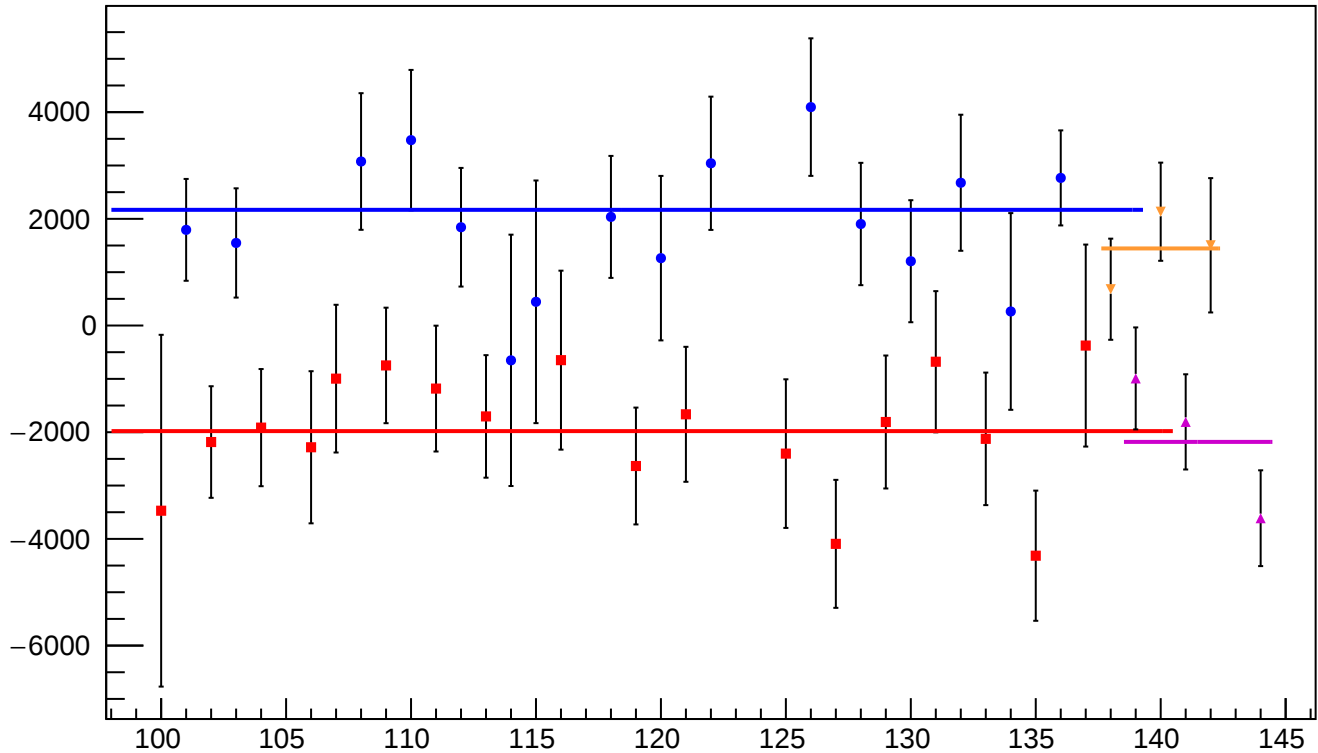


reg_asym_us_avg_mean vs Slug



Right In: 2168.910+/-308.001

χ^2/NDF : 9.6/15

+ sign 2011.700+/-272.513

χ^2/NDF : 12.0/18

Left Out: 1444.977+/-584.786

χ^2/NDF : 1.2/2

All: -90.753+/-188.742

χ^2/NDF : 143.0/39

Right Out: -1979.368+/-301.309

χ^2/NDF : 12.2/17

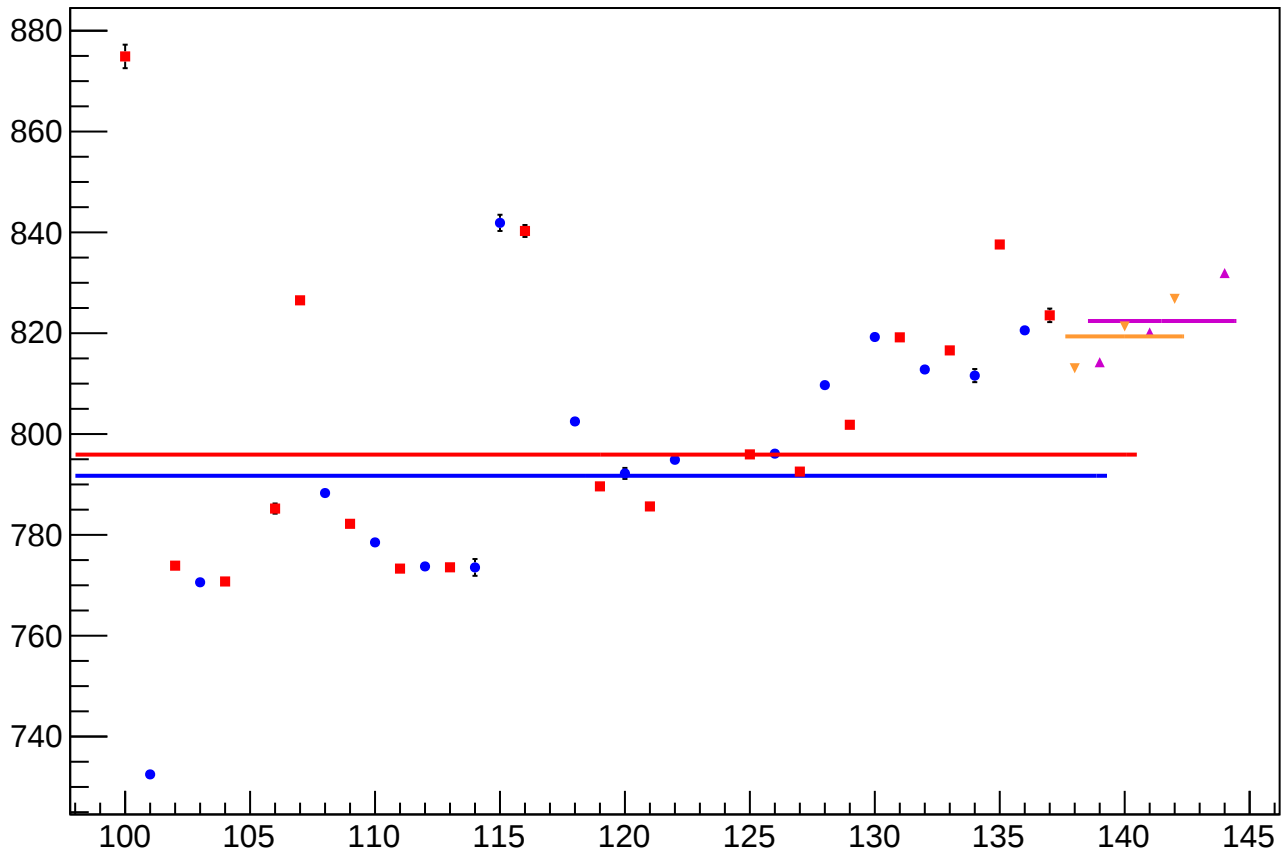
- sign -2029.090+/-261.661

χ^2/NDF : 16.6/20

Left In: -2181.608+/-527.715

χ^2/NDF : 4.3/2

reg_asym_us_avg_rms vs Slug



Right In: 791.722+/-0.218 χ^2/NDF : 15122.0/15

Left Out: 819.366+/-0.414 χ^2/NDF : 168.1/2

Right Out: 795.921+/-0.213 χ^2/NDF : 11575.2/17

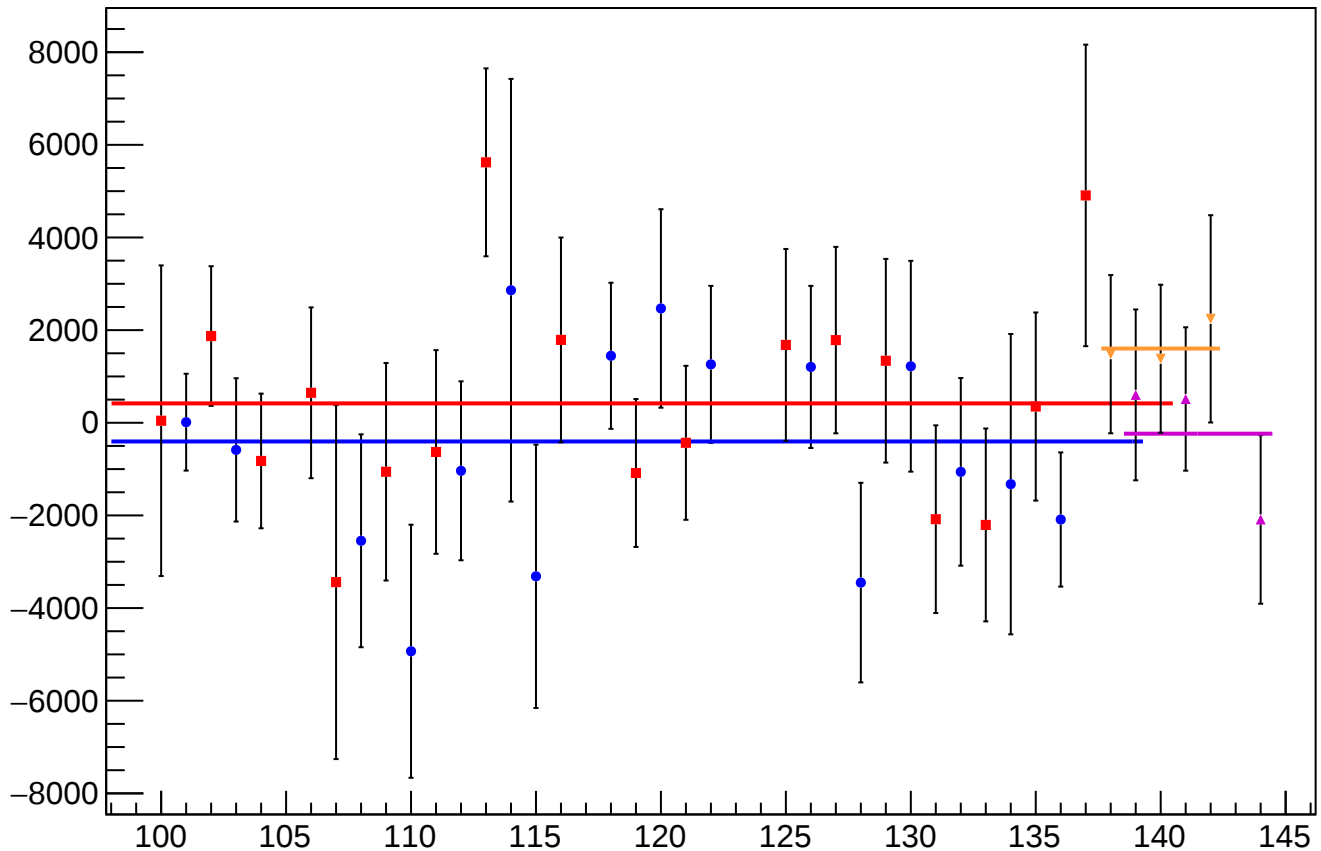
Left In: 822.423+/-0.373 χ^2/NDF : 383.7/2

+ sign 797.725+/-0.193 χ^2/NDF : 18788.7/18

All: 800.177+/-0.133 χ^2/NDF : 34862.6/39

- sign 802.437+/-0.185 χ^2/NDF : 15762.8/20

asym_us_avg_correction_mean vs Slug



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

Left Out: 1602.597 ± 1034.559 χ^2/NDF : 0.1/2

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

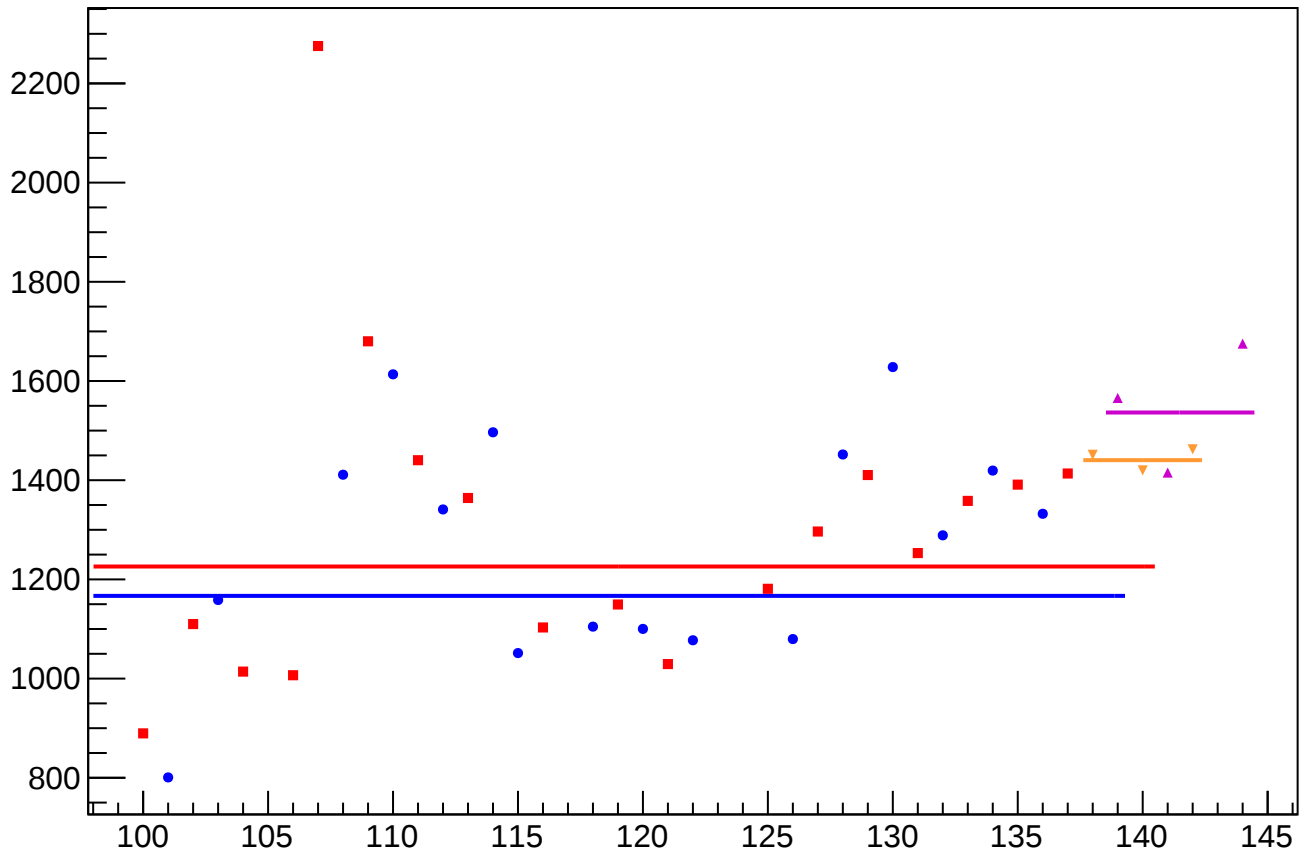
Left In: -235.495 ± 993.253 χ^2/NDF : 1.5/2

+ sign -65.605 ± 424.474 χ^2/NDF : 17.7/18

All: 114.481 ± 301.269 χ^2/NDF : 37.4/39

- sign 297.283 ± 427.663 χ^2/NDF : 19.3/20

asym_us_avg_correction_rms vs Slug



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

Left Out: 1440.416+/-0.732 χ^2/NDF : 605.5/2

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

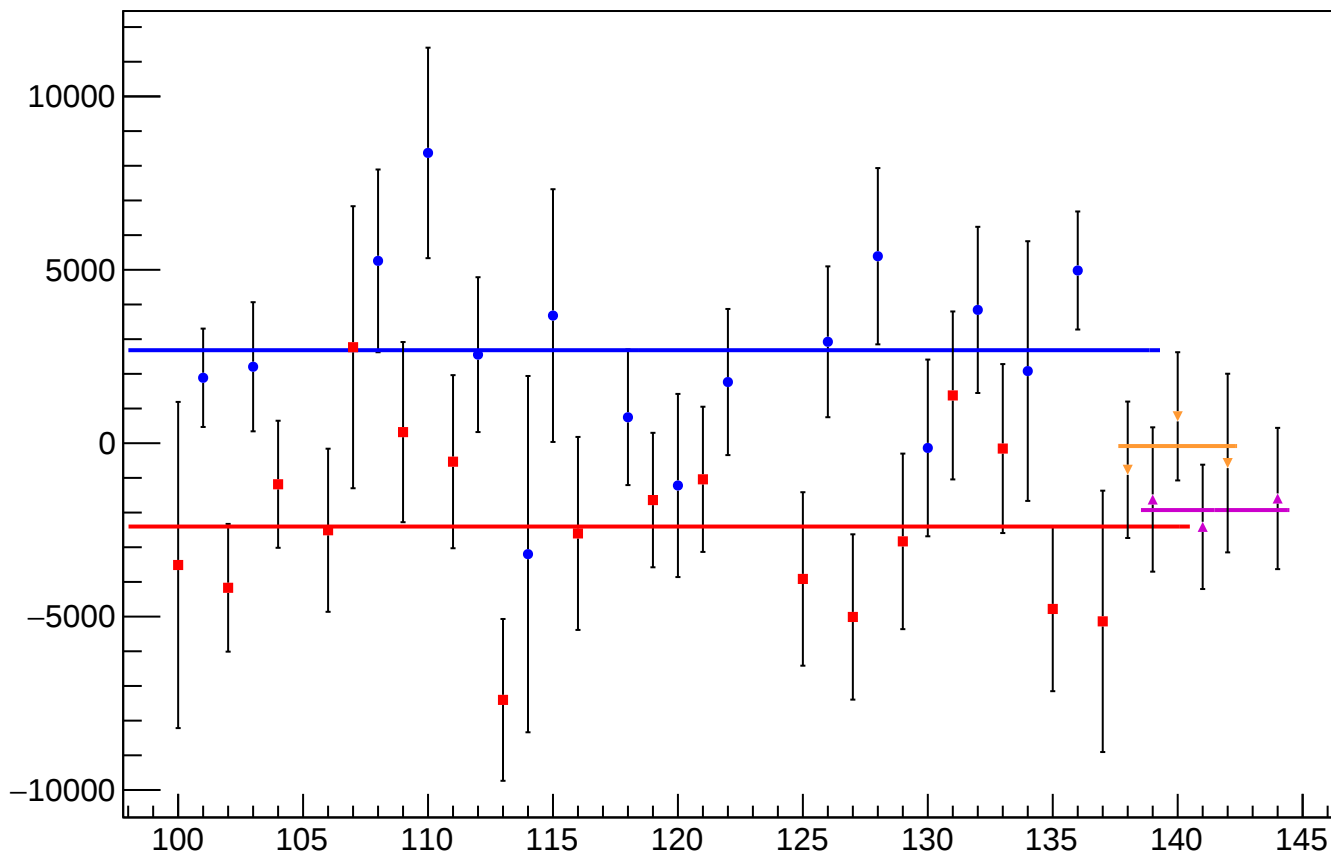
Left In: 1536.494+/-0.702 χ^2/NDF : 24413.0/2

