms vs Slug



Right In: 579.010 $\pm$ 0.170 χ^2 /NDF: 1422148.6/16

Left Out: 602.835 $\pm$ 0.126 χ^2 /NDF:2122800.8/16

Right Out: 544.674 $\pm$ 0.162 χ^2 /NDF: 1457799.9/18

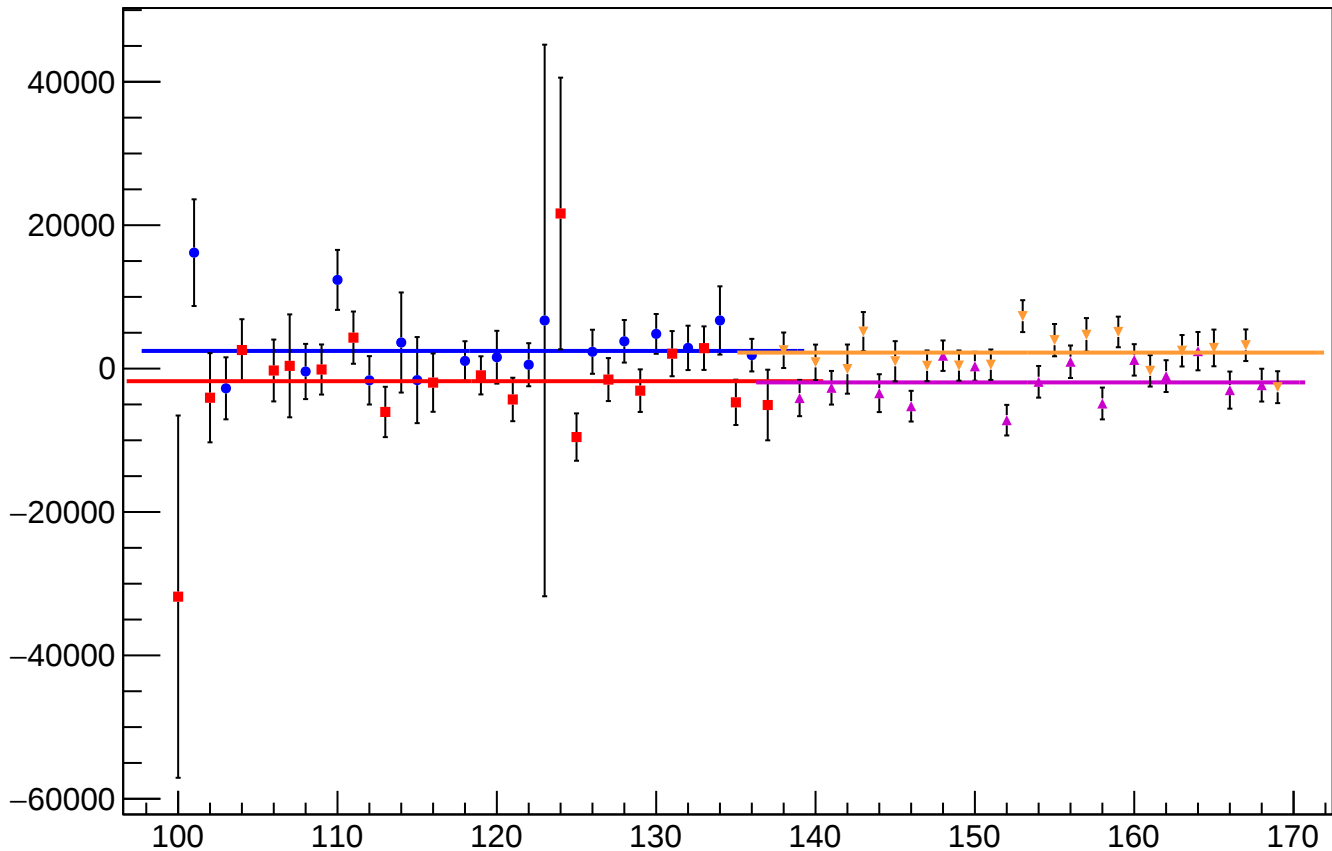
Left In: 624.441 $\pm$ 0.136 χ^2 /NDF:2071691.4/14

+ sign 594.343 $\pm$ 0.101 χ^2 /NDF: 3557610.4/33

All: 592.920 $\pm$ 0.073 χ^2 /NDF: 7229665.1/67

- sign 591.417 $\pm$ 0.104 χ^2 /NDF: 3671650.0/33

asym_at1_avg_mean vs Slug



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 2231.242 $\pm$ 566.355 χ^2 /NDF:19.3/16

Right Out: -1756.788 $\pm$ 853.292 χ^2 /NDF: 20.5/18

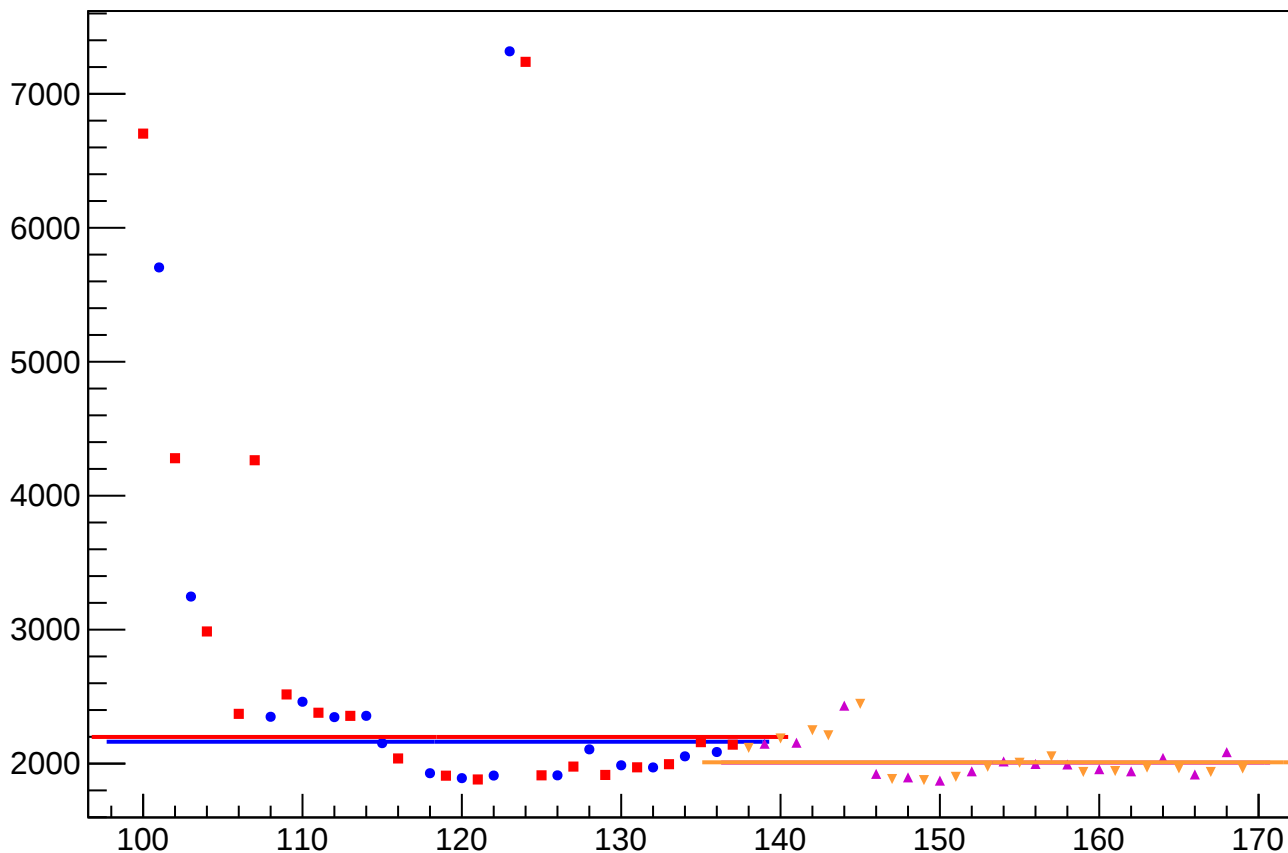
Left In: -1925.555 $\pm$ 589.005 χ^2 /NDF:22.4/14

+ sign 2301.310 $\pm$ 473.530 χ^2 /NDF: 34.9/33

All: 263.896 $\pm$ 338.729 χ^2 /NDF: 115.8/67

- sign -1871.092 $\pm$ 484.736 χ^2 /NDF: 42.9/33

asym_at1_avg_rms vs Slug



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 2009.746+/-0.400 χ^2/NDF :112676.7/16

Right Out: 2199.003+/-0.603 χ^2/NDF : 803297.2/18

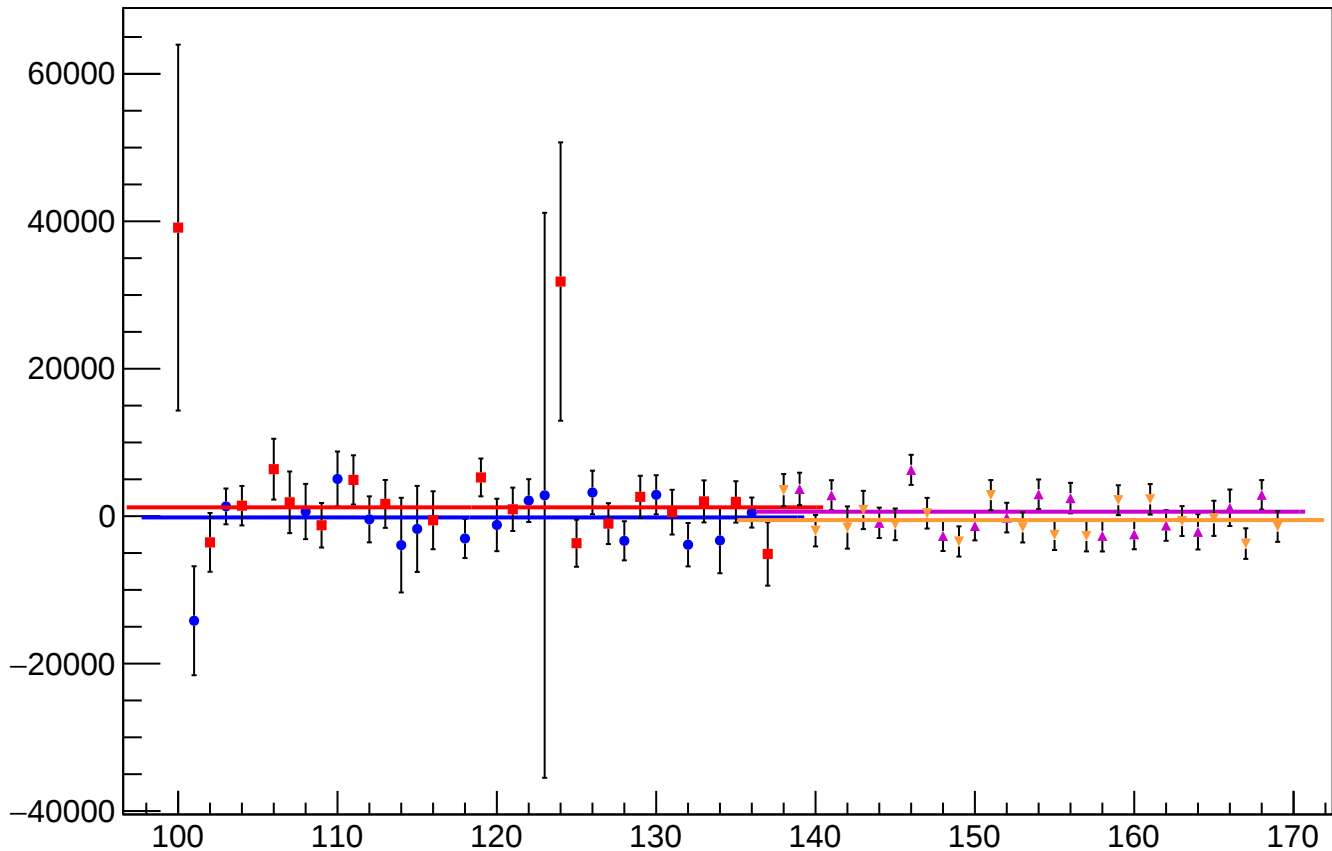
Left In: 2007.568+/-0.416 χ^2/NDF :93203.0/14

+ sign 2055.957+/-0.335 χ^2/NDF : 866506.0/33

All: 2062.495+/-0.240 χ^2/NDF : 1831966.3/67

- sign 2069.347+/-0.343 χ^2/NDF : 964679.4/33

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 χ^2/NDF : 14.5/16

Left Out: -531.007 ± 520.533 χ^2/NDF : 17.8/16

Right Out: 1197.543 ± 764.254 χ^2/NDF : 18.2/18

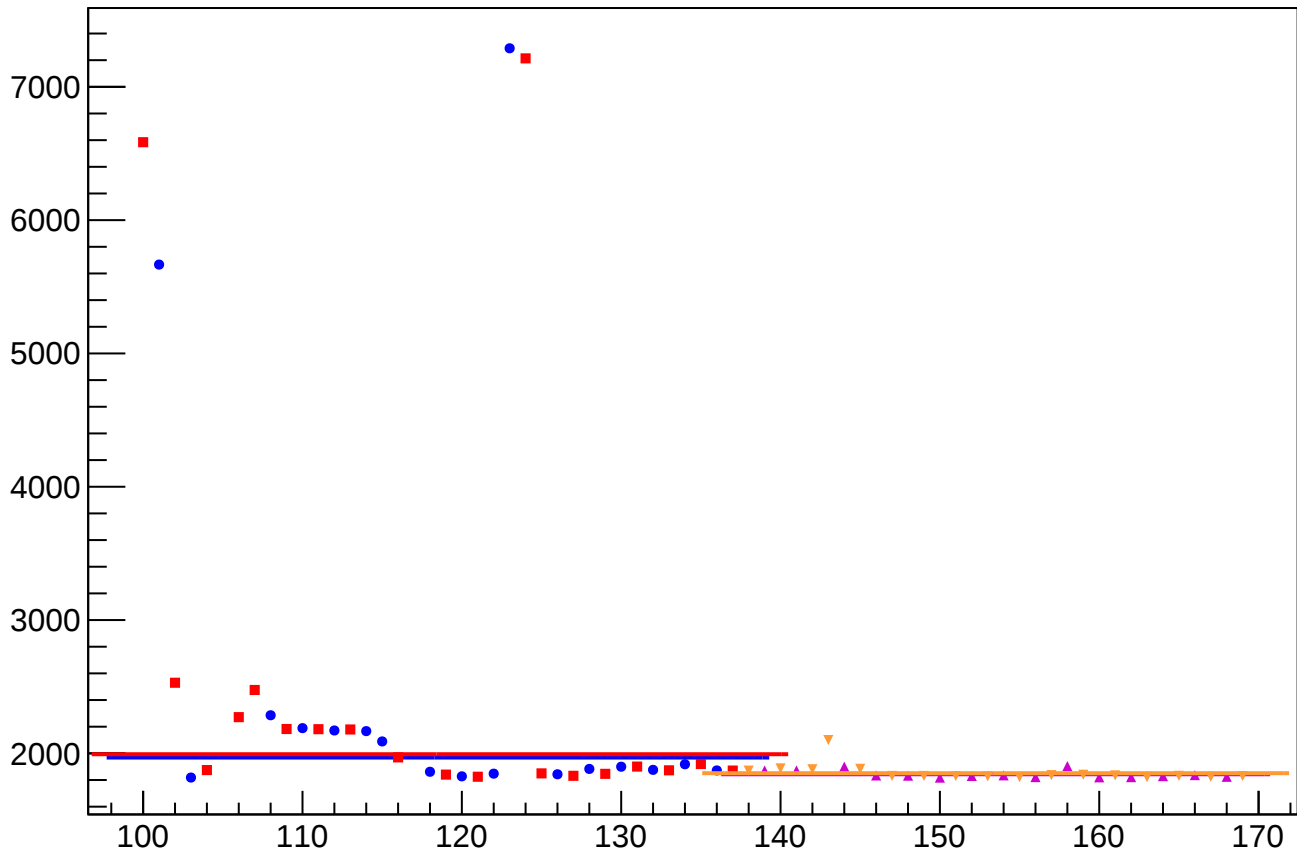
Left In: 605.914 ± 539.721 χ^2/NDF : 25.4/14

+ sign -420.347 ± 433.380 χ^2/NDF : 32.5/33

All: 180.746 ± 309.059 χ^2/NDF : 80.4/67

- sign 802.789 ± 440.867 χ^2/NDF : 44.0/33

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1851.138 $\pm$ 0.368 χ^2 /NDF: 22490.4/16

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

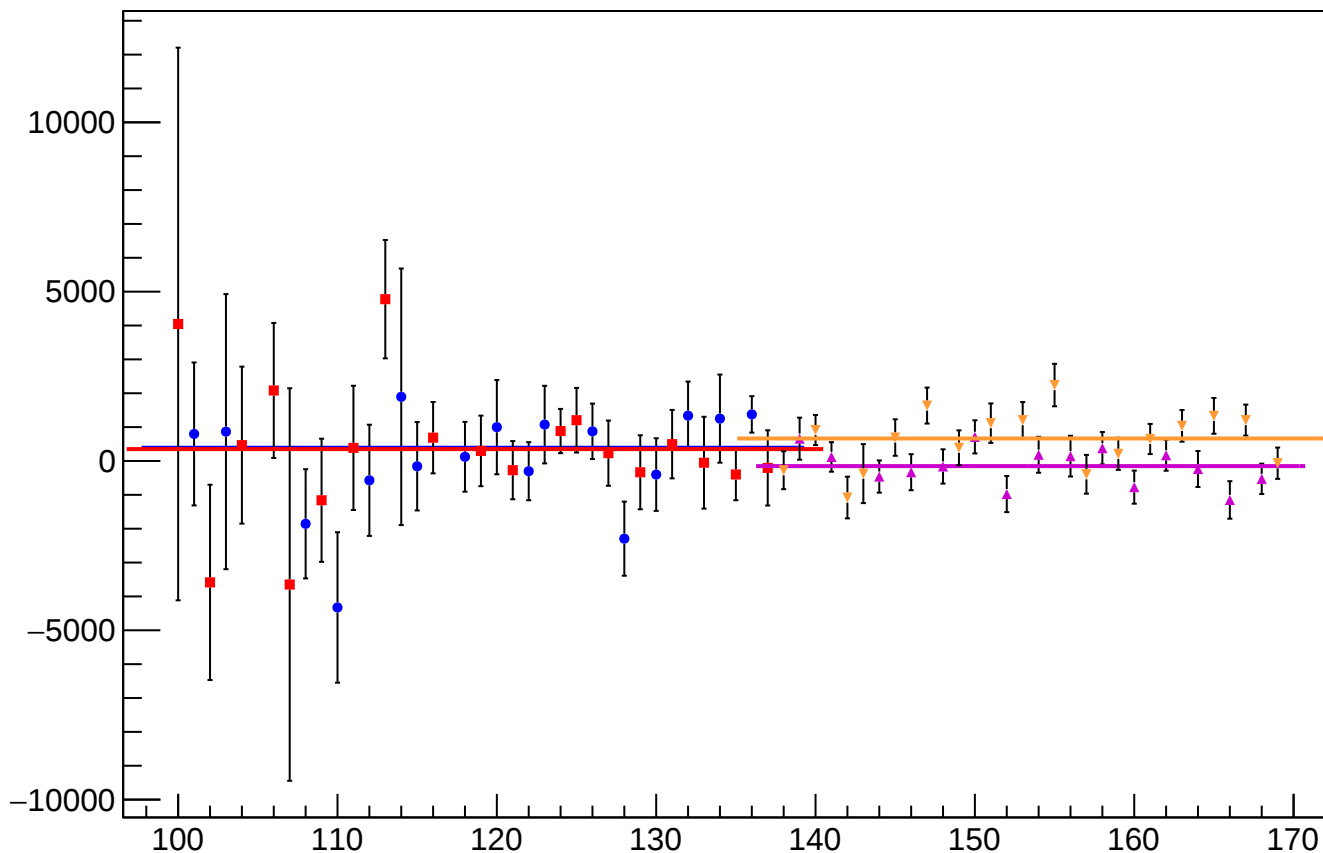
Left In: 1843.085 $\pm$ 0.382 χ^2 /NDF: 5419.5/14

+ sign 1887.189 $\pm$ 0.306 χ^2 /NDF: 656728.8/33

All: 1890.100 $\pm$ 0.219 χ^2 /NDF: 1070141.5/67

- sign 1893.112 $\pm$ 0.312 χ^2 /NDF: 413229.1/33

asym_at1_dd_correction_mean vs Slug



Right In: 390.923+/-270.128 χ^2/NDF : 20.0/16

Left Out: 664.217+/-126.866 χ^2/NDF :34.6/16

Right Out: 350.642+/-266.097 χ^2/NDF : 14.2/18

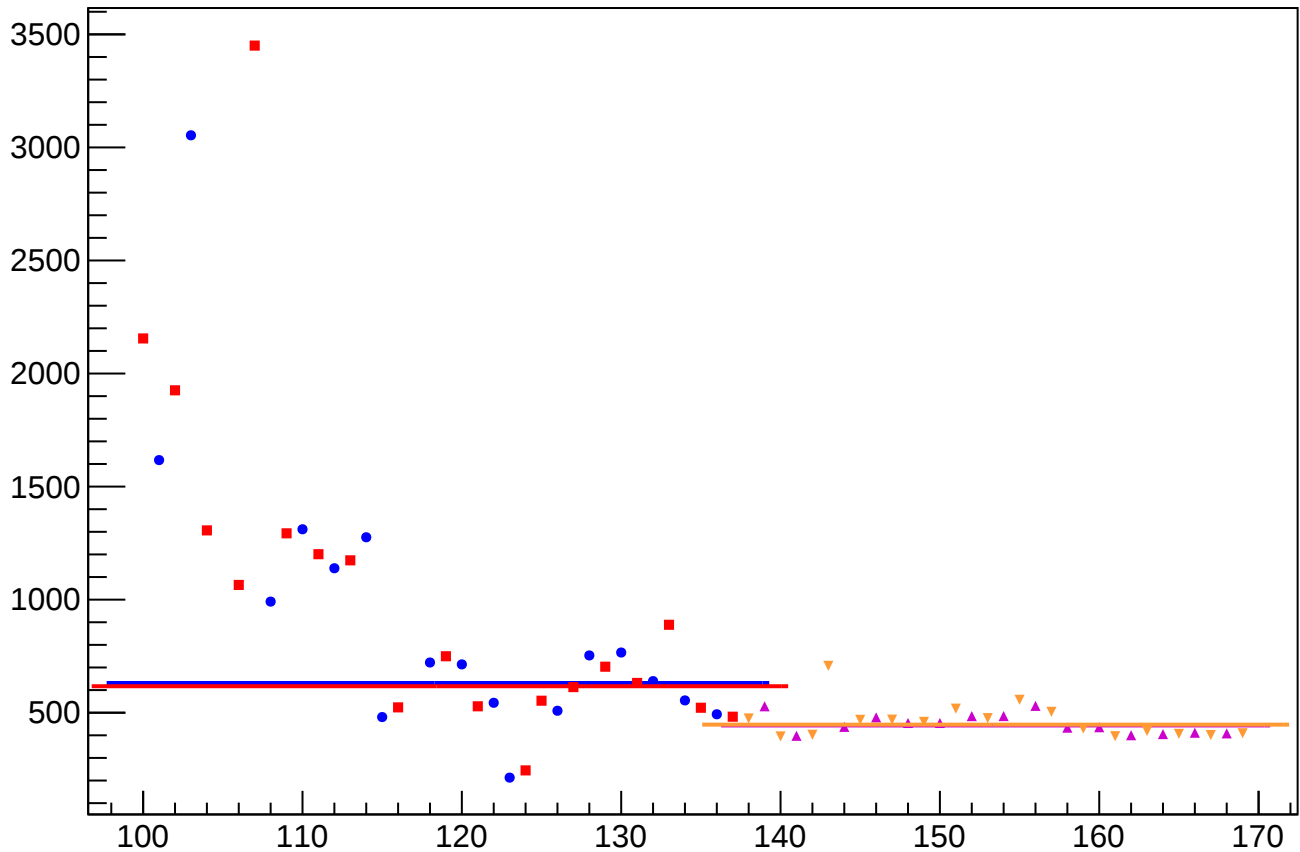
Left In: -151.532+/-130.374 χ^2/NDF :16.1/14

+ sign 614.830+/-114.832 χ^2/NDF : 55.5/33

All: 286.732+/-81.981 χ^2/NDF : 105.3/67

- sign -54.320+/-117.077 χ^2/NDF : 33.2/33

asym_at1_dd_correction_rms vs Slug



Right In: 631.430 ± 0.191 χ^2/NDF : 2260692.7/16

Left Out: 447.259 ± 0.090 χ^2/NDF : 427240.6/16

Right Out: 617.035 ± 0.188 χ^2/NDF : 2802149.9/18

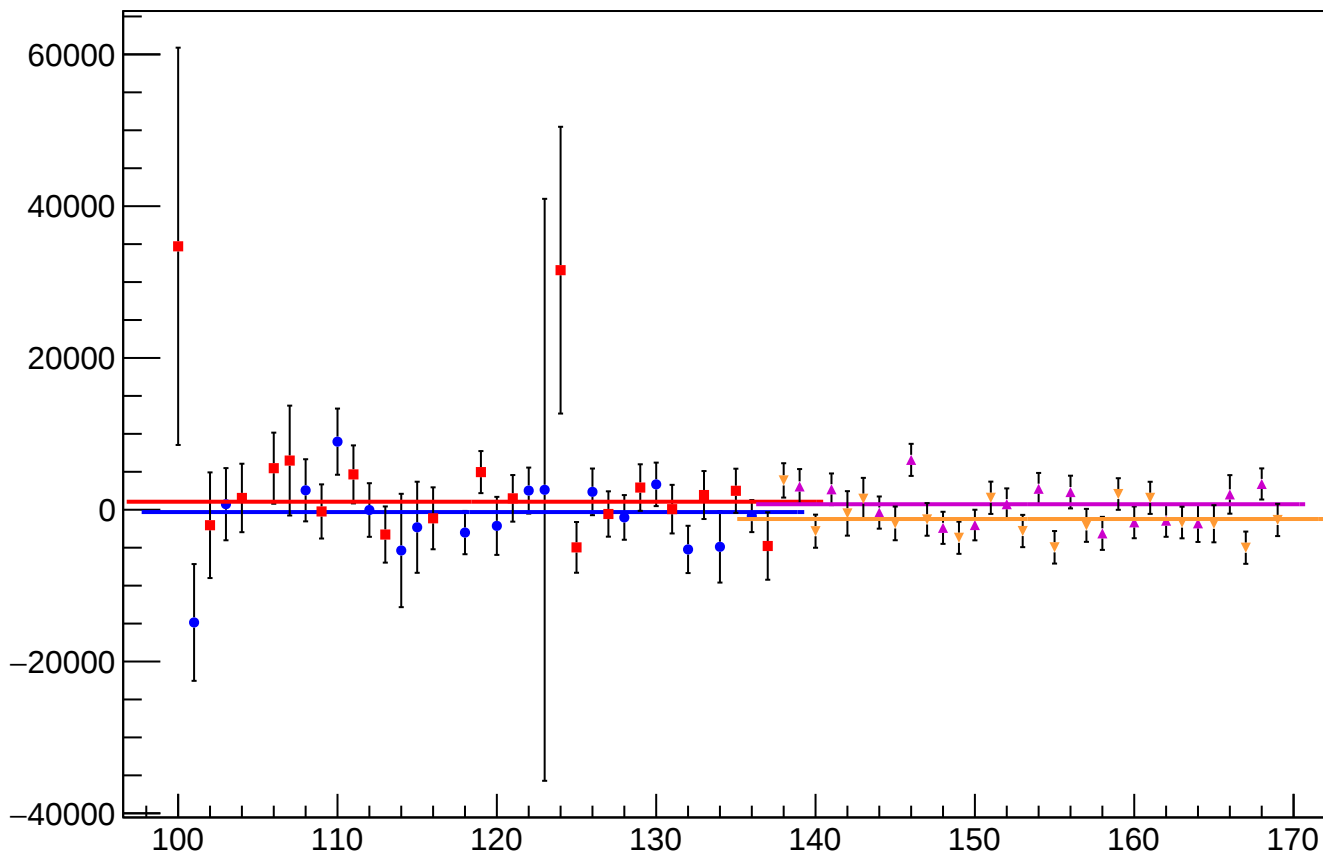
Left In: 443.638 ± 0.092 χ^2/NDF : 184703.9/14

+ sign 480.541 ± 0.081 χ^2/NDF : 3449601.9/33

All: 478.905 ± 0.058 χ^2/NDF : 7122136.9/67

- sign 477.205 ± 0.083 χ^2/NDF : 3671707.2/33

asym_at1_dd_mean vs Slug



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -1221.855 ± 537.406 χ^2/NDF : 21.0/16

Right Out: 1056.856 ± 867.445 χ^2/NDF : 16.6/18

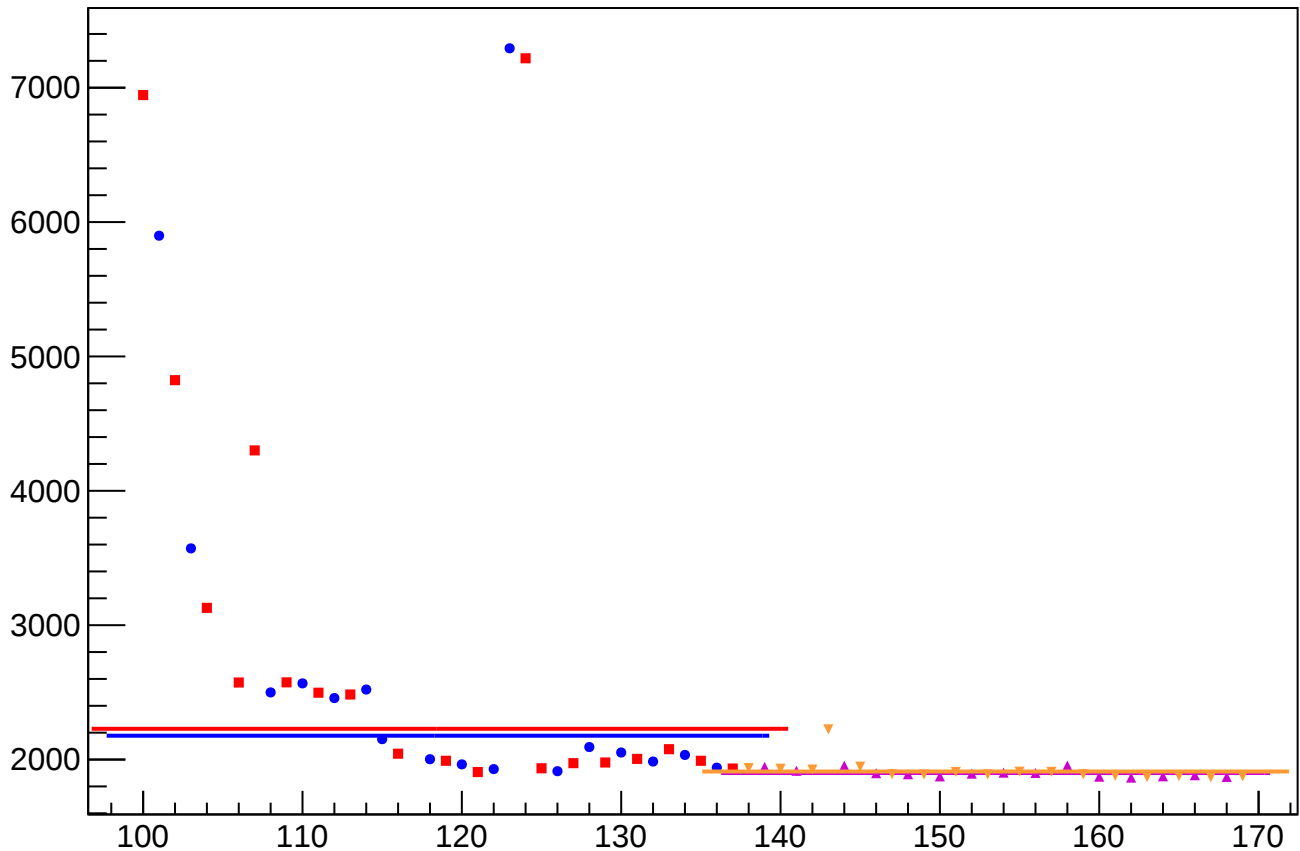
Left In: 725.182 ± 556.316 χ^2/NDF : 23.8/14

+ sign -969.640 ± 457.490 χ^2/NDF : 39.0/33

All: -94.789 ± 327.245 χ^2/NDF : 87.0/67

- sign 821.843 ± 468.287 χ^2/NDF : 40.6/33

asym_at1_dd_rms vs Slug



Right In: 2177.446+/-0.617 χ^2/NDF : 802836.7/16

Left Out: 1911.049+/-0.380 χ^2/NDF : 30781.5/16

Right Out: 2229.014+/-0.613 χ^2/NDF : 895809.1/18

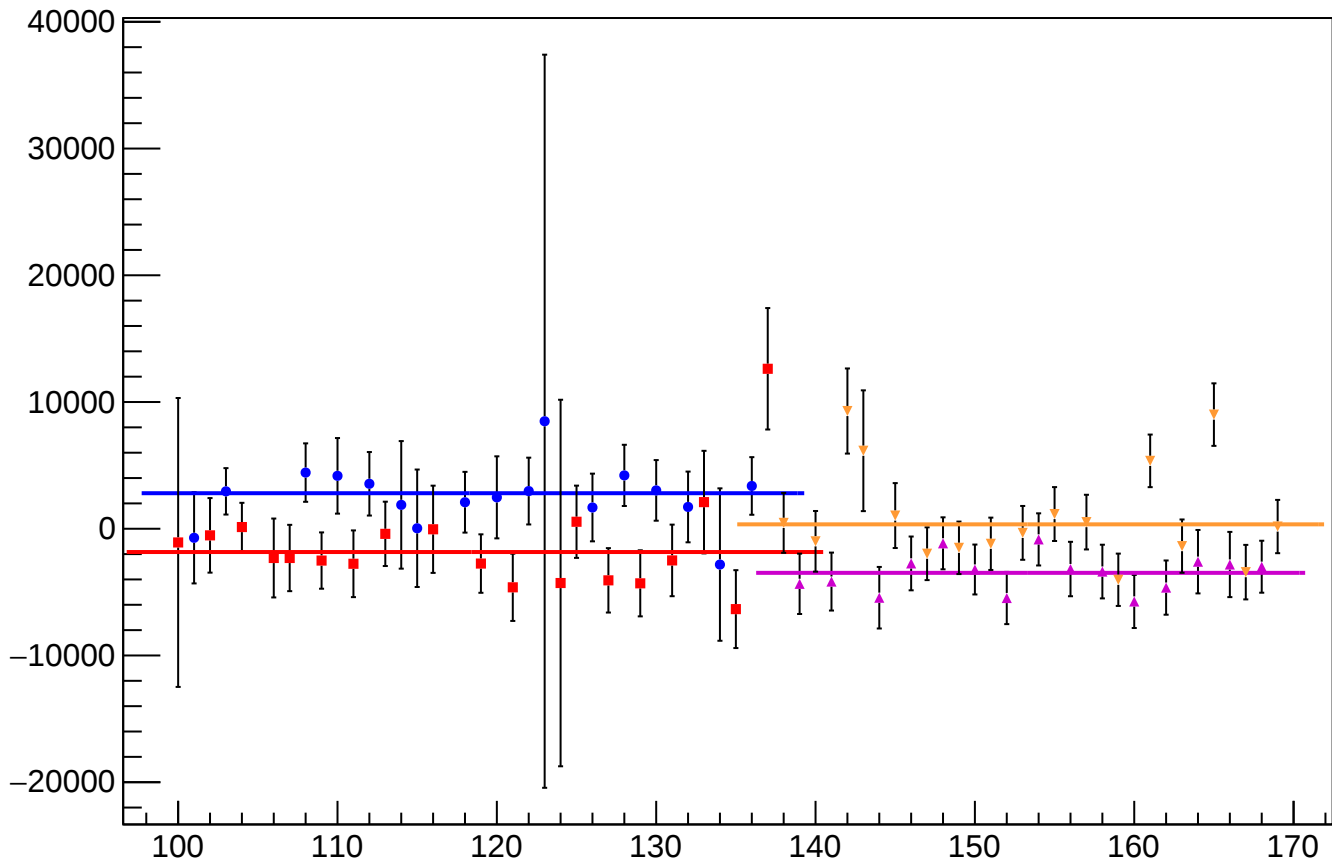
Left In: 1899.941+/-0.393 χ^2/NDF : 5448.4/14

+ sign 1984.388+/-0.323 χ^2/NDF : 968916.6/33

All: 1989.982+/-0.231 χ^2/NDF : 2074731.3/67

- sign 1995.844+/-0.331 χ^2/NDF : 1105202.3/33

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917+/-678.548 χ^2/NDF : 3.9/16

Left Out: 347.304+/-550.942 χ^2/NDF : 38.2/16

Right Out: -1837.168+/-655.307 χ^2/NDF : 18.0/18

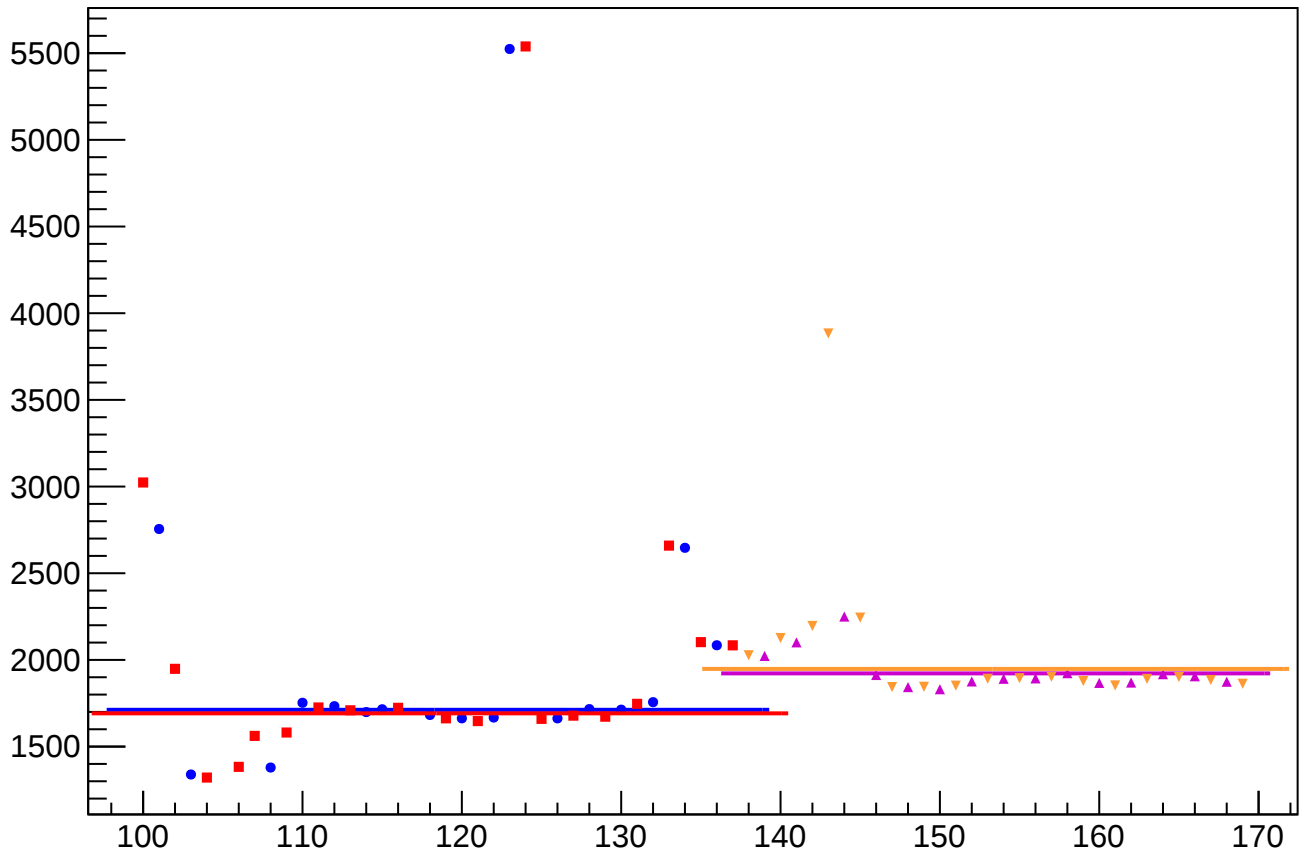
Left In: -3479.938+/-562.381 χ^2/NDF : 6.6/14

+ sign 1323.361+/-427.711 χ^2/NDF : 50.0/33

All: -734.440+/-302.104 χ^2/NDF : 124.5/67

- sign -2783.193+/-426.769 χ^2/NDF : 28.3/33

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154 ± 0.480 χ^2/NDF : 432478.4/16

Left Out: 1948.165 ± 0.390 χ^2/NDF : 412533.2/16

Right Out: 1691.747 ± 0.463 χ^2/NDF : 454922.1/18

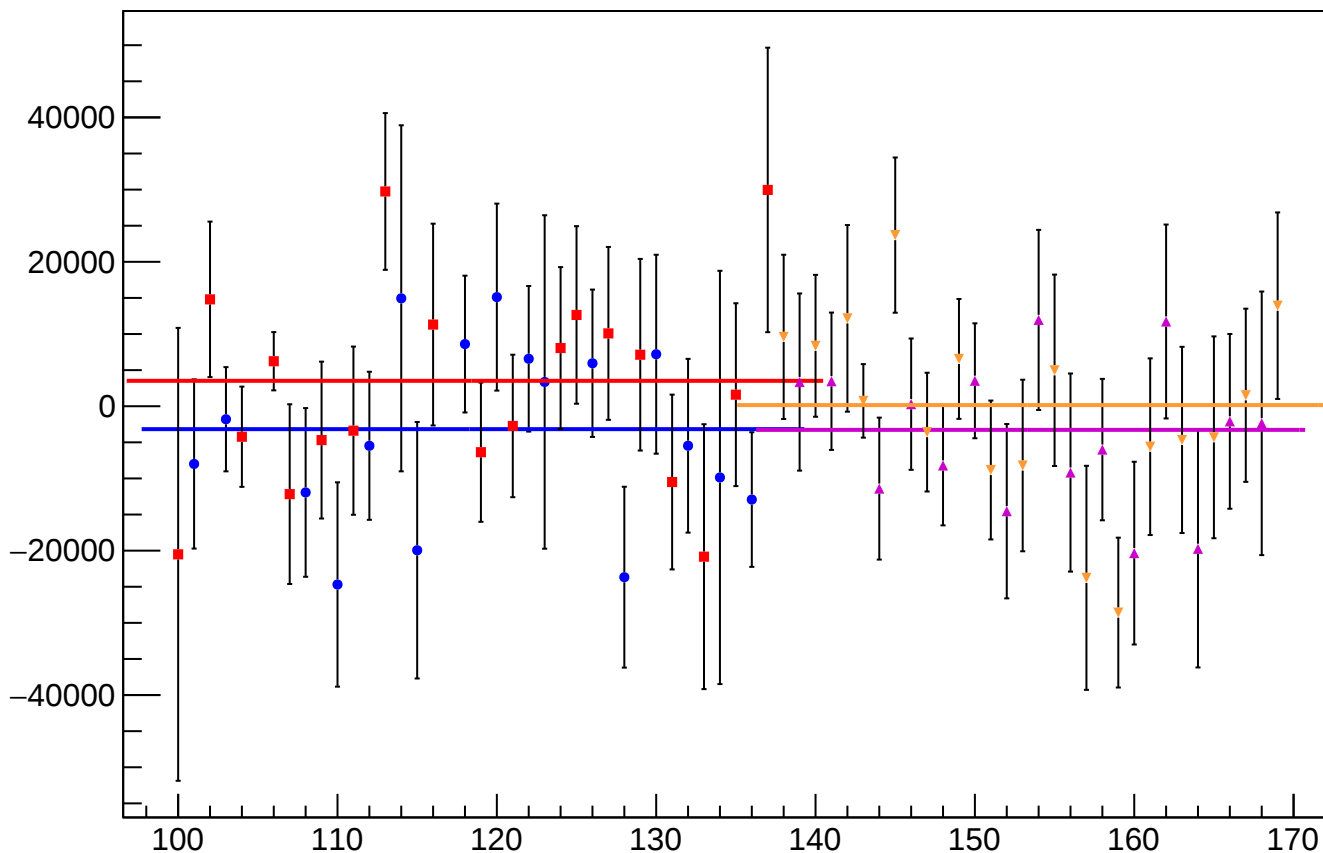
Left In: 1922.304 ± 0.398 χ^2/NDF : 65205.1/14

+ sign 1854.393 ± 0.302 χ^2/NDF : 990833.3/33

All: 1839.422 ± 0.214 χ^2/NDF : 1658420.2/67

- sign 1824.517 ± 0.302 χ^2/NDF : 662696.9/33

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245+/-2851.982 χ^2/NDF : 14.4/16

Left Out: 158.961+/-2436.790 χ^2/NDF : 21.0/16

Right Out: 3520.105+/-2266.532 χ^2/NDF : 19.5/18

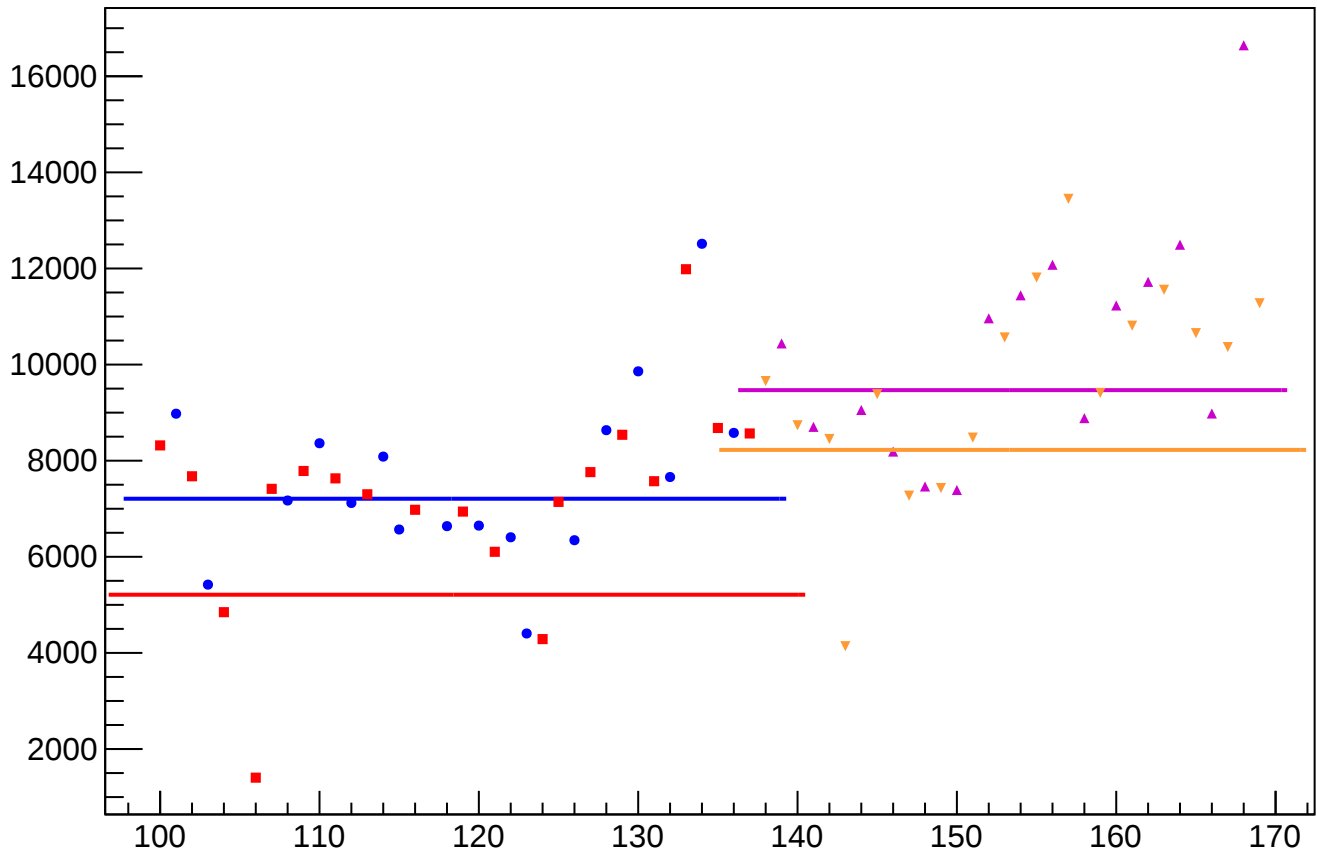
Left In: -3272.213+/-2830.268 χ^2/NDF : 9.4/14

+ sign -1247.151+/-1852.639 χ^2/NDF : 36.2/33

All: -141.822+/-1279.478 χ^2/NDF : 69.3/67

- sign 866.137+/-1769.157 χ^2/NDF : 32.4/33

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 8224.886+/-1.723 χ^2/NDF : 2330630.2/16

Right Out: 5211.187+/-1.603 χ^2/NDF : 3196870.2/18

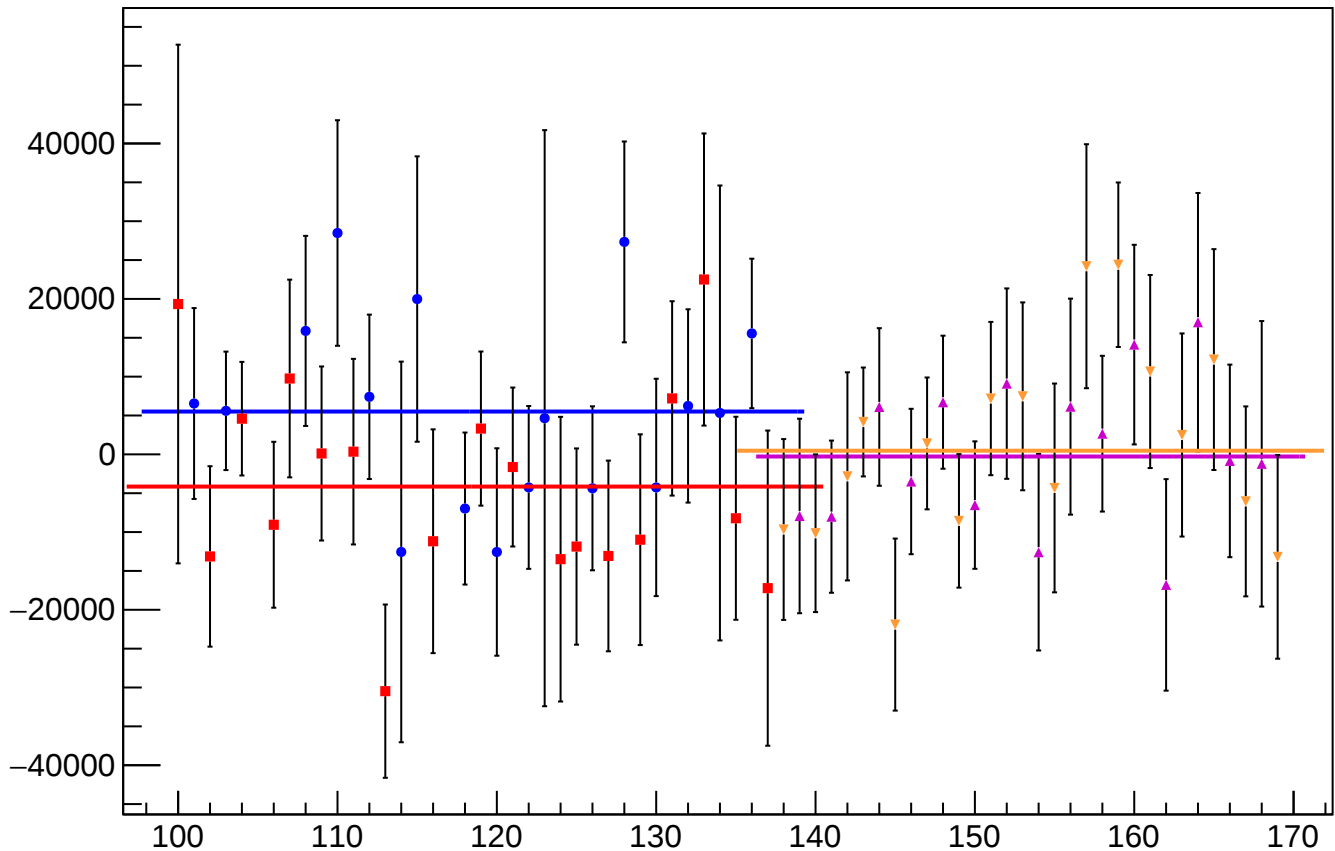
Left In: 9468.249+/-2.001 χ^2/NDF : 957266.1/14

+ sign 7796.024+/-1.310 χ^2/NDF : 2946737.6/33

All: 7314.059+/-0.905 χ^2/NDF : 10116454.2/6

- sign 6874.552+/-1.251 χ^2/NDF : 6910928.1/33

asym_at2_avg_mean vs Slug



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: 468.318 $\pm$ 2634.060 χ^2 /NDF: 18.5/16

Right Out: -4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

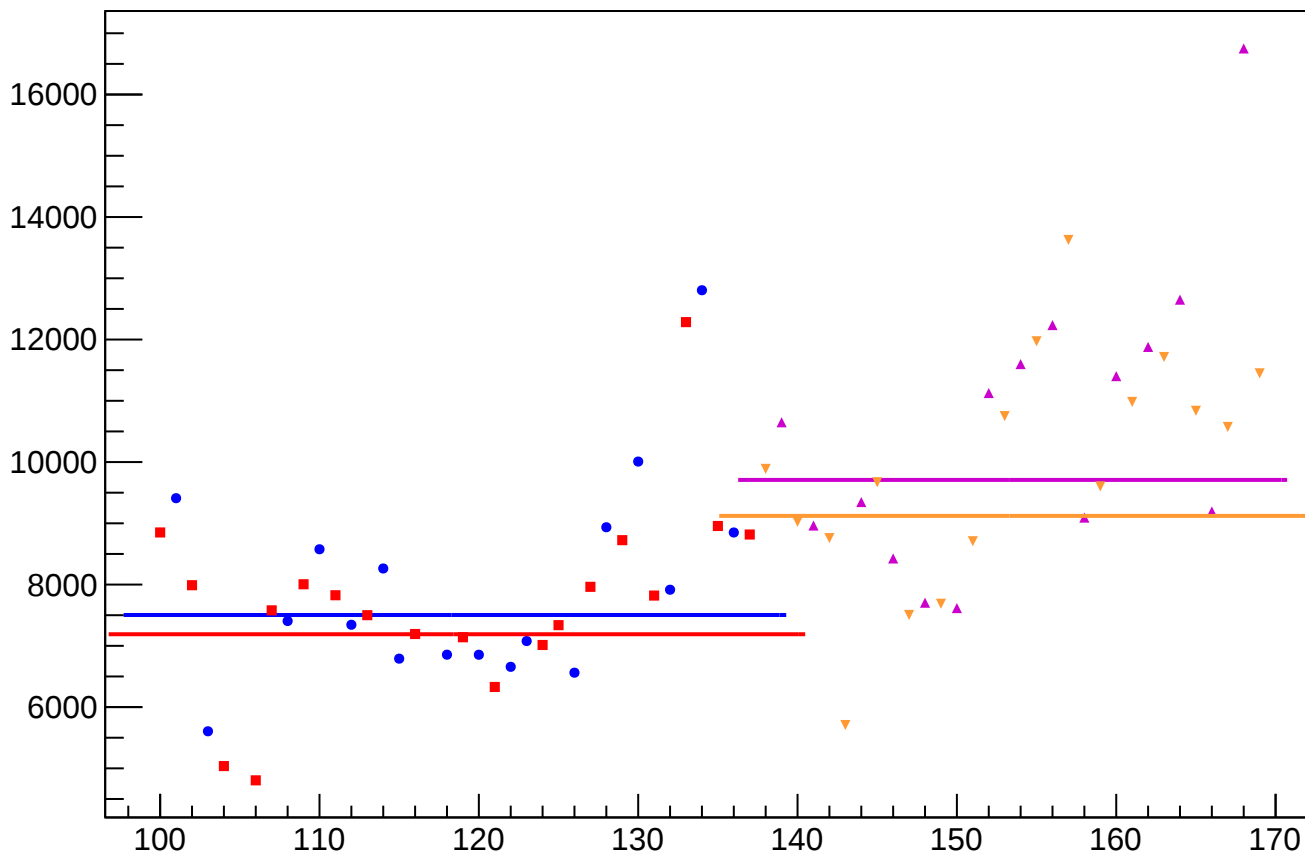
Left In: -277.665 $\pm$ 2897.470 χ^2 /NDF: 8.4/14

+ sign 2686.883 $\pm$ 1970.979 χ^2 /NDF: 34.2/33

All: 249.560 $\pm$ 1407.226 χ^2 /NDF: 62.0/67

- sign -2284.790 $\pm$ 2009.827 χ^2 /NDF: 24.8/33

asym_at2_avg_rms vs Slug



Right In: 7503.667+/-2.101 χ^2/NDF : 427313.5/16

Left Out: 9121.303+/-1.863 χ^2/NDF : 1161538.3/16

Right Out: 7189.231+/-1.973 χ^2/NDF : 557703.4/18

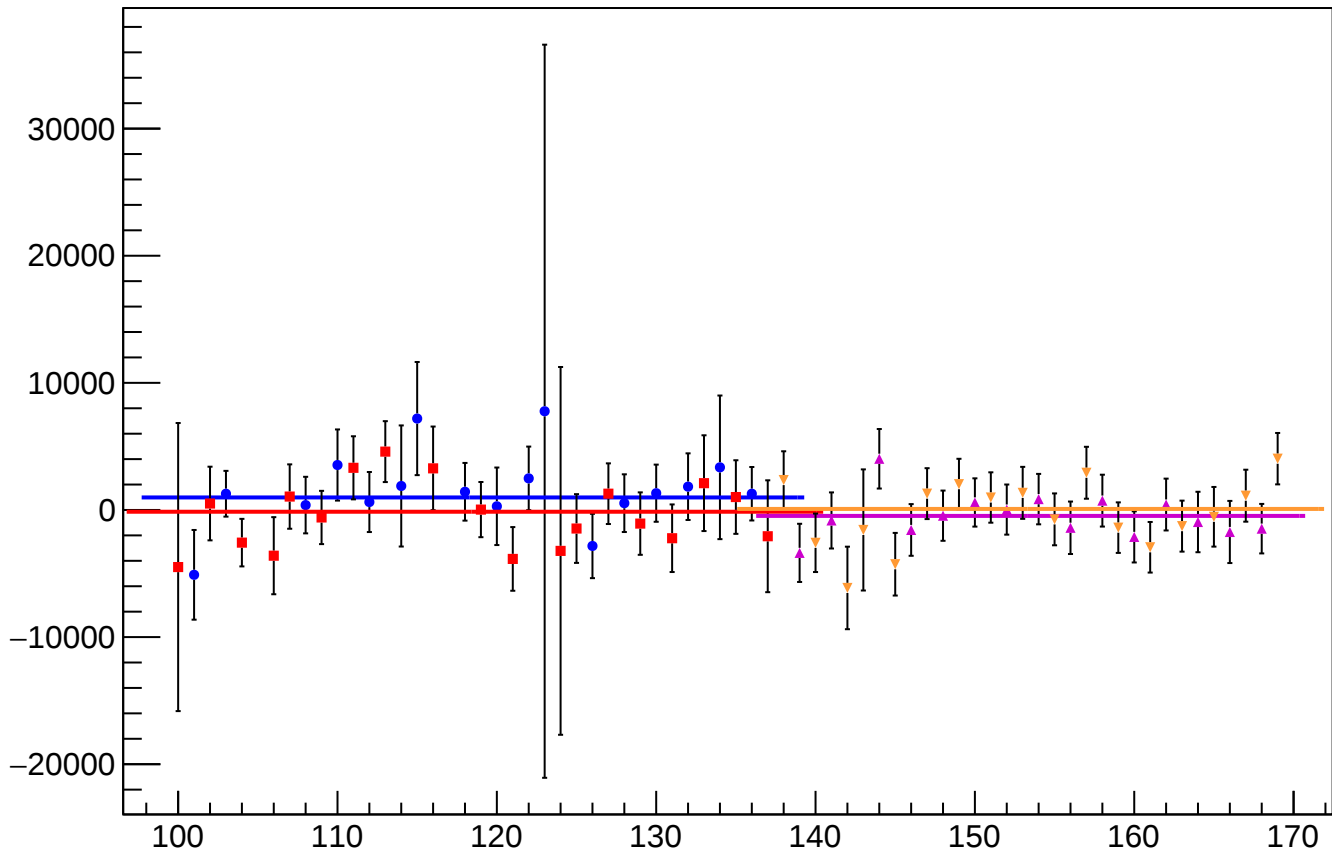
Left In: 9708.532+/-2.049 χ^2/NDF : 894002.7/14

+ sign 8409.365+/-1.394 χ^2/NDF : 1920824.0/33

All: 8405.376+/-0.995 χ^2/NDF : 4157147.4/67

- sign 8401.228+/-1.421 χ^2/NDF : 2236306.7/33

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 ± 644.630 χ^2/NDF : 9.1/16

Left Out: 81.819 ± 528.346 χ^2/NDF : 20.7/16

Right Out: -138.627 ± 623.555 χ^2/NDF : 14.7/18

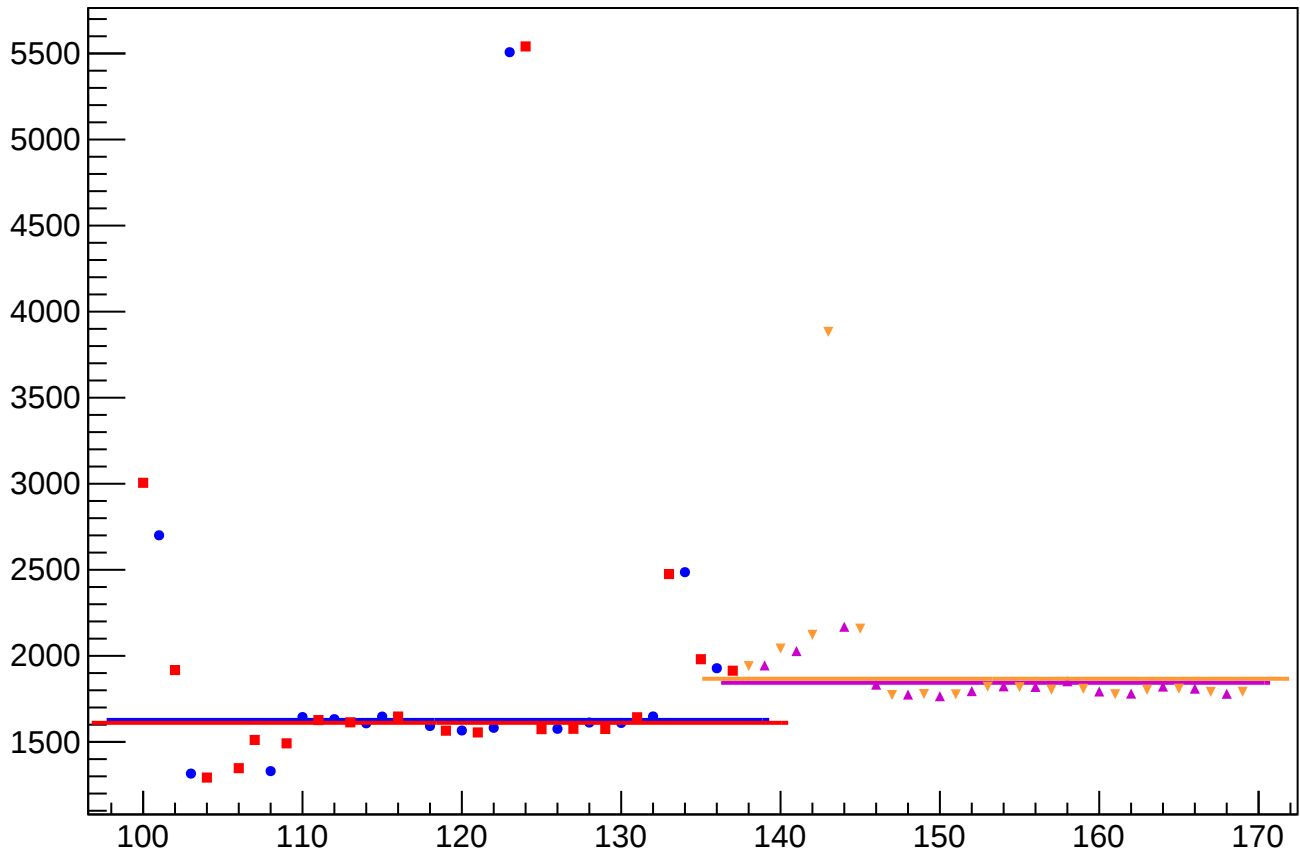
Left In: -466.945 ± 539.400 χ^2/NDF : 8.4/14

+ sign 444.925 ± 408.631 χ^2/NDF : 30.9/33

All: 58.606 ± 288.703 χ^2/NDF : 56.0/67

- sign -326.421 ± 407.947 χ^2/NDF : 23.3/33

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1867.077 $\pm$ 0.374 χ^2 /NDF: 443365.7/16

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

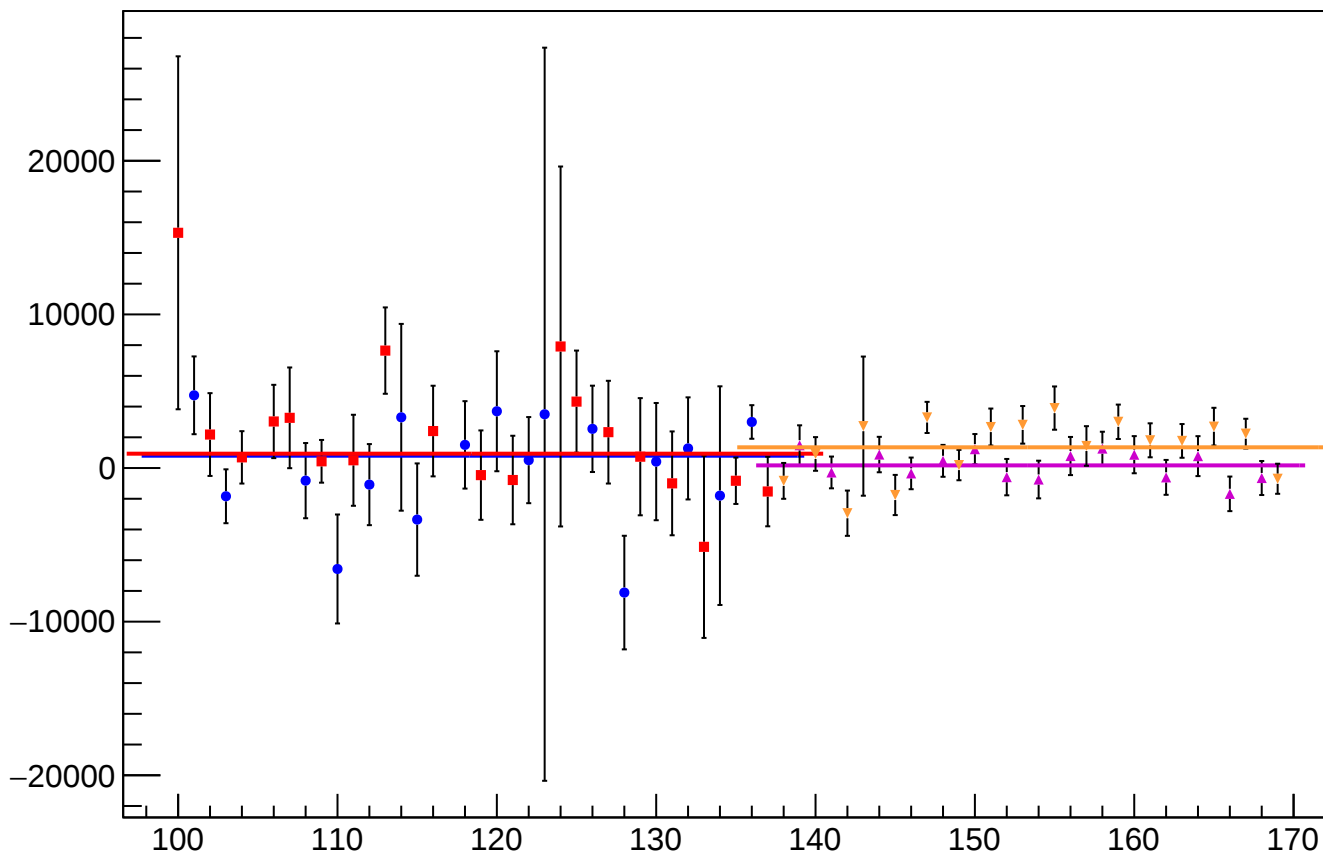
Left In: 1843.542 $\pm$ 0.381 χ^2 /NDF: 69922.0/14

+ sign 1770.943 $\pm$ 0.289 χ^2 /NDF: 1015252.5/33

All: 1757.443 $\pm$ 0.204 χ^2 /NDF: 1682664.7/67

- sign 1743.989 $\pm$ 0.288 χ^2 /NDF: 663053.8/33

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 ± 631.676 χ^2/NDF : 22.4/16

Left Out: 1348.893 ± 284.686 χ^2/NDF : 37.8/16

Right Out: 933.645 ± 589.727 χ^2/NDF : 15.3/18

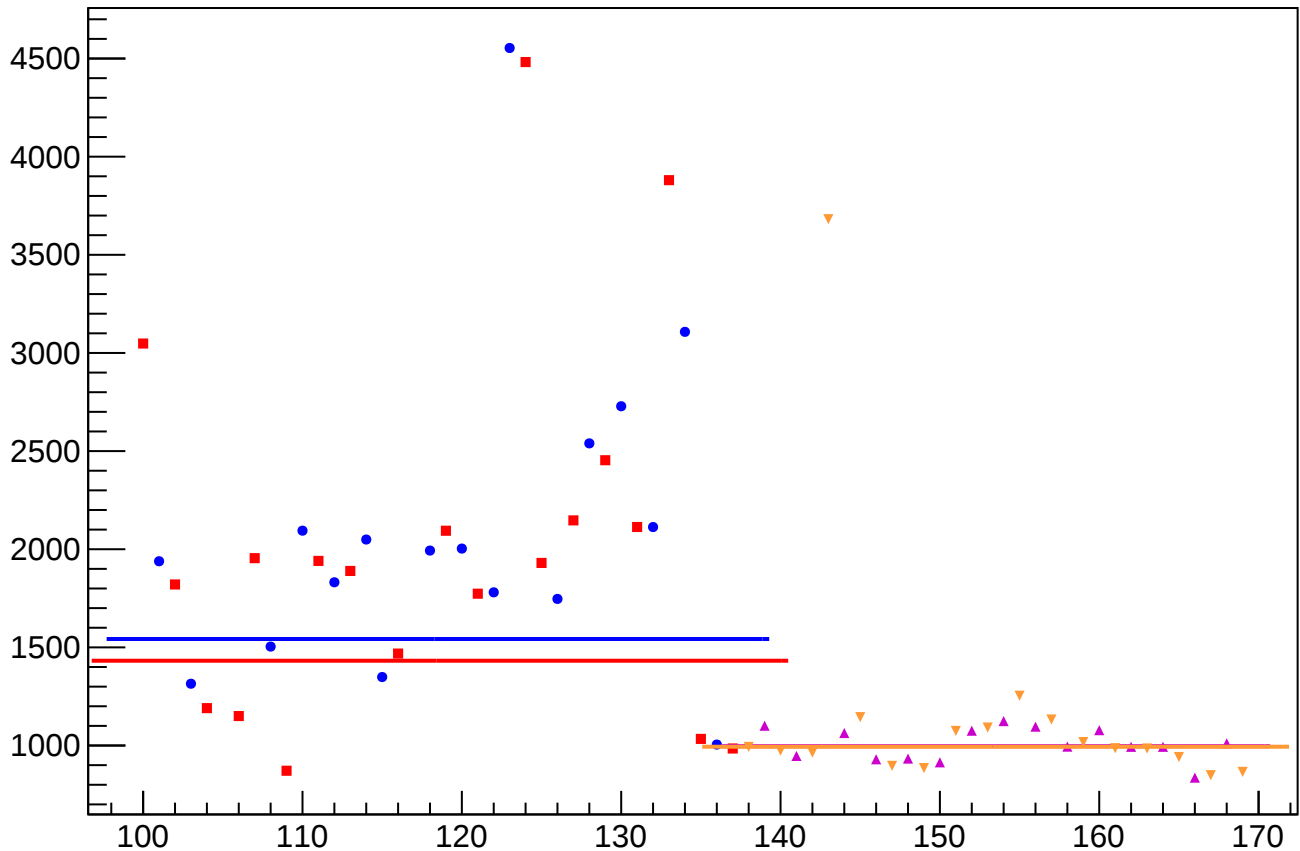
Left In: 171.884 ± 292.376 χ^2/NDF : 9.6/14

+ sign 1256.741 ± 259.545 χ^2/NDF : 60.8/33

All: 793.771 ± 184.370 χ^2/NDF : 93.4/67

- sign 322.182 ± 261.950 χ^2/NDF : 26.2/33

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705+/-0.447 χ^2 /NDF: 1287946.3/16

Left Out: 993.865+/-0.201 χ^2 /NDF: 971650.2/16

Right Out: 1432.013+/-0.417 χ^2 /NDF: 1823809.4/18

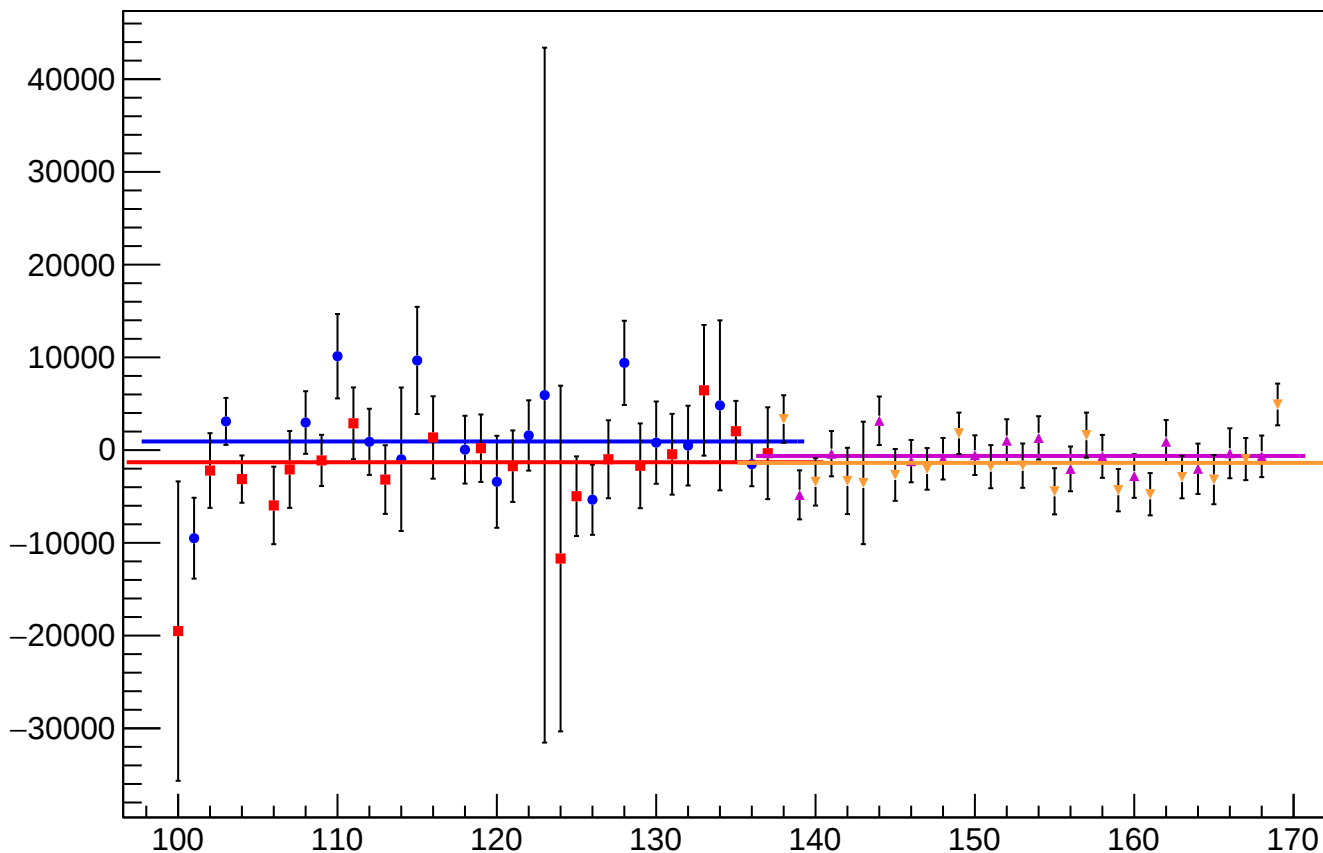
Left In: 996.618+/-0.207 χ^2 /NDF: 147582.6/14

+ sign 1086.522+/-0.184 χ^2 /NDF: 3514545.5/33

All: 1084.541+/-0.130 χ^2 /NDF: 6361250.9/67

- sign 1082.523+/-0.185 χ^2 /NDF: 2846470.1/33

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1377.218 ± 604.903 χ^2/NDF : 22.5/16

Right Out: -1307.802 ± 925.415 χ^2/NDF : 8.5/18

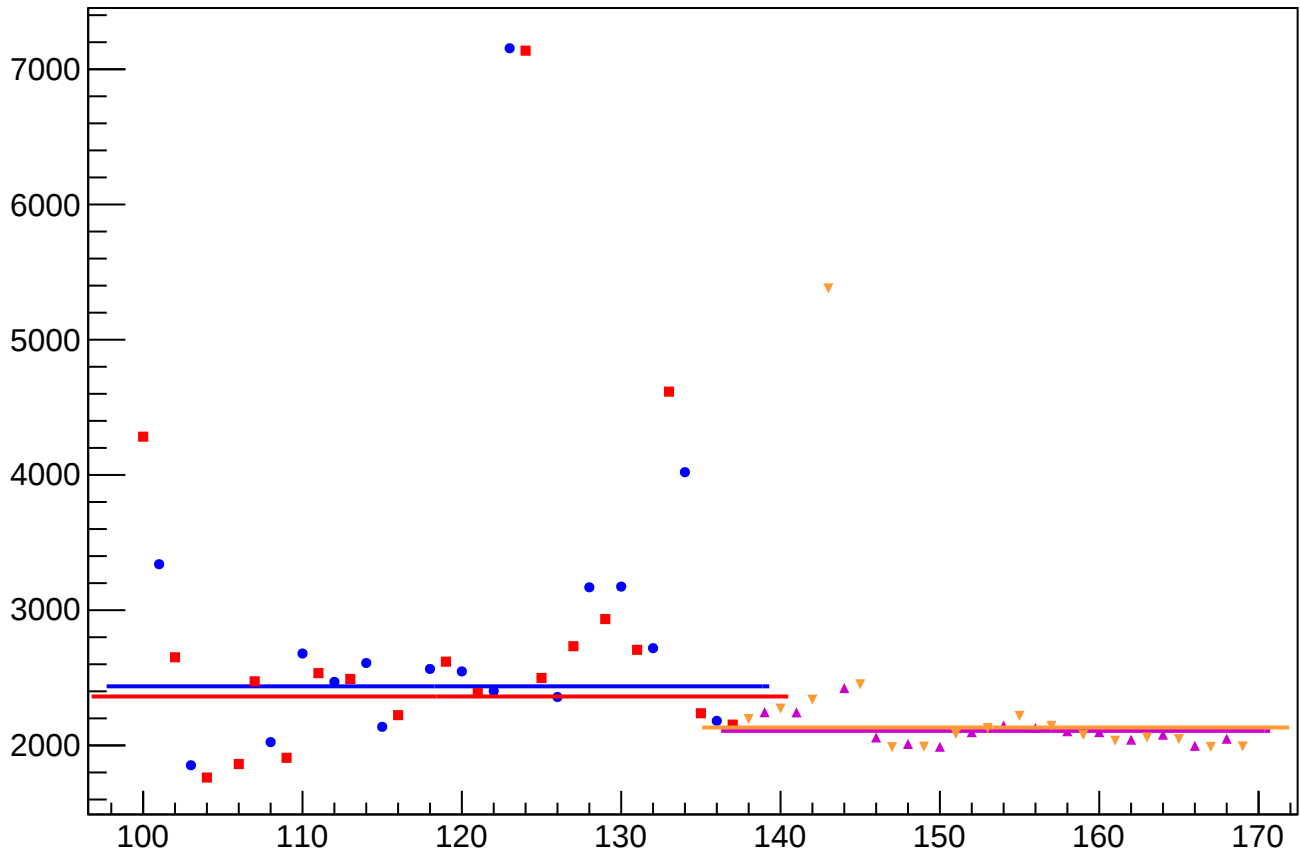
Left In: -629.682 ± 616.431 χ^2/NDF : 7.8/14

+ sign -728.424 ± 512.971 χ^2/NDF : 48.2/33

All: -783.253 ± 362.747 χ^2/NDF : 64.9/67

- sign -838.094 ± 513.033 χ^2/NDF : 16.7/33

asym_at2_dd_rms vs Slug



Right In: 2436.855 ± 0.684 χ^2/NDF : 469030.2/16

Left Out: 2132.401 ± 0.428 χ^2/NDF : 567889.1/16

Right Out: 2361.880 ± 0.654 χ^2/NDF : 655847.5/18

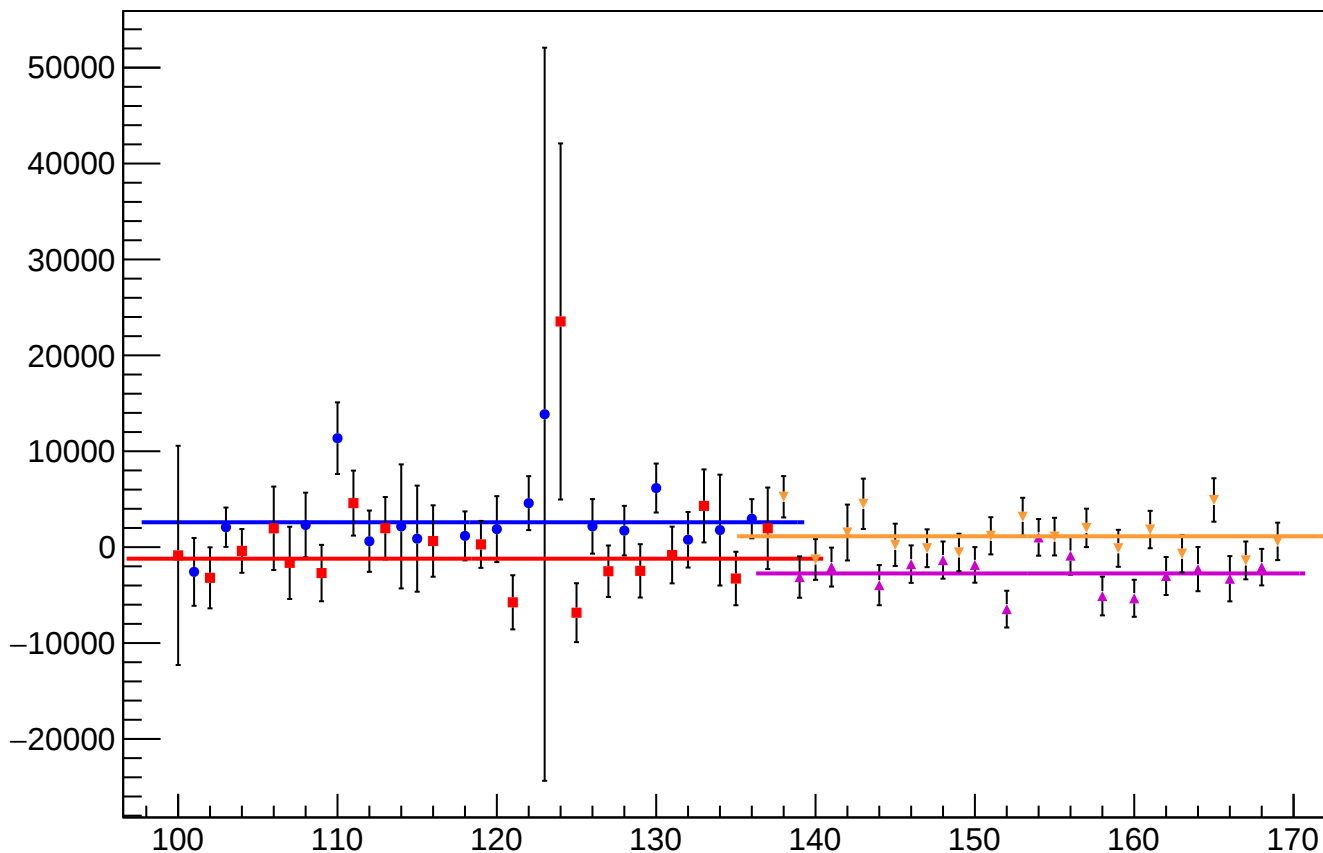
Left In: 2107.372 ± 0.436 χ^2/NDF : 58912.7/14

+ sign 2217.910 ± 0.363 χ^2/NDF : 1179215.0/33

All: 2201.753 ± 0.257 χ^2/NDF : 2002725.4/67

- sign 2185.592 ± 0.363 χ^2/NDF : 819541.8/33

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1133.484 $\pm$ 502.139 χ^2 /NDF:15.1/16

Right Out: -1202.548 $\pm$ 739.618 χ^2 /NDF: 17.2/18

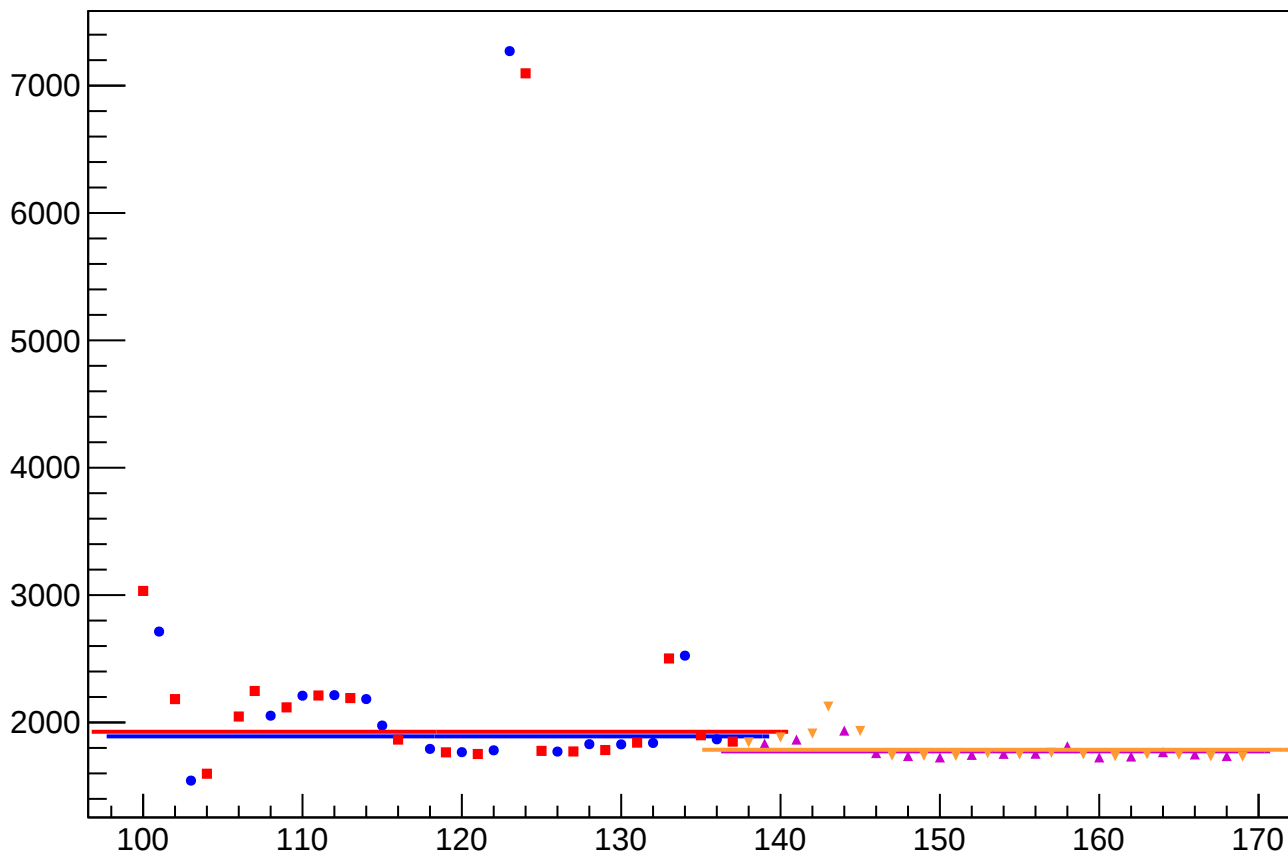
Left In: -2742.710 $\pm$ 518.869 χ^2 /NDF:13.4/14

+ sign 1591.624 $\pm$ 416.038 χ^2 /NDF: 29.4/33

All: -281.830 $\pm$ 297.221 χ^2 /NDF: 104.3/67

- sign -2234.722 $\pm$ 424.767 χ^2 /NDF: 33.5/33

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1785.639+/-0.355 χ^2/NDF : 62894.2/16

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

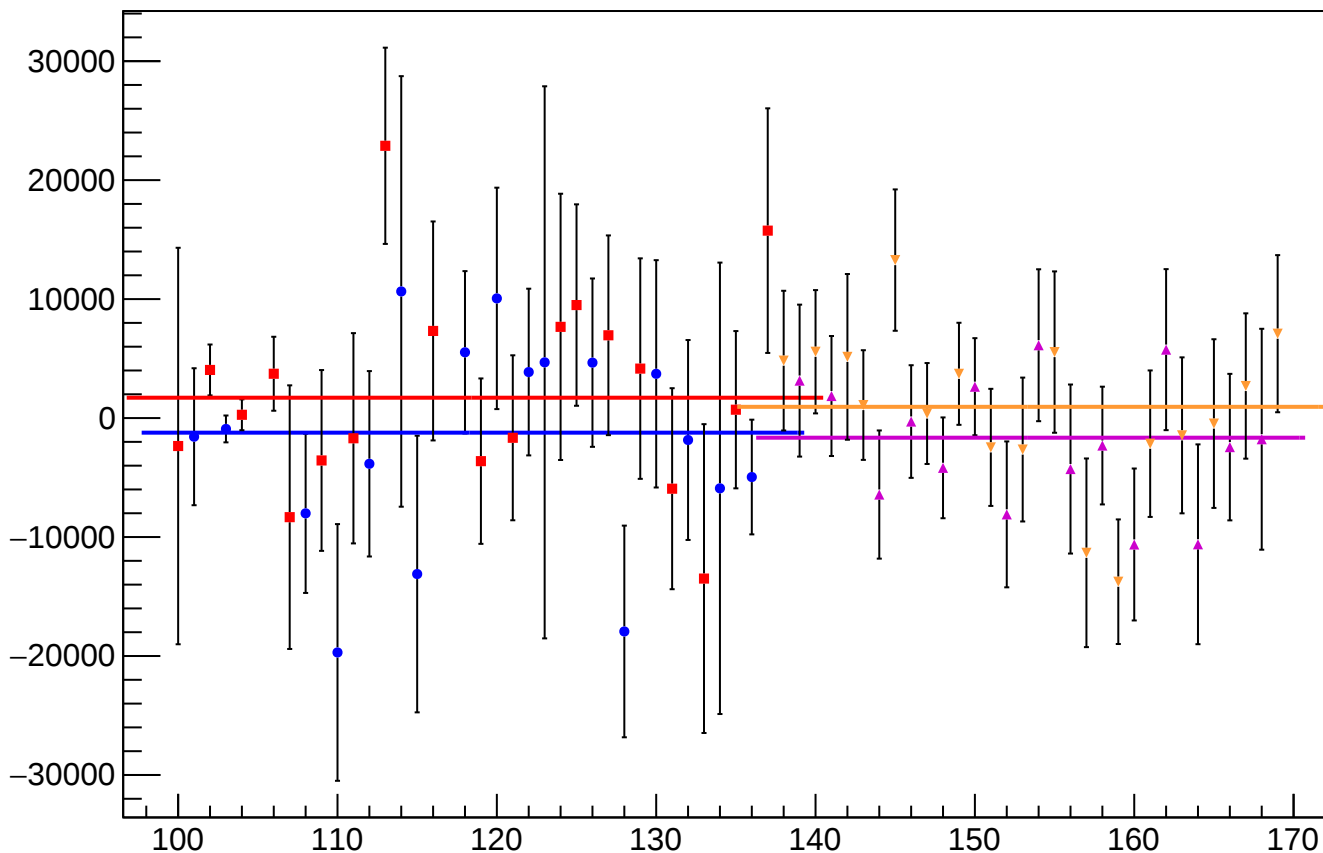
Left In: 1772.970+/-0.367 χ^2/NDF : 24596.2/14

+ sign 1818.586+/-0.294 χ^2/NDF : 379301.0/33

All: 1821.171+/-0.210 χ^2/NDF : 824525.1/67

- sign 1823.864+/-0.300 χ^2/NDF : 445066.4/33

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915+/-984.603 χ^2/NDF : 13.8/16

Left Out: 945.183+/-1368.106 χ^2/NDF : 19.3/16

Right Out: 1711.747+/-941.580 χ^2/NDF : 17.8/18

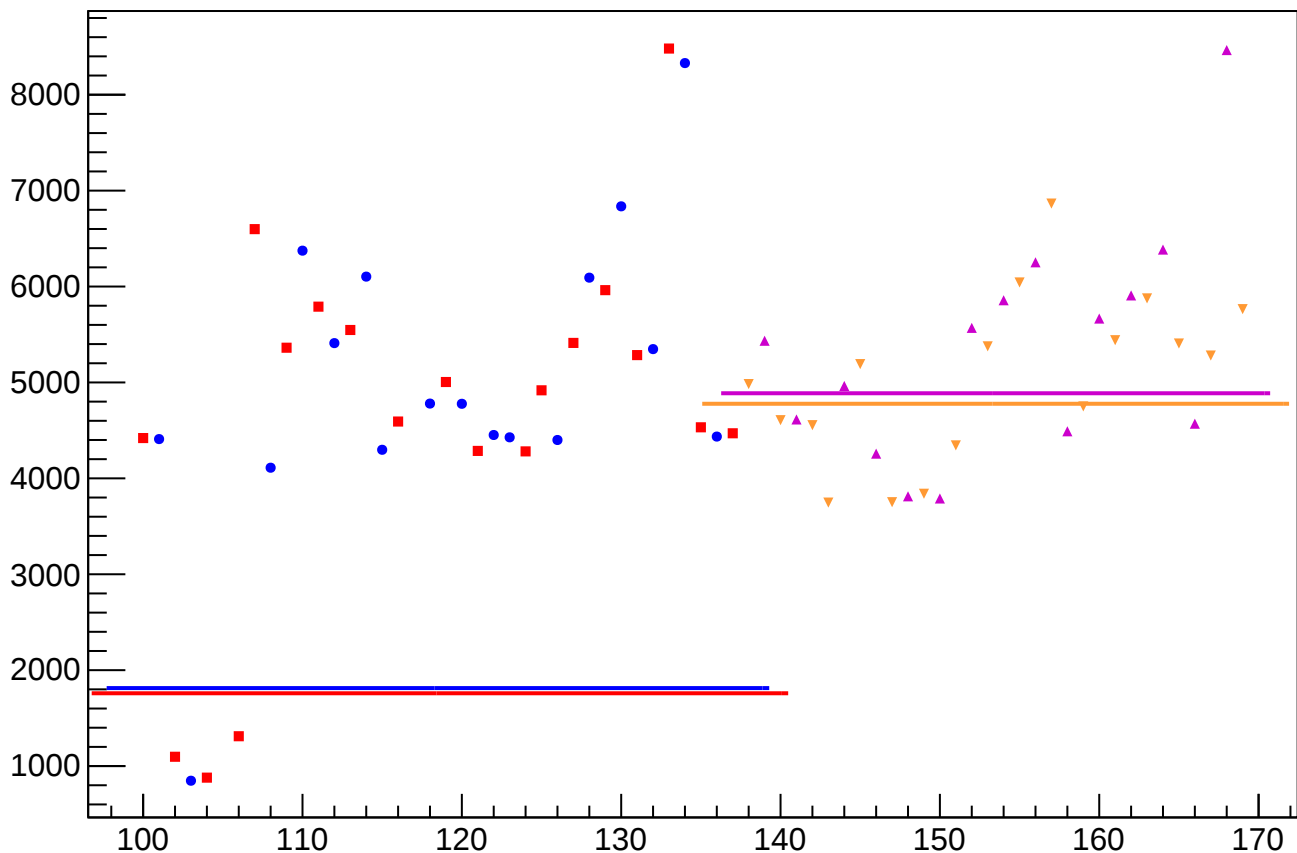
Left In: -1650.310+/-1460.228 χ^2/NDF : 10.4/14

+ sign -485.764+/-799.159 χ^2/NDF : 34.8/33

All: 125.263+/-562.303 χ^2/NDF : 67.9/67

- sign 724.377+/-791.331 χ^2/NDF : 32.0/33

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4777.681+/-0.967 χ^2/NDF : 725808.4/16

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

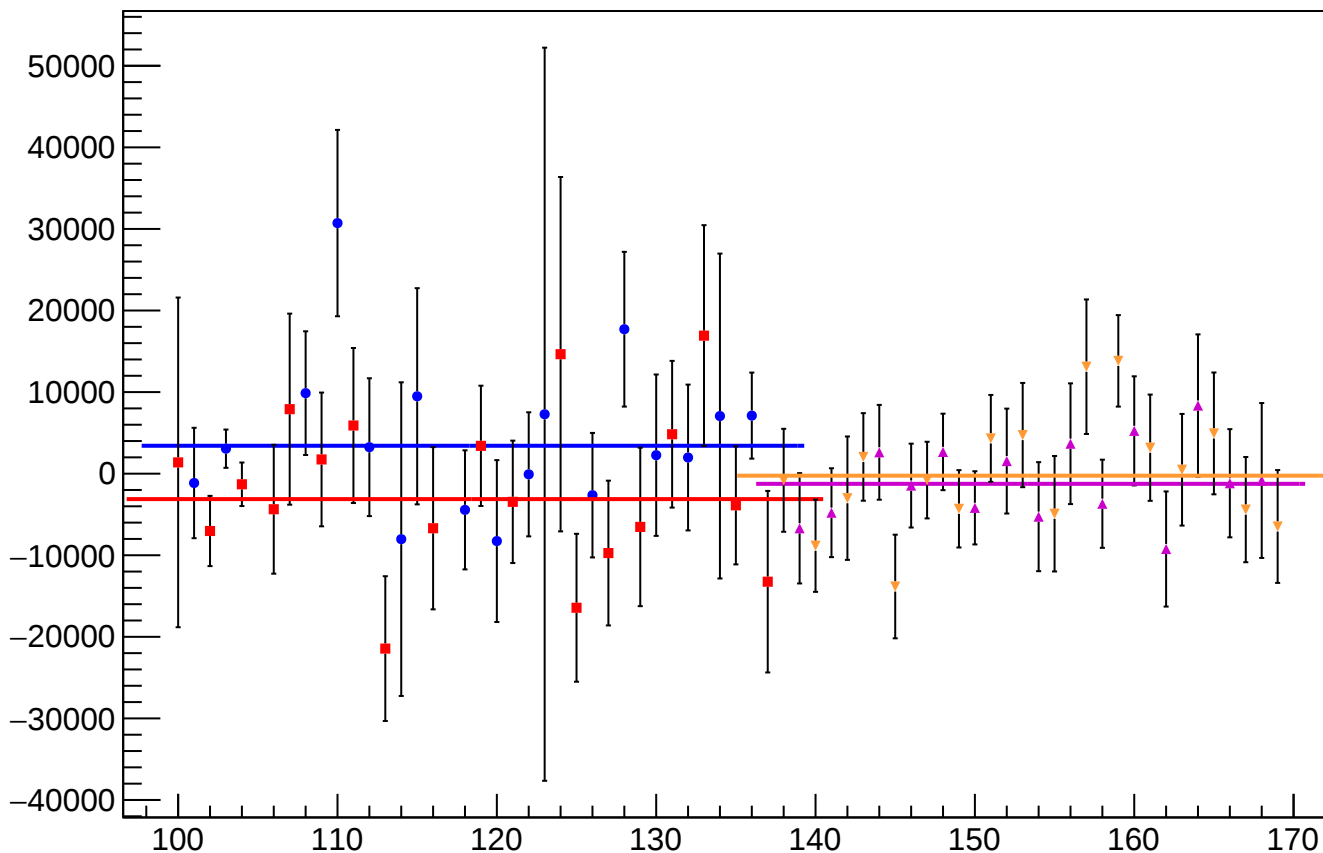
Left In: 4887.282+/-1.033 χ^2/NDF : 928472.8/14

+ sign 2824.720+/-0.565 χ^2/NDF : 13361185.7/33

All: 2750.542+/-0.398 χ^2/NDF : 27119680.9/6

- sign 2677.810+/-0.560 χ^2/NDF : 13724368.8/33

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -245.981+/-1478.960 χ^2/NDF : 20.6/16

Right Out: -3117.857+/-1605.930 χ^2/NDF : 16.0/18

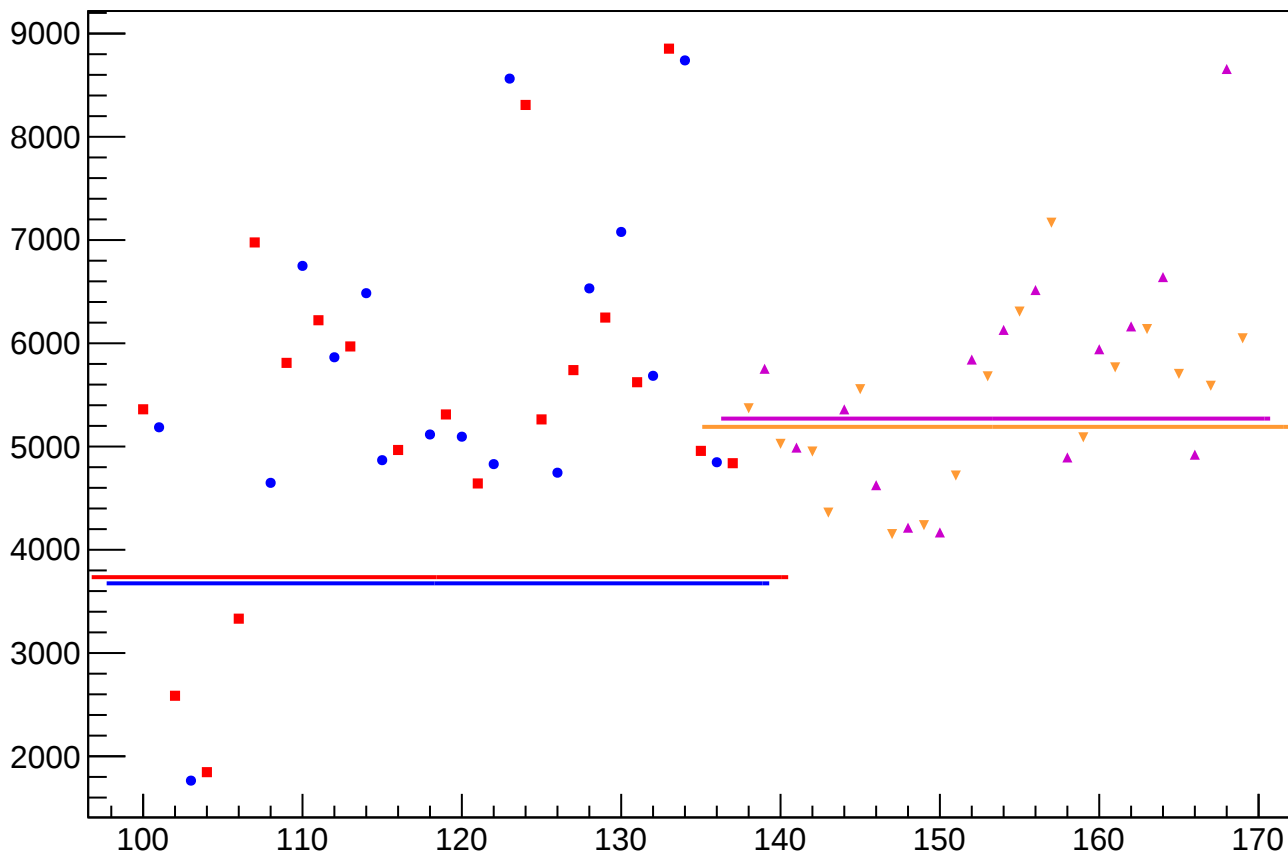
Left In: -1245.697+/-1568.033 χ^2/NDF : 7.3/14

+ sign 1436.110+/-1088.137 χ^2/NDF : 37.2/33

All: -306.701+/-781.101 χ^2/NDF : 66.4/67

- sign -2159.427+/-1121.926 χ^2/NDF : 24.0/33

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5190.579+/-1.046 χ^2/NDF : 532897.7/16

Right Out: 3734.796+/-1.128 χ^2/NDF : 2693929.0/18

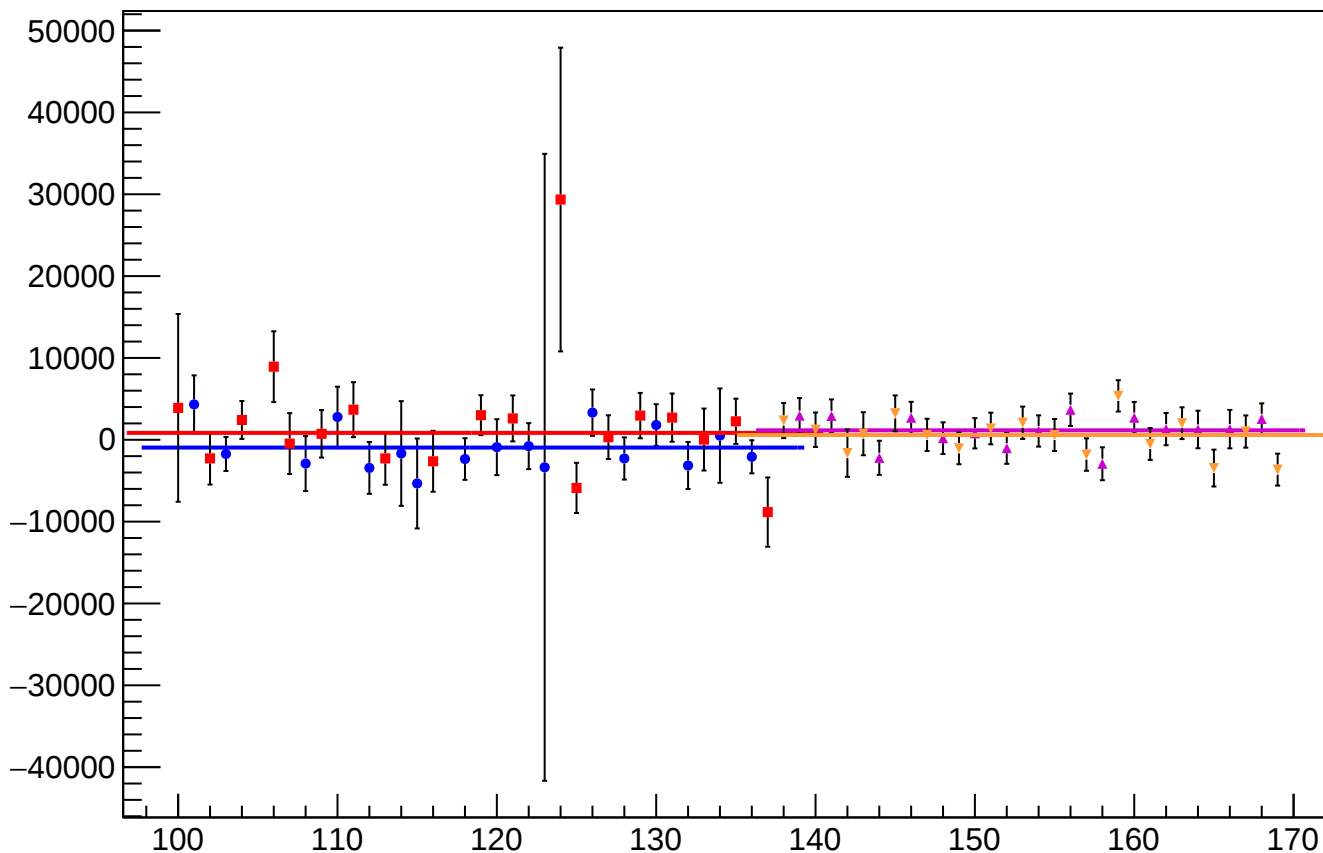
Left In: 5270.662+/-1.109 χ^2/NDF : 746646.4/14

+ sign 4495.415+/-0.769 χ^2/NDF : 4271329.1/33

All: 4505.402+/-0.551 χ^2/NDF : 8655126.2/67

- sign 4515.950+/-0.791 χ^2/NDF : 4383450.7/33

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 582.815+/-500.108 χ^2/NDF : 20.8/16

Right Out: 843.515+/-737.527 χ^2/NDF : 22.5/18

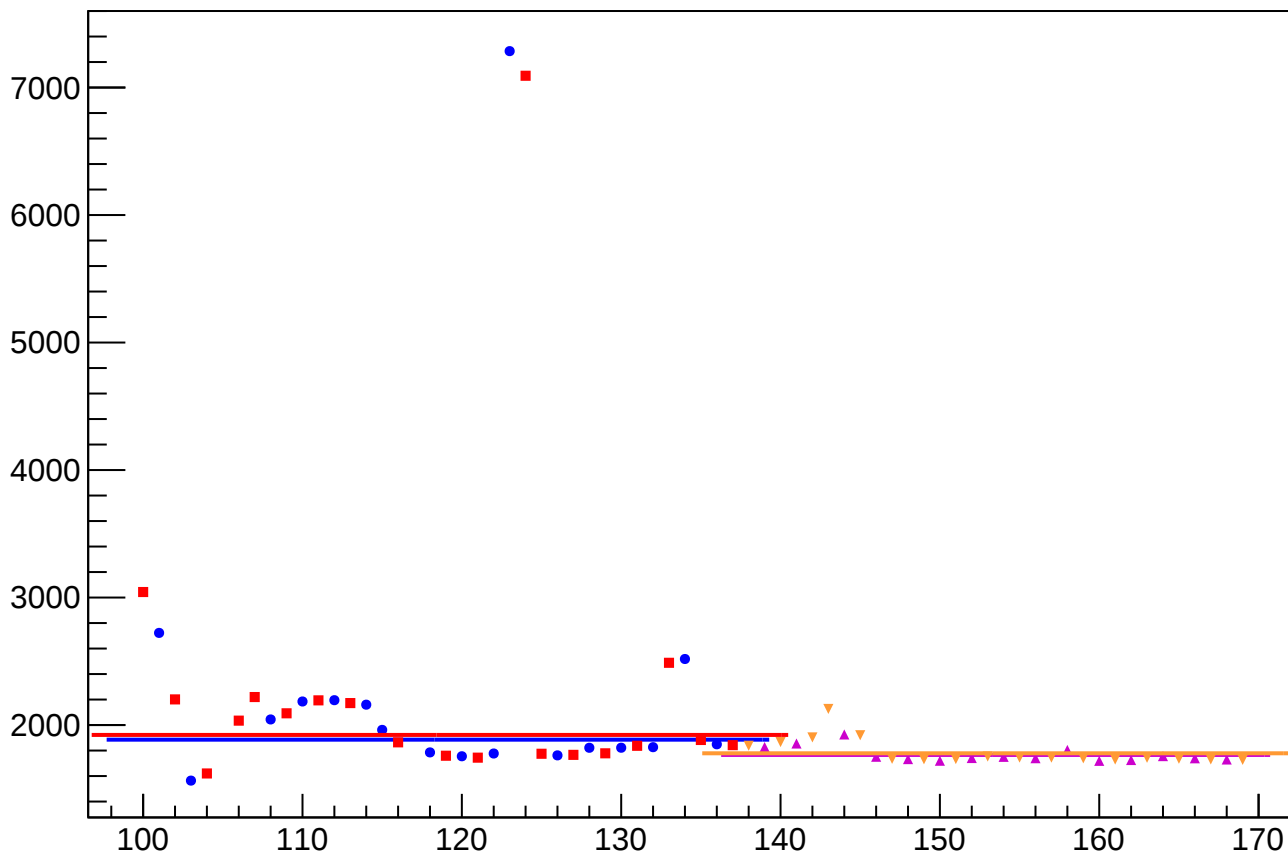
Left In: 1155.076+/-516.699 χ^2/NDF : 13.2/14

+ sign 102.390+/-414.473 χ^2/NDF : 33.7/33

All: 567.571+/-296.107 χ^2/NDF : 72.1/67

- sign 1052.502+/-423.180 χ^2/NDF : 35.8/33

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1778.465+/-0.354 χ^2/NDF : 62955.4/16

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

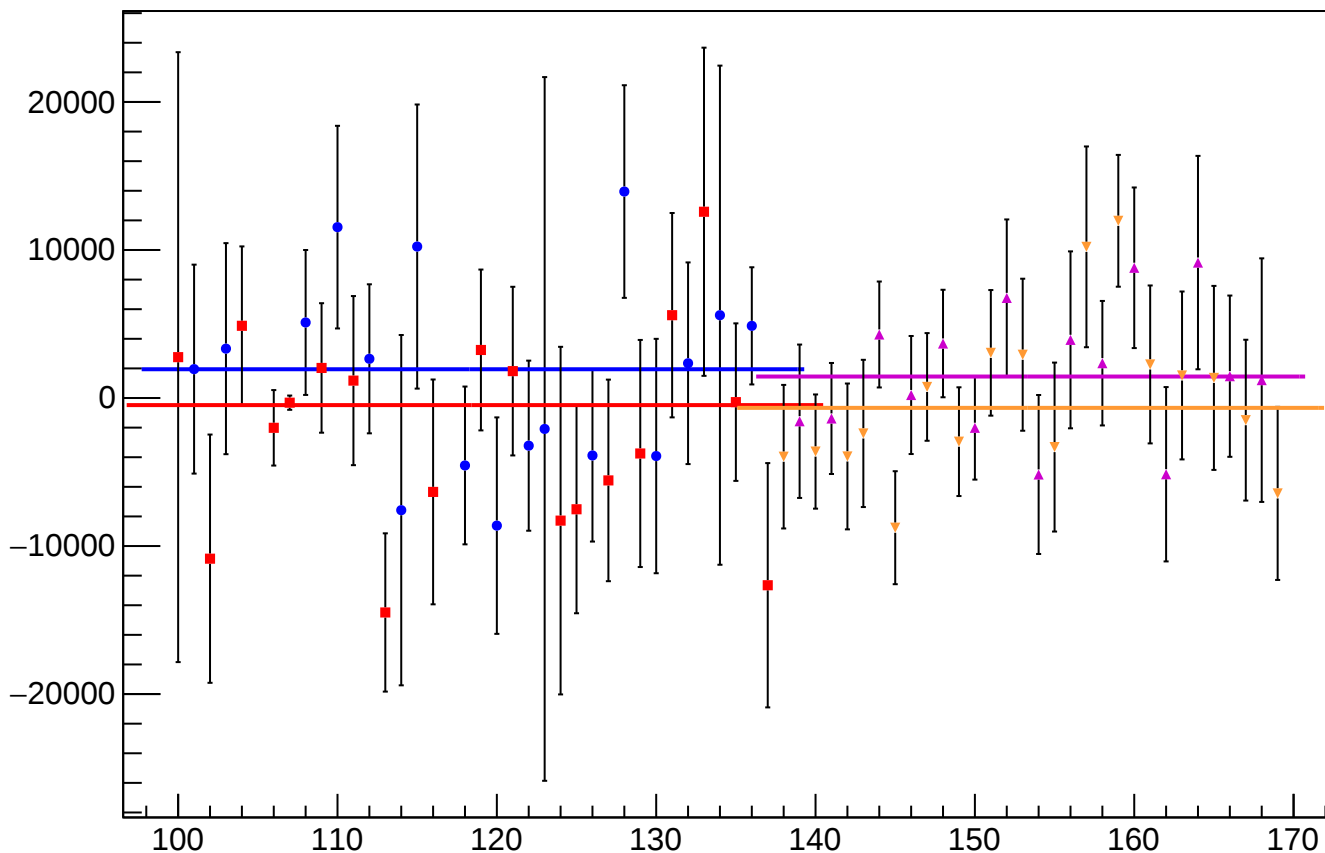
Left In: 1765.586+/-0.365 χ^2/NDF : 23869.9/14

+ sign 1811.939+/-0.293 χ^2/NDF : 371997.4/33

All: 1814.598+/-0.209 χ^2/NDF : 808430.4/67

- sign 1817.367+/-0.299 χ^2/NDF : 436265.0/33

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -665.637+/-1146.047 χ^2/NDF : 20.3/16

Right Out: -478.828+/-453.684 χ^2/NDF : 18.1/18

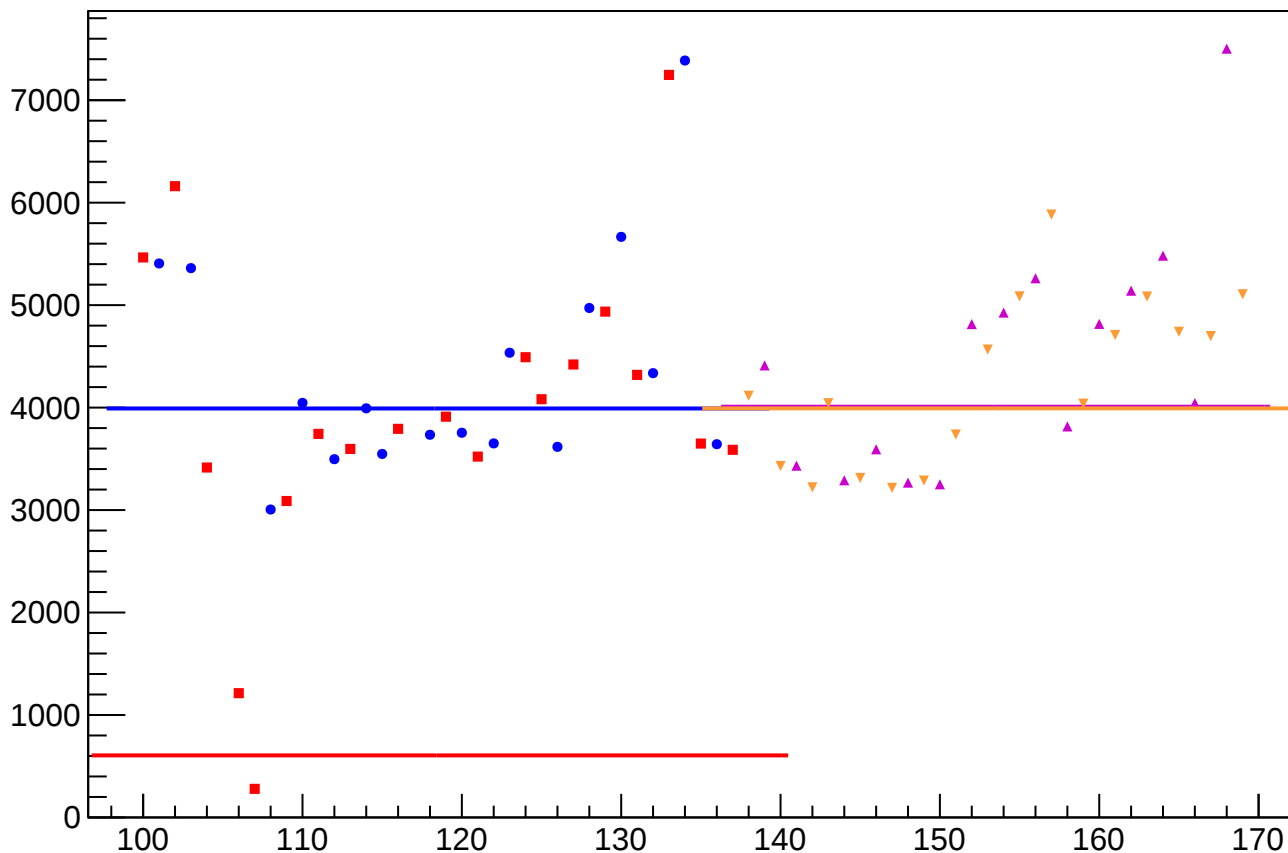
Left In: 1451.443+/-1202.028 χ^2/NDF : 10.0/14

+ sign 232.953+/-927.914 χ^2/NDF : 35.3/33

All: -156.622+/-385.991 χ^2/NDF : 65.8/67

- sign -238.138+/-424.458 χ^2/NDF : 30.3/33

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3992.187+/-0.810 χ^2/NDF : 827547.3/16

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

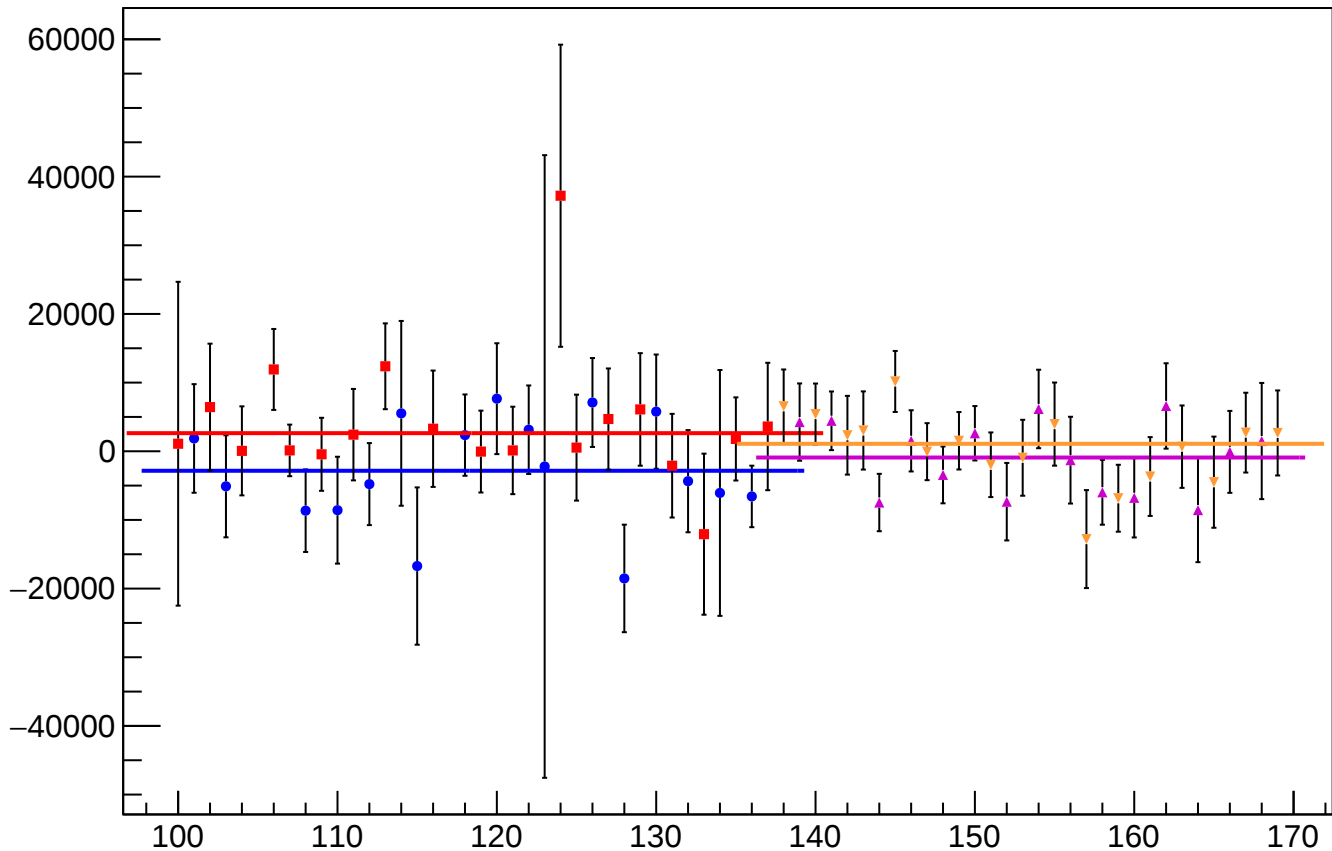
Left In: 4008.537+/-0.850 χ^2/NDF : 1098133.1/14

+ sign 3991.921+/-0.656 χ^2/NDF : 1338330.4/33

All: 1542.551+/-0.273 χ^2/NDF : 43563826.2/6

- sign 1030.035+/-0.300 χ^2/NDF : 25374027.7/33

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 ± 1786.019 χ^2/NDF : 15.4/16

Left Out: 1085.604 ± 1274.362 χ^2/NDF : 15.2/16

Right Out: 2637.071 ± 1575.105 χ^2/NDF : 11.2/18

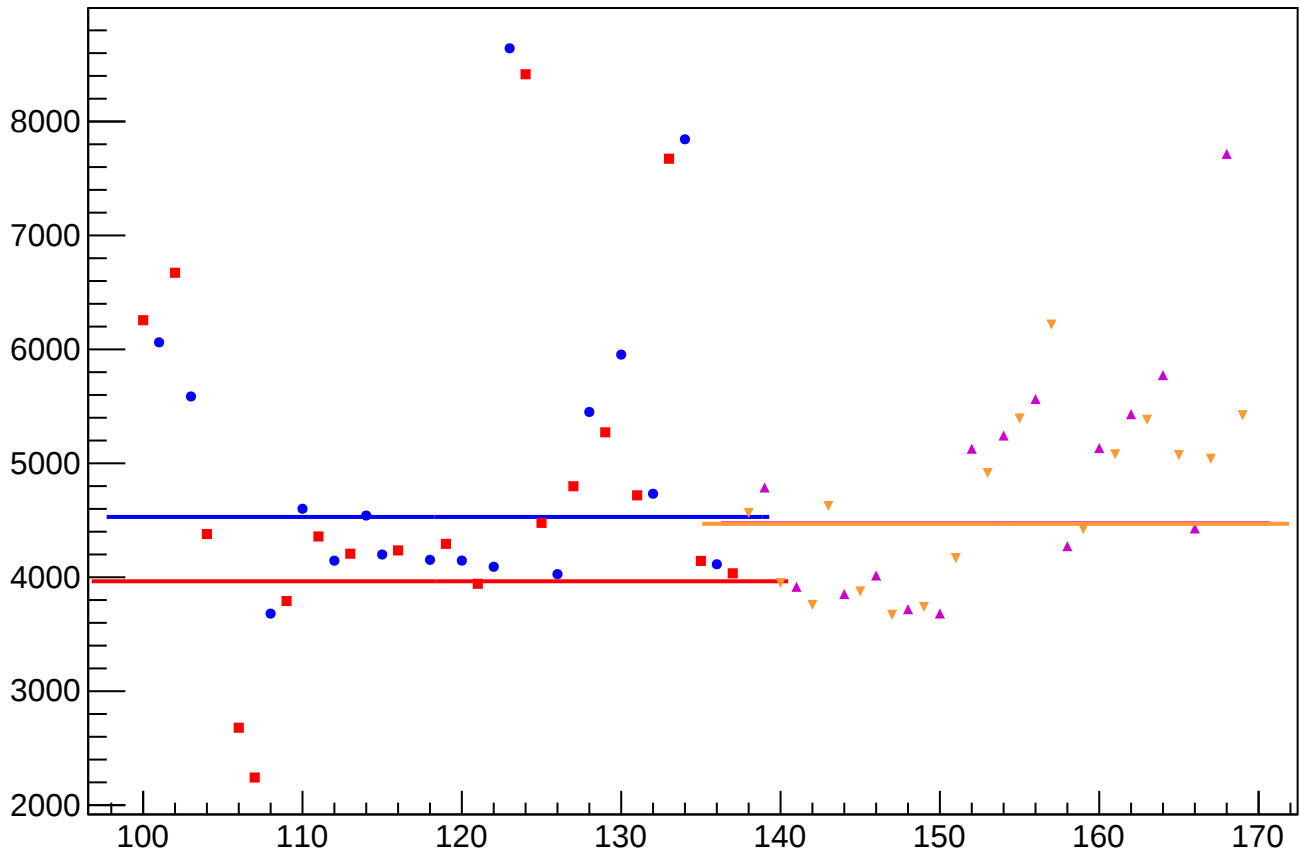
Left In: -912.149 ± 1332.341 χ^2/NDF : 13.9/14

+ sign -238.597 ± 1037.366 χ^2/NDF : 33.8/33

All: 172.689 ± 726.305 χ^2/NDF : 62.2/67

- sign 568.163 ± 1017.231 χ^2/NDF : 28.1/33

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4469.296+/-0.901 χ^2/NDF : 570871.0/16

+ sign 4489.593+/-0.734 χ^2/NDF : 961701.1/33

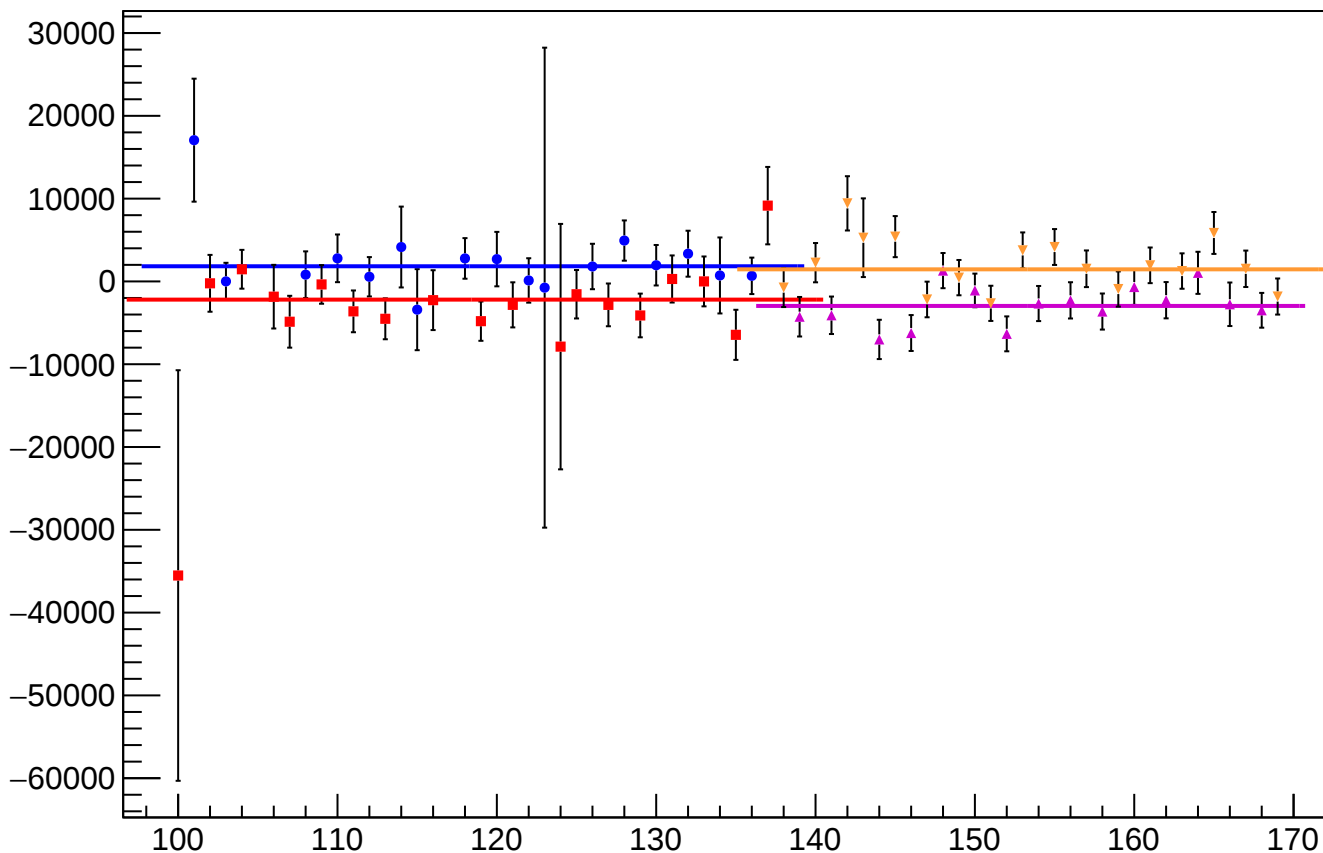
Right Out: 3964.829+/-1.107 χ^2/NDF : 1140409.6/18

All: 4372.201+/-0.513 χ^2/NDF : 3079409.9/67

- sign 4259.926+/-0.717 χ^2/NDF : 2067601.0/33

Left In: 4473.793+/-0.942 χ^2/NDF : 804551.9/14

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1459.421+/-561.242 χ^2/NDF : 26.2/16

Right Out: -2198.063+/-684.205 χ^2/NDF : 18.3/18

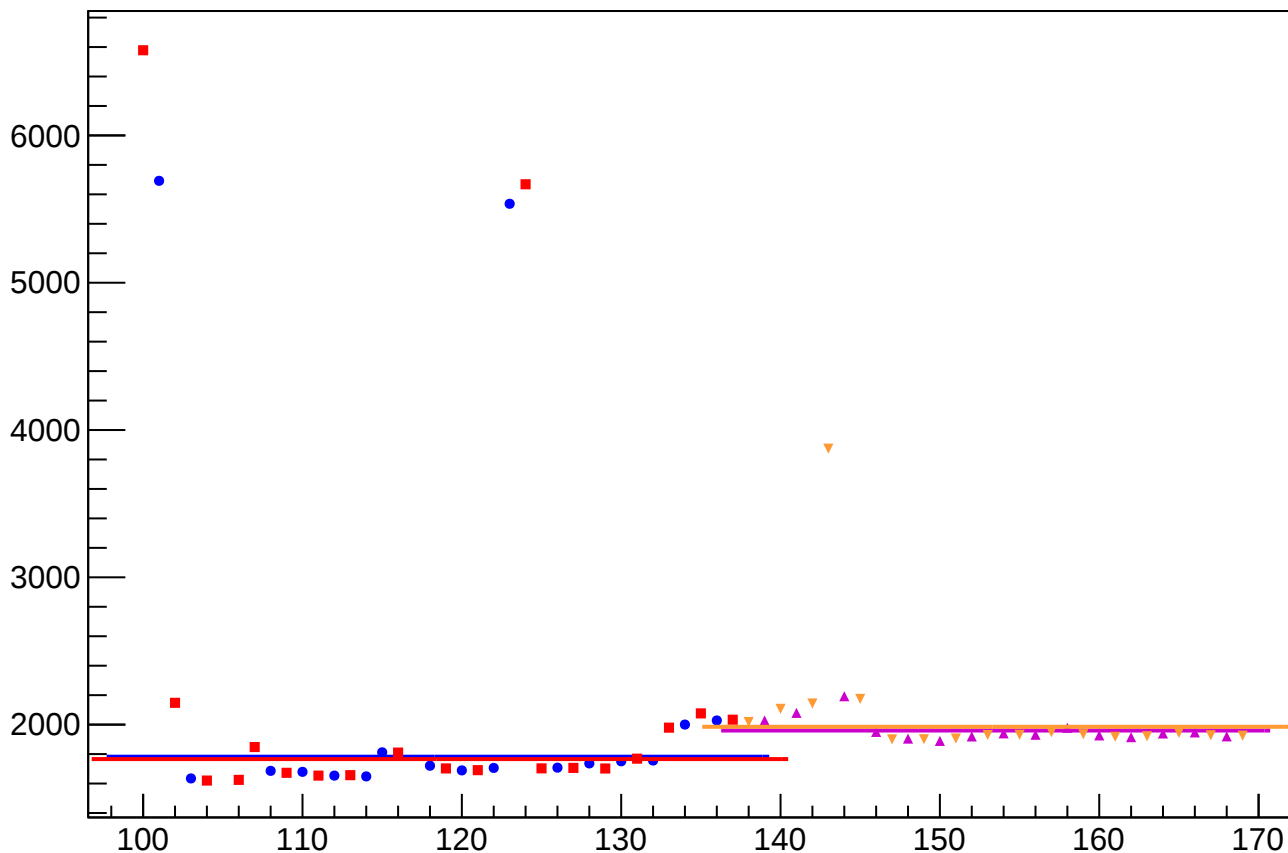
Left In: -2960.529+/-573.536 χ^2/NDF : 17.1/14

+ sign 1601.642+/-440.611 χ^2/NDF : 36.0/33

All: -527.295+/-311.179 χ^2/NDF : 118.8/67

- sign -2645.870+/-439.537 χ^2/NDF : 36.2/33

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 1985.232+/-0.397 χ^2/NDF : 358169.6/16

Right Out: 1765.967+/-0.480 χ^2/NDF : 306798.2/18

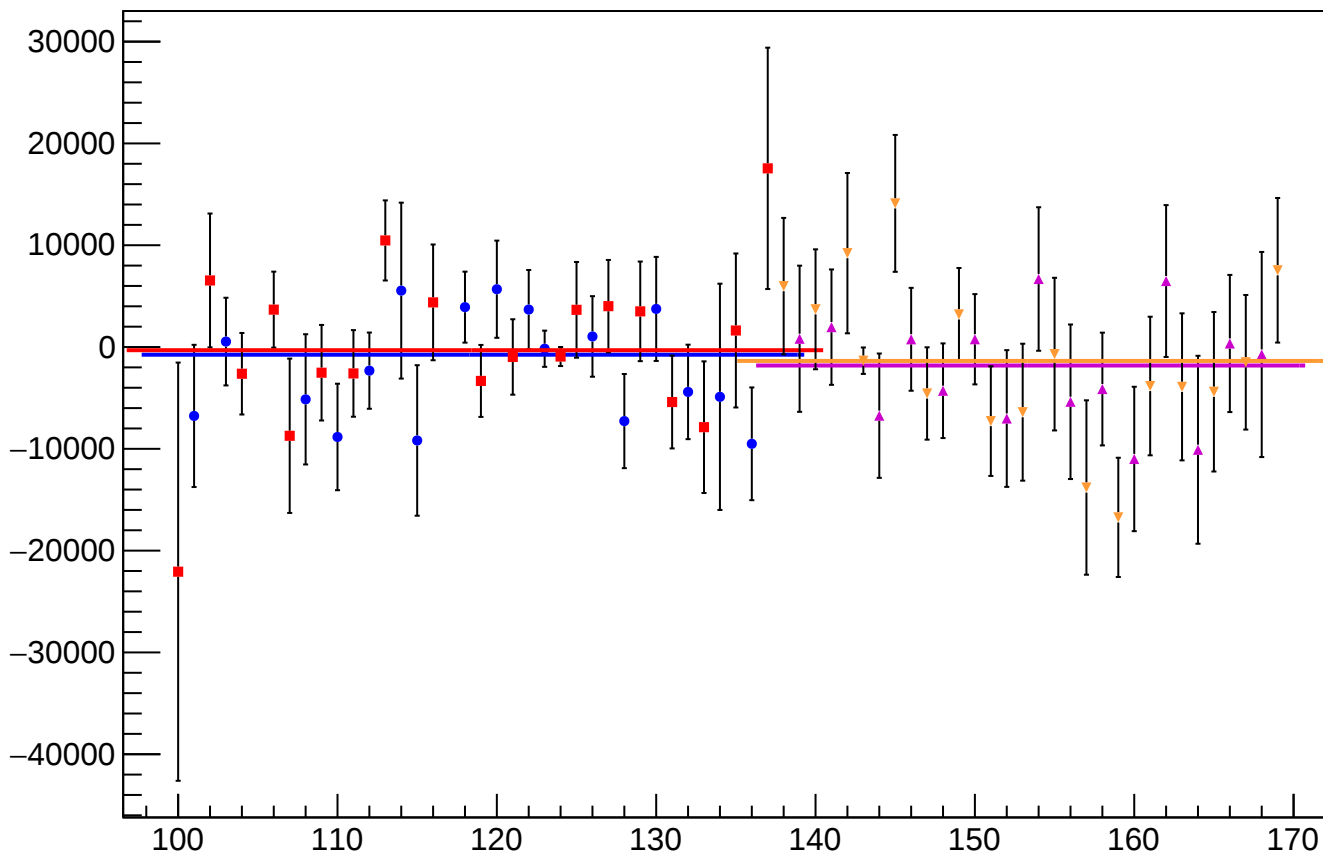
Left In: 1959.839+/-0.406 χ^2/NDF : 33836.5/14

+ sign 1907.310+/-0.312 χ^2/NDF : 1103841.1/33

All: 1893.173+/-0.220 χ^2/NDF : 1543644.4/67

- sign 1879.185+/-0.310 χ^2/NDF : 435707.2/33

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 ± 1008.523 χ^2/NDF : 16.9/16

Left Out: -1364.169 ± 1002.229 χ^2/NDF : 23.3/16

Right Out: -311.405 ± 725.132 χ^2/NDF : 22.0/18

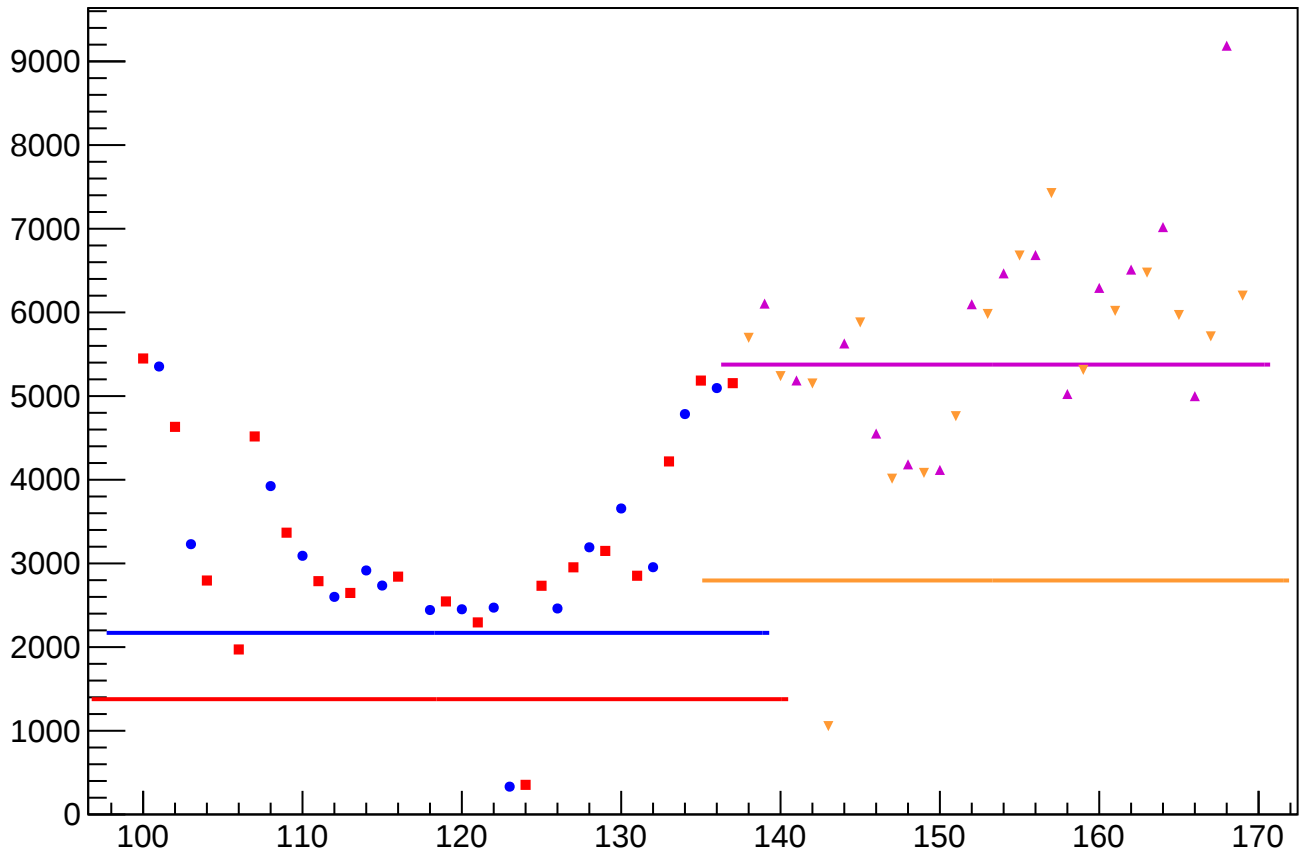
Left In: -1815.948 ± 1606.705 χ^2/NDF : 8.4/14

+ sign -1060.710 ± 710.898 χ^2/NDF : 40.4/33

All: -795.363 ± 484.053 χ^2/NDF : 71.8/67

- sign -566.002 ± 660.937 χ^2/NDF : 31.1/33

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2796.320+/-0.709 χ^2/NDF : 9560427.3/16

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

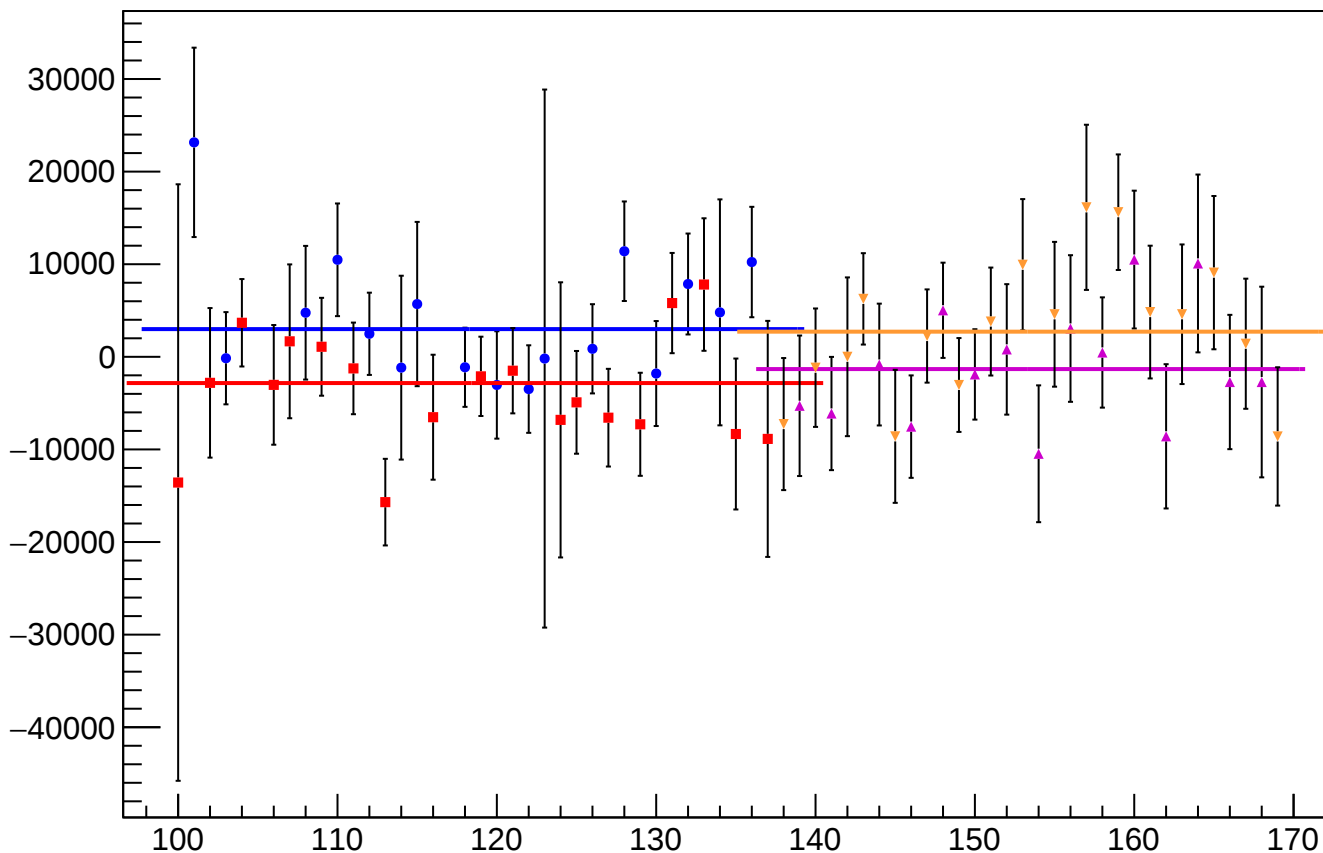
Left In: 5376.344+/-1.136 χ^2/NDF : 946276.8/14

+ sign 2485.241+/-0.503 χ^2/NDF : 13921941.9/33

All: 2254.128+/-0.342 χ^2/NDF : 32400817.8/6

- sign 2054.359+/-0.467 χ^2/NDF : 18084784.9/33

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 2716.724 $\pm$ 1600.465 χ^2 /NDF: 17.5/16

Right Out: -2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

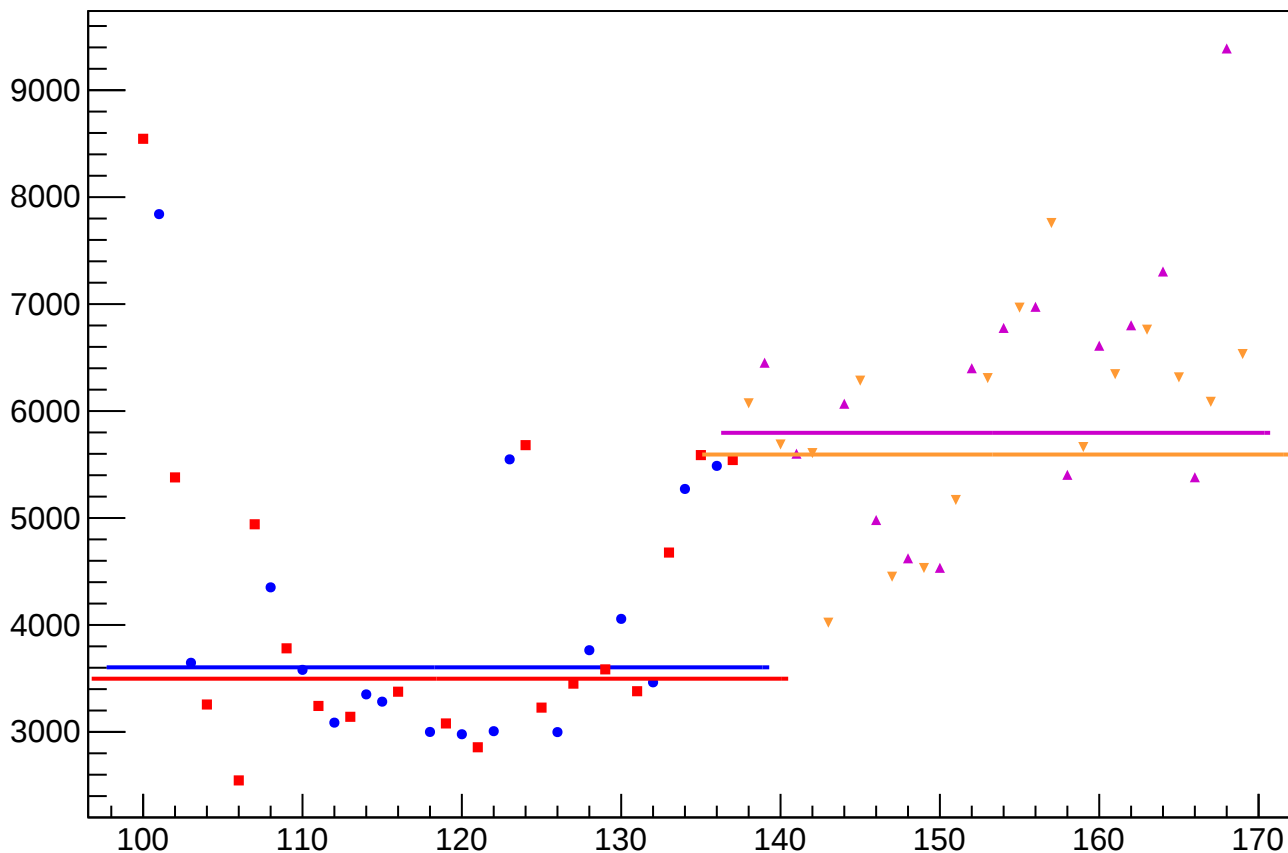
Left In: -1322.898 $\pm$ 1724.675 χ^2 /NDF: 10.6/14

+ sign 2868.613 $\pm$ 1073.435 χ^2 /NDF: 33.2/33

All: 320.876 $\pm$ 760.324 χ^2 /NDF: 73.3/67

- sign -2244.269 $\pm$ 1077.096 χ^2 /NDF: 28.8/33

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 5593.577+/-1.132 χ^2/NDF : 759022.4/16

Right Out: 3497.586+/-0.962 χ^2/NDF : 661898.6/18

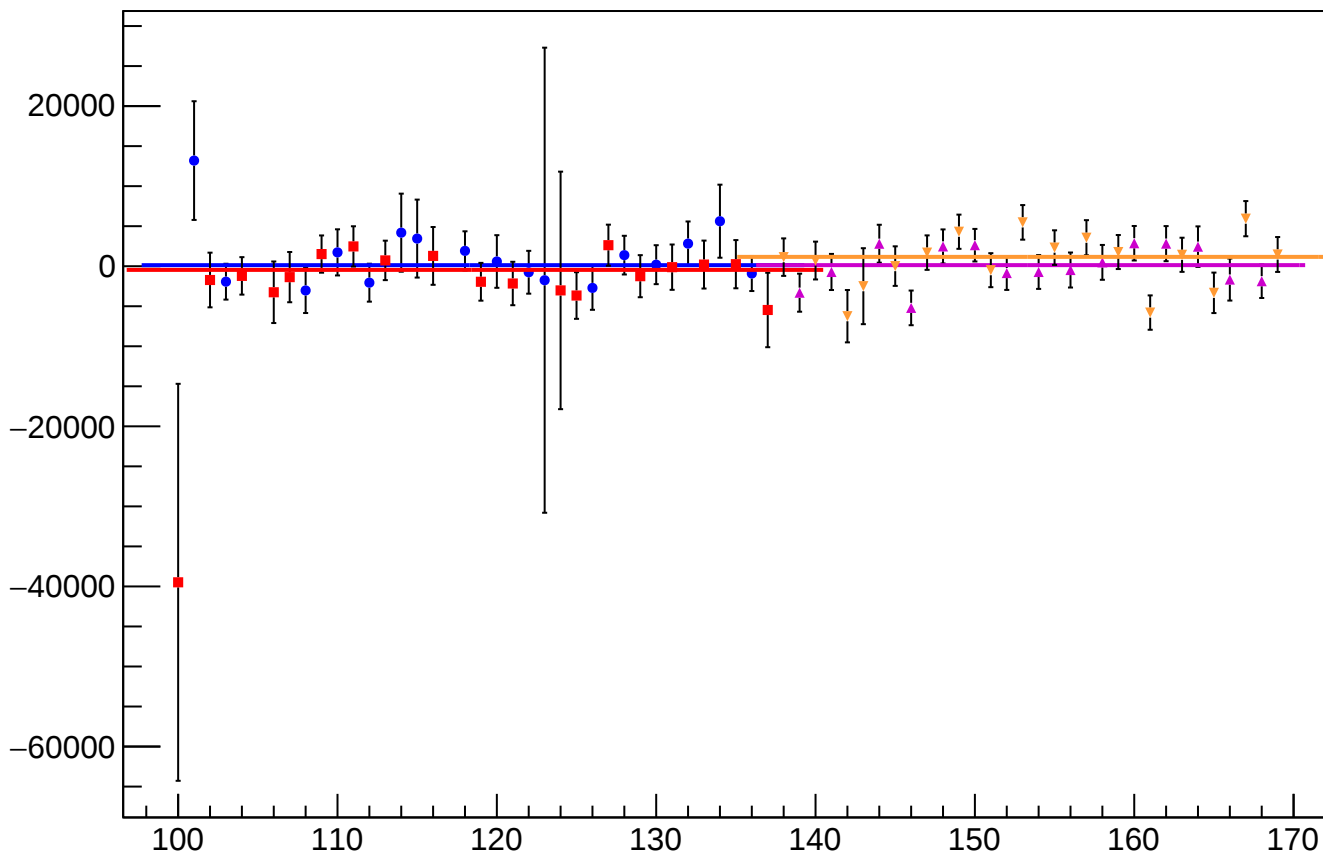
Left In: 5796.464+/-1.220 χ^2/NDF : 761486.8/14

+ sign 4498.949+/-0.759 χ^2/NDF : 3244211.3/33

All: 4438.639+/-0.535 χ^2/NDF : 6871243.3/67

- sign 4378.949+/-0.755 χ^2/NDF : 3614470.2/33

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1166.300 $\pm$ 560.006 χ^2 /NDF:32.8/16

Right Out: -459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

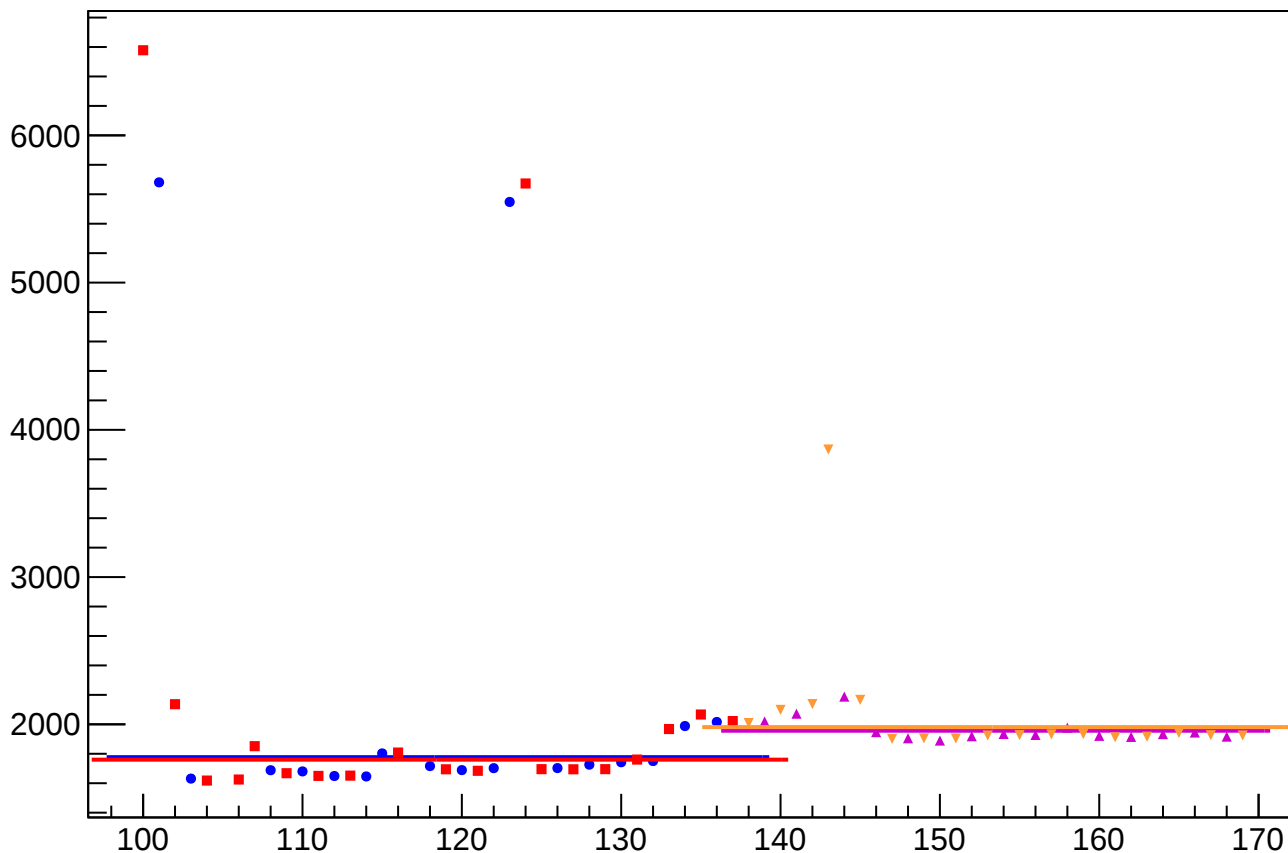
Left In: 135.805 $\pm$ 572.558 χ^2 /NDF:18.1/14

+ sign 768.661 $\pm$ 439.507 χ^2 /NDF: 46.2/33

All: 328.201 $\pm$ 310.411 χ^2 /NDF: 77.6/67

- sign -110.183 $\pm$ 438.470 χ^2 /NDF: 29.3/33

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 1980.999+/-0.396 χ^2/NDF : 356496.2/16

Right Out: 1759.990+/-0.479 χ^2/NDF : 306154.6/18

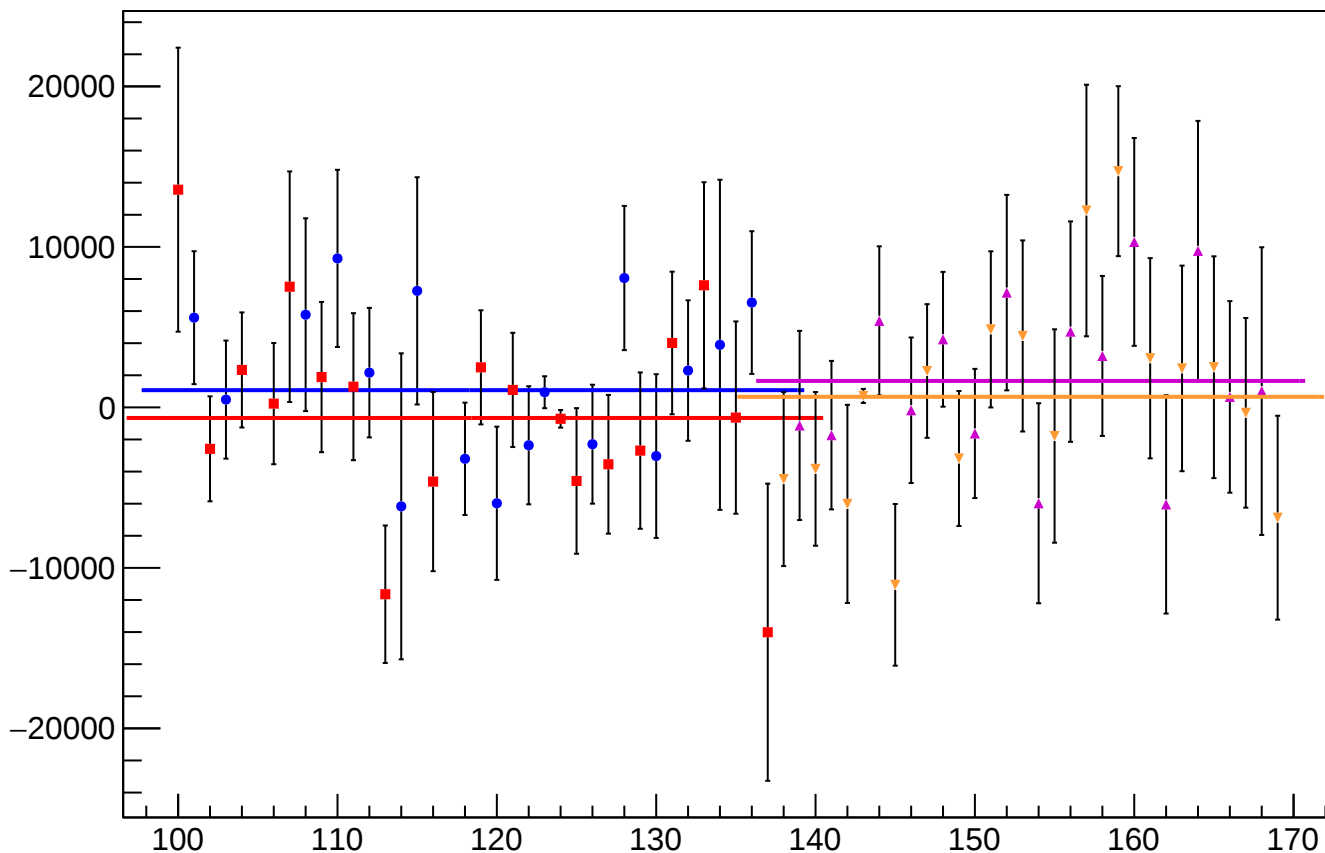
Left In: 1956.566+/-0.405 χ^2/NDF : 32746.9/14

+ sign 1902.607+/-0.311 χ^2/NDF : 1102120.6/33

All: 1888.542+/-0.219 χ^2/NDF : 1543369.0/67

- sign 1874.623+/-0.309 χ^2/NDF : 437173.4/33

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194 ± 752.280 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 657.536 ± 418.189 $\chi^2/\text{NDF}: 21.6/16$

Right Out: -658.759 ± 488.034 $\chi^2/\text{NDF}: 19.8/18$

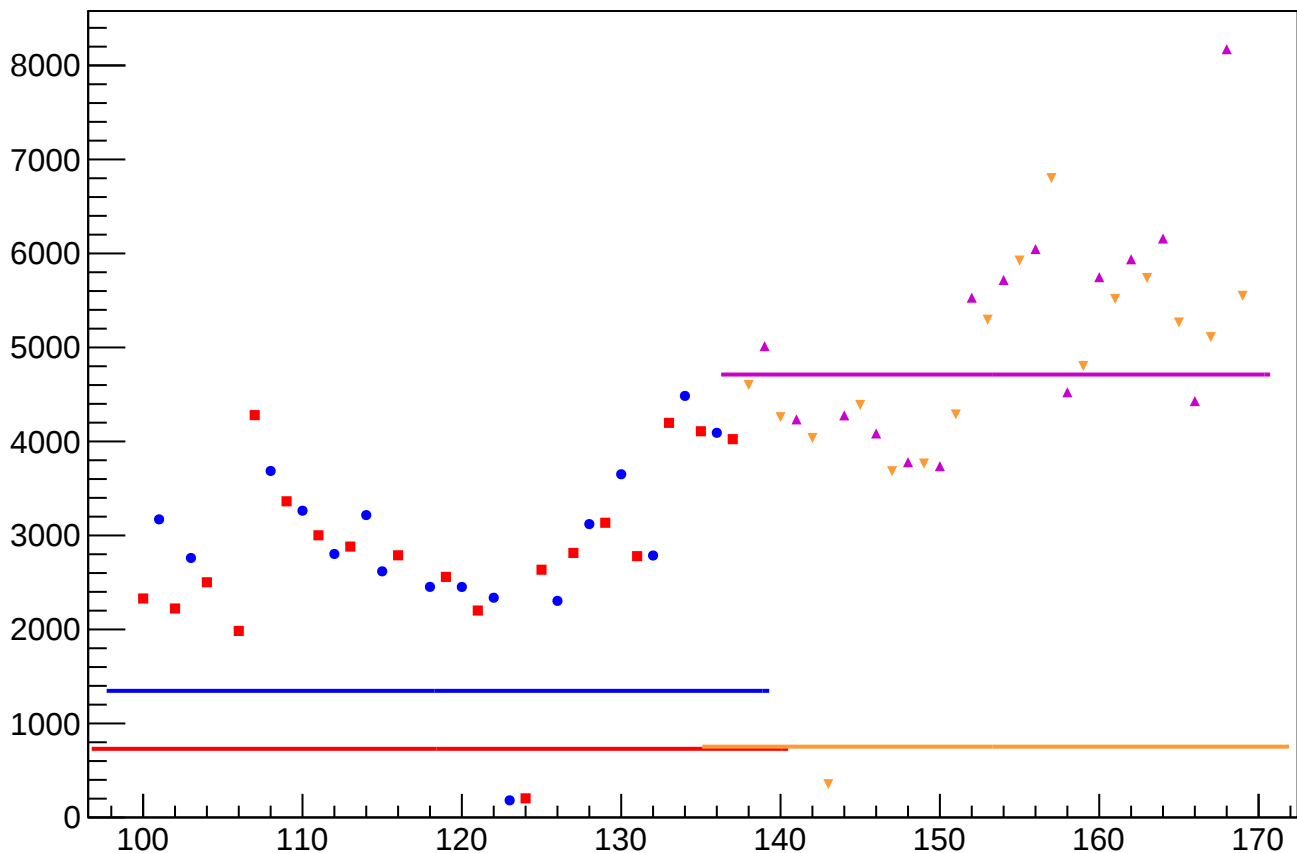
Left In: 1648.142 ± 1408.059 $\chi^2/\text{NDF}: 9.3/14$

+ sign 755.424 ± 365.510 $\chi^2/\text{NDF}: 37.4/33$

All: 305.209 ± 286.439 $\chi^2/\text{NDF}: 72.8/67$

- sign -411.349 ± 461.121 $\chi^2/\text{NDF}: 31.5/33$

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 753.112 $\pm$ 0.296 χ^2 /NDF:18606944.4/16

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

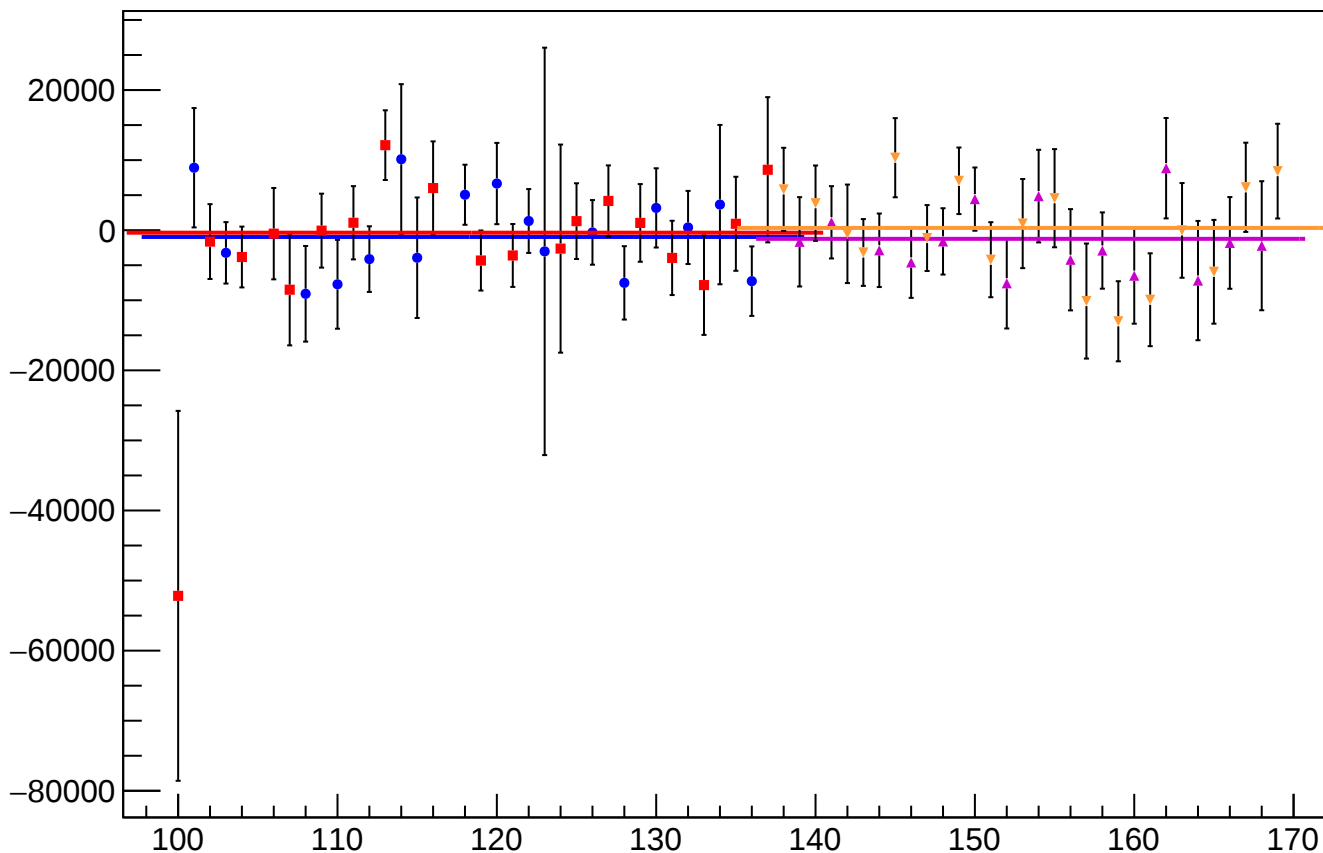
Left In: 4711.816 $\pm$ 0.996 χ^2 /NDF:947519.4/14

+ sign 893.272 $\pm$ 0.258 χ^2 /NDF: 26397744.0/33

All: 995.092 $\pm$ 0.203 χ^2 /NDF: 51528221.1/67

- sign 1157.148 $\pm$ 0.326 χ^2 /NDF: 24728256.8/33

asym_atr1l2_dd_mean vs Slug



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 323.283 ± 1438.866 χ^2/NDF : 20.6/16

Right Out: -354.646 ± 1329.760 χ^2/NDF : 17.6/18

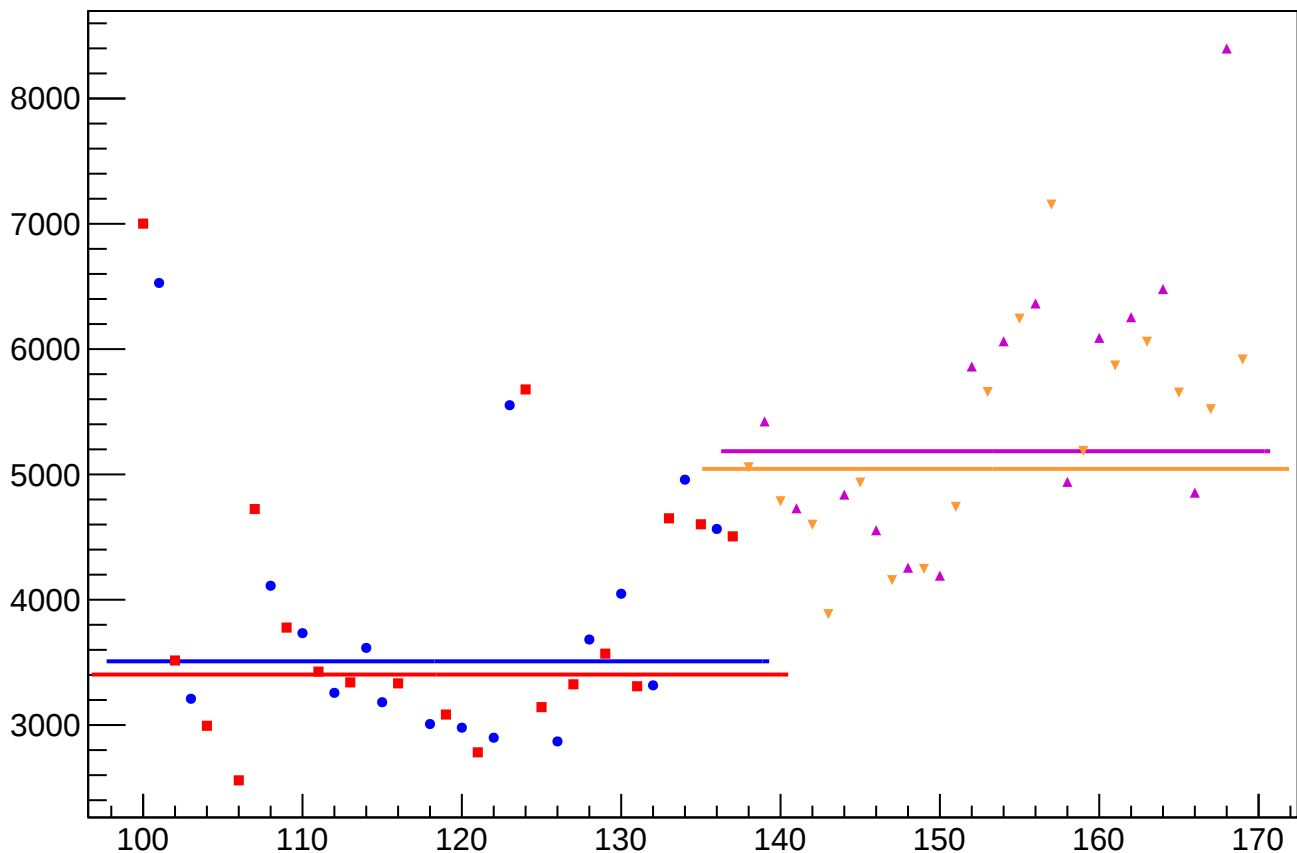
Left In: -1234.267 ± 1541.236 χ^2/NDF : 7.5/14

+ sign -340.070 ± 1001.795 χ^2/NDF : 34.8/33

All: -534.067 ± 710.144 χ^2/NDF : 60.1/67

- sign -730.014 ± 1006.816 χ^2/NDF : 25.3/33

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483 ± 0.987 $\chi^2/\text{NDF}: 562197.7/16$

Left Out: 5044.169 ± 1.017 $\chi^2/\text{NDF}: 610619.9/16$

Right Out: 3402.883 ± 0.928 $\chi^2/\text{NDF}: 428556.1/18$

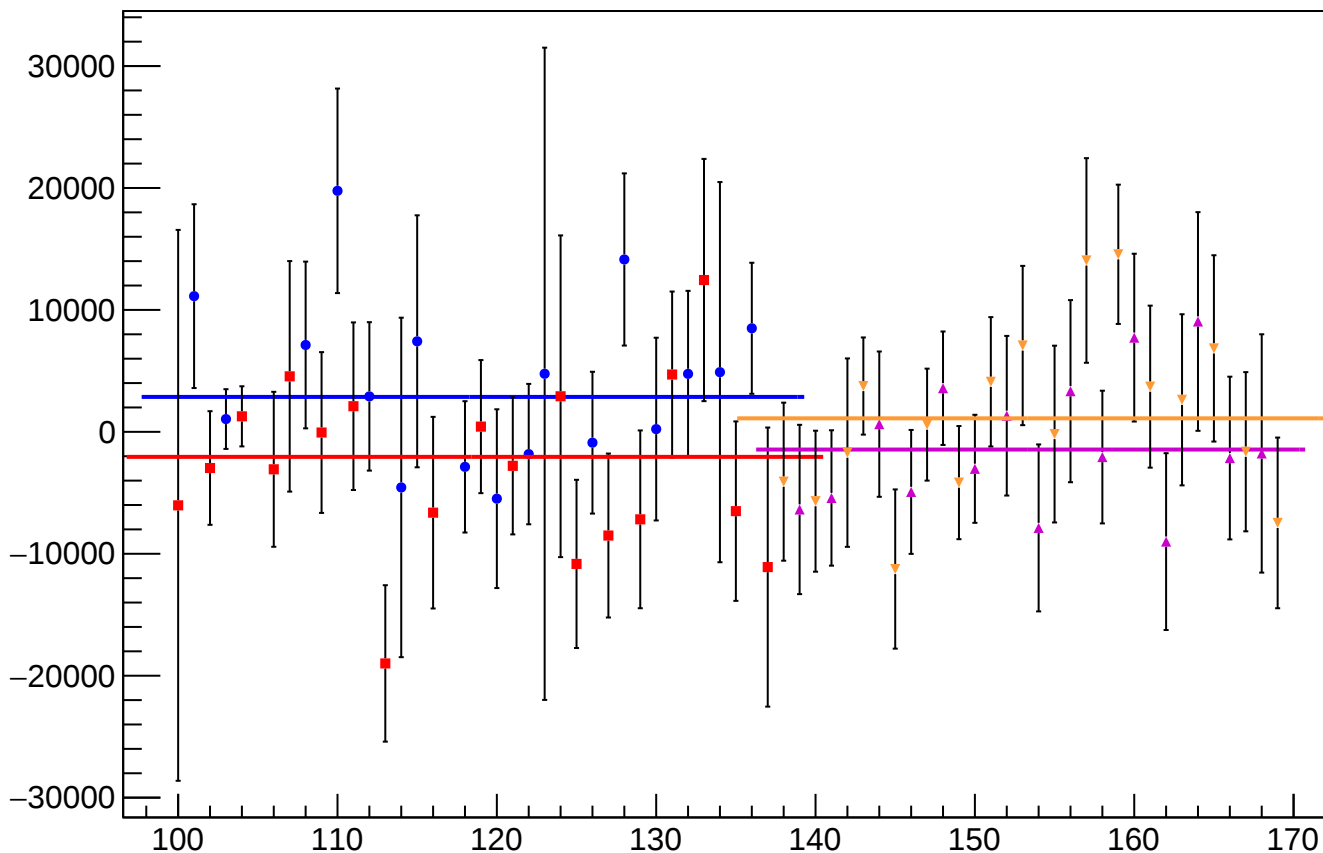
Left In: 5185.255 ± 1.090 $\chi^2/\text{NDF}: 721261.9/14$

+ sign 4252.900 ± 0.708 $\chi^2/\text{NDF}: 2346676.2/33$

All: 4202.399 ± 0.500 $\chi^2/\text{NDF}: 5057000.3/67$

- sign 4152.150 ± 0.707 $\chi^2/\text{NDF}: 2700184.5/33$

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 1108.910+/-1446.904 χ^2/NDF : 19.0/16

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

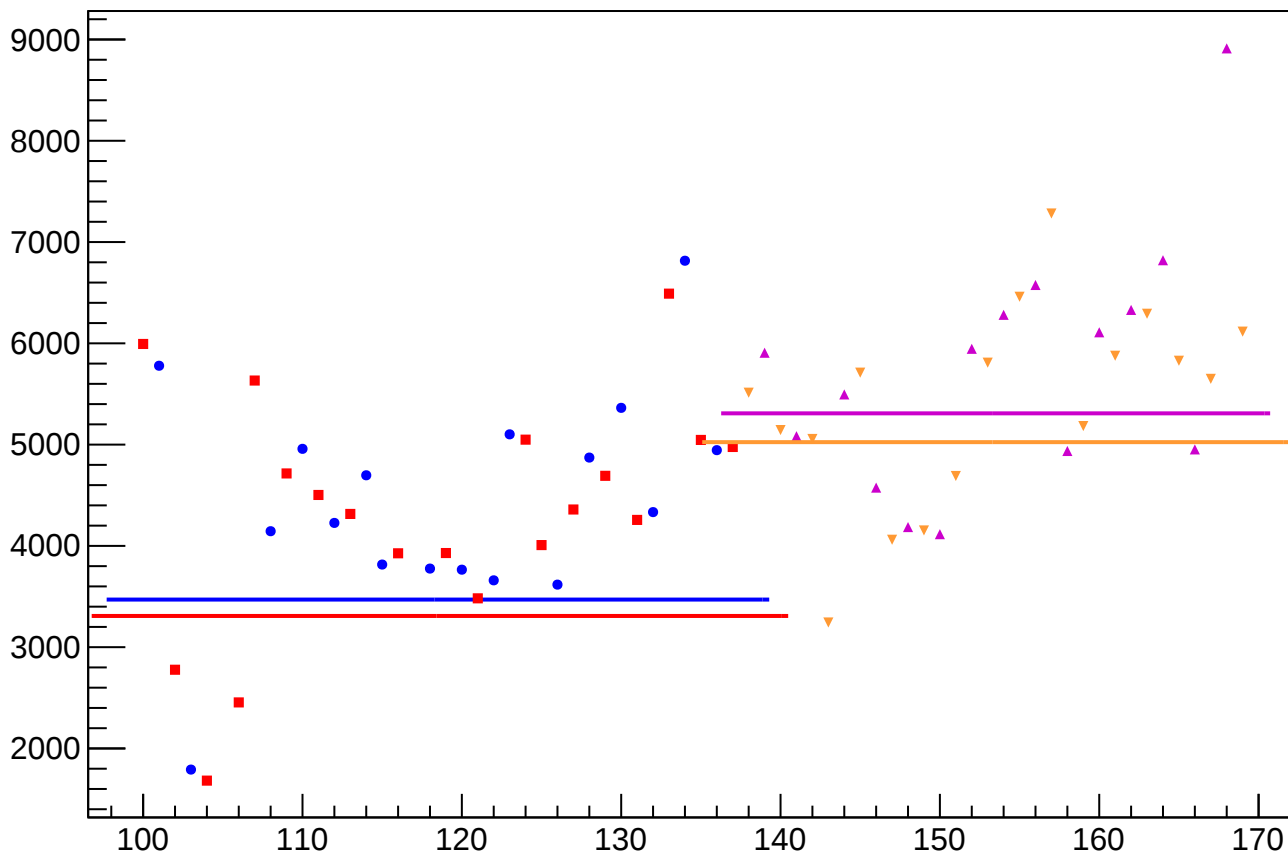
Left In: -1451.946+/-1582.917 χ^2/NDF : 8.6/14

+ sign 1983.356+/-1025.144 χ^2/NDF : 33.8/33

All: 124.376+/-730.384 χ^2/NDF : 66.9/67

- sign -1792.092+/-1040.874 χ^2/NDF : 26.4/33

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5024.393 $\pm$ 1.023 χ^2 /NDF:1041421.7/16

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

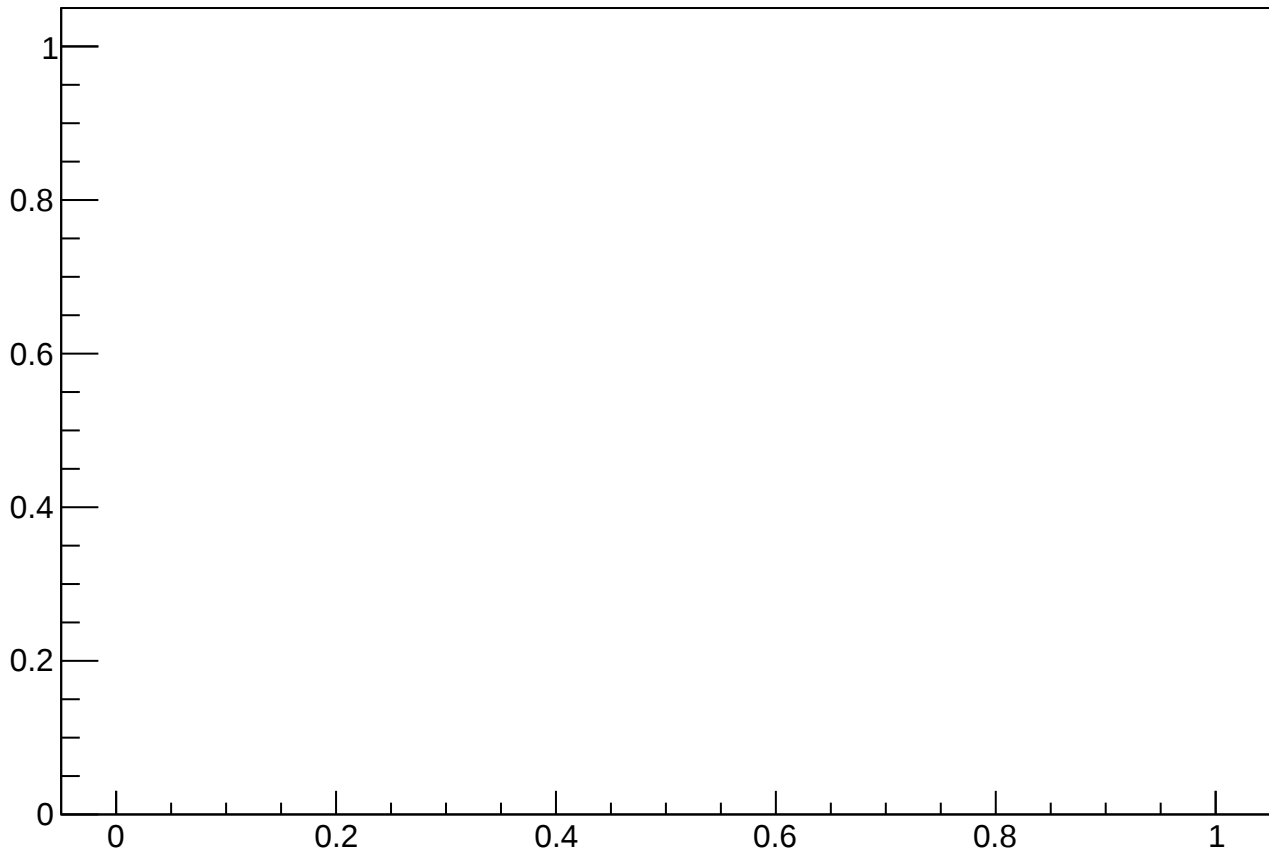
Left In: 5308.762 $\pm$ 1.119 χ^2 /NDF:850781.2/14

+ sign 4250.283 $\pm$ 0.725 χ^2 /NDF: 3951765.3/33

All: 4207.700 $\pm$ 0.515 χ^2 /NDF: 8547873.2/67

- sign 4164.255 $\pm$ 0.732 χ^2 /NDF: 4589136.0/33

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

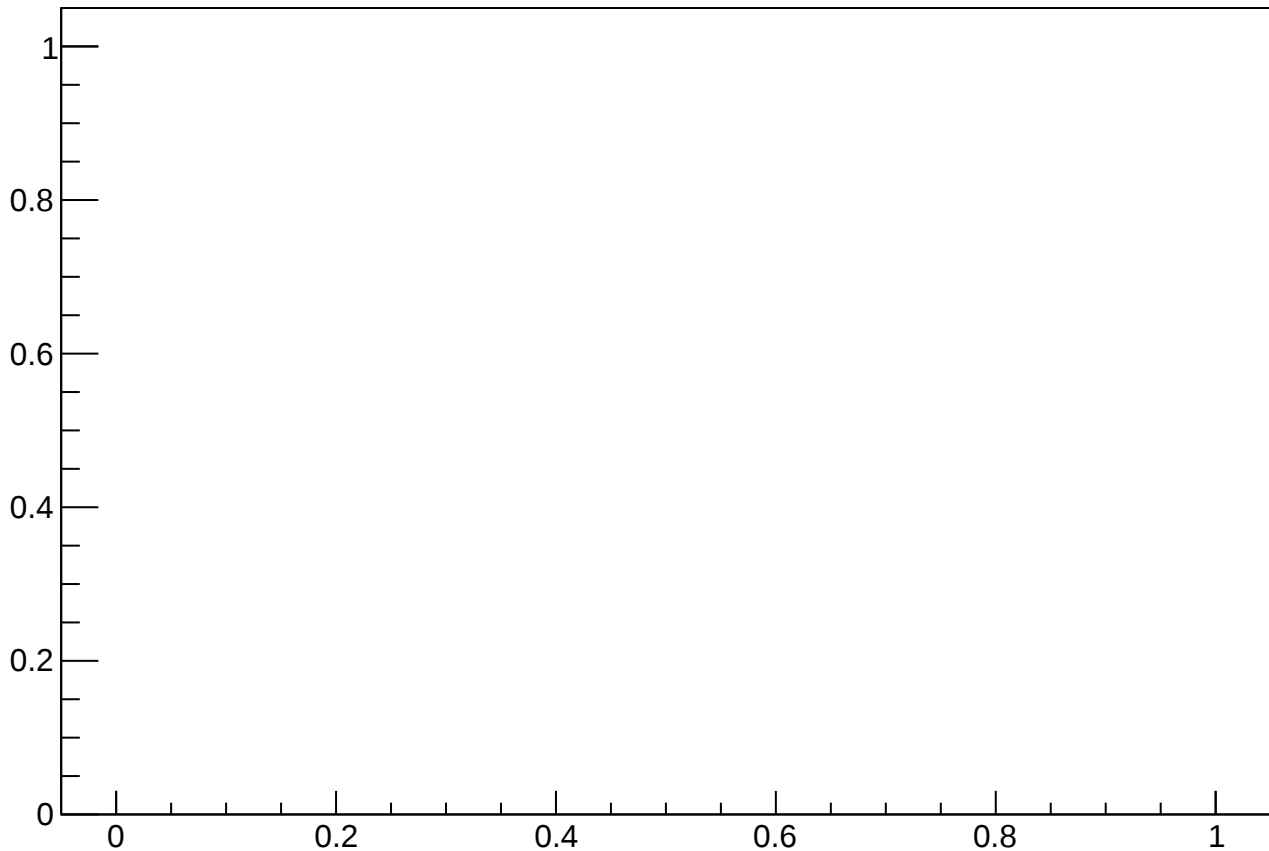
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

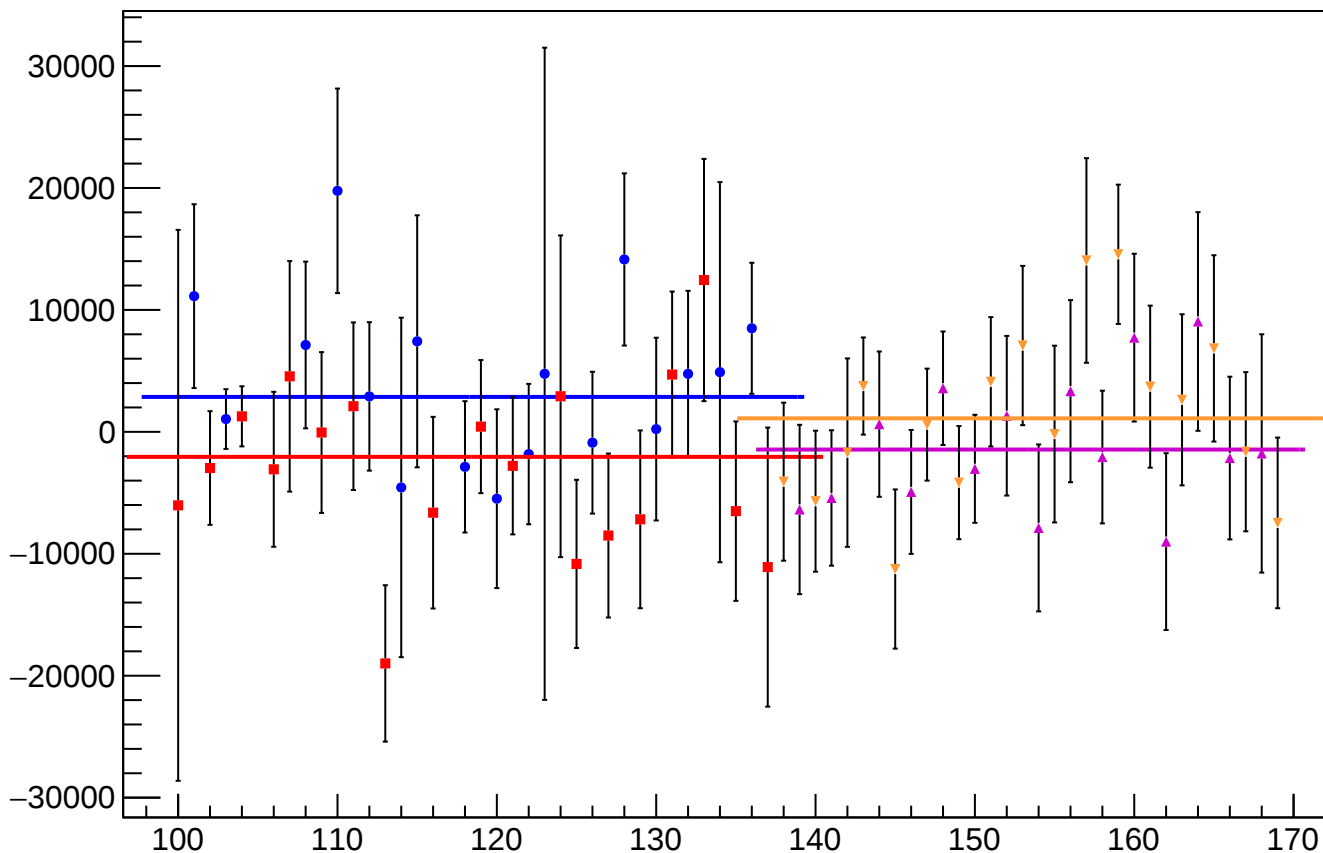
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ 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: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 1108.910+/-1446.904 χ^2/NDF : 19.0/16

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

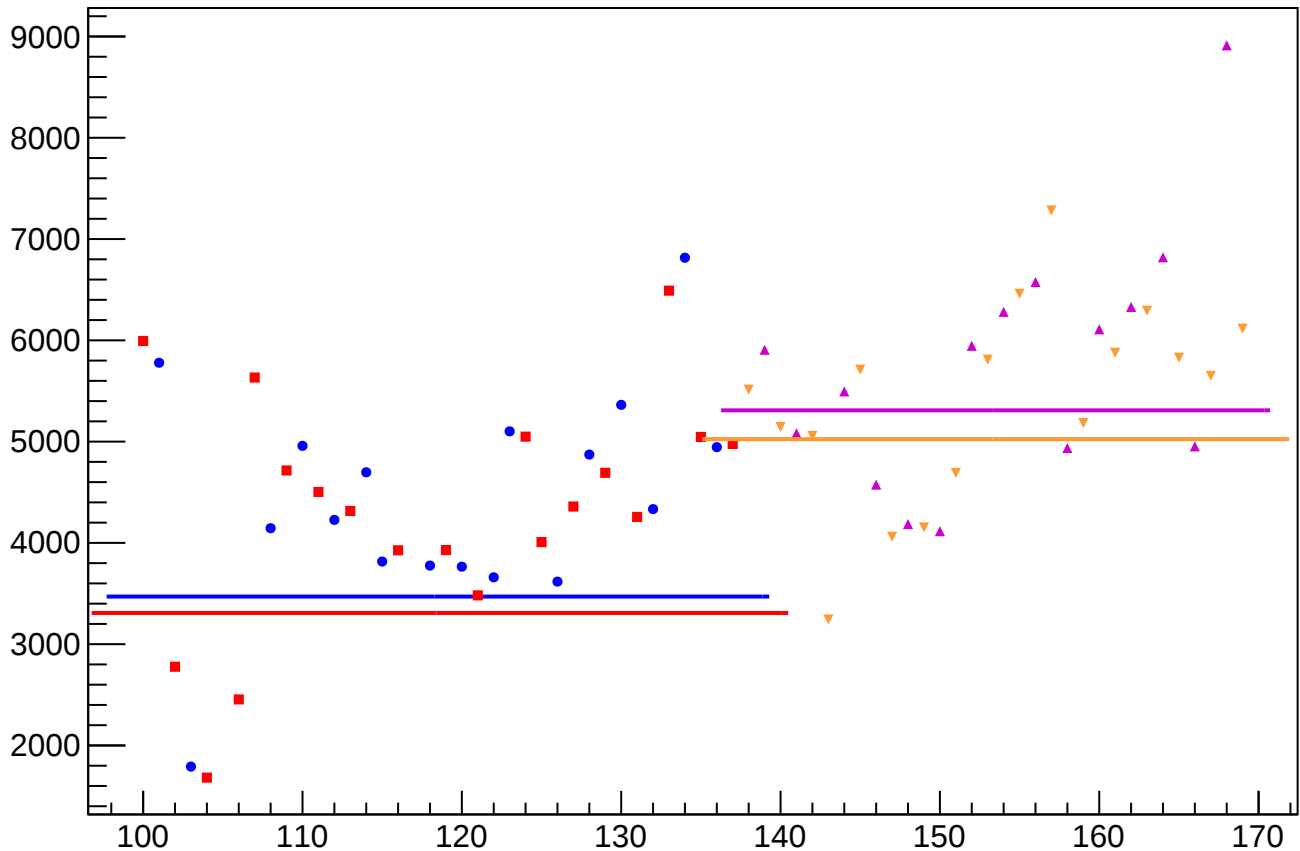
Left In: -1451.946+/-1582.917 χ^2/NDF : 8.6/14

+ sign 1983.356+/-1025.144 χ^2/NDF : 33.8/33

All: 124.376+/-730.384 χ^2/NDF : 66.9/67

- sign -1792.092+/-1040.874 χ^2/NDF : 26.4/33

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5024.393 $\pm$ 1.023 χ^2 /NDF:1041421.7/16

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

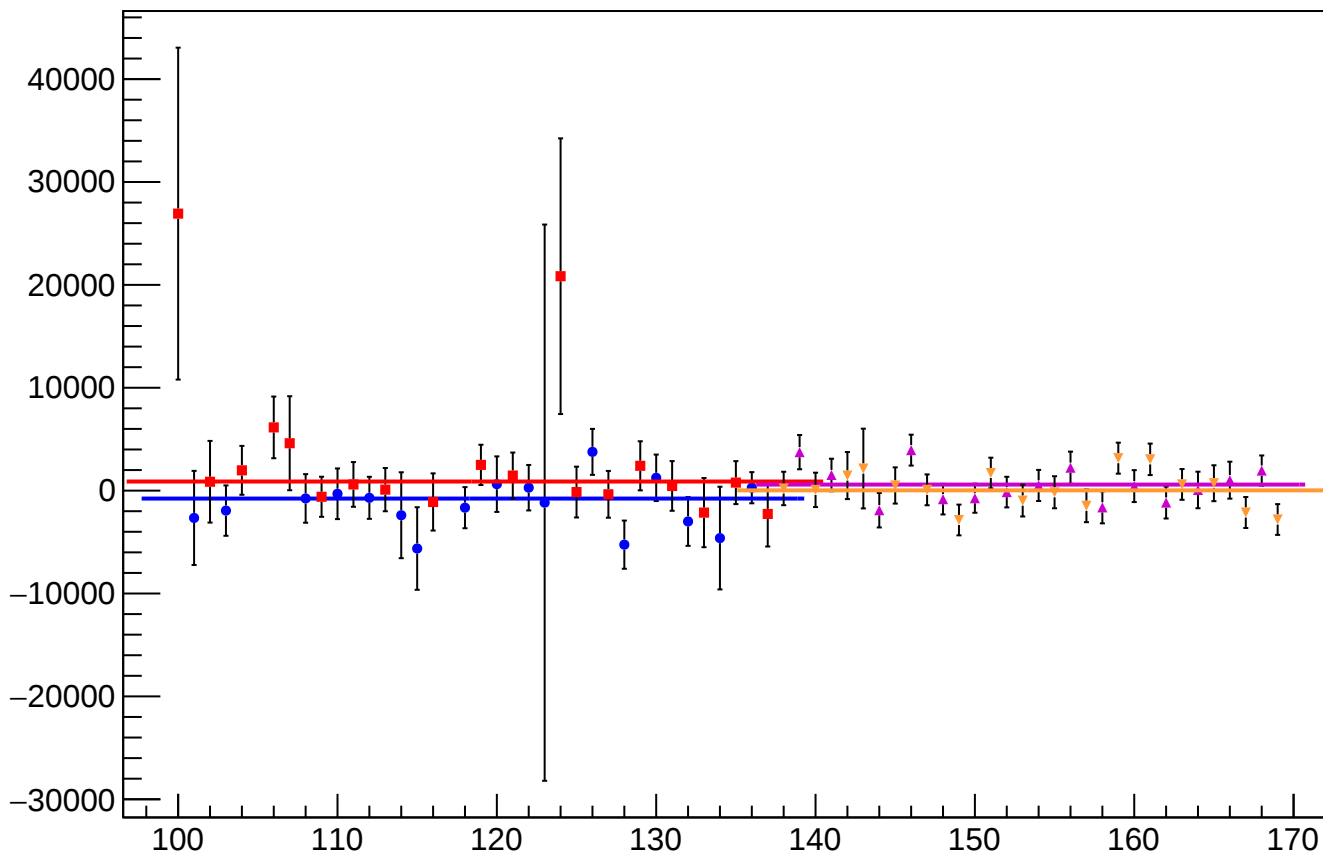
Left In: 5308.762 $\pm$ 1.119 χ^2 /NDF:850781.2/14

+ sign 4250.283 $\pm$ 0.725 χ^2 /NDF: 3951765.3/33

All: 4207.700 $\pm$ 0.515 χ^2 /NDF: 8547873.2/67

- sign 4164.255 $\pm$ 0.732 χ^2 /NDF: 4589136.0/33

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 26.815+/-394.693 χ^2/NDF : 21.2/16

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

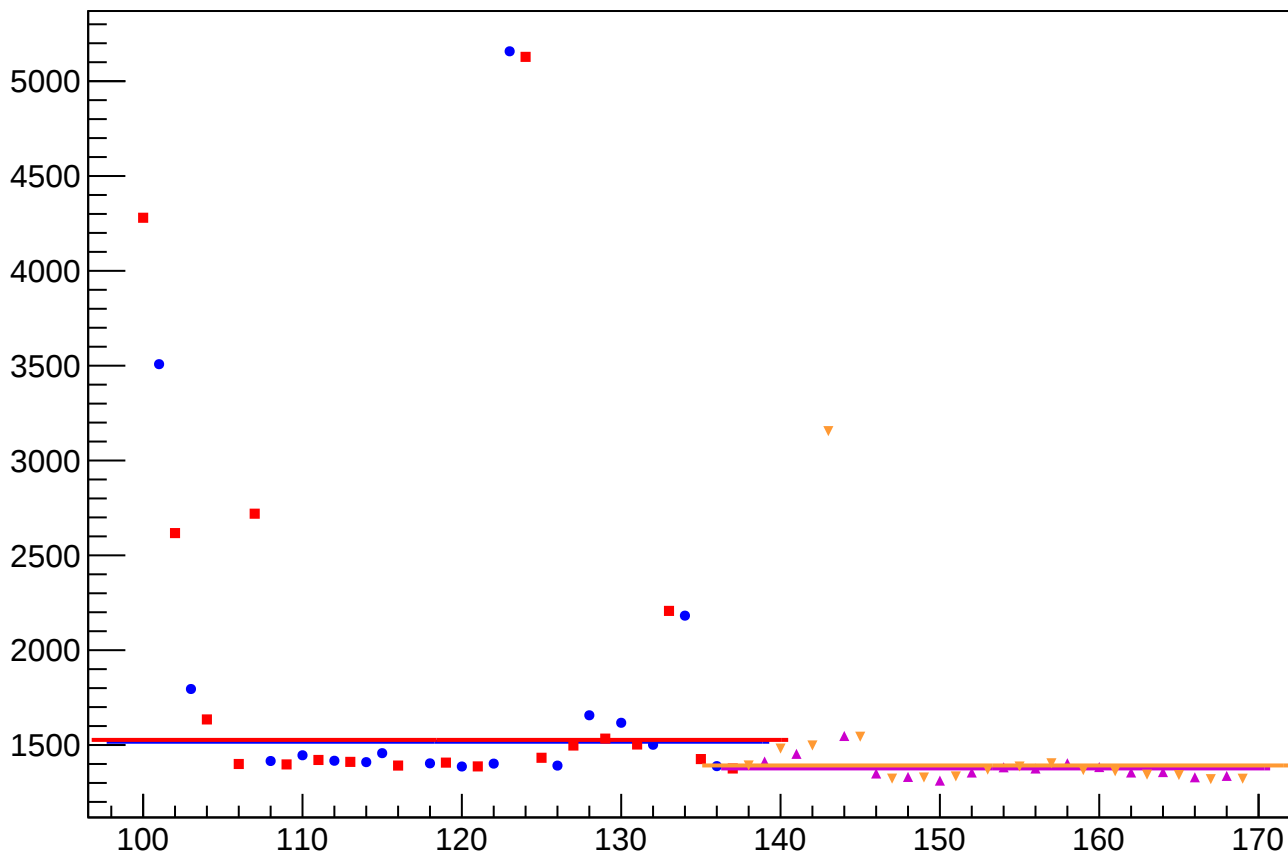
Left In: 589.213+/-403.181 χ^2/NDF : 18.6/14

+ sign -212.139+/-330.353 χ^2/NDF : 35.8/33

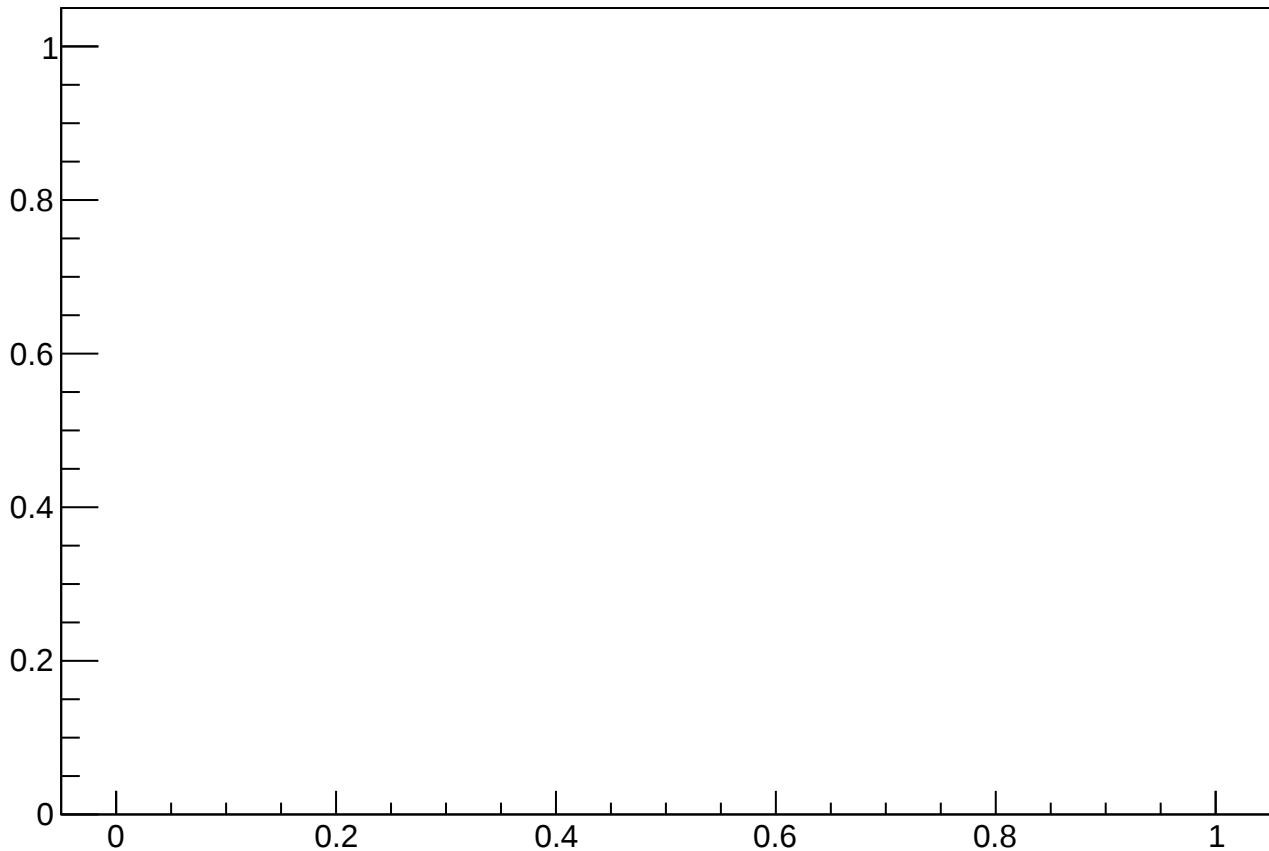
All: 230.476+/-234.797 χ^2/NDF : 71.6/67

- sign 682.324+/-333.780 χ^2/NDF : 32.2/33

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



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

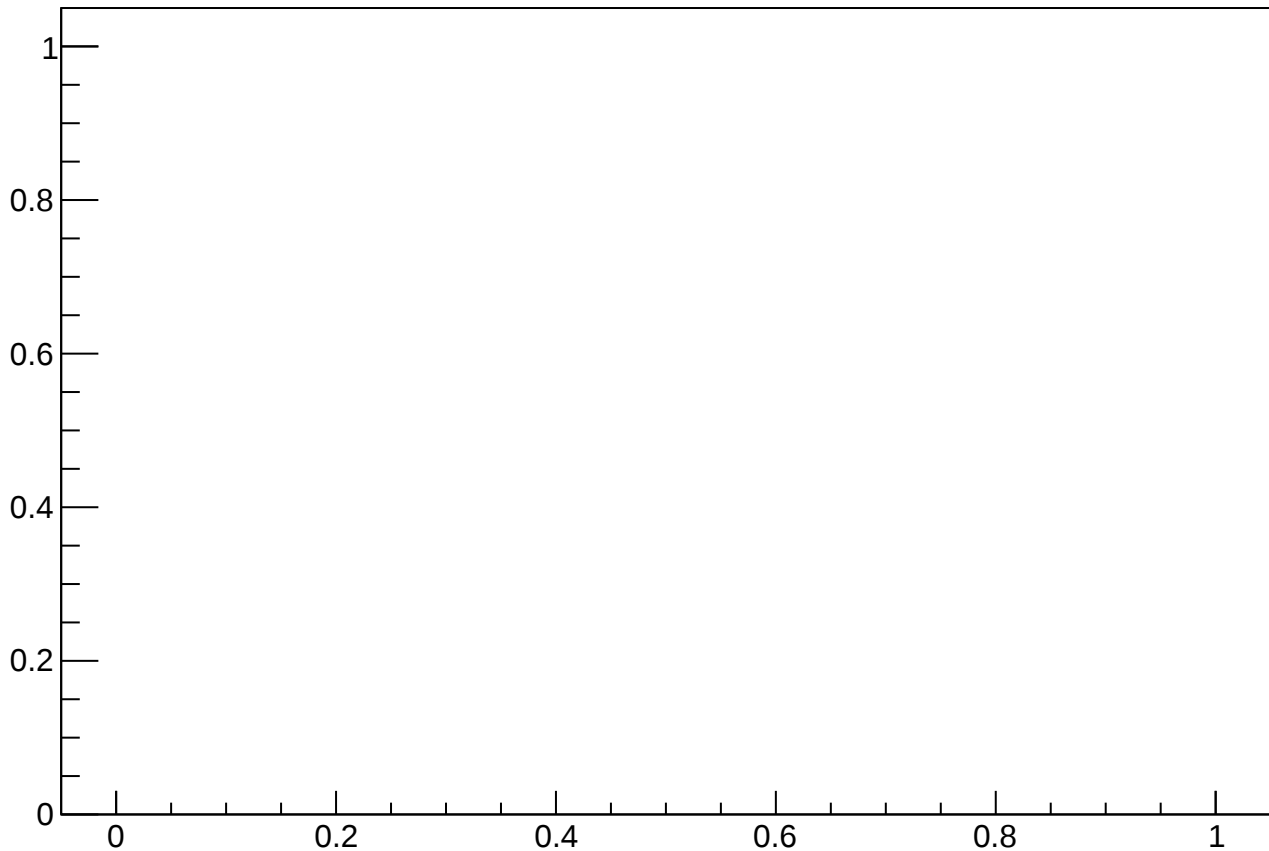
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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+/-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

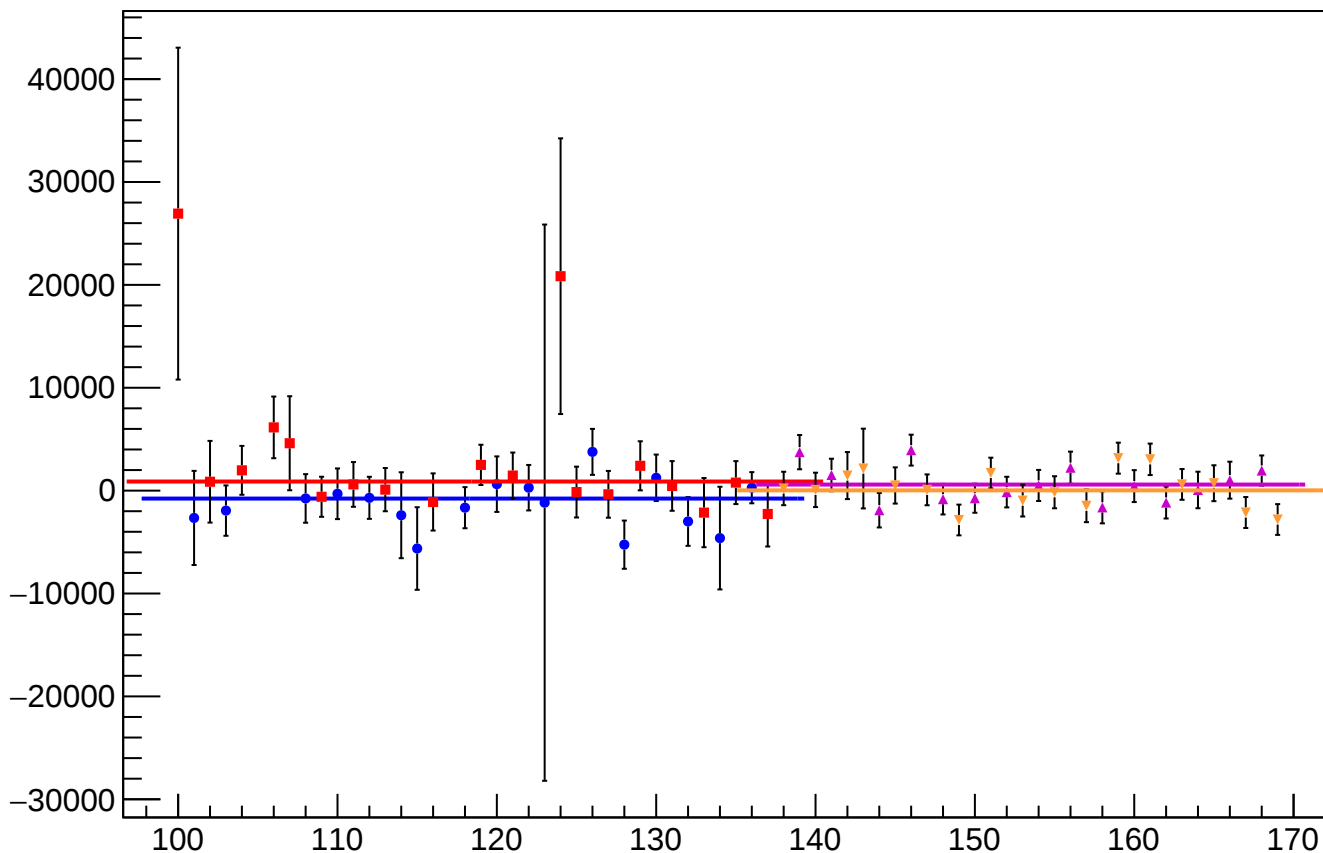
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ 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_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 26.815+/-394.693 χ^2/NDF : 21.2/16

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

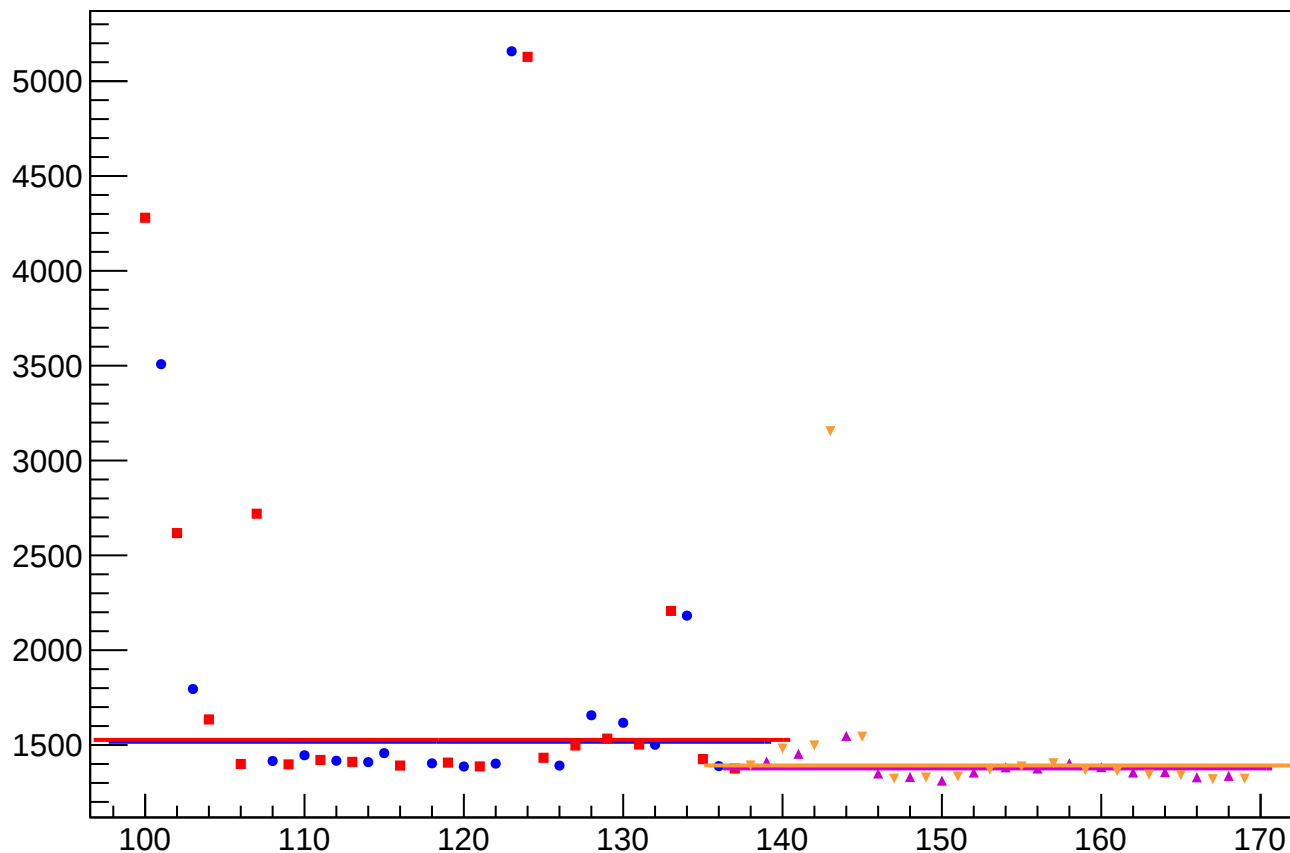
Left In: 589.213+/-403.181 χ^2/NDF : 18.6/14

+ sign -212.139+/-330.353 χ^2/NDF : 35.8/33

All: 230.476+/-234.797 χ^2/NDF : 71.6/67

- sign 682.324+/-333.780 χ^2/NDF : 32.2/33

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1392.208+/-0.279 χ^2/NDF : 464008.5/16

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

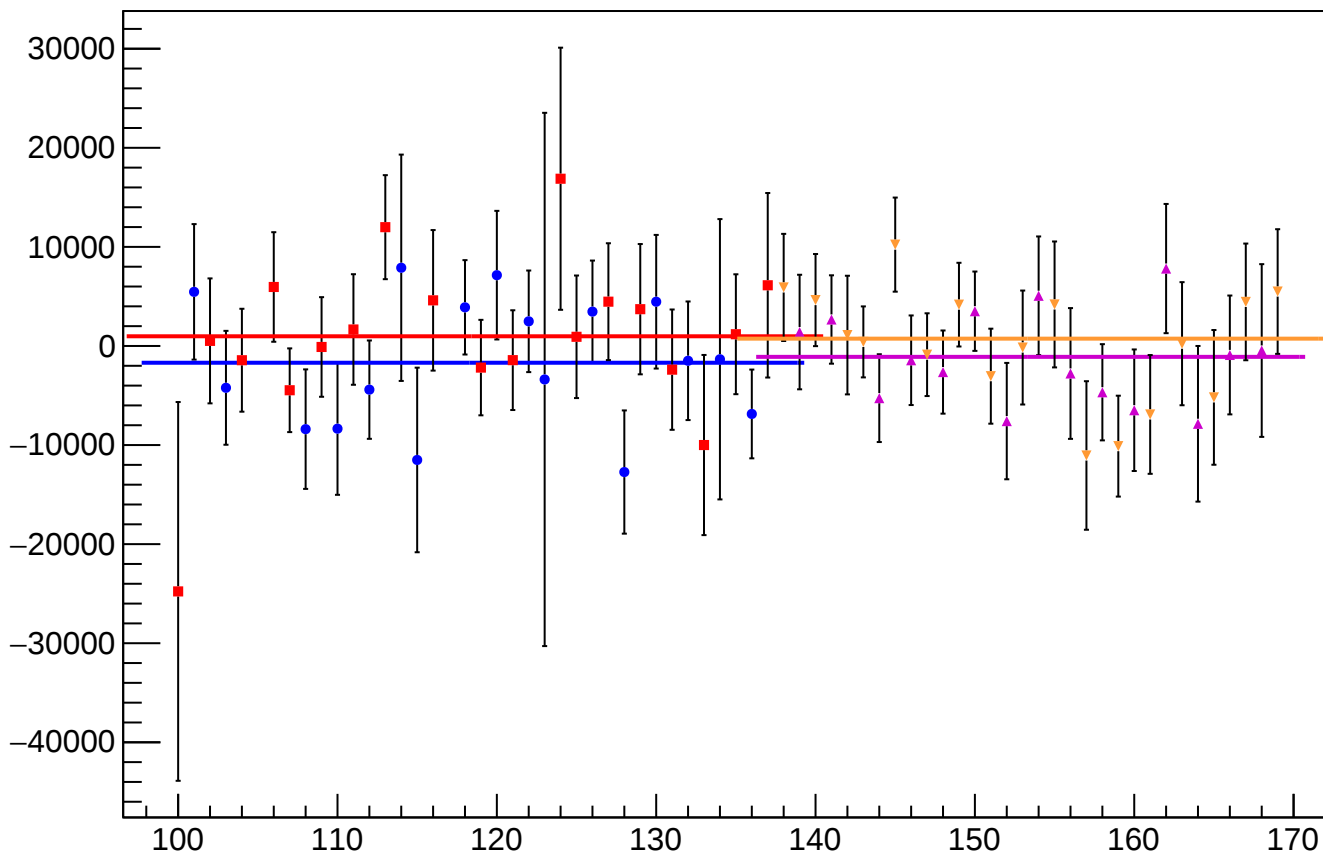
Left In: 1376.561+/-0.285 χ^2/NDF : 37675.2/14

+ sign 1429.678+/-0.234 χ^2/NDF : 1060862.7/33

All: 1426.817+/-0.166 χ^2/NDF : 1818142.9/67

- sign 1423.897+/-0.236 χ^2/NDF : 756977.1/33

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 739.243 $\pm$ 1261.457 χ^2 /NDF: 17.8/16

Right Out: 977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

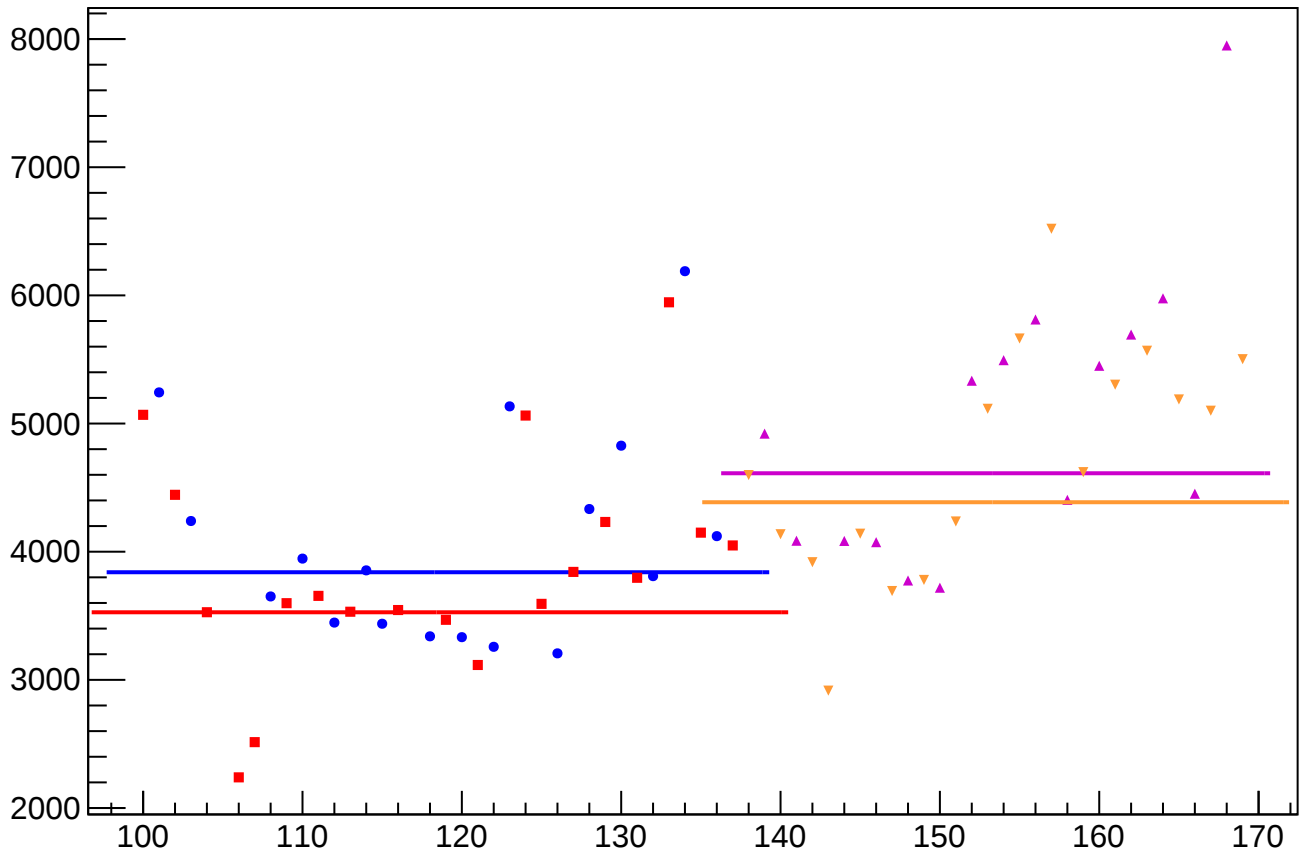
Left In: -1098.129 $\pm$ 1375.151 χ^2 /NDF: 9.5/14

+ sign -258.047 $\pm$ 968.865 χ^2 /NDF: 35.1/33

All: -160.969 $\pm$ 686.791 χ^2 /NDF: 59.7/67

- sign -62.921 $\pm$ 973.692 χ^2 /NDF: 24.6/33

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751 ± 1.070 $\chi^2/\text{NDF}: 325959.2/16$

Left Out: 4386.010 ± 0.892 $\chi^2/\text{NDF}: 980150.7/16$

Right Out: 3527.320 ± 0.966 $\chi^2/\text{NDF}: 554785.4/18$

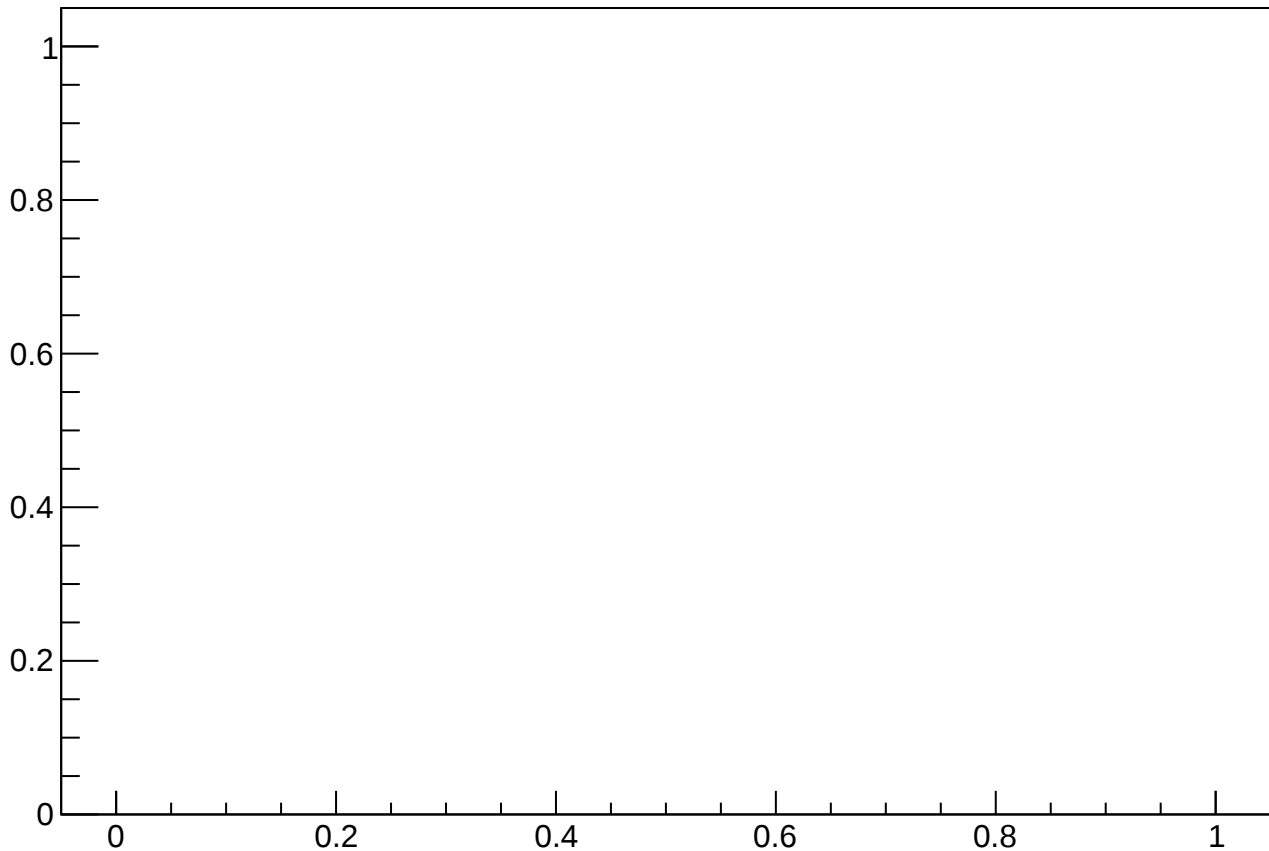
Left In: 4612.106 ± 0.972 $\chi^2/\text{NDF}: 860319.7/14$

+ sign 4161.984 ± 0.685 $\chi^2/\text{NDF}: 1459918.5/33$

All: 4114.125 ± 0.485 $\chi^2/\text{NDF}: 3511069.9/67$

- sign 4066.227 ± 0.685 $\chi^2/\text{NDF}: 2041387.0/33$

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

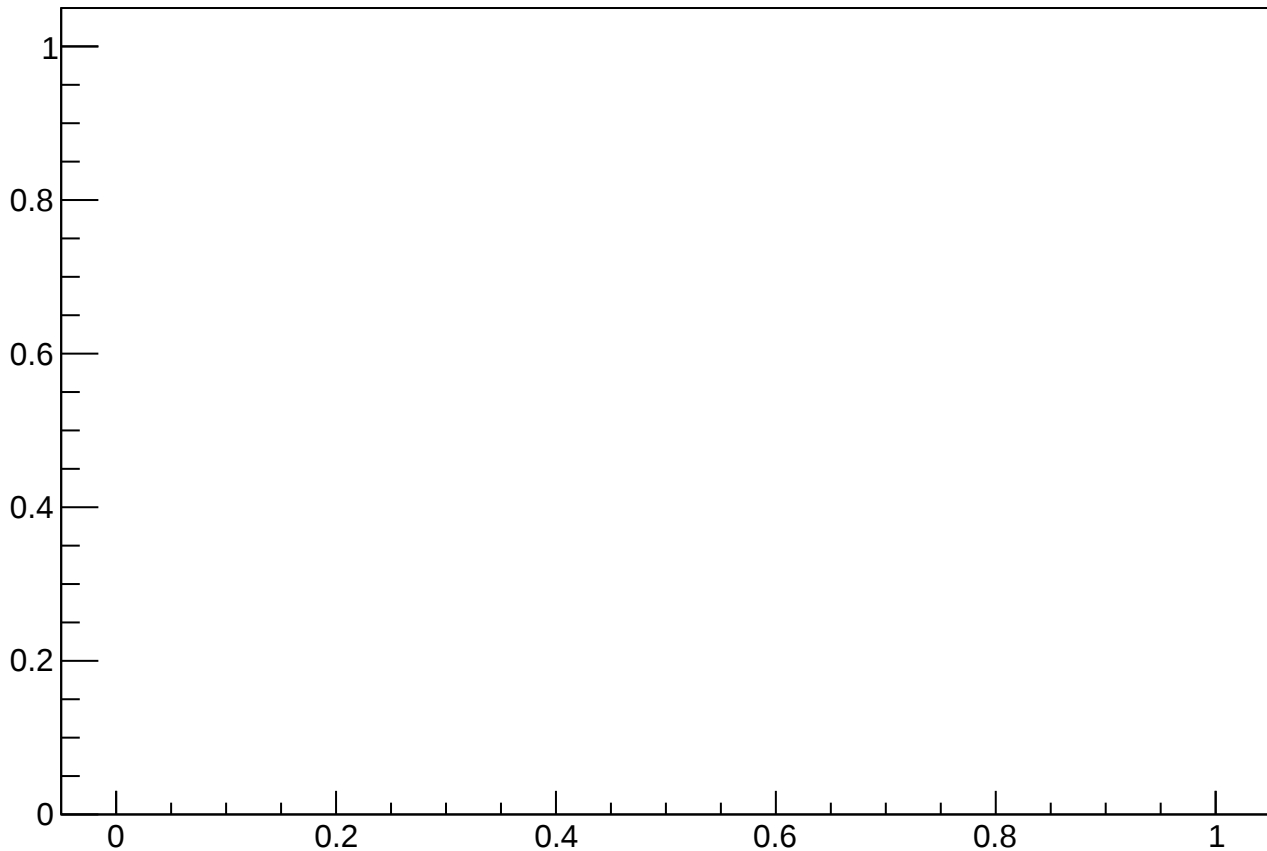
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

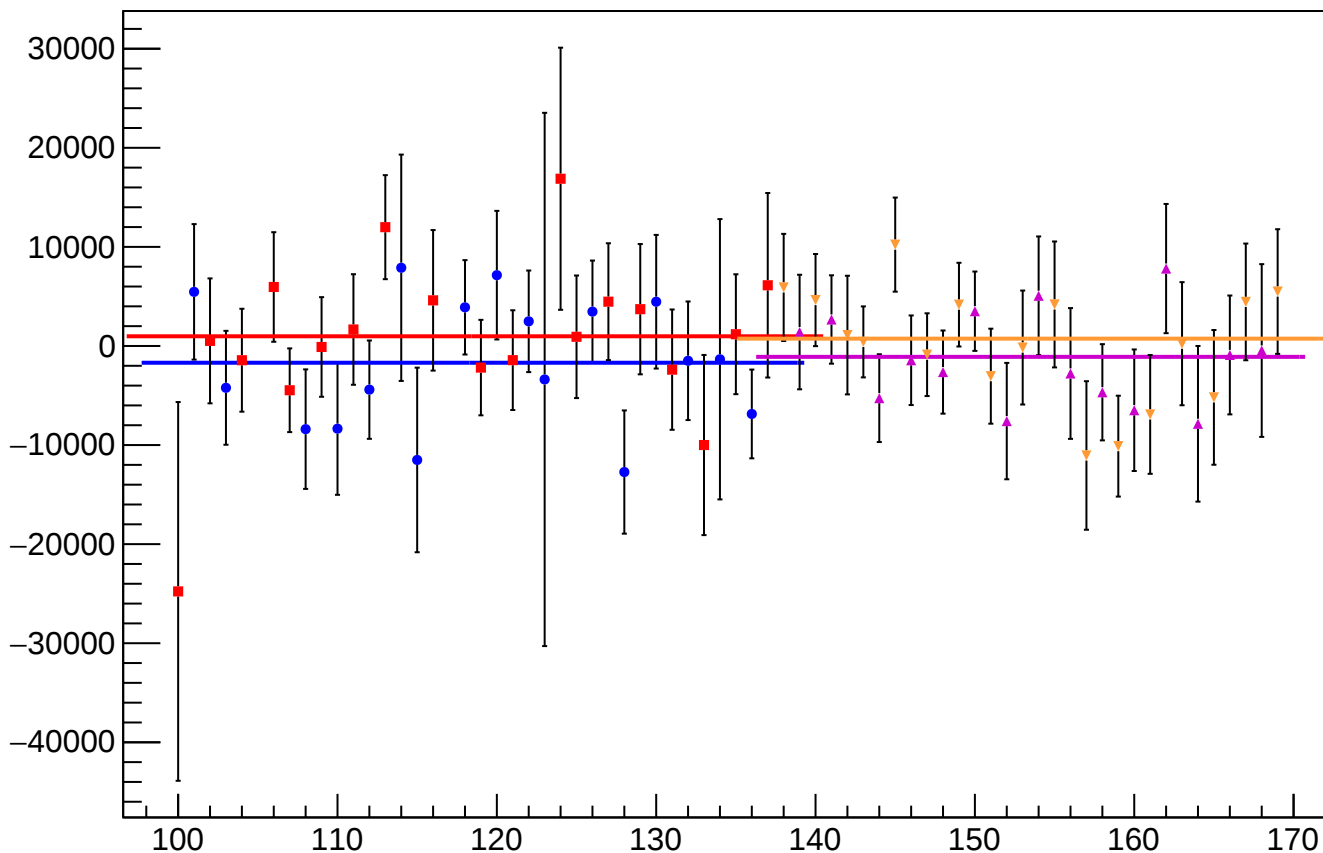
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 739.243+/-1261.457 χ^2/NDF : 17.8/16

Right Out: 977.899+/-1378.874 χ^2/NDF : 13.9/18

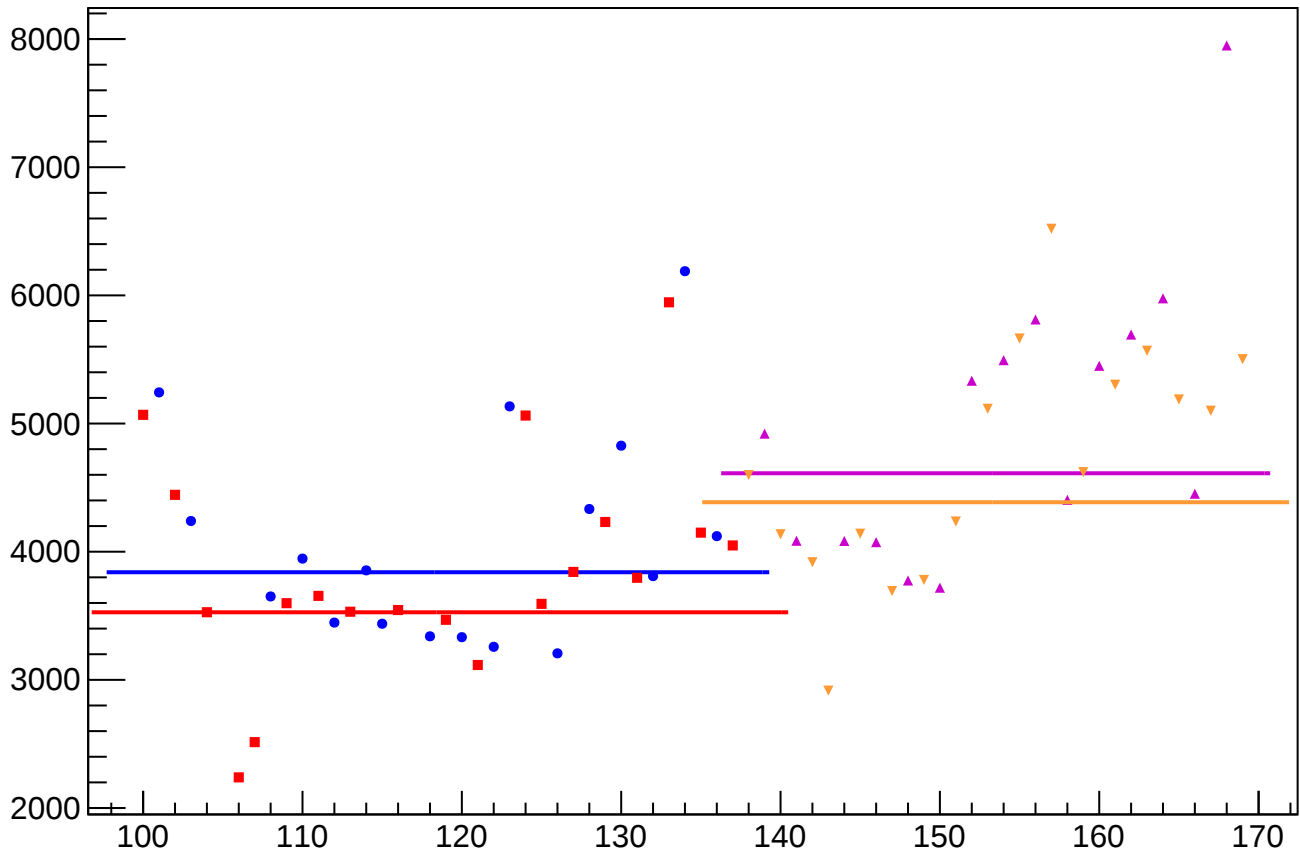
Left In: -1098.129+/-1375.151 χ^2/NDF : 9.5/14

+ sign -258.047+/-968.865 χ^2/NDF : 35.1/33

All: -160.969+/-686.791 χ^2/NDF : 59.7/67

- sign -62.921+/-973.692 χ^2/NDF : 24.6/33

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4386.010+/-0.892 χ^2/NDF : 980150.7/16

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

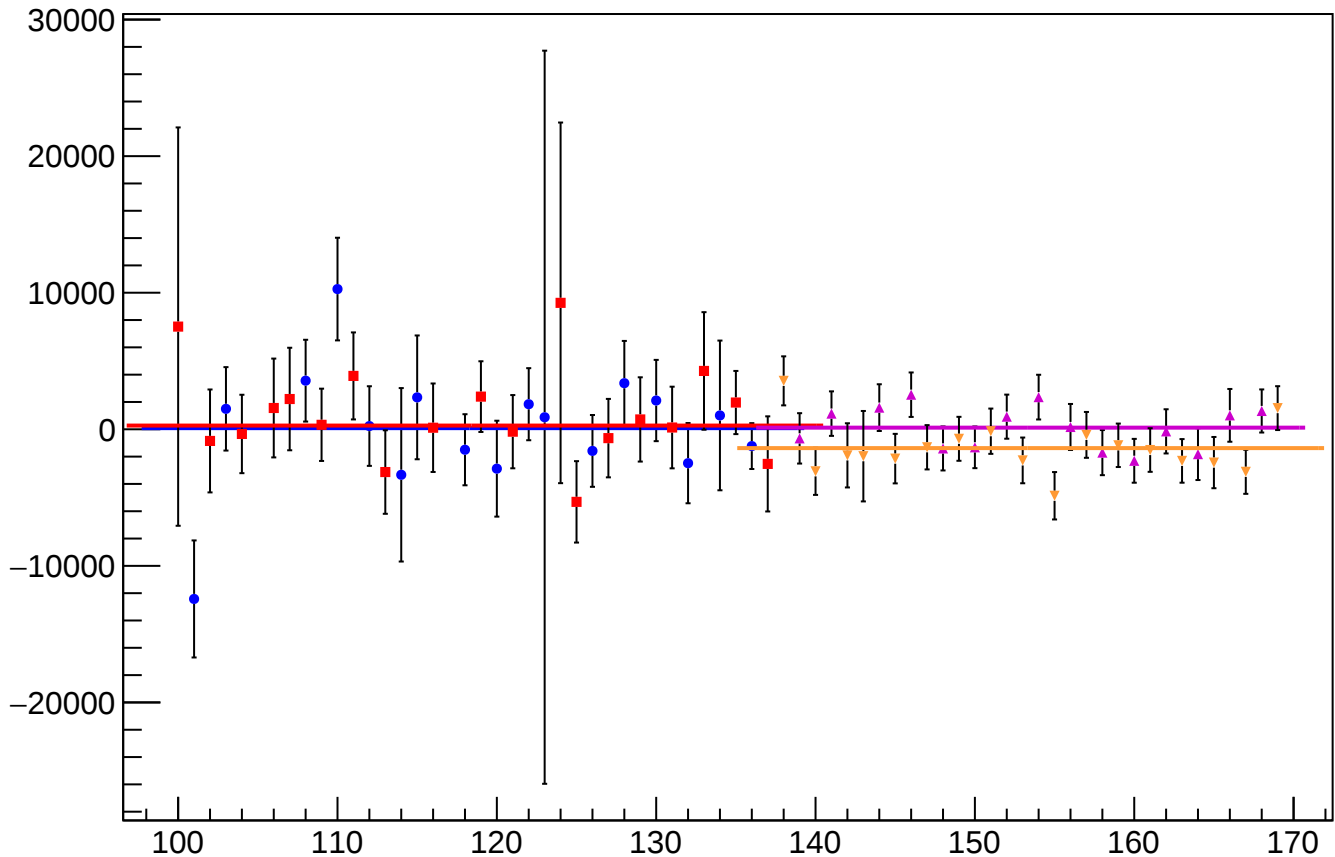
Left In: 4612.106+/-0.972 χ^2/NDF : 860319.7/14

+ sign 4161.984+/-0.685 χ^2/NDF : 1459918.5/33

All: 4114.125+/-0.485 χ^2/NDF : 3511069.9/67

- sign 4066.227+/-0.685 χ^2/NDF : 2041387.0/33

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 ± 750.549 χ^2/NDF : 22.9/16

Left Out: -1378.061 ± 421.335 χ^2/NDF : 19.3/16

Right Out: 272.707 ± 734.115 χ^2/NDF : 10.2/18

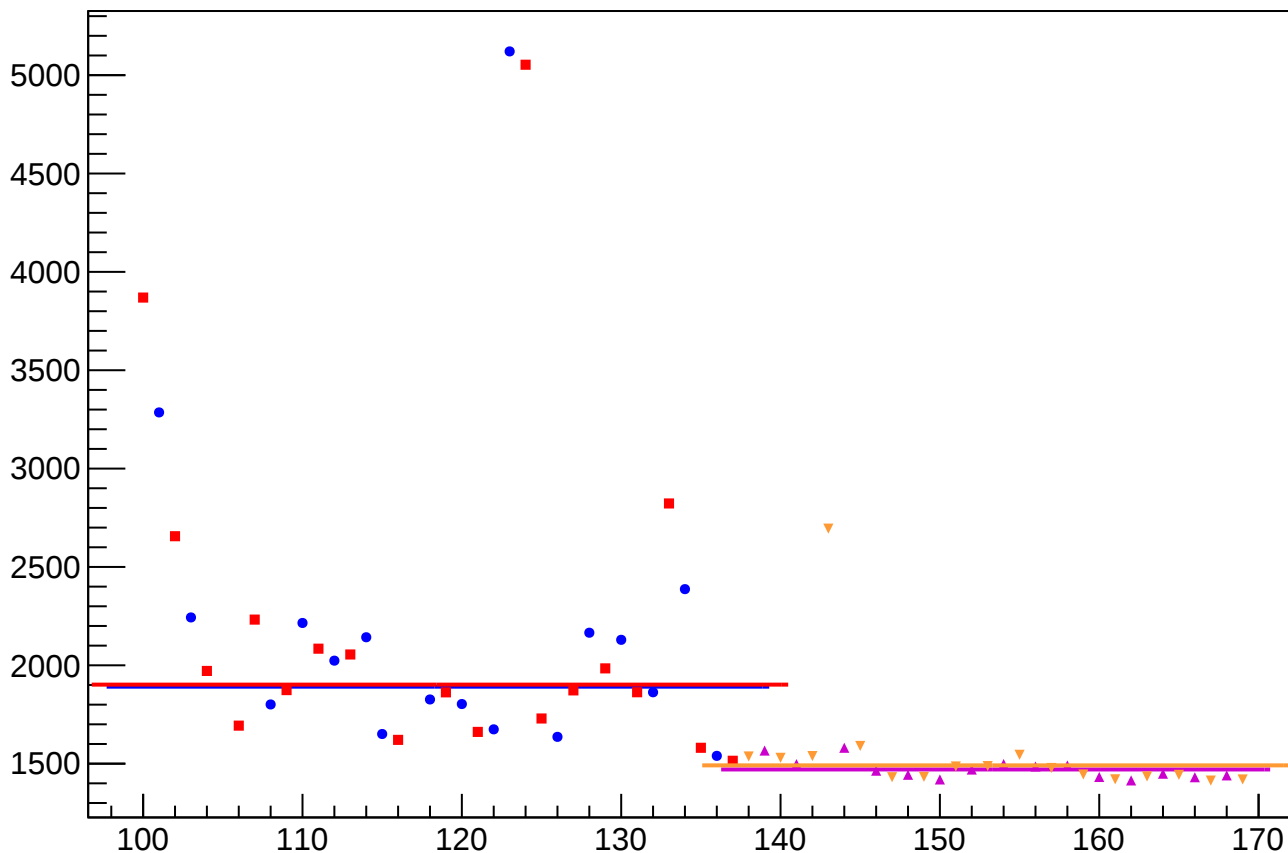
Left In: 120.013 ± 430.459 χ^2/NDF : 12.8/14

+ sign -1027.753 ± 367.403 χ^2/NDF : 45.1/33

All: -440.646 ± 261.171 χ^2/NDF : 73.3/67

- sign 159.081 ± 371.331 χ^2/NDF : 23.0/33

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1491.376 $\pm$ 0.298 χ^2 /NDF: 298668.1/16

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

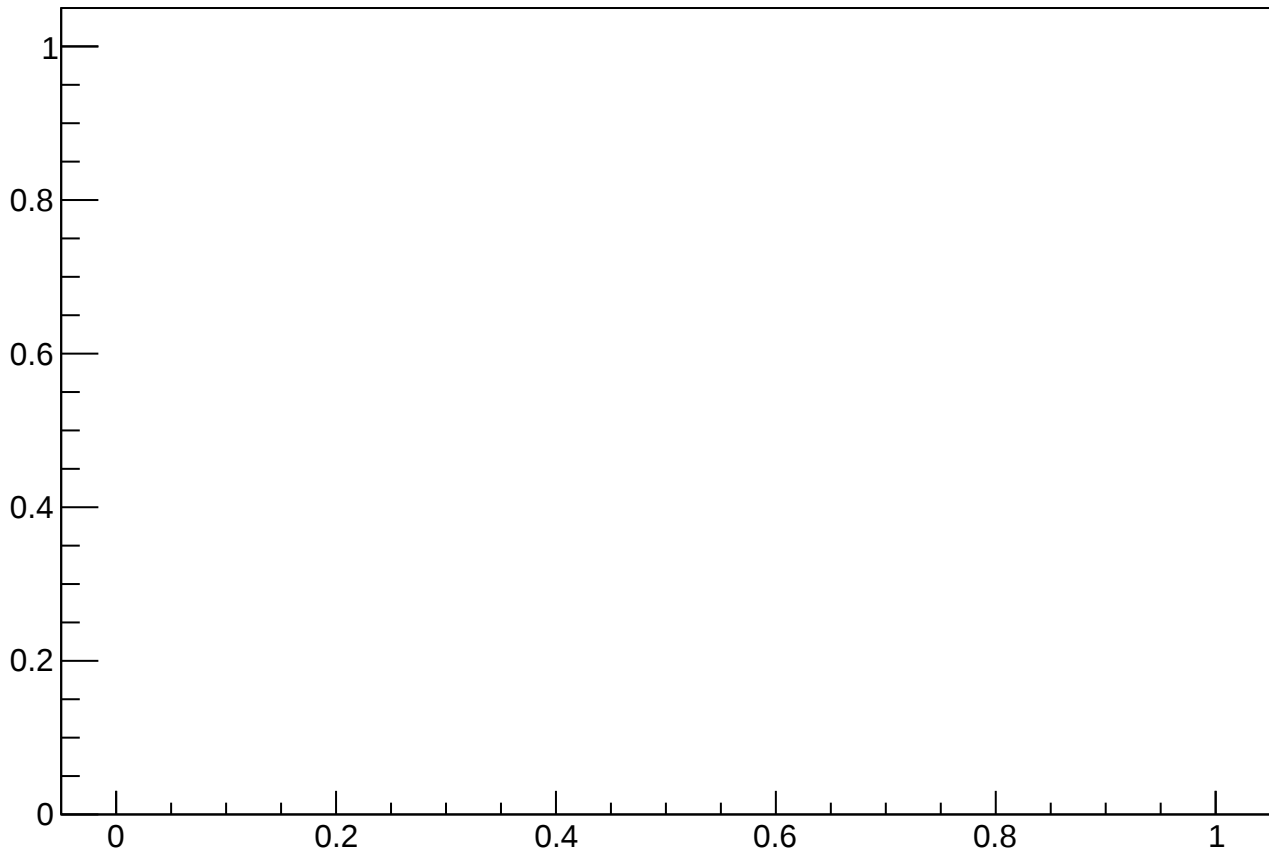
Left In: 1470.520 $\pm$ 0.304 χ^2 /NDF: 23477.8/14

+ sign 1587.254 $\pm$ 0.260 χ^2 /NDF: 1195358.8/33

All: 1584.094 $\pm$ 0.185 χ^2 /NDF: 2193490.4/67

- sign 1580.867 $\pm$ 0.263 χ^2 /NDF: 997832.6/33

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

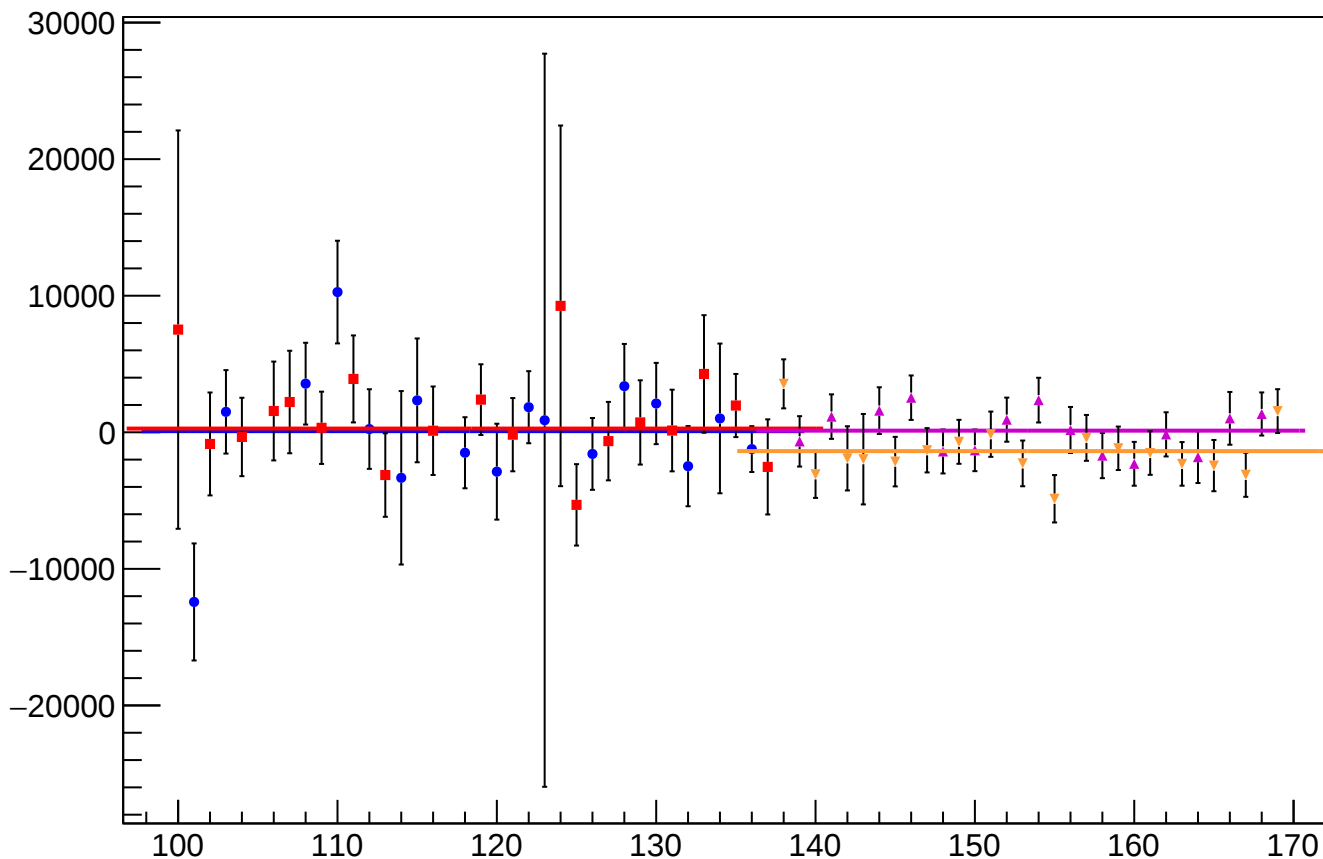
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1378.061 $\pm$ 421.335 χ^2 /NDF:19.3/16

Right Out: 272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

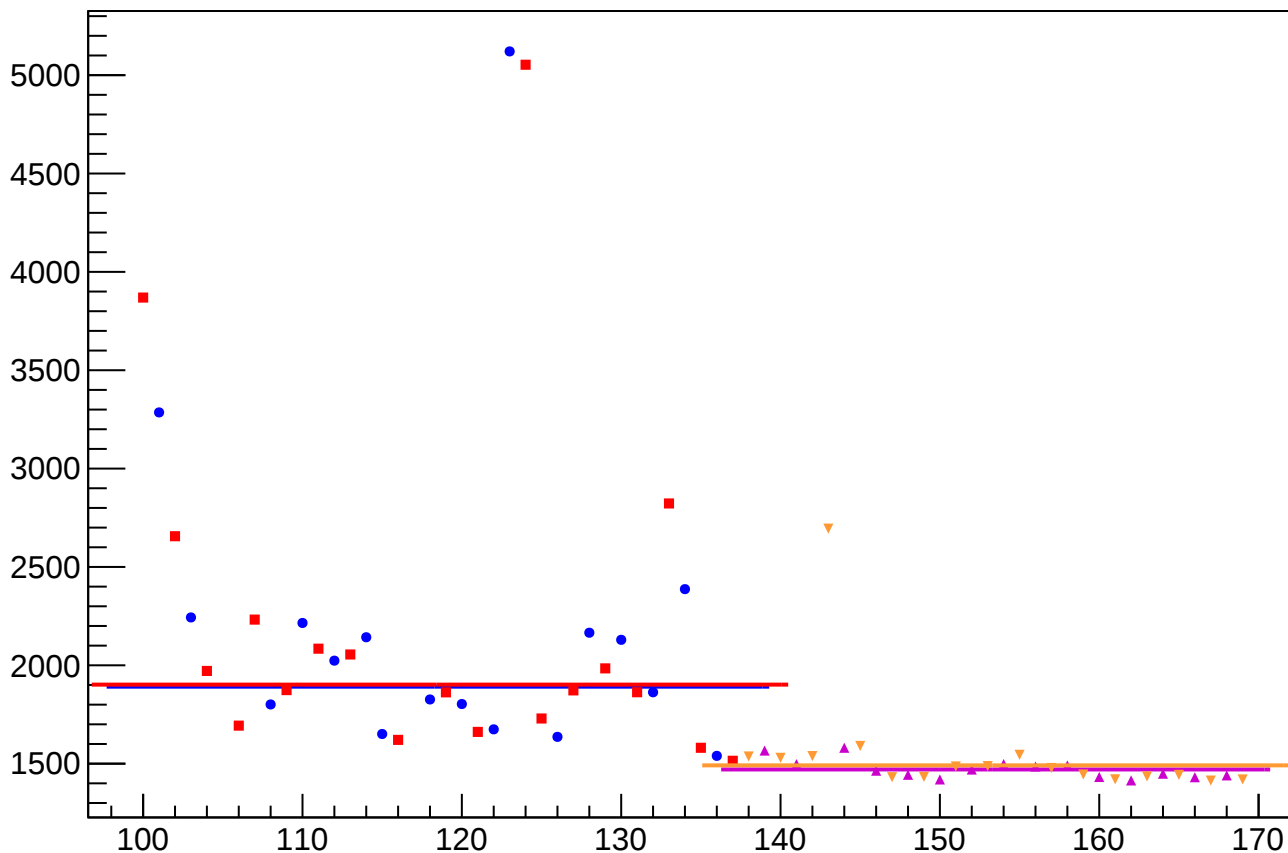
Left In: 120.013 $\pm$ 430.459 χ^2 /NDF:12.8/14

+ sign -1027.753 $\pm$ 367.403 χ^2 /NDF: 45.1/33

All: -440.646 $\pm$ 261.171 χ^2 /NDF: 73.3/67

- sign 159.081 $\pm$ 371.331 χ^2 /NDF: 23.0/33

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2 /NDF: 464497.5/16

Left Out: 1491.376+/-0.298 χ^2 /NDF: 298668.1/16

Right Out: 1901.797+/-0.519 χ^2 /NDF: 460687.3/18

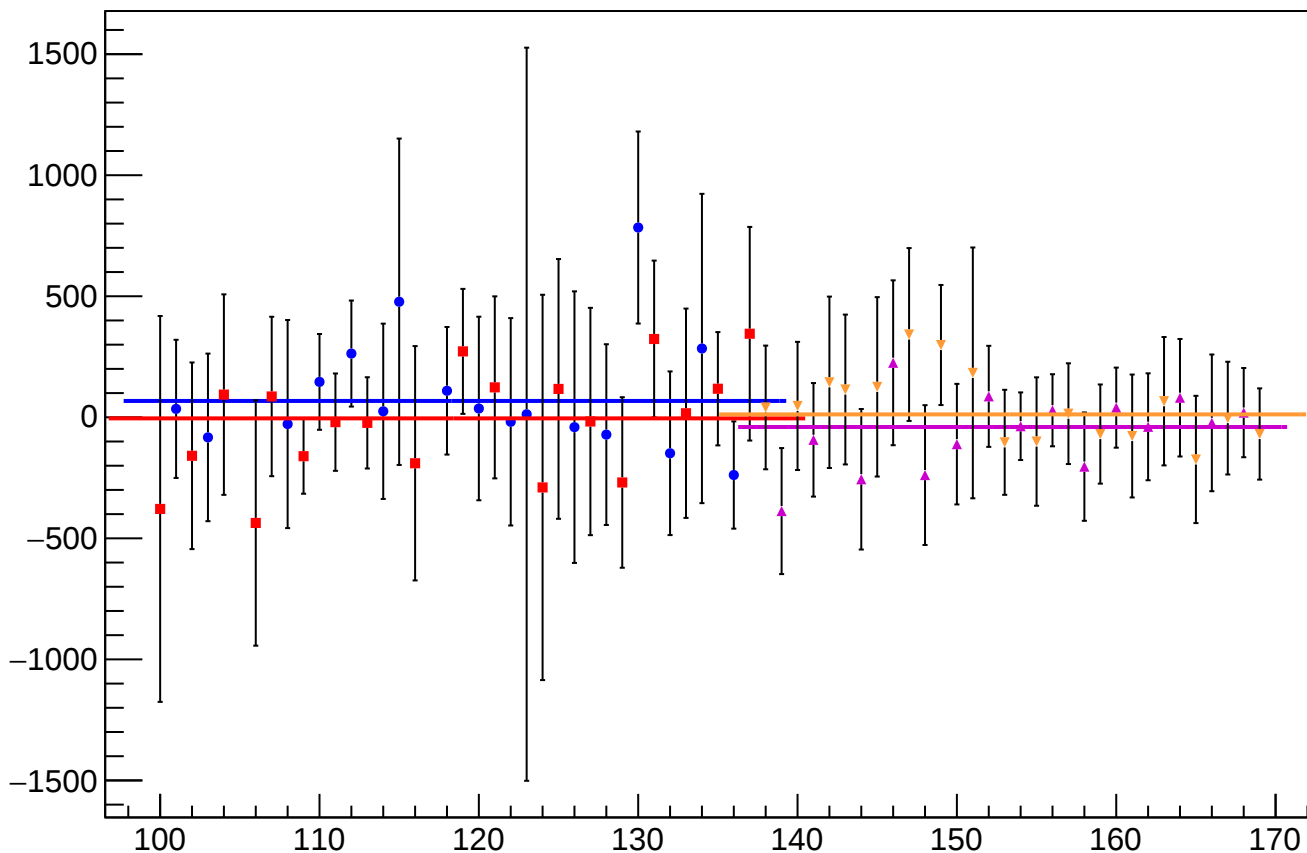
Left In: 1470.520+/-0.304 χ^2 /NDF: 23477.8/14

+ sign 1587.254+/-0.260 χ^2 /NDF: 1195358.8/33

All: 1584.094+/-0.185 χ^2 /NDF: 2193490.4/67

- sign 1580.867+/-0.263 χ^2 /NDF: 997832.6/33

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 12.006 $\pm$ 62.462 χ^2 /NDF: 4.1/16

Right Out: -4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

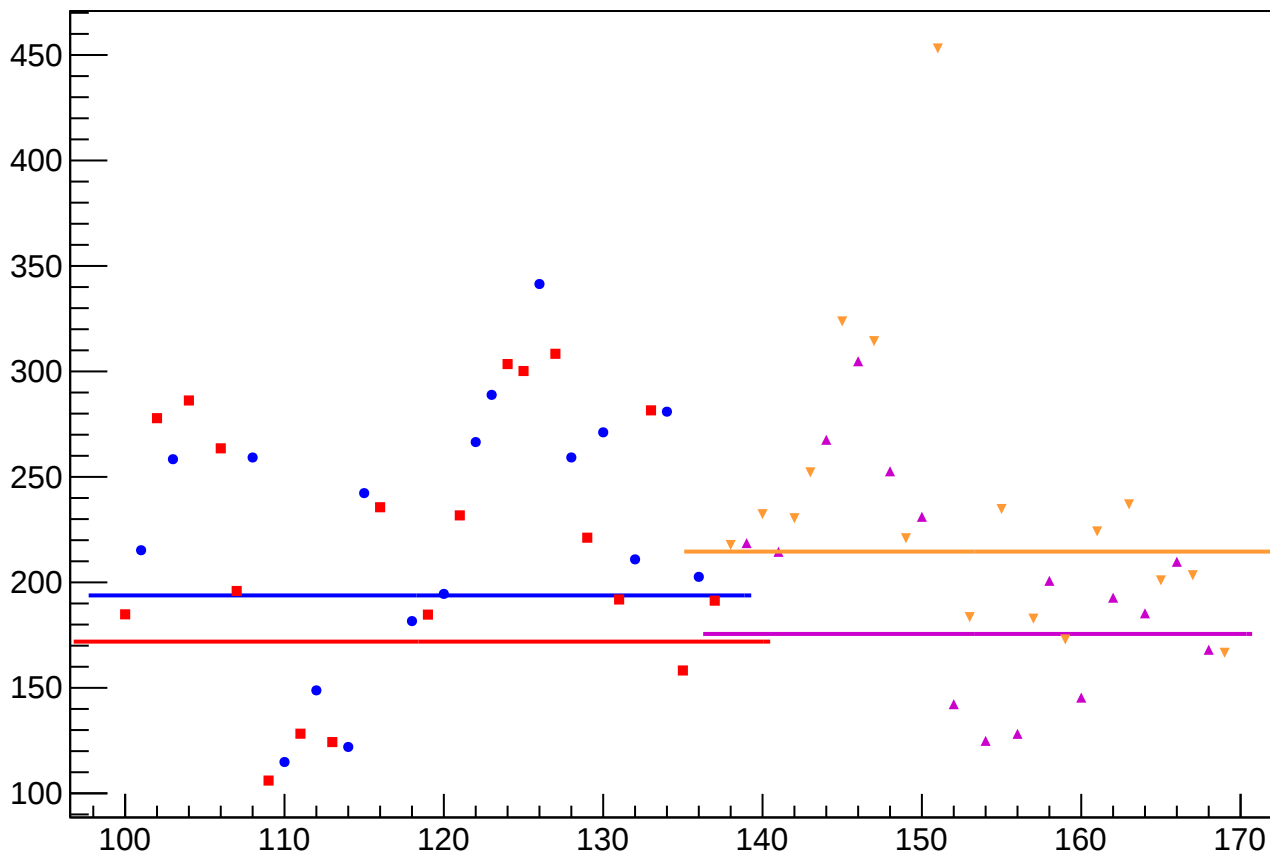
Left In: -40.129 $\pm$ 54.485 χ^2 /NDF: 5.3/14

+ sign 33.167 $\pm$ 49.141 χ^2 /NDF: 12.0/33

All: -0.718 $\pm$ 32.359 χ^2 /NDF: 24.6/67

- sign -26.660 $\pm$ 42.998 χ^2 /NDF: 11.8/33

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 214.596 $\pm$ 0.044 χ^2 /NDF:1136250.4/16

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

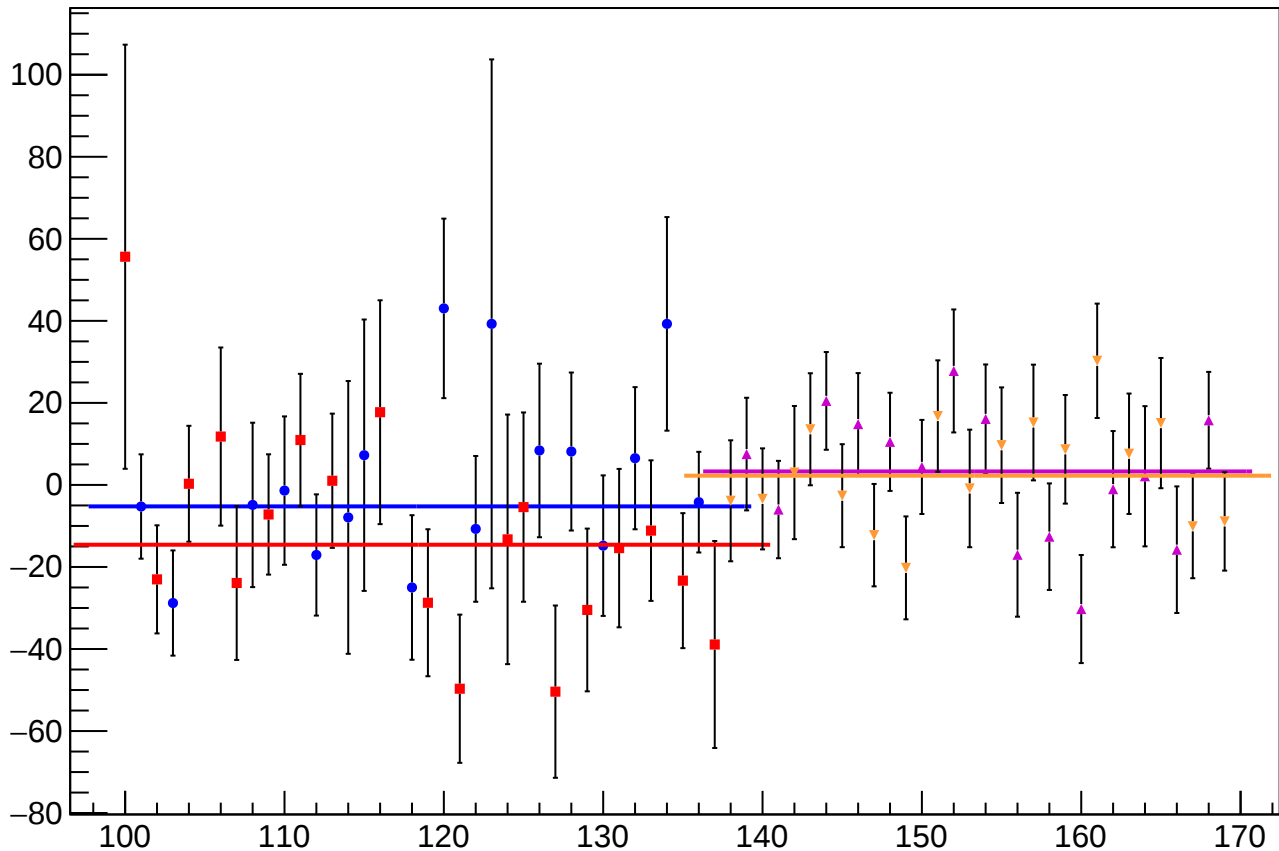
Left In: 175.561 $\pm$ 0.039 χ^2 /NDF:1497643.7/14

+ sign 206.678 $\pm$ 0.035 χ^2 /NDF: 2230931.8/33

All: 188.276 $\pm$ 0.023 χ^2 /NDF: 5804187.4/67

- sign 174.188 $\pm$ 0.030 χ^2 /NDF: 3078089.0/33

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: 2.252 ± 3.289 χ^2/NDF : 15.0/16

Right Out: -14.579 ± 4.265 χ^2/NDF : 19.5/18

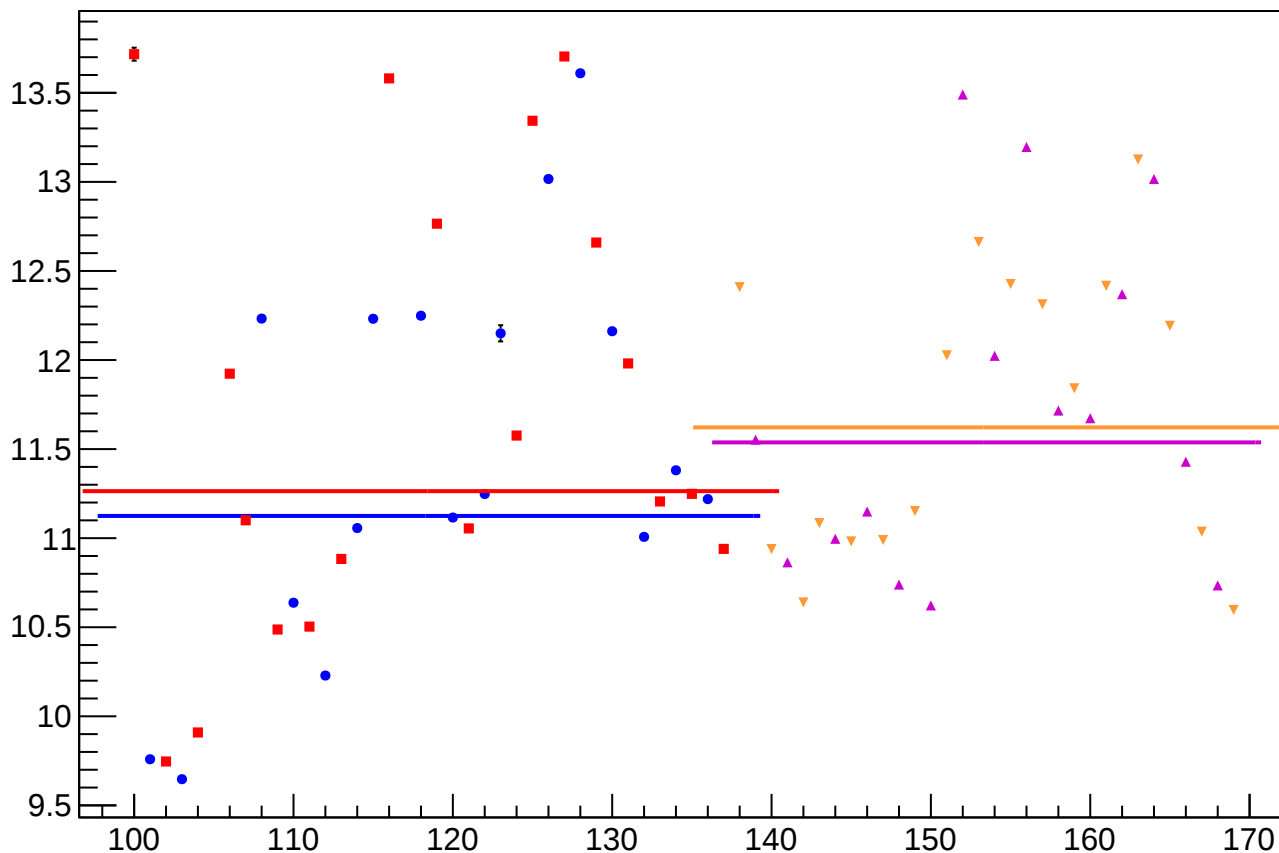
Left In: 3.291 ± 3.400 χ^2/NDF : 20.2/14

+ sign -0.465 ± 2.625 χ^2/NDF : 32.3/33

All: -2.039 ± 1.868 χ^2/NDF : 83.5/67

- sign -3.654 ± 2.659 χ^2/NDF : 50.4/33

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.622 $\pm$ 0.002 χ^2 /NDF: 108540.8/16

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

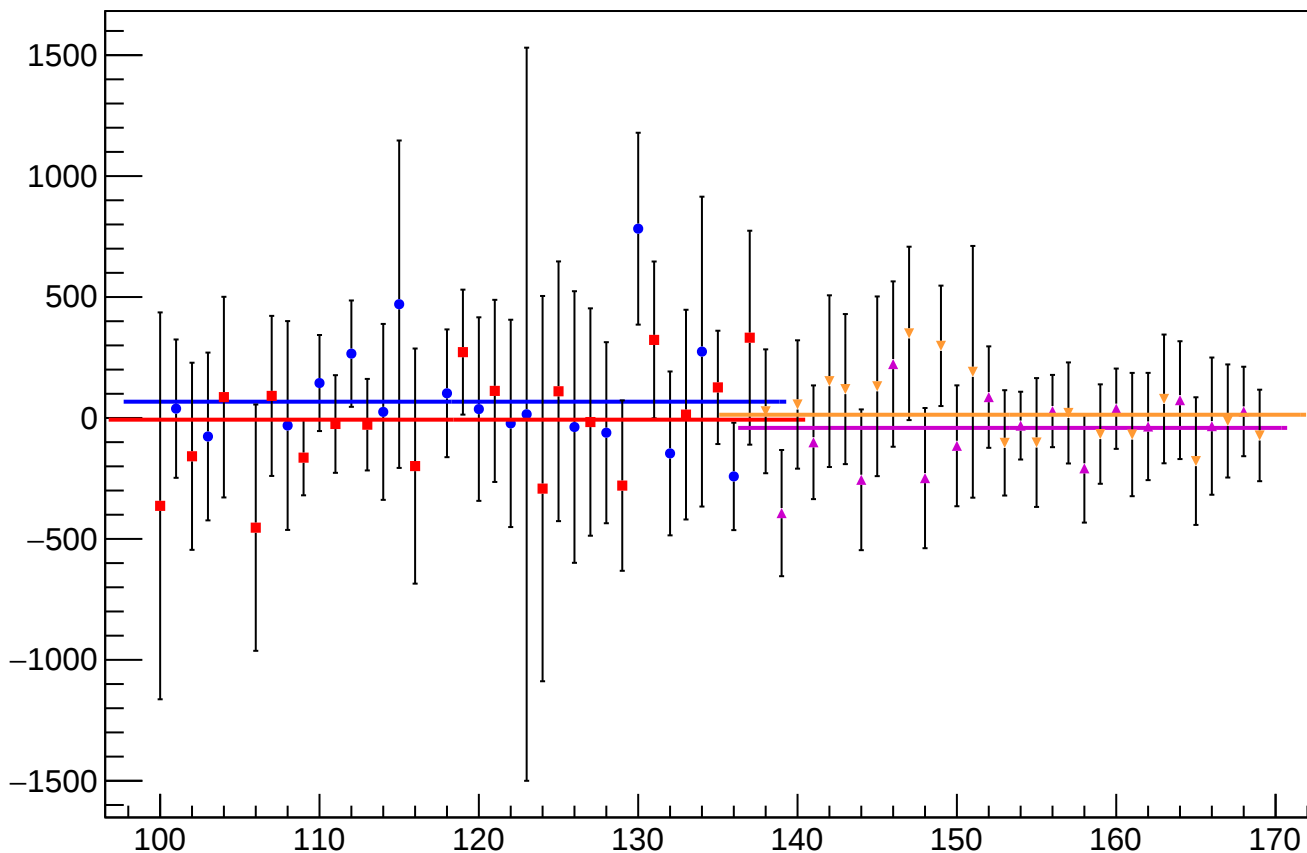
Left In: 11.538 $\pm$ 0.002 χ^2 /NDF: 126692.4/14

+ sign 11.441 $\pm$ 0.002 χ^2 /NDF: 257655.9/33

All: 11.436 $\pm$ 0.001 χ^2 /NDF: 537129.8/67

- sign 11.431 $\pm$ 0.002 χ^2 /NDF: 279458.9/33

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 13.371+/-62.680 χ^2/NDF : 4.2/16

Right Out: -7.039+/-70.212 χ^2/NDF : 6.4/18

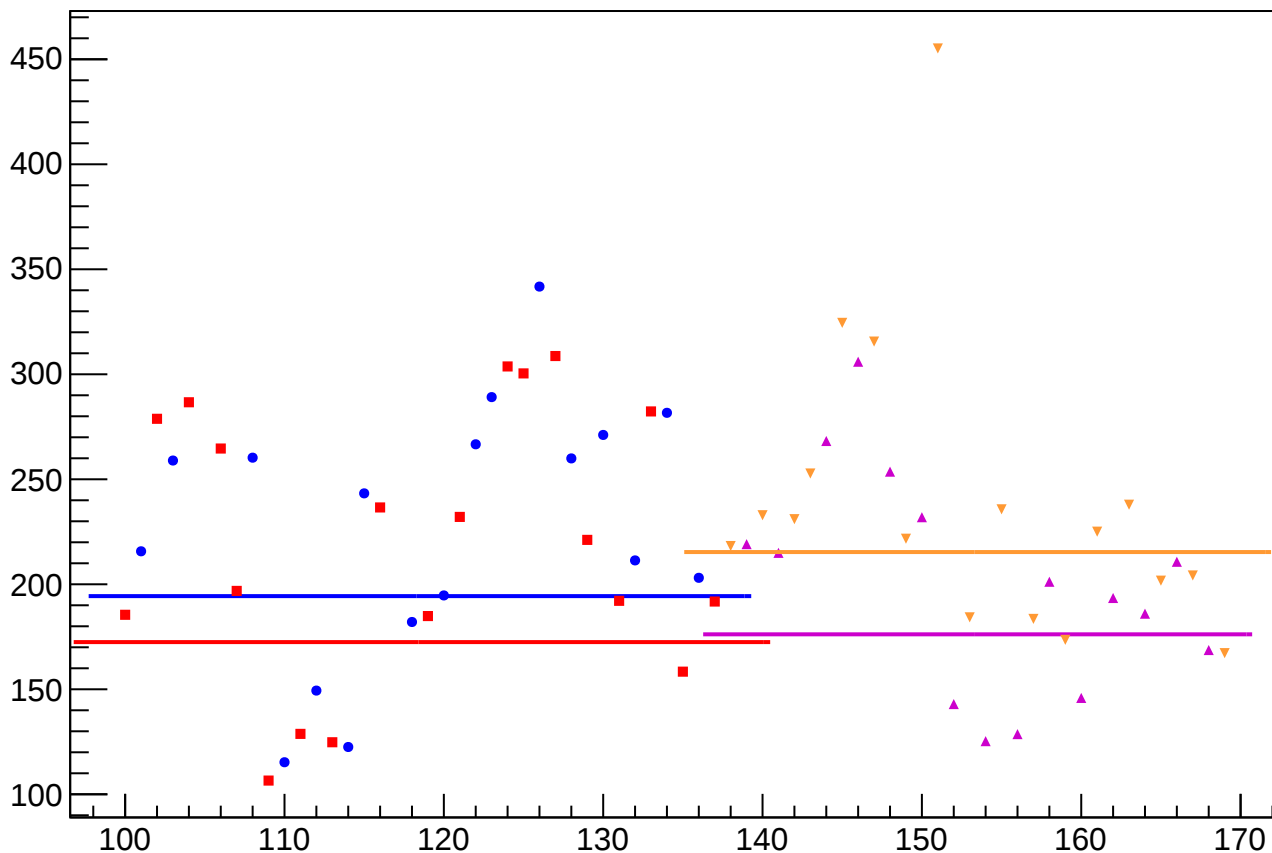
Left In: -41.039+/-54.672 χ^2/NDF : 5.4/14

+ sign 33.944+/-49.297 χ^2/NDF : 12.0/33

All: -1.254+/-32.463 χ^2/NDF : 24.8/67

- sign -28.205+/-43.137 χ^2/NDF : 11.9/33

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 215.350 $\pm$ 0.044 χ^2 /NDF: 1135312.8/16

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

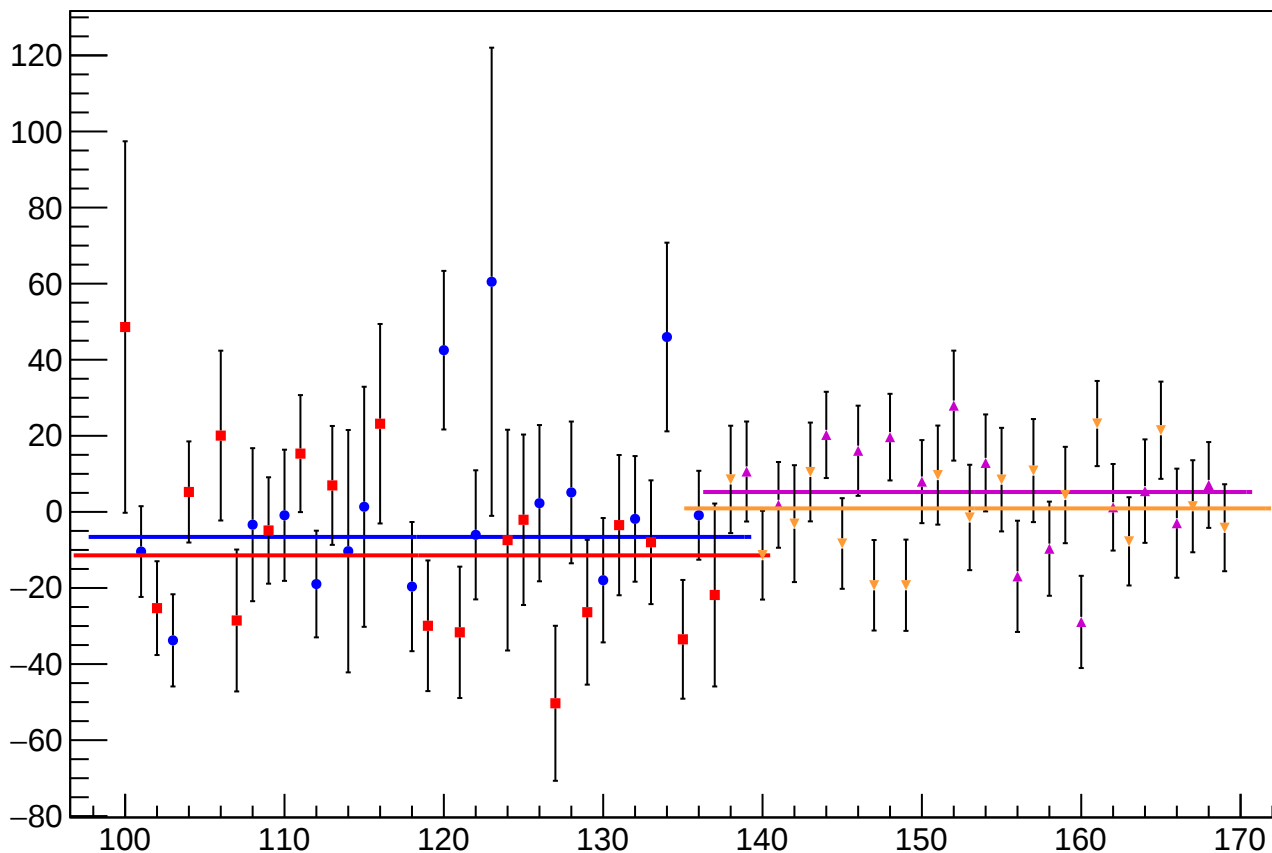
Left In: 176.171 $\pm$ 0.039 χ^2 /NDF: 1495695.0/14

+ sign 207.345 $\pm$ 0.035 χ^2 /NDF: 2226056.8/33

All: 188.899 $\pm$ 0.023 χ^2 /NDF: 5789315.8/67

- sign 174.775 $\pm$ 0.031 χ^2 /NDF: 3068800.4/33

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 ± 4.157 χ^2/NDF : 19.3/16

Left Out: 0.922 ± 3.046 χ^2/NDF : 17.1/16

Right Out: -11.423 ± 4.080 χ^2/NDF : 23.0/18

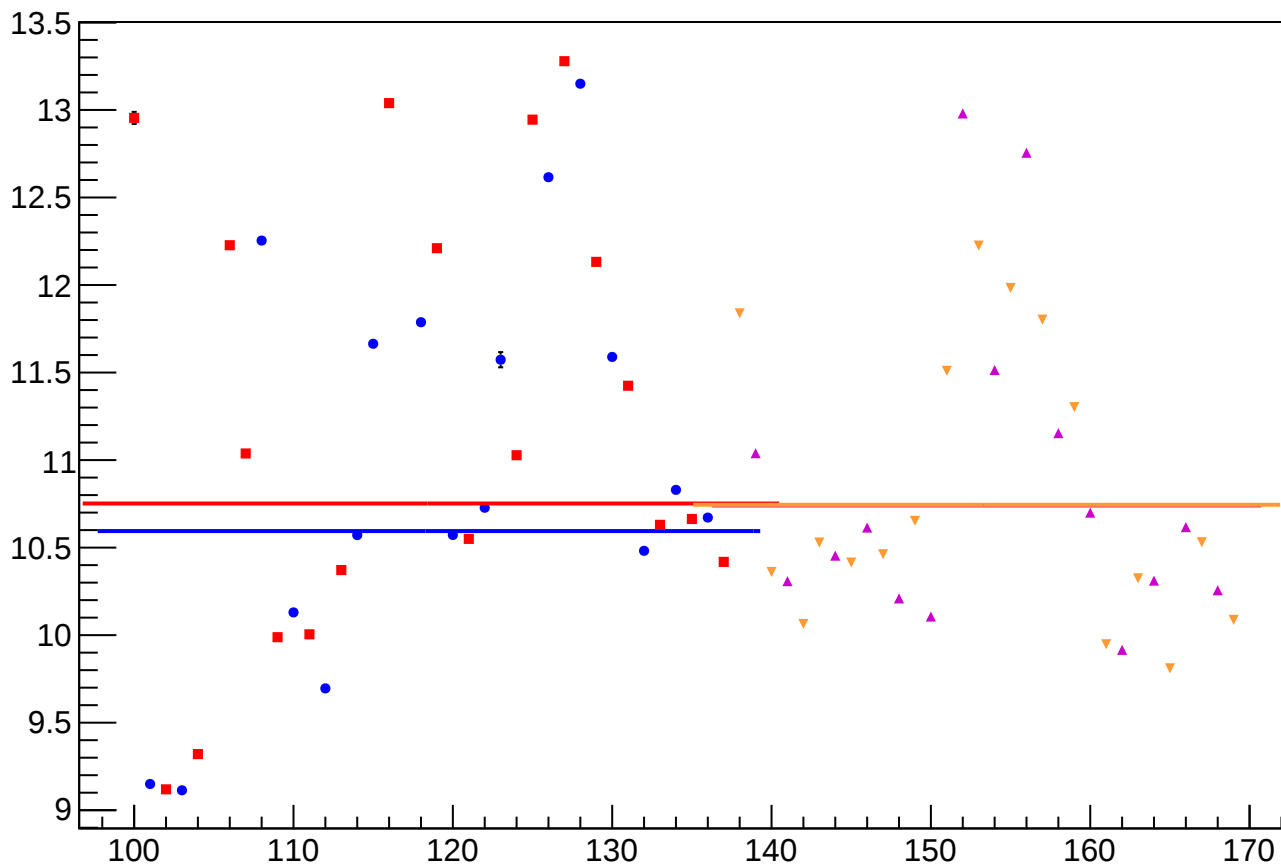
Left In: 5.228 ± 3.171 χ^2/NDF : 19.5/14

+ sign -1.697 ± 2.457 χ^2/NDF : 38.5/33

All: -1.376 ± 1.754 χ^2/NDF : 91.4/67

- sign -1.042 ± 2.503 χ^2/NDF : 52.9/33

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.745 $\pm$ 0.002 χ^2 /NDF:114468.2/16

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

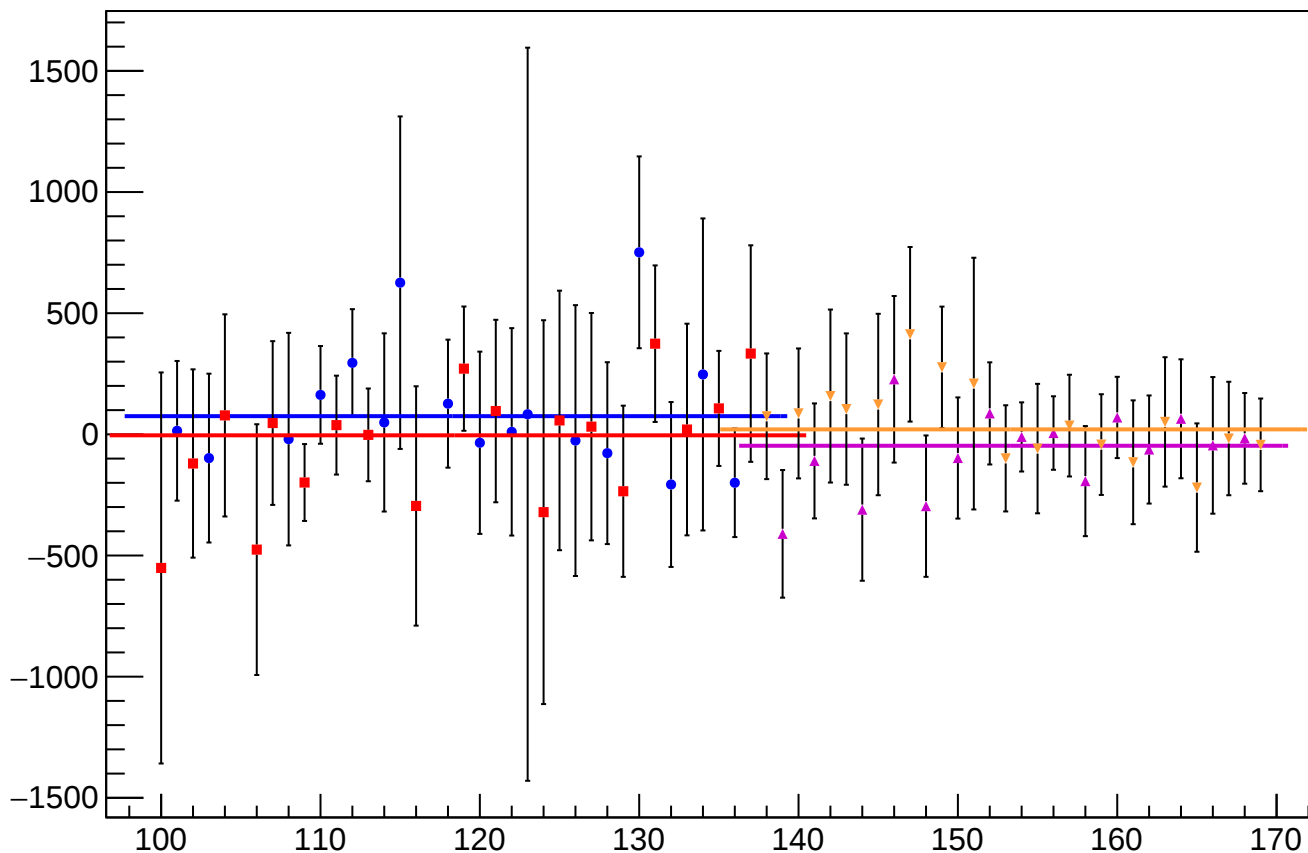
Left In: 10.741 $\pm$ 0.002 χ^2 /NDF:128510.4/14

+ sign 10.692 $\pm$ 0.002 χ^2 /NDF: 276227.5/33

All: 10.718 $\pm$ 0.001 χ^2 /NDF: 582373.3/67

- sign 10.745 $\pm$ 0.002 χ^2 /NDF: 305692.8/33

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086+/-80.352 χ^2/NDF : 7.7/16

Left Out: 20.514+/-63.093 χ^2/NDF : 4.5/16

Right Out: -3.999+/-70.883 χ^2/NDF : 7.3/18

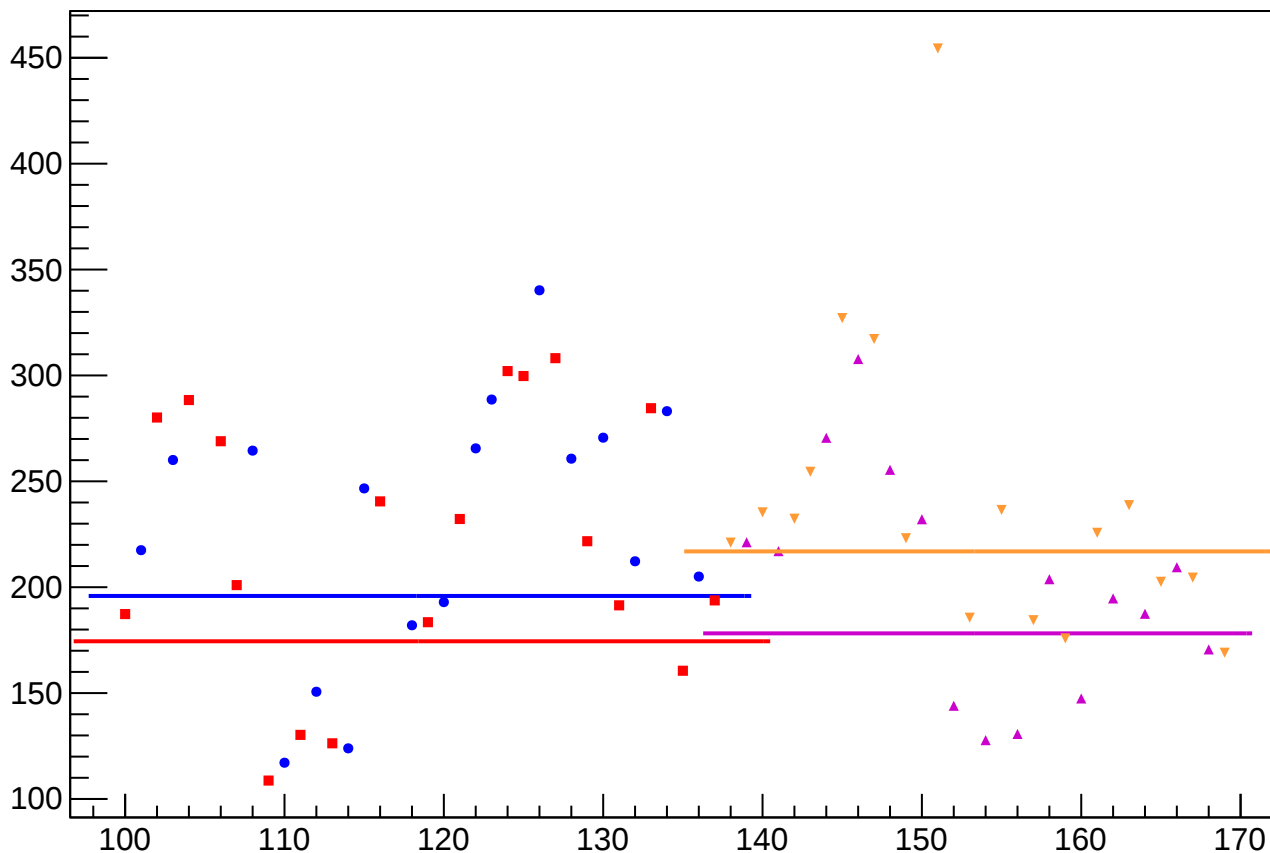
Left In: -47.050+/-55.226 χ^2/NDF : 5.9/14

+ sign 41.328+/-49.623 χ^2/NDF : 12.5/33

All: 0.600+/-32.739 χ^2/NDF : 27.1/67

- sign -30.788+/-43.565 χ^2/NDF : 13.5/33

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869+/-0.057 χ^2/NDF : 979247.4/16

Left Out: 216.907+/-0.045 χ^2/NDF :1120293.4/16

Right Out: 174.465+/-0.050 χ^2/NDF : 1528778.5/18

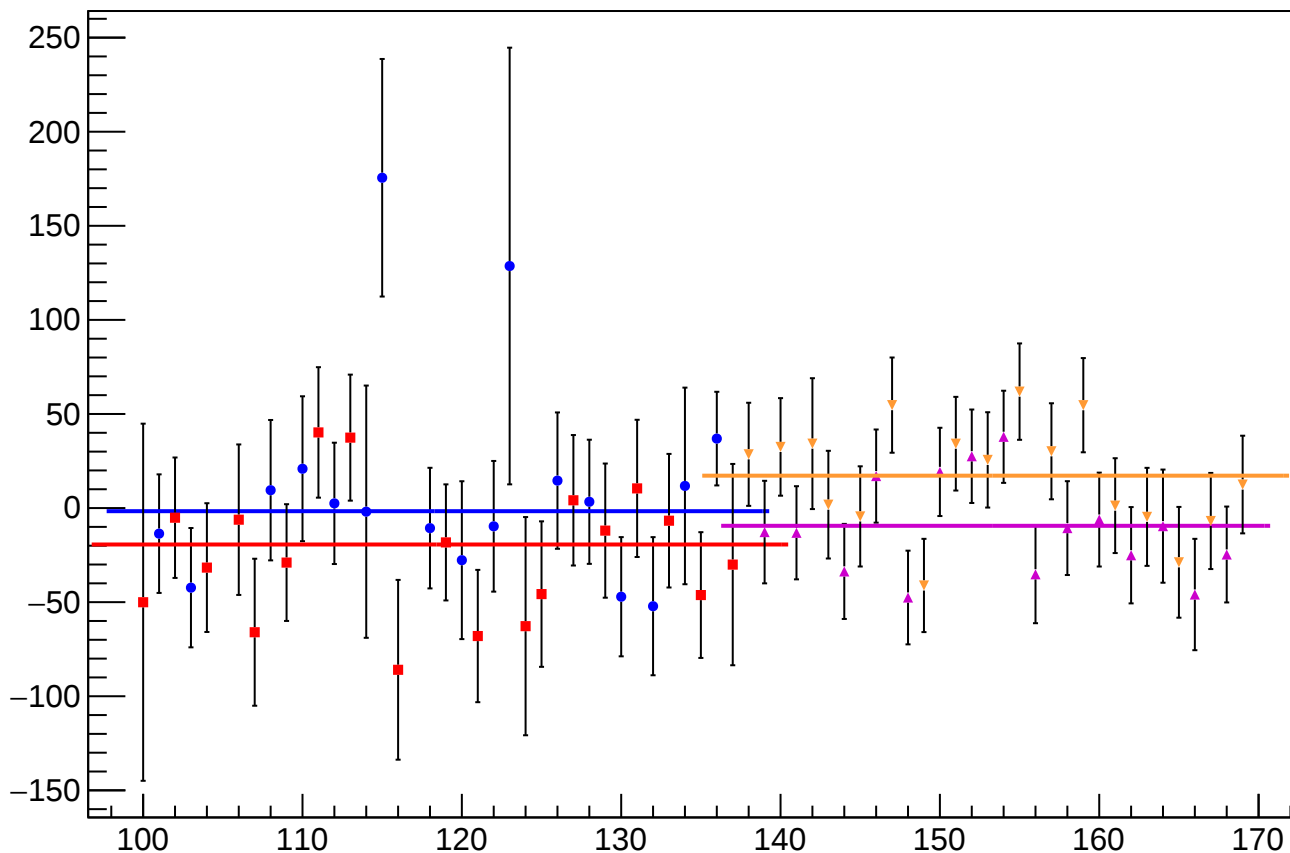
Left In: 178.206+/-0.039 χ^2/NDF :1454721.4/14

+ sign 208.883+/-0.035 χ^2/NDF : 2184355.7/33

All: 190.760+/-0.023 χ^2/NDF : 5643658.5/67

- sign 176.793+/-0.031 χ^2/NDF : 2986965.7/33

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 17.217 ± 6.386 χ^2/NDF : 20.0/16

Right Out: -19.357 ± 8.556 χ^2/NDF : 14.8/18

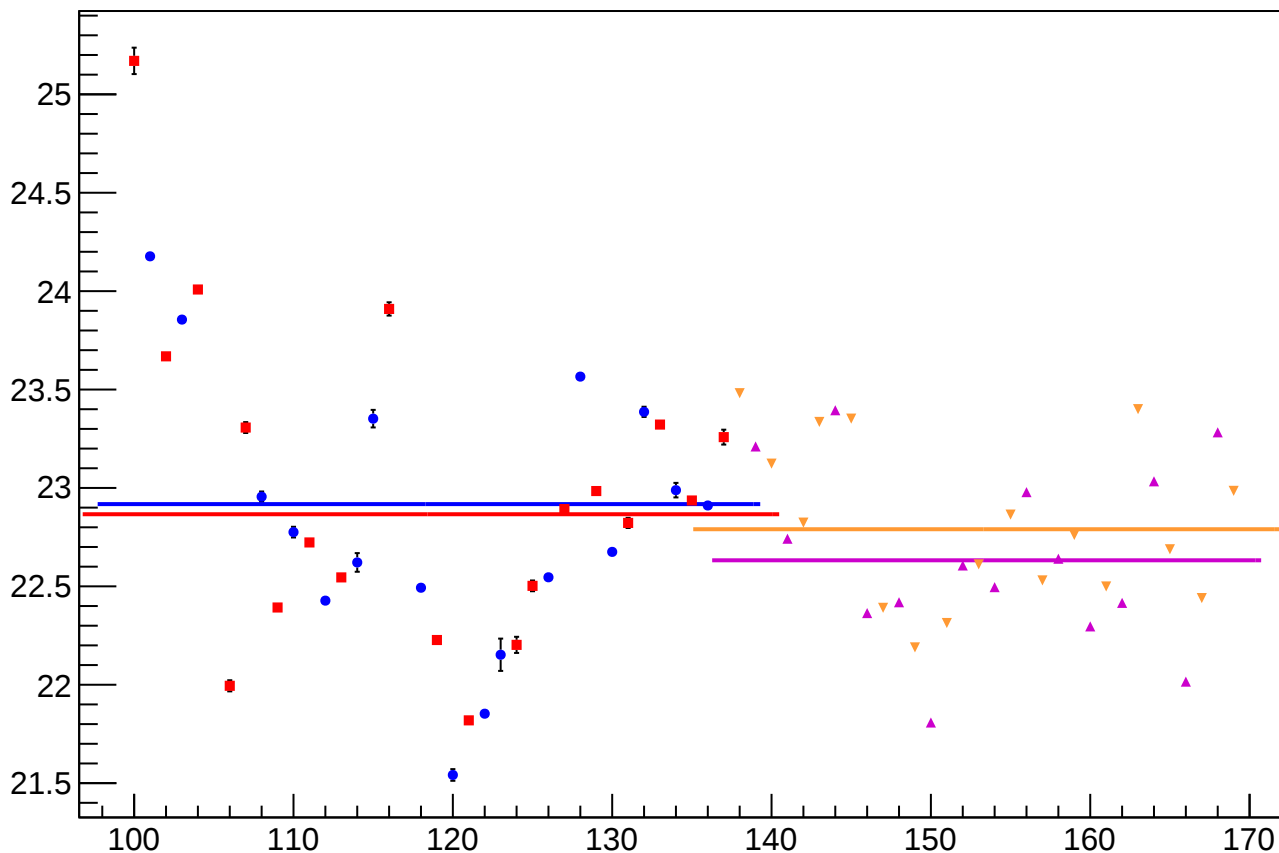
Left In: -9.426 ± 6.607 χ^2/NDF : 15.1/14

+ sign 10.785 ± 5.185 χ^2/NDF : 41.6/33

All: -1.074 ± 3.682 χ^2/NDF : 82.8/67

- sign -13.136 ± 5.229 χ^2/NDF : 30.7/33

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.790 $\pm$ 0.005 χ^2 /NDF: 7831.9/16

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

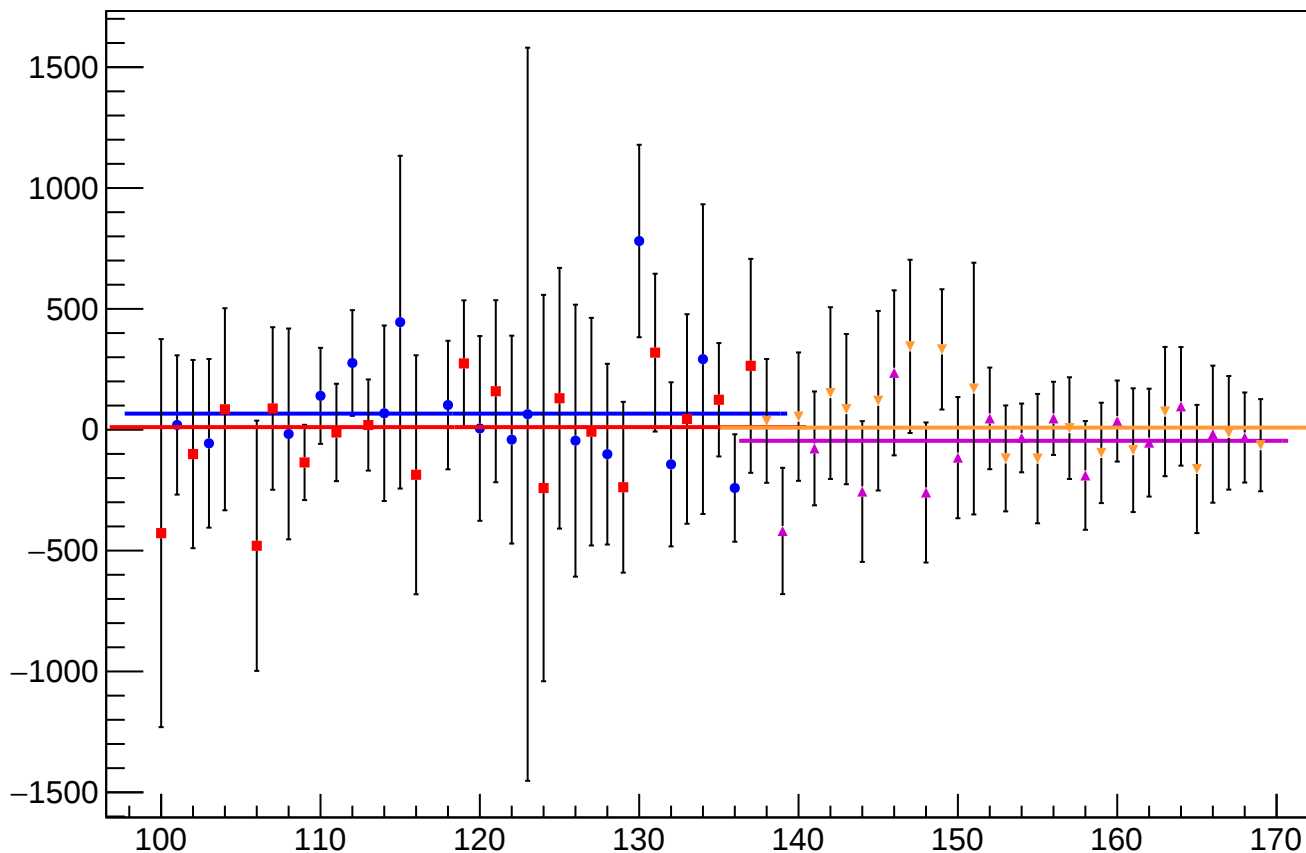
Left In: 22.632 $\pm$ 0.005 χ^2 /NDF: 9066.6/14

+ sign 22.834 $\pm$ 0.004 χ^2 /NDF: 19576.5/33

All: 22.777 $\pm$ 0.003 χ^2 /NDF: 41112.2/67

- sign 22.720 $\pm$ 0.004 χ^2 /NDF: 21056.7/33

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 8.795 $\pm$ 62.962 χ^2 /NDF: 4.6/16

Right Out: 10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

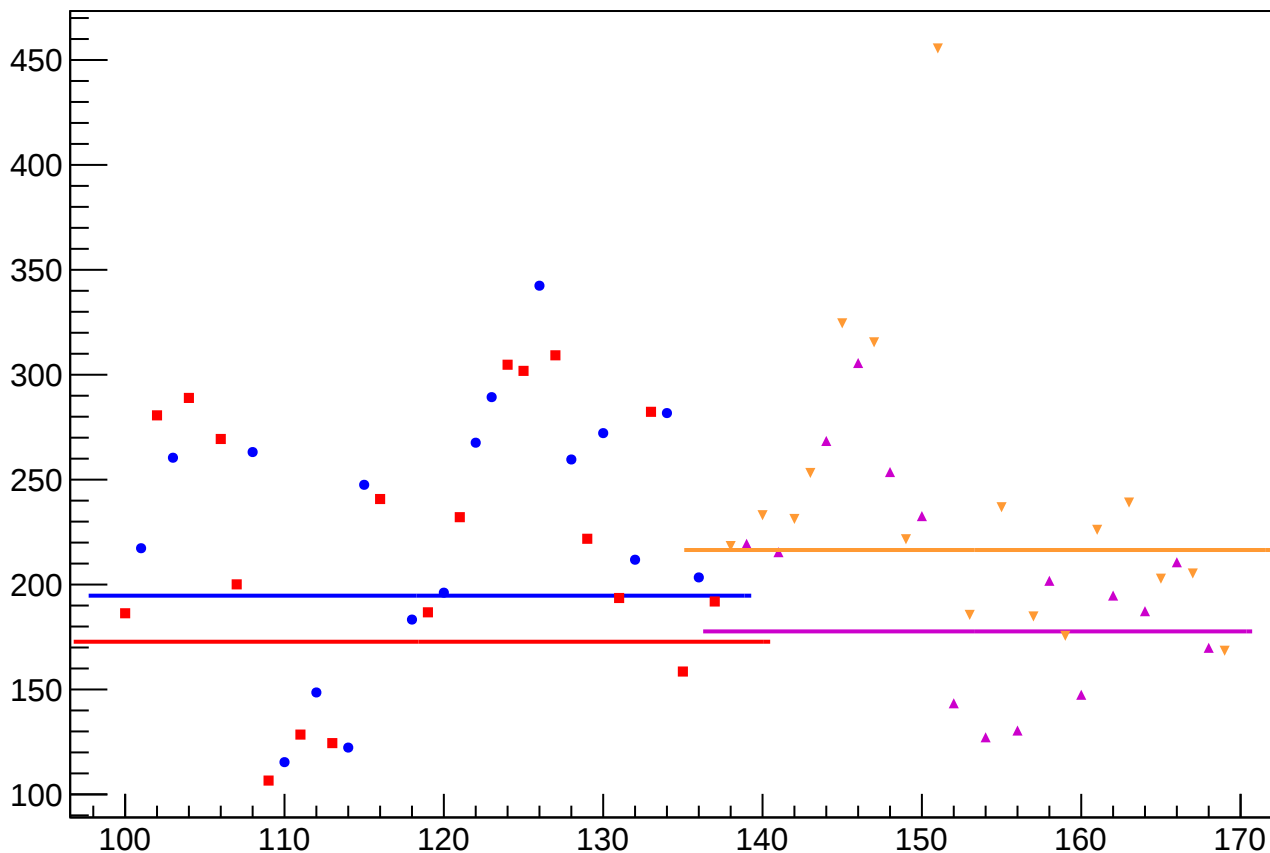
Left In: -45.720 $\pm$ 55.061 χ^2 /NDF: 5.4/14

+ sign 30.945 $\pm$ 49.476 χ^2 /NDF: 12.5/33

All: -0.260 $\pm$ 32.613 χ^2 /NDF: 24.7/67

- sign -24.237 $\pm$ 43.368 χ^2 /NDF: 11.5/33

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 216.469 $\pm$ 0.045 χ^2 /NDF:1111553.9/16

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

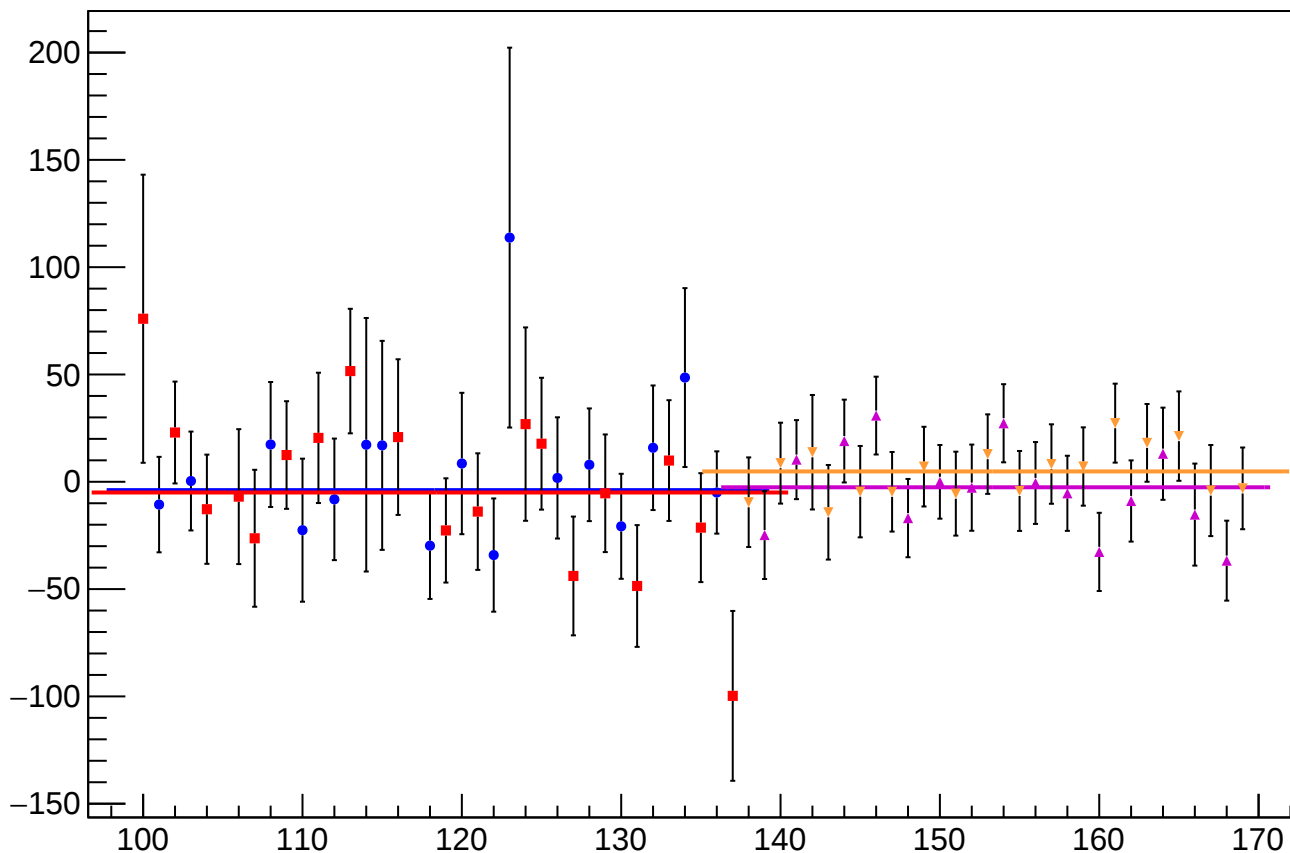
Left In: 177.673 $\pm$ 0.039 χ^2 /NDF:1444049.6/14

+ sign 208.143 $\pm$ 0.035 χ^2 /NDF: 2222857.8/33

All: 189.856 $\pm$ 0.023 χ^2 /NDF: 5753084.9/67

- sign 175.805 $\pm$ 0.031 χ^2 /NDF: 3047055.6/33

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 $\pm$ 6.915 χ^2/NDF : 8.4/16

Left Out: 4.826 $\pm$ 4.757 χ^2/NDF : 5.6/16

Right Out: -4.985 $\pm$ 6.727 χ^2/NDF : 21.3/18

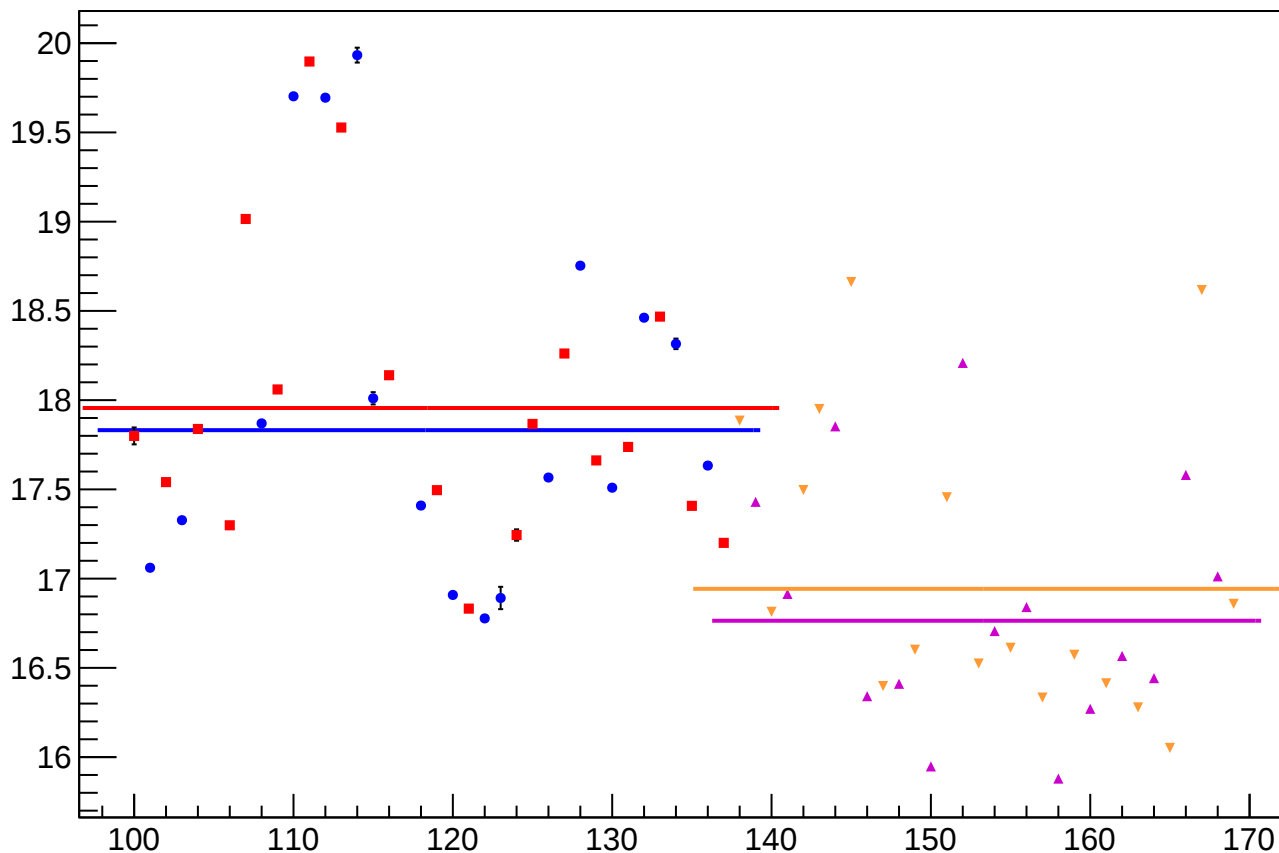
Left In: -2.559 $\pm$ 4.903 χ^2/NDF : 16.7/14

+ sign 2.025 $\pm$ 3.919 χ^2/NDF : 15.1/33

All: -0.658 $\pm$ 2.786 χ^2/NDF : 54.2/67

- sign -3.401 $\pm$ 3.962 χ^2/NDF : 38.1/33

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 16.943 $\pm$ 0.003 χ^2 /NDF:51143.2/16

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

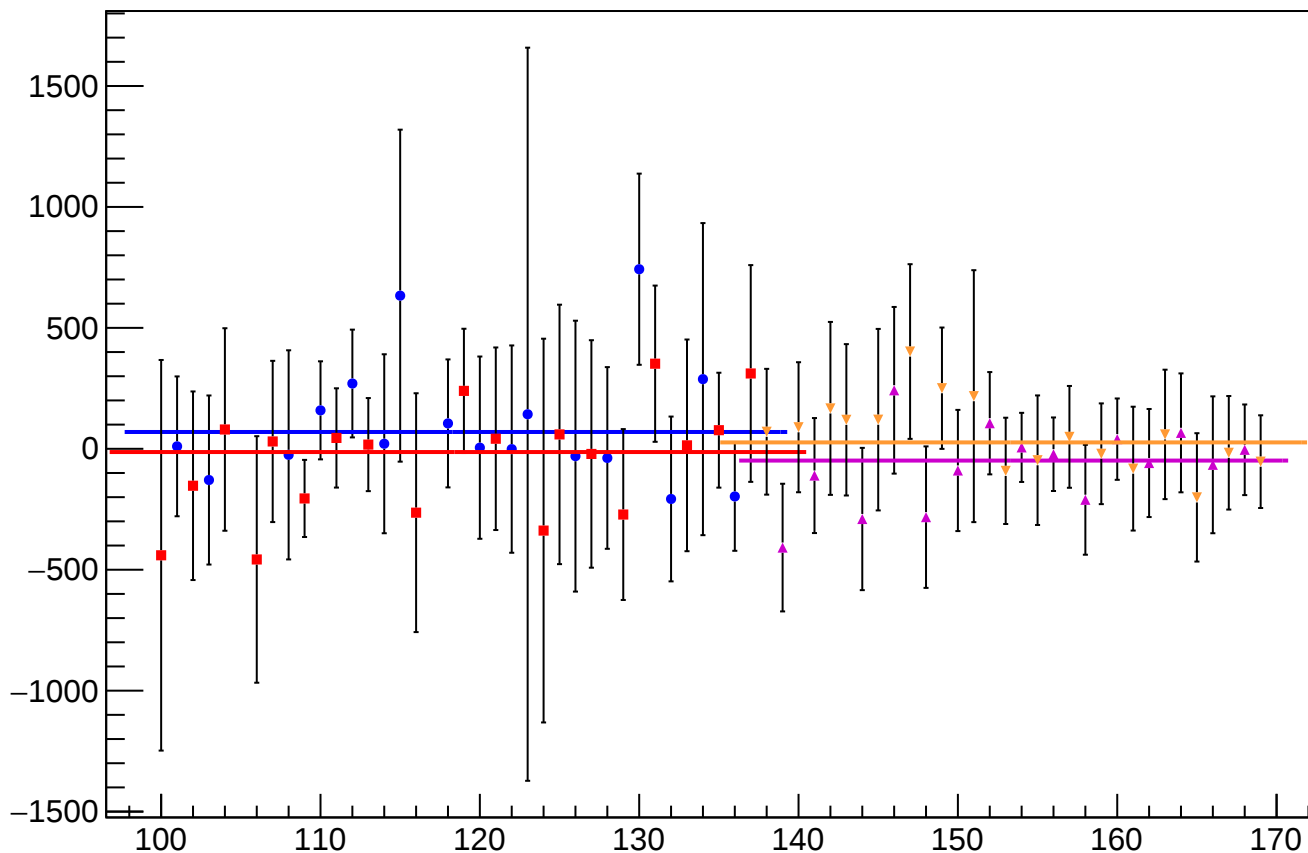
Left In: 16.764 $\pm$ 0.003 χ^2 /NDF:35341.3/14

+ sign 17.228 $\pm$ 0.003 χ^2 /NDF: 104442.5/33

All: 17.203 $\pm$ 0.002 χ^2 /NDF: 206403.3/67

- sign 17.178 $\pm$ 0.003 χ^2 /NDF: 101795.2/33

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511 ± 80.550 χ^2/NDF : 7.4/16

Left Out: 26.411 ± 63.234 χ^2/NDF : 4.0/16

Right Out: -13.410 ± 71.041 χ^2/NDF : 6.7/18

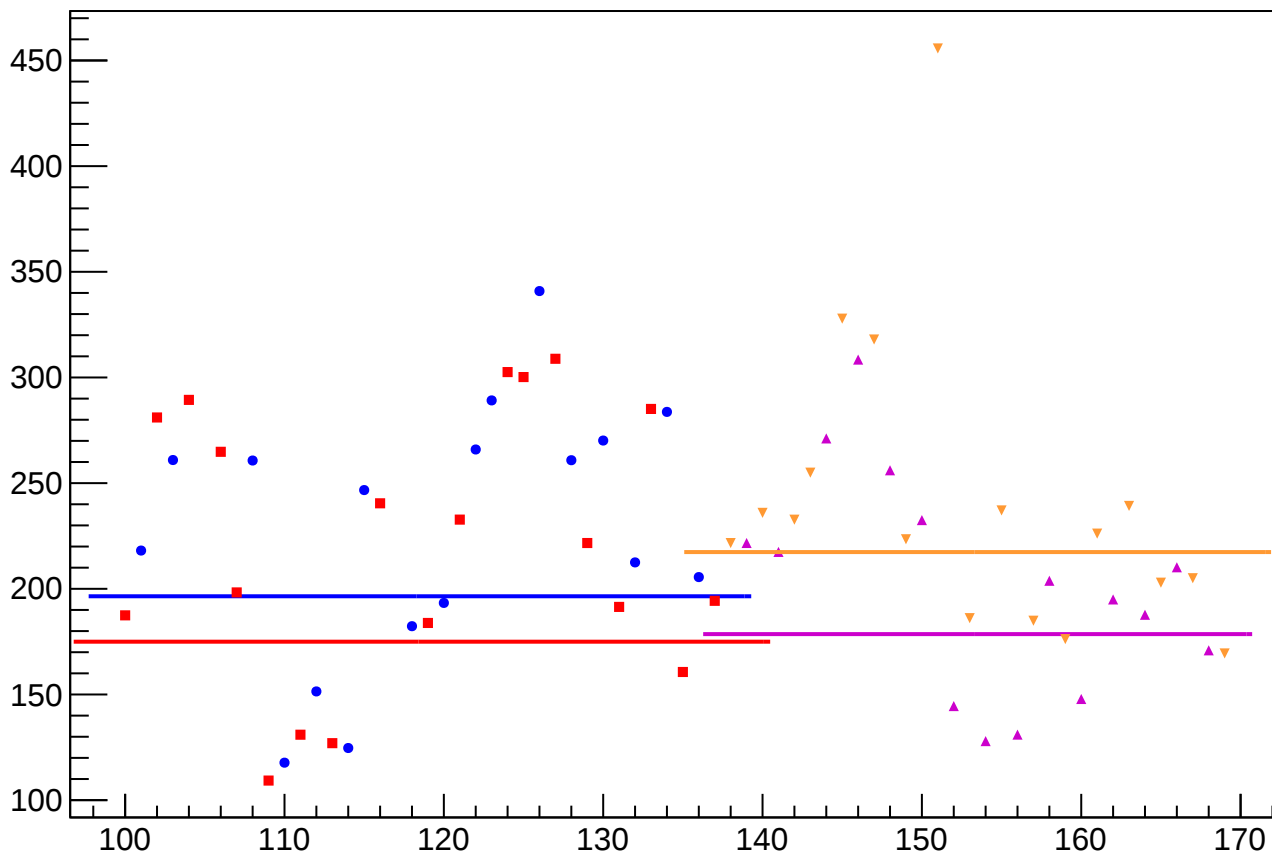
Left In: -48.677 ± 55.338 χ^2/NDF : 5.8/14

+ sign 42.844 ± 49.739 χ^2/NDF : 11.5/33

All: -1.329 ± 32.810 χ^2/NDF : 25.5/67

- sign -35.359 ± 43.656 χ^2/NDF : 12.6/33

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 217.388 $\pm$ 0.045 χ^2 /NDF:1120467.9/16

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

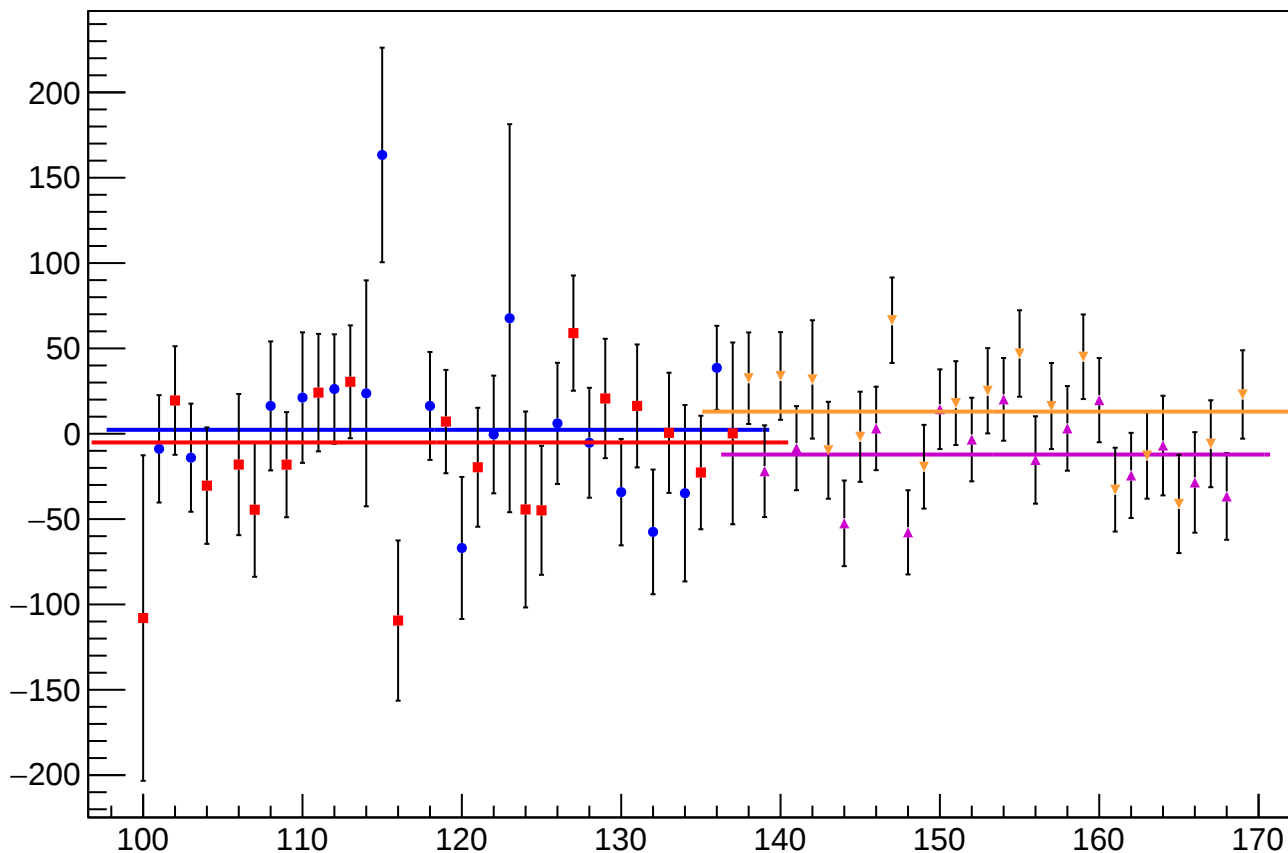
Left In: 178.566 $\pm$ 0.039 χ^2 /NDF:1454478.5/14

+ sign 209.412 $\pm$ 0.035 χ^2 /NDF: 2168197.6/33

All: 191.224 $\pm$ 0.023 χ^2 /NDF: 5610412.4/67

- sign 177.212 $\pm$ 0.031 χ^2 /NDF: 2968750.8/33

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 12.978 ± 6.305 $\chi^2/\text{NDF}: 21.3/16$

Right Out: -5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

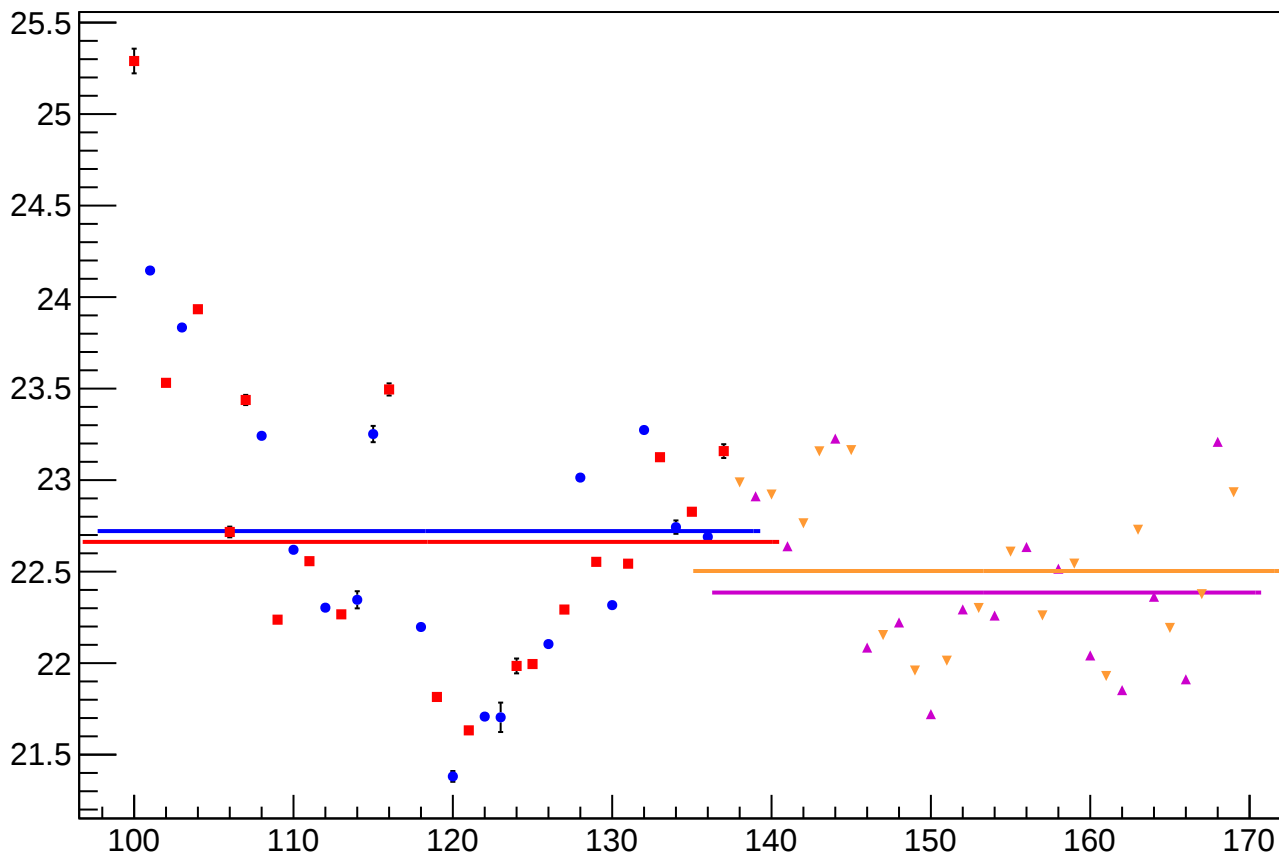
Left In: -12.182 ± 6.534 $\chi^2/\text{NDF}: 13.3/14$

+ sign 9.361 ± 5.126 $\chi^2/\text{NDF}: 40.3/33$

All: 0.002 ± 3.642 $\chi^2/\text{NDF}: 78.0/67$

- sign -9.540 ± 5.176 $\chi^2/\text{NDF}: 30.9/33$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722 $\pm$ 0.006 χ^2/NDF : 13580.6/16

Left Out: 22.503 $\pm$ 0.004 χ^2/NDF : 8218.2/16

Right Out: 22.662 $\pm$ 0.006 χ^2/NDF : 12955.6/18

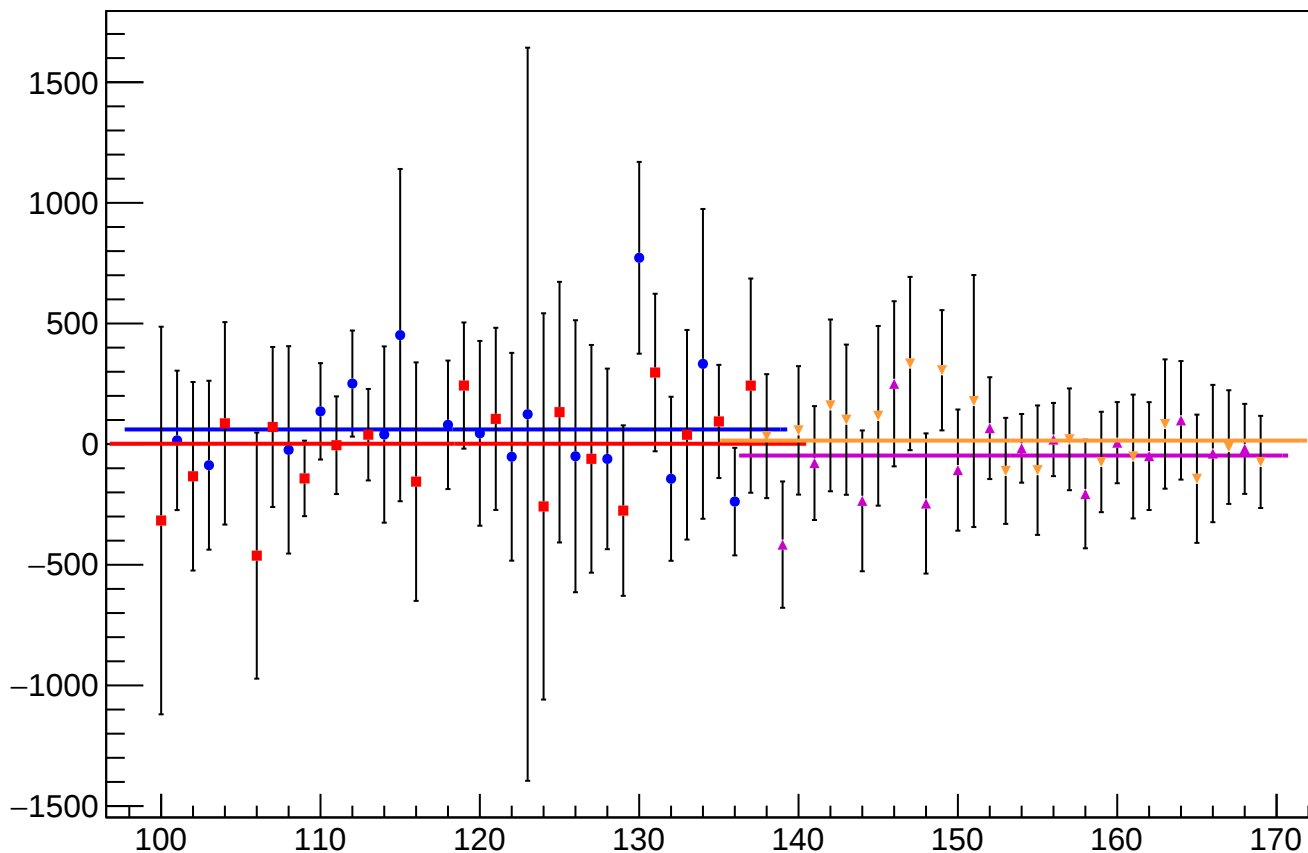
Left In: 22.386 $\pm$ 0.005 χ^2/NDF : 9484.9/14

+ sign 22.577 $\pm$ 0.004 χ^2/NDF : 22609.7/33

All: 22.533 $\pm$ 0.003 χ^2/NDF : 46683.7/67

- sign 22.489 $\pm$ 0.004 χ^2/NDF : 23778.0/33

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 14.762 $\pm$ 63.102 χ^2 /NDF: 4.0/16

Right Out: 1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

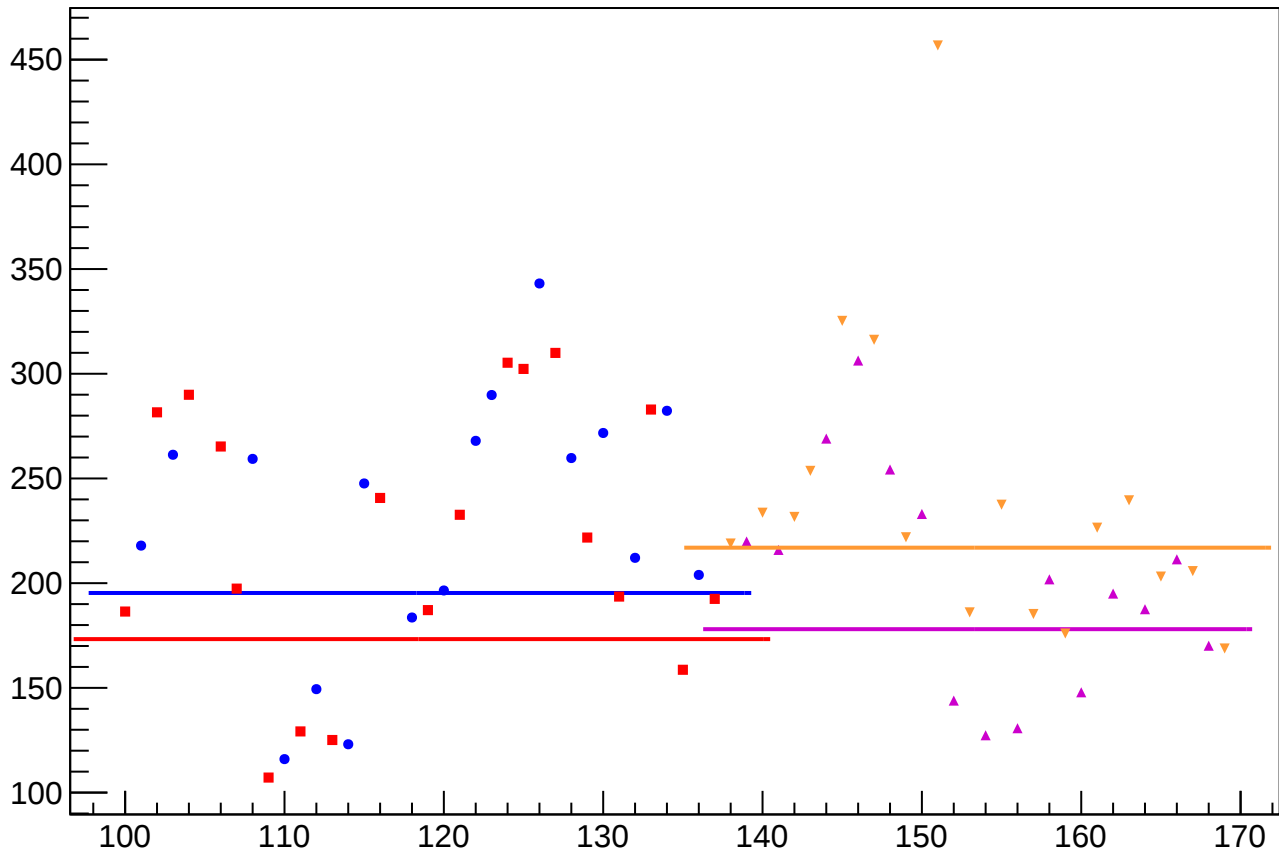
Left In: -47.276 $\pm$ 55.172 χ^2 /NDF: 5.2/14

+ sign 32.428 $\pm$ 49.591 χ^2 /NDF: 11.5/33

All: -2.152 $\pm$ 32.685 χ^2 /NDF: 23.0/67

- sign -28.710 $\pm$ 43.460 χ^2 /NDF: 10.7/33

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 216.949 $\pm$ 0.045 χ^2 /NDF:1111742.5/16

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

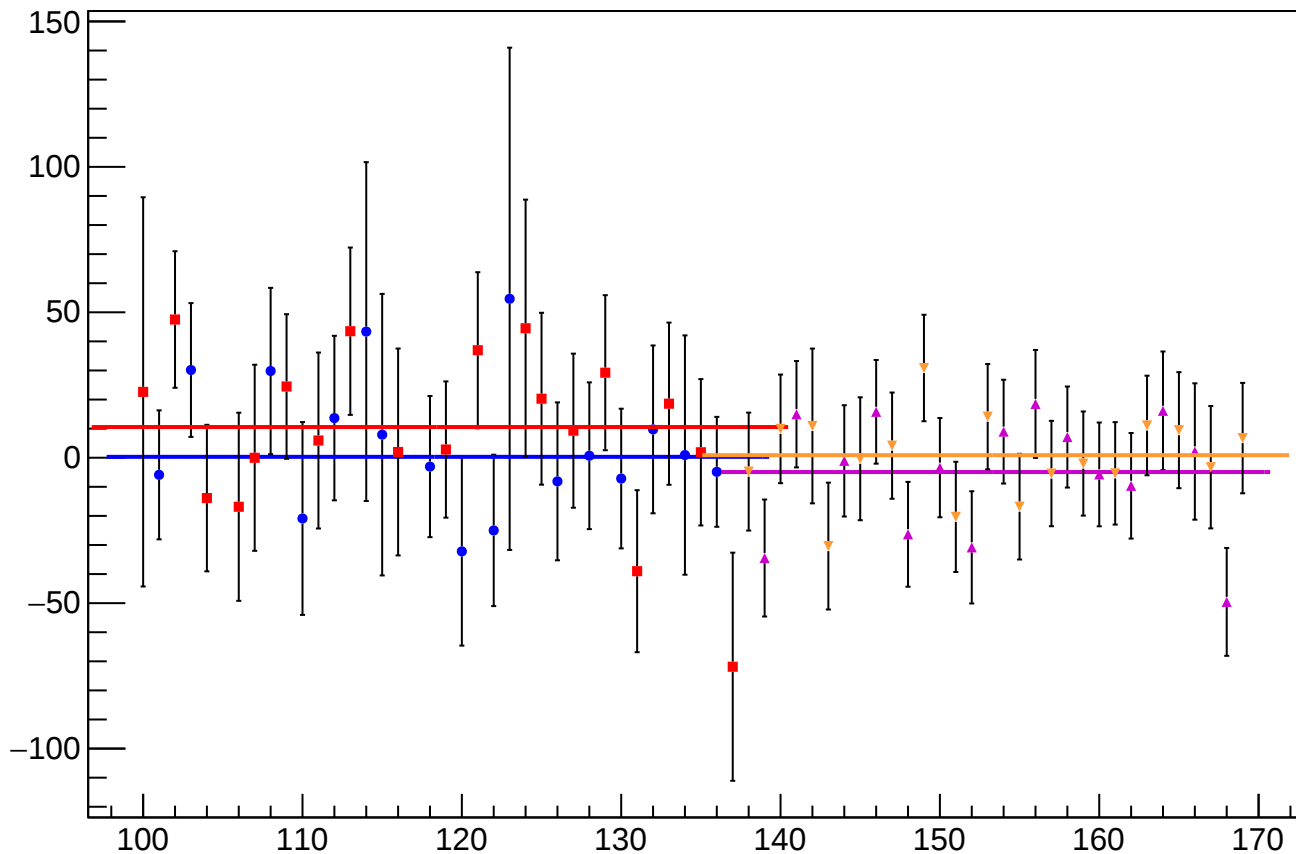
Left In: 178.031 $\pm$ 0.039 χ^2 /NDF:1443901.7/14

+ sign 208.677 $\pm$ 0.035 χ^2 /NDF: 2205835.6/33

All: 190.325 $\pm$ 0.023 χ^2 /NDF: 5717981.2/67

- sign 176.230 $\pm$ 0.031 χ^2 /NDF: 3027901.5/33

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: 0.875 ± 4.649 χ^2/NDF : 8.9/16

Right Out: 10.553 ± 6.628 χ^2/NDF : 16.0/18

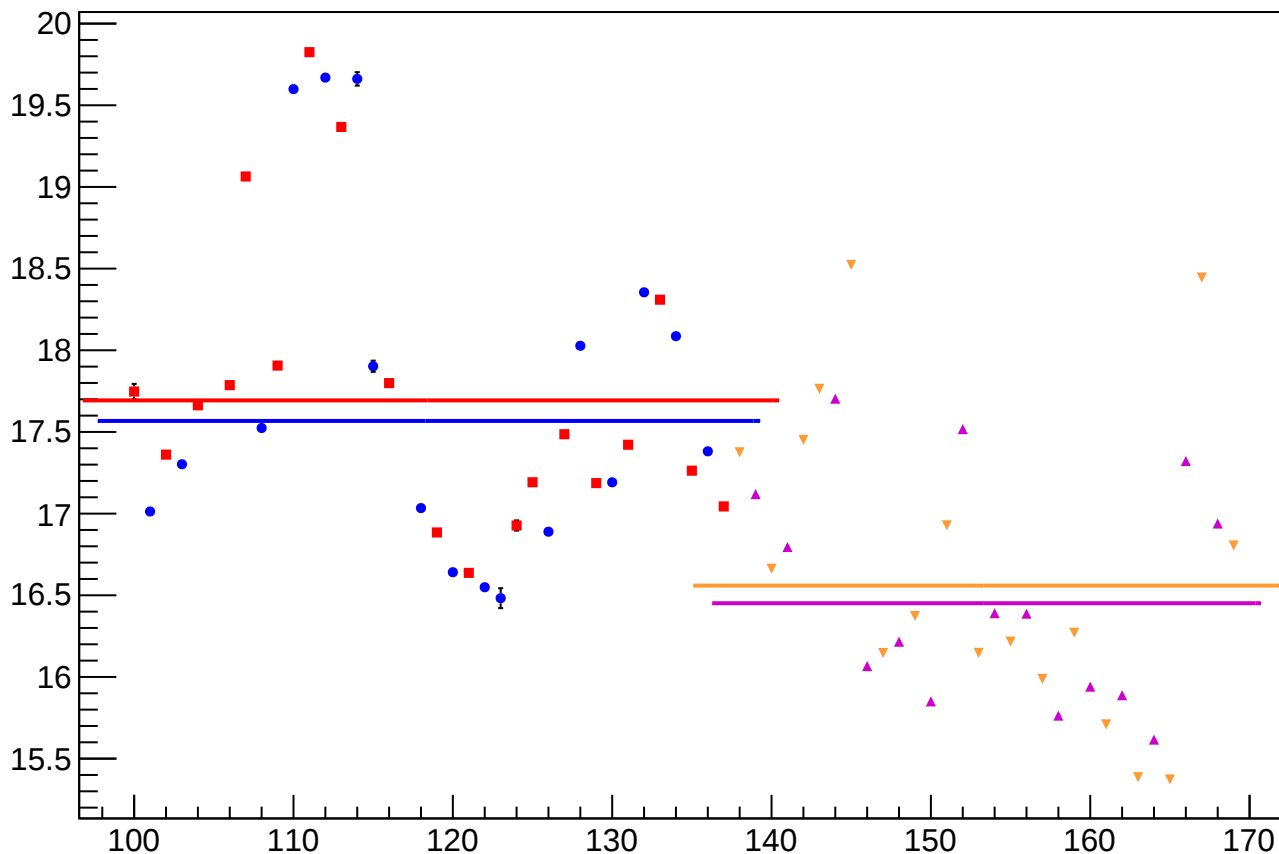
Left In: -4.922 ± 4.810 χ^2/NDF : 17.7/14

+ sign 0.694 ± 3.840 χ^2/NDF : 15.7/33

All: 0.558 ± 2.734 χ^2/NDF : 53.0/67

- sign 0.417 ± 3.893 χ^2/NDF : 37.3/33

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.559 $\pm$ 0.003 χ^2 /NDF: 72713.2/16

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

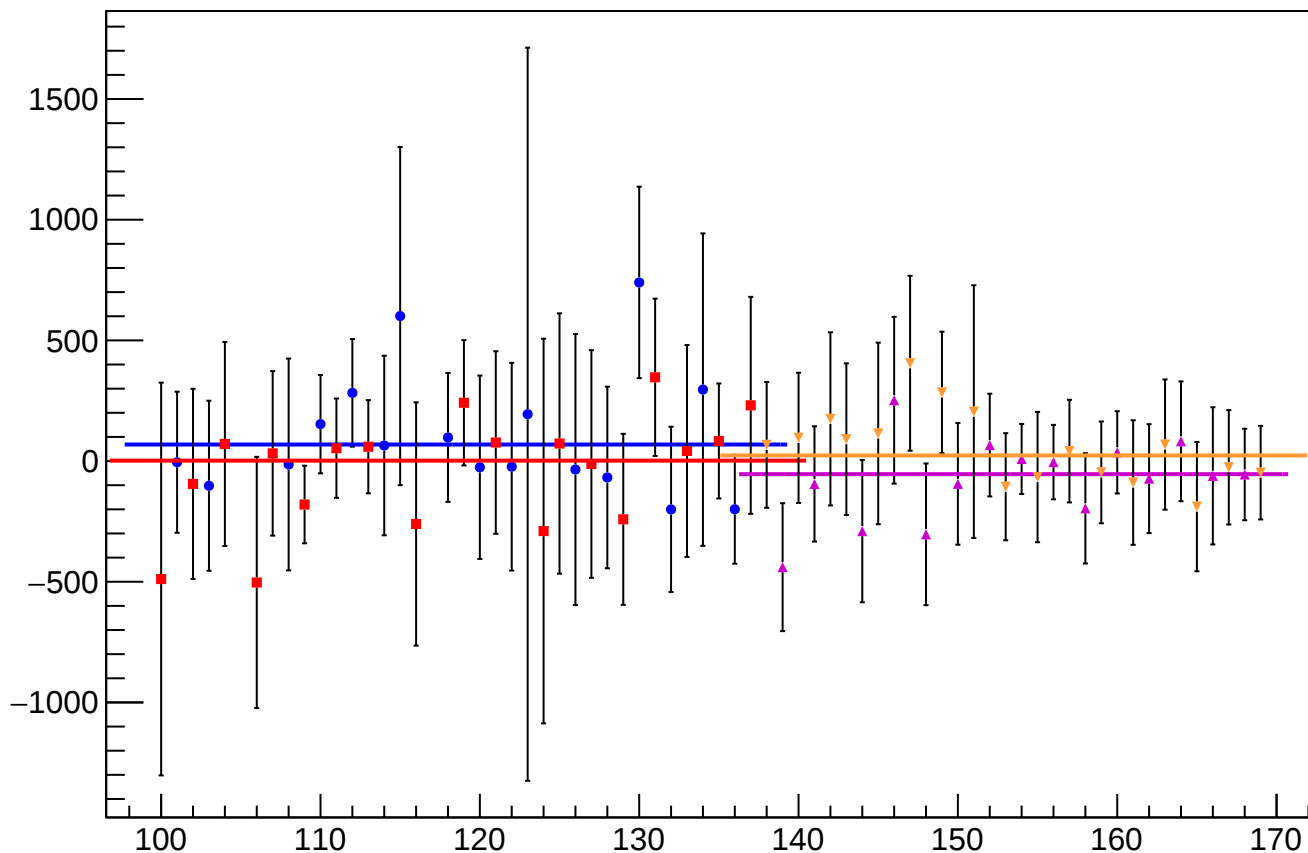
Left In: 16.451 $\pm$ 0.003 χ^2 /NDF: 35595.2/14

+ sign 16.880 $\pm$ 0.003 χ^2 /NDF: 135740.8/33

All: 16.880 $\pm$ 0.002 χ^2 /NDF: 248092.5/67

- sign 16.880 $\pm$ 0.003 χ^2 /NDF: 112351.7/33

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 23.344 $\pm$ 63.723 χ^2 /NDF: 4.3/16

Right Out: 1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

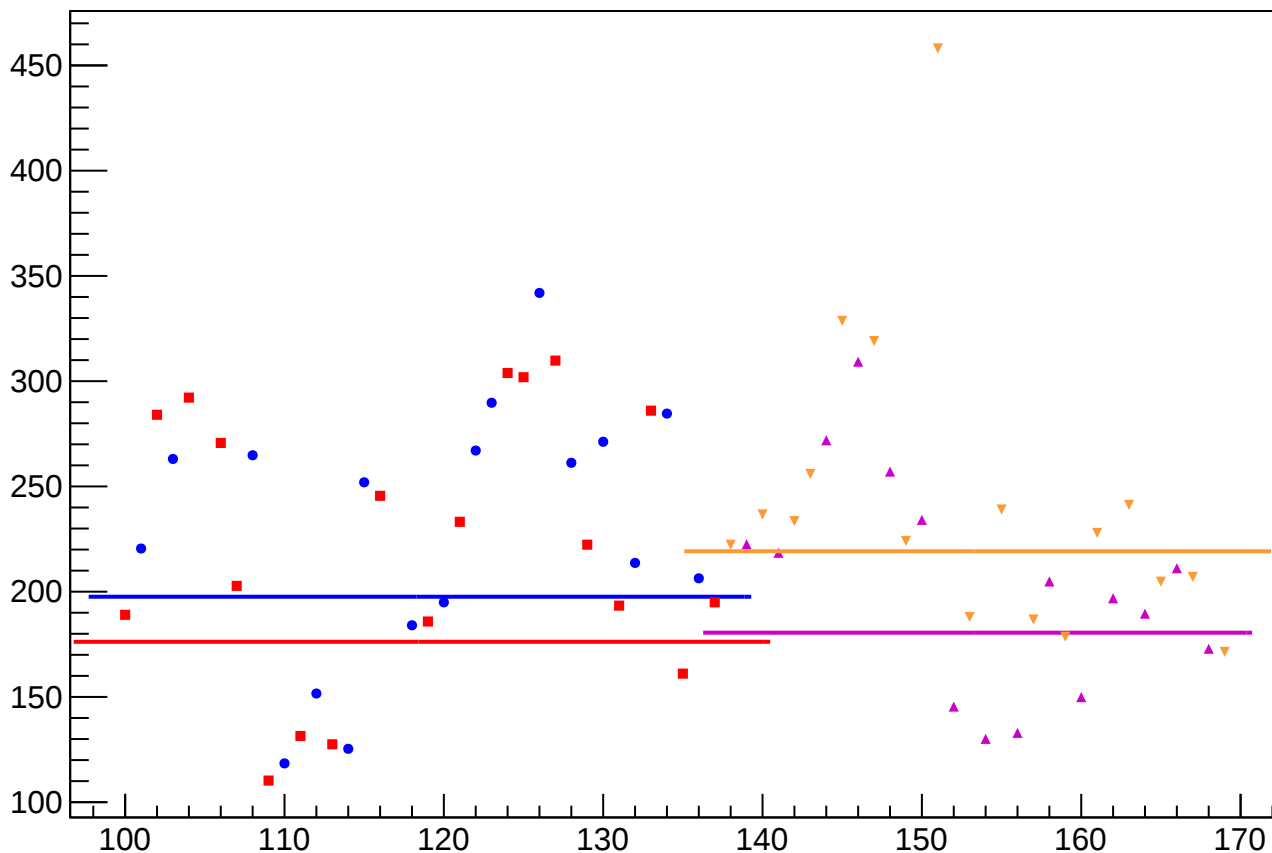
Left In: -54.268 $\pm$ 55.880 χ^2 /NDF: 5.9/14

+ sign 40.623 $\pm$ 50.087 χ^2 /NDF: 11.8/33

All: -0.907 $\pm$ 33.072 χ^2 /NDF: 25.4/67

- sign -33.010 $\pm$ 44.037 χ^2 /NDF: 12.4/33

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 219.213 $\pm$ 0.045 χ^2 /NDF: 1096906.2/16

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

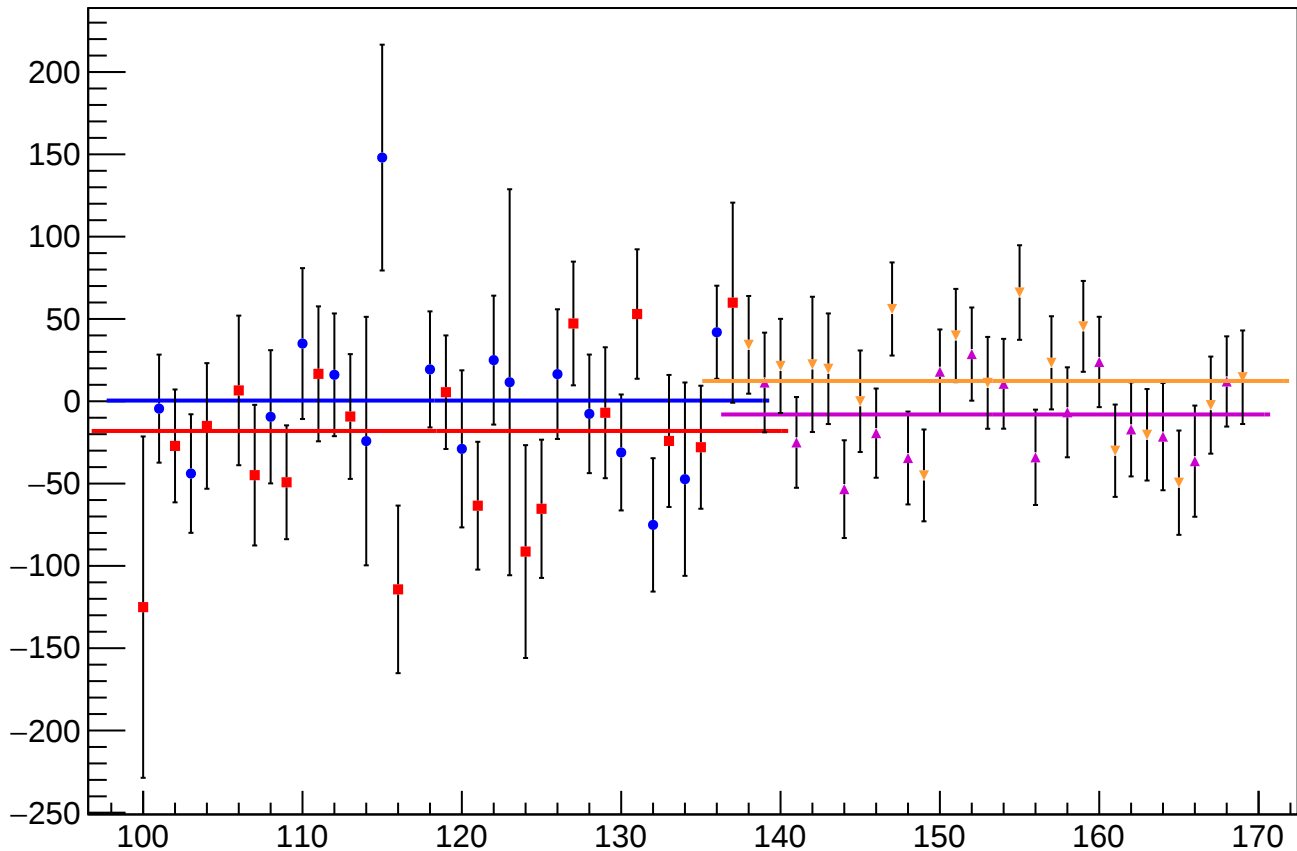
Left In: 180.527 $\pm$ 0.040 χ^2 /NDF: 1409996.2/14

+ sign 210.954 $\pm$ 0.035 χ^2 /NDF: 2153637.8/33

All: 192.868 $\pm$ 0.023 χ^2 /NDF: 5550352.8/67

- sign 178.888 $\pm$ 0.031 χ^2 /NDF: 2934369.6/33

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 12.337 ± 7.129 χ^2/NDF : 21.3/16

Right Out: -18.044 ± 9.499 χ^2/NDF : 19.5/18

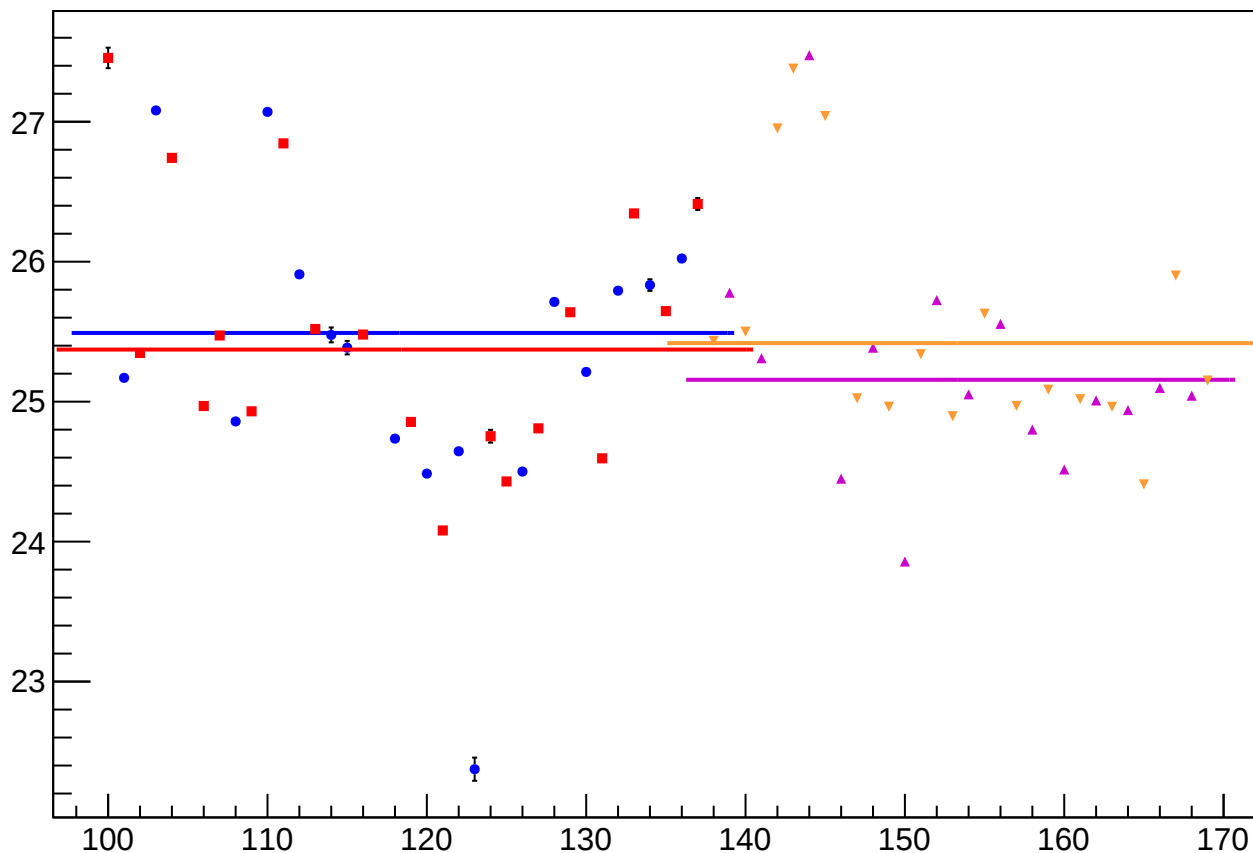
Left In: -8.017 ± 7.351 χ^2/NDF : 11.0/14

+ sign 8.262 ± 5.782 χ^2/NDF : 37.7/33

All: -1.701 ± 4.100 χ^2/NDF : 74.9/67

- sign -11.773 ± 5.814 χ^2/NDF : 31.2/33

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.418 $\pm$ 0.005 χ^2 /NDF:21375.1/16

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

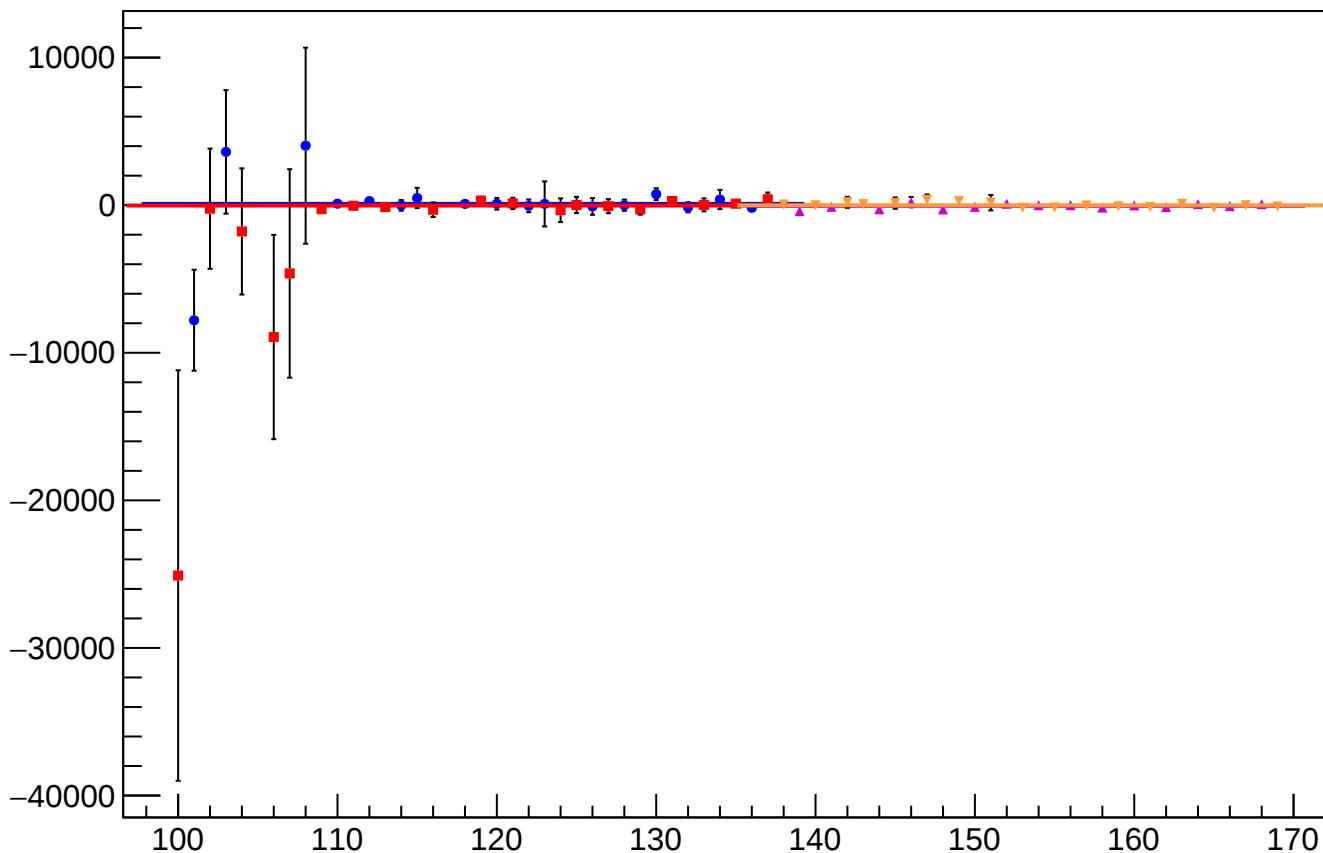
Left In: 25.156 $\pm$ 0.005 χ^2 /NDF:22546.6/14

+ sign 25.443 $\pm$ 0.004 χ^2 /NDF: 35159.2/33

All: 25.341 $\pm$ 0.003 χ^2 /NDF: 73163.4/67

- sign 25.237 $\pm$ 0.004 χ^2 /NDF: 36743.2/33

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: -10.061+/-64.132 χ^2/NDF : 4.7/16

Right Out: -23.352+/-80.948 χ^2/NDF : 11.9/18

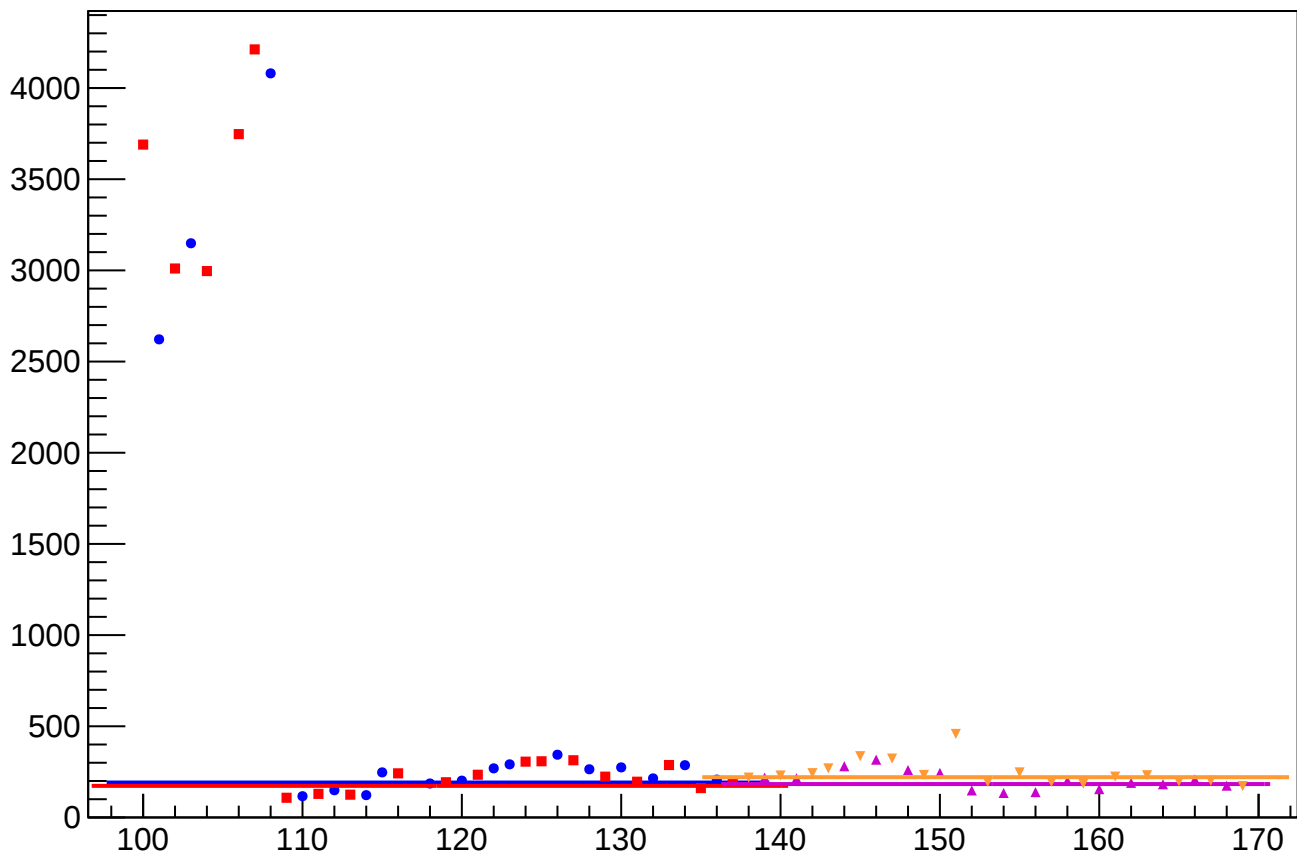
Left In: -47.993+/-56.541 χ^2/NDF : 5.5/14

+ sign 23.244+/-51.915 χ^2/NDF : 17.9/33

All: -11.898+/-34.576 χ^2/NDF : 36.2/67

- sign -39.913+/-46.353 χ^2/NDF : 17.4/33

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 220.747+/-0.045 χ^2/NDF : 1094656.2/16

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

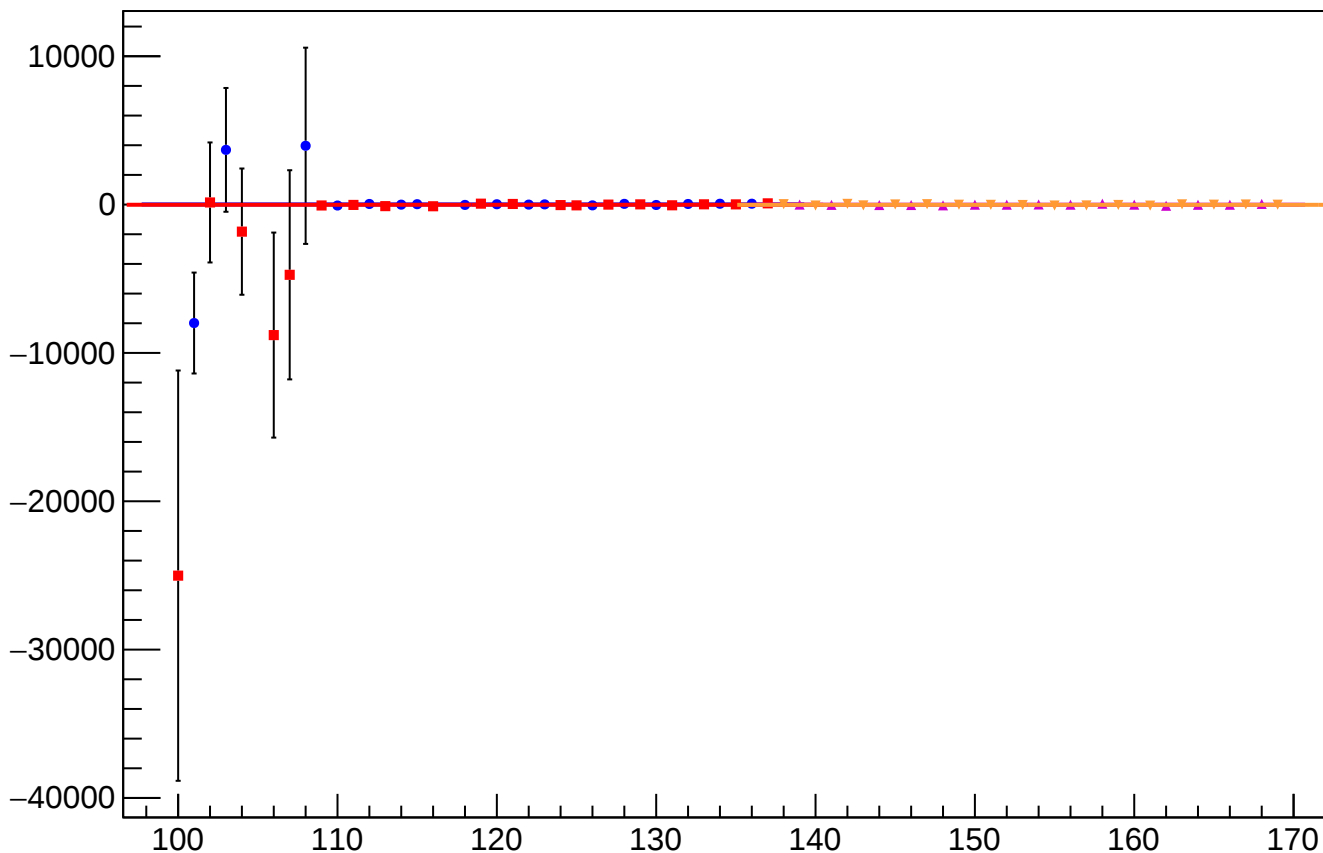
Left In: 183.182+/-0.040 χ^2/NDF : 1304308.3/14

+ sign 210.658+/-0.037 χ^2/NDF : 4811410.2/33

All: 193.567+/-0.024 χ^2/NDF : 10732773.2/67

- sign 179.941+/-0.033 χ^2/NDF : 5531776.3/33

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286 $\pm$ 12.282 χ^2 /NDF: 18.4/16

Left Out: -16.999 $\pm$ 8.135 χ^2 /NDF:16.7/16

Right Out: -12.668 $\pm$ 12.232 χ^2 /NDF: 24.8/18

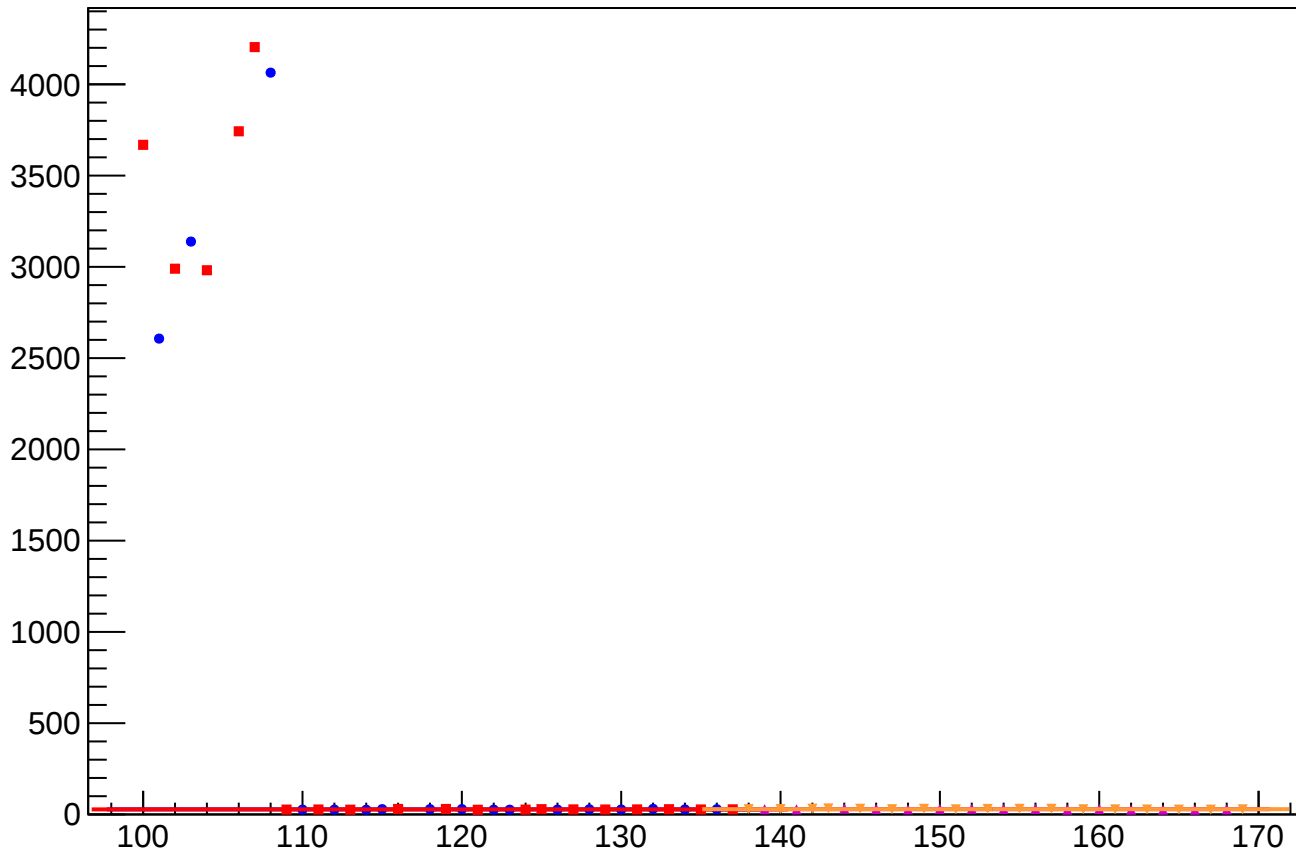
Left In: -8.730 $\pm$ 8.478 χ^2 /NDF:17.2/14

+ sign -8.679 $\pm$ 6.782 χ^2 /NDF: 38.5/33

All: -9.325 $\pm$ 4.860 χ^2 /NDF: 80.6/67

- sign -10.008 $\pm$ 6.968 χ^2 /NDF: 42.1/33

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 28.946+/-0.006 χ^2/NDF : 94396.3/16

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

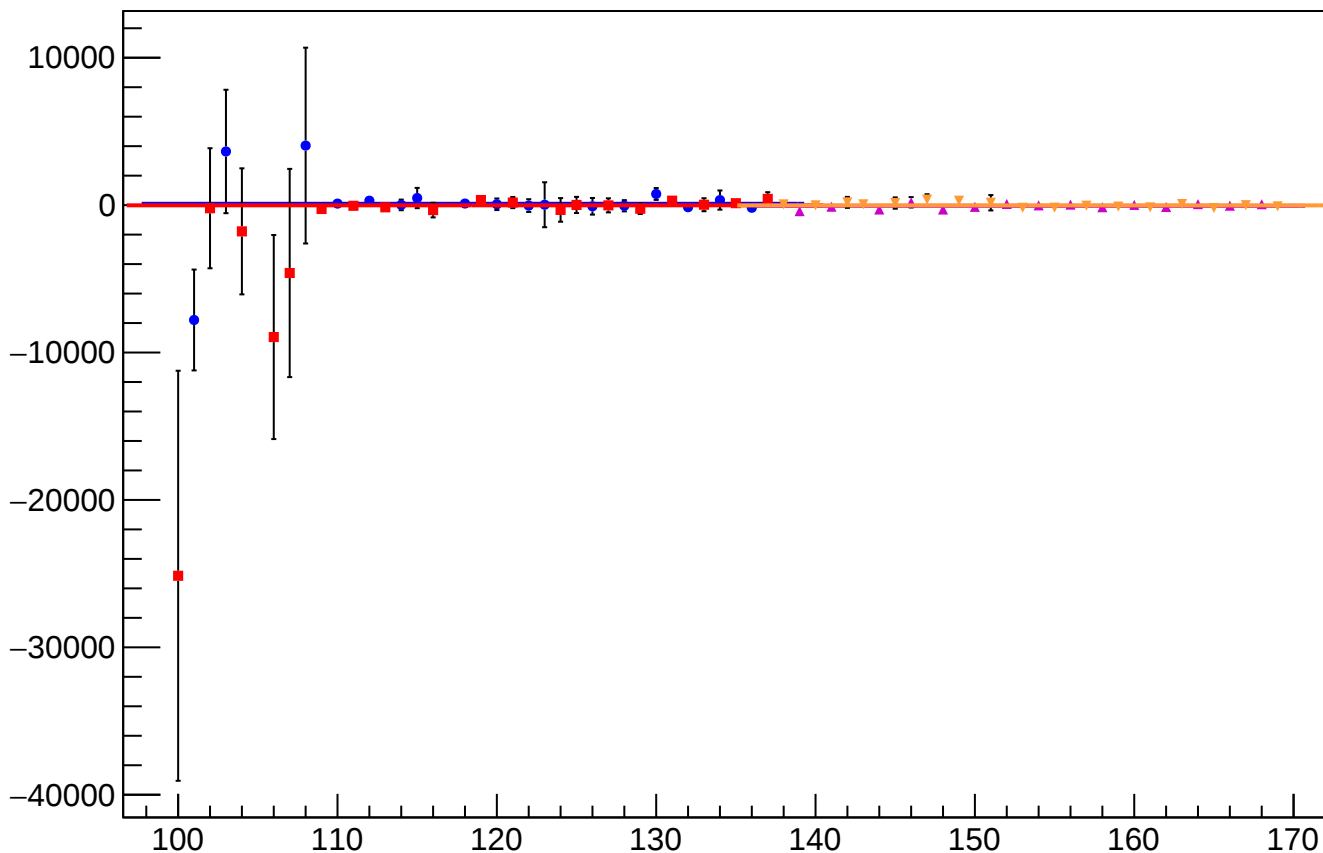
Left In: 28.929+/-0.006 χ^2/NDF : 108281.9/14

+ sign 28.613+/-0.005 χ^2/NDF : 3133040.5/33

All: 28.572+/-0.003 χ^2/NDF : 6732084.4/67

- sign 28.529+/-0.005 χ^2/NDF : 3598892.0/33

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: -16.216+/-63.993 χ^2/NDF : 5.3/16

Right Out: -13.341+/-80.686 χ^2/NDF : 12.7/18

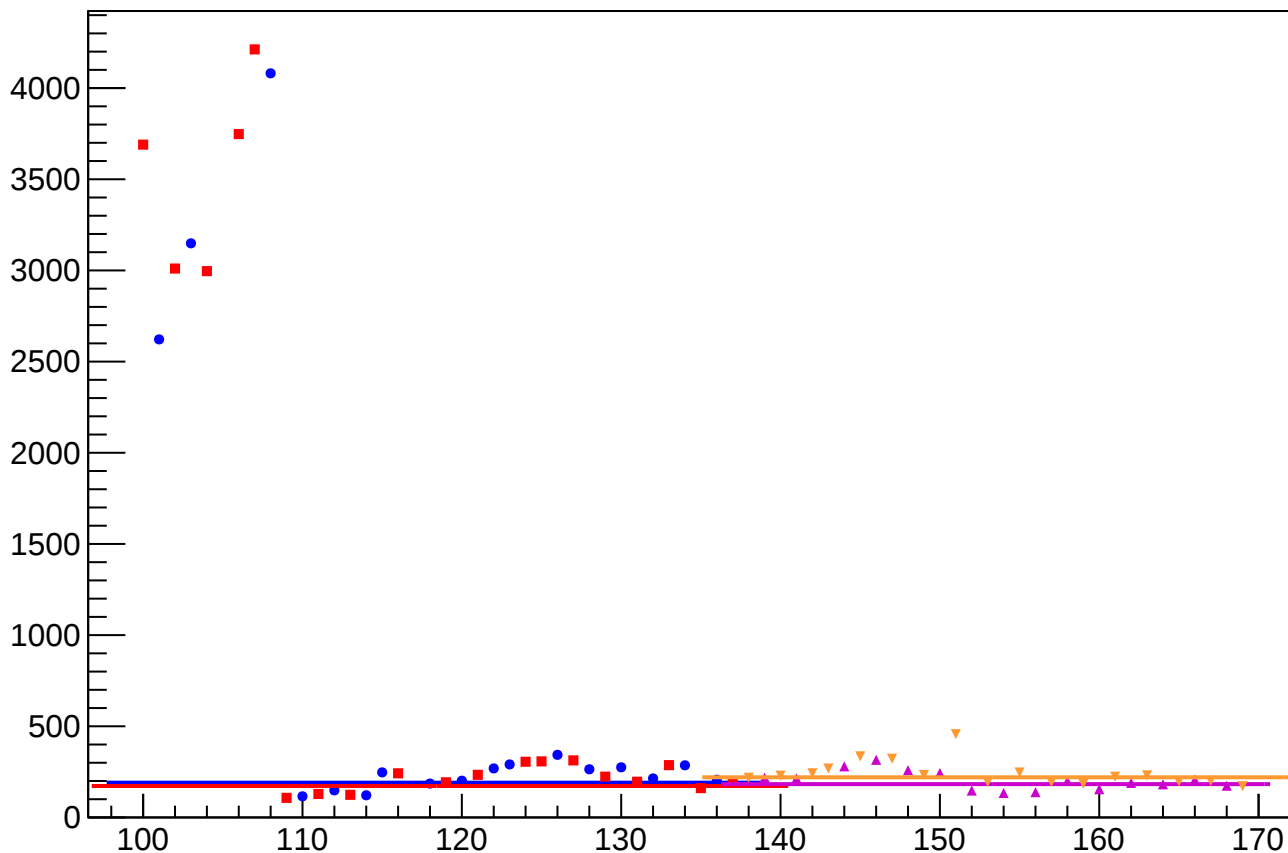
Left In: -46.582+/-56.431 χ^2/NDF : 5.6/14

+ sign 20.709+/-51.785 χ^2/NDF : 19.0/33

All: -10.654+/-34.493 χ^2/NDF : 38.1/67

- sign -35.663+/-46.243 χ^2/NDF : 18.4/33

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770 $\pm$ 0.062 χ^2 /NDF: 3585034.0/16

Left Out: 220.273 $\pm$ 0.045 χ^2 /NDF: 1094328.7/16

Right Out: 172.629 $\pm$ 0.057 χ^2 /NDF: 4218625.1/18

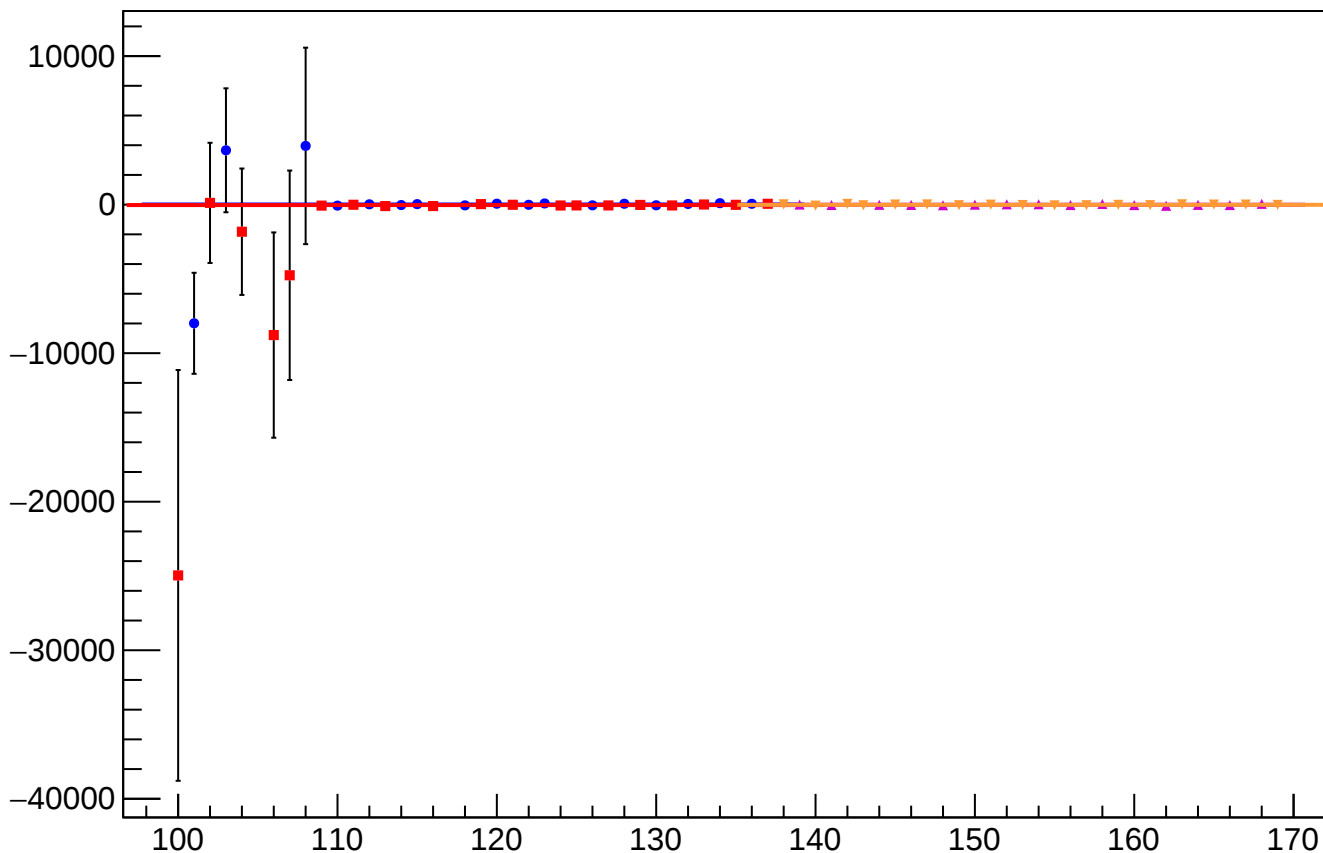
Left In: 182.829 $\pm$ 0.040 χ^2 /NDF: 1304074.2/14

+ sign 210.091 $\pm$ 0.037 χ^2 /NDF: 4826087.9/33

All: 193.060 $\pm$ 0.024 χ^2 /NDF: 10759062.0/67

- sign 179.479 $\pm$ 0.033 χ^2 /NDF: 5544162.8/33

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -12.466 $\pm$ 8.194 χ^2 /NDF: 11.4/16

Right Out: -29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

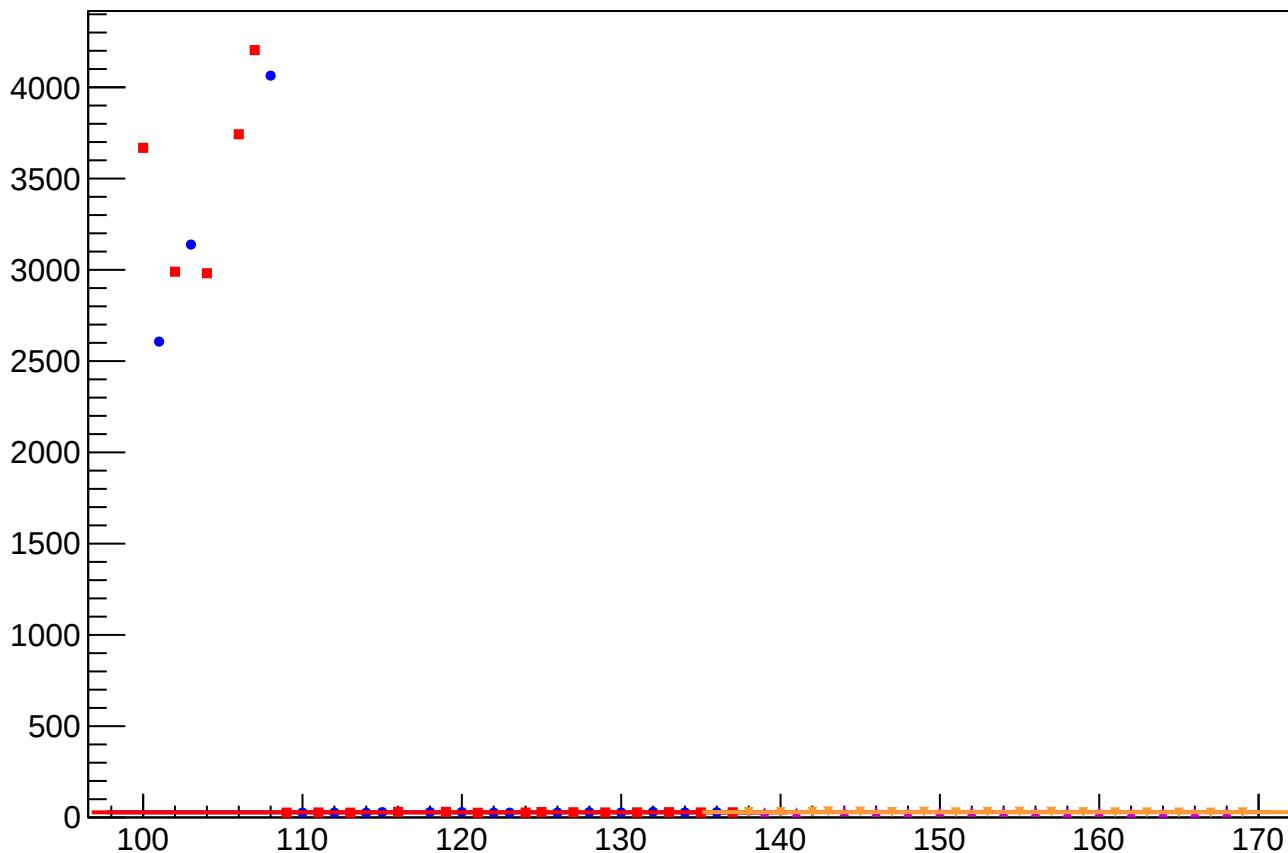
Left In: -7.168 $\pm$ 8.531 χ^2 /NDF: 17.4/14

+ sign -6.040 $\pm$ 6.831 χ^2 /NDF: 36.6/33

All: -10.089 $\pm$ 4.894 χ^2 /NDF: 73.8/67

- sign -14.361 $\pm$ 7.016 χ^2 /NDF: 36.4/33

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 29.151+/-0.006 χ^2/NDF : 99380.5/16

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

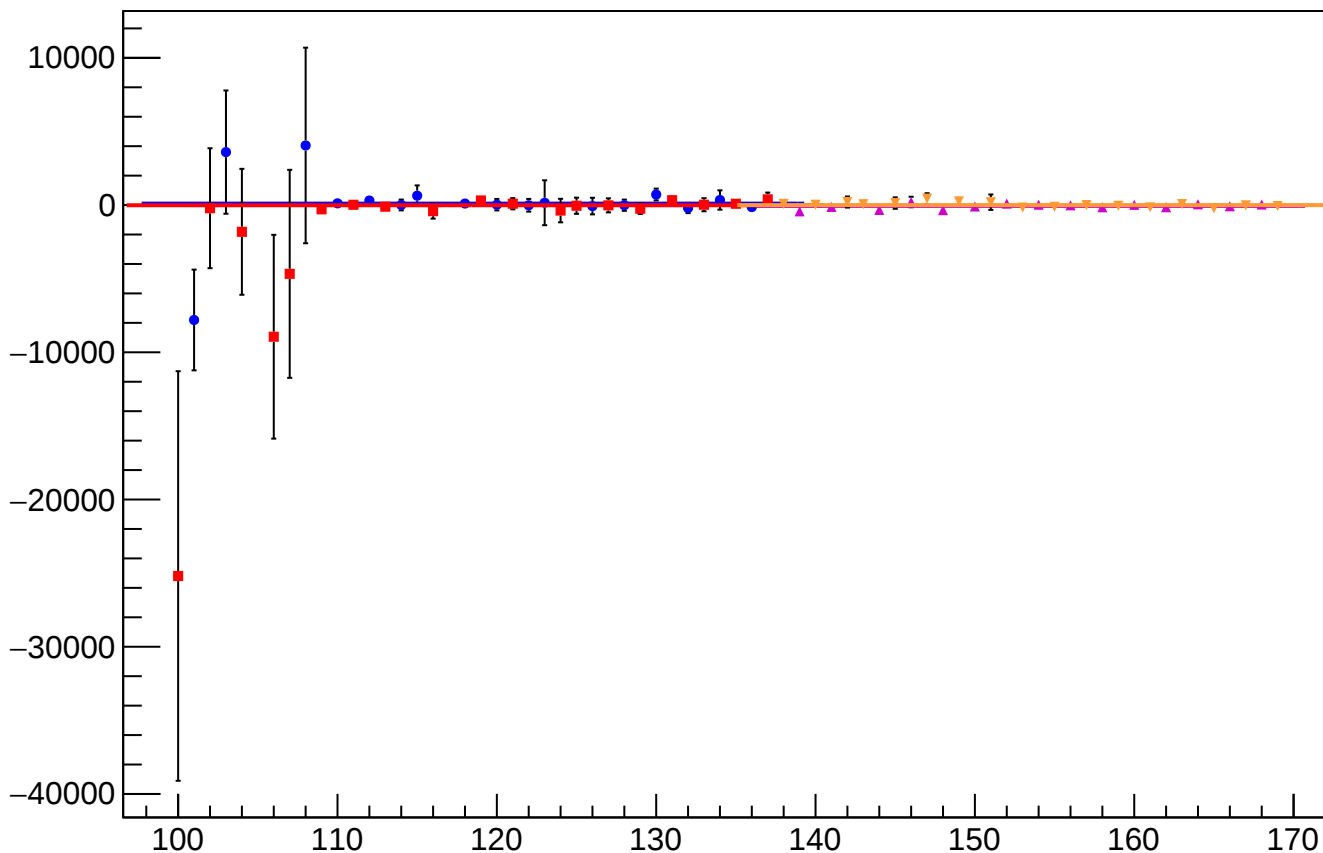
Left In: 29.112+/-0.006 χ^2/NDF : 108721.5/14

+ sign 28.813+/-0.005 χ^2/NDF : 3138412.1/33

All: 28.770+/-0.003 χ^2/NDF : 6739663.3/67

- sign 28.725+/-0.005 χ^2/NDF : 3601091.0/33

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: -2.249 $\pm$ 64.739 χ^2 /NDF: 5.0/16