+ sign 1212.844+/-0.300 χ^2/NDF : 646762.8/18

All: 1247.936+/-0.213 χ^2/NDF : 1299321.6/39

- sign 1283.557+/-0.302 χ^2/NDF : 625014.3/20

asym_us_avg_mean vs Slug



Right In: 2681.840 ± 568.598 $\chi^2/\text{NDF}: 14.0/15$

Left Out: -81.974 ± 1193.718 $\chi^2/\text{NDF}: 0.4/2$

Right Out: -2402.934 ± 570.326 $\chi^2/\text{NDF}: 16.3/17$

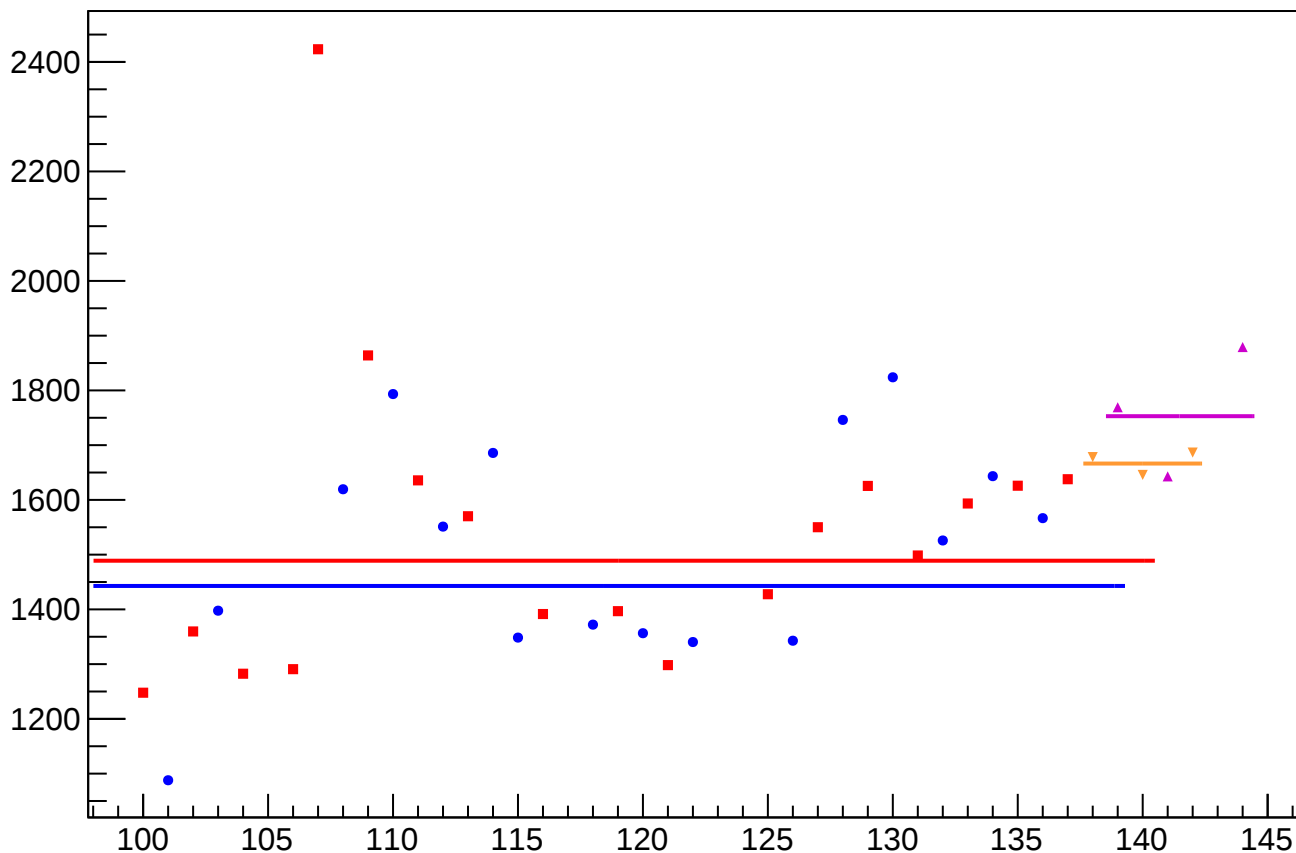
Left In: -1927.803 ± 1130.027 $\chi^2/\text{NDF}: 0.1/2$

+ sign 2170.733 ± 513.338 $\chi^2/\text{NDF}: 18.8/18$

All: -86.191 ± 361.496 $\chi^2/\text{NDF}: 73.7/39$

- sign -2306.477 ± 509.154 $\chi^2/\text{NDF}: 16.5/20$

asym_us_avg_rms vs Slug



Right In: 1442.805+/-0.402 χ^2/NDF : 278289.5/15

Left Out: 1666.396+/-0.844 χ^2/NDF : 445.7/2

Right Out: 1488.914+/-0.403 χ^2/NDF : 256704.3/17

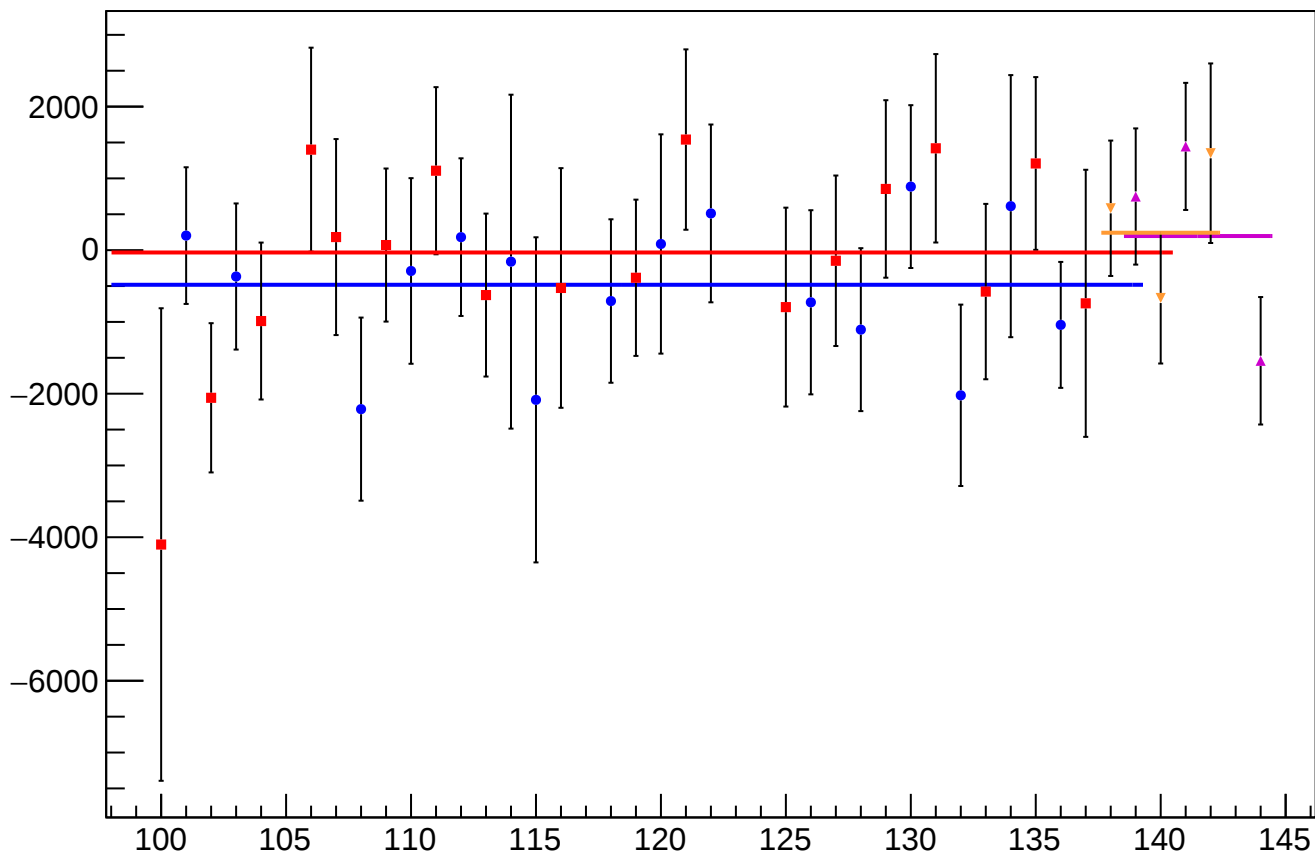
Left In: 1752.914+/-0.799 χ^2/NDF : 15339.8/2

+ sign 1484.154+/-0.363 χ^2/NDF : 335926.4/18

All: 1513.570+/-0.256 χ^2/NDF : 707997.5/39

- sign 1542.509+/-0.360 χ^2/NDF : 359042.7/20

reg_asym_us_dd_mean vs Slug



Right In: -482.437+/-305.341 χ^2/NDF : 8.2/15

Left Out: 242.873+/-580.989 χ^2/NDF : 1.9/2

Right Out: -32.457+/-298.450 χ^2/NDF : 13.6/17

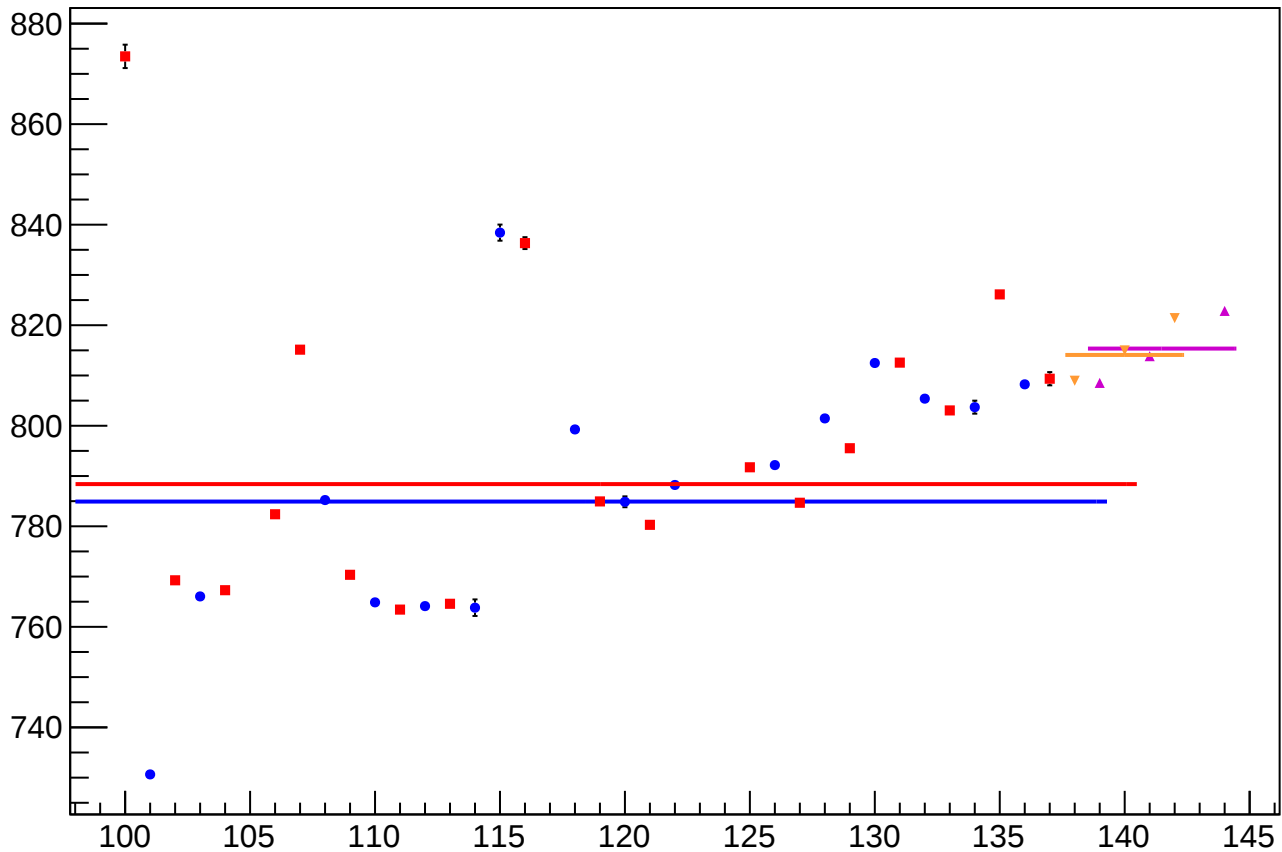
Left In: 196.831+/-523.144 χ^2/NDF : 6.2/2

+ sign -325.460+/-270.287 χ^2/NDF : 11.3/18

All: -143.518+/-187.091 χ^2/NDF : 32.0/39

- sign 23.844+/-259.232 χ^2/NDF : 19.9/20

reg_asym_us_dd_rms vs Slug



Right In: 784.921 ± 0.216 $\chi^2/\text{NDF}: 13814.6/15$

Left Out: 814.086 ± 0.411 $\chi^2/\text{NDF}: 129.7/2$

Right Out: 788.394 ± 0.211 $\chi^2/\text{NDF}: 10968.1/17$

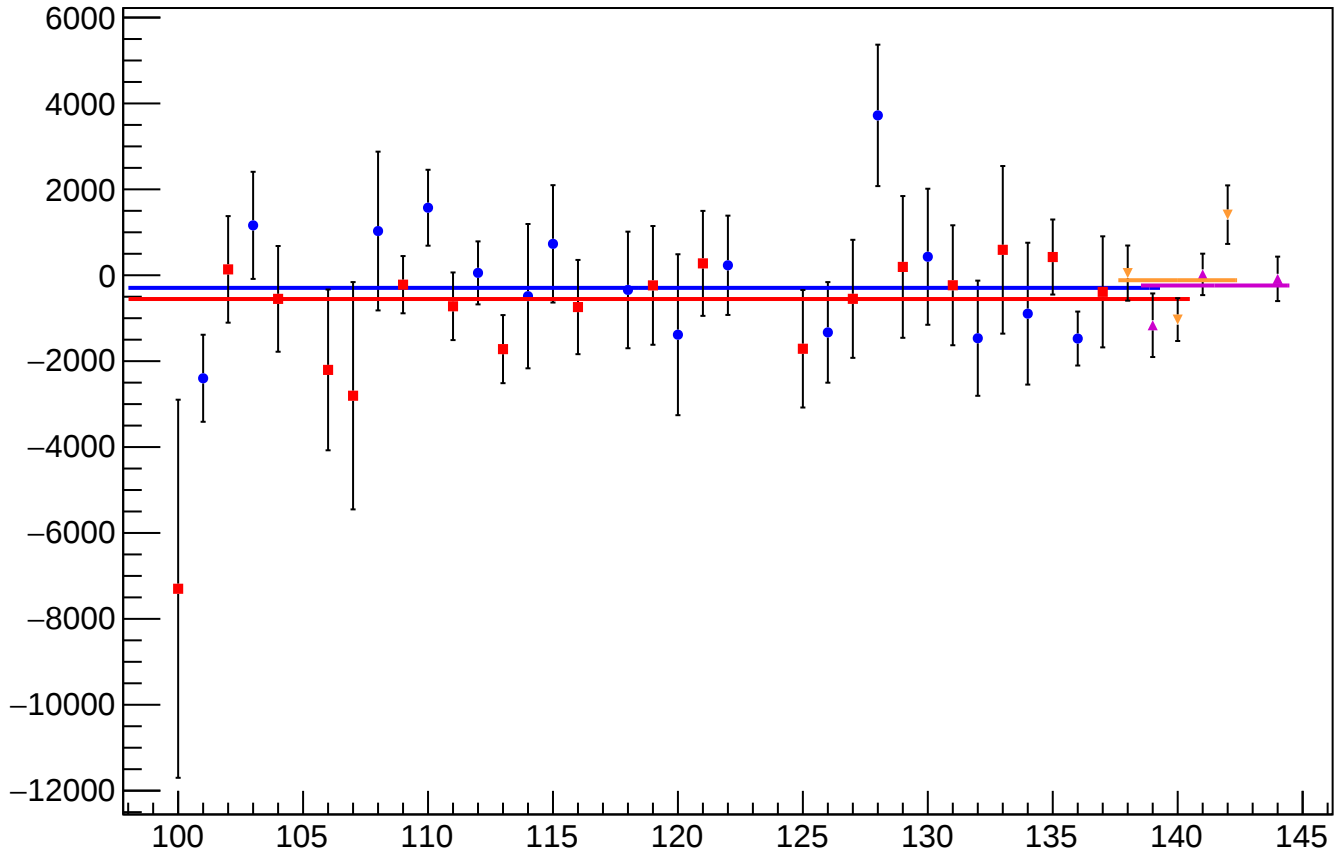
Left In: 815.353 ± 0.370 $\chi^2/\text{NDF}: 251.8/2$

+ sign 791.233 ± 0.191 $\chi^2/\text{NDF}: 17893.4/18$

All: 793.202 ± 0.132 $\chi^2/\text{NDF}: 33324.1/39$

- sign 795.014 ± 0.183 $\chi^2/\text{NDF}: 15226.9/20$

asym_us_dd_correction_mean vs Slug



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

Left Out: -115.733 ± 340.974 χ^2/NDF : 8.5/2

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

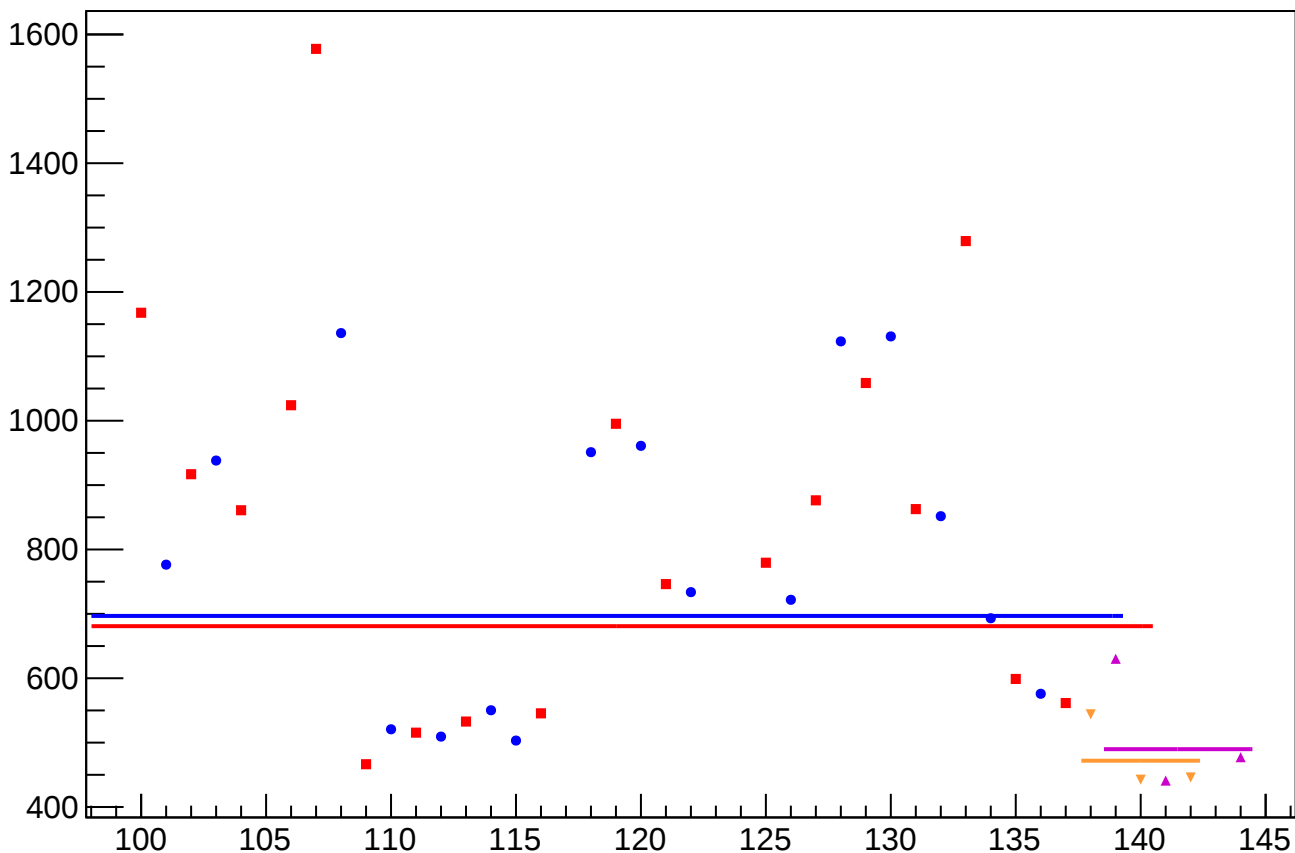
Left In: -238.499 ± 318.450 χ^2/NDF : 1.9/2

+ sign -221.095 ± 217.852 χ^2/NDF : 32.0/18

All: -325.281 ± 150.215 χ^2/NDF : 44.7/39

- sign -419.714 ± 207.404 χ^2/NDF : 12.3/20

asym_us_dd_correction_rms vs Slug



Right In: 696.803 $\pm$ 0.200 χ^2 /NDF: 963973.0/15

Left Out: 471.918 $\pm$ 0.241 χ^2 /NDF: 35086.3/2

Right Out: 680.884 $\pm$ 0.193 χ^2 /NDF: 1353667.8/17

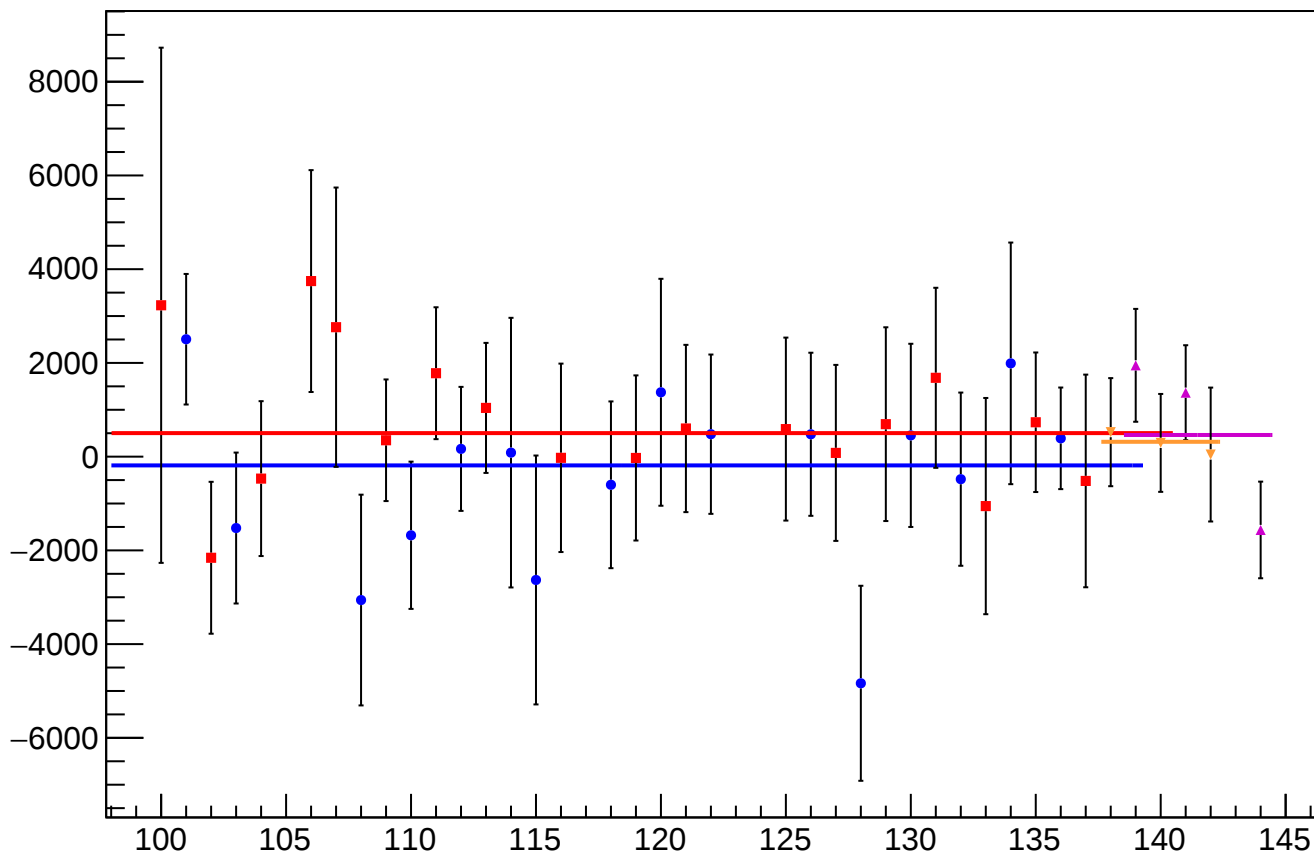
Left In: 489.826 $\pm$ 0.225 χ^2 /NDF: 93608.0/2

+ sign 605.003 $\pm$ 0.154 χ^2 /NDF: 1513906.7/18

All: 602.295 $\pm$ 0.106 χ^2 /NDF: 3376311.1/39

- sign 599.841 $\pm$ 0.147 χ^2 /NDF: 1861815.3/20

asym_us_dd_mean vs Slug



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

Left Out: 316.821 ± 680.646 χ^2/NDF : 0.1/2

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

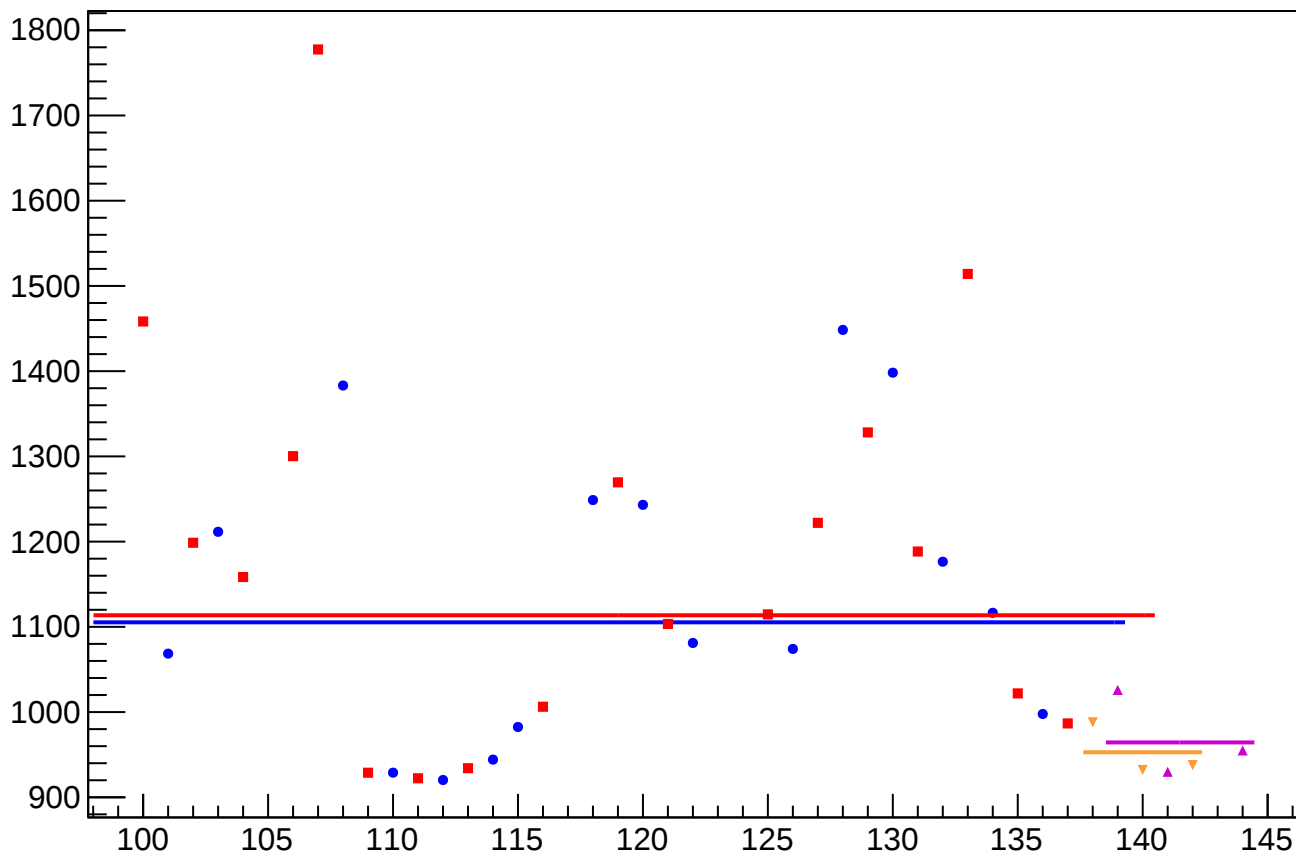
Left In: 462.325 ± 619.386 χ^2/NDF : 6.2/2

+ sign -40.822 ± 366.451 χ^2/NDF : 15.2/18

All: 234.844 ± 253.908 χ^2/NDF : 30.5/39

- sign 489.394 ± 352.136 χ^2/NDF : 14.2/20

asym_us_dd_rms vs Slug



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

Left Out: 952.851+/-0.481 χ^2/NDF : 2868.7/2

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

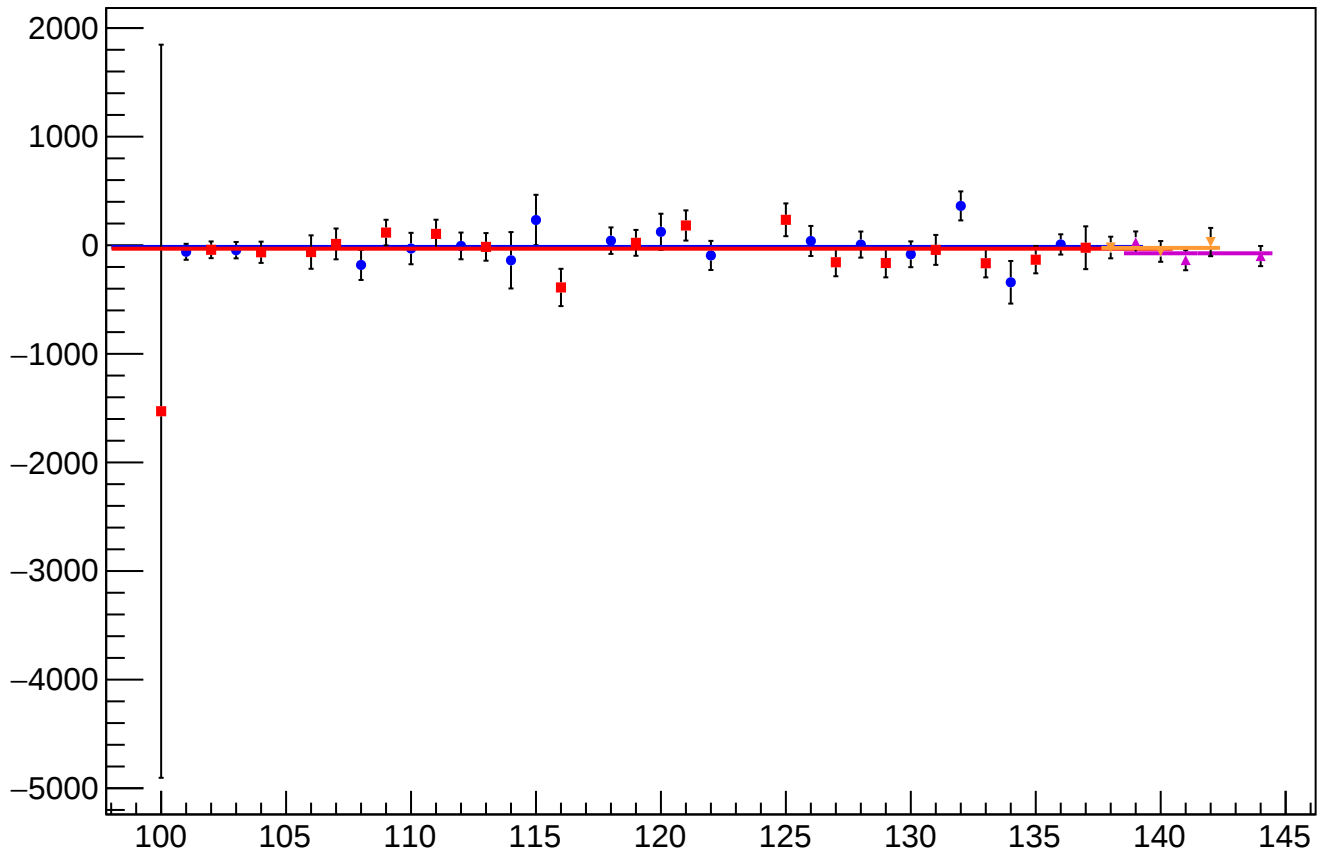
Left In: 964.395+/-0.438 χ^2/NDF : 7718.9/2