Right Out: -11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

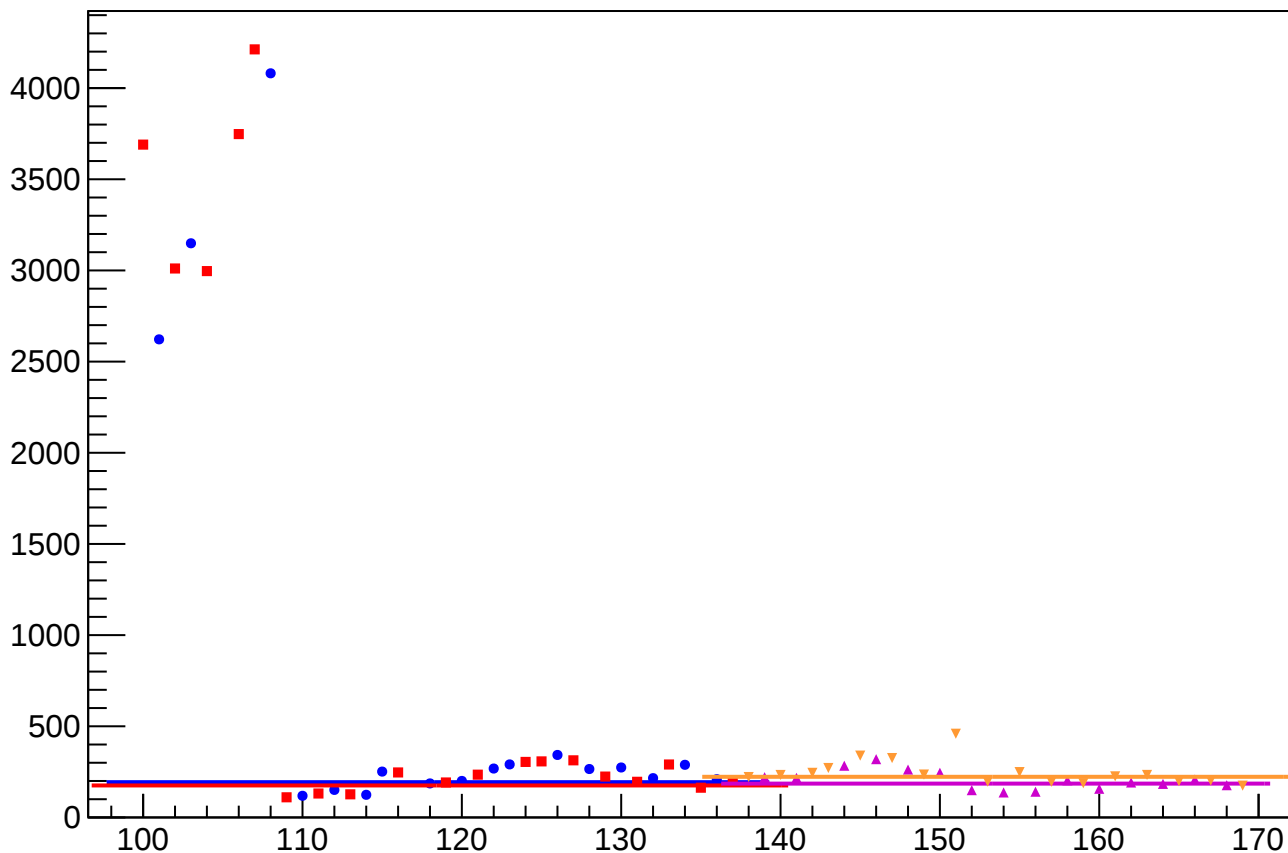
Left In: -55.512 $\pm$ 57.233 χ^2 /NDF: 6.1/14

+ sign 32.386 $\pm$ 52.395 χ^2 /NDF: 18.4/33

All: -8.428 $\pm$ 34.941 χ^2 /NDF: 38.1/67

- sign -41.116 $\pm$ 46.889 χ^2 /NDF: 18.6/33

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 222.951+/-0.046 χ^2/NDF : 1082777.0/16

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

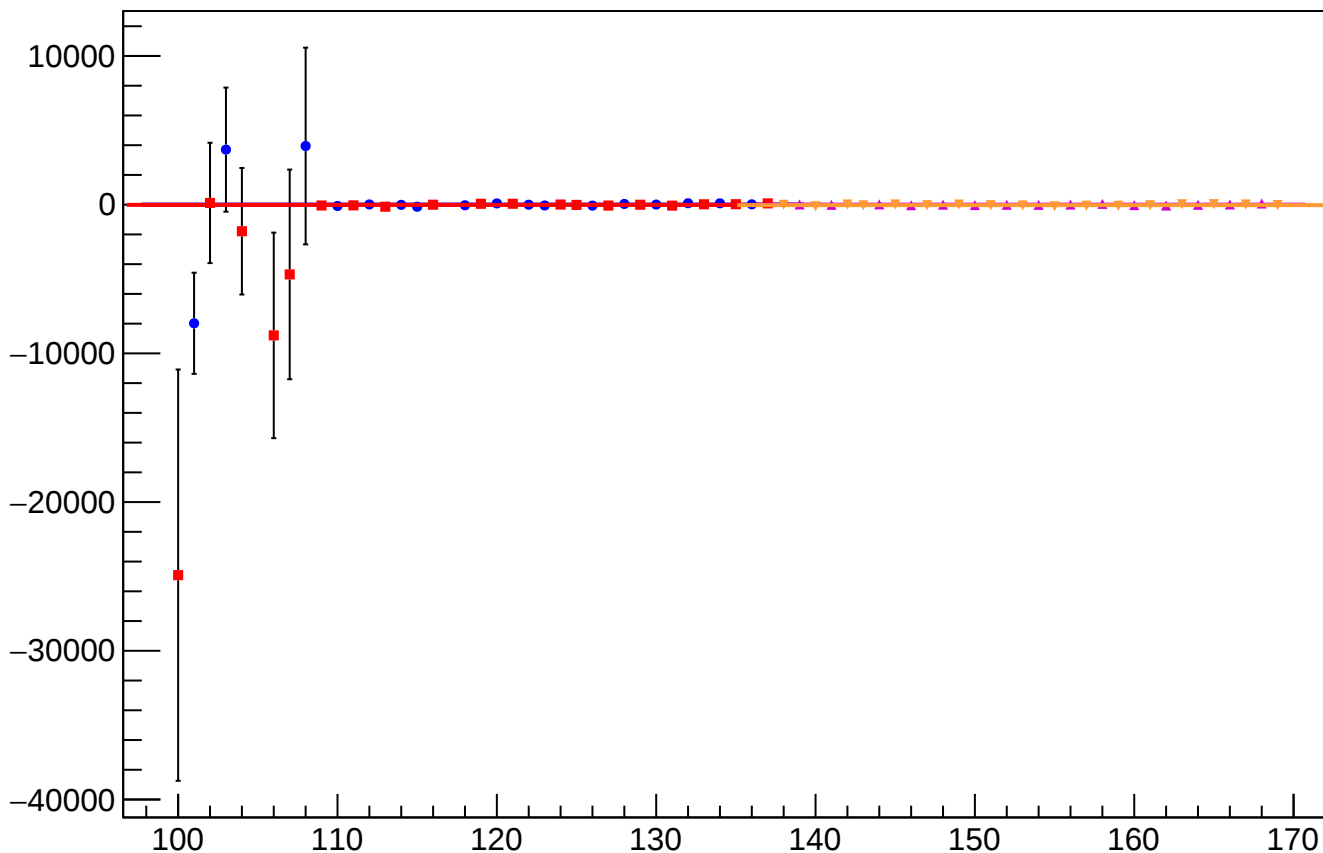
Left In: 185.619+/-0.040 χ^2/NDF : 1275482.8/14

+ sign 212.796+/-0.037 χ^2/NDF : 4762357.9/33

All: 195.859+/-0.025 χ^2/NDF : 10600291.0/67

- sign 182.295+/-0.033 χ^2/NDF : 5461575.0/33

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -31.114 $\pm$ 9.738 χ^2 /NDF:19.4/16

Right Out: -12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

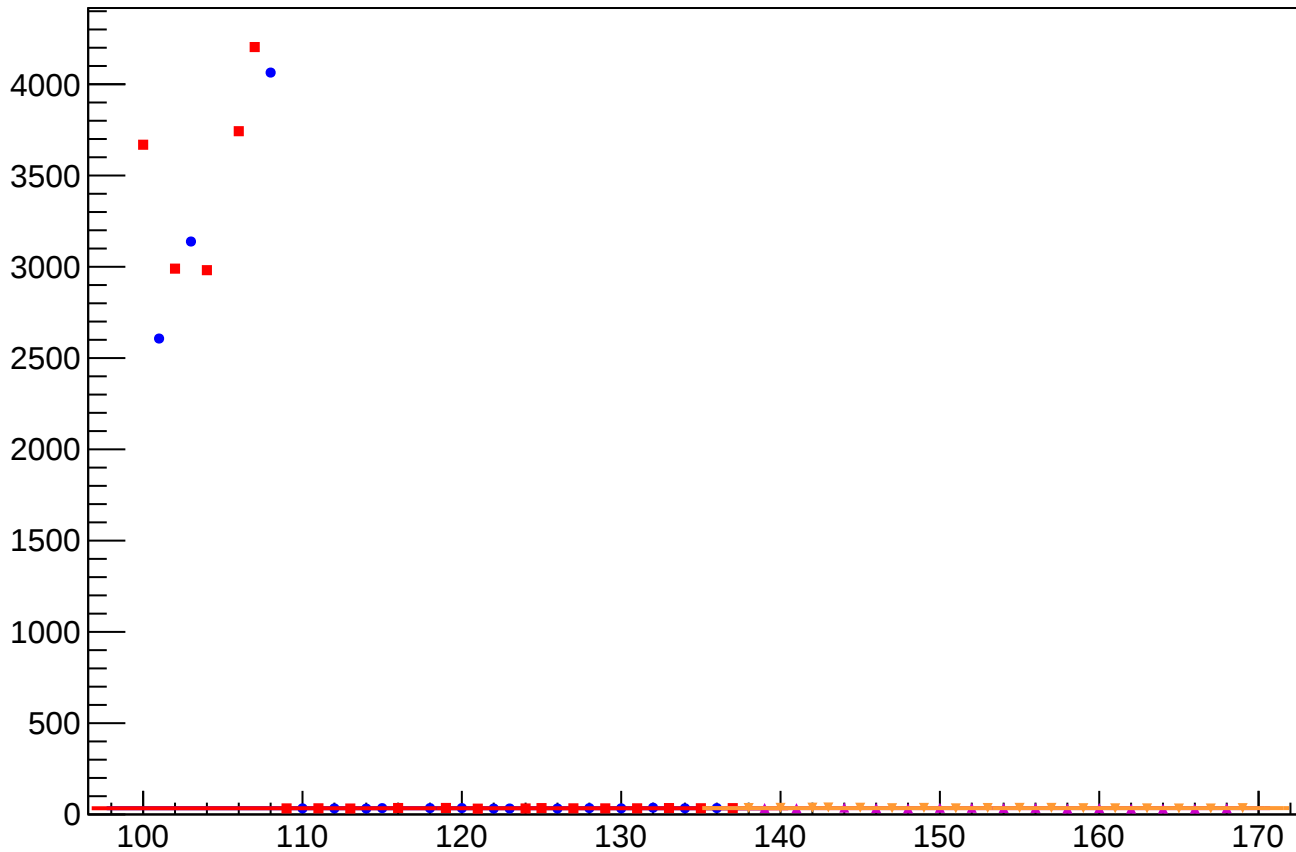
Left In: 3.393 $\pm$ 10.149 χ^2 /NDF:11.7/14

+ sign -20.291 $\pm$ 8.176 χ^2 /NDF: 44.1/33

All: -11.151 $\pm$ 5.858 χ^2 /NDF: 81.0/67

- sign -1.512 $\pm$ 8.397 χ^2 /NDF: 34.4/33

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 34.706 $\pm$ 0.007 χ^2 /NDF: 46874.8/16

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

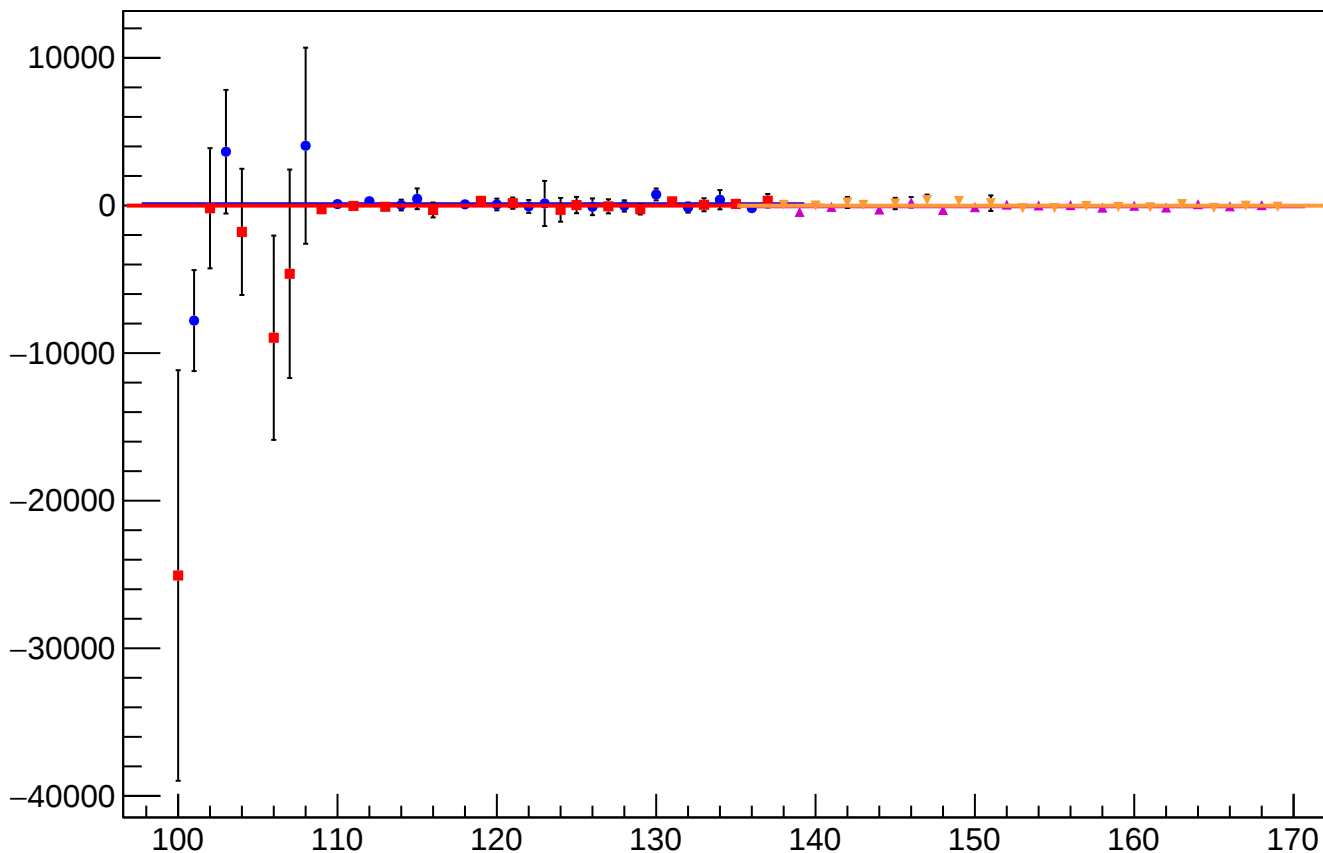
Left In: 34.703 $\pm$ 0.007 χ^2 /NDF: 51640.1/14

+ sign 34.547 $\pm$ 0.006 χ^2 /NDF: 3055190.9/33

All: 34.502 $\pm$ 0.004 χ^2 /NDF: 6562694.1/67

- sign 34.454 $\pm$ 0.006 χ^2 /NDF: 3507376.2/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504 $\pm$ 88.746 χ^2 /NDF: 12.5/16

Left Out: -12.896 $\pm$ 64.611 χ^2 /NDF: 5.1/16

Right Out: -8.565 $\pm$ 81.257 χ^2 /NDF: 11.1/18

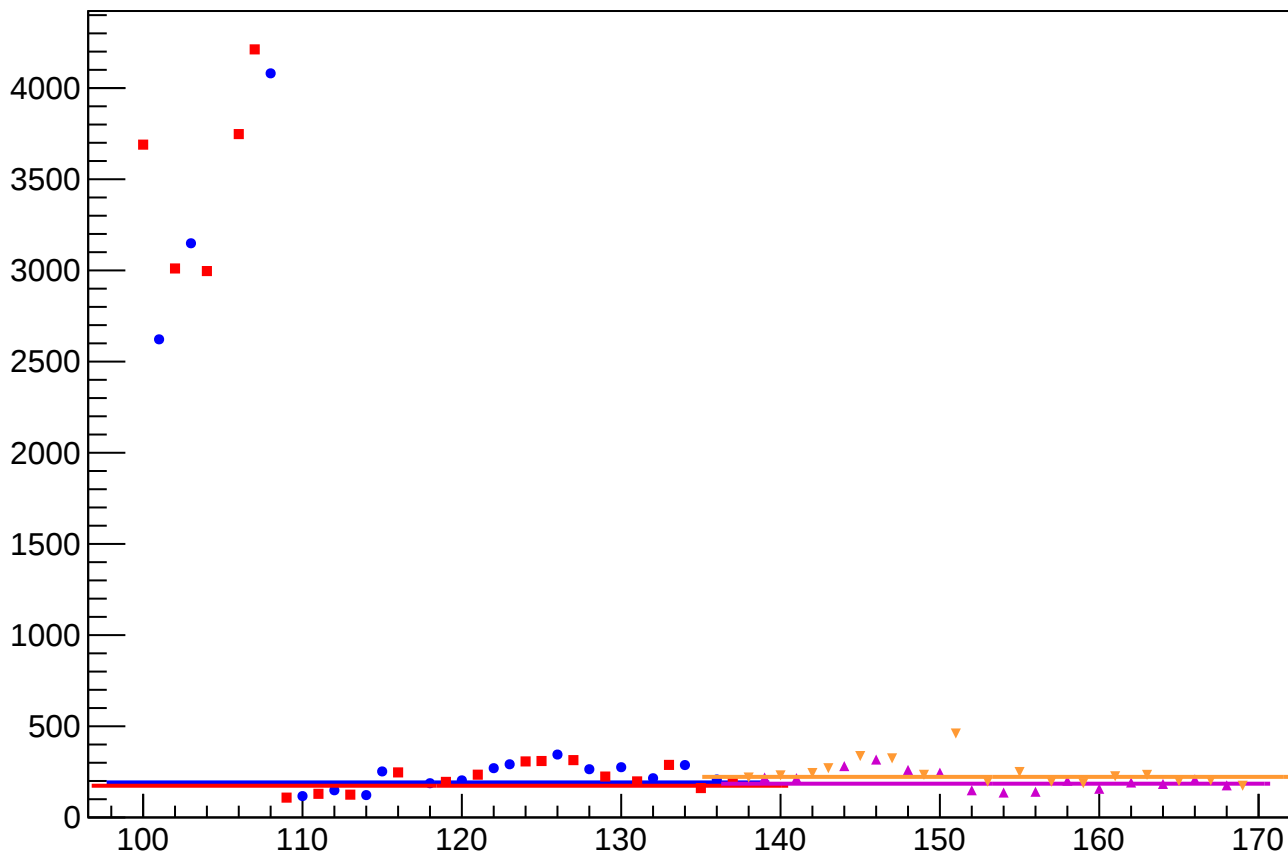
Left In: -53.830 $\pm$ 57.074 χ^2 /NDF: 5.5/14

+ sign 20.846 $\pm$ 52.234 χ^2 /NDF: 18.5/33

All: -12.343 $\pm$ 34.816 χ^2 /NDF: 36.0/67

- sign -38.876 $\pm$ 46.704 χ^2 /NDF: 16.8/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 222.527+/-0.046 χ^2/NDF : 1073743.1/16

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

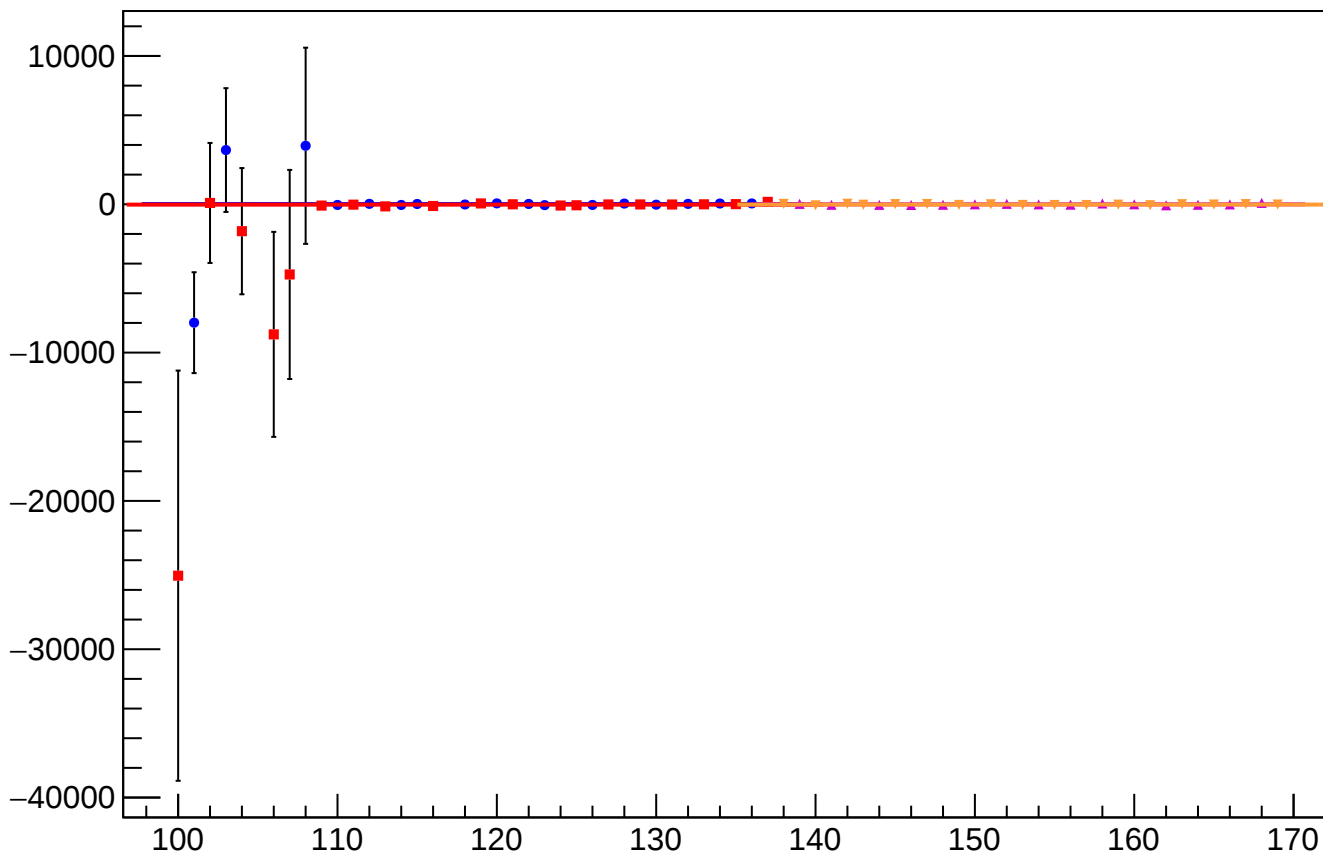
Left In: 185.114+/-0.040 χ^2/NDF : 1262885.6/14

+ sign 212.013+/-0.037 χ^2/NDF : 4801241.3/33

All: 195.017+/-0.025 χ^2/NDF : 10682012.1/67

- sign 181.429+/-0.033 χ^2/NDF : 5499733.0/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -19.612+/-8.832 χ^2/NDF :12.0/16

Right Out: -22.618+/-13.660 χ^2/NDF : 28.0/18

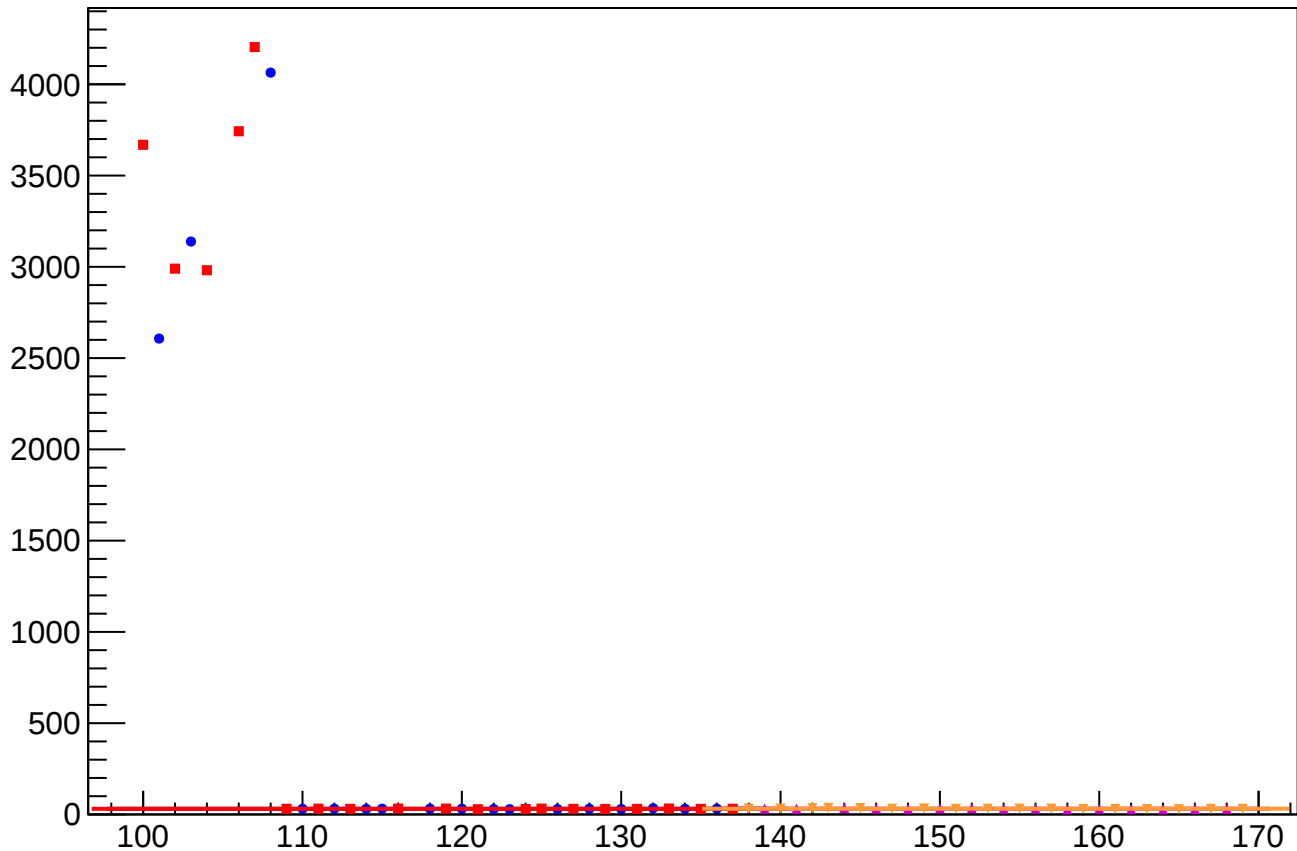
Left In: -4.075+/-9.191 χ^2/NDF :21.3/14

+ sign -10.134+/-7.427 χ^2/NDF : 30.6/33

All: -9.997+/-5.320 χ^2/NDF : 81.2/67

- sign -9.854+/-7.625 χ^2/NDF : 50.6/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 31.443+/-0.006 χ^2/NDF : 73282.6/16

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

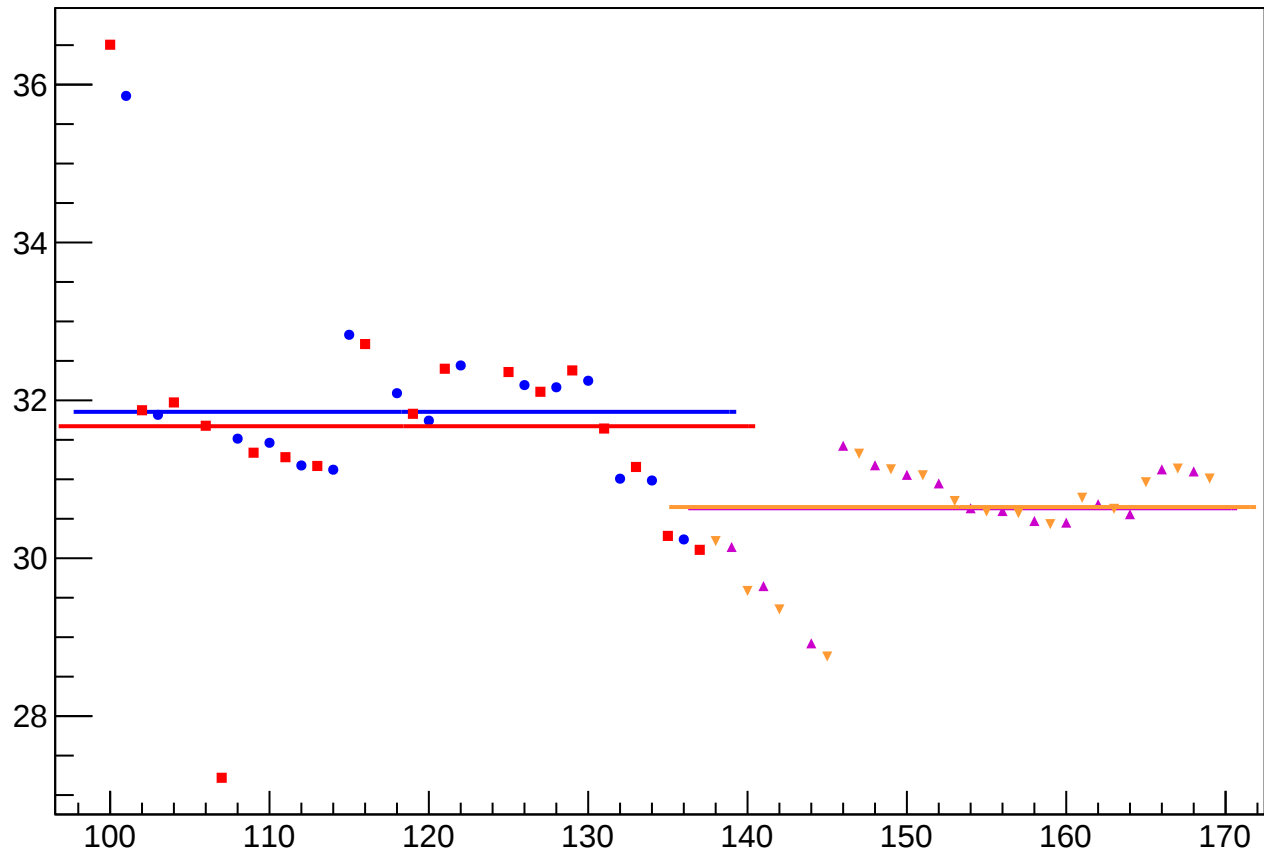
Left In: 31.380+/-0.006 χ^2/NDF : 80459.9/14

+ sign 31.358+/-0.005 χ^2/NDF : 3088429.5/33

All: 31.305+/-0.004 χ^2/NDF : 6629306.5/67

- sign 31.250+/-0.005 χ^2/NDF : 3540670.4/33

yield_usl_mean vs Slug



Right In: 31.855 $\pm$ 0.000 χ^2 /NDF: 1570522165.5/15

Left Out: 30.649 $\pm$ 0.000 χ^2 /NDF: 669287994.1/15

Right Out: 31.672 $\pm$ 0.000 χ^2 /NDF: 917899841.8/17

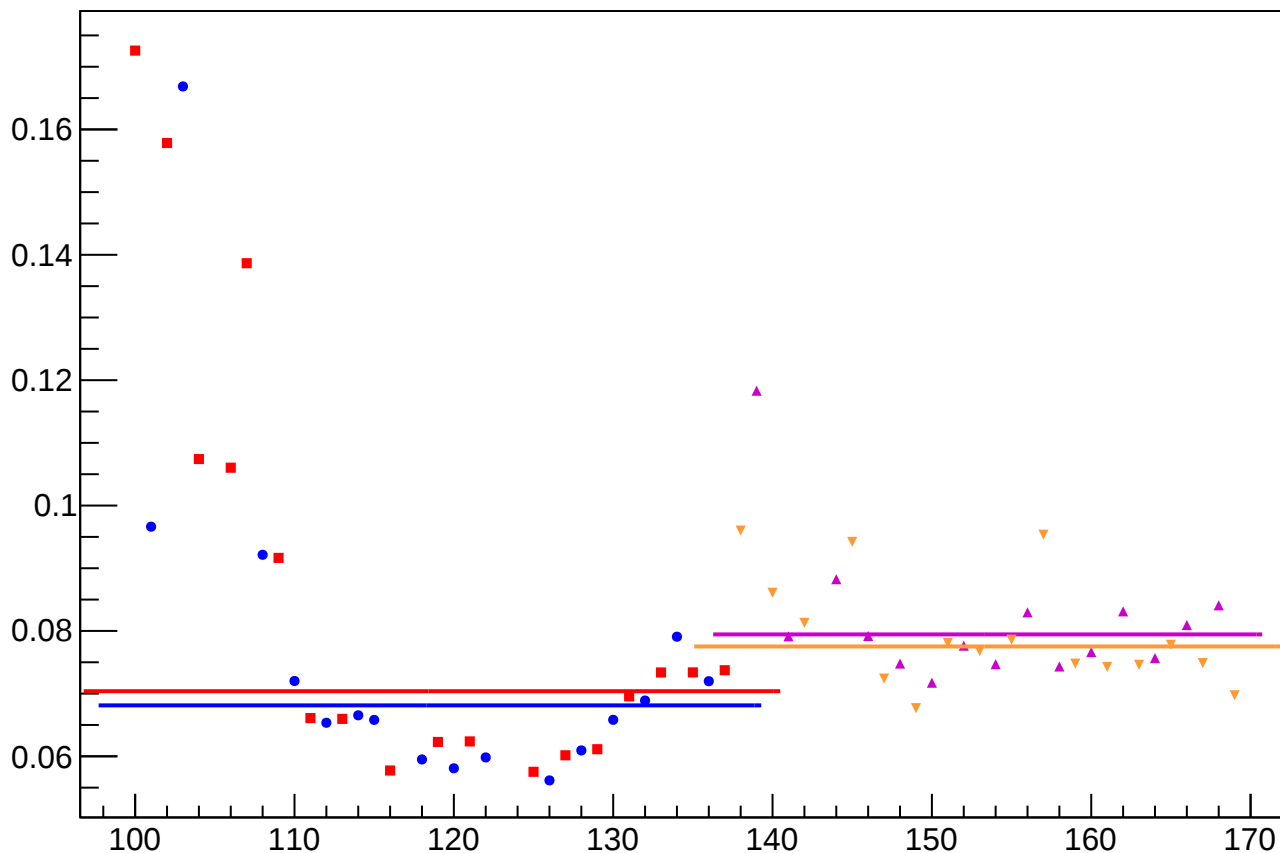
Left In: 30.633 $\pm$ 0.000 χ^2 /NDF: 613221385.3/14

+ sign 31.141 $\pm$ 0.000 χ^2 /NDF: 3310490582.8/31

All: 31.104 $\pm$ 0.000 χ^2 /NDF: 5602788945.4/6

- sign 31.066 $\pm$ 0.000 χ^2 /NDF: 2283974169.0/32

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF : 629767.4/15

Left Out: 0.078+/-0.000 χ^2/NDF : 220000.7/15

Right Out: 0.070+/-0.000 χ^2/NDF : 841320.1/17

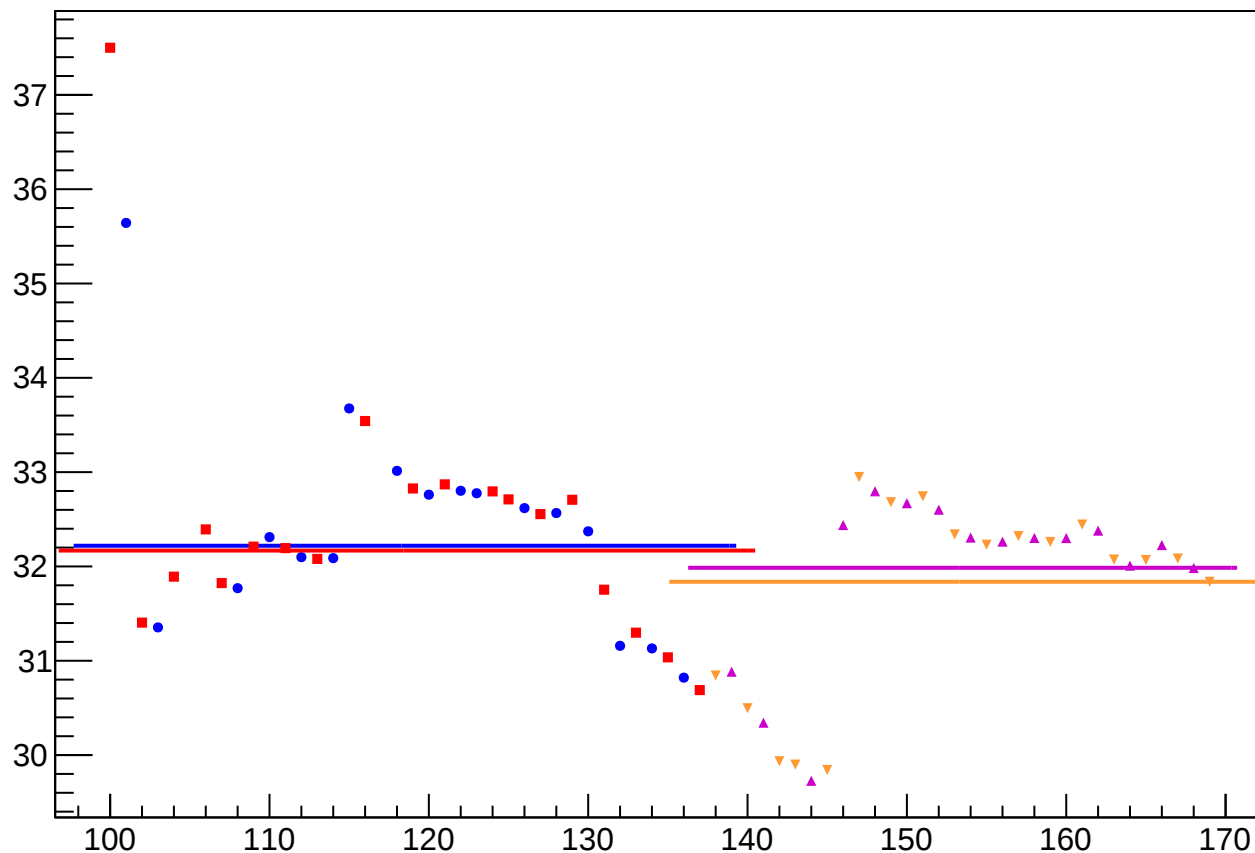
Left In: 0.079+/-0.000 χ^2/NDF : 218918.3/14

+ sign 0.074+/-0.000 χ^2/NDF : 979826.1/31

All: 0.075+/-0.000 χ^2/NDF : 2166123.0/64

- sign 0.076+/-0.000 χ^2/NDF : 1174640.7/32

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.837+/-0.000 χ^2/NDF : 1825870238.0/16

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

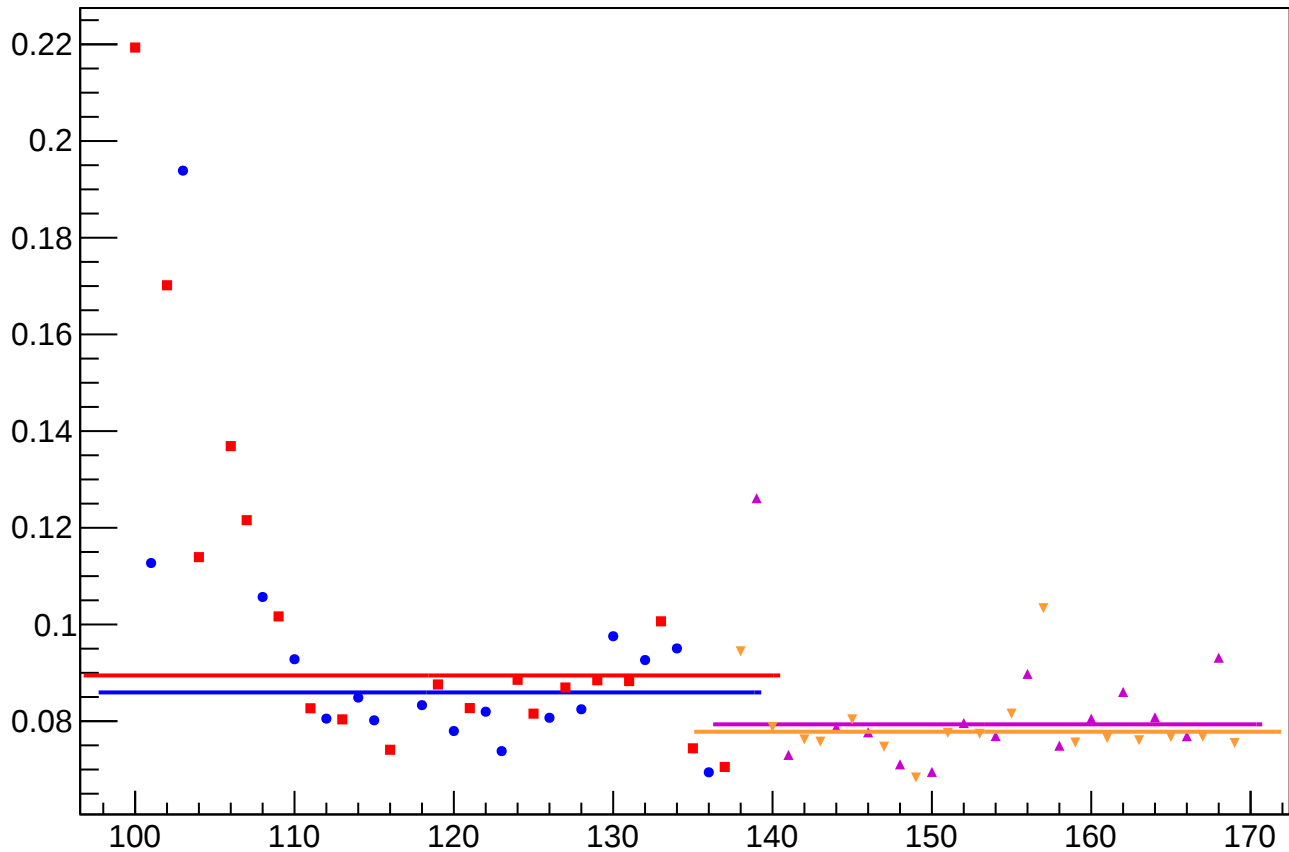
Left In: 31.986+/-0.000 χ^2/NDF : 1399161633.0/14

+ sign 31.949+/-0.000 χ^2/NDF : 2920835000.8/33

All: 31.994+/-0.000 χ^2/NDF : 4791217929.9/6

- sign 32.043+/-0.000 χ^2/NDF : 1859083274.1/33

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 553280.3/16

Left Out: 0.078 $\pm$ 0.000 χ^2 /NDF:162068.8/16

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 539869.9/18

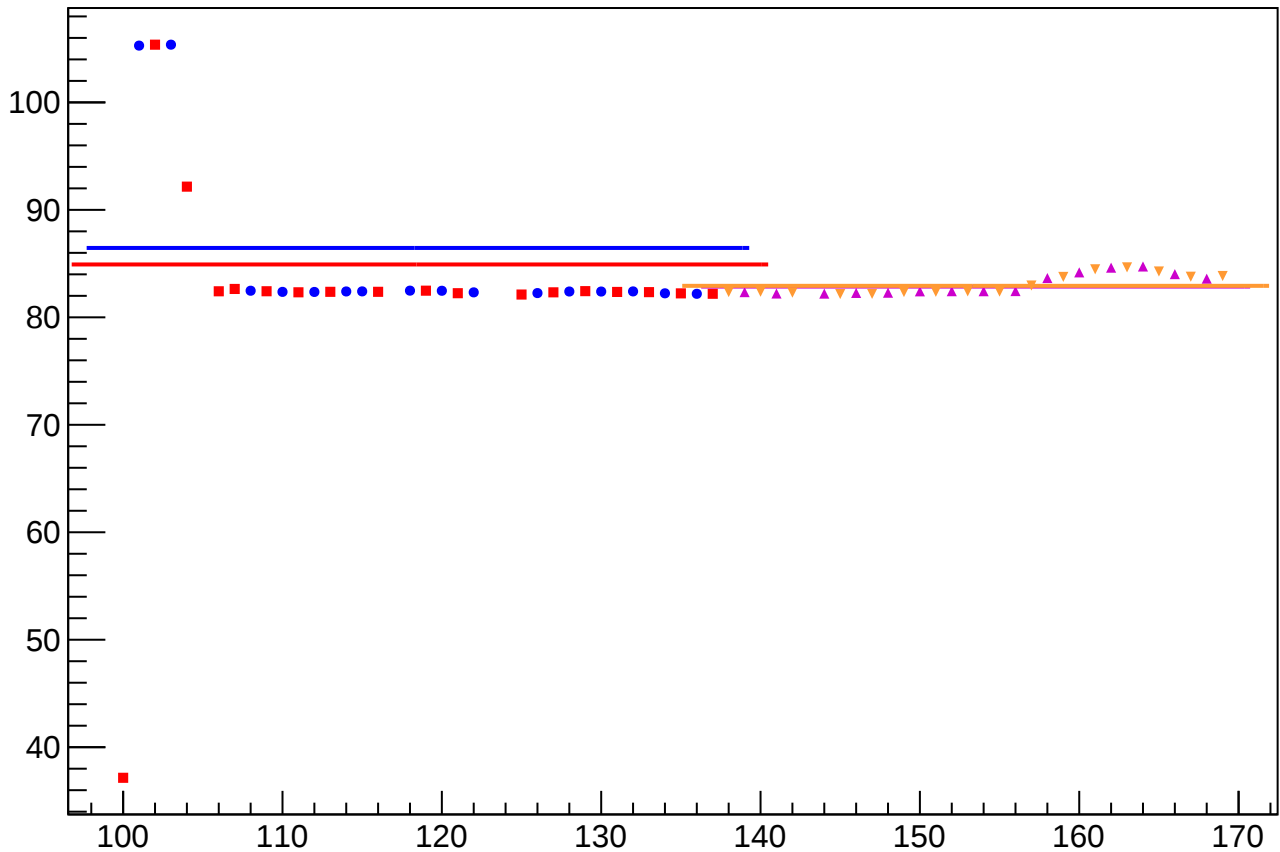
Left In: 0.079 $\pm$ 0.000 χ^2 /NDF:328903.2/14

+ sign 0.080 $\pm$ 0.000 χ^2 /NDF: 788770.1/33

All: 0.081 $\pm$ 0.000 χ^2 /NDF: 1779366.8/67

- sign 0.082 $\pm$ 0.000 χ^2 /NDF: 976980.2/33

yield_dsl_mean vs Slug



Right In: 86.457 $\pm$ 0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.931 $\pm$ 0.000 χ^2/NDF : 4201448887.4/15

Right Out: 84.920 $\pm$ 0.000 χ^2/NDF : 172195187677.7/17

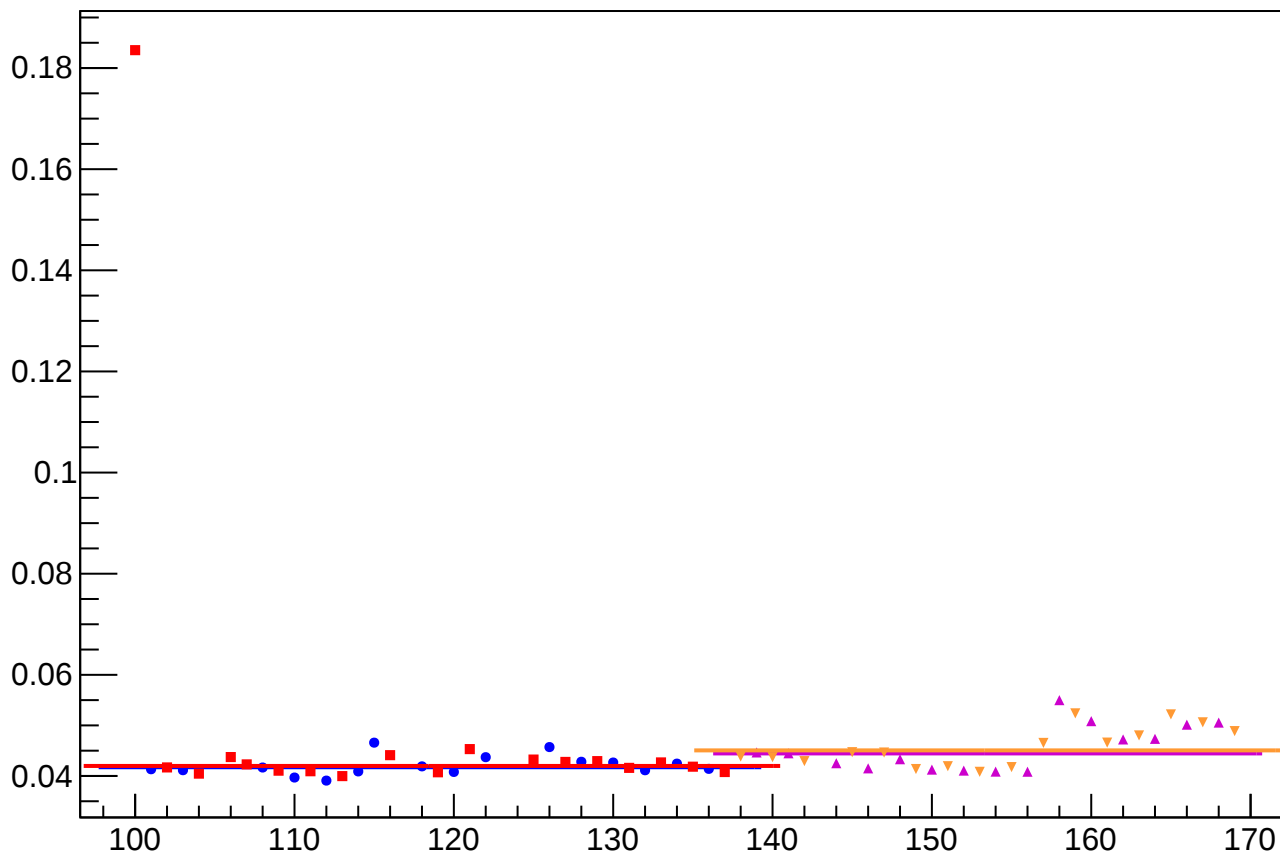
Left In: 82.863 $\pm$ 0.000 χ^2/NDF : 4177708847.5/14

+ sign 84.326 $\pm$ 0.000 χ^2/NDF : 323935673765.6/31

All: 84.007 $\pm$ 0.000 χ^2/NDF : 512074097762.0

- sign 83.694 $\pm$ 0.000 χ^2/NDF : 186219269629.6/32

yield_dsl_rms vs Slug



Right In: 0.042 ± 0.000 χ^2/NDF : 18887.0/15

Left Out: 0.045 ± 0.000 χ^2/NDF : 141098.3/15

Right Out: 0.042 ± 0.000 χ^2/NDF : 96869.3/17

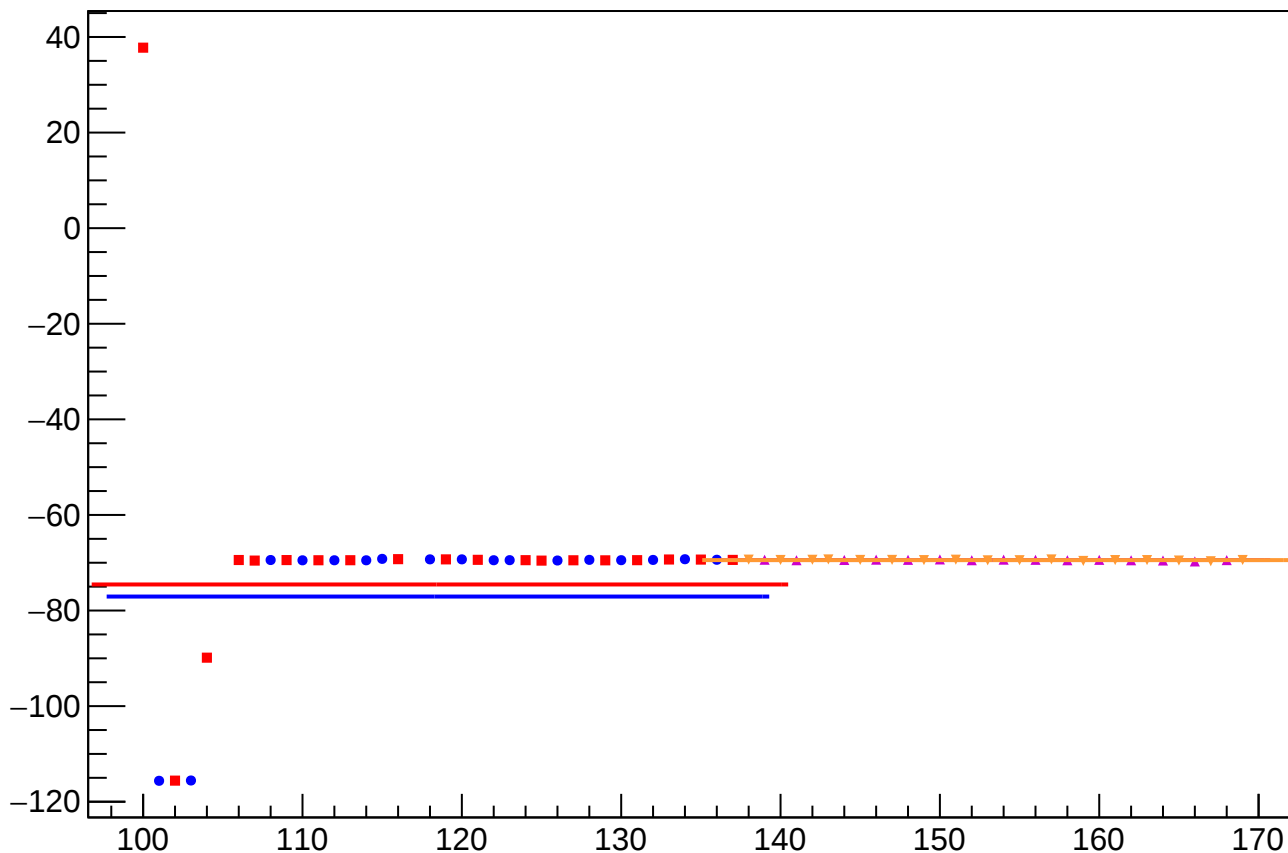
Left In: 0.044 ± 0.000 χ^2/NDF : 188317.6/14

+ sign 0.044 ± 0.000 χ^2/NDF : 210492.7/31

All: 0.044 ± 0.000 χ^2/NDF : 525013.5/64

- sign 0.043 ± 0.000 χ^2/NDF : 313753.9/32

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.450+/-0.000 χ^2/NDF : 39320204.7/16

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

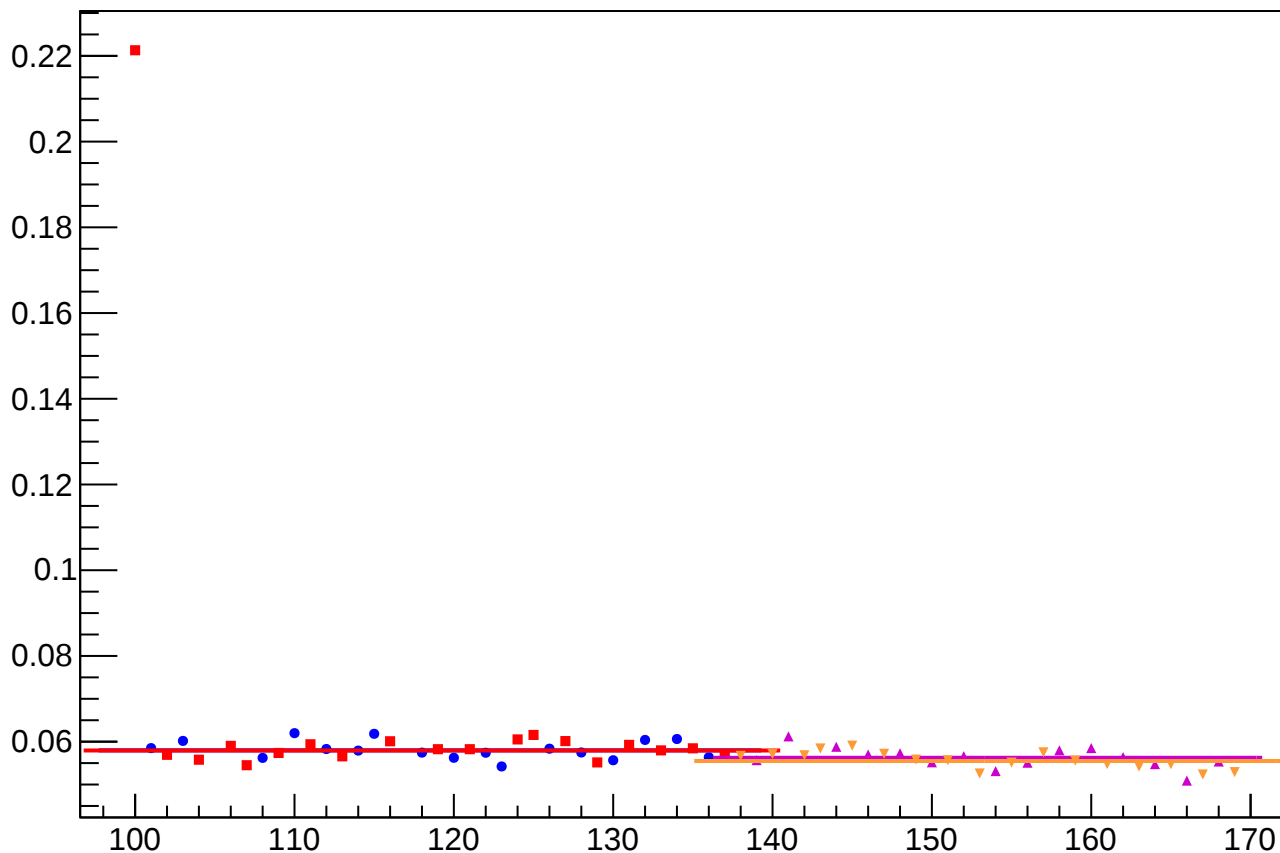
Left In: -69.431+/-0.000 χ^2/NDF : 30884198.8/14

+ sign -71.927+/-0.000 χ^2/NDF : 640574826759.9/3

All: -71.617+/-0.000 χ^2/NDF : 104767020959

- sign -71.291+/-0.000 χ^2/NDF : 405932538659.4/3

yield_dsr_rms vs Slug



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12275.6/16

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 29363.9/16

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 86466.5/18

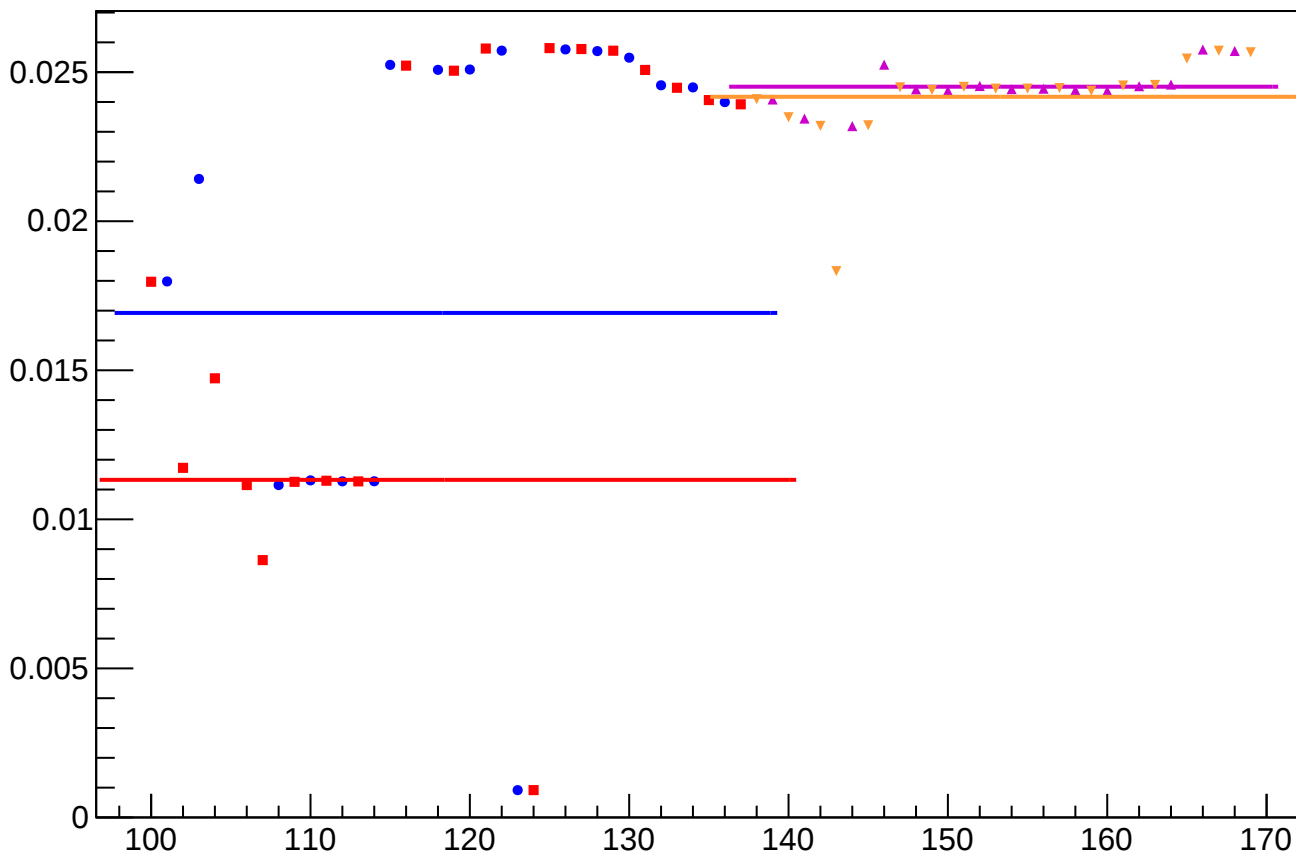
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF: 38486.2/14

+ sign 0.056 $\pm$ 0.000 χ^2 /NDF: 57550.1/33

All: 0.057 $\pm$ 0.000 χ^2 /NDF: 191846.5/67

- sign 0.057 $\pm$ 0.000 χ^2 /NDF: 132484.1/33

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2/NDF : 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2/NDF : 6301745752.6/16

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 234754769754.2/18

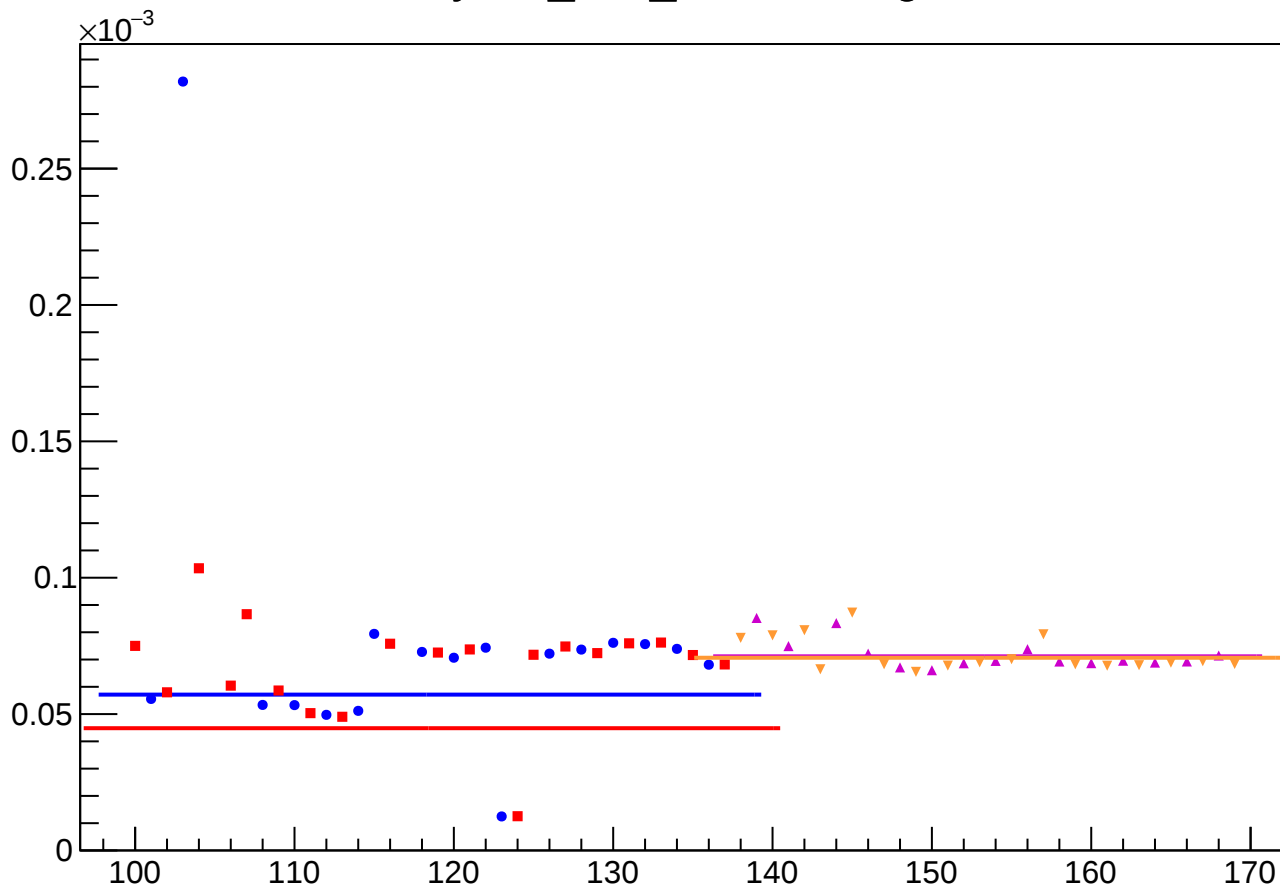
Left In: 0.025 $\pm$ 0.000 χ^2/NDF : 896685714.0/14

+ sign 0.021 $\pm$ 0.000 χ^2/NDF : 185333547587.8/33

All: 0.019 $\pm$ 0.000 χ^2/NDF : 650637945207.1

- sign 0.018 $\pm$ 0.000 χ^2/NDF : 438171094258.2/33

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :142838.6/16

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

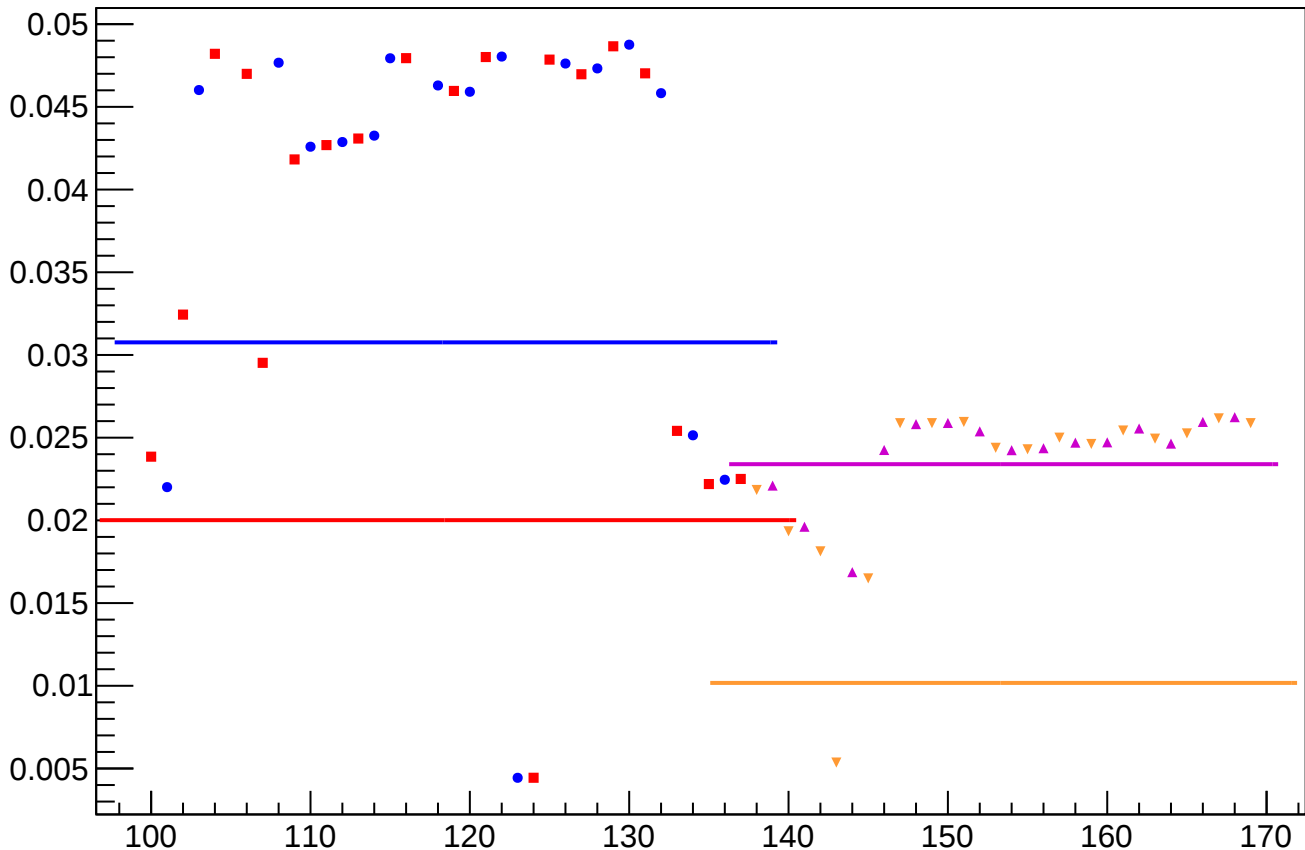
Left In: 0.000+/-0.000 χ^2/NDF :106038.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 2508916.9/33

All: 0.000+/-0.000 χ^2/NDF : 8076580.2/67

- sign 0.000+/-0.000 χ^2/NDF : 5315990.8/33

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 31631812708.8/16

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

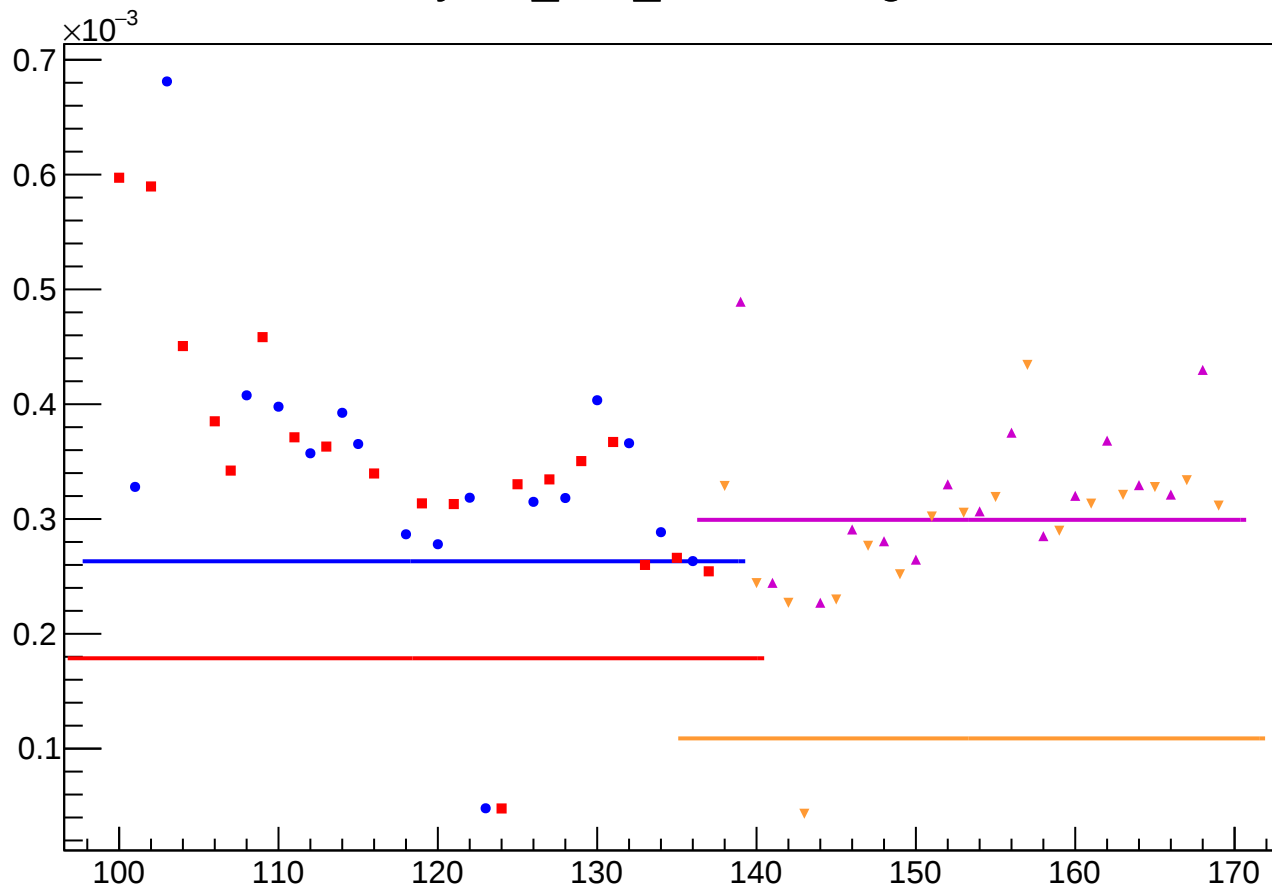
Left In: 0.023+/-0.000 χ^2/NDF : 1118566069.6/14

+ sign 0.013+/-0.000 χ^2/NDF : 78925366254.9/33

All: 0.015+/-0.000 χ^2/NDF : 133537869402.8

- sign 0.022+/-0.000 χ^2/NDF : 41797812350.1/33

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2401048.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:11718999.1/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5341022.6/18

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:766571.2/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17053640.5/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 28795750.5/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7803454.2/33

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 416794826.7/16

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43669374279.3/18

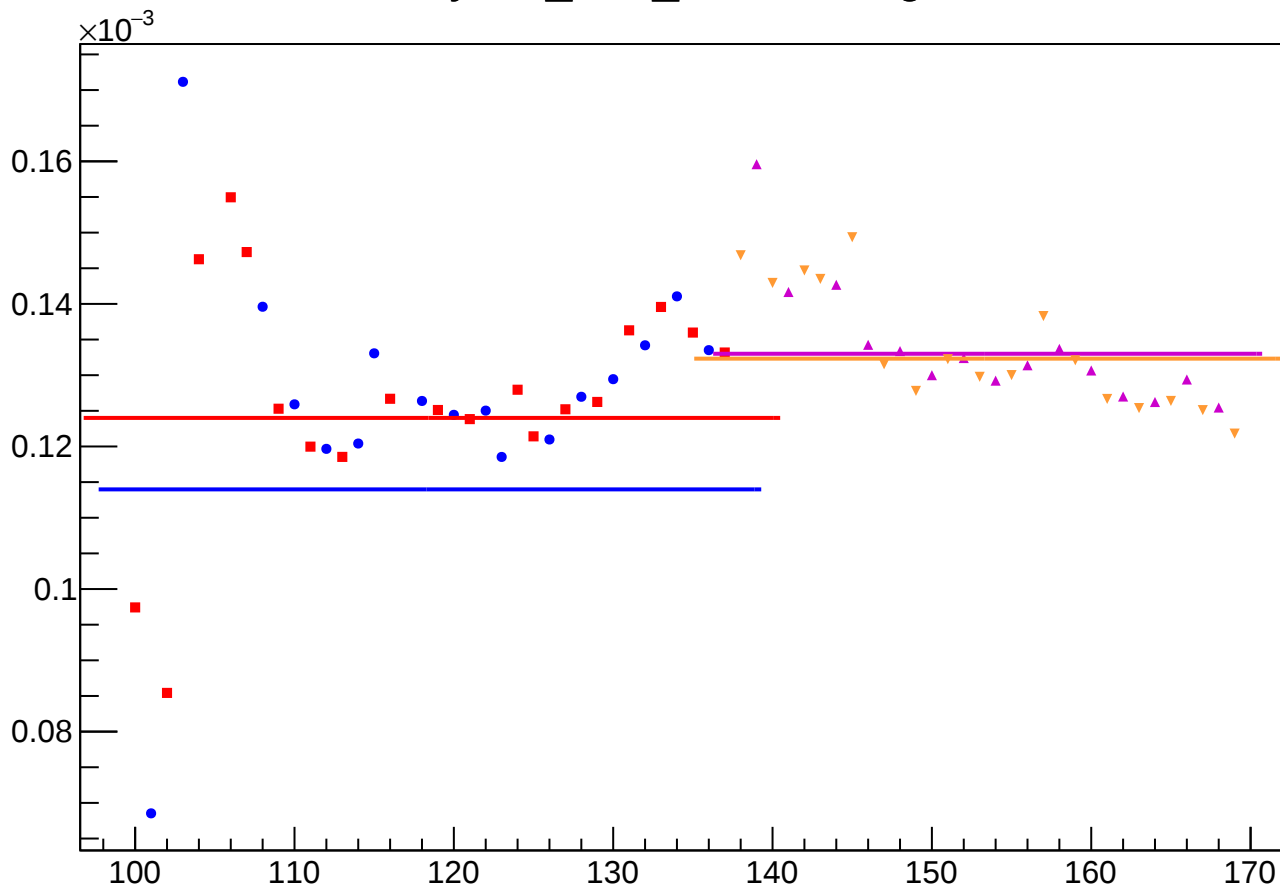
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 334809870.0/14

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 120396129048.1/33

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 171381827415.2

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 48799264798.8/33

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 794542.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 87943.6/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 245154.5/18

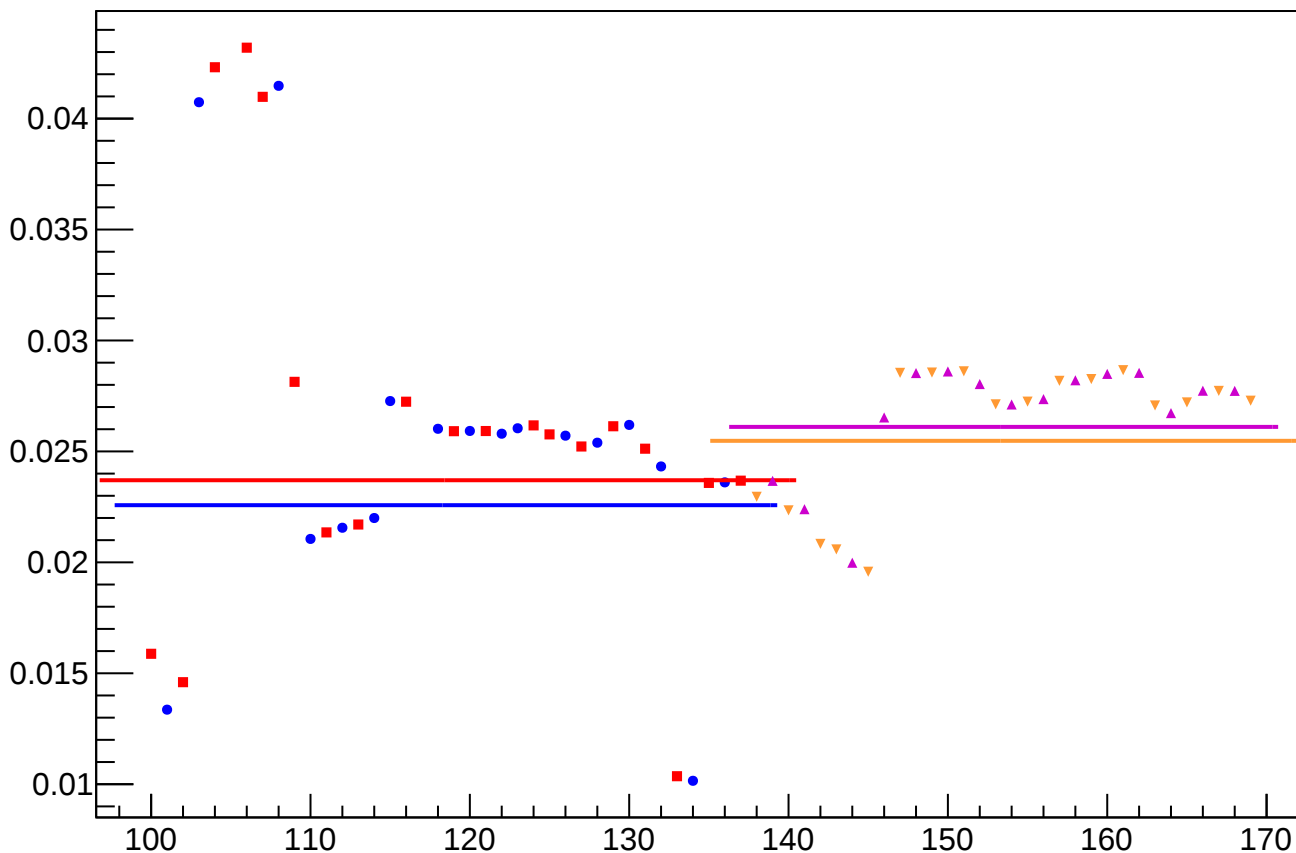
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 70026.4/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1072890.1/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 1452098.9/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 357162.1/33

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.025+/-0.000 χ^2/NDF : 1674085329.8/16

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

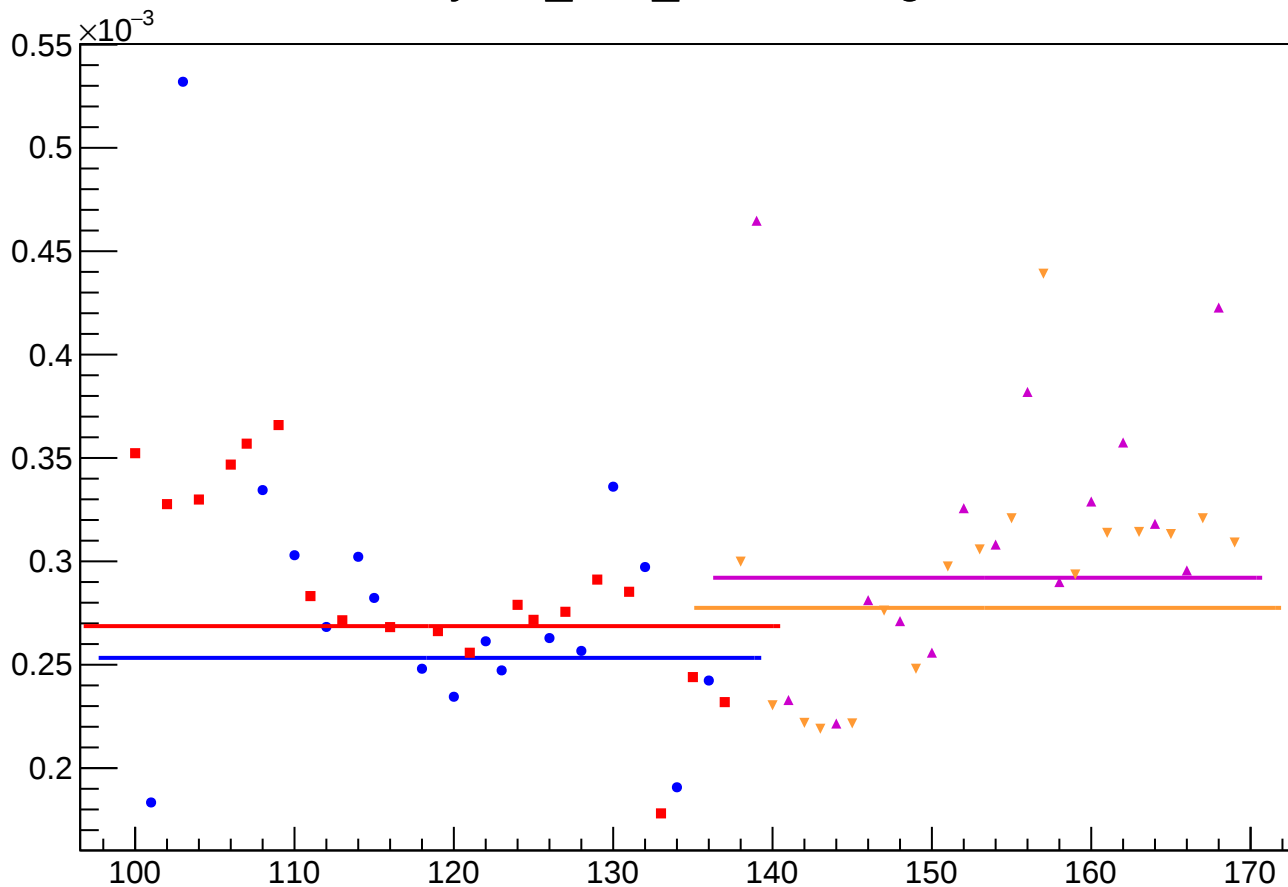
Left In: 0.026+/-0.000 χ^2/NDF : 1130326465.8/14

+ sign 0.024+/-0.000 χ^2/NDF : 6389048757.5/33

All: 0.025+/-0.000 χ^2/NDF : 13523734385.4/6

- sign 0.025+/-0.000 χ^2/NDF : 7071995152.3/33

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 604039.1/16

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

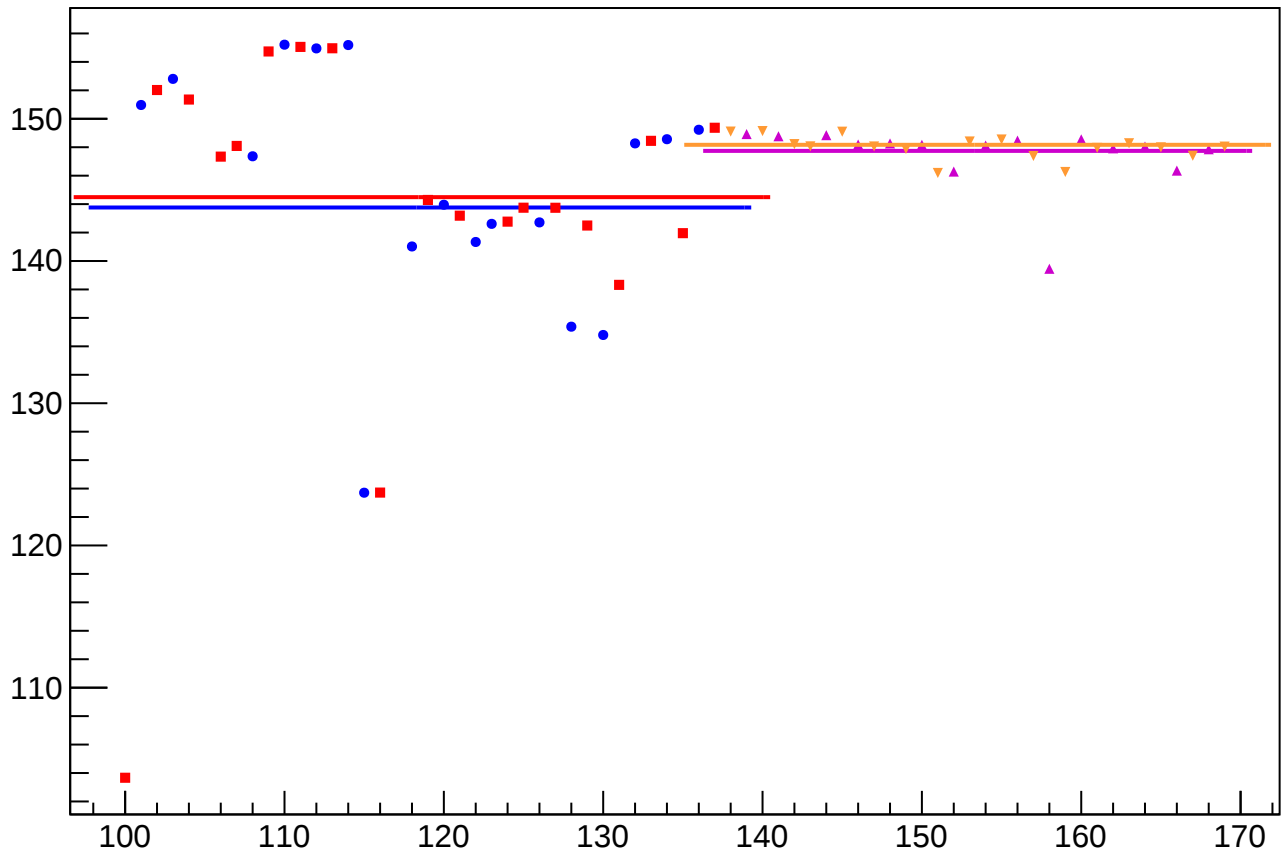
Left In: 0.000+/-0.000 χ^2/NDF : 812422.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 1298138.2/33

All: 0.000+/-0.000 χ^2/NDF : 2638505.3/67

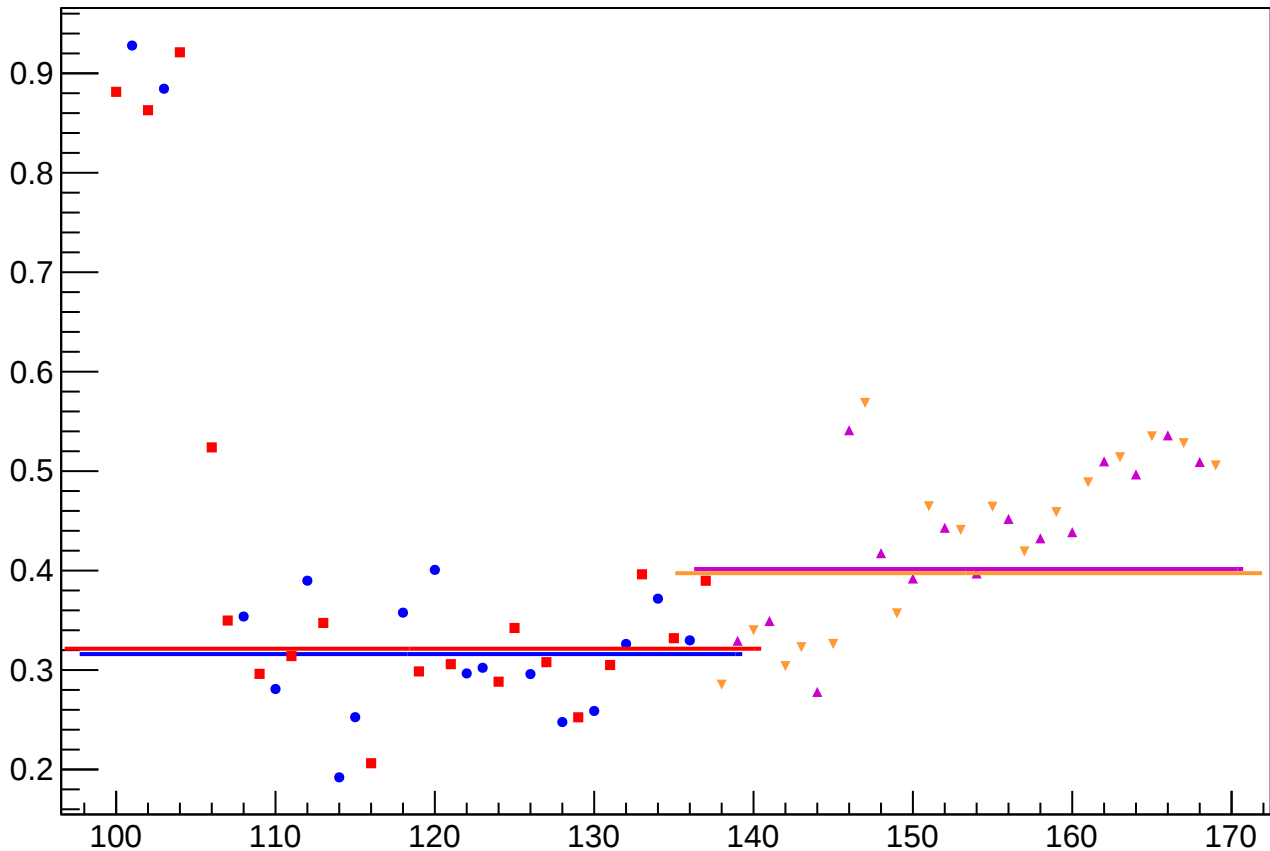
- sign 0.000+/-0.000 χ^2/NDF : 1295698.1/33

yield_bcm_an_ds_mean vs Slug



Right In: 143.763+/-0.000	χ^2/NDF : 3534699505.1/16	+ sign 146.280+/-0.000	χ^2/NDF : 4204146412.0/33
Left Out: 148.170+/-0.000	χ^2/NDF : 52457549.5/16	All: 146.270+/-0.000	χ^2/NDF : 9038065524.7
Right Out: 144.490+/-0.000	χ^2/NDF : 4182548232.5/18	- sign 146.259+/-0.000	χ^2/NDF : 4833891267.0/33
Left In: 147.743+/-0.000	χ^2/NDF : 325231534.1/14		

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 ± 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.397 ± 0.000 χ^2/NDF : 1118082.8/16

Right Out: 0.321 ± 0.000 χ^2/NDF : 1219073.9/18

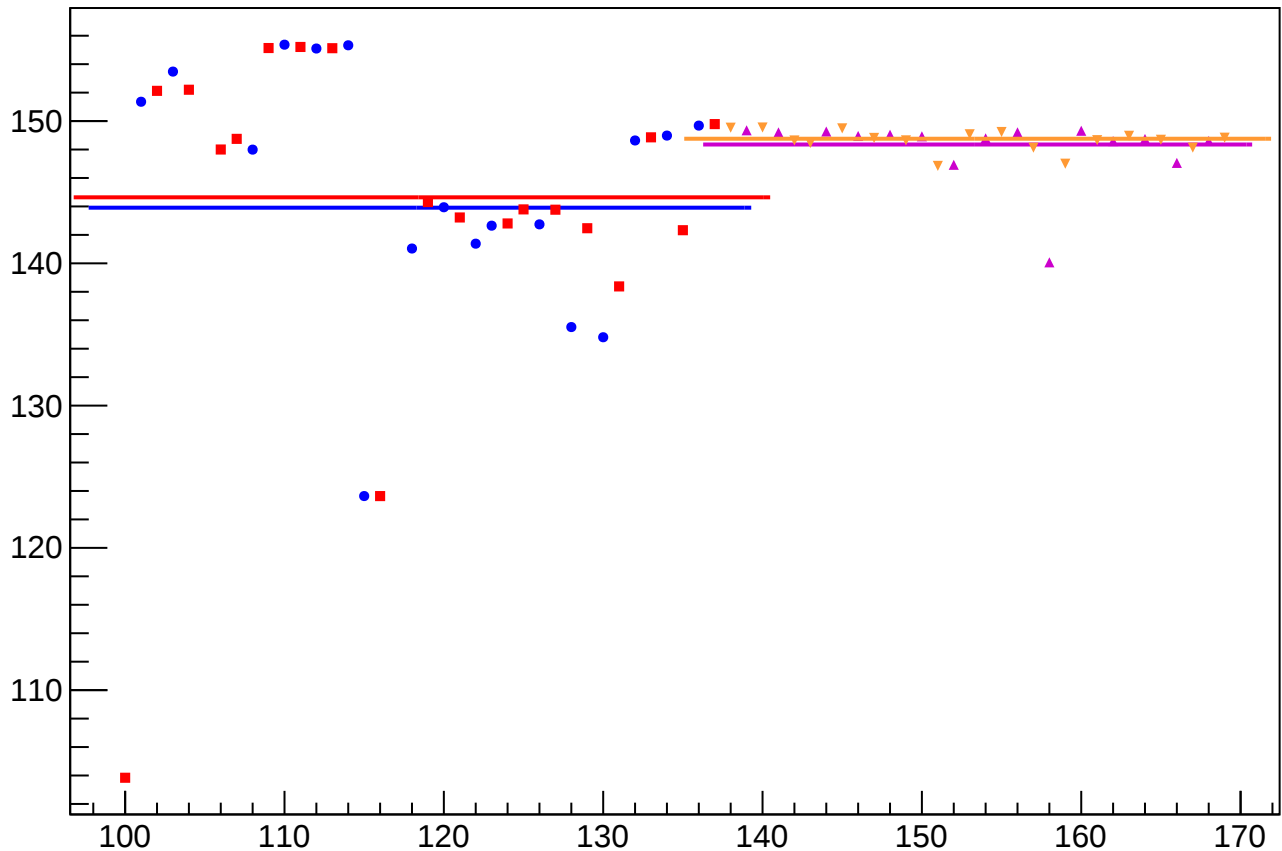
Left In: 0.402 ± 0.000 χ^2/NDF : 843089.3/14

+ sign 0.363 ± 0.000 χ^2/NDF : 2804503.7/33

All: 0.364 ± 0.000 χ^2/NDF : 5263592.1/67

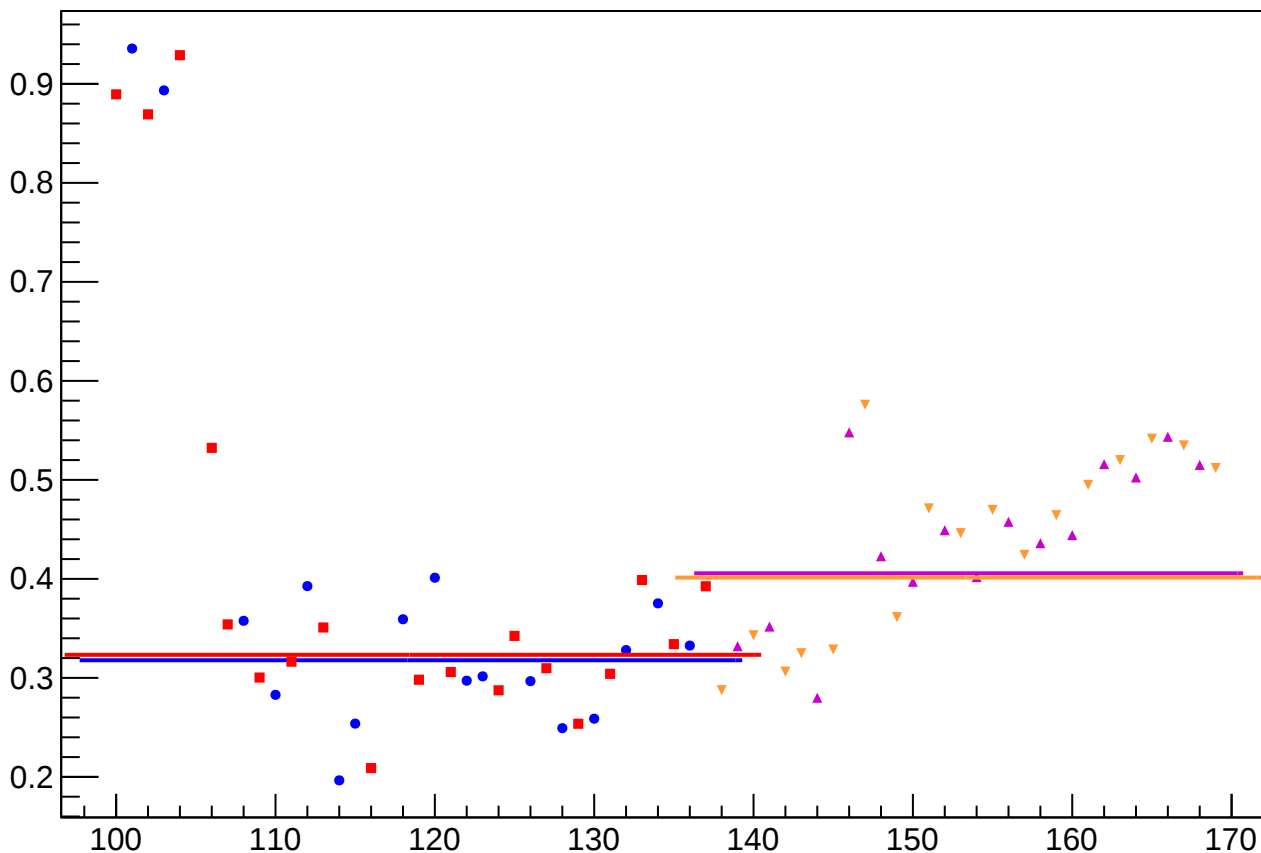
- sign 0.365 ± 0.000 χ^2/NDF : 2458263.4/33

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000	χ^2 /NDF: 3587769790.2/16	+ sign 146.669 $\pm$ 0.000	χ^2 /NDF: 4363311232.8/33
Left Out: 148.758 $\pm$ 0.000	χ^2 /NDF: 40904914.0/16	All: 146.660 $\pm$ 0.000	χ^2 /NDF: 9305190451.7
Right Out: 144.640 $\pm$ 0.000	χ^2 /NDF: 4209610240.4/18	- sign 146.651 $\pm$ 0.000	χ^2 /NDF: 4941859565.6/33
Left In: 148.353 $\pm$ 0.000	χ^2 /NDF: 314101957.2/14		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.401 ± 0.000 χ^2/NDF : 1138705.9/16

Right Out: 0.323 ± 0.000 χ^2/NDF : 1222241.9/18

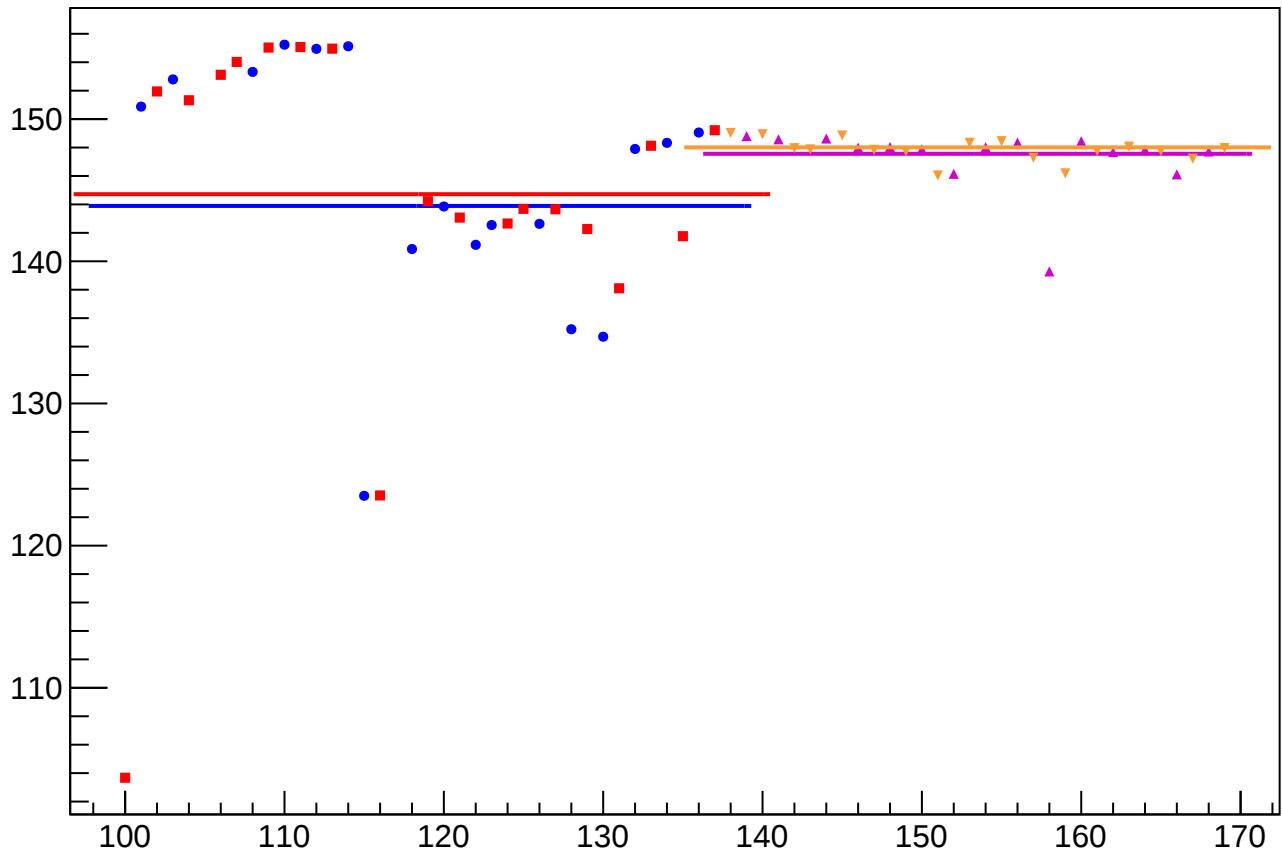
Left In: 0.406 ± 0.000 χ^2/NDF : 860418.2/14

+ sign 0.365 ± 0.000 χ^2/NDF : 2843197.1/33

All: 0.367 ± 0.000 χ^2/NDF : 5338087.5/67

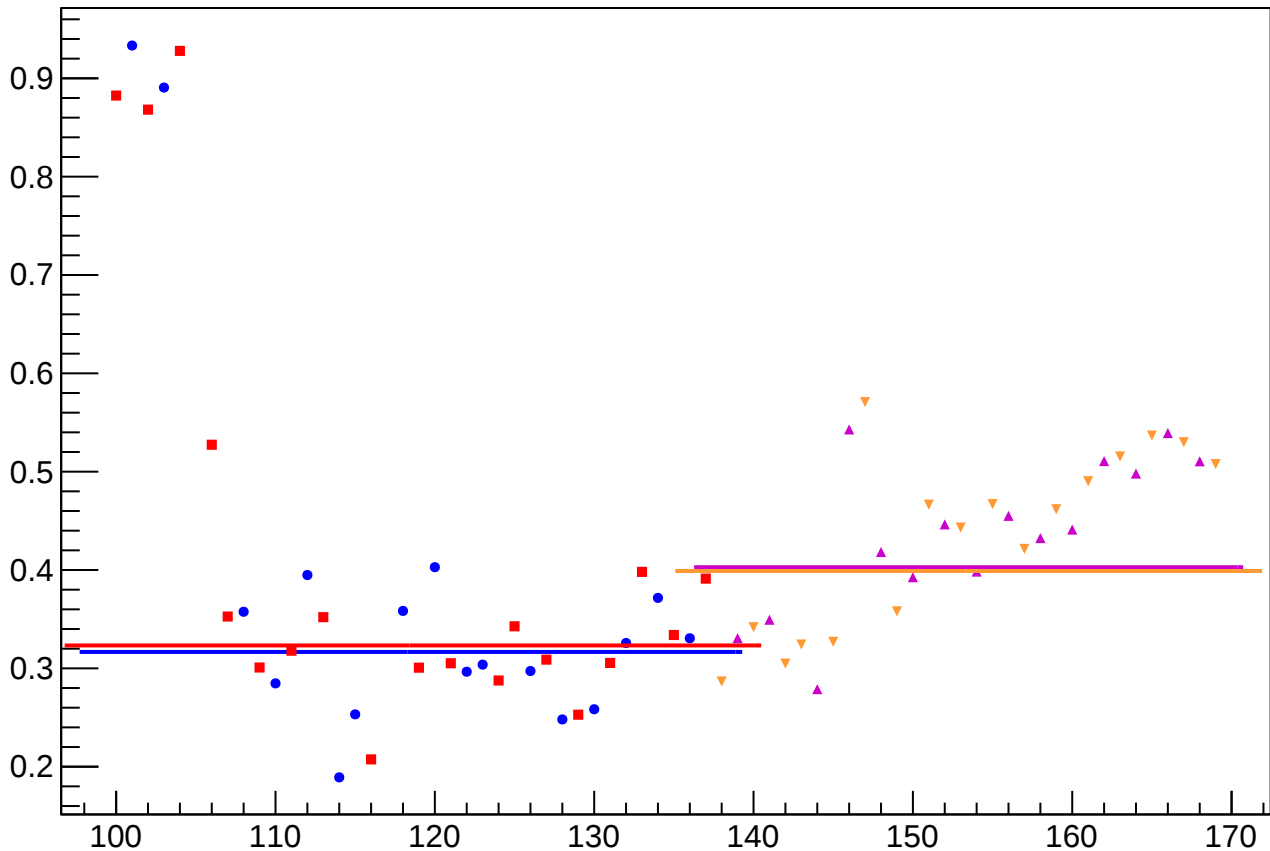
- sign 0.368 ± 0.000 χ^2/NDF : 2494050.4/33

yield_bcm_an_us_mean vs Slug



Right In: 143.893+/-0.000	χ^2/NDF : 3752655677.2/16	+ sign 146.243+/-0.000	χ^2/NDF : 4338489238.9/33
Left Out: 148.012+/-0.000	χ^2/NDF : 50898464.9/16	All: 146.256+/-0.000	χ^2/NDF : 9382618241.0
Right Out: 144.719+/-0.000	χ^2/NDF : 4473225884.5/18	- sign 146.268+/-0.000	χ^2/NDF : 5044089107.2/33
Left In: 147.561+/-0.000	χ^2/NDF : 324091008.8/14		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.399 ± 0.000 χ^2/NDF : 1118997.2/16

Right Out: 0.323 ± 0.000 χ^2/NDF : 1222784.7/18

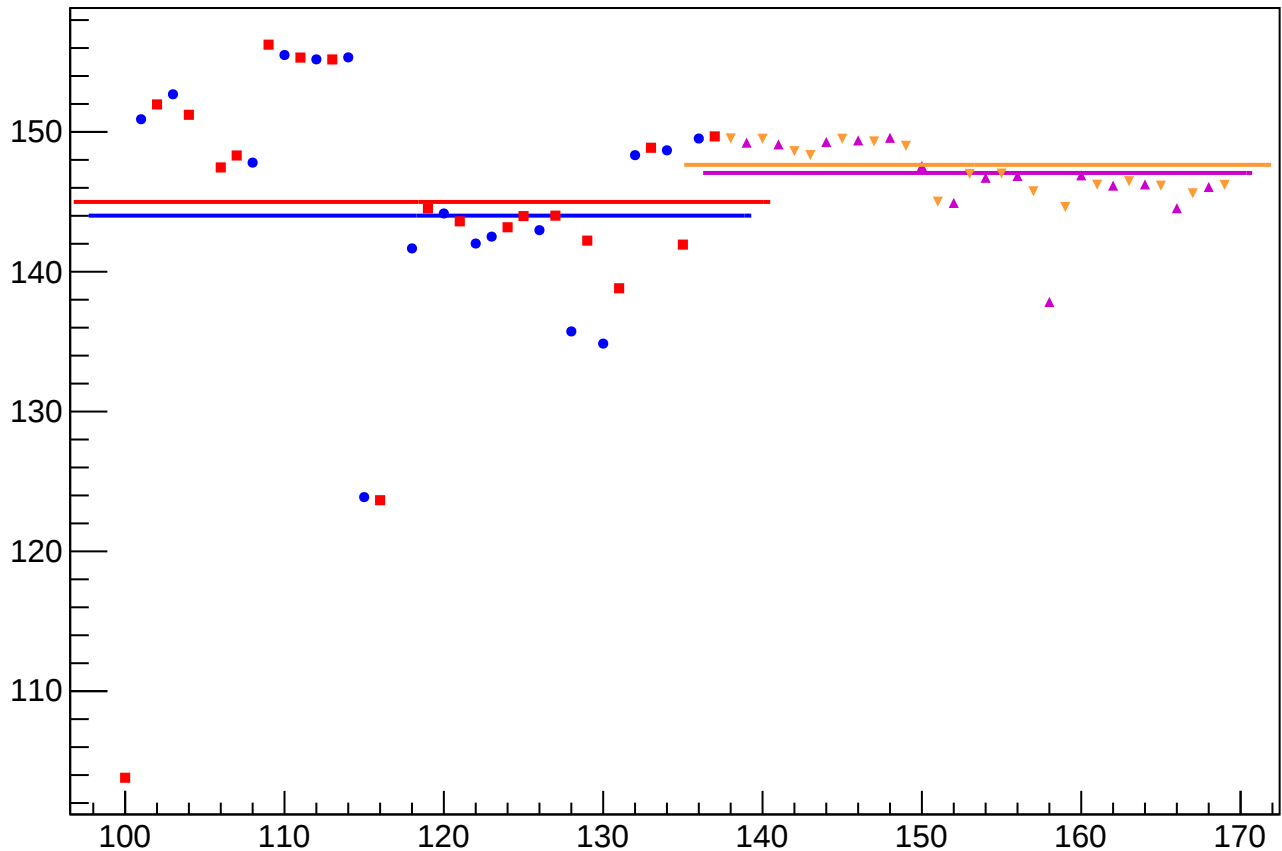
Left In: 0.403 ± 0.000 χ^2/NDF : 847216.9/14

+ sign 0.364 ± 0.000 χ^2/NDF : 2826876.1/33

All: 0.365 ± 0.000 χ^2/NDF : 5284558.8/67

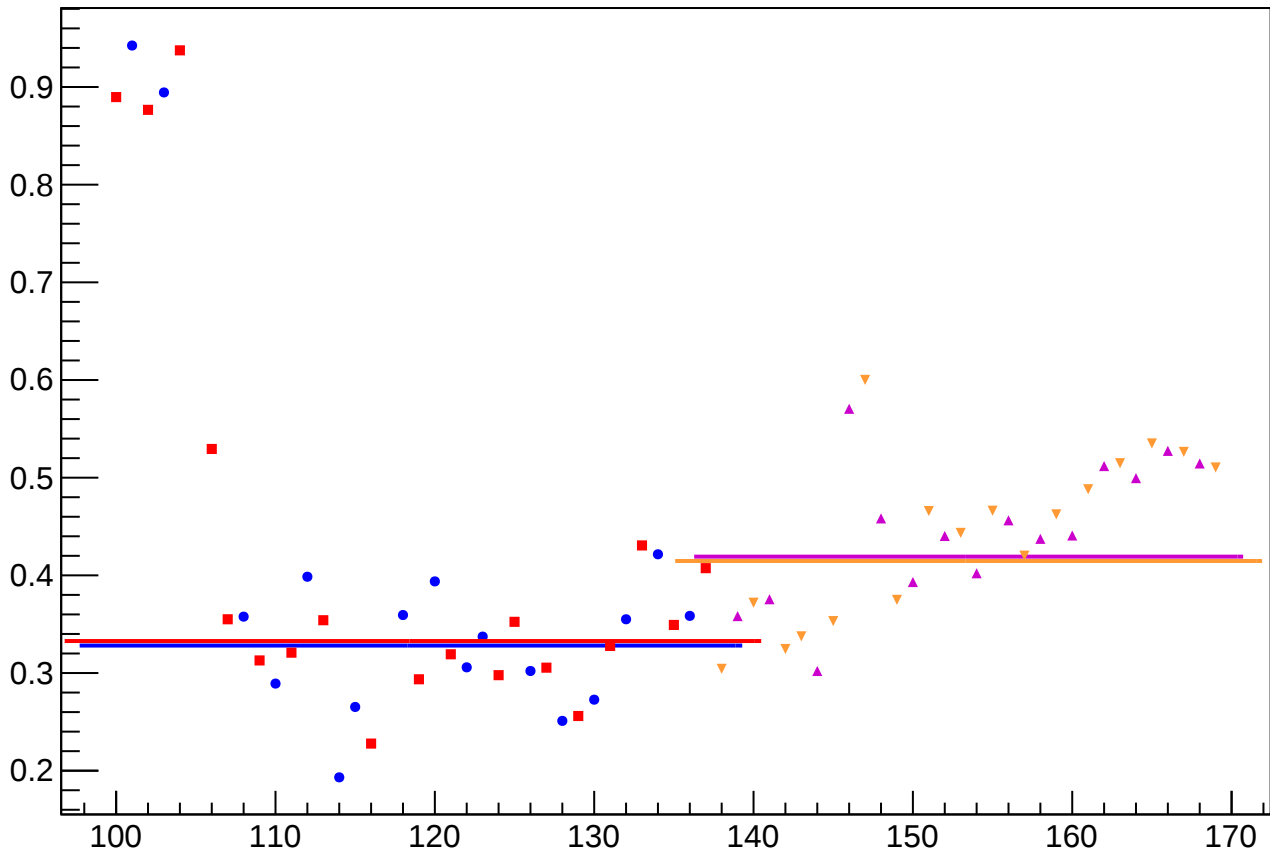
- sign 0.367 ± 0.000 χ^2/NDF : 2456566.1/33

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000	χ^2 /NDF: 3241696920.3/16	+ sign 146.089 $\pm$ 0.000	χ^2 /NDF: 3825390656.3/33
Left Out: 147.646 $\pm$ 0.000	χ^2 /NDF: 196314086.0/16	All: 146.103 $\pm$ 0.000	χ^2 /NDF: 8303850619.4
Right Out: 144.994 $\pm$ 0.000	χ^2 /NDF: 3852381452.1/18	- sign 146.117 $\pm$ 0.000	χ^2 /NDF: 4478415280.4/33
Left In: 147.066 $\pm$ 0.000	χ^2 /NDF: 503106441.4/14		

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.415 ± 0.000 χ^2/NDF : 870580.3/16

Right Out: 0.333 ± 0.000 χ^2/NDF : 1185129.6/18

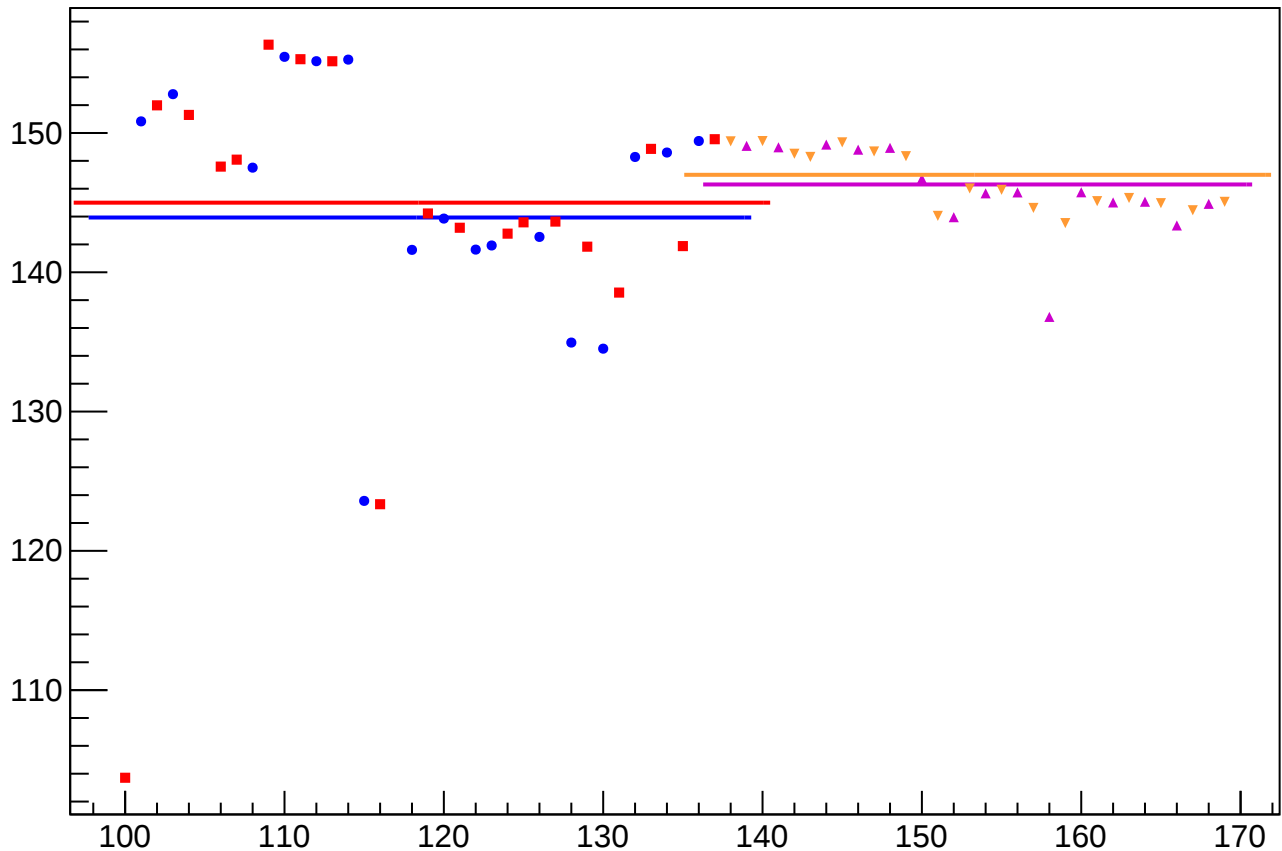
Left In: 0.419 ± 0.000 χ^2/NDF : 641519.2/14

+ sign 0.378 ± 0.000 χ^2/NDF : 2576310.6/33

All: 0.379 ± 0.000 χ^2/NDF : 4830835.0/67

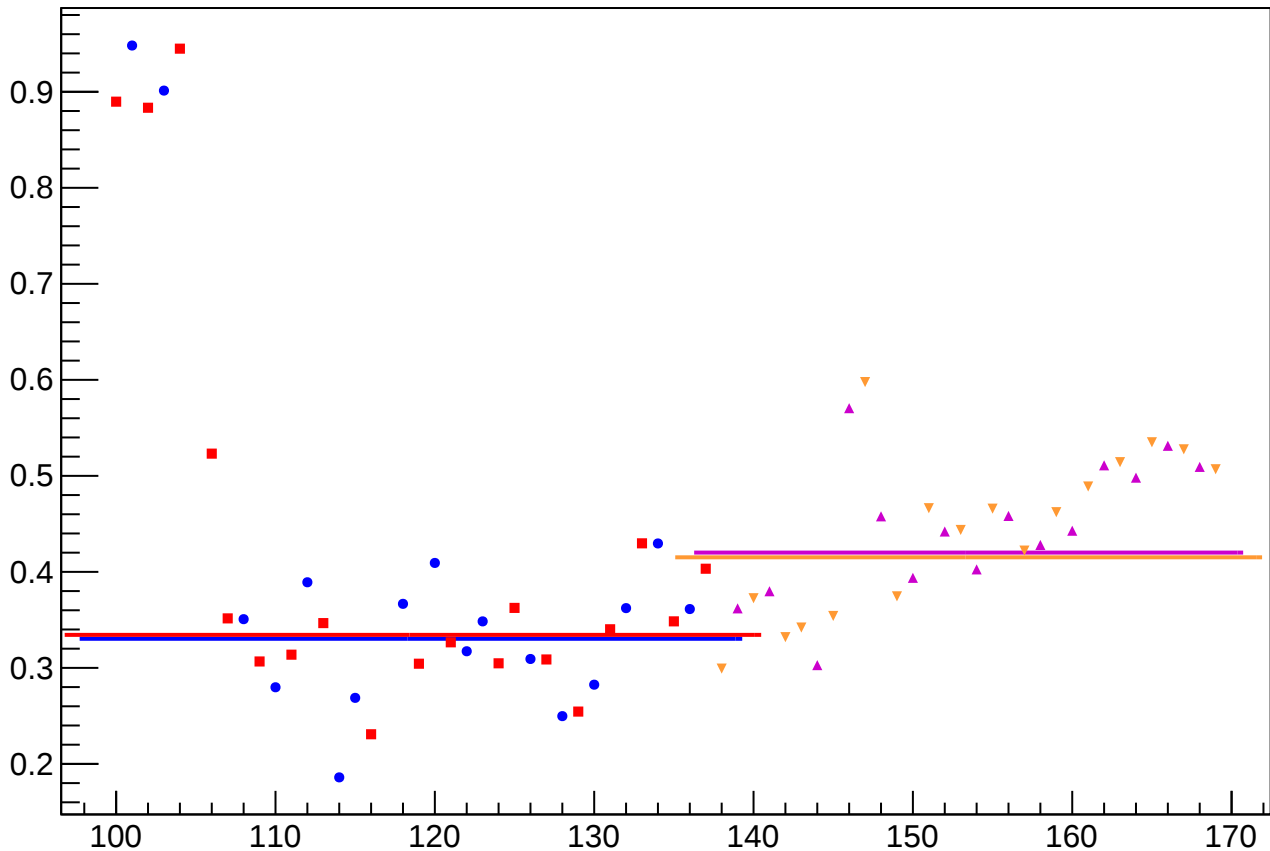
- sign 0.380 ± 0.000 χ^2/NDF : 2254062.2/33

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000	χ^2 /NDF: 3383012861.2/16	+ sign 145.695 $\pm$ 0.000	χ^2 /NDF: 3958546006.4/33
Left Out: 146.998 $\pm$ 0.000	χ^2 /NDF: 302902770.0/16	All: 145.702 $\pm$ 0.000	χ^2 /NDF: 8561222823.3
Right Out: 144.998 $\pm$ 0.000	χ^2 /NDF: 3932958476.0/18	- sign 145.708 $\pm$ 0.000	χ^2 /NDF: 4602666356.6/33
Left In: 146.305 $\pm$ 0.000	χ^2 /NDF: 621233633.6/14		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF:865206.7/16

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1174012.0/18

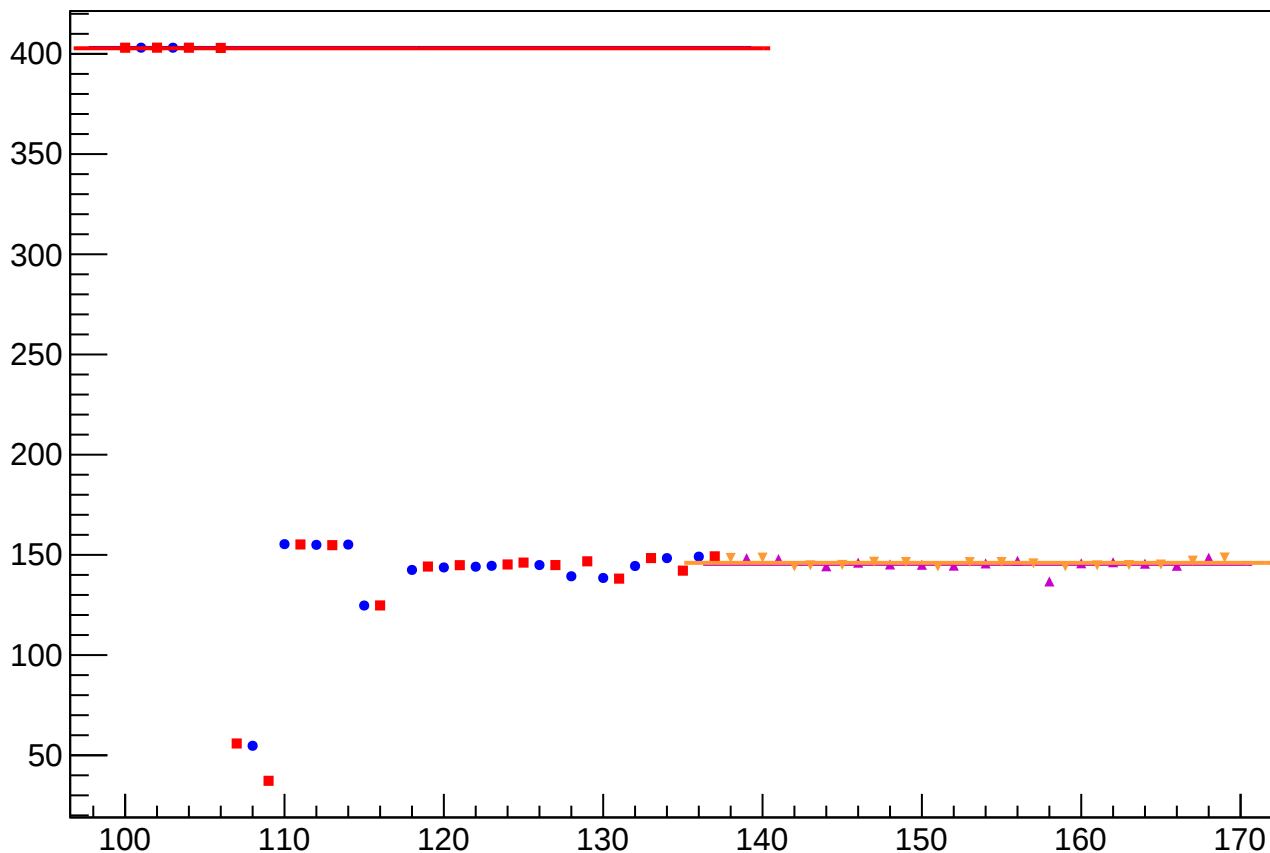
Left In: 0.420 $\pm$ 0.000 χ^2 /NDF:619950.8/14

+ sign 0.379 $\pm$ 0.000 χ^2 /NDF: 2566727.3/33

All: 0.380 $\pm$ 0.000 χ^2 /NDF: 4778051.6/67

- sign 0.381 $\pm$ 0.000 χ^2 /NDF: 2210907.9/33

yield_cav4bQ_mean vs Slug



Right In: 402.958 $\pm$ 0.000 χ^2 /NDF: 1094364588383.4/16

Left Out: 146.021 $\pm$ 0.000 χ^2 /NDF: 59865854.1/16

Right Out: 402.799 $\pm$ 0.000 χ^2 /NDF: 3102036567767.5/18

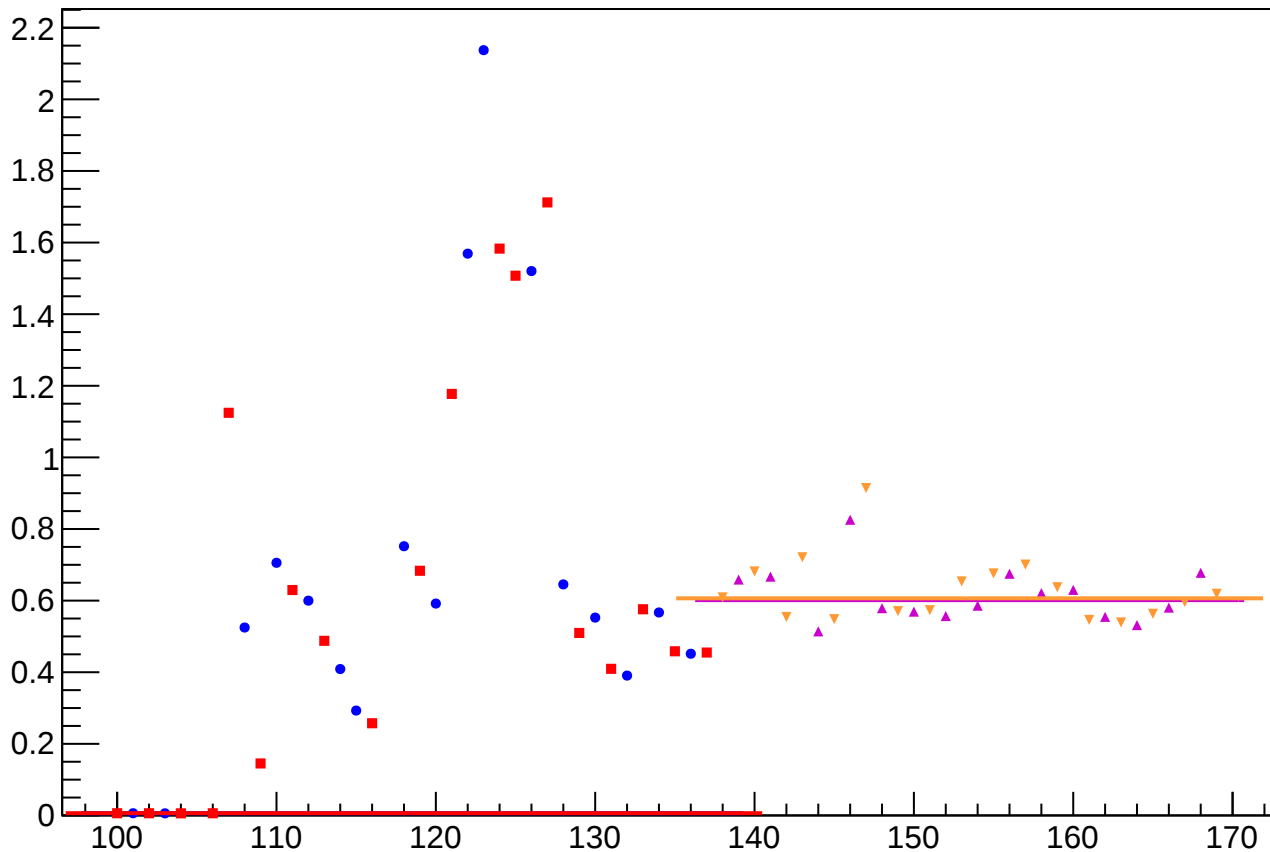
Left In: 145.514 $\pm$ 0.000 χ^2 /NDF: 148036411.3/14

+ sign 402.749 $\pm$ 0.000 χ^2 /NDF: 2766948270793.6

All: 402.684 $\pm$ 0.000 χ^2 /NDF: 742376000145

- sign 402.627 $\pm$ 0.000 χ^2 /NDF: 4656568718920.3

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.606+/-0.000 χ^2/NDF :255854.1/16

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

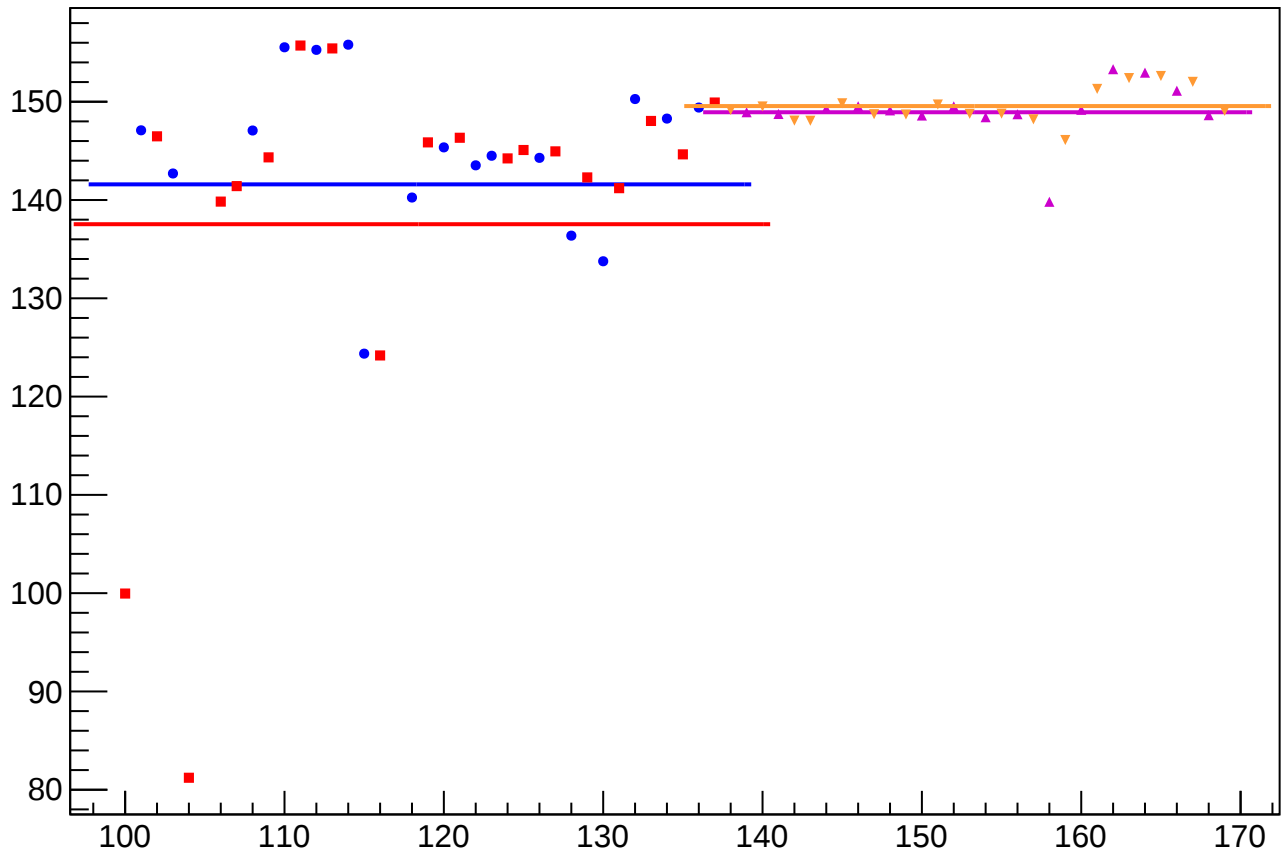
Left In: 0.601+/-0.000 χ^2/NDF :209468.4/14

+ sign 0.007+/-0.000 χ^2/NDF : 27581970.5/33

All: 0.007+/-0.000 χ^2/NDF : 53616074.9/67

- sign 0.007+/-0.000 χ^2/NDF : 26033759.3/33

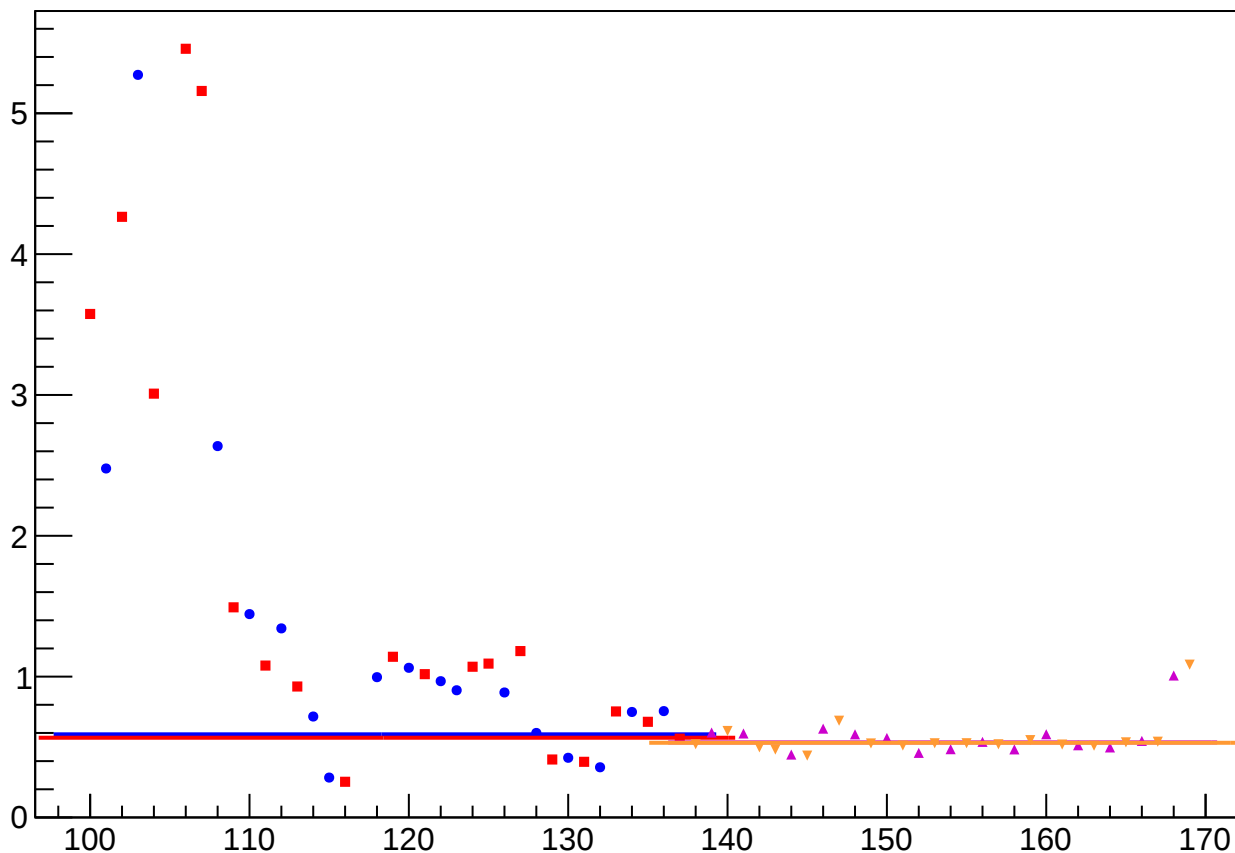
yield_cav4cQ_mean vs Slug



Right In: 141.593 ± 0.000 χ^2/NDF : 980101868.2/16
 Left Out: 149.558 ± 0.000 χ^2/NDF : 119792498.9/16
 Right Out: 137.539 ± 0.000 χ^2/NDF : 1316096307.7/18
 Left In: 148.930 ± 0.000 χ^2/NDF : 363114069.2/14

+ sign 147.926 ± 0.000 χ^2/NDF : 1609125897.3/33
 All: 147.148 ± 0.000 χ^2/NDF : 4412437857.1
 - sign 146.320 ± 0.000 χ^2/NDF : 2741692791.1/33

yield_cav4cQ_rms vs Slug



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.530 $\pm$ 0.000 χ^2 /NDF:527175.9/16

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

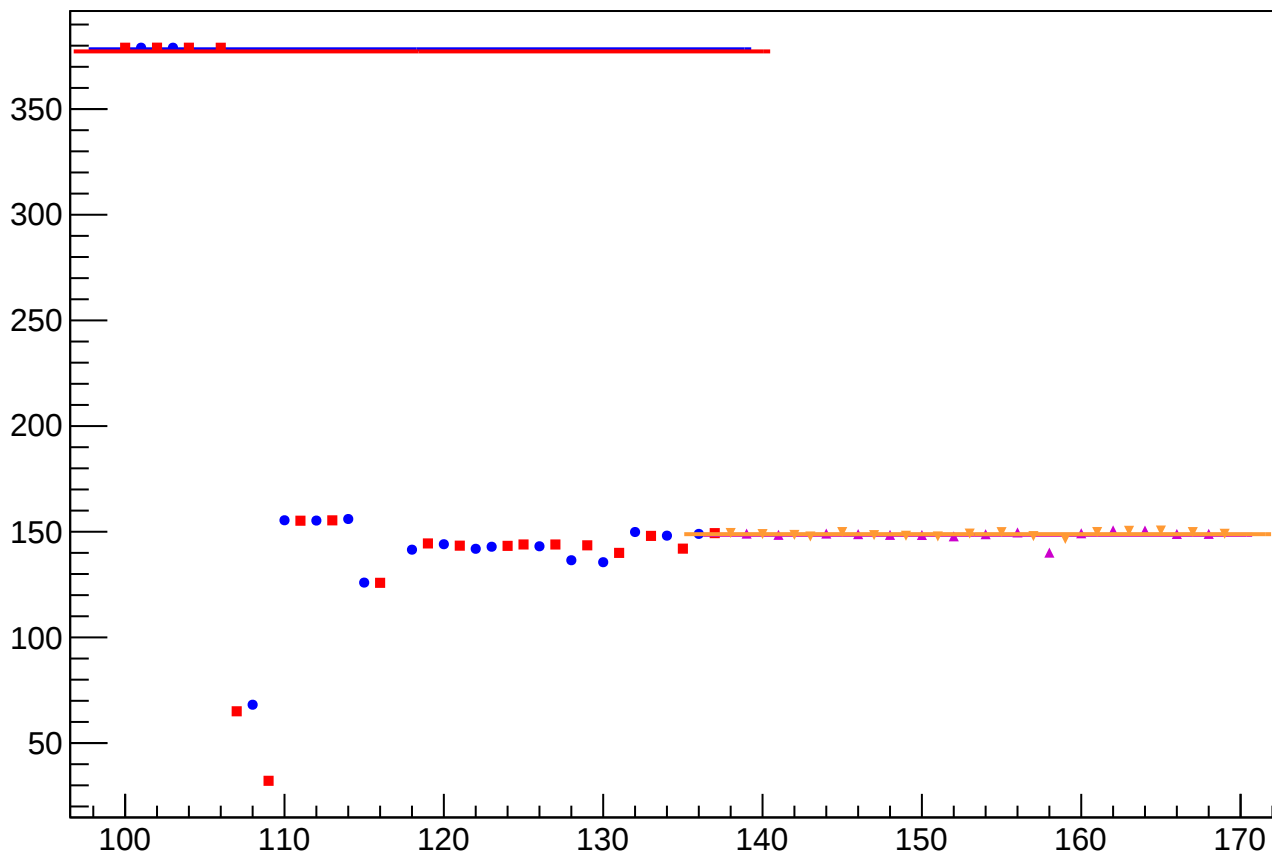
Left In: 0.533 $\pm$ 0.000 χ^2 /NDF:541979.0/14

+ sign 0.543 $\pm$ 0.000 χ^2 /NDF: 4076993.7/33

All: 0.542 $\pm$ 0.000 χ^2 /NDF: 9320665.9/67

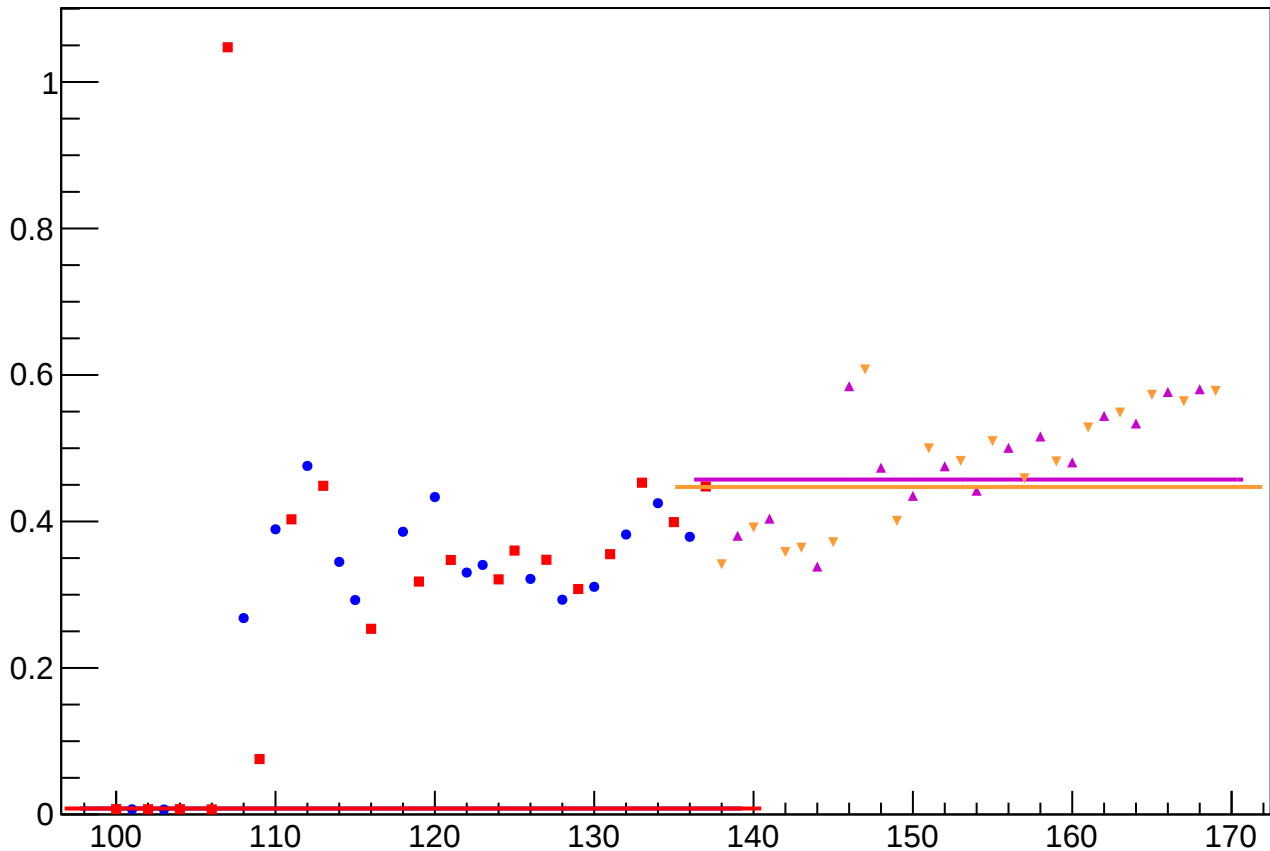
- sign 0.541 $\pm$ 0.000 χ^2 /NDF: 5243488.2/33

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000	χ^2/NDF : 2508313421453.8/16	+ sign 377.262+/-0.000	χ^2/NDF : 5626090844695.8
Left Out: 148.846+/-0.000	χ^2/NDF : 59999986.1/16	All: 376.852+/-0.000	χ^2/NDF : 16678906575
Right Out: 377.287+/-0.000	χ^2/NDF : 8286303106836.4/18	- sign 376.492+/-0.000	χ^2/NDF : 11048588741171.1
Left In: 148.539+/-0.000	χ^2/NDF : 233783749.3/14		

yield_cav4dQ_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.447 ± 0.000 χ^2/NDF : 818844.1/16

Right Out: 0.008 ± 0.000 χ^2/NDF : 9522827.2/18

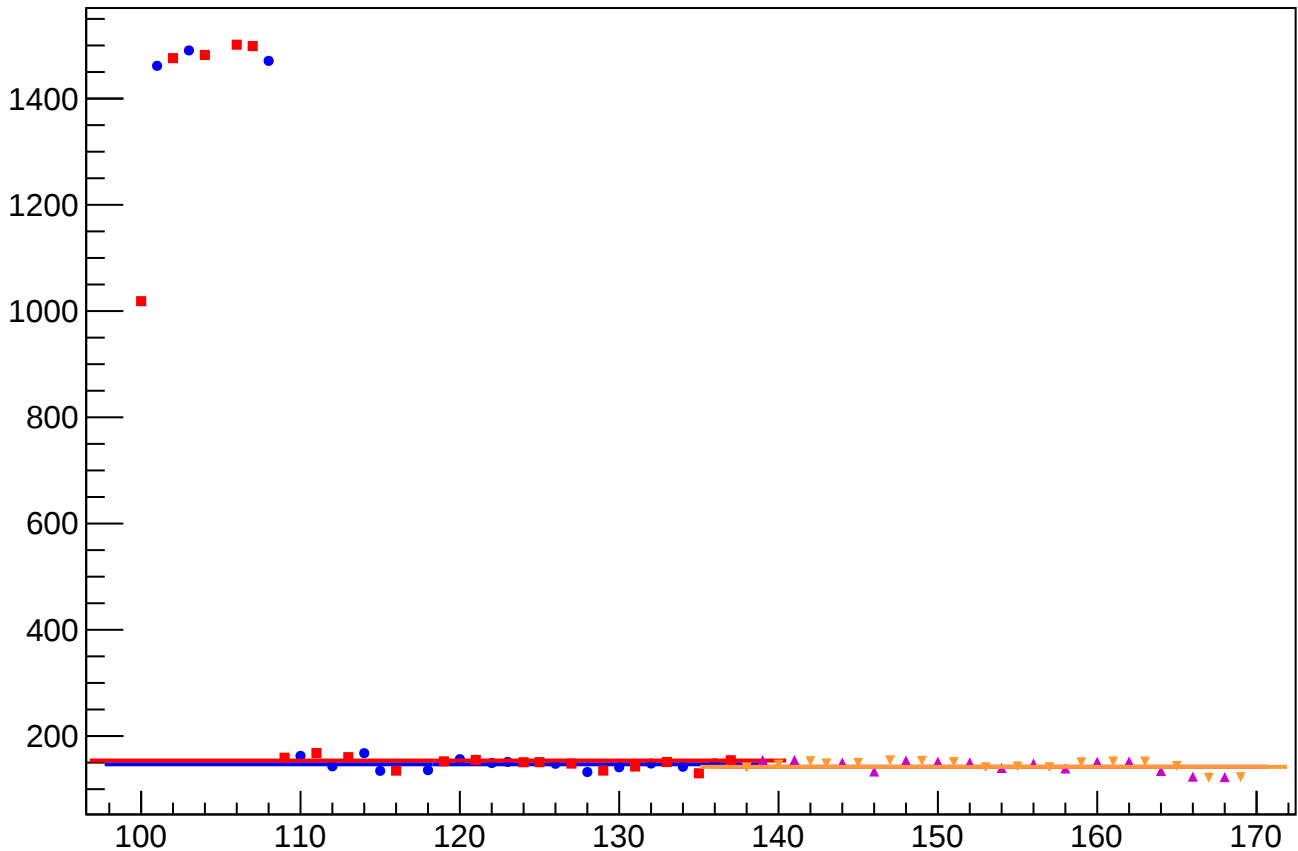
Left In: 0.457 ± 0.000 χ^2/NDF : 595877.9/14

+ sign 0.010 ± 0.000 χ^2/NDF : 33450637.8/33

All: 0.010 ± 0.000 χ^2/NDF : 64863202.5/67

- sign 0.010 ± 0.000 χ^2/NDF : 31410656.8/33

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 142.009+/-0.000 χ^2/NDF : 1866679144.1/16

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

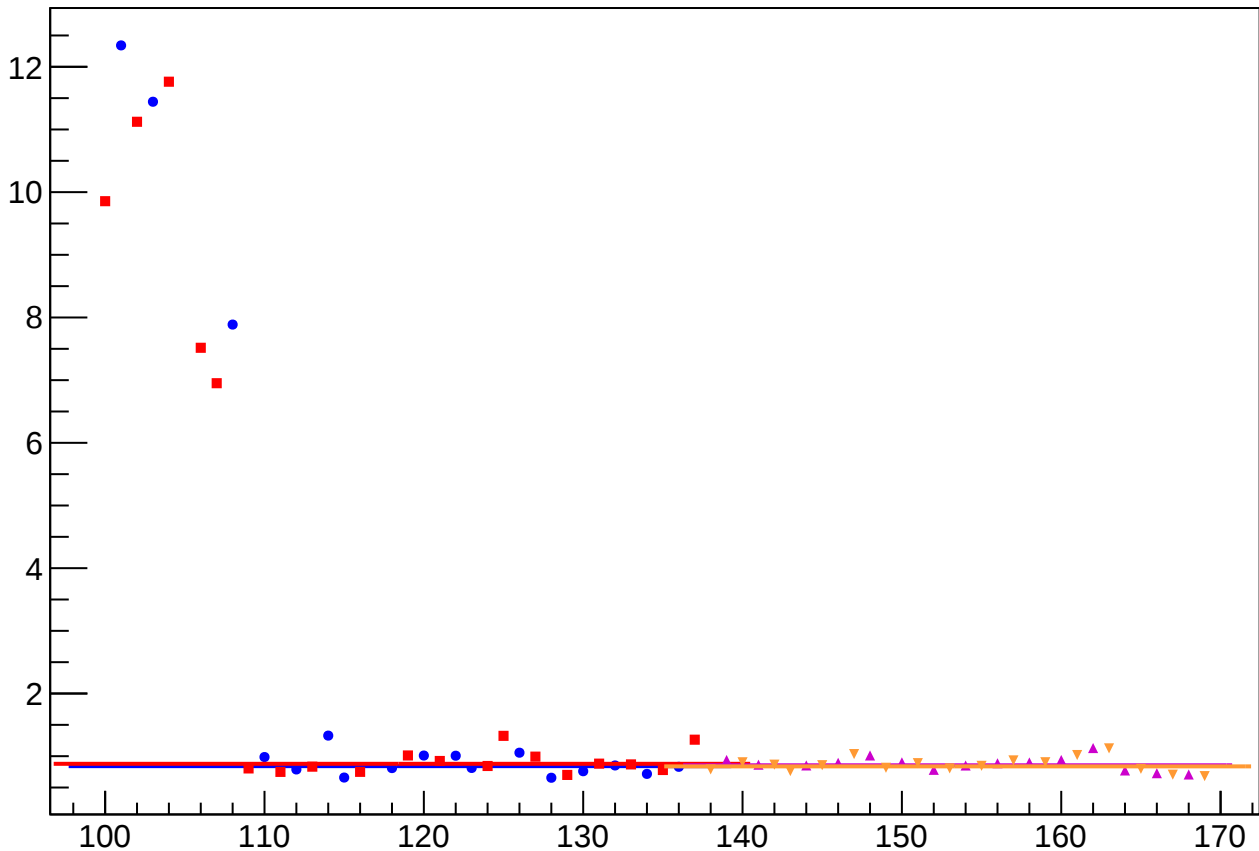
Left In: 142.189+/-0.000 χ^2/NDF : 1779416672.1/14

+ sign 143.296+/-0.000 χ^2/NDF : 26317687967.7/33

All: 144.383+/-0.000 χ^2/NDF : 62400161573.0

- sign 145.562+/-0.000 χ^2/NDF : 36033404142.2/33

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.837 ± 0.000 χ^2/NDF : 362016.5/16

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

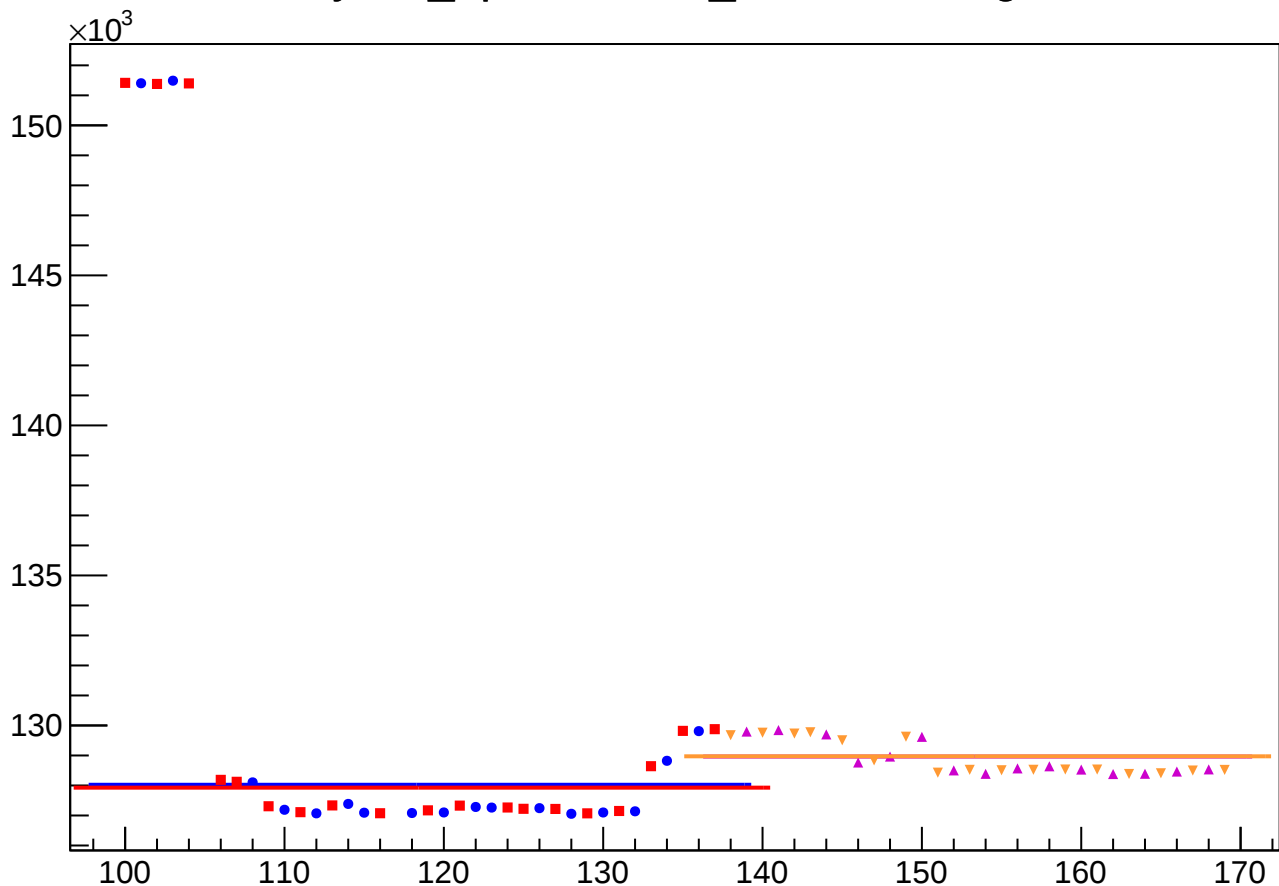
Left In: 0.855 ± 0.000 χ^2/NDF : 266509.7/14

+ sign 0.838 ± 0.000 χ^2/NDF : 3024522.2/33

All: 0.850 ± 0.000 χ^2/NDF : 6120086.7/67

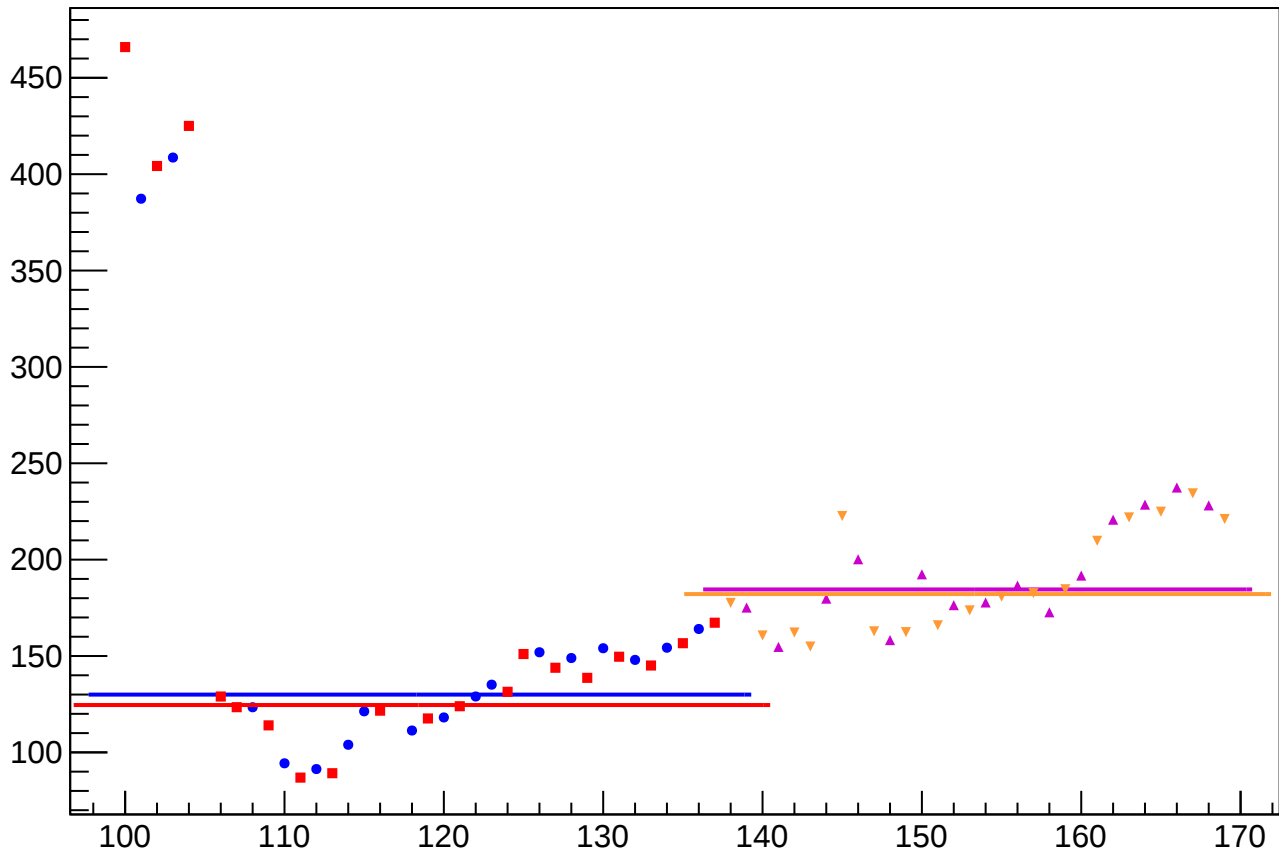
- sign 0.862 ± 0.000 χ^2/NDF : 3085244.5/33

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128972.100 $\pm$ 0.052 χ^2 /NDF: 121805763.3/16
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128963.763 $\pm$ 0.055 χ^2 /NDF: 107519504.7/14
 + sign 128522.101 $\pm$ 0.038 χ^2 /NDF: 4597346021.3
 All: 128462.155 $\pm$ 0.026 χ^2 /NDF: 86715143
 - sign 128403.919 $\pm$ 0.037 χ^2 /NDF: 4069147541.4

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 ± 0.039 χ^2/NDF : 1485519.5/16

Left Out: 182.131 ± 0.037 χ^2/NDF : 443595.7/16

Right Out: 124.566 ± 0.036 χ^2/NDF : 1531273.9/18

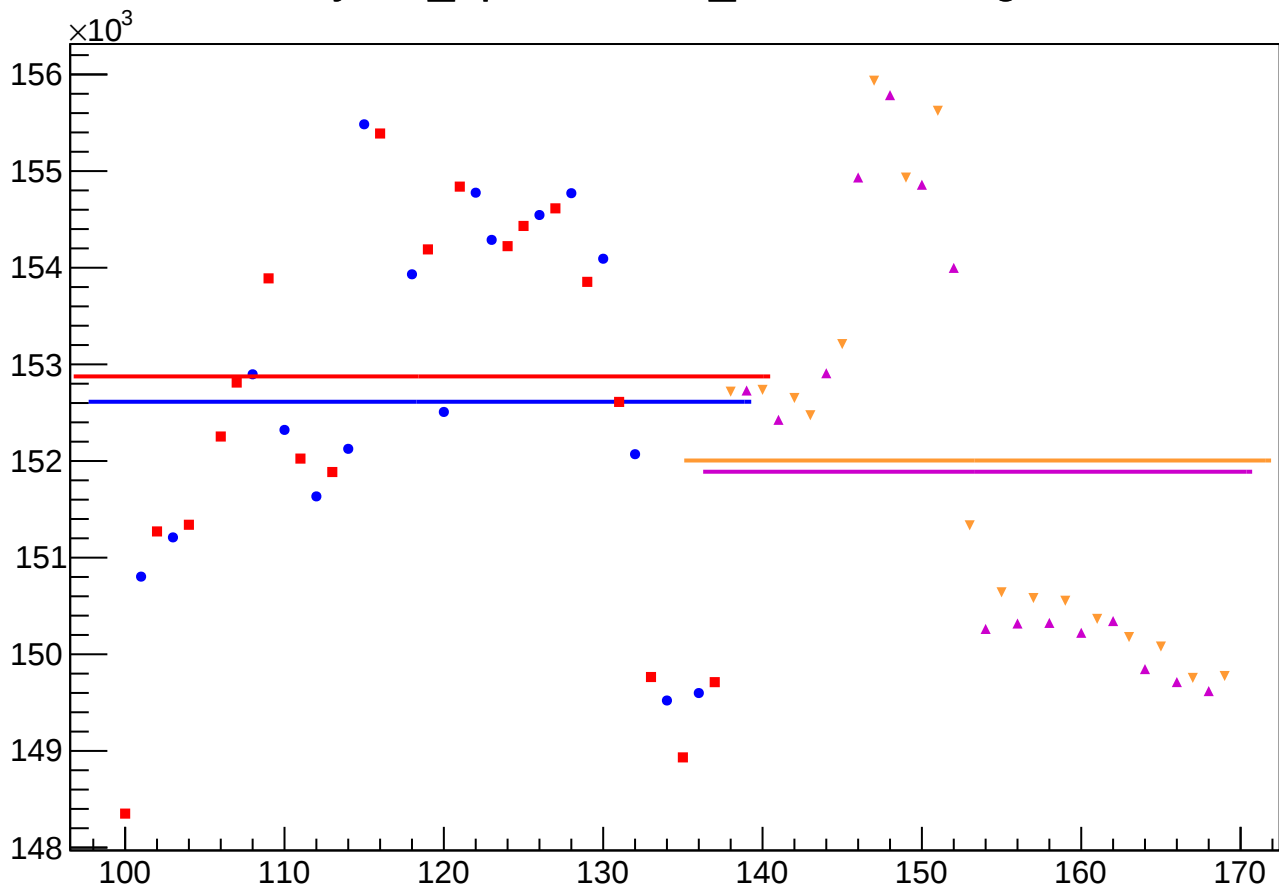
Left In: 184.544 ± 0.039 χ^2/NDF : 339826.1/14

+ sign 157.391 ± 0.027 χ^2/NDF : 2890316.5/33

All: 154.728 ± 0.019 χ^2/NDF : 6084813.0/67

- sign 152.141 ± 0.026 χ^2/NDF : 3174687.8/33

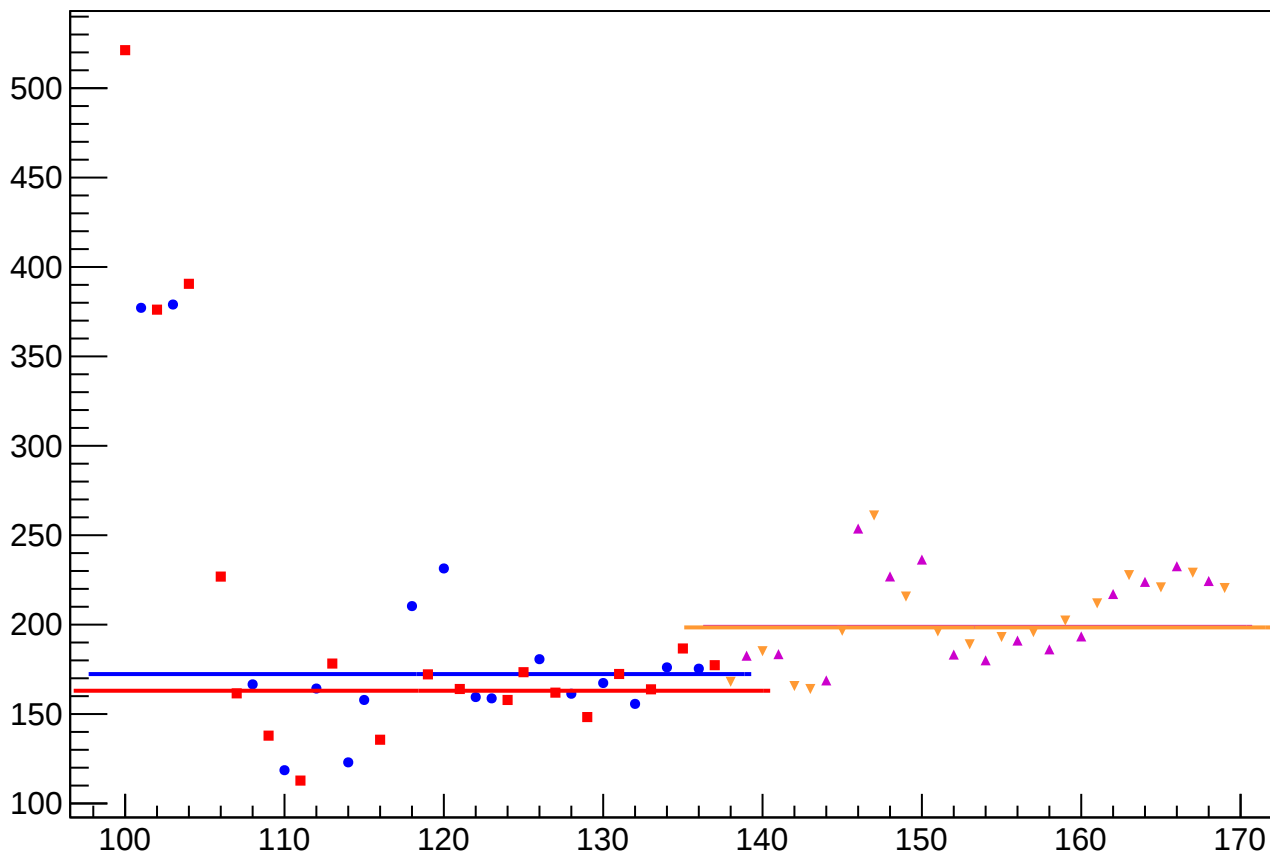
yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16
 Left Out: 152005.223 $\pm$ 0.056 χ^2 /NDF:1085604068.7/16
 Right Out: 152875.313 $\pm$ 0.066 χ^2 /NDF: 716358700.9/18
 Left In: 151889.019 $\pm$ 0.059 χ^2 /NDF:1093791782.2/14

+ sign 152235.812 $\pm$ 0.045 χ^2 /NDF: 1752879773.9
 All: 152280.921 $\pm$ 0.031 χ^2 /NDF: 368891867
 - sign 152325.032 $\pm$ 0.044 χ^2 /NDF: 1934007231.4/

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 χ^2/NDF : 921911.1/16

Left Out: 198.443 ± 0.040 χ^2/NDF : 338210.2/16

Right Out: 163.029 ± 0.047 χ^2/NDF : 1032736.0/18

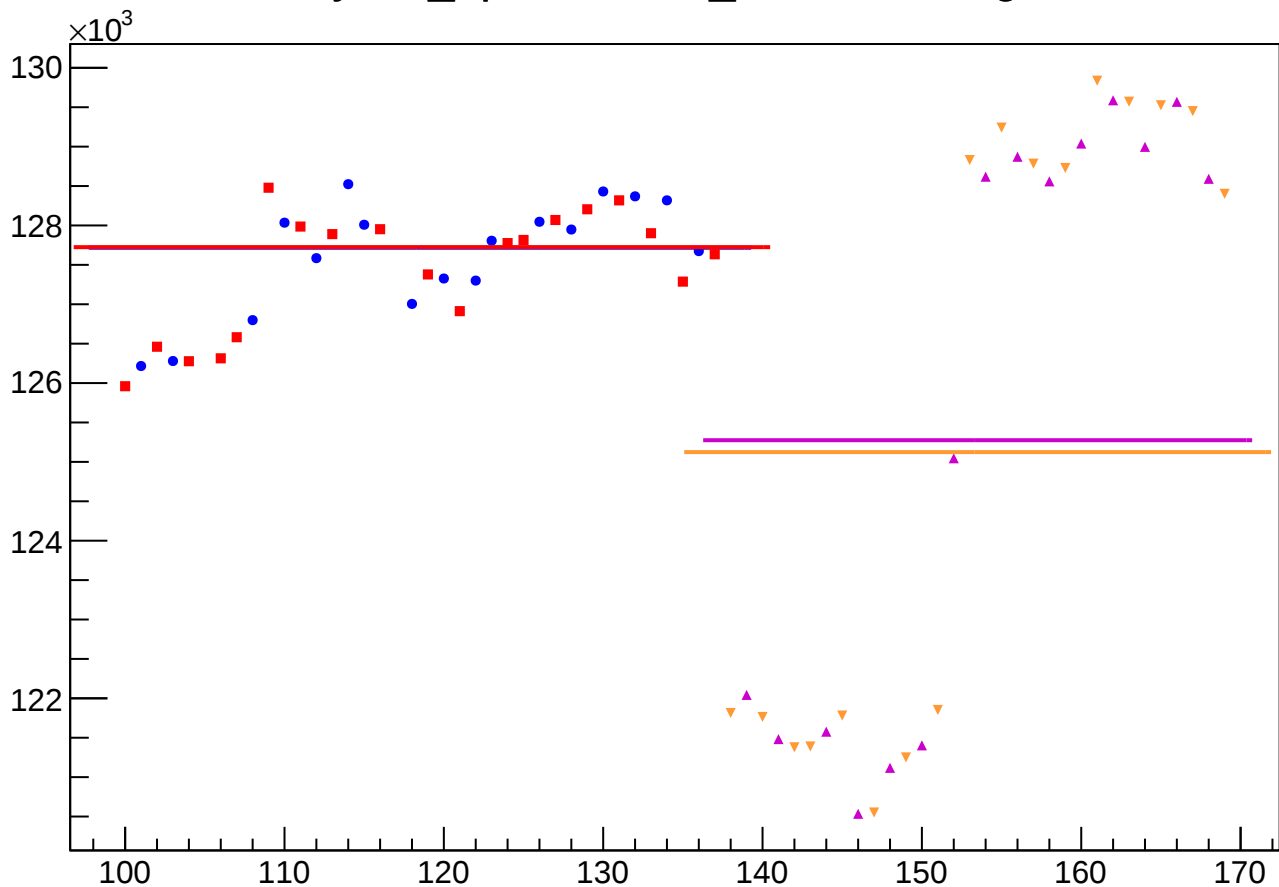
Left In: 198.755 ± 0.042 χ^2/NDF : 328357.8/14

+ sign 188.546 ± 0.031 χ^2/NDF : 1421946.7/33

All: 185.722 ± 0.022 χ^2/NDF : 3123958.6/67

- sign 182.961 ± 0.031 χ^2/NDF : 1686092.9/33

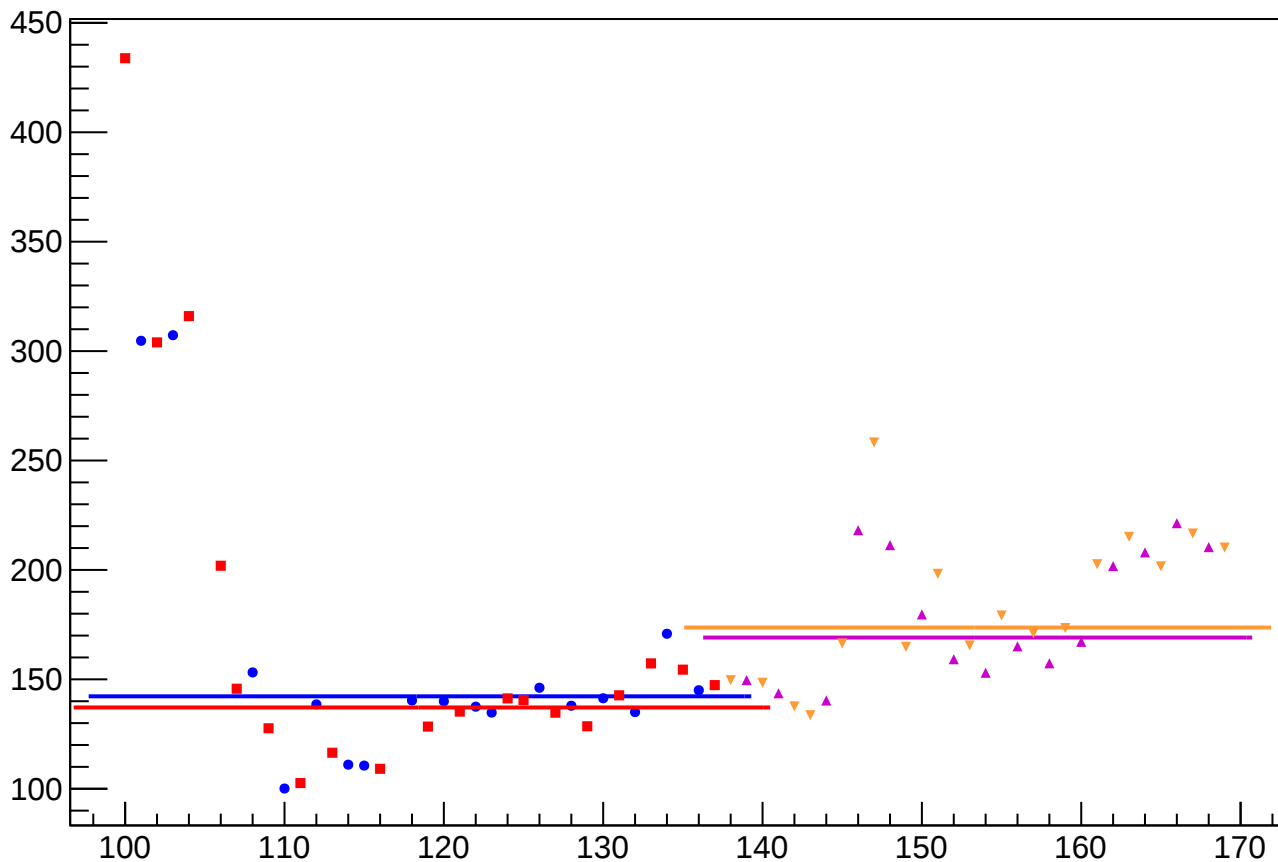
yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16
 Left Out: 125123.941 $\pm$ 0.050 χ^2 /NDF: 5739760162.4/16
 Right Out: 127724.519 $\pm$ 0.055 χ^2 /NDF: 112550604.4/18
 Left In: 125274.806 $\pm$ 0.051 χ^2 /NDF: 4995686795.5/14

+ sign 126224.649 $\pm$ 0.038 χ^2 /NDF: 6975144021.8
 All: 126318.146 $\pm$ 0.027 χ^2 /NDF: 131807477
 - sign 126407.279 $\pm$ 0.037 χ^2 /NDF: 6193758310.0

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 173.677 $\pm$ 0.035 χ^2 /NDF: 675825.2/16

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

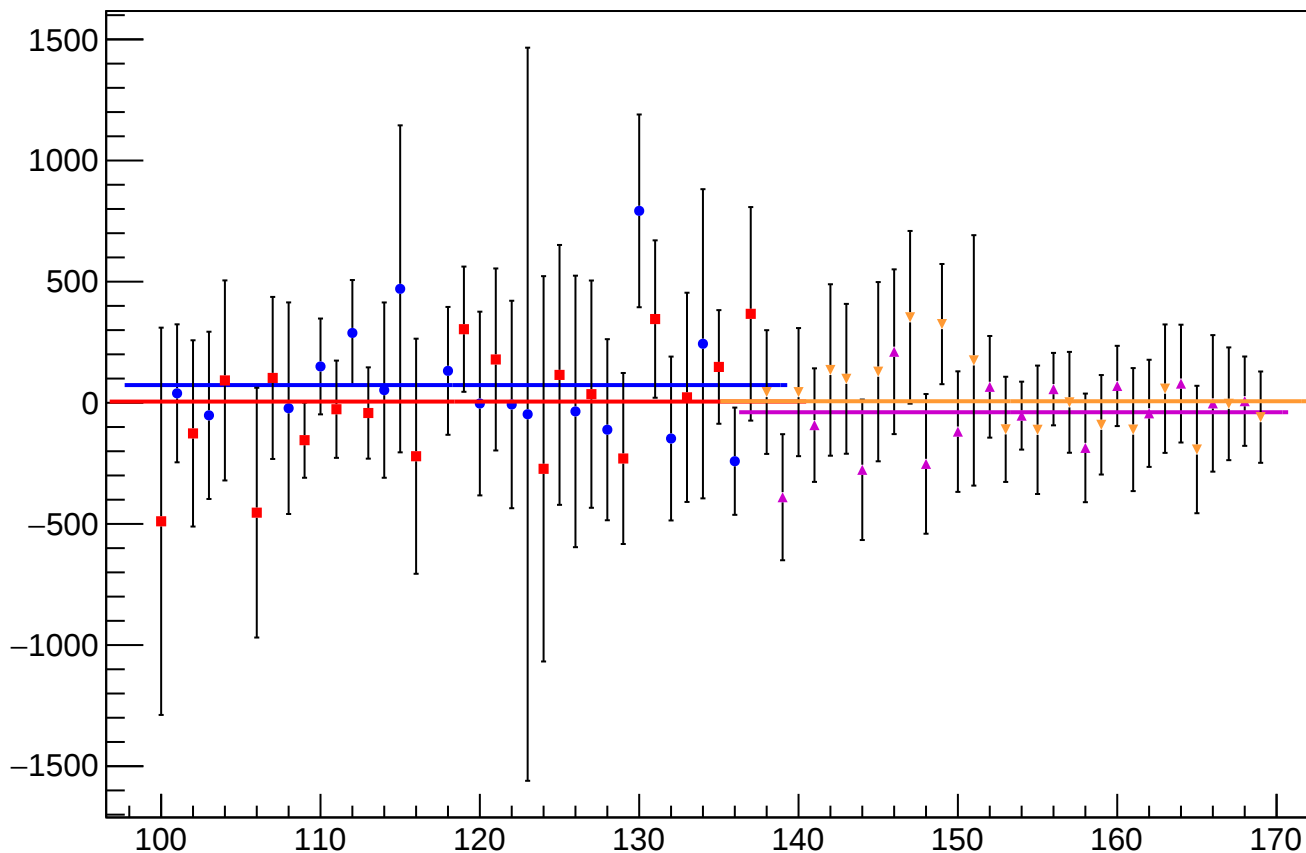
Left In: 169.094 $\pm$ 0.036 χ^2 /NDF: 532994.6/14

+ sign 160.337 $\pm$ 0.027 χ^2 /NDF: 1847190.7/33

All: 157.260 $\pm$ 0.019 χ^2 /NDF: 3732704.5/67

- sign 154.327 $\pm$ 0.026 χ^2 /NDF: 1859854.9/33

asym_bcm_an_ds_mean vs Slug



Right In: 73.109 ± 79.604 χ^2/NDF : 7.9/16

Left Out: 6.393 ± 62.461 χ^2/NDF : 4.7/16

Right Out: 5.021 ± 70.098 χ^2/NDF : 7.1/18

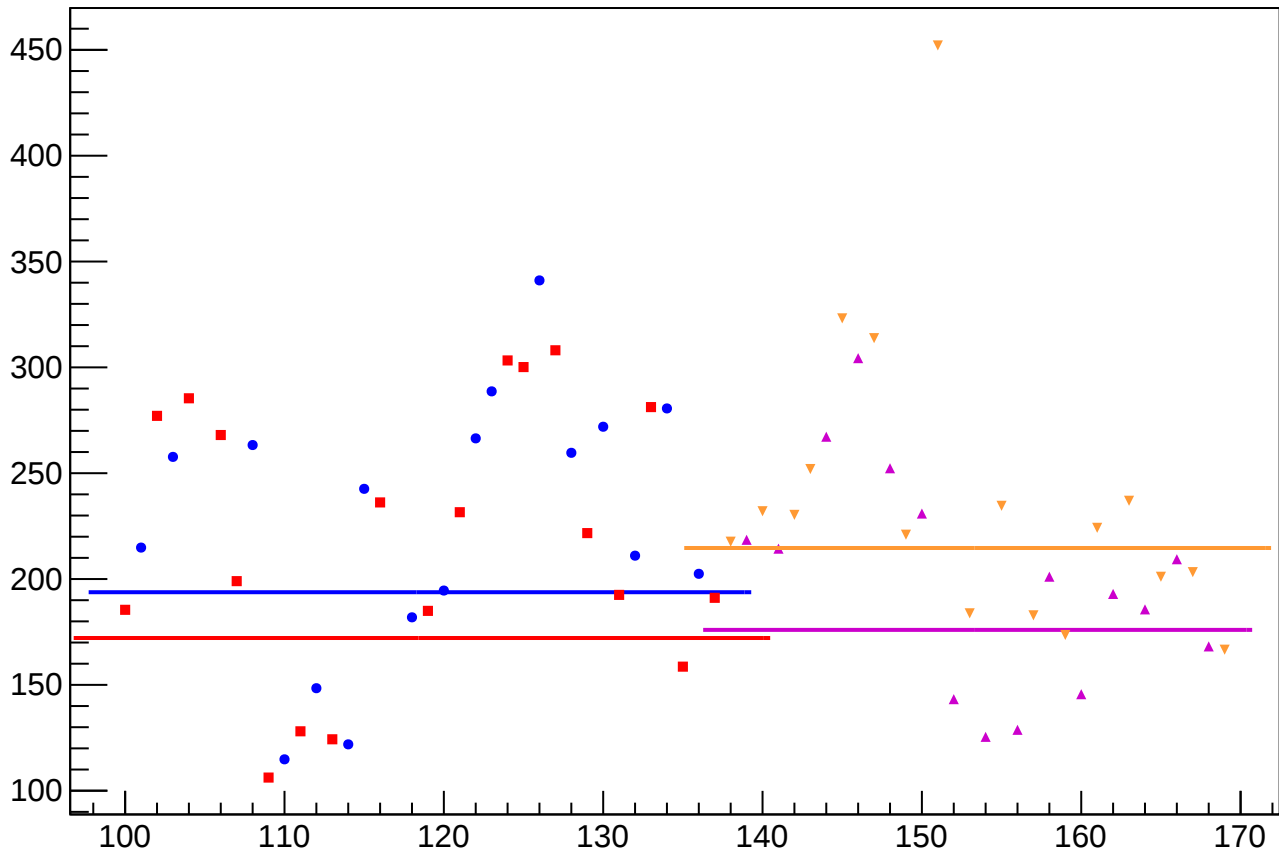
Left In: -38.967 ± 54.576 χ^2/NDF : 5.6/14

+ sign 31.816 ± 49.140 χ^2/NDF : 13.0/33

All: 1.169 ± 32.387 χ^2/NDF : 26.6/67

- sign -22.366 ± 43.063 χ^2/NDF : 12.9/33

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 214.665 $\pm$ 0.044 χ^2 /NDF:1127634.5/16

Right Out: 172.142 $\pm$ 0.050 χ^2 /NDF: 1580035.1/18

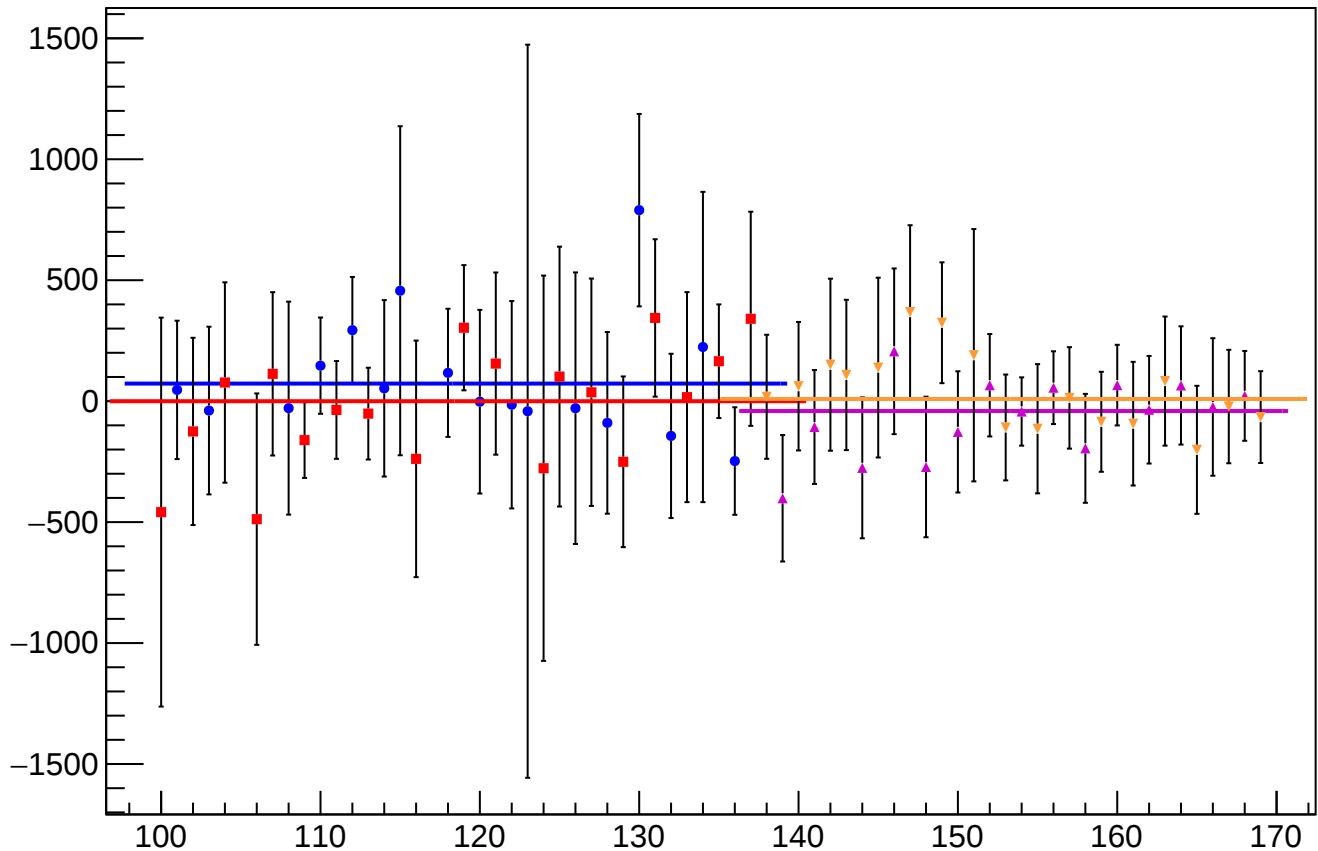
Left In: 175.980 $\pm$ 0.039 χ^2 /NDF:1475089.1/14

+ sign 206.704 $\pm$ 0.035 χ^2 /NDF: 2229983.1/33

All: 188.506 $\pm$ 0.023 χ^2 /NDF: 5773734.8/67

- sign 174.531 $\pm$ 0.030 χ^2 /NDF: 3058856.7/33

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675 ± 79.992 χ^2/NDF : 7.8/16

Left Out: 9.099 ± 62.870 χ^2/NDF : 4.9/16

Right Out: -0.181 ± 70.467 χ^2/NDF : 7.3/18

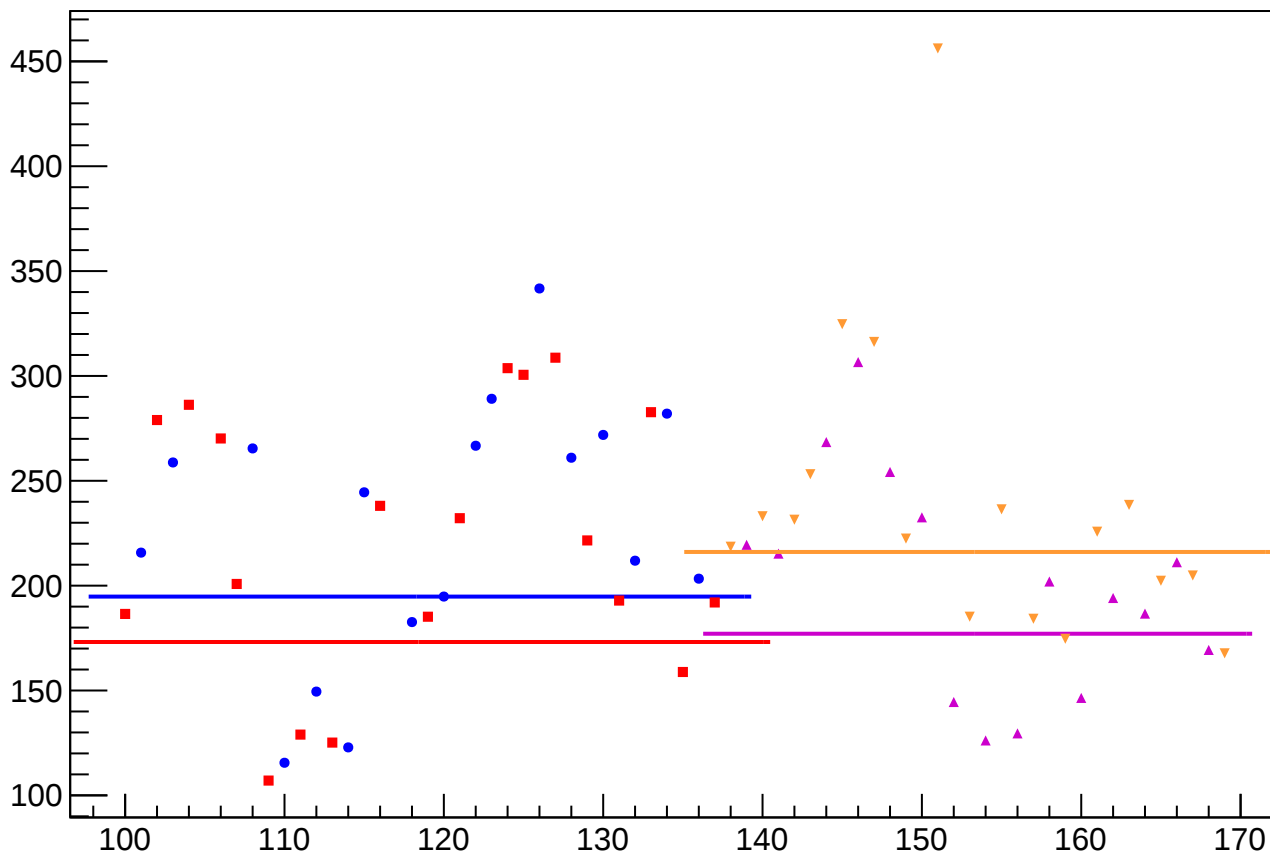
Left In: -40.748 ± 54.915 χ^2/NDF : 5.8/14

+ sign 33.375 ± 49.430 χ^2/NDF : 13.0/33

All: 0.118 ± 32.577 χ^2/NDF : 27.1/67

- sign -25.420 ± 43.315 χ^2/NDF : 13.2/33

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782+/-0.057 χ^2/NDF : 1008292.8/16

Left Out: 216.066+/-0.044 χ^2/NDF :1126626.3/16

Right Out: 173.131+/-0.050 χ^2/NDF : 1567556.0/18

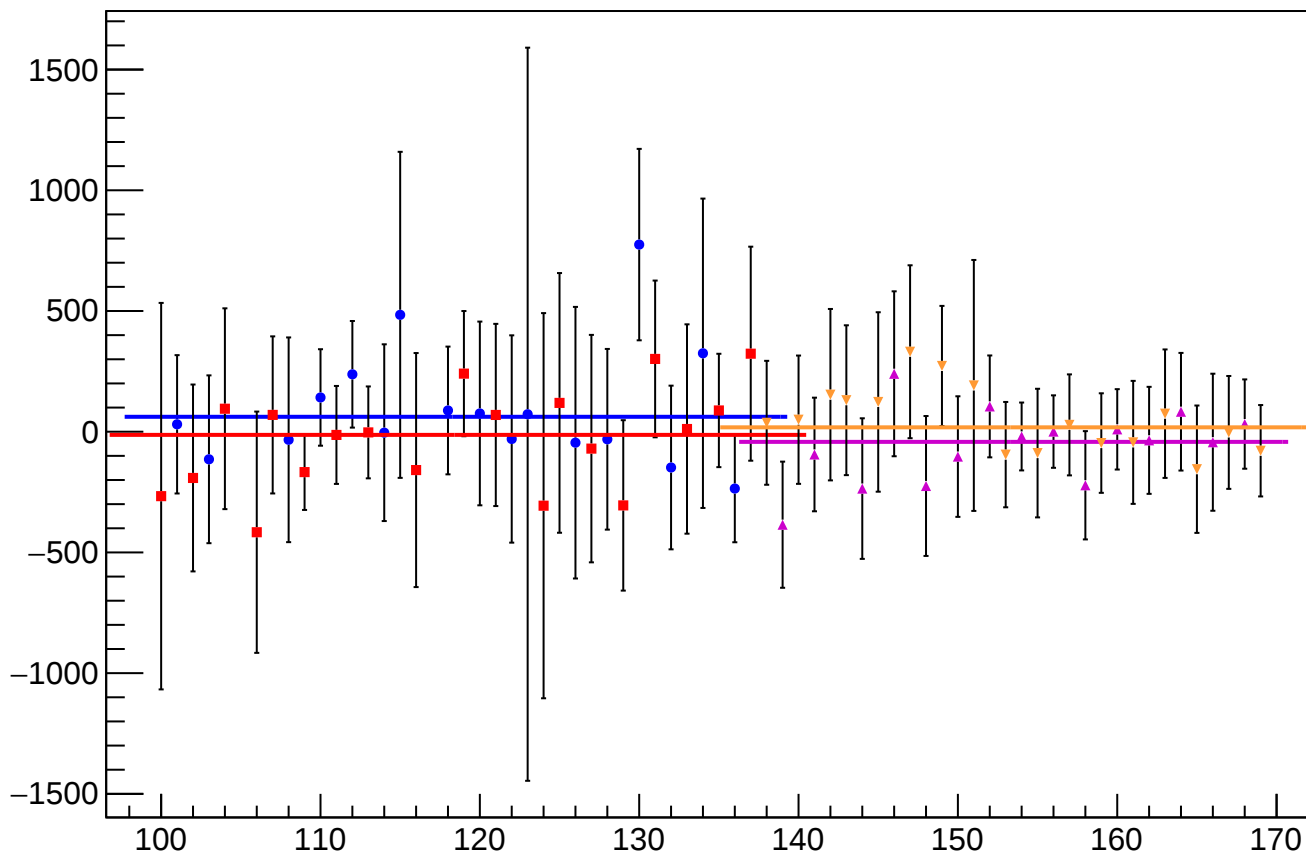
Left In: 177.071+/-0.039 χ^2/NDF :1473596.4/14

+ sign 207.939+/-0.035 χ^2/NDF : 2222444.9/33

All: 189.637+/-0.023 χ^2/NDF : 5752228.3/67

- sign 175.583+/-0.031 χ^2/NDF : 3045042.7/33

asym_bcm_an_us_mean vs Slug



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 18.155+/-62.724 χ^2/NDF : 3.6/16

Right Out: -13.101+/-70.391 χ^2/NDF : 5.8/18

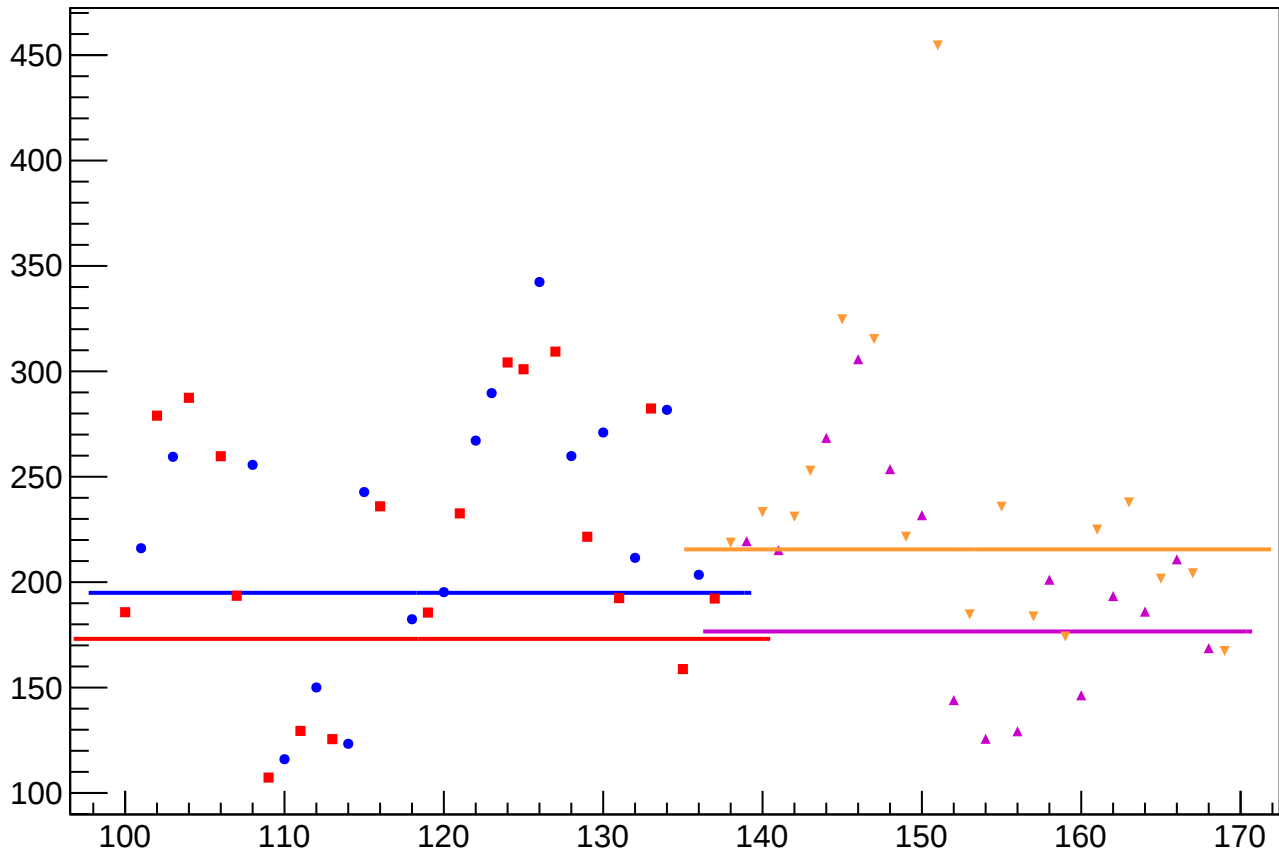
Left In: -42.057+/-54.774 χ^2/NDF : 5.1/14

+ sign 34.780+/-49.358 χ^2/NDF : 11.1/33

All: -2.523+/-32.520 χ^2/NDF : 23.1/67

- sign -31.137+/-43.228 χ^2/NDF : 11.0/33

asym_bcm_an_us_rms vs Slug



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 215.556 $\pm$ 0.044 χ^2 /NDF: 1128689.8/16

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

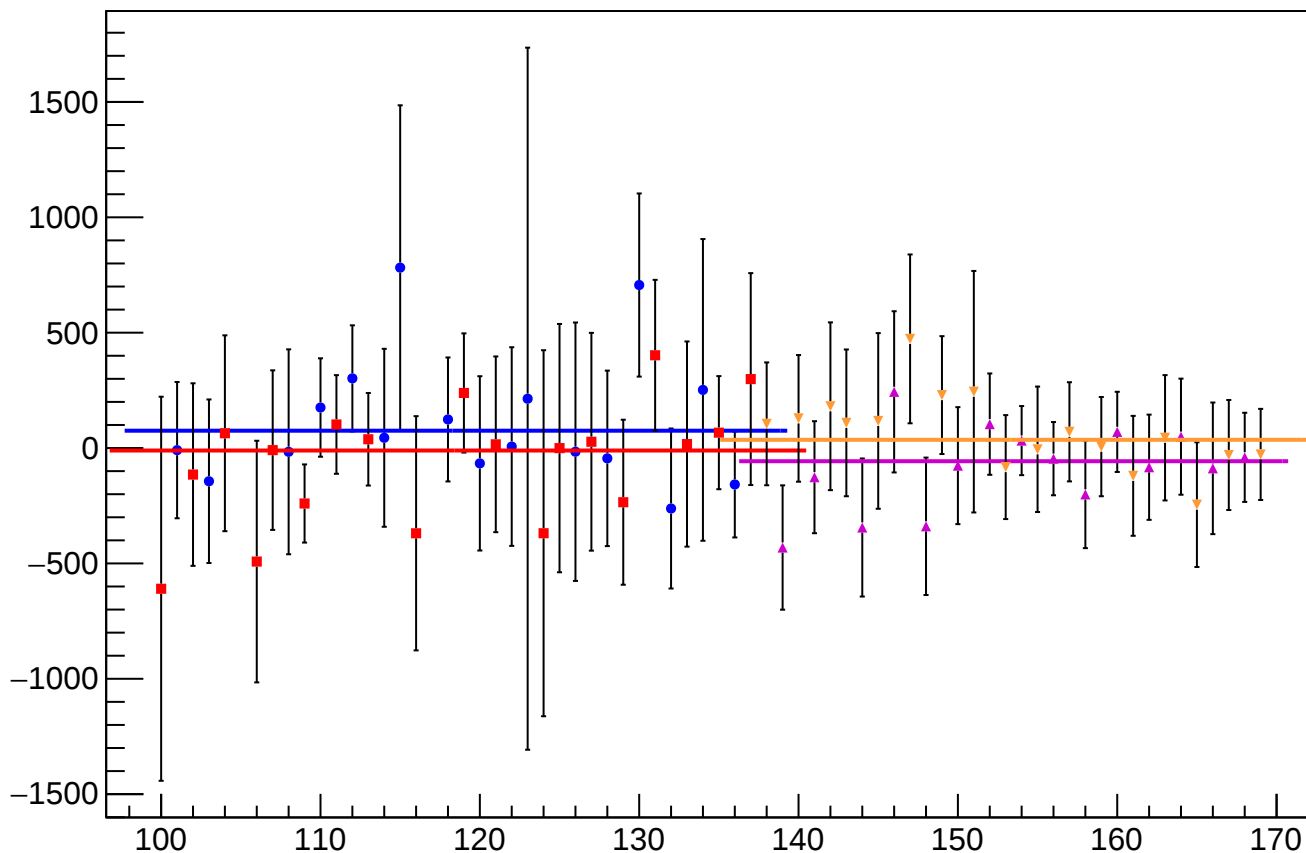
Left In: 176.604 $\pm$ 0.039 χ^2 /NDF: 1477412.6/14

+ sign 207.705 $\pm$ 0.035 χ^2 /NDF: 2197600.6/33

All: 189.359 $\pm$ 0.023 χ^2 /NDF: 5711098.1/67

- sign 175.286 $\pm$ 0.031 χ^2 /NDF: 3025208.1/33

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 35.731 $\pm$ 64.546 χ^2 /NDF: 4.6/16

Right Out: -10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

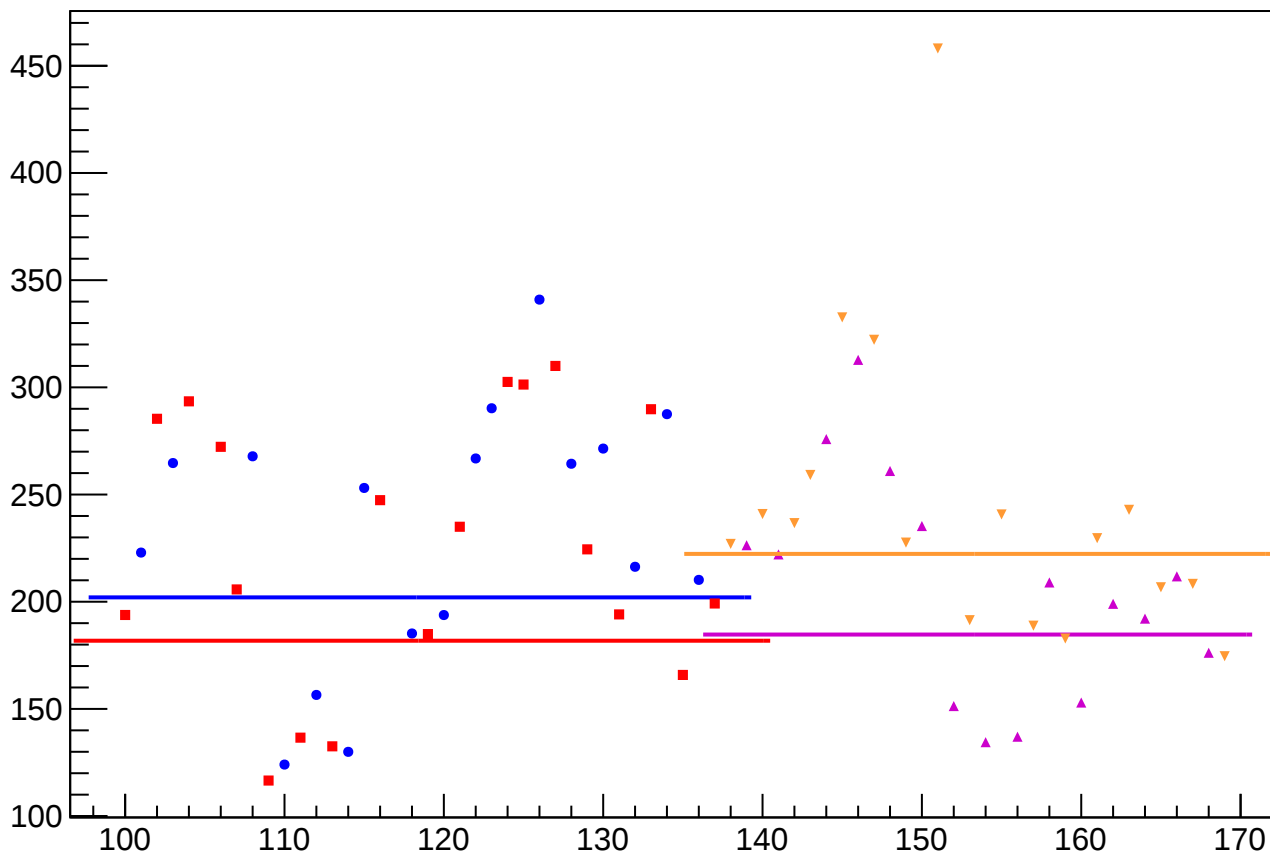
Left In: -57.007 $\pm$ 57.008 χ^2 /NDF: 6.6/14

+ sign 50.719 $\pm$ 50.837 χ^2 /NDF: 12.3/33

All: 0.112 $\pm$ 33.699 χ^2 /NDF: 28.8/67

- sign -39.555 $\pm$ 45.009 χ^2 /NDF: 14.7/33

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 222.311 $\pm$ 0.046 χ^2 /NDF:1069798.1/16

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

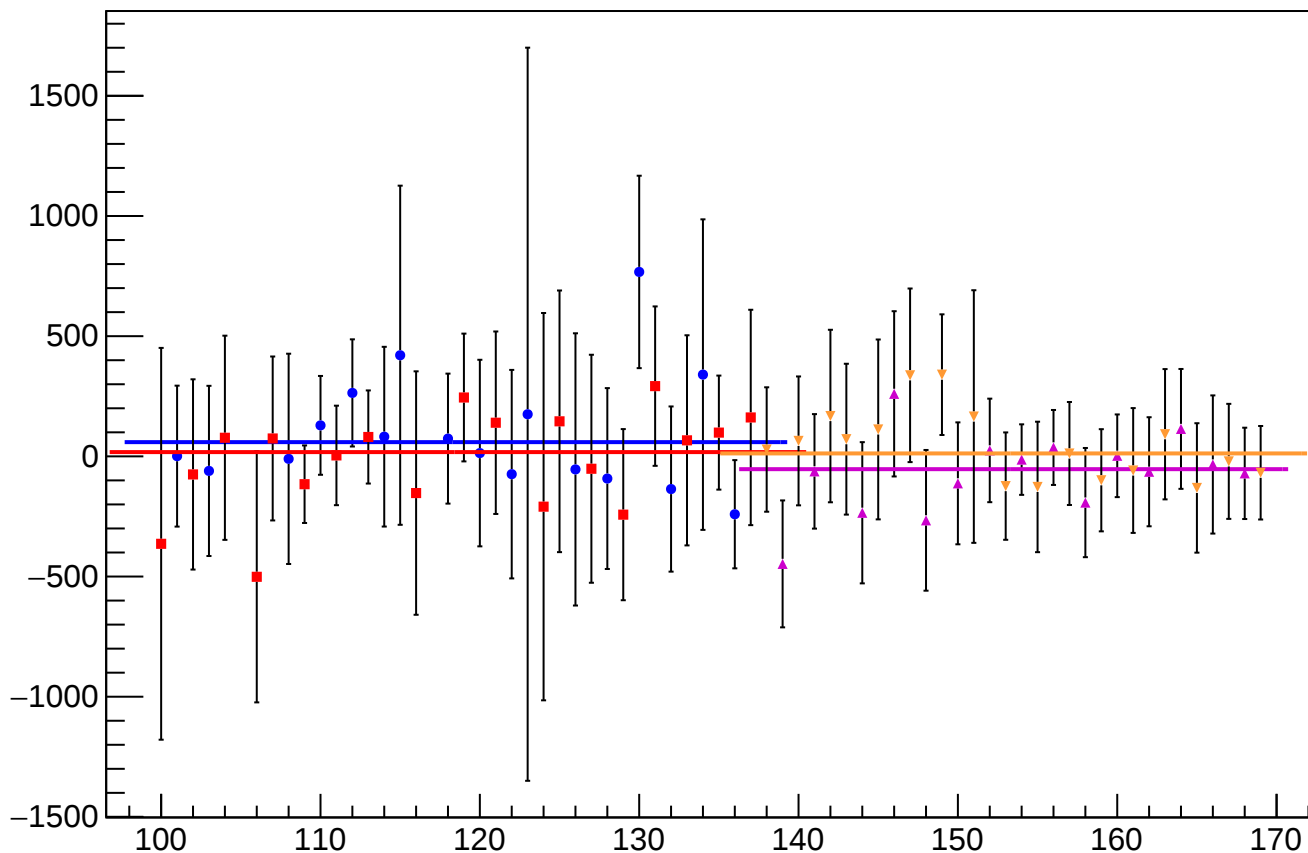
Left In: 184.690 $\pm$ 0.040 χ^2 /NDF:1332654.0/14

+ sign 214.610 $\pm$ 0.036 χ^2 /NDF: 2026378.8/33

All: 197.230 $\pm$ 0.024 χ^2 /NDF: 5155513.1/67

- sign 183.606 $\pm$ 0.032 χ^2 /NDF: 2712112.2/33

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 12.187 $\pm$ 63.921 χ^2 /NDF: 4.5/16

Right Out: 17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

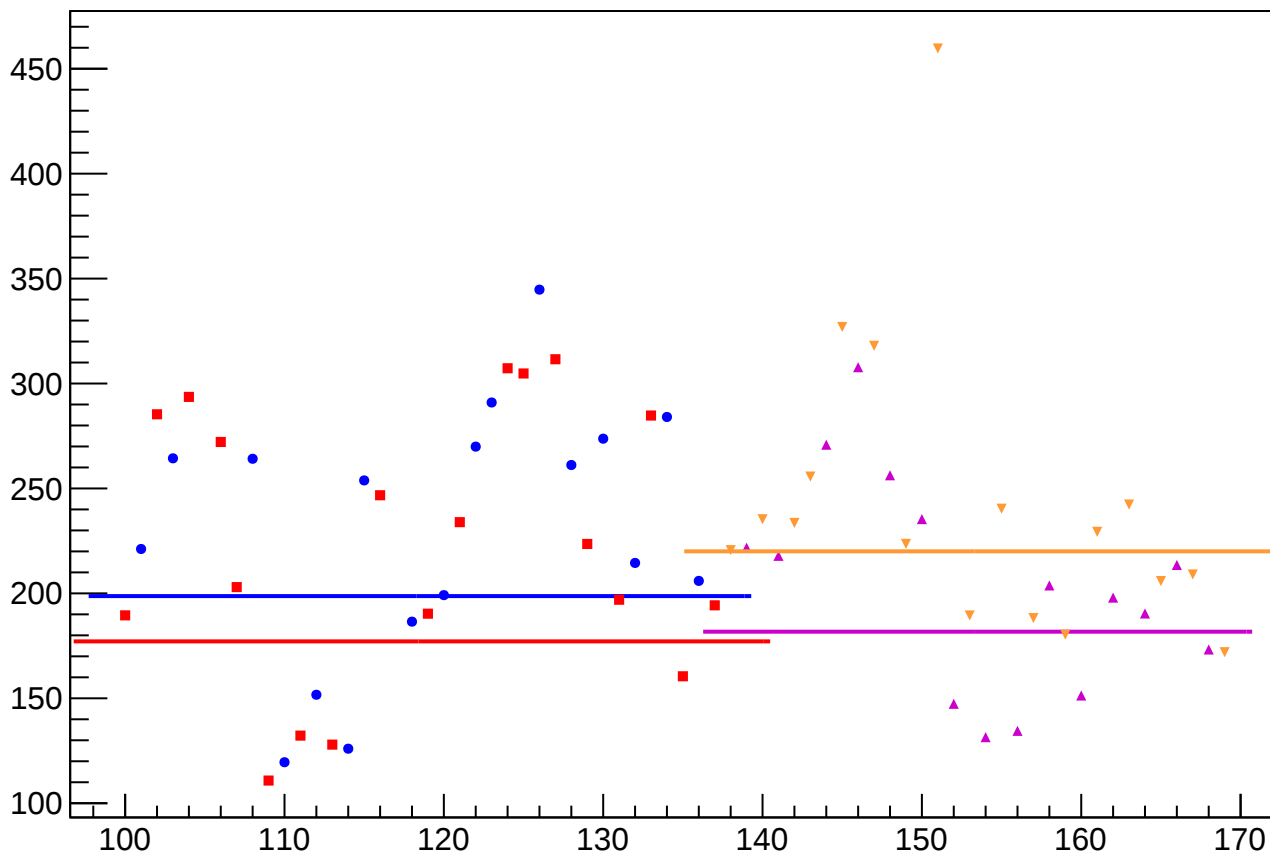
Left In: -53.278 $\pm$ 56.177 χ^2 /NDF: 5.5/14

+ sign 30.105 $\pm$ 50.277 χ^2 /NDF: 11.8/33

All: -1.704 $\pm$ 33.224 χ^2 /NDF: 23.3/67

- sign -26.363 $\pm$ 44.267 χ^2 /NDF: 10.8/33

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 220.035 $\pm$ 0.045 χ^2 /NDF: 1072330.0/16

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

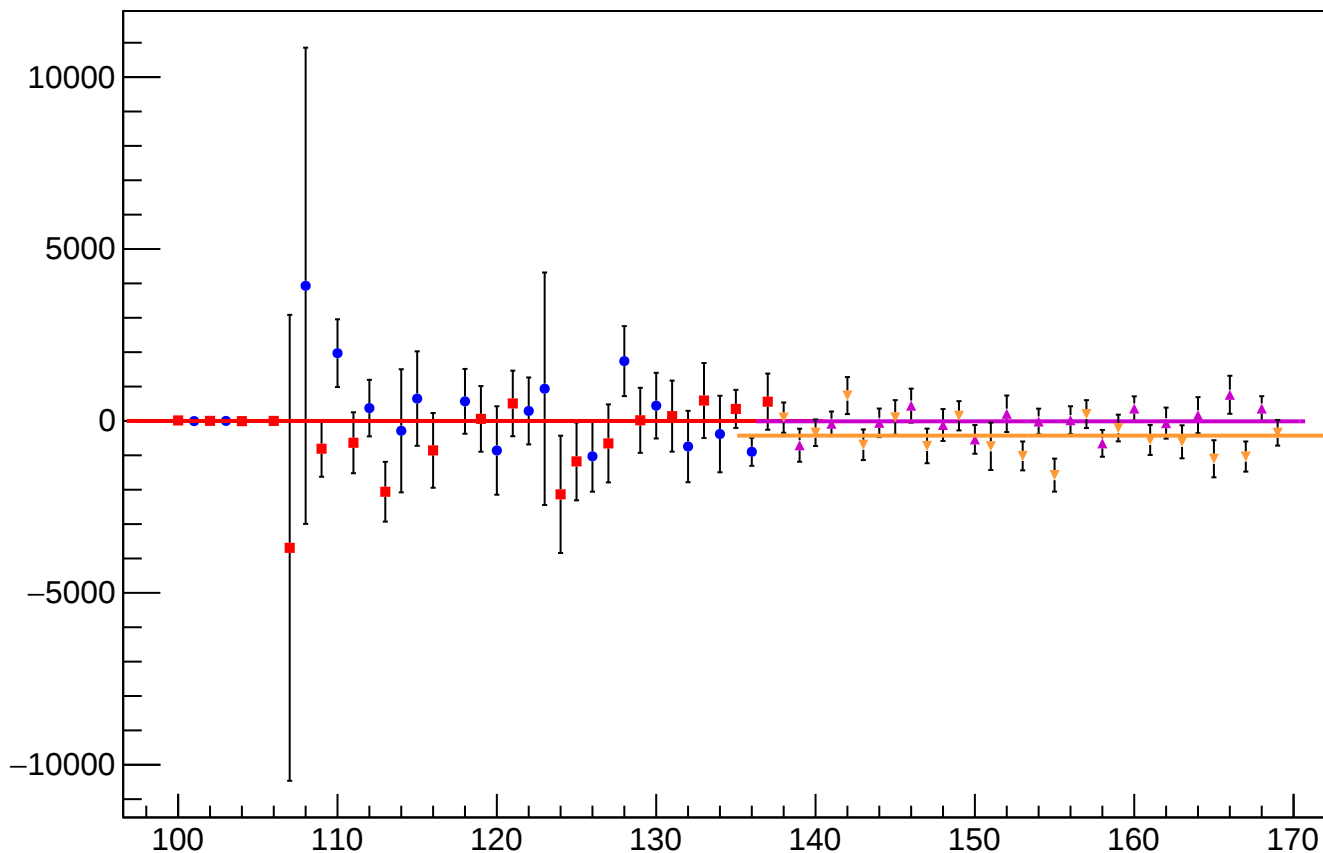
Left In: 181.744 $\pm$ 0.040 χ^2 /NDF: 1355674.0/14

+ sign 211.901 $\pm$ 0.036 χ^2 /NDF: 2120661.7/33

All: 193.927 $\pm$ 0.023 χ^2 /NDF: 5460104.4/67

- sign 179.993 $\pm$ 0.031 χ^2 /NDF: 2885690.5/33

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -426.916 ± 109.124 χ^2/NDF : 24.2/16

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.4/18

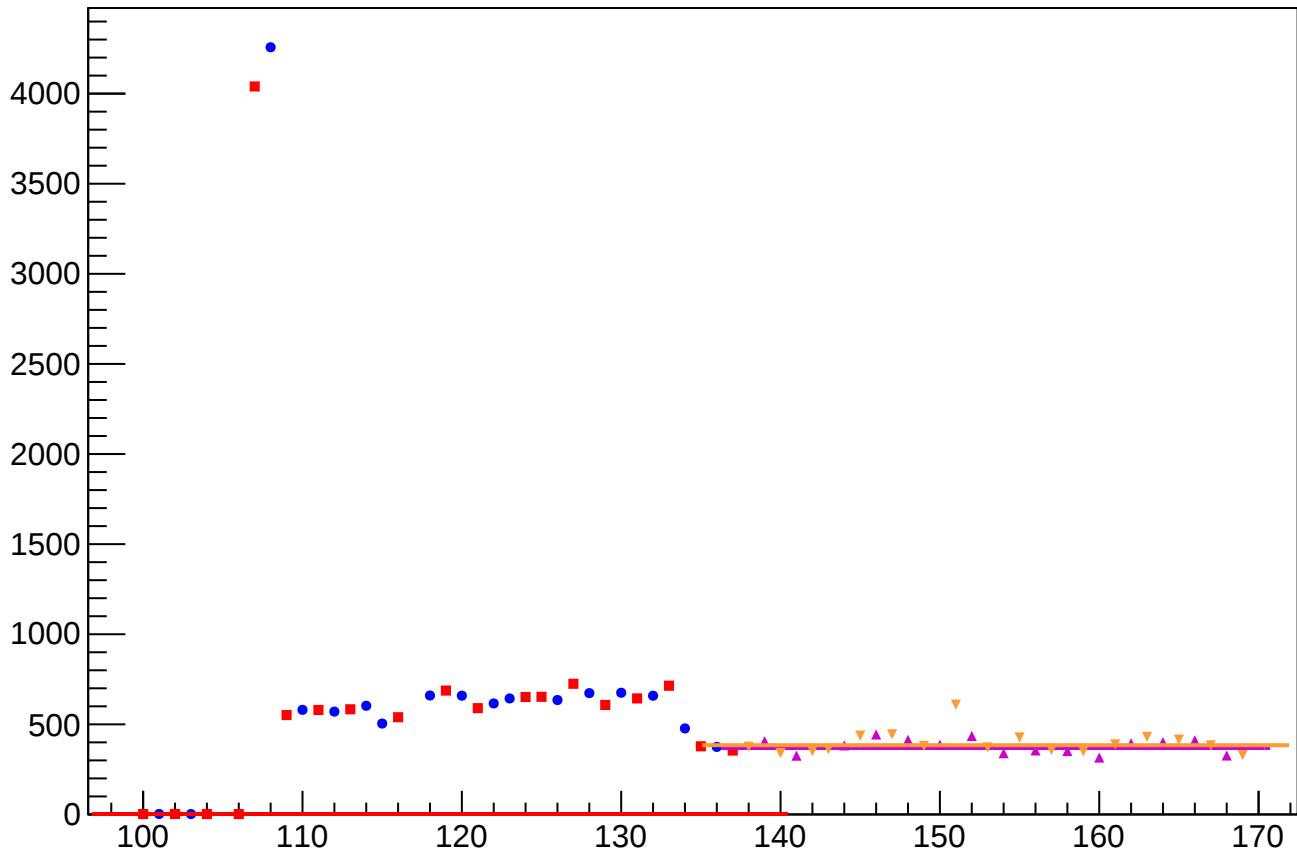
Left In: -10.466 ± 109.438 χ^2/NDF : 11.8/14

+ sign -1.710 ± 2.251 χ^2/NDF : 56.0/33

All: -1.191 ± 1.540 χ^2/NDF : 86.3/67

- sign -0.735 ± 2.111 χ^2/NDF : 30.2/33

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 384.343+/-0.077 χ^2/NDF : 411693.3/16

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

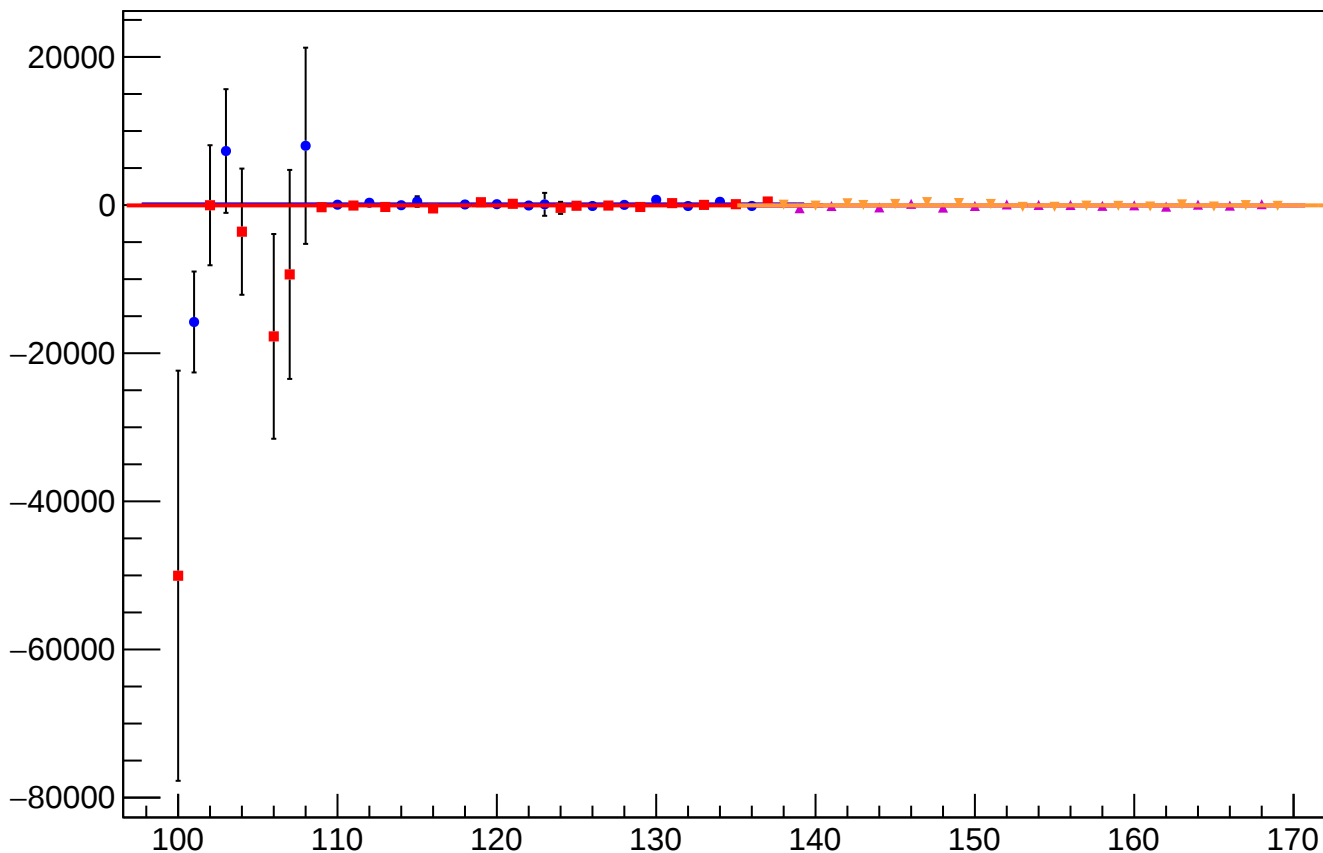
Left In: 368.972+/-0.077 χ^2/NDF : 259576.4/14

+ sign 2.619+/-0.002 χ^2/NDF : 35601832.8/33

All: 2.594+/-0.001 χ^2/NDF : 69428525.8/67

- sign 2.573+/-0.001 χ^2/NDF : 33826256.1/33

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -36.168+/-66.461 χ^2/NDF : 5.9/16

Right Out: -42.617+/-84.547 χ^2/NDF : 14.0/18

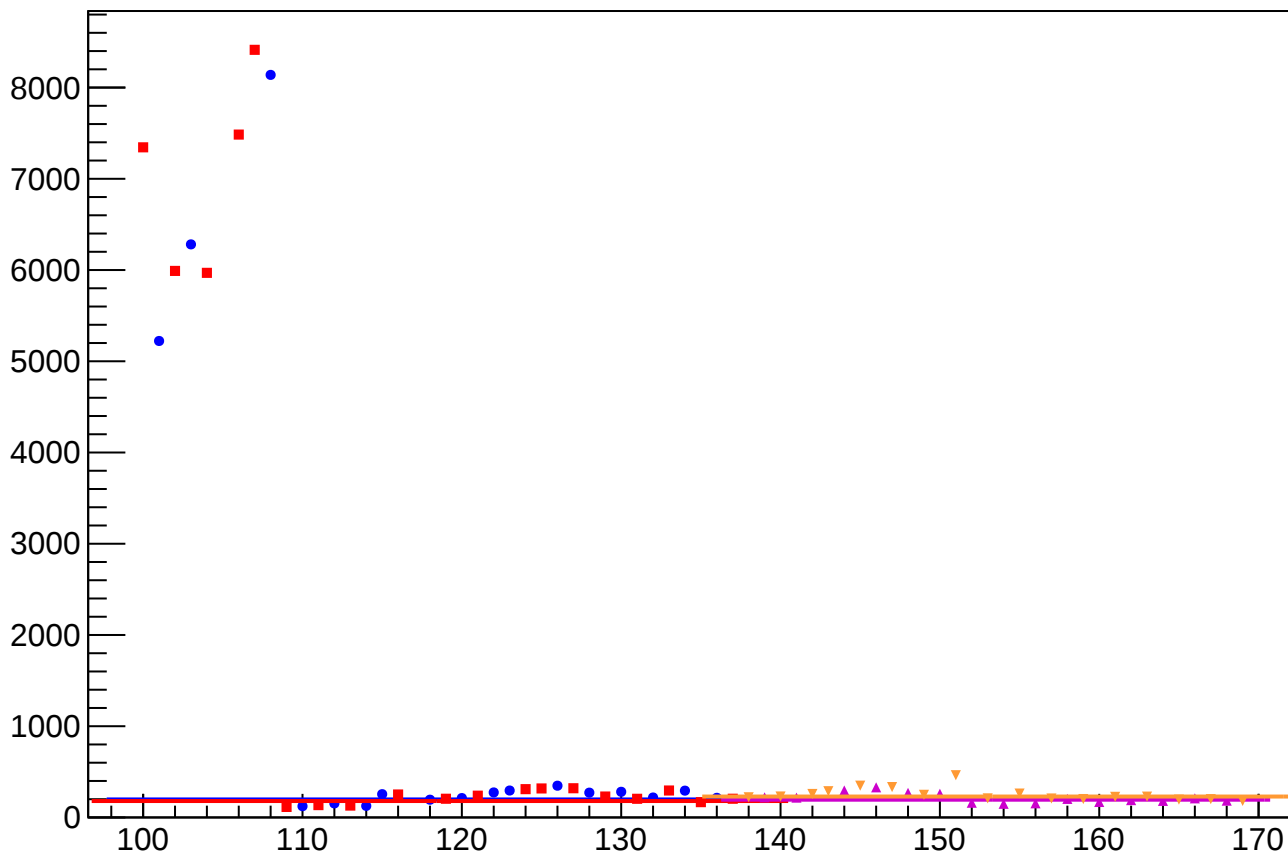
Left In: -57.558+/-59.673 χ^2/NDF : 6.2/14

+ sign 9.121+/-53.815 χ^2/NDF : 19.3/33

All: -24.773+/-36.131 χ^2/NDF : 40.2/67

- sign -52.590+/-48.753 χ^2/NDF : 20.2/33

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 229.236+/-0.047 χ^2/NDF : 1057002.5/16

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

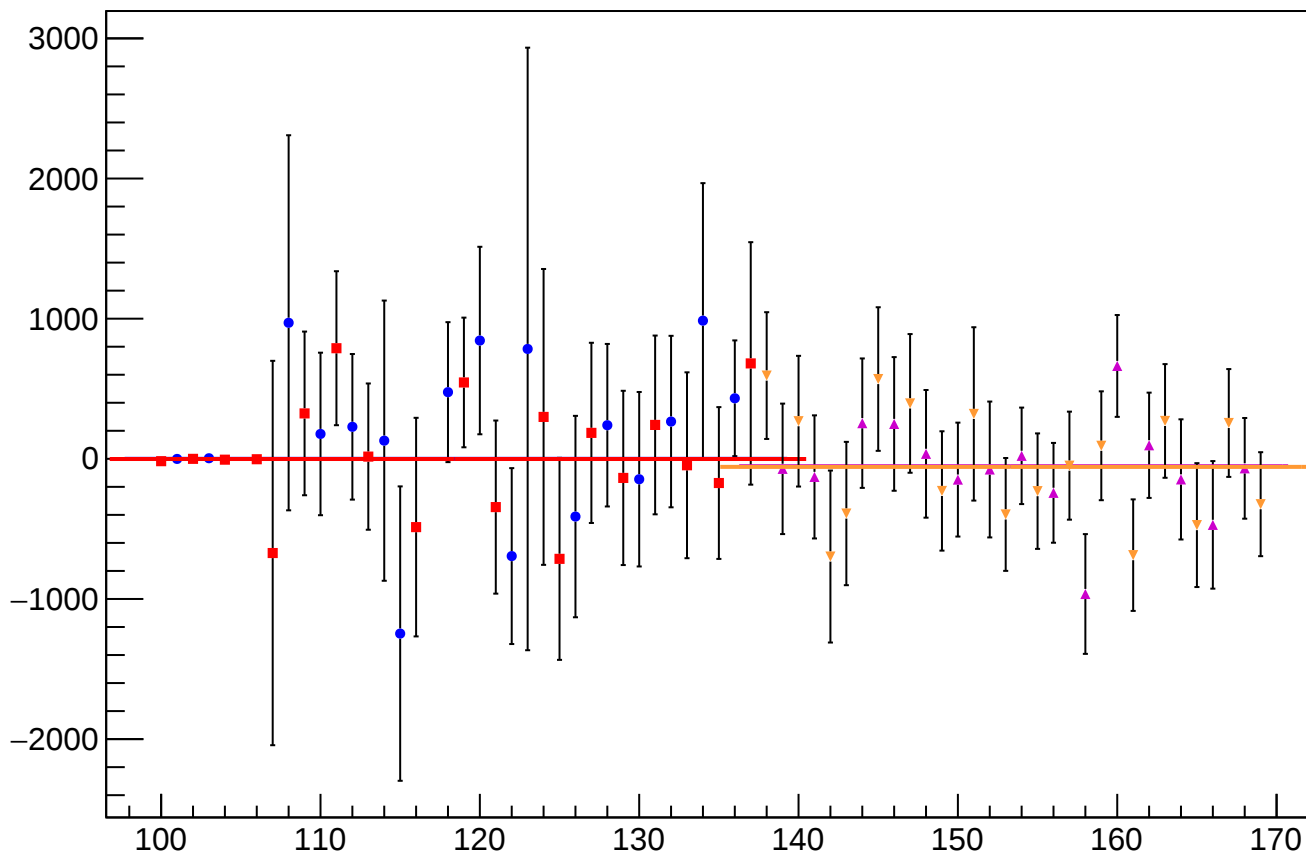
Left In: 194.702+/-0.042 χ^2/NDF : 1071267.7/14

+ sign 218.281+/-0.038 χ^2/NDF : 4910655.4/33

All: 202.642+/-0.026 χ^2/NDF : 10651288.9/67

- sign 189.808+/-0.034 χ^2/NDF : 5433134.4/33

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -57.434 ± 106.029 χ^2/NDF : 13.2/16

Right Out: -1.324 ± 1.623 χ^2/NDF : 9.5/18

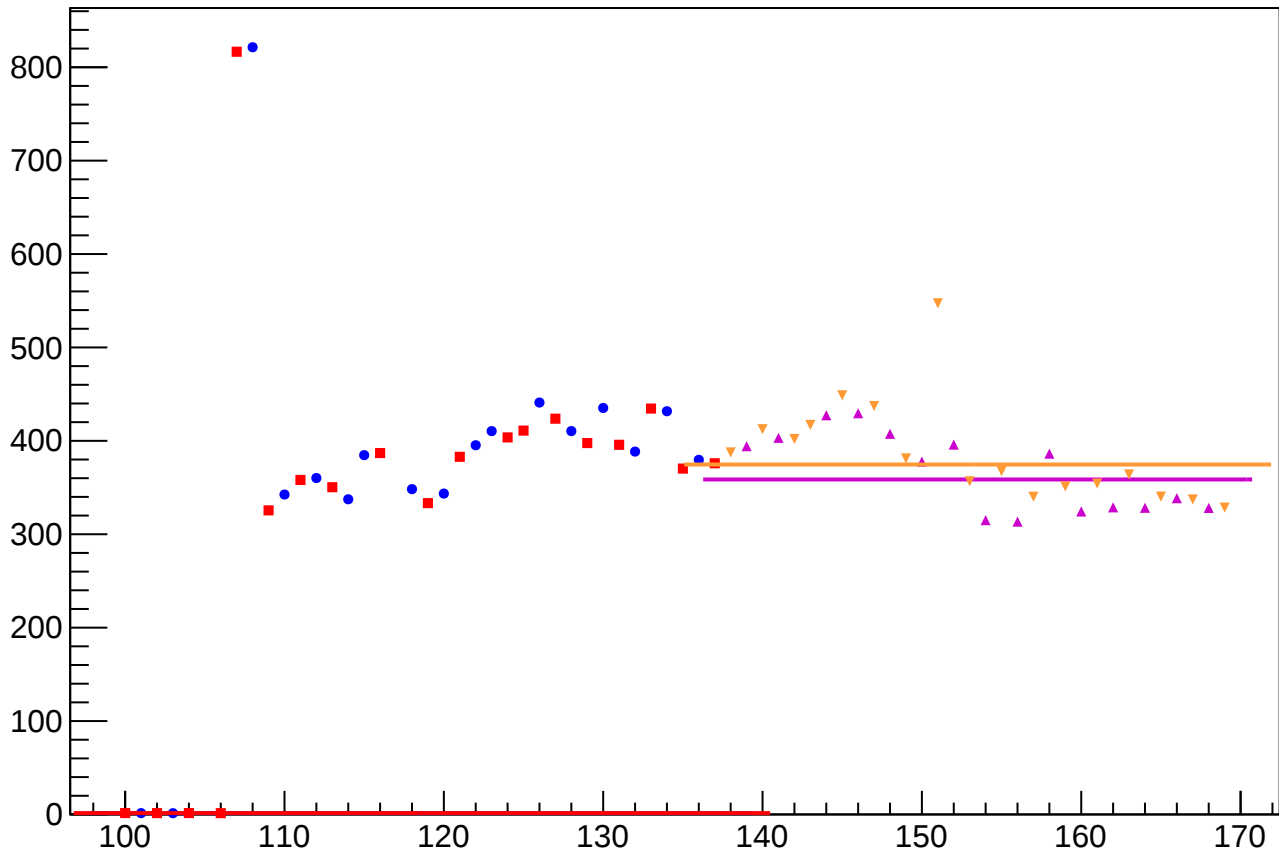
Left In: -52.805 ± 106.302 χ^2/NDF : 10.8/14

+ sign -0.154 ± 1.736 χ^2/NDF : 23.3/33

All: -0.785 ± 1.185 χ^2/NDF : 44.0/67

- sign -1.336 ± 1.622 χ^2/NDF : 20.5/33

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 374.661+/-0.075 χ^2/NDF : 359030.4/16

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

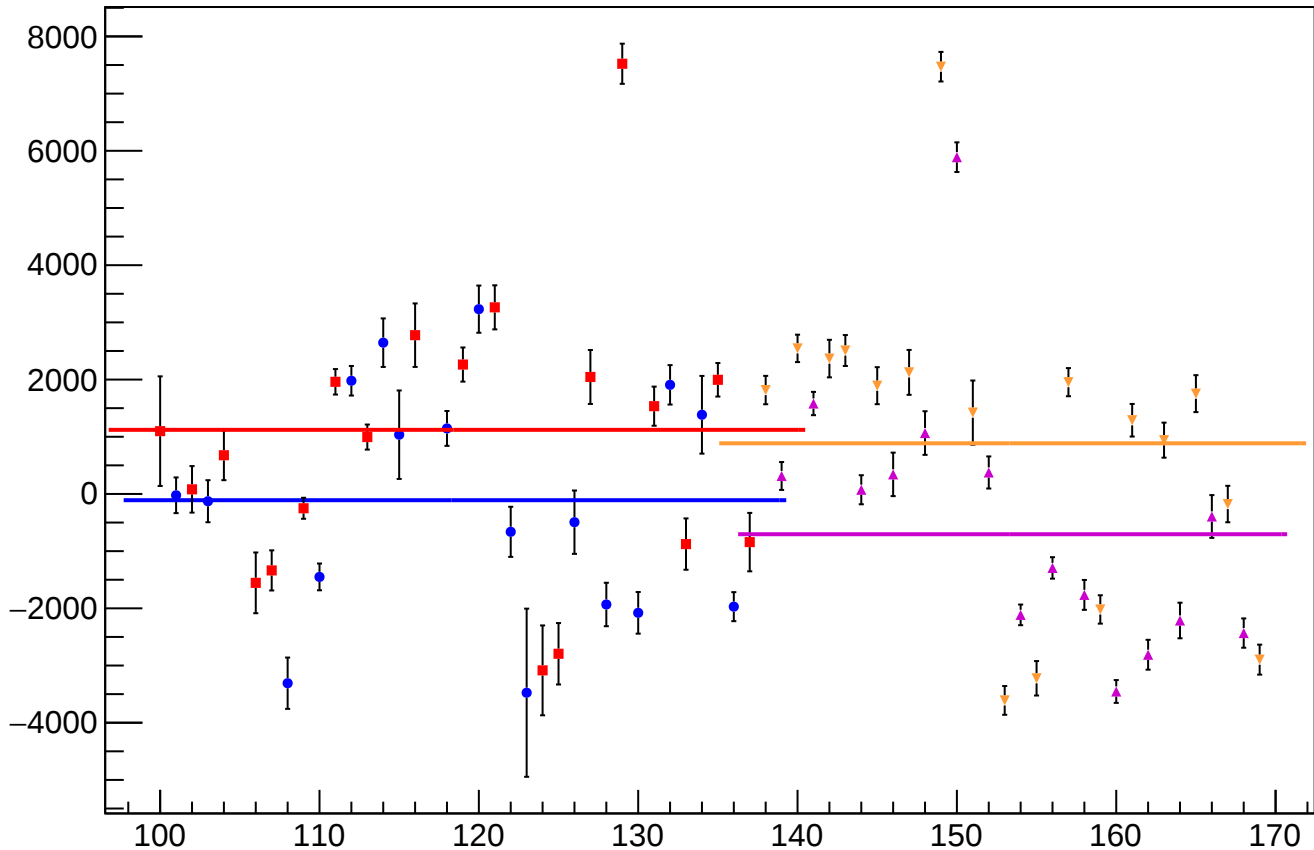
Left In: 358.644+/-0.075 χ^2/NDF : 291349.7/14

+ sign 1.552+/-0.001 χ^2/NDF : 35947210.6/33

All: 1.543+/-0.001 χ^2/NDF : 69688243.6/67

- sign 1.534+/-0.001 χ^2/NDF : 33740917.4/33

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 886.050 ± 69.448 $\chi^2/\text{NDF}: 1677.2/16$

Right Out: 1121.203 ± 78.396 $\chi^2/\text{NDF}: 670.1/18$

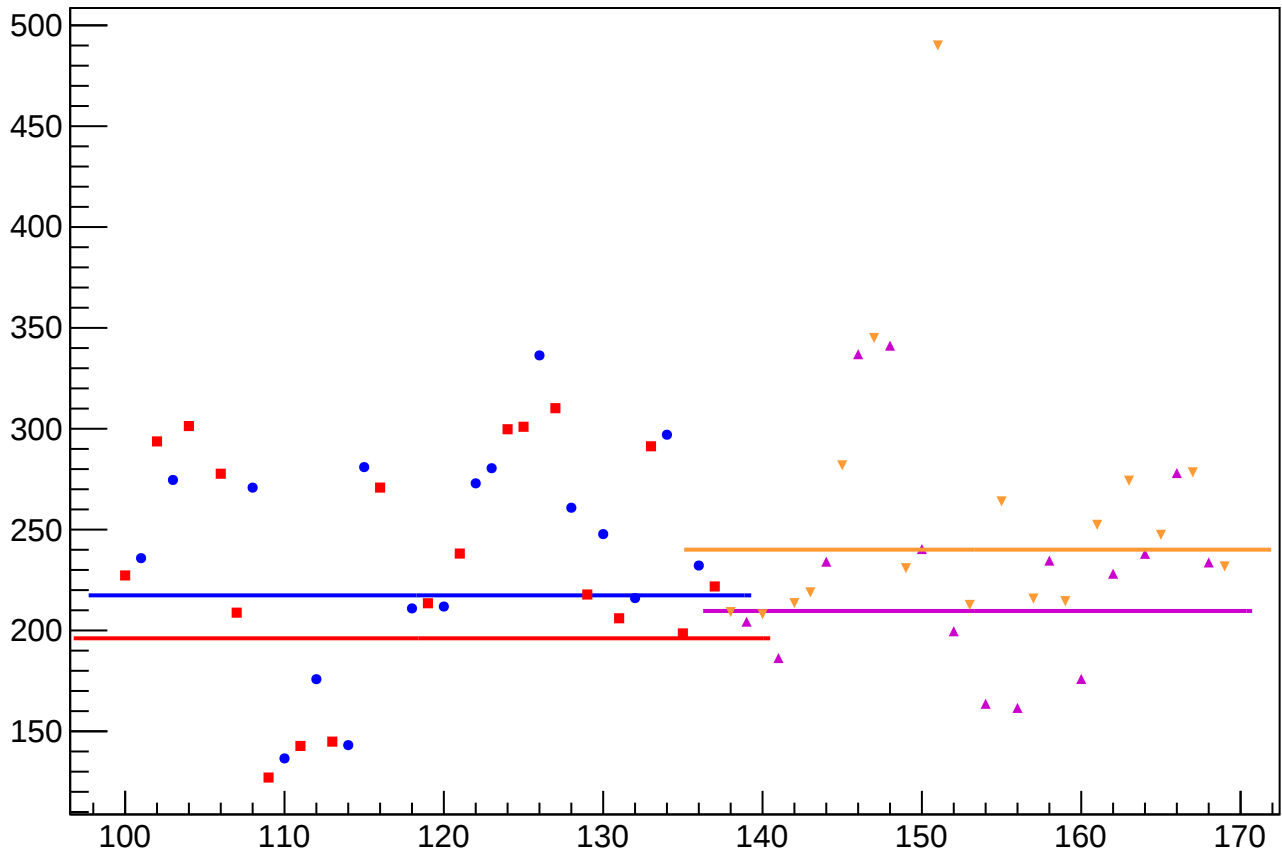
Left In: -704.026 ± 64.010 $\chi^2/\text{NDF}: 1254.5/14$

+ sign 503.875 ± 54.507 $\chi^2/\text{NDF}: 2184.4/33$

All: 242.410 ± 36.677 $\chi^2/\text{NDF}: 4476.3/67$

- sign 26.060 ± 49.582 $\chi^2/\text{NDF}: 2249.8/33$

asym_bcm0l02_rms vs Slug



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 240.056+/-0.049 χ^2/NDF : 805782.0/16

Right Out: 196.112+/-0.055 χ^2/NDF : 1190862.3/18

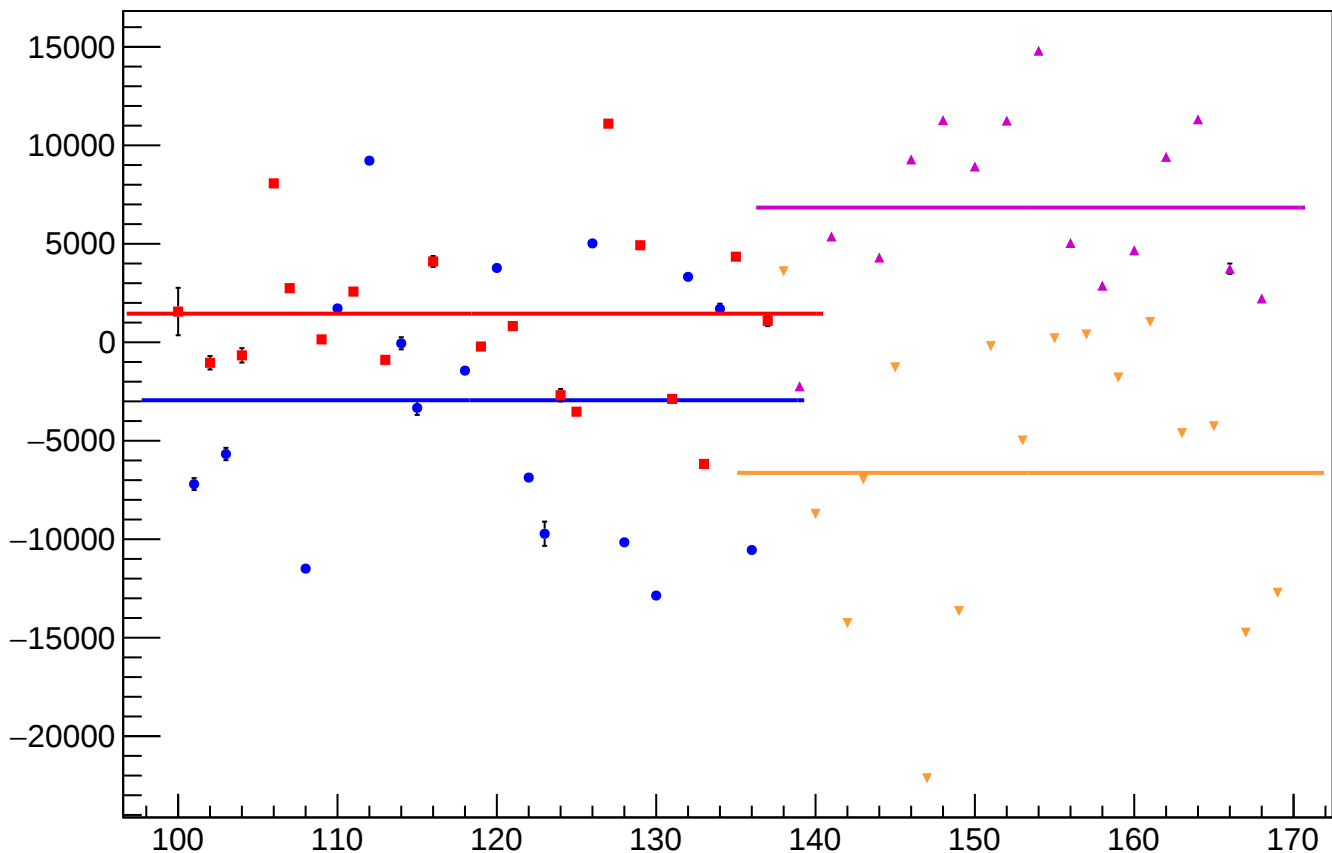
Left In: 209.663+/-0.045 χ^2/NDF : 985919.3/14

+ sign 231.357+/-0.039 χ^2/NDF : 1540127.3/33

All: 216.520+/-0.026 χ^2/NDF : 4023589.3/67

- sign 204.242+/-0.035 χ^2/NDF : 2212633.2/33

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 χ^2/NDF : 20909.8/16

Left Out: -6629.486 ± 38.910 χ^2/NDF : 36370.8/16

Right Out: 1453.116 ± 46.404 χ^2/NDF : 7996.0/18

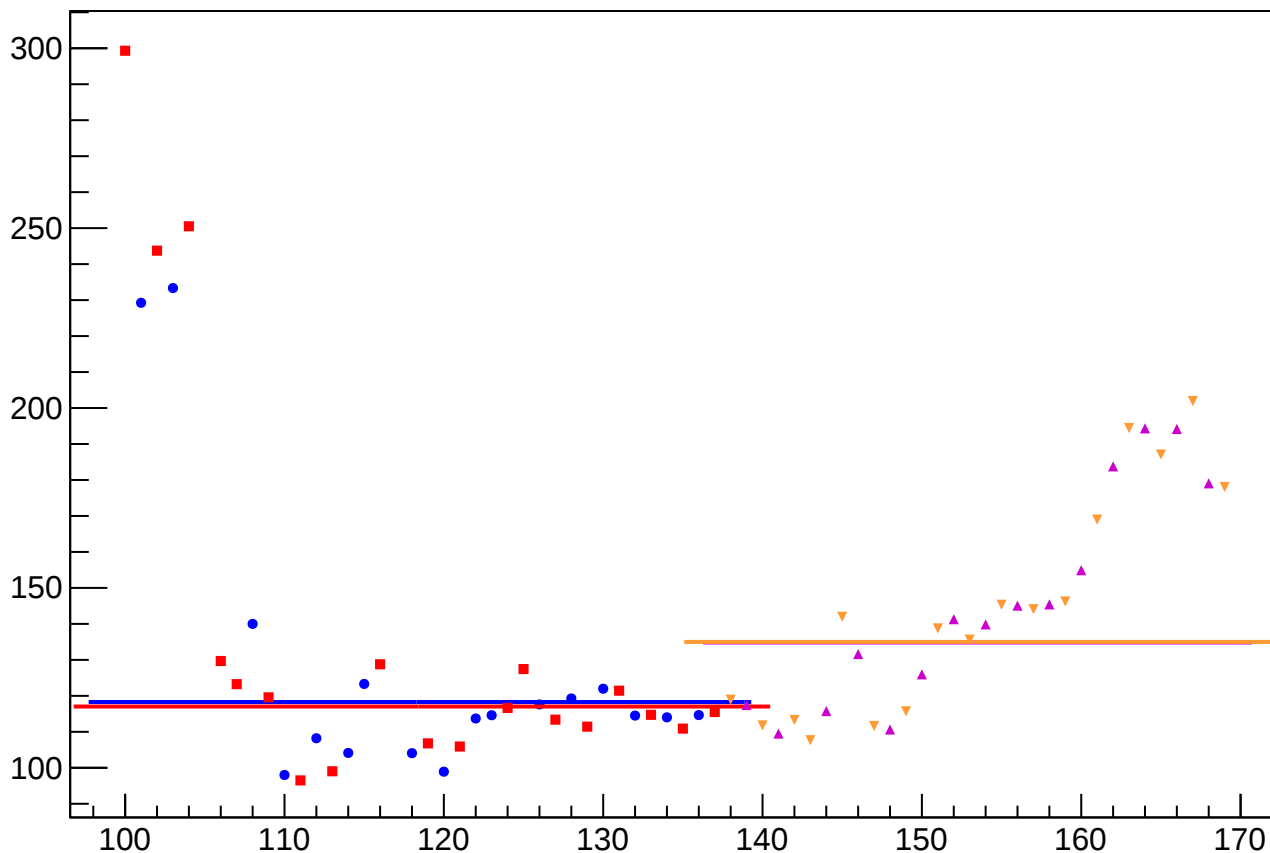
Left In: 6838.695 ± 40.362 χ^2/NDF : 11917.9/14

+ sign -5189.977 ± 30.378 χ^2/NDF : 60785.6/33

All: -347.585 ± 21.507 χ^2/NDF : 139316.2/67

- sign 4519.105 ± 30.454 χ^2/NDF : 27582.2/33

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 134.991+/-0.028 χ^2/NDF : 906517.3/16

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

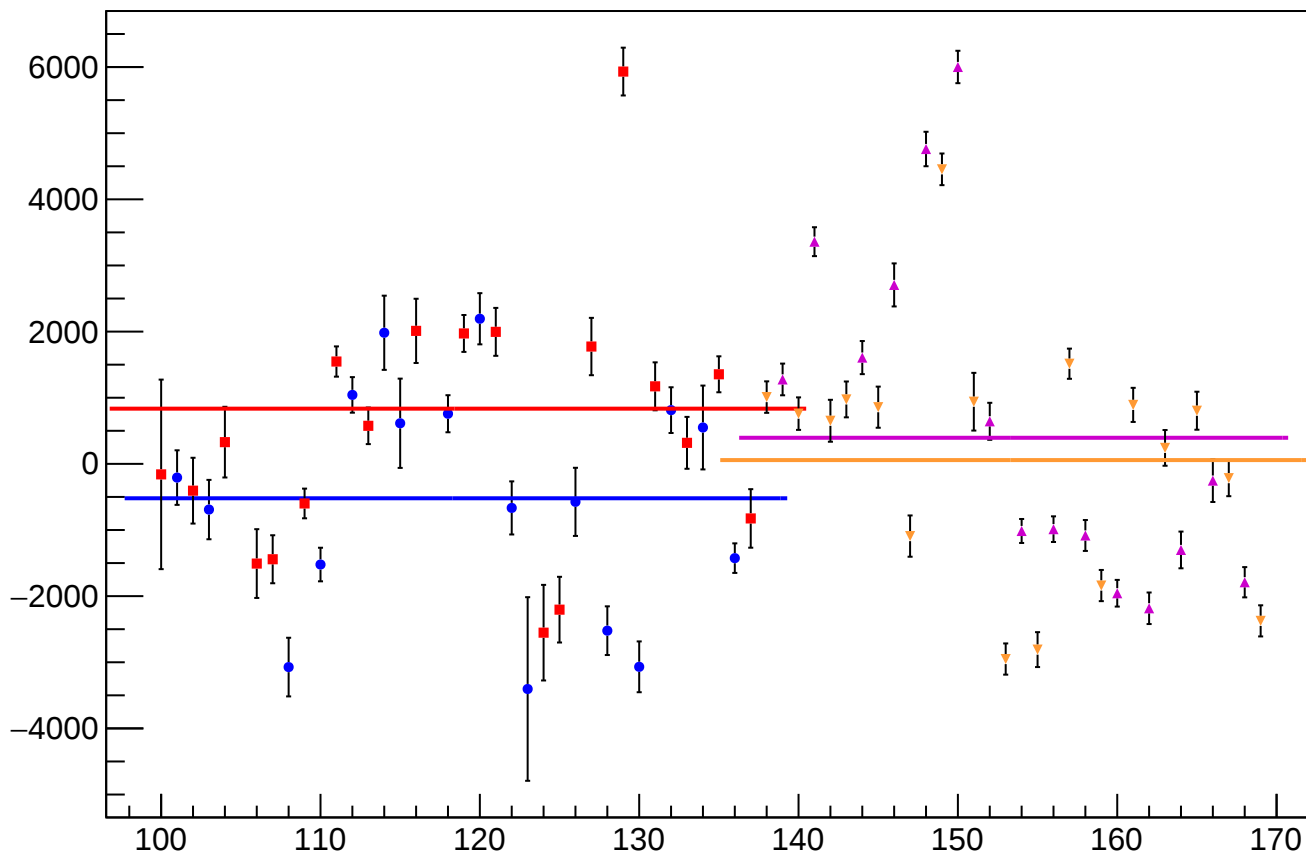
Left In: 134.817+/-0.029 χ^2/NDF : 718324.8/14

+ sign 128.468+/-0.021 χ^2/NDF : 1687400.2/33

All: 127.814+/-0.015 χ^2/NDF : 3265706.6/67

- sign 127.157+/-0.022 χ^2/NDF : 1576447.9/33

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 57.170 ± 64.159 χ^2/NDF : 912.2/16

Right Out: 834.834 ± 82.273 χ^2/NDF : 434.7/18

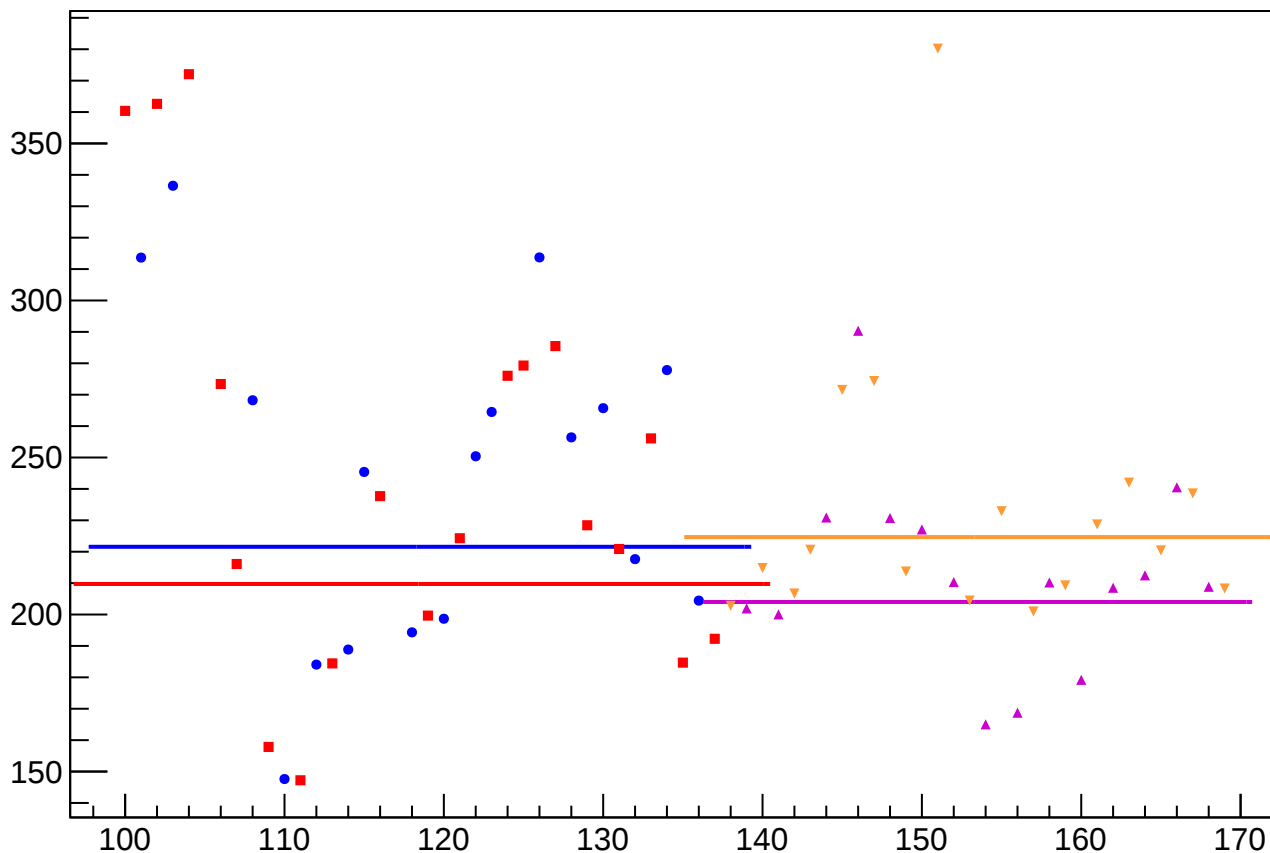
Left In: 394.531 ± 61.199 χ^2/NDF : 1613.3/14

+ sign -139.591 ± 52.093 χ^2/NDF : 1227.9/33

All: 226.286 ± 35.732 χ^2/NDF : 3387.5/67

- sign 551.372 ± 49.104 χ^2/NDF : 2066.5/33

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 224.659 $\pm$ 0.045 χ^2 /NDF: 452155.3/16

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

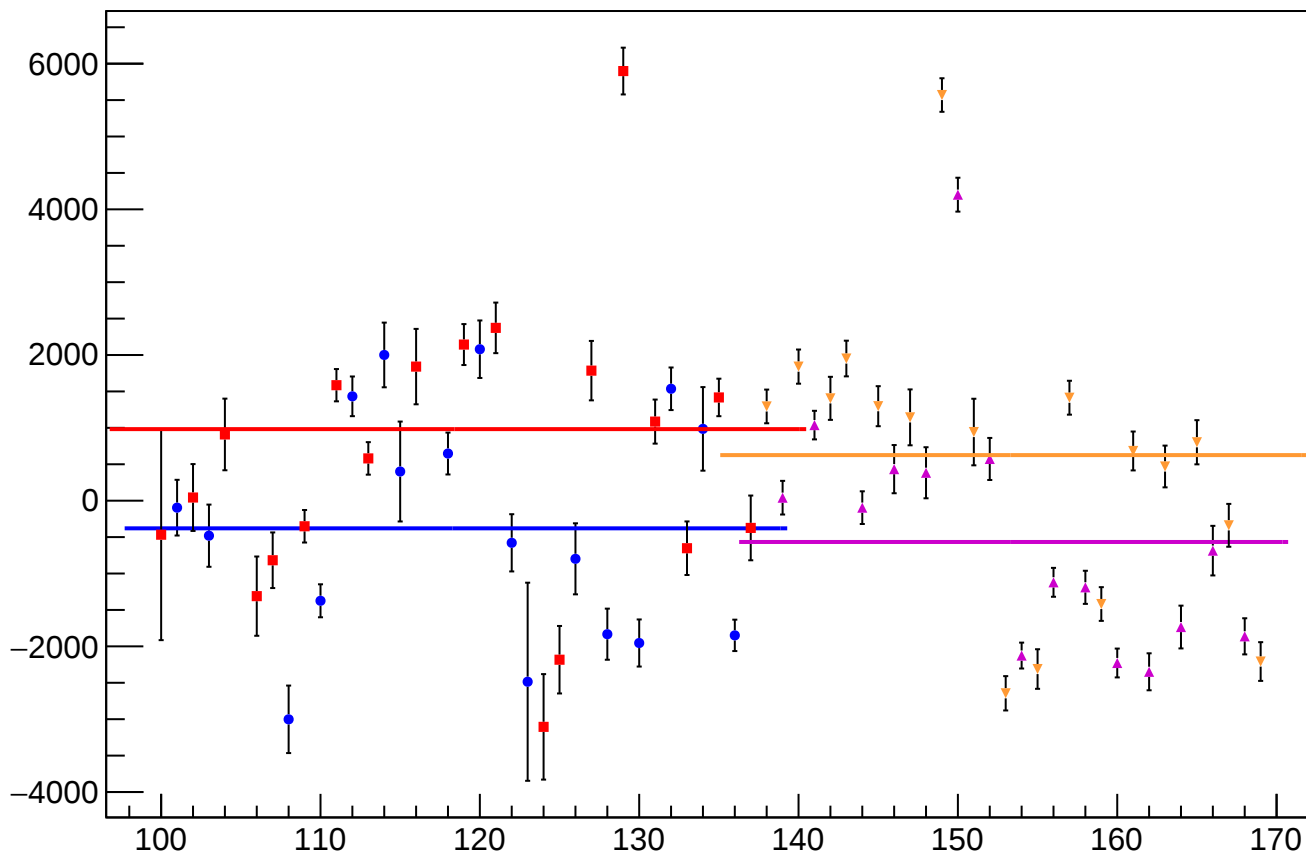
Left In: 204.000 $\pm$ 0.043 χ^2 /NDF: 423529.3/14

+ sign 223.606 $\pm$ 0.037 χ^2 /NDF: 1098676.6/33

All: 214.306 $\pm$ 0.025 χ^2 /NDF: 2532763.2/67

- sign 206.043 $\pm$ 0.035 χ^2 /NDF: 1313709.4/33

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 625.793 ± 64.536 χ^2/NDF : 1064.4/16

Right Out: 982.539 ± 77.724 χ^2/NDF : 476.3/18

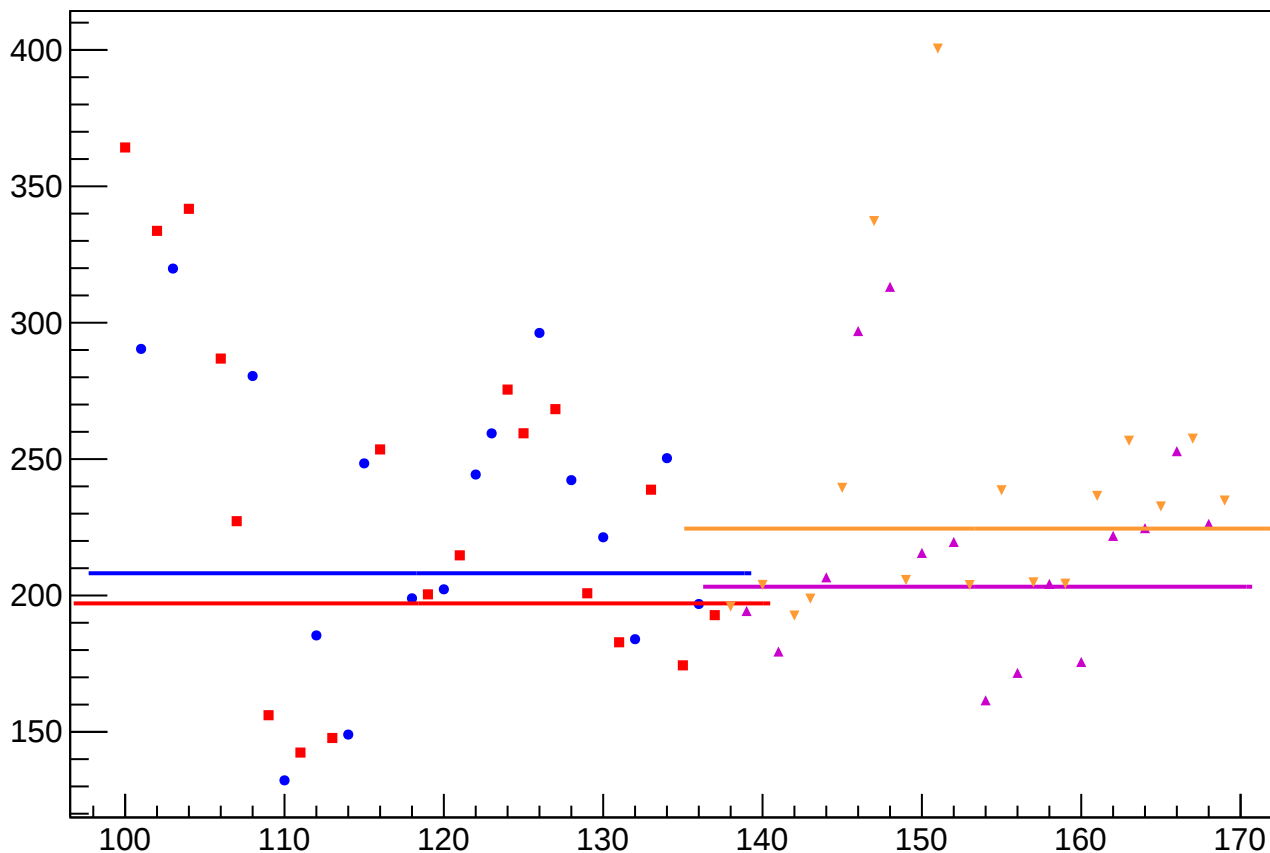
Left In: -566.940 ± 61.293 χ^2/NDF : 785.5/14

+ sign 254.047 ± 51.235 χ^2/NDF : 1471.3/33

All: 133.528 ± 35.079 χ^2/NDF : 2988.5/67

- sign 27.180 ± 48.128 χ^2/NDF : 1506.8/33

asym_bpm0l01WS_rms vs Slug



Right In: 208.151 ± 0.060 χ^2/NDF : 699084.2/16

Left Out: 224.523 ± 0.046 χ^2/NDF : 688957.6/16

Right Out: 197.103 ± 0.055 χ^2/NDF : 926467.5/18

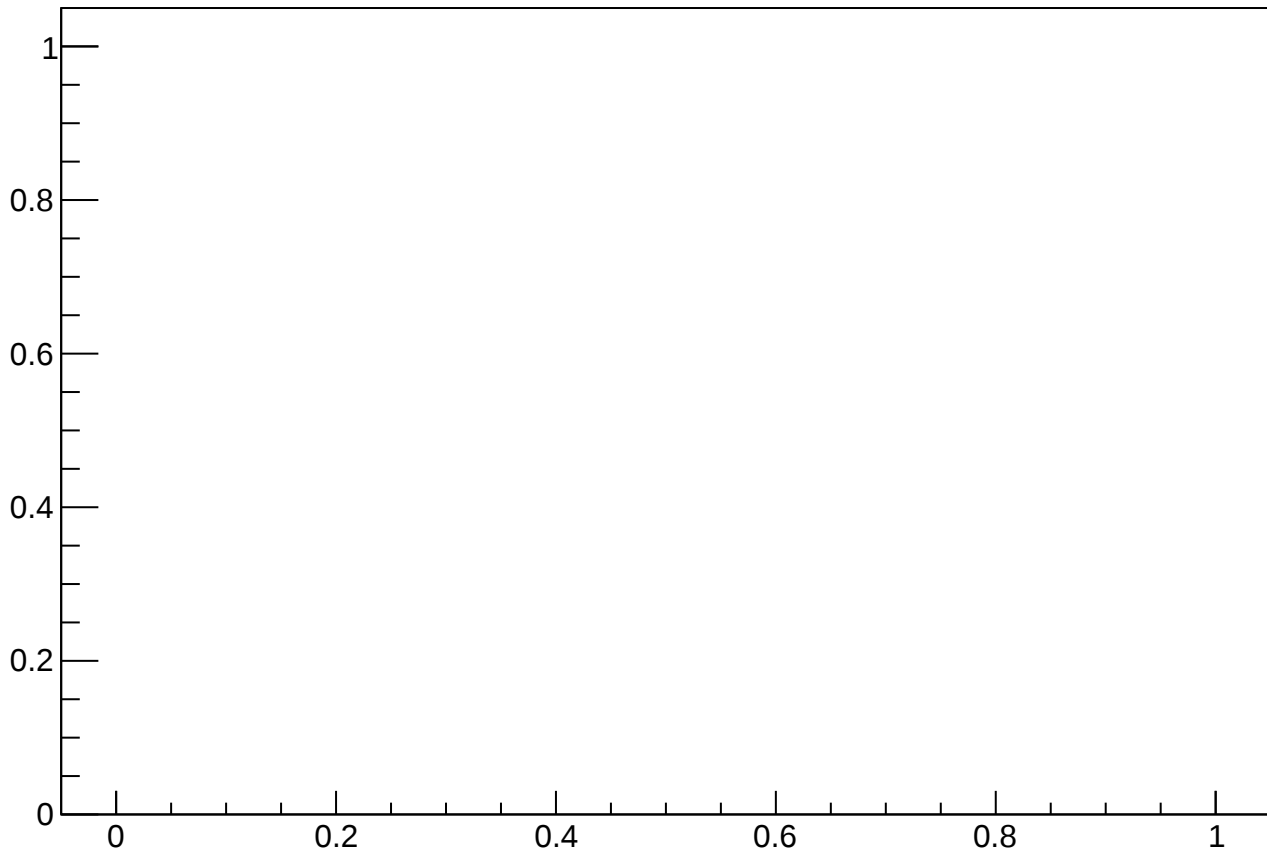
Left In: 203.215 ± 0.043 χ^2/NDF : 682644.6/14

+ sign 218.470 ± 0.036 χ^2/NDF : 1435632.8/33

All: 209.121 ± 0.025 χ^2/NDF : 3177723.9/67

- sign 200.871 ± 0.034 χ^2/NDF : 1616738.1/33

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

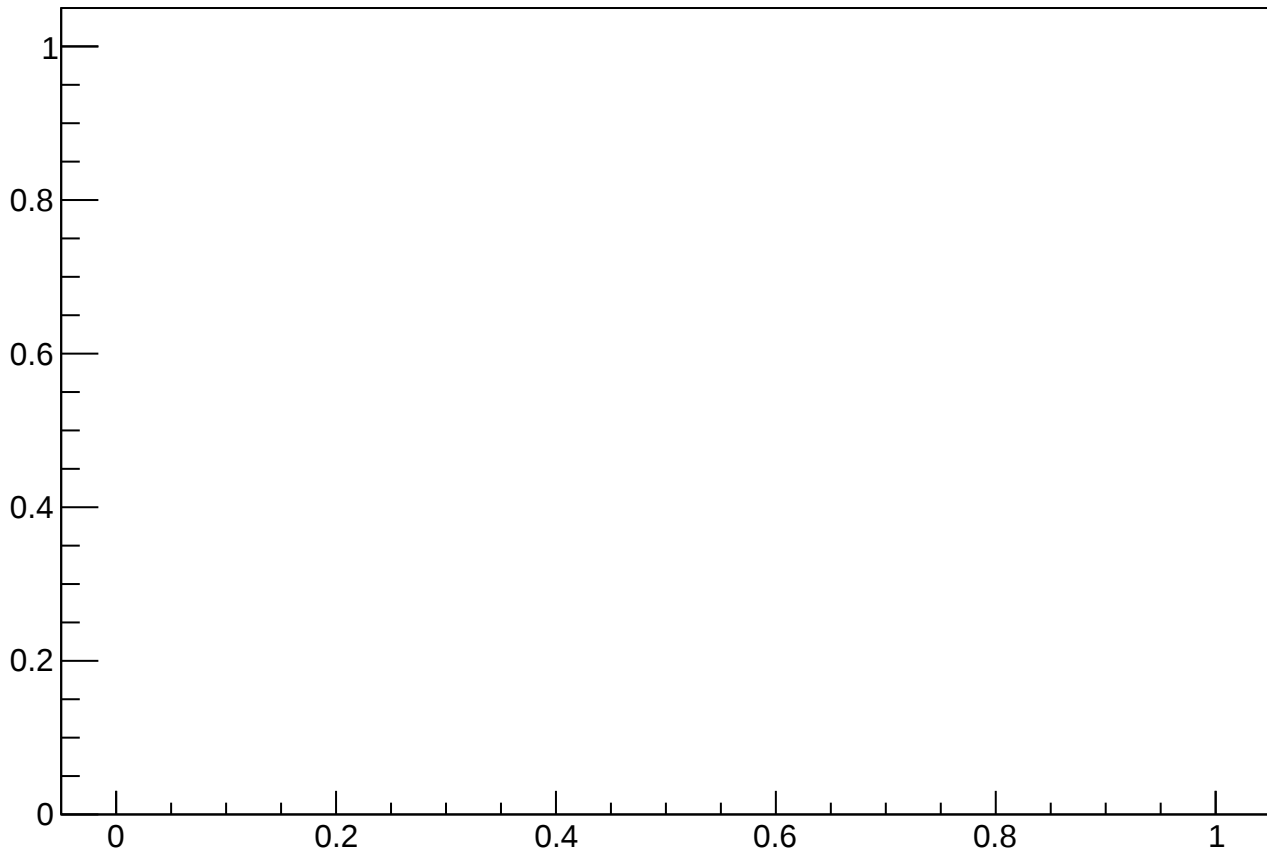
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

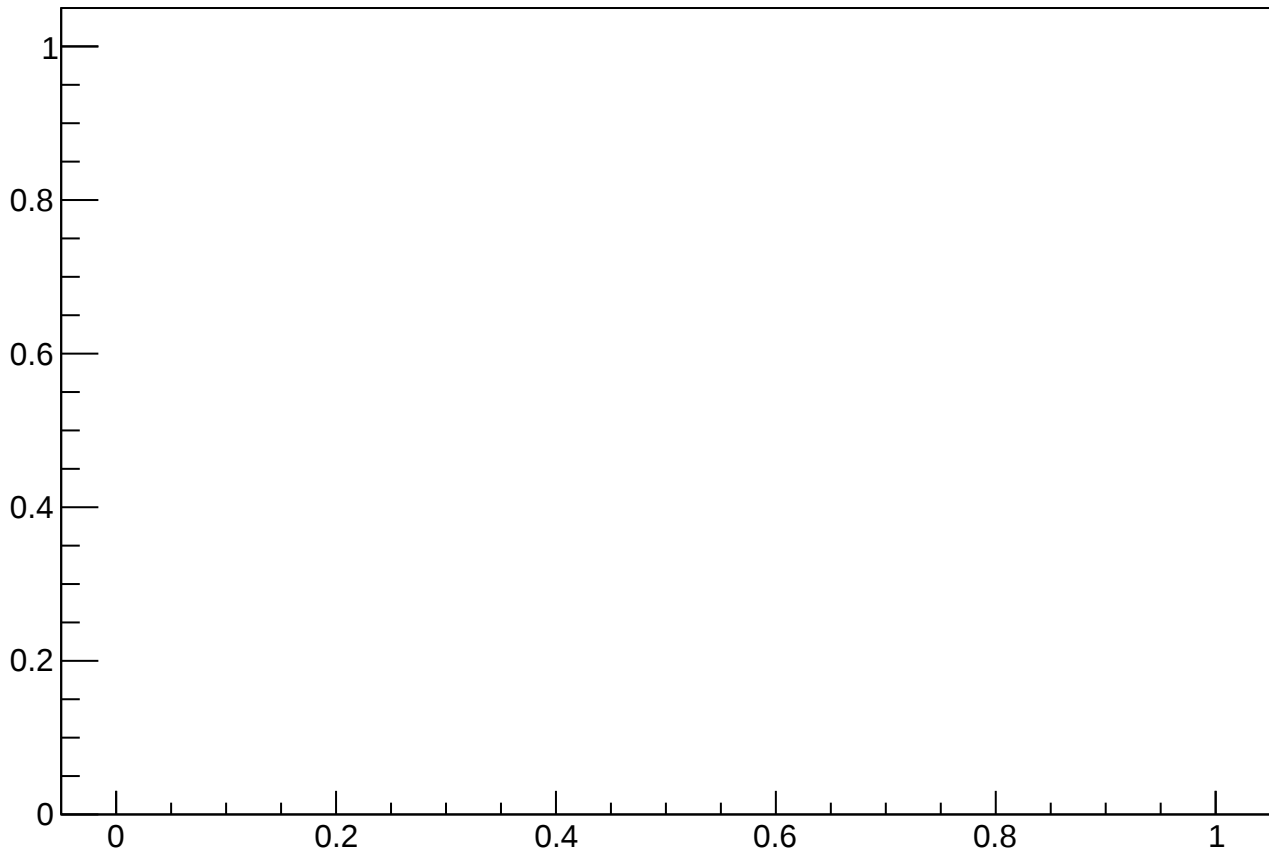
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

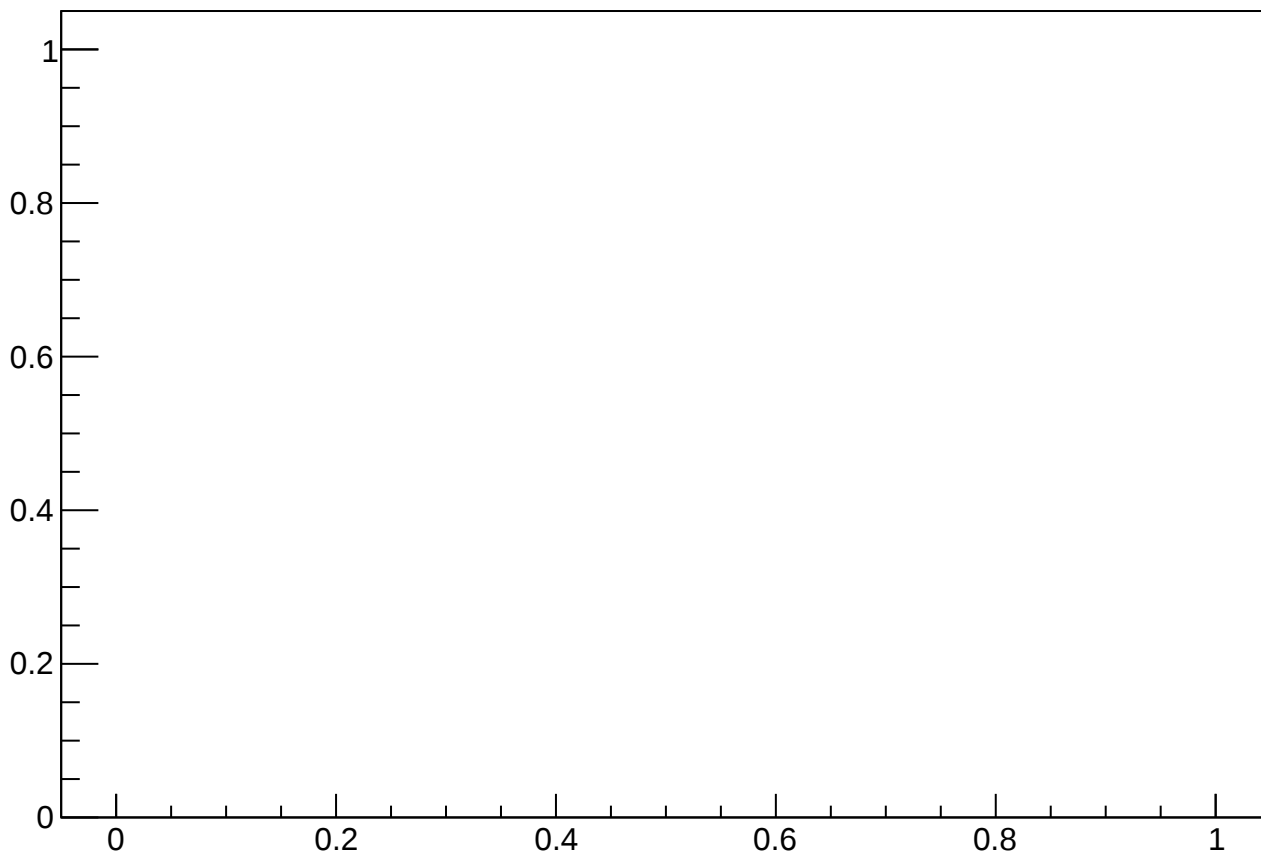
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

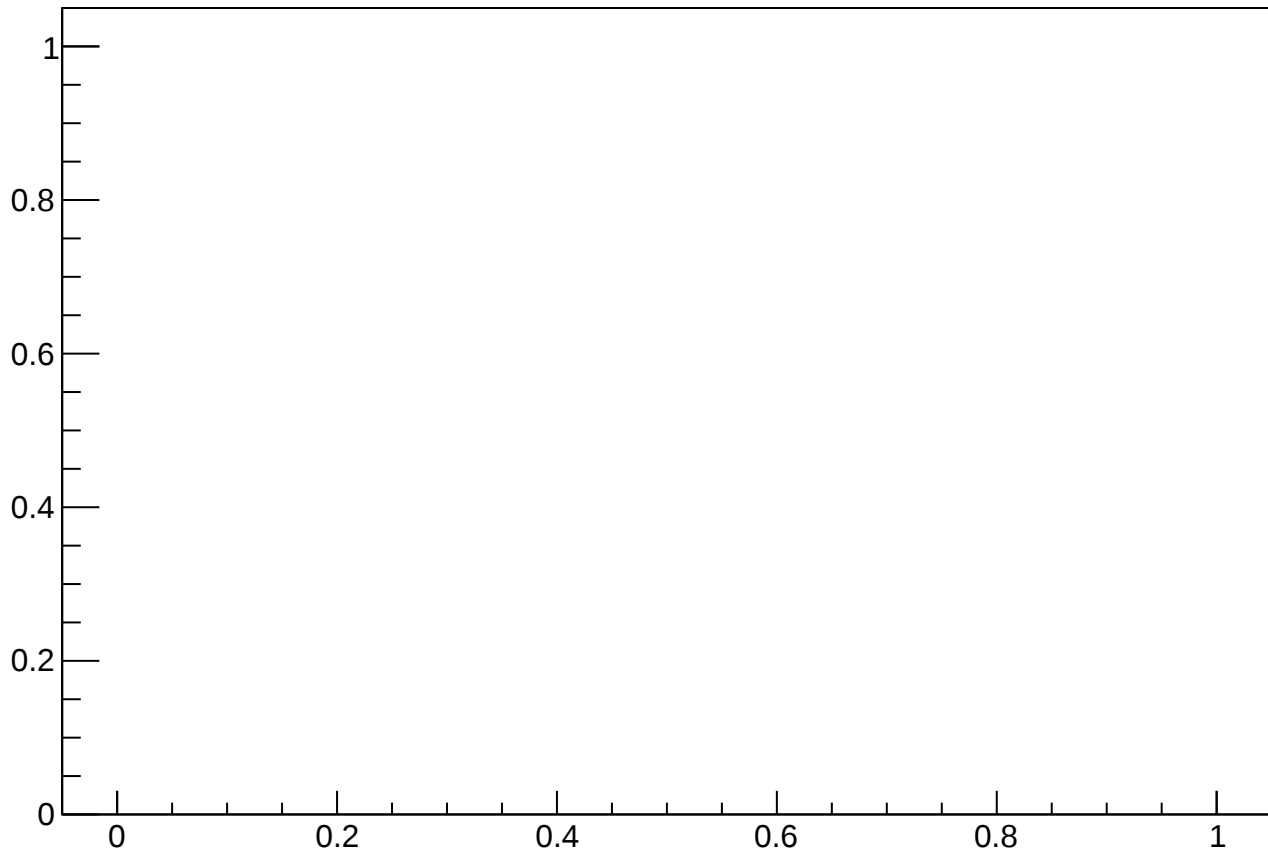
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

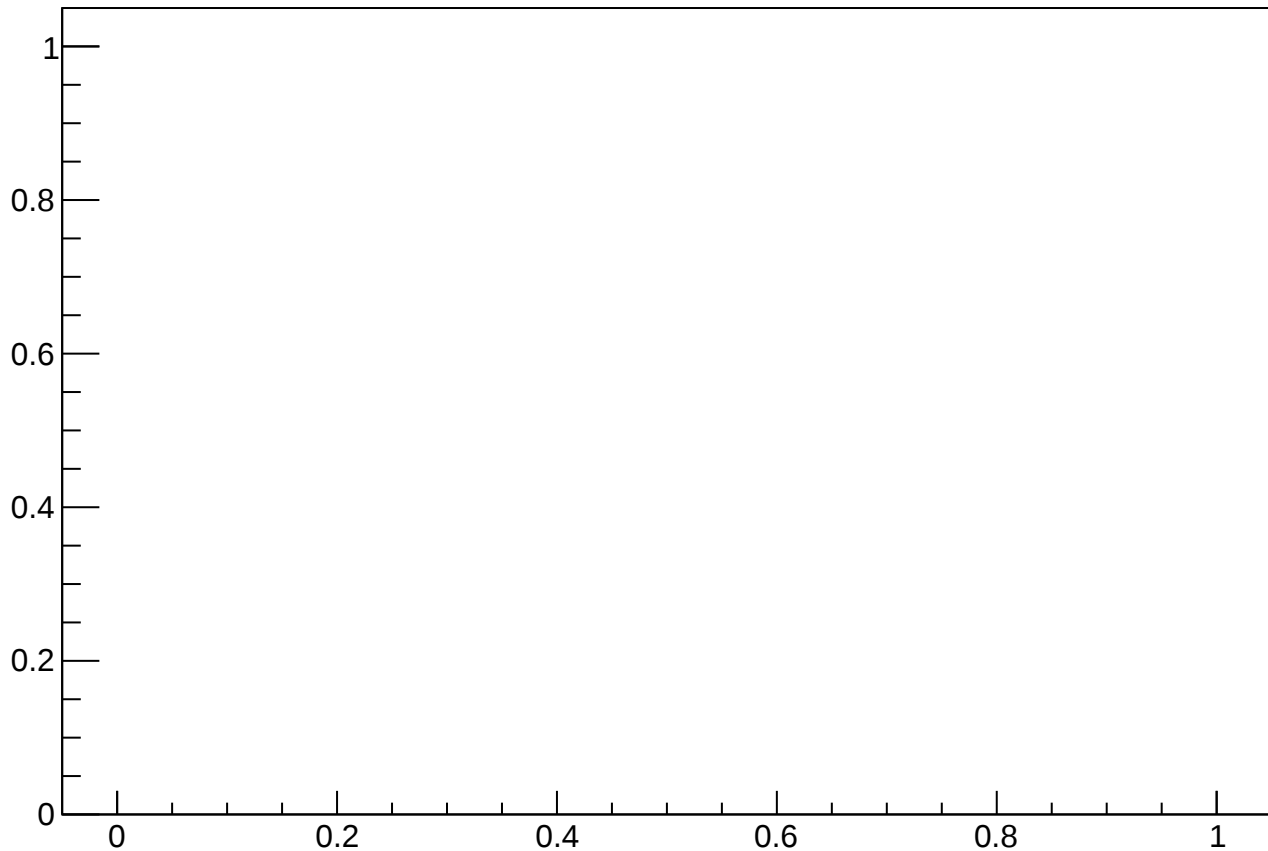
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

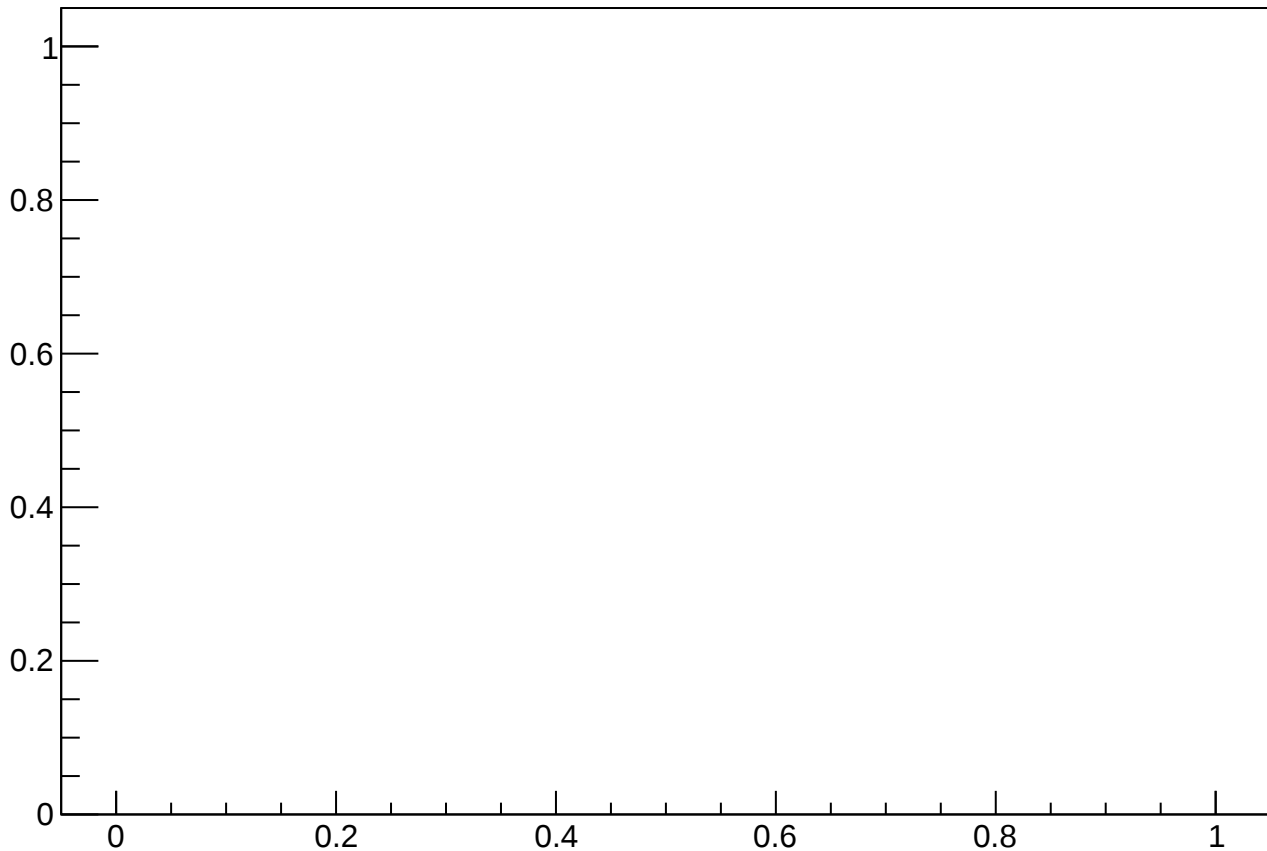
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

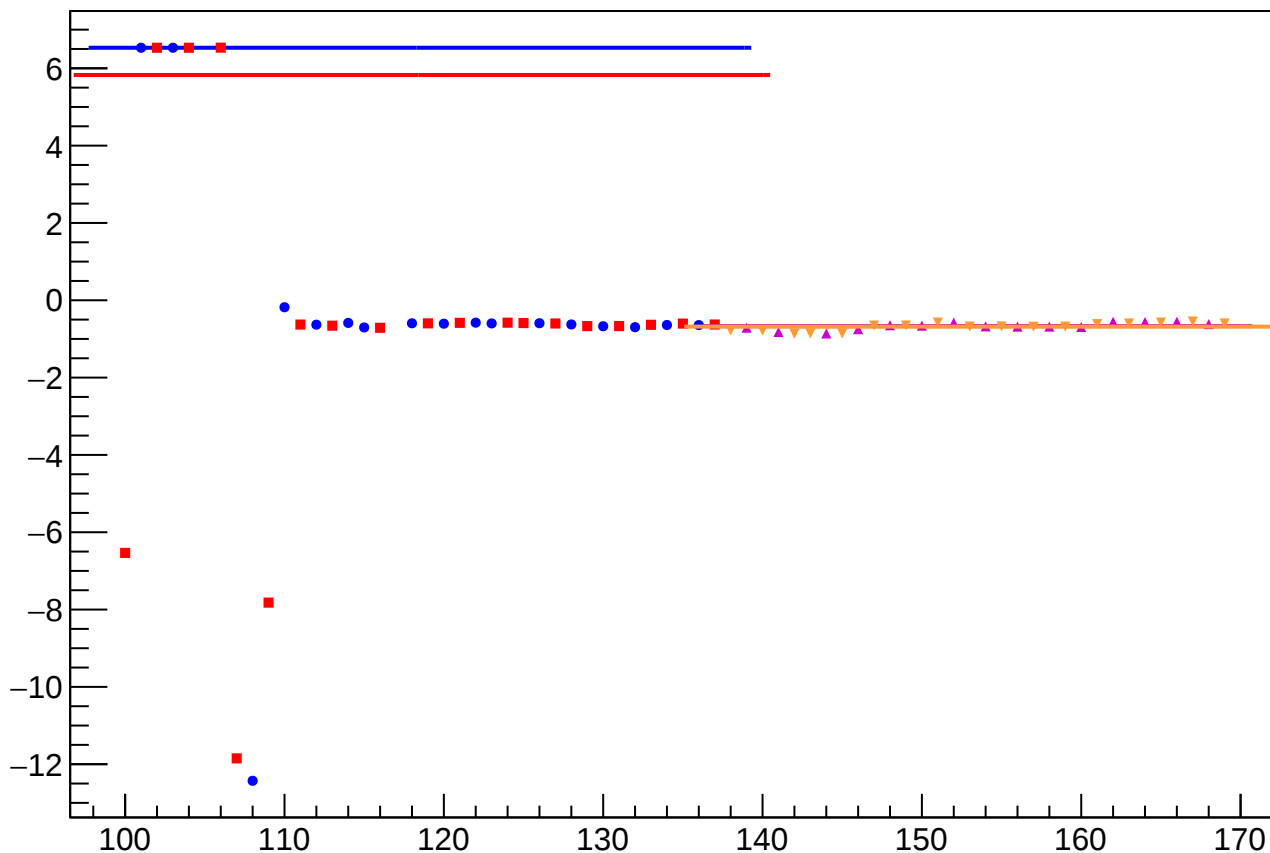
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 127219747629.7/16

Left Out: -0.681 $\pm$ 0.000 χ^2 /NDF: 126367466.9/16

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755963218053643.4/18

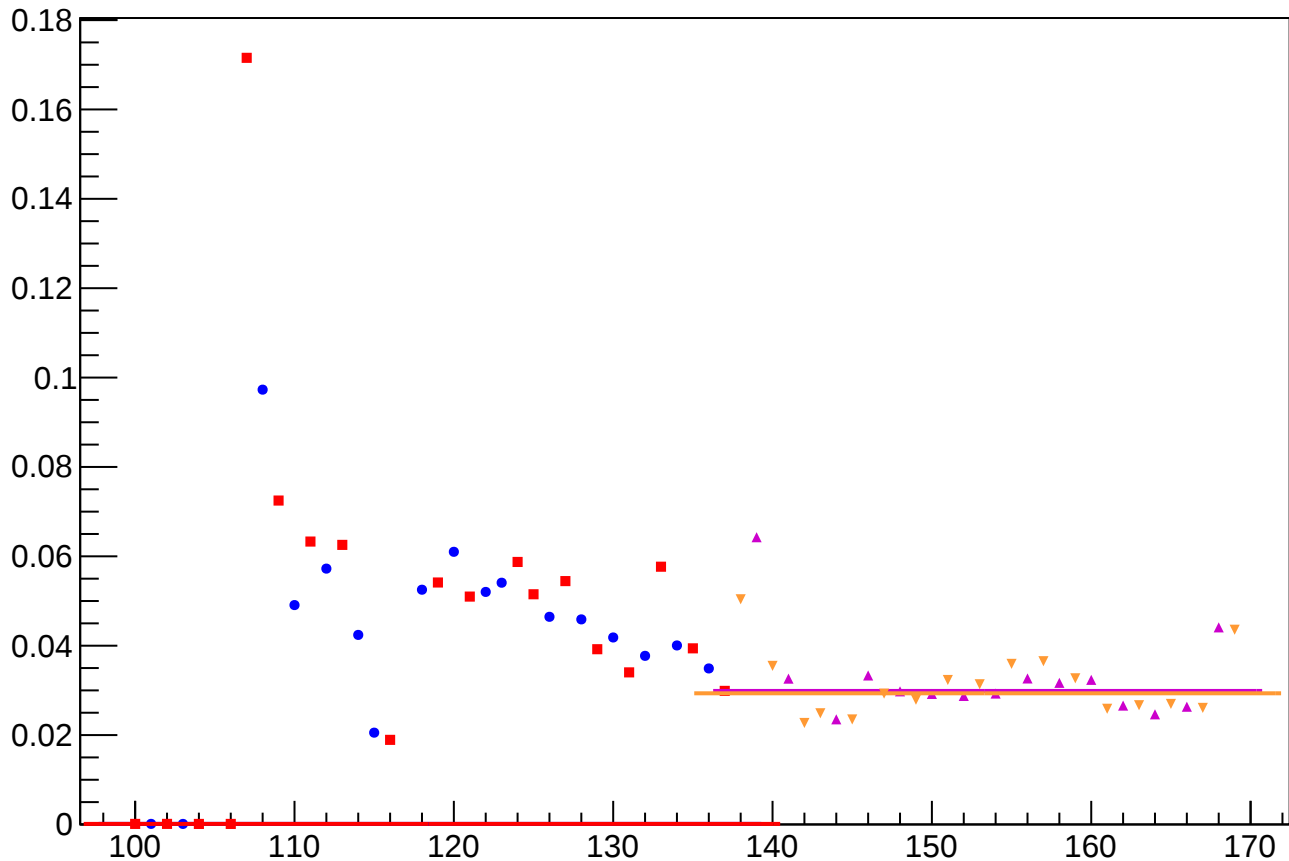
Left In: -0.669 $\pm$ 0.000 χ^2 /NDF: 95225564.4/14

+ sign 6.531 $\pm$ 0.000 χ^2 /NDF: 731766657460.8/33

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77712263878164

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756402831865399.9/18

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.029+/-0.000 χ^2/NDF : 724284.6/16

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

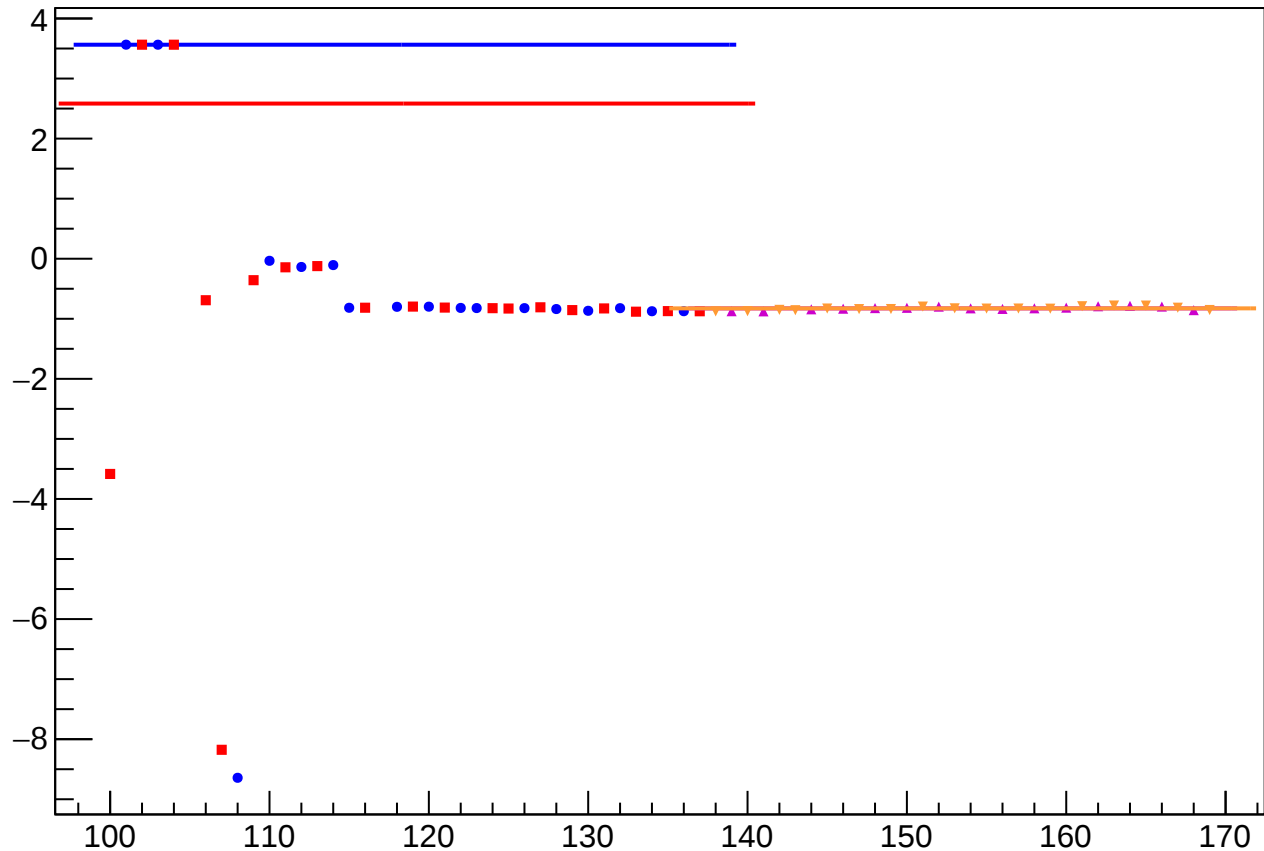
Left In: 0.030+/-0.000 χ^2/NDF : 762684.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 29454890.2/33

All: 0.000+/-0.000 χ^2/NDF : 58008091.2/67

- sign 0.000+/-0.000 χ^2/NDF : 28552621.8/33

yield_cav4bY_mean vs Slug



Right In: 3.563 ± 0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.827 ± 0.000 χ^2/NDF : 132383642.7/16

Right Out: 2.583 ± 0.000 χ^2/NDF : 1253502070019187.0/18

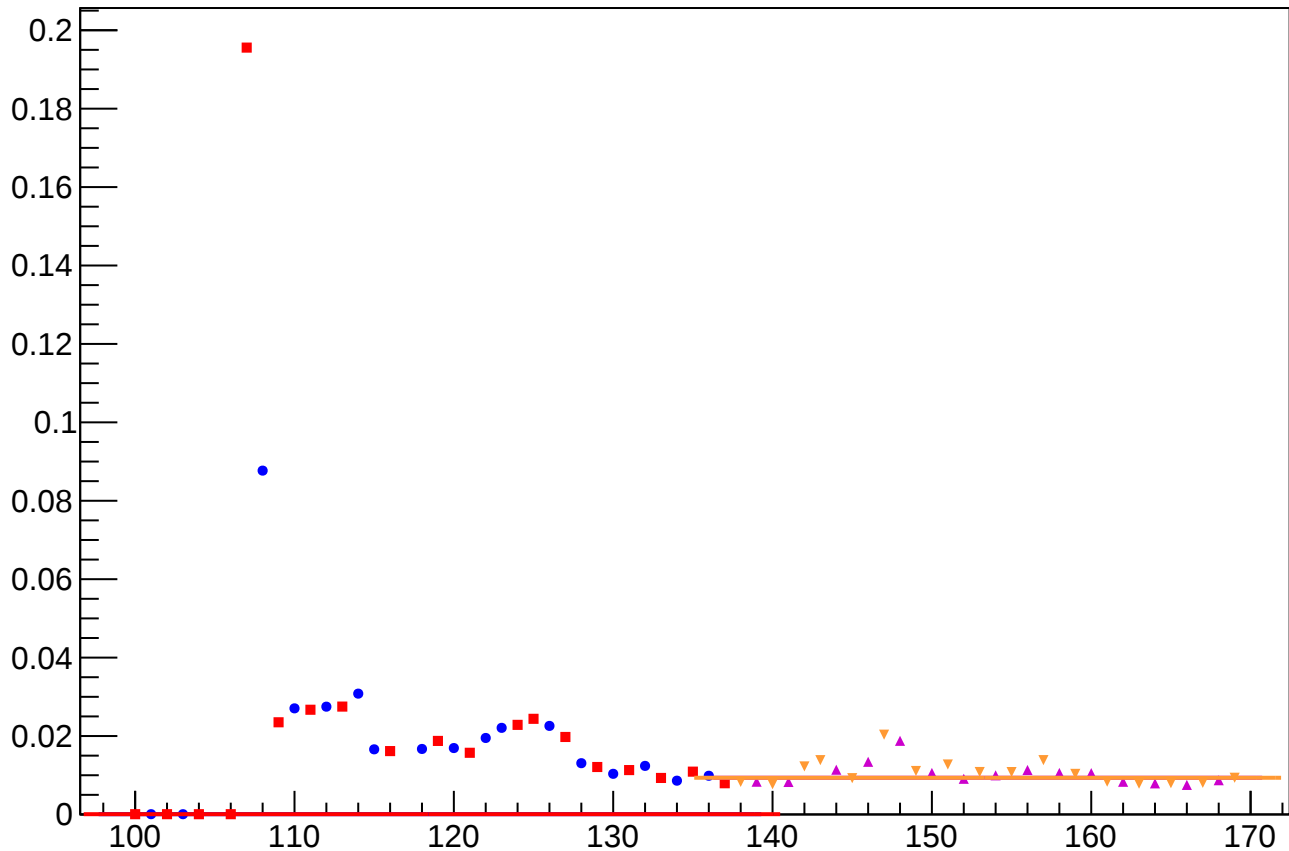
Left In: -0.827 ± 0.000 χ^2/NDF : 108857631.8/14

+ sign 3.561 ± 0.000 χ^2/NDF : 2705070024948.4/33

All: 3.039 ± 0.000 χ^2/NDF : 1385574220935

- sign 2.582 ± 0.000 χ^2/NDF : 1254741906115257.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :1061659.9/16

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

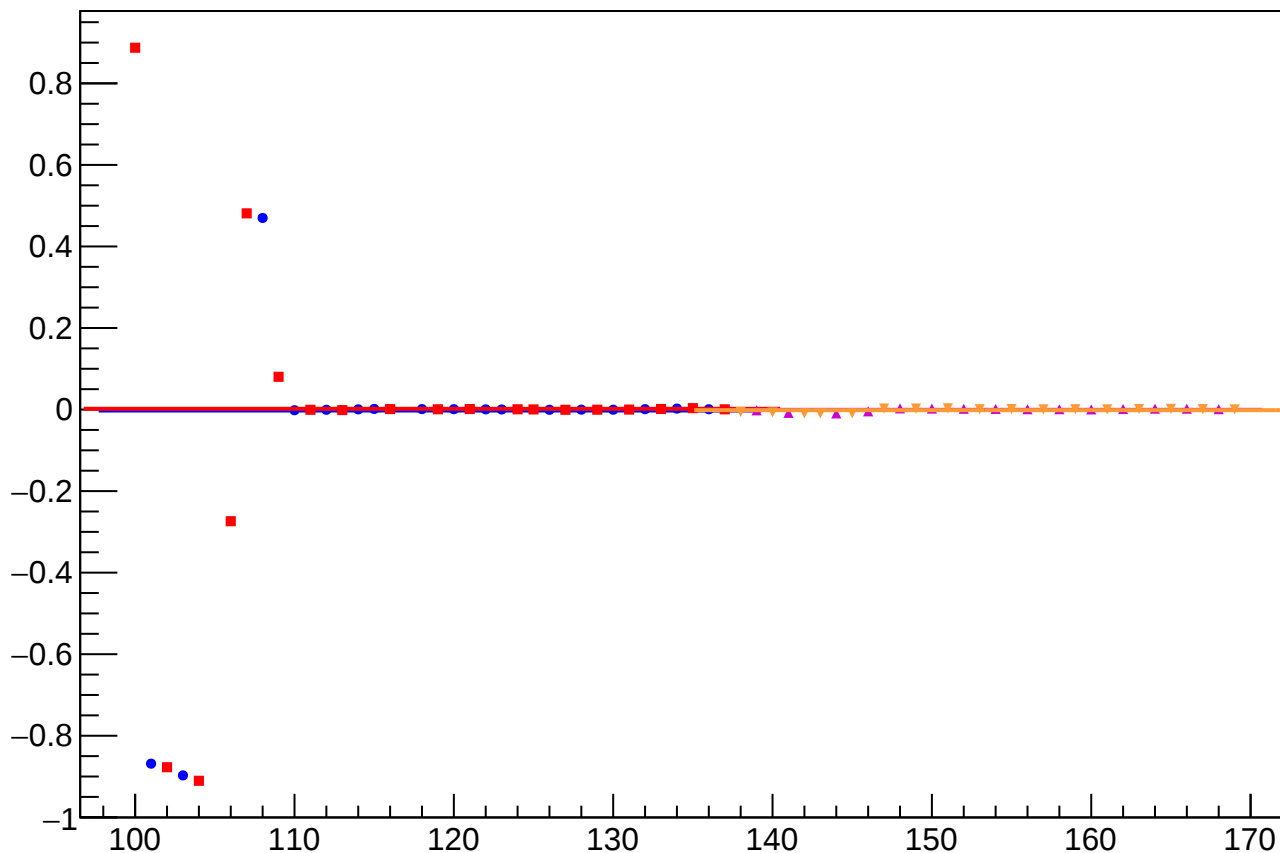
Left In: 0.009+/-0.000 χ^2/NDF :755638.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 30692177.3/33

All: 0.000+/-0.000 χ^2/NDF : 59711303.7/67

- sign 0.000+/-0.000 χ^2/NDF : 29018223.8/33

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.002 ± 0.000 χ^2/NDF : 93220628.8/16

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041319824.4/18

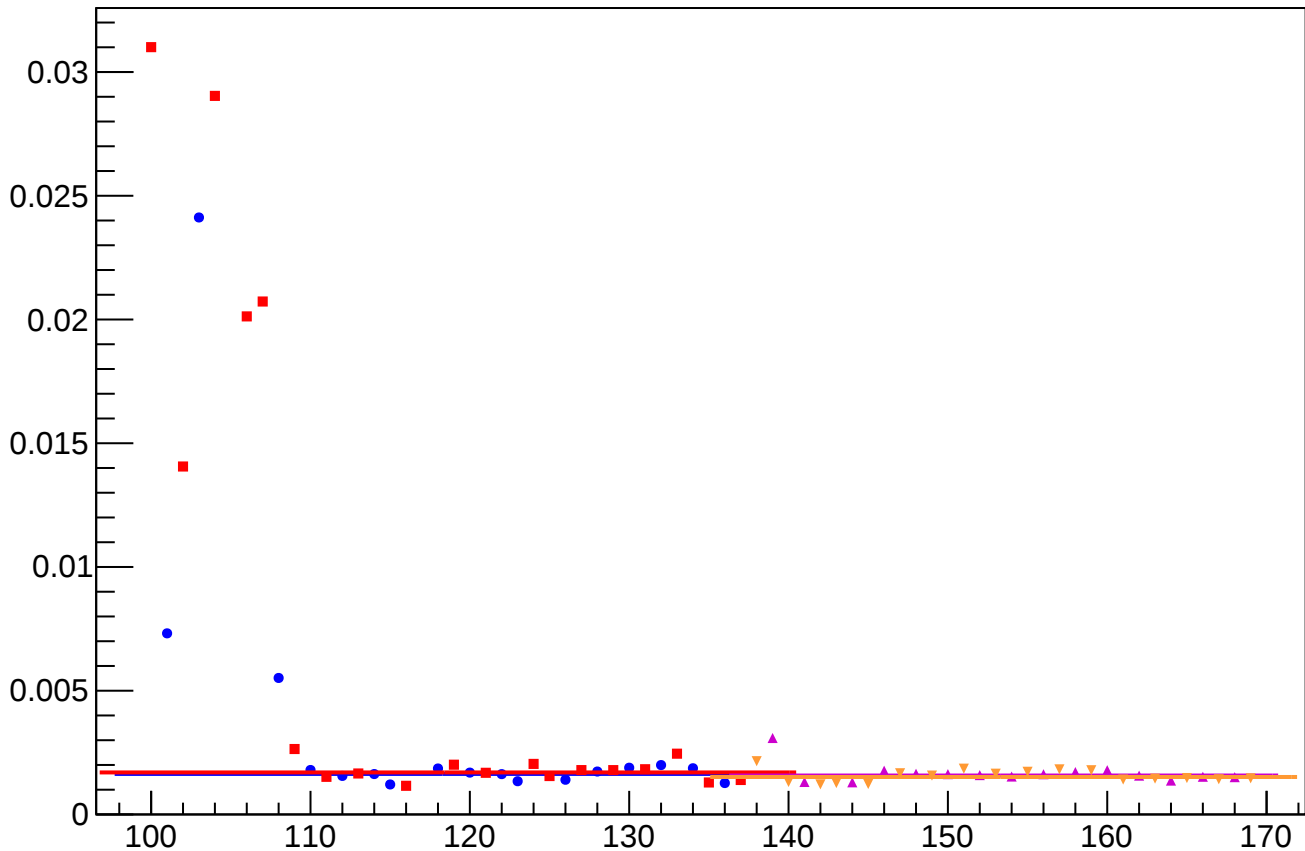
Left In: -0.001 ± 0.000 χ^2/NDF : 66520748.3/14

+ sign -0.002 ± 0.000 χ^2/NDF : 9888936821.2/33

All: -0.001 ± 0.000 χ^2/NDF : 13012914311.4/33

- sign 0.000 ± 0.000 χ^2/NDF : 3115072557.3/33

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 428889.1/16

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

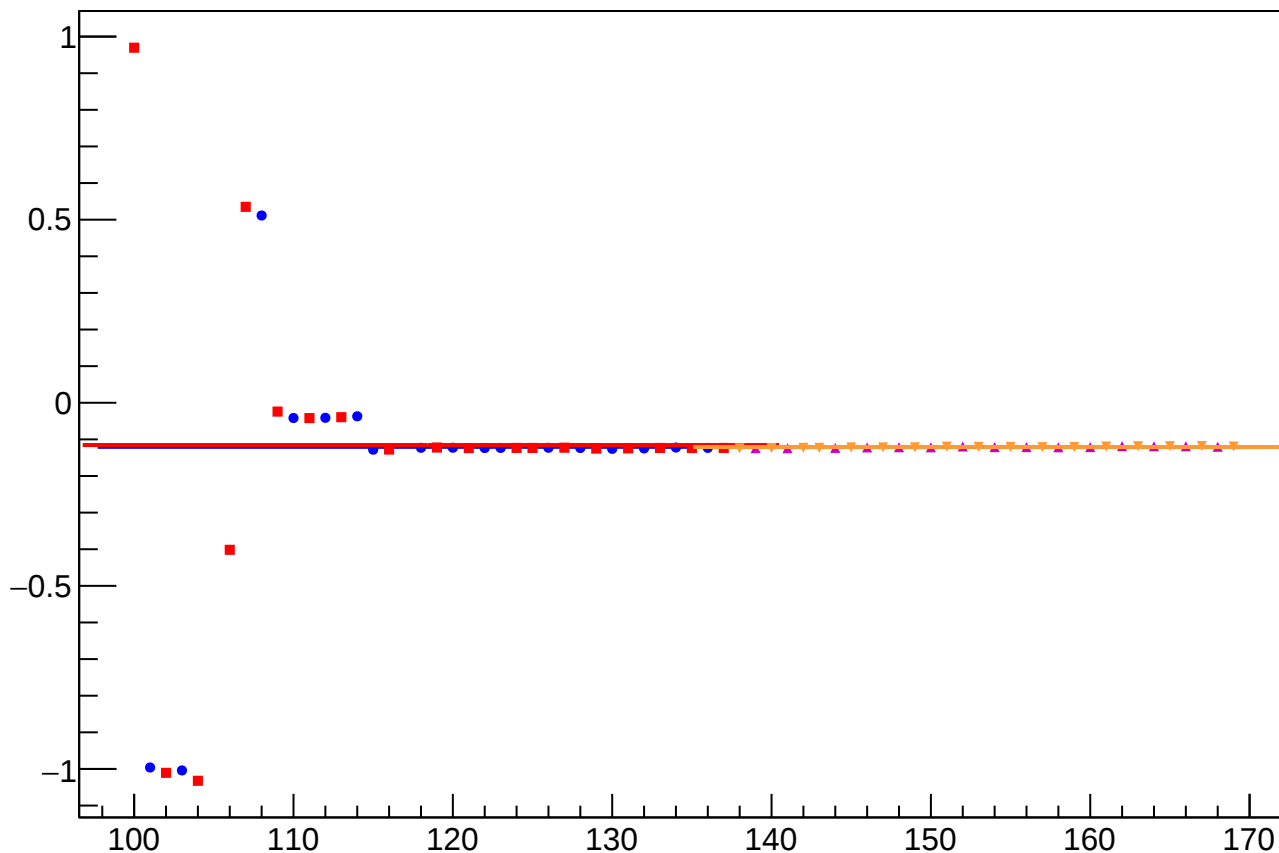
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 525109.4/14

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2382429.6/33

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5986847.5/67

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3583268.1/33

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.121+/-0.000 χ^2/NDF : 32120441.9/16

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

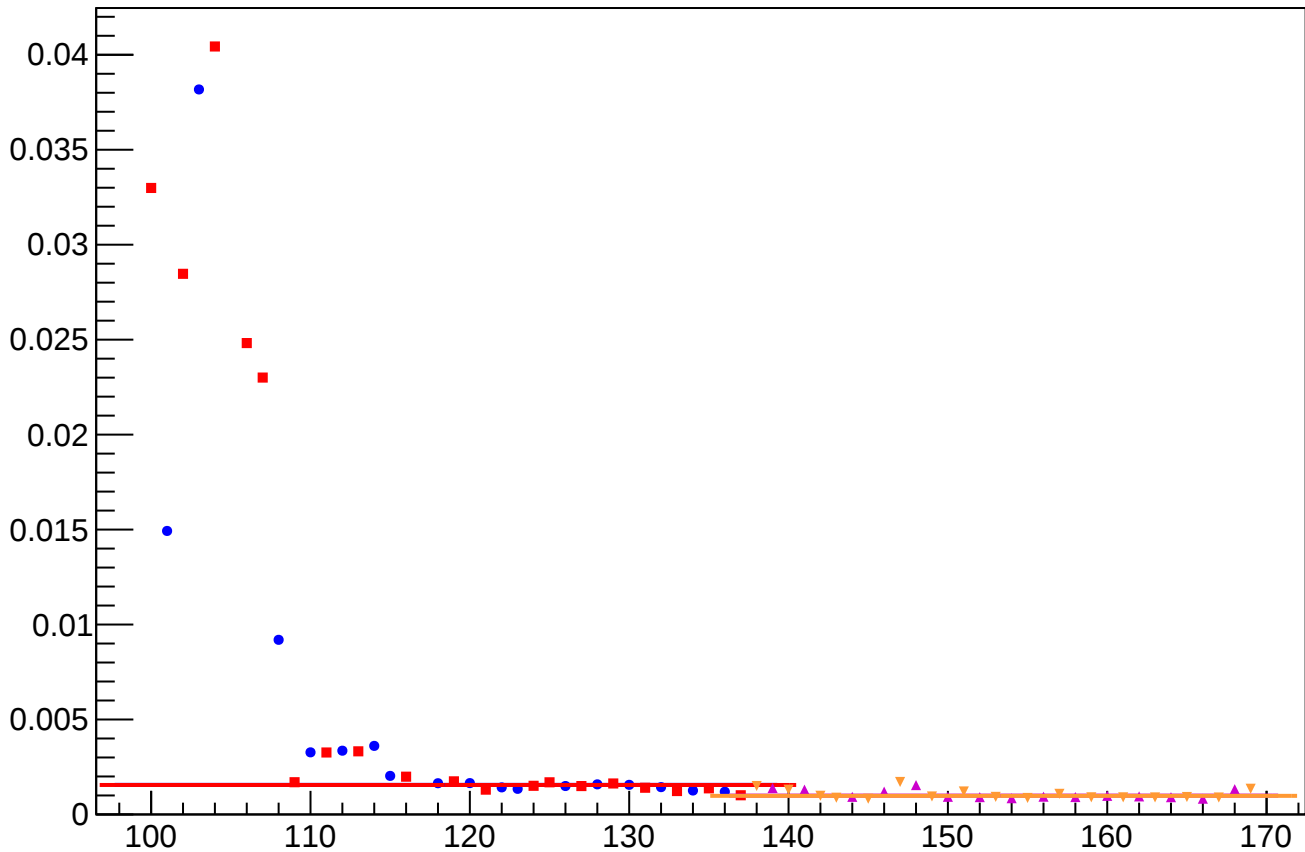
Left In: -0.121+/-0.000 χ^2/NDF : 28408834.1/14

+ sign -0.121+/-0.000 χ^2/NDF : 3964697110.6/33

All: -0.120+/-0.000 χ^2/NDF : 6501219179.0/6

- sign -0.120+/-0.000 χ^2/NDF : 2533242718.0/33

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:840906.8/16

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

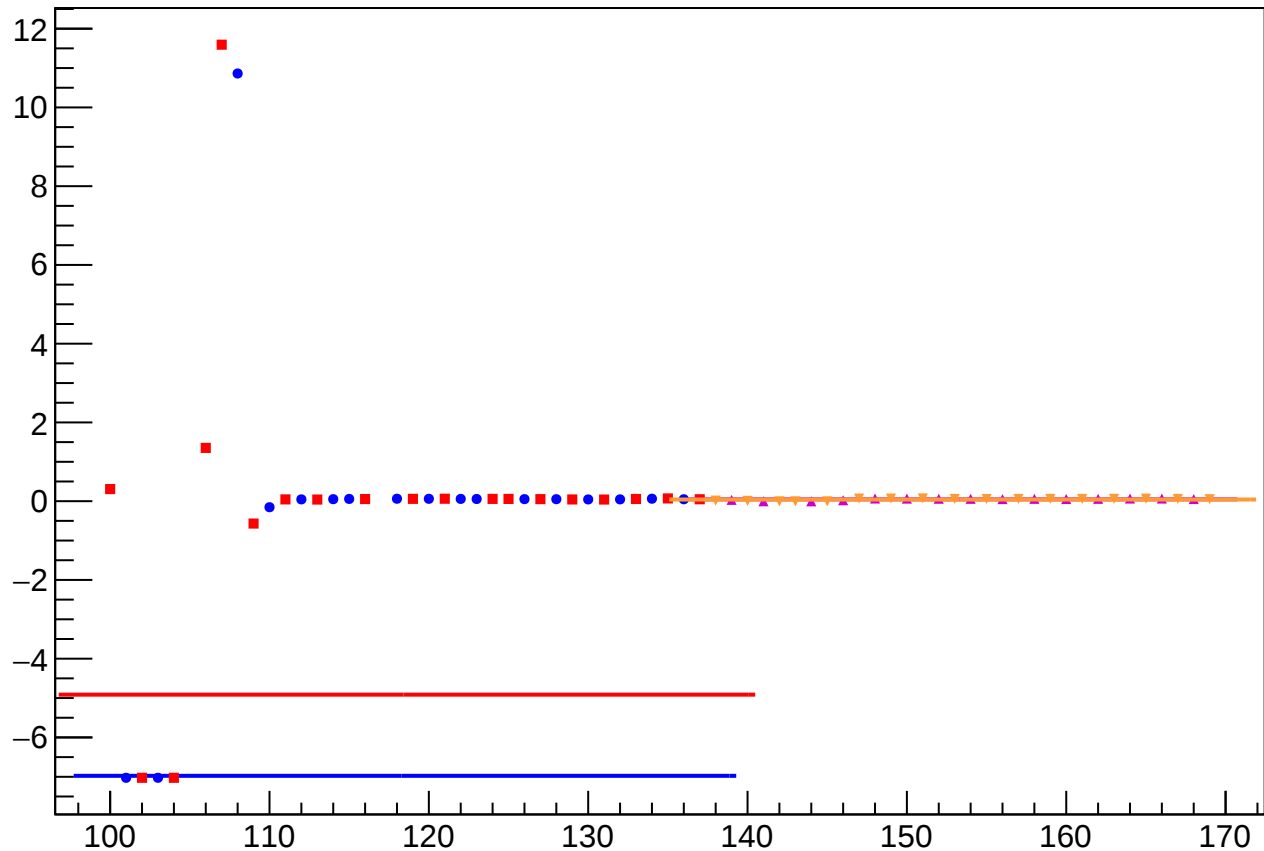
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:666496.7/14

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4825049.4/33

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10047733.5/67

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5218697.3/33

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.042+/-0.000 χ^2/NDF : 94671858.5/16

Right Out: -4.914+/-0.000 χ^2/NDF : 365358092730279.9/18

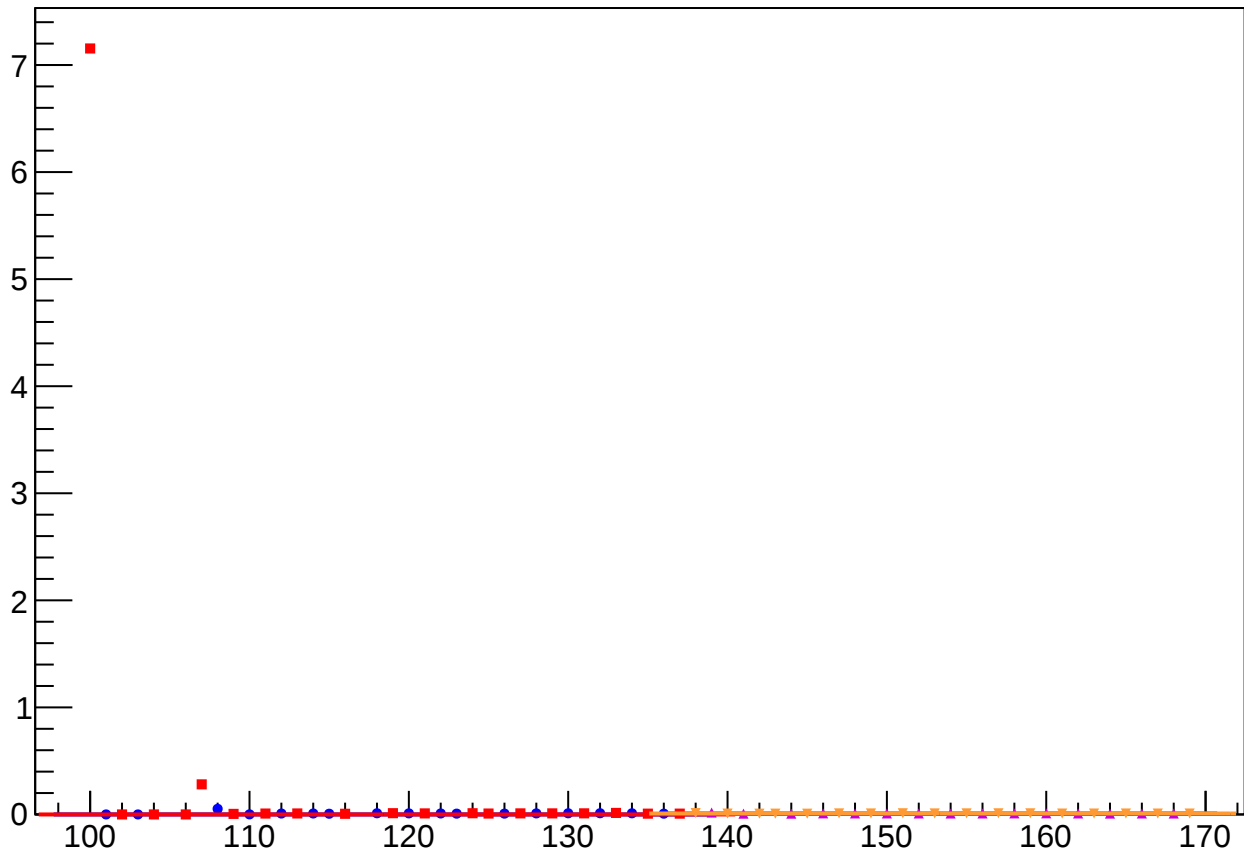
Left In: 0.046+/-0.000 χ^2/NDF : 74060556.8/14

+ sign -6.940+/-0.000 χ^2/NDF : 14973297821969.6/16

All: -5.873+/-0.000 χ^2/NDF : 4386237752914.0/16

- sign -4.894+/-0.000 χ^2/NDF : 368039301675180.6/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 422225.0/16

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

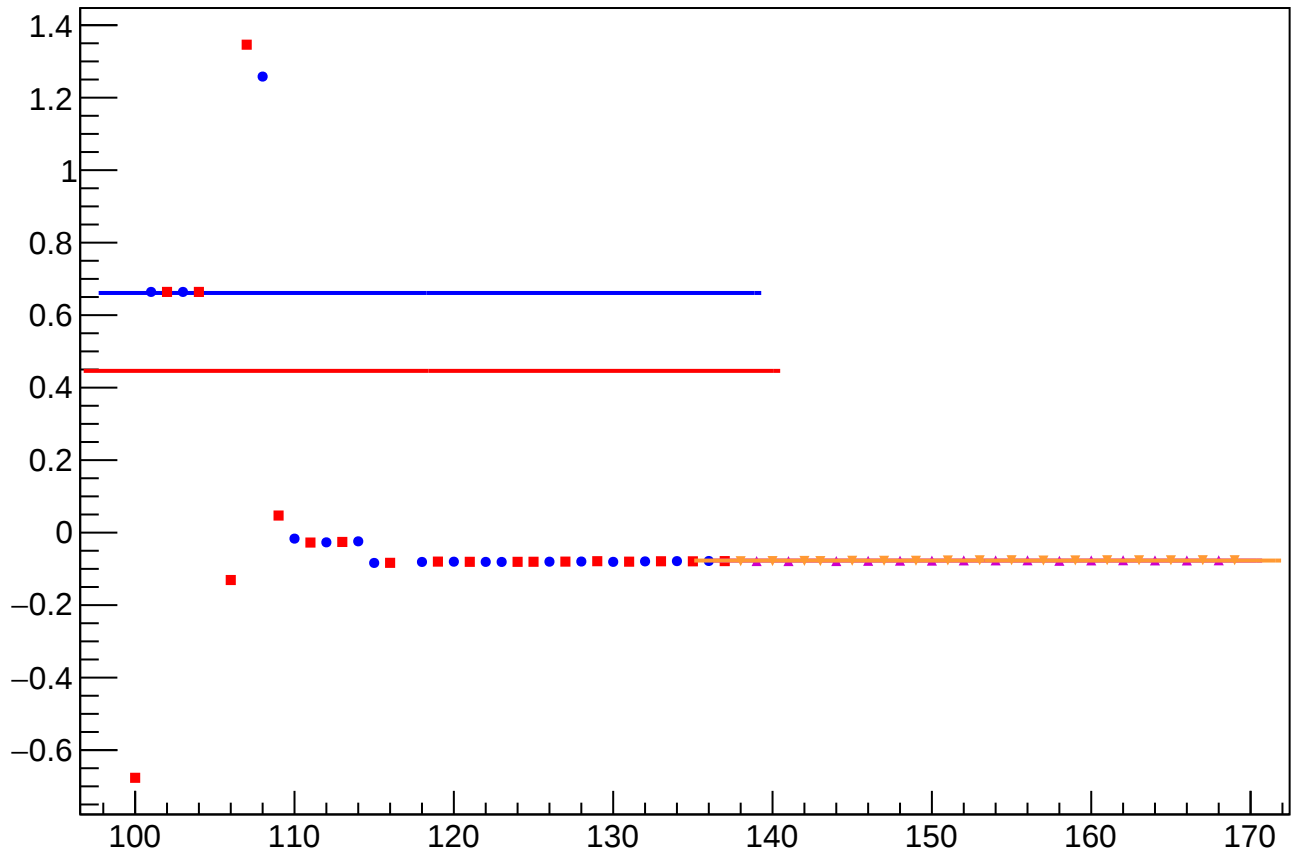
Left In: 0.009+/-0.000 χ^2/NDF : 517654.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 28041279.1/33

All: 0.000+/-0.000 χ^2/NDF : 55425793.3/67

- sign 0.000+/-0.000 χ^2/NDF : 27381276.0/33

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5607525081216.0/16

Left Out: -0.077 $\pm$ 0.000 χ^2 /NDF: 32218405.3/16

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405416924315199.0/18

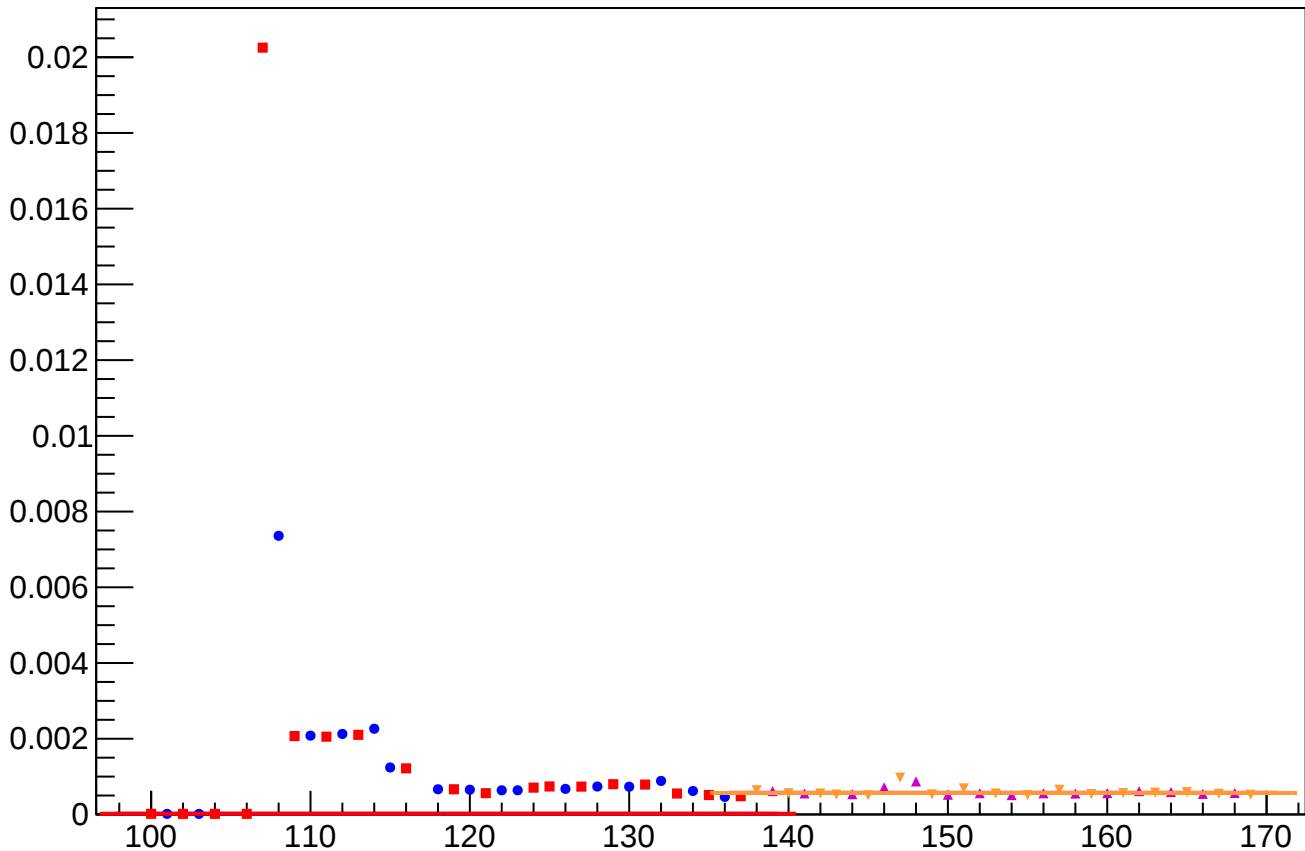
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 21796285.5/14

+ sign 0.651 $\pm$ 0.000 χ^2 /NDF: 25765954052157.2/3

All: 0.541 $\pm$ 0.000 χ^2 /NDF: 5016105221189

- sign 0.440 $\pm$ 0.000 χ^2 /NDF: 414622560195959.2/3

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 423458.0/16

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

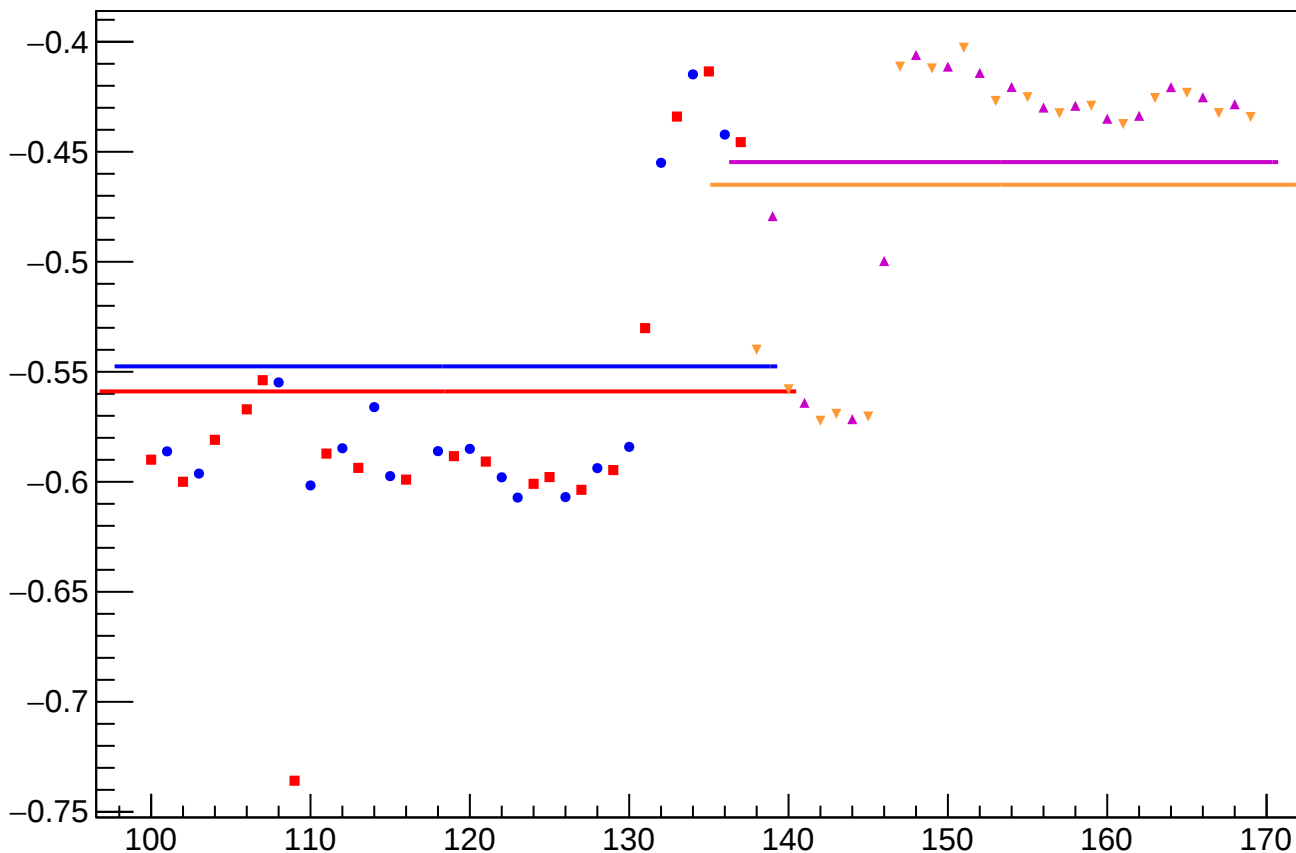
Left In: 0.001+/-0.000 χ^2/NDF : 315839.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 32499981.4/33

All: 0.000+/-0.000 χ^2/NDF : 62926257.0/67

- sign 0.000+/-0.000 χ^2/NDF : 30421587.5/33

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.465+/-0.000 χ^2/NDF : 104146388.1/16

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

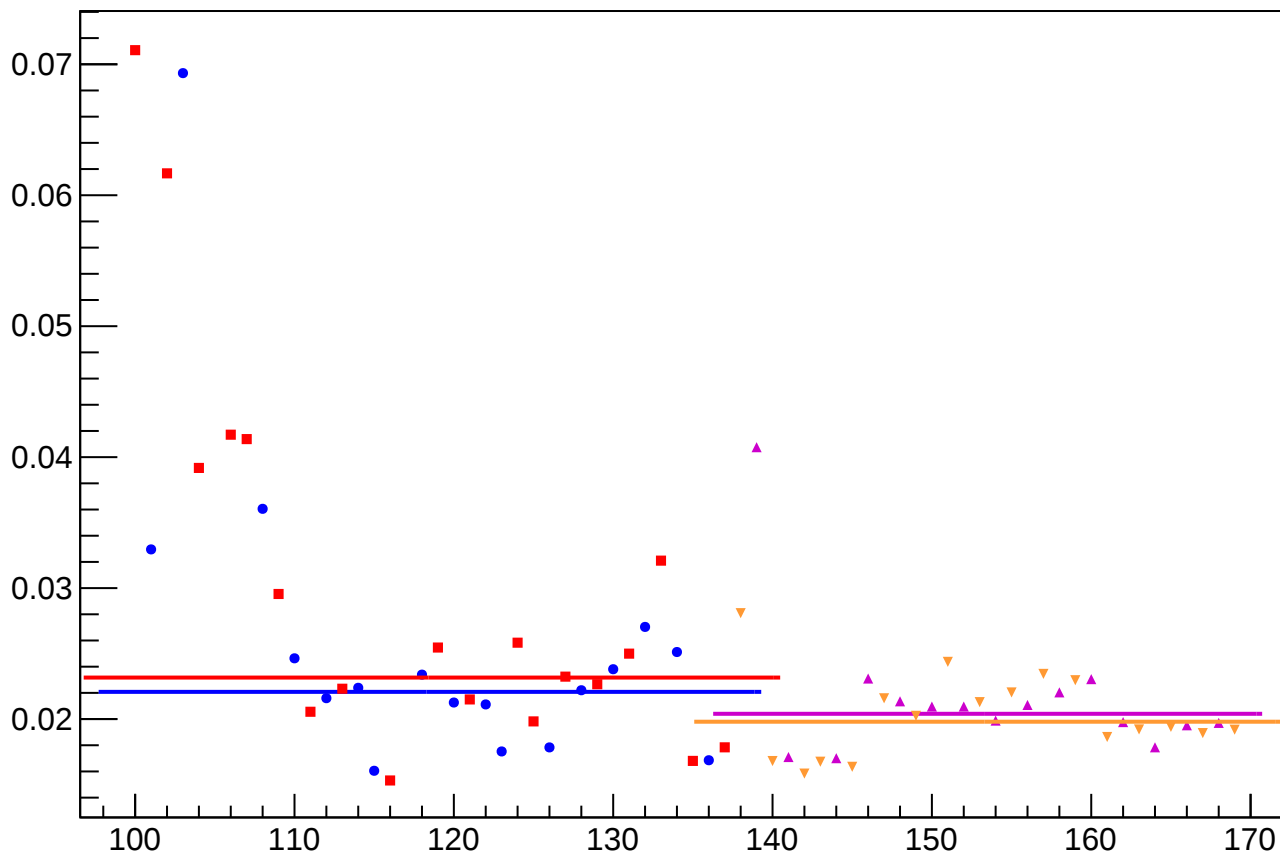
Left In: -0.455+/-0.000 χ^2/NDF : 73945389.1/14

+ sign -0.489+/-0.000 χ^2/NDF : 203021852.4/33

All: -0.488+/-0.000 χ^2/NDF : 417215951.8/67

- sign -0.486+/-0.000 χ^2/NDF : 214116054.6/33

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020 ± 0.000 χ^2/NDF : 397969.3/16

Right Out: 0.023 ± 0.000 χ^2/NDF : 1156758.3/18

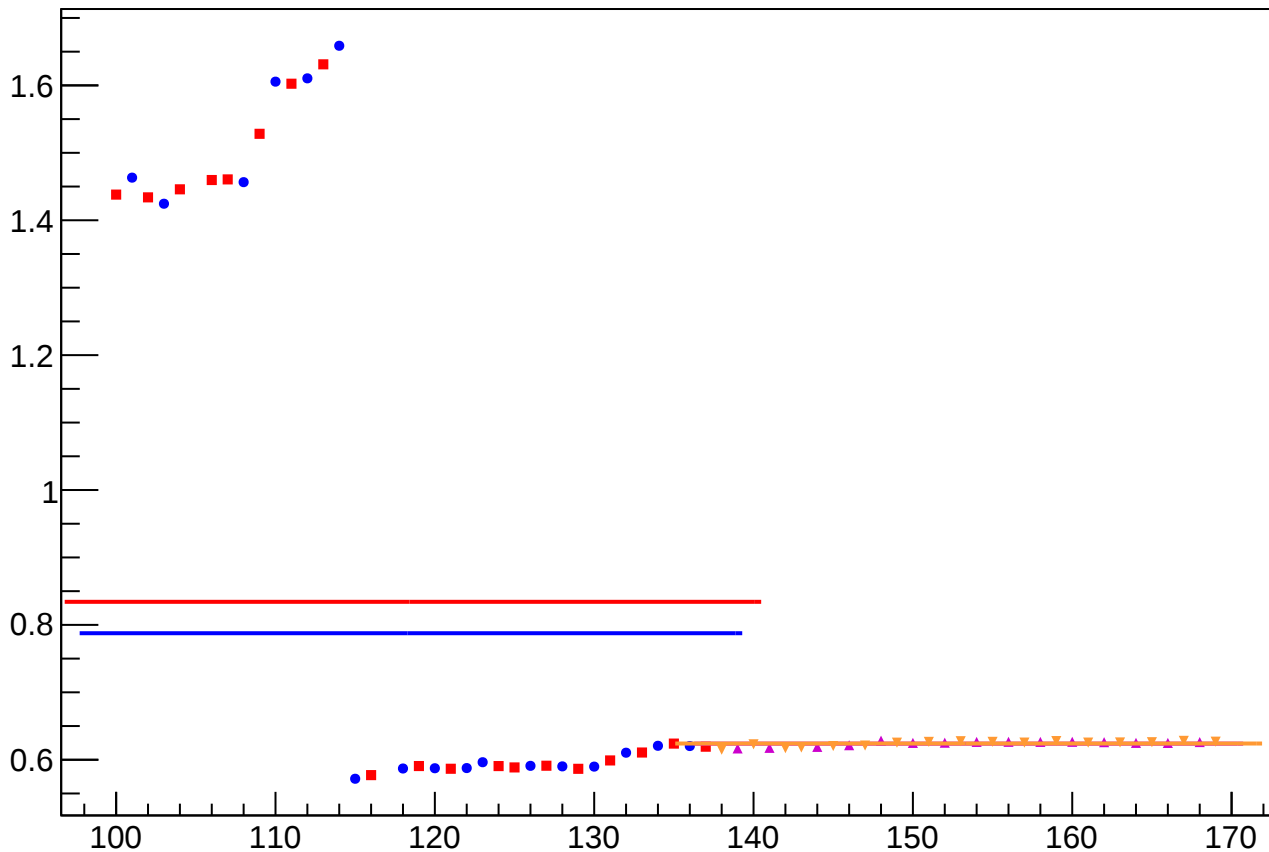
Left In: 0.020 ± 0.000 χ^2/NDF : 527271.1/14

+ sign 0.020 ± 0.000 χ^2/NDF : 1429530.0/33

All: 0.021 ± 0.000 χ^2/NDF : 3240703.2/67

- sign 0.021 ± 0.000 χ^2/NDF : 1789495.1/33

yield_bpm4aY_mean vs Slug



Right In: 0.788 ± 0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.624 ± 0.000 χ^2/NDF : 1181129.6/16

+ sign 0.668 ± 0.000 χ^2/NDF : 4144390082.0/33

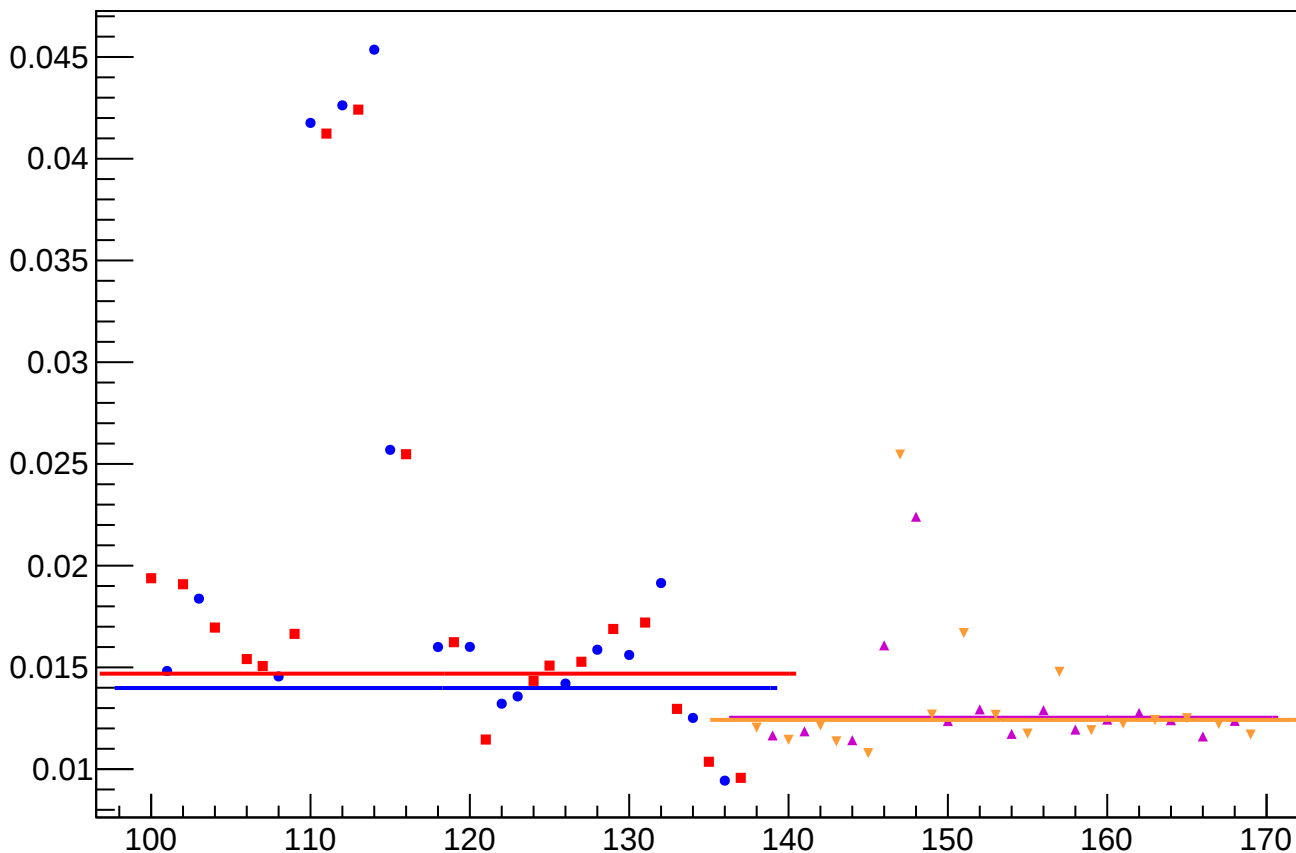
Right Out: 0.834 ± 0.000 χ^2/NDF : 4152115639.4/18

All: 0.675 ± 0.000 χ^2/NDF : 9194455116.0/67

- sign 0.683 ± 0.000 χ^2/NDF : 5038789744.7/33

Left In: 0.624 ± 0.000 χ^2/NDF : 906807.1/14

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:595526.8/16

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1258511.3/18

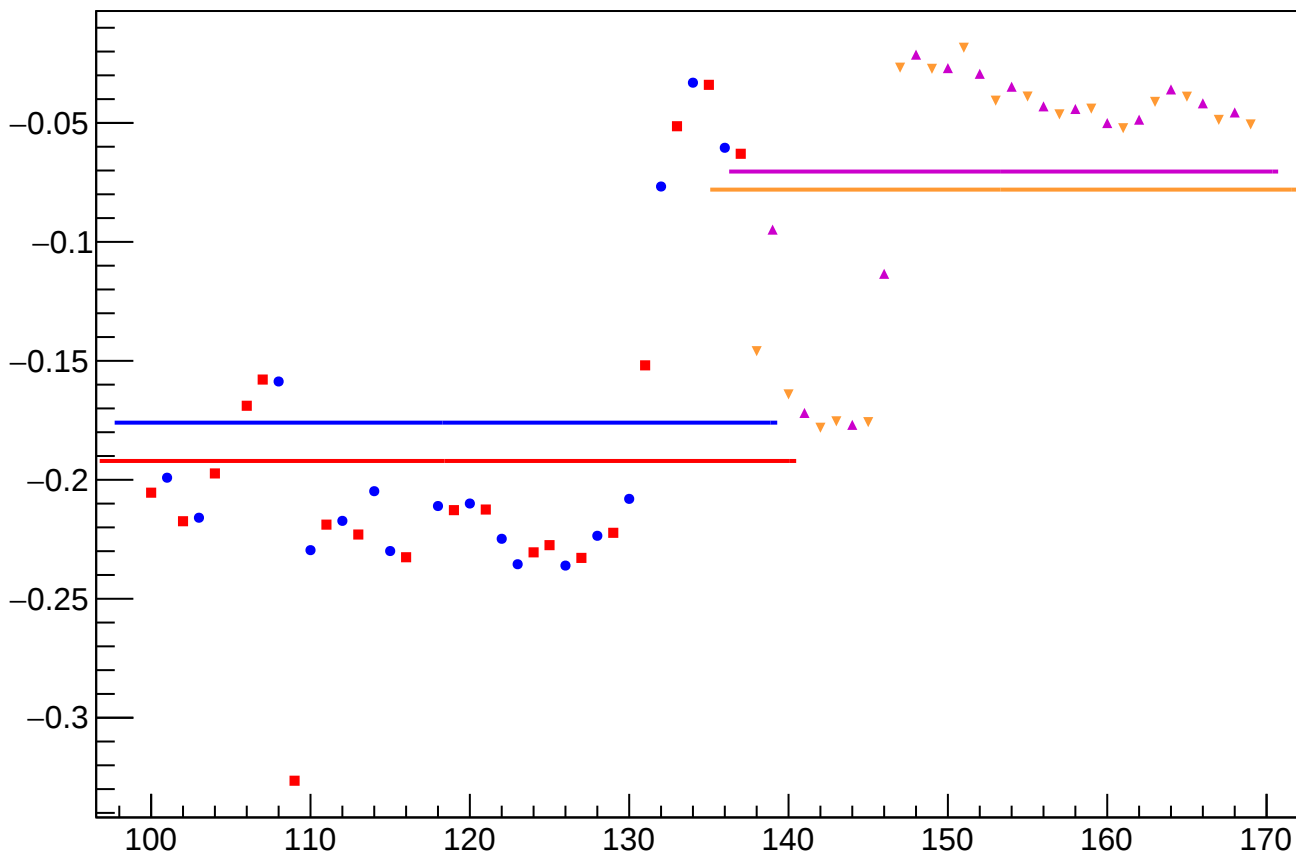
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:417614.3/14

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2096917.9/33

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3969701.8/67

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1864033.0/33

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.078+/-0.000 χ^2/NDF : 99263014.3/16

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

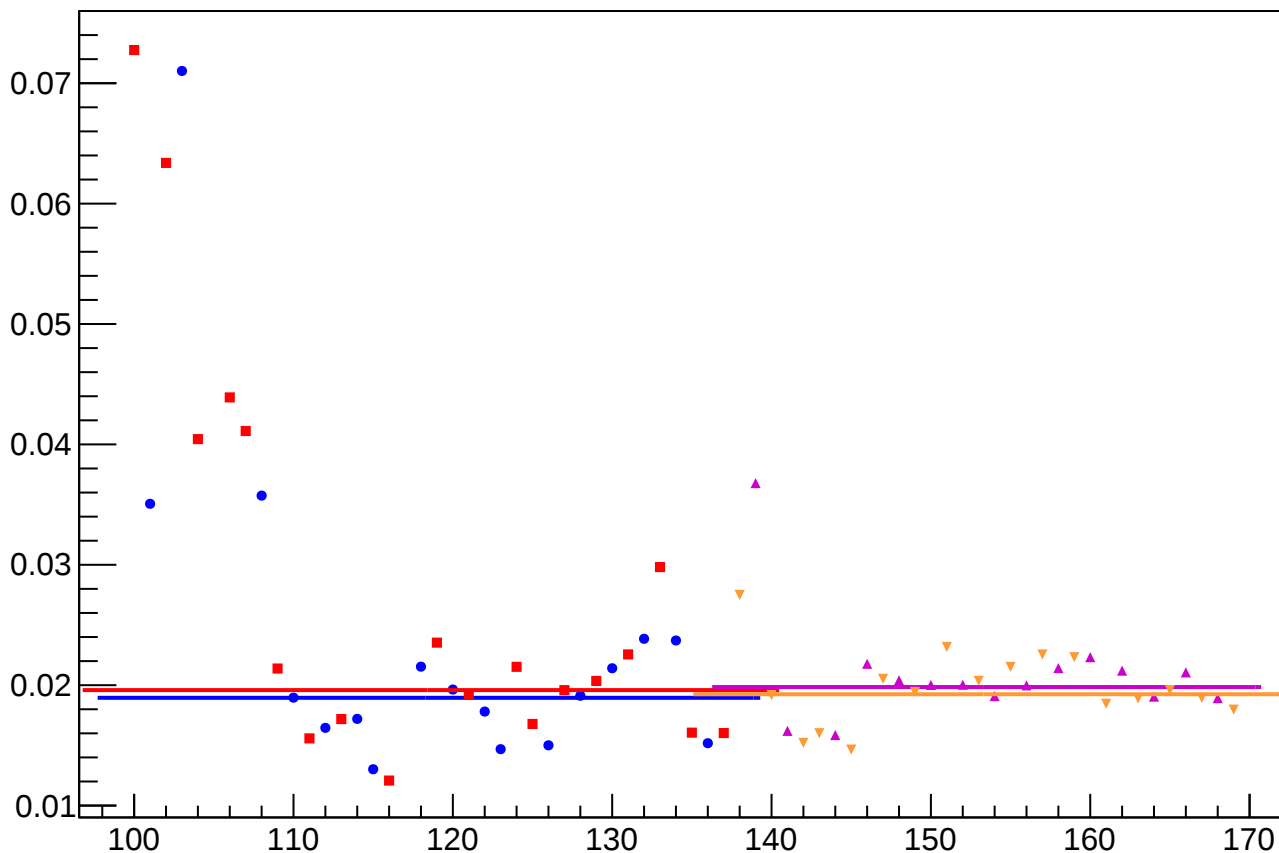
Left In: -0.070+/-0.000 χ^2/NDF : 74227622.3/14

+ sign -0.111+/-0.000 χ^2/NDF : 257583613.1/33

All: -0.112+/-0.000 χ^2/NDF : 543392551.4/67

- sign -0.114+/-0.000 χ^2/NDF : 285568821.4/33

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 425329.1/16

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

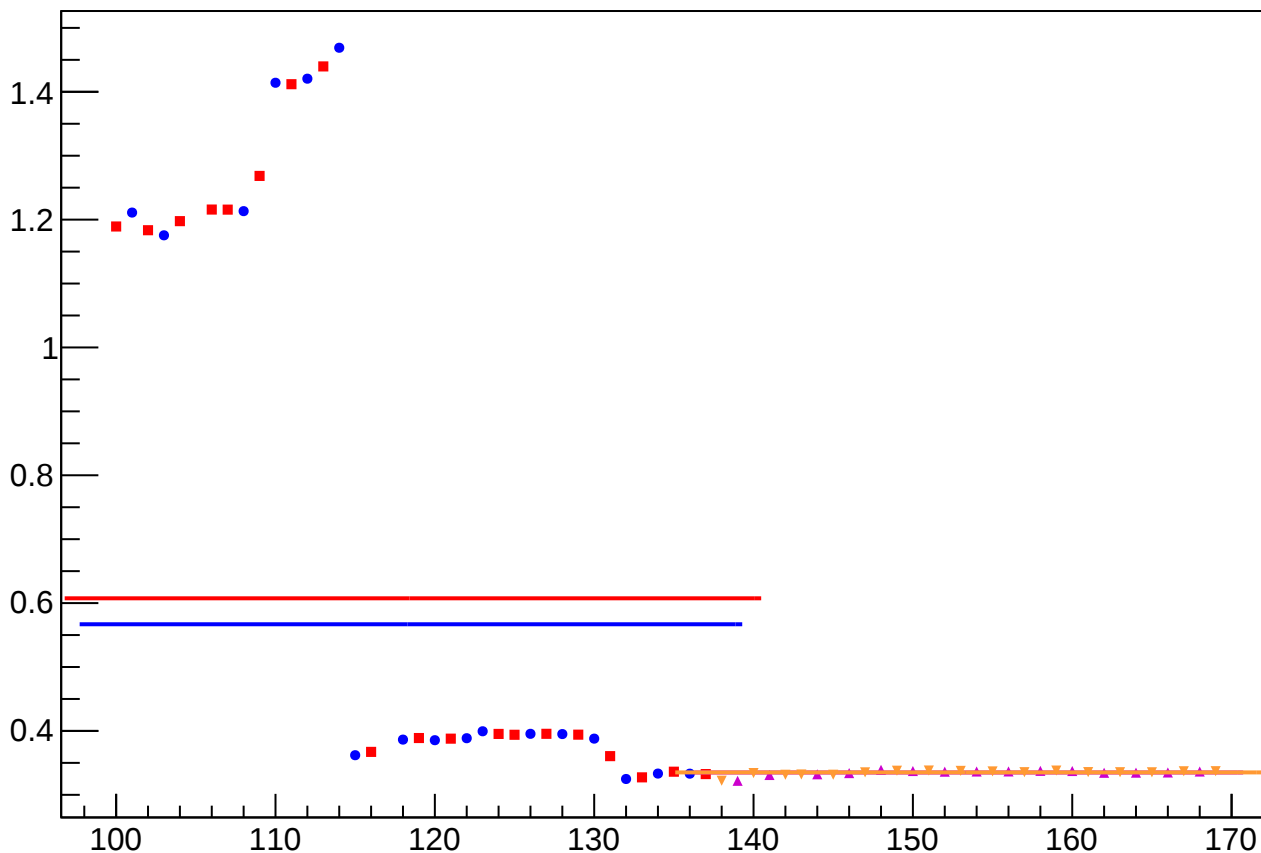
Left In: 0.020+/-0.000 χ^2/NDF : 496913.4/14

+ sign 0.019+/-0.000 χ^2/NDF : 1630219.1/33

All: 0.019+/-0.000 χ^2/NDF : 3597991.3/67

- sign 0.020+/-0.000 χ^2/NDF : 1953353.3/33

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2/NDF :1123874.4/16

Right Out: 0.607 $\pm$ 0.000 χ^2/NDF : 5505226431.3/18

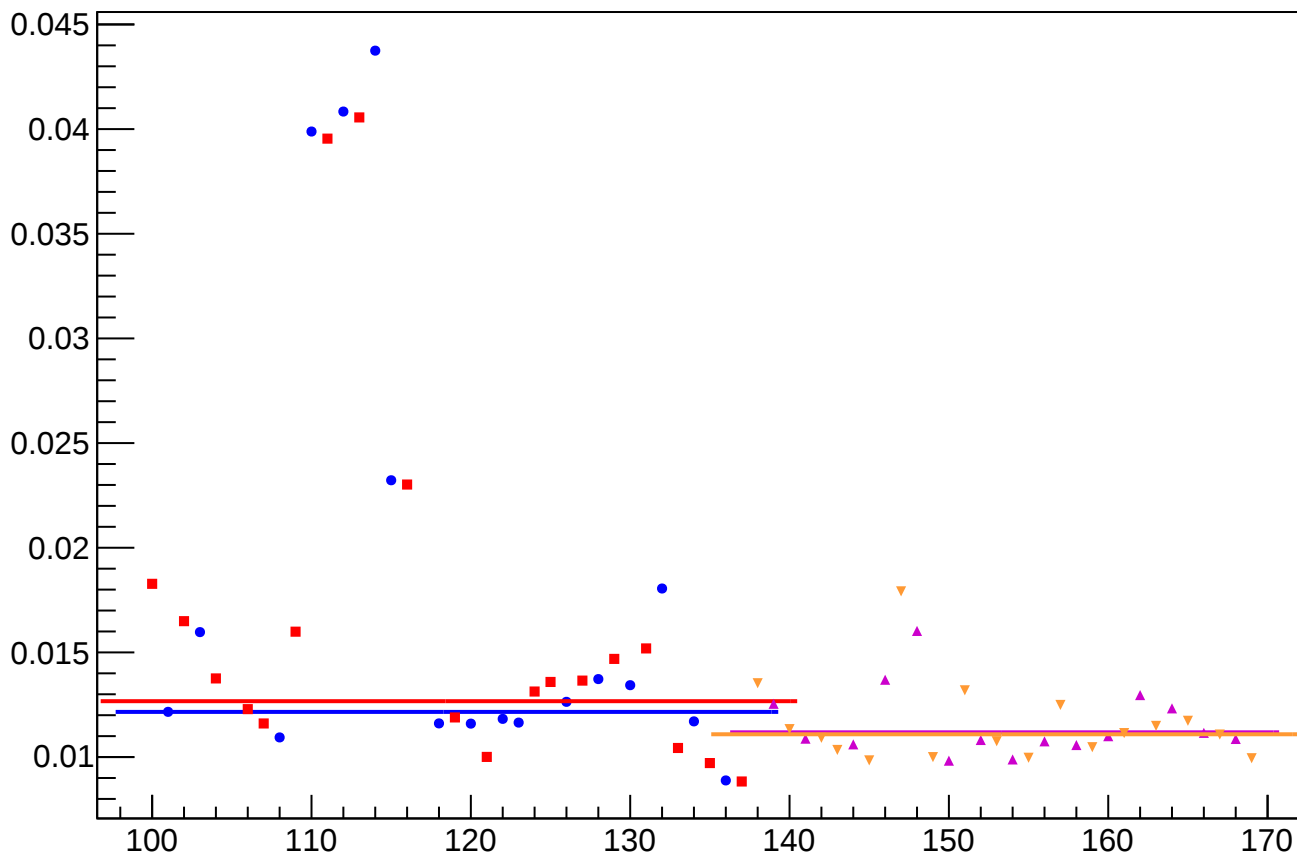
Left In: 0.335 $\pm$ 0.000 χ^2/NDF :1168639.2/14

+ sign 0.400 $\pm$ 0.000 χ^2/NDF : 6485694690.7/33

All: 0.407 $\pm$ 0.000 χ^2/NDF : 13934733578.0/6

- sign 0.414 $\pm$ 0.000 χ^2/NDF : 7435056610.9/33

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 421307.8/16

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1267219.4/18

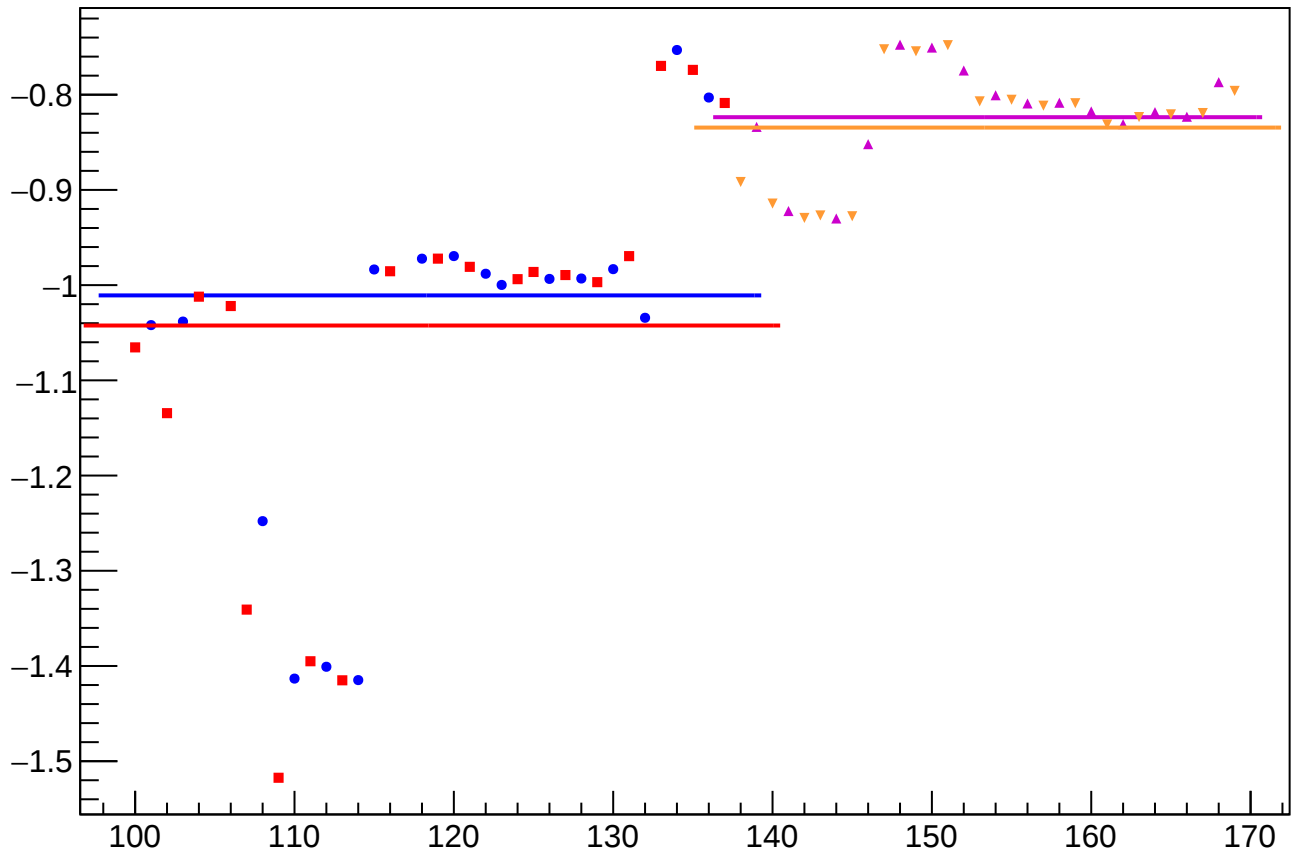
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 323005.1/14

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 1791644.0/33

All: 0.011 $\pm$ 0.000 χ^2/NDF : 3503527.6/67

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 1705055.8/33

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.835+/-0.000 χ^2/NDF : 96577670.7/16

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

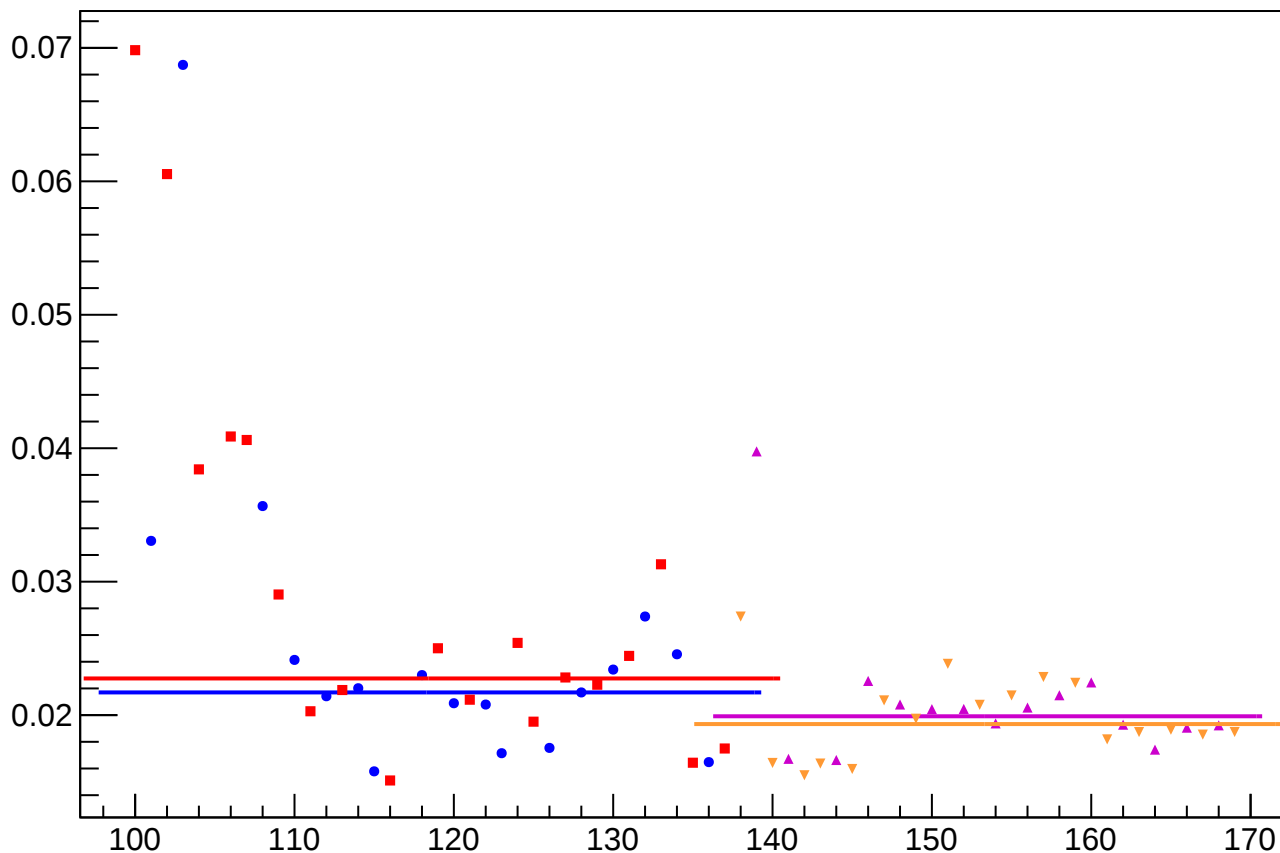
Left In: -0.824+/-0.000 χ^2/NDF : 73020597.4/14

+ sign -0.884+/-0.000 χ^2/NDF : 721802749.7/33

All: -0.887+/-0.000 χ^2/NDF : 1667080959.0/6

- sign -0.890+/-0.000 χ^2/NDF : 944783664.3/33

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 395800.6/16

Right Out: 0.023 ± 0.000 χ^2/NDF : 1152332.6/18

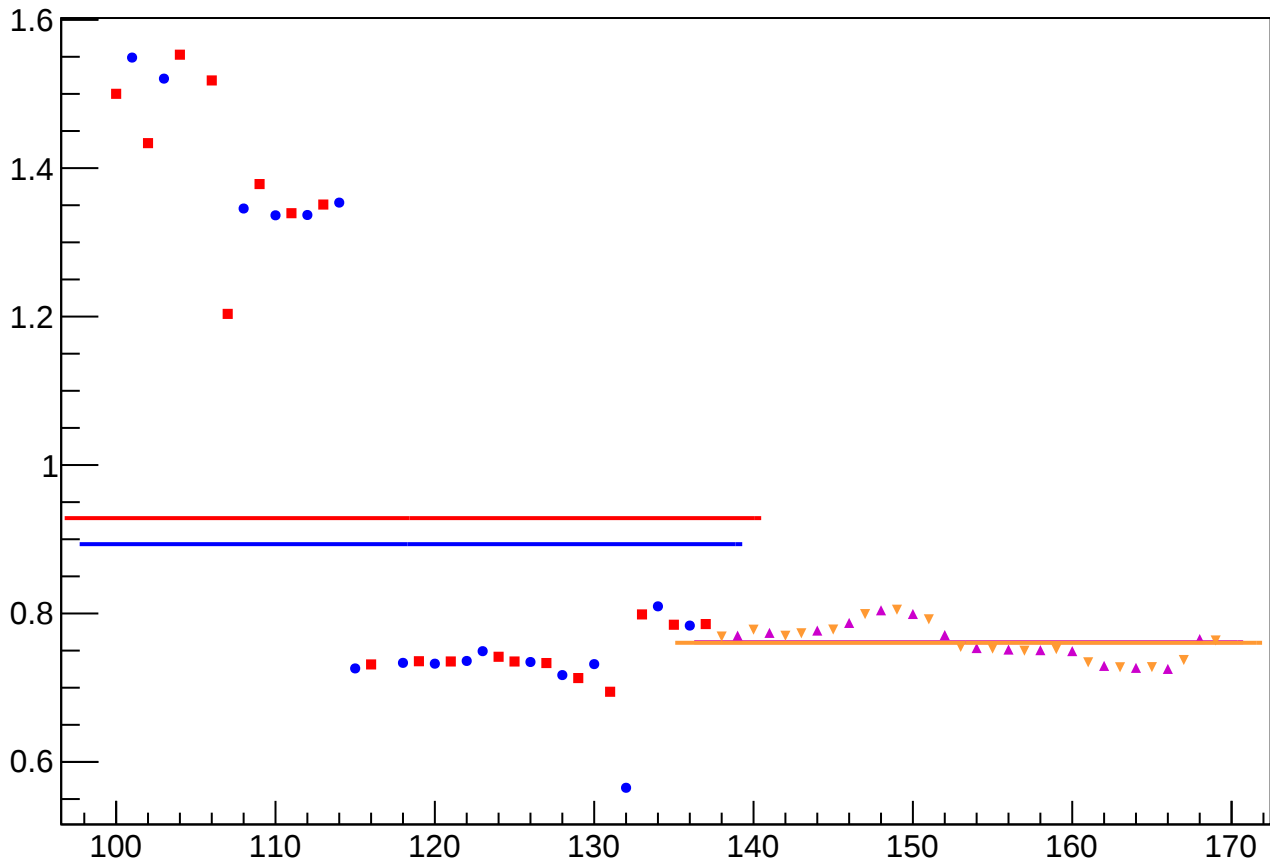
Left In: 0.020 ± 0.000 χ^2/NDF : 524182.9/14

+ sign 0.020 ± 0.000 χ^2/NDF : 1461294.6/33

All: 0.020 ± 0.000 χ^2/NDF : 3273949.2/67

- sign 0.021 ± 0.000 χ^2/NDF : 1791553.5/33

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.761+/-0.000 χ^2/NDF : 36504750.3/16

Right Out: 0.928+/-0.000 χ^2/NDF : 2435640156.0/18

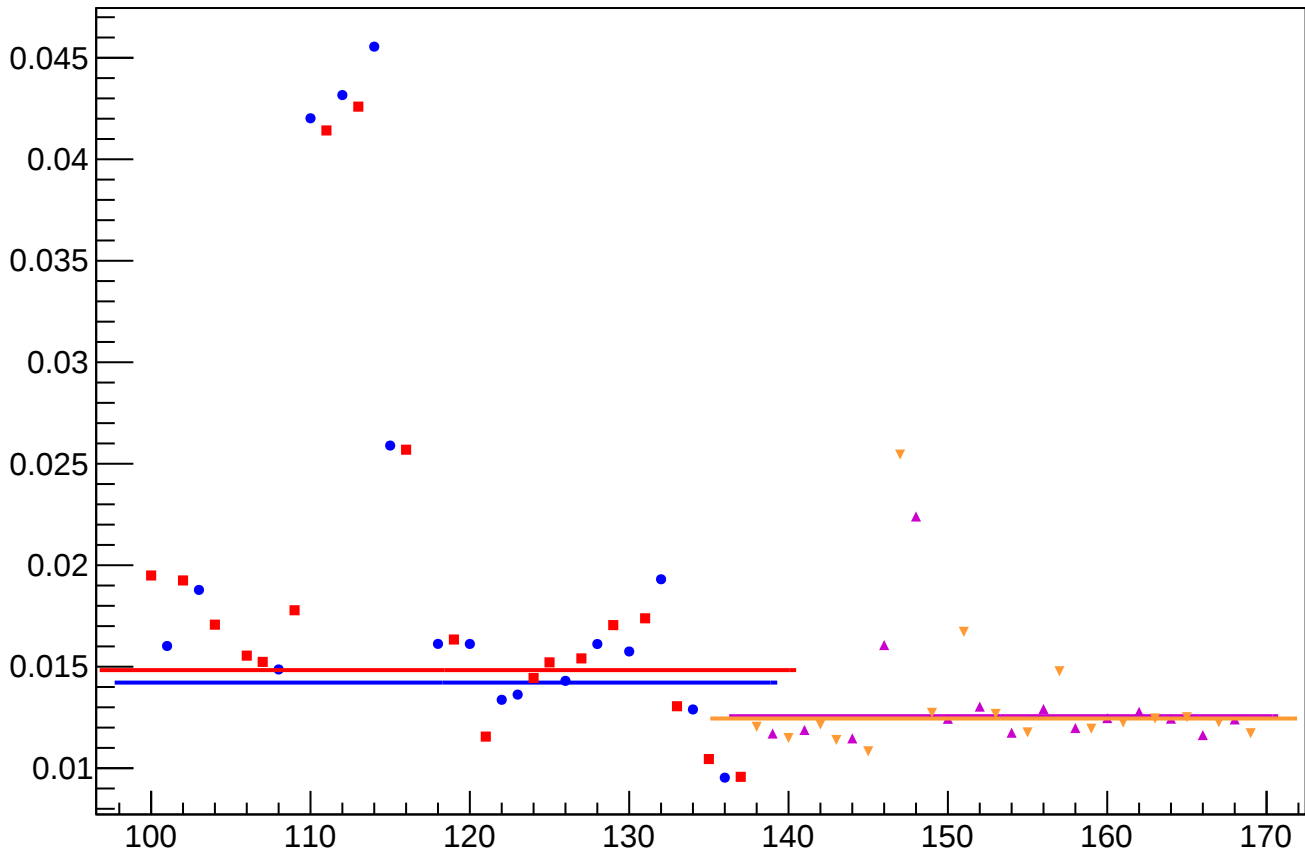
Left In: 0.761+/-0.000 χ^2/NDF : 32621848.5/14

+ sign 0.795+/-0.000 χ^2/NDF : 2804514269.4/33

All: 0.801+/-0.000 χ^2/NDF : 5829756900.0/67

- sign 0.808+/-0.000 χ^2/NDF : 3017633059.0/33

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:590938.3/16

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1269559.2/18

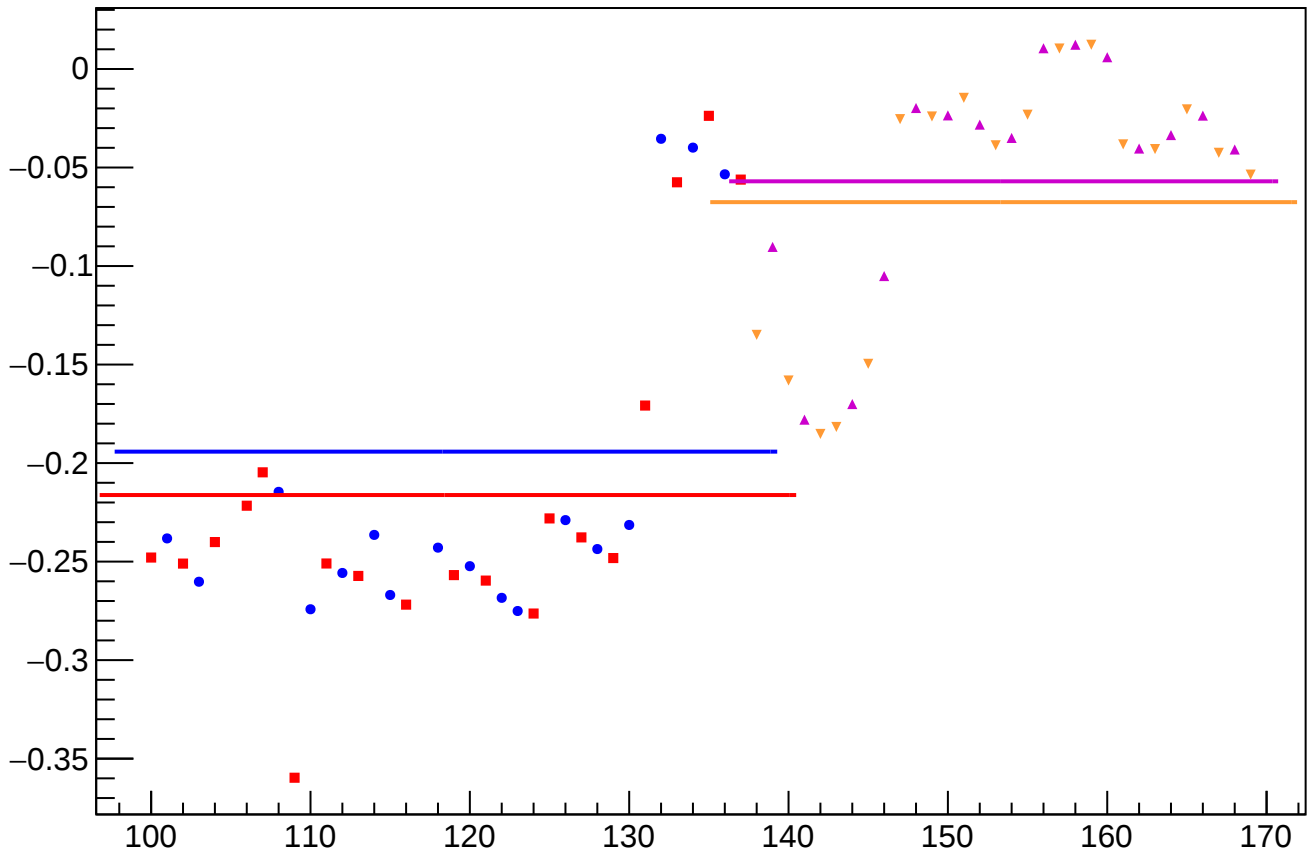
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:413395.7/14

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2128292.1/33

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4021589.6/67

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1885330.0/33

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.068+/-0.000 χ^2/NDF : 114994694.8/16

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

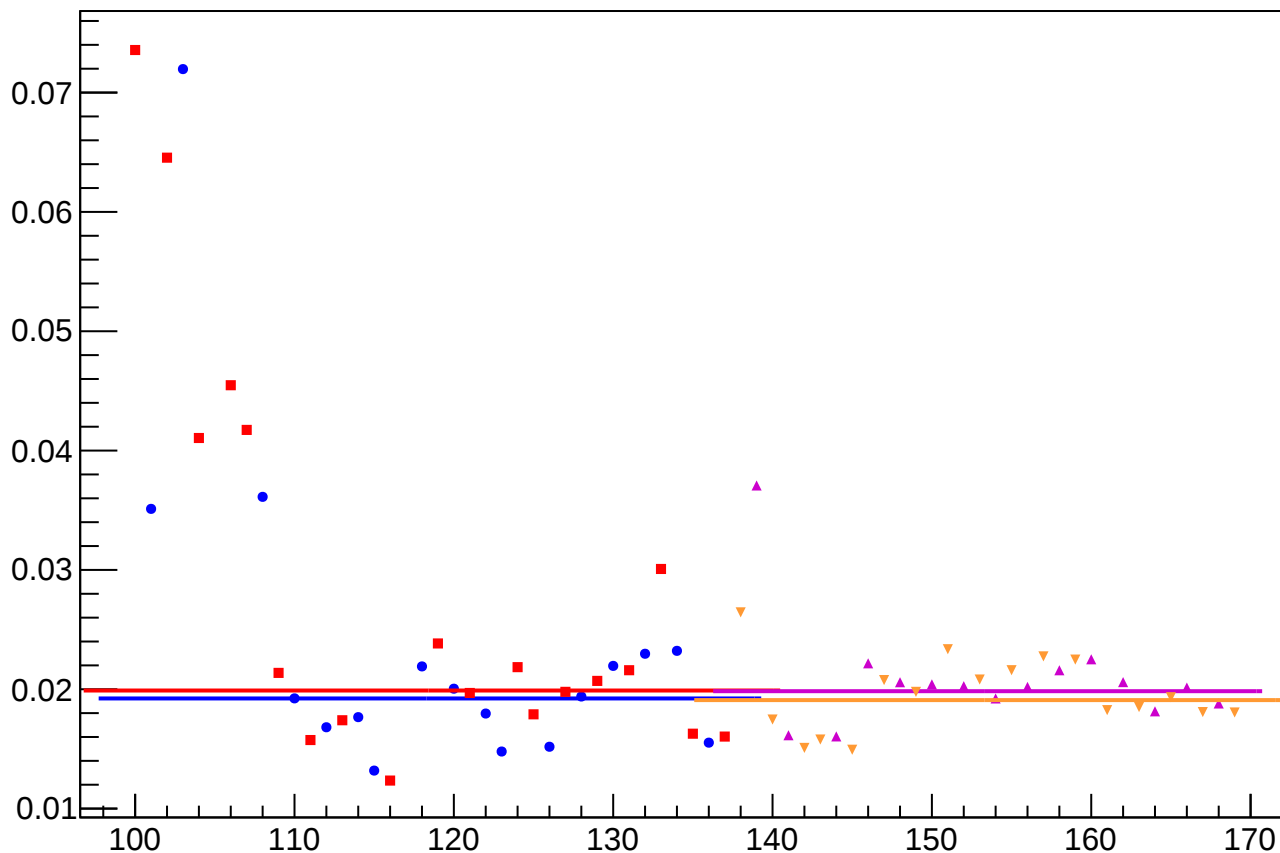
Left In: -0.057+/-0.000 χ^2/NDF : 97281493.8/14

+ sign -0.109+/-0.000 χ^2/NDF : 368576670.5/33

All: -0.111+/-0.000 χ^2/NDF : 791773430.4/67

- sign -0.113+/-0.000 χ^2/NDF : 422797868.1/33

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1174577.3/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 430708.6/16

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1444442.2/18

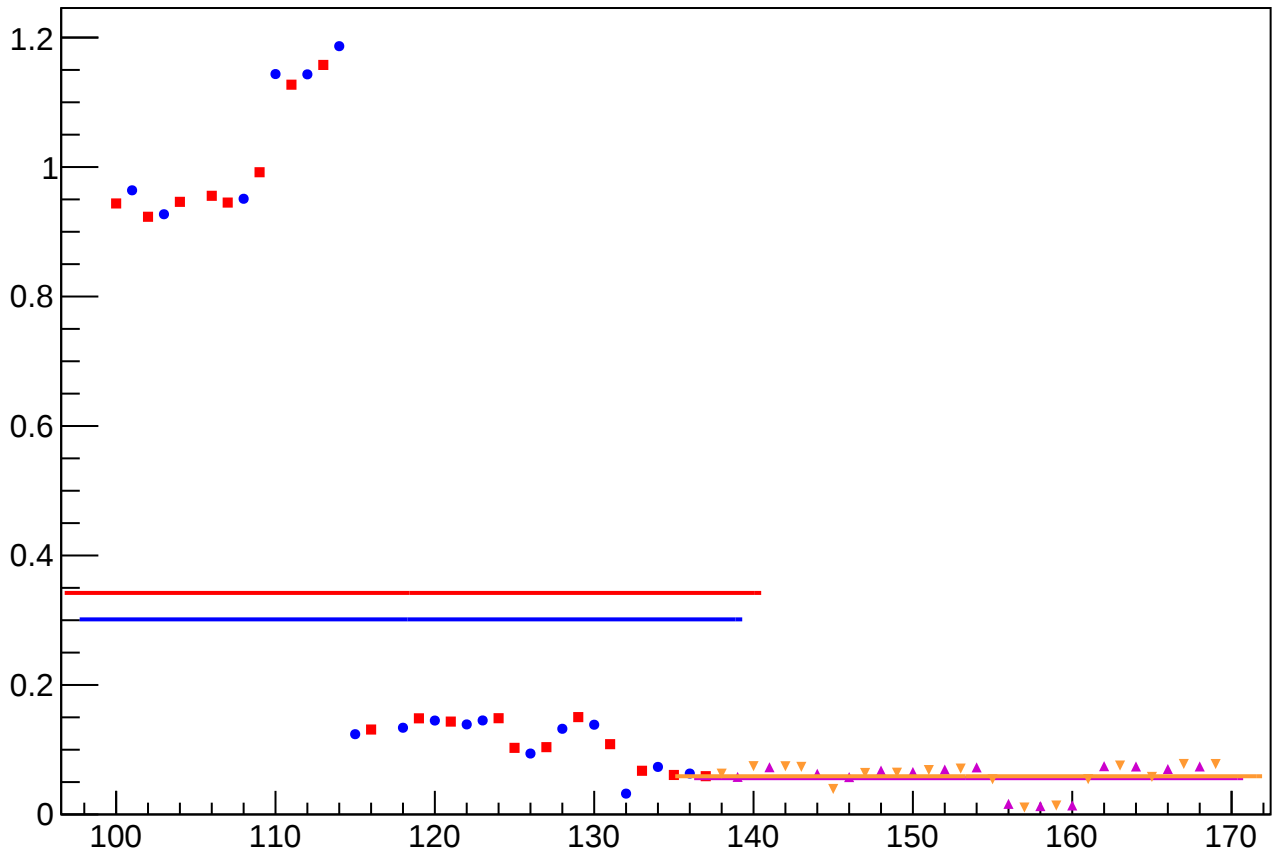
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 506019.2/14

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1605631.2/33

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3576530.4/67

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1950515.7/33

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.059+/-0.000 χ^2/NDF : 43471606.2/16

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

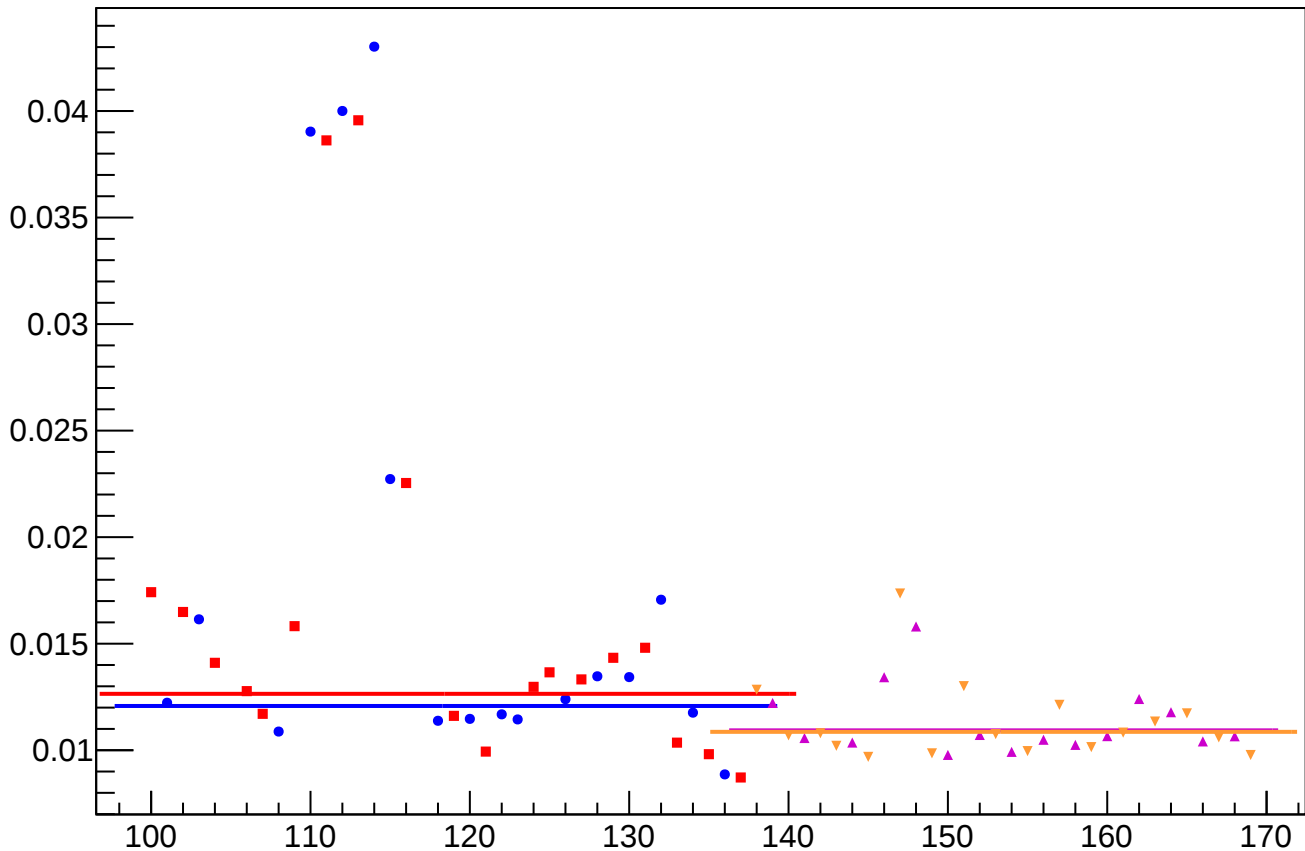
Left In: 0.056+/-0.000 χ^2/NDF : 50965873.0/14

+ sign 0.125+/-0.000 χ^2/NDF : 6838058776.6/33

All: 0.131+/-0.000 χ^2/NDF : 14500241687.8/6

- sign 0.137+/-0.000 χ^2/NDF : 7652680614.5/33

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 392825.6/16

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

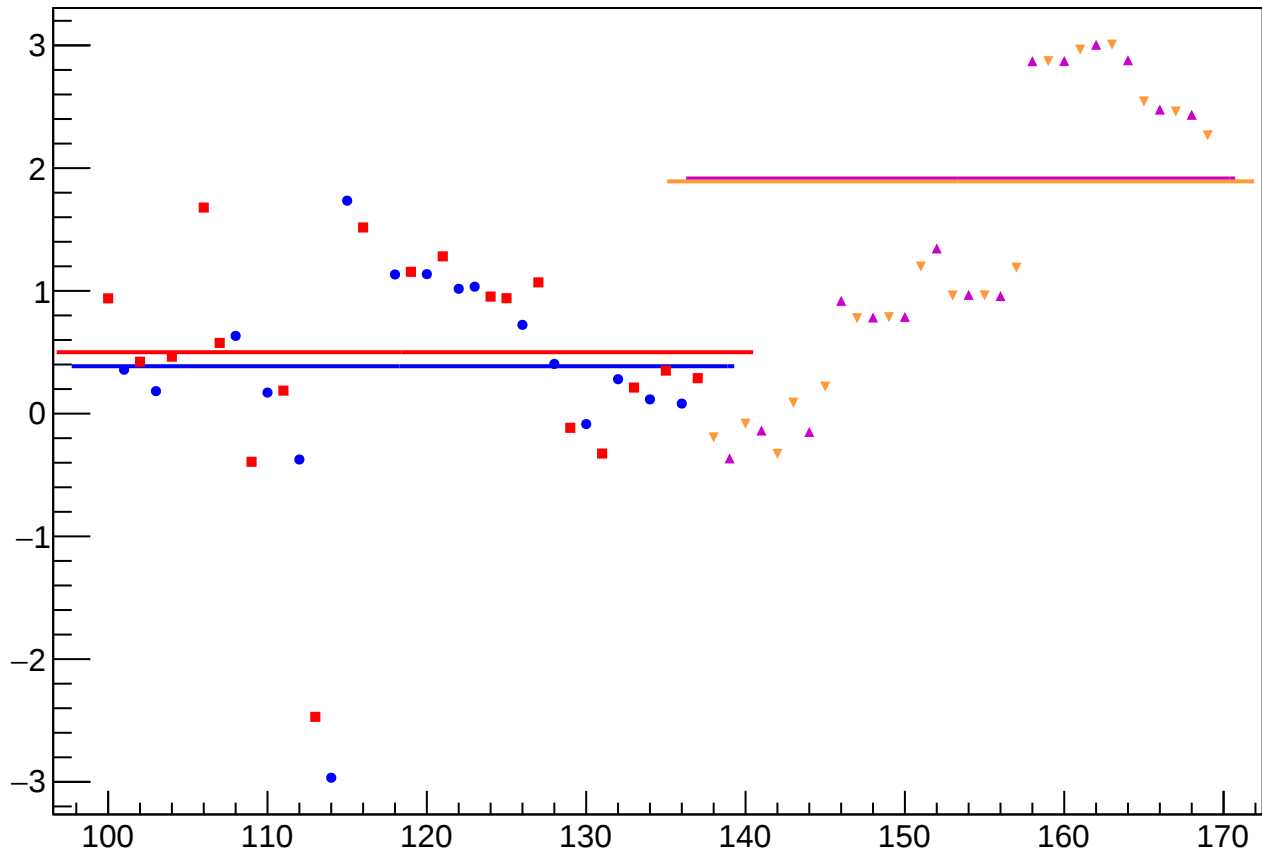
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 302774.9/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1755468.9/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3456067.7/67

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1693856.3/33

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.892+/-0.000 χ^2/NDF : 26768076057.4/16