+ sign 1061.120+/-0.259 χ^2/NDF : 332182.5/18

All: 1063.327+/-0.180 χ^2/NDF : 782913.4/39

- sign 1065.365+/-0.249 χ^2/NDF : 450591.4/20

reg_asym_ds_avg_mean vs Slug



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

Left Out: -24.452 +/- 60.900 χ^2/NDF : 0.3/2

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

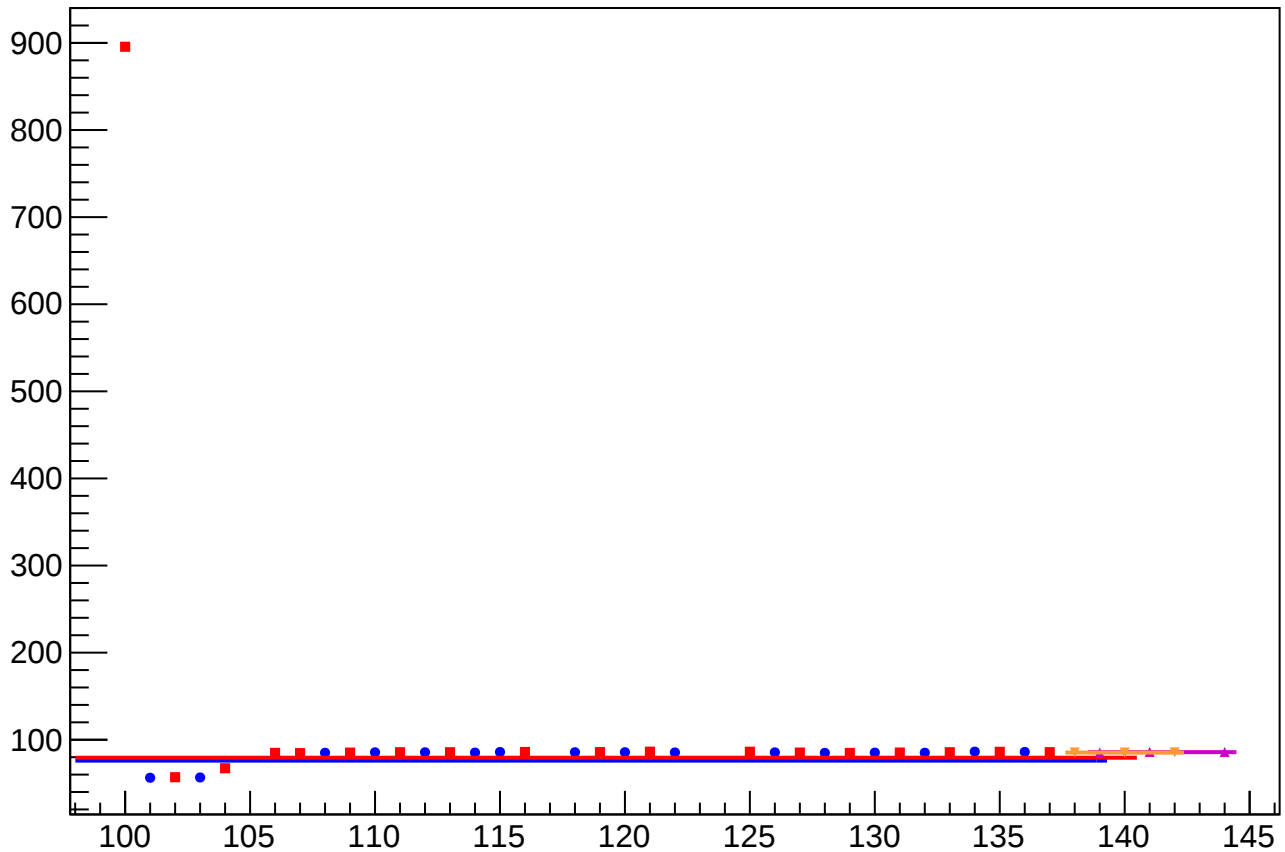
Left In: -74.000 +/- 55.032 χ^2/NDF : 1.5/2

+ sign -17.292 +/- 26.935 χ^2/NDF : 16.3/18

All: -29.605 +/- 18.952 χ^2/NDF : 35.5/39

- sign -41.677 +/- 26.671 χ^2/NDF : 18.8/20

reg_asym_ds_avg_rms vs Slug



Right In: 76.053+/-0.021 χ^2/NDF : 408670.6/15

Left Out: 85.333+/-0.043 χ^2/NDF : 3.0/2

Right Out: 79.371+/-0.022 χ^2/NDF : 378257.4/17

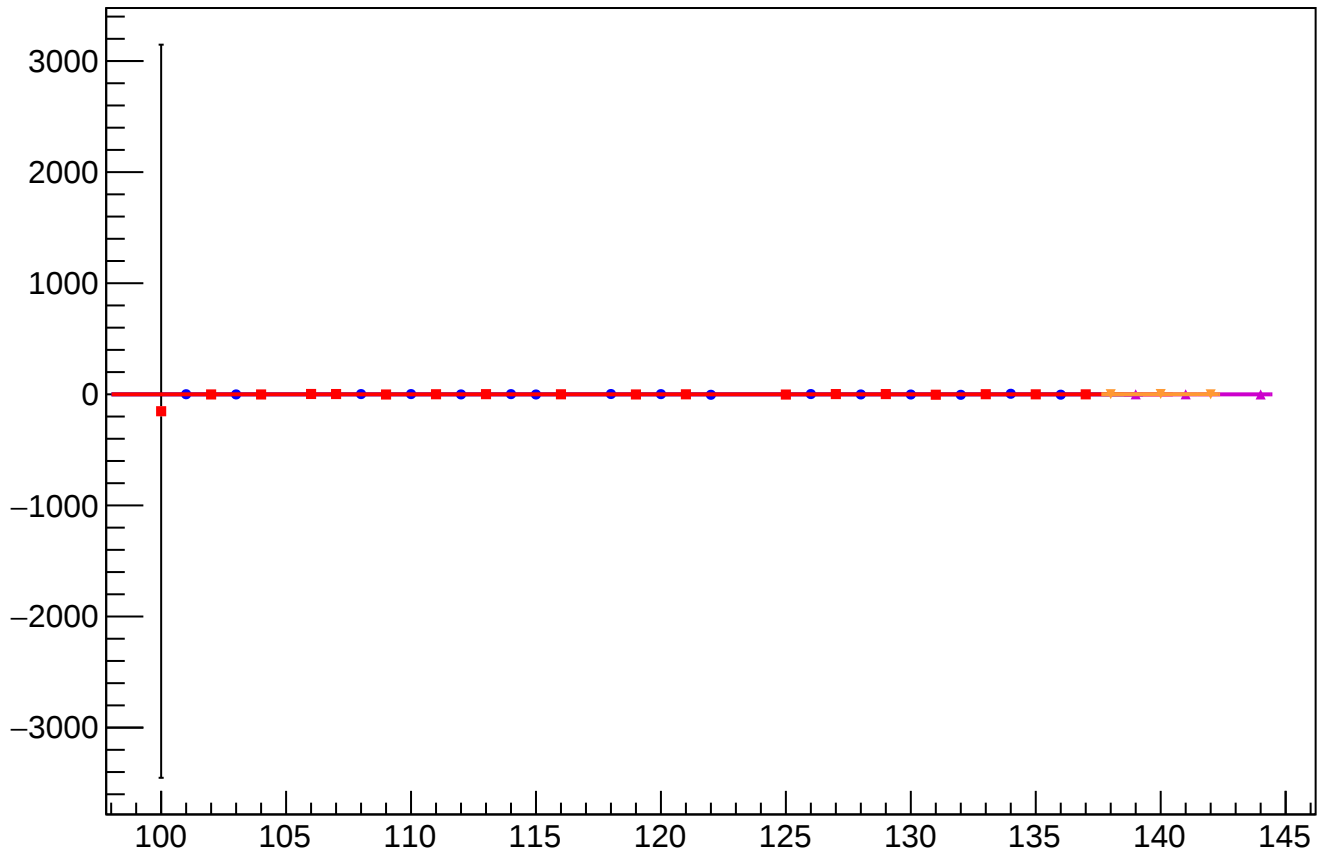
Left In: 85.772+/-0.039 χ^2/NDF : 72.8/2

+ sign 77.869+/-0.019 χ^2/NDF : 446026.6/18

All: 79.386+/-0.013 χ^2/NDF : 857631.9/39

- sign 80.874+/-0.019 χ^2/NDF : 399030.5/20

asym_ds_avg_correction_mean vs Slug



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

Left Out: 1.146 ± 1.123 χ^2/NDF : 1.1/2

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

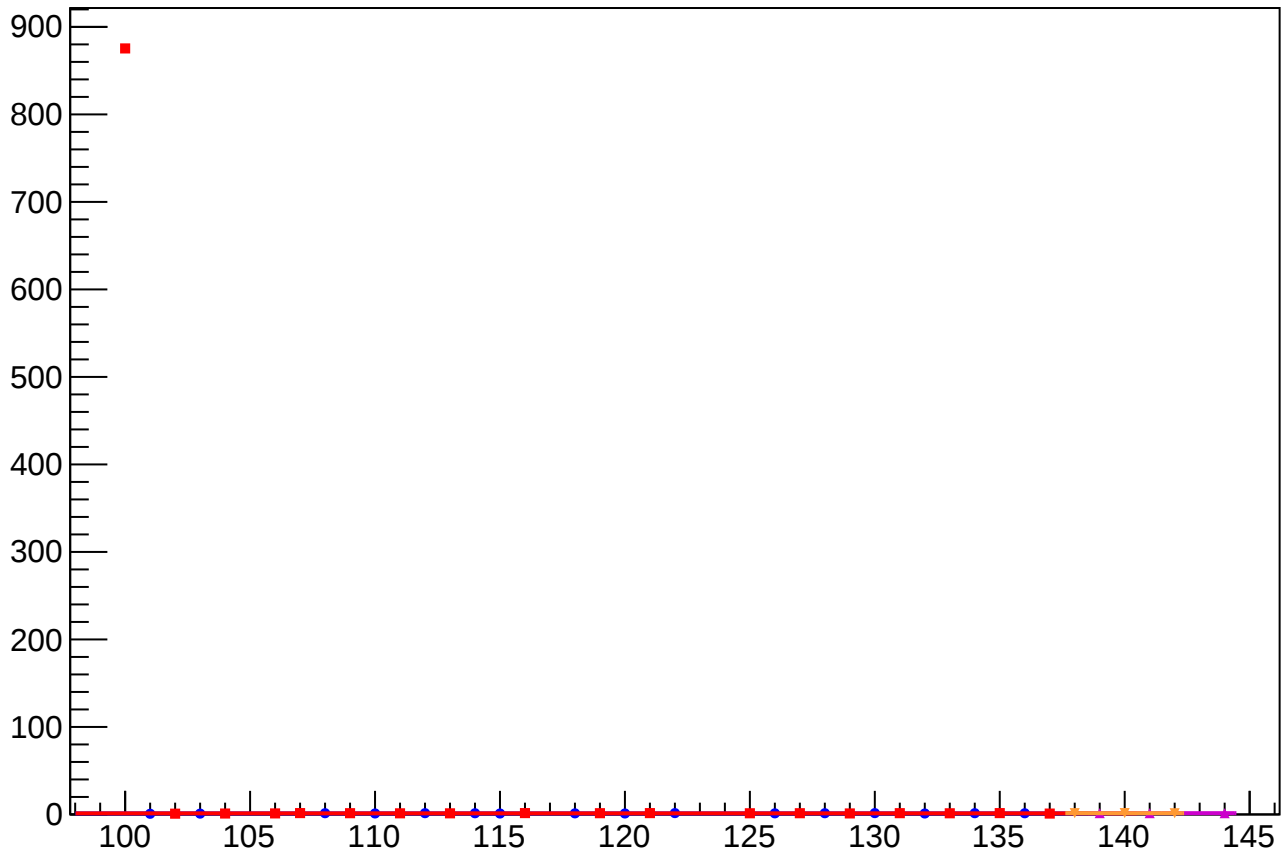
Left In: -0.276 ± 1.012 χ^2/NDF : 0.4/2

+ sign -0.051 ± 0.458 χ^2/NDF : 23.3/18

All: -0.069 ± 0.327 χ^2/NDF : 33.7/39

- sign -0.089 ± 0.466 χ^2/NDF : 10.4/20

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.475 $\pm$ 0.001 χ^2 /NDF: 9137.2/2

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

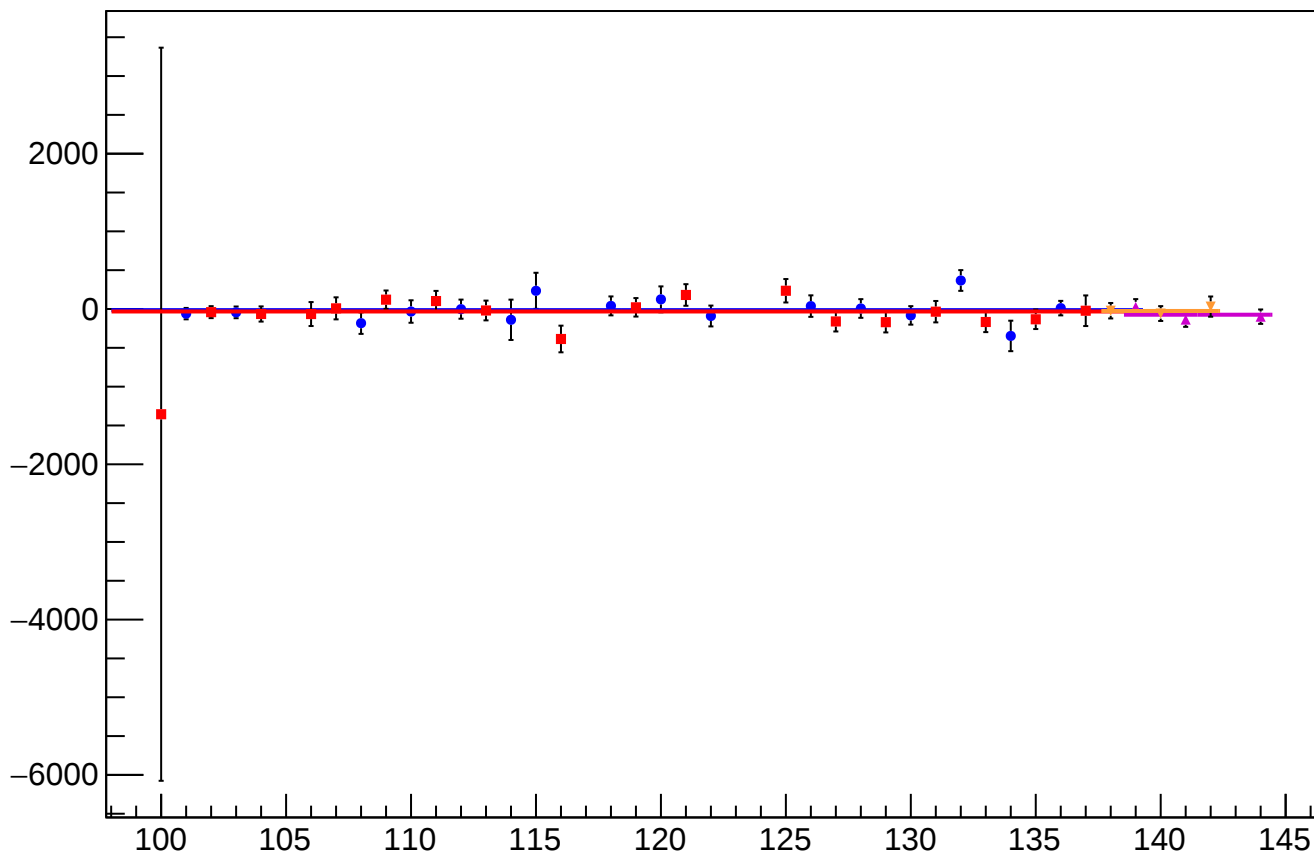
Left In: 1.478 $\pm$ 0.001 χ^2 /NDF: 2258.9/2

+ sign 1.206 $\pm$ 0.000 χ^2 /NDF: 652972.5/18

All: 1.255 $\pm$ 0.000 χ^2 /NDF: 1264768.4/39

- sign 1.305 $\pm$ 0.000 χ^2 /NDF: 565266.9/20

asym_ds_avg_mean vs Slug



Right In: -14.487 $\pm$ 30.040 χ^2 /NDF: 16.2/15

Left Out: -25.409 $\pm$ 60.916 χ^2 /NDF:0.3/2

Right Out: -32.033 $\pm$ 30.500 χ^2 /NDF: 16.8/17

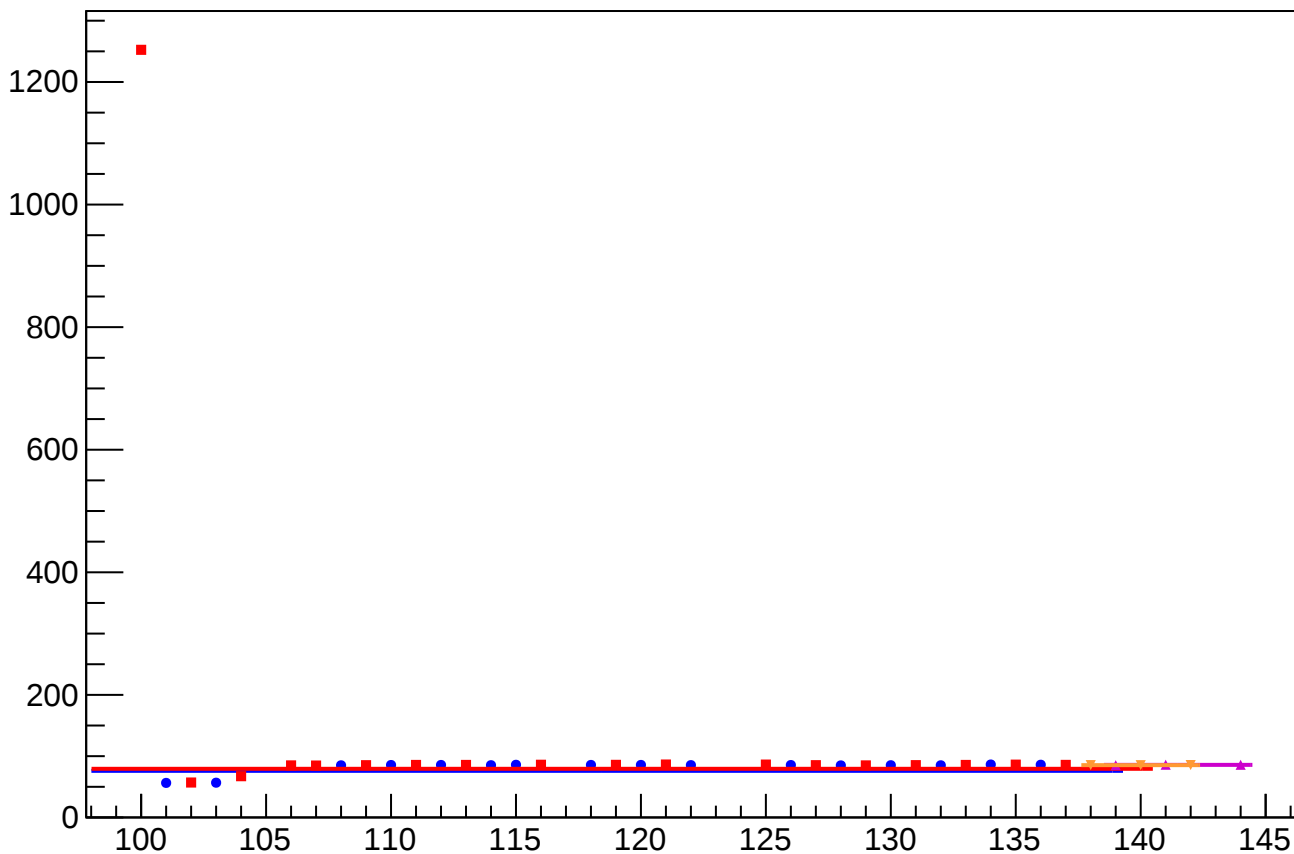
Left In: -73.686 $\pm$ 55.047 χ^2 /NDF:1.5/2