+ sign 1.812+/-0.000 χ^2/NDF : 30767045479.0/33

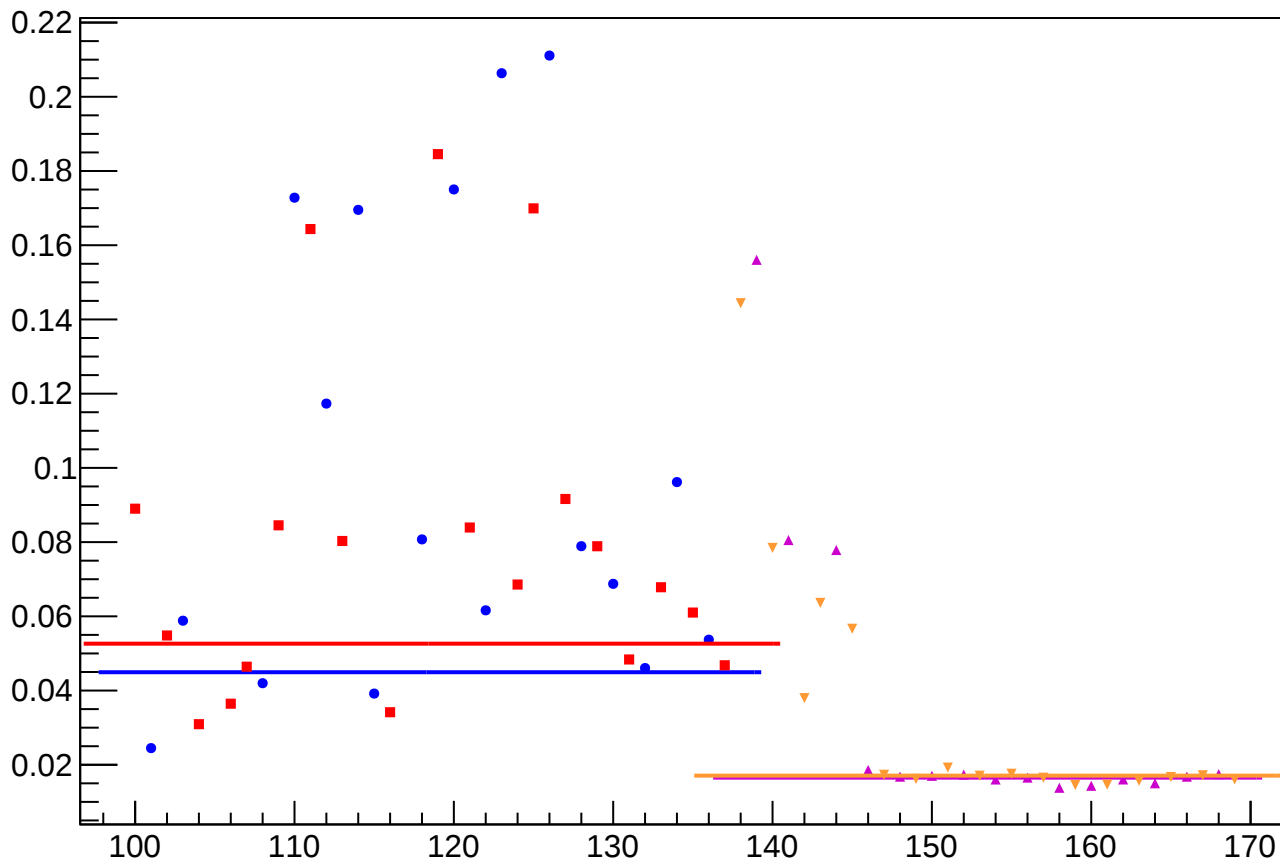
Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

All: 1.831+/-0.000 χ^2/NDF : 62381797358.7/6

- sign 1.851+/-0.000 χ^2/NDF : 31590402594.1/33

Left In: 1.916+/-0.000 χ^2/NDF : 27762141271.7/14

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017+/-0.000 χ^2/NDF :2739757.7/16

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

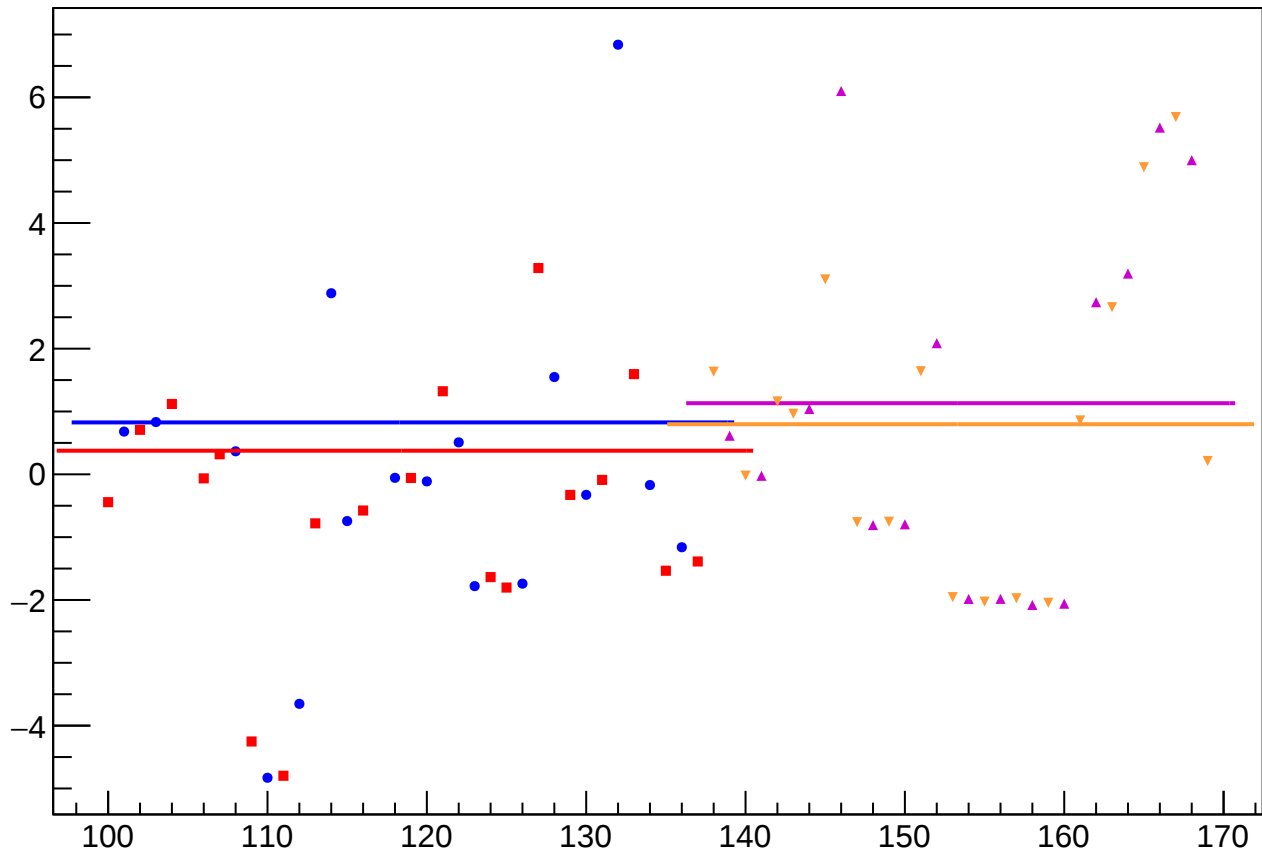
Left In: 0.017+/-0.000 χ^2/NDF :2406771.5/14

+ sign 0.019+/-0.000 χ^2/NDF : 8097124.6/33

All: 0.018+/-0.000 χ^2/NDF : 16401207.7/67

- sign 0.018+/-0.000 χ^2/NDF : 8299642.8/33

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.797+/-0.000 χ^2/NDF : 363203820375.8/16

Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

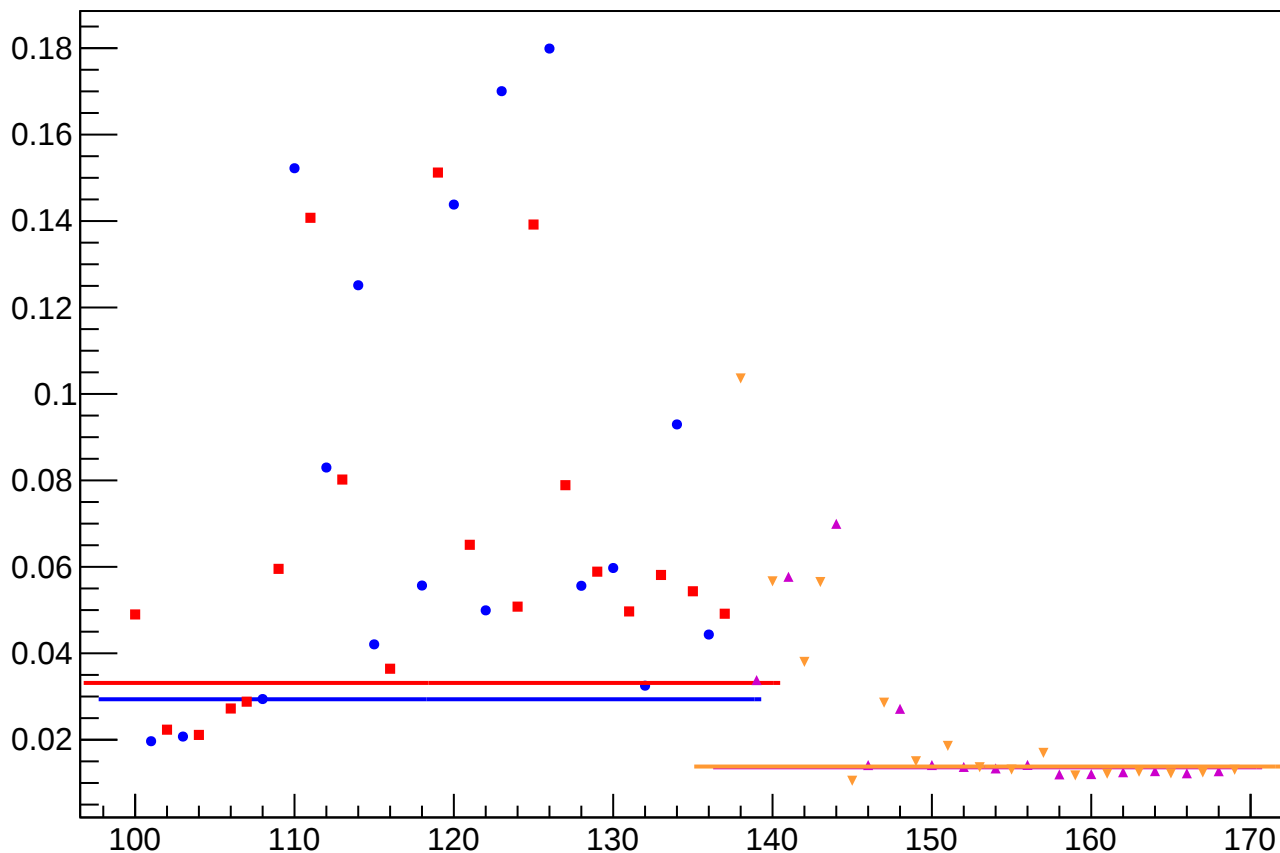
Left In: 1.132+/-0.000 χ^2/NDF : 475105137873.2/14

+ sign 0.799+/-0.000 χ^2/NDF : 374152297506.8/33

All: 0.939+/-0.000 χ^2/NDF : 858227530322.7

- sign 1.082+/-0.000 χ^2/NDF : 481918602108.1/33

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.014+/-0.000 χ^2/NDF : 2841340.0/16

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

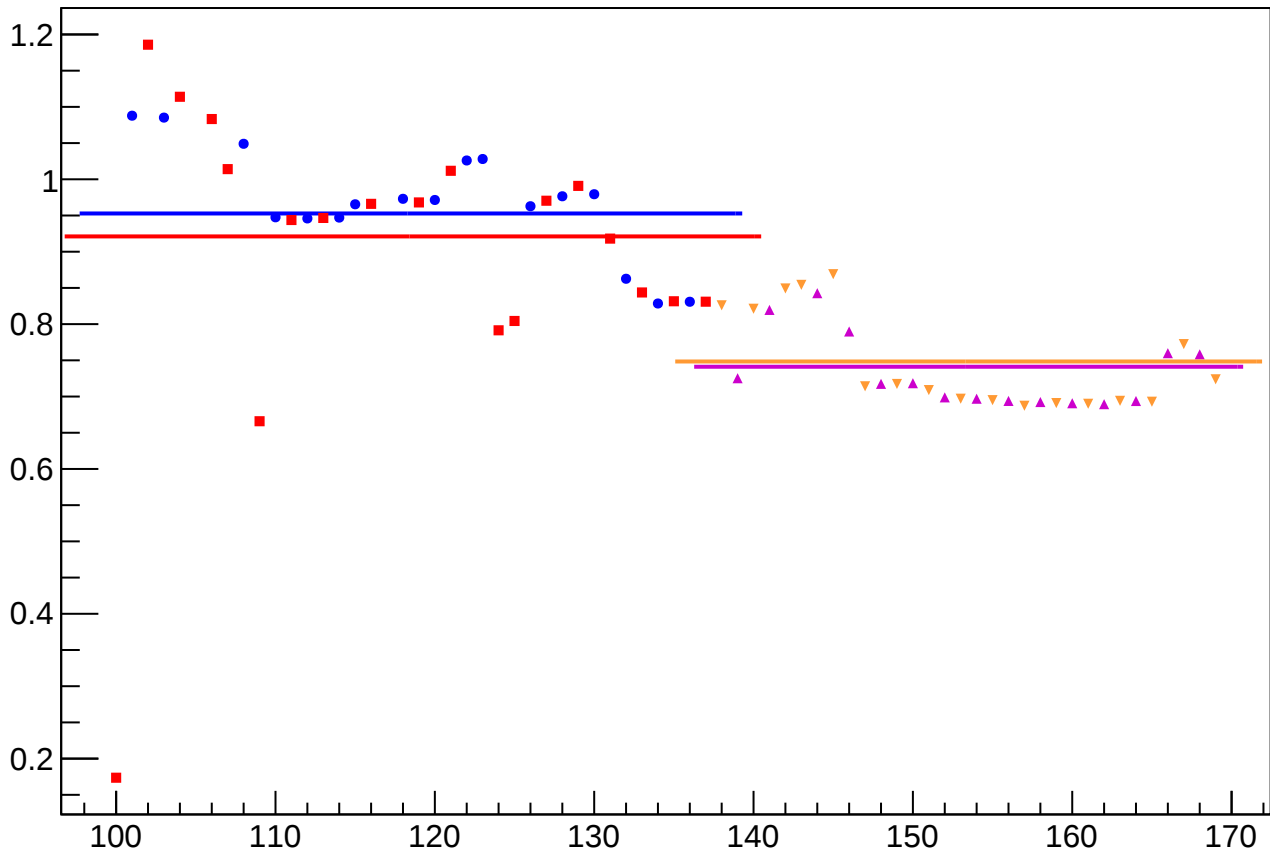
Left In: 0.014+/-0.000 χ^2/NDF : 1889974.8/14

+ sign 0.015+/-0.000 χ^2/NDF : 7596498.0/33

All: 0.015+/-0.000 χ^2/NDF : 15074458.4/67

- sign 0.015+/-0.000 χ^2/NDF : 7477917.8/33

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.748 $\pm$ 0.000 χ^2 /NDF: 262863346.1/16

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

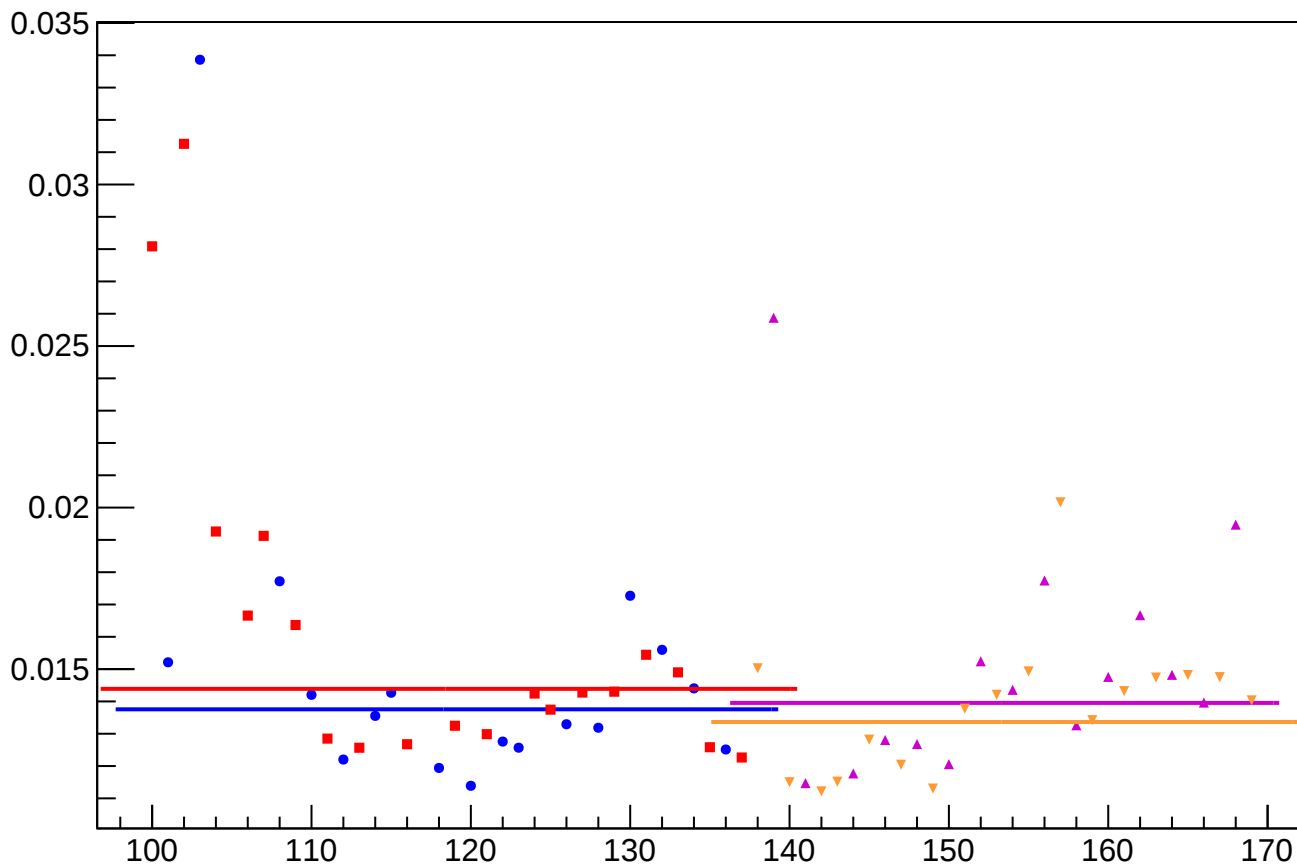
Left In: 0.741 $\pm$ 0.000 χ^2 /NDF: 156547763.0/14

+ sign 0.816 $\pm$ 0.000 χ^2 /NDF: 1289374163.9/33

All: 0.811 $\pm$ 0.000 χ^2 /NDF: 2435376766.4/67

- sign 0.806 $\pm$ 0.000 χ^2 /NDF: 1141274566.9/33

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538469.4/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:373294.1/16

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

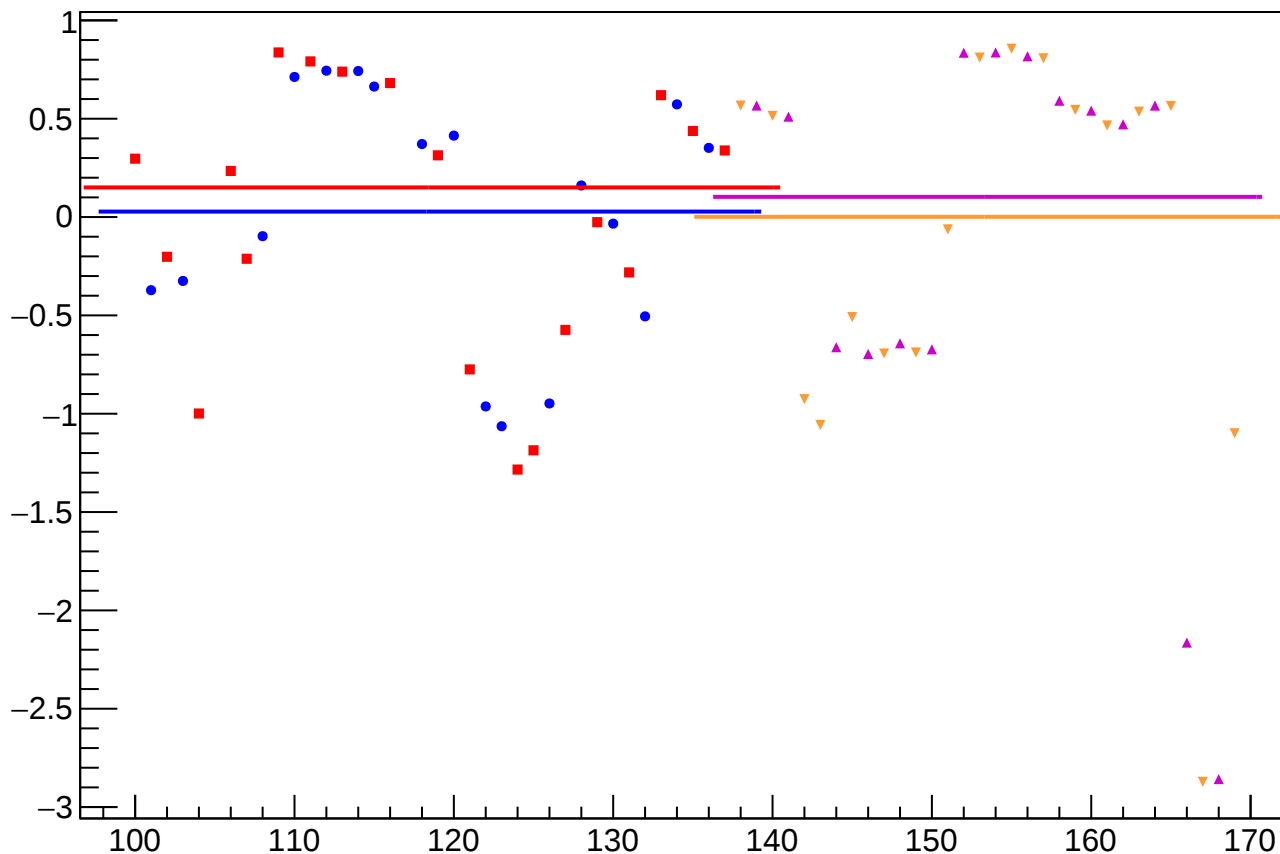
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:728567.4/14

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 918047.8/33

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2190618.7/67

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1239526.9/33

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 67393808175.7/16

Right Out: 0.151+/-0.000 χ^2/NDF : 12653743155.9/18

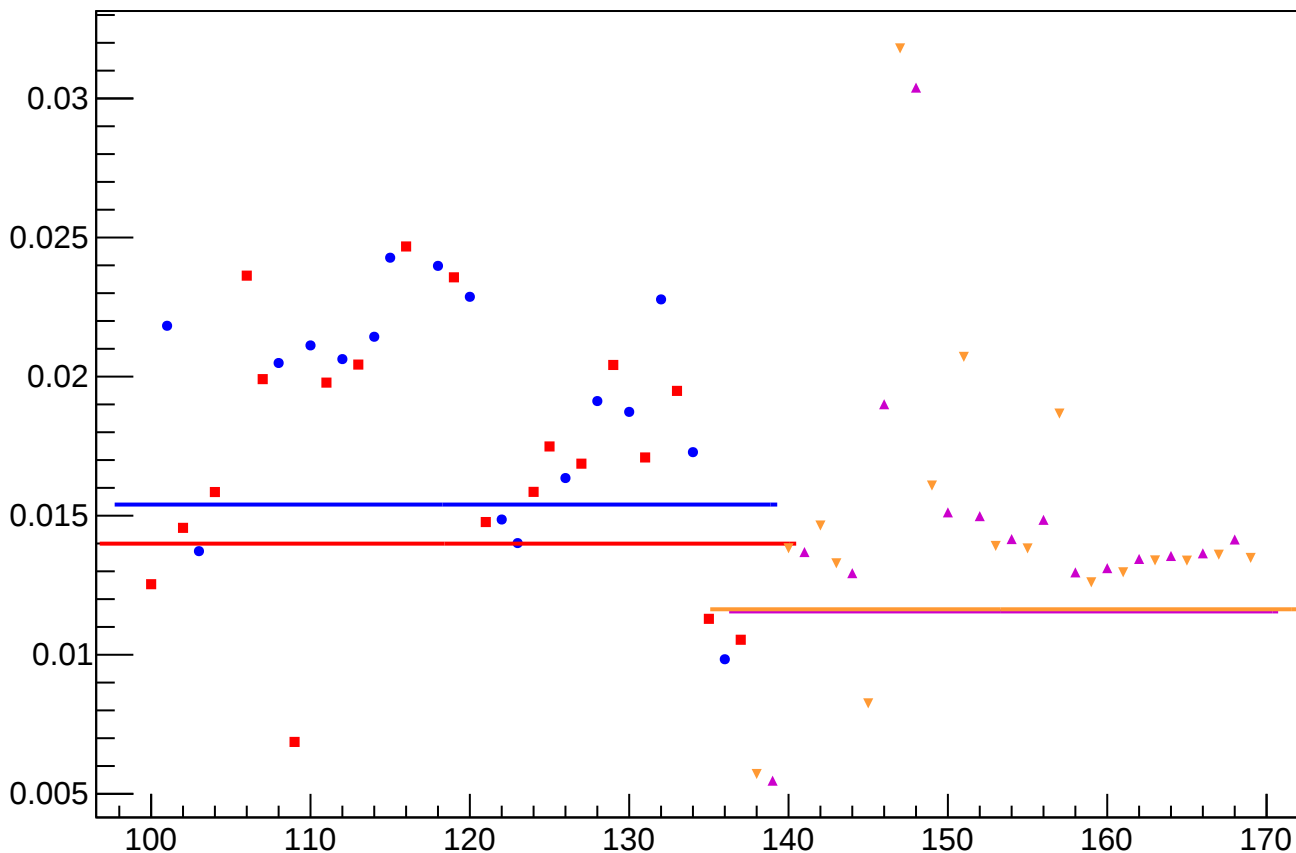
Left In: 0.103+/-0.000 χ^2/NDF : 72029324256.1/14

+ sign 0.007+/-0.000 χ^2/NDF : 73683483230.1/33

All: 0.062+/-0.000 χ^2/NDF : 159012515524.1

- sign 0.116+/-0.000 χ^2/NDF : 84729990855.6/33

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 2974284.4/16

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

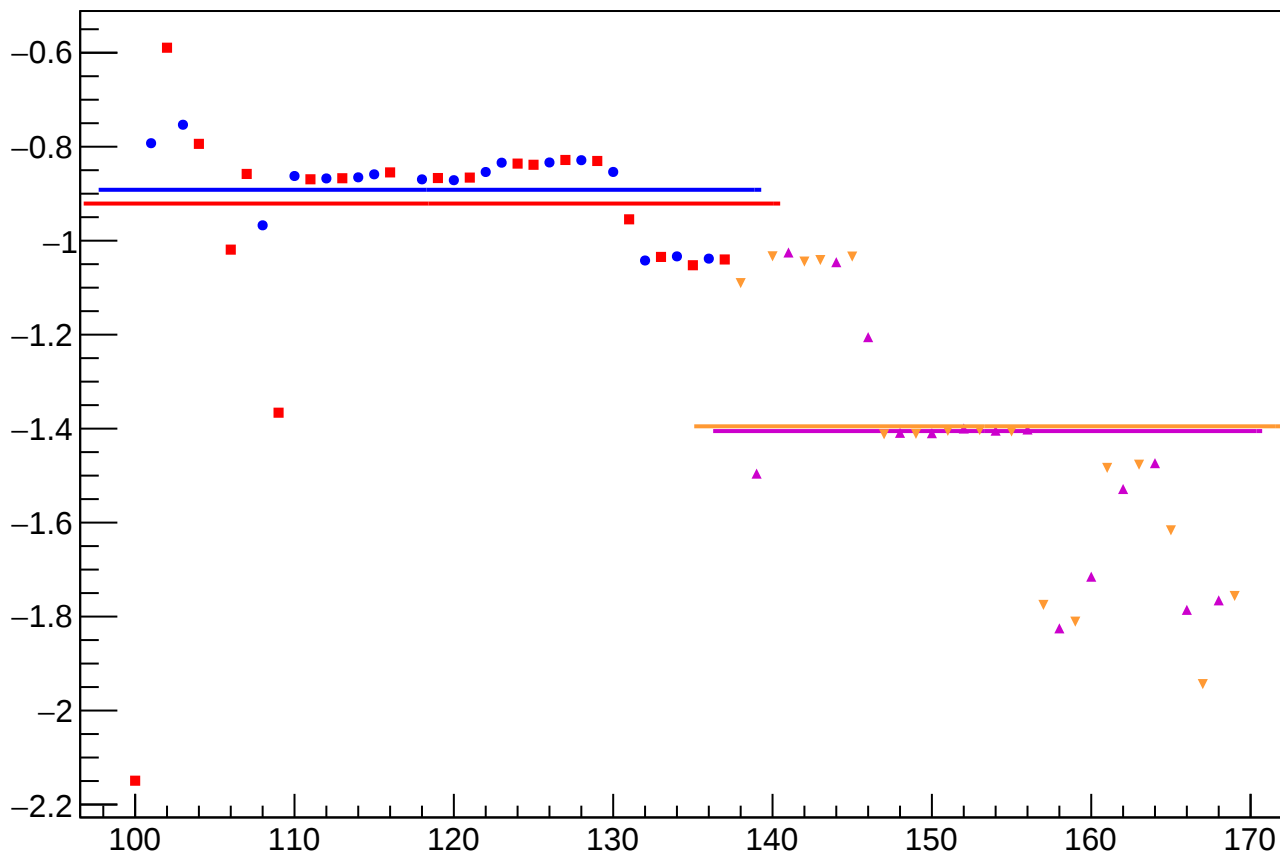
Left In: 0.012+/-0.000 χ^2/NDF : 3007919.3/14

+ sign 0.013+/-0.000 χ^2/NDF : 4629144.0/33

All: 0.012+/-0.000 χ^2/NDF : 9449597.5/67

- sign 0.012+/-0.000 χ^2/NDF : 4813120.0/33

yield_bpm12X_mean vs Slug



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.395+/-0.000 χ^2/NDF : 711462115.6/16

Right Out: -0.921+/-0.000 χ^2/NDF : 131159330.1/18

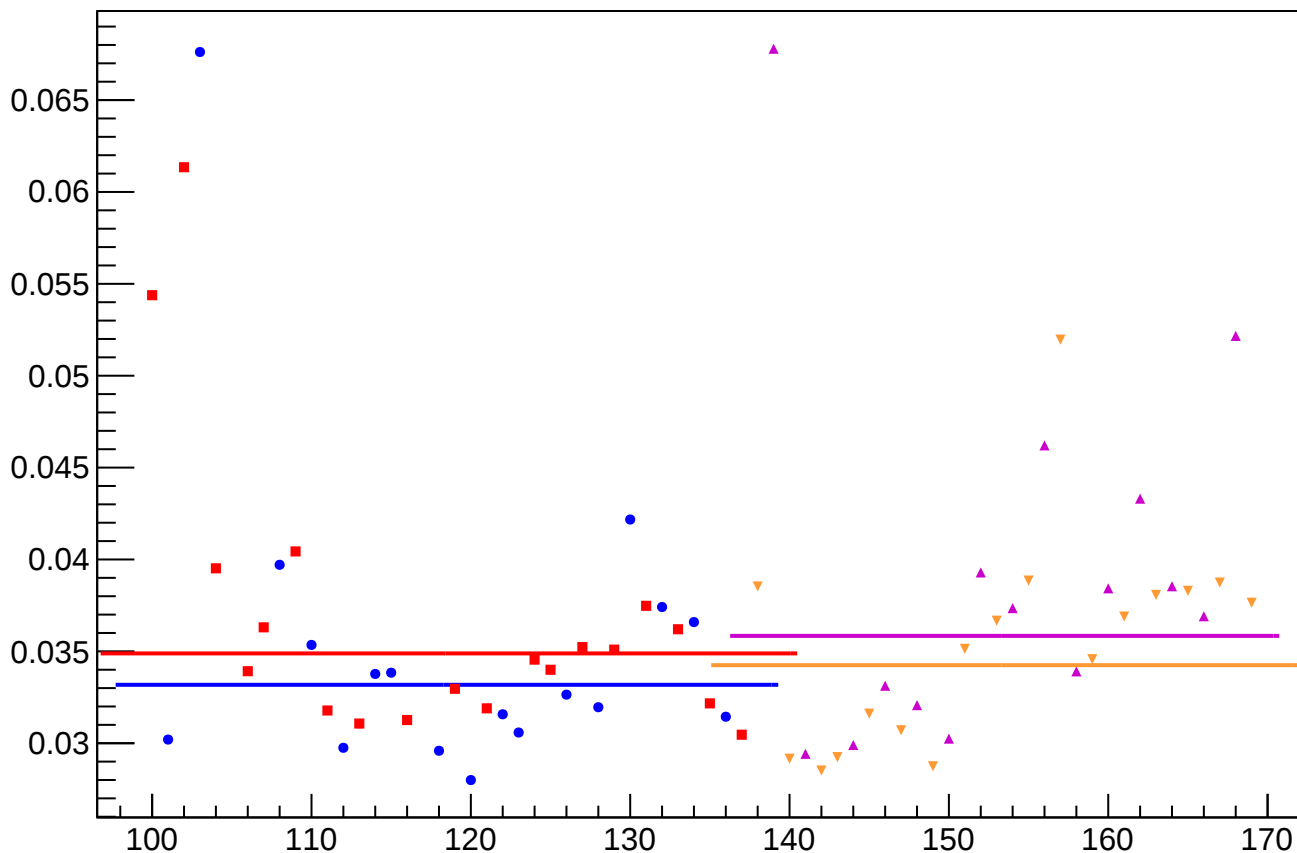
Left In: -1.405+/-0.000 χ^2/NDF : 509184416.7/14

+ sign -1.213+/-0.000 χ^2/NDF : 1604120328.1/33

All: -1.214+/-0.000 χ^2/NDF : 2967380921.3/6

- sign -1.216+/-0.000 χ^2/NDF : 1363153713.0/33

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.034+/-0.000 χ^2/NDF : 422578.7/16

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

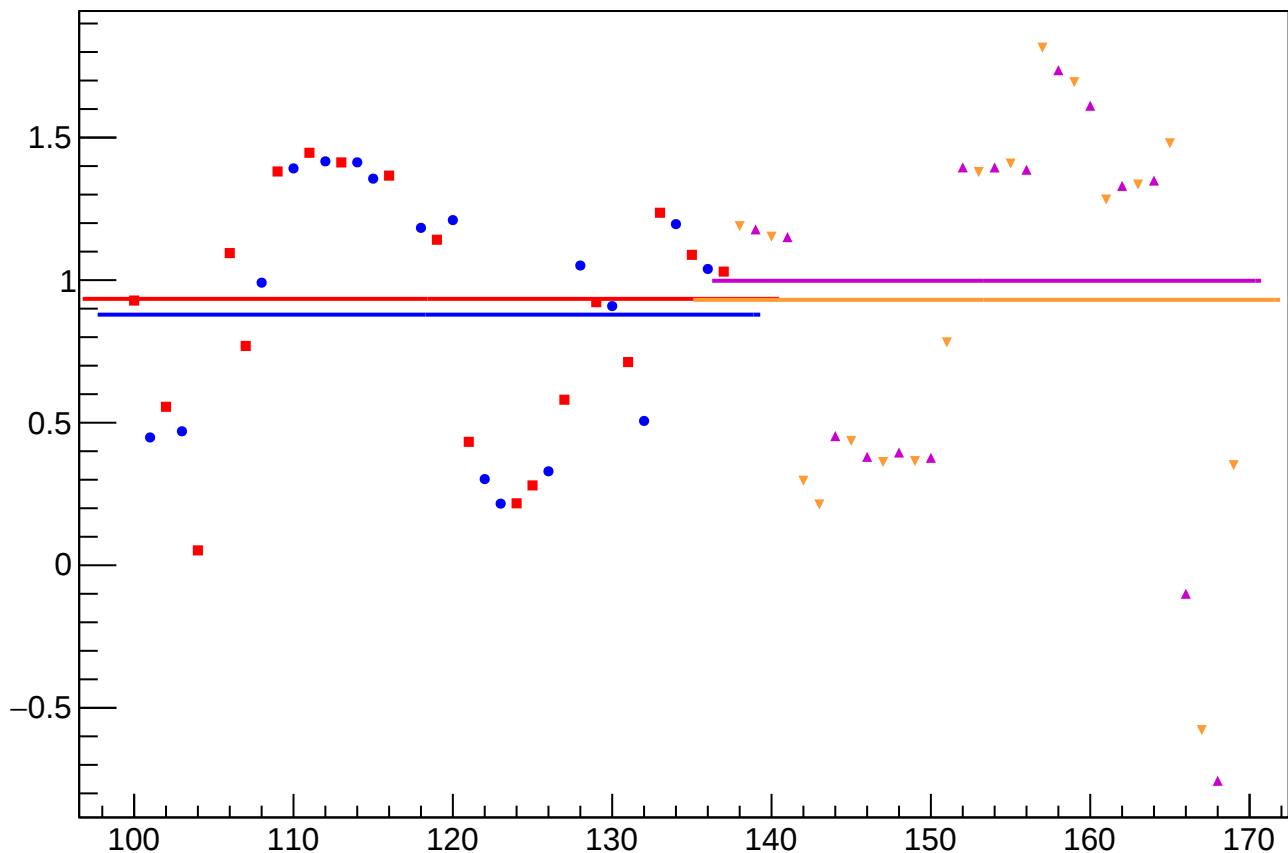
Left In: 0.036+/-0.000 χ^2/NDF : 812491.7/14

+ sign 0.034+/-0.000 χ^2/NDF : 830363.5/33

All: 0.035+/-0.000 χ^2/NDF : 1959017.3/67

- sign 0.035+/-0.000 χ^2/NDF : 1093119.3/33

yield_bpm12Y_mean vs Slug



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.931+/-0.000 χ^2/NDF : 56220671816.9/16

Right Out: 0.934+/-0.000 χ^2/NDF : 9827120184.9/18

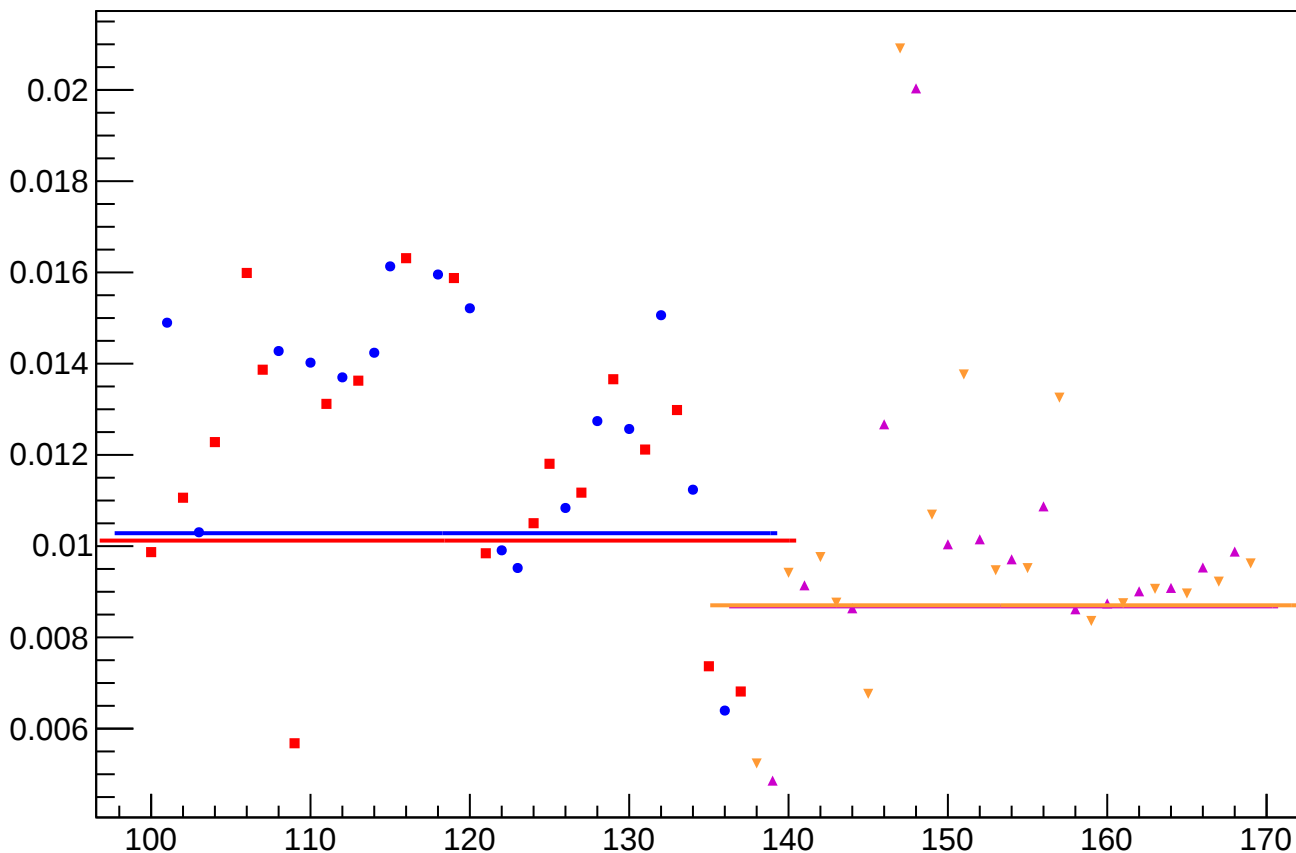
Left In: 0.998+/-0.000 χ^2/NDF : 57136655173.2/14

+ sign 0.917+/-0.000 χ^2/NDF : 62696916574.9/33

All: 0.948+/-0.000 χ^2/NDF : 130202471334.7

- sign 0.979+/-0.000 χ^2/NDF : 67125819237.3/33

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1680000.3/16

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

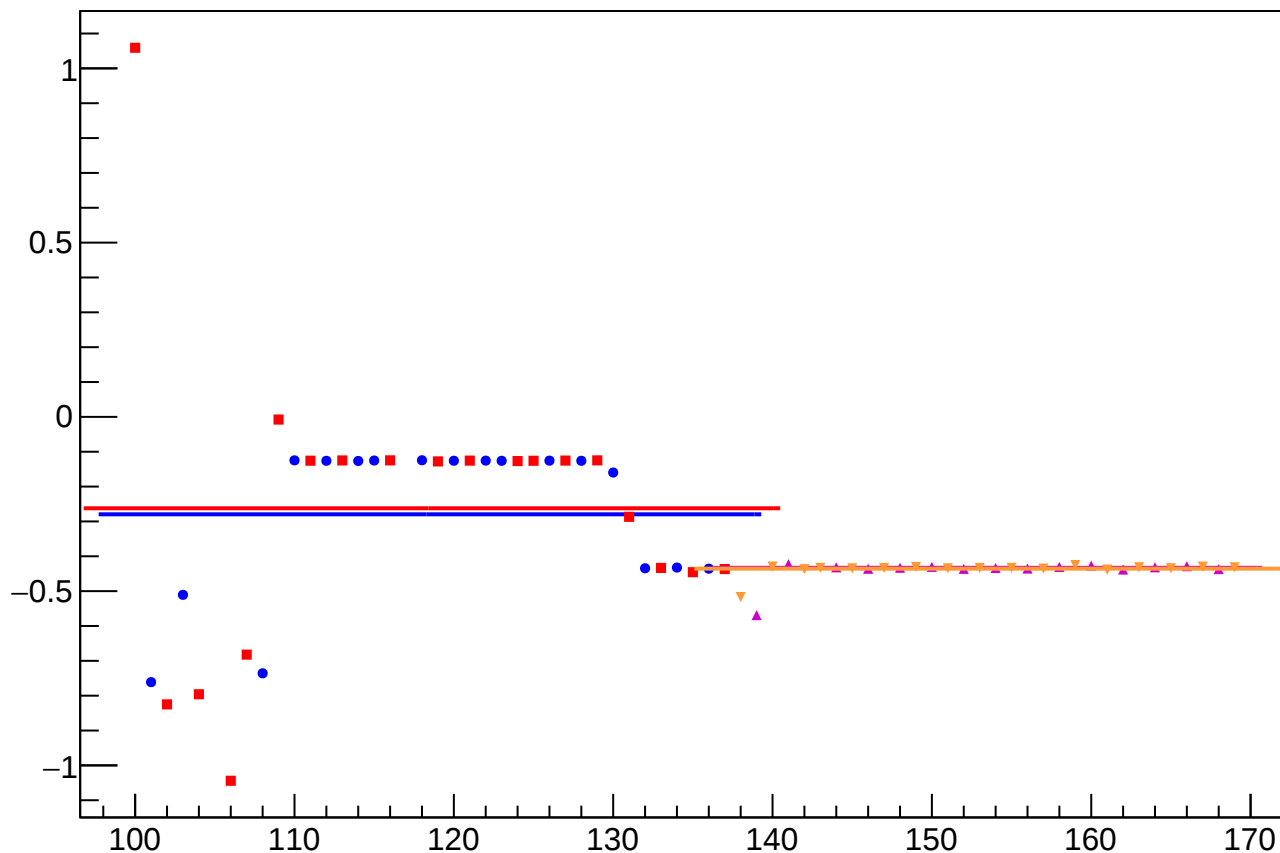
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1652887.3/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3081406.0/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6078670.5/67

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2997220.7/33

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.435 ± 0.000 χ^2/NDF : 25981436.4/16

Right Out: -0.262 ± 0.000 χ^2/NDF : 1006263824.6/18

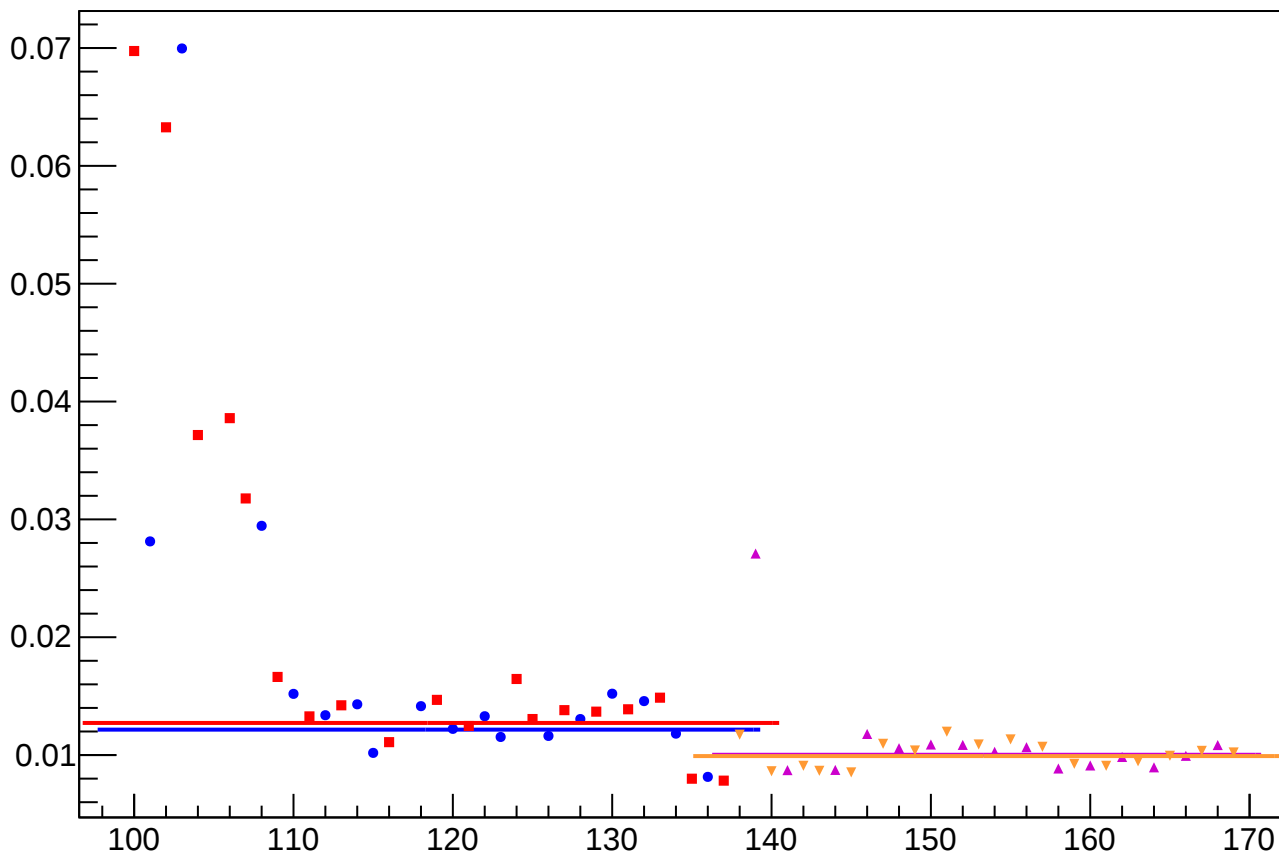
Left In: -0.433 ± 0.000 χ^2/NDF : 19726497.9/14

+ sign -0.400 ± 0.000 χ^2/NDF : 1547649153.8/33

All: -0.397 ± 0.000 χ^2/NDF : 3243152018.7/6

- sign -0.393 ± 0.000 χ^2/NDF : 1691796038.3/33

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:229789.0/16

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

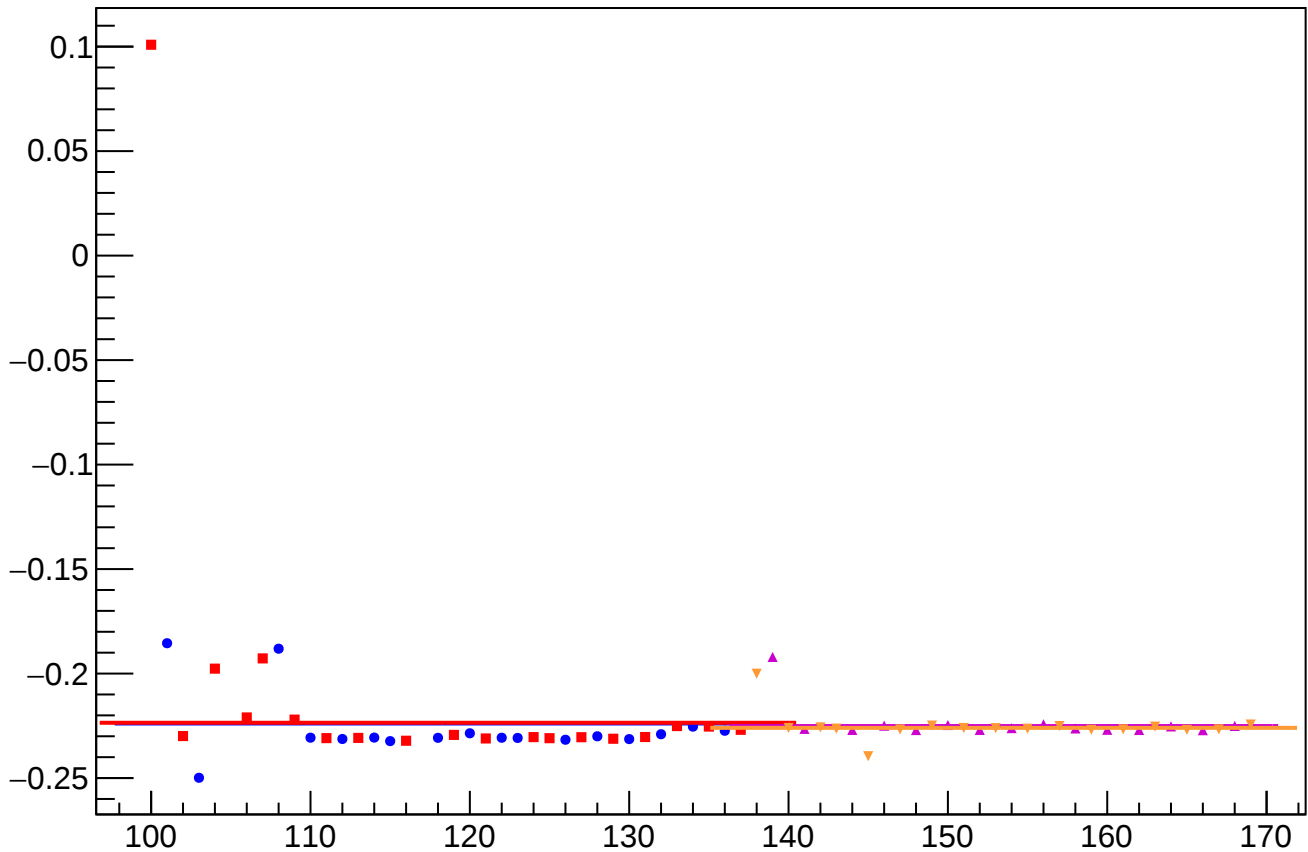
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:740375.9/14

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2198155.6/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5246414.4/67

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3040518.6/33

yield_bpm16Y_mean vs Slug



Right In: -0.224 ± 0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226 ± 0.000 χ^2/NDF : 20687574.1/16

Right Out: -0.224 ± 0.000 χ^2/NDF : 168124199.3/18

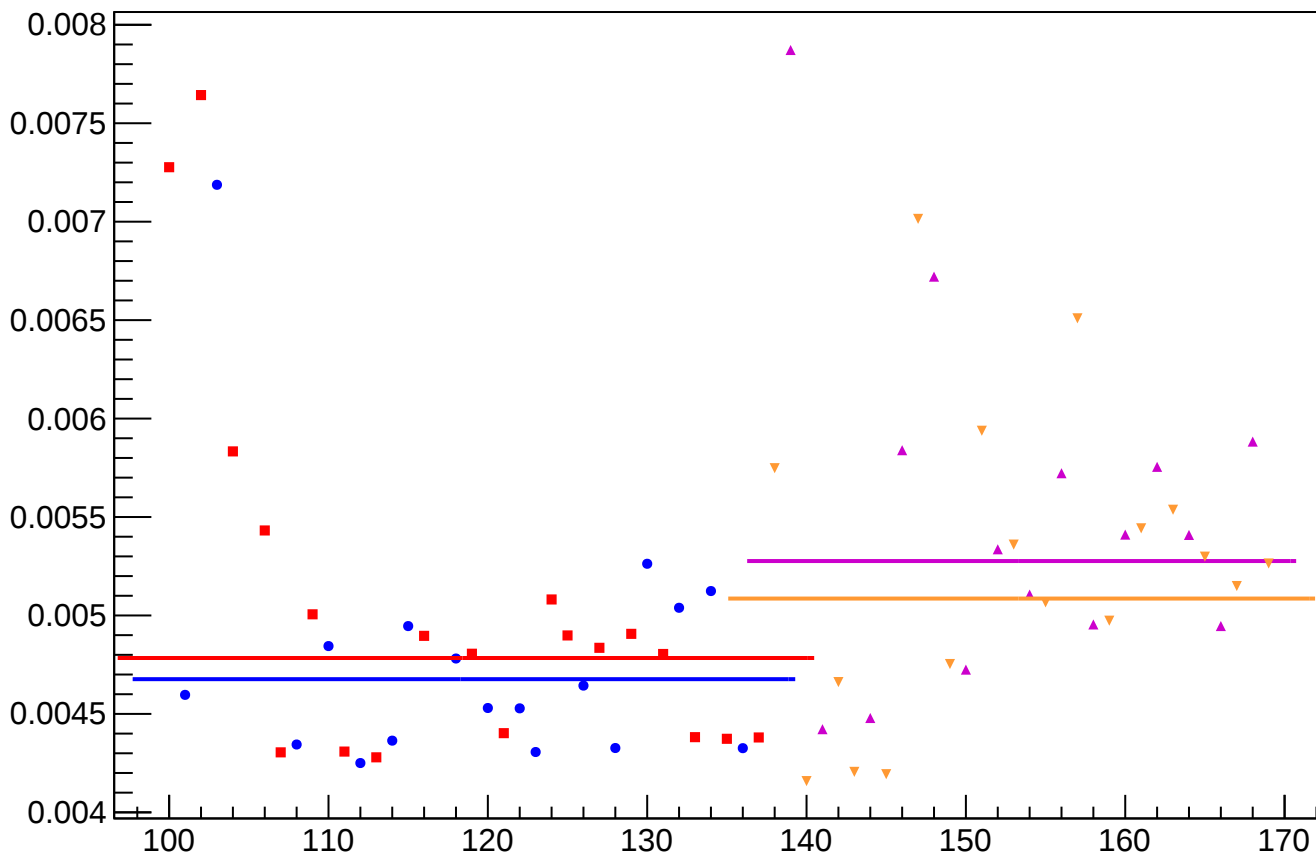
Left In: -0.225 ± 0.000 χ^2/NDF : 12833827.8/14

+ sign -0.225 ± 0.000 χ^2/NDF : 96031061.4/33

All: -0.225 ± 0.000 χ^2/NDF : 277575650.7/67

- sign -0.224 ± 0.000 χ^2/NDF : 181363862.4/33

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 451217.3/16

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

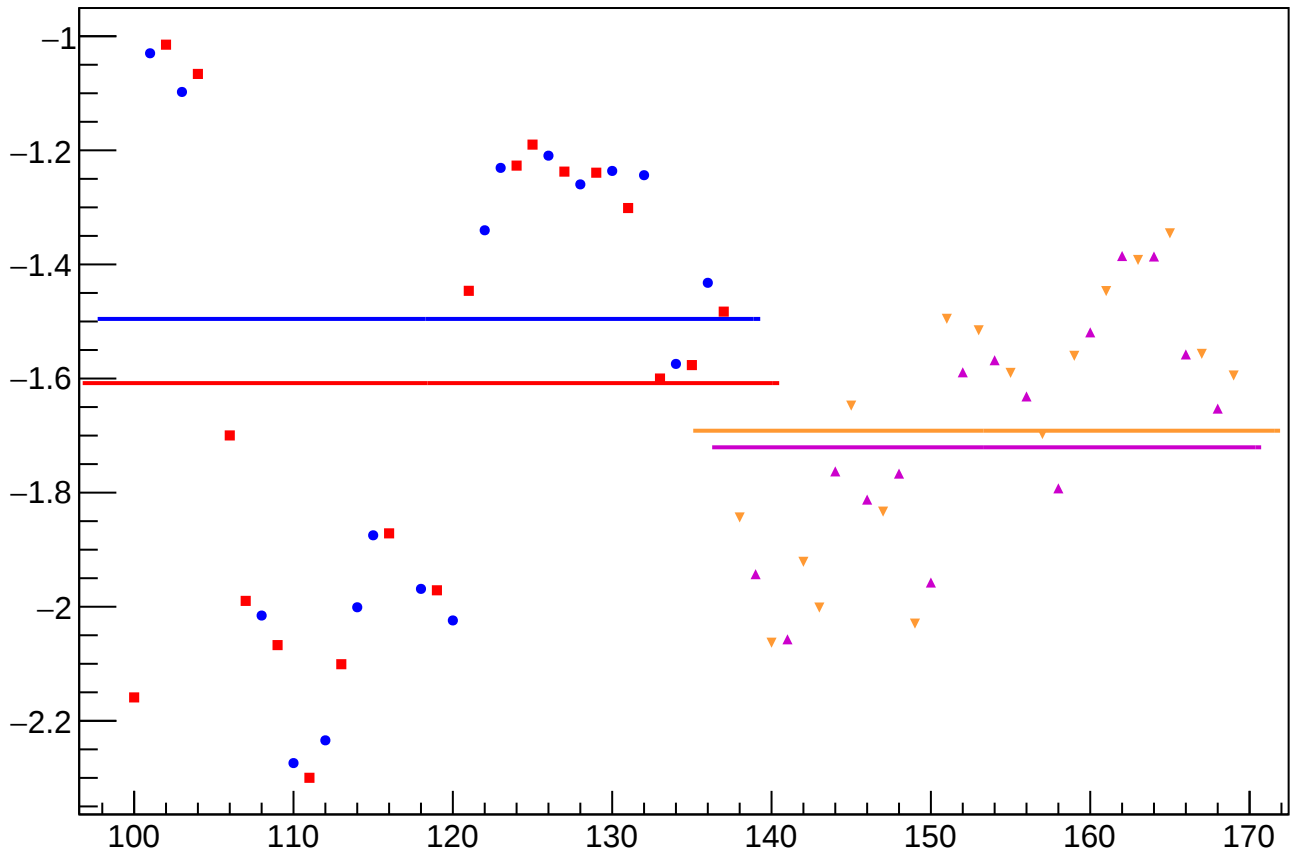
Left In: 0.005+/-0.000 χ^2/NDF : 414593.1/14

+ sign 0.005+/-0.000 χ^2/NDF : 689241.9/33

All: 0.005+/-0.000 χ^2/NDF : 1444878.9/67

- sign 0.005+/-0.000 χ^2/NDF : 741973.1/33

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.691 ± 0.000 χ^2/NDF : 15728346496.6/16

Right Out: -1.608 ± 0.000 χ^2/NDF : 27852841950.3/18

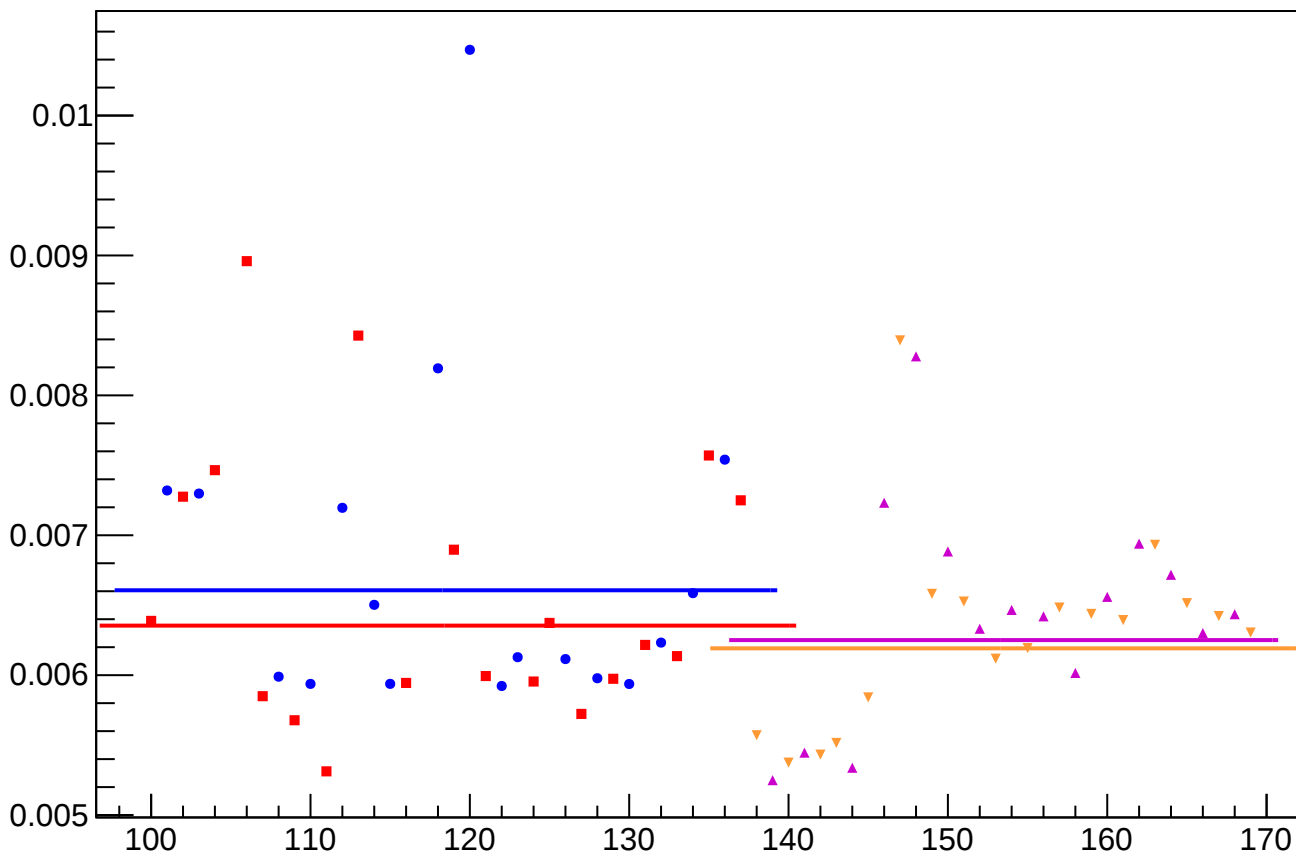
Left In: -1.721 ± 0.000 χ^2/NDF : 10890487490.9/14

+ sign -1.631 ± 0.000 χ^2/NDF : 41923872737.0/33

All: -1.655 ± 0.000 χ^2/NDF : 82486911650.7/33

- sign -1.679 ± 0.000 χ^2/NDF : 40048312916.7/33

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF : 228937.9/16

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

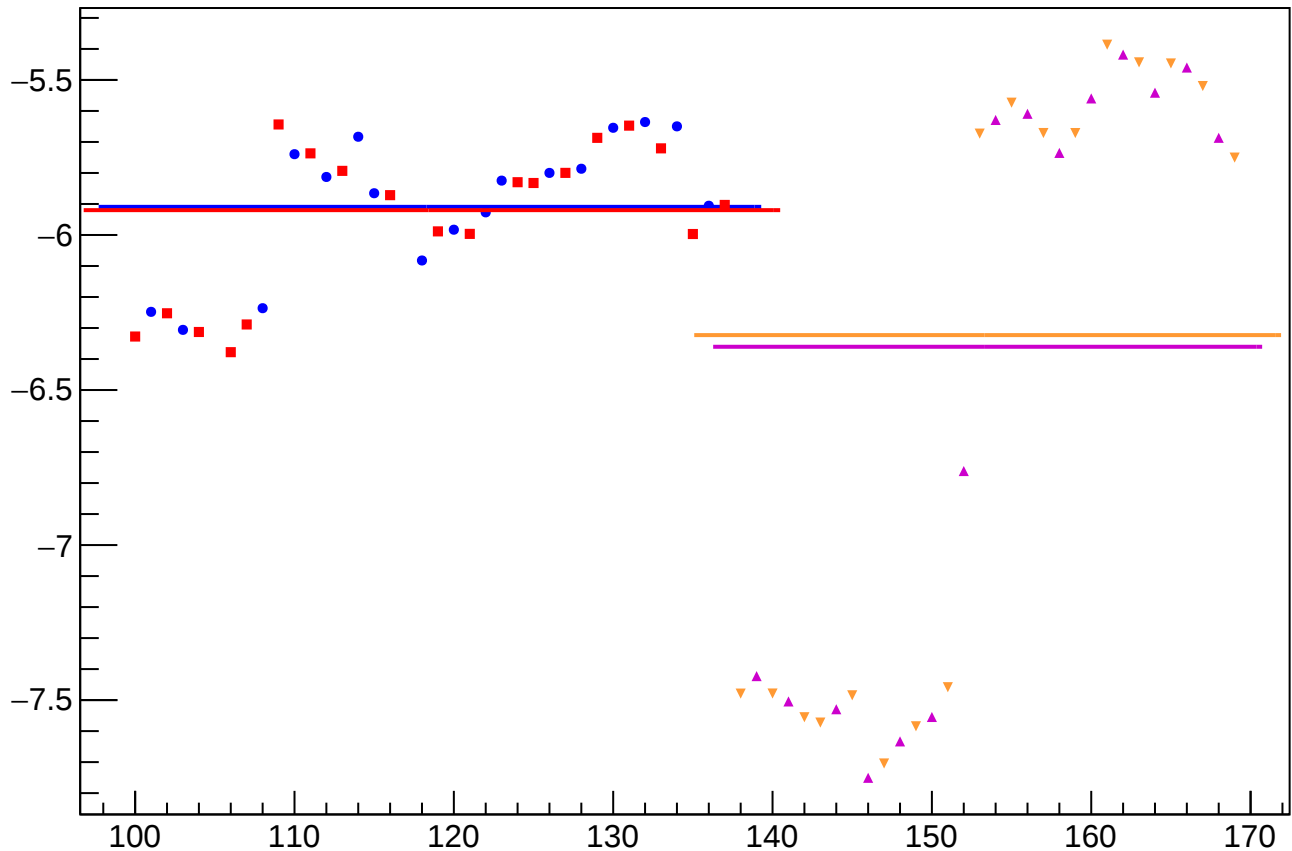
Left In: 0.006+/-0.000 χ^2/NDF : 290968.6/14

+ sign 0.006+/-0.000 χ^2/NDF : 463339.8/33

All: 0.006+/-0.000 χ^2/NDF : 984225.8/67

- sign 0.006+/-0.000 χ^2/NDF : 520461.2/33

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.323+/-0.000 χ^2/NDF : 163571777263.7/16

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

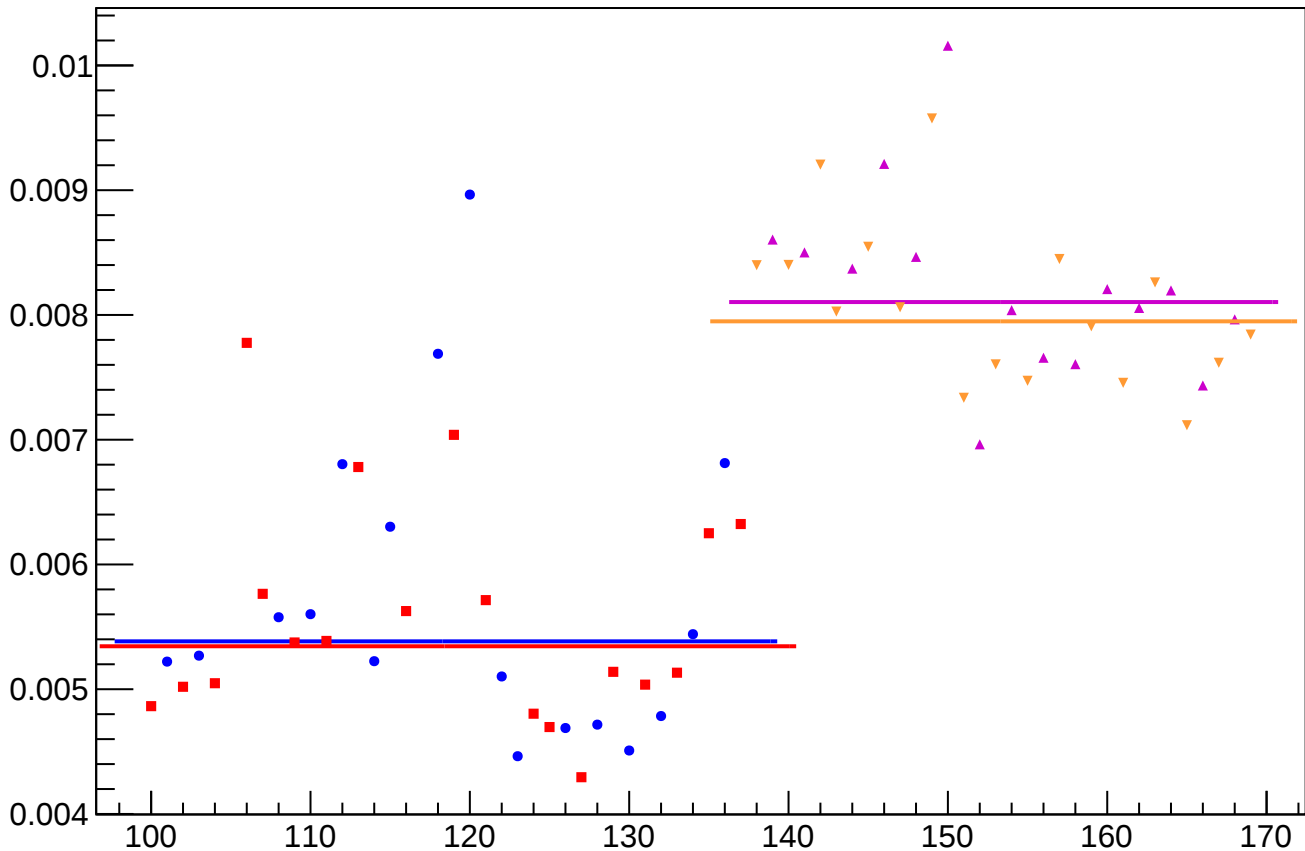
Left In: -6.360+/-0.000 χ^2/NDF : 134369562216.5/14

+ sign -6.102+/-0.000 χ^2/NDF : 190837277004.9/33

All: -6.103+/-0.000 χ^2/NDF : 356007837107.5

- sign -6.103+/-0.000 χ^2/NDF : 165170326336.0/33

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :116126.8/16

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

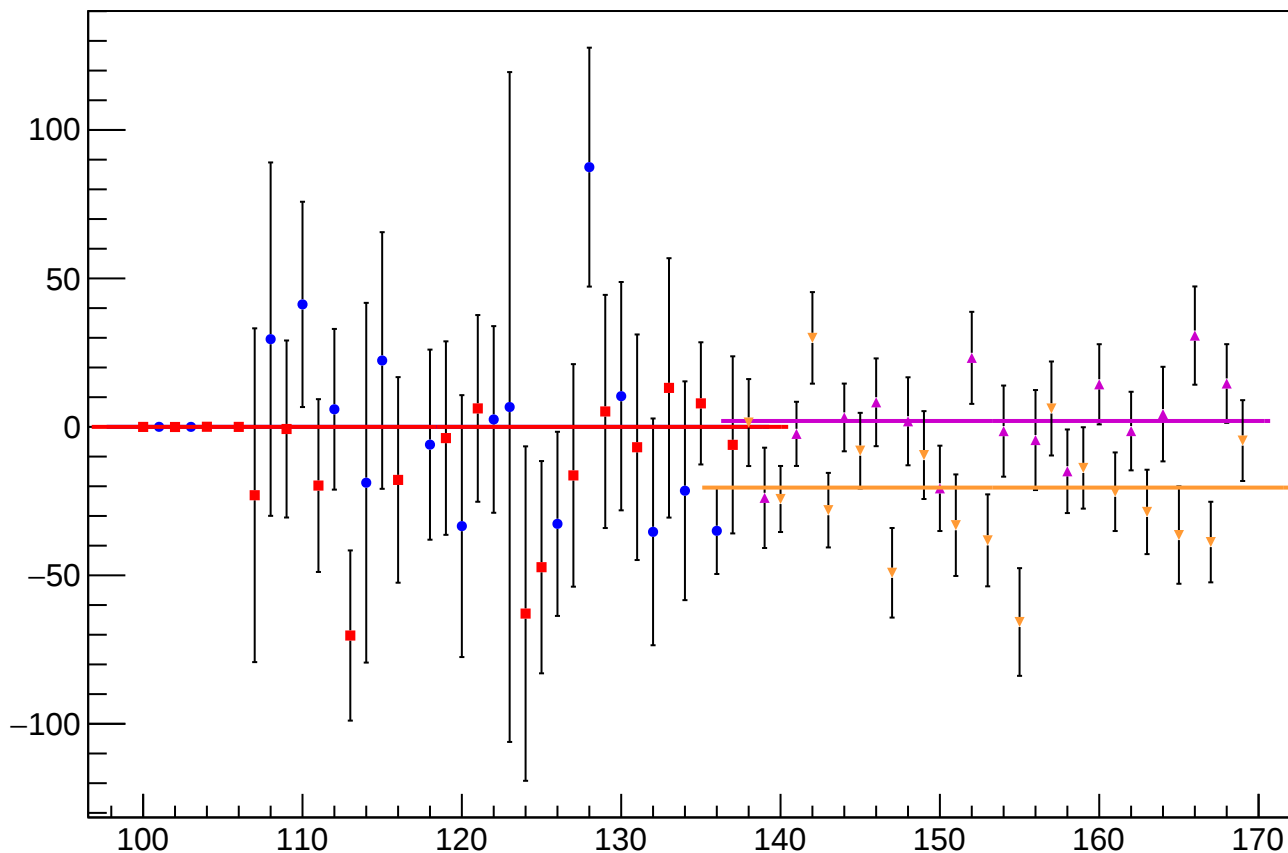
Left In: 0.008+/-0.000 χ^2/NDF :149972.7/14

+ sign 0.007+/-0.000 χ^2/NDF : 1705128.5/33

All: 0.007+/-0.000 χ^2/NDF : 3515648.4/67

- sign 0.006+/-0.000 χ^2/NDF : 1807612.6/33

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -20.444 ± 3.459 χ^2/NDF : 34.2/16

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.3/18

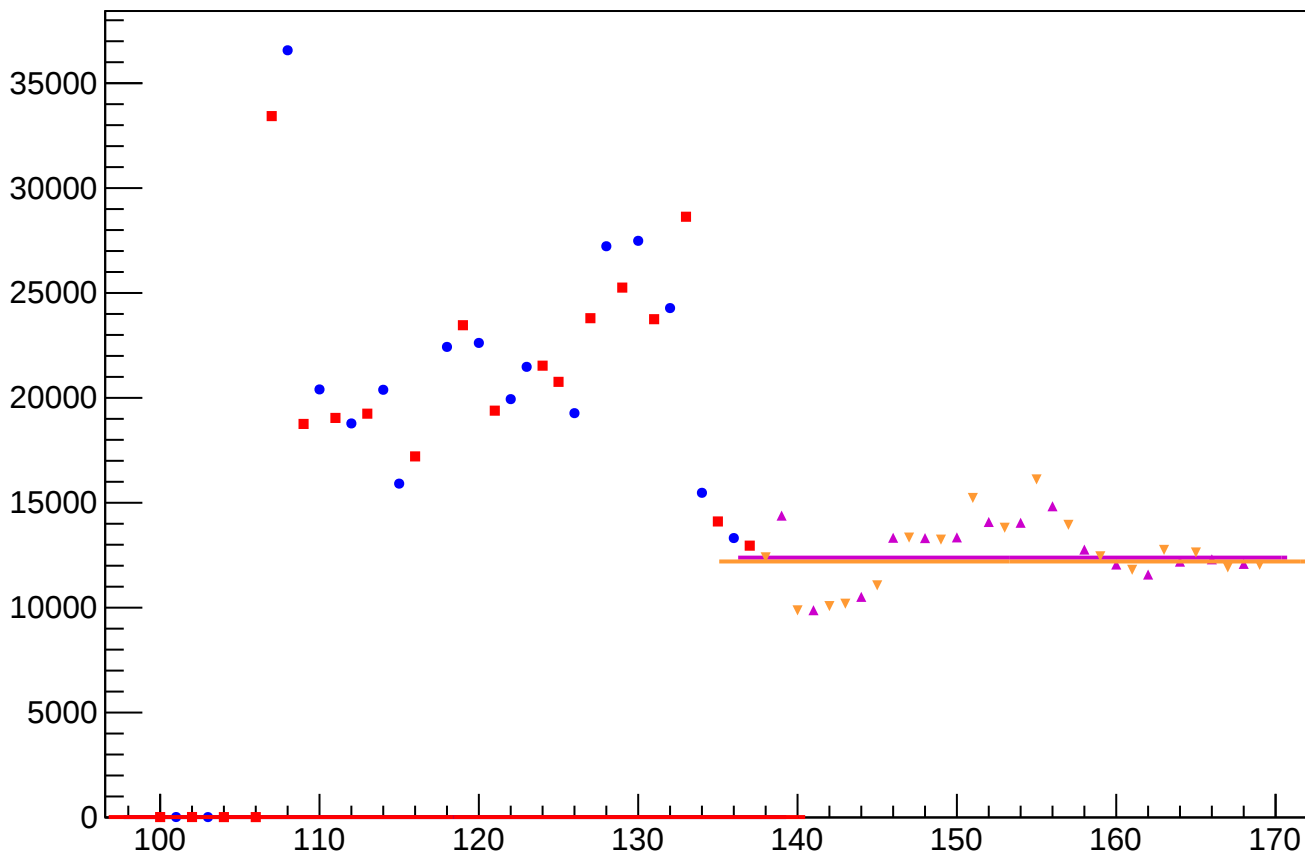
Left In: 1.990 ± 3.647 χ^2/NDF : 13.6/14

+ sign 0.013 ± 0.017 χ^2/NDF : 84.9/33

All: 0.008 ± 0.012 χ^2/NDF : 114.2/67

- sign 0.003 ± 0.016 χ^2/NDF : 29.2/33

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 10841561.4/16

Left Out: 12201.434 $\pm$ 2.446 χ^2 /NDF: 424435.3/16

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11103320.8/18

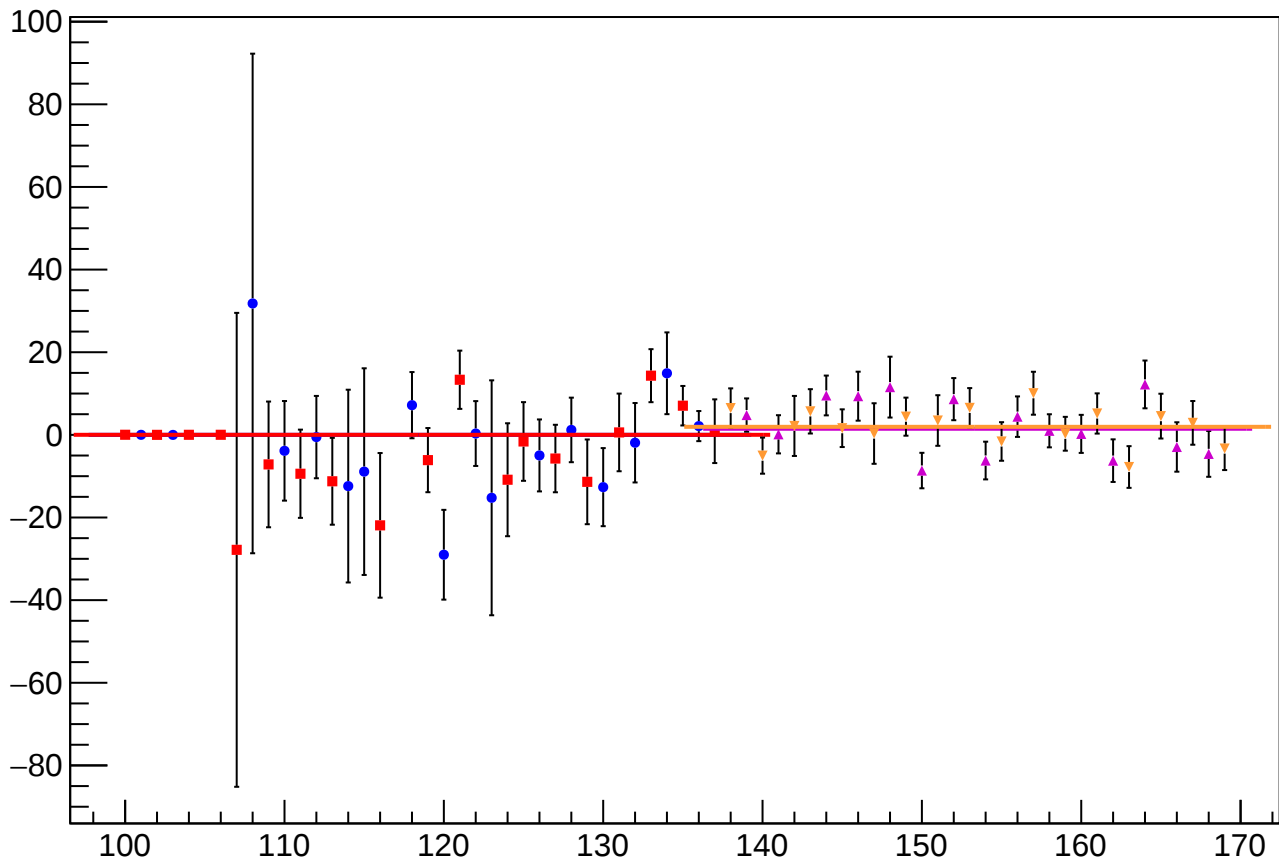
Left In: 12384.928 $\pm$ 2.579 χ^2 /NDF: 315726.6/14

+ sign 18.947 $\pm$ 0.012 χ^2 /NDF: 36071925.7/33

All: 18.734 $\pm$ 0.008 χ^2 /NDF: 70489940.7/67

- sign 18.552 $\pm$ 0.011 χ^2 /NDF: 34417456.1/33

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 1.947 $\pm$ 1.226 χ^2 /NDF:13.9/16

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

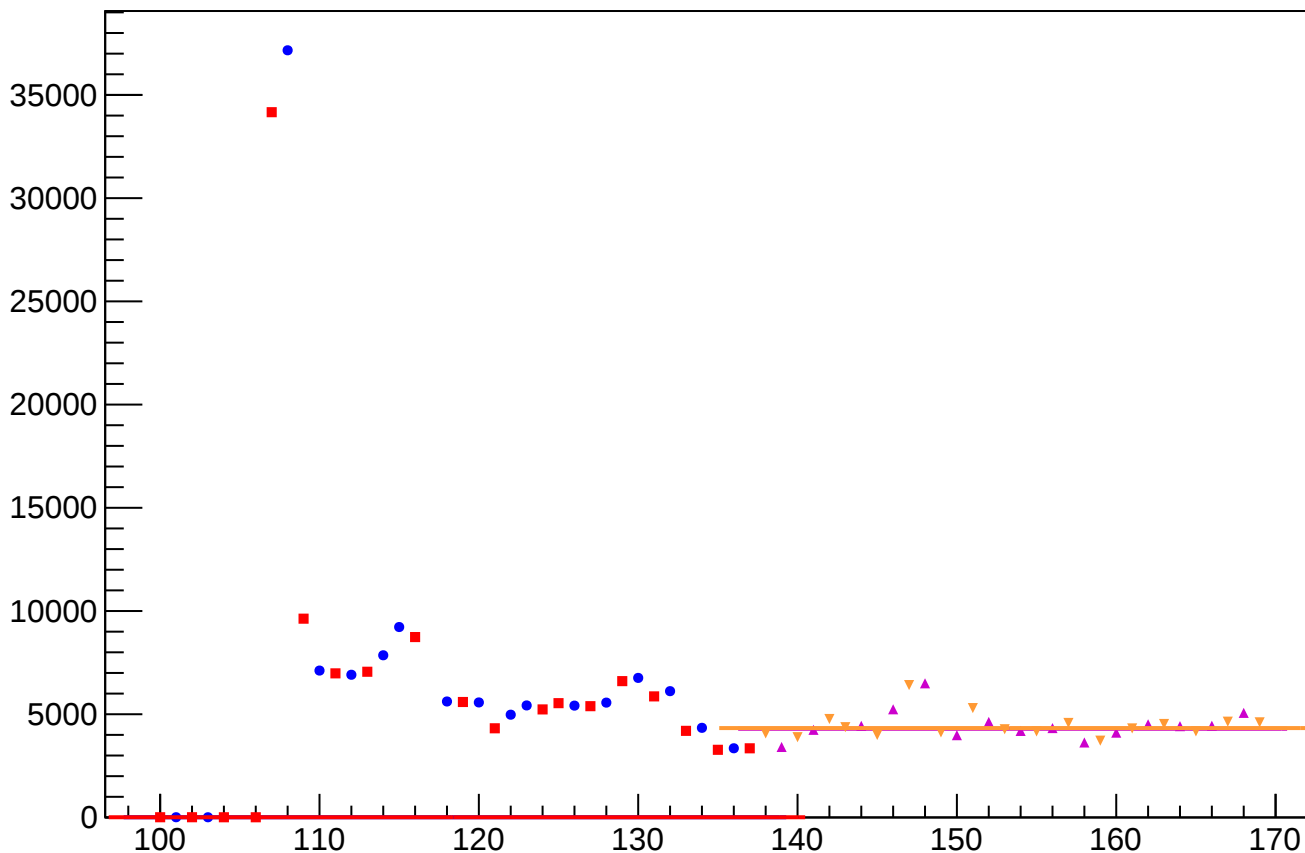
Left In: 1.478 $\pm$ 1.272 χ^2 /NDF:25.5/14

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 31.3/33

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 77.6/67

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 45.2/33

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4329.447+/-0.867 χ^2/NDF : 329374.4/16

Right Out: 9.854+/-0.006 χ^2/NDF : 11152667.7/18

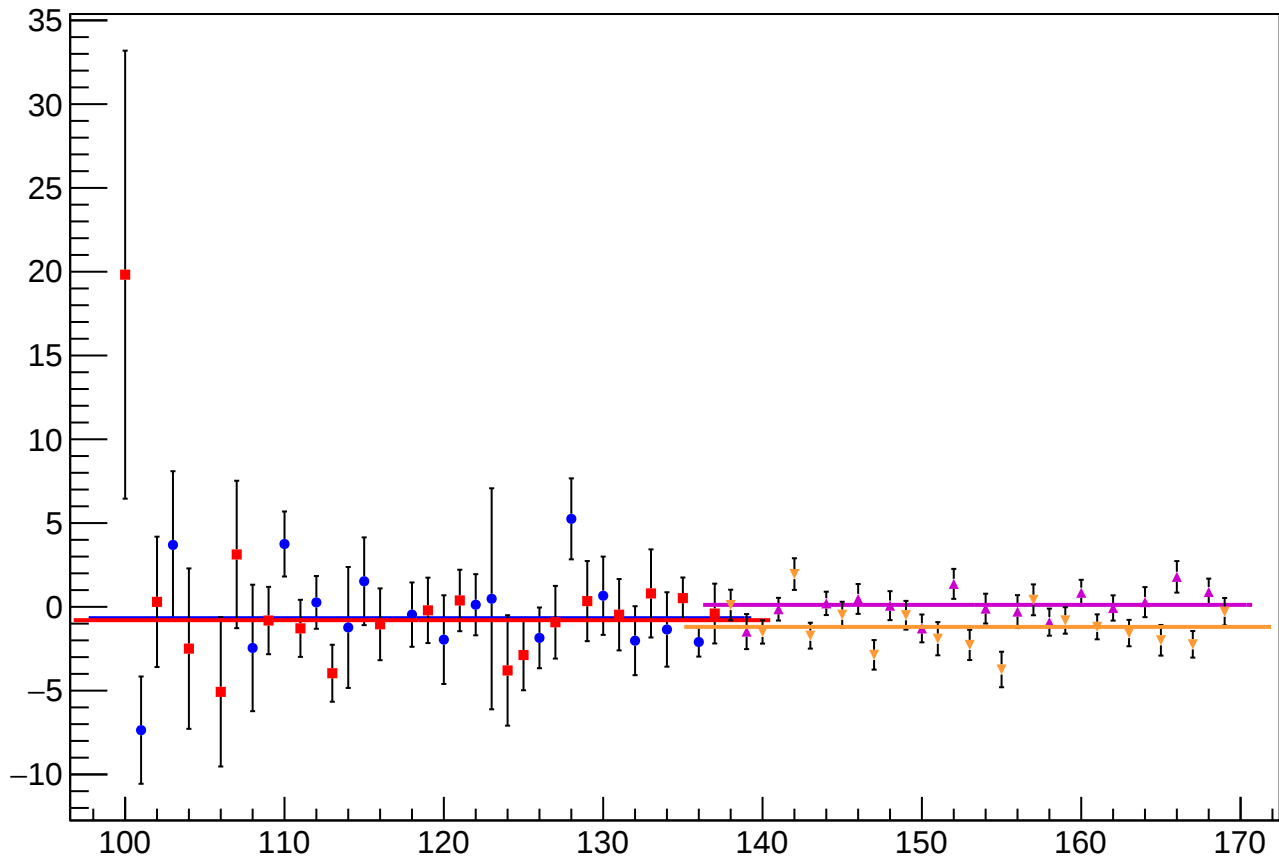
Left In: 4296.223+/-0.899 χ^2/NDF : 449880.1/14

+ sign 10.181+/-0.007 χ^2/NDF : 36109235.5/33

All: 10.113+/-0.004 χ^2/NDF : 70434124.7/67

- sign 10.053+/-0.006 χ^2/NDF : 34324682.1/33

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.197 ± 0.204 χ^2/NDF : 33.9/16

Right Out: -0.795 ± 0.501 χ^2/NDF : 12.0/18

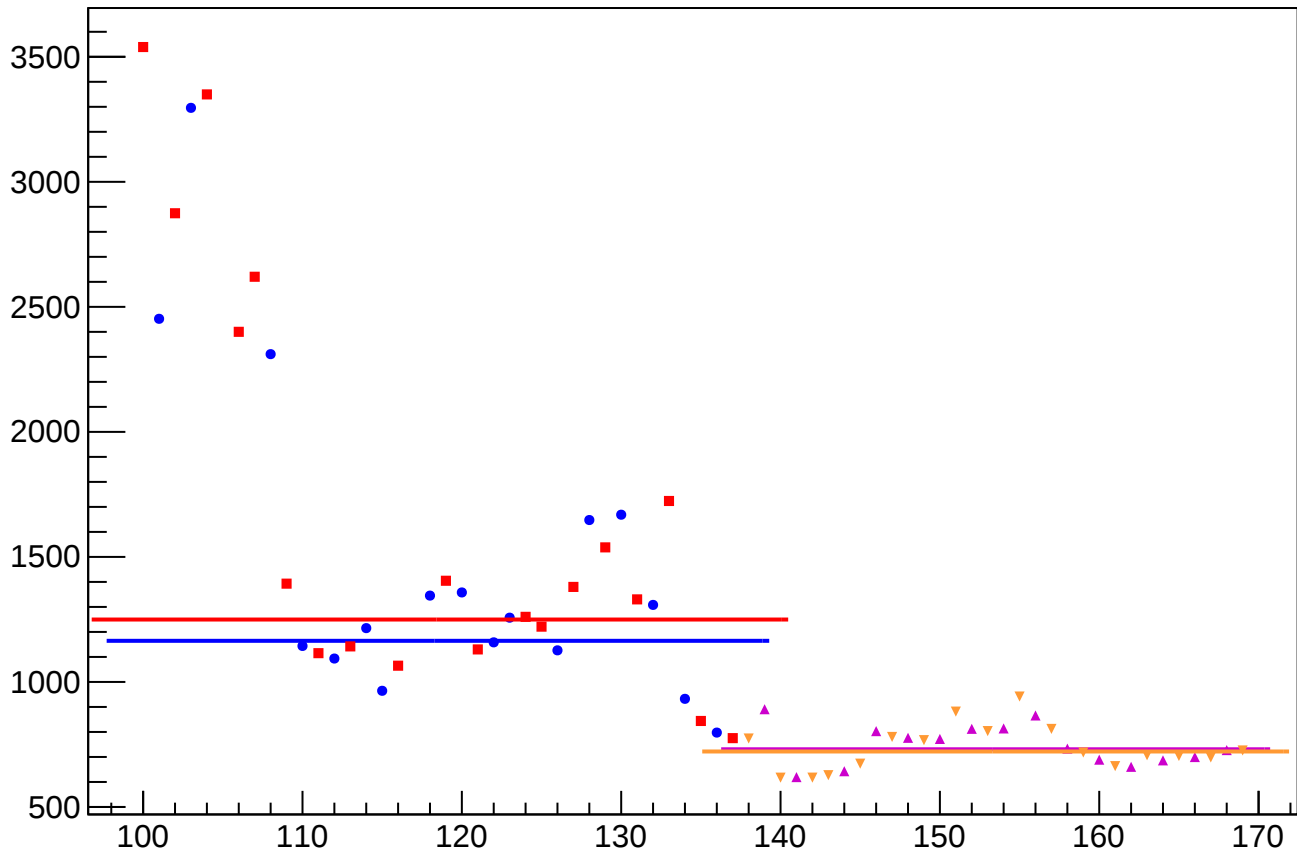
Left In: 0.118 ± 0.215 χ^2/NDF : 14.4/14

+ sign -1.118 ± 0.188 χ^2/NDF : 57.1/33

All: -0.597 ± 0.136 χ^2/NDF : 102.5/67

- sign -0.023 ± 0.197 χ^2/NDF : 29.2/33

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 721.900 $\pm$ 0.144 χ^2 /NDF: 318026.0/16

Right Out: 1249.596 $\pm$ 0.354 χ^2 /NDF: 1650133.1/18

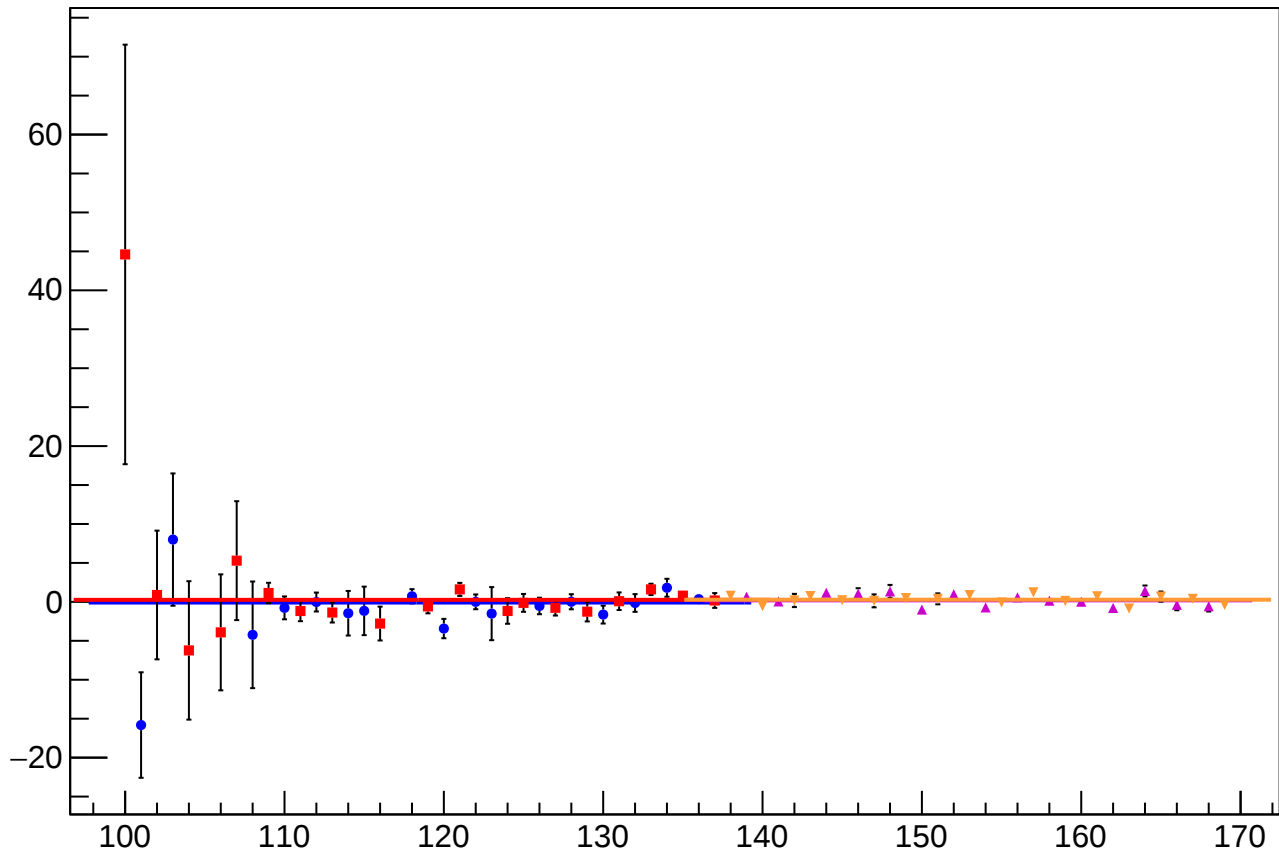
Left In: 730.724 $\pm$ 0.152 χ^2 /NDF: 258845.6/14

+ sign 788.712 $\pm$ 0.133 χ^2 /NDF: 3321165.3/33

All: 799.427 $\pm$ 0.096 χ^2 /NDF: 7054051.8/67

- sign 811.233 $\pm$ 0.140 χ^2 /NDF: 3719247.0/33

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.278 ± 0.147 χ^2/NDF : 13.4/16

Right Out: 0.259 ± 0.264 χ^2/NDF : 20.4/18

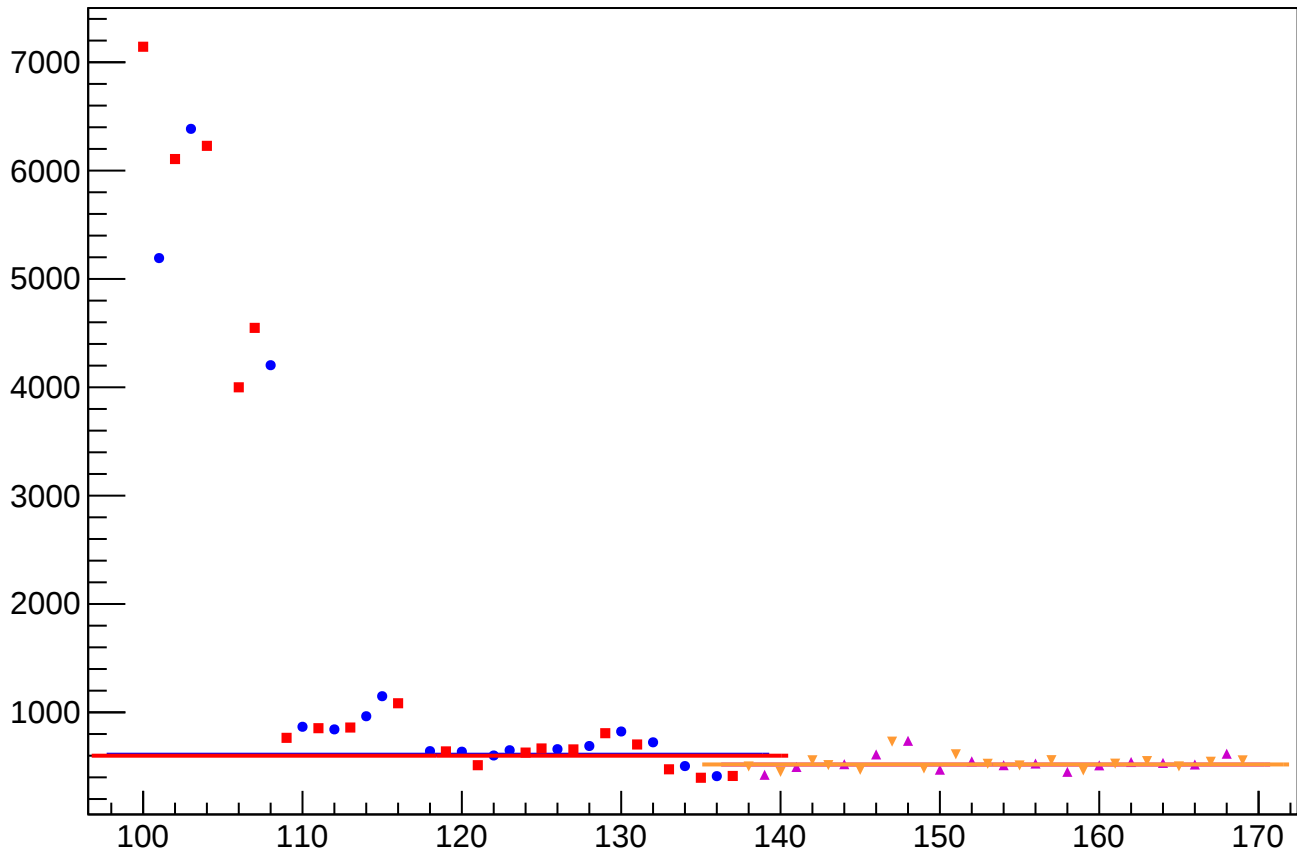
Left In: 0.197 ± 0.153 χ^2/NDF : 25.1/14

+ sign 0.195 ± 0.129 χ^2/NDF : 35.8/33

All: 0.204 ± 0.092 χ^2/NDF : 81.4/67

- sign 0.213 ± 0.132 χ^2/NDF : 45.6/33

diff_cav4cY_rms vs Slug



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 519.095 $\pm$ 0.104 χ^2 /NDF:282134.5/16

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

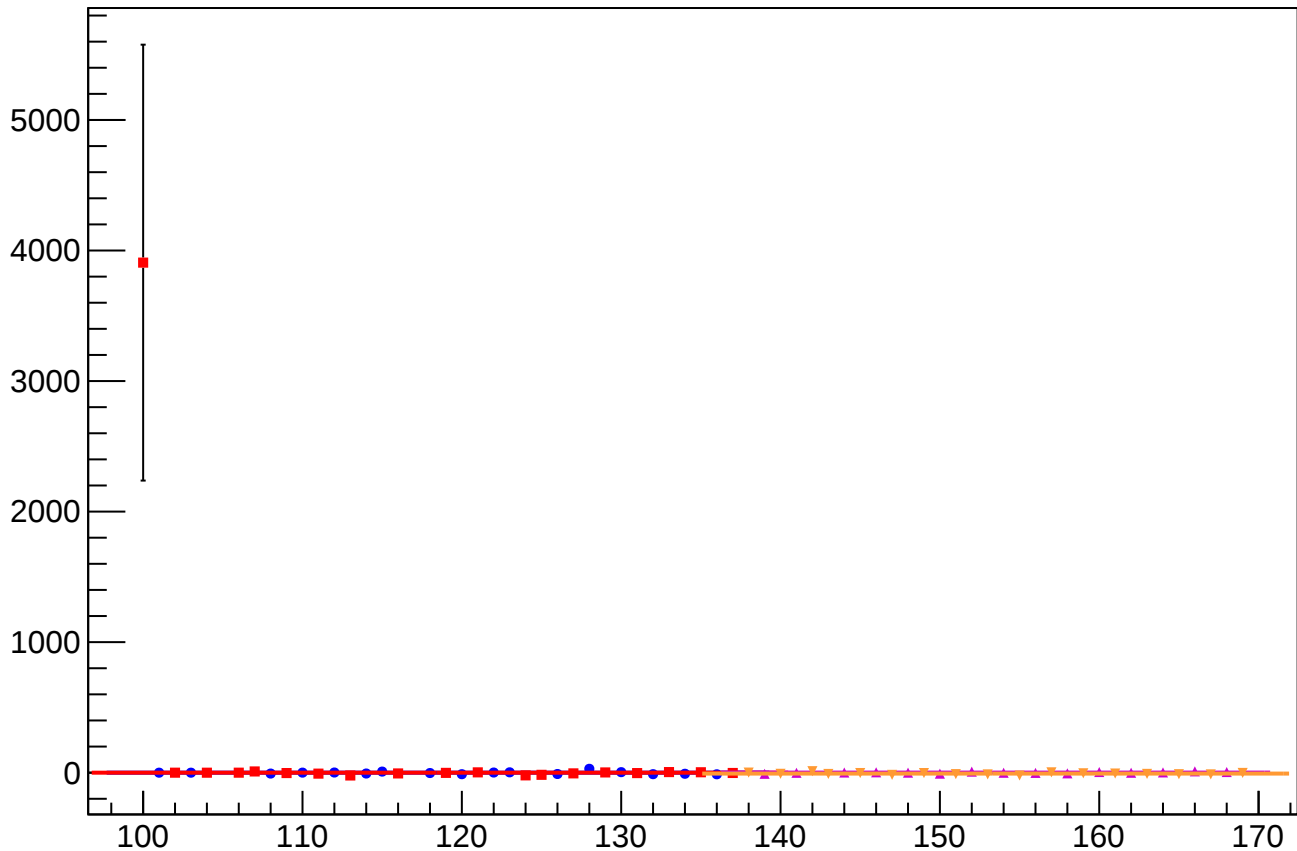
Left In: 518.058 $\pm$ 0.108 χ^2 /NDF:356686.8/14

+ sign 539.602 $\pm$ 0.091 χ^2 /NDF: 3592411.3/33

All: 539.111 $\pm$ 0.065 χ^2 /NDF: 7640414.9/67

- sign 538.593 $\pm$ 0.094 χ^2 /NDF: 4047943.9/33

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -6.926 ± 1.190 χ^2/NDF : 33.9/16

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.3/18

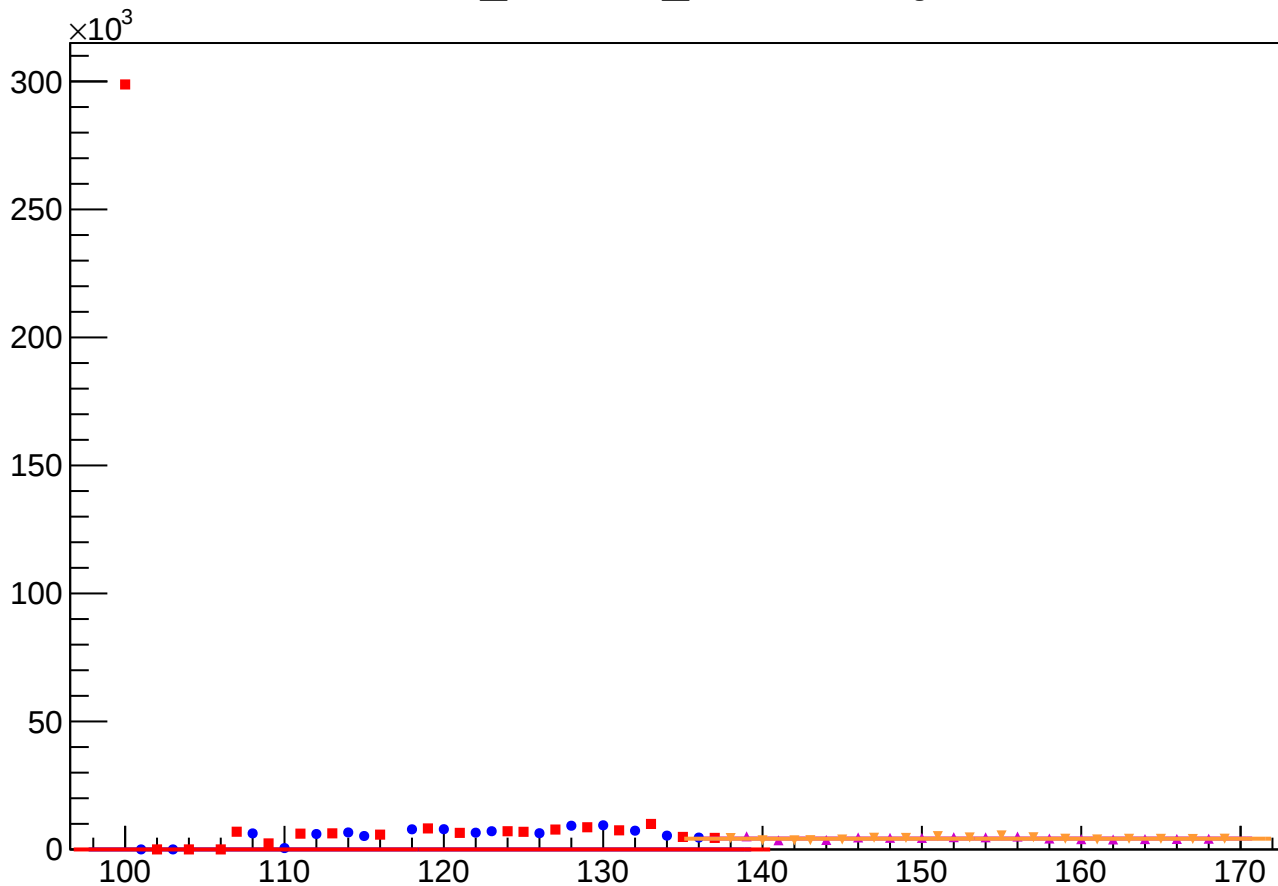
Left In: 0.703 ± 1.254 χ^2/NDF : 14.0/14

+ sign -0.024 ± 0.021 χ^2/NDF : 82.8/33

All: -0.025 ± 0.014 χ^2/NDF : 114.5/67

- sign -0.027 ± 0.020 χ^2/NDF : 31.6/33

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4204.749 $\pm$ 0.841 χ^2 /NDF: 335472.7/16

Right Out: 17.268 $\pm$ 0.014 χ^2 /NDF: 10813350.8/18

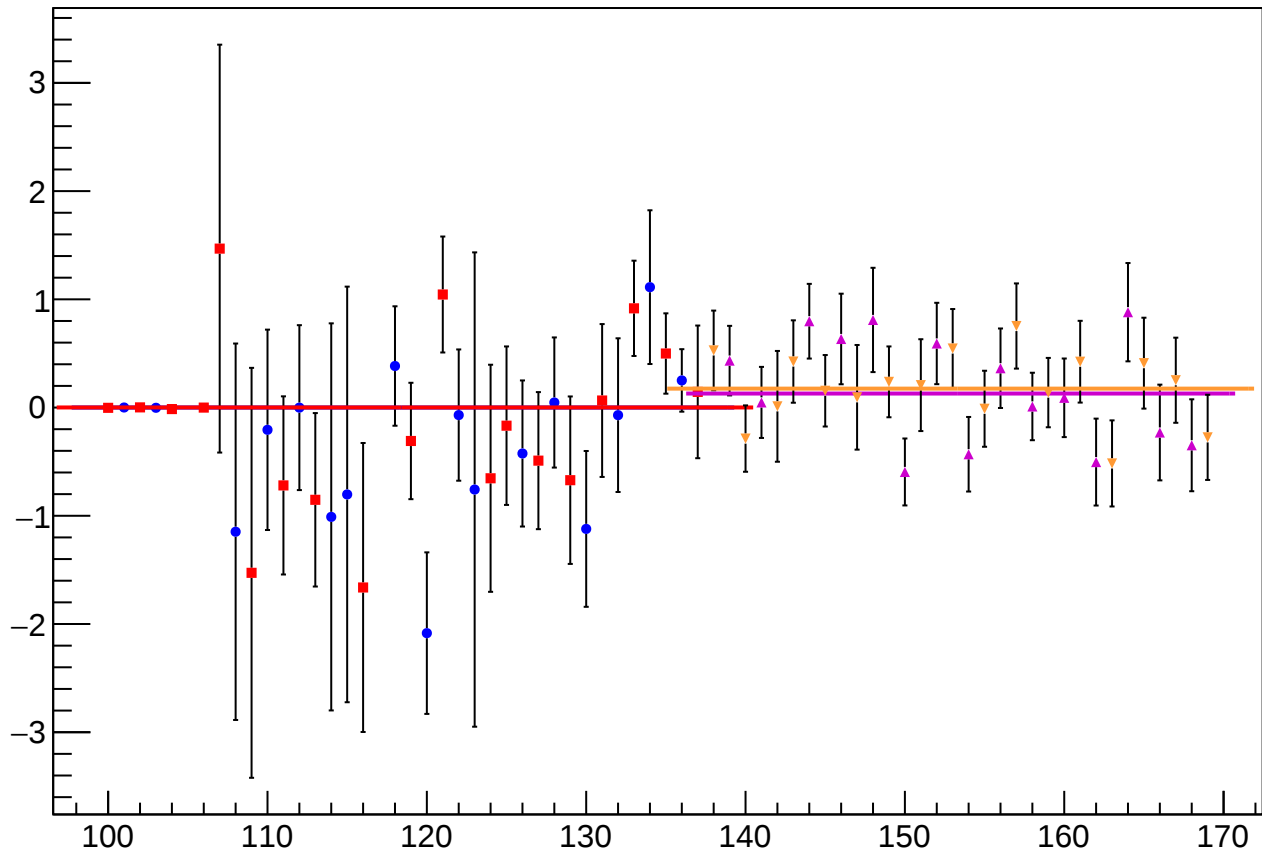
Left In: 4264.665 $\pm$ 0.887 χ^2 /NDF: 262276.5/14

+ sign 18.616 $\pm$ 0.015 χ^2 /NDF: 35469878.6/33

All: 18.463 $\pm$ 0.010 χ^2 /NDF: 69488121.4/67

- sign 18.325 $\pm$ 0.014 χ^2 /NDF: 34018036.3/33

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.6/16

Left Out: 0.175 $\pm$ 0.091 χ^2 /NDF:12.4/16

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 17.8/18

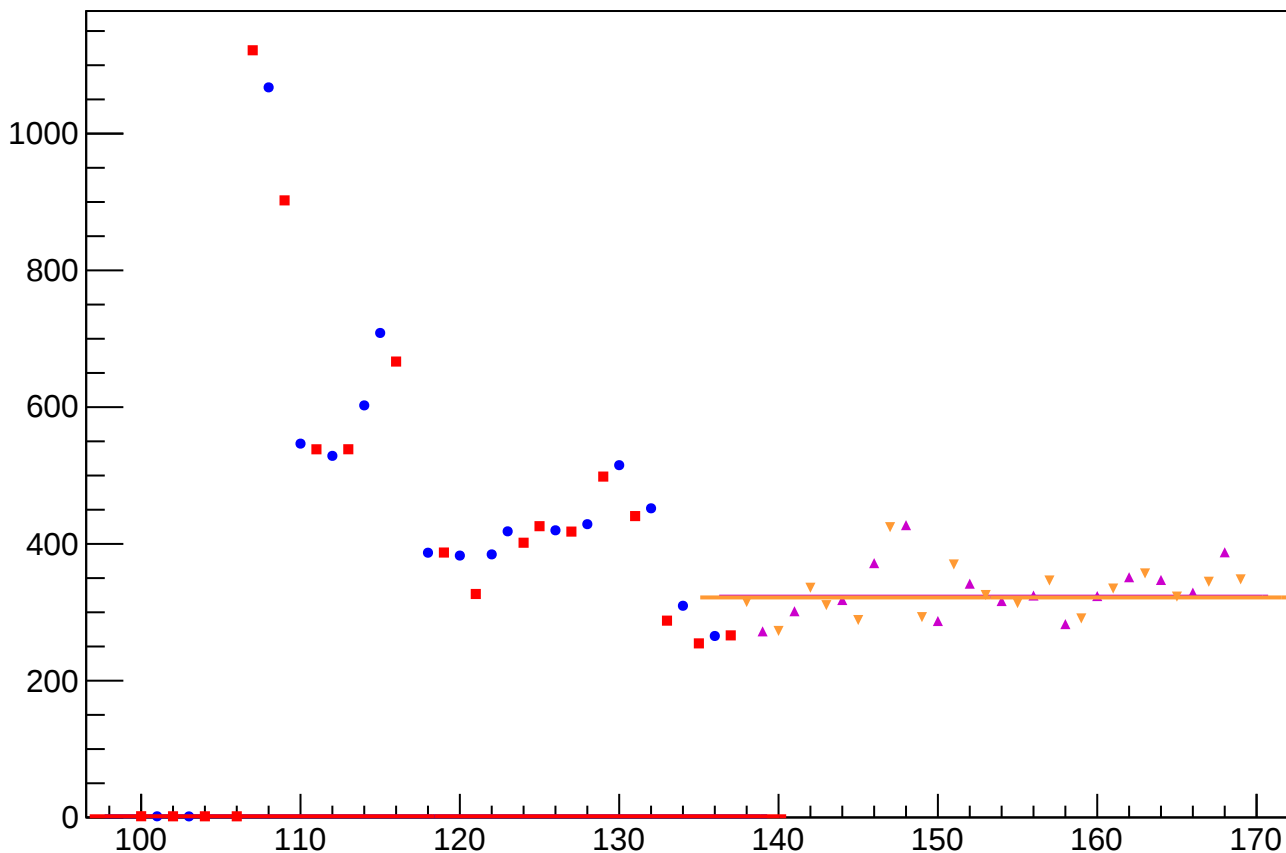
Left In: 0.130 $\pm$ 0.095 χ^2 /NDF:25.5/14

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 31.7/33

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 76.9/67

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 45.2/33

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 321.728+/-0.064 χ^2/NDF : 268030.8/16

Right Out: 1.728+/-0.001 χ^2/NDF : 10736674.8/18

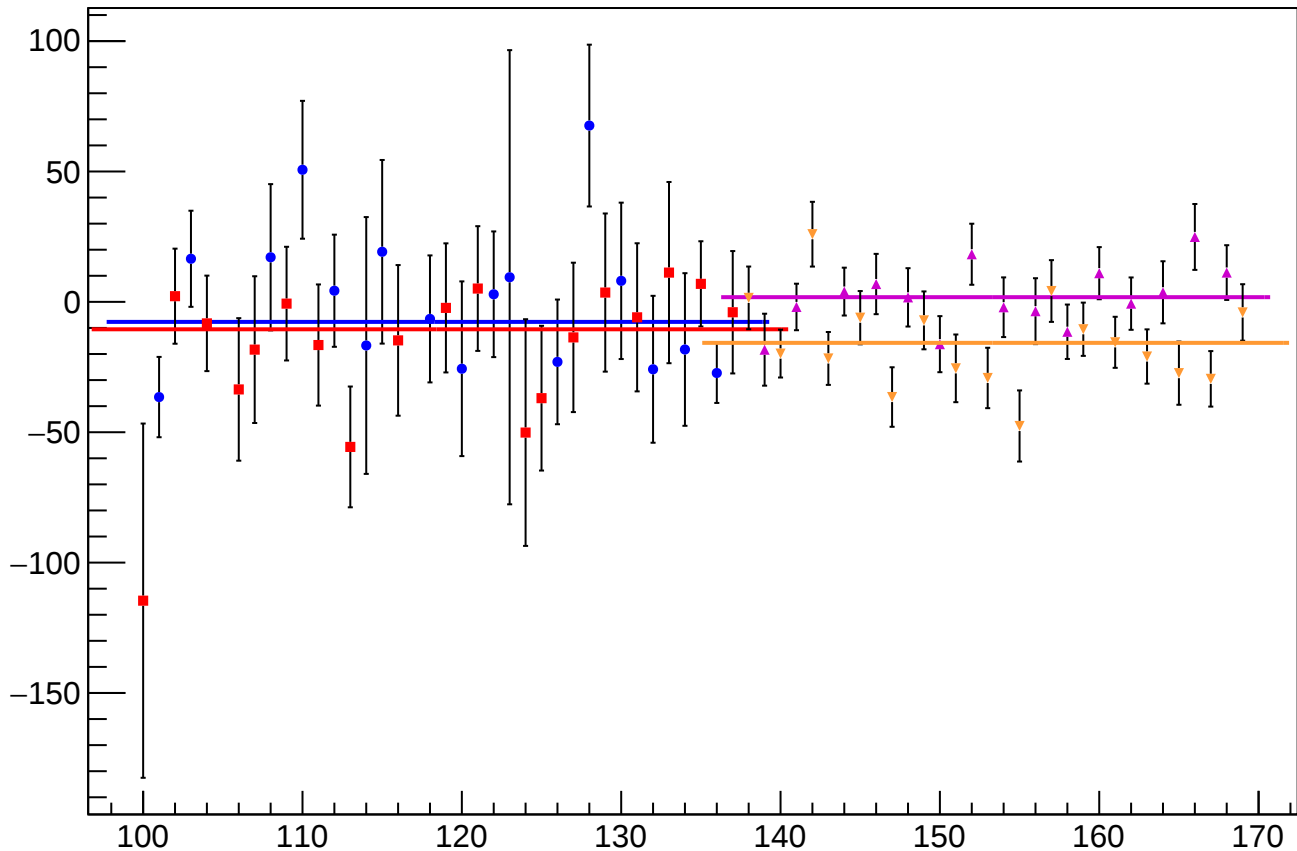
Left In: 322.873+/-0.067 χ^2/NDF : 308631.4/14

+ sign 1.857+/-0.001 χ^2/NDF : 35917063.5/33

All: 1.859+/-0.001 χ^2/NDF : 69708020.0/67

- sign 1.861+/-0.001 χ^2/NDF : 33790951.3/33

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -15.721 ± 2.676 χ^2/NDF : 33.2/16

Right Out: -10.524 ± 5.682 χ^2/NDF : 11.9/18

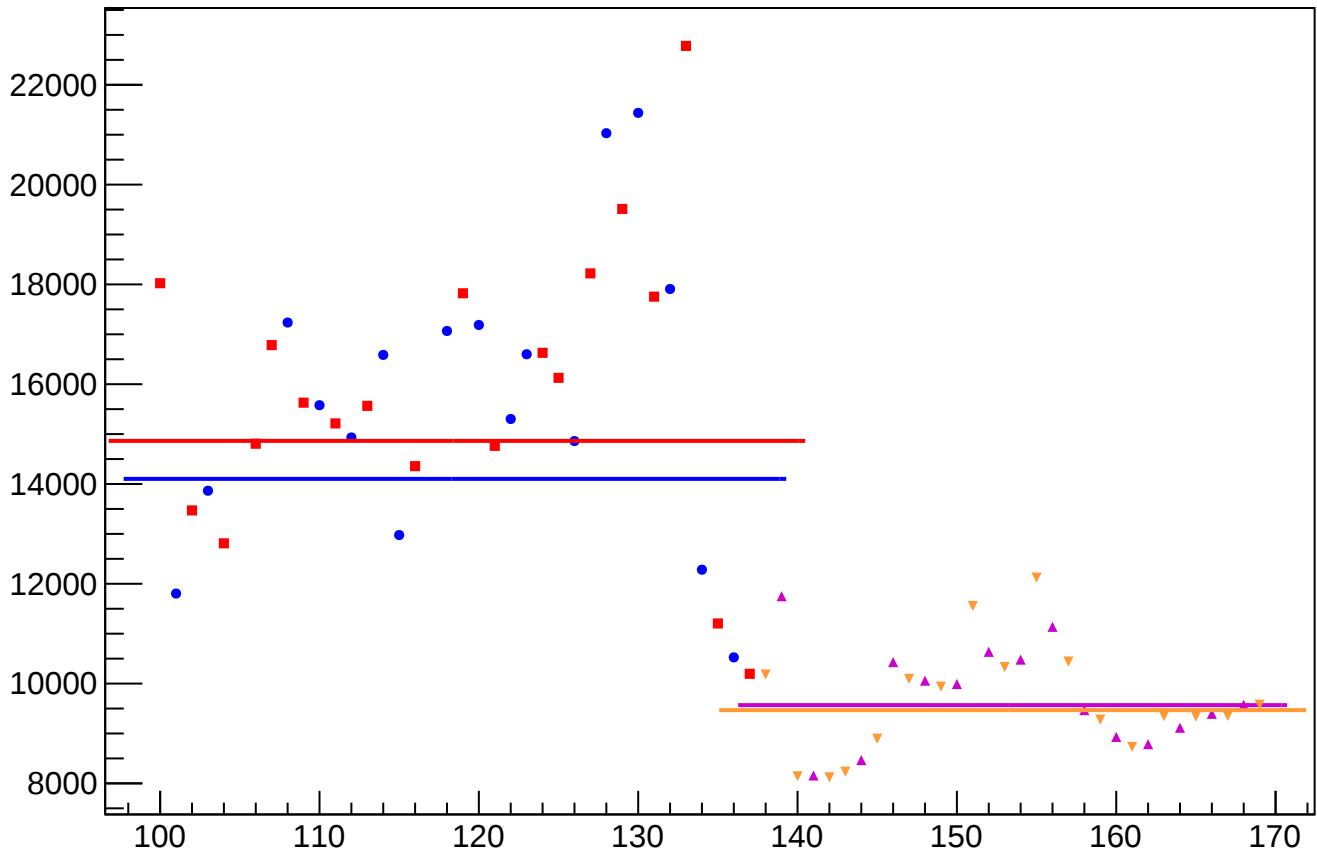
Left In: 1.797 ± 2.811 χ^2/NDF : 14.3/14

+ sign -14.239 ± 2.416 χ^2/NDF : 57.2/33

All: -7.718 ± 1.744 χ^2/NDF : 102.4/67

- sign -0.626 ± 2.520 χ^2/NDF : 30.0/33

diff_bpm4aX_rms vs Slug



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9468.006 $\pm$ 1.892 χ^2 /NDF: 283155.4/16

+ sign 10322.556 $\pm$ 1.709 χ^2 /NDF: 1988550.7/33

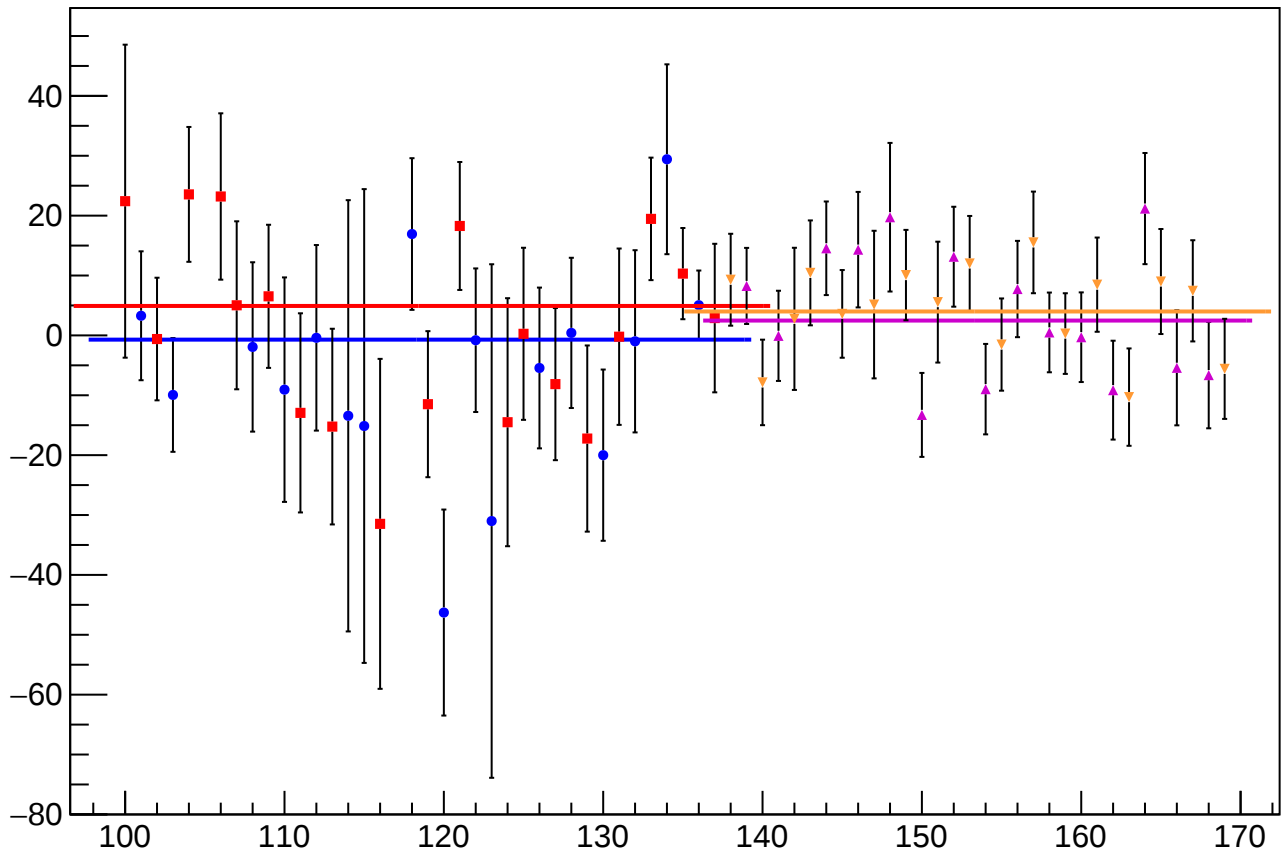
Right Out: 14864.163 $\pm$ 4.018 χ^2 /NDF: 470280.3/18

All: 10460.138 $\pm$ 1.233 χ^2 /NDF: 4098772.1/6

- sign 10609.763 $\pm$ 1.782 χ^2 /NDF: 2096686.1/33

Left In: 9568.257 $\pm$ 1.988 χ^2 /NDF: 230781.3/14

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 3.995 ± 1.998 χ^2/NDF : 13.4/16

Right Out: 4.918 ± 2.940 χ^2/NDF : 19.8/18

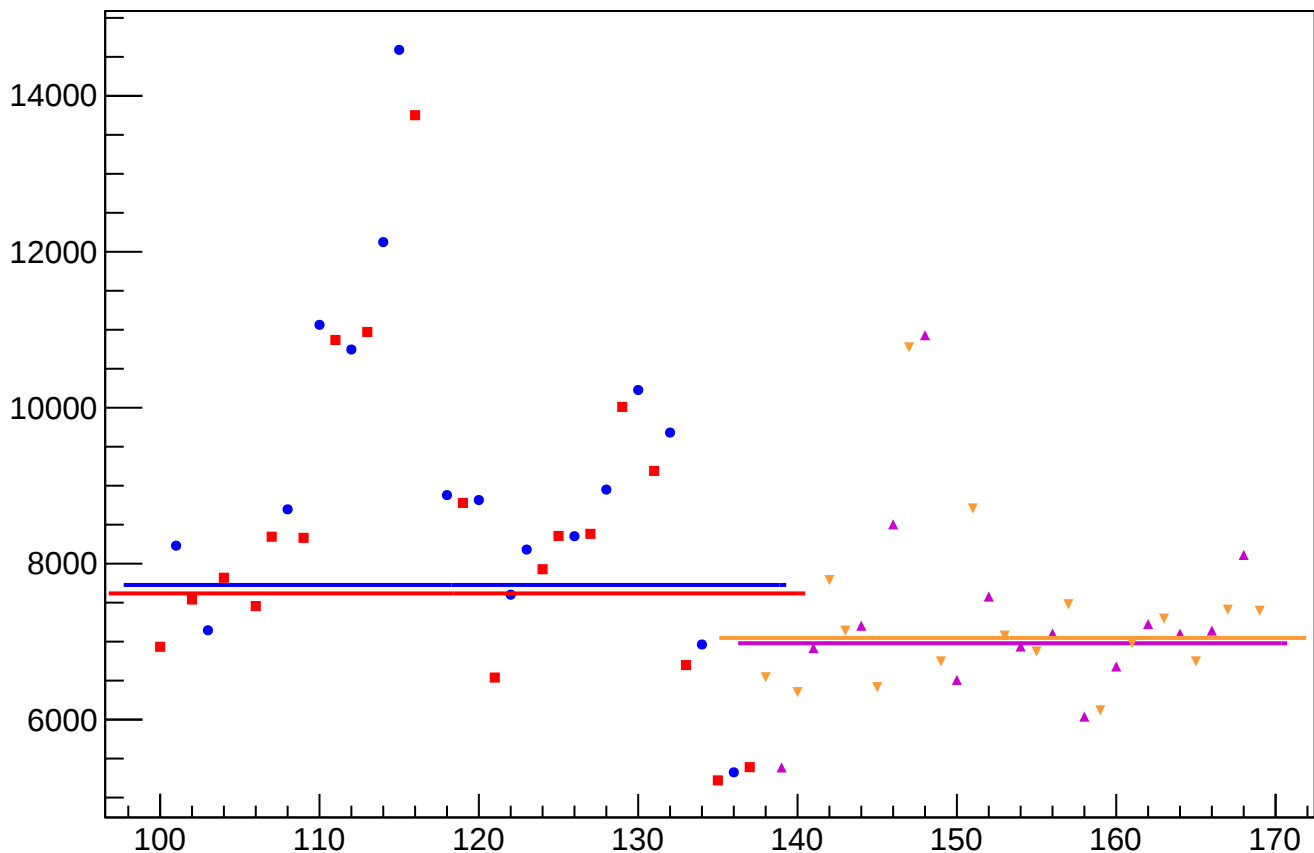
Left In: 2.477 ± 2.068 χ^2/NDF : 24.2/14

+ sign 2.605 ± 1.677 χ^2/NDF : 32.6/33

All: 2.942 ± 1.191 χ^2/NDF : 77.0/67

- sign 3.285 ± 1.691 χ^2/NDF : 44.4/33

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7047.163 $\pm$ 1.413 χ^2 /NDF:346477.3/16

Right Out: 7618.206 $\pm$ 2.079 χ^2 /NDF: 675125.4/18

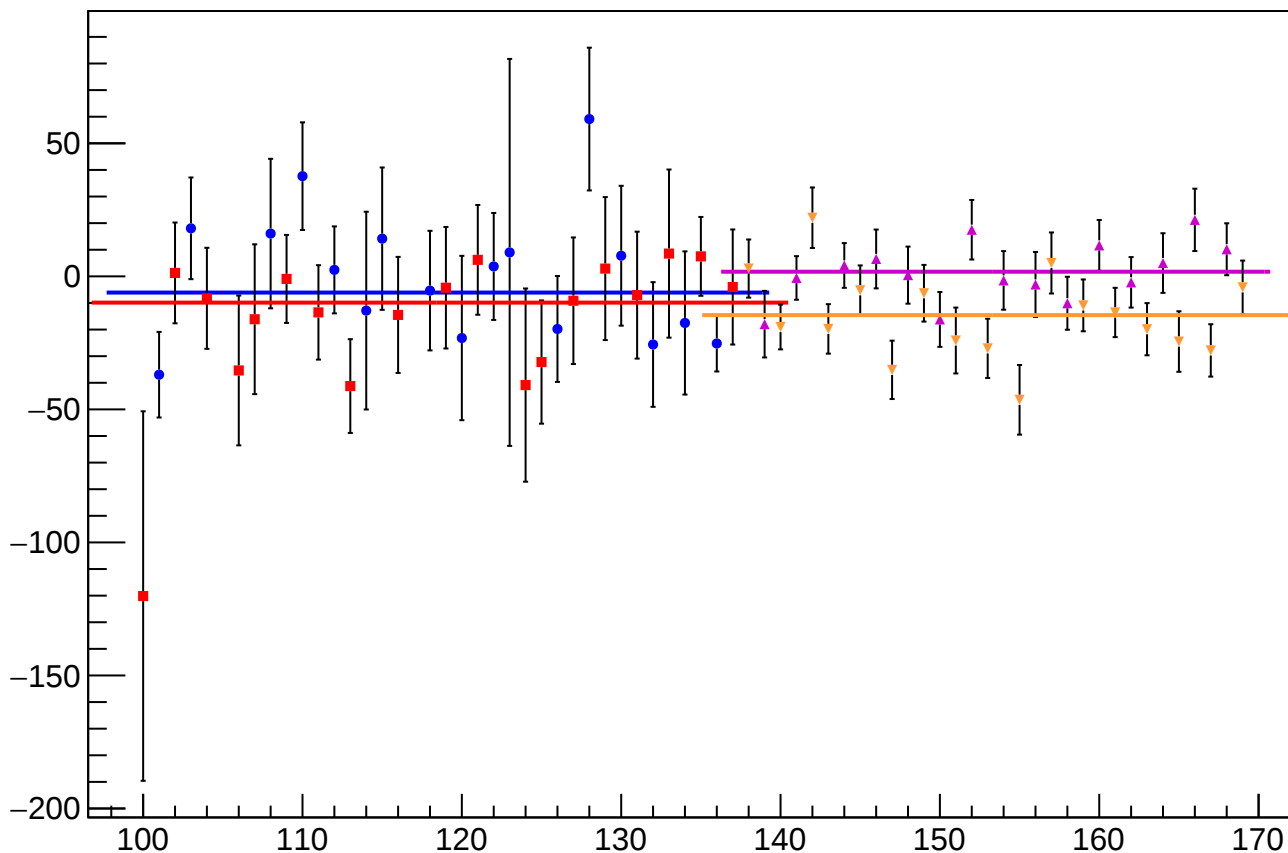
Left In: 6979.182 $\pm$ 1.462 χ^2 /NDF:478243.7/14

+ sign 7248.059 $\pm$ 1.185 χ^2 /NDF: 1157417.7/33

All: 7219.640 $\pm$ 0.842 χ^2 /NDF: 2375174.5/67

- sign 7190.719 $\pm$ 1.196 χ^2 /NDF: 1216597.3/33

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -14.566 ± 2.508 χ^2/NDF : 33.4/16

Right Out: -9.864 ± 5.004 χ^2/NDF : 11.6/18

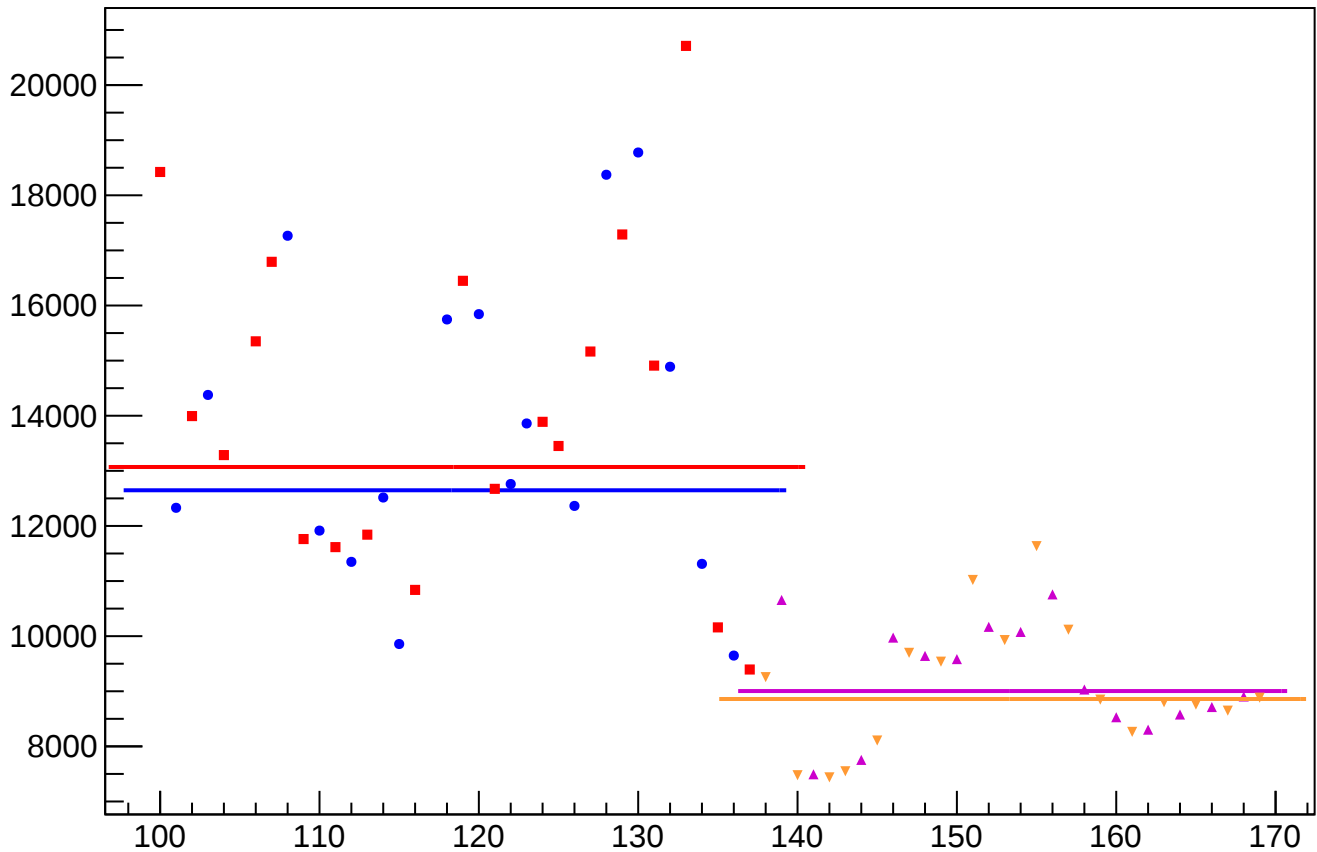
Left In: 1.742 ± 2.648 χ^2/NDF : 14.4/14

+ sign -12.881 ± 2.245 χ^2/NDF : 58.6/33

All: -7.092 ± 1.620 χ^2/NDF : 102.7/67

- sign -0.797 ± 2.341 χ^2/NDF : 30.2/33

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8859.757+/-1.773 χ^2/NDF : 363107.0/16

+ sign 9612.981+/-1.587 χ^2/NDF : 1824546.5/33

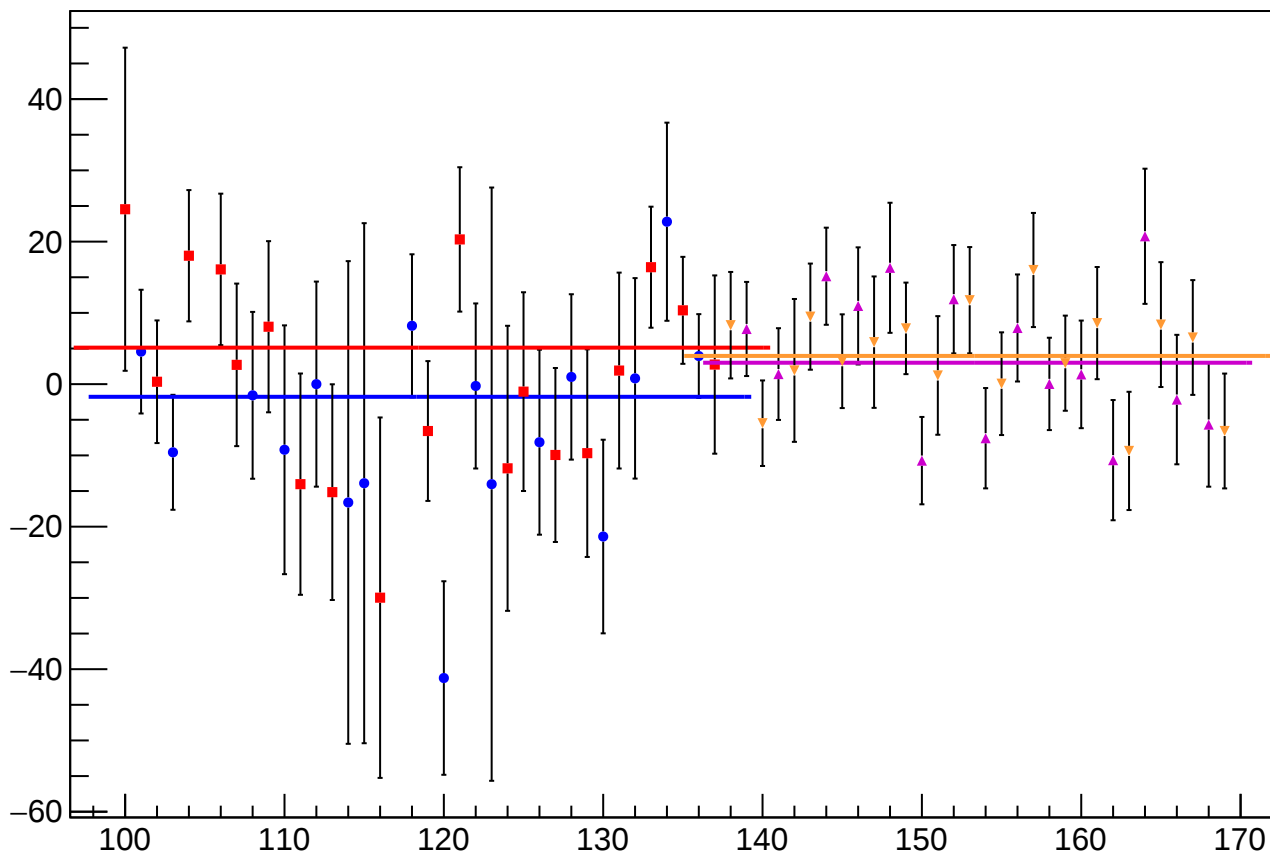
Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

All: 9747.484+/-1.146 χ^2/NDF : 3645522.7/67

Left In: 9003.979+/-1.873 χ^2/NDF : 278024.1/14

- sign 9893.715+/-1.655 χ^2/NDF : 1805989.3/33

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 3.961 ± 1.835 χ^2/NDF : 12.6/16

Right Out: 5.122 ± 2.642 χ^2/NDF : 18.9/18

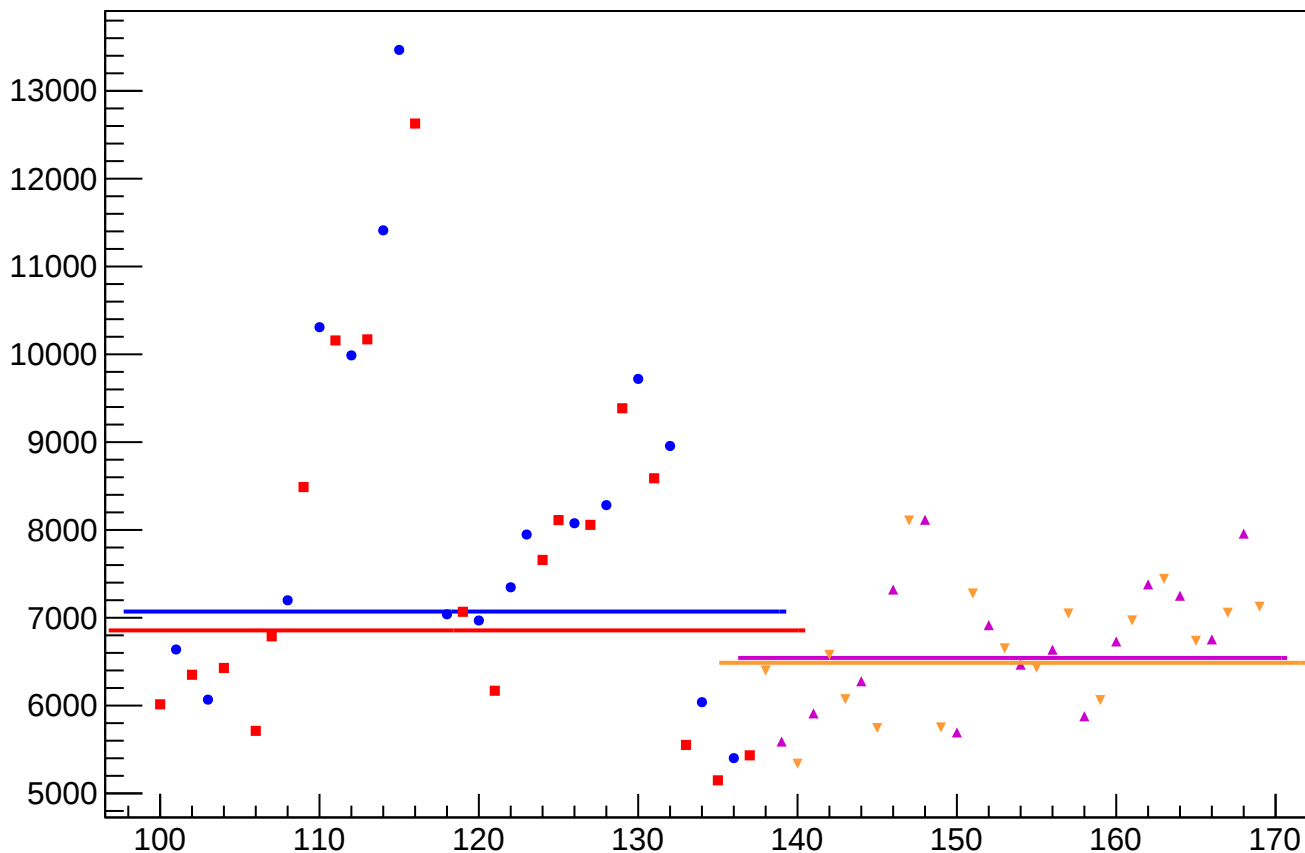
Left In: 3.004 ± 1.928 χ^2/NDF : 23.6/14

+ sign 2.242 ± 1.536 χ^2/NDF : 33.5/33

All: 2.981 ± 1.094 χ^2/NDF : 76.9/67

- sign 3.740 ± 1.557 χ^2/NDF : 42.9/33

diff_bpm4eY_rms vs Slug



Right In: 7070.672+/-1.984 χ^2/NDF : 601692.5/16

Left Out: 6487.310+/-1.298 χ^2/NDF : 288865.1/16

Right Out: 6856.136+/-1.868 χ^2/NDF : 682220.3/18

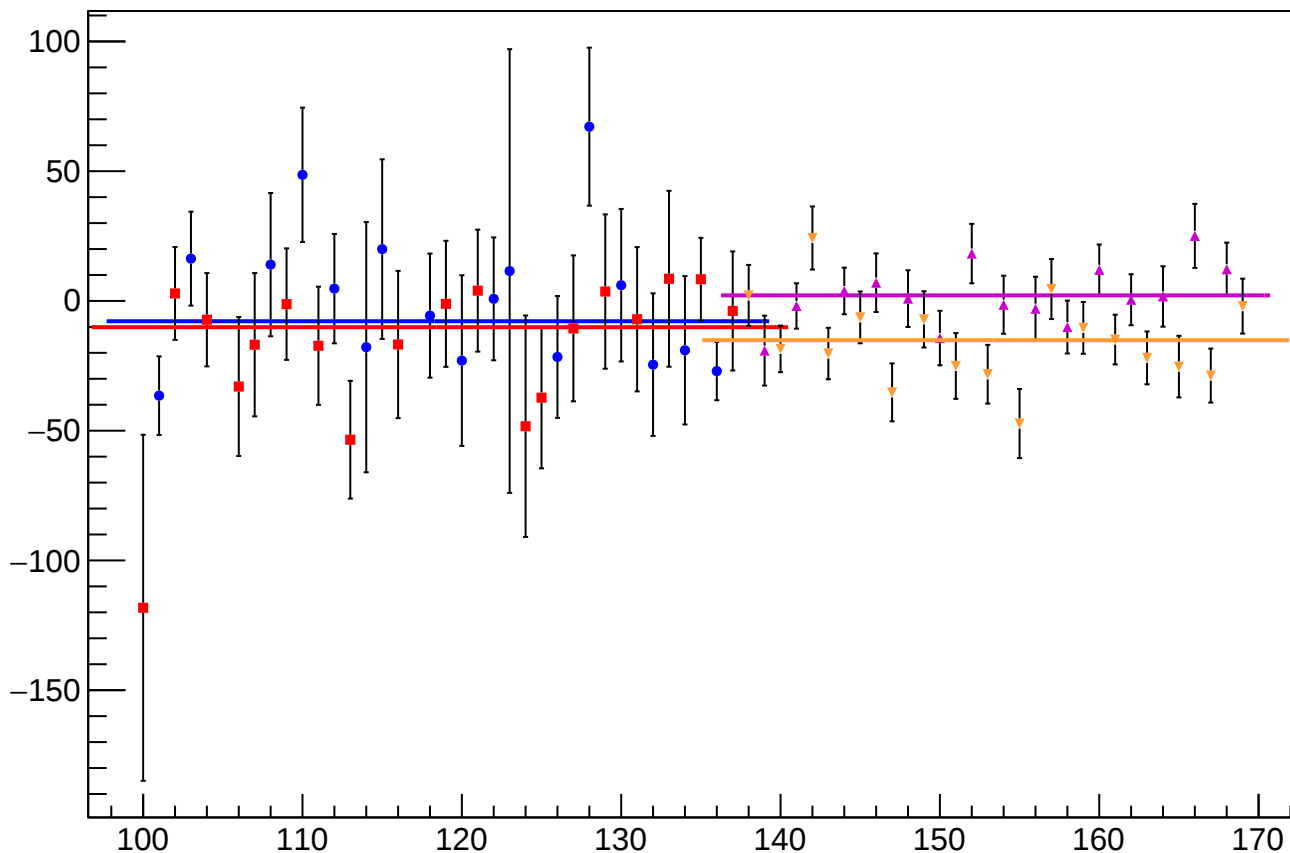
Left In: 6542.477+/-1.363 χ^2/NDF : 291876.7/14

+ sign 6662.059+/-1.086 χ^2/NDF : 951106.5/33

All: 6656.840+/-0.773 χ^2/NDF : 1943645.4/67

- sign 6651.474+/-1.101 χ^2/NDF : 992492.1/33

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -15.139 ± 2.616 χ^2/NDF : 33.0/16

Right Out: -10.117 ± 5.571 χ^2/NDF : 12.2/18

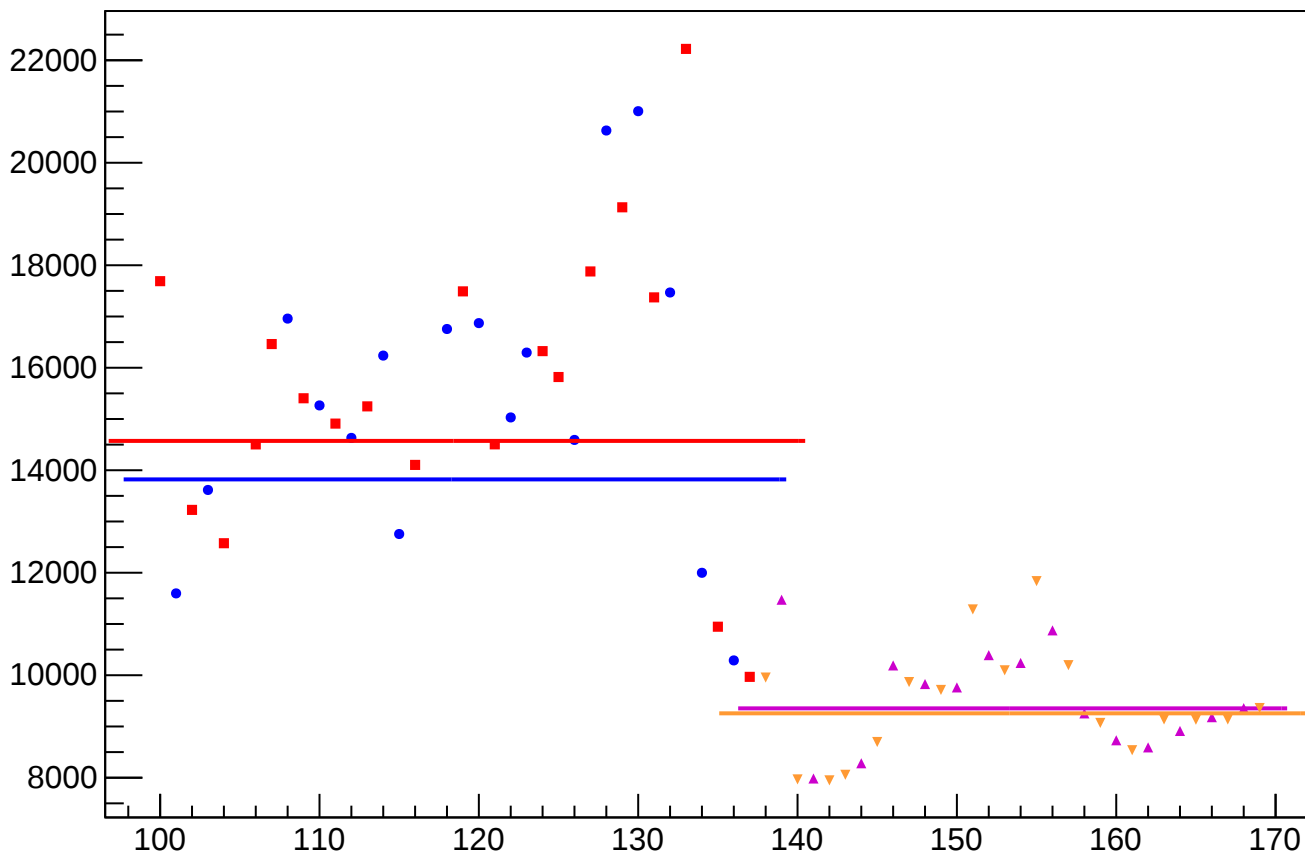
Left In: 2.150 ± 2.748 χ^2/NDF : 14.6/14

+ sign -13.796 ± 2.363 χ^2/NDF : 56.7/33

All: -7.307 ± 1.706 χ^2/NDF : 103.1/67

- sign -0.250 ± 2.465 χ^2/NDF : 30.6/33

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9256.444+/-1.849 χ^2/NDF : 279932.3/16

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

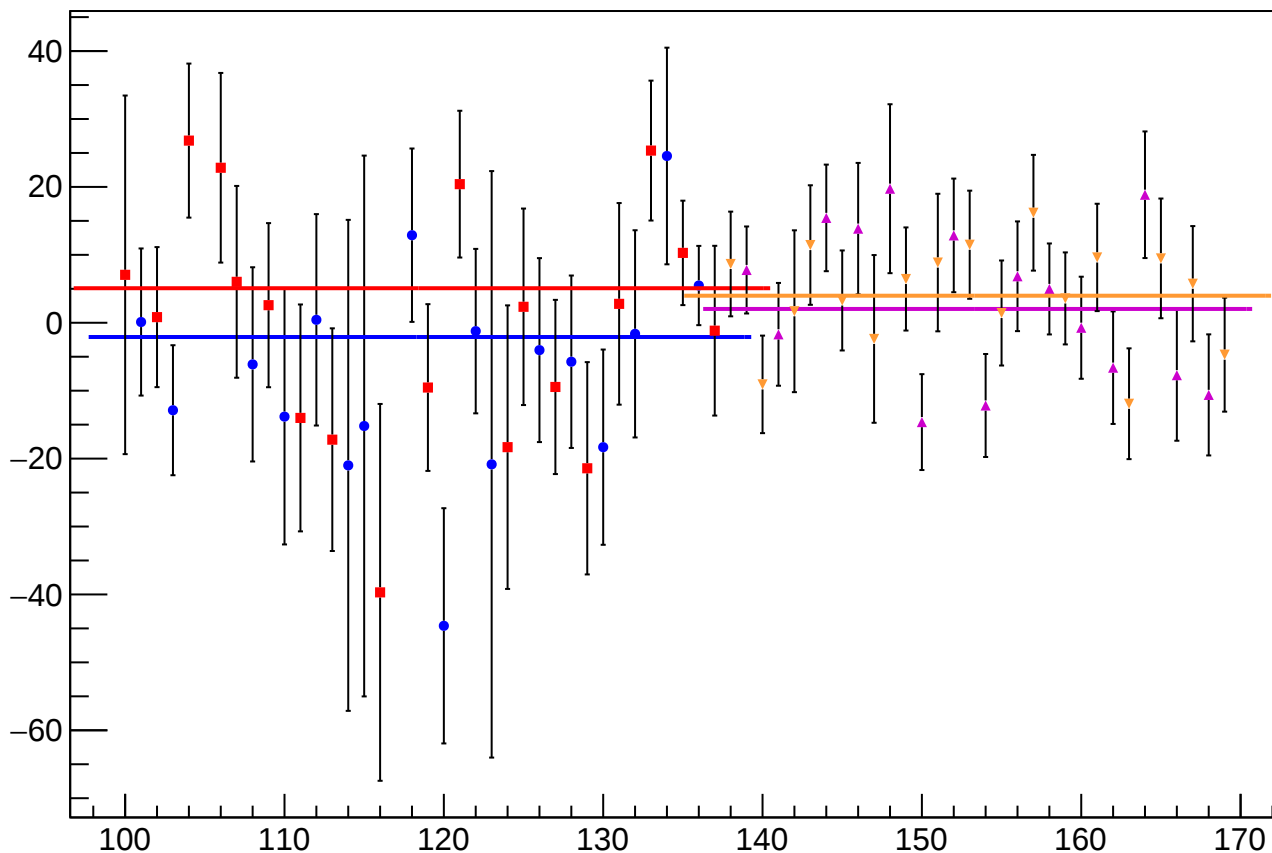
Left In: 9353.374+/-1.943 χ^2/NDF : 228013.6/14

+ sign 10094.426+/-1.671 χ^2/NDF : 2000933.1/33

All: 10228.703+/-1.206 χ^2/NDF : 4126592.4/6

- sign 10374.736+/-1.743 χ^2/NDF : 2112180.9/33

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 3.983 ± 2.006 χ^2/NDF : 13.9/16

Right Out: 5.085 ± 2.962 χ^2/NDF : 24.8/18

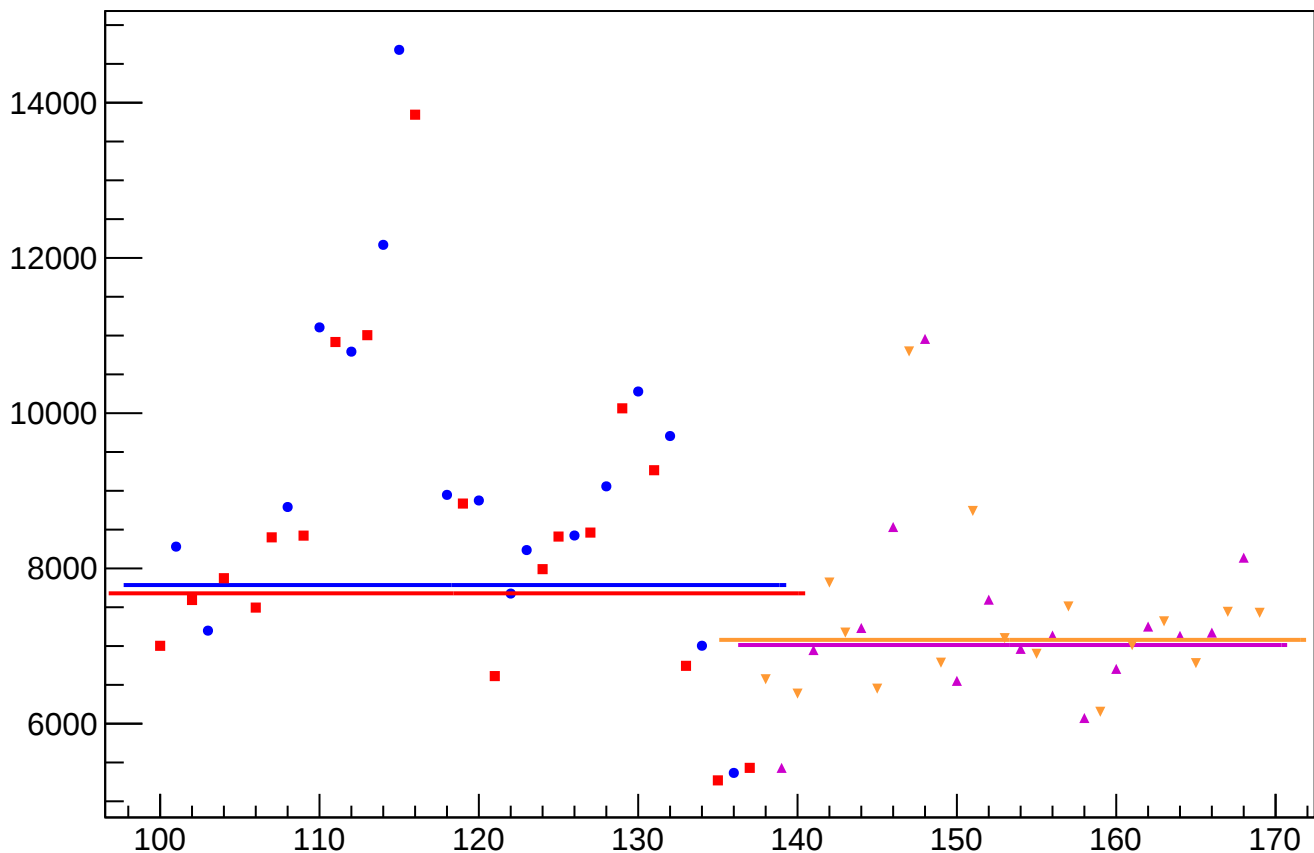
Left In: 2.034 ± 2.077 χ^2/NDF : 26.3/14

+ sign 2.193 ± 1.685 χ^2/NDF : 32.3/33

All: 2.612 ± 1.197 χ^2/NDF : 84.2/67

- sign 3.040 ± 1.701 χ^2/NDF : 51.8/33

diff_bpm4acY_rms vs Slug



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7079.649 $\pm$ 1.419 χ^2 /NDF:342560.8/16

Right Out: 7679.182 $\pm$ 2.095 χ^2 /NDF: 668736.8/18

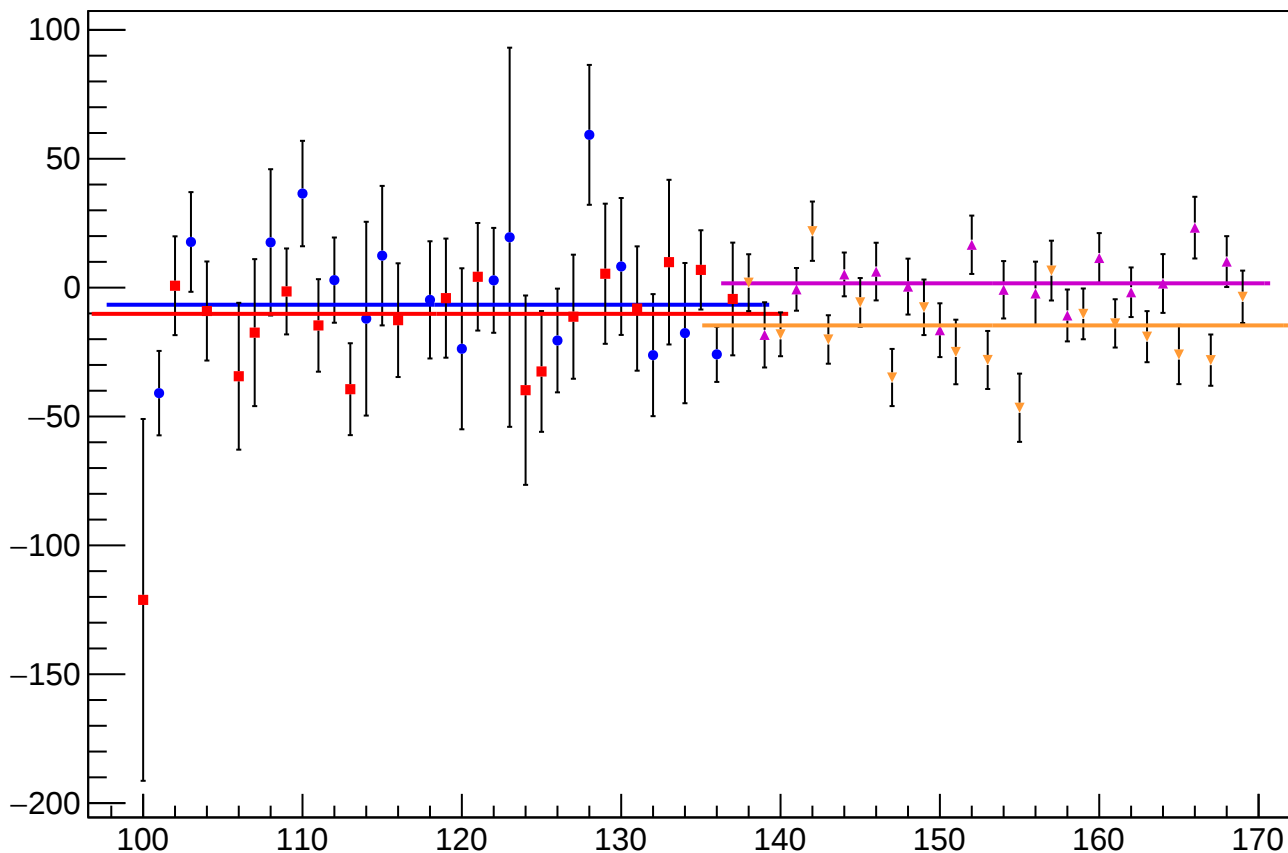
Left In: 7013.373 $\pm$ 1.469 χ^2 /NDF:470310.9/14

+ sign 7287.558 $\pm$ 1.192 χ^2 /NDF: 1153613.1/33

All: 7260.467 $\pm$ 0.847 χ^2 /NDF: 2361433.4/67

- sign 7232.879 $\pm$ 1.203 χ^2 /NDF: 1206777.4/33

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -14.656 ± 2.535 χ^2/NDF : 33.2/16

Right Out: -10.172 ± 5.075 χ^2/NDF : 10.8/18

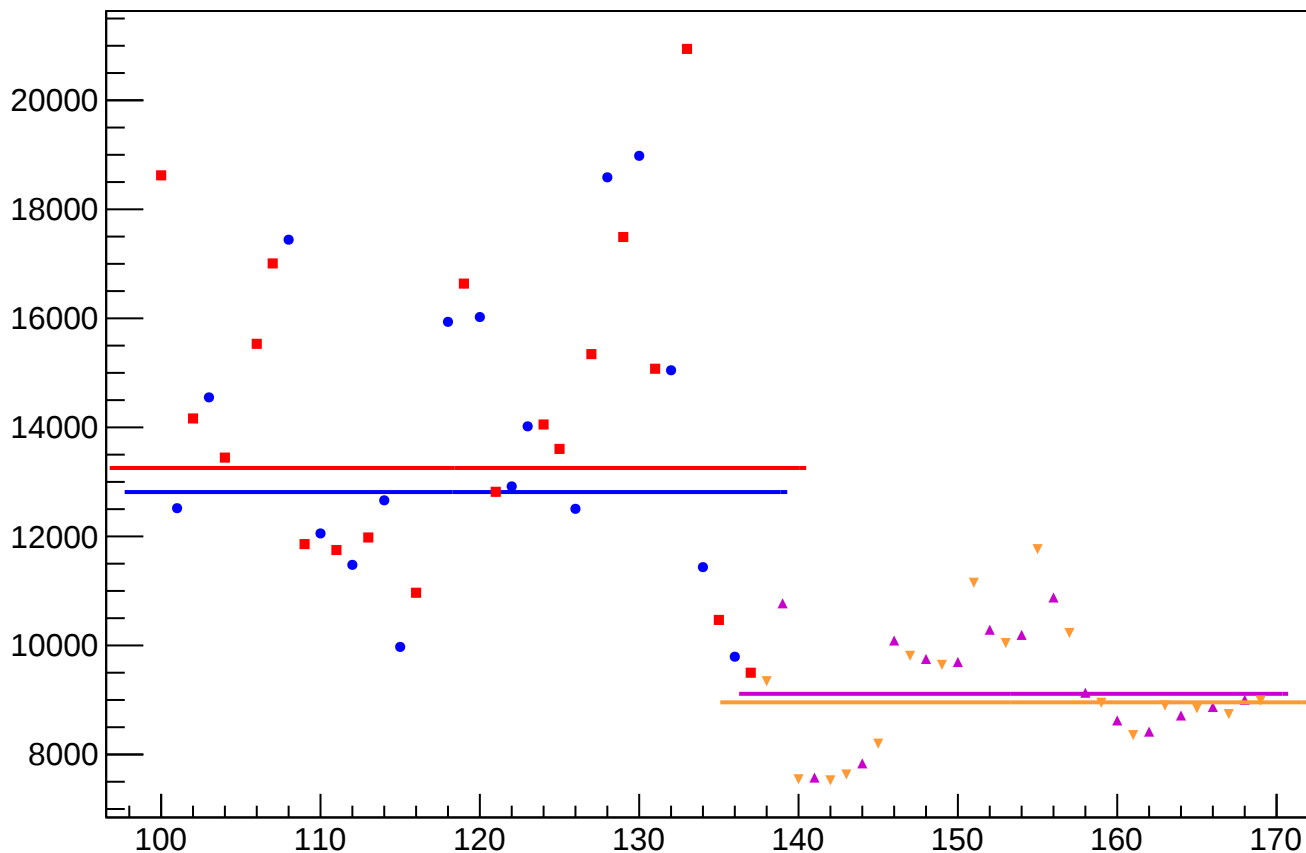
Left In: 1.674 ± 2.681 χ^2/NDF : 14.6/14

+ sign -13.067 ± 2.271 χ^2/NDF : 58.6/33

All: -7.251 ± 1.640 χ^2/NDF : 101.9/67

- sign -0.911 ± 2.371 χ^2/NDF : 29.6/33

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8956.647+/-1.793 χ^2/NDF : 364720.4/16

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

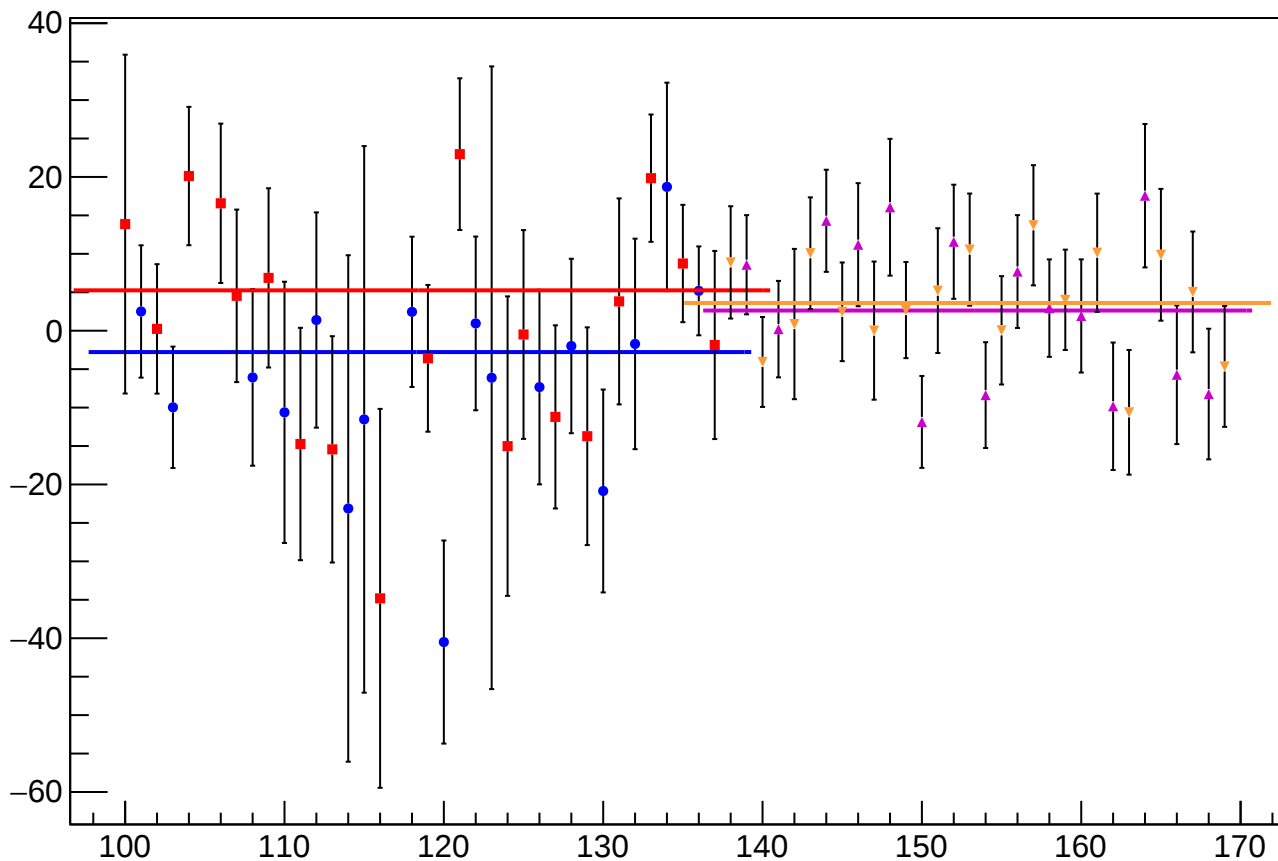
Left In: 9113.014+/-1.896 χ^2/NDF : 277260.1/14

+ sign 9720.720+/-1.605 χ^2/NDF : 1829706.4/33

All: 9862.429+/-1.159 χ^2/NDF : 3649428.2/67

- sign 10016.896+/-1.676 χ^2/NDF : 1803438.8/33

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.608 ± 1.791 χ^2/NDF : 11.7/16

Right Out: 5.252 ± 2.590 χ^2/NDF : 23.5/18

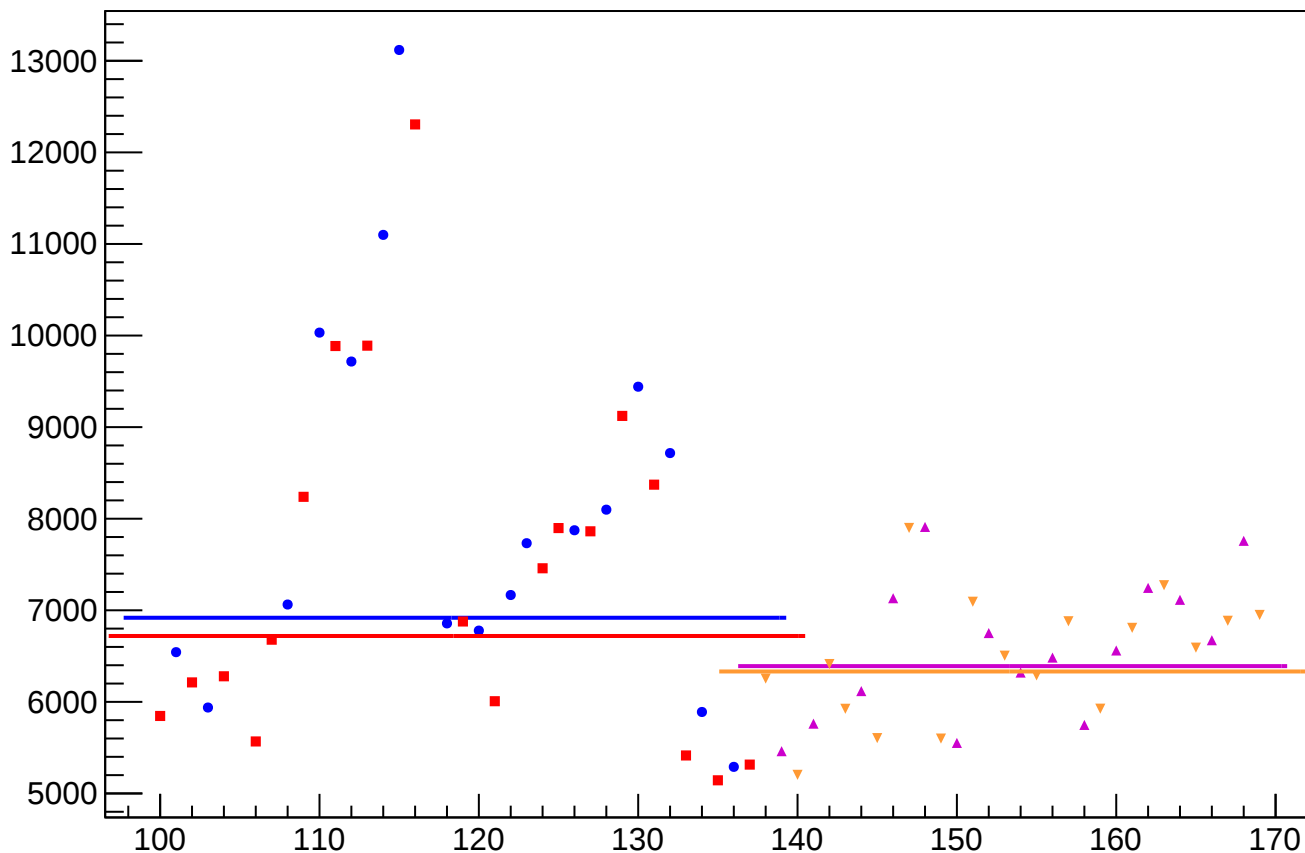
Left In: 2.626 ± 1.884 χ^2/NDF : 25.2/14

+ sign 1.703 ± 1.500 χ^2/NDF : 32.5/33

All: 2.605 ± 1.069 χ^2/NDF : 82.6/67

- sign 3.535 ± 1.523 χ^2/NDF : 49.4/33

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6331.917+/-1.266 χ^2/NDF : 290287.1/16

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

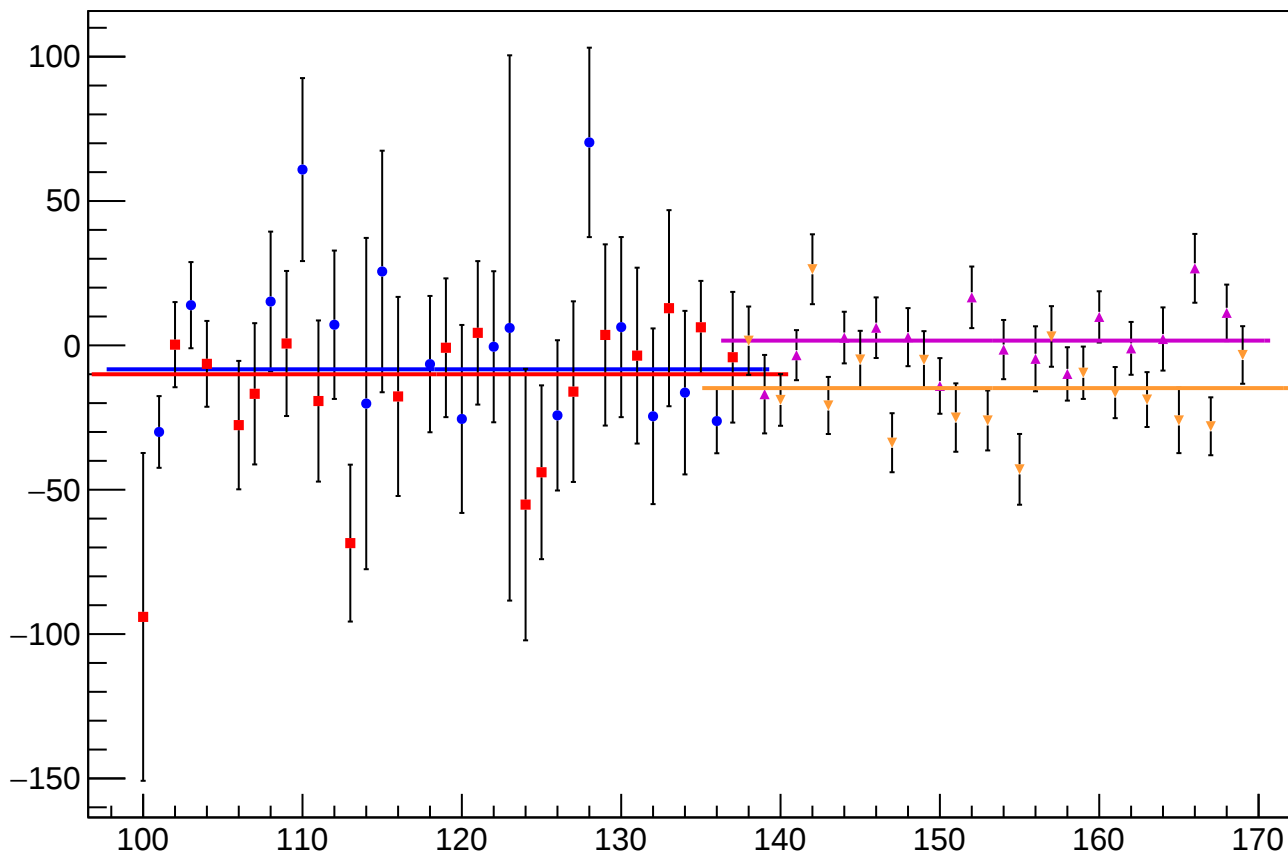
Left In: 6390.457+/-1.332 χ^2/NDF : 293743.1/14

+ sign 6506.904+/-1.061 χ^2/NDF : 942262.0/33

All: 6505.625+/-0.756 χ^2/NDF : 1910941.5/67

- sign 6504.306+/-1.077 χ^2/NDF : 968676.5/33

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -14.801 ± 2.482 χ^2/NDF : 34.1/16

Right Out: -10.007 ± 5.513 χ^2/NDF : 12.9/18

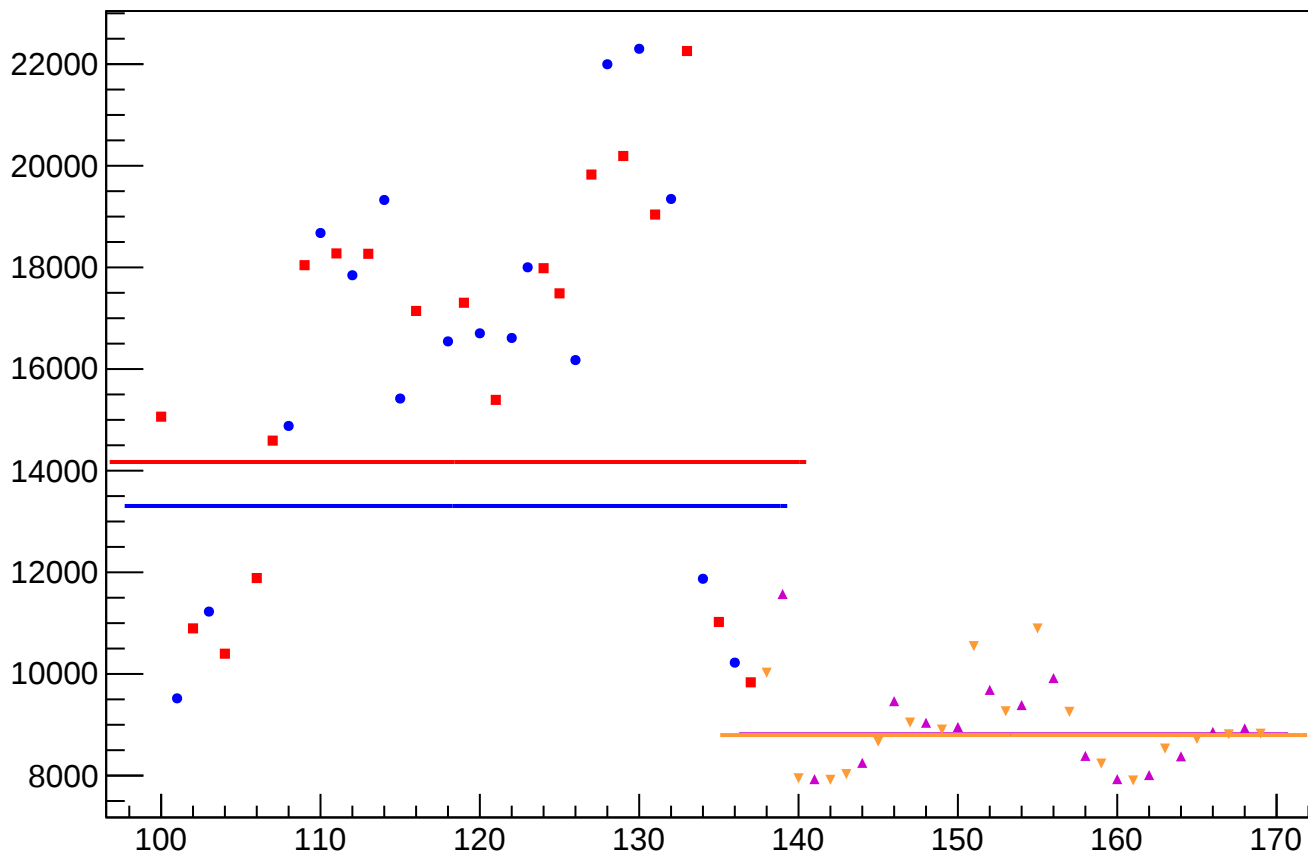
Left In: 1.651 ± 2.588 χ^2/NDF : 15.3/14

+ sign -13.669 ± 2.256 χ^2/NDF : 57.0/33

All: -7.312 ± 1.625 χ^2/NDF : 105.4/67

- sign -0.454 ± 2.343 χ^2/NDF : 31.9/33

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8797.255+/-1.755 χ^2/NDF : 203681.1/16

Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

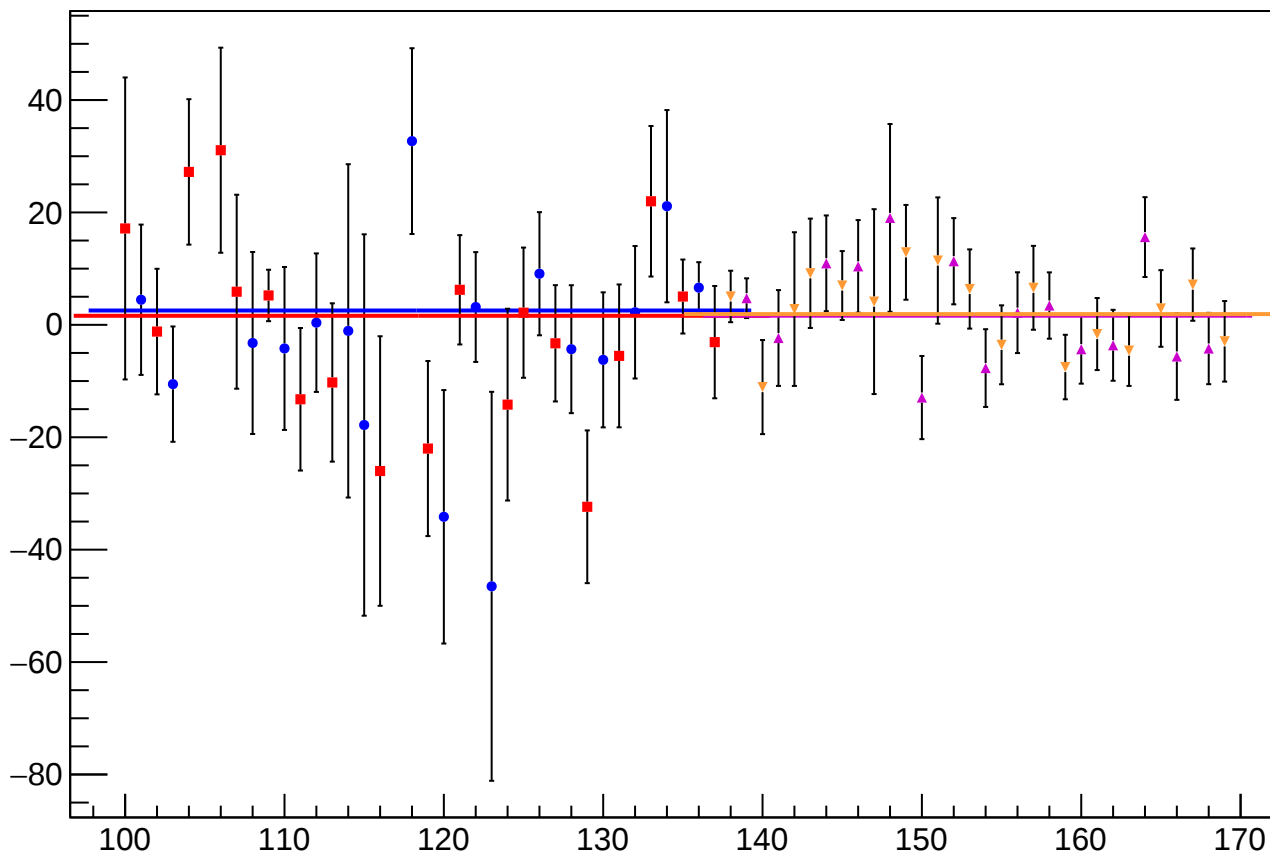
Left In: 8812.847+/-1.830 χ^2/NDF : 202148.1/14

+ sign 9580.933+/-1.595 χ^2/NDF : 2395073.6/33

All: 9676.891+/-1.149 χ^2/NDF : 5083169.8/67

- sign 9780.407+/-1.657 χ^2/NDF : 2680572.4/33

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 1.911 ± 1.731 χ^2/NDF : 13.2/16

Right Out: 1.613 ± 2.442 χ^2/NDF : 24.0/18

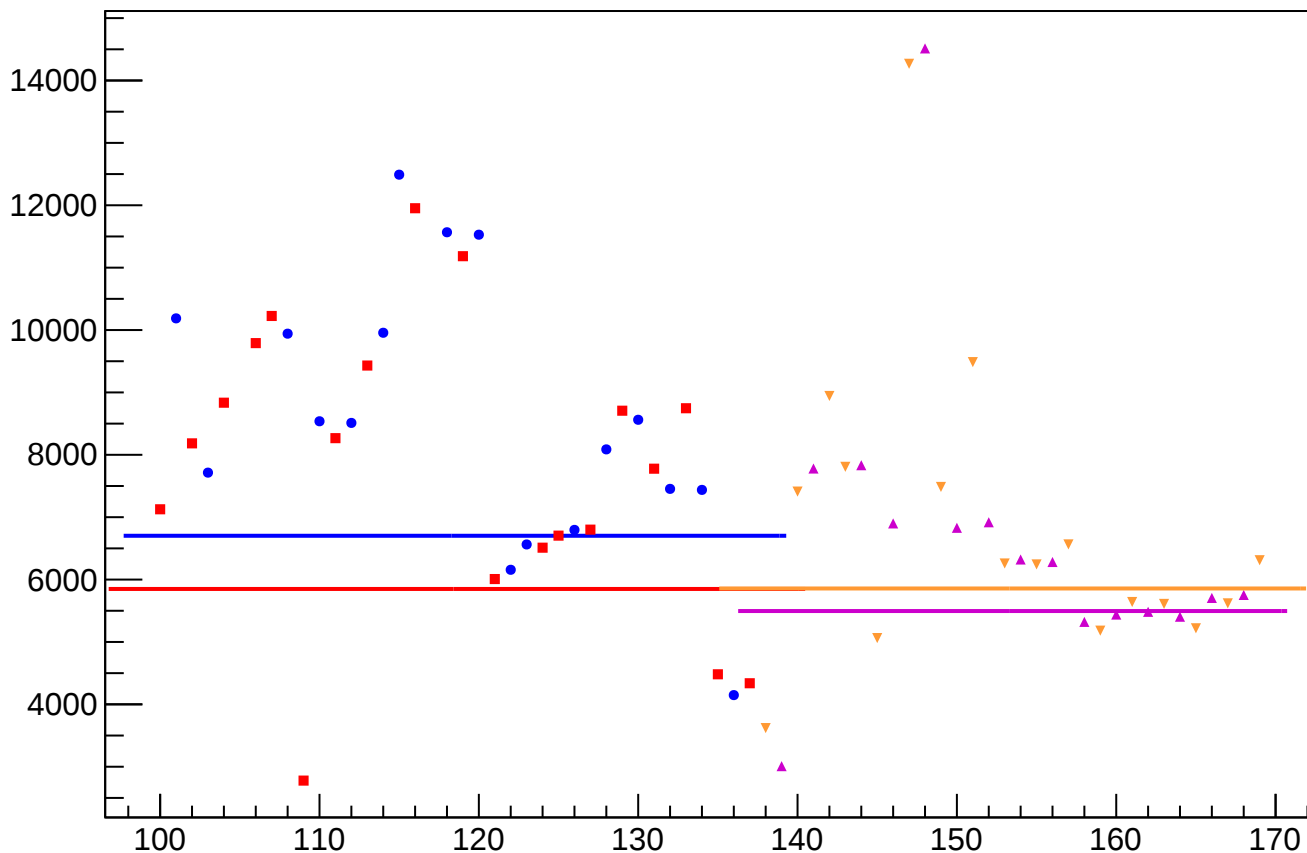
Left In: 1.628 ± 1.707 χ^2/NDF : 19.0/14

+ sign 2.092 ± 1.466 χ^2/NDF : 26.8/33

All: 1.847 ± 1.012 χ^2/NDF : 69.9/67

- sign 1.623 ± 1.399 χ^2/NDF : 43.0/33

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5857.261+/-1.224 χ^2/NDF : 1660317.0/16

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

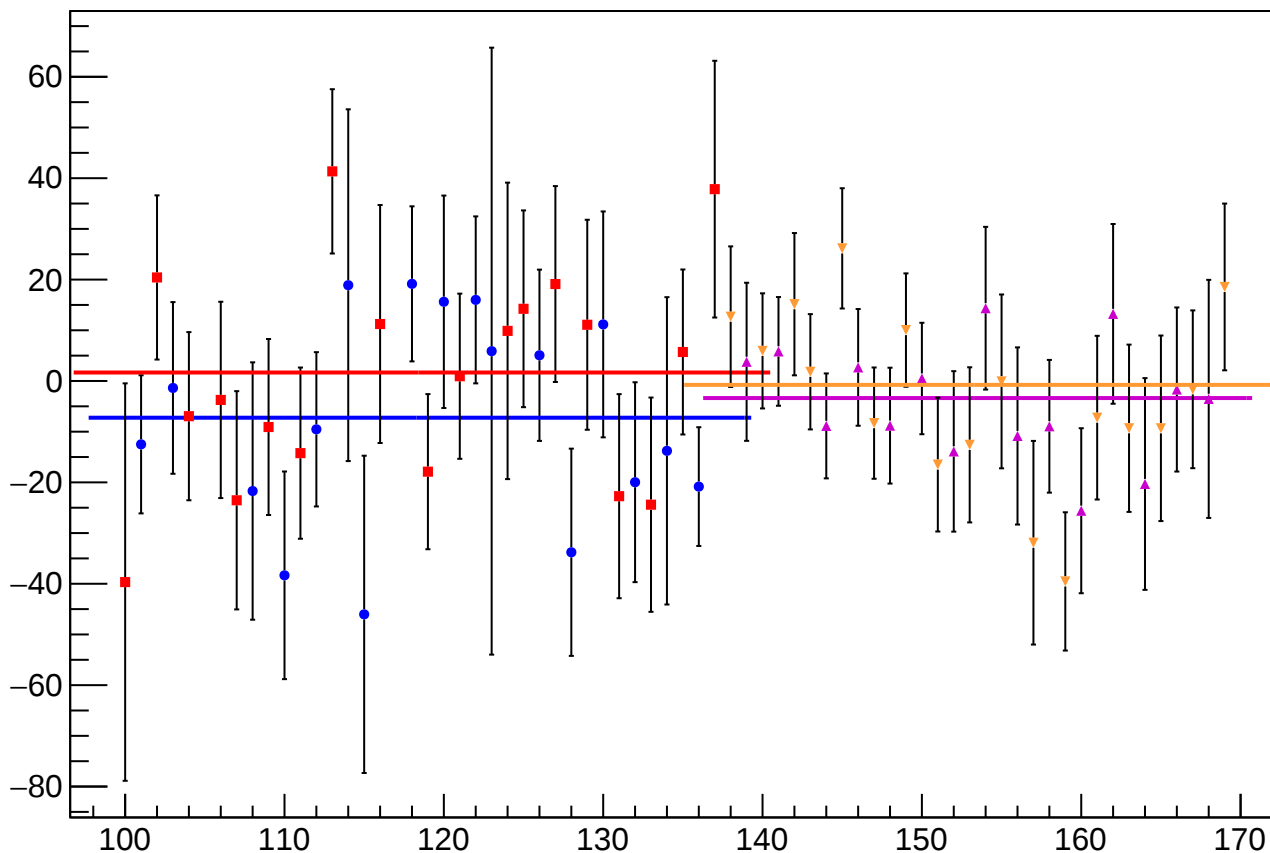
Left In: 5495.686+/-1.207 χ^2/NDF : 2118561.4/14

+ sign 6096.191+/-1.037 χ^2/NDF : 3185039.8/33

All: 5842.659+/-0.716 χ^2/NDF : 7724583.5/67

- sign 5611.794+/-0.989 χ^2/NDF : 4425246.7/33

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: -0.768 ± 3.356 χ^2/NDF : 23.7/16

Right Out: 1.671 ± 4.373 χ^2/NDF : 19.9/18

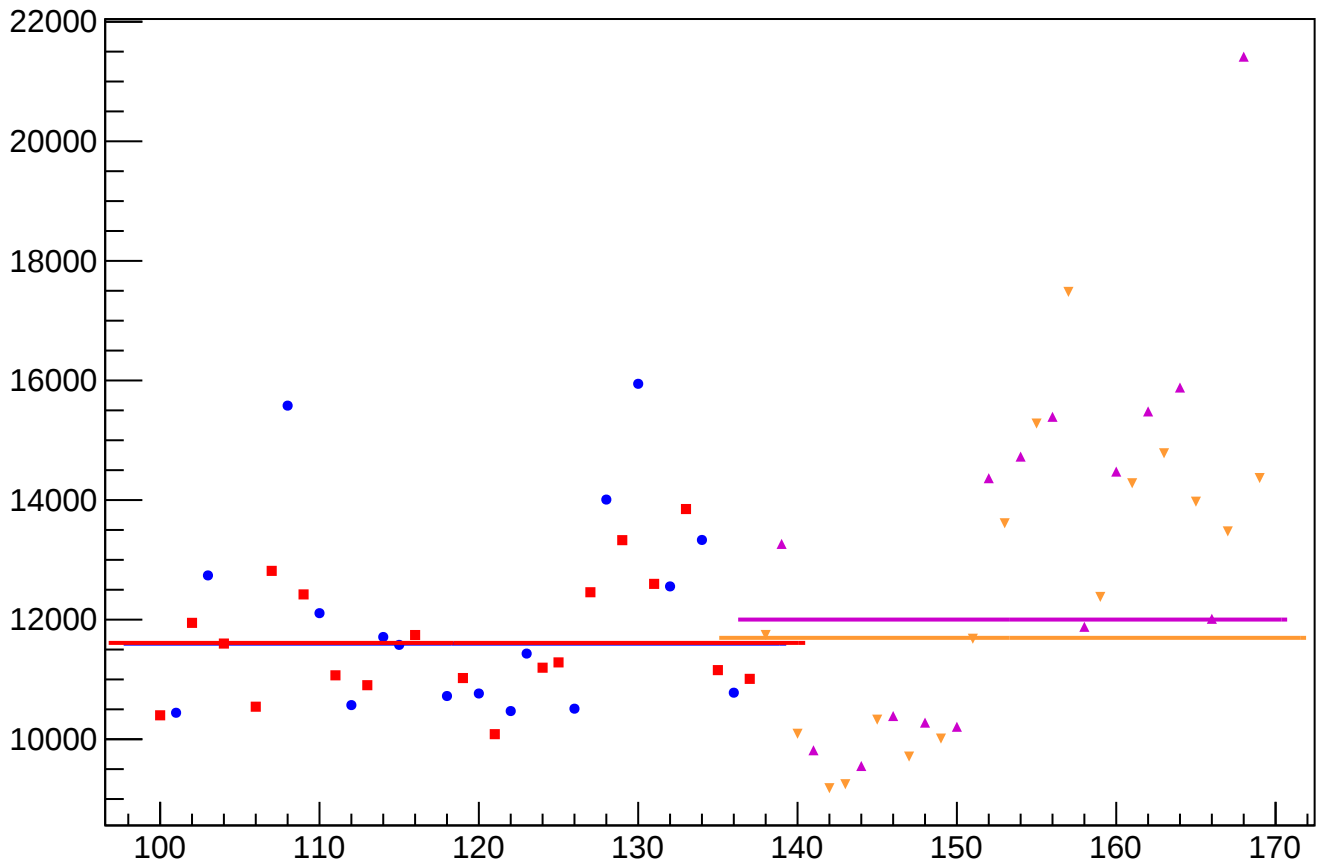
Left In: -3.366 ± 3.592 χ^2/NDF : 7.3/14

+ sign -3.053 ± 2.700 χ^2/NDF : 41.0/33

All: -2.219 ± 1.936 χ^2/NDF : 69.1/67

- sign -1.337 ± 2.776 χ^2/NDF : 27.9/33

diff_bpm11X_rms vs Slug



Right In: 11598.751 ± 3.215 χ^2/NDF : 235423.8/16

Left Out: 11695.629 ± 2.373 χ^2/NDF : 855348.5/16

Right Out: 11610.941 ± 3.092 χ^2/NDF : 94447.0/18

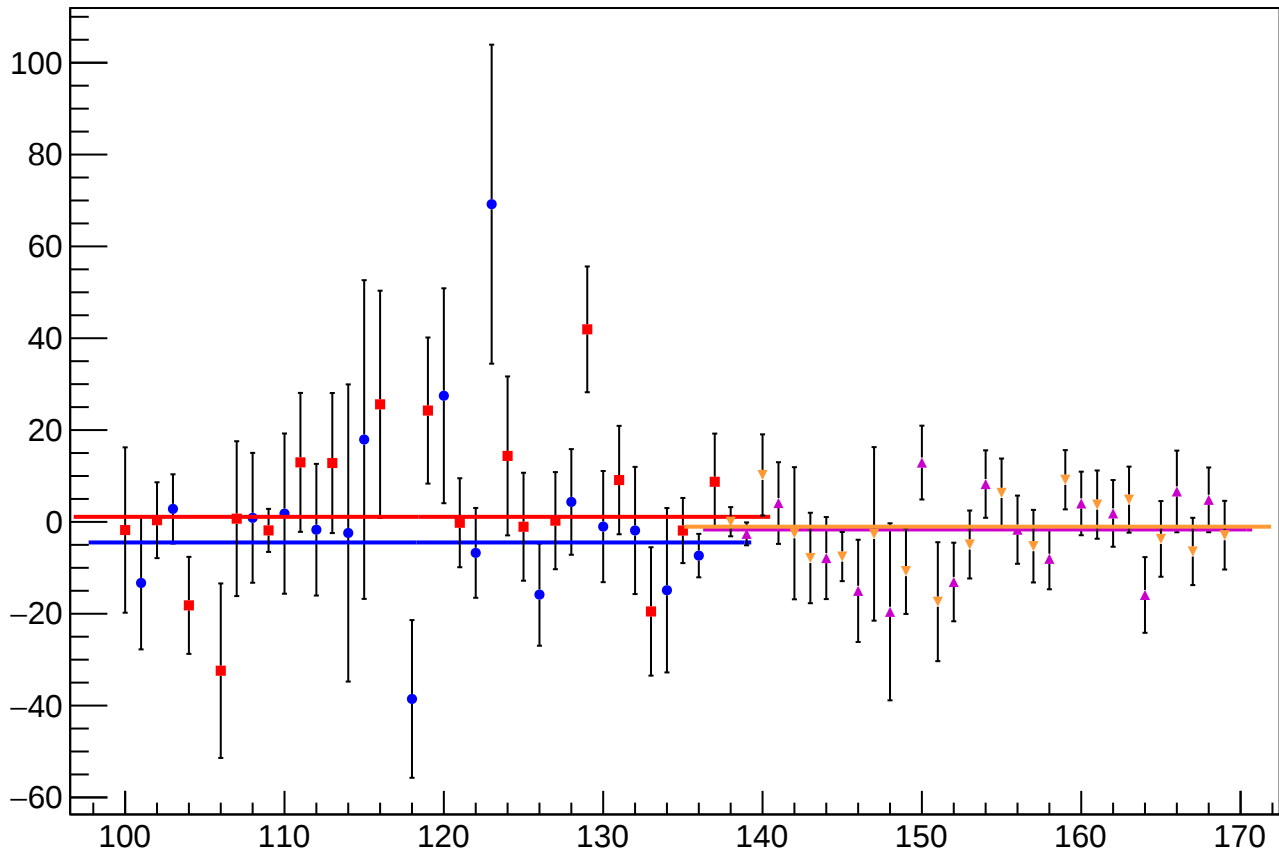
Left In: 12001.126 ± 2.540 χ^2/NDF : 1037973.3/14

+ sign 11661.461 ± 1.909 χ^2/NDF : 1091360.0/33

All: 11750.182 ± 1.369 χ^2/NDF : 2237727.9/6

- sign 11843.925 ± 1.963 χ^2/NDF : 1141927.7/33

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -1.038 ± 1.698 χ^2/NDF : 12.2/16

Right Out: 1.105 ± 2.429 χ^2/NDF : 24.0/18

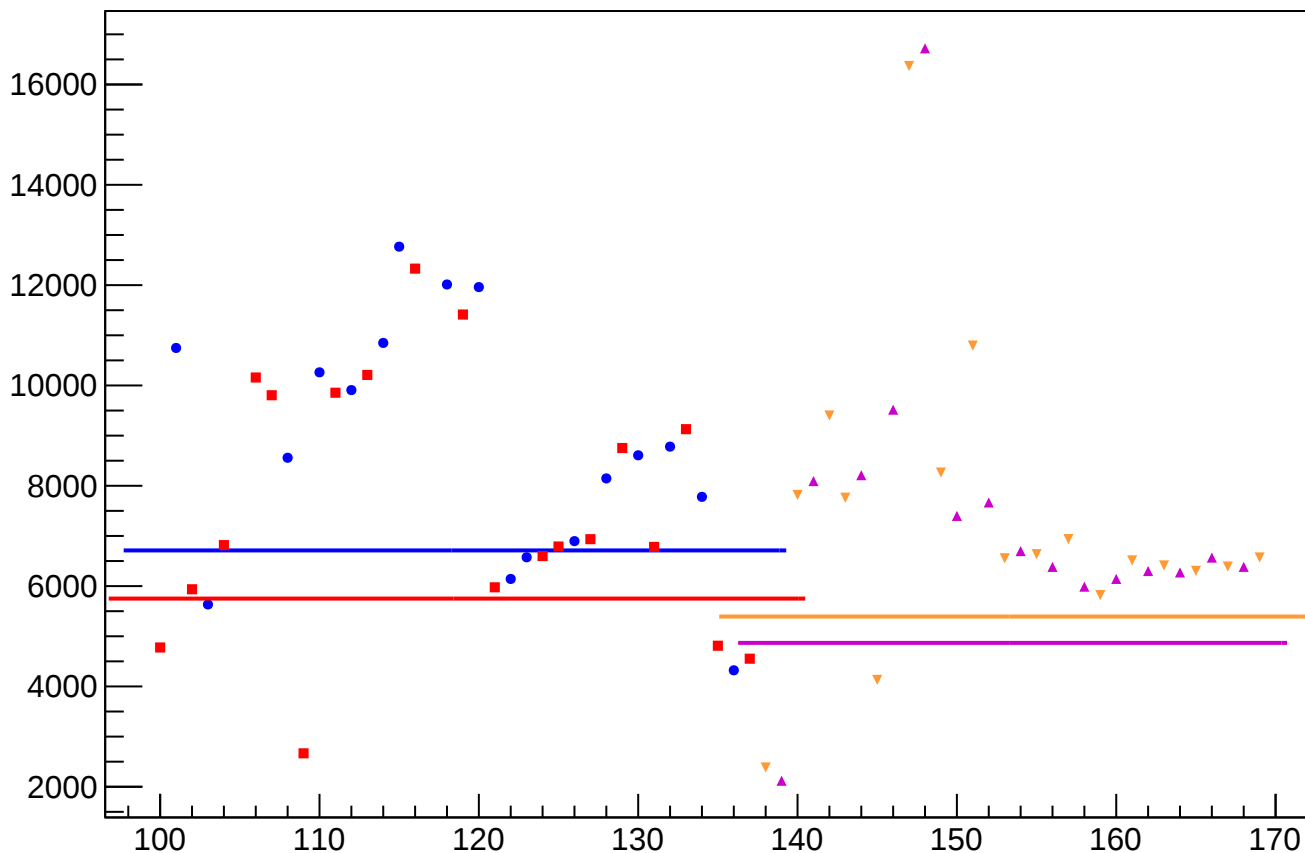
Left In: -1.646 ± 1.638 χ^2/NDF : 16.8/14

+ sign -1.971 ± 1.449 χ^2/NDF : 28.2/33

All: -1.340 ± 0.991 χ^2/NDF : 70.2/67

- sign -0.787 ± 1.358 χ^2/NDF : 41.7/33

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5393.640+/-1.201 χ^2/NDF : 3923291.6/16

Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

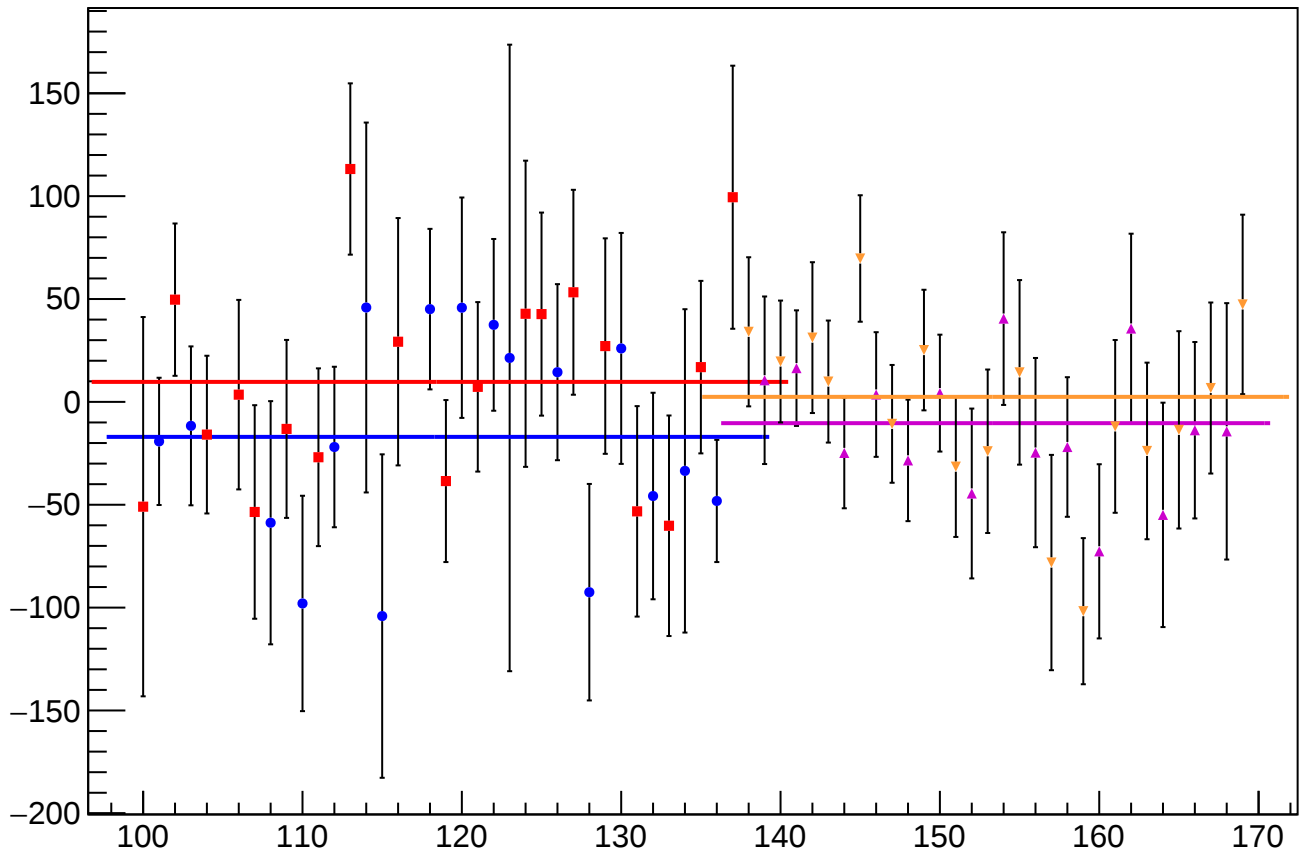
Left In: 4868.156+/-1.158 χ^2/NDF : 5127510.4/14

+ sign 5751.337+/-1.025 χ^2/NDF : 5697352.0/33

All: 5428.036+/-0.701 χ^2/NDF : 13358753.4/6

- sign 5144.206+/-0.960 χ^2/NDF : 7474474.3/33

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 2.443 ± 8.764 χ^2/NDF : 21.5/16

Right Out: 9.719 ± 10.891 χ^2/NDF : 19.1/18

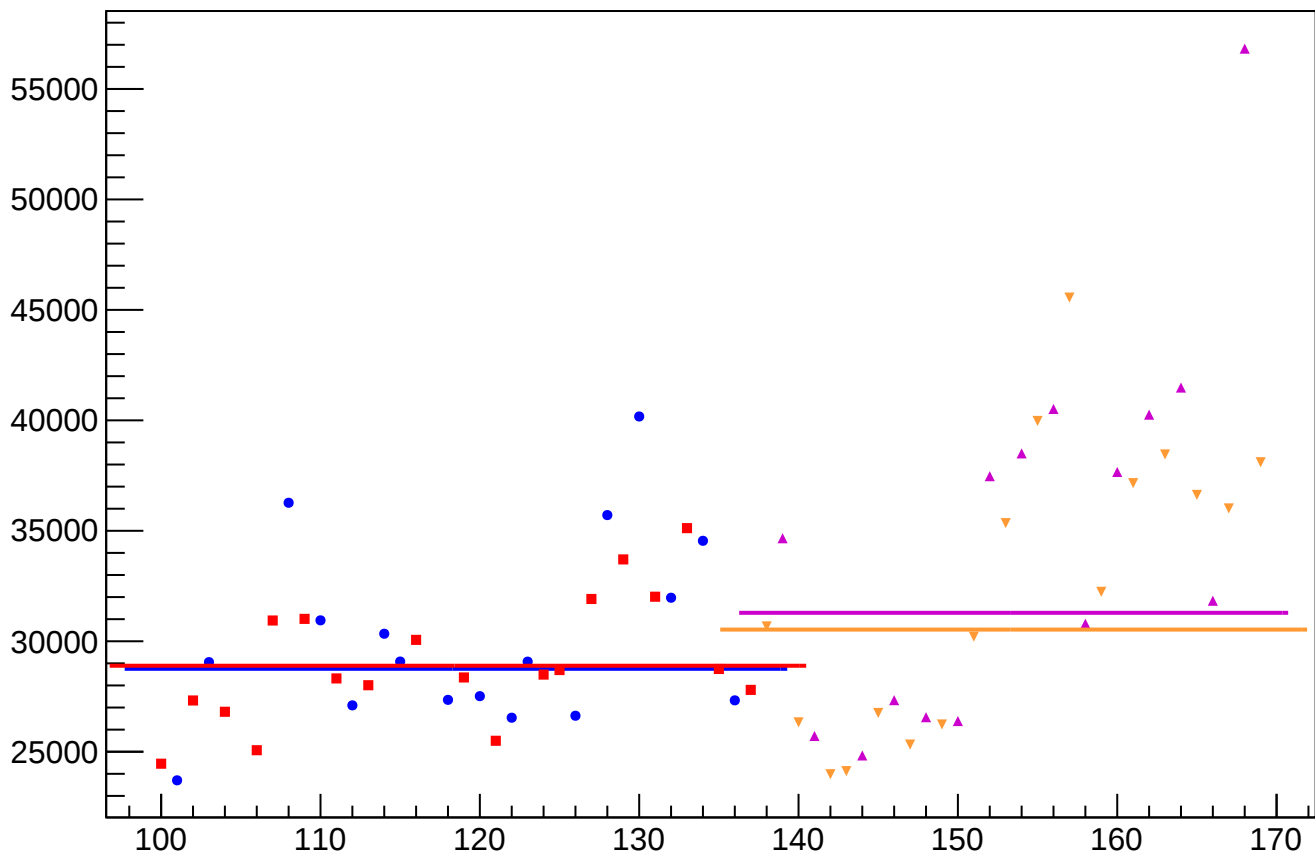
Left In: -10.345 ± 9.370 χ^2/NDF : 8.5/14

+ sign -4.875 ± 6.923 χ^2/NDF : 38.4/33

All: -3.382 ± 4.958 χ^2/NDF : 68.0/67

- sign -1.810 ± 7.103 χ^2/NDF : 29.5/33

diff_bpm12X_rms vs Slug



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 30529.211+/-6.197 χ^2/NDF : 869835.2/16

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

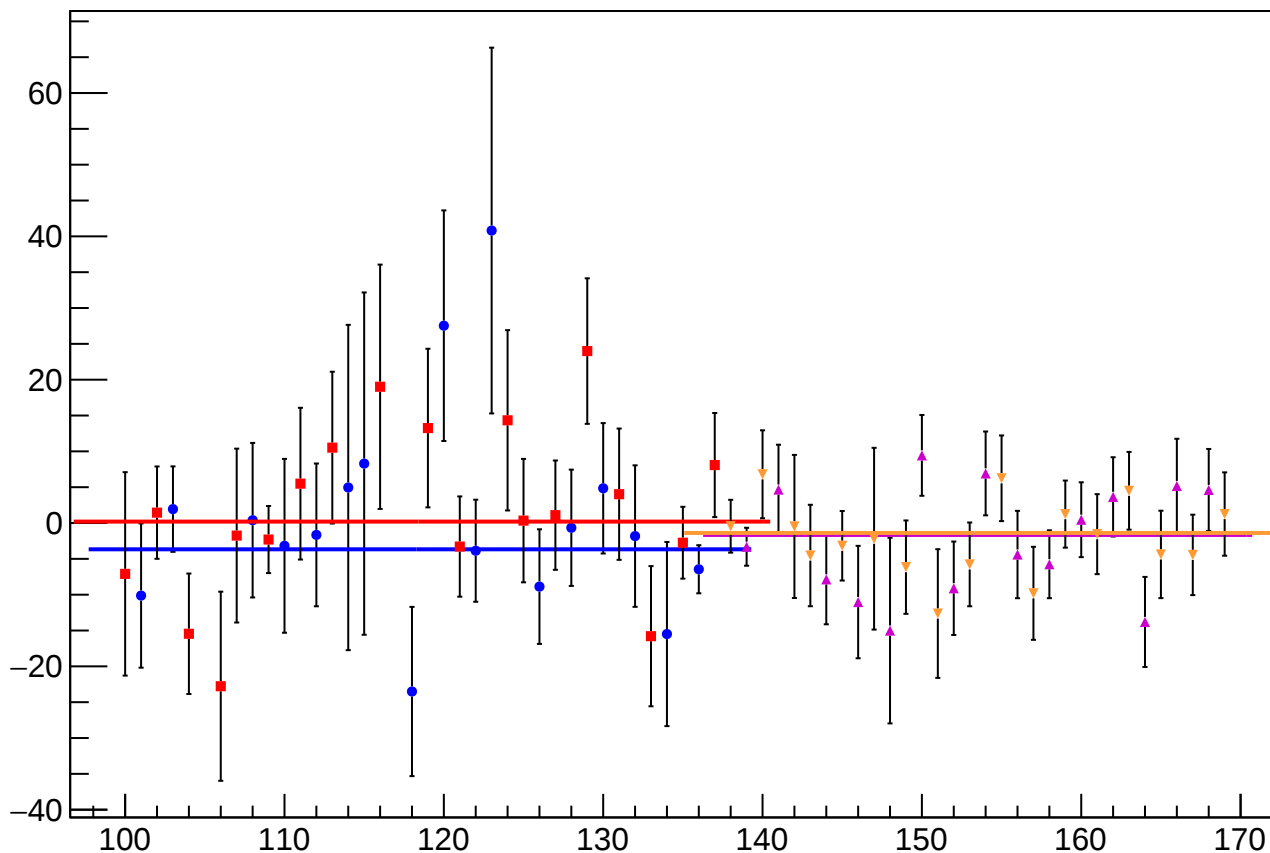
Left In: 31288.001+/-6.626 χ^2/NDF : 1064622.1/14

+ sign 29861.377+/-4.895 χ^2/NDF : 1149921.0/33

All: 30059.868+/-3.506 χ^2/NDF : 2384777.6/66

- sign 30268.846+/-5.023 χ^2/NDF : 1231481.1/33

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.386 ± 1.420 χ^2/NDF : 10.4/16

Right Out: 0.199 ± 1.893 χ^2/NDF : 22.3/18

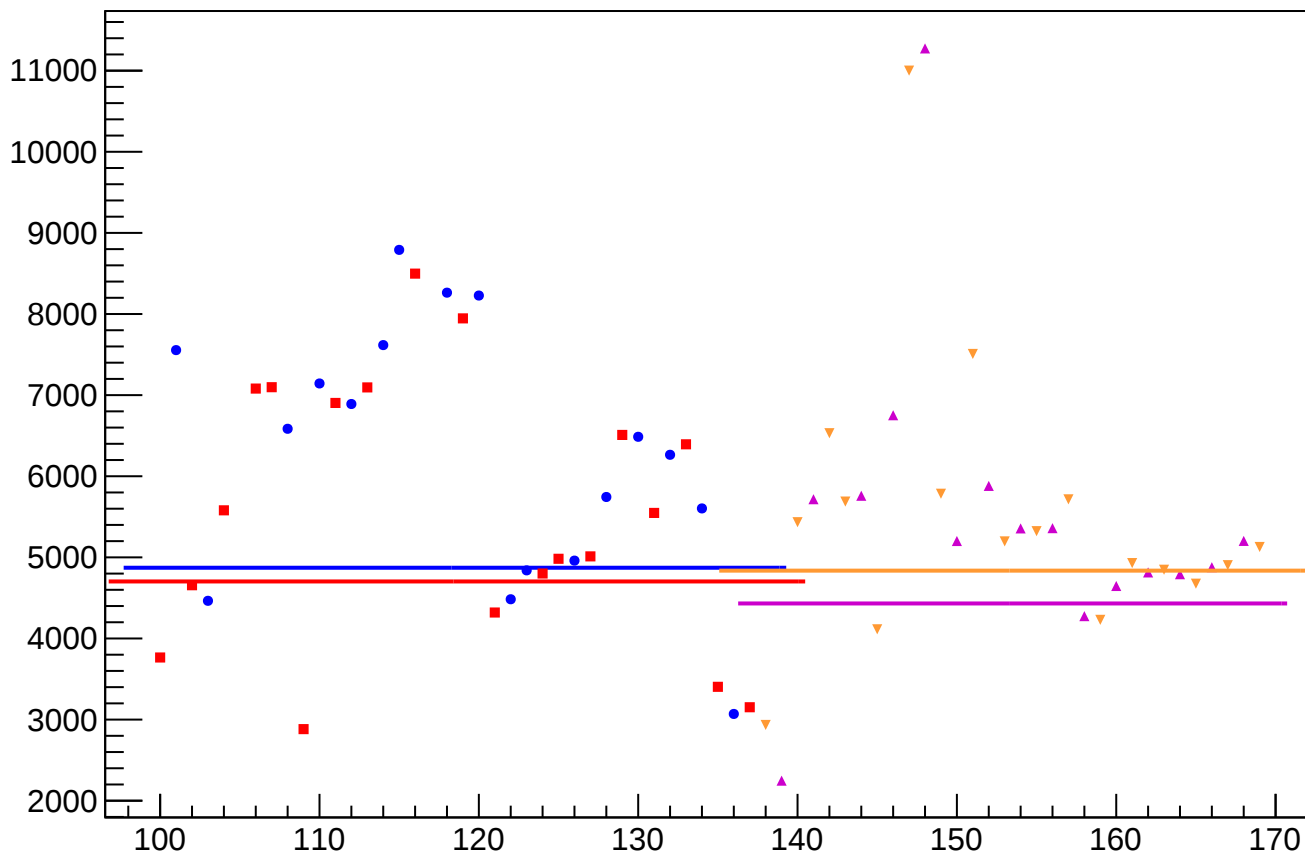
Left In: -1.665 ± 1.387 χ^2/NDF : 20.3/14

+ sign -2.146 ± 1.160 χ^2/NDF : 25.8/33

All: -1.559 ± 0.805 χ^2/NDF : 69.5/67

- sign -1.014 ± 1.119 χ^2/NDF : 43.2/33

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4836.344+/-1.004 χ^2/NDF : 1473611.4/16

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

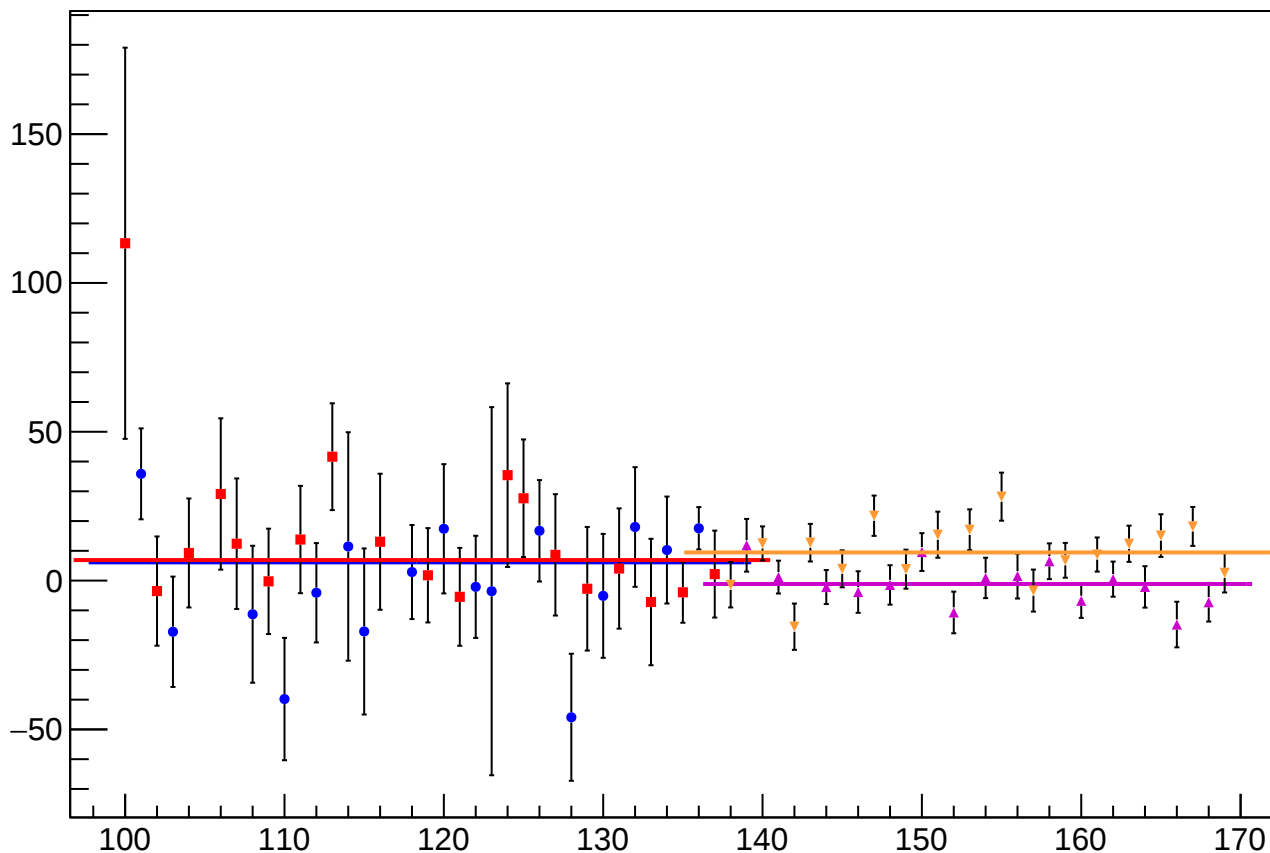
Left In: 4431.681+/-0.981 χ^2/NDF : 2569869.6/14

+ sign 4848.251+/-0.820 χ^2/NDF : 2879286.9/33

All: 4681.549+/-0.569 χ^2/NDF : 6868393.6/67

- sign 4526.452+/-0.791 χ^2/NDF : 3909332.6/33

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 9.460 ± 1.609 χ^2/NDF : 32.2/16

Right Out: 6.892 ± 4.224 χ^2/NDF : 12.5/18

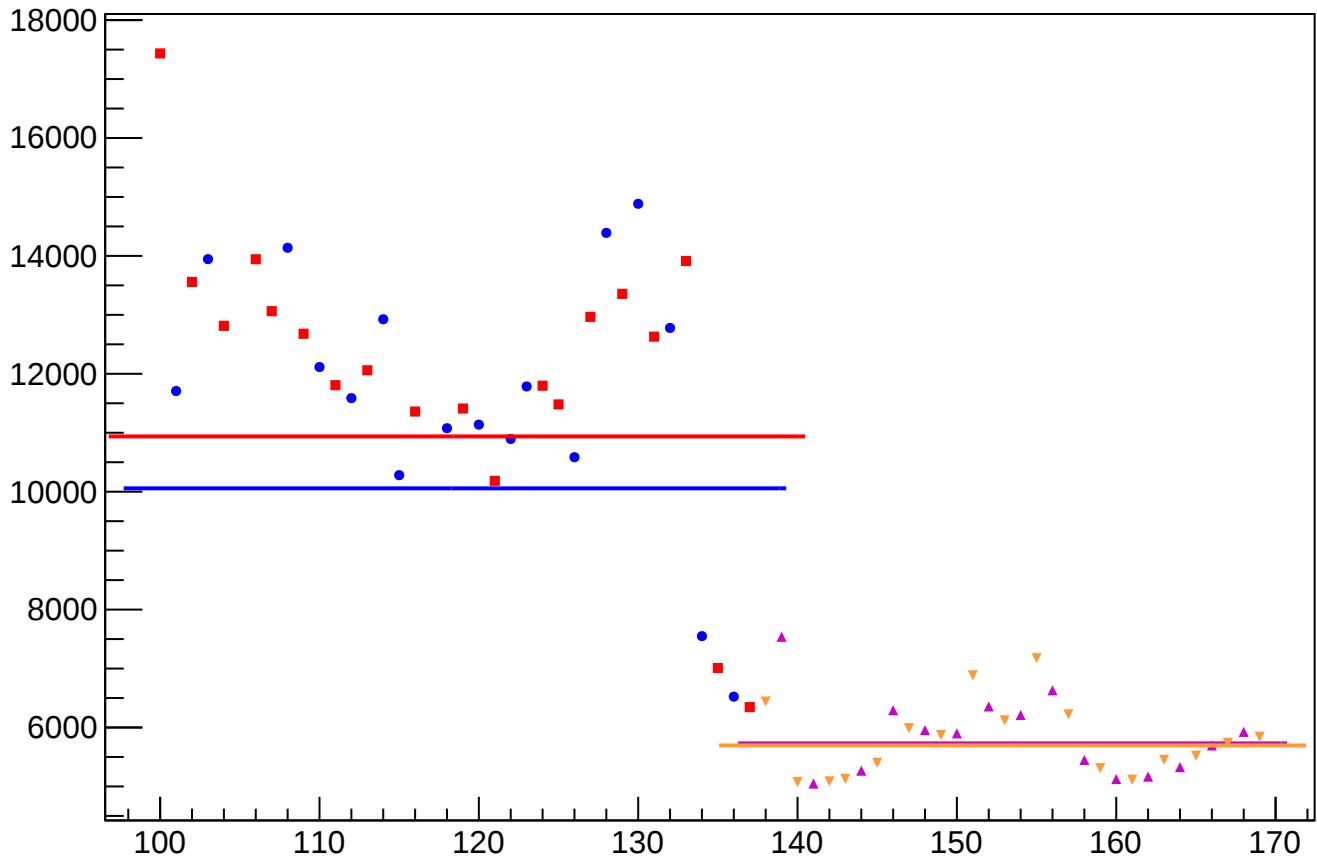
Left In: -1.143 ± 1.685 χ^2/NDF : 14.2/14

+ sign 9.012 ± 1.497 χ^2/NDF : 55.0/33

All: 4.687 ± 1.082 χ^2/NDF : 102.2/67

- sign -0.041 ± 1.565 χ^2/NDF : 29.8/33

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5695.663 $\pm$ 1.137 χ^2 /NDF:248976.8/16

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

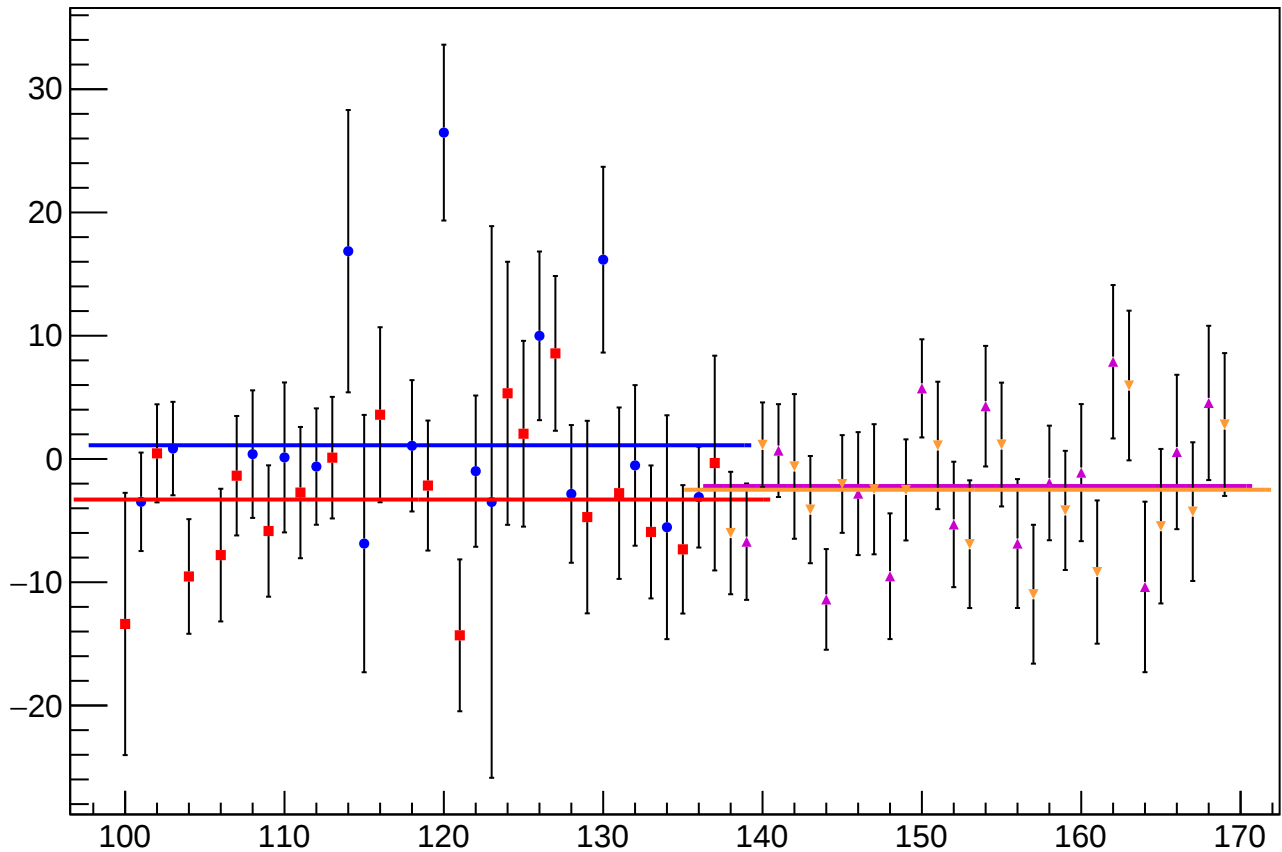
Left In: 5730.314 $\pm$ 1.191 χ^2 /NDF:252157.9/14

+ sign 6282.373 $\pm$ 1.058 χ^2 /NDF: 3229544.7/33

All: 6359.960 $\pm$ 0.765 χ^2 /NDF: 6877814.5/67

- sign 6444.786 $\pm$ 1.106 χ^2 /NDF: 3637016.6/33

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.496 ± 1.197 χ^2/NDF : 10.4/16

Right Out: -3.290 ± 1.334 χ^2/NDF : 15.1/18

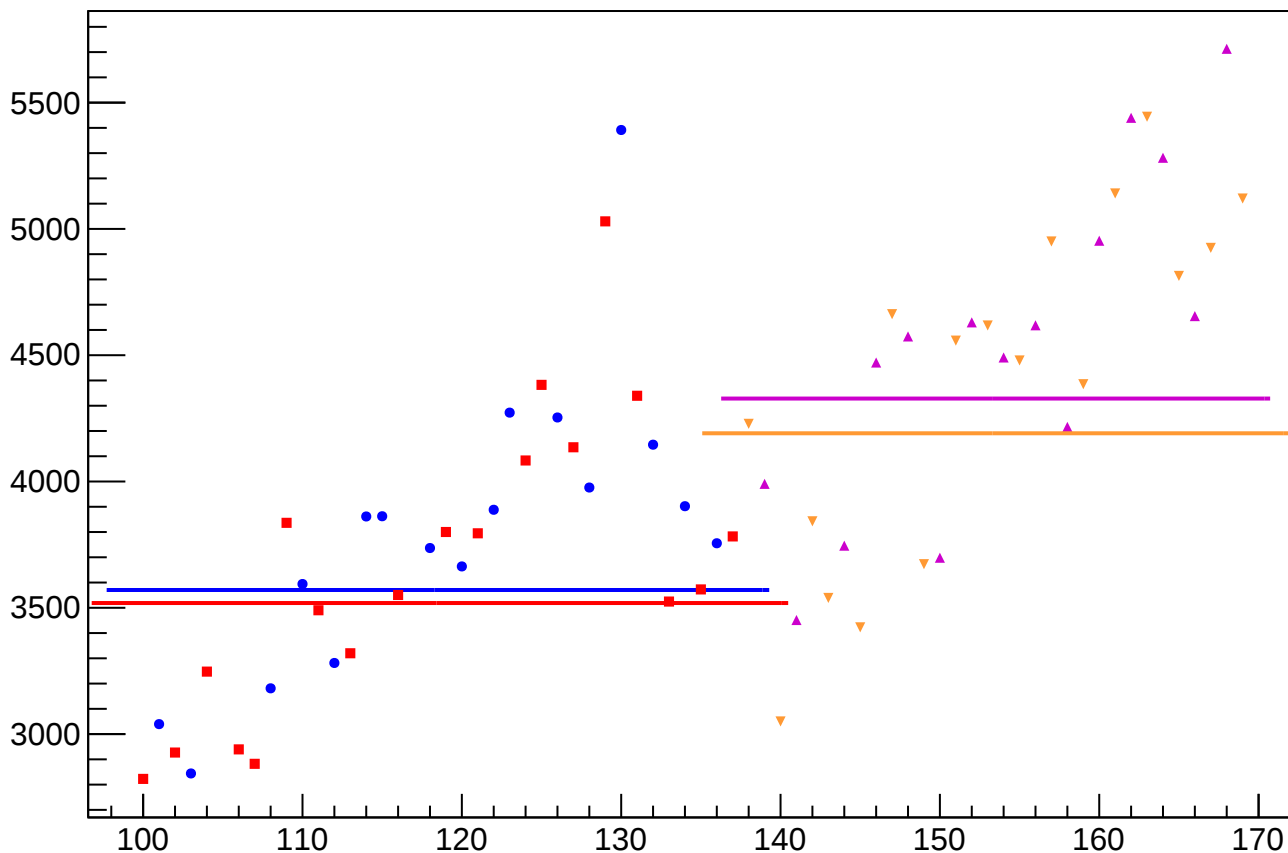
Left In: -2.194 ± 1.280 χ^2/NDF : 20.9/14

+ sign -0.976 ± 0.911 χ^2/NDF : 38.9/33

All: -1.836 ± 0.648 χ^2/NDF : 77.0/67

- sign -2.720 ± 0.924 χ^2/NDF : 36.4/33

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4190.917+/-0.846 χ^2/NDF : 708483.2/16

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

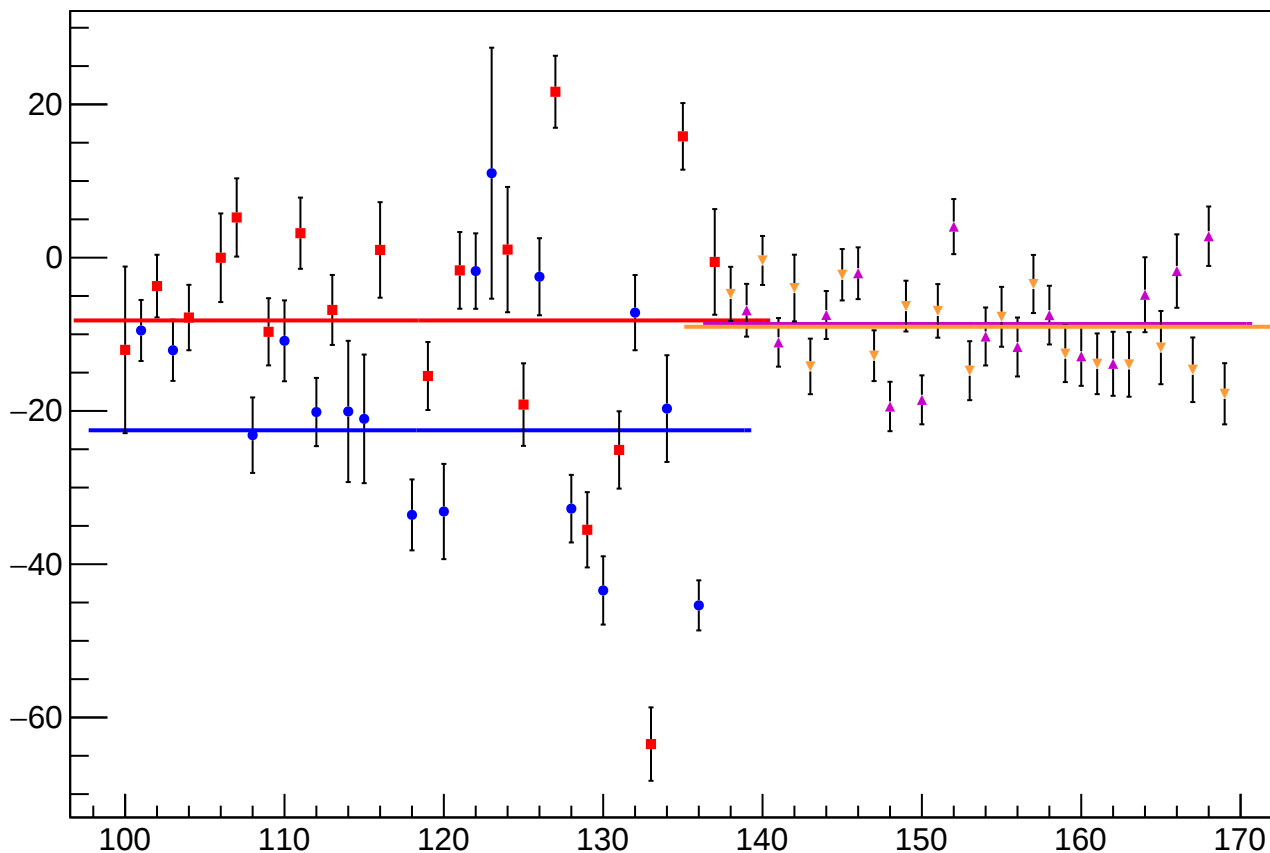
Left In: 4328.403+/-0.905 χ^2/NDF : 462482.4/14

+ sign 3929.518+/-0.644 χ^2/NDF : 1244572.8/33

All: 3934.789+/-0.458 χ^2/NDF : 2384128.4/67

- sign 3940.210+/-0.653 χ^2/NDF : 1139419.6/33

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -9.016 ± 0.906 χ^2/NDF : 33.7/16

Right Out: -8.192 ± 1.157 χ^2/NDF : 275.8/18

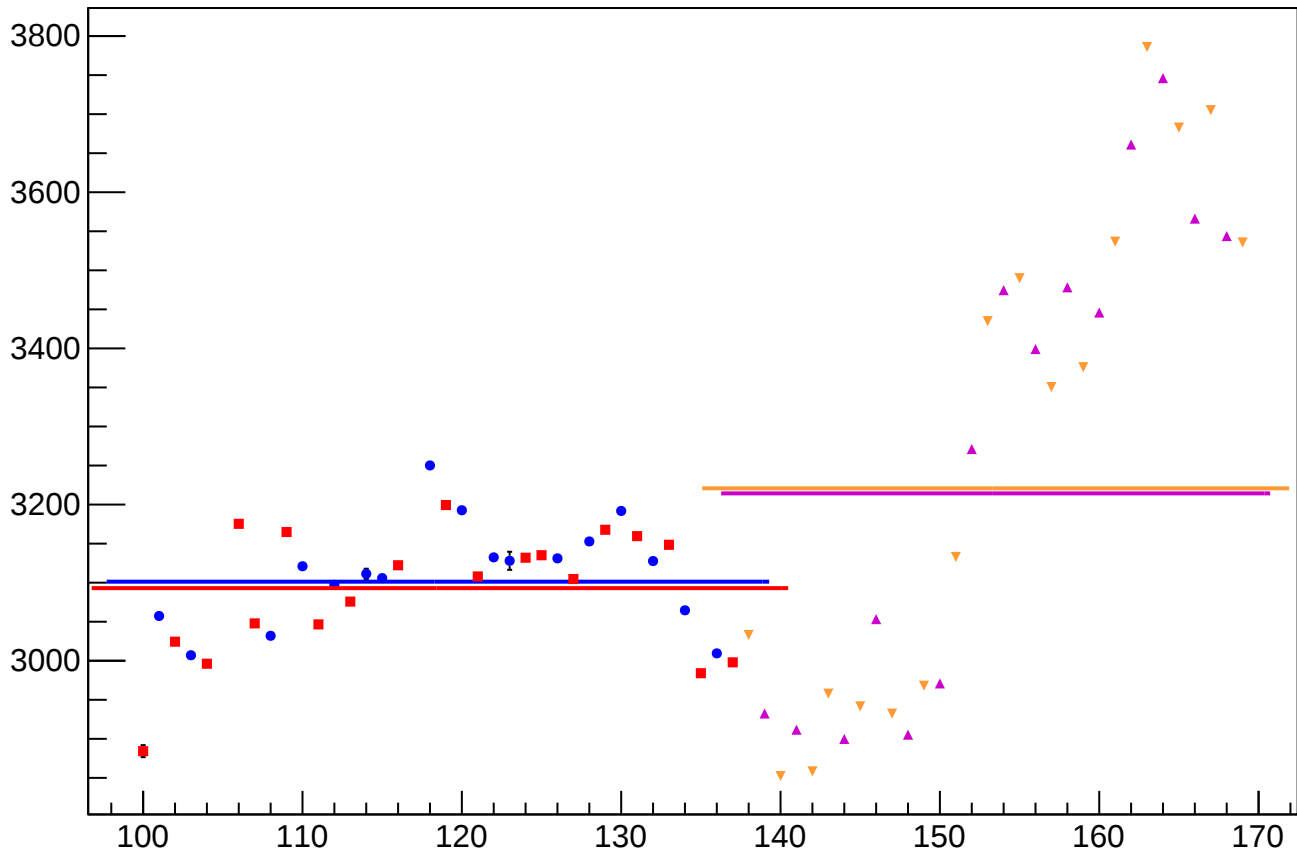
Left In: -8.660 ± 0.942 χ^2/NDF : 53.1/14

+ sign -13.920 ± 0.723 χ^2/NDF : 269.9/33

All: -11.223 ± 0.514 χ^2/NDF : 627.0/67

- sign -8.473 ± 0.730 χ^2/NDF : 329.0/33

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2 /NDF: 7233.8/16

Left Out: 3220.818+/-0.641 χ^2 /NDF:226252.1/16

Right Out: 3092.993+/-0.818 χ^2 /NDF: 7766.0/18

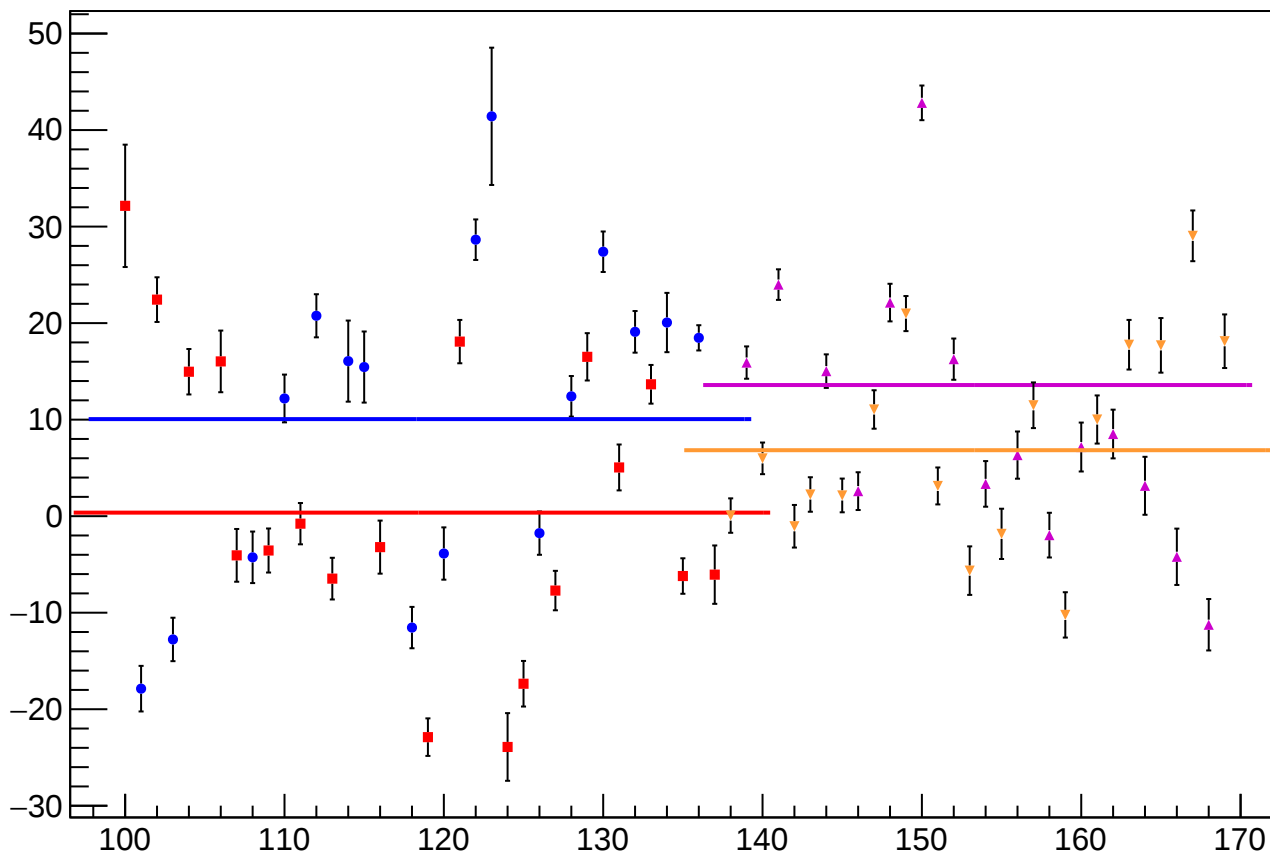
Left In: 3214.360+/-0.666 χ^2 /NDF:189394.4/14

+ sign 3177.423+/-0.511 χ^2 /NDF: 246118.8/33

All: 3171.759+/-0.363 χ^2 /NDF: 456764.3/67

- sign 3165.982+/-0.516 χ^2 /NDF: 210397.8/33

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 6.834 ± 0.517 χ^2/NDF : 324.9/16

Right Out: 0.367 ± 0.547 χ^2/NDF : 629.8/18

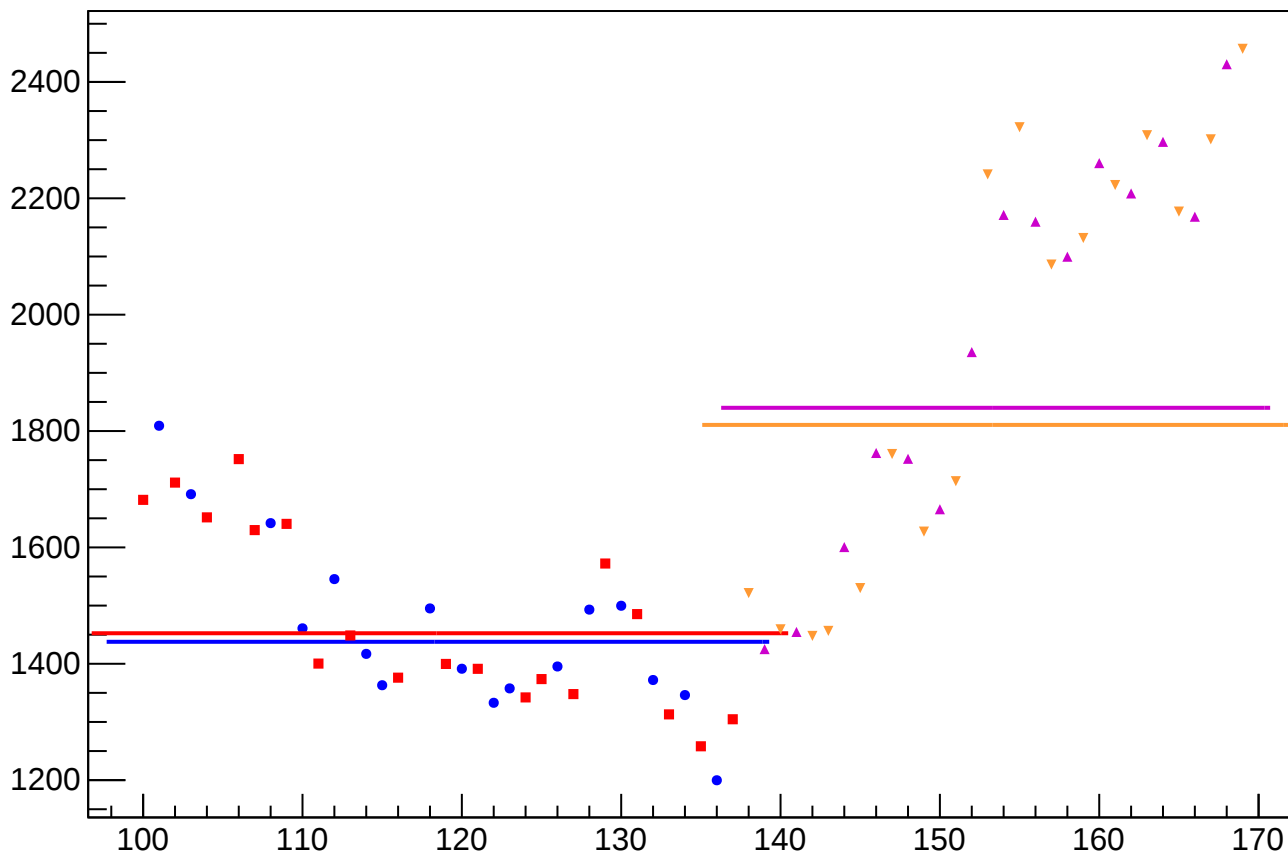
Left In: 13.586 ± 0.546 χ^2/NDF : 582.5/14

+ sign 8.312 ± 0.380 χ^2/NDF : 1034.9/33

All: 7.661 ± 0.271 χ^2/NDF : 2545.7/67

- sign 6.989 ± 0.386 χ^2/NDF : 1504.9/33

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1810.543 $\pm$ 0.366 χ^2 /NDF: 897055.8/16

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

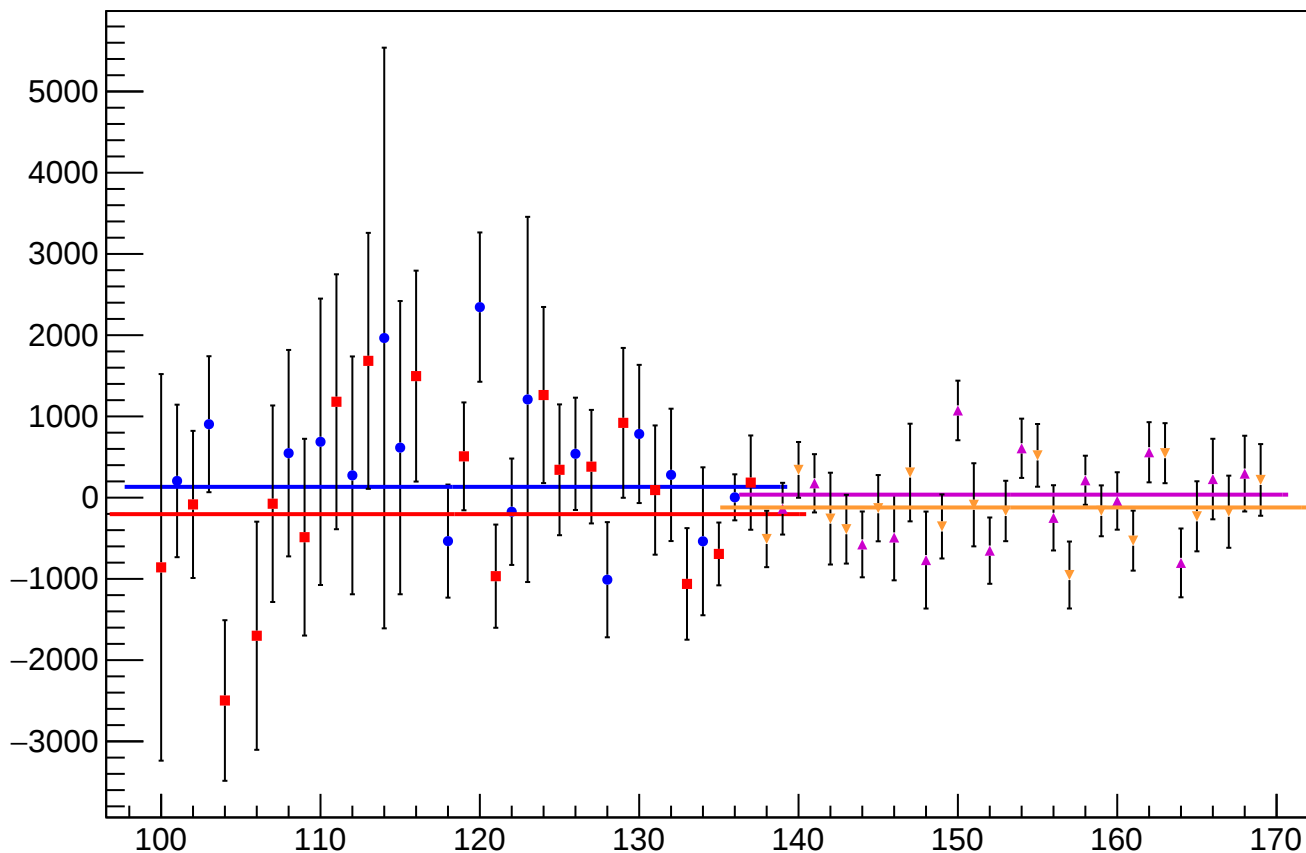
Left In: 1839.944 $\pm$ 0.386 χ^2 /NDF: 675215.8/14

+ sign 1639.490 $\pm$ 0.269 χ^2 /NDF: 1547004.7/33

All: 1642.978 $\pm$ 0.192 χ^2 /NDF: 2863855.5/67

- sign 1646.576 $\pm$ 0.273 χ^2 /NDF: 1316509.2/33

asym_sam1_mean vs Slug



Right In: 132.921 ± 180.271 χ^2/NDF : 12.9/16

Left Out: -120.732 ± 97.680 χ^2/NDF : 16.4/16

Right Out: -203.062 ± 184.353 χ^2/NDF : 21.4/18

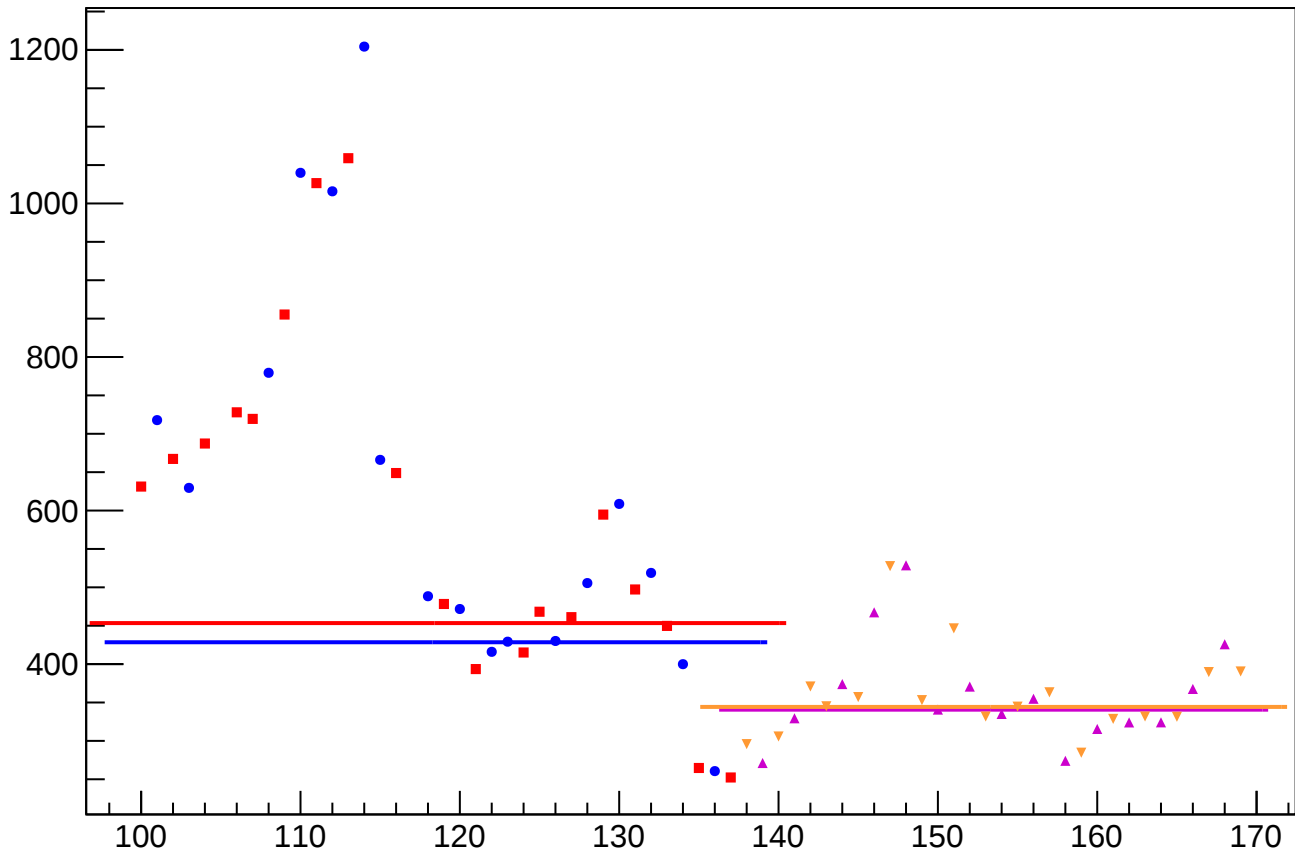
Left In: 36.910 ± 101.131 χ^2/NDF : 26.1/14

+ sign -63.162 ± 85.882 χ^2/NDF : 30.8/33

All: -41.592 ± 61.689 χ^2/NDF : 79.8/67

- sign -18.601 ± 88.666 χ^2/NDF : 48.8/33

asym_sam1_rms vs Slug



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 344.238 $\pm$ 0.069 χ^2 /NDF: 467250.0/16

Right Out: 453.435 $\pm$ 0.130 χ^2 /NDF: 2029813.8/18

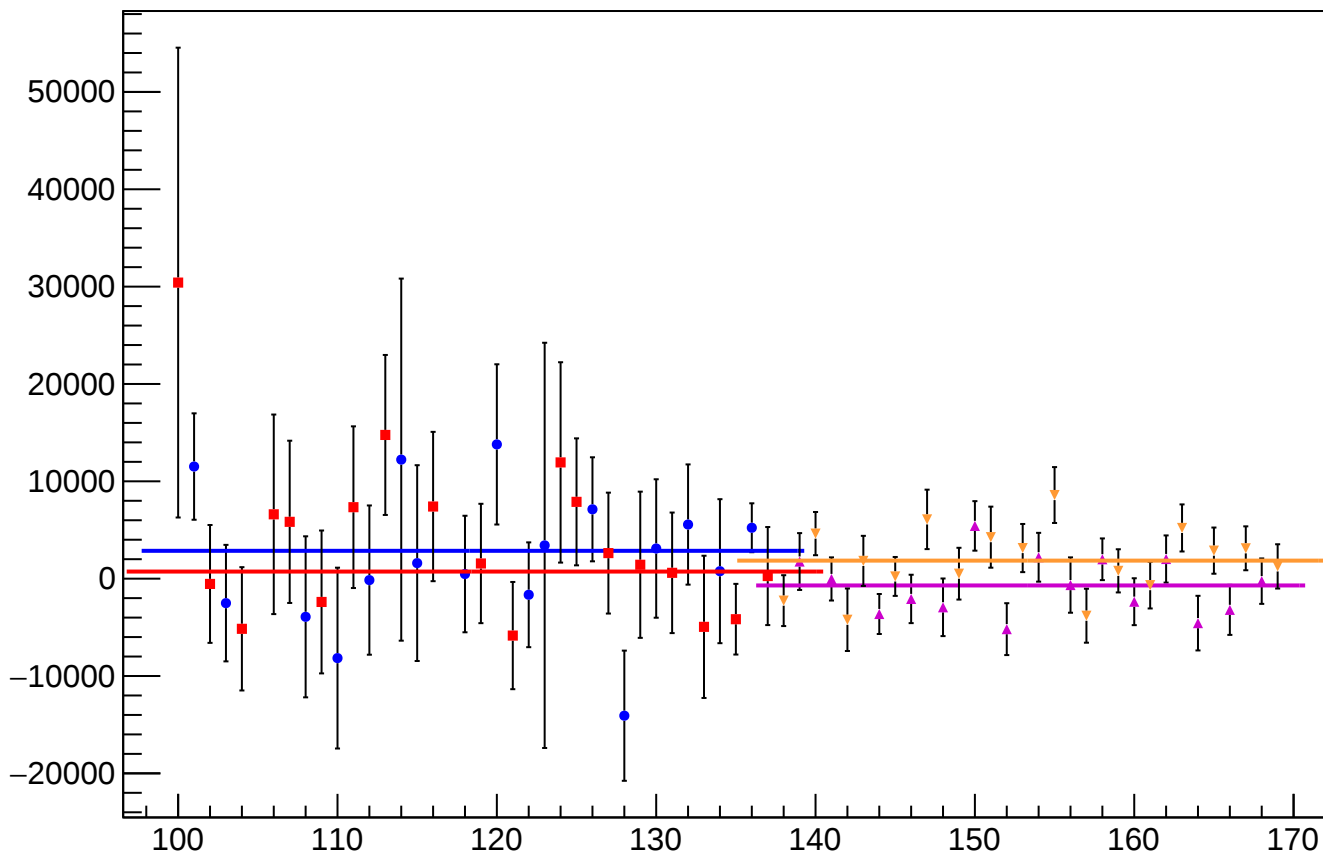
Left In: 340.662 $\pm$ 0.072 χ^2 /NDF: 625569.0/14

+ sign 363.354 $\pm$ 0.061 χ^2 /NDF: 2816170.7/33

All: 364.997 $\pm$ 0.044 χ^2 /NDF: 6048353.8/67

- sign 366.749 $\pm$ 0.063 χ^2 /NDF: 3230669.8/33

asym_sam2_mean vs Slug



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 1853.750+/-605.313 χ^2/NDF : 24.8/16

Right Out: 729.571+/-1509.224 χ^2/NDF : 14.0/18

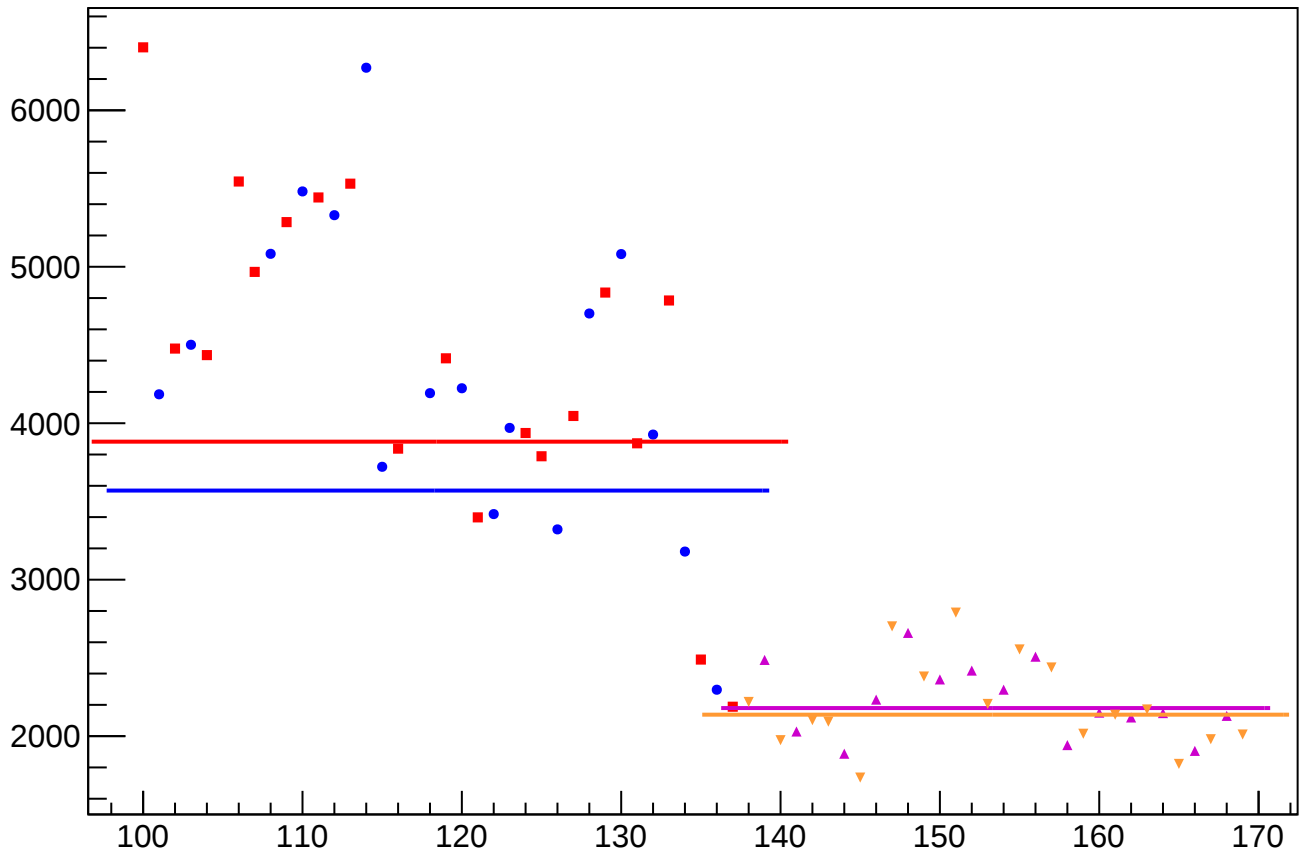
Left In: -697.263+/-640.799 χ^2/NDF : 19.9/14

+ sign 2003.400+/-558.472 χ^2/NDF : 41.9/33

All: 829.793+/-405.534 χ^2/NDF : 85.9/67

- sign -479.328+/-589.835 χ^2/NDF : 34.6/33

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2137.256+/-0.428 χ^2/NDF : 391172.2/16

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

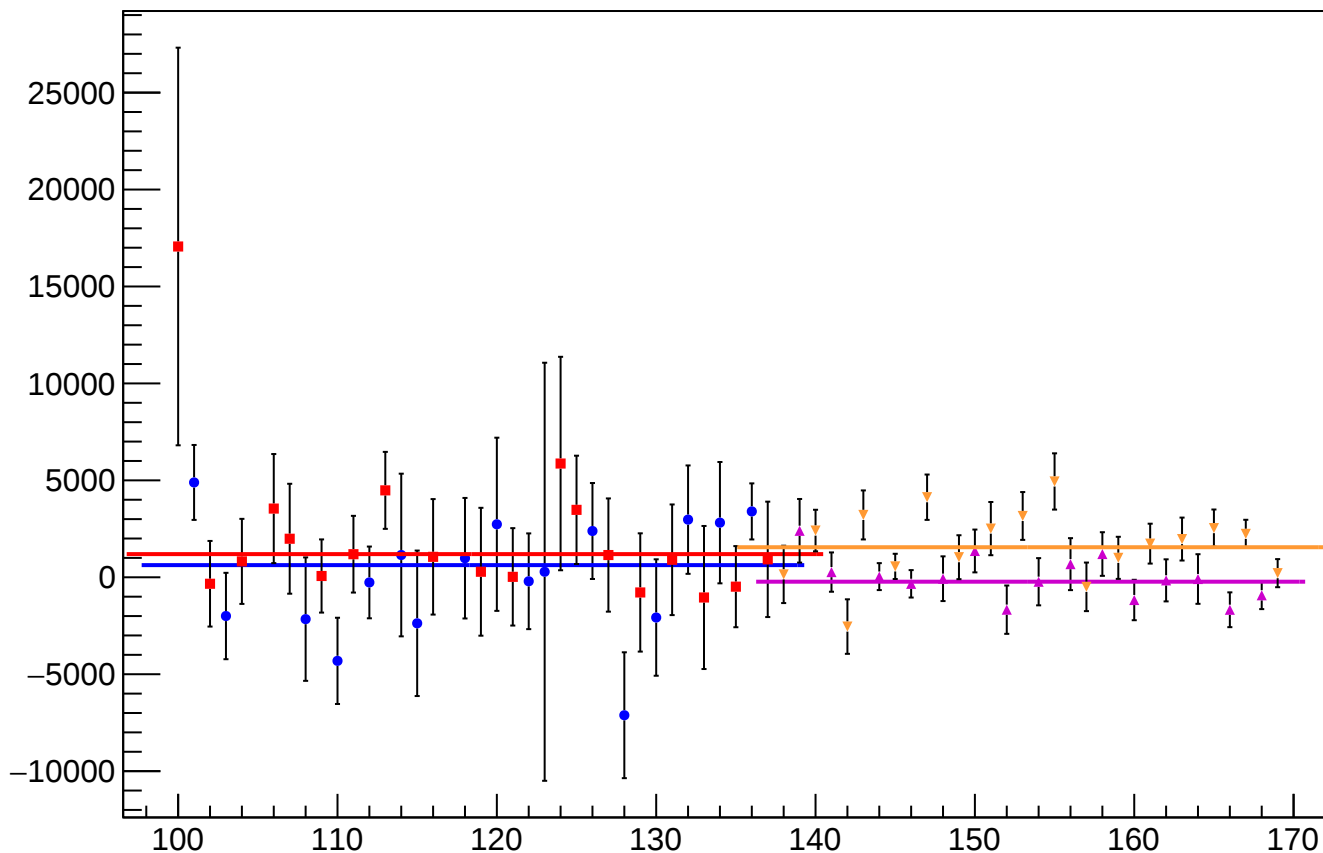
Left In: 2179.478+/-0.453 χ^2/NDF : 232765.2/14

+ sign 2350.360+/-0.395 χ^2/NDF : 3145279.3/33

All: 2392.520+/-0.287 χ^2/NDF : 6542046.9/67

- sign 2439.547+/-0.417 χ^2/NDF : 3372656.1/33

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1550.264 ± 248.974 χ^2/NDF : 35.3/16

Right Out: 1195.385 ± 603.058 χ^2/NDF : 9.9/18

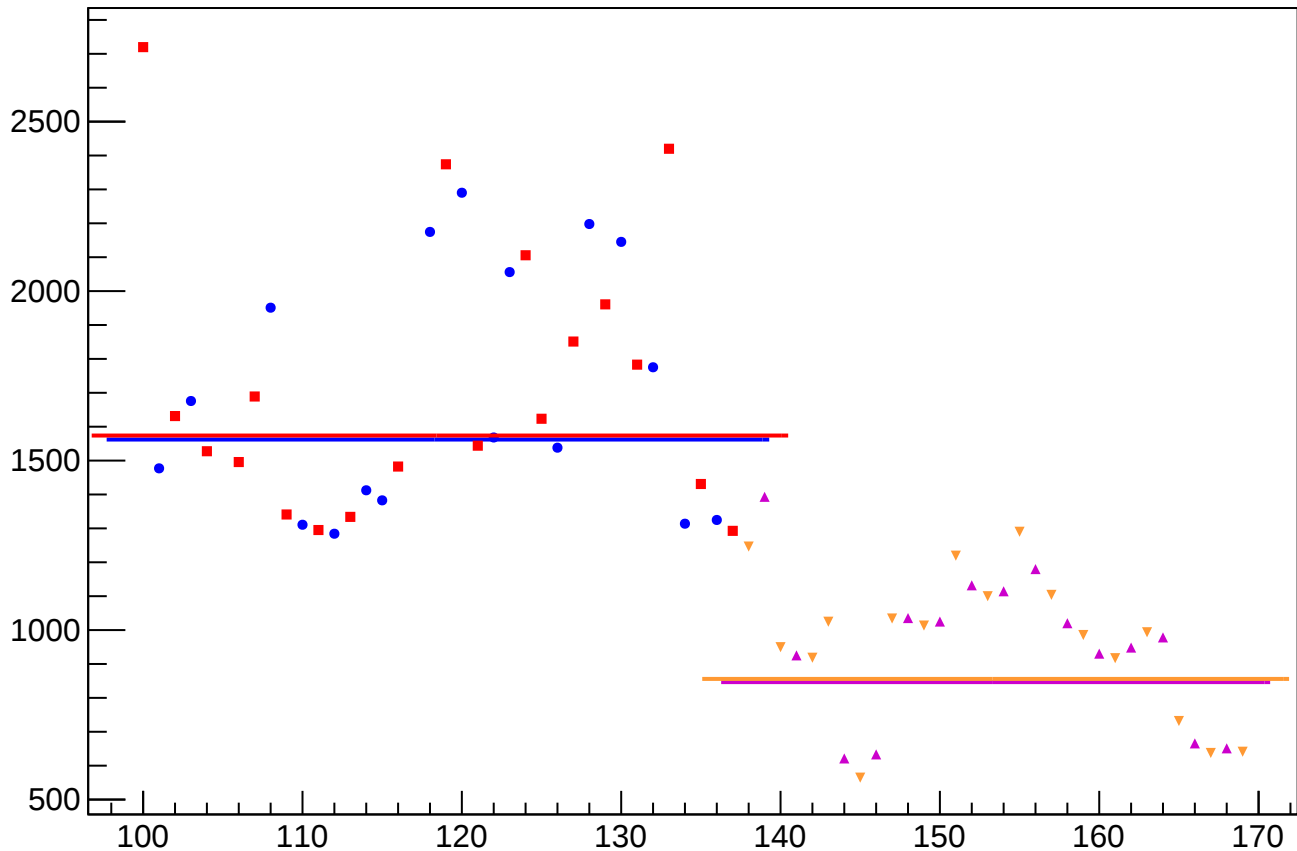
Left In: -227.325 ± 256.184 χ^2/NDF : 12.9/14

+ sign 1422.475 ± 231.089 χ^2/NDF : 62.2/33

All: 720.744 ± 165.042 χ^2/NDF : 108.5/67

- sign -9.829 ± 235.790 χ^2/NDF : 27.5/33

asym_sam3_rms vs Slug



Right In: 1562.101+/-0.439 χ^2/NDF : 482088.3/16

Left Out: 855.918+/-0.176 χ^2/NDF : 1613306.8/16

Right Out: 1573.906+/-0.426 χ^2/NDF : 463991.4/18

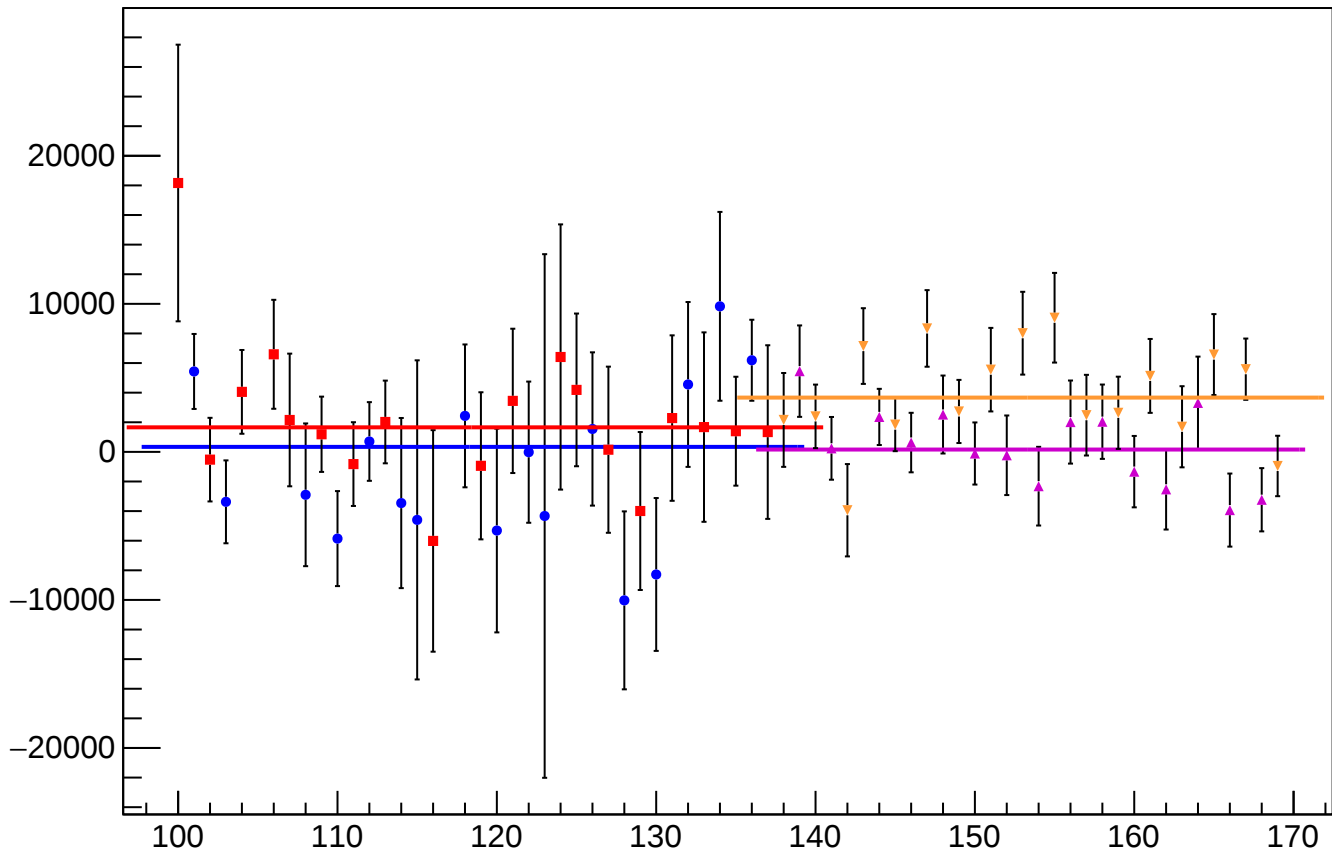
Left In: 846.495+/-0.181 χ^2/NDF : 1388111.1/14

+ sign 953.730+/-0.163 χ^2/NDF : 4323995.5/33

All: 955.674+/-0.117 χ^2/NDF : 8641401.6/67

- sign 957.698+/-0.167 χ^2/NDF : 4317117.2/33

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 3667.110 ± 595.696 χ^2/NDF : 27.2/16

Right Out: 1658.069 ± 924.453 χ^2/NDF : 10.3/18

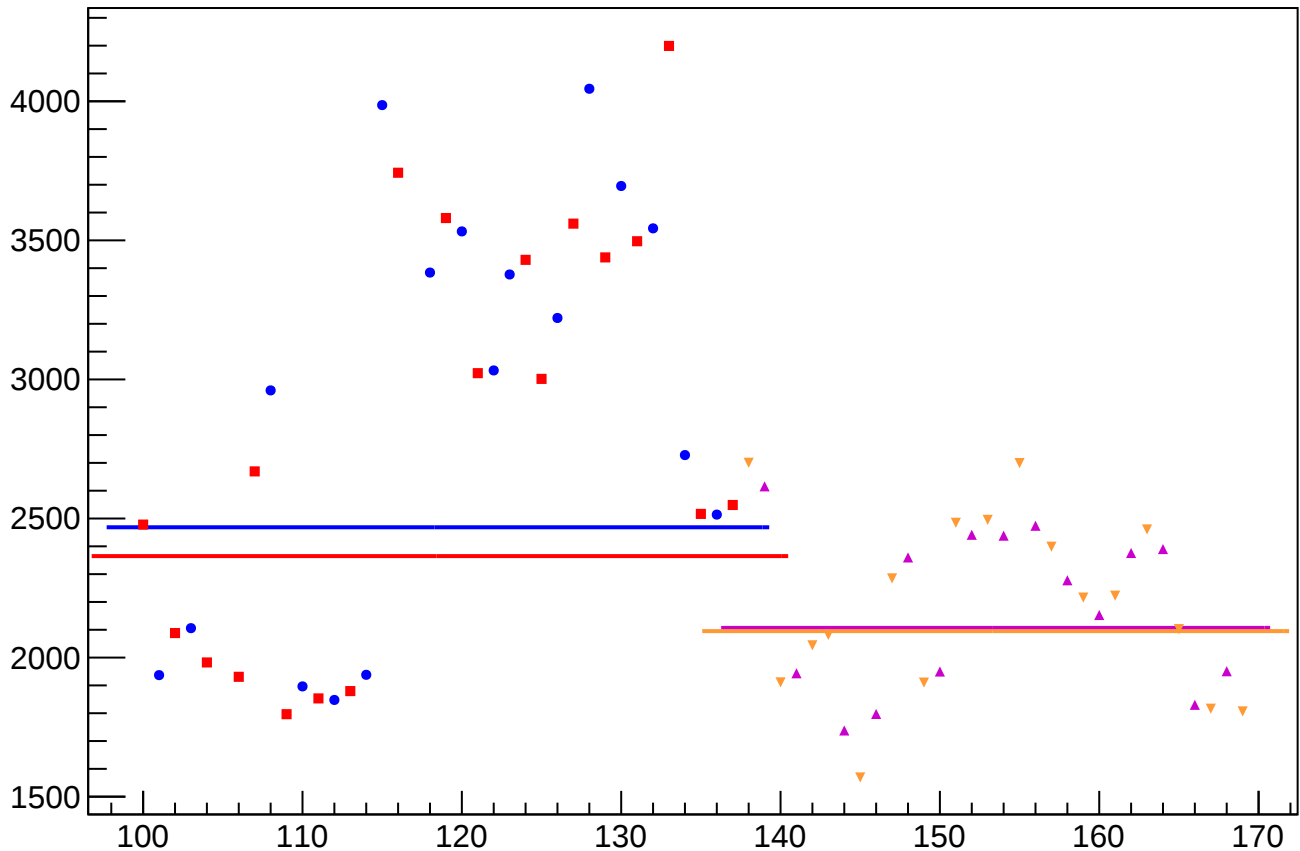
Left In: 157.769 ± 622.195 χ^2/NDF : 14.7/14

+ sign 2789.830 ± 511.215 χ^2/NDF : 60.2/33

All: 1718.114 ± 363.224 χ^2/NDF : 95.9/67

- sign 625.505 ± 516.174 χ^2/NDF : 26.8/33

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2095.204+/-0.421 χ^2/NDF : 591199.9/16

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

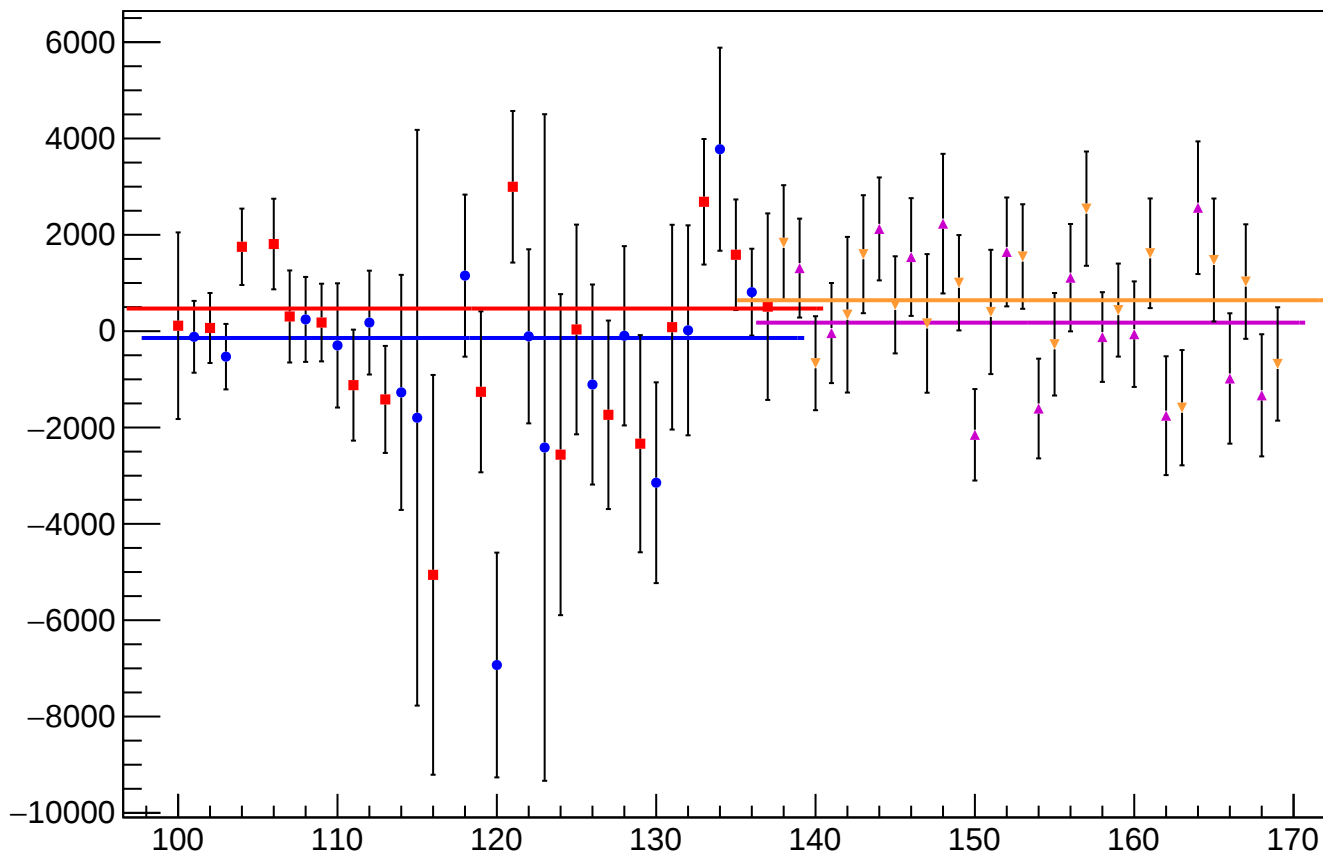
Left In: 2106.735+/-0.440 χ^2/NDF : 397131.5/14

+ sign 2193.575+/-0.361 χ^2/NDF : 1694313.1/33

All: 2190.418+/-0.257 χ^2/NDF : 3224052.0/67

- sign 2187.200+/-0.365 χ^2/NDF : 1529584.9/33

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 642.287+/-278.242 χ^2/NDF : 13.8/16

Right Out: 470.143+/-282.892 χ^2/NDF : 22.9/18

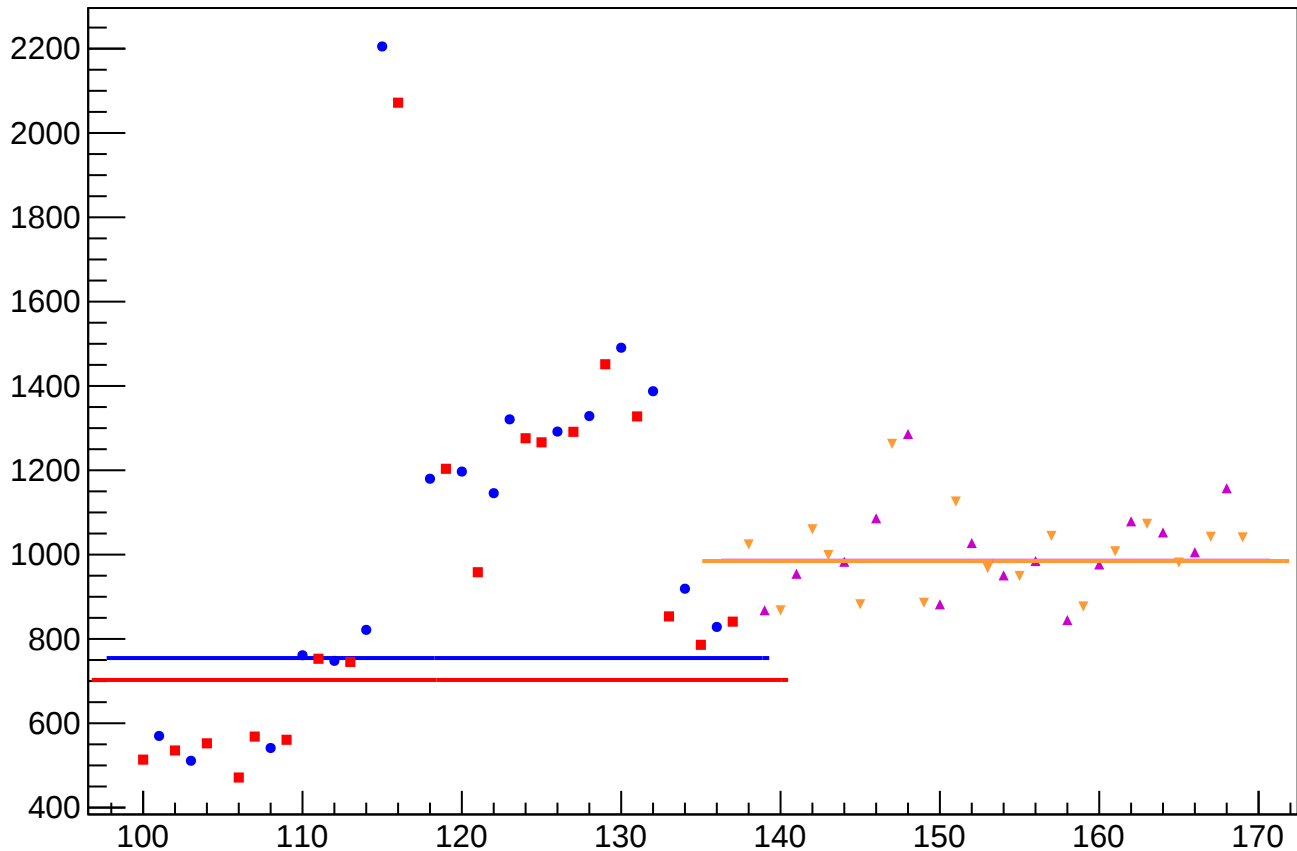
Left In: 176.820+/-290.316 χ^2/NDF : 26.9/14

+ sign 296.832+/-208.047 χ^2/NDF : 34.2/33

All: 312.459+/-145.151 χ^2/NDF : 84.6/67

- sign 327.280+/-202.609 χ^2/NDF : 50.4/33

asym_sam5_rms vs Slug



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 984.763 $\pm$ 0.197 χ^2 /NDF:228401.4/16

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

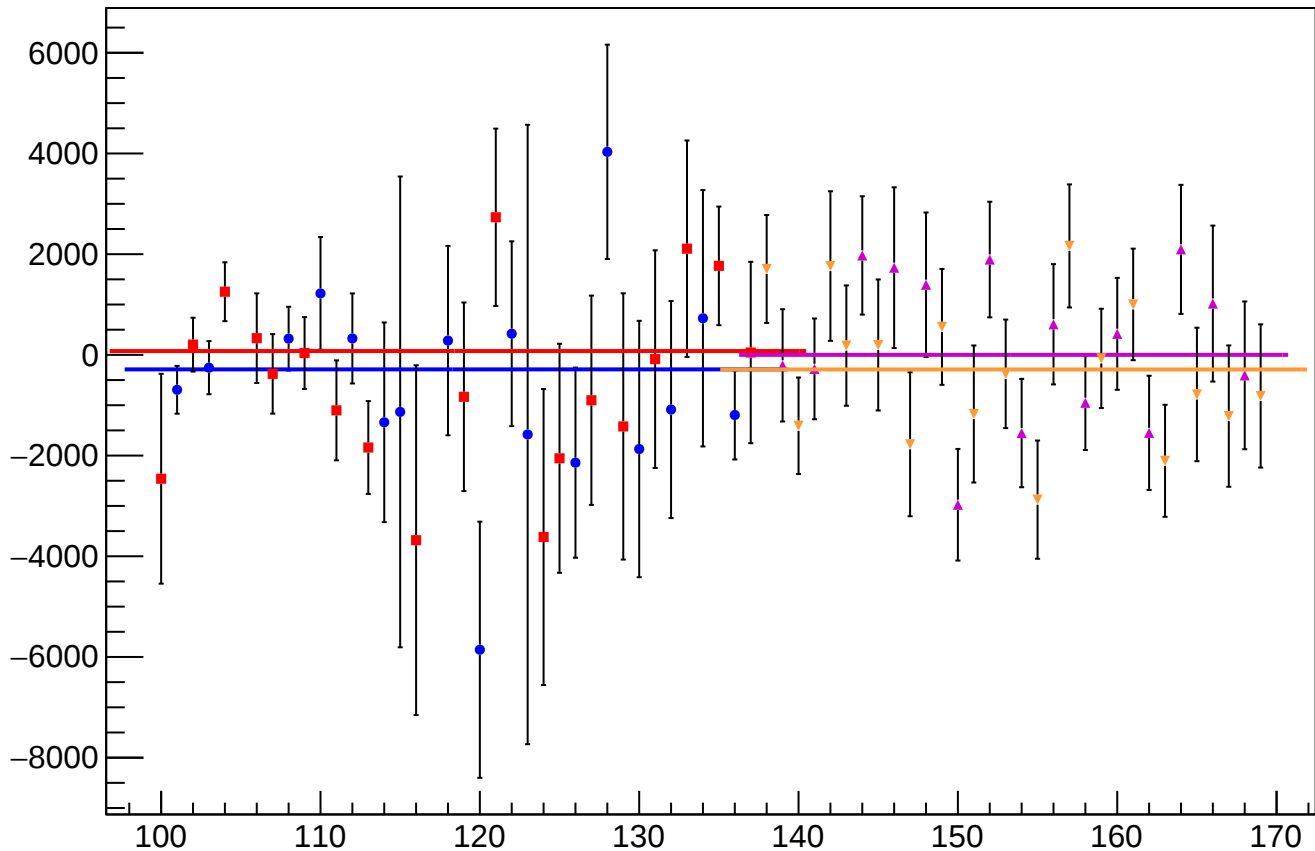
Left In: 985.390 $\pm$ 0.205 χ^2 /NDF:255502.7/14

+ sign 883.318 $\pm$ 0.147 χ^2 /NDF: 2521985.4/33

All: 861.288 $\pm$ 0.103 χ^2 /NDF: 5485345.6/67

- sign 840.395 $\pm$ 0.143 χ^2 /NDF: 2919668.5/33

asym_sam6_mean vs Slug



Right In: -288.037 ± 250.436 χ^2/NDF : 16.2/16

Left Out: -289.815 ± 289.087 χ^2/NDF : 22.8/16

Right Out: 76.119 ± 246.083 χ^2/NDF : 21.4/18

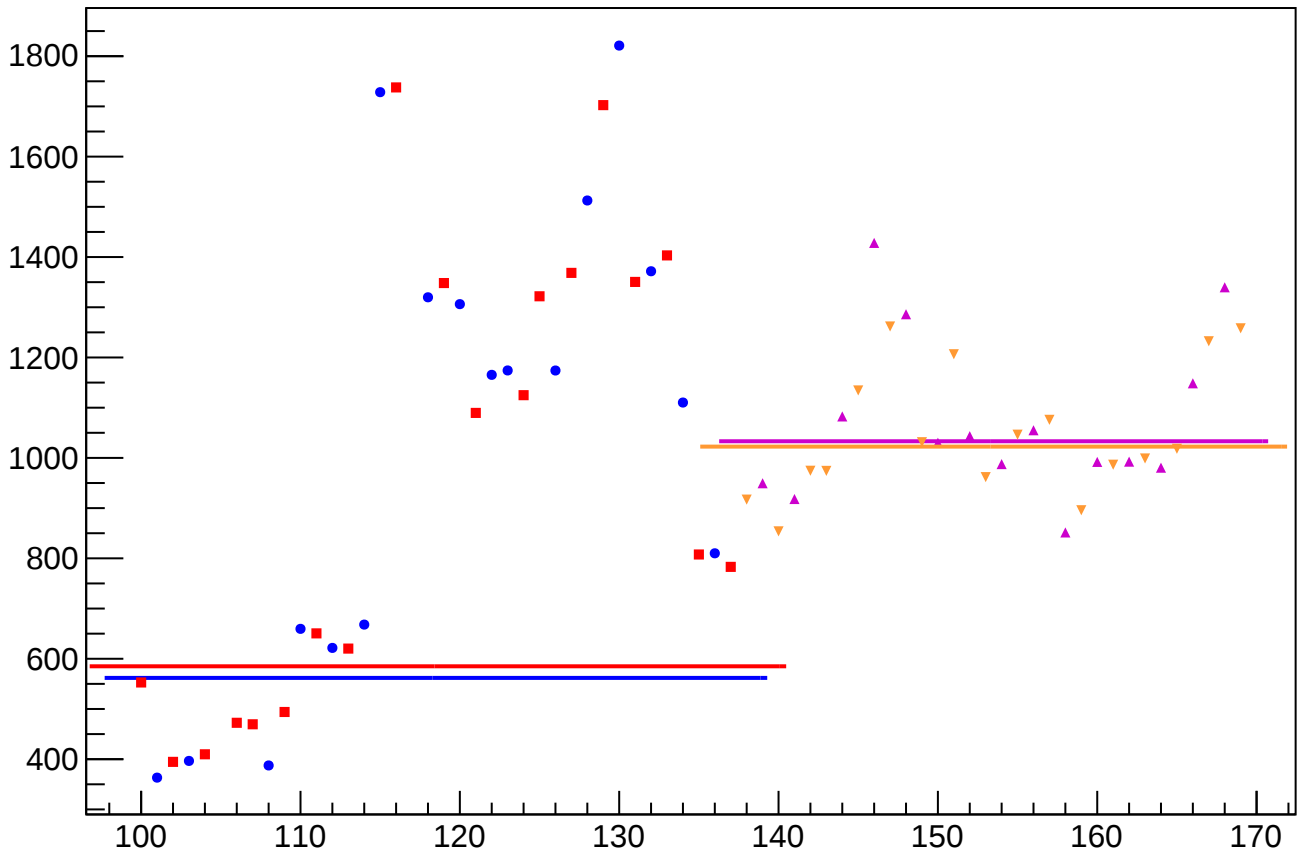
Left In: 0.347 ± 304.917 χ^2/NDF : 23.5/14

+ sign -288.799 ± 189.286 χ^2/NDF : 38.9/33

All: -123.230 ± 134.621 χ^2/NDF : 85.4/67

- sign 46.232 ± 191.498 χ^2/NDF : 45.0/33

asym_sam6_rms vs Slug



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1022.490 $\pm$ 0.204 χ^2 /NDF:340862.3/16

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

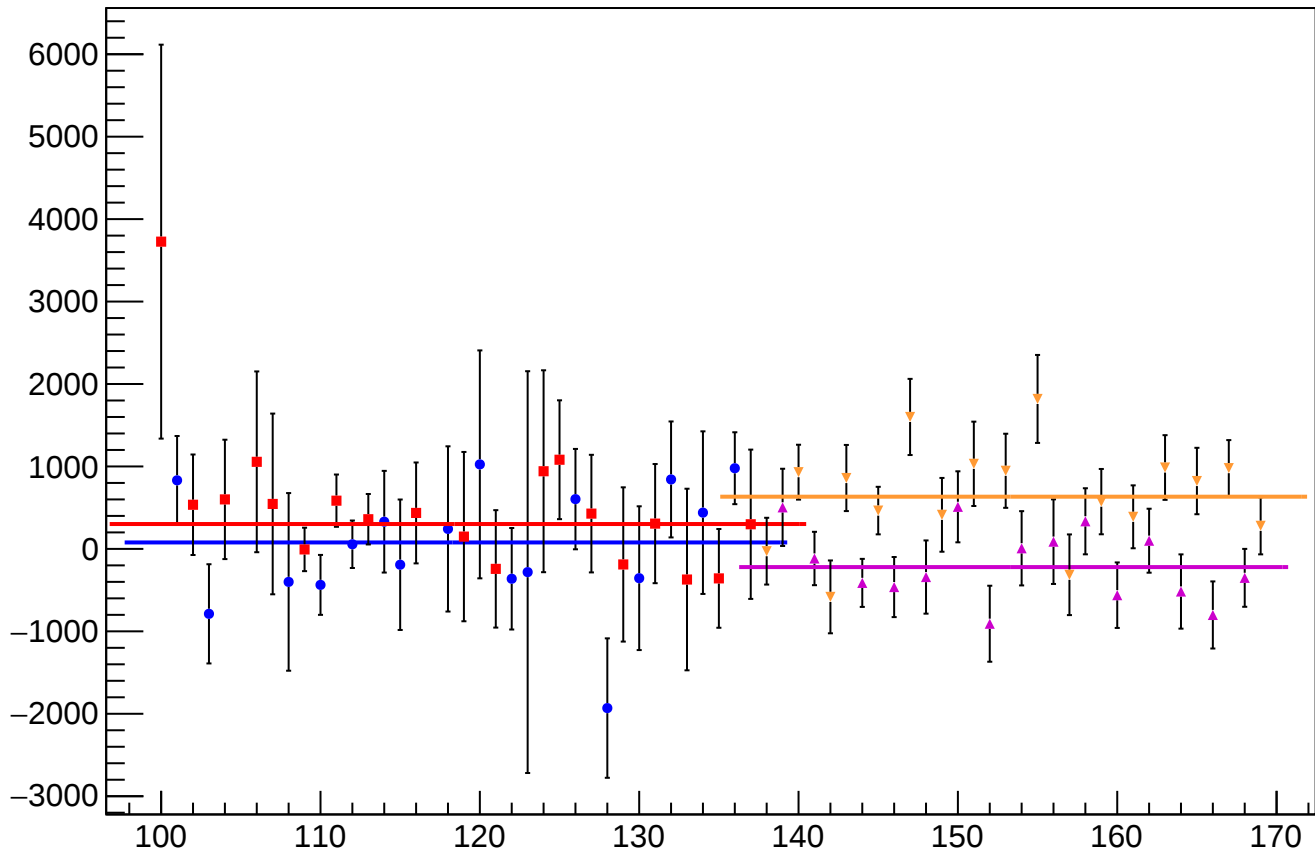
Left In: 1033.157 $\pm$ 0.216 χ^2 /NDF:412183.3/14

+ sign 759.363 $\pm$ 0.134 χ^2 /NDF: 6457910.8/33

All: 760.548 $\pm$ 0.095 χ^2 /NDF: 12311120.5/67

- sign 761.761 $\pm$ 0.135 χ^2 /NDF: 5853051.1/33

asym_sam7_mean vs Slug



Right In: 78.184 $\pm$ 142.869 χ^2 /NDF: 19.8/16

Left Out: 633.186 $\pm$ 96.438 χ^2 /NDF: 29.6/16

Right Out: 301.651 $\pm$ 129.650 χ^2 /NDF: 9.1/18

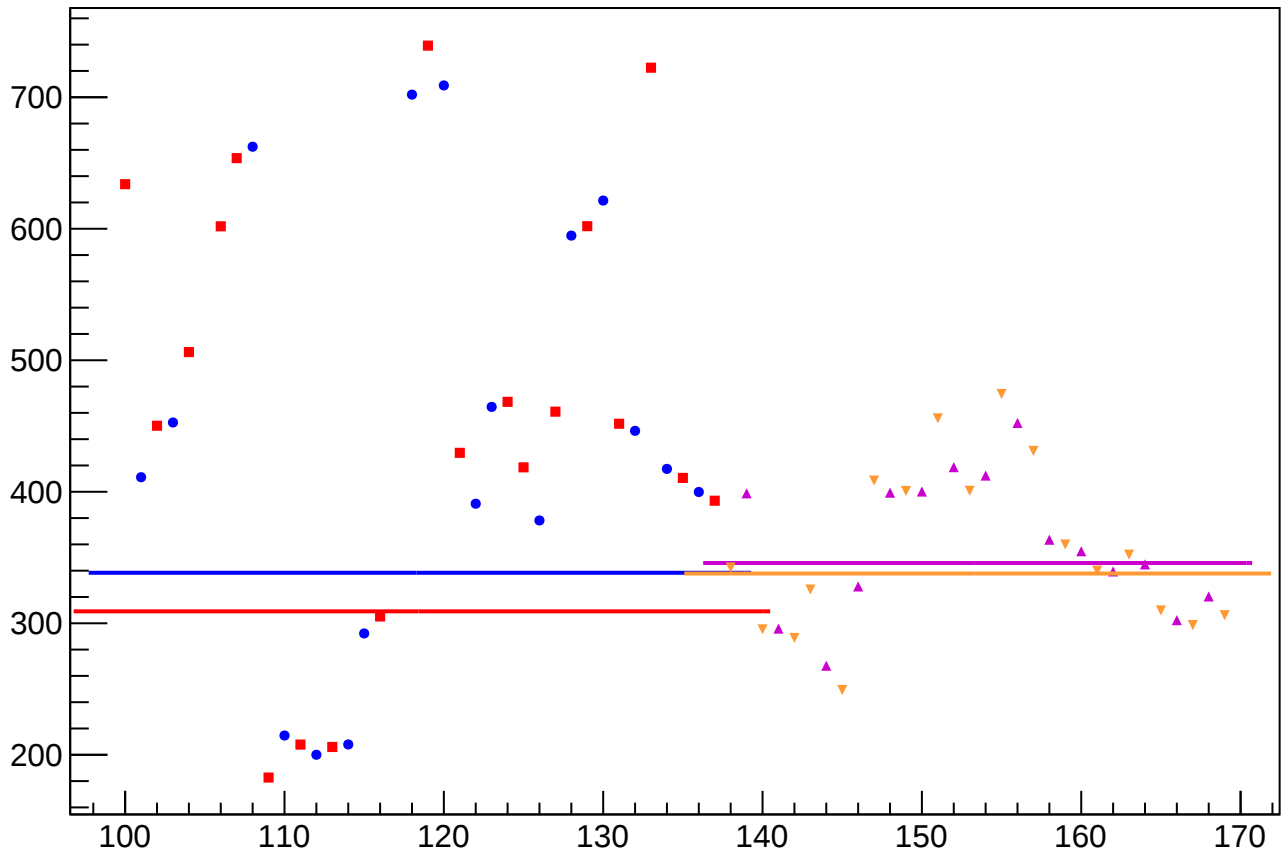
Left In: -220.622 $\pm$ 102.281 χ^2 /NDF: 15.1/14

+ sign 459.462 $\pm$ 79.932 χ^2 /NDF: 59.8/33

All: 220.699 $\pm$ 56.650 χ^2 /NDF: 111.9/67

- sign -20.270 $\pm$ 80.301 χ^2 /NDF: 34.2/33

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 337.845 $\pm$ 0.068 χ^2 /NDF: 745447.4/16

+ sign 338.021 $\pm$ 0.057 χ^2 /NDF: 2754755.8/33

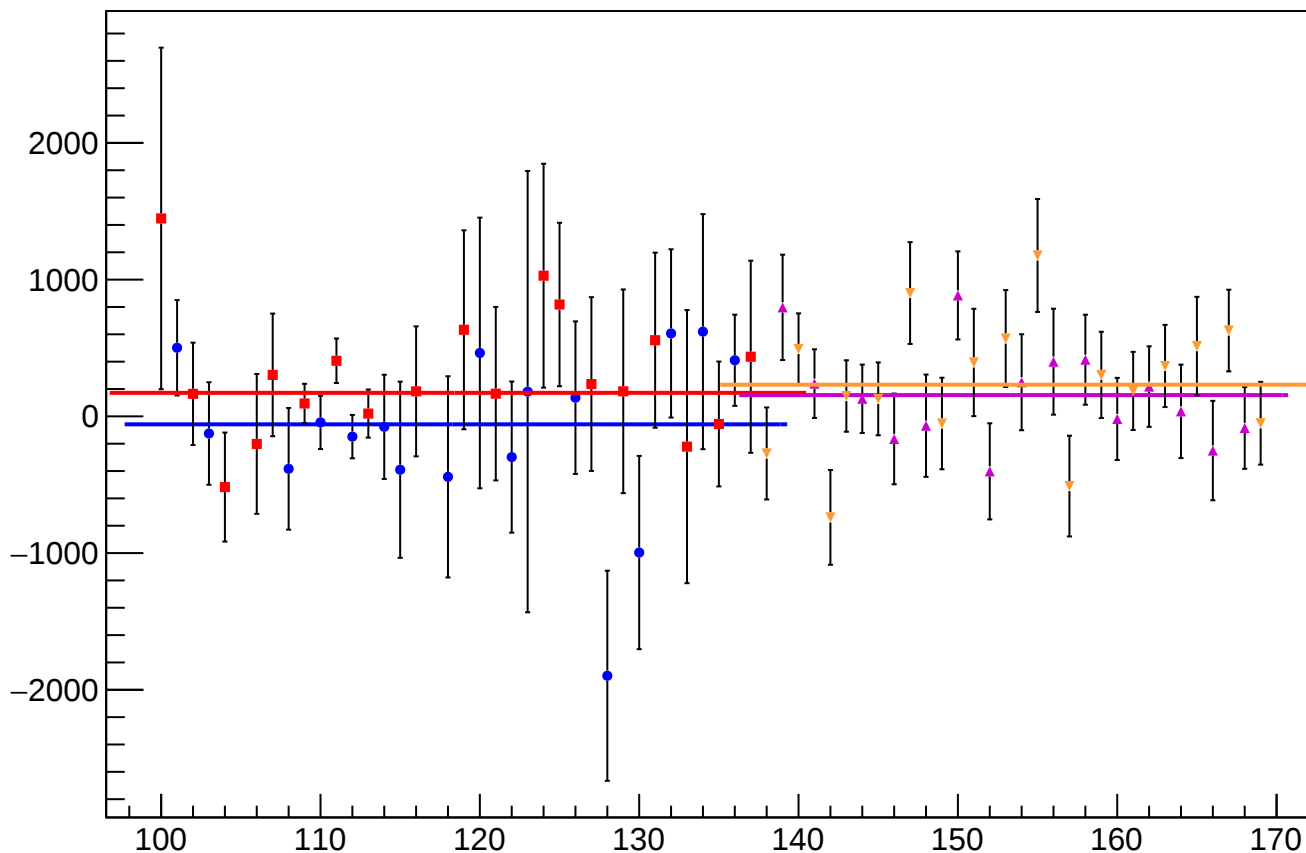
Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

All: 334.898 $\pm$ 0.040 χ^2 /NDF: 6094653.8/67

- sign 331.746 $\pm$ 0.057 χ^2 /NDF: 3333763.3/33

Left In: 345.852 $\pm$ 0.072 χ^2 /NDF: 501133.4/14

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 231.473 ± 77.219 χ^2/NDF : 29.2/16

Right Out: 171.954 ± 76.920 χ^2/NDF : 11.3/18

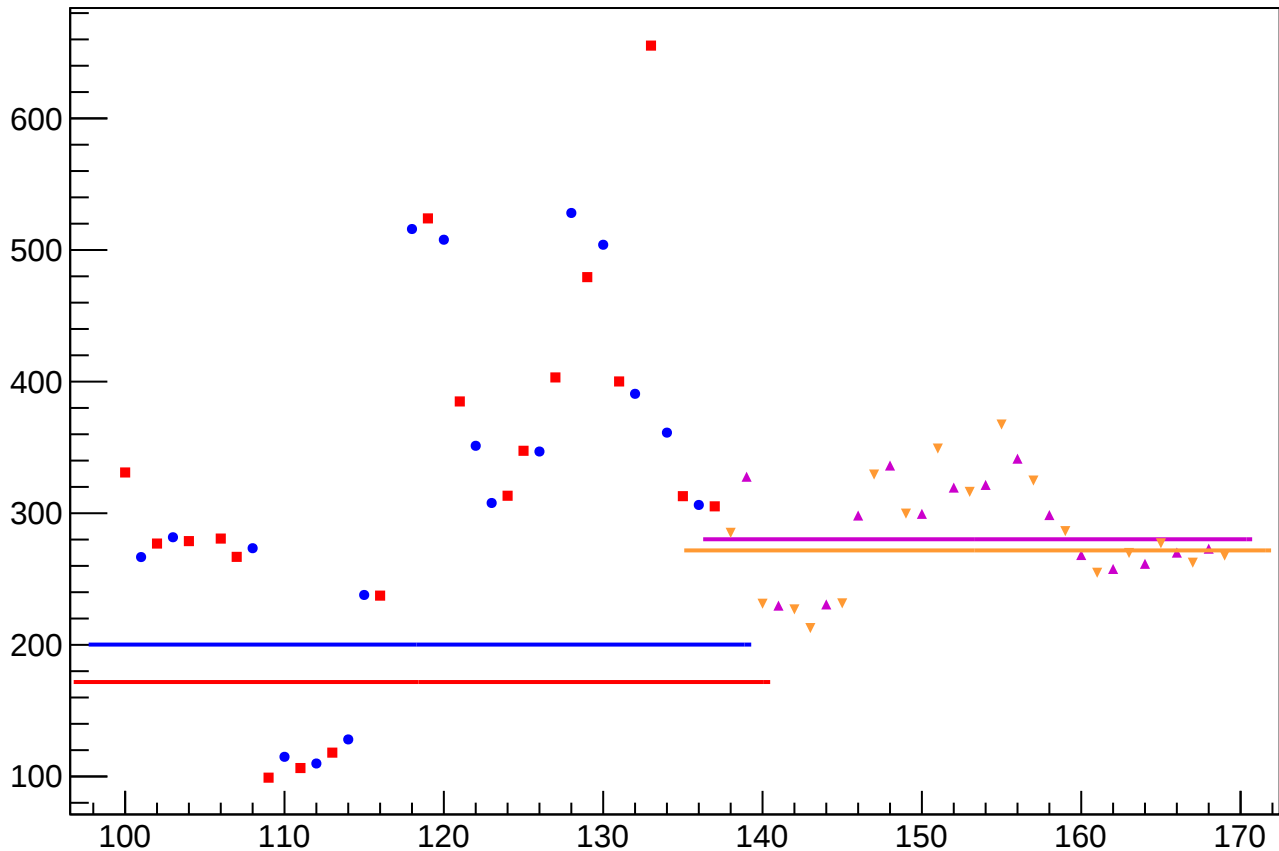
Left In: 155.500 ± 82.612 χ^2/NDF : 15.3/14

+ sign 109.364 ± 58.738 χ^2/NDF : 51.0/33

All: 138.005 ± 40.643 χ^2/NDF : 78.1/67

- sign 164.314 ± 56.295 χ^2/NDF : 26.7/33

asym_sam8_rms vs Slug



Right In: 200.209 $\pm$ 0.064 χ^2 /NDF: 3387197.7/16

Left Out: 271.753 $\pm$ 0.055 χ^2 /NDF: 566715.3/16

Right Out: 171.757 $\pm$ 0.054 χ^2 /NDF: 4093922.6/18

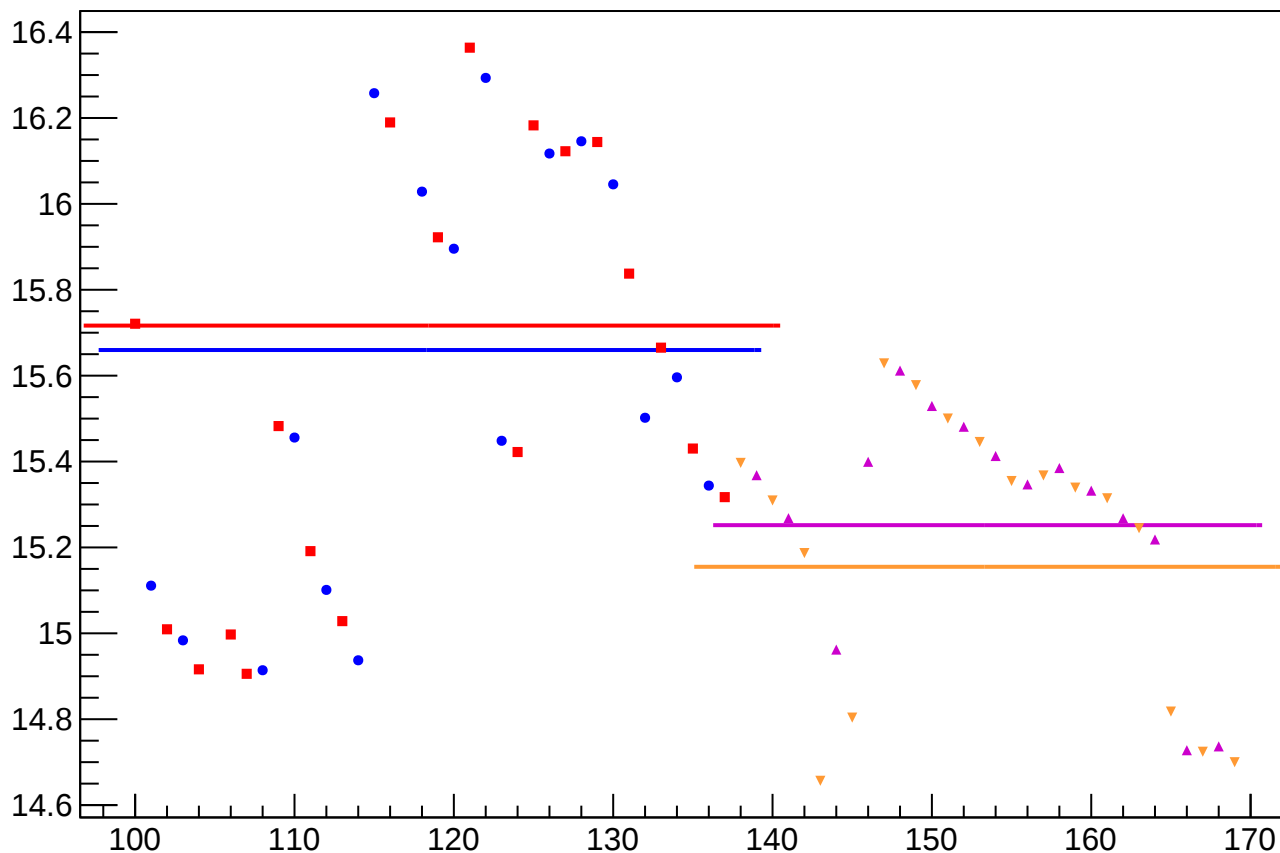
Left In: 280.224 $\pm$ 0.058 χ^2 /NDF: 380037.9/14

+ sign 241.605 $\pm$ 0.042 χ^2 /NDF: 4677378.8/33

All: 231.452 $\pm$ 0.029 χ^2 /NDF: 11112739.9/67

- sign 222.126 $\pm$ 0.040 χ^2 /NDF: 6320715.5/33

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.155 $\pm$ 0.000 χ^2 /NDF: 10616982421.3/16

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

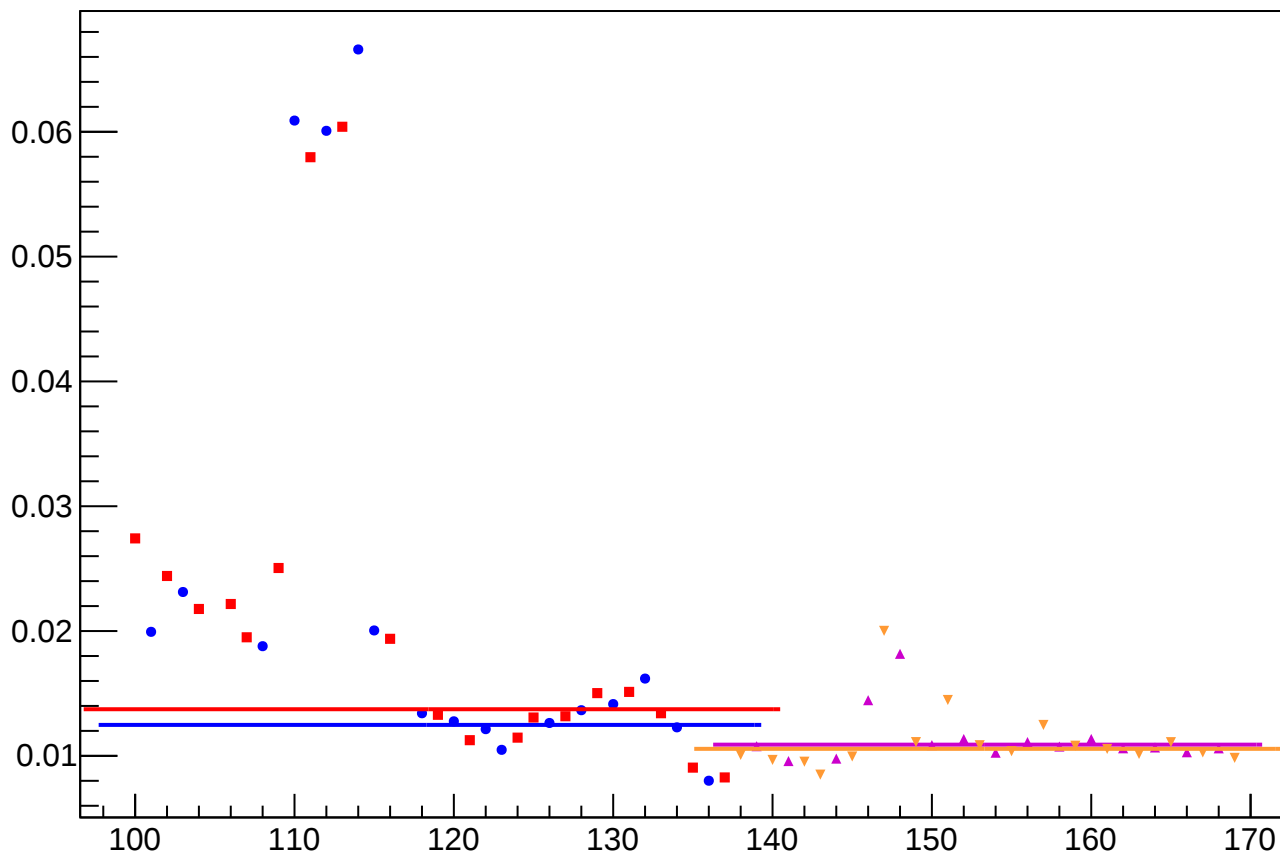
Left In: 15.252 $\pm$ 0.000 χ^2 /NDF: 5710924464.2/14

+ sign 15.275 $\pm$ 0.000 χ^2 /NDF: 22826254977.4/33

All: 15.316 $\pm$ 0.000 χ^2 /NDF: 39243393753.7

- sign 15.362 $\pm$ 0.000 χ^2 /NDF: 15922172602.7/33

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:599649.3/16

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

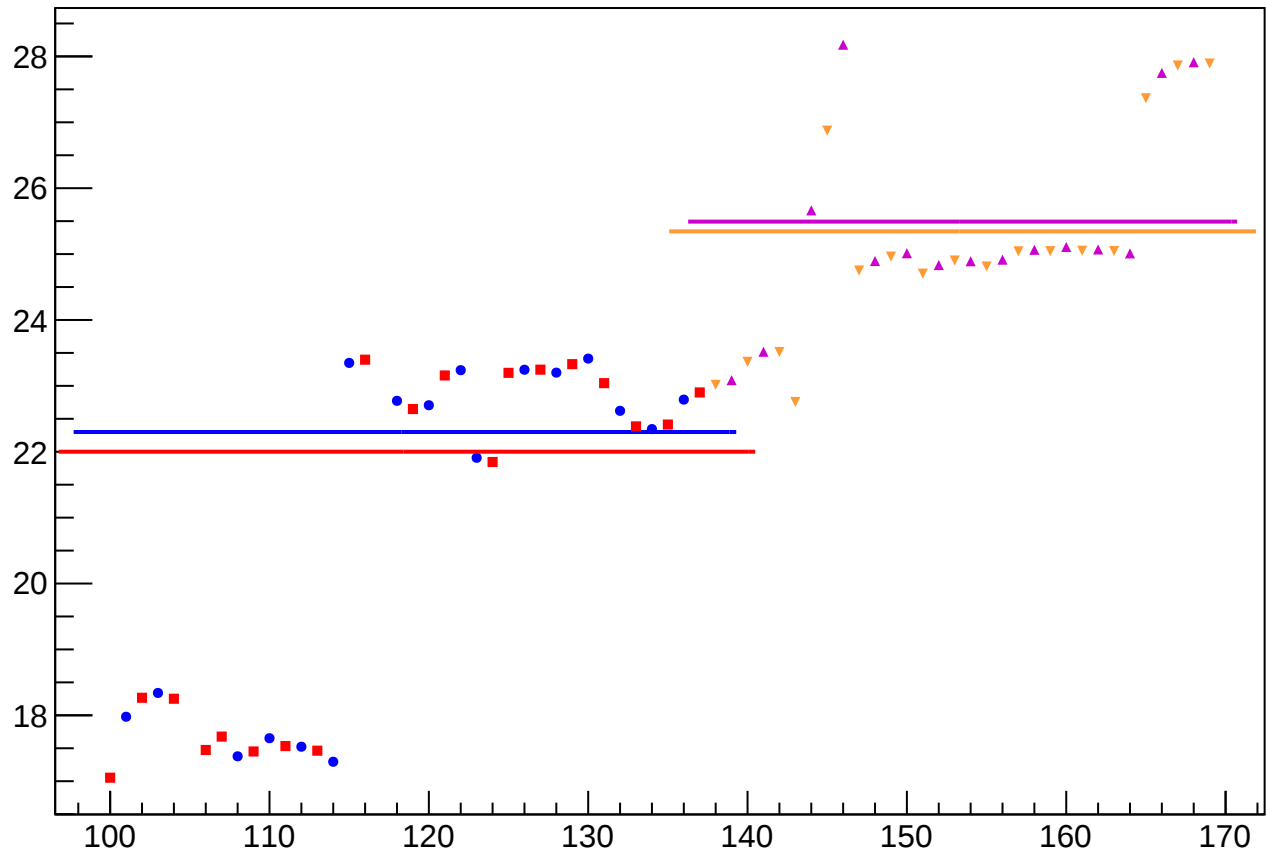
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:403417.0/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2938172.9/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5813376.0/67

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2835354.2/33

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 25.345+/-0.000 χ^2/NDF : 2283141154.8/16

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

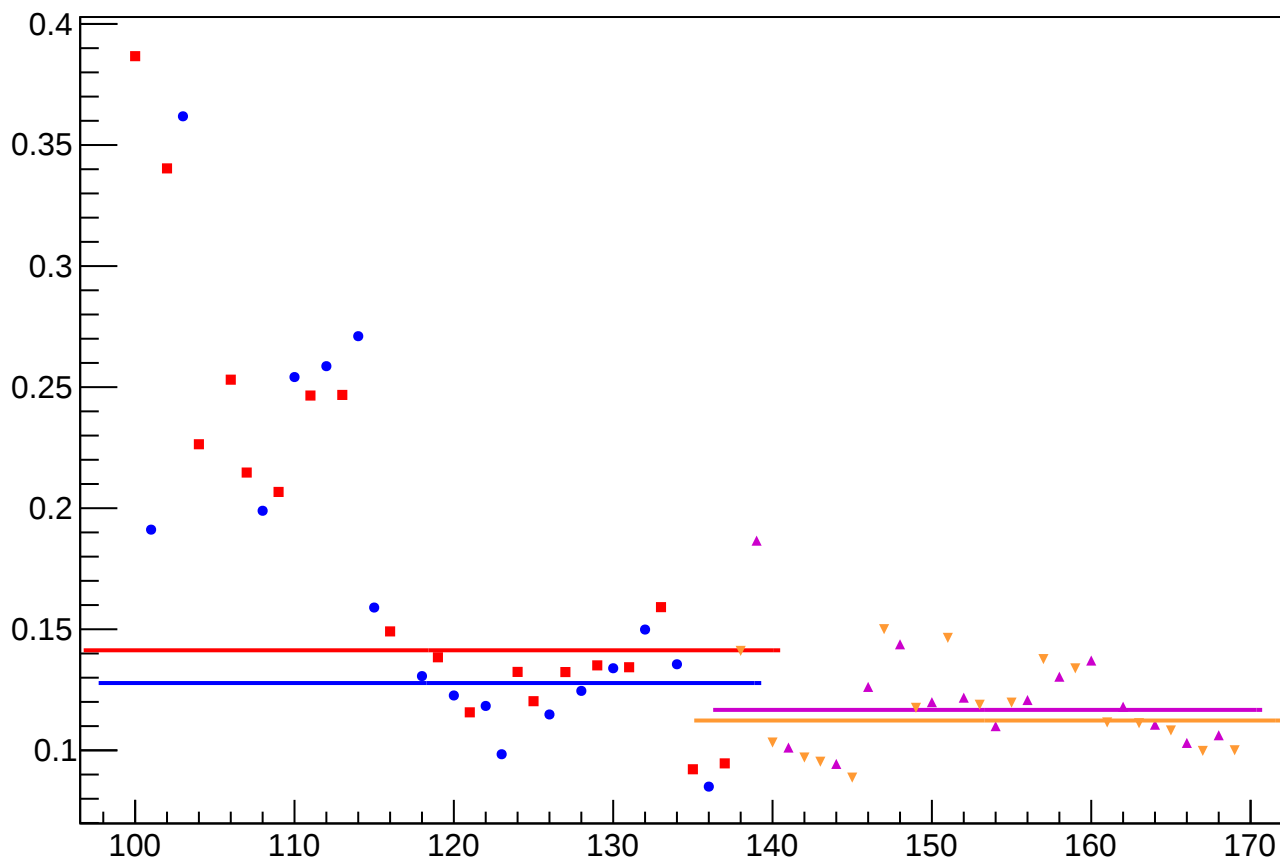
Left In: 25.493+/-0.000 χ^2/NDF : 1433118344.8/14

+ sign 24.537+/-0.000 χ^2/NDF : 5331010160.6/33

All: 24.540+/-0.000 χ^2/NDF : 10278913880.5

- sign 24.544+/-0.000 χ^2/NDF : 4947877526.5/33

yield_sam2_rms vs Slug



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.112 $\pm$ 0.000 χ^2 /NDF:511429.0/16

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1449275.1/18

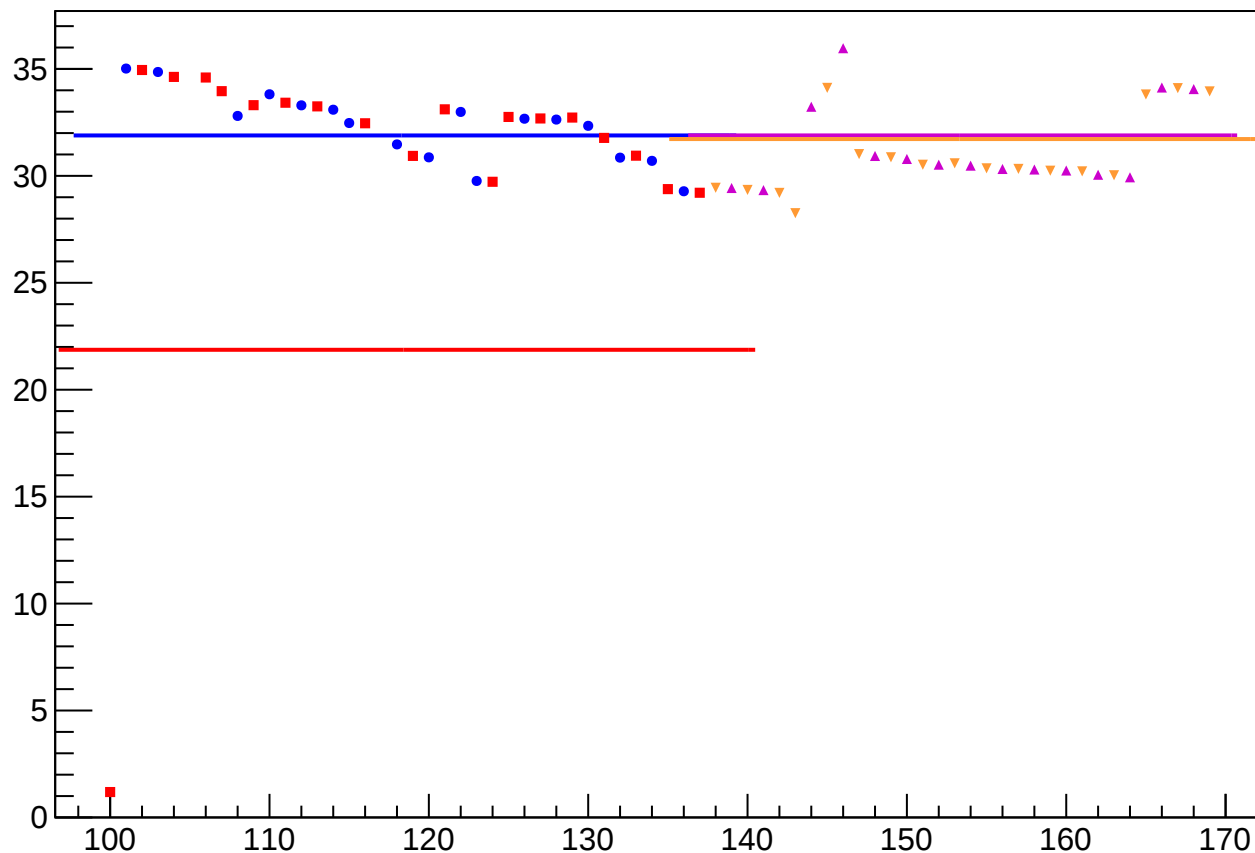
Left In: 0.117 $\pm$ 0.000 χ^2 /NDF:467225.1/14

+ sign 0.116 $\pm$ 0.000 χ^2 /NDF: 2112529.1/33

All: 0.120 $\pm$ 0.000 χ^2 /NDF: 4325039.6/67

- sign 0.123 $\pm$ 0.000 χ^2 /NDF: 2159768.6/33

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.721+/-0.000 χ^2/NDF : 9667885402.7/16

Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18

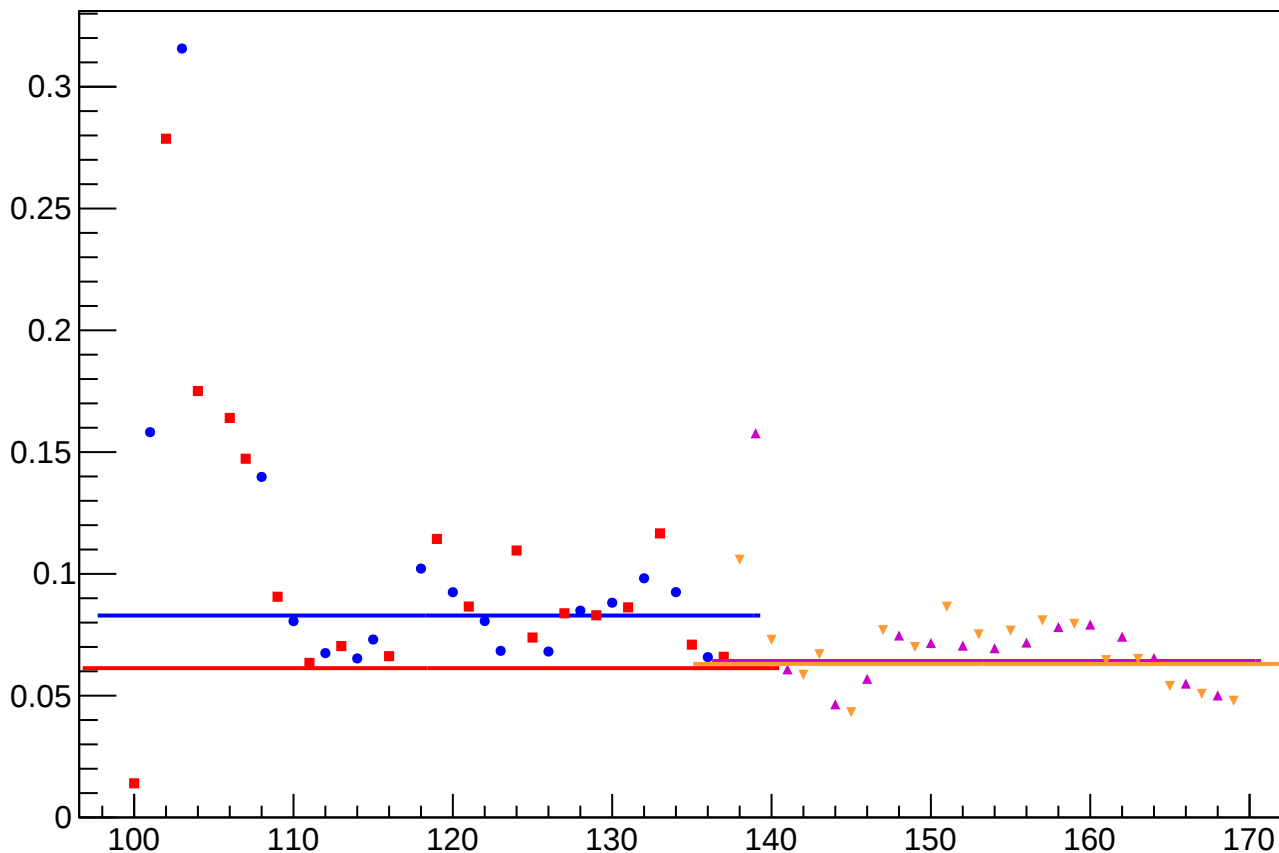
Left In: 31.891+/-0.000 χ^2/NDF : 9307464143.0/14

+ sign 31.759+/-0.000 χ^2/NDF : 11613927730.3/33

All: 30.144+/-0.000 χ^2/NDF : 338627212699.

- sign 28.575+/-0.000 χ^2/NDF : 310940858273.3/33

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.063+/-0.000 χ^2/NDF : 1025990.1/16

Right Out: 0.061+/-0.000 χ^2/NDF : 3603853.3/18

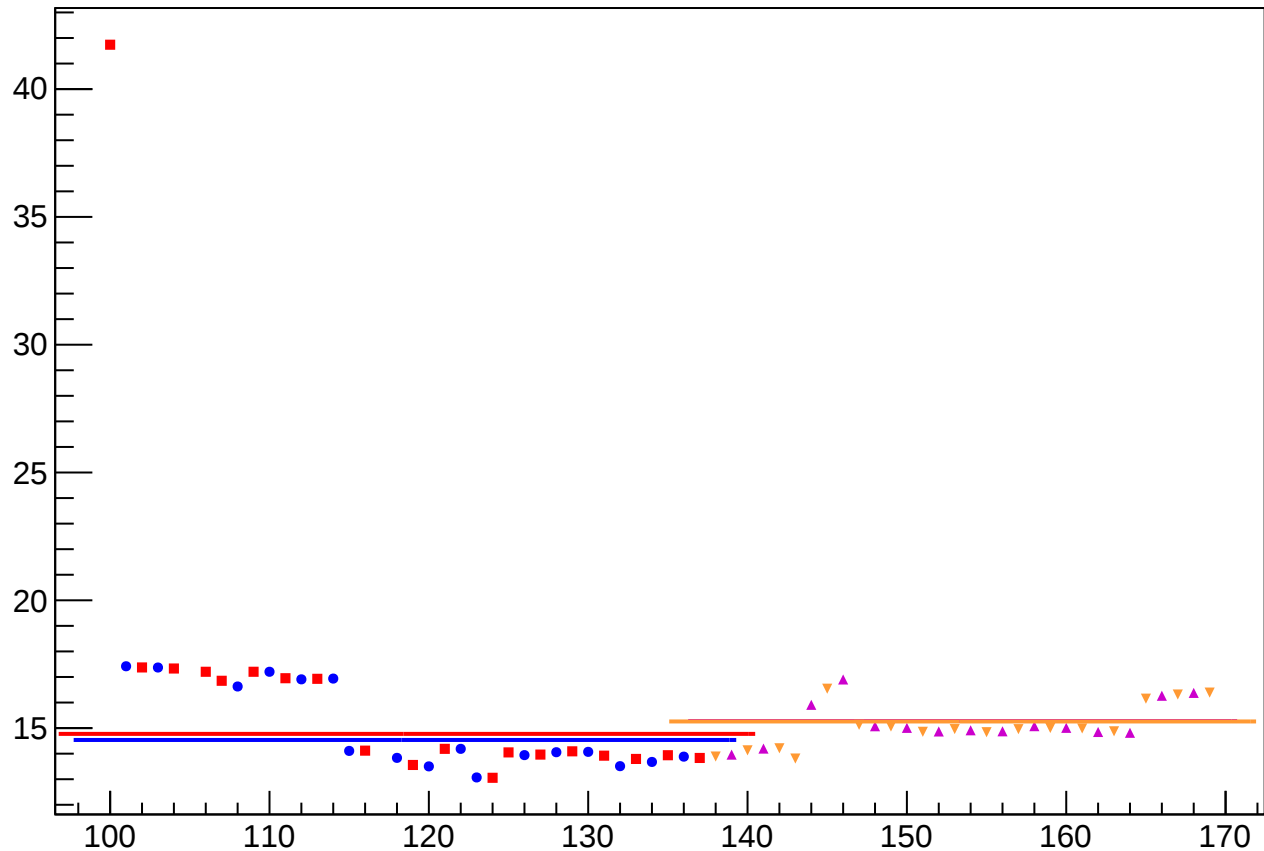
Left In: 0.064+/-0.000 χ^2/NDF : 1020879.0/14

+ sign 0.068+/-0.000 χ^2/NDF : 2624726.3/33

All: 0.065+/-0.000 χ^2/NDF : 7320766.7/67

- sign 0.063+/-0.000 χ^2/NDF : 4637000.8/33

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.260+/-0.000 χ^2/NDF : 1731080311.8/16

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

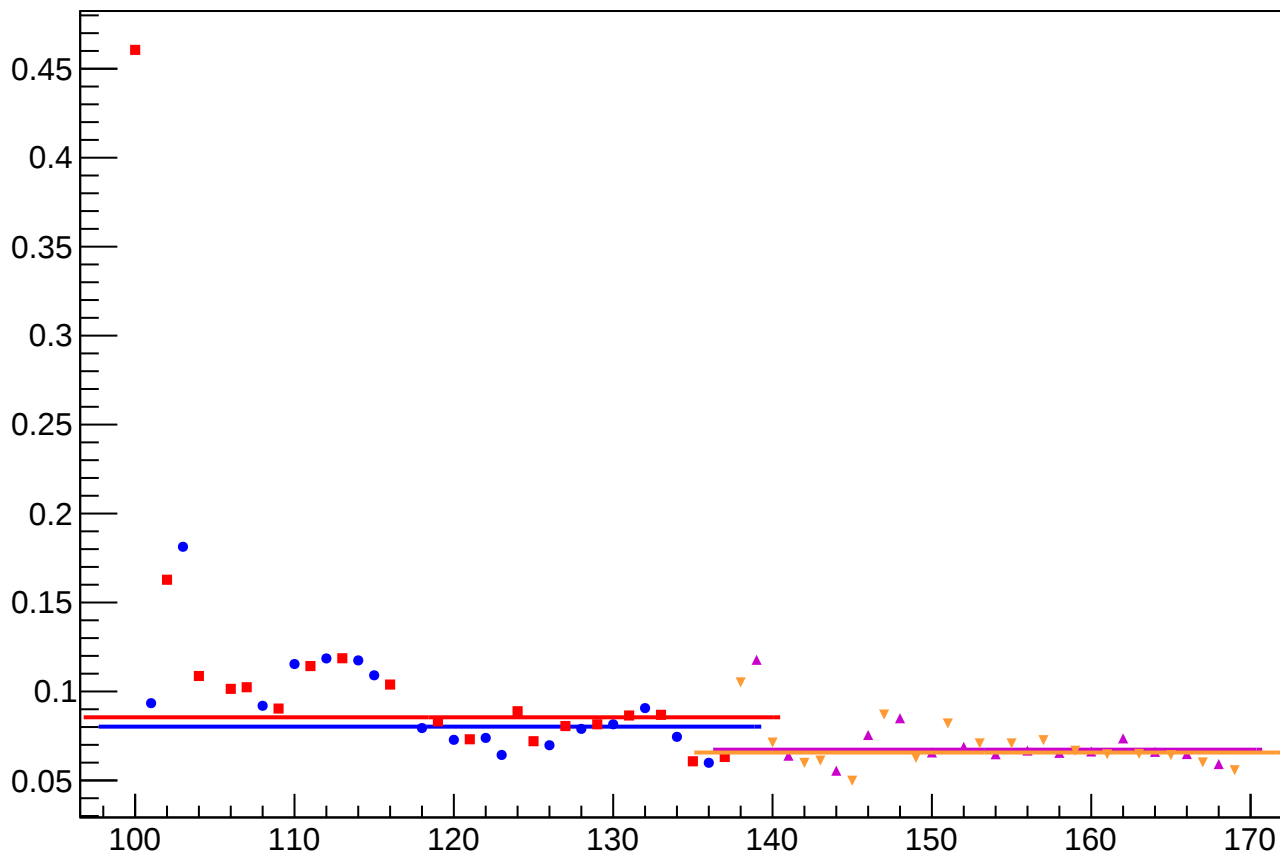
Left In: 15.278+/-0.000 χ^2/NDF : 1183831796.4/14

+ sign 15.073+/-0.000 χ^2/NDF : 3535327607.8/33

All: 15.106+/-0.000 χ^2/NDF : 6762565546.9/66

- sign 15.142+/-0.000 χ^2/NDF : 3219751997.5/33

yield_sam4_rms vs Slug



Right In: 0.080 $\pm$ 0.000 χ^2 /NDF: 778734.5/16

Left Out: 0.066 $\pm$ 0.000 χ^2 /NDF: 545883.1/16

Right Out: 0.085 $\pm$ 0.000 χ^2 /NDF: 738043.0/18

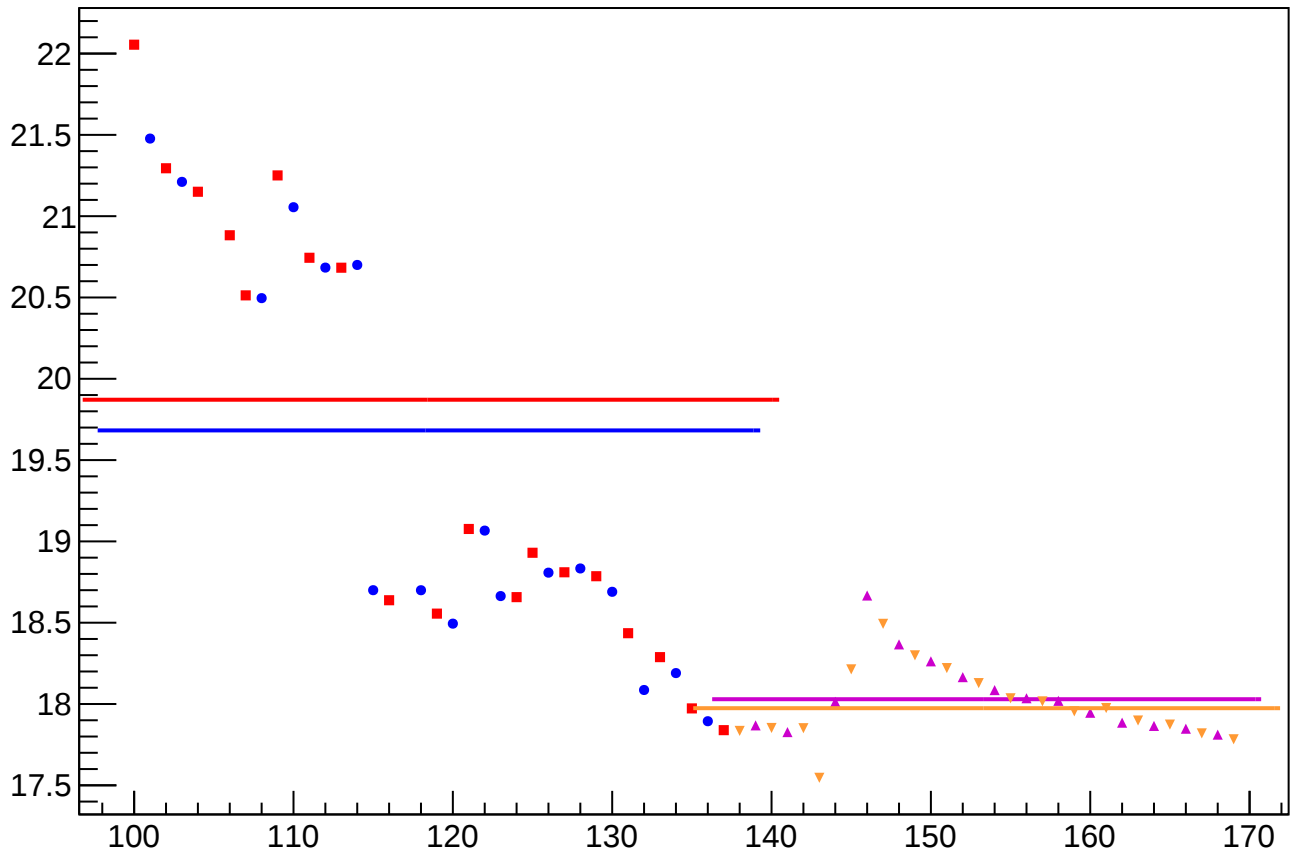
Left In: 0.067 $\pm$ 0.000 χ^2 /NDF: 445776.2/14

+ sign 0.069 $\pm$ 0.000 χ^2 /NDF: 1593618.4/33

All: 0.071 $\pm$ 0.000 χ^2 /NDF: 3190396.5/67

- sign 0.072 $\pm$ 0.000 χ^2 /NDF: 1573088.4/33

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2 /NDF: 12276801857.2/16

Left Out: 17.974+/-0.000 χ^2 /NDF: 498551256.4/16

Right Out: 19.871+/-0.000 χ^2 /NDF: 11324266794.7/18

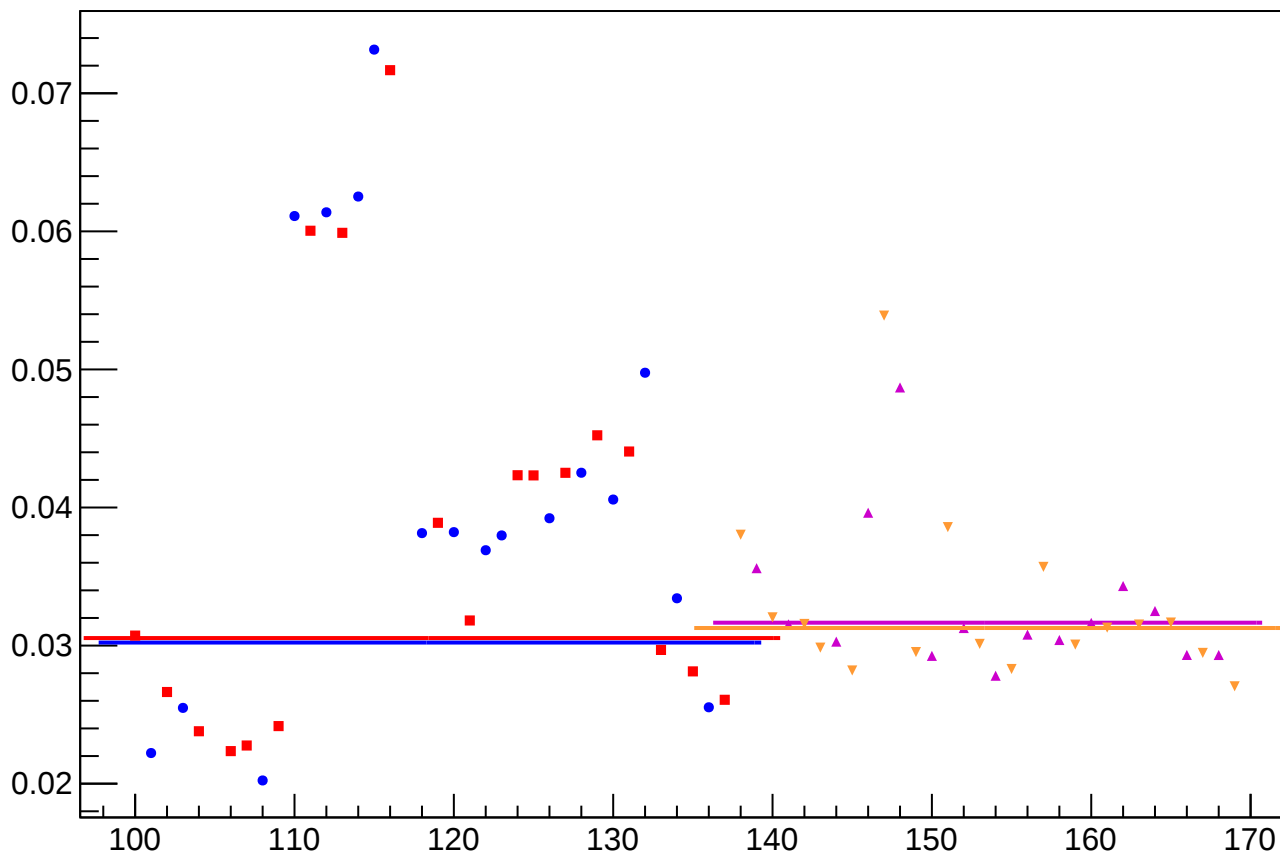
Left In: 18.030+/-0.000 χ^2 /NDF: 447082135.7/14

+ sign 18.543+/-0.000 χ^2 /NDF: 24675444669.3/33

All: 18.619+/-0.000 χ^2 /NDF: 50311562836.5

- sign 18.699+/-0.000 χ^2 /NDF: 25418362816.7/33

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.031+/-0.000 χ^2/NDF : 475577.4/16

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

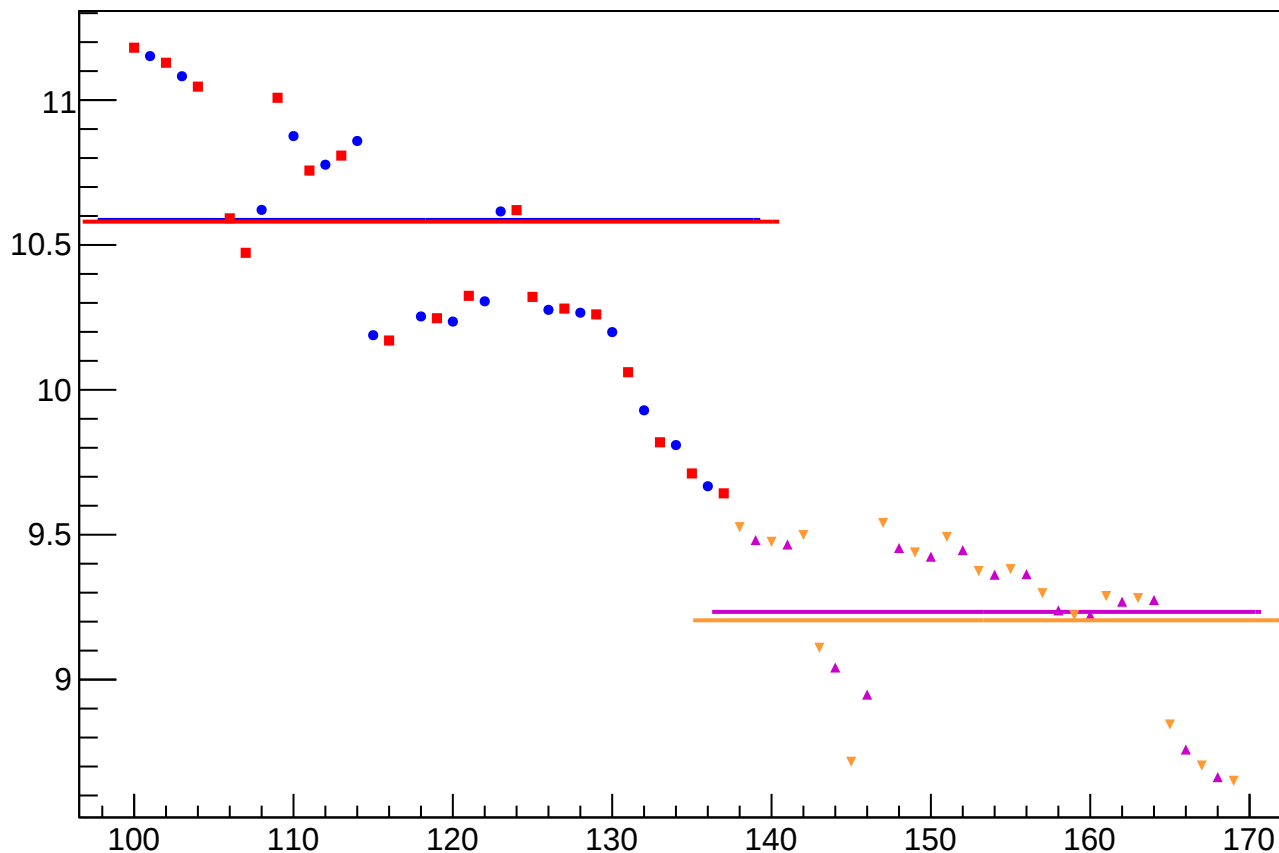
Left In: 0.032+/-0.000 χ^2/NDF : 341128.9/14

+ sign 0.031+/-0.000 χ^2/NDF : 1809133.7/33

All: 0.031+/-0.000 χ^2/NDF : 3351915.1/67

- sign 0.031+/-0.000 χ^2/NDF : 1540825.2/33

yield_sam6_mean vs Slug



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.205+/-0.000 χ^2/NDF : 2708613144.1/16

Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

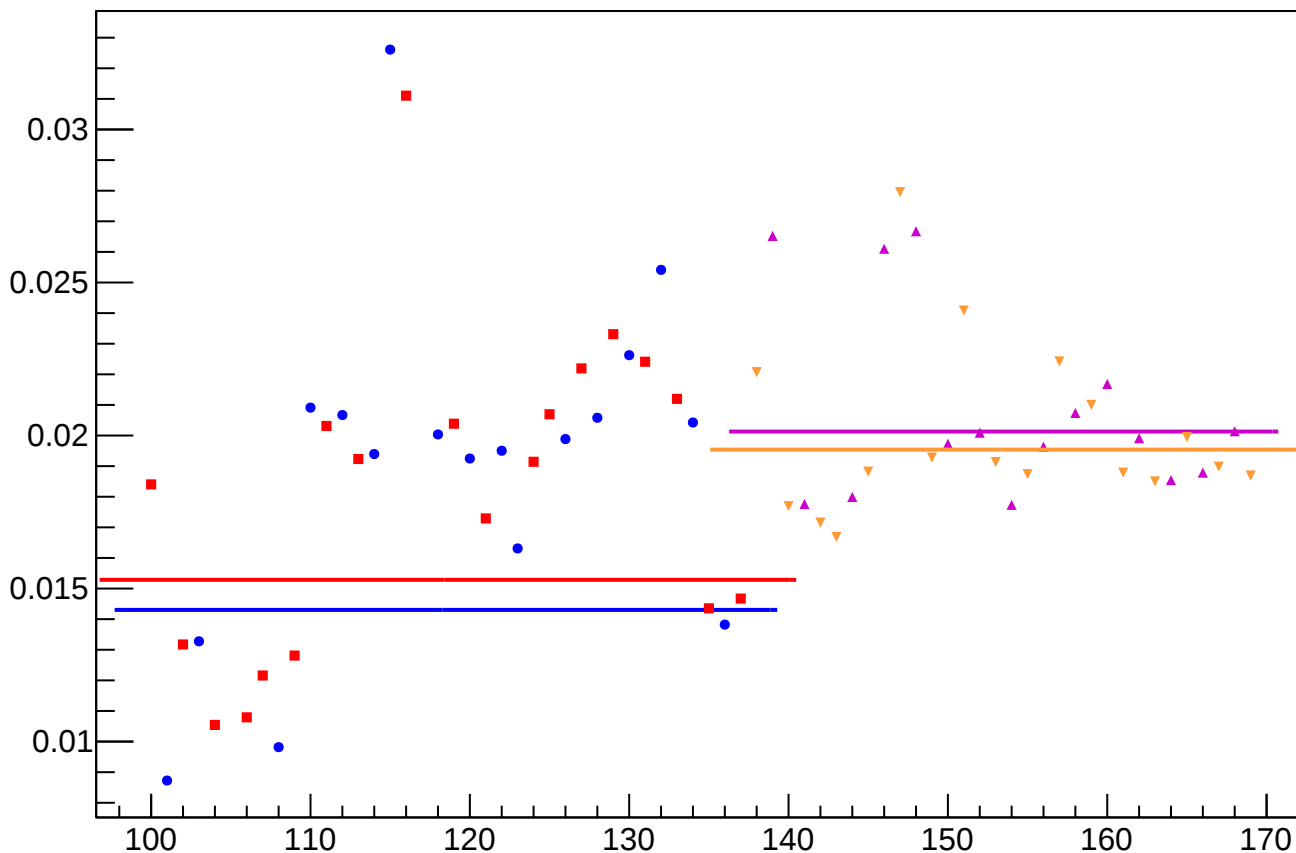
Left In: 9.234+/-0.000 χ^2/NDF : 1591561393.7/14

+ sign 9.844+/-0.000 χ^2/NDF : 36821716457.0/33

All: 9.868+/-0.000 χ^2/NDF : 67588151022.4/6

- sign 9.894+/-0.000 χ^2/NDF : 30699157300.2/33

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 319123.7/16

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

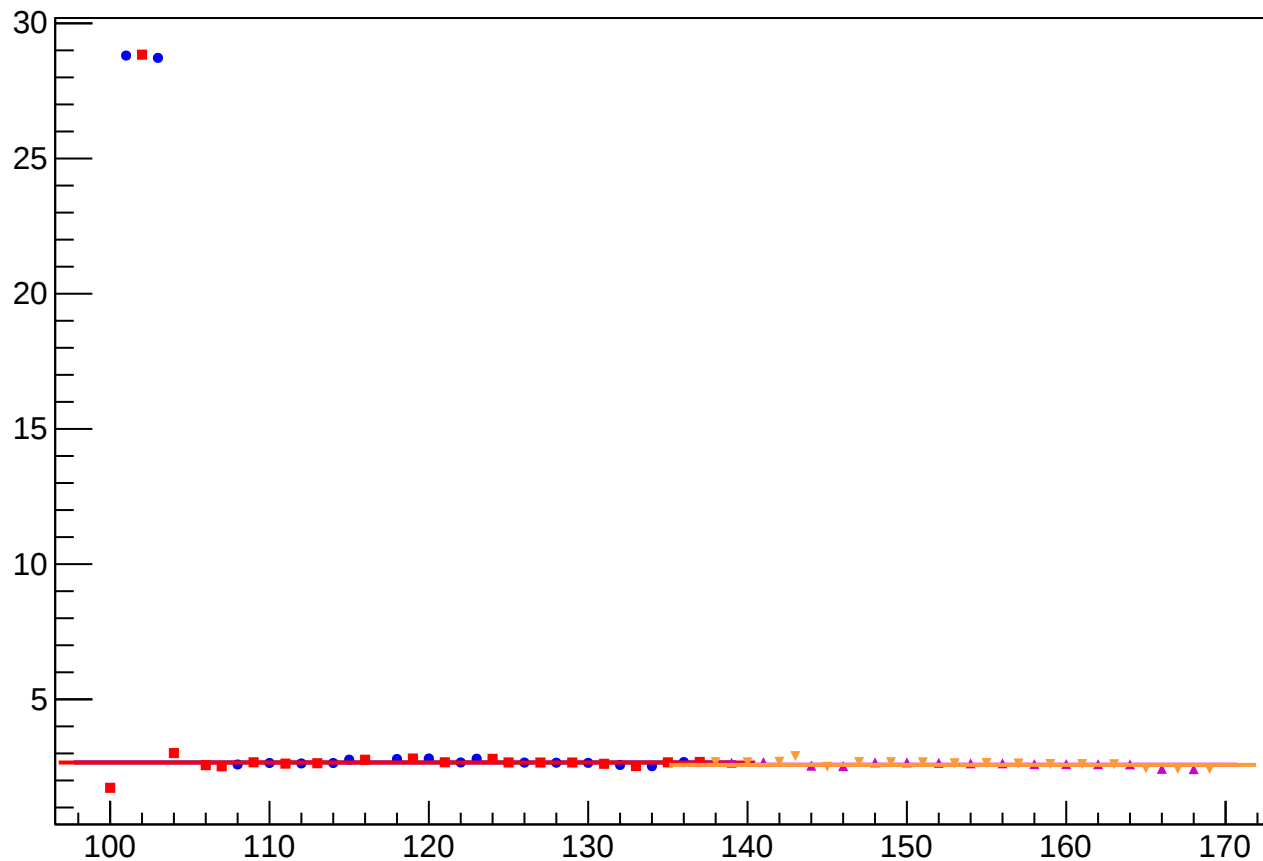
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 351419.3/14

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2494120.7/33

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4460438.4/67

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 1944403.2/33

yield_sam7_mean vs Slug



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.576 $\pm$ 0.000 χ^2 /NDF: 30519070806.8/16

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

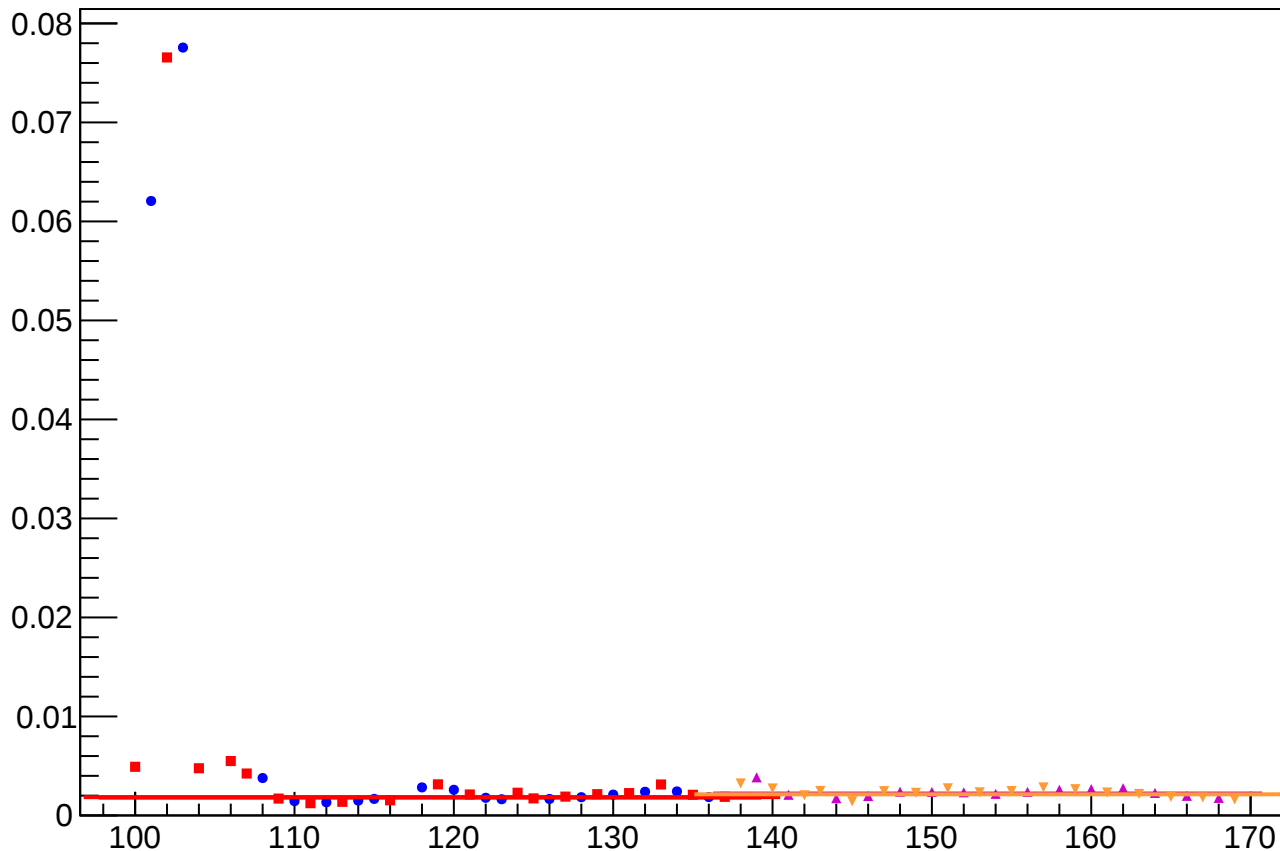
Left In: 2.582 $\pm$ 0.000 χ^2 /NDF: 14311049784.1/14

+ sign 2.610 $\pm$ 0.000 χ^2 /NDF: 200542598831.1/33

All: 2.613 $\pm$ 0.000 χ^2 /NDF: 290717965014.4

- sign 2.617 $\pm$ 0.000 χ^2 /NDF: 90093398741.5/33

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2661372.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:980289.7/16

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2331228.4/18

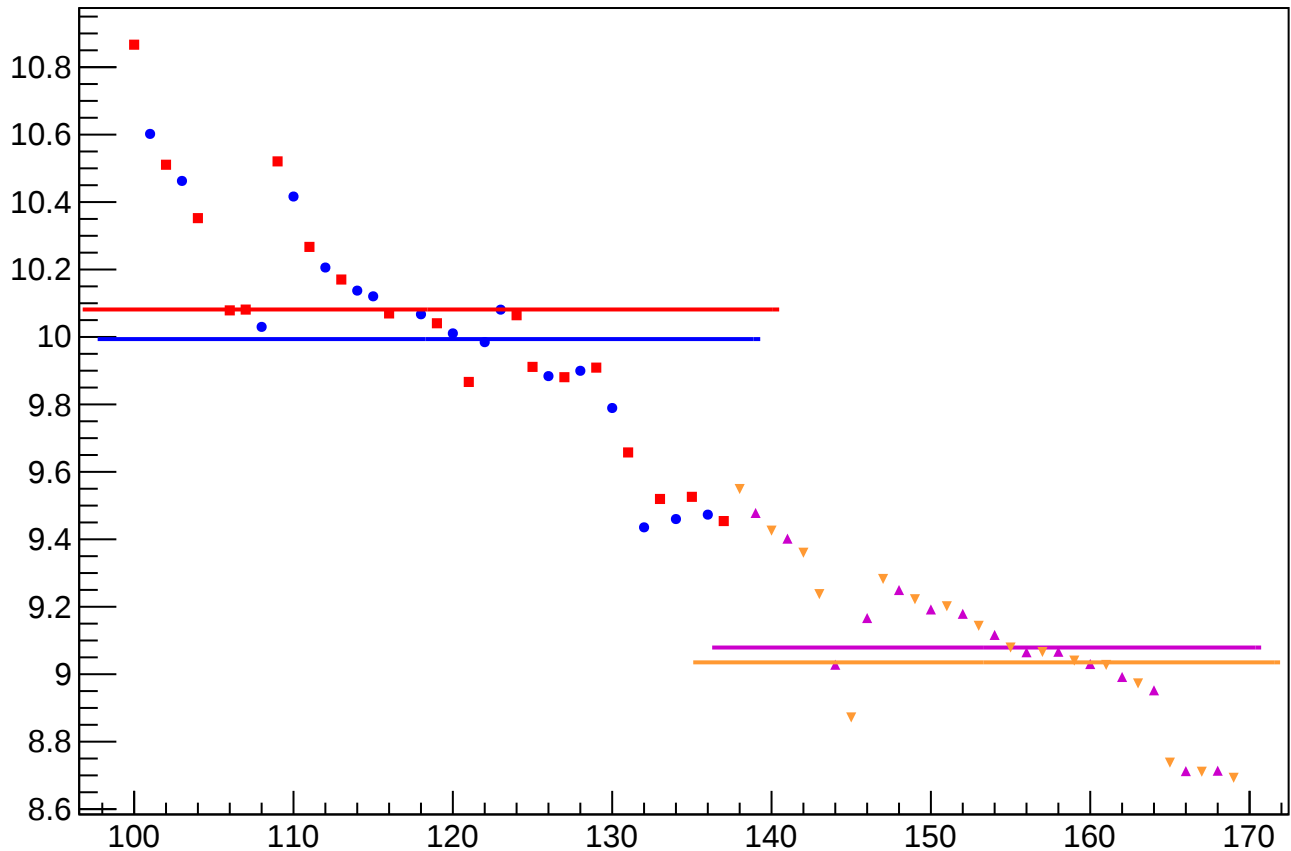
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:625646.1/14

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3811410.1/33

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6993503.5/67

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3175931.0/33

yield_sam8_mean vs Slug



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 9.035 $\pm$ 0.000 χ^2 /NDF: 13215484603.5/16

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

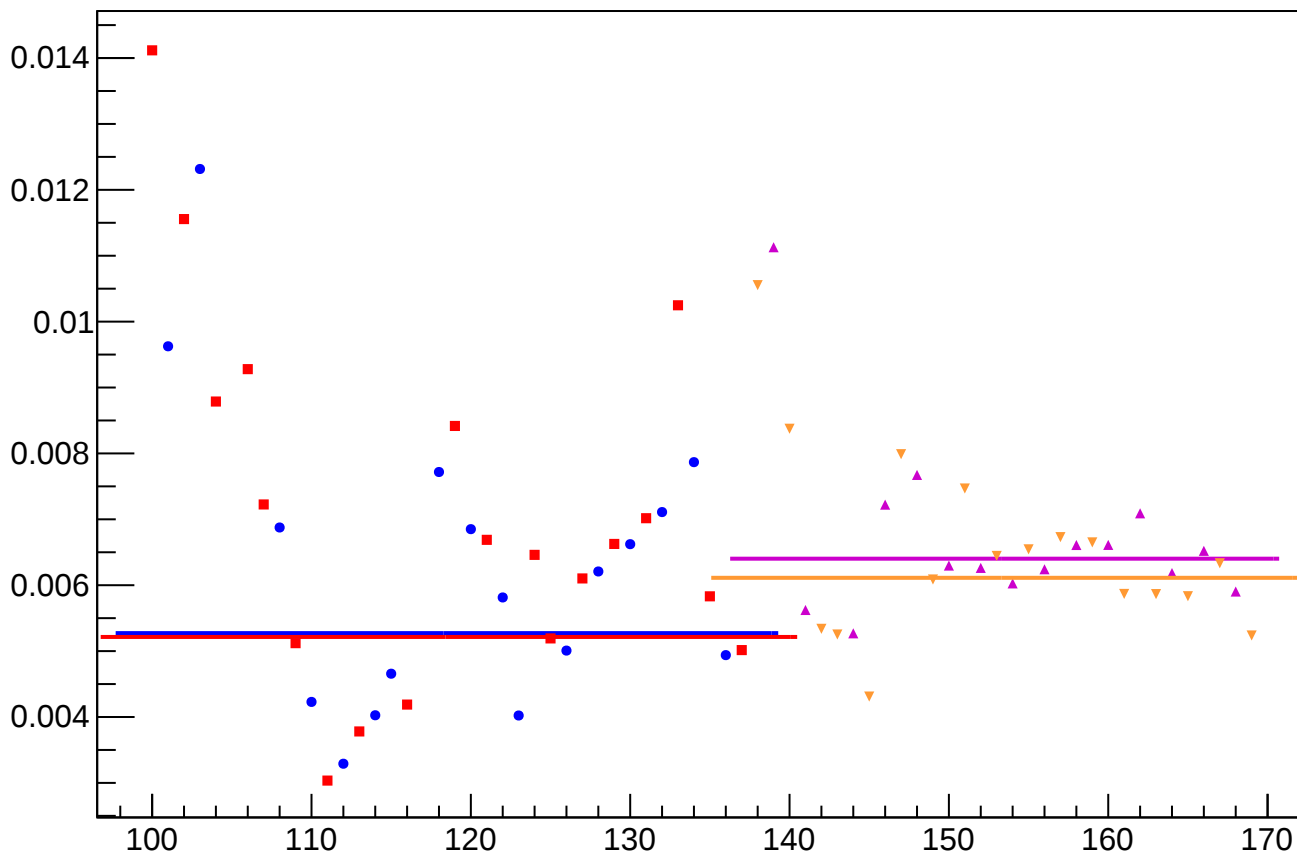
Left In: 9.079 $\pm$ 0.000 χ^2 /NDF: 8085440515.1/14

+ sign 9.418 $\pm$ 0.000 χ^2 /NDF: 131743043768.3/33

All: 9.475 $\pm$ 0.000 χ^2 /NDF: 263636045395.4

- sign 9.535 $\pm$ 0.000 χ^2 /NDF: 128945182270.0/33

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 725432.0/16

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

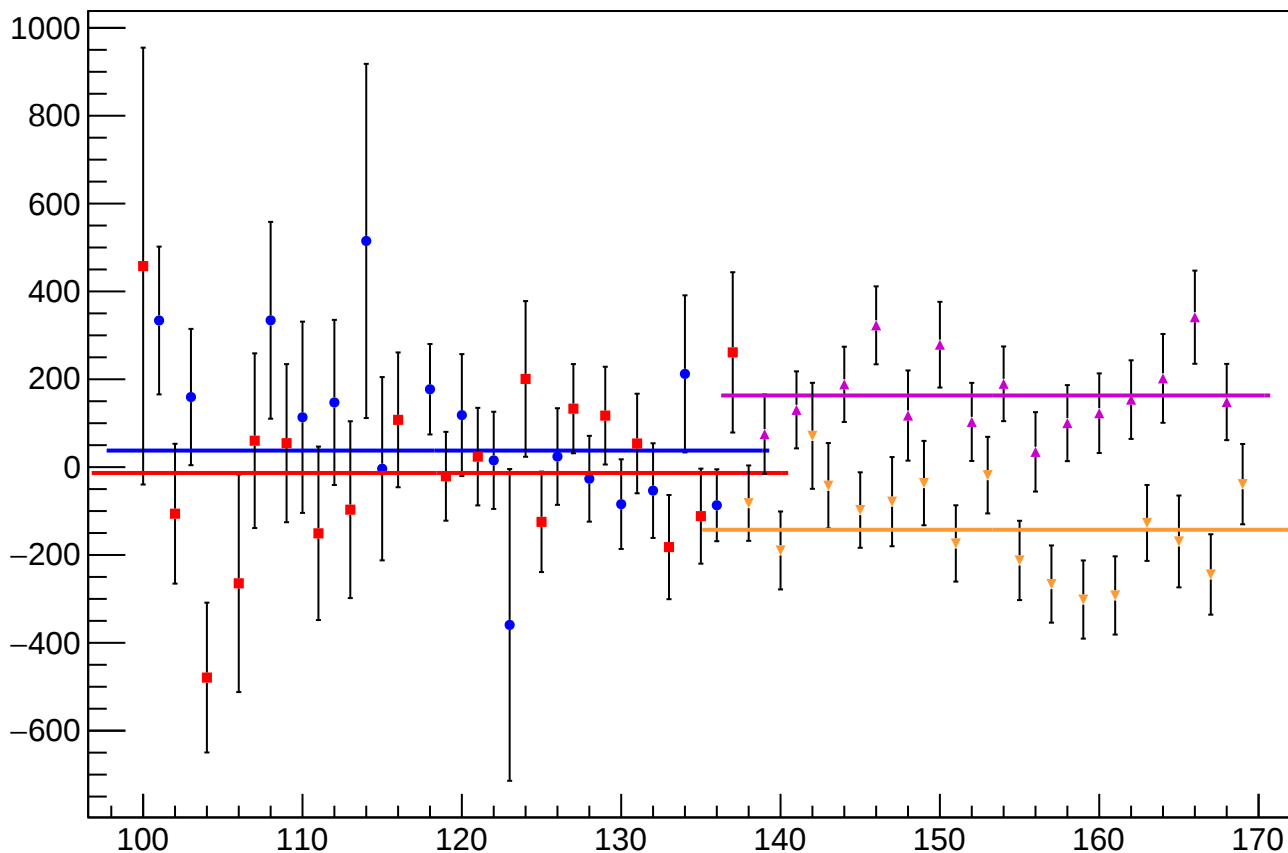
Left In: 0.006+/-0.000 χ^2/NDF : 415220.4/14

+ sign 0.006+/-0.000 χ^2/NDF : 2123904.5/33

All: 0.006+/-0.000 χ^2/NDF : 4496179.8/67

- sign 0.006+/-0.000 χ^2/NDF : 2369028.7/33

reg_asym_sam1_mean vs Slug



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -142.566 $\pm$ 22.298 χ^2 /NDF: 20.3/16

Right Out: -13.278 $\pm$ 32.066 χ^2 /NDF: 22.7/18

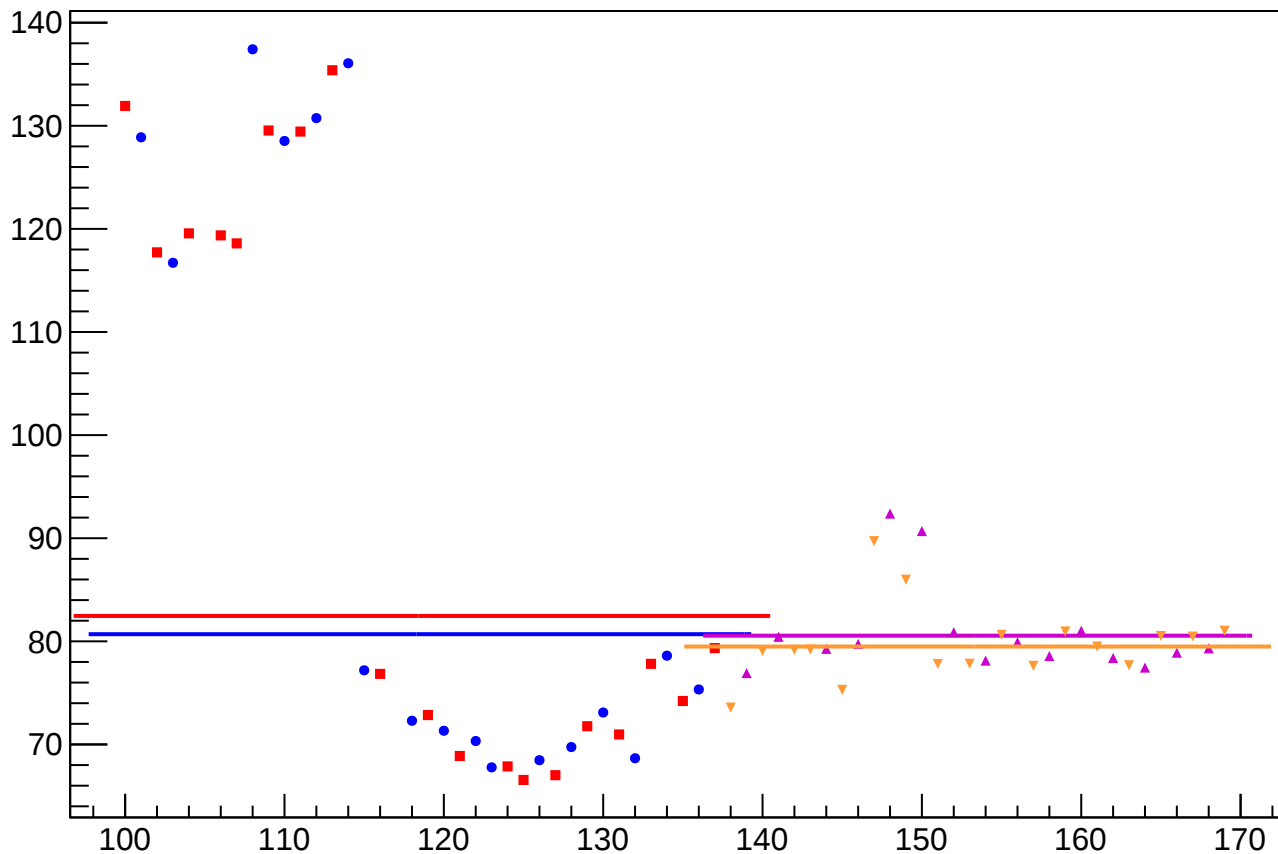
Left In: 163.128 $\pm$ 23.552 χ^2 /NDF: 12.3/14

+ sign -84.271 $\pm$ 18.342 χ^2 /NDF: 58.1/33

All: 5.339 $\pm$ 13.190 χ^2 /NDF: 162.2/67

- sign 101.313 $\pm$ 18.982 χ^2 /NDF: 54.7/33

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.496 $\pm$ 0.016 χ^2 /NDF: 48874.6/16

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

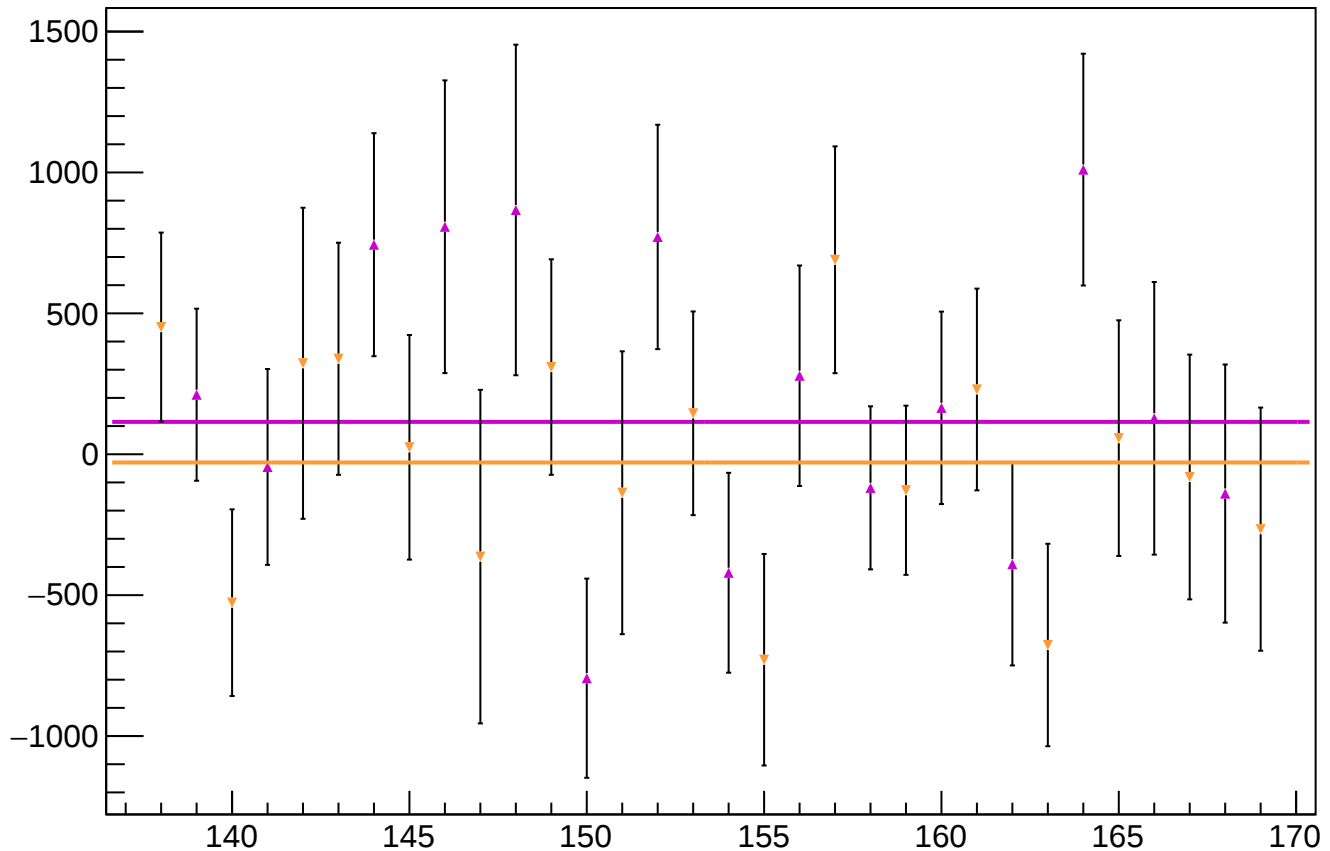
Left In: 80.548 $\pm$ 0.017 χ^2 /NDF: 58850.1/14

+ sign 79.883 $\pm$ 0.013 χ^2 /NDF: 864768.9/33

All: 80.529 $\pm$ 0.009 χ^2 /NDF: 1848255.8/67

- sign 81.219 $\pm$ 0.013 χ^2 /NDF: 978363.1/33

asym_sam1_correction_mean vs Slug



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

Left Out: -29.141+/-94.867 χ^2/NDF : 17.8/16

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

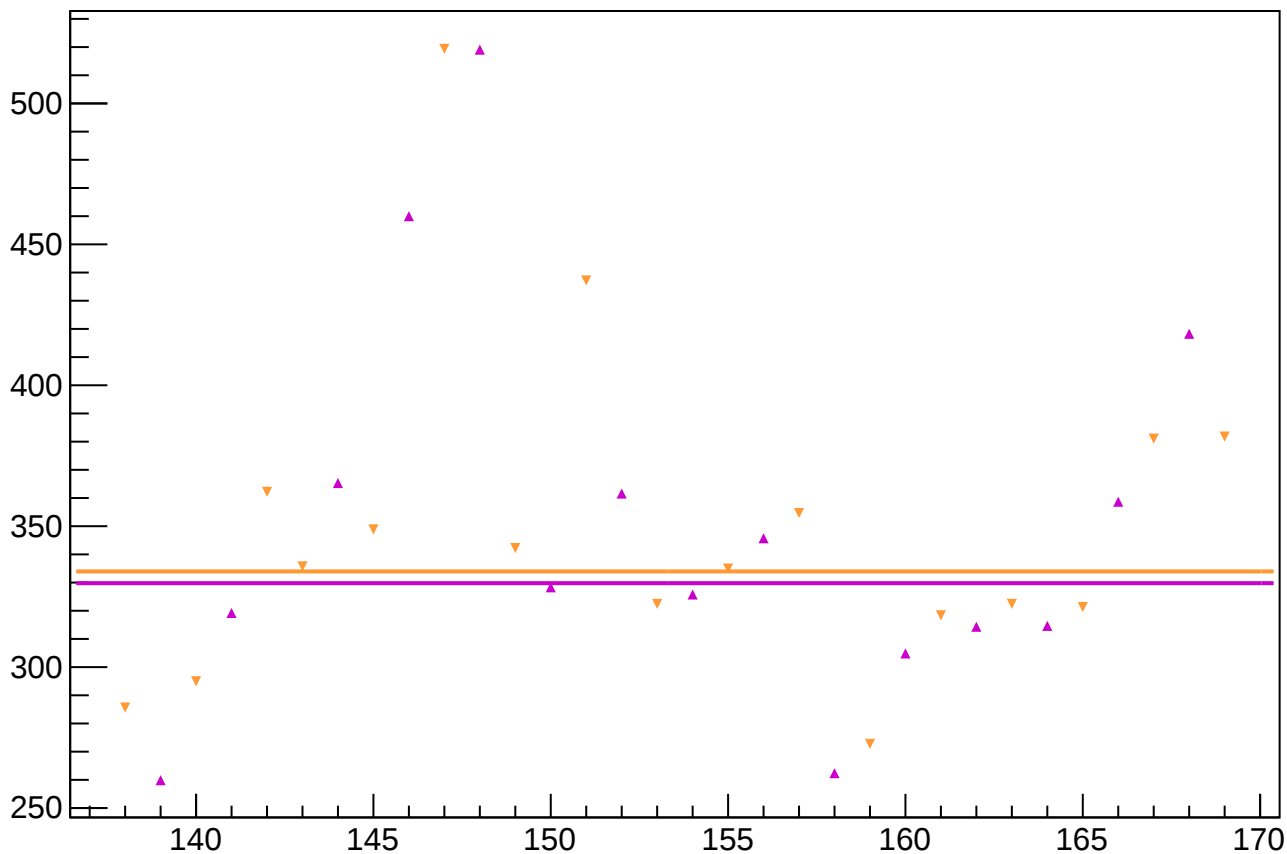
Left In: 114.885+/-98.046 χ^2/NDF : 25.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 40.499+/-68.177 χ^2/NDF : 44.7/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam1_correction_rms vs Slug



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

Left Out: 333.955+/-0.067 χ^2/NDF : 505326.9/16

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

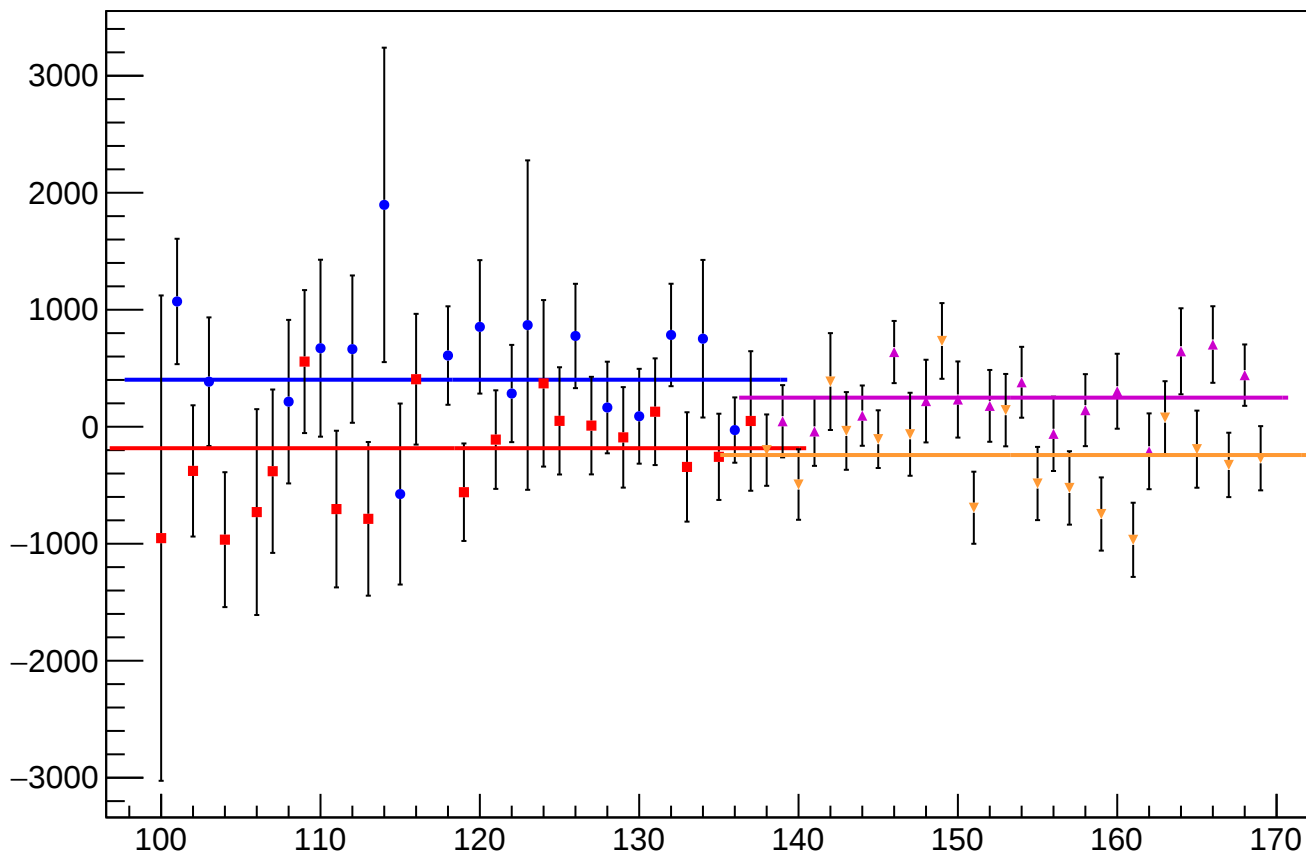
Left In: 329.786+/-0.069 χ^2/NDF : 680670.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 331.939+/-0.048 χ^2/NDF : 1187865.1/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam2_mean vs Slug



Right In: 401.871 ± 121.048 χ^2/NDF : 10.9/16

Left Out: -241.868 ± 74.927 χ^2/NDF : 27.1/16

Right Out: -183.481 ± 120.338 χ^2/NDF : 9.3/18

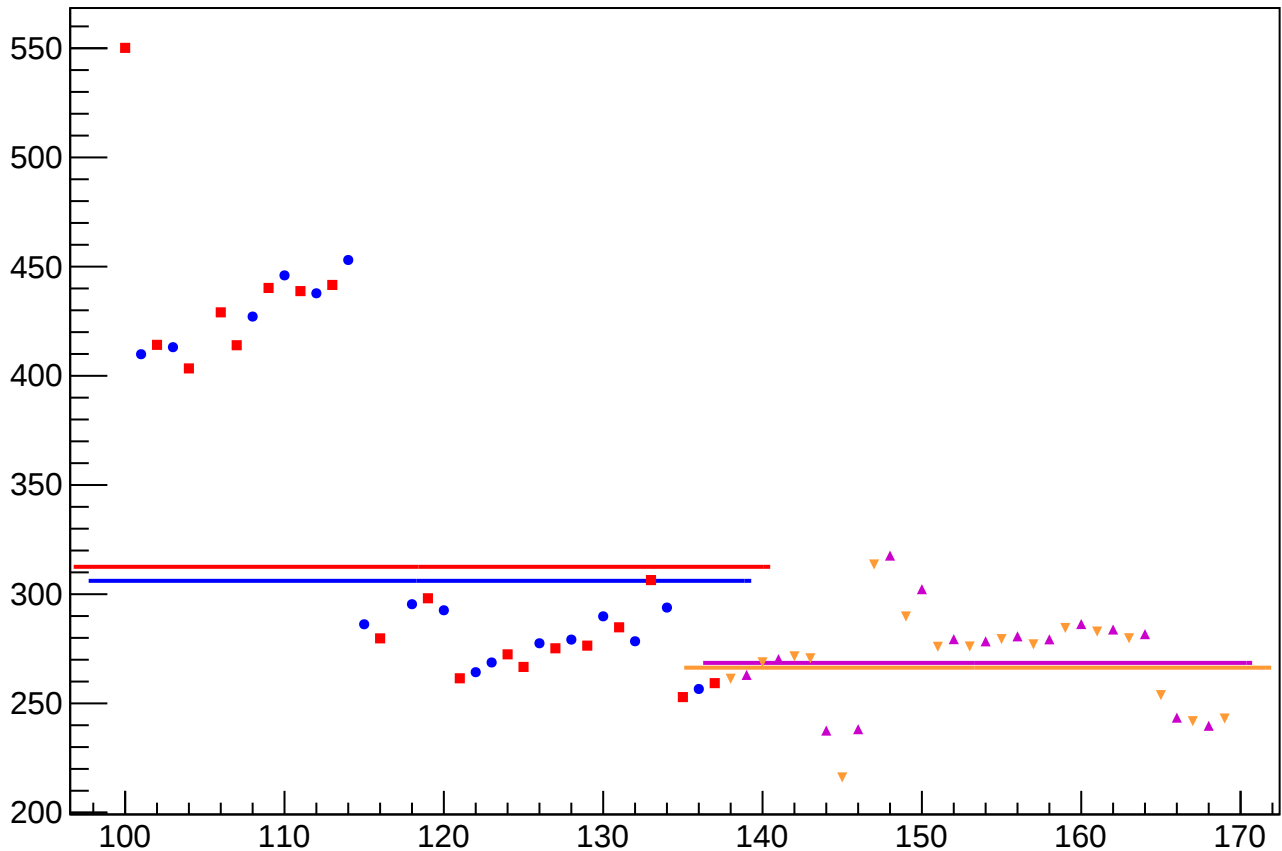
Left In: 248.607 ± 78.758 χ^2/NDF : 10.9/14

+ sign -63.547 ± 63.709 χ^2/NDF : 58.5/33

All: 24.657 ± 45.804 χ^2/NDF : 91.7/67

- sign 119.030 ± 65.899 χ^2/NDF : 29.2/33

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 266.359+/-0.053 χ^2/NDF : 189172.8/16

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

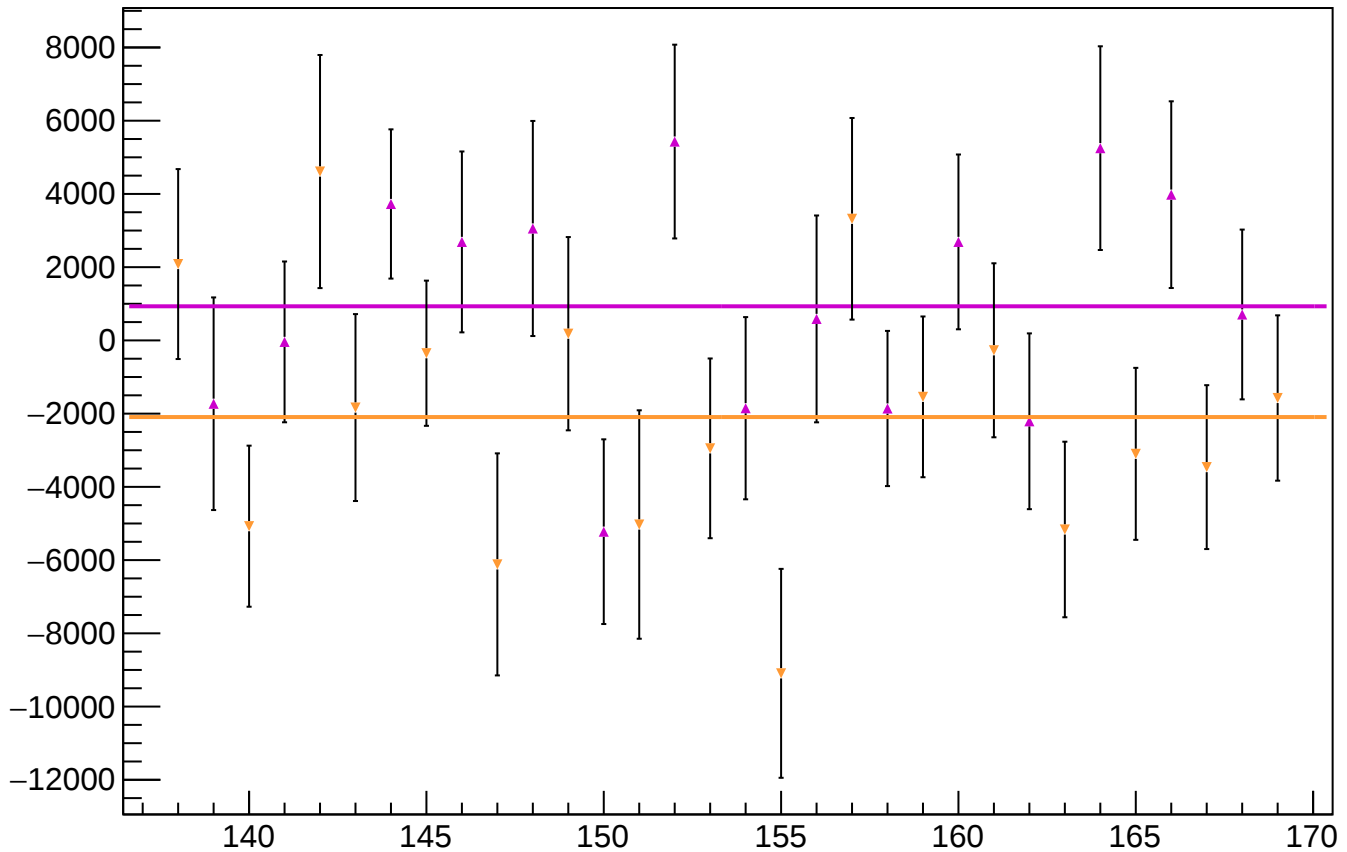
Left In: 268.548+/-0.056 χ^2/NDF : 174980.1/14

+ sign 277.374+/-0.045 χ^2/NDF : 853650.9/33

All: 279.484+/-0.032 χ^2/NDF : 1846091.0/67

- sign 281.741+/-0.047 χ^2/NDF : 987899.6/33

asym_sam2_correction_mean vs Slug



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

Left Out: -2093.406+/-600.443 χ^2/NDF : 26.0/16

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

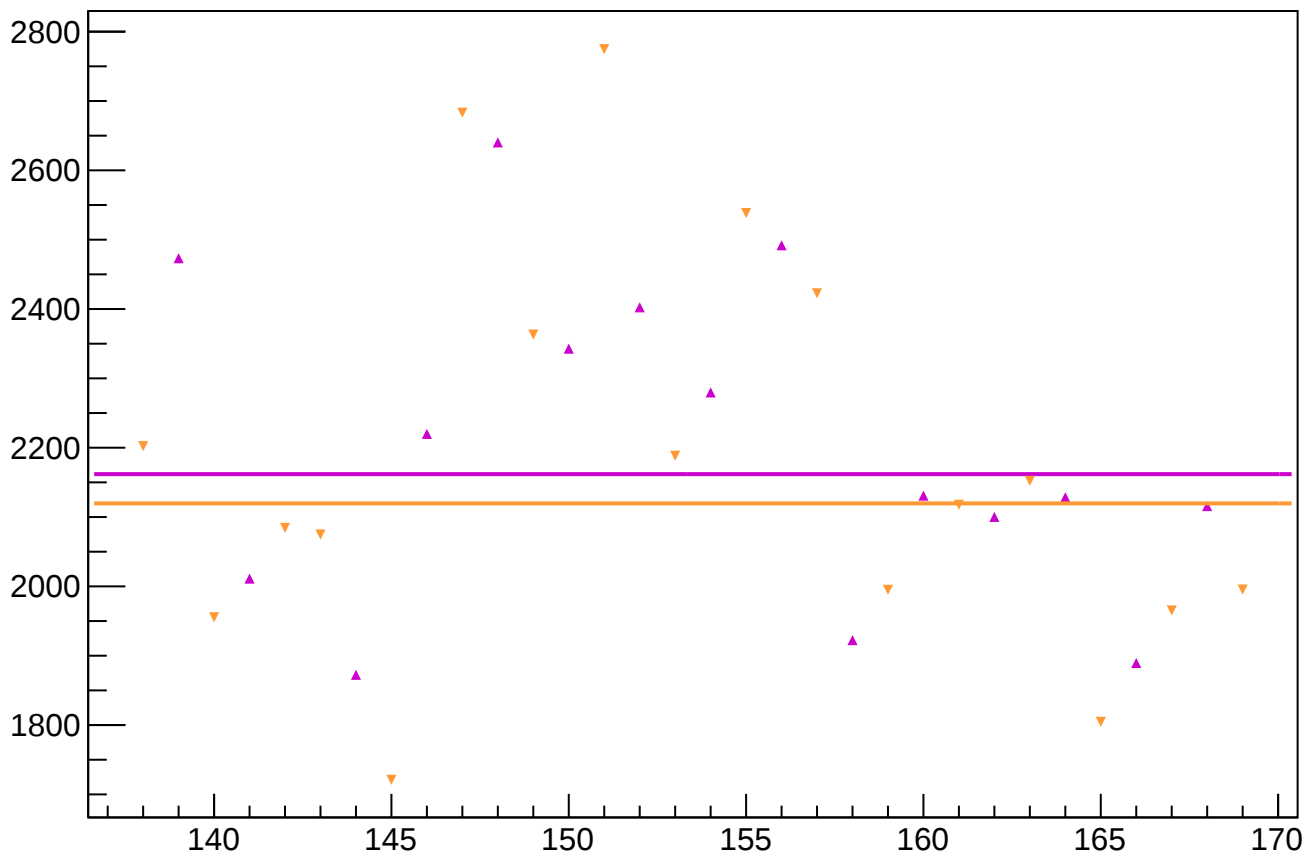
Left In: 931.431+/-635.709 χ^2/NDF : 21.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -667.210+/-436.512 χ^2/NDF : 59.8/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam2_correction_rms vs Slug



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

Left Out: 2119.681+/-0.425 χ^2/NDF : 396404.9/16

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

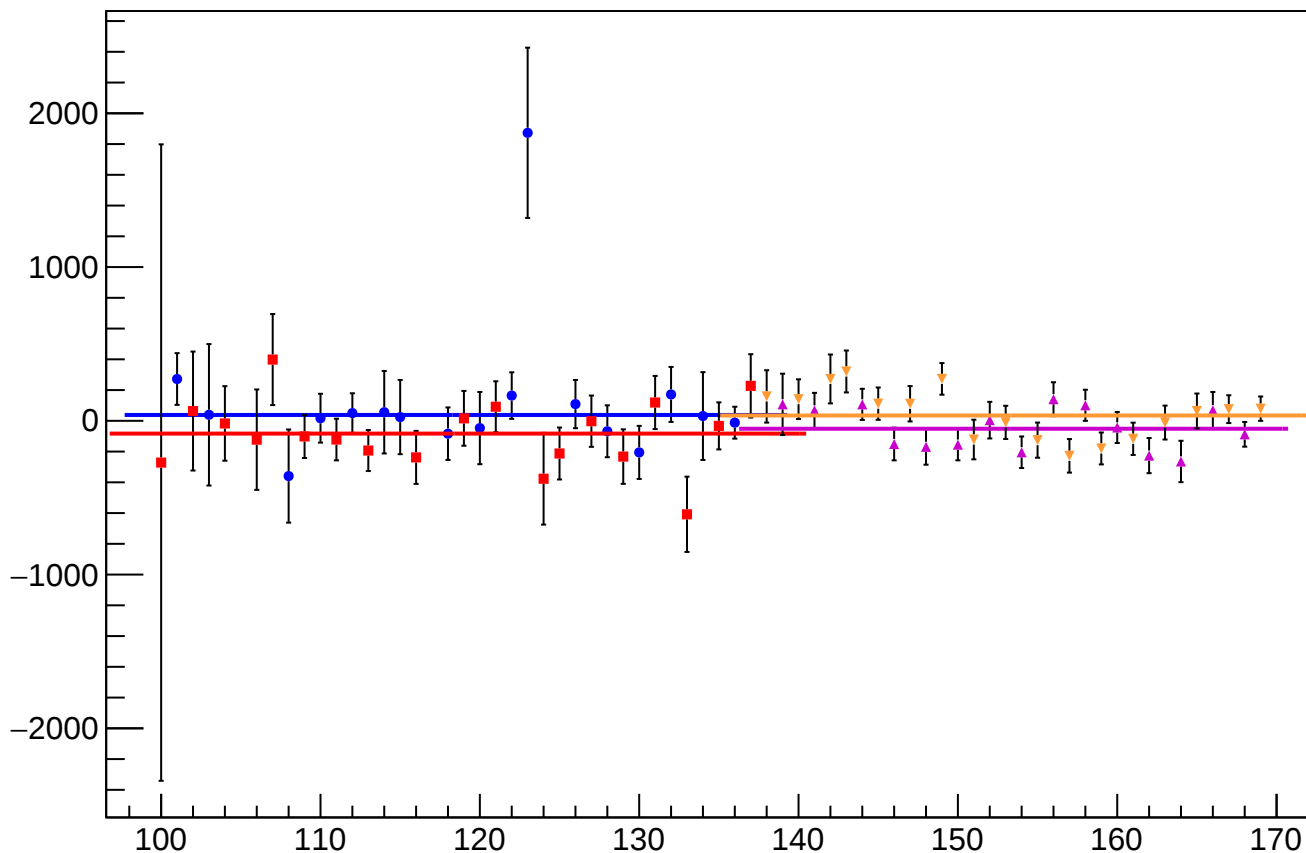
Left In: 2161.876+/-0.450 χ^2/NDF : 236642.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2139.576+/-0.309 χ^2/NDF : 637704.3/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_mean vs Slug



Right In: 38.126 ± 43.548 χ^2/NDF : 19.4/16

Left Out: 34.689 ± 26.917 χ^2/NDF : 30.7/16

Right Out: -83.101 ± 43.098 χ^2/NDF : 16.7/18

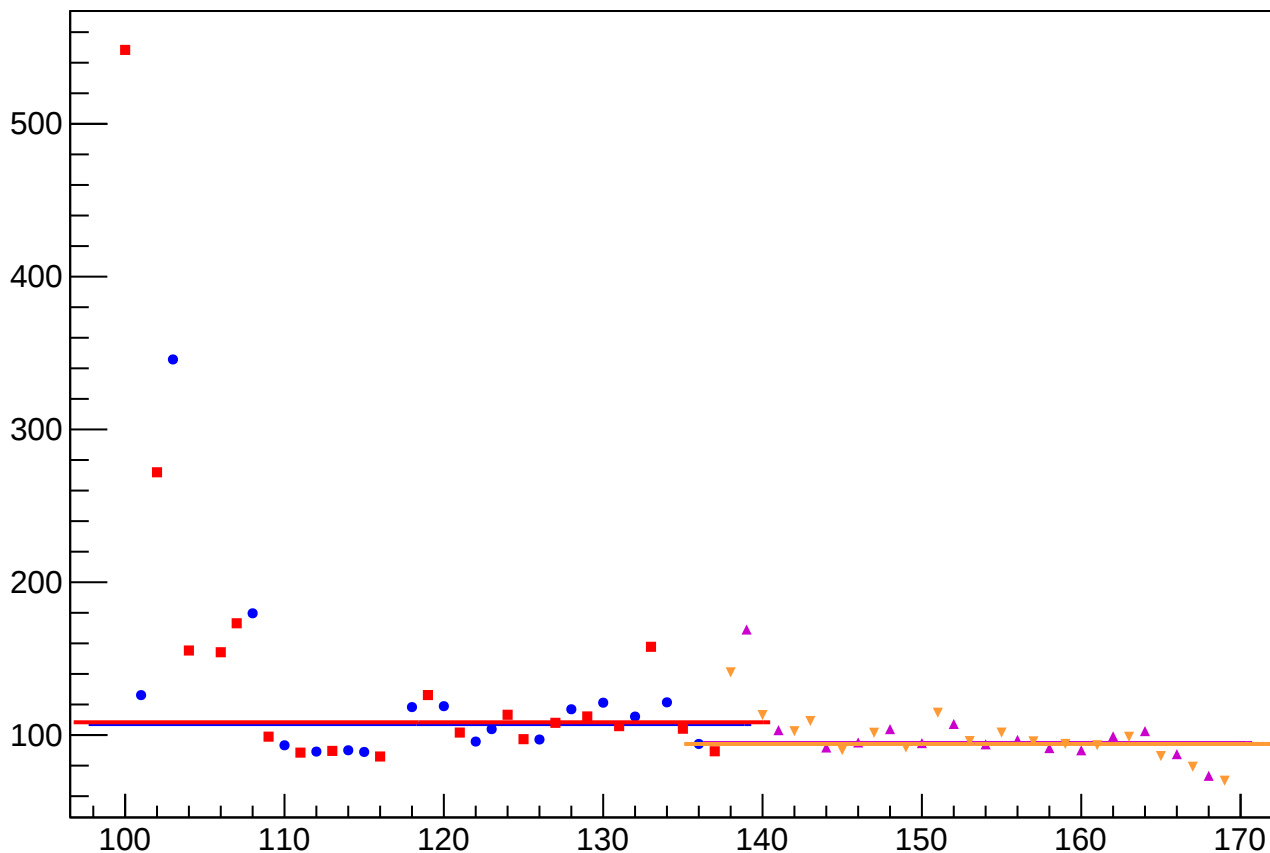
Left In: -51.511 ± 28.186 χ^2/NDF : 20.9/14

+ sign 35.639 ± 22.896 χ^2/NDF : 50.1/33

All: -11.228 ± 16.430 χ^2/NDF : 96.8/67

- sign -60.974 ± 23.589 χ^2/NDF : 38.0/33

reg_asym_sam3_rms vs Slug



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 94.176 $\pm$ 0.019 χ^2 /NDF: 548011.6/16

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

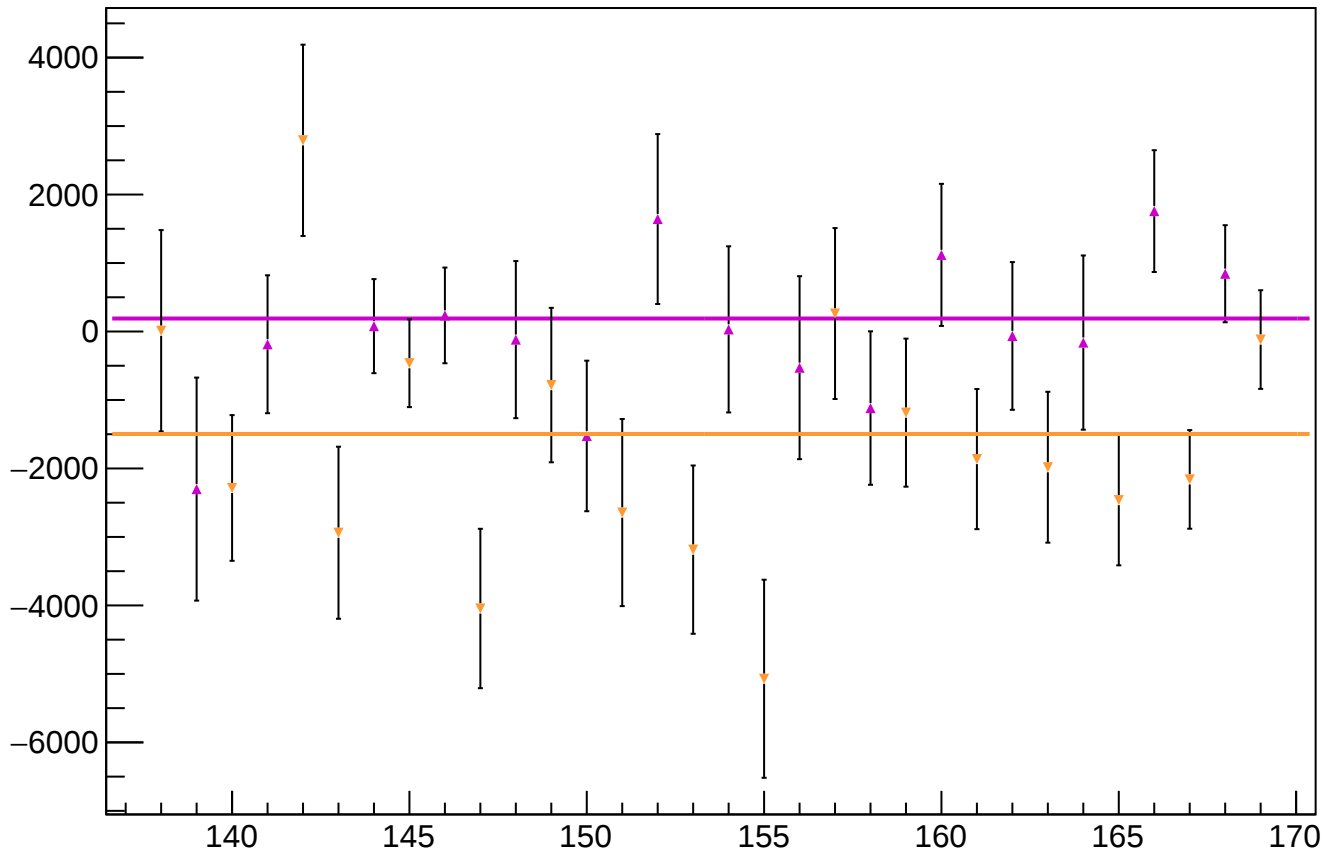
Left In: 94.820 $\pm$ 0.020 χ^2 /NDF: 491588.5/14

+ sign 97.773 $\pm$ 0.016 χ^2 /NDF: 1520351.5/33

All: 98.308 $\pm$ 0.012 χ^2 /NDF: 3069714.2/67

- sign 98.876 $\pm$ 0.017 χ^2 /NDF: 1547110.4/33

asym_sam3_correction_mean vs Slug



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

Left Out: -1496.551 $\pm$ 247.226 χ^2 /NDF:36.8/16

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

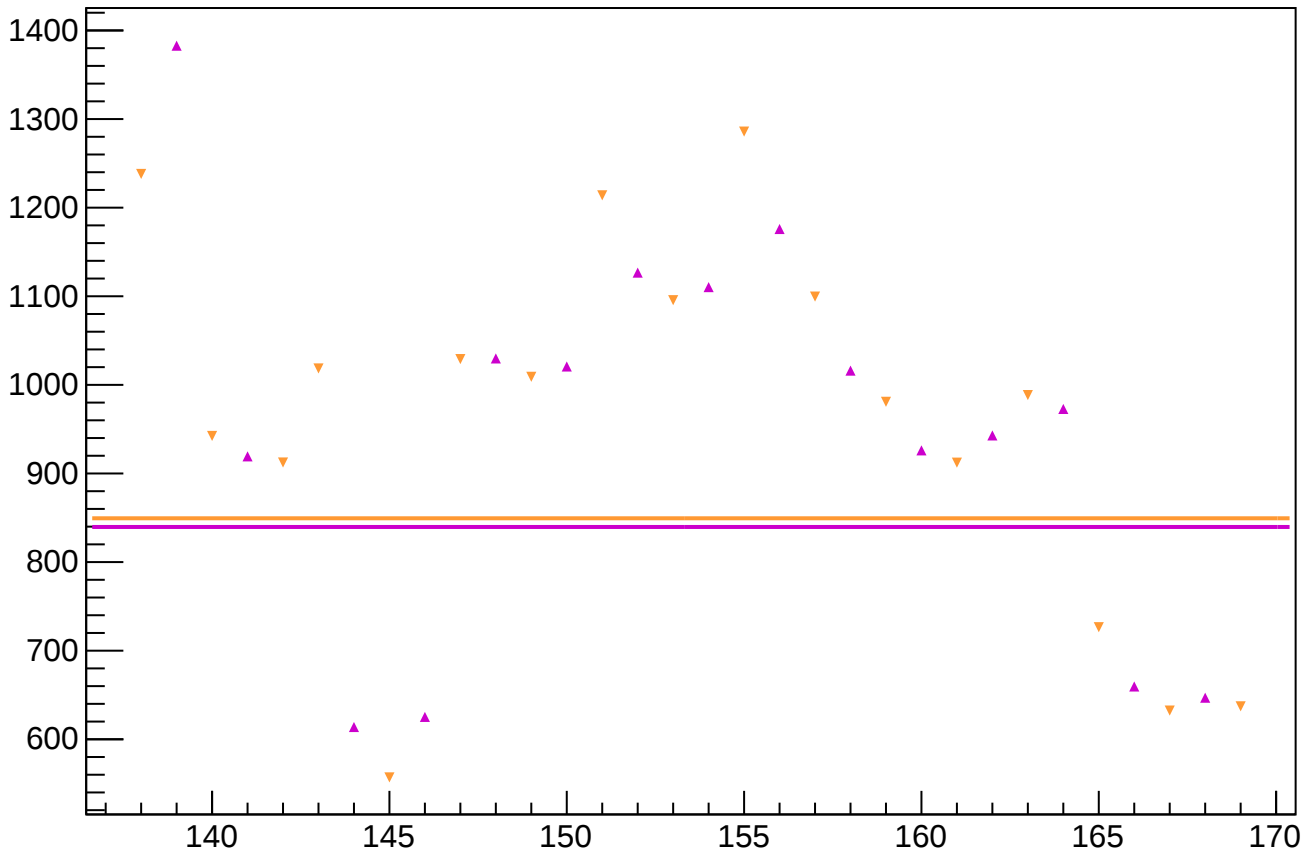
Left In: 189.625 $\pm$ 254.273 χ^2 /NDF:13.0/14

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

All: -677.151 $\pm$ 177.254 χ^2 /NDF: 72.3/31

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

asym_sam3_correction_rms vs Slug



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

Left Out: 849.426+/-0.175 χ^2/NDF :1641968.5/16

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

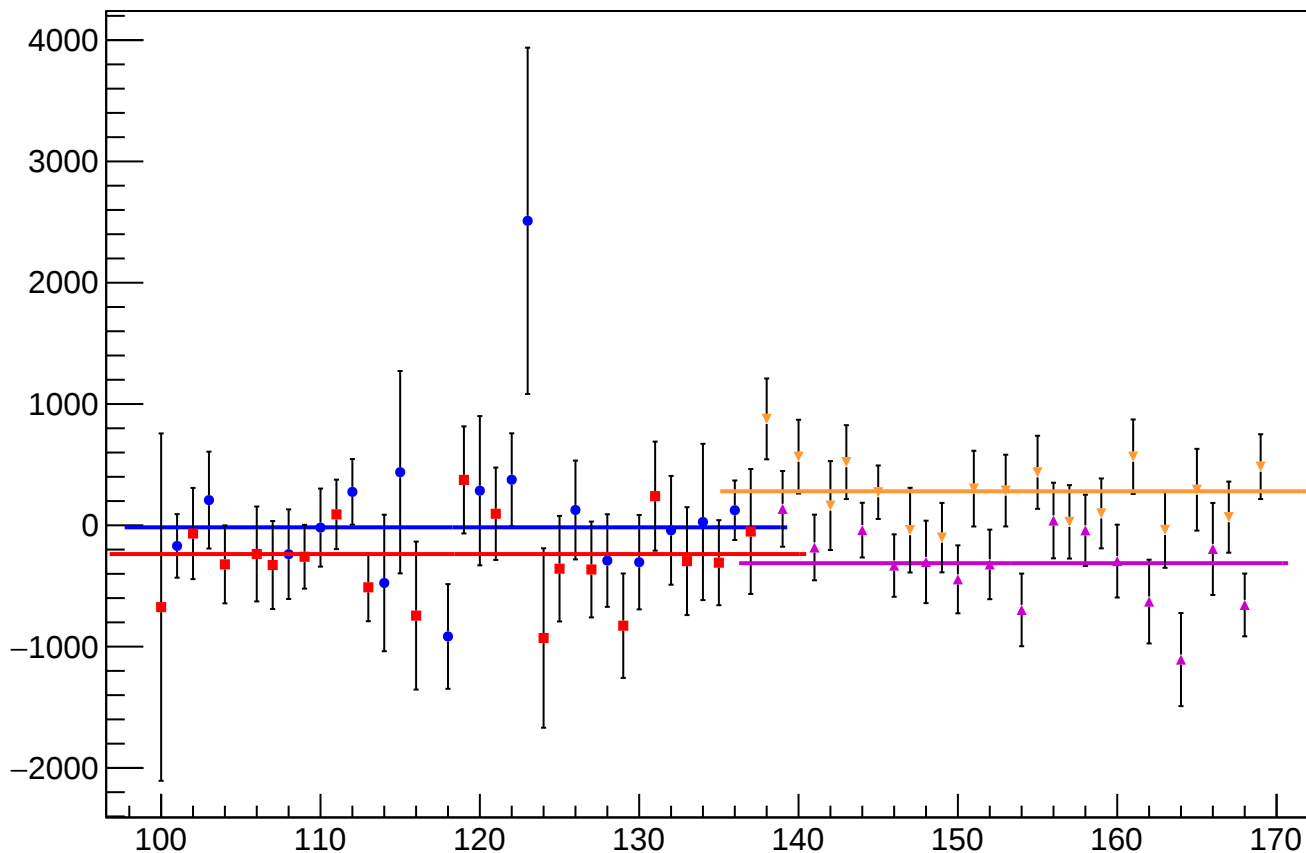
Left In: 839.622+/-0.180 χ^2/NDF :1415646.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 844.662+/-0.125 χ^2/NDF : 3059143.5/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 280.855 ± 72.553 χ^2/NDF : 11.8/16

Right Out: -236.984 ± 88.937 χ^2/NDF : 10.3/18

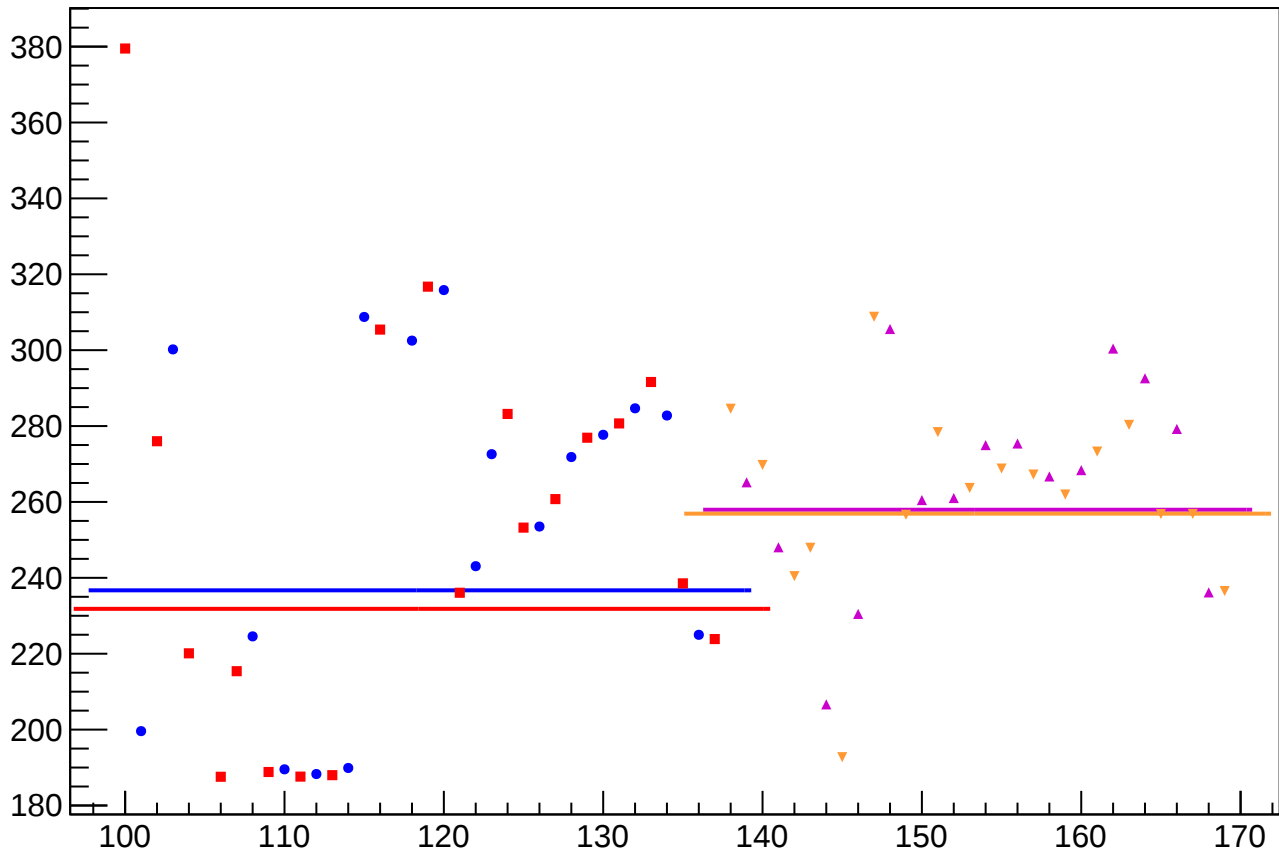
Left In: -312.254 ± 75.923 χ^2/NDF : 14.8/14

+ sign 168.793 ± 57.270 χ^2/NDF : 31.6/33

All: -54.015 ± 40.663 χ^2/NDF : 87.6/67

- sign -280.523 ± 57.744 χ^2/NDF : 25.5/33

reg_asym_sam4_rms vs Slug



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 256.912+/-0.051 χ^2/NDF : 281733.2/16

Right Out: 231.828+/-0.063 χ^2/NDF : 443276.3/18

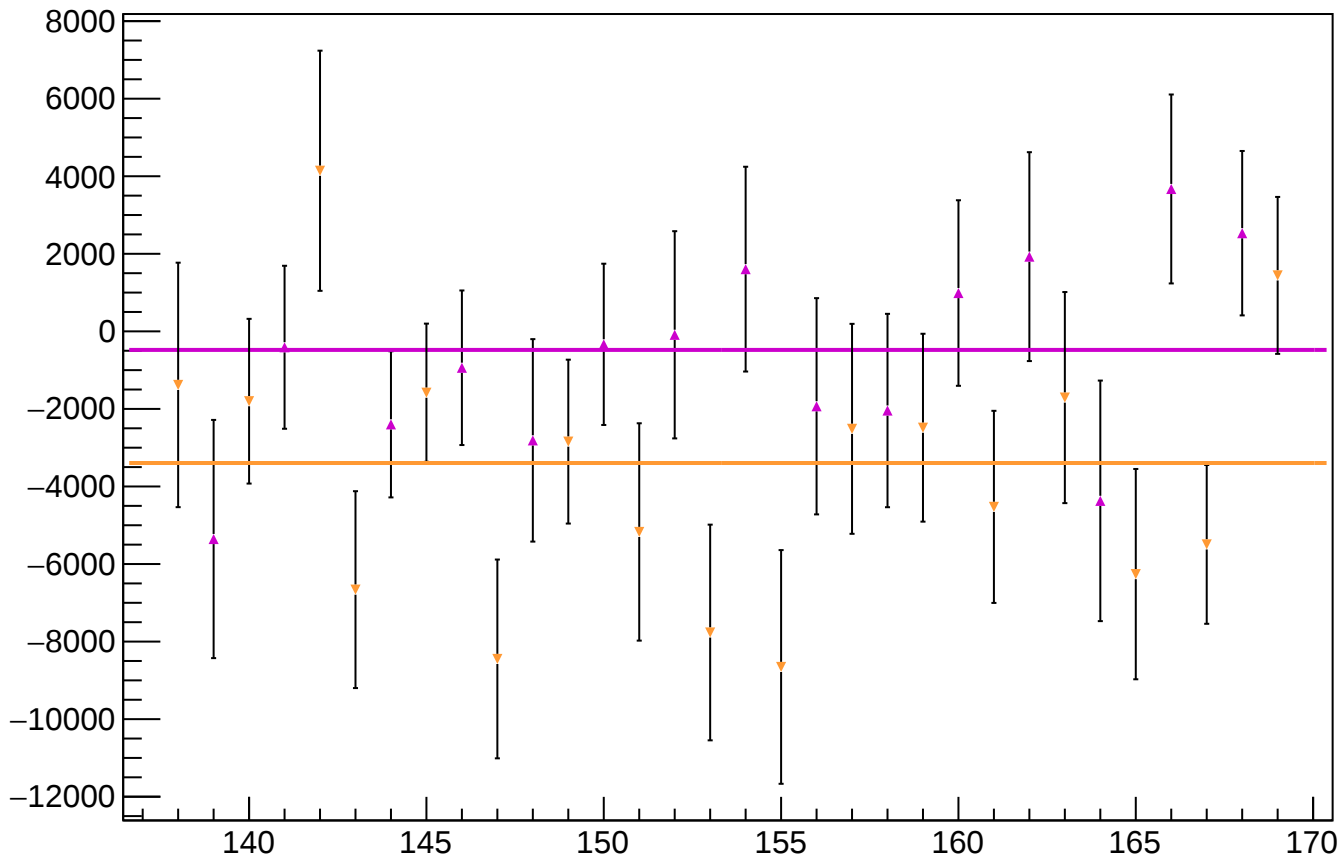
Left In: 257.943+/-0.054 χ^2/NDF : 253754.2/14

+ sign 249.296+/-0.040 χ^2/NDF : 730543.8/33

All: 248.125+/-0.029 χ^2/NDF : 1529008.2/67

- sign 246.934+/-0.041 χ^2/NDF : 796777.9/33

asym_sam4_correction_mean vs Slug



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

Left Out: -3394.712+/-590.971 χ^2/NDF : 28.2/16

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

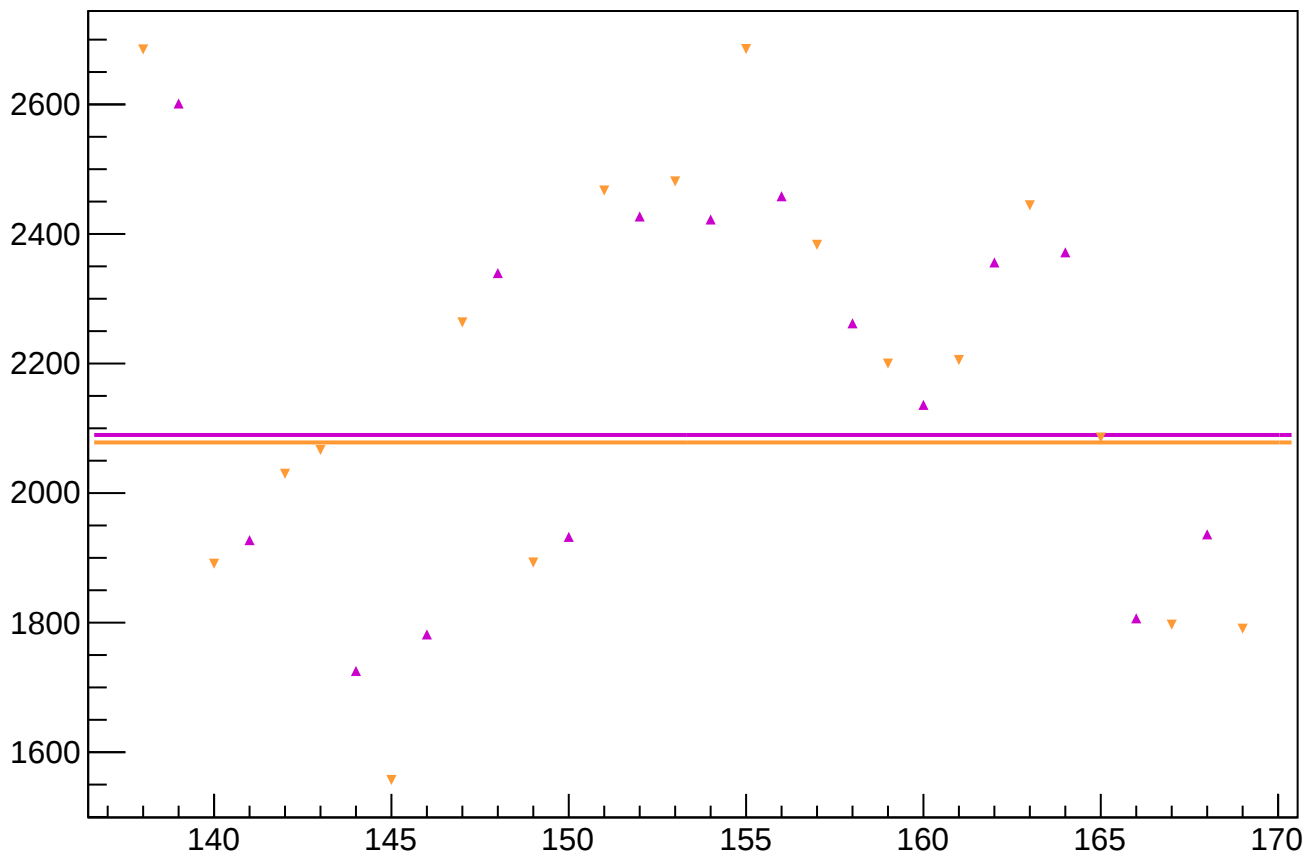
Left In: -478.421+/-617.263 χ^2/NDF : 13.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1999.998+/-426.872 χ^2/NDF : 53.2/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam4_correction_rms vs Slug



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

Left Out: 2078.161+/-0.418 χ^2/NDF : 598838.4/16

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

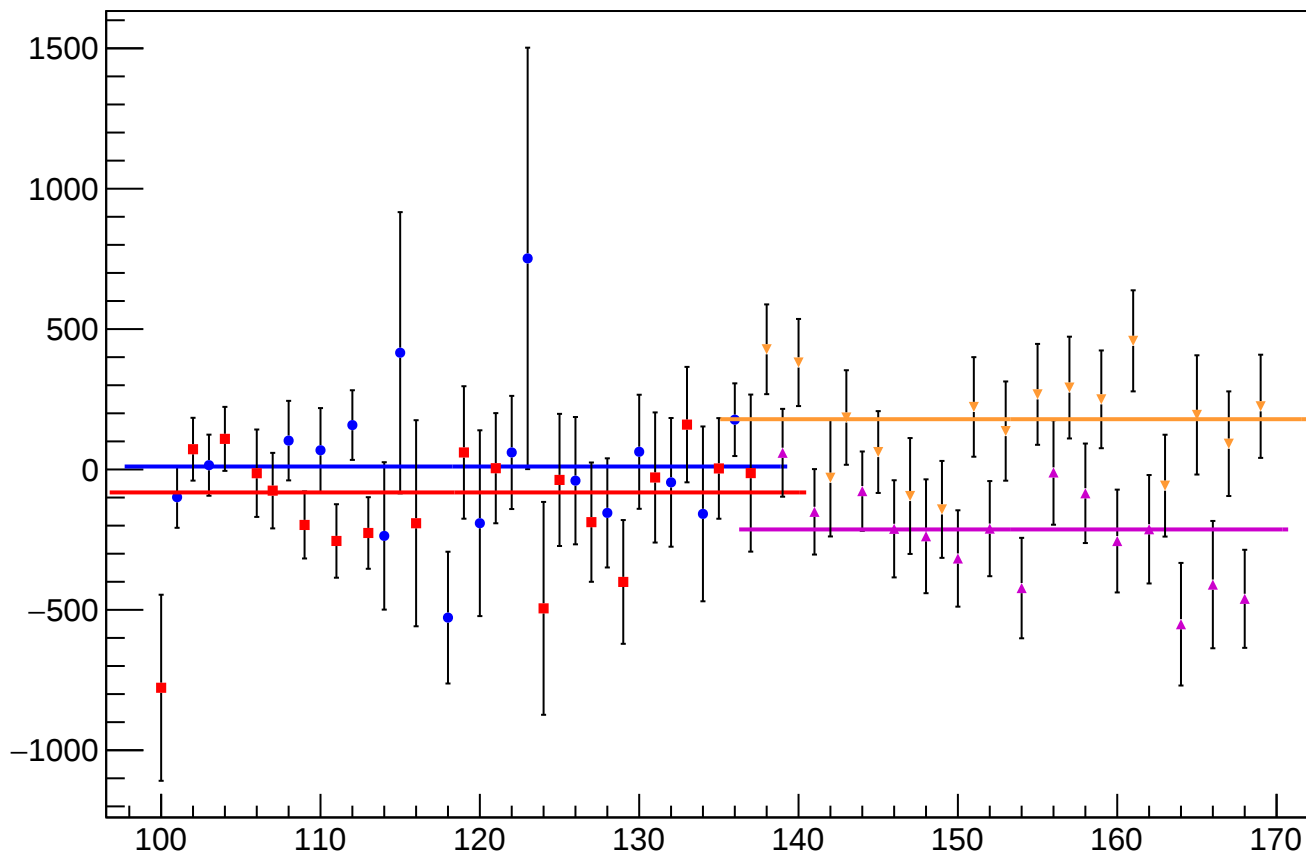
Left In: 2089.717+/-0.436 χ^2/NDF : 402238.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2083.687+/-0.302 χ^2/NDF : 1001442.4/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 $\chi^2/\text{NDF}: 14.1/16$

Left Out: 179.068 ± 42.914 $\chi^2/\text{NDF}: 16.3/16$

Right Out: -81.802 ± 38.985 $\chi^2/\text{NDF}: 19.2/18$

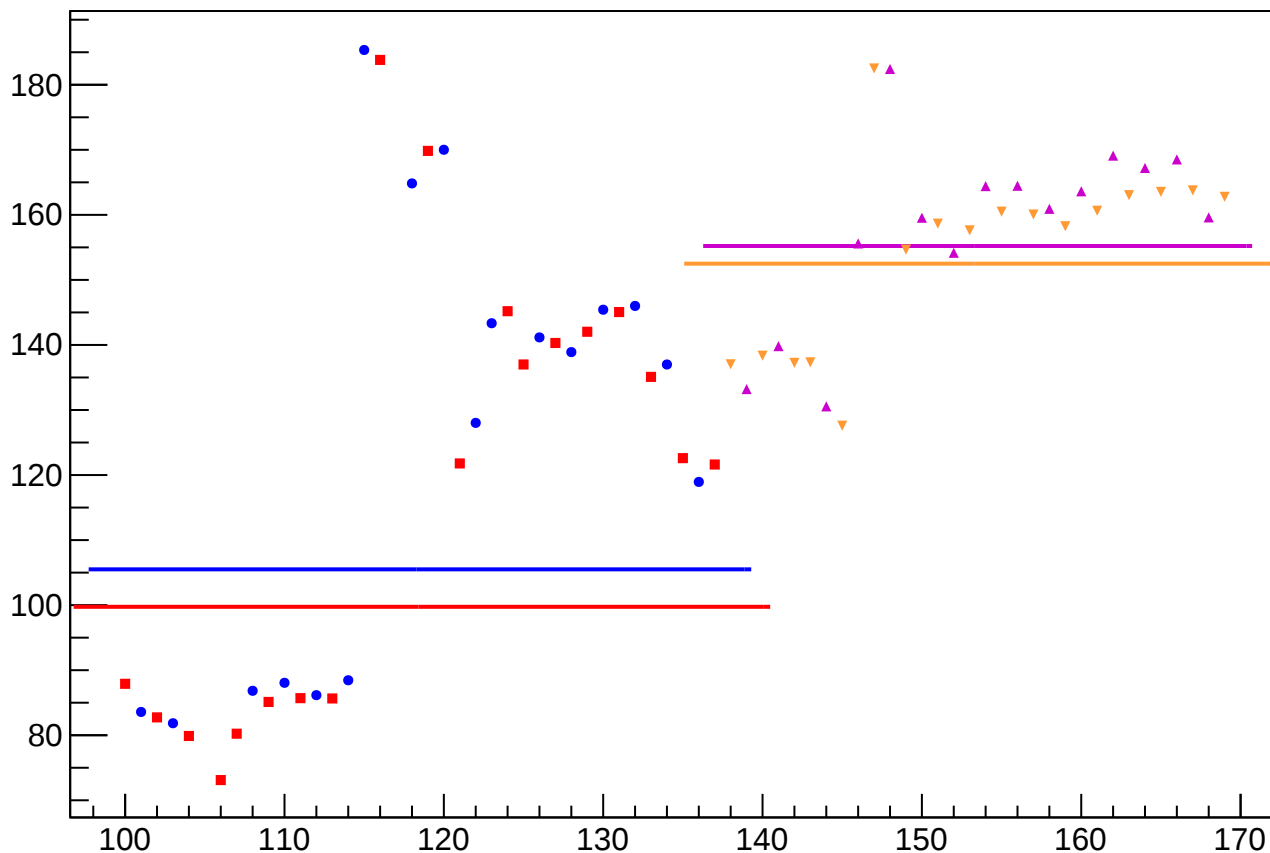
Left In: -213.591 ± 45.521 $\chi^2/\text{NDF}: 12.8/14$

+ sign 93.573 ± 30.123 $\chi^2/\text{NDF}: 38.2/33$

All: -23.981 ± 21.117 $\chi^2/\text{NDF}: 104.9/67$

- sign -137.564 ± 29.610 $\chi^2/\text{NDF}: 36.8/33$

reg_asym_sam5_rms vs Slug



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 152.495 $\pm$ 0.030 χ^2 /NDF: 206790.6/16

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

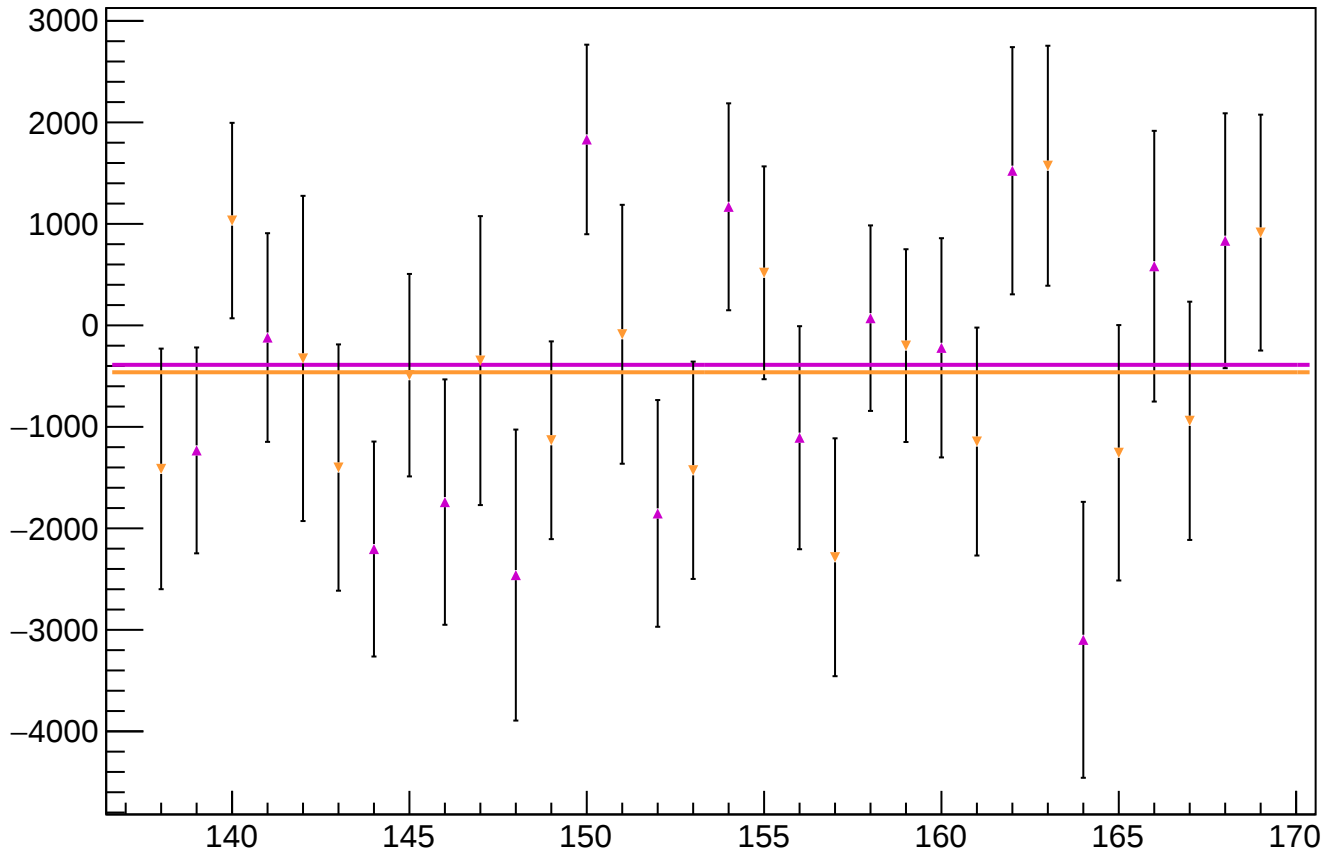
Left In: 155.213 $\pm$ 0.032 χ^2 /NDF: 199540.2/14

+ sign 128.657 $\pm$ 0.021 χ^2 /NDF: 2292350.6/33

All: 125.889 $\pm$ 0.015 χ^2 /NDF: 5238350.2/67

- sign 123.214 $\pm$ 0.021 χ^2 /NDF: 2912785.4/33

asym_sam5_correction_mean vs Slug



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

Left Out: -461.986 $\pm$ 274.718 χ^2 /NDF:13.7/16

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

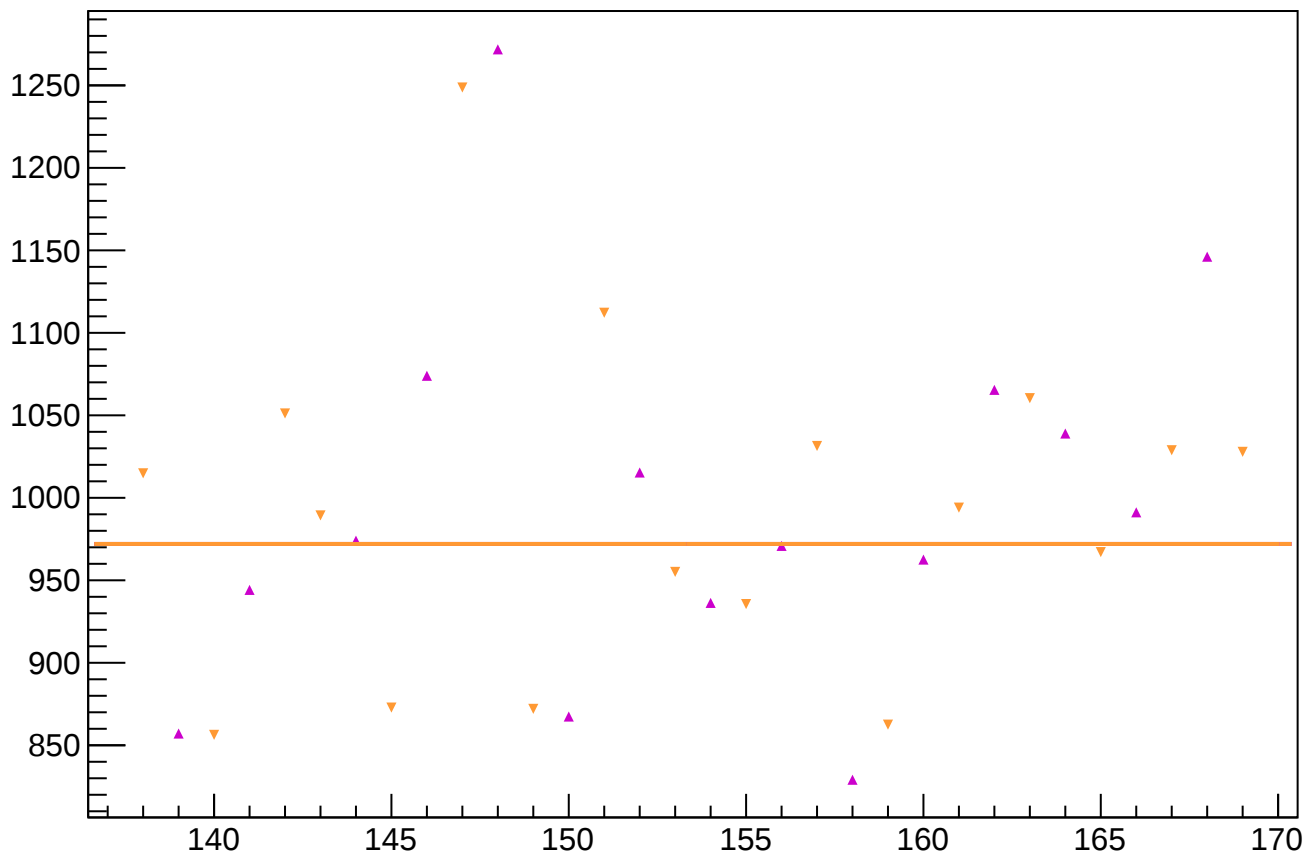
Left In: -388.766 $\pm$ 286.473 χ^2 /NDF:25.4/14

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

All: -426.909 $\pm$ 198.280 χ^2 /NDF: 39.1/31

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

asym_sam5_correction_rms vs Slug



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

Left Out: 972.033+/-0.194 χ^2/NDF : 233227.9/16

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

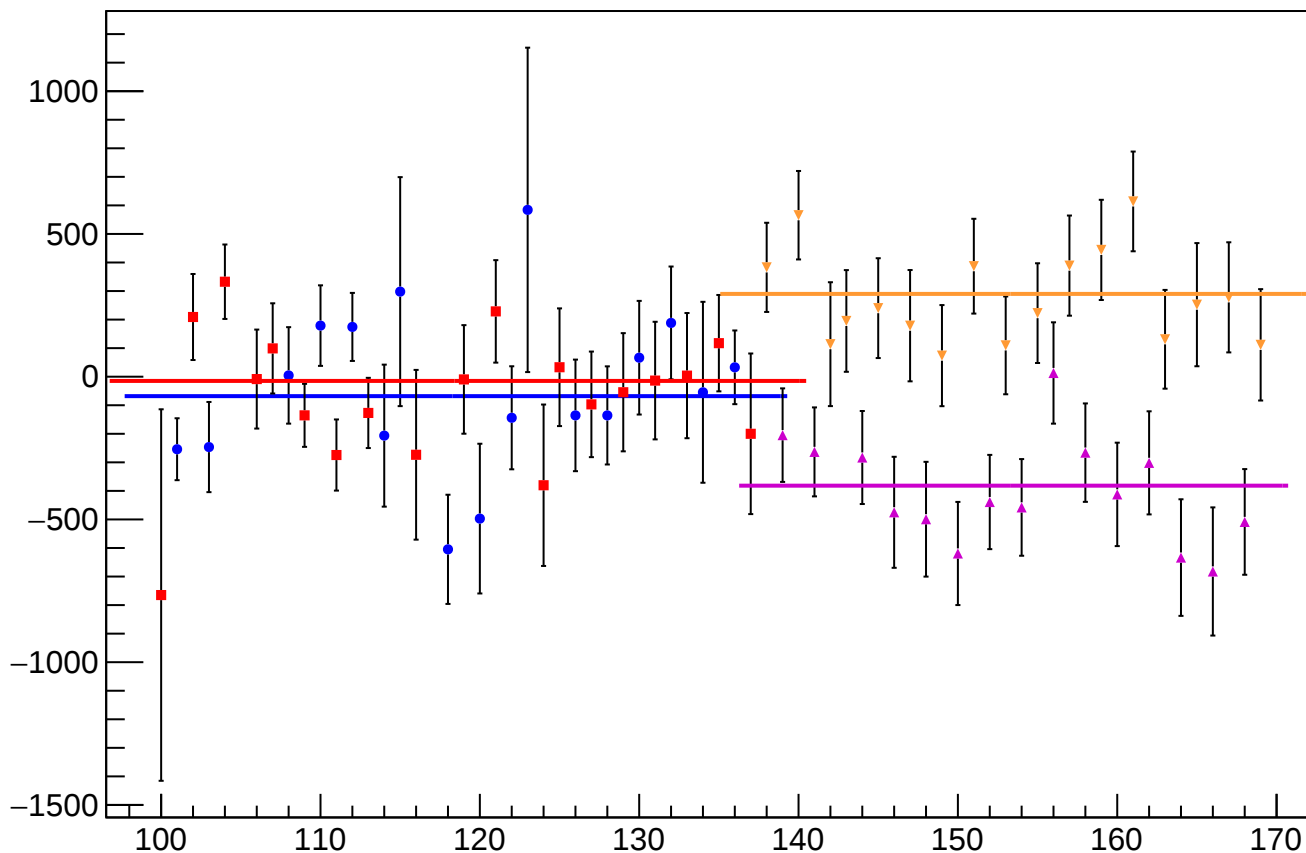
Left In: 972.032+/-0.203 χ^2/NDF : 263941.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 972.033+/-0.140 χ^2/NDF : 497169.1/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 289.967 ± 43.220 χ^2/NDF : 14.2/16

Right Out: -14.800 ± 39.467 χ^2/NDF : 23.1/18

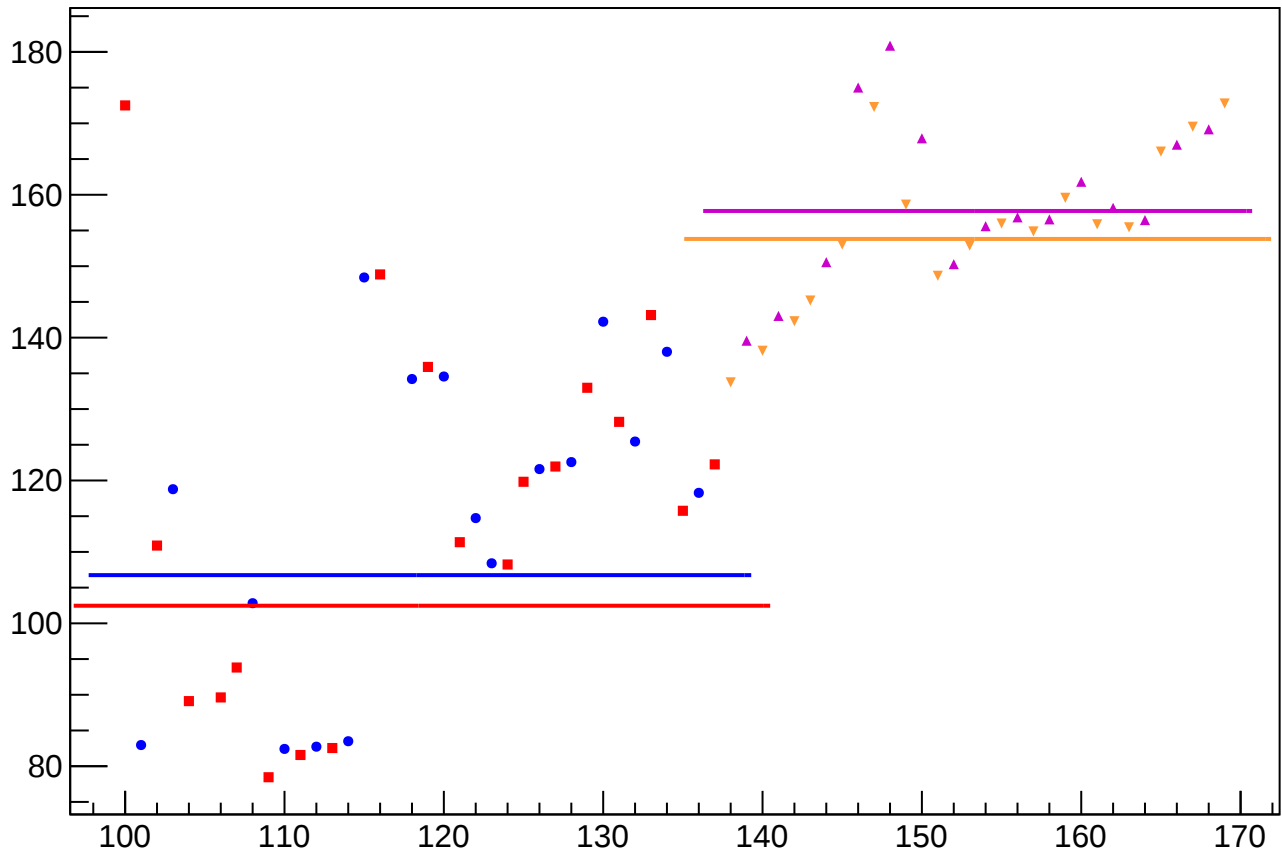
Left In: -381.691 ± 46.168 χ^2/NDF : 14.1/14

+ sign 106.928 ± 30.218 χ^2/NDF : 77.1/33

All: -32.395 ± 21.290 χ^2/NDF : 193.1/67

- sign -169.708 ± 29.999 χ^2/NDF : 73.8/33

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 153.817 $\pm$ 0.031 χ^2 /NDF:126834.4/16

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

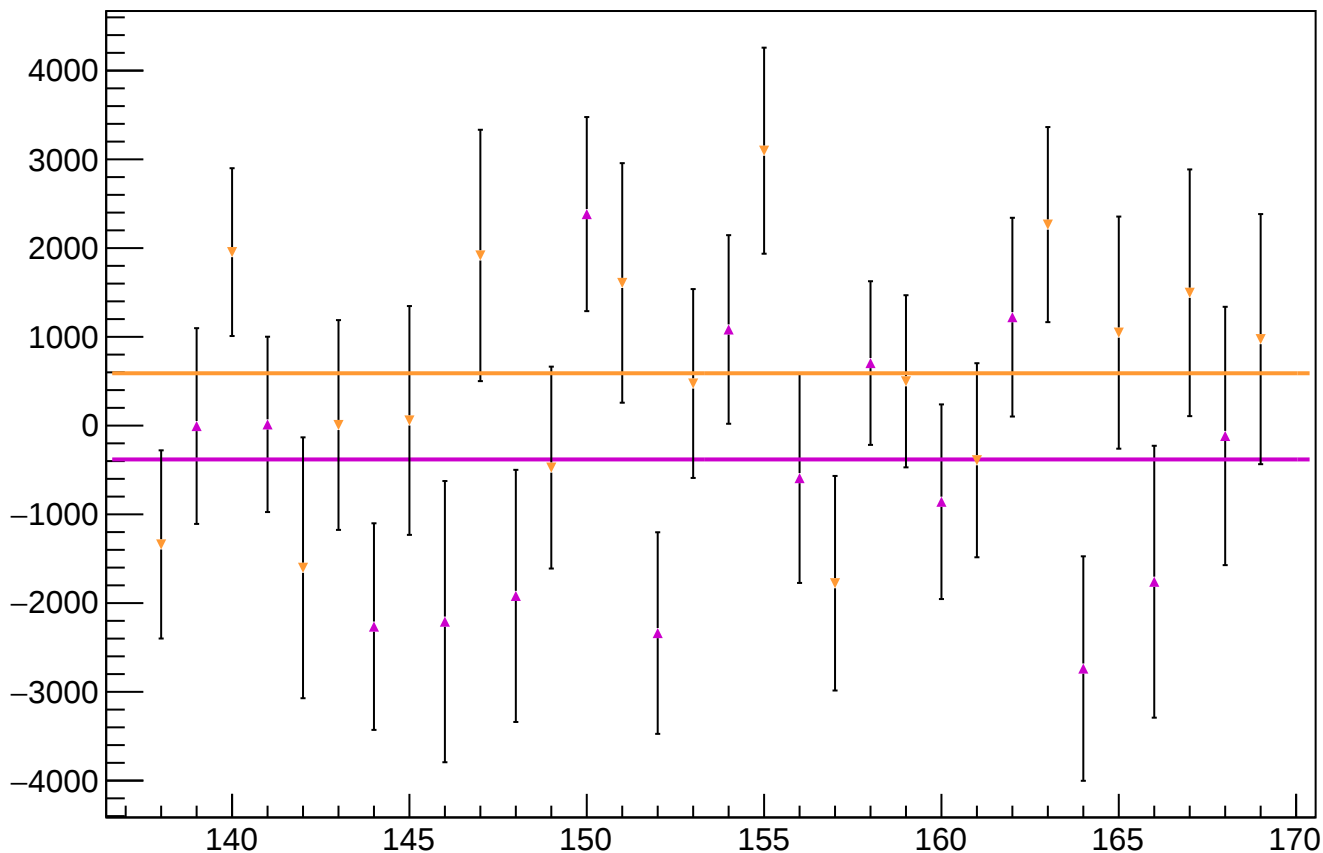
Left In: 157.732 $\pm$ 0.033 χ^2 /NDF:111570.0/14

+ sign 129.757 $\pm$ 0.021 χ^2 /NDF: 1840998.4/33

All: 127.765 $\pm$ 0.015 χ^2 /NDF: 4214958.0/67

- sign 125.801 $\pm$ 0.021 χ^2 /NDF: 2356692.1/33

asym_sam6_correction_mean vs Slug



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

Left Out: 589.728 $\pm$ 285.687 χ^2 /NDF:22.6/16

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

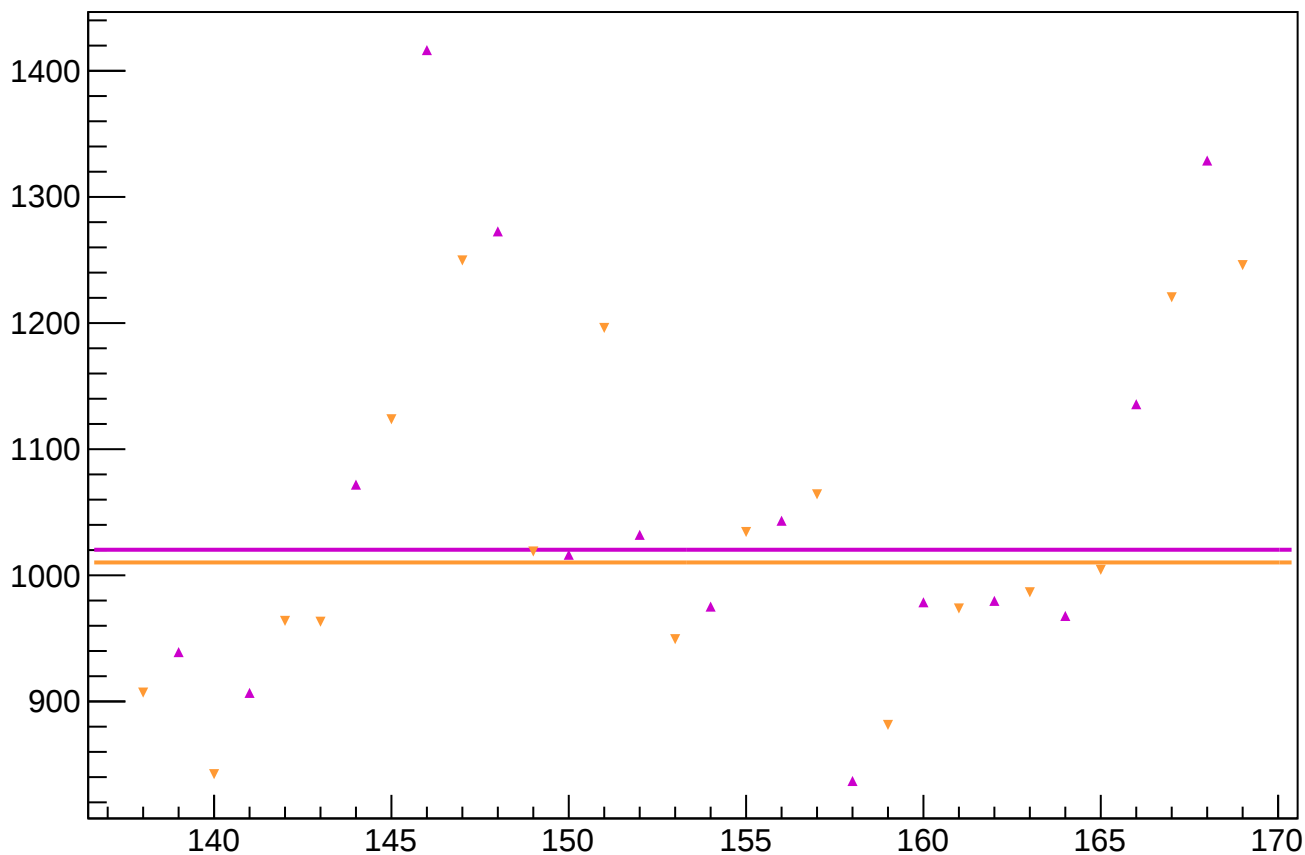
Left In: -381.309 $\pm$ 301.213 χ^2 /NDF:24.6/14

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

All: 129.879 $\pm$ 207.283 χ^2 /NDF: 52.7/31

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

asym_sam6_correction_rms vs Slug



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

Left Out: 1010.204+/-0.202 χ^2/NDF : 349521.5/16

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

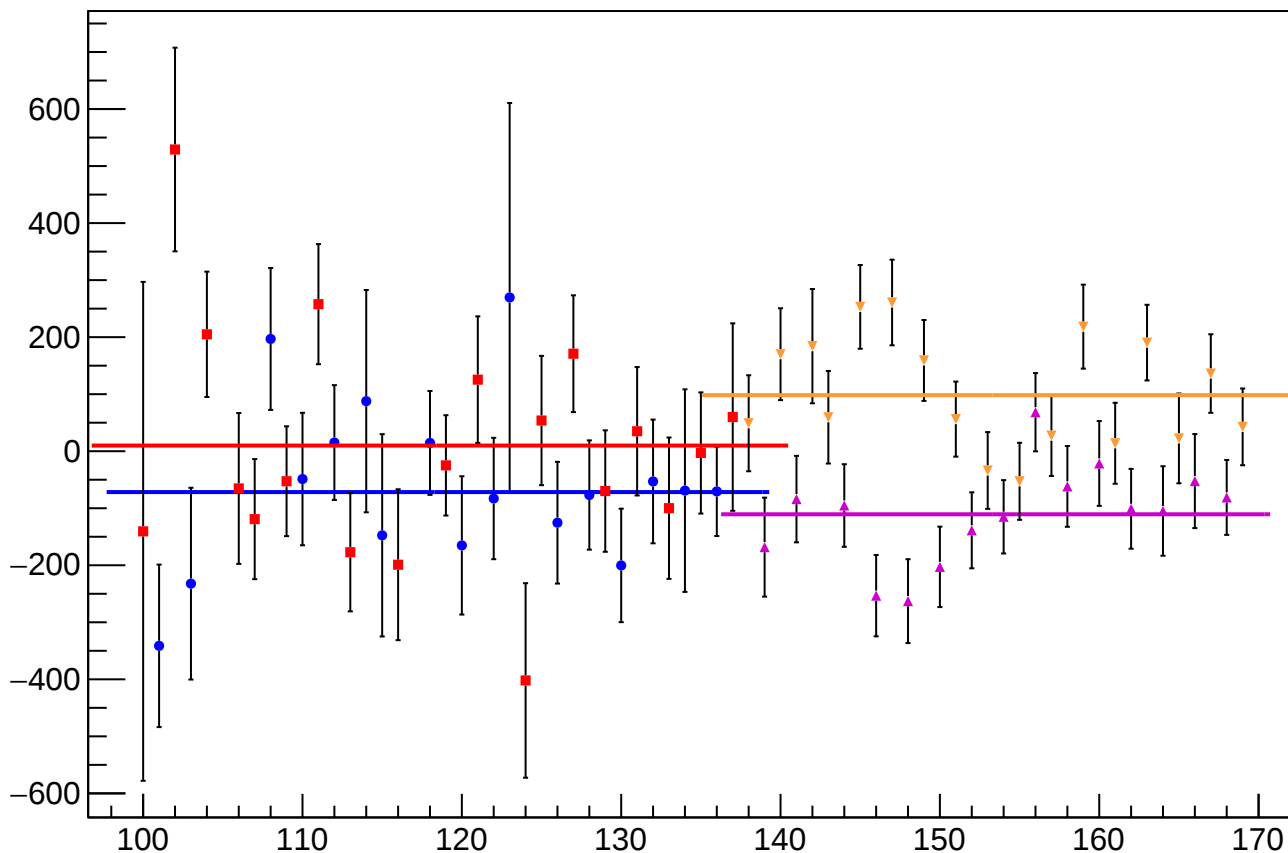
Left In: 1020.276+/-0.213 χ^2/NDF : 423268.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1014.974+/-0.147 χ^2/NDF : 773966.8/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 98.332 ± 17.727 $\chi^2/\text{NDF}: 30.1/16$

Right Out: 9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

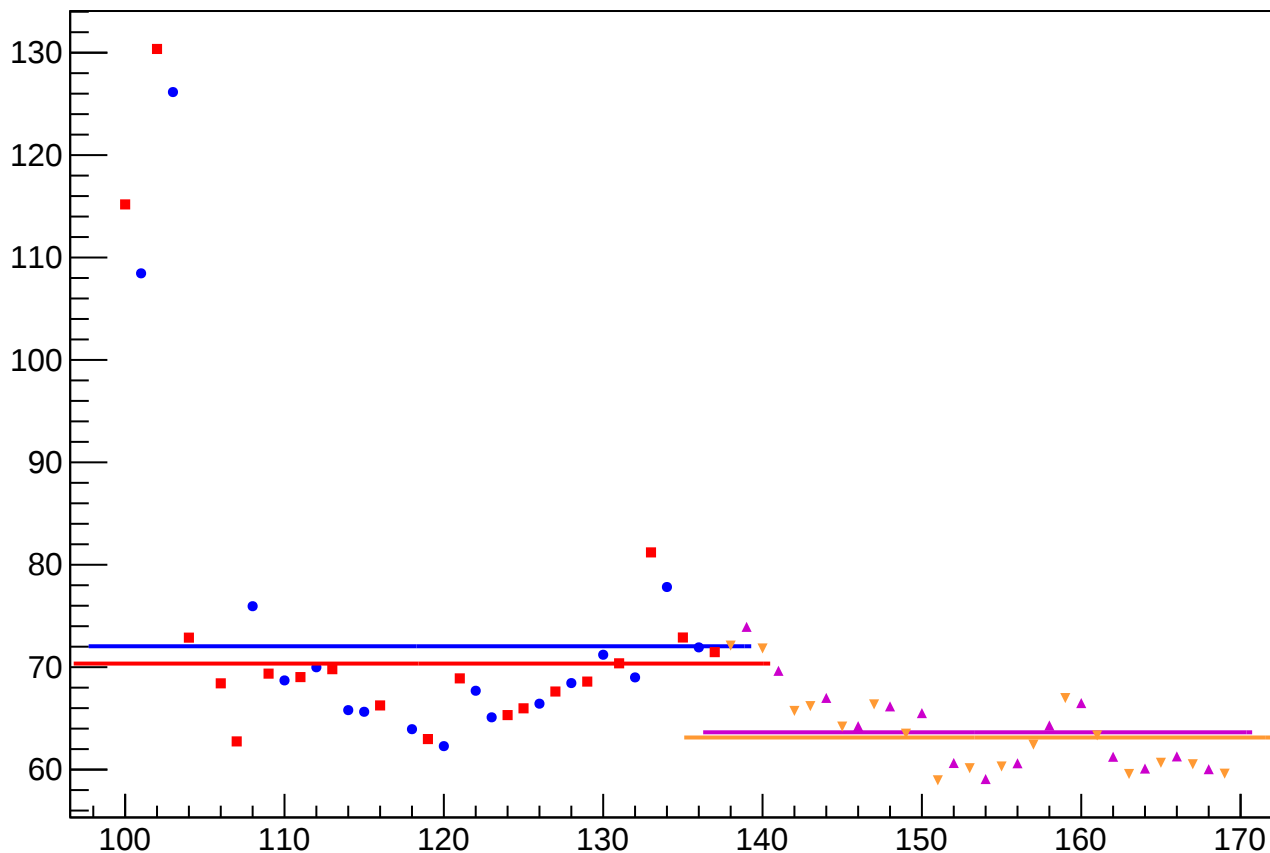
Left In: -110.583 ± 18.618 $\chi^2/\text{NDF}: 20.2/14$

+ sign 50.568 ± 15.032 $\chi^2/\text{NDF}: 71.2/33$

All: -9.360 ± 10.720 $\chi^2/\text{NDF}: 173.9/67$

- sign -71.391 ± 15.293 $\chi^2/\text{NDF}: 70.3/33$

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 63.133 $\pm$ 0.013 χ^2 /NDF: 91770.2/16

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

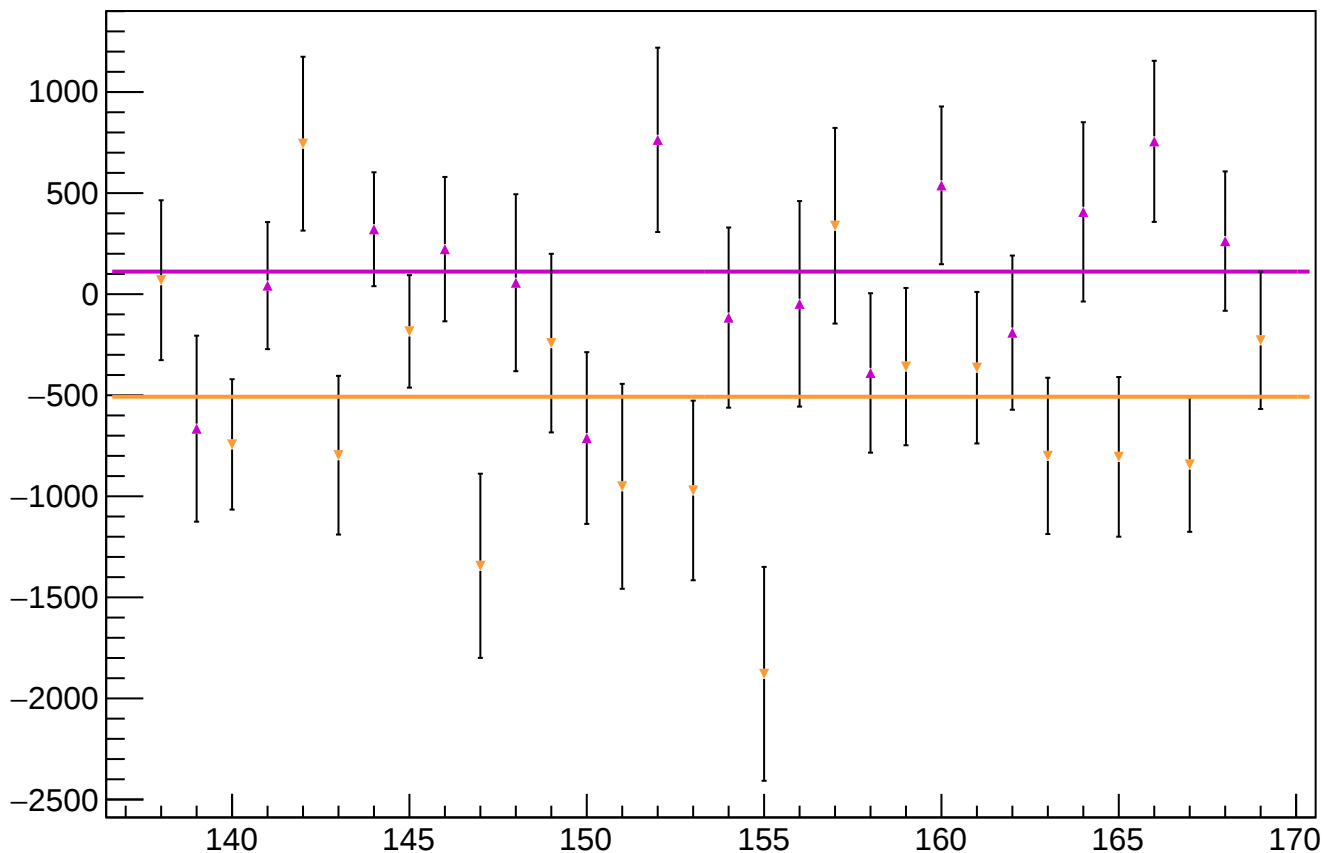
Left In: 63.641 $\pm$ 0.013 χ^2 /NDF: 84080.3/14

+ sign 65.636 $\pm$ 0.011 χ^2 /NDF: 625677.4/33

All: 65.728 $\pm$ 0.008 χ^2 /NDF: 1093403.5/67

- sign 65.823 $\pm$ 0.011 χ^2 /NDF: 467573.9/33

asym_sam7_correction_mean vs Slug



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

Left Out: -507.461+/-94.460 χ^2/NDF : 31.5/16

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

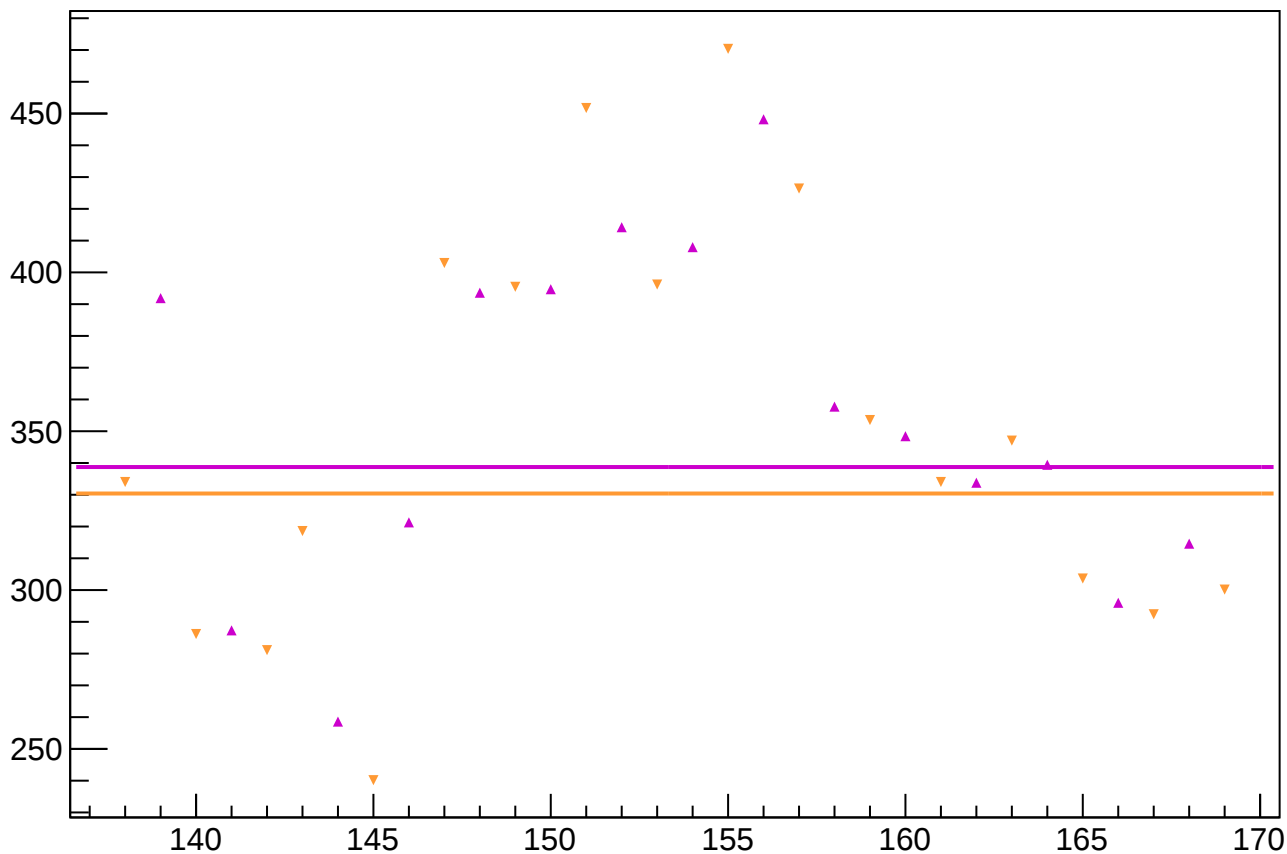
Left In: 111.640+/-100.294 χ^2/NDF : 16.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -216.438+/-68.763 χ^2/NDF : 68.1/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam7_correction_rms vs Slug



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

Left Out: 330.393+/-0.067 χ^2/NDF : 809527.6/16

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

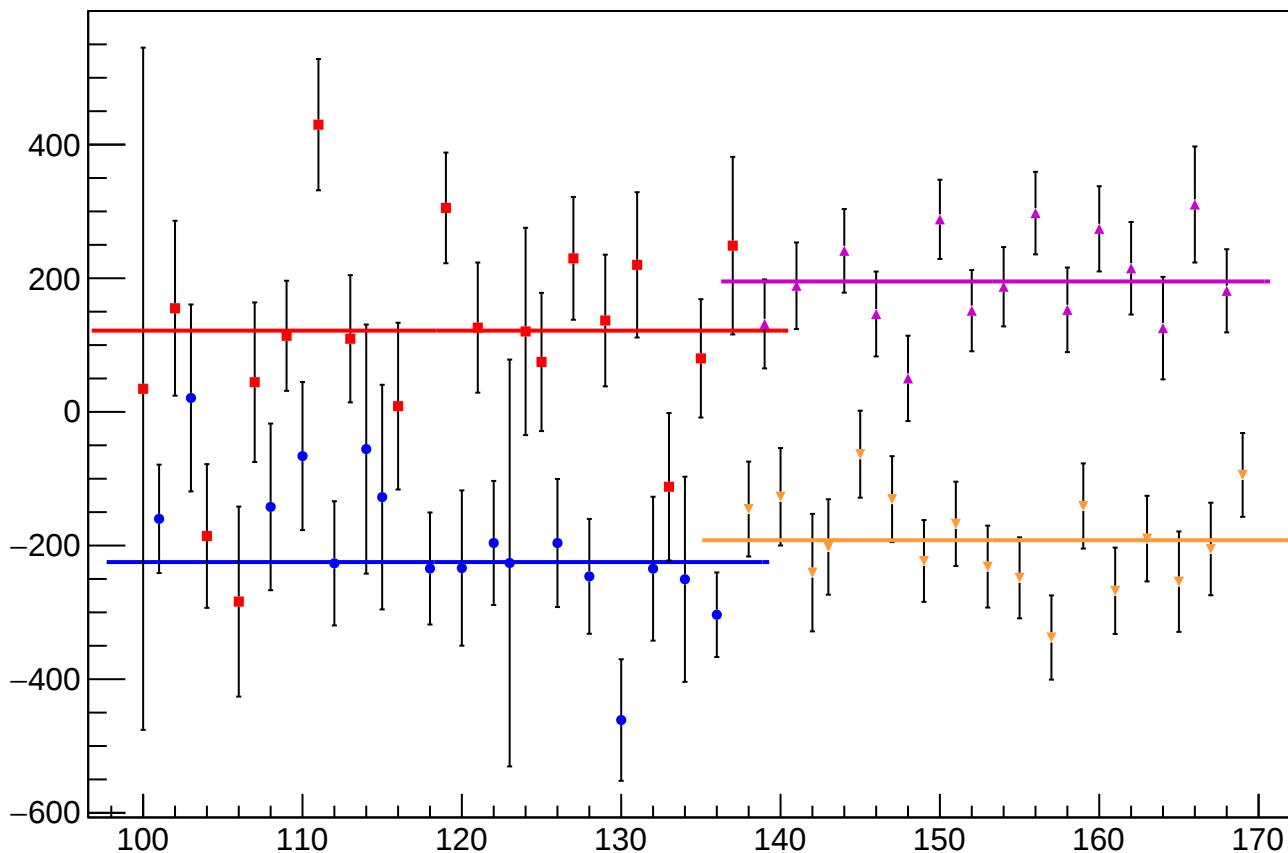
Left In: 338.727+/-0.071 χ^2/NDF : 547692.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 334.311+/-0.049 χ^2/NDF : 1364537.7/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -192.000 ± 16.077 $\chi^2/\text{NDF}: 18.6/16$

Right Out: 121.633 ± 24.599 $\chi^2/\text{NDF}: 40.5/18$

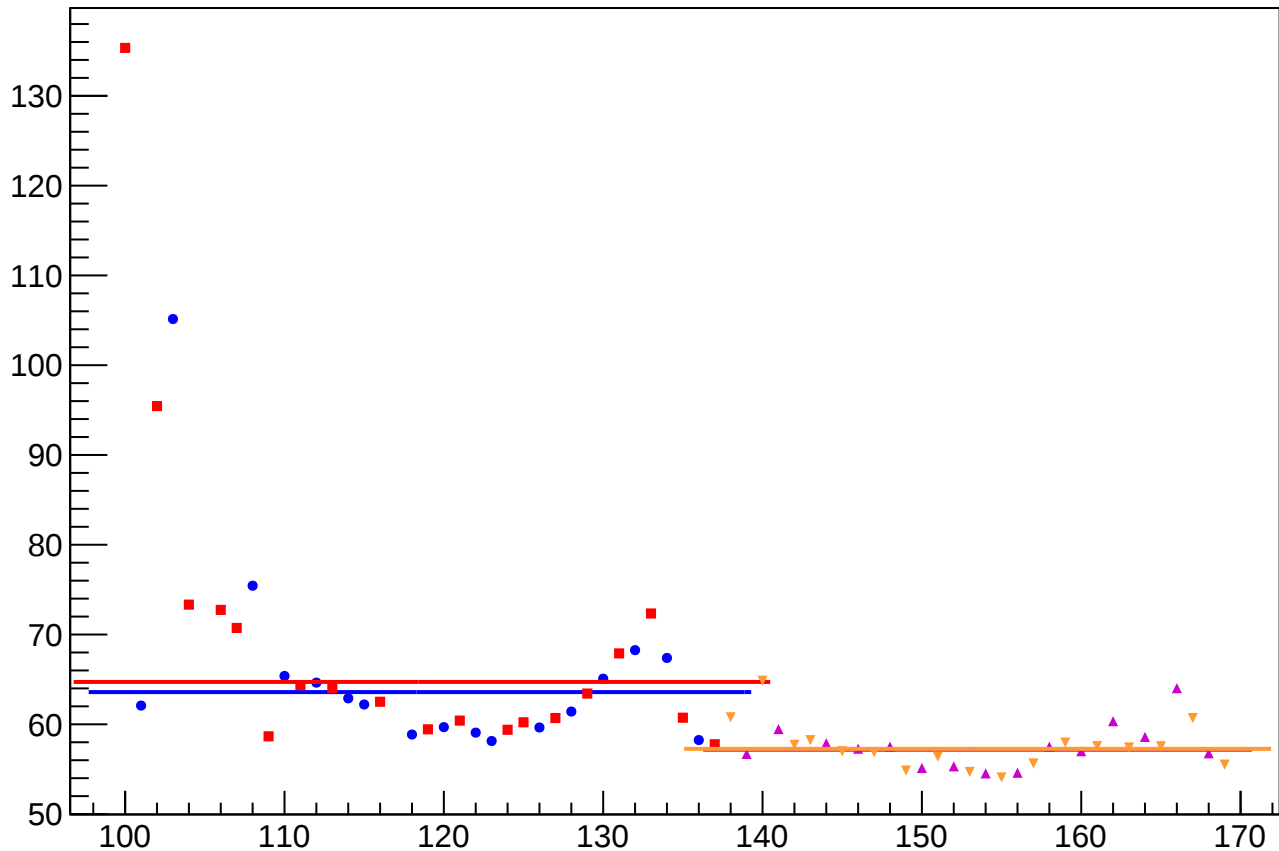
Left In: 195.216 ± 16.717 $\chi^2/\text{NDF}: 17.6/14$

+ sign -201.640 ± 13.503 $\chi^2/\text{NDF}: 35.8/33$

All: -19.255 ± 9.661 $\chi^2/\text{NDF}: 473.7/67$

- sign 171.969 ± 13.827 $\chi^2/\text{NDF}: 64.2/33$

reg_asym_sam8_rms vs Slug



Right In: 63.589 ± 0.018 $\chi^2/\text{NDF}: 234601.0/16$

Left Out: 57.267 ± 0.011 $\chi^2/\text{NDF}: 47783.8/16$

Right Out: 64.720 ± 0.017 $\chi^2/\text{NDF}: 227506.4/18$

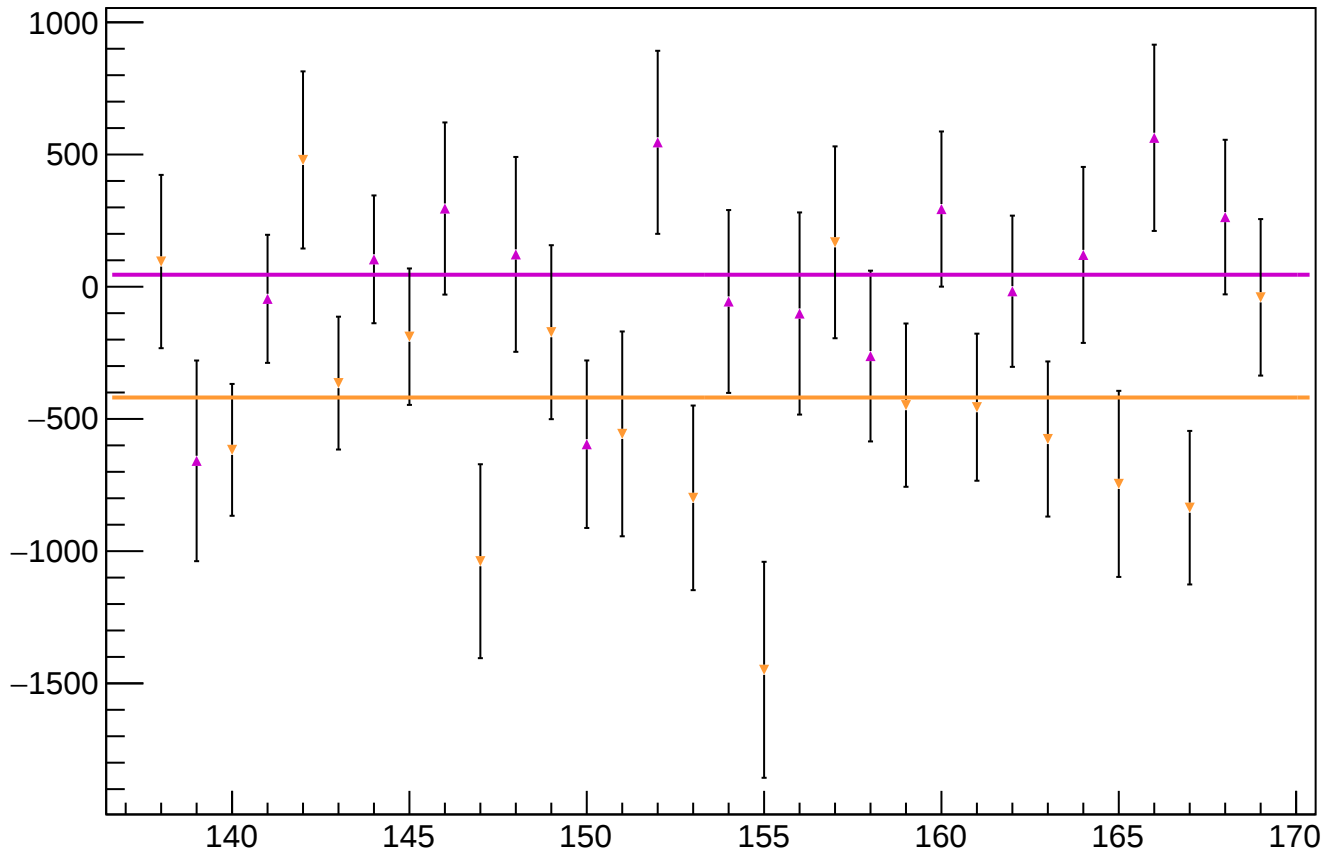
Left In: 57.169 ± 0.012 $\chi^2/\text{NDF}: 32062.1/14$

+ sign 59.130 ± 0.010 $\chi^2/\text{NDF}: 373467.7/33$

All: 59.337 ± 0.007 $\chi^2/\text{NDF}: 762914.5/67$

- sign 59.555 ± 0.010 $\chi^2/\text{NDF}: 388478.6/33$

asym_sam8_correction_mean vs Slug



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

Left Out: -418.909 $\pm$ 75.225 χ^2/NDF : 29.7/16

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

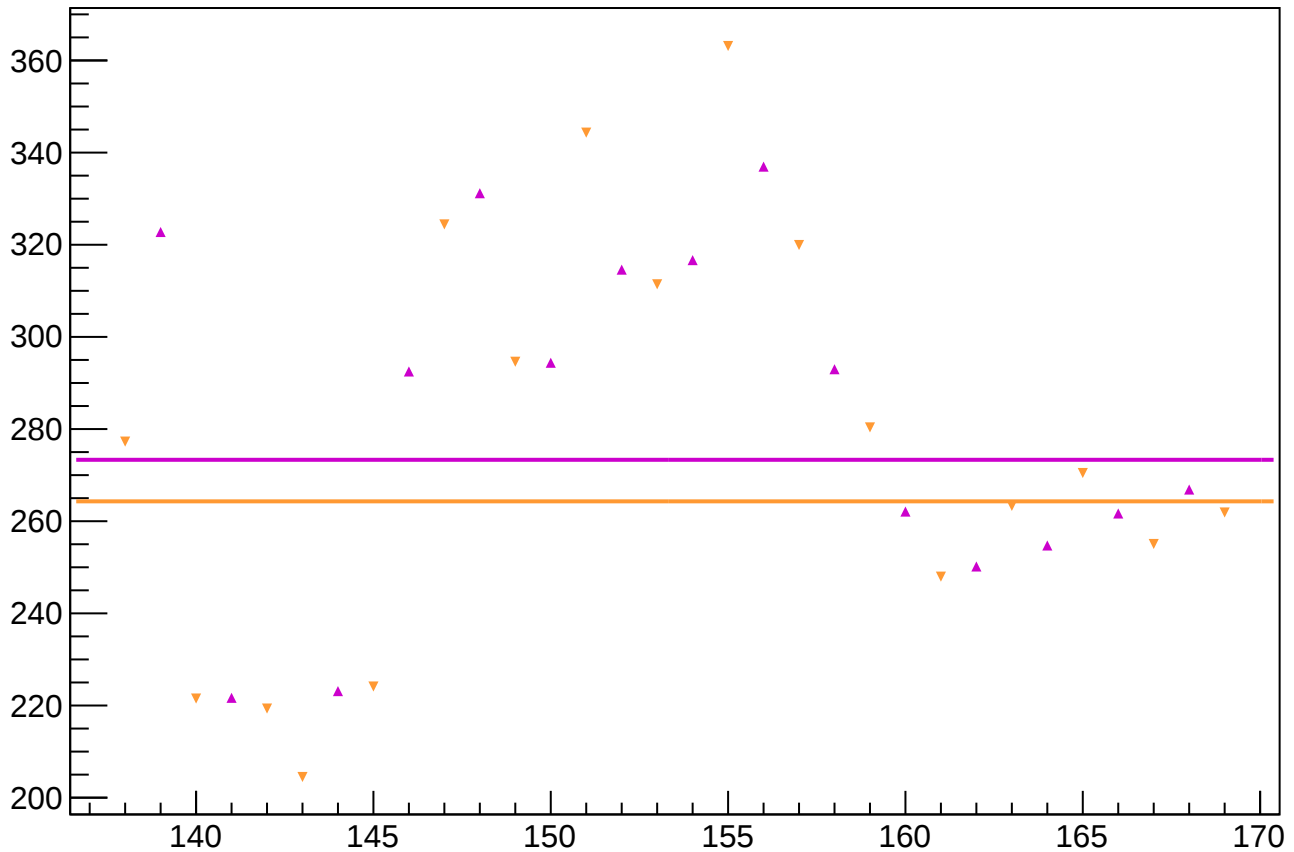
Left In: 45.366 $\pm$ 80.669 χ^2/NDF : 15.1/14

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

All: -202.964 $\pm$ 55.016 χ^2/NDF : 62.6/31

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

asym_sam8_correction_rms vs Slug



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

Left Out: 264.311+/-0.053 χ^2/NDF : 631778.6/16

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

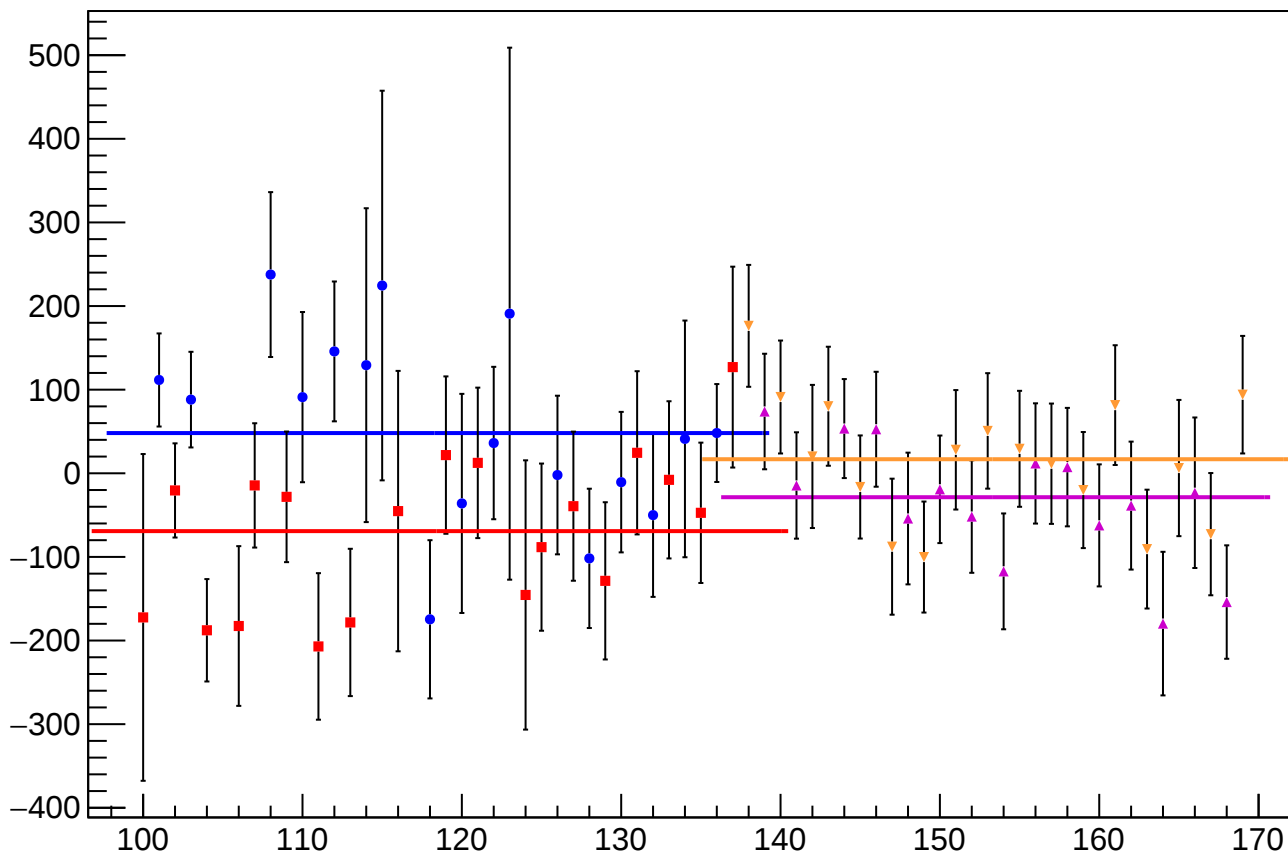
Left In: 273.329+/-0.057 χ^2/NDF : 424458.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 268.505+/-0.039 χ^2/NDF : 1069605.7/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 16.825+/-17.327 χ^2/NDF : 18.3/16

Right Out: -69.156+/-20.407 χ^2/NDF : 17.7/18

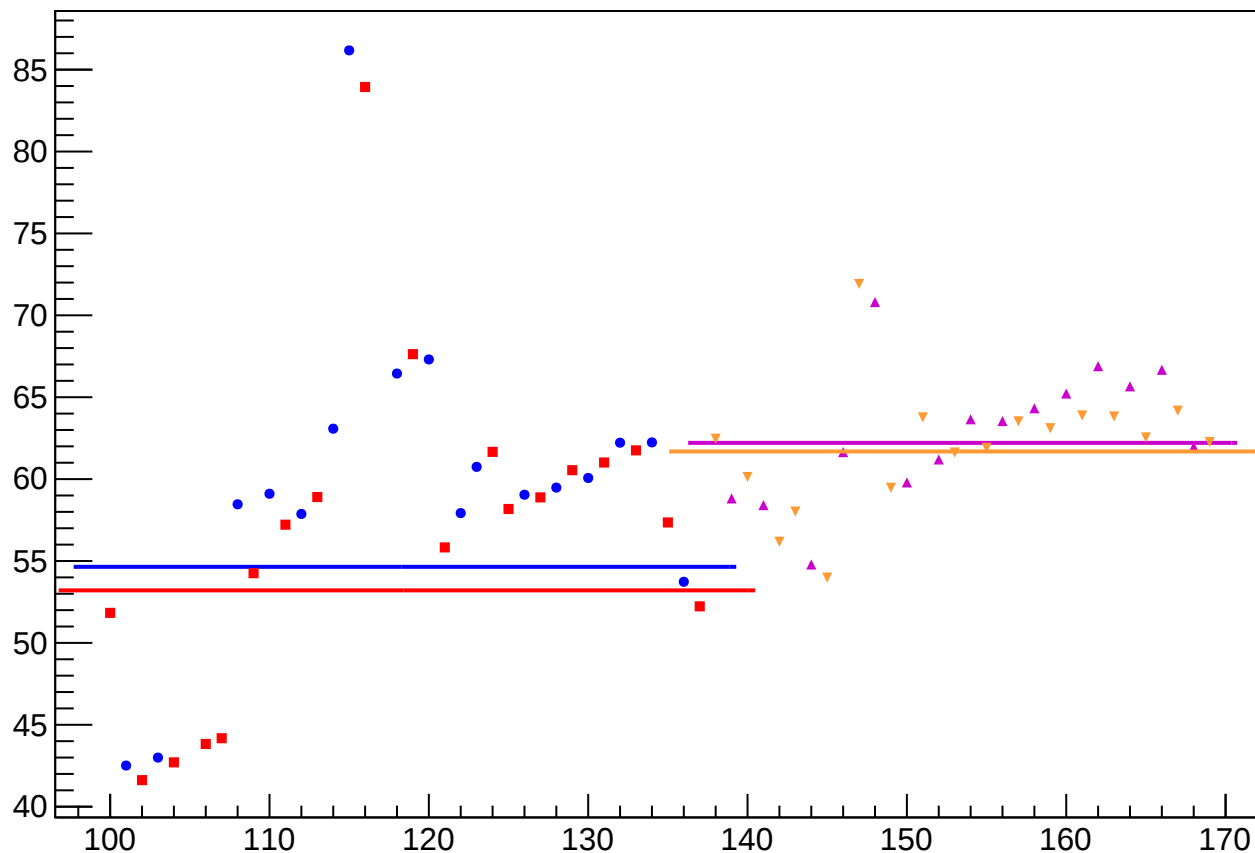
Left In: -28.603+/-18.214 χ^2/NDF : 14.8/14

+ sign 29.136+/-13.494 χ^2/NDF : 38.5/33

All: -8.459+/-9.575 χ^2/NDF : 88.8/67

- sign -46.584+/-13.589 χ^2/NDF : 34.6/33

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 61.687+/-0.012 χ^2/NDF : 90230.9/16

Right Out: 53.207+/-0.014 χ^2/NDF : 386295.2/18

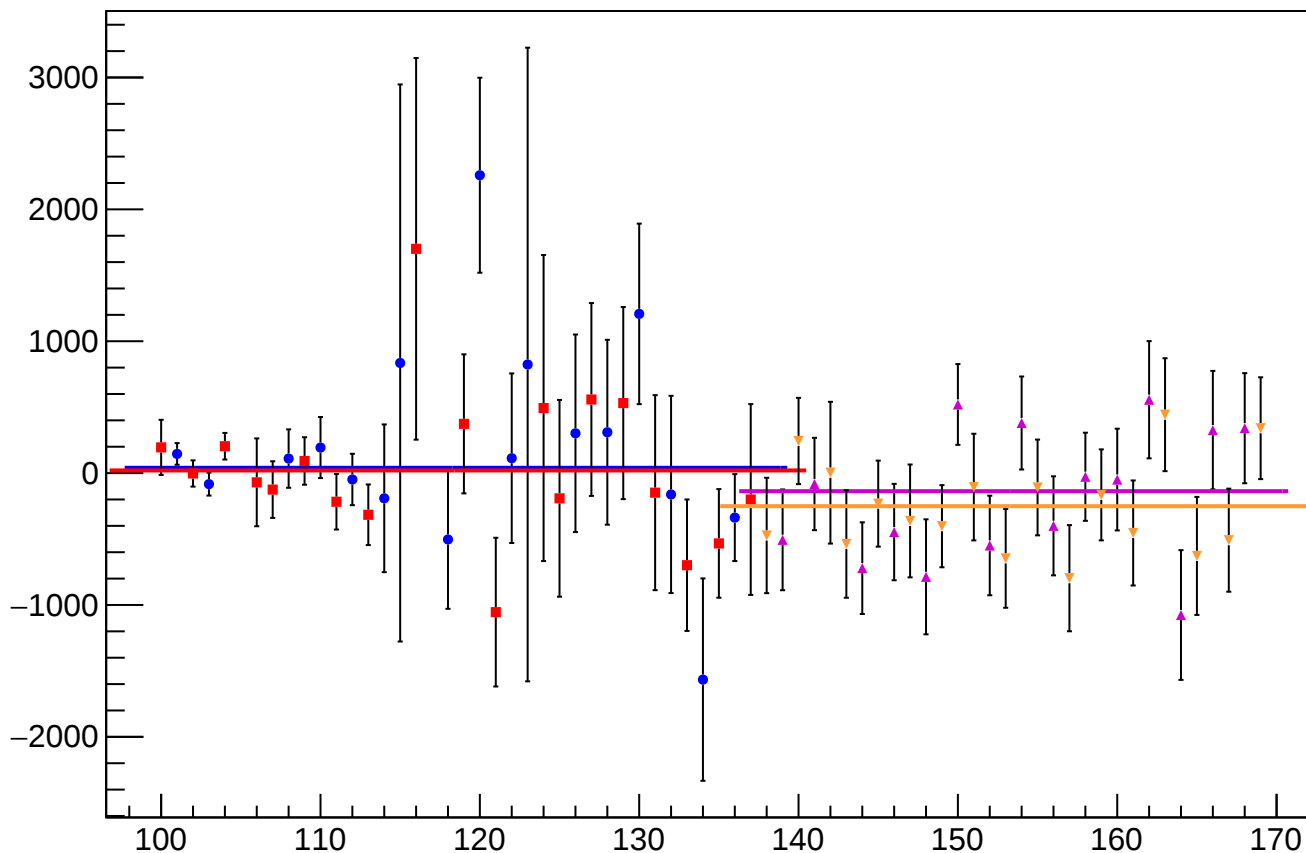
Left In: 62.214+/-0.013 χ^2/NDF : 93057.1/14

+ sign 58.916+/-0.010 χ^2/NDF : 539553.6/33

All: 58.570+/-0.007 χ^2/NDF : 1238399.2/67

- sign 58.220+/-0.010 χ^2/NDF : 696205.0/33

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -250.701 $\pm$ 93.392 χ^2 /NDF:13.2/16

Right Out: 20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

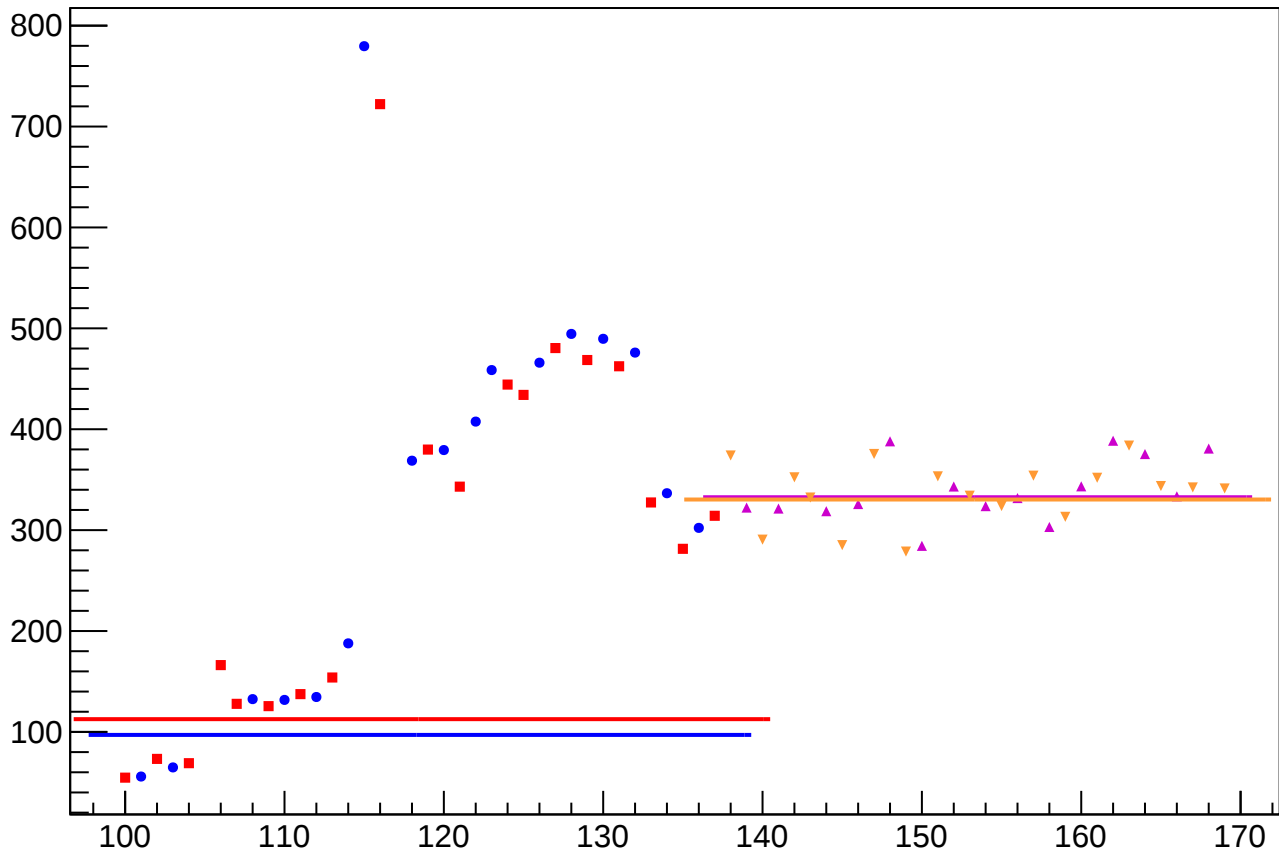
Left In: -136.985 $\pm$ 97.867 χ^2 /NDF:23.8/14

+ sign -27.713 $\pm$ 45.126 χ^2 /NDF: 44.6/33

All: -21.926 $\pm$ 32.482 χ^2 /NDF: 89.2/67

- sign -15.706 $\pm$ 46.791 χ^2 /NDF: 44.7/33

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 330.344+/-0.066 χ^2/NDF : 229984.0/16

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

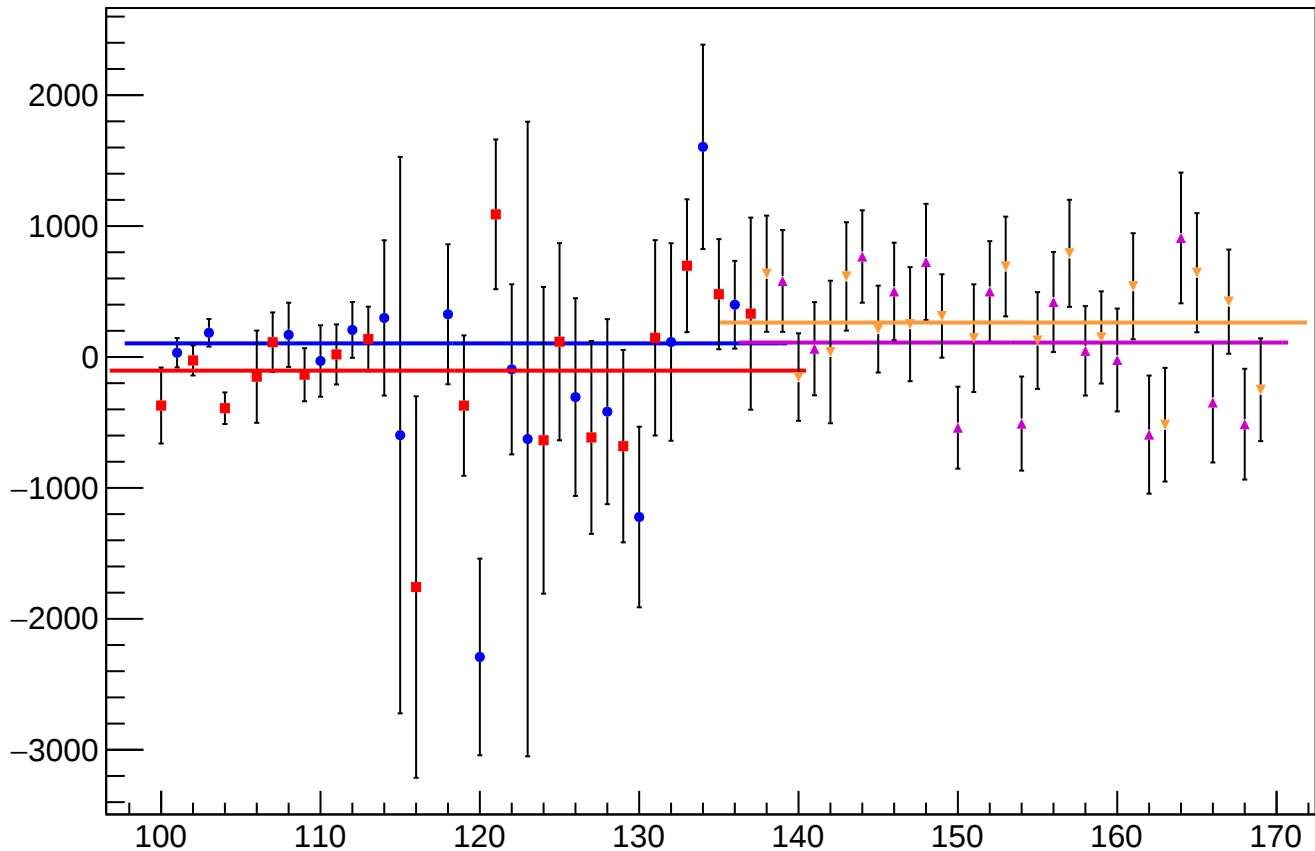
Left In: 332.601+/-0.069 χ^2/NDF : 182727.2/14

+ sign 151.510+/-0.032 χ^2/NDF : 15617019.8/33

All: 157.013+/-0.023 χ^2/NDF : 28690413.2/67

- sign 162.930+/-0.033 χ^2/NDF : 13011662.3/33

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 263.034 $\pm$ 95.061 χ^2 /NDF:12.7/16

Right Out: -104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

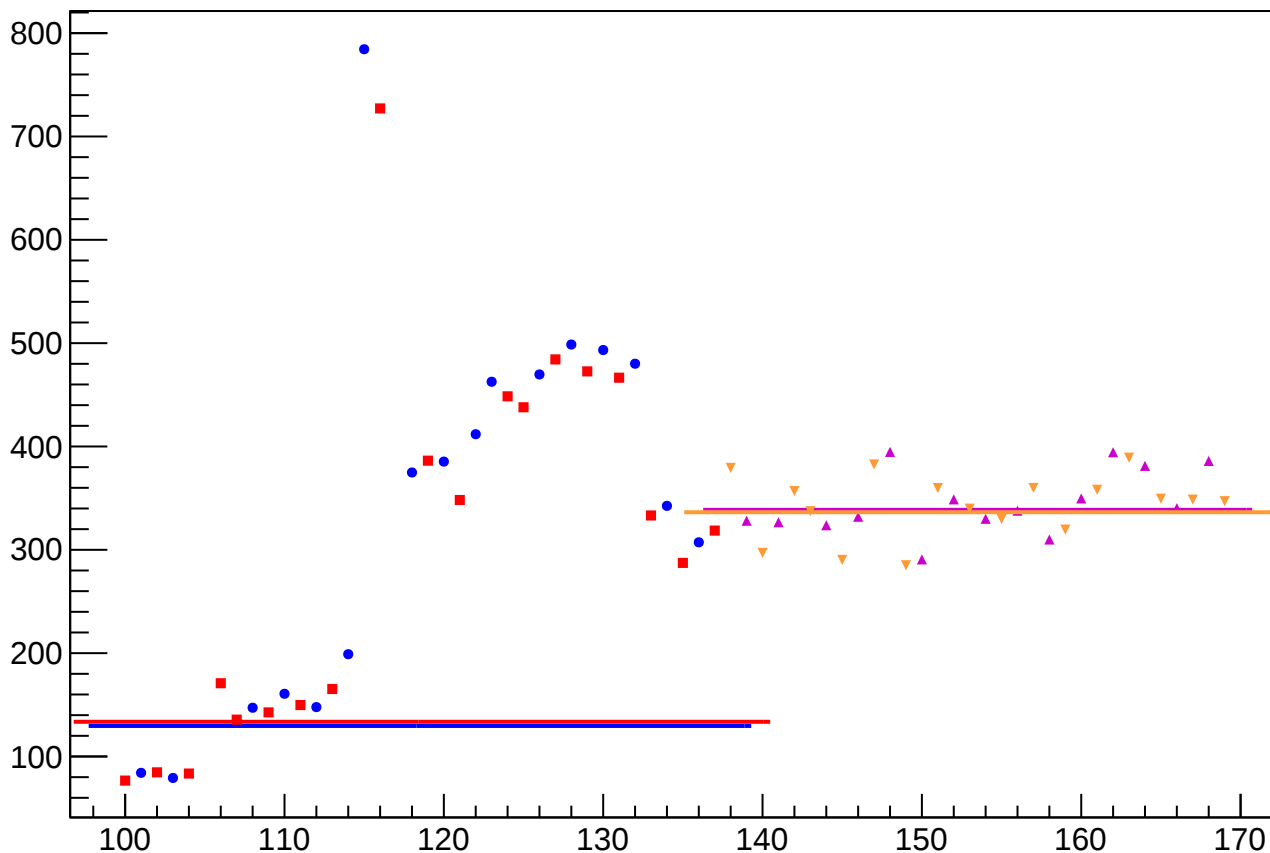
Left In: 110.263 $\pm$ 99.627 χ^2 /NDF:25.3/14

+ sign 152.701 $\pm$ 52.605 χ^2 /NDF: 36.0/33

All: 52.138 $\pm$ 36.958 χ^2 /NDF: 93.2/67

- sign -45.877 $\pm$ 51.934 χ^2 /NDF: 50.0/33

asym_sam_15_avg_rms vs Slug



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 336.389 $\pm$ 0.067 χ^2 /NDF: 221164.0/16

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

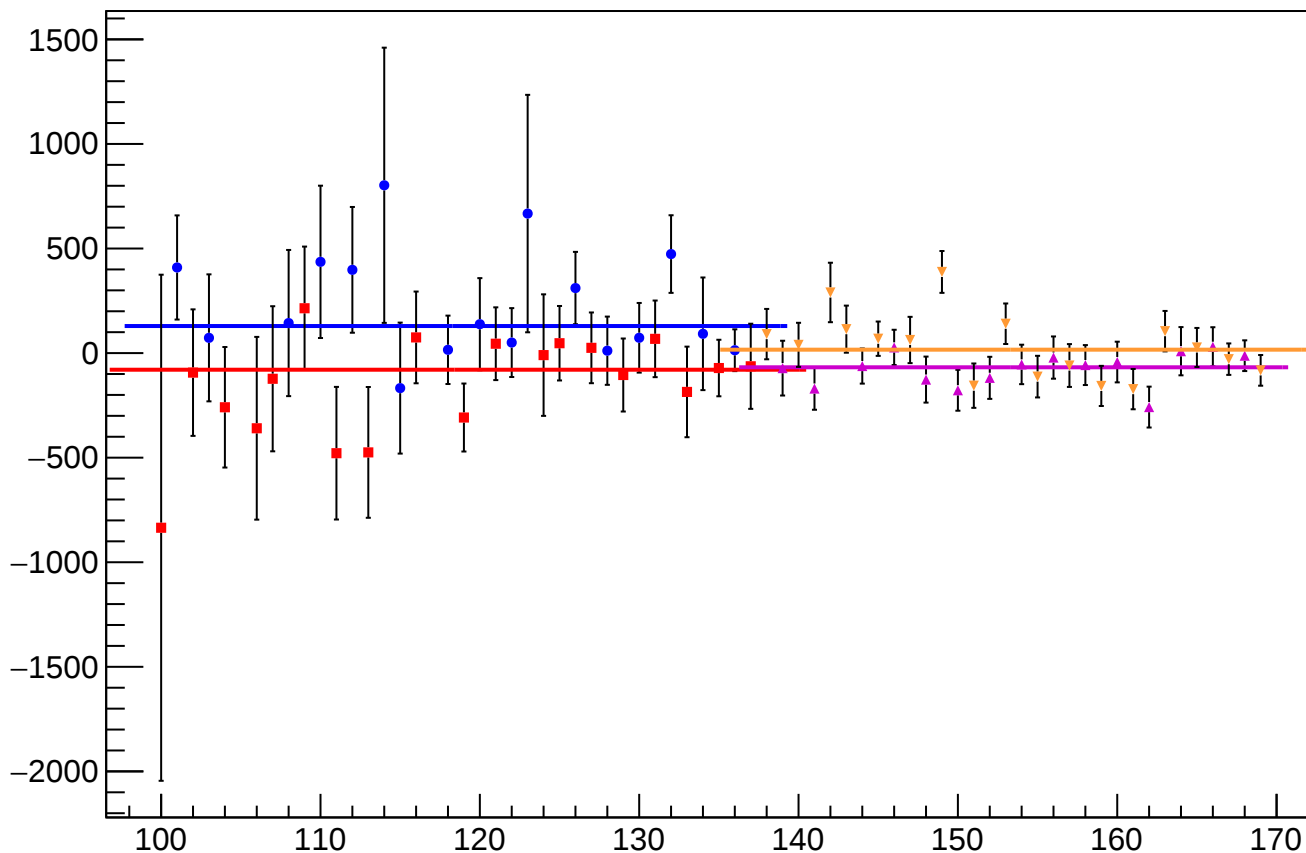
Left In: 338.705 $\pm$ 0.070 χ^2 /NDF: 175339.9/14

+ sign 192.891 $\pm$ 0.037 χ^2 /NDF: 11562615.5/33

All: 191.088 $\pm$ 0.026 χ^2 /NDF: 22282612.6/67

- sign 189.330 $\pm$ 0.037 χ^2 /NDF: 10715356.2/33

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 16.348 $\pm$ 23.508 χ^2 /NDF:35.9/16

Right Out: -79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

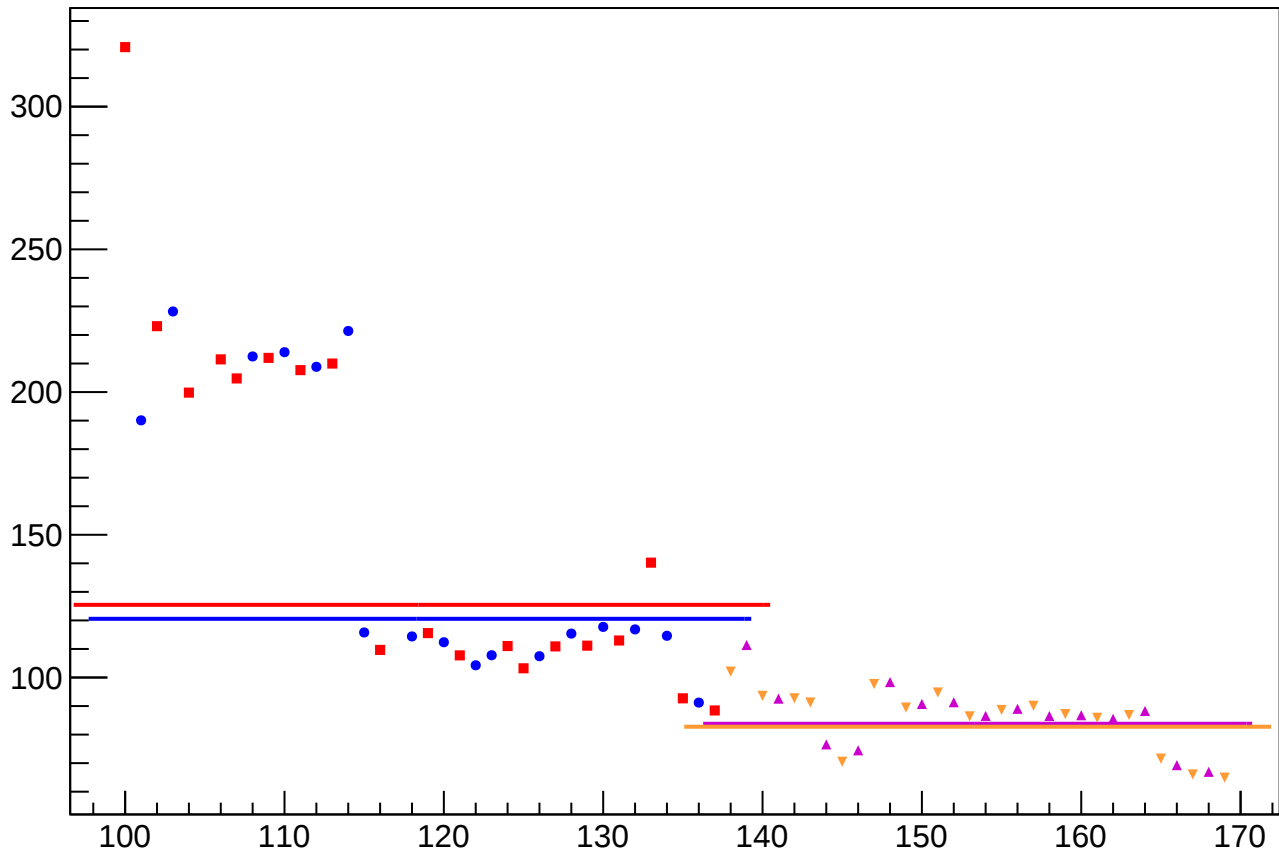
Left In: -67.883 $\pm$ 24.771 χ^2 /NDF:10.3/14

+ sign 37.415 $\pm$ 21.205 χ^2 /NDF: 53.1/33

All: -13.949 $\pm$ 15.329 χ^2 /NDF: 86.0/67

- sign -70.178 $\pm$ 22.186 χ^2 /NDF: 20.6/33

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 82.755 $\pm$ 0.017 χ^2 /NDF:485237.4/16

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

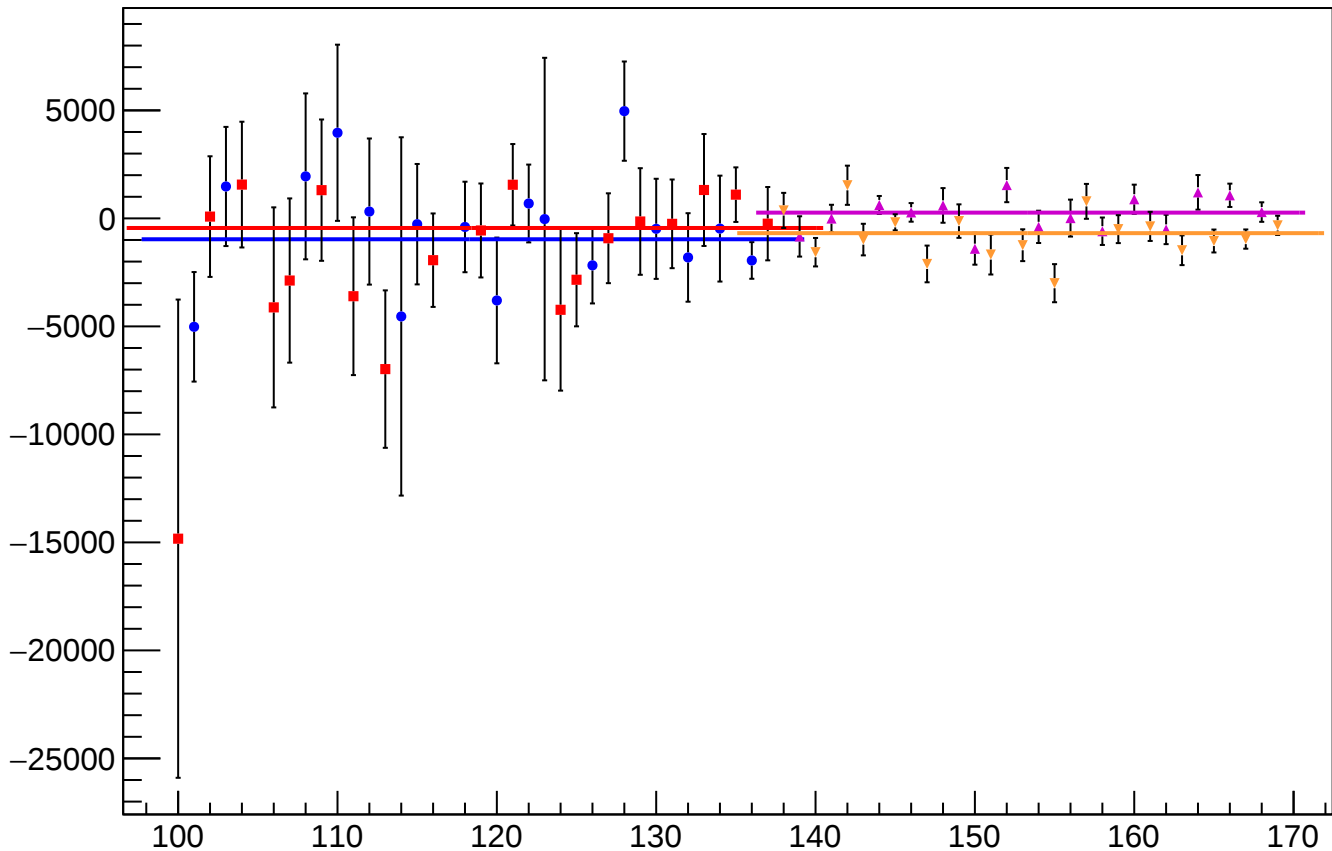
Left In: 83.796 $\pm$ 0.018 χ^2 /NDF:366994.1/14

+ sign 89.801 $\pm$ 0.015 χ^2 /NDF: 2561465.0/33

All: 90.868 $\pm$ 0.011 χ^2 /NDF: 5391898.0/67

- sign 92.036 $\pm$ 0.016 χ^2 /NDF: 2819818.2/33

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -683.927 ± 151.815 χ^2/NDF : 29.8/16

Right Out: -444.406 ± 545.370 χ^2/NDF : 13.4/18

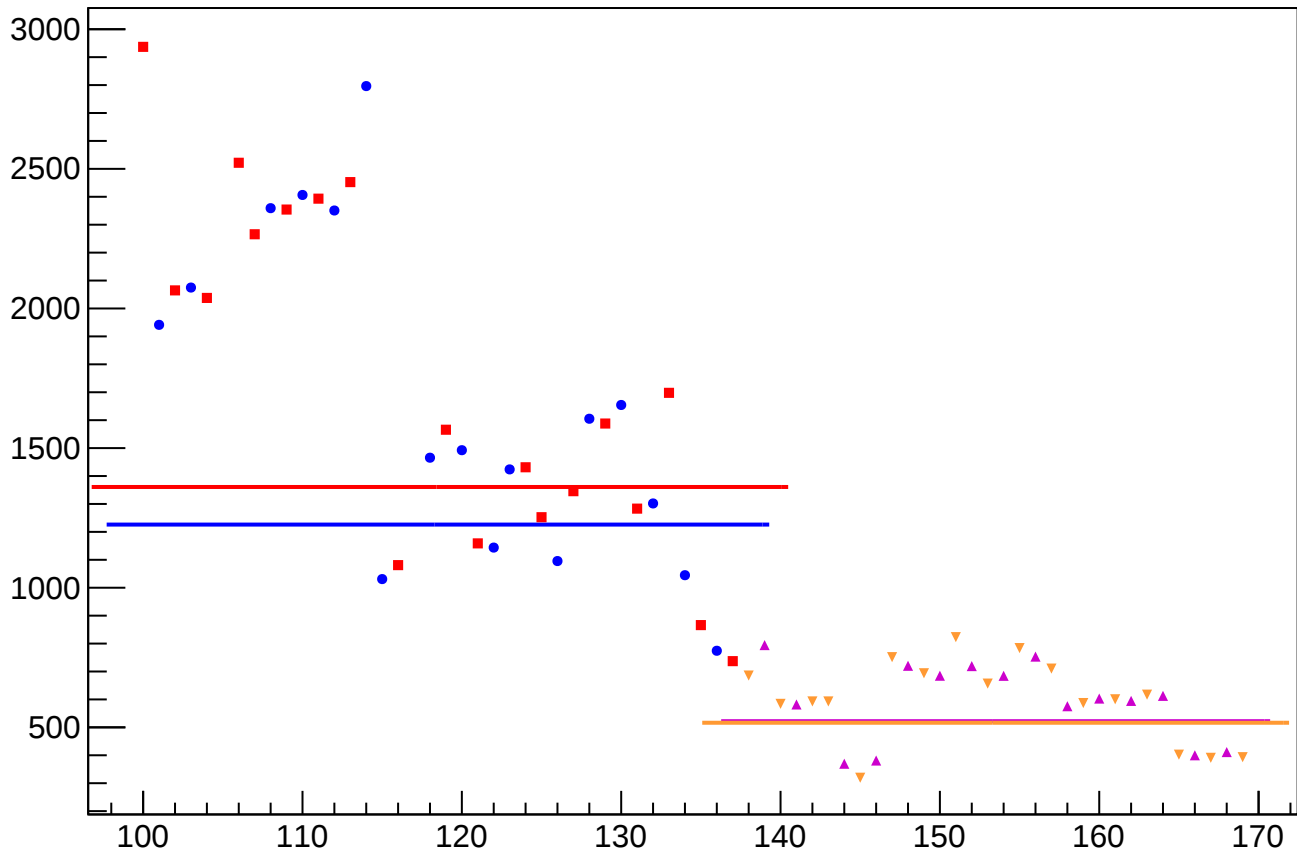
Left In: 266.183 ± 158.889 χ^2/NDF : 18.6/14

+ sign -706.742 ± 145.559 χ^2/NDF : 46.5/33

All: -269.570 ± 105.310 χ^2/NDF : 99.0/67

- sign 210.587 ± 152.547 χ^2/NDF : 33.6/33

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135 $\pm$ 0.362 χ^2 /NDF: 1756323.1/16

Left Out: 516.498 $\pm$ 0.107 χ^2 /NDF: 2057840.0/16

Right Out: 1360.770 $\pm$ 0.386 χ^2 /NDF: 1749074.9/18

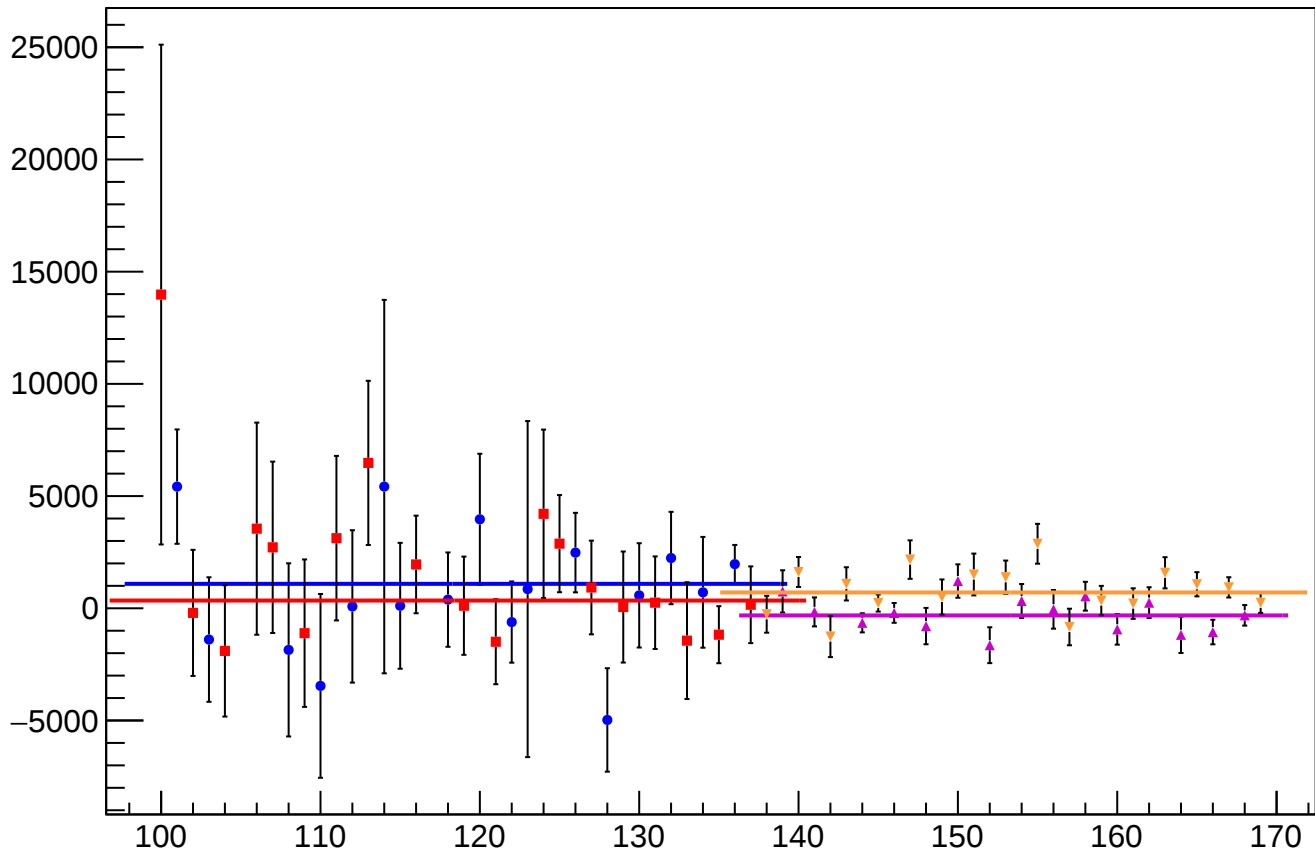
Left In: 522.089 $\pm$ 0.112 χ^2 /NDF: 1566937.8/14

+ sign 573.777 $\pm$ 0.103 χ^2 /NDF: 7341405.6/33

All: 580.416 $\pm$ 0.074 χ^2 /NDF: 15025866.0/67

- sign 587.707 $\pm$ 0.108 χ^2 /NDF: 7675731.0/33

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 705.283 $\pm$ 153.949 χ^2 /NDF: 27.9/16

Right Out: 345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

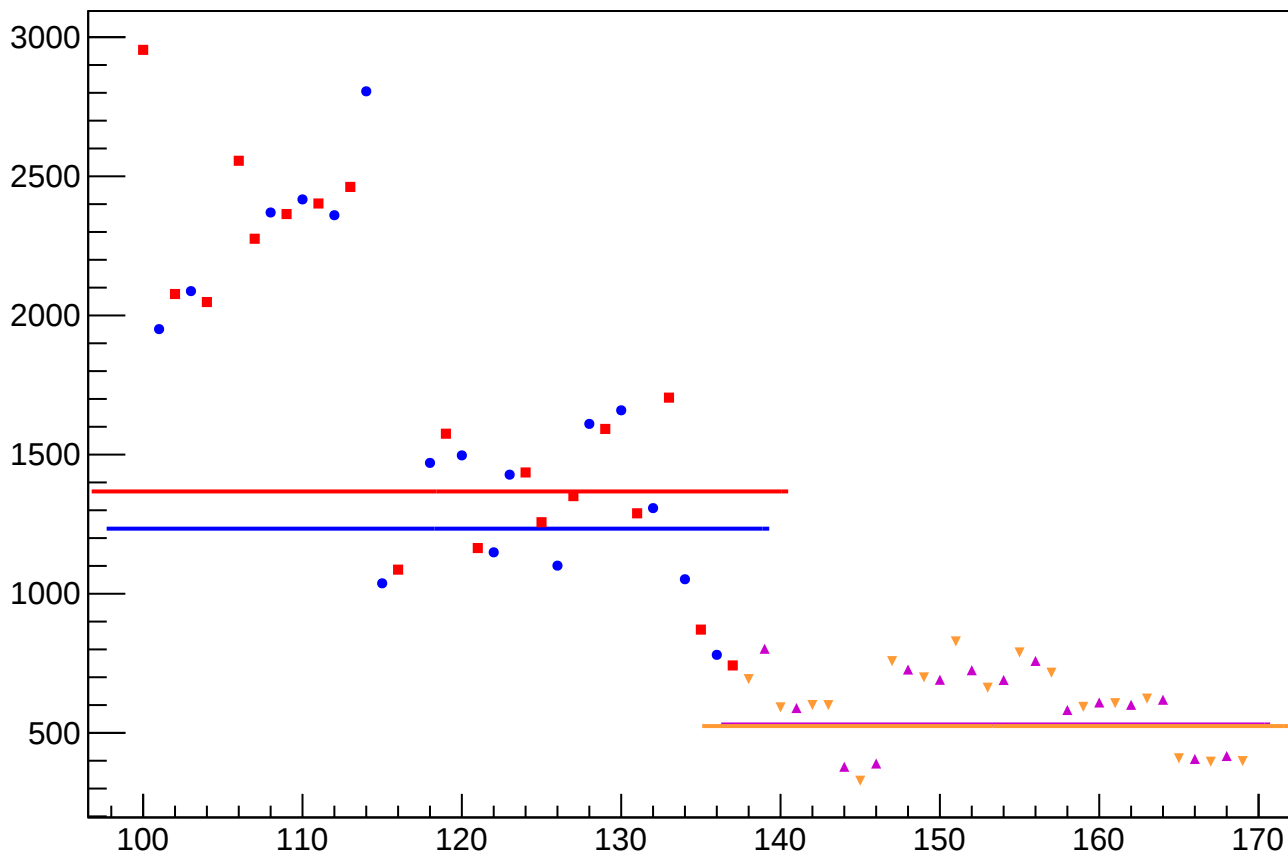
Left In: -318.291 $\pm$ 161.166 χ^2 /NDF: 16.4/14

+ sign 736.734 $\pm$ 147.506 χ^2 /NDF: 45.4/33

All: 259.224 $\pm$ 106.730 χ^2 /NDF: 97.6/67

- sign -265.470 $\pm$ 154.622 χ^2 /NDF: 30.3/33

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 524.568+/-0.109 χ^2/NDF : 1990071.8/16

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

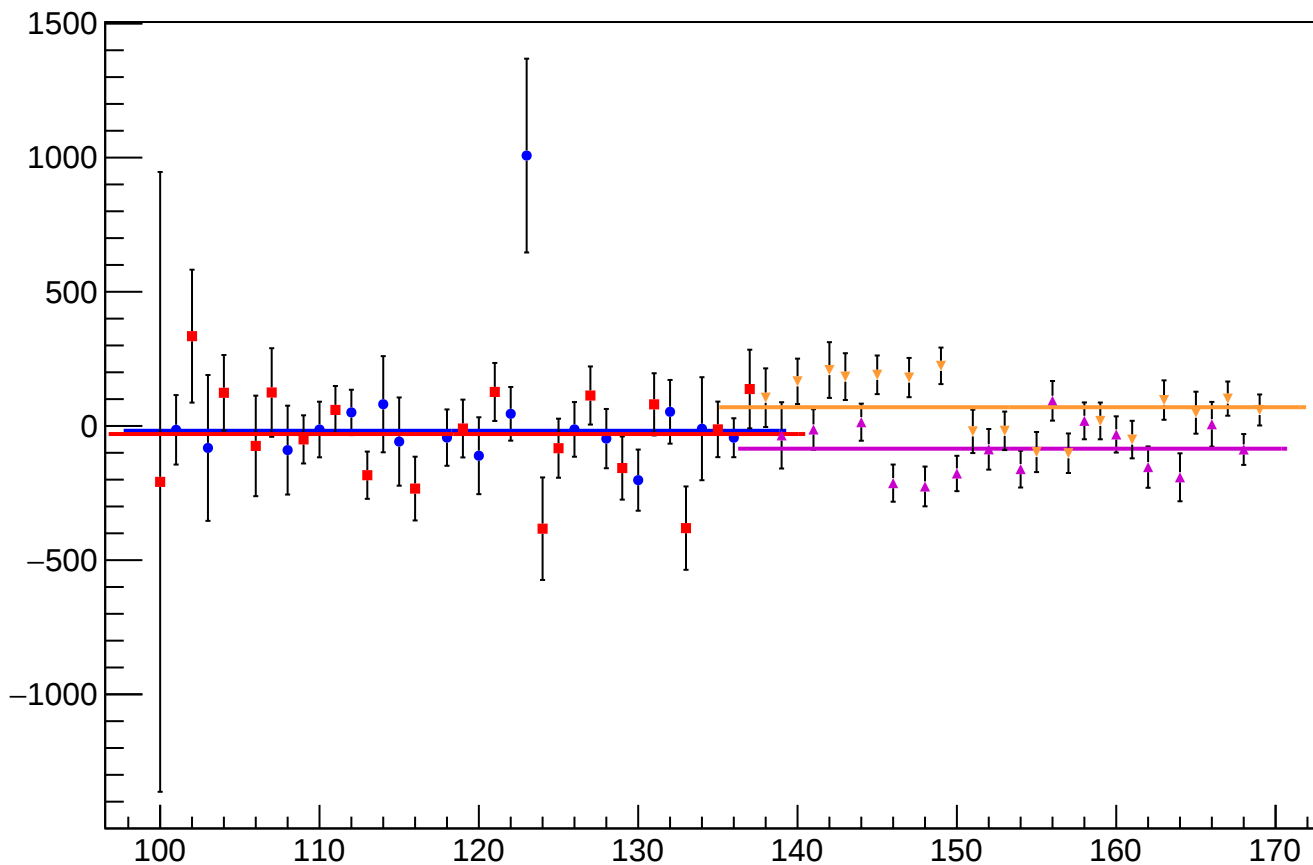
Left In: 530.314+/-0.114 χ^2/NDF : 1511668.0/14

+ sign 582.695+/-0.104 χ^2/NDF : 7213297.4/33

All: 589.476+/-0.075 χ^2/NDF : 14773000.0/67

- sign 596.927+/-0.109 χ^2/NDF : 7550831.0/33

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 69.886 ± 18.056 χ^2/NDF : 32.3/16

Right Out: -30.070 ± 27.976 χ^2/NDF : 27.4/18

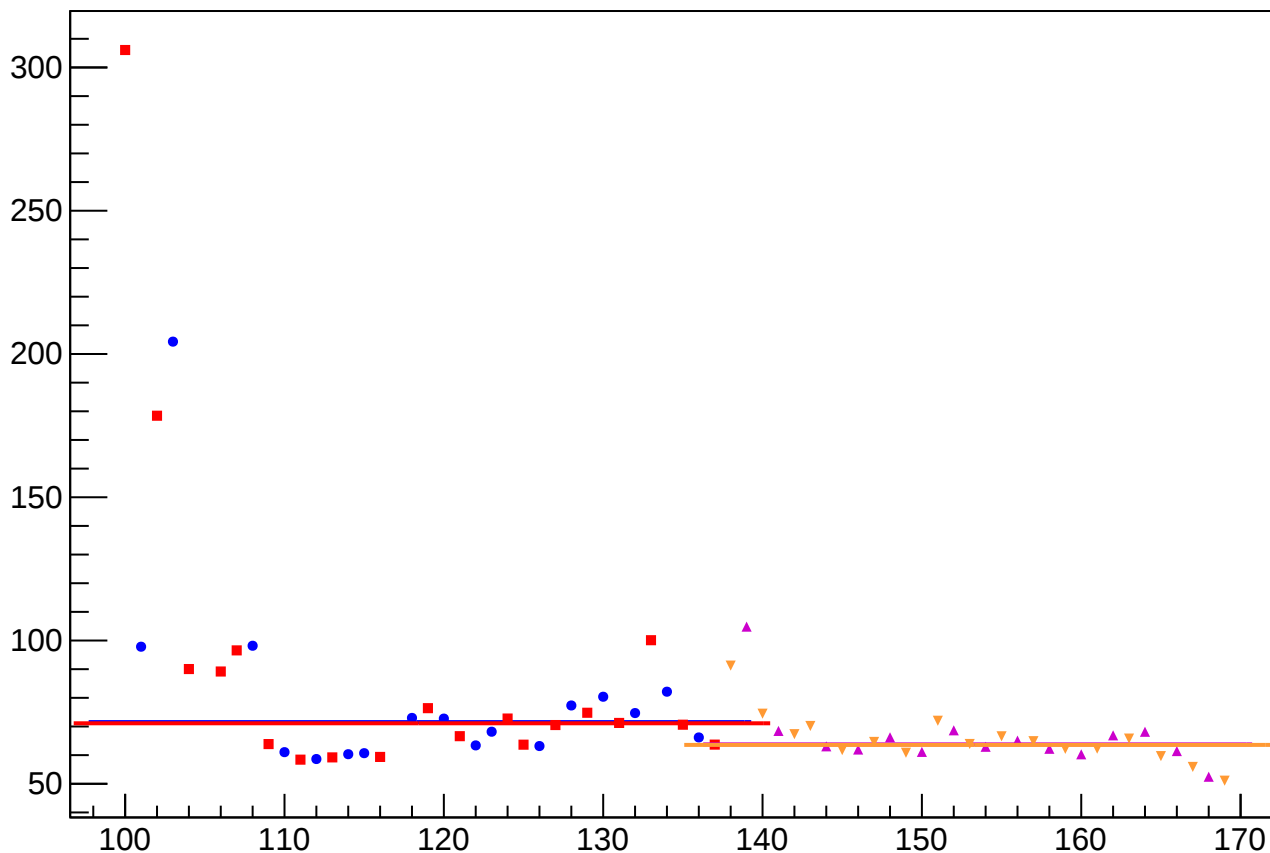
Left In: -84.679 ± 18.853 χ^2/NDF : 25.5/14

+ sign 45.156 ± 15.305 χ^2/NDF : 52.3/33

All: -10.035 ± 10.937 χ^2/NDF : 134.4/67

- sign -67.625 ± 15.634 χ^2/NDF : 55.5/33

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 63.572 $\pm$ 0.013 χ^2 /NDF: 336928.3/16

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

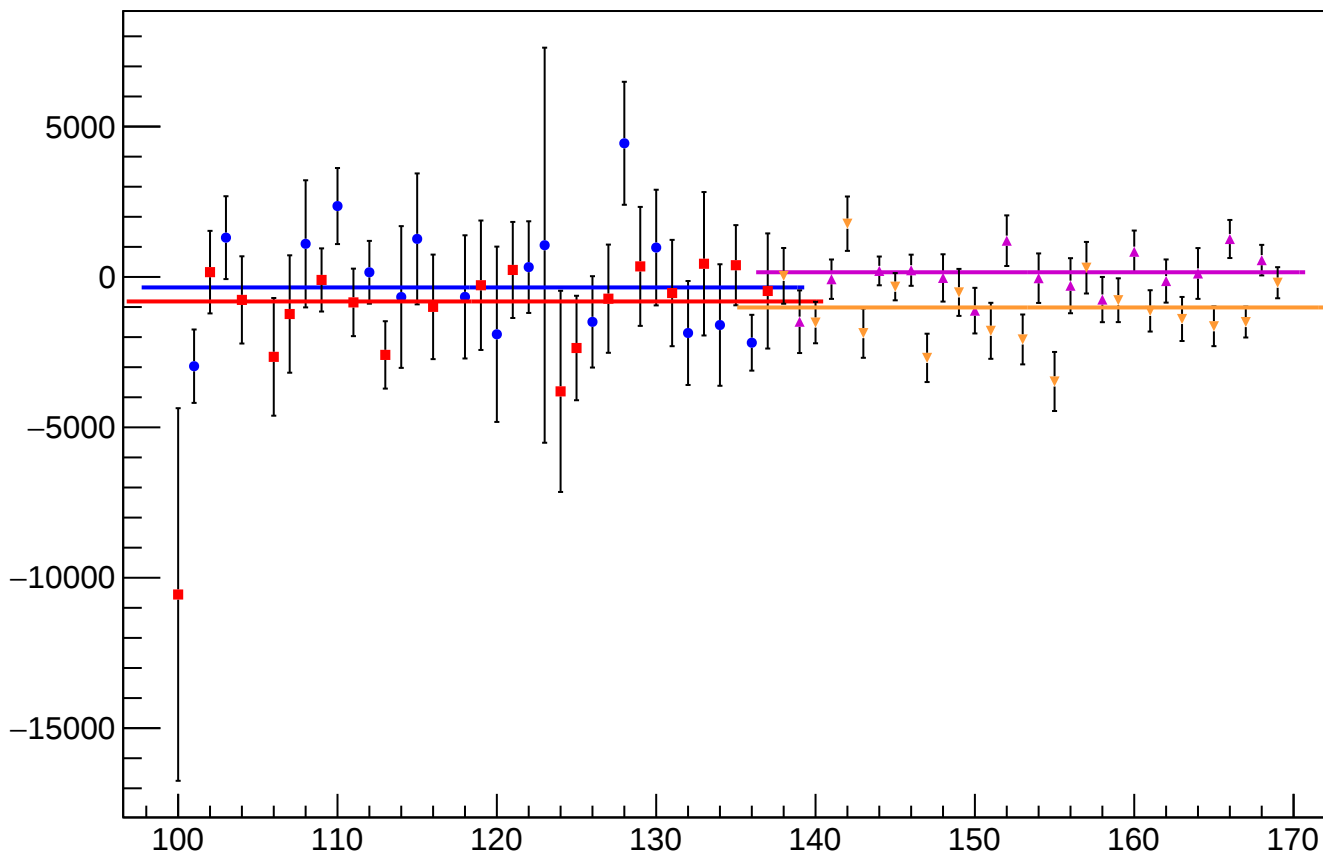
Left In: 63.762 $\pm$ 0.013 χ^2 /NDF: 338688.3/14

+ sign 65.814 $\pm$ 0.011 χ^2 /NDF: 1205400.7/33

All: 65.933 $\pm$ 0.008 χ^2 /NDF: 2404510.6/67

- sign 66.058 $\pm$ 0.011 χ^2 /NDF: 1198860.3/33

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -1013.918 ± 169.640 χ^2/NDF : 35.2/16

Right Out: -814.154 ± 369.807 χ^2/NDF : 10.5/18

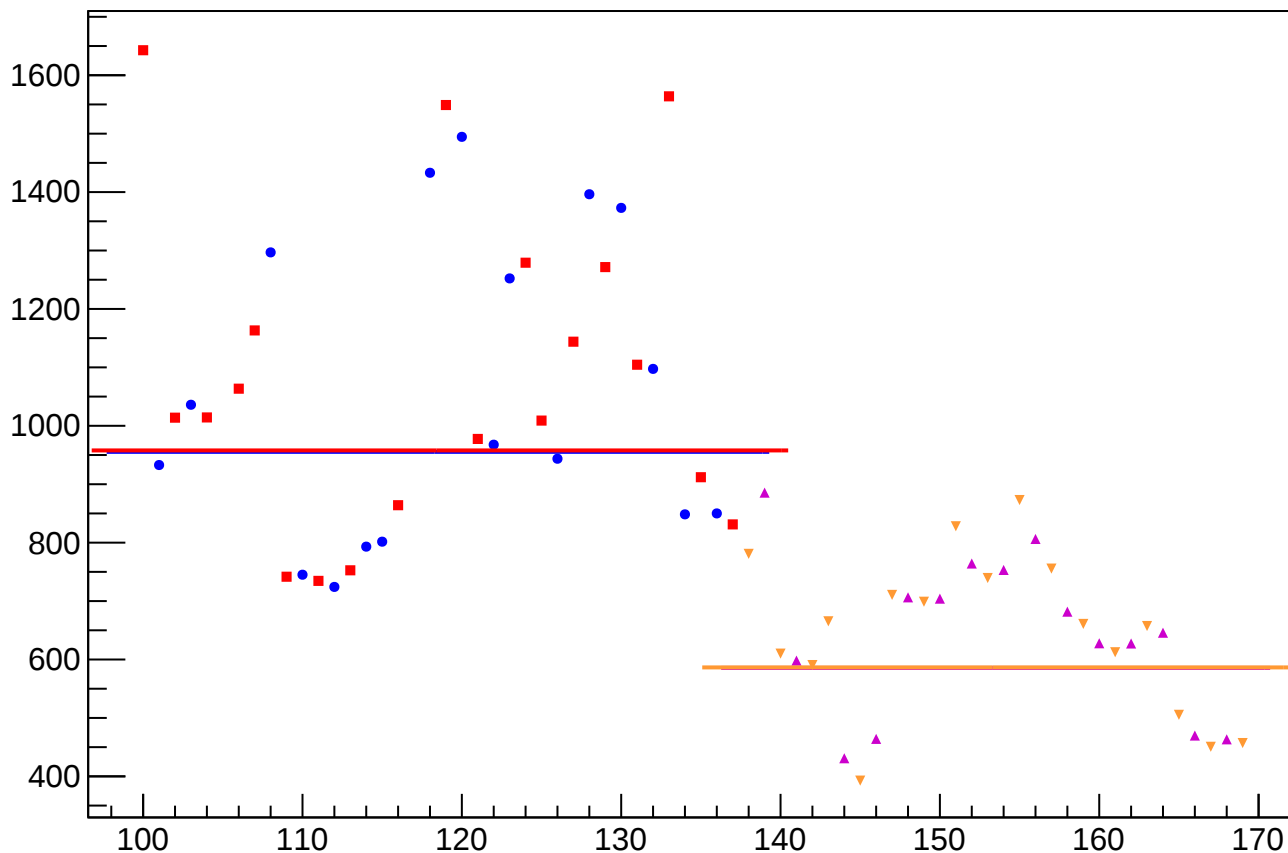
Left In: 156.314 ± 175.955 χ^2/NDF : 13.6/14

+ sign -904.212 ± 155.039 χ^2/NDF : 61.8/33

All: -474.321 ± 110.964 χ^2/NDF : 107.3/67

- sign -22.831 ± 158.886 χ^2/NDF : 29.7/33

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425 $\pm$ 0.270 χ^2/NDF : 646512.4/16

Left Out: 586.467 $\pm$ 0.120 χ^2/NDF :1352976.0/16

Right Out: 957.849 $\pm$ 0.261 χ^2/NDF : 693081.8/18

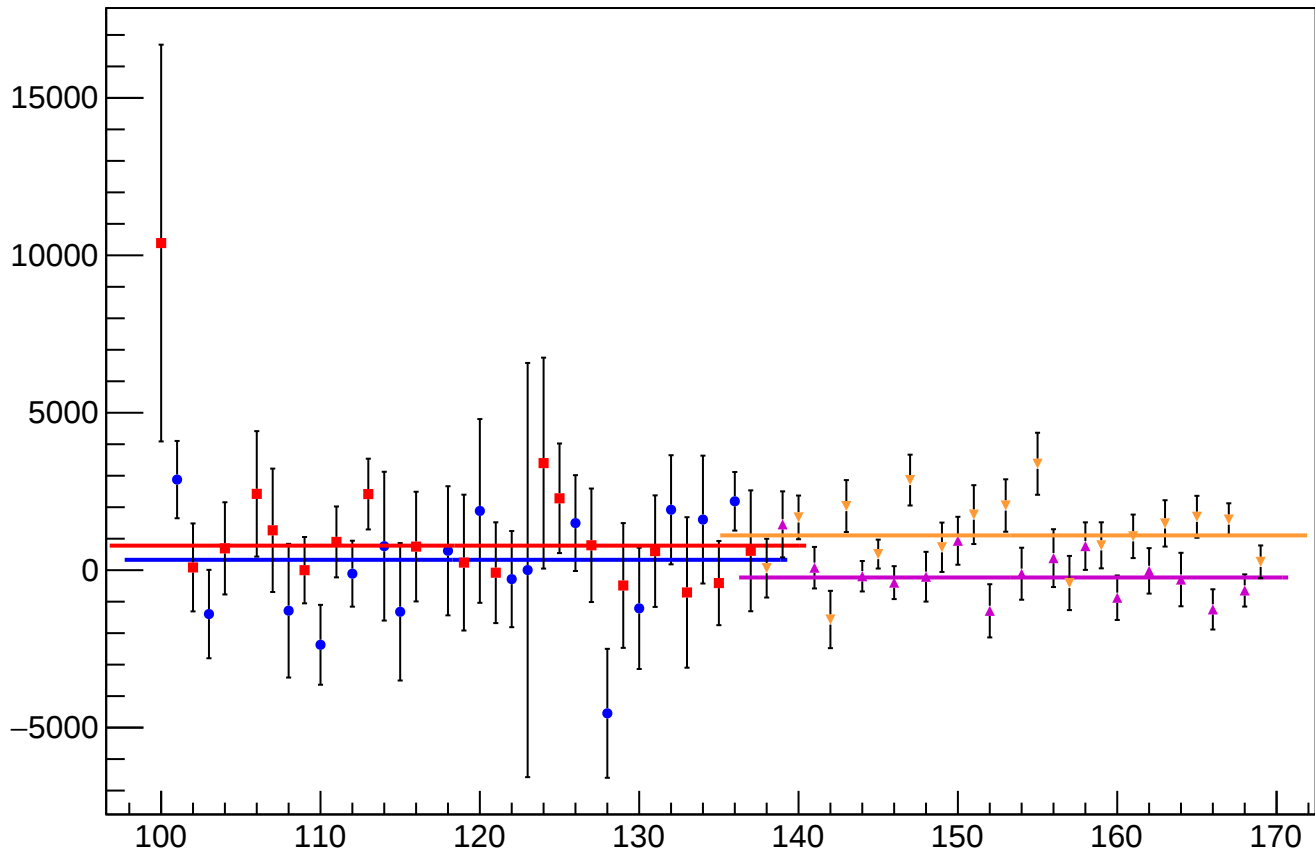
Left In: 585.610 $\pm$ 0.124 χ^2/NDF :1110841.4/14

+ sign 647.245 $\pm$ 0.110 χ^2/NDF : 3557965.2/33

All: 650.698 $\pm$ 0.078 χ^2/NDF : 7016245.9/67

- sign 654.324 $\pm$ 0.112 χ^2/NDF : 3456247.1/33

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 1104.349 ± 170.785 χ^2/NDF : 33.5/16

Right Out: 779.623 ± 371.673 χ^2/NDF : 9.3/18

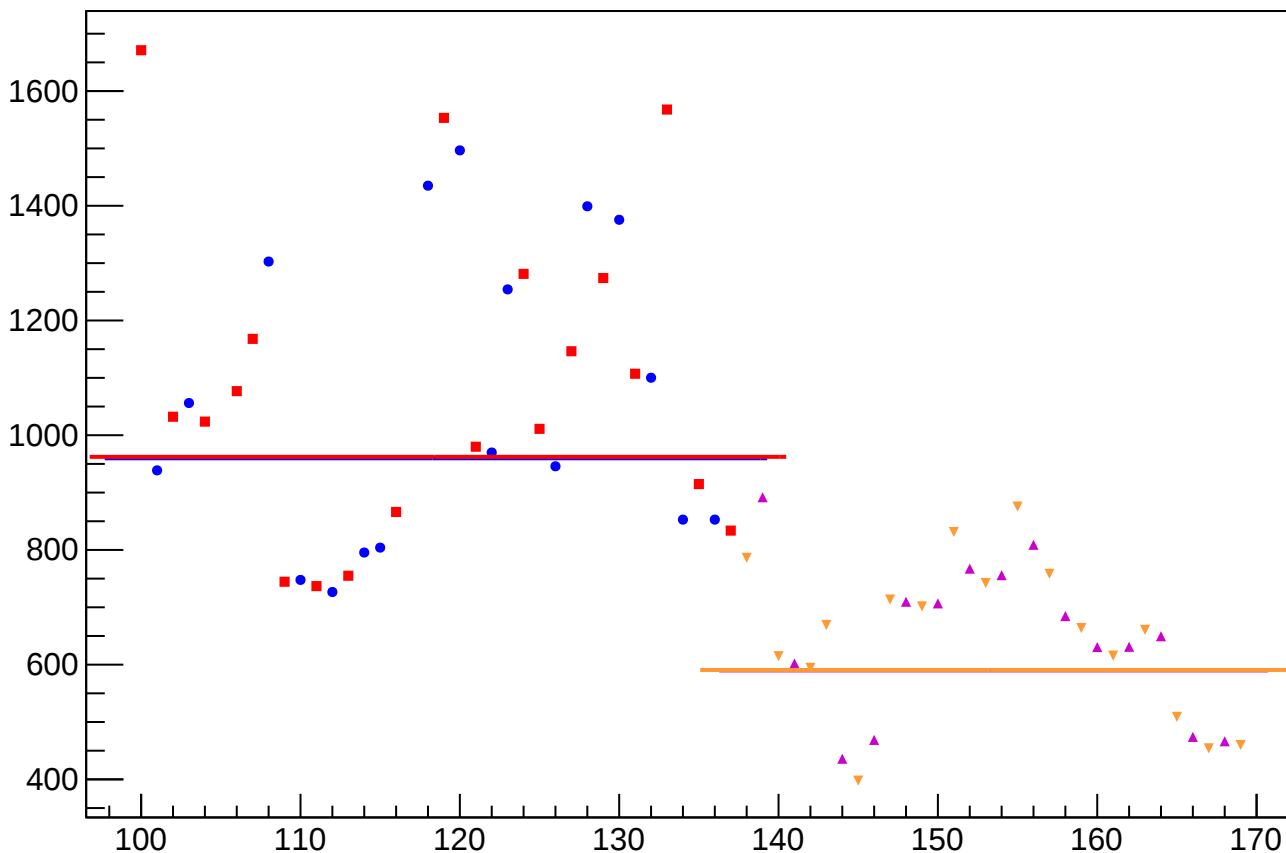
Left In: -231.952 ± 177.160 χ^2/NDF : 13.1/14

+ sign 976.184 ± 156.029 χ^2/NDF : 61.2/33

All: 478.333 ± 111.680 χ^2/NDF : 110.5/67

- sign -44.671 ± 159.922 χ^2/NDF : 28.5/33

asym_sam_37_avg_rms vs Slug



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 590.738 $\pm$ 0.121 χ^2 /NDF:1326850.4/16

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

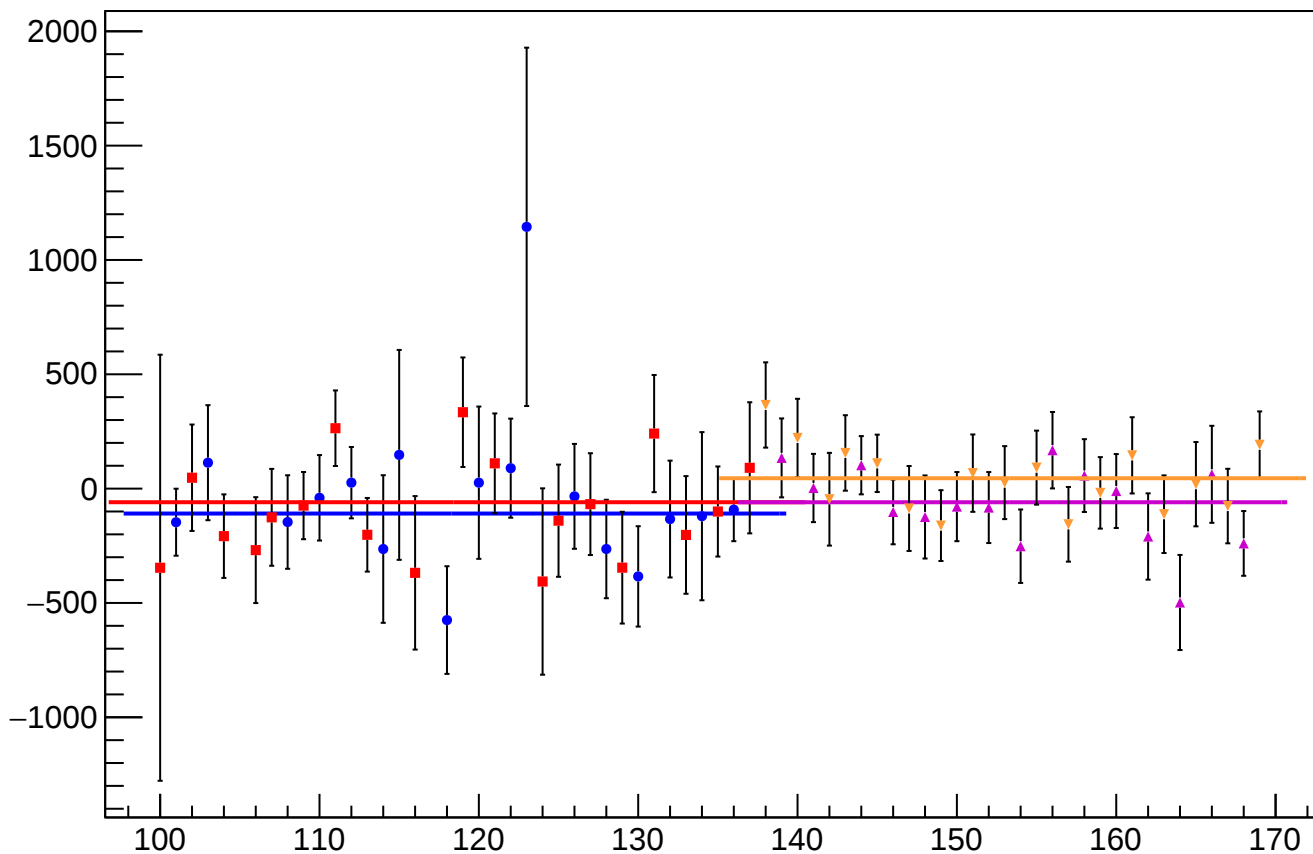
Left In: 589.928 $\pm$ 0.125 χ^2 /NDF:1089342.1/14

+ sign 651.752 $\pm$ 0.110 χ^2 /NDF: 3517496.7/33

All: 655.224 $\pm$ 0.079 χ^2 /NDF: 6940606.7/67

- sign 658.871 $\pm$ 0.113 χ^2 /NDF: 3421079.5/33

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 45.412 ± 39.728 χ^2/NDF : 11.8/16

Right Out: -59.475 ± 50.822 χ^2/NDF : 14.9/18

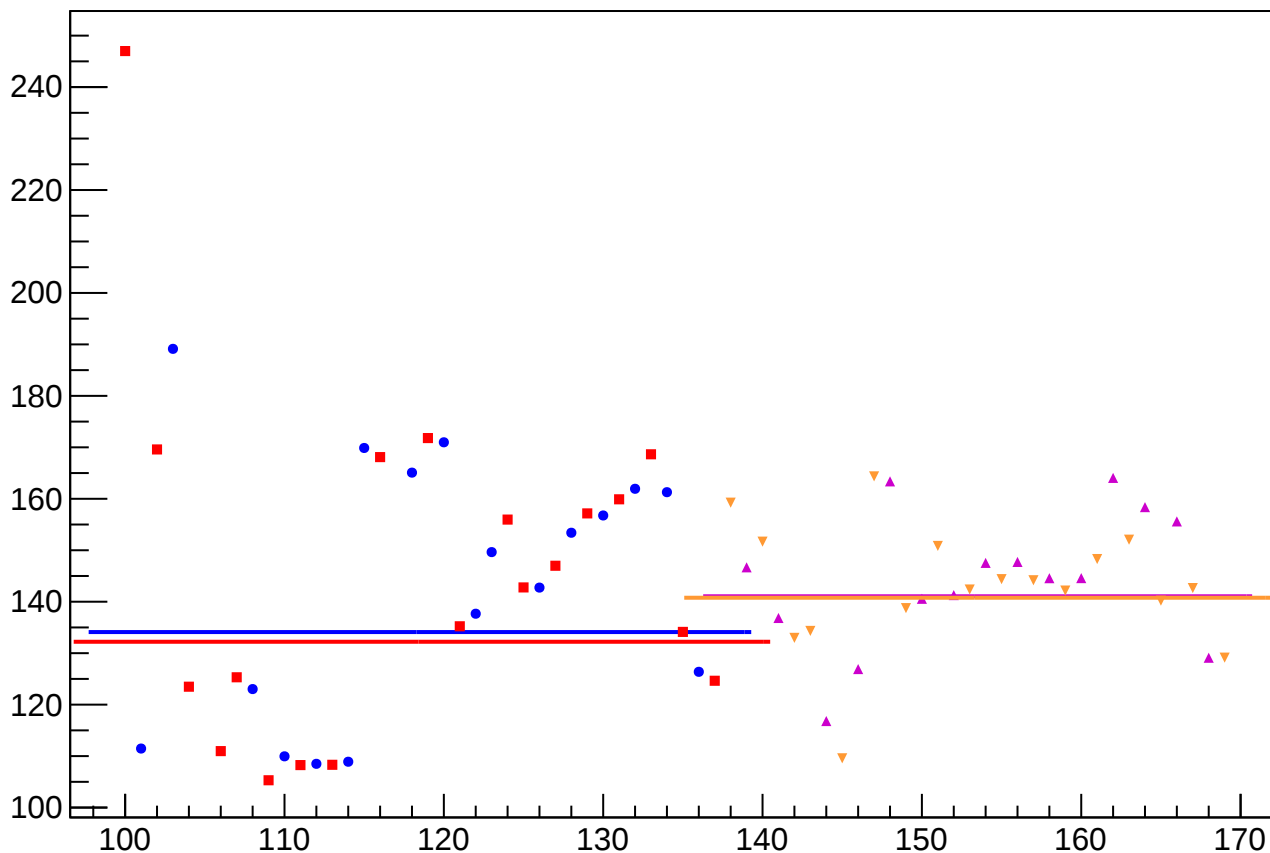
Left In: -59.610 ± 41.487 χ^2/NDF : 14.2/14

+ sign -10.232 ± 31.772 χ^2/NDF : 29.3/33

All: -34.611 ± 22.595 χ^2/NDF : 59.6/67

- sign -59.556 ± 32.138 χ^2/NDF : 29.1/33

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 140.773+/-0.028 χ^2/NDF :225205.5/16

Right Out: 132.219+/-0.036 χ^2/NDF : 441738.5/18

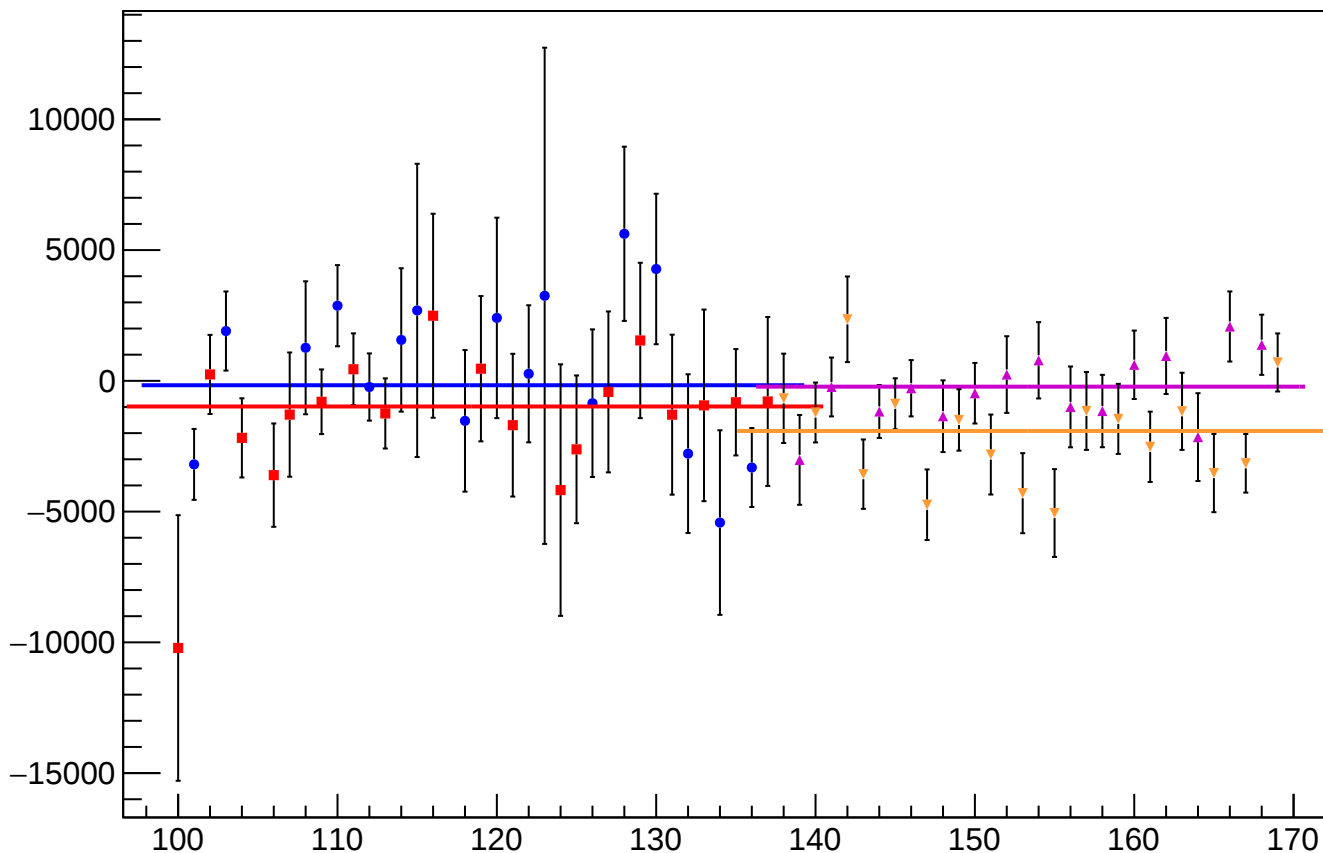
Left In: 141.059+/-0.029 χ^2/NDF :201978.2/14

+ sign 138.369+/-0.022 χ^2/NDF : 648102.5/33

All: 137.951+/-0.016 χ^2/NDF : 1328835.8/67

- sign 137.524+/-0.023 χ^2/NDF : 680034.3/33

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -1917.708 ± 321.776 χ^2/NDF : 29.9/16

Right Out: -980.517 ± 480.968 χ^2/NDF : 10.2/18

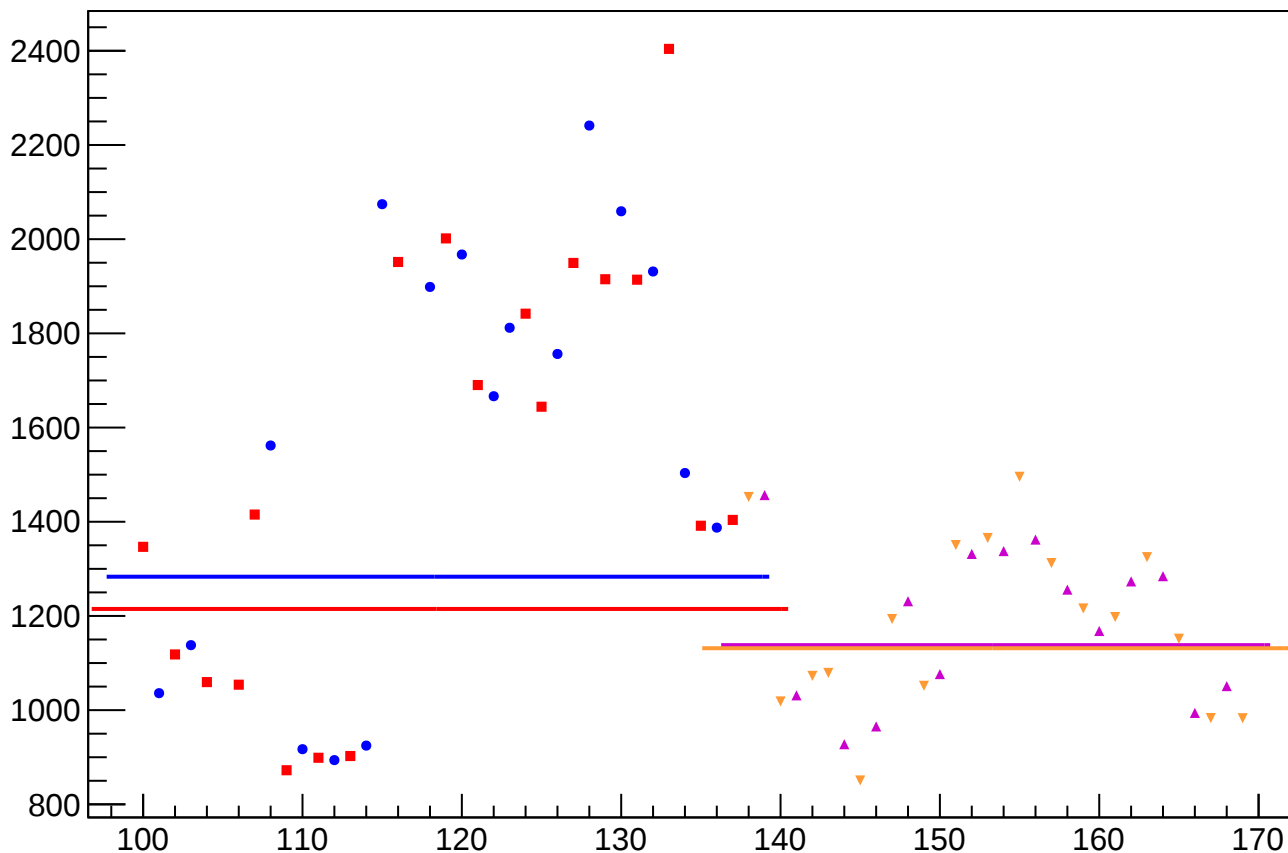
Left In: -222.599 ± 336.264 χ^2/NDF : 12.8/14

+ sign -1438.213 ± 274.156 χ^2/NDF : 63.4/33

All: -957.345 ± 194.363 χ^2/NDF : 94.2/67

- sign -471.436 ± 275.590 χ^2/NDF : 24.7/33

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1131.445+/-0.228 χ^2/NDF : 605062.6/16

Right Out: 1214.883+/-0.340 χ^2/NDF : 1360860.3/18

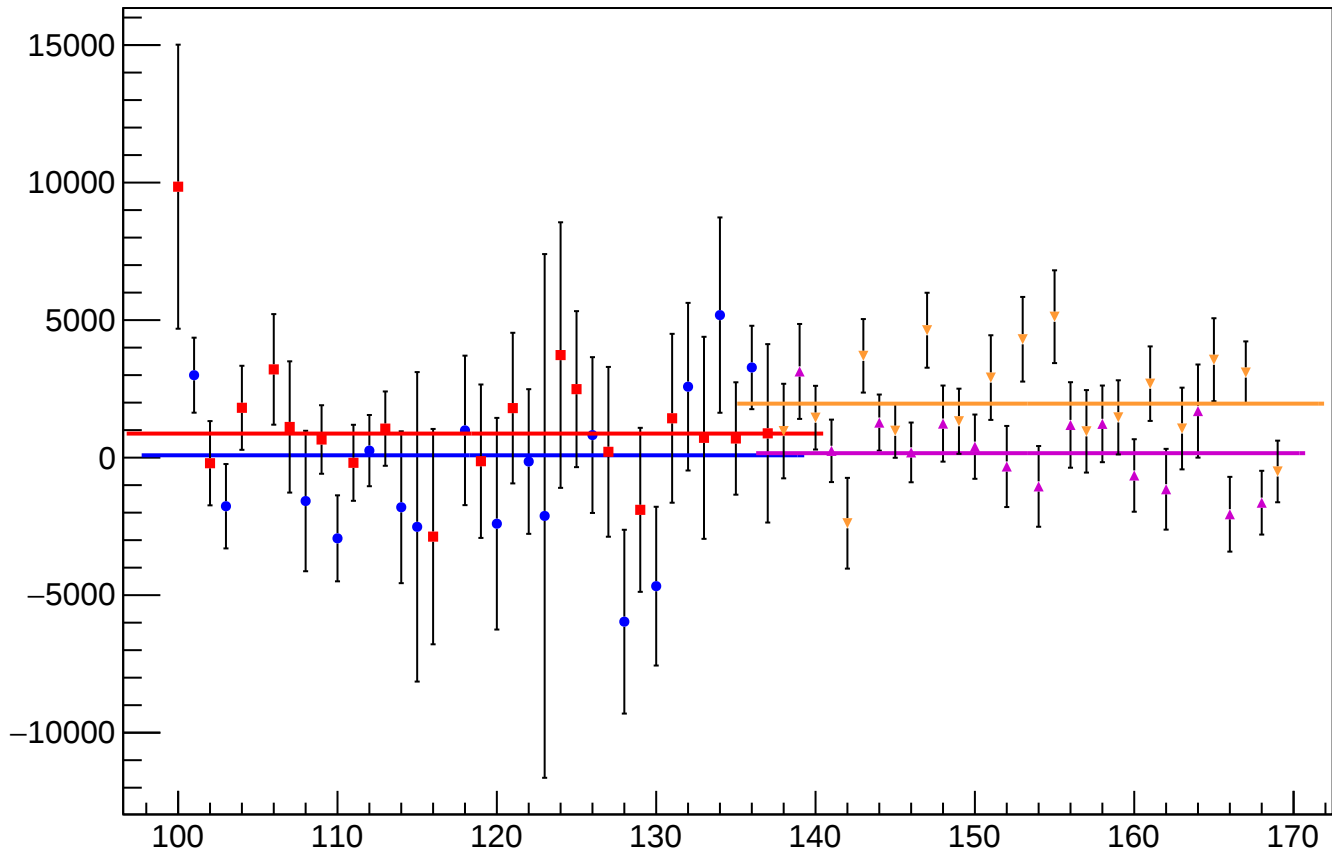
Left In: 1138.038+/-0.238 χ^2/NDF : 436538.0/14

+ sign 1173.071+/-0.194 χ^2/NDF : 1896605.7/33

All: 1168.195+/-0.137 χ^2/NDF : 3729568.1/67

- sign 1163.267+/-0.195 χ^2/NDF : 1831690.4/33

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 1962.908 ± 324.407 χ^2/NDF : 28.7/16

Right Out: 874.592 ± 484.647 χ^2/NDF : 8.7/18

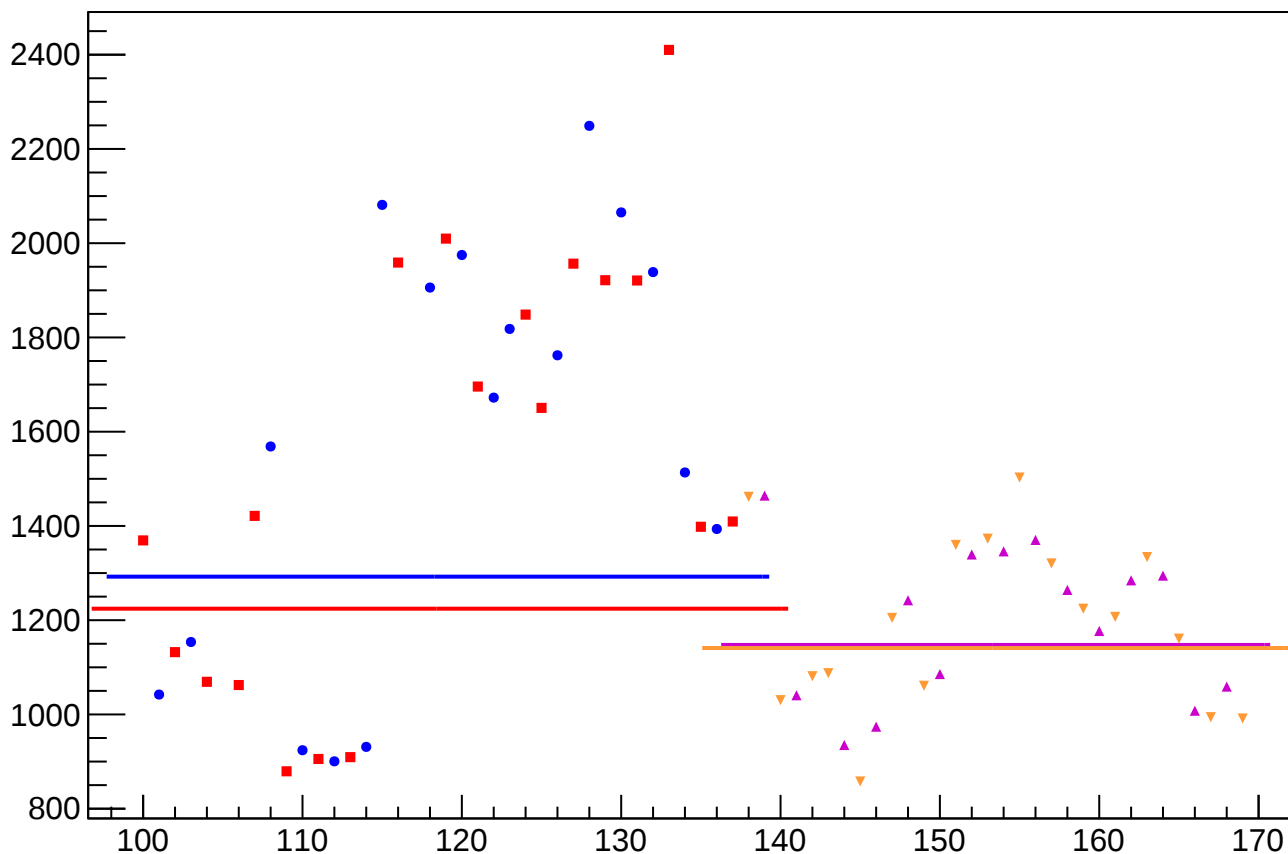
Left In: 162.045 ± 338.994 χ^2/NDF : 13.7/14

+ sign 1446.996 ± 276.273 χ^2/NDF : 62.6/33

All: 924.431 ± 195.887 χ^2/NDF : 93.6/67

- sign 396.133 ± 277.785 χ^2/NDF : 23.8/33

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1140.966+/-0.229 χ^2/NDF : 595624.7/16

Right Out: 1224.429+/-0.343 χ^2/NDF : 1345748.2/18

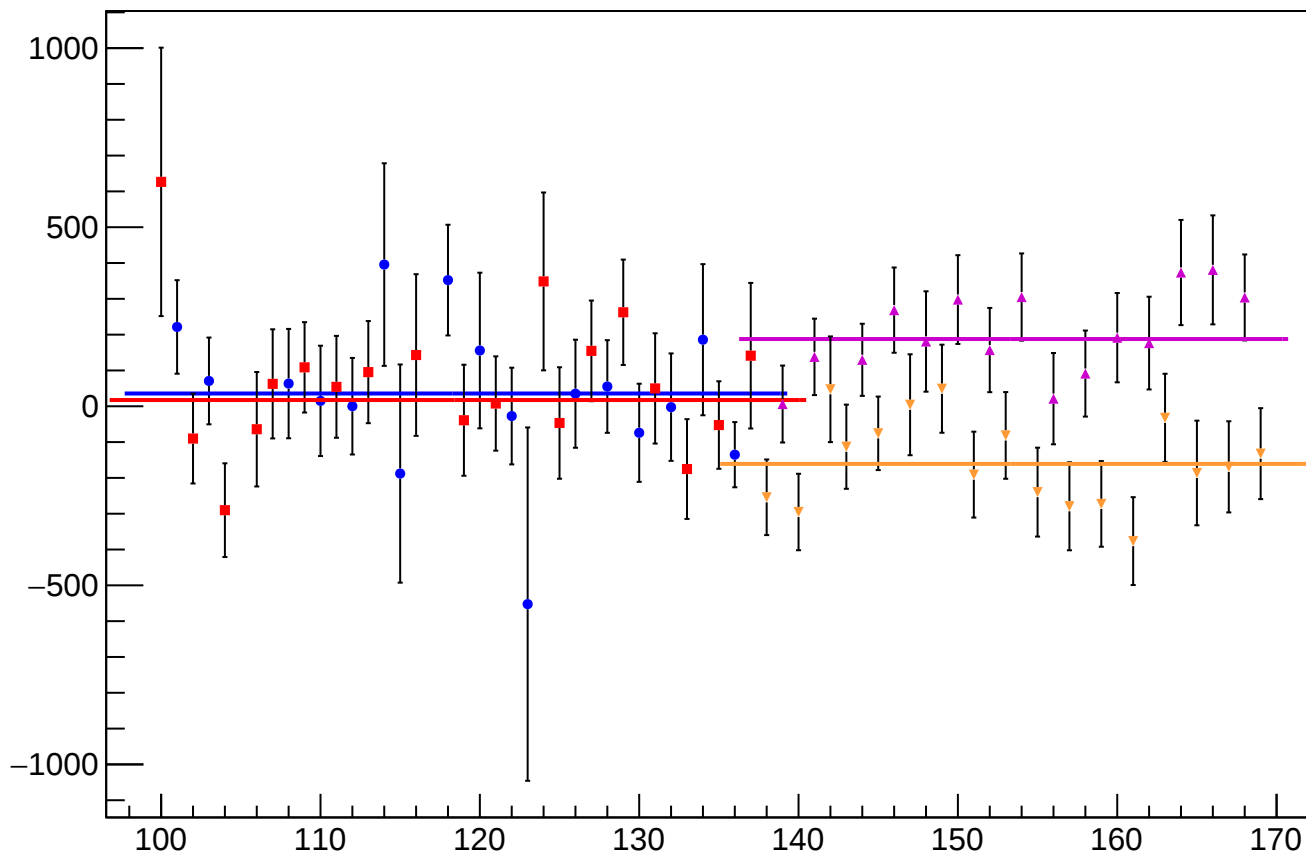
Left In: 1147.490+/-0.240 χ^2/NDF : 429672.2/14

+ sign 1182.578+/-0.195 χ^2/NDF : 1871974.1/33

All: 1177.699+/-0.139 χ^2/NDF : 3682495.1/67

- sign 1172.766+/-0.196 χ^2/NDF : 1809266.6/33

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -160.872 ± 29.499 $\chi^2/\text{NDF}: 16.5/16$

Right Out: 17.418 ± 34.691 $\chi^2/\text{NDF}: 18.9/18$

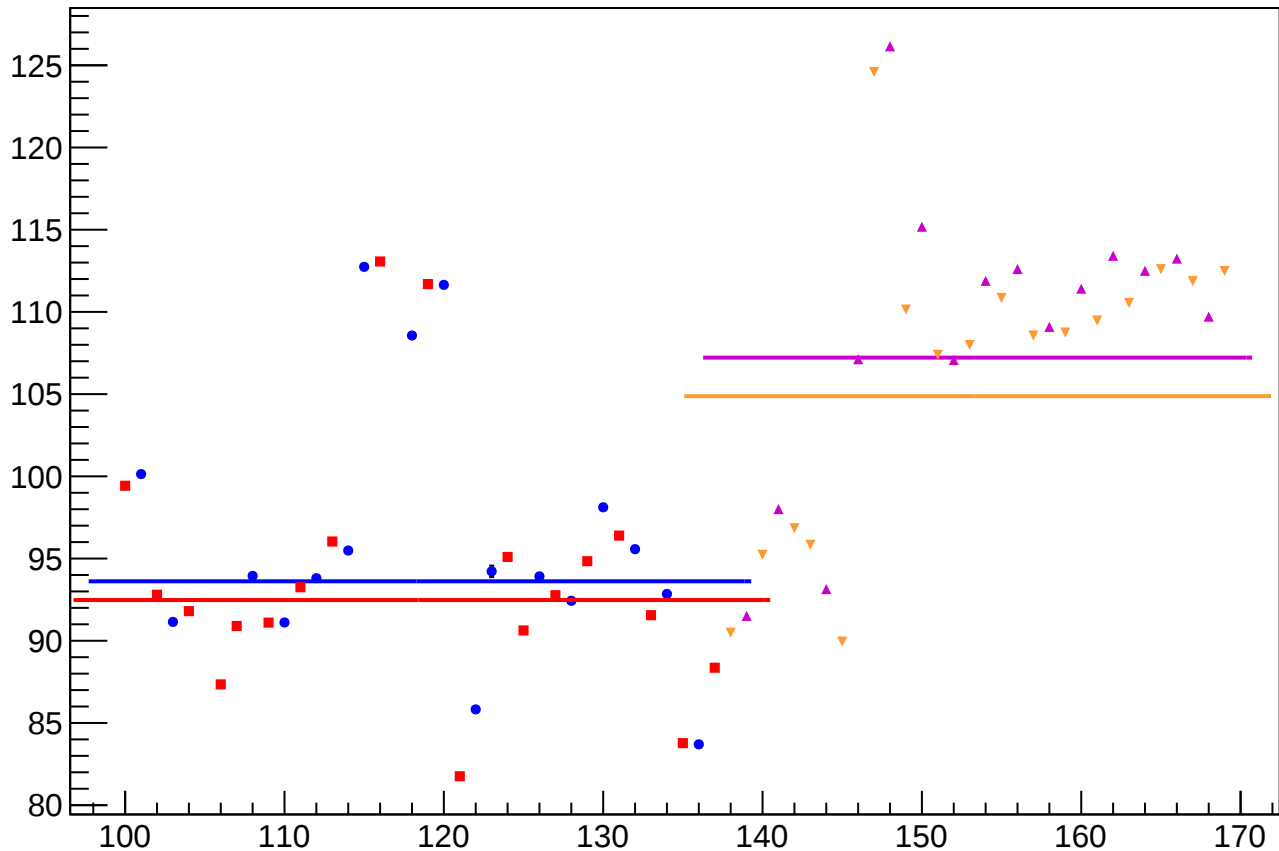
Left In: 187.779 ± 31.413 $\chi^2/\text{NDF}: 12.2/14$

+ sign -82.827 ± 22.906 $\chi^2/\text{NDF}: 49.4/33$

All: 12.506 ± 16.329 $\chi^2/\text{NDF}: 128.9/67$

- sign 111.025 ± 23.285 $\chi^2/\text{NDF}: 44.3/33$

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 104.875+/-0.021 χ^2/NDF : 192978.6/16

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

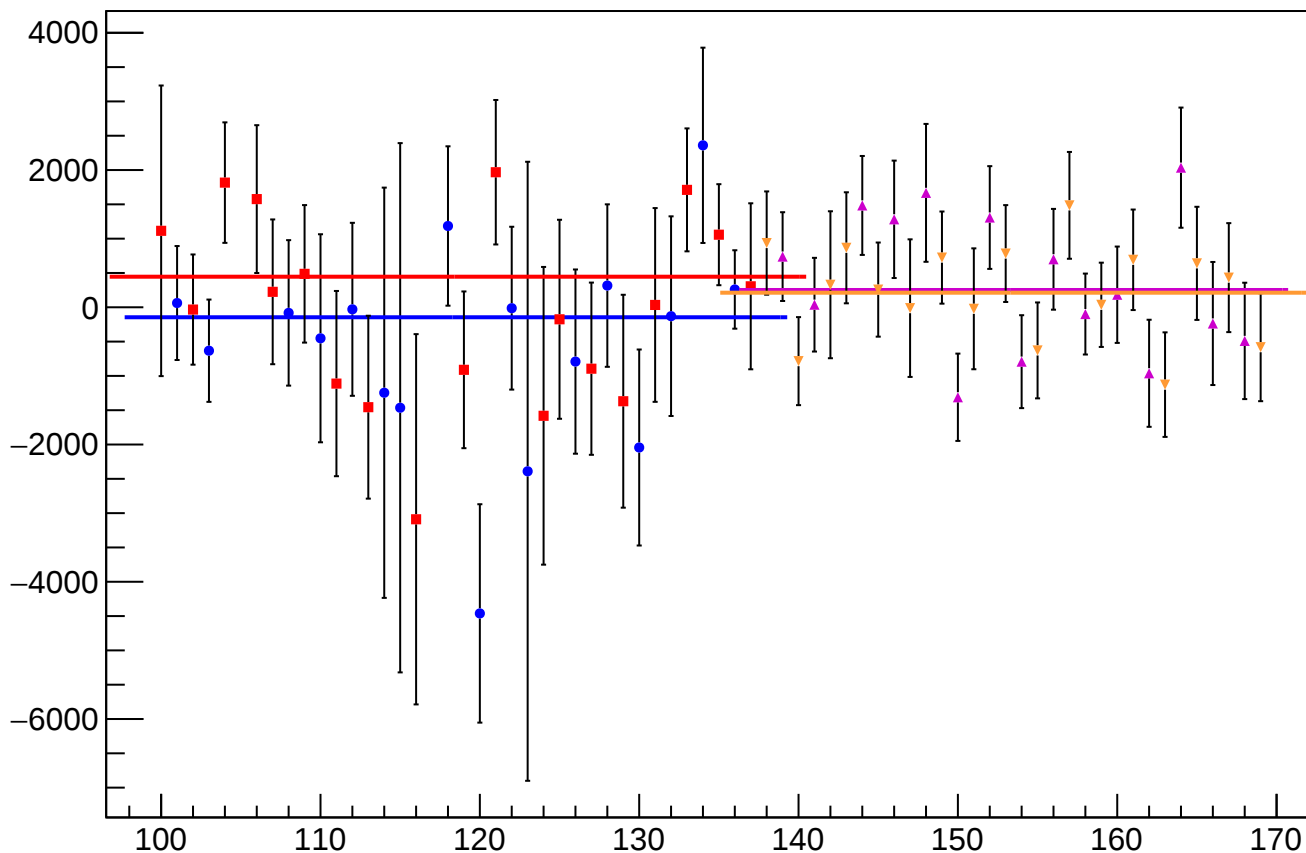
Left In: 107.220+/-0.022 χ^2/NDF : 161985.2/14

+ sign 100.405+/-0.016 χ^2/NDF : 388599.8/33

All: 100.490+/-0.012 χ^2/NDF : 827694.3/67

- sign 100.578+/-0.016 χ^2/NDF : 439038.3/33

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 212.429 ± 183.054 χ^2/NDF : 14.5/16

Right Out: 445.575 ± 260.276 χ^2/NDF : 19.0/18

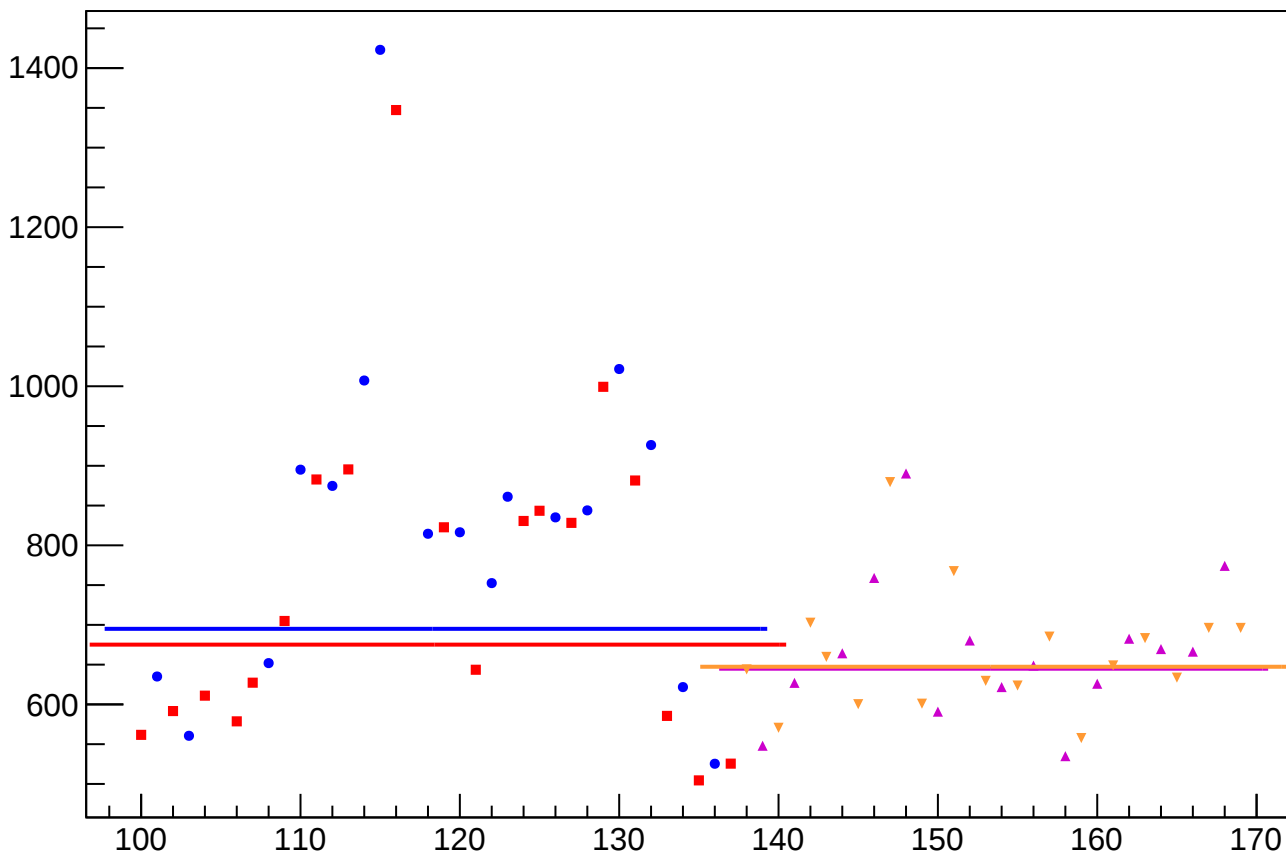
Left In: 251.929 ± 190.367 χ^2/NDF : 25.8/14

+ sign 103.437 ± 152.657 χ^2/NDF : 31.1/33

All: 210.725 ± 108.296 χ^2/NDF : 77.2/67

- sign 319.417 ± 153.654 χ^2/NDF : 45.1/33

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 ± 0.196 χ^2/NDF : 677713.0/16

Left Out: 647.339 ± 0.129 χ^2/NDF : 269133.2/16

Right Out: 675.151 ± 0.184 χ^2/NDF : 676394.1/18

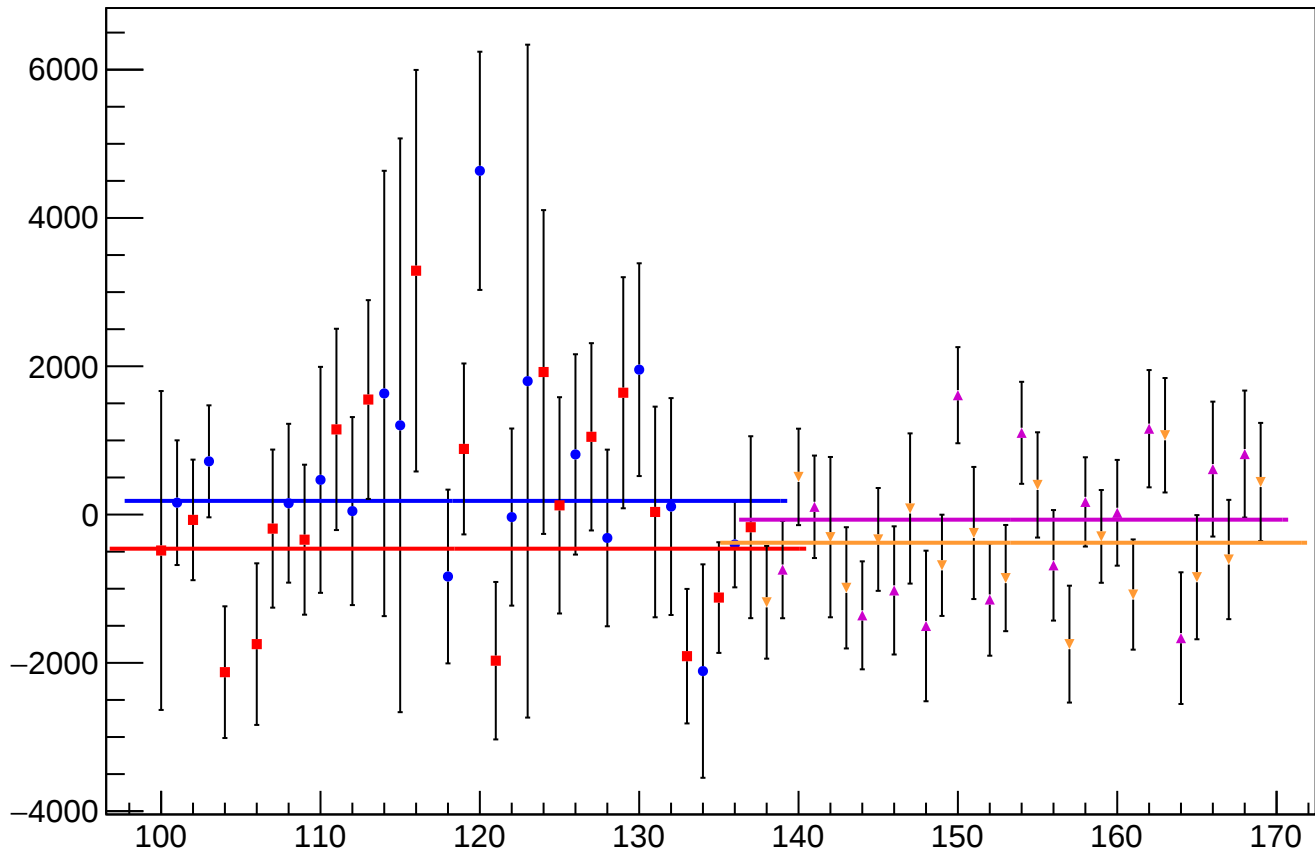
Left In: 644.884 ± 0.135 χ^2/NDF : 348743.5/14

+ sign 661.857 ± 0.108 χ^2/NDF : 988159.9/33

All: 658.666 ± 0.077 χ^2/NDF : 2032677.1/67

- sign 655.432 ± 0.109 χ^2/NDF : 1042757.3/33

asym_sam_15_dd_mean vs Slug



Right In: 184.518 $\pm$ 279.390 χ^2/NDF : 14.9/16

Left Out: -379.989 $\pm$ 185.572 χ^2/NDF : 14.5/16

Right Out: -460.174 $\pm$ 262.960 χ^2/NDF : 22.3/18

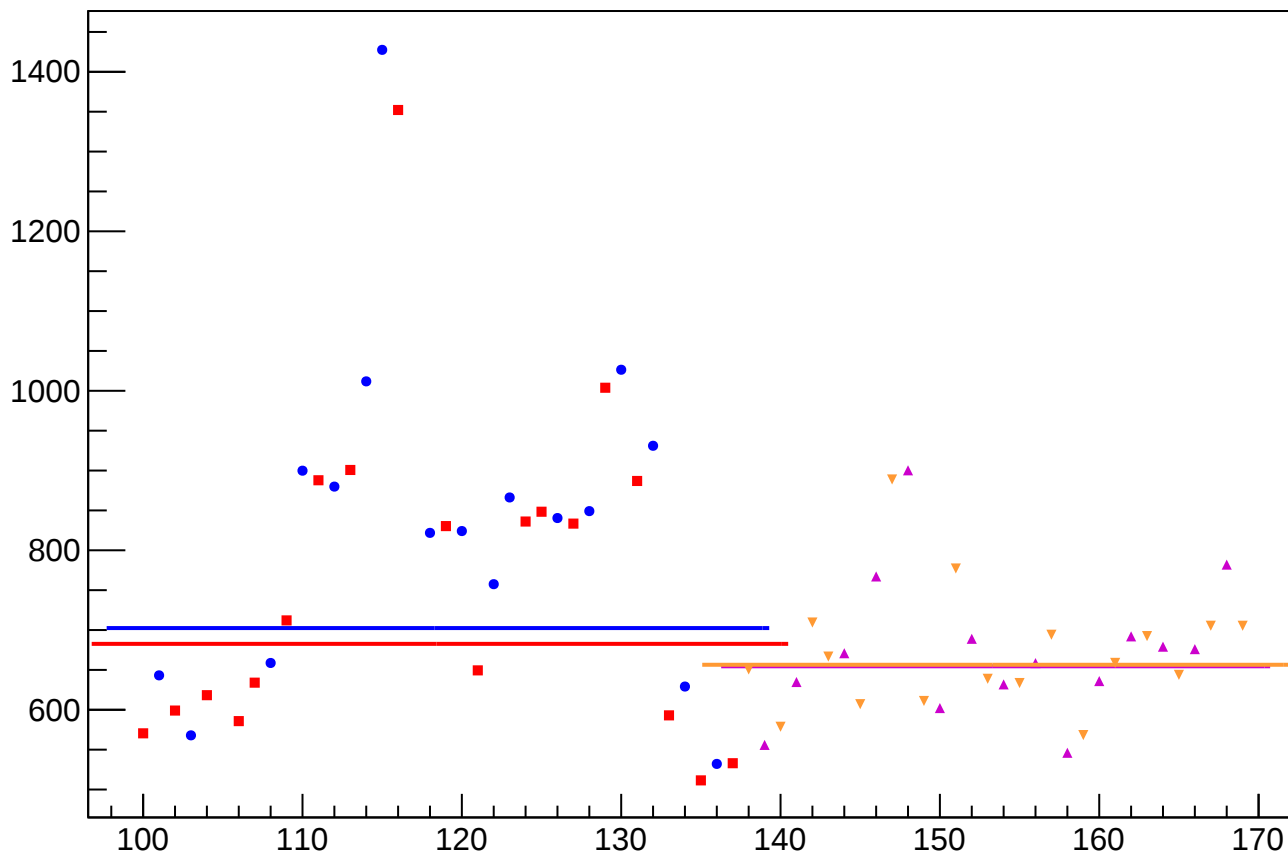
Left In: -68.990 $\pm$ 193.133 χ^2/NDF : 27.2/14

+ sign -207.184 $\pm$ 154.580 χ^2/NDF : 32.3/33

All: -206.628 $\pm$ 109.685 χ^2/NDF : 83.2/67

- sign -206.065 $\pm$ 155.660 χ^2/NDF : 50.9/33

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 656.450+/-0.131 χ^2/NDF : 262101.2/16

Right Out: 682.662+/-0.186 χ^2/NDF : 659521.7/18

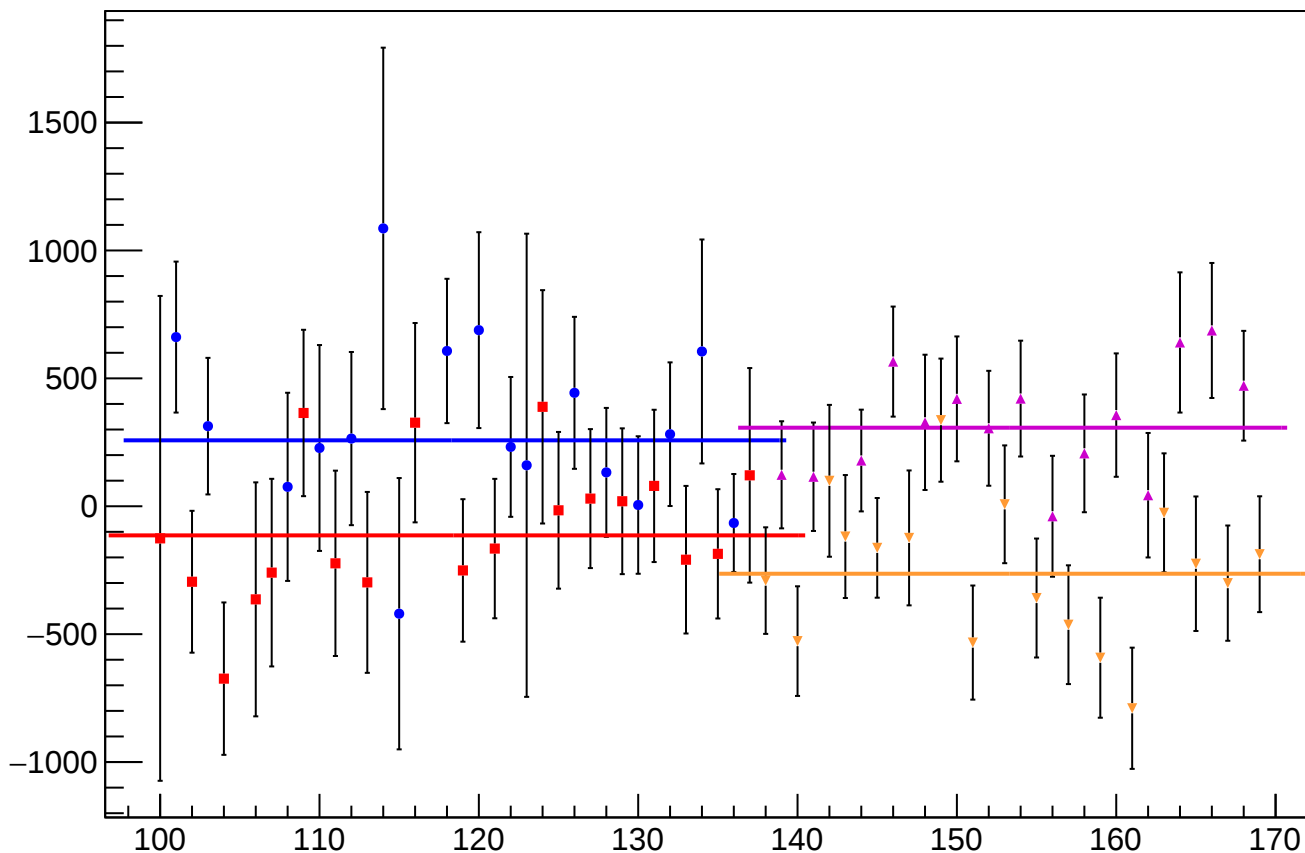
Left In: 654.530+/-0.137 χ^2/NDF : 336134.5/14

+ sign 670.537+/-0.109 χ^2/NDF : 960276.5/33

All: 667.484+/-0.078 χ^2/NDF : 1972373.8/67

- sign 664.387+/-0.110 χ^2/NDF : 1010525.5/33

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 χ^2/NDF : 13.0/16

Left Out: -263.802 ± 56.291 χ^2/NDF : 22.0/16

Right Out: -113.851 ± 74.211 χ^2/NDF : 11.2/18

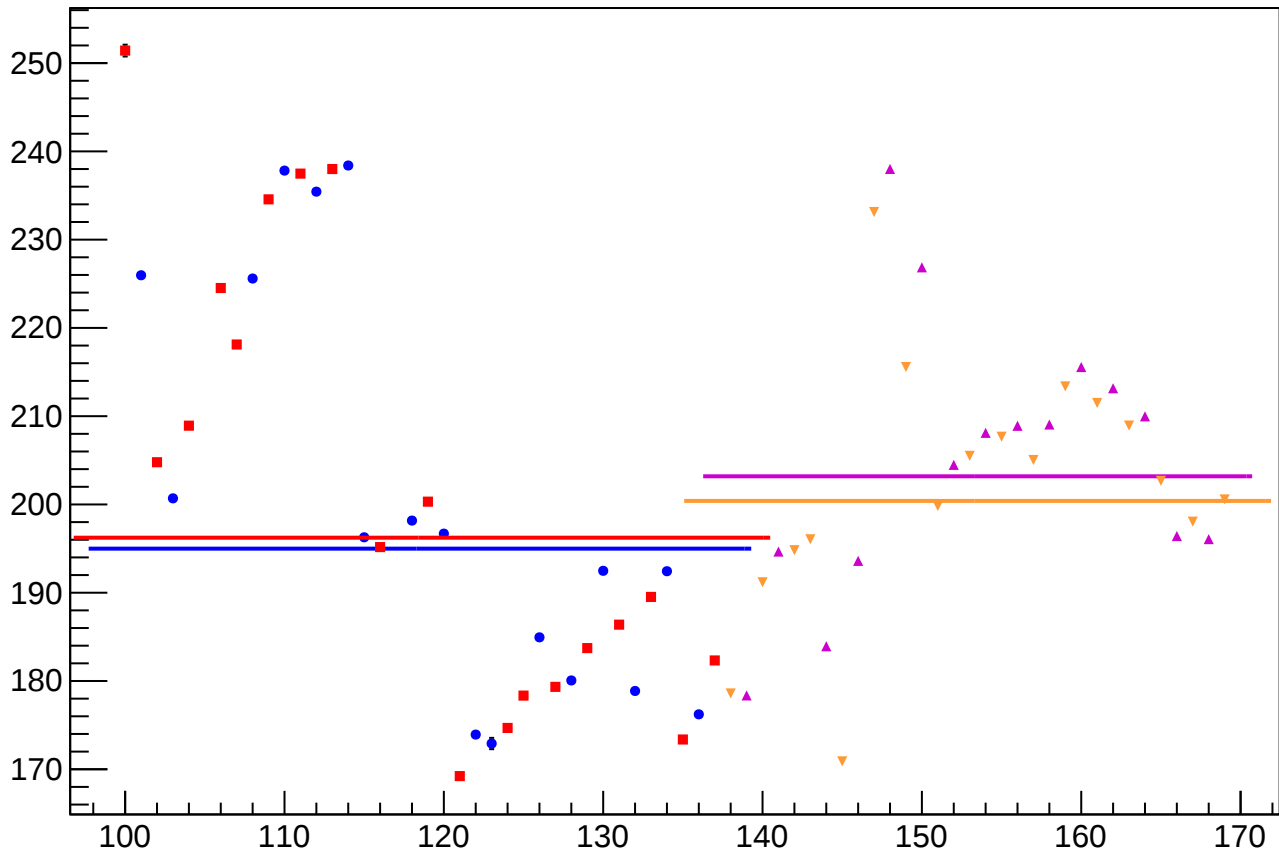
Left In: 307.096 ± 59.484 χ^2/NDF : 11.6/14

+ sign -78.835 ± 45.220 χ^2/NDF : 65.5/33

All: 28.917 ± 32.389 χ^2/NDF : 119.6/67

- sign 142.435 ± 46.414 χ^2/NDF : 42.4/33

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 200.402 $\pm$ 0.040 χ^2 /NDF:128919.3/16

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

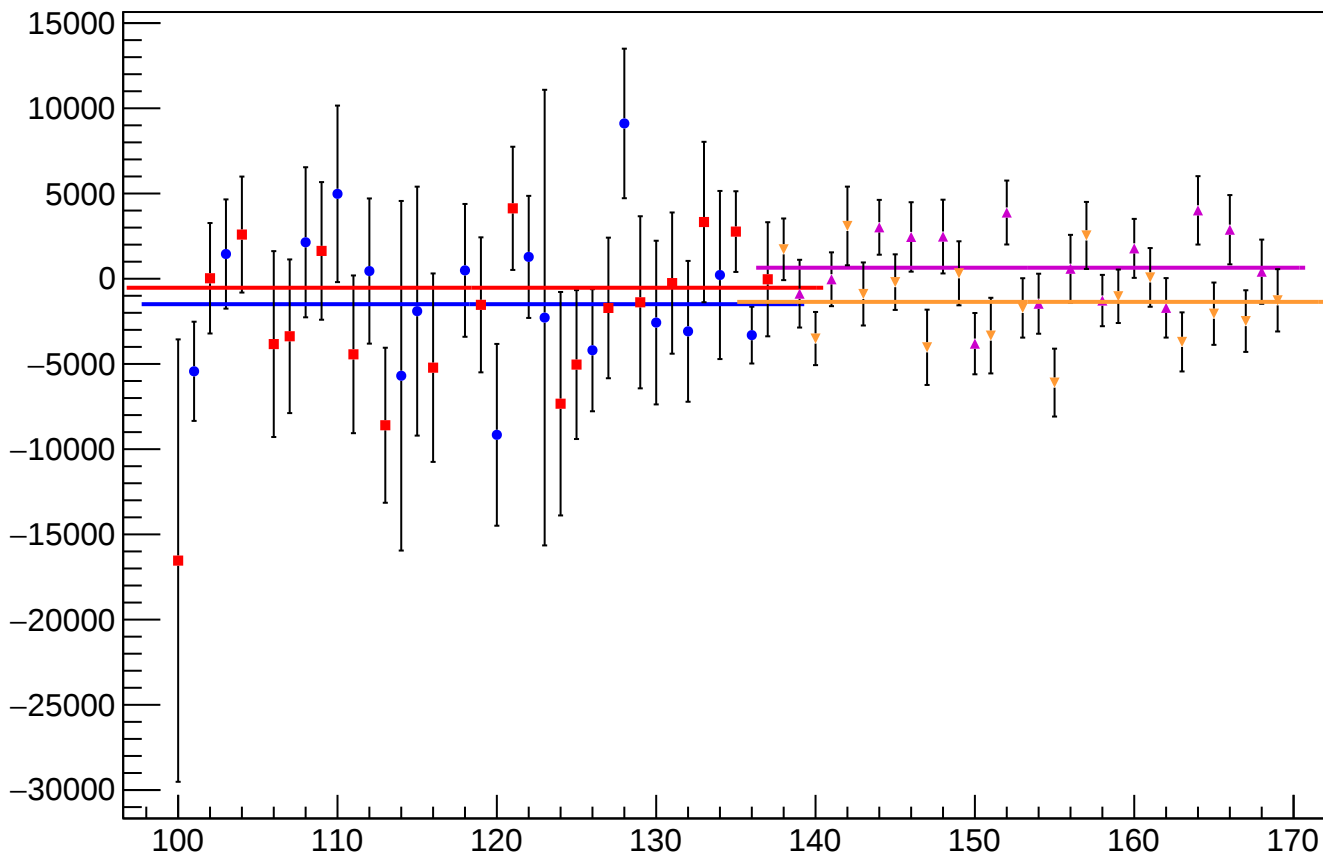
Left In: 203.189 $\pm$ 0.042 χ^2 /NDF:124419.7/14

+ sign 198.484 $\pm$ 0.032 χ^2 /NDF: 279735.8/33

All: 199.451 $\pm$ 0.023 χ^2 /NDF: 590217.7/67

- sign 200.469 $\pm$ 0.033 χ^2 /NDF: 308604.8/33

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -1357.673 ± 443.487 χ^2/NDF : 24.9/16

Right Out: -528.758 ± 934.718 χ^2/NDF : 14.6/18

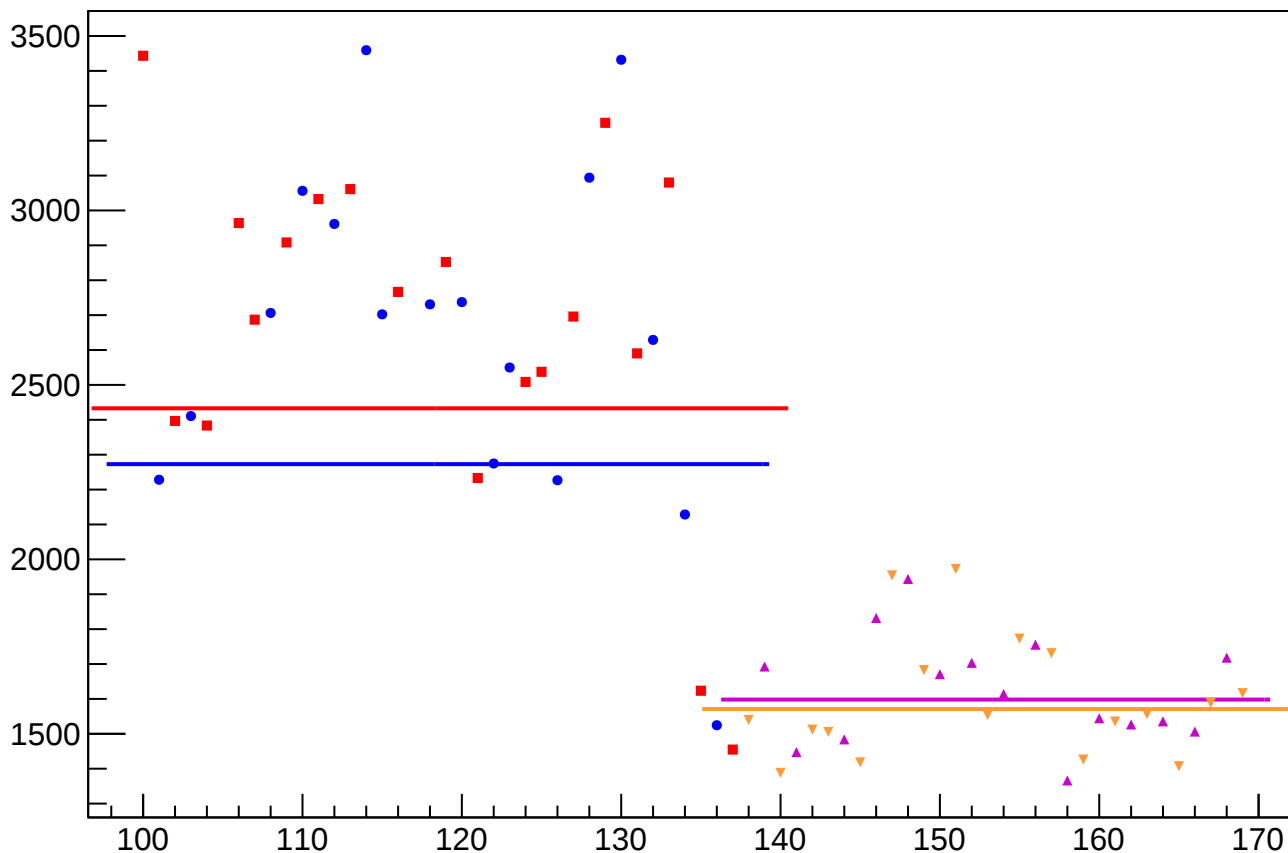
Left In: 645.751 ± 469.304 χ^2/NDF : 22.9/14

+ sign -1383.661 ± 398.734 χ^2/NDF : 41.1/33

All: -532.468 ± 288.980 χ^2/NDF : 89.5/67

- sign 409.284 ± 419.409 χ^2/NDF : 38.8/33

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883 ± 0.644 χ^2/NDF : 805650.3/16

Left Out: 1570.935 ± 0.314 χ^2/NDF : 251732.2/16

Right Out: 2432.950 ± 0.661 χ^2/NDF : 680783.9/18

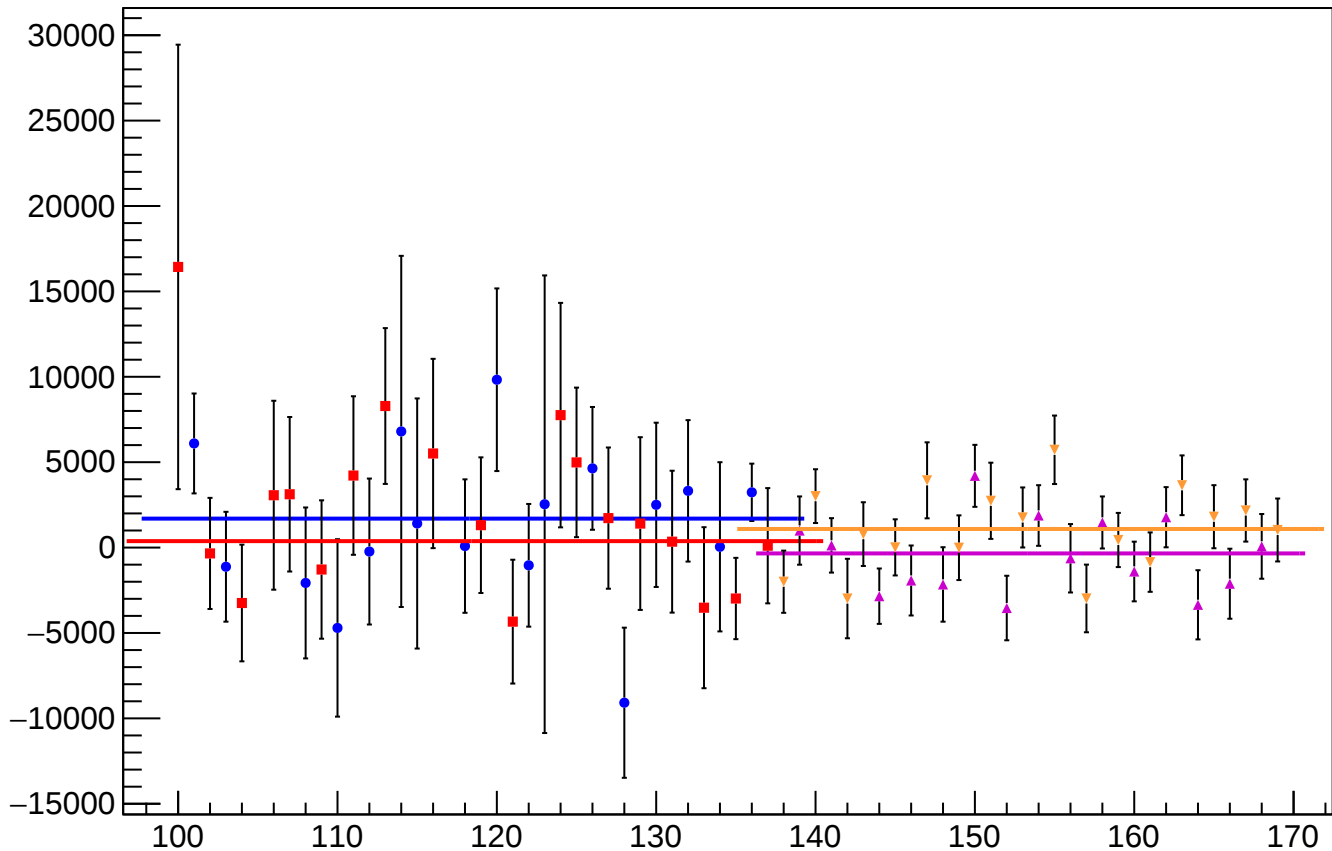
Left In: 1598.144 ± 0.332 χ^2/NDF : 199288.2/14

+ sign 1705.457 ± 0.282 χ^2/NDF : 2017593.6/33

All: 1734.303 ± 0.204 χ^2/NDF : 4193820.7/67

- sign 1766.218 ± 0.297 χ^2/NDF : 2154178.9/33

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 ± 914.855 $\chi^2/\text{NDF}: 16.6/16$

Left Out: 1089.140 ± 447.233 $\chi^2/\text{NDF}: 24.2/16$

Right Out: 377.629 ± 938.528 $\chi^2/\text{NDF}: 15.0/18$

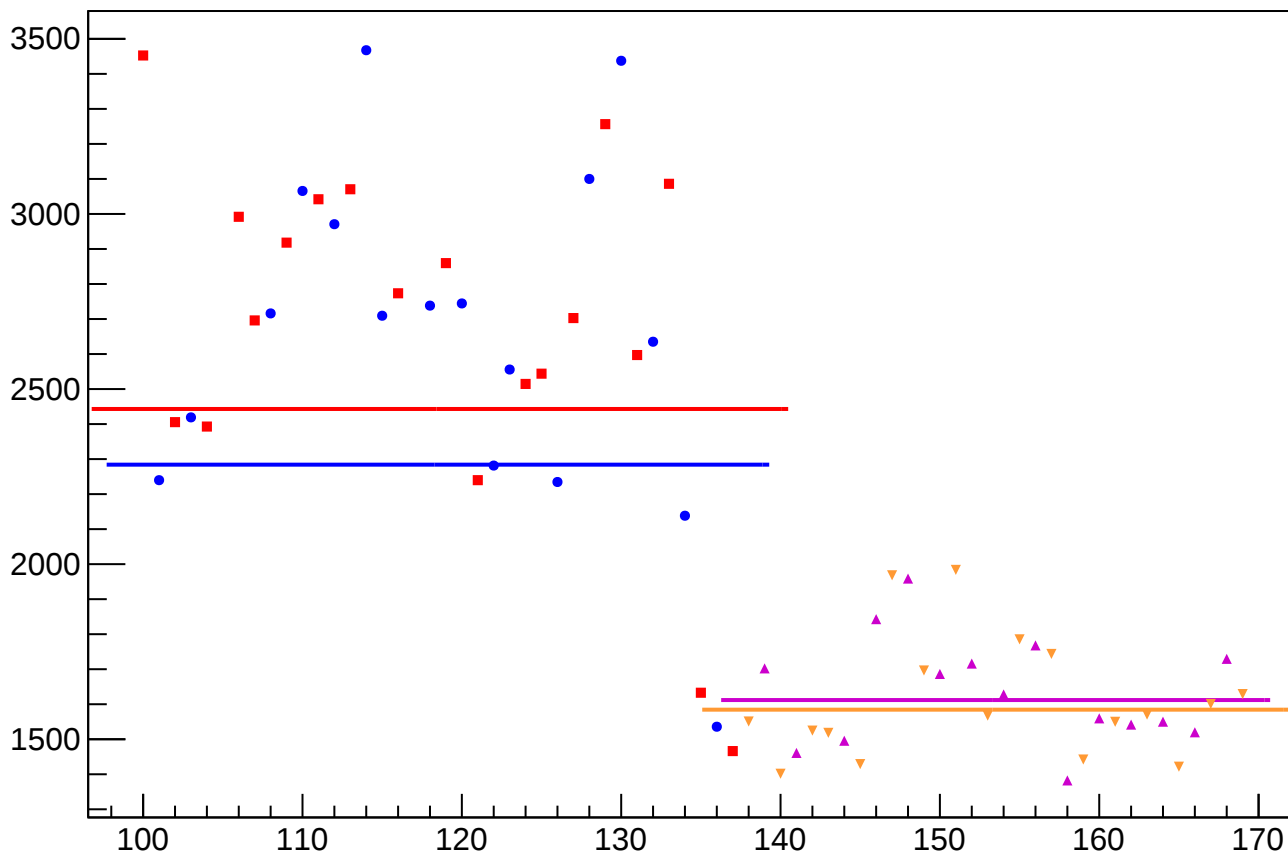
Left In: -341.780 ± 473.280 $\chi^2/\text{NDF}: 21.2/14$

+ sign 1206.186 ± 401.792 $\chi^2/\text{NDF}: 41.1/33$

All: 540.478 ± 291.185 $\chi^2/\text{NDF}: 83.5/67$

- sign -195.927 ± 422.589 $\chi^2/\text{NDF}: 36.6/33$

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1584.477+/-0.316 χ^2/NDF : 246937.1/16

Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

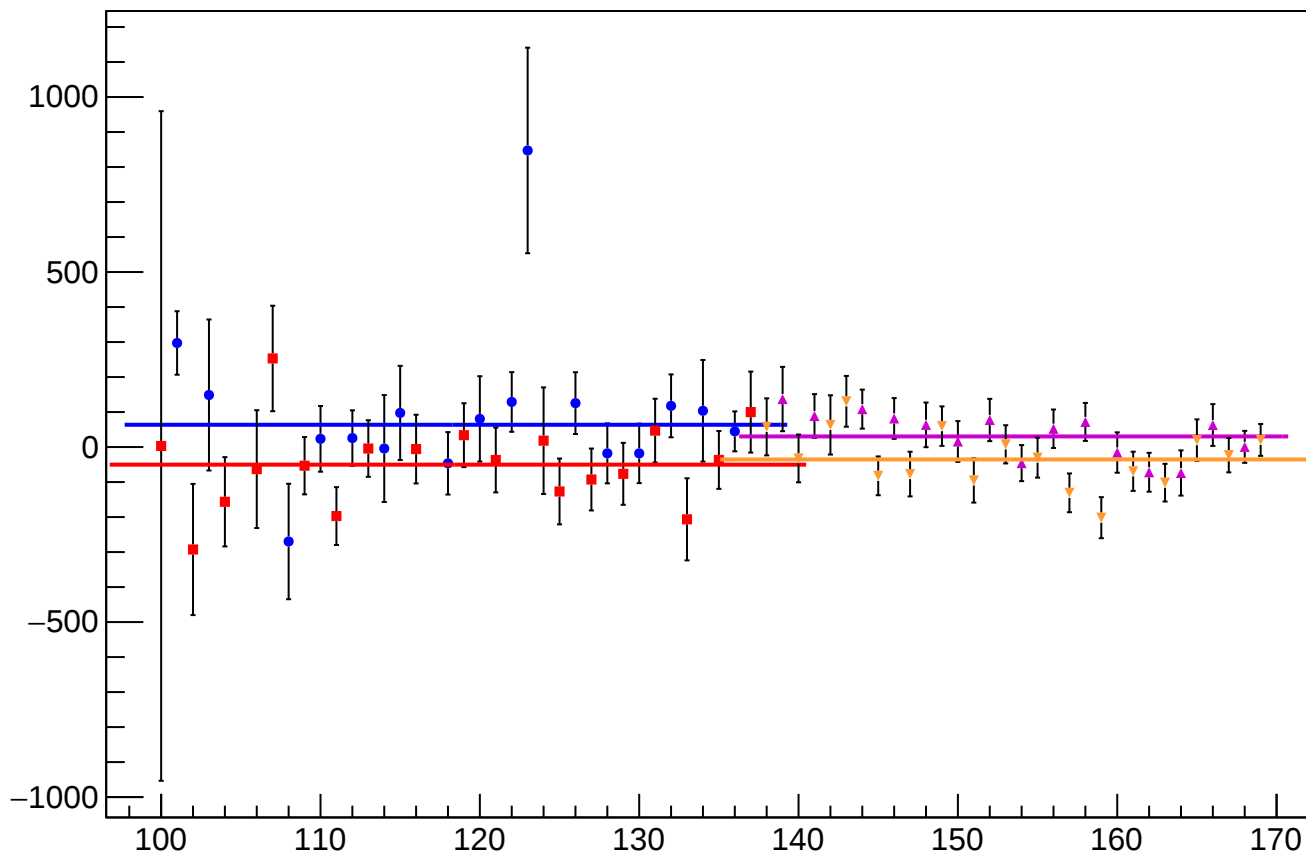
Left In: 1611.956+/-0.335 χ^2/NDF : 194113.8/14

+ sign 1719.424+/-0.284 χ^2/NDF : 1984977.7/33

All: 1748.407+/-0.206 χ^2/NDF : 4124492.2/67

- sign 1780.468+/-0.299 χ^2/NDF : 2117595.9/33

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 +/- 23.743 χ^2/NDF : 23.7/16

Left Out: -35.398 +/- 14.236 χ^2/NDF : 28.8/16

Right Out: -50.278 +/- 23.661 χ^2/NDF : 16.8/18

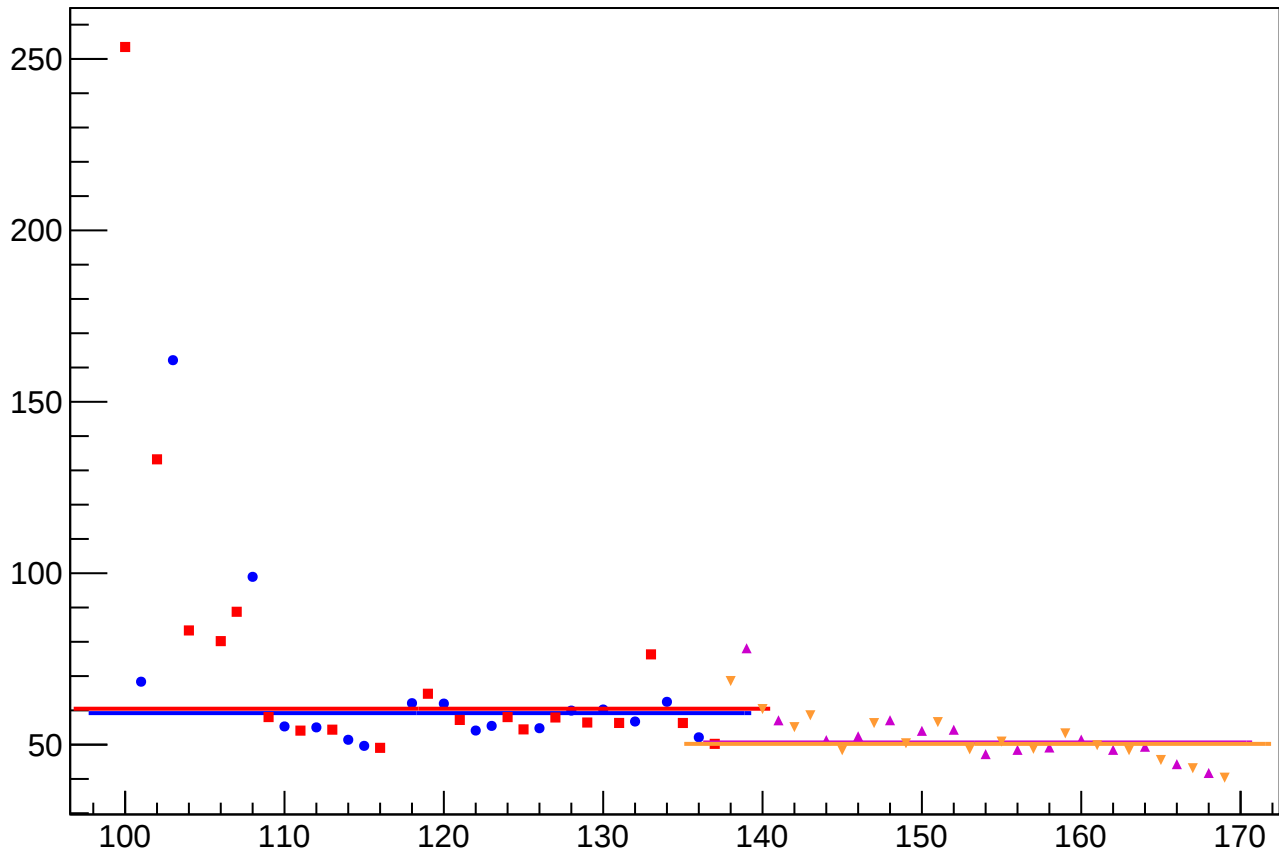
Left In: 30.346 +/- 14.946 χ^2/NDF : 16.2/14

+ sign -9.200 +/- 12.210 χ^2/NDF : 65.2/33

All: -1.209 +/- 8.781 χ^2/NDF : 107.4/67

- sign 7.351 +/- 12.636 χ^2/NDF : 41.3/33

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 50.231 $\pm$ 0.010 χ^2 /NDF: 378309.0/16

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

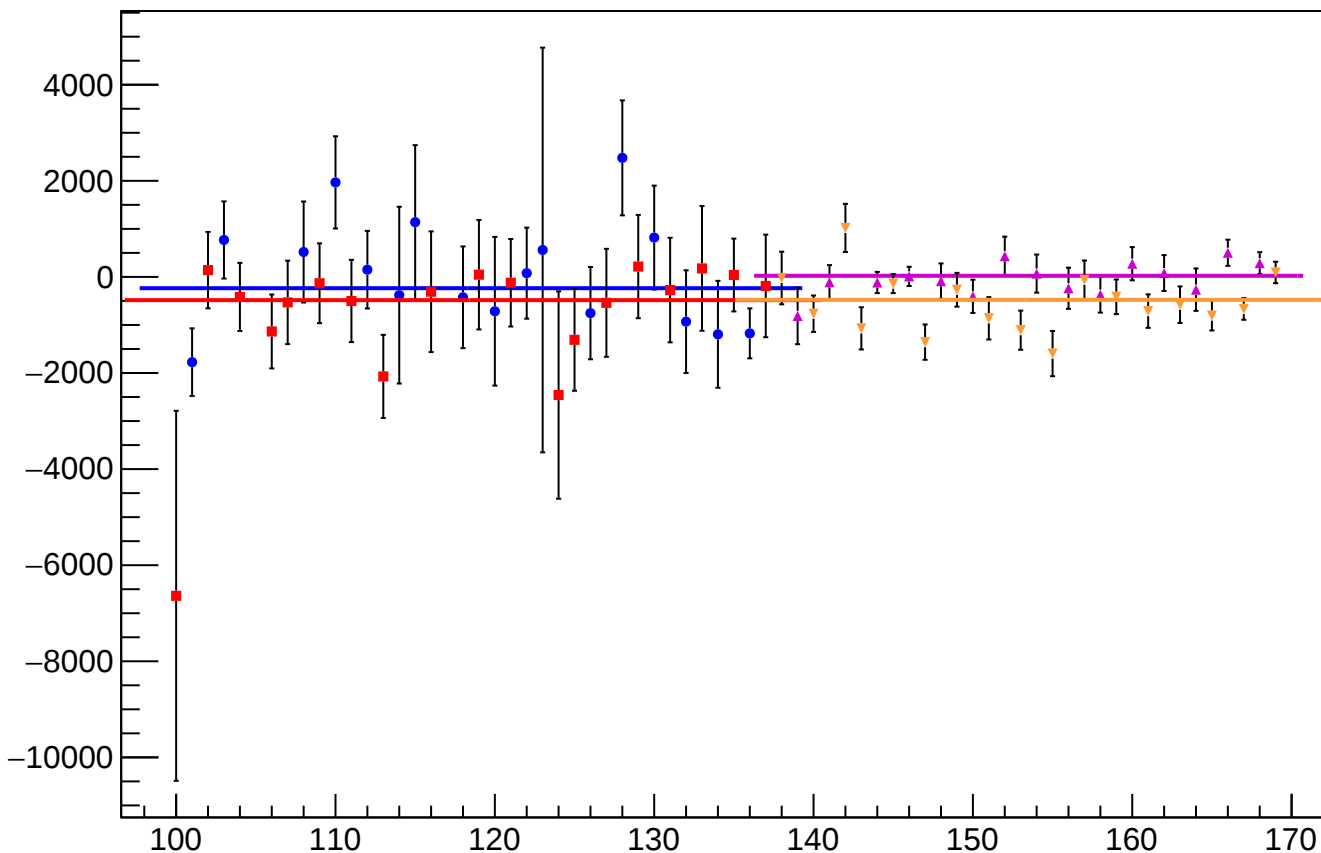
Left In: 50.645 $\pm$ 0.011 χ^2 /NDF: 352962.0/14

+ sign 52.603 $\pm$ 0.009 χ^2 /NDF: 1253715.9/33

All: 53.013 $\pm$ 0.006 χ^2 /NDF: 2538549.0/67

- sign 53.451 $\pm$ 0.009 χ^2 /NDF: 1280178.5/33

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -476.354 ± 80.260 χ^2/NDF : 39.8/16

Right Out: -483.305 ± 222.314 χ^2/NDF : 10.6/18

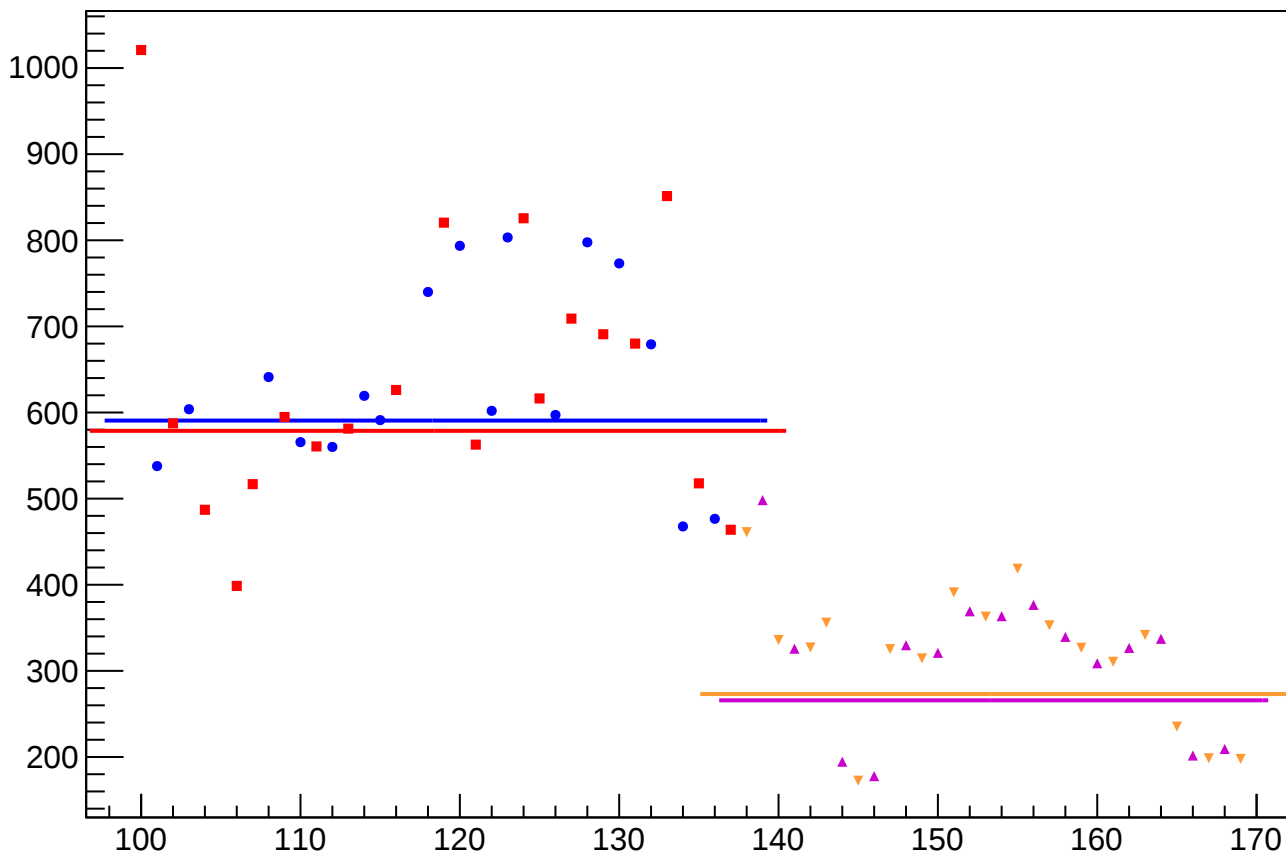
Left In: 23.512 ± 81.562 χ^2/NDF : 12.0/14

+ sign -450.872 ± 75.915 χ^2/NDF : 64.9/33

All: -245.527 ± 53.911 χ^2/NDF : 106.9/67

- sign -36.613 ± 76.572 χ^2/NDF : 27.2/33

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 273.090+/-0.057 χ^2/NDF : 2087738.2/16

Right Out: 578.753+/-0.157 χ^2/NDF : 493962.7/18

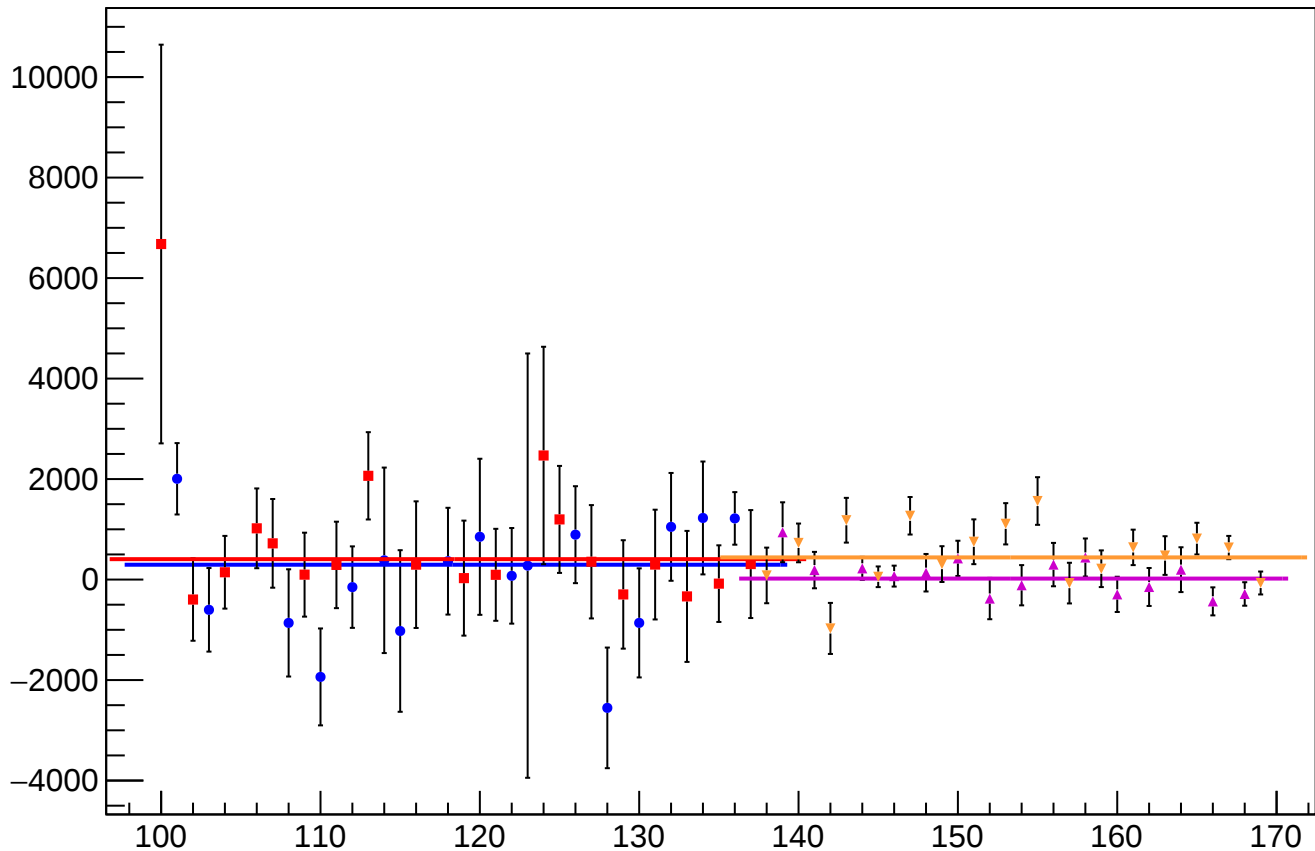
Left In: 265.800+/-0.058 χ^2/NDF : 1908383.4/14

+ sign 306.549+/-0.054 χ^2/NDF : 5738718.9/33

All: 304.753+/-0.038 χ^2/NDF : 11636439.4/67

- sign 302.926+/-0.054 χ^2/NDF : 5895462.9/33

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 440.926 $\pm$ 81.830 χ^2 /NDF:38.2/16

Right Out: 406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

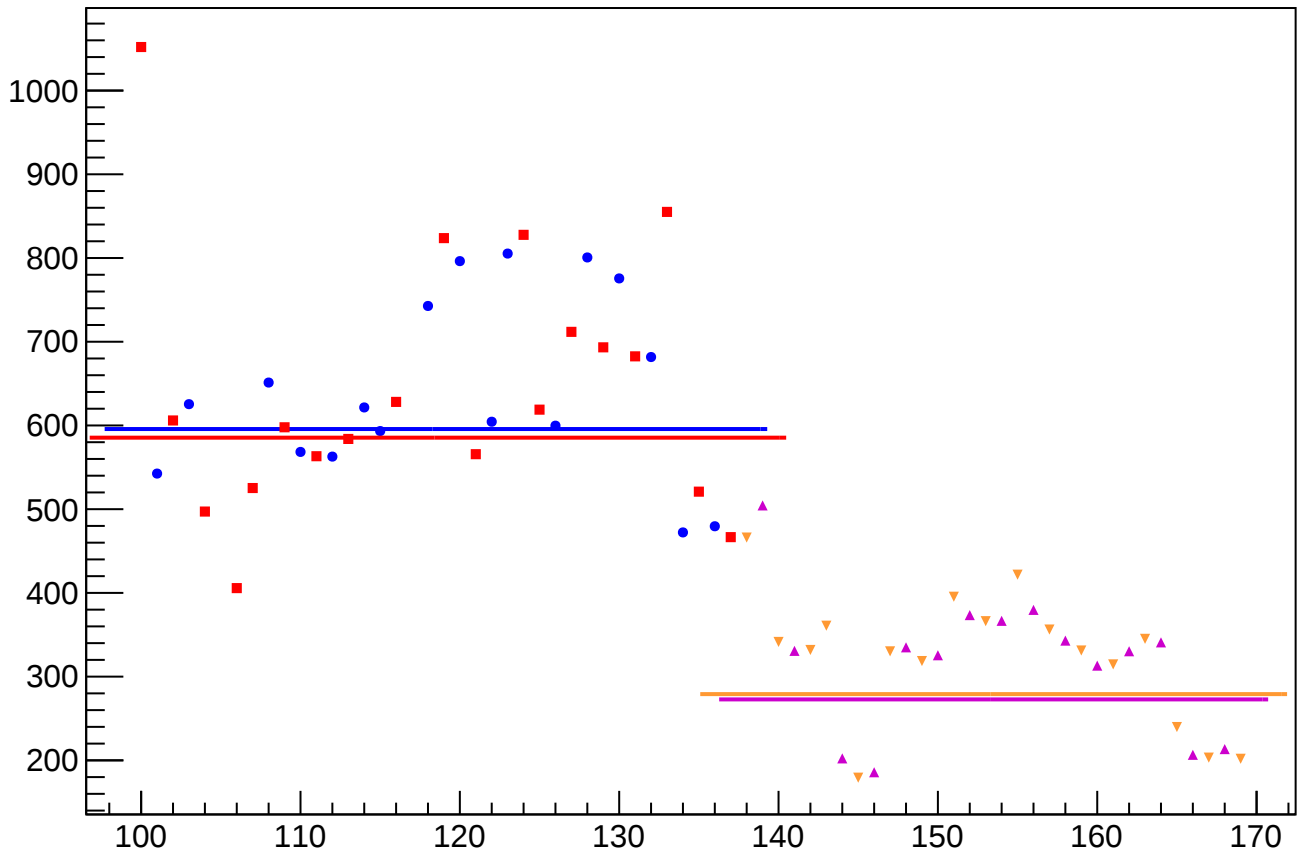
Left In: 19.567 $\pm$ 83.416 χ^2 /NDF:13.1/14

+ sign 425.291 $\pm$ 77.309 χ^2 /NDF: 64.7/33

All: 247.887 $\pm$ 54.981 χ^2 /NDF: 102.0/67

- sign 66.335 $\pm$ 78.208 χ^2 /NDF: 26.7/33

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 279.119 $\pm$ 0.058 χ^2 /NDF:1977212.6/16

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

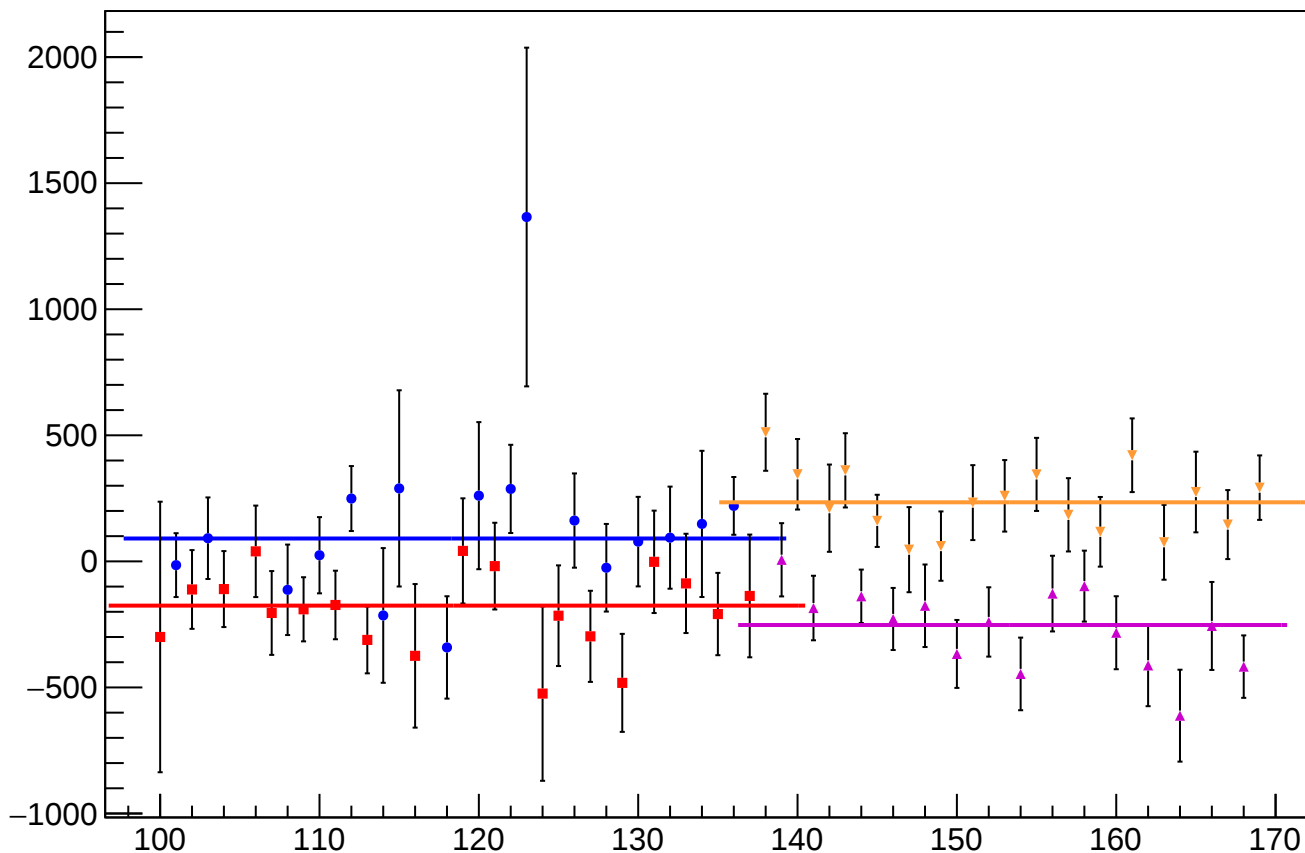
Left In: 272.785 $\pm$ 0.059 χ^2 /NDF:1775518.8/14

+ sign 313.135 $\pm$ 0.055 χ^2 /NDF: 5544049.9/33

All: 311.885 $\pm$ 0.039 χ^2 /NDF: 11193743.7/67

- sign 310.606 $\pm$ 0.055 χ^2 /NDF: 5648636.3/33

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 χ^2/NDF : 16.9/16

Left Out: 234.249 ± 34.442 χ^2/NDF : 12.9/16

Right Out: -175.485 ± 41.101 χ^2/NDF : 10.3/18

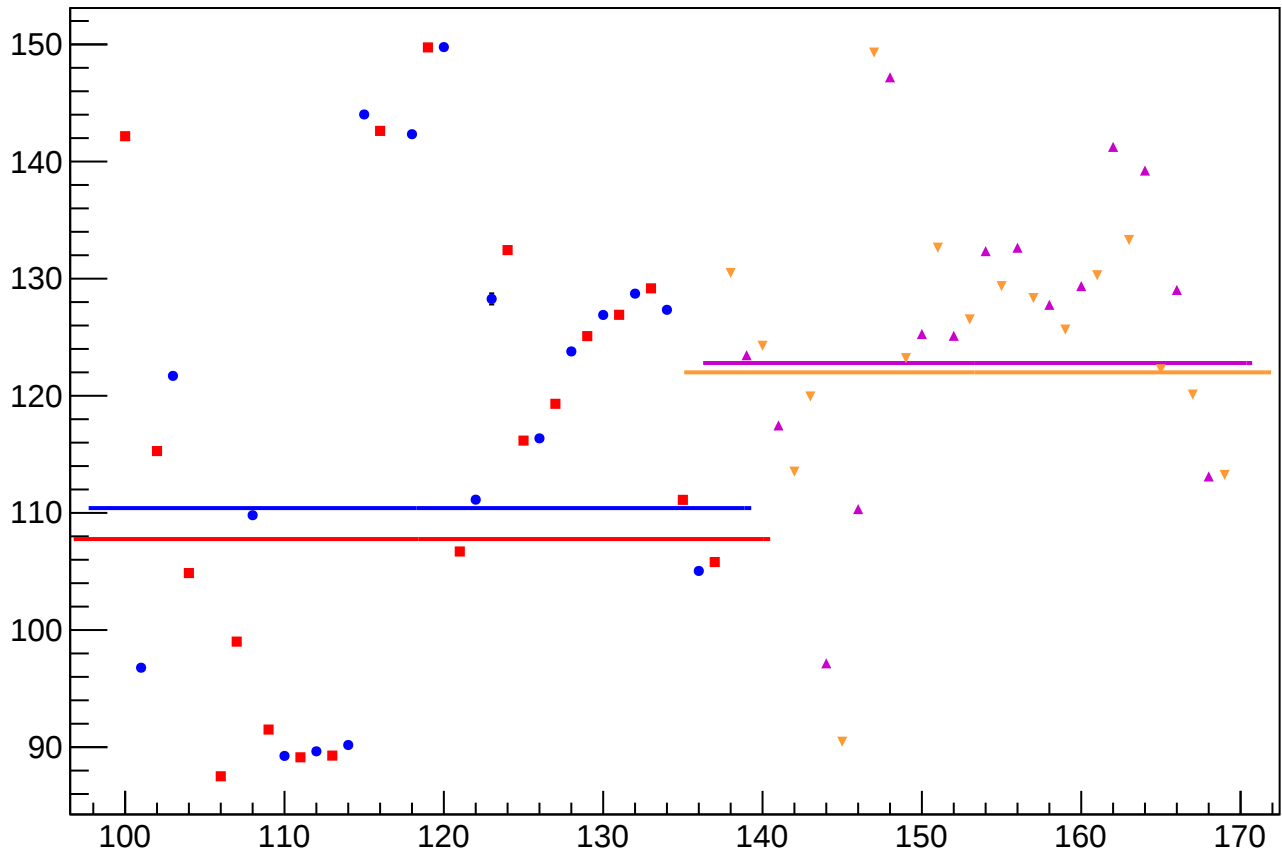
Left In: -252.430 ± 36.130 χ^2/NDF : 16.0/14

+ sign 178.646 ± 26.958 χ^2/NDF : 36.6/33

All: -18.809 ± 19.125 χ^2/NDF : 172.9/67

- sign -218.889 ± 27.136 χ^2/NDF : 28.3/33

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 122.001 $\pm$ 0.024 χ^2 /NDF: 300695.1/16

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

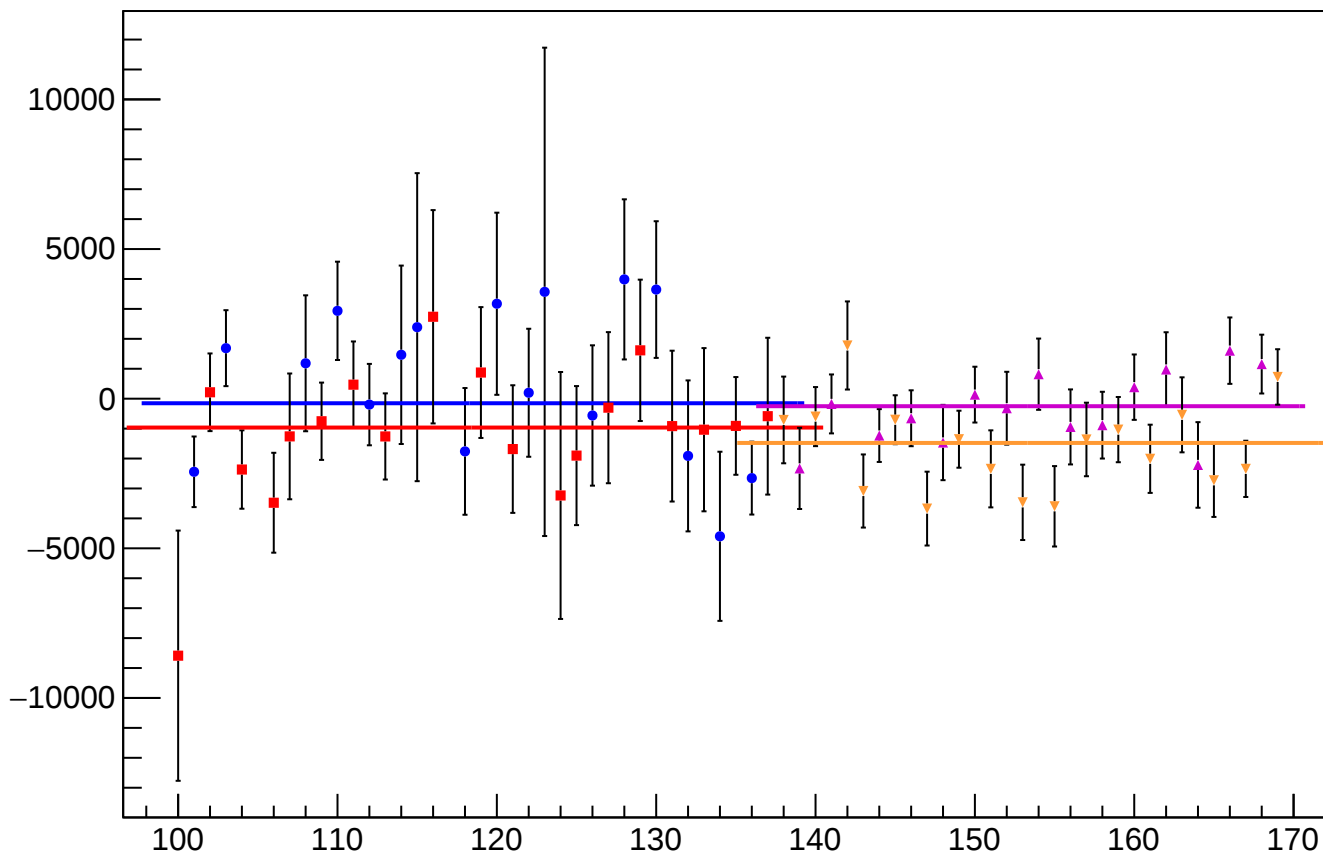
Left In: 122.798 $\pm$ 0.026 χ^2 /NDF: 268034.9/14

+ sign 117.511 $\pm$ 0.019 χ^2 /NDF: 684842.4/33

All: 116.883 $\pm$ 0.014 χ^2 /NDF: 1450377.4/67

- sign 116.246 $\pm$ 0.019 χ^2 /NDF: 763347.7/33

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 $\pm$ 464.753 χ^2/NDF : 24.7/16

Left Out: -1478.503 $\pm$ 271.622 χ^2/NDF : 25.7/16

Right Out: -964.716 $\pm$ 435.111 χ^2/NDF : 12.3/18

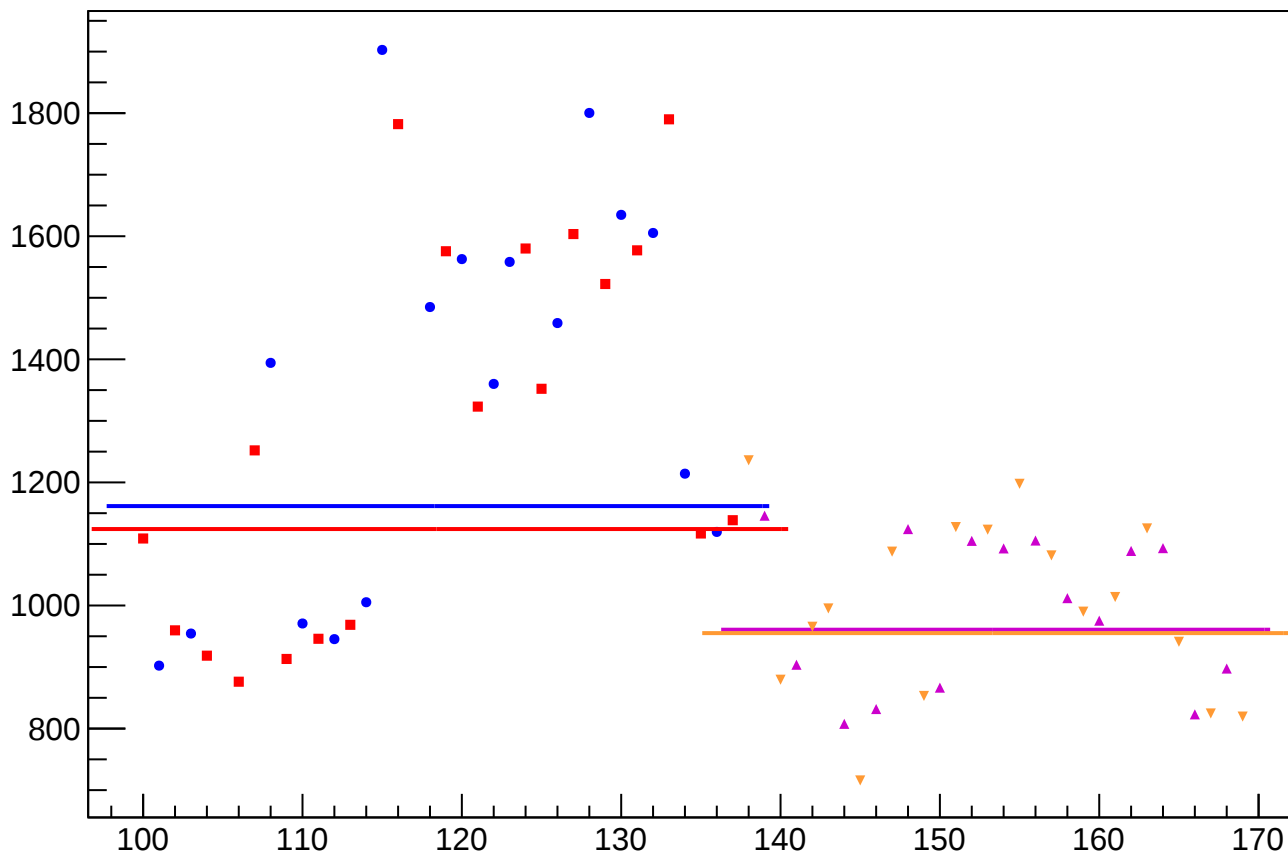
Left In: -251.328 $\pm$ 283.661 χ^2/NDF : 14.4/14

+ sign -1140.867 $\pm$ 234.508 χ^2/NDF : 56.4/33

All: -806.949 $\pm$ 166.913 χ^2/NDF : 89.1/67

- sign -464.097 $\pm$ 237.625 χ^2/NDF : 28.5/33

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 955.124 $\pm$ 0.192 χ^2 /NDF: 590361.9/16

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

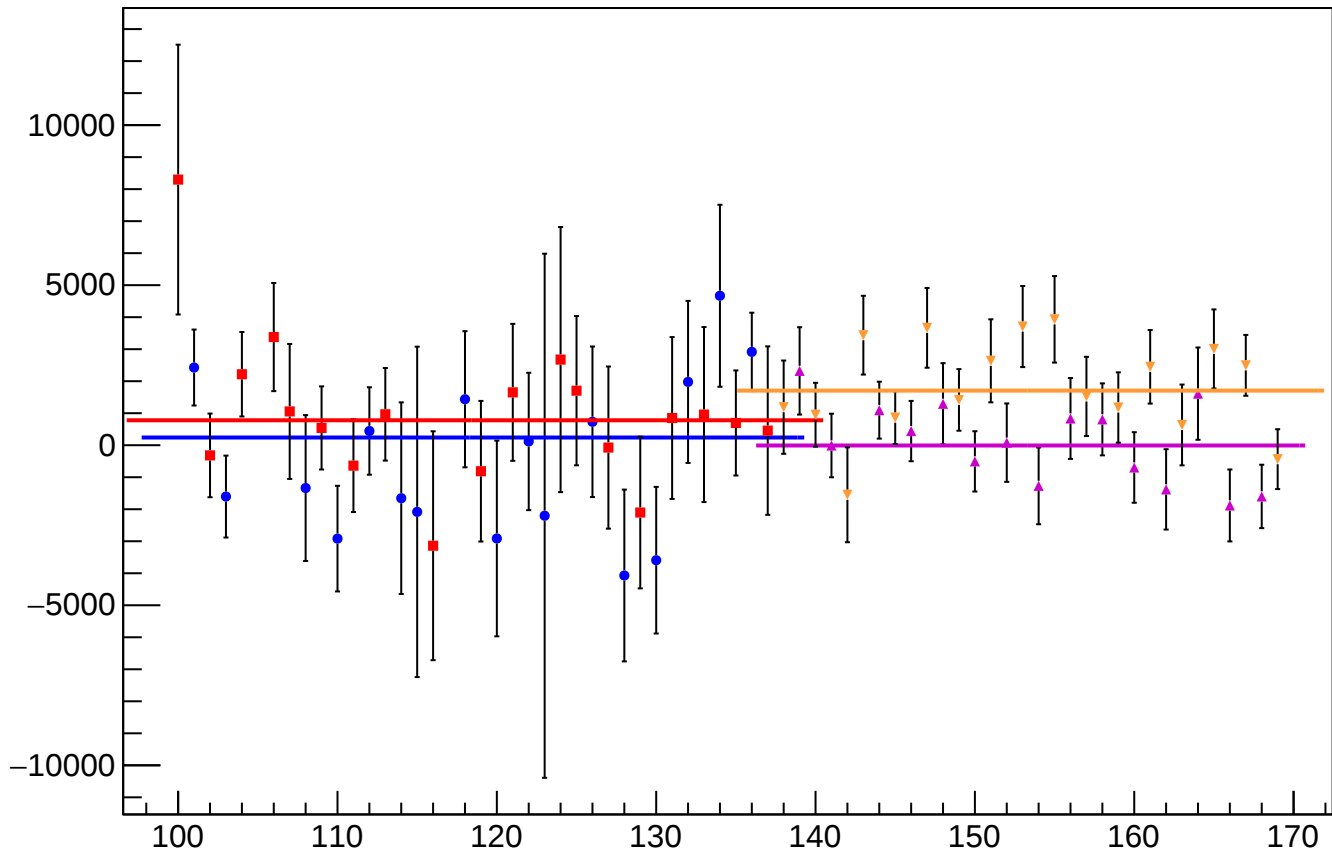
Left In: 960.662 $\pm$ 0.201 χ^2 /NDF: 357679.0/14

+ sign 1007.677 $\pm$ 0.166 χ^2 /NDF: 1580314.6/33

All: 1008.551 $\pm$ 0.118 χ^2 /NDF: 2904189.5/67

- sign 1009.448 $\pm$ 0.168 χ^2 /NDF: 1323818.7/33

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1706.178 $\pm$ 273.922 χ^2 /NDF:25.3/16

Right Out: 779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

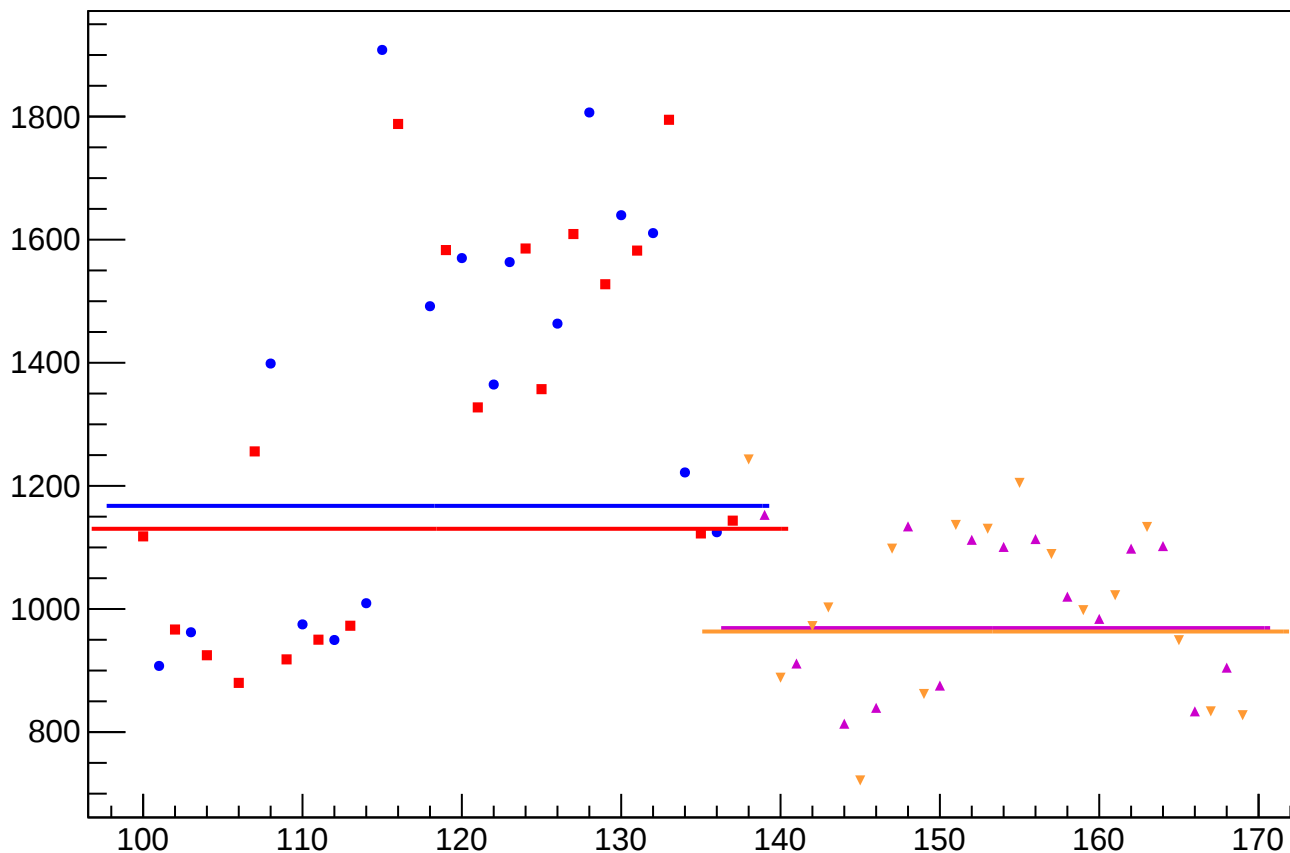
Left In: -8.524 $\pm$ 286.073 χ^2 /NDF:16.3/14

+ sign 1331.097 $\pm$ 236.281 χ^2 /NDF: 57.4/33

All: 786.557 $\pm$ 168.178 χ^2 /NDF: 99.1/67

- sign 227.411 $\pm$ 239.429 χ^2 /NDF: 30.9/33

asym_sam_48_dd_rms vs Slug



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 963.417+/-0.194 χ^2/NDF : 583157.6/16

Right Out: 1130.301+/-0.309 χ^2/NDF : 761503.6/18

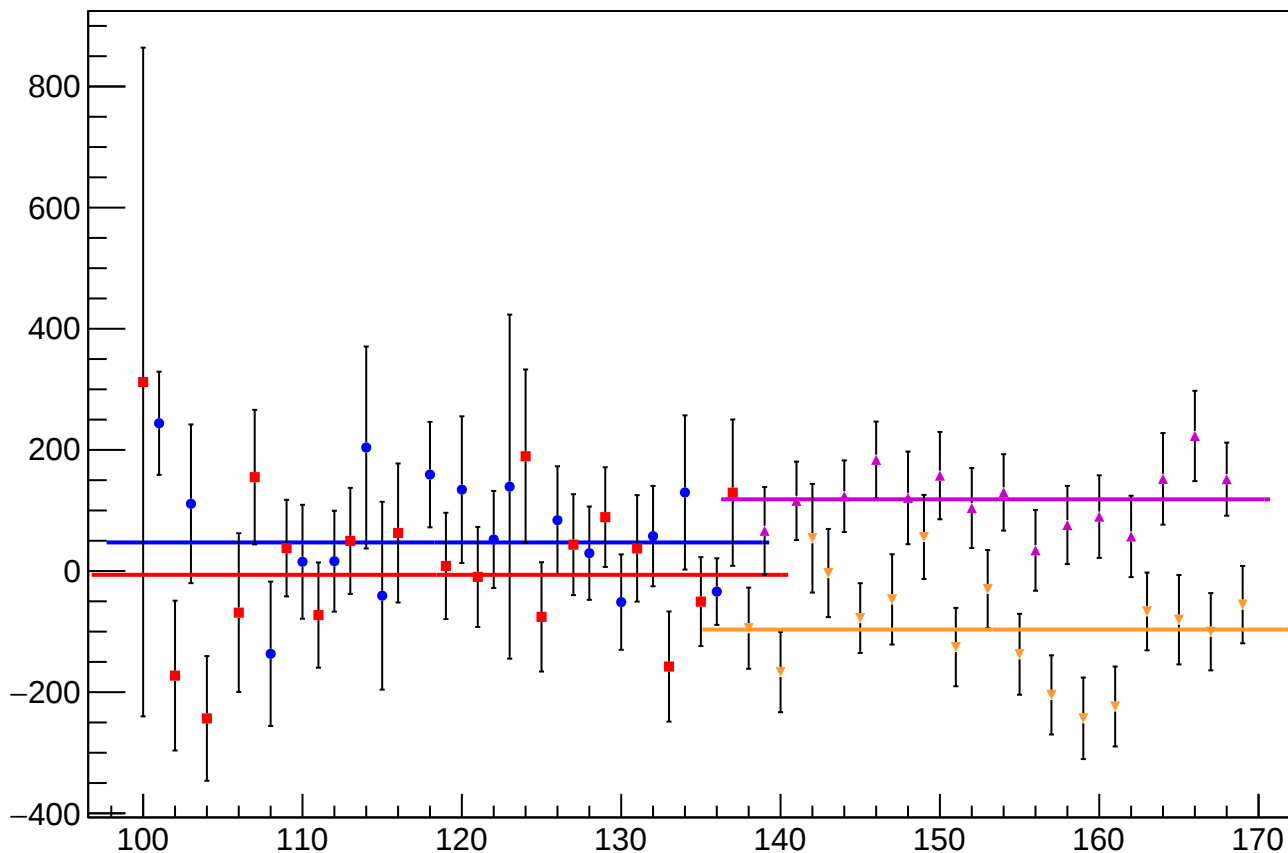
Left In: 968.980+/-0.202 χ^2/NDF : 353387.2/14

+ sign 1015.662+/-0.167 χ^2/NDF : 1557899.4/33

All: 1016.469+/-0.119 χ^2/NDF : 2863329.0/67

- sign 1017.299+/-0.169 χ^2/NDF : 1305382.2/33

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -96.608 $\pm$ 16.314 χ^2 /NDF:24.5/16

Right Out: -6.246 $\pm$ 22.128 χ^2 /NDF: 20.3/18

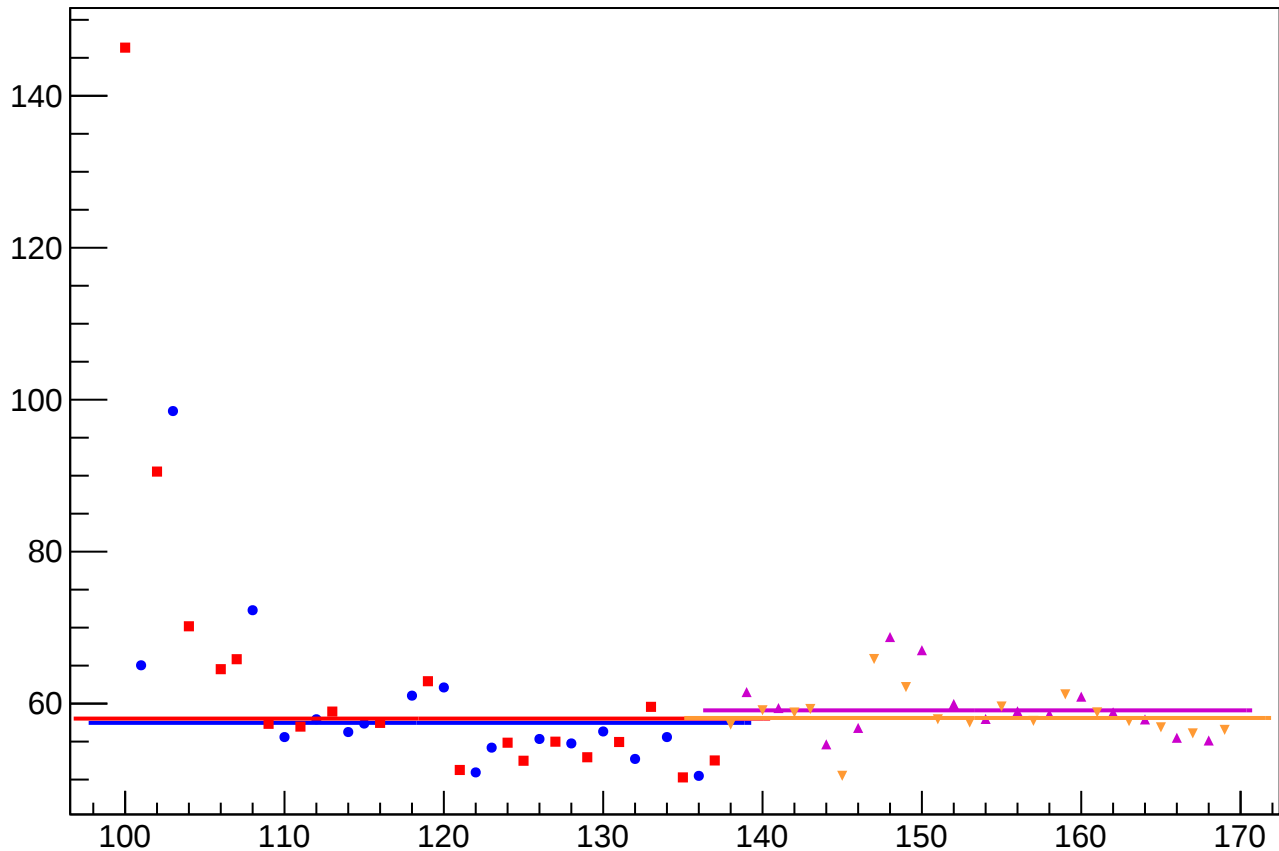
Left In: 118.375 $\pm$ 17.298 χ^2 /NDF:7.5/14

+ sign -47.236 $\pm$ 13.220 χ^2 /NDF: 67.3/33

All: 10.140 $\pm$ 9.489 χ^2 /NDF: 153.6/67

- sign 71.106 $\pm$ 13.628 χ^2 /NDF: 47.4/33

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 58.108 $\pm$ 0.012 χ^2 /NDF: 74533.1/16

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

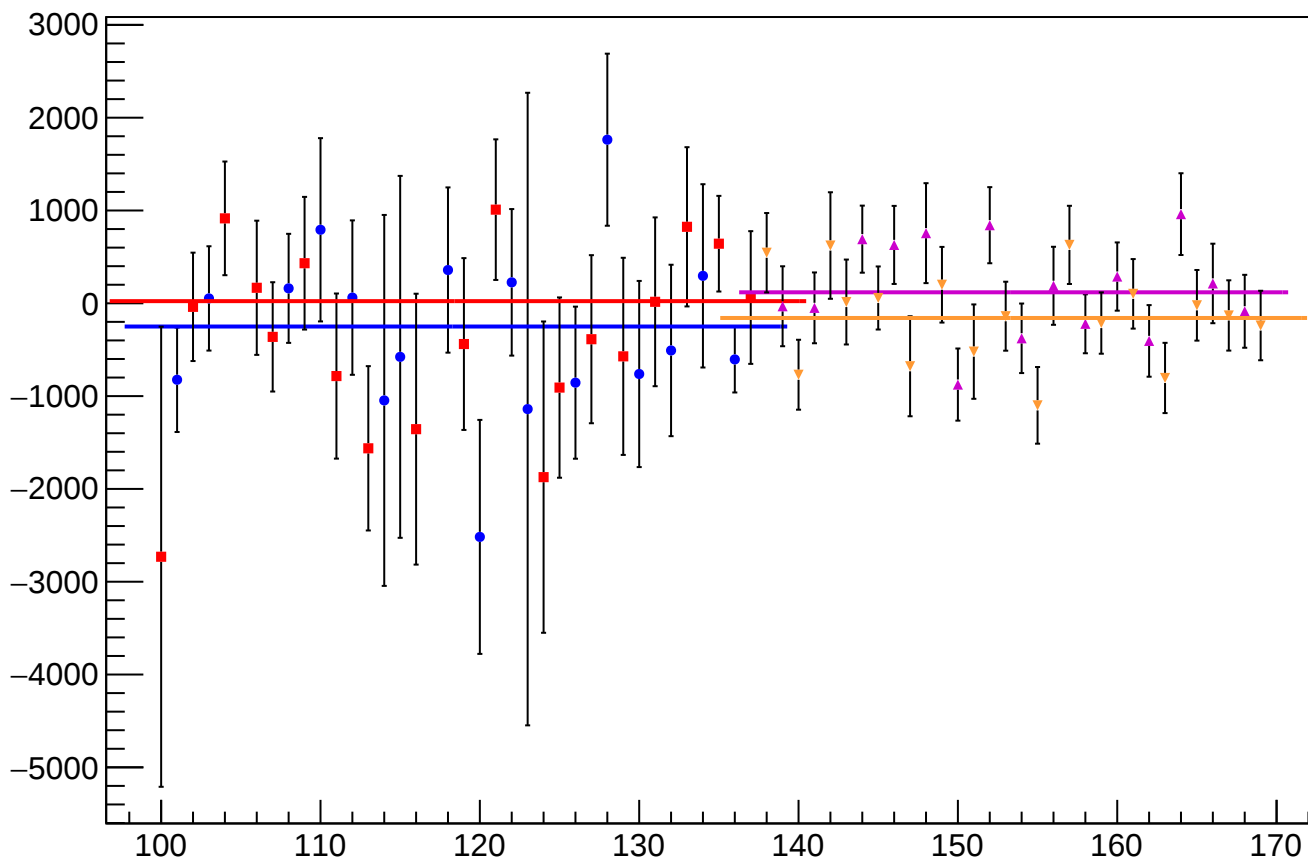
Left In: 59.110 $\pm$ 0.012 χ^2 /NDF: 88701.9/14

+ sign 57.887 $\pm$ 0.009 χ^2 /NDF: 382754.1/33

All: 58.281 $\pm$ 0.007 χ^2 /NDF: 778879.6/67

- sign 58.700 $\pm$ 0.010 χ^2 /NDF: 392465.6/33

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2/NDF : 14.3/16

Left Out: -158.094 $\pm$ 97.441 χ^2/NDF : 22.2/16

Right Out: 23.314 $\pm$ 181.834 χ^2/NDF : 16.1/18

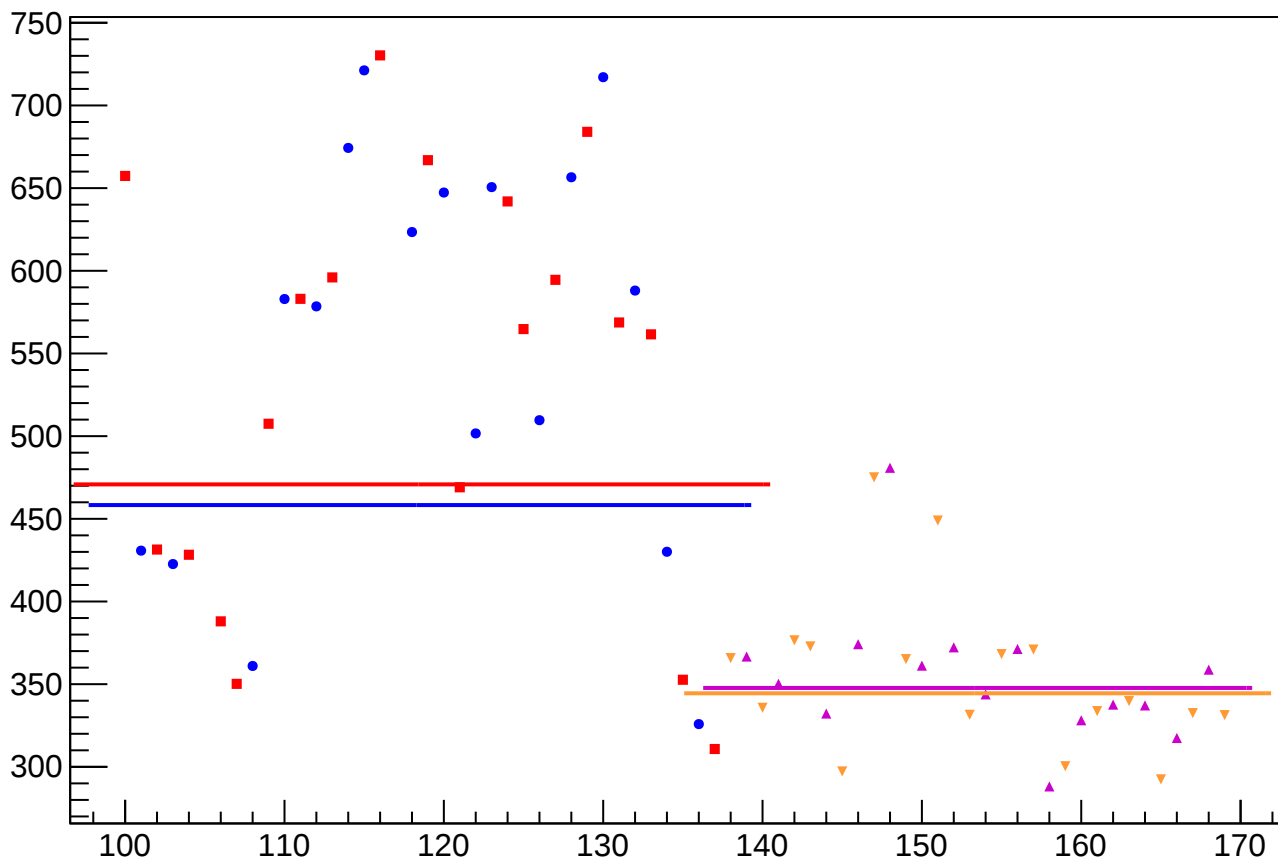
Left In: 118.563 $\pm$ 102.335 χ^2/NDF : 24.3/14

+ sign -178.238 $\pm$ 86.121 χ^2/NDF : 36.7/33

All: -46.073 $\pm$ 61.950 χ^2/NDF : 82.2/67

- sign 95.651 $\pm$ 89.181 χ^2/NDF : 40.6/33

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 344.482+/-0.069 χ^2/NDF : 362150.8/16

Right Out: 470.827+/-0.129 χ^2/NDF : 778635.2/18

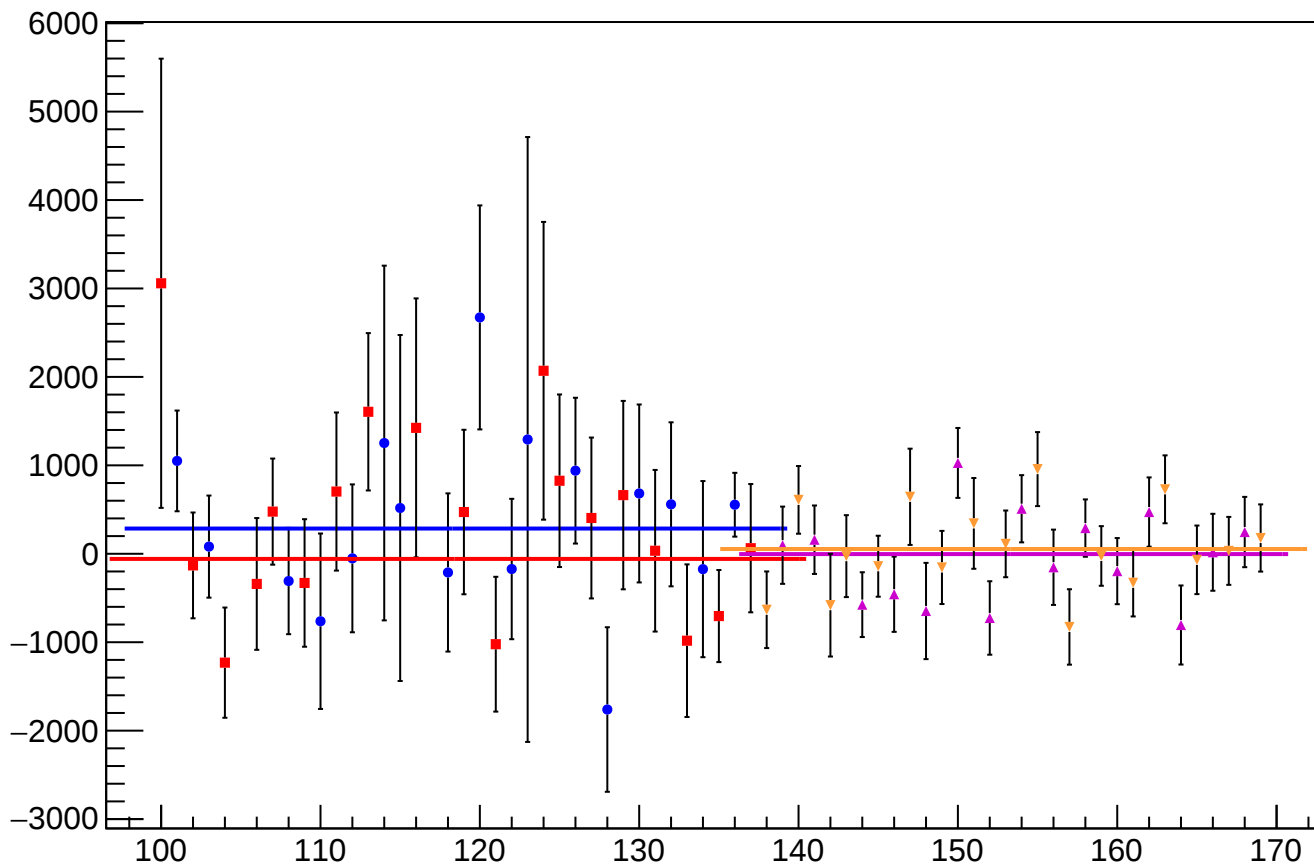
Left In: 347.723+/-0.072 χ^2/NDF : 244055.8/14

+ sign 369.397+/-0.061 χ^2/NDF : 1836798.7/33

All: 373.227+/-0.044 χ^2/NDF : 3563881.7/67

- sign 377.335+/-0.063 χ^2/NDF : 1718883.3/33

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 χ^2/NDF : 15.2/16

Left Out: 53.934 ± 98.874 χ^2/NDF : 21.2/16

Right Out: -58.001 ± 184.074 χ^2/NDF : 19.2/18

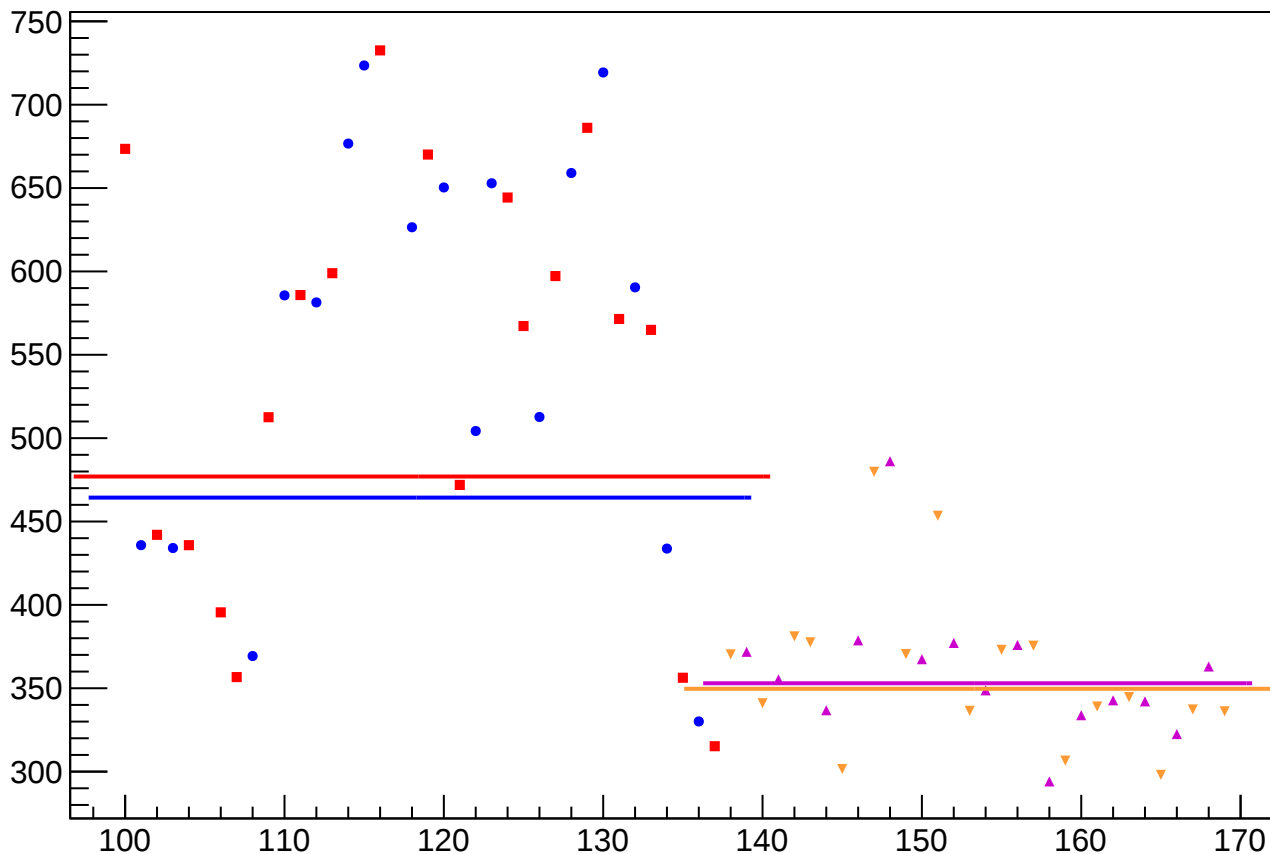
Left In: -3.442 ± 103.854 χ^2/NDF : 23.1/14

+ sign 104.808 ± 87.332 χ^2/NDF : 37.6/33

All: 46.225 ± 62.827 χ^2/NDF : 81.0/67

- sign -16.615 ± 90.451 χ^2/NDF : 42.4/33

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 349.672 $\pm$ 0.070 χ^2 /NDF: 349512.5/16

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

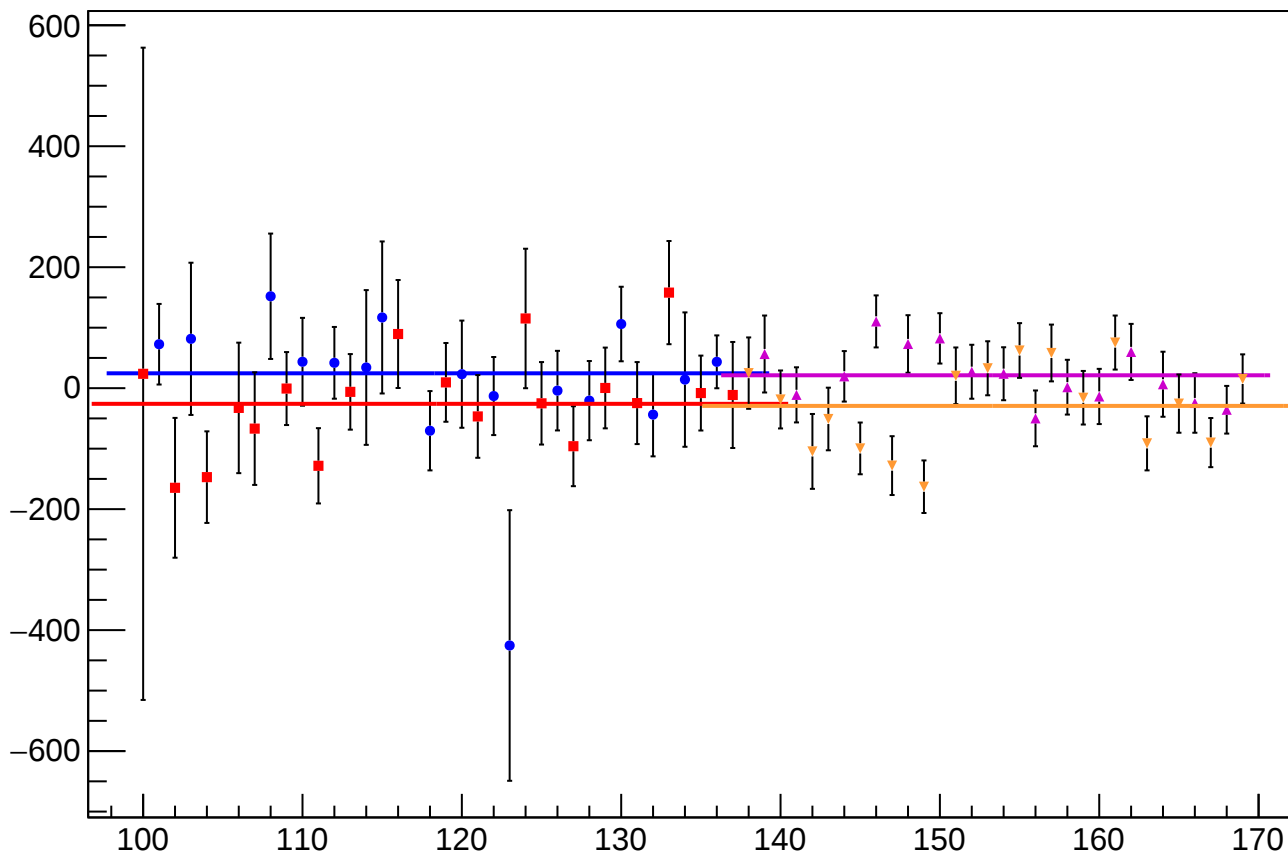
Left In: 352.989 $\pm$ 0.073 χ^2 /NDF: 235195.3/14

+ sign 374.880 $\pm$ 0.062 χ^2 /NDF: 1786780.6/33

All: 378.764 $\pm$ 0.044 χ^2 /NDF: 3467944.4/67

- sign 382.930 $\pm$ 0.064 χ^2 /NDF: 1672966.1/33

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -29.302 ± 11.244 $\chi^2/\text{NDF}: 40.4/16$

Right Out: -25.884 ± 17.386 $\chi^2/\text{NDF}: 16.8/18$

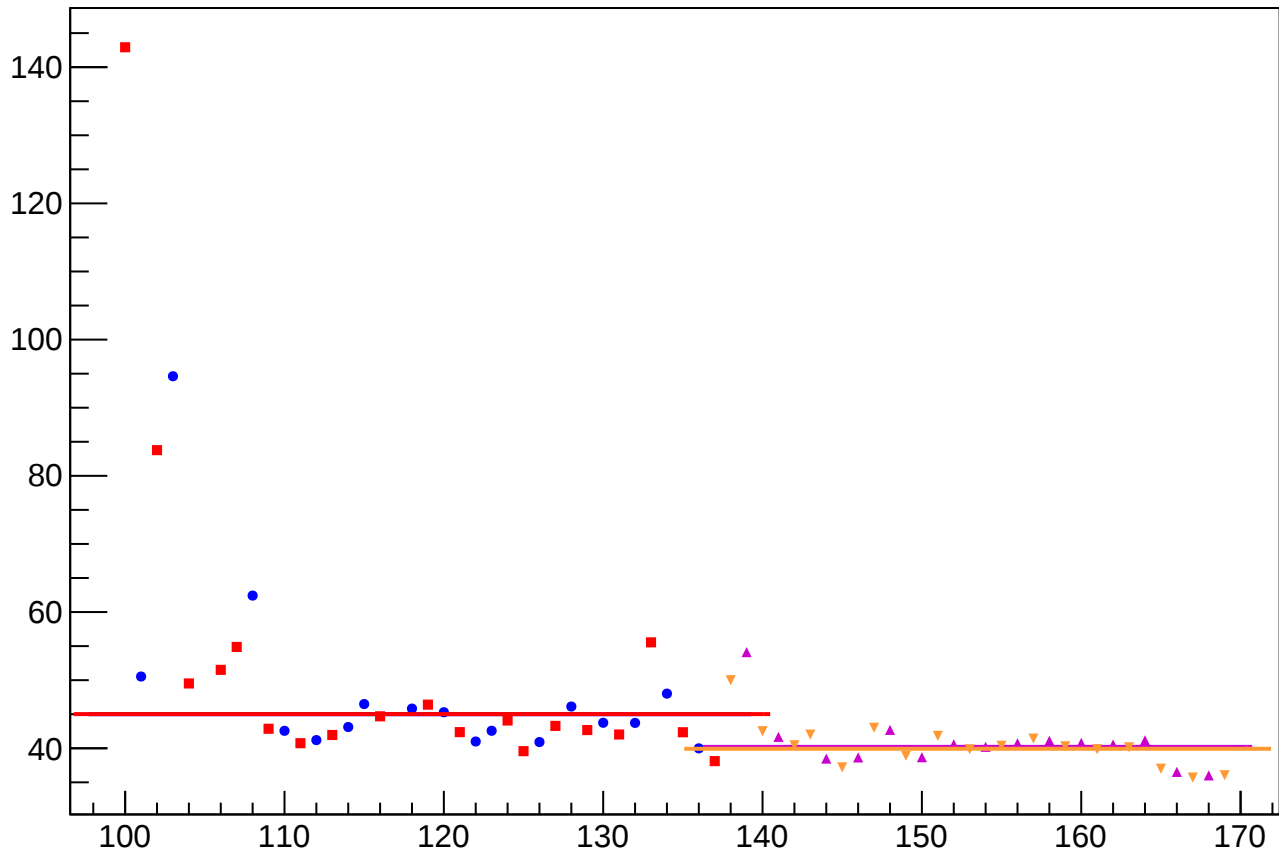
Left In: 21.305 ± 11.791 $\chi^2/\text{NDF}: 15.3/14$

+ sign -13.981 ± 9.512 $\chi^2/\text{NDF}: 60.0/33$

All: -4.032 ± 6.812 $\chi^2/\text{NDF}: 99.4/67$

- sign 6.439 ± 9.759 $\chi^2/\text{NDF}: 37.2/33$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 39.928 $\pm$ 0.008 χ^2 /NDF:137676.0/16

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

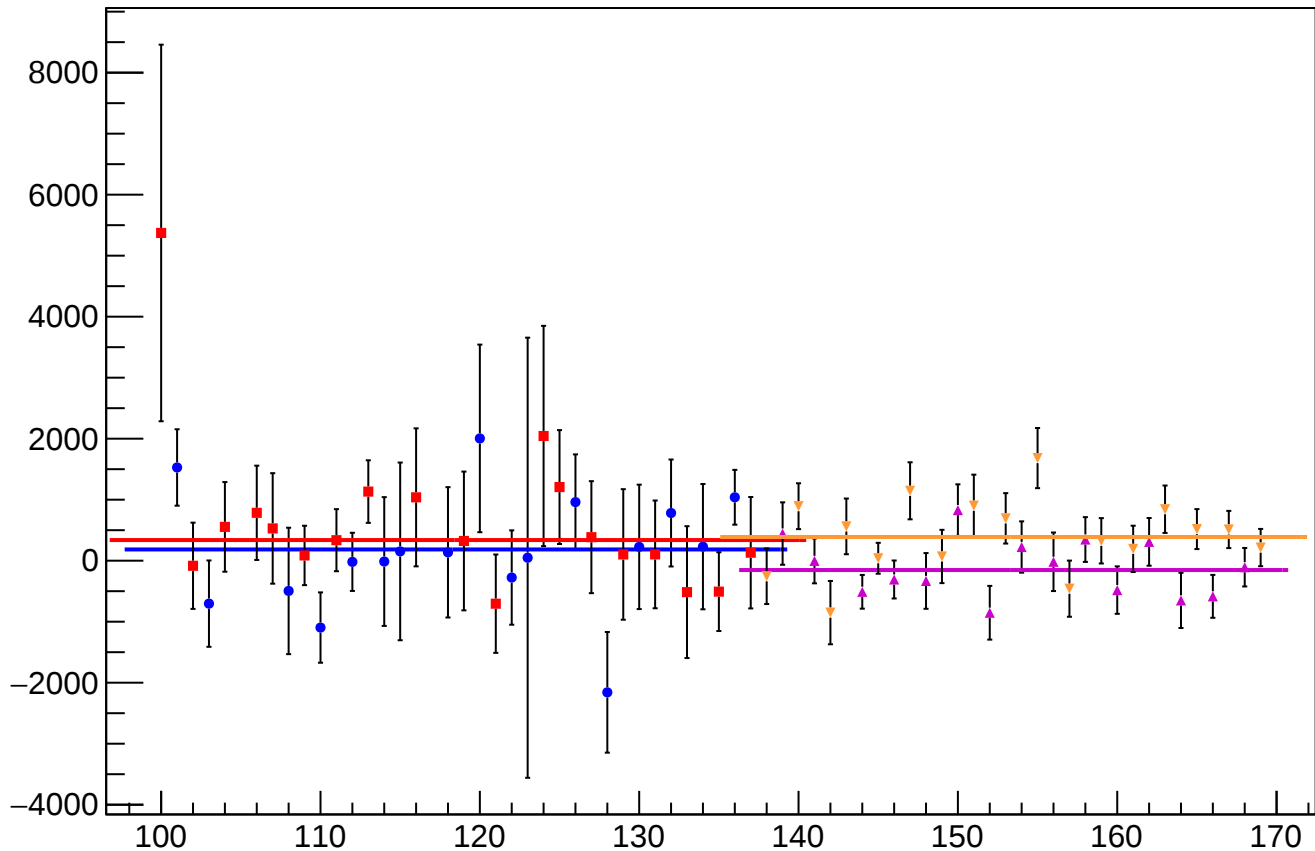
Left In: 40.205 $\pm$ 0.008 χ^2 /NDF:147910.1/14

+ sign 41.370 $\pm$ 0.007 χ^2 /NDF: 691805.3/33

All: 41.541 $\pm$ 0.005 χ^2 /NDF: 1361501.7/67

- sign 41.721 $\pm$ 0.007 χ^2 /NDF: 668372.0/33

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 388.890 ± 92.864 χ^2/NDF : 28.9/16

Right Out: 338.329 ± 179.381 χ^2/NDF : 12.5/18

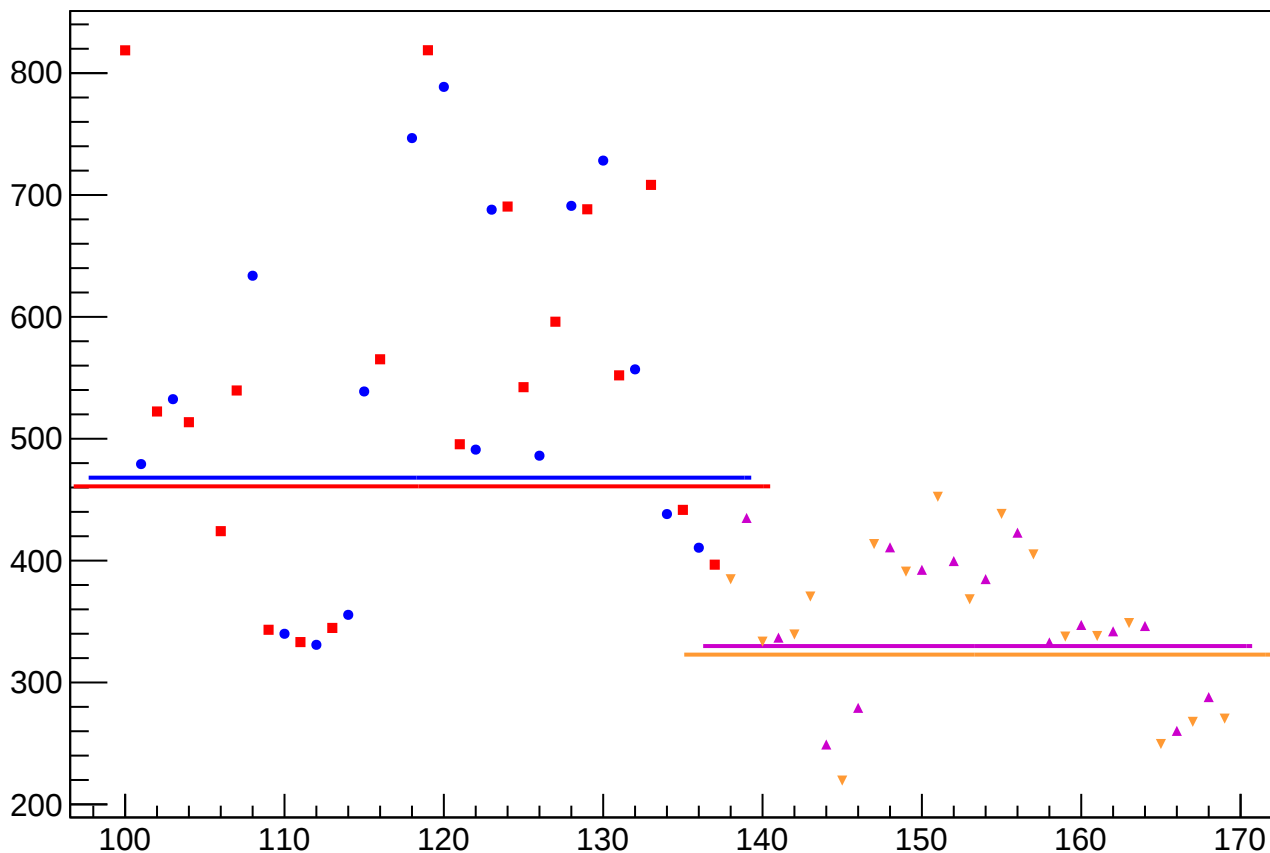
Left In: -153.245 ± 98.180 χ^2/NDF : 19.1/14

+ sign 348.930 ± 83.309 χ^2/NDF : 54.0/33

All: 160.959 ± 59.879 χ^2/NDF : 101.9/67

- sign -39.931 ± 86.124 χ^2/NDF : 37.4/33

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 322.869+/-0.066 χ^2/NDF :1086987.6/16

Right Out: 460.939+/-0.127 χ^2/NDF : 955028.5/18

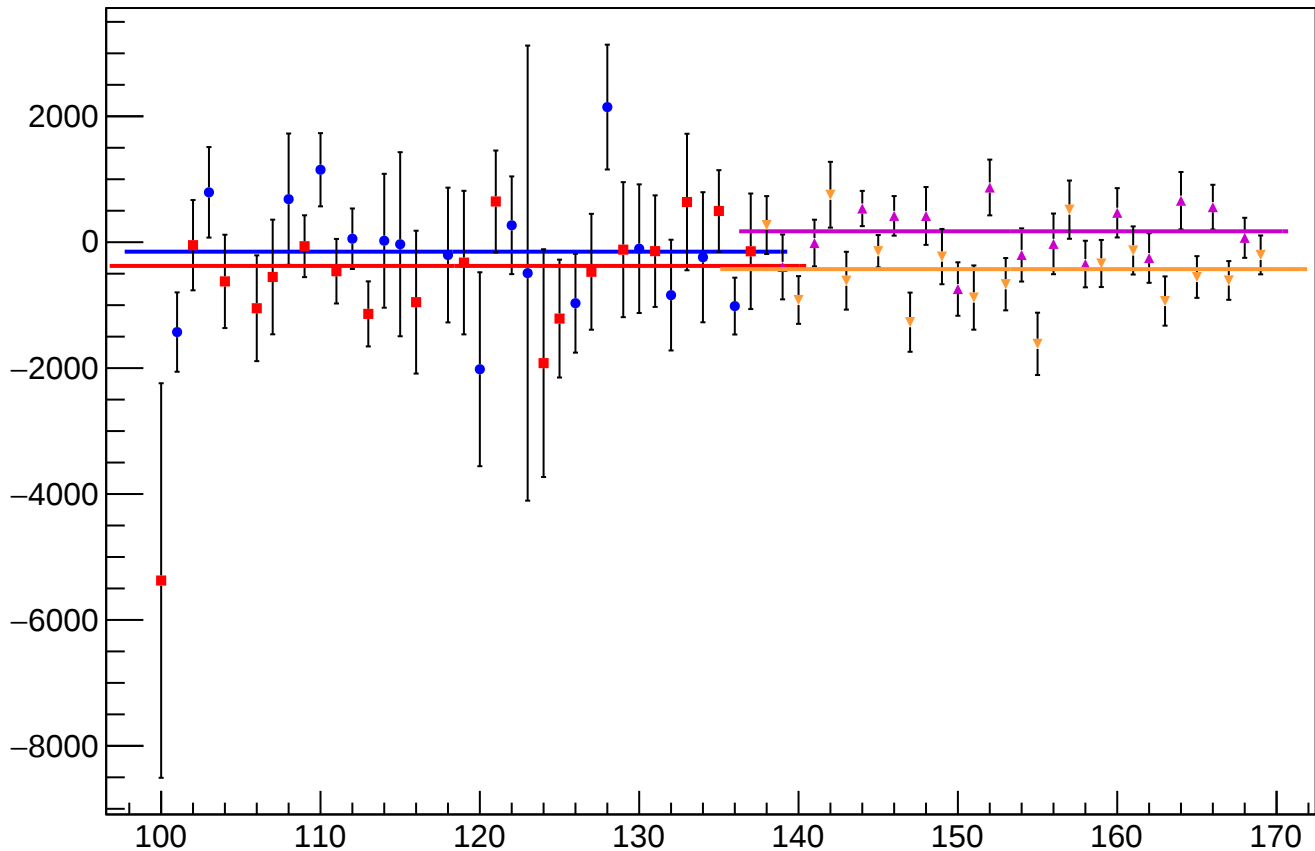
Left In: 329.892+/-0.069 χ^2/NDF :697594.7/14

+ sign 351.213+/-0.059 χ^2/NDF : 2921802.9/33

All: 355.509+/-0.042 χ^2/NDF : 5406784.2/67

- sign 360.100+/-0.061 χ^2/NDF : 2473979.0/33

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -427.462 ± 93.635 χ^2/NDF : 28.3/16

Right Out: -376.554 ± 181.258 χ^2/NDF : 12.4/18

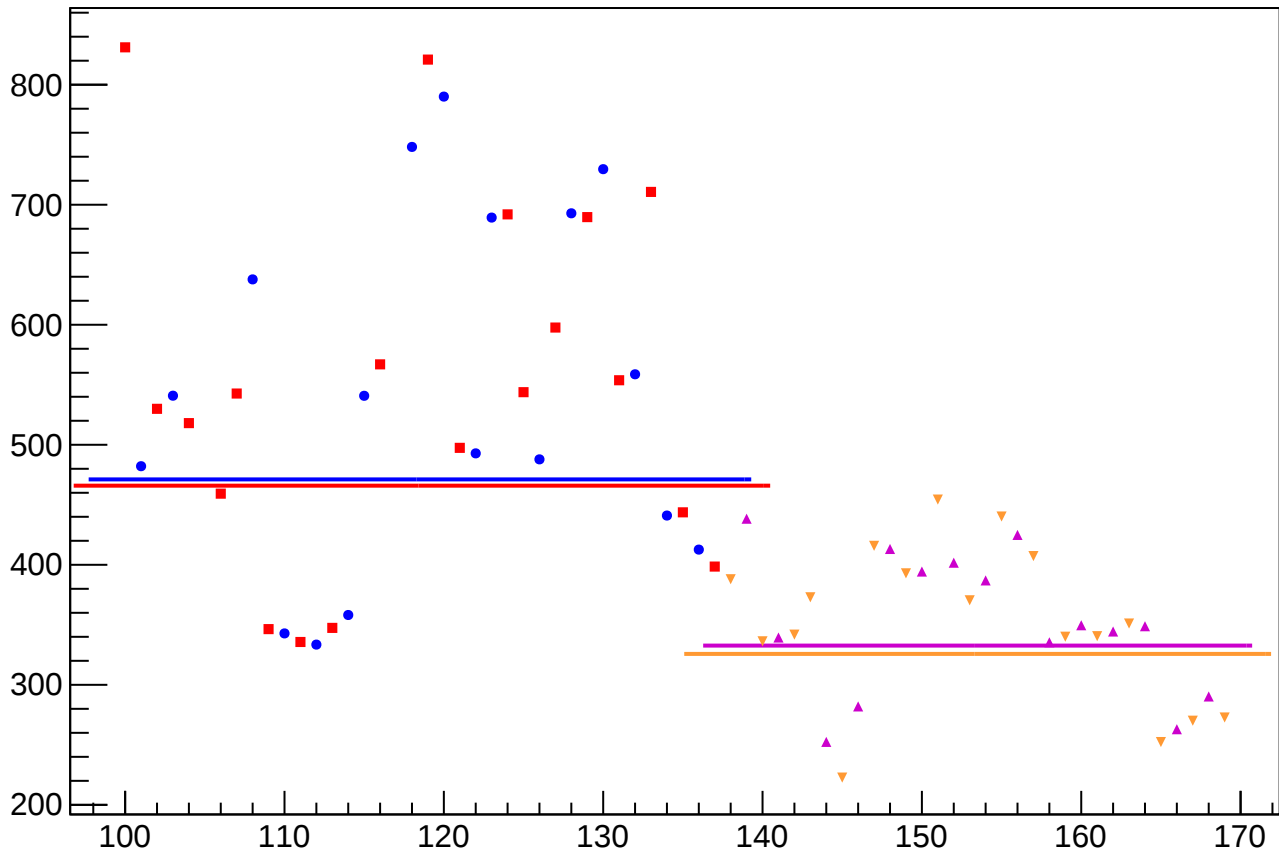
Left In: 173.310 ± 98.965 χ^2/NDF : 18.2/14

+ sign -373.178 ± 83.967 χ^2/NDF : 54.2/33

All: -170.191 ± 60.371 χ^2/NDF : 104.1/67

- sign 47.035 ± 86.862 χ^2/NDF : 37.7/33

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 325.755+/-0.066 χ^2/NDF :1059280.9/16

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

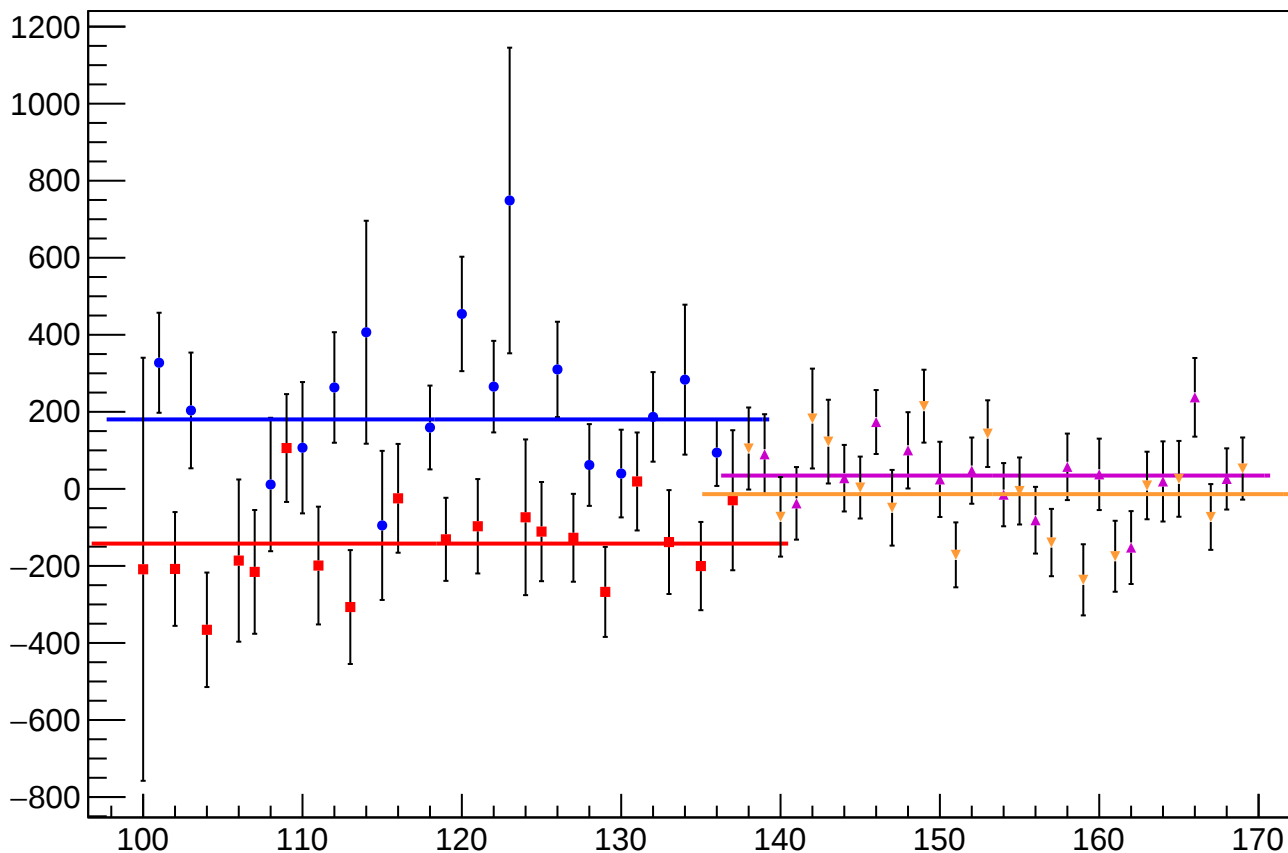
Left In: 332.689+/-0.070 χ^2/NDF :680270.0/14

+ sign 354.233+/-0.059 χ^2/NDF : 2875673.6/33

All: 358.608+/-0.043 χ^2/NDF : 5340300.1/67

- sign 363.289+/-0.061 χ^2/NDF : 2453388.7/33

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: -13.658 $\pm$ 22.401 χ^2 /NDF:30.5/16

Right Out: -142.040 $\pm$ 32.338 χ^2 /NDF: 11.7/18

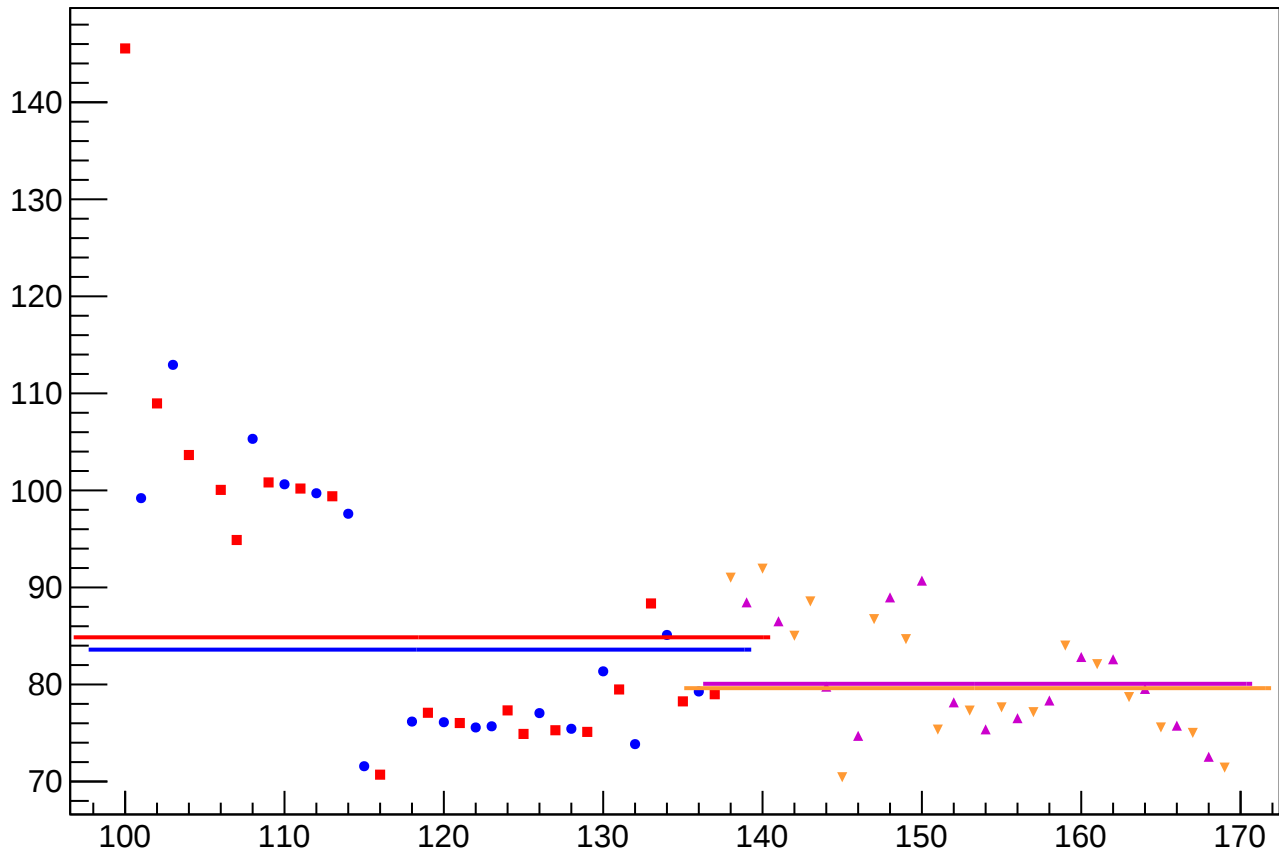
Left In: 34.548 $\pm$ 23.458 χ^2 /NDF:14.3/14

+ sign 48.122 $\pm$ 18.493 χ^2 /NDF: 71.0/33

All: 11.877 $\pm$ 13.248 χ^2 /NDF: 124.4/67

- sign -26.335 $\pm$ 18.988 χ^2 /NDF: 45.5/33

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 ± 0.023 χ^2/NDF : 255921.7/16

Left Out: 79.619 ± 0.016 χ^2/NDF : 155803.4/16

Right Out: 84.861 ± 0.023 χ^2/NDF : 290606.5/18

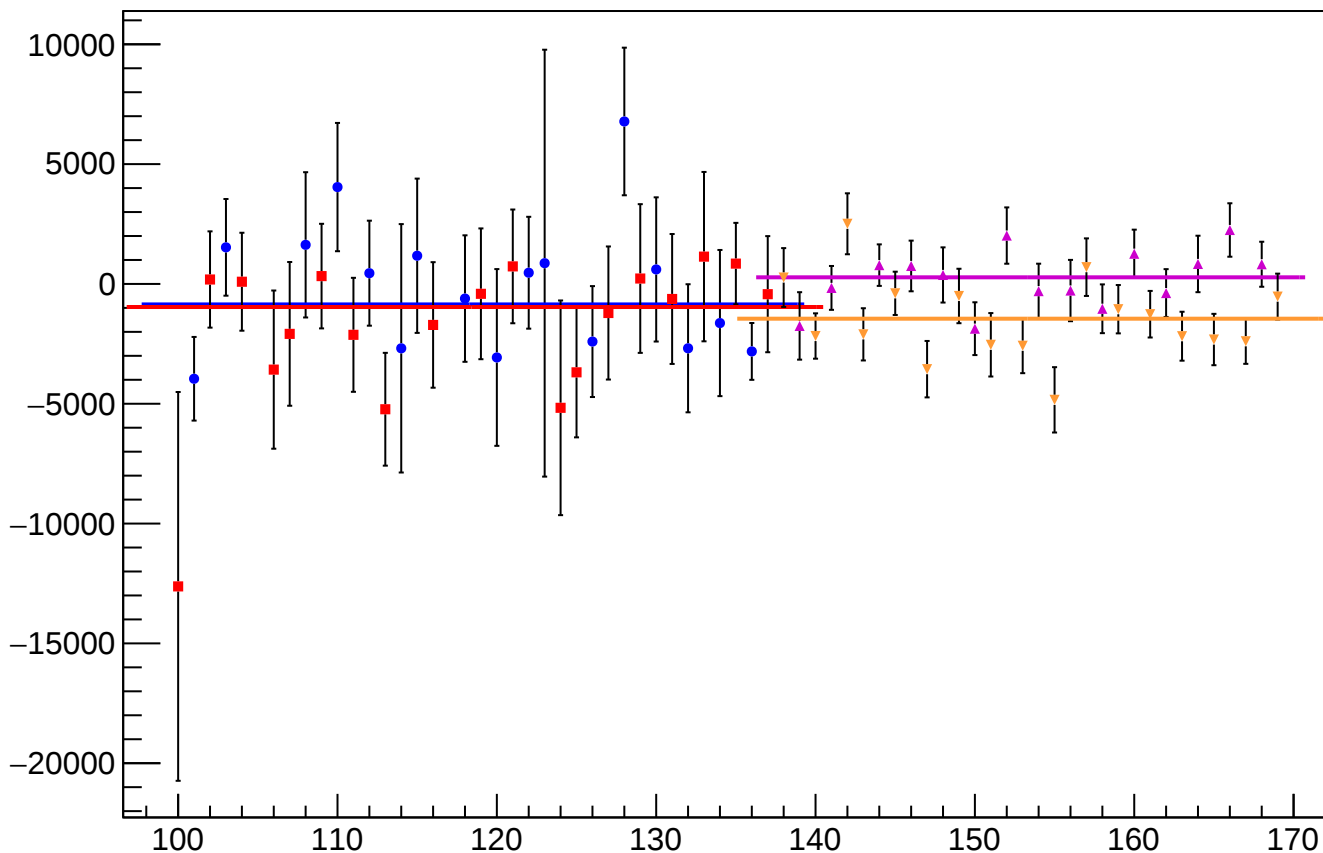
Left In: 80.069 ± 0.017 χ^2/NDF : 107068.4/14

+ sign 80.884 ± 0.013 χ^2/NDF : 431750.2/33

All: 81.292 ± 0.009 χ^2/NDF : 860195.6/67

- sign 81.721 ± 0.013 χ^2/NDF : 426448.1/33

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 $\pm$ 583.290 χ^2/NDF : 20.3/16

Left Out: -1450.590 $\pm$ 261.580 χ^2/NDF : 32.2/16

Right Out: -962.932 $\pm$ 589.071 χ^2/NDF : 11.5/18

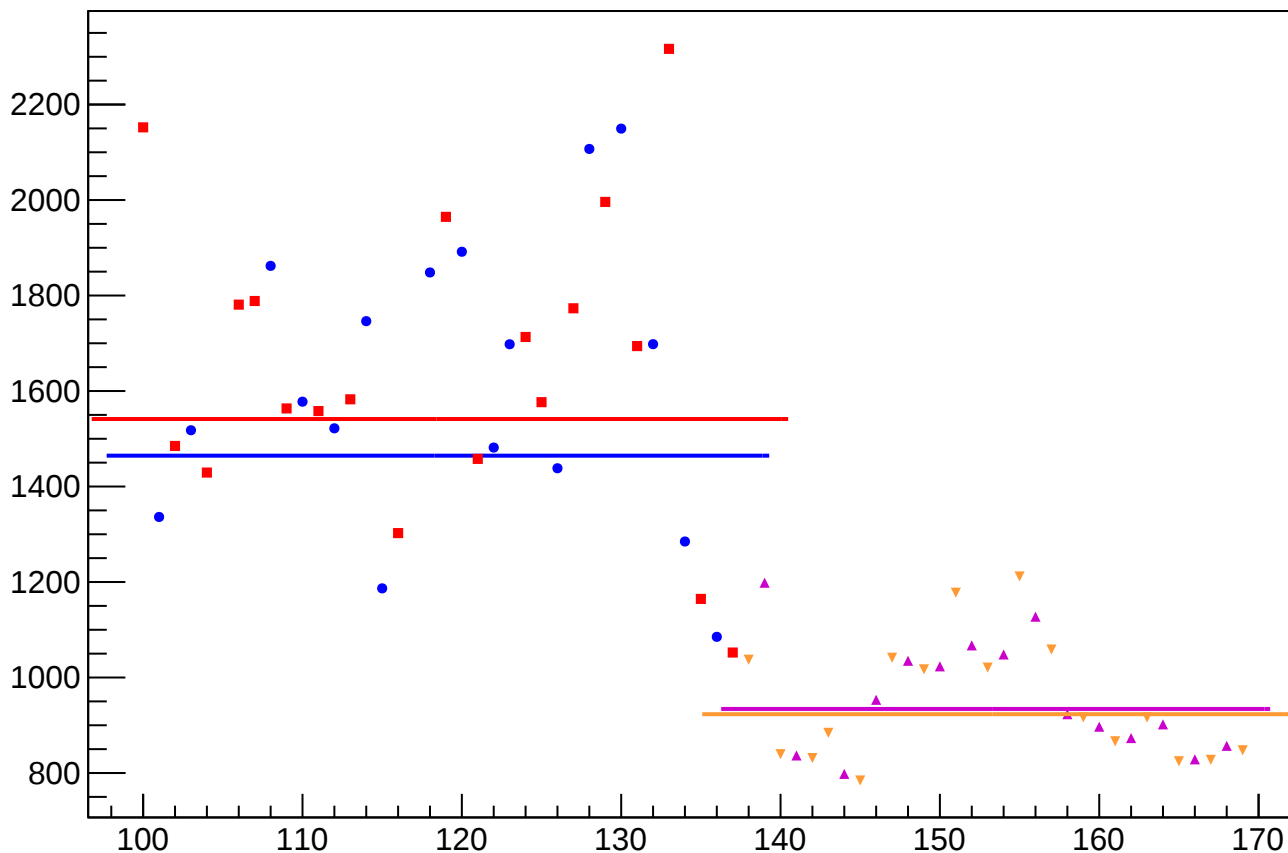
Left In: 276.127 $\pm$ 275.030 χ^2/NDF : 16.0/14

+ sign -1350.917 $\pm$ 238.678 χ^2/NDF : 53.3/33

All: -678.585 $\pm$ 172.373 χ^2/NDF : 101.1/67

- sign 54.371 $\pm$ 249.207 χ^2/NDF : 31.2/33

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 ± 0.412 χ^2/NDF : 560863.4/16

Left Out: 923.198 ± 0.185 χ^2/NDF : 387413.1/16

Right Out: 1541.388 ± 0.417 χ^2/NDF : 453710.5/18

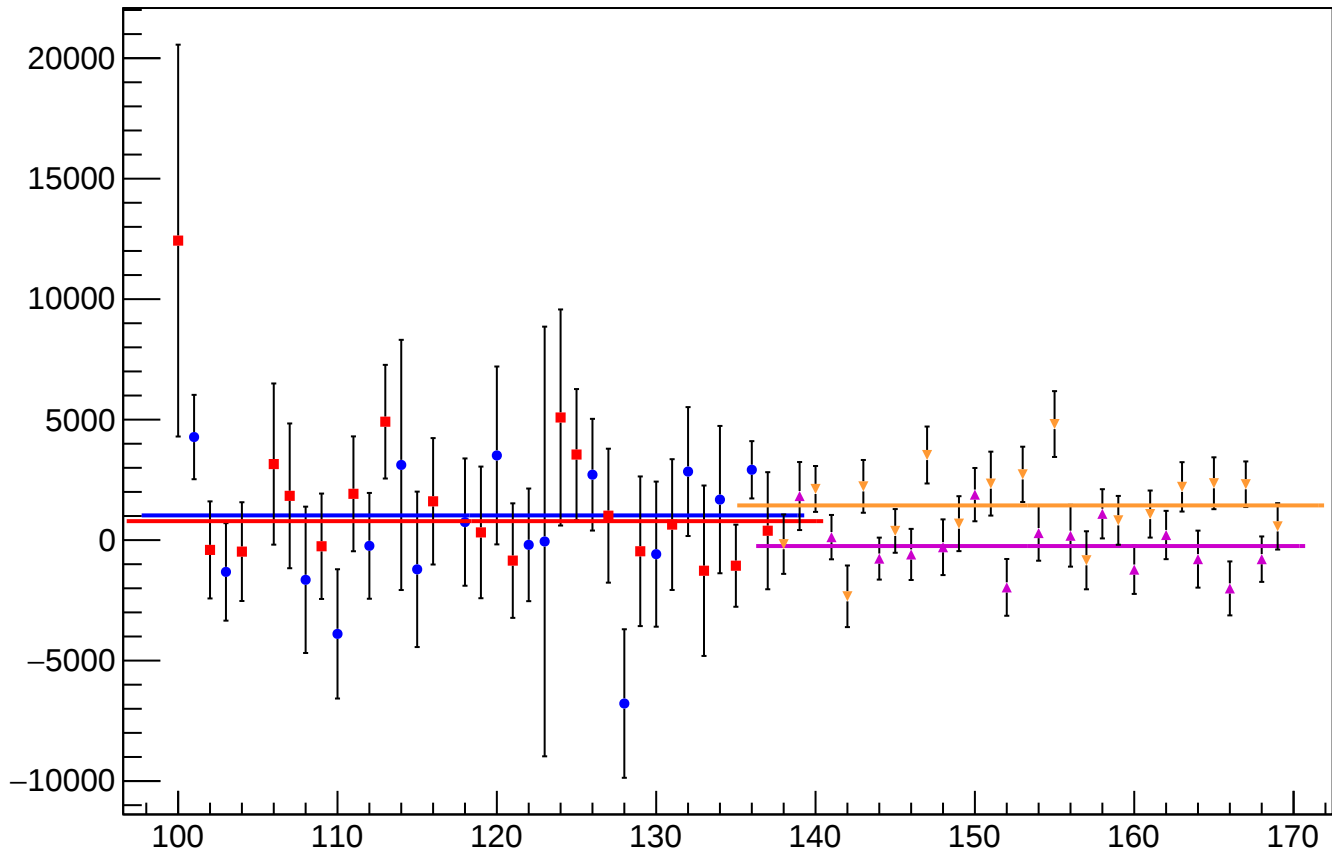
Left In: 934.195 ± 0.194 χ^2/NDF : 306103.9/14

+ sign 1013.855 ± 0.169 χ^2/NDF : 2383019.8/33

All: 1027.734 ± 0.122 χ^2/NDF : 4901615.5/67

- sign 1042.865 ± 0.176 χ^2/NDF : 2504460.6/33

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1439.869 $\pm$ 262.634 χ^2 /NDF:31.3/16

Right Out: 787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

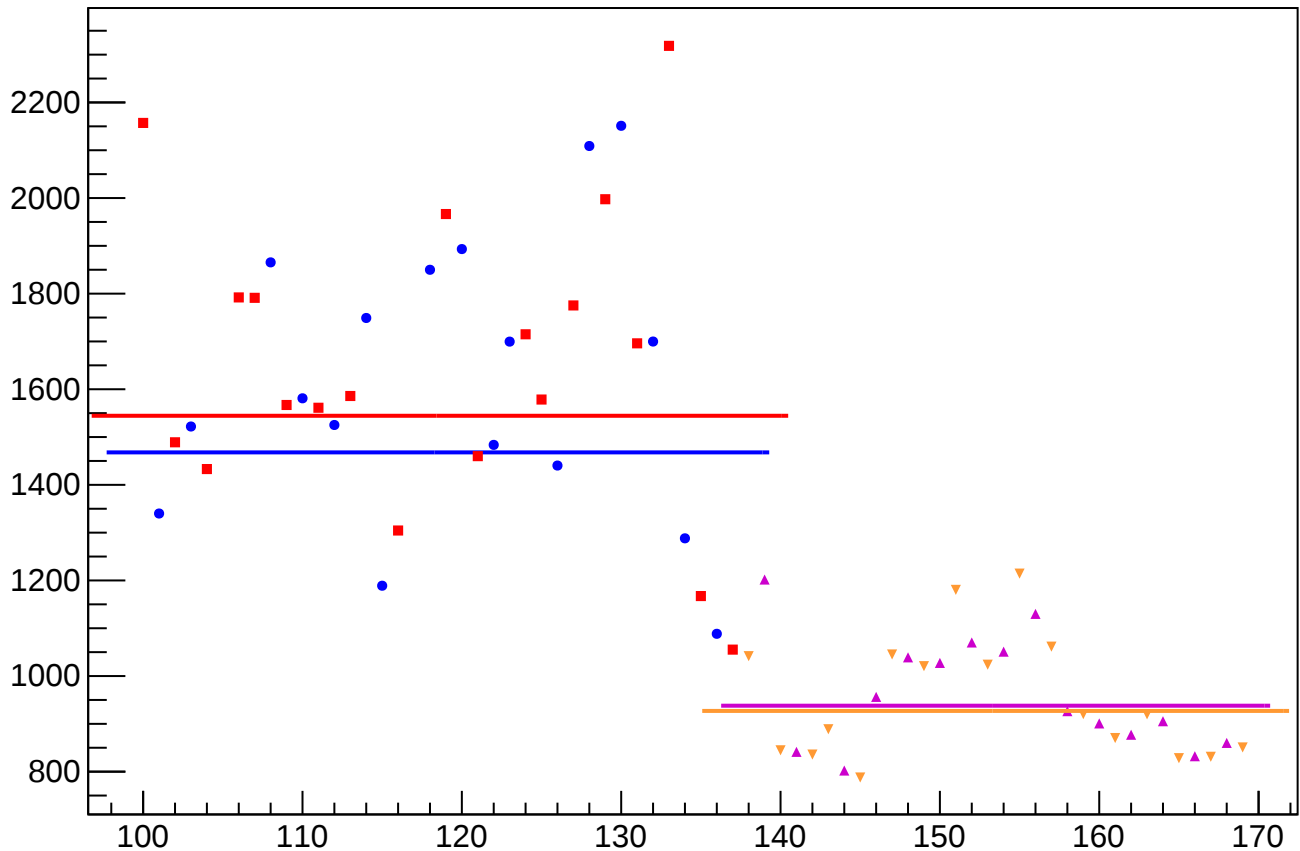
Left In: -246.307 $\pm$ 276.114 χ^2 /NDF:14.8/14

+ sign 1370.267 $\pm$ 239.562 χ^2 /NDF: 52.6/33

All: 685.526 $\pm$ 173.005 χ^2 /NDF: 98.2/67

- sign -60.857 $\pm$ 250.112 χ^2 /NDF: 28.5/33

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905 $\pm$ 0.413 χ^2 /NDF: 557458.9/16

Left Out: 927.042 $\pm$ 0.186 χ^2 /NDF: 382927.2/16

Right Out: 1544.513 $\pm$ 0.417 χ^2 /NDF: 451805.9/18

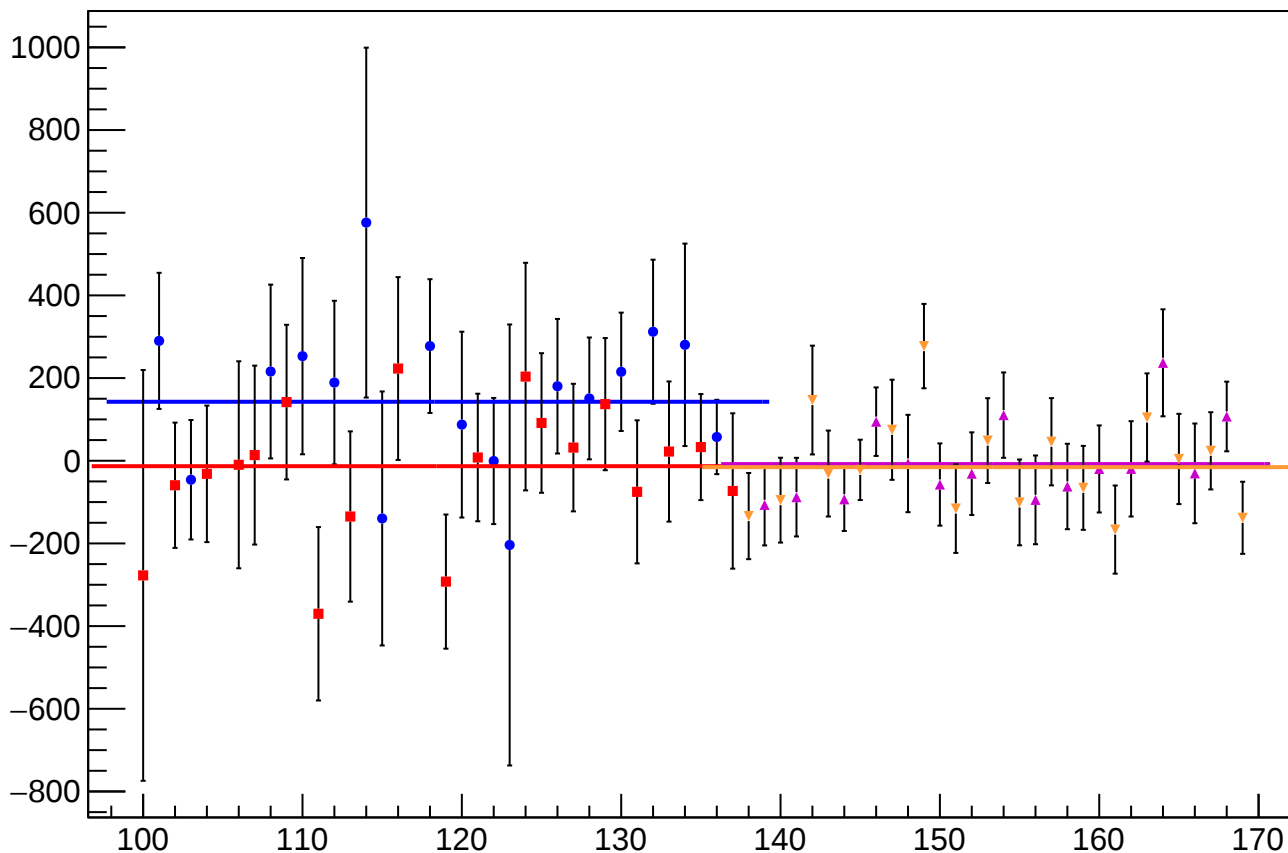
Left In: 937.980 $\pm$ 0.195 χ^2 /NDF: 302198.2/14

+ sign 1017.898 $\pm$ 0.169 χ^2 /NDF: 2365232.6/33

All: 1031.744 $\pm$ 0.122 χ^2 /NDF: 4865241.3/67

- sign 1046.835 $\pm$ 0.177 χ^2 /NDF: 2486046.4/33

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -15.460 $\pm$ 24.570 χ^2 /NDF:20.2/16

Right Out: -13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

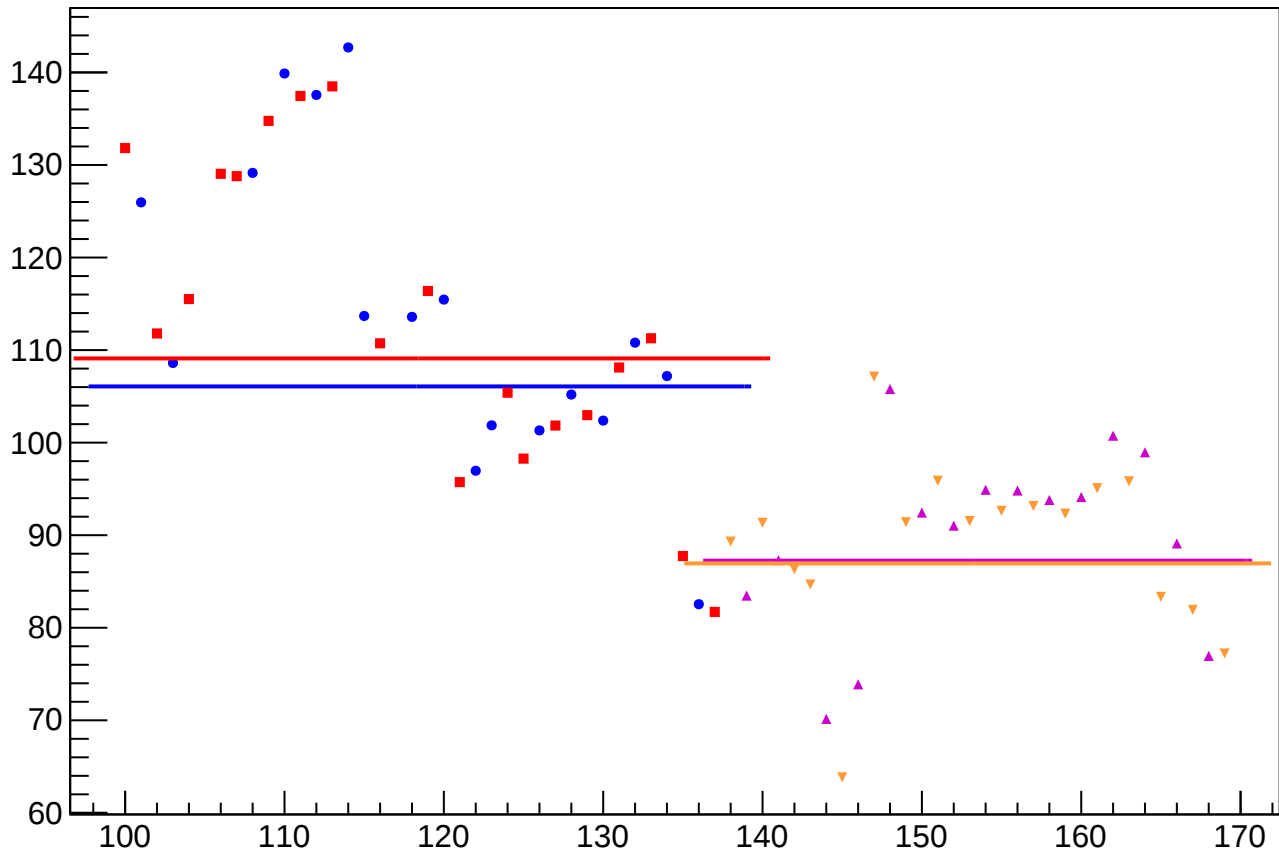
Left In: -8.085 $\pm$ 25.714 χ^2 /NDF:12.5/14

+ sign 25.402 $\pm$ 21.159 χ^2 /NDF: 40.2/33

All: 8.505 $\pm$ 15.198 χ^2 /NDF: 64.9/67

- sign -9.502 $\pm$ 21.843 χ^2 /NDF: 23.4/33

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 86.954 $\pm$ 0.017 χ^2 /NDF: 360247.0/16

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

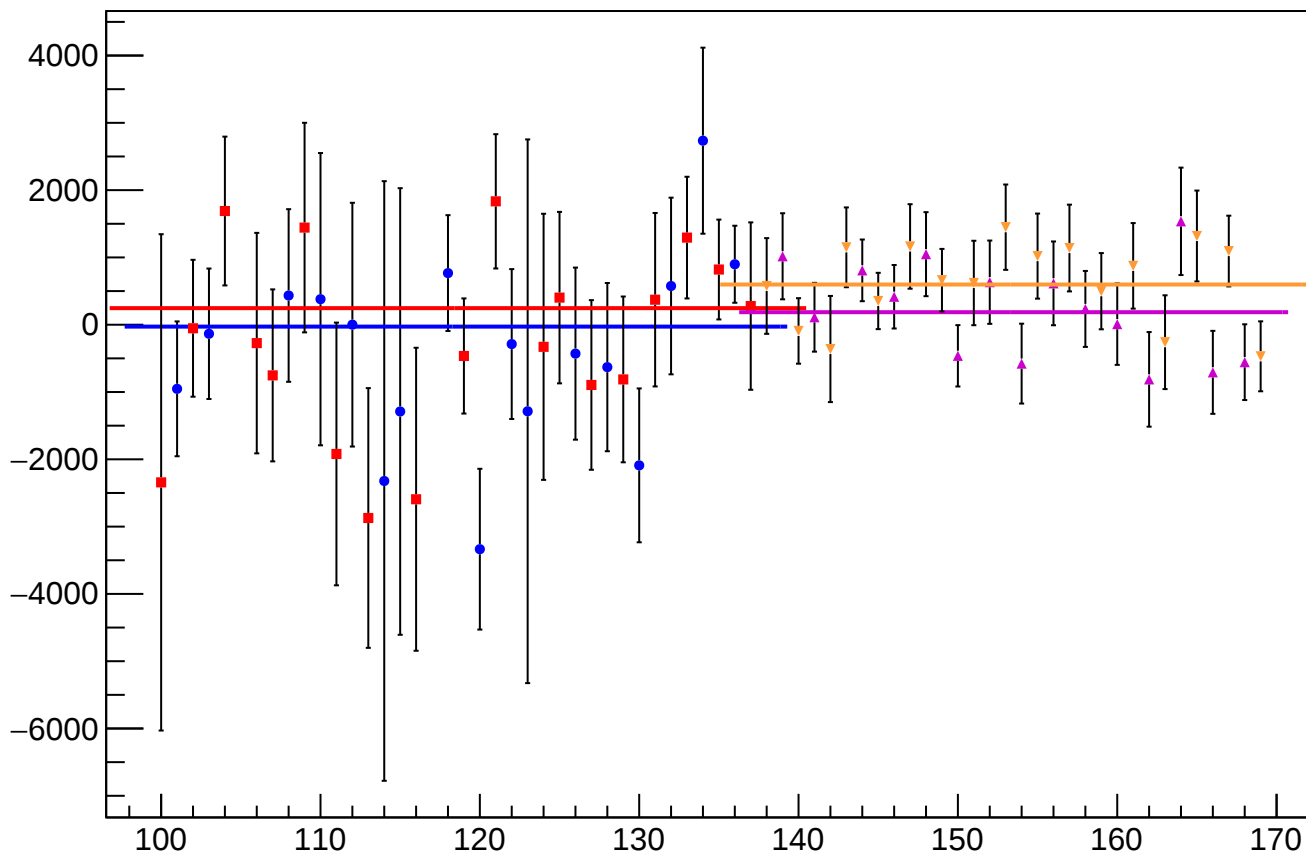
Left In: 87.250 $\pm$ 0.018 χ^2 /NDF: 324050.0/14

+ sign 91.894 $\pm$ 0.015 χ^2 /NDF: 991080.0/33

All: 92.591 $\pm$ 0.011 χ^2 /NDF: 2007089.8/67

- sign 93.334 $\pm$ 0.015 χ^2 /NDF: 1011531.1/33

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 597.350 ± 140.537 χ^2/NDF : 16.5/16

Right Out: 246.386 ± 279.451 χ^2/NDF : 15.9/18

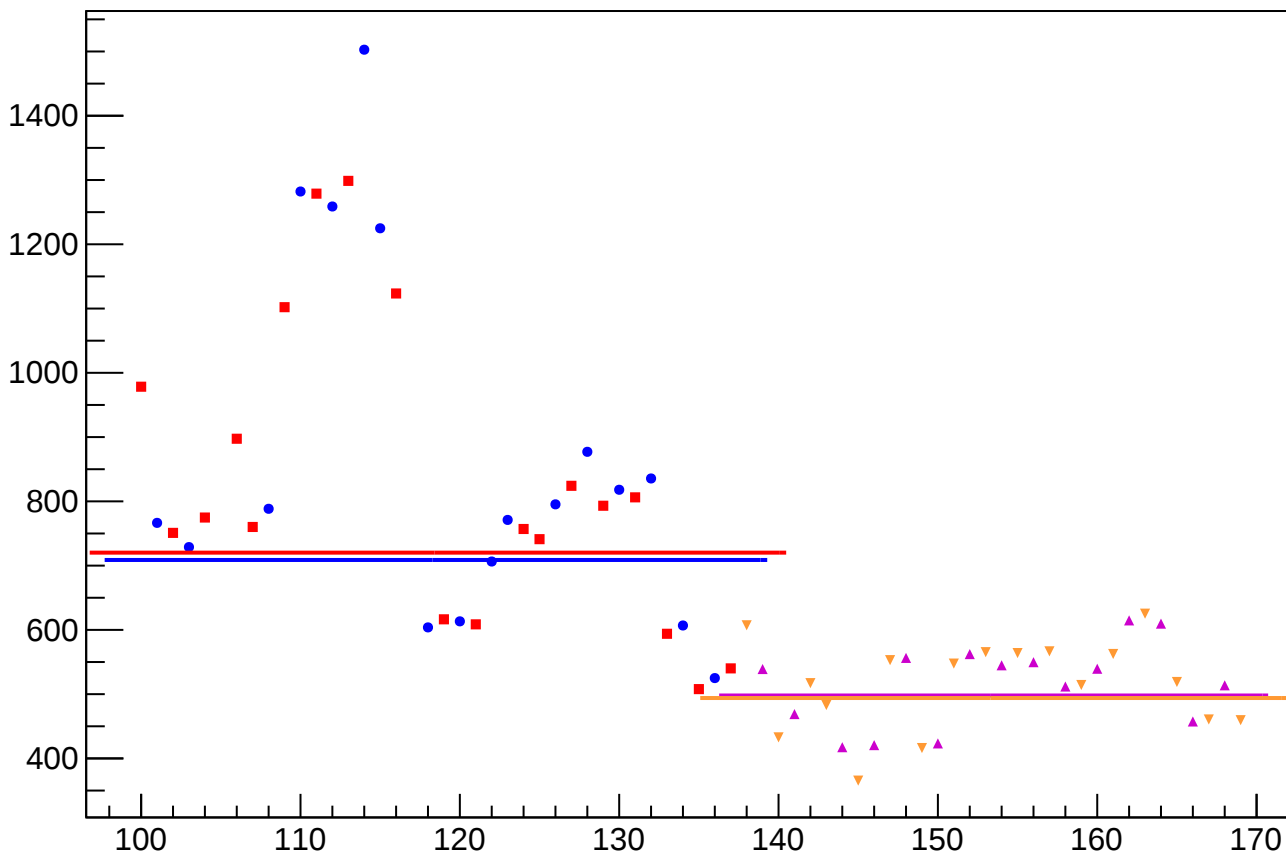
Left In: 186.190 ± 147.142 χ^2/NDF : 19.2/14

+ sign 474.165 ± 125.936 χ^2/NDF : 40.9/33

All: 341.282 ± 90.519 χ^2/NDF : 78.3/67

- sign 199.257 ± 130.197 χ^2/NDF : 35.1/33

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 493.981 $\pm$ 0.099 χ^2 /NDF: 553114.8/16

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

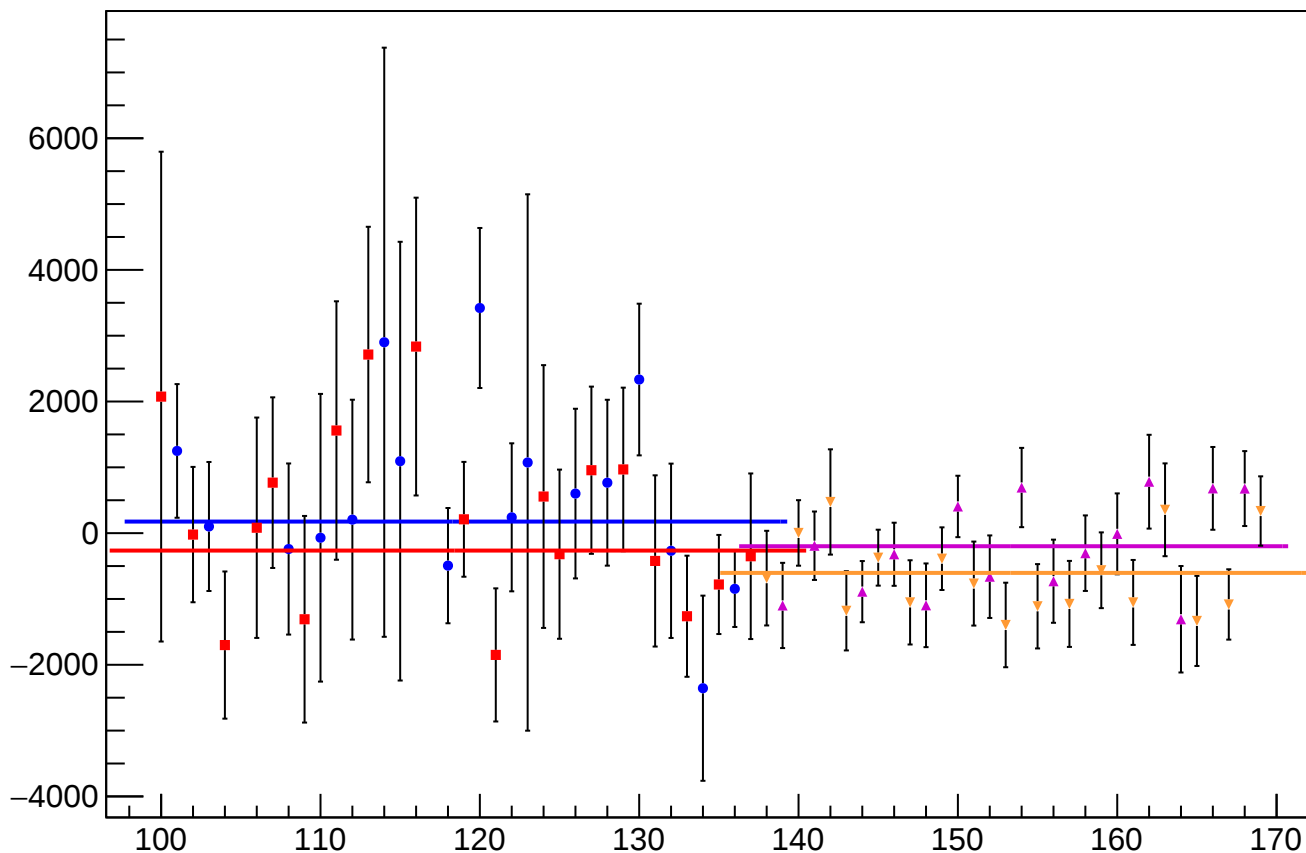
Left In: 497.920 $\pm$ 0.104 χ^2 /NDF: 364444.5/14

+ sign 536.296 $\pm$ 0.089 χ^2 /NDF: 2267070.5/33

All: 541.069 $\pm$ 0.064 χ^2 /NDF: 4528106.1/67

- sign 546.169 $\pm$ 0.092 χ^2 /NDF: 2255093.6/33

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -603.925 $\pm$ 142.830 χ^2 /NDF:15.4/16

Right Out: -264.622 $\pm$ 283.074 χ^2 /NDF: 14.8/18

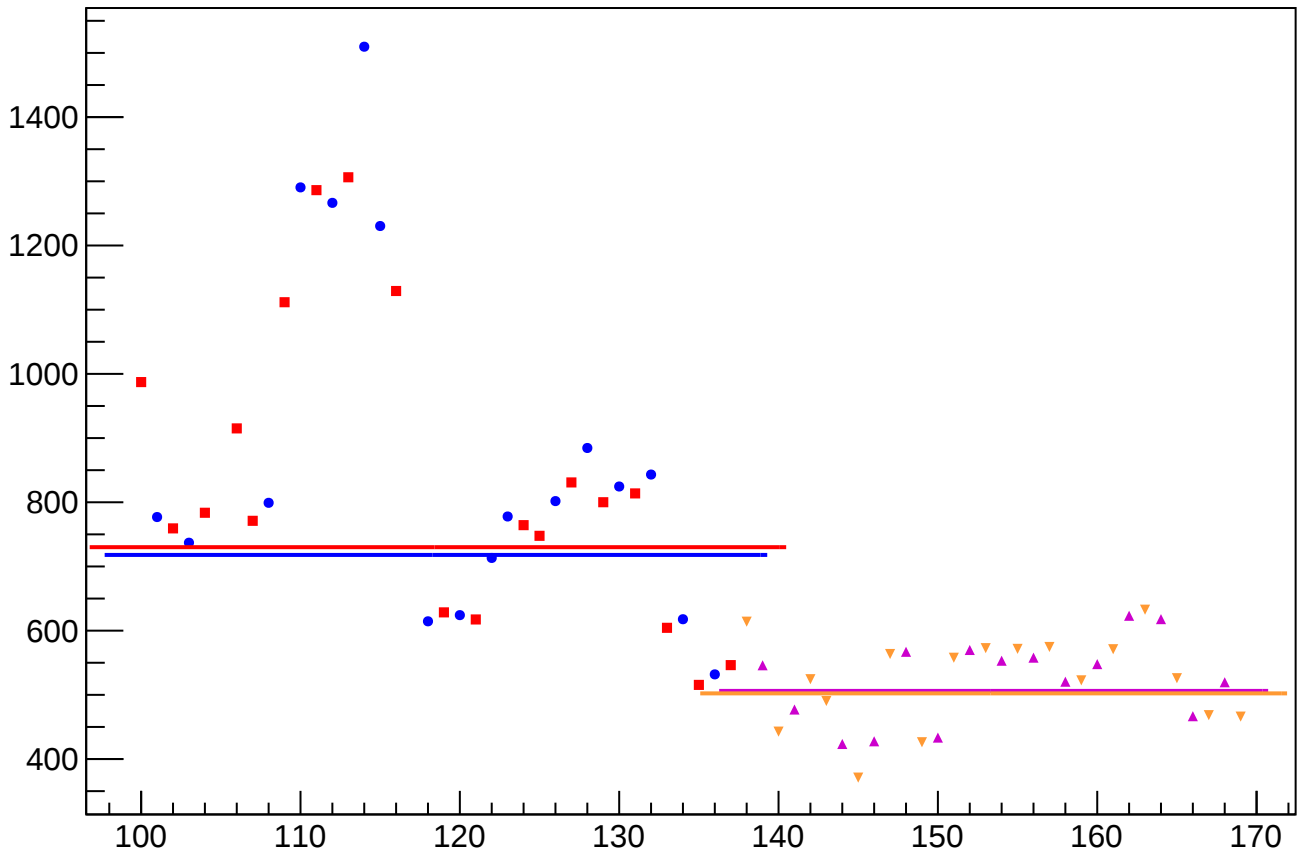
Left In: -198.720 $\pm$ 149.521 χ^2 /NDF:19.5/14

+ sign -449.322 $\pm$ 127.890 χ^2 /NDF: 41.1/33

All: -335.132 $\pm$ 91.922 χ^2 /NDF: 77.1/67

- sign -213.096 $\pm$ 132.211 χ^2 /NDF: 34.4/33

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 502.284 $\pm$ 0.101 χ^2 /NDF: 540075.8/16

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

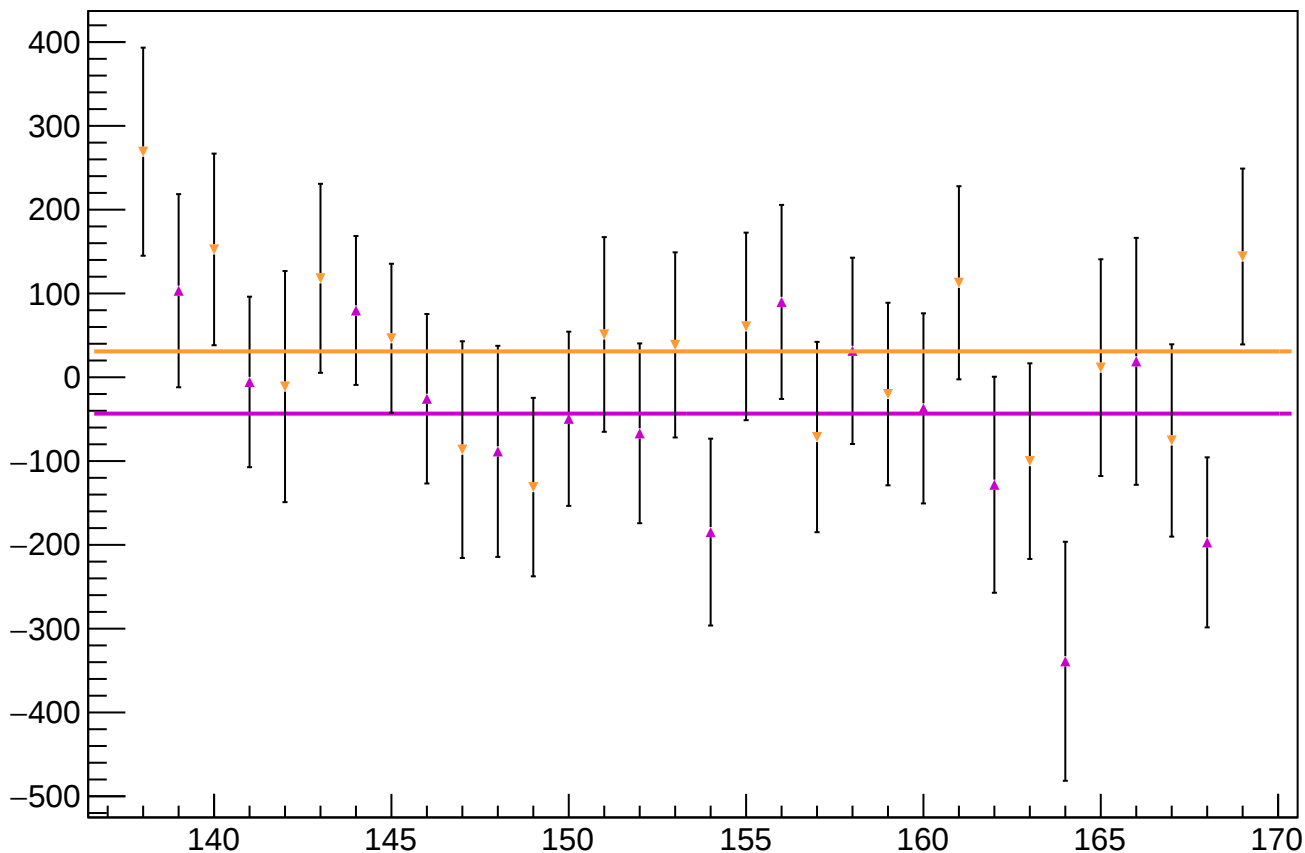
Left In: 506.143 $\pm$ 0.106 χ^2 /NDF: 355591.6/14

+ sign 545.048 $\pm$ 0.090 χ^2 /NDF: 2222917.2/33

All: 549.851 $\pm$ 0.065 χ^2 /NDF: 4444449.1/67

- sign 554.984 $\pm$ 0.093 χ^2 /NDF: 2215695.9/33

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 30.891+/-27.524 χ^2/NDF :13.6/16

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

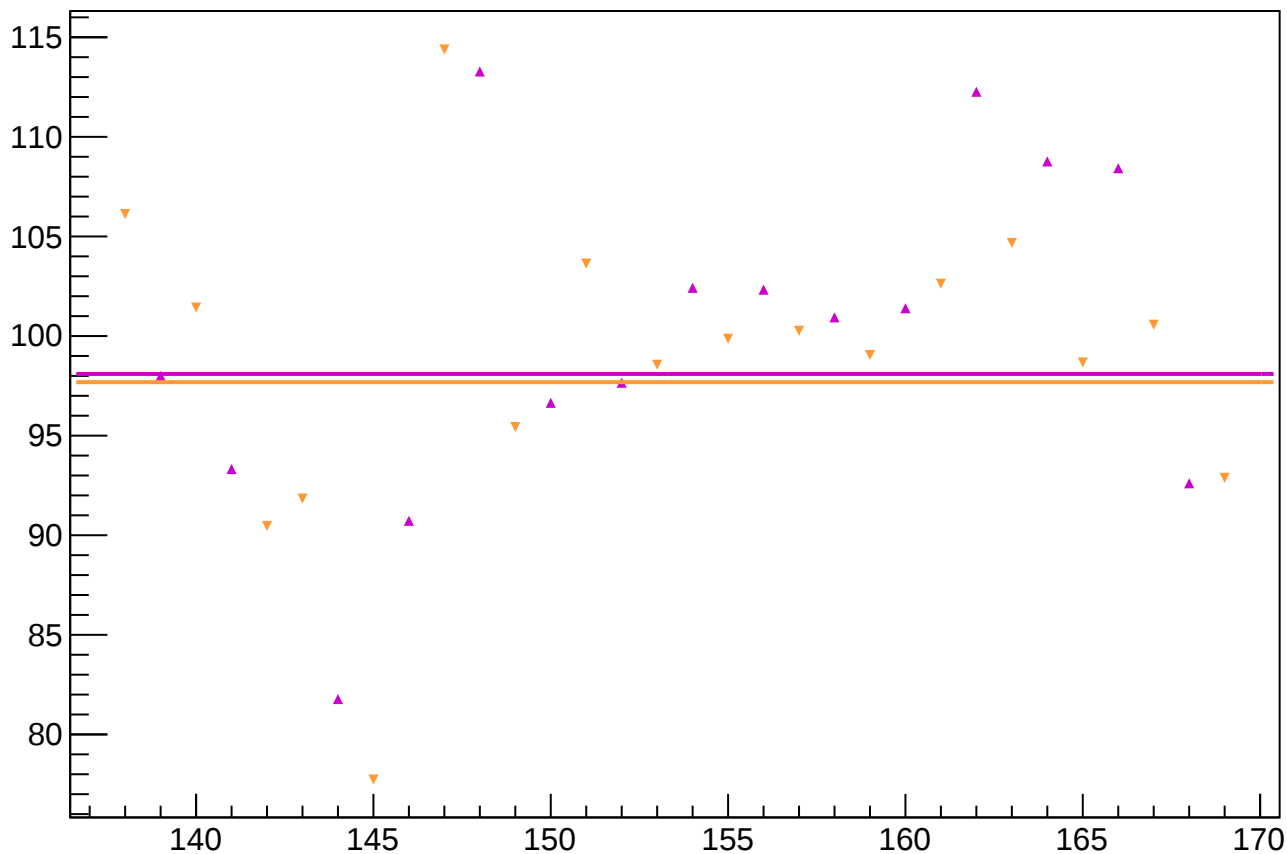
Left In: -43.386+/-28.809 χ^2/NDF :14.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -4.555+/-19.901 χ^2/NDF : 31.6/31

- sign 0.000+/-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: 97.685+/-0.019 χ^2/NDF : 181075.0/16

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

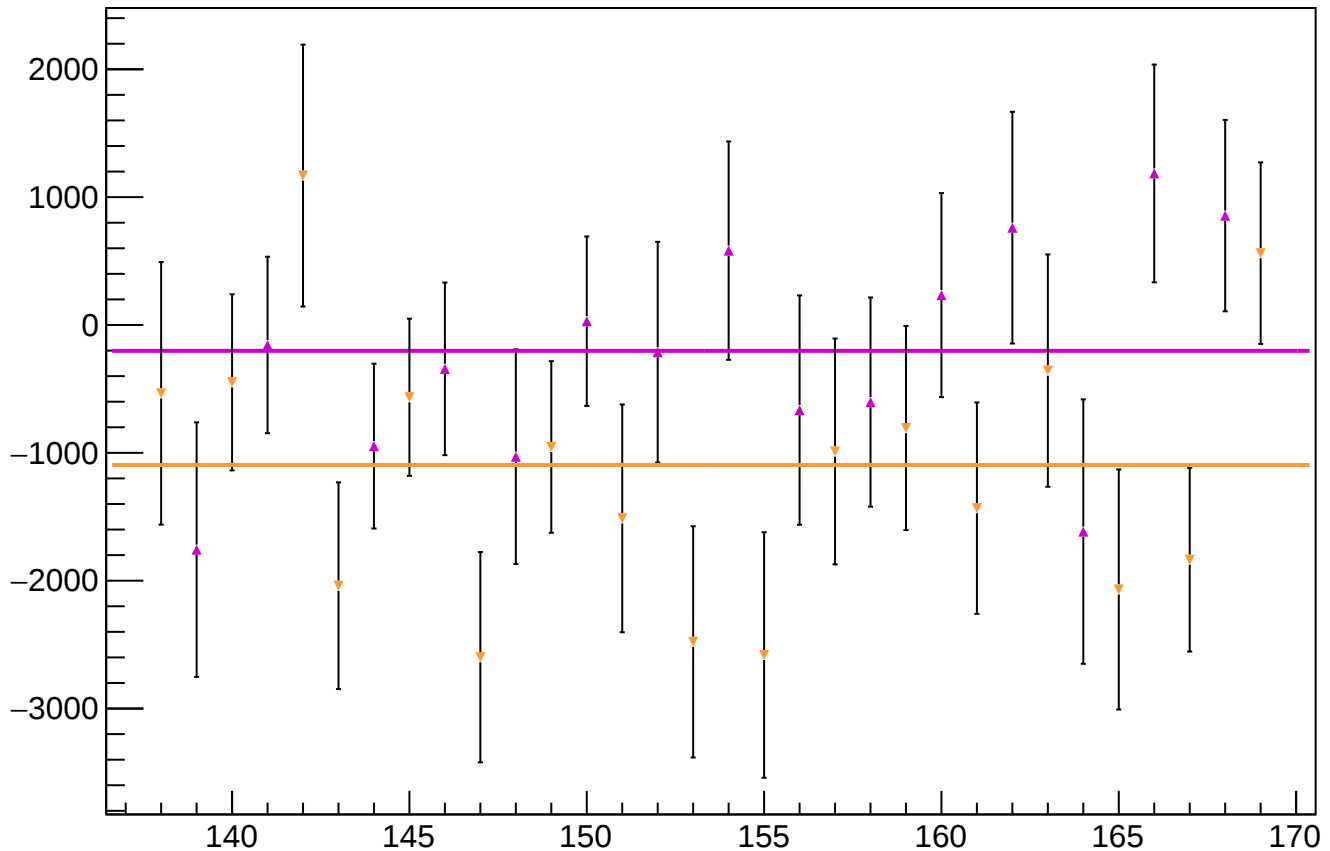
Left In: 98.097+/-0.020 χ^2/NDF : 171659.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 97.882+/-0.014 χ^2/NDF : 352948.3/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -1094.837 $\pm$ 195.984 χ^2 /NDF:25.1/16

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

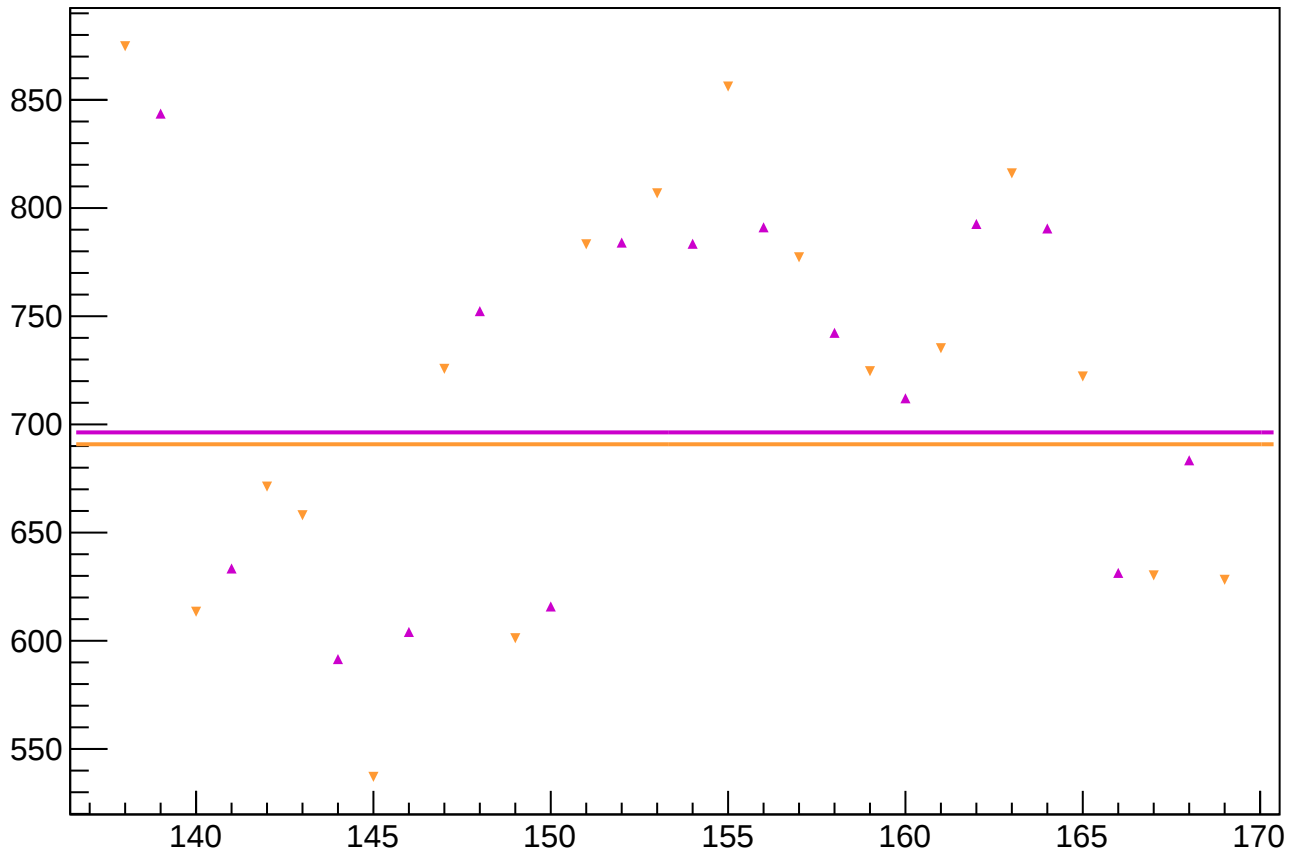
Left In: -202.016 $\pm$ 205.227 χ^2 /NDF:14.2/14

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

All: -668.985 $\pm$ 141.737 χ^2 /NDF: 49.2/31

- sign 0.000 $\pm$ 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: 690.823+/-0.139 χ^2/NDF : 469964.5/16

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

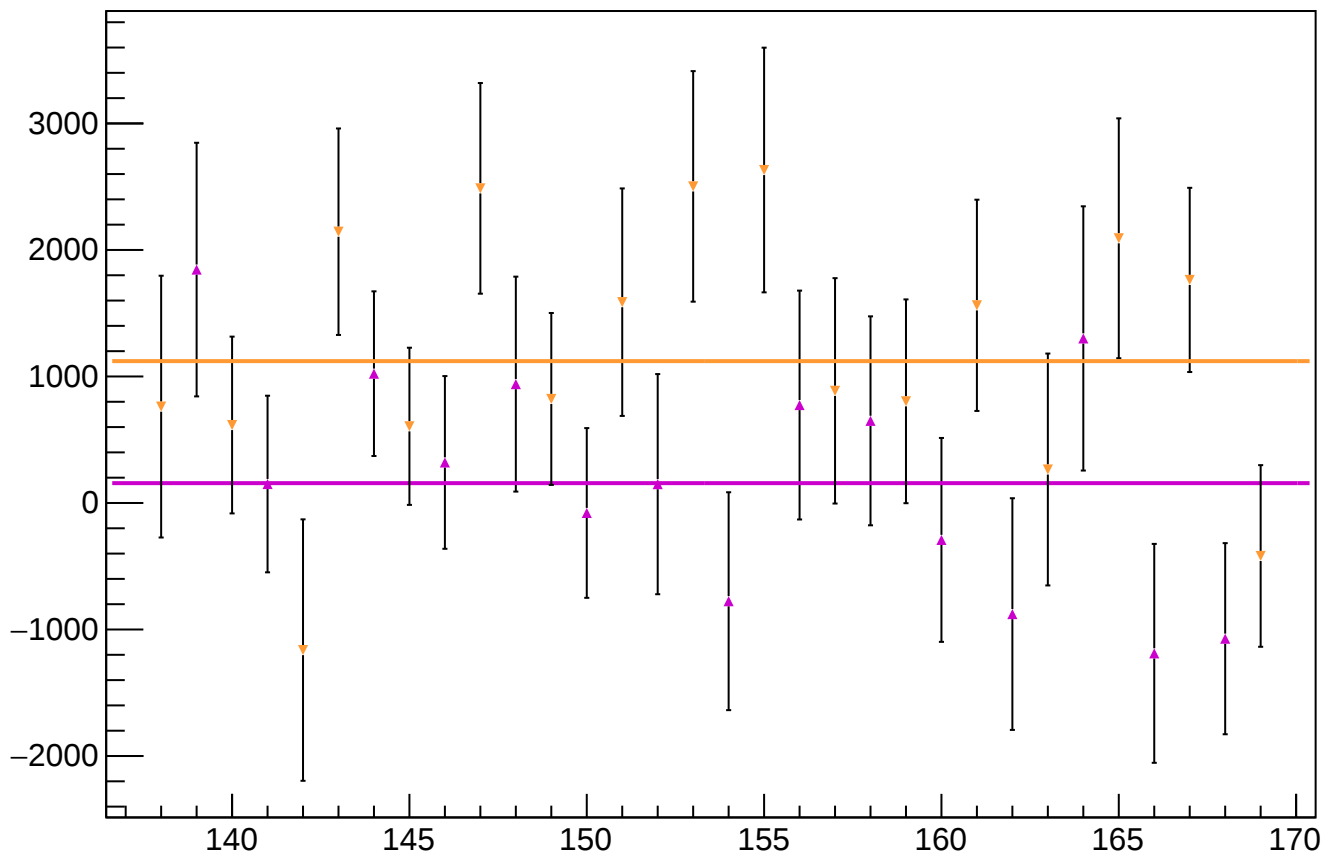
Left In: 696.310+/-0.145 χ^2/NDF : 311391.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 693.440+/-0.100 χ^2/NDF : 782103.5/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_mean vs Slug



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

Left Out: 1121.283+/-198.032 χ^2/NDF : 23.5/16

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

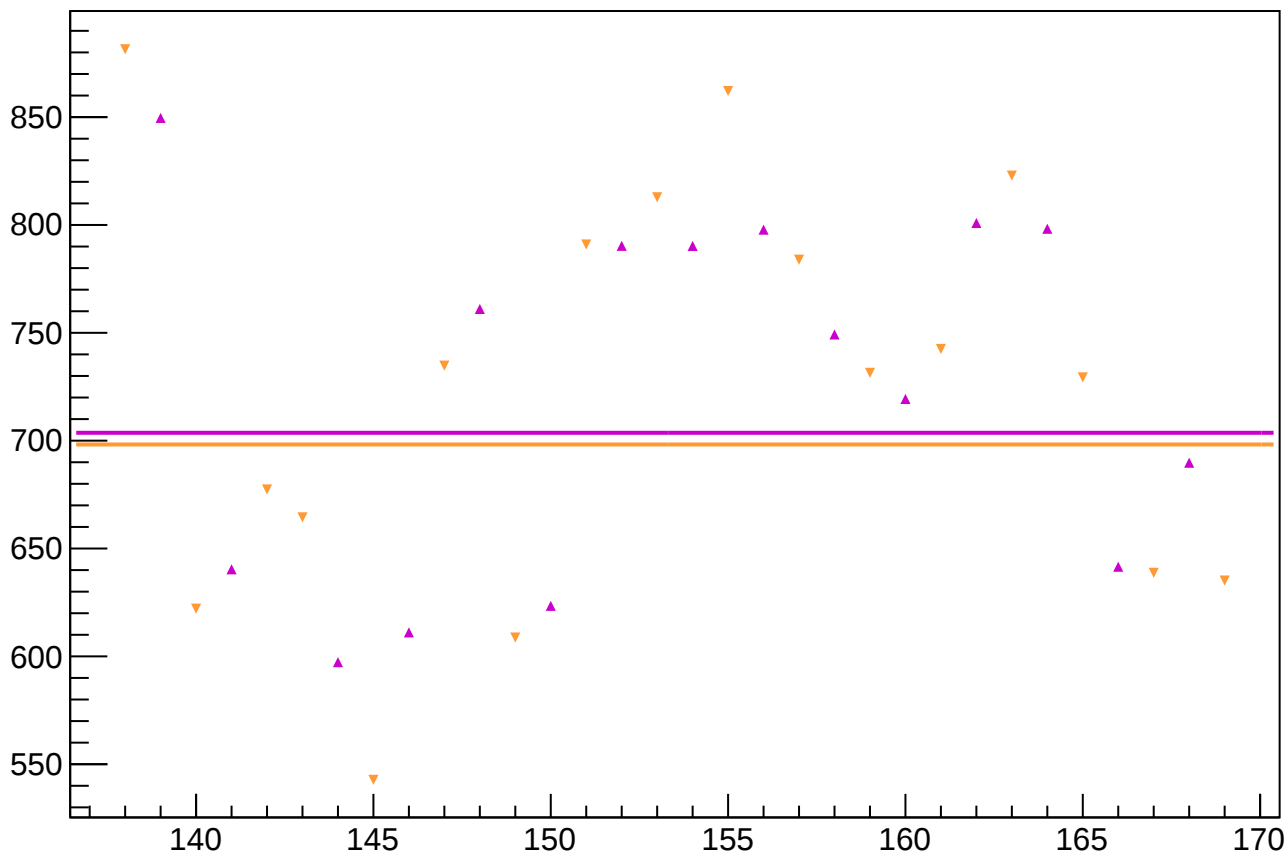
Left In: 156.842+/-207.352 χ^2/NDF : 15.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 661.223+/-143.212 χ^2/NDF : 50.3/31

- sign 0.000+/-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: 698.233+/-0.140 χ^2/NDF : 460440.0/16

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

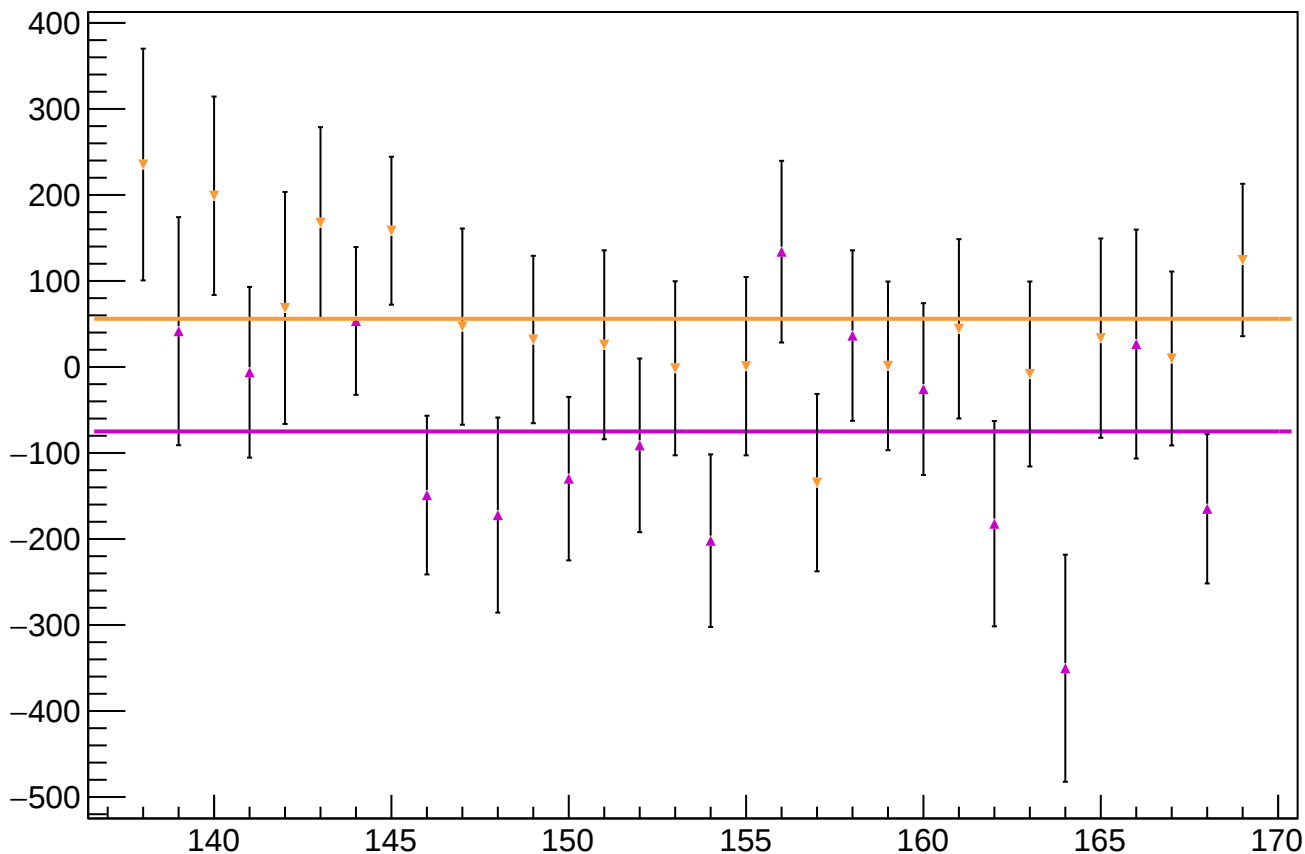
Left In: 703.656+/-0.147 χ^2/NDF : 305332.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 700.820+/-0.101 χ^2/NDF : 766488.1/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 56.005+/-25.536 χ^2/NDF : 11.4/16