+ sign -16.624 $\pm$ 26.942 χ^2 /NDF: 16.6/18

All: -29.344 $\pm$ 18.957 χ^2 /NDF: 35.8/39

- sign -41.817 $\pm$ 26.679 χ^2 /NDF: 18.8/20

asym_ds_avg_rms vs Slug



Right In: 76.073+/-0.021 χ^2/NDF : 408699.5/15

Left Out: 85.356+/-0.043 χ^2/NDF : 3.0/2

Right Out: 79.374+/-0.022 χ^2/NDF : 384780.1/17

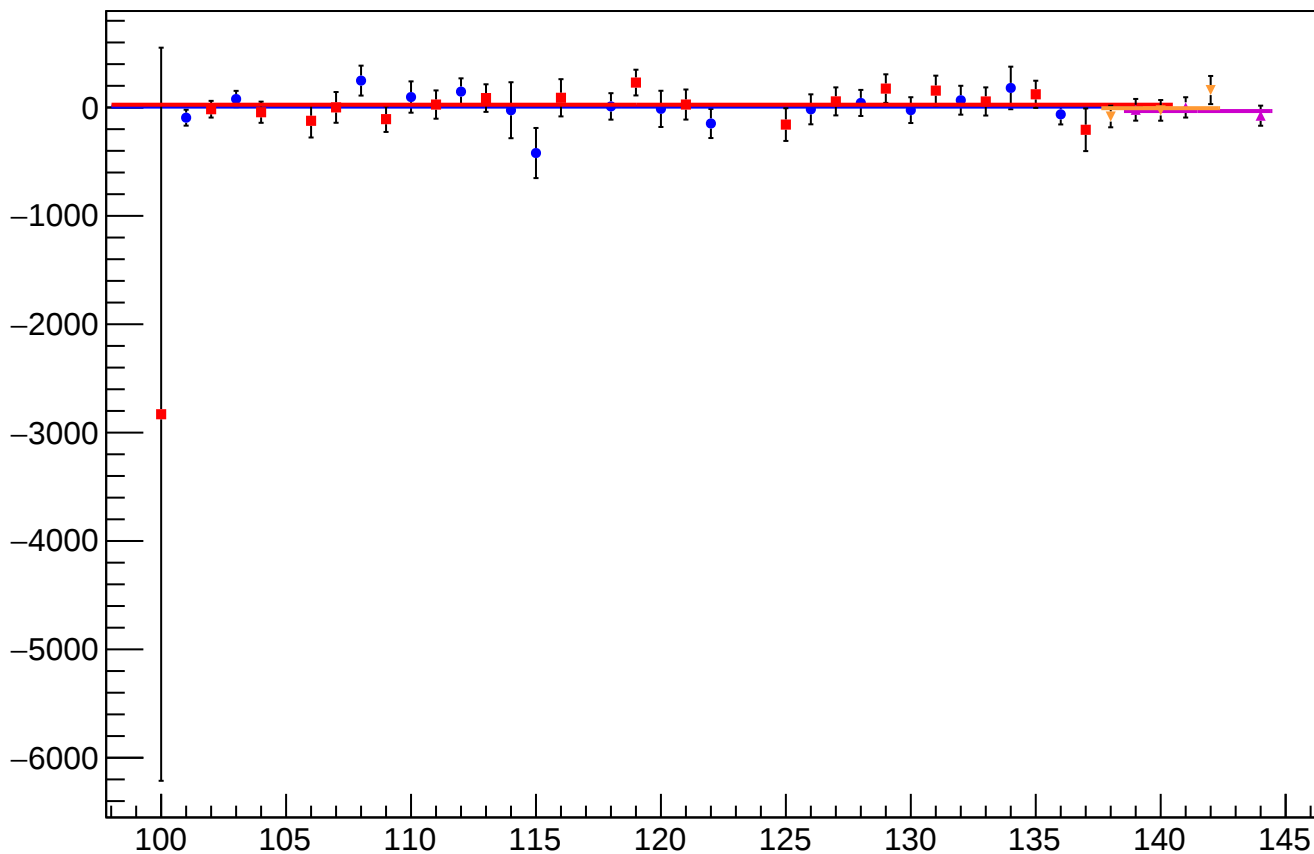
Left In: 85.795+/-0.039 χ^2/NDF : 73.3/2

+ sign 77.889+/-0.019 χ^2/NDF : 446060.0/18

All: 79.400+/-0.013 χ^2/NDF : 864198.0/39

- sign 80.882+/-0.019 χ^2/NDF : 405672.4/20

reg_asym_ds_dd_mean vs Slug



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

Left Out: -6.427 ± 60.892 χ^2/NDF : 2.3/2

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

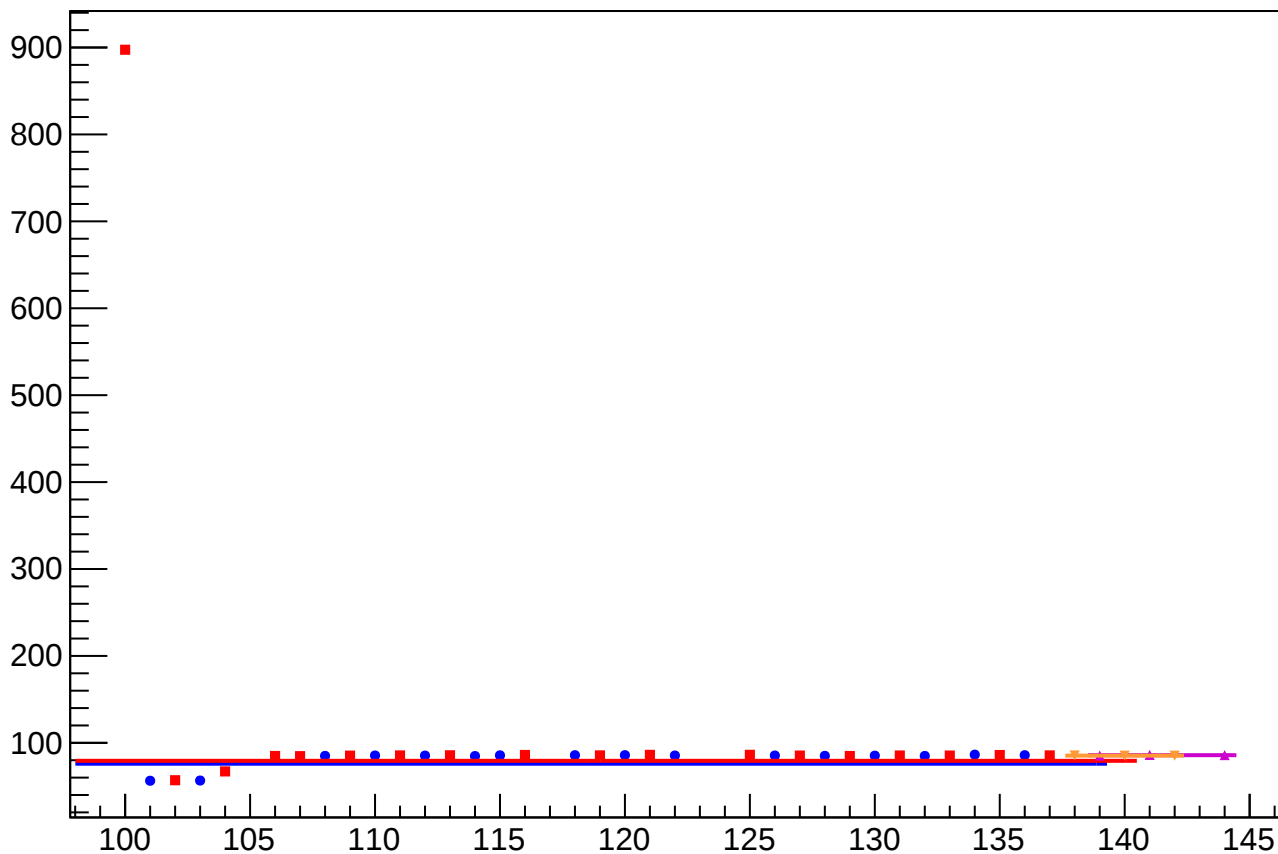
Left In: -32.805 ± 55.058 χ^2/NDF : 0.4/2

+ sign 5.271 ± 26.920 χ^2/NDF : 16.4/18

All: 8.687 ± 18.943 χ^2/NDF : 30.4/39

- sign 12.038 ± 26.662 χ^2/NDF : 14.0/20

reg_asym_ds_dd_rms vs Slug



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

Left Out: 85.322 $\pm$ 0.043 χ^2 /NDF: 6.8/2

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

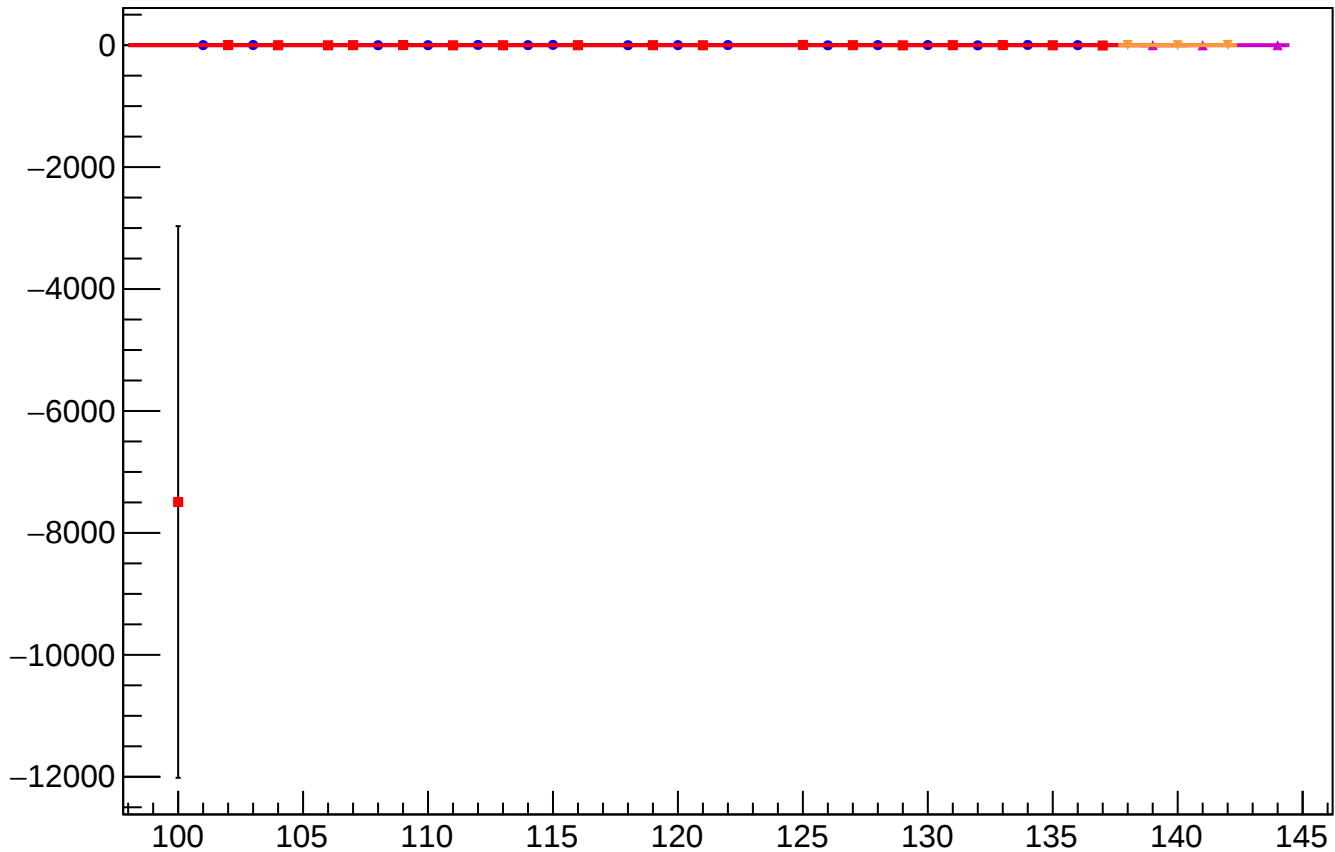
Left In: 85.812 $\pm$ 0.039 χ^2 /NDF: 72.5/2

+ sign 77.825 $\pm$ 0.019 χ^2 /NDF: 446014.0/18

All: 79.349 $\pm$ 0.013 χ^2 /NDF: 858148.1/39

- sign 80.844 $\pm$ 0.019 χ^2 /NDF: 399436.7/20

asym_ds_dd_correction_mean vs Slug



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

Left Out: 0.853 $\pm$ 1.115 χ^2/NDF : 2.1/2

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

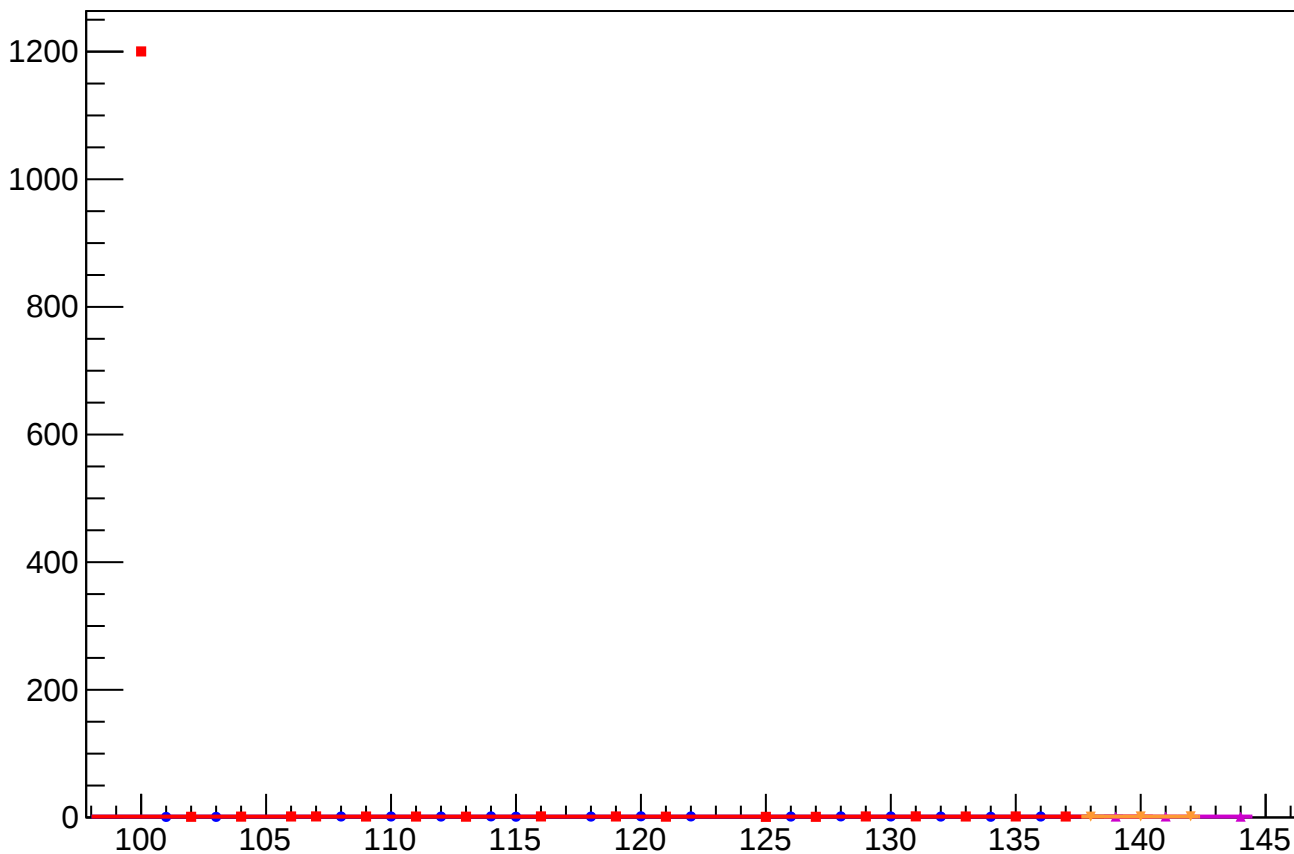
Left In: -0.477 $\pm$ 0.971 χ^2/NDF : 1.6/2

+ sign 0.885 $\pm$ 0.480 χ^2/NDF : 14.1/18

All: 0.251 $\pm$ 0.338 χ^2/NDF : 32.6/39

- sign -0.379 $\pm$ 0.478 χ^2/NDF : 15.1/20

asym_ds_dd_correction_rms vs Slug



Right In: 1.233 $\pm$ 0.000 χ^2 /NDF: 625758.9/15

Left Out: 1.442 $\pm$ 0.001 χ^2 /NDF: 54009.2/2

Right Out: 1.315 $\pm$ 0.000 χ^2 /NDF: 517133.0/17

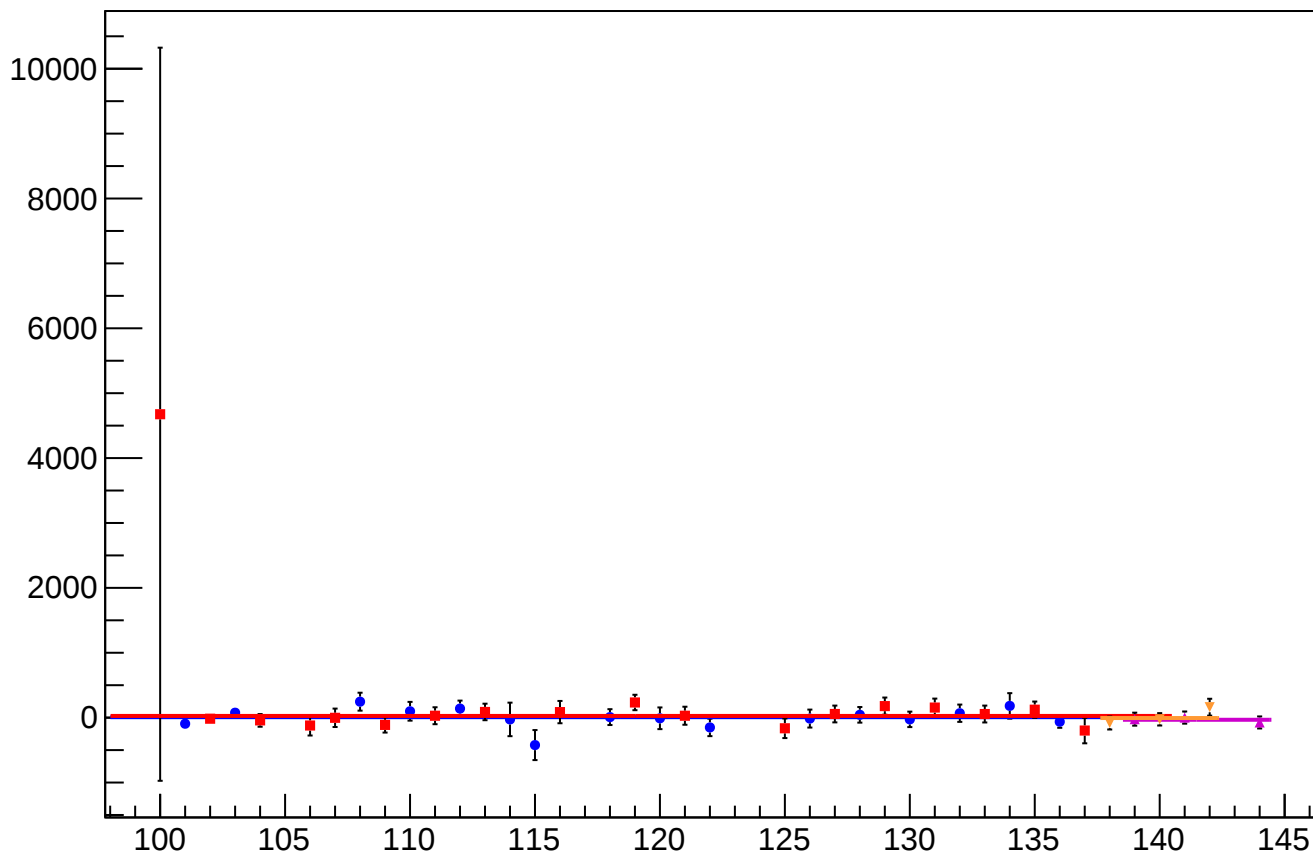
Left In: 1.383 $\pm$ 0.001 χ^2 /NDF: 31331.1/2

+ sign 1.272 $\pm$ 0.000 χ^2 /NDF: 737192.2/18

All: 1.302 $\pm$ 0.000 χ^2 /NDF: 1308640.8/39

- sign 1.332 $\pm$ 0.000 χ^2 /NDF: 555812.7/20

asym_ds_dd_mean vs Slug



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

Left Out: -6.029+/-60.909 χ^2/NDF : 2.3/2

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

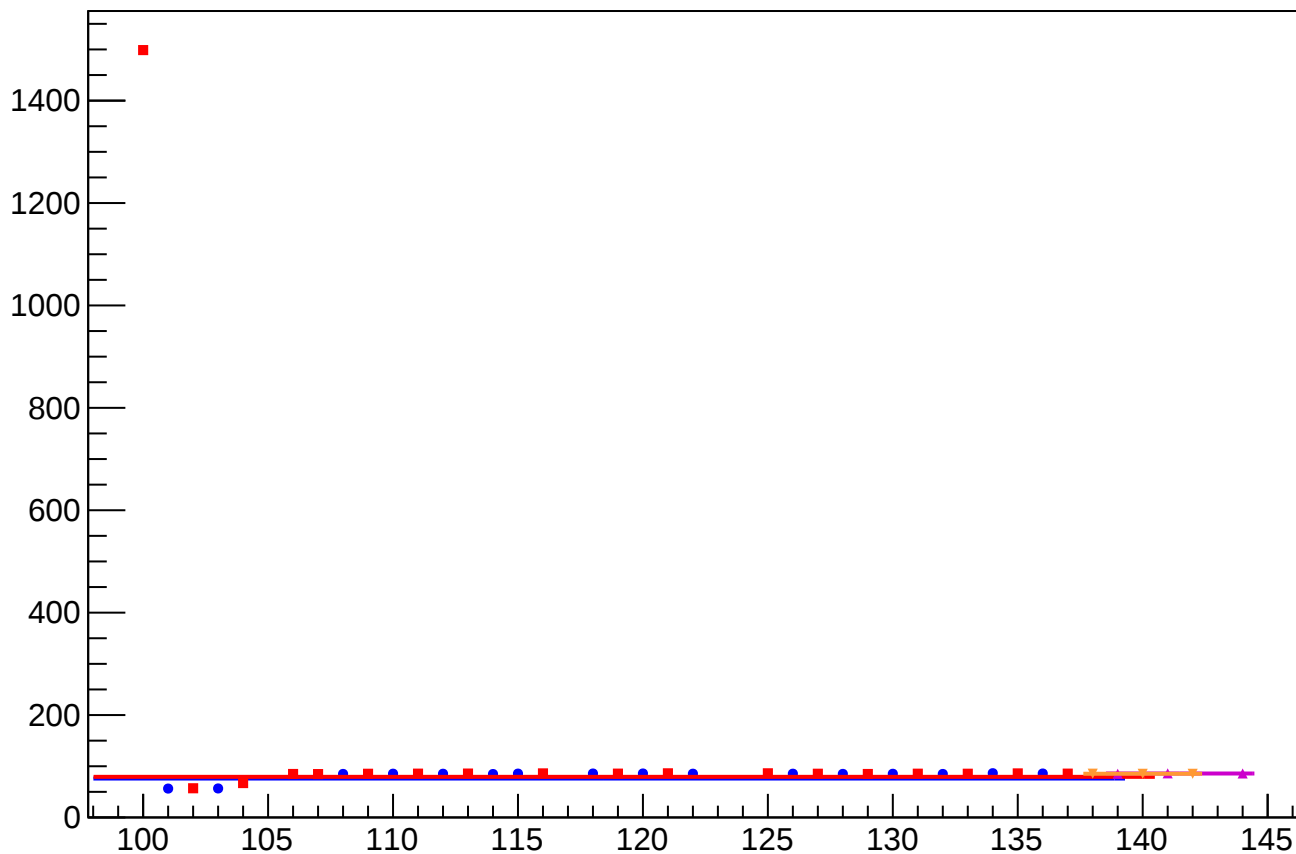
Left In: -32.801+/-55.074 χ^2/NDF : 0.3/2

+ sign 4.780+/-26.927 χ^2/NDF : 16.2/18

All: 8.680+/-18.949 χ^2/NDF : 30.5/39

- sign 12.505+/-26.669 χ^2/NDF : 14.2/20

asym_ds_dd_rms vs Slug



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

Left Out: 85.346 $\pm$ 0.043 χ^2 /NDF: 6.5/2

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

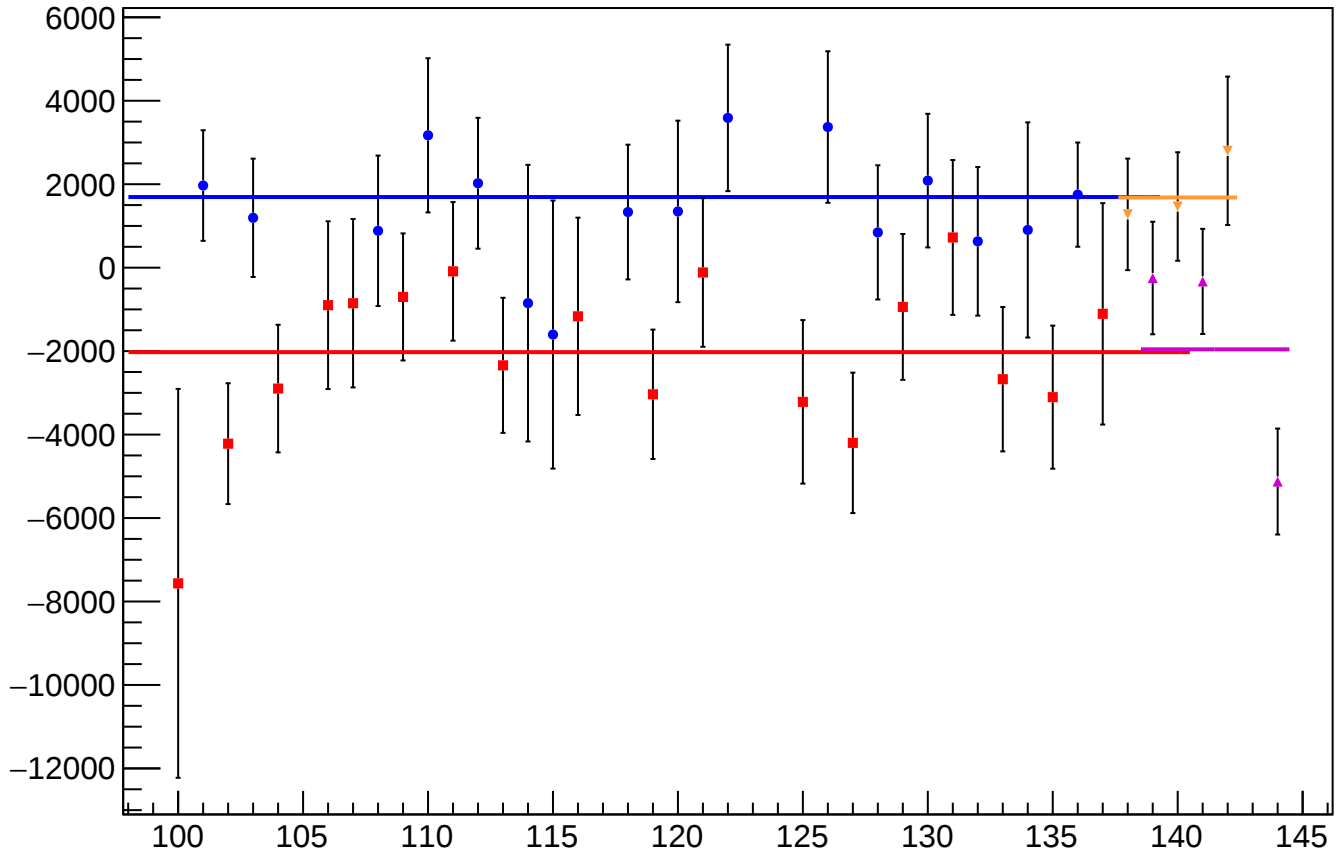
Left In: 85.836 $\pm$ 0.039 χ^2 /NDF: 72.5/2

+ sign 77.846 $\pm$ 0.019 χ^2 /NDF: 446066.8/18

All: 79.361 $\pm$ 0.013 χ^2 /NDF: 867465.3/39

- sign 80.847 $\pm$ 0.019 χ^2 /NDF: 408861.0/20

reg_asym_usl_mean vs Slug



Right In: 1692.799 $\pm$ 431.563 χ^2 /NDF: 5.6/15

Left Out: 1681.379 $\pm$ 825.637 χ^2 /NDF: 0.5/2

Right Out: -2024.185 $\pm$ 423.428 χ^2 /NDF: 13.8/17

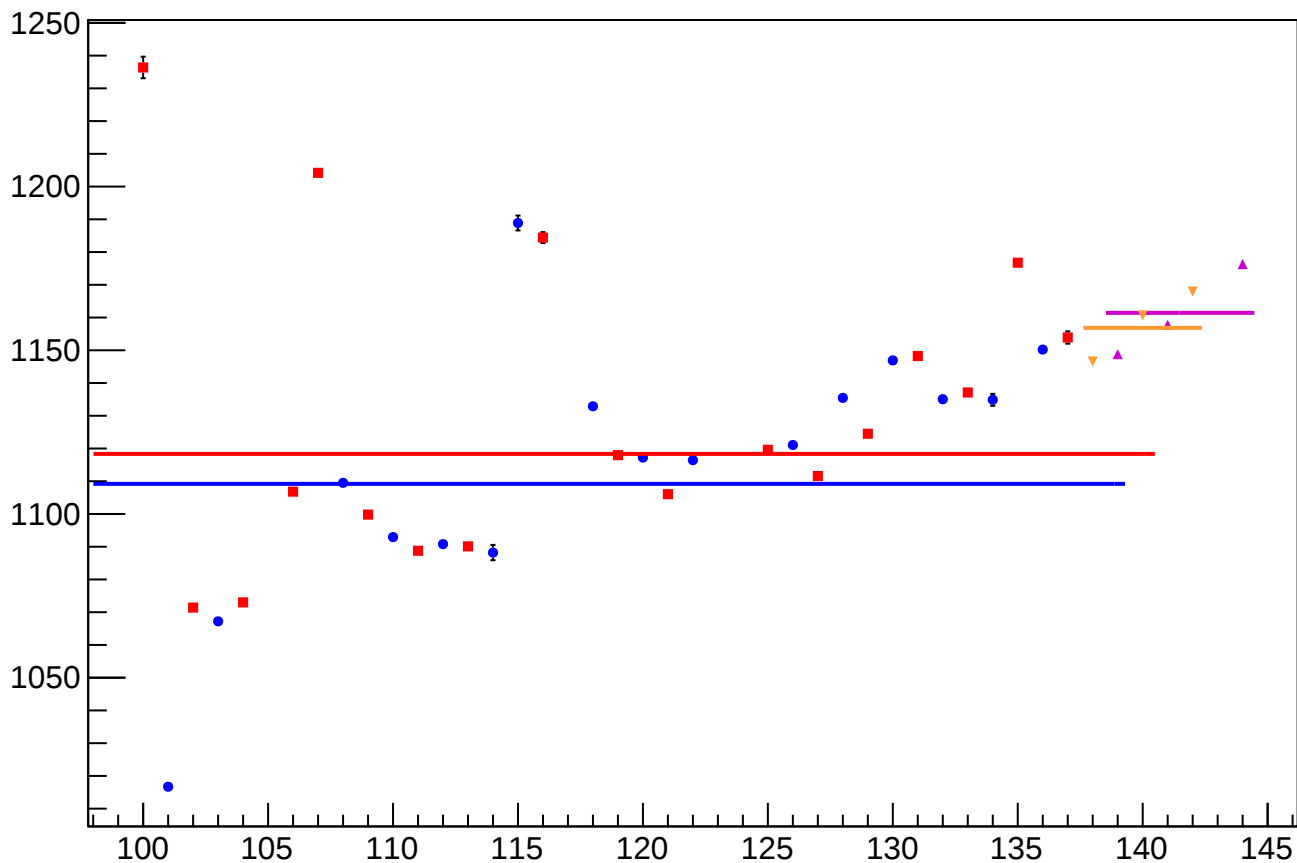
Left In: -1957.234 $\pm$ 745.227 χ^2 /NDF: 9.5/2