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

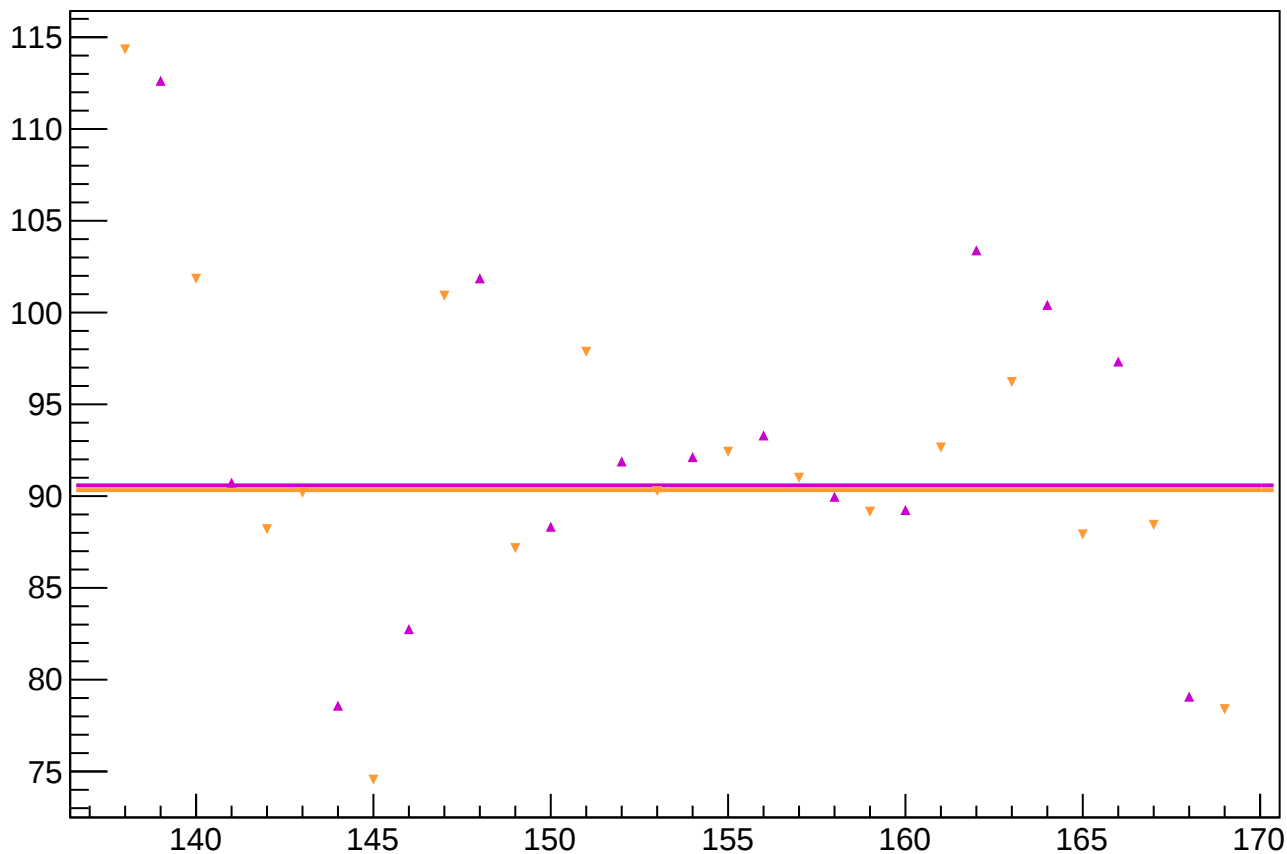
Left In: -74.978+/-26.671 χ^2/NDF : 19.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -6.639+/-18.445 χ^2/NDF : 43.1/31

- sign 0.000+/-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: 90.326+/-0.018 χ^2/NDF :226030.2/16

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

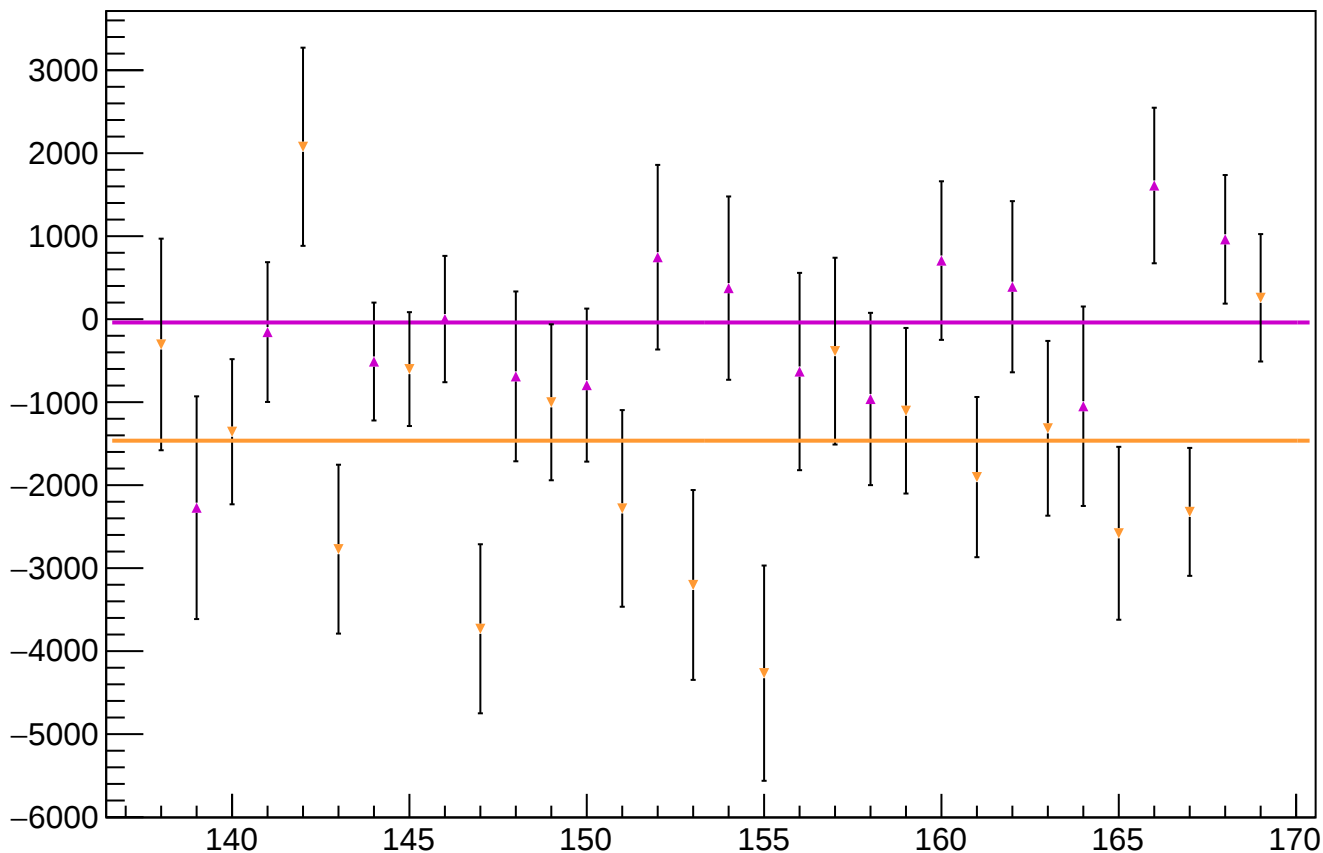
Left In: 90.584+/-0.019 χ^2/NDF :206652.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 90.449+/-0.013 χ^2/NDF : 432779.6/31

- 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: -1464.129 $\pm$ 236.009 χ^2 /NDF:34.2/16

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

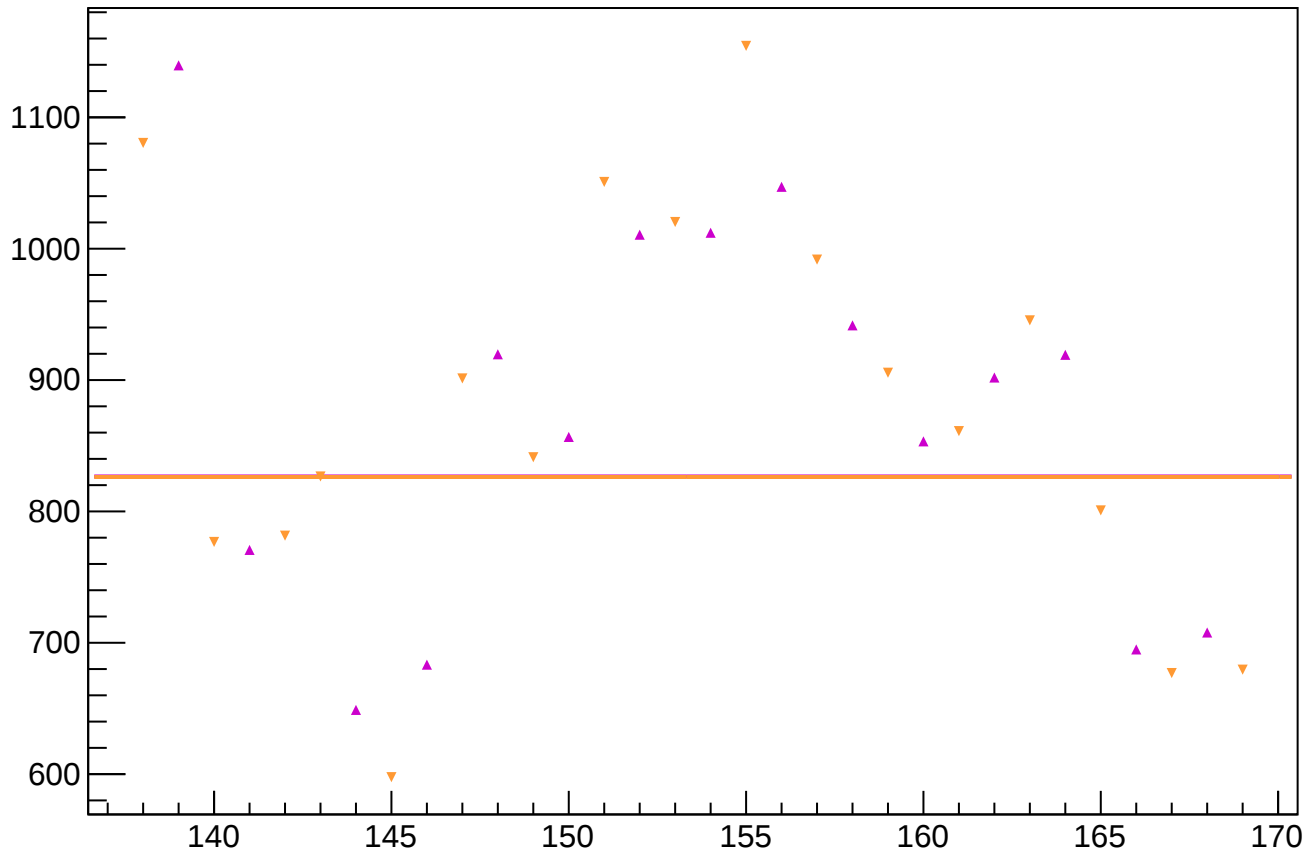
Left In: -39.819 $\pm$ 245.437 χ^2 /NDF:12.2/14

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

All: -779.854 $\pm$ 170.119 χ^2 /NDF: 63.9/31

- 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: 826.216+/-0.167 χ^2/NDF : 812944.7/16

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

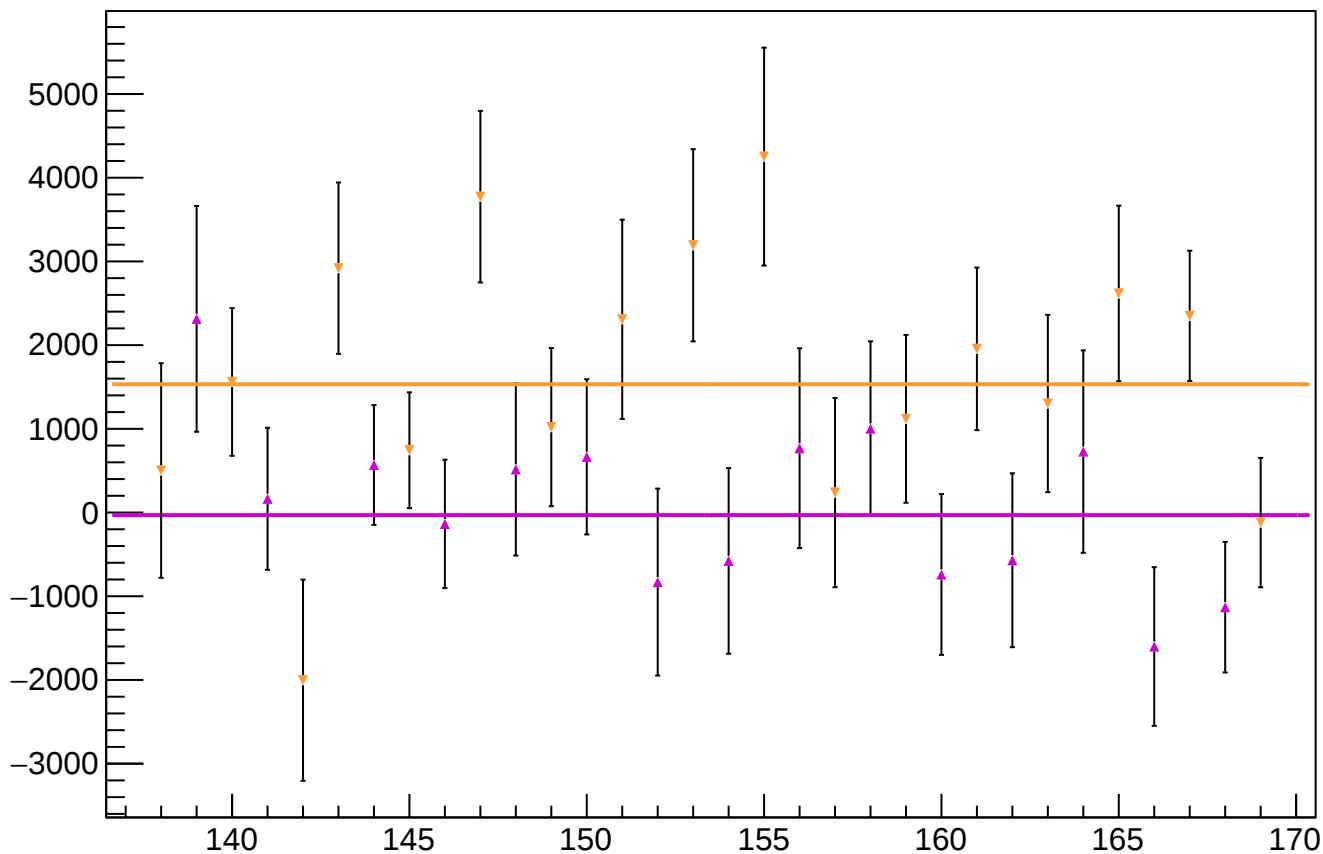
Left In: 826.600+/-0.174 χ^2/NDF : 647504.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 826.401+/-0.120 χ^2/NDF : 1460452.1/31

- 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: 1532.429+/-237.524 χ^2/NDF : 32.9/16

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

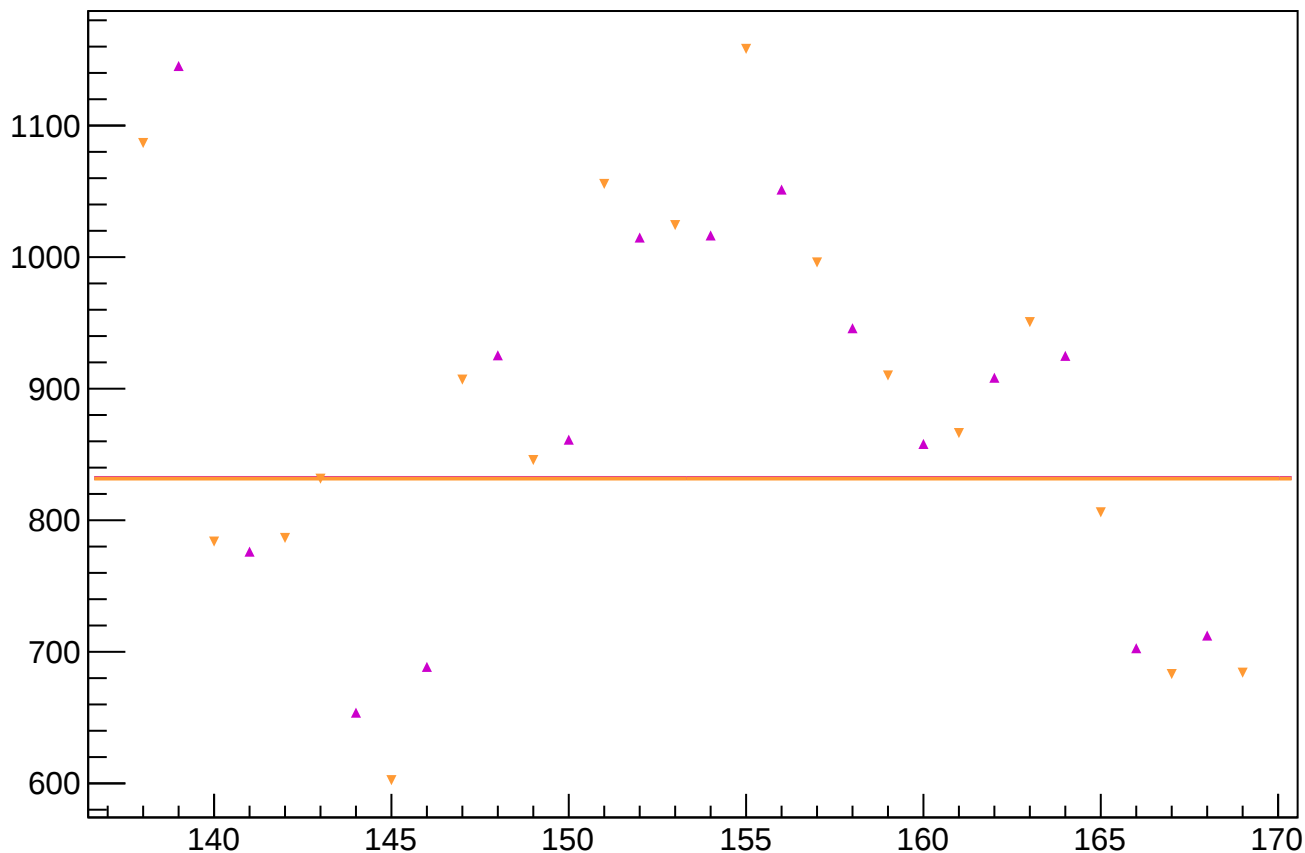
Left In: -30.979+/-247.021 χ^2/NDF : 12.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 781.354+/-171.214 χ^2/NDF : 66.4/31

- 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: 831.728+/-0.168 χ^2/NDF : 801236.3/16

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

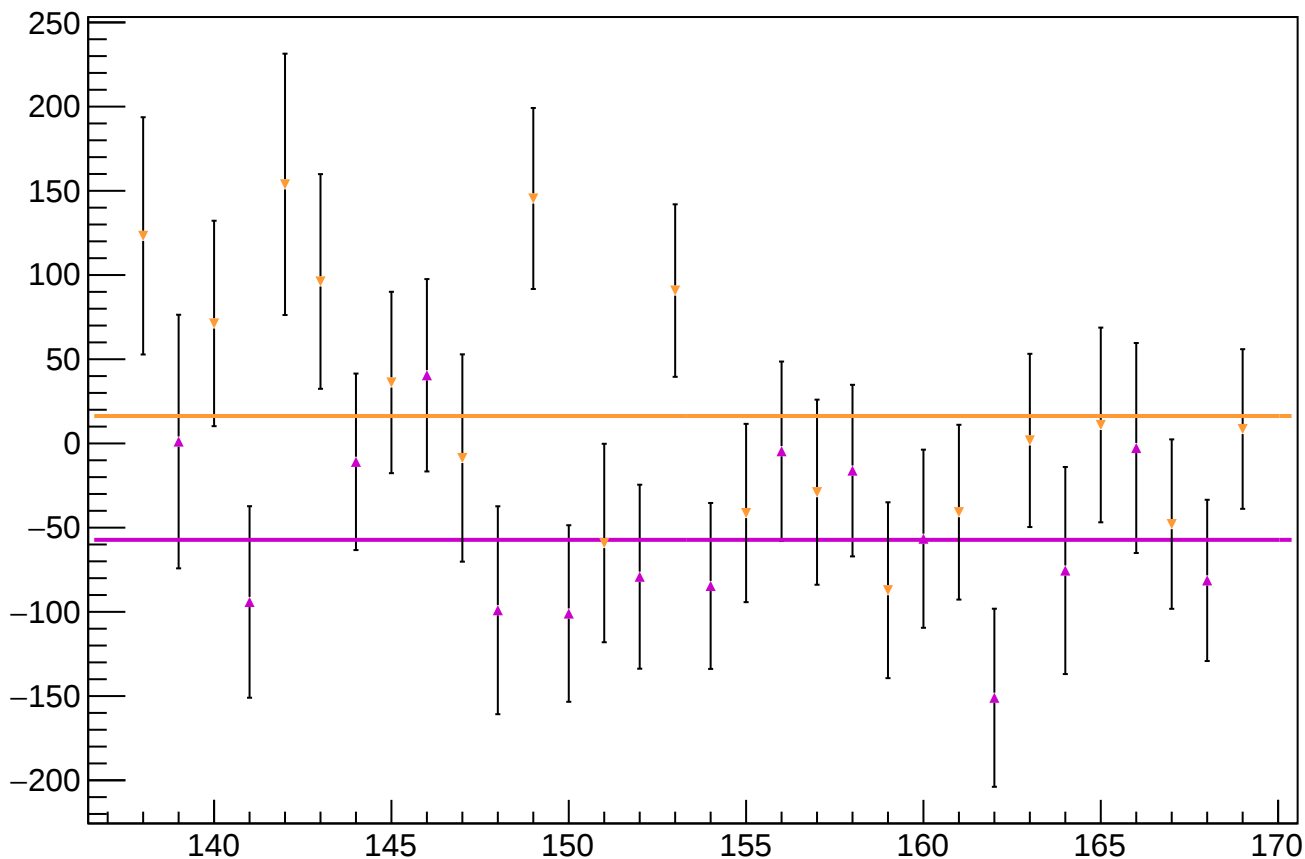
Left In: 832.126+/-0.175 χ^2/NDF : 637855.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 831.920+/-0.121 χ^2/NDF : 1439094.7/31

- 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: 16.282+/-13.545 χ^2/NDF : 26.4/16

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

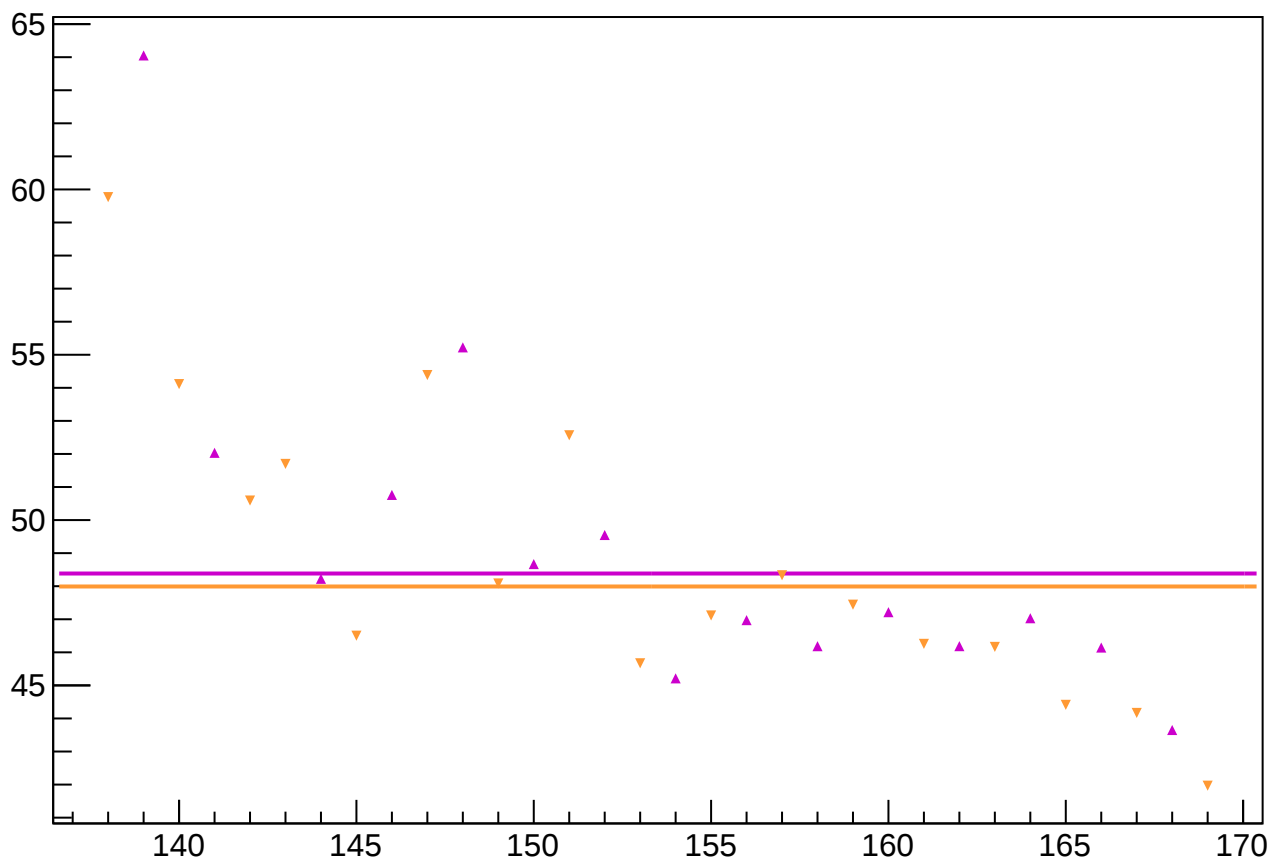
Left In: -57.238+/-14.226 χ^2/NDF : 12.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -18.675+/-9.810 χ^2/NDF : 52.6/31

- 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: 47.991+/-0.010 χ^2/NDF : 181486.9/16

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

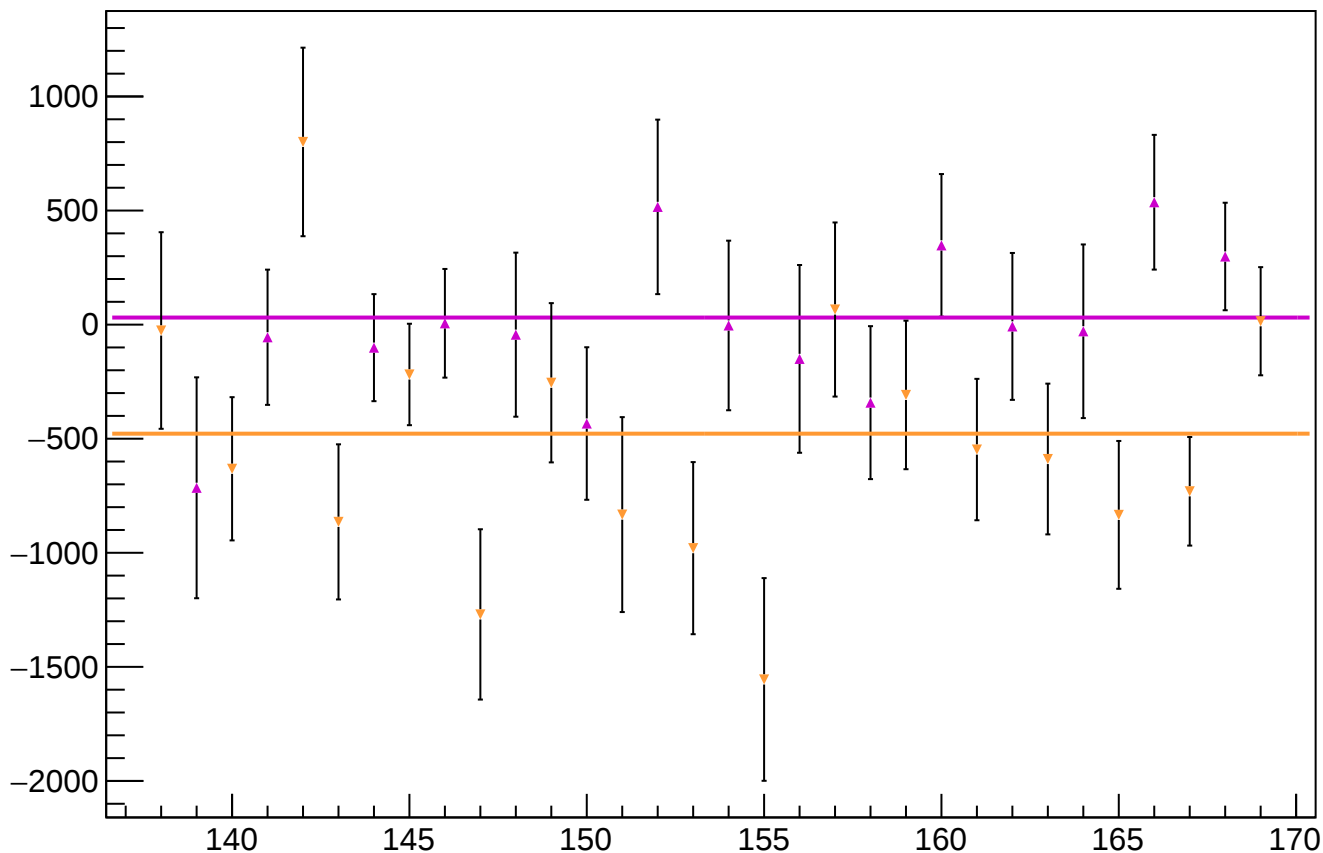
Left In: 48.384+/-0.010 χ^2/NDF : 164797.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 48.178+/-0.007 χ^2/NDF : 347082.9/31

- 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: -477.906+/-78.059 χ^2/NDF : 36.0/16

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

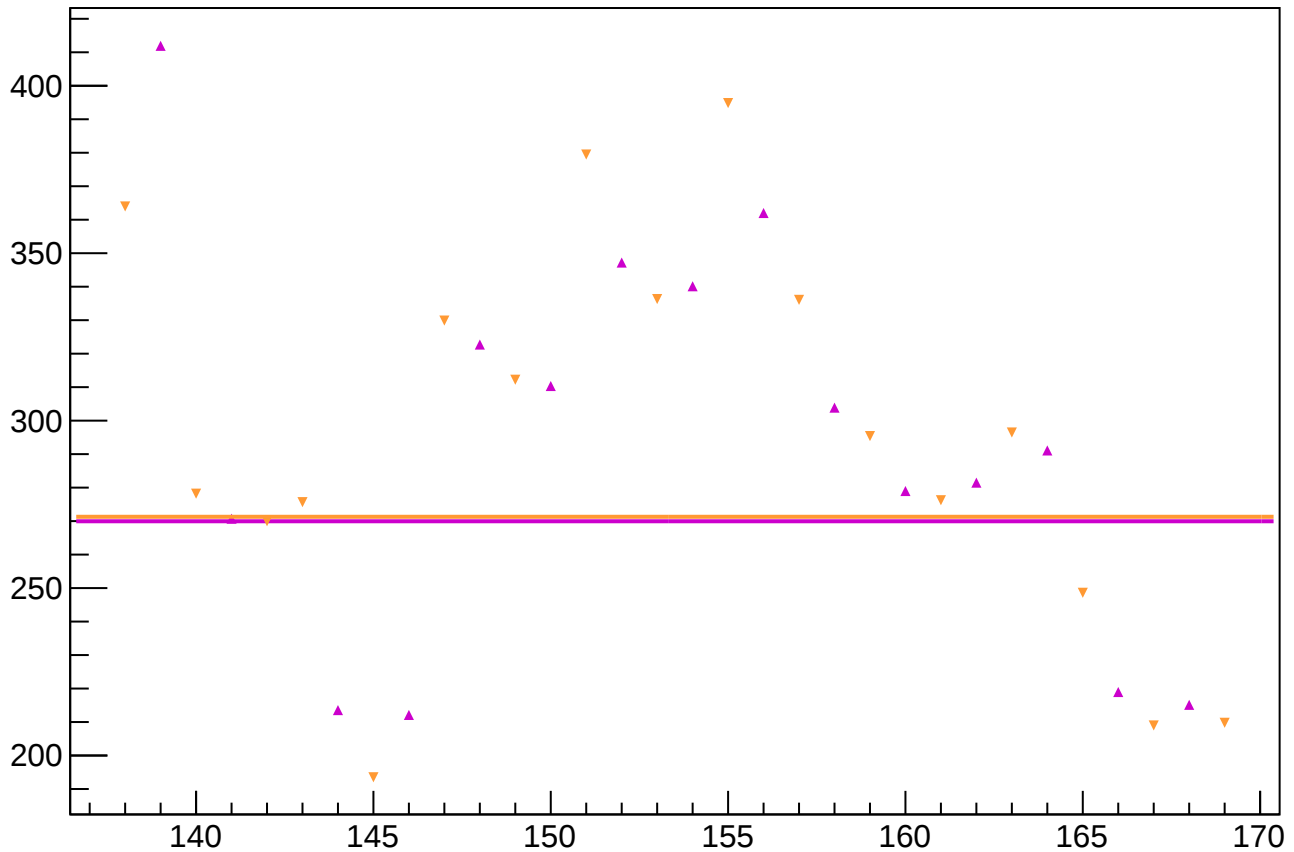
Left In: 31.033+/-80.767 χ^2/NDF : 13.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -232.113+/-56.129 χ^2/NDF : 69.6/31

- 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: 271.295+/-0.055 χ^2/NDF :1120325.0/16

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

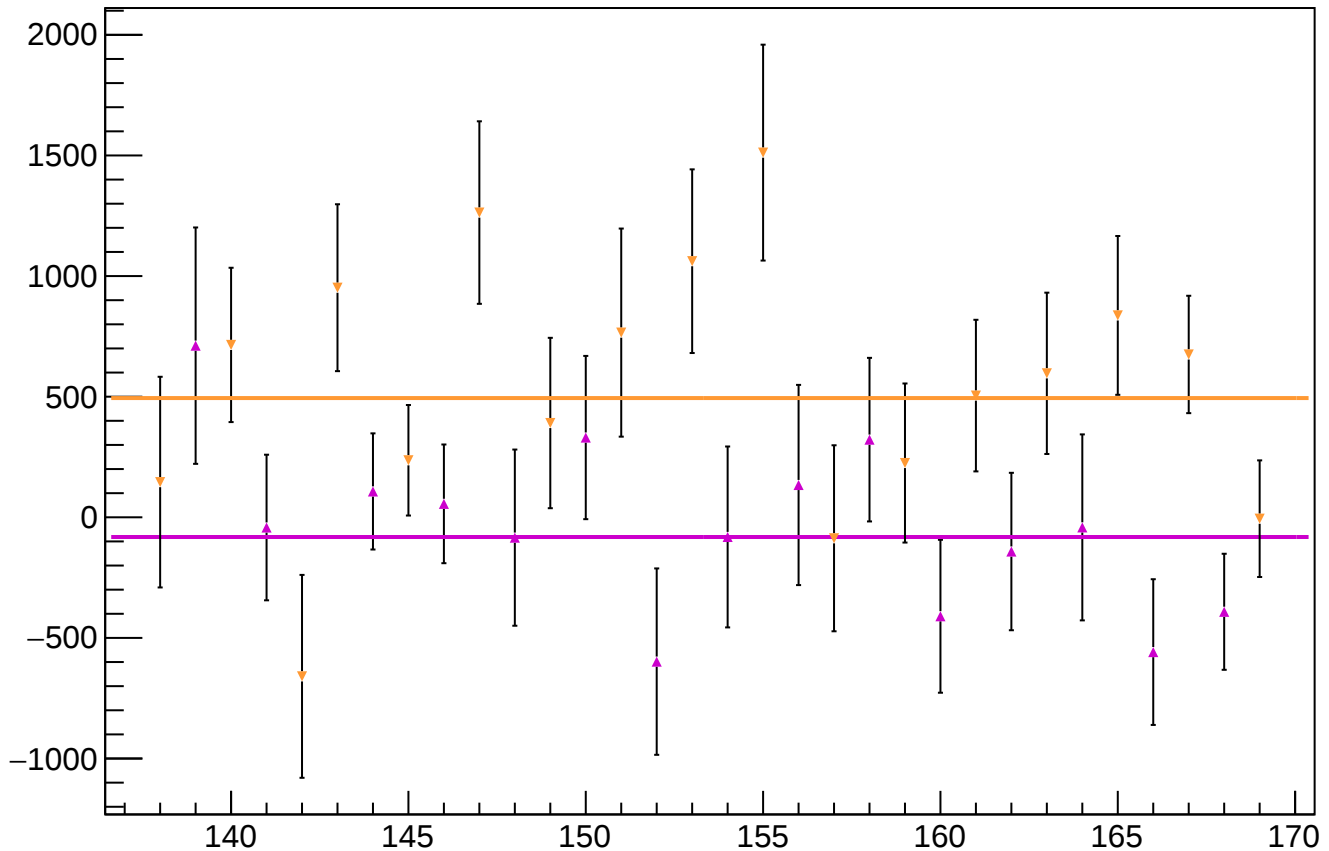
Left In: 269.951+/-0.057 χ^2/NDF :929634.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 270.646+/-0.040 χ^2/NDF : 2050245.7/31

- 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: 494.295+/-79.409 χ^2/NDF : 32.6/16

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

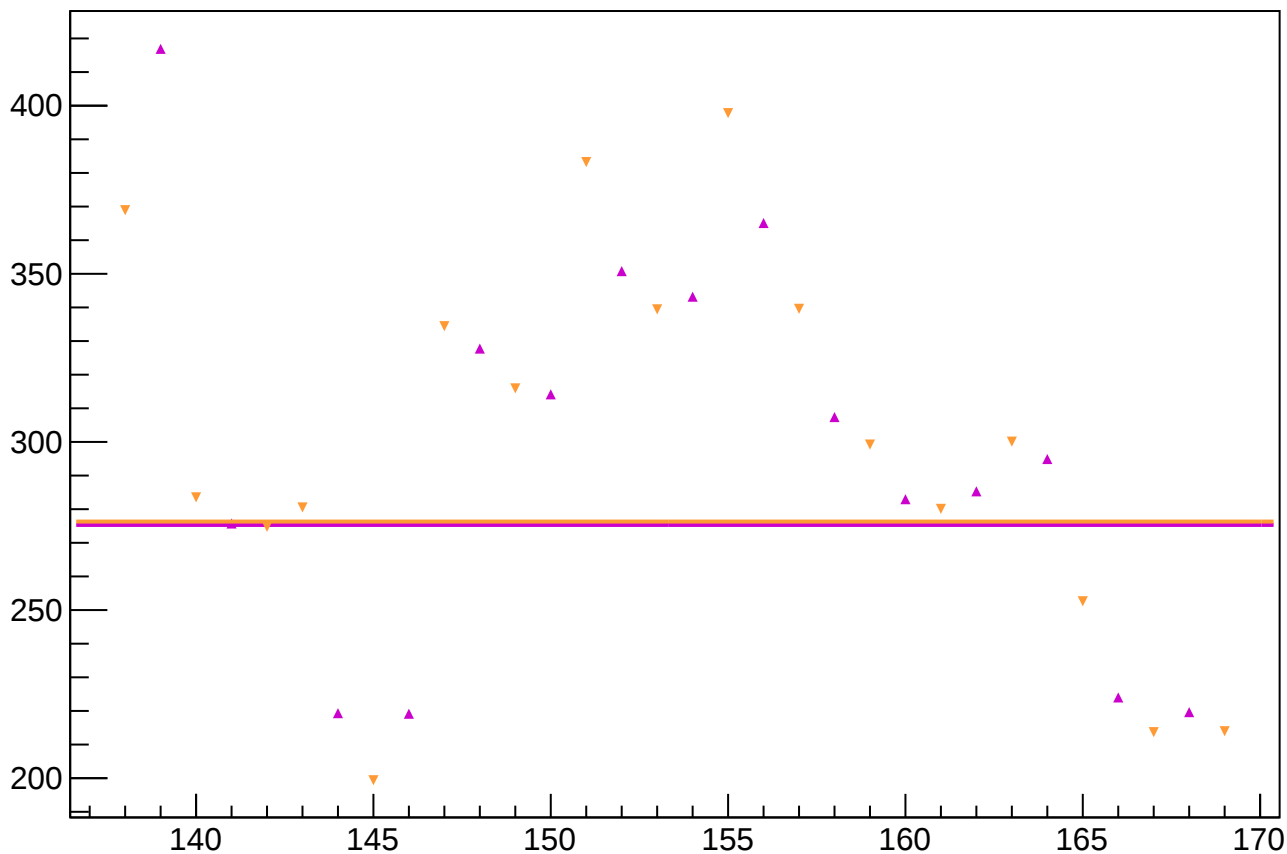
Left In: -81.706+/-82.261 χ^2/NDF : 13.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 216.452+/-57.132 χ^2/NDF : 71.8/31

- 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: 276.318+/-0.056 χ^2/NDF :1064294.5/16

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

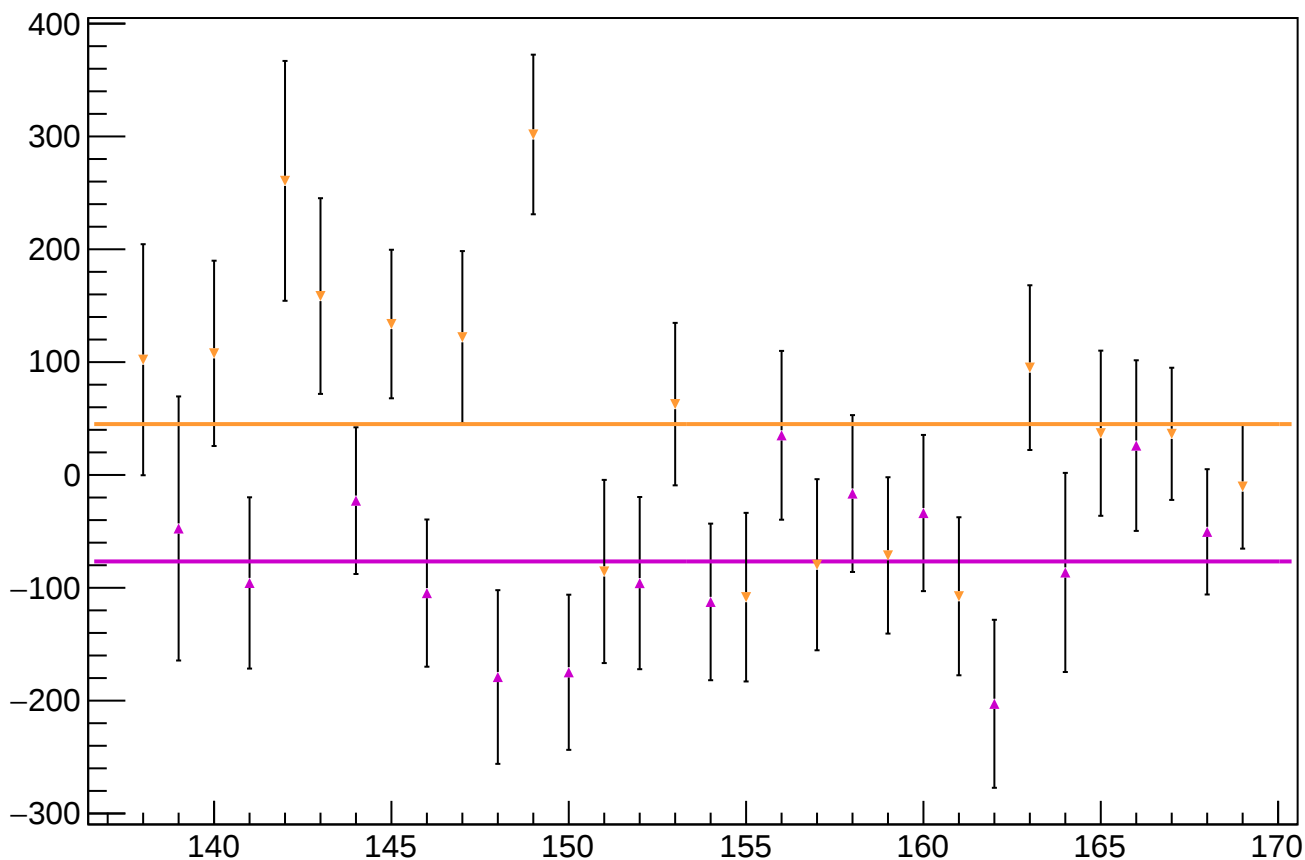
Left In: 275.316+/-0.058 χ^2/NDF :873425.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 275.835+/-0.040 χ^2/NDF : 1937873.9/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 45.079+/-17.749 χ^2/NDF : 41.4/16

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

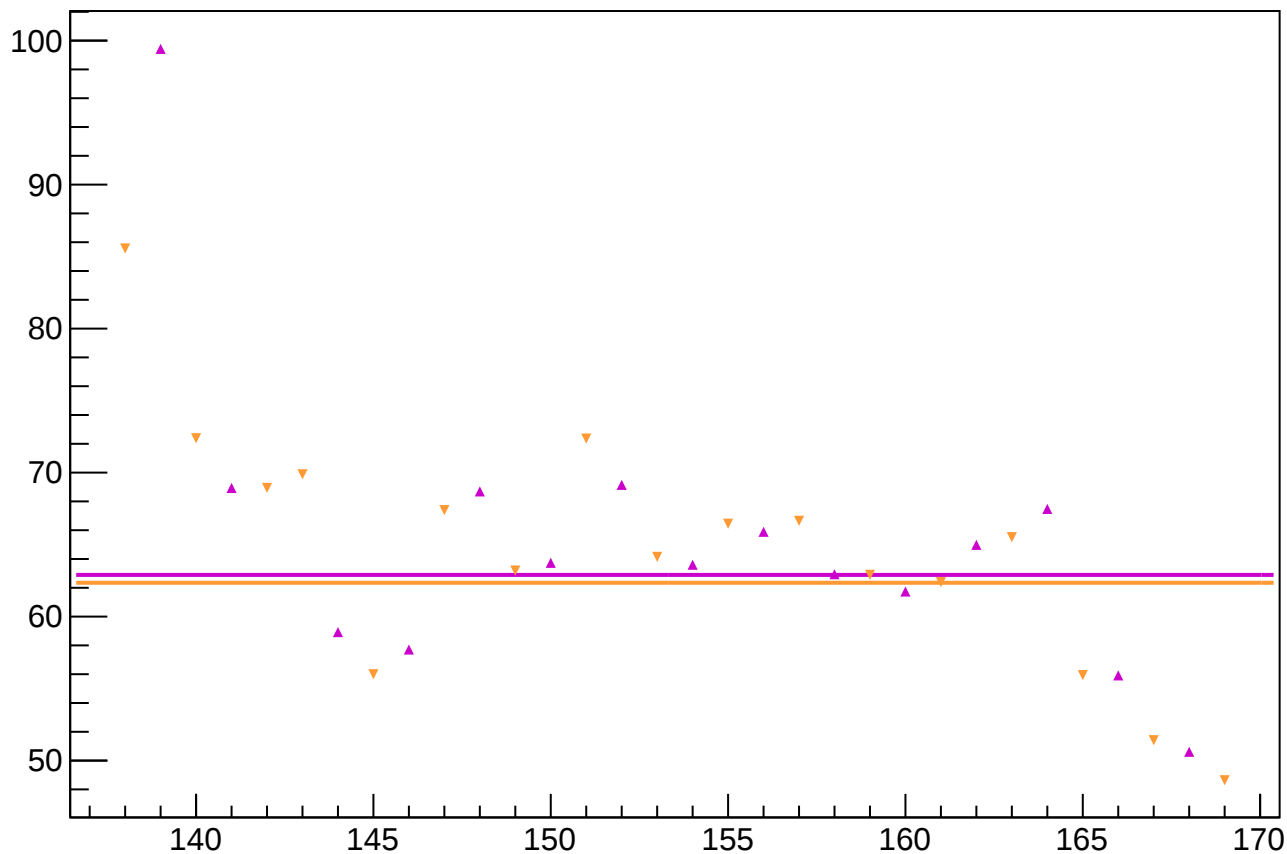
Left In: -76.637+/-18.632 χ^2/NDF : 13.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.829+/-12.851 χ^2/NDF : 77.2/31

- sign 0.000+/-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: 62.350+/-0.013 χ^2/NDF : 440658.9/16

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

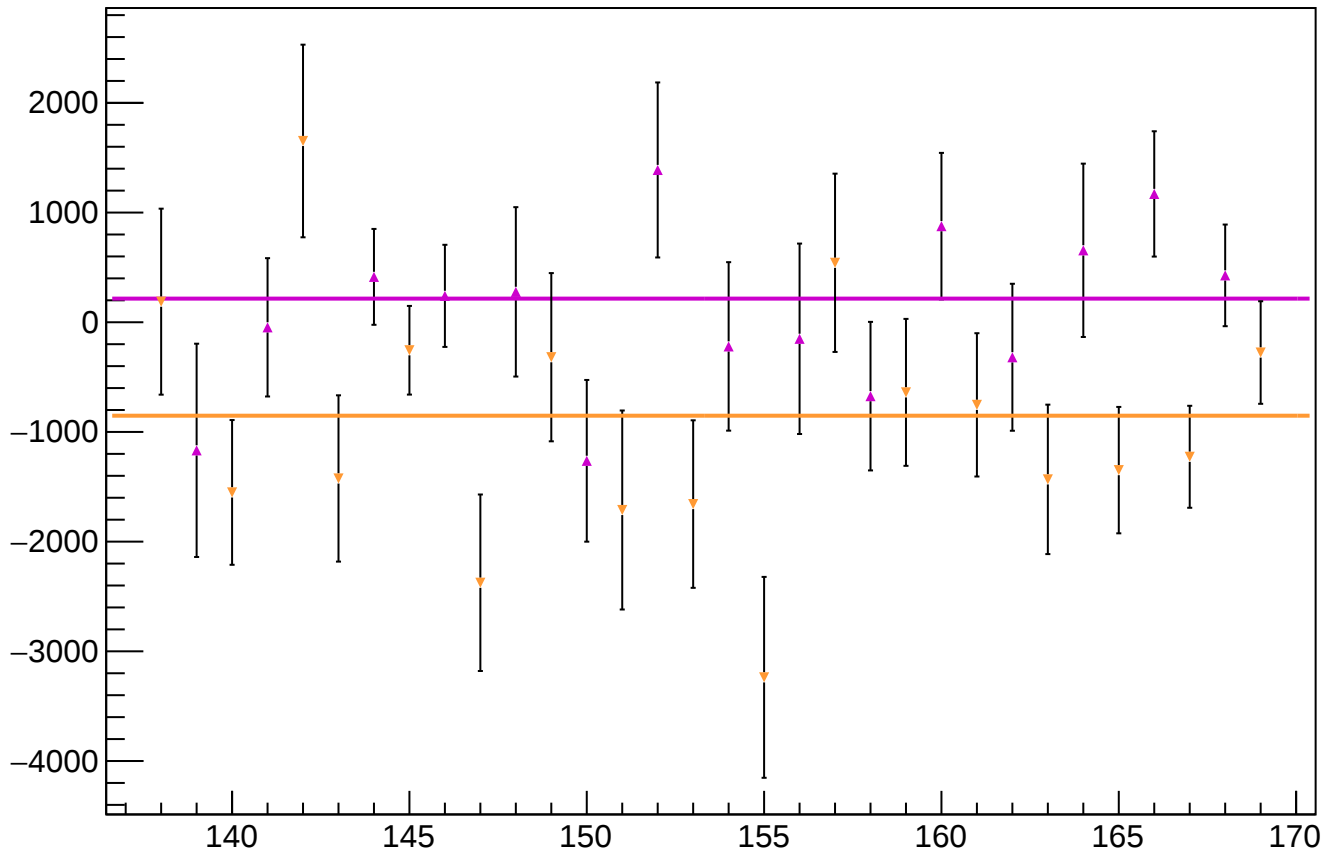
Left In: 62.895+/-0.013 χ^2/NDF : 378624.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.610+/-0.009 χ^2/NDF : 820181.4/31

- 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: -851.919+/-156.807 χ^2/NDF :33.1/16

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

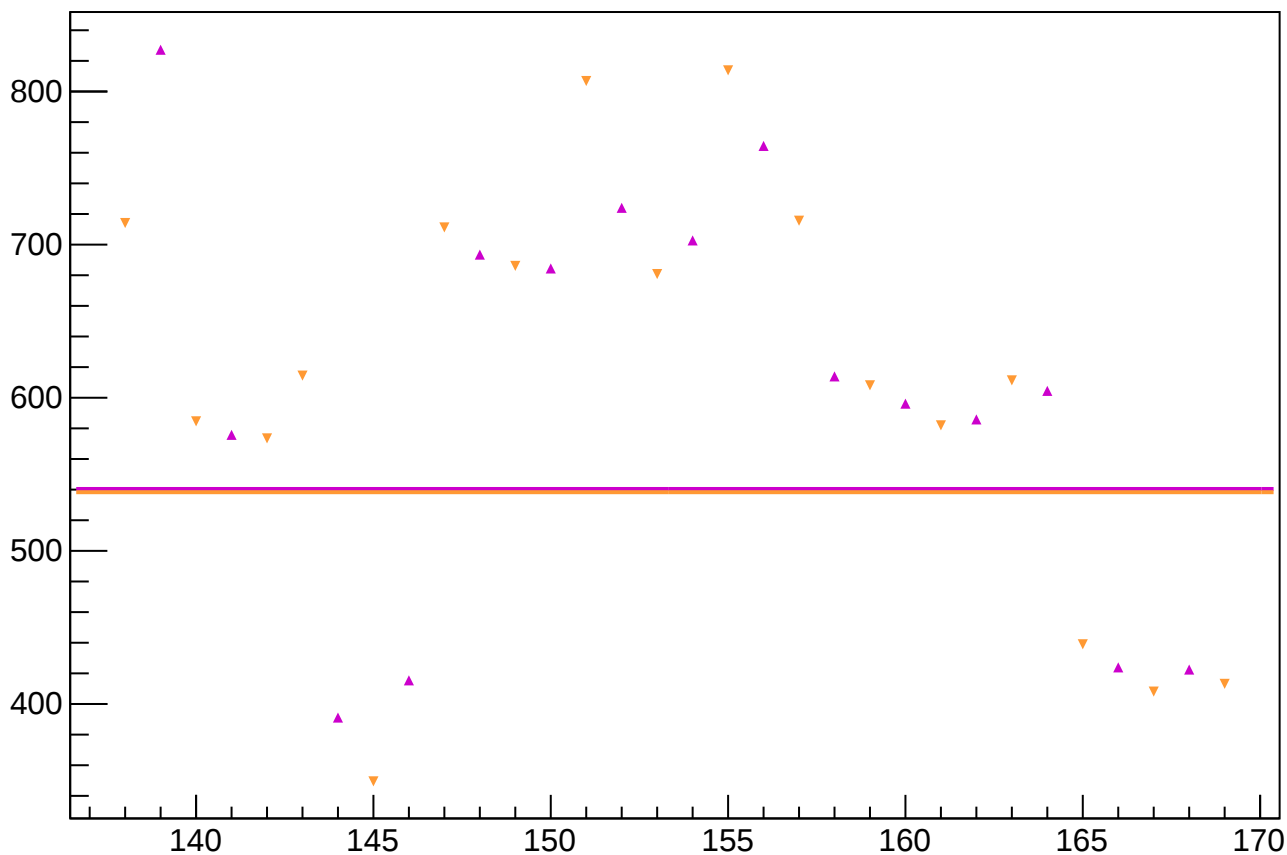
Left In: 215.492+/-163.281 χ^2/NDF :15.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -339.796+/-113.099 χ^2/NDF : 71.1/31

- 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: 538.319+/-0.111 χ^2/NDF :1656896.5/16

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

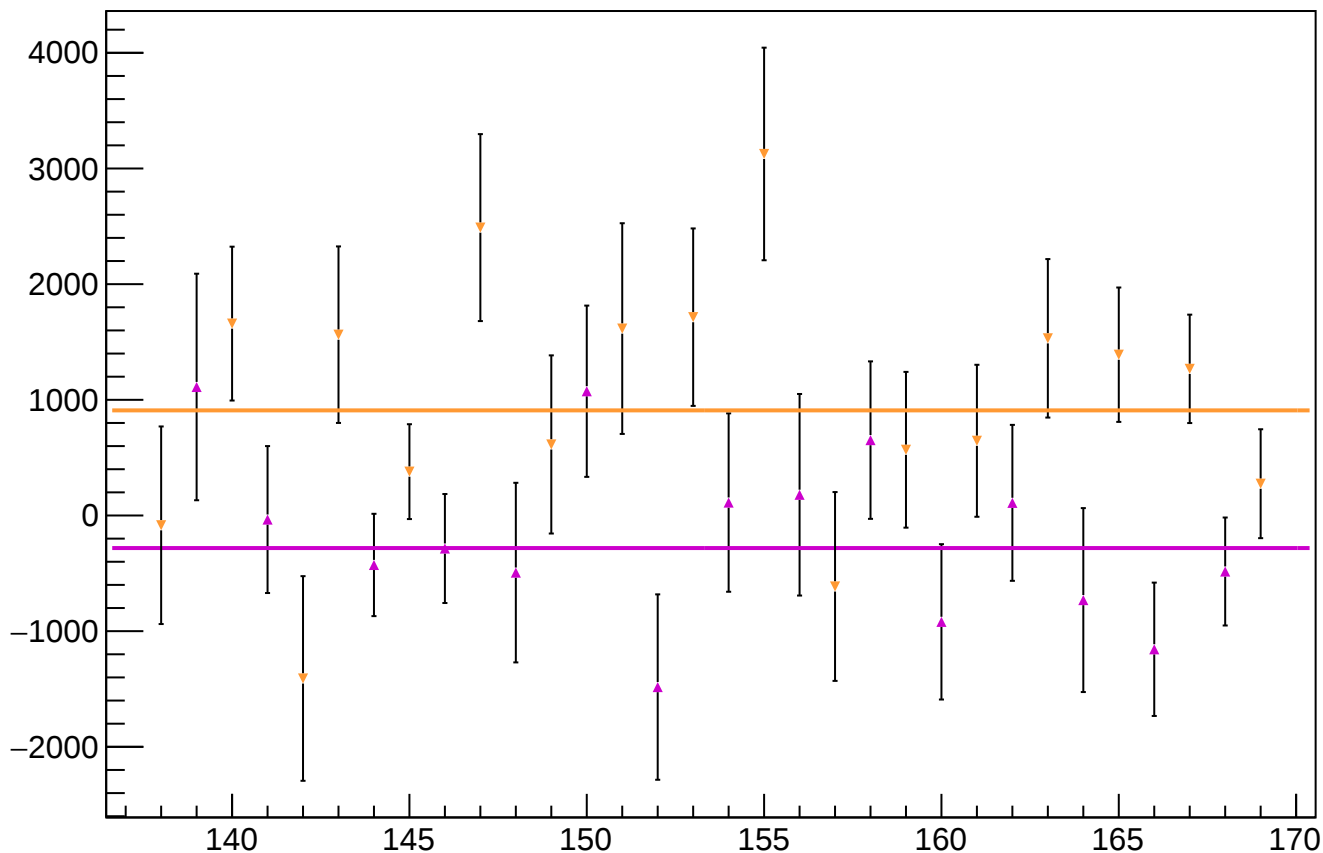
Left In: 540.415+/-0.115 χ^2/NDF :1313930.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 539.325+/-0.080 χ^2/NDF : 2970997.8/31

- 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: 908.743+/-157.988 χ^2/NDF : 31.2/16

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

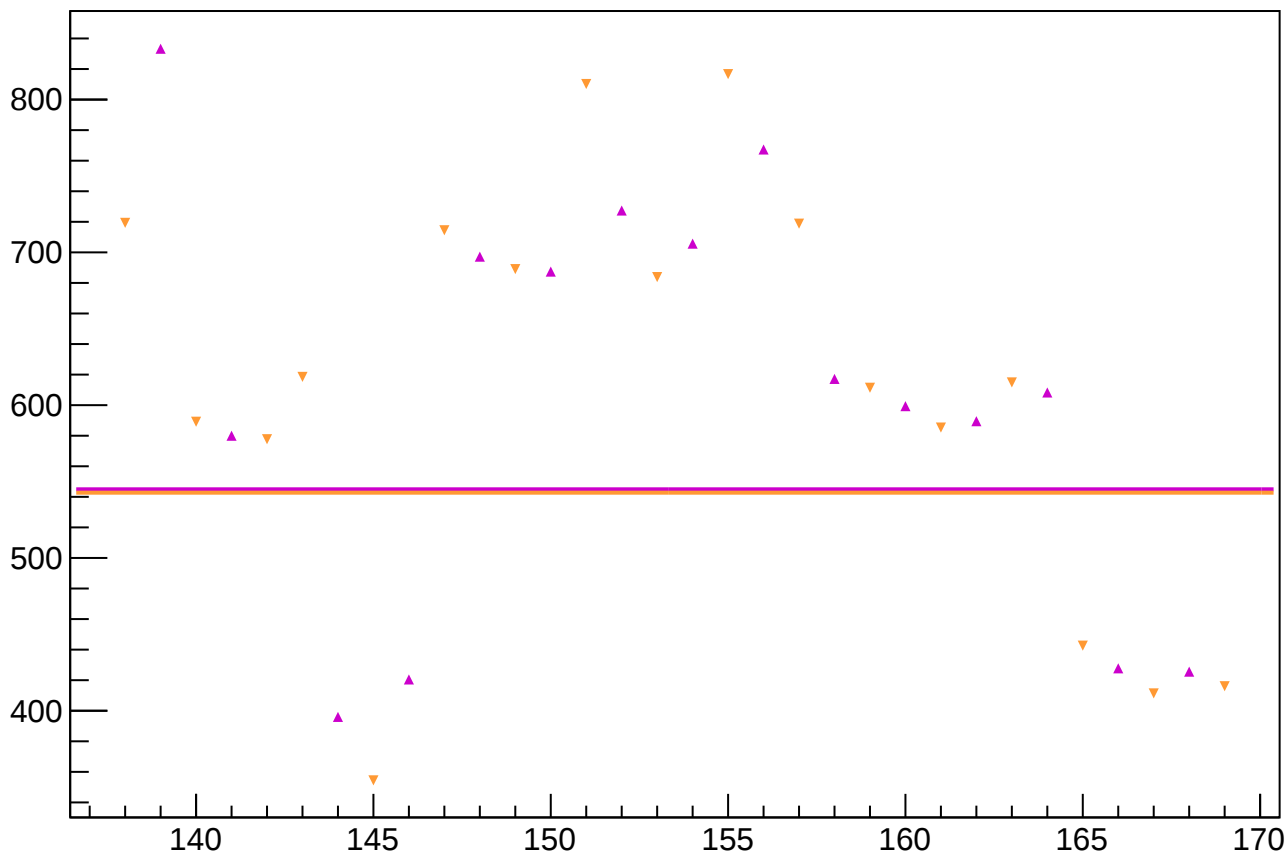
Left In: -281.548+/-164.543 χ^2/NDF : 14.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 337.781+/-113.961 χ^2/NDF : 72.9/31

- 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: 542.721+/-0.112 χ^2/NDF :1626068.1/16

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

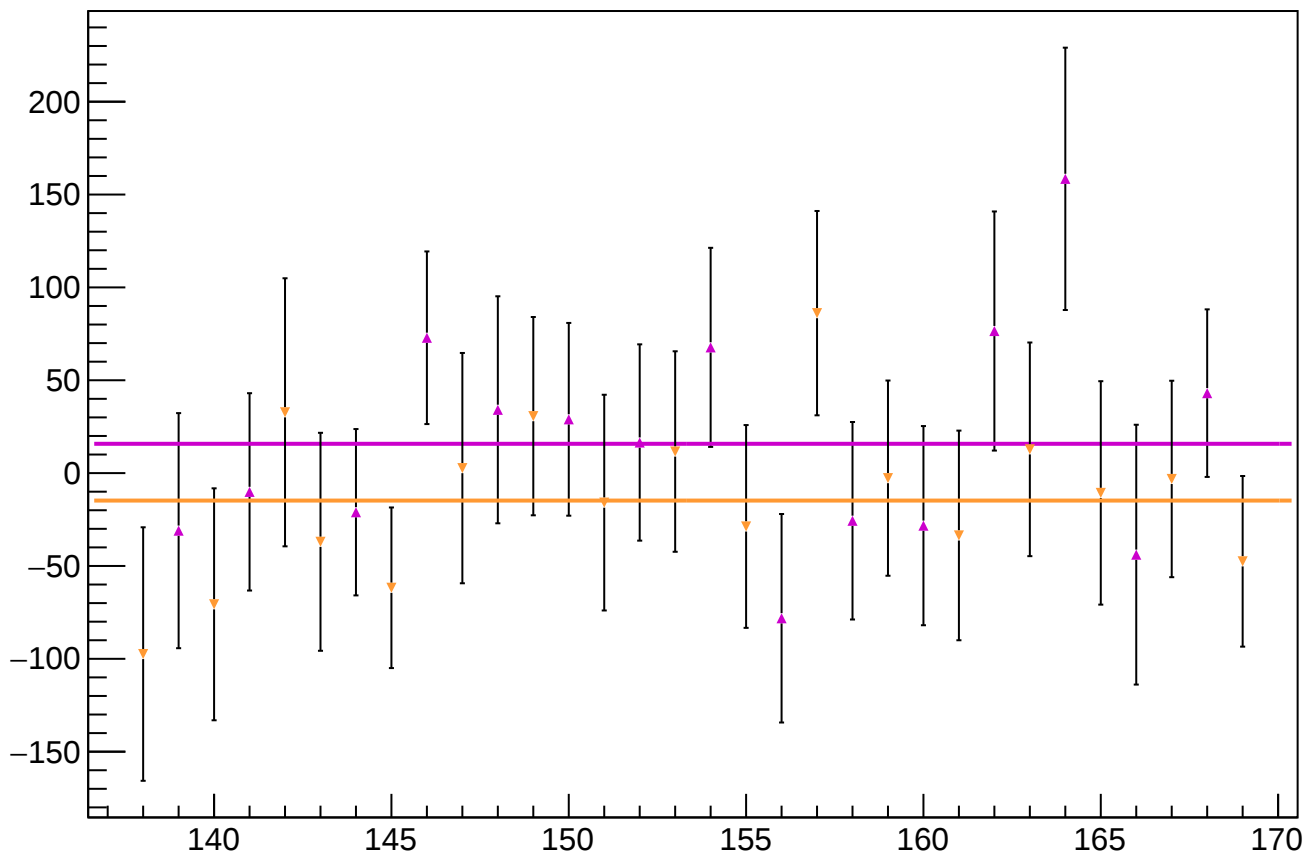
Left In: 544.927+/-0.116 χ^2/NDF :1288265.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 543.779+/-0.081 χ^2/NDF : 2914520.5/31

- 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: -14.783+/-13.496 χ^2/NDF : 9.4/16

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

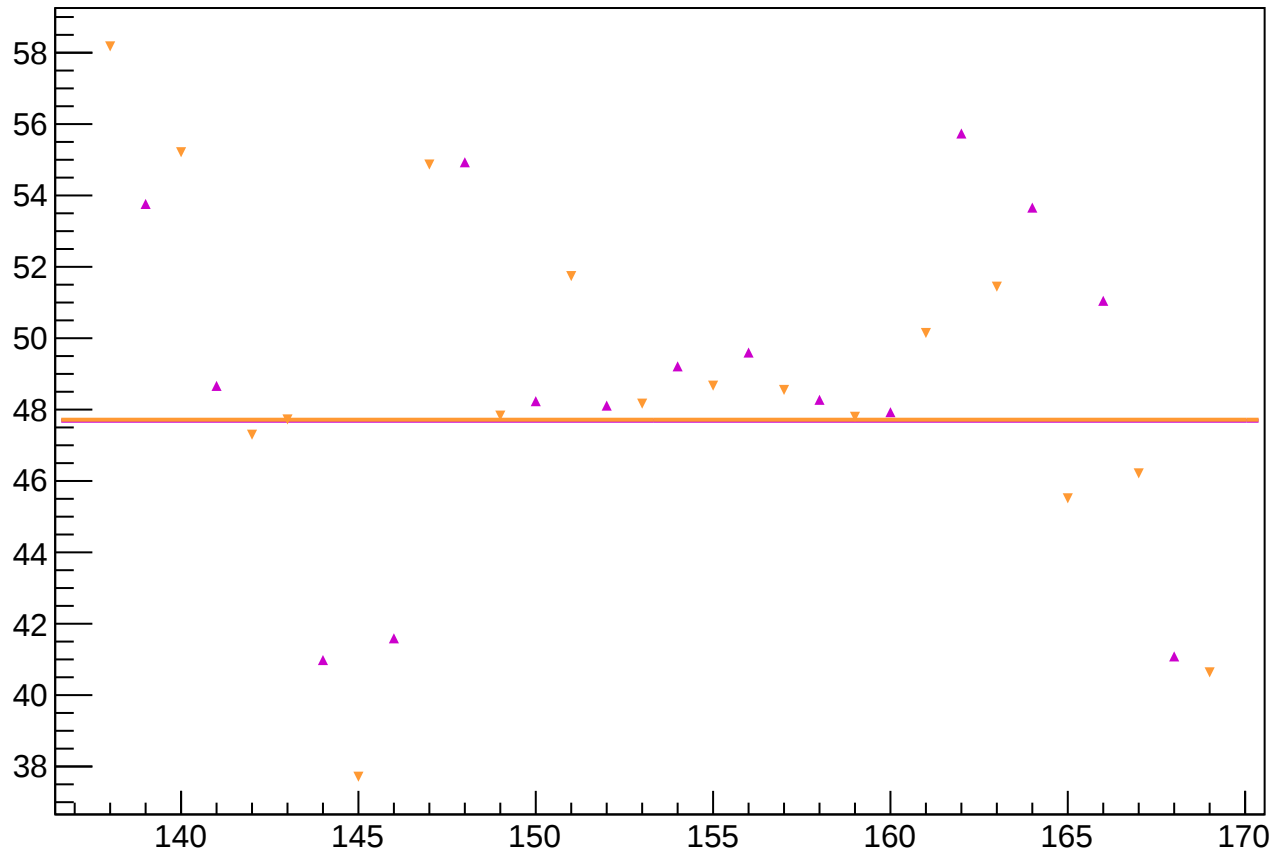
Left In: 15.785+/-14.049 χ^2/NDF : 14.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.113+/-9.733 χ^2/NDF : 26.1/31

- 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: 47.716+/-0.010 χ^2/NDF :284170.6/16

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

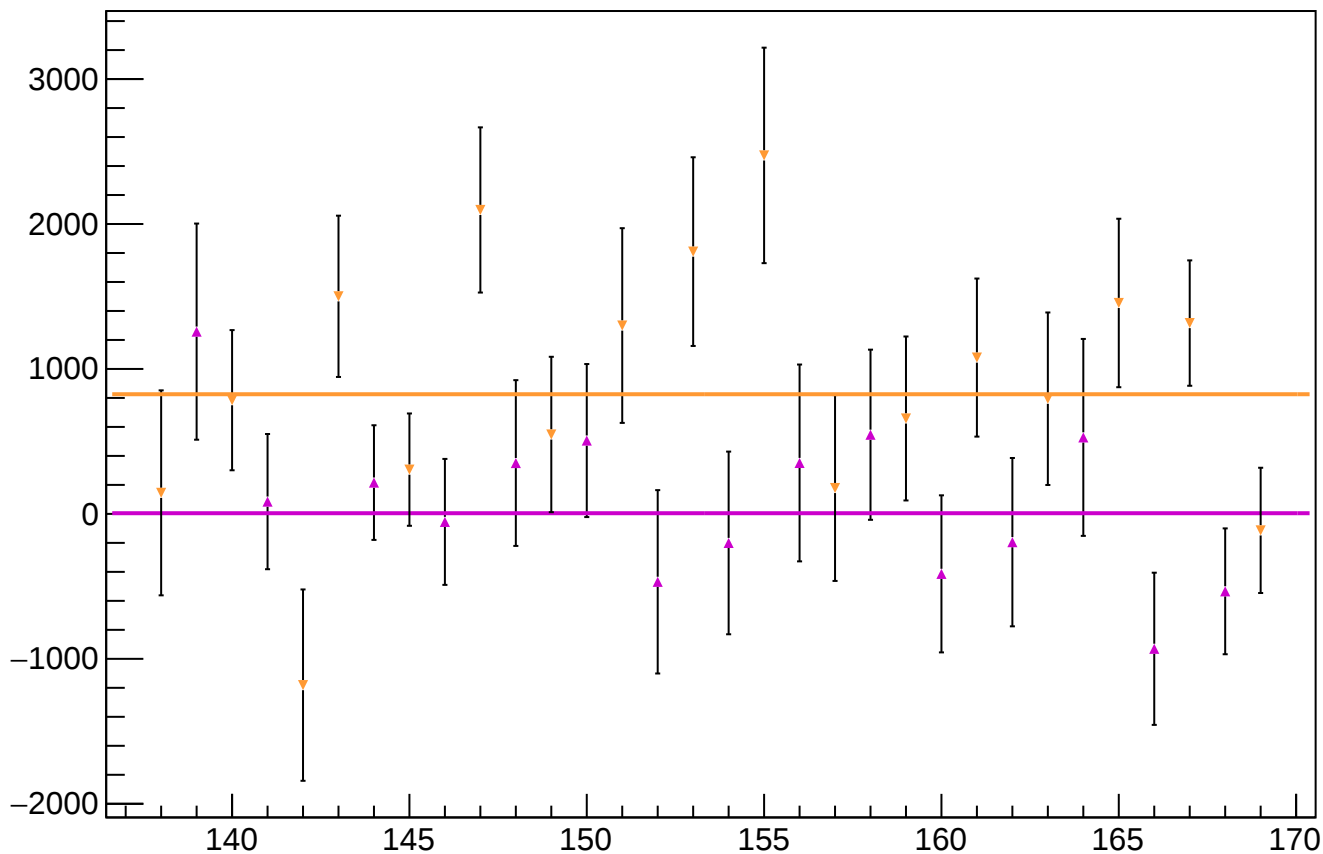
Left In: 47.688+/-0.010 χ^2/NDF :223987.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.703+/-0.007 χ^2/NDF : 508162.1/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 825.566+/-132.667 χ^2/NDF :34.9/16

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

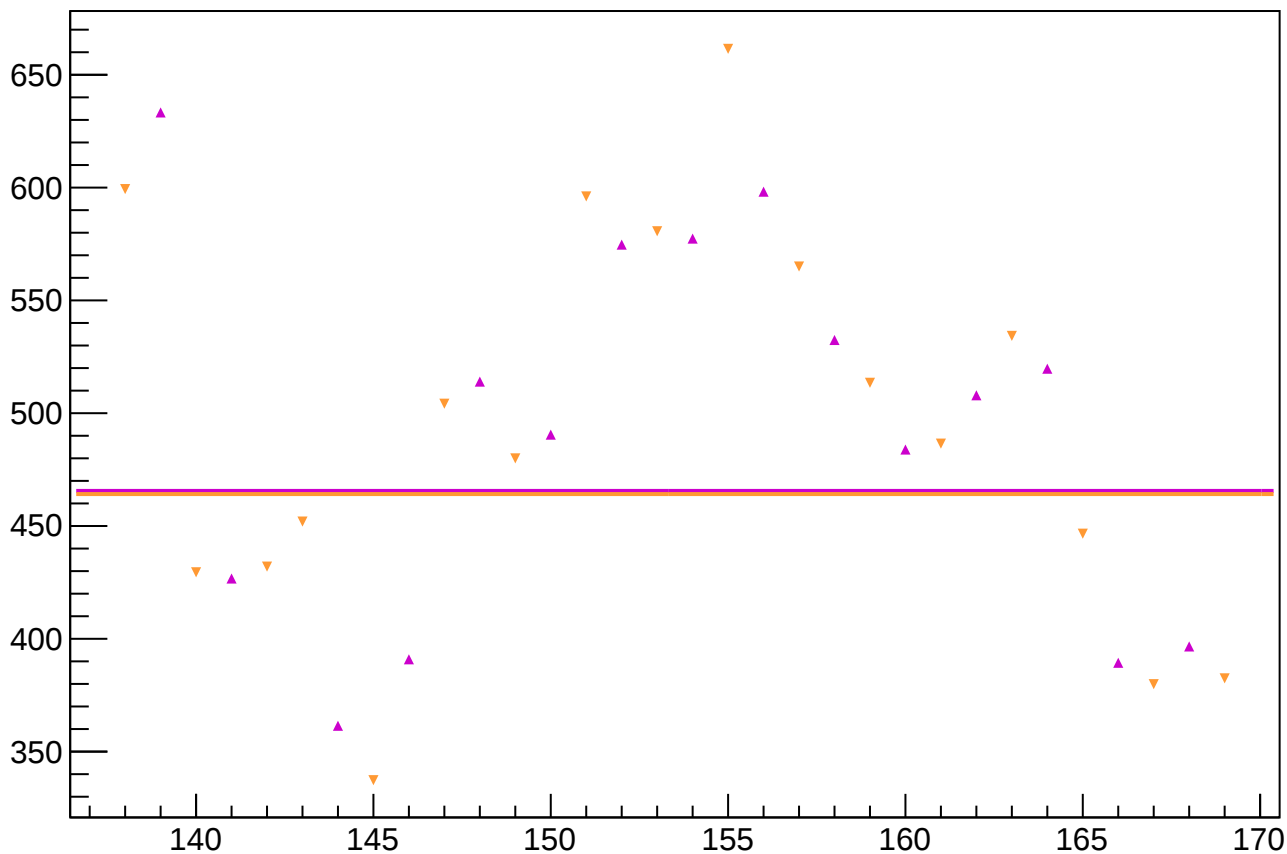
Left In: 4.676+/-138.286 χ^2/NDF :12.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 432.138+/-95.735 χ^2/NDF : 65.5/31

- sign 0.000+/-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: 464.153+/-0.094 χ^2/NDF : 842212.0/16

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

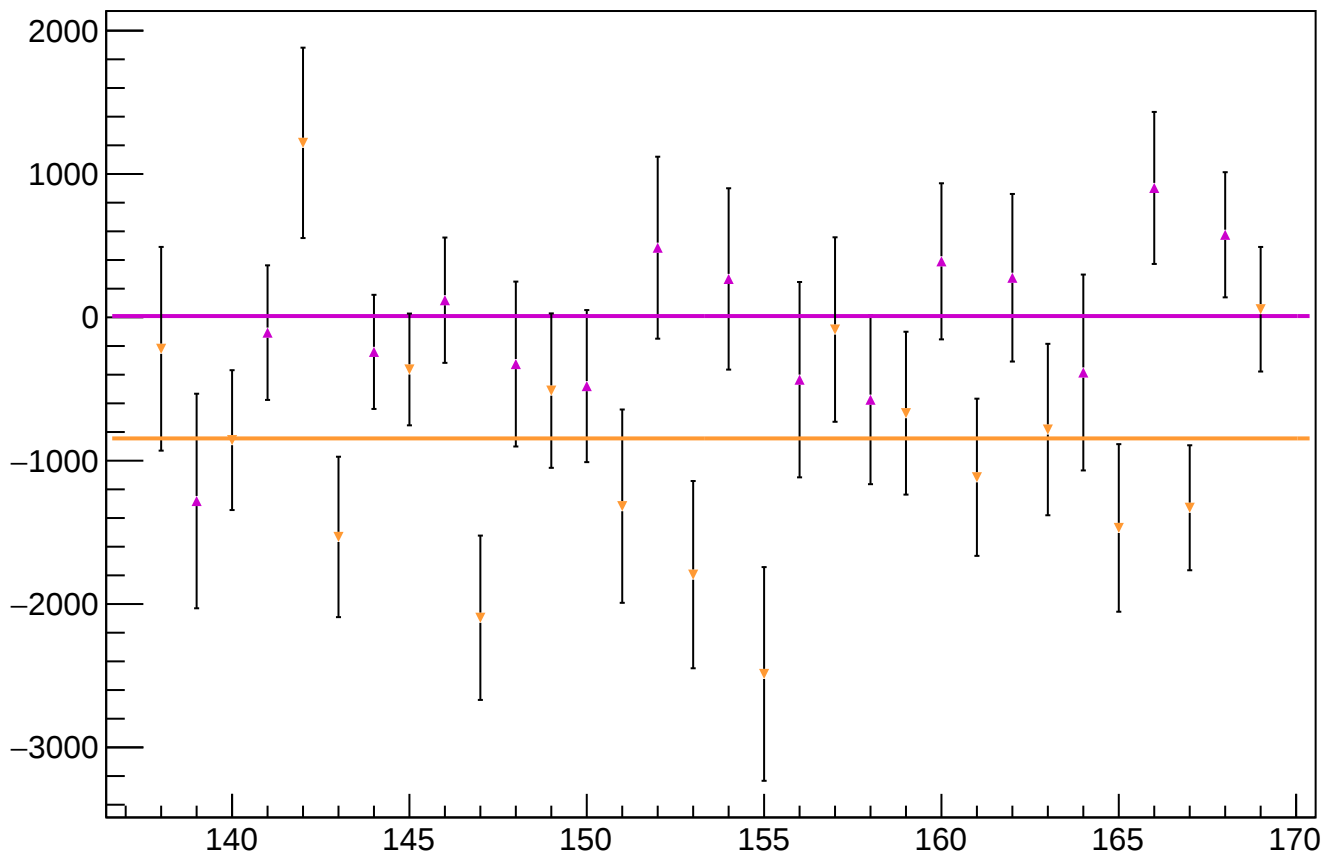
Left In: 465.551+/-0.098 χ^2/NDF : 674588.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 464.823+/-0.068 χ^2/NDF : 1516906.7/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -844.595+/-133.424 χ^2/NDF : 34.5/16

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

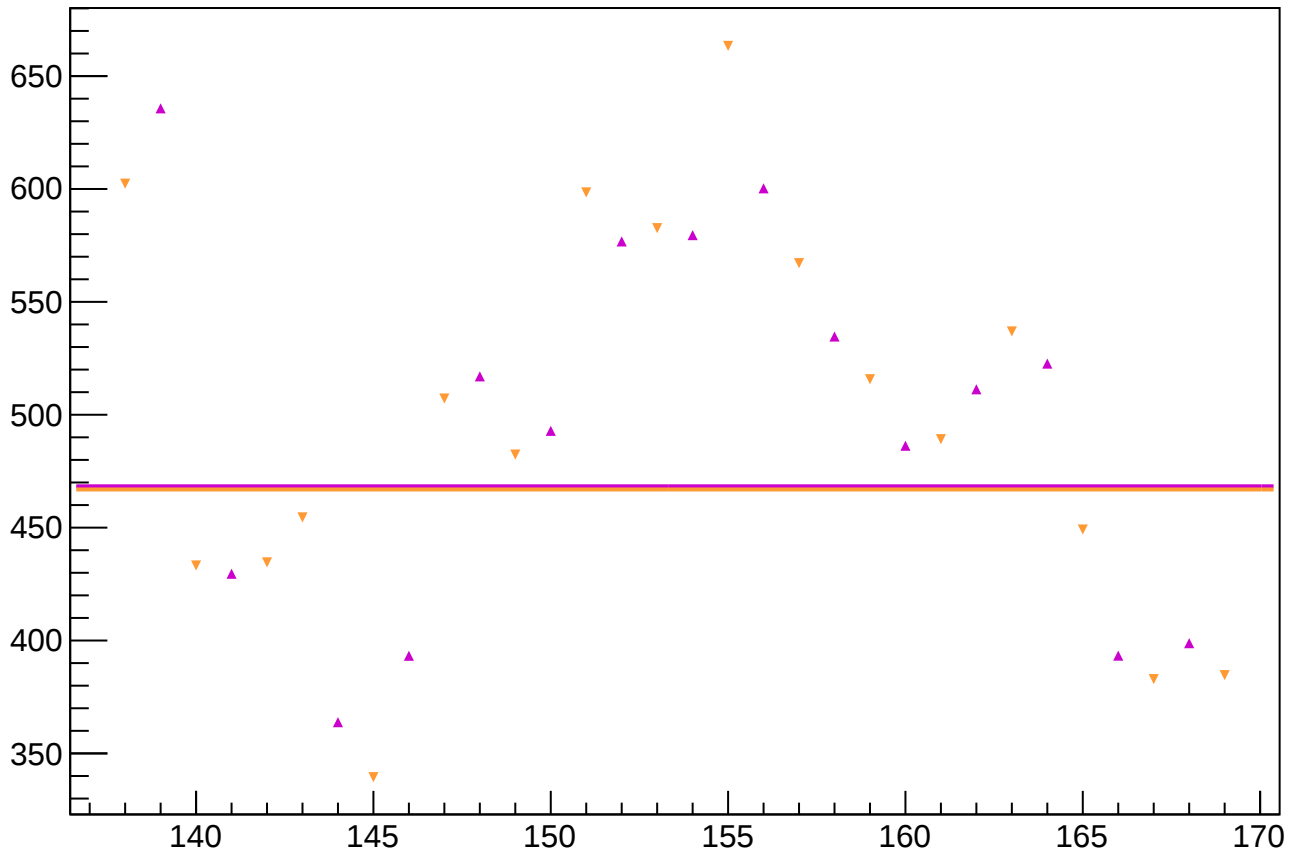
Left In: 8.990+/-139.075 χ^2/NDF : 12.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -435.497+/-96.281 χ^2/NDF : 66.5/31

- sign 0.000+/-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: 466.904+/-0.094 χ^2/NDF : 832651.6/16

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

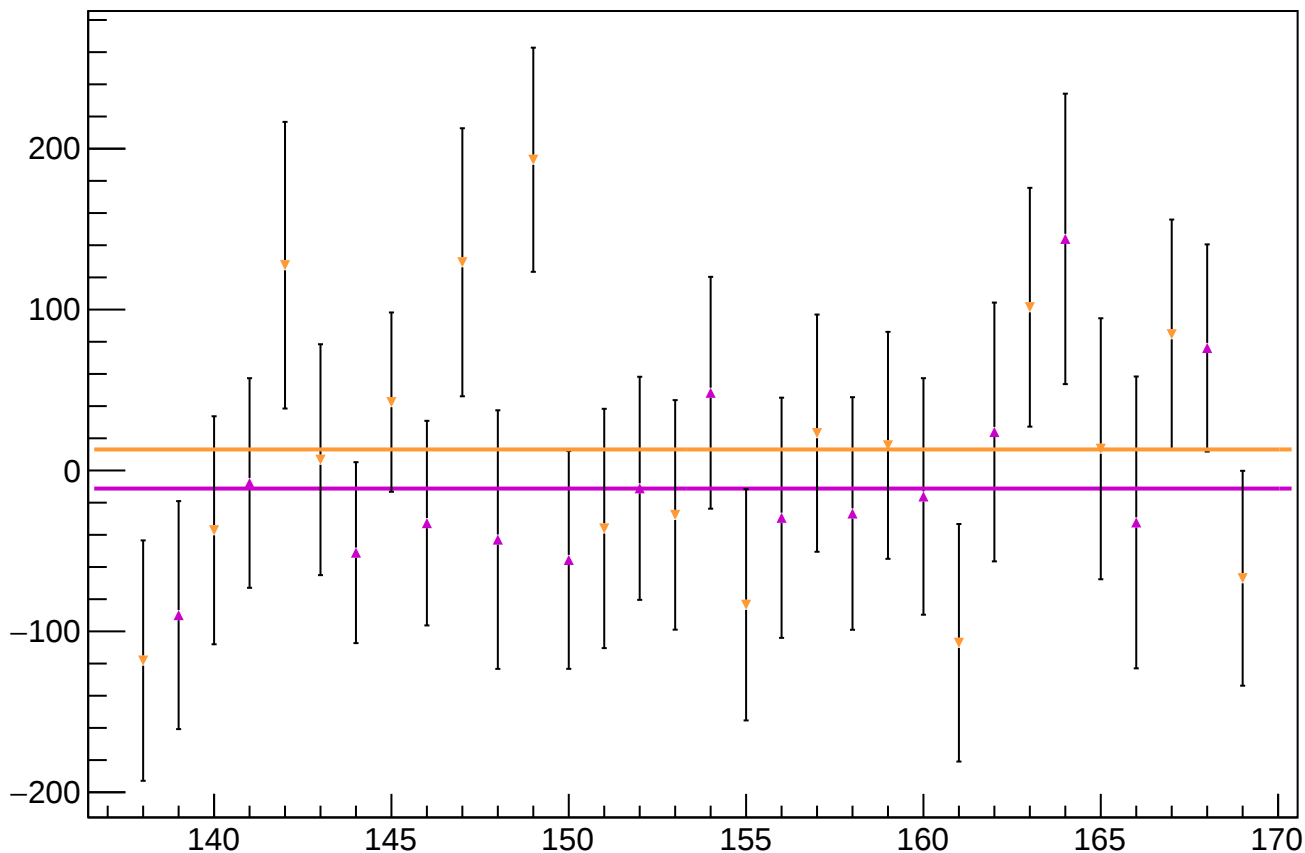
Left In: 468.303+/-0.098 χ^2/NDF : 666003.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 467.575+/-0.068 χ^2/NDF : 1498760.5/31

- 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: 13.079 $\pm$ 17.501 χ^2 /NDF:23.3/16

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

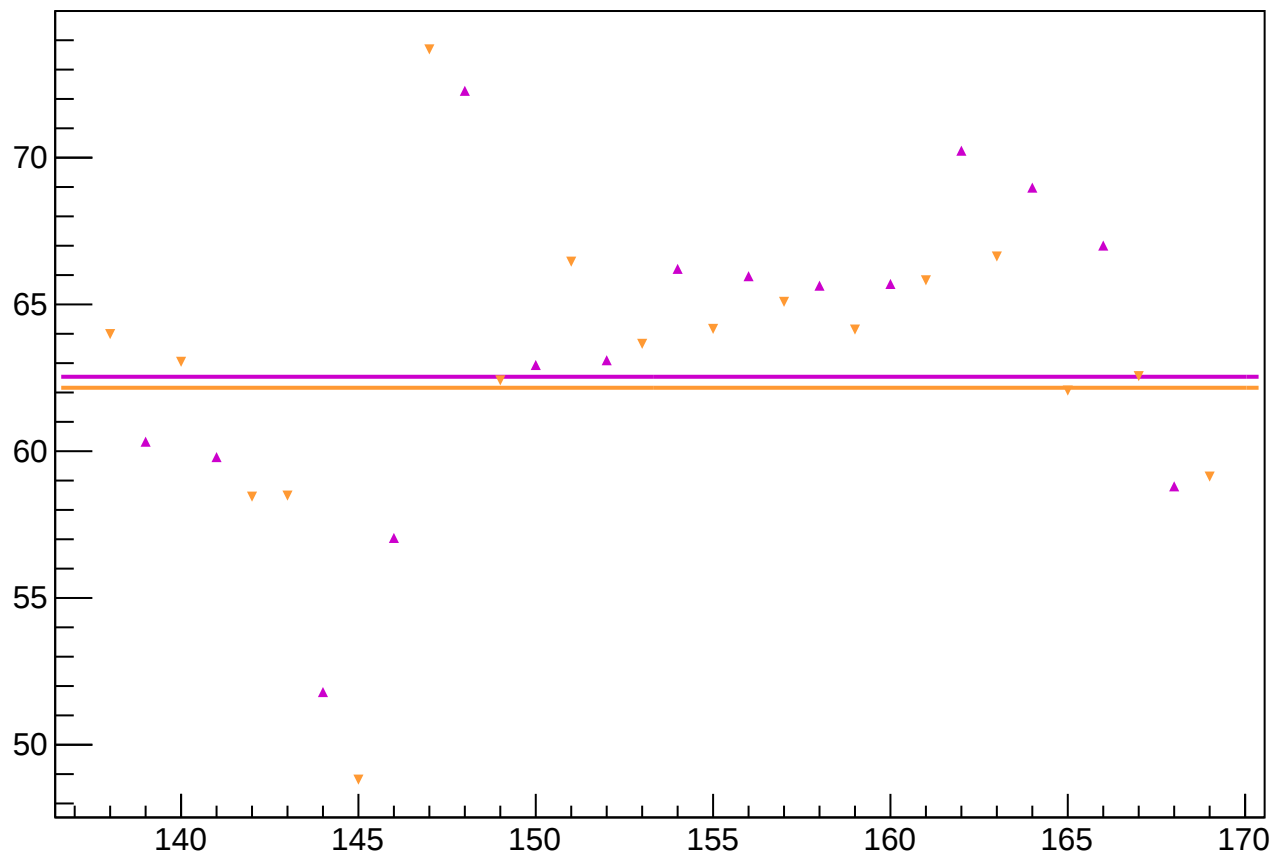
Left In: -11.232 $\pm$ 18.355 χ^2 /NDF:8.3/14

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

All: 1.501 $\pm$ 12.666 χ^2 /NDF: 32.4/31

- 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: 62.162+/-0.012 χ^2/NDF :193513.4/16

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

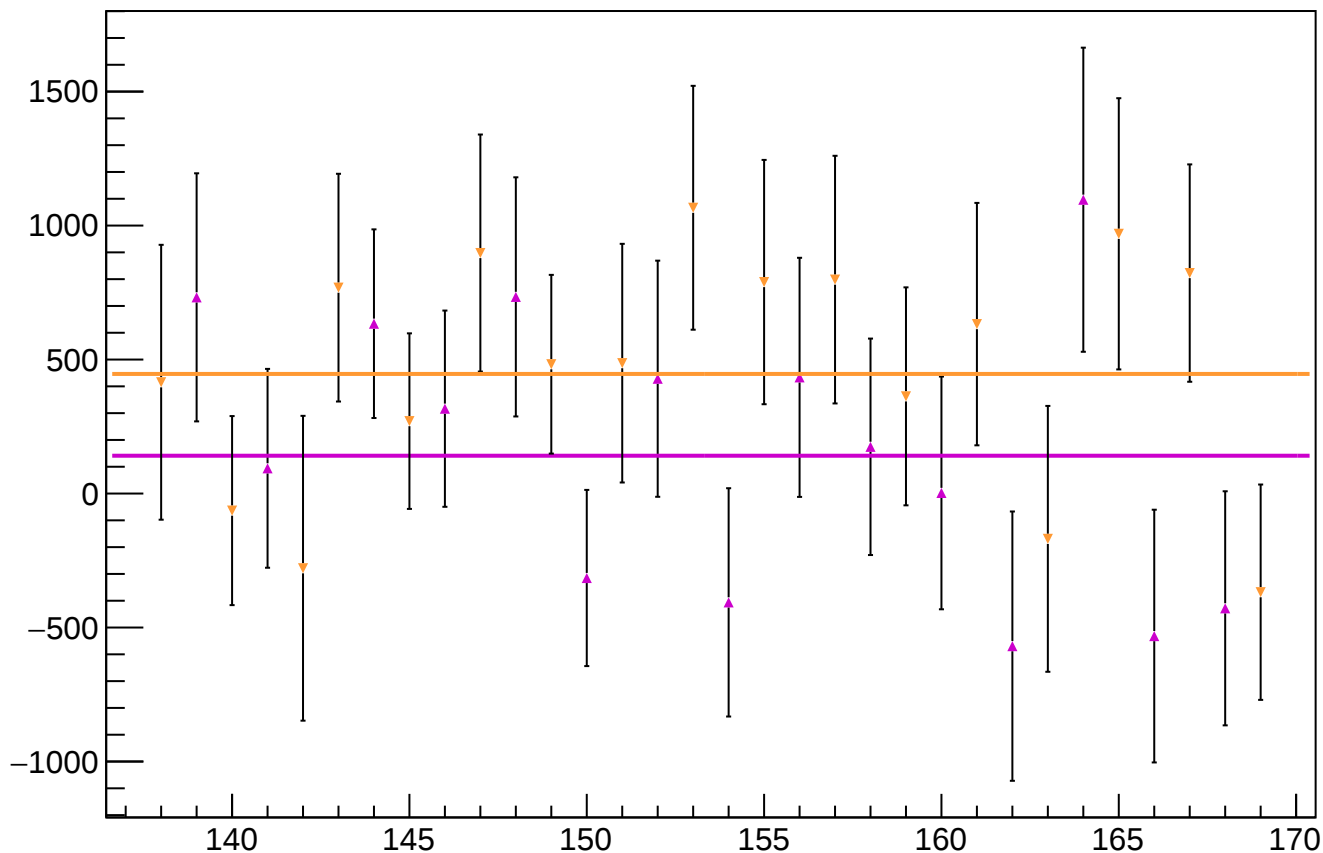
Left In: 62.536+/-0.013 χ^2/NDF :179874.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.340+/-0.009 χ^2/NDF : 373823.5/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 446.322+/-102.903 χ^2/NDF : 16.4/16

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

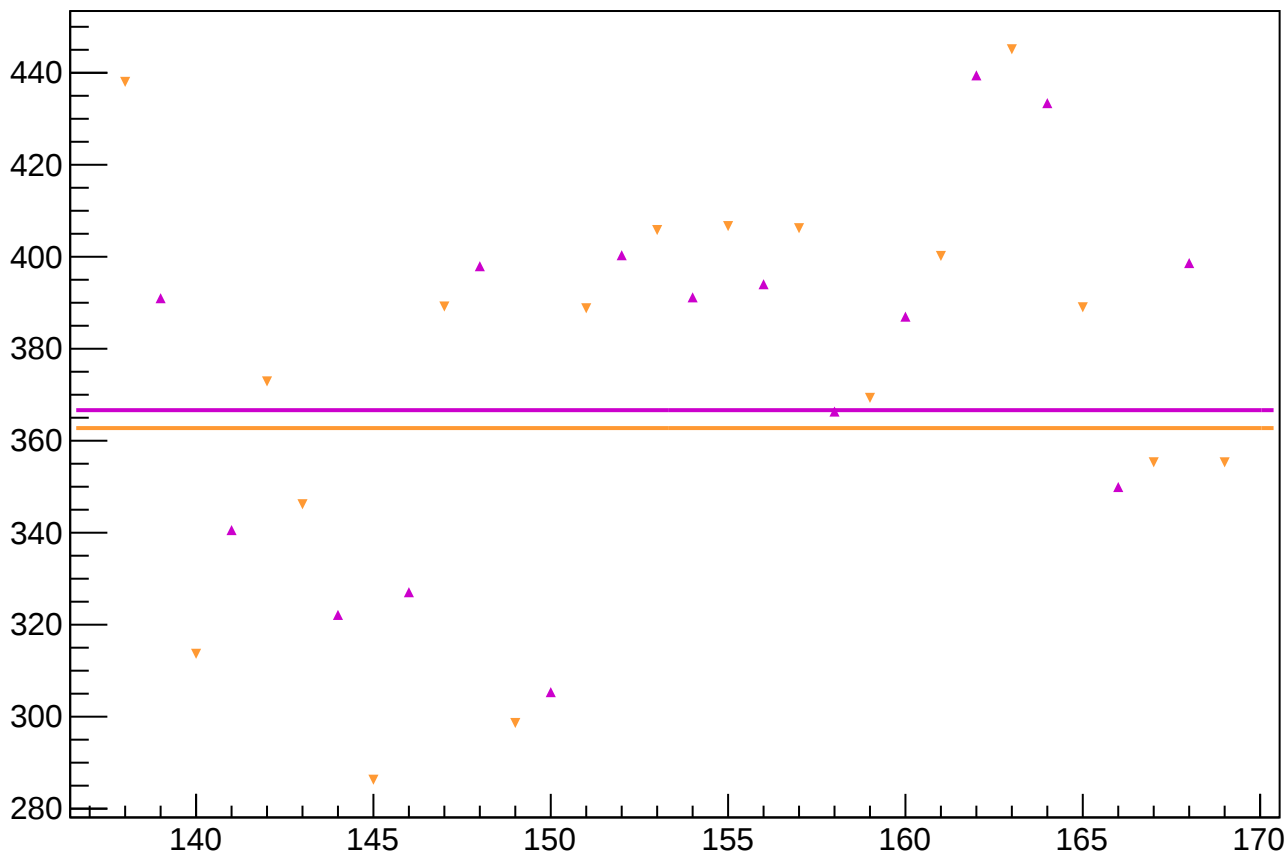
Left In: 141.131+/-108.044 χ^2/NDF : 18.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 301.161+/-74.515 χ^2/NDF : 39.3/31

- sign 0.000+/-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: 362.749+/-0.073 χ^2/NDF : 412624.3/16

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

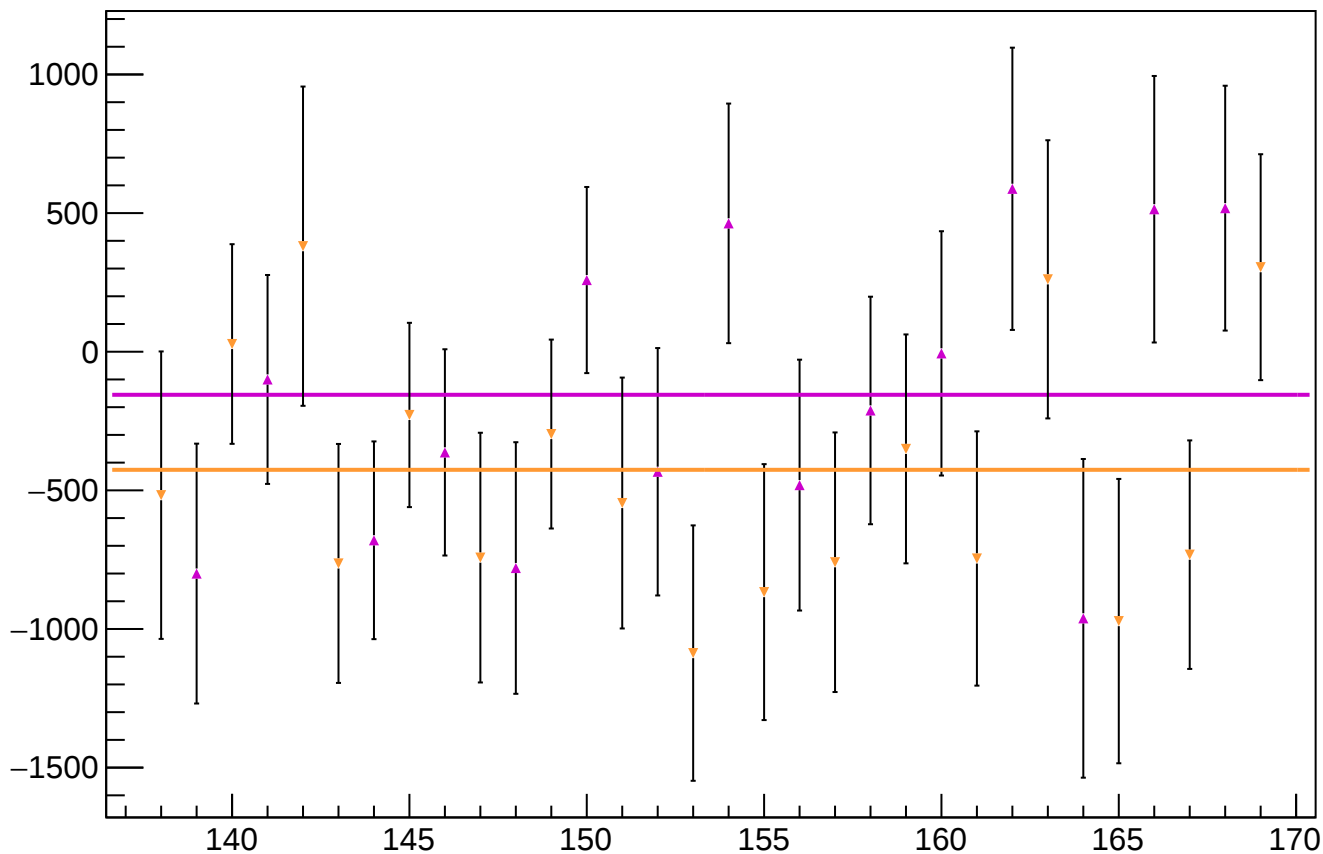
Left In: 366.646+/-0.076 χ^2/NDF : 263335.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 364.603+/-0.053 χ^2/NDF : 677323.6/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -425.899+/-104.483 χ^2/NDF : 16.0/16

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

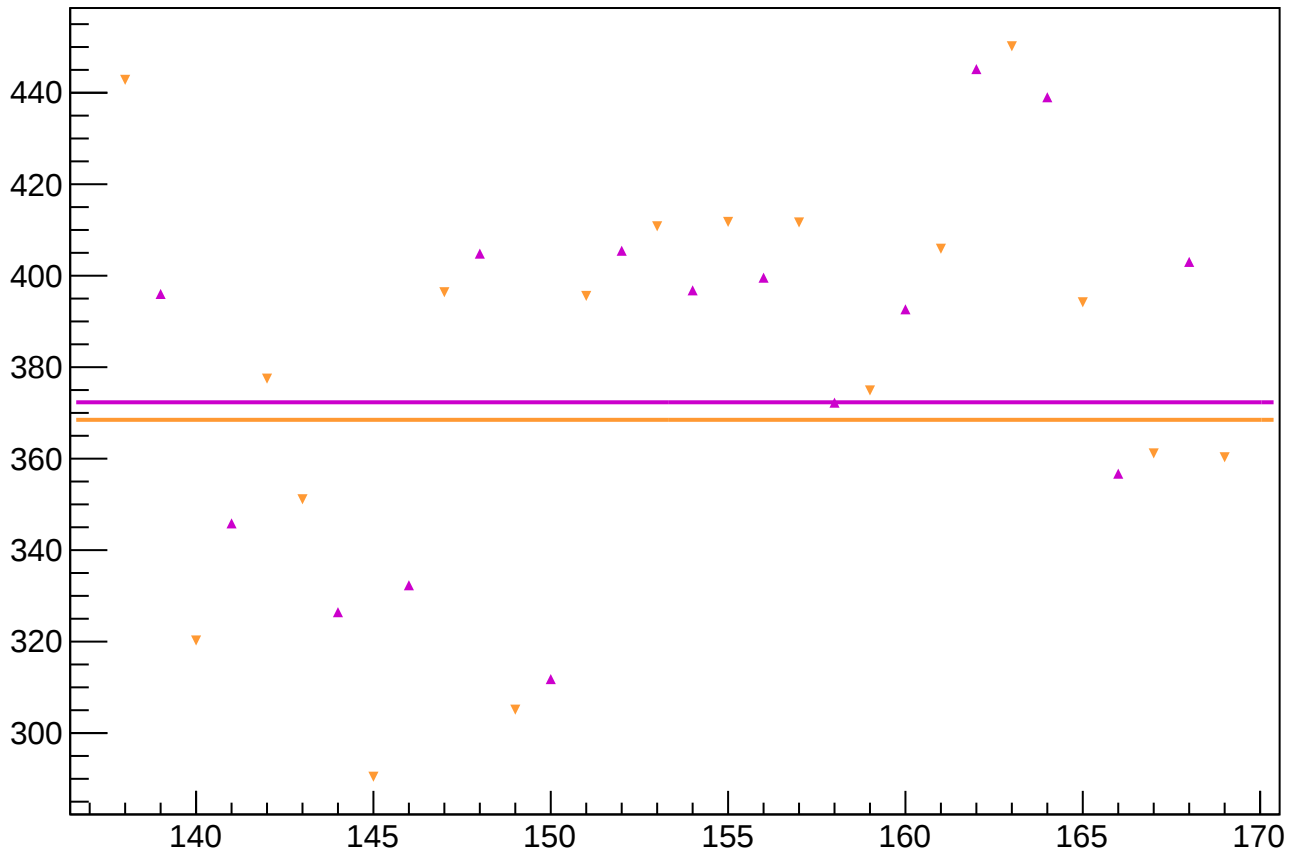
Left In: -155.336+/-109.682 χ^2/NDF : 19.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -297.182+/-75.652 χ^2/NDF : 38.5/31

- sign 0.000+/-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: 368.491+/-0.074 χ^2/NDF : 399778.0/16

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

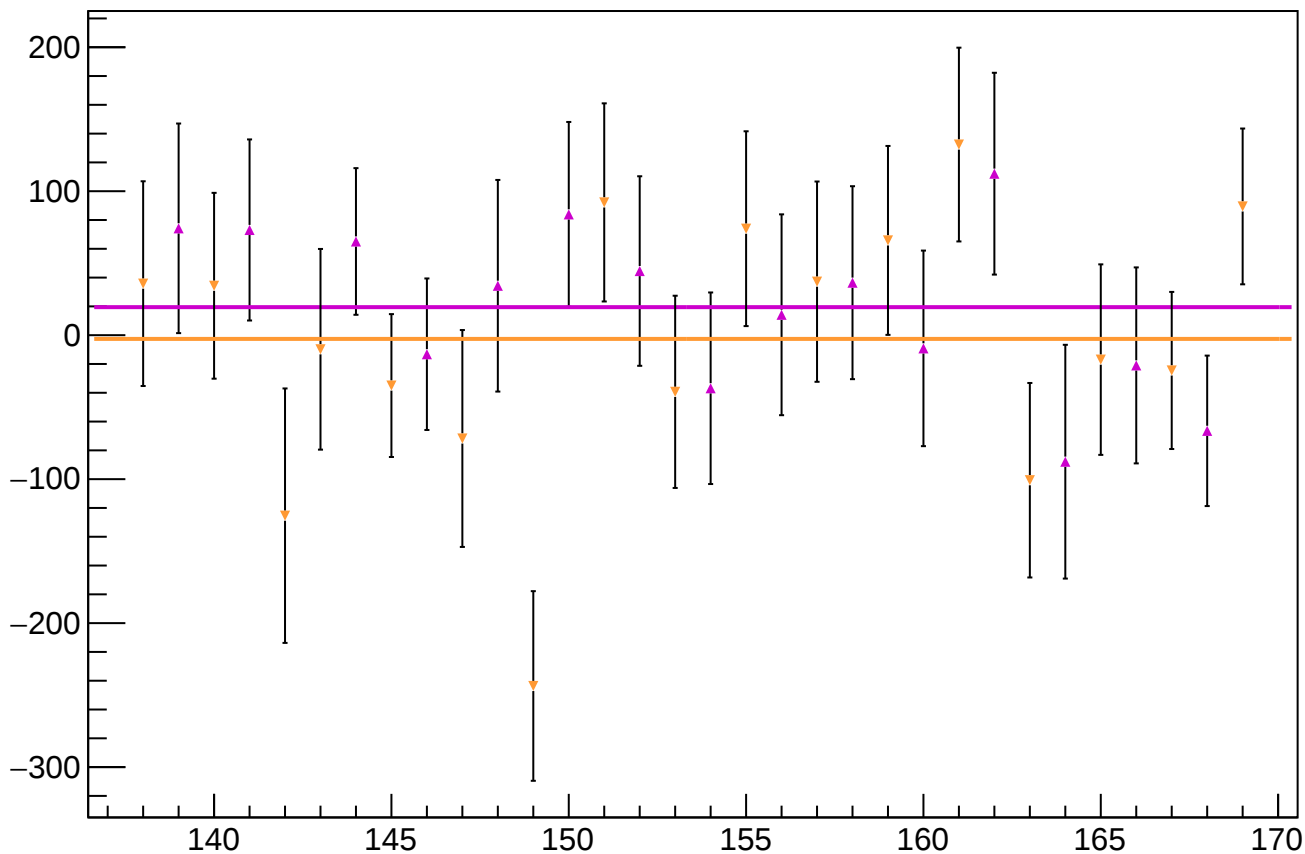
Left In: 372.324+/-0.078 χ^2/NDF : 255171.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 370.314+/-0.053 χ^2/NDF : 656230.2/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: -2.584+/-15.764 χ^2/NDF : 31.4/16

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

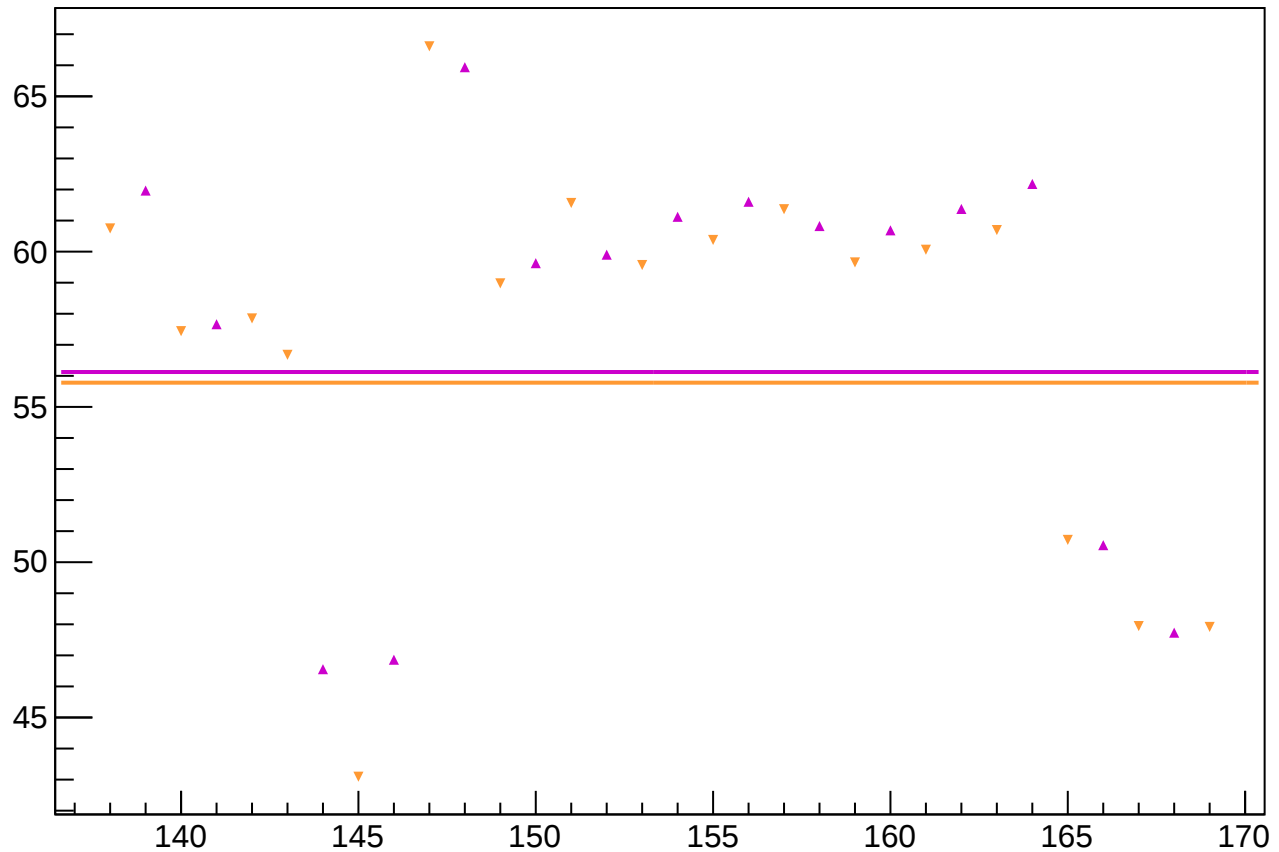
Left In: 19.469+/-16.540 χ^2/NDF : 11.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7.913+/-11.411 χ^2/NDF : 43.5/31

- sign 0.000+/-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: 55.781+/-0.011 χ^2/NDF :352911.5/16

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

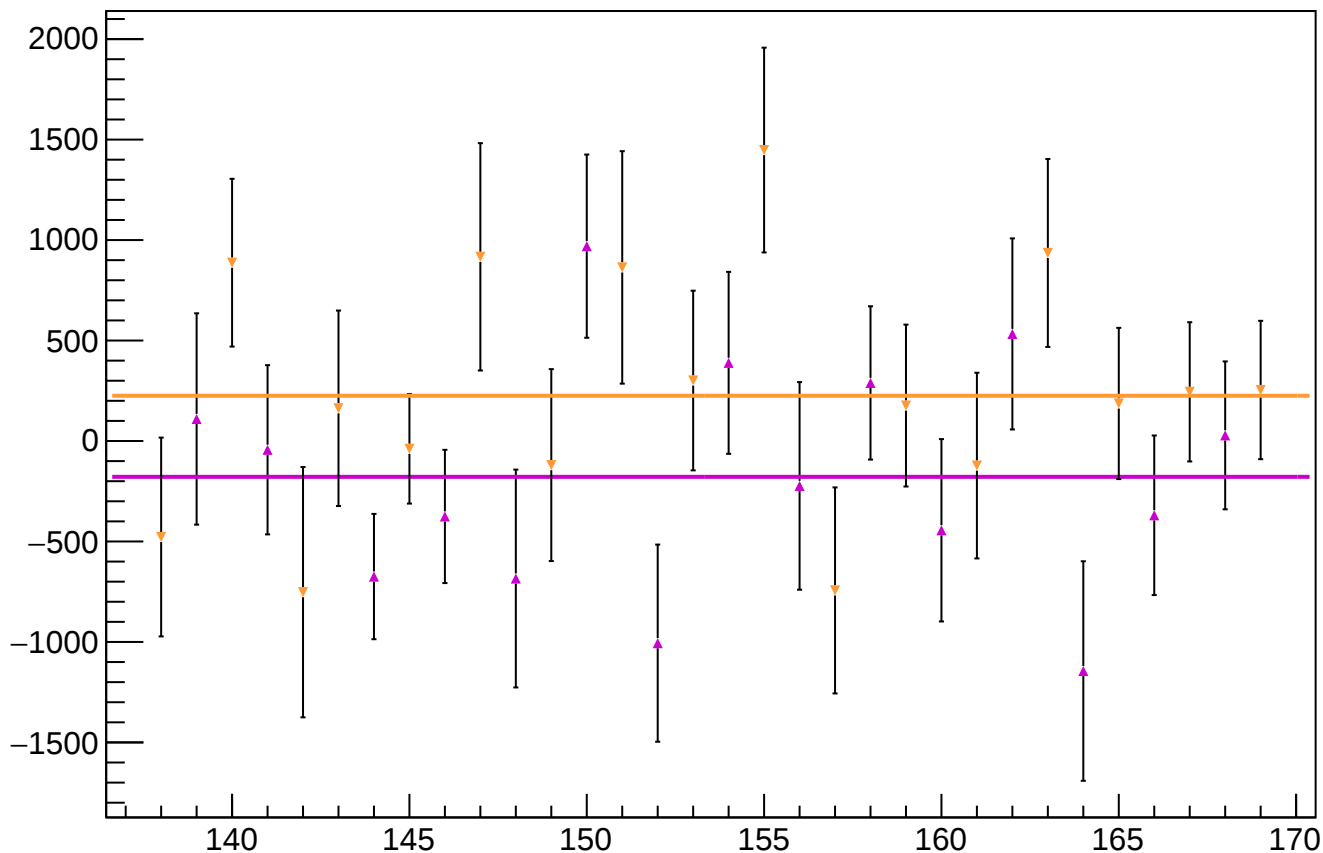
Left In: 56.124+/-0.012 χ^2/NDF :324752.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 55.944+/-0.008 χ^2/NDF : 678115.2/31

- 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: 225.212 $\pm$ 103.977 χ^2 /NDF:23.5/16

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

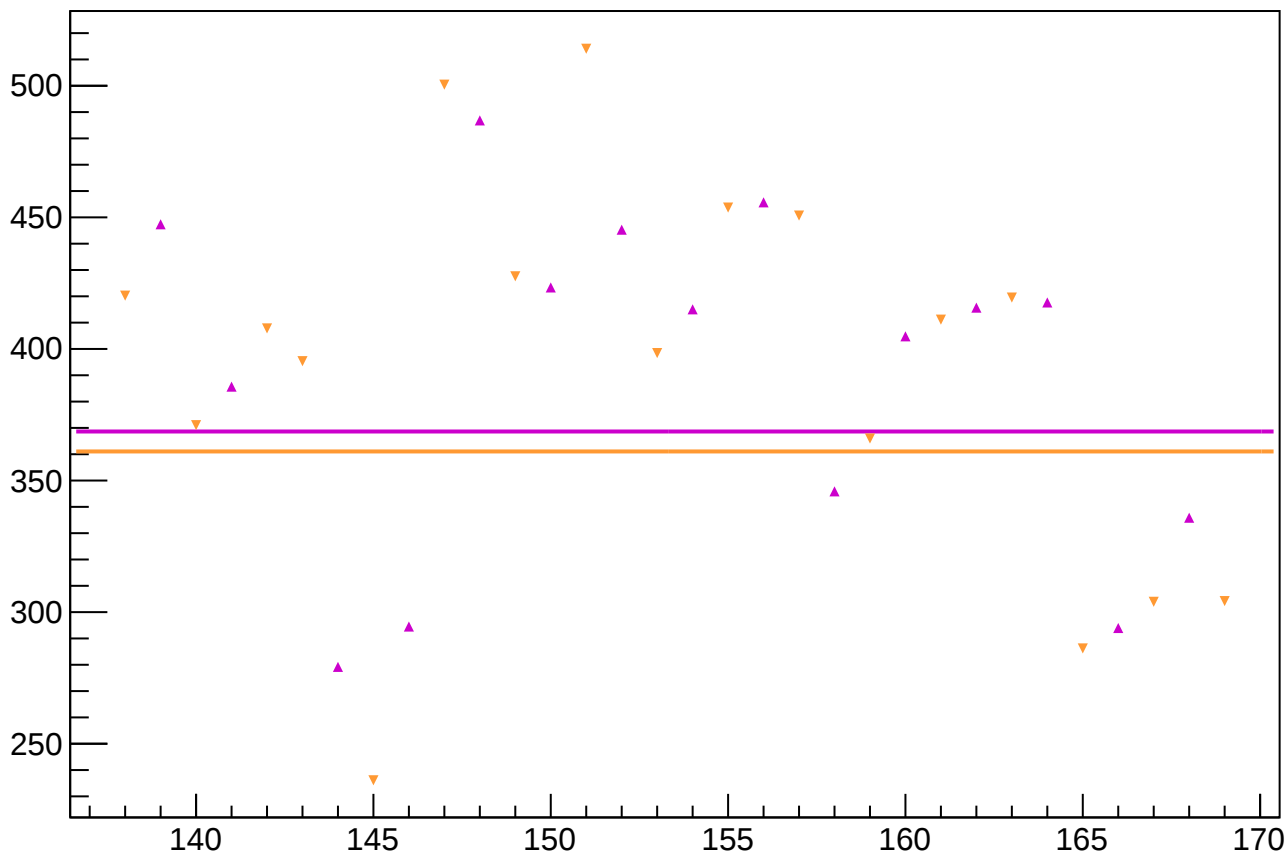
Left In: -178.302 $\pm$ 109.855 χ^2 /NDF:22.7/14

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

All: 34.541 $\pm$ 75.515 χ^2 /NDF: 53.3/31

- 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: 361.054+/-0.074 χ^2/NDF : 1155971.8/16

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

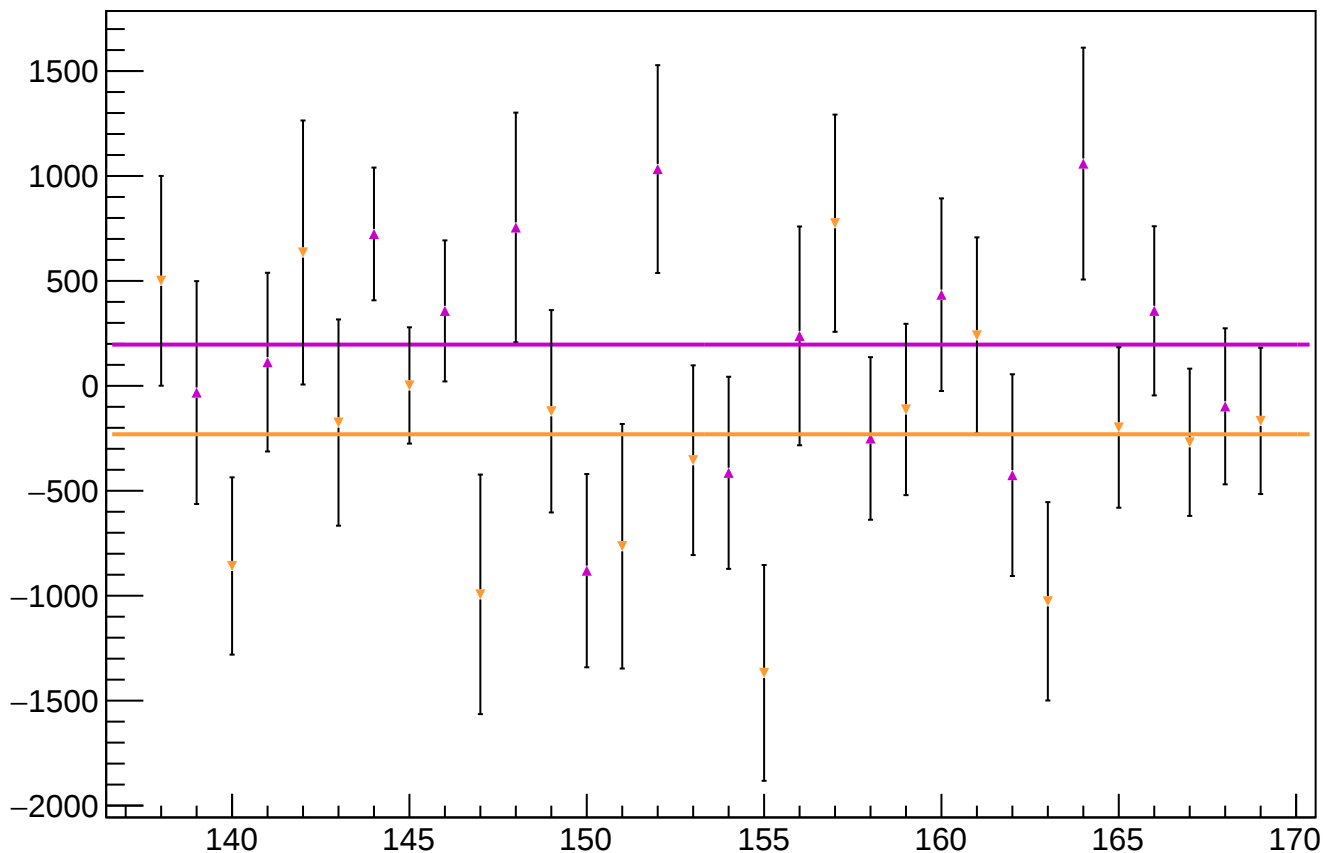
Left In: 368.635+/-0.078 χ^2/NDF : 705286.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 364.637+/-0.053 χ^2/NDF : 1866281.9/31

- 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: -230.691+/-105.242 χ^2/NDF : 22.4/16

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

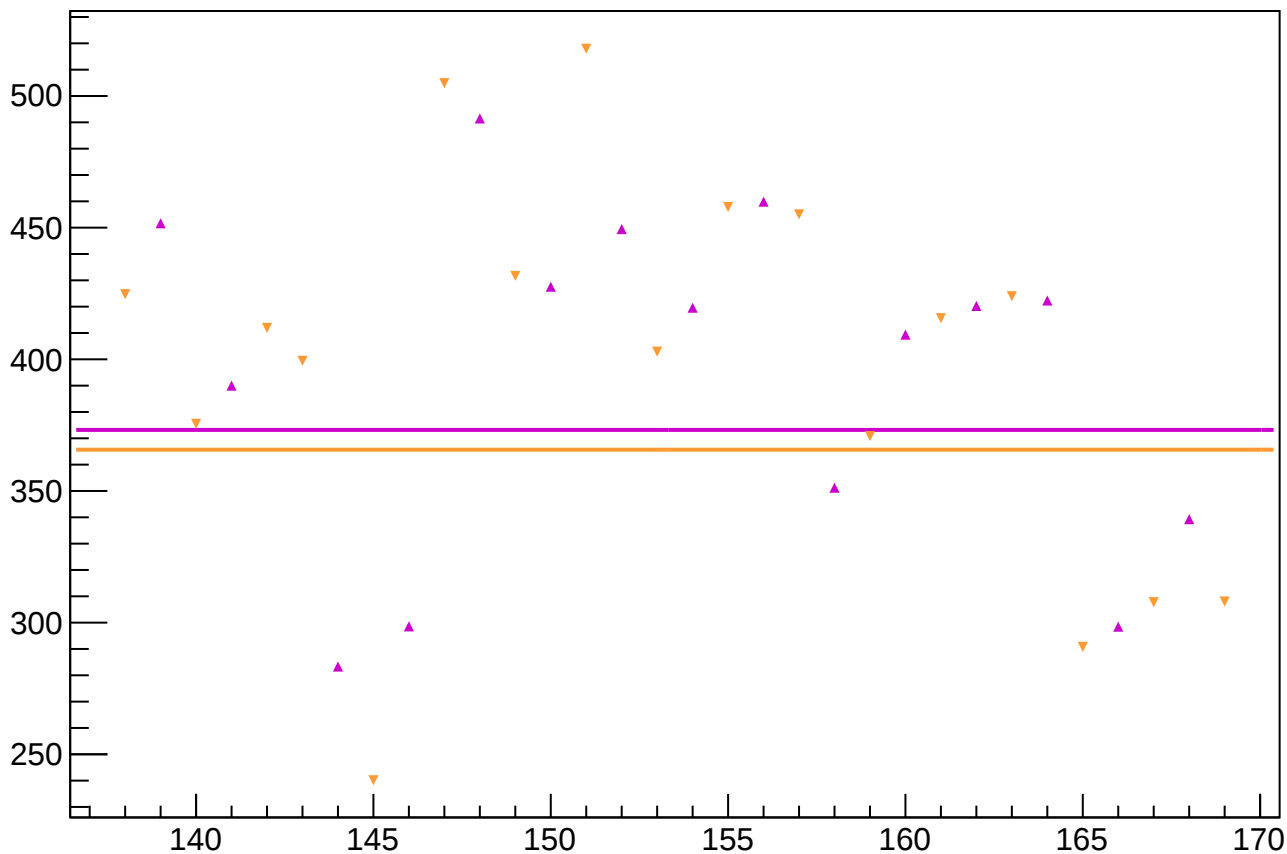
Left In: 196.545+/-111.165 χ^2/NDF : 20.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -28.758+/-76.426 χ^2/NDF : 51.0/31

- 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: 365.684+/-0.074 χ^2/NDF : 1129775.4/16

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

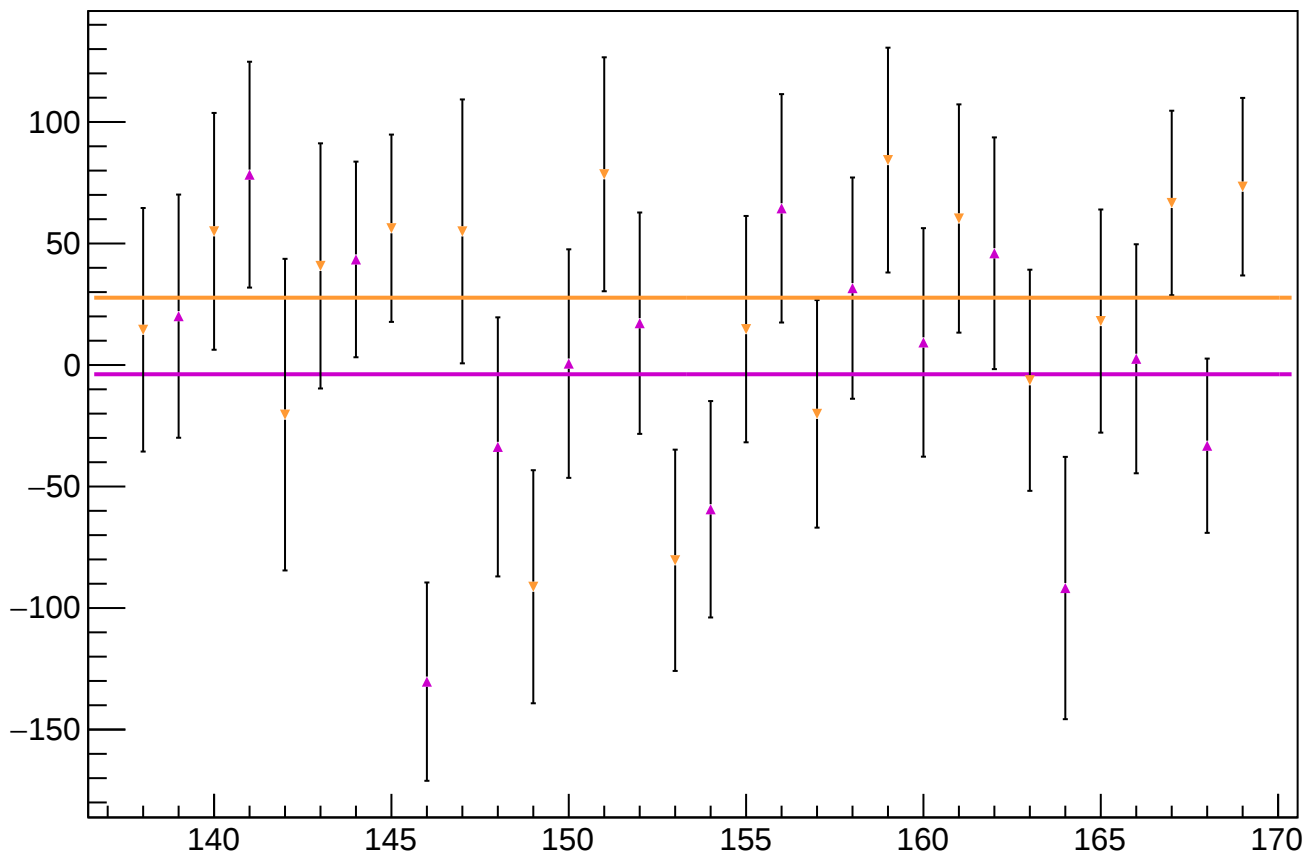
Left In: 373.193+/-0.079 χ^2/NDF : 690835.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 369.233+/-0.054 χ^2/NDF : 1825423.1/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 27.701+/-11.141 χ^2/NDF : 21.0/16

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

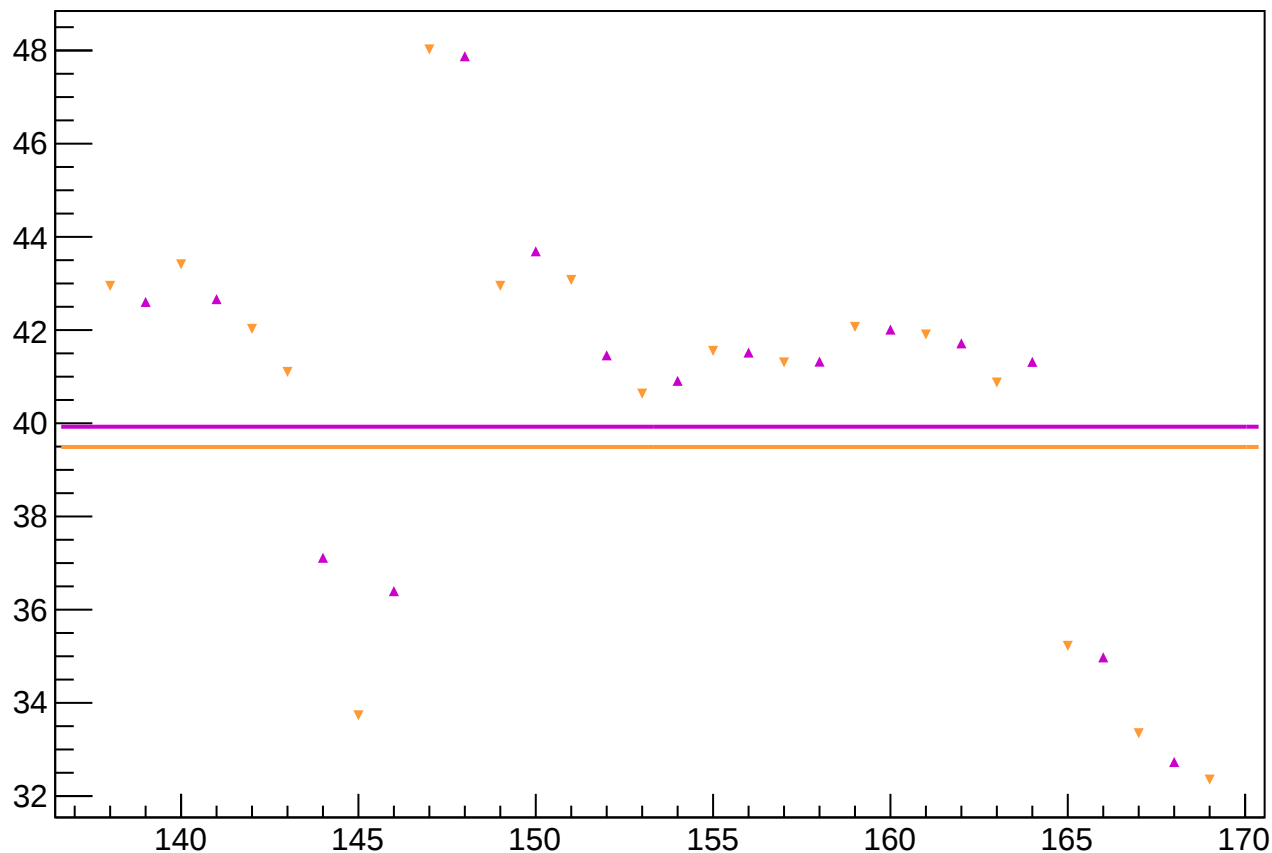
Left In: -3.802+/-11.728 χ^2/NDF : 23.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 12.757+/-8.078 χ^2/NDF : 48.5/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 39.492 $\pm$ 0.008 χ^2 /NDF:310665.1/16

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

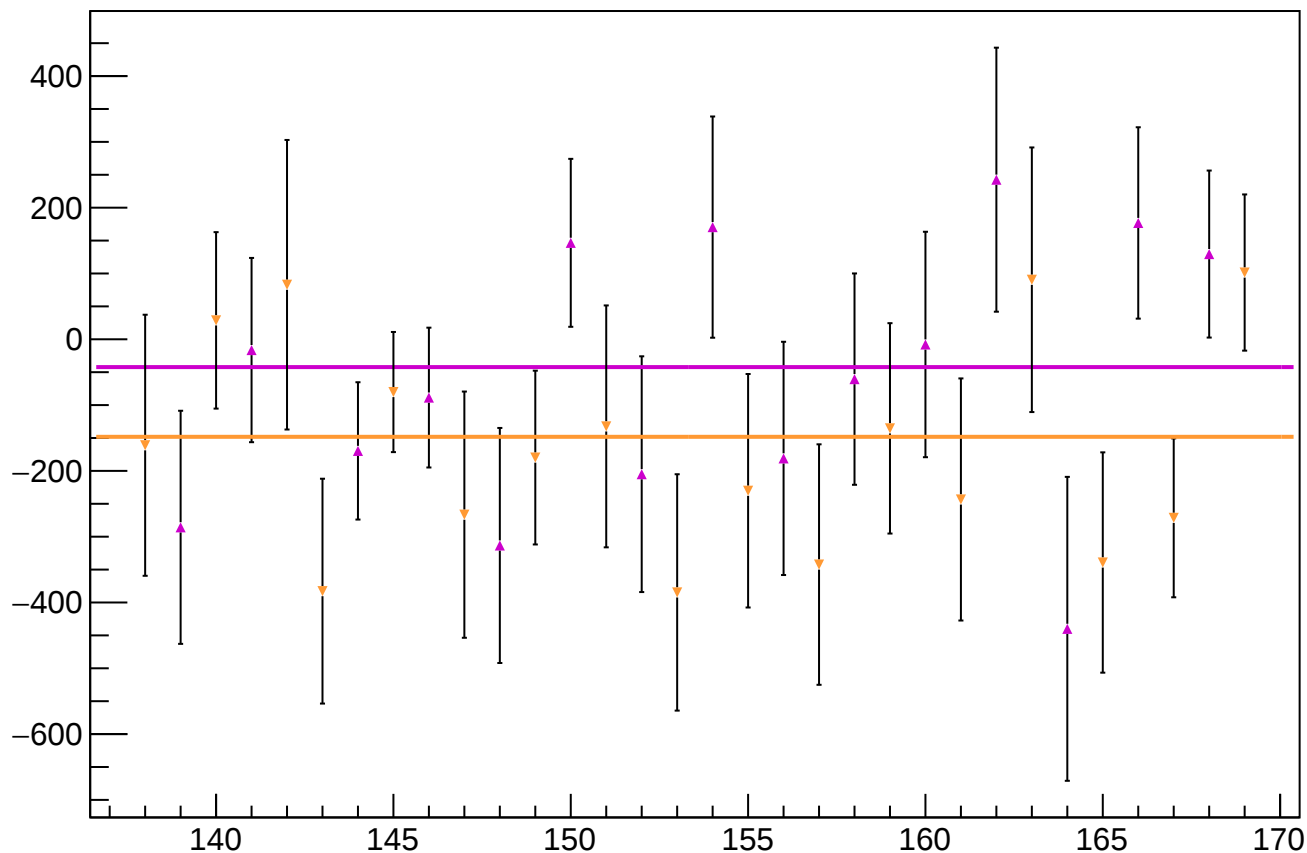
Left In: 39.926 $\pm$ 0.008 χ^2 /NDF:212775.7/14

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

All: 39.698 $\pm$ 0.006 χ^2 /NDF: 524882.3/31

- sign 0.000 $\pm$ 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: -148.213 $\pm$ 36.941 χ^2 /NDF:17.3/16

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

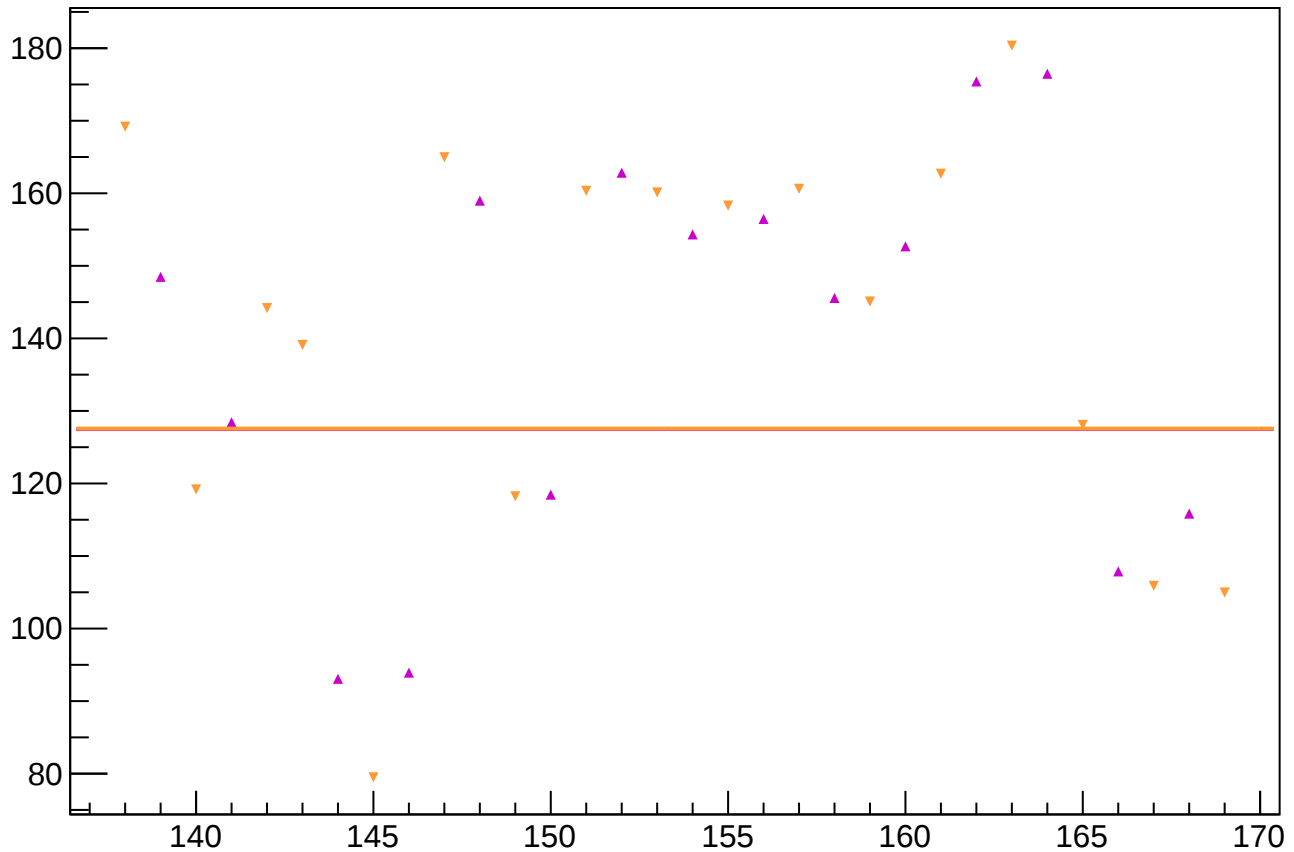
Left In: -42.262 $\pm$ 38.340 χ^2 /NDF:20.3/14

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

All: -97.207 $\pm$ 26.602 χ^2 /NDF: 41.5/31

- 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: 127.561+/-0.026 χ^2/NDF : 1387251.7/16

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

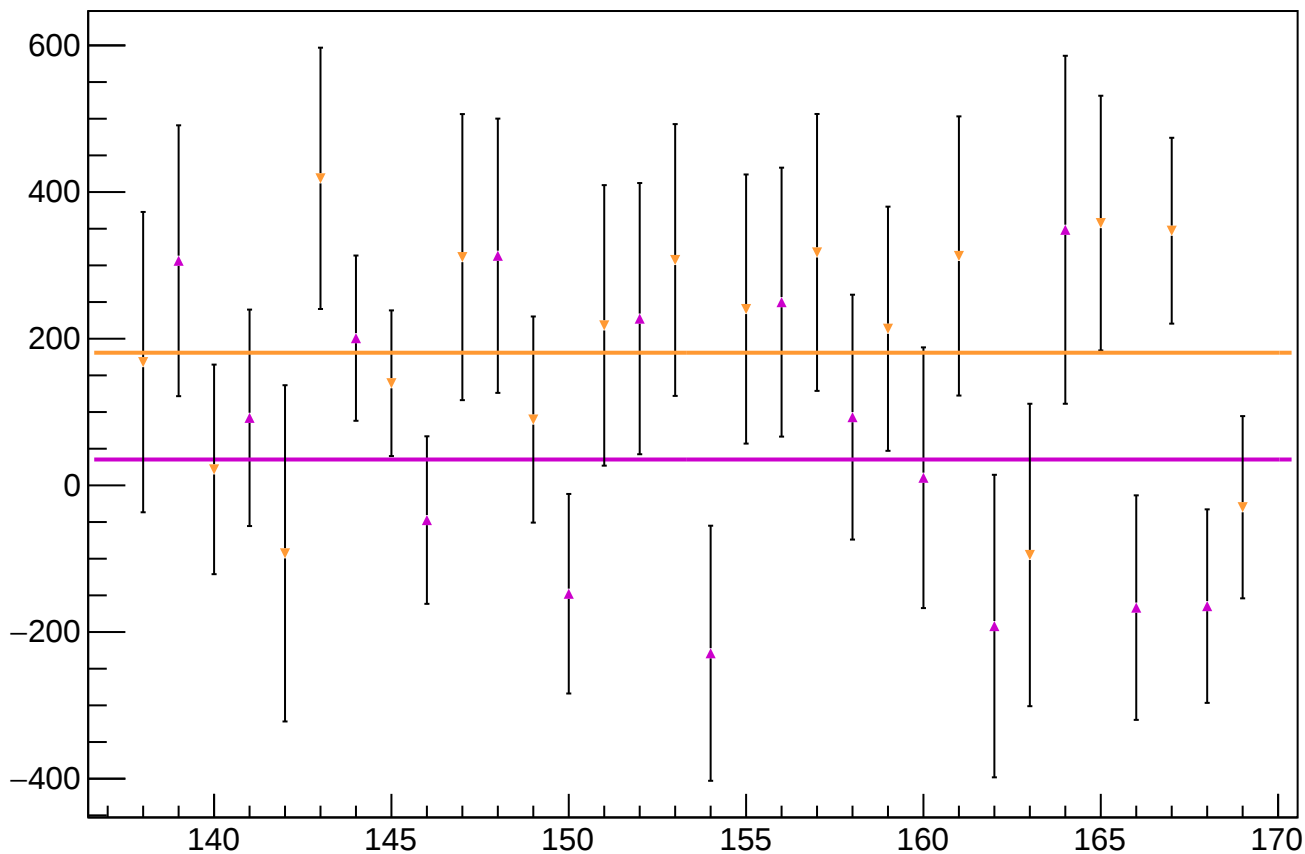
Left In: 127.504+/-0.027 χ^2/NDF : 1025881.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 127.533+/-0.019 χ^2/NDF : 2413135.1/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 180.899 +/- 38.832 χ^2/NDF : 14.6/16

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

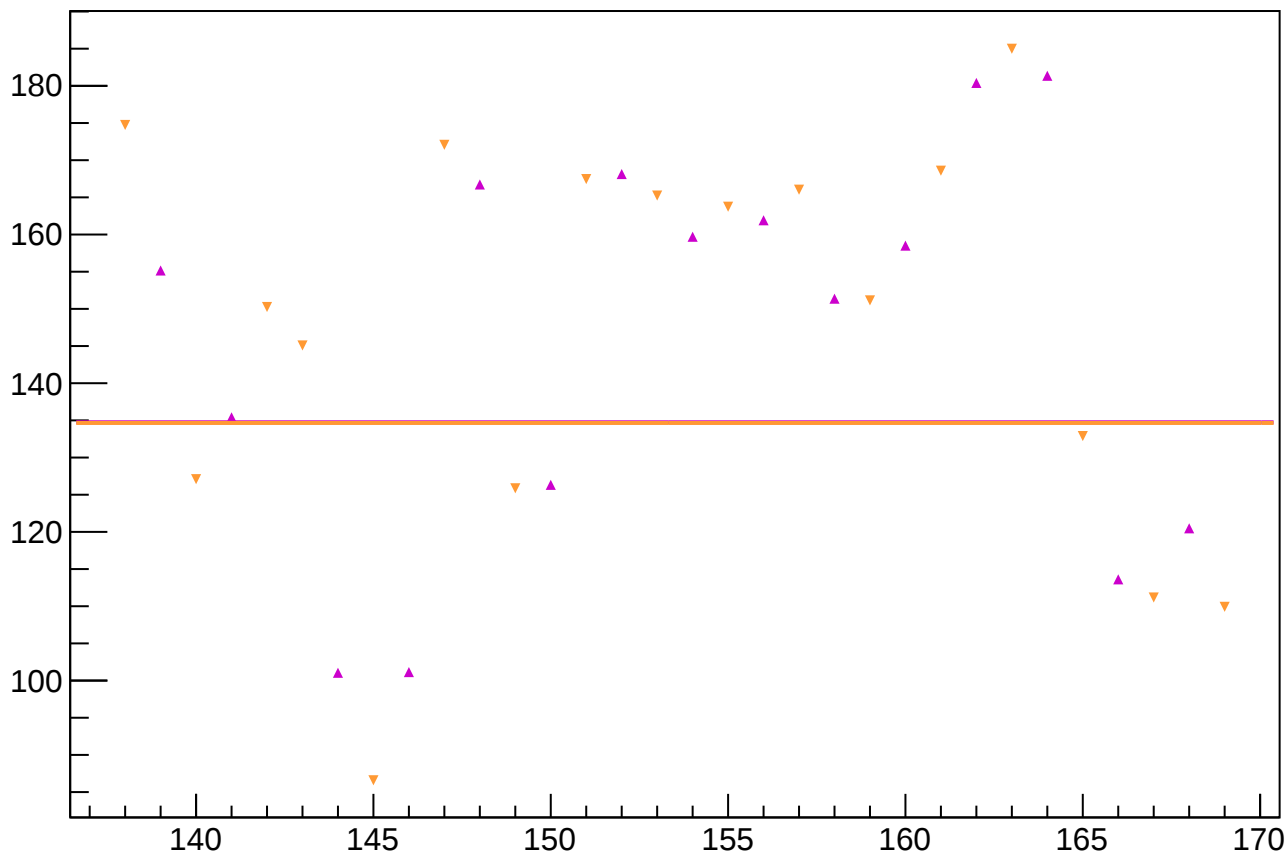
Left In: 35.277 +/- 40.353 χ^2/NDF : 20.9/14

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: 110.885 +/- 27.981 χ^2/NDF : 42.2/31

- sign 0.000 +/- 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: 134.656+/-0.027 χ^2/NDF :1217340.3/16

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

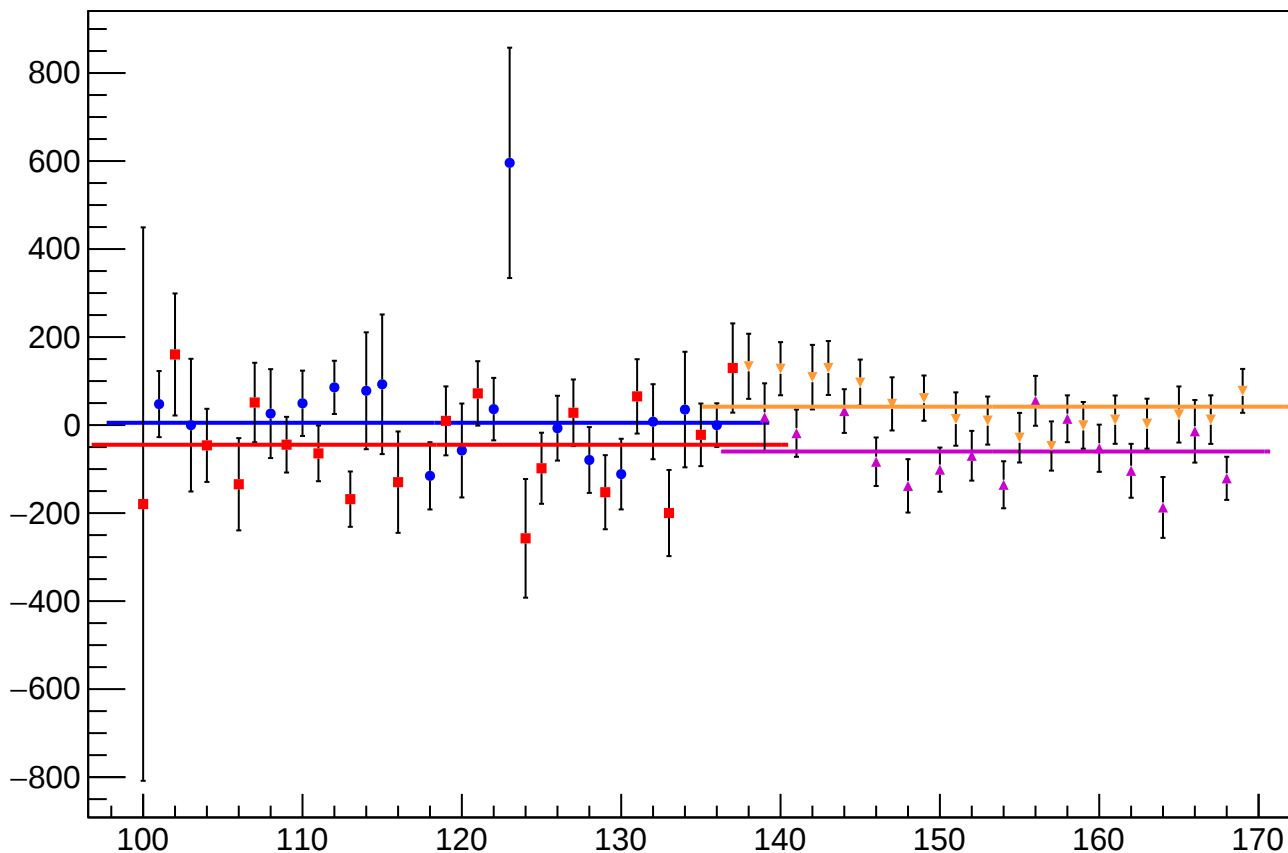
Left In: 134.744+/-0.029 χ^2/NDF :884990.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 134.698+/-0.020 χ^2/NDF : 2102335.7/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 41.777 ± 13.945 χ^2/NDF : 14.7/16

Right Out: -44.715 ± 19.410 χ^2/NDF : 24.4/18

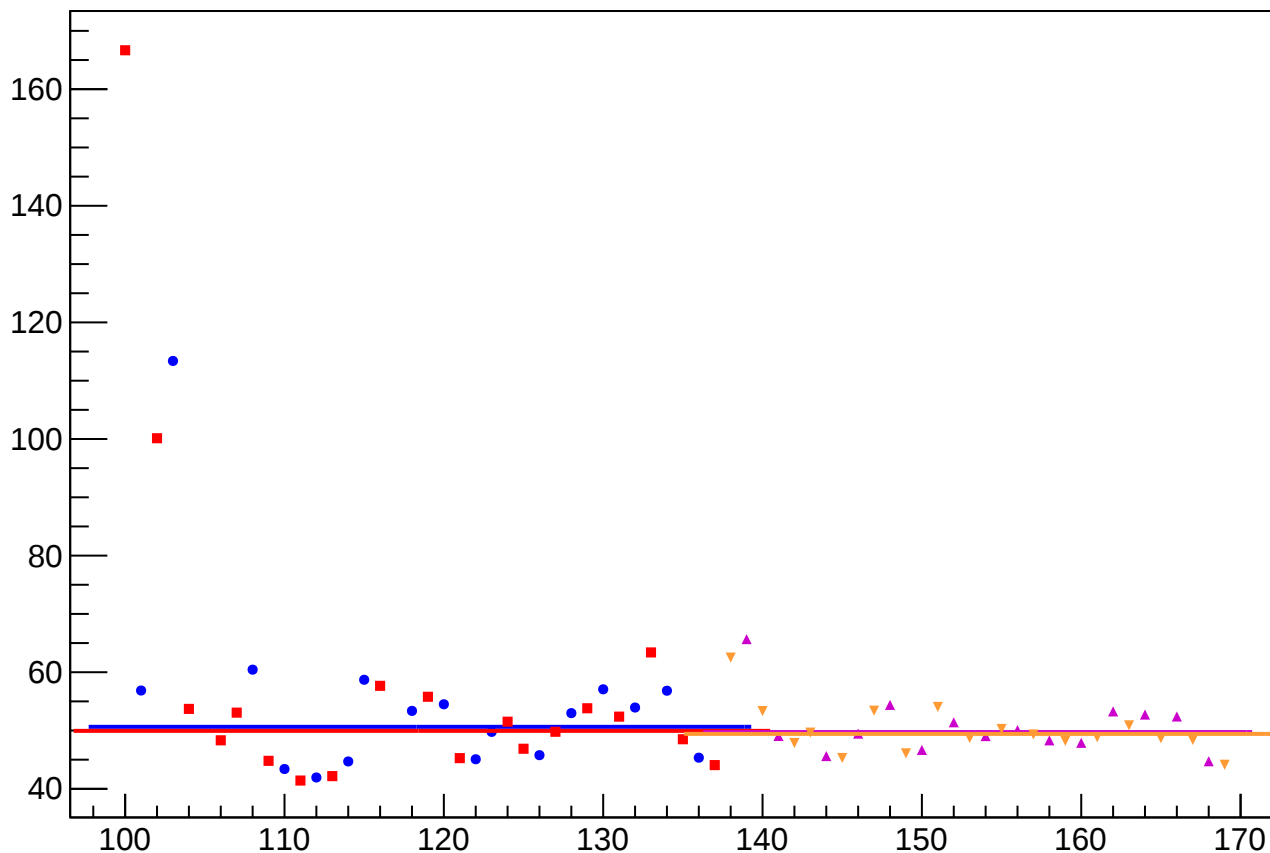
Left In: -60.057 ± 14.616 χ^2/NDF : 21.5/14

+ sign 29.938 ± 11.467 χ^2/NDF : 31.6/33

All: -11.522 ± 8.181 χ^2/NDF : 104.5/67

- sign -54.506 ± 11.676 χ^2/NDF : 46.3/33

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.423 $\pm$ 0.010 χ^2 /NDF: 140015.3/16

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

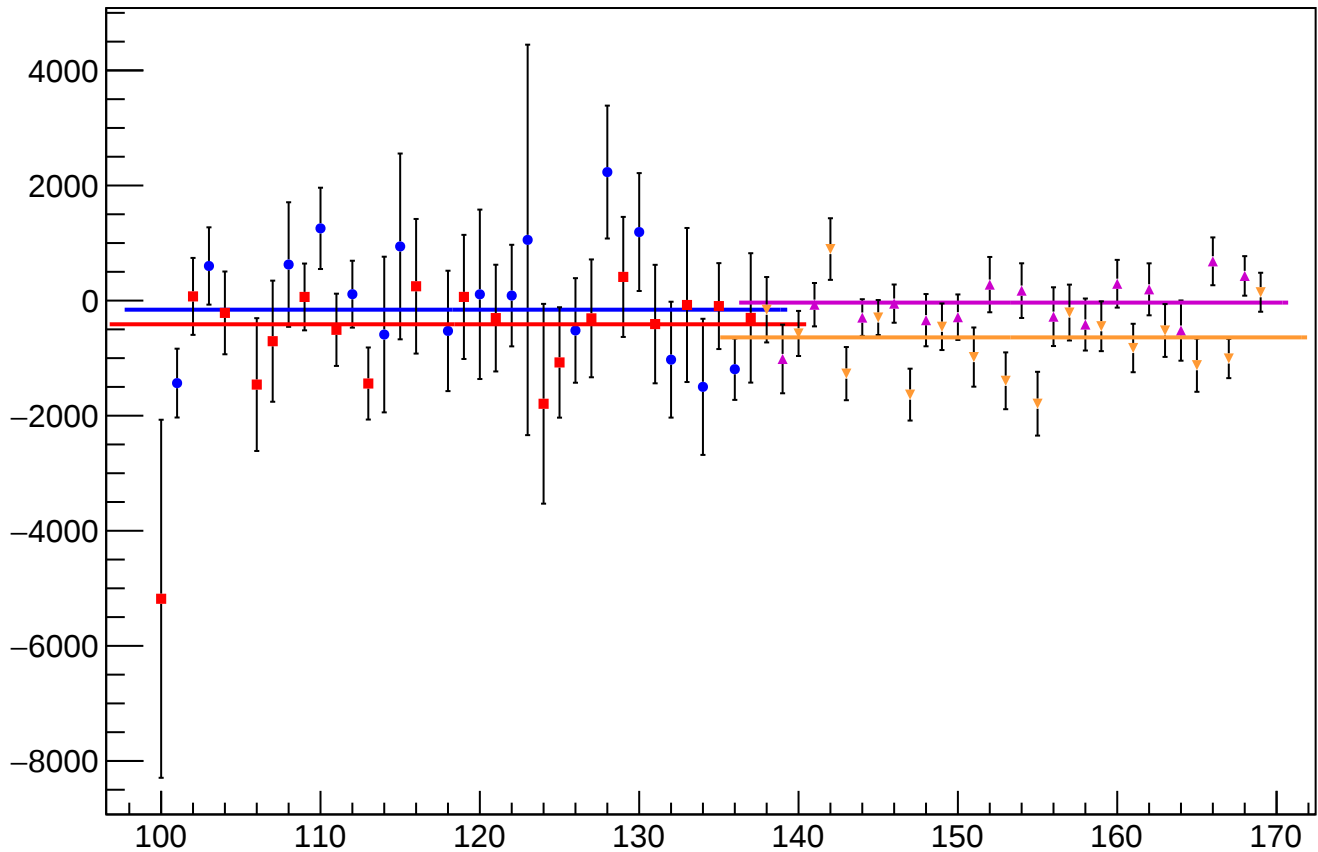
Left In: 49.736 $\pm$ 0.010 χ^2 /NDF: 158493.5/14

+ sign 49.815 $\pm$ 0.008 χ^2 /NDF: 664595.1/33

All: 49.813 $\pm$ 0.006 χ^2 /NDF: 1323722.5/67

- sign 49.811 $\pm$ 0.008 χ^2 /NDF: 659127.2/33

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 $\pm$ 210.181 χ^2/NDF : 23.5/16

Left Out: -639.346 $\pm$ 103.852 χ^2/NDF : 33.1/16

Right Out: -411.611 $\pm$ 203.633 χ^2/NDF : 9.8/18

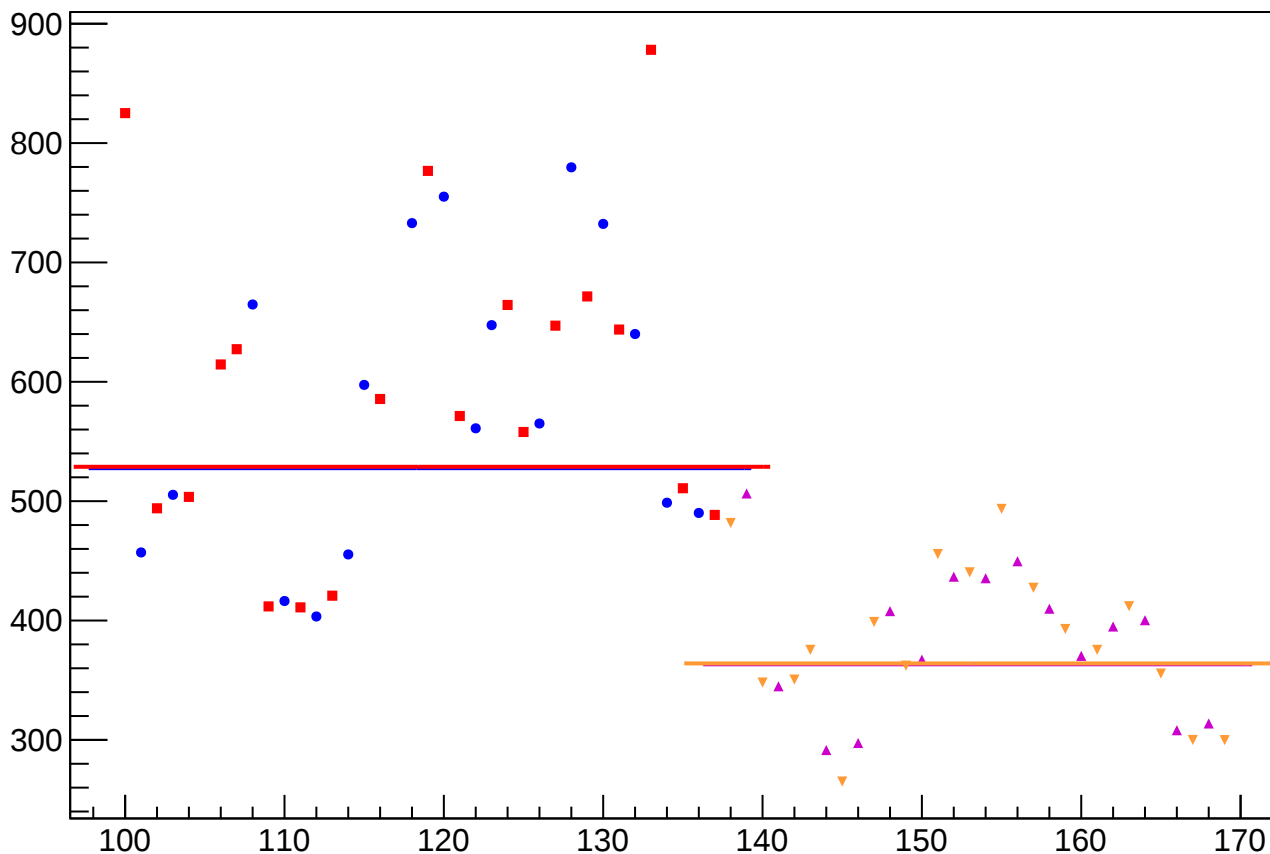
Left In: -35.071 $\pm$ 107.759 χ^2/NDF : 12.3/14

+ sign -544.890 $\pm$ 93.106 χ^2/NDF : 60.8/33

All: -336.022 $\pm$ 66.580 χ^2/NDF : 95.9/67

- sign -117.447 $\pm$ 95.245 χ^2/NDF : 24.8/33

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 364.073 $\pm$ 0.073 χ^2 /NDF: 745532.8/16

Right Out: 528.806 $\pm$ 0.144 χ^2 /NDF: 623364.6/18

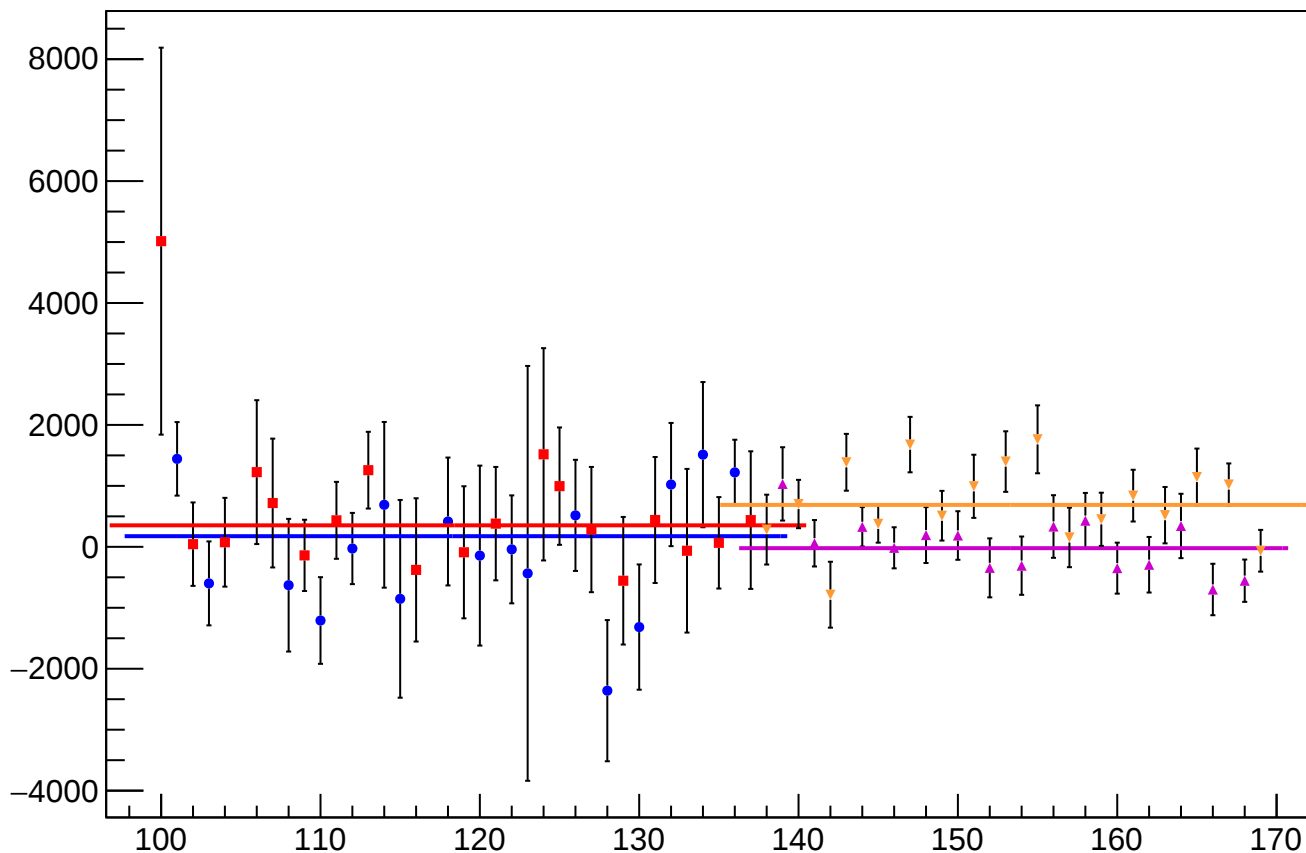
Left In: 363.315 $\pm$ 0.076 χ^2 /NDF: 588092.0/14

+ sign 396.175 $\pm$ 0.066 χ^2 /NDF: 2276793.4/33

All: 397.810 $\pm$ 0.047 χ^2 /NDF: 4521462.3/67

- sign 399.520 $\pm$ 0.067 χ^2 /NDF: 2243407.4/33

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 687.994 $\pm$ 104.881 χ^2 /NDF:30.7/16

Right Out: 352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

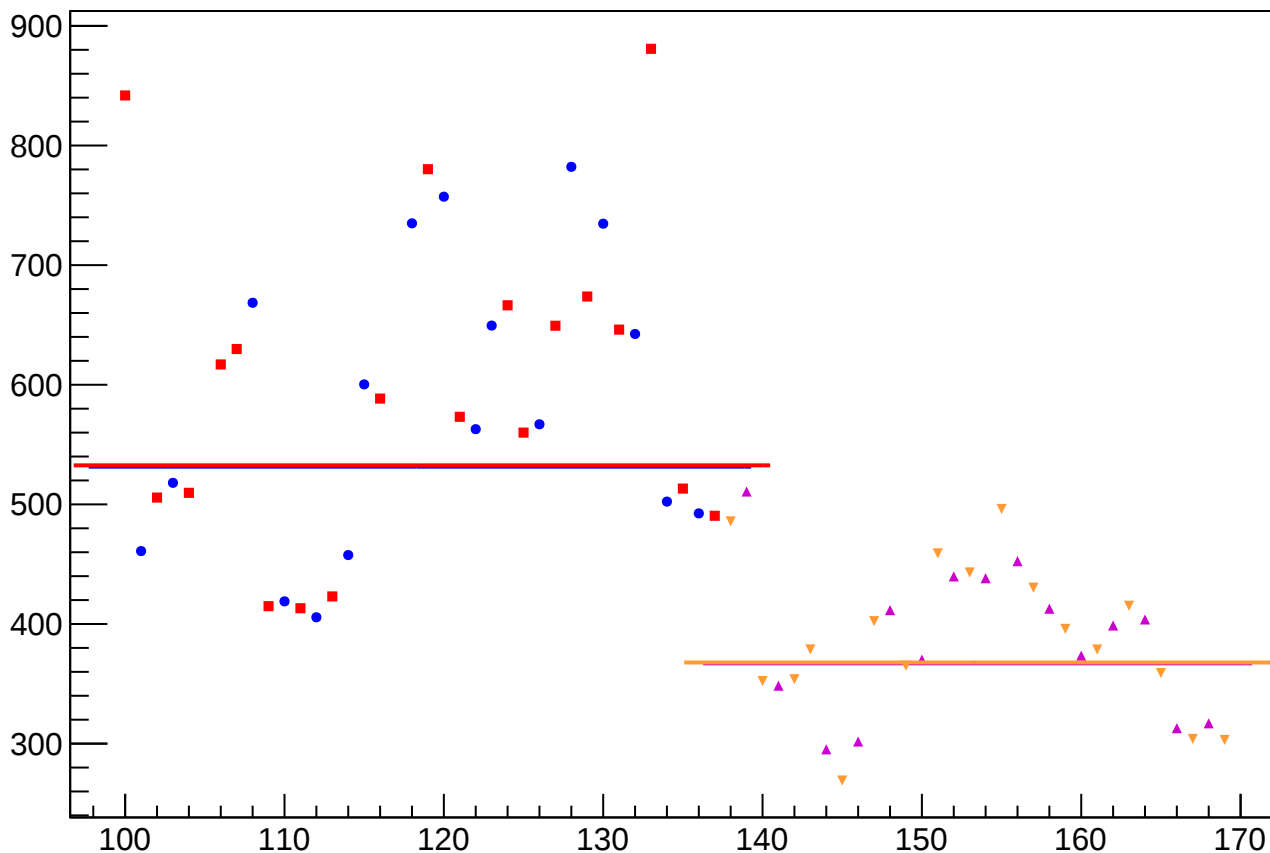
Left In: -22.079 $\pm$ 108.842 χ^2 /NDF:13.4/14

+ sign 586.790 $\pm$ 93.976 χ^2 /NDF: 59.1/33

All: 329.514 $\pm$ 67.208 χ^2 /NDF: 98.9/67

- sign 60.181 $\pm$ 96.154 χ^2 /NDF: 24.5/33

asym_sam_1357_avg_rms vs Slug



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 367.841 $\pm$ 0.074 χ^2 /NDF: 724287.9/16

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

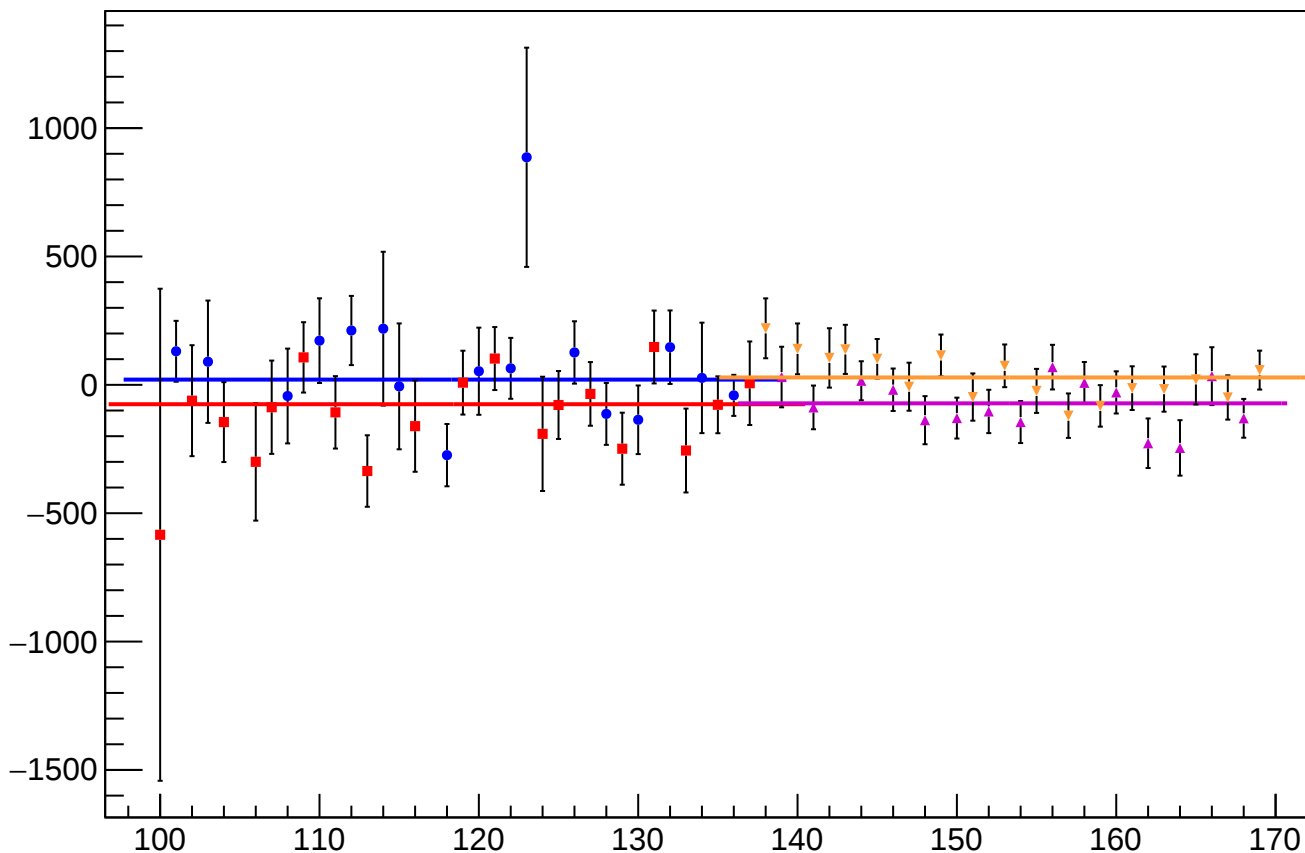
Left In: 367.116 $\pm$ 0.077 χ^2 /NDF: 571453.7/14

+ sign 400.114 $\pm$ 0.066 χ^2 /NDF: 2235005.0/33

All: 401.746 $\pm$ 0.048 χ^2 /NDF: 4438797.3/67

- sign 403.454 $\pm$ 0.068 χ^2 /NDF: 2202557.6/33

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441+/-34.583 χ^2/NDF : 19.3/16

Left Out: 28.767+/-21.517 χ^2/NDF : 15.5/16

Right Out: -75.454+/-34.698 χ^2/NDF : 15.4/18

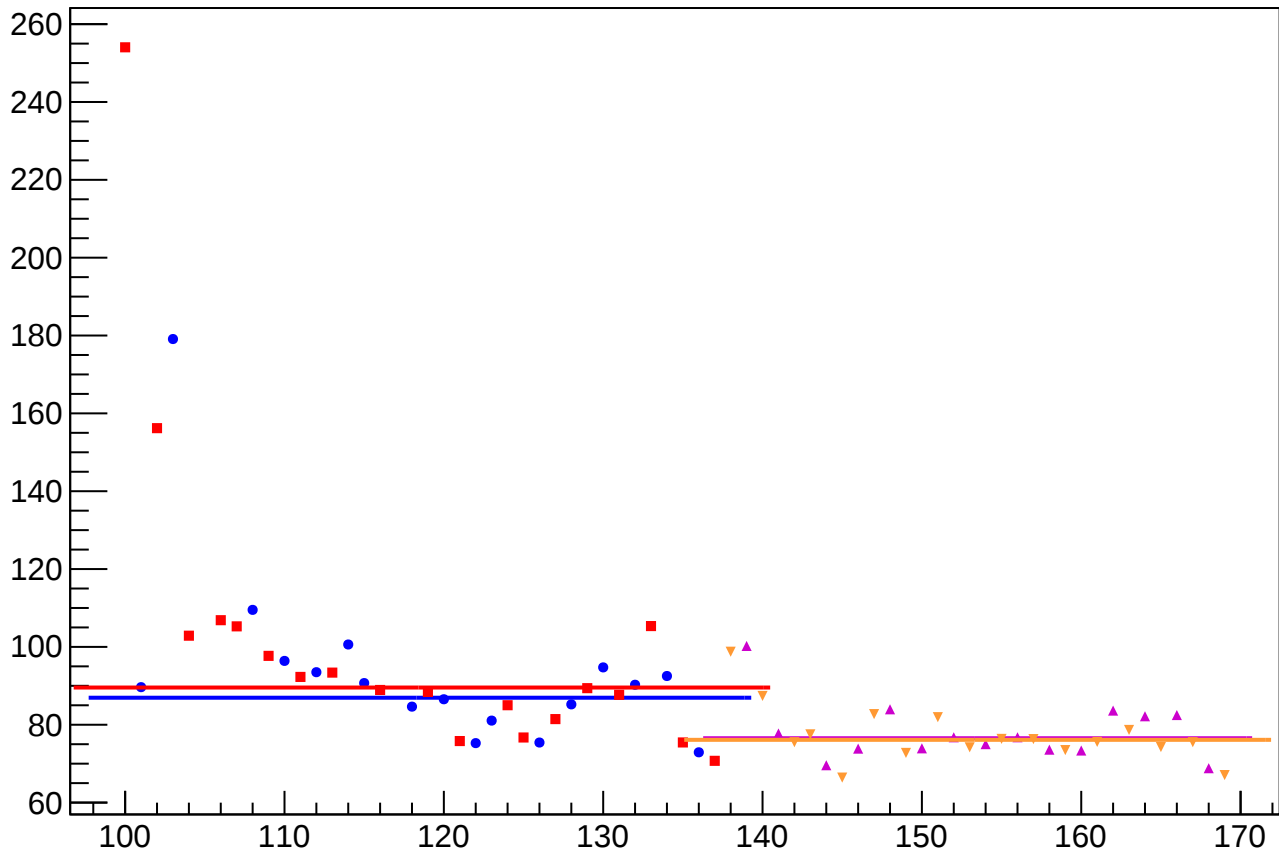
Left In: -72.075+/-22.527 χ^2/NDF : 15.0/14

+ sign 26.443+/-18.269 χ^2/NDF : 34.8/33

All: -21.643+/-13.134 χ^2/NDF : 79.6/67

- sign -73.077+/-18.895 χ^2/NDF : 30.4/33

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 76.123 $\pm$ 0.015 χ^2 /NDF: 189287.3/16

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

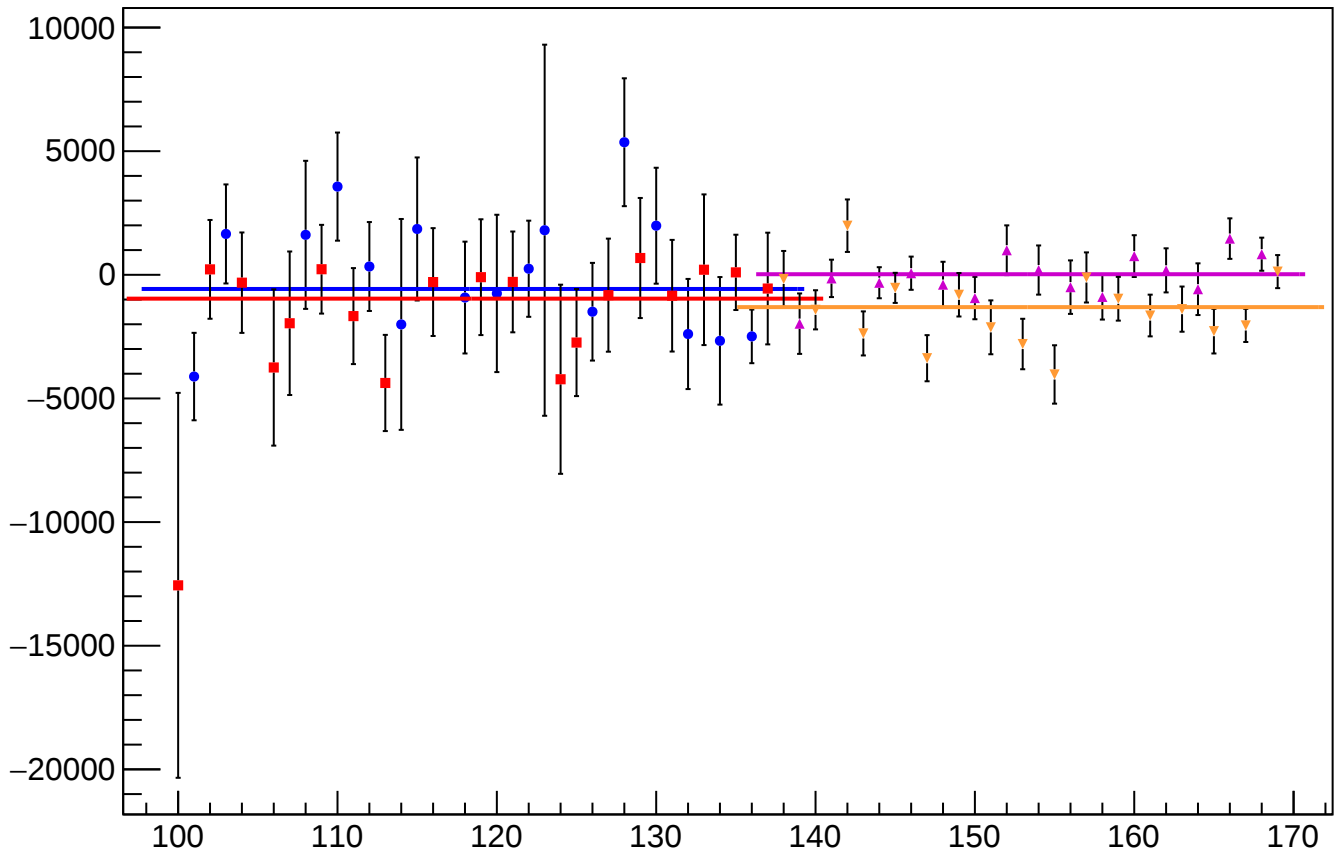
Left In: 76.540 $\pm$ 0.016 χ^2 /NDF: 163648.0/14

+ sign 79.143 $\pm$ 0.013 χ^2 /NDF: 786221.7/33

All: 79.751 $\pm$ 0.009 χ^2 /NDF: 1583811.2/67

- sign 80.401 $\pm$ 0.013 χ^2 /NDF: 793004.5/33

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 $\pm$ 517.020 χ^2/NDF : 21.9/16

Left Out: -1306.664 $\pm$ 209.705 χ^2/NDF : 35.7/16

Right Out: -963.846 $\pm$ 514.621 χ^2/NDF : 10.1/18

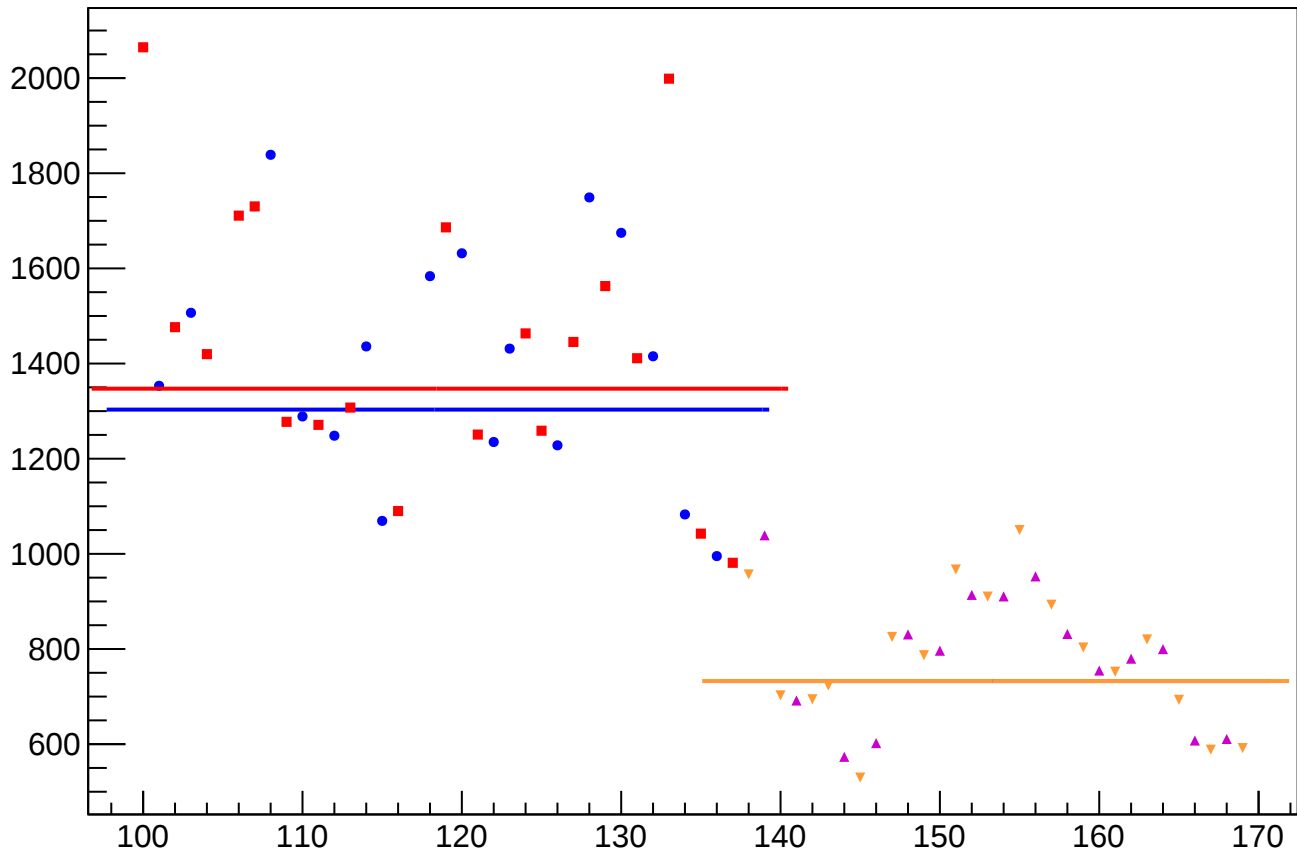
Left In: 23.825 $\pm$ 217.987 χ^2/NDF : 12.4/14

+ sign -1202.924 $\pm$ 194.329 χ^2/NDF : 59.3/33

All: -682.094 $\pm$ 139.617 χ^2/NDF : 99.7/67

- sign -126.430 $\pm$ 200.722 χ^2/NDF : 25.6/33

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 732.659+/-0.148 χ^2/NDF : 899532.0/16

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

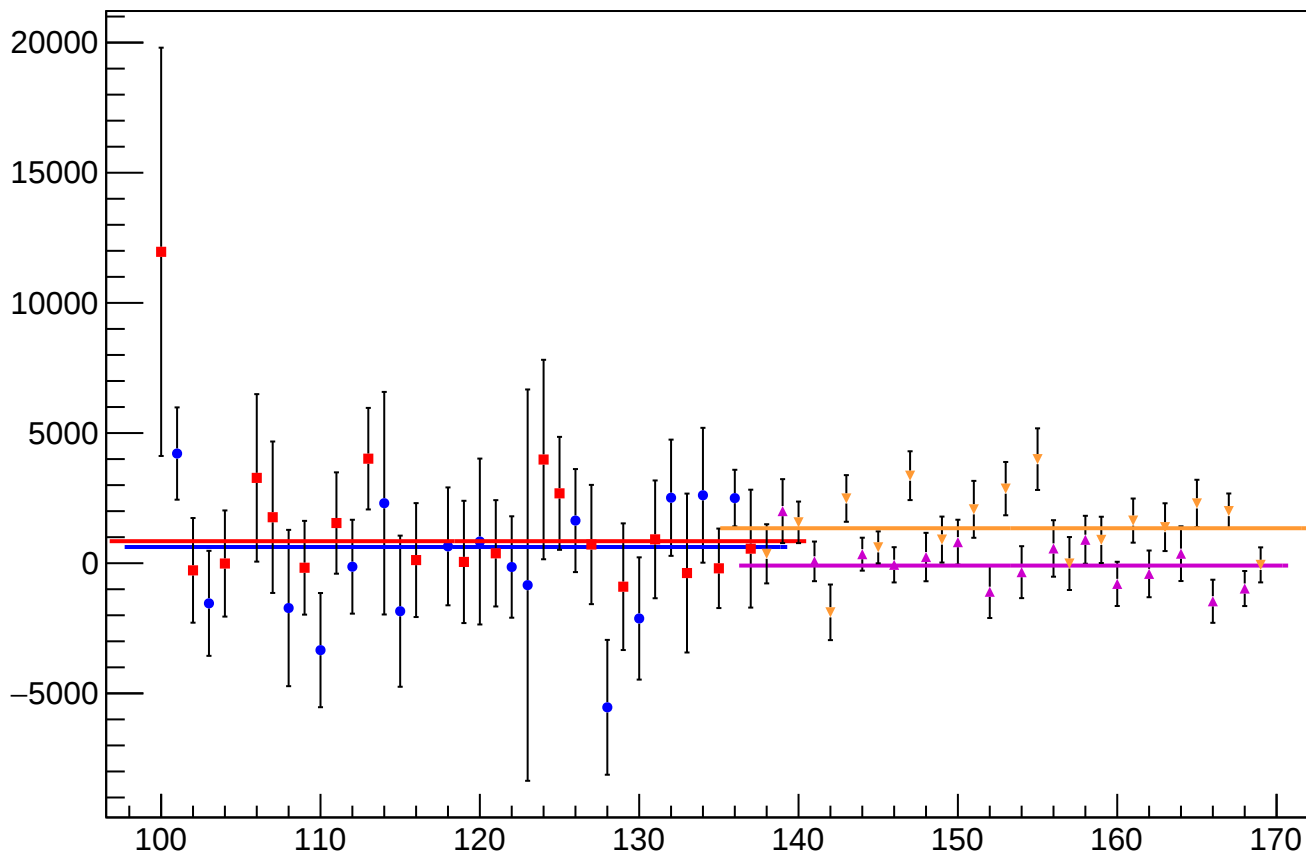
Left In: 732.650+/-0.154 χ^2/NDF : 731994.8/14

+ sign 813.261+/-0.137 χ^2/NDF : 3442931.0/33

All: 819.492+/-0.099 χ^2/NDF : 7017998.4/67

- sign 826.138+/-0.142 χ^2/NDF : 3570818.5/33

asym_sam_2468_avg_mean vs Slug



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 1343.798+/-210.954 χ^2/NDF : 34.2/16

Right Out: 846.021+/-516.325 χ^2/NDF : 9.1/18

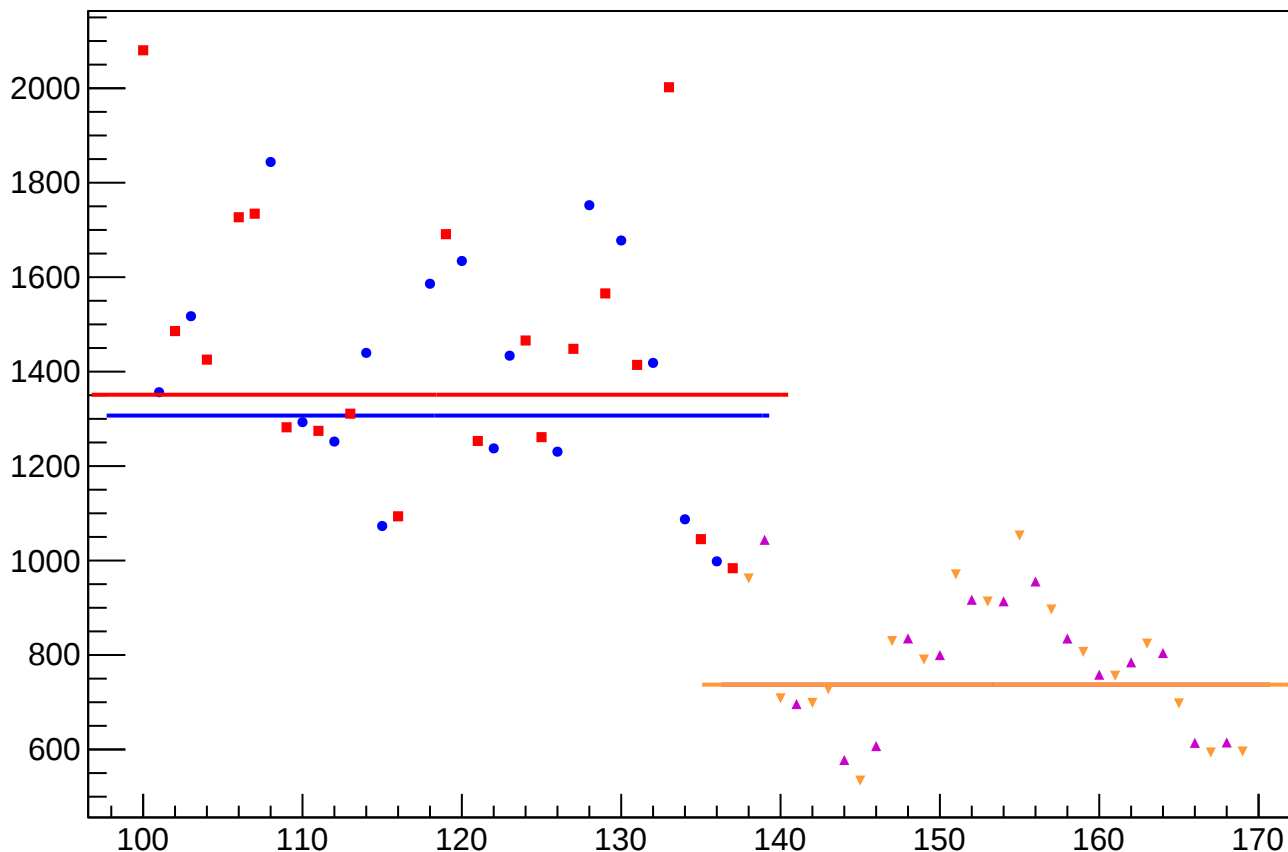
Left In: -90.710+/-219.313 χ^2/NDF : 12.7/14

+ sign 1241.344+/-195.400 χ^2/NDF : 57.8/33

All: 666.224+/-140.396 χ^2/NDF : 100.3/67

- sign 52.463+/-201.858 χ^2/NDF : 24.6/33

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 737.241+/-0.149 χ^2/NDF : 885158.4/16

Right Out: 1351.096+/-0.365 χ^2/NDF : 421804.6/18

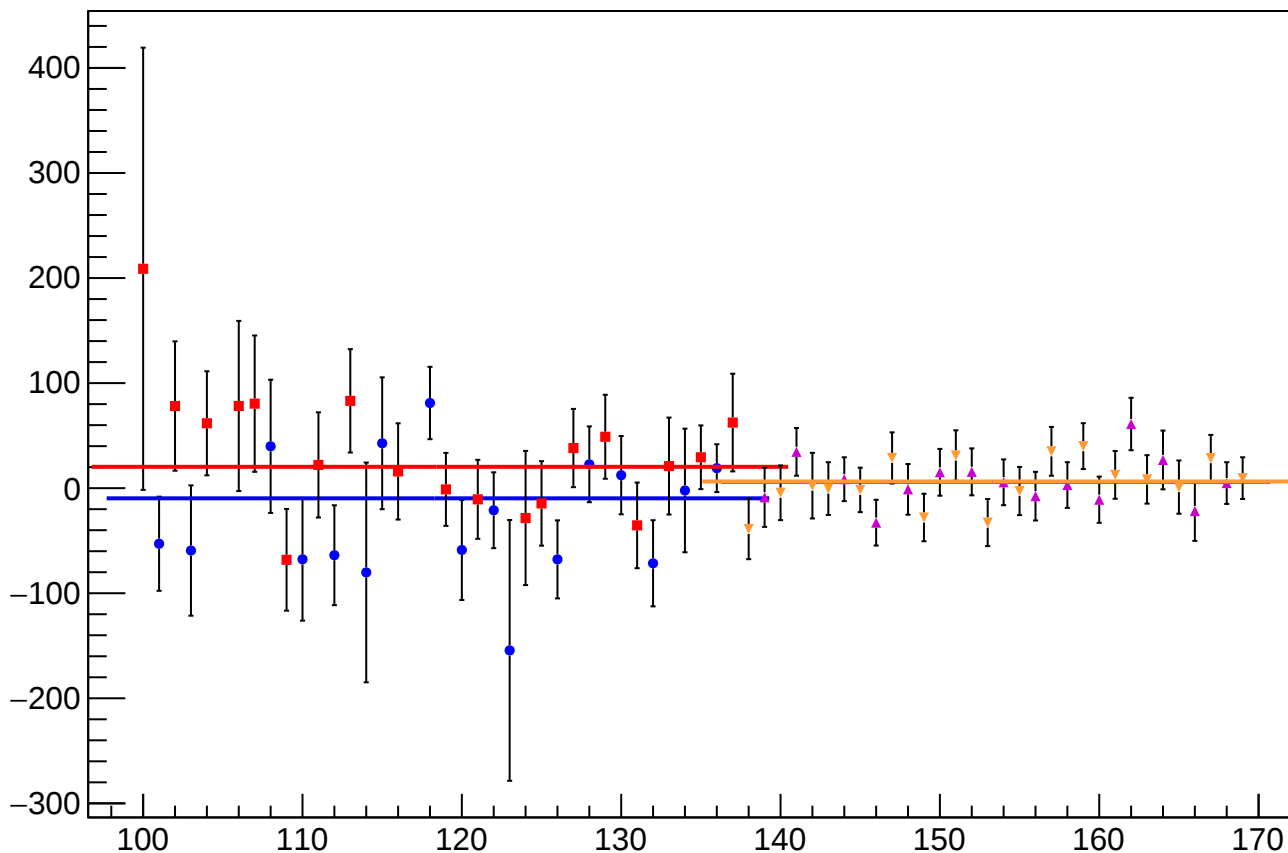
Left In: 737.328+/-0.155 χ^2/NDF : 719099.1/14

+ sign 818.158+/-0.138 χ^2/NDF : 3408241.0/33

All: 824.437+/-0.099 χ^2/NDF : 6947598.6/67

- sign 831.138+/-0.143 χ^2/NDF : 3535088.3/33

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 6.386 ± 5.706 χ^2/NDF : 15.4/16

Right Out: 20.335 ± 10.444 χ^2/NDF : 14.7/18

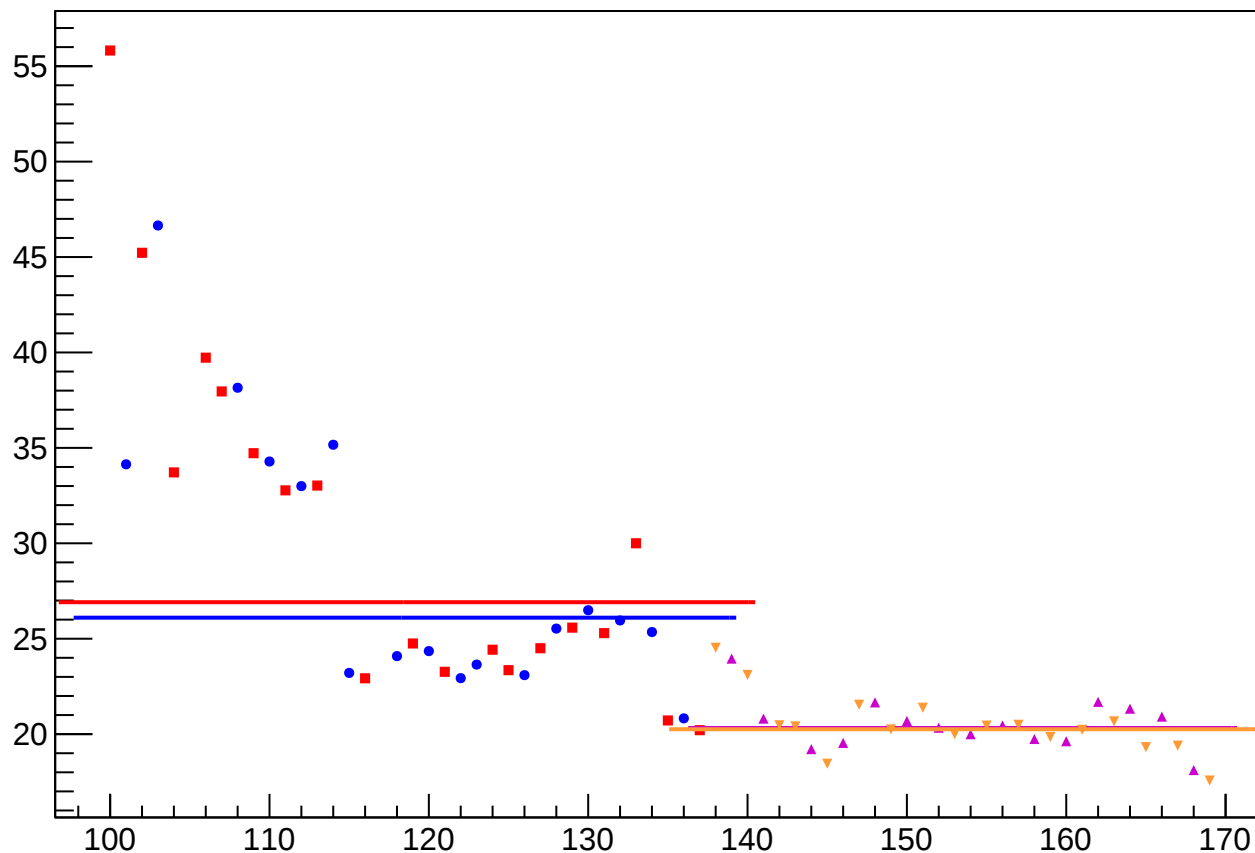
Left In: 5.865 ± 5.960 χ^2/NDF : 12.8/14

+ sign 2.676 ± 5.003 χ^2/NDF : 39.8/33

All: 5.933 ± 3.597 χ^2/NDF : 69.6/67

- sign 9.420 ± 5.176 χ^2/NDF : 28.9/33

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103 ± 0.007 $\chi^2/\text{NDF}: 604038.5/16$

Left Out: 20.257 ± 0.004 $\chi^2/\text{NDF}: 137090.2/16$

Right Out: 26.914 ± 0.007 $\chi^2/\text{NDF}: 678970.2/18$

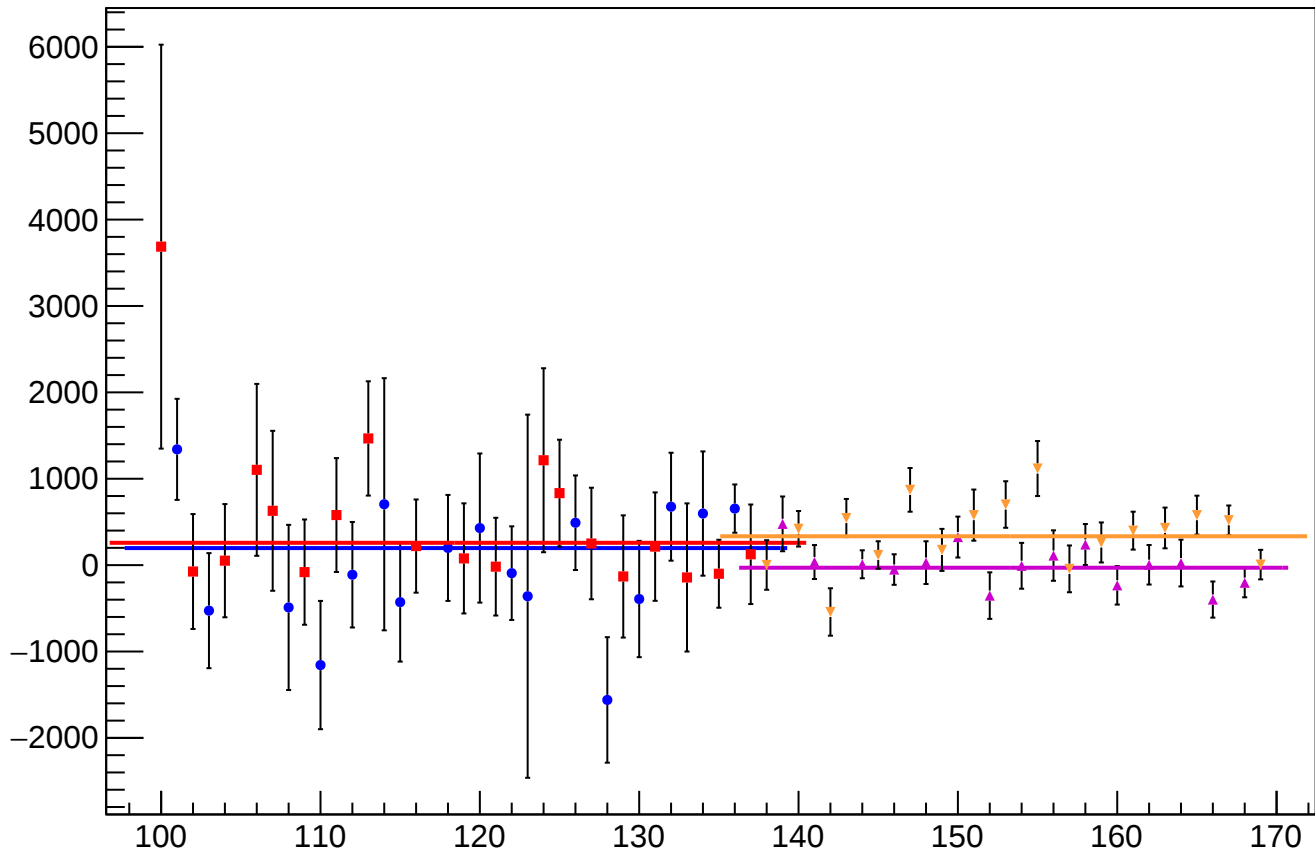
Left In: 20.321 ± 0.004 $\chi^2/\text{NDF}: 87241.6/14$

+ sign 21.608 ± 0.004 $\chi^2/\text{NDF}: 1226309.3/33$

All: 21.768 ± 0.003 $\chi^2/\text{NDF}: 2597992.3/67$

- sign 21.941 ± 0.004 $\chi^2/\text{NDF}: 1367399.2/33$

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 334.180 $\pm$ 54.553 χ^2 /NDF:36.4/16

Right Out: 258.537 $\pm$ 149.867 χ^2 /NDF: 10.7/18

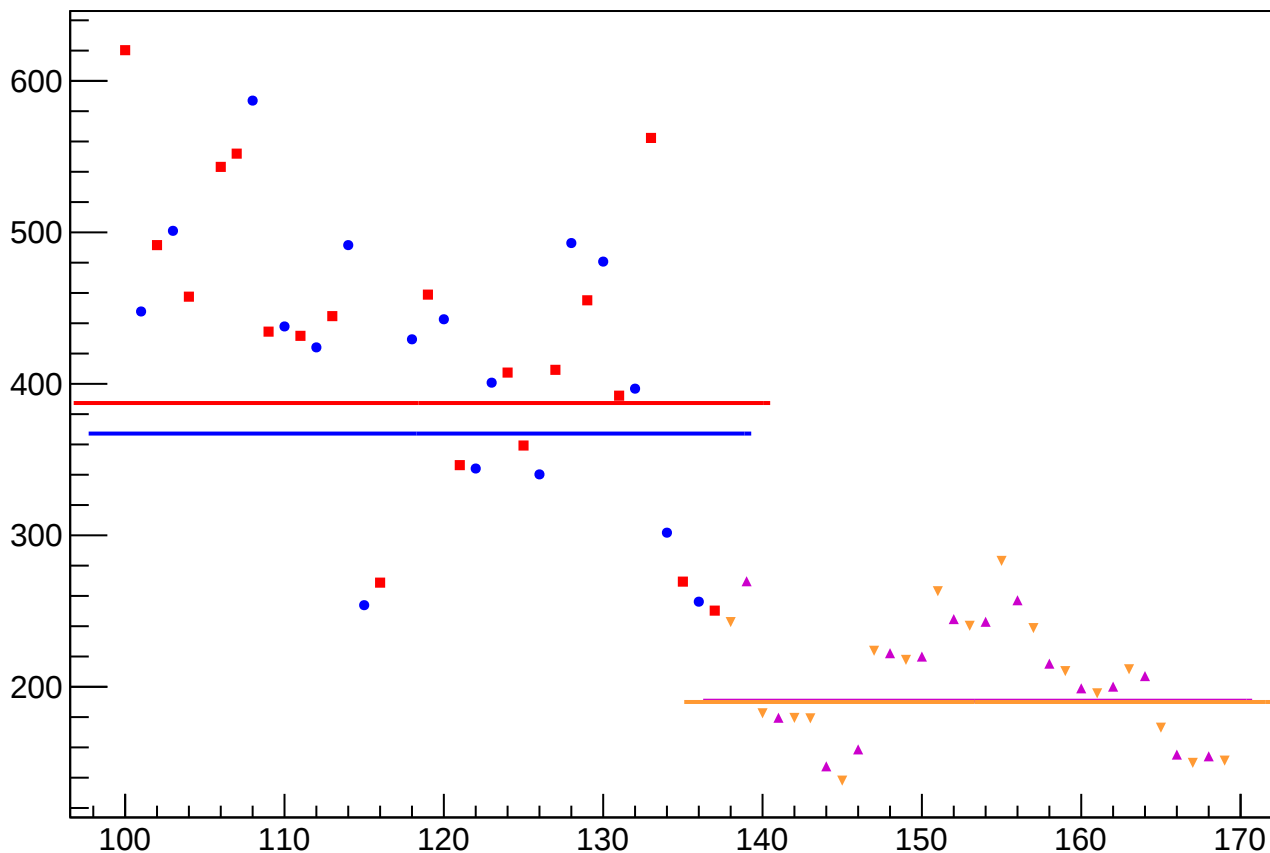
Left In: -30.146 $\pm$ 56.924 χ^2 /NDF:13.1/14

+ sign 317.788 $\pm$ 51.181 χ^2 /NDF: 58.1/33

All: 168.084 $\pm$ 36.888 χ^2 /NDF: 102.9/67

- sign 6.252 $\pm$ 53.214 χ^2 /NDF: 27.0/33

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 189.983 $\pm$ 0.039 χ^2 /NDF:1039490.7/16

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

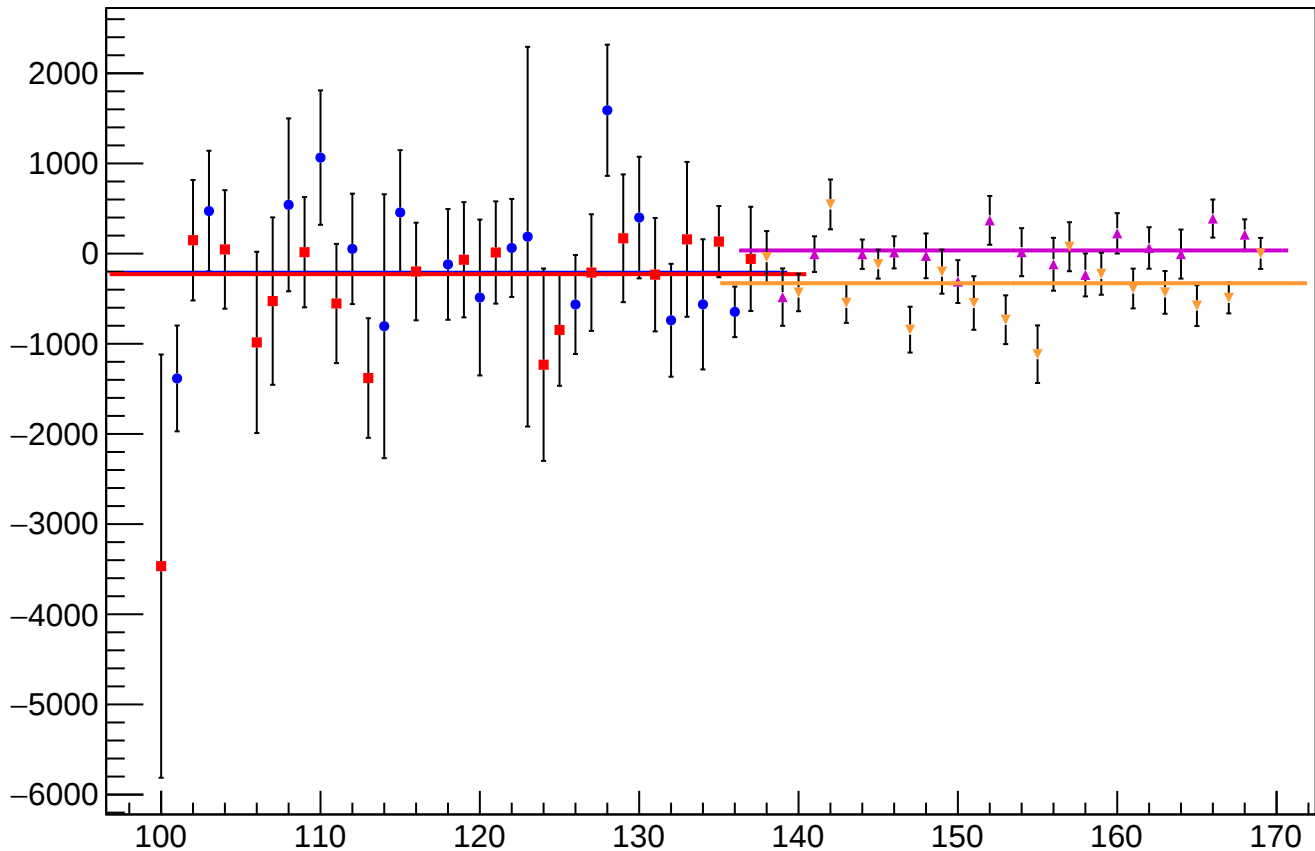
Left In: 190.816 $\pm$ 0.040 χ^2 /NDF:849646.9/14

+ sign 211.208 $\pm$ 0.036 χ^2 /NDF: 4394162.6/33

All: 213.316 $\pm$ 0.026 χ^2 /NDF: 9031068.7/67

- sign 215.594 $\pm$ 0.038 χ^2 /NDF: 4629847.1/33

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -328.193 ± 54.892 χ^2/NDF : 35.7/16

Right Out: -227.831 ± 150.317 χ^2/NDF : 10.1/18

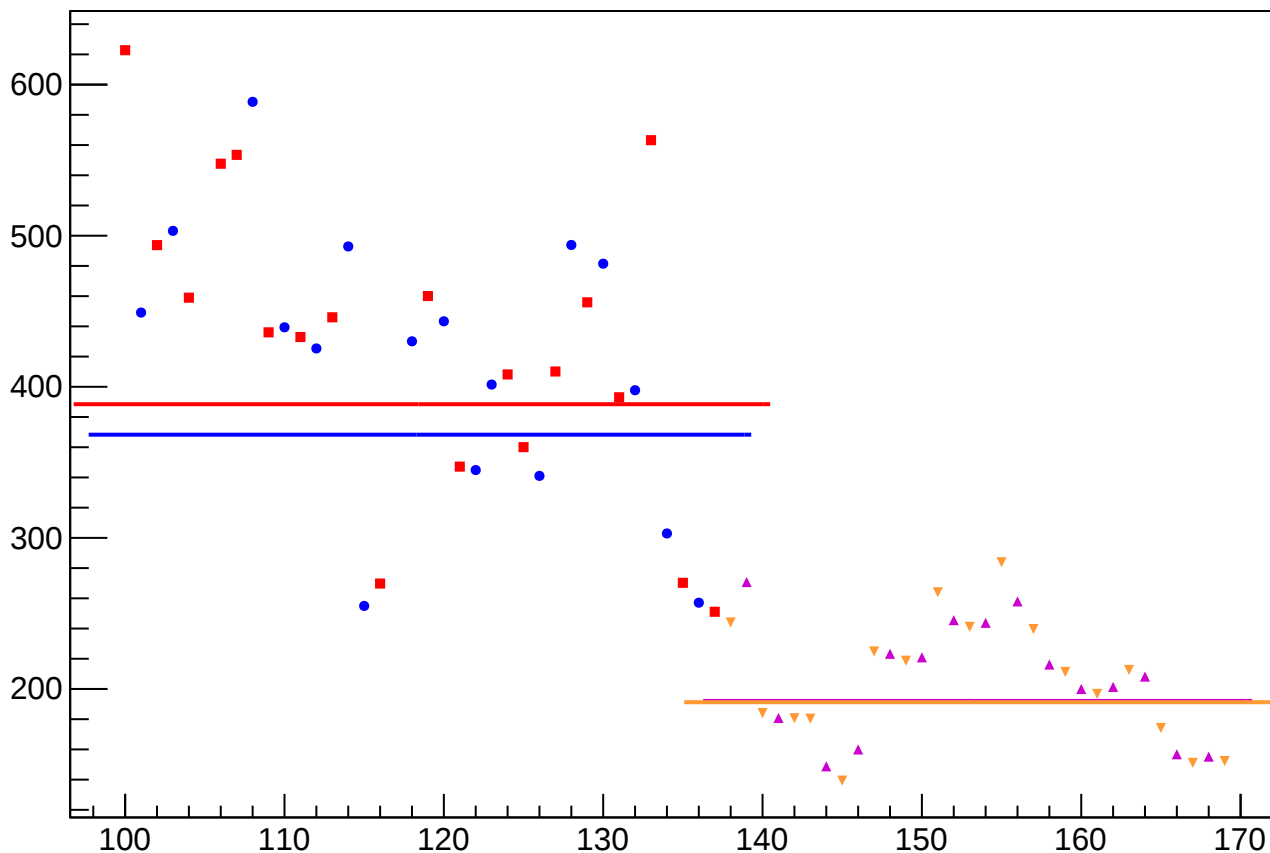
Left In: 35.214 ± 57.281 χ^2/NDF : 12.6/14

+ sign -314.178 ± 51.479 χ^2/NDF : 57.2/33

All: -162.317 ± 37.104 χ^2/NDF : 100.7/67

- sign 1.860 ± 53.526 χ^2/NDF : 25.4/33

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 191.242 $\pm$ 0.039 χ^2 /NDF:1021953.9/16

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

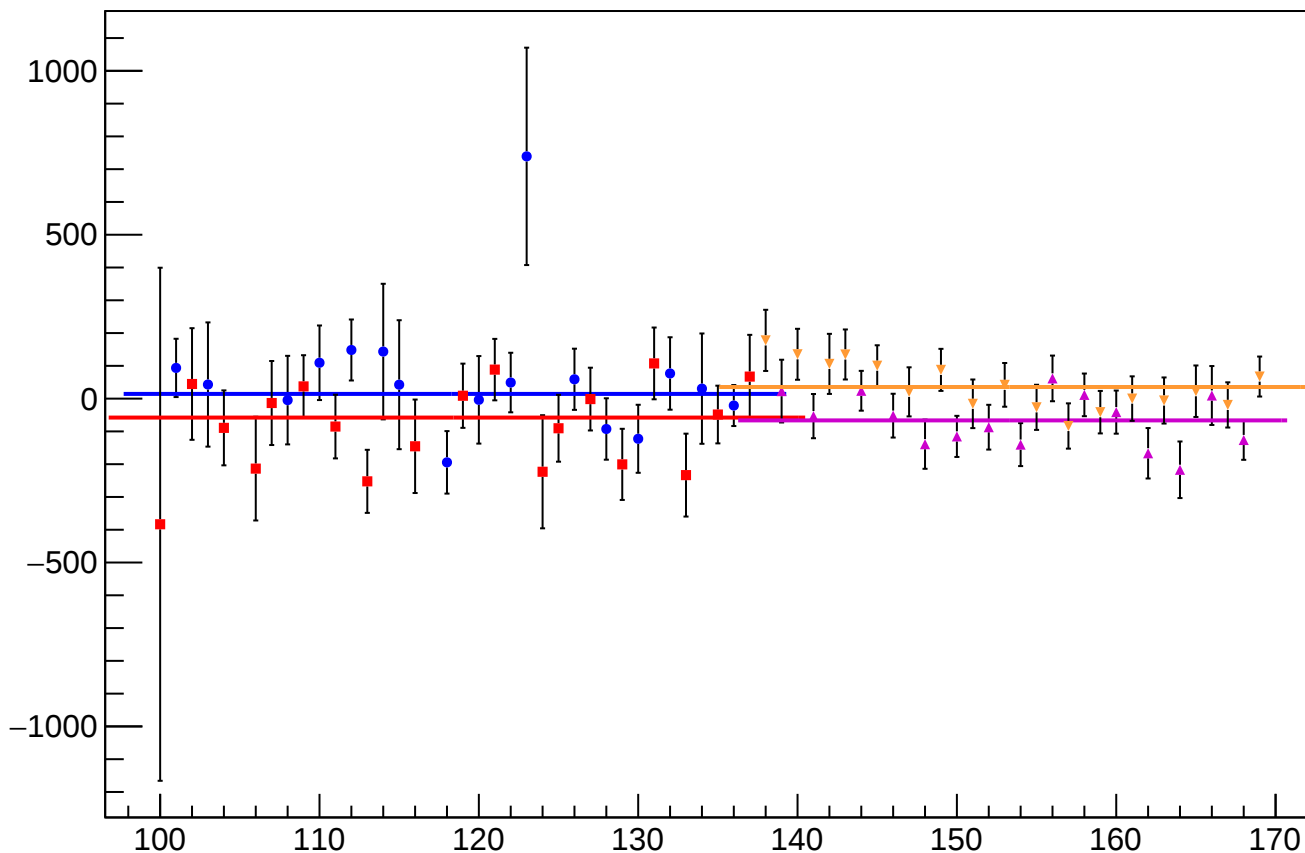
Left In: 192.090 $\pm$ 0.041 χ^2 /NDF:833569.7/14

+ sign 212.573 $\pm$ 0.036 χ^2 /NDF: 4353510.6/33

All: 214.696 $\pm$ 0.026 χ^2 /NDF: 8949688.4/67

- sign 216.991 $\pm$ 0.038 χ^2 /NDF: 4589097.4/33

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 35.448 $\pm$ 17.211 χ^2 /NDF:15.3/16

Right Out: -57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

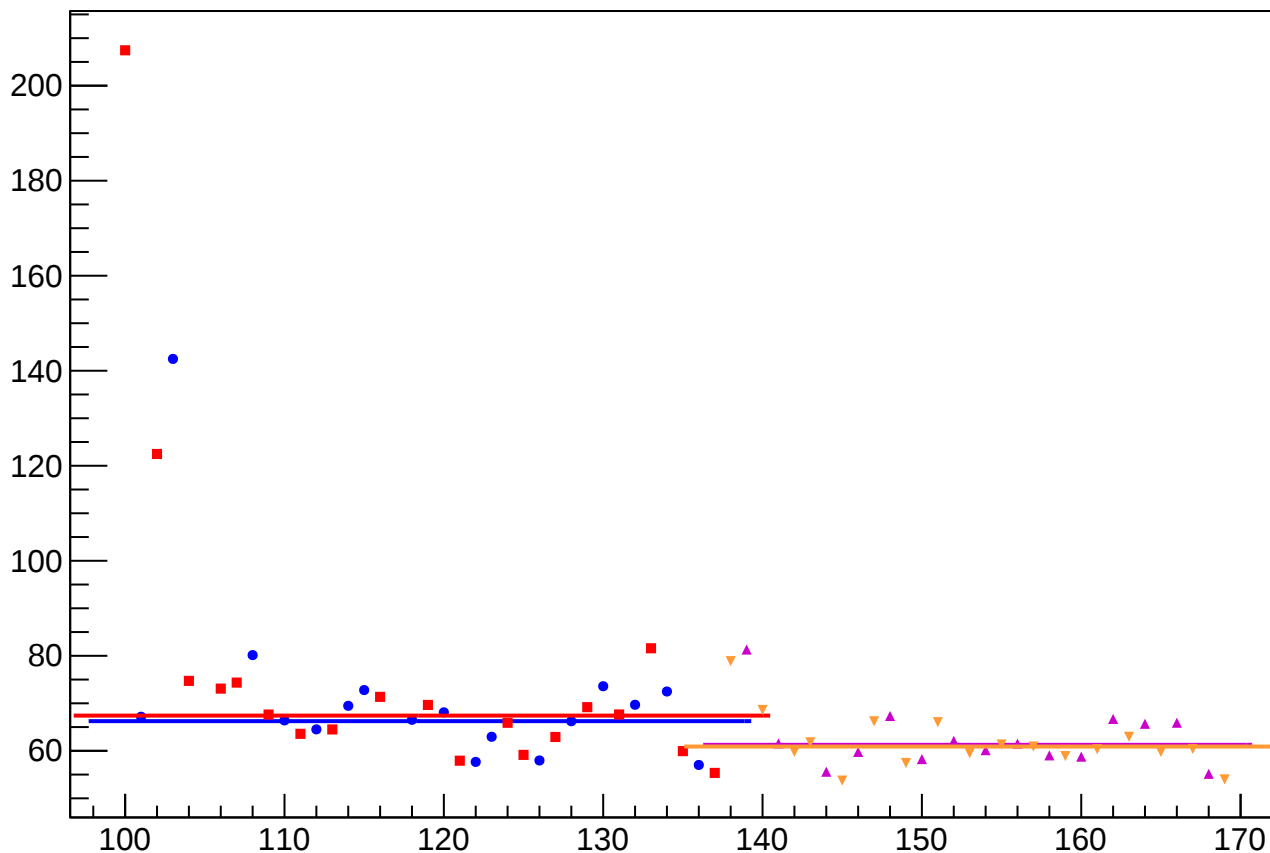
Left In: -66.418 $\pm$ 18.029 χ^2 /NDF:17.5/14

+ sign 29.144 $\pm$ 14.407 χ^2 /NDF: 33.4/33

All: -15.878 $\pm$ 10.336 χ^2 /NDF: 89.5/67

- sign -63.635 $\pm$ 14.838 χ^2 /NDF: 36.0/33

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247 ± 0.019 χ^2/NDF : 440944.2/16

Left Out: 60.902 ± 0.012 χ^2/NDF : 177282.4/16

Right Out: 67.415 ± 0.018 χ^2/NDF : 393608.5/18

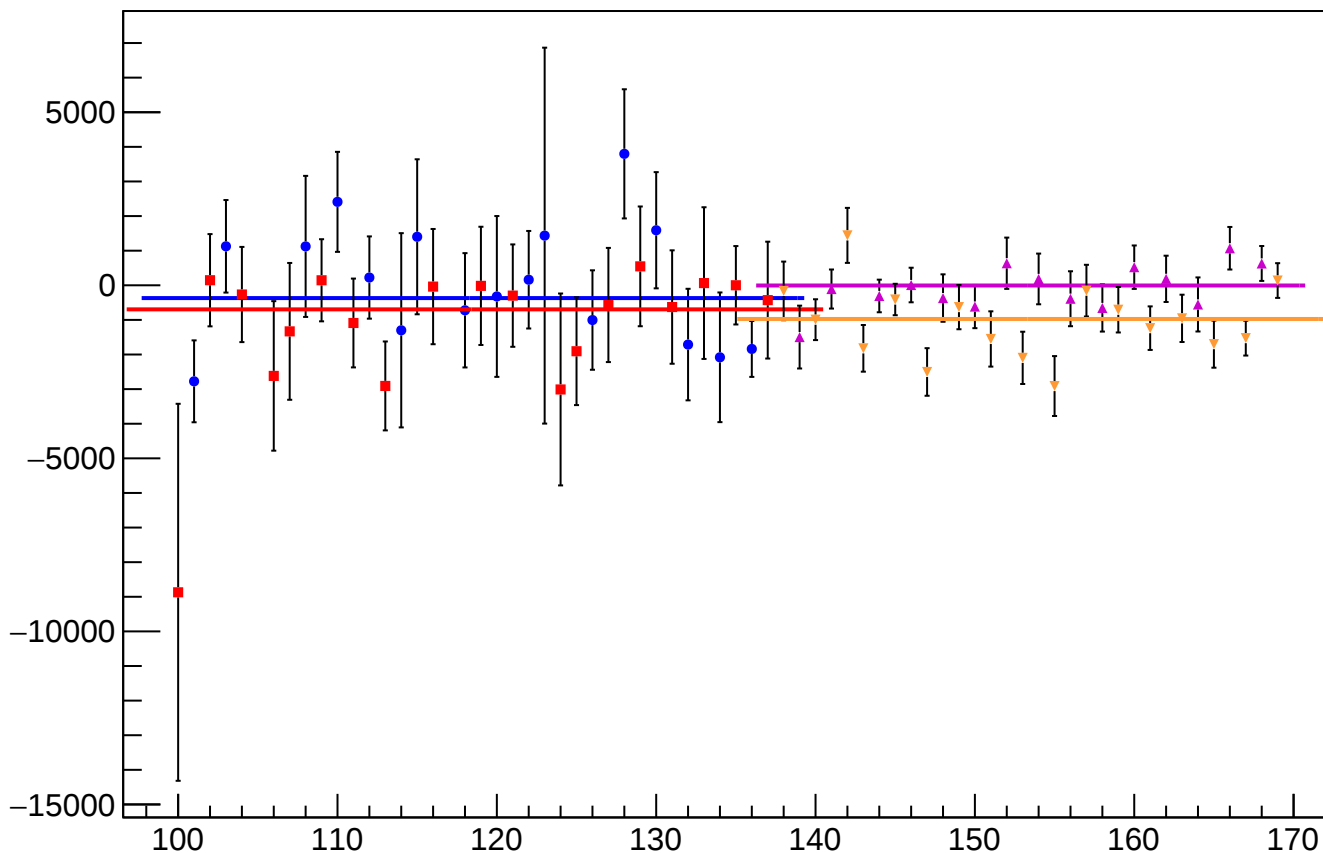
Left In: 61.263 ± 0.013 χ^2/NDF : 171003.5/14

+ sign 62.502 ± 0.010 χ^2/NDF : 675972.4/33

All: 62.864 ± 0.007 χ^2/NDF : 1318334.7/67

- sign 63.248 ± 0.010 χ^2/NDF : 639755.0/33

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 $\pm$ 366.432 χ^2/NDF : 22.3/16

Left Out: -972.828 $\pm$ 156.229 χ^2/NDF : 35.1/16

Right Out: -695.425 $\pm$ 361.887 χ^2/NDF : 9.9/18

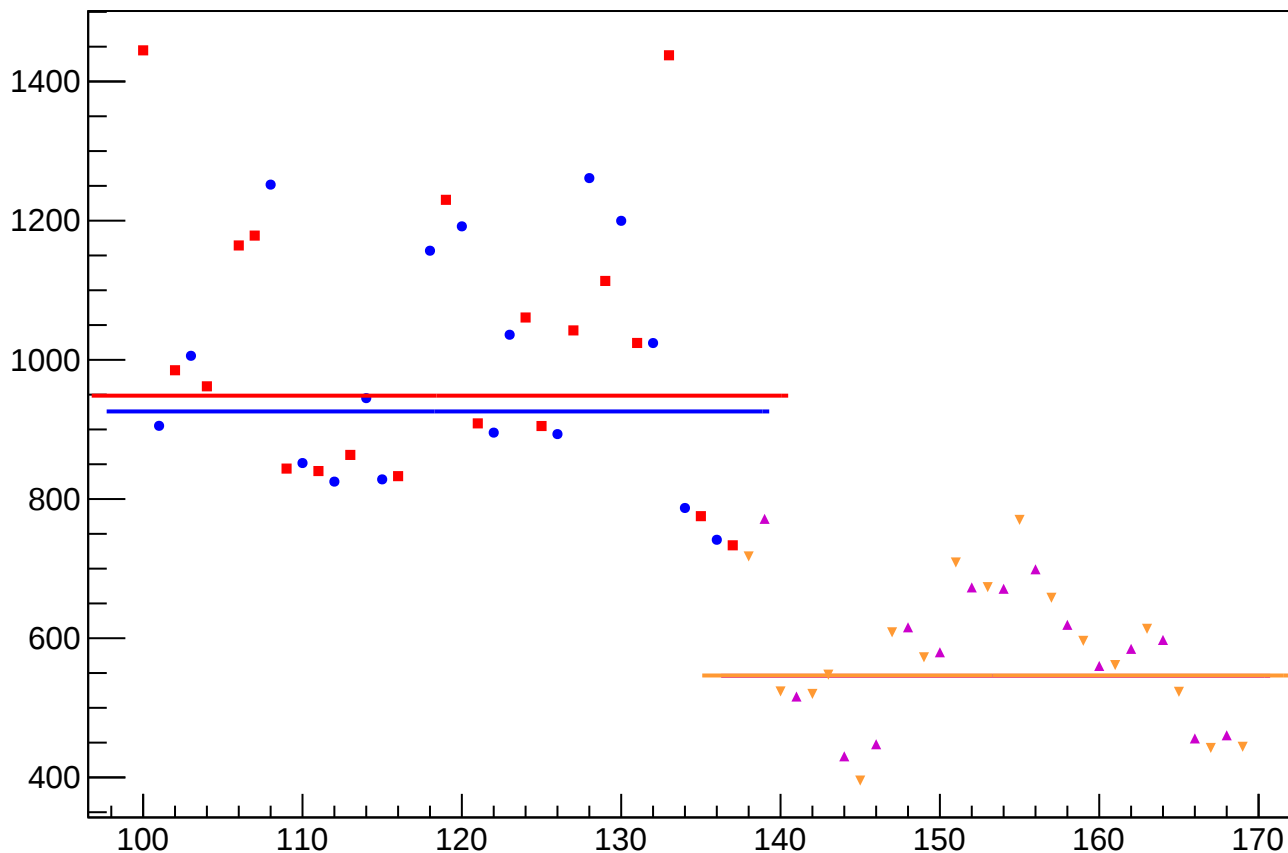
Left In: -6.238 $\pm$ 162.267 χ^2/NDF : 12.3/14

+ sign -880.034 $\pm$ 143.713 χ^2/NDF : 59.6/33

All: -512.128 $\pm$ 103.124 χ^2/NDF : 98.4/67

- sign -121.607 $\pm$ 148.064 χ^2/NDF : 25.2/33

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 546.461 $\pm$ 0.110 χ^2 /NDF: 848192.0/16

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

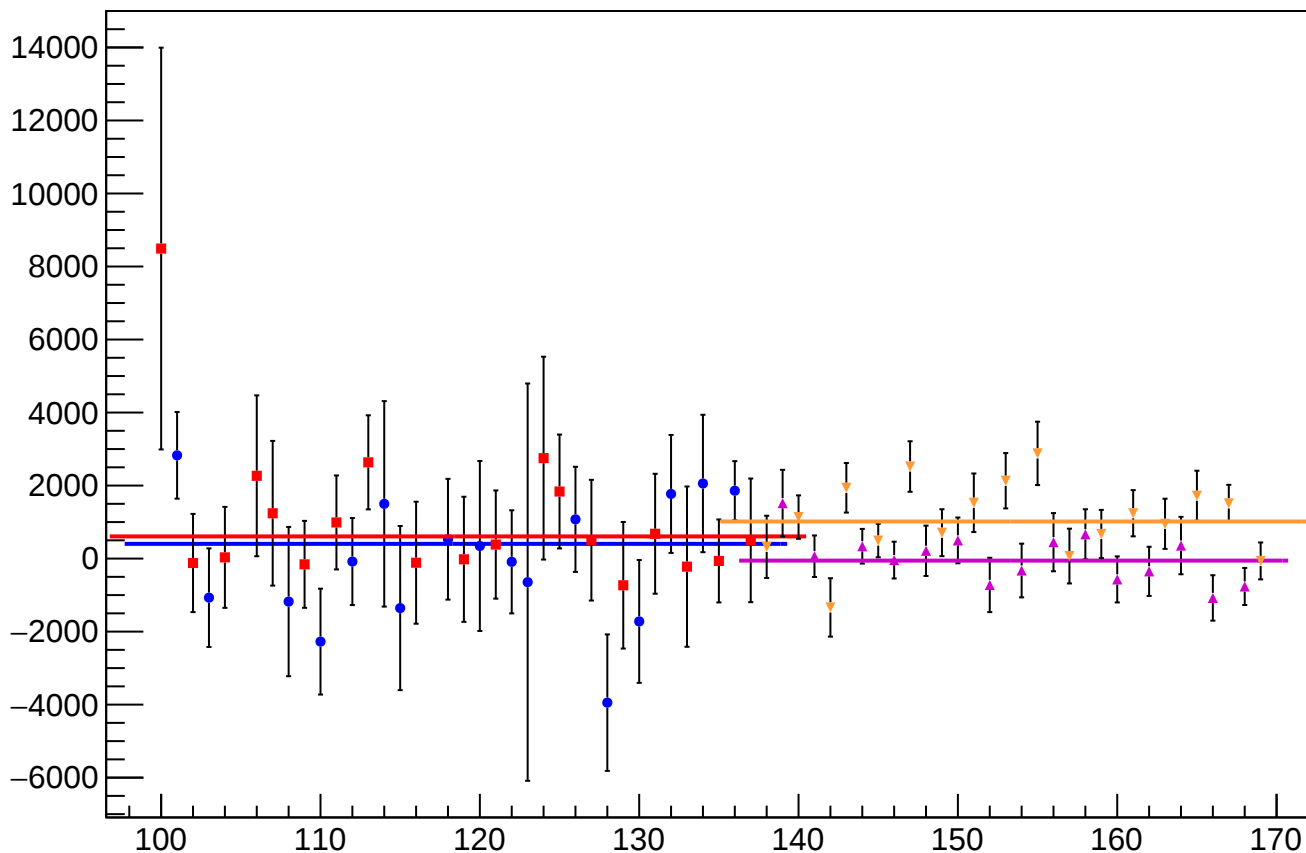
Left In: 545.946 $\pm$ 0.115 χ^2 /NDF: 684979.2/14

+ sign 604.823 $\pm$ 0.102 χ^2 /NDF: 3053769.7/33

All: 608.955 $\pm$ 0.073 χ^2 /NDF: 6185112.4/67

- sign 613.342 $\pm$ 0.105 χ^2 /NDF: 3127933.6/33

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 1015.851+/-157.293 χ^2/NDF :33.2/16

Right Out: 607.276+/-363.327 χ^2/NDF : 8.8/18

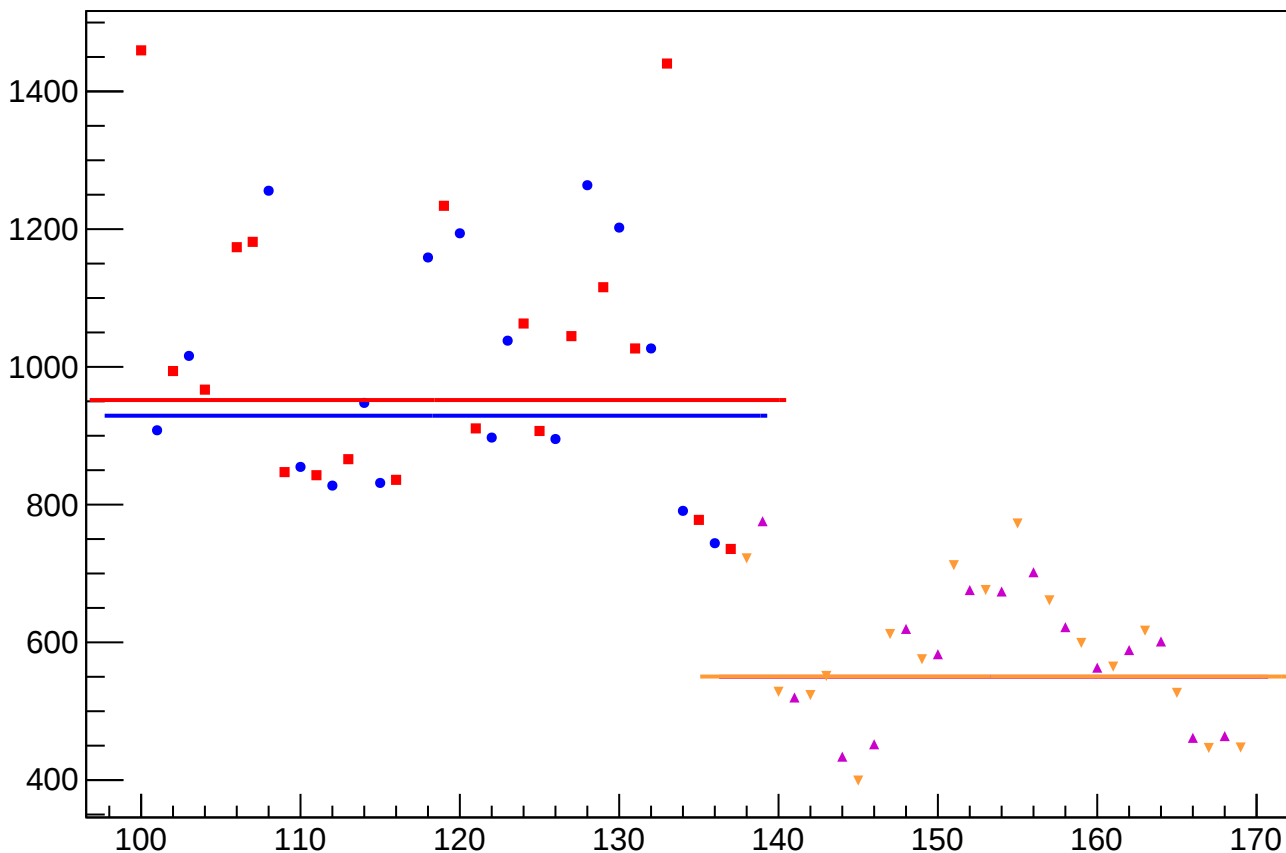
Left In: -55.765+/-163.394 χ^2/NDF :12.9/14

+ sign 921.137+/-144.615 χ^2/NDF : 58.0/33

All: 501.427+/-103.780 χ^2/NDF : 99.8/67

- sign 55.773+/-149.018 χ^2/NDF : 24.4/33

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 550.358+/-0.111 χ^2/NDF : 832367.7/16

Right Out: 951.847+/-0.257 χ^2/NDF : 382219.3/18

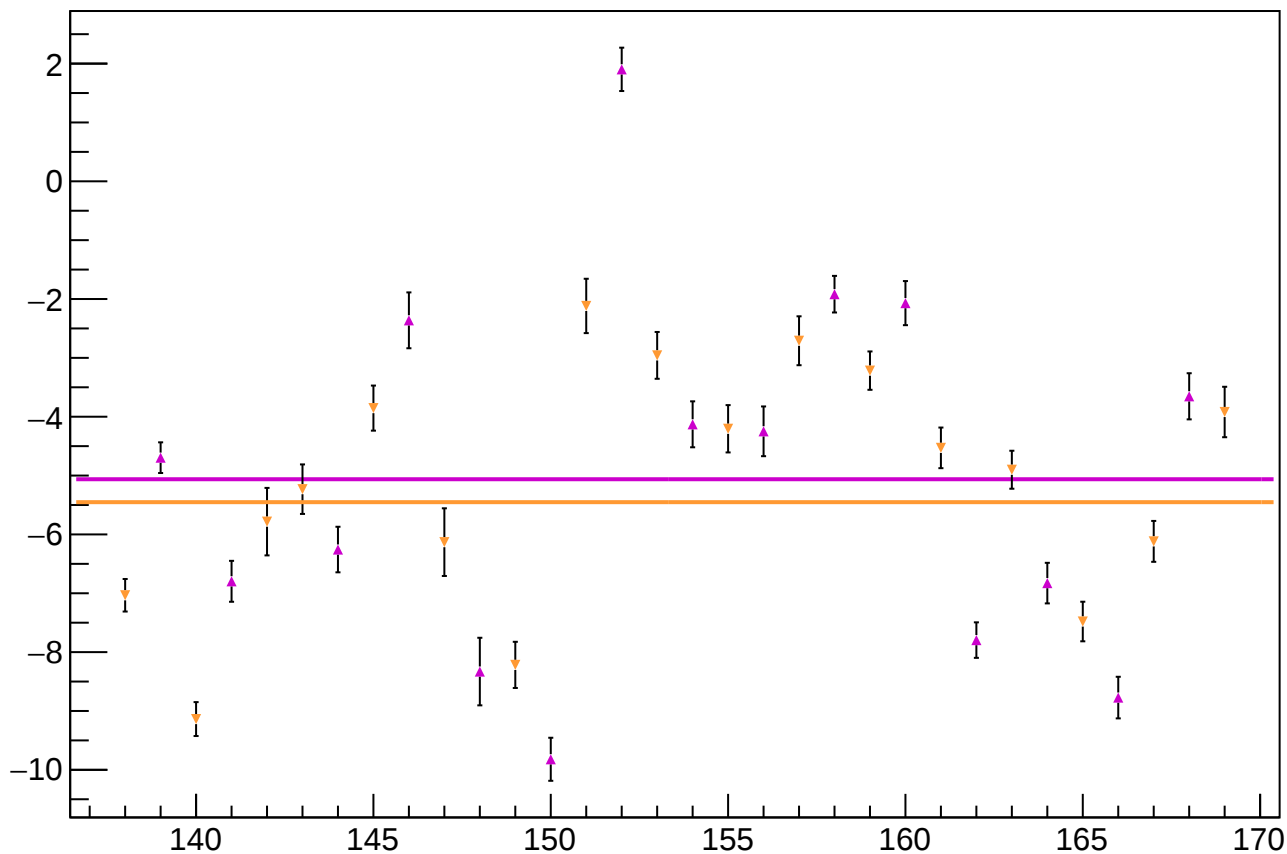
Left In: 549.911+/-0.116 χ^2/NDF : 671367.6/14

+ sign 608.947+/-0.102 χ^2/NDF : 3016433.2/33

All: 613.108+/-0.073 χ^2/NDF : 6109327.7/67

- sign 617.525+/-0.105 χ^2/NDF : 3089481.9/33

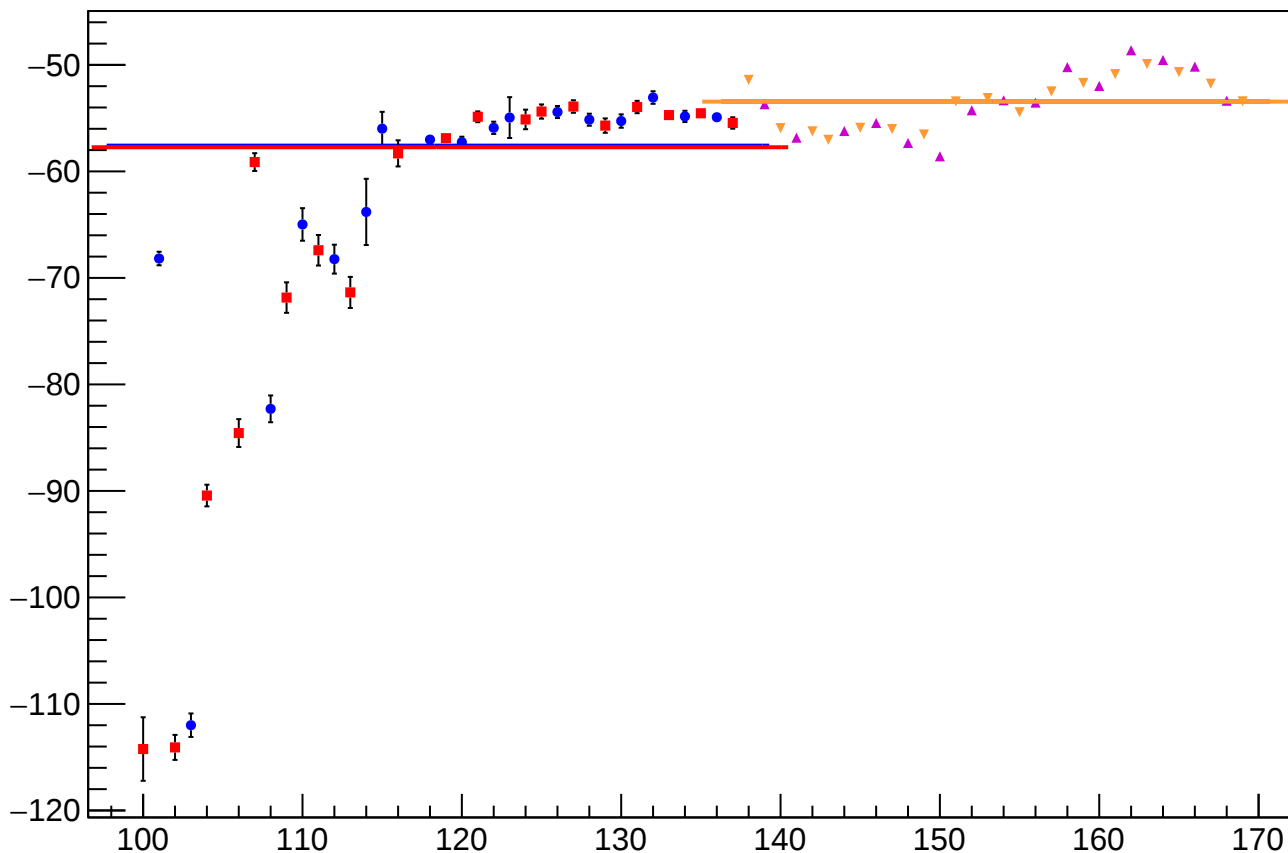
reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -5.452+/-0.090 χ^2/NDF : 520.0/16
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -5.062+/-0.093 χ^2/NDF : 1034.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: -5.263+/-0.065 χ^2/NDF : 1563.8/31
- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -53.450 ± 0.067 χ^2/NDF : 1168.2/16

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

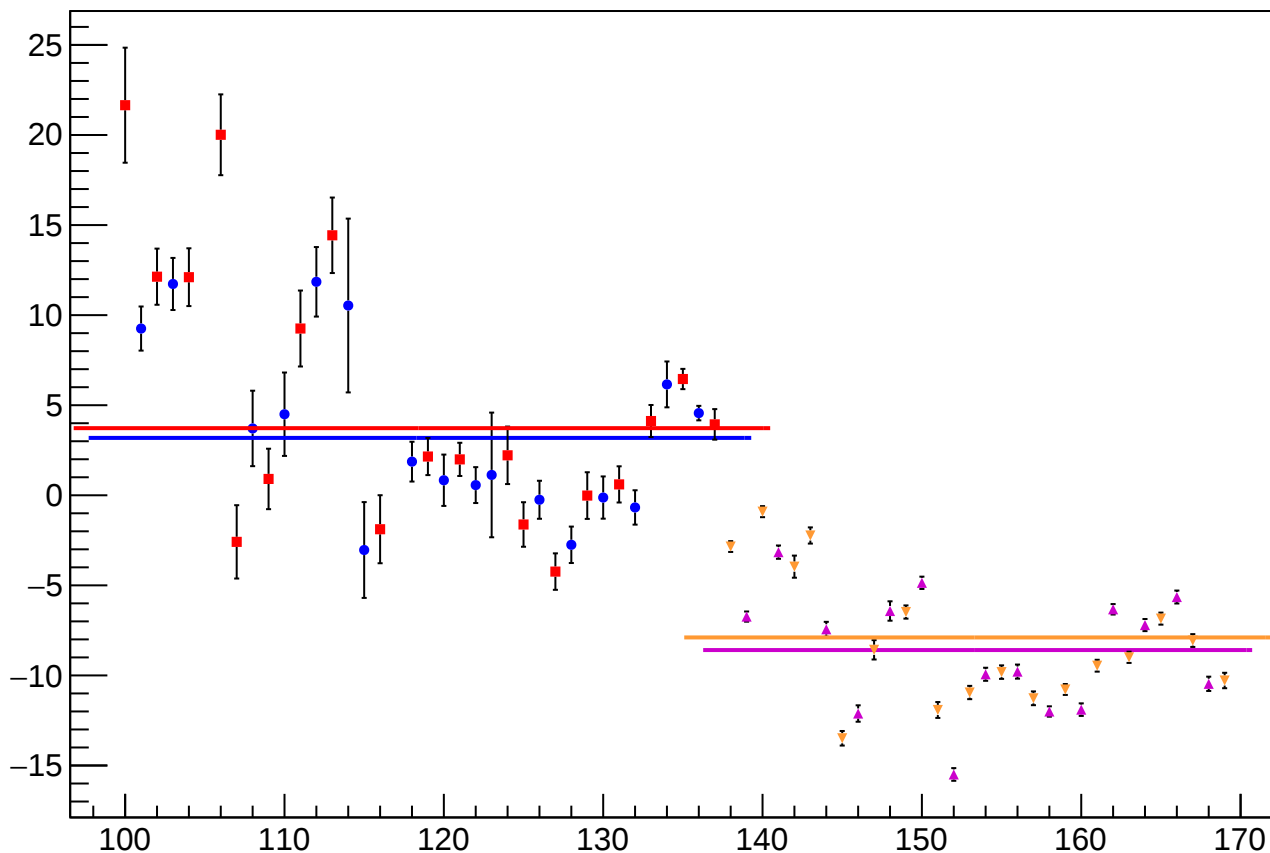
Left In: -53.437 ± 0.071 χ^2/NDF : 1880.7/14

+ sign -54.201 ± 0.061 χ^2/NDF : 5306.0/33

All: -54.246 ± 0.044 χ^2/NDF : 12608.6/67

- sign -54.296 ± 0.064 χ^2/NDF : 7301.4/33

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.891 ± 0.089 χ^2/NDF : 1631.8/16

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

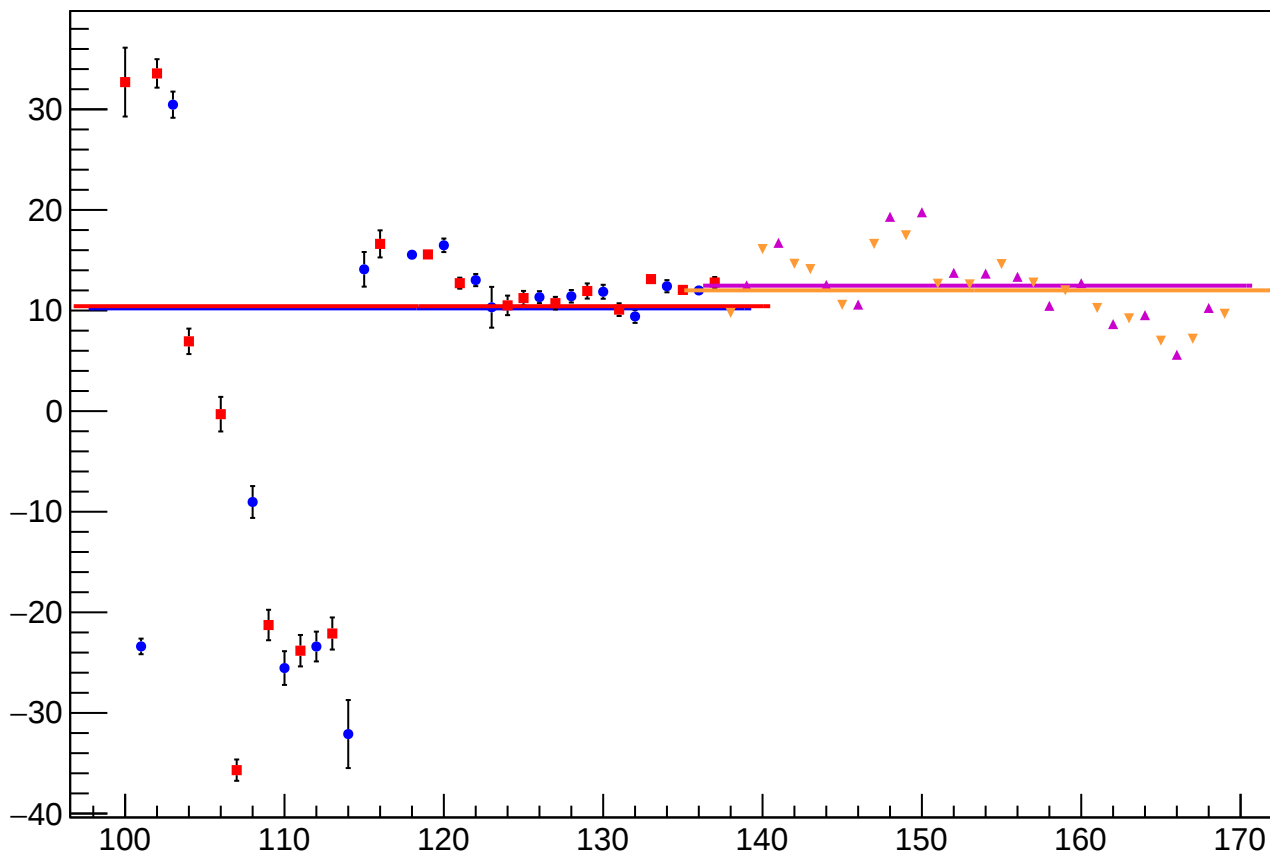
Left In: -8.592 ± 0.091 χ^2/NDF : 1267.4/14

+ sign -6.716 ± 0.084 χ^2/NDF : 3452.5/33

All: -7.003 ± 0.060 χ^2/NDF : 6966.2/67

- sign -7.305 ± 0.086 χ^2/NDF : 3489.9/33

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 12.006 $\pm$ 0.077 χ^2 /NDF: 1558.1/16

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

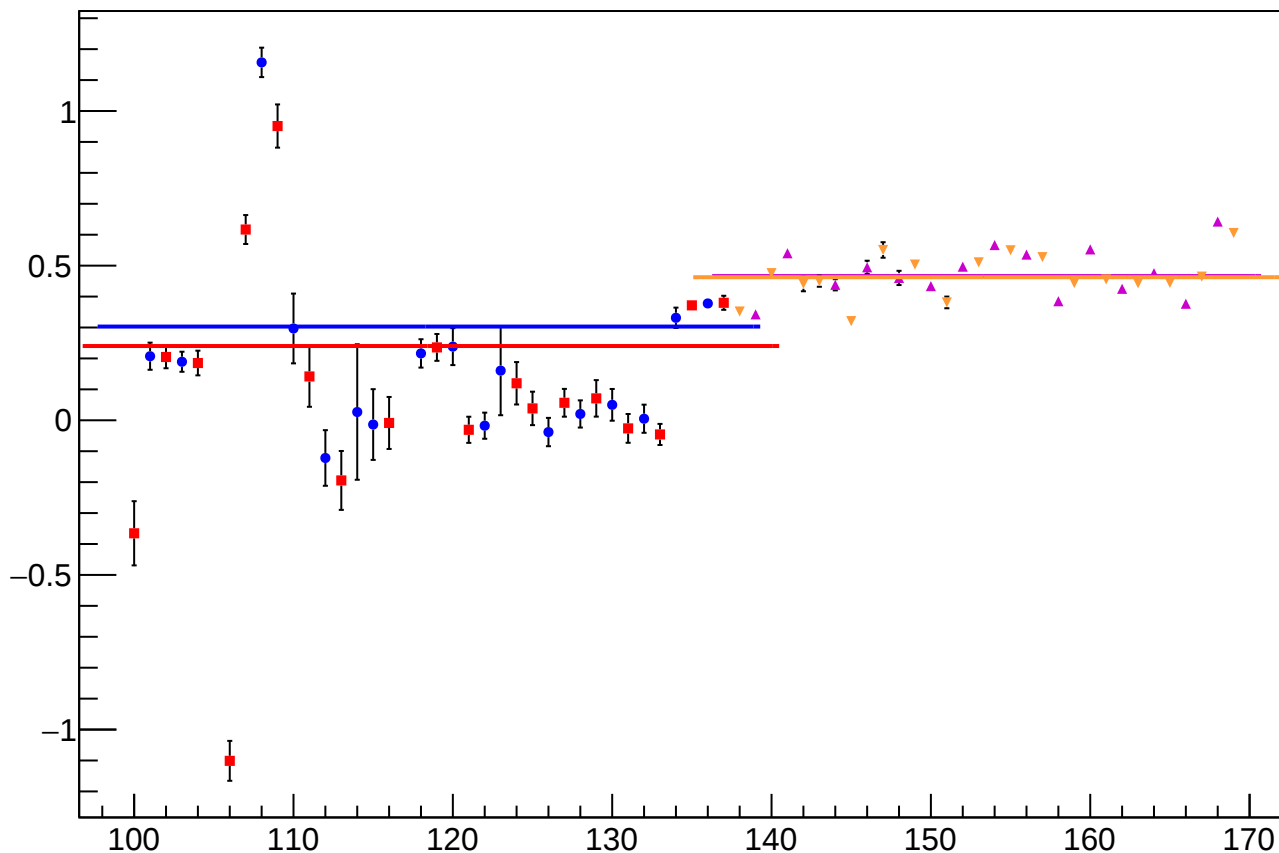
Left In: 12.472 $\pm$ 0.081 χ^2 /NDF: 2039.2/14

+ sign 11.666 $\pm$ 0.069 χ^2 /NDF: 5354.7/33

All: 11.854 $\pm$ 0.050 χ^2 /NDF: 11366.5/67

- sign 12.059 $\pm$ 0.072 χ^2 /NDF: 5996.1/33

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.463 ± 0.003 χ^2/NDF : 385.6/16

Right Out: 0.240 ± 0.009 χ^2/NDF : 984.4/18

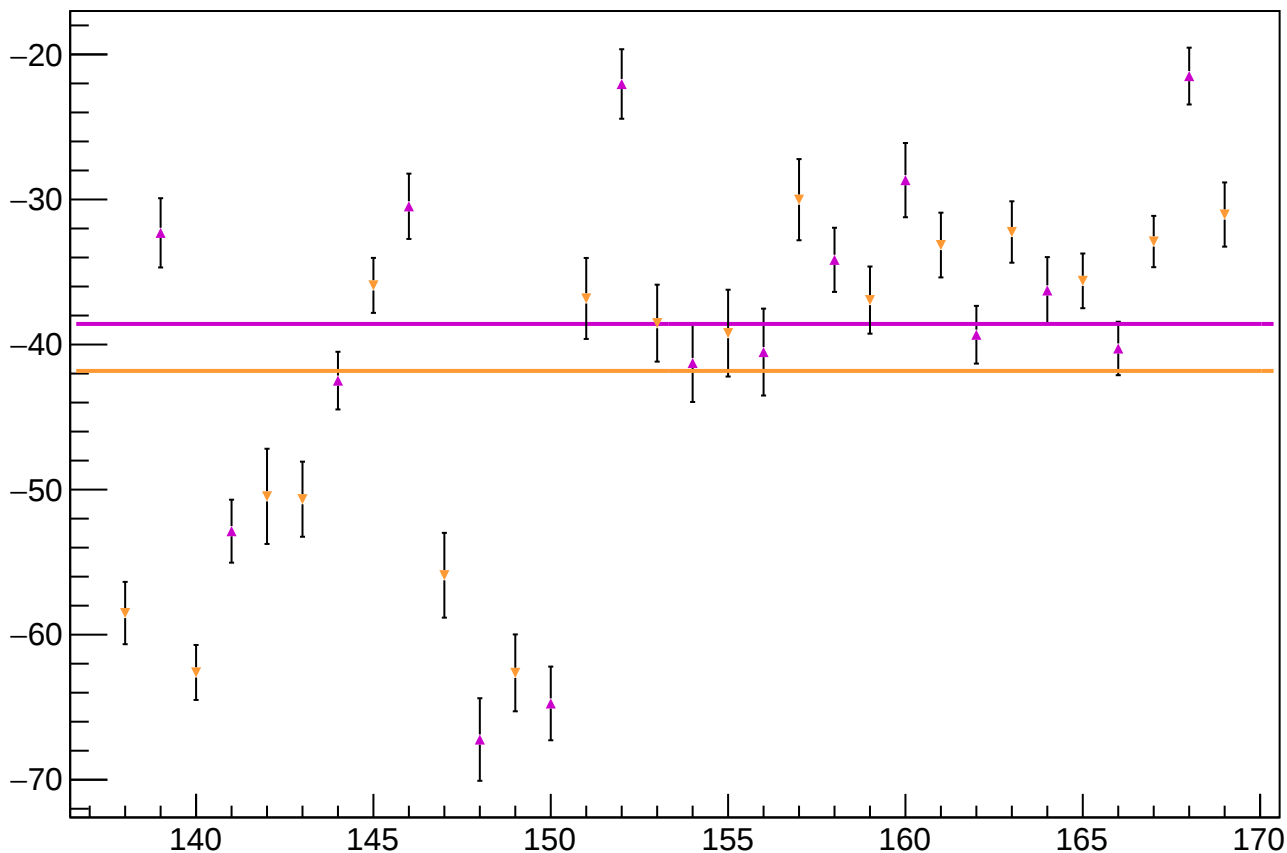
Left In: 0.466 ± 0.004 χ^2/NDF : 576.7/14

+ sign 0.439 ± 0.003 χ^2/NDF : 1352.2/33

All: 0.436 ± 0.002 χ^2/NDF : 3515.5/67

- sign 0.433 ± 0.003 χ^2/NDF : 2161.9/33

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -41.818 ± 0.559 χ^2/NDF : $417.2/16$

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

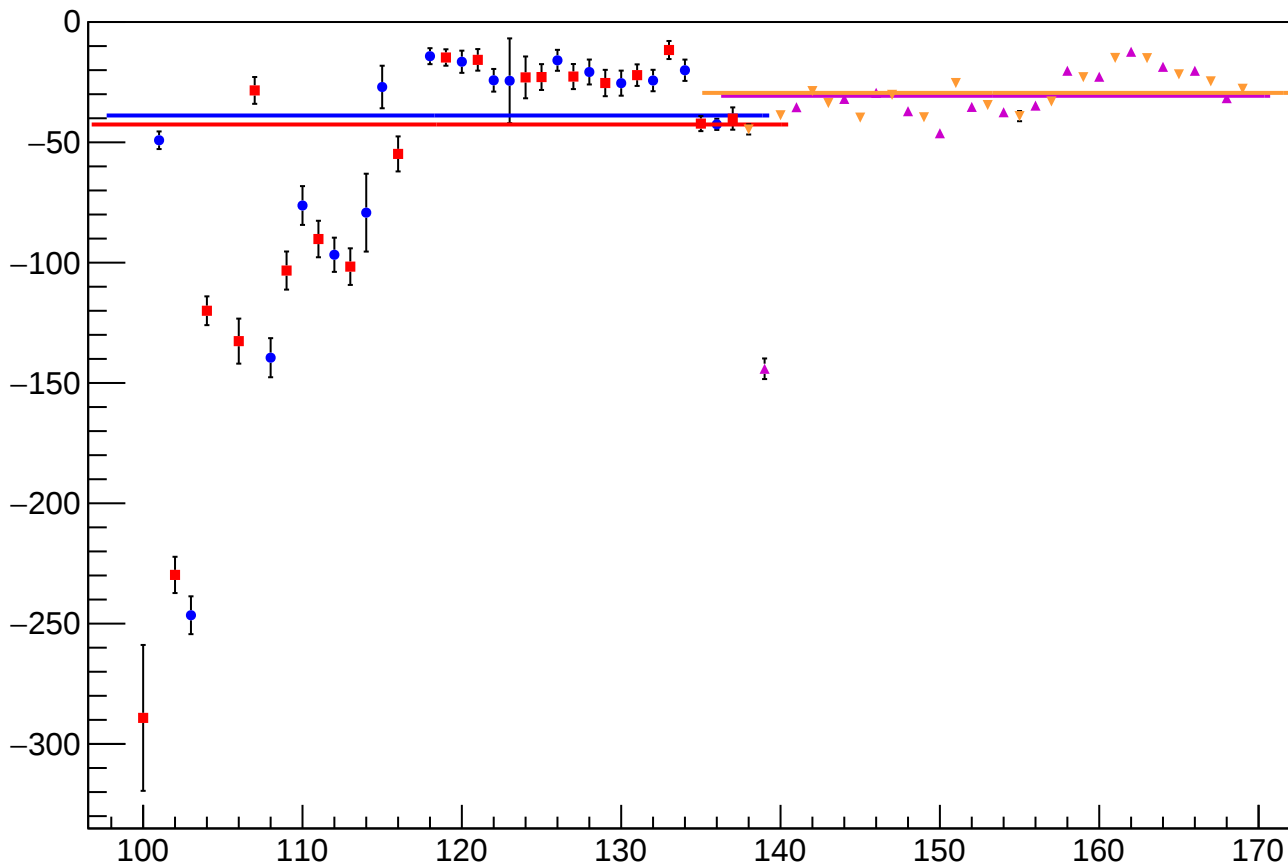
Left In: -38.579 ± 0.588 χ^2/NDF : $420.7/14$

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

All: -40.279 ± 0.405 χ^2/NDF : $853.9/31$

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

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -29.453 ± 0.406 $\chi^2/\text{NDF}: 431.2/16$

Right Out: -42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

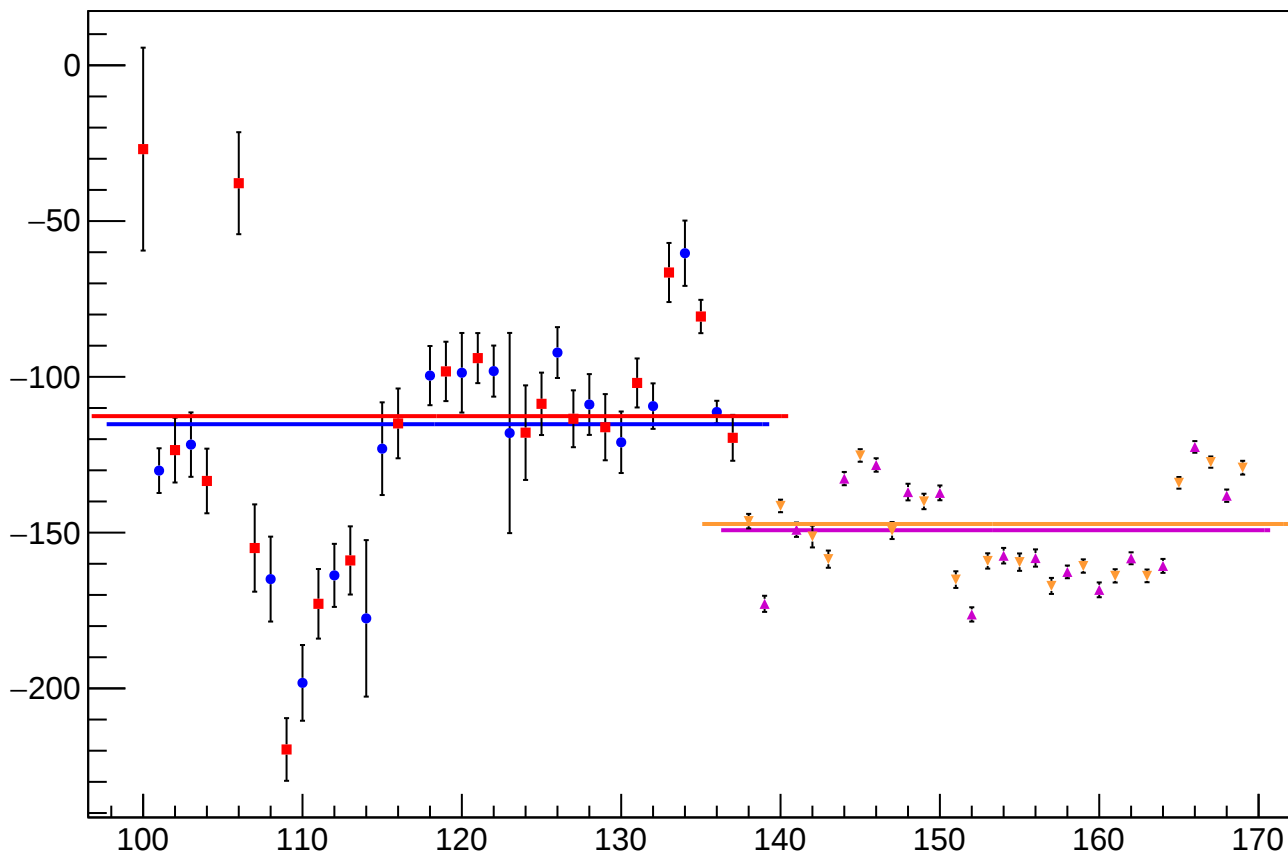
Left In: -30.658 ± 0.431 $\chi^2/\text{NDF}: 1122.1/14$

+ sign -30.498 ± 0.383 $\chi^2/\text{NDF}: 1612.6/33$

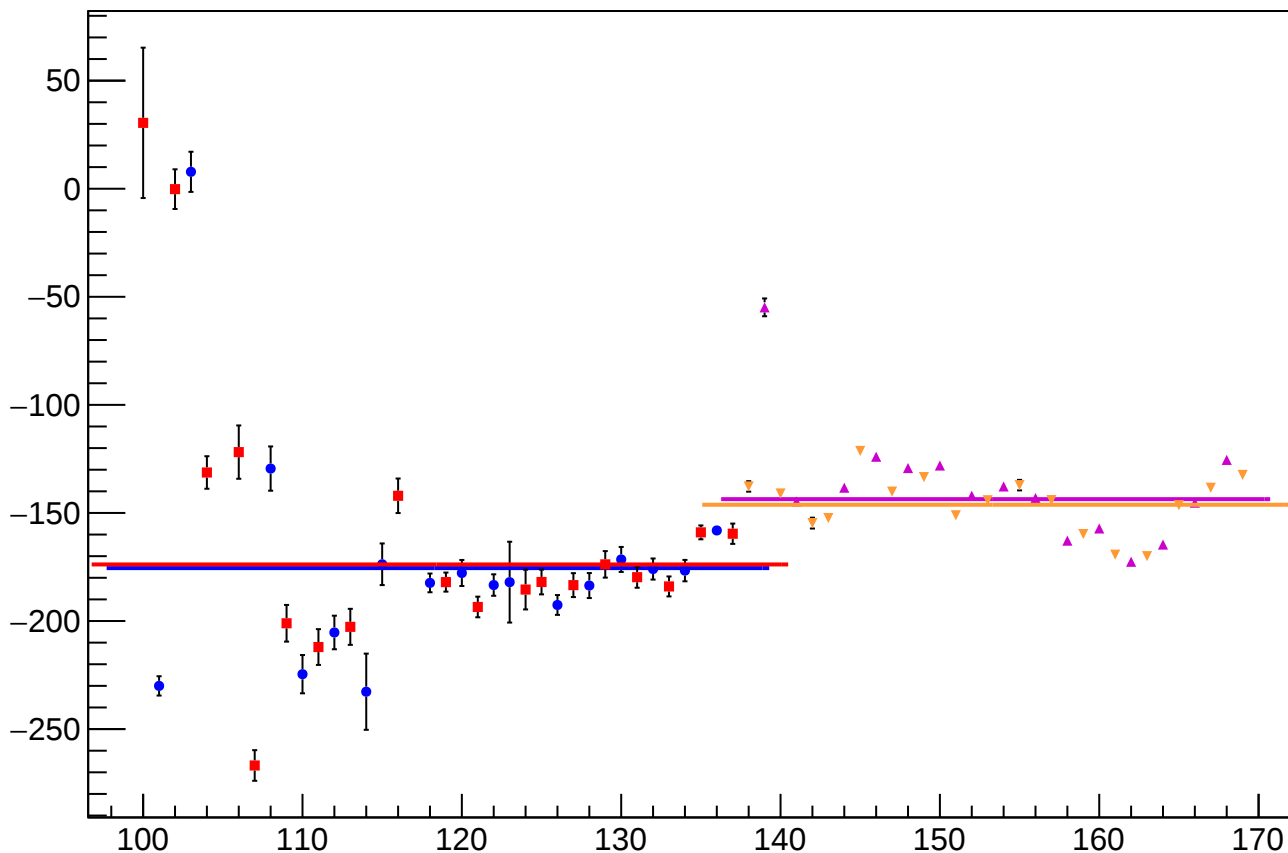
All: -31.206 ± 0.279 $\chi^2/\text{NDF}: 4173.8/67$

- sign -32.003 ± 0.406 $\chi^2/\text{NDF}: 2554.0/33$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 $\chi^2/\text{NDF}: 692.3/16$

Left Out: -146.207 ± 0.467 $\chi^2/\text{NDF}: 848.0/16$

Right Out: -173.830 ± 1.357 $\chi^2/\text{NDF}: 737.9/18$

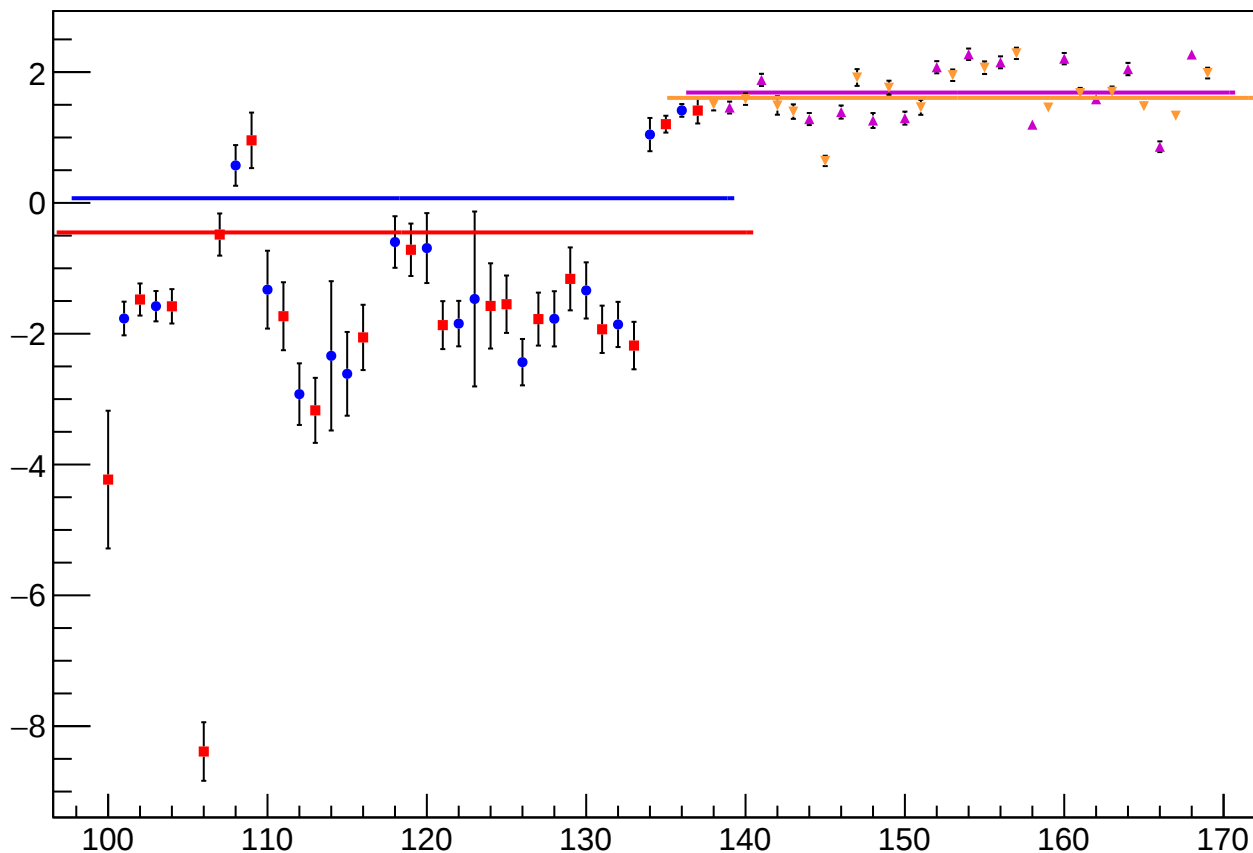
Left In: -143.617 ± 0.497 $\chi^2/\text{NDF}: 1425.7/14$

+ sign -149.668 ± 0.439 $\chi^2/\text{NDF}: 2005.0/33$

All: -148.503 ± 0.320 $\chi^2/\text{NDF}: 4620.9/67$

- sign -147.188 ± 0.466 $\chi^2/\text{NDF}: 2601.0/33$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.606 ± 0.022 χ^2/NDF : 307.1/16

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

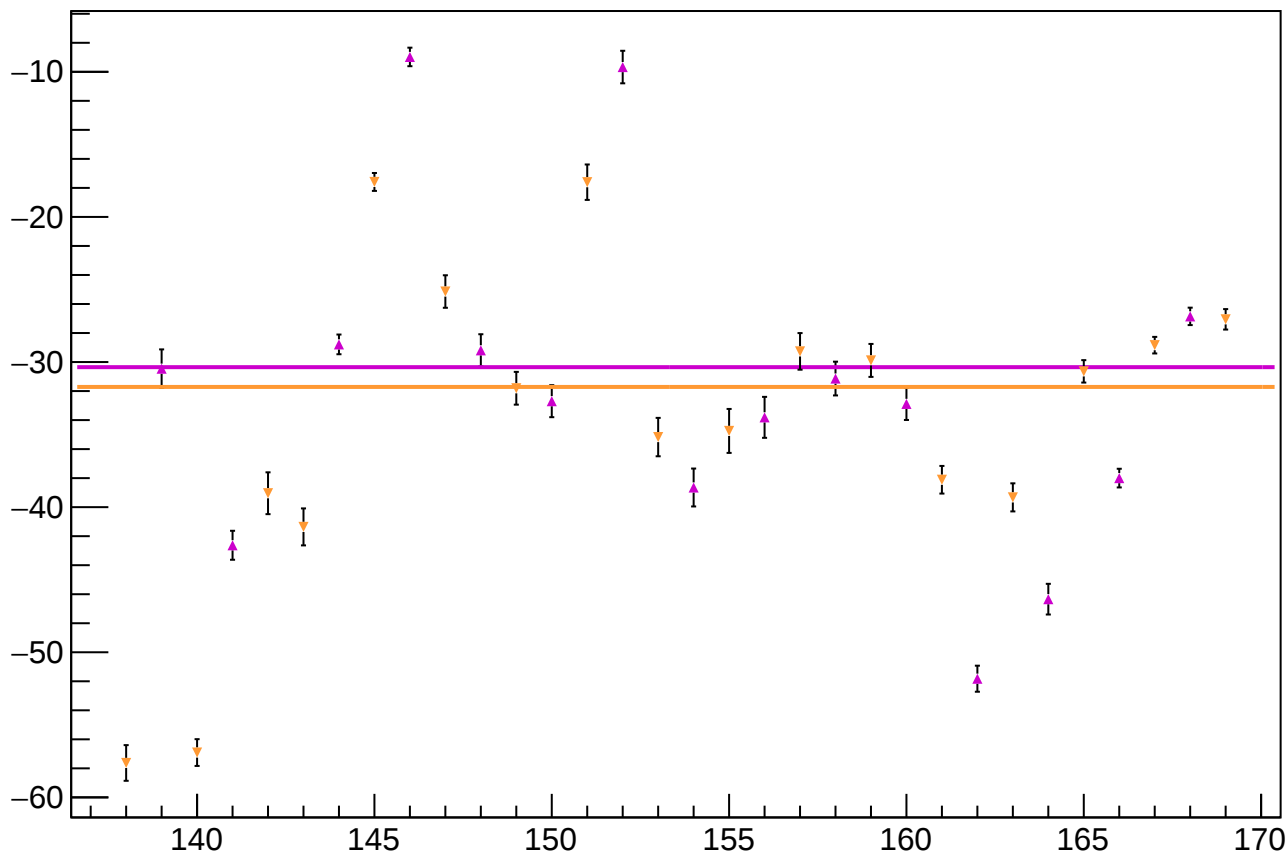
Left In: 1.687 ± 0.023 χ^2/NDF : 414.1/14

+ sign 1.460 ± 0.021 χ^2/NDF : 1304.6/33

All: 1.474 ± 0.015 χ^2/NDF : 3286.6/67

- sign 1.489 ± 0.022 χ^2/NDF : 1981.0/33

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -31.716+/-0.229 χ^2/NDF : 2160.2/16

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

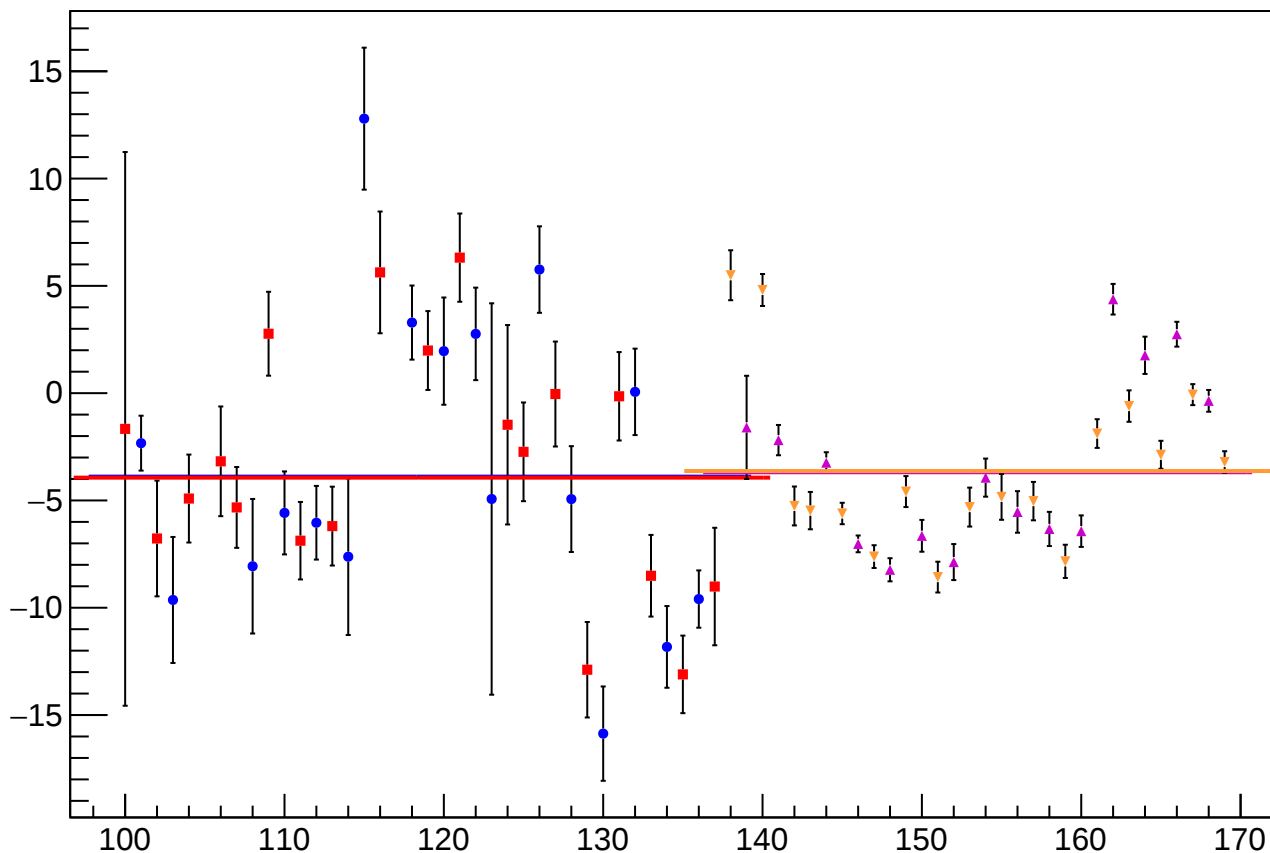
Left In: -30.353+/-0.232 χ^2/NDF : 2651.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.044+/-0.163 χ^2/NDF : 4828.9/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -3.630 ± 0.166 $\chi^2/\text{NDF}: 434.5/16$

Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

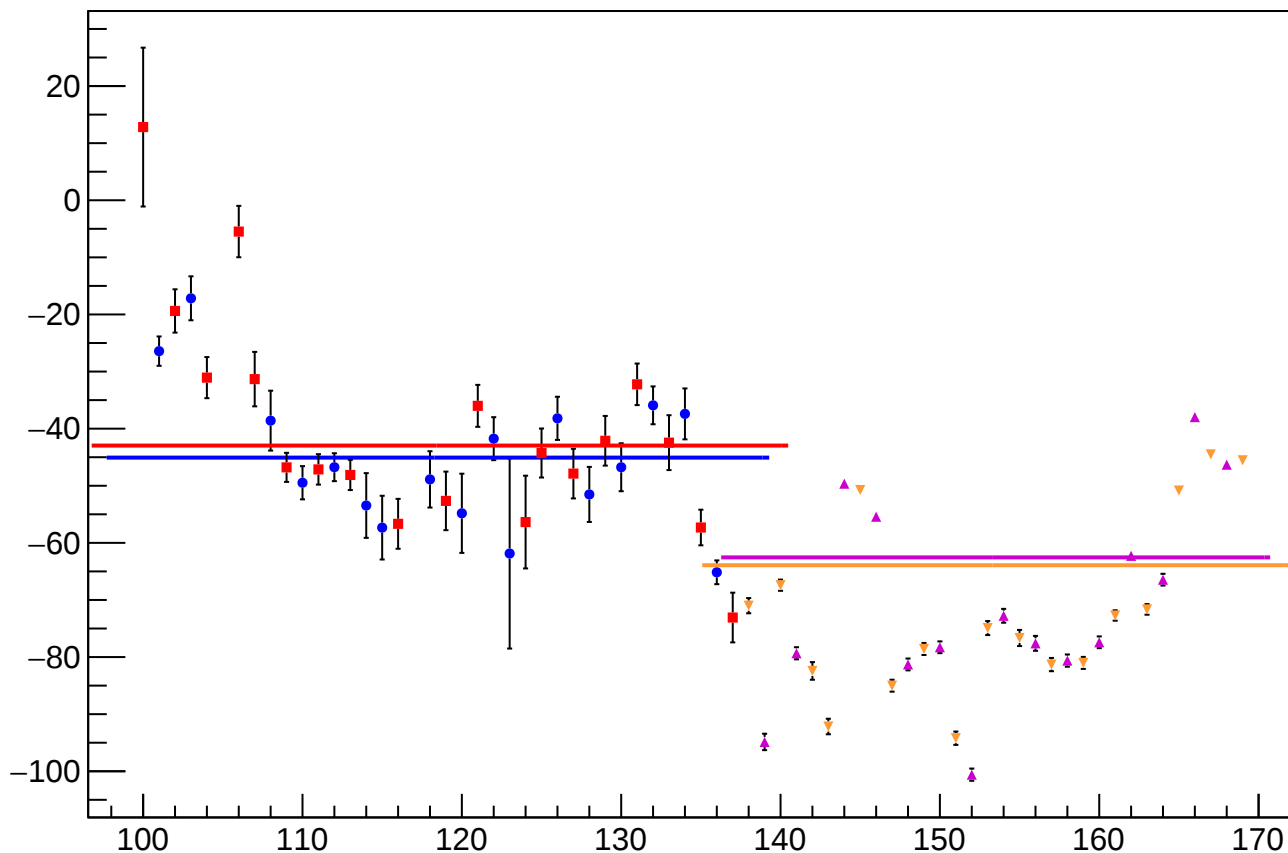
Left In: -3.686 ± 0.168 $\chi^2/\text{NDF}: 553.2/14$

+ sign -3.656 ± 0.158 $\chi^2/\text{NDF}: 595.2/33$

All: -3.683 ± 0.112 $\chi^2/\text{NDF}: 1270.8/67$

- sign -3.710 ± 0.159 $\chi^2/\text{NDF}: 675.6/33$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -63.917 ± 0.228 χ^2/NDF : 5177.4/16

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

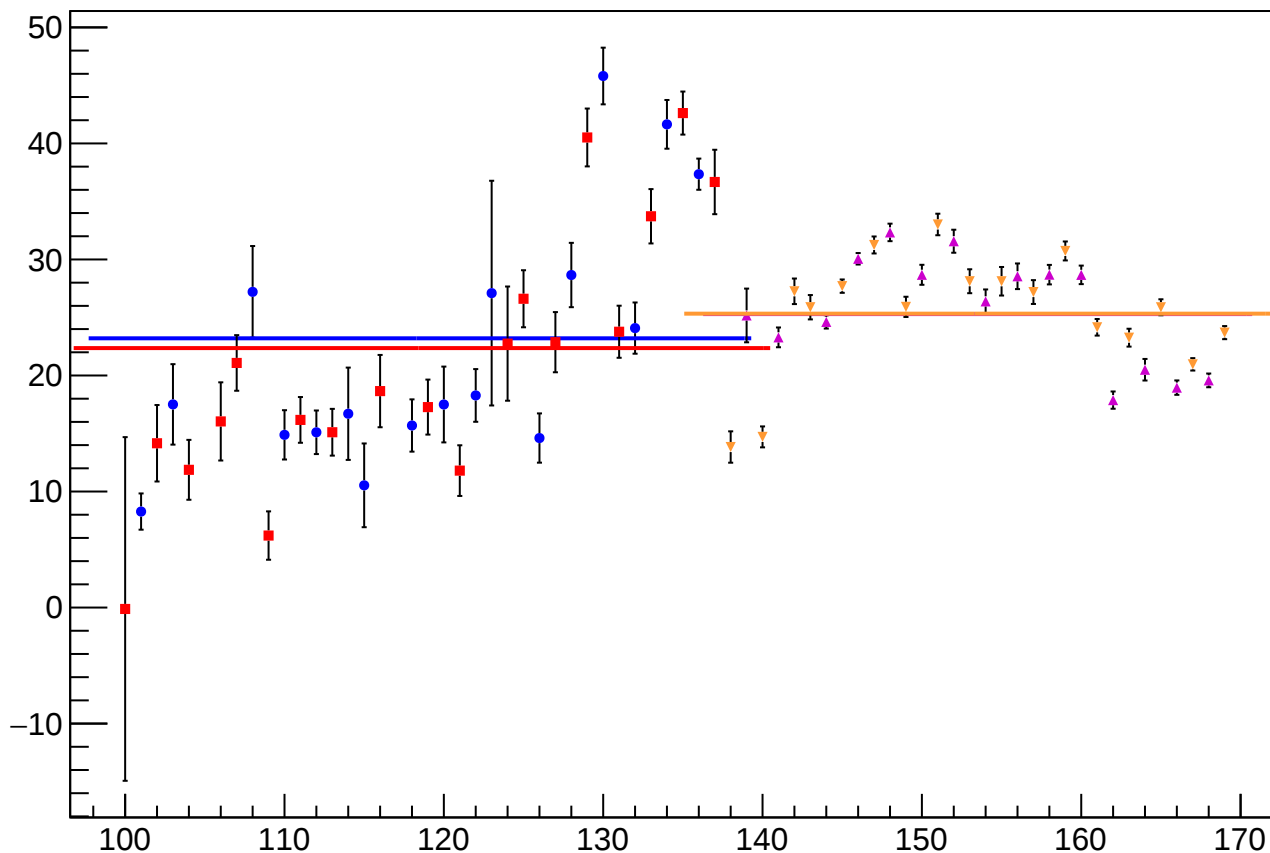
Left In: -62.546 ± 0.229 χ^2/NDF : 5849.2/14

+ sign -62.739 ± 0.221 χ^2/NDF : 5833.9/33

All: -62.021 ± 0.156 χ^2/NDF : 12418.8/67

- sign -61.296 ± 0.222 χ^2/NDF : 6563.6/33

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2/NDF : 457.3/16

Left Out: 25.328 $\pm$ 0.191 χ^2/NDF :510.5/16

Right Out: 22.361 $\pm$ 0.573 χ^2/NDF : 366.9/18

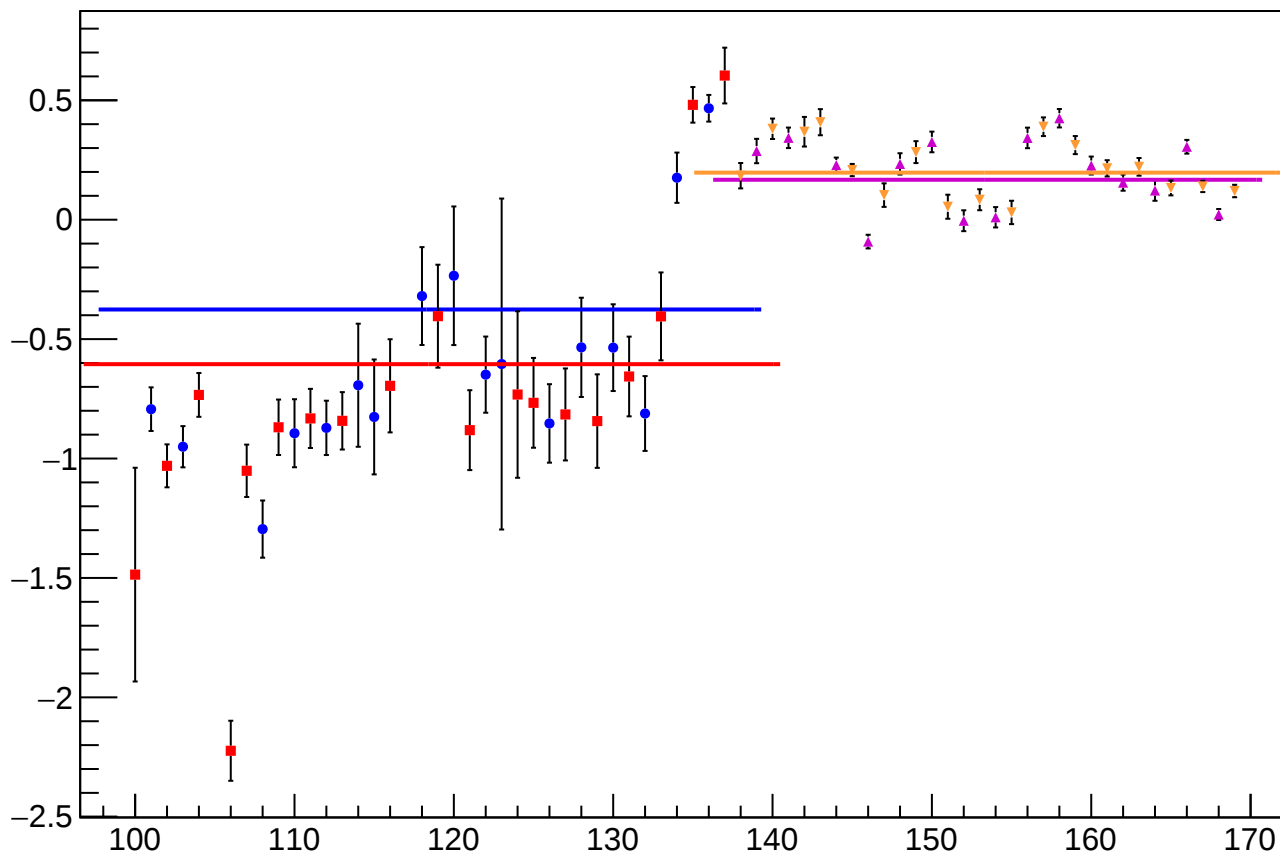
Left In: 25.292 $\pm$ 0.196 χ^2/NDF :610.2/14

+ sign 25.105 $\pm$ 0.181 χ^2/NDF : 980.7/33

All: 25.046 $\pm$ 0.130 χ^2/NDF : 1981.5/67

- sign 24.984 $\pm$ 0.186 χ^2/NDF : 1000.5/33

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.197 ± 0.009 $\chi^2/\text{NDF}: 127.8/16$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

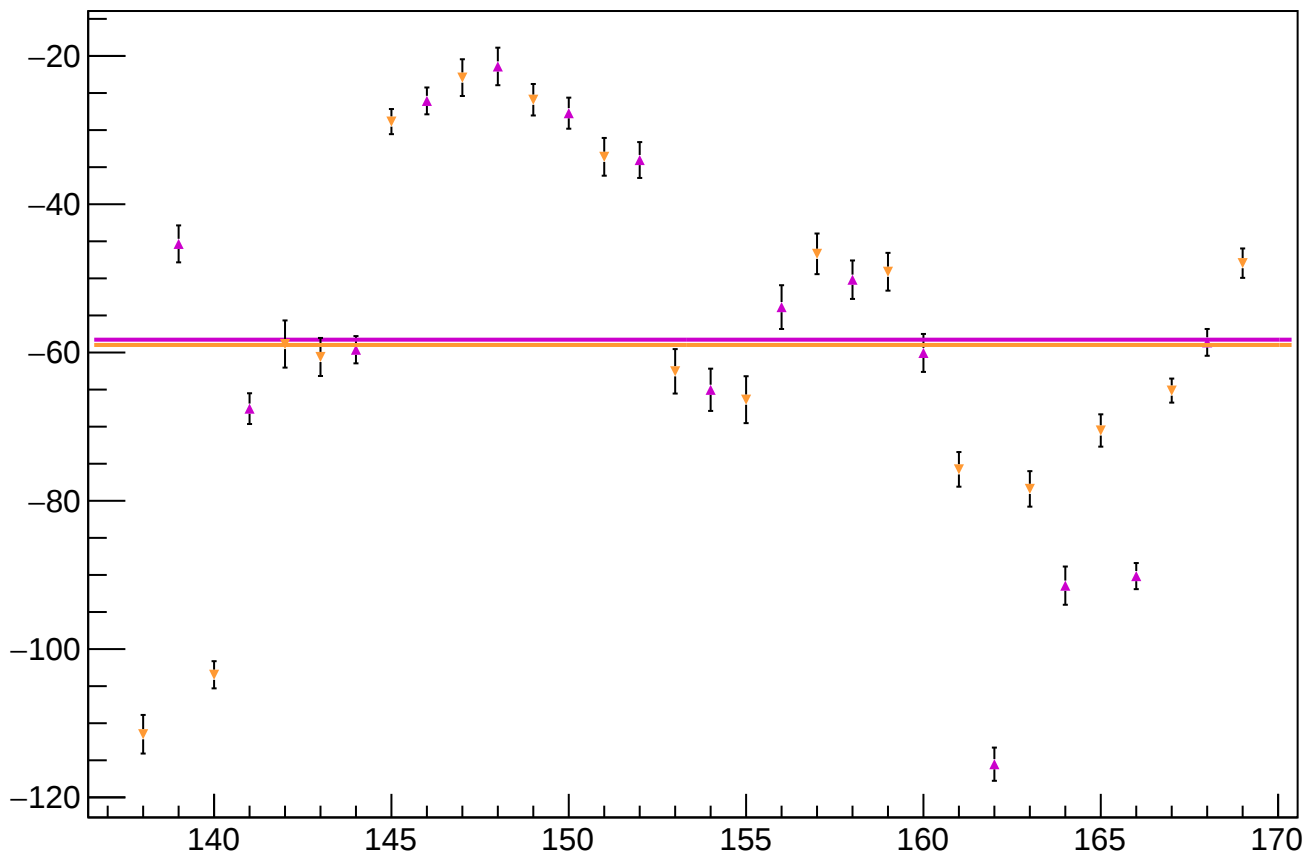
Left In: 0.167 ± 0.009 $\chi^2/\text{NDF}: 280.3/14$

+ sign 0.151 ± 0.009 $\chi^2/\text{NDF}: 897.6/33$

All: 0.127 ± 0.006 $\chi^2/\text{NDF}: 2341.9/67$

- sign 0.101 ± 0.009 $\chi^2/\text{NDF}: 1428.2/33$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -58.982+/-0.552 χ^2/NDF : 2098.1/16

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

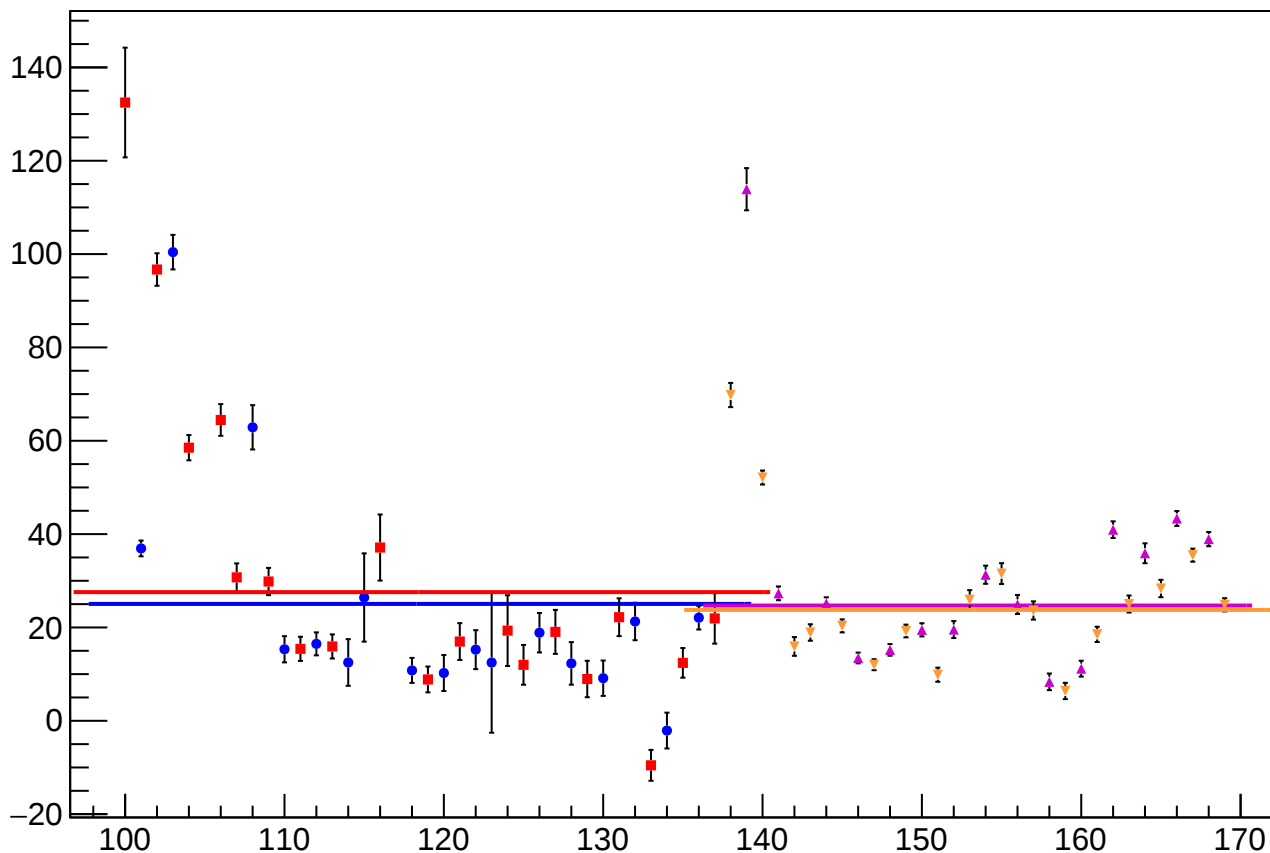
Left In: -58.267+/-0.571 χ^2/NDF : 2053.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -58.637+/-0.397 χ^2/NDF : 4152.8/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2/NDF : 686.4/16

Left Out: 23.758 $\pm$ 0.397 χ^2/NDF :1095.7/16

Right Out: 27.573 $\pm$ 0.810 χ^2/NDF : 1012.8/18

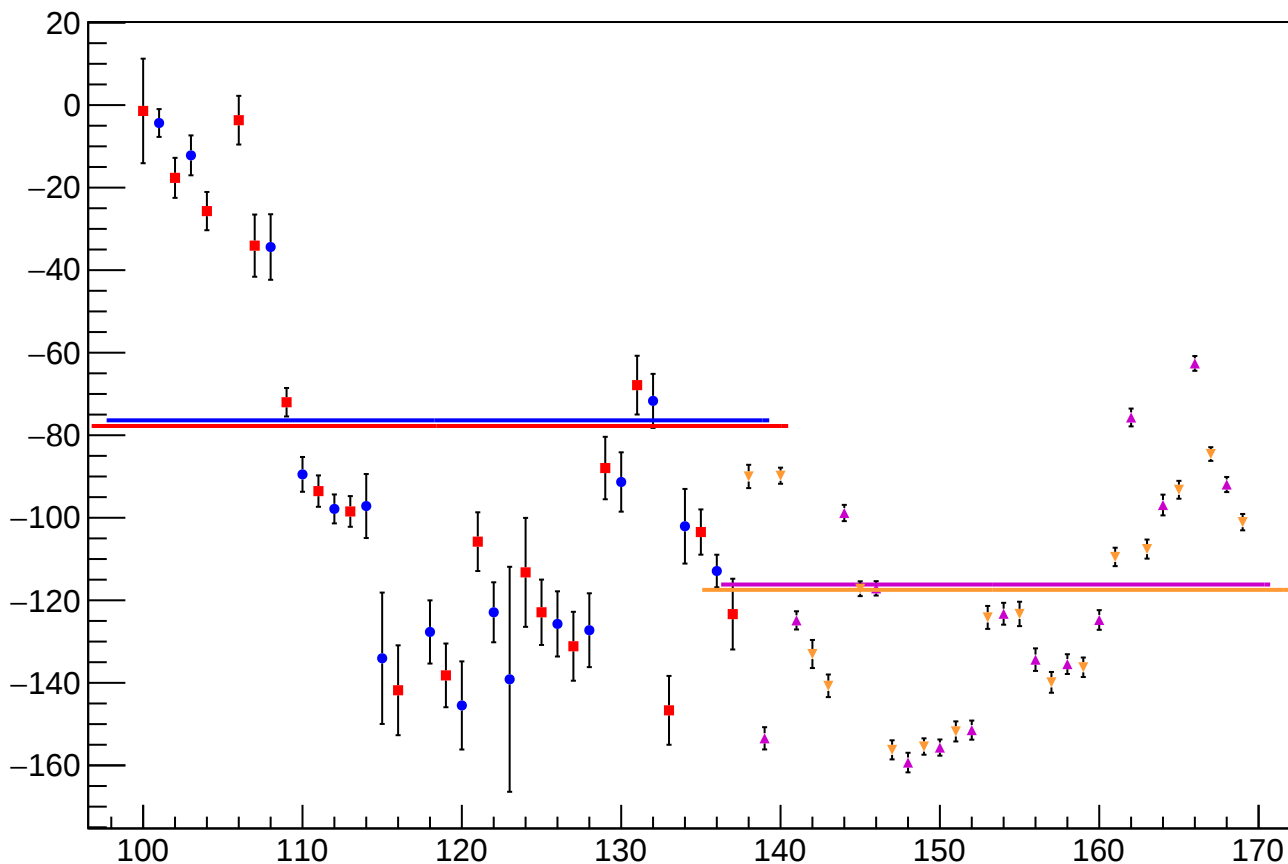
Left In: 24.696 $\pm$ 0.415 χ^2/NDF :1061.2/14

+ sign 24.009 $\pm$ 0.356 χ^2/NDF : 1784.2/33

All: 24.628 $\pm$ 0.256 χ^2/NDF : 3874.5/67

- sign 25.294 $\pm$ 0.369 χ^2/NDF : 2084.0/33

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -117.468 ± 0.548 $\chi^2/\text{NDF}: 2002.7/16$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

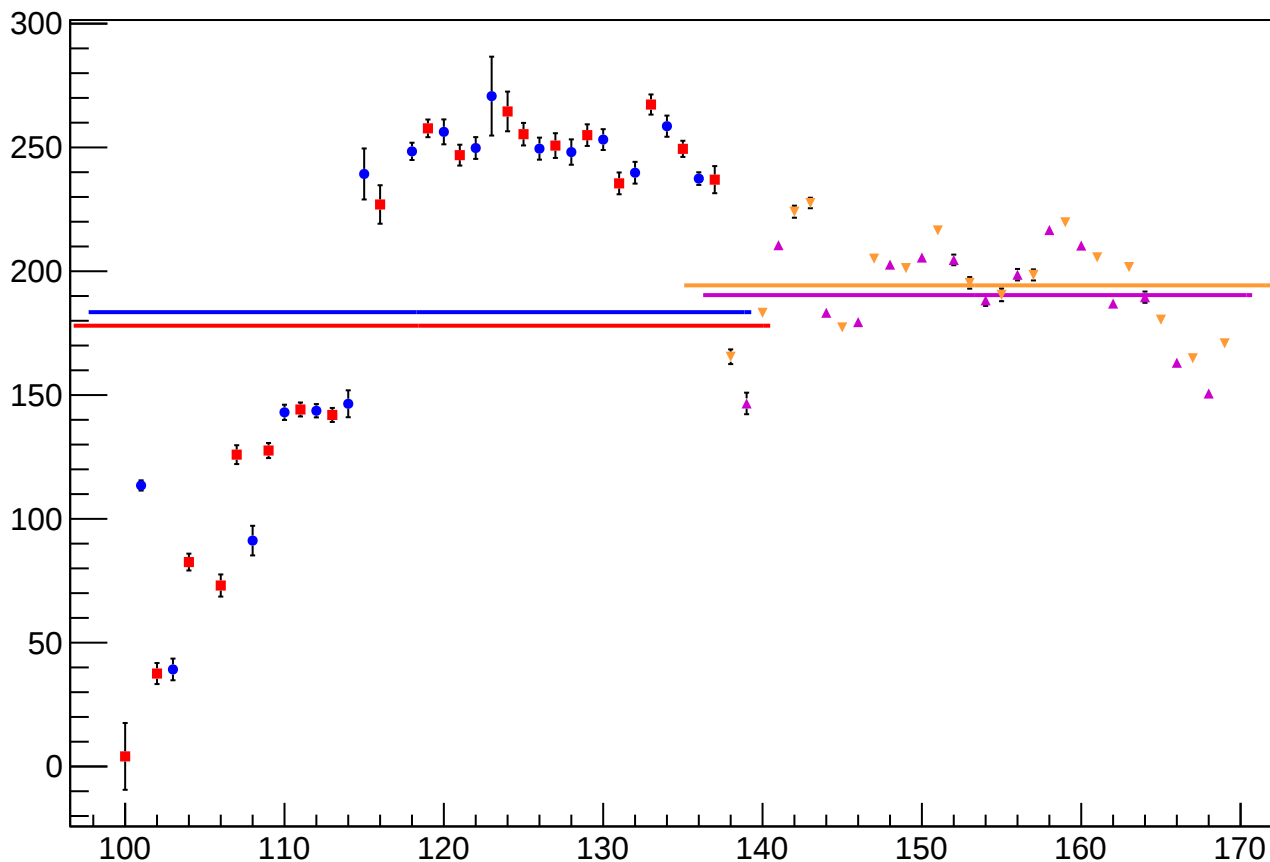
Left In: -116.174 ± 0.562 $\chi^2/\text{NDF}: 2861.0/14$

+ sign -112.114 ± 0.511 $\chi^2/\text{NDF}: 3766.2/33$

All: -111.328 ± 0.364 $\chi^2/\text{NDF}: 8192.2/67$

- sign -110.519 ± 0.519 $\chi^2/\text{NDF}: 4421.2/33$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 194.301 $\pm$ 0.460 χ^2 /NDF: 1724.8/16

Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

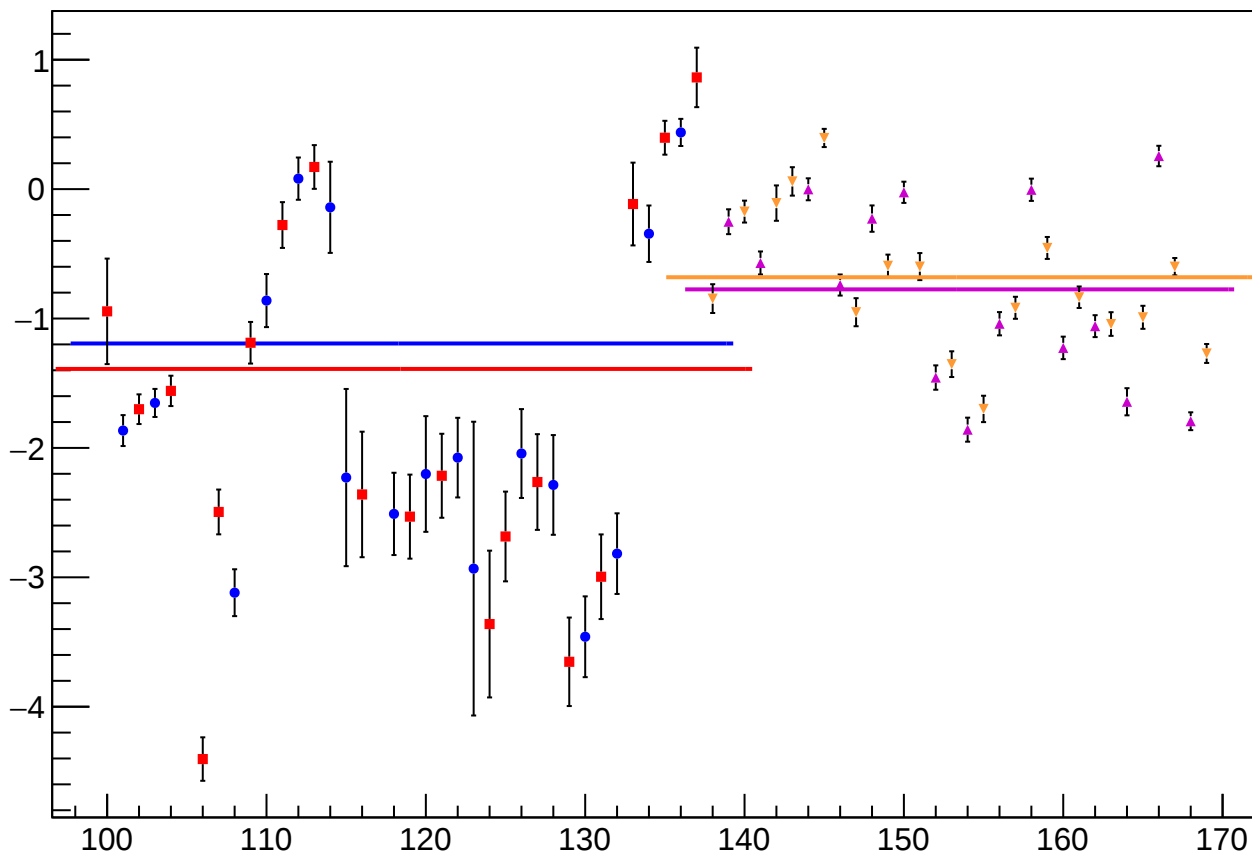
Left In: 190.366 $\pm$ 0.483 χ^2 /NDF: 1574.1/14

+ sign 192.130 $\pm$ 0.411 χ^2 /NDF: 7167.2/33

All: 190.010 $\pm$ 0.297 χ^2 /NDF: 15282.8/67

- sign 187.718 $\pm$ 0.428 χ^2 /NDF: 8060.3/33

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.681 ± 0.022 χ^2/NDF : 600.7/16

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

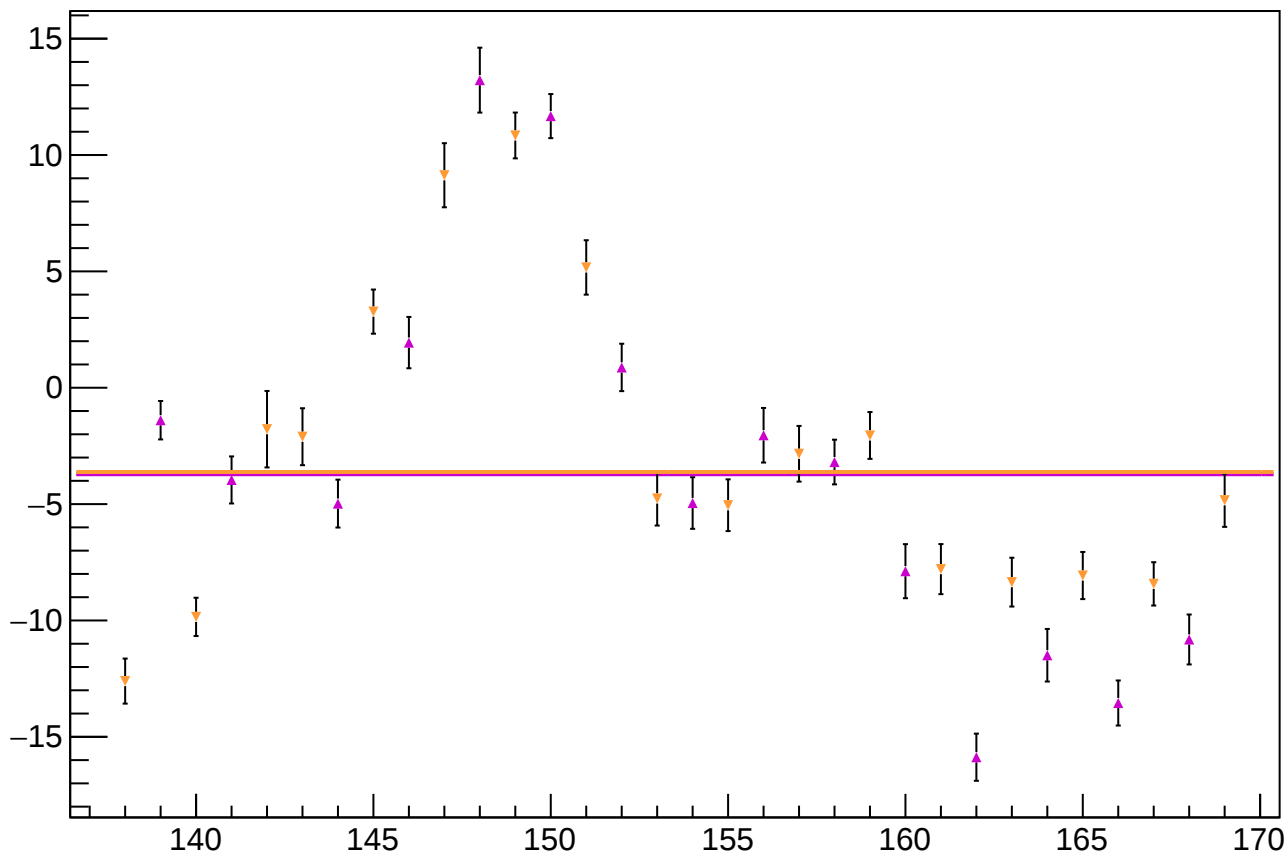
Left In: -0.775 ± 0.022 χ^2/NDF : 1003.6/14

+ sign -0.767 ± 0.020 χ^2/NDF : 1316.4/33

All: -0.829 ± 0.014 χ^2/NDF : 3406.1/67

- sign -0.893 ± 0.020 χ^2/NDF : 2069.4/33

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -3.619+/-0.259 χ^2/NDF : 645.1/16

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

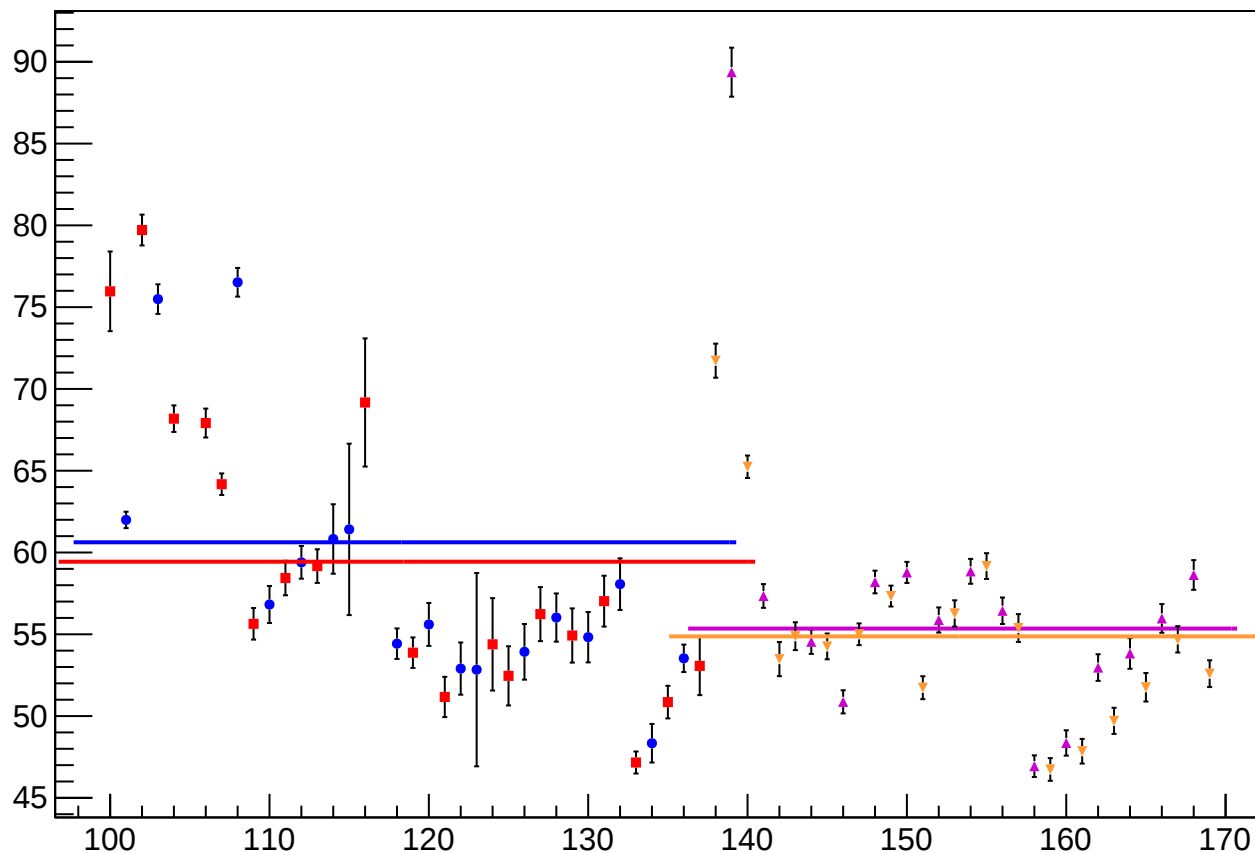
Left In: -3.716+/-0.269 χ^2/NDF : 822.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -3.666+/-0.186 χ^2/NDF : 1467.4/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 $\pm$ 0.263 χ^2/NDF : 924.6/16

Left Out: 54.871 $\pm$ 0.189 χ^2/NDF : 847.6/16

Right Out: 59.438 $\pm$ 0.248 χ^2/NDF : 1323.4/18

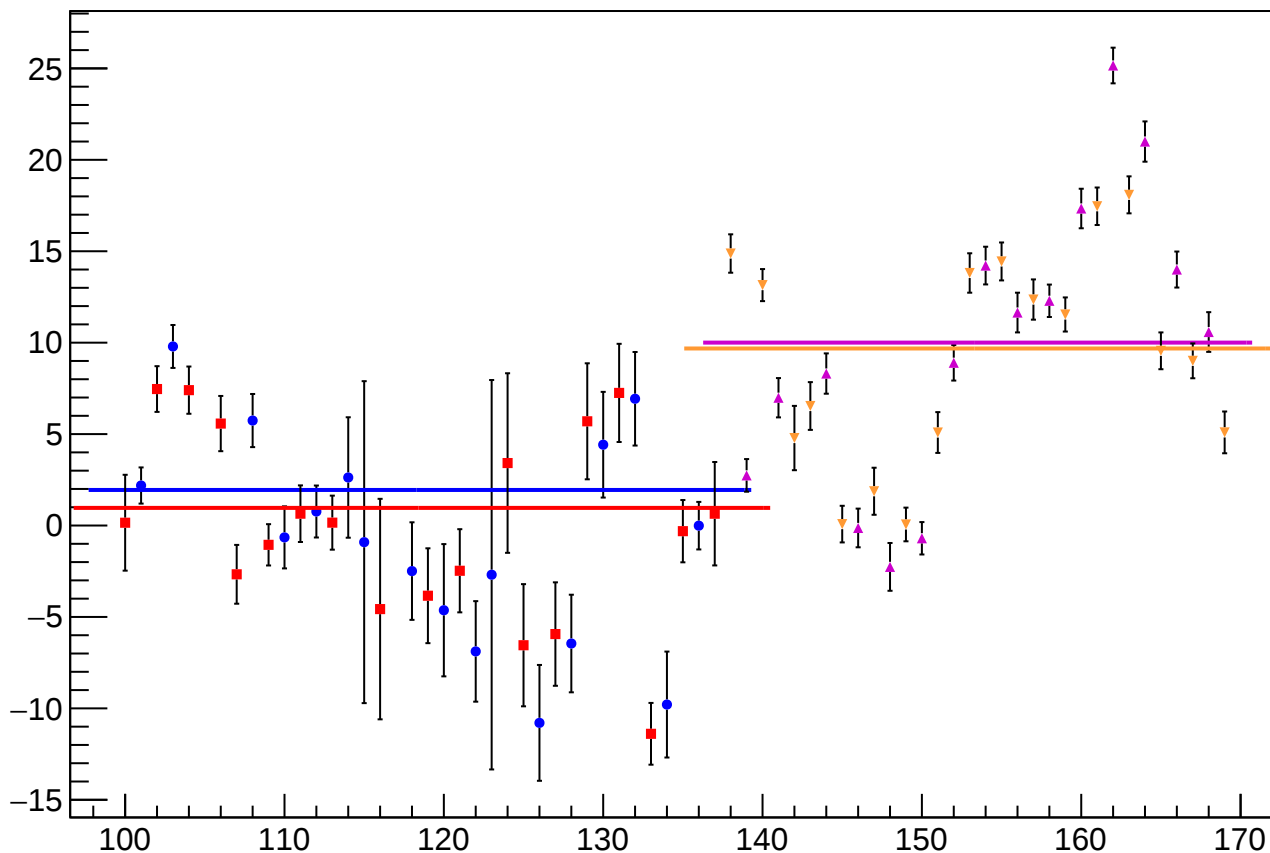
Left In: 55.349 $\pm$ 0.201 χ^2/NDF : 900.2/14

+ sign 56.829 $\pm$ 0.153 χ^2/NDF : 2088.0/33

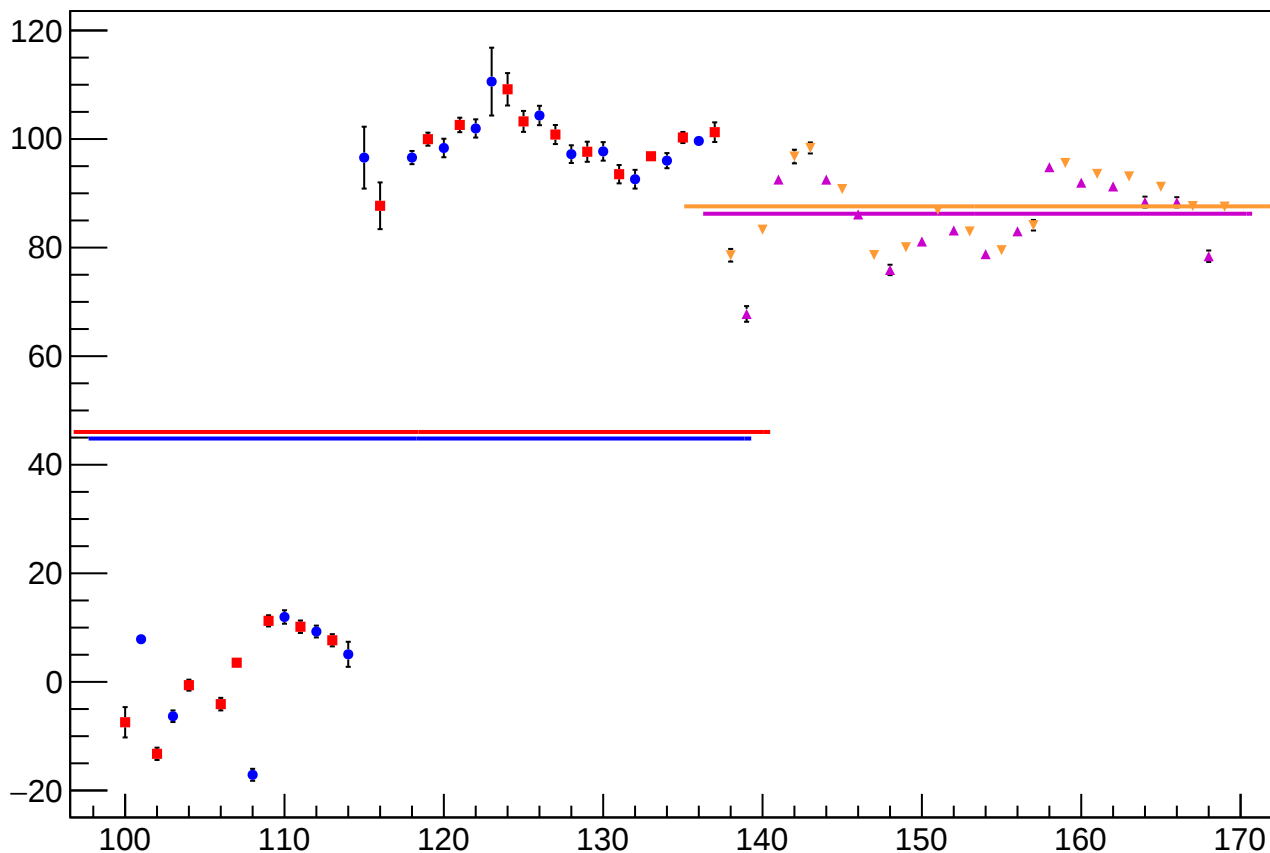
All: 56.900 $\pm$ 0.109 χ^2/NDF : 4476.0/67

- sign 56.974 $\pm$ 0.156 χ^2/NDF : 2387.6/33

reg_asym_sam5_diff_bpm4eX_slope vs Slug



reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 87.597+/-0.217 χ^2/NDF : 811.3/16

Right Out: 46.040+/-0.289 χ^2/NDF : 28263.4/18

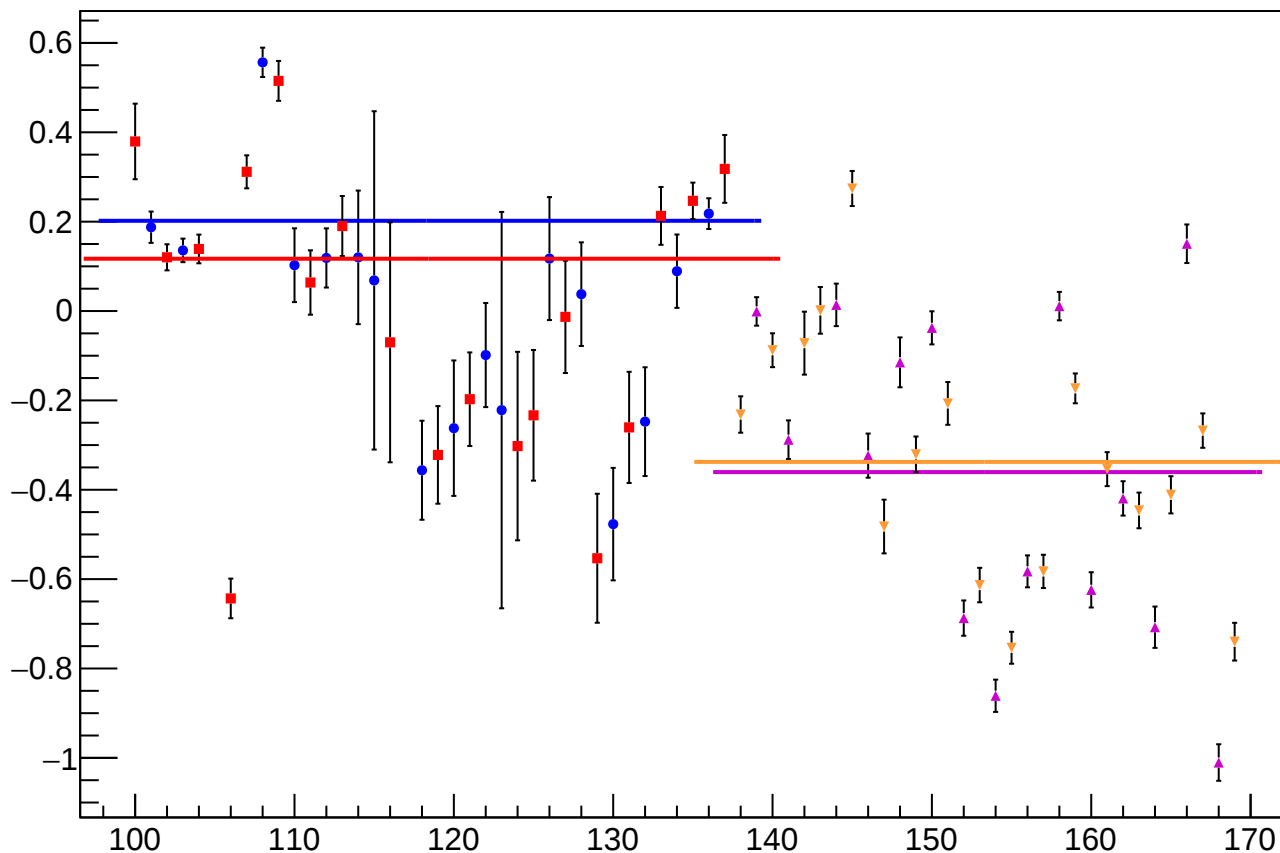
Left In: 86.239+/-0.230 χ^2/NDF : 825.1/14

+ sign 73.187+/-0.177 χ^2/NDF : 38641.4/33

All: 71.960+/-0.126 χ^2/NDF : 79652.3/67

- sign 70.687+/-0.180 χ^2/NDF : 40912.8/33

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.338 ± 0.010 χ^2/NDF : 722.2/16

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

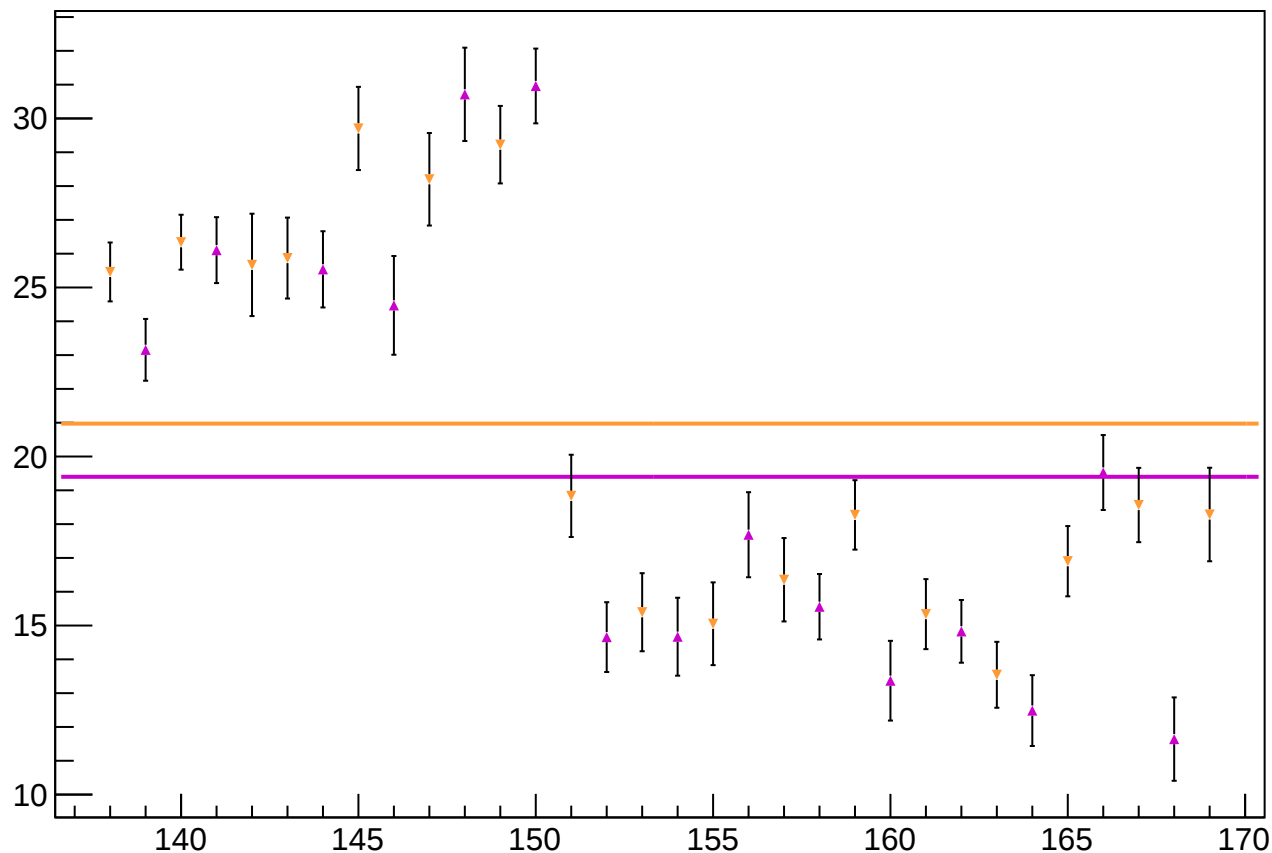
Left In: -0.360 ± 0.010 χ^2/NDF : 1219.7/14

+ sign -0.157 ± 0.008 χ^2/NDF : 1919.1/33

All: -0.168 ± 0.006 χ^2/NDF : 4471.4/67

- sign -0.178 ± 0.008 χ^2/NDF : 2548.9/33

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 20.973+/-0.268 χ^2/NDF : 409.0/16

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

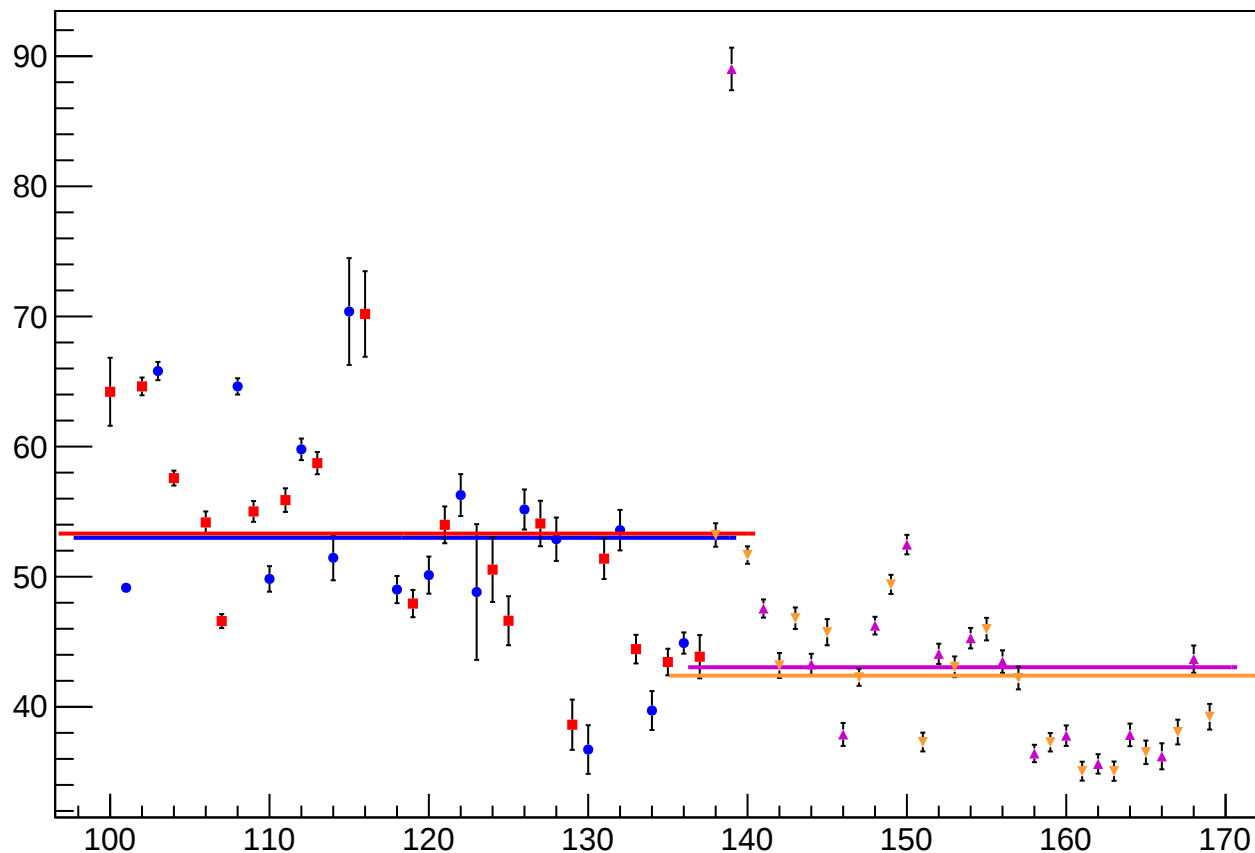
Left In: 19.400+/-0.283 χ^2/NDF : 471.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 20.228+/-0.195 χ^2/NDF : 896.8/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 ± 0.211 $\chi^2/\text{NDF}: 1198.0/16$

Left Out: 42.400 ± 0.195 $\chi^2/\text{NDF}: 858.9/16$

Right Out: 53.315 ± 0.227 $\chi^2/\text{NDF}: 875.6/18$

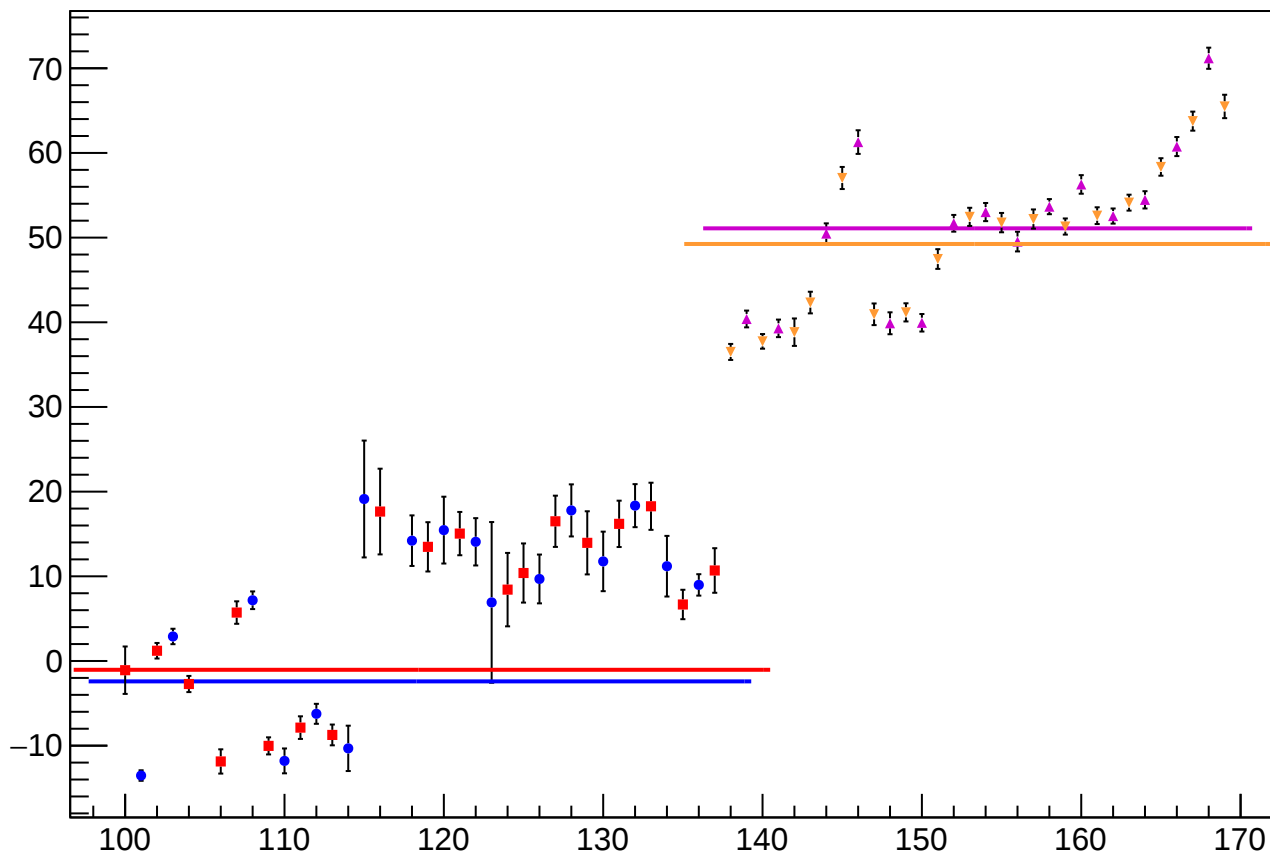
Left In: 43.043 ± 0.210 $\chi^2/\text{NDF}: 1383.3/14$

+ sign 47.273 ± 0.143 $\chi^2/\text{NDF}: 3417.9/33$

All: 47.509 ± 0.105 $\chi^2/\text{NDF}: 6788.0/67$

- sign 47.783 ± 0.154 $\chi^2/\text{NDF}: 3364.2/33$

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 49.248 ± 0.266 χ^2/NDF : 1011.9/16

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

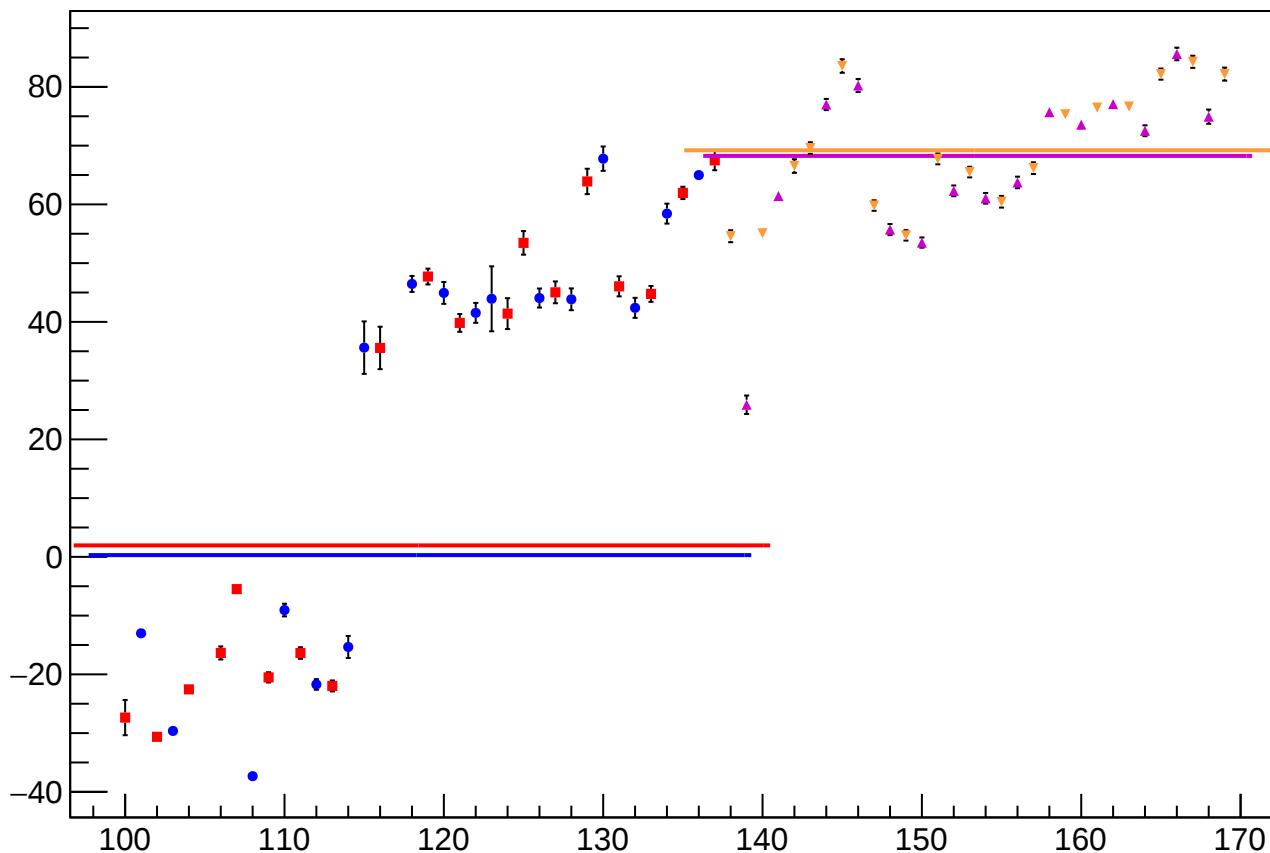
Left In: 51.094 ± 0.277 χ^2/NDF : 873.0/14

+ sign 31.323 ± 0.215 χ^2/NDF : 14974.9/33

All: 32.045 ± 0.155 χ^2/NDF : 28797.6/67

- sign 32.827 ± 0.223 χ^2/NDF : 13799.1/33

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 69.208 ± 0.224 χ^2/NDF : 1931.8/16

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

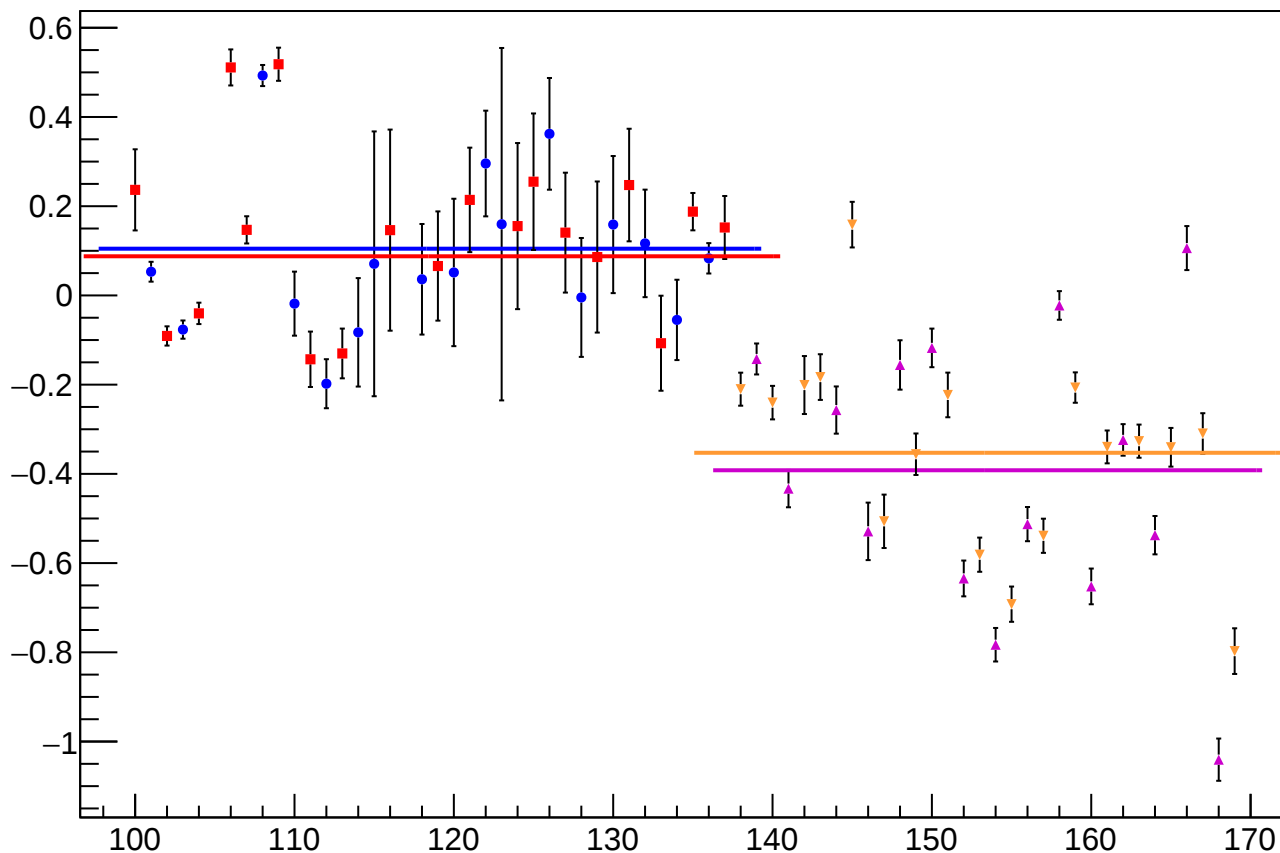
Left In: 68.253 ± 0.240 χ^2/NDF : 2179.8/14

+ sign 38.116 ± 0.166 χ^2/NDF : 62758.9/33

All: 38.347 ± 0.122 χ^2/NDF : 114583.0/67

- sign 38.612 ± 0.178 χ^2/NDF : 51819.9/33

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.353 ± 0.010 χ^2/NDF : 381.9/16

Right Out: 0.088 ± 0.011 χ^2/NDF : 390.9/18

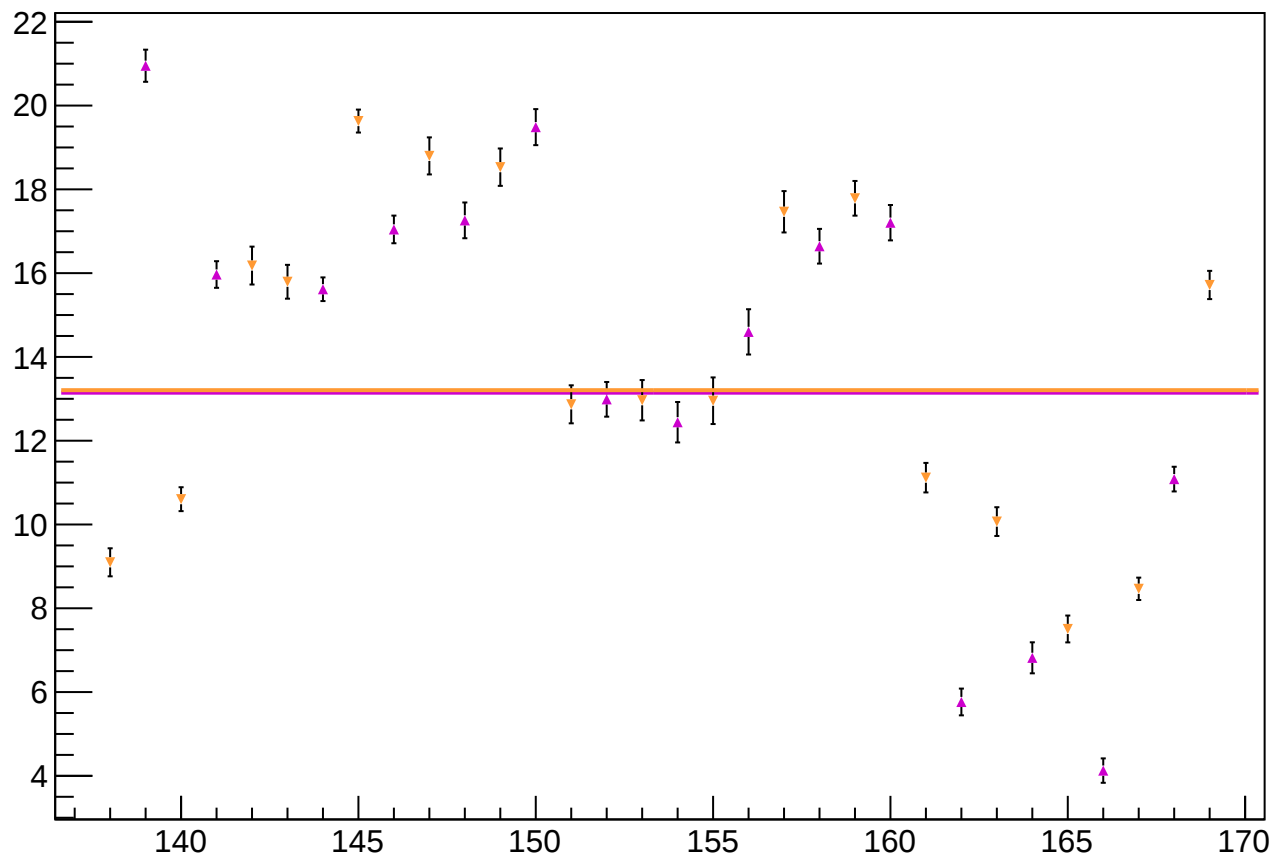
Left In: -0.392 ± 0.011 χ^2/NDF : 756.3/14

+ sign -0.138 ± 0.008 χ^2/NDF : 1695.1/33

All: -0.148 ± 0.005 χ^2/NDF : 3817.5/67

- sign -0.158 ± 0.008 χ^2/NDF : 2119.1/33

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 13.206+/-0.089 χ^2/NDF :2173.6/16

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

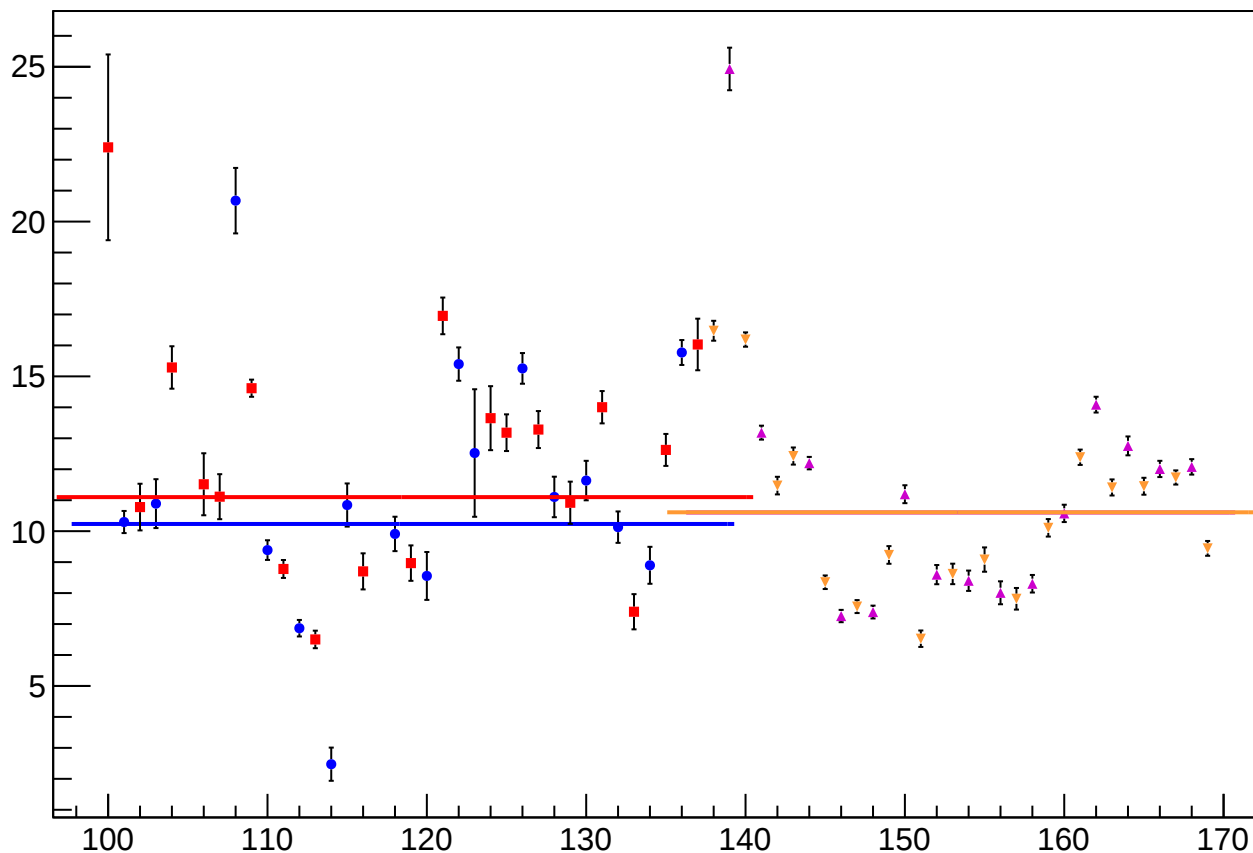
Left In: 13.147+/-0.093 χ^2/NDF :3026.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 13.178+/-0.064 χ^2/NDF : 5199.9/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232+/-0.119 χ^2/NDF : 876.7/16

Left Out: 10.609+/-0.064 χ^2/NDF :1780.0/16

Right Out: 11.100+/-0.116 χ^2/NDF : 817.8/18

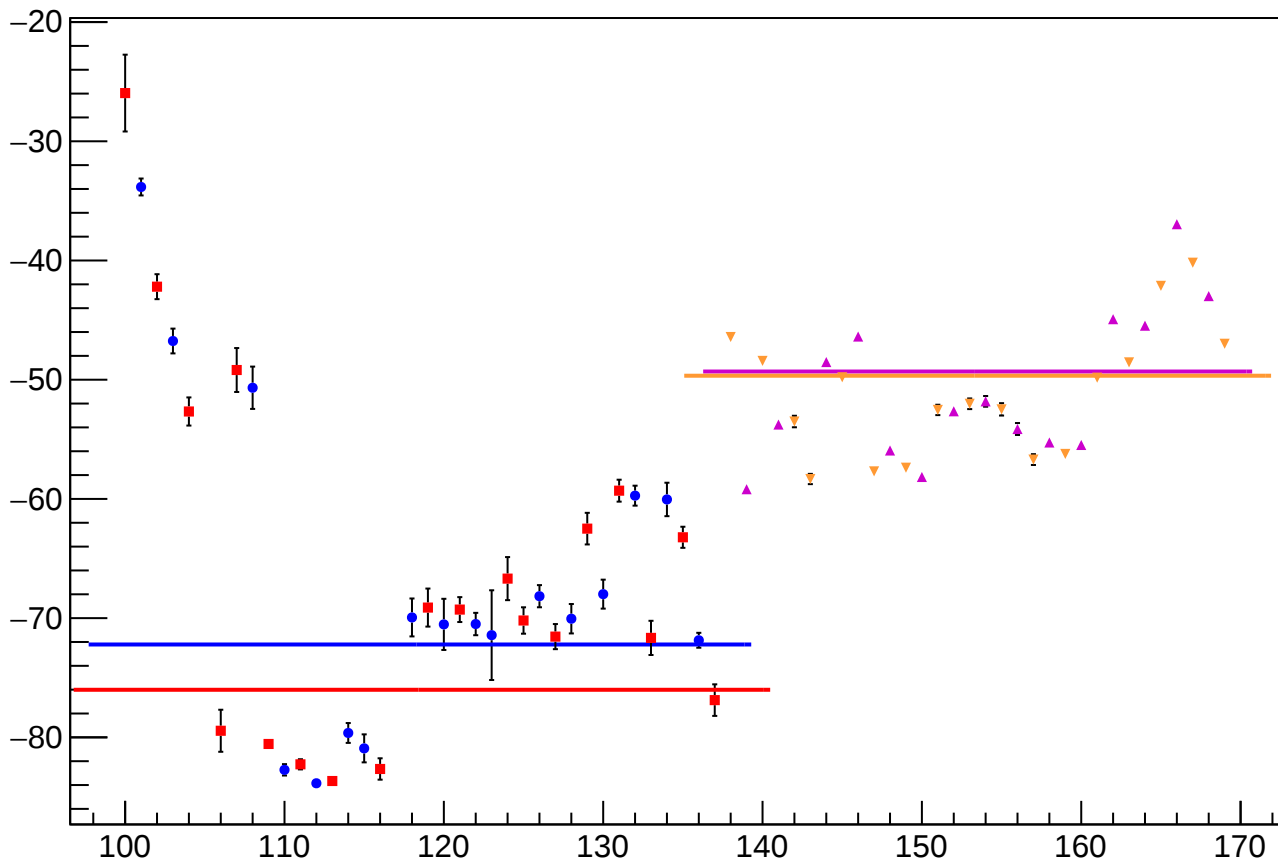
Left In: 10.604+/-0.068 χ^2/NDF :1656.4/14

+ sign 10.525+/-0.057 χ^2/NDF : 2664.5/33

All: 10.624+/-0.041 χ^2/NDF : 5158.6/67

- sign 10.730+/-0.059 χ^2/NDF : 2487.7/33

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 χ^2/NDF : 5566.2/16

Left Out: -49.666 ± 0.089 χ^2/NDF : 3756.1/16

Right Out: -76.009 ± 0.181 χ^2/NDF : 3463.3/18

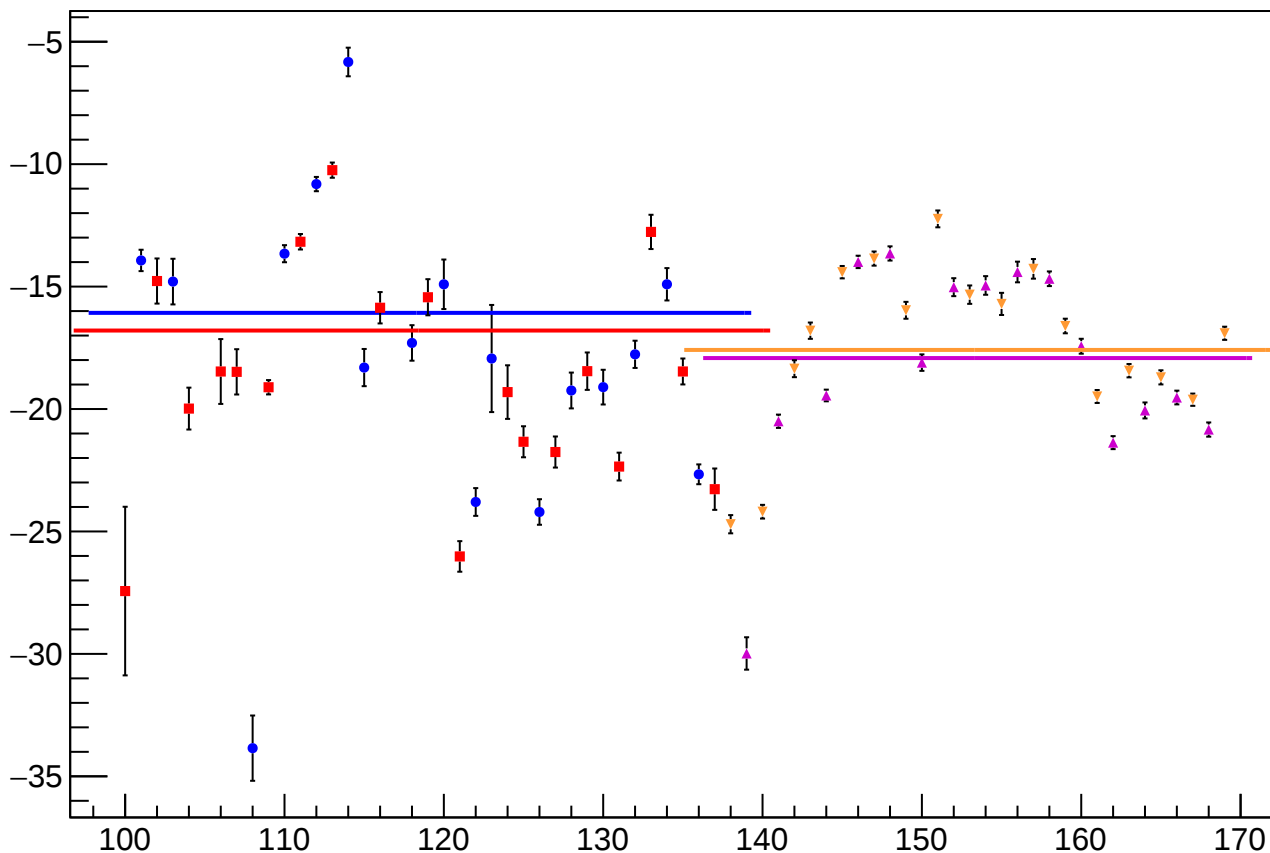
Left In: -49.313 ± 0.092 χ^2/NDF : 4776.1/14

+ sign -53.437 ± 0.081 χ^2/NDF : 20120.0/33

All: -54.119 ± 0.058 χ^2/NDF : 45770.5/67

- sign -54.823 ± 0.082 χ^2/NDF : 25506.4/33

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -17.587 ± 0.074 χ^2/NDF : 1801.1/16

Right Out: -16.795 ± 0.128 χ^2/NDF : 1216.0/18

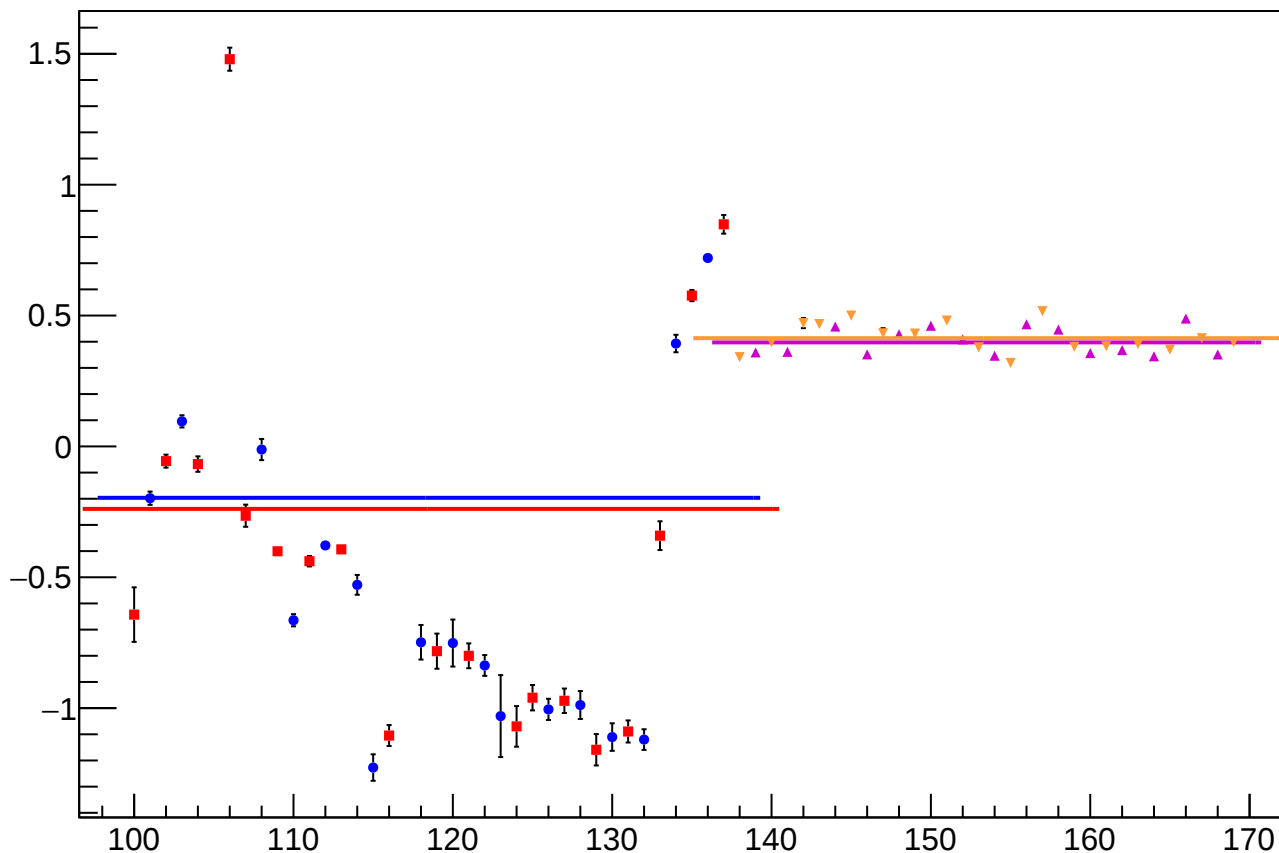
Left In: -17.919 ± 0.079 χ^2/NDF : 1579.0/14

+ sign -17.224 ± 0.065 χ^2/NDF : 3540.8/33

All: -17.409 ± 0.047 χ^2/NDF : 6408.5/67

- sign -17.609 ± 0.067 χ^2/NDF : 2850.7/33

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.414 ± 0.003 χ^2/NDF : 221.8/16

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

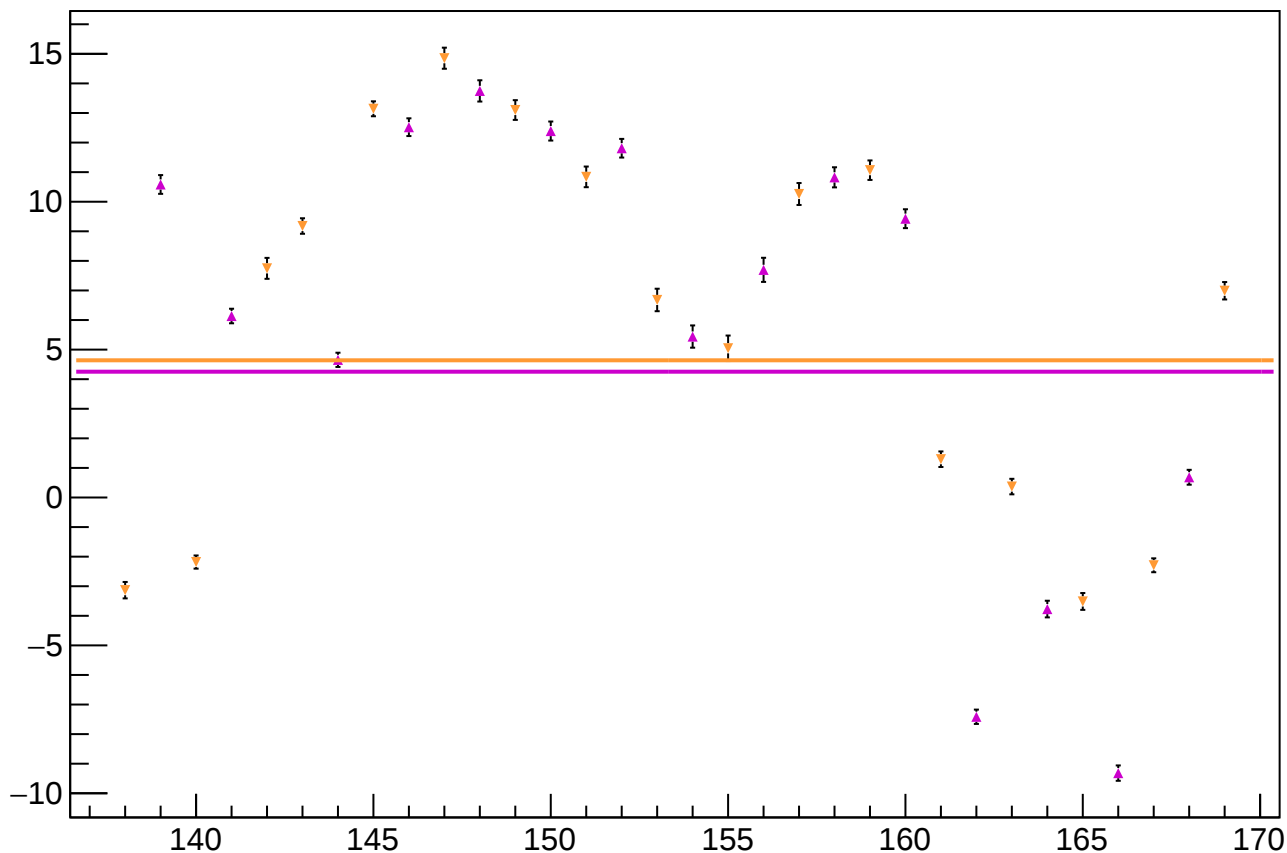
Left In: 0.397 ± 0.004 χ^2/NDF : 195.6/14

+ sign 0.306 ± 0.003 χ^2/NDF : 11924.6/33

All: 0.286 ± 0.002 χ^2/NDF : 24607.2/67

- sign 0.265 ± 0.003 χ^2/NDF : 12604.2/33

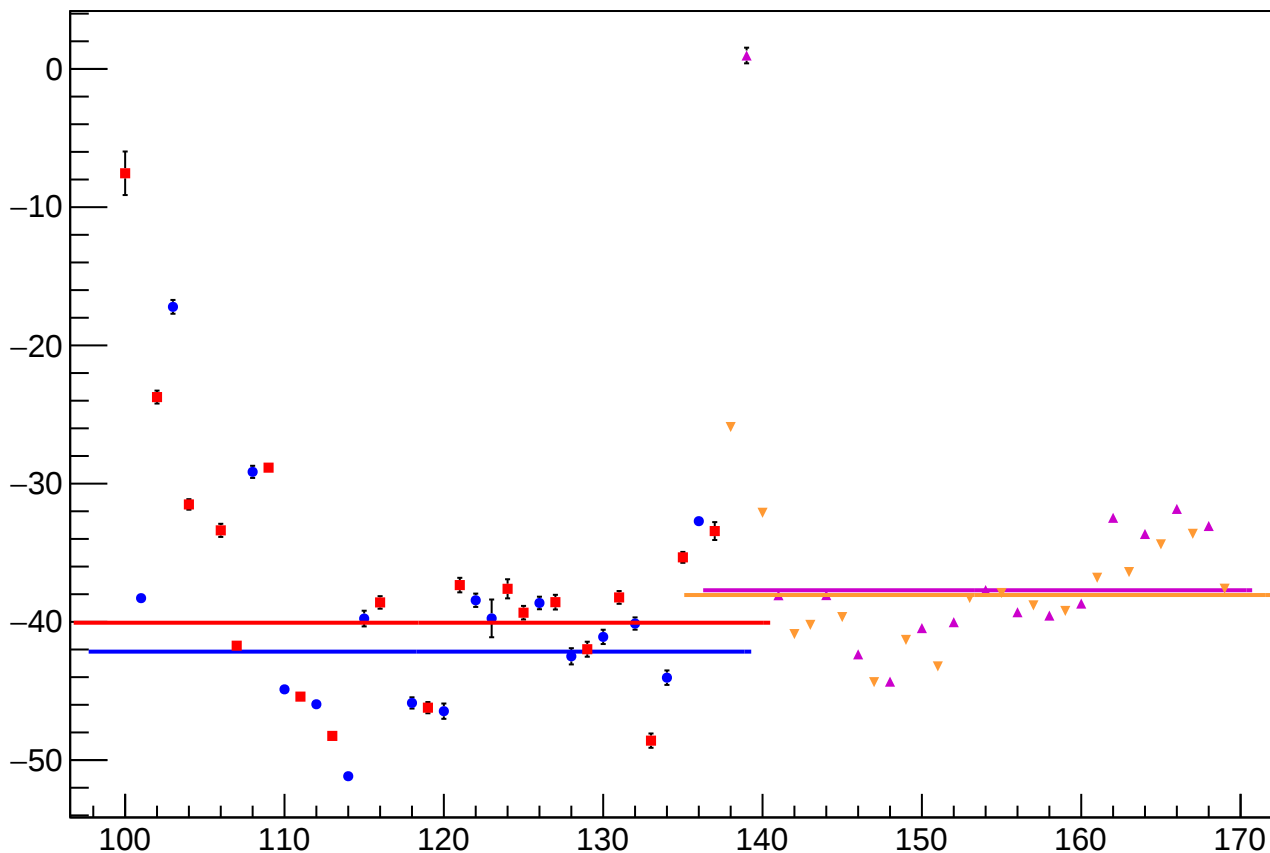
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.638+/-0.071 χ^2/NDF : 7837.2/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.253+/-0.076 χ^2/NDF : 9908.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 4.457+/-0.052 χ^2/NDF : 17759.4/31
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153±/0.078 χ^2/NDF : 6557.8/16

Left Out: -38.058±/0.052 χ^2/NDF : 6583.2/16

Right Out: -40.062±/0.073 χ^2/NDF : 11322.2/18

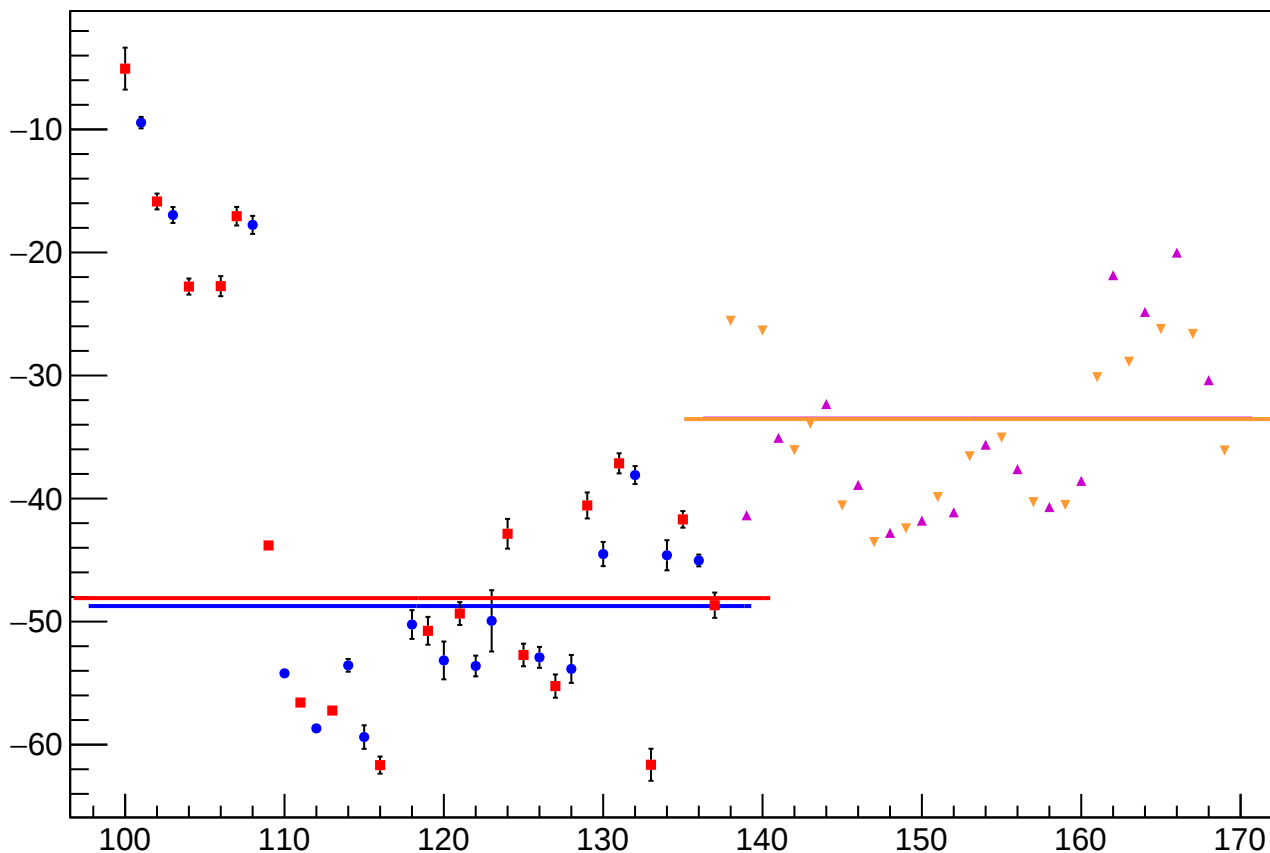
Left In: -37.713±/0.056 χ^2/NDF : 9212.2/14

+ sign -39.301±/0.043 χ^2/NDF : 15059.6/33

All: -38.949±/0.031 χ^2/NDF : 36390.1/67

- sign -38.578±/0.044 χ^2/NDF : 21192.9/33

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -33.540 ± 0.071 $\chi^2/\text{NDF}: 7526.0/16$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

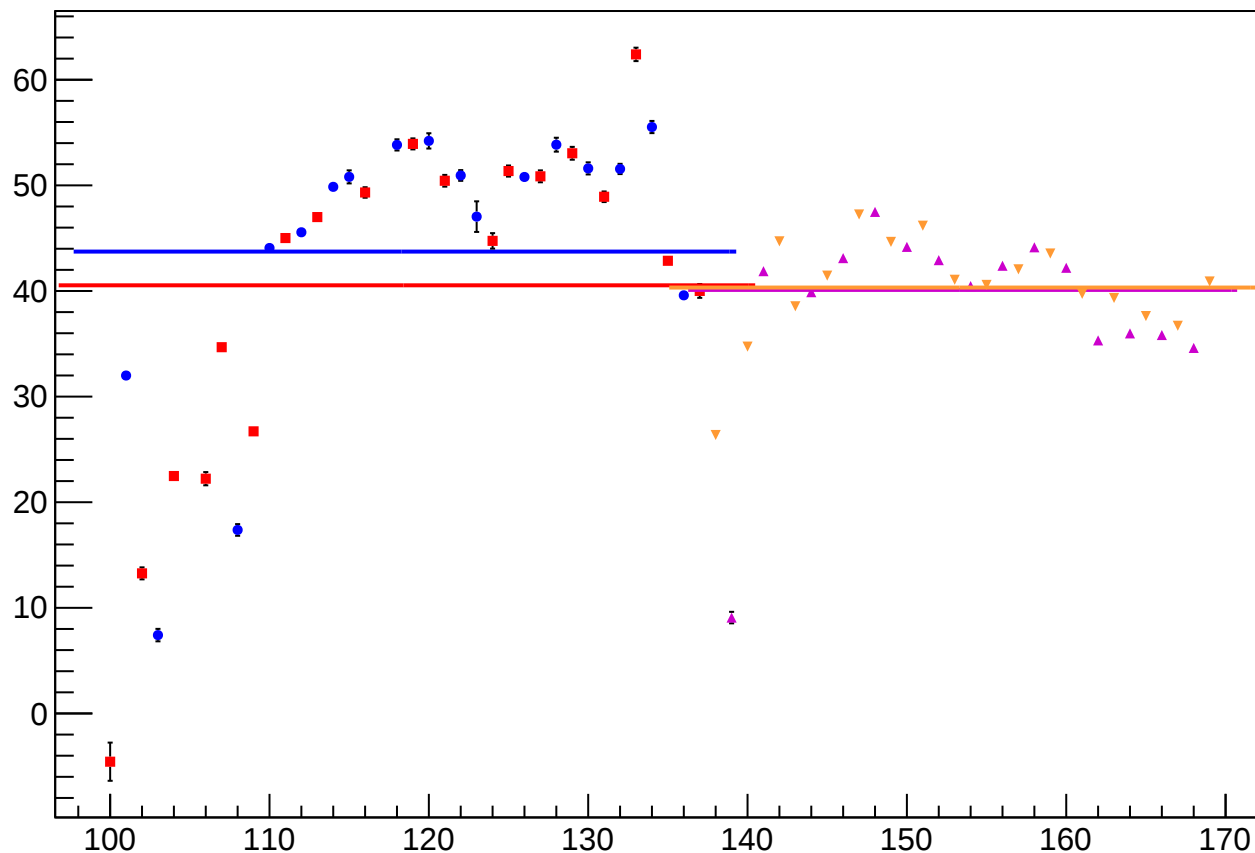
Left In: -33.500 ± 0.075 $\chi^2/\text{NDF}: 10301.0/14$

+ sign -37.287 ± 0.062 $\chi^2/\text{NDF}: 33399.6/33$

All: -37.783 ± 0.044 $\chi^2/\text{NDF}: 68024.1/67$

- sign -38.270 ± 0.061 $\chi^2/\text{NDF}: 34497.0/33$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 $\pm$ 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.325 $\pm$ 0.060 χ^2/NDF : 5308.2/16

Right Out: 40.537 $\pm$ 0.080 χ^2/NDF : 17601.3/18

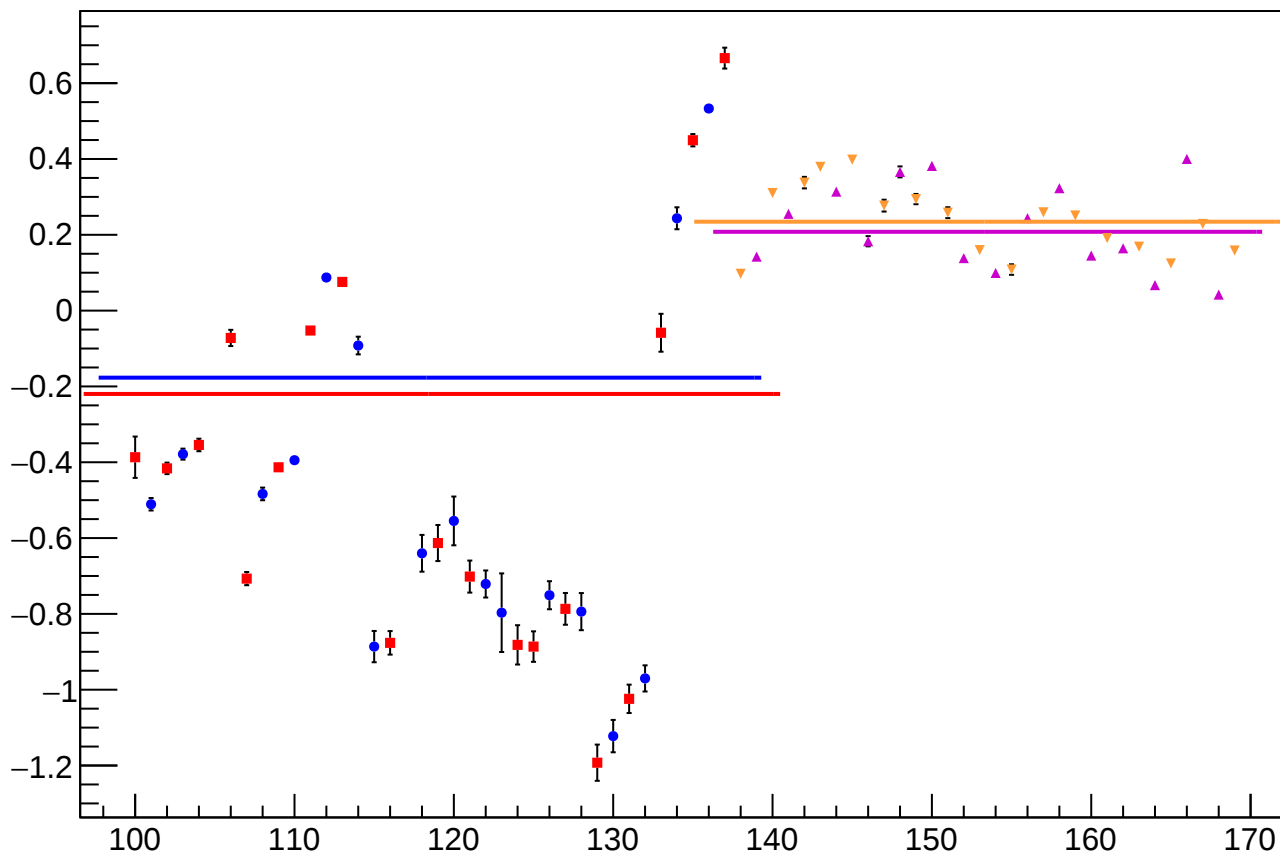
Left In: 40.102 $\pm$ 0.064 χ^2/NDF : 6770.3/14

+ sign 41.415 $\pm$ 0.049 χ^2/NDF : 16921.7/33

All: 40.854 $\pm$ 0.035 χ^2/NDF : 41576.9/67

- sign 40.272 $\pm$ 0.050 χ^2/NDF : 24389.7/33

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 $\chi^2/\text{NDF}: 7364.7/16$

Left Out: 0.235 ± 0.003 $\chi^2/\text{NDF}: 994.4/16$

Right Out: -0.220 ± 0.004 $\chi^2/\text{NDF}: 7430.4/18$

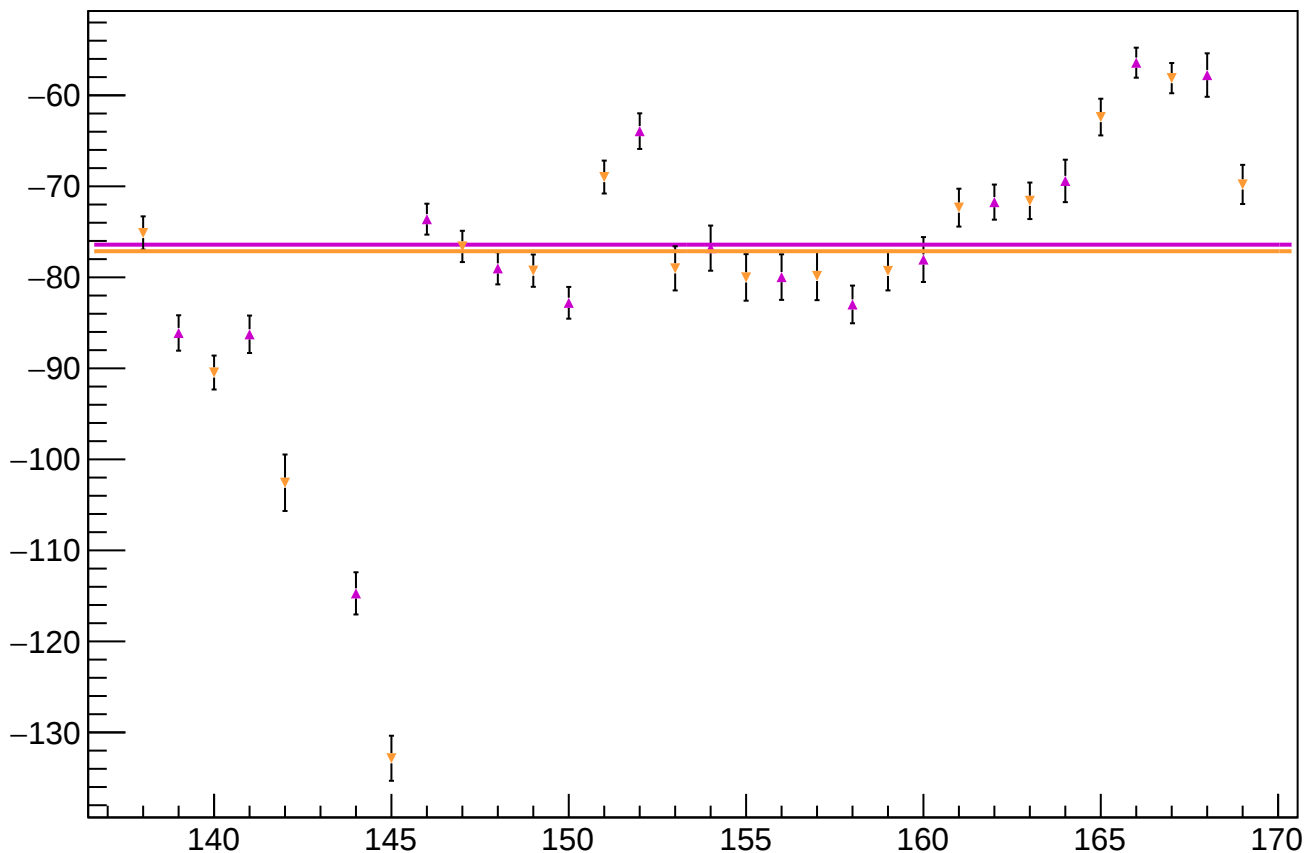
Left In: 0.208 ± 0.003 $\chi^2/\text{NDF}: 1447.3/14$

+ sign 0.131 ± 0.002 $\chi^2/\text{NDF}: 13765.2/33$

All: 0.101 ± 0.002 $\chi^2/\text{NDF}: 29656.5/67$

- sign 0.070 ± 0.002 $\chi^2/\text{NDF}: 15582.5/33$

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -77.130+/-0.513 χ^2/NDF : 861.0/15

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

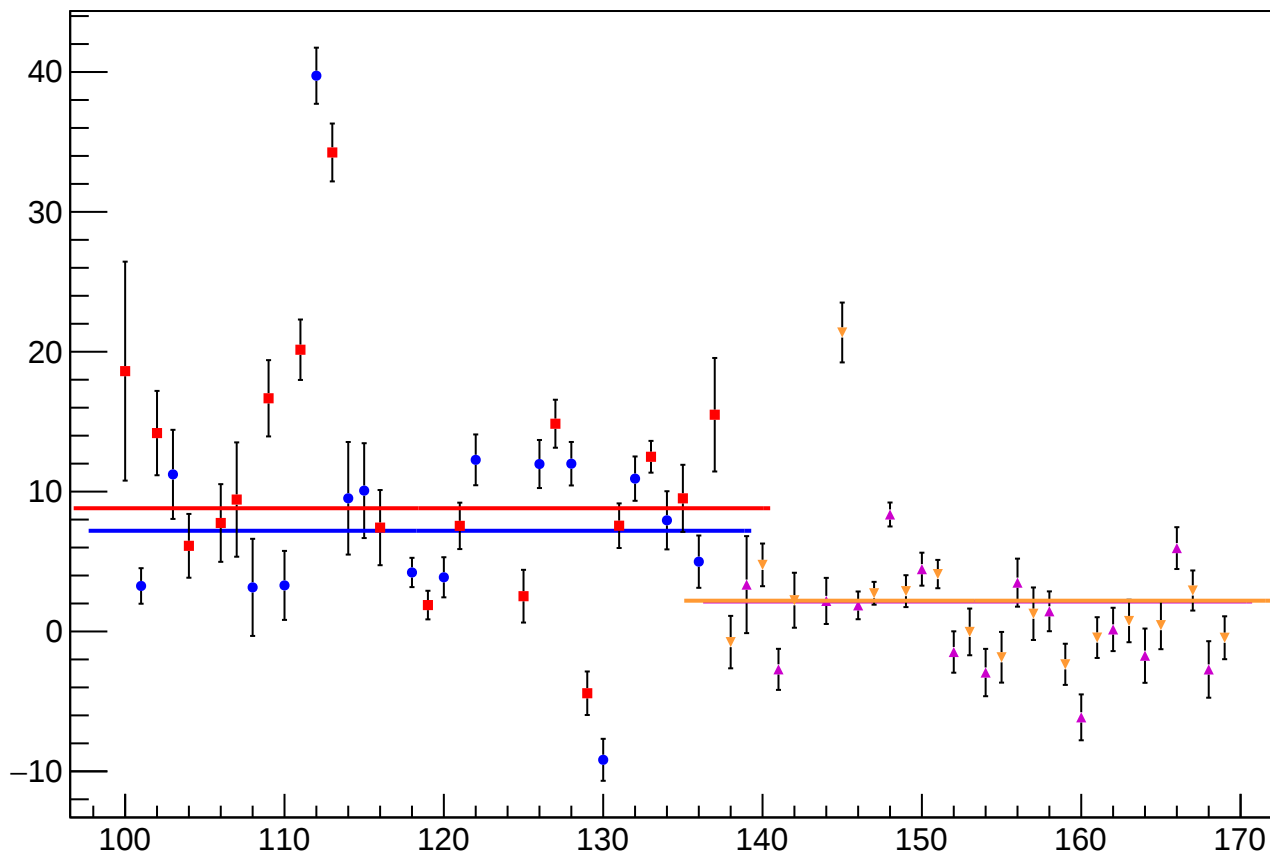
Left In: -76.410+/-0.523 χ^2/NDF : 615.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -76.777+/-0.366 χ^2/NDF : 1477.1/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.200 ± 0.353 χ^2/NDF : 115.0/15

Right Out: 8.810 ± 0.448 χ^2/NDF : 349.7/17

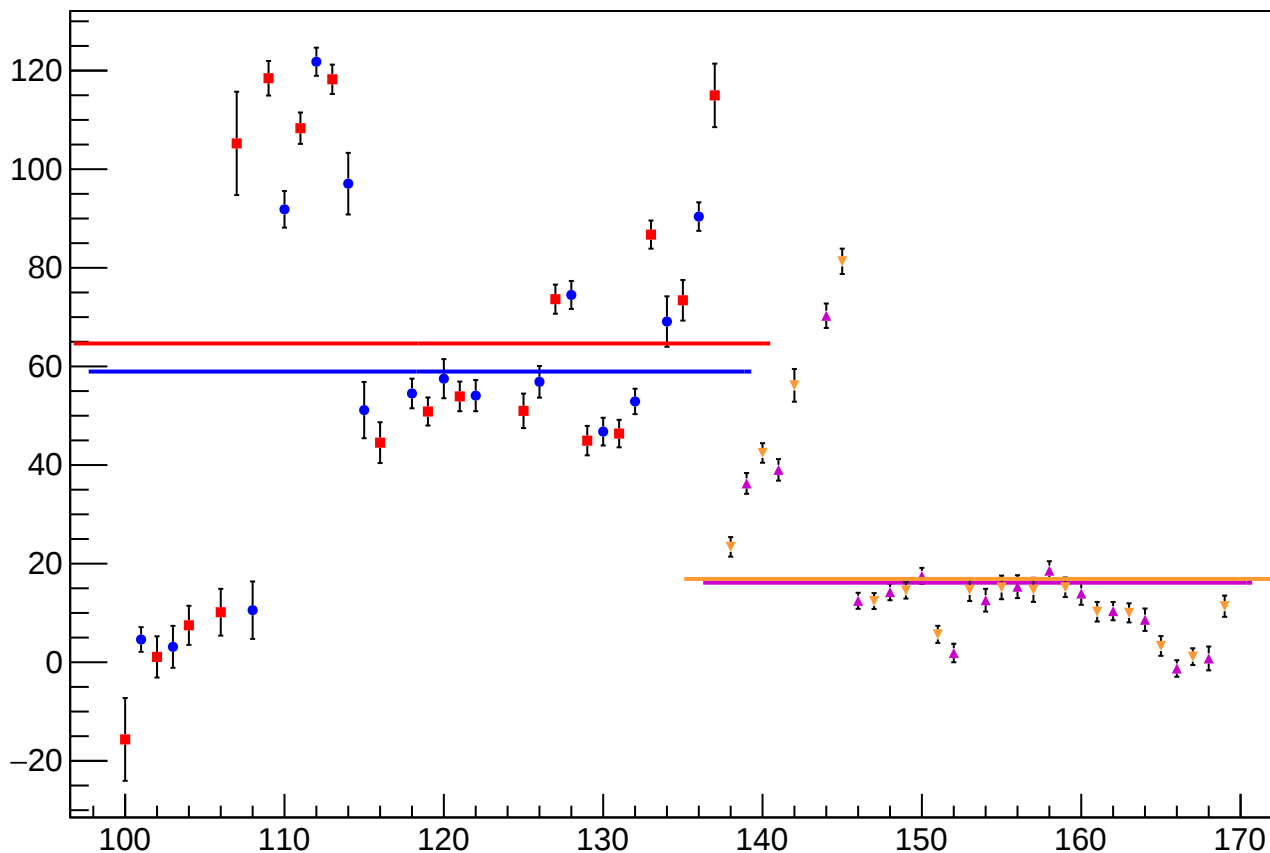
Left In: 2.143 ± 0.368 χ^2/NDF : 127.0/14