+ sign 1690.348 $\pm$ 382.466 χ^2 /NDF: 6.1/18

All: -229.247 $\pm$ 265.239 χ^2 /NDF: 78.0/39

- sign -2007.846 $\pm$ 368.152 χ^2 /NDF: 23.3/20

reg_asym_usl_rms vs Slug



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

Left Out: 1156.845 ± 0.584 χ^2/NDF : 212.9/2

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

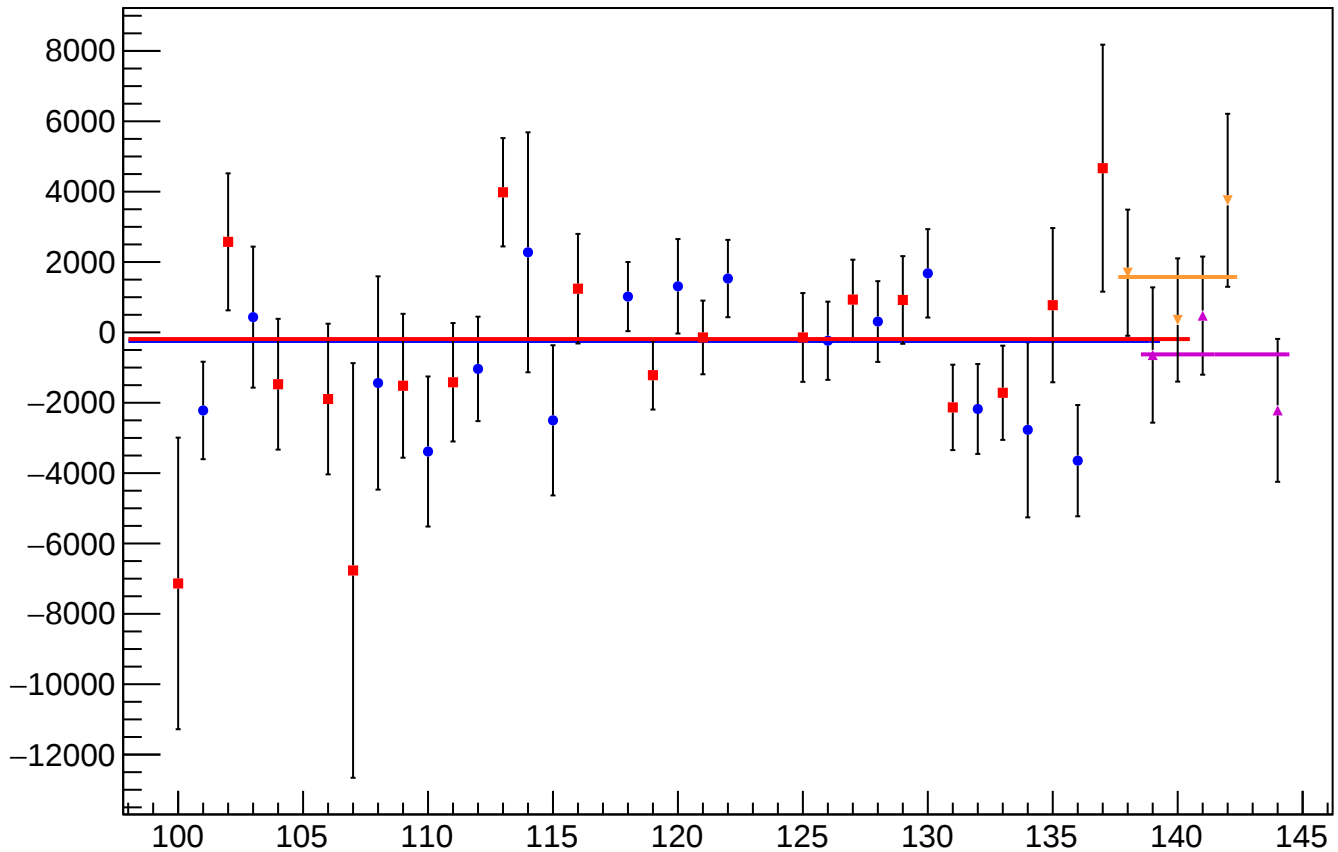
Left In: 1161.434 ± 0.527 χ^2/NDF : 467.0/2

+ sign 1119.427 ± 0.270 χ^2/NDF : 23684.9/18

All: 1124.326 ± 0.188 χ^2/NDF : 45356.8/39

- sign 1128.866 ± 0.260 χ^2/NDF : 21039.6/20

asym_usl_correction_mean vs Slug



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

Left Out: 1574.605+/-1116.370 χ^2/NDF : 1.3/2

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

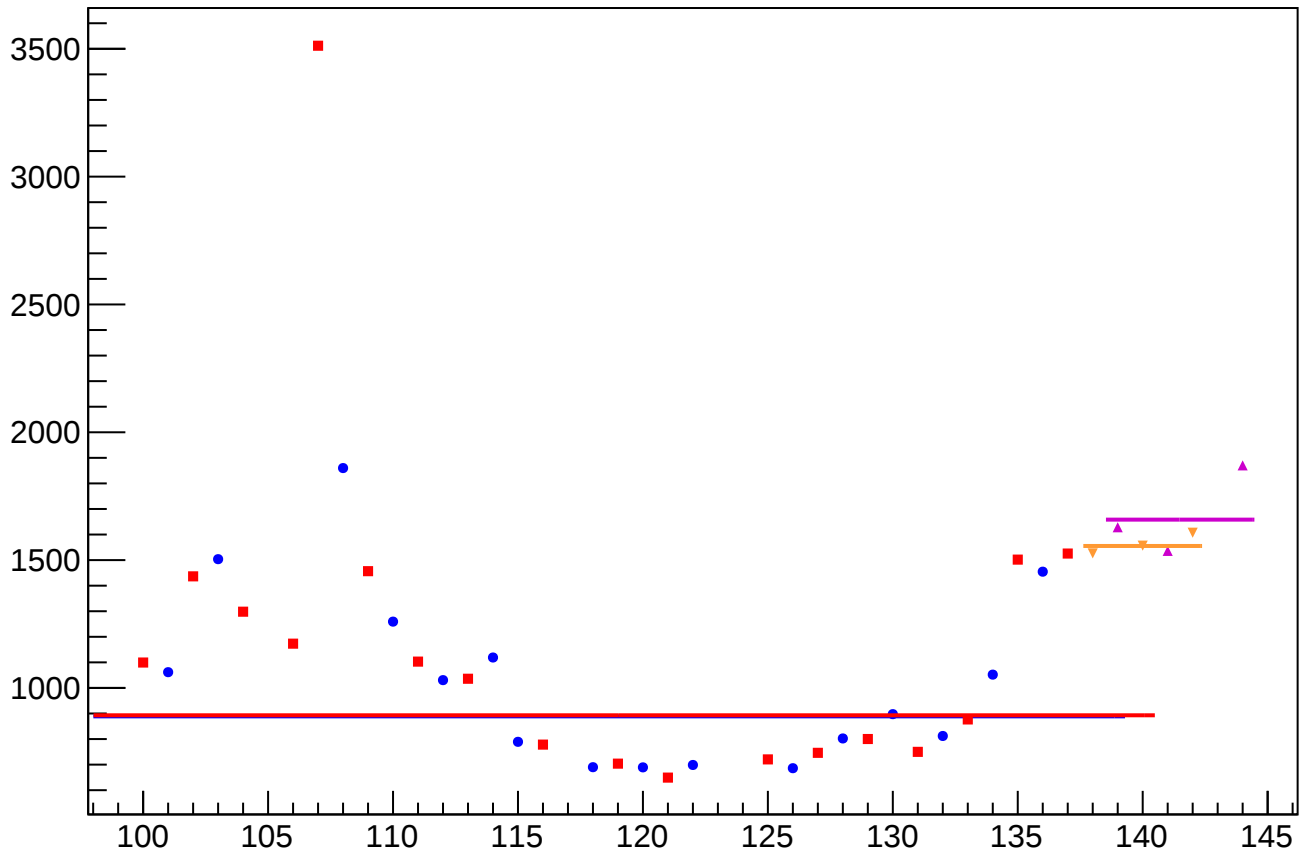
Left In: -624.742+/-1073.581 χ^2/NDF : 1.0/2

+ sign -70.497+/-343.907 χ^2/NDF : 26.2/18

All: -152.981+/-241.510 χ^2/NDF : 52.7/39

- sign -233.241+/-339.235 χ^2/NDF : 26.4/20

asym_usl_correction_rms vs Slug



Right In: 888.808+/-0.256 χ^2/NDF : 1052628.4/15

Left Out: 1555.281+/-0.789 χ^2/NDF :1412.8/2

Right Out: 892.975+/-0.253 χ^2/NDF : 1409163.7/17

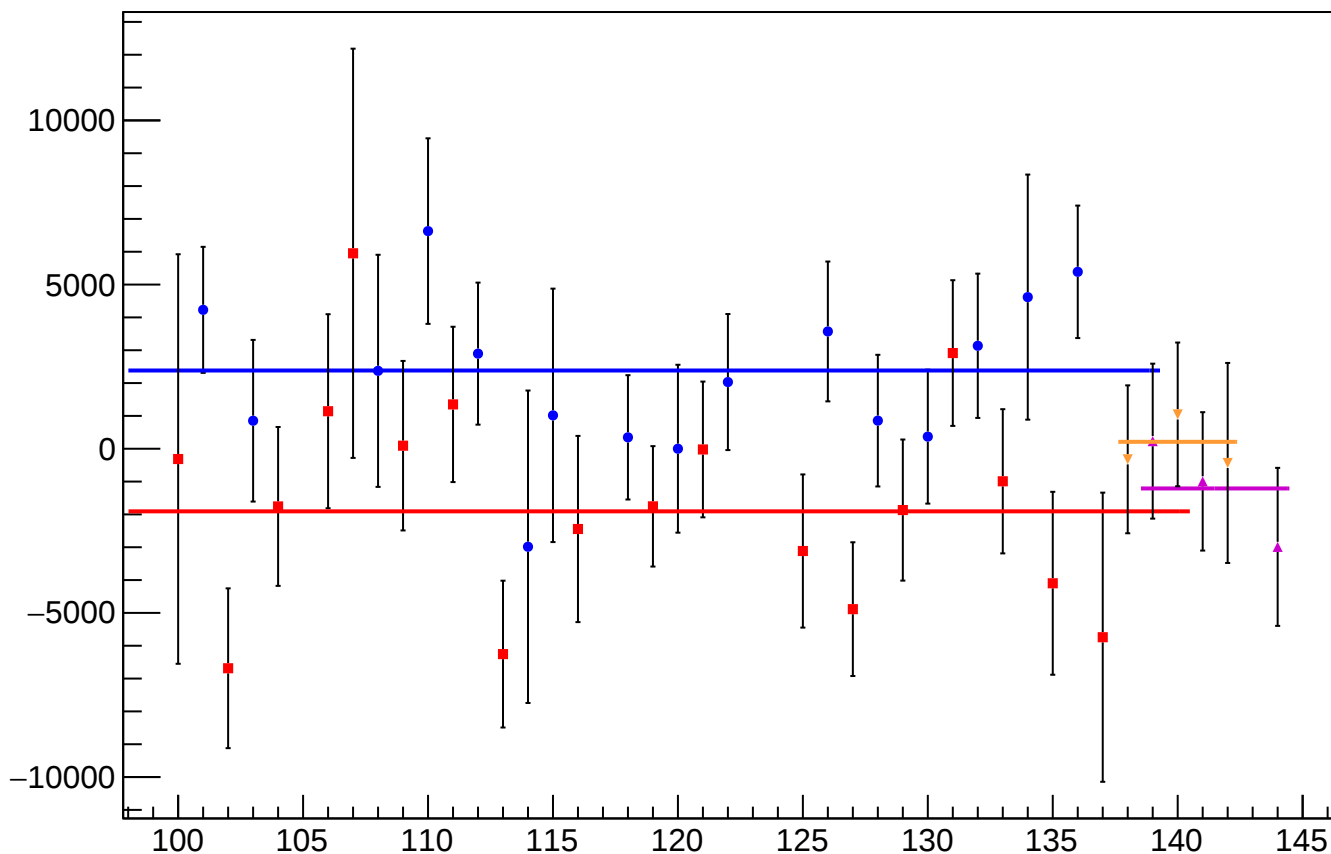
Left In: 1658.310+/-0.759 χ^2/NDF :32923.0/2

+ sign 952.056+/-0.243 χ^2/NDF : 1699213.3/18

All: 960.842+/-0.171 χ^2/NDF : 4058789.1/39

- sign 969.391+/-0.240 χ^2/NDF : 2357000.4/20

asym_usl_mean vs Slug



Right In: 2382.736+/-590.698 χ^2/NDF : 11.6/15

Left Out: 210.492+/-1395.362 χ^2/NDF : 0.2/2

Right Out: -1906.871+/-584.955 χ^2/NDF : 22.4/17

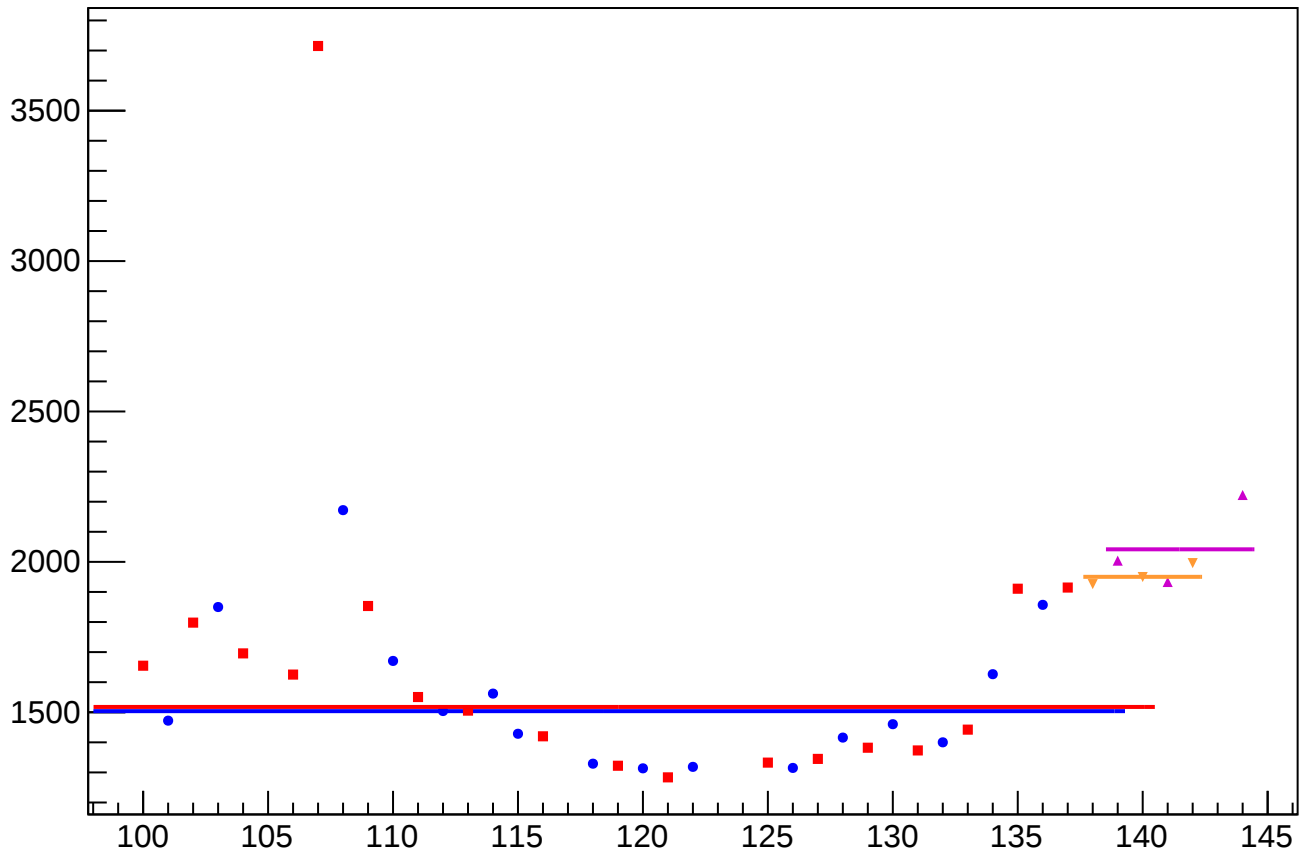
Left In: -1209.708+/-1315.957 χ^2/NDF : 0.9/2

+ sign 2052.614+/-543.964 χ^2/NDF : 13.9/18

All: 96.741+/-381.260 χ^2/NDF : 62.9/39

- sign -1791.847+/-534.526 χ^2/NDF : 23.6/20

asym_usl_rms vs Slug



Right In: 1503.676 $\pm$ 0.418 χ^2 /NDF: 252138.4/15

Left Out: 1950.273 $\pm$ 0.987 χ^2 /NDF: 678.9/2

Right Out: 1517.693 $\pm$ 0.414 χ^2 /NDF: 476469.5/17

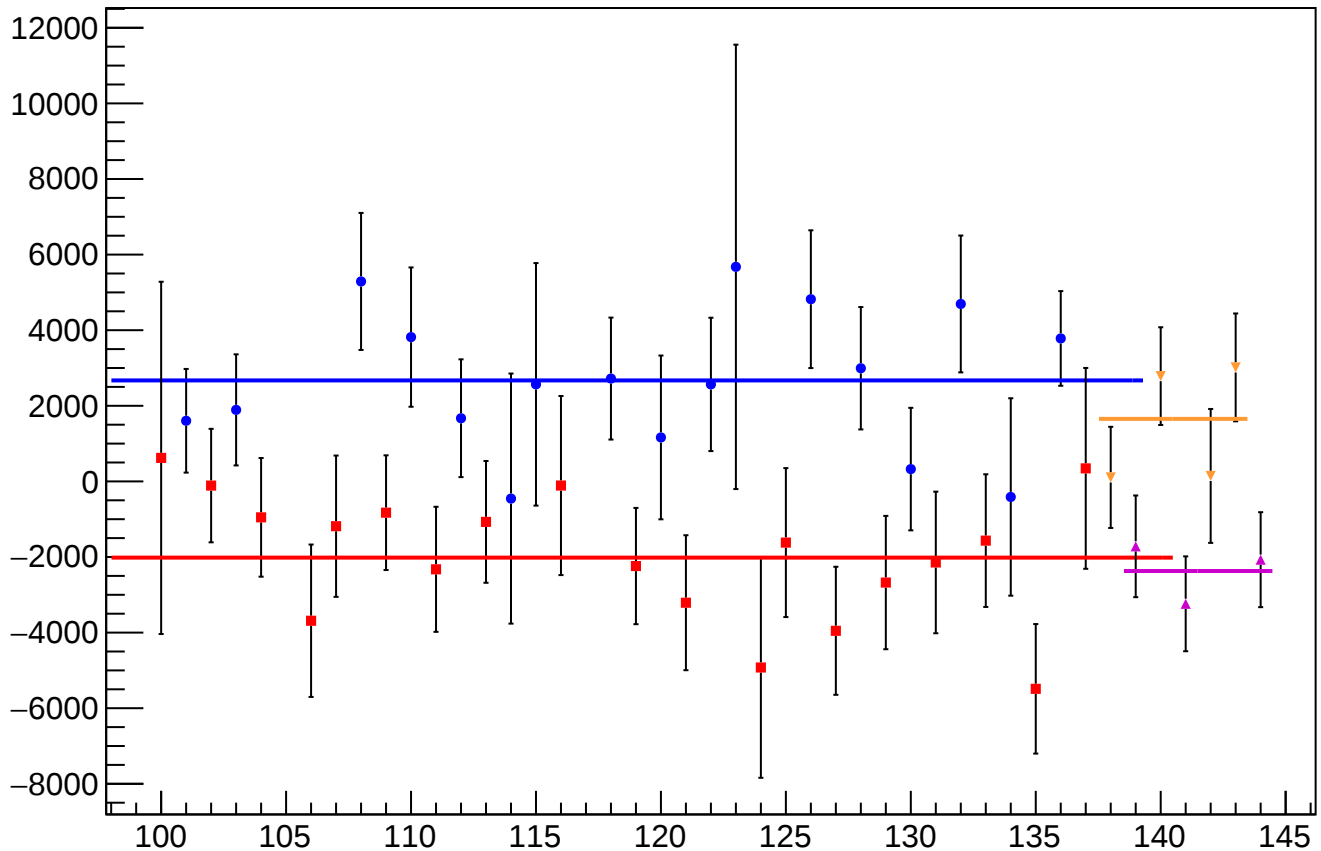
Left In: 2041.711 $\pm$ 0.931 χ^2 /NDF: 17091.3/2