+ sign 4.164 ± 0.275 χ^2/NDF : 637.3/31

All: 4.485 ± 0.198 χ^2/NDF : 1249.3/64

- sign 4.827 ± 0.284 χ^2/NDF : 609.2/32

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 ± 0.837 χ^2/NDF : 1496.5/15

Left Out: 16.902 ± 0.502 χ^2/NDF : 1162.9/15

Right Out: 64.655 ± 0.840 χ^2/NDF : 1721.8/17

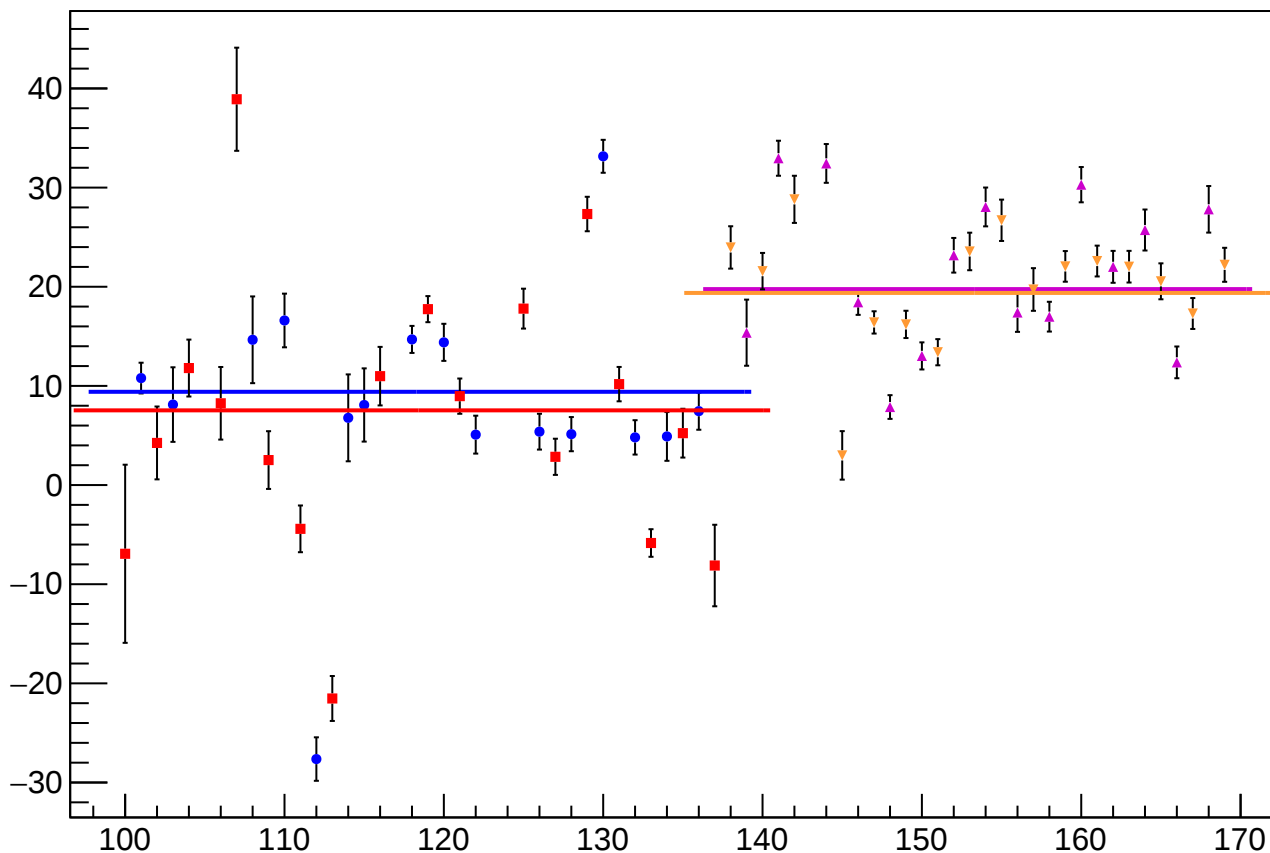
Left In: 16.138 ± 0.510 χ^2/NDF : 916.2/14

+ sign 28.042 ± 0.431 χ^2/NDF : 4516.0/31

All: 28.613 ± 0.306 χ^2/NDF : 9595.5/64

- sign 29.196 ± 0.436 χ^2/NDF : 5075.9/32

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 19.377 ± 0.417 χ^2/NDF : 131.7/15

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

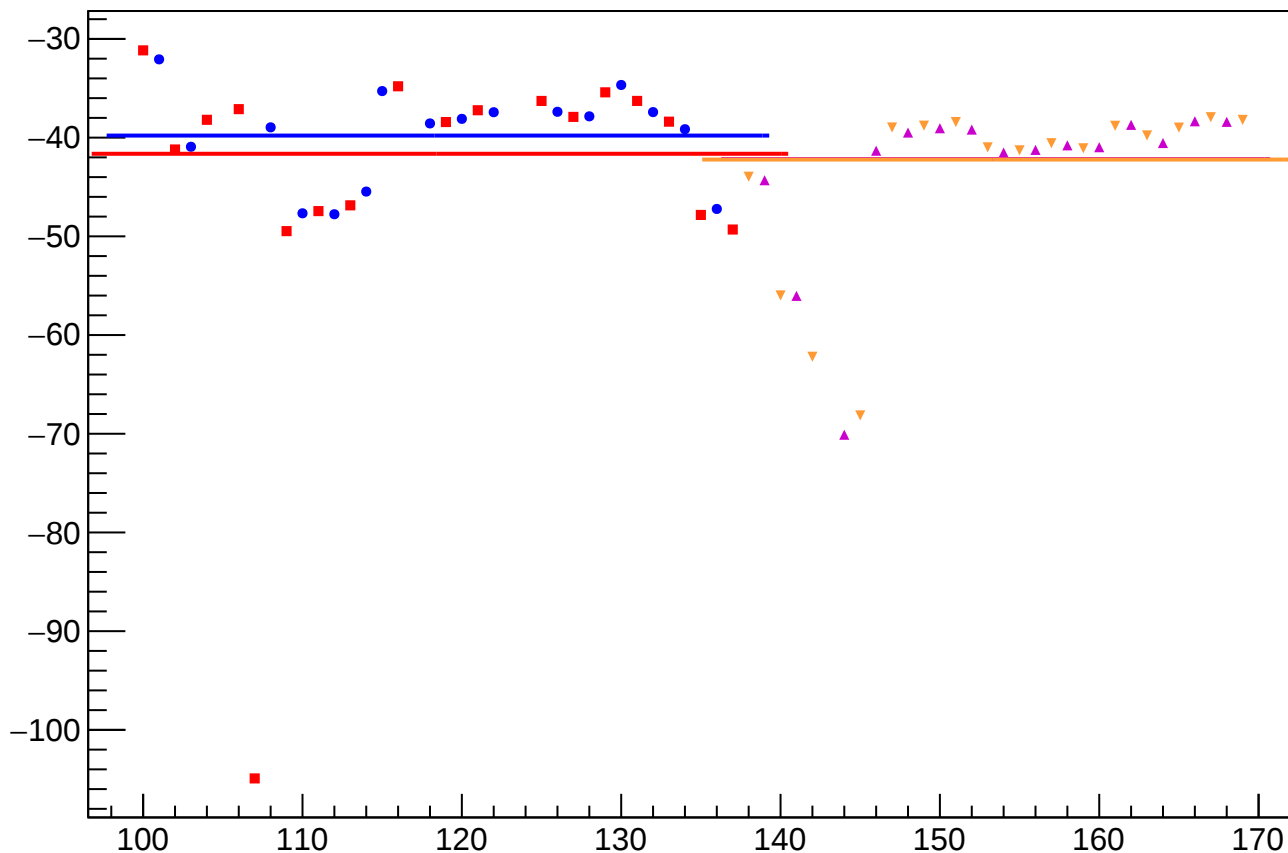
Left In: 19.763 ± 0.433 χ^2/NDF : 328.7/14

+ sign 15.354 ± 0.322 χ^2/NDF : 912.3/31

All: 15.033 ± 0.231 χ^2/NDF : 2143.2/64

- sign 14.693 ± 0.331 χ^2/NDF : 1228.9/32

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -42.221 ± 0.020 χ^2/NDF : 131896.9/15

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

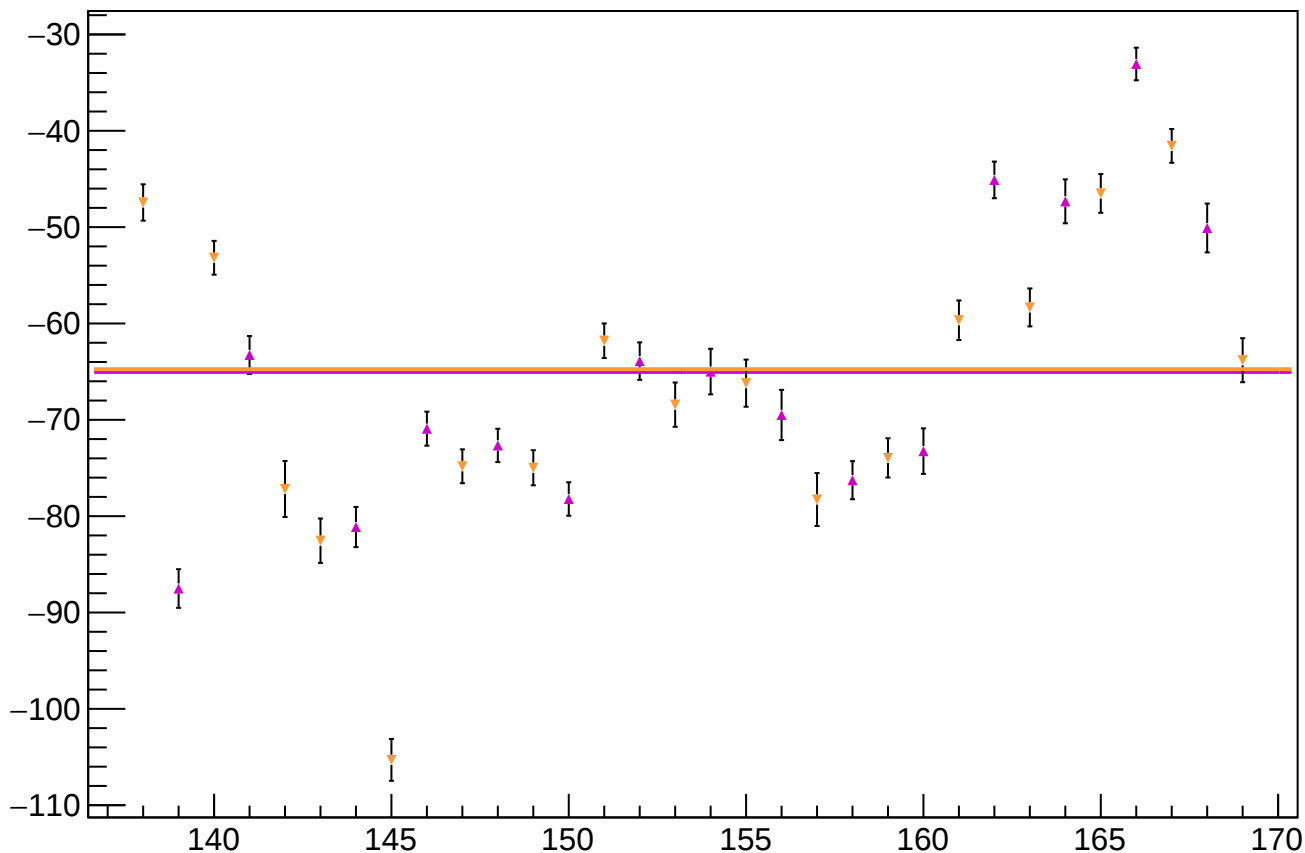
Left In: -42.165 ± 0.020 χ^2/NDF : 104203.7/14

+ sign -41.515 ± 0.017 χ^2/NDF : 162332.1/31

All: -41.759 ± 0.012 χ^2/NDF : 361554.5/64

- sign -42.008 ± 0.017 χ^2/NDF : 198799.1/32

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -64.749+/-0.497 χ^2/NDF : 943.2/16

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

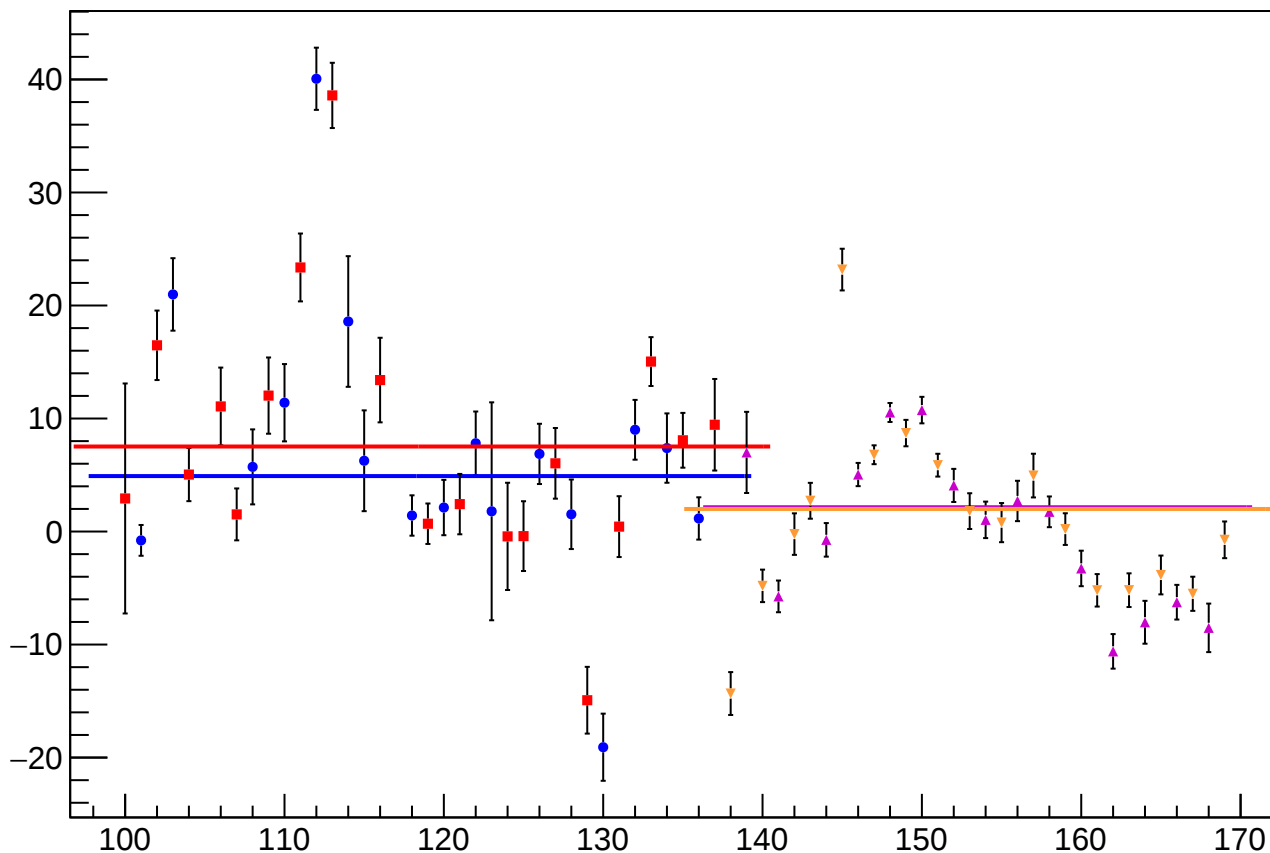
Left In: -65.021+/-0.518 χ^2/NDF : 883.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -64.879+/-0.359 χ^2/NDF : 1826.4/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 1.997 ± 0.343 χ^2/NDF : 402.8/16

Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

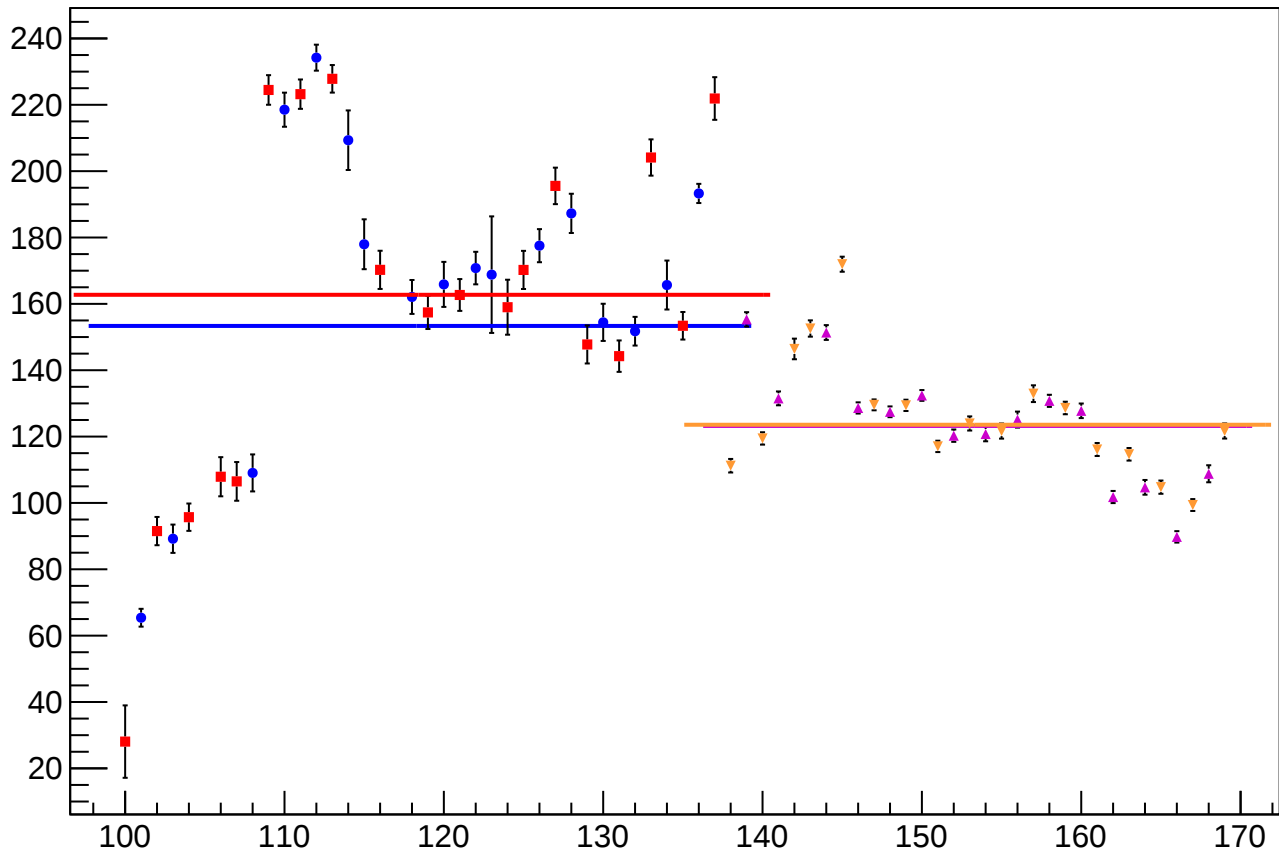
Left In: 2.151 ± 0.363 χ^2/NDF : 366.0/14

+ sign 2.666 ± 0.301 χ^2/NDF : 714.8/33

All: 3.027 ± 0.218 χ^2/NDF : 1406.4/67

- sign 3.427 ± 0.317 χ^2/NDF : 688.6/33

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 ± 1.150 $\chi^2/\text{NDF}: 2268.3/16$

Left Out: 123.566 ± 0.489 $\chi^2/\text{NDF}: 1058.6/16$

Right Out: 162.734 ± 1.177 $\chi^2/\text{NDF}: 1708.8/18$

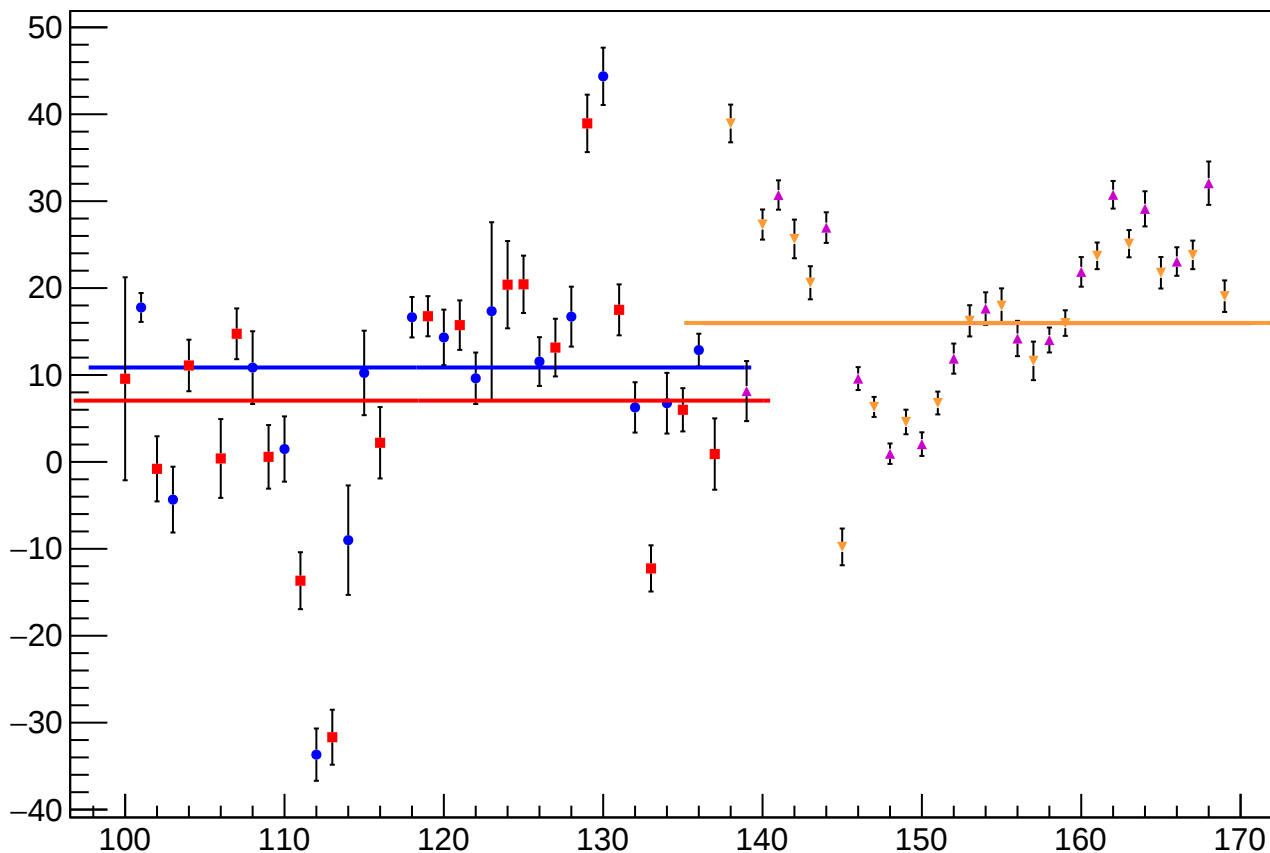
Left In: 123.205 ± 0.505 $\chi^2/\text{NDF}: 1082.7/14$

+ sign 128.123 ± 0.450 $\chi^2/\text{NDF}: 3894.8/33$

All: 128.722 ± 0.323 $\chi^2/\text{NDF}: 7642.4/67$

- sign 129.360 ± 0.464 $\chi^2/\text{NDF}: 3743.9/33$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 15.988 $\pm$ 0.404 χ^2 /NDF:612.7/16

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

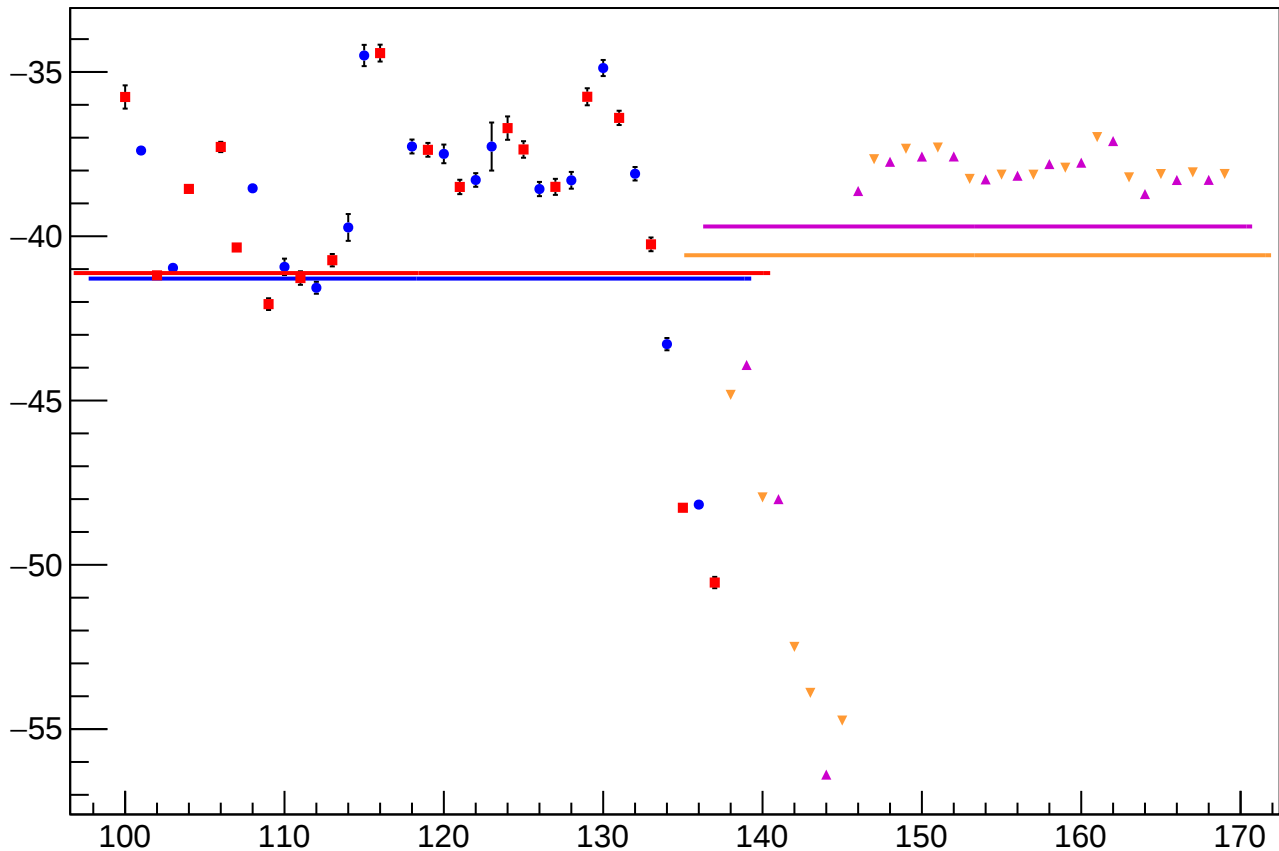
Left In: 15.971 $\pm$ 0.428 χ^2 /NDF:622.2/14

+ sign 14.759 $\pm$ 0.352 χ^2 /NDF: 1039.2/33

All: 14.291 $\pm$ 0.256 χ^2 /NDF: 2197.1/67

- sign 13.771 $\pm$ 0.371 χ^2 /NDF: 1154.2/33

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -40.578 ± 0.019 $\chi^2/\text{NDF}: 79127.4/16$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

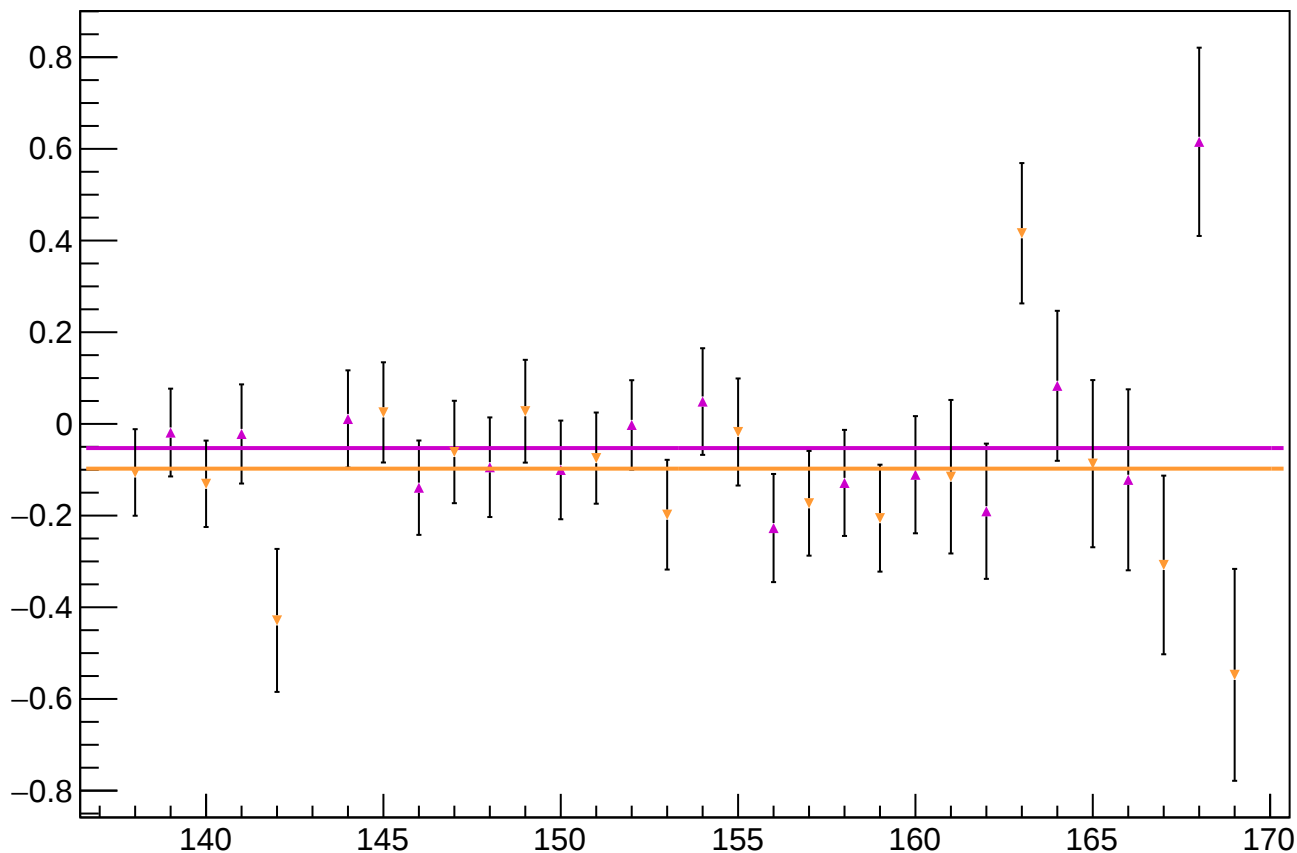
Left In: -39.702 ± 0.020 $\chi^2/\text{NDF}: 48779.3/14$

+ sign -40.721 ± 0.017 $\chi^2/\text{NDF}: 91906.9/33$

All: -40.373 ± 0.012 $\chi^2/\text{NDF}: 154684.5/67$

- sign -40.004 ± 0.018 $\chi^2/\text{NDF}: 61948.2/33$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.098+/-0.031 χ^2 /NDF: 26.0/15

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

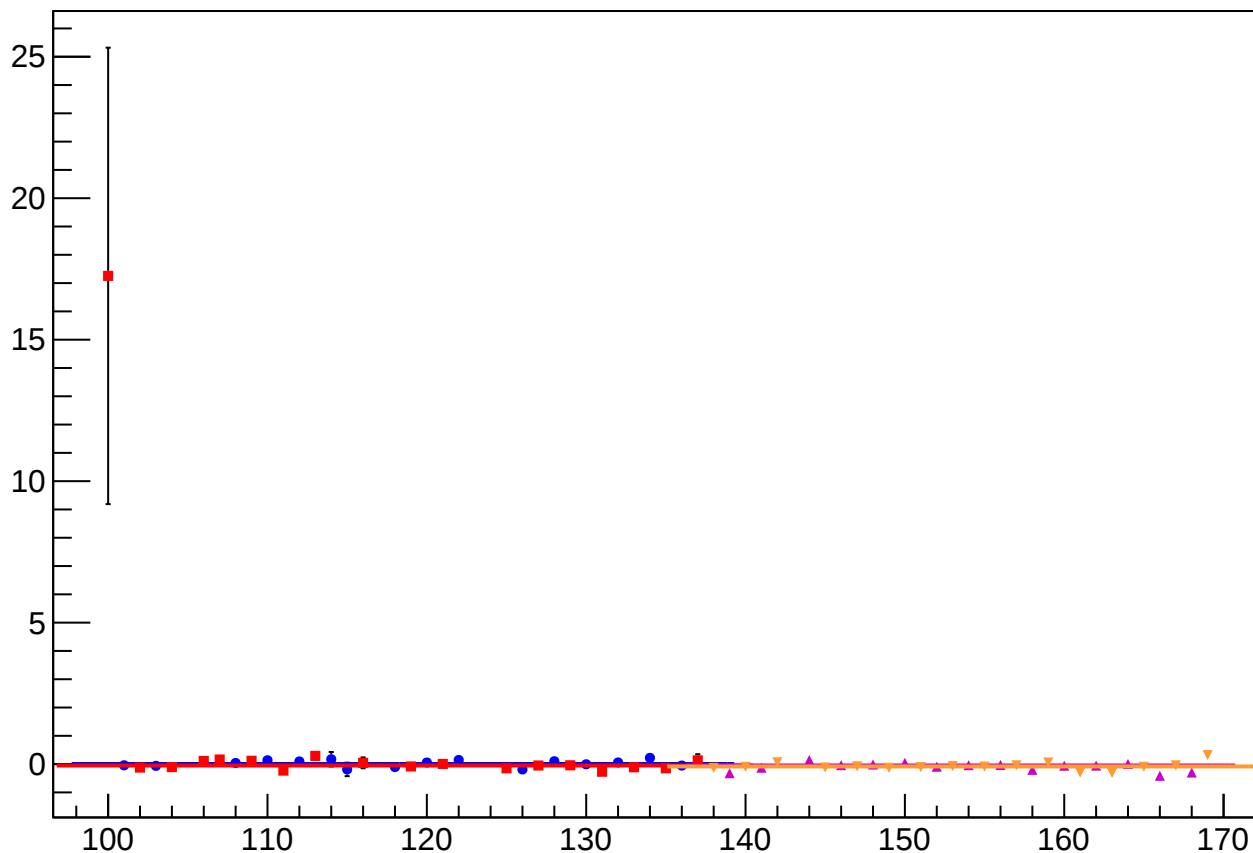
Left In: -0.053+/-0.031 χ^2 /NDF: 17.7/14

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -0.075+/-0.022 χ^2 /NDF: 44.8/30

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 $\pm$ 0.029 χ^2 /NDF: 12.4/15

Left Out: -0.083 $\pm$ 0.021 χ^2 /NDF: 19.7/15

Right Out: -0.050 $\pm$ 0.029 χ^2 /NDF: 25.6/17

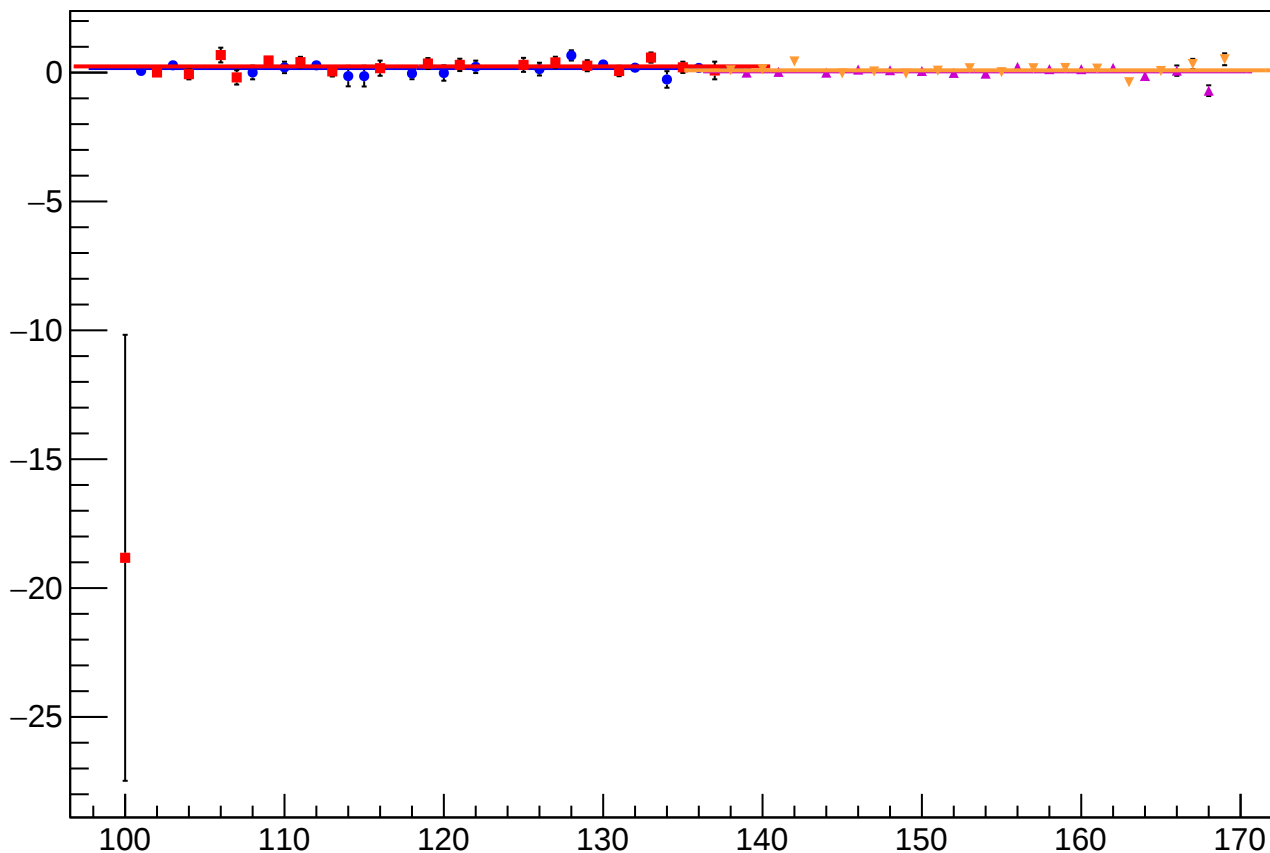
Left In: -0.048 $\pm$ 0.022 χ^2 /NDF: 22.5/14

+ sign -0.052 $\pm$ 0.017 χ^2 /NDF: 38.0/31

All: -0.050 $\pm$ 0.012 χ^2 /NDF: 86.1/64

- sign -0.049 $\pm$ 0.017 χ^2 /NDF: 48.1/32

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 ± 0.053 χ^2/NDF : 13.0/15

Left Out: 0.088 ± 0.030 χ^2/NDF : 24.4/15

Right Out: 0.240 ± 0.054 χ^2/NDF : 21.6/17

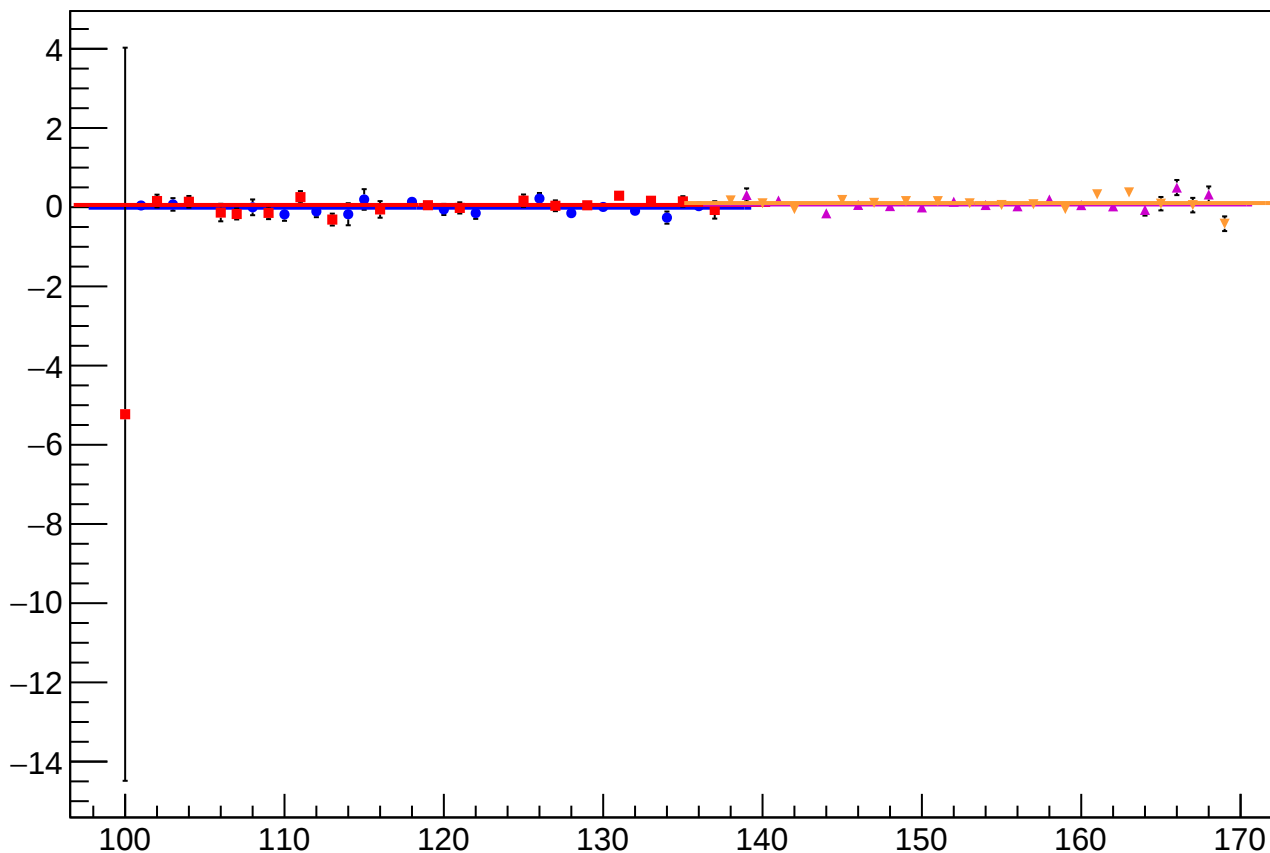
Left In: 0.047 ± 0.030 χ^2/NDF : 21.0/14

+ sign 0.110 ± 0.026 χ^2/NDF : 39.5/31

All: 0.101 ± 0.018 χ^2/NDF : 92.0/64

- sign 0.092 ± 0.026 χ^2/NDF : 52.3/32

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.105 ± 0.025 χ^2/NDF : 22.7/15

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

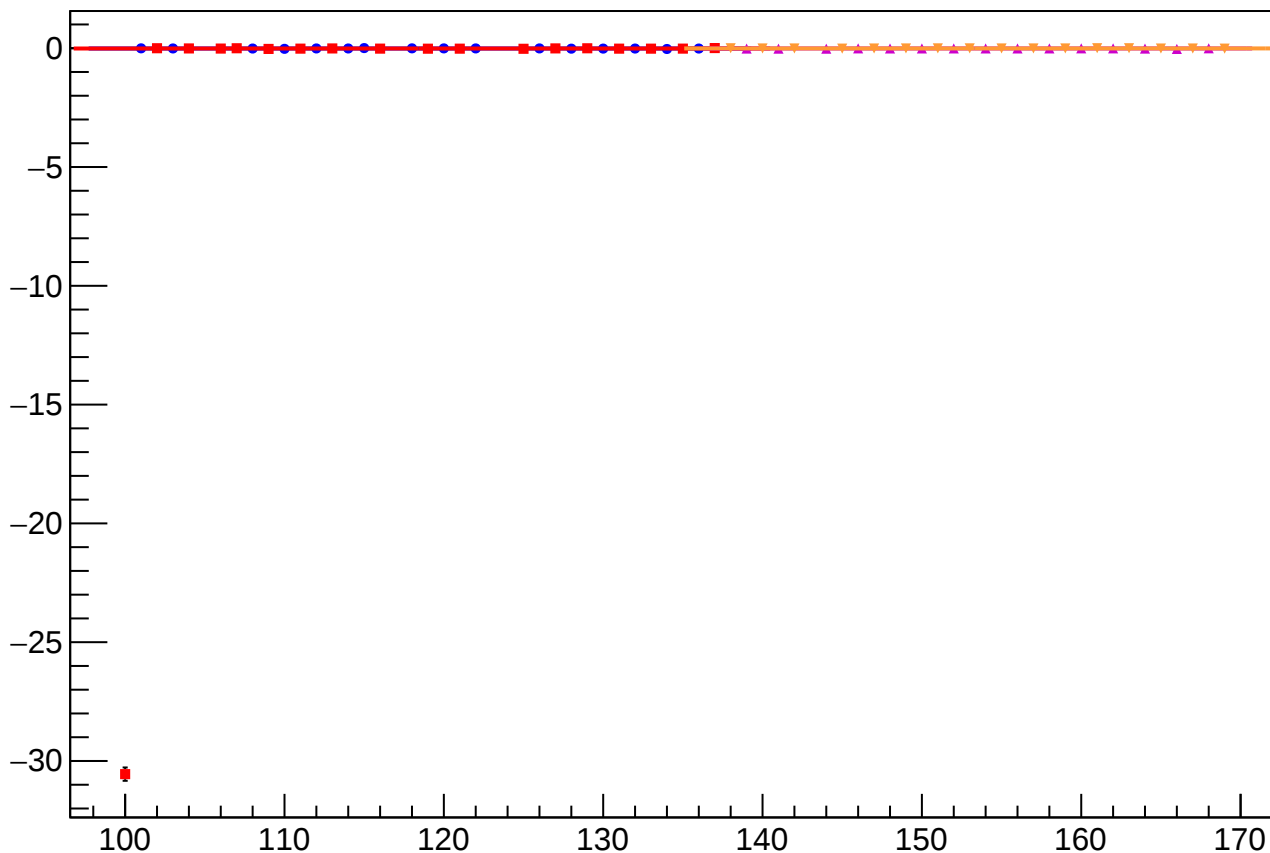
Left In: 0.069 ± 0.025 χ^2/NDF : 21.3/14

+ sign 0.061 ± 0.020 χ^2/NDF : 44.4/31

All: 0.063 ± 0.014 χ^2/NDF : 86.1/64

- sign 0.064 ± 0.020 χ^2/NDF : 41.8/32

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 13.5/15

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.4/17

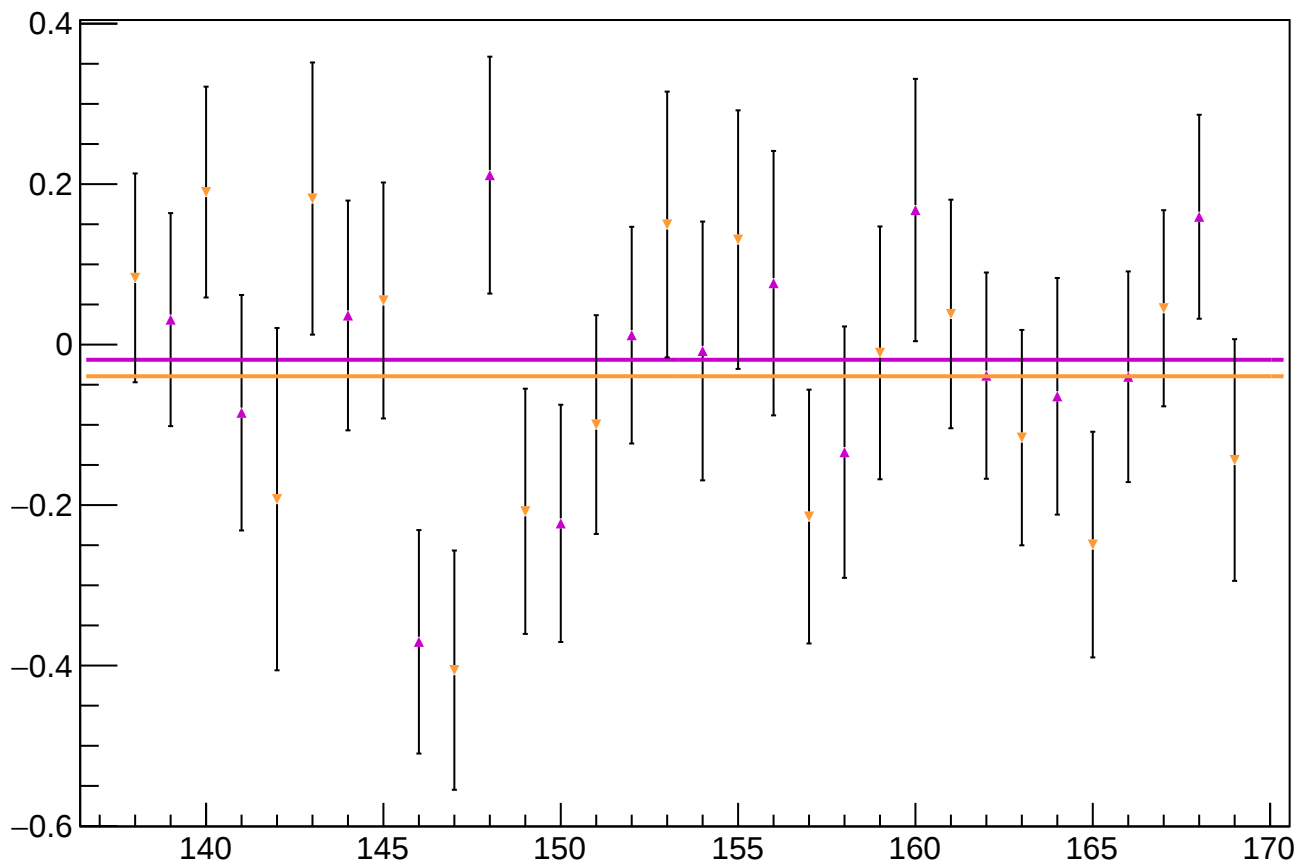
Left In: -0.011 ± 0.001 χ^2/NDF : 17.3/14

+ sign -0.010 ± 0.001 χ^2/NDF : 28.8/31

All: -0.010 ± 0.001 χ^2/NDF : 11939.2/64

- sign -0.011 ± 0.001 χ^2/NDF : 11909.0/32

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.039 $\pm$ 0.036 χ^2 /NDF: 21.5/16

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

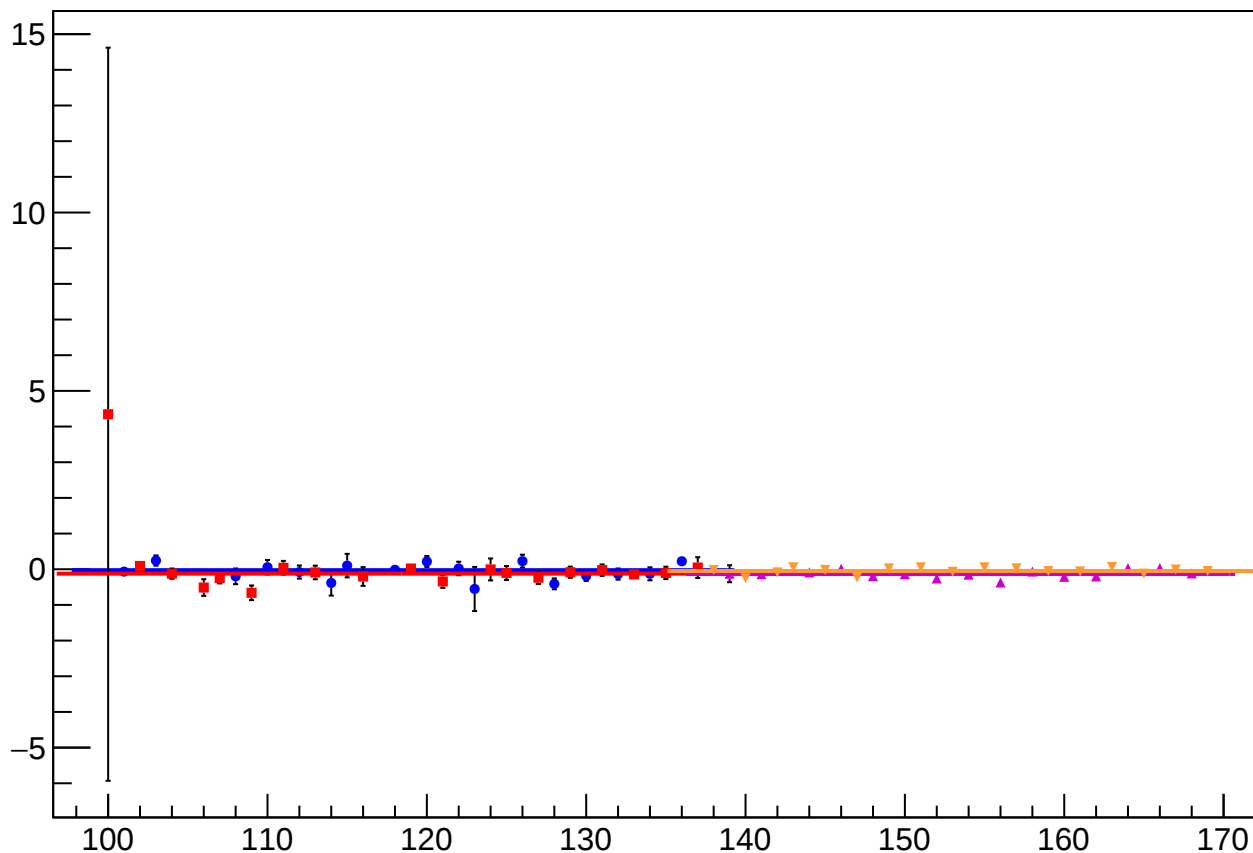
Left In: -0.019 $\pm$ 0.037 χ^2 /NDF: 15.5/14

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

All: -0.030 $\pm$ 0.026 χ^2 /NDF: 37.2/31

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

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.050 ± 0.025 χ^2/NDF : 16.5/16

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

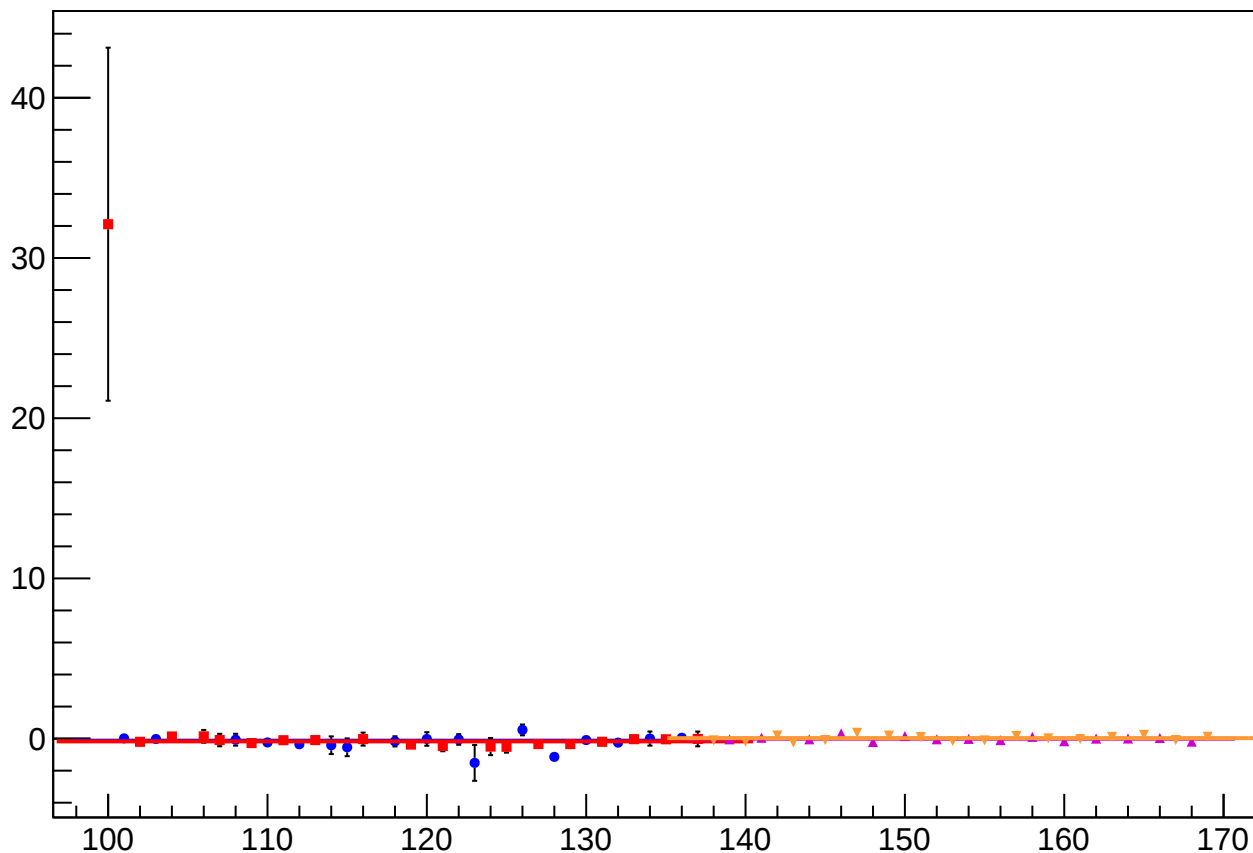
Left In: -0.135 ± 0.027 χ^2/NDF : 15.1/14

+ sign -0.042 ± 0.021 χ^2/NDF : 39.5/33

All: -0.084 ± 0.015 χ^2/NDF : 81.5/67

- sign -0.131 ± 0.022 χ^2/NDF : 33.4/33

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 $\pm$ 0.067 χ^2/NDF : 23.1/16

Left Out: 0.029 $\pm$ 0.035 χ^2/NDF : 21.3/16

Right Out: -0.172 $\pm$ 0.071 χ^2/NDF : 14.9/18

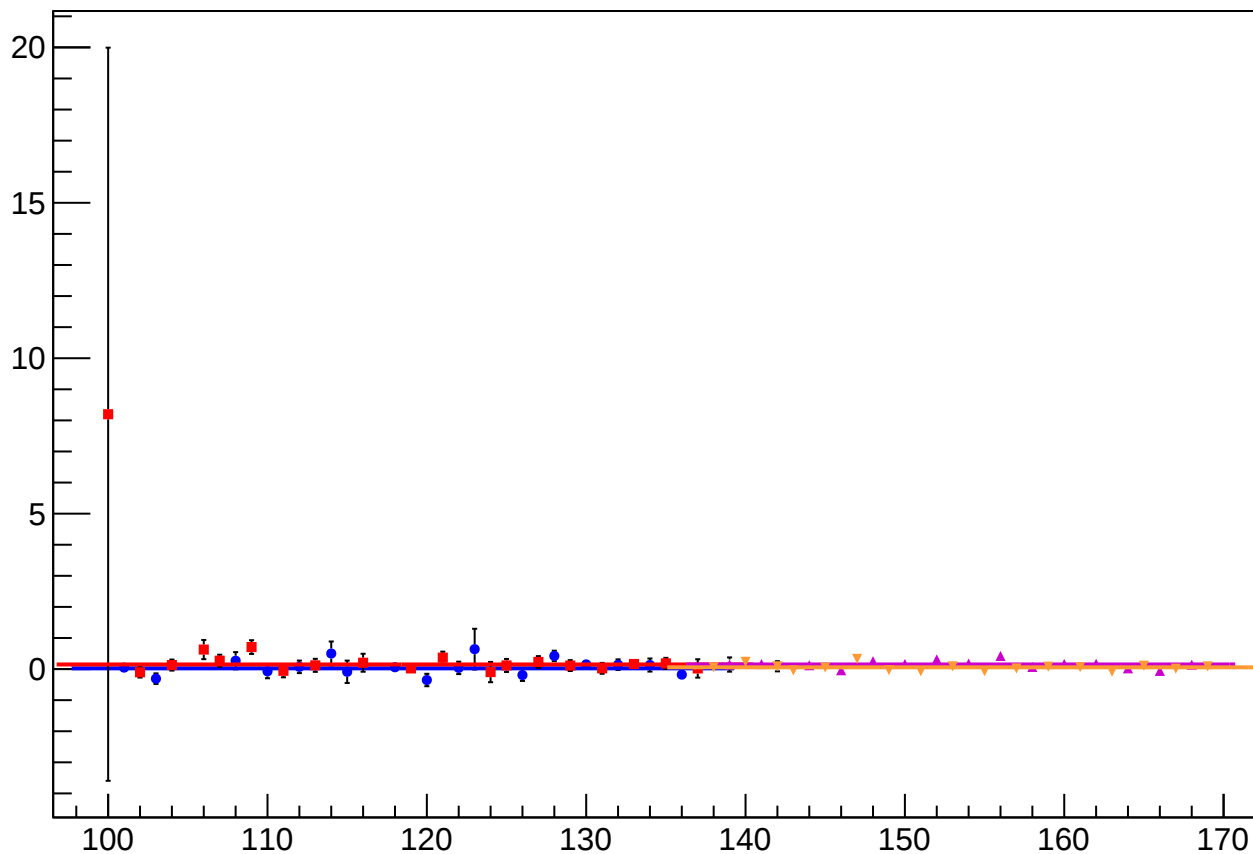
Left In: -0.004 $\pm$ 0.036 χ^2/NDF : 14.1/14

+ sign -0.005 $\pm$ 0.031 χ^2/NDF : 48.7/33

All: -0.022 $\pm$ 0.022 χ^2/NDF : 82.8/67

- sign -0.039 $\pm$ 0.032 χ^2/NDF : 33.5/33

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.057 ± 0.030 χ^2/NDF : 15.5/16

Right Out: 0.148 ± 0.045 χ^2/NDF : 16.6/18

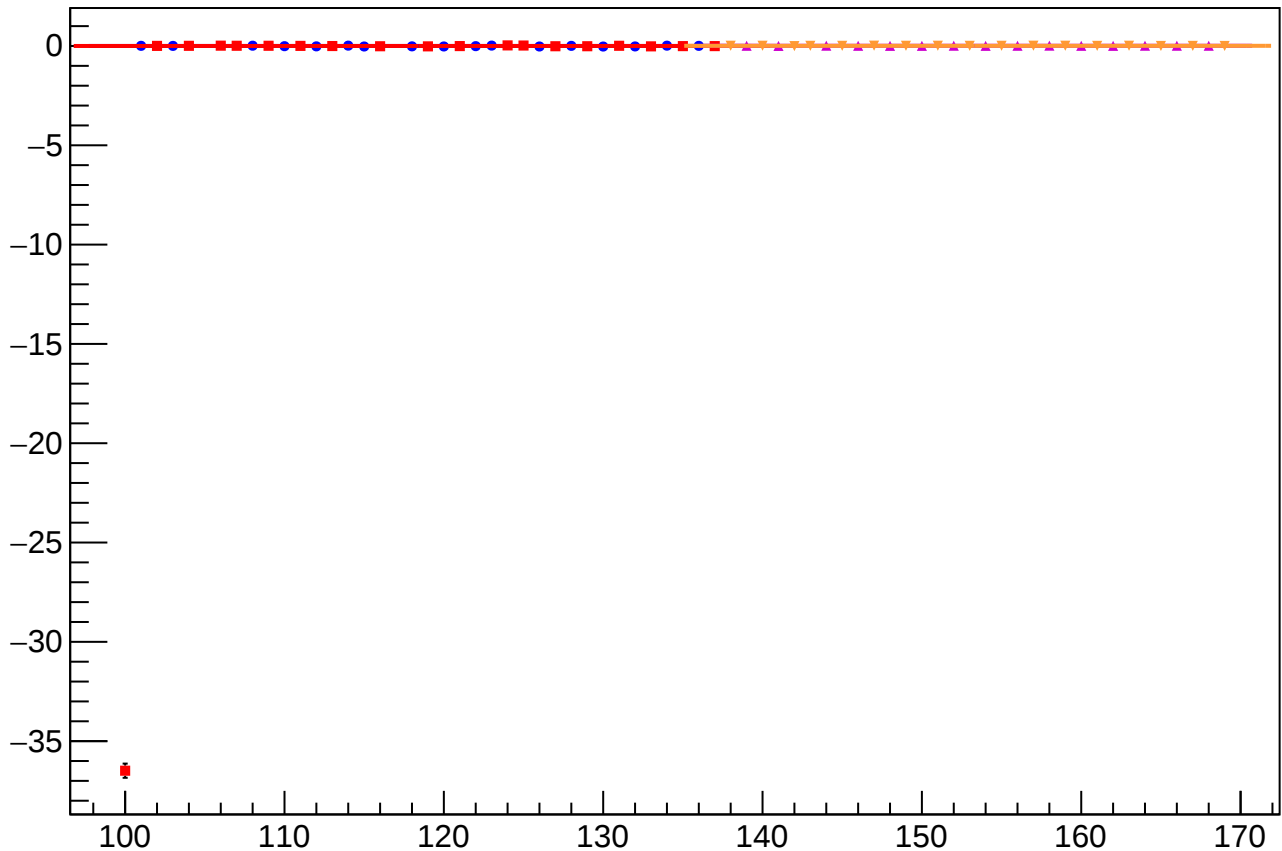
Left In: 0.148 ± 0.031 χ^2/NDF : 14.7/14

+ sign 0.046 ± 0.024 χ^2/NDF : 37.2/33

All: 0.094 ± 0.018 χ^2/NDF : 77.0/67

- sign 0.148 ± 0.026 χ^2/NDF : 31.3/33

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.009 $\pm$ 0.001 χ^2 /NDF: 11.4/16

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

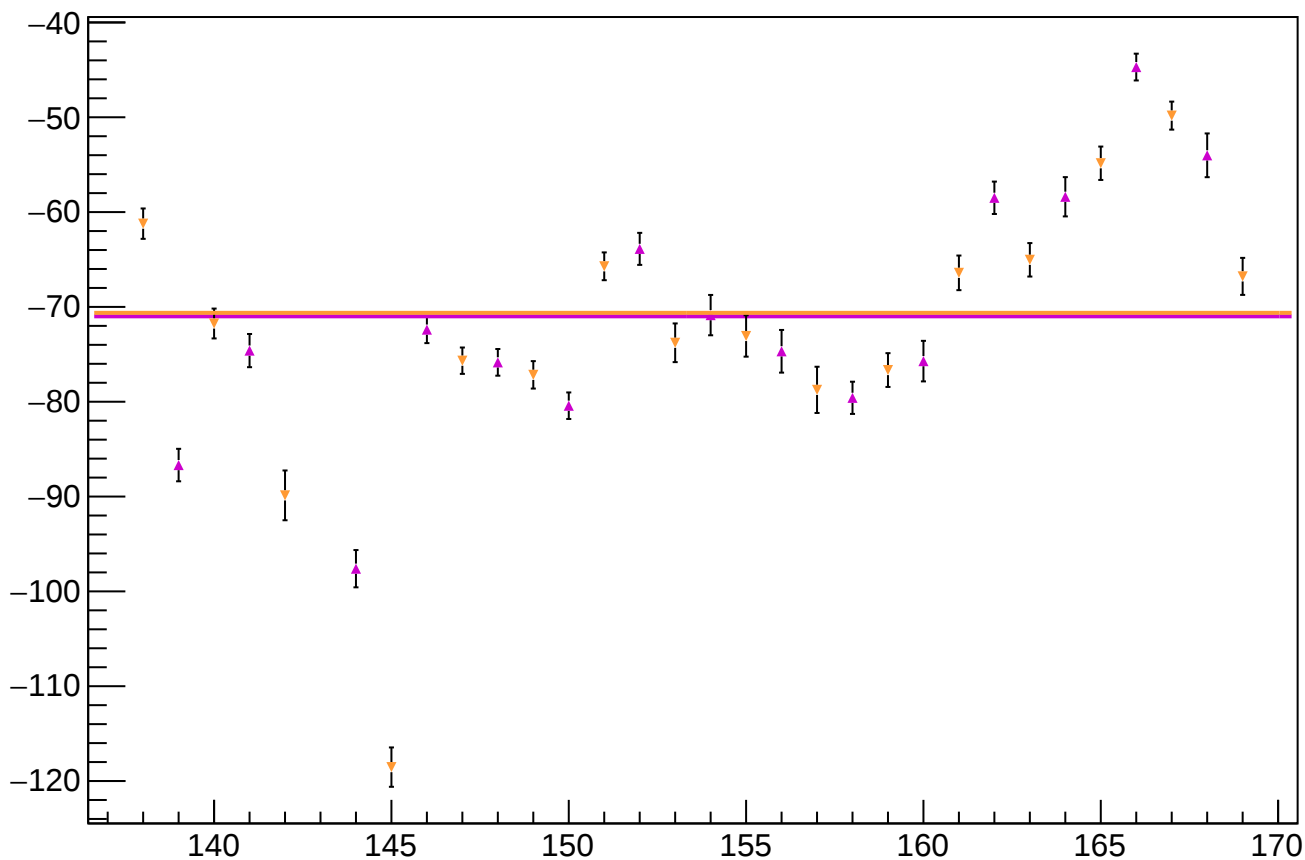
Left In: 0.011 $\pm$ 0.001 χ^2 /NDF: 5.8/14

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 50.5/33

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10520.7/67

- sign 0.008 $\pm$ 0.001 χ^2 /NDF: 10469.4/33

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -70.625+/-0.437 χ^2/NDF : 990.4/15

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

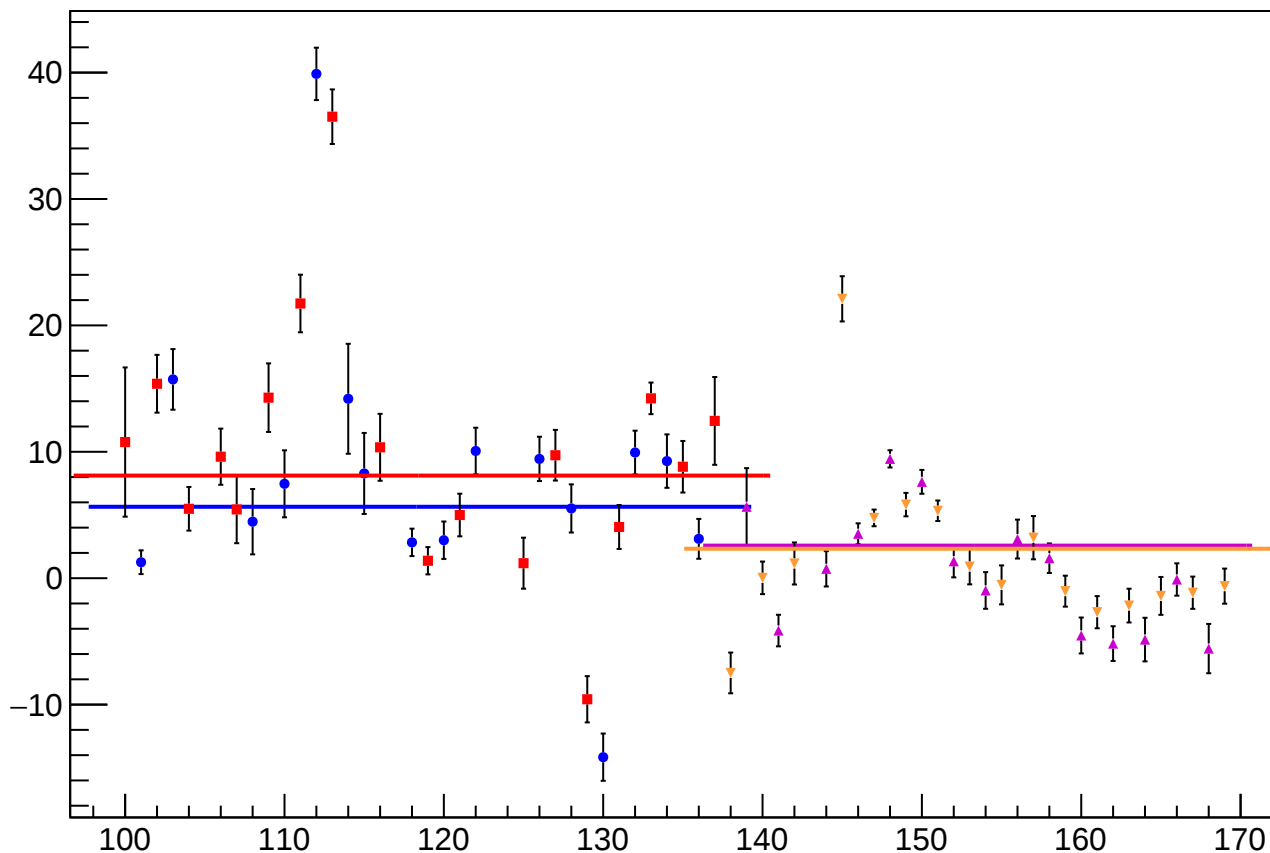
Left In: -70.993+/-0.446 χ^2/NDF : 871.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -70.805+/-0.312 χ^2/NDF : 1862.5/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 $\chi^2/\text{NDF}: 461.9/15$

Left Out: 2.332 ± 0.297 $\chi^2/\text{NDF}: 262.0/15$

Right Out: 8.119 ± 0.453 $\chi^2/\text{NDF}: 407.9/17$

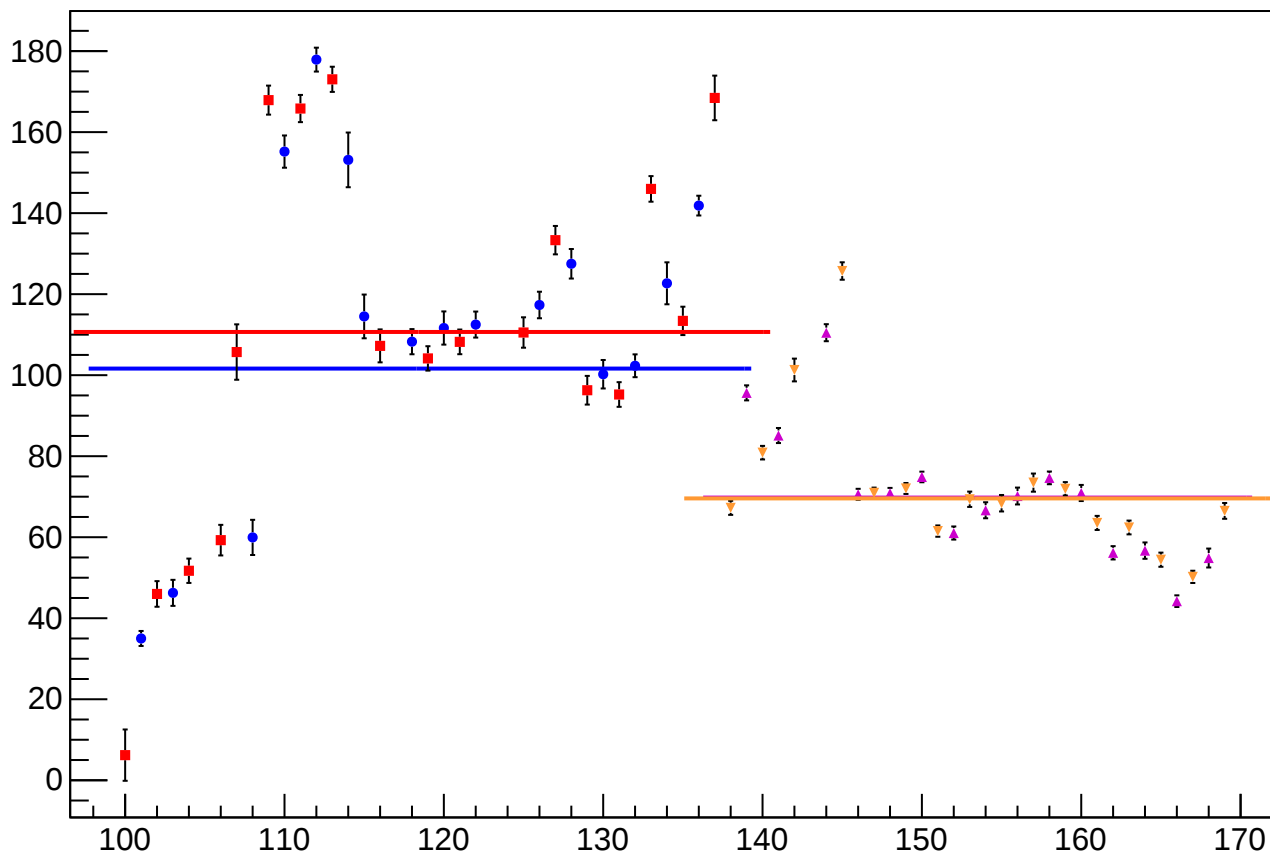
Left In: 2.577 ± 0.309 $\chi^2/\text{NDF}: 267.9/14$

+ sign 3.406 ± 0.244 $\chi^2/\text{NDF}: 764.4/31$

All: 3.852 ± 0.176 $\chi^2/\text{NDF}: 1549.5/64$

- sign 4.338 ± 0.255 $\chi^2/\text{NDF}: 778.1/32$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 69.578 $\pm$ 0.428 χ^2 /NDF:1167.7/15

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

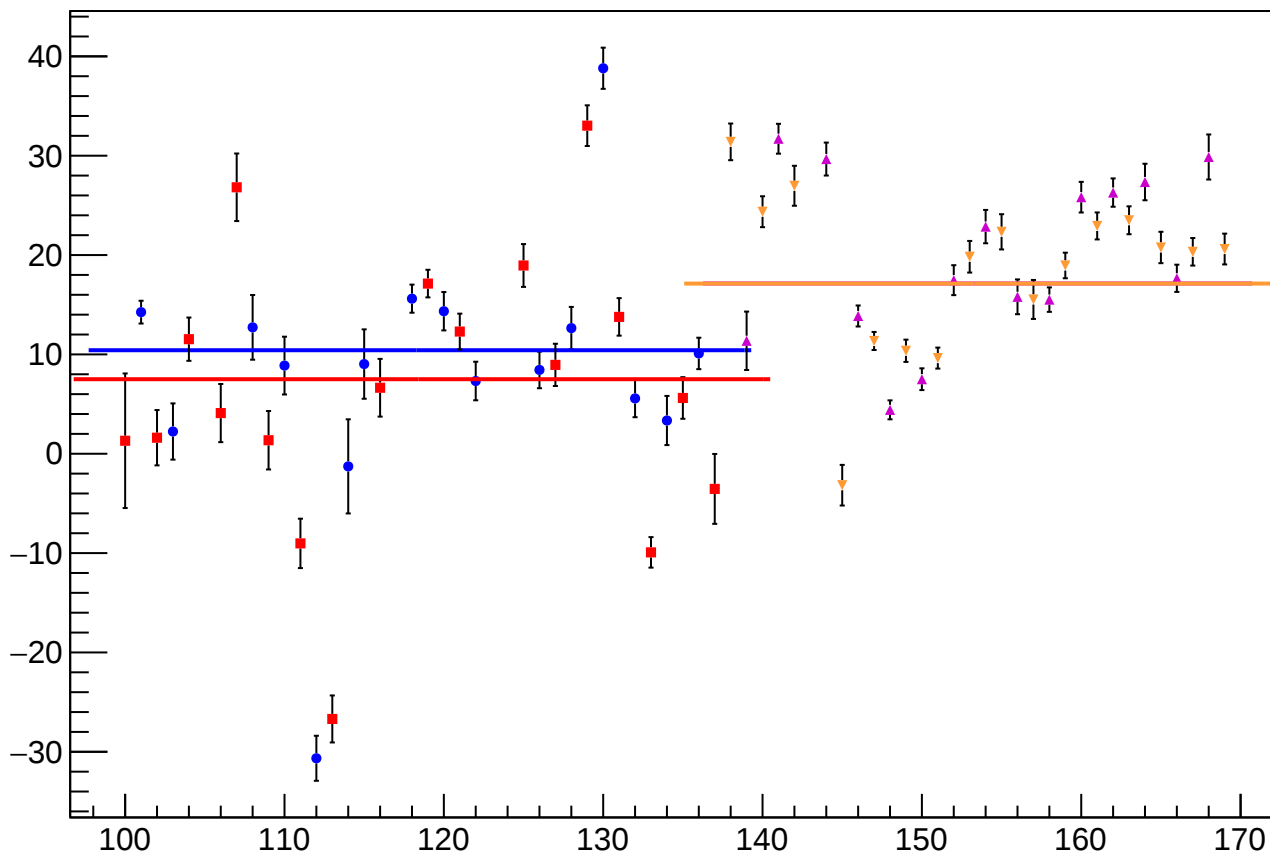
Left In: 69.785 $\pm$ 0.434 χ^2 /NDF:1161.9/14

+ sign 76.536 $\pm$ 0.378 χ^2 /NDF: 5367.6/31

All: 77.479 $\pm$ 0.270 χ^2 /NDF: 10940.1/64

- sign 78.456 $\pm$ 0.385 χ^2 /NDF: 5559.9/32

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 17.129 $\pm$ 0.352 χ^2 /NDF: 399.7/15

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

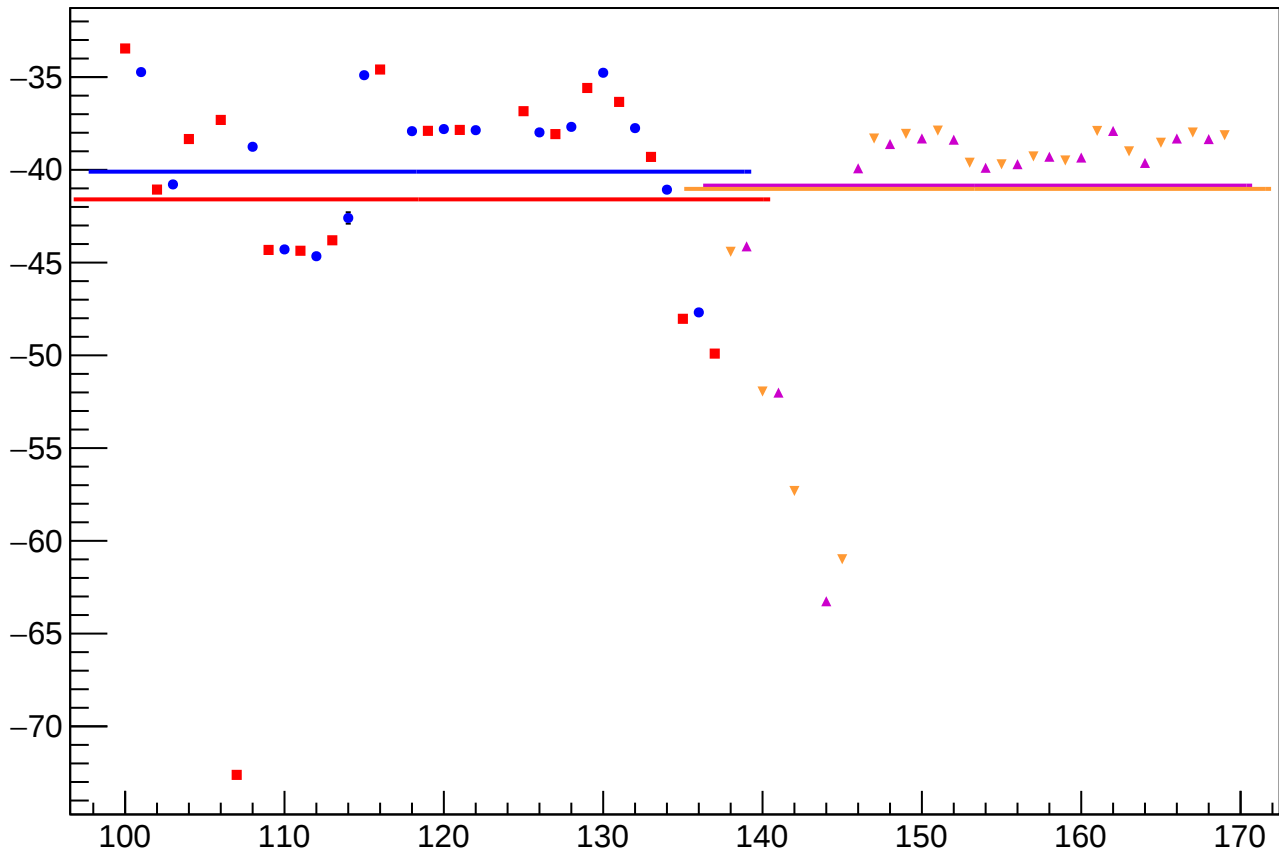
Left In: 17.139 $\pm$ 0.366 χ^2 /NDF: 569.2/14

+ sign 14.888 $\pm$ 0.287 χ^2 /NDF: 1100.6/31

All: 14.450 $\pm$ 0.208 χ^2 /NDF: 2591.9/64

- sign 13.974 $\pm$ 0.300 χ^2 /NDF: 1486.5/32

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -41.026 ± 0.017 $\chi^2/\text{NDF}: 117798.4/15$

Right Out: -41.592 ± 0.029 $\chi^2/\text{NDF}: 61677.7/17$

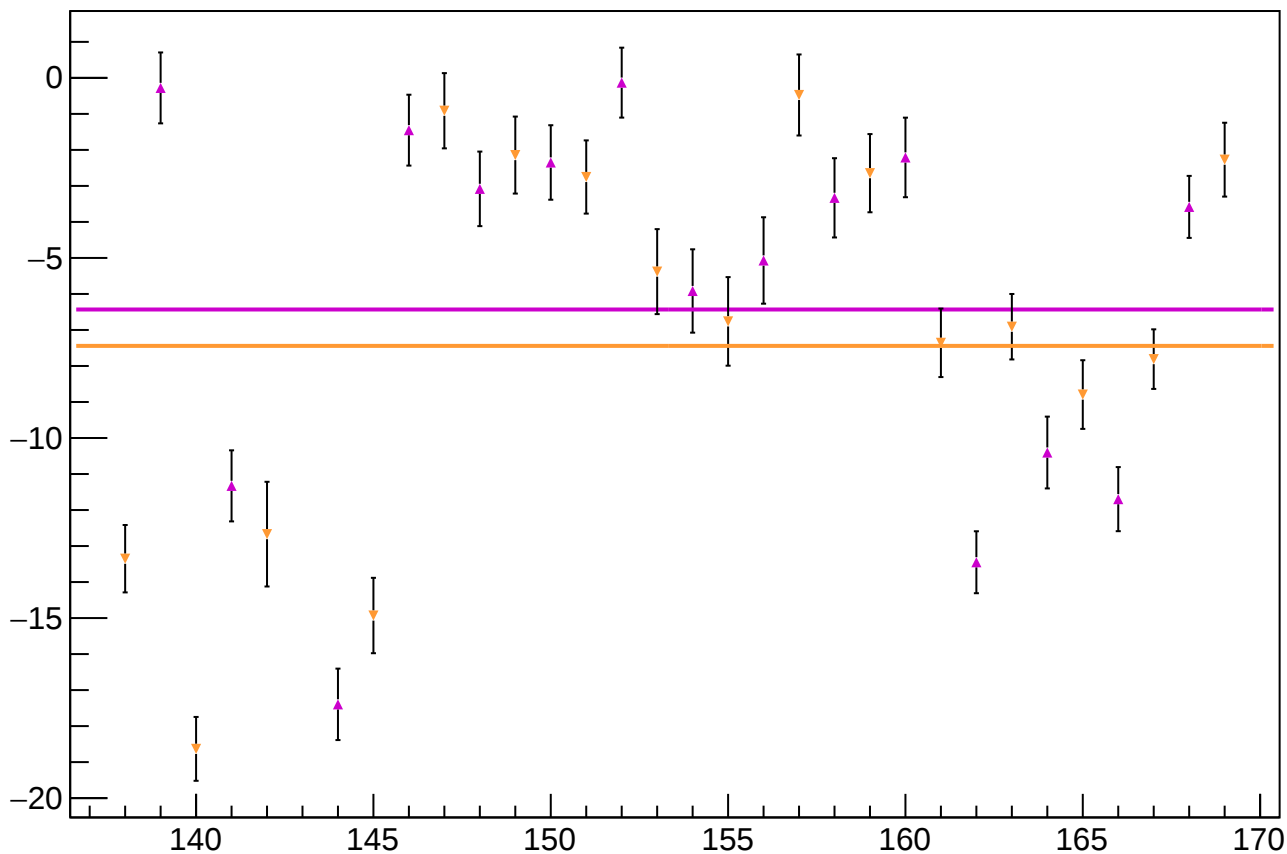
Left In: -40.851 ± 0.017 $\chi^2/\text{NDF}: 95199.1/14$

+ sign -40.779 ± 0.015 $\chi^2/\text{NDF}: 143659.2/31$

All: -40.912 ± 0.010 $\chi^2/\text{NDF}: 301197.6/64$

- sign -41.050 ± 0.015 $\chi^2/\text{NDF}: 157368.7/32$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -7.442 $\pm$ 0.255 χ^2 /NDF: 437.4/15

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

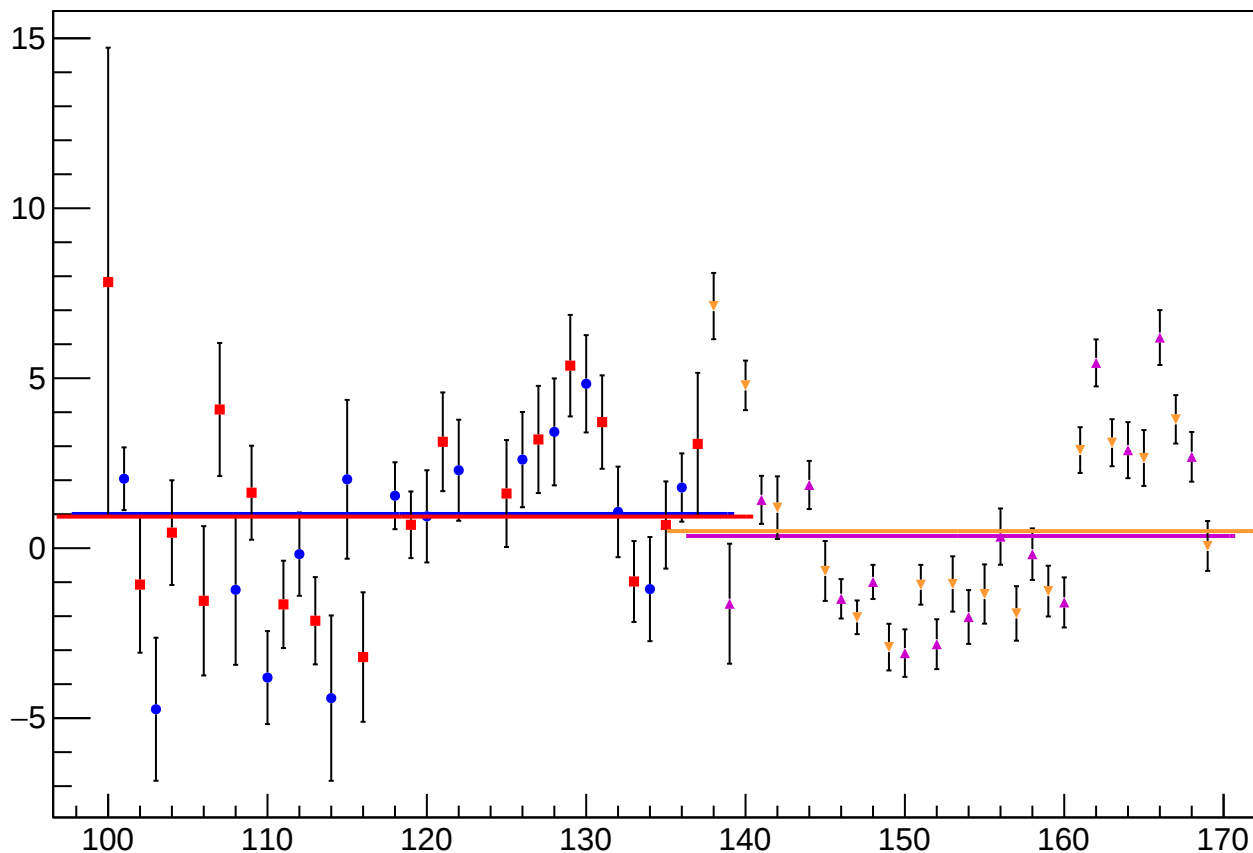
Left In: -6.432 $\pm$ 0.257 χ^2 /NDF: 432.1/14

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

All: -6.942 $\pm$ 0.181 χ^2 /NDF: 877.2/30

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

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: 0.503 ± 0.182 χ^2/NDF : 219.3/15

Right Out: 0.929 ± 0.353 χ^2/NDF : 41.9/17

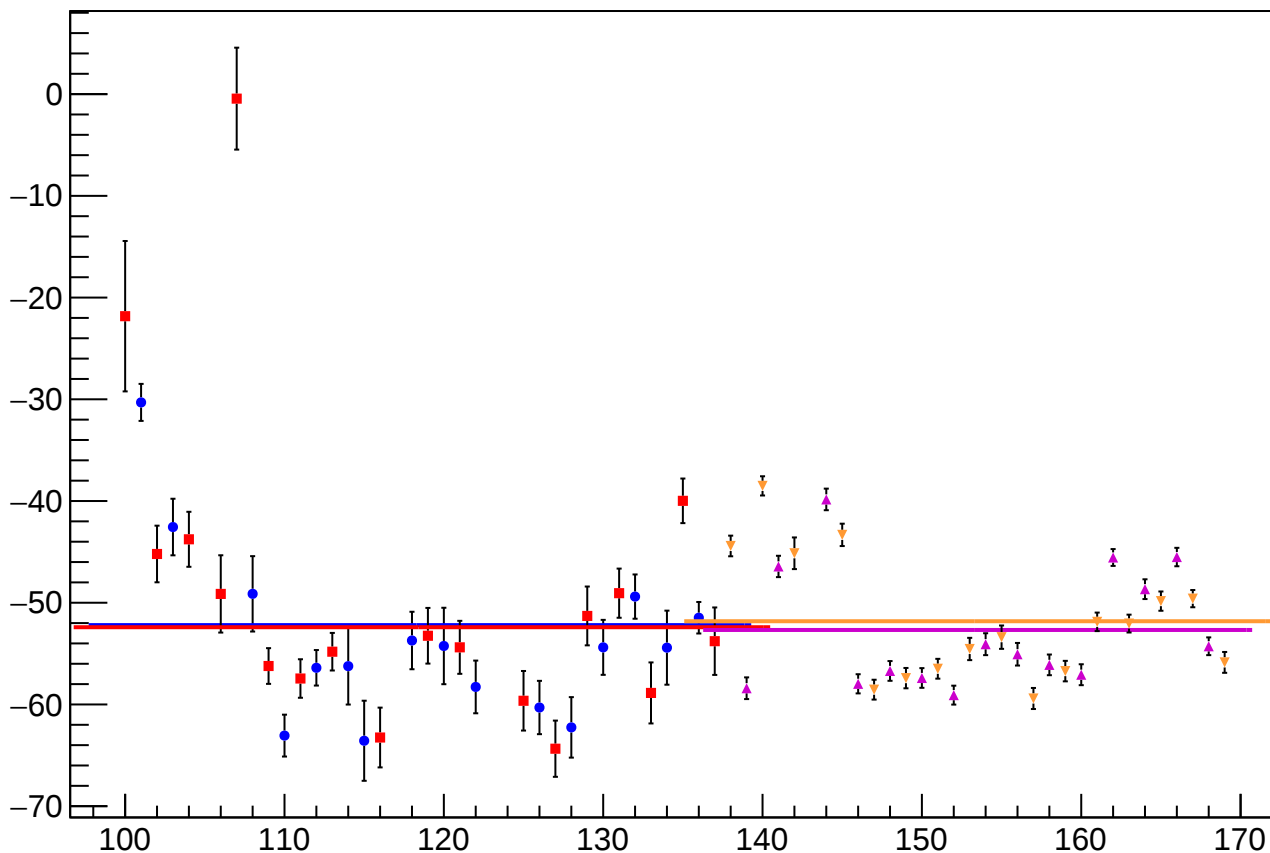
Left In: 0.358 ± 0.186 χ^2/NDF : 211.1/14

+ sign 0.614 ± 0.160 χ^2/NDF : 263.7/31

All: 0.550 ± 0.115 χ^2/NDF : 519.1/64

- sign 0.483 ± 0.165 χ^2/NDF : 255.0/32

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.818 ± 0.251 χ^2/NDF : 544.1/15

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

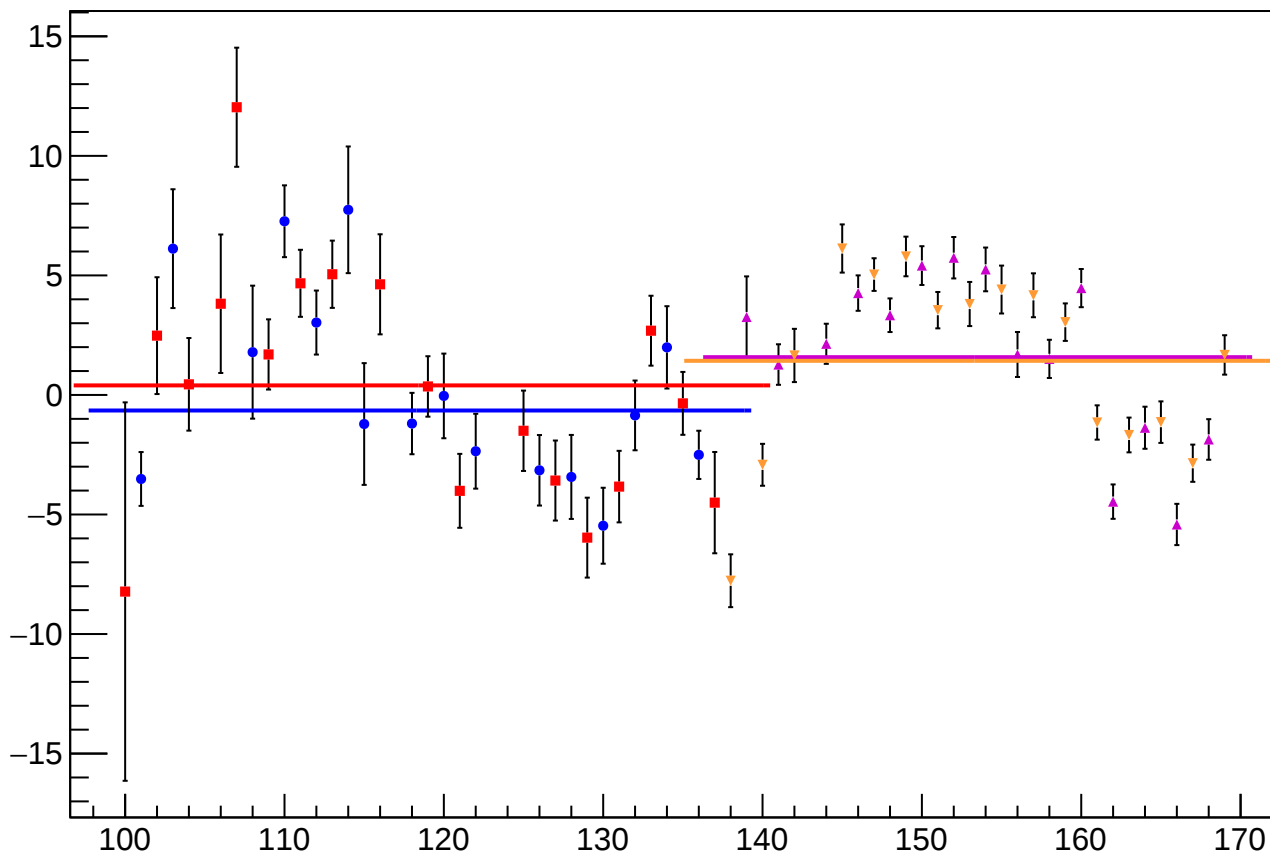
Left In: -52.677 ± 0.252 χ^2/NDF : 523.7/14

+ sign -51.873 ± 0.232 χ^2/NDF : 775.1/31

All: -52.253 ± 0.165 χ^2/NDF : 1538.3/64

- sign -52.638 ± 0.233 χ^2/NDF : 757.8/32

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 1.428 ± 0.211 χ^2/NDF : 277.9/15

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

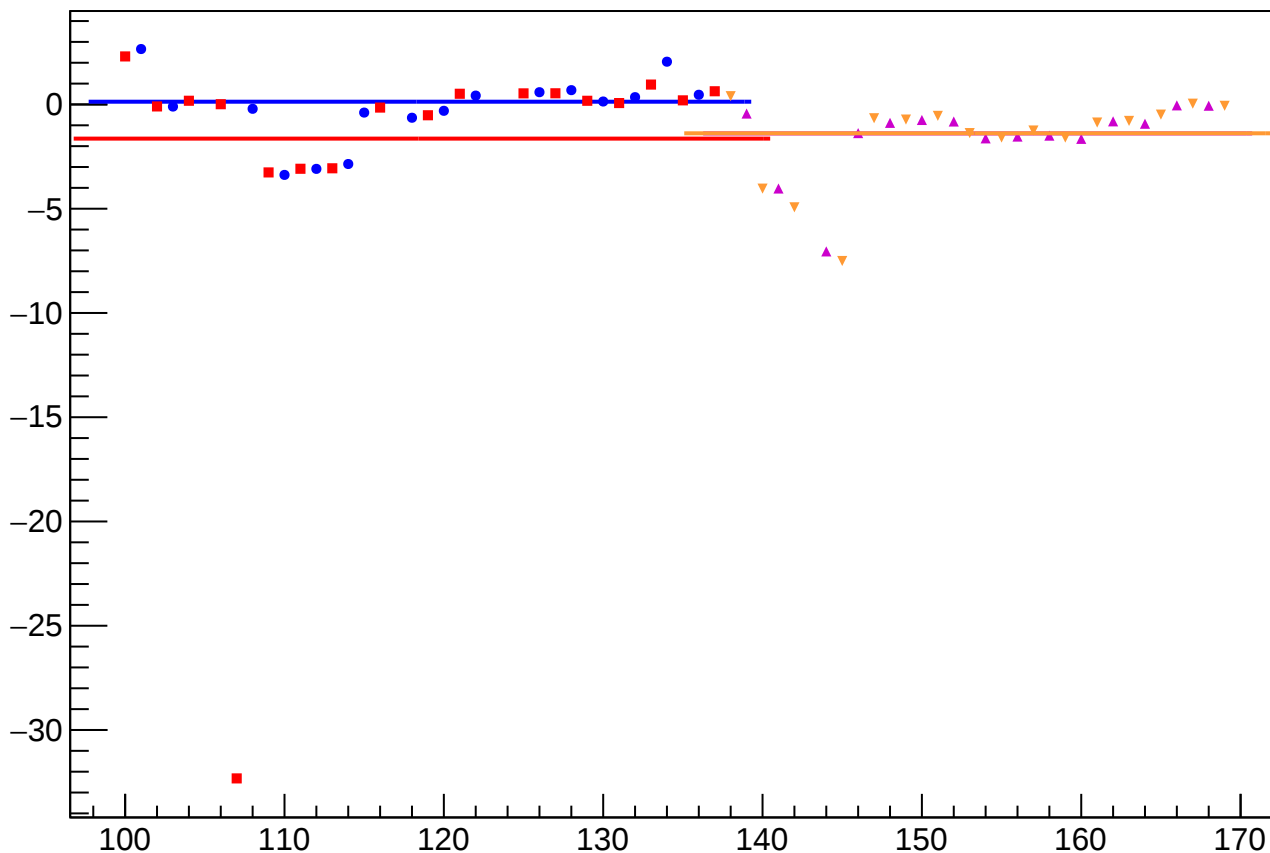
Left In: 1.580 ± 0.217 χ^2/NDF : 259.5/14

+ sign 0.952 ± 0.185 χ^2/NDF : 382.1/31

All: 1.127 ± 0.133 χ^2/NDF : 746.1/64

- sign 1.312 ± 0.191 χ^2/NDF : 362.2/32

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.383 ± 0.010 $\chi^2/\text{NDF}: 34446.1/15$

Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$

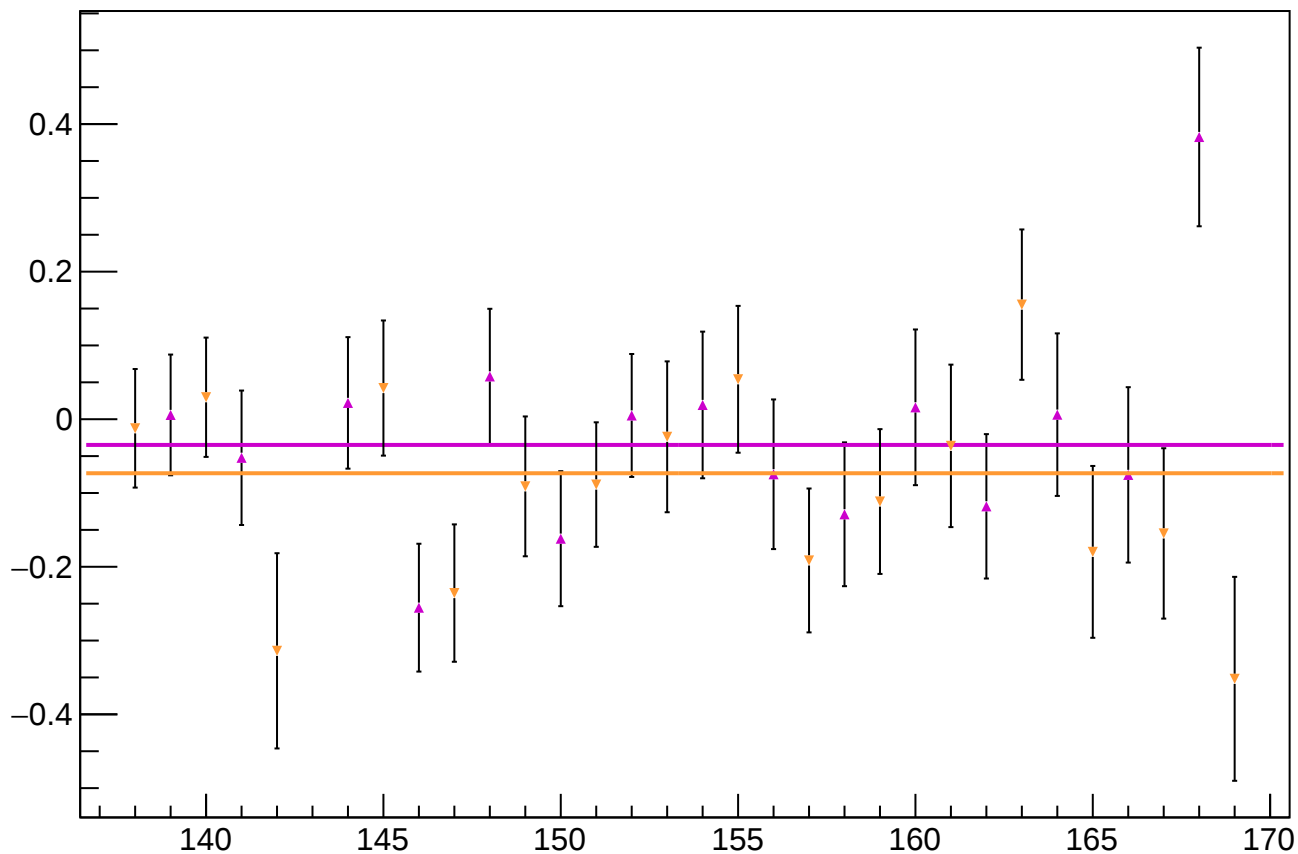
Left In: -1.390 ± 0.010 $\chi^2/\text{NDF}: 23388.5/14$

+ sign -1.123 ± 0.009 $\chi^2/\text{NDF}: 43783.5/31$

All: -1.276 ± 0.006 $\chi^2/\text{NDF}: 145719.4/64$

- sign -1.432 ± 0.009 $\chi^2/\text{NDF}: 101344.1/32$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.073 $\pm$ 0.025 χ^2 /NDF: 24.2/15

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

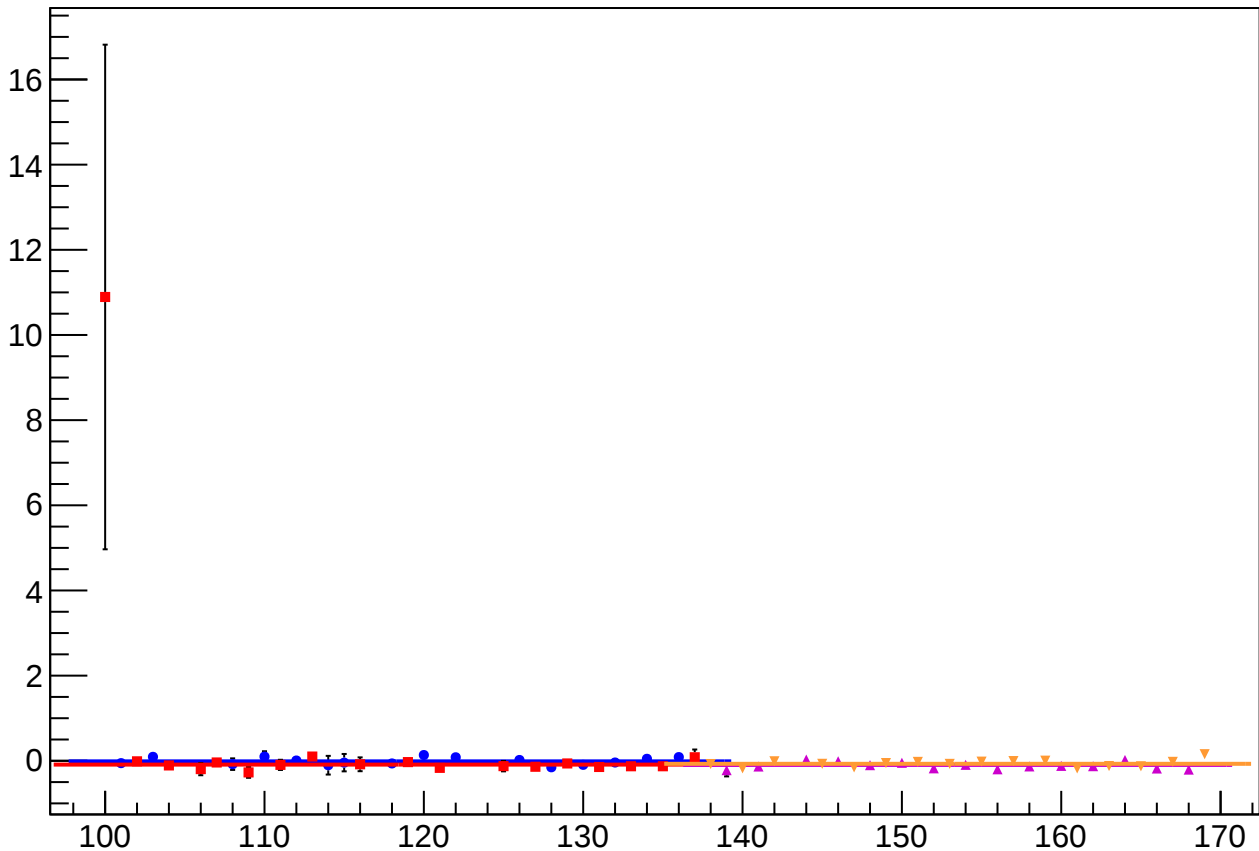
Left In: -0.035 $\pm$ 0.025 χ^2 /NDF: 24.8/14

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

All: -0.054 $\pm$ 0.017 χ^2 /NDF: 50.3/30

- 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 : 11.7/15

Left Out: -0.071 ± 0.017 χ^2/NDF : 18.3/15

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

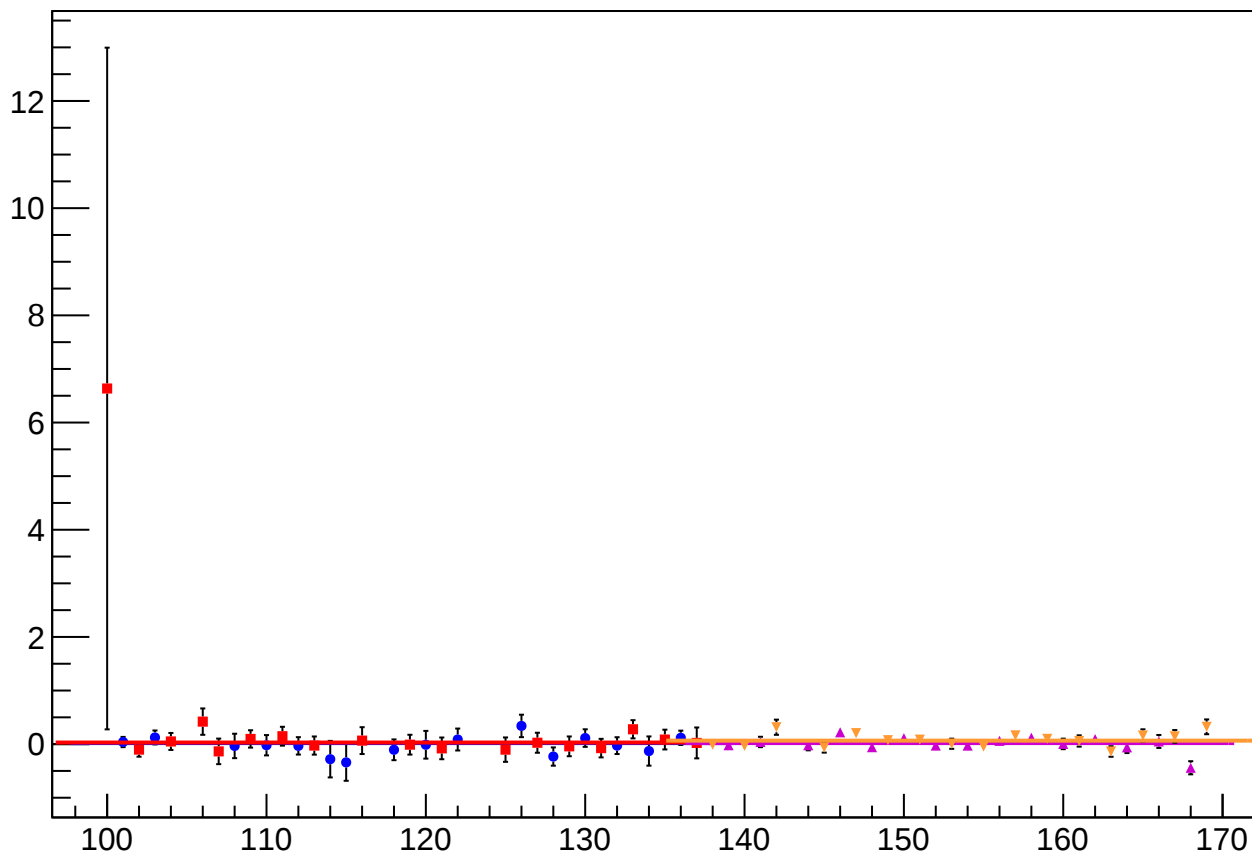
Left In: -0.097 ± 0.018 χ^2/NDF : 15.9/14

+ sign -0.050 ± 0.014 χ^2/NDF : 33.9/31

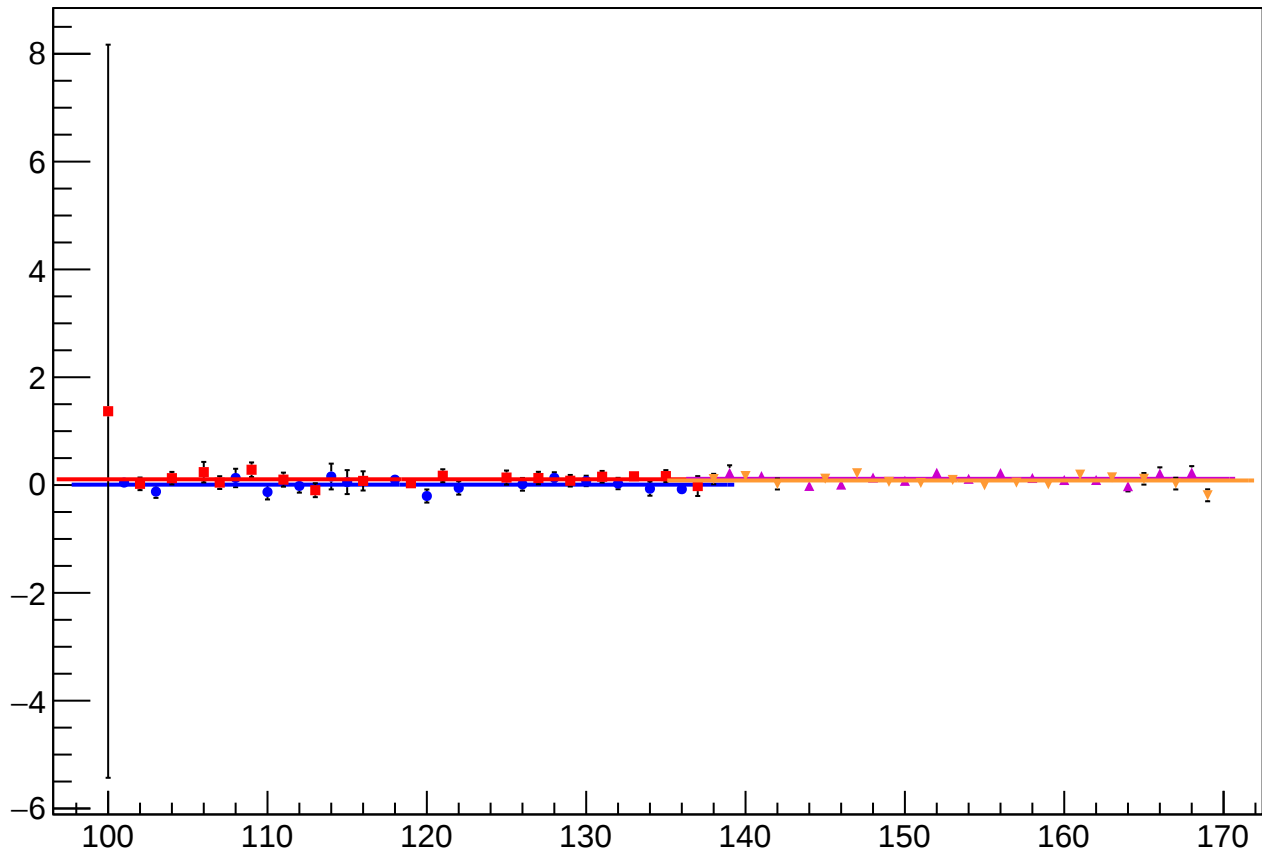
All: -0.072 ± 0.010 χ^2/NDF : 67.7/64

- sign -0.095 ± 0.014 χ^2/NDF : 29.0/32

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.085 ± 0.020 χ^2/NDF : 18.3/15

Right Out: 0.107 ± 0.029 χ^2/NDF : 8.2/17

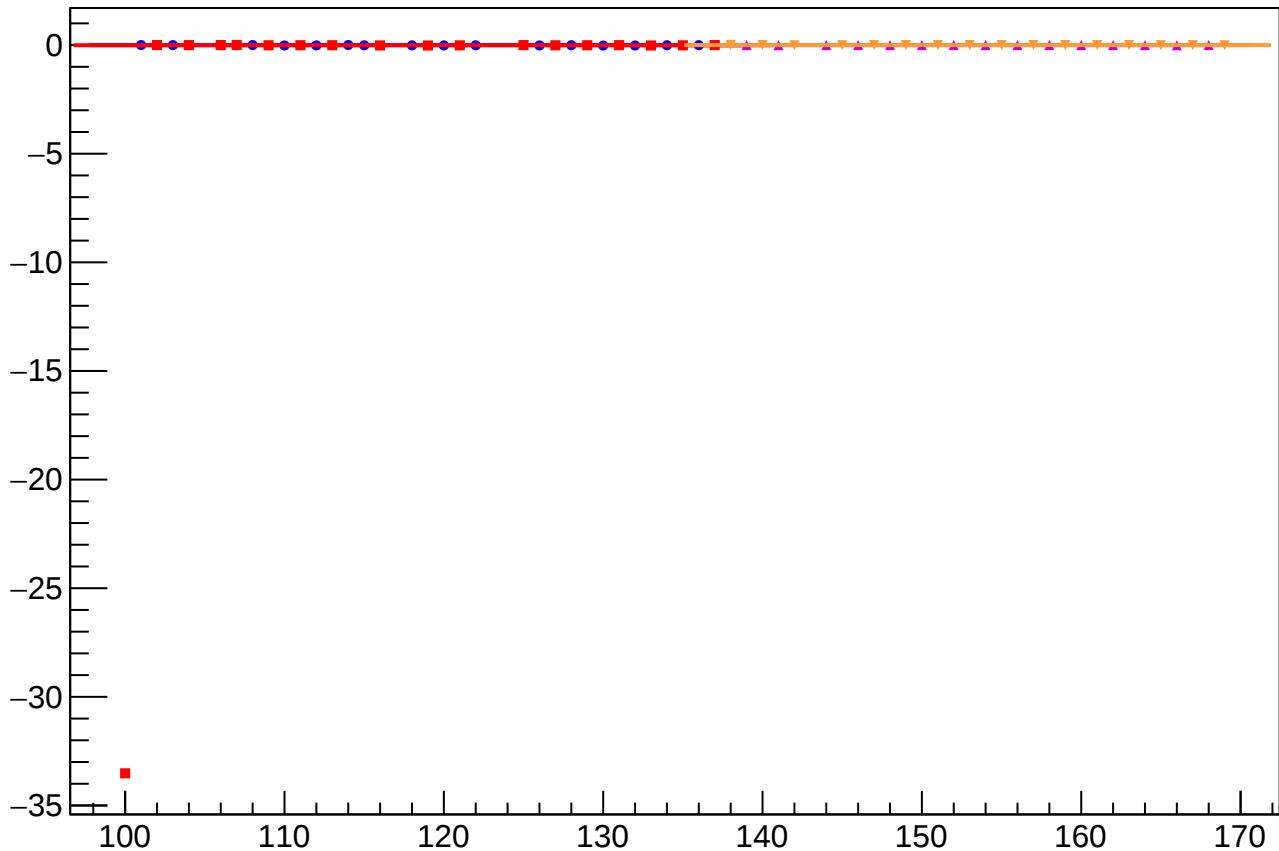
Left In: 0.115 ± 0.021 χ^2/NDF : 15.0/14

+ sign 0.057 ± 0.016 χ^2/NDF : 34.8/31

All: 0.084 ± 0.012 χ^2/NDF : 63.6/64

- sign 0.112 ± 0.017 χ^2/NDF : 23.2/32

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 +/- 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 +/- 0.001 χ^2/NDF : 14.6/15

Right Out: -0.006 +/- 0.001 χ^2/NDF : 26508.7/17

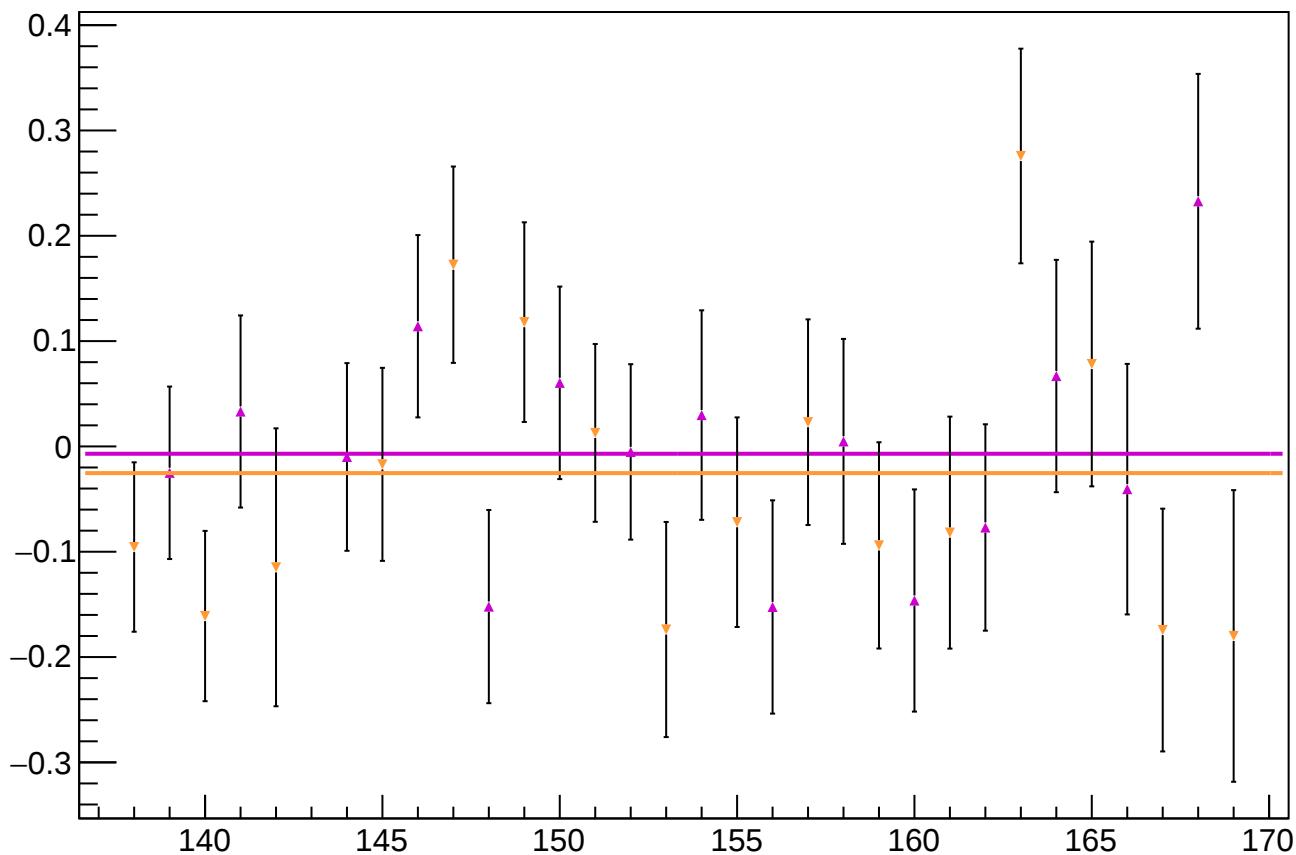
Left In: 0.000 +/- 0.001 χ^2/NDF : 11.4/14

+ sign -0.001 +/- 0.001 χ^2/NDF : 48.5/31

All: -0.001 +/- 0.001 χ^2/NDF : 26580.6/64

- sign -0.002 +/- 0.001 χ^2/NDF : 26531.8/32

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.025 $\pm$ 0.025 χ^2 /NDF: 26.8/15

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

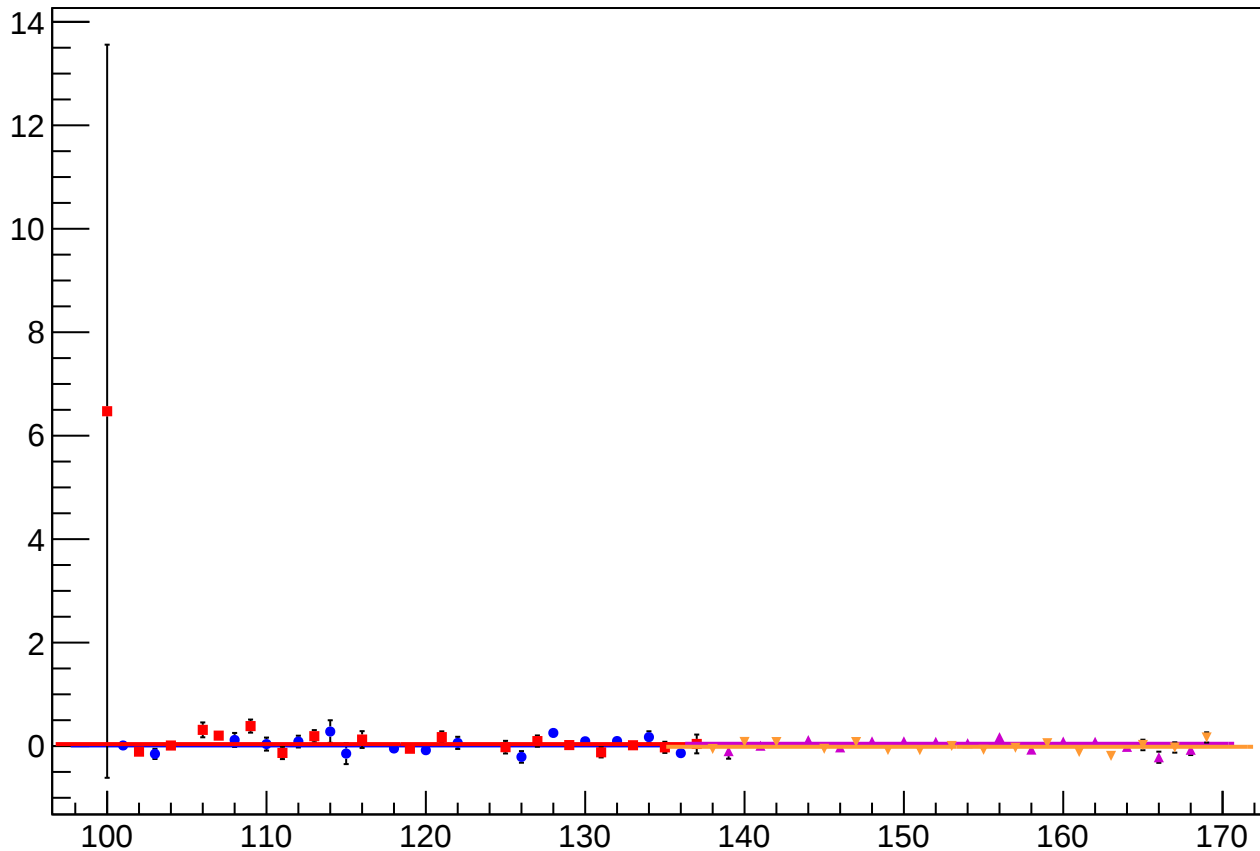
Left In: -0.007 $\pm$ 0.025 χ^2 /NDF: 14.2/14

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

All: -0.016 $\pm$ 0.017 χ^2 /NDF: 41.3/30

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

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.014 ± 0.017 χ^2/NDF : 23.0/15

Right Out: 0.038 ± 0.025 χ^2/NDF : 28.4/17

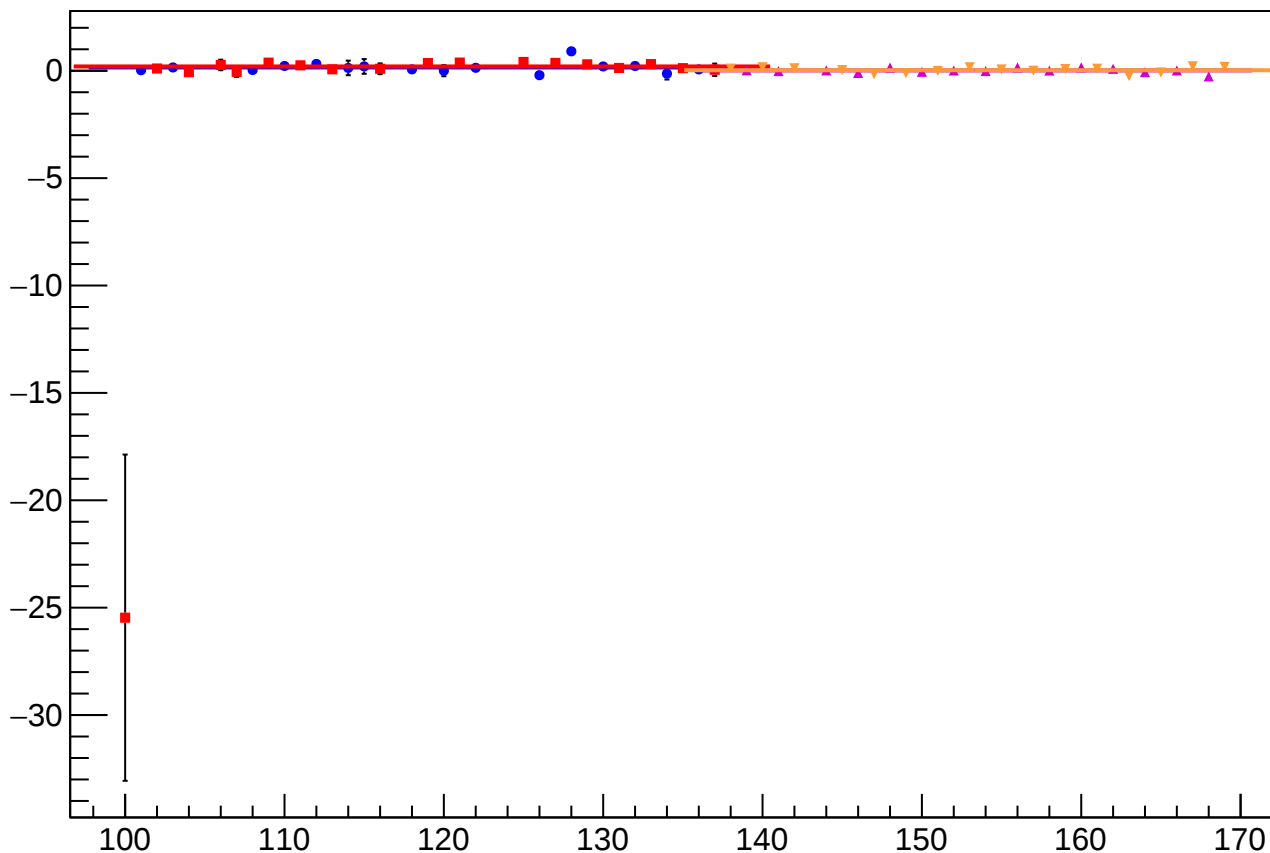
Left In: 0.044 ± 0.018 χ^2/NDF : 20.7/14

+ sign -0.005 ± 0.014 χ^2/NDF : 48.8/31

All: 0.018 ± 0.010 χ^2/NDF : 103.5/64

- sign 0.042 ± 0.014 χ^2/NDF : 49.2/32

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.025 $\pm$ 0.024 χ^2 /NDF: 26.2/15

Right Out: 0.201 $\pm$ 0.045 χ^2 /NDF: 22.6/17

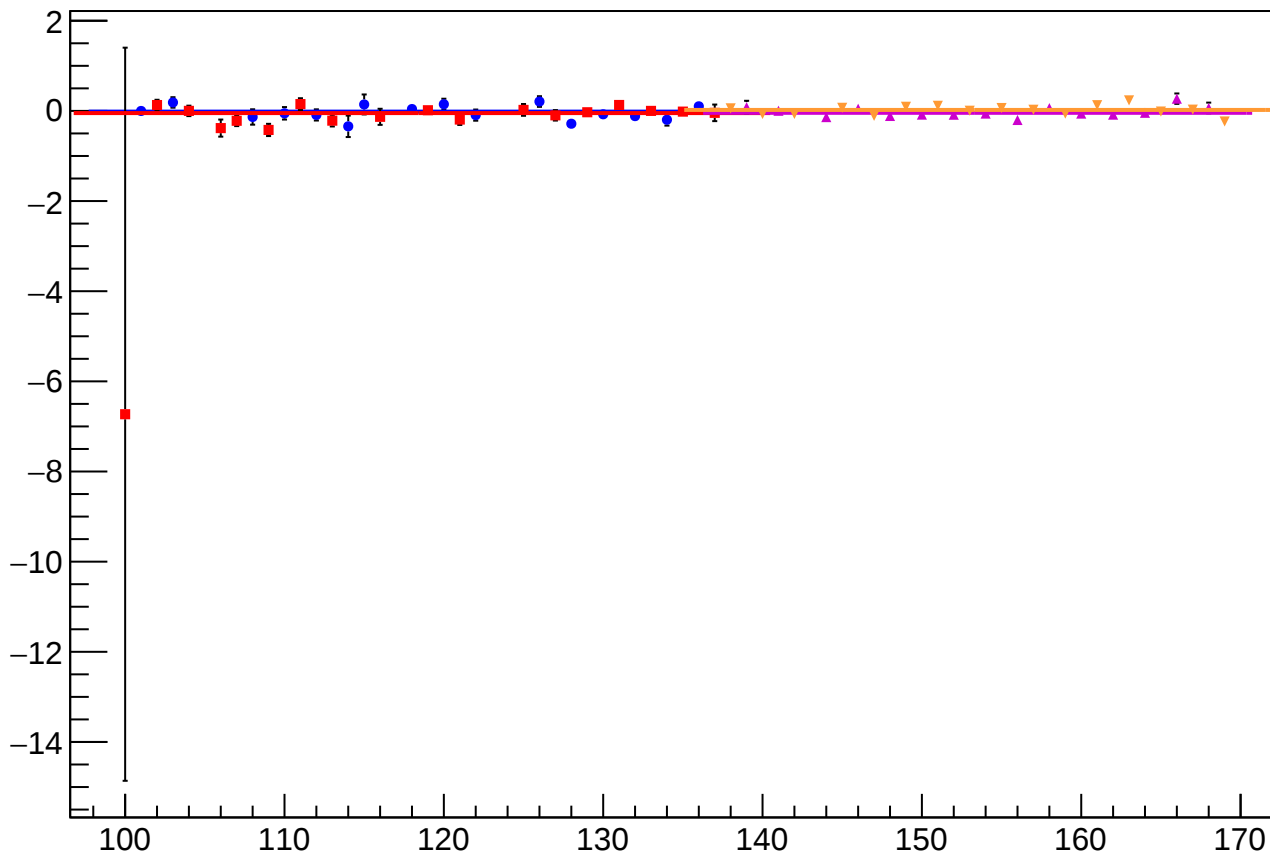
Left In: 0.015 $\pm$ 0.024 χ^2 /NDF: 15.9/14

+ sign 0.056 $\pm$ 0.021 χ^2 /NDF: 61.0/31

All: 0.057 $\pm$ 0.015 χ^2 /NDF: 112.7/64

- sign 0.057 $\pm$ 0.021 χ^2 /NDF: 51.7/32

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.021 ± 0.020 χ^2/NDF : 25.6/15

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

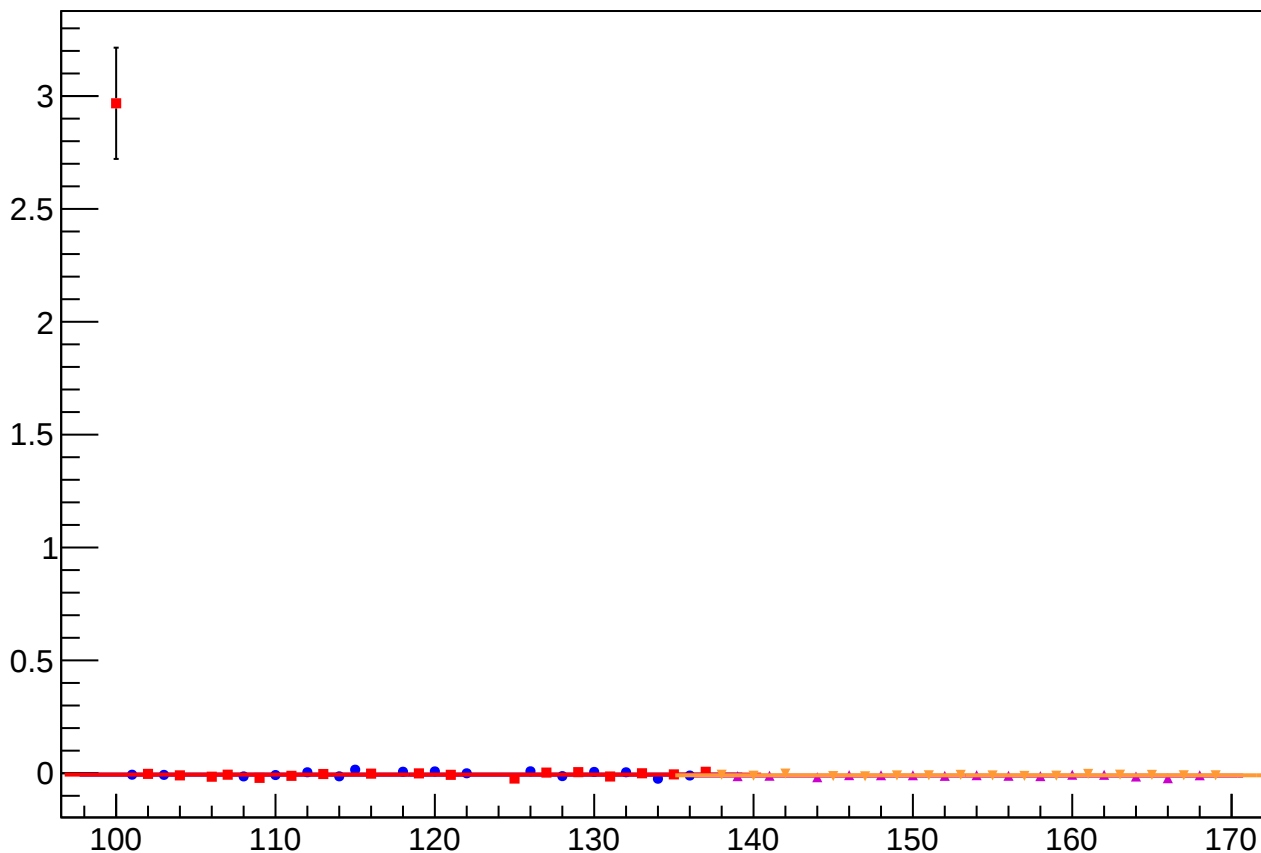
Left In: -0.042 ± 0.021 χ^2/NDF : 21.3/14

+ sign 0.008 ± 0.016 χ^2/NDF : 51.2/31

All: -0.018 ± 0.012 χ^2/NDF : 103.5/64

- sign -0.044 ± 0.017 χ^2/NDF : 47.2/32

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.009 ± 0.001 χ^2/NDF : 9.2/15

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

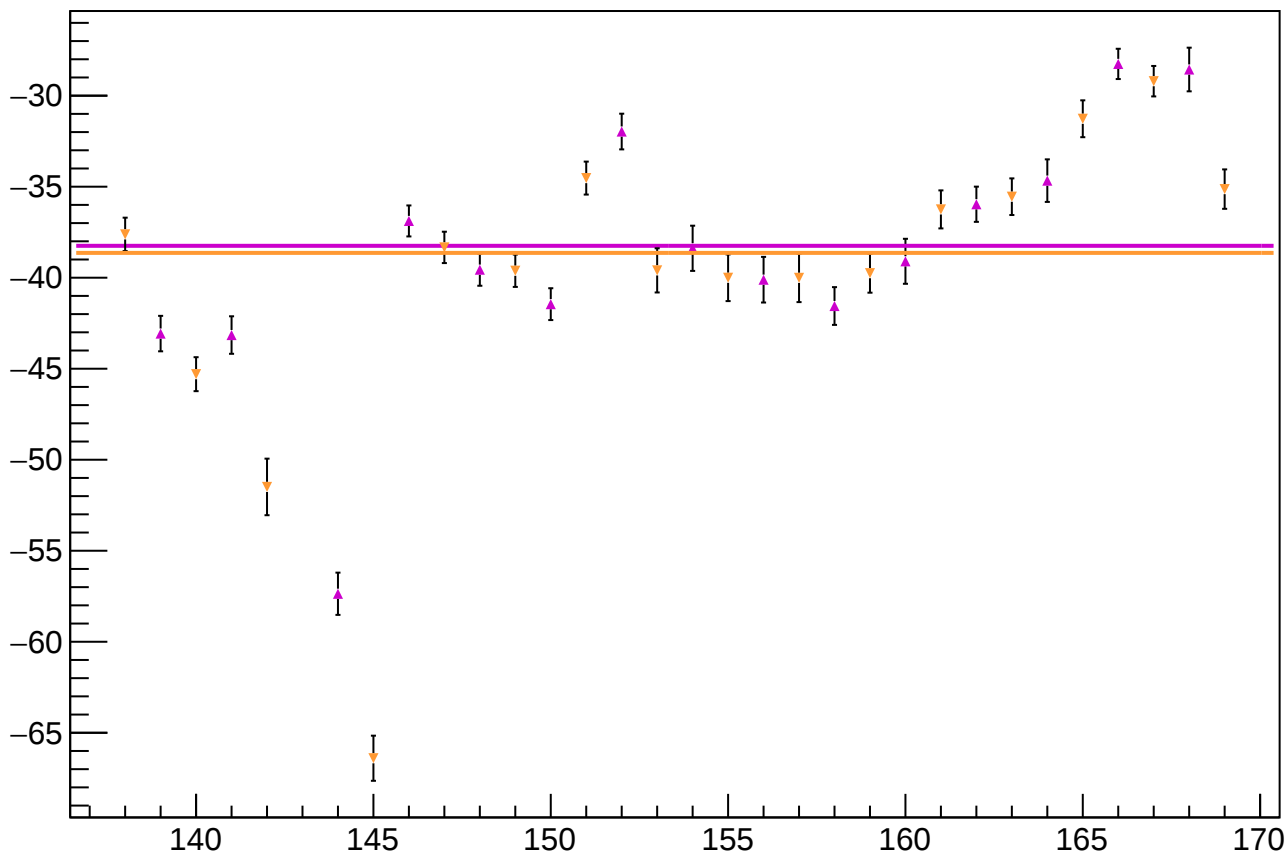
Left In: -0.011 ± 0.001 χ^2/NDF : 12.7/14

+ sign -0.008 ± 0.001 χ^2/NDF : 39.5/31

All: -0.009 ± 0.001 χ^2/NDF : 227.2/64

- sign -0.009 ± 0.001 χ^2/NDF : 186.6/32

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -38.636+/-0.257 χ^2/NDF : 853.3/15

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

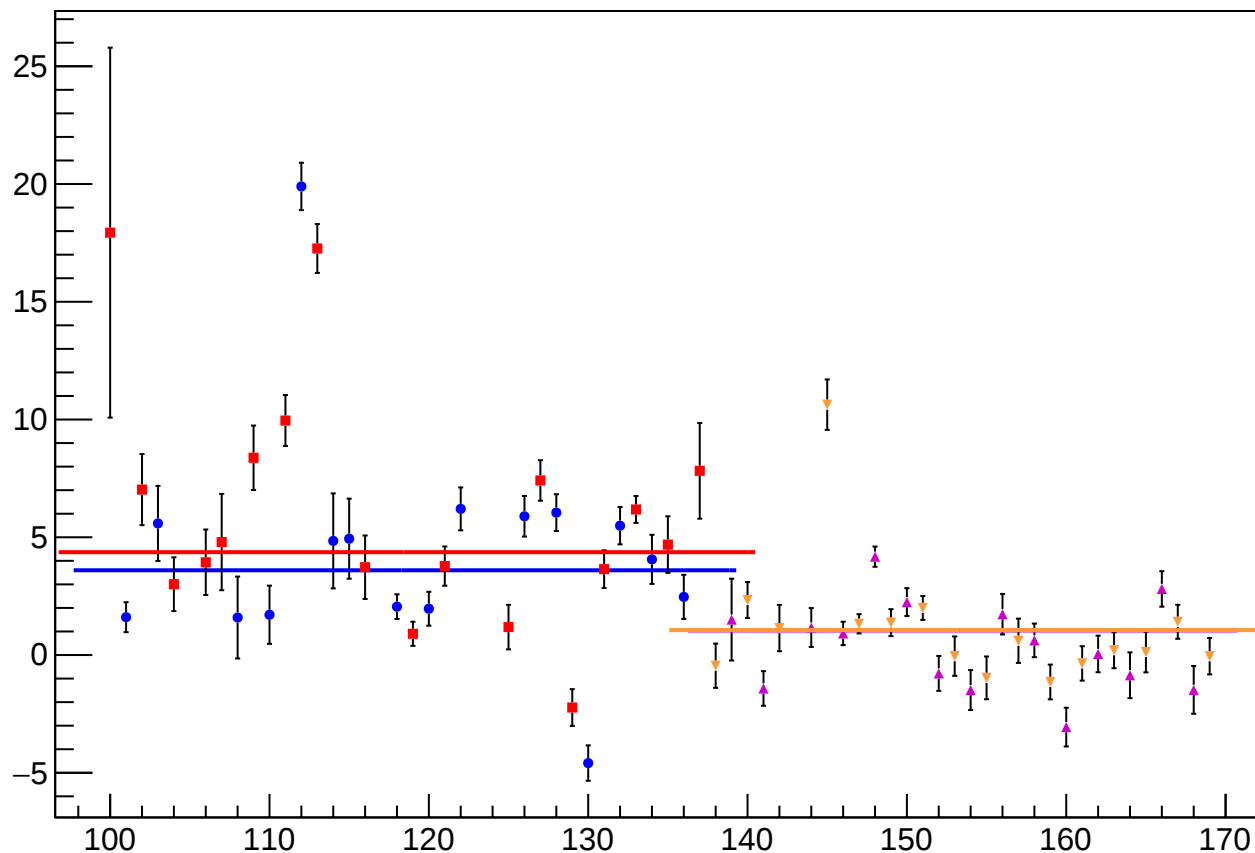
Left In: -38.248+/-0.262 χ^2/NDF : 615.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.446+/-0.184 χ^2/NDF : 1469.6/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 $\pm$ 0.220 χ^2/NDF : 443.4/15

Left Out: 1.058 $\pm$ 0.177 χ^2/NDF :113.8/15

Right Out: 4.367 $\pm$ 0.225 χ^2/NDF : 353.1/17

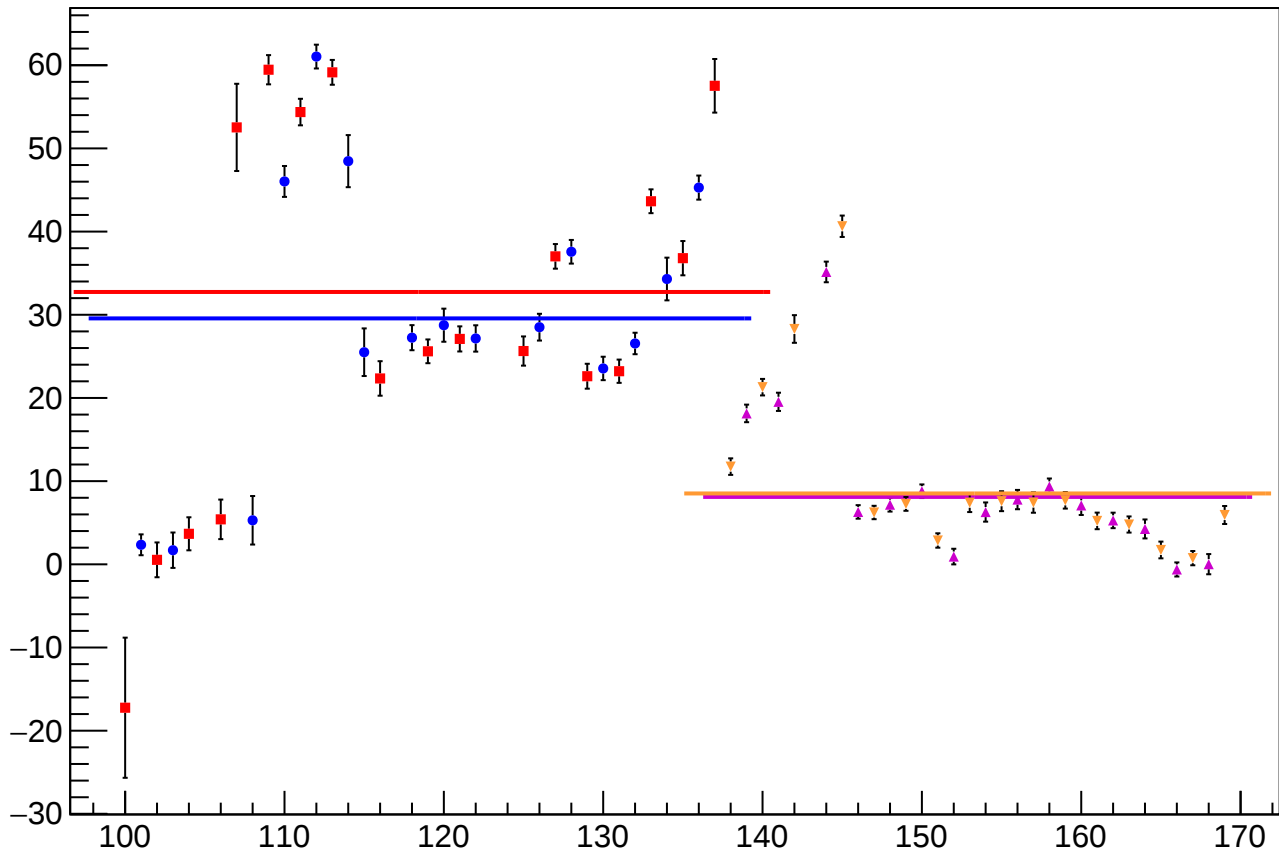
Left In: 1.041 $\pm$ 0.184 χ^2/NDF :126.9/14

+ sign 2.056 $\pm$ 0.138 χ^2/NDF : 638.0/31

All: 2.212 $\pm$ 0.099 χ^2/NDF : 1251.6/64

- sign 2.378 $\pm$ 0.143 χ^2/NDF : 611.0/32

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 8.519 $\pm$ 0.252 χ^2 /NDF:1156.4/15

Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

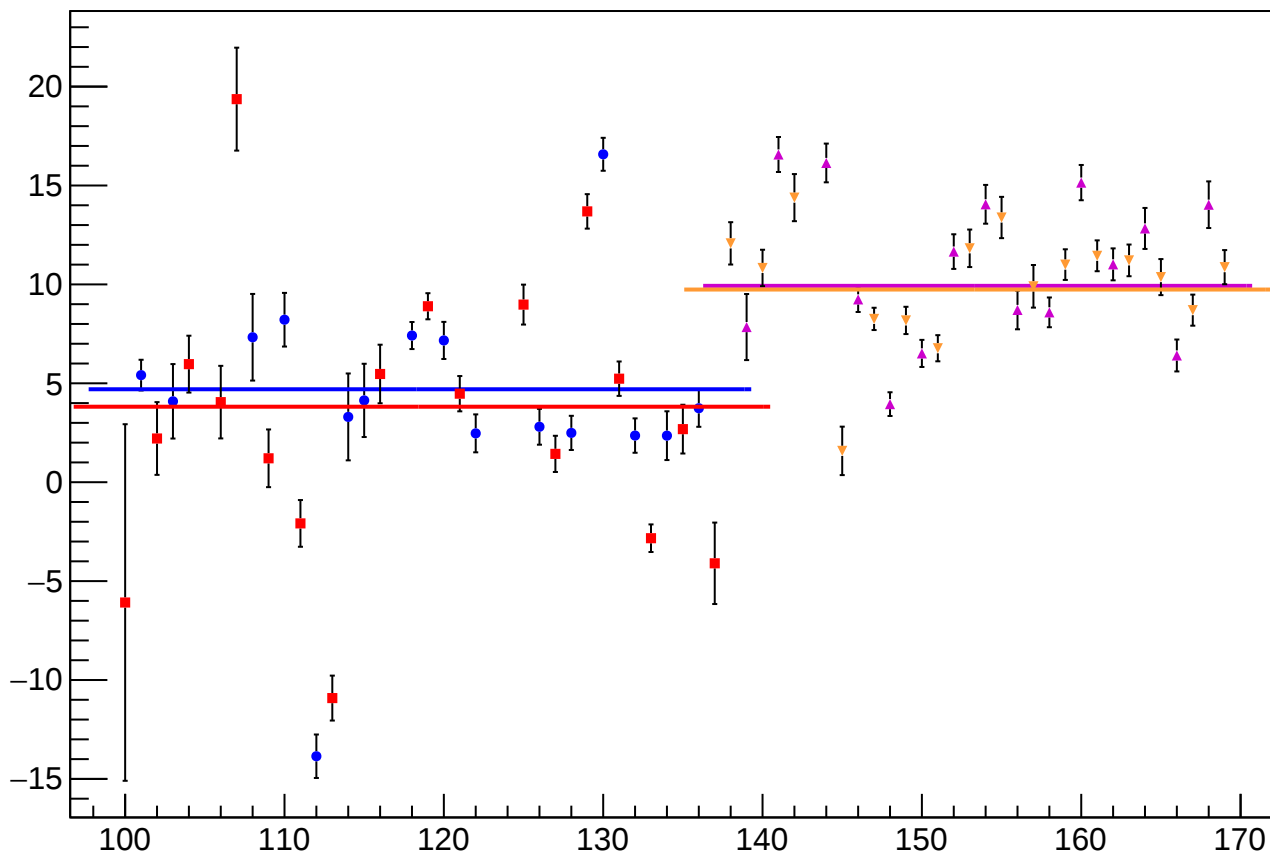
Left In: 8.104 $\pm$ 0.256 χ^2 /NDF:915.6/14

+ sign 14.097 $\pm$ 0.216 χ^2 /NDF: 4500.3/31

All: 14.394 $\pm$ 0.154 χ^2 /NDF: 9570.4/64

- sign 14.698 $\pm$ 0.219 χ^2 /NDF: 5066.3/32

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.740 ± 0.209 χ^2/NDF : 129.8/15

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

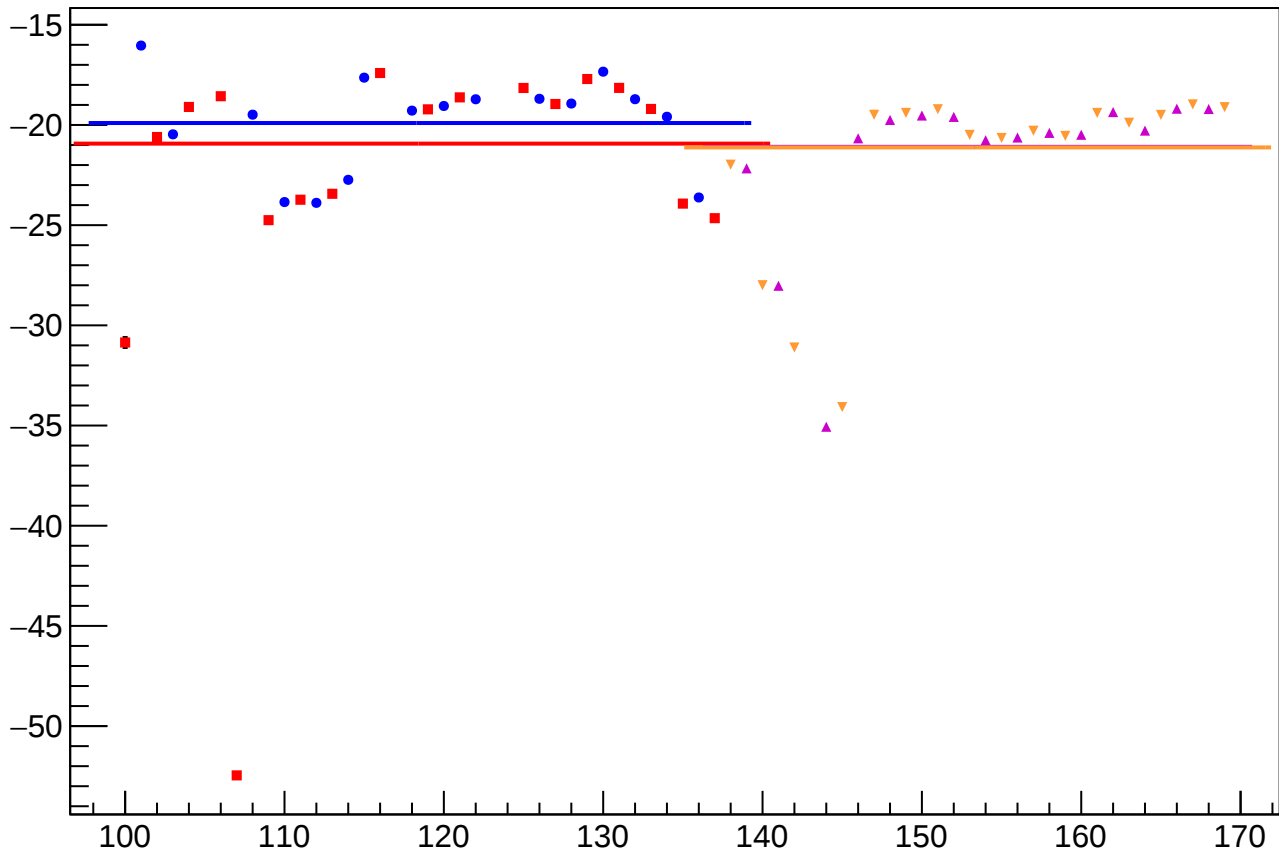
Left In: 9.927 ± 0.217 χ^2/NDF : 325.0/14

+ sign 7.705 ± 0.161 χ^2/NDF : 913.6/31

All: 7.556 ± 0.116 χ^2/NDF : 2135.6/64

- sign 7.398 ± 0.166 χ^2/NDF : 1220.2/32

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 χ^2/NDF : 26054.0/15

Left Out: -21.120 ± 0.010 χ^2/NDF : 131461.0/15

Right Out: -20.931 ± 0.016 χ^2/NDF : 94008.3/17

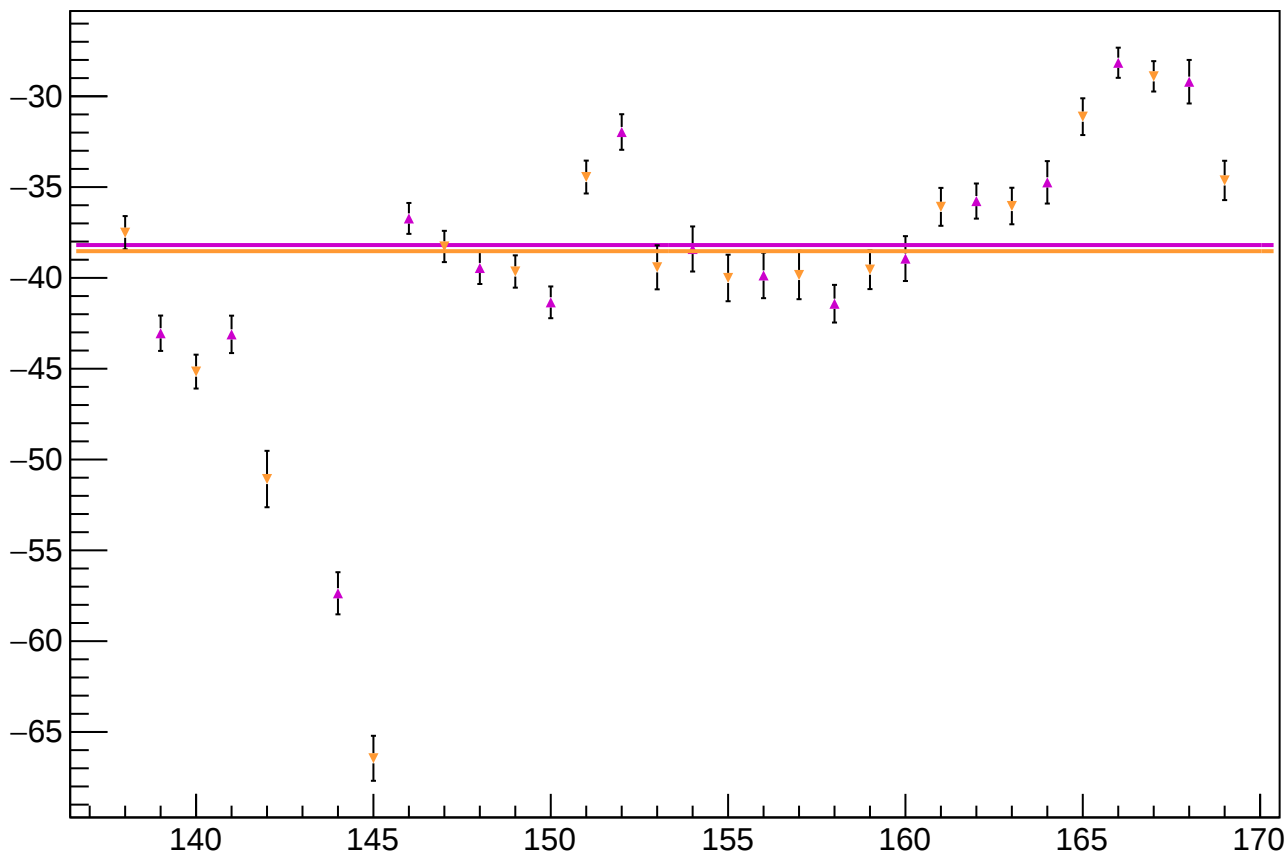
Left In: -21.092 ± 0.010 χ^2/NDF : 103912.0/14

+ sign -20.766 ± 0.008 χ^2/NDF : 161813.3/31

All: -20.904 ± 0.006 χ^2/NDF : 360343.4/64

- sign -21.044 ± 0.009 χ^2/NDF : 197994.2/32

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -38.529+/-0.257 χ^2/NDF : 861.4/15

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

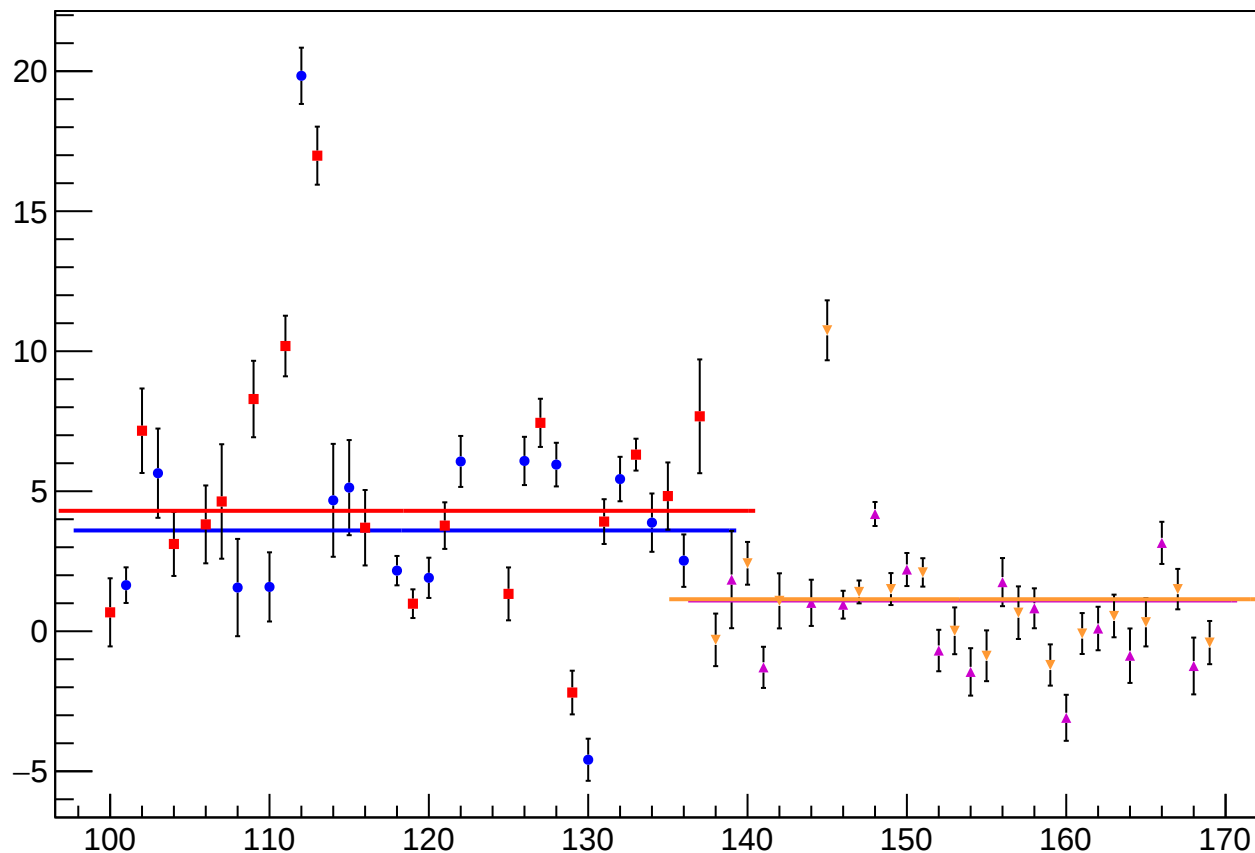
Left In: -38.192+/-0.262 χ^2/NDF : 608.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.364+/-0.183 χ^2/NDF : 1470.9/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 440.3/15$

Left Out: 1.144 ± 0.177 $\chi^2/\text{NDF}: 115.9/15$

Right Out: 4.301 ± 0.221 $\chi^2/\text{NDF}: 352.1/17$

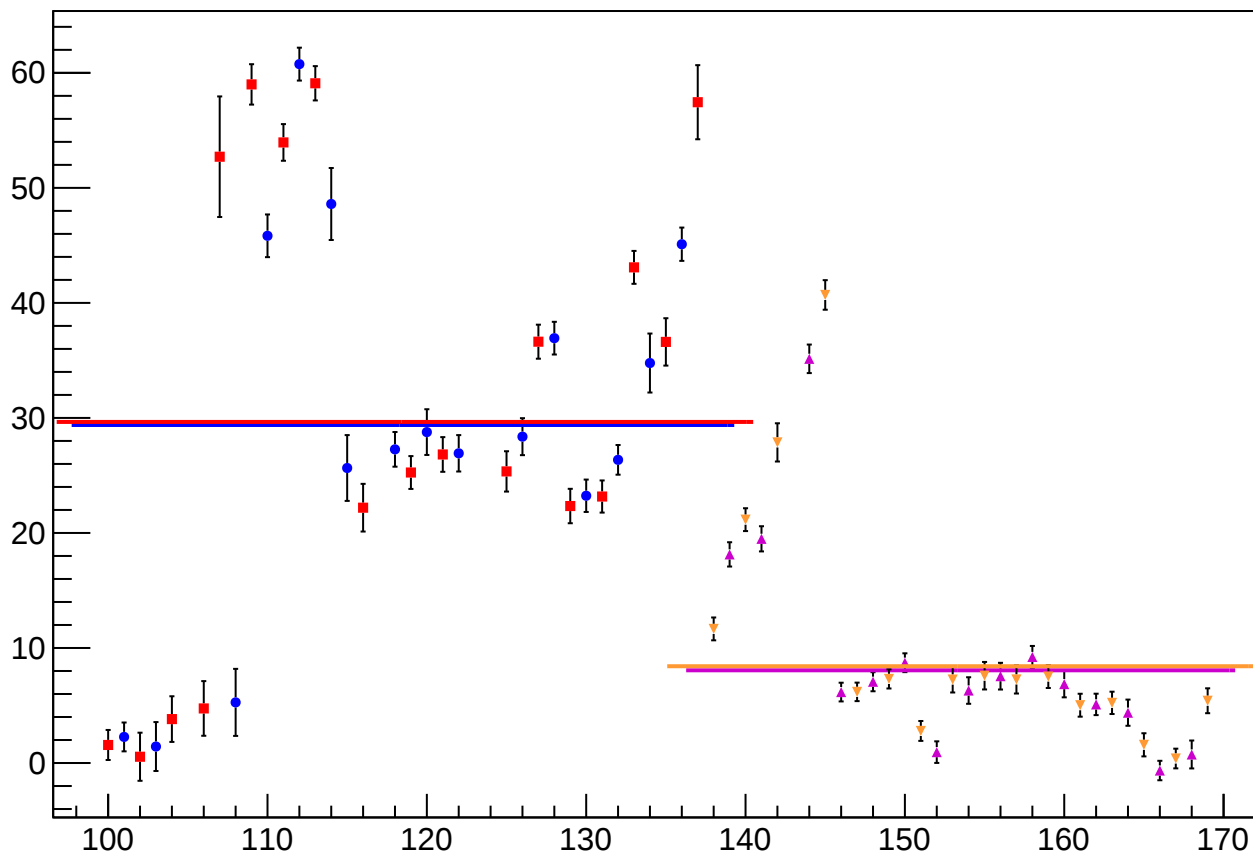
Left In: 1.099 ± 0.184 $\chi^2/\text{NDF}: 126.4/14$

+ sign 2.108 ± 0.138 $\chi^2/\text{NDF}: 631.7/31$

All: 2.256 ± 0.099 $\chi^2/\text{NDF}: 1236.5/64$

- sign 2.411 ± 0.141 $\chi^2/\text{NDF}: 602.5/32$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 ± 0.419 $\chi^2/\text{NDF}: 1488.6/15$

Left Out: 8.413 ± 0.252 $\chi^2/\text{NDF}: 1162.0/15$

Right Out: 29.652 ± 0.402 $\chi^2/\text{NDF}: 2131.0/17$

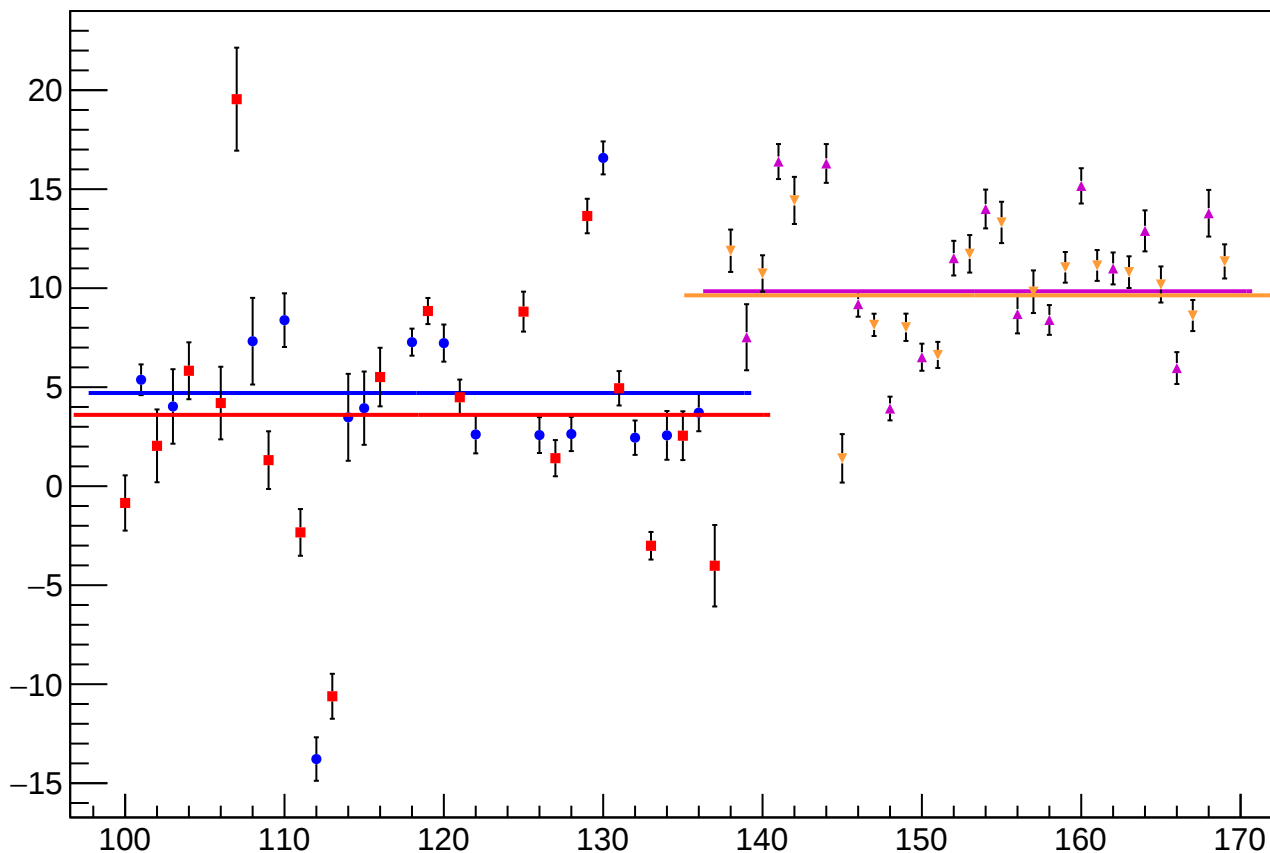
Left In: 8.060 ± 0.255 $\chi^2/\text{NDF}: 910.1/14$

+ sign 13.973 ± 0.216 $\chi^2/\text{NDF}: 4489.9/31$

All: 14.118 ± 0.153 $\chi^2/\text{NDF}: 9584.7/64$

- sign 14.262 ± 0.216 $\chi^2/\text{NDF}: 5093.9/32$

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.638 ± 0.209 χ^2/NDF : 133.2/15

Right Out: 3.601 ± 0.254 χ^2/NDF : 573.4/17

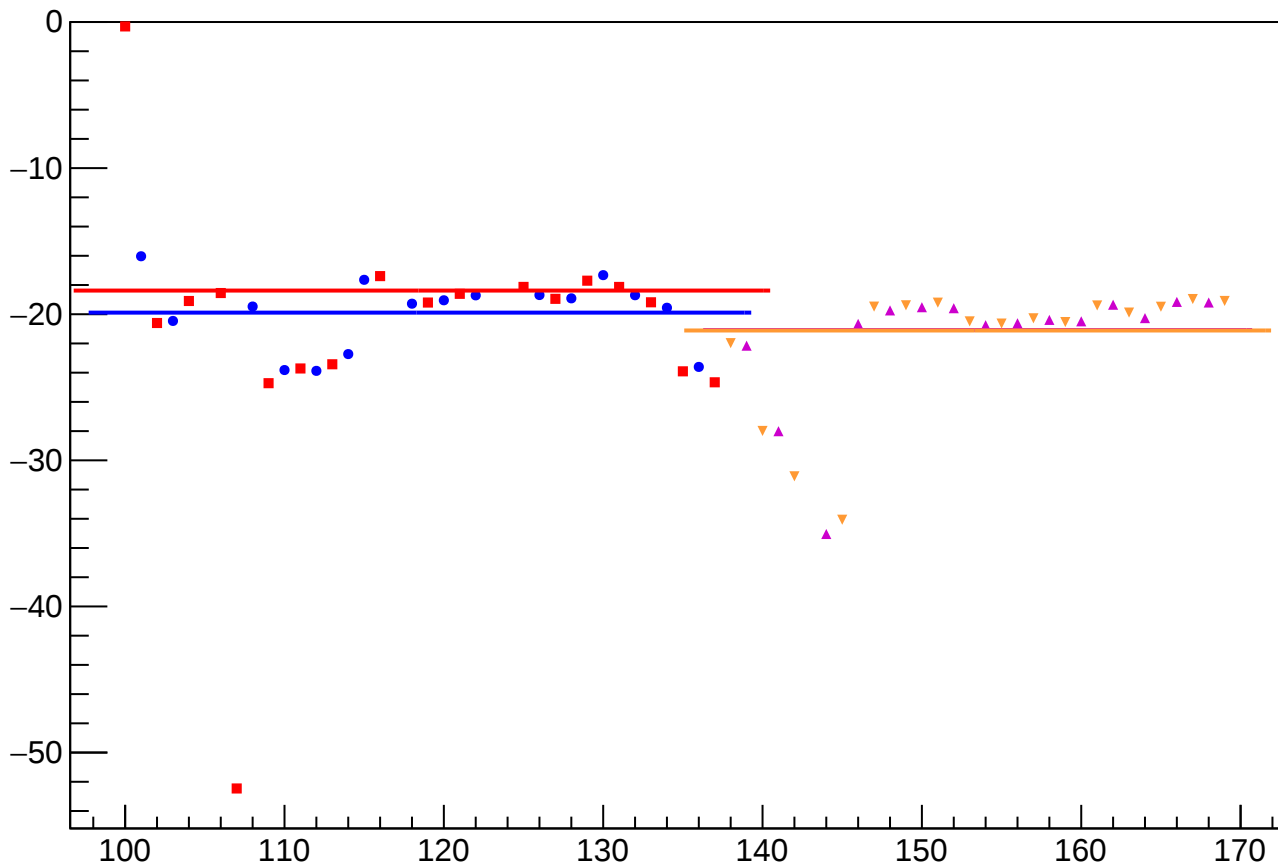
Left In: 9.844 ± 0.217 χ^2/NDF : 330.2/14

+ sign 7.648 ± 0.161 χ^2/NDF : 903.5/31

All: 7.434 ± 0.115 χ^2/NDF : 2159.8/64

- sign 7.210 ± 0.165 χ^2/NDF : 1252.7/32

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15

Left Out: -21.112 ± 0.010 χ^2/NDF : 131565.2/15

Right Out: -18.380 ± 0.015 χ^2/NDF : 300999.4/17

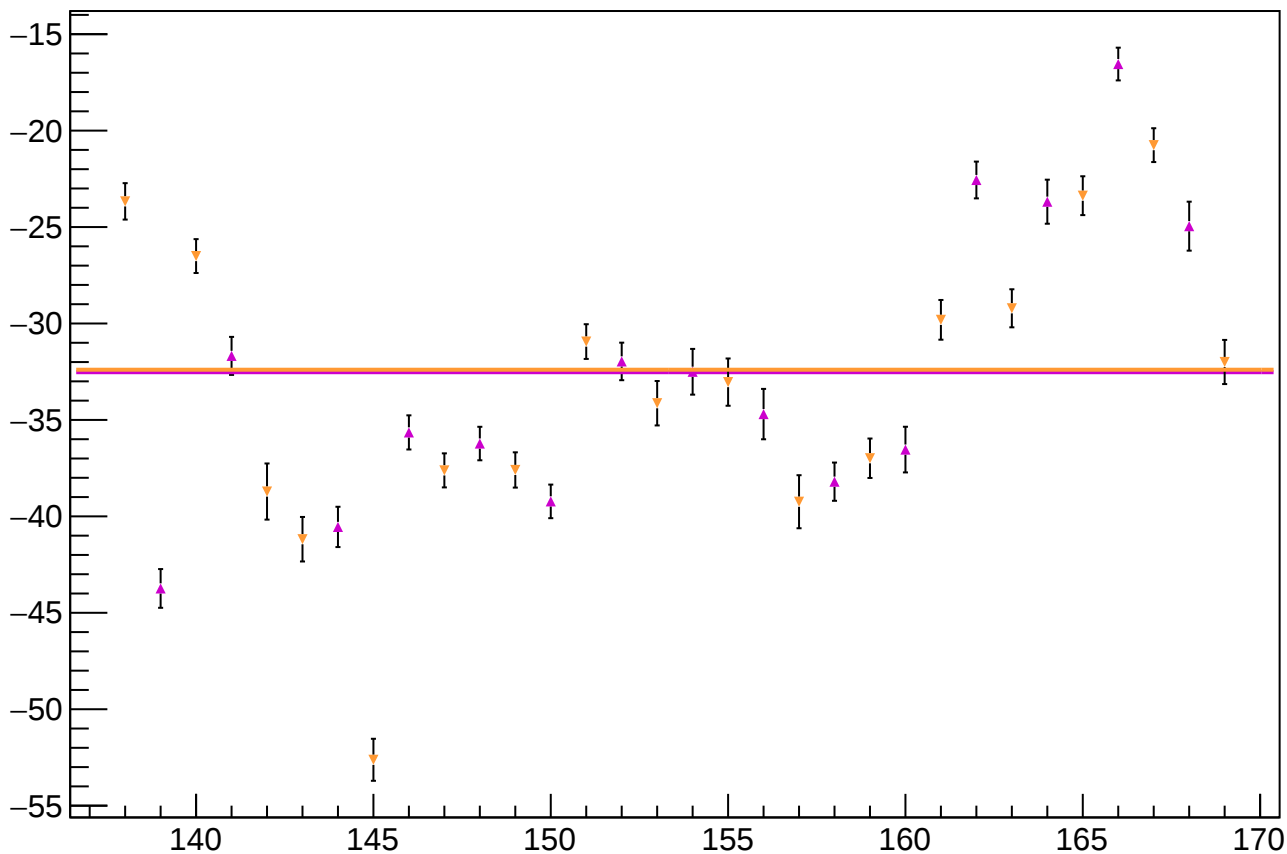
Left In: -21.080 ± 0.010 χ^2/NDF : 103911.4/14

+ sign -20.757 ± 0.008 χ^2/NDF : 161938.5/31

All: -20.482 ± 0.006 χ^2/NDF : 591687.8/64

- sign -20.210 ± 0.008 χ^2/NDF : 427633.9/32

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -32.397+/-0.249 χ^2/NDF : 942.9/16

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

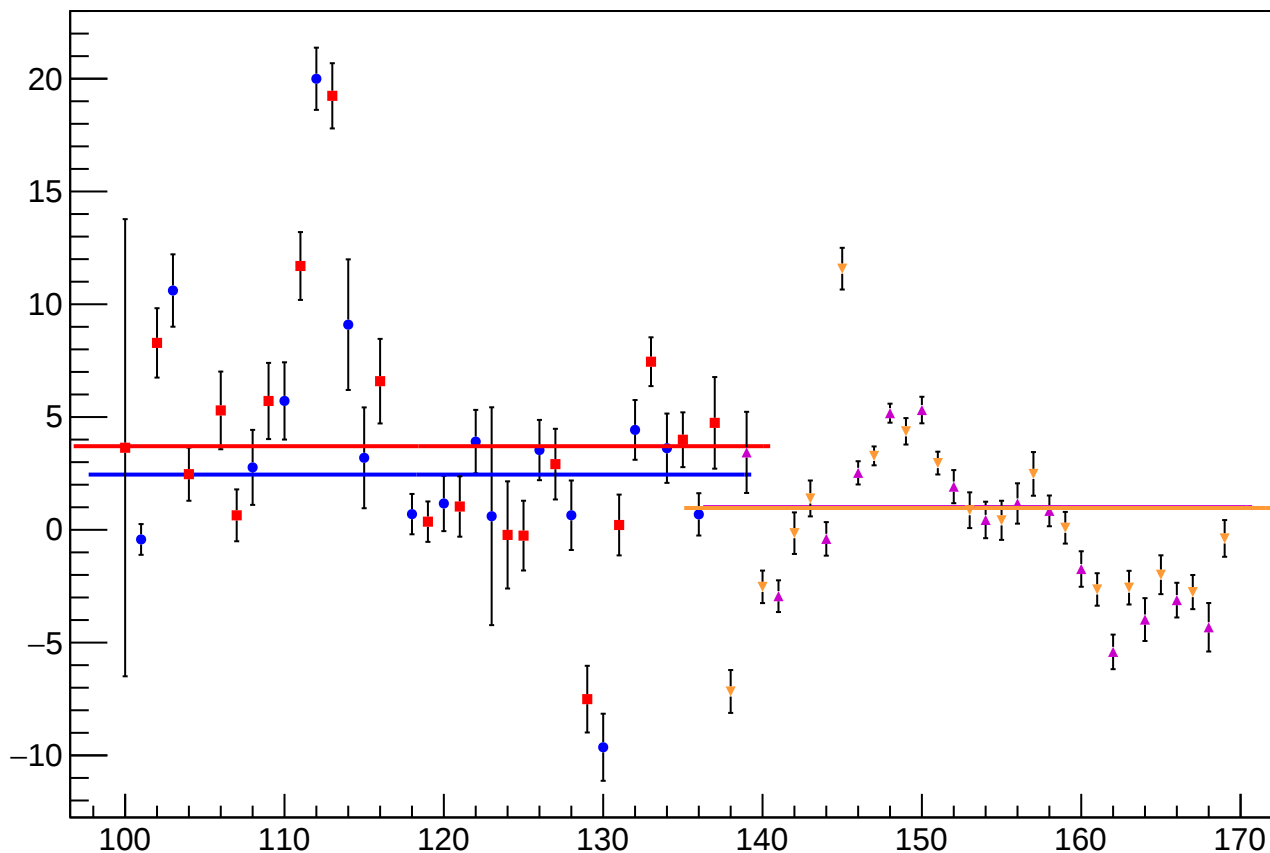
Left In: -32.526+/-0.260 χ^2/NDF : 880.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.459+/-0.180 χ^2/NDF : 1823.5/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 0.968 ± 0.172 χ^2/NDF : 400.7/16

Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

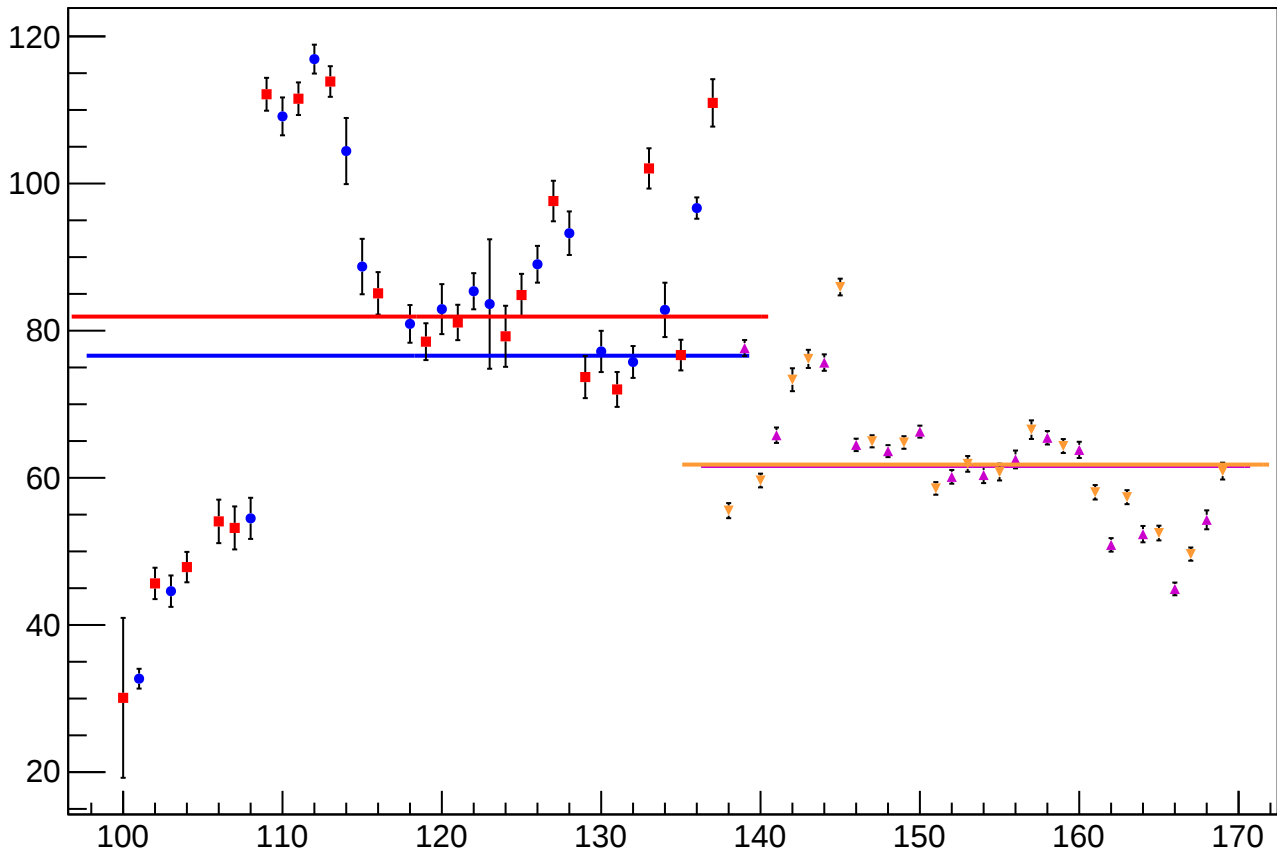
Left In: 1.008 ± 0.182 χ^2/NDF : 362.3/14

+ sign 1.309 ± 0.151 χ^2/NDF : 713.1/33

All: 1.470 ± 0.109 χ^2/NDF : 1399.3/67

- sign 1.648 ± 0.159 χ^2/NDF : 683.8/33

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 ± 0.576 $\chi^2/\text{NDF}: 2255.1/16$

Left Out: 61.801 ± 0.245 $\chi^2/\text{NDF}: 1054.1/16$

Right Out: 81.916 ± 0.592 $\chi^2/\text{NDF}: 1570.7/18$

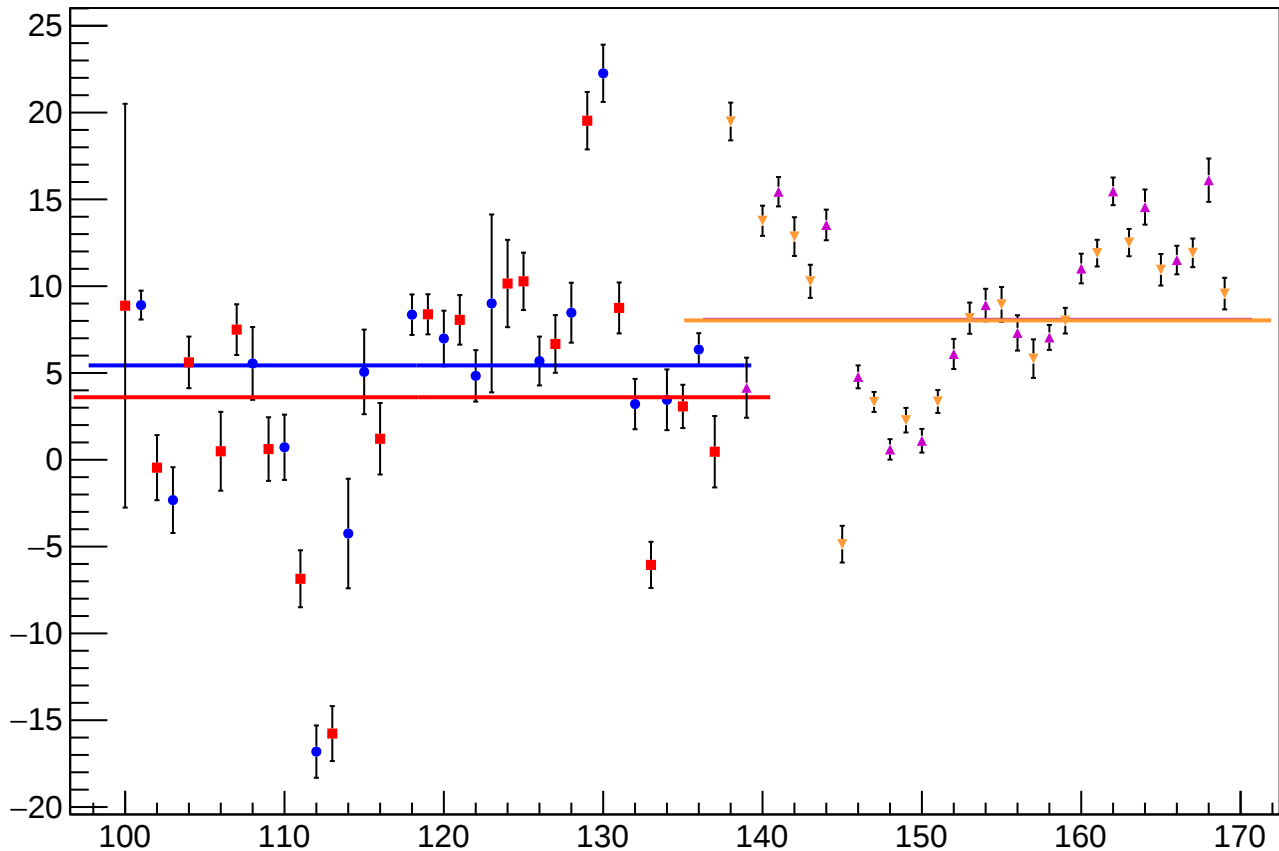
Left In: 61.607 ± 0.253 $\chi^2/\text{NDF}: 1079.5/14$

+ sign 64.068 ± 0.225 $\chi^2/\text{NDF}: 3867.9/33$

All: 64.398 ± 0.162 $\chi^2/\text{NDF}: 7517.1/67$

- sign 64.749 ± 0.233 $\chi^2/\text{NDF}: 3644.8/33$

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 8.030 ± 0.203 $\chi^2/\text{NDF}: 608.0/16$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

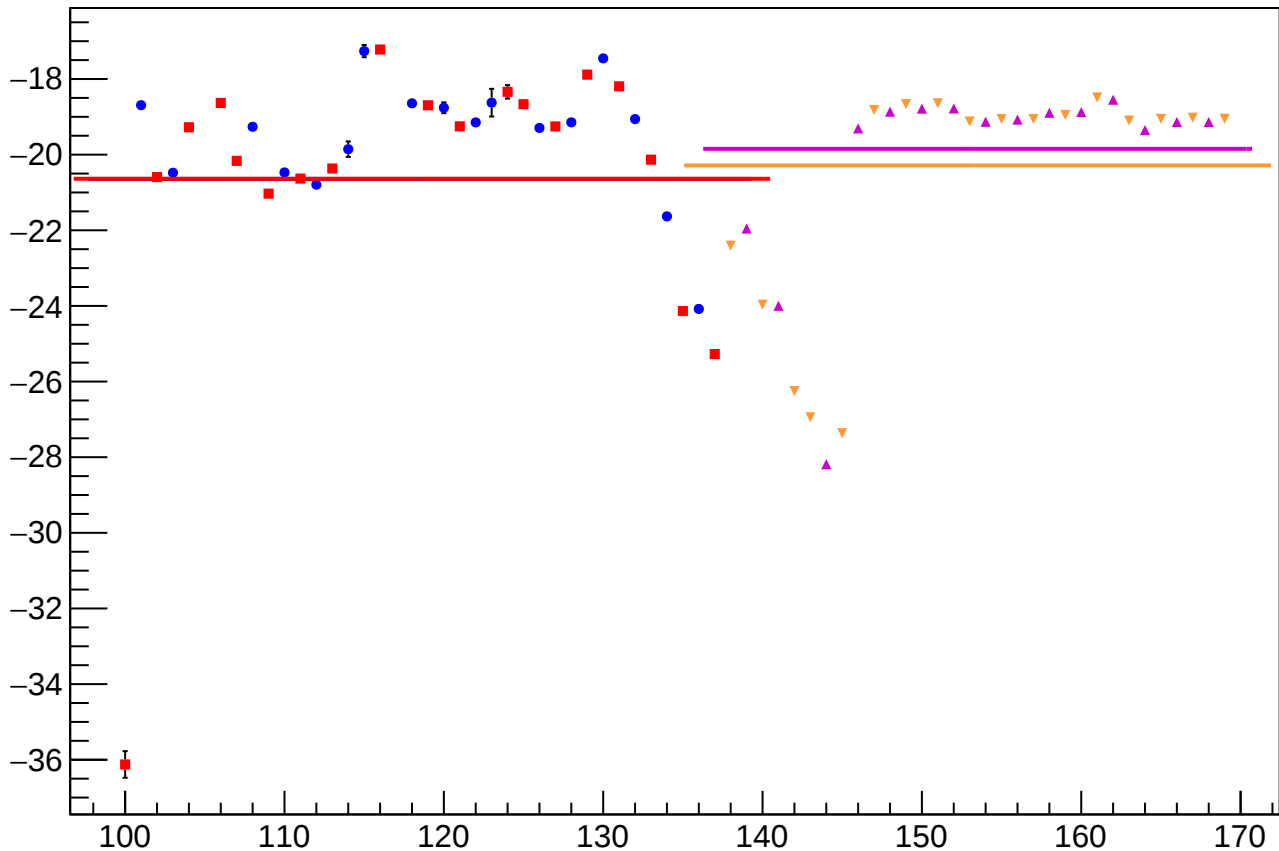
Left In: 8.061 ± 0.214 $\chi^2/\text{NDF}: 616.2/14$

+ sign 7.407 ± 0.177 $\chi^2/\text{NDF}: 1034.6/33$

All: 7.197 ± 0.128 $\chi^2/\text{NDF}: 2183.6/67$

- sign 6.963 ± 0.186 $\chi^2/\text{NDF}: 1146.0/33$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -20.285 ± 0.010 $\chi^2/\text{NDF}: 78789.9/16$

Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13783.4/18$

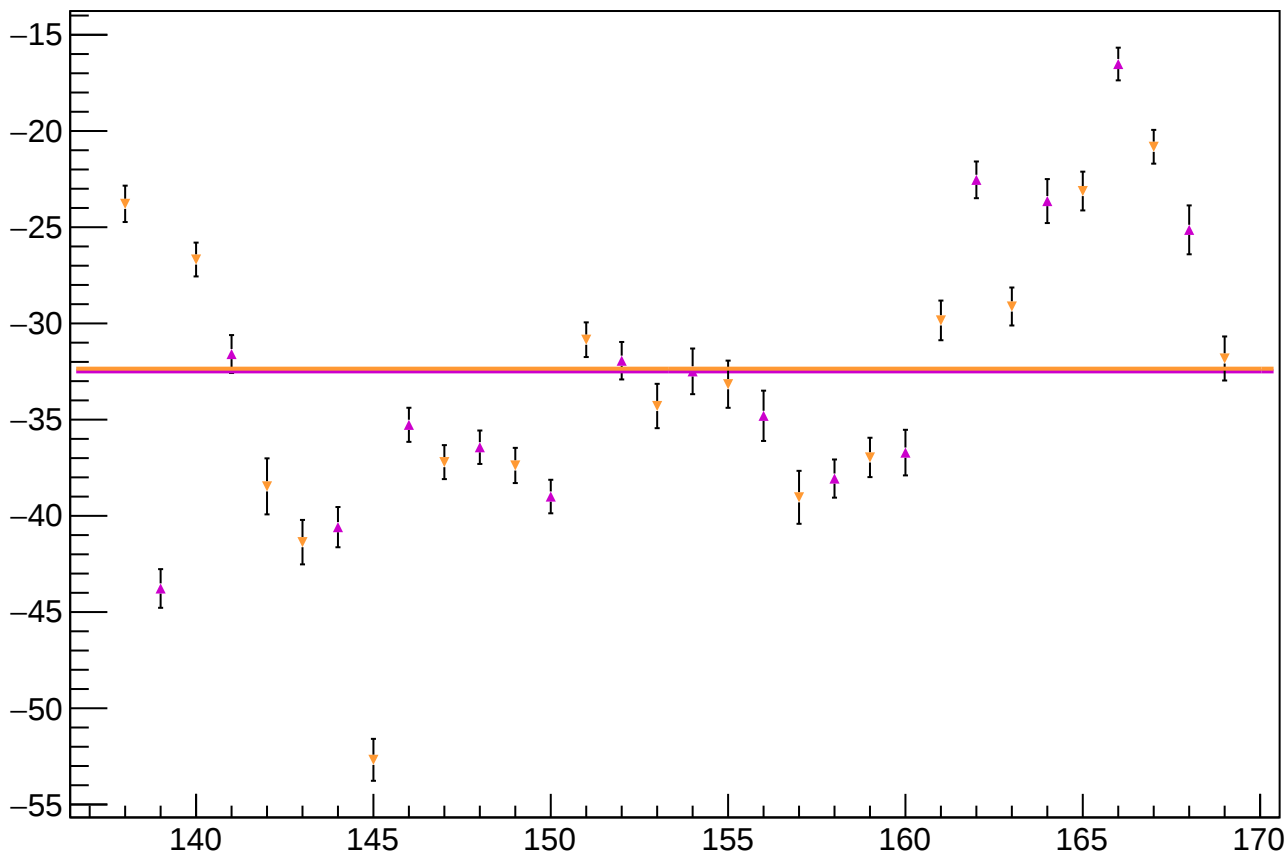
Left In: -19.846 ± 0.010 $\chi^2/\text{NDF}: 48573.4/14$

+ sign -20.357 ± 0.009 $\chi^2/\text{NDF}: 91493.4/33$

All: -20.190 ± 0.006 $\chi^2/\text{NDF}: 155913.3/67$

- sign -20.014 ± 0.009 $\chi^2/\text{NDF}: 63663.2/33$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.351+/-0.249 χ^2/NDF : 934.4/16

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

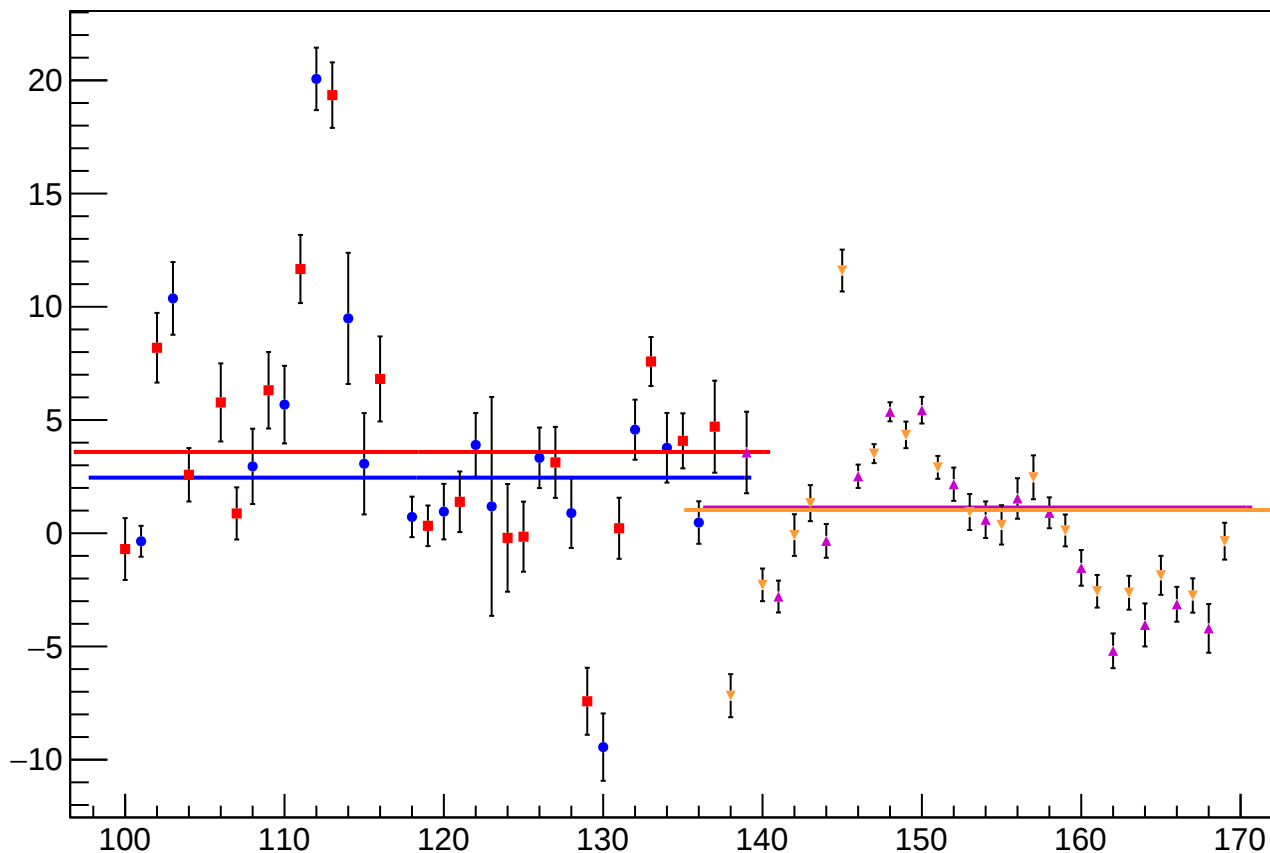
Left In: -32.493+/-0.260 χ^2/NDF : 876.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.419+/-0.180 χ^2/NDF : 1811.0/31

- 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 : 293.5/16

Left Out: 1.026 ± 0.172 χ^2/NDF : 401.0/16

Right Out: 3.590 ± 0.318 χ^2/NDF : 279.8/18

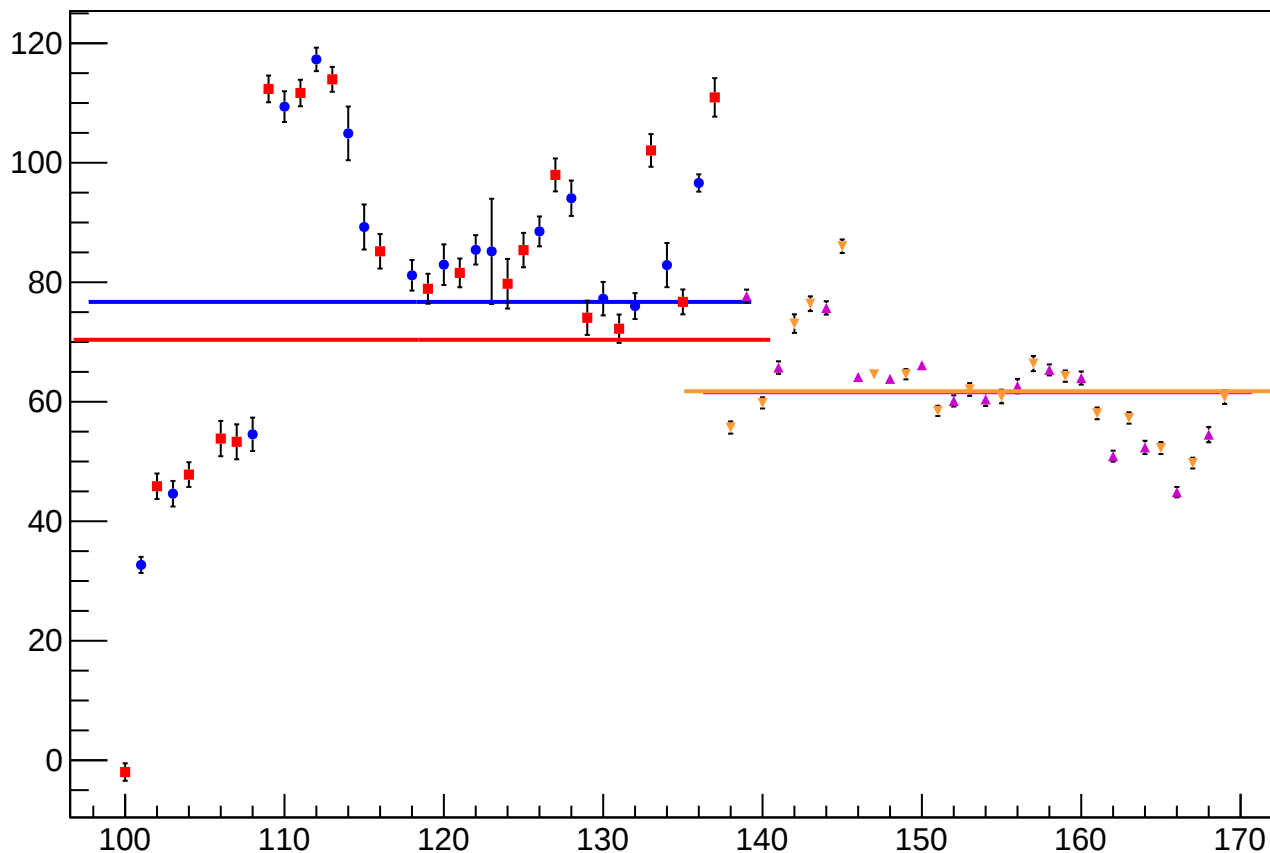
Left In: 1.136 ± 0.182 χ^2/NDF : 365.7/14

+ sign 1.355 ± 0.151 χ^2/NDF : 710.3/33

All: 1.540 ± 0.109 χ^2/NDF : 1403.9/67

- sign 1.743 ± 0.158 χ^2/NDF : 690.4/33

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 61.764 $\pm$ 0.245 χ^2 /NDF:1053.2/16

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

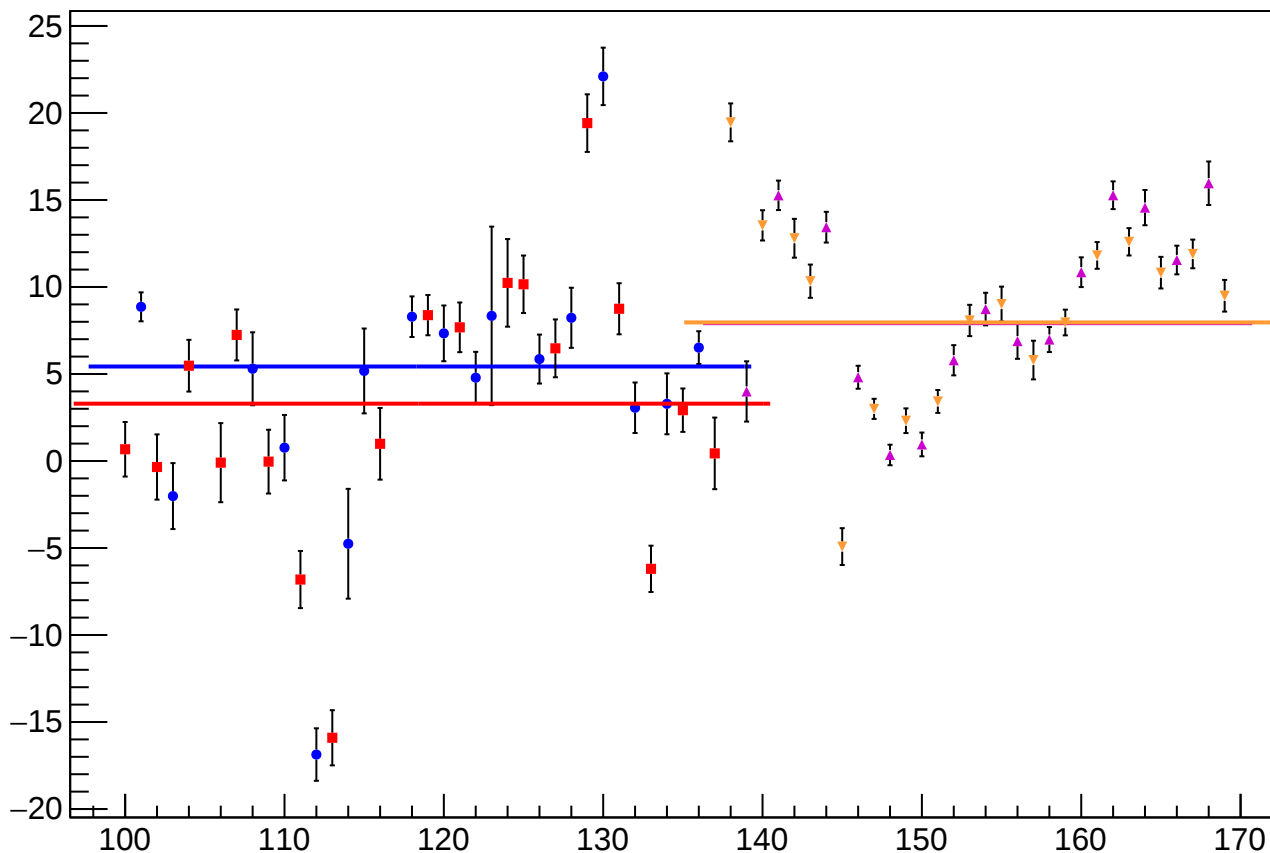
Left In: 61.597 $\pm$ 0.253 χ^2 /NDF:1075.0/14

+ sign 64.055 $\pm$ 0.226 χ^2 /NDF: 3889.5/33

All: 63.604 $\pm$ 0.161 χ^2 /NDF: 9573.6/67

- sign 63.135 $\pm$ 0.230 χ^2 /NDF: 5675.9/33

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 7.964 ± 0.203 $\chi^2/\text{NDF}: 611.1/16$

Right Out: 3.295 ± 0.365 $\chi^2/\text{NDF}: 426.1/18$

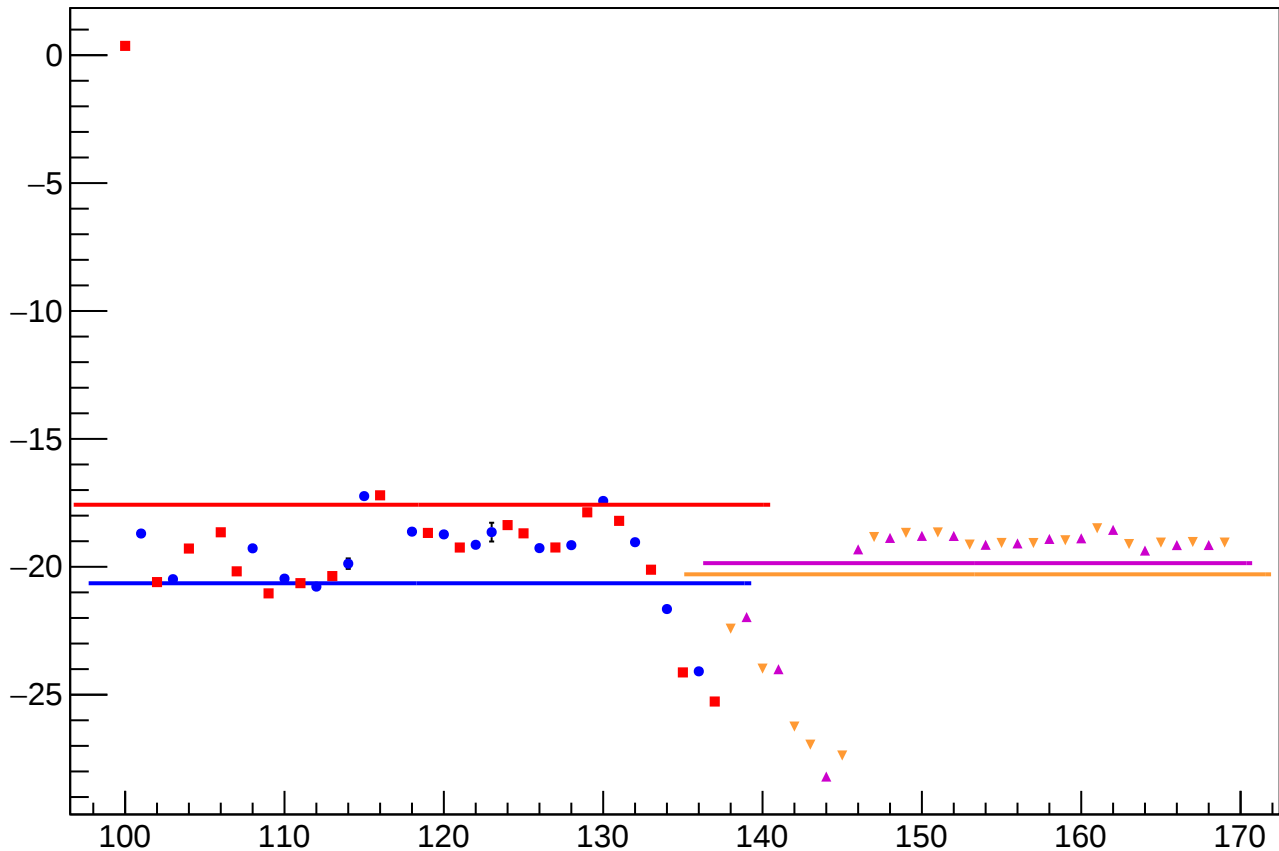
Left In: 7.920 ± 0.215 $\chi^2/\text{NDF}: 621.2/14$

+ sign 7.356 ± 0.177 $\chi^2/\text{NDF}: 1034.5/33$

All: 7.059 ± 0.128 $\chi^2/\text{NDF}: 2207.0/67$

- sign 6.733 ± 0.185 $\chi^2/\text{NDF}: 1166.6/33$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -20.294 ± 0.010 $\chi^2/\text{NDF}: 78663.0/16$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178327.0/18$

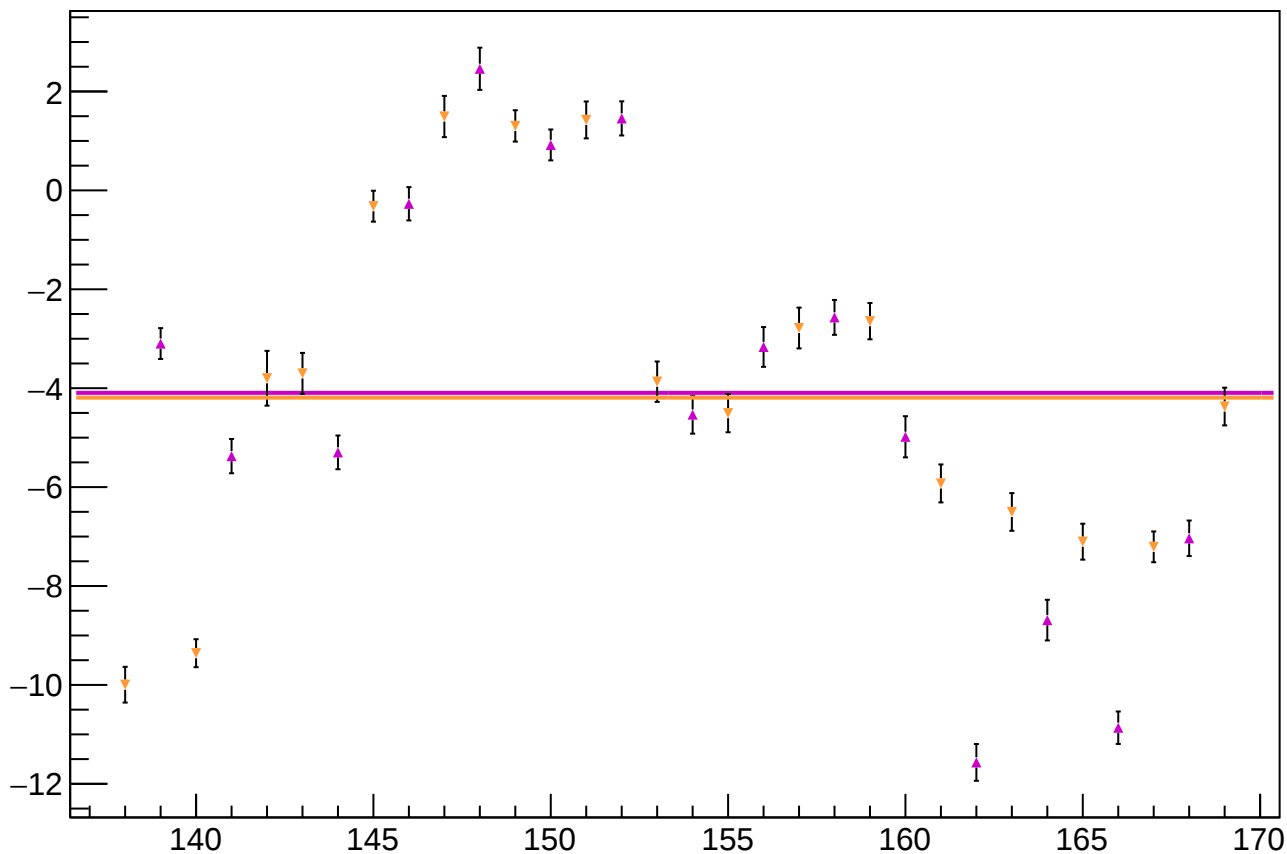
Left In: -19.857 ± 0.010 $\chi^2/\text{NDF}: 48498.1/14$

+ sign -20.364 ± 0.009 $\chi^2/\text{NDF}: 91392.0/33$

All: -19.845 ± 0.006 $\chi^2/\text{NDF}: 337639.8/67$

- sign -19.313 ± 0.009 $\chi^2/\text{NDF}: 239032.4/33$

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: -4.191 $\pm$ 0.089 χ^2 /NDF:1705.2/16

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

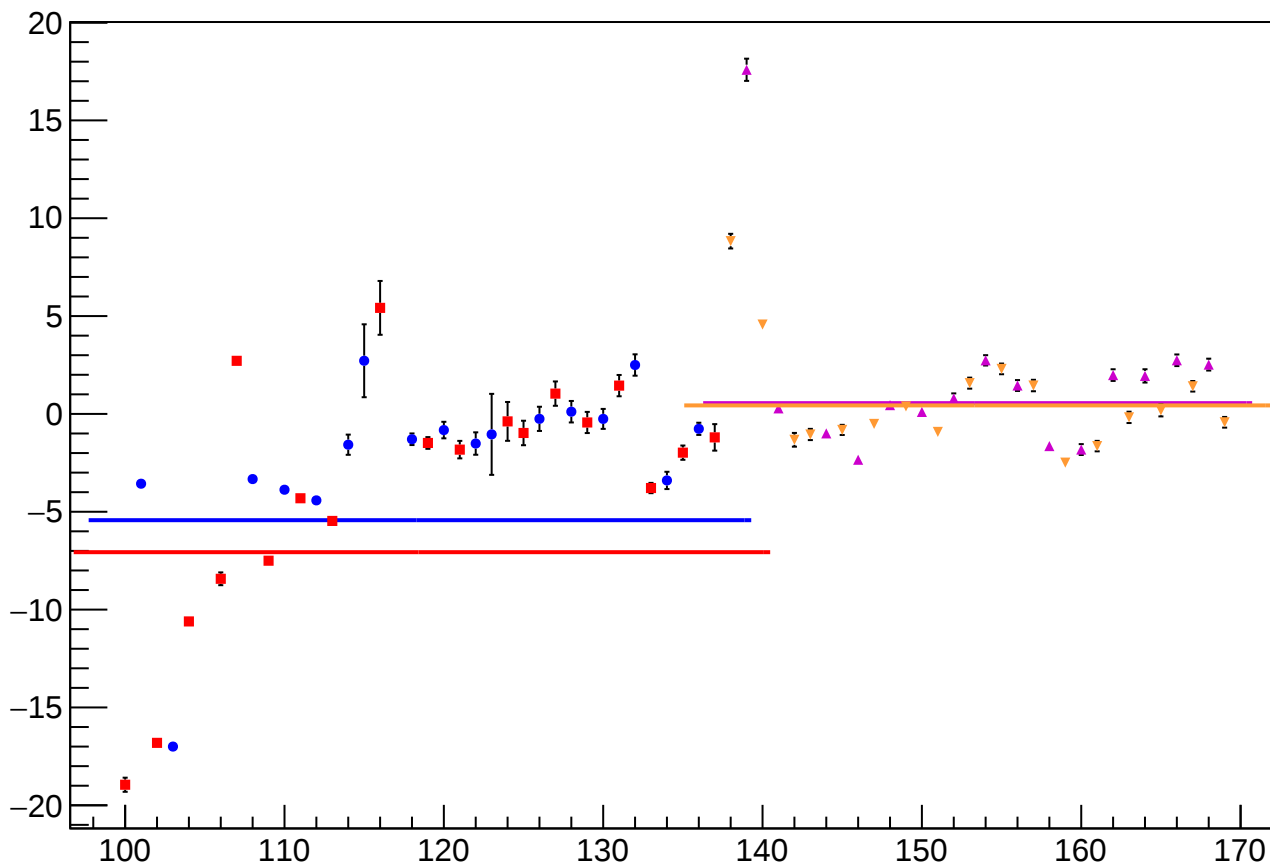
Left In: -4.094 $\pm$ 0.092 χ^2 /NDF:1967.3/14

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

All: -4.144 $\pm$ 0.064 χ^2 /NDF: 3673.1/31

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

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 $\chi^2/\text{NDF}: 9233.8/16$

Left Out: 0.435 ± 0.064 $\chi^2/\text{NDF}: 1243.8/16$

Right Out: -7.066 ± 0.059 $\chi^2/\text{NDF}: 12306.6/18$

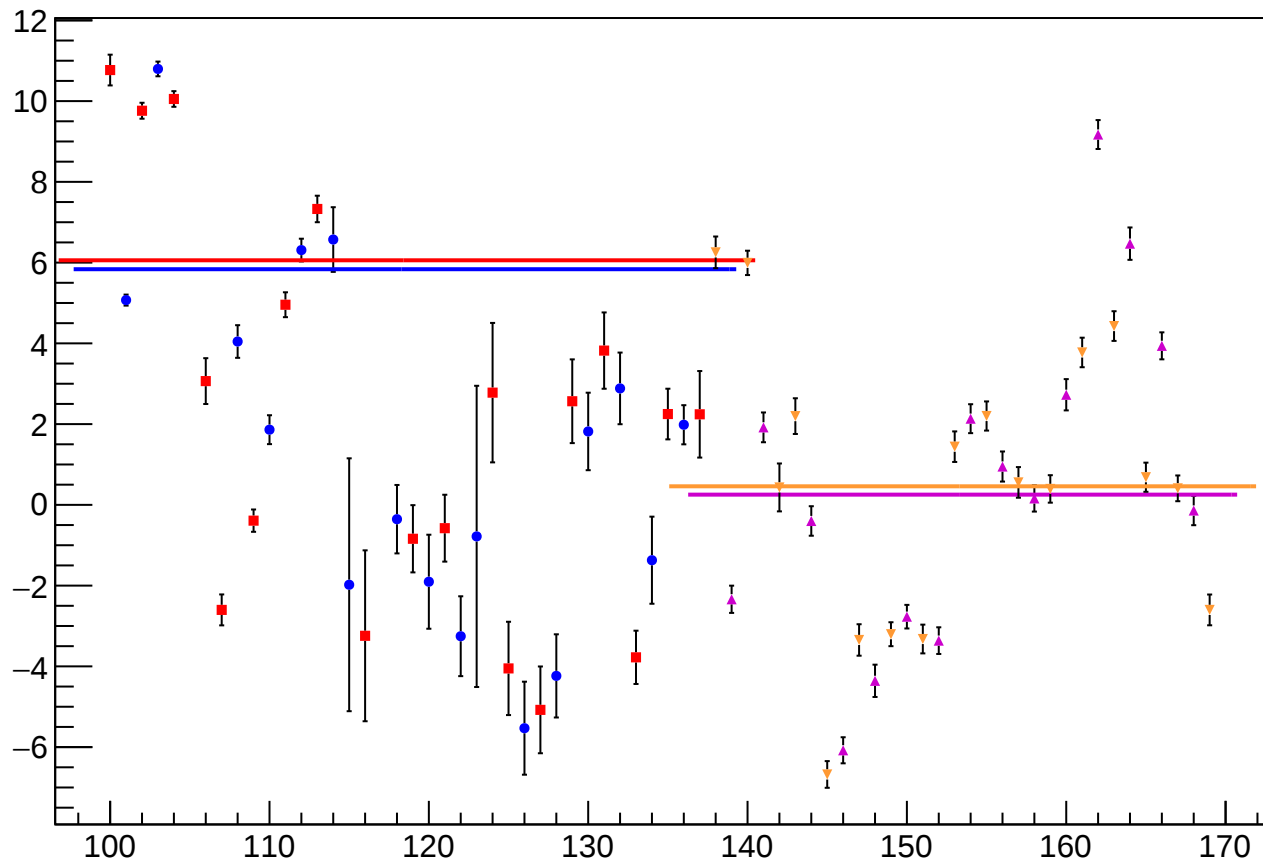
Left In: 0.550 ± 0.068 $\chi^2/\text{NDF}: 1502.2/14$

+ sign -2.936 ± 0.042 $\chi^2/\text{NDF}: 15339.6/33$

All: -3.333 ± 0.030 $\chi^2/\text{NDF}: 36507.8/67$

- sign -3.789 ± 0.045 $\chi^2/\text{NDF}: 20972.2/33$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: 0.460 ± 0.088 $\chi^2/\text{NDF}: 1691.5/16$

Right Out: 6.057 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

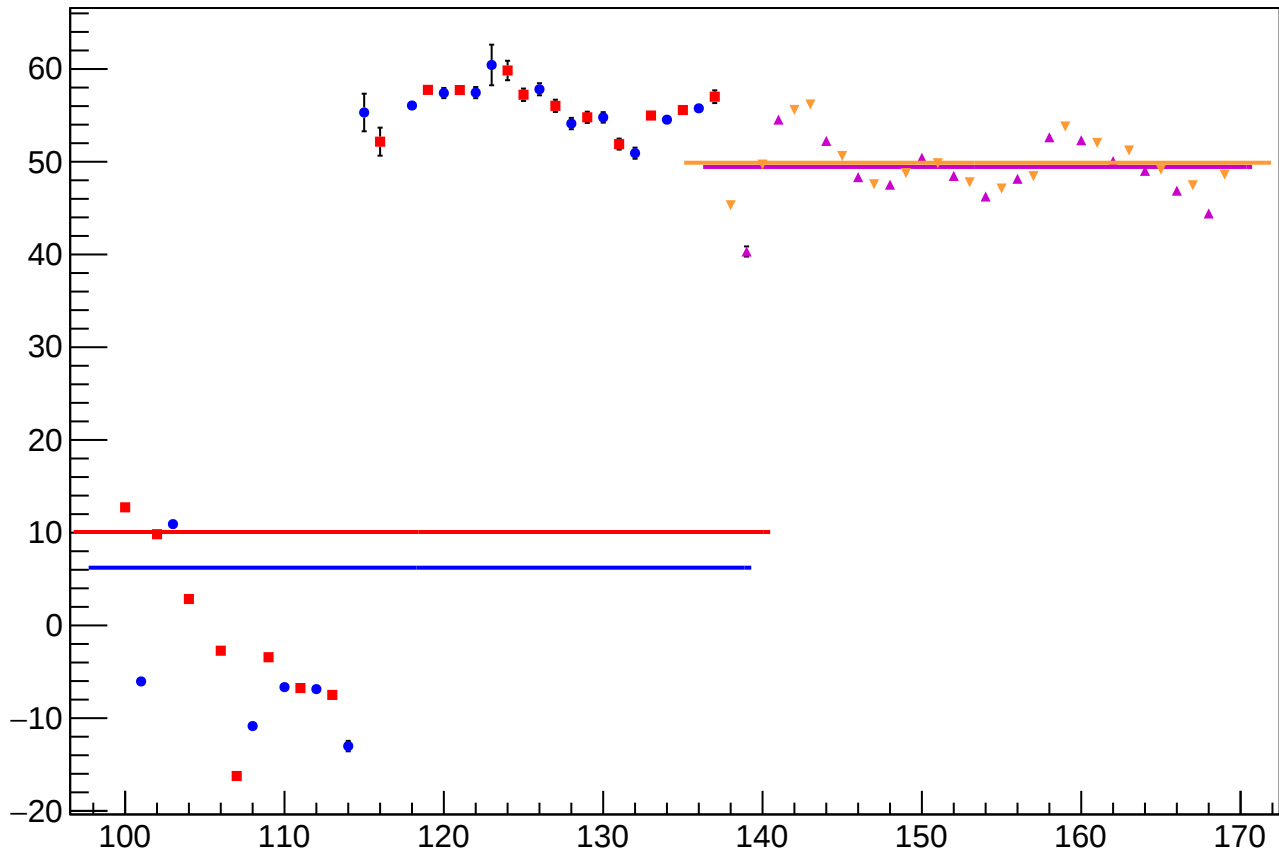
Left In: 0.253 ± 0.091 $\chi^2/\text{NDF}: 1882.0/14$

+ sign 3.089 ± 0.063 $\chi^2/\text{NDF}: 4969.9/33$

All: 3.079 ± 0.045 $\chi^2/\text{NDF}: 11513.2/67$

- sign 3.068 ± 0.065 $\chi^2/\text{NDF}: 6543.2/33$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 49.896 ± 0.074 χ^2/NDF : 1252.9/16

Right Out: 10.075 ± 0.070 χ^2/NDF : 122049.3/18

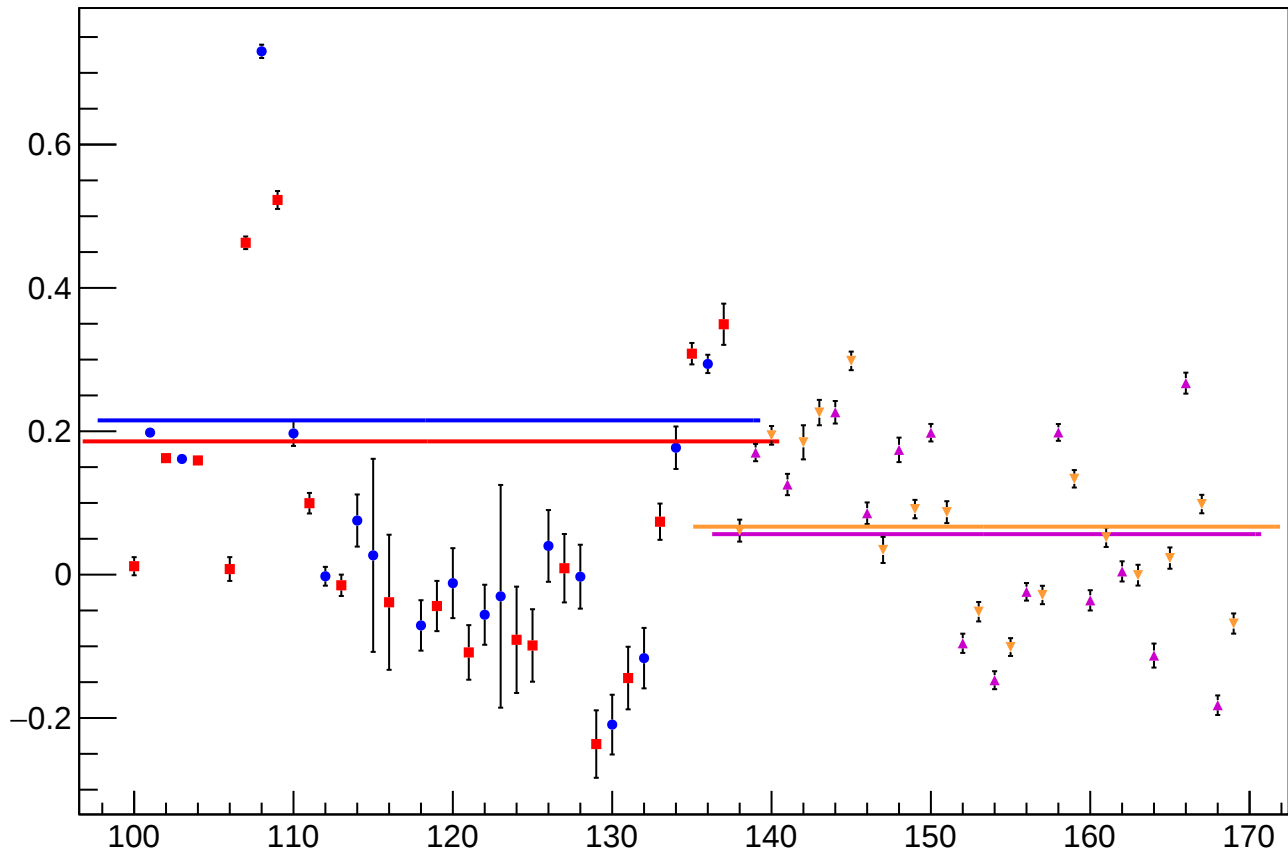
Left In: 49.439 ± 0.078 χ^2/NDF : 1397.4/14

+ sign 25.217 ± 0.049 χ^2/NDF : 319531.2/33

All: 26.268 ± 0.036 χ^2/NDF : 584775.0/67

- sign 27.470 ± 0.052 χ^2/NDF : 264246.2/33

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.067 $\pm$ 0.003 χ^2 /NDF: 1002.6/16

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

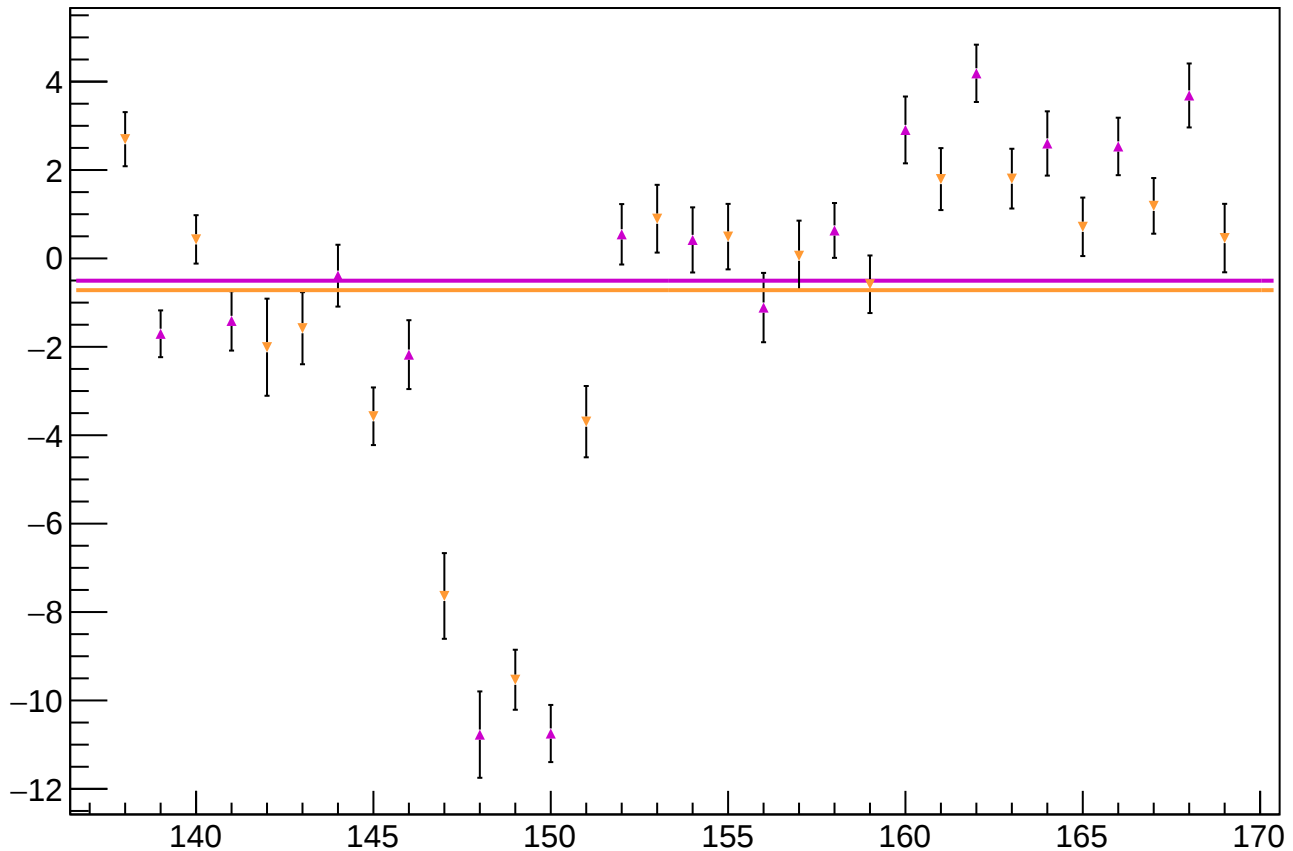
Left In: 0.056 $\pm$ 0.004 χ^2 /NDF: 1667.1/14

+ sign 0.157 $\pm$ 0.002 χ^2 /NDF: 6059.5/33

All: 0.148 $\pm$ 0.002 χ^2 /NDF: 11325.8/67

- sign 0.139 $\pm$ 0.002 χ^2 /NDF: 5231.2/33

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: -0.718 $\pm$ 0.172 χ^2 /NDF: 341.3/16

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

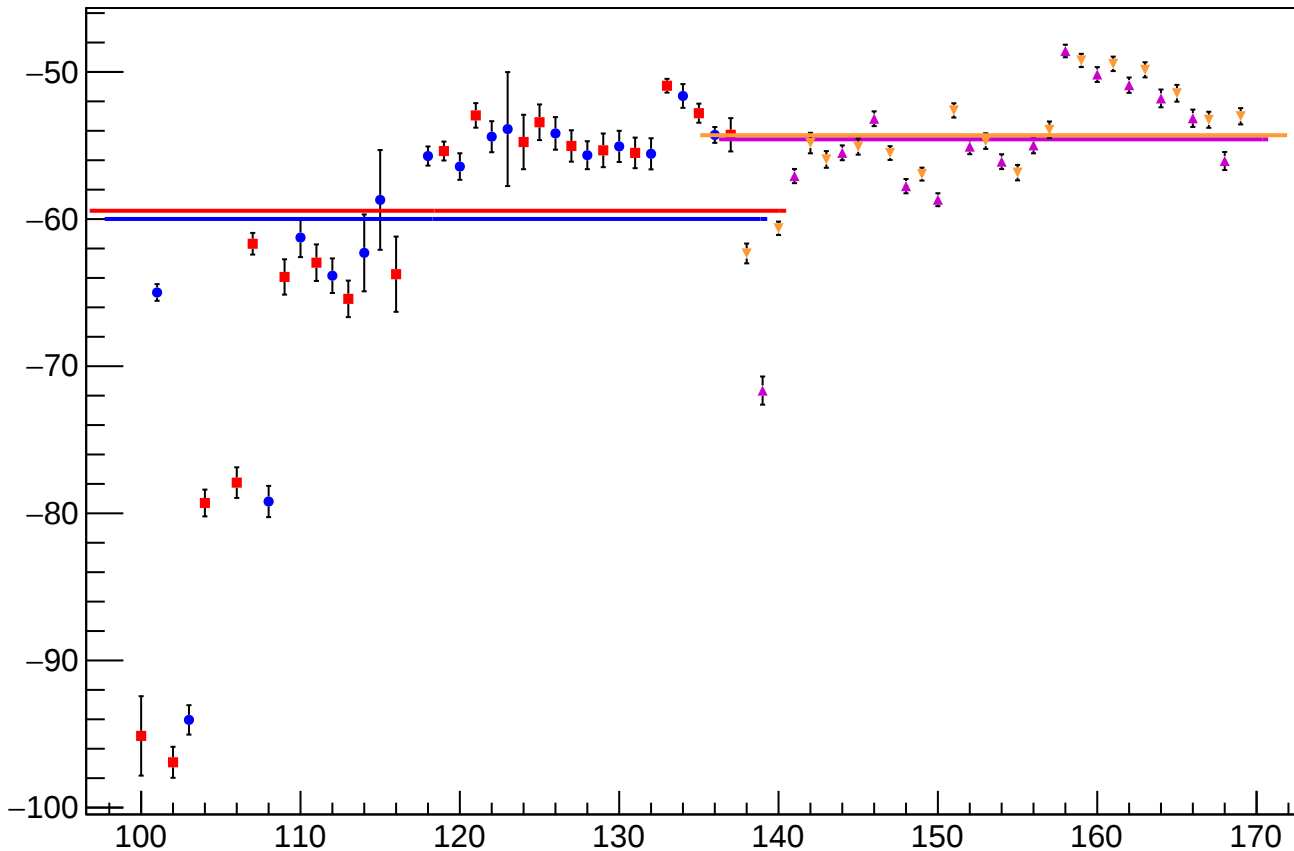
Left In: -0.504 $\pm$ 0.178 χ^2 /NDF: 527.3/14

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

All: -0.615 $\pm$ 0.124 χ^2 /NDF: 869.4/31

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

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.299 ± 0.127 χ^2/NDF : 757.5/16

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

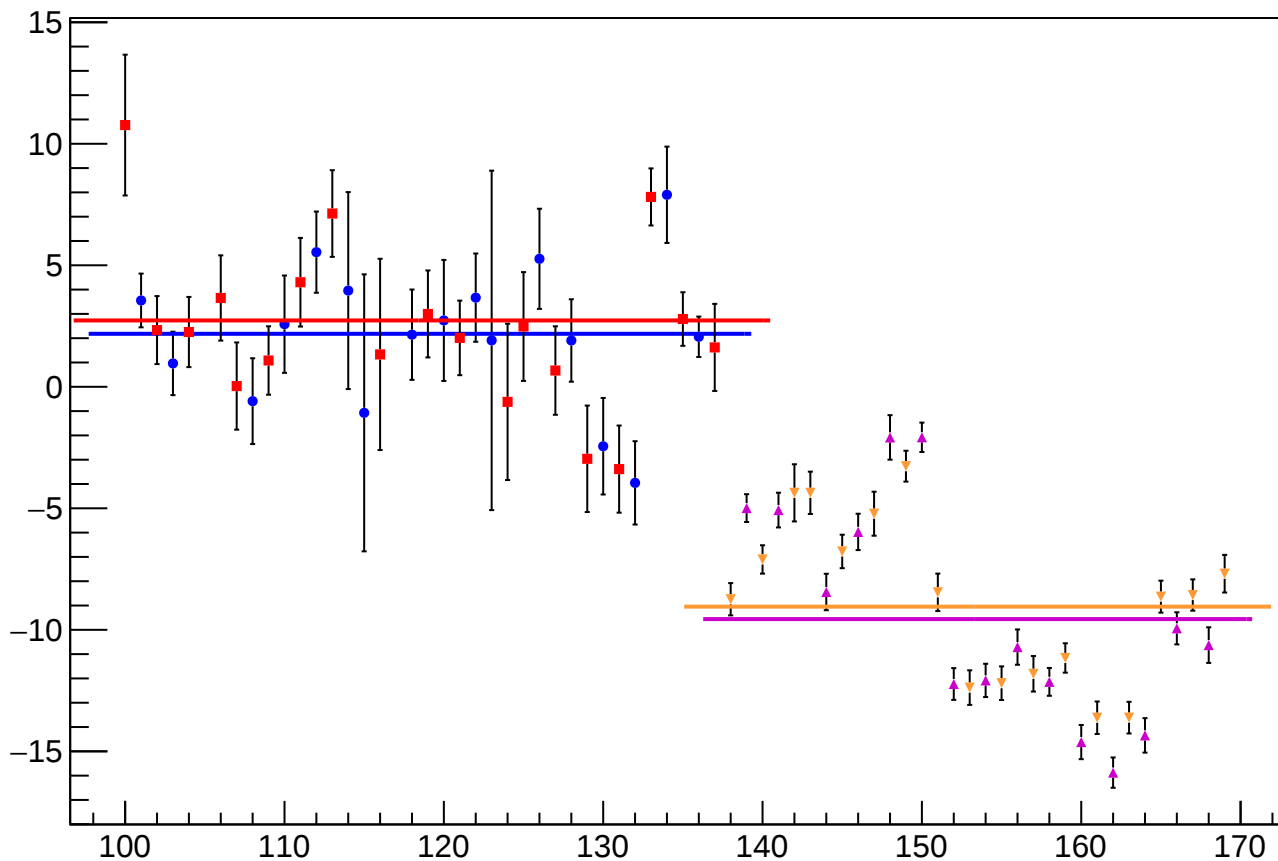
Left In: -54.580 ± 0.135 χ^2/NDF : 851.2/14

+ sign -55.669 ± 0.110 χ^2/NDF : 3216.7/33

All: -55.819 ± 0.079 χ^2/NDF : 7363.3/67

- sign -55.978 ± 0.114 χ^2/NDF : 4142.8/33

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 $\pm$ 0.406 χ^2 /NDF: 39.0/16

Left Out: -9.046 $\pm$ 0.171 χ^2 /NDF: 337.3/16

Right Out: 2.731 $\pm$ 0.388 χ^2 /NDF: 58.9/18

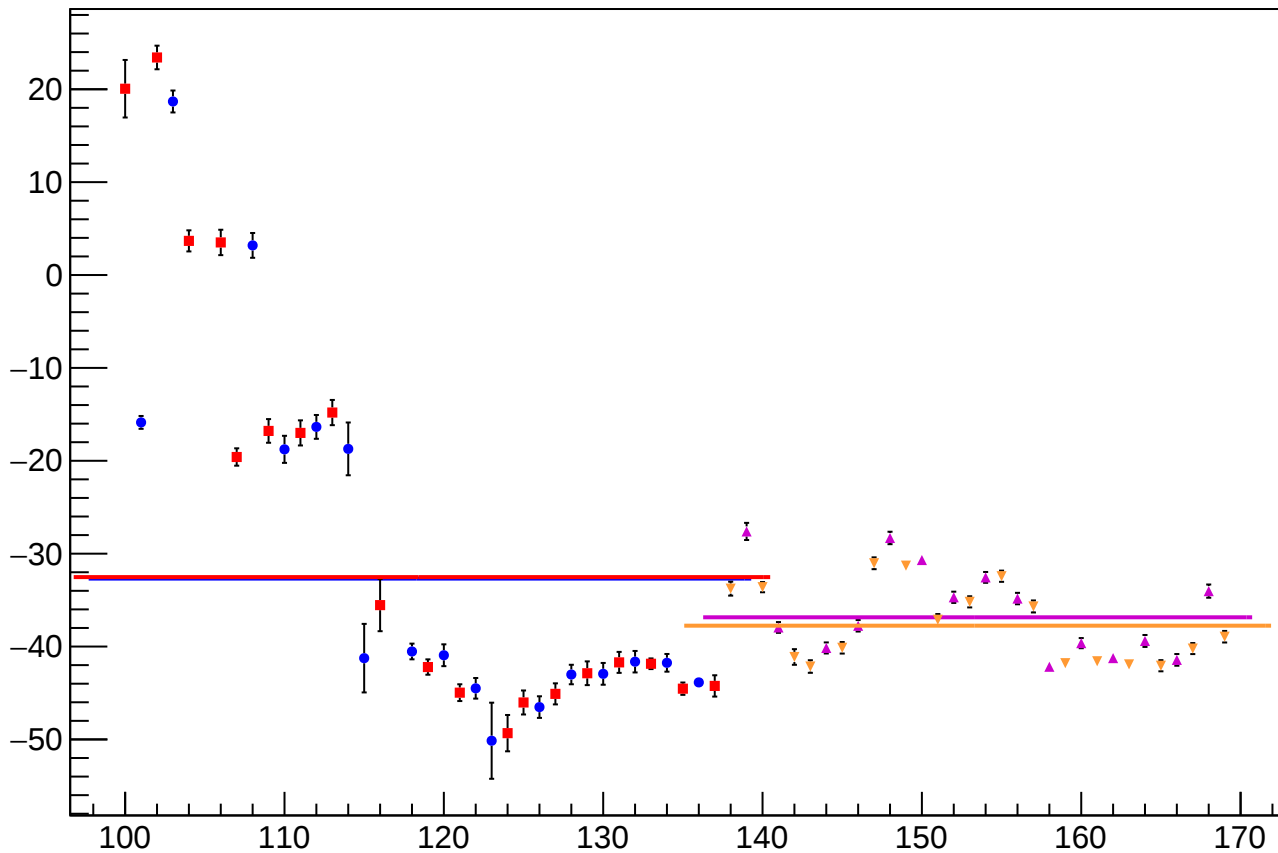
Left In: -9.558 $\pm$ 0.175 χ^2 /NDF: 603.3/14

+ sign -7.360 $\pm$ 0.157 χ^2 /NDF: 1027.3/33

All: -7.420 $\pm$ 0.112 χ^2 /NDF: 2523.5/67

- sign -7.480 $\pm$ 0.160 χ^2 /NDF: 1495.9/33

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -37.753 ± 0.145 $\chi^2/\text{NDF}: 783.2/16$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

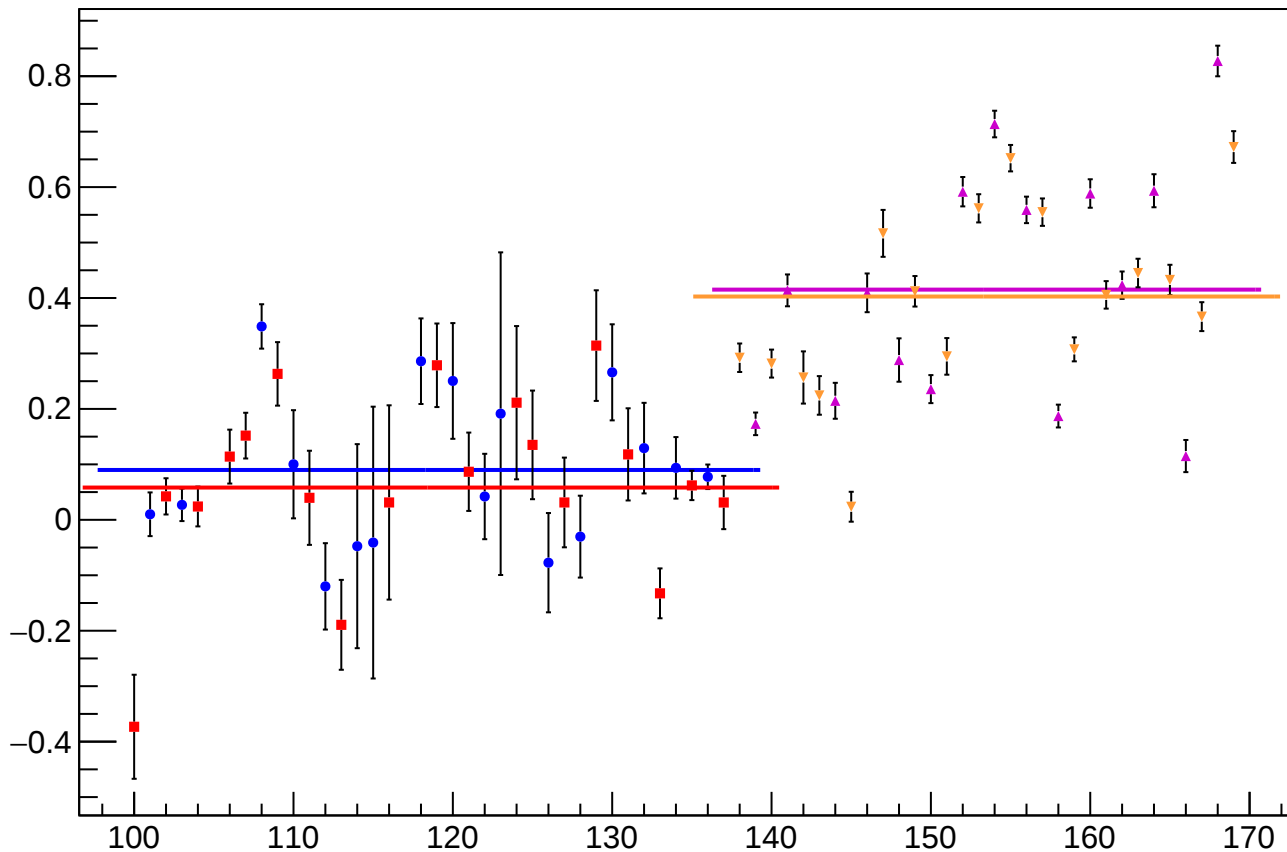
Left In: -36.851 ± 0.153 $\chi^2/\text{NDF}: 838.7/14$

+ sign -36.519 ± 0.126 $\chi^2/\text{NDF}: 5727.5/33$

All: -36.085 ± 0.090 $\chi^2/\text{NDF}: 12861.4/67$

- sign -35.626 ± 0.130 $\chi^2/\text{NDF}: 7109.6/33$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.403 $\pm$ 0.007 χ^2 /NDF: 593.4/16

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.1/18

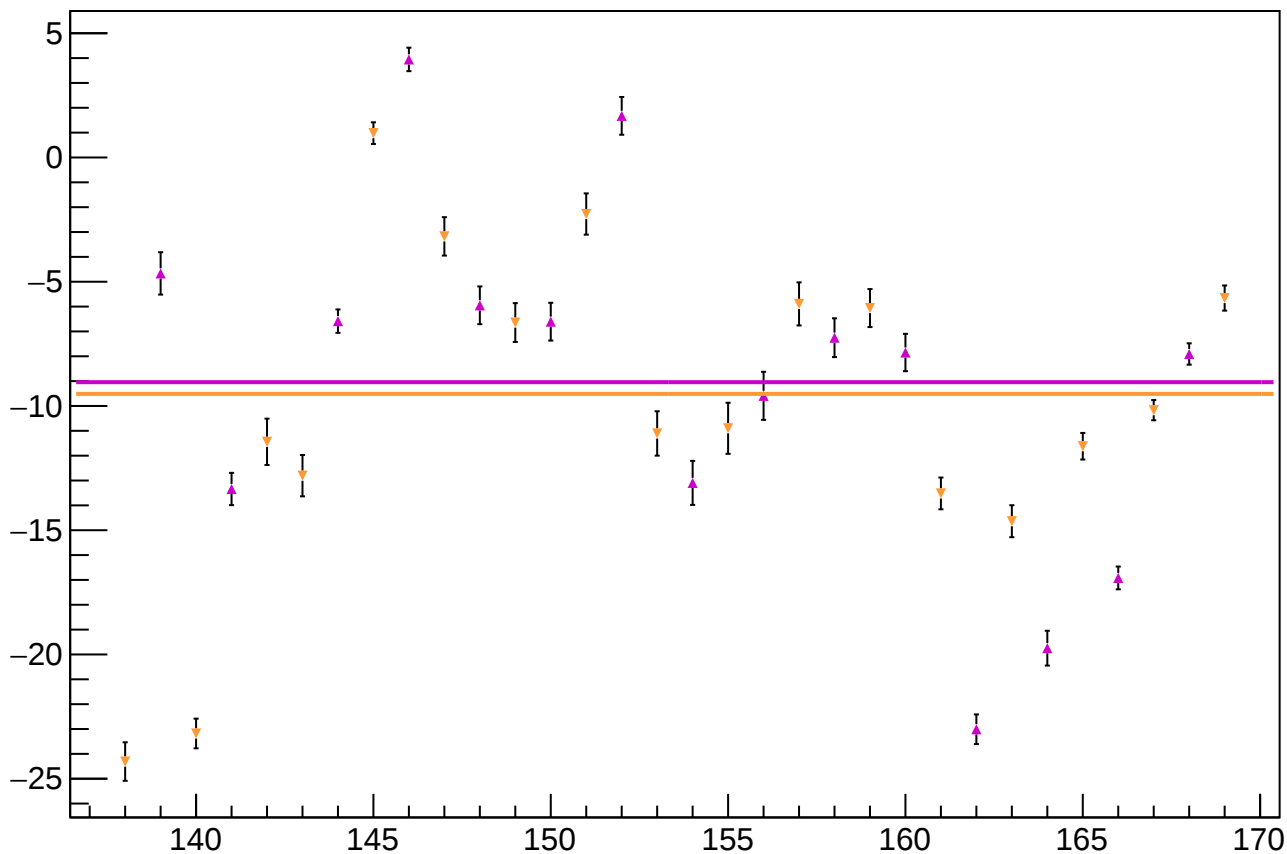
Left In: 0.415 $\pm$ 0.007 χ^2 /NDF: 1010.4/14

+ sign 0.336 $\pm$ 0.006 χ^2 /NDF: 1146.3/33

All: 0.333 $\pm$ 0.004 χ^2 /NDF: 2900.2/67

- sign 0.330 $\pm$ 0.006 χ^2 /NDF: 1753.4/33

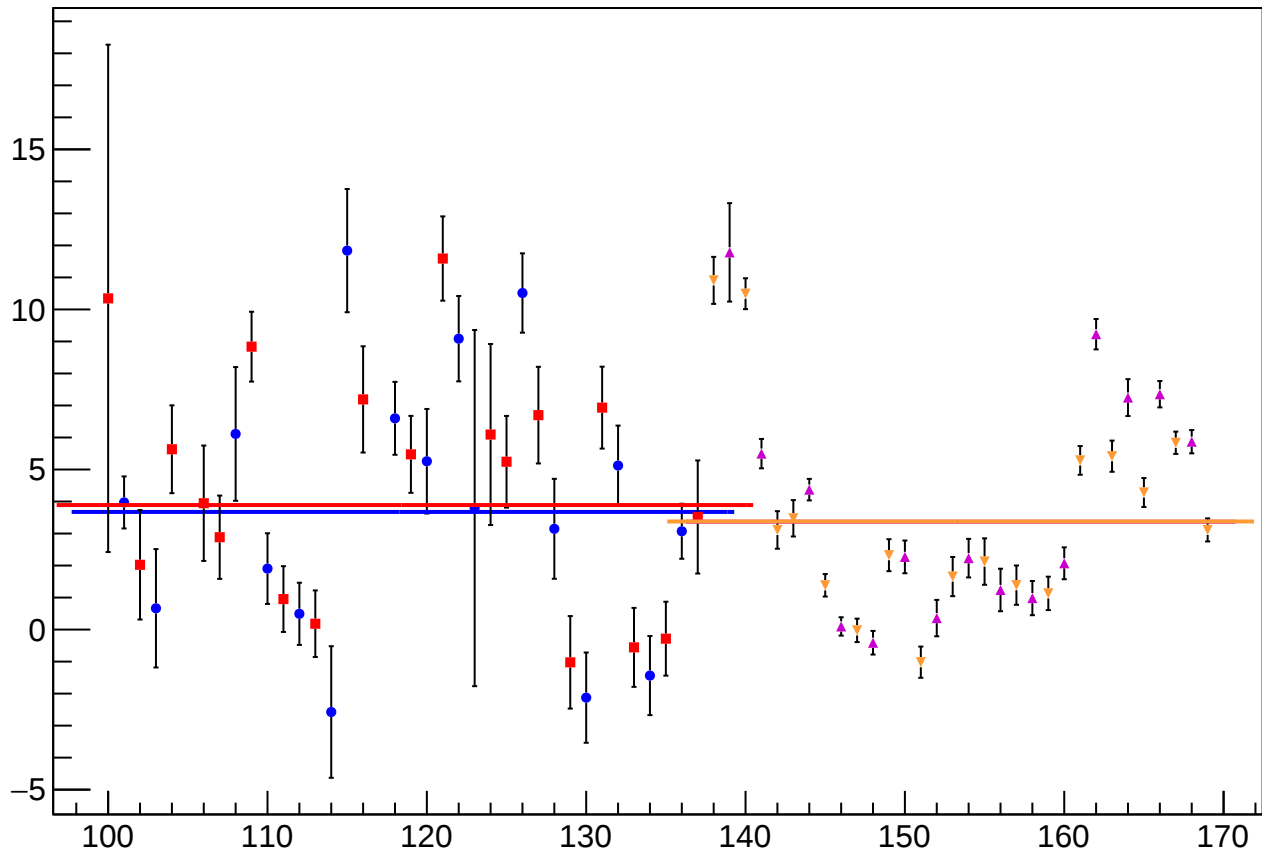
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.514 $\pm$ 0.157 χ^2 /NDF:1867.0/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -9.042 $\pm$ 0.161 χ^2 /NDF:2191.8/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -9.284 $\pm$ 0.112 χ^2 /NDF: 4063.2/31
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 3.377 ± 0.114 χ^2/NDF : 657.0/16

Right Out: 3.890 ± 0.316 χ^2/NDF : 133.7/18

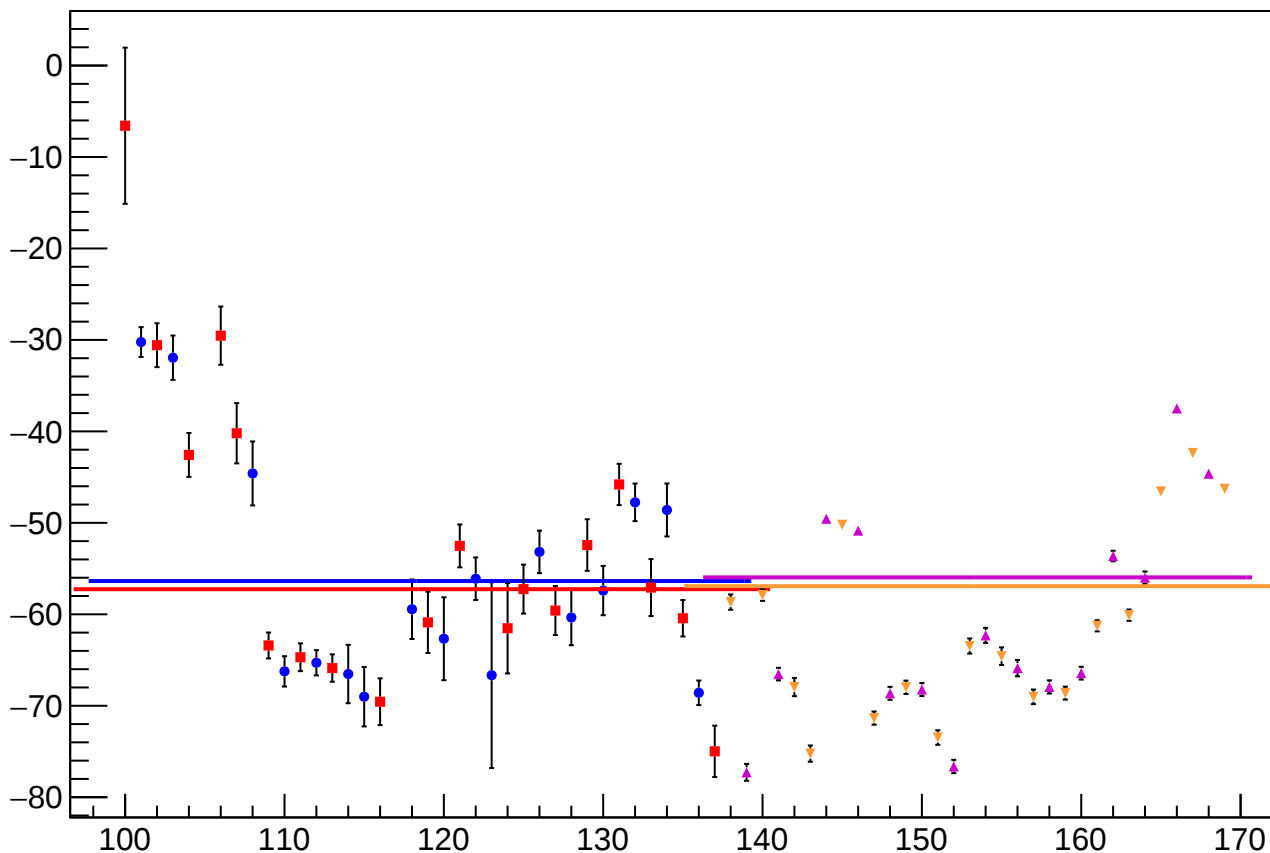
Left In: 3.370 ± 0.116 χ^2/NDF : 706.6/14

+ sign 3.412 ± 0.107 χ^2/NDF : 793.0/33

All: 3.422 ± 0.076 χ^2/NDF : 1635.8/67

- sign 3.432 ± 0.109 χ^2/NDF : 842.7/33

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -56.923 ± 0.157 χ^2/NDF : 4577.2/16

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

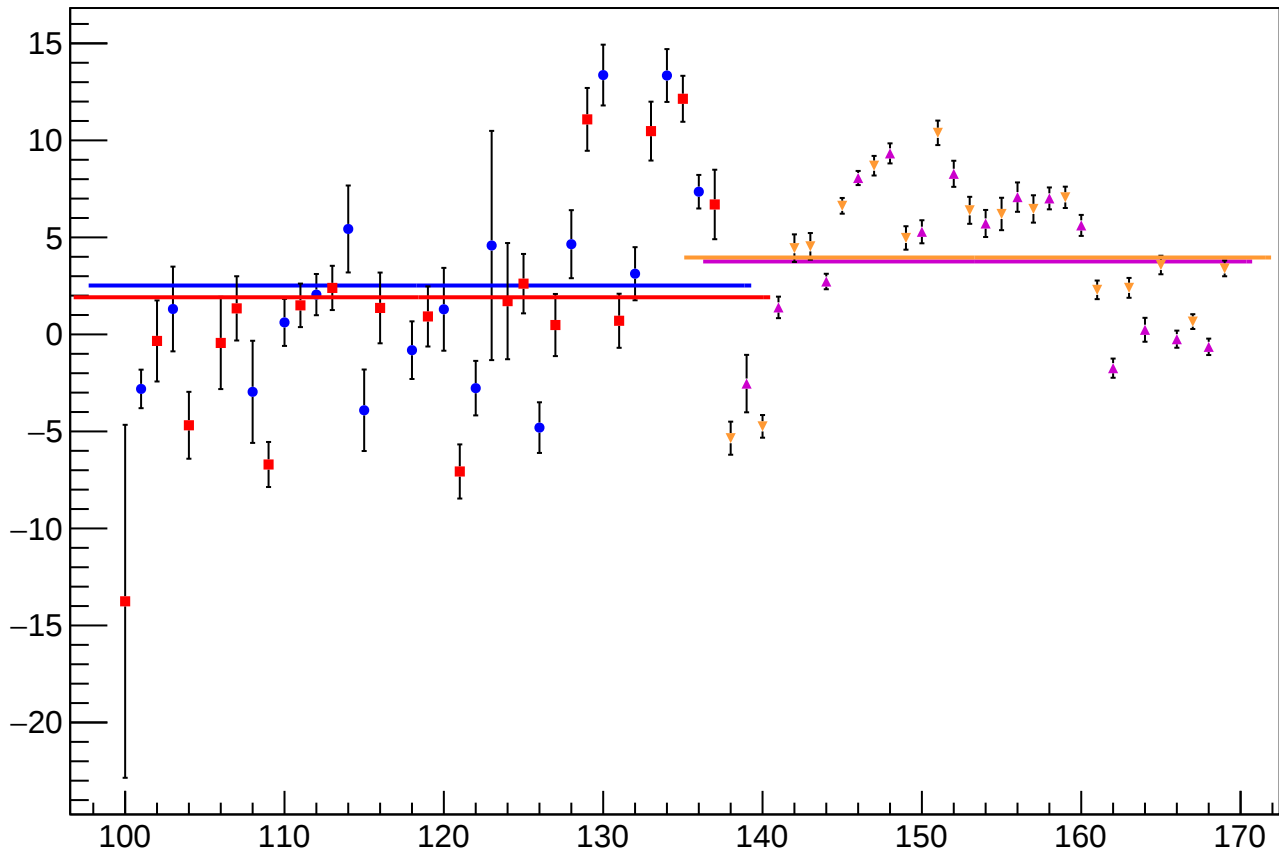
Left In: -55.962 ± 0.159 χ^2/NDF : 5429.8/14

+ sign -56.880 ± 0.150 χ^2/NDF : 5165.4/33

All: -56.478 ± 0.107 χ^2/NDF : 11091.0/67

- sign -56.066 ± 0.152 χ^2/NDF : 5911.1/33

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 3.964 ± 0.131 χ^2/NDF : 742.4/16

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

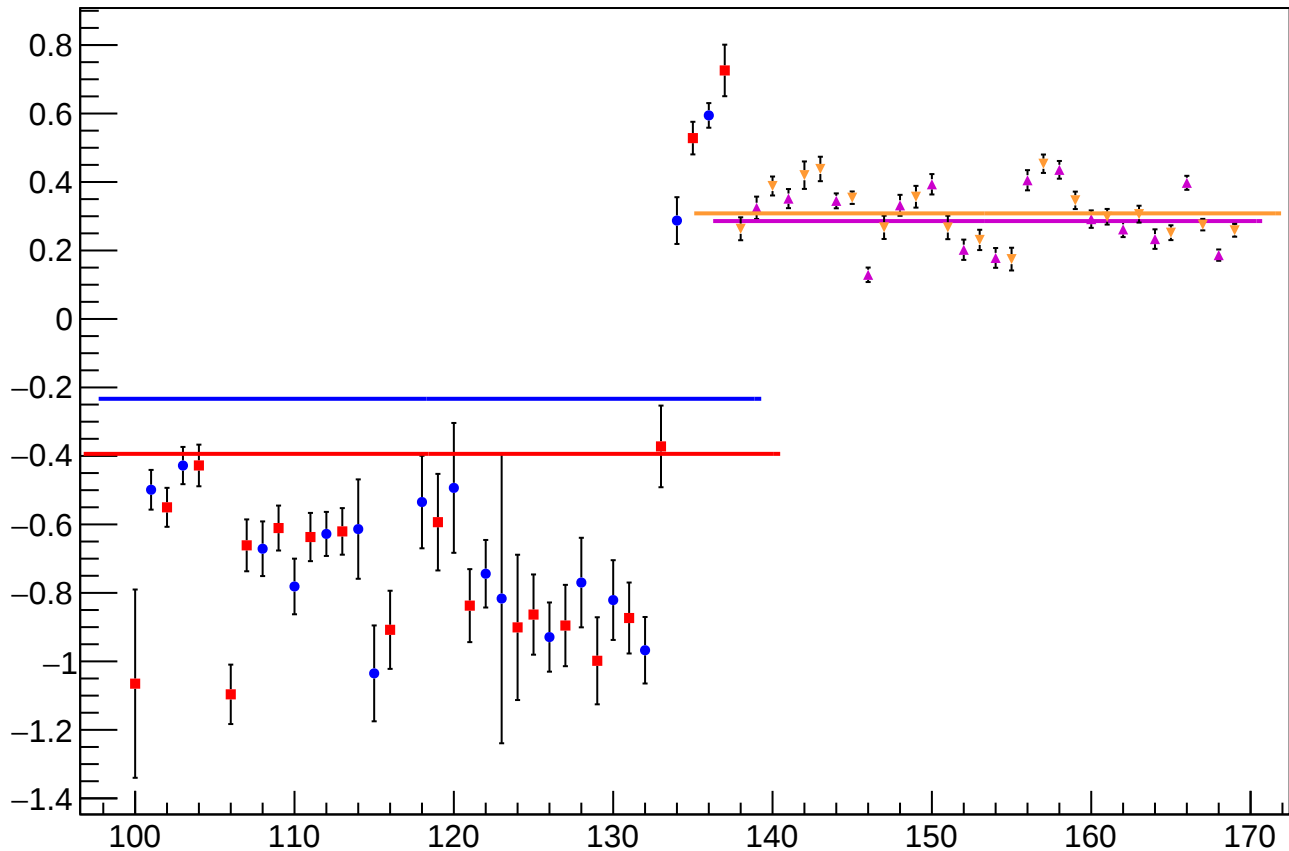
Left In: 3.759 ± 0.136 χ^2/NDF : 769.1/14

+ sign 3.783 ± 0.123 χ^2/NDF : 999.9/33

All: 3.657 ± 0.088 χ^2/NDF : 2059.3/67

- sign 3.523 ± 0.127 χ^2/NDF : 1057.2/33

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.308 ± 0.006 χ^2/NDF : 114.8/16

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

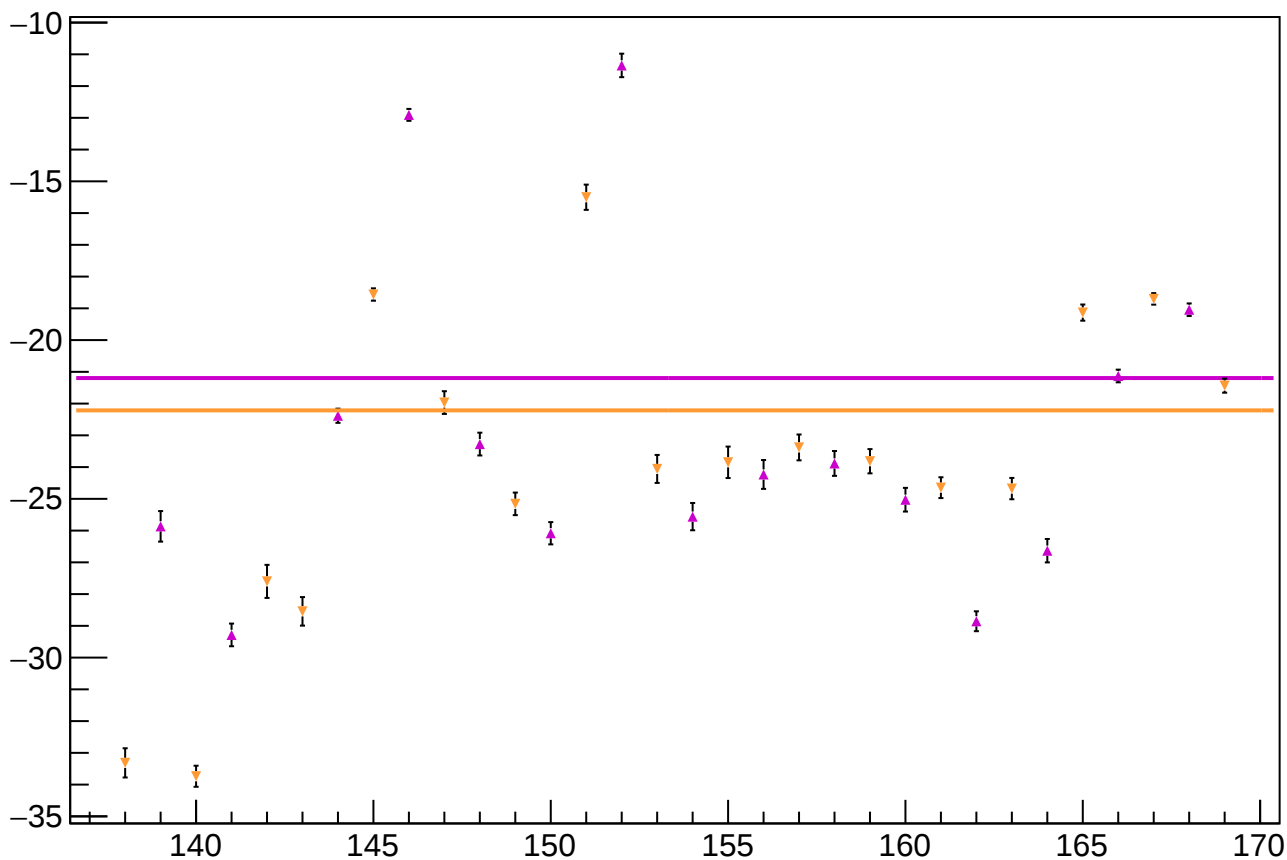
Left In: 0.286 ± 0.006 χ^2/NDF : 226.8/14

+ sign 0.256 ± 0.006 χ^2/NDF : 1813.5/33

All: 0.237 ± 0.004 χ^2/NDF : 4059.4/67

- sign 0.217 ± 0.006 χ^2/NDF : 2223.8/33

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -22.214+/-0.075 χ^2/NDF : 3492.5/16

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

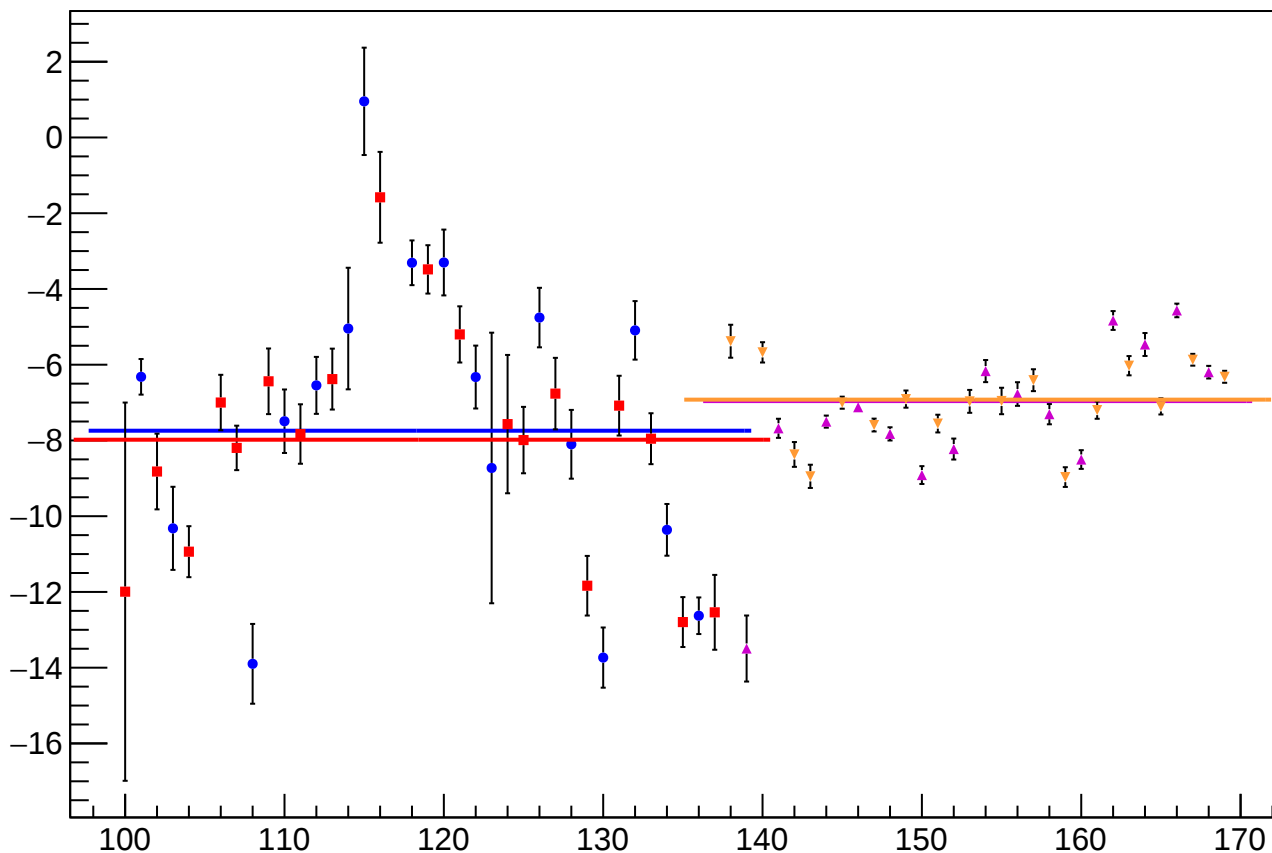
Left In: -21.196+/-0.075 χ^2/NDF : 4764.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.706+/-0.053 χ^2/NDF : 8348.4/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -6.923 ± 0.055 χ^2/NDF : 260.3/16

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

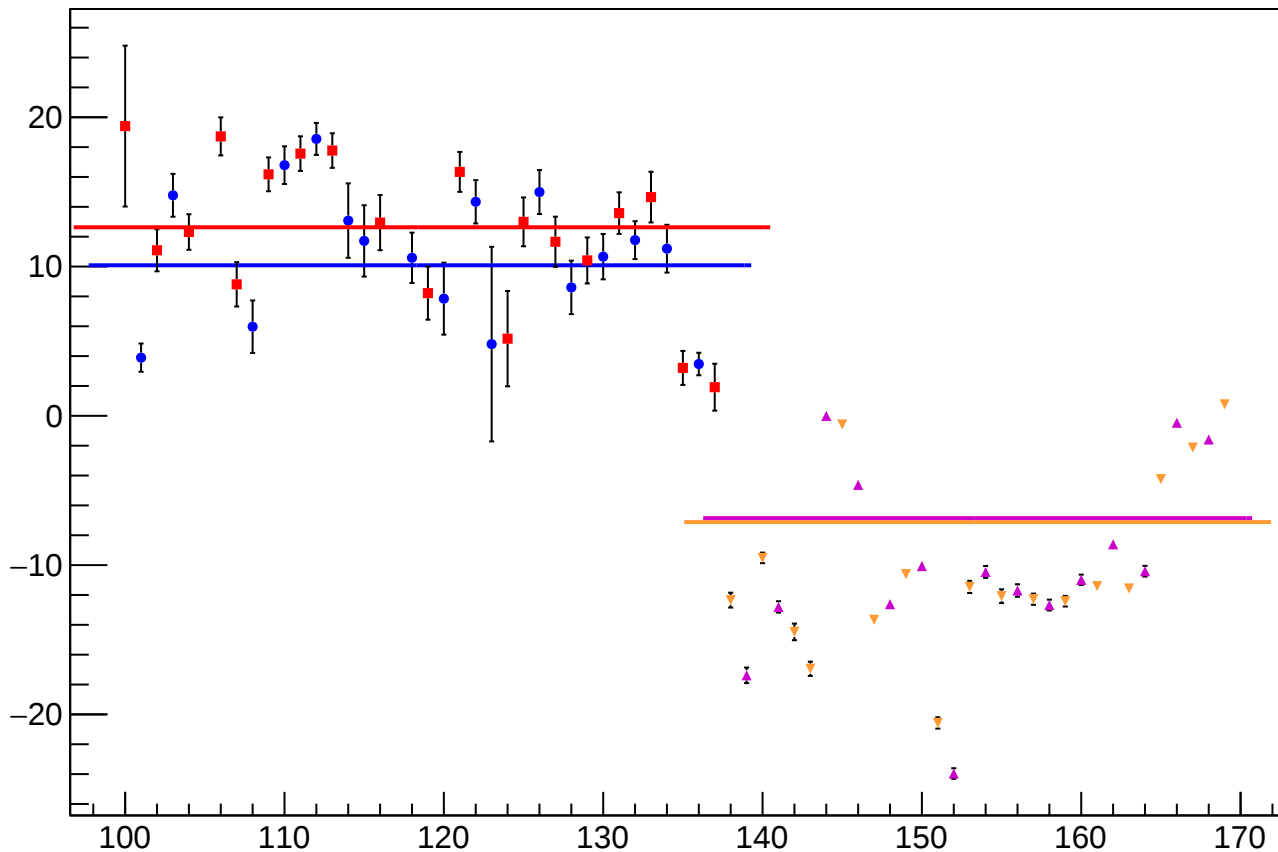
Left In: -6.961 ± 0.054 χ^2/NDF : 535.8/14

+ sign -6.987 ± 0.053 χ^2/NDF : 655.6/33

All: -7.014 ± 0.037 χ^2/NDF : 1443.2/67

- sign -7.041 ± 0.052 χ^2/NDF : 787.1/33

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -7.119 ± 0.075 χ^2/NDF : 6635.5/16

Right Out: 12.632 ± 0.333 χ^2/NDF : 218.6/18

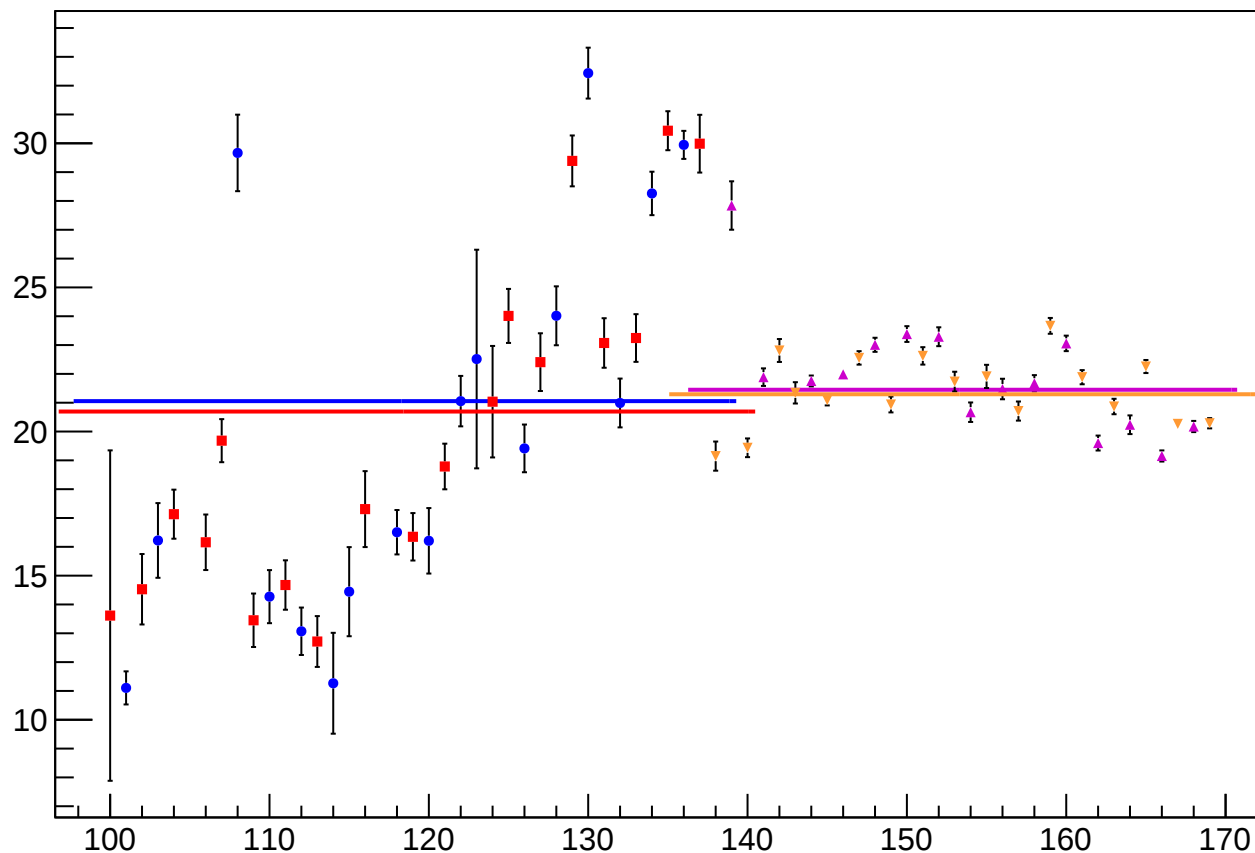
Left In: -6.853 ± 0.074 χ^2/NDF : 6776.5/14

+ sign -6.314 ± 0.073 χ^2/NDF : 9358.2/33

All: -6.118 ± 0.052 χ^2/NDF : 19634.8/67

- sign -5.925 ± 0.073 χ^2/NDF : 10262.4/33

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 21.293 $\pm$ 0.063 χ^2 /NDF: 293.2/16

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

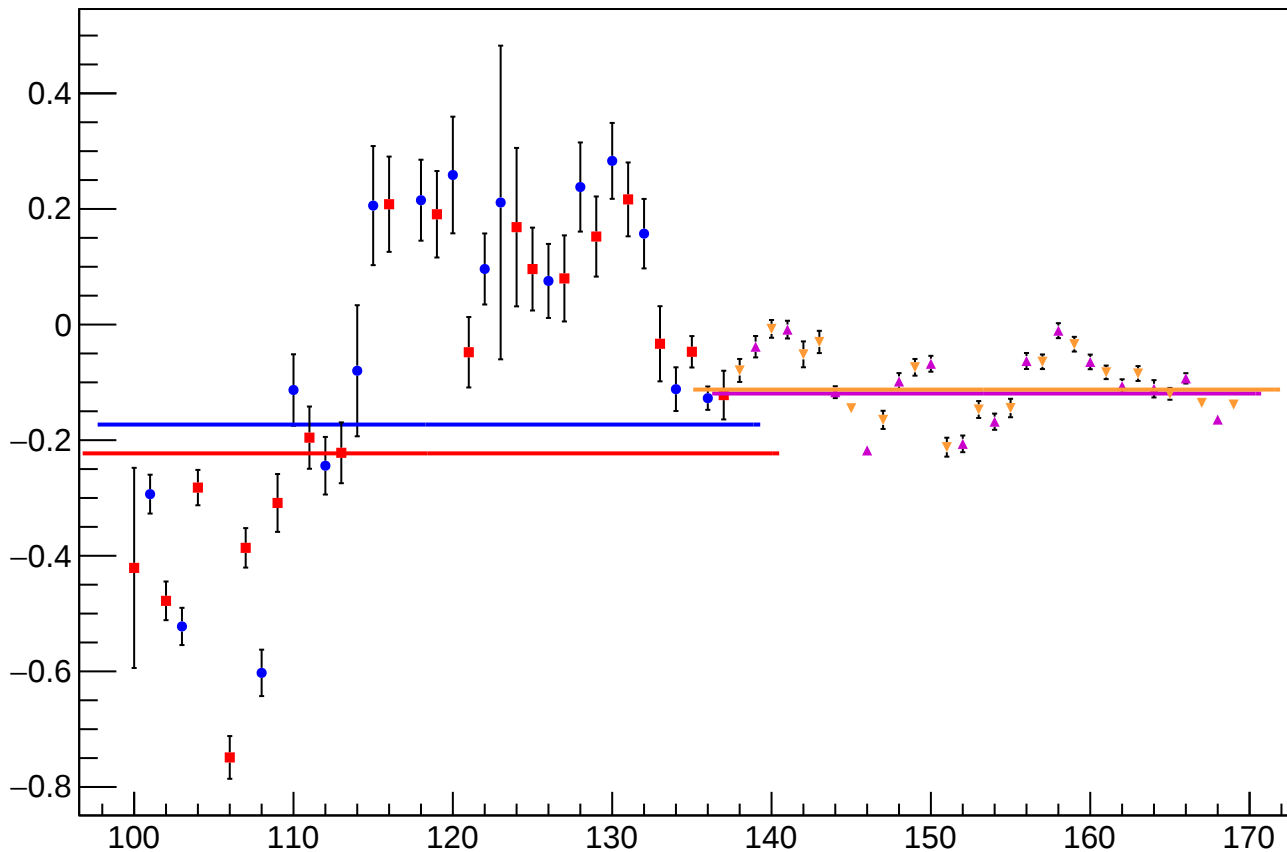
Left In: 21.450 $\pm$ 0.064 χ^2 /NDF: 489.7/14

+ sign 21.274 $\pm$ 0.060 χ^2 /NDF: 1506.2/33

All: 21.330 $\pm$ 0.043 χ^2 /NDF: 2733.3/67

- sign 21.387 $\pm$ 0.061 χ^2 /NDF: 1225.4/33

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.112 ± 0.003 χ^2/NDF : 239.4/16

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

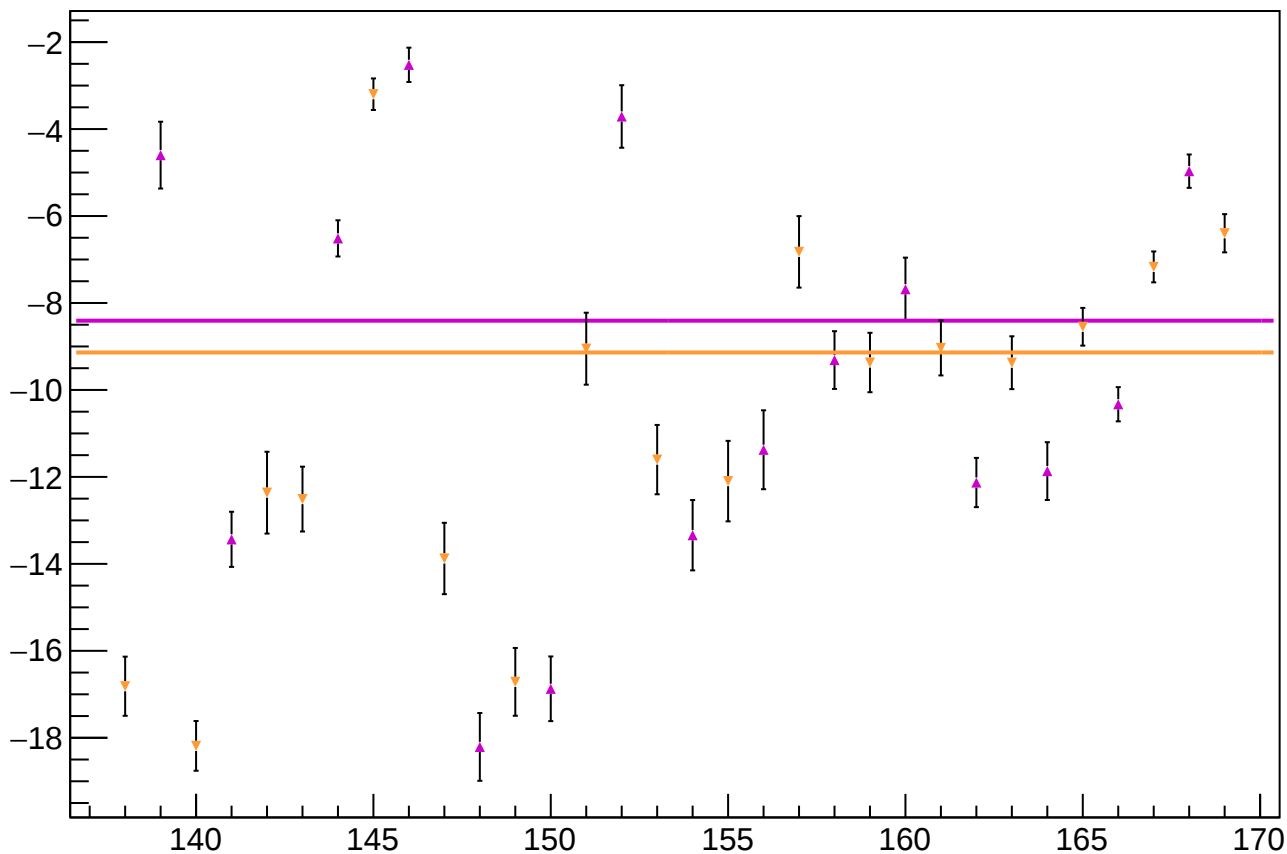
Left In: -0.119 ± 0.003 χ^2/NDF : 422.8/14

+ sign -0.116 ± 0.003 χ^2/NDF : 728.5/33

All: -0.121 ± 0.002 χ^2/NDF : 1775.8/67

- sign -0.127 ± 0.003 χ^2/NDF : 1040.9/33

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.138+/-0.141 χ^2/NDF : 905.1/16

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

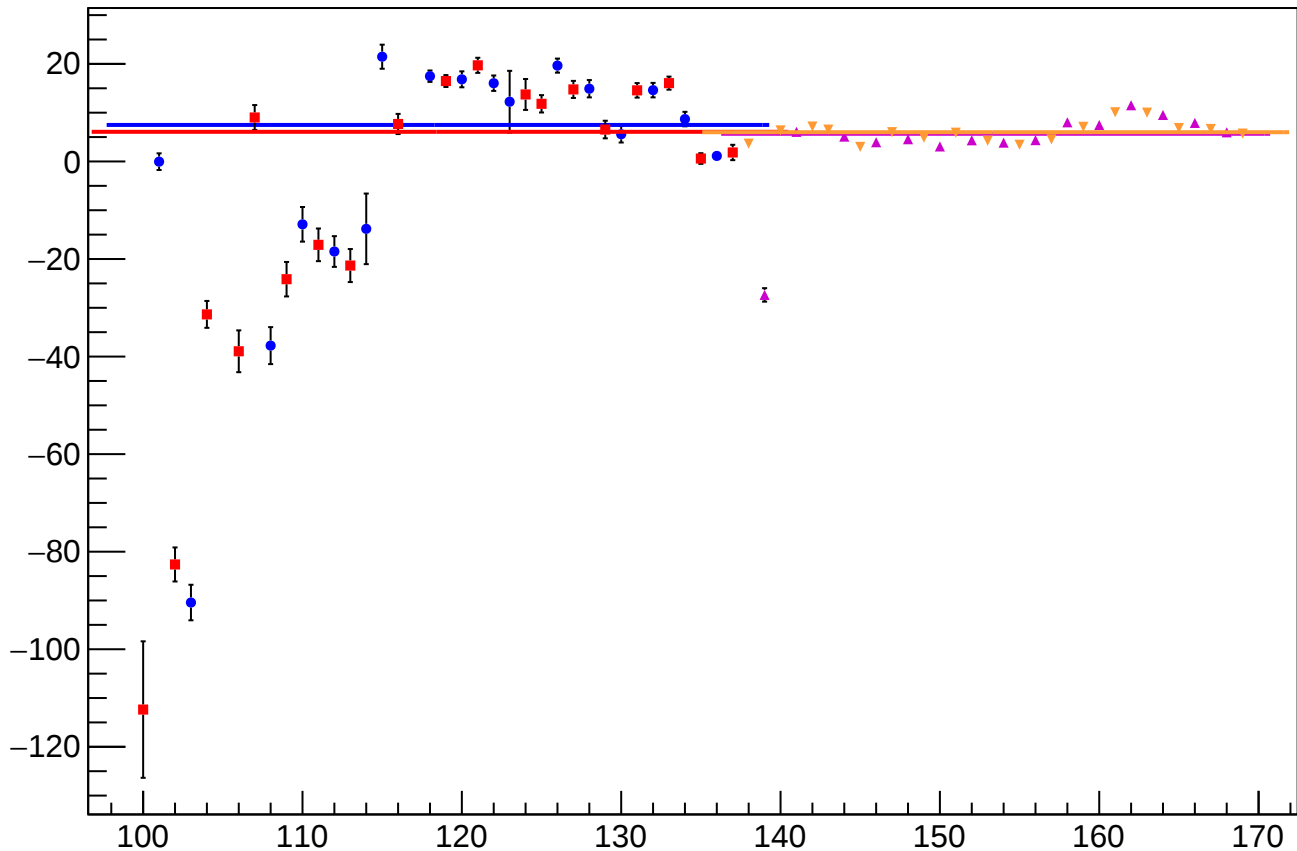
Left In: -8.407+/-0.145 χ^2/NDF : 886.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -8.784+/-0.101 χ^2/NDF : 1804.6/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 5.996 ± 0.104 χ^2/NDF : 343.0/16

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

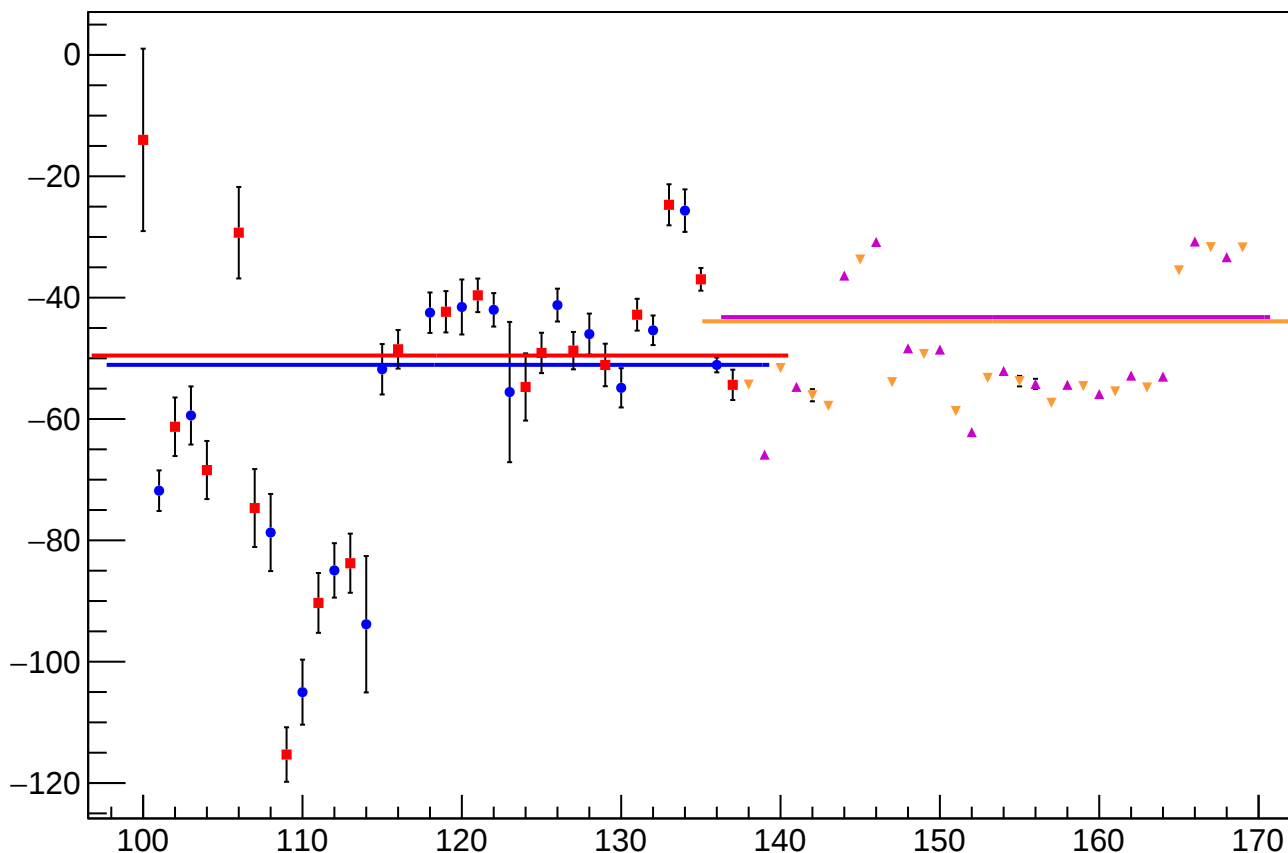
Left In: 5.675 ± 0.107 χ^2/NDF : 979.8/14

+ sign 6.088 ± 0.101 χ^2/NDF : 1696.2/33

All: 5.898 ± 0.072 χ^2/NDF : 4196.2/67

- sign 5.698 ± 0.104 χ^2/NDF : 2492.7/33

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -43.895 ± 0.141 χ^2/NDF : 5956.9/16

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

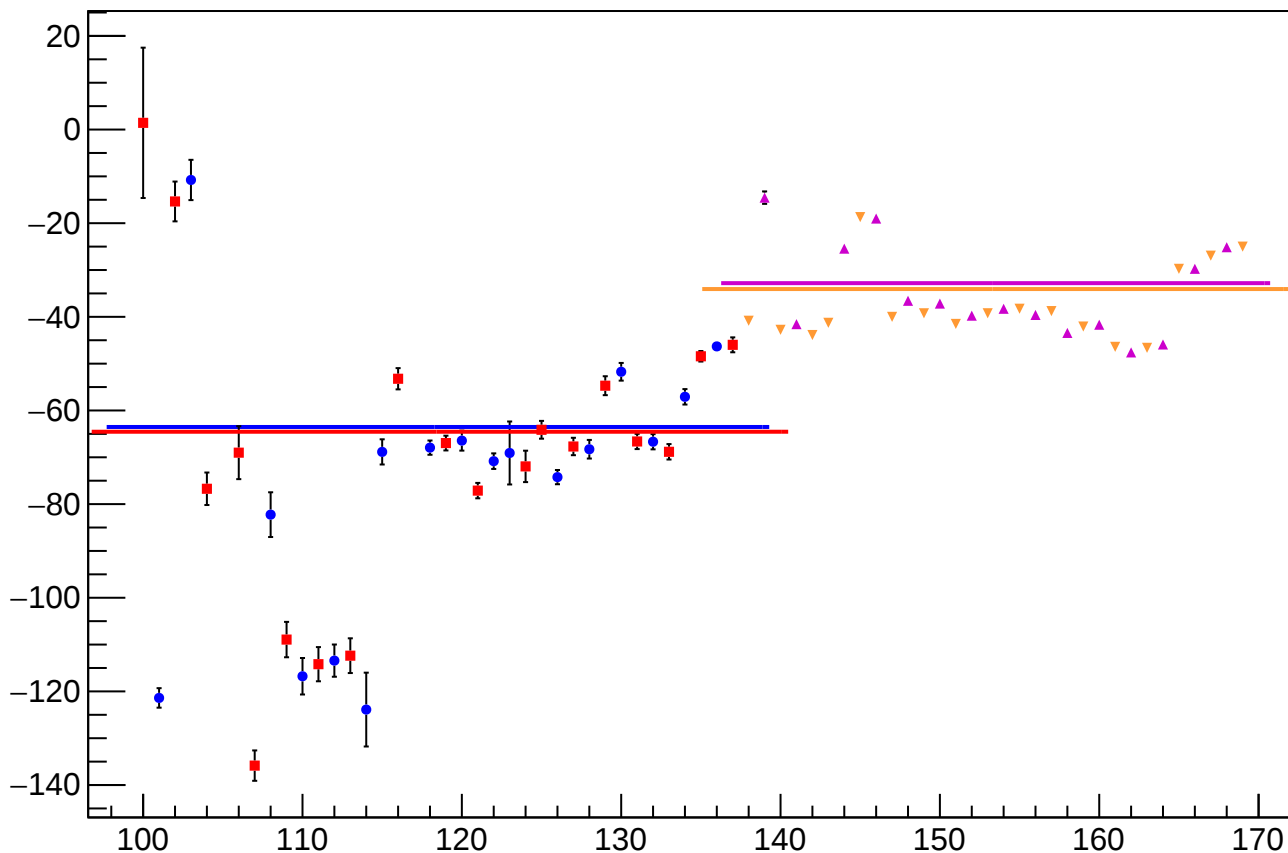
Left In: -43.204 ± 0.144 χ^2/NDF : 6352.9/14

+ sign -44.147 ± 0.139 χ^2/NDF : 6377.8/33

All: -43.783 ± 0.099 χ^2/NDF : 13315.2/67

- sign -43.403 ± 0.142 χ^2/NDF : 6923.4/33

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -34.065 ± 0.119 χ^2/NDF : 6119.4/16

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

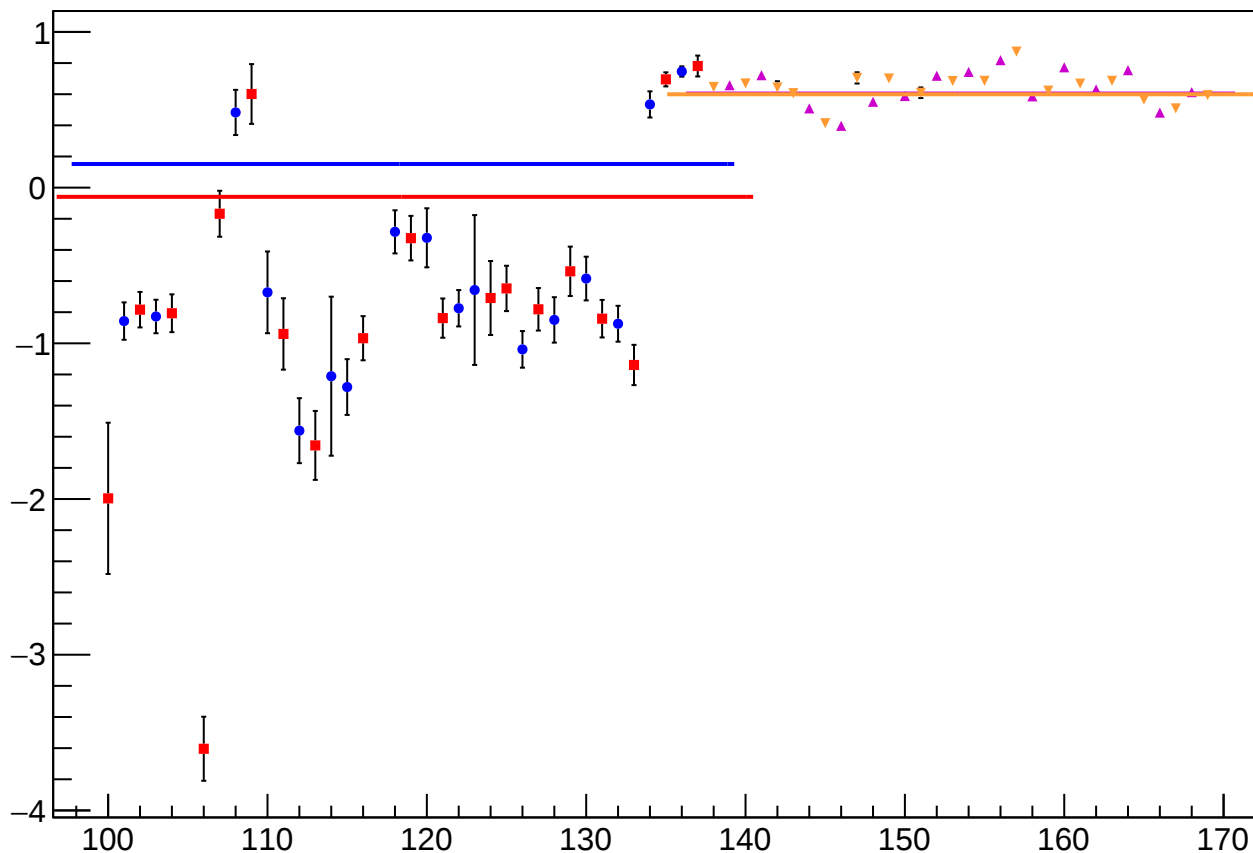
Left In: -32.806 ± 0.124 χ^2/NDF : 5949.1/14

+ sign -36.002 ± 0.115 χ^2/NDF : 12158.4/33

All: -35.412 ± 0.083 χ^2/NDF : 23815.9/67

- sign -34.769 ± 0.120 χ^2/NDF : 11602.6/33

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.599 ± 0.006 χ^2/NDF : 379.4/16

Right Out: -0.059 ± 0.026 χ^2/NDF : 1161.9/18

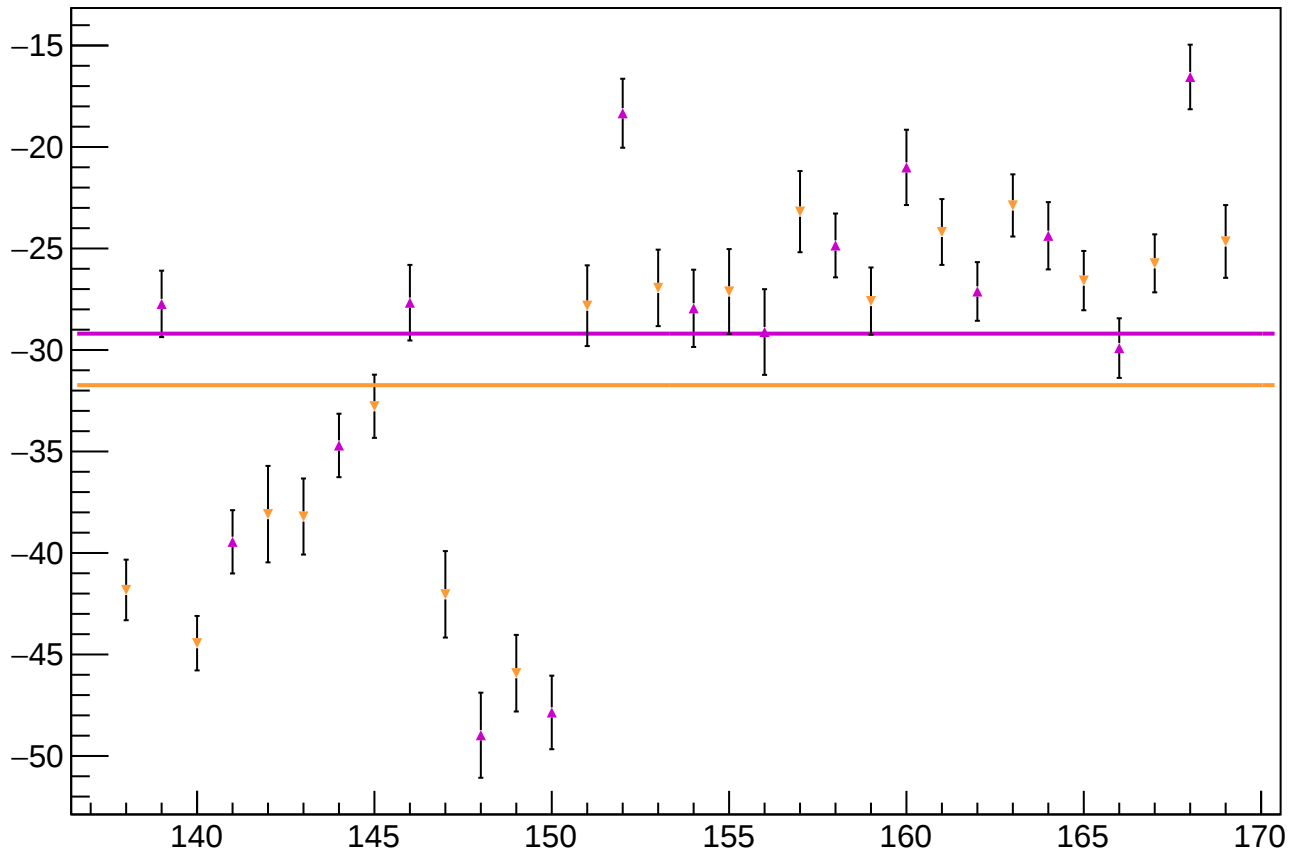
Left In: 0.604 ± 0.006 χ^2/NDF : 417.8/14

+ sign 0.577 ± 0.005 χ^2/NDF : 1696.4/33

All: 0.575 ± 0.004 χ^2/NDF : 3883.6/67

- sign 0.574 ± 0.006 χ^2/NDF : 2187.0/33

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.732 $\pm$ 0.414 χ^2 /NDF: 375.4/16

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

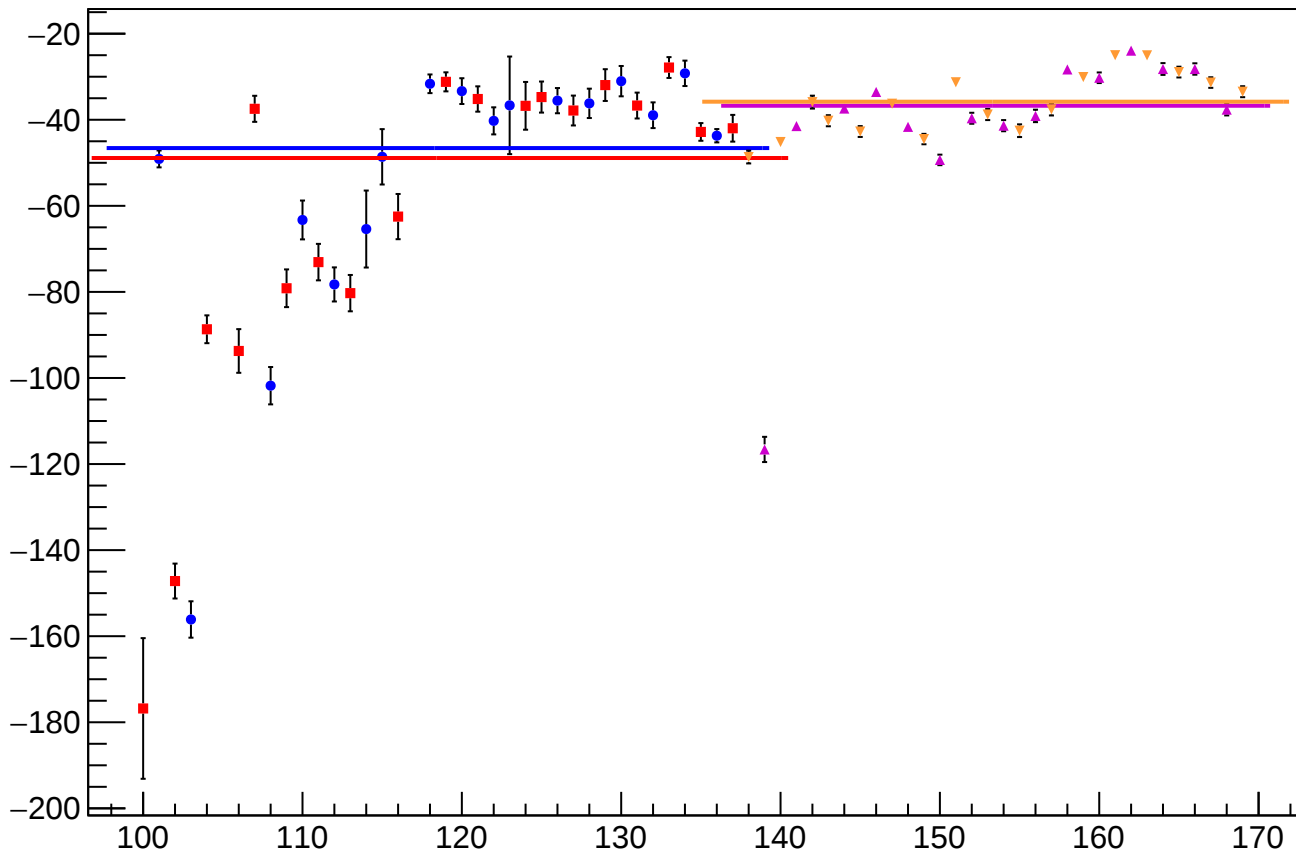
Left In: -29.195 $\pm$ 0.436 χ^2 /NDF: 394.5/14

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

All: -30.529 $\pm$ 0.300 χ^2 /NDF: 787.8/31

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

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -35.801 ± 0.300 χ^2/NDF : 531.8/16

Right Out: -48.888 ± 0.763 χ^2/NDF : 1277.5/18

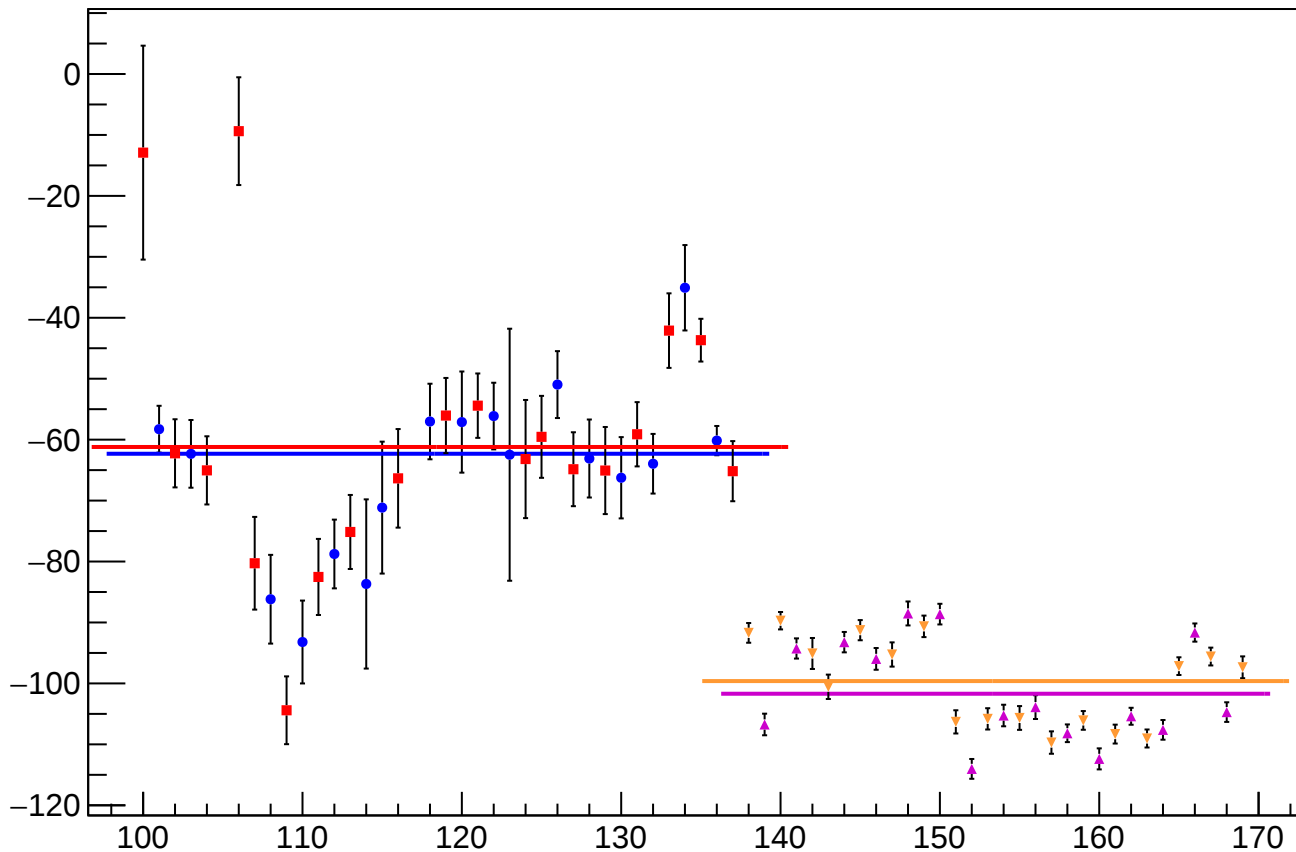
Left In: -36.742 ± 0.321 χ^2/NDF : 1210.0/14

+ sign -37.362 ± 0.278 χ^2/NDF : 1794.8/33

All: -37.926 ± 0.202 χ^2/NDF : 4506.2/67

- sign -38.565 ± 0.296 χ^2/NDF : 2702.6/33

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -99.617 ± 0.411 χ^2/NDF : 298.1/16

Right Out: -61.203 ± 1.381 χ^2/NDF : 165.0/18

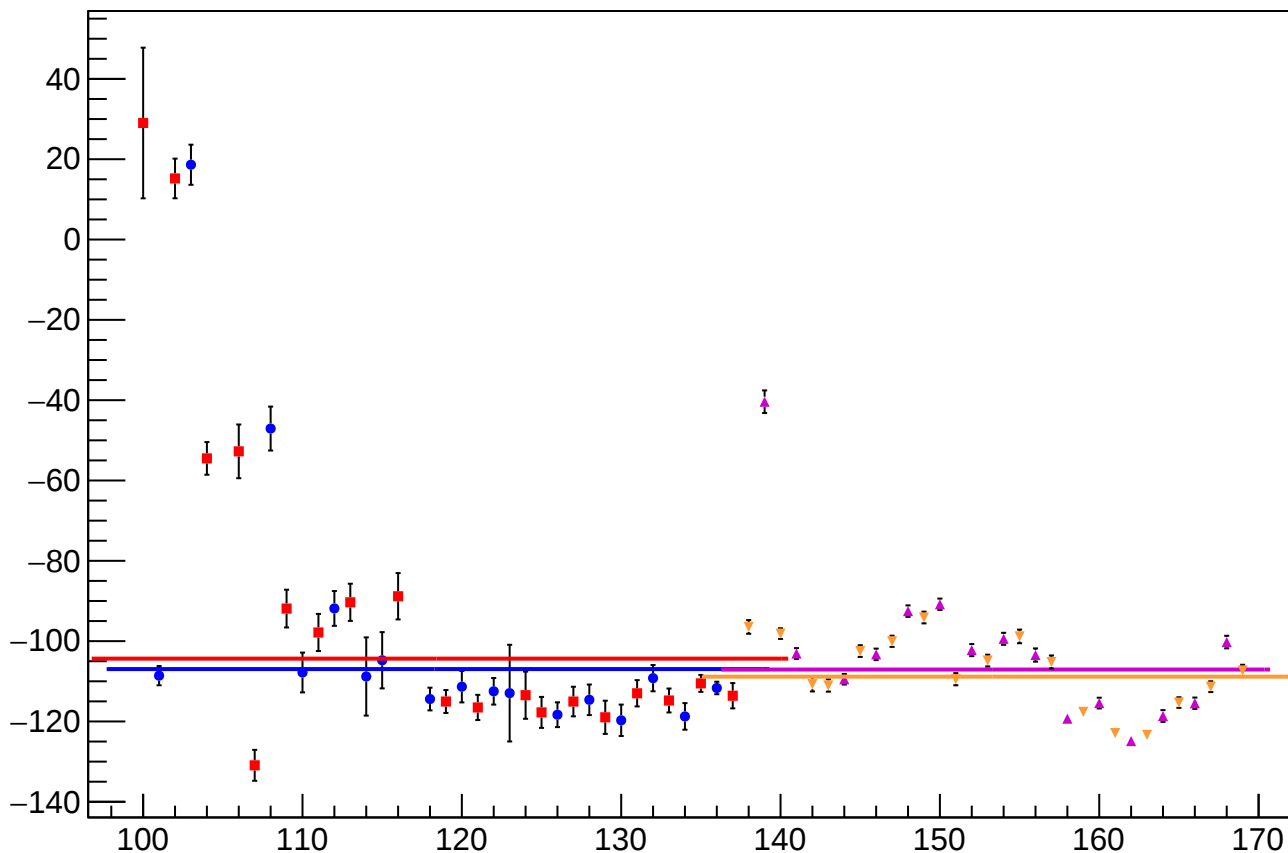
Left In: -101.694 ± 0.428 χ^2/NDF : 358.9/14

+ sign -96.305 ± 0.392 χ^2/NDF : 1097.8/33

All: -97.189 ± 0.283 χ^2/NDF : 2416.7/67

- sign -98.149 ± 0.409 χ^2/NDF : 1308.3/33

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -108.840 ± 0.346 $\chi^2/\text{NDF}: 686.0/16$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

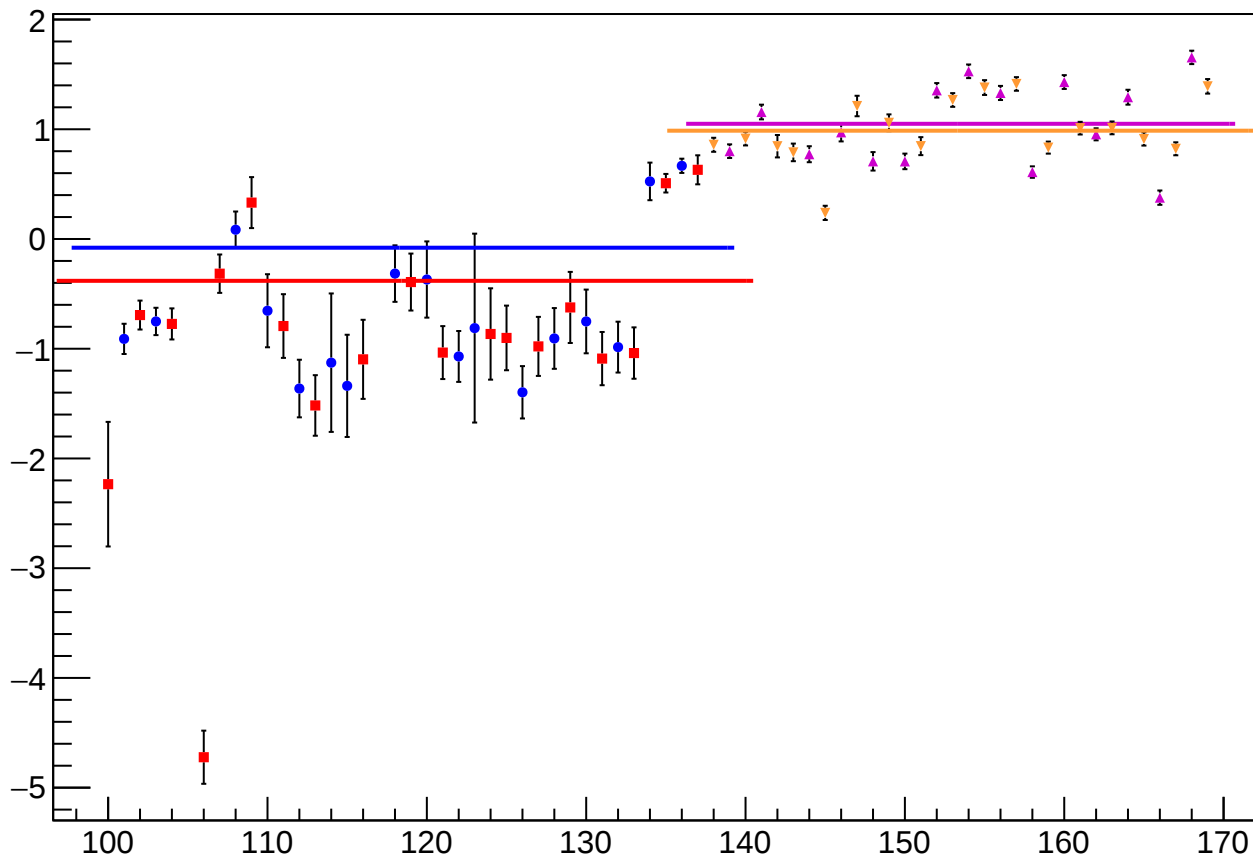
Left In: -107.073 ± 0.368 $\chi^2/\text{NDF}: 1343.6/14$

+ sign -108.554 ± 0.318 $\chi^2/\text{NDF}: 1517.7/33$

All: -107.662 ± 0.232 $\chi^2/\text{NDF}: 3907.4/67$

- sign -106.653 ± 0.339 $\chi^2/\text{NDF}: 2373.0/33$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.987 ± 0.016 χ^2/NDF : 312.1/16

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

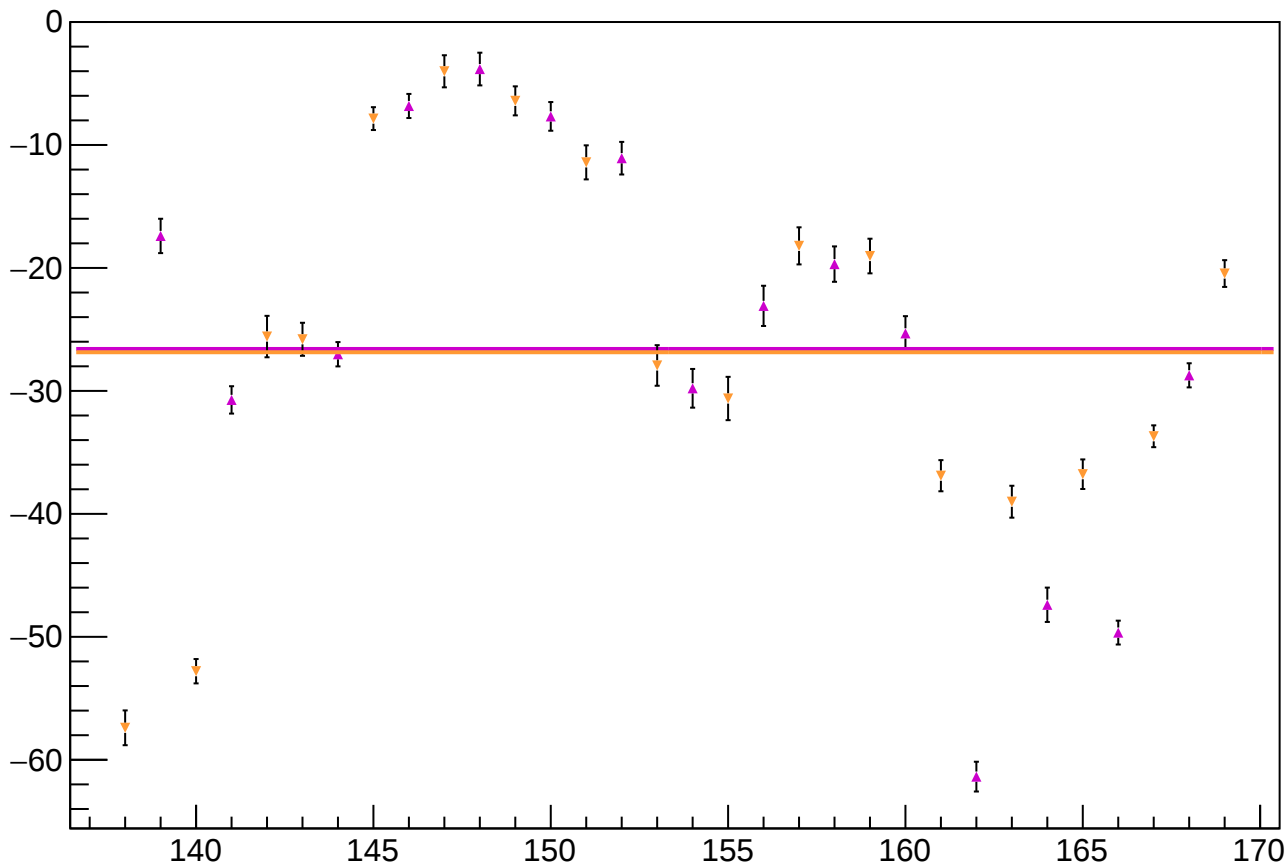
Left In: 1.050 ± 0.017 χ^2/NDF : 501.0/14

+ sign 0.852 ± 0.015 χ^2/NDF : 1196.7/33

All: 0.860 ± 0.011 χ^2/NDF : 3201.9/67

- sign 0.868 ± 0.016 χ^2/NDF : 2004.6/33

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -26.855+/-0.301 χ^2/NDF : 2683.5/16

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

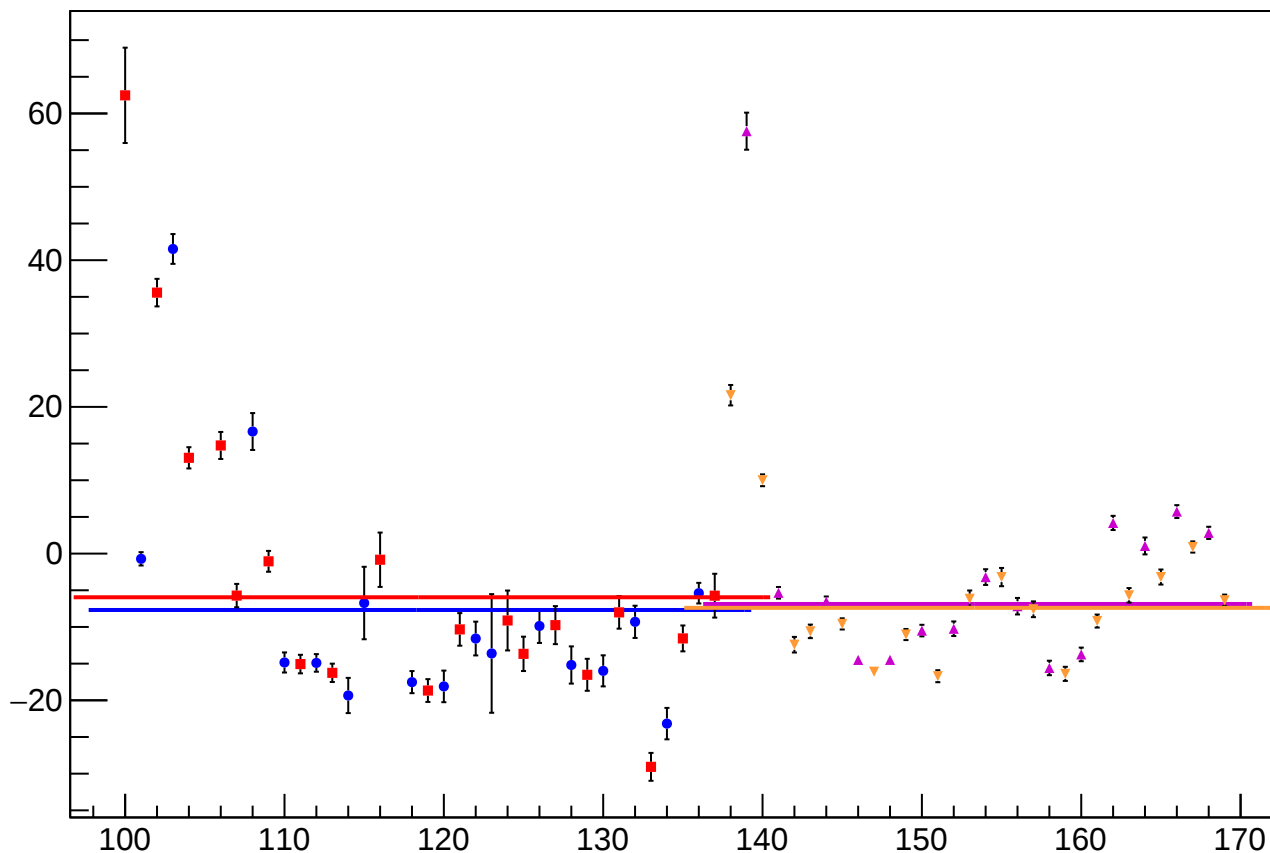
Left In: -26.590+/-0.311 χ^2/NDF : 2805.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -26.727+/-0.216 χ^2/NDF : 5489.8/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -7.395 ± 0.215 χ^2/NDF : 1529.9/16

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

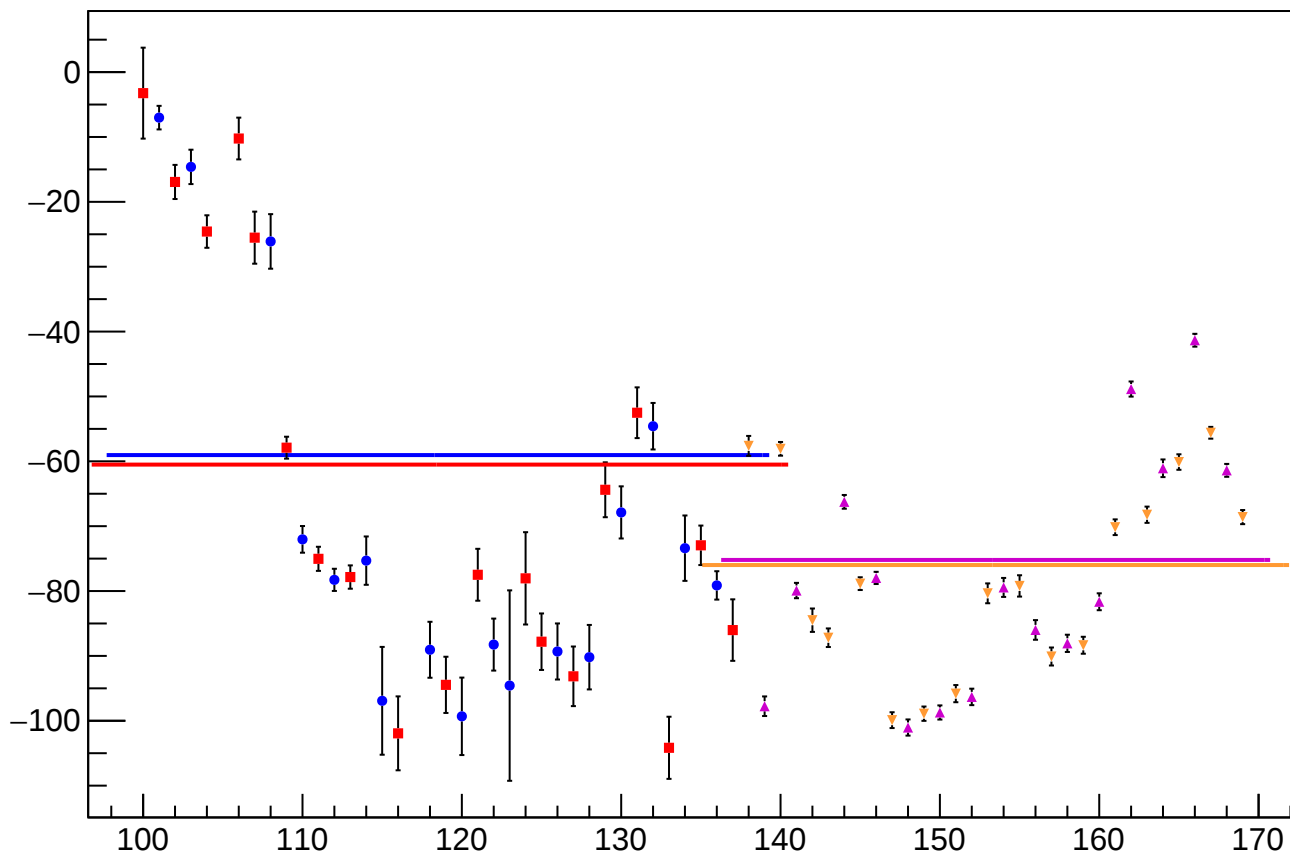
Left In: -6.869 ± 0.225 χ^2/NDF : 1643.0/14

+ sign -7.453 ± 0.192 χ^2/NDF : 2506.2/33

All: -7.076 ± 0.138 χ^2/NDF : 5458.8/67

- sign -6.671 ± 0.199 χ^2/NDF : 2944.7/33

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -75.992 ± 0.299 χ^2/NDF : 2556.6/16

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

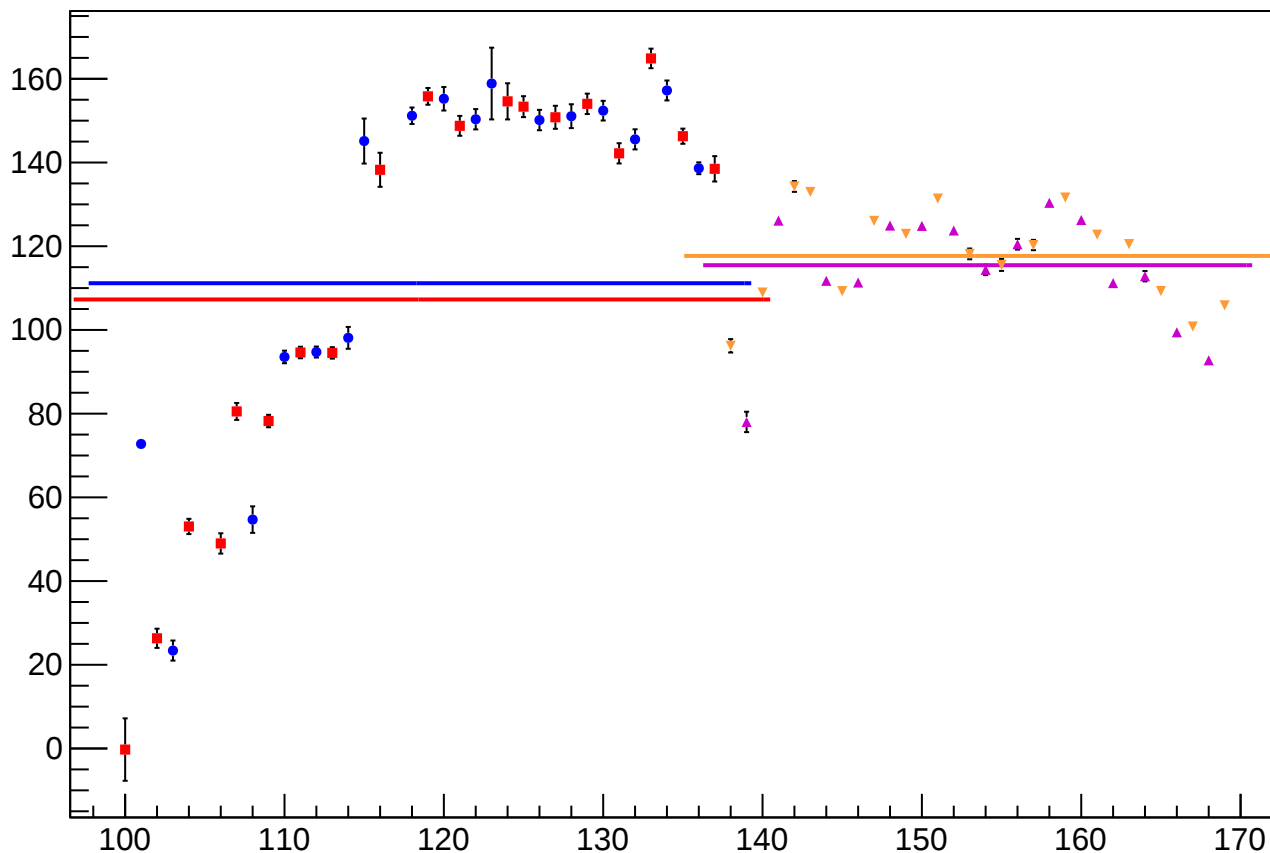
Left In: -75.205 ± 0.306 χ^2/NDF : 3652.2/14

+ sign -73.645 ± 0.277 χ^2/NDF : 4711.5/33

All: -73.260 ± 0.197 χ^2/NDF : 10118.5/67

- sign -72.866 ± 0.281 χ^2/NDF : 5403.1/33

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 117.689 $\pm$ 0.250 χ^2 /NDF:1889.3/16

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

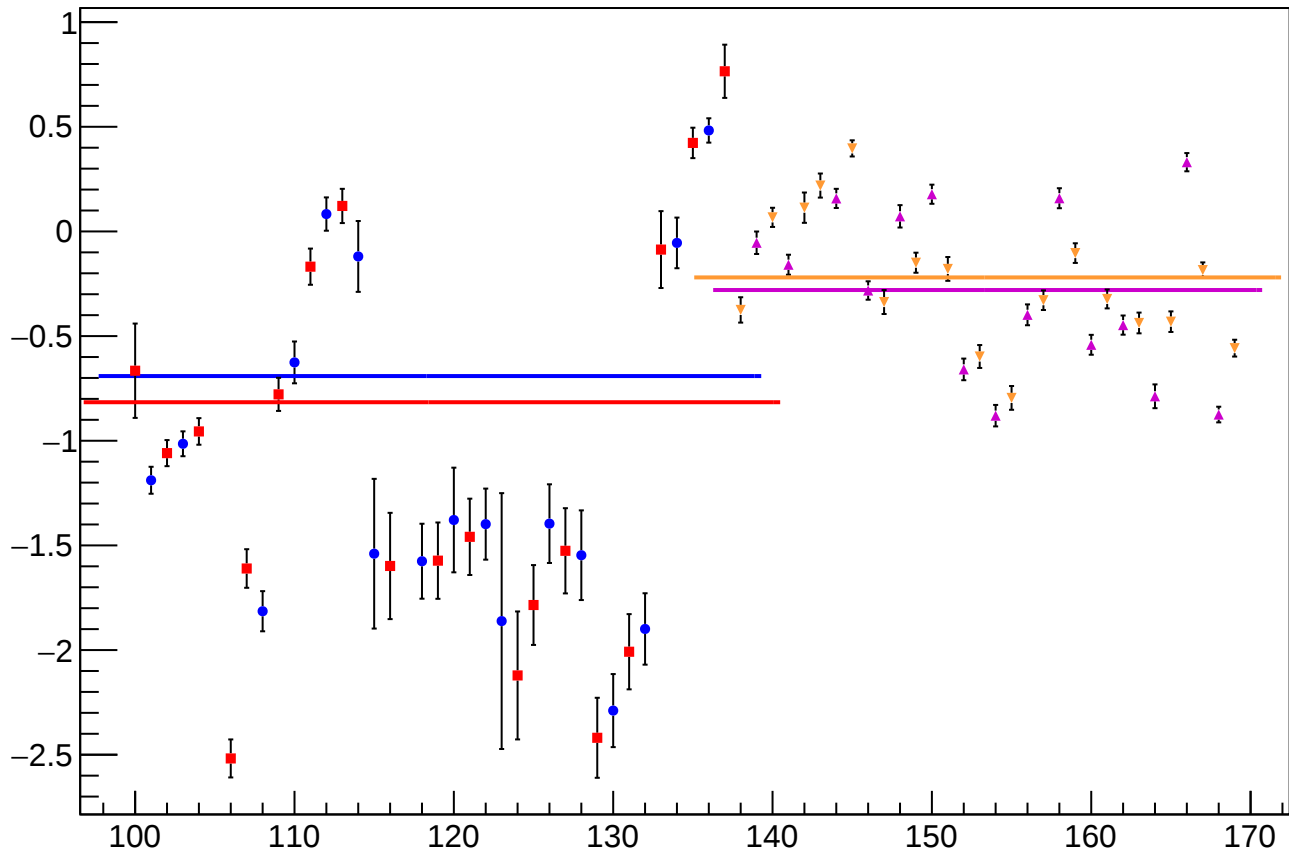
Left In: 115.467 $\pm$ 0.262 χ^2 /NDF:1878.2/14

+ sign 116.334 $\pm$ 0.223 χ^2 /NDF: 7908.2/33

All: 115.032 $\pm$ 0.160 χ^2 /NDF: 17130.8/67

- sign 113.632 $\pm$ 0.231 χ^2 /NDF: 9151.7/33

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.220 ± 0.012 χ^2/NDF : 663.5/16

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

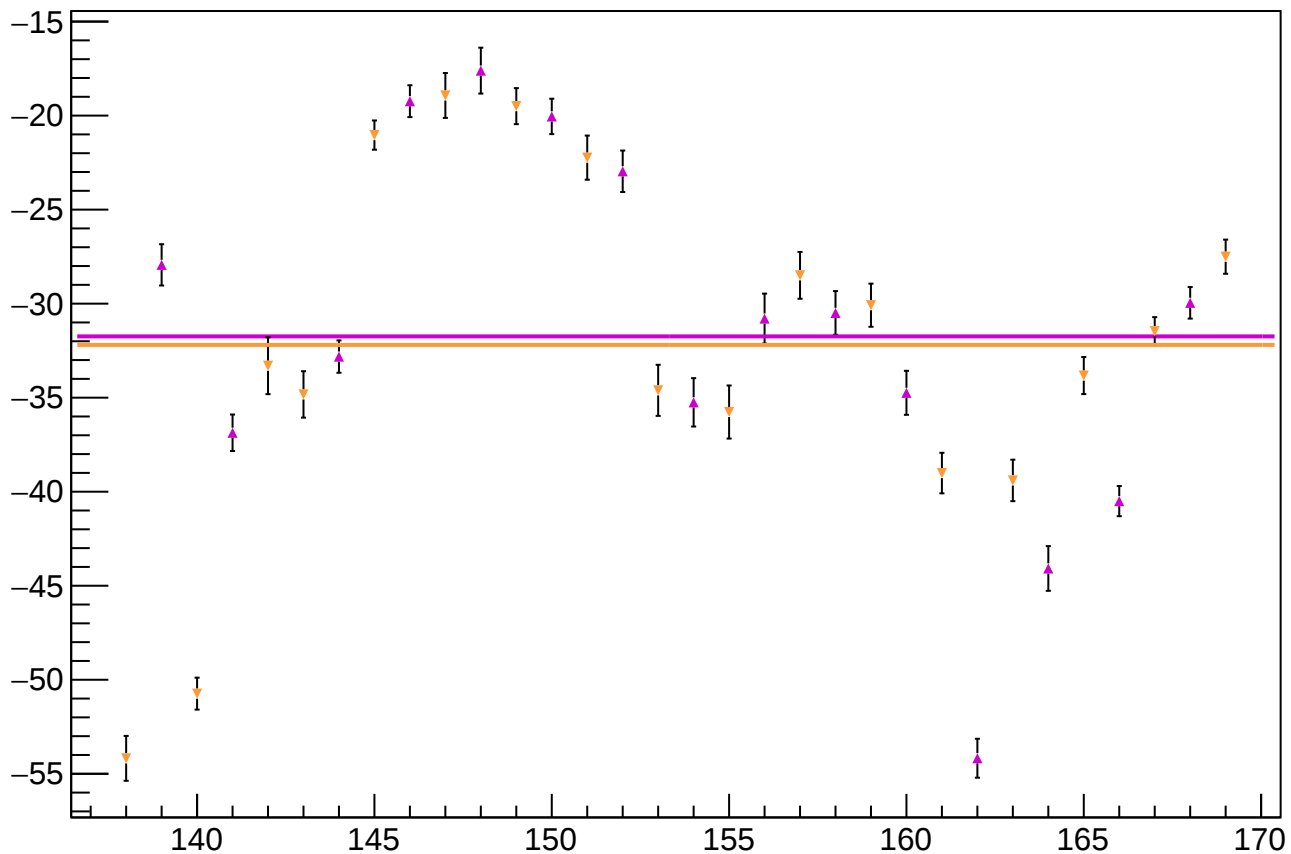
Left In: -0.280 ± 0.012 χ^2/NDF : 1113.1/14

+ sign -0.301 ± 0.011 χ^2/NDF : 1930.1/33

All: -0.344 ± 0.008 χ^2/NDF : 4766.3/67

- sign -0.388 ± 0.011 χ^2/NDF : 2804.1/33

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.194+/-0.254 χ^2/NDF : 1532.8/16

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

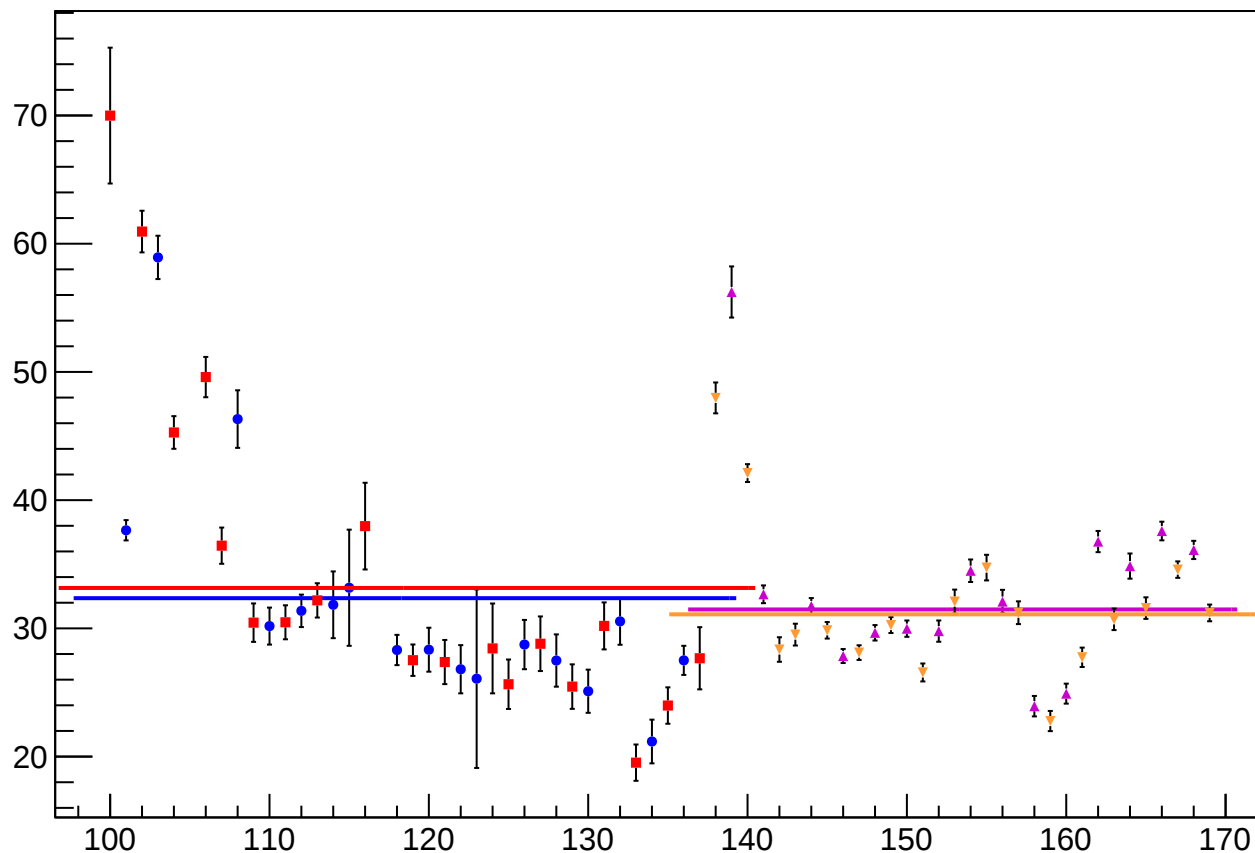
Left In: -31.741+/-0.262 χ^2/NDF : 1328.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.975+/-0.182 χ^2/NDF : 2863.1/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 31.095 ± 0.183 $\chi^2/\text{NDF}: 708.6/16$

Right Out: 33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

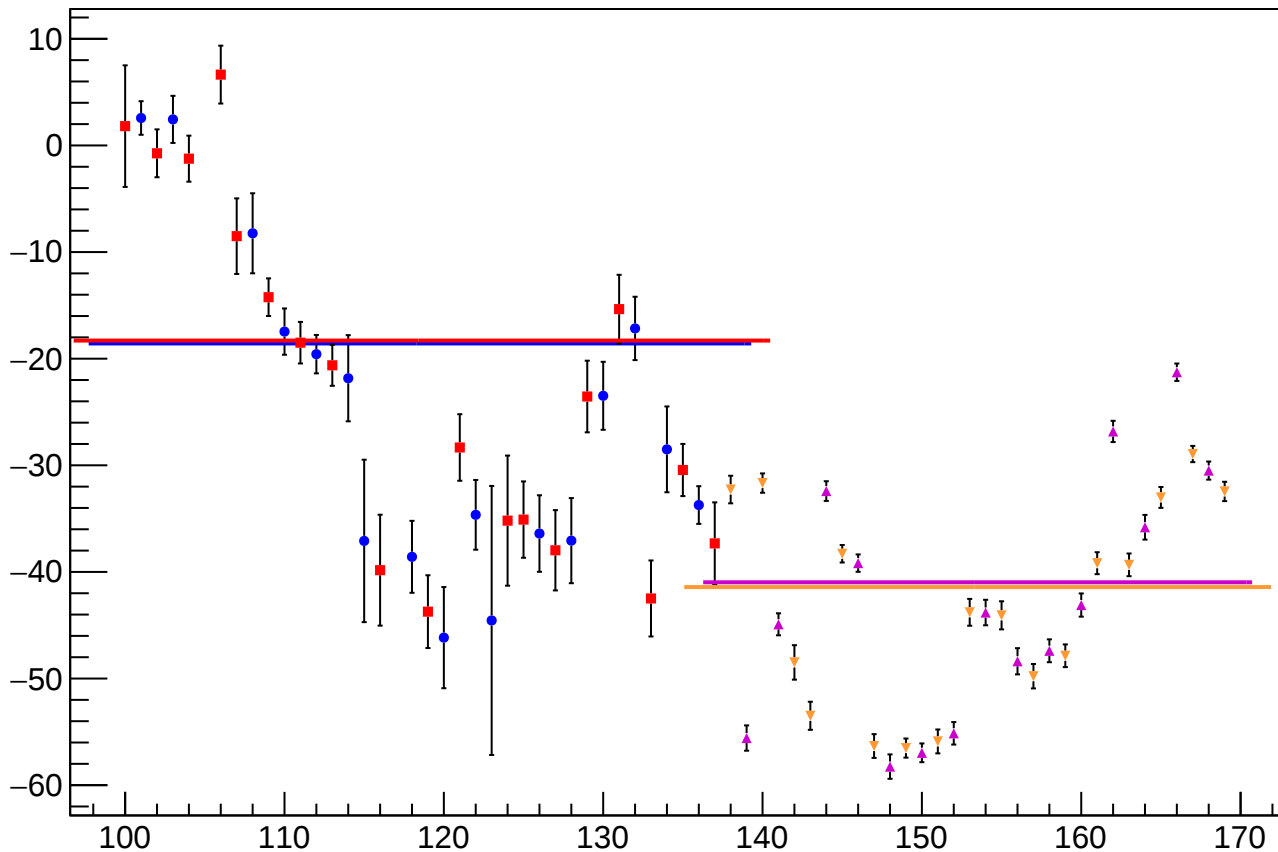
Left In: 31.477 ± 0.192 $\chi^2/\text{NDF}: 559.6/14$

+ sign 31.338 ± 0.165 $\chi^2/\text{NDF}: 1168.2/33$

All: 31.569 ± 0.119 $\chi^2/\text{NDF}: 2519.4/67$

- sign 31.820 ± 0.171 $\chi^2/\text{NDF}: 1347.2/33$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -41.421 ± 0.252 χ^2/NDF : 1459.3/16

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

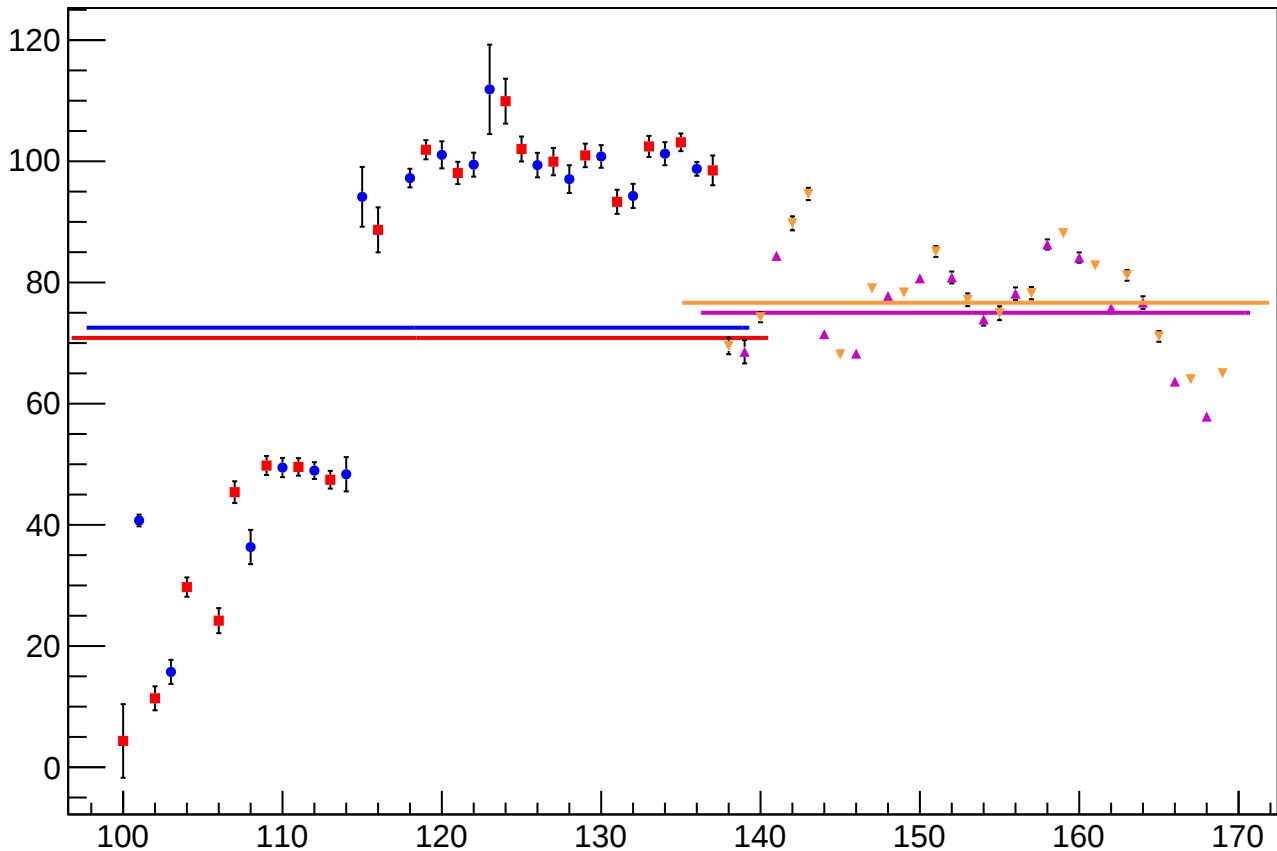
Left In: -40.974 ± 0.258 χ^2/NDF : 2033.2/14

+ sign -38.574 ± 0.236 χ^2/NDF : 2996.6/33

All: -38.209 ± 0.168 χ^2/NDF : 6576.4/67

- sign -37.832 ± 0.240 χ^2/NDF : 3575.0/33

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537 ± 0.428 $\chi^2/\text{NDF}: 4684.1/16$

Left Out: 76.656 ± 0.212 $\chi^2/\text{NDF}: 1607.8/16$

Right Out: 70.849 ± 0.433 $\chi^2/\text{NDF}: 5500.2/18$

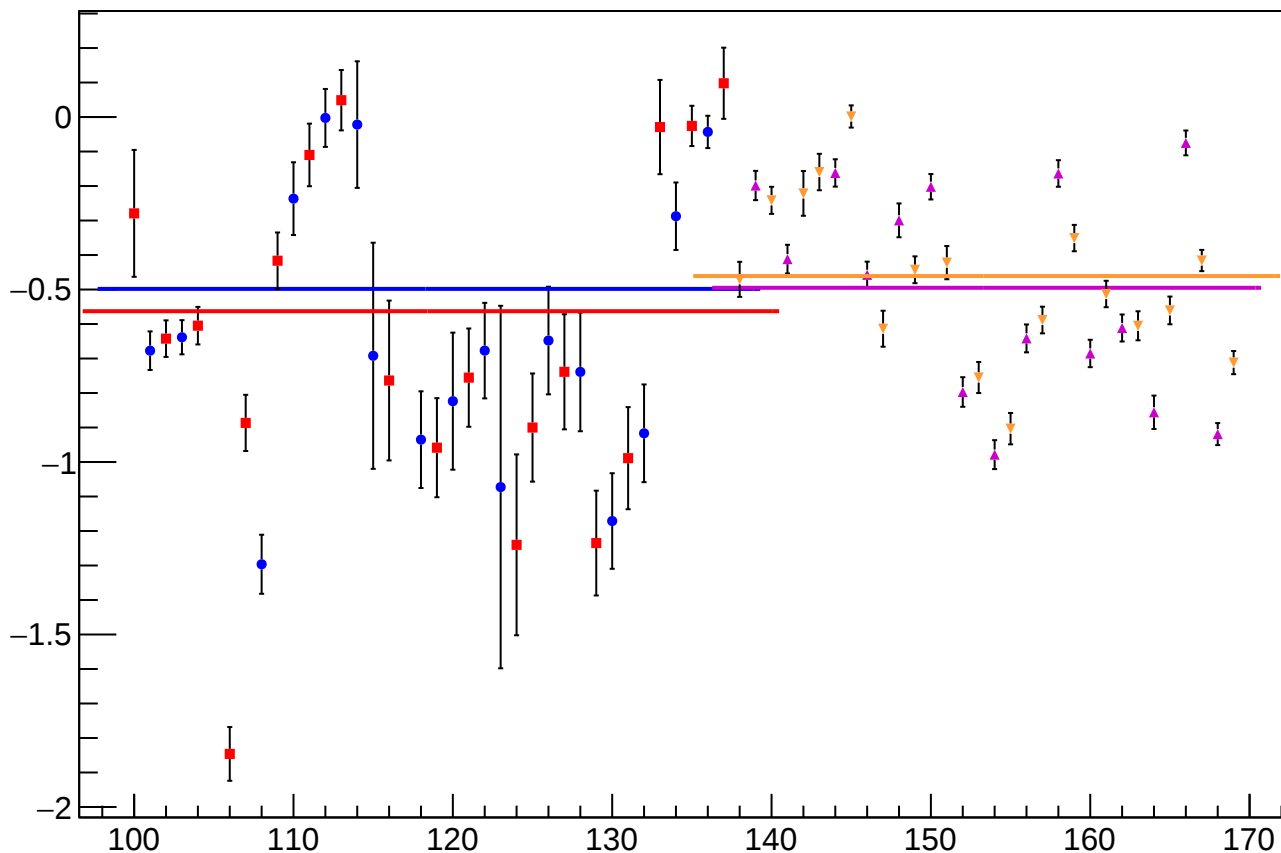
Left In: 75.006 ± 0.223 $\chi^2/\text{NDF}: 1320.8/14$

+ sign 75.845 ± 0.190 $\chi^2/\text{NDF}: 6366.2/33$

All: 75.026 ± 0.137 $\chi^2/\text{NDF}: 13298.8/67$

- sign 74.138 ± 0.198 $\chi^2/\text{NDF}: 6893.9/33$

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.461 ± 0.010 χ^2/NDF : 528.1/16

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

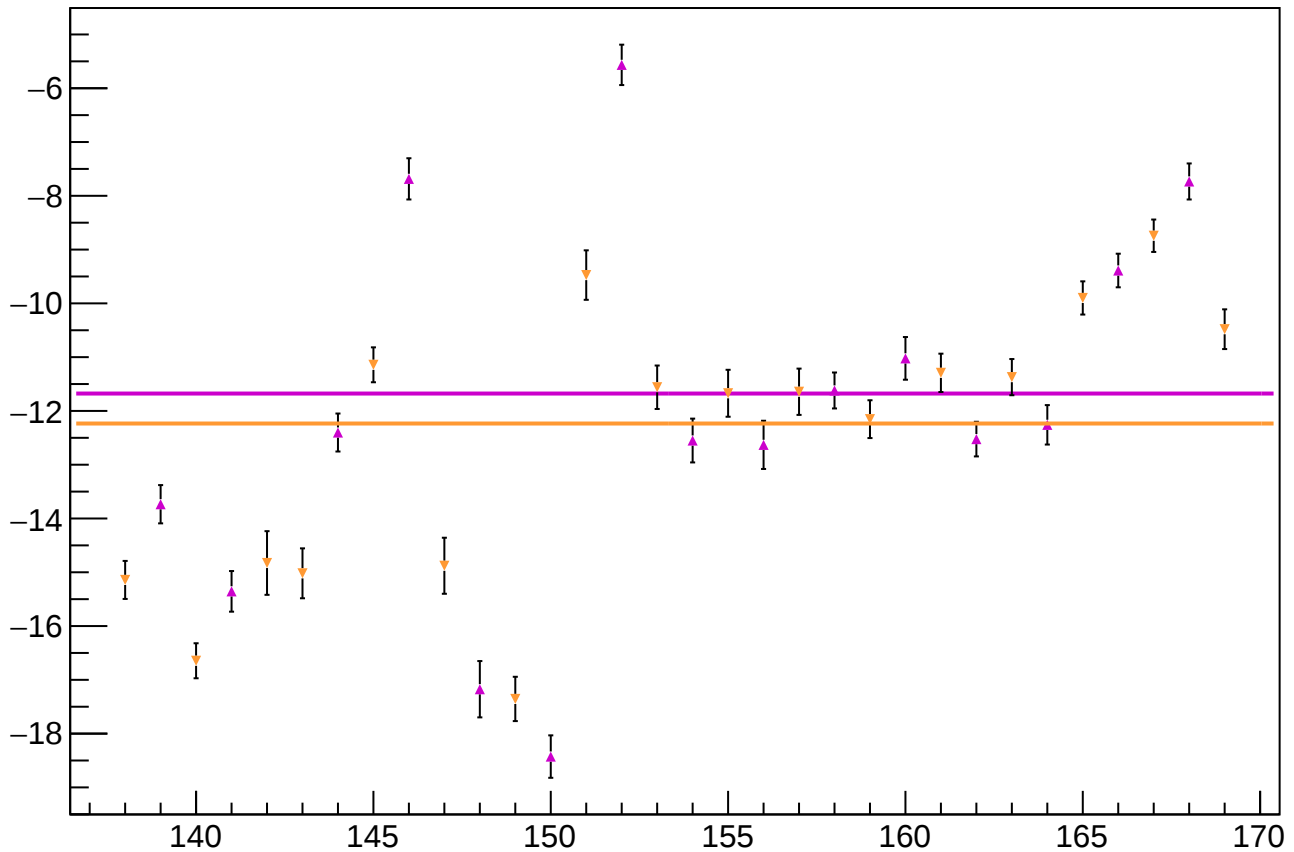
Left In: -0.495 ± 0.010 χ^2/NDF : 873.5/14

+ sign -0.467 ± 0.009 χ^2/NDF : 833.2/33

All: -0.487 ± 0.006 χ^2/NDF : 2285.5/67

- sign -0.508 ± 0.009 χ^2/NDF : 1442.4/33

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: -12.234+/-0.092 χ^2/NDF : 768.3/16

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

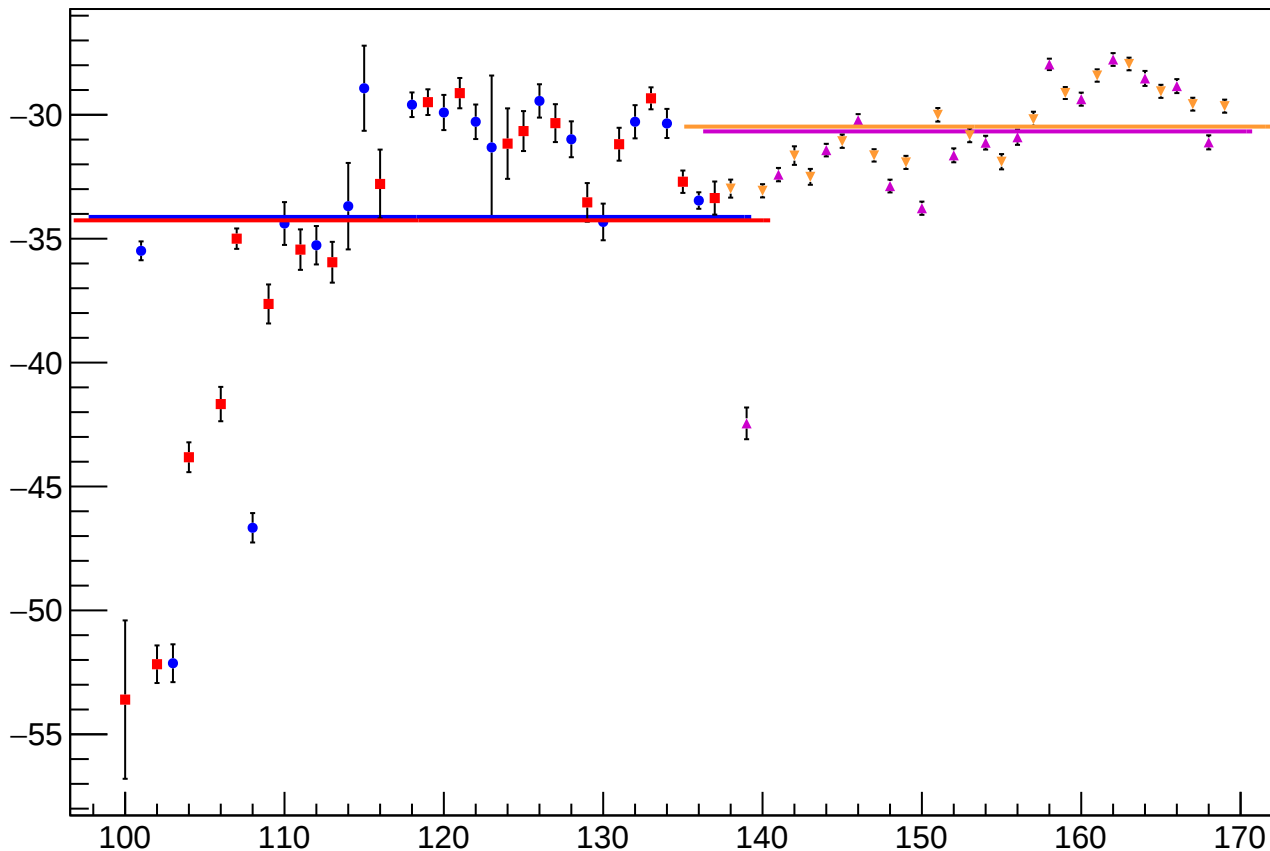
Left In: -11.677+/-0.096 χ^2/NDF : 1122.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.967+/-0.066 χ^2/NDF : 1908.2/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -30.476 ± 0.067 χ^2/NDF : 521.2/16

Right Out: -34.260 ± 0.151 χ^2/NDF : 1354.9/18

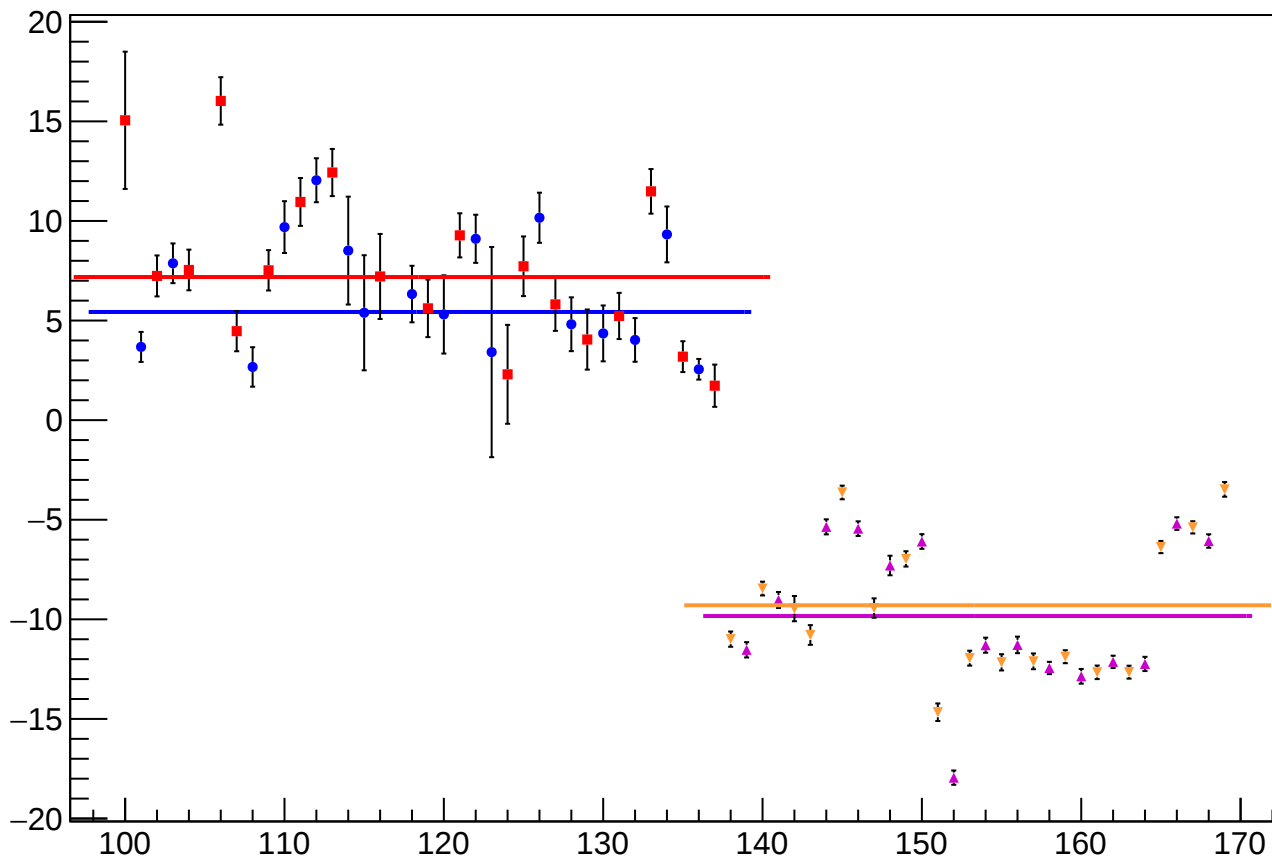
Left In: -30.671 ± 0.071 χ^2/NDF : 997.6/14

+ sign -31.073 ± 0.061 χ^2/NDF : 2325.9/33

All: -31.193 ± 0.044 χ^2/NDF : 5149.4/67

- sign -31.325 ± 0.064 χ^2/NDF : 2815.4/33

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 $\pm$ 0.270 χ^2 /NDF: 132.0/16

Left Out: -9.294 $\pm$ 0.091 χ^2 /NDF:1410.6/16

Right Out: 7.185 $\pm$ 0.274 χ^2 /NDF: 182.1/18

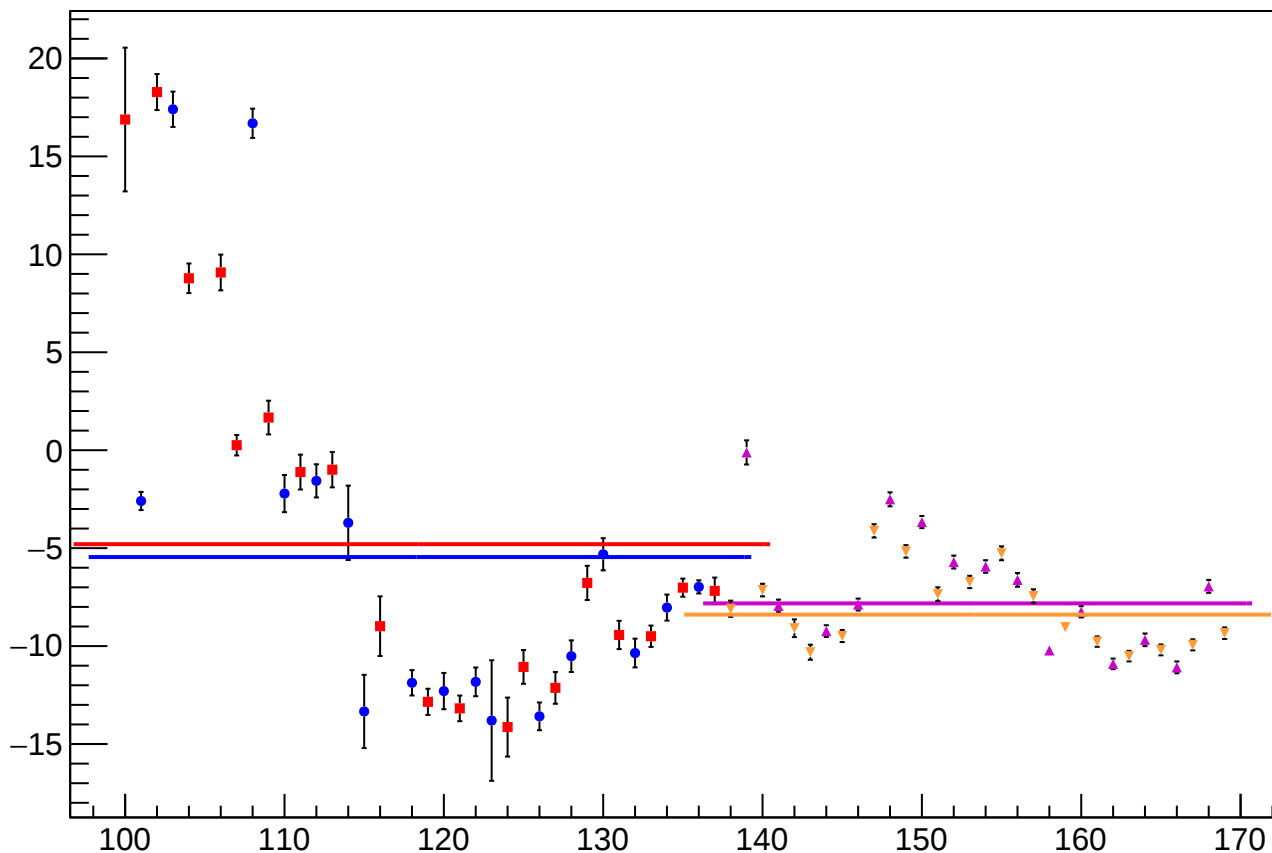
Left In: -9.834 $\pm$ 0.094 χ^2 /NDF:1548.6/14

+ sign -7.808 $\pm$ 0.086 χ^2 /NDF: 4208.9/33

All: -7.929 $\pm$ 0.062 χ^2 /NDF: 9388.0/67

- sign -8.058 $\pm$ 0.089 χ^2 /NDF: 5175.0/33

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -8.393 ± 0.077 χ^2/NDF : 611.6/16

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

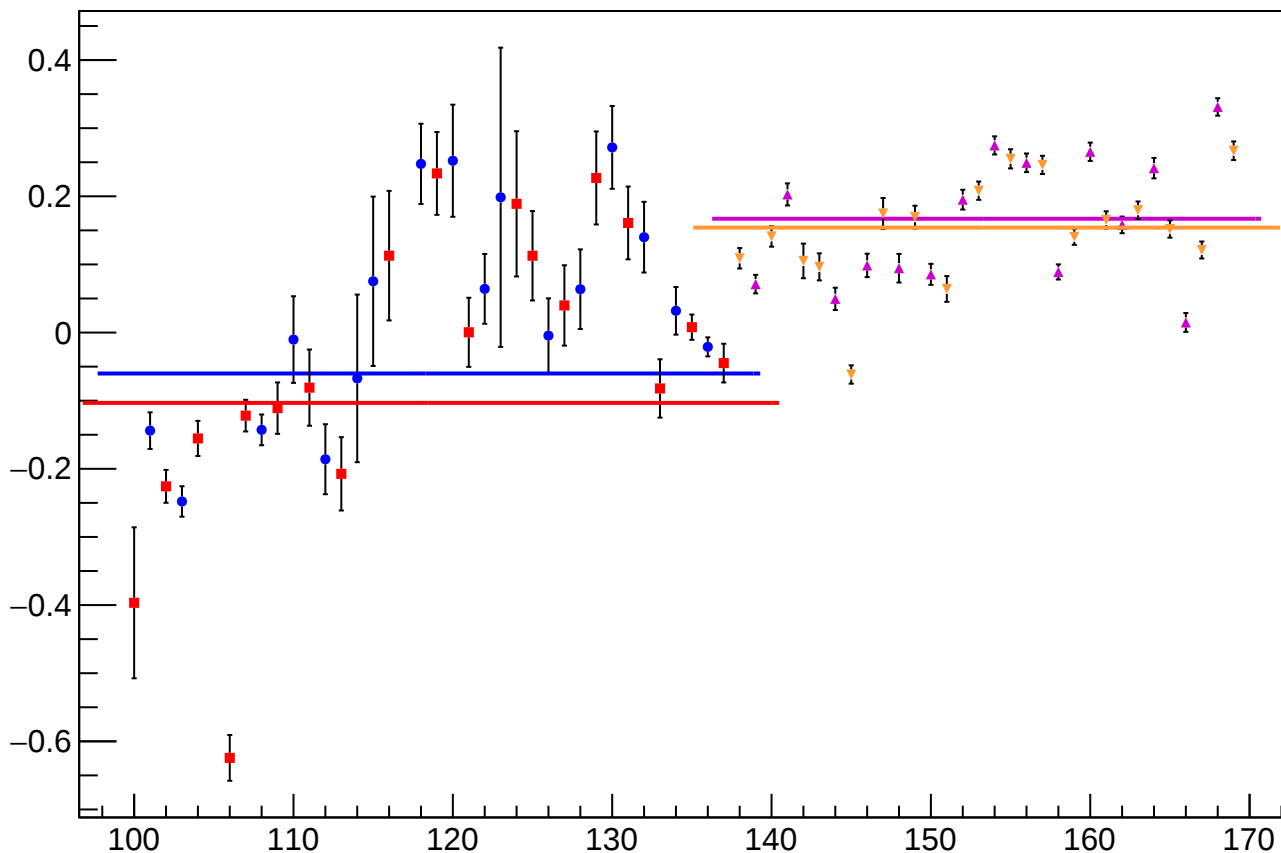
Left In: -7.820 ± 0.081 χ^2/NDF : 1055.4/14

+ sign -7.901 ± 0.070 χ^2/NDF : 2954.3/33

All: -7.603 ± 0.051 χ^2/NDF : 6345.5/67

- sign -7.275 ± 0.073 χ^2/NDF : 3353.1/33

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 $\chi^2/\text{NDF}: 215.5/16$

Left Out: 0.154 ± 0.004 $\chi^2/\text{NDF}: 499.9/16$

Right Out: -0.103 ± 0.008 $\chi^2/\text{NDF}: 434.3/18$

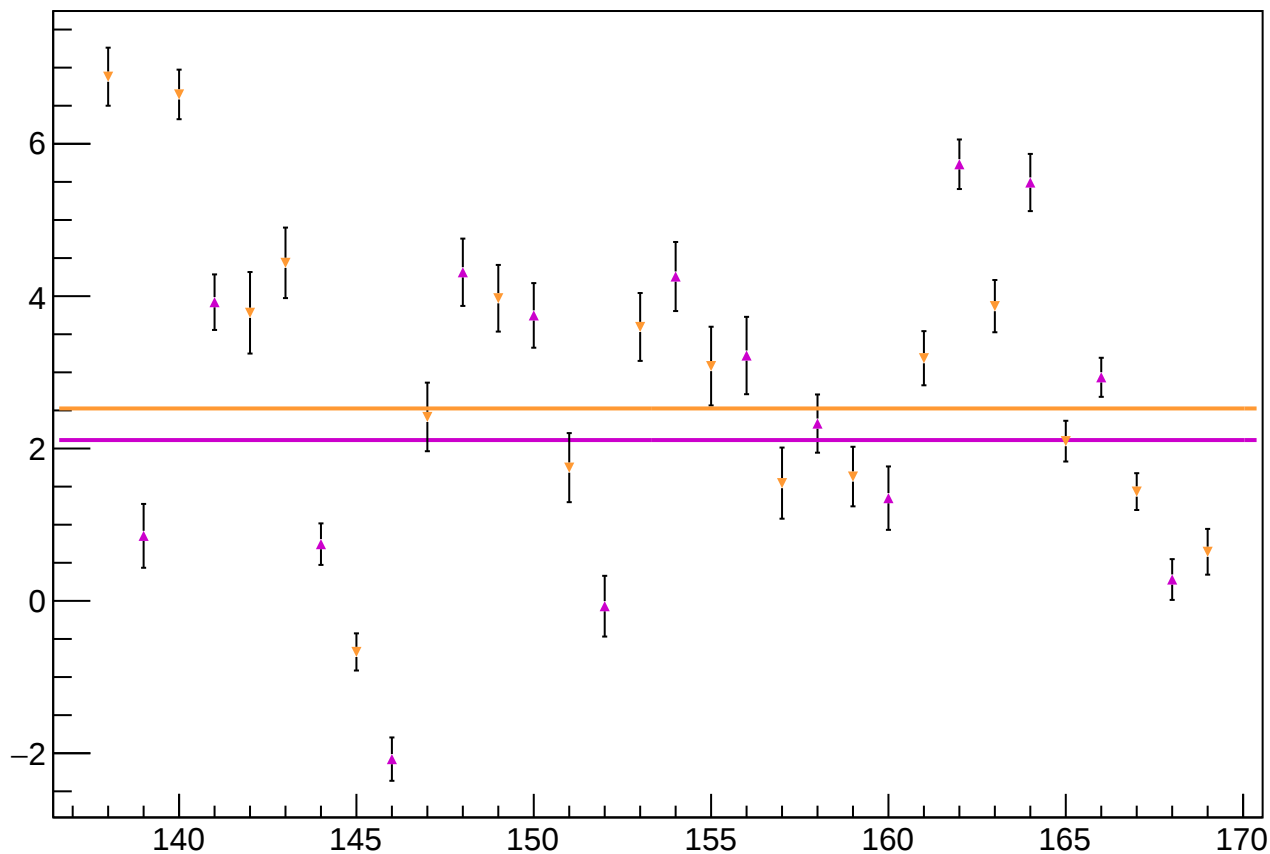
Left In: 0.167 ± 0.004 $\chi^2/\text{NDF}: 680.7/14$

+ sign 0.122 ± 0.003 $\chi^2/\text{NDF}: 1268.0/33$

All: 0.123 ± 0.002 $\chi^2/\text{NDF}: 3246.9/67$

- sign 0.124 ± 0.003 $\chi^2/\text{NDF}: 1978.7/33$

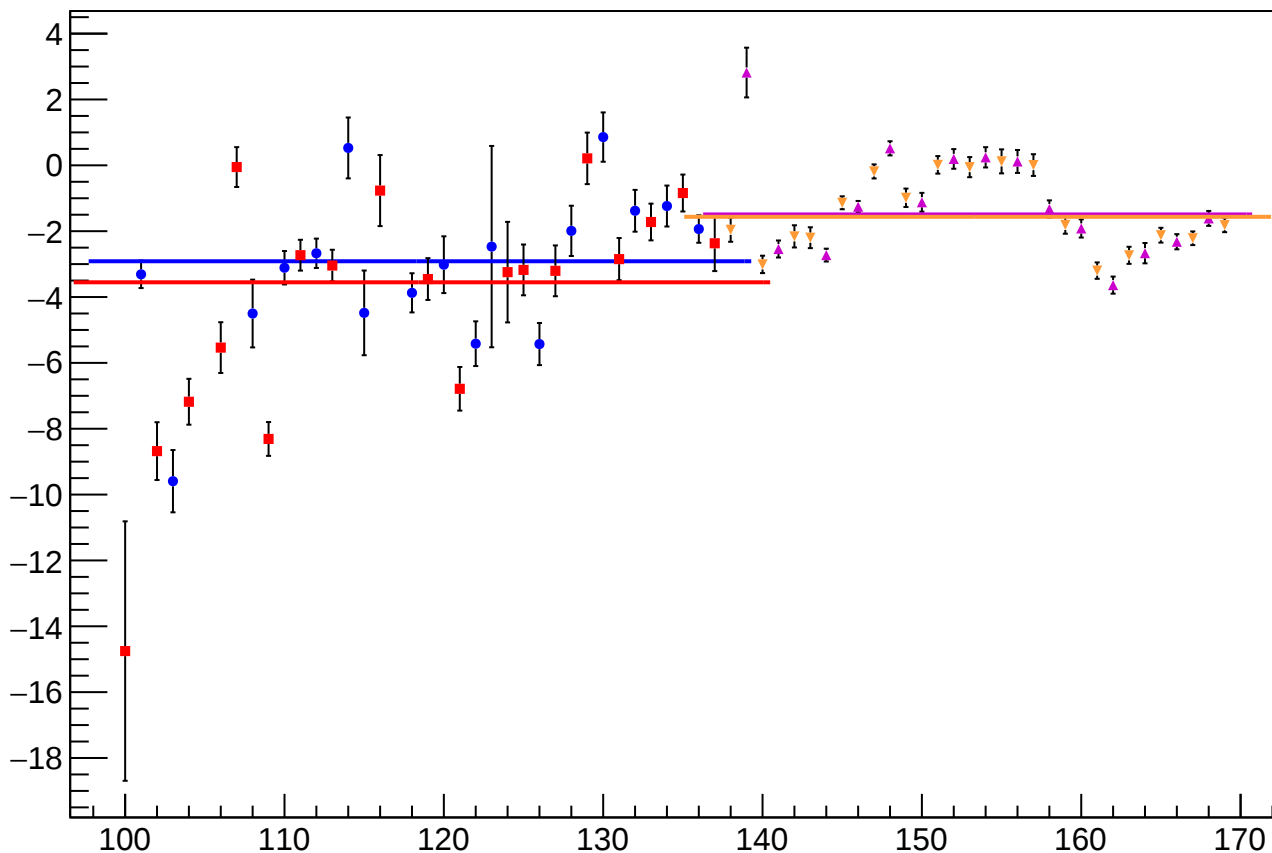
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.526+/-0.086 χ^2/NDF : 597.0/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.111+/-0.090 χ^2/NDF : 638.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 2.328+/-0.062 χ^2/NDF : 1246.3/31
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.564 ± 0.063 χ^2/NDF : 274.0/16

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

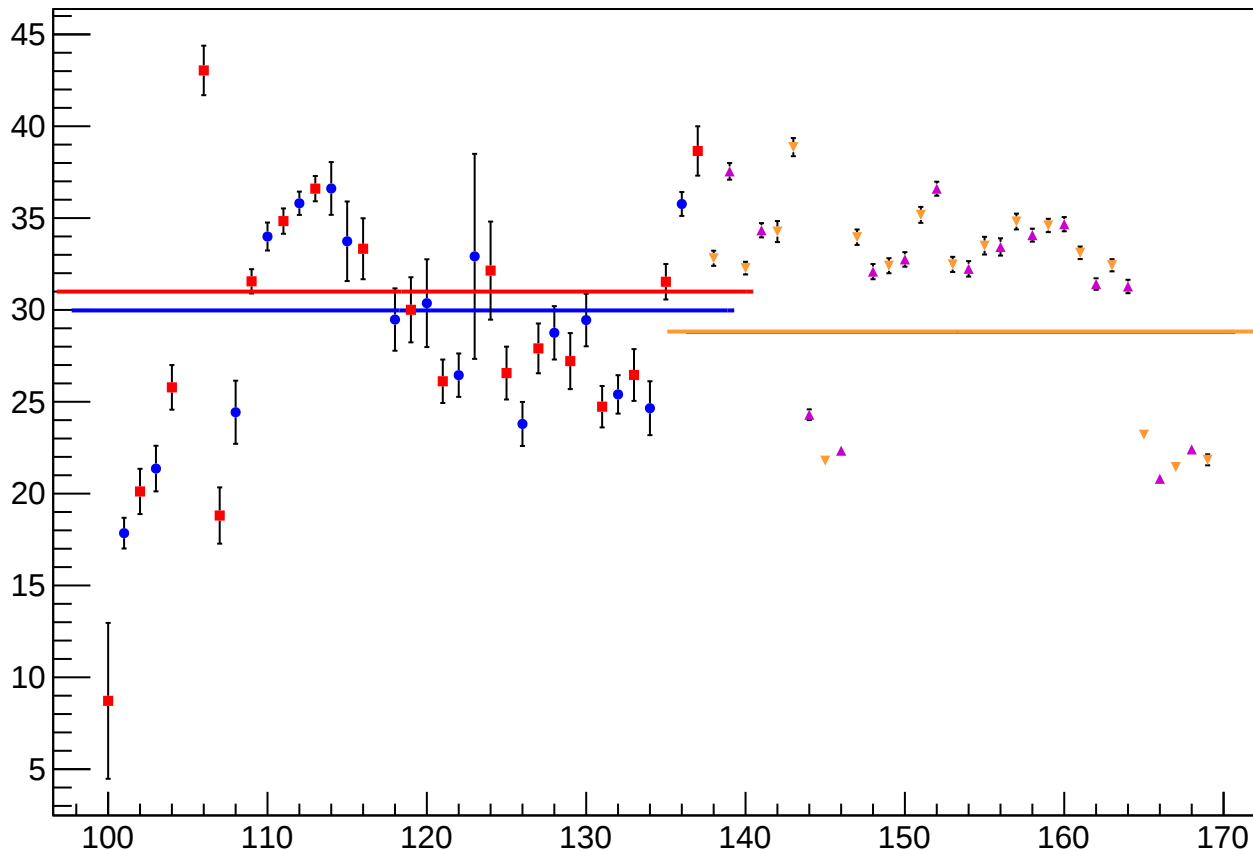
Left In: -1.492 ± 0.066 χ^2/NDF : 363.8/14

+ sign -1.755 ± 0.058 χ^2/NDF : 485.3/33

All: -1.780 ± 0.042 χ^2/NDF : 1290.9/67

- sign -1.807 ± 0.061 χ^2/NDF : 805.2/33

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 28.823 ± 0.086 $\chi^2/\text{NDF}: 4644.7/16$

Right Out: 30.999 ± 0.260 $\chi^2/\text{NDF}: 479.5/18$

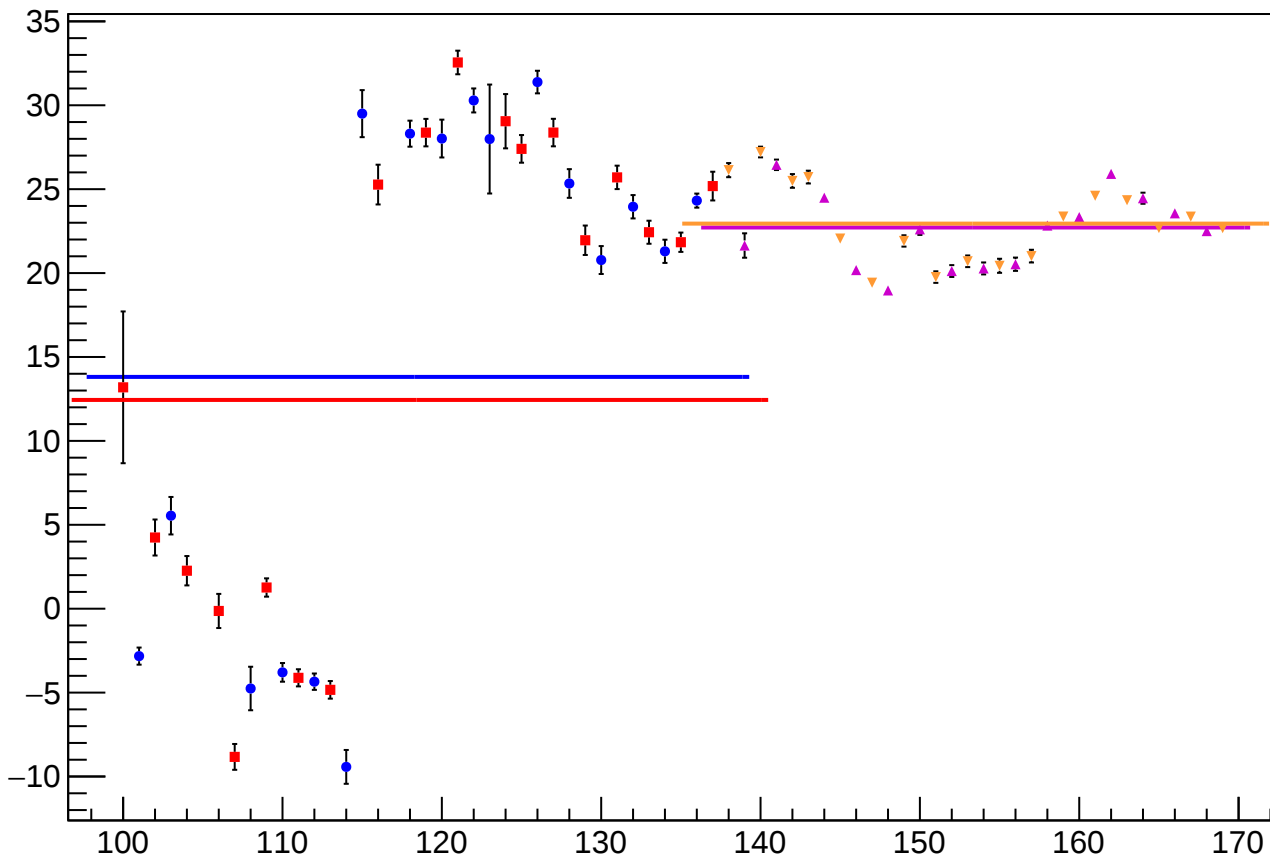
Left In: 28.799 ± 0.089 $\chi^2/\text{NDF}: 4183.6/14$

+ sign 28.931 ± 0.082 $\chi^2/\text{NDF}: 5215.8/33$

All: 28.978 ± 0.059 $\chi^2/\text{NDF}: 9943.6/67$

- sign 29.029 ± 0.084 $\chi^2/\text{NDF}: 4727.1/33$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 22.948 $\pm$ 0.072 χ^2 /NDF: 757.0/16

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

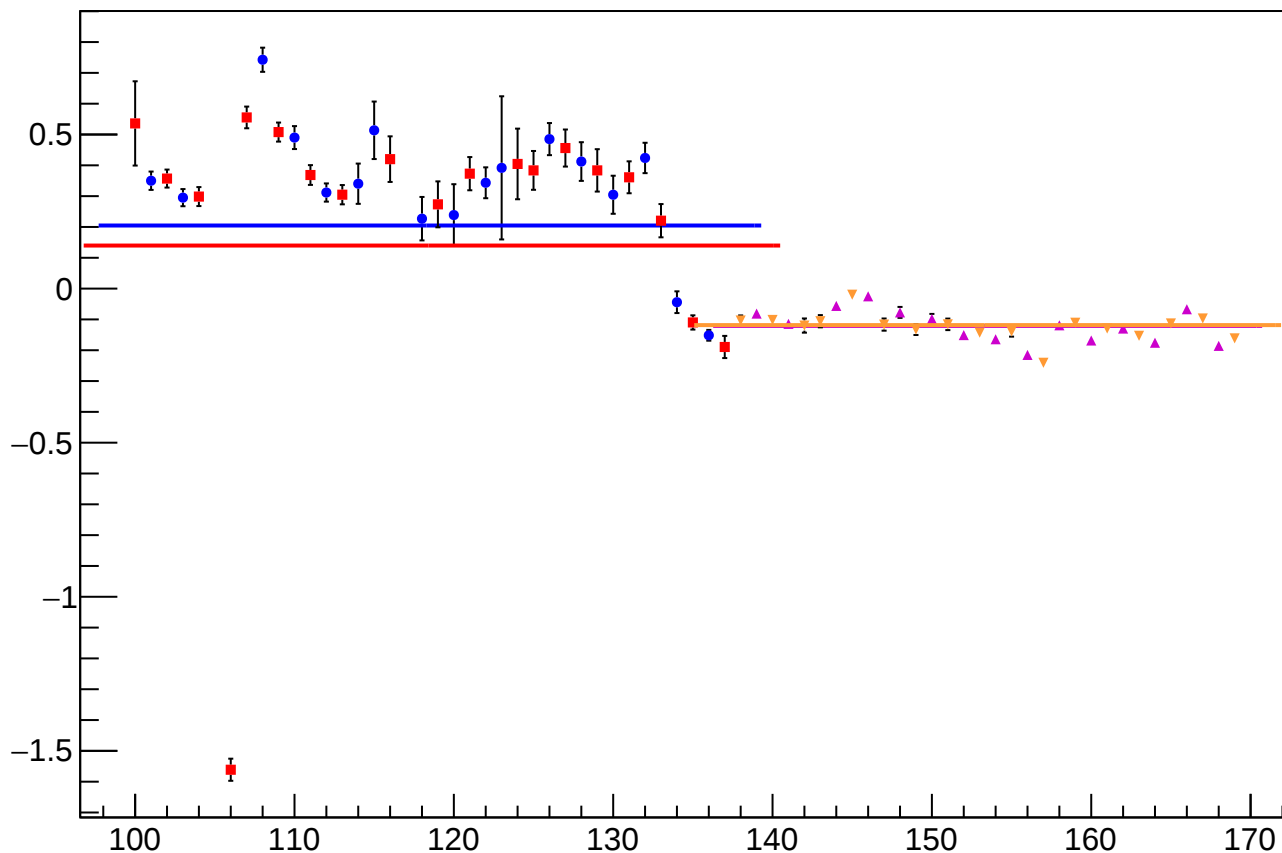
Left In: 22.716 $\pm$ 0.076 χ^2 /NDF: 809.8/14

+ sign 21.589 $\pm$ 0.067 χ^2 /NDF: 10458.0/33

All: 21.336 $\pm$ 0.048 χ^2 /NDF: 21202.2/67

- sign 21.057 $\pm$ 0.070 χ^2 /NDF: 10713.6/33

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.118 ± 0.003 χ^2/NDF : 200.6/16

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

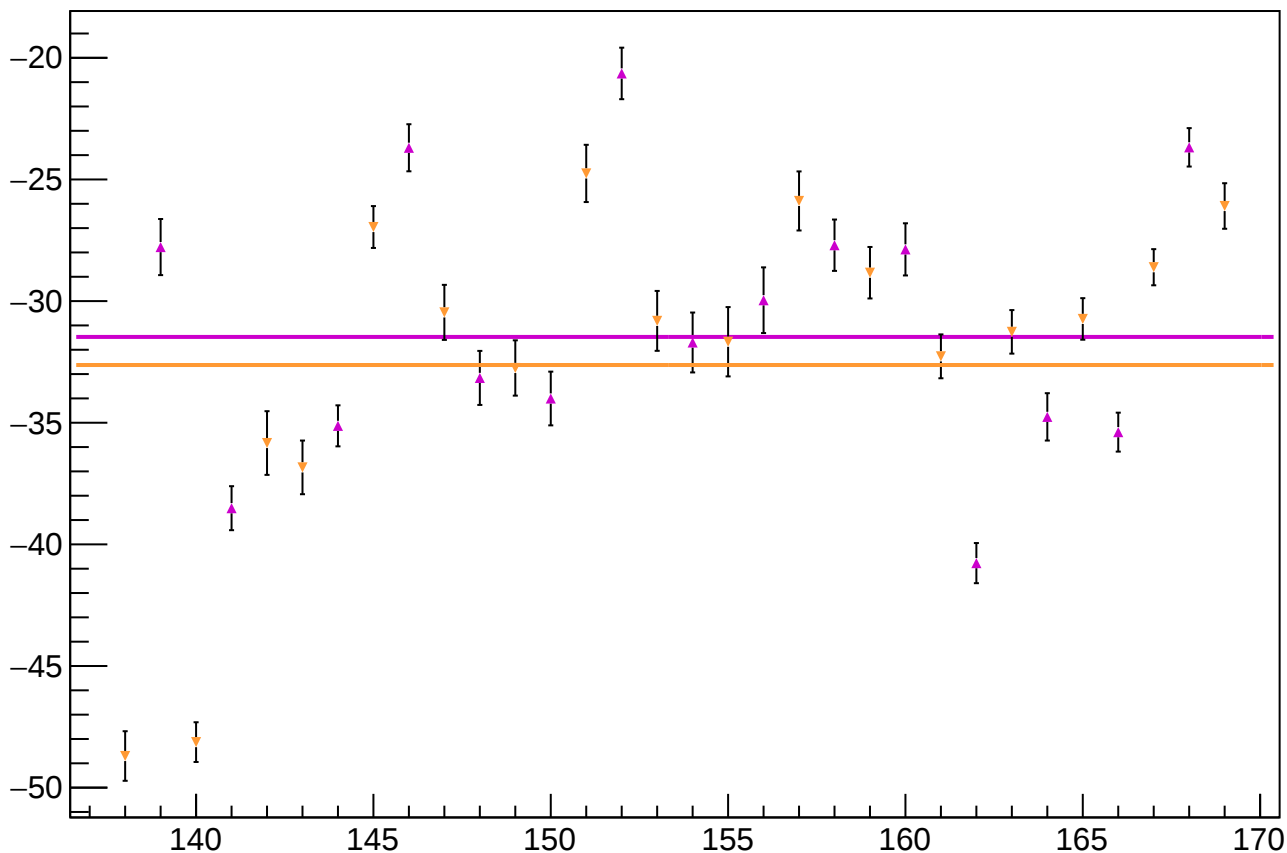
Left In: -0.121 ± 0.004 χ^2/NDF : 234.5/14

+ sign -0.082 ± 0.003 χ^2/NDF : 2099.5/33

All: -0.084 ± 0.002 χ^2/NDF : 6048.7/67

- sign -0.088 ± 0.003 χ^2/NDF : 3947.5/33

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.627 $\pm$ 0.242 χ^2 /NDF:853.3/16

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

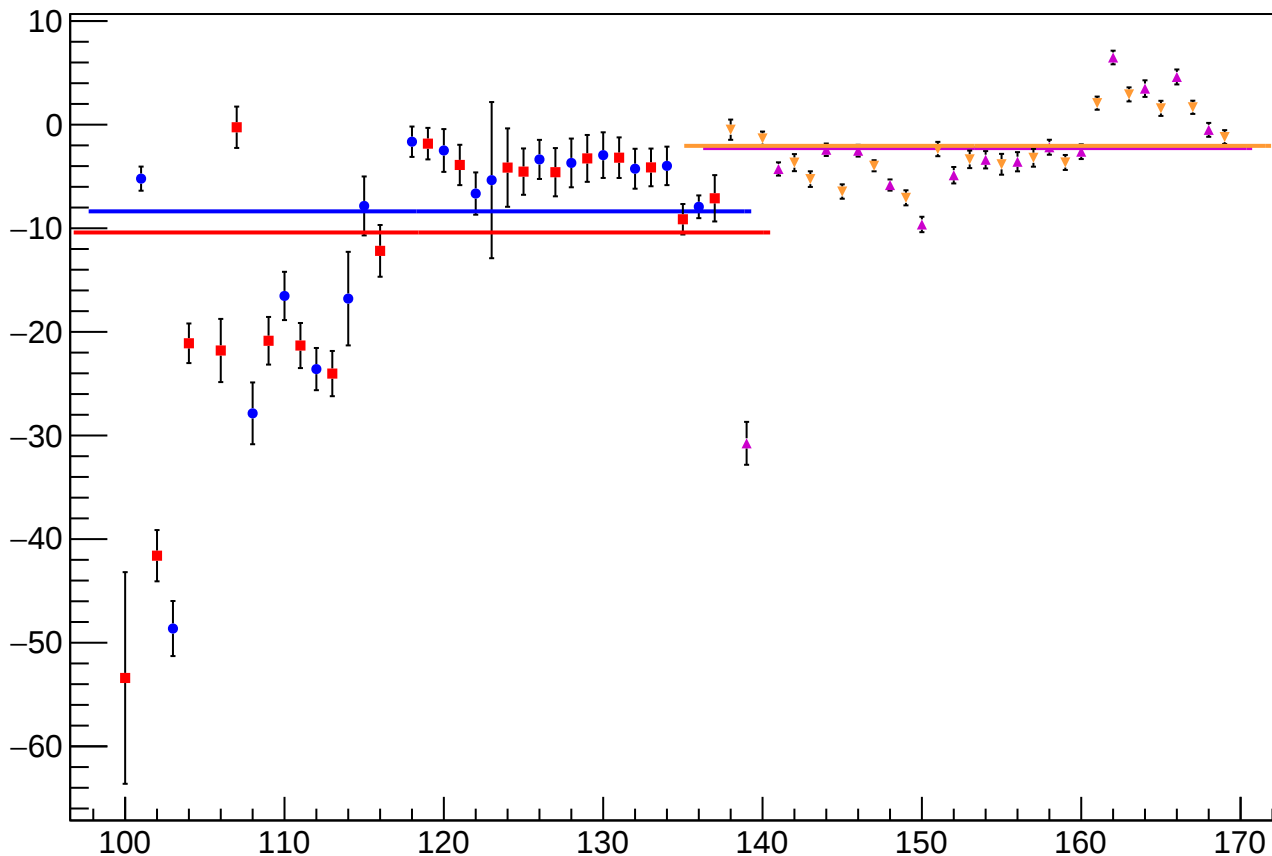
Left In: -31.473 $\pm$ 0.253 χ^2 /NDF:551.4/14

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

All: -32.074 $\pm$ 0.175 χ^2 /NDF: 1415.5/31

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

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -2.045 ± 0.174 χ^2/NDF : 294.9/16

Right Out: -10.405 ± 0.491 χ^2/NDF : 430.3/18

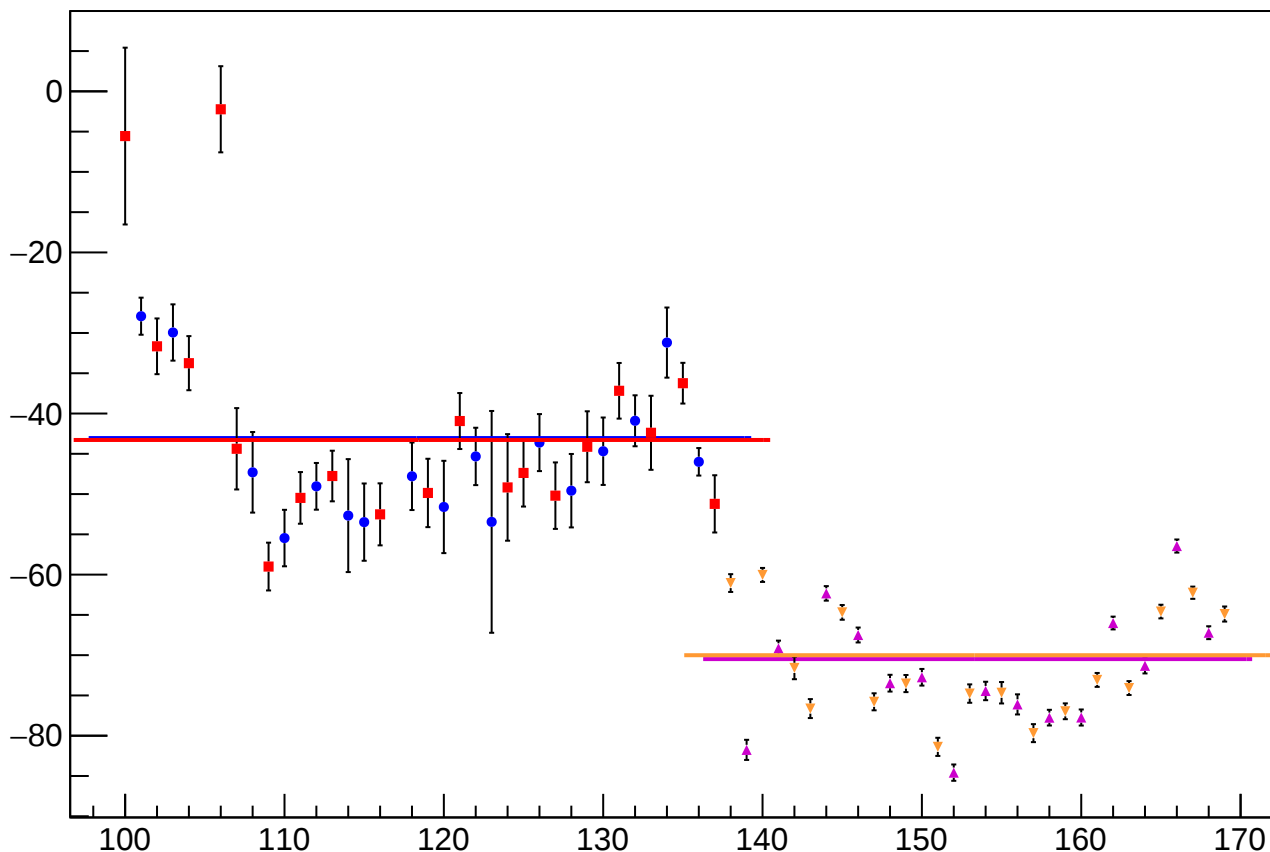
Left In: -2.262 ± 0.183 χ^2/NDF : 680.9/14

+ sign -2.819 ± 0.163 χ^2/NDF : 865.2/33

All: -3.026 ± 0.118 χ^2/NDF : 2221.3/67

- sign -3.255 ± 0.171 χ^2/NDF : 1352.7/33

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 χ^2/NDF : 99.0/16

Left Out: -70.006 ± 0.241 χ^2/NDF : 771.5/16

Right Out: -43.282 ± 0.867 χ^2/NDF : 154.4/18

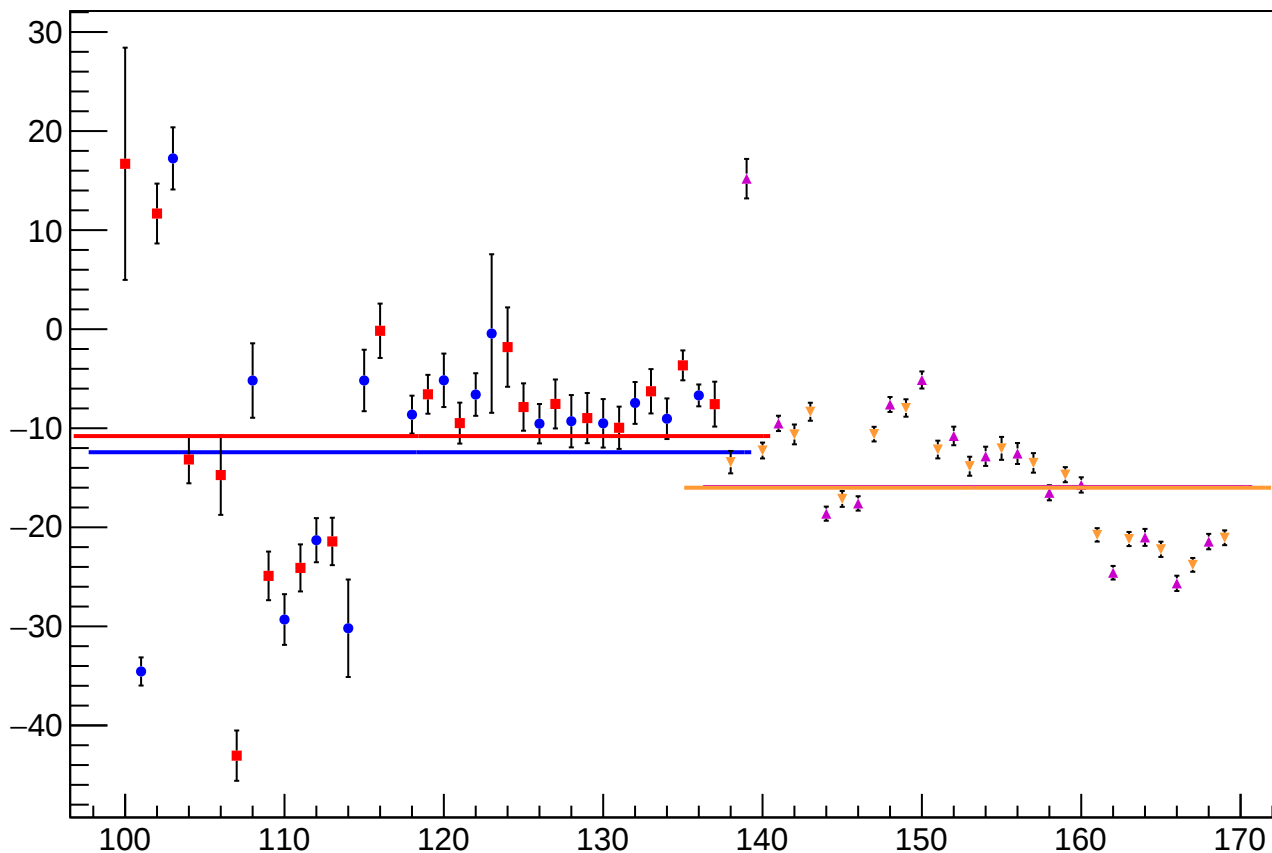
Left In: -70.487 ± 0.249 χ^2/NDF : 869.4/14

+ sign -67.947 ± 0.231 χ^2/NDF : 1828.0/33

All: -68.176 ± 0.166 χ^2/NDF : 3763.2/67

- sign -68.421 ± 0.239 χ^2/NDF : 1933.2/33

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -16.001 ± 0.201 χ^2/NDF : 648.6/16

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

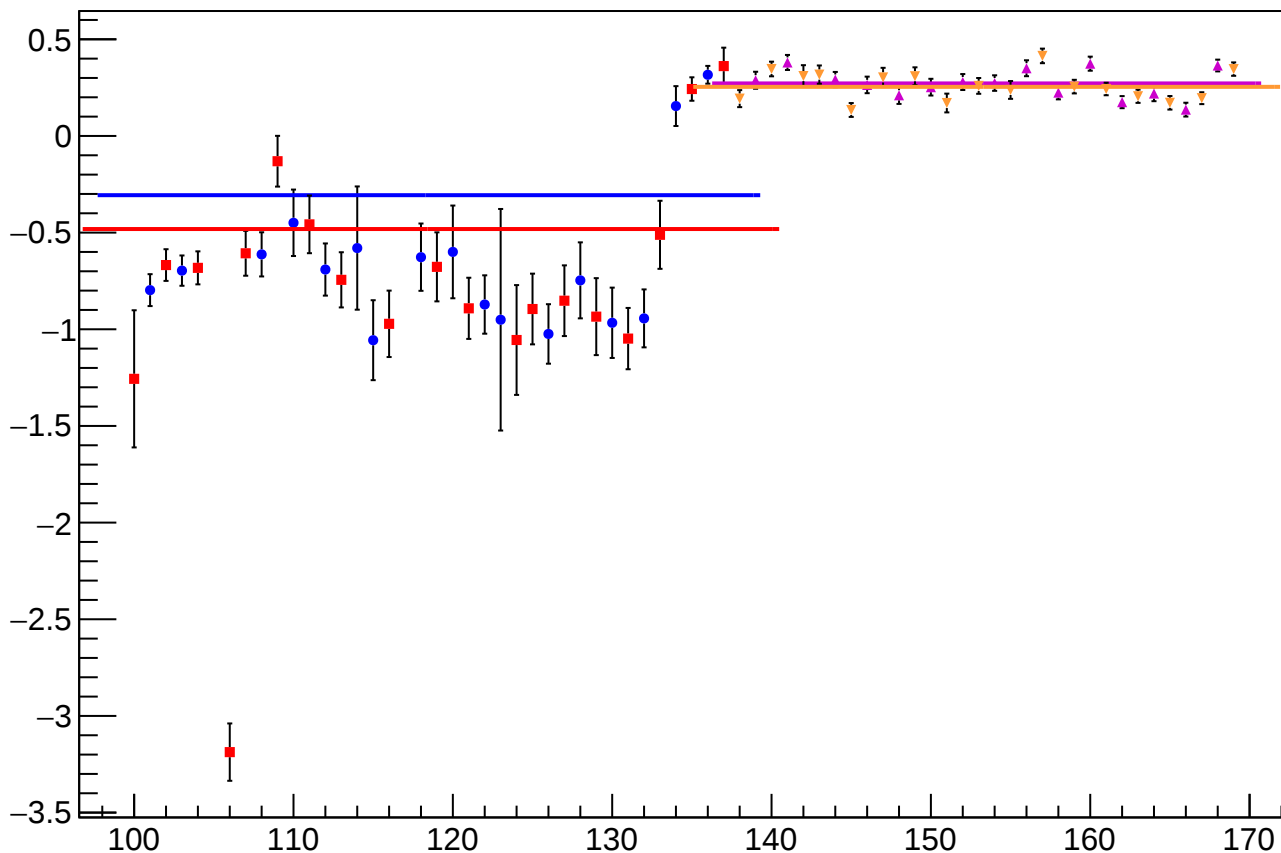
Left In: -15.927 ± 0.212 χ^2/NDF : 1064.6/14

+ sign -15.540 ± 0.188 χ^2/NDF : 1163.8/33

All: -15.412 ± 0.136 χ^2/NDF : 2670.2/67

- sign -15.269 ± 0.198 χ^2/NDF : 1505.4/33

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: 0.254 ± 0.009 χ^2/NDF : 63.6/16

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

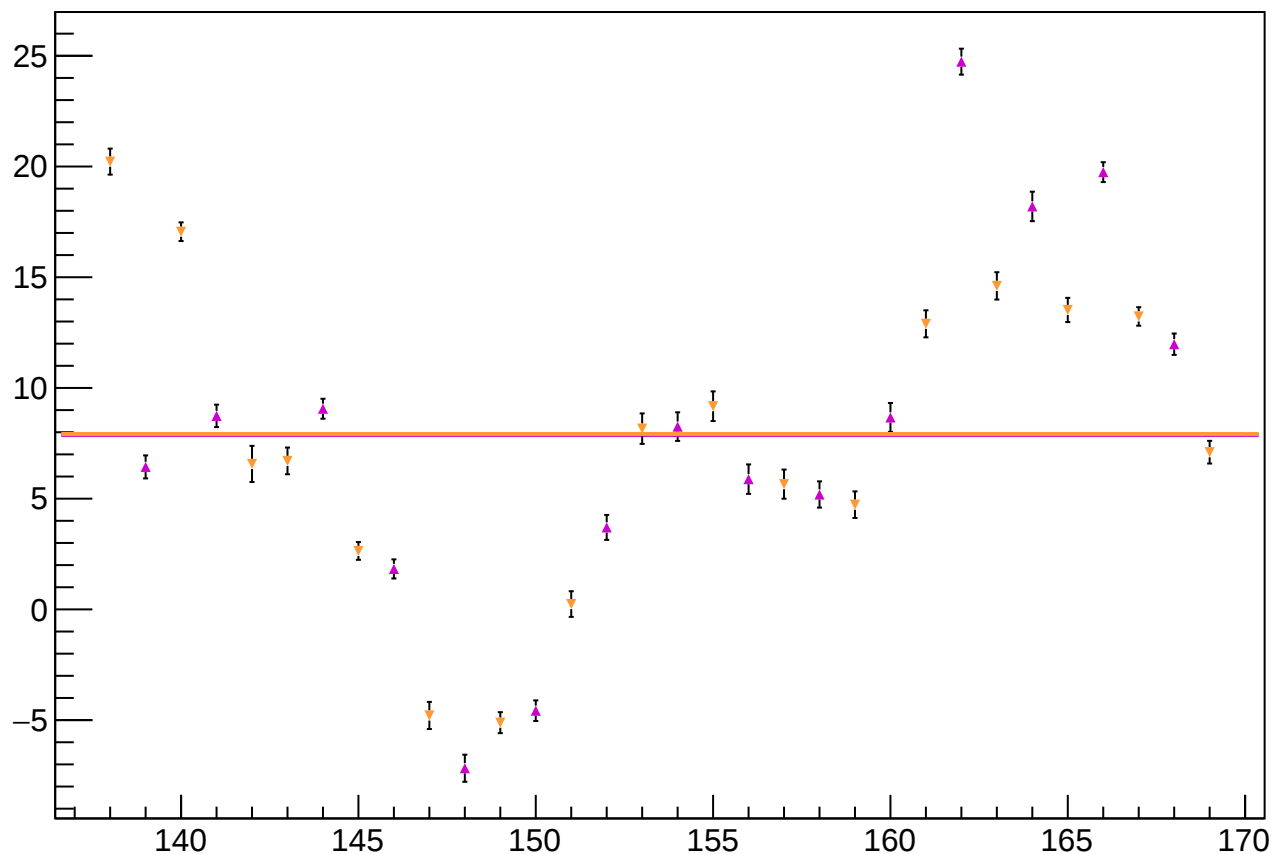
Left In: 0.272 ± 0.010 χ^2/NDF : 58.6/14

+ sign 0.195 ± 0.009 χ^2/NDF : 804.9/33

All: 0.193 ± 0.006 χ^2/NDF : 2111.7/67

- sign 0.192 ± 0.009 χ^2/NDF : 1306.8/33

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: 7.922+/-0.133 χ^2/NDF :2946.0/16

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

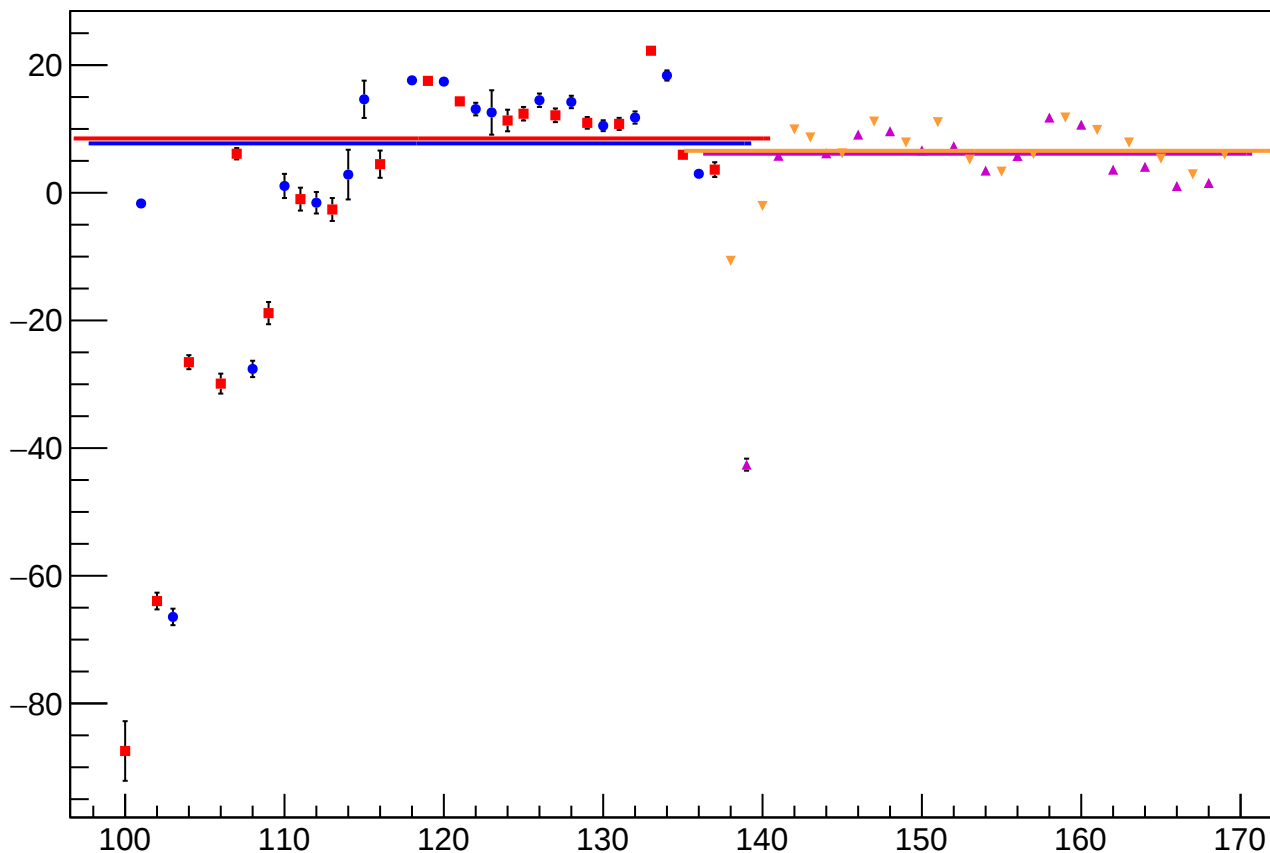
Left In: 7.879+/-0.138 χ^2/NDF :3458.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7.901+/-0.096 χ^2/NDF : 6404.2/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 6.572 ± 0.096 χ^2/NDF : 2341.4/16

Right Out: 8.514 ± 0.213 χ^2/NDF : 6719.4/18

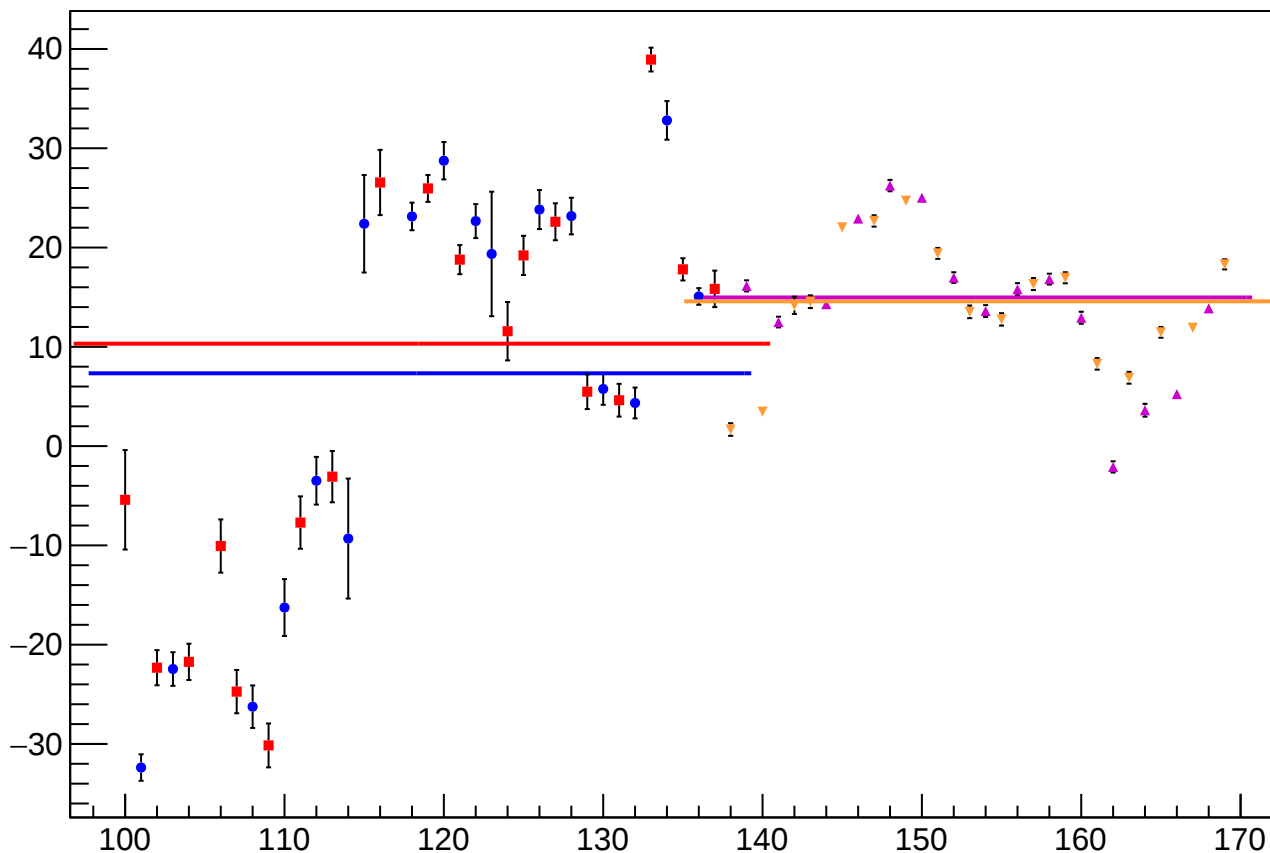
Left In: 6.123 ± 0.101 χ^2/NDF : 3586.3/14

+ sign 6.760 ± 0.088 χ^2/NDF : 7665.9/33

All: 6.662 ± 0.063 χ^2/NDF : 18077.1/67

- sign 6.557 ± 0.091 χ^2/NDF : 10408.6/33

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333 $\pm$ 0.419 χ^2 /NDF: 2293.1/16

Left Out: 14.583 $\pm$ 0.132 χ^2 /NDF: 2576.7/16

Right Out: 10.317 $\pm$ 0.417 χ^2 /NDF: 2281.5/18

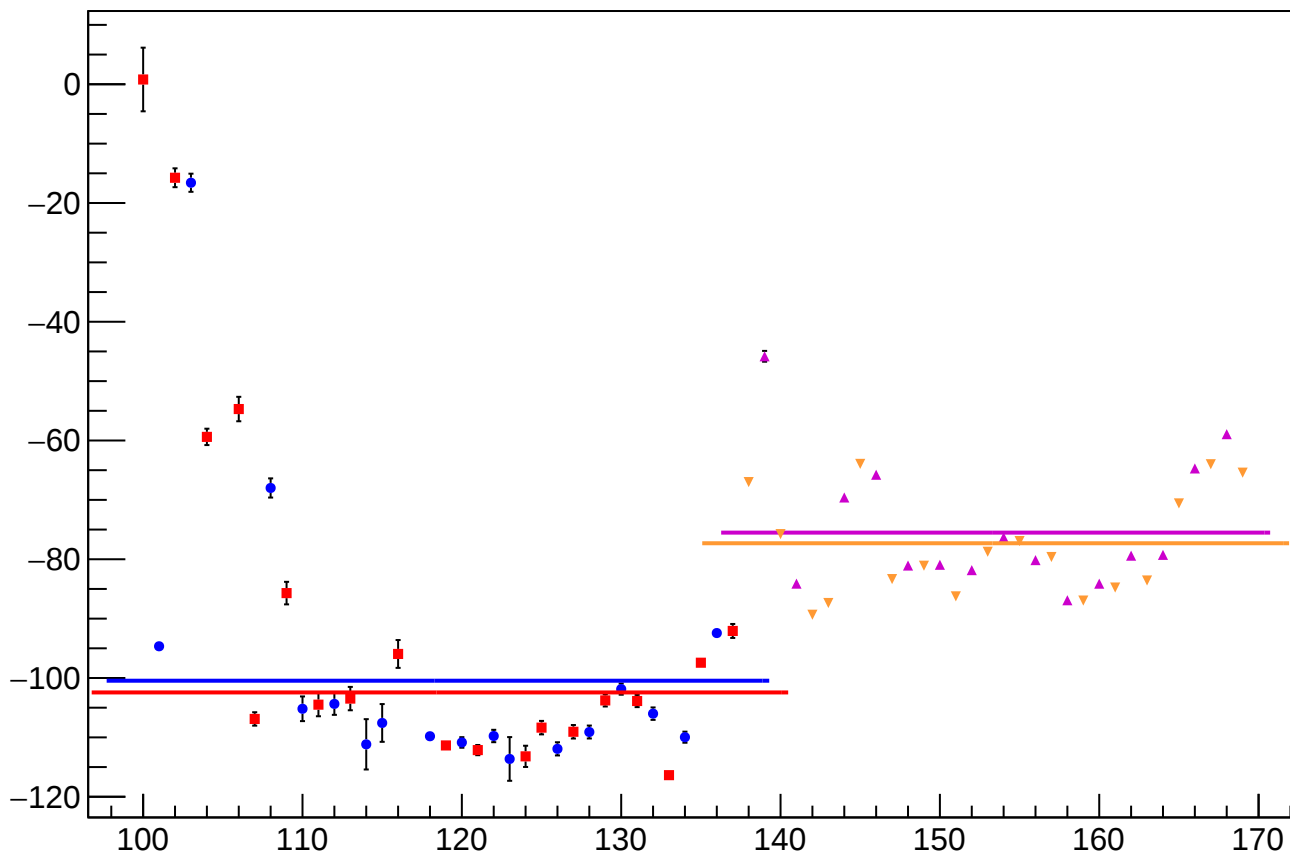
Left In: 14.971 $\pm$ 0.136 χ^2 /NDF: 3034.9/14

+ sign 13.929 $\pm$ 0.126 χ^2 /NDF: 5142.8/33

All: 14.220 $\pm$ 0.090 χ^2 /NDF: 10582.8/67

- sign 14.526 $\pm$ 0.129 χ^2 /NDF: 5429.1/33

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -77.305 ± 0.111 χ^2/NDF : 6124.6/16

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

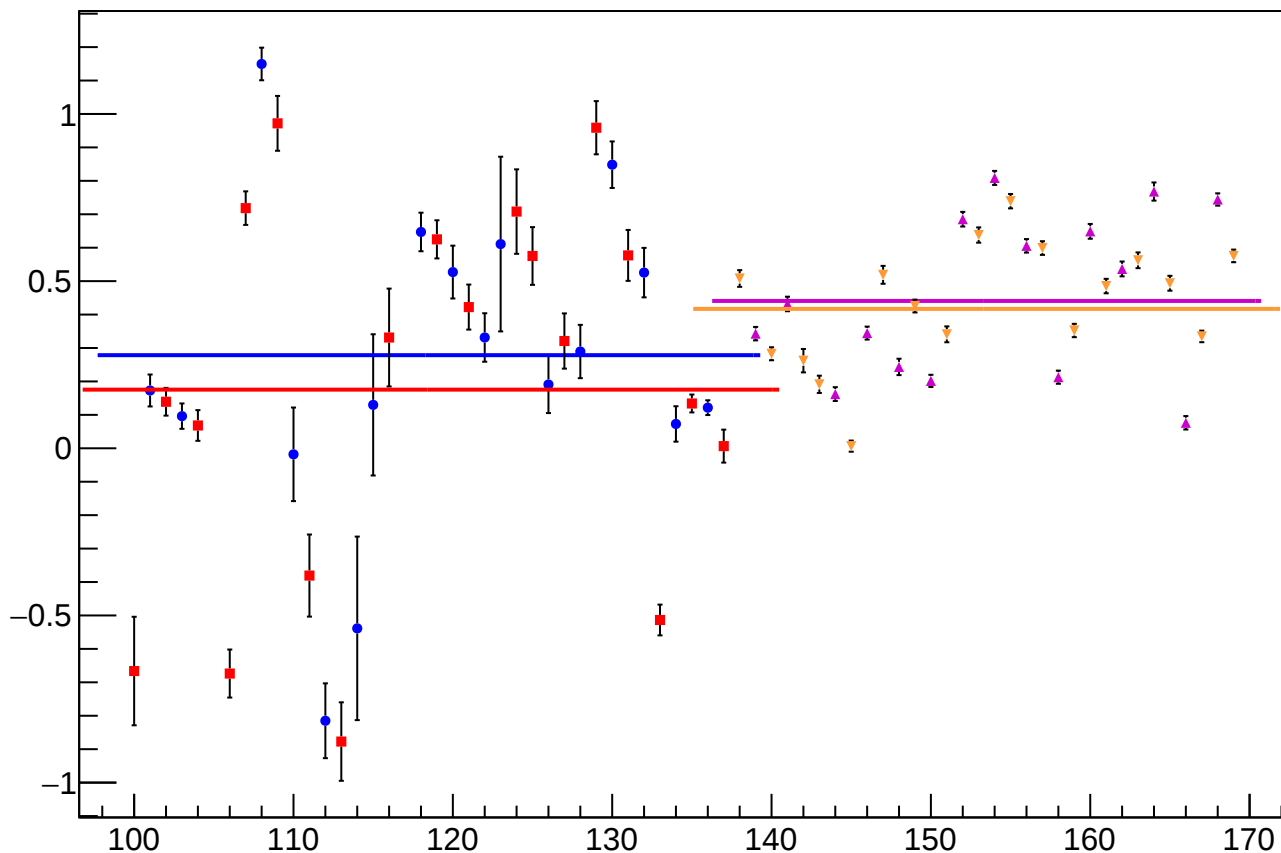
Left In: -75.514 ± 0.117 χ^2/NDF : 6116.0/14

+ sign -81.100 ± 0.102 χ^2/NDF : 17713.5/33

All: -80.793 ± 0.073 χ^2/NDF : 39694.3/67

- sign -80.461 ± 0.106 χ^2/NDF : 21961.8/33

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.417 ± 0.005 χ^2/NDF : 1348.2/16

Right Out: 0.175 ± 0.013 χ^2/NDF : 967.7/18

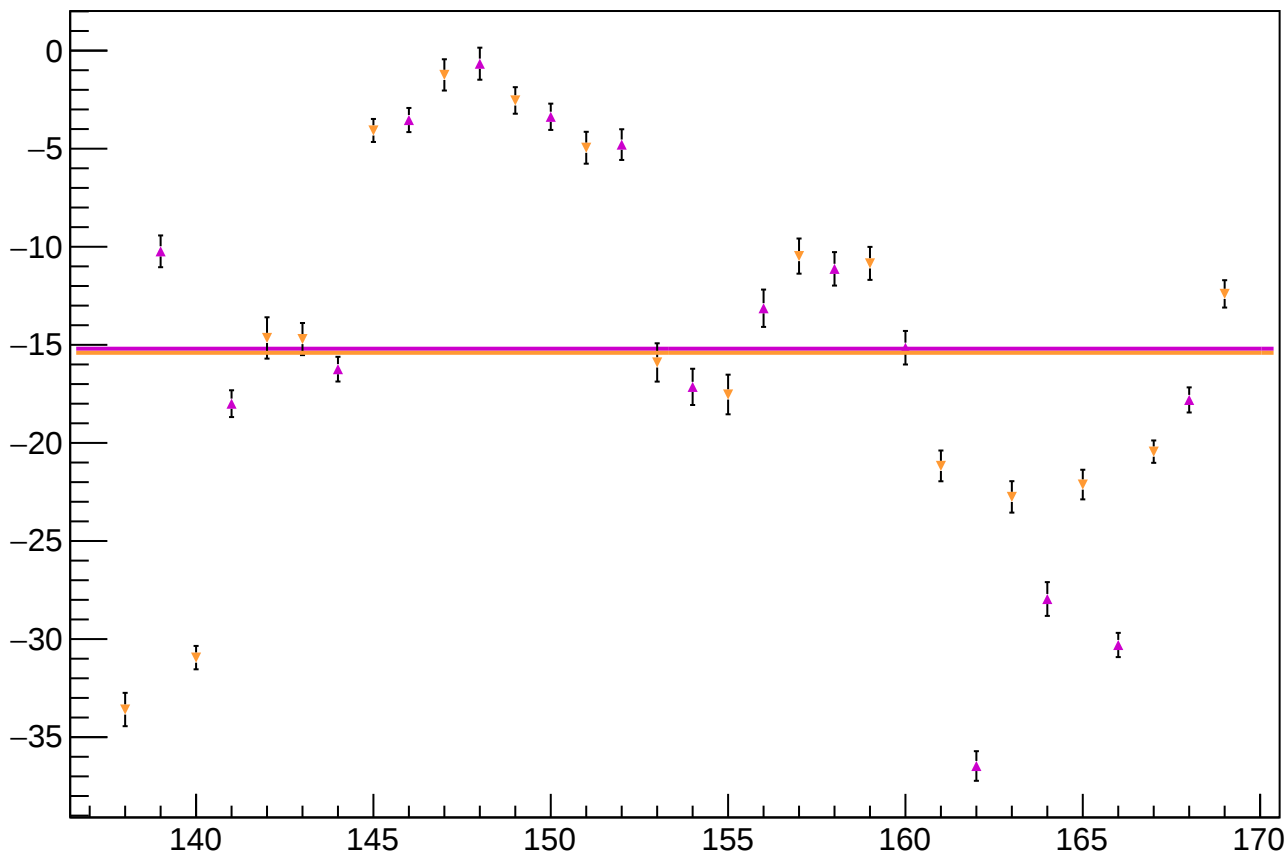
Left In: 0.441 ± 0.005 χ^2/NDF : 1949.5/14

+ sign 0.399 ± 0.005 χ^2/NDF : 2093.6/33

All: 0.402 ± 0.003 χ^2/NDF : 5345.2/67

- sign 0.404 ± 0.005 χ^2/NDF : 3251.1/33

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -15.405+/-0.184 χ^2/NDF : 2733.4/16

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

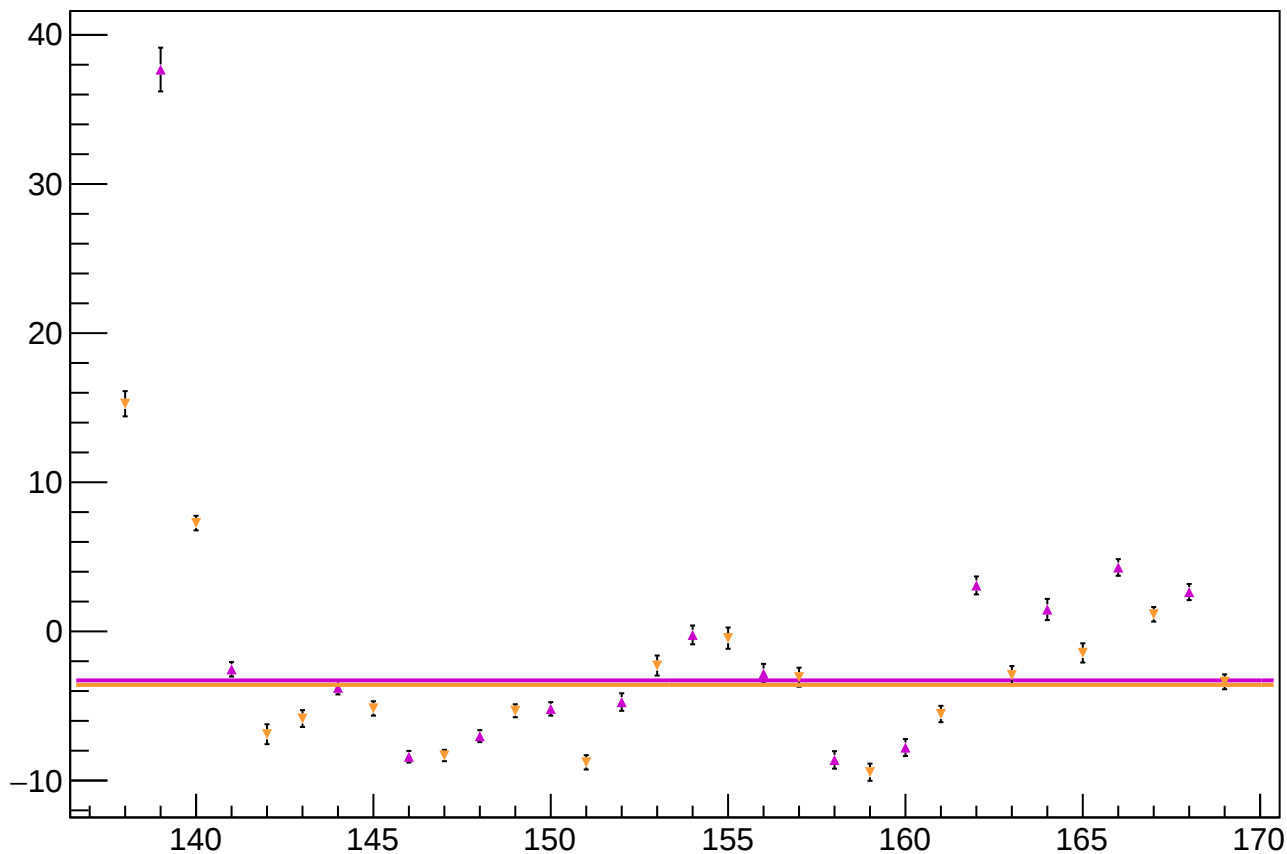
Left In: -15.197+/-0.191 χ^2/NDF : 2880.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.305+/-0.133 χ^2/NDF : 5614.4/31

- 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -3.590 $\pm$ 0.131 χ^2 /NDF:1570.6/16

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

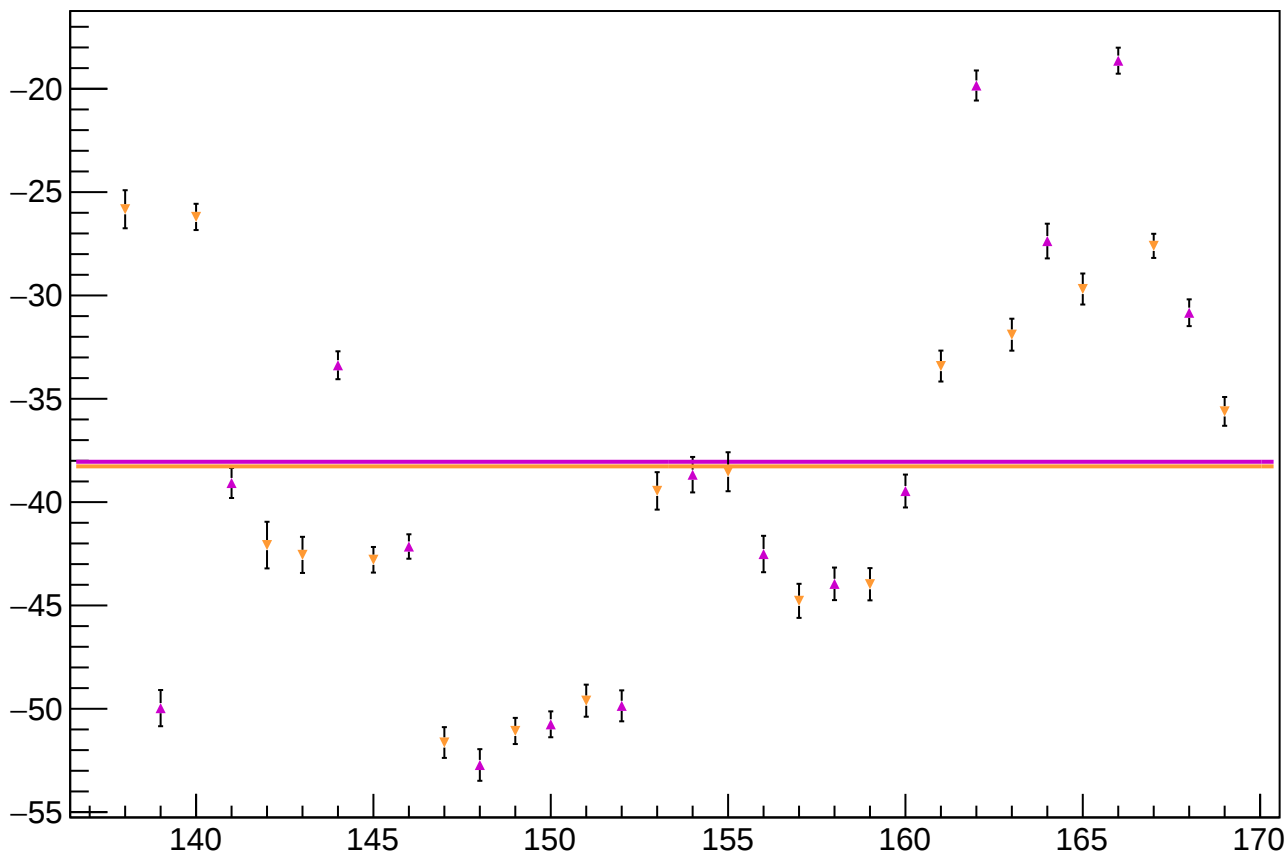
Left In: -3.287 $\pm$ 0.138 χ^2 /NDF:1695.8/14

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

All: -3.446 $\pm$ 0.095 χ^2 /NDF: 3268.9/31

- sign 0.000 $\pm$ 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: -38.270+/-0.183 χ^2/NDF : 2283.9/16

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

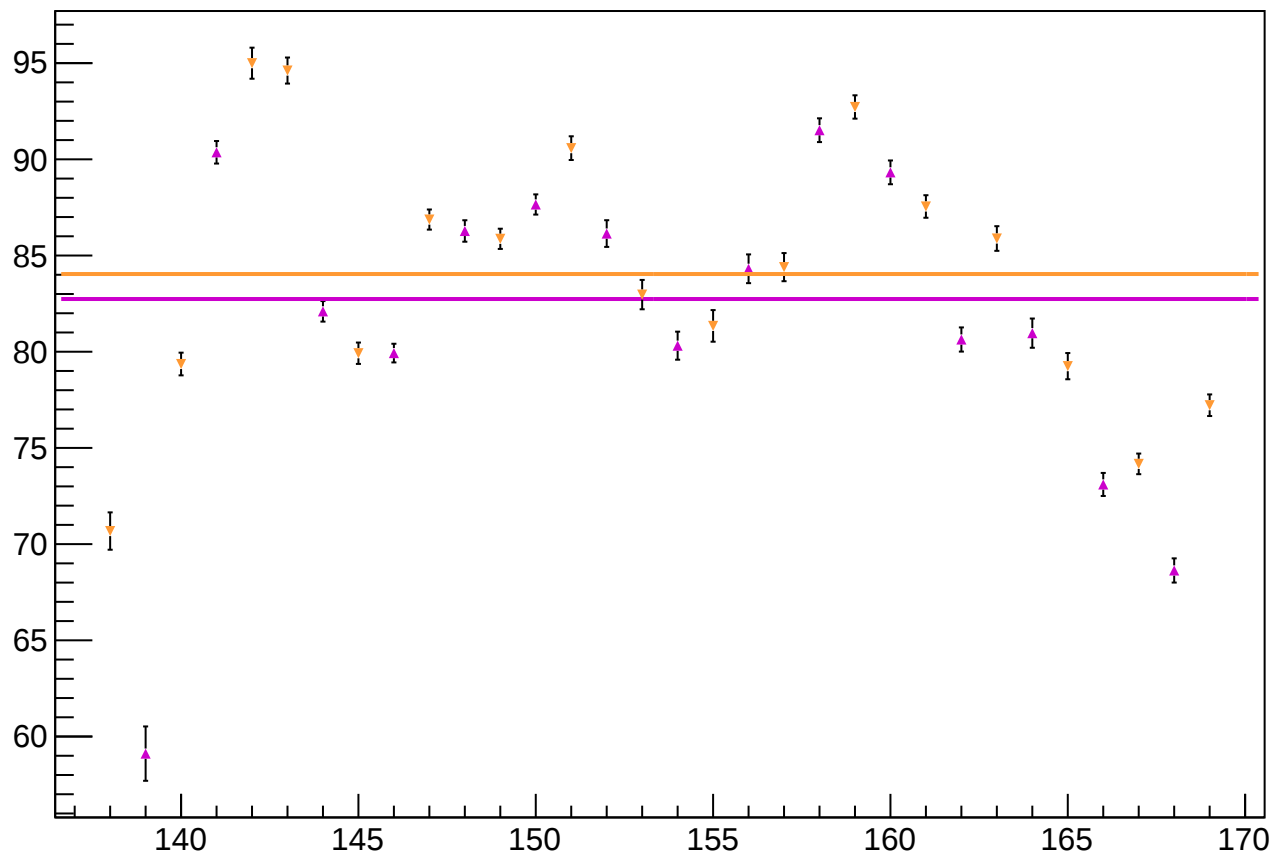
Left In: -38.047+/-0.188 χ^2/NDF : 3259.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.162+/-0.131 χ^2/NDF : 5544.1/31

- 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: 84.039+/-0.153 χ^2/NDF :1687.2/16

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

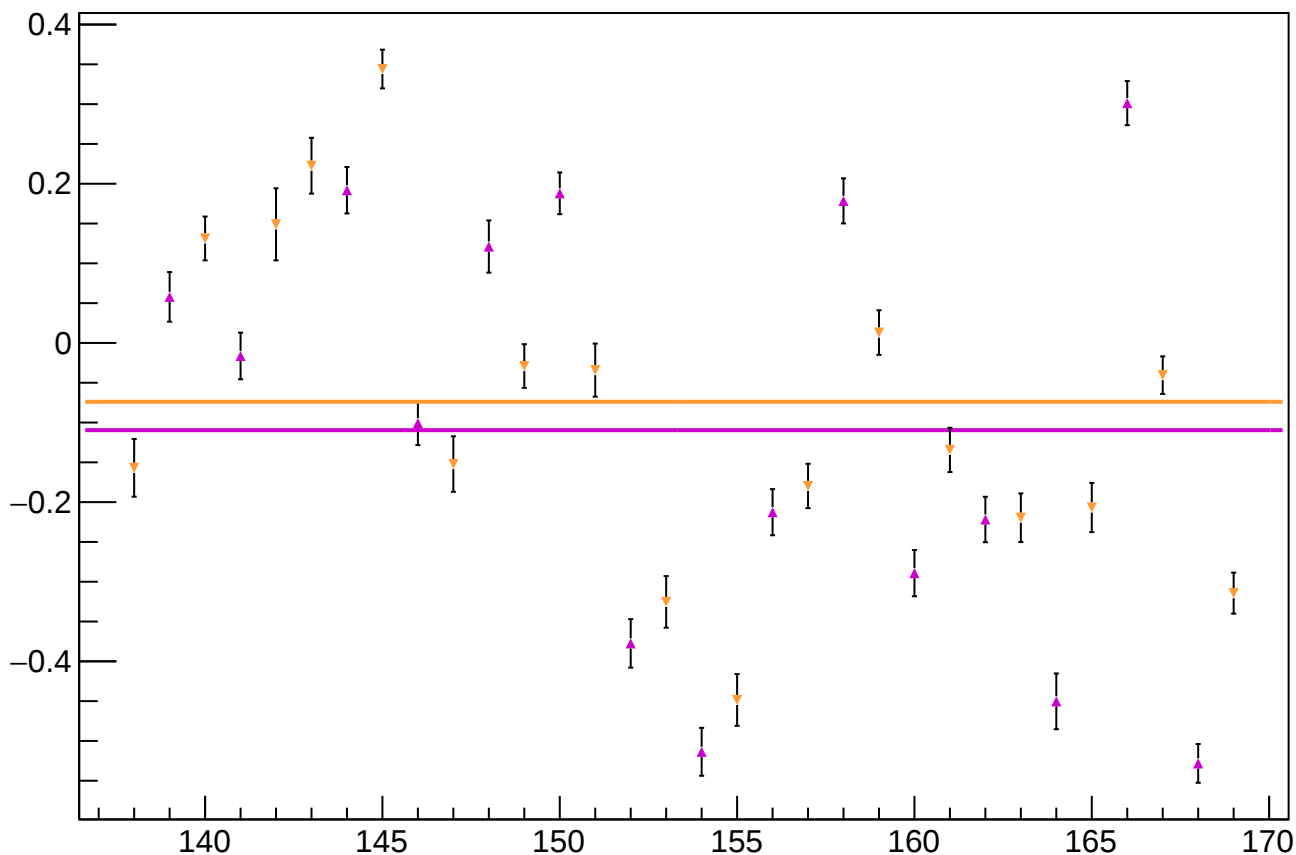
Left In: 82.740+/-0.161 χ^2/NDF :1745.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 83.422+/-0.111 χ^2/NDF : 3467.2/31

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.074+/-0.007 χ^2/NDF : 812.6/16

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

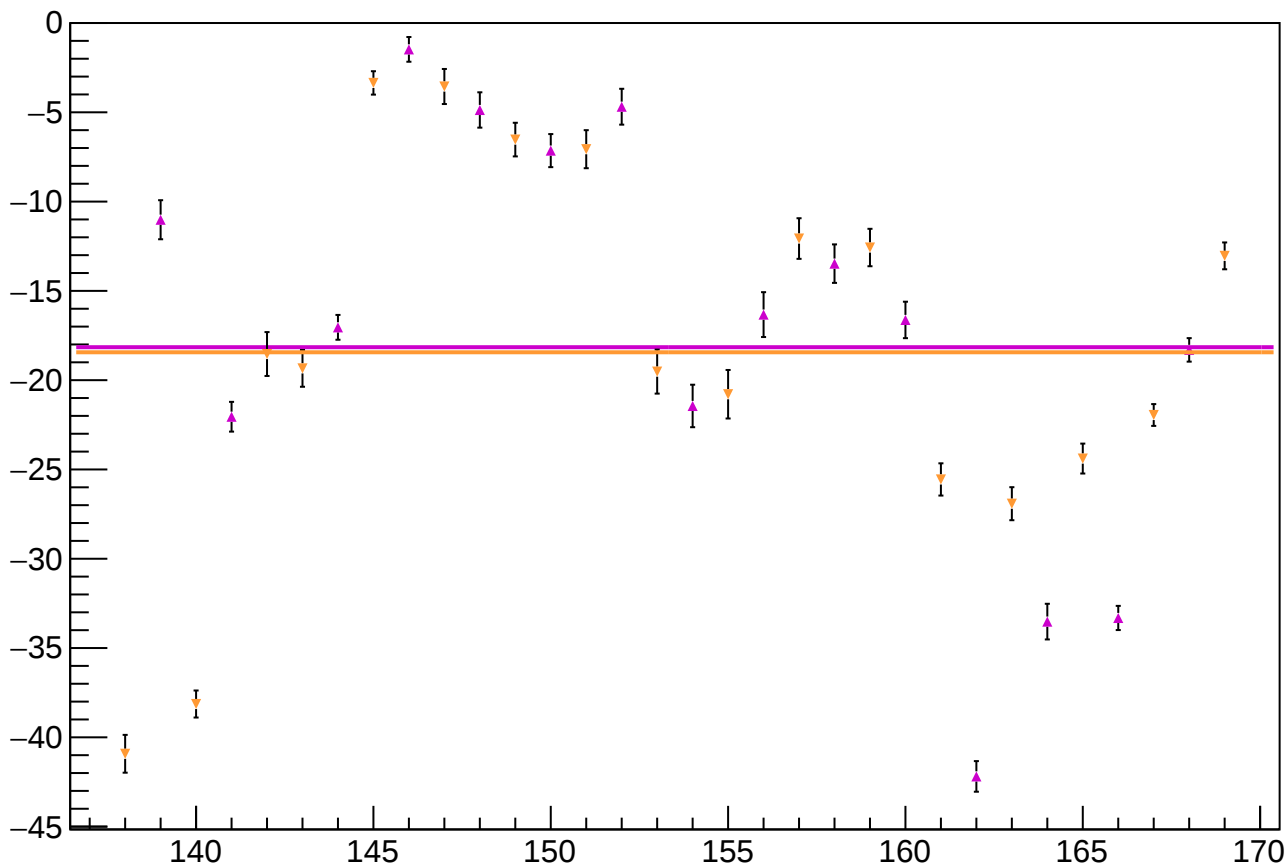
Left In: -0.110+/-0.007 χ^2/NDF : 1361.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.091+/-0.005 χ^2/NDF : 2185.6/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -18.438 $\pm$ 0.219 χ^2 /NDF:2511.5/16

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

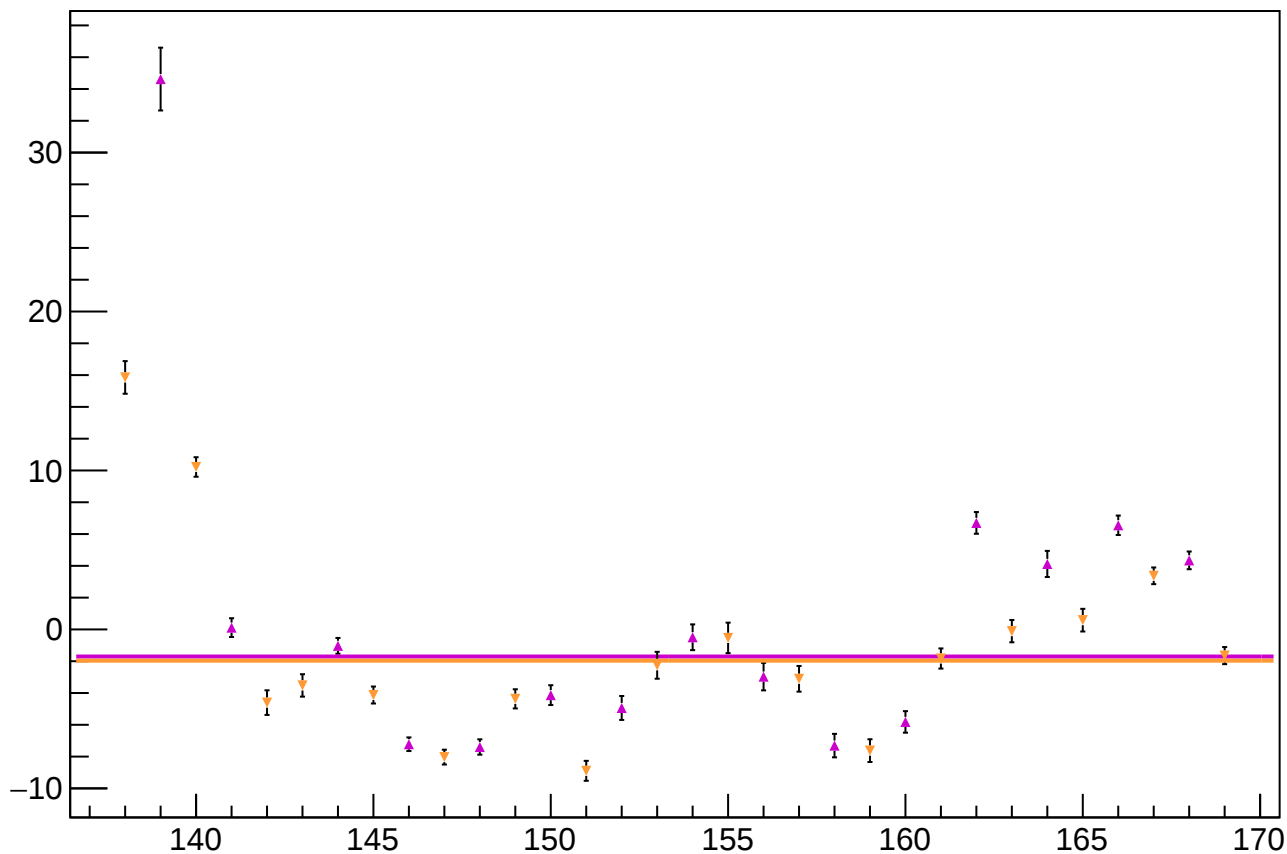
Left In: -18.154 $\pm$ 0.226 χ^2 /NDF:2704.6/14

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

All: -18.300 $\pm$ 0.157 χ^2 /NDF: 5216.9/31

- sign 0.000 $\pm$ 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: -1.966+/-0.158 χ^2/NDF :1224.6/16

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

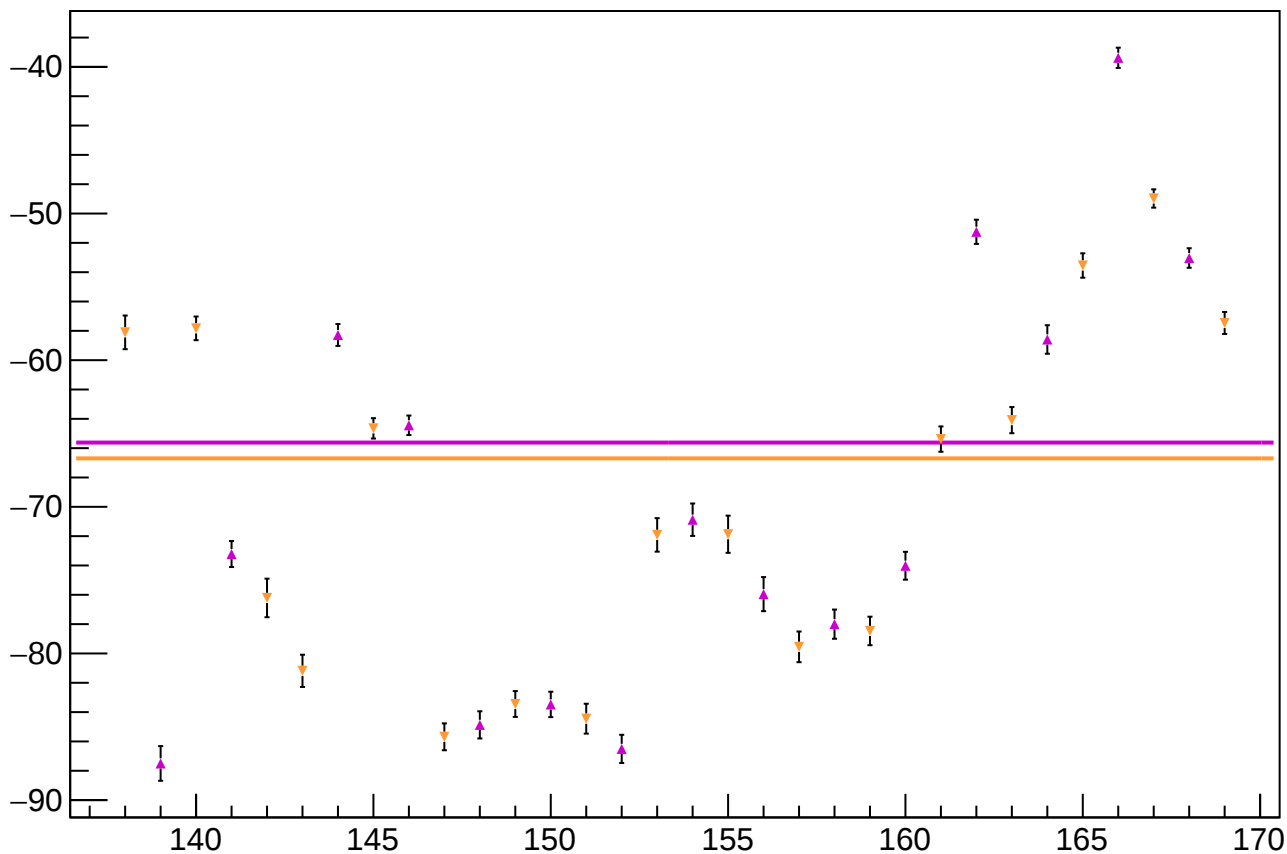
Left In: -1.704+/-0.163 χ^2/NDF :1287.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1.840+/-0.113 χ^2/NDF : 2513.9/31

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -66.697+/-0.218 χ^2/NDF : 3057.4/16

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

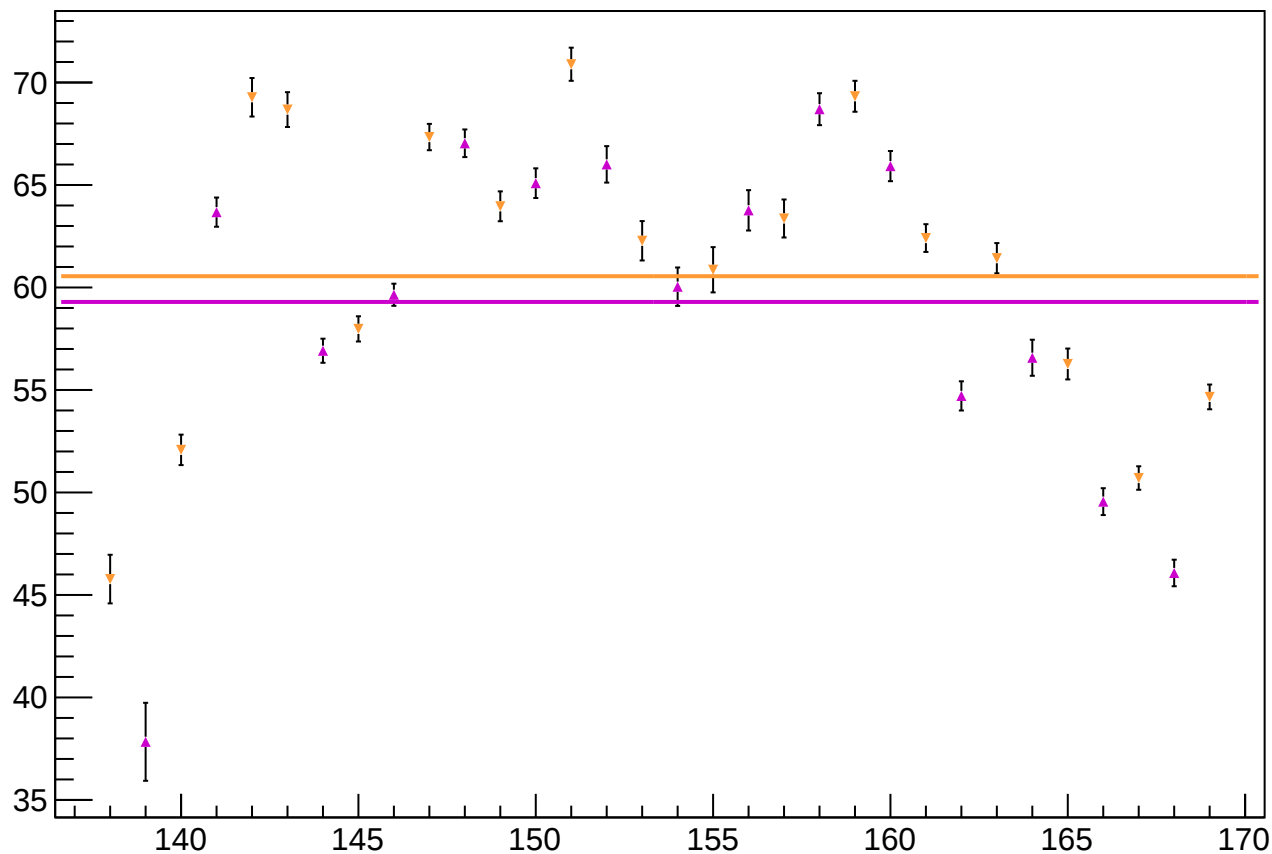
Left In: -65.619+/-0.223 χ^2/NDF : 4339.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -66.168+/-0.156 χ^2/NDF : 7408.4/31

- sign 0.000+/-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: 60.550+/-0.183 χ^2/NDF :1357.4/16

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

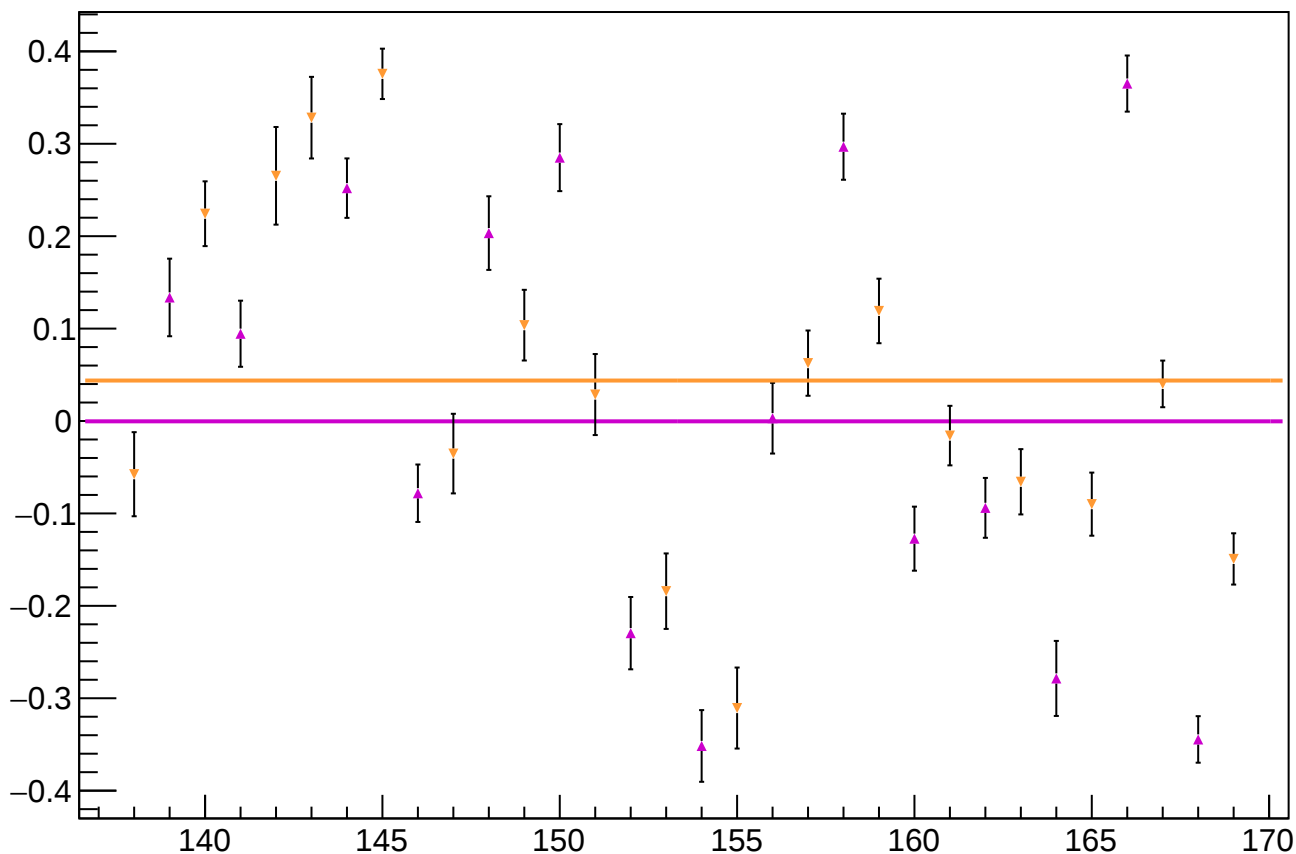
Left In: 59.295+/-0.190 χ^2/NDF :1371.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 59.948+/-0.132 χ^2/NDF : 2751.2/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

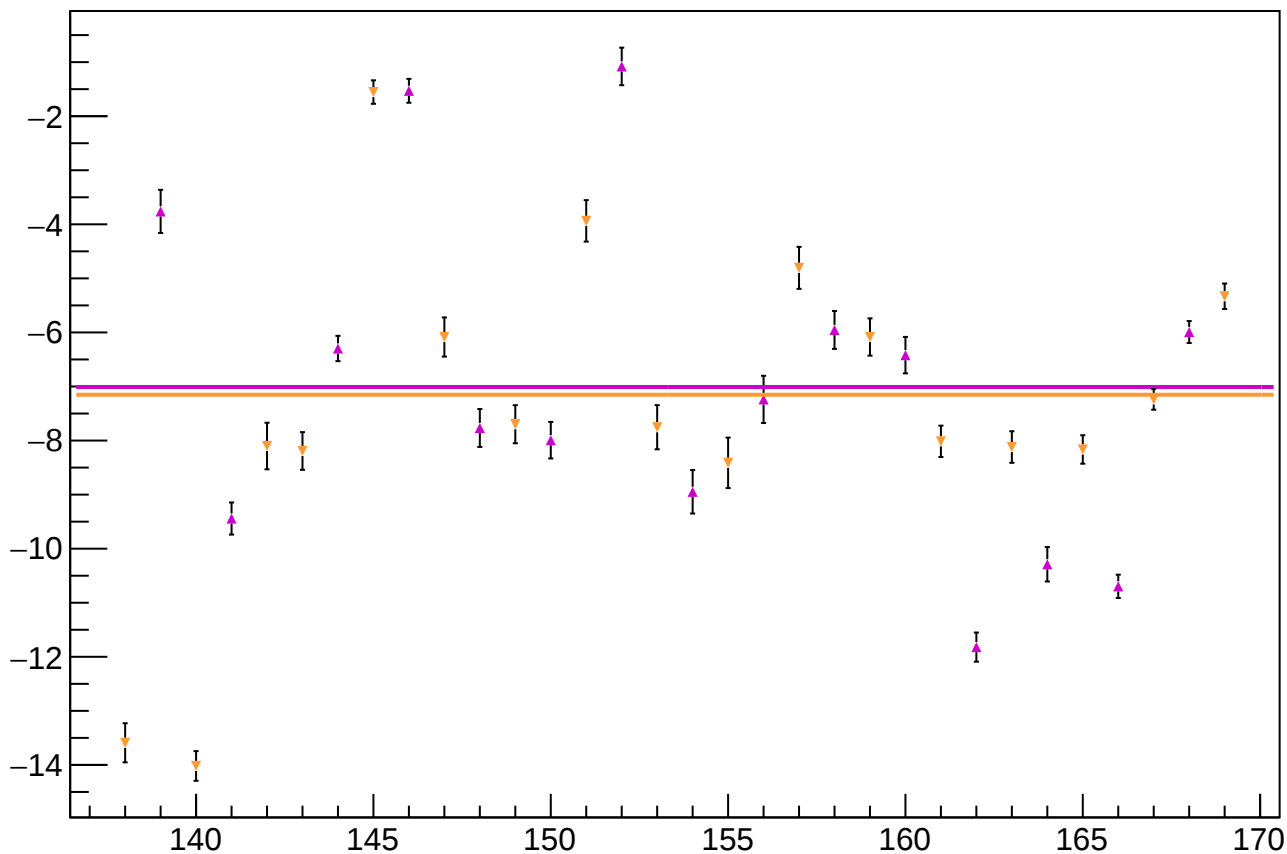
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.044 $\pm$ 0.009 χ^2 /NDF:423.1/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.000 $\pm$ 0.009 χ^2 /NDF:759.1/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.022 $\pm$ 0.006 χ^2 /NDF: 1194.8/31
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

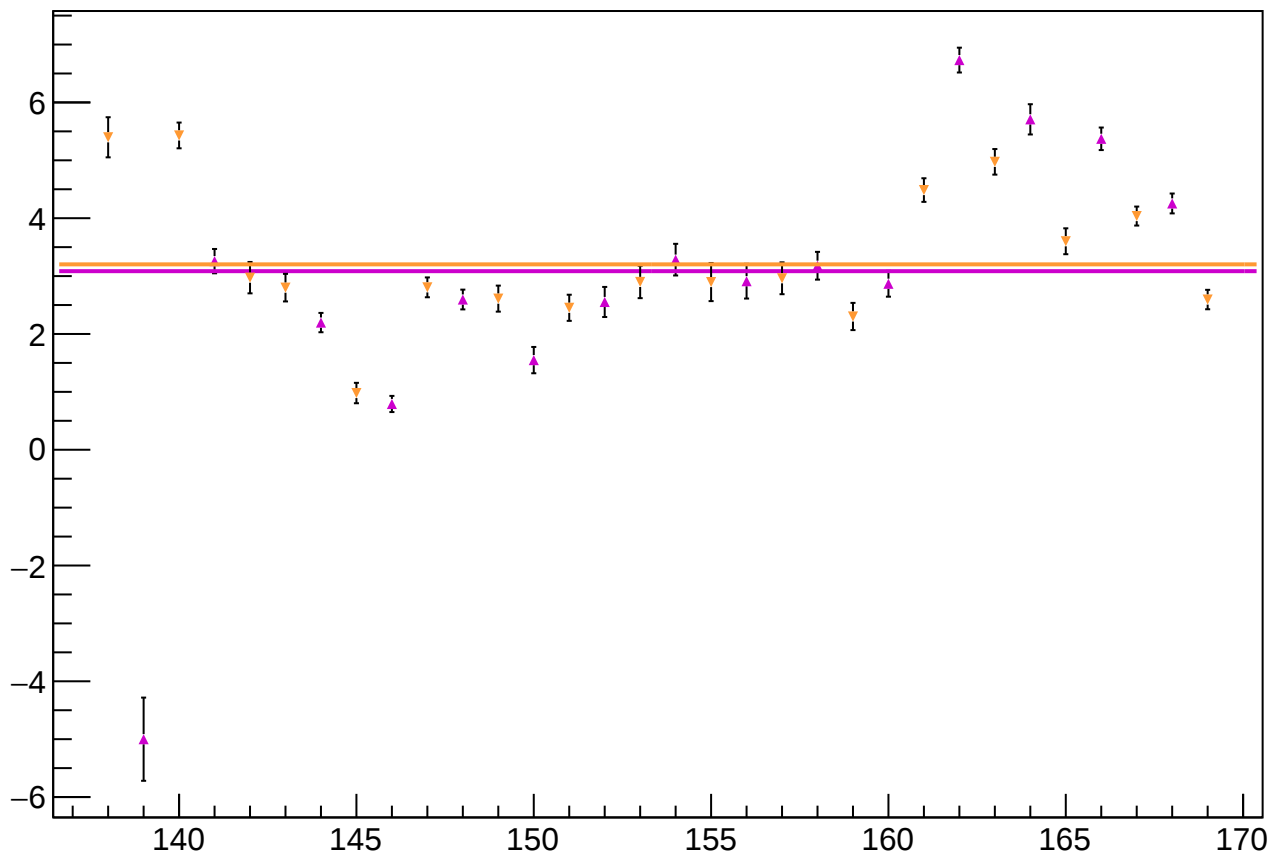
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.153 $\pm$ 0.073 χ^2 /NDF:1853.5/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.009 $\pm$ 0.075 χ^2 /NDF:1840.7/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -7.082 $\pm$ 0.052 χ^2 /NDF: 3696.1/31
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

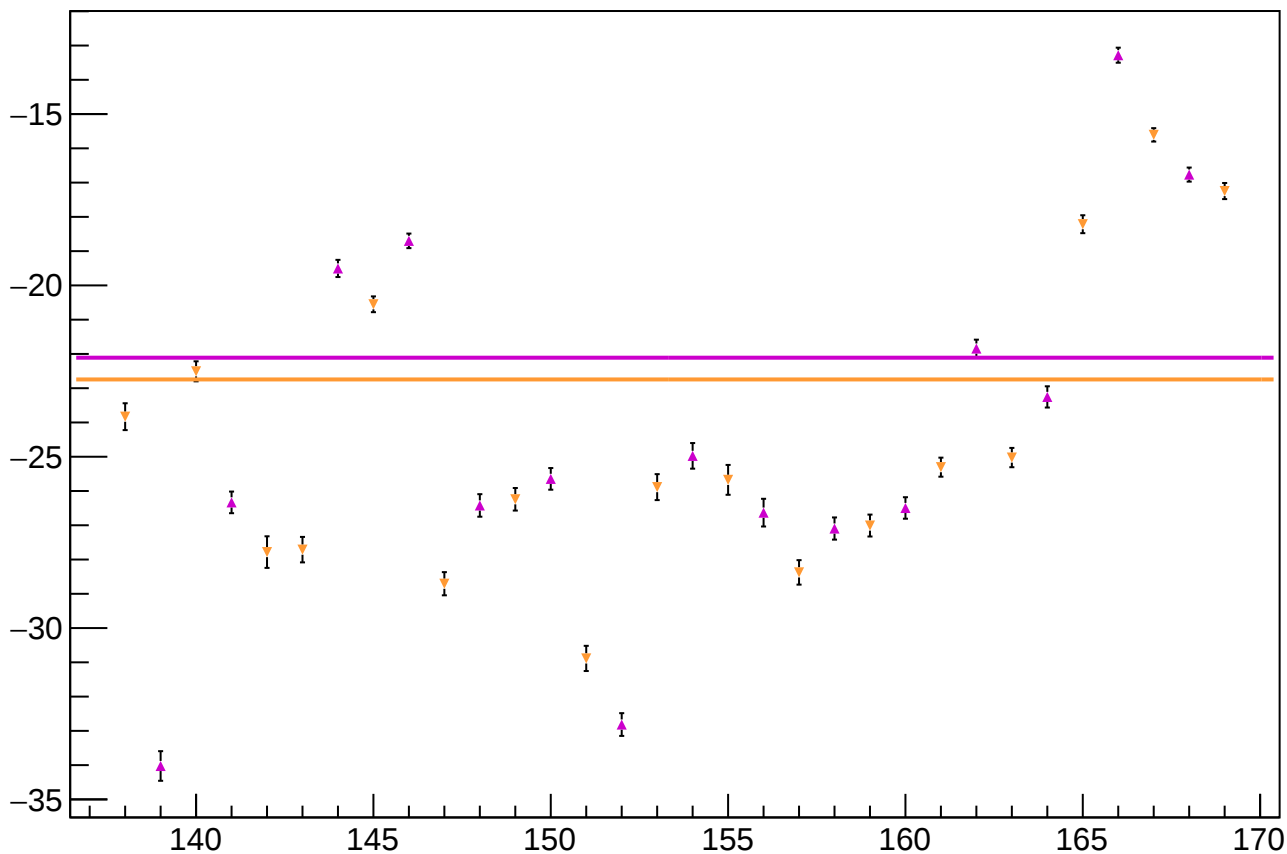
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.203 $\pm$ 0.053 χ^2 /NDF:489.9/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.085 $\pm$ 0.054 χ^2 /NDF:1059.9/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 3.145 $\pm$ 0.038 χ^2 /NDF: 1552.2/31
 - 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: -22.744+/-0.073 χ^2/NDF : 4179.4/16

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

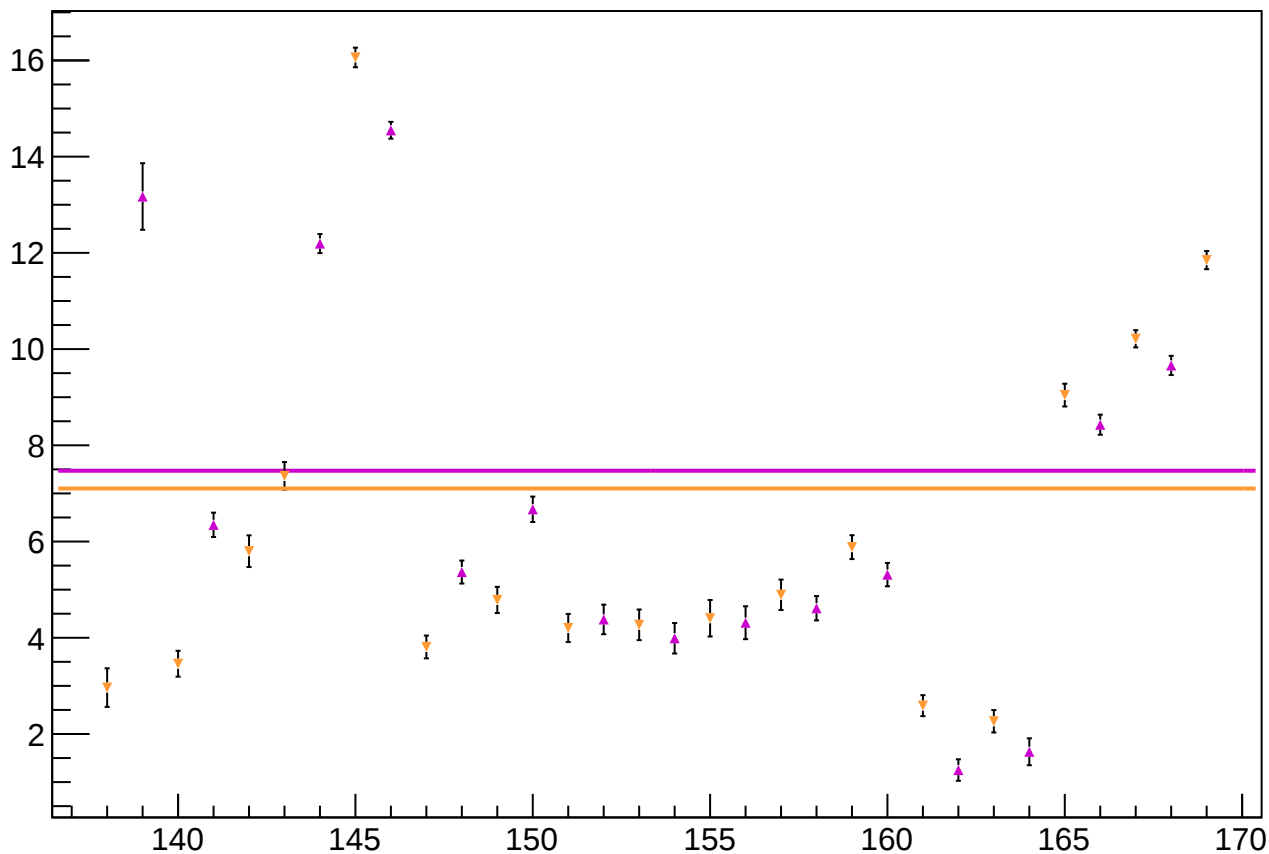
Left In: -22.110+/-0.074 χ^2/NDF : 5562.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -22.431+/-0.052 χ^2/NDF : 9779.2/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

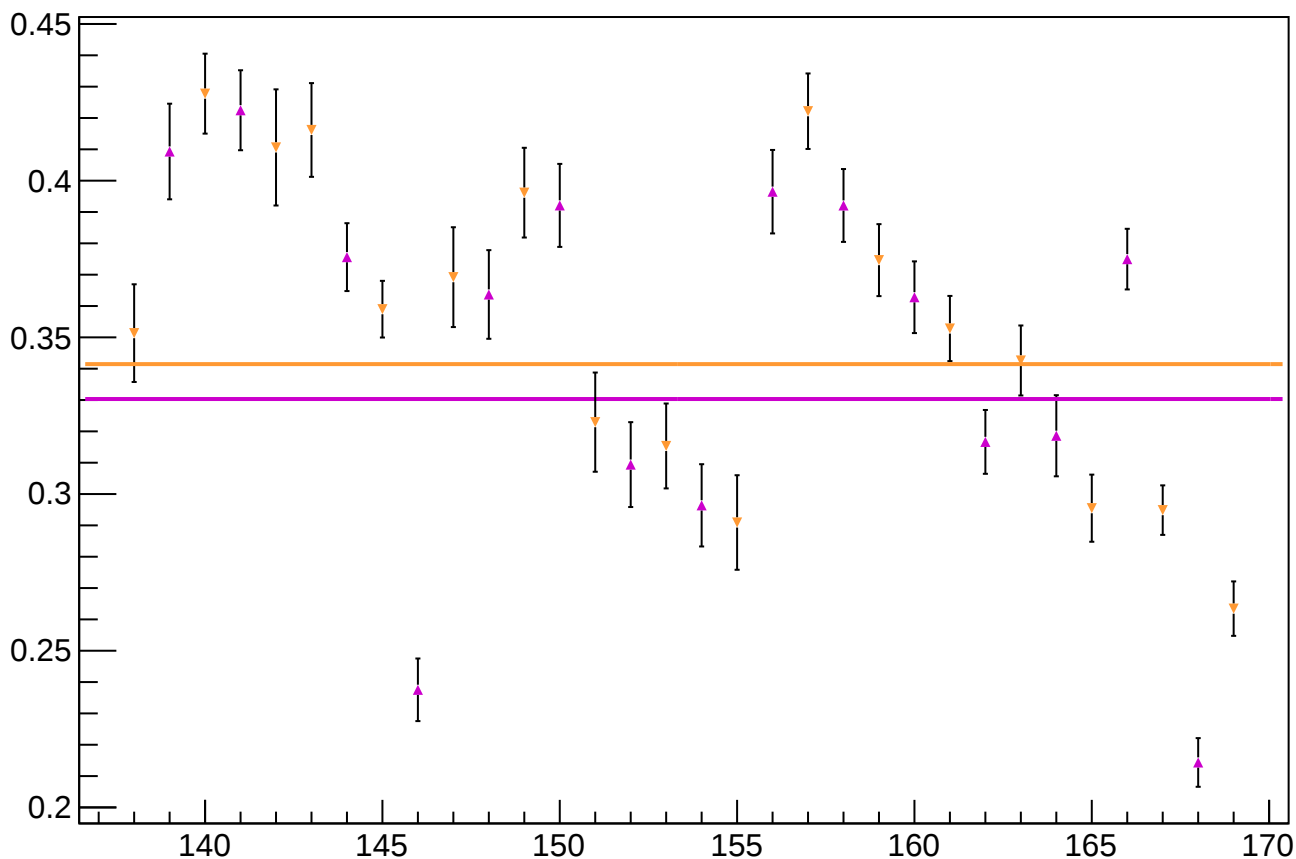
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.102+/-0.061 χ^2/NDF : 4680.4/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.472+/-0.063 χ^2/NDF : 4246.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 7.280+/-0.044 χ^2/NDF : 8944.1/31
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

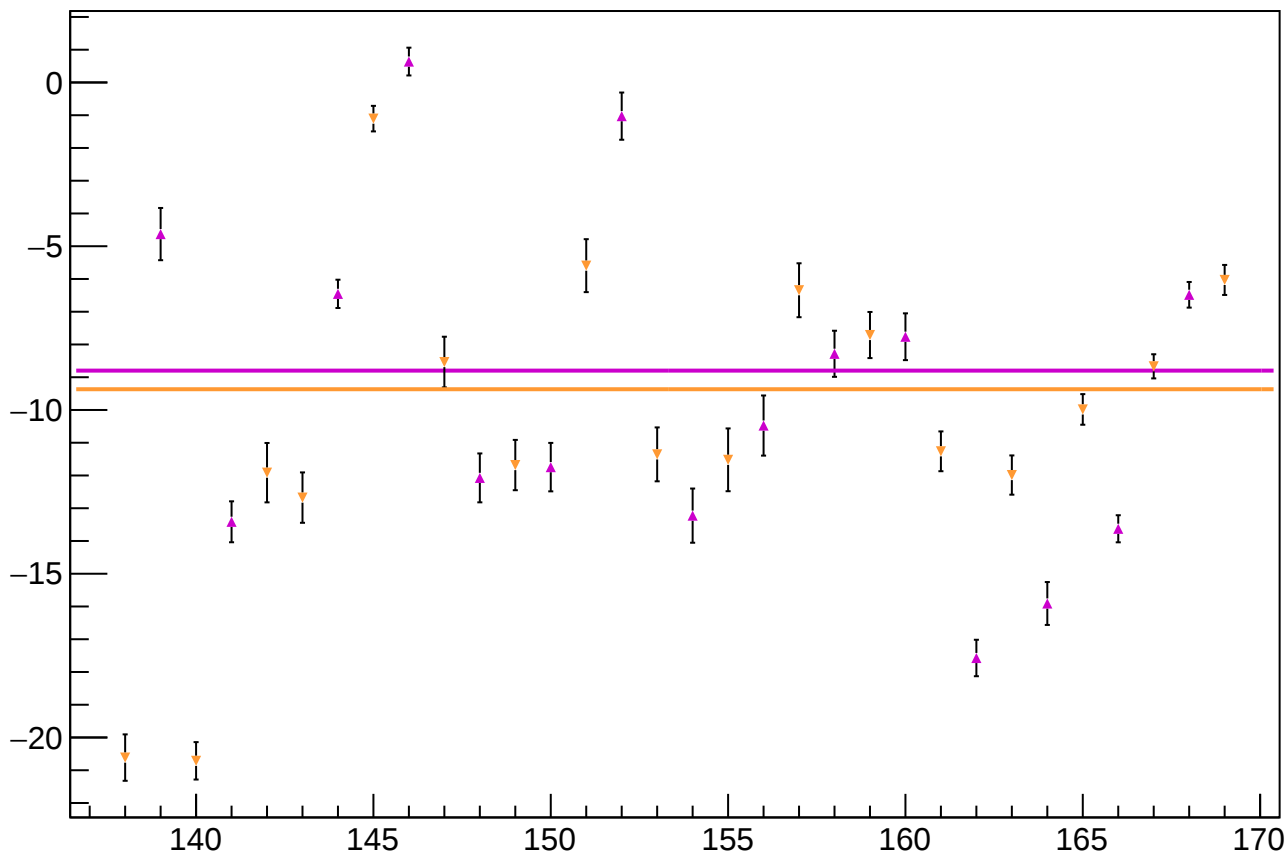
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.341 $\pm$ 0.003 χ^2 /NDF:311.1/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.330 $\pm$ 0.003 χ^2 /NDF:526.9/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.336 $\pm$ 0.002 χ^2 /NDF: 845.3/31
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

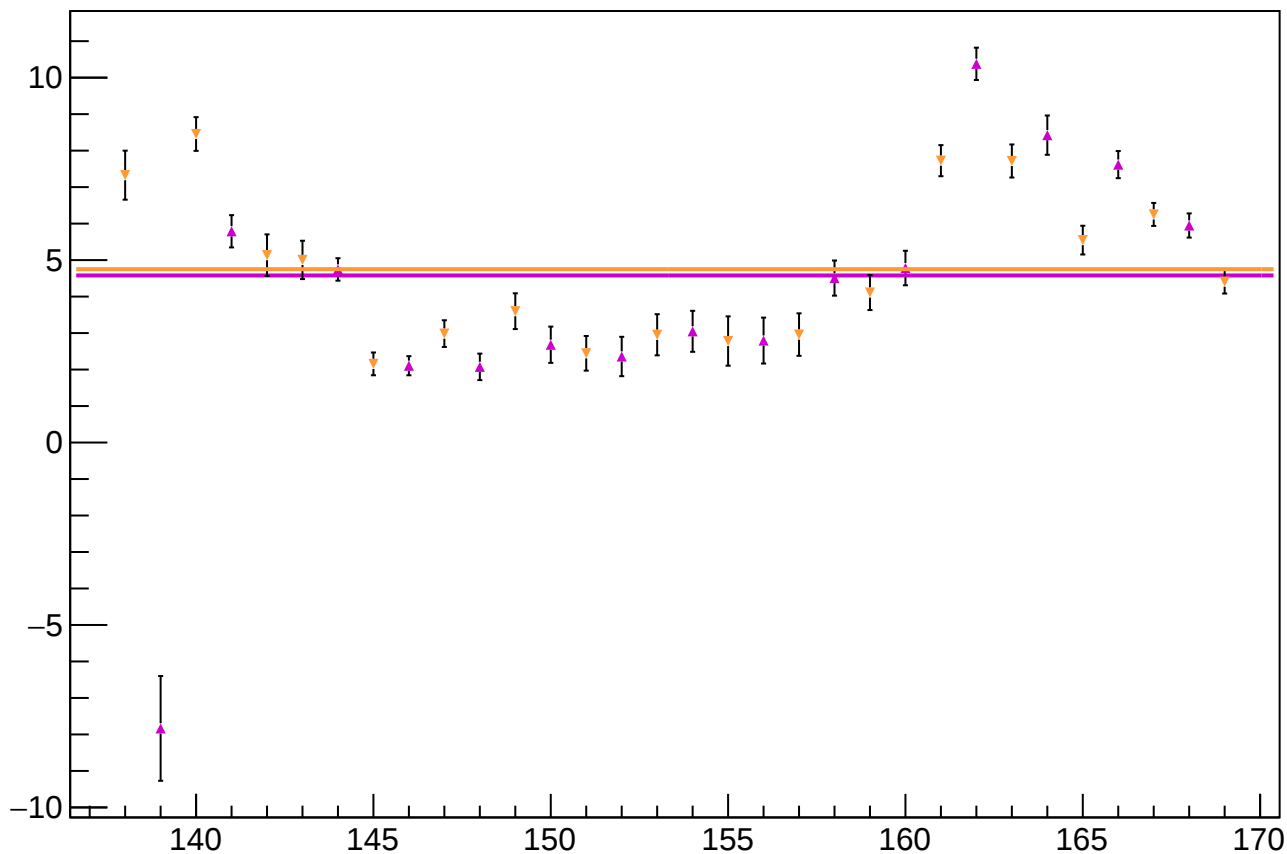
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.367 $\pm$ 0.145 χ^2 /NDF:1270.3/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.798 $\pm$ 0.149 χ^2 /NDF:1329.6/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -9.090 $\pm$ 0.104 χ^2 /NDF: 2607.5/31
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

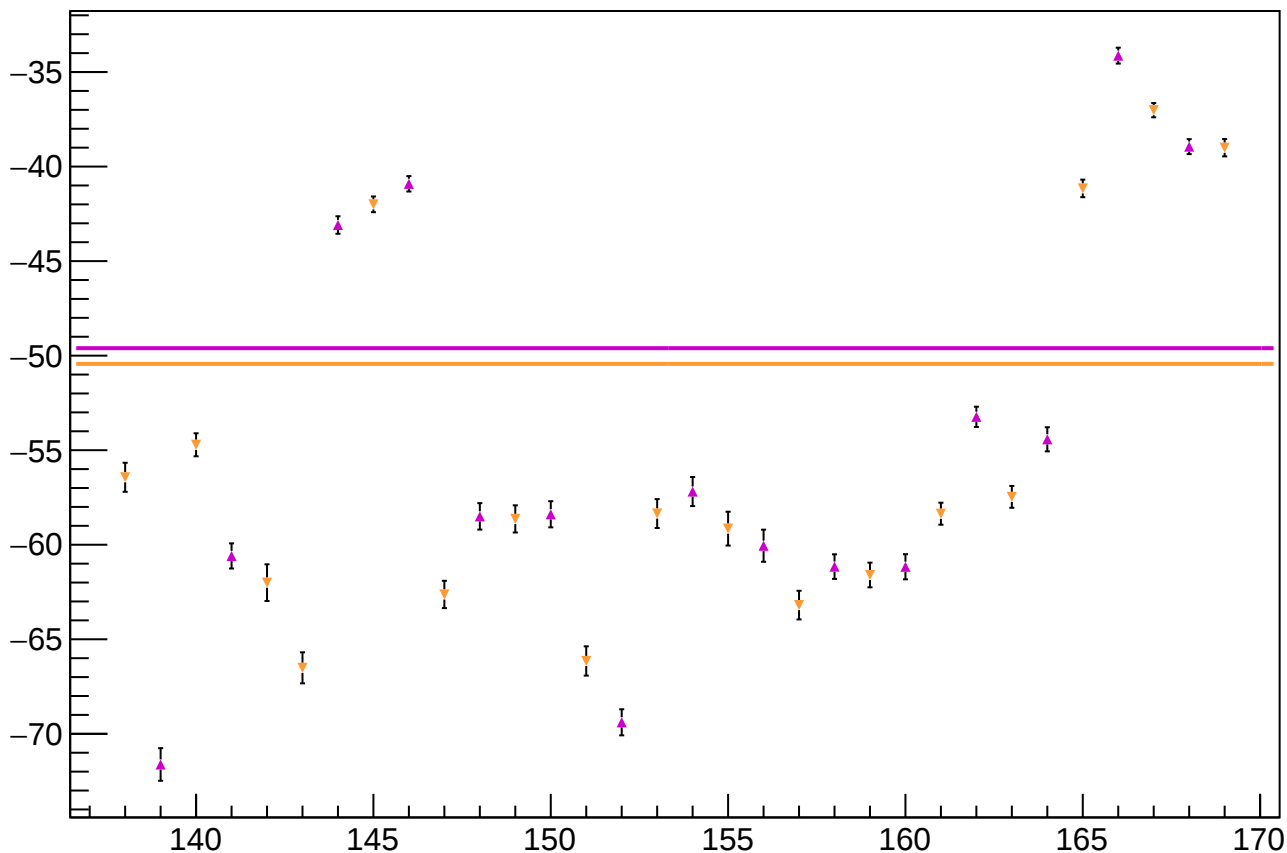
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.752 $\pm$ 0.106 χ^2 /NDF:350.3/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.579 $\pm$ 0.108 χ^2 /NDF:572.8/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 4.667 $\pm$ 0.076 χ^2 /NDF: 924.4/31
 - 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: -50.434+/-0.145 χ^2/NDF : 5274.9/16

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

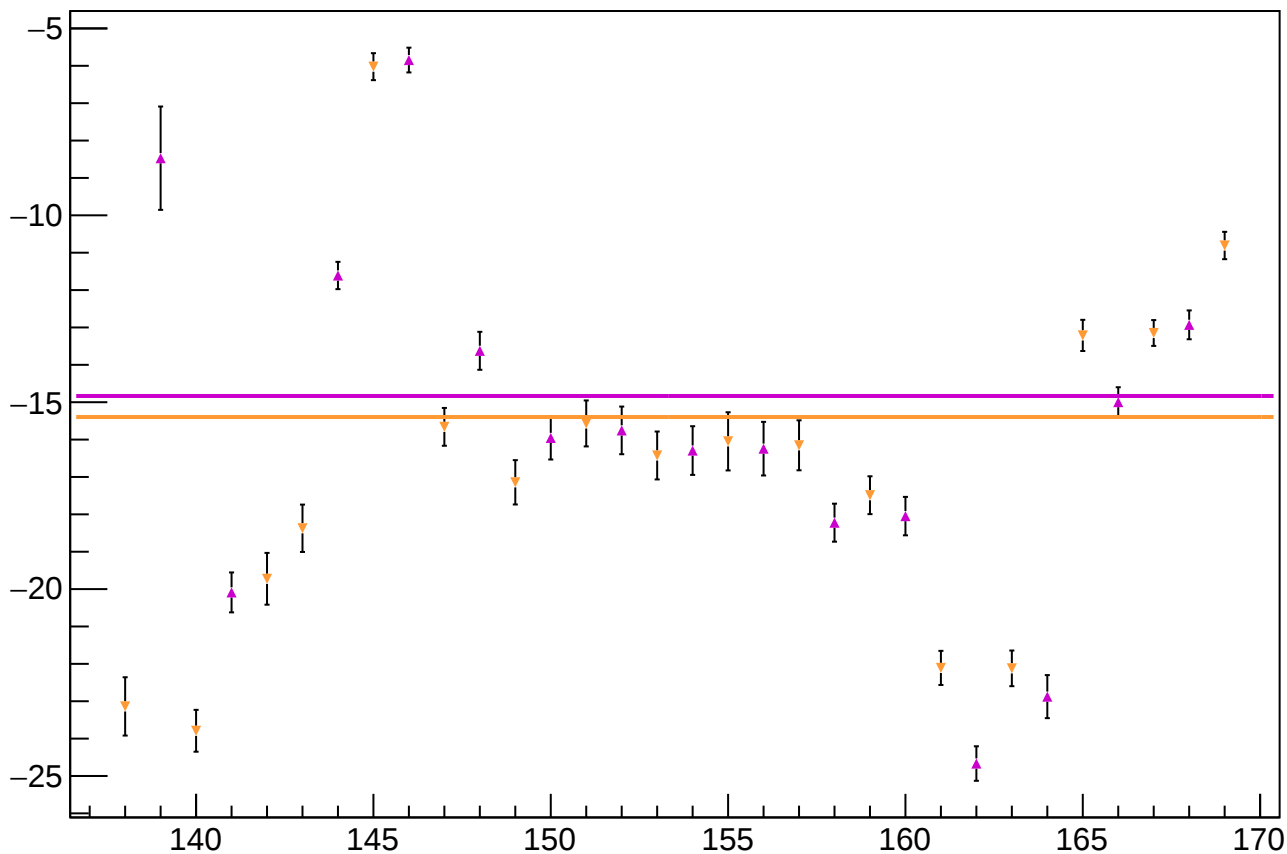
Left In: -49.604+/-0.147 χ^2/NDF : 5768.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -50.026+/-0.103 χ^2/NDF : 11059.1/31

- 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: -15.396+/-0.122 χ^2/NDF : 1732.1/16

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

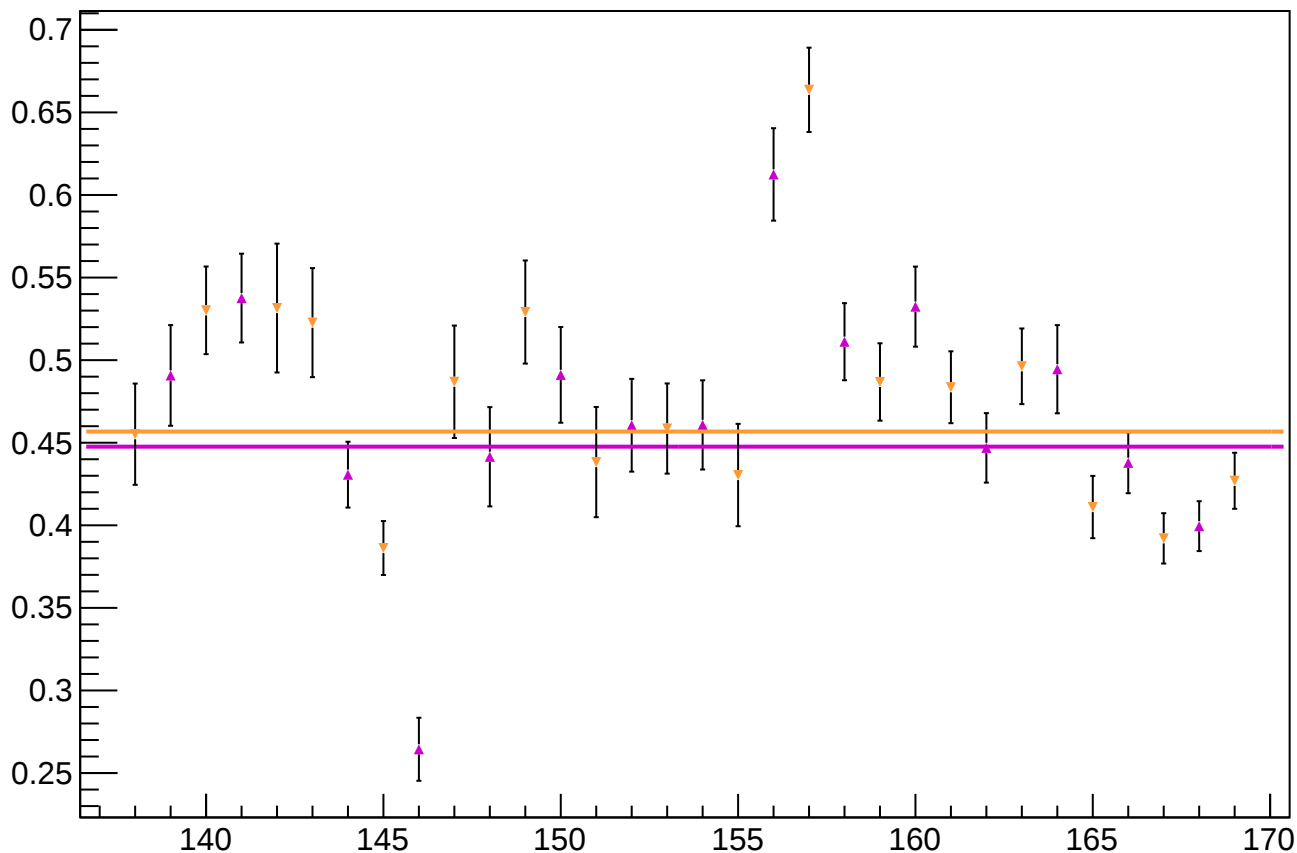
Left In: -14.833+/-0.126 χ^2/NDF : 1709.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.125+/-0.088 χ^2/NDF : 3451.9/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

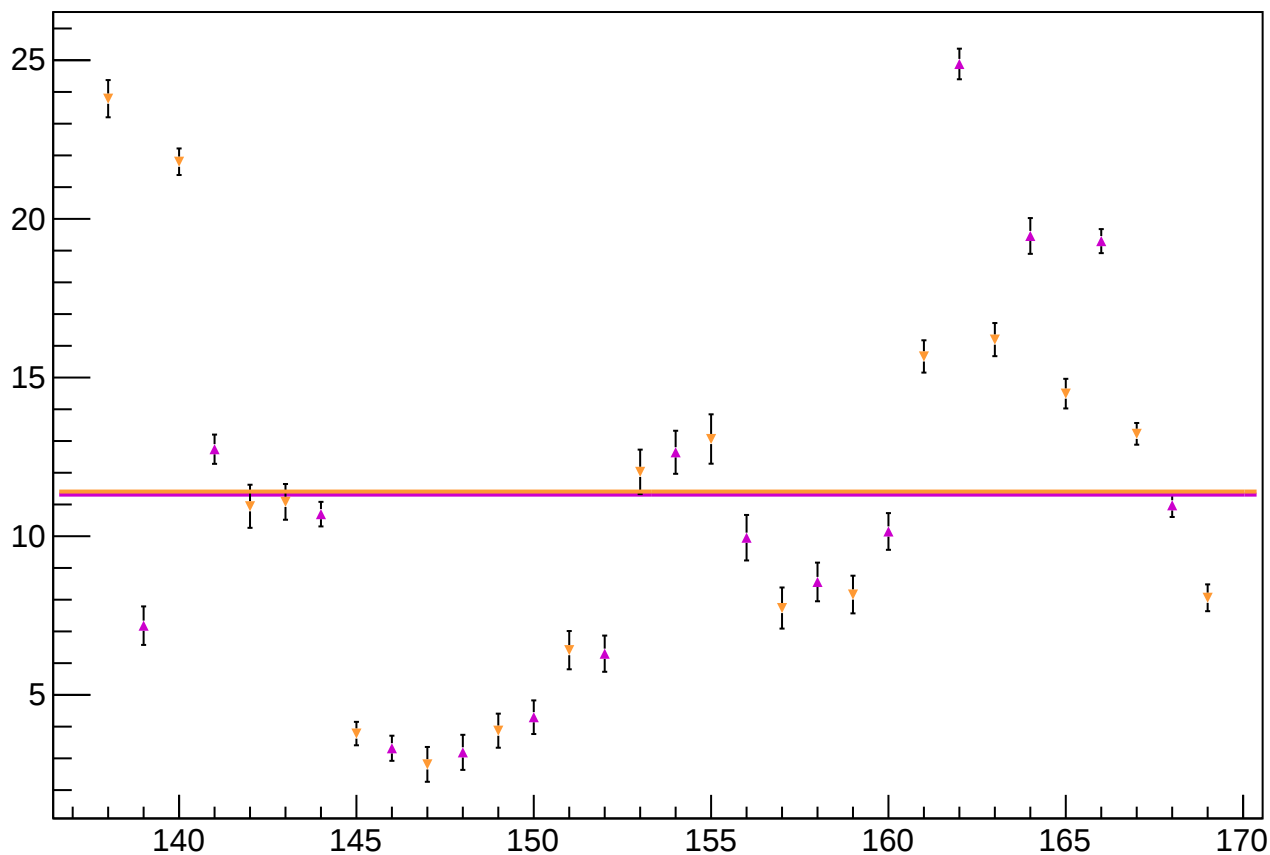
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.457 $\pm$ 0.006 χ^2 /NDF:140.0/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.448 $\pm$ 0.006 χ^2 /NDF:176.7/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.452 $\pm$ 0.004 χ^2 /NDF: 317.9/31
 - 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: 11.407+/-0.123 χ^2/NDF :2356.5/16

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

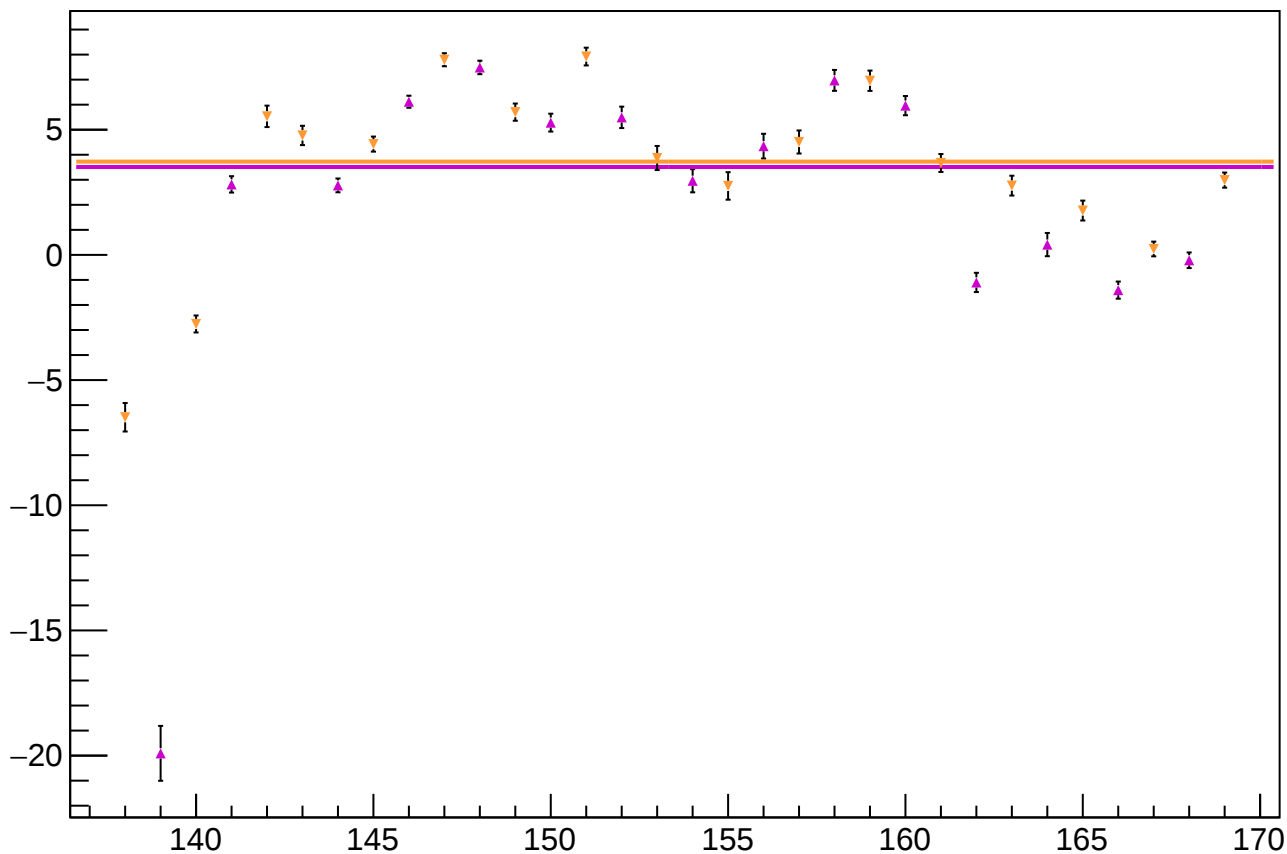
Left In: 11.311+/-0.127 χ^2/NDF :2413.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 11.361+/-0.088 χ^2/NDF : 4770.3/31

- 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: 3.726 $\pm$ 0.089 χ^2 /NDF:1380.1/16

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

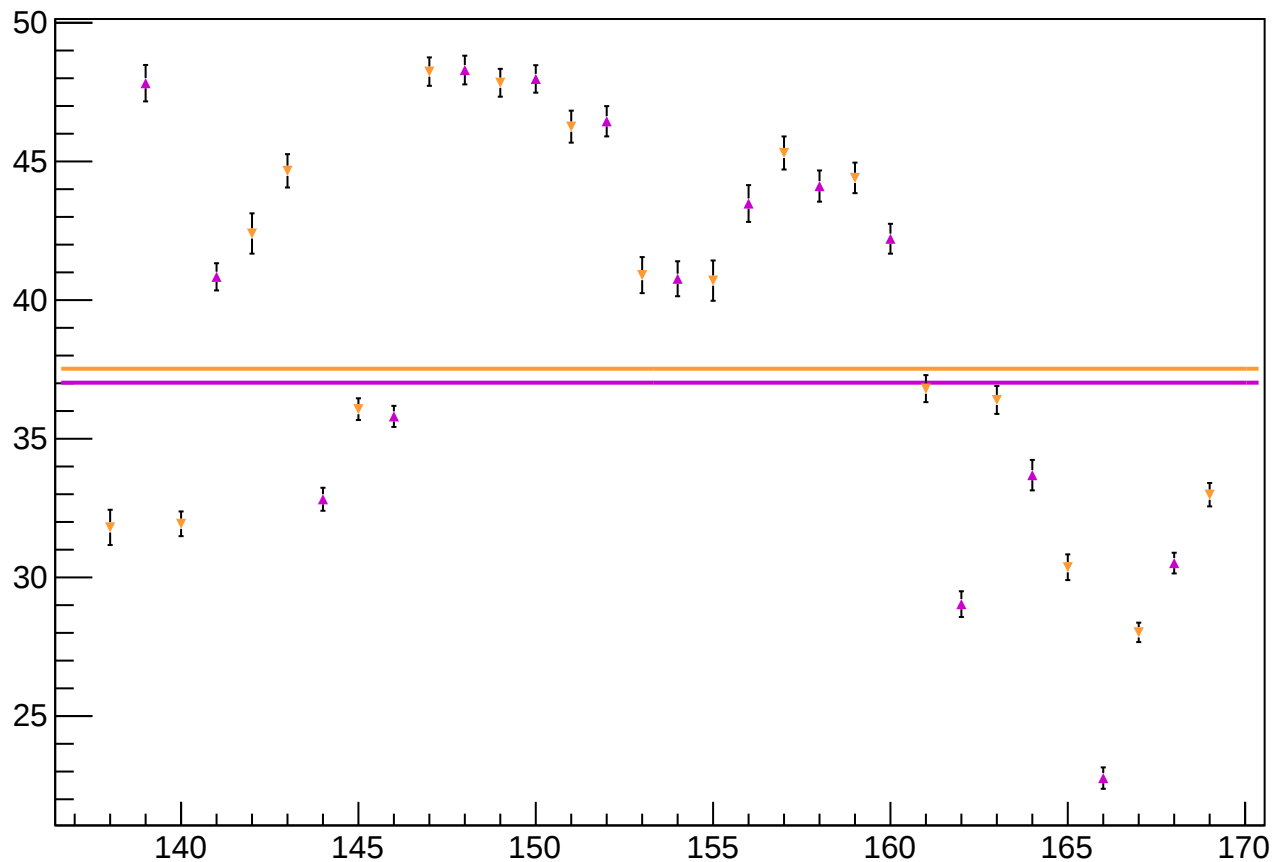
Left In: 3.511 $\pm$ 0.092 χ^2 /NDF:1499.8/14

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

All: 3.623 $\pm$ 0.064 χ^2 /NDF: 2882.7/31

- 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 37.525 $\pm$ 0.123 χ^2 /NDF:2996.4/16

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

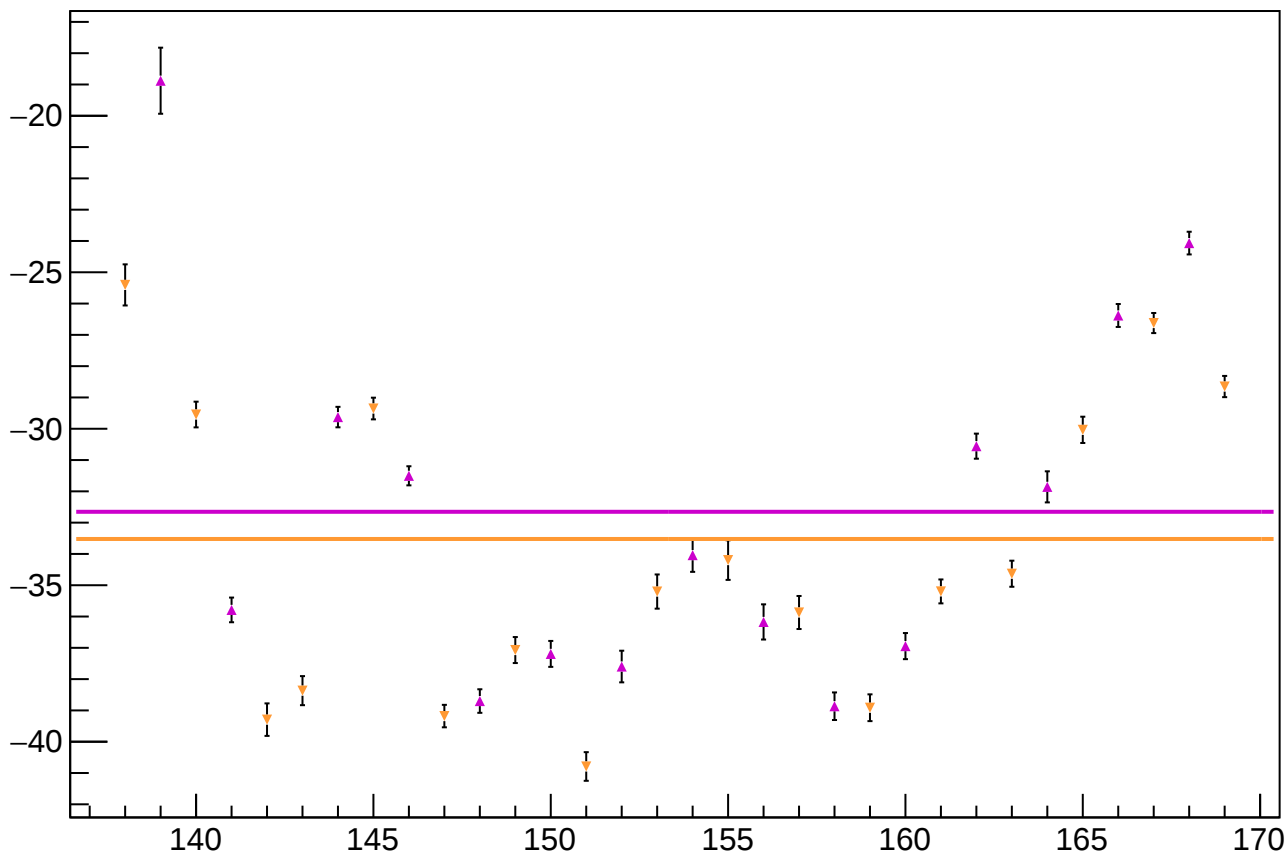
Left In: 37.023 $\pm$ 0.125 χ^2 /NDF:4089.4/14

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

All: 37.279 $\pm$ 0.088 χ^2 /NDF: 7094.0/31

- sign 0.000 $\pm$ 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: -33.522+/-0.103 χ^2/NDF : 2150.0/16

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

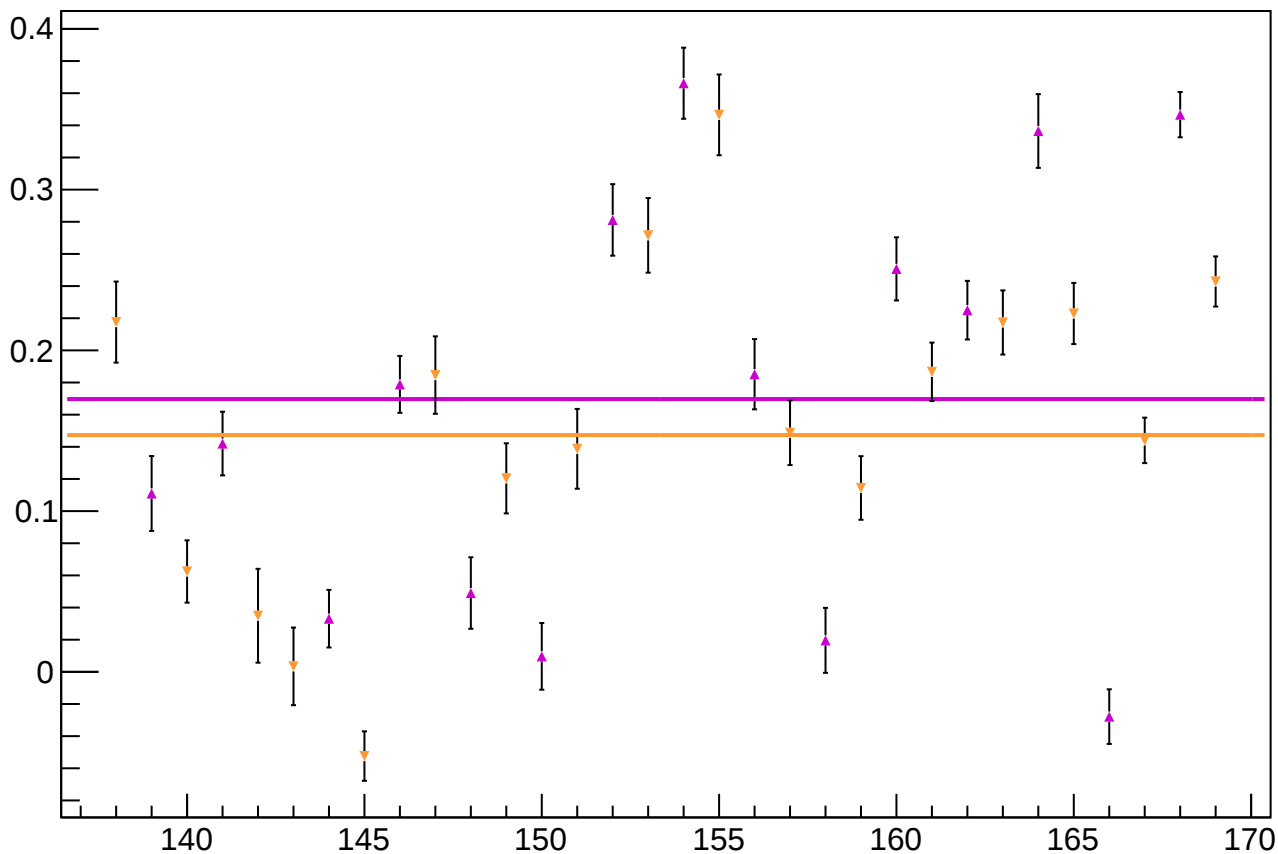
Left In: -32.653+/-0.107 χ^2/NDF : 2041.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -33.106+/-0.074 χ^2/NDF : 4225.9/31

- 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: 0.147 $\pm$ 0.005 χ^2 /NDF:414.6/16

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

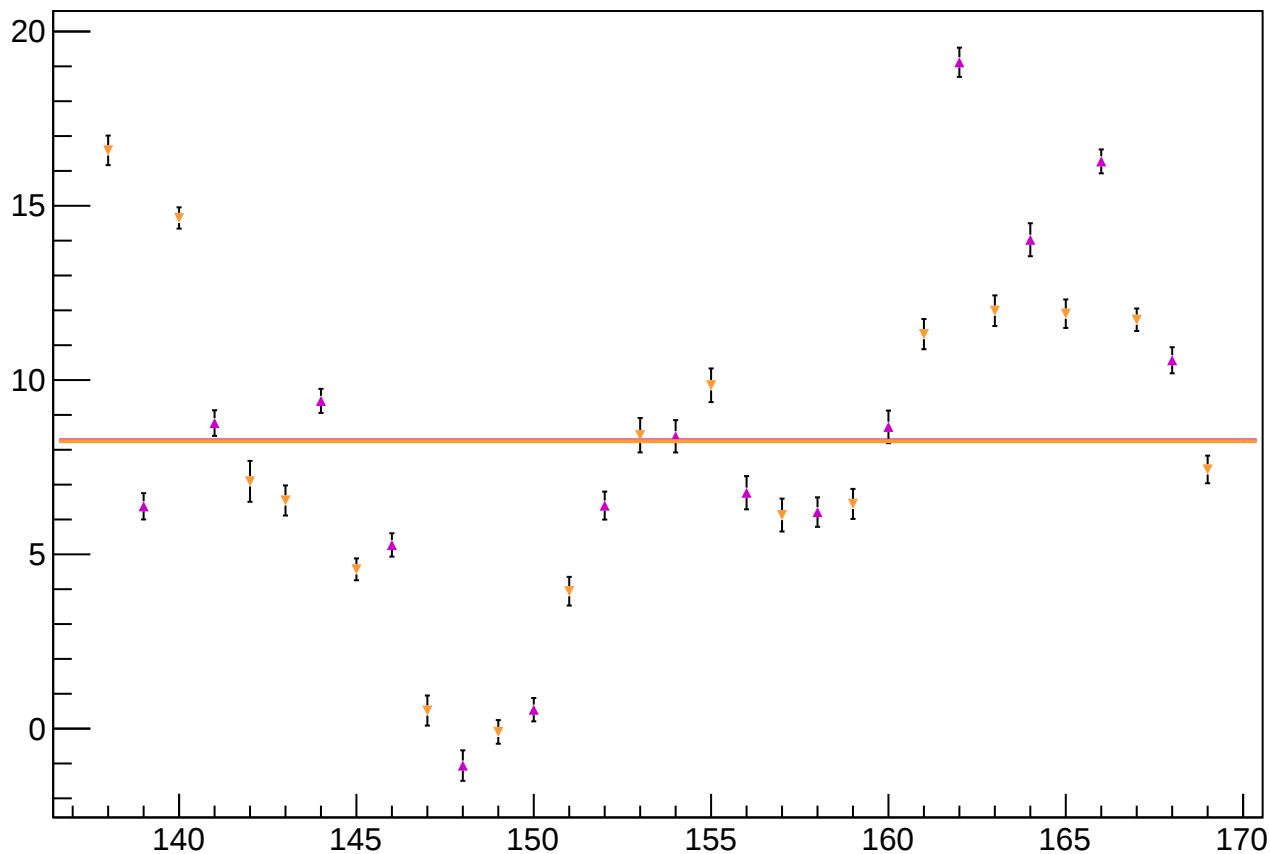
Left In: 0.170 $\pm$ 0.005 χ^2 /NDF:687.3/14

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

All: 0.158 $\pm$ 0.003 χ^2 /NDF: 1112.2/31

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

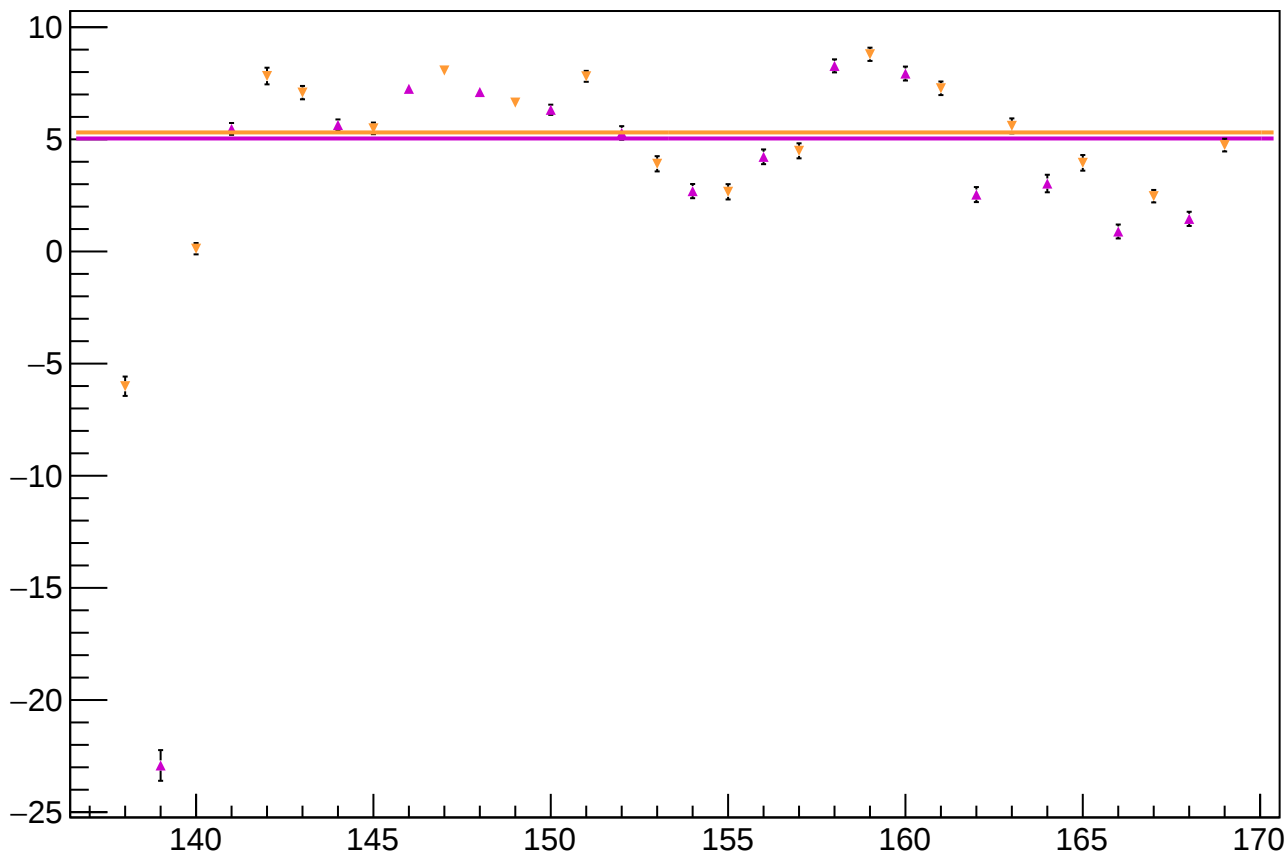
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.247+/-0.097 χ^2/NDF : 2392.8/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.268+/-0.101 χ^2/NDF : 2560.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 8.257+/-0.070 χ^2/NDF : 4953.4/31
 - 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 5.308 $\pm$ 0.070 χ^2 /NDF:1898.2/16

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

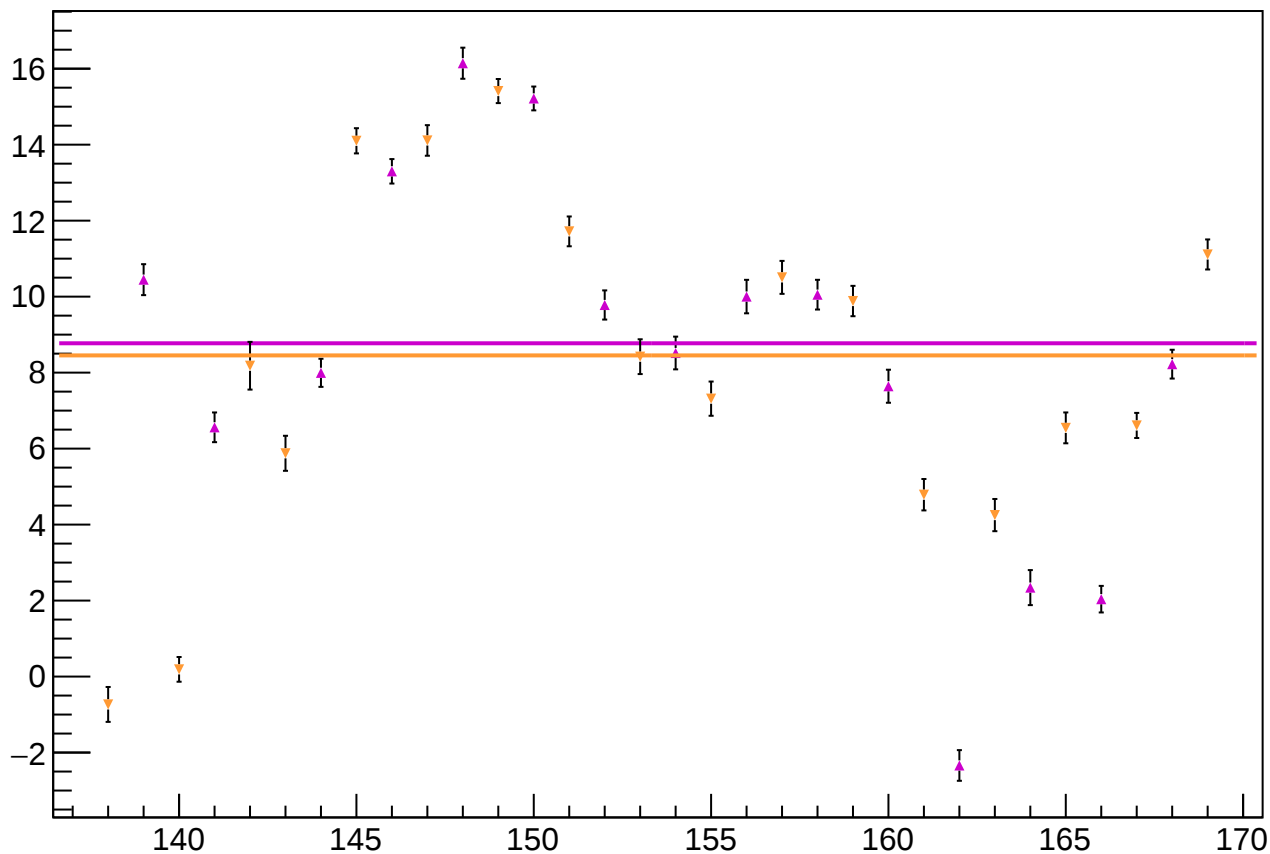
Left In: 5.038 $\pm$ 0.074 χ^2 /NDF:2569.0/14

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

All: 5.181 $\pm$ 0.051 χ^2 /NDF: 4474.3/31

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

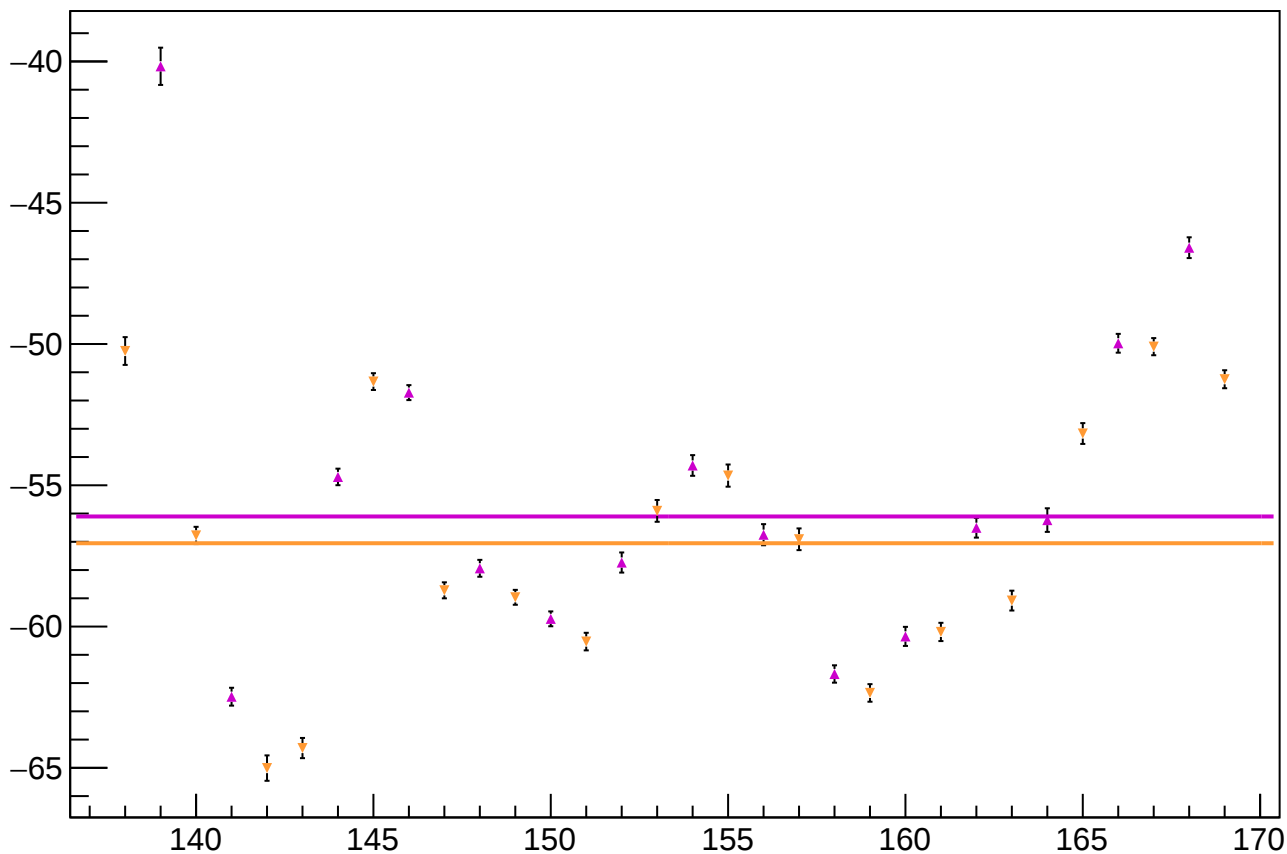
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.453+/-0.096 χ^2/NDF :2431.7/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.772+/-0.100 χ^2/NDF :2355.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 8.608+/-0.069 χ^2/NDF : 4792.4/31
 - 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -57.051+/-0.081 χ^2/NDF : 2932.4/16

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

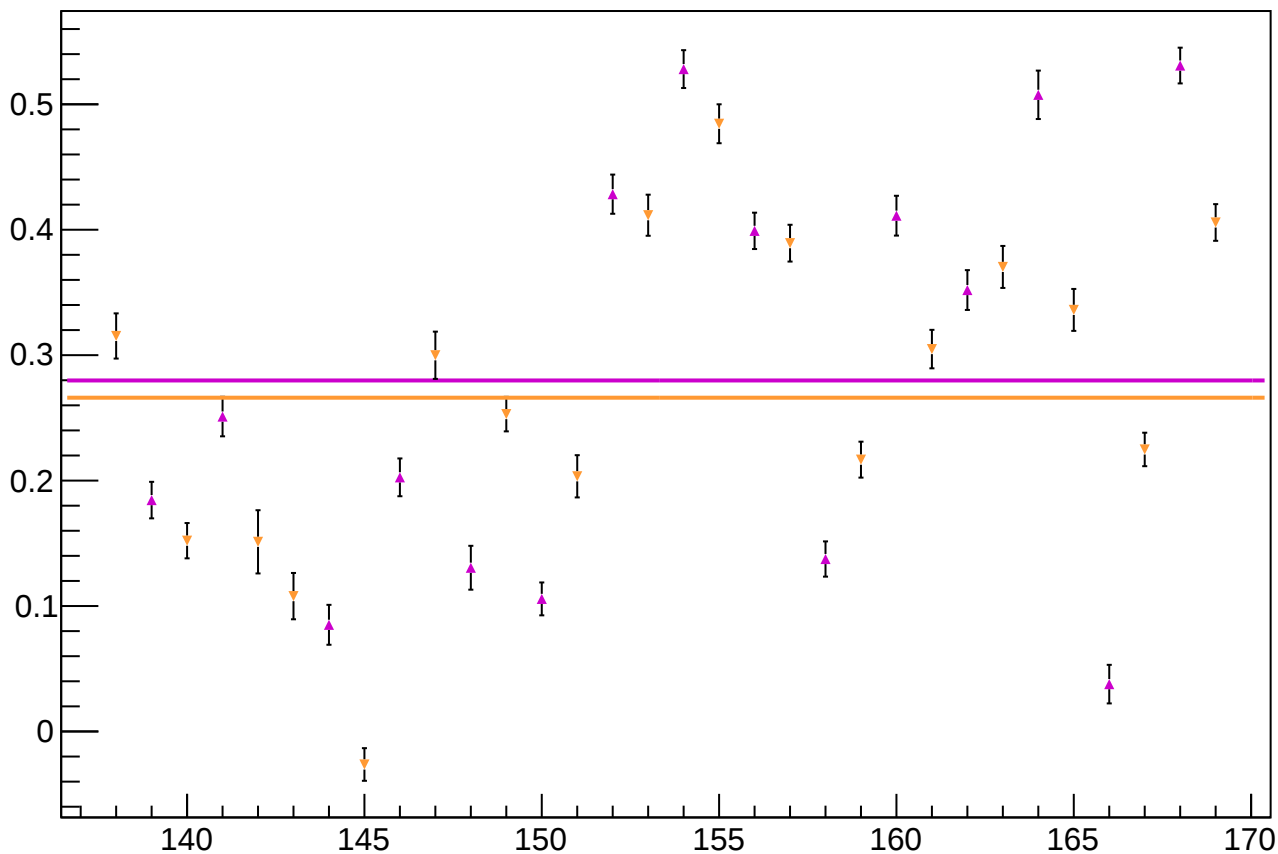
Left In: -56.104+/-0.086 χ^2/NDF : 3060.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -56.604+/-0.059 χ^2/NDF : 6057.2/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

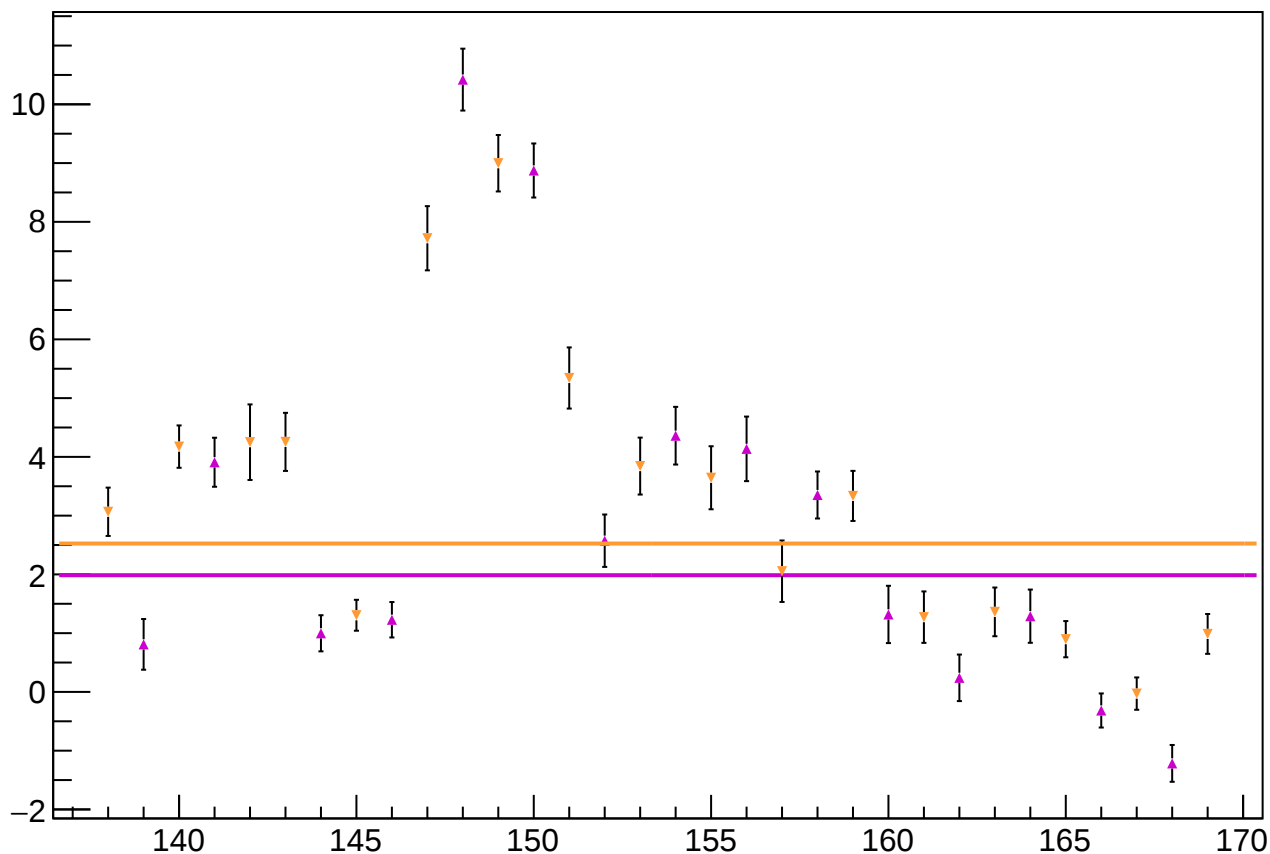
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.266 $\pm$ 0.004 χ^2 /NDF:1213.3/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.280 $\pm$ 0.004 χ^2 /NDF:1789.7/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.273 $\pm$ 0.003 χ^2 /NDF: 3009.3/31
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

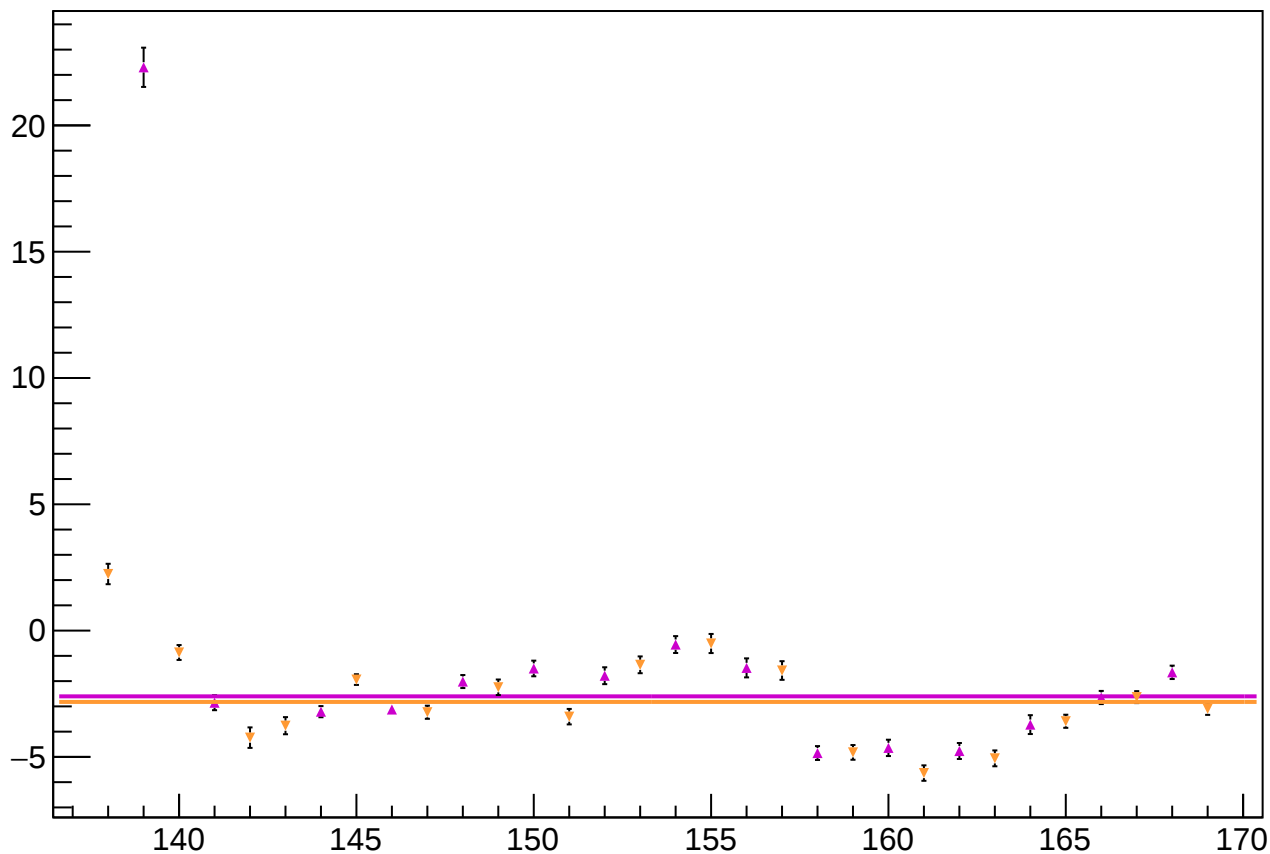
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.525 $\pm$ 0.097 χ^2 /NDF:531.6/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.986 $\pm$ 0.101 χ^2 /NDF:769.3/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 2.268 $\pm$ 0.070 χ^2 /NDF: 1315.7/31
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

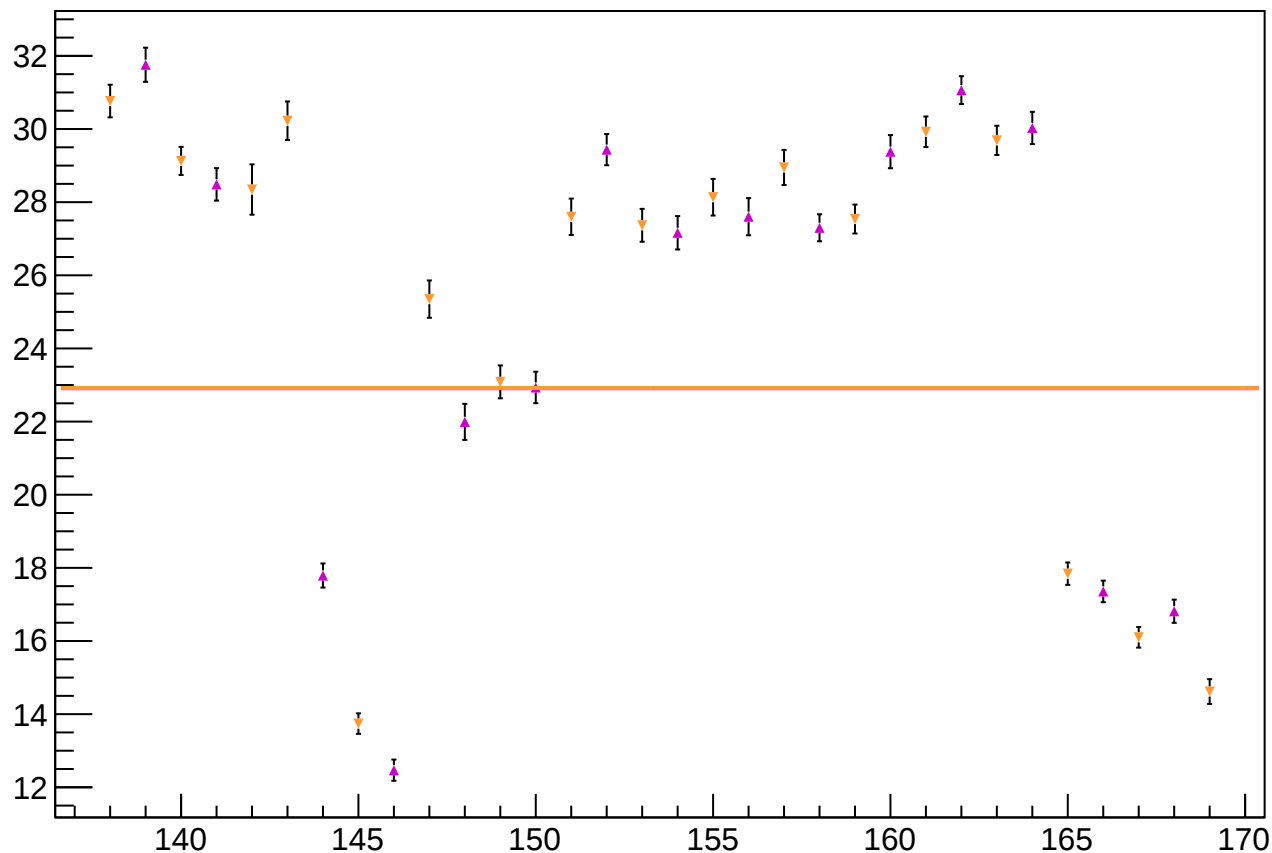
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -2.824+/-0.071 χ^2/NDF : 509.2/16
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -2.603+/-0.075 χ^2/NDF : 1288.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: -2.718+/-0.052 χ^2/NDF : 1801.8/31
- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 22.919+/-0.097 χ^2/NDF : 4537.5/16

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

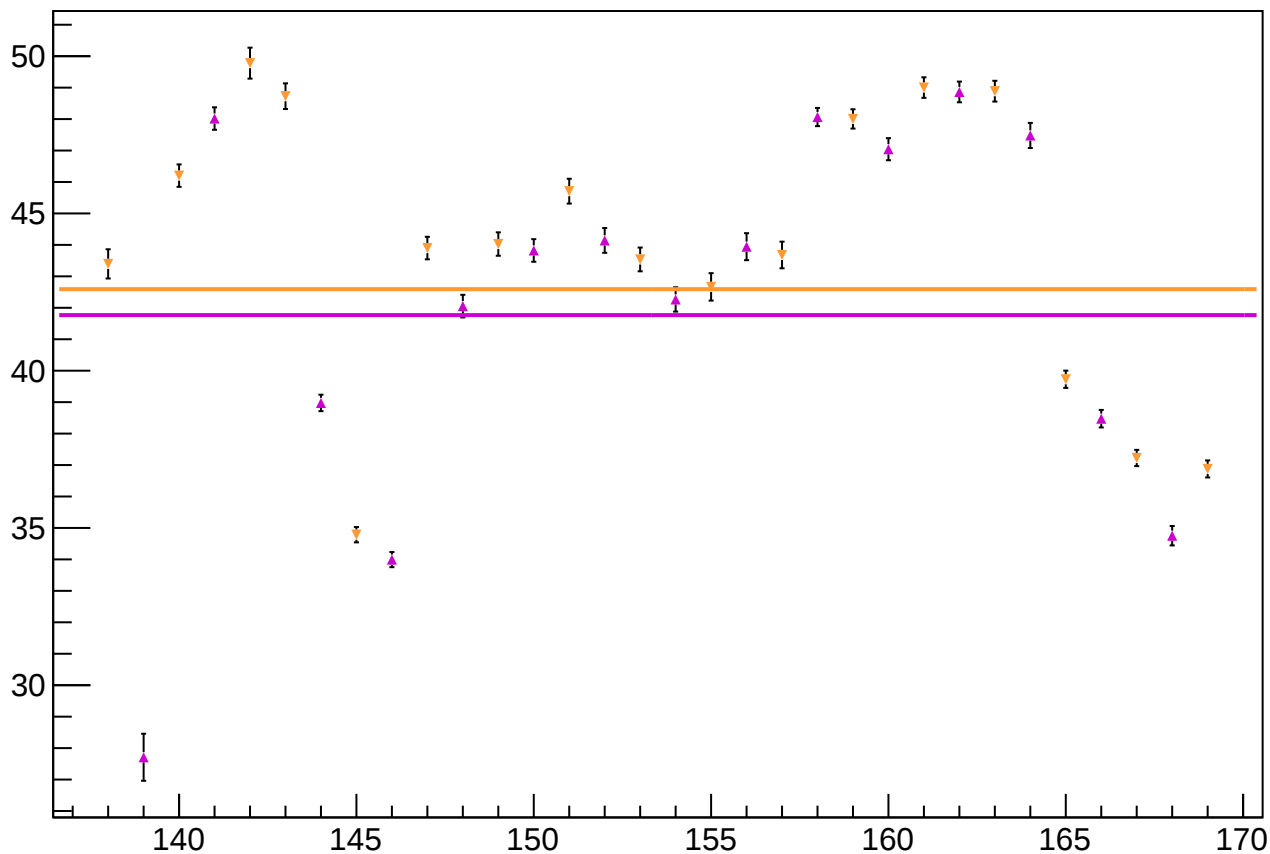
Left In: 22.913+/-0.100 χ^2/NDF : 4251.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 22.916+/-0.070 χ^2/NDF : 8788.7/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 42.593 $\pm$ 0.082 χ^2 /NDF:3715.7/16

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

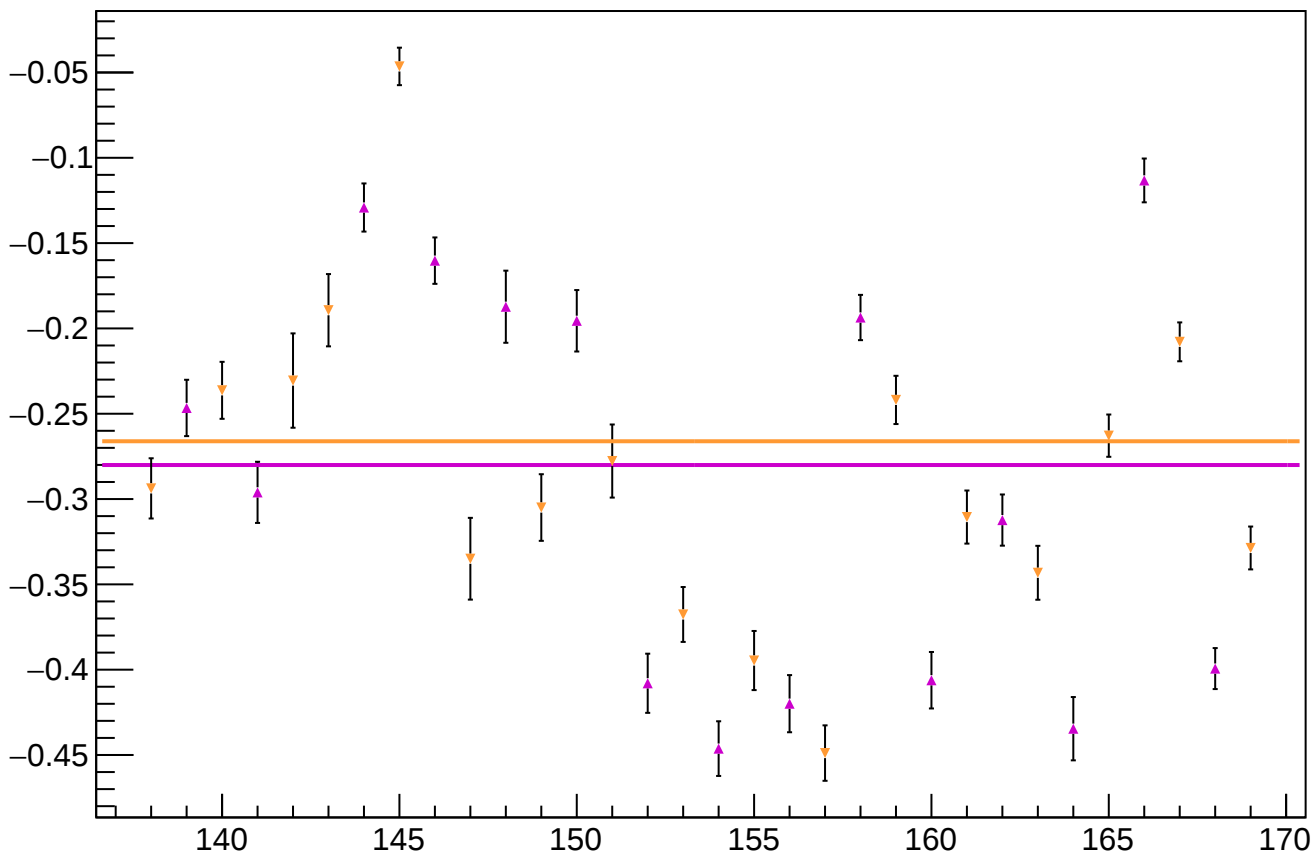
Left In: 41.767 $\pm$ 0.086 χ^2 /NDF:3939.4/14

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

All: 42.202 $\pm$ 0.059 χ^2 /NDF: 7703.4/31

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

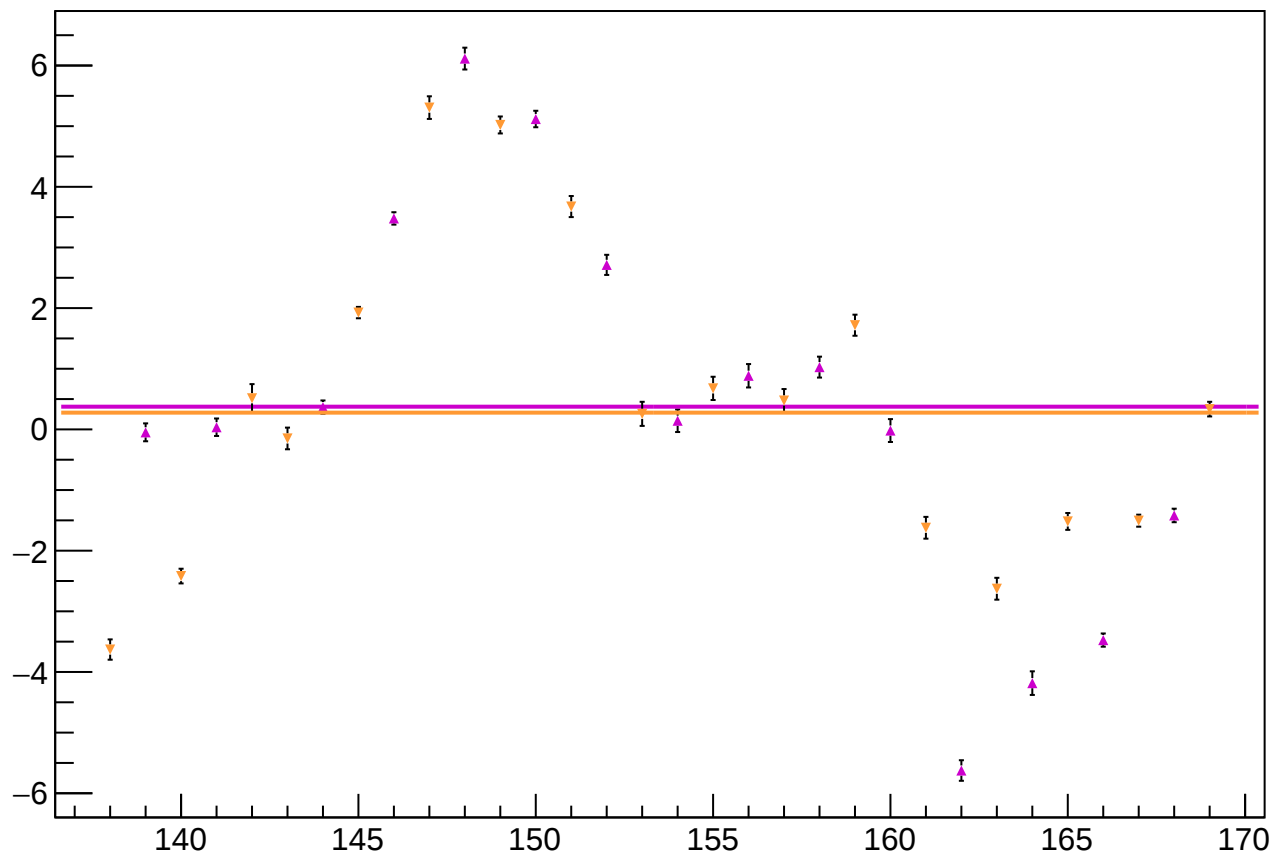
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.266+/-0.004 χ^2/NDF : 740.3/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.280+/-0.004 χ^2/NDF : 912.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -0.273+/-0.003 χ^2/NDF : 1658.7/31
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

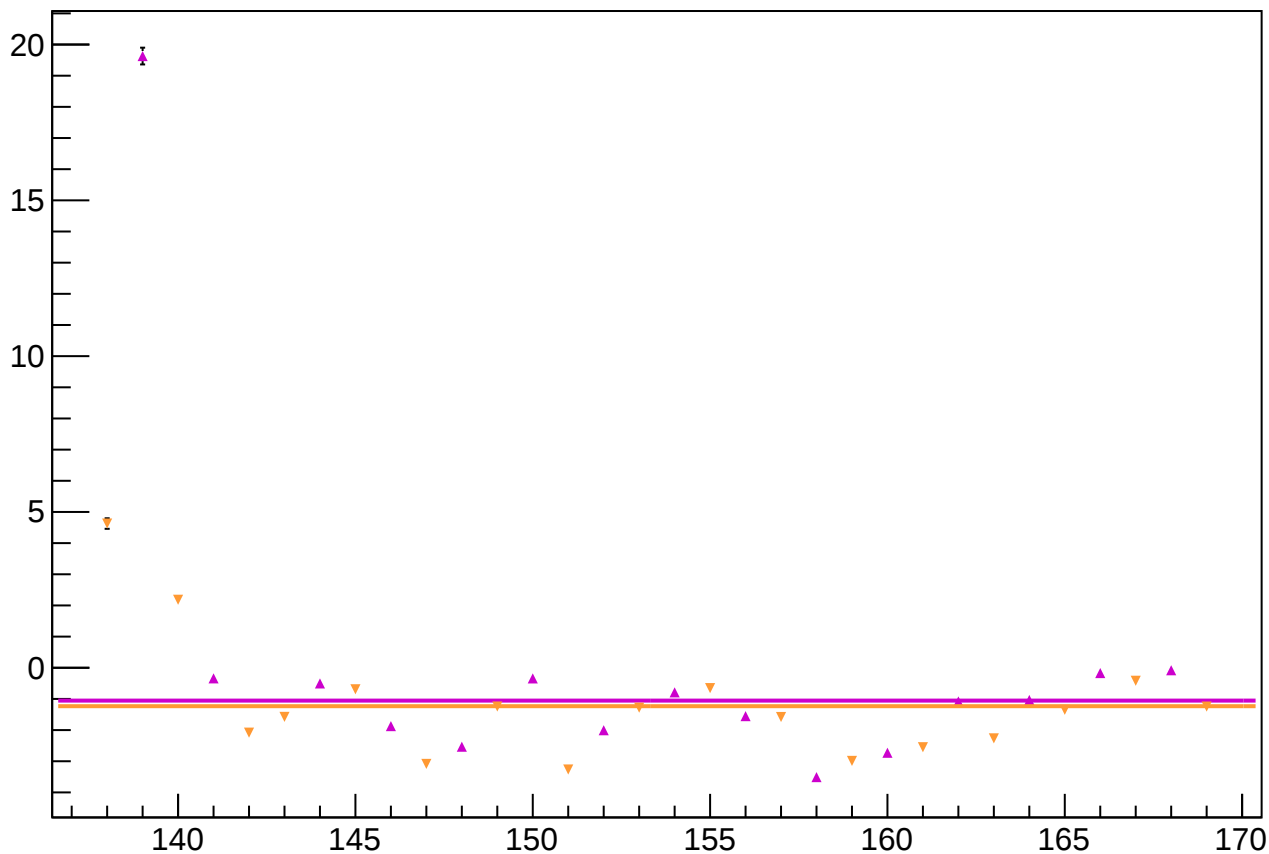
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.276+/-0.036 χ^2/NDF :4545.6/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.375+/-0.037 χ^2/NDF :6701.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.324+/-0.026 χ^2/NDF : 11250.9/31
 - 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: -1.233+/-0.026 χ^2/NDF : 3775.6/16

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

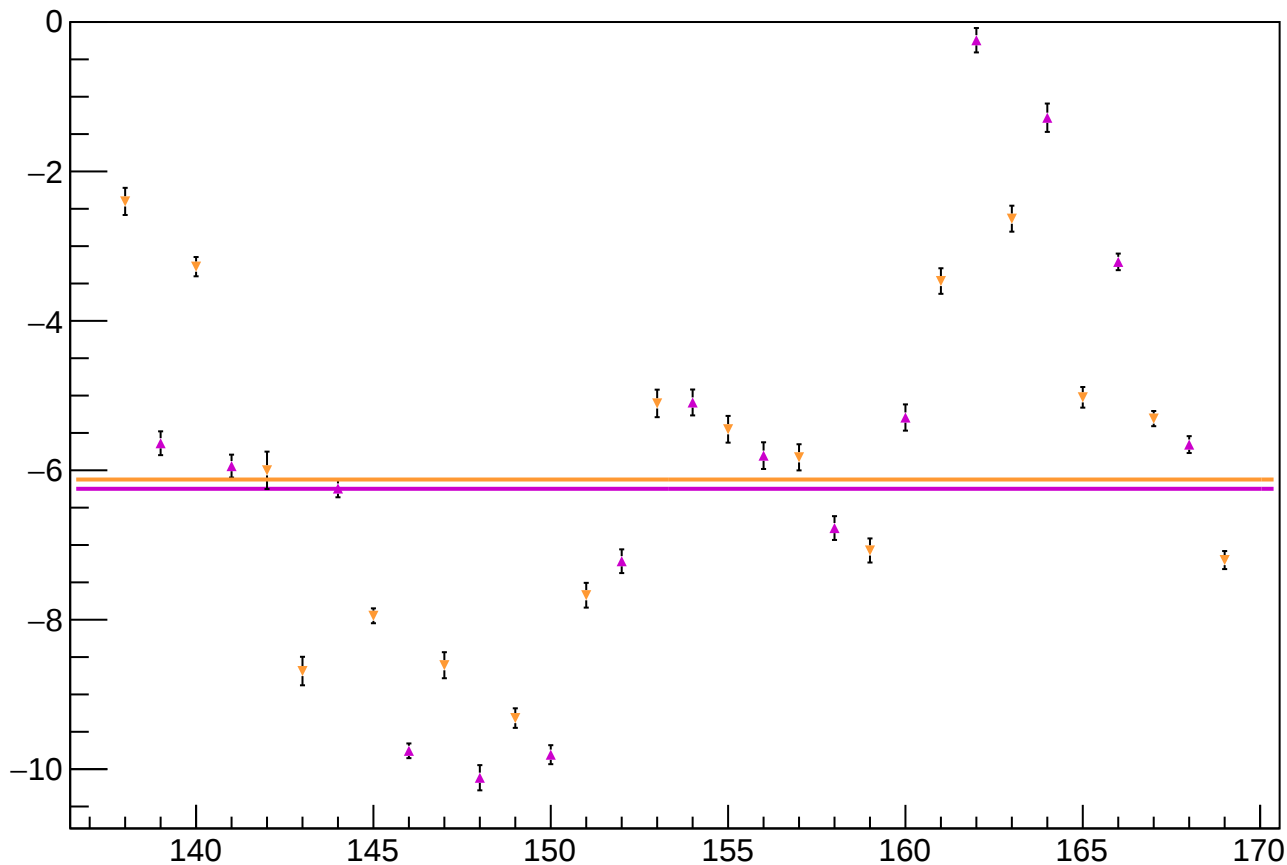
Left In: -1.054+/-0.027 χ^2/NDF : 7367.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1.146+/-0.019 χ^2/NDF : 11165.8/31

- 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: -6.123 $\pm$ 0.036 χ^2 /NDF: 3243.3/16

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

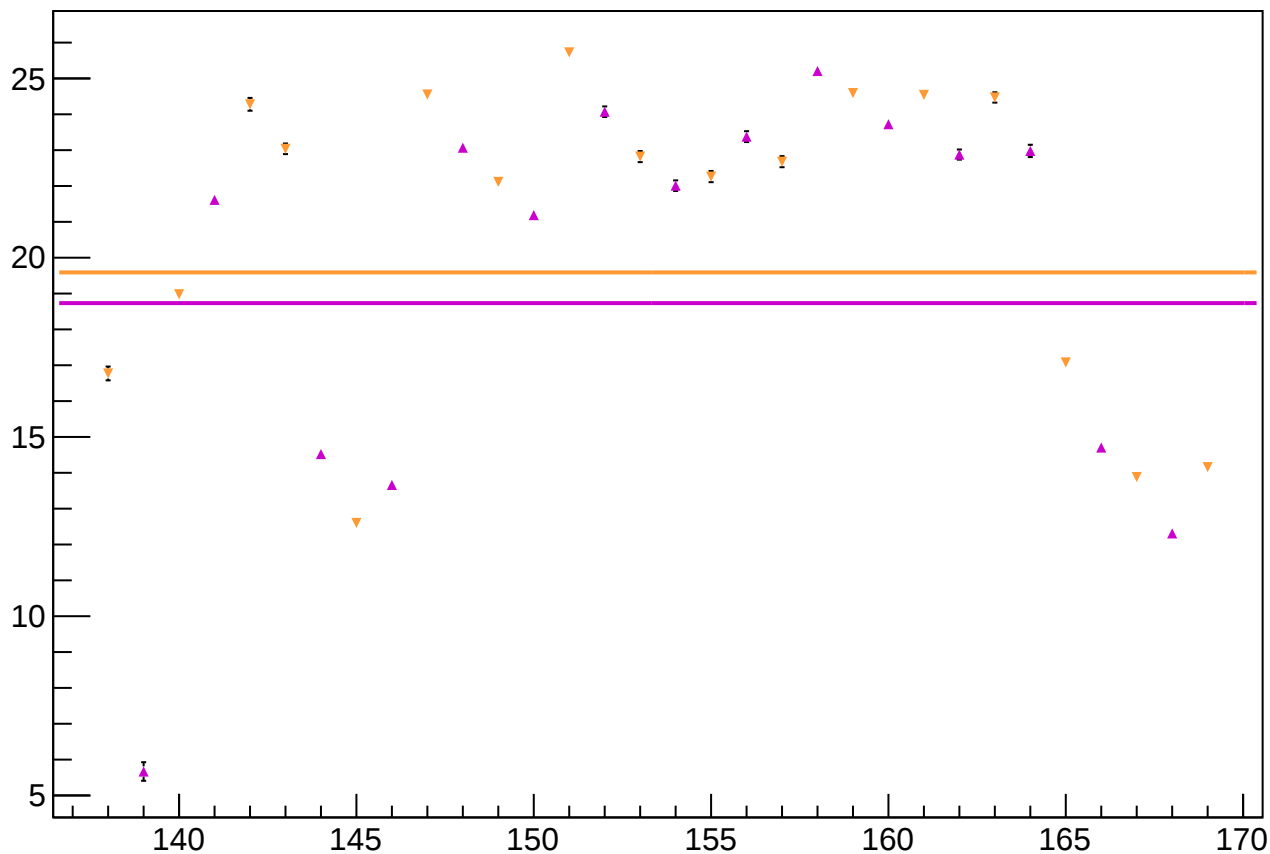
Left In: -6.248 $\pm$ 0.036 χ^2 /NDF: 5537.5/14

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

All: -6.185 $\pm$ 0.026 χ^2 /NDF: 8786.8/31

- 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: 19.590+/-0.030 χ^2/NDF : 24606.1/16

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

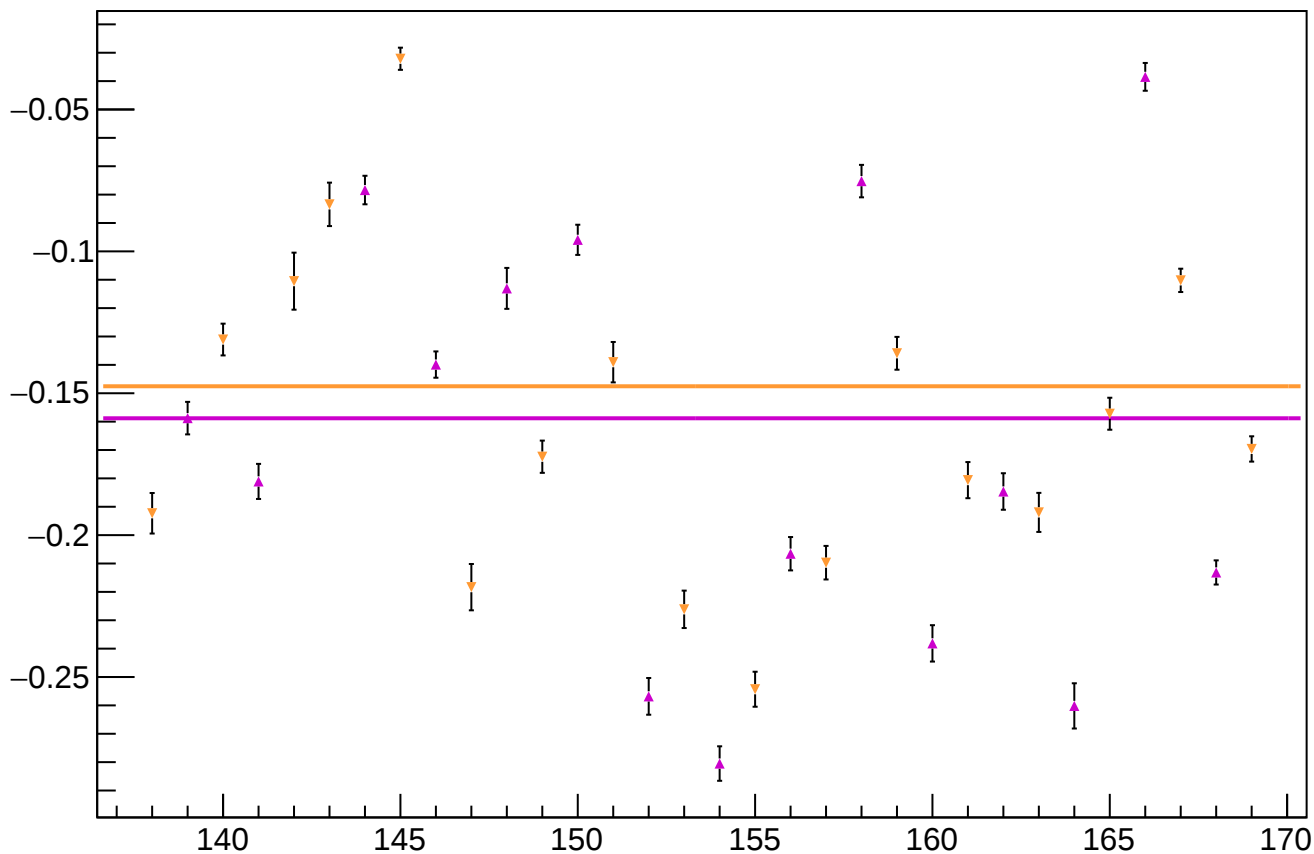
Left In: 18.734+/-0.032 χ^2/NDF : 23812.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 19.178+/-0.022 χ^2/NDF : 48801.8/31

- 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.148 $\pm$ 0.001 χ^2 /NDF:1834.7/16

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

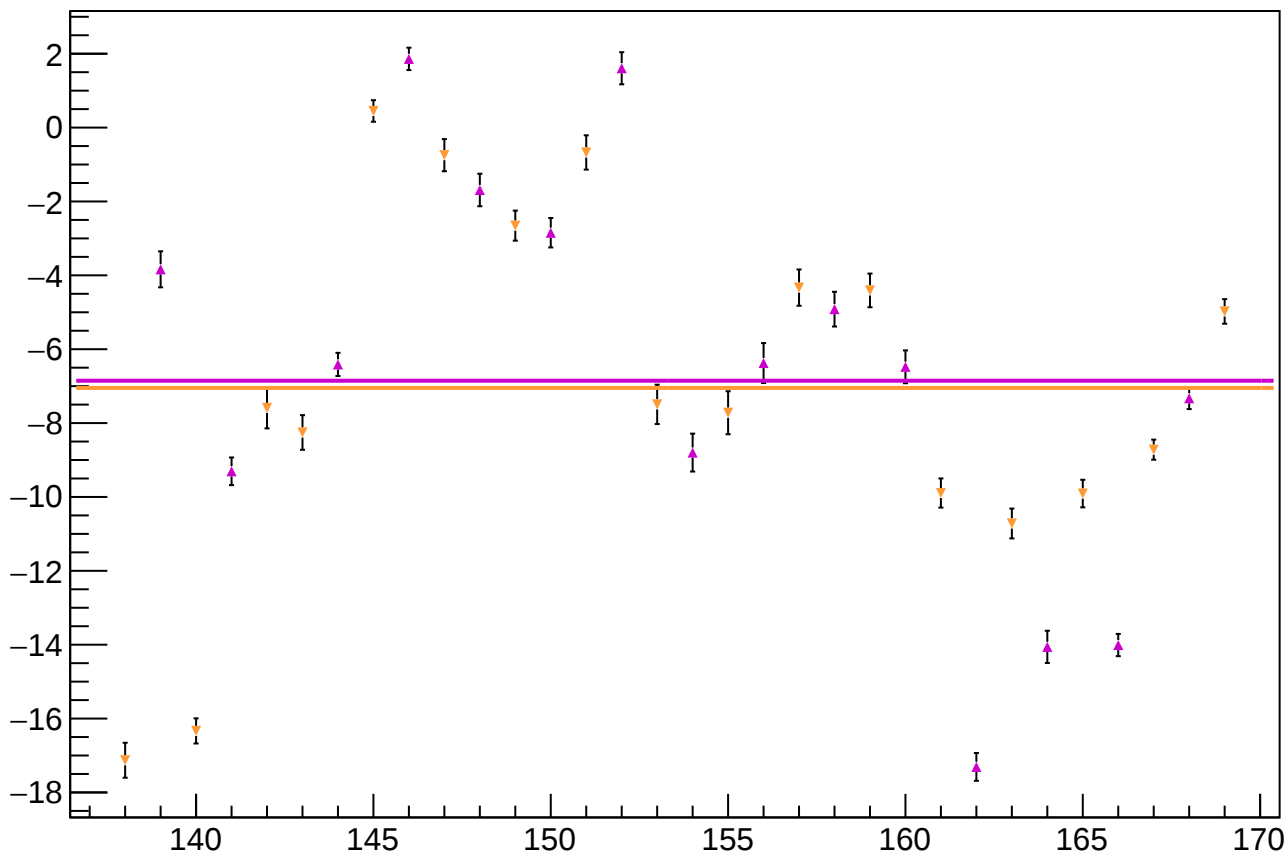
Left In: -0.159 $\pm$ 0.001 χ^2 /NDF:2472.0/14

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

All: -0.153 $\pm$ 0.001 χ^2 /NDF: 4337.6/31

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

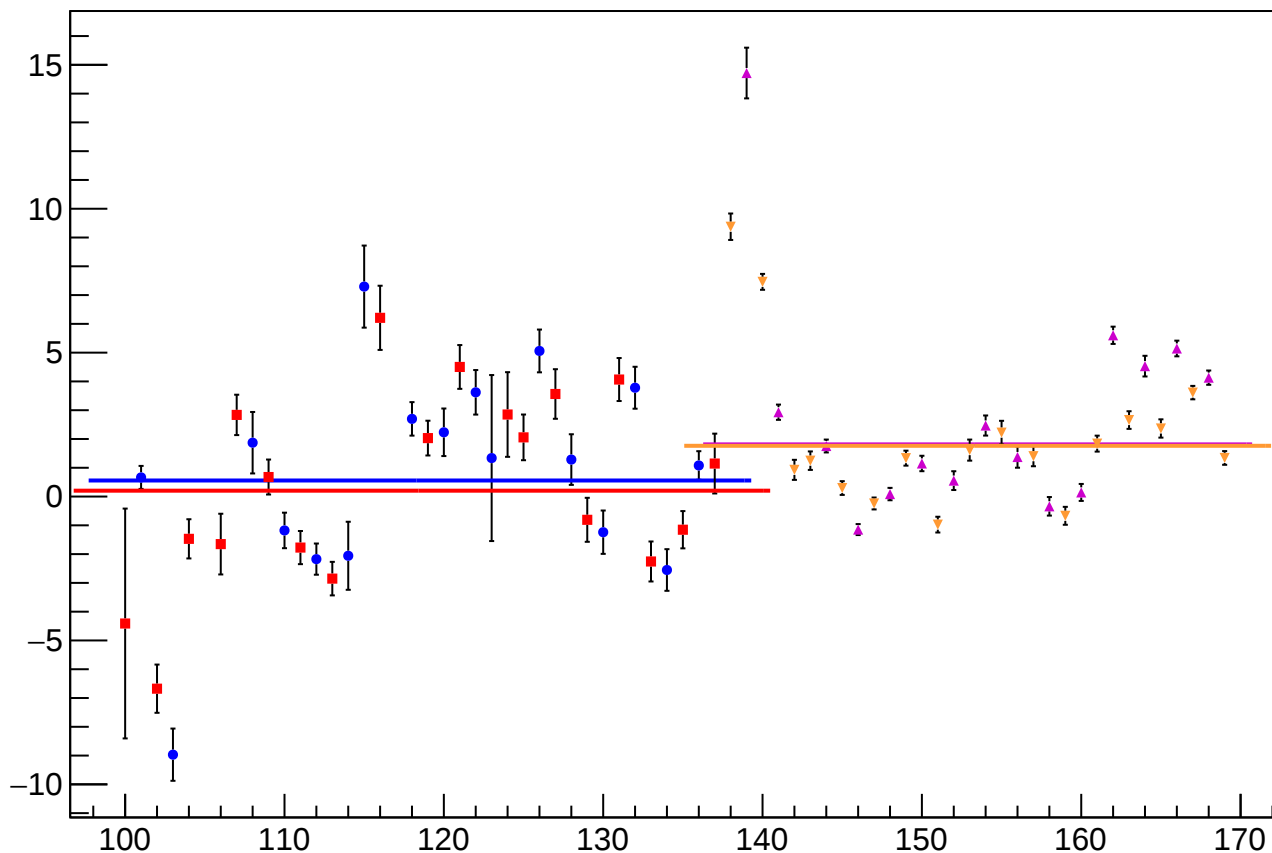
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.048+/-0.097 χ^2/NDF : 2716.8/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.853+/-0.100 χ^2/NDF : 3167.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -6.953+/-0.069 χ^2/NDF : 5886.2/31
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.763 ± 0.070 χ^2/NDF : 1083.6/16

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

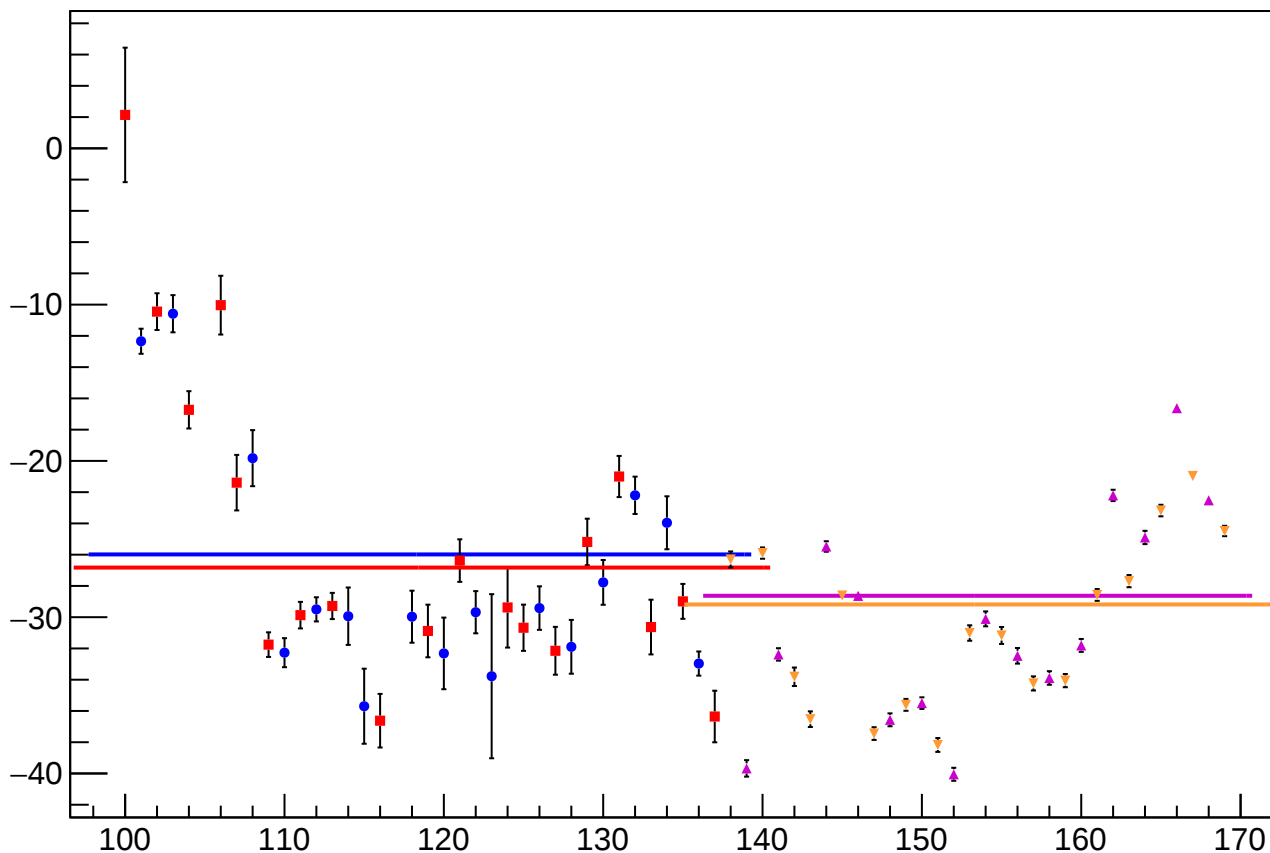
Left In: 1.812 ± 0.072 χ^2/NDF : 1093.1/14

+ sign 1.590 ± 0.064 χ^2/NDF : 1414.5/33

All: 1.585 ± 0.046 χ^2/NDF : 2852.2/67

- sign 1.578 ± 0.067 χ^2/NDF : 1437.6/33

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 $\chi^2/\text{NDF}: 691.5/16$

Left Out: -29.186 ± 0.096 $\chi^2/\text{NDF}: 3140.9/16$

Right Out: -26.825 ± 0.298 $\chi^2/\text{NDF}: 581.6/18$

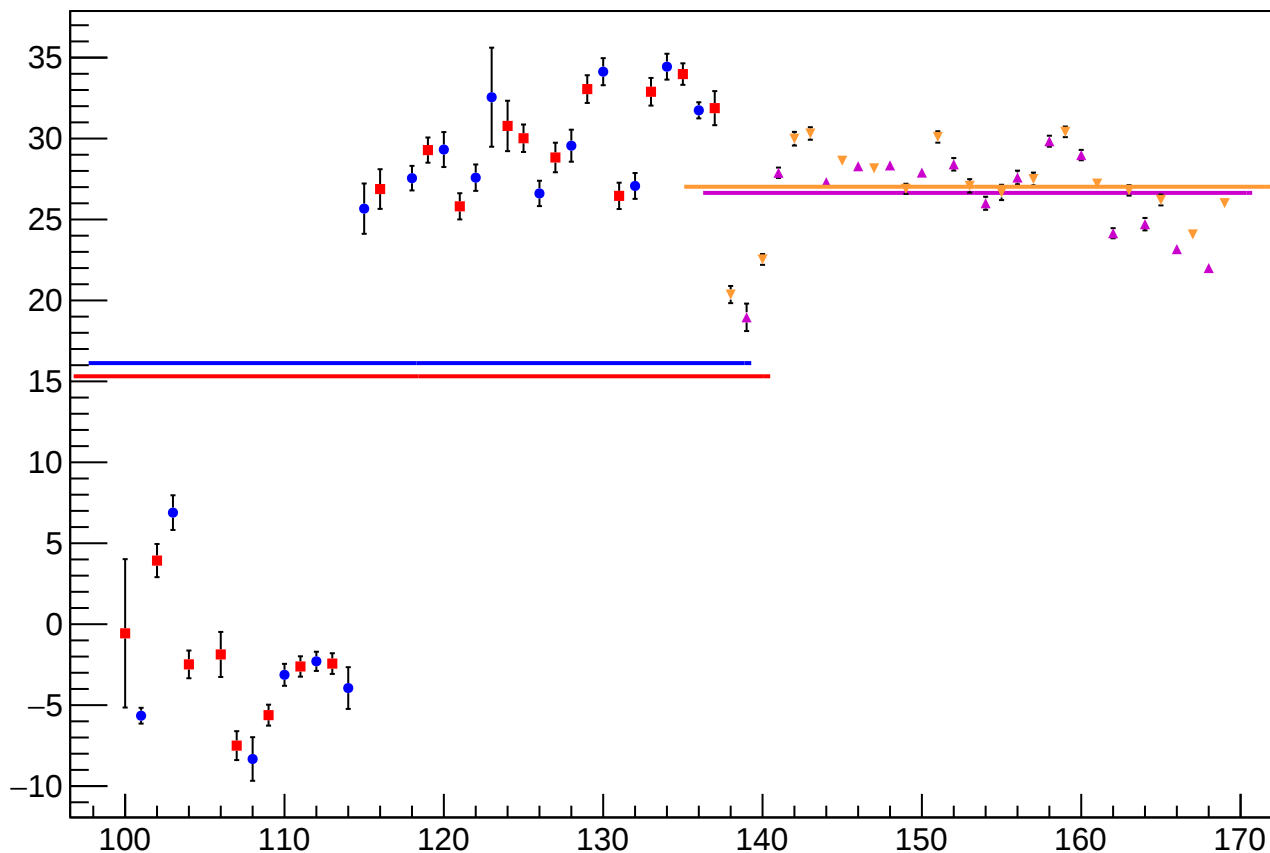
Left In: -28.629 ± 0.098 $\chi^2/\text{NDF}: 4693.4/14$

+ sign -28.887 ± 0.092 $\chi^2/\text{NDF}: 3935.3/33$

All: -28.673 ± 0.065 $\chi^2/\text{NDF}: 9254.4/67$

- sign -28.452 ± 0.093 $\chi^2/\text{NDF}: 5308.1/33$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 27.022 $\pm$ 0.081 χ^2 /NDF:849.8/16

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

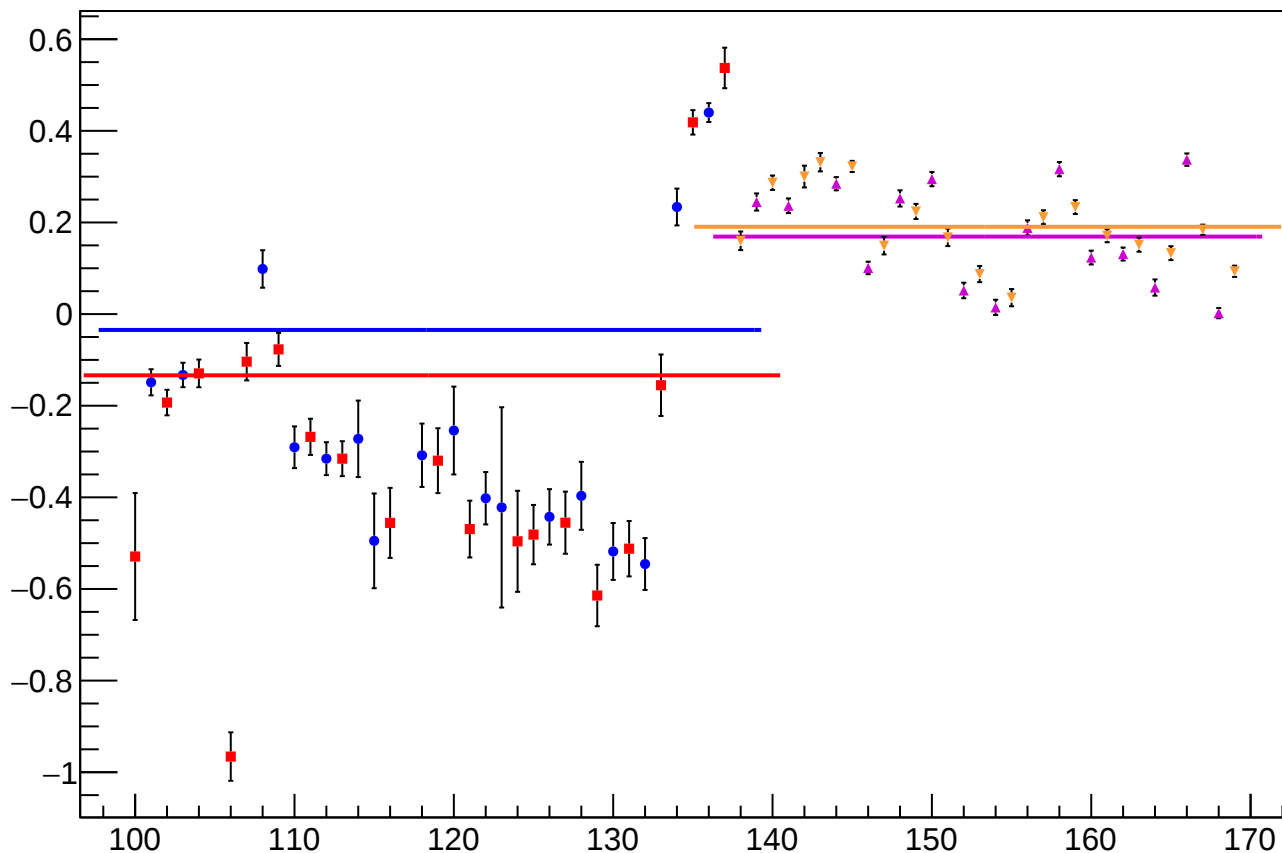
Left In: 26.643 $\pm$ 0.084 χ^2 /NDF:858.3/14

+ sign 25.387 $\pm$ 0.074 χ^2 /NDF: 11156.3/33

All: 25.153 $\pm$ 0.054 χ^2 /NDF: 22111.0/67

- sign 24.902 $\pm$ 0.077 χ^2 /NDF: 10934.3/33

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.191 ± 0.004 χ^2/NDF : 435.5/16

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

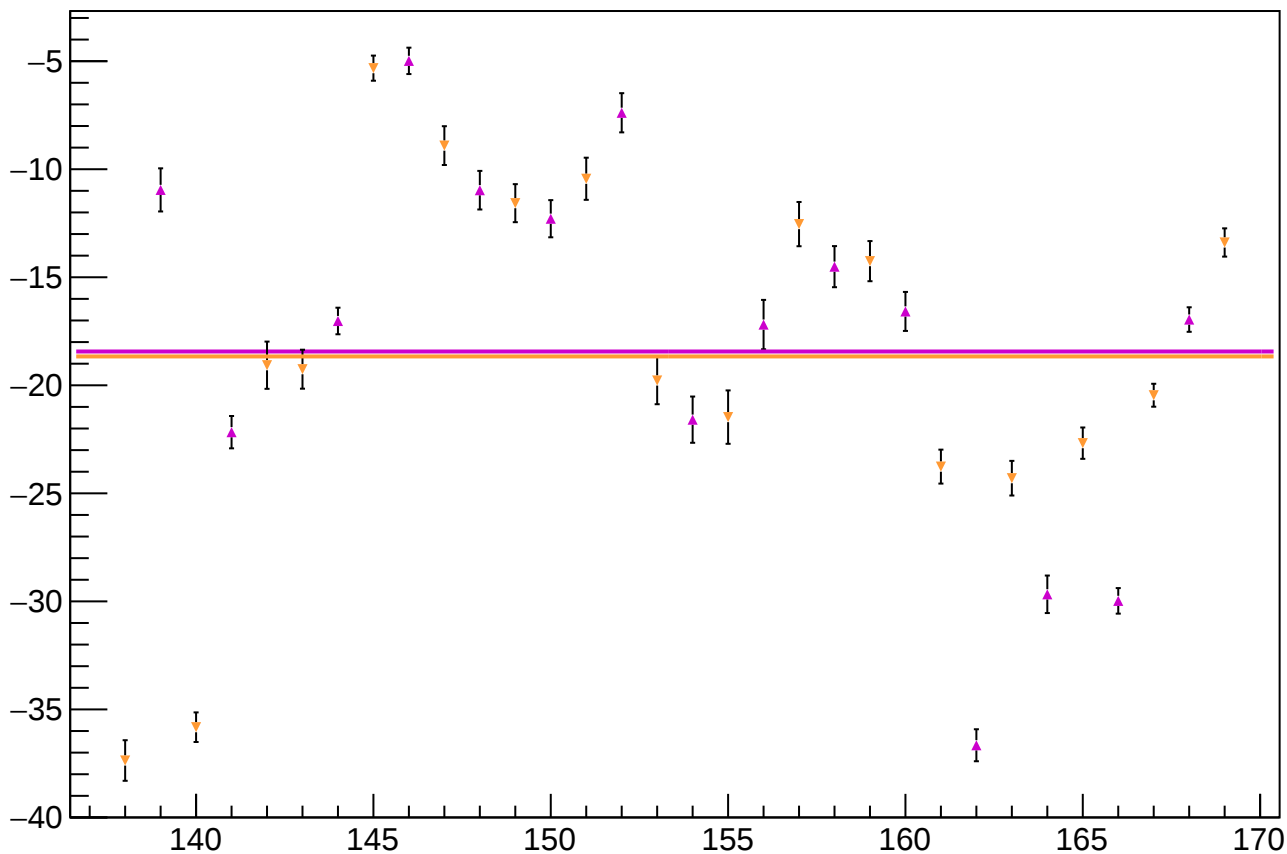
Left In: 0.169 ± 0.004 χ^2/NDF : 865.5/14

+ sign 0.164 ± 0.004 χ^2/NDF : 1865.4/33

All: 0.148 ± 0.003 χ^2/NDF : 4678.3/67

- sign 0.131 ± 0.004 χ^2/NDF : 2772.5/33

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -18.664+/-0.195 χ^2/NDF : 2068.4/16

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

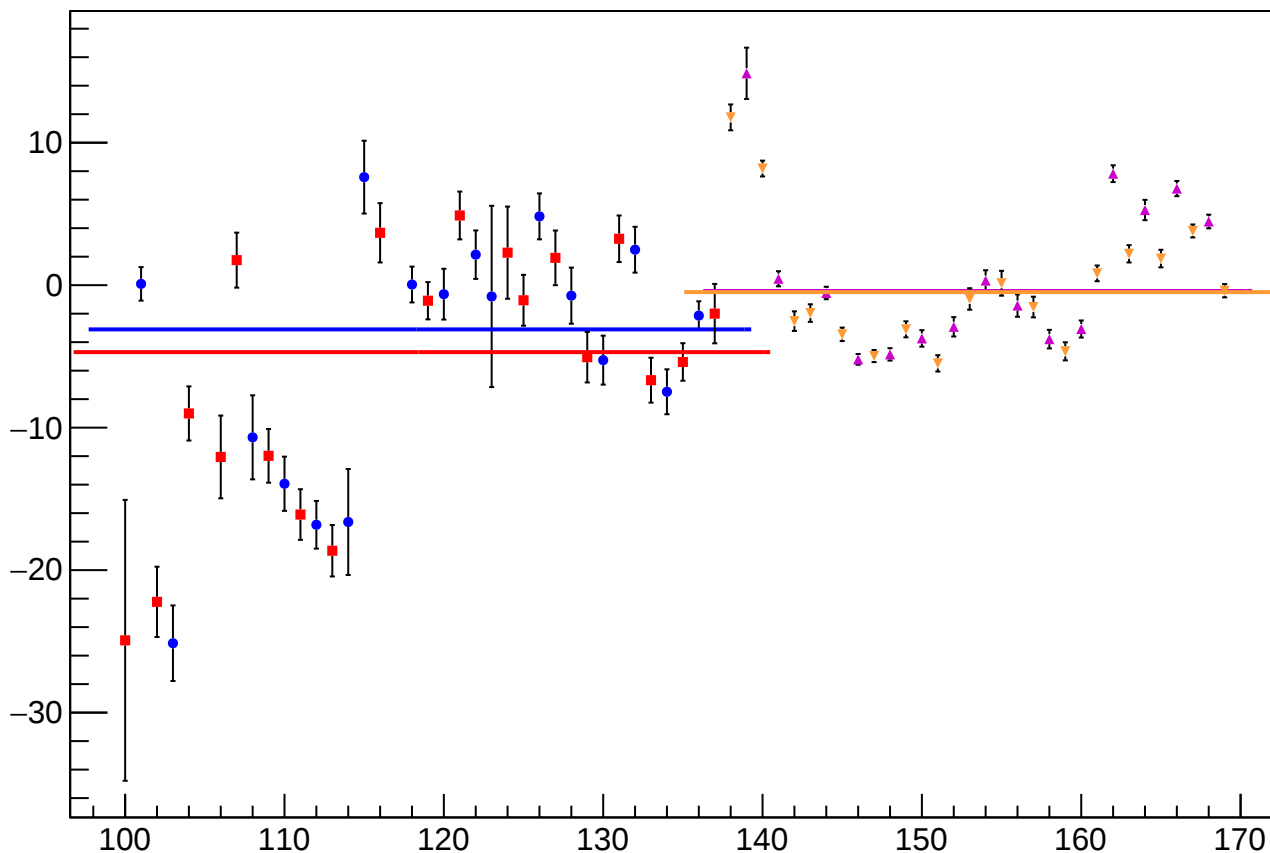
Left In: -18.436+/-0.200 χ^2/NDF : 2032.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -18.553+/-0.139 χ^2/NDF : 4101.8/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -0.488 ± 0.140 χ^2/NDF : 863.7/16

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

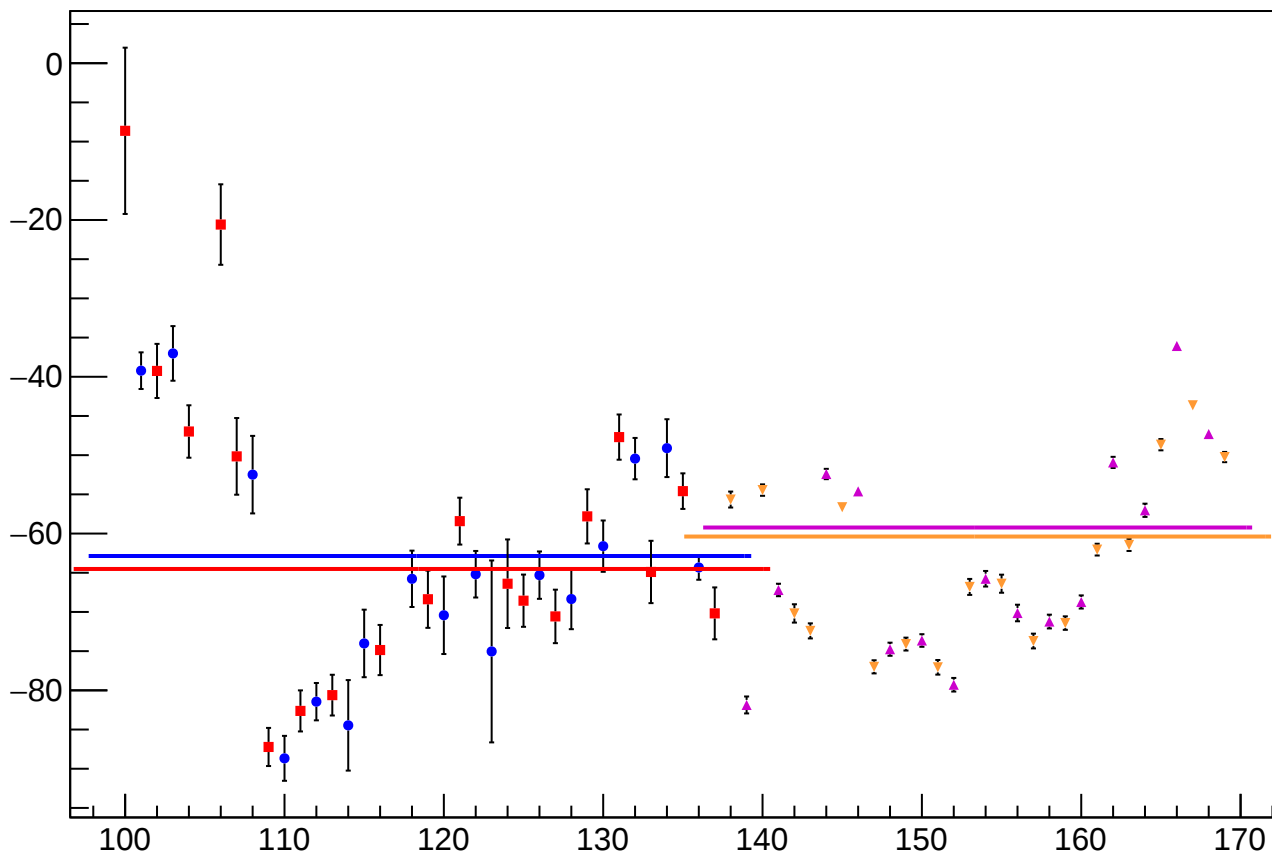
Left In: -0.411 ± 0.145 χ^2/NDF : 979.4/14

+ sign -0.760 ± 0.133 χ^2/NDF : 1179.2/33

All: -0.805 ± 0.095 χ^2/NDF : 2547.2/67

- sign -0.853 ± 0.137 χ^2/NDF : 1367.8/33

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -60.380 ± 0.194 χ^2/NDF : 3234.3/16

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

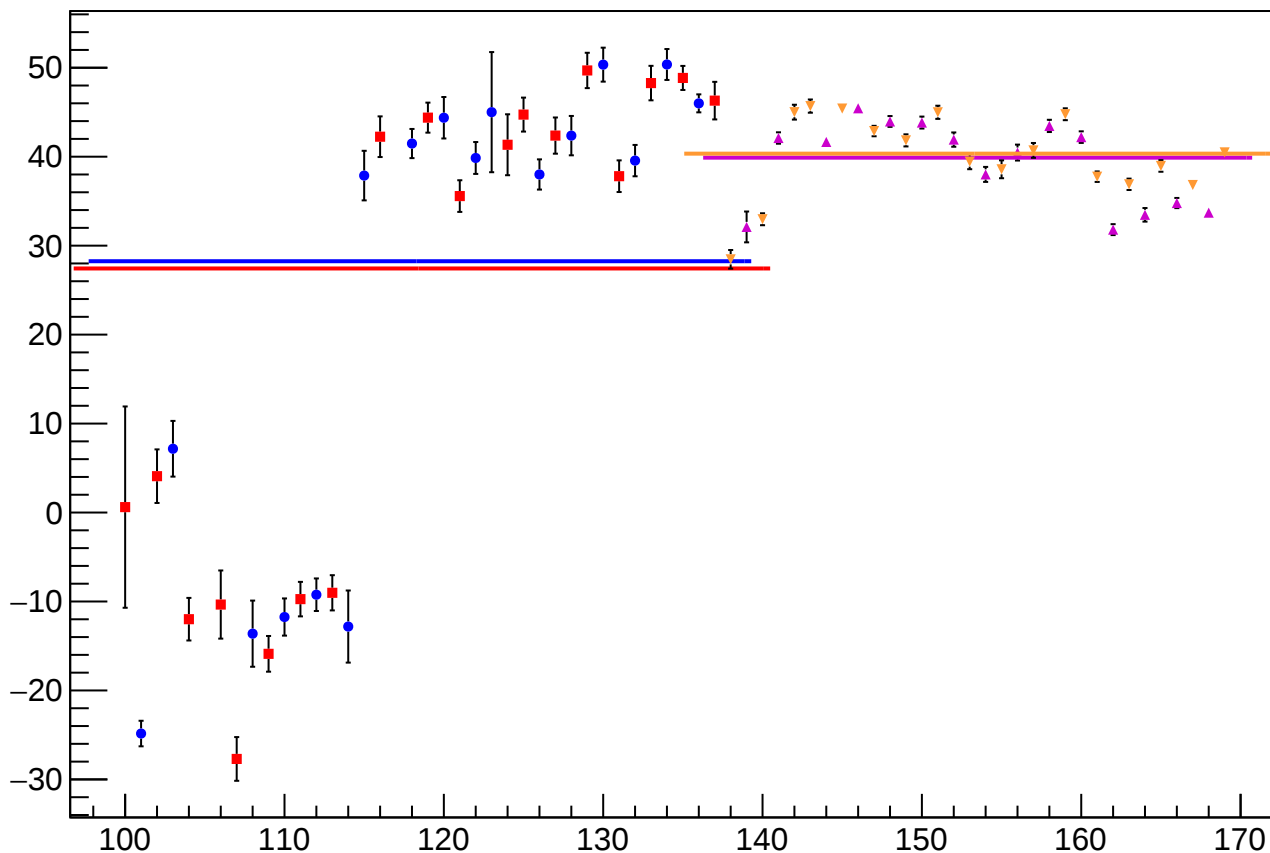
Left In: -59.229 ± 0.197 χ^2/NDF : 4421.9/14

+ sign -60.540 ± 0.188 χ^2/NDF : 3613.5/33

All: -60.063 ± 0.134 χ^2/NDF : 8539.1/67

- sign -59.569 ± 0.191 χ^2/NDF : 4912.4/33

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 40.342 $\pm$ 0.162 χ^2 /NDF: 632.6/16

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

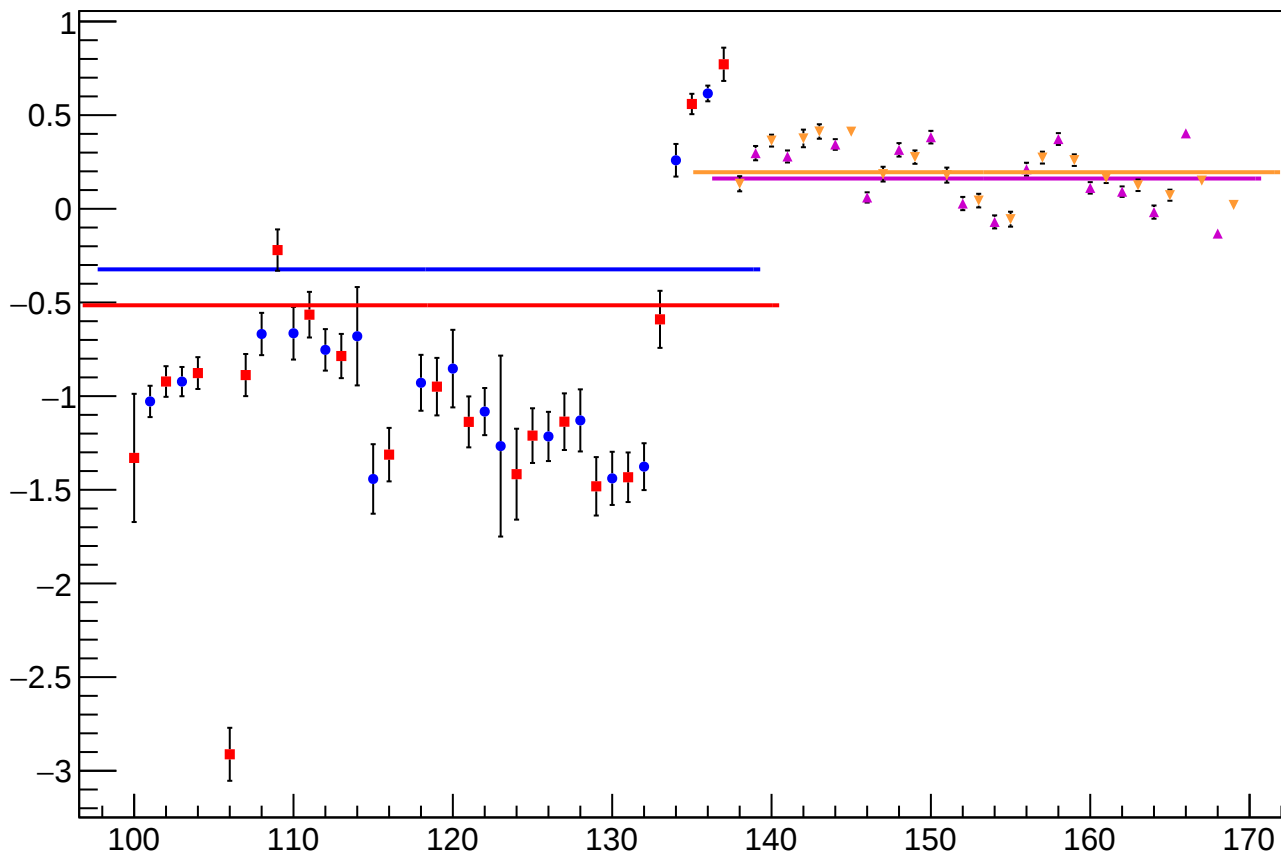
Left In: 39.892 $\pm$ 0.169 χ^2 /NDF: 755.9/14

+ sign 39.004 $\pm$ 0.153 χ^2 /NDF: 4566.3/33

All: 38.769 $\pm$ 0.110 χ^2 /NDF: 8961.7/67

- sign 38.515 $\pm$ 0.159 χ^2 /NDF: 4390.4/33

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.195 ± 0.008 χ^2/NDF : 309.1/16

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

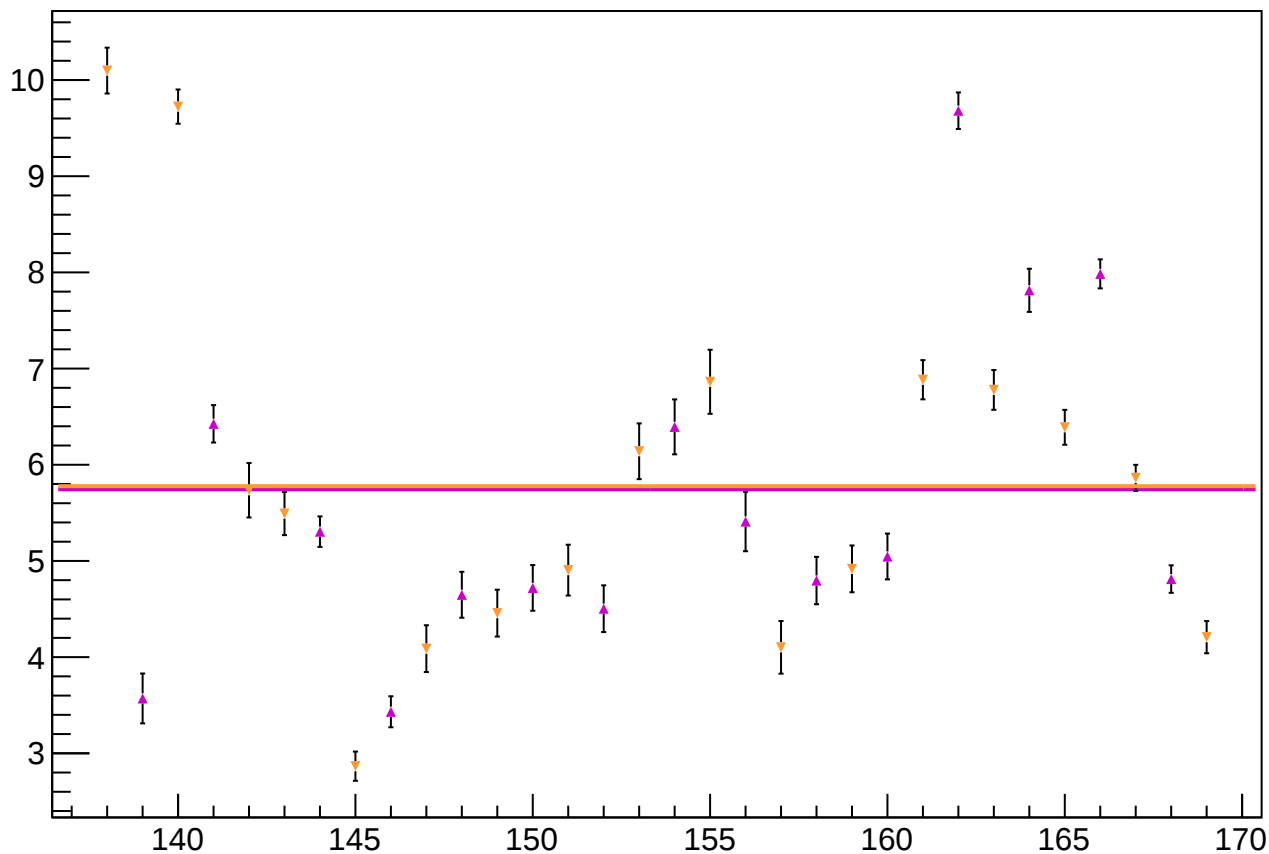
Left In: 0.162 ± 0.008 χ^2/NDF : 546.3/14

+ sign 0.151 ± 0.007 χ^2/NDF : 1714.9/33

All: 0.128 ± 0.005 χ^2/NDF : 4073.3/67

- sign 0.103 ± 0.008 χ^2/NDF : 2337.9/33

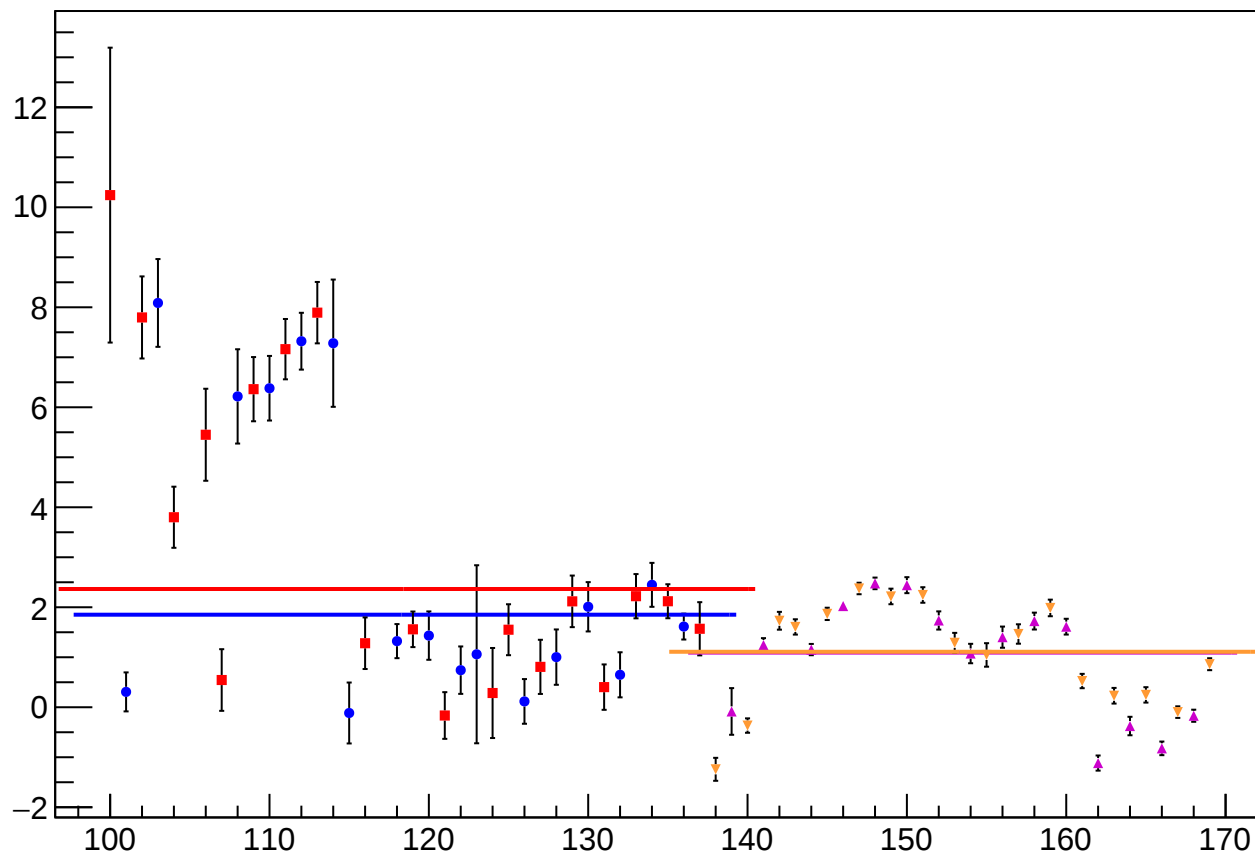
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.777+/-0.050 χ^2/NDF :1491.0/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.745+/-0.052 χ^2/NDF :1169.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 5.762+/-0.036 χ^2/NDF : 2660.9/31
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.110 ± 0.037 χ^2/NDF : 719.2/16

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

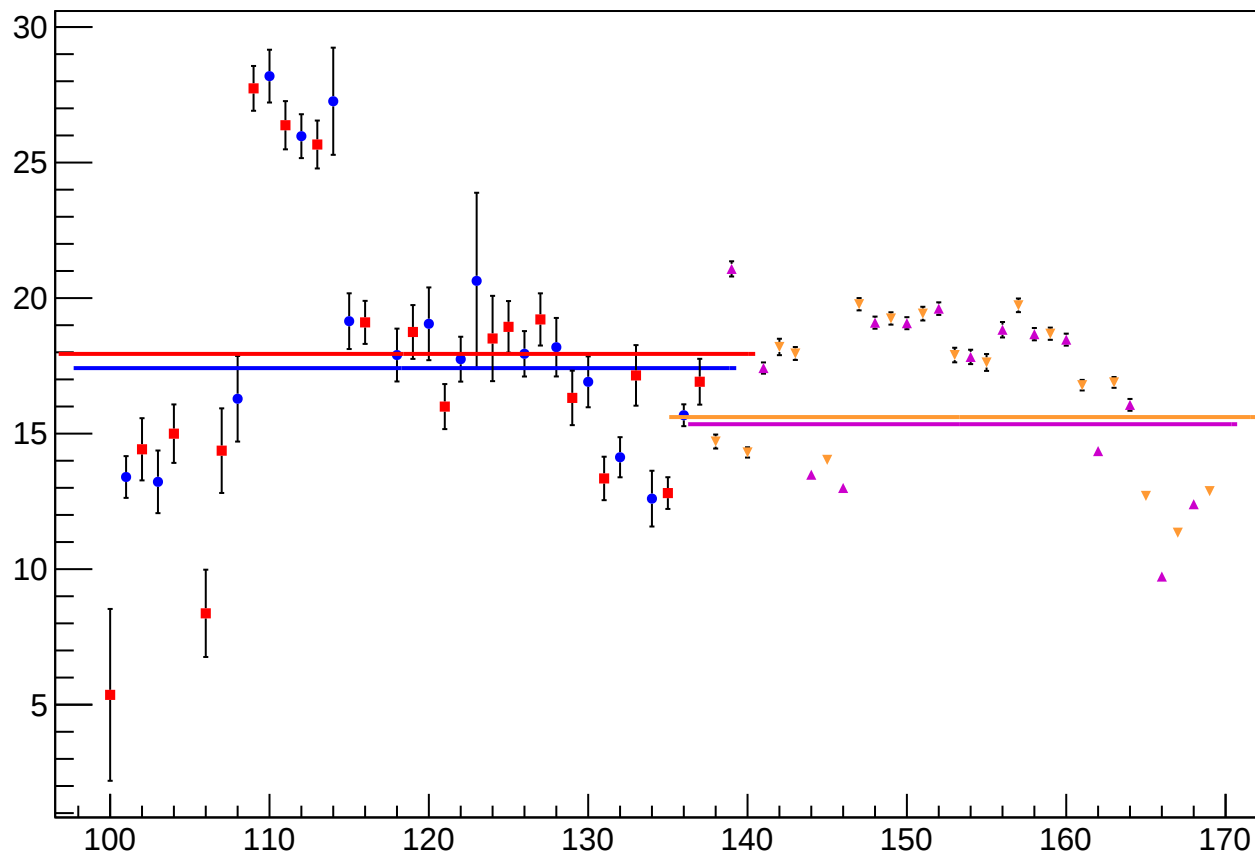
Left In: 1.093 ± 0.038 χ^2/NDF : 933.8/14

+ sign 1.176 ± 0.035 χ^2/NDF : 1049.8/33

All: 1.189 ± 0.025 χ^2/NDF : 2418.6/67

- sign 1.203 ± 0.036 χ^2/NDF : 1368.4/33

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 15.611 $\pm$ 0.050 χ^2 /NDF: 3266.2/16

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

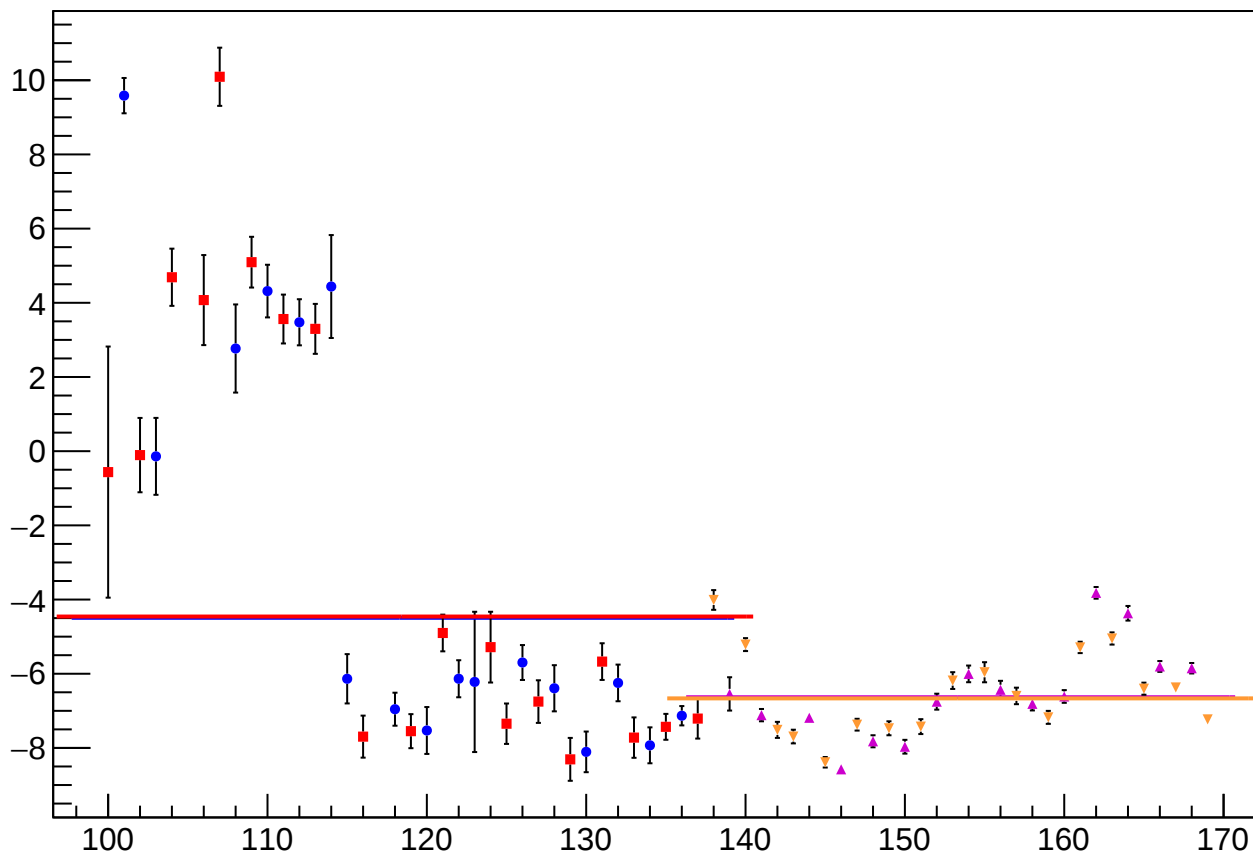
Left In: 15.347 $\pm$ 0.051 χ^2 /NDF: 4208.3/14

+ sign 15.707 $\pm$ 0.049 χ^2 /NDF: 3701.6/33

All: 15.597 $\pm$ 0.035 χ^2 /NDF: 8558.4/67

- sign 15.483 $\pm$ 0.050 χ^2 /NDF: 4846.7/33

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -6.664 ± 0.042 χ^2/NDF : 637.1/16

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

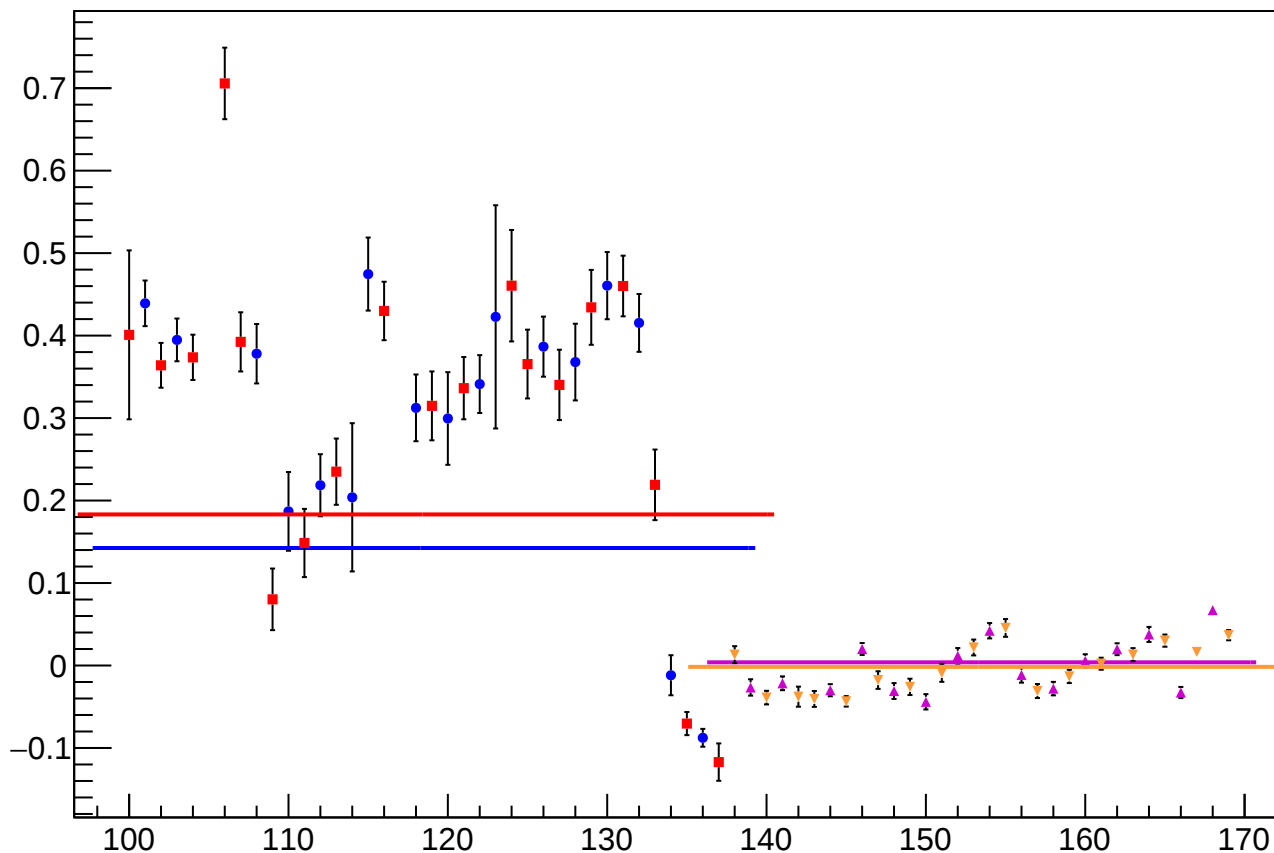
Left In: -6.633 ± 0.044 χ^2/NDF : 898.3/14

+ sign -6.458 ± 0.040 χ^2/NDF : 2473.6/33

All: -6.444 ± 0.029 χ^2/NDF : 4939.4/67

- sign -6.429 ± 0.042 χ^2/NDF : 2465.6/33

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.002 ± 0.002 χ^2/NDF : 210.2/16

Right Out: 0.183 ± 0.007 χ^2/NDF : 1000.9/18

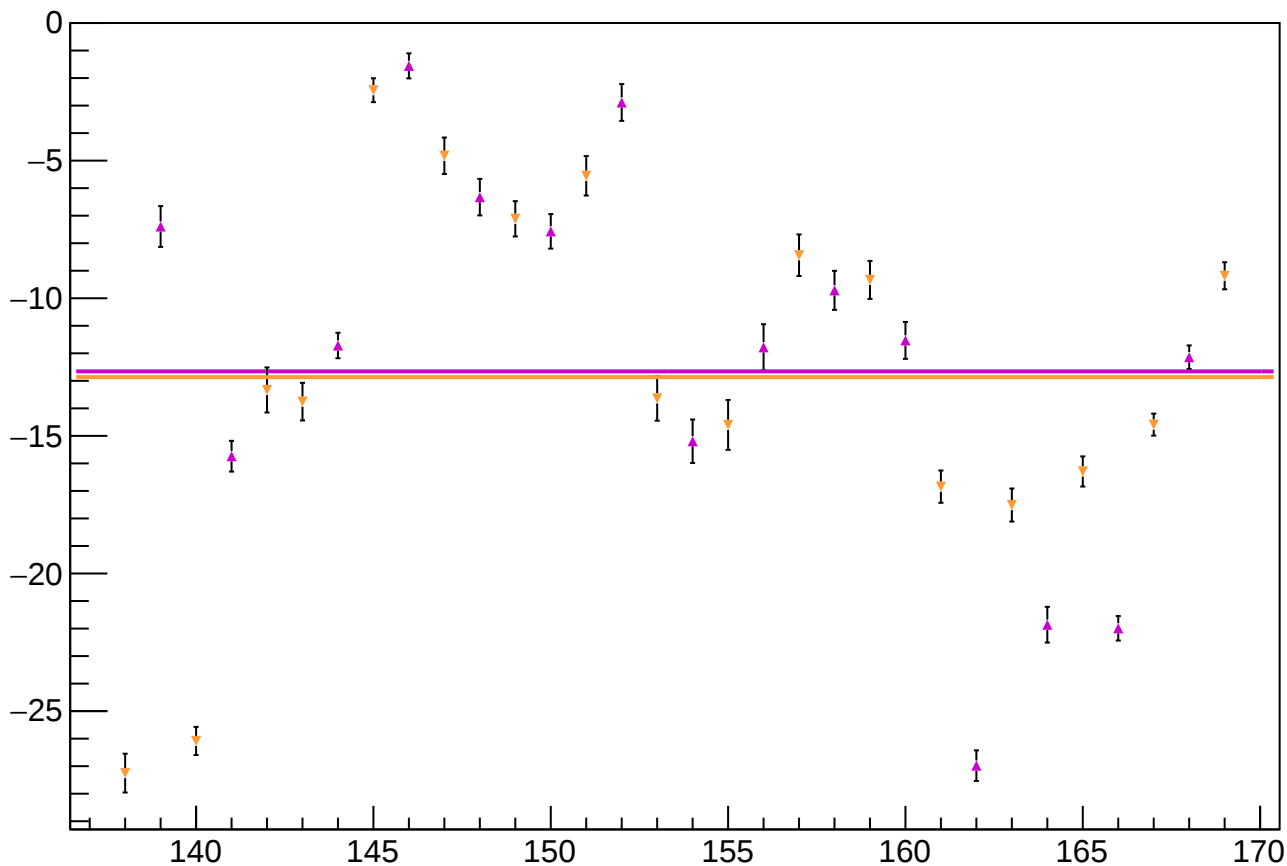
Left In: 0.004 ± 0.002 χ^2/NDF : 300.6/14

+ sign 0.009 ± 0.002 χ^2/NDF : 1654.3/33

All: 0.013 ± 0.001 χ^2/NDF : 3507.7/67

- sign 0.017 ± 0.002 χ^2/NDF : 1845.3/33

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -12.864+/-0.145 χ^2/NDF : 2282.8/16

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

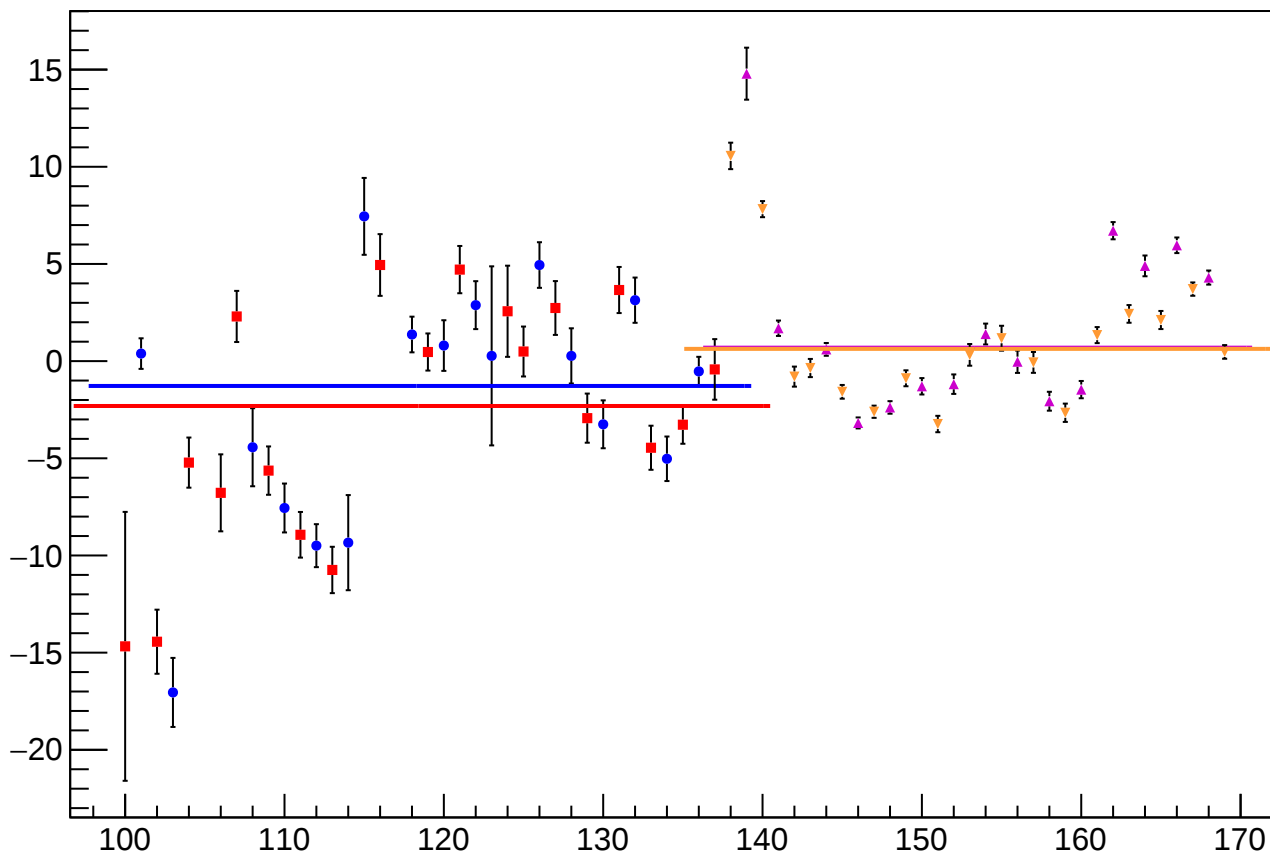
Left In: -12.657+/-0.149 χ^2/NDF : 2391.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.763+/-0.104 χ^2/NDF : 4674.9/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 0.631 ± 0.105 χ^2/NDF : 929.4/16

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

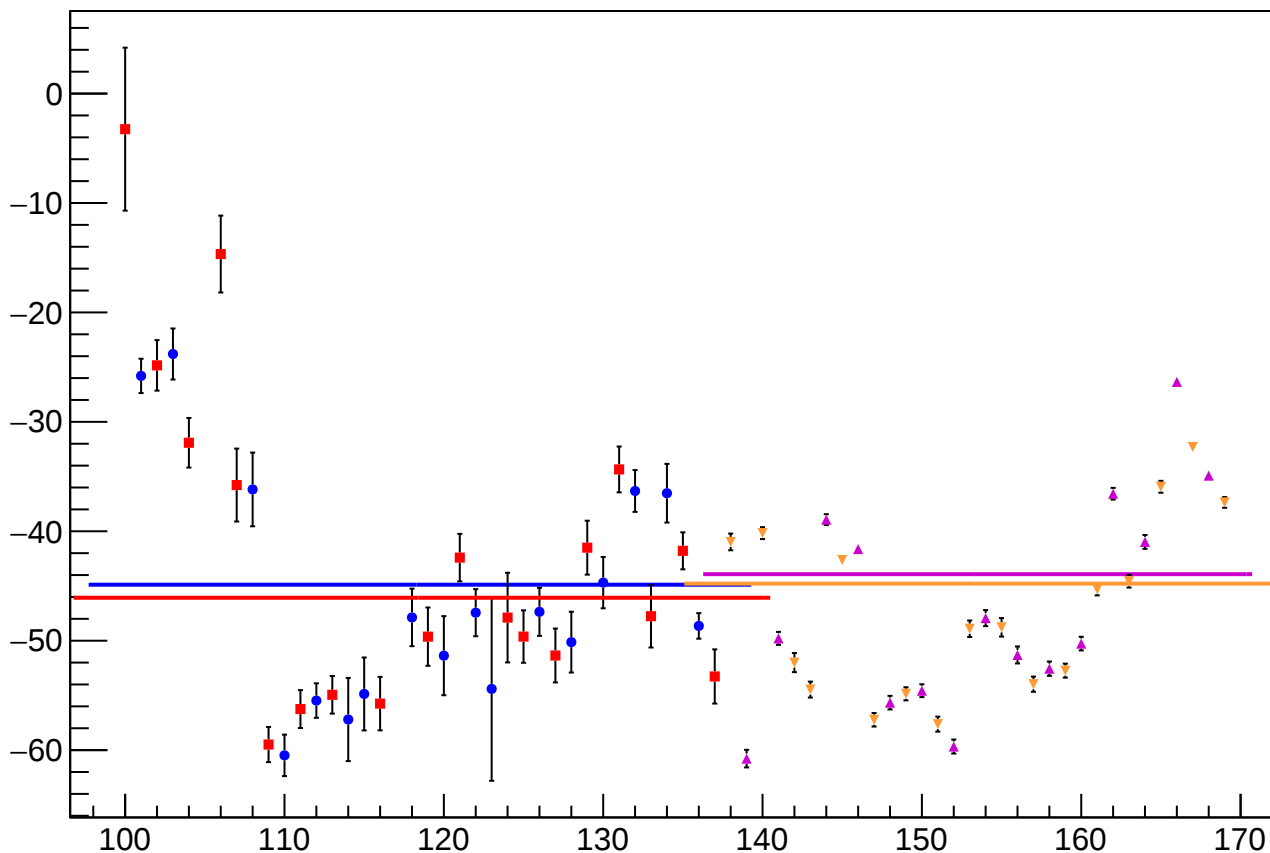
Left In: 0.693 ± 0.108 χ^2/NDF : 1008.7/14

+ sign 0.414 ± 0.098 χ^2/NDF : 1243.6/33

All: 0.385 ± 0.071 χ^2/NDF : 2625.3/67

- sign 0.354 ± 0.102 χ^2/NDF : 1381.4/33

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -44.783 ± 0.145 χ^2/NDF : 3209.7/16

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

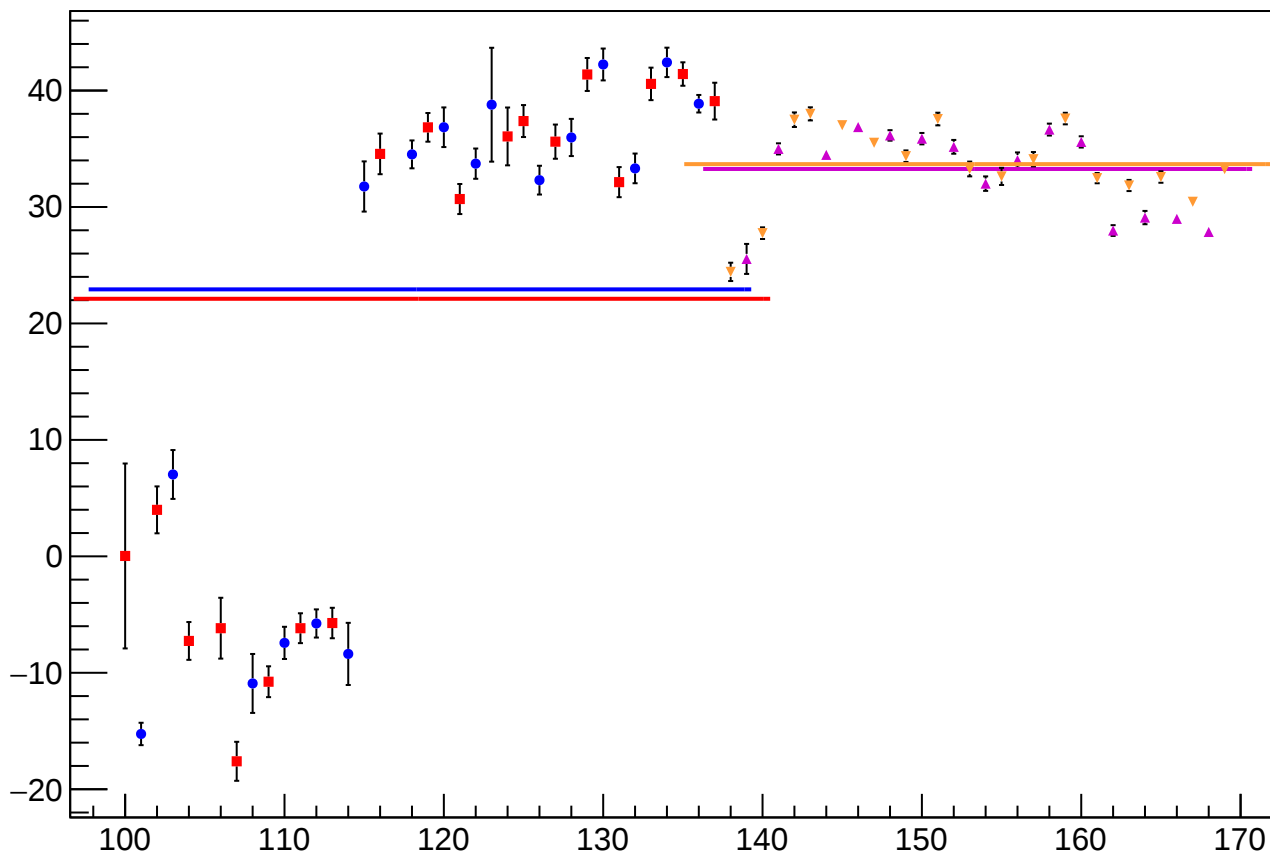
Left In: -43.919 ± 0.147 χ^2/NDF : 4507.0/14

+ sign -44.791 ± 0.139 χ^2/NDF : 3630.7/33

All: -44.438 ± 0.099 χ^2/NDF : 8620.5/67

- sign -44.074 ± 0.142 χ^2/NDF : 4976.8/33

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 33.681 $\pm$ 0.121 χ^2 /NDF: 679.7/16

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

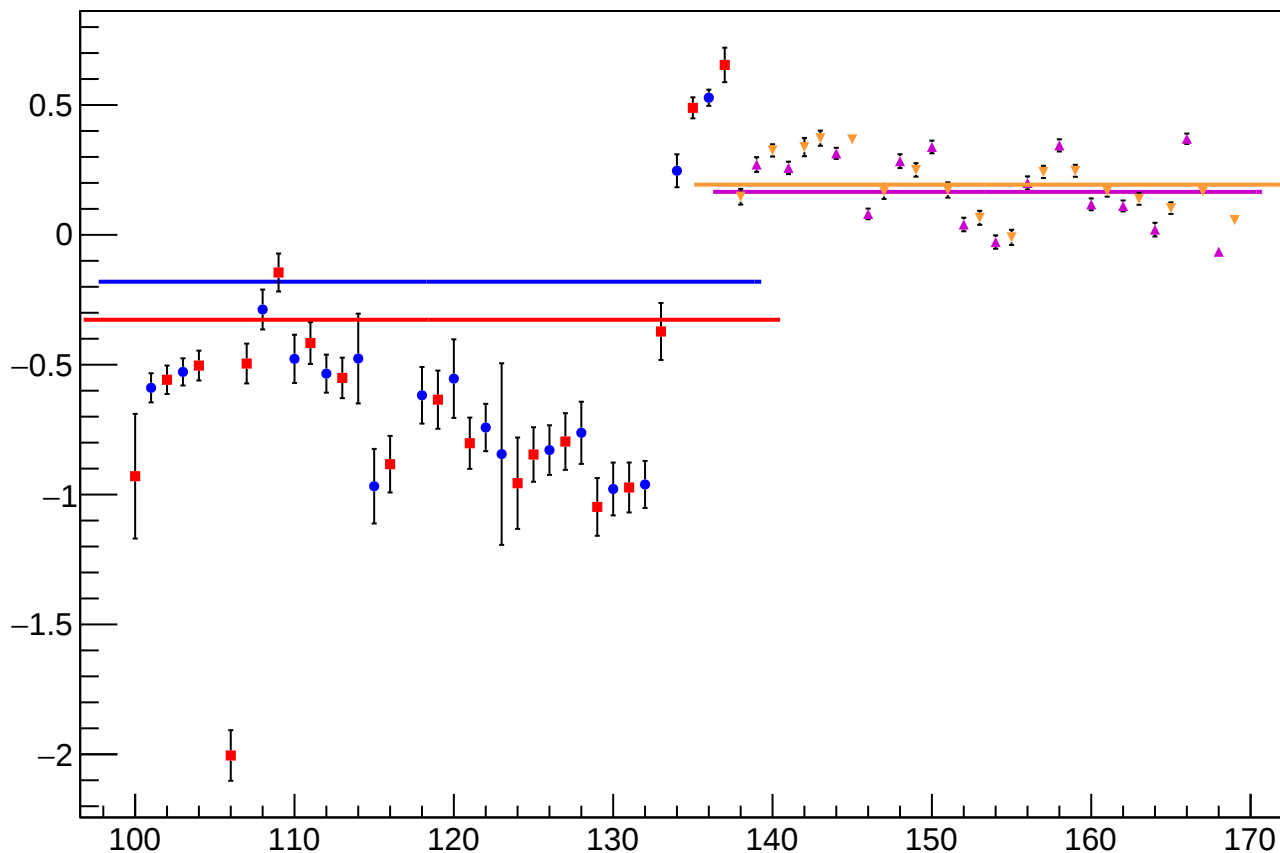
Left In: 33.264 $\pm$ 0.126 χ^2 /NDF: 760.7/14

+ sign 32.393 $\pm$ 0.114 χ^2 /NDF: 5955.8/33

All: 32.166 $\pm$ 0.082 χ^2 /NDF: 11703.9/67

- sign 31.921 $\pm$ 0.118 χ^2 /NDF: 5739.8/33

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.193 ± 0.006 χ^2/NDF : 349.2/16

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

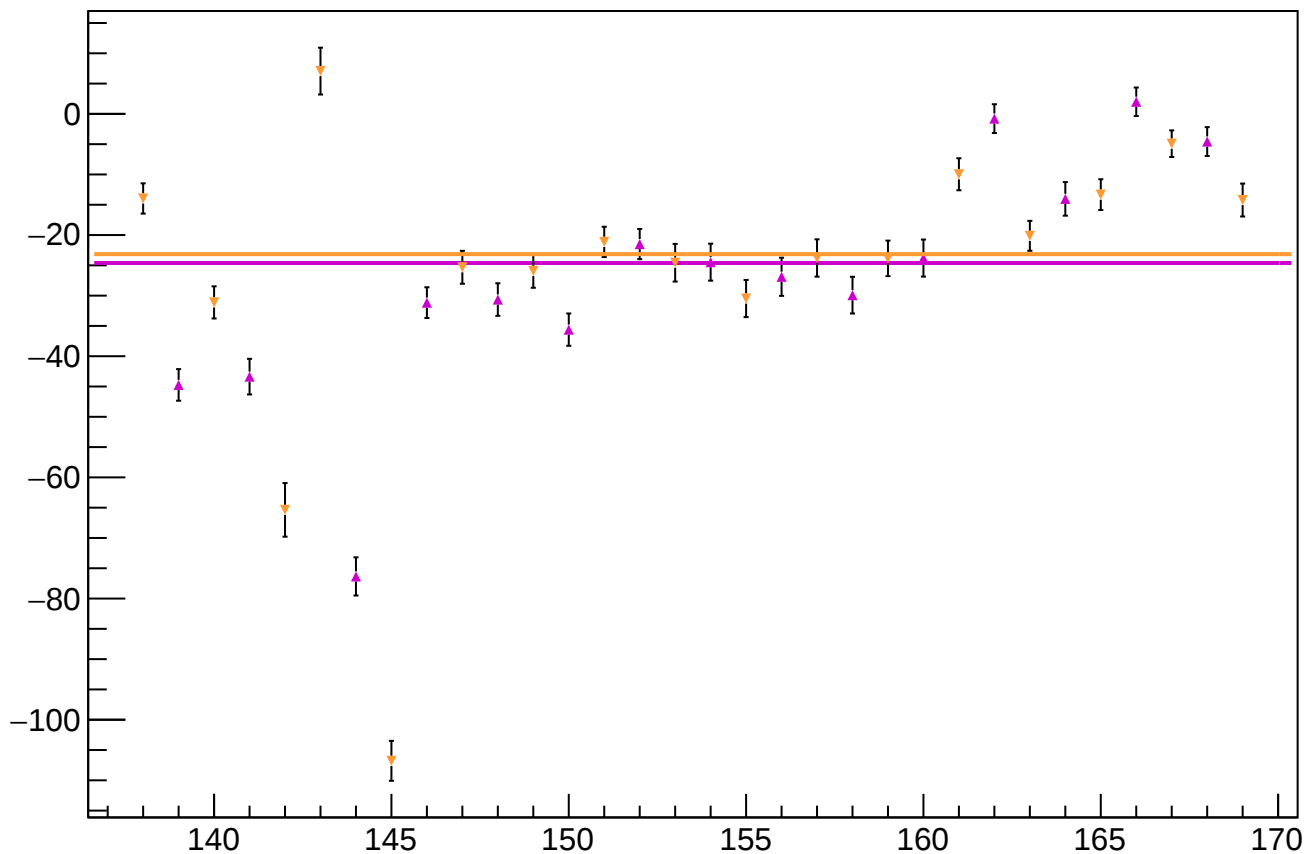
Left In: 0.165 ± 0.006 χ^2/NDF : 647.0/14

+ sign 0.158 ± 0.005 χ^2/NDF : 1745.9/33

All: 0.139 ± 0.004 χ^2/NDF : 4256.5/67

- sign 0.119 ± 0.006 χ^2/NDF : 2484.7/33

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -23.153+/-0.678 χ^2/NDF : 947.5/16

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

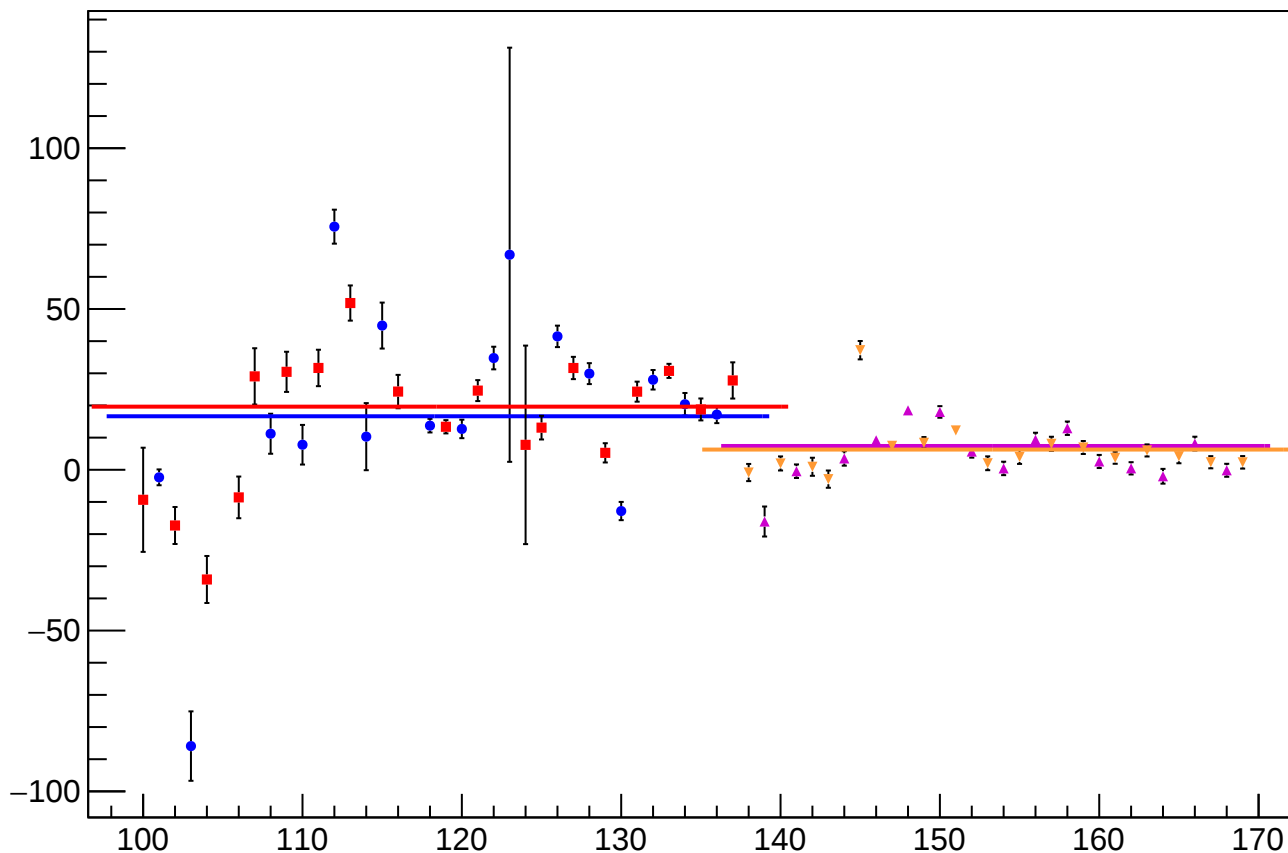
Left In: -24.610+/-0.699 χ^2/NDF : 717.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -23.860+/-0.487 χ^2/NDF : 1667.2/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 6.286 ± 0.479 χ^2/NDF : 180.3/16

Right Out: 19.632 ± 0.896 χ^2/NDF : 241.7/18

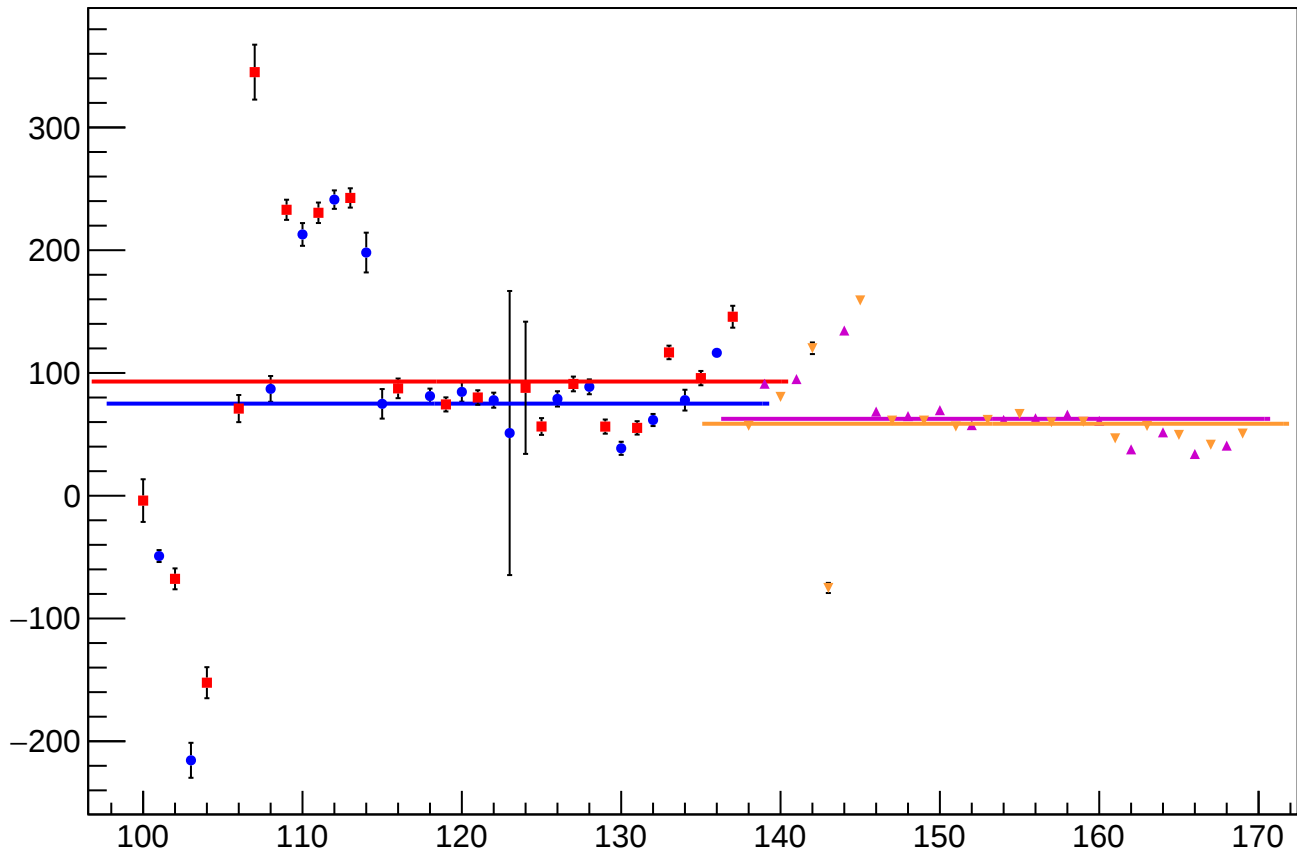
Left In: 7.400 ± 0.504 χ^2/NDF : 219.4/14

+ sign 8.748 ± 0.419 χ^2/NDF : 810.0/33

All: 9.505 ± 0.303 χ^2/NDF : 1419.4/67

- sign 10.340 ± 0.439 χ^2/NDF : 602.5/33

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 58.632 ± 0.666 χ^2/NDF : 2255.4/16

Right Out: 93.028 ± 1.711 χ^2/NDF : 2003.6/18

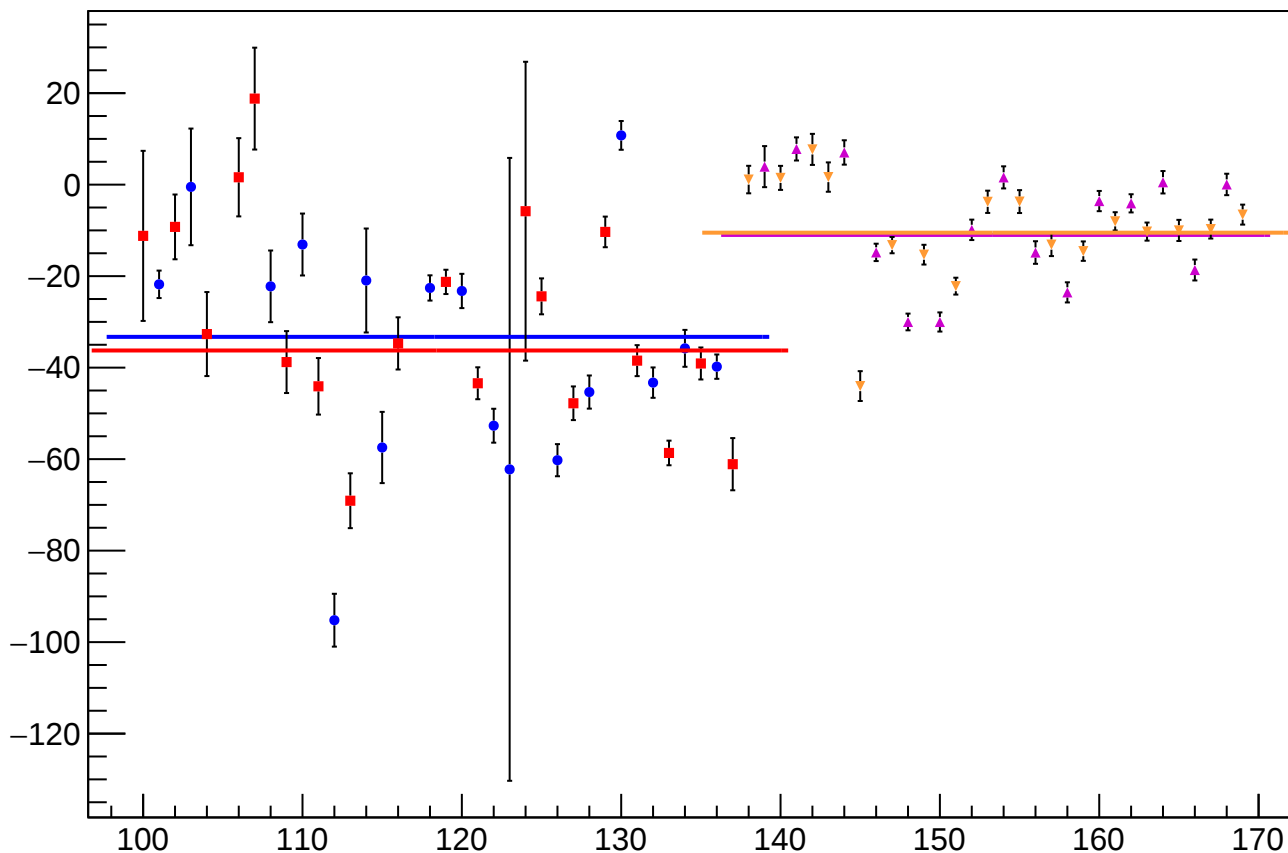
Left In: 62.641 ± 0.683 χ^2/NDF : 1046.1/14

+ sign 60.940 ± 0.618 χ^2/NDF : 4340.3/33

All: 63.799 ± 0.442 χ^2/NDF : 7706.0/67

- sign 66.812 ± 0.634 χ^2/NDF : 3321.7/33

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -10.499 ± 0.558 $\chi^2/\text{NDF}: 256.8/16$

Right Out: -36.251 ± 1.024 $\chi^2/\text{NDF}: 297.6/18$

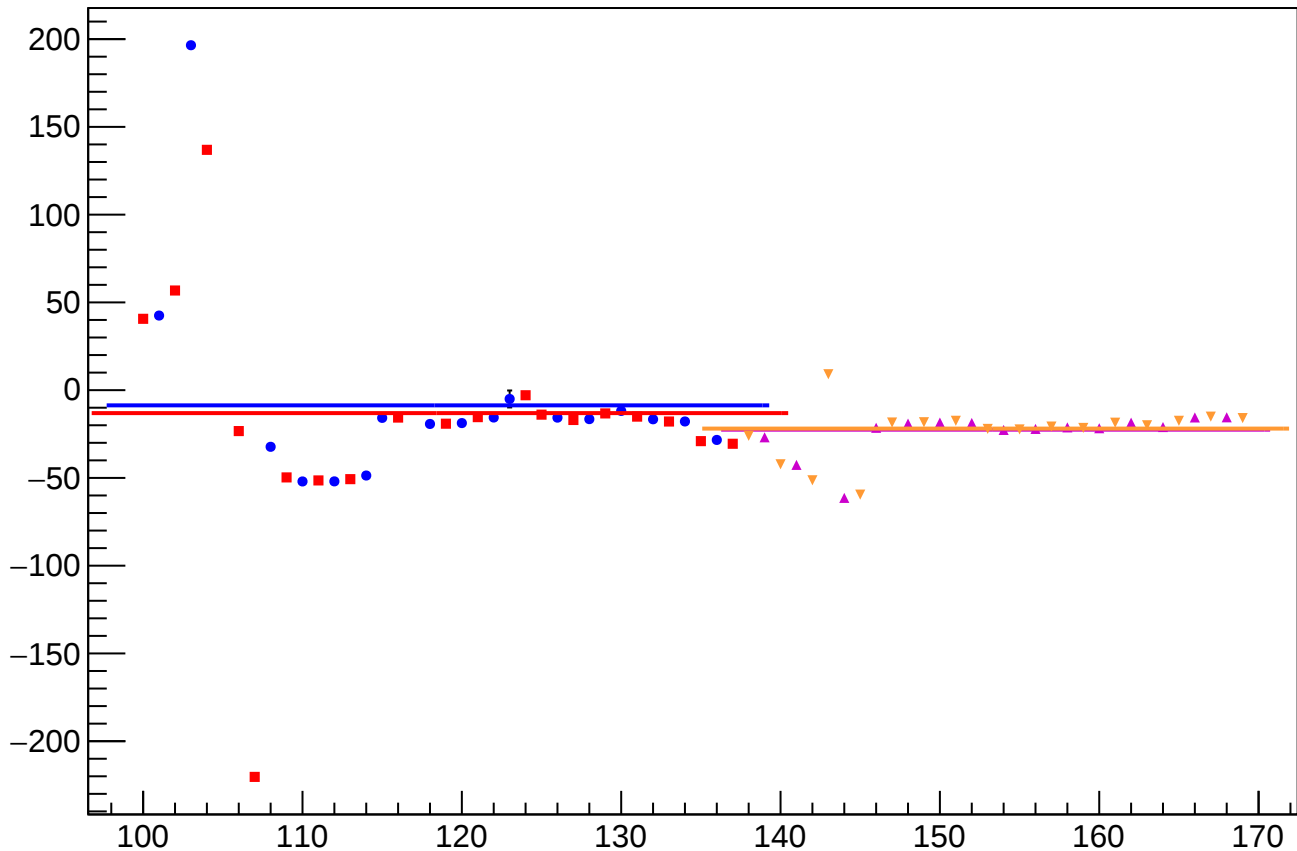
Left In: -10.994 ± 0.588 $\chi^2/\text{NDF}: 448.4/14$

+ sign -16.064 ± 0.485 $\chi^2/\text{NDF}: 1152.6/33$

All: -16.631 ± 0.352 $\chi^2/\text{NDF}: 2359.1/67$

- sign -17.256 ± 0.510 $\chi^2/\text{NDF}: 1203.6/33$

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -21.895 ± 0.026 $\chi^2/\text{NDF}: 182001.7/16$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

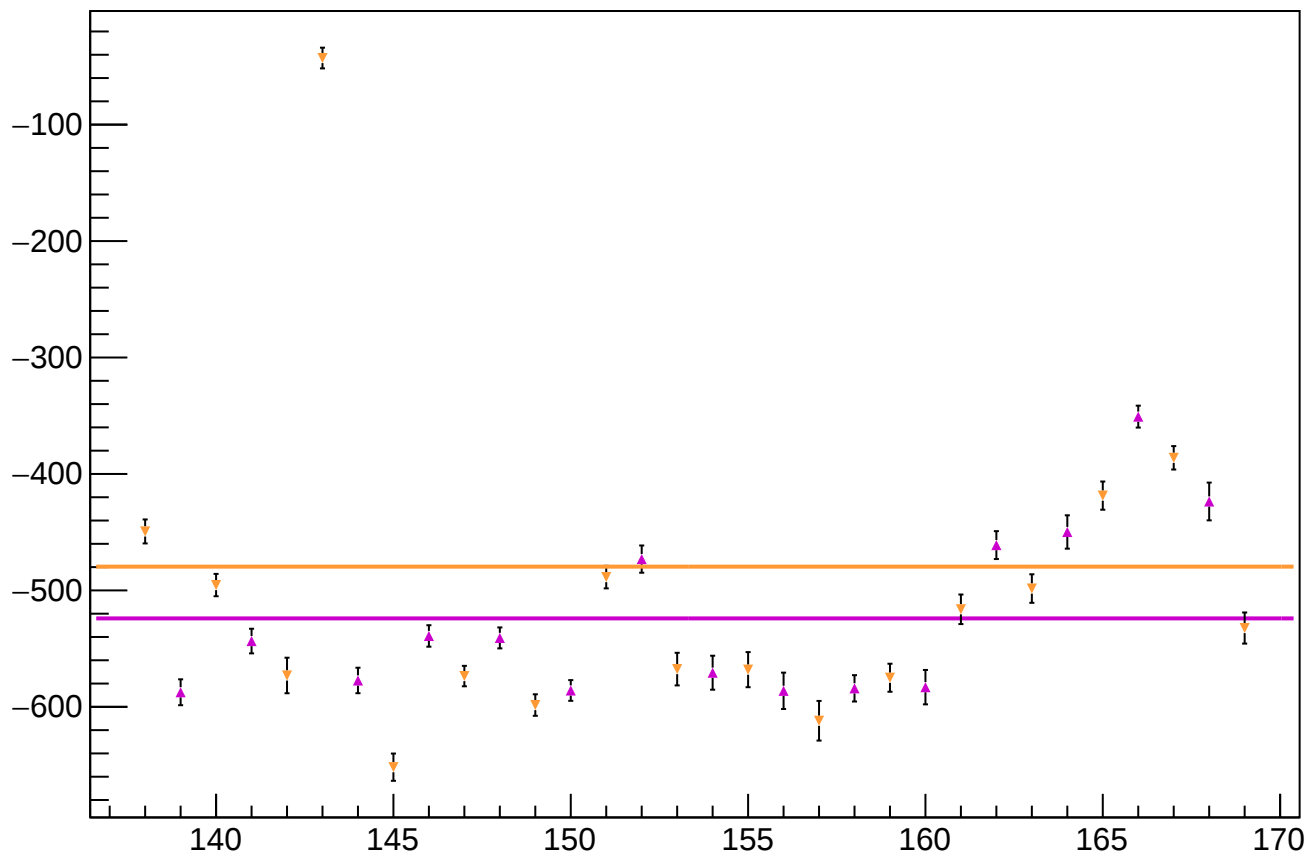
Left In: -22.518 ± 0.027 $\chi^2/\text{NDF}: 113391.4/14$

+ sign -19.729 ± 0.024 $\chi^2/\text{NDF}: 799732.3/33$

All: -20.354 ± 0.017 $\chi^2/\text{NDF}: 1492466.2/67$

- sign -21.018 ± 0.025 $\chi^2/\text{NDF}: 691323.8/33$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -479.590+/-2.722 χ^2/NDF : 3291.0/16

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

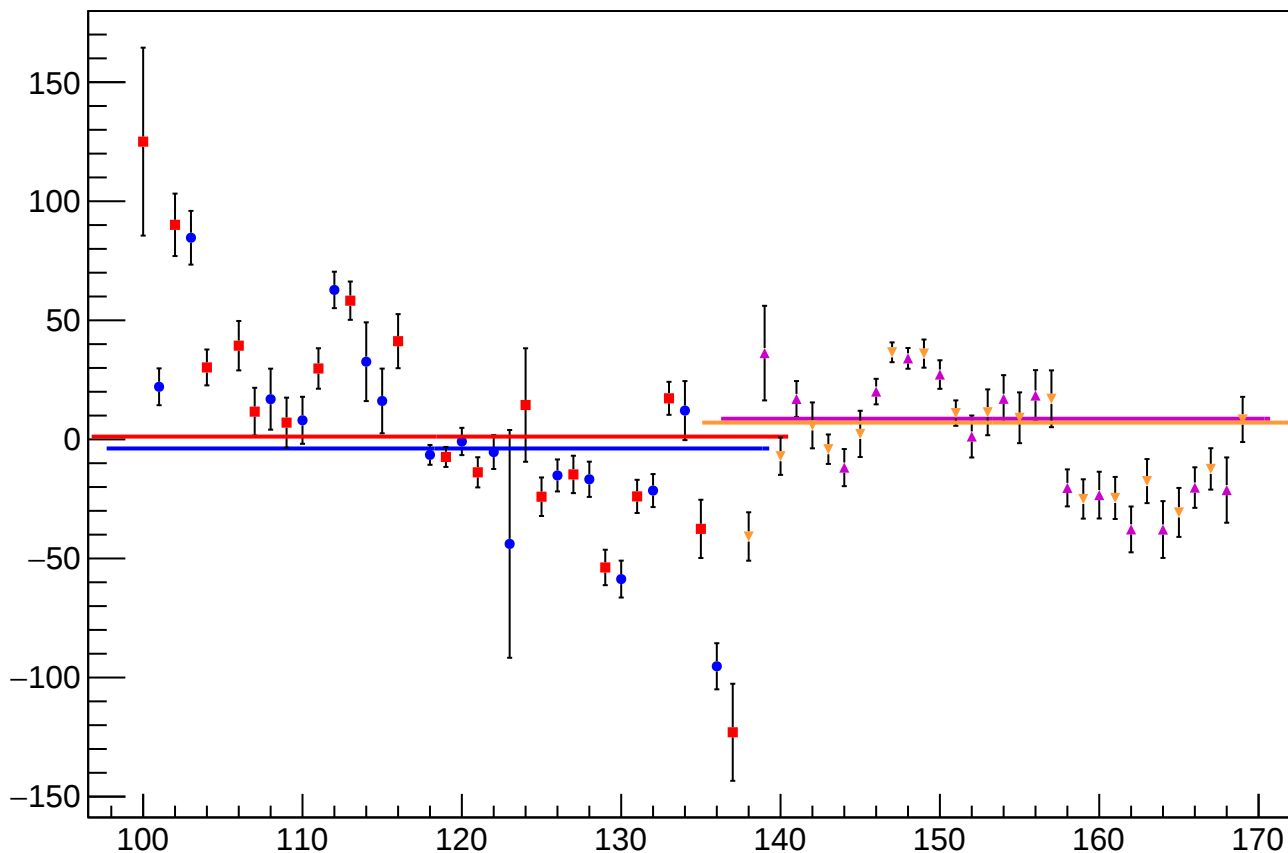
Left In: -524.049+/-2.916 χ^2/NDF : 635.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -500.296+/-1.990 χ^2/NDF : 4050.7/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 7.051 ± 1.843 χ^2/NDF : 158.1/16

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

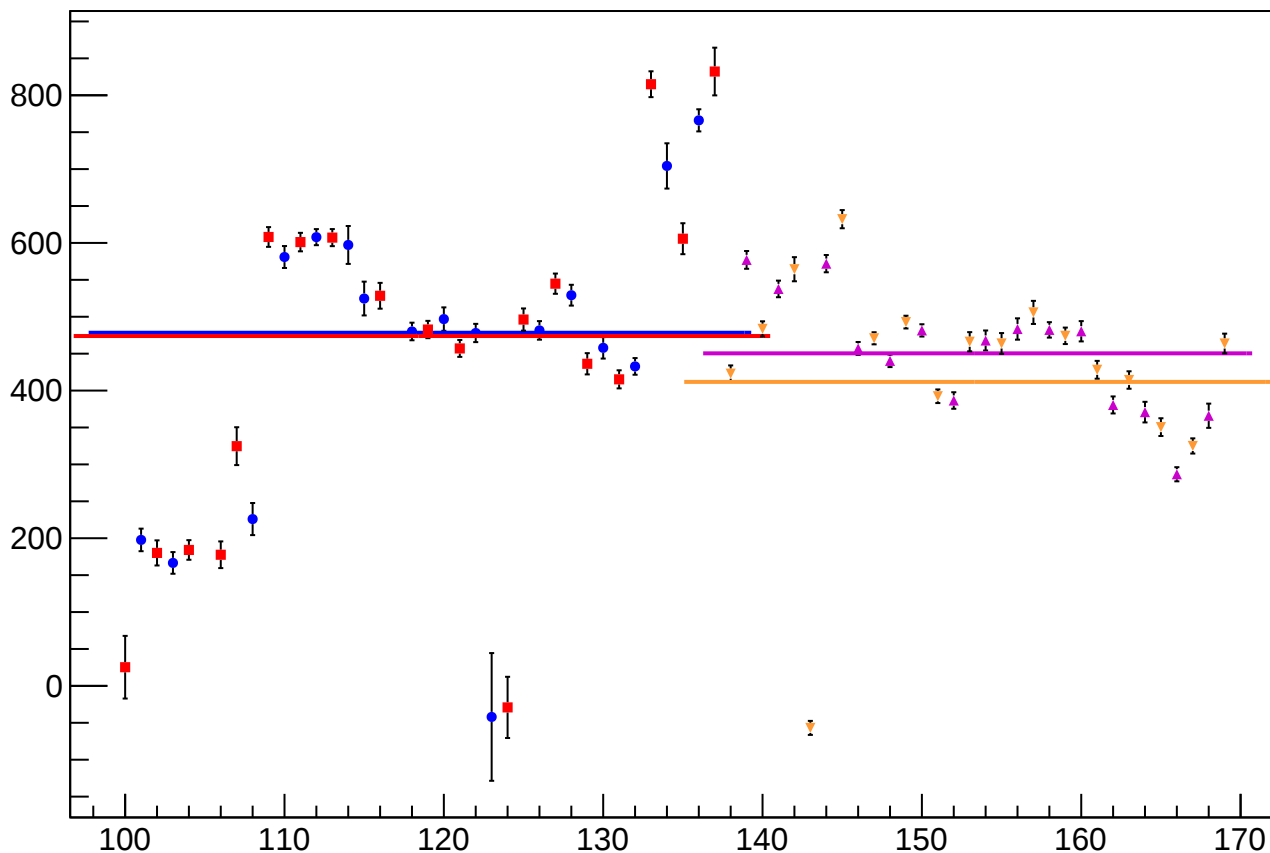
Left In: 8.678 ± 2.009 χ^2/NDF : 139.8/14

+ sign 1.849 ± 1.330 χ^2/NDF : 489.1/33

All: 3.238 ± 0.960 χ^2/NDF : 942.4/67

- sign 4.744 ± 1.386 χ^2/NDF : 451.0/33

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 411.759 $\pm$ 2.691 χ^2 /NDF: 3249.7/16

Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

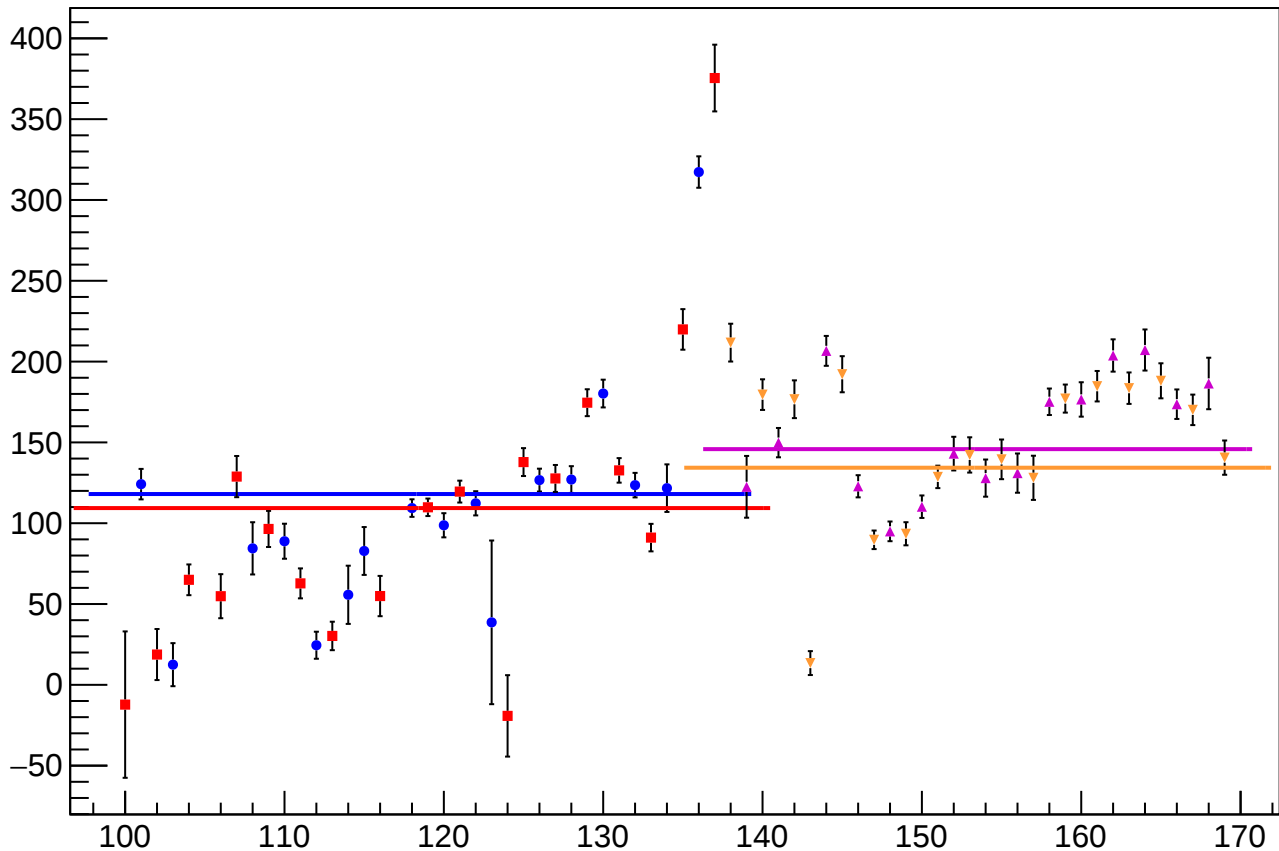
Left In: 450.423 $\pm$ 2.846 χ^2 /NDF: 735.4/14

+ sign 435.101 $\pm$ 2.168 χ^2 /NDF: 5093.2/33

All: 447.119 $\pm$ 1.550 χ^2 /NDF: 8203.2/67

- sign 459.671 $\pm$ 2.216 χ^2 /NDF: 3047.2/33

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 134.337 $\pm$ 2.199 χ^2 /NDF: 586.2/16

Right Out: 109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

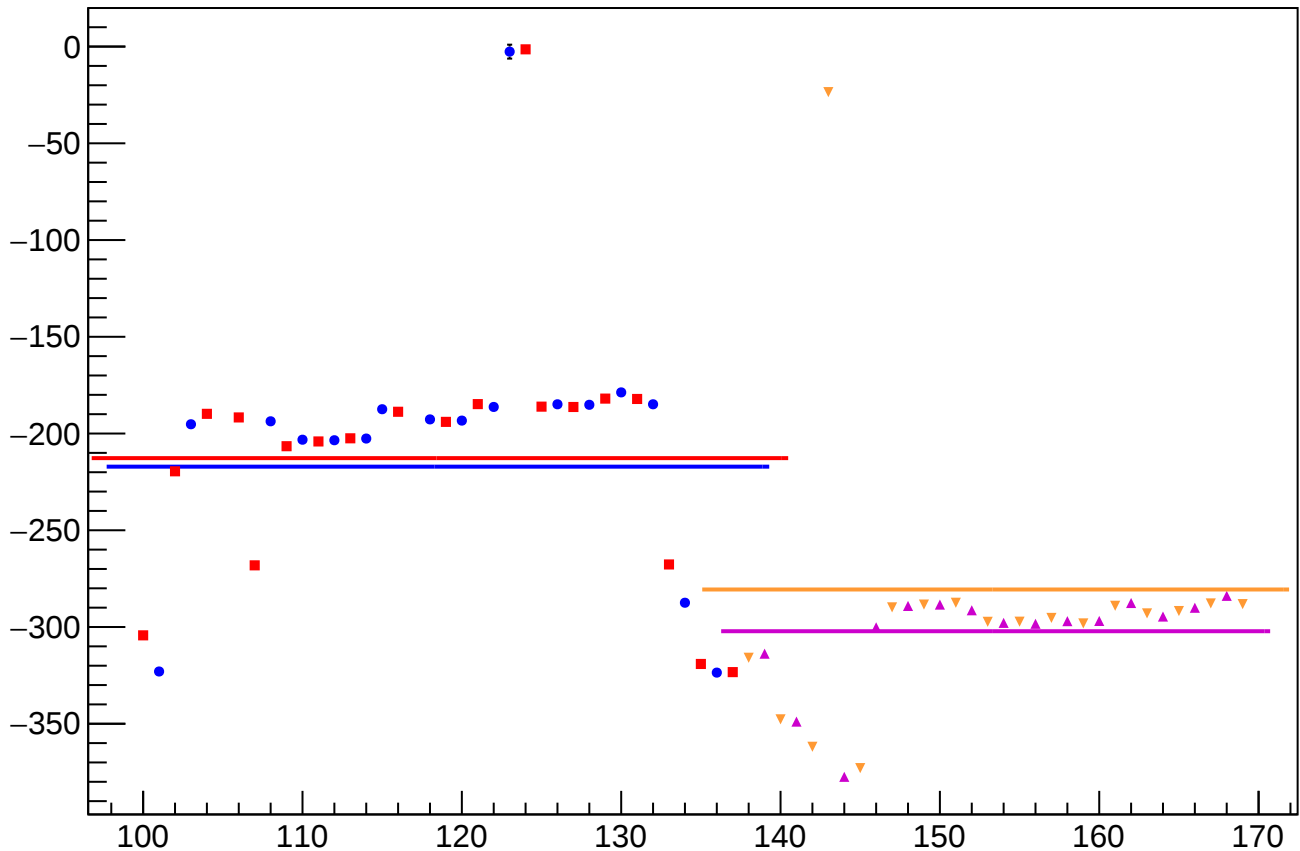
Left In: 145.839 $\pm$ 2.391 χ^2 /NDF: 249.9/14

+ sign 126.294 $\pm$ 1.564 χ^2 /NDF: 1318.6/33

All: 126.212 $\pm$ 1.126 χ^2 /NDF: 2264.0/67

- sign 126.124 $\pm$ 1.621 χ^2 /NDF: 945.4/33

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -280.609 ± 0.108 $\chi^2/\text{NDF}: 546179.3/16$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

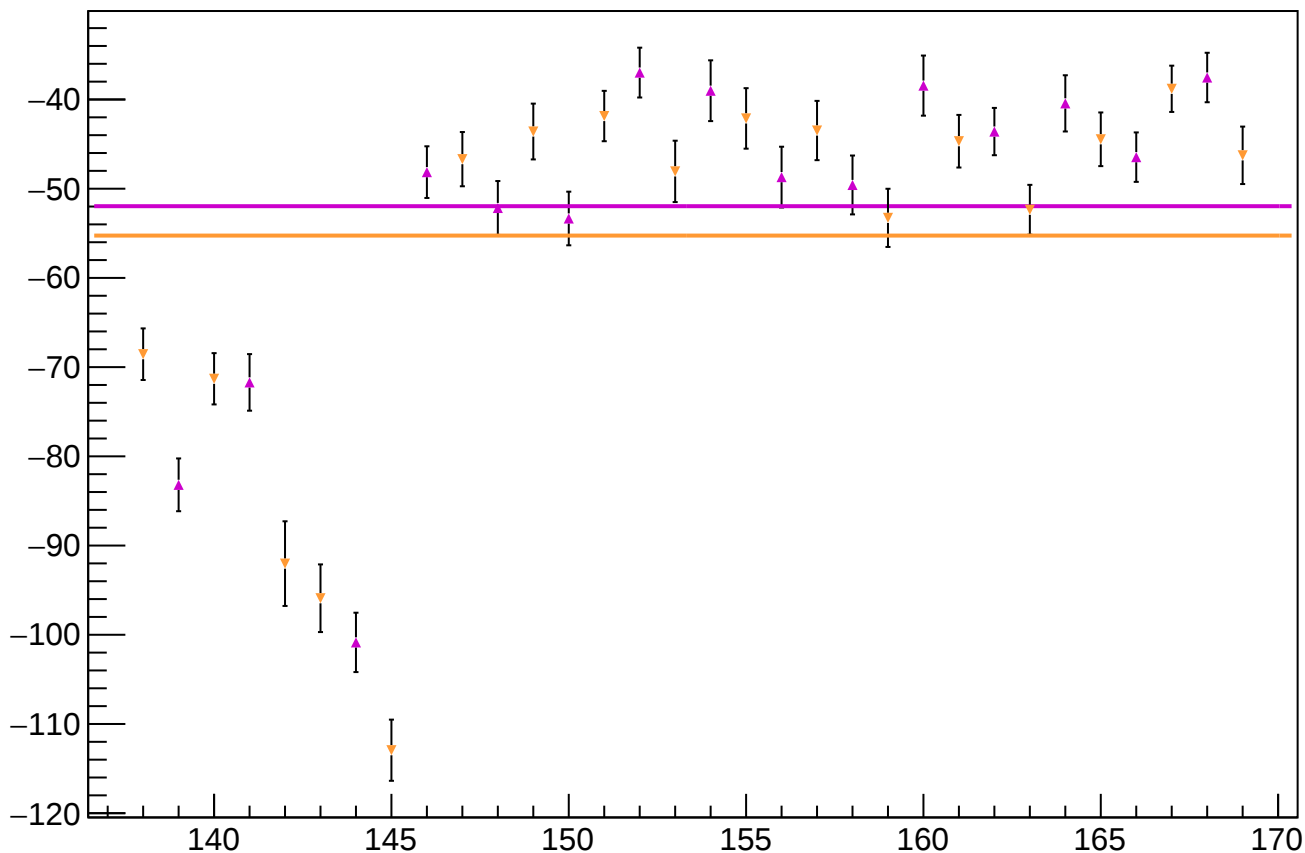
Left In: -302.175 ± 0.114 $\chi^2/\text{NDF}: 39585.8/14$

+ sign -256.151 ± 0.085 $\chi^2/\text{NDF}: 825588.7/33$

All: -259.639 ± 0.060 $\chi^2/\text{NDF}: 1250793.0/67$

- sign -263.220 ± 0.086 $\chi^2/\text{NDF}: 421772.7/33$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -55.255 $\pm$ 0.760 χ^2 /NDF:661.9/16

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

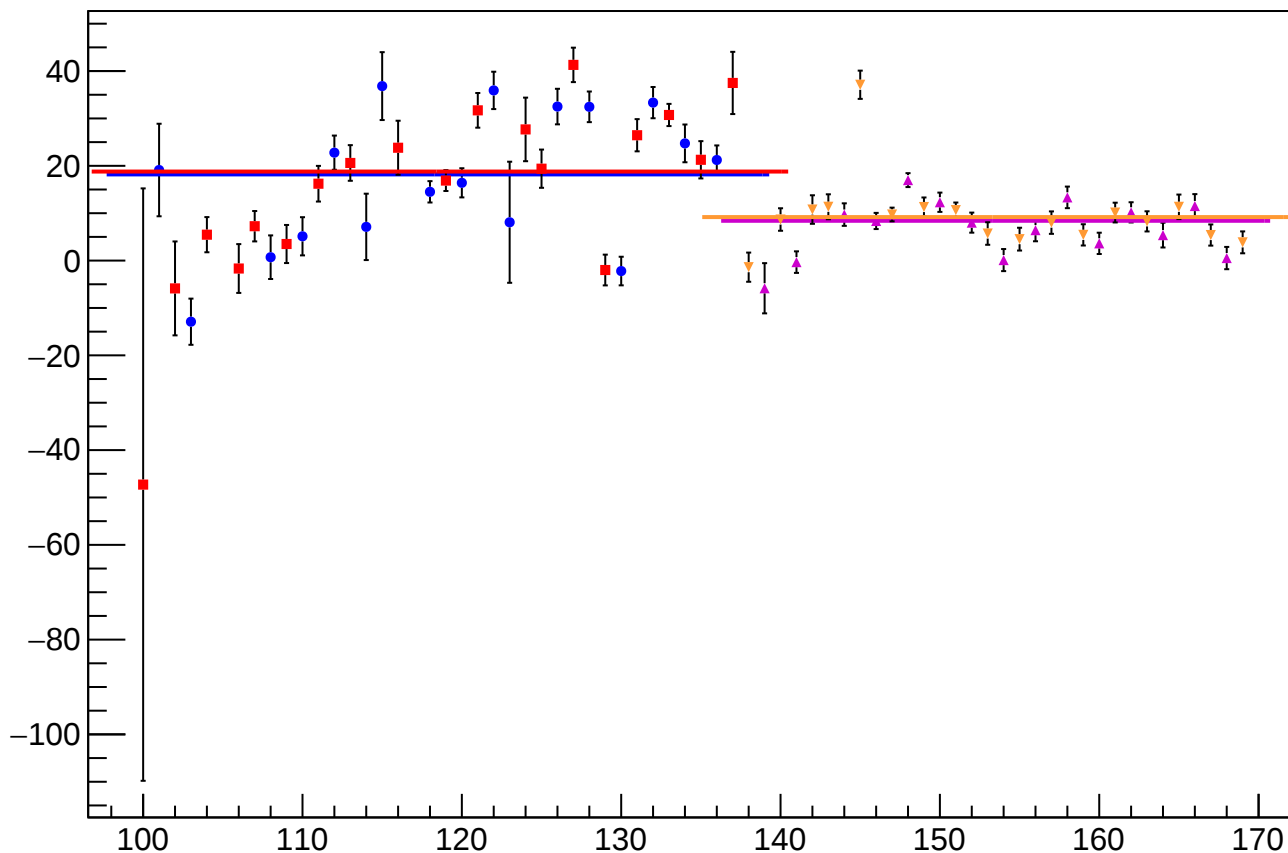
Left In: -51.960 $\pm$ 0.784 χ^2 /NDF:483.2/14

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

All: -53.658 $\pm$ 0.546 χ^2 /NDF: 1154.3/31

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

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.181 ± 0.536 χ^2/NDF : 120.9/16

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

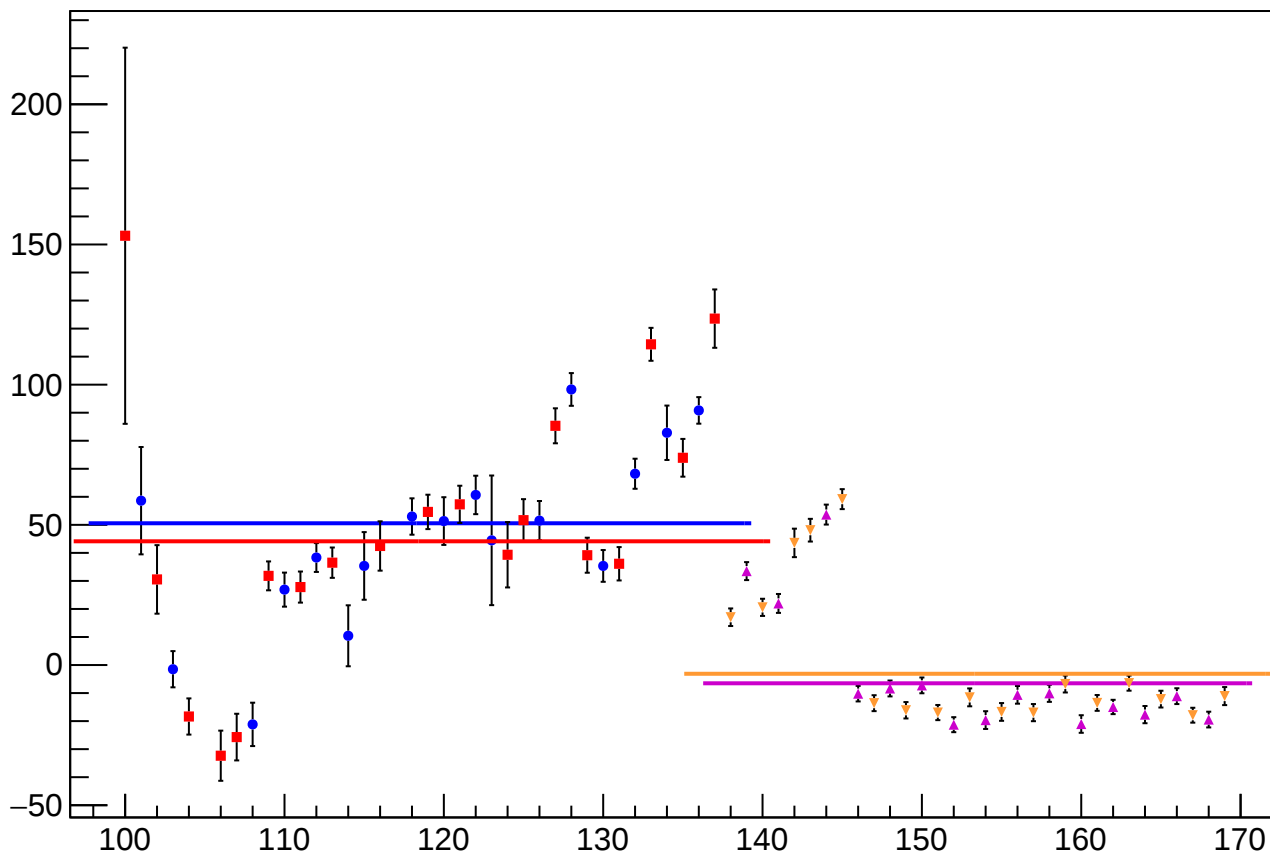
Left In: 8.400 ± 0.565 χ^2/NDF : 97.4/14

+ sign 11.474 ± 0.463 χ^2/NDF : 397.6/33

All: 11.494 ± 0.331 χ^2/NDF : 795.4/67

- sign 11.515 ± 0.472 χ^2/NDF : 397.8/33

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: -3.118 $\pm$ 0.747 χ^2 /NDF:820.2/16

Right Out: 44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

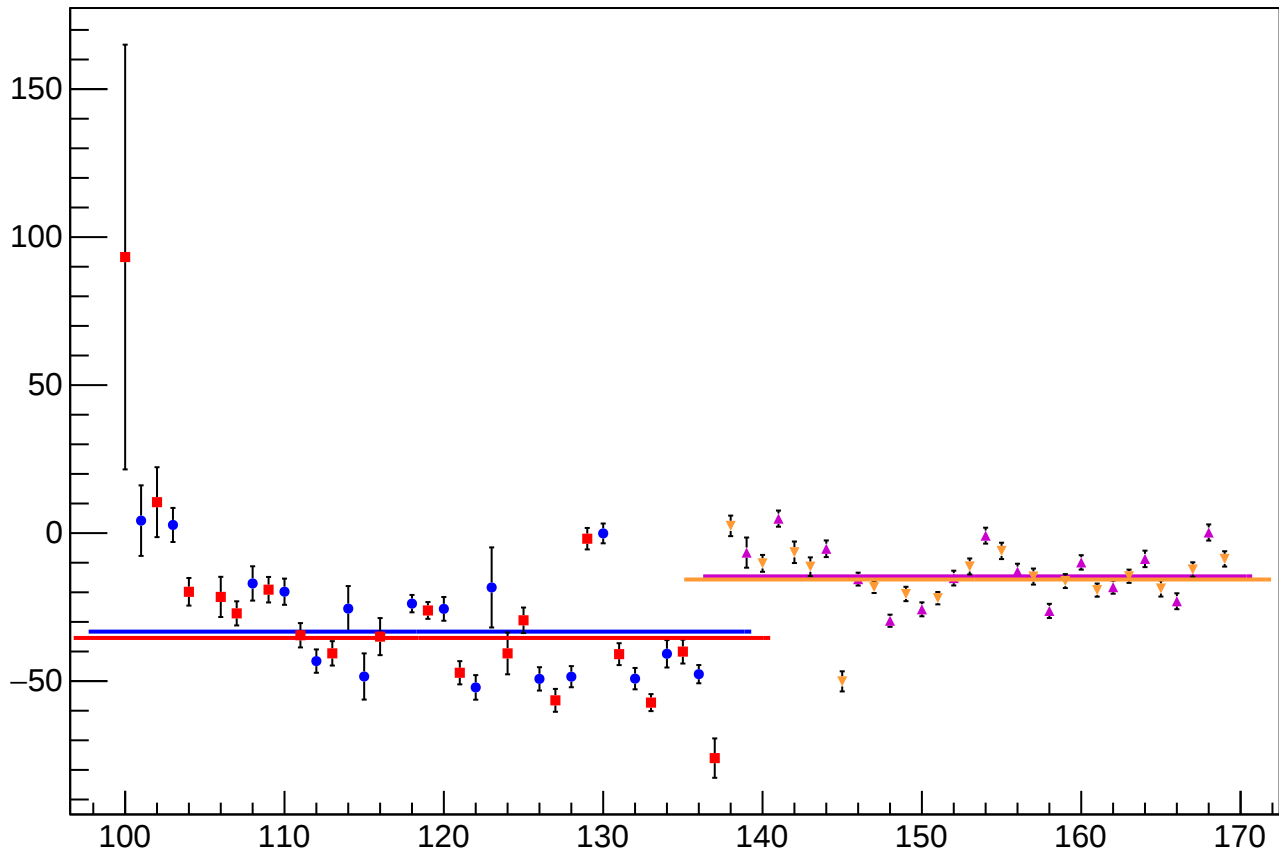
Left In: -6.513 $\pm$ 0.765 χ^2 /NDF:635.6/14

+ sign 5.761 $\pm$ 0.682 χ^2 /NDF: 2032.8/33

All: 4.345 $\pm$ 0.485 χ^2 /NDF: 4022.9/67

- sign 2.895 $\pm$ 0.691 χ^2 /NDF: 1981.4/33

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -15.676 ± 0.625 χ^2/NDF : 185.0/16

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

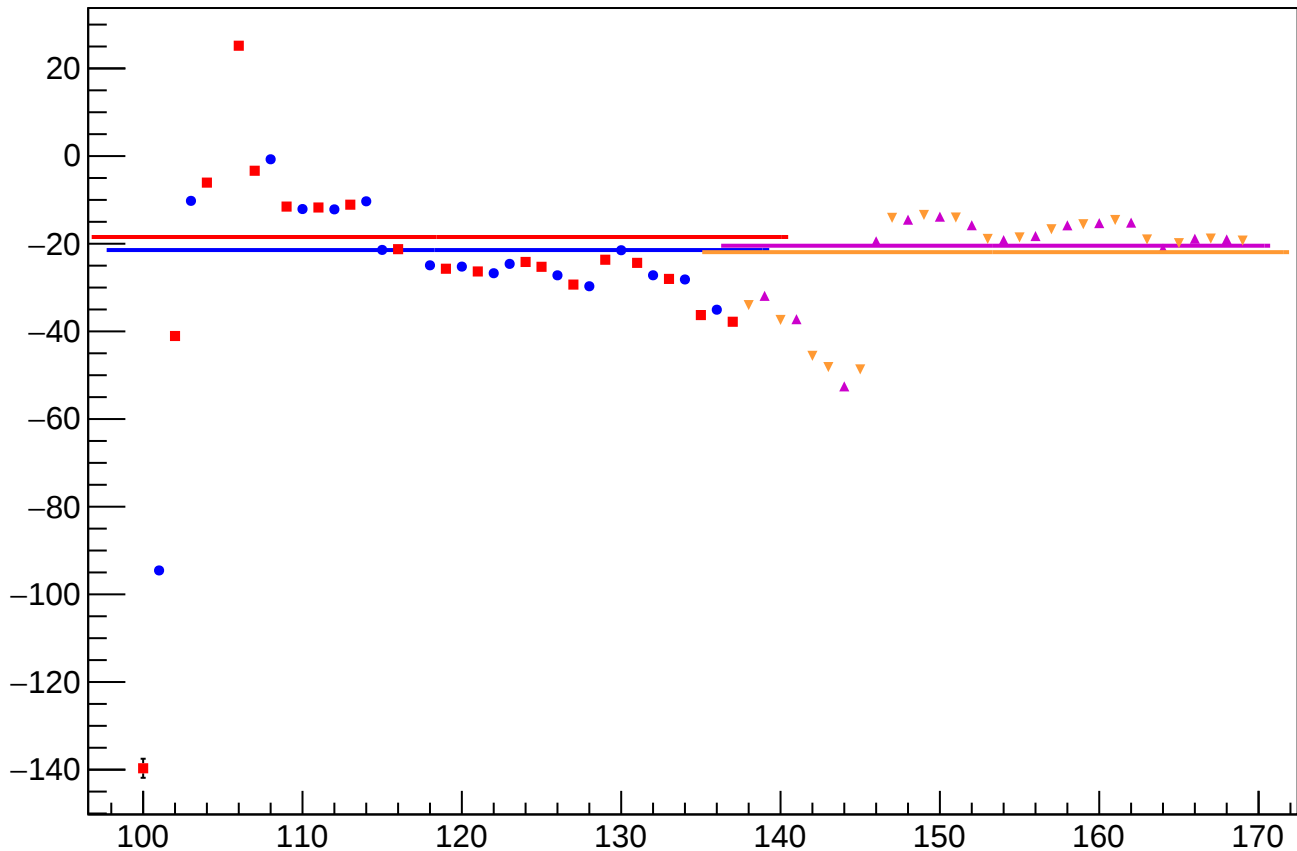
Left In: -14.615 ± 0.658 χ^2/NDF : 240.7/14

+ sign -20.325 ± 0.536 χ^2/NDF : 684.6/33

All: -20.642 ± 0.383 χ^2/NDF : 1521.5/67

- sign -20.973 ± 0.548 χ^2/NDF : 836.2/33

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -21.921 ± 0.029 $\chi^2/\text{NDF}: 126508.1/16$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

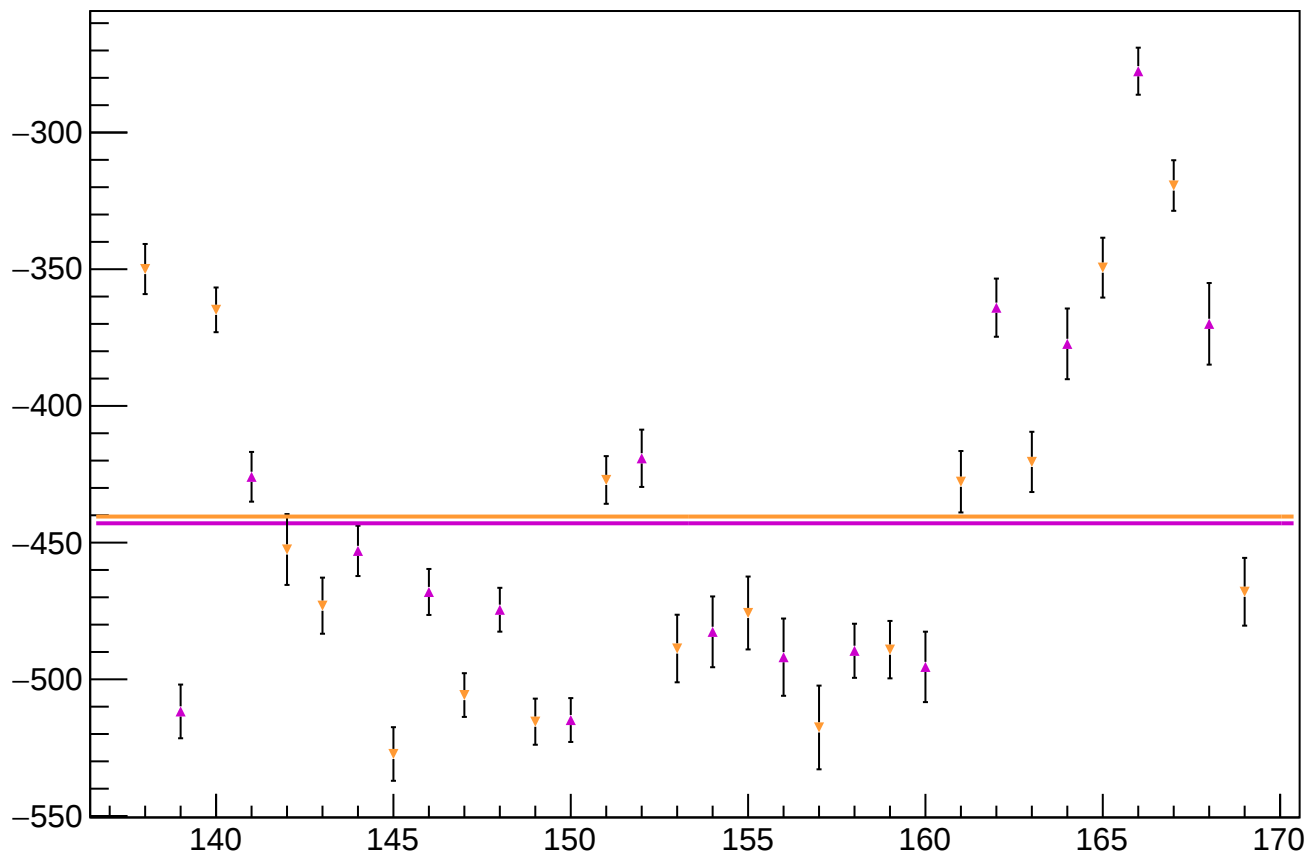
Left In: -20.453 ± 0.030 $\chi^2/\text{NDF}: 83071.5/14$

+ sign -21.826 ± 0.026 $\chi^2/\text{NDF}: 175529.5/33$

All: -20.940 ± 0.019 $\chi^2/\text{NDF}: 342340.9/67$

- sign -20.024 ± 0.027 $\chi^2/\text{NDF}: 164484.9/33$

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -440.465+/-2.471 χ^2/NDF : 739.8/16

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

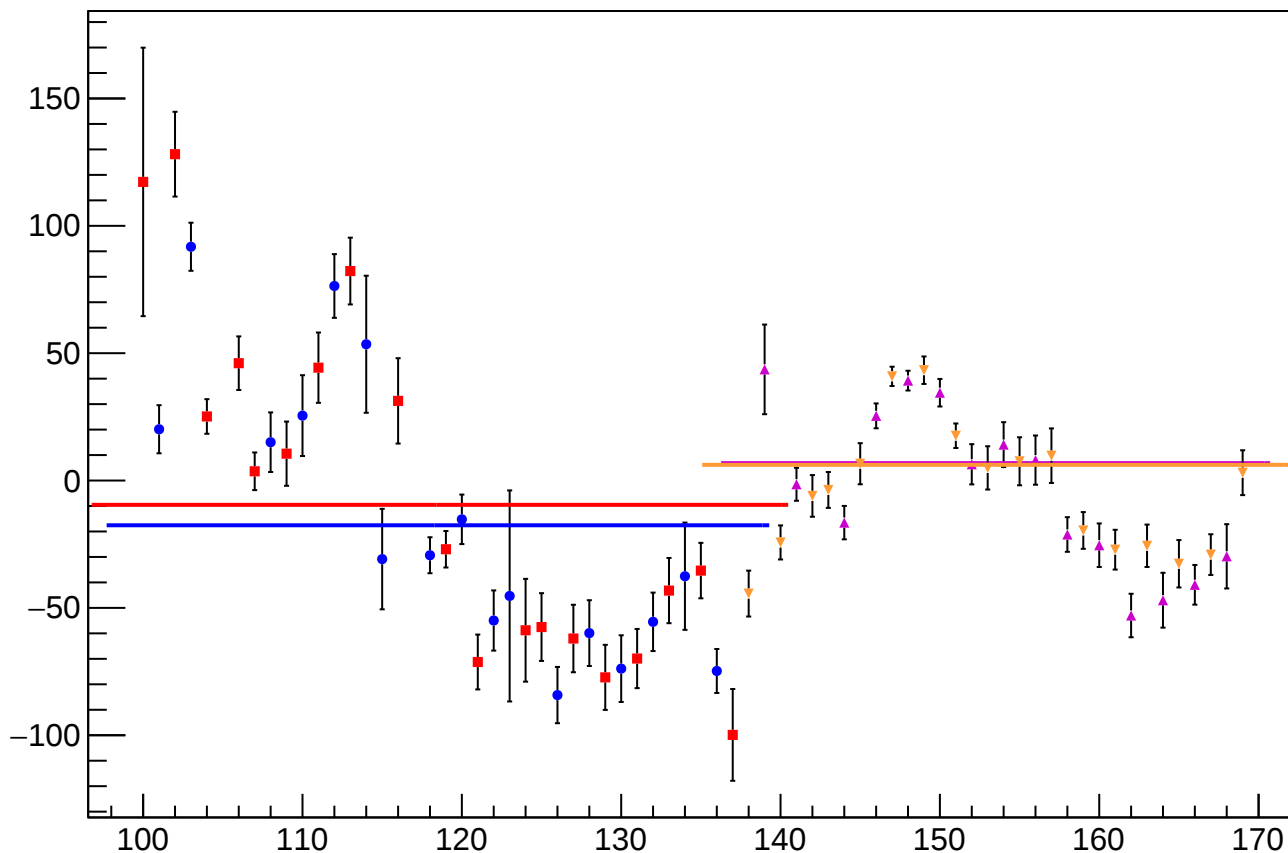
Left In: -442.932+/-2.594 χ^2/NDF : 697.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -441.639+/-1.789 χ^2/NDF : 1438.1/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 6.167 ± 1.675 χ^2/NDF : 276.2/16

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

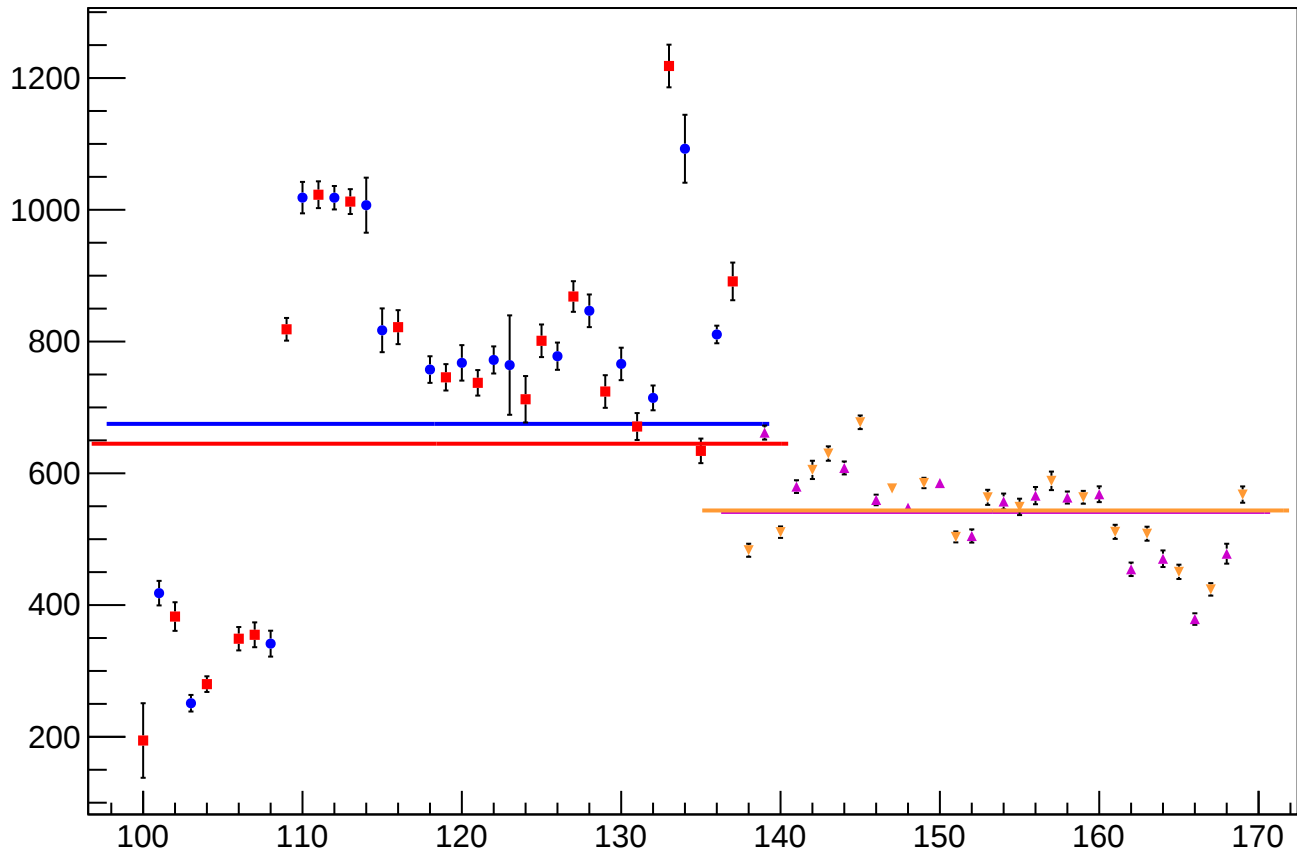
Left In: 6.838 ± 1.788 χ^2/NDF : 280.8/14

+ sign -0.022 ± 1.440 χ^2/NDF : 692.3/33

All: 0.771 ± 1.030 χ^2/NDF : 1370.9/67

- sign 1.602 ± 1.475 χ^2/NDF : 677.9/33

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2/NDF : 2584.3/16

Left Out: 543.589 $\pm$ 2.439 χ^2/NDF : 647.0/16

Right Out: 644.915 $\pm$ 4.761 χ^2/NDF : 3122.2/18

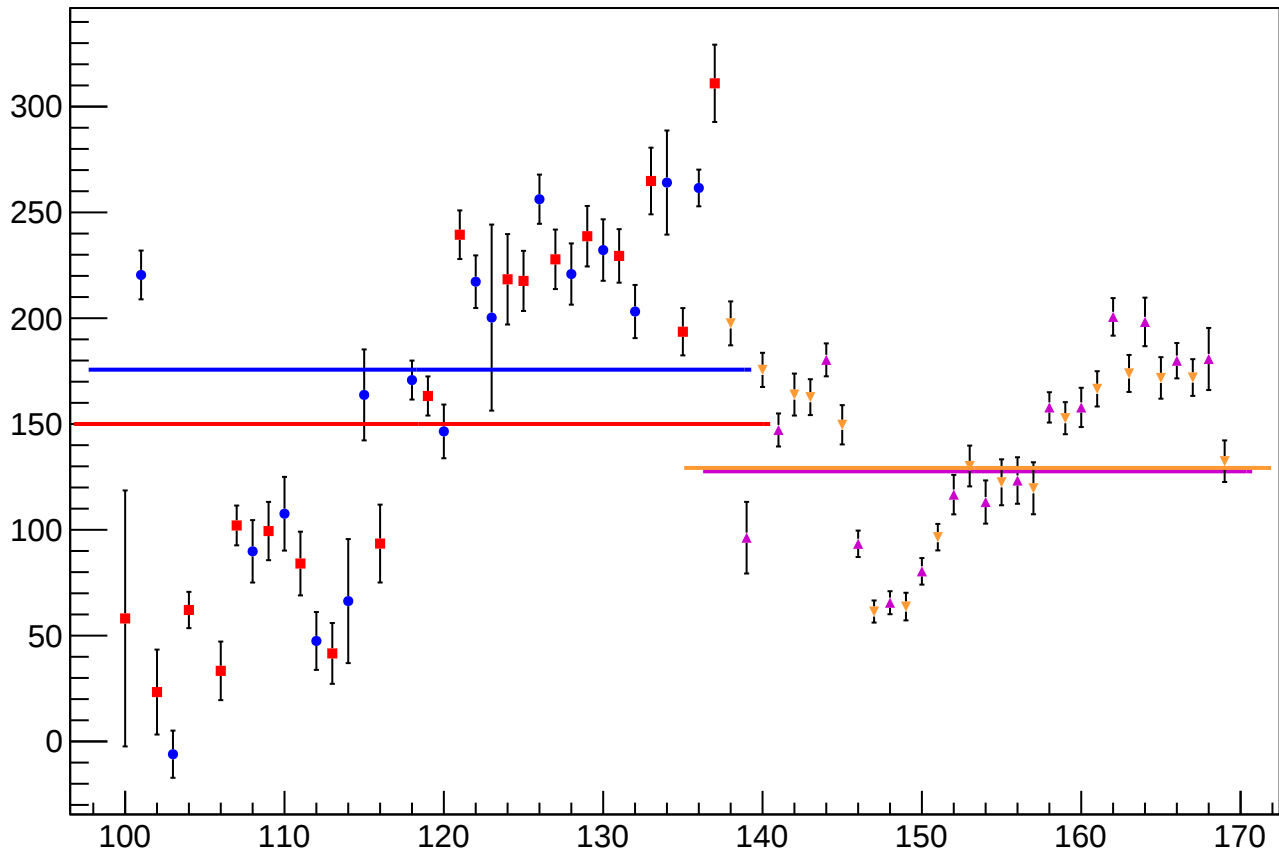
Left In: 541.400 $\pm$ 2.535 χ^2/NDF : 725.0/14

+ sign 568.316 $\pm$ 2.198 χ^2/NDF : 3777.7/33

All: 566.323 $\pm$ 1.568 χ^2/NDF : 7994.9/67

- sign 564.258 $\pm$ 2.237 χ^2/NDF : 4215.5/33

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 129.252 $\pm$ 1.997 χ^2 /NDF: 505.4/16

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

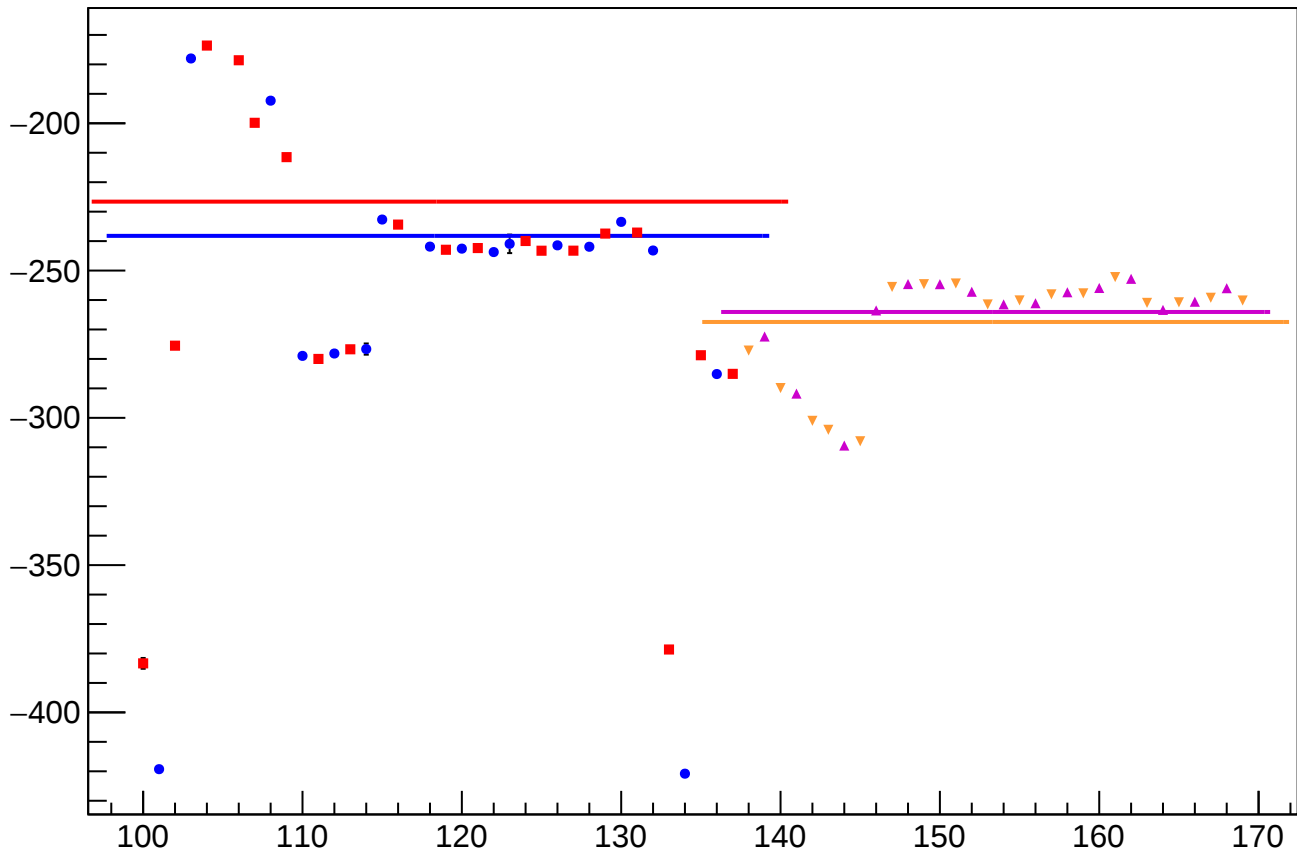
Left In: 127.638 $\pm$ 2.127 χ^2 /NDF: 462.6/14

+ sign 142.047 $\pm$ 1.700 χ^2 /NDF: 1292.3/33

All: 138.604 $\pm$ 1.217 χ^2 /NDF: 2493.4/67

- sign 134.985 $\pm$ 1.743 χ^2 /NDF: 1192.7/33

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -267.452 ± 0.098 χ^2/NDF : 32623.3/16

Right Out: -226.597 ± 0.151 χ^2/NDF : 102562.3/18

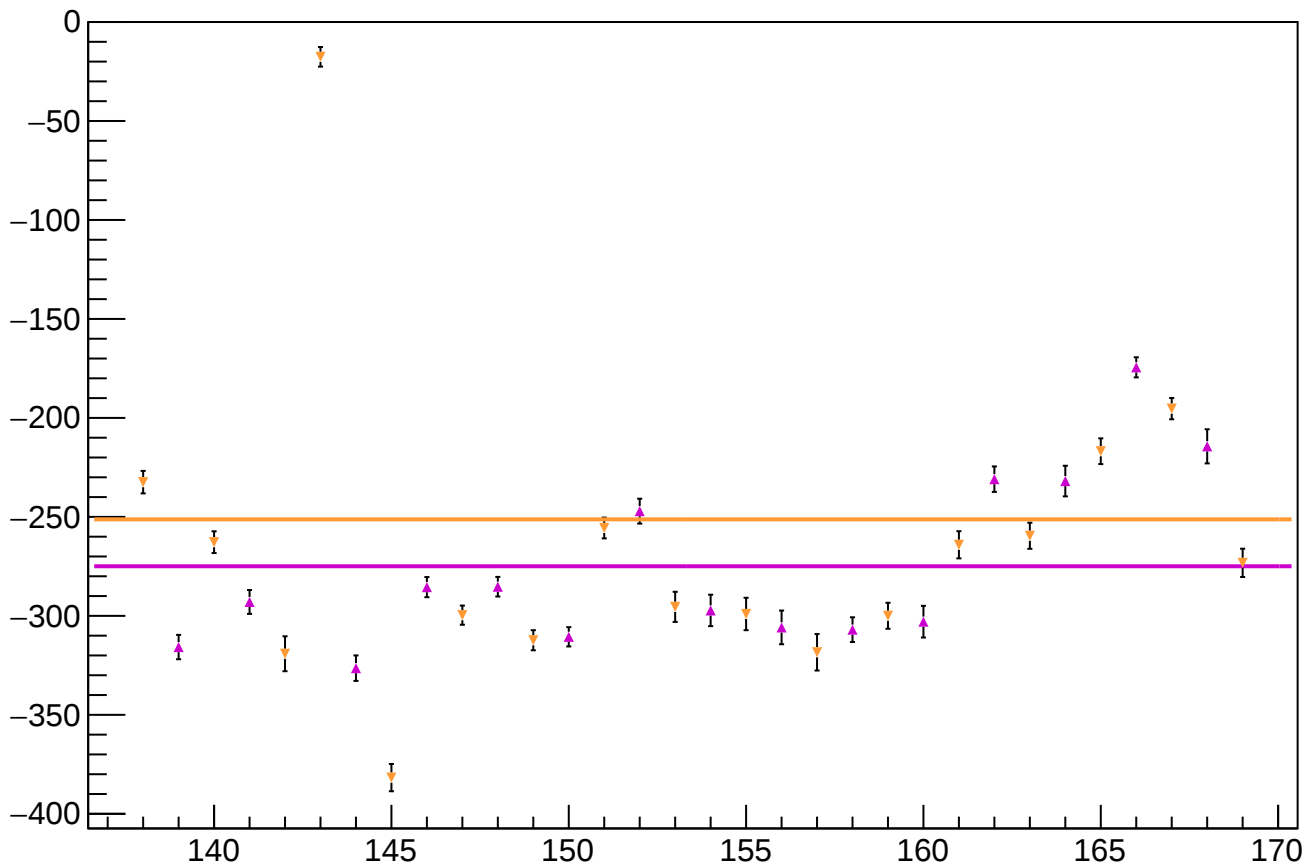
Left In: -264.057 ± 0.102 χ^2/NDF : 20557.2/14

+ sign -259.513 ± 0.084 χ^2/NDF : 223925.0/33

All: -255.985 ± 0.059 χ^2/NDF : 392886.8/67

- sign -252.389 ± 0.084 χ^2/NDF : 165366.5/33

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -251.253+/-1.498 χ^2/NDF : 3236.1/16

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

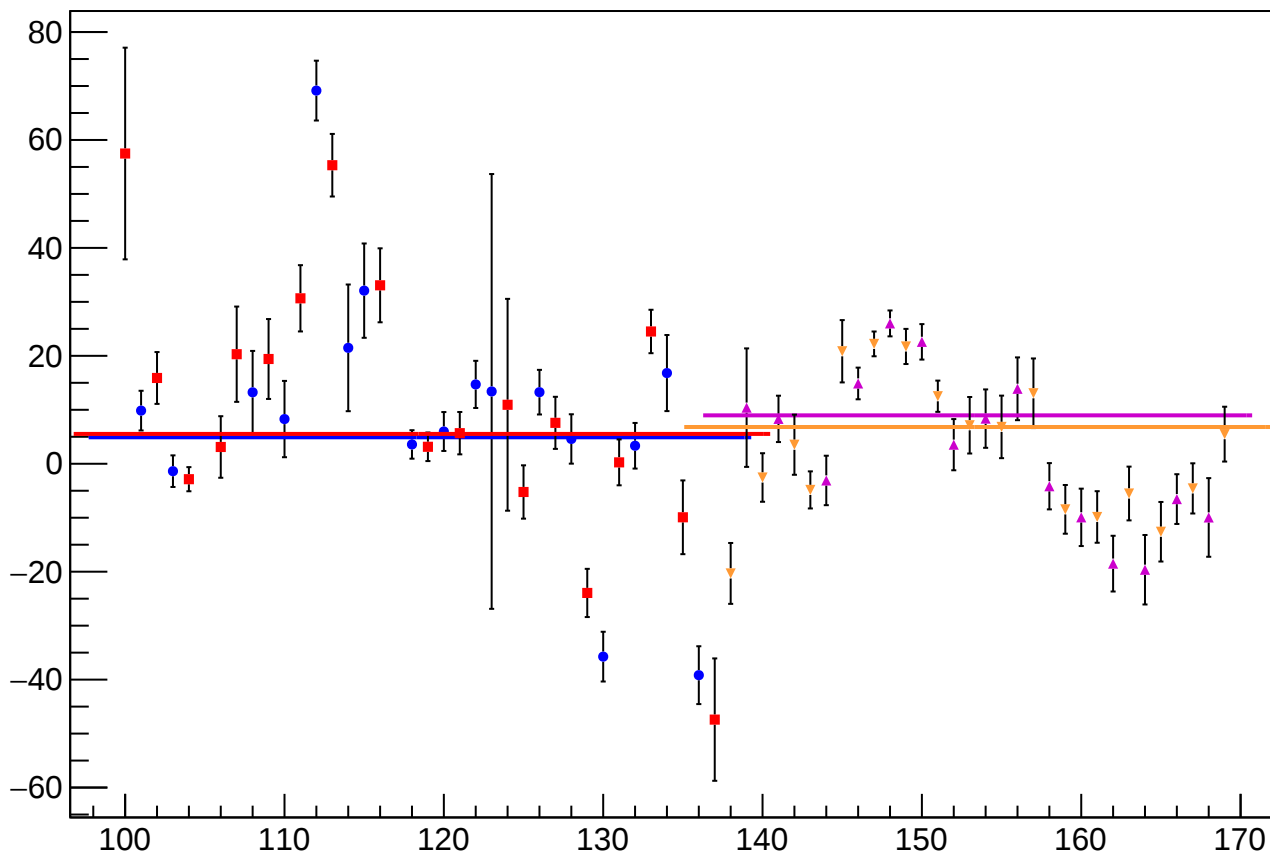
Left In: -274.939+/-1.604 χ^2/NDF : 775.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -262.290+/-1.095 χ^2/NDF : 4128.3/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 6.811 ± 1.014 χ^2/NDF : 164.2/16

Right Out: 5.530 ± 1.069 χ^2/NDF : 238.9/18

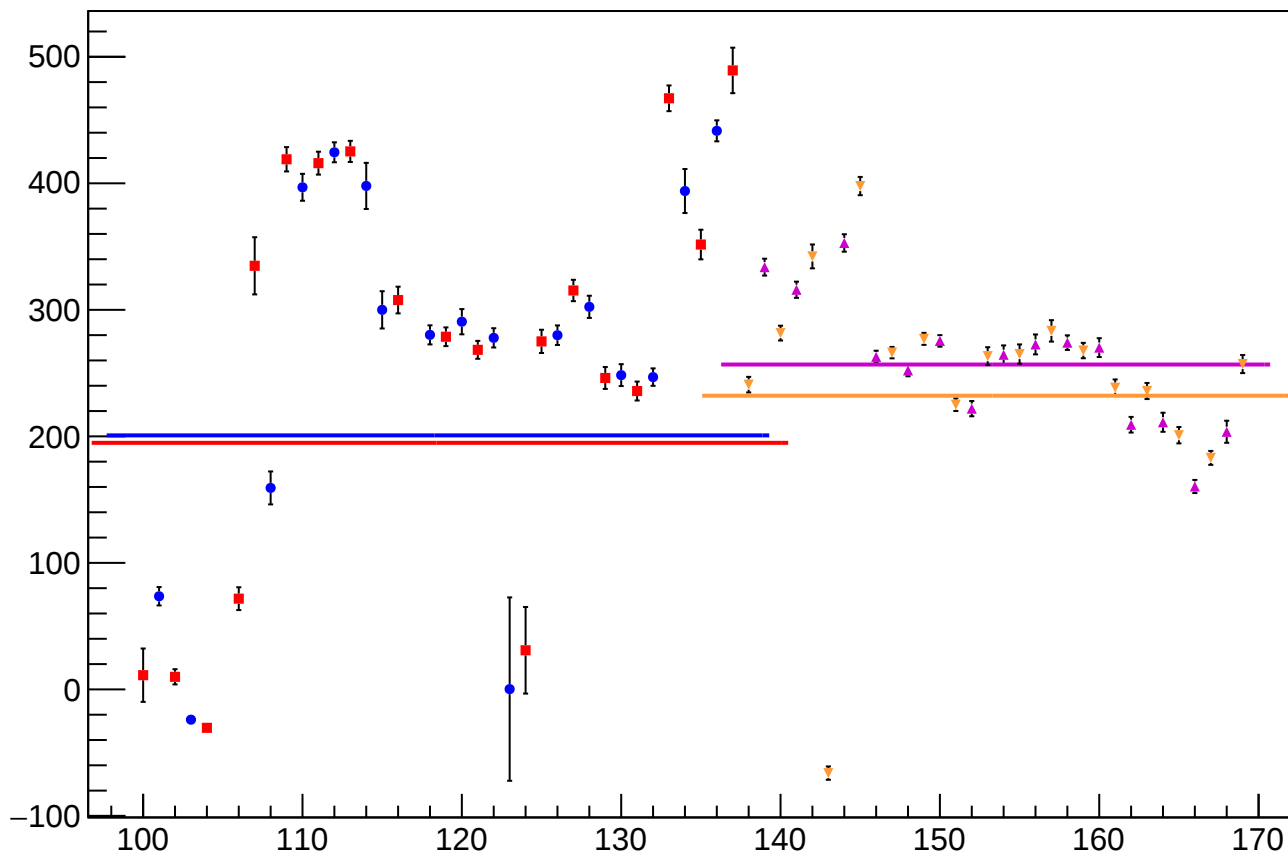
Left In: 8.970 ± 1.106 χ^2/NDF : 168.8/14

+ sign 5.940 ± 0.747 χ^2/NDF : 477.5/33

All: 6.548 ± 0.536 χ^2/NDF : 891.6/67

- sign 7.191 ± 0.768 χ^2/NDF : 412.7/33

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 232.125 $\pm$ 1.478 χ^2 /NDF: 4301.0/16

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

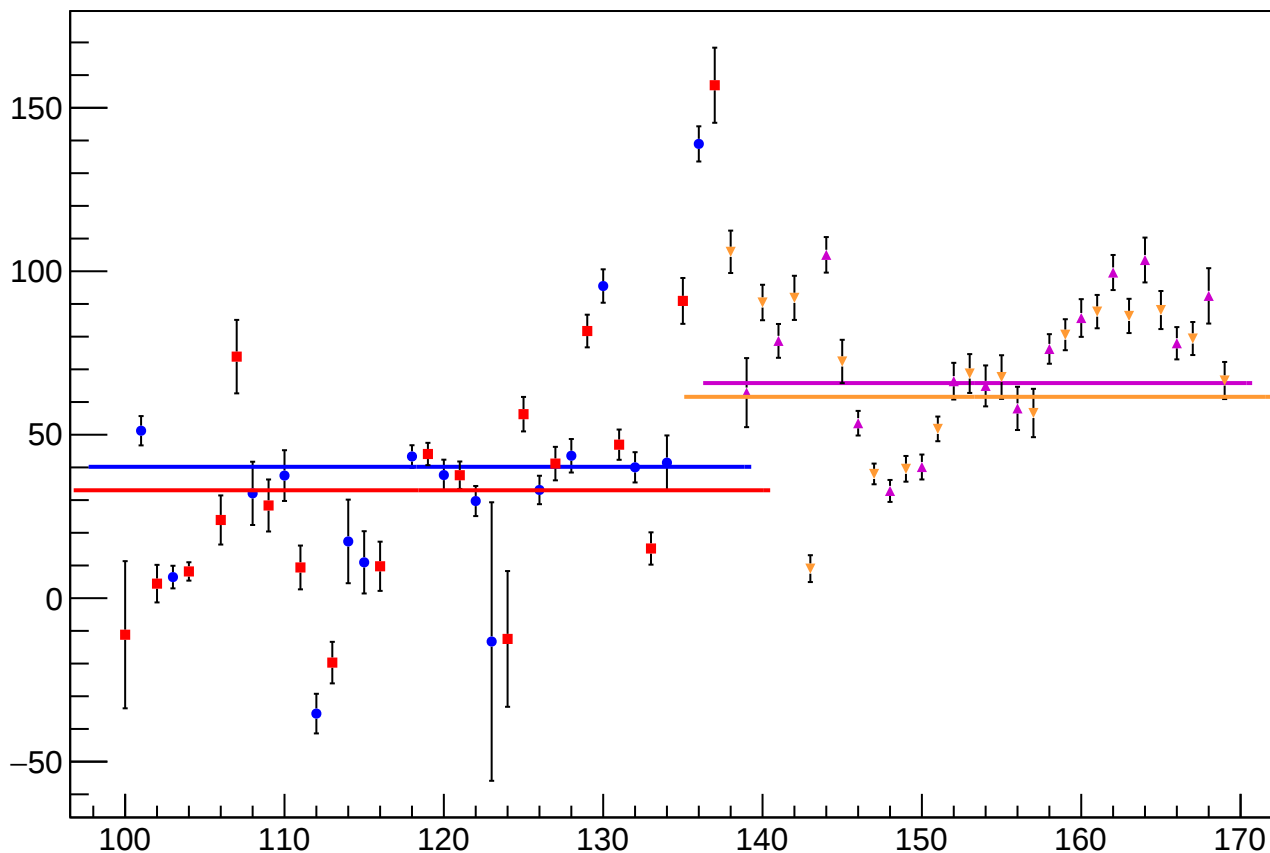
Left In: 256.778 $\pm$ 1.564 χ^2 /NDF: 962.1/14

+ sign 220.926 $\pm$ 1.185 χ^2 /NDF: 11194.6/33

All: 226.412 $\pm$ 0.848 χ^2 /NDF: 21070.9/67

- sign 232.161 $\pm$ 1.213 χ^2 /NDF: 9832.4/33

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 $\pm$ 1.283 χ^2 /NDF: 734.6/16

Left Out: 61.591 $\pm$ 1.208 χ^2 /NDF: 456.3/16

Right Out: 33.006 $\pm$ 1.250 χ^2 /NDF: 552.7/18

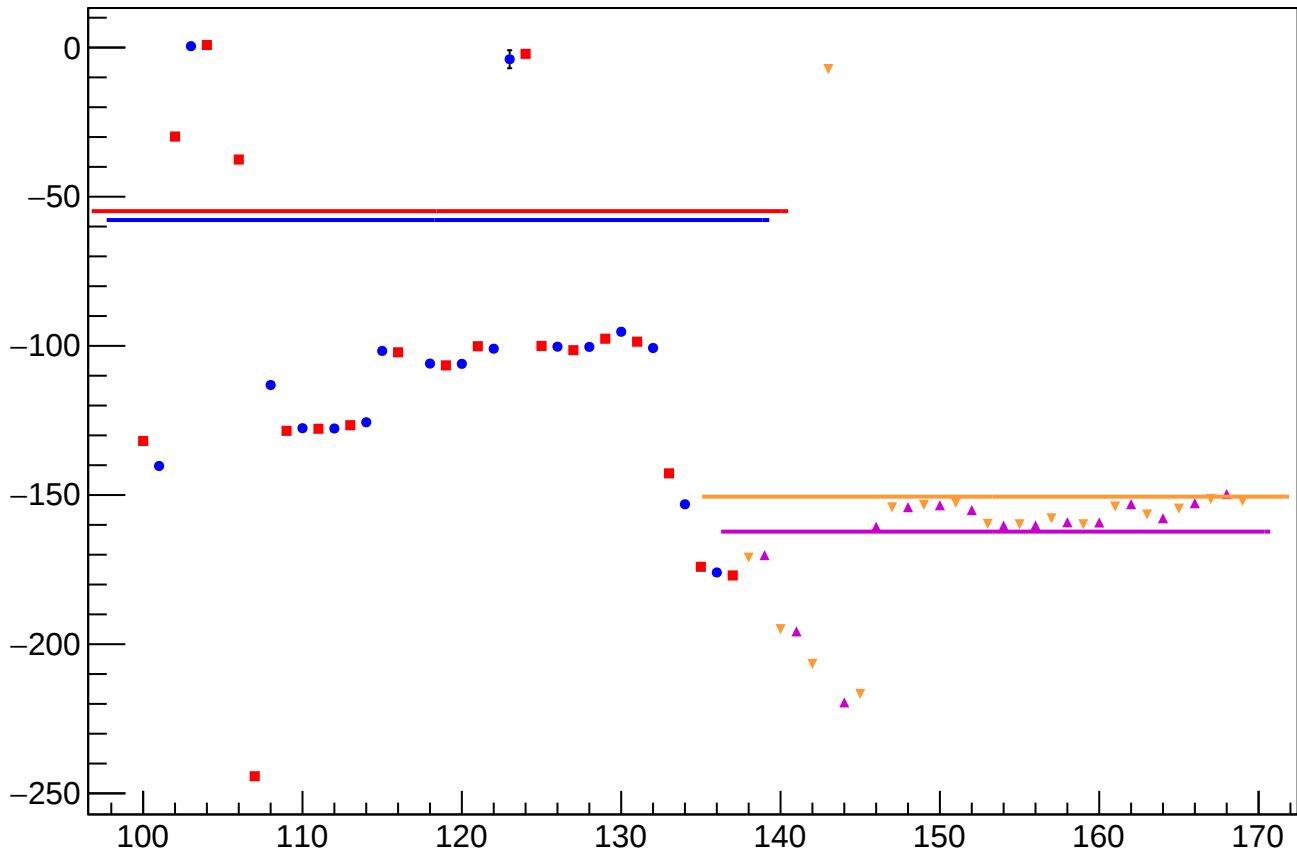
Left In: 65.799 $\pm$ 1.315 χ^2 /NDF: 315.2/14

+ sign 51.529 $\pm$ 0.880 χ^2 /NDF: 1338.4/33

All: 50.095 $\pm$ 0.631 χ^2 /NDF: 2538.3/67

- sign 48.573 $\pm$ 0.906 χ^2 /NDF: 1194.5/33

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 $\pm$ 0.062 χ^2 /NDF: 1101296.2/16

Left Out: -150.537 $\pm$ 0.059 χ^2 /NDF: 579888.4/16

Right Out: -54.833 $\pm$ 0.060 χ^2 /NDF: 1000741.7/18

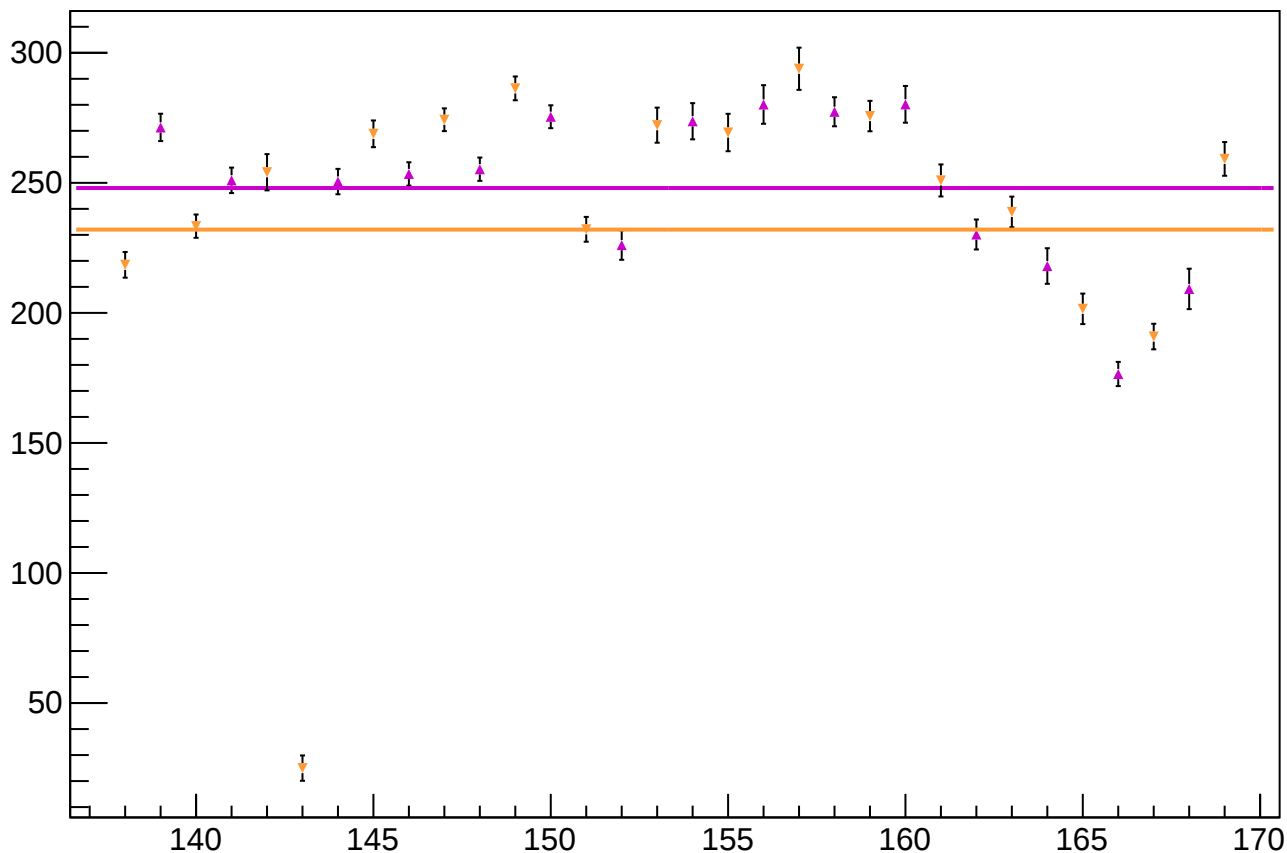
Left In: -162.260 $\pm$ 0.063 χ^2 /NDF: 63695.0/14

+ sign -106.065 $\pm$ 0.043 χ^2 /NDF: 2852796.0/33

All: -106.208 $\pm$ 0.030 χ^2 /NDF: 5442904.8/67

- sign -106.356 $\pm$ 0.043 χ^2 /NDF: 2590086.1/33

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 232.024+/-1.324 χ^2/NDF : 2411.3/16

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

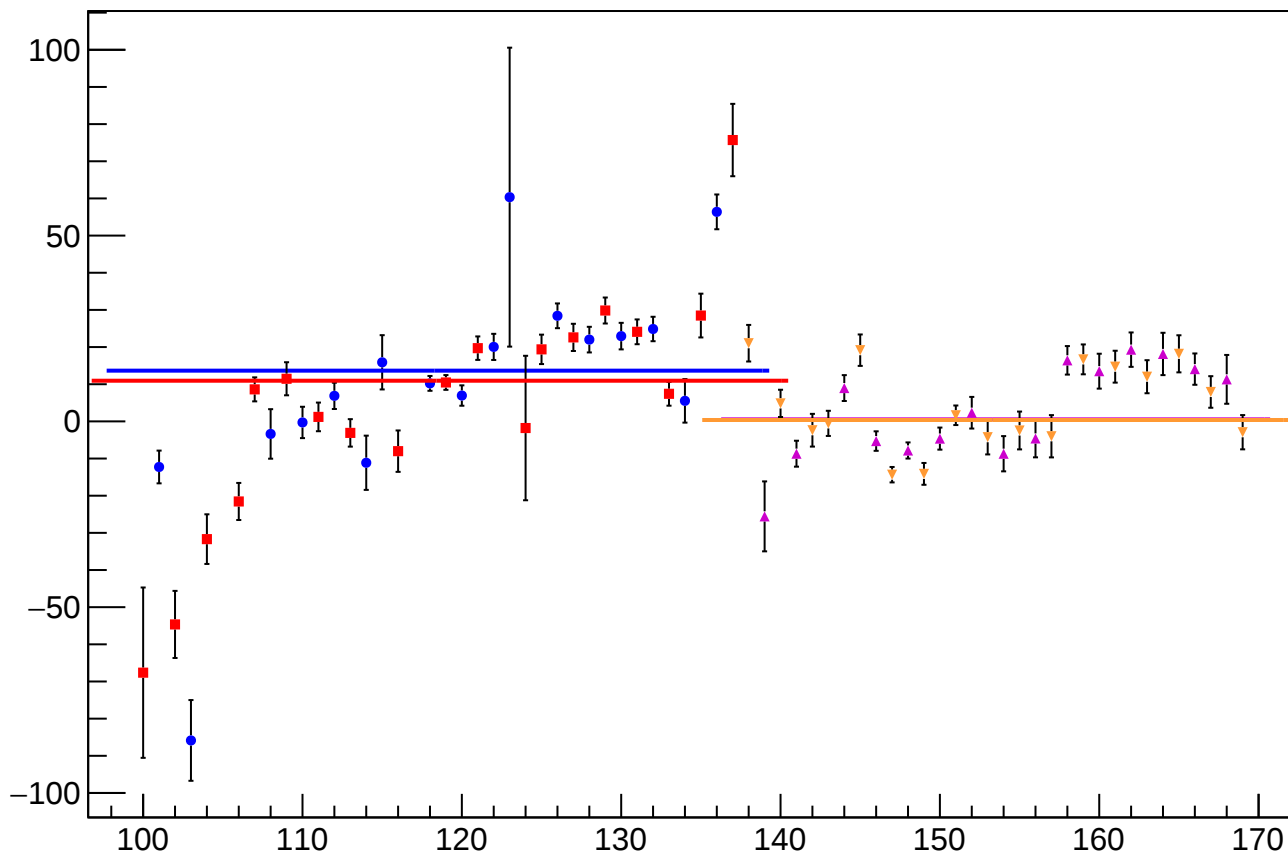
Left In: 248.008+/-1.404 χ^2/NDF : 448.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 239.548+/-0.963 χ^2/NDF : 2928.7/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: 0.374 $\pm$ 0.902 χ^2 /NDF: 167.0/16

Right Out: 10.944 $\pm$ 0.913 χ^2 /NDF: 302.5/18

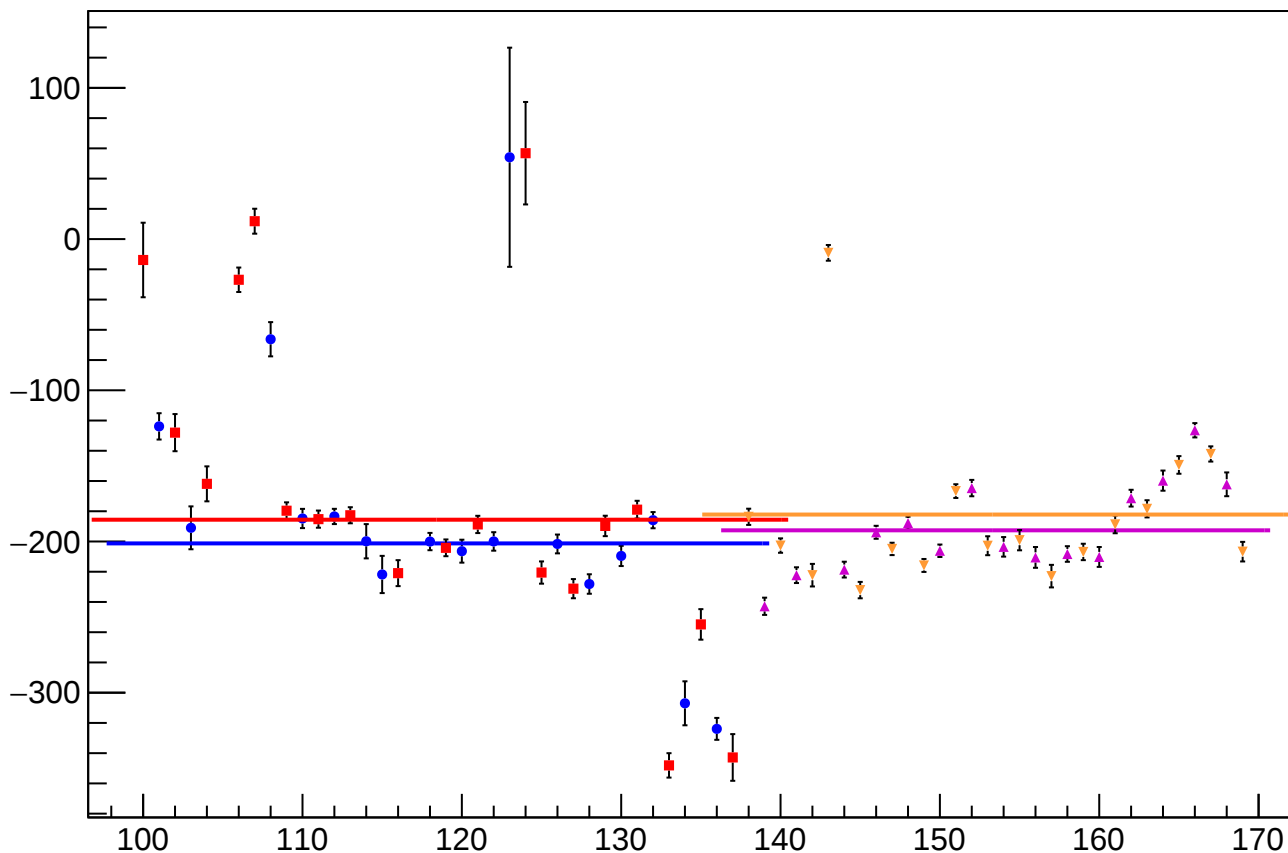
Left In: 0.555 $\pm$ 0.973 χ^2 /NDF: 112.2/14

+ sign 6.769 $\pm$ 0.650 χ^2 /NDF: 565.2/33

All: 6.433 $\pm$ 0.465 χ^2 /NDF: 1041.1/67

- sign 6.081 $\pm$ 0.666 χ^2 /NDF: 475.3/33

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -182.182 ± 1.310 χ^2/NDF : 1523.7/16

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

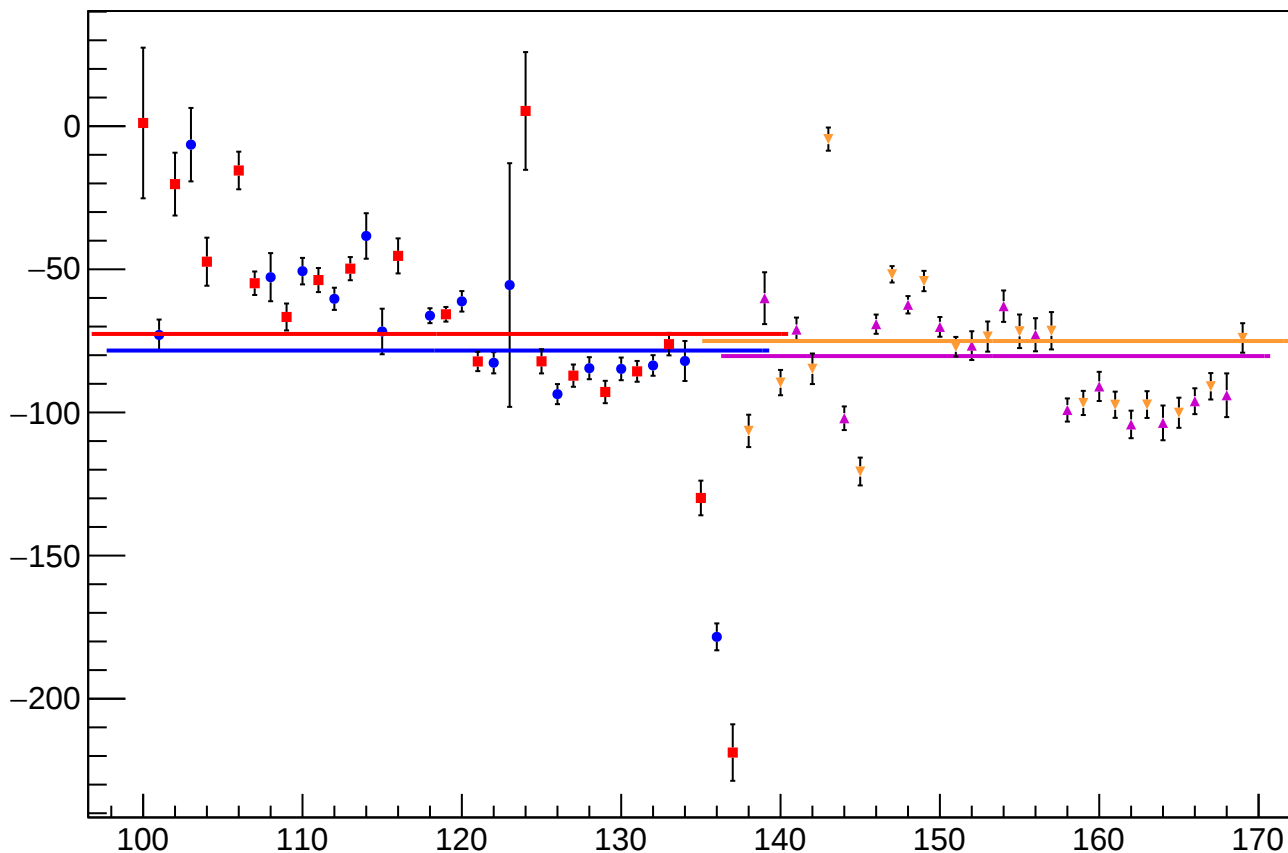
Left In: -192.617 ± 1.374 χ^2/NDF : 448.8/14

+ sign -188.812 ± 1.058 χ^2/NDF : 2220.9/33

All: -189.321 ± 0.752 χ^2/NDF : 4426.5/67

- sign -189.841 ± 1.068 χ^2/NDF : 2205.2/33

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -75.051 ± 1.074 χ^2/NDF : 645.9/16

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

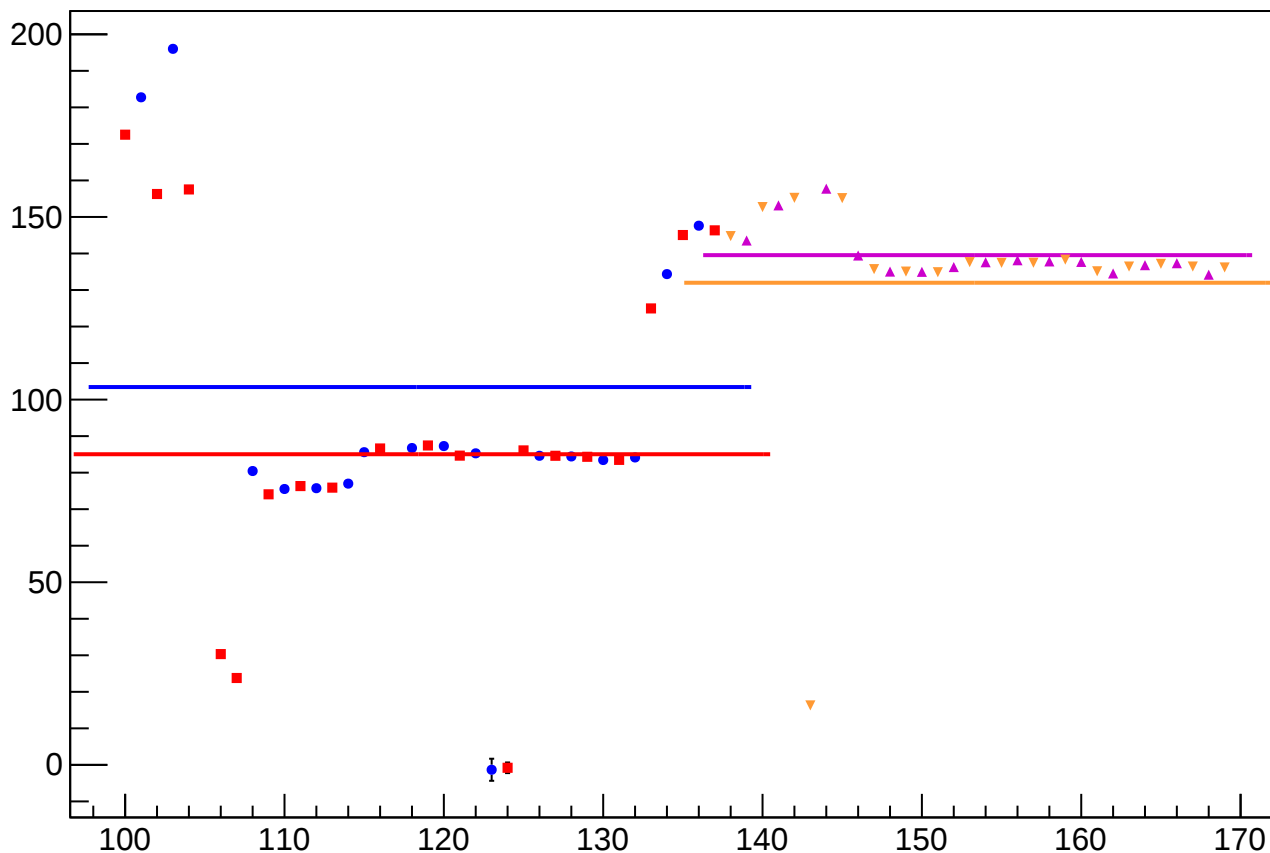
Left In: -80.306 ± 1.156 χ^2/NDF : 185.2/14

+ sign -76.703 ± 0.762 χ^2/NDF : 1302.0/33

All: -76.395 ± 0.544 χ^2/NDF : 2117.8/67

- sign -76.075 ± 0.778 χ^2/NDF : 815.5/33

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 ± 0.071 $\chi^2/\text{NDF}: 272785.6/16$

Left Out: 131.991 ± 0.053 $\chi^2/\text{NDF}: 346386.2/16$

Right Out: 85.043 ± 0.064 $\chi^2/\text{NDF}: 422343.0/18$

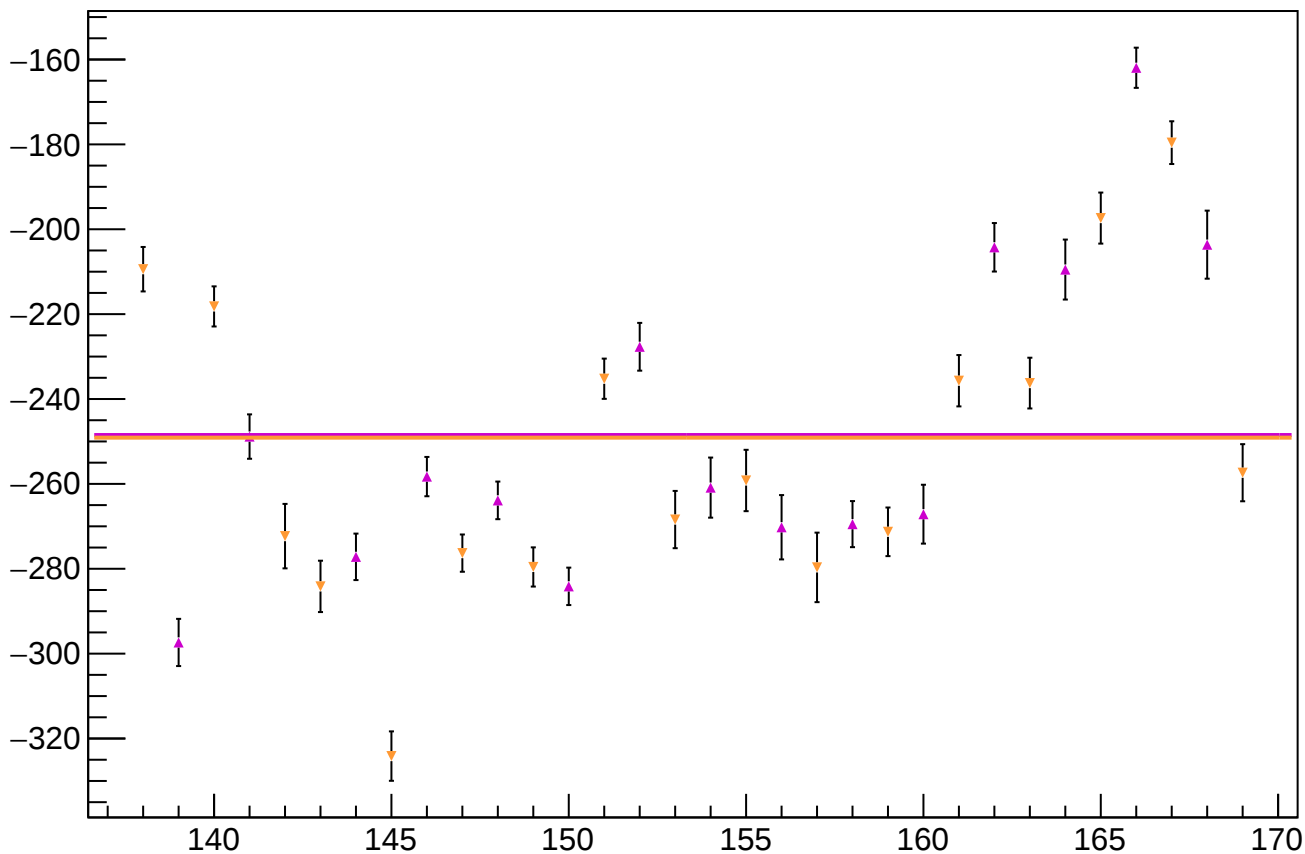
Left In: 139.546 ± 0.055 $\chi^2/\text{NDF}: 13783.2/14$

+ sign 121.869 ± 0.042 $\chi^2/\text{NDF}: 723942.5/33$

All: 119.016 ± 0.030 $\chi^2/\text{NDF}: 1587508.2/67$

- sign 116.232 ± 0.042 $\chi^2/\text{NDF}: 854534.2/33$

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -249.103+/-1.374 χ^2/NDF : 714.3/16

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

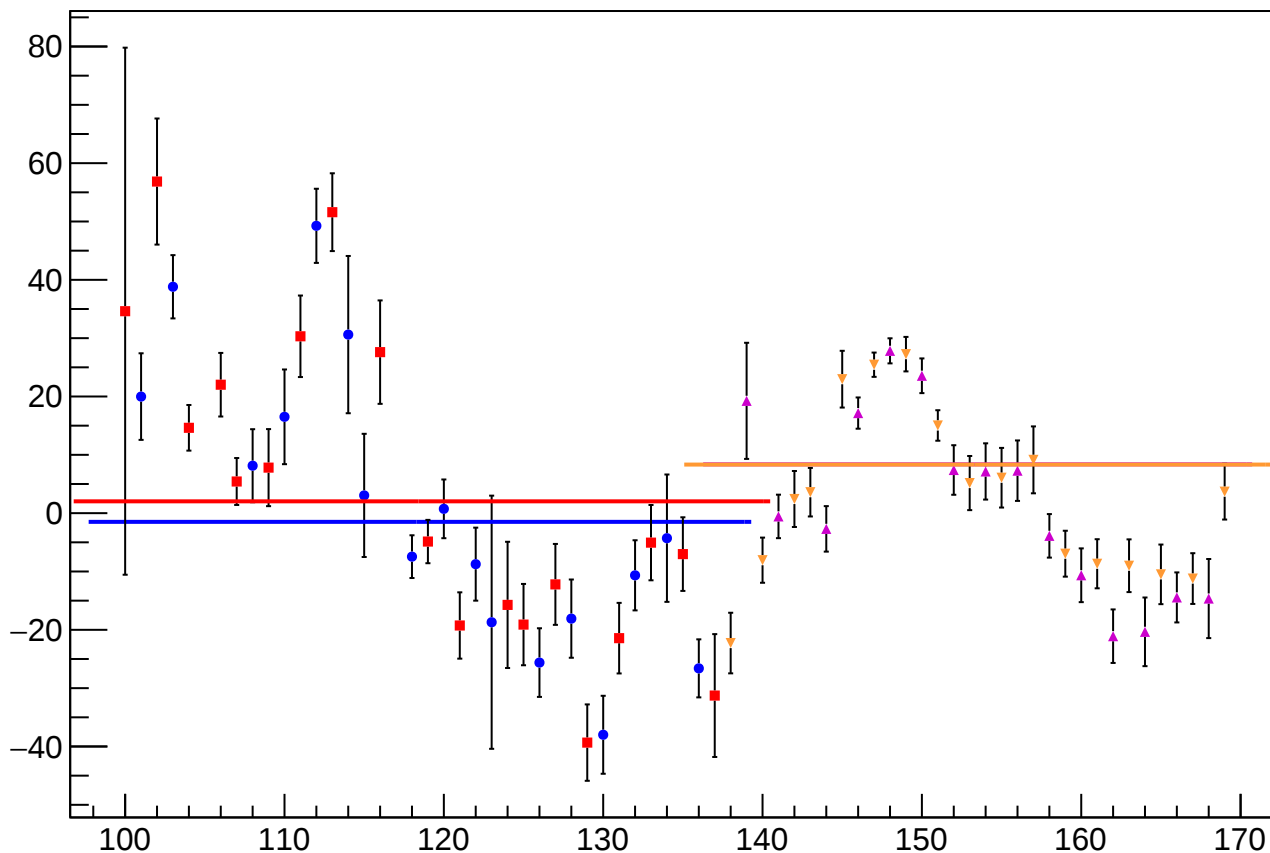
Left In: -248.488+/-1.435 χ^2/NDF : 689.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -248.809+/-0.993 χ^2/NDF : 1403.9/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 8.329 ± 0.929 χ^2/NDF : 261.2/16

Right Out: 2.028 ± 1.400 χ^2/NDF : 233.3/18

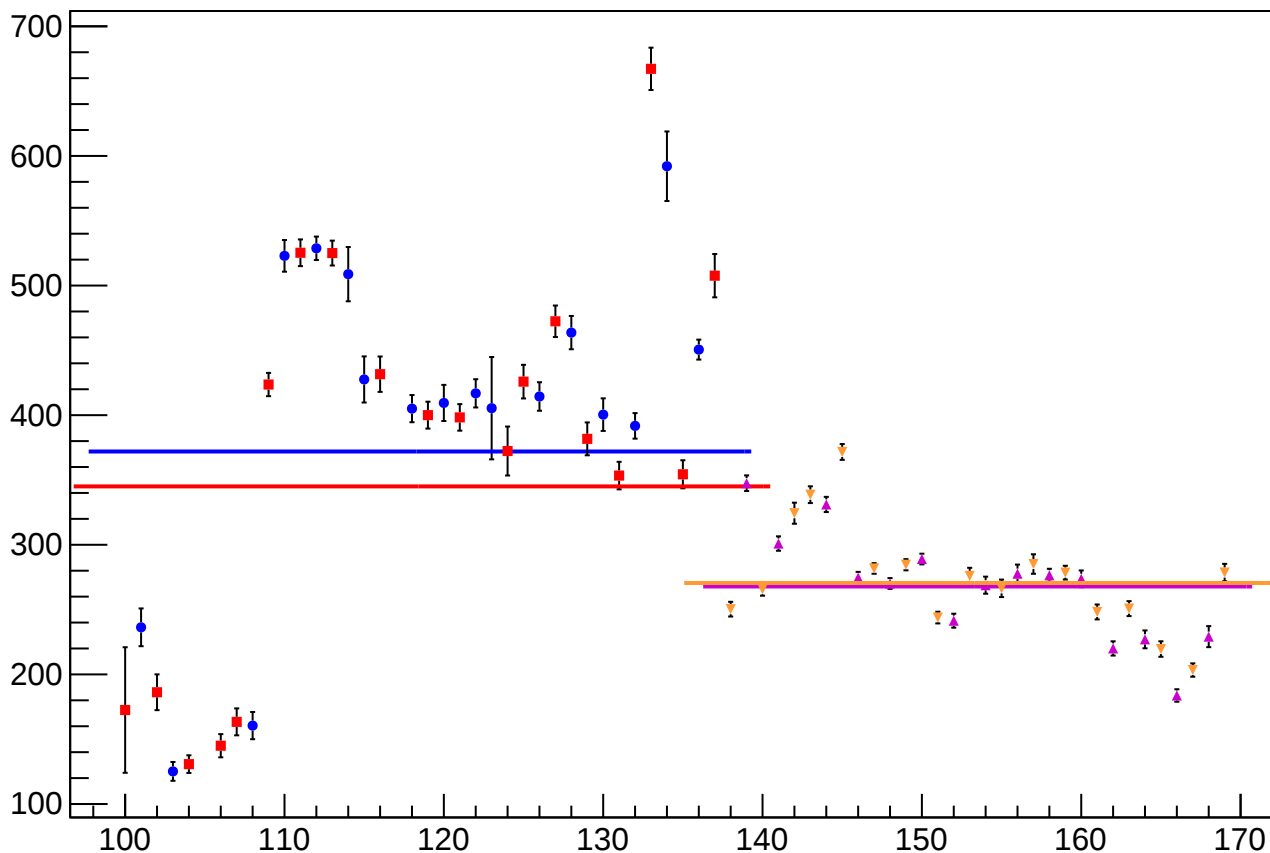
Left In: 8.368 ± 0.988 χ^2/NDF : 266.6/14

+ sign 5.700 ± 0.795 χ^2/NDF : 517.1/33

All: 5.975 ± 0.566 χ^2/NDF : 1030.9/67

- sign 6.258 ± 0.807 χ^2/NDF : 513.6/33

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 270.541 $\pm$ 1.352 χ^2 /NDF: 773.1/16

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

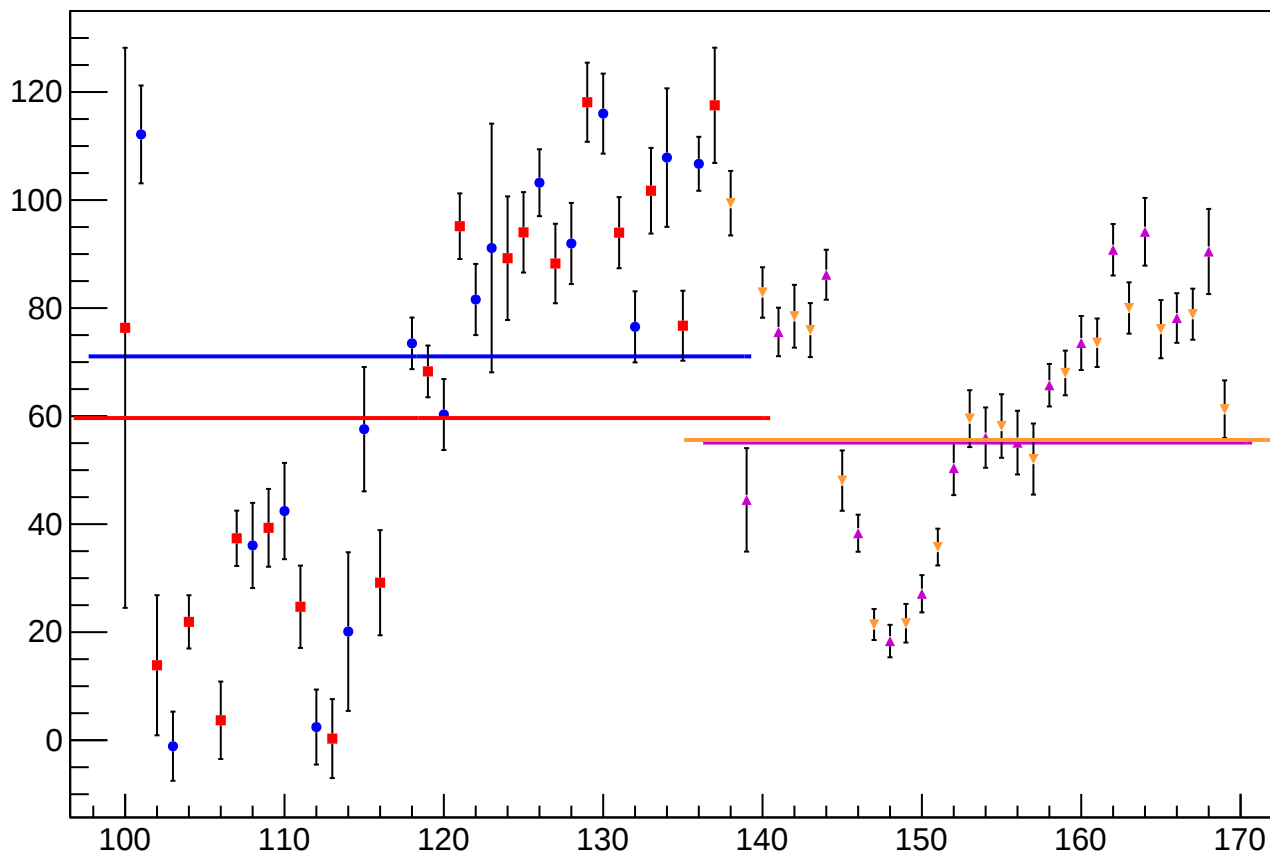
Left In: 267.826 $\pm$ 1.399 χ^2 /NDF: 823.3/14

+ sign 289.974 $\pm$ 1.216 χ^2 /NDF: 4283.8/33

All: 287.792 $\pm$ 0.864 χ^2 /NDF: 9228.4/67

- sign 285.565 $\pm$ 1.228 χ^2 /NDF: 4938.2/33

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 55.578 $\pm$ 1.107 χ^2 /NDF:480.0/16

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

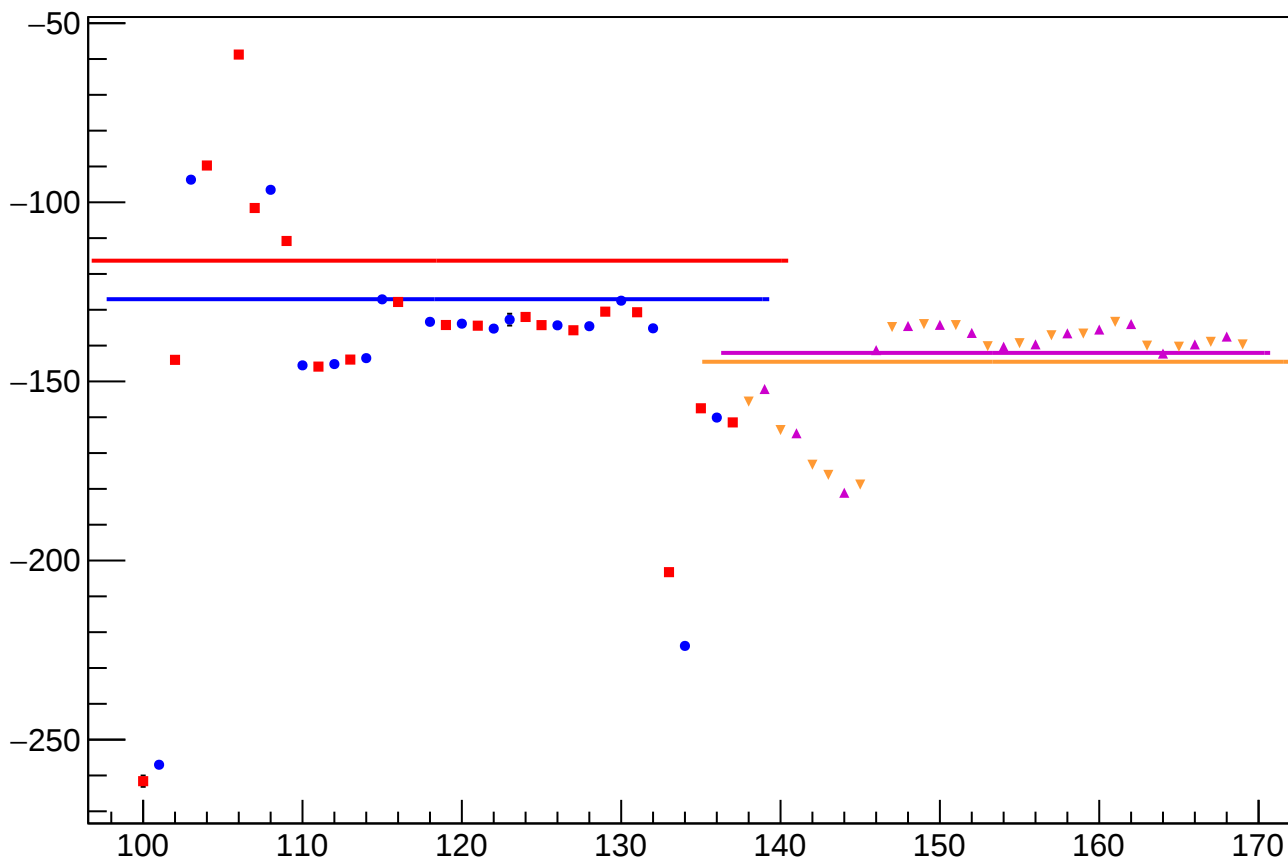
Left In: 55.109 $\pm$ 1.175 χ^2 /NDF:468.2/14

+ sign 59.952 $\pm$ 0.938 χ^2 /NDF: 961.4/33

All: 58.331 $\pm$ 0.668 χ^2 /NDF: 1932.4/67

- sign 56.656 $\pm$ 0.953 χ^2 /NDF: 964.9/33

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -144.512 ± 0.054 $\chi^2/\text{NDF}: 68892.7/16$

Right Out: -116.295 ± 0.083 $\chi^2/\text{NDF}: 167109.1/18$

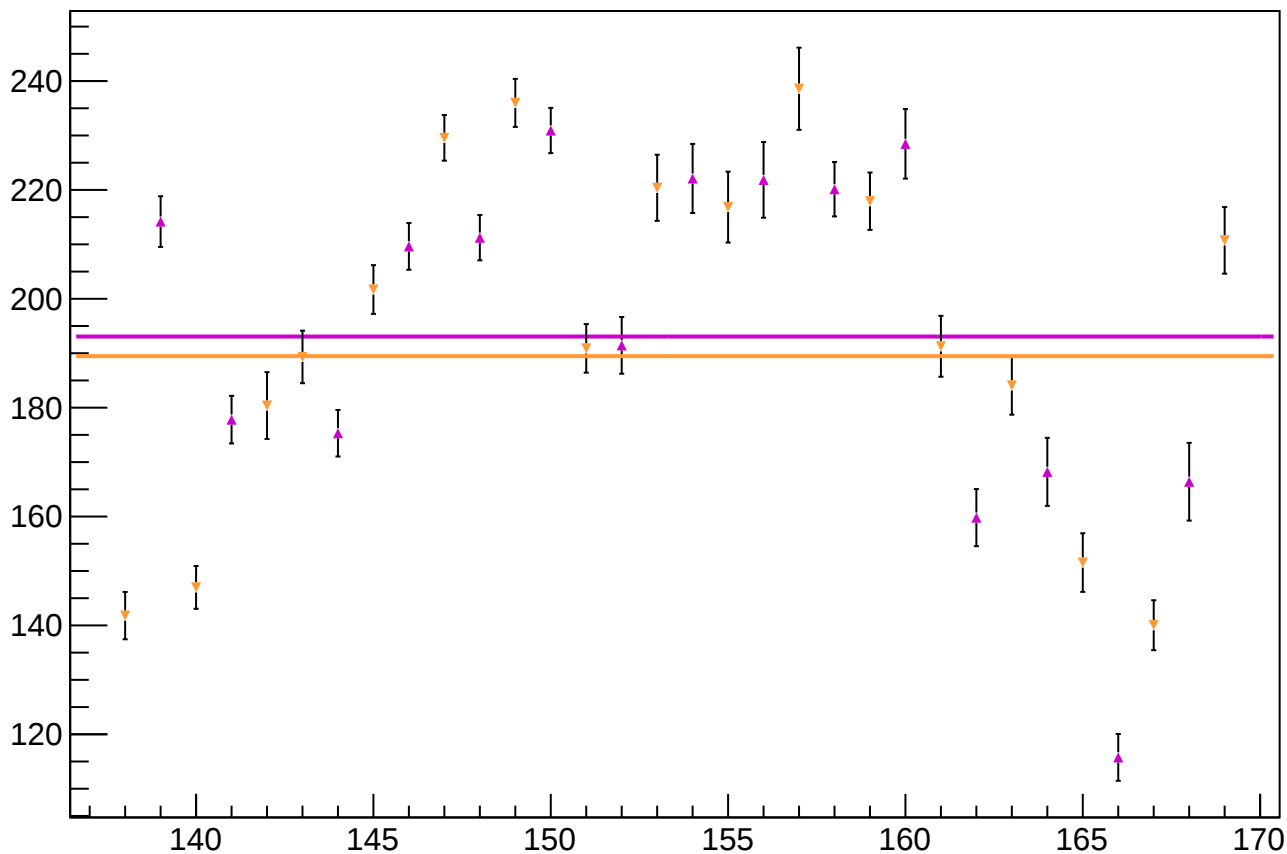
Left In: -142.037 ± 0.056 $\chi^2/\text{NDF}: 43433.0/14$

+ sign -139.843 ± 0.046 $\chi^2/\text{NDF}: 263628.4/33$

All: -136.908 ± 0.033 $\chi^2/\text{NDF}: 548234.2/67$

- sign -133.968 ± 0.046 $\chi^2/\text{NDF}: 276602.6/33$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 189.460+/-1.217 χ^2/NDF : 743.5/16

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

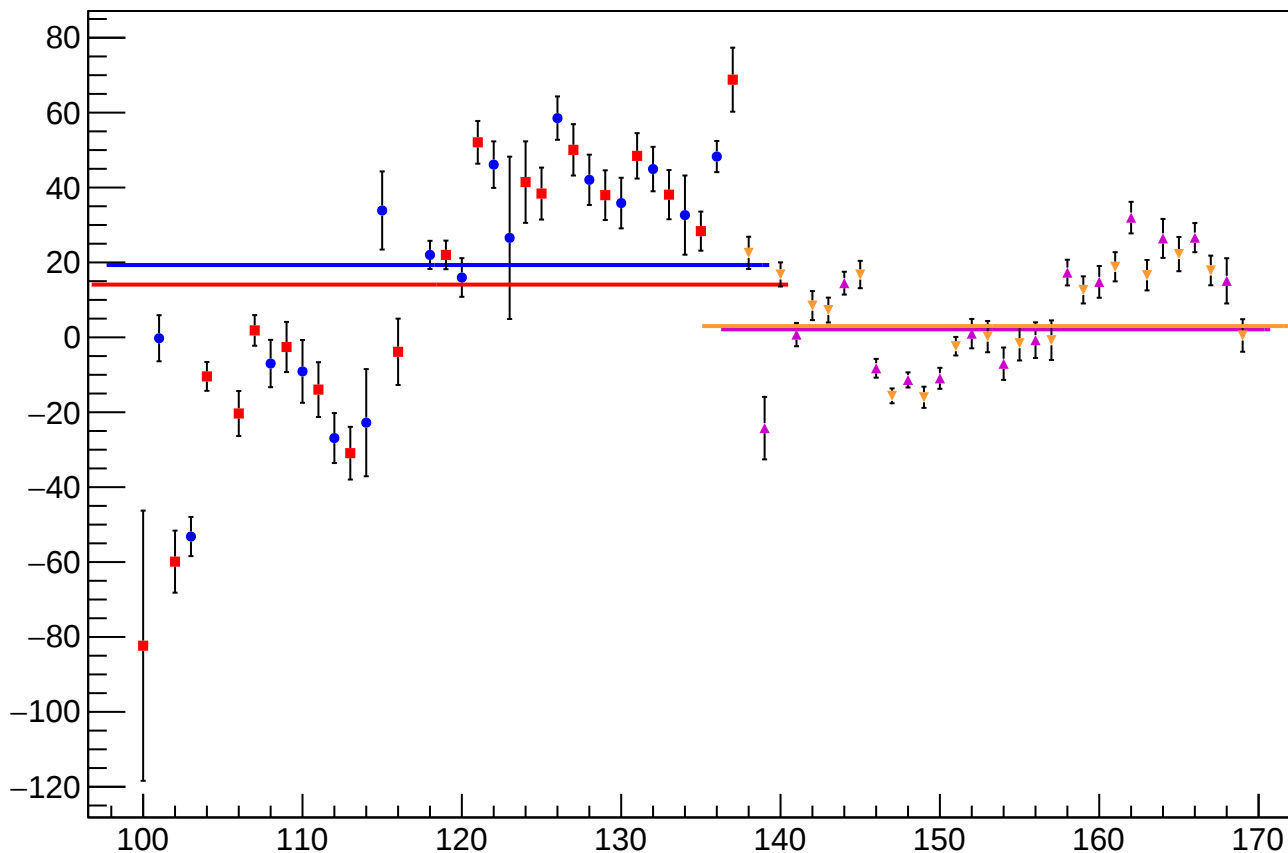
Left In: 193.067+/-1.285 χ^2/NDF : 658.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 191.166+/-0.884 χ^2/NDF : 1405.7/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 $\pm$ 1.500 χ^2 /NDF: 441.3/16

Left Out: 3.013 $\pm$ 0.836 χ^2 /NDF: 263.6/16

Right Out: 14.083 $\pm$ 1.390 χ^2 /NDF: 436.9/18

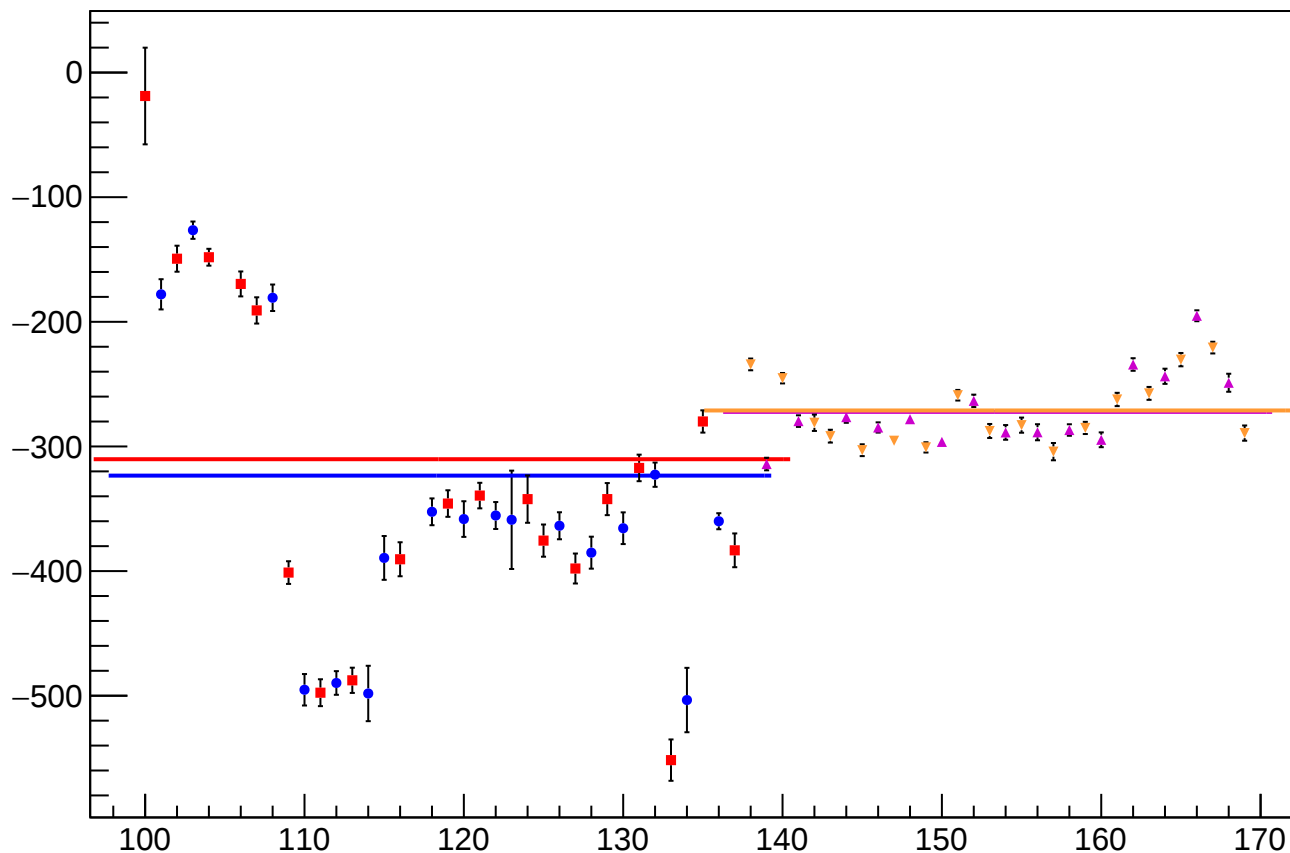
Left In: 2.142 $\pm$ 0.895 χ^2 /NDF: 259.7/14

+ sign 6.871 $\pm$ 0.730 χ^2 /NDF: 794.9/33

All: 6.277 $\pm$ 0.524 χ^2 /NDF: 1545.1/67

- sign 5.646 $\pm$ 0.753 χ^2 /NDF: 748.8/33

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 $\pm$ 2.684 χ^2 /NDF: 1849.6/16

Left Out: -271.127 $\pm$ 1.206 χ^2 /NDF: 496.5/16

Right Out: -310.236 $\pm$ 2.523 χ^2 /NDF: 2298.8/18

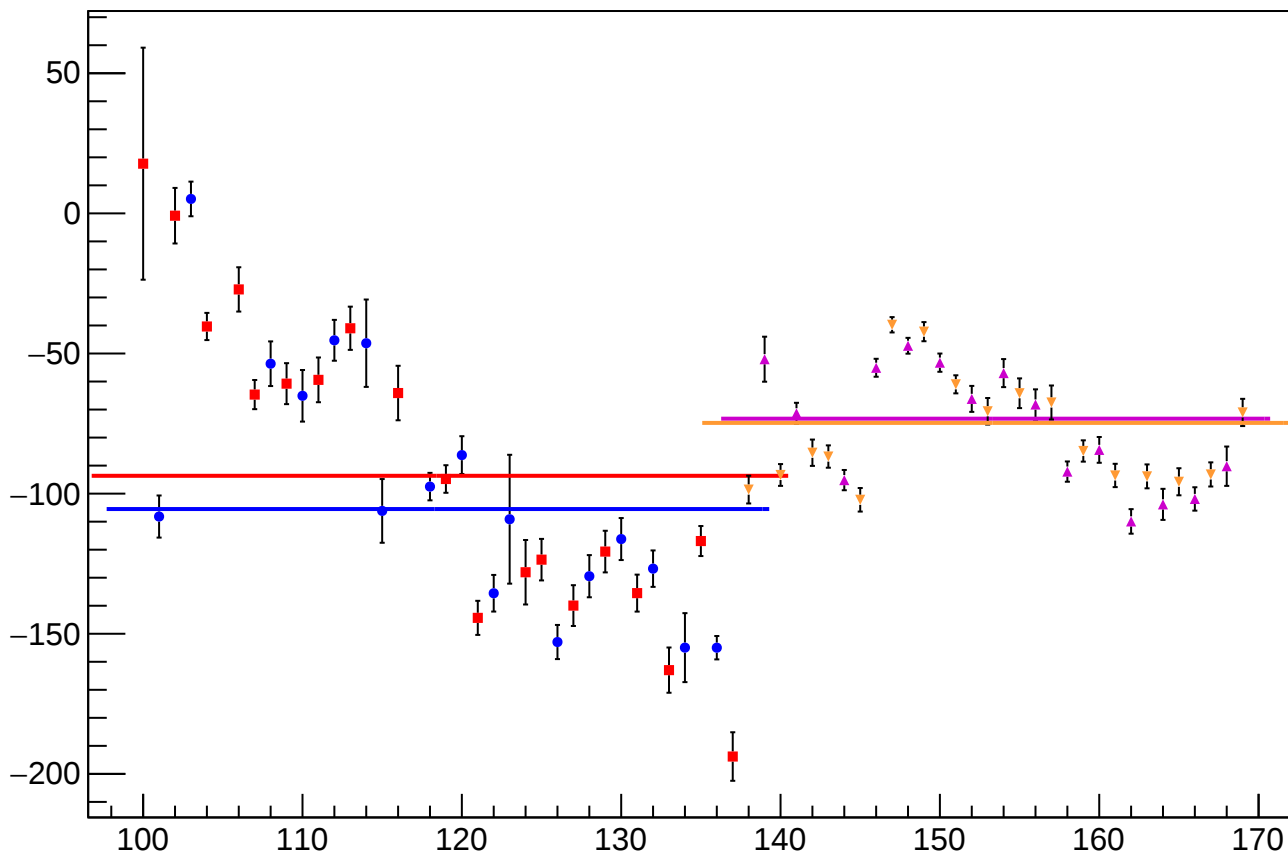
Left In: -272.274 $\pm$ 1.259 χ^2 /NDF: 562.7/14

+ sign -279.911 $\pm$ 1.100 χ^2 /NDF: 2661.7/33

All: -279.878 $\pm$ 0.787 χ^2 /NDF: 5704.5/67

- sign -279.844 $\pm$ 1.127 χ^2 /NDF: 3042.7/33

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -74.761 ± 0.992 χ^2/NDF : 466.7/16

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

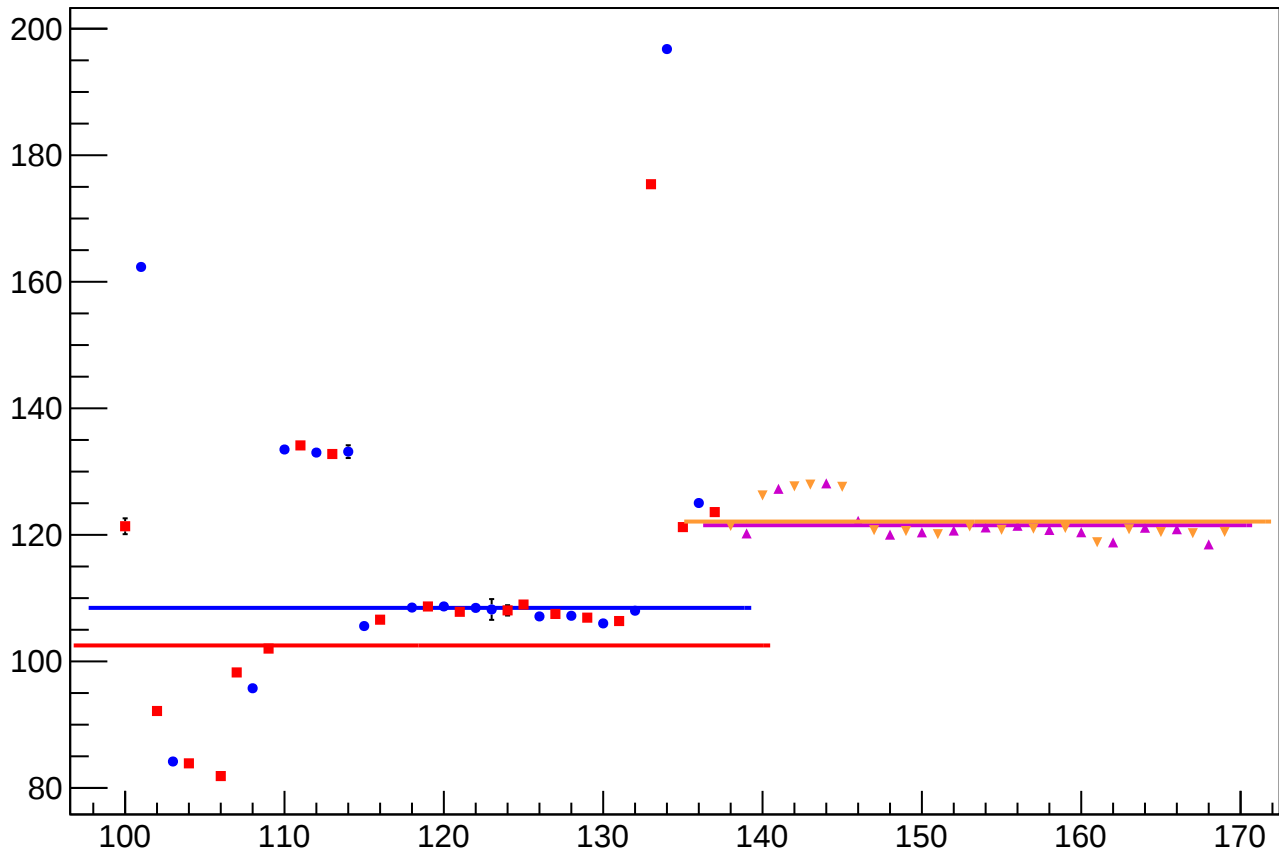
Left In: -73.257 ± 1.062 χ^2/NDF : 399.3/14

+ sign -82.490 ± 0.859 χ^2/NDF : 1445.3/33

All: -81.010 ± 0.617 χ^2/NDF : 2789.4/67

- sign -79.432 ± 0.886 χ^2/NDF : 1338.0/33

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 122.104 $\pm$ 0.048 χ^2 /NDF:3491.3/16

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

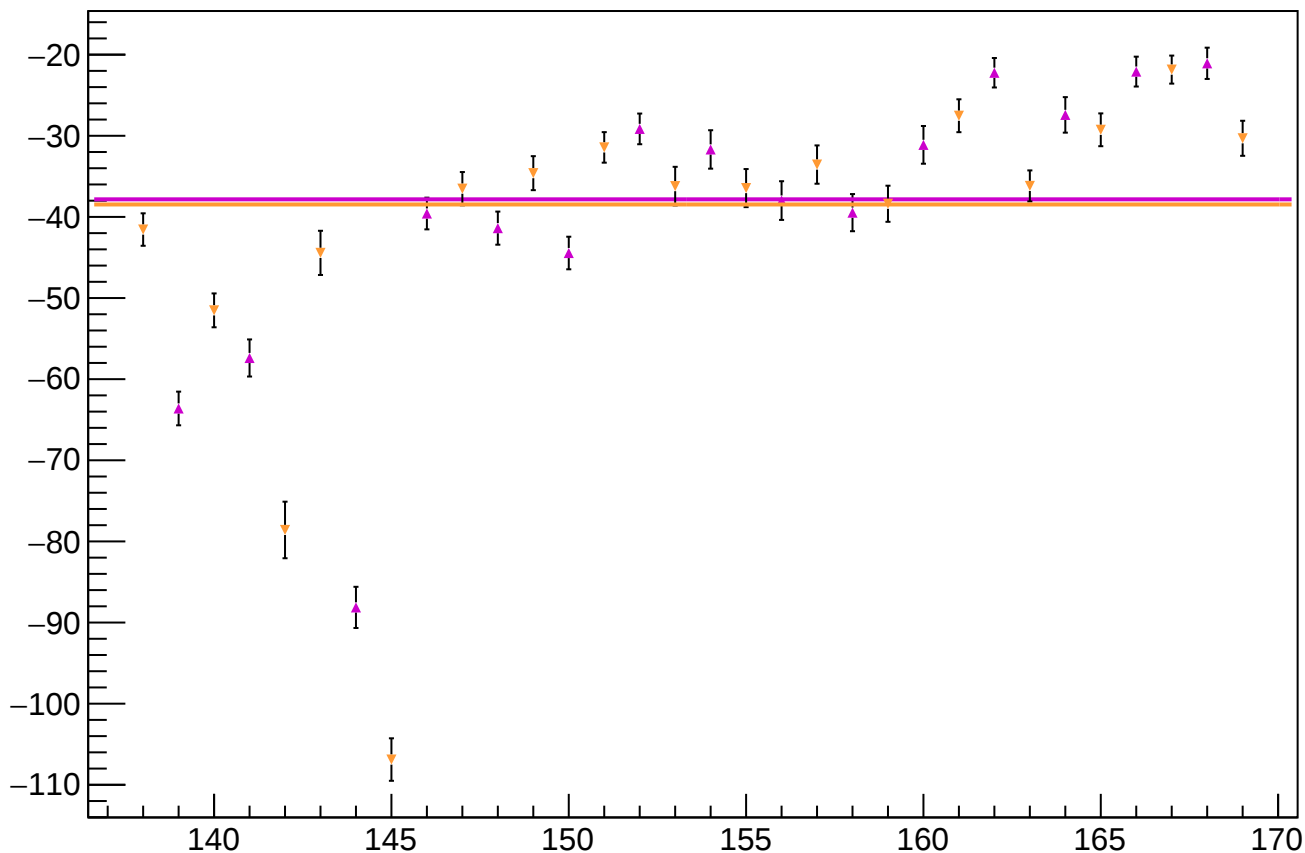
Left In: 121.523 $\pm$ 0.050 χ^2 /NDF:2616.5/14

+ sign 118.775 $\pm$ 0.042 χ^2 /NDF: 96273.0/33

All: 117.445 $\pm$ 0.030 χ^2 /NDF: 194622.0/67

- sign 116.077 $\pm$ 0.043 χ^2 /NDF: 96313.8/33

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -38.467+/-0.524 χ^2/NDF :1043.6/16

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

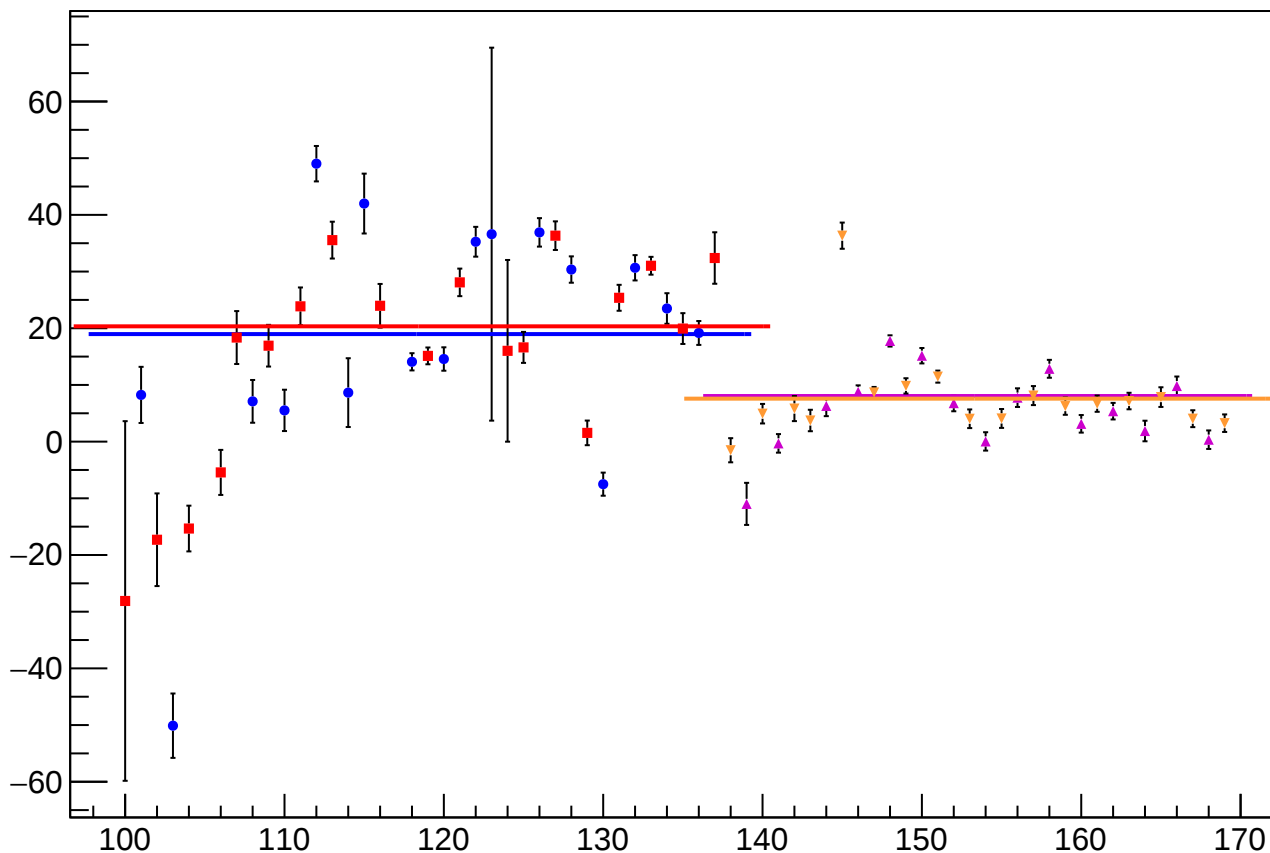
Left In: -37.832+/-0.541 χ^2/NDF :916.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.160+/-0.377 χ^2/NDF : 1960.8/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 7.580 ± 0.368 χ^2/NDF : 221.4/16

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

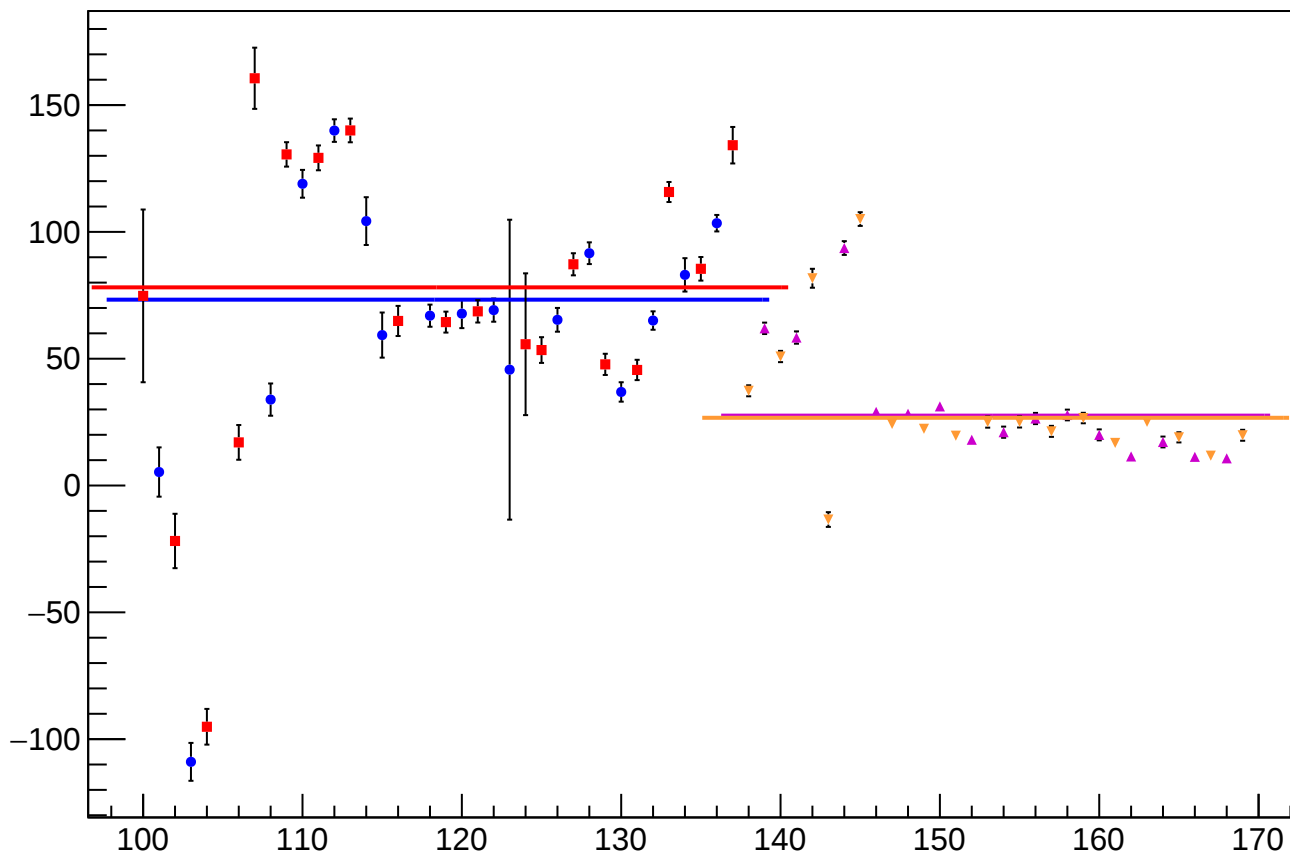
Left In: 8.044 ± 0.388 χ^2/NDF : 259.5/14

+ sign 10.325 ± 0.321 χ^2/NDF : 1070.8/33

All: 10.812 ± 0.231 χ^2/NDF : 1969.9/67

- sign 11.335 ± 0.332 χ^2/NDF : 894.3/33

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 26.706 $\pm$ 0.514 χ^2 /NDF:1541.9/16

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

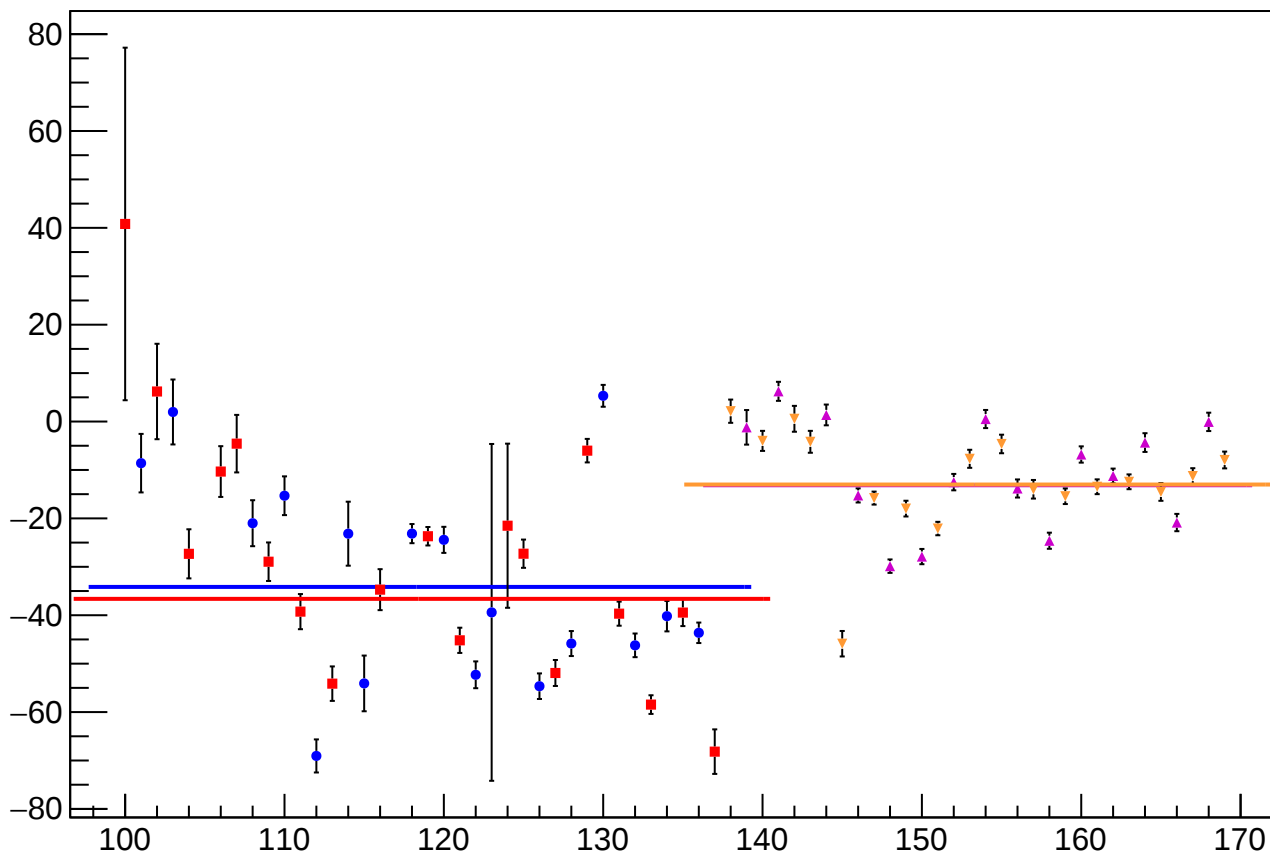
Left In: 27.558 $\pm$ 0.528 χ^2 /NDF:1298.8/14

+ sign 33.569 $\pm$ 0.475 χ^2 /NDF: 3950.2/33

All: 34.514 $\pm$ 0.339 χ^2 /NDF: 8243.0/67

- sign 35.498 $\pm$ 0.484 χ^2 /NDF: 4284.7/33

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.010 ± 0.429 χ^2/NDF : 352.9/16

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

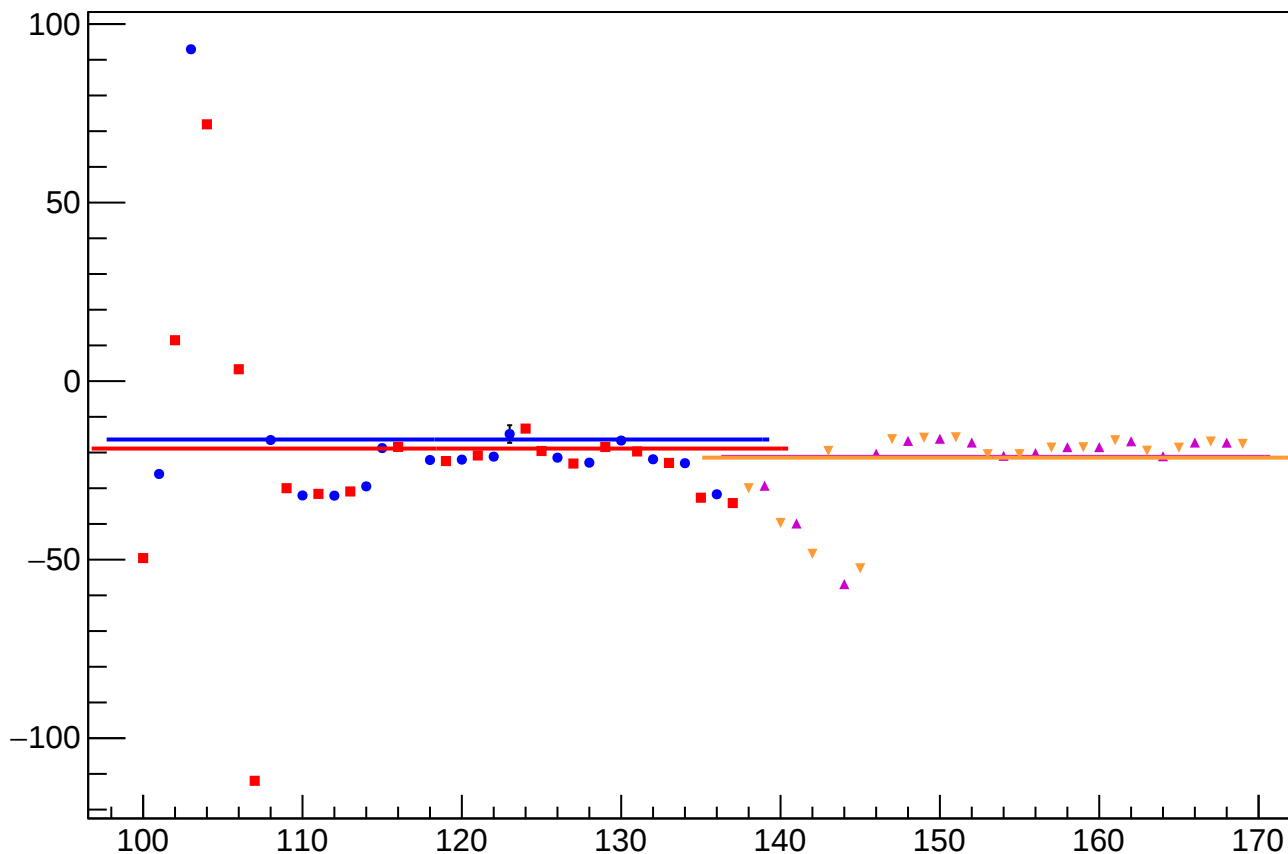
Left In: -13.160 ± 0.453 χ^2/NDF : 592.5/14

+ sign -18.285 ± 0.372 χ^2/NDF : 1675.1/33

All: -18.923 ± 0.268 χ^2/NDF : 3557.9/67

- sign -19.609 ± 0.386 χ^2/NDF : 1876.6/33

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -21.433 ± 0.020 $\chi^2/\text{NDF}: 191209.1/16$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

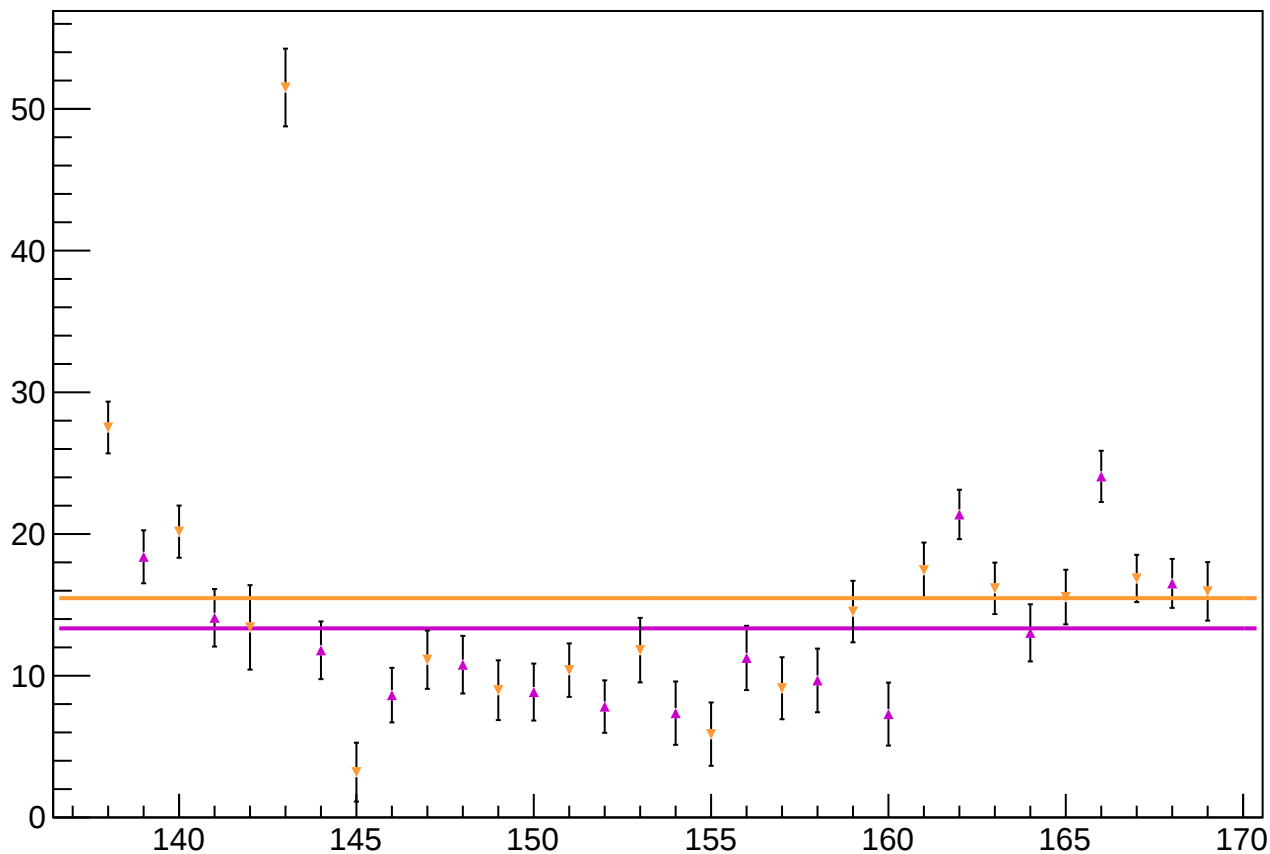
Left In: -21.210 ± 0.021 $\chi^2/\text{NDF}: 158494.9/14$

+ sign -20.571 ± 0.018 $\chi^2/\text{NDF}: 676172.3/33$

All: -20.686 ± 0.013 $\chi^2/\text{NDF}: 1270715.6/67$

- sign -20.807 ± 0.019 $\chi^2/\text{NDF}: 594463.5/33$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 15.476 $\pm$ 0.496 χ^2 /NDF:310.9/16

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

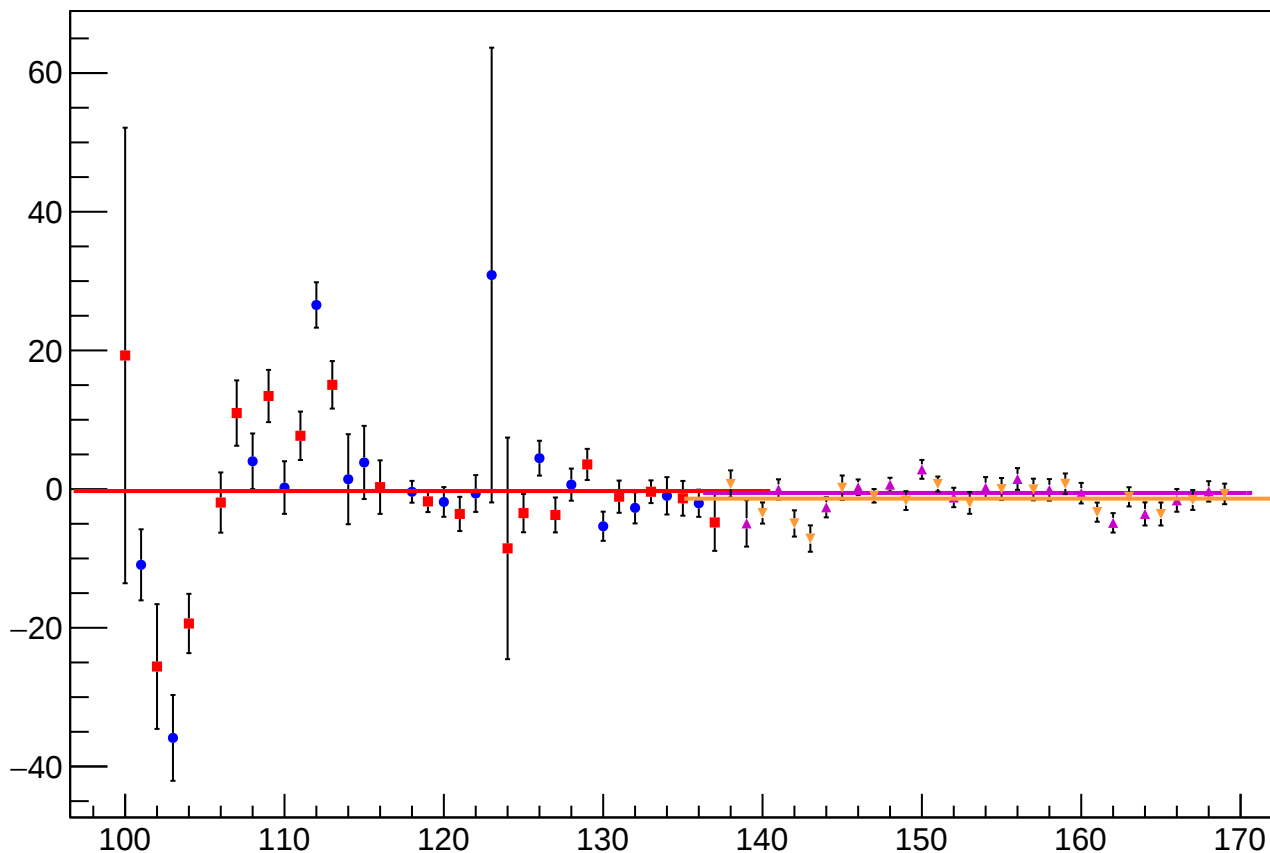
Left In: 13.342 $\pm$ 0.511 χ^2 /NDF:107.5/14

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

All: 14.439 $\pm$ 0.356 χ^2 /NDF: 427.3/31

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

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.373 ± 0.353 χ^2/NDF : 28.3/16

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

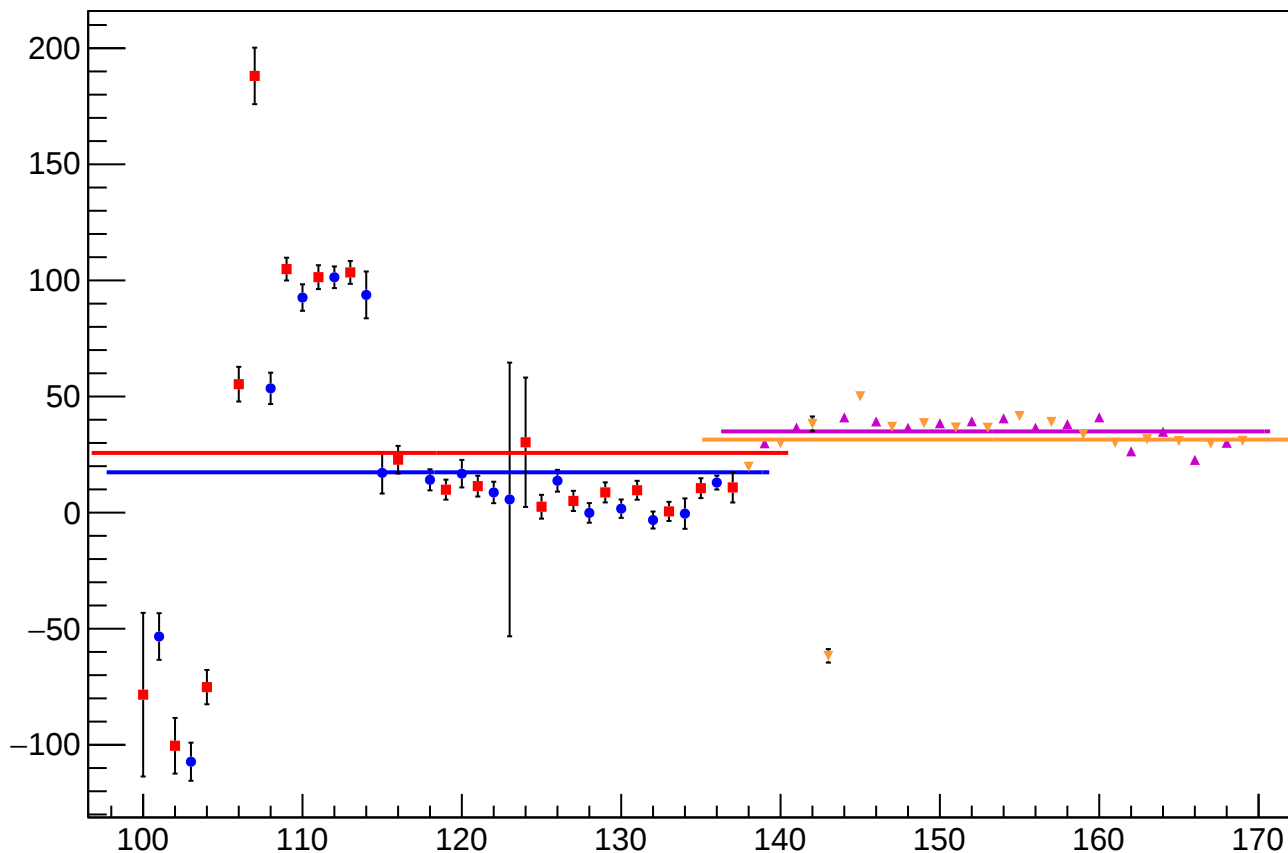
Left In: -0.554 ± 0.370 χ^2/NDF : 27.5/14

+ sign -1.131 ± 0.311 χ^2/NDF : 150.0/33

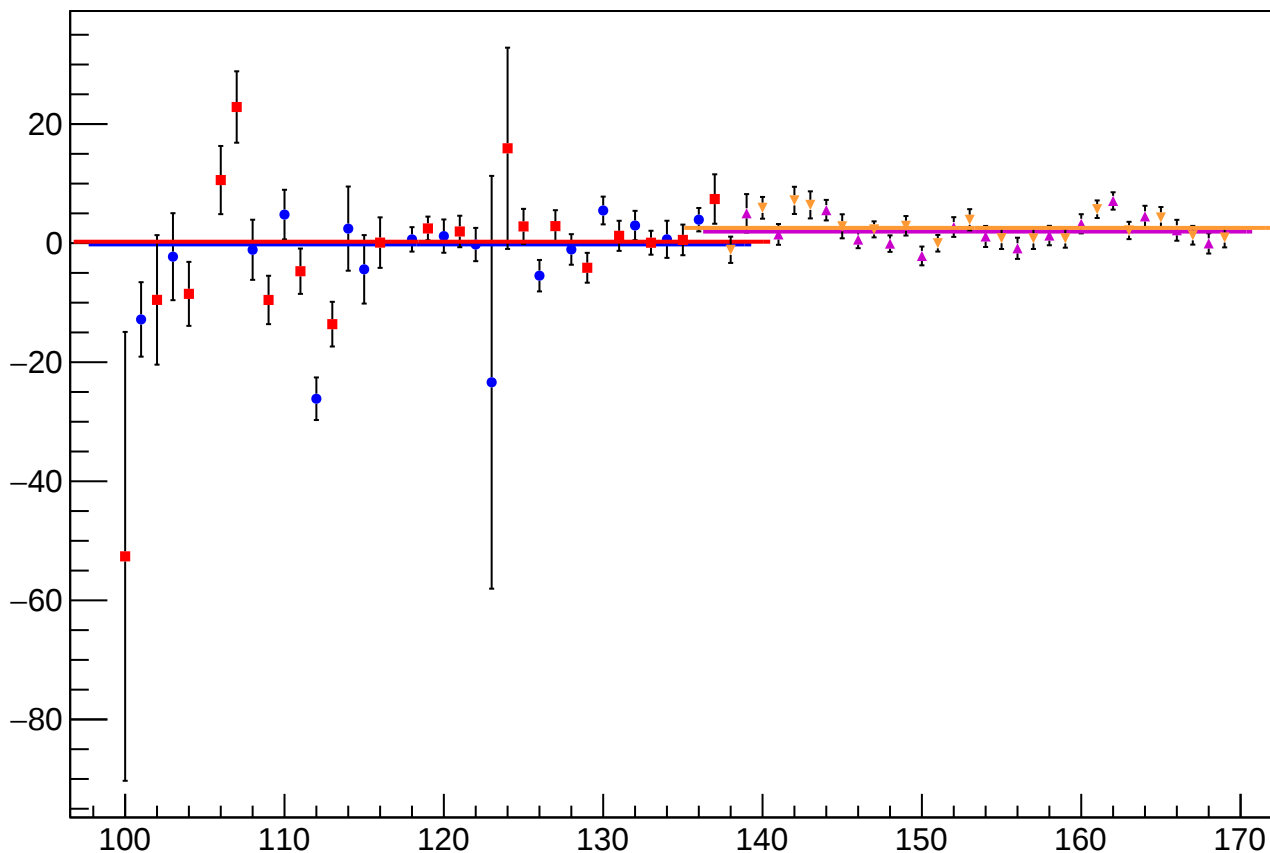
All: -0.820 ± 0.224 χ^2/NDF : 262.8/67

- sign -0.485 ± 0.323 χ^2/NDF : 110.8/33

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.560 ± 0.411 χ^2/NDF : 27.5/16

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

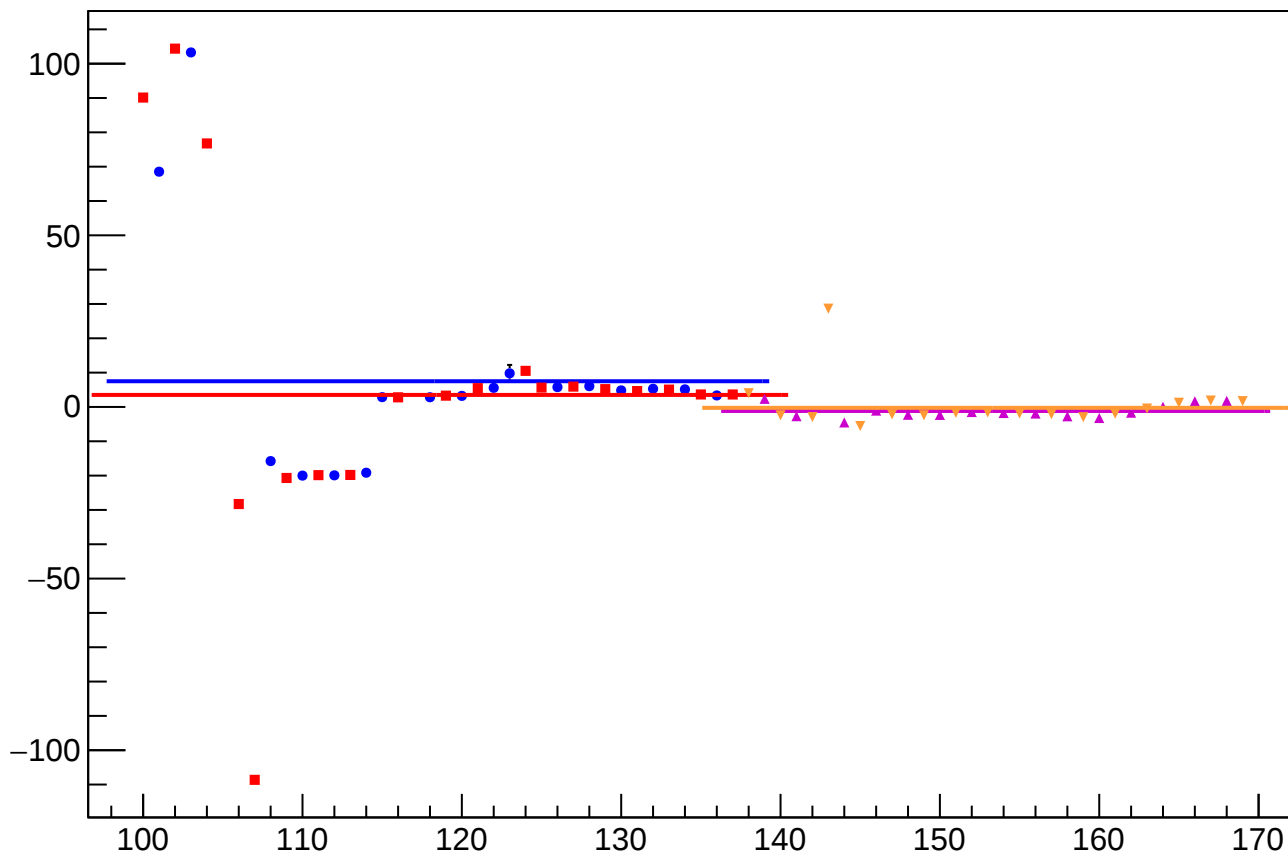
Left In: 1.942 ± 0.431 χ^2/NDF : 34.7/14

+ sign 1.923 ± 0.360 χ^2/NDF : 113.9/33

All: 1.728 ± 0.259 χ^2/NDF : 207.6/67

- sign 1.518 ± 0.374 χ^2/NDF : 93.1/33

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 $\pm$ 0.045 χ^2 /NDF: 355979.0/16

Left Out: -0.256 $\pm$ 0.019 χ^2 /NDF: 75863.1/16

Right Out: 3.504 $\pm$ 0.046 χ^2 /NDF: 510579.4/18

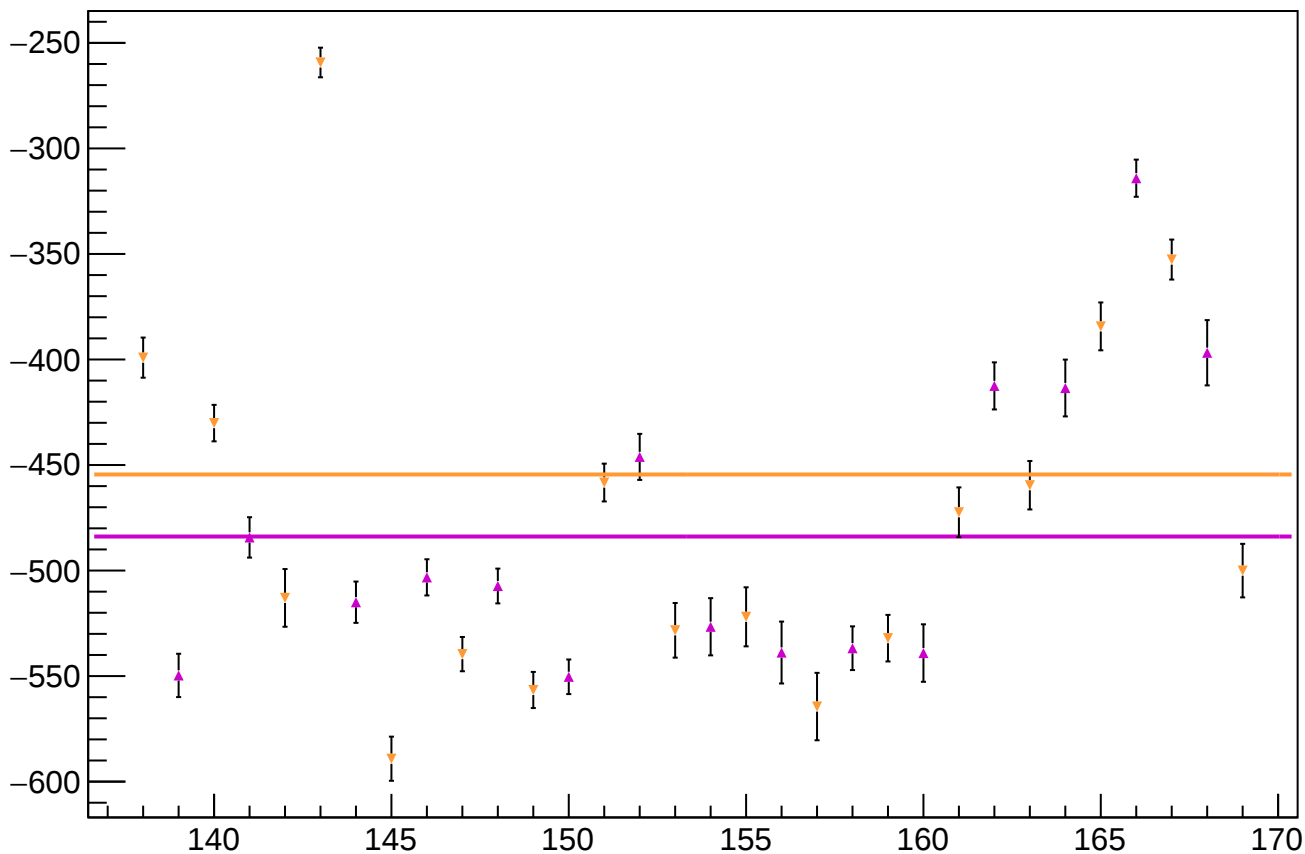
Left In: -1.171 $\pm$ 0.020 χ^2 /NDF: 9258.1/14

+ sign 0.946 $\pm$ 0.018 χ^2 /NDF: 457300.8/33

All: 0.271 $\pm$ 0.013 χ^2 /NDF: 989019.2/67

- sign -0.440 $\pm$ 0.018 χ^2 /NDF: 528692.3/33

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -454.483+/-2.472 χ^2/NDF :1573.6/16

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

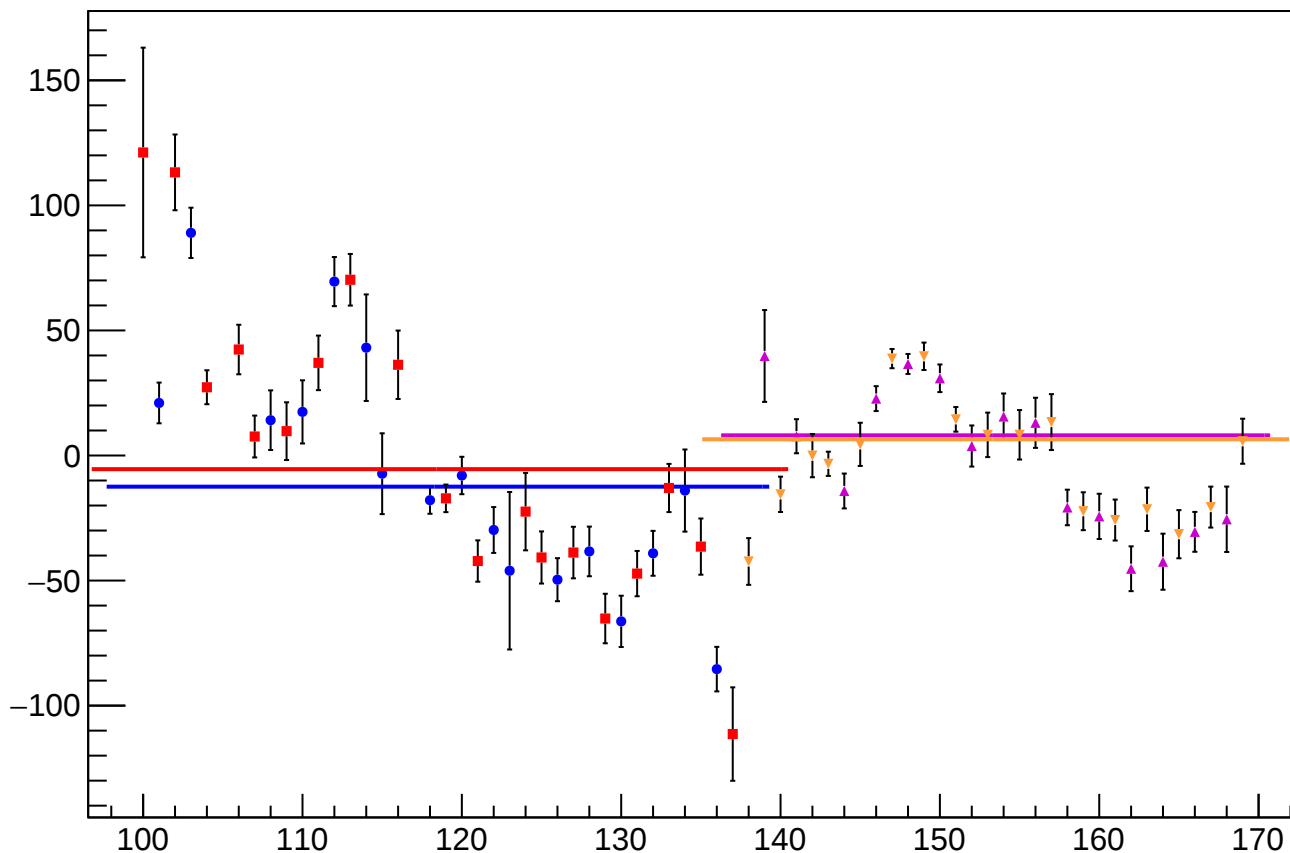
Left In: -483.876+/-2.693 χ^2/NDF :680.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -467.925+/-1.821 χ^2/NDF : 2318.7/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 6.482 ± 1.672 χ^2/NDF : 218.8/16

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

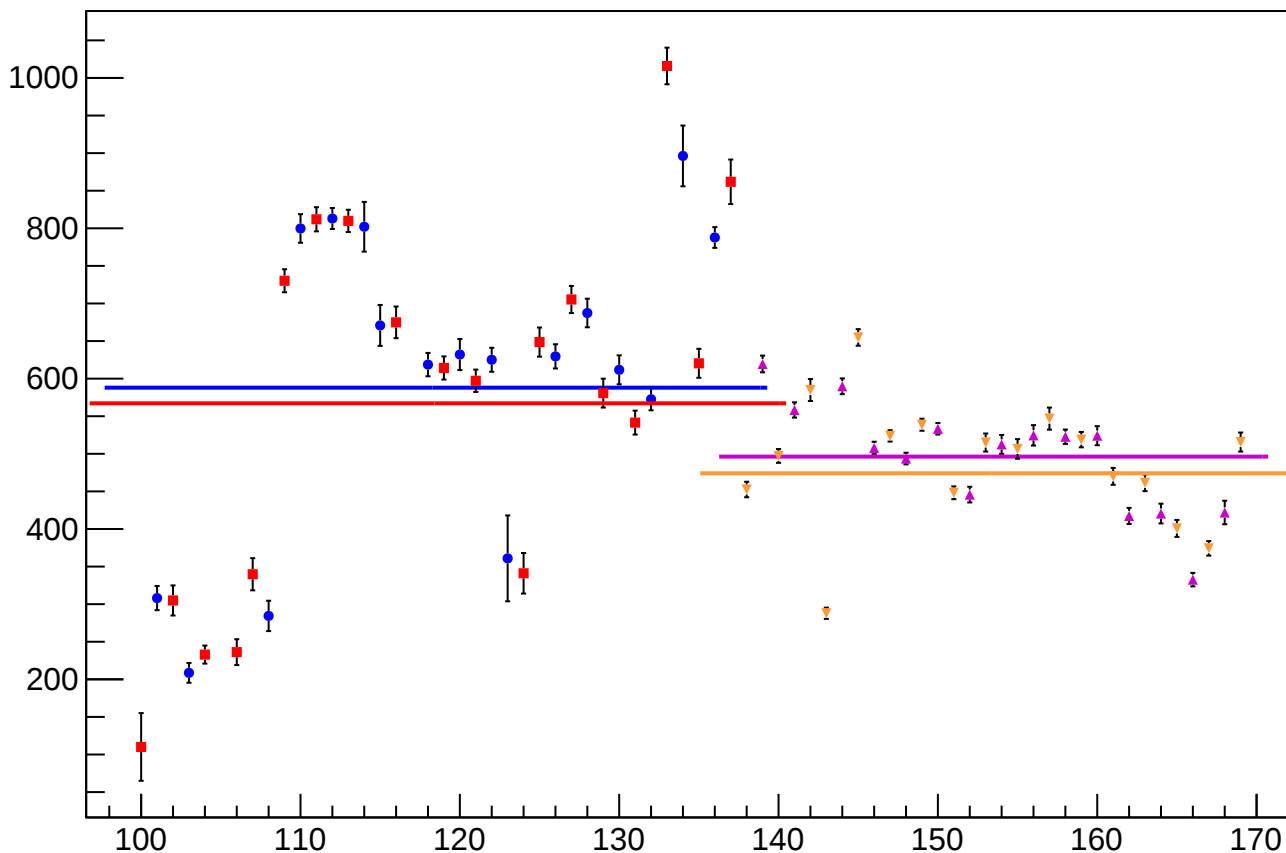
Left In: 8.062 ± 1.852 χ^2/NDF : 206.4/14

+ sign 0.111 ± 1.362 χ^2/NDF : 603.0/33

All: 1.307 ± 0.987 χ^2/NDF : 1177.4/67

- sign 2.628 ± 1.432 χ^2/NDF : 572.8/33

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 ± 4.353 $\chi^2/\text{NDF}: 2129.6/16$

Left Out: 474.078 ± 2.451 $\chi^2/\text{NDF}: 1294.1/16$

Right Out: 567.179 ± 4.136 $\chi^2/\text{NDF}: 2783.2/18$

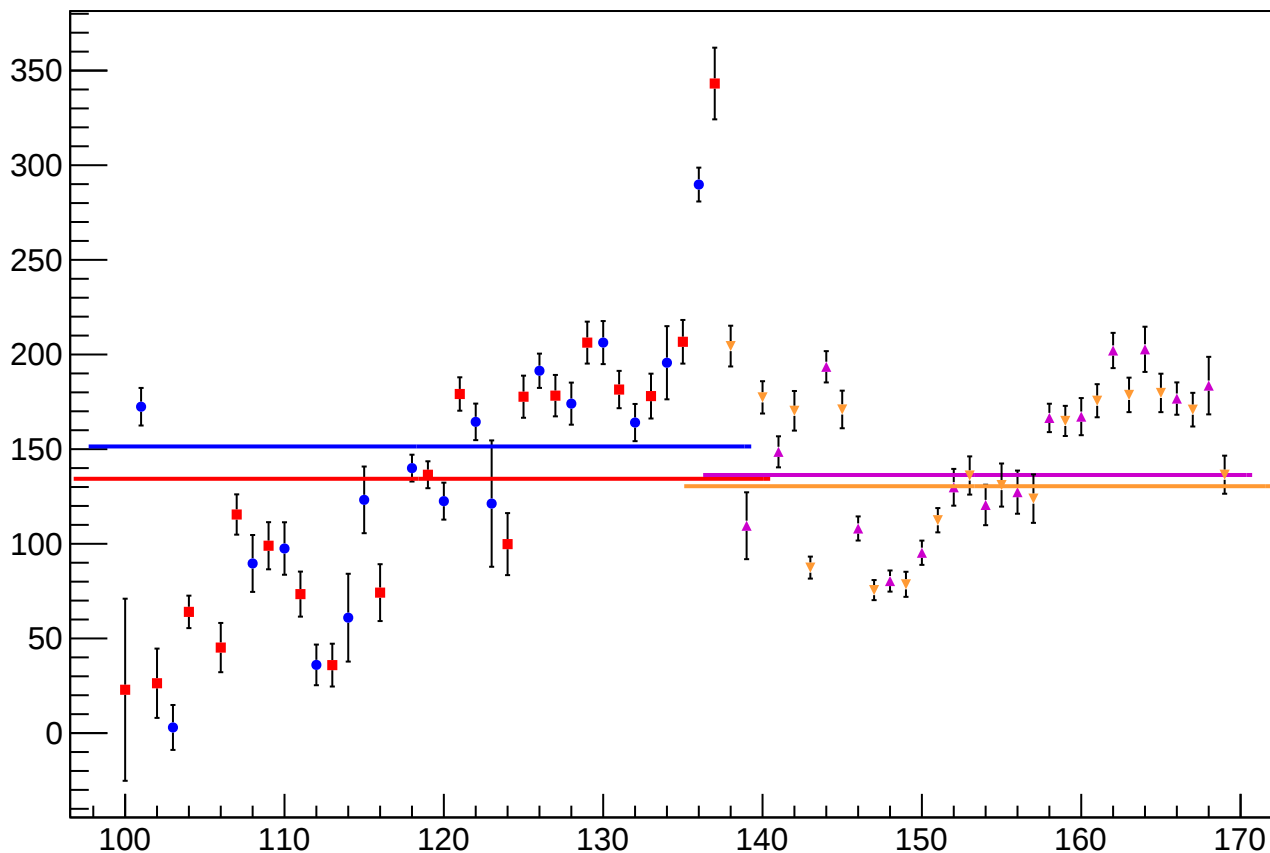
Left In: 496.287 ± 2.630 $\chi^2/\text{NDF}: 750.0/14$

+ sign 501.496 ± 2.135 $\chi^2/\text{NDF}: 3943.8/33$

All: 508.803 ± 1.539 $\chi^2/\text{NDF}: 7710.6/67$

- sign 516.693 ± 2.219 $\chi^2/\text{NDF}: 3742.4/33$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 130.426 $\pm$ 1.997 χ^2 /NDF: 458.2/16

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

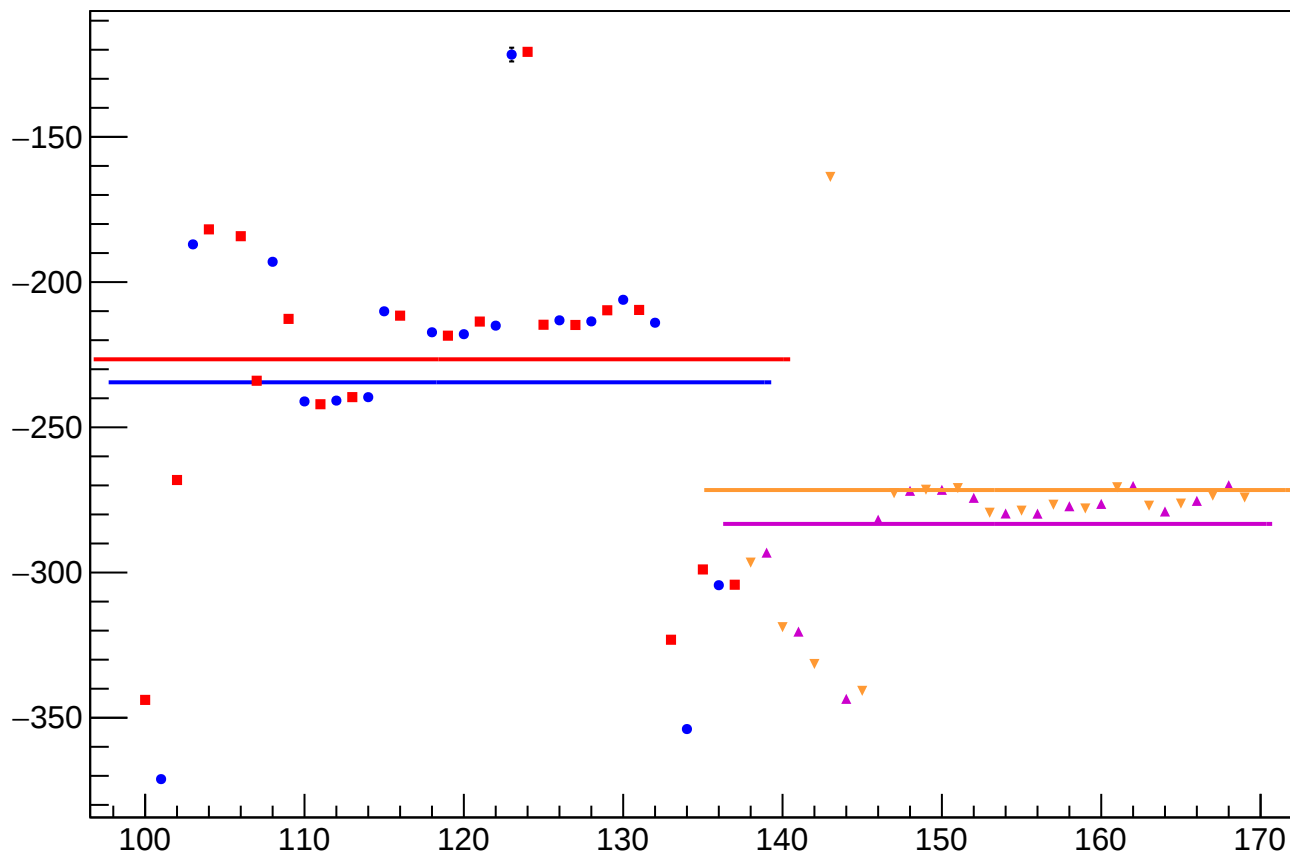
Left In: 136.352 $\pm$ 2.206 χ^2 /NDF: 355.9/14

+ sign 137.820 $\pm$ 1.608 χ^2 /NDF: 1130.4/33

All: 136.724 $\pm$ 1.164 χ^2 /NDF: 2072.4/67

- sign 135.518 $\pm$ 1.686 χ^2 /NDF: 941.1/33

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -271.595 ± 0.099 $\chi^2/\text{NDF}: 183042.4/16$

Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

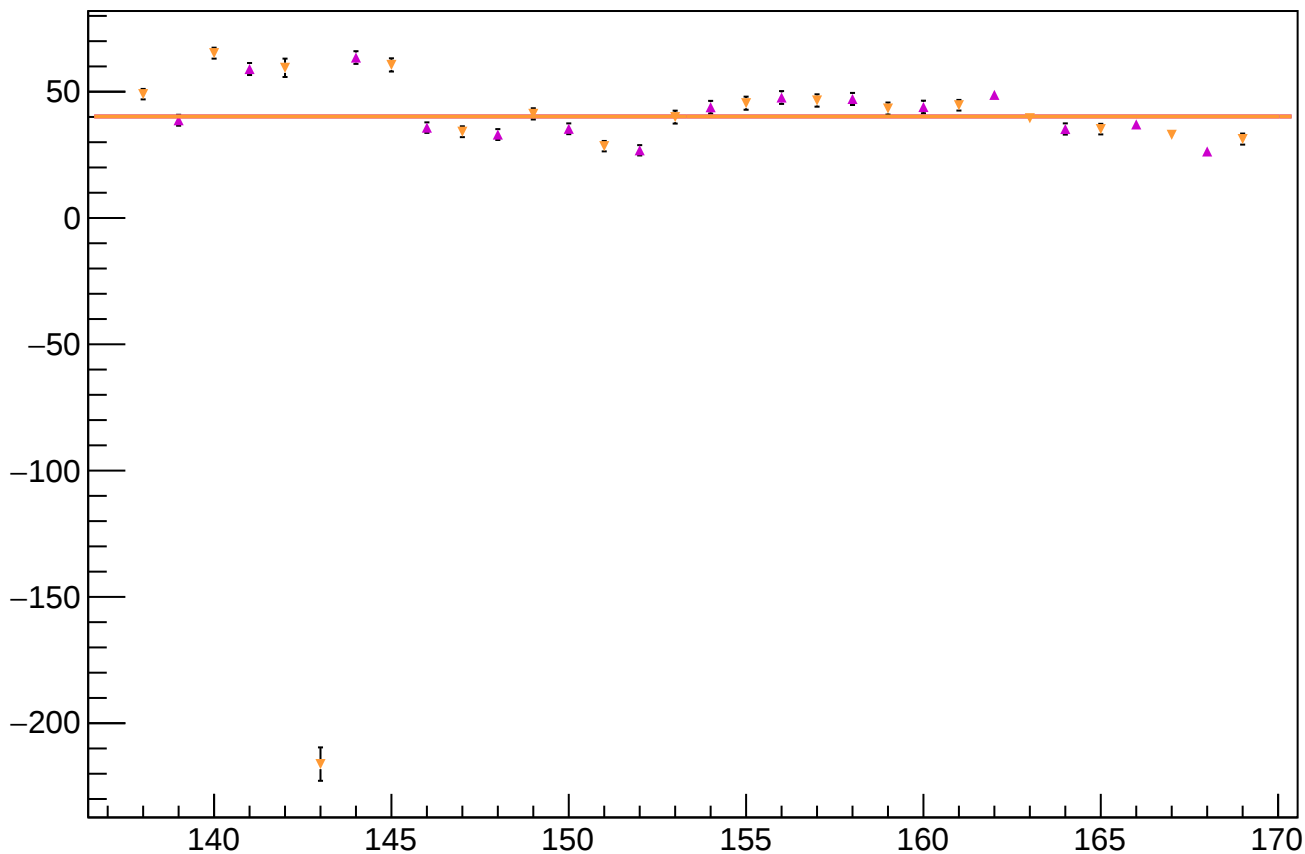
Left In: -283.254 ± 0.106 $\chi^2/\text{NDF}: 31577.3/14$

+ sign -260.308 ± 0.082 $\chi^2/\text{NDF}: 371191.5/33$

All: -261.590 ± 0.059 $\chi^2/\text{NDF}: 605311.3/67$

- sign -262.949 ± 0.085 $\chi^2/\text{NDF}: 233619.1/33$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 40.185+/-0.558 χ^2/NDF :1840.4/16

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

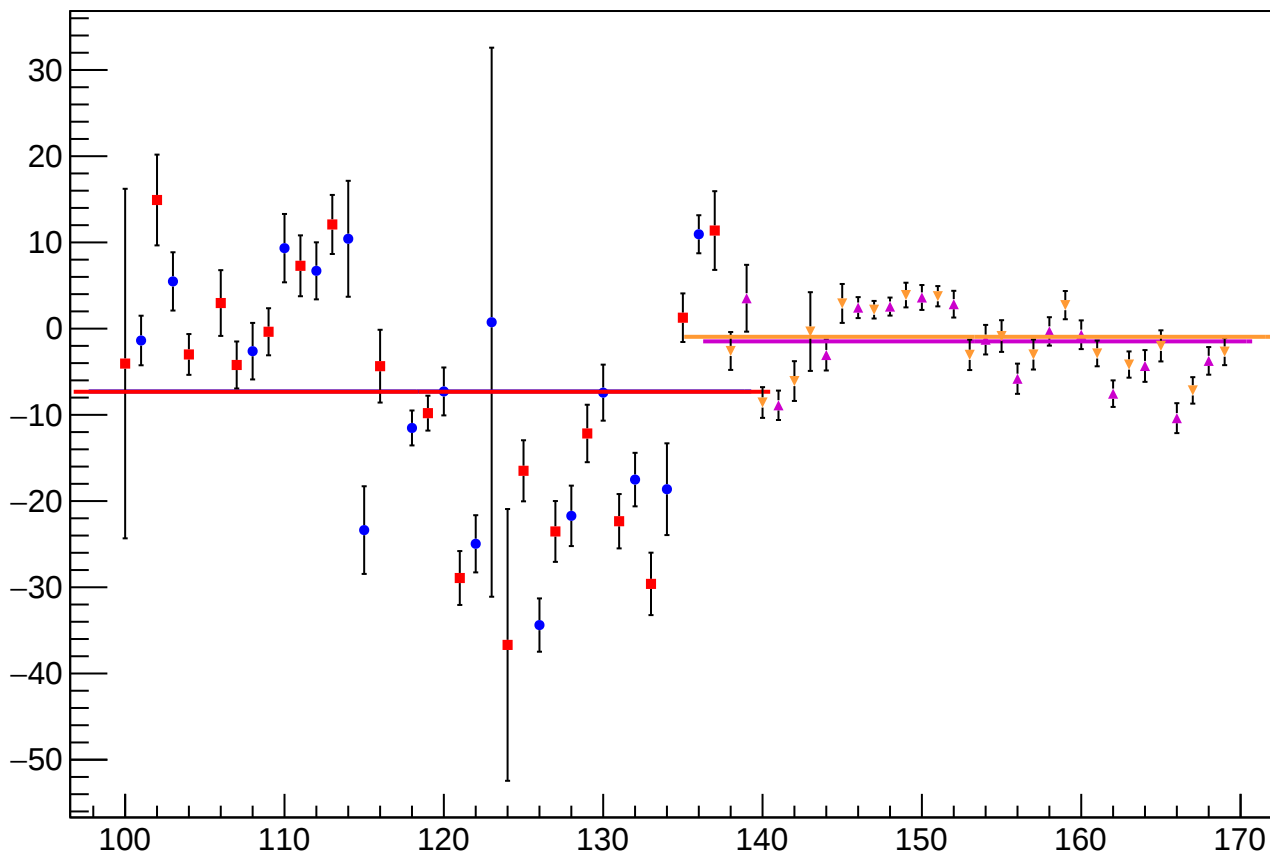
Left In: 40.198+/-0.565 χ^2/NDF :315.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 40.191+/-0.397 χ^2/NDF : 2155.7/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -0.948 ± 0.393 χ^2/NDF : 95.6/16

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

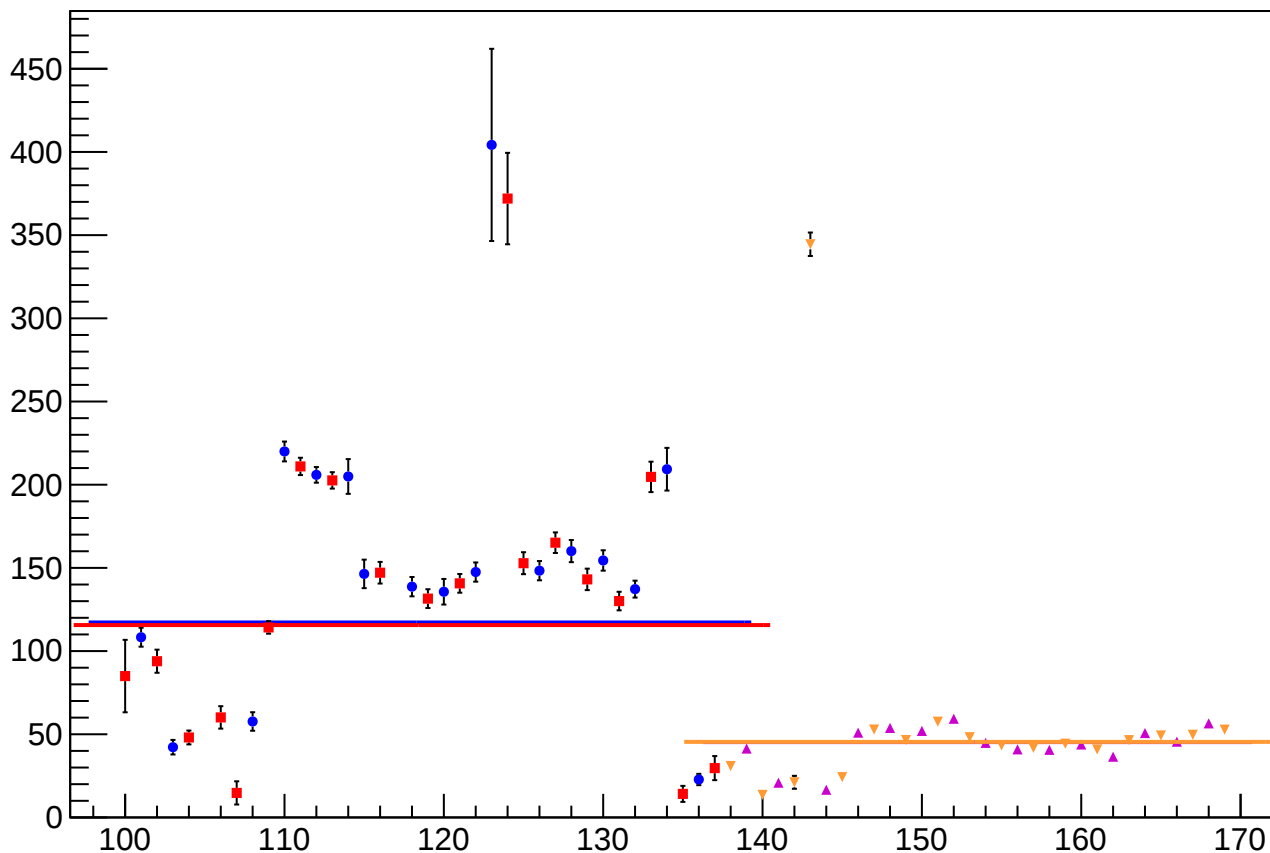
Left In: -1.478 ± 0.407 χ^2/NDF : 119.8/14

+ sign -2.210 ± 0.352 χ^2/NDF : 430.5/33

All: -2.489 ± 0.251 χ^2/NDF : 852.8/67

- sign -2.778 ± 0.359 χ^2/NDF : 421.0/33

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 45.424 ± 0.546 χ^2/NDF : 2209.4/16

Right Out: 115.632 ± 1.361 χ^2/NDF : 2137.6/18

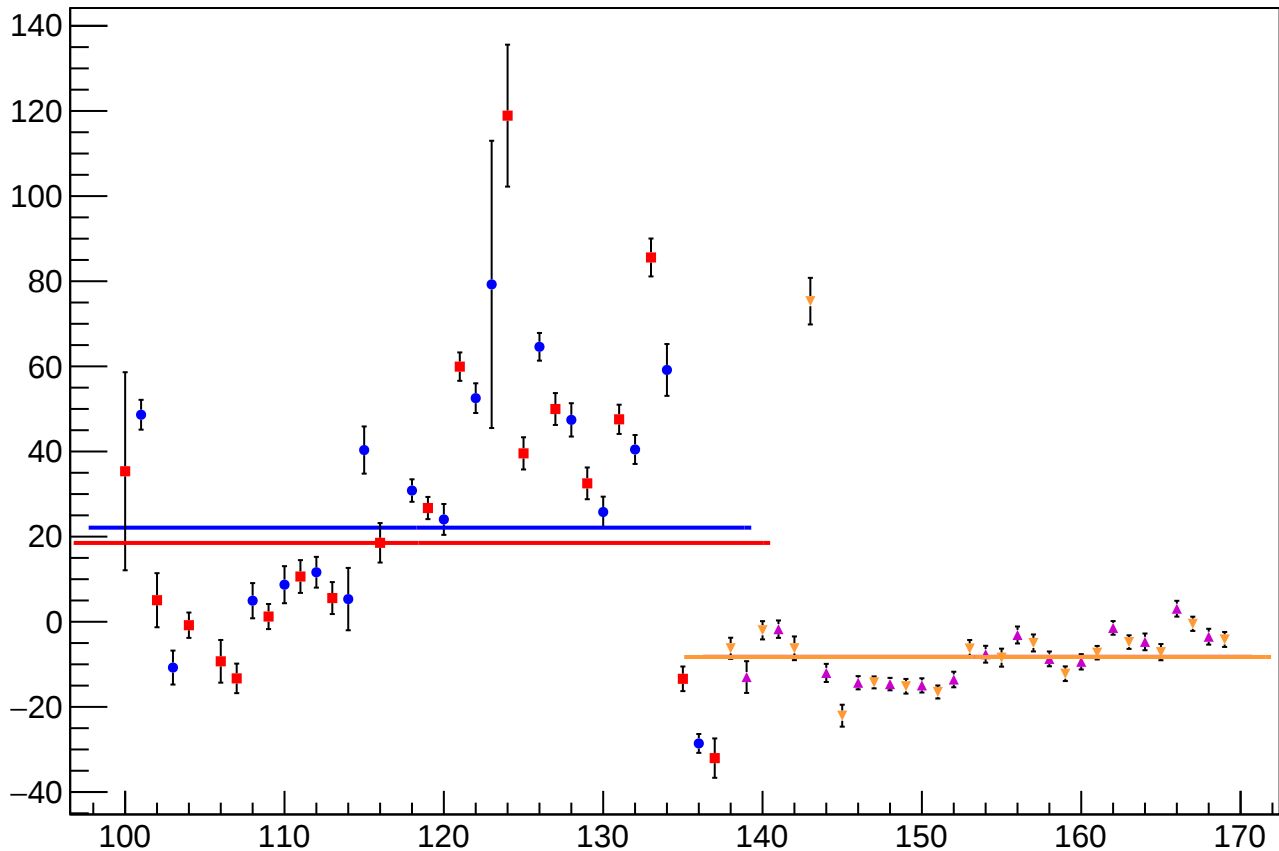
Left In: 45.298 ± 0.552 χ^2/NDF : 369.6/14

+ sign 54.723 ± 0.510 χ^2/NDF : 6605.0/33

All: 54.976 ± 0.361 χ^2/NDF : 11406.0/67

- sign 55.231 ± 0.511 χ^2/NDF : 4800.6/33

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -8.278 $\pm$ 0.458 χ^2 /NDF: 376.0/16

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

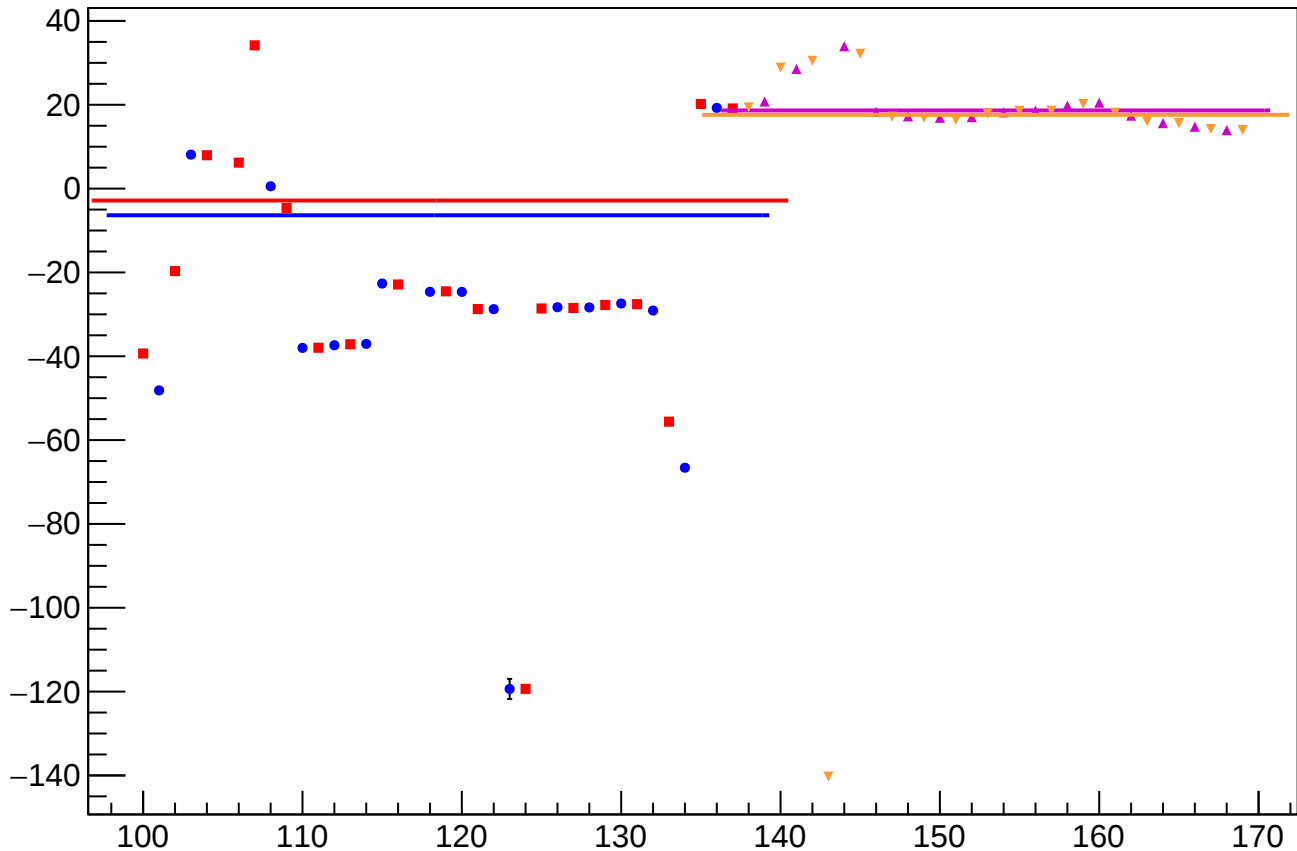
Left In: -8.234 $\pm$ 0.475 χ^2 /NDF: 145.8/14

+ sign -2.007 $\pm$ 0.408 χ^2 /NDF: 2354.7/33

All: -2.057 $\pm$ 0.292 χ^2 /NDF: 4296.4/67

- sign -2.110 $\pm$ 0.417 χ^2 /NDF: 1941.6/33

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 17.606 ± 0.021 $\chi^2/\text{NDF}: 356012.4/16$

Right Out: -2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

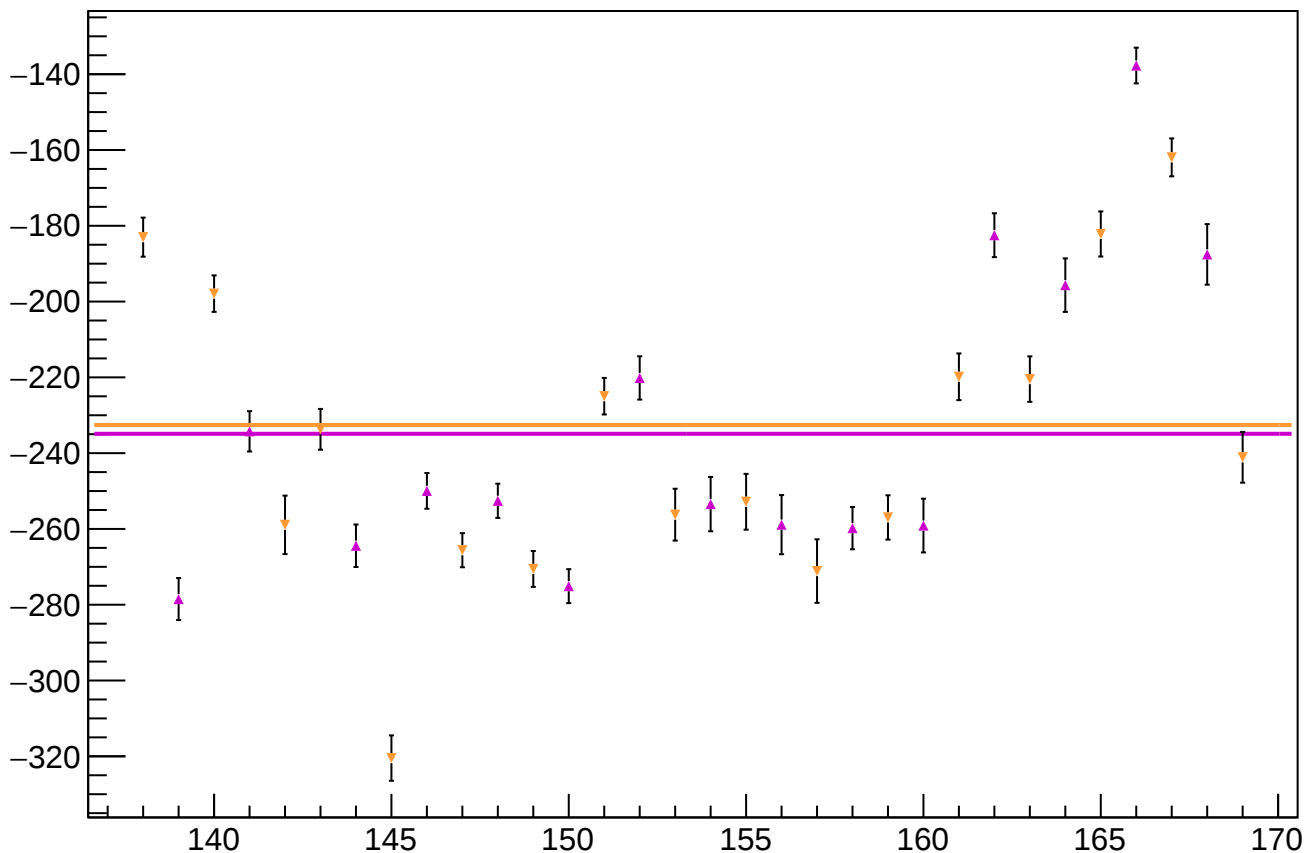
Left In: 18.649 ± 0.022 $\chi^2/\text{NDF}: 36566.2/14$

+ sign 13.380 ± 0.019 $\chi^2/\text{NDF}: 841323.8/33$

All: 14.030 ± 0.014 $\chi^2/\text{NDF}: 1325695.5/67$

- sign 14.692 ± 0.020 $\chi^2/\text{NDF}: 482117.2/33$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -232.560+/-1.380 χ^2/NDF : 831.5/16

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

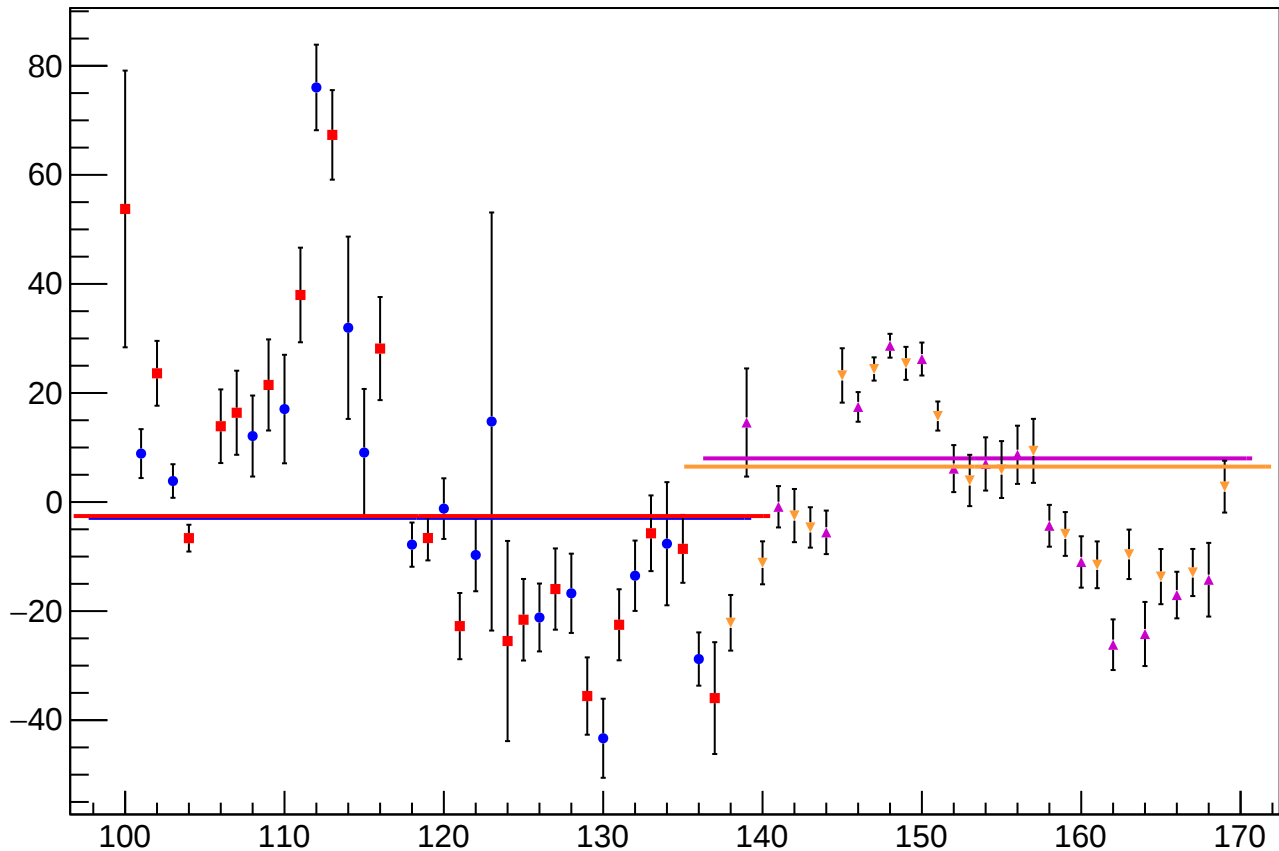
Left In: -234.889+/-1.455 χ^2/NDF : 823.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -233.663+/-1.001 χ^2/NDF : 1655.9/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 6.496 ± 0.936 χ^2/NDF : 274.1/16

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

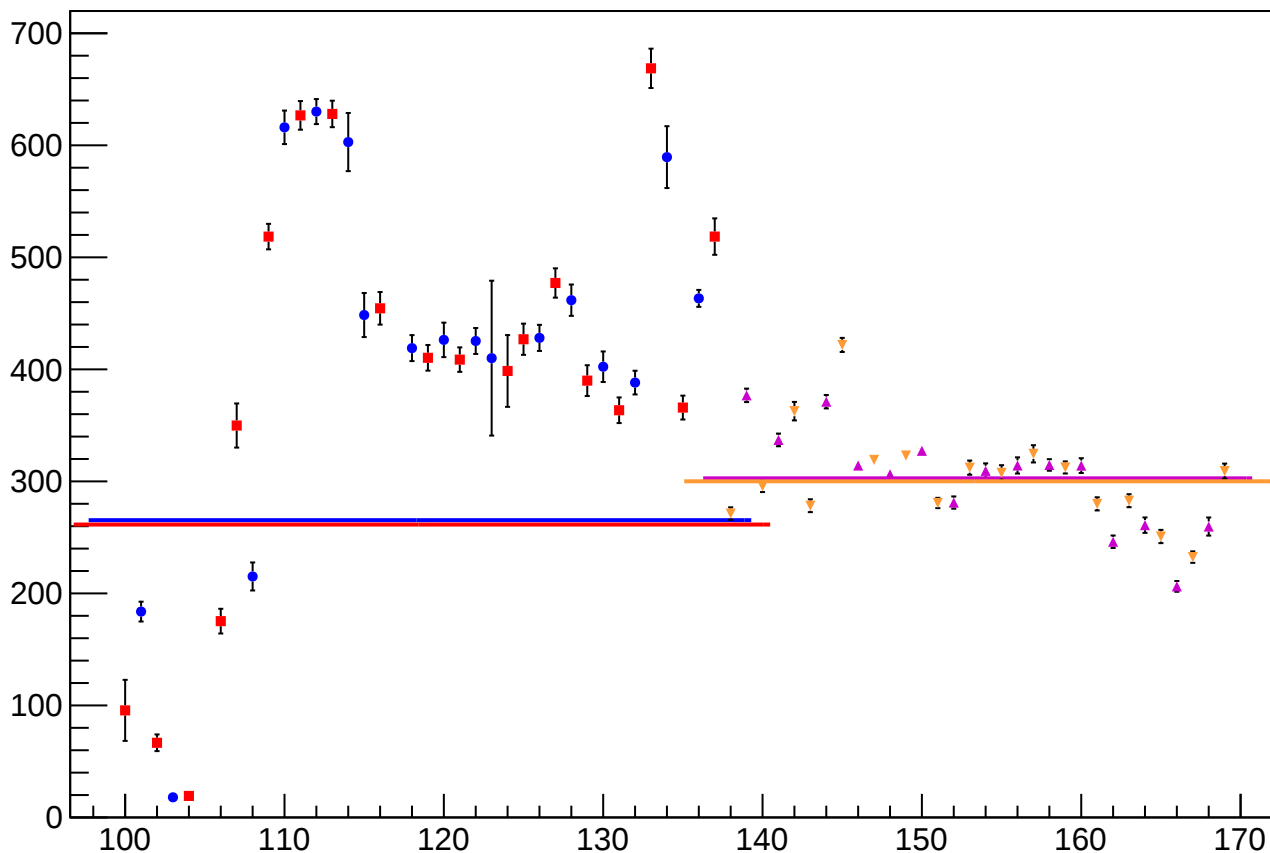
Left In: 8.007 ± 1.004 χ^2/NDF : 311.4/14

+ sign 3.776 ± 0.789 χ^2/NDF : 506.8/33

All: 4.079 ± 0.567 χ^2/NDF : 1074.5/67

- sign 4.403 ± 0.815 χ^2/NDF : 567.4/33

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 300.070 $\pm$ 1.360 χ^2 /NDF:825.6/16

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

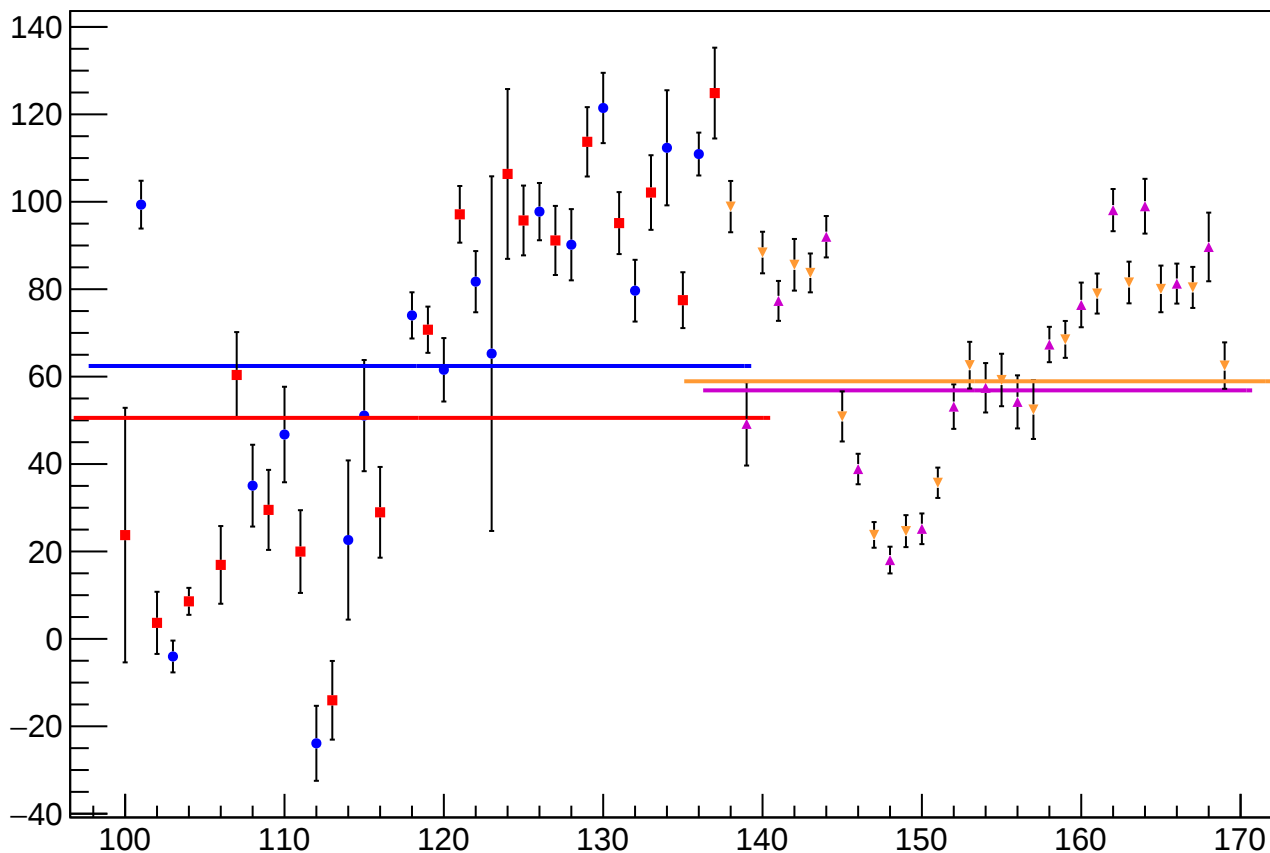
Left In: 302.711 $\pm$ 1.419 χ^2 /NDF:960.0/14

+ sign 292.082 $\pm$ 1.194 χ^2 /NDF: 8609.1/33

All: 292.235 $\pm$ 0.856 χ^2 /NDF: 17984.7/67

- sign 292.398 $\pm$ 1.229 χ^2 /NDF: 9375.5/33

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434+/-1.694 χ^2 /NDF: 721.8/16

Left Out: 58.934+/-1.114 χ^2 /NDF: 499.1/16

Right Out: 50.560+/-1.642 χ^2 /NDF: 657.4/18

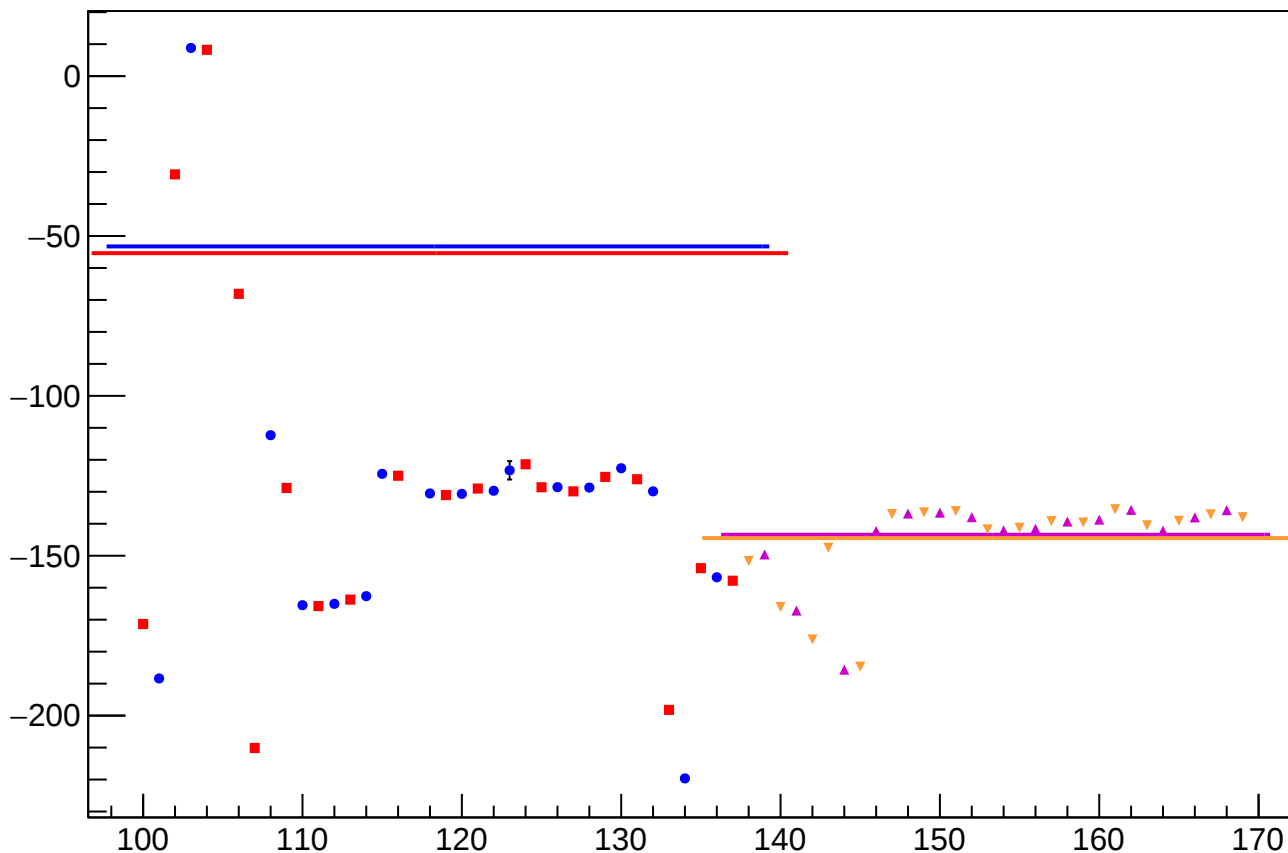
Left In: 56.853+/-1.193 χ^2 /NDF: 531.2/14

+ sign 59.992+/-0.931 χ^2 /NDF: 1223.9/33

All: 57.431+/-0.670 χ^2 /NDF: 2437.8/67

- sign 54.679+/-0.965 χ^2 /NDF: 1198.2/33

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -144.486 $\pm$ 0.055 χ^2 /NDF: 56529.1/16

Right Out: -55.373 $\pm$ 0.072 χ^2 /NDF: 967027.2/18

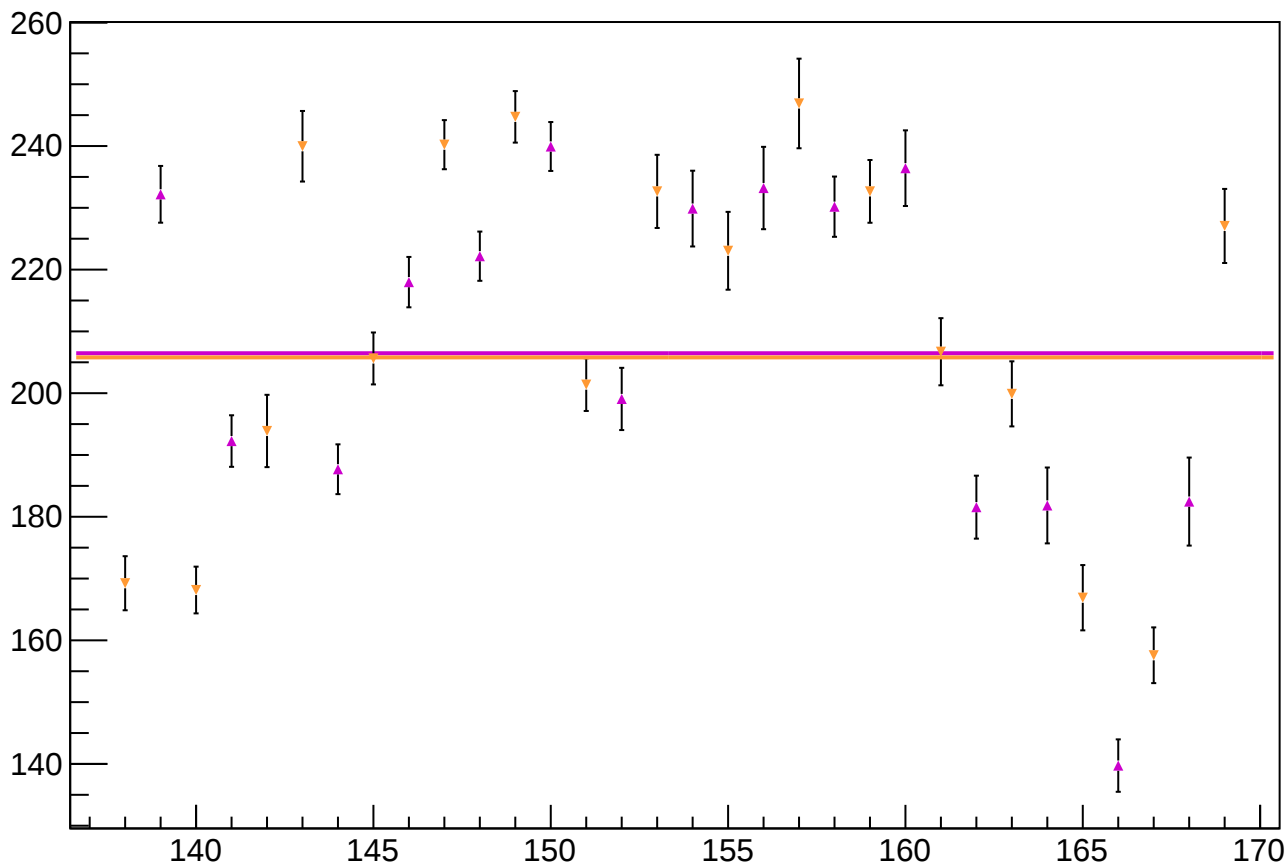
Left In: -143.443 $\pm$ 0.057 χ^2 /NDF: 44410.6/14

+ sign -110.267 $\pm$ 0.043 χ^2 /NDF: 2330867.1/33

All: -109.928 $\pm$ 0.031 χ^2 /NDF: 4264366.4/67

- sign -109.565 $\pm$ 0.045 χ^2 /NDF: 1933371.3/33

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 205.791+/-1.188 χ^2/NDF : 642.5/16

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

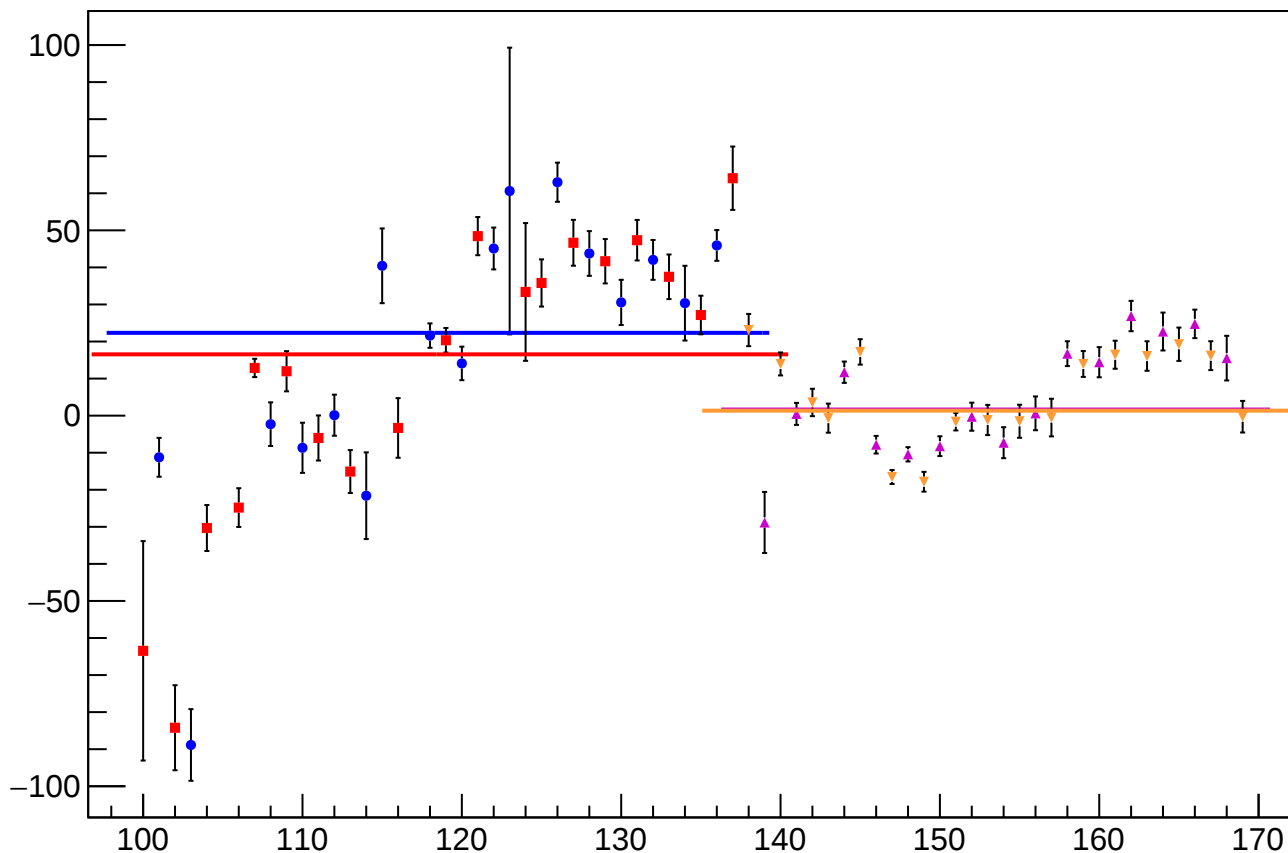
Left In: 206.465+/-1.239 χ^2/NDF : 538.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 206.114+/-0.858 χ^2/NDF : 1181.5/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 ± 1.395 χ^2/NDF : 385.8/16

Left Out: 1.344 ± 0.812 χ^2/NDF : 281.0/16

Right Out: 16.537 ± 1.227 χ^2/NDF : 426.6/18

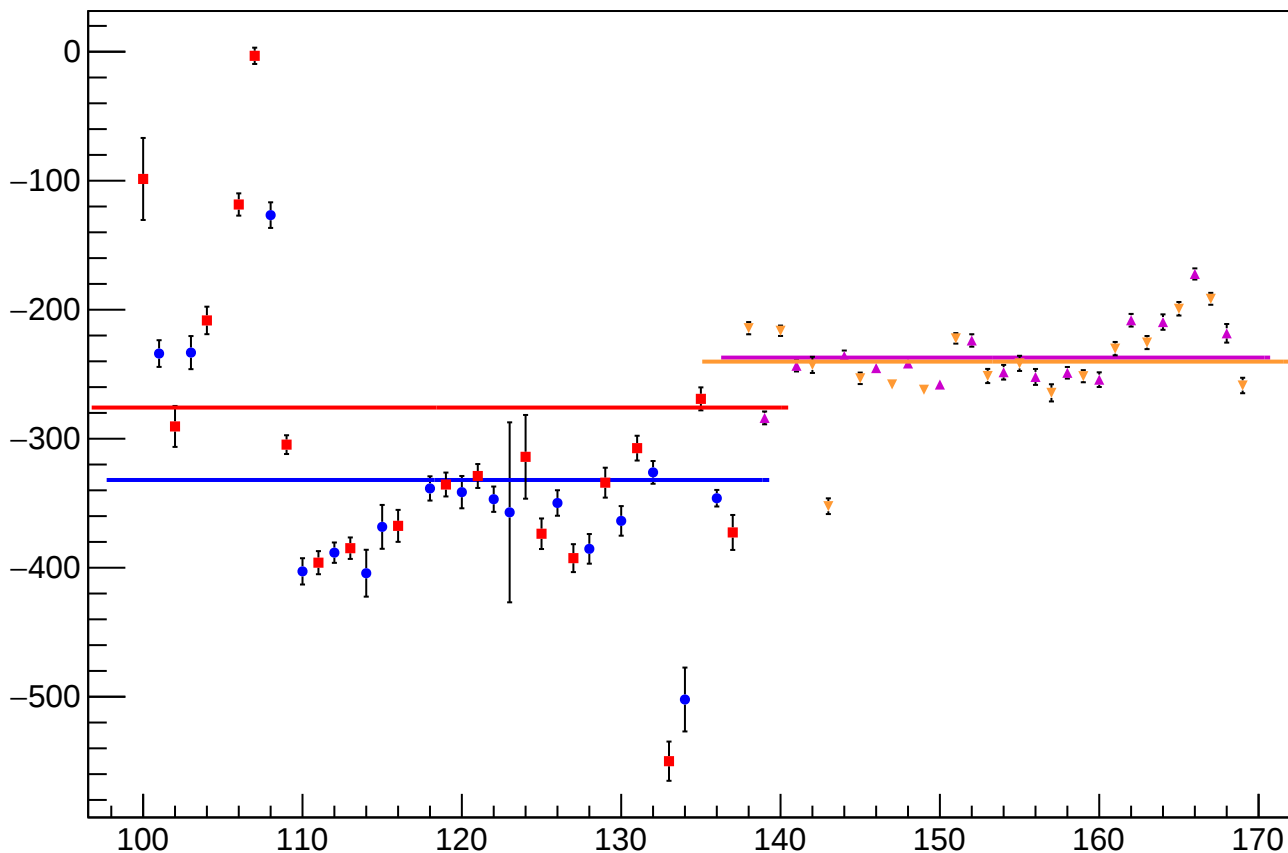
Left In: 1.652 ± 0.860 χ^2/NDF : 226.2/14

+ sign 6.656 ± 0.702 χ^2/NDF : 836.0/33

All: 6.606 ± 0.497 χ^2/NDF : 1587.4/67

- sign 6.556 ± 0.704 χ^2/NDF : 751.4/33

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 $\pm$ 2.580 χ^2 /NDF: 785.0/16

Left Out: -240.228 $\pm$ 1.175 χ^2 /NDF: 702.2/16

Right Out: -275.842 $\pm$ 2.325 χ^2 /NDF: 3362.2/18

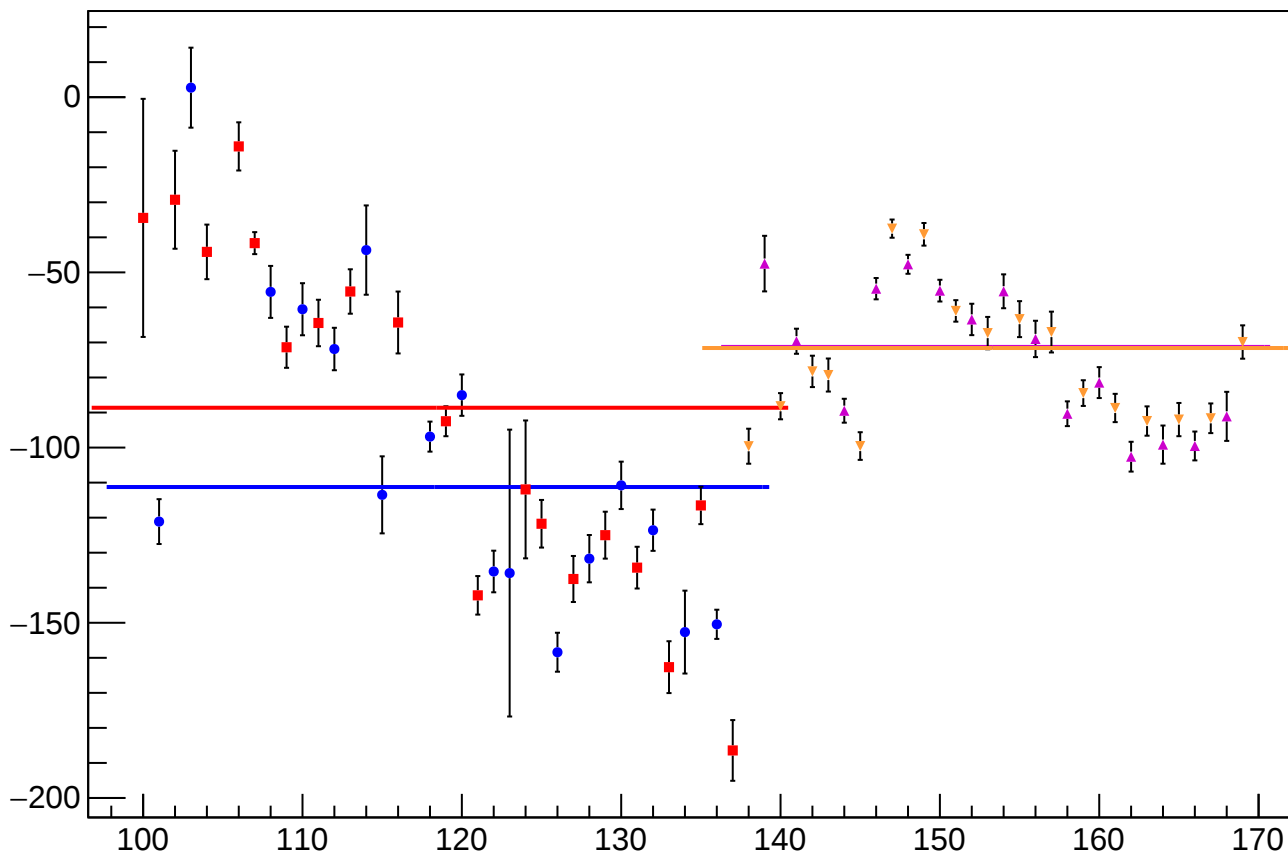
Left In: -237.119 $\pm$ 1.214 χ^2 /NDF: 449.4/14

+ sign -255.985 $\pm$ 1.069 χ^2 /NDF: 2534.7/33

All: -250.739 $\pm$ 0.759 χ^2 /NDF: 6612.8/67

- sign -245.422 $\pm$ 1.076 χ^2 /NDF: 4029.6/33

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 $\pm$ 1.597 χ^2/NDF : 509.6/16

Left Out: -71.585 $\pm$ 0.966 χ^2/NDF : 491.6/16

Right Out: -88.633 $\pm$ 1.433 χ^2/NDF : 971.0/18

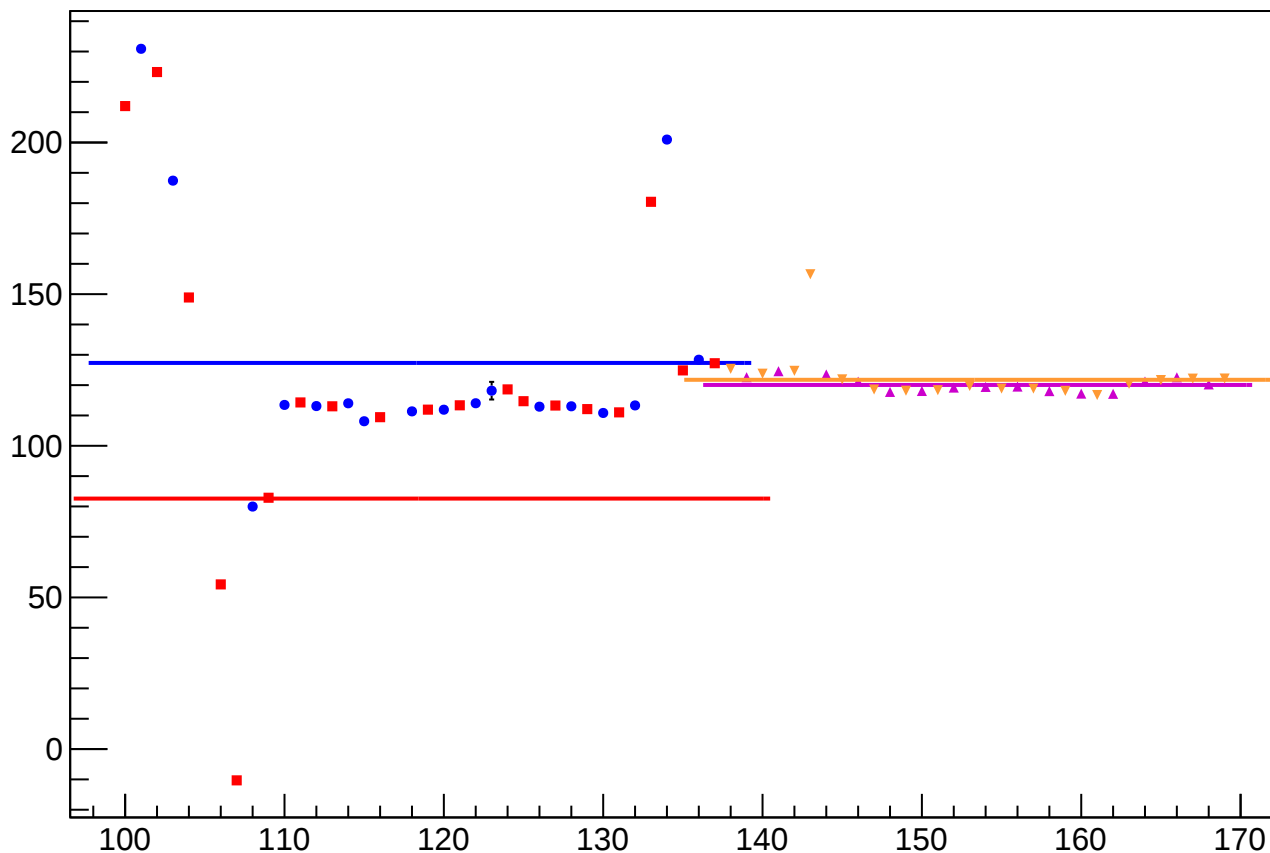
Left In: -71.274 $\pm$ 1.021 χ^2/NDF : 354.7/14

+ sign -82.203 $\pm$ 0.826 χ^2/NDF : 1453.0/33

All: -79.679 $\pm$ 0.586 χ^2/NDF : 2894.7/67

- sign -77.121 $\pm$ 0.832 χ^2/NDF : 1422.9/33

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 121.761 $\pm$ 0.047 χ^2 /NDF: 23681.6/16

Right Out: 82.595 $\pm$ 0.075 χ^2 /NDF: 765022.5/18

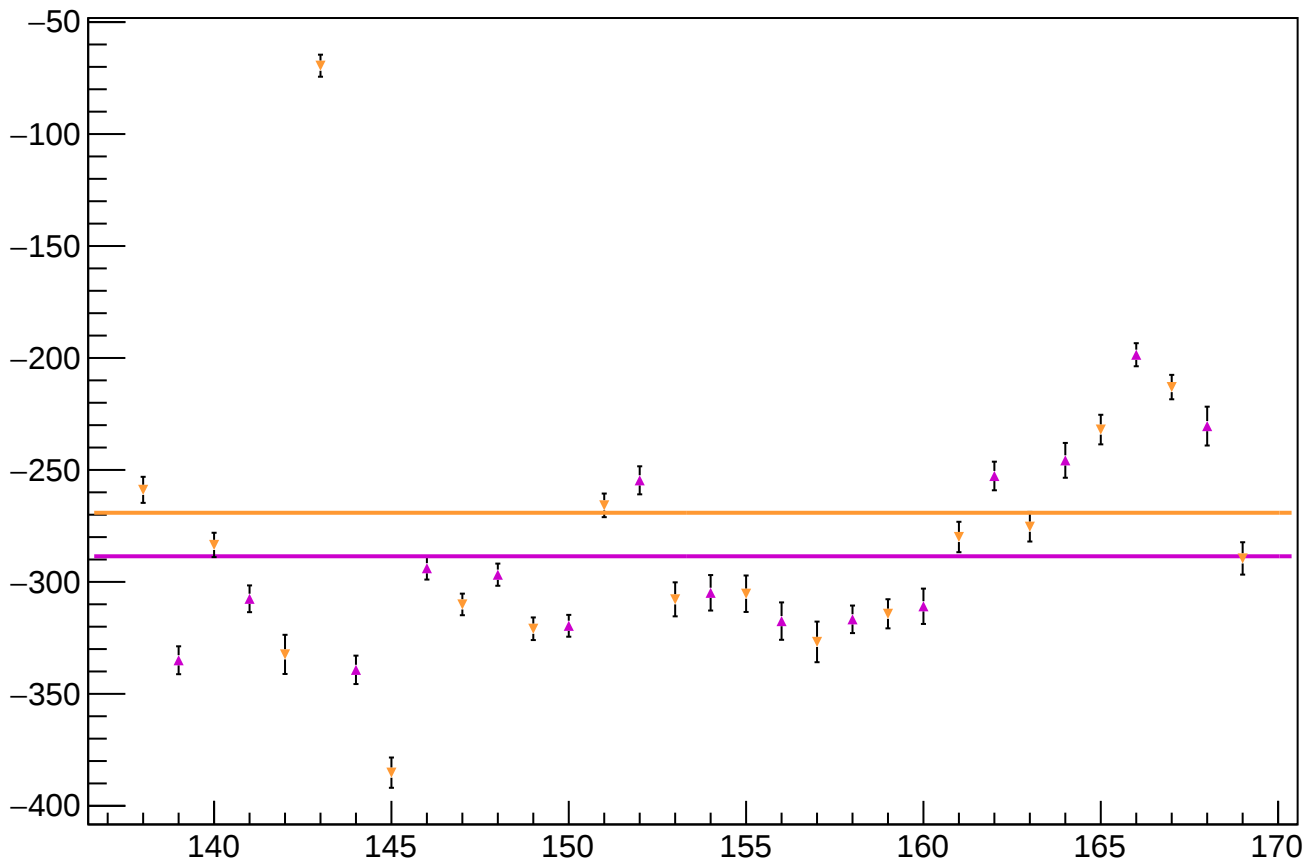
Left In: 120.061 $\pm$ 0.049 χ^2 /NDF: 2392.3/14

+ sign 122.967 $\pm$ 0.042 χ^2 /NDF: 214486.7/33

All: 115.871 $\pm$ 0.029 χ^2 /NDF: 1213230.2/67

- sign 109.034 $\pm$ 0.041 χ^2 /NDF: 941766.7/33

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -269.126+/-1.497 χ^2/NDF : 2462.1/16

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

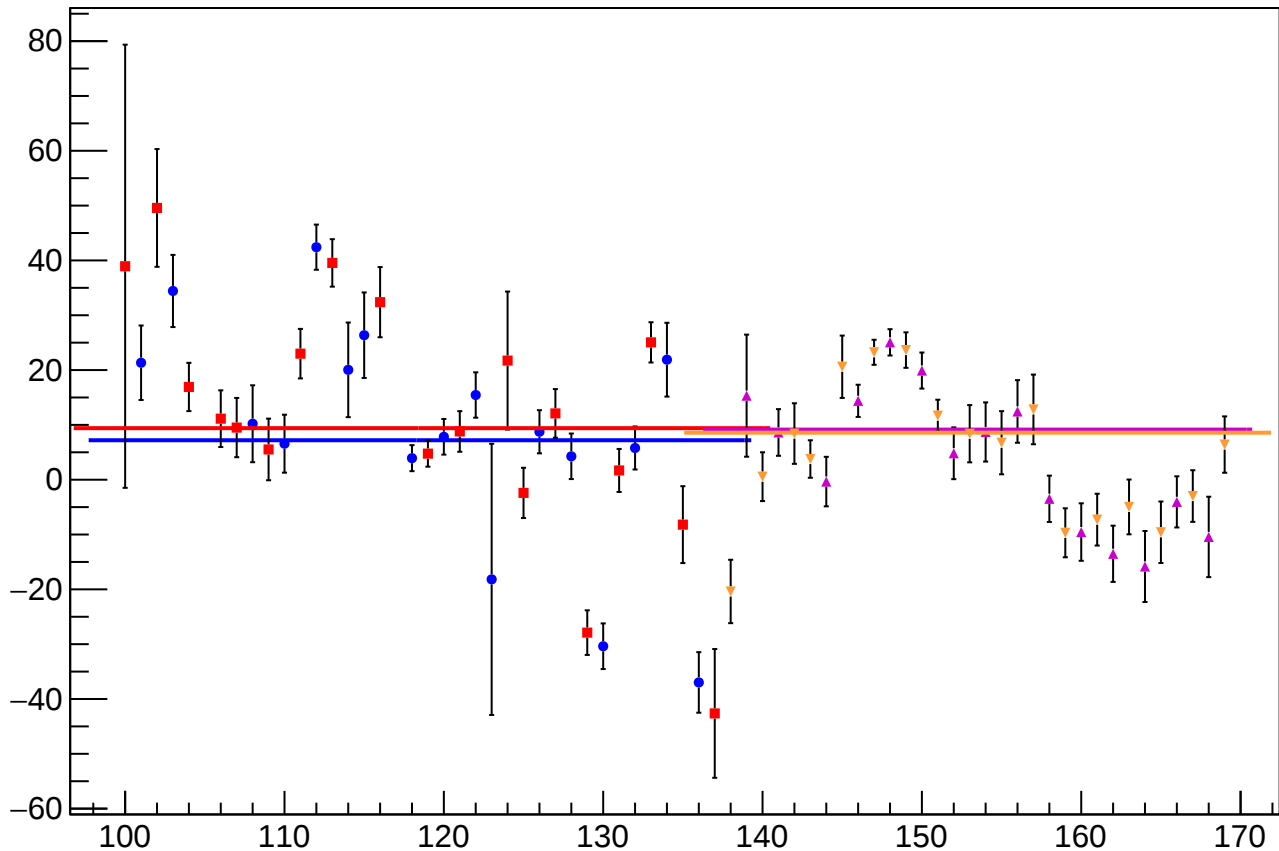
Left In: -288.557+/-1.600 χ^2/NDF : 660.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -278.195+/-1.093 χ^2/NDF : 3201.1/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 8.578 ± 1.012 χ^2/NDF : 151.4/16

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

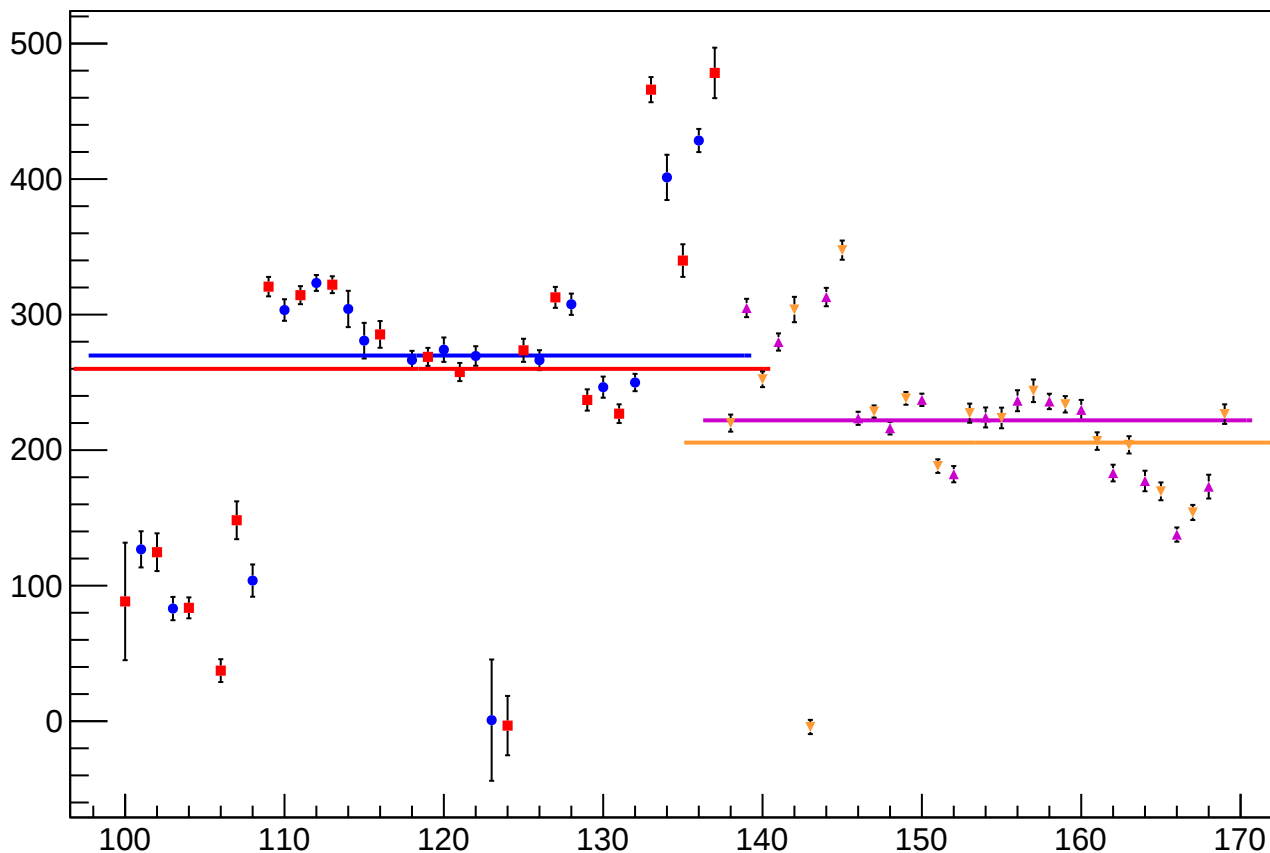
Left In: 9.144 ± 1.102 χ^2/NDF : 134.9/14

+ sign 7.948 ± 0.746 χ^2/NDF : 413.1/33

All: 8.593 ± 0.535 χ^2/NDF : 781.8/67

- sign 9.277 ± 0.768 χ^2/NDF : 367.1/33

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 205.562 $\pm$ 1.477 χ^2 /NDF:2444.1/16

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

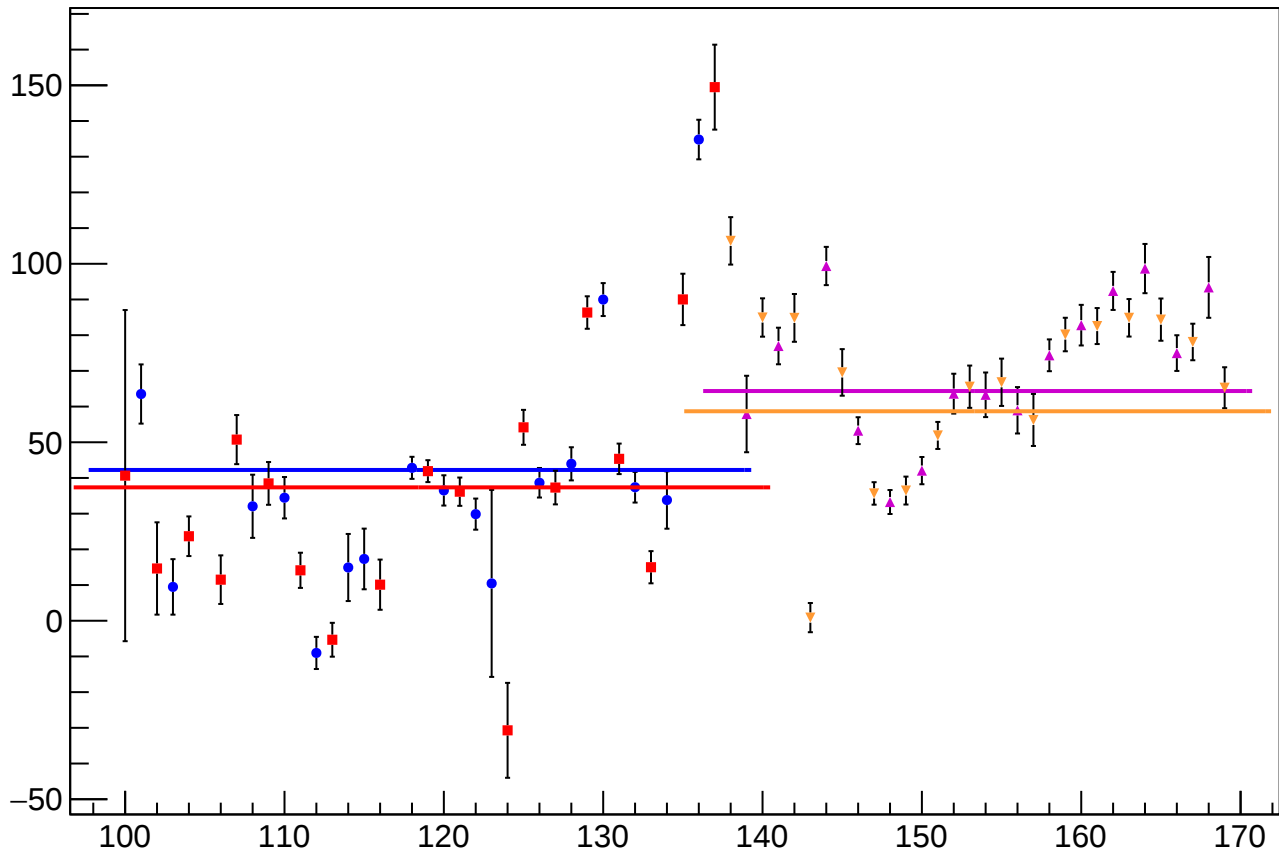
Left In: 221.978 $\pm$ 1.559 χ^2 /NDF:844.1/14

+ sign 226.965 $\pm$ 1.206 χ^2 /NDF: 4448.9/33

All: 231.687 $\pm$ 0.859 χ^2 /NDF: 8090.5/67

- sign 236.554 $\pm$ 1.224 χ^2 /NDF: 3610.5/33

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 58.686 $\pm$ 1.207 χ^2 /NDF: 487.9/16

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

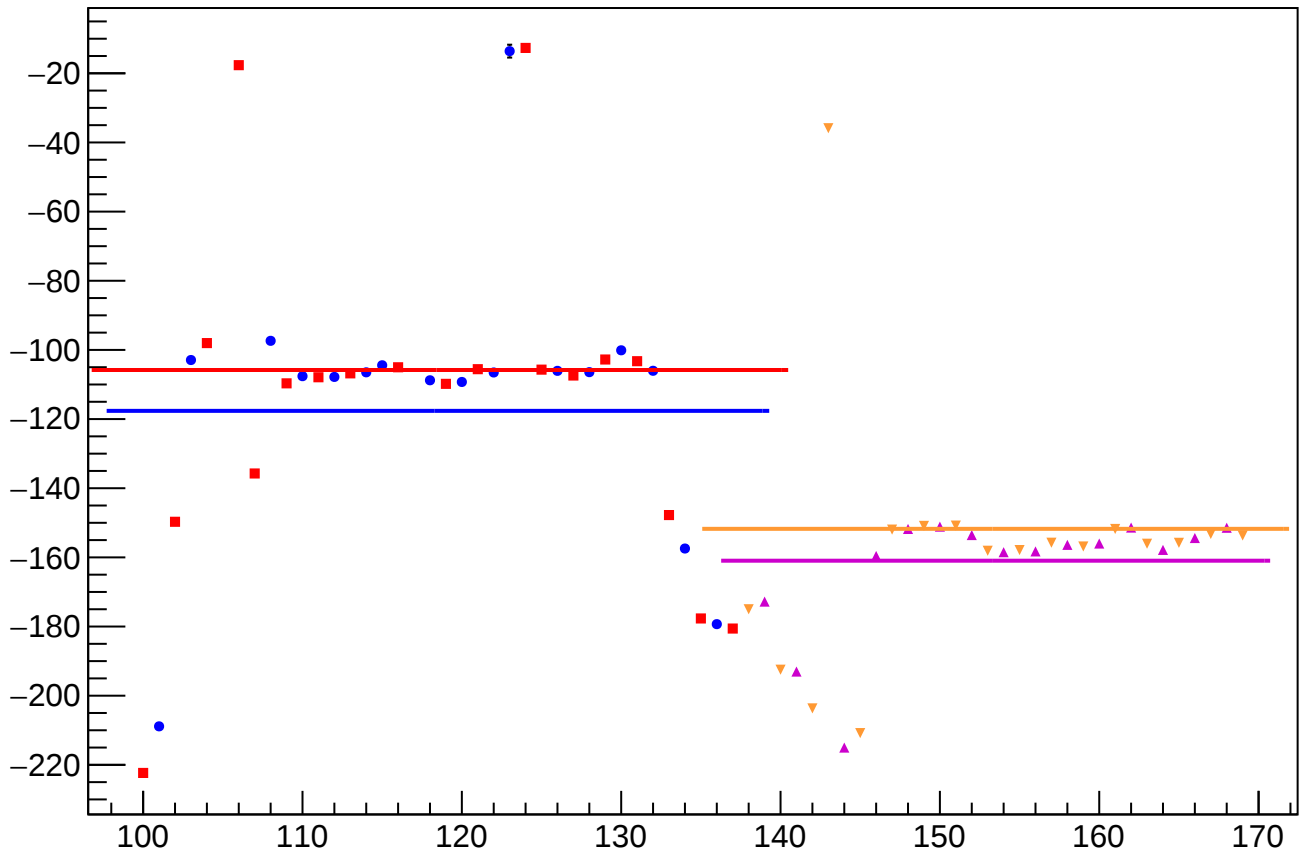
Left In: 64.352 $\pm$ 1.311 χ^2 /NDF: 262.6/14

+ sign 50.908 $\pm$ 0.876 χ^2 /NDF: 1150.1/33

All: 50.492 $\pm$ 0.627 χ^2 /NDF: 2110.1/67

- sign 50.054 $\pm$ 0.899 χ^2 /NDF: 959.5/33

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625 ± 0.079 χ^2/NDF : 141872.3/16

Left Out: -151.745 ± 0.059 χ^2/NDF : 403987.0/16

Right Out: -105.807 ± 0.073 χ^2/NDF : 323108.1/18

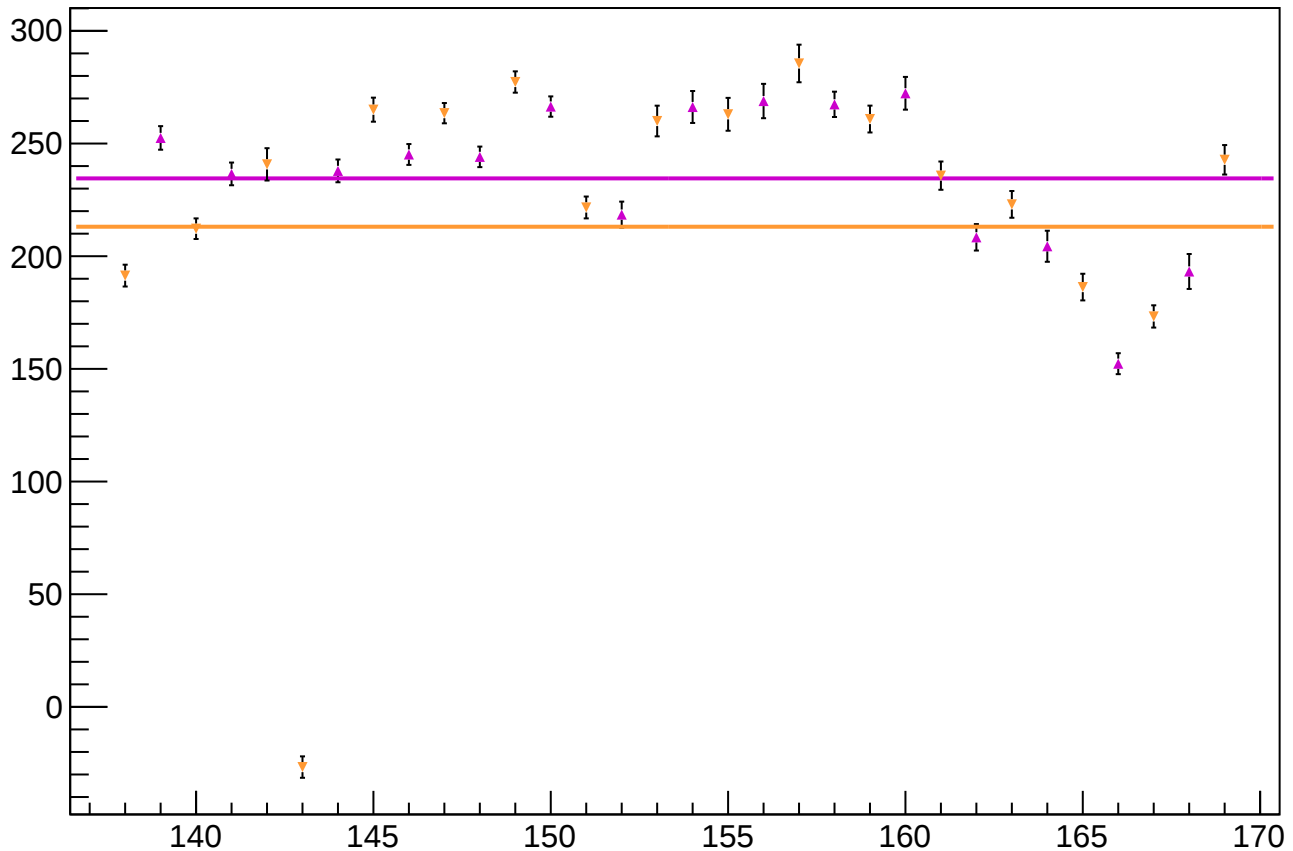
Left In: -160.961 ± 0.063 χ^2/NDF : 61132.1/14

+ sign -139.368 ± 0.047 χ^2/NDF : 666165.0/33

All: -138.458 ± 0.033 χ^2/NDF : 1381294.4/67

- sign -137.543 ± 0.047 χ^2/NDF : 714387.5/33

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 213.084+/-1.342 χ^2/NDF : 3342.2/16

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

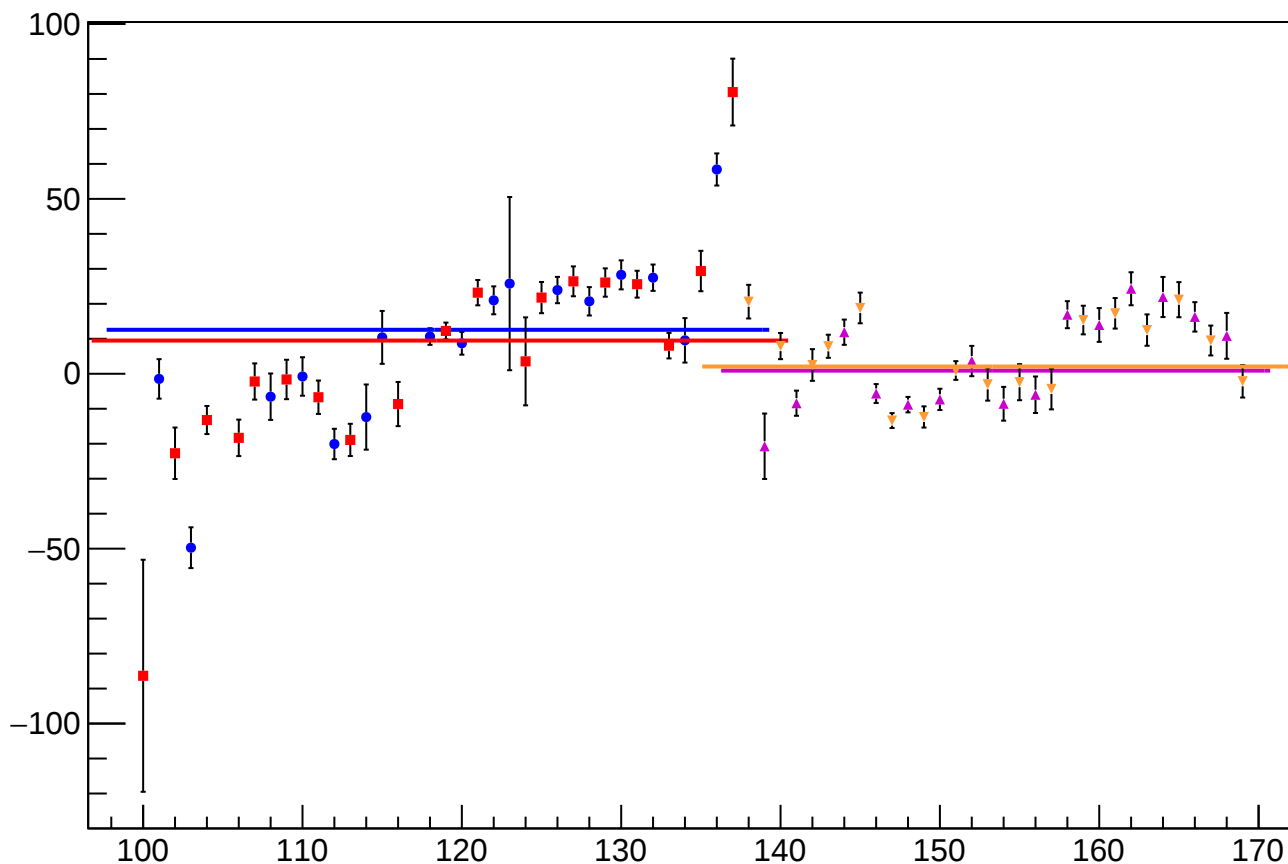
Left In: 234.529+/-1.429 χ^2/NDF : 561.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 223.136+/-0.978 χ^2/NDF : 4023.4/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 ± 1.074 $\chi^2/\text{NDF}: 348.0/16$

Left Out: 2.075 ± 0.917 $\chi^2/\text{NDF}: 159.8/16$

Right Out: 9.493 ± 1.047 $\chi^2/\text{NDF}: 295.8/18$

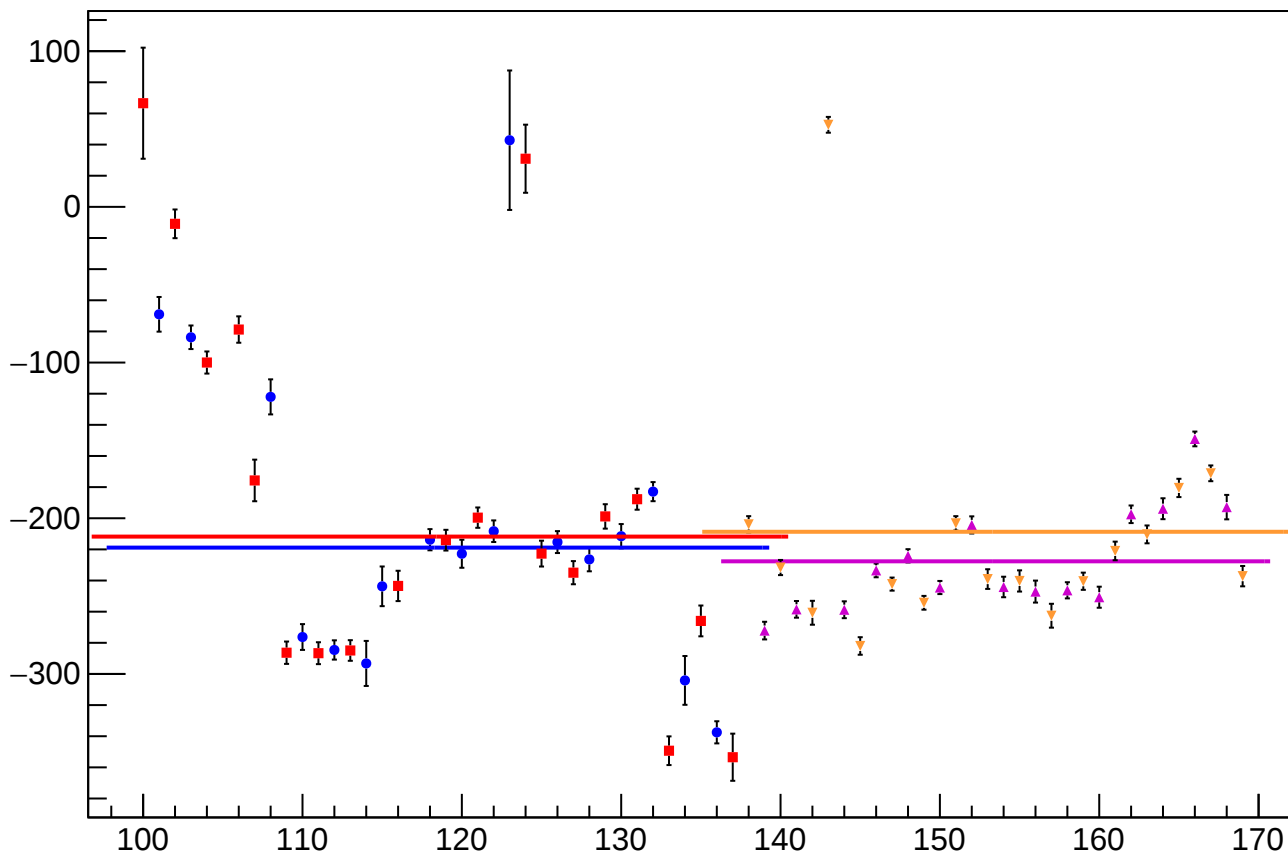
Left In: 0.901 ± 0.993 $\chi^2/\text{NDF}: 138.1/14$

+ sign 6.500 ± 0.697 $\chi^2/\text{NDF}: 563.1/33$

All: 5.760 ± 0.501 $\chi^2/\text{NDF}: 1034.8/67$

- sign 4.969 ± 0.721 $\chi^2/\text{NDF}: 469.3/33$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -208.688 ± 1.329 $\chi^2/\text{NDF}: 3291.0/16$

Right Out: -211.780 ± 1.924 $\chi^2/\text{NDF}: 1885.2/18$

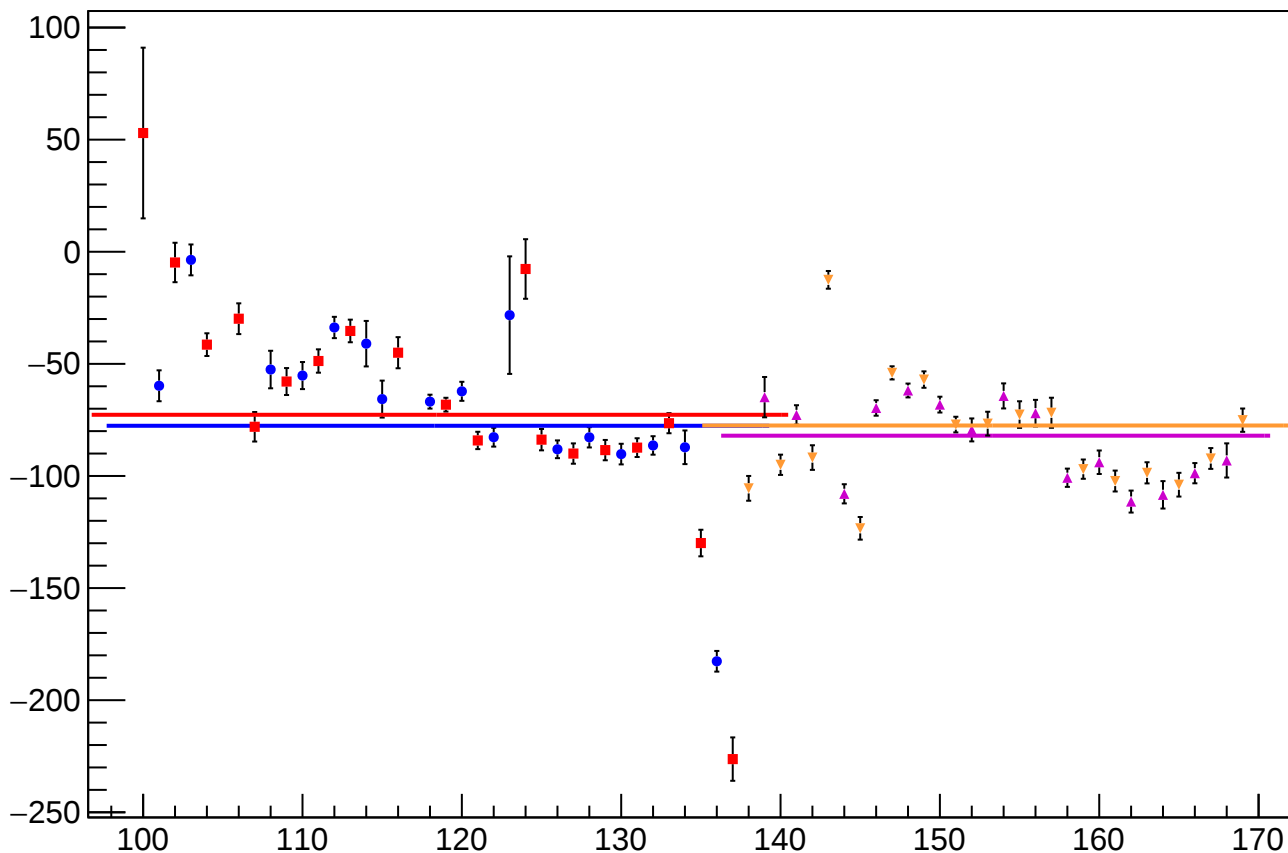
Left In: -227.665 ± 1.398 $\chi^2/\text{NDF}: 551.7/14$

+ sign -211.752 ± 1.110 $\chi^2/\text{NDF}: 4455.2/33$

All: -216.869 ± 0.792 $\chi^2/\text{NDF}: 6979.9/67$

- sign -222.176 ± 1.131 $\chi^2/\text{NDF}: 2481.5/33$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -77.488 ± 1.090 χ^2/NDF : 600.6/16

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

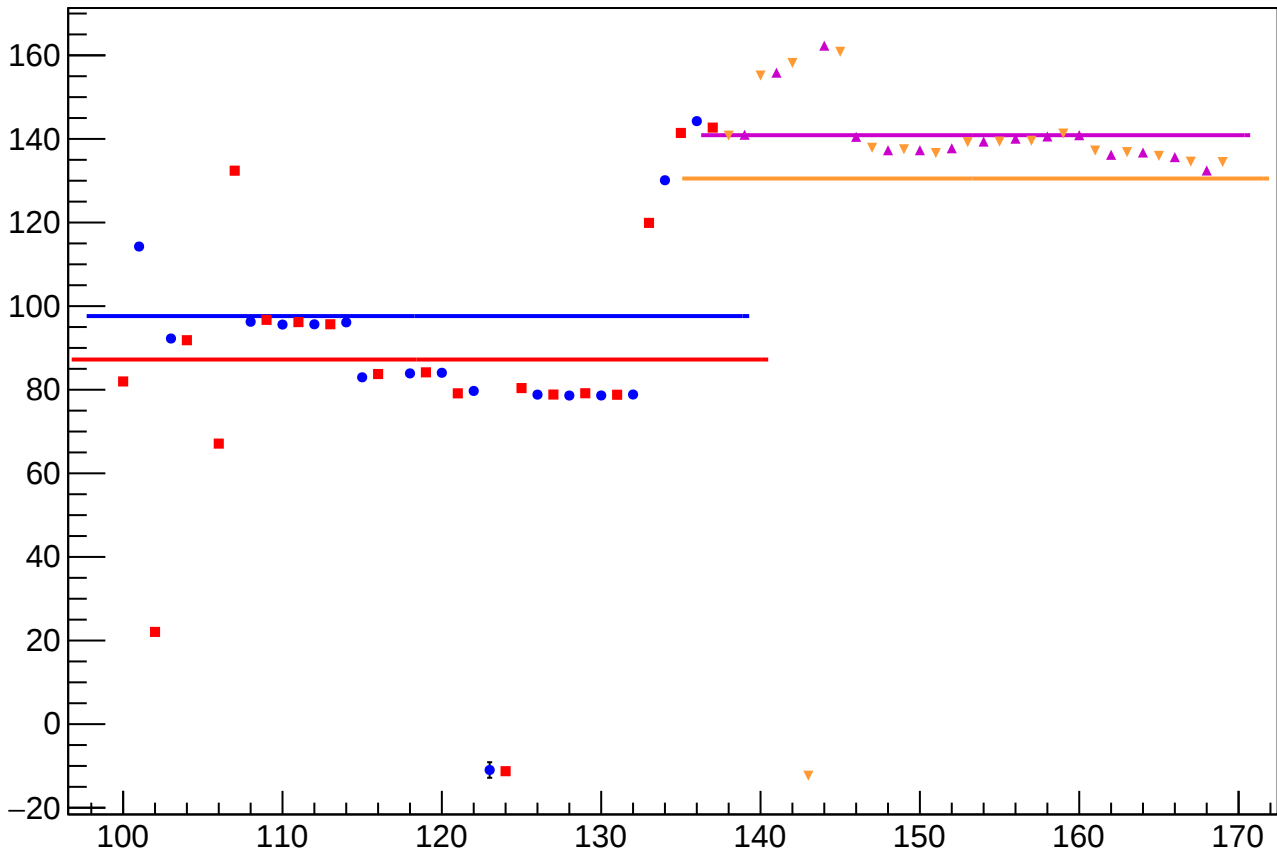
Left In: -82.034 ± 1.179 χ^2/NDF : 225.7/14

+ sign -77.542 ± 0.818 χ^2/NDF : 1416.4/33

All: -77.511 ± 0.587 χ^2/NDF : 2344.1/67

- sign -77.478 ± 0.843 χ^2/NDF : 927.7/33

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620±/0.074 χ^2/NDF : 94045.2/16

Left Out: 130.528±/0.053 χ^2/NDF : 550871.5/16

Right Out: 87.226±/0.068 χ^2/NDF : 220850.5/18

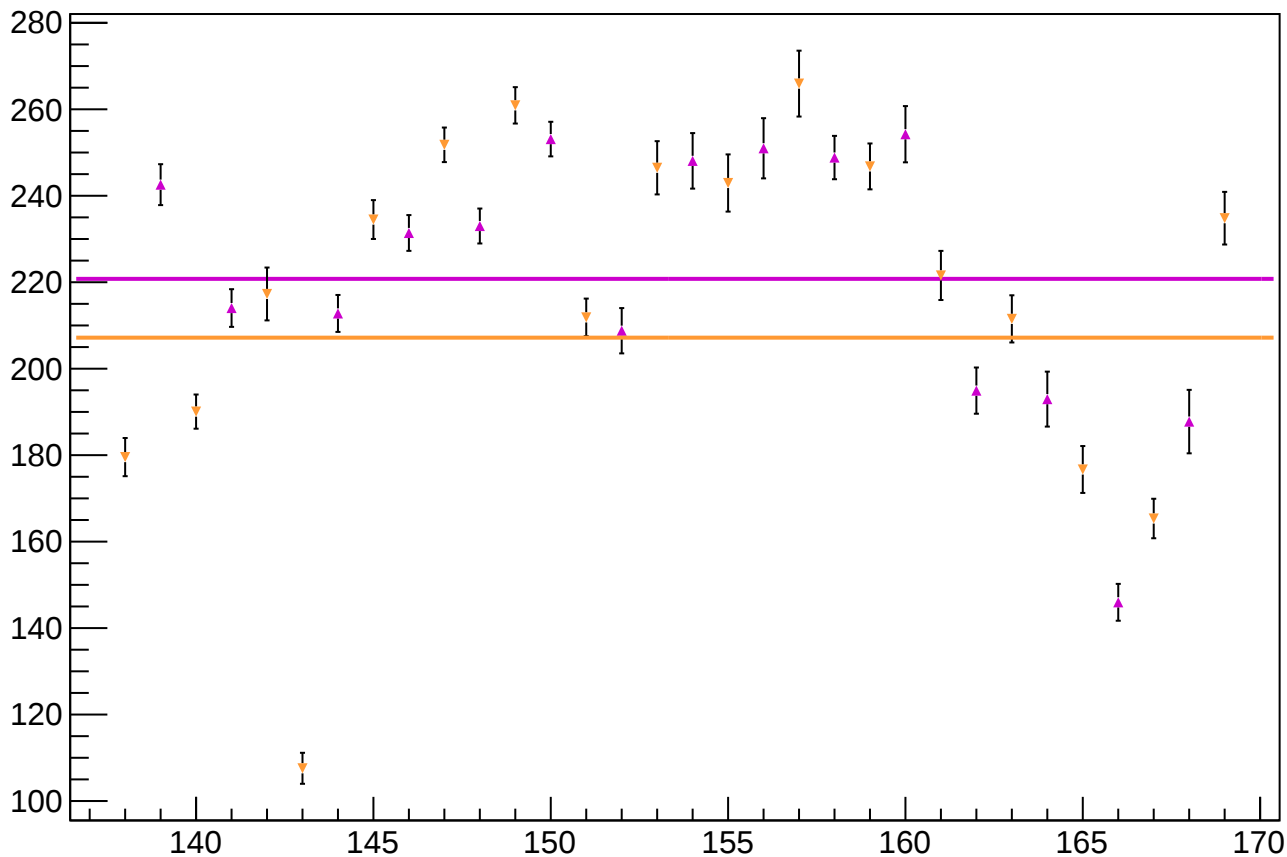
Left In: 140.893±/0.056 χ^2/NDF : 16094.8/14

+ sign 119.244±/0.043 χ^2/NDF : 775884.6/33

All: 119.265±/0.031 χ^2/NDF : 1381993.0/67

- sign 119.285±/0.043 χ^2/NDF : 606108.0/33

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: 207.179+/-1.181 χ^2/NDF :1486.5/16

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

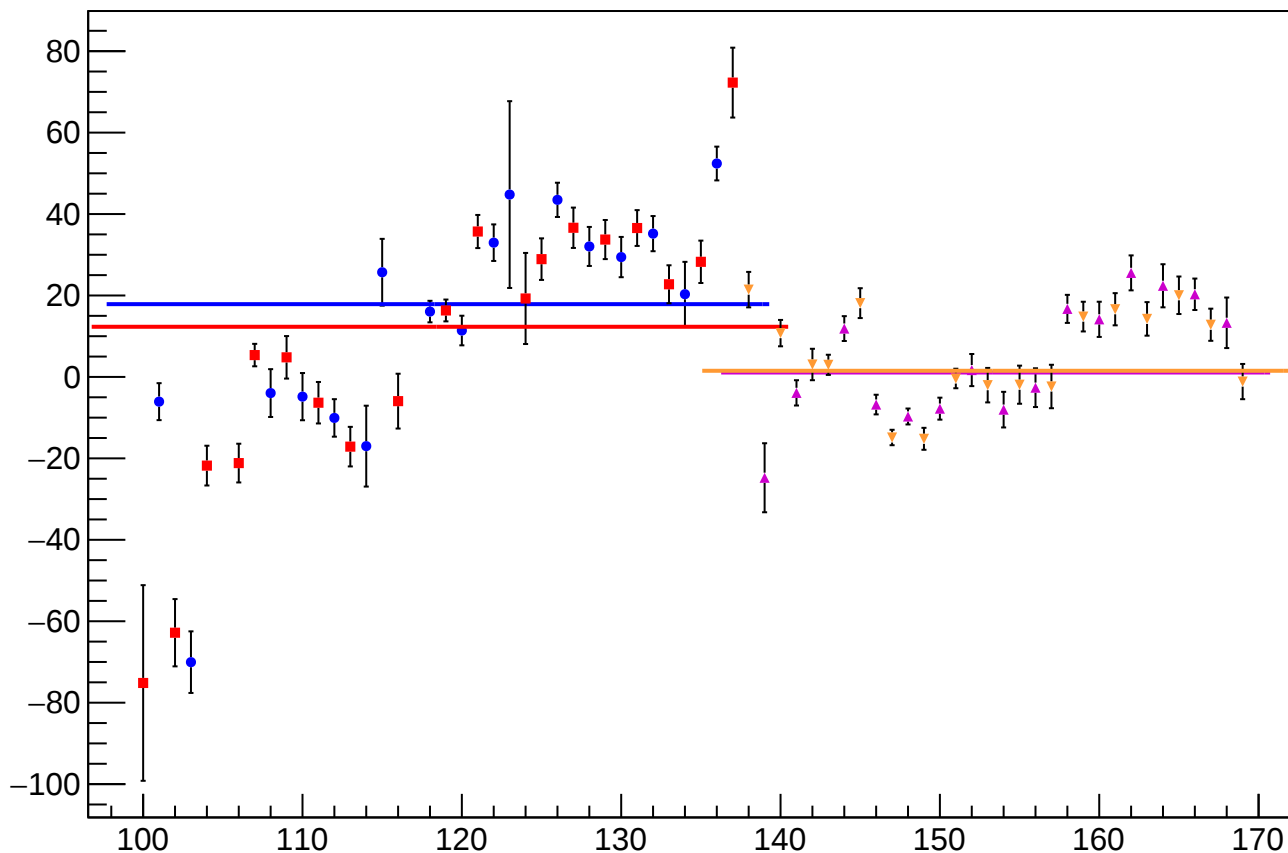
Left In: 220.780+/-1.278 χ^2/NDF :578.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 213.446+/-0.867 χ^2/NDF : 2126.4/31

- 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: 17.872 ± 1.166 $\chi^2/\text{NDF}: 395.3/16$

Left Out: 1.511 ± 0.805 $\chi^2/\text{NDF}: 228.1/16$

Right Out: 12.317 ± 1.083 $\chi^2/\text{NDF}: 444.0/18$

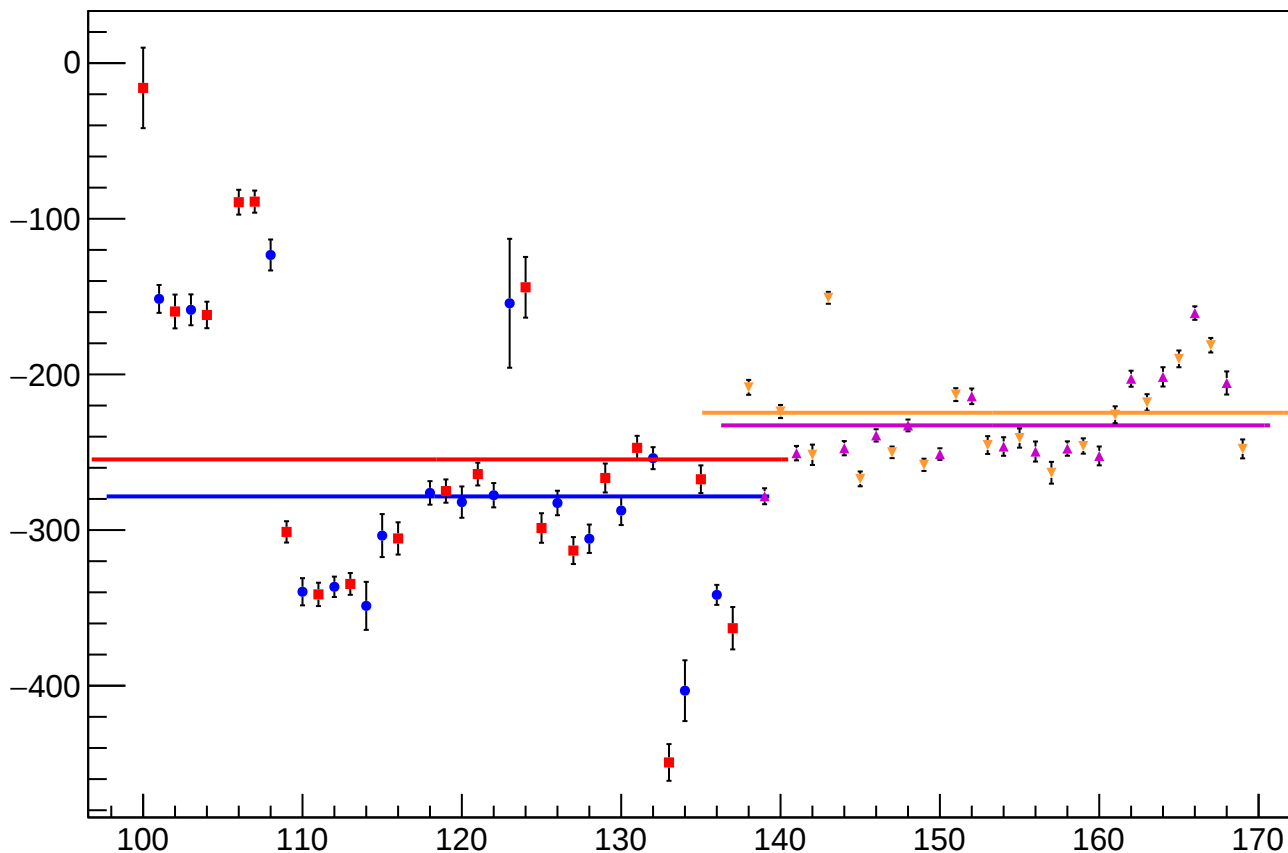
Left In: 1.084 ± 0.885 $\chi^2/\text{NDF}: 188.3/14$

+ sign 6.794 ± 0.662 $\chi^2/\text{NDF}: 756.8/33$

All: 6.208 ± 0.476 $\chi^2/\text{NDF}: 1455.3/67$

- sign 5.580 ± 0.685 $\chi^2/\text{NDF}: 696.8/33$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -224.626 ± 1.173 χ^2/NDF : 820.3/16

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

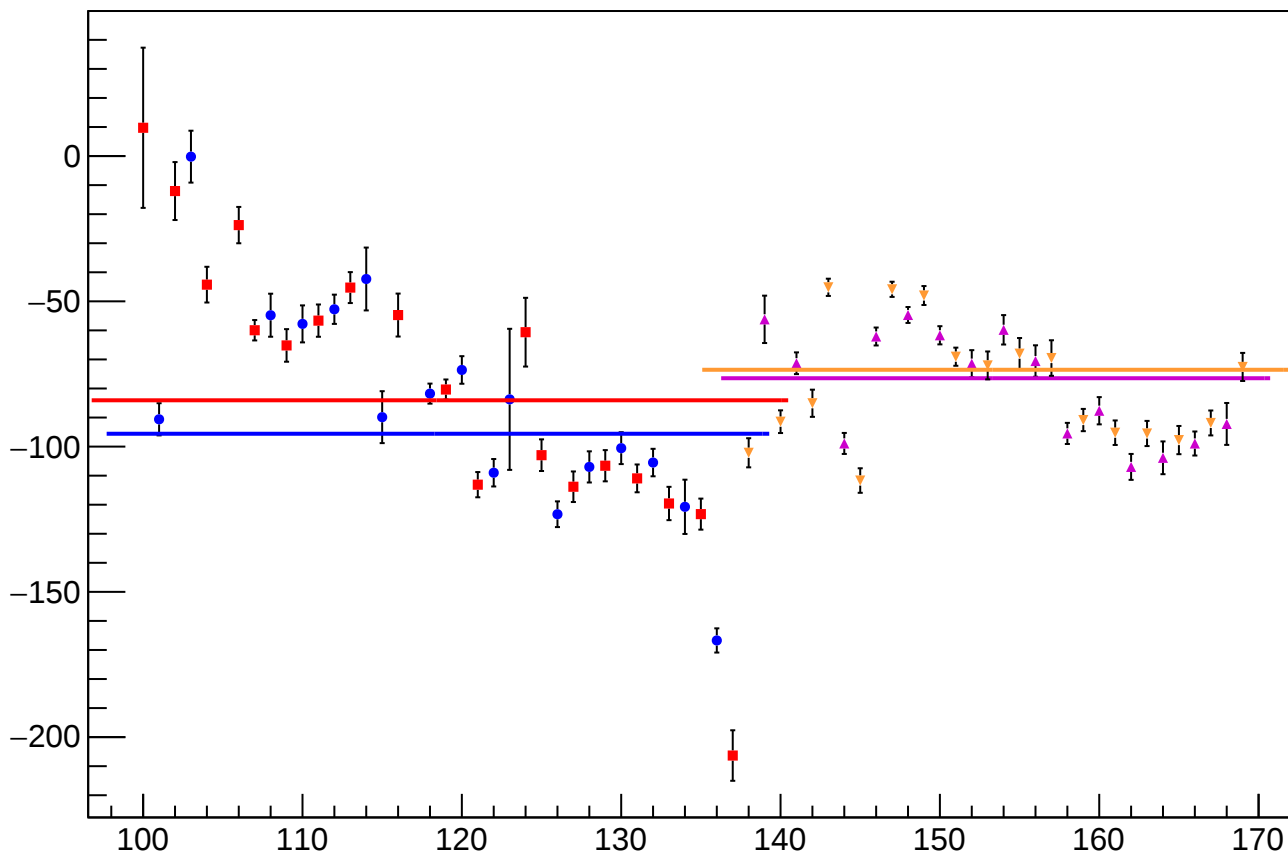
Left In: -232.742 ± 1.252 χ^2/NDF : 526.4/14

+ sign -236.660 ± 1.034 χ^2/NDF : 2200.7/33

All: -237.703 ± 0.741 χ^2/NDF : 4851.3/67

- sign -238.807 ± 1.064 χ^2/NDF : 2648.6/33

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -73.557 ± 0.960 χ^2/NDF : 525.6/16

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

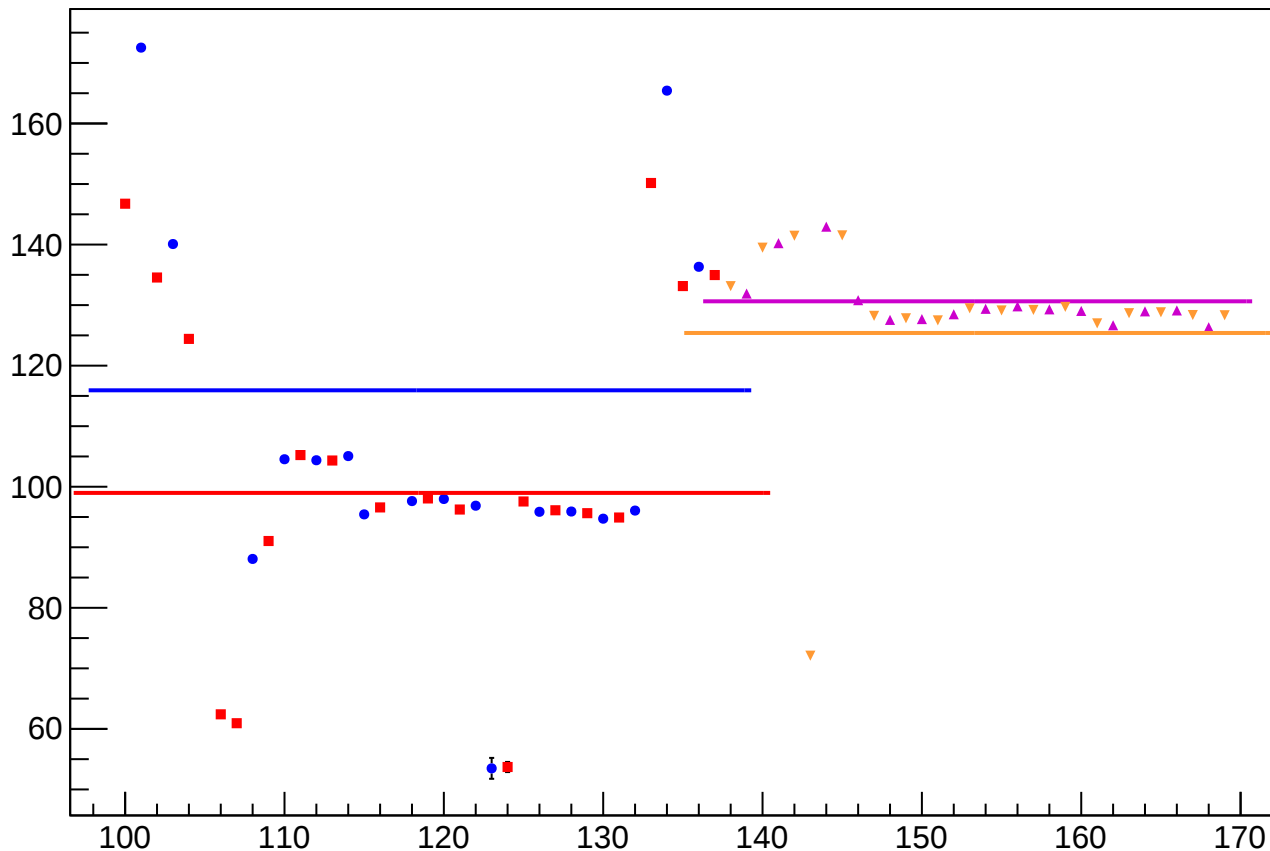
Left In: -76.470 ± 1.052 χ^2/NDF : 304.6/14

+ sign -81.018 ± 0.780 χ^2/NDF : 1375.2/33

All: -80.332 ± 0.561 χ^2/NDF : 2486.1/67

- sign -79.599 ± 0.807 χ^2/NDF : 1109.3/33

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 125.398 $\pm$ 0.047 χ^2 /NDF: 142494.6/16

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

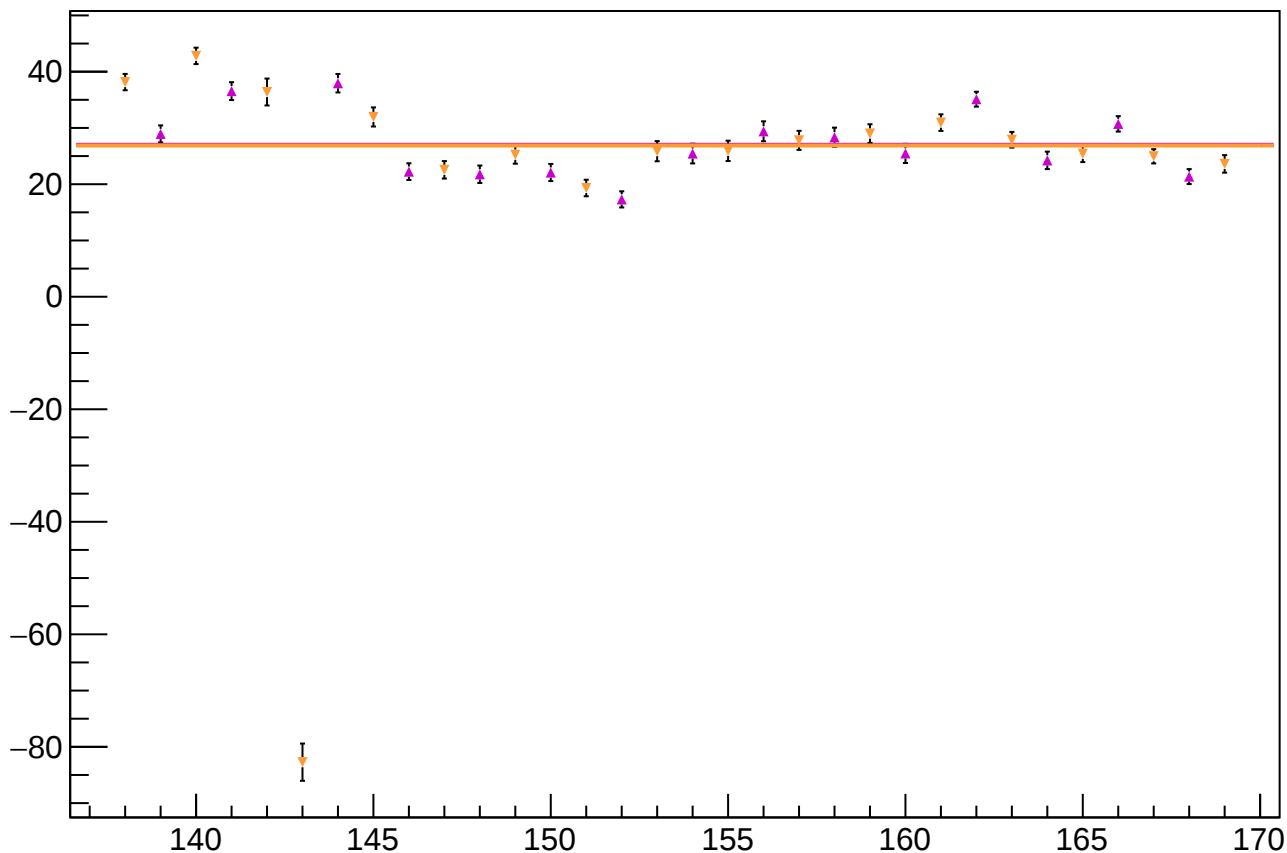
Left In: 130.627 $\pm$ 0.050 χ^2 /NDF: 8173.5/14

+ sign 122.887 $\pm$ 0.040 χ^2 /NDF: 259004.0/33

All: 121.232 $\pm$ 0.029 χ^2 /NDF: 582144.4/67

- sign 119.565 $\pm$ 0.041 χ^2 /NDF: 319770.4/33

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



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

Left Out: 26.879+/-0.389 χ^2/NDF :1353.9/16

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

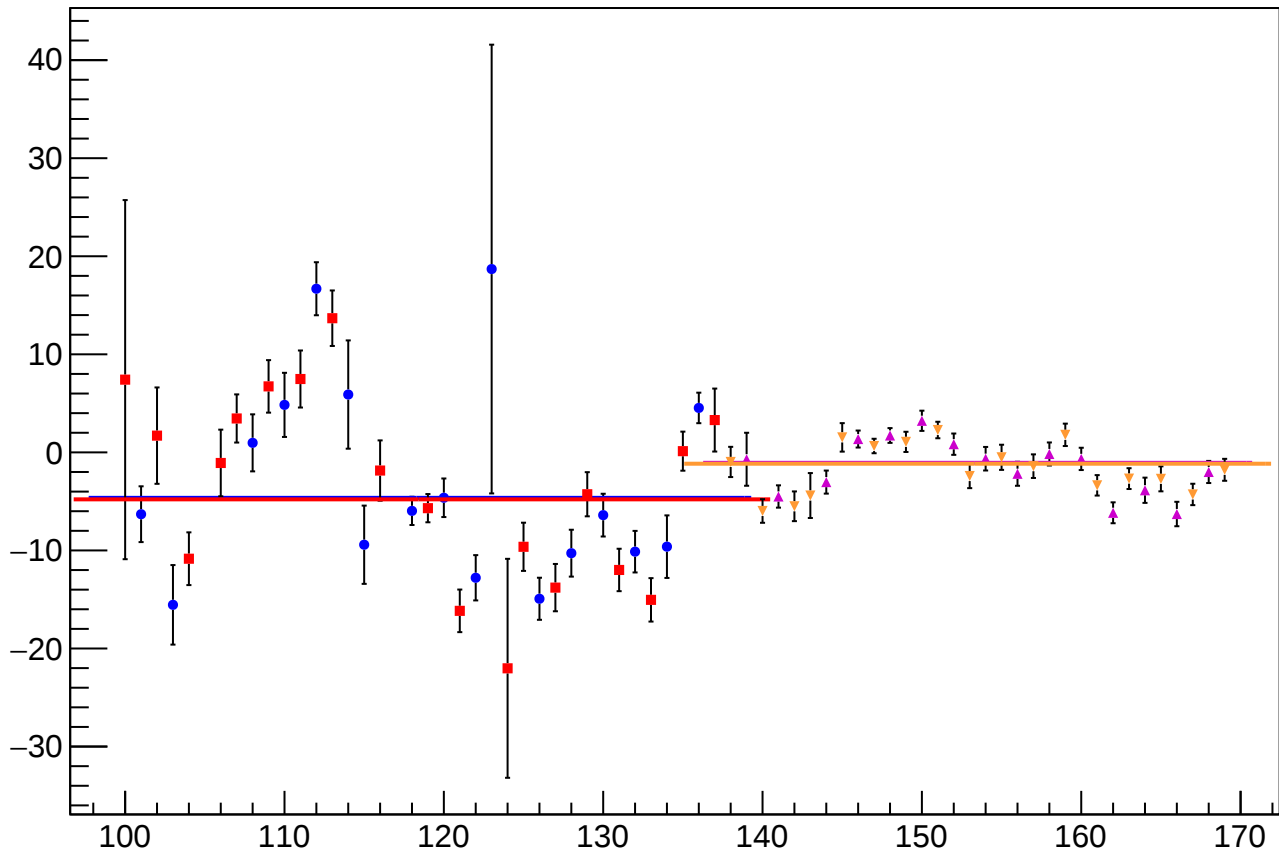
Left In: 27.001+/-0.395 χ^2/NDF :230.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 26.939+/-0.277 χ^2/NDF : 1583.9/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -1.156 ± 0.275 χ^2/NDF : 81.6/16

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

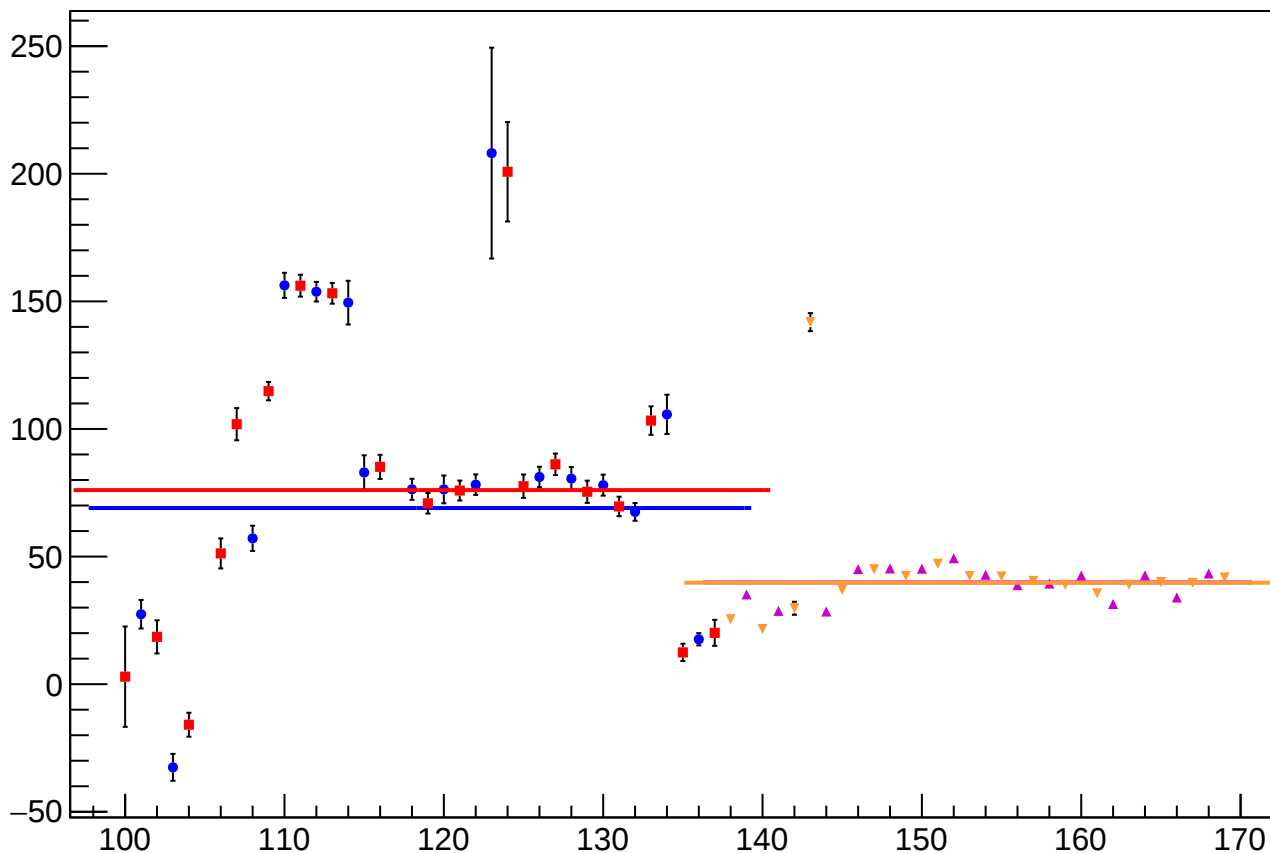
Left In: -1.066 ± 0.285 χ^2/NDF : 101.3/14

+ sign -1.783 ± 0.249 χ^2/NDF : 284.8/33

All: -1.783 ± 0.179 χ^2/NDF : 611.4/67

- sign -1.783 ± 0.256 χ^2/NDF : 326.6/33

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019 ± 1.083 $\chi^2/\text{NDF}: 1848.0/16$

Left Out: 39.766 ± 0.382 $\chi^2/\text{NDF}: 1131.4/16$

Right Out: 76.041 ± 1.070 $\chi^2/\text{NDF}: 1881.9/18$

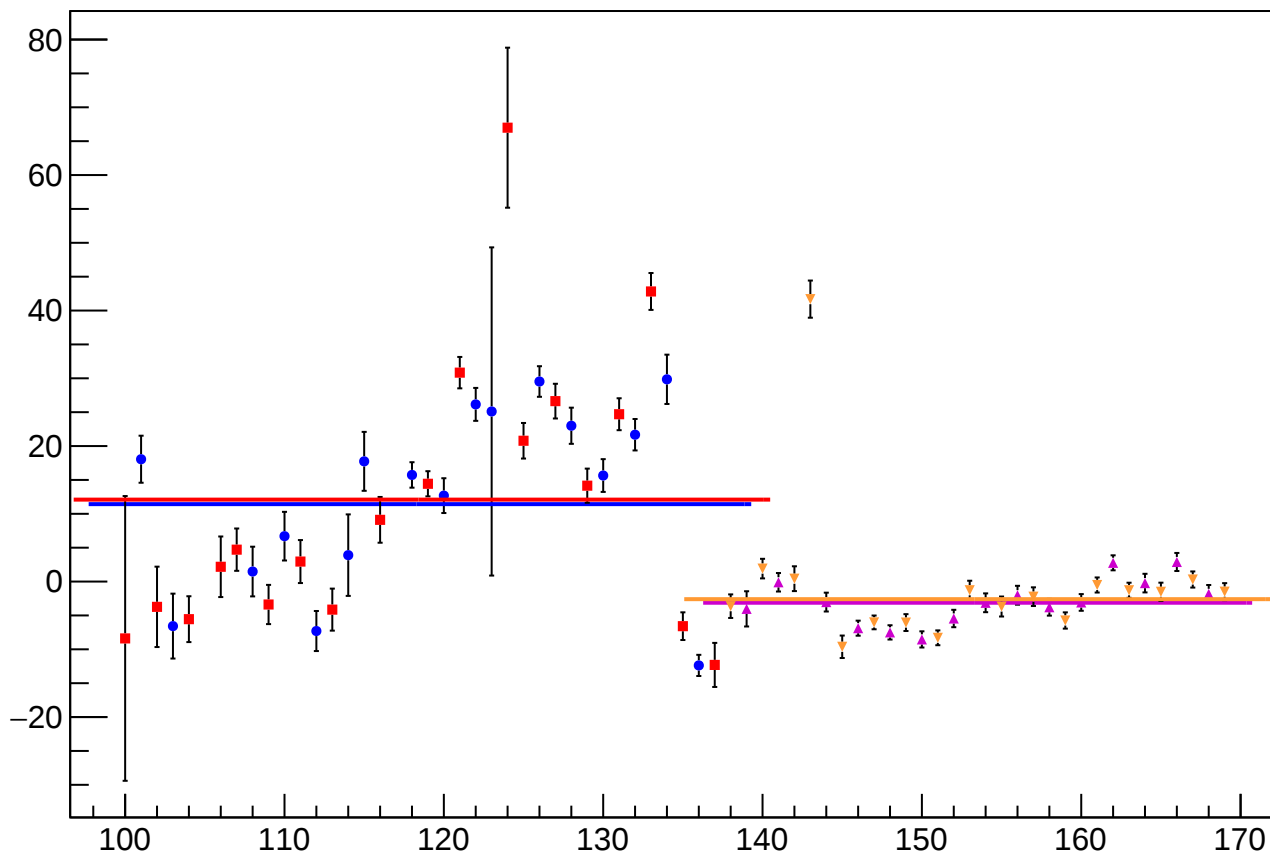
Left In: 39.885 ± 0.386 $\chi^2/\text{NDF}: 261.7/14$

+ sign 42.994 ± 0.360 $\chi^2/\text{NDF}: 3628.0/33$

All: 43.519 ± 0.256 $\chi^2/\text{NDF}: 6786.3/67$

- sign 44.055 ± 0.363 $\chi^2/\text{NDF}: 3154.0/33$

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 ± 0.665 χ^2/NDF : 476.8/16

Left Out: -2.598 ± 0.320 χ^2/NDF : 358.4/16

Right Out: 12.095 ± 0.664 χ^2/NDF : 539.1/18

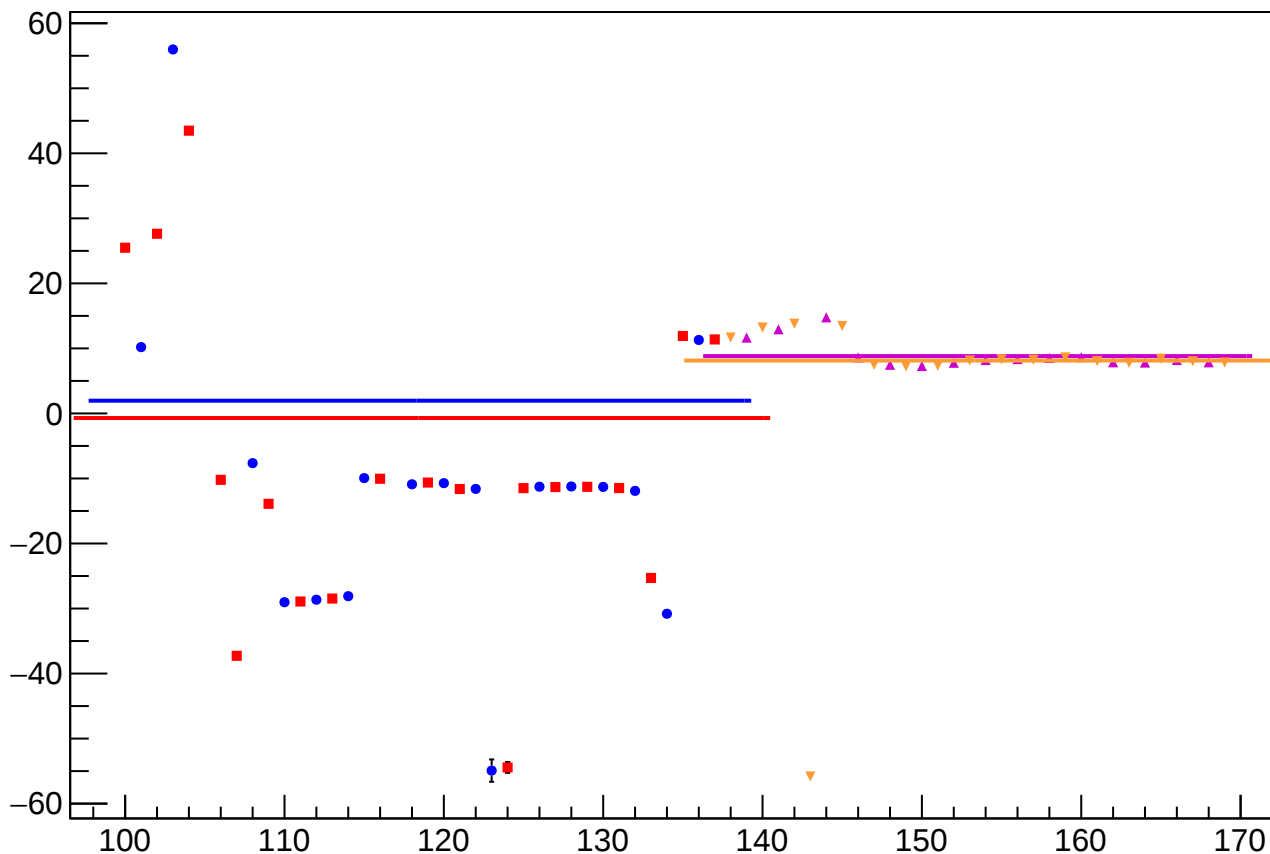
Left In: -3.125 ± 0.332 χ^2/NDF : 112.6/14

+ sign 0.039 ± 0.289 χ^2/NDF : 1195.9/33

All: -0.017 ± 0.207 χ^2/NDF : 2267.9/67

- sign -0.076 ± 0.297 χ^2/NDF : 1071.9/33

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 $\pm$ 0.037 χ^2/NDF : 358457.0/16

Left Out: 8.132 $\pm$ 0.015 χ^2/NDF : 222614.9/16

Right Out: -0.704 $\pm$ 0.037 χ^2/NDF : 361168.6/18

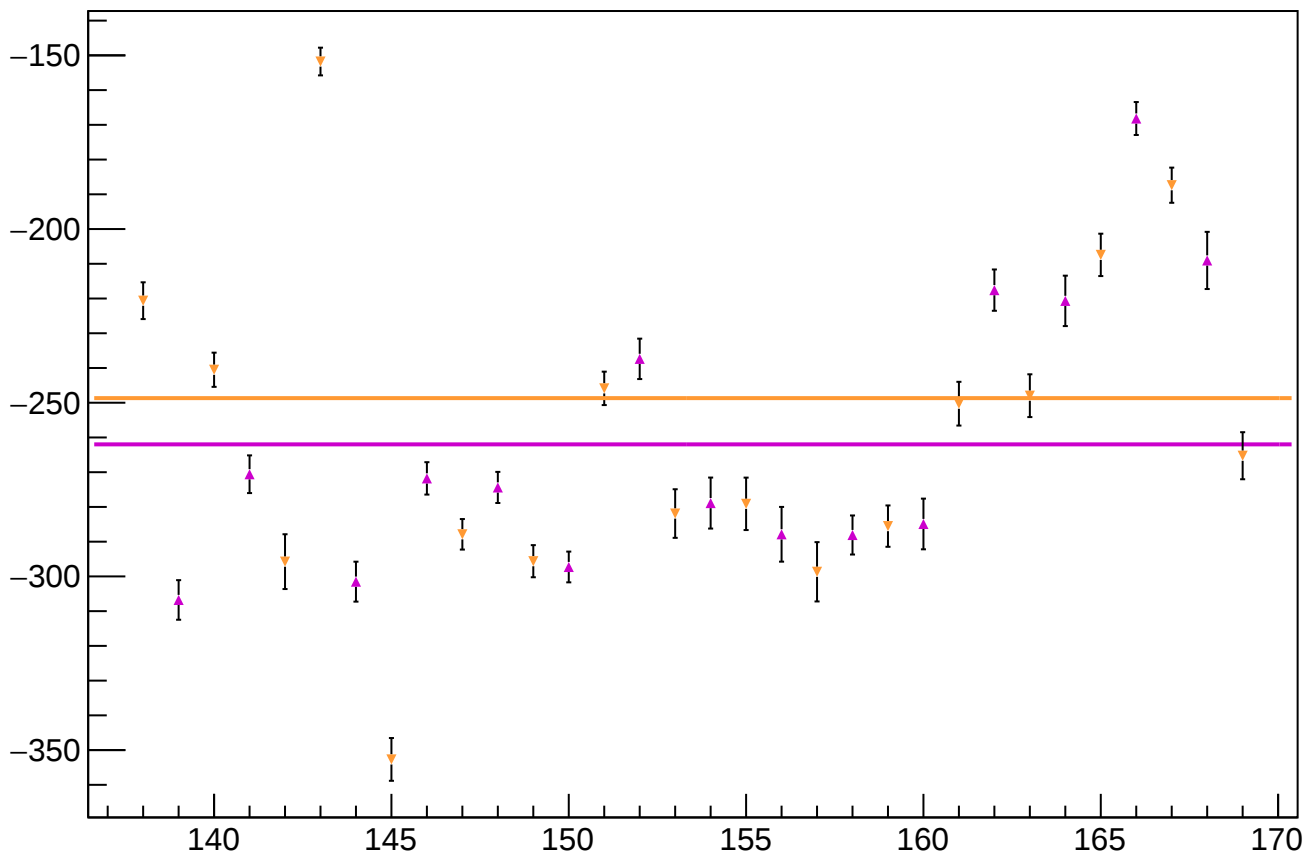
Left In: 8.817 $\pm$ 0.015 χ^2/NDF : 14854.4/14

+ sign 7.272 $\pm$ 0.014 χ^2/NDF : 604828.0/33

All: 7.360 $\pm$ 0.010 χ^2/NDF : 1037267.6/67

- sign 7.450 $\pm$ 0.014 χ^2/NDF : 432358.4/33

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: -248.675+/-1.357 χ^2/NDF :1434.7/16

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

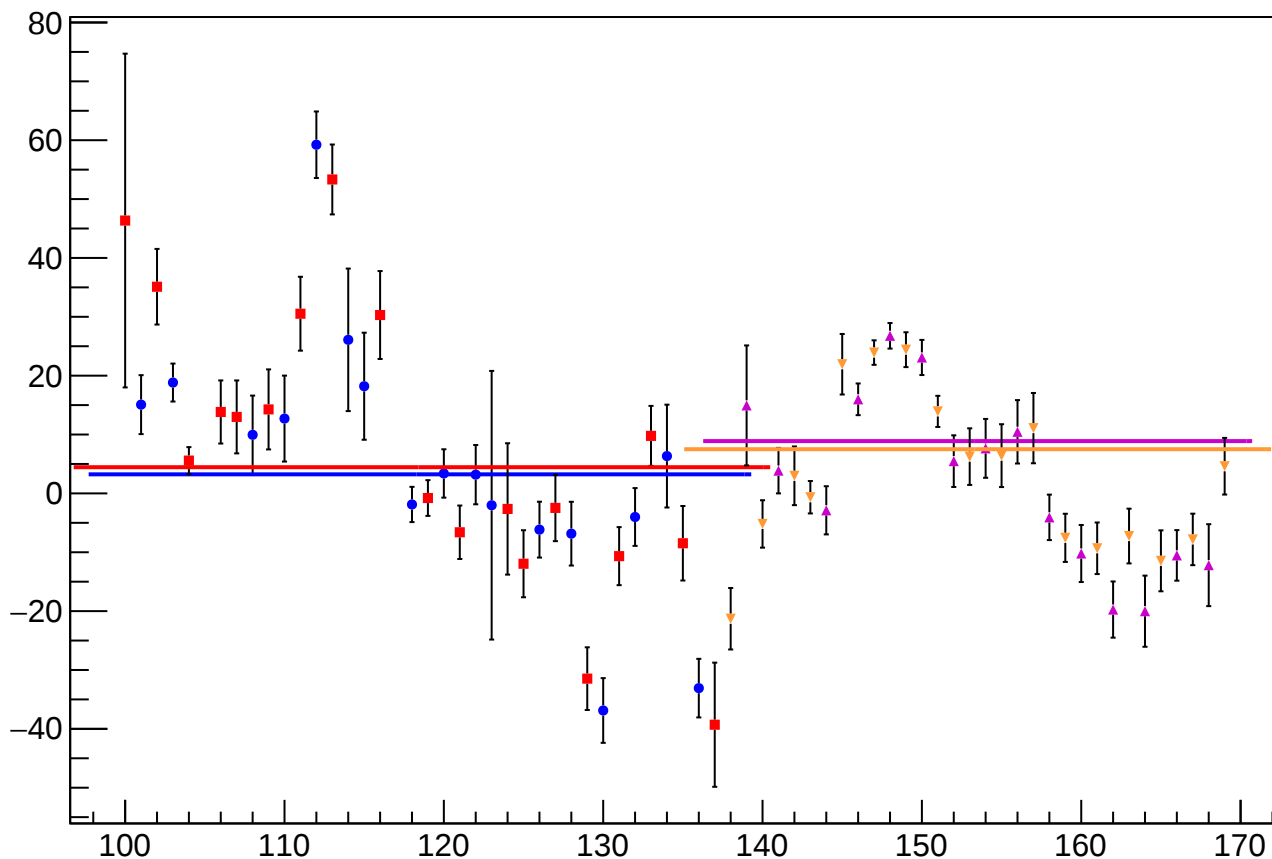
Left In: -261.988+/-1.470 χ^2/NDF :773.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -254.800+/-0.997 χ^2/NDF : 2252.3/31

- 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: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 7.506 ± 0.915 χ^2/NDF : 223.4/16

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

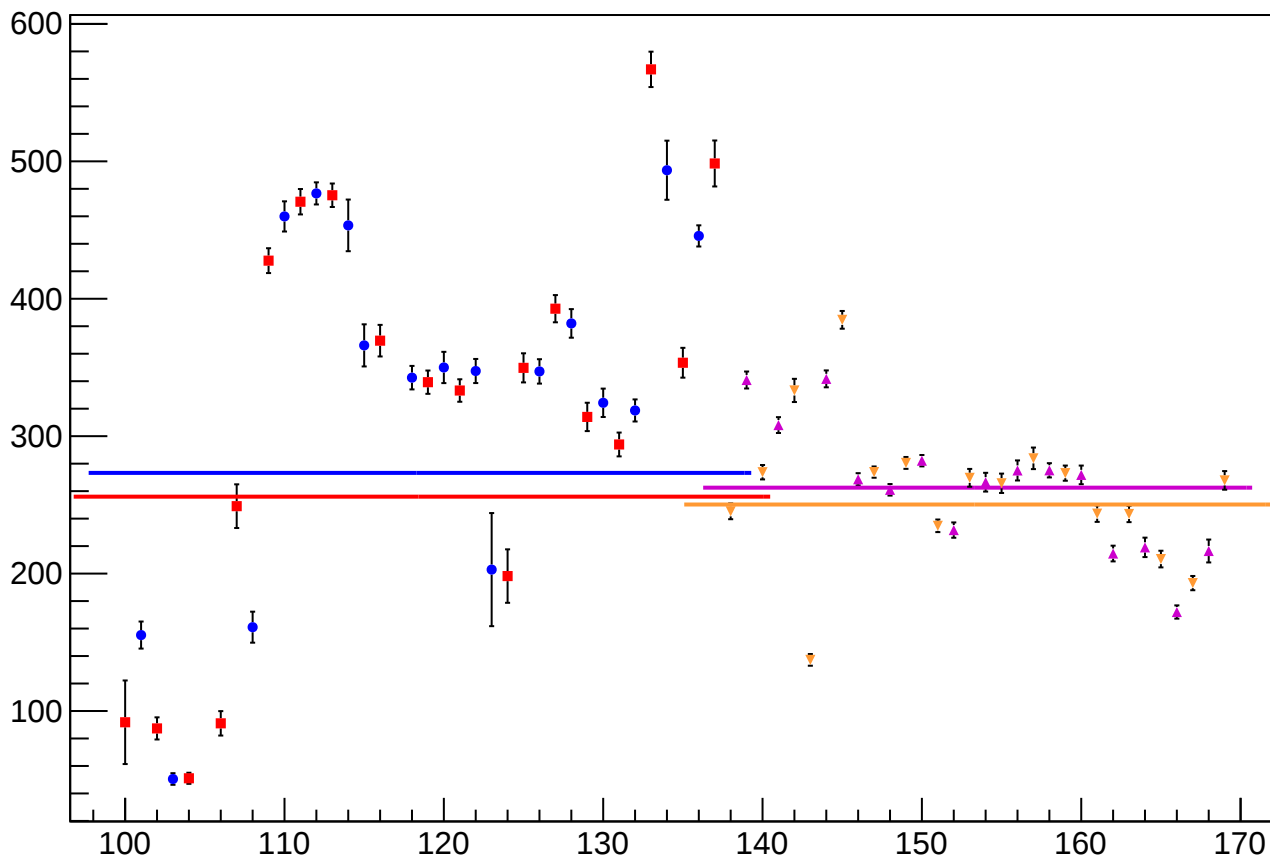
Left In: 8.886 ± 1.010 χ^2/NDF : 223.8/14

+ sign 6.006 ± 0.737 χ^2/NDF : 486.3/33

All: 6.472 ± 0.529 χ^2/NDF : 945.0/67

- sign 6.969 ± 0.761 χ^2/NDF : 457.9/33

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 ± 2.205 $\chi^2/\text{NDF}: 5101.5/16$

Left Out: 250.268 ± 1.341 $\chi^2/\text{NDF}: 1572.4/16$

Right Out: 255.985 ± 2.080 $\chi^2/\text{NDF}: 6438.4/18$

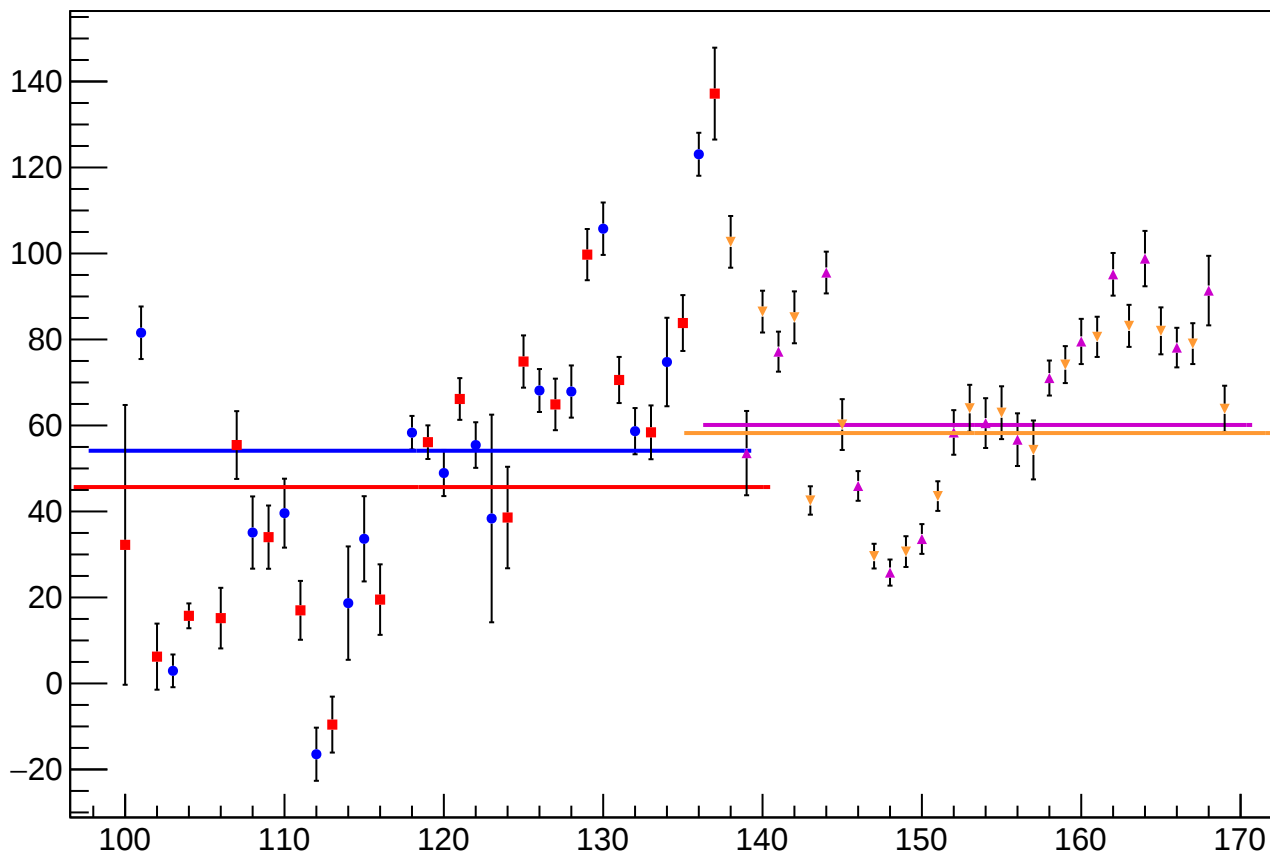
Left In: 262.525 ± 1.433 $\chi^2/\text{NDF}: 944.5/14$

+ sign 256.484 ± 1.146 $\chi^2/\text{NDF}: 6753.4/33$

All: 258.395 ± 0.822 $\chi^2/\text{NDF}: 14148.8/67$

- sign 260.420 ± 1.180 $\chi^2/\text{NDF}: 7389.6/33$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119+/-1.438 χ^2 /NDF: 633.9/16

Left Out: 58.234+/-1.093 χ^2 /NDF:411.6/16

Right Out: 45.675+/-1.357 χ^2 /NDF: 531.0/18

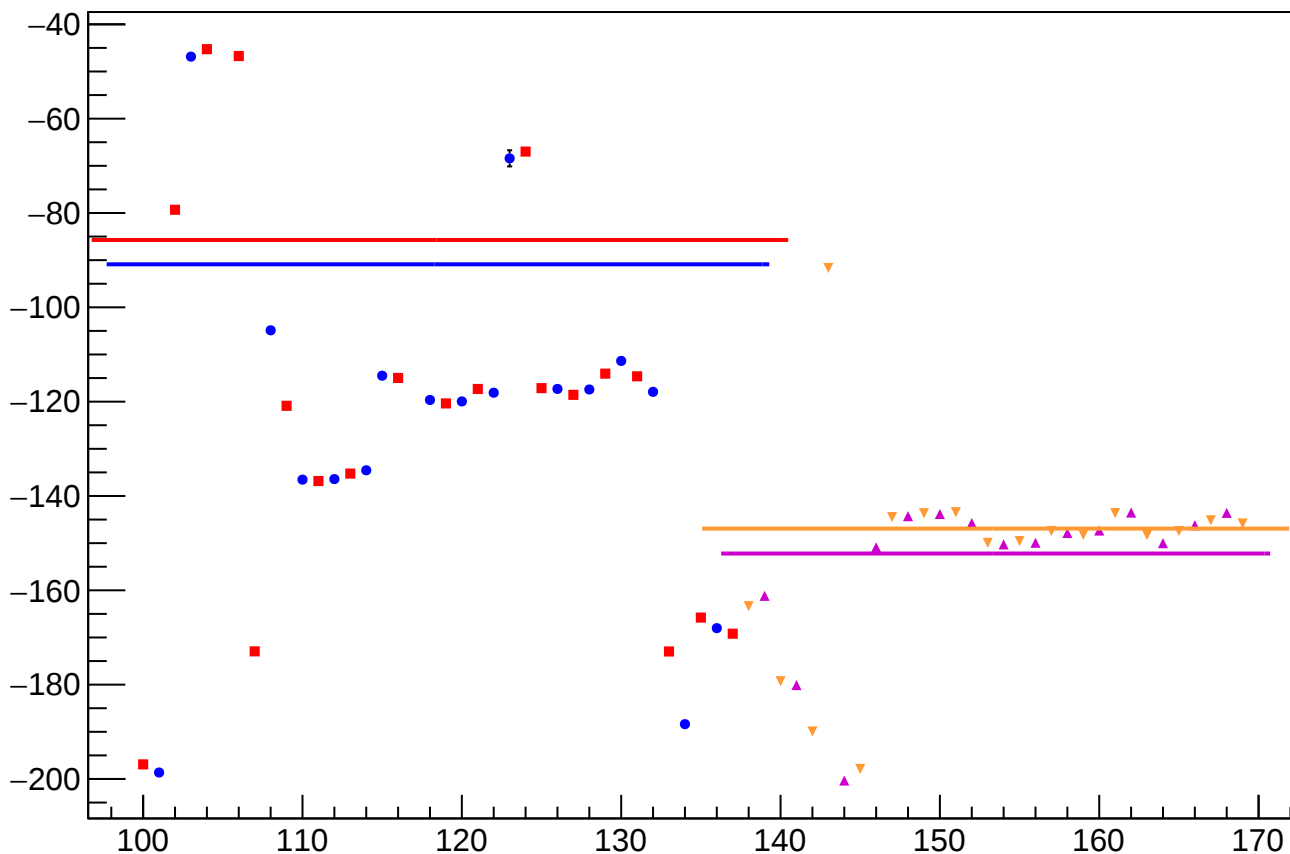
Left In: 60.117+/-1.202 χ^2 /NDF:408.0/14

+ sign 56.727+/-0.870 χ^2 /NDF: 1050.7/33

All: 55.297+/-0.626 χ^2 /NDF: 2058.8/67

- sign 53.768+/-0.900 χ^2 /NDF: 1002.5/33

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881 ± 0.068 χ^2/NDF : 533423.8/16

Left Out: -146.911 ± 0.054 χ^2/NDF : 187171.6/16

Right Out: -85.722 ± 0.065 χ^2/NDF : 494183.1/18

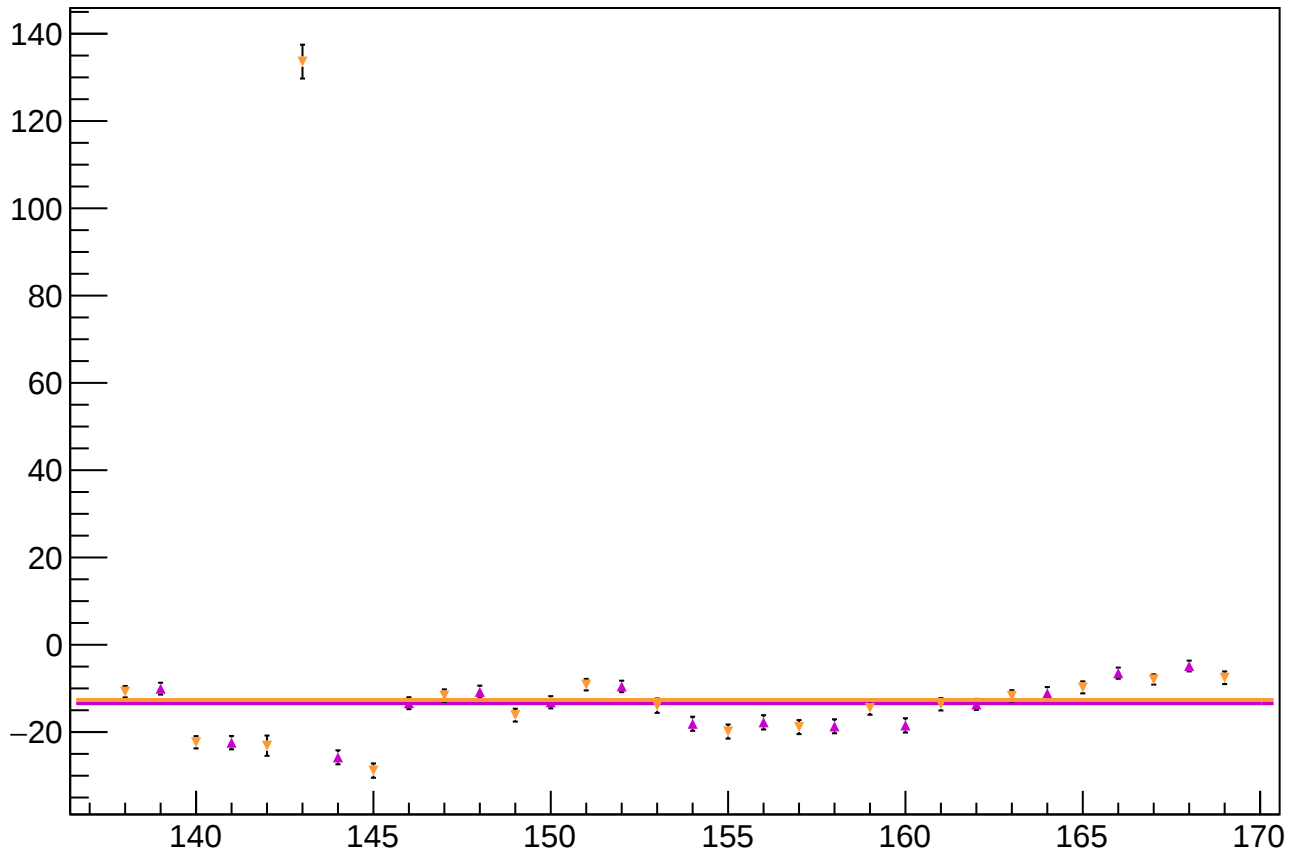
Left In: -152.200 ± 0.058 χ^2/NDF : 57104.4/14

+ sign -125.193 ± 0.042 χ^2/NDF : 1139391.6/33

All: -124.137 ± 0.030 χ^2/NDF : 2277878.4/67

- sign -123.035 ± 0.043 χ^2/NDF : 1137206.2/33

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: -12.653+/-0.364 χ^2/NDF : 1669.6/16

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

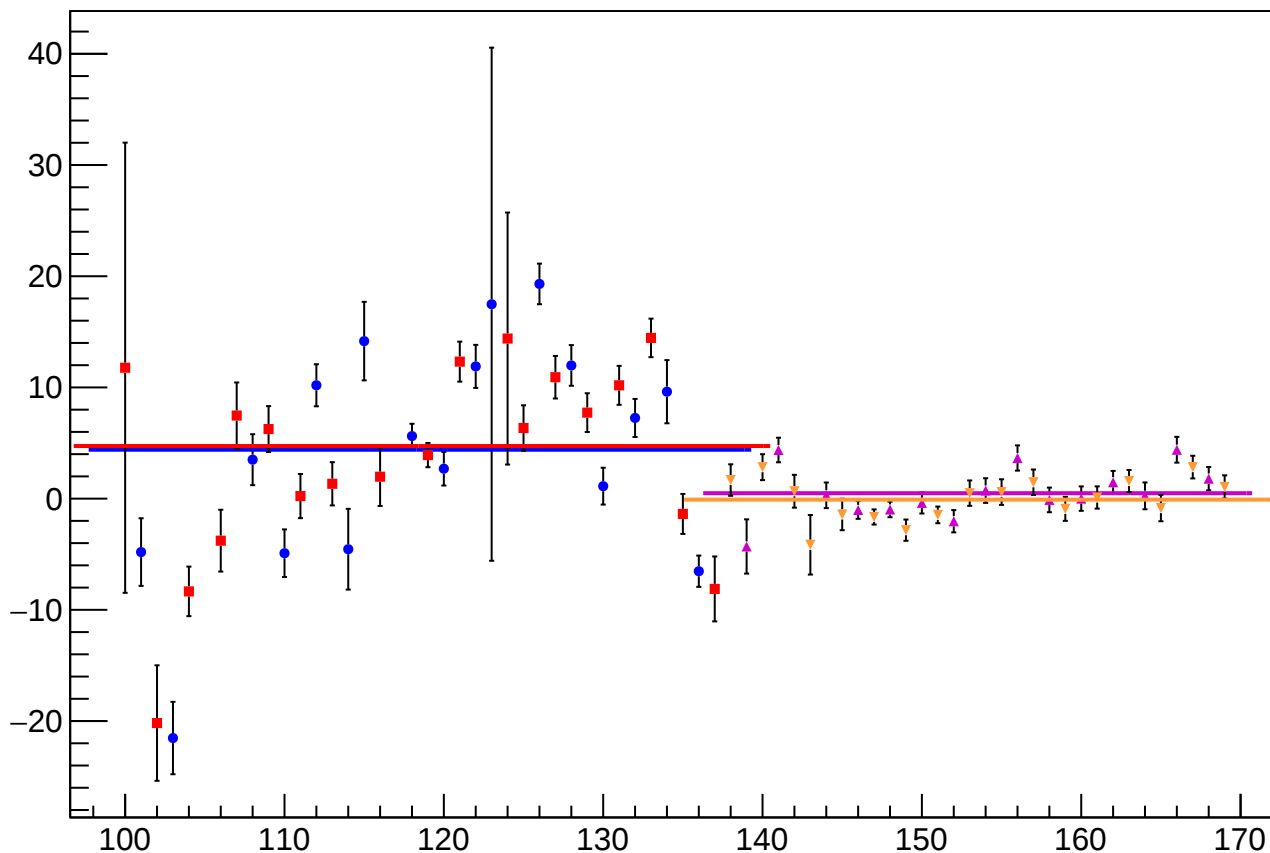
Left In: -13.374+/-0.370 χ^2/NDF : 226.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -13.008+/-0.259 χ^2/NDF : 1898.1/31

- 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: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: -0.090 ± 0.257 χ^2/NDF : 43.9/16

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

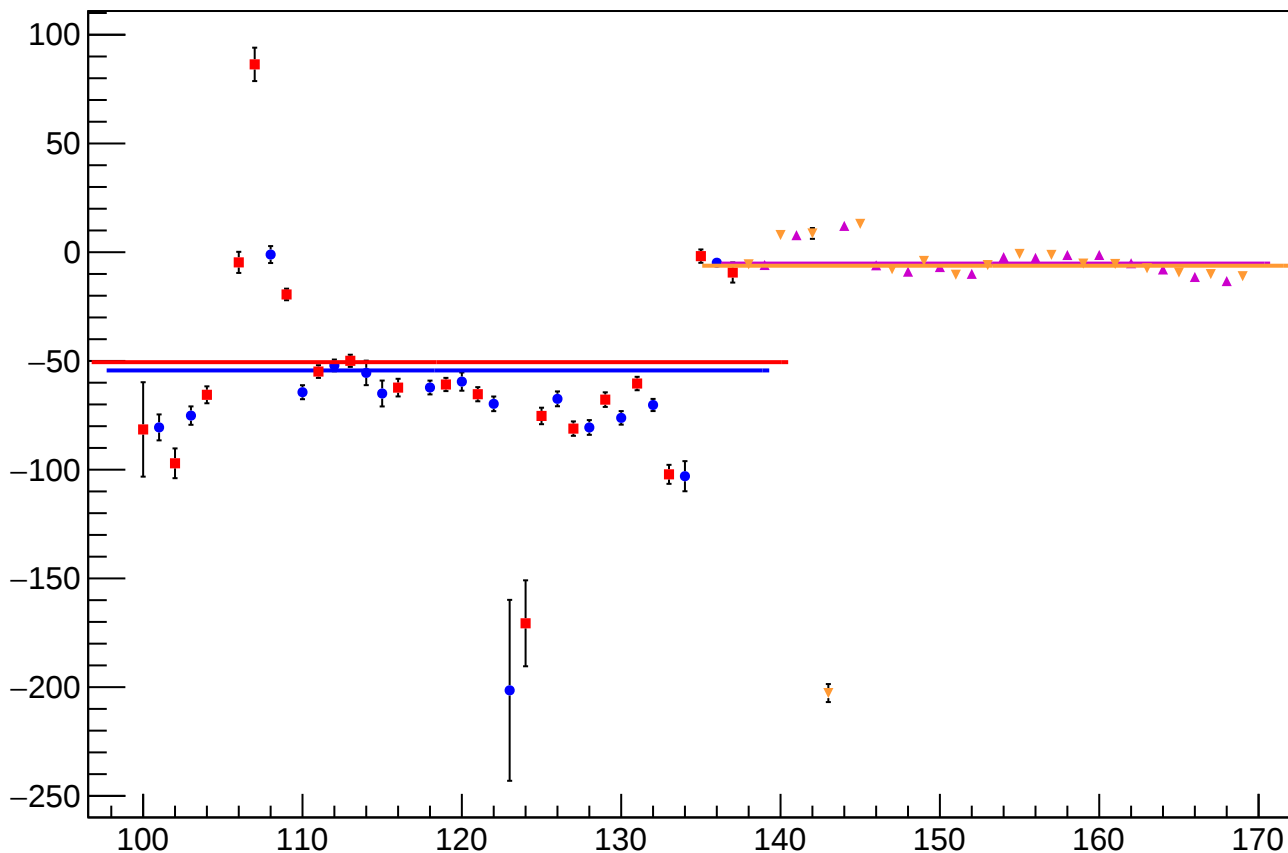
Left In: 0.490 ± 0.267 χ^2/NDF : 53.6/14

+ sign 0.941 ± 0.226 χ^2/NDF : 400.7/33

All: 1.220 ± 0.162 χ^2/NDF : 701.2/67

- sign 1.516 ± 0.233 χ^2/NDF : 297.4/33

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365+/-0.868 χ^2/NDF : 1013.5/16

Left Out: -6.208+/-0.357 χ^2/NDF : 2567.0/16

Right Out: -50.554+/-0.858 χ^2/NDF : 1321.3/18

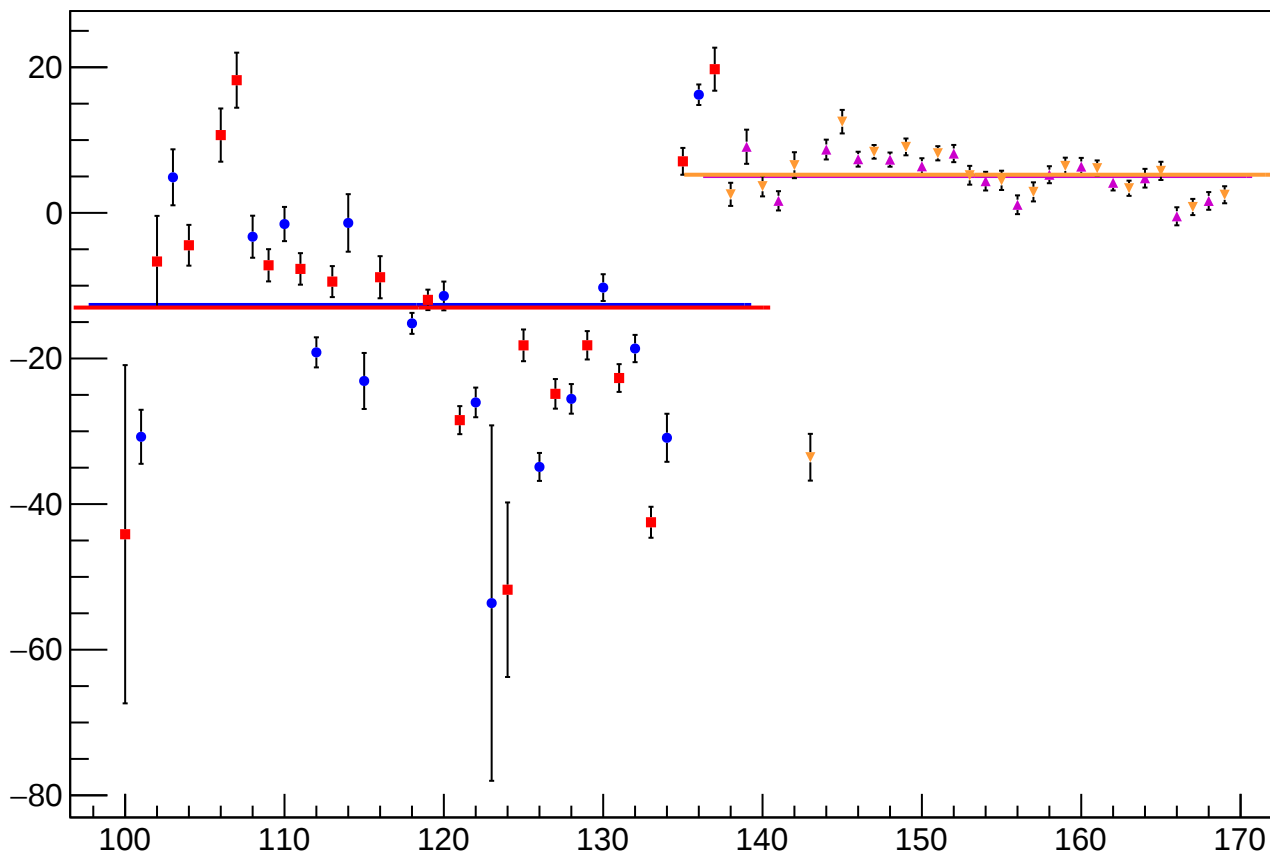
Left In: -5.229+/-0.361 χ^2/NDF : 277.0/14

+ sign -13.167+/-0.330 χ^2/NDF : 6212.3/33

All: -12.619+/-0.234 χ^2/NDF : 10188.7/67

- sign -12.062+/-0.333 χ^2/NDF : 3970.9/33

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 5.241 ± 0.300 χ^2/NDF : 232.5/16

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

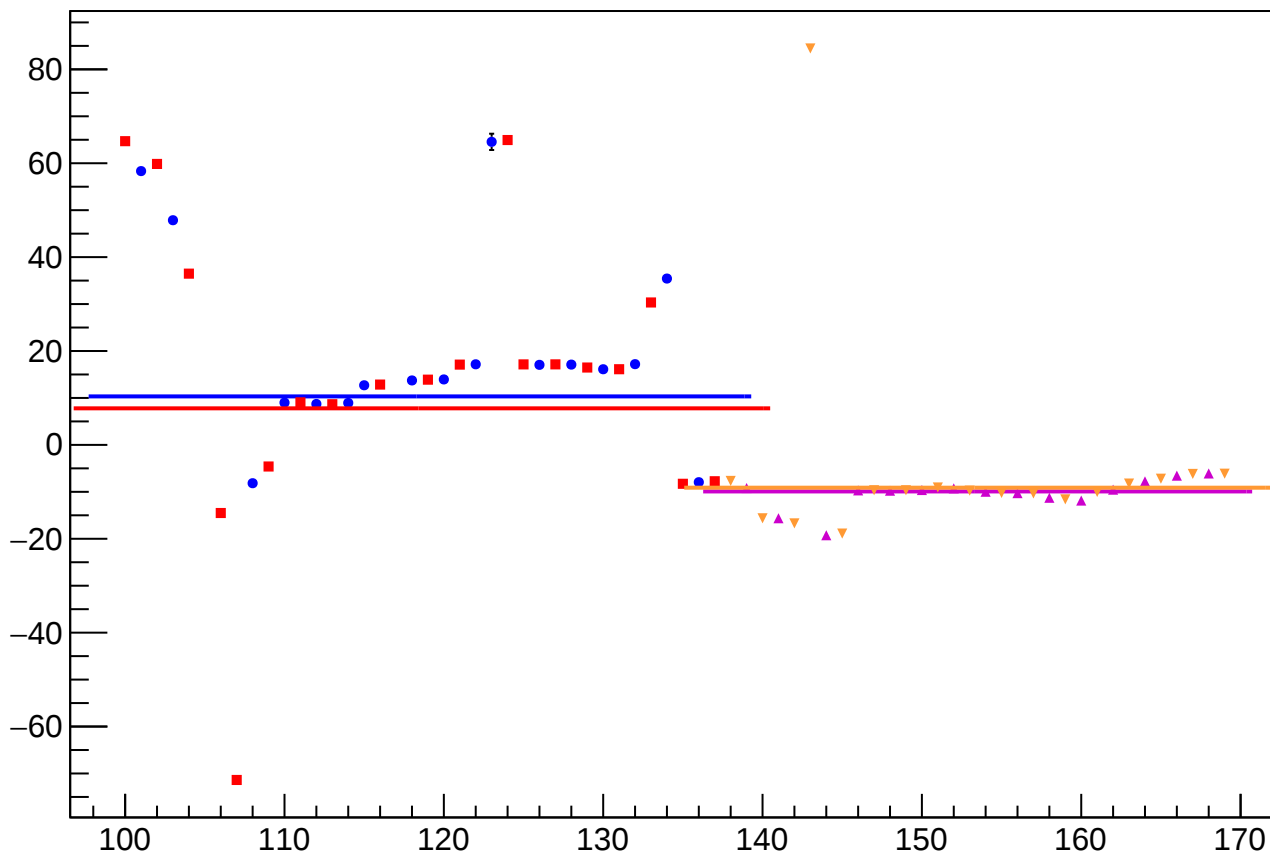
Left In: 5.059 ± 0.312 χ^2/NDF : 74.9/14

+ sign 0.985 ± 0.262 χ^2/NDF : 1868.9/33

All: 0.758 ± 0.188 χ^2/NDF : 3512.2/67

- sign 0.517 ± 0.270 χ^2/NDF : 1641.7/33

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330 ± 0.031 χ^2/NDF : 380857.1/16

Left Out: -9.119 ± 0.014 χ^2/NDF : 366764.8/16

Right Out: 7.786 ± 0.031 χ^2/NDF : 544119.7/18

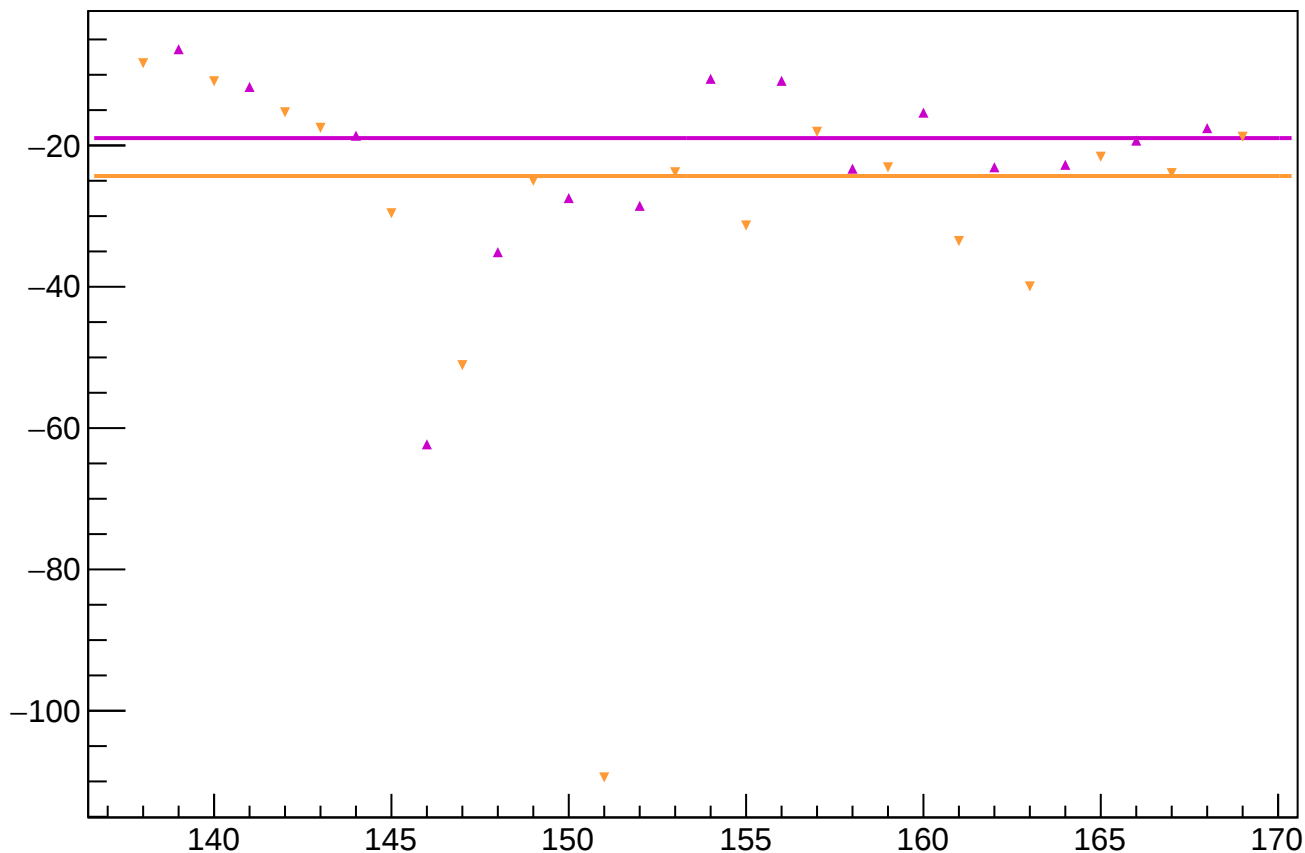
Left In: -9.917 ± 0.014 χ^2/NDF : 36569.9/14

+ sign -5.777 ± 0.013 χ^2/NDF : 1080525.3/33

All: -6.326 ± 0.009 χ^2/NDF : 1930182.7/67

- sign -6.894 ± 0.013 χ^2/NDF : 845869.1/33

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -24.328+/-0.058 χ^2/NDF : 57758.4/16

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

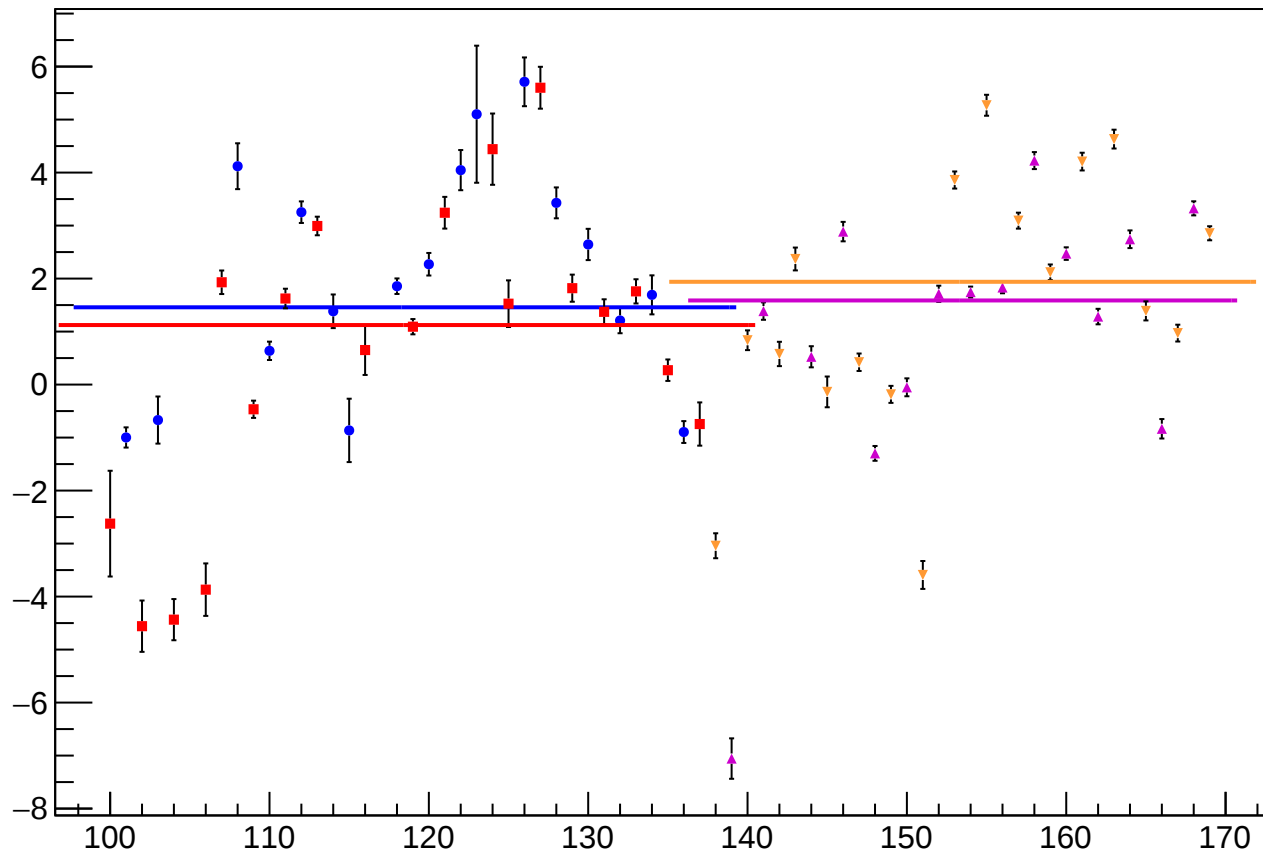
Left In: -18.960+/-0.052 χ^2/NDF : 37129.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.348+/-0.039 χ^2/NDF : 99574.6/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 $\pm$ 0.062 χ^2/NDF : 698.2/16

Left Out: 1.939 $\pm$ 0.043 χ^2/NDF : 2267.8/16

Right Out: 1.123 $\pm$ 0.058 χ^2/NDF : 947.4/18

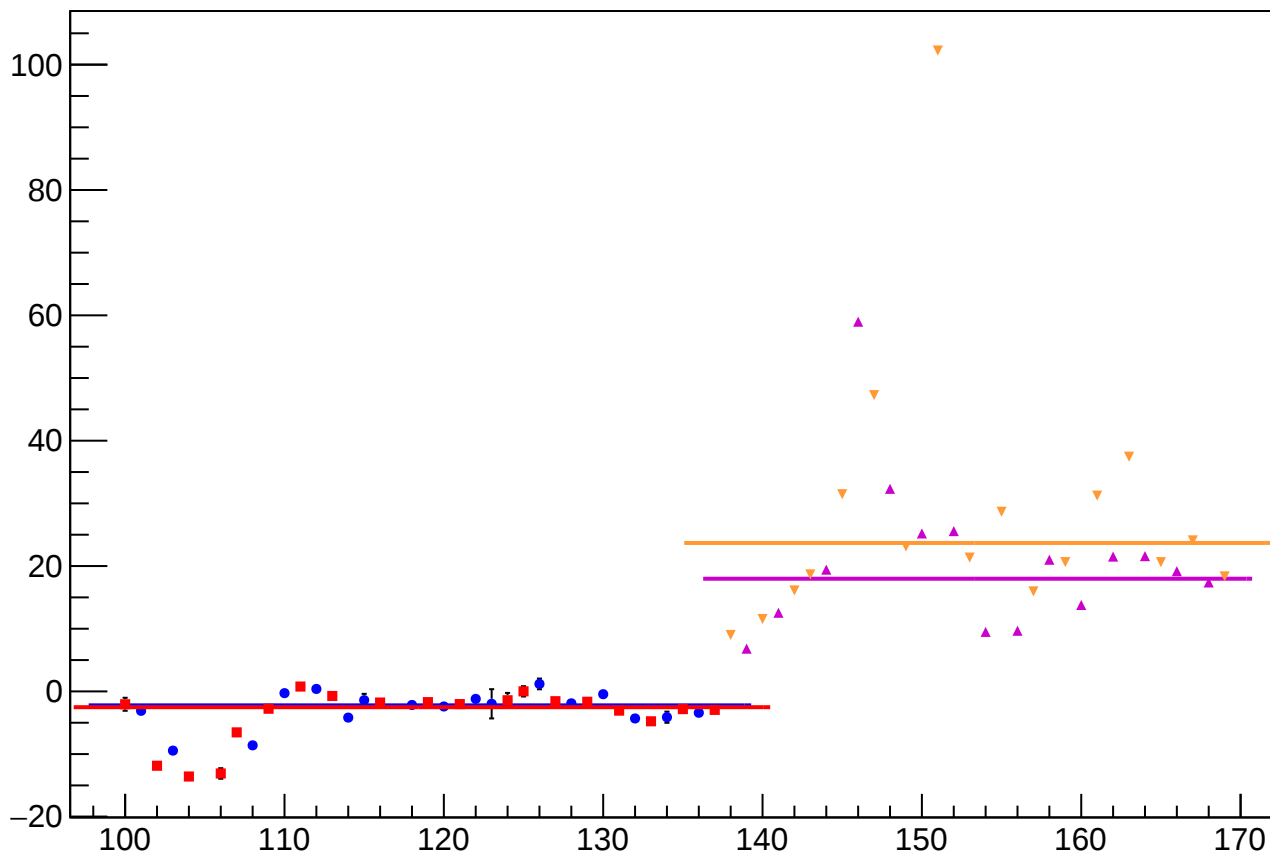
Left In: 1.587 $\pm$ 0.038 χ^2/NDF : 1846.0/14

+ sign 1.782 $\pm$ 0.035 χ^2/NDF : 3006.7/33

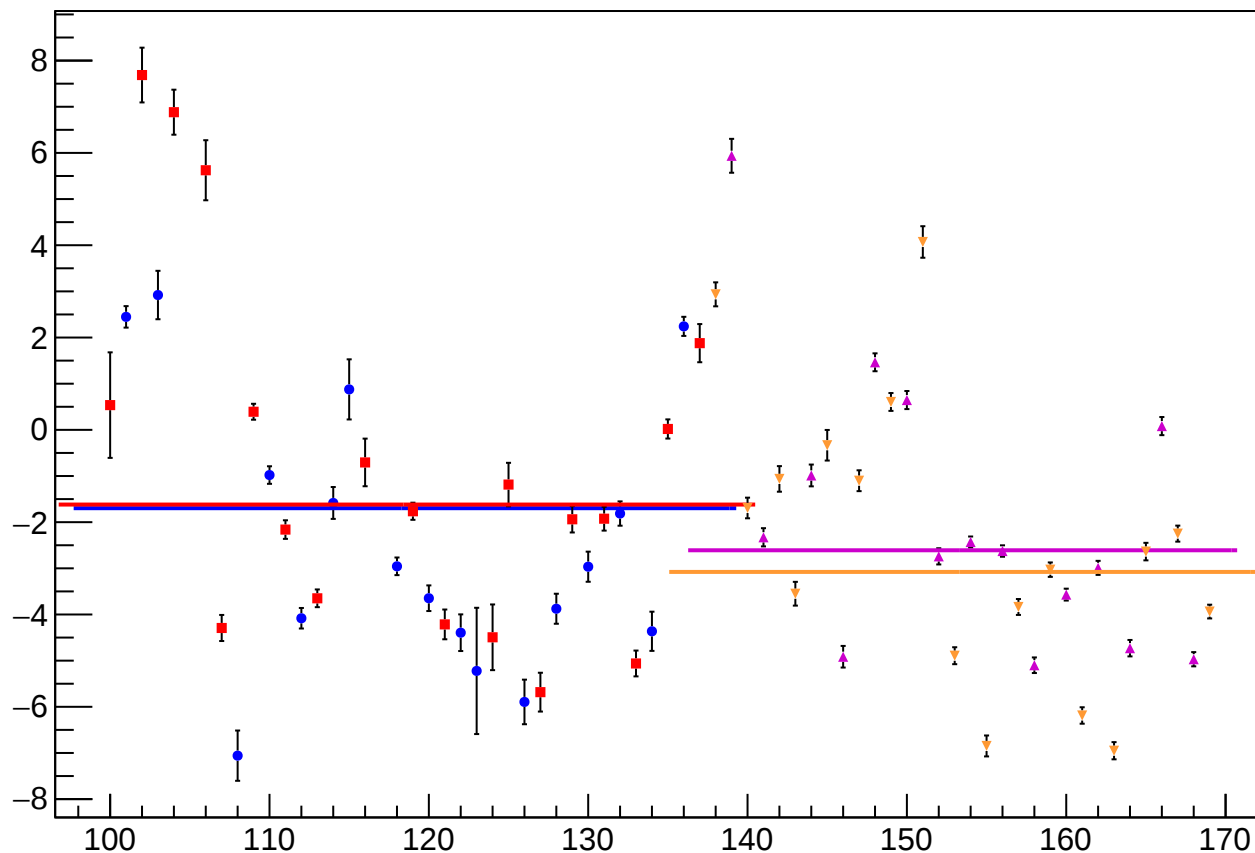
All: 1.598 $\pm$ 0.024 χ^2/NDF : 5894.1/67

- sign 1.447 $\pm$ 0.032 χ^2/NDF : 2837.9/33

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697+/-0.071 χ^2/NDF : 1319.4/16

Left Out: -3.078+/-0.049 χ^2/NDF : 2767.8/16

Right Out: -1.618+/-0.066 χ^2/NDF : 1489.2/18

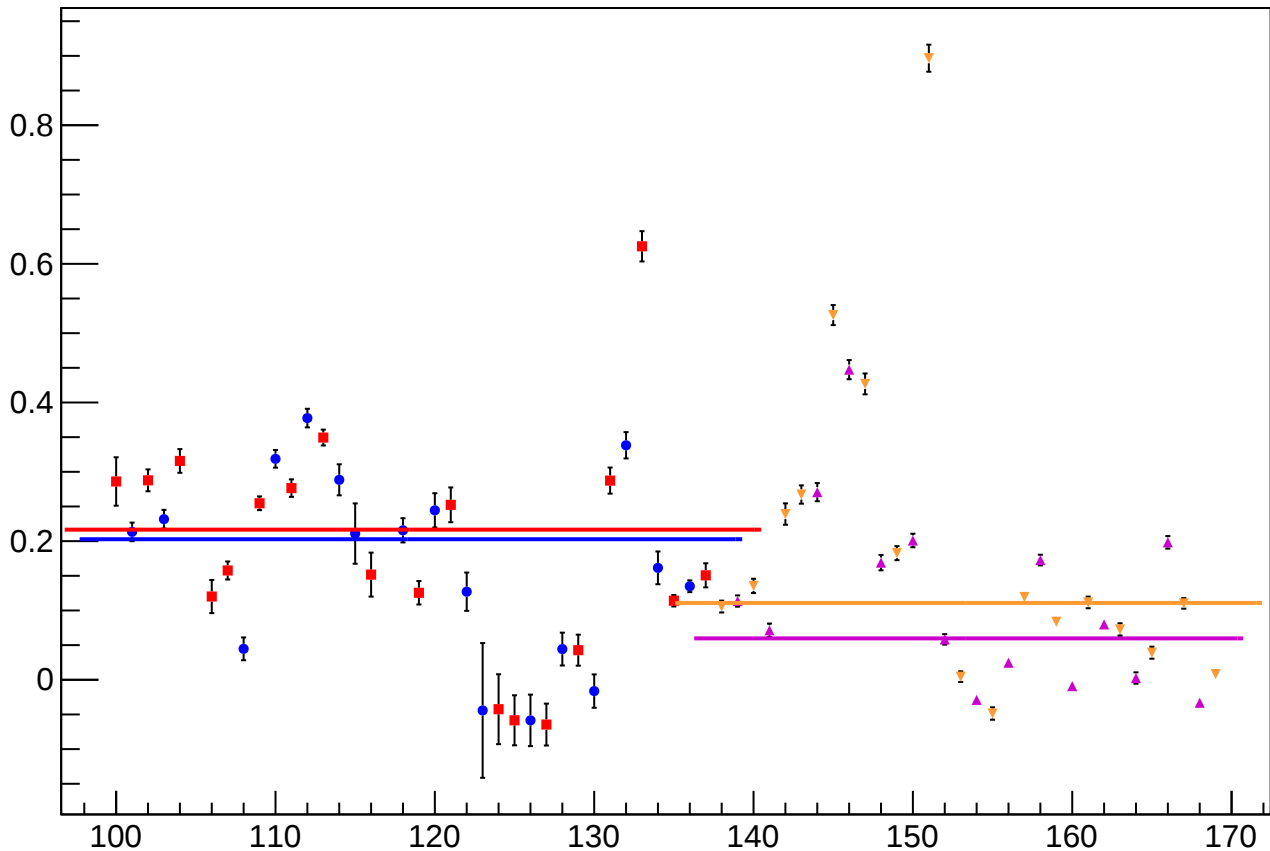
Left In: -2.609+/-0.044 χ^2/NDF : 2251.8/14

+ sign -2.633+/-0.040 χ^2/NDF : 4343.0/33

All: -2.453+/-0.027 χ^2/NDF : 8278.4/67

- sign -2.307+/-0.036 χ^2/NDF : 3899.1/33

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 $\pm$ 0.004 χ^2/NDF : 676.5/16

Left Out: 0.111 $\pm$ 0.002 χ^2/NDF : 3989.3/16

Right Out: 0.217 $\pm$ 0.004 χ^2/NDF : 1064.4/18

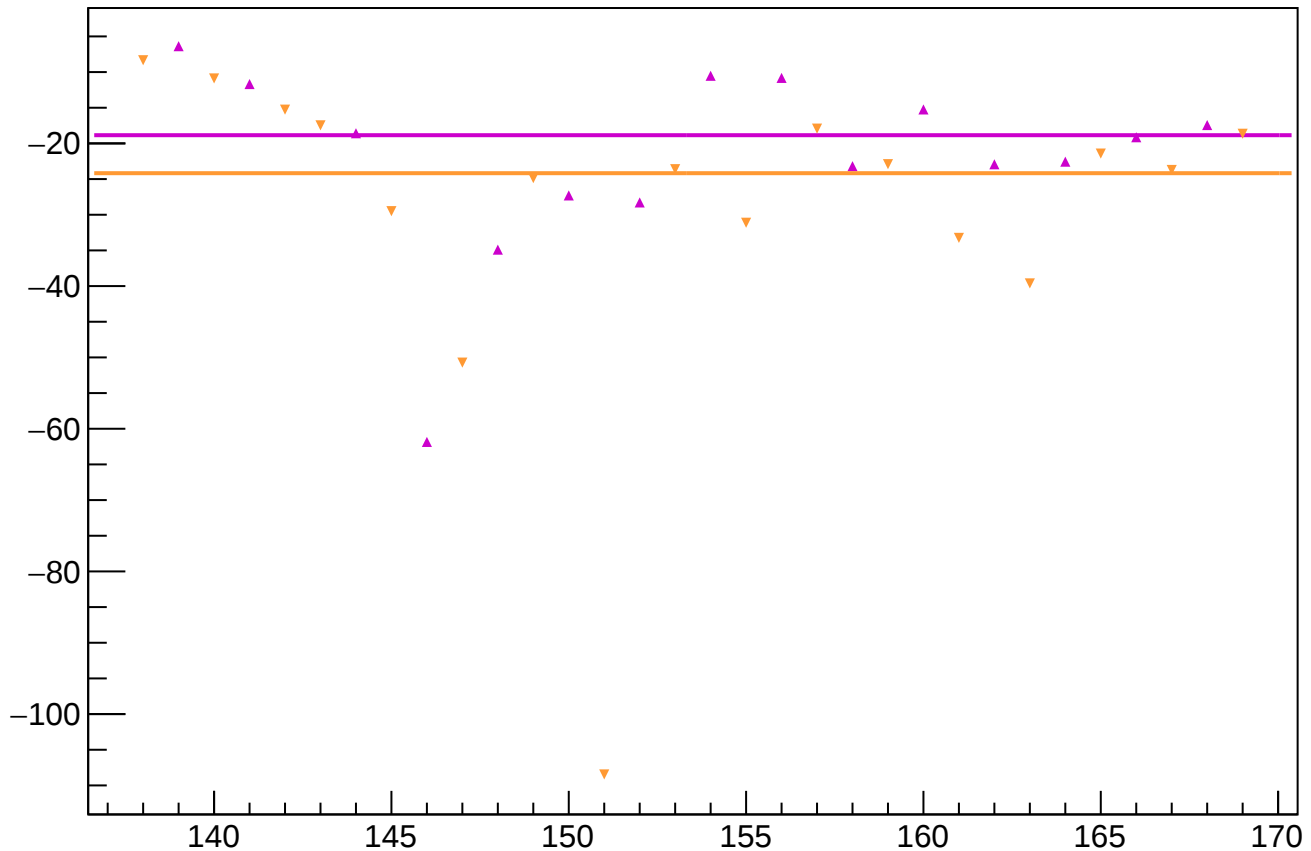
Left In: 0.060 $\pm$ 0.002 χ^2/NDF : 2650.5/14

+ sign 0.131 $\pm$ 0.002 χ^2/NDF : 5047.8/33

All: 0.109 $\pm$ 0.001 χ^2/NDF : 10411.6/67

- sign 0.092 $\pm$ 0.002 χ^2/NDF : 5138.5/33

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -24.174+/-0.058 χ^2/NDF : 57578.6/16

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

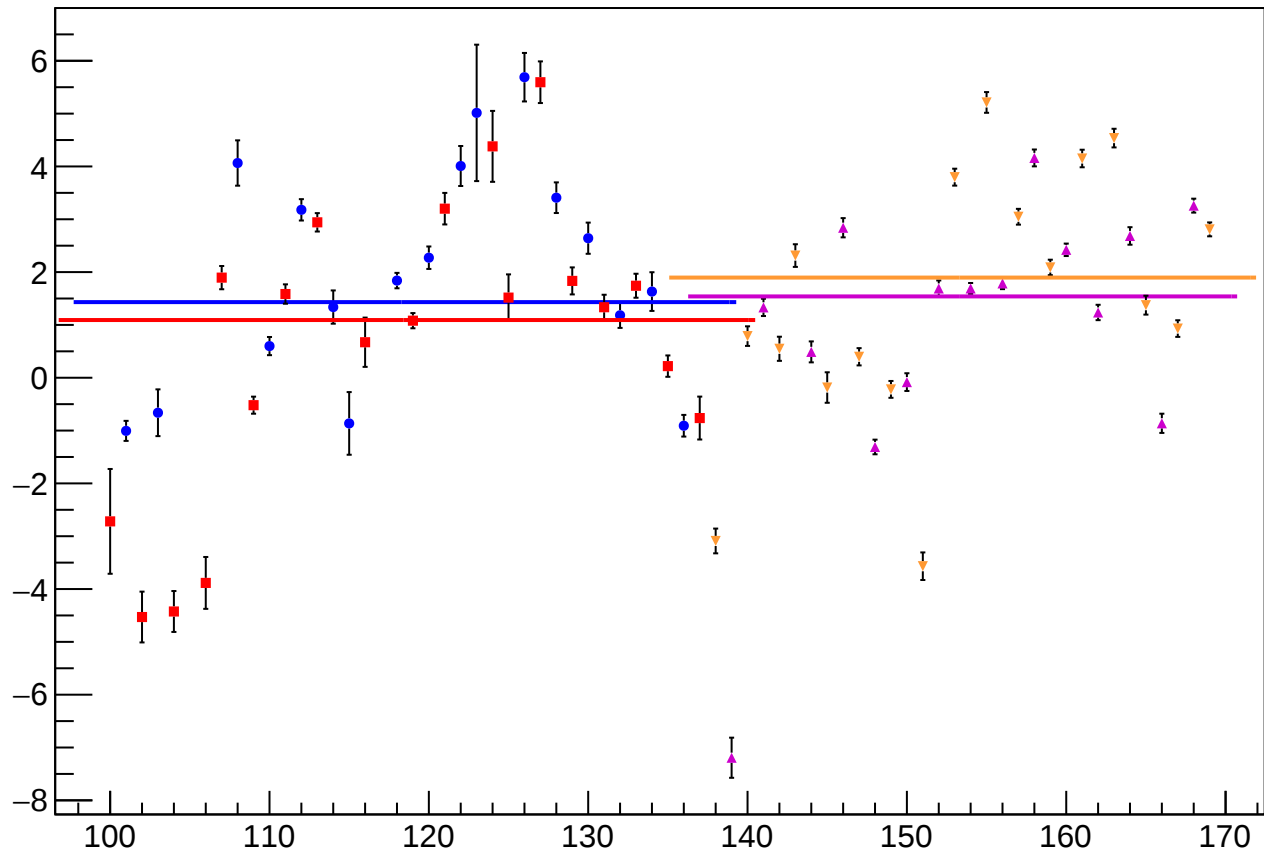
Left In: -18.849+/-0.052 χ^2/NDF : 37041.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.218+/-0.039 χ^2/NDF : 99291.3/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 $\pm$ 0.062 χ^2/NDF : 696.6/16

Left Out: 1.896 $\pm$ 0.043 χ^2/NDF :2267.2/16

Right Out: 1.092 $\pm$ 0.058 χ^2/NDF : 953.2/18

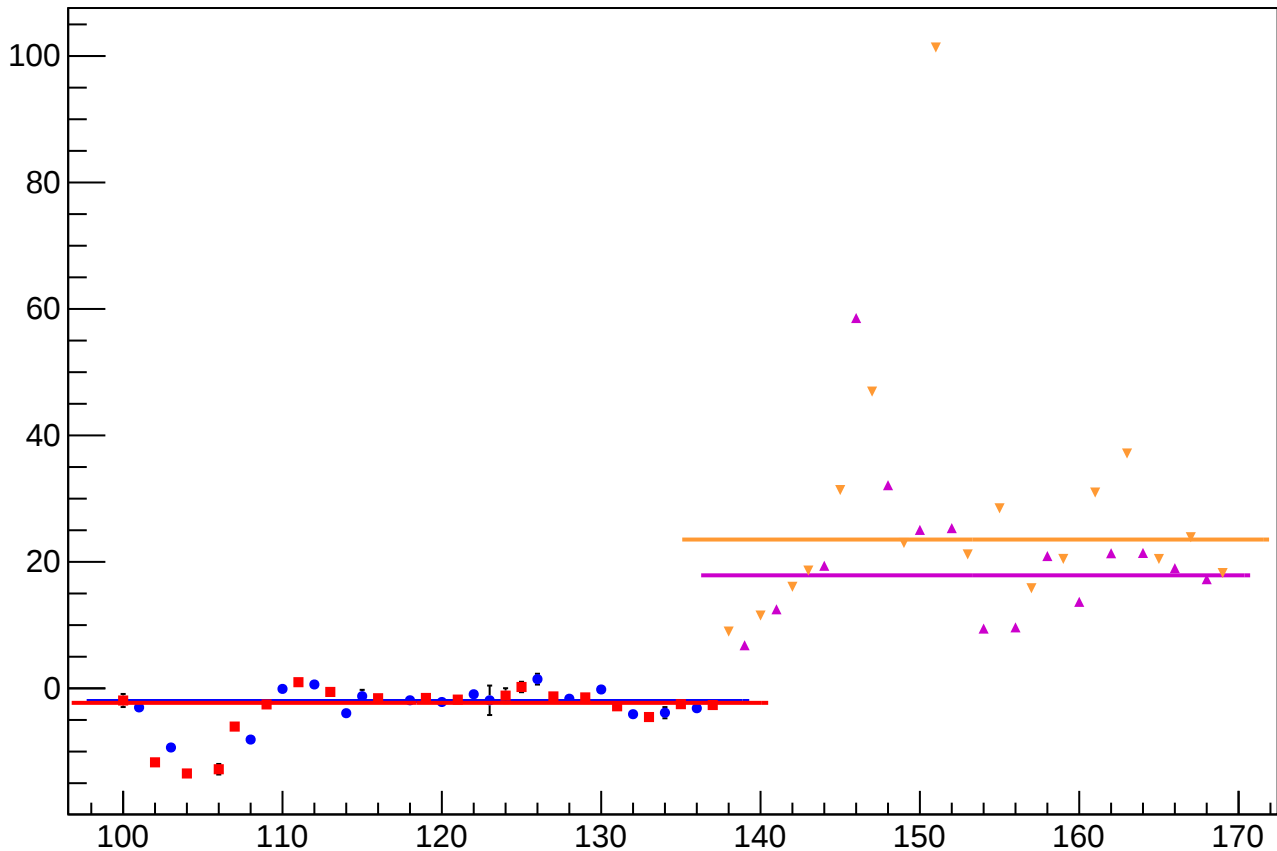
Left In: 1.540 $\pm$ 0.038 χ^2/NDF :1855.0/14

+ sign 1.745 $\pm$ 0.035 χ^2/NDF : 3002.1/33

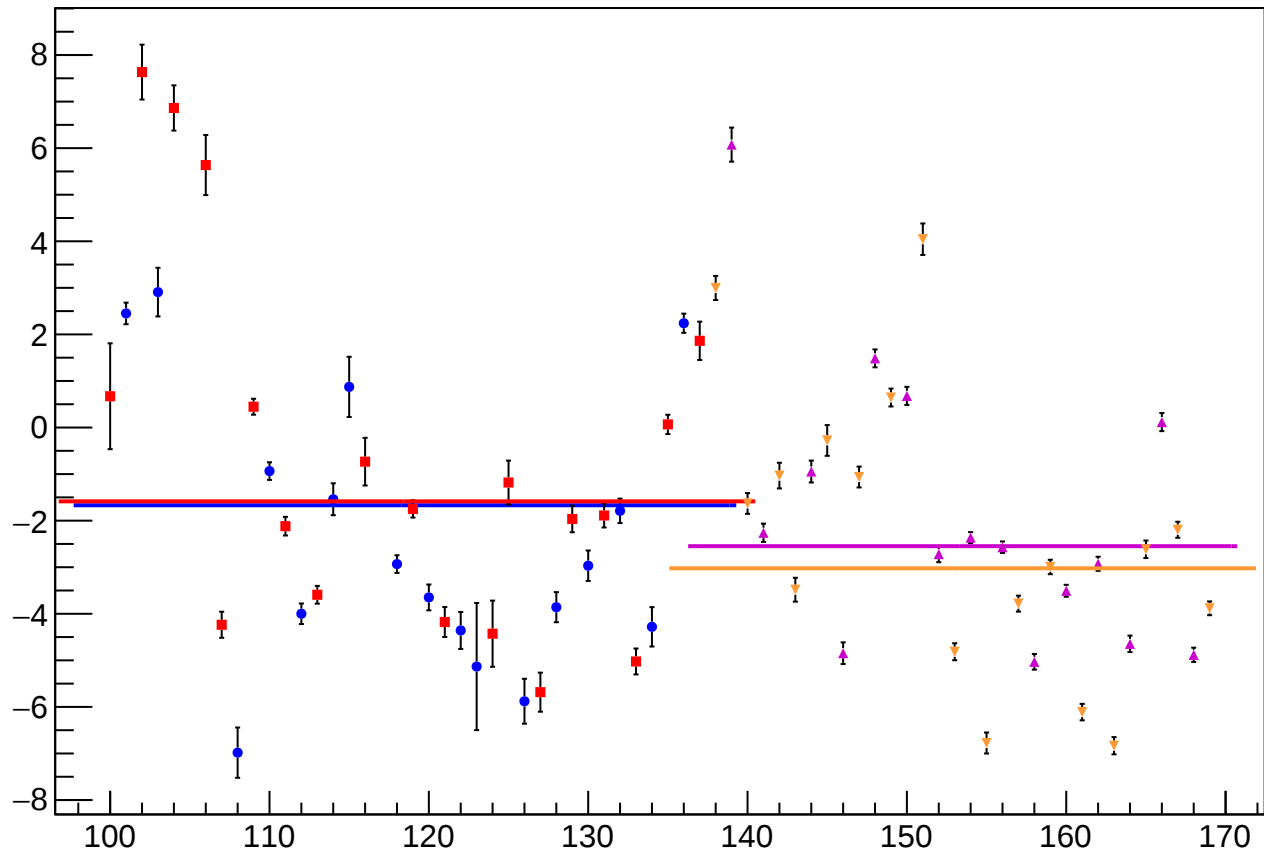
All: 1.558 $\pm$ 0.024 χ^2/NDF : 5903.7/67

- sign 1.405 $\pm$ 0.032 χ^2/NDF : 2849.9/33

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 $\pm$ 0.071 χ^2/NDF : 1314.9/16

Left Out: -3.023 $\pm$ 0.049 χ^2/NDF : 2766.0/16

Right Out: -1.585 $\pm$ 0.065 χ^2/NDF : 1494.7/18

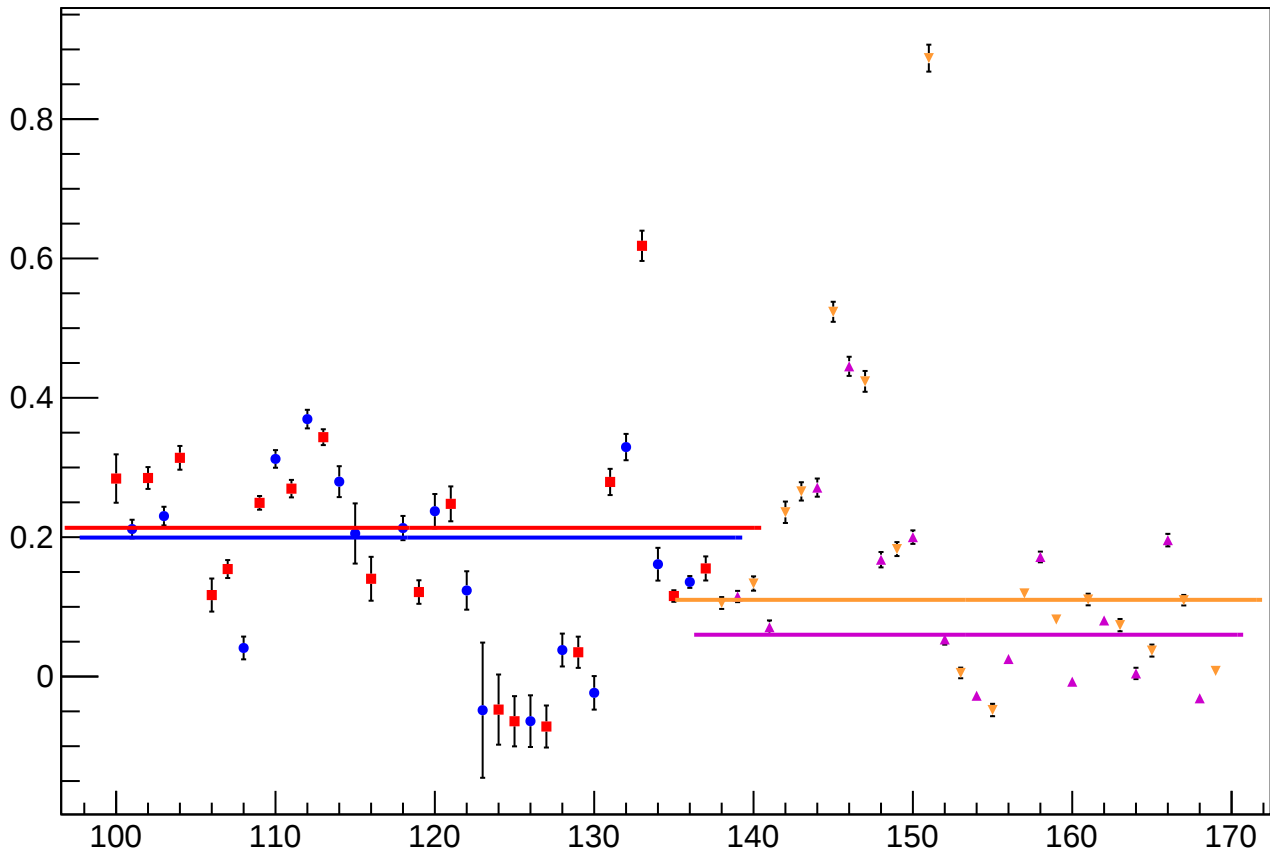
Left In: -2.548 $\pm$ 0.043 χ^2/NDF : 2261.5/14

+ sign -2.589 $\pm$ 0.040 χ^2/NDF : 4329.5/33

All: -2.404 $\pm$ 0.027 χ^2/NDF : 8274.9/67

- sign -2.255 $\pm$ 0.036 χ^2/NDF : 3907.2/33

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.110 ± 0.002 χ^2/NDF : 3984.3/16

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

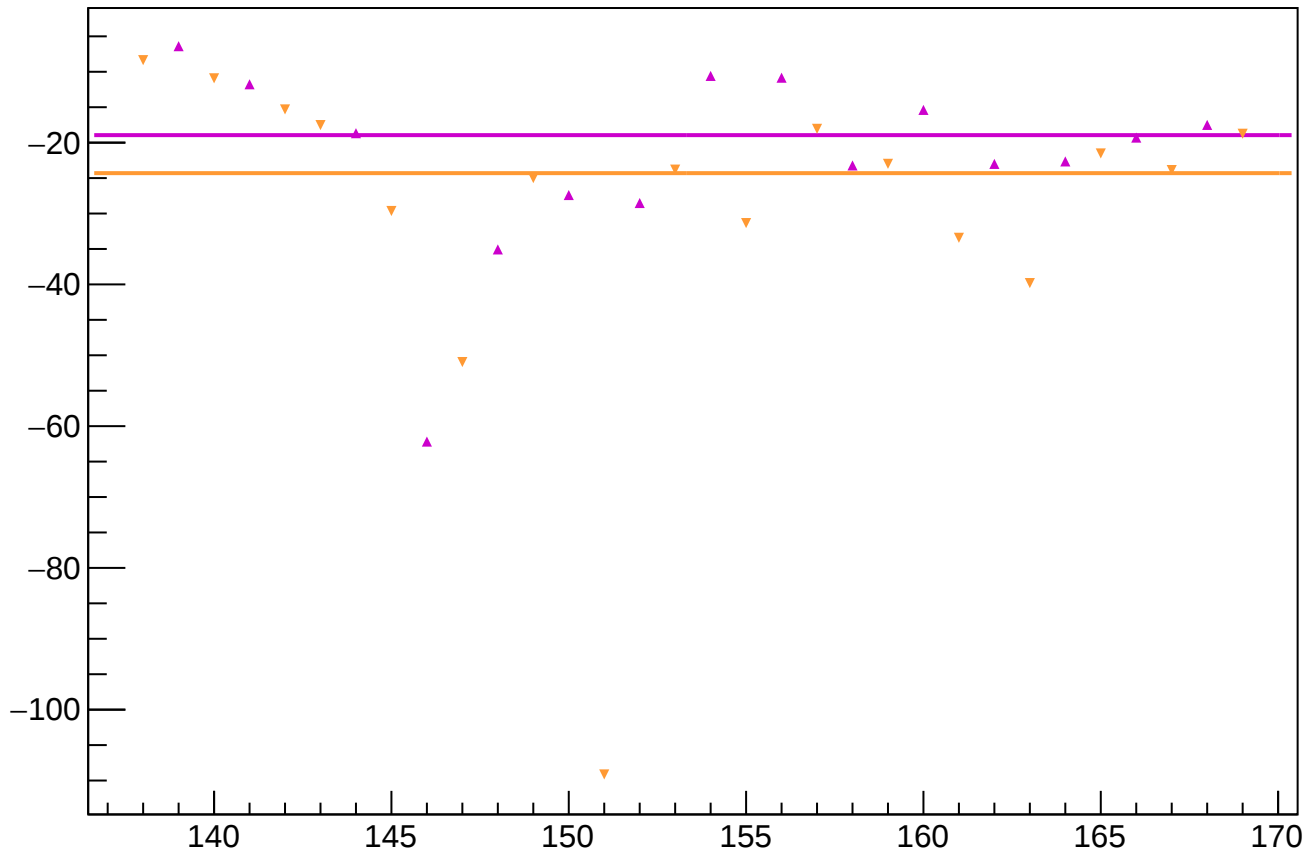
Left In: 0.060 ± 0.002 χ^2/NDF : 2632.1/14

+ sign 0.130 ± 0.002 χ^2/NDF : 5011.3/33

All: 0.108 ± 0.001 χ^2/NDF : 10286.3/67

- sign 0.092 ± 0.002 χ^2/NDF : 5057.2/33

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -24.302+/-0.058 χ^2/NDF : 57707.9/16

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

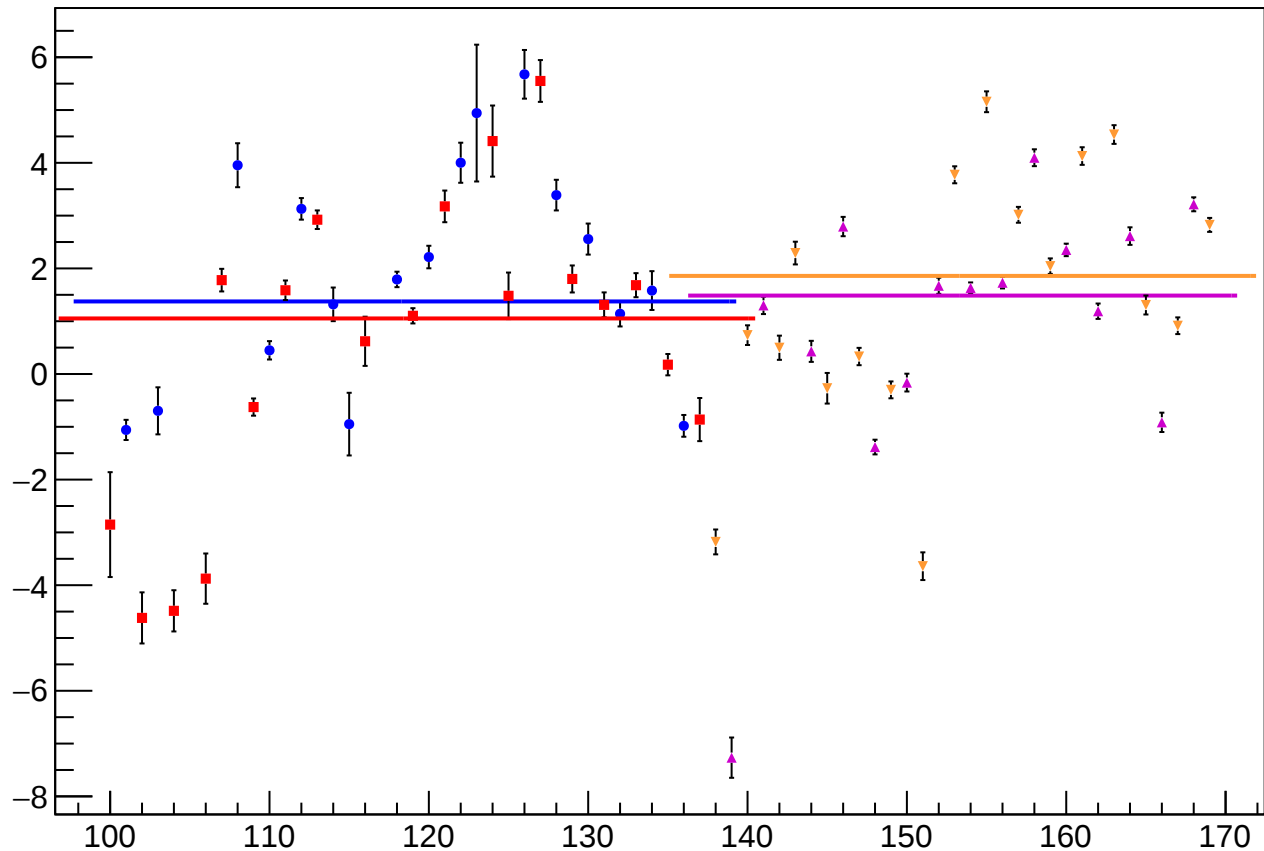
Left In: -18.939+/-0.052 χ^2/NDF : 37110.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

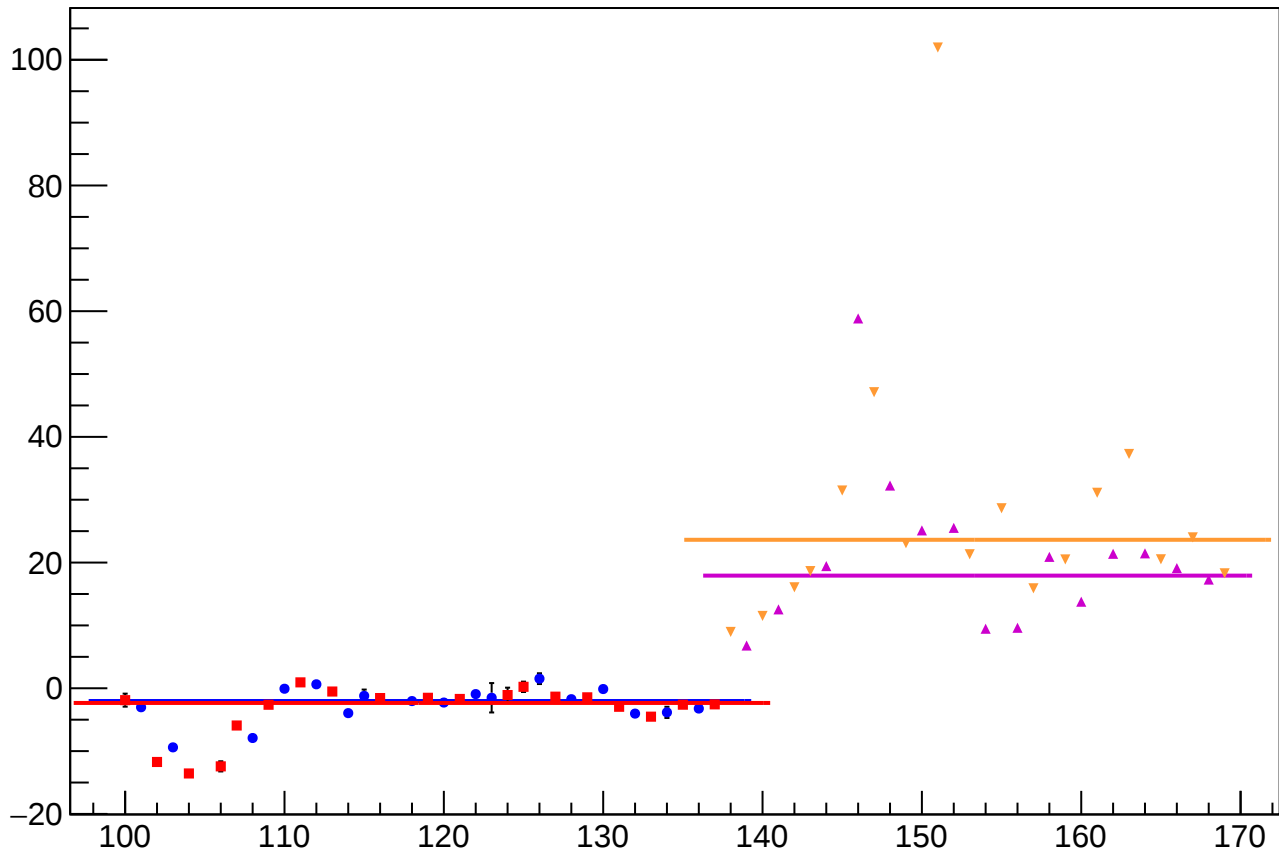
All: -21.324+/-0.039 χ^2/NDF : 99516.4/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

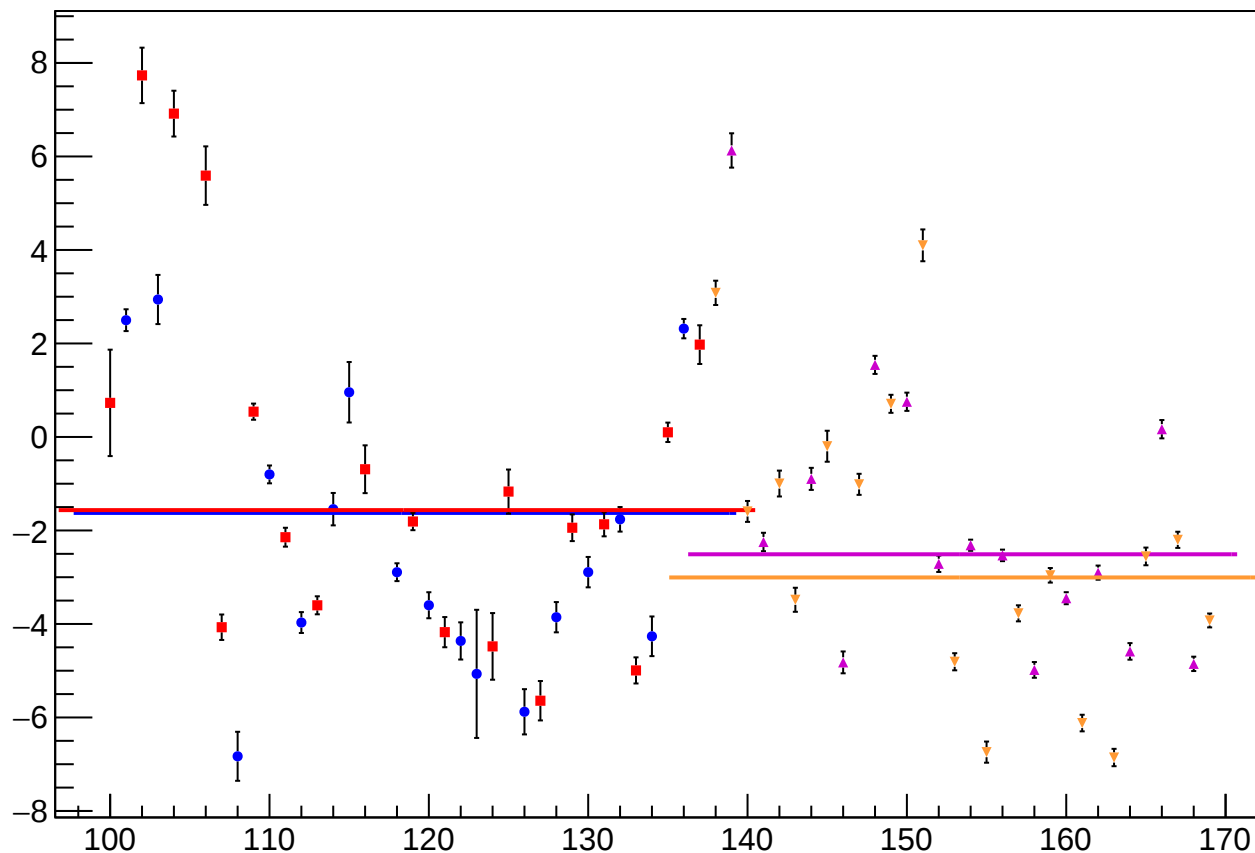
reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 $\pm$ 0.071 χ^2/NDF : 1320.8/16

Left Out: -3.005 $\pm$ 0.049 χ^2/NDF : 2794.8/16

Right Out: -1.565 $\pm$ 0.066 χ^2/NDF : 1505.8/18

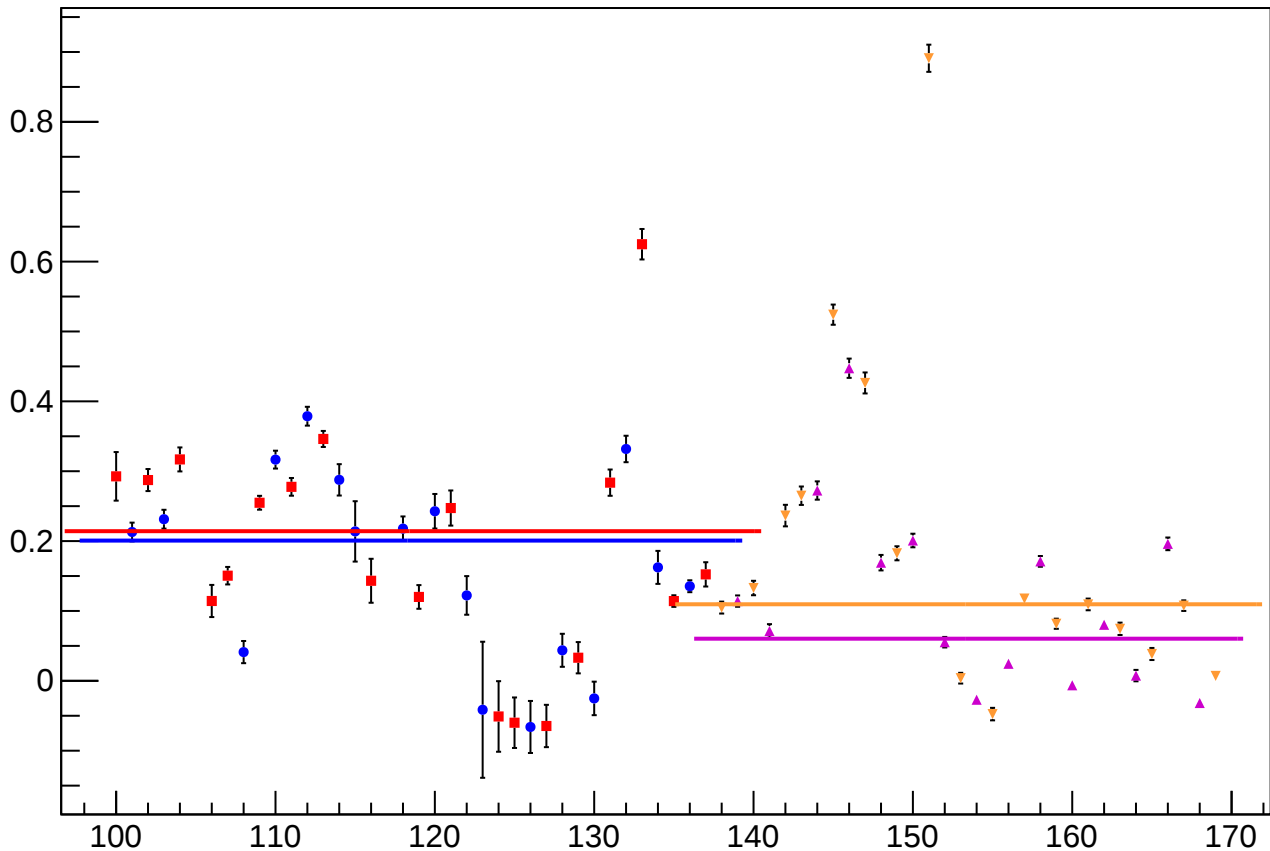
Left In: -2.510 $\pm$ 0.043 χ^2/NDF : 2255.0/14

+ sign -2.563 $\pm$ 0.040 χ^2/NDF : 4371.6/33

All: -2.374 $\pm$ 0.027 χ^2/NDF : 8316.2/67

- sign -2.222 $\pm$ 0.036 χ^2/NDF : 3905.0/33

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.110 ± 0.002 χ^2/NDF : 3973.2/16

Right Out: 0.214 ± 0.004 χ^2/NDF : 1080.4/18

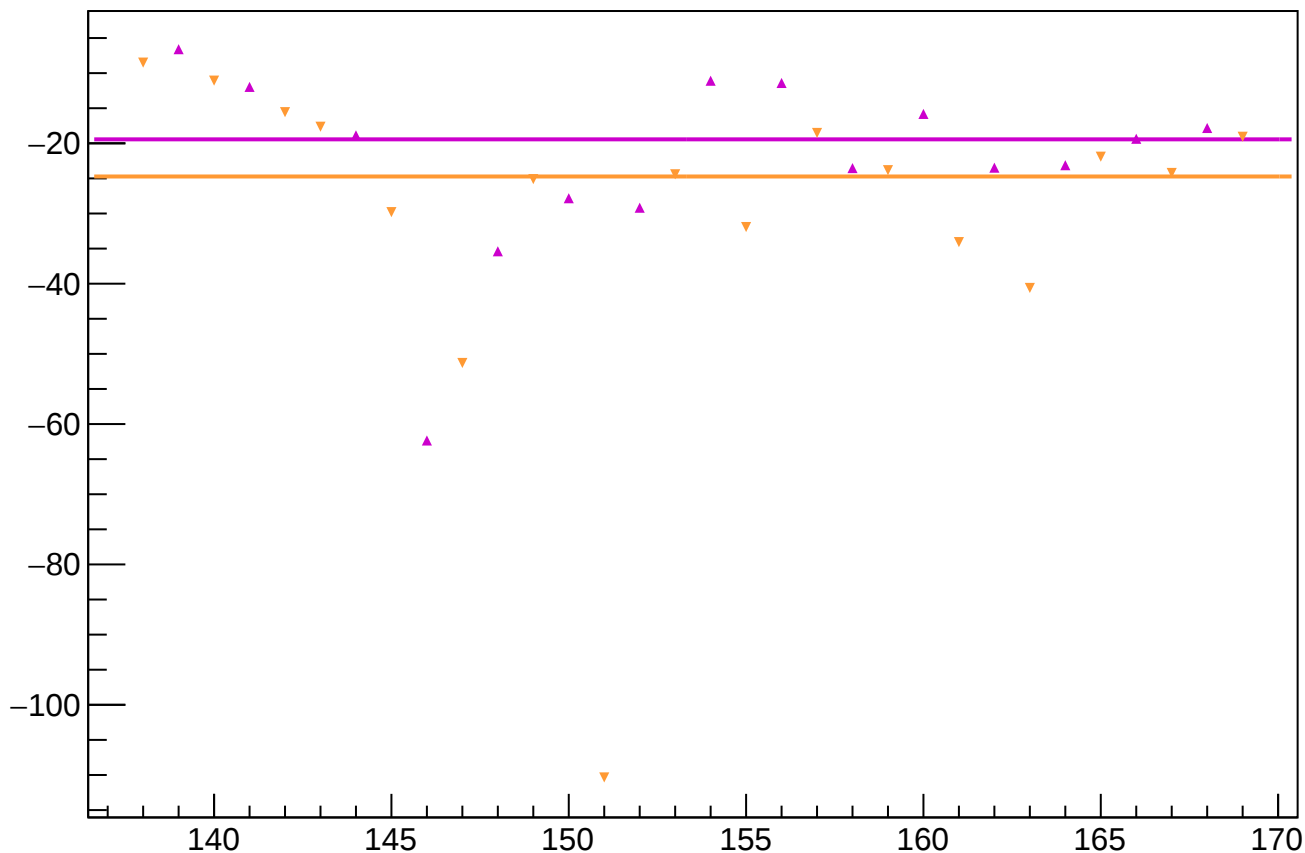
Left In: 0.060 ± 0.002 χ^2/NDF : 2617.5/14

+ sign 0.130 ± 0.002 χ^2/NDF : 5040.7/33

All: 0.108 ± 0.001 χ^2/NDF : 10326.8/67

- sign 0.092 ± 0.002 χ^2/NDF : 5076.5/33

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -24.727+/-0.059 χ^2/NDF : 57615.0/16

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

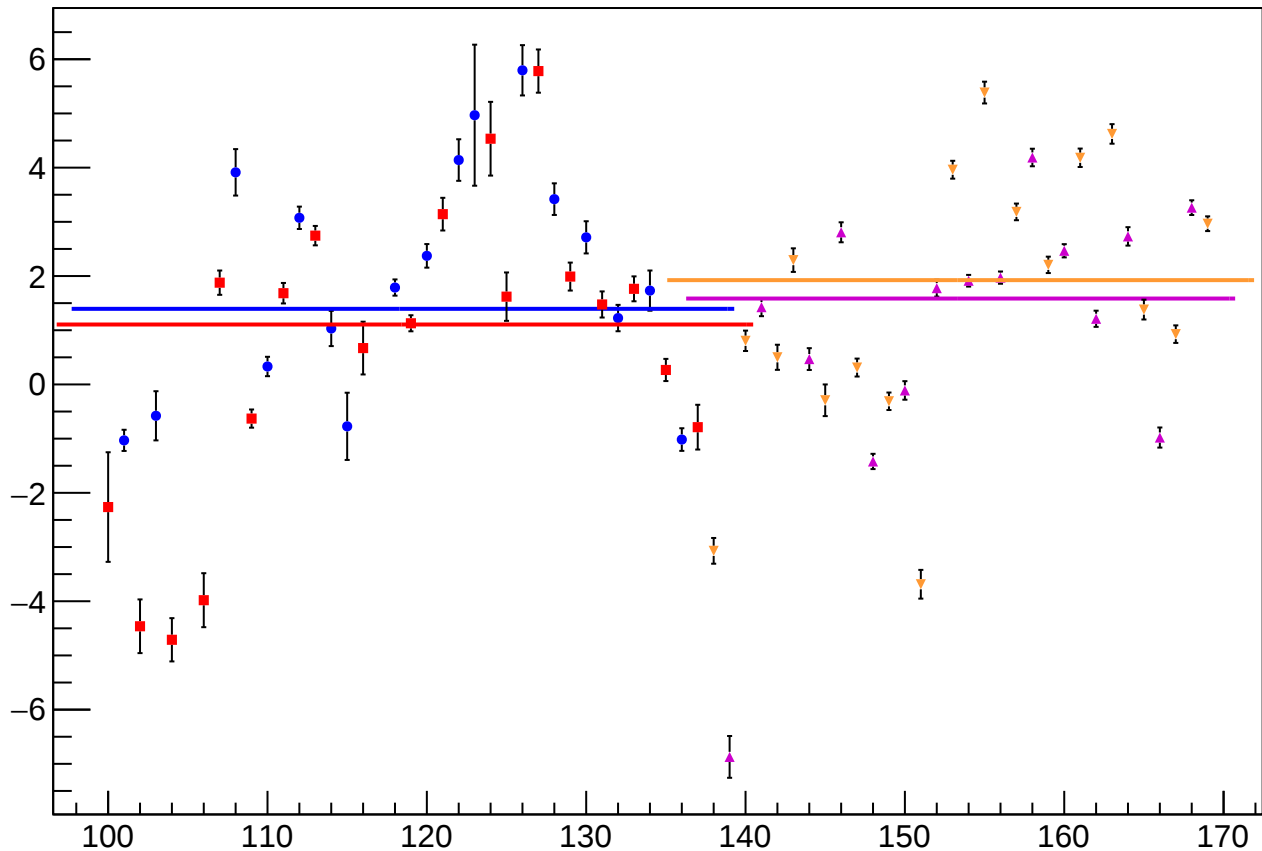
Left In: -19.435+/-0.053 χ^2/NDF : 35976.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.802+/-0.040 χ^2/NDF : 97979.2/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 ± 0.063 χ^2/NDF : 701.4/16

Left Out: 1.924 ± 0.044 χ^2/NDF : 2336.0/16

Right Out: 1.106 ± 0.059 χ^2/NDF : 937.0/18

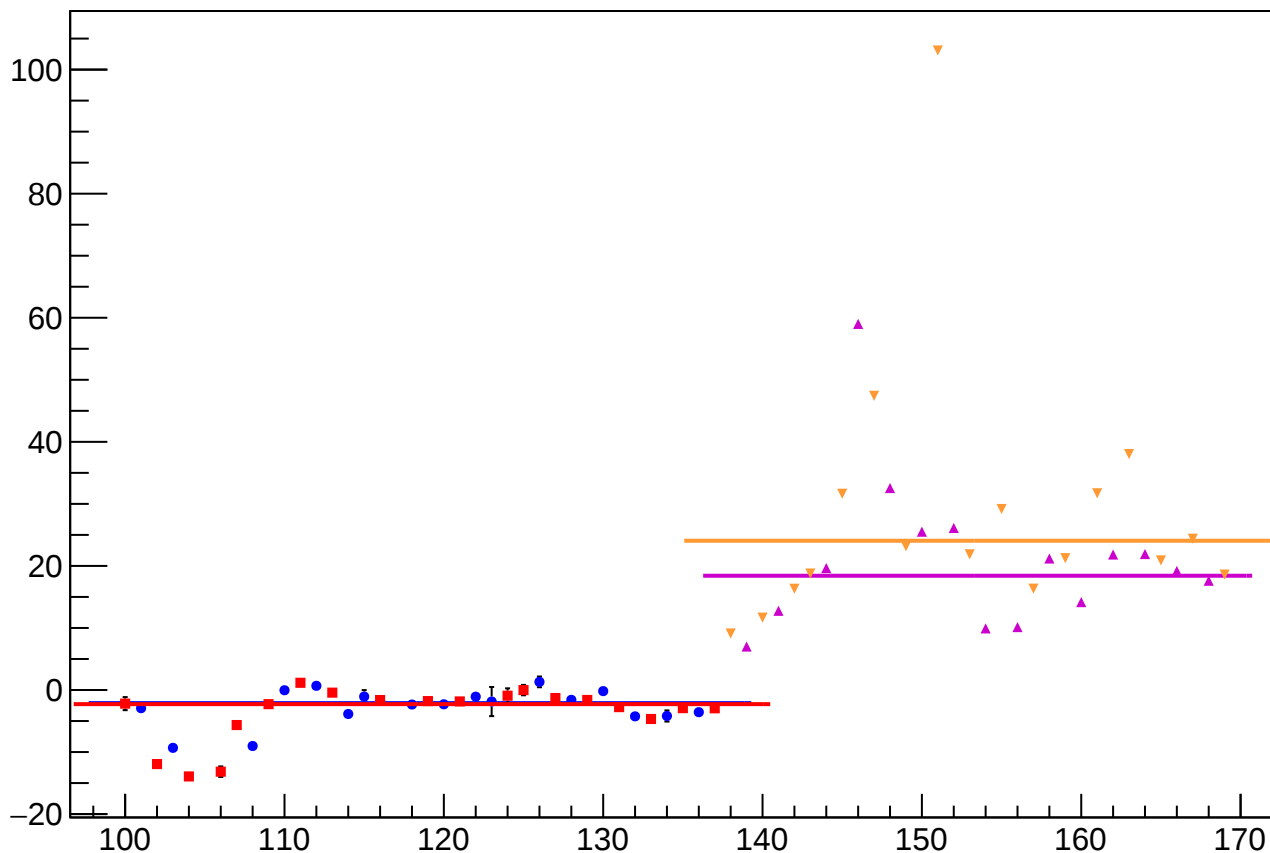
Left In: 1.585 ± 0.039 χ^2/NDF : 1839.5/14

+ sign 1.752 ± 0.036 χ^2/NDF : 3085.0/33

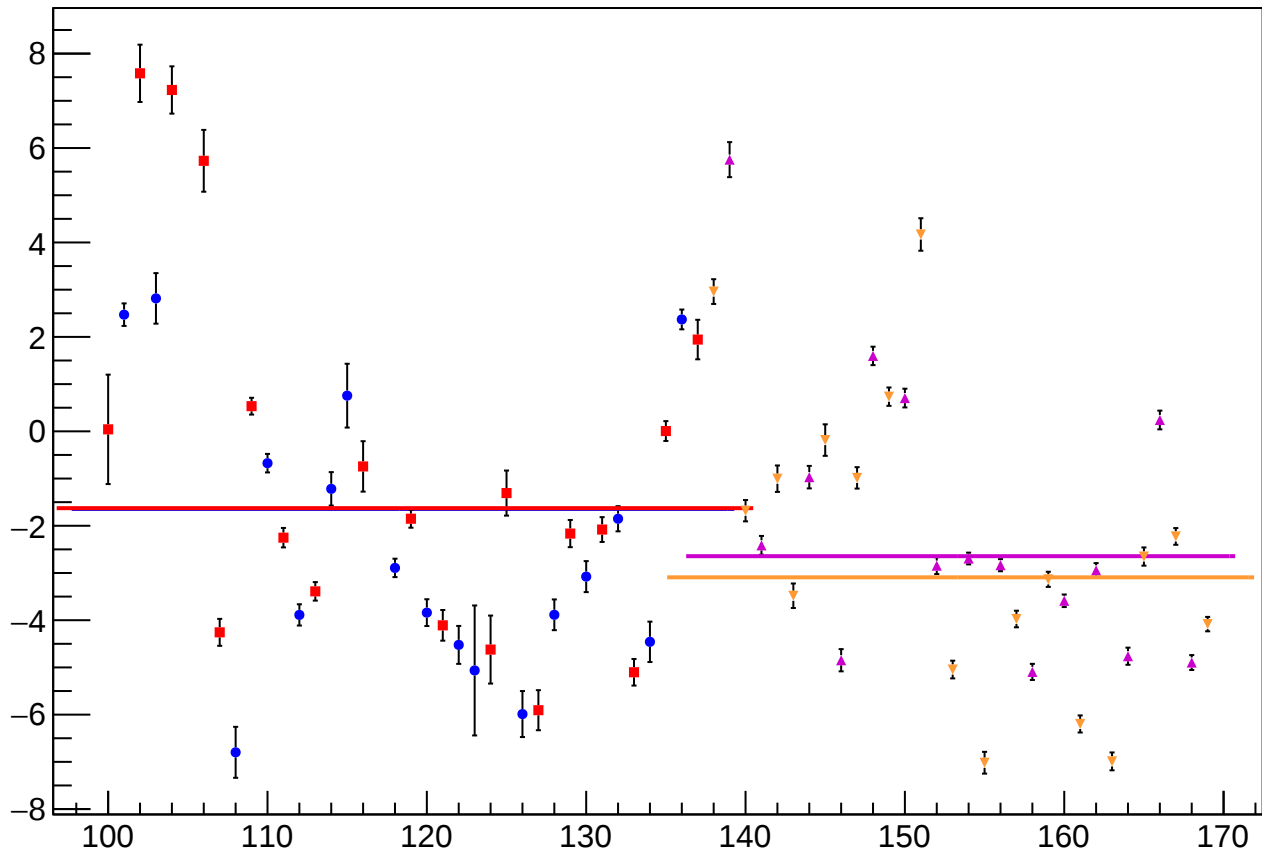
All: 1.581 ± 0.024 χ^2/NDF : 5948.5/67

- sign 1.439 ± 0.033 χ^2/NDF : 2822.0/33

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643±/0.072 χ^2/NDF : 1310.1/16

Left Out: -3.092±/0.050 χ^2/NDF : 2838.6/16

Right Out: -1.627±/0.067 χ^2/NDF : 1468.1/18

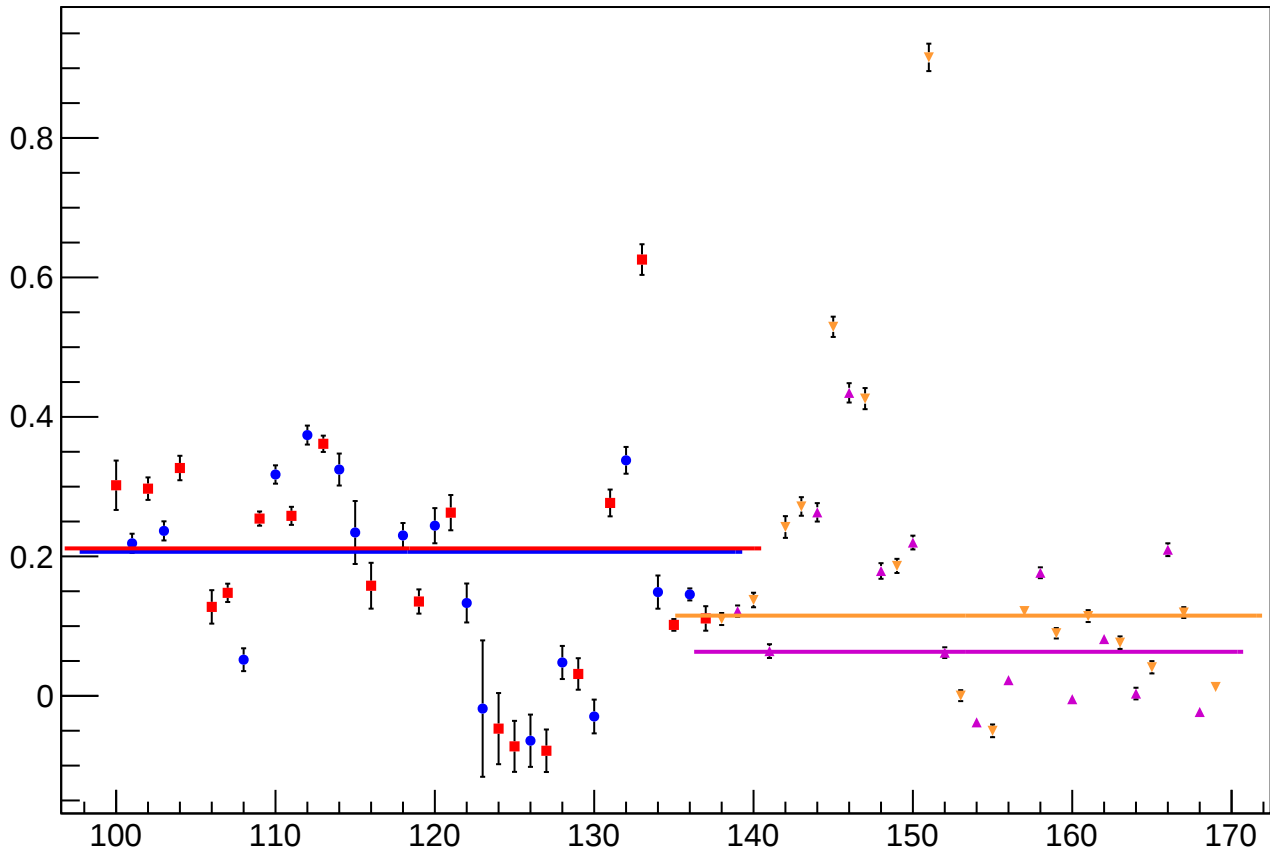
Left In: -2.644±/0.044 χ^2/NDF : 2223.9/14

+ sign -2.627±/0.041 χ^2/NDF : 4420.8/33

All: -2.465±/0.027 χ^2/NDF : 8301.3/67

- sign -2.333±/0.037 χ^2/NDF : 3852.1/33

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16

Left Out: 0.115 $\pm$ 0.002 χ^2/NDF : 4006.1/16

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

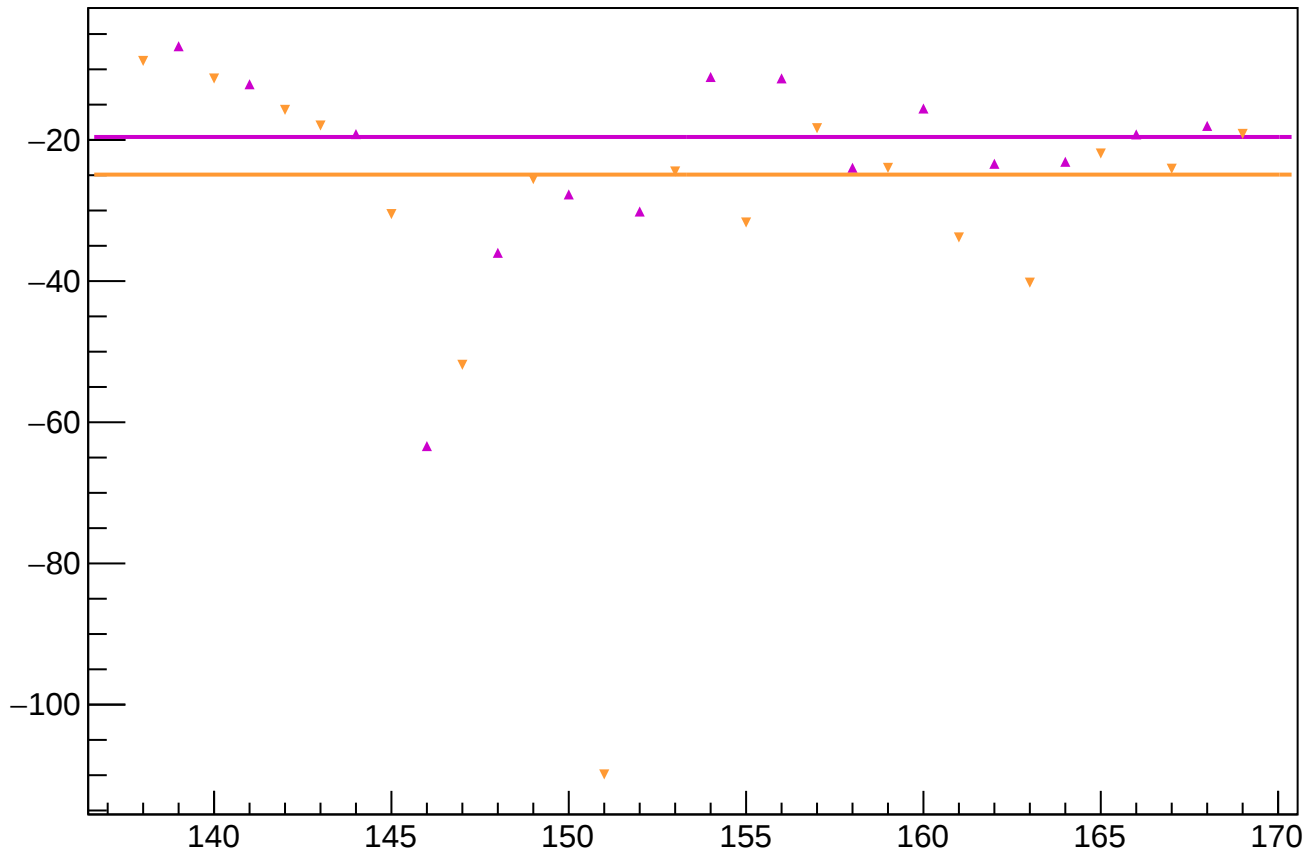
Left In: 0.063 $\pm$ 0.002 χ^2/NDF : 2653.6/14

+ sign 0.135 $\pm$ 0.002 χ^2/NDF : 5027.7/33

All: 0.112 $\pm$ 0.001 χ^2/NDF : 10294.6/67

- sign 0.094 $\pm$ 0.002 χ^2/NDF : 5024.8/33

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -24.912+/-0.060 χ^2/NDF : 56402.6/16

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

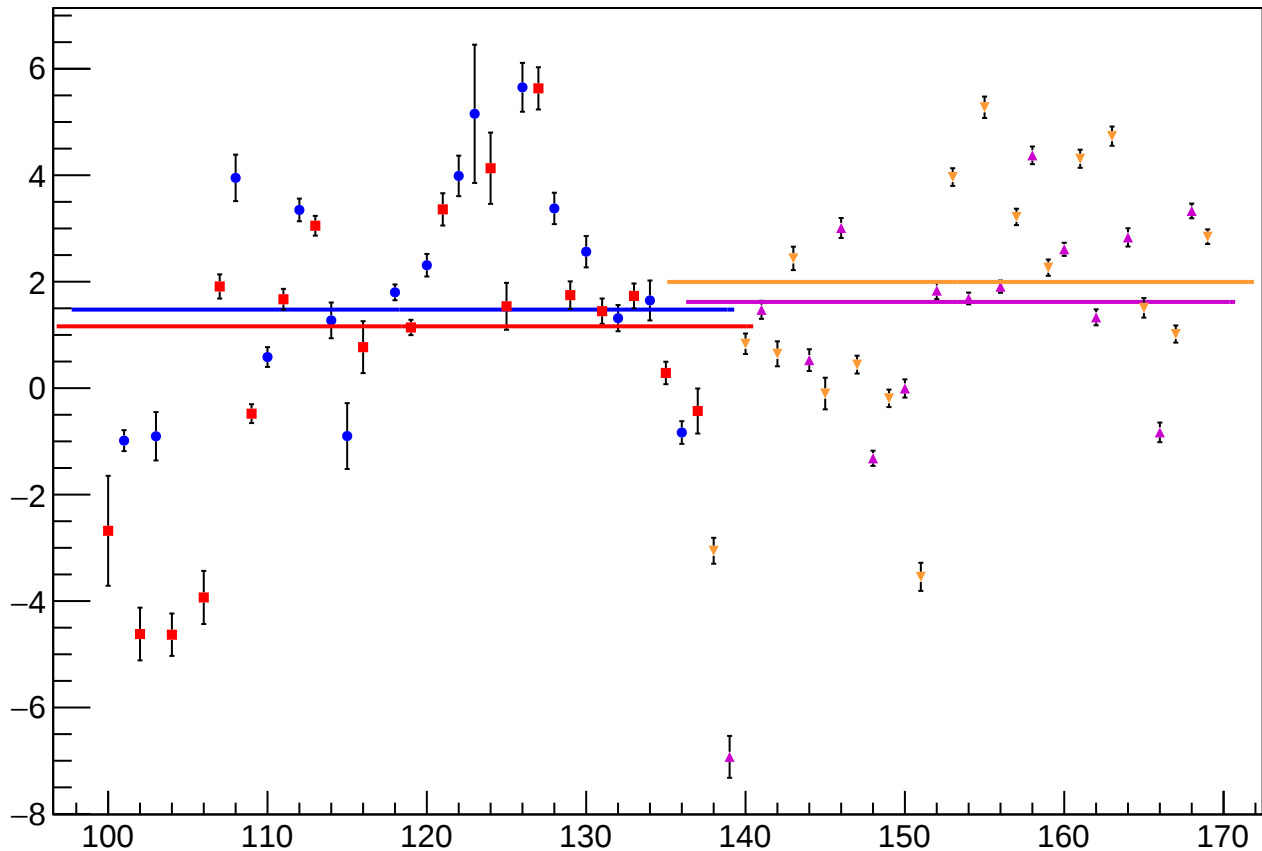
Left In: -19.581+/-0.054 χ^2/NDF : 36281.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.976+/-0.040 χ^2/NDF : 97038.8/31

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 1.996 ± 0.044 χ^2/NDF : 2225.3/16

Right Out: 1.161 ± 0.060 χ^2/NDF : 917.9/18

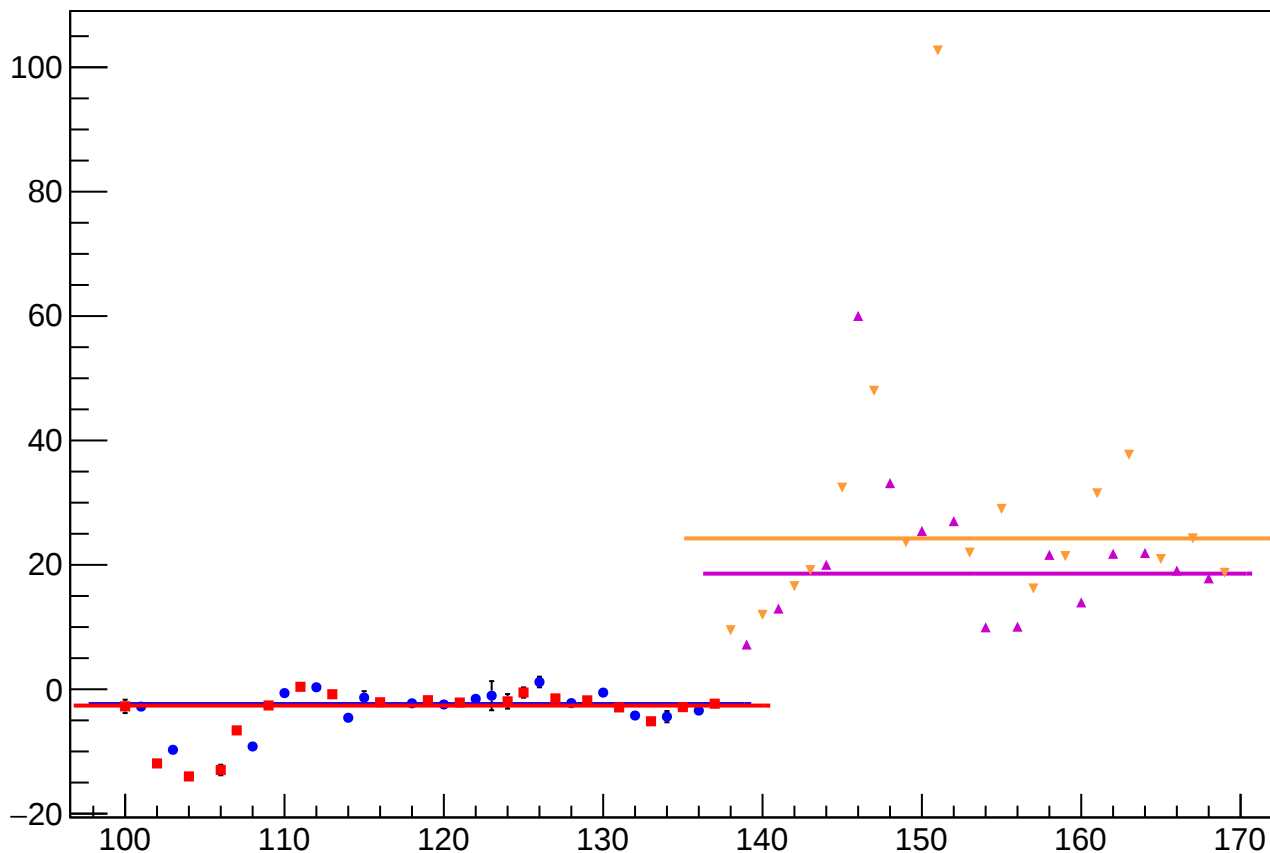
Left In: 1.620 ± 0.040 χ^2/NDF : 1800.0/14

+ sign 1.826 ± 0.036 χ^2/NDF : 2930.0/33

All: 1.637 ± 0.024 χ^2/NDF : 5738.4/67

- sign 1.480 ± 0.033 χ^2/NDF : 2758.6/33

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 24.251 ± 0.059 χ^2/NDF : 50539.4/16

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

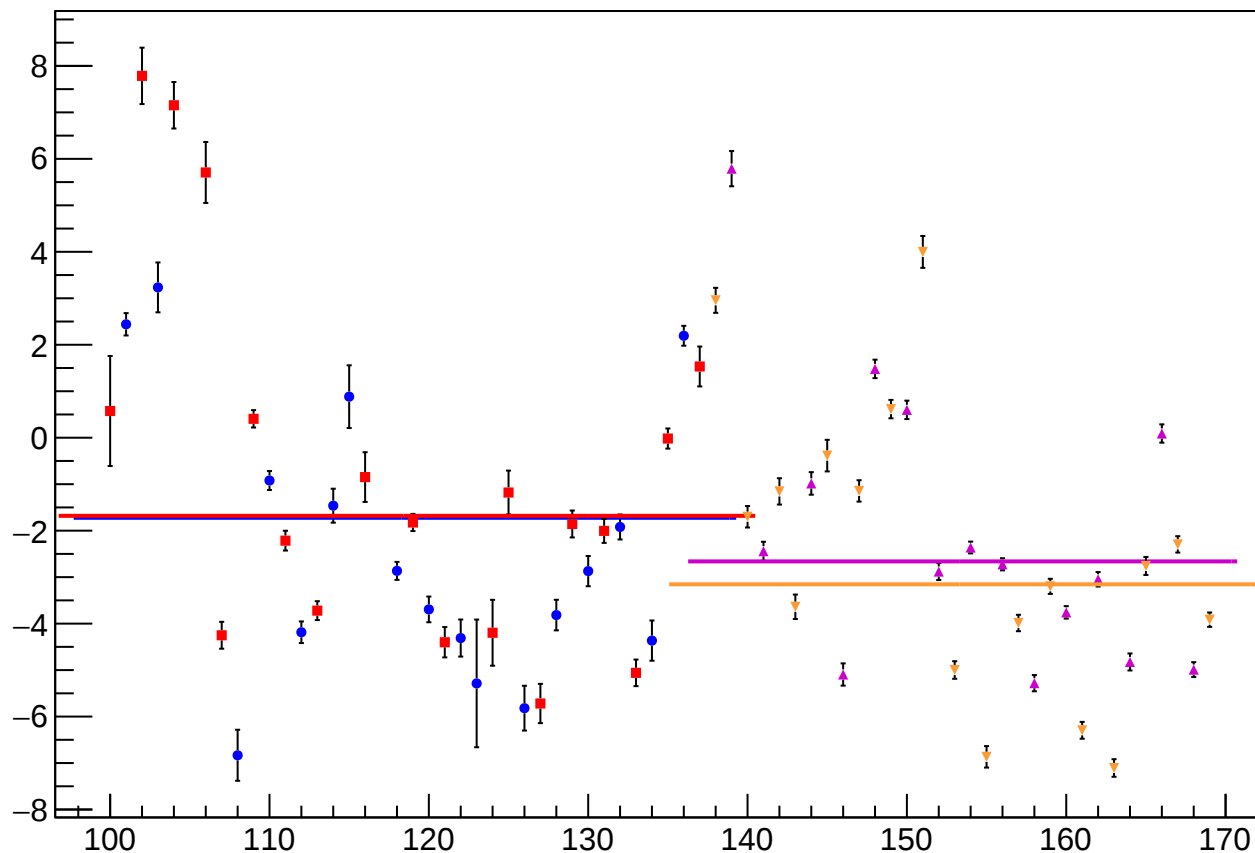
Left In: 18.591 ± 0.052 χ^2/NDF : 34241.2/14

+ sign 18.701 ± 0.053 χ^2/NDF : 93408.2/33

All: 16.212 ± 0.035 χ^2/NDF : 166065.0/67

- sign 14.236 ± 0.047 χ^2/NDF : 68625.5/33

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722±/0.073 χ^2/NDF : 1247.6/16

Left Out: -3.154±/0.050 χ^2/NDF : 2713.3/16

Right Out: -1.681±/0.068 χ^2/NDF : 1431.0/18

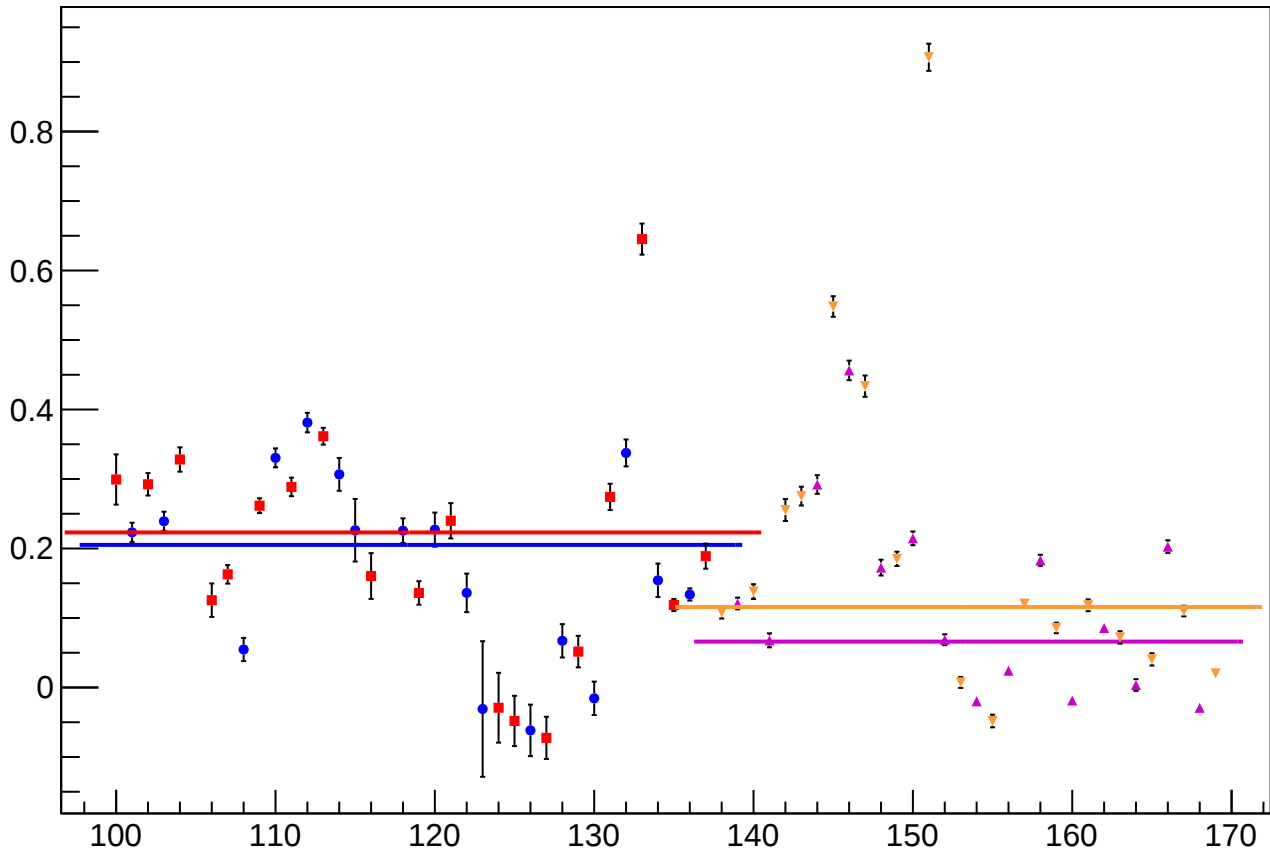
Left In: -2.661±/0.045 χ^2/NDF : 2206.8/14

+ sign -2.695±/0.041 χ^2/NDF : 4221.6/33

All: -2.512±/0.028 χ^2/NDF : 8039.6/67

- sign -2.361±/0.038 χ^2/NDF : 3782.4/33

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.116 ± 0.002 χ^2/NDF : 3987.9/16

Right Out: 0.223 ± 0.004 χ^2/NDF : 1040.5/18

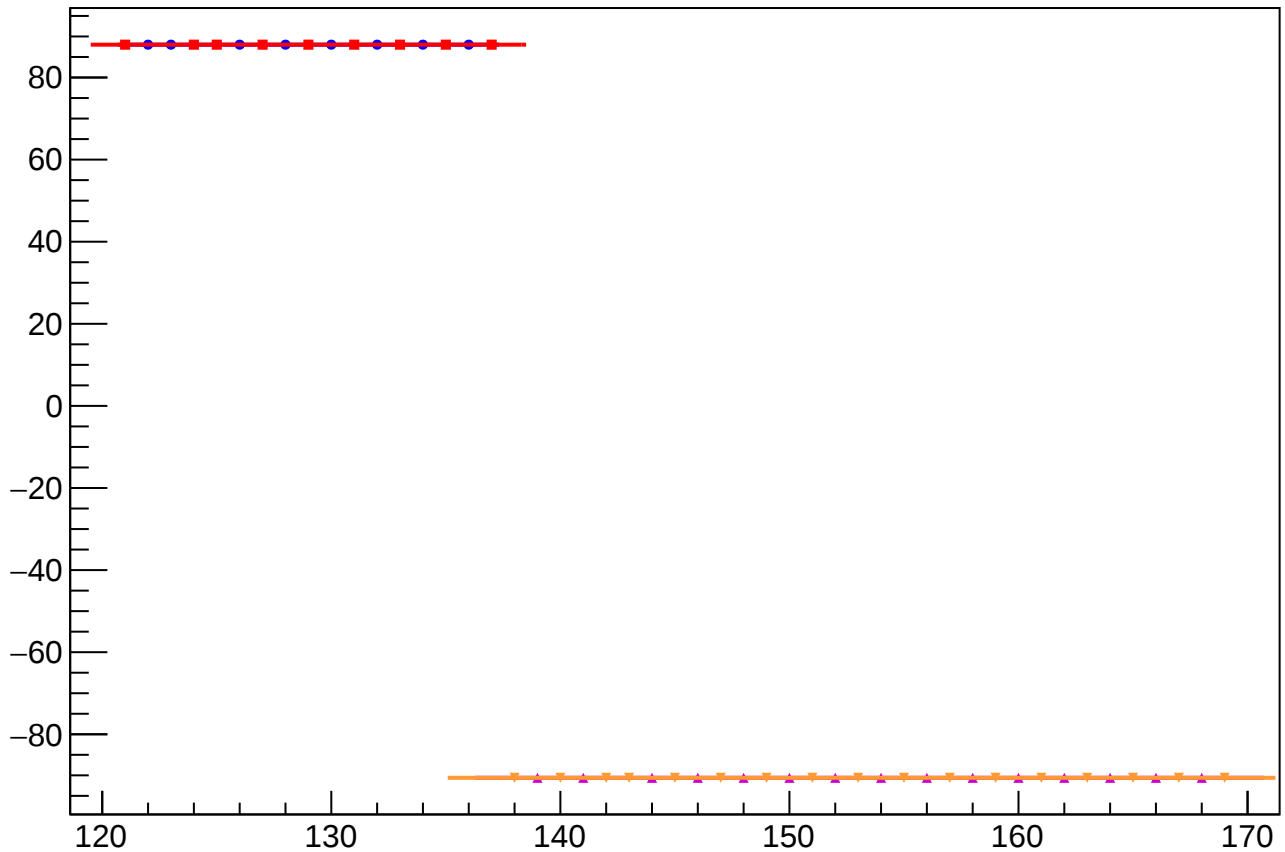
Left In: 0.066 ± 0.002 χ^2/NDF : 2662.1/14

+ sign 0.135 ± 0.002 χ^2/NDF : 4980.2/33

All: 0.115 ± 0.001 χ^2/NDF : 10196.4/67

- sign 0.099 ± 0.002 χ^2/NDF : 5027.0/33

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 5094956.0/16

Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

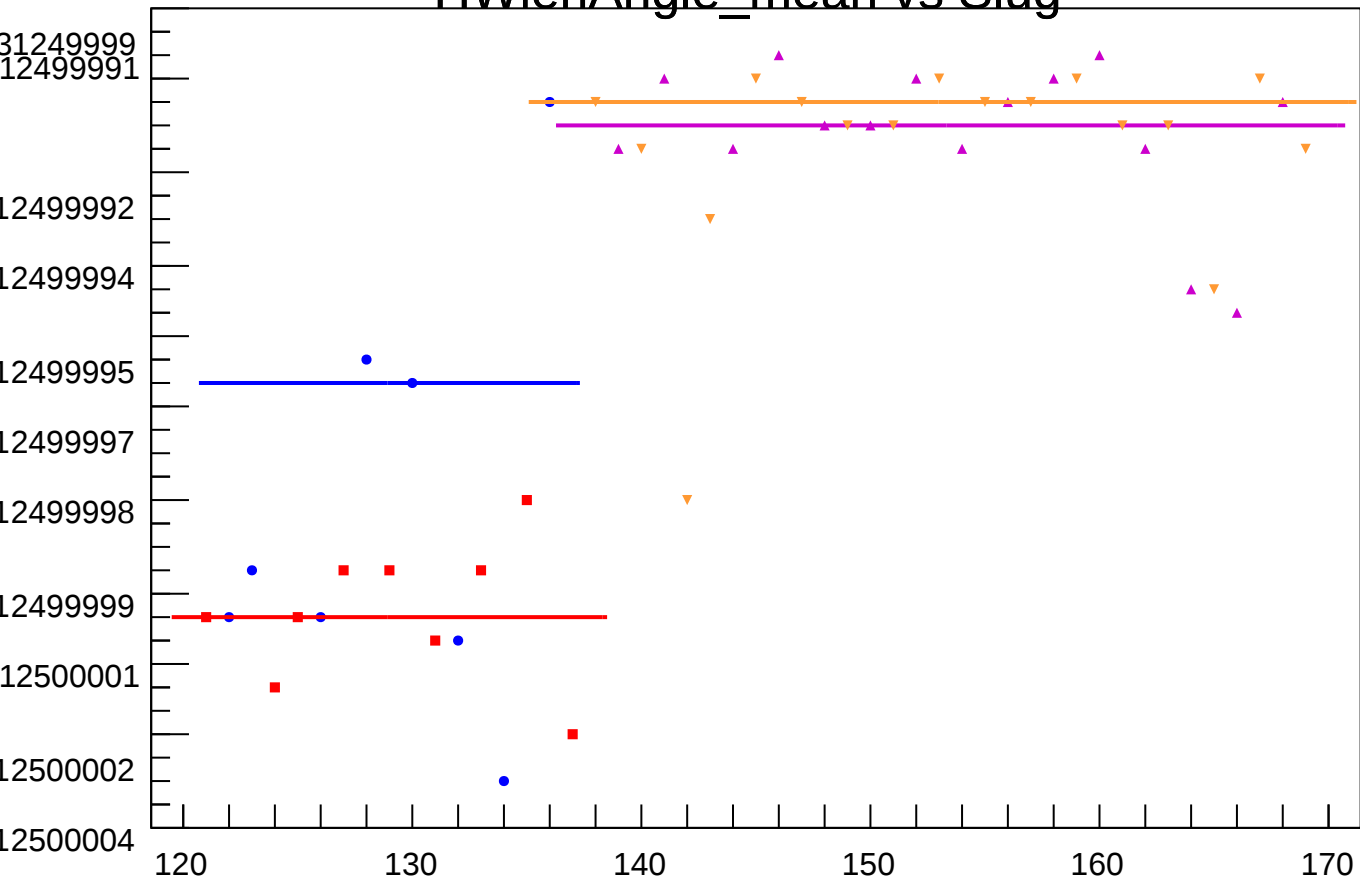
Left In: -90.599+/-0.000 χ^2/NDF : 4880890.7/14

+ sign -53.781+/-0.000 χ^2/NDF : 866020961750451

All: -53.568+/-0.000 χ^2/NDF : 167128801104

- sign -53.337+/-0.000 χ^2/NDF : 805251378705034

HWienAngle_mean vs Slug



Right In: -29.641 ± 0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641 ± 0.000 χ^2/NDF : 255666.7/16

Right Out: -29.641 ± 0.000 χ^2/NDF : 29358.2/8

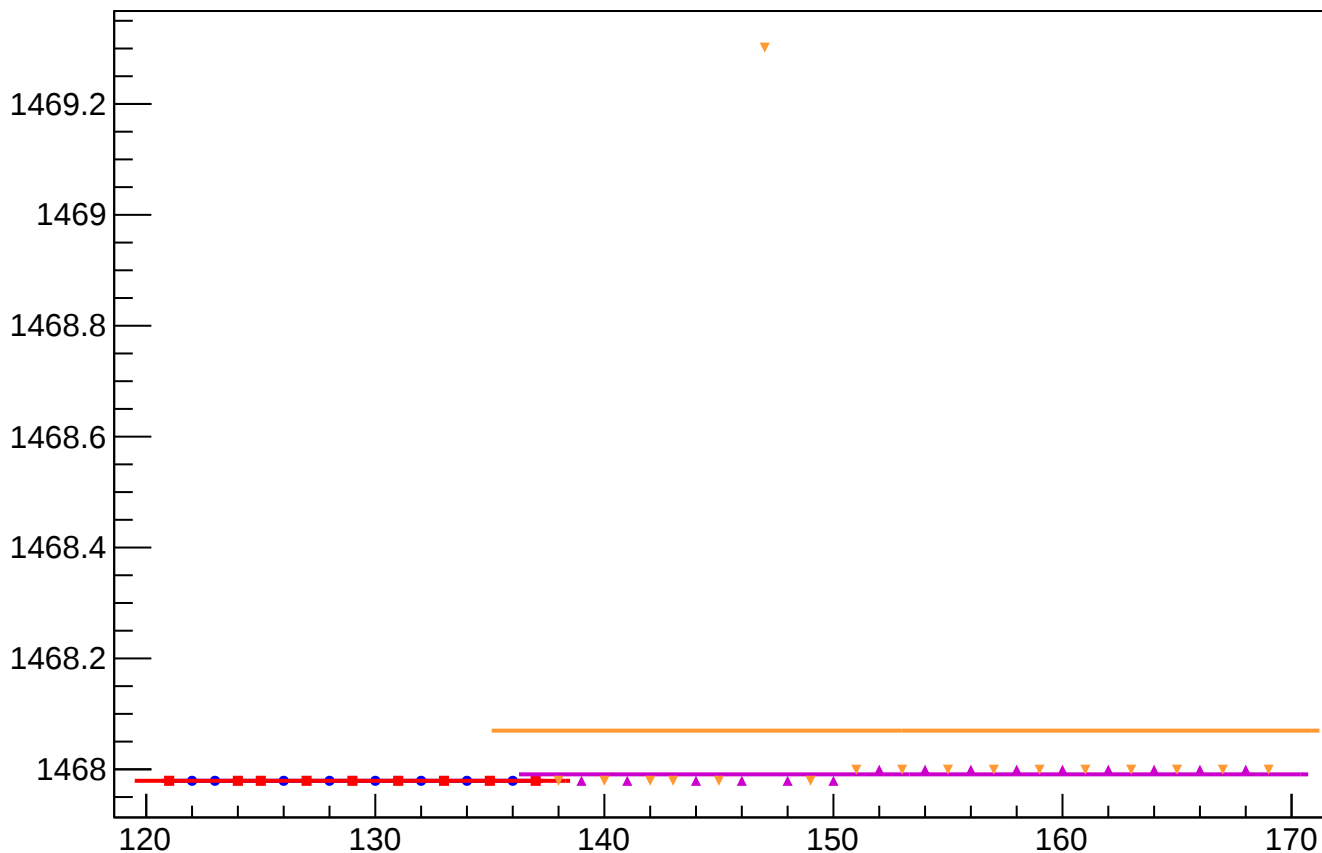
Left In: -29.641 ± 0.000 χ^2/NDF : 123239.0/14

+ sign -29.641 ± 0.000 χ^2/NDF : 1138686.0/24

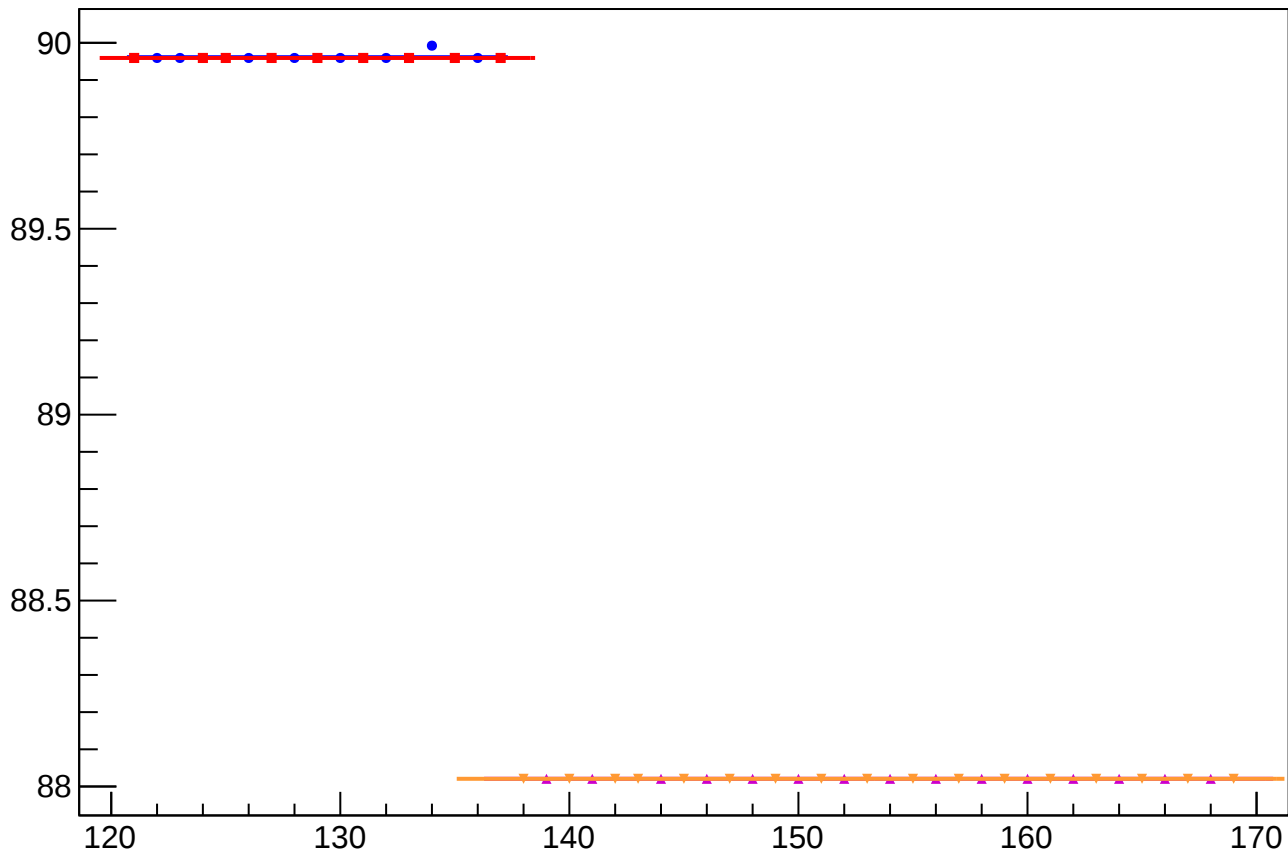
All: -29.641 ± 0.000 χ^2/NDF : 2814895.5/48

- sign -29.641 ± 0.000 χ^2/NDF : 1617707.6/23

psub_pl_pos_mean vs Slug



Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 4601798.0/16

Right Out: 89.959+/-0.000 χ^2/NDF : 331397.3/8

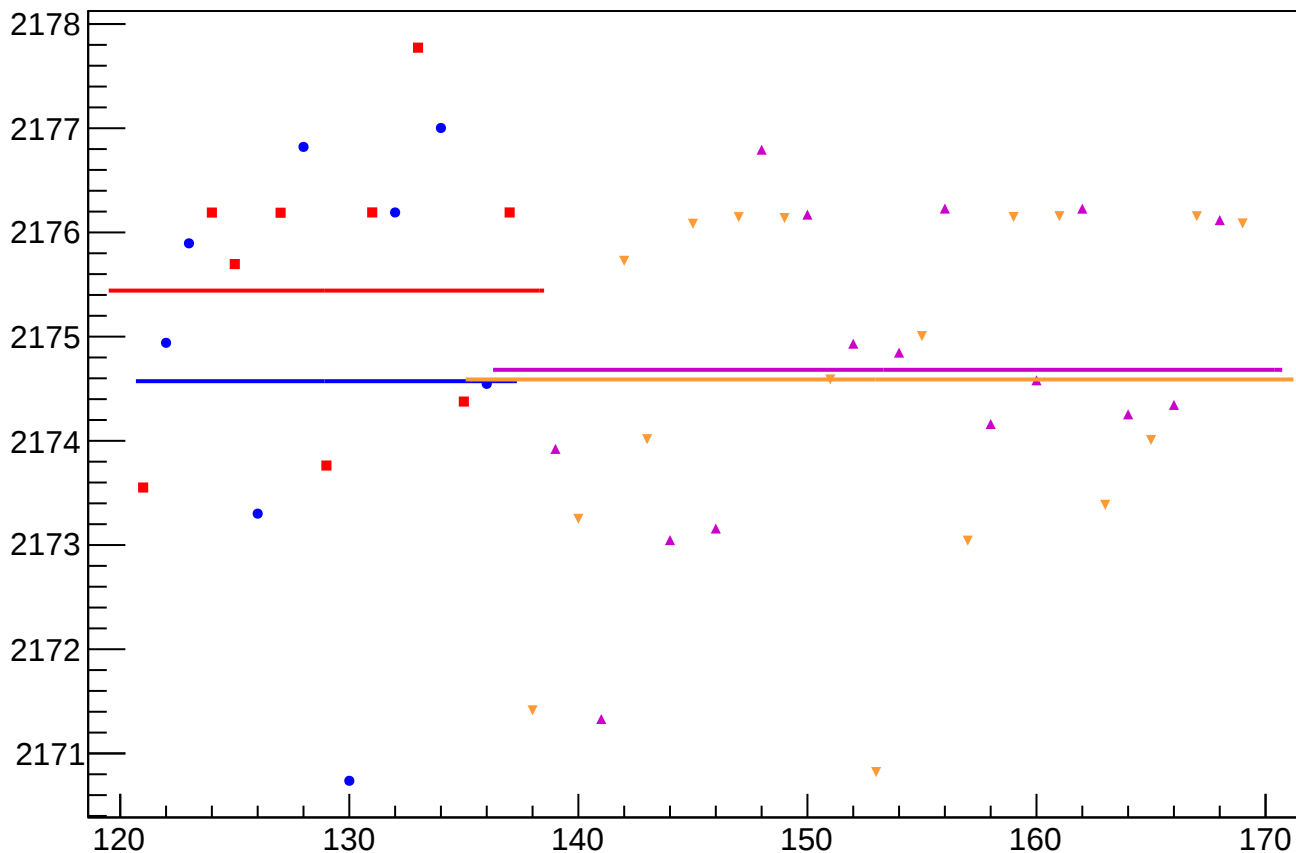
Left In: 88.021+/-0.000 χ^2/NDF : 4526471.3/14

+ sign 88.421+/-0.000 χ^2/NDF : 1022485182293579

All: 88.423+/-0.000 χ^2/NDF : 1971229595992

- sign 88.425+/-0.000 χ^2/NDF : 9487290185565349

HALLA_p_mean vs Slug



Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.589 $\pm$ 0.000 χ^2 /NDF: 3939034343367545832206118443548672.0/16

Right Out: 2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

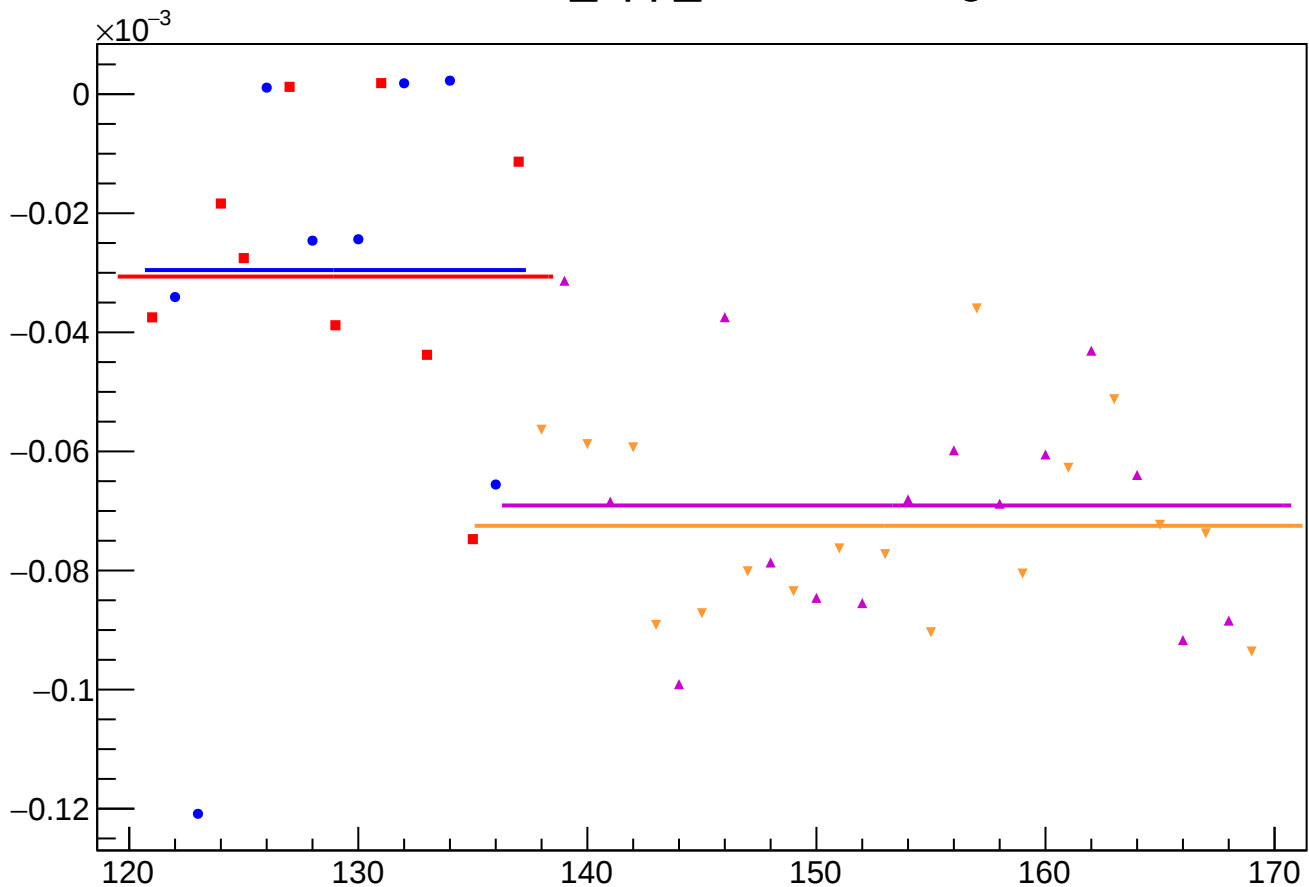
Left In: 2174.682 $\pm$ 0.000 χ^2 /NDF: 2600148396024958156653200702177280.0/14

+ sign 2174.585 $\pm$ 0.000 χ^2 /NDF: 52993713976262

All: 2174.708 $\pm$ 0.000 χ^2 /NDF: 8707870078

- sign 2174.840 $\pm$ 0.000 χ^2 /NDF: 33568245743743

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2 /NDF: 316515149519856546611200.0/16

Right Out: -0.000+/-0.000 χ^2 /NDF: 196732771178766734983168.0/8

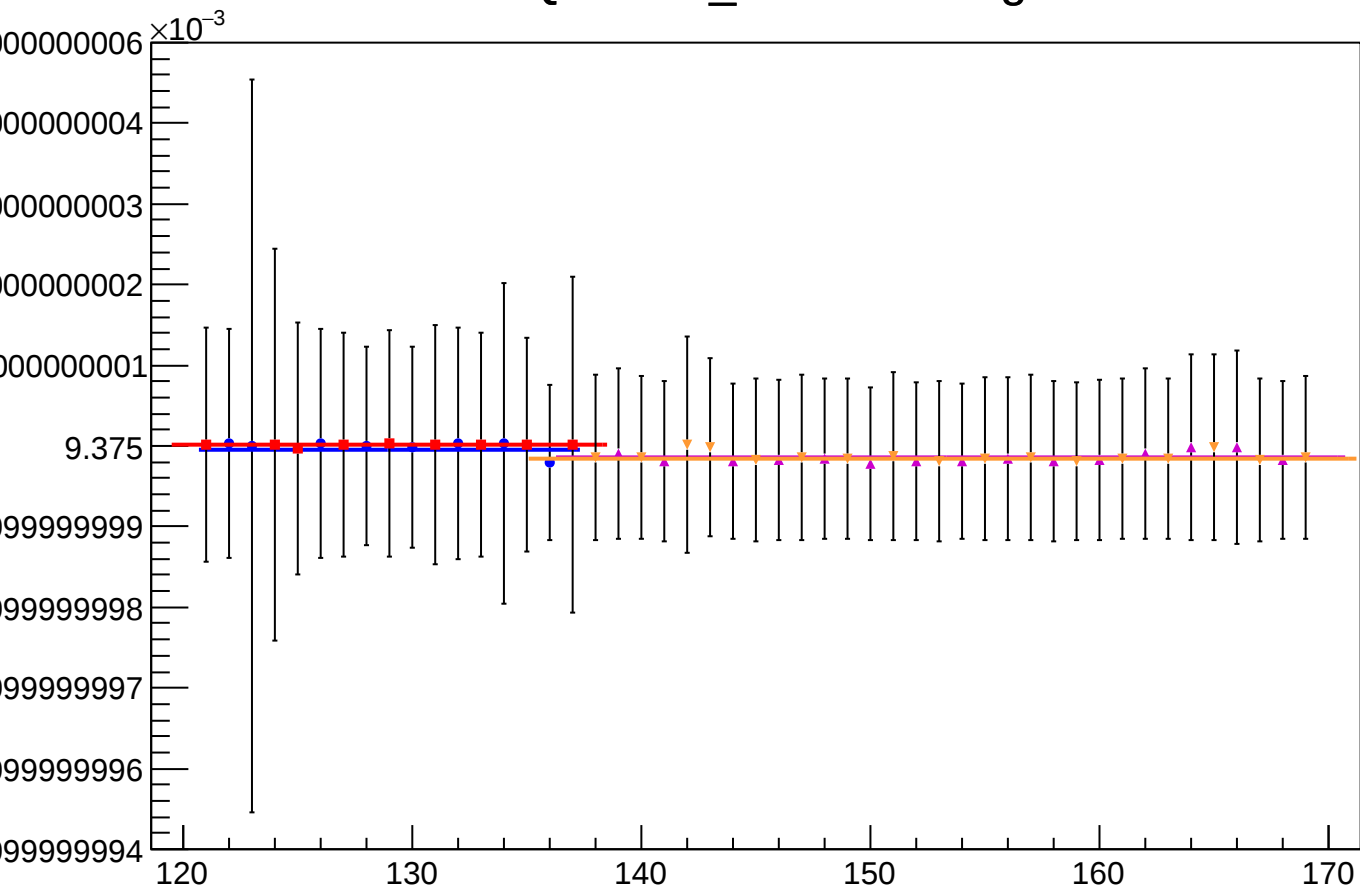
Left In: -0.000+/-0.000 χ^2 /NDF: 448106025940792540921856.0/14

+ sign -0.000+/-0.000 χ^2 /NDF: 1067402011765246

All: -0.000+/-0.000 χ^2 /NDF: 2090659333218

- sign -0.000+/-0.000 χ^2 /NDF: 10179654429834475

MQ171LM_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:0.1/16

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

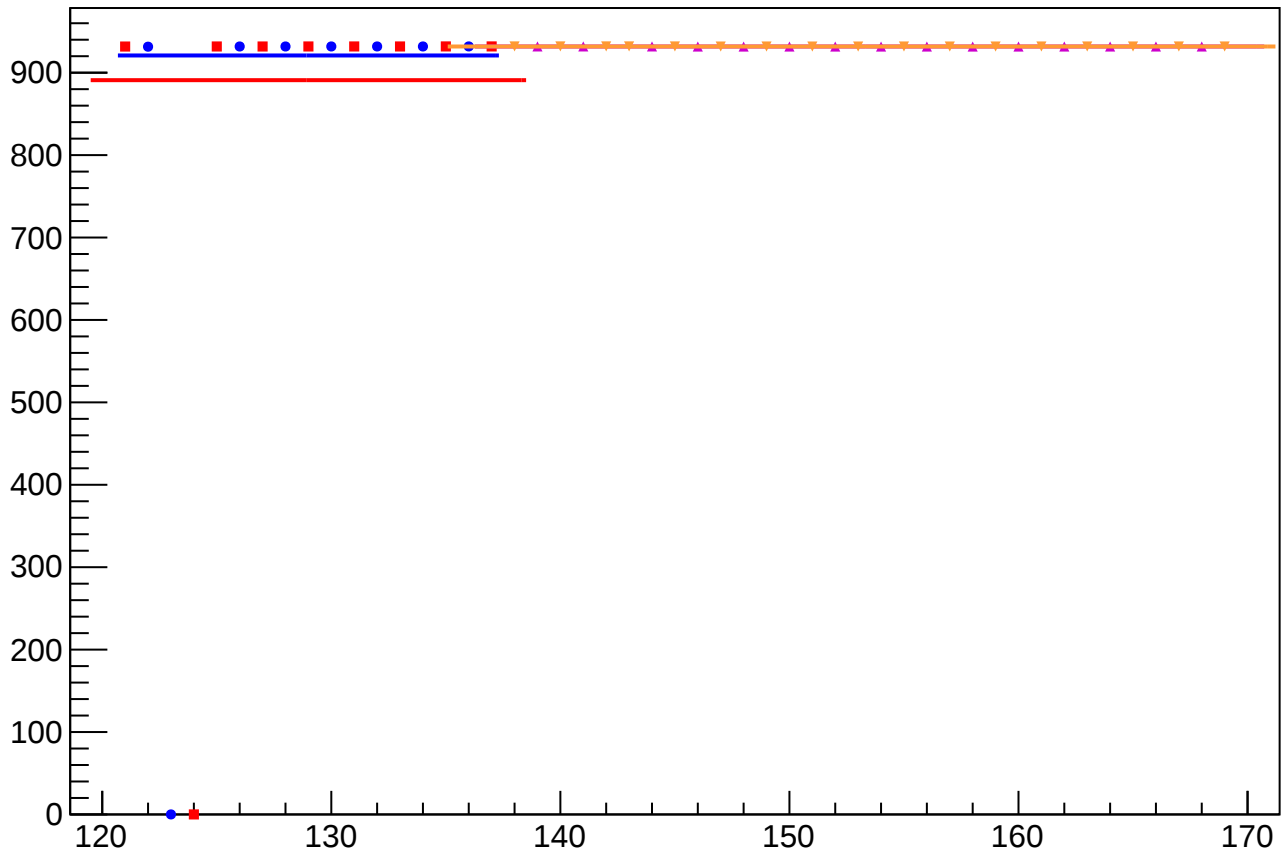
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/48

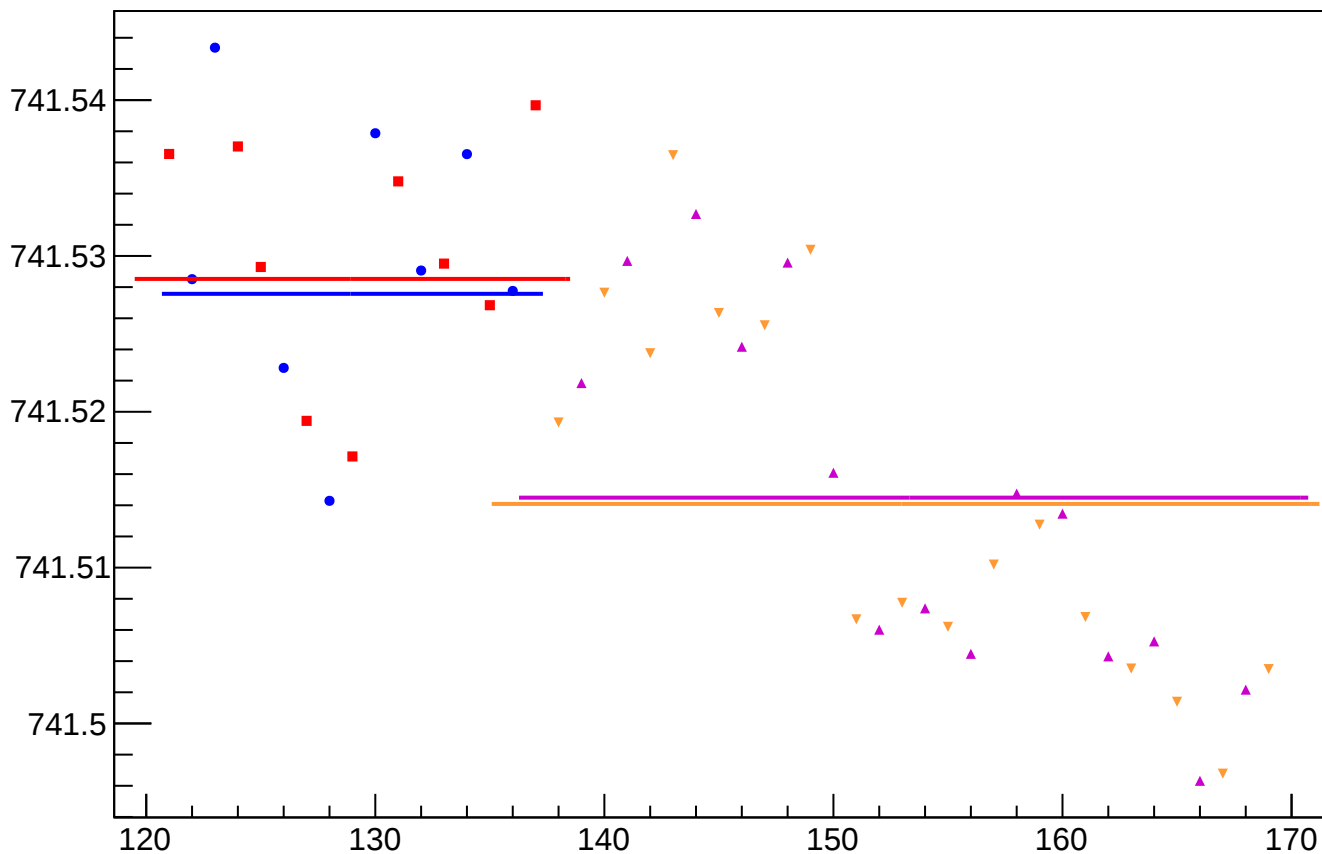
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
 Left Out: 931.785+/-0.000 χ^2/NDF : 3833002418758540890657567801344.0/16
 Right Out: 890.923+/-0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
 Left In: 931.773+/-0.000 χ^2/NDF : 3371738380691987273822758764544.0/14

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528 ± 0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.514 ± 0.000 χ^2/NDF : 171044028525835011352789254144.0/16

Right Out: 741.529 ± 0.000 χ^2/NDF : 16580353917842624420385914880.0/8

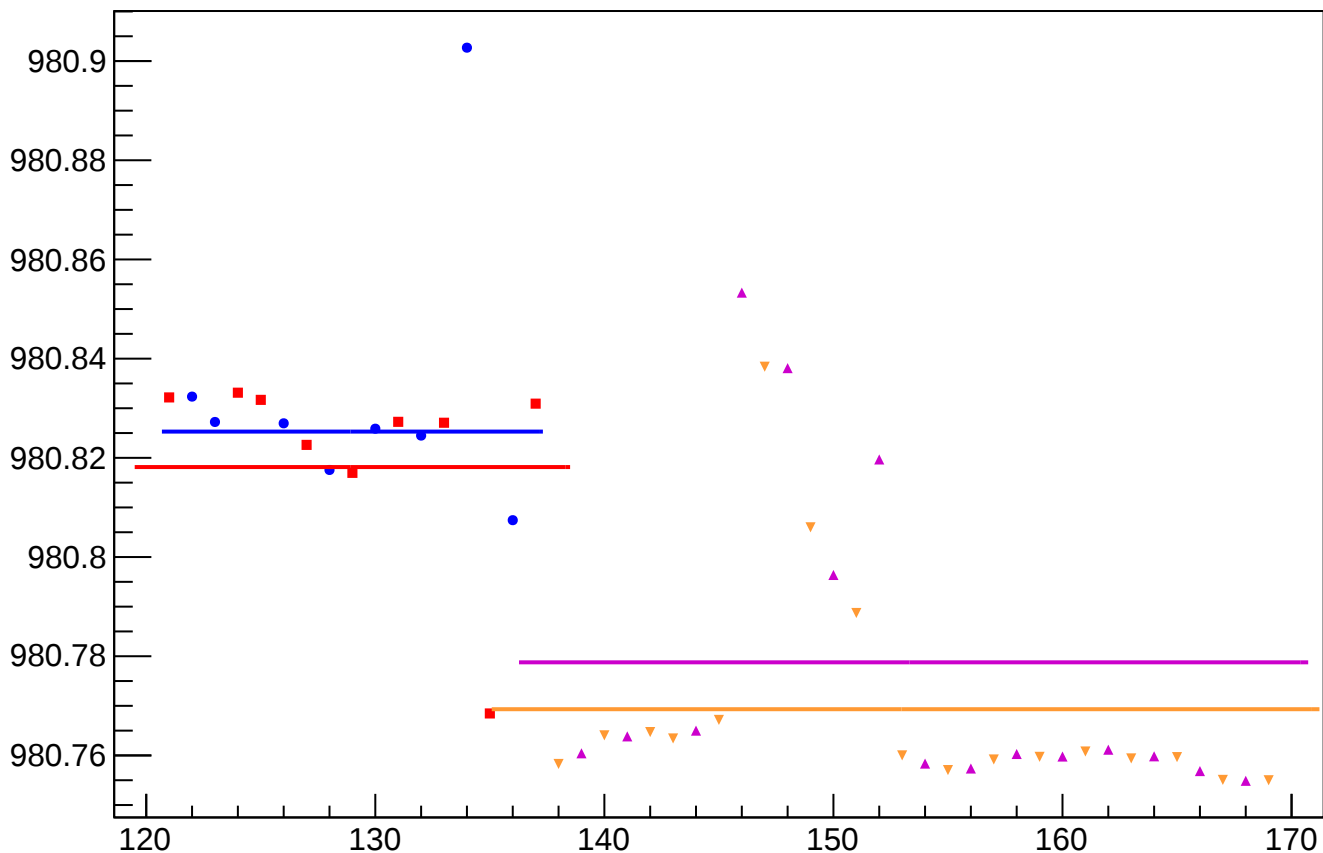
Left In: 741.514 ± 0.000 χ^2/NDF : 144270149111819425392409706496.0/14

+ sign 741.517 ± 0.000 χ^2/NDF : 239292941456276

All: 741.517 ± 0.000 χ^2/NDF : 450125120703

- sign 741.517 ± 0.000 χ^2/NDF : 210589940118430

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825 $\pm$ 0.000 χ^2 /NDF: 159345321268745350954763681792.0/7

Left Out: 980.769 $\pm$ 0.000 χ^2 /NDF: 618331153898802898873652084736.0/16

Right Out: 980.818 $\pm$ 0.000 χ^2 /NDF: 143689912167528137563261894656.0/8

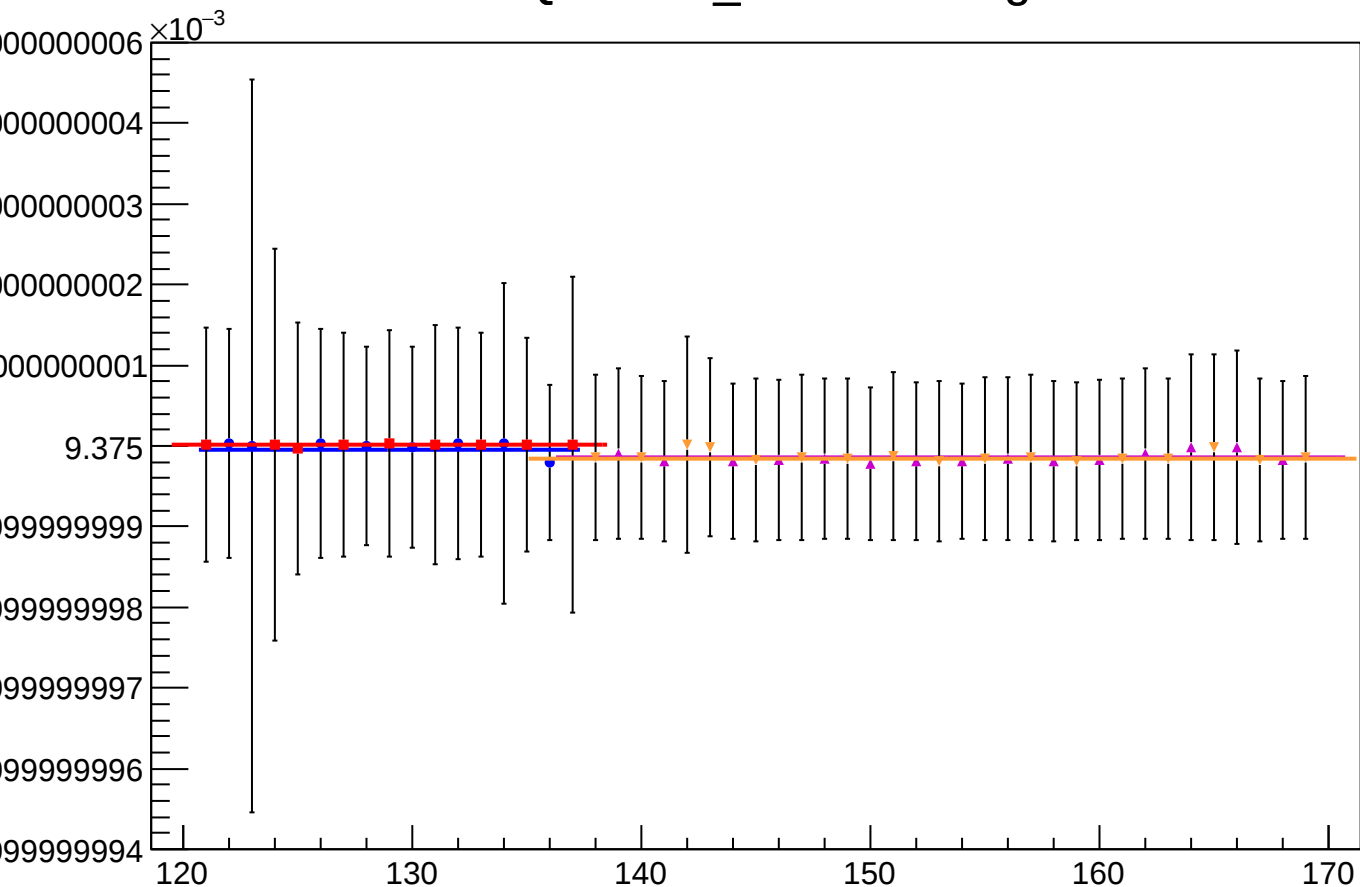
Left In: 980.779 $\pm$ 0.000 χ^2 /NDF: 1246153781645057674043472216064.0/14

+ sign 980.781 $\pm$ 0.000 χ^2 /NDF: 162832483088755

All: 980.784 $\pm$ 0.000 χ^2 /NDF: 343935990422

- sign 980.787 $\pm$ 0.000 χ^2 /NDF: 178117210703820

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 : 0.1/16

Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

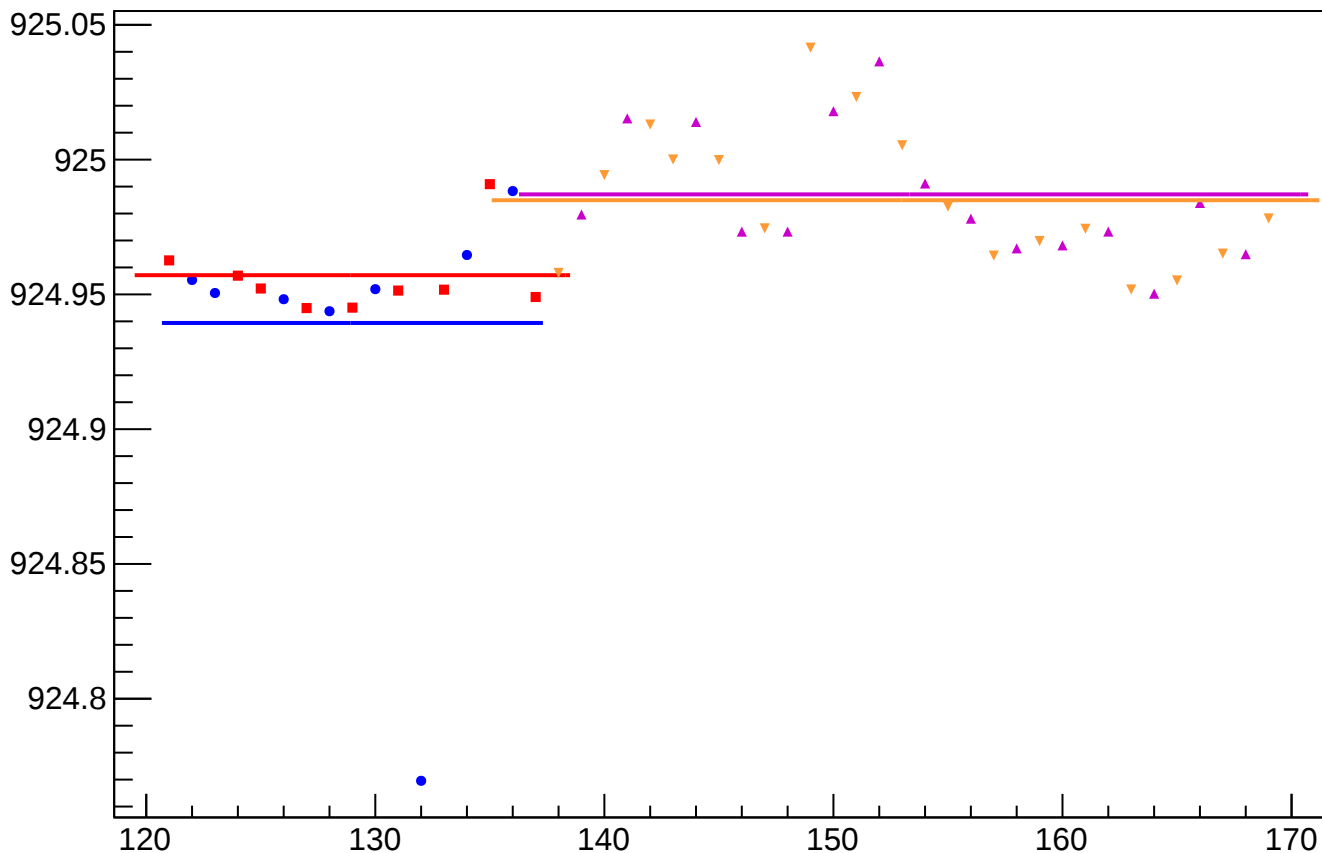
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/14

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/24

All: 0.009 $\pm$ 0.000 χ^2/NDF : 0.3/48

- sign 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/23

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939+/-0.000

χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.985+/-0.000

χ^2/NDF : 805061454561538003411008487424.0/16

Right Out: 924.957+/-0.000

χ^2/NDF : 71808709366506786060310151168.0/8

Left In: 924.987+/-0.000

χ^2/NDF : 679422845413471251544261263360.0/14

+ sign 924.976+/-0.000

χ^2/NDF : 276917087542440.0/16

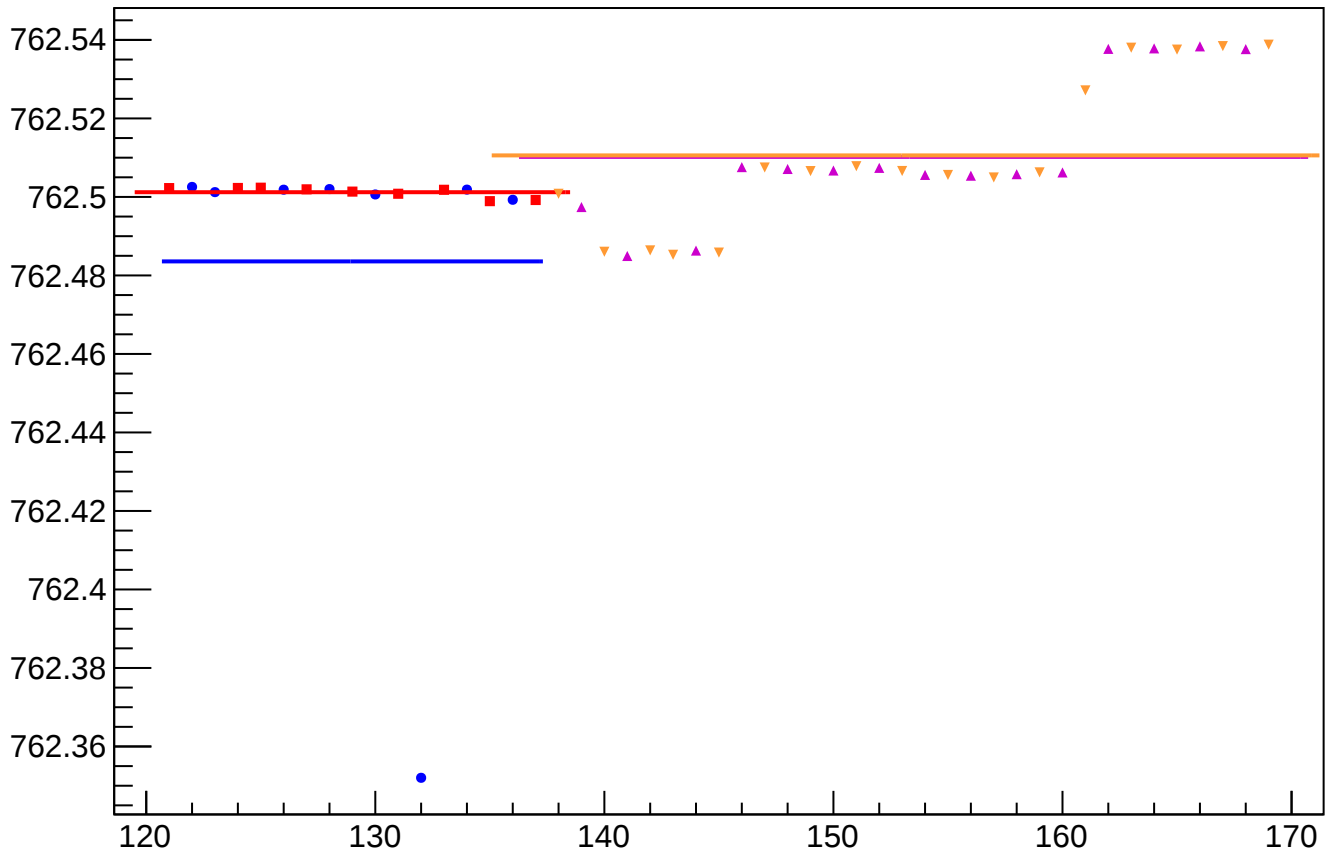
All: 924.978+/-0.000

χ^2/NDF : 376979050100.0/16

- sign 924.981+/-0.000

χ^2/NDF : 978197052312431.0/16

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484 $\pm$ 0.000 χ^2 /NDF: 784430761251084401798891438080.0/7

Left Out: 762.511 $\pm$ 0.000 χ^2 /NDF: 445833172744948229650186764288.0/16

Right Out: 762.501 $\pm$ 0.000 χ^2 /NDF: 469794702848036819563446272.0/8

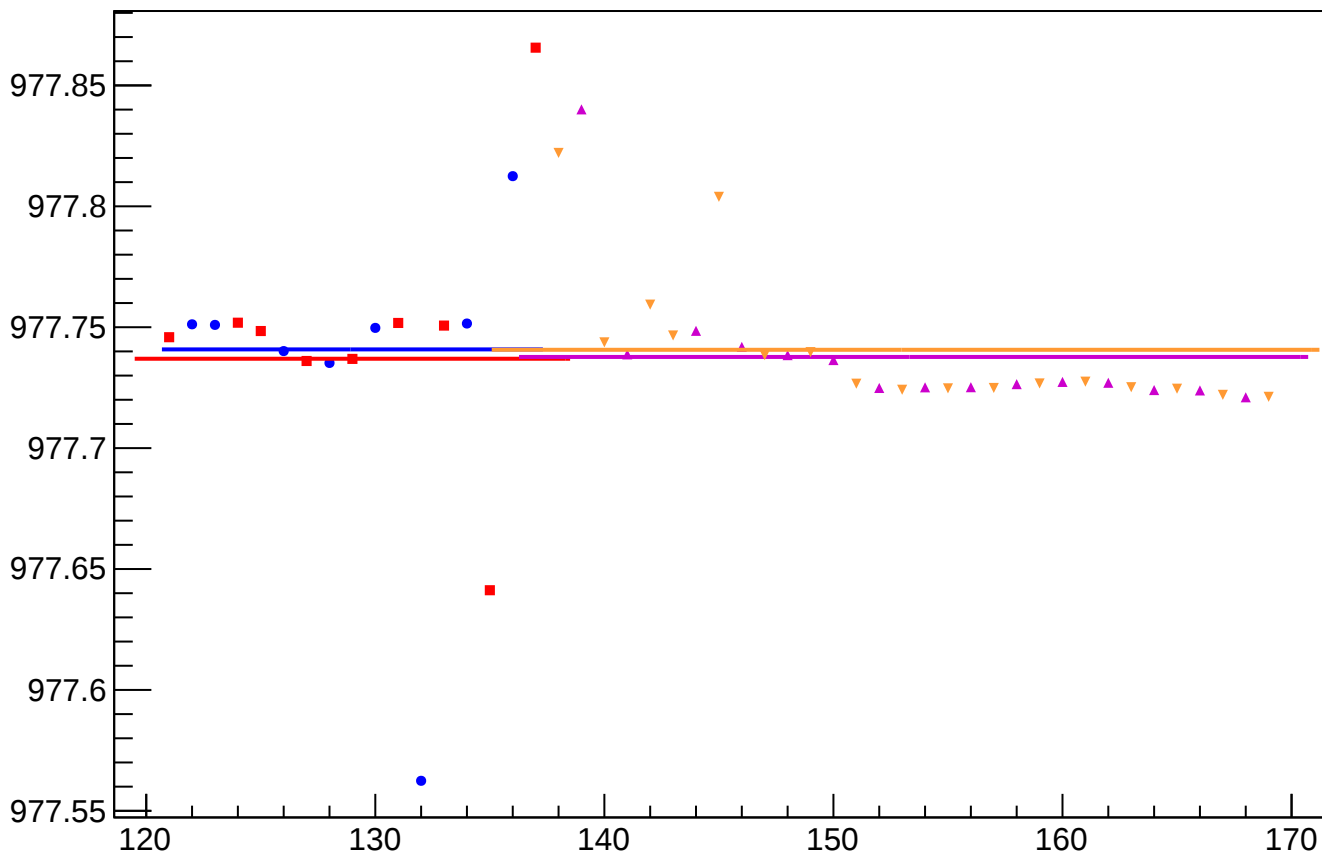
Left In: 762.510 $\pm$ 0.000 χ^2 /NDF: 340998390986270881553072521216.0/14

+ sign 762.505 $\pm$ 0.000 χ^2 /NDF: 142826214111399

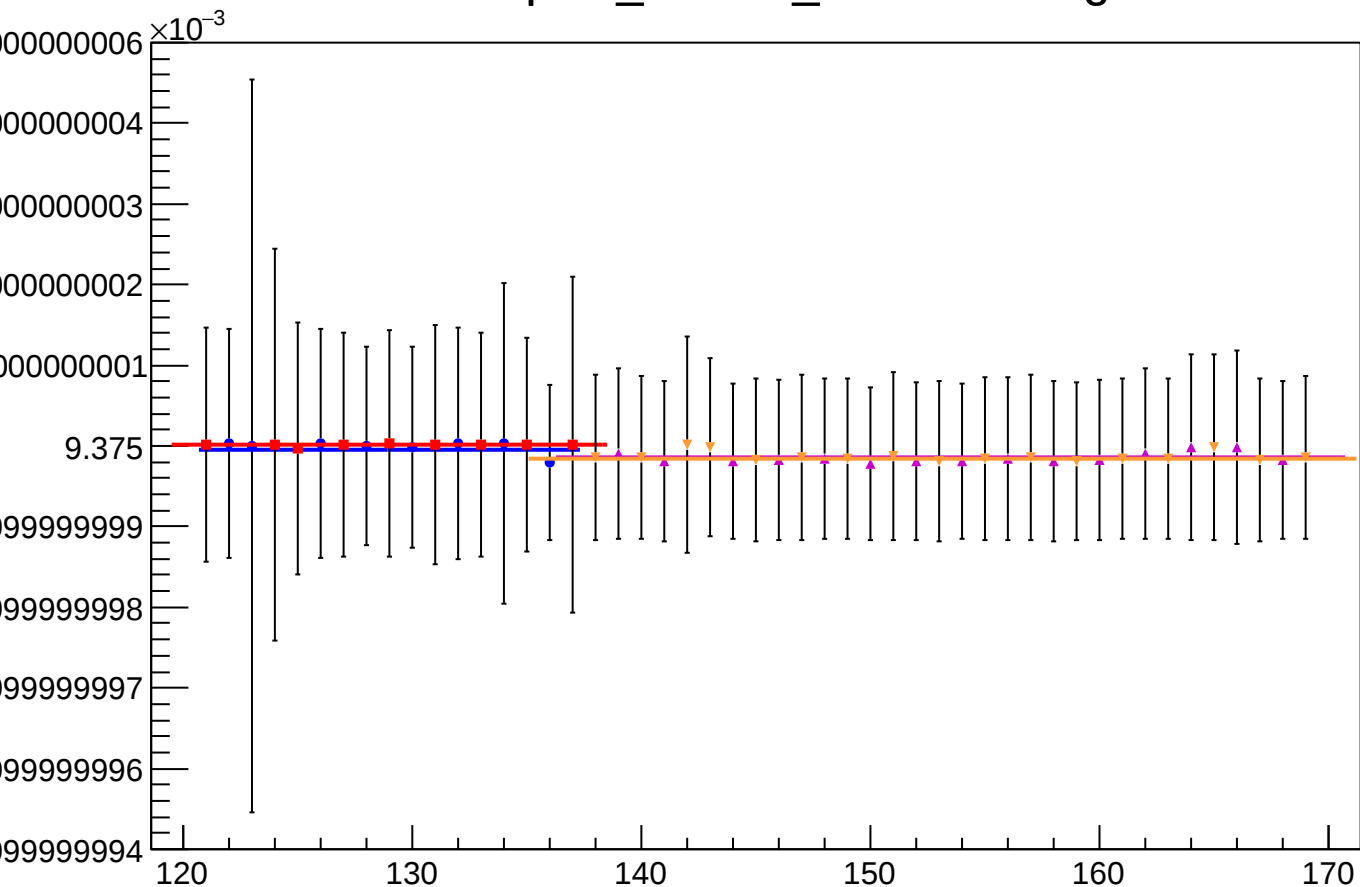
All: 762.507 $\pm$ 0.000 χ^2 /NDF: 179889160287

- sign 762.508 $\pm$ 0.000 χ^2 /NDF: 361908951201029

HacR_Q3_HP3458A_IOUT_mean vs Slug



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: 0.1/16

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

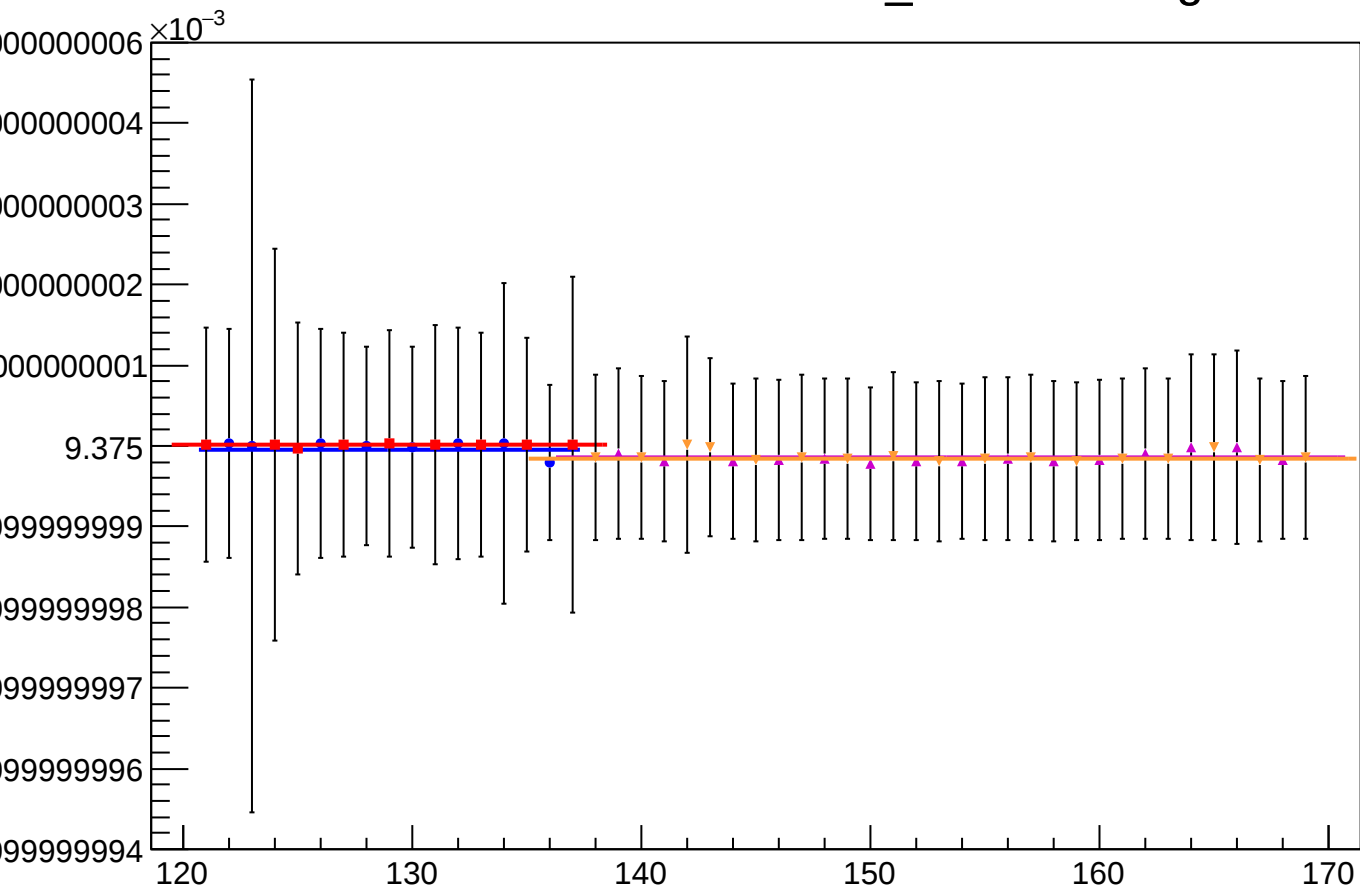
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/48

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

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: 0.1/16

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

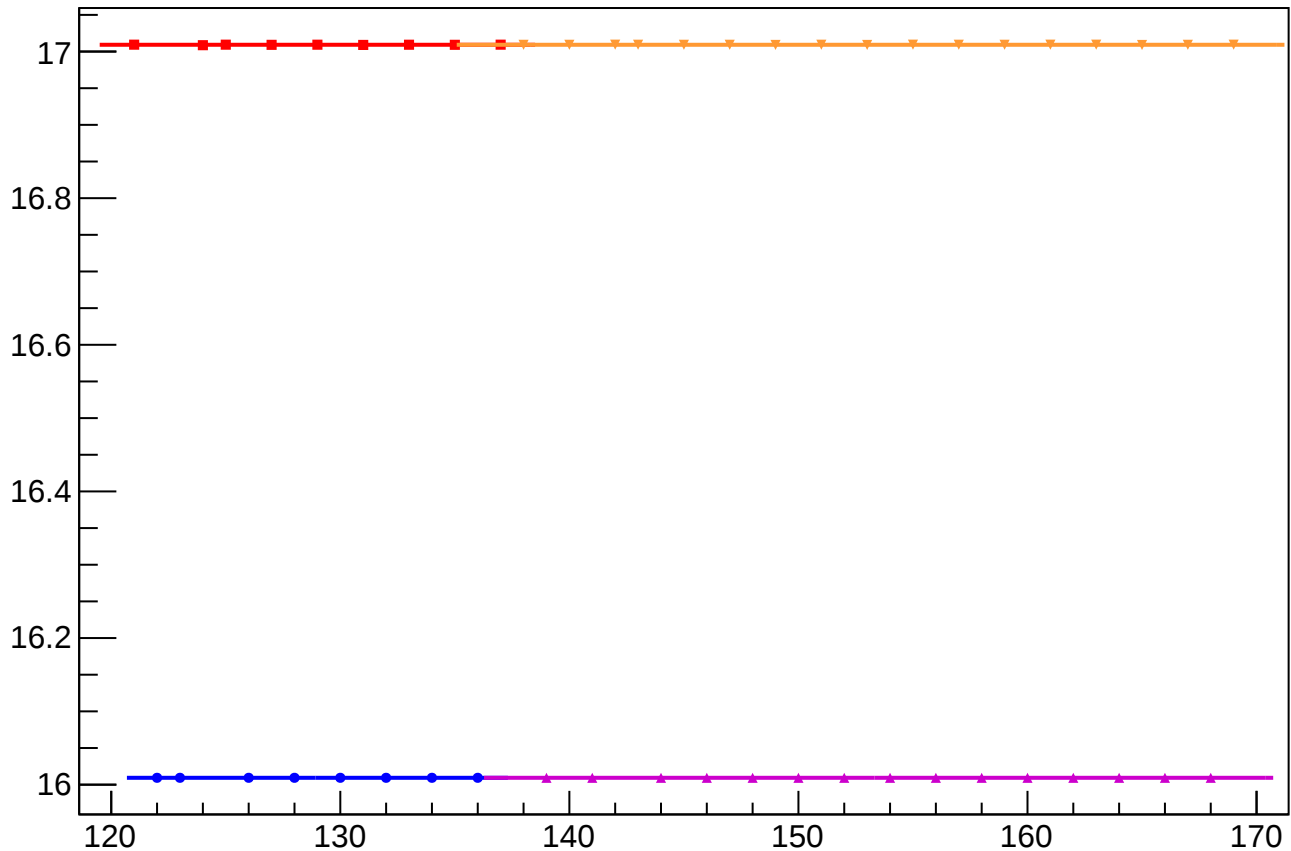
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/48

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 19580037949613641929064448.0/16

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

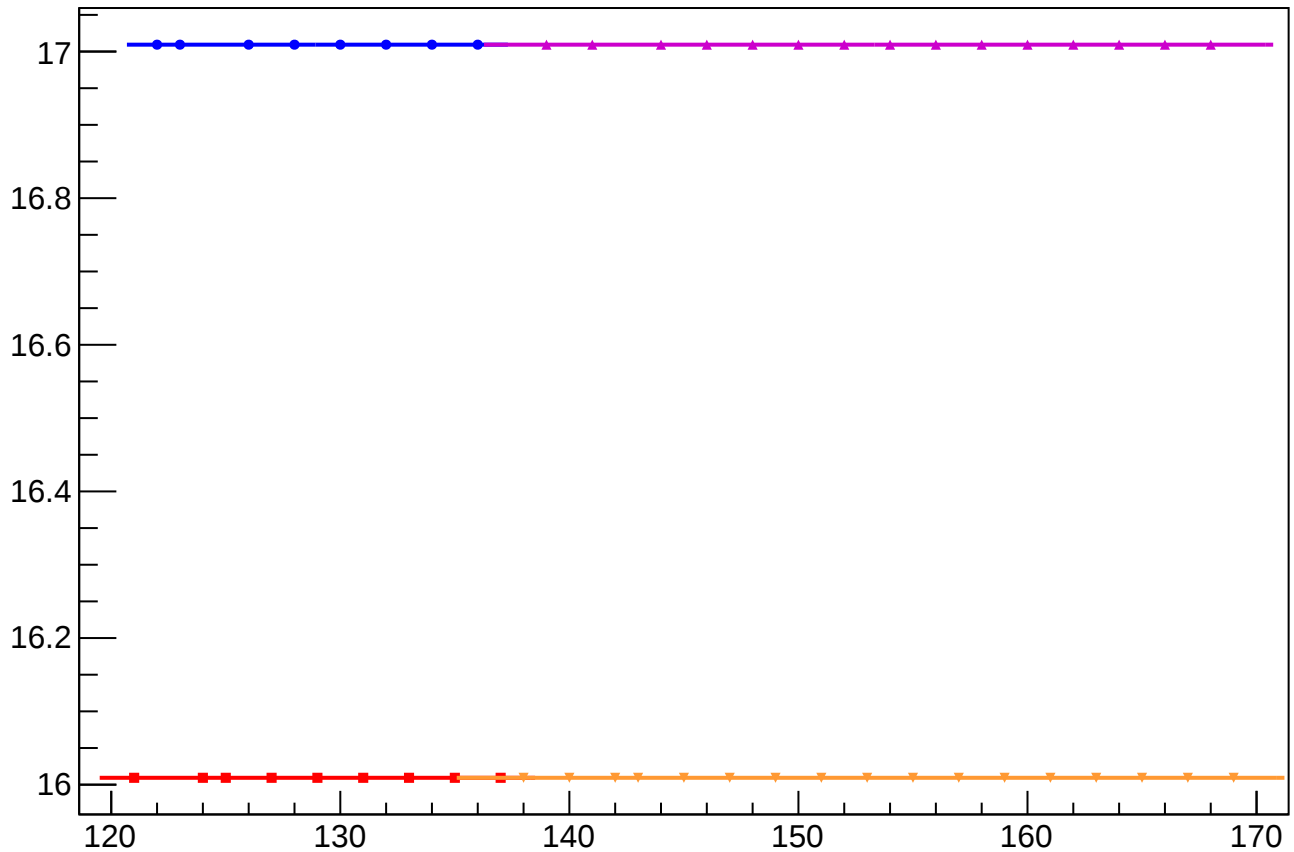
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 53819.2/14

+ sign 16.803 $\pm$ 0.000 χ^2 /NDF: 2506656044007508

All: 16.522 $\pm$ 0.000 χ^2 /NDF: 7385719337072

- sign 16.221 $\pm$ 0.000 χ^2 /NDF: 2380228533917288

IGL1I00OD16_16_mean vs Slug



Right In: 17.009 ± 0.000 $\chi^2/\text{NDF}: 76109.3/7$

Left Out: 16.009 ± 0.000 $\chi^2/\text{NDF}: 51042.5/16$

Right Out: 16.009 ± 0.000 $\chi^2/\text{NDF}: 17859.8/8$

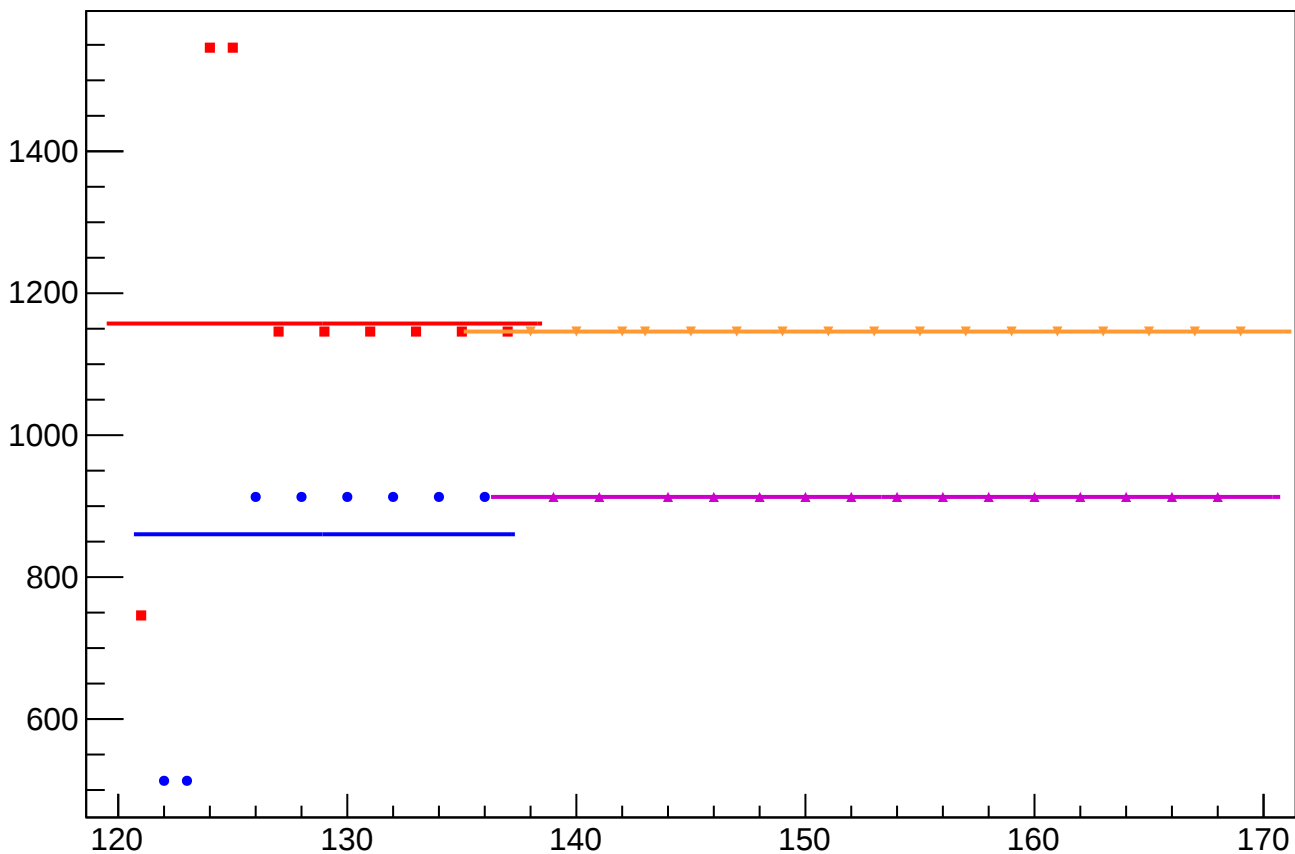
Left In: 17.009 ± 0.000 $\chi^2/\text{NDF}: 43015.0/14$

+ sign 16.217 ± 0.000 $\chi^2/\text{NDF}: 2711556632343988$

All: 16.494 ± 0.000 $\chi^2/\text{NDF}: 7892708860759$

- sign 16.798 ± 0.000 $\chi^2/\text{NDF}: 2515639496354976$

RTPAPOSUCNT_mean vs Slug



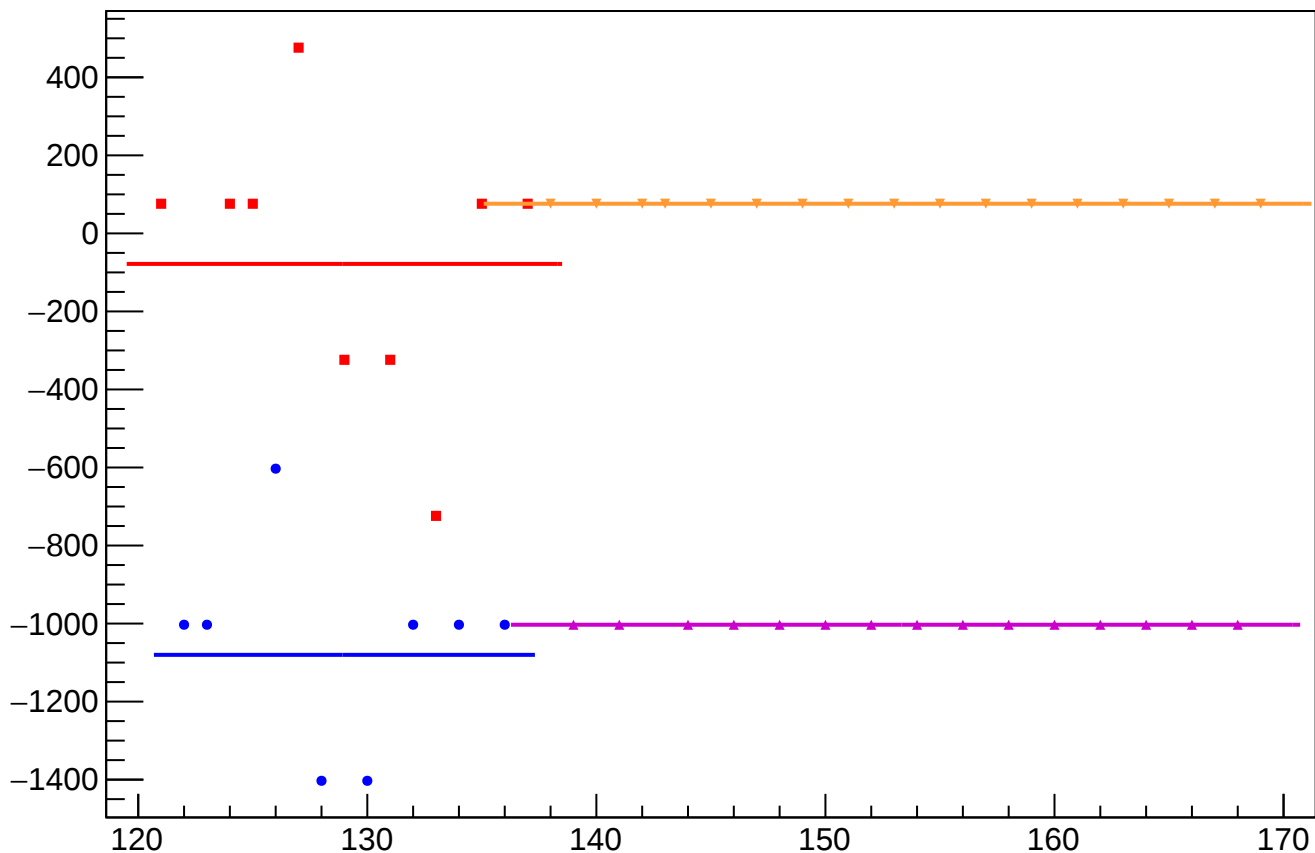
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 4434849811684023598986559488.0/16

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: 912.995+/-0.000 χ^2/NDF : 18137753536374057576167374848.0/14

RTPAPOSVCNT_mean vs Slug



Right In: -1080.182 ± 0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7
 Left Out: 76.011 ± 0.000 χ^2/NDF : 9889470438490259043372761088.0/16
 Right Out: -78.224 ± 0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: -1002.990 ± 0.000 χ^2/NDF : 1857923948603316949095546880.0/14