+ sign 1571.547 $\pm$ 0.385 χ^2 /NDF: 426556.3/18

All: 1588.134 $\pm$ 0.270 χ^2 /NDF: 1188579.9/39

- sign 1604.150 $\pm$ 0.378 χ^2 /NDF: 758368.4/20

reg_asym_usr_mean vs Slug



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

Left Out: 1654.188 $\pm$ 712.909 χ^2 /NDF:3.7/3

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

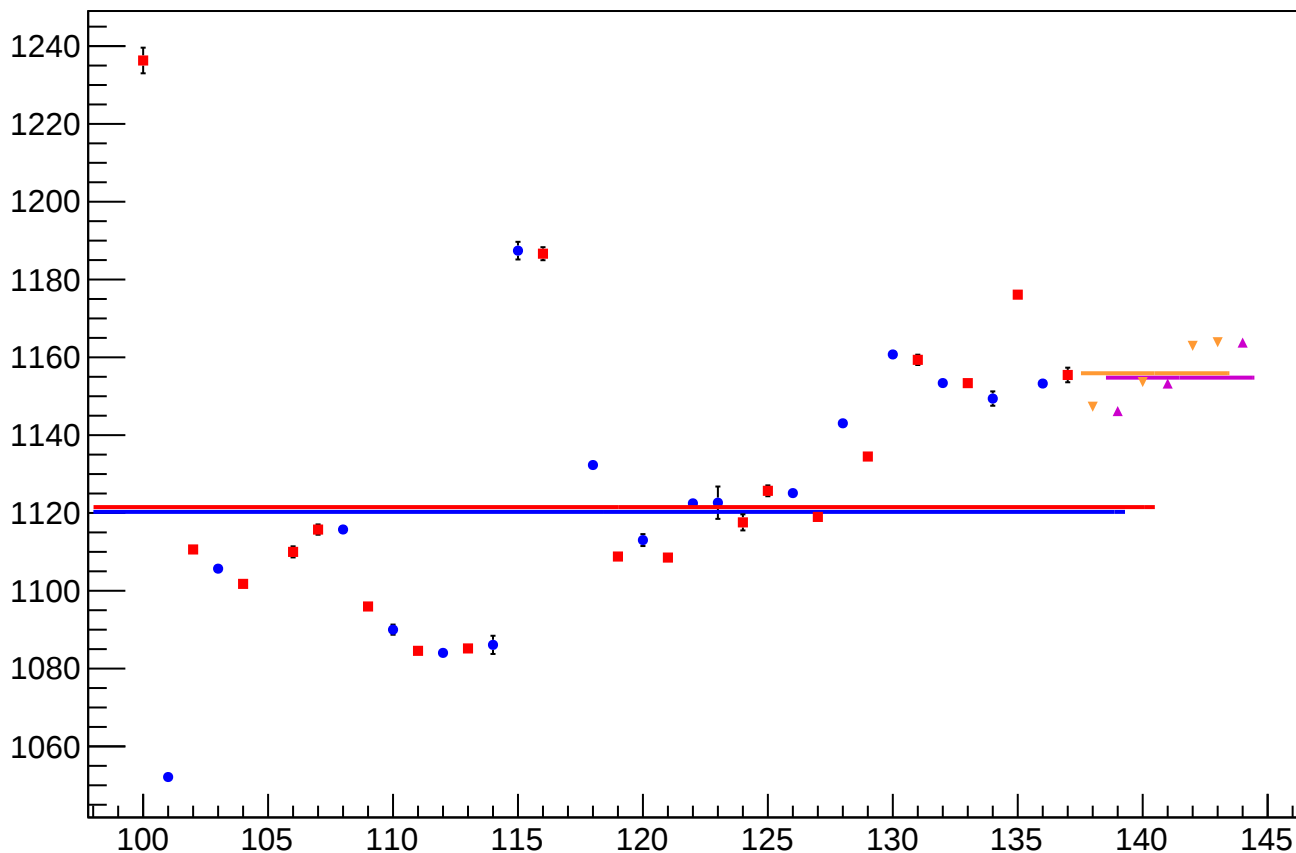
Left In: -2370.710 $\pm$ 740.942 χ^2 /NDF:0.8/2

+ sign 2395.750 $\pm$ 371.062 χ^2 /NDF: 17.6/20

All: 112.536 $\pm$ 260.384 χ^2 /NDF: 106.0/42

- sign -2102.476 $\pm$ 365.478 χ^2 /NDF: 13.8/21

reg_asym_usr_rms vs Slug



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

Left Out: 1155.910 $\pm$ 0.504 χ^2 /NDF:182.9/3

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

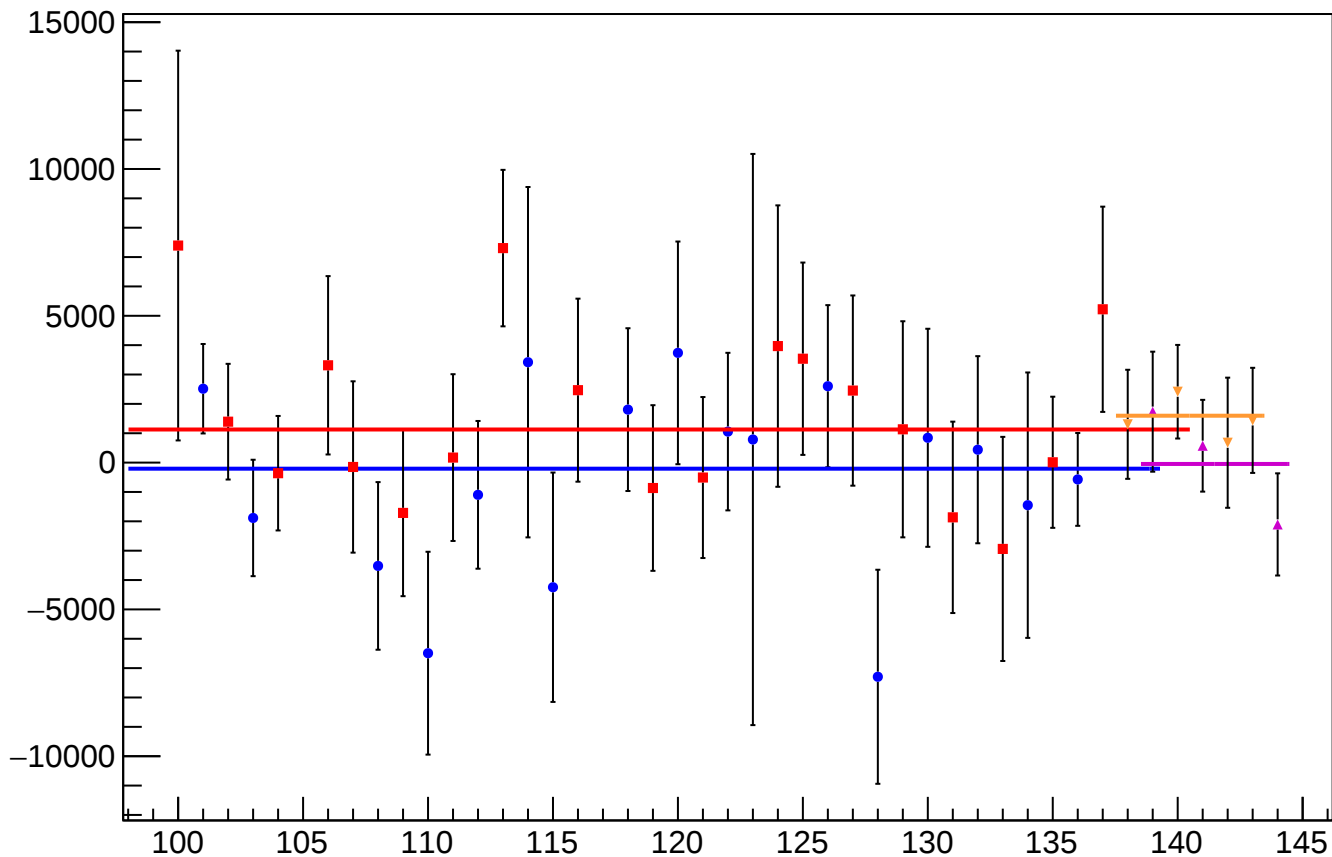
Left In: 1154.782 $\pm$ 0.524 χ^2 /NDF:187.5/2

+ sign 1129.931 $\pm$ 0.262 χ^2 /NDF: 15788.5/20

All: 1129.765 $\pm$ 0.184 χ^2 /NDF: 29043.8/42

- sign 1129.603 $\pm$ 0.258 χ^2 /NDF: 13254.6/21

asym_usr_correction_mean vs Slug



Right In: -207.352+/-656.632 χ^2/NDF : 17.0/16

Left Out: 1596.949+/-913.153 χ^2/NDF : 0.5/3

Right Out: 1127.444+/-663.569 χ^2/NDF : 14.4/18

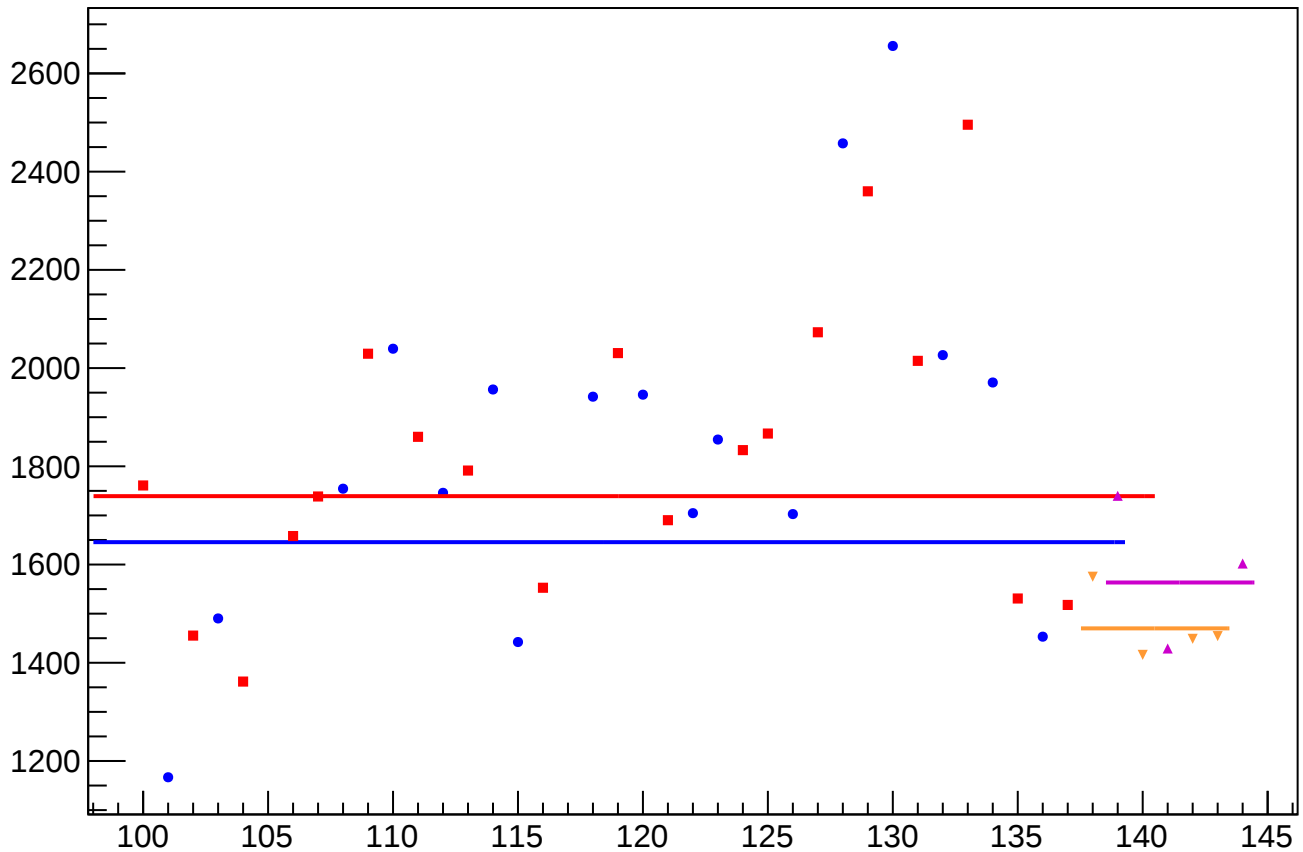
Left In: -46.263+/-1010.591 χ^2/NDF : 2.3/2

+ sign 407.623+/-533.112 χ^2/NDF : 20.1/20

All: 583.479+/-384.367 χ^2/NDF : 38.0/42

- sign 773.855+/-554.683 χ^2/NDF : 17.7/21

asym_usr_correction_rms vs Slug



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

Left Out: 1470.015+/-0.646 χ^2/NDF : 9044.5/3

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

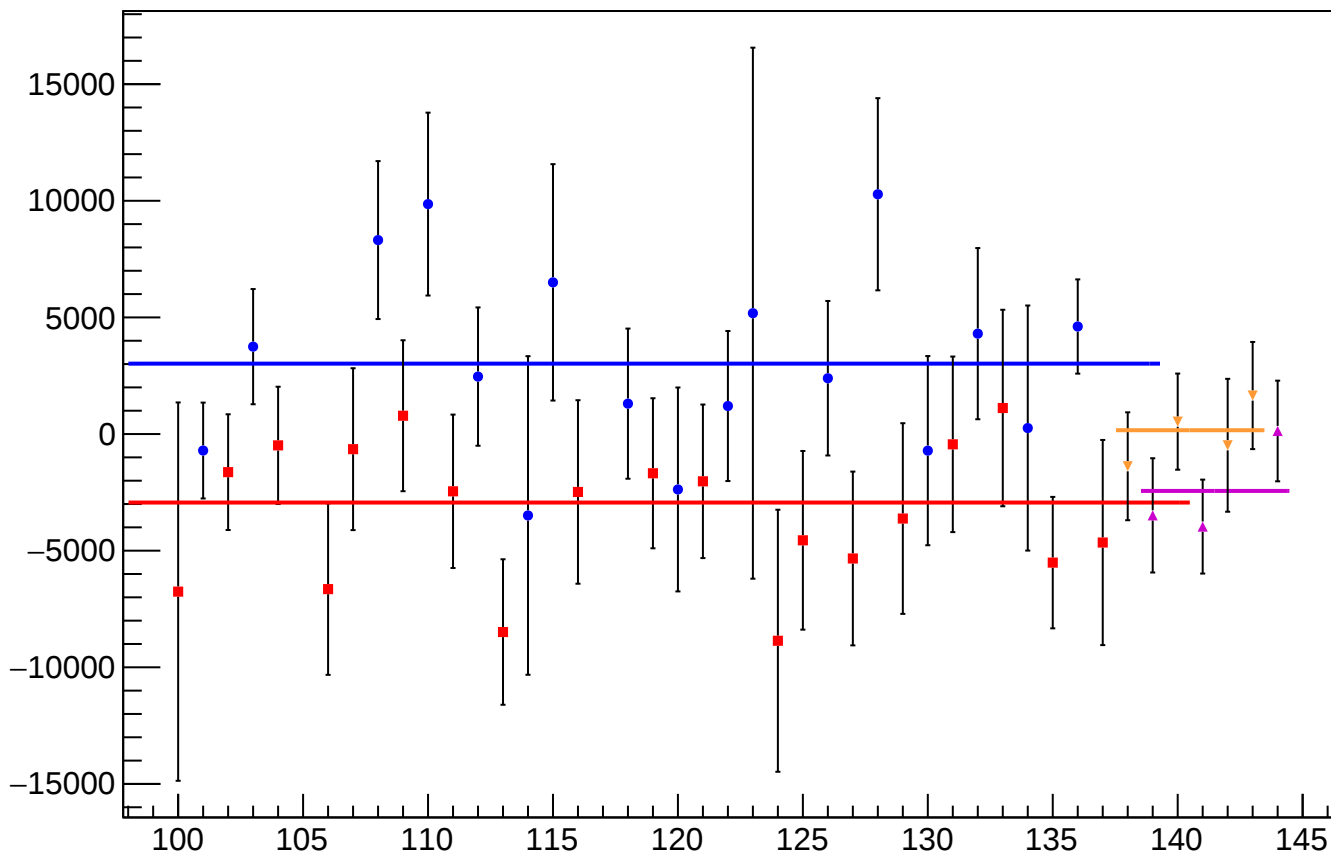
Left In: 1563.450+/-0.715 χ^2/NDF : 30693.4/2

+ sign 1585.740+/-0.377 χ^2/NDF : 664473.2/20

All: 1634.023+/-0.272 χ^2/NDF : 1144200.9/42

- sign 1686.292+/-0.392 χ^2/NDF : 445563.1/21

asym_usr_mean vs Slug



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

Left Out: 163.892 $\pm$ 1166.364 χ^2 /NDF: 0.9/3

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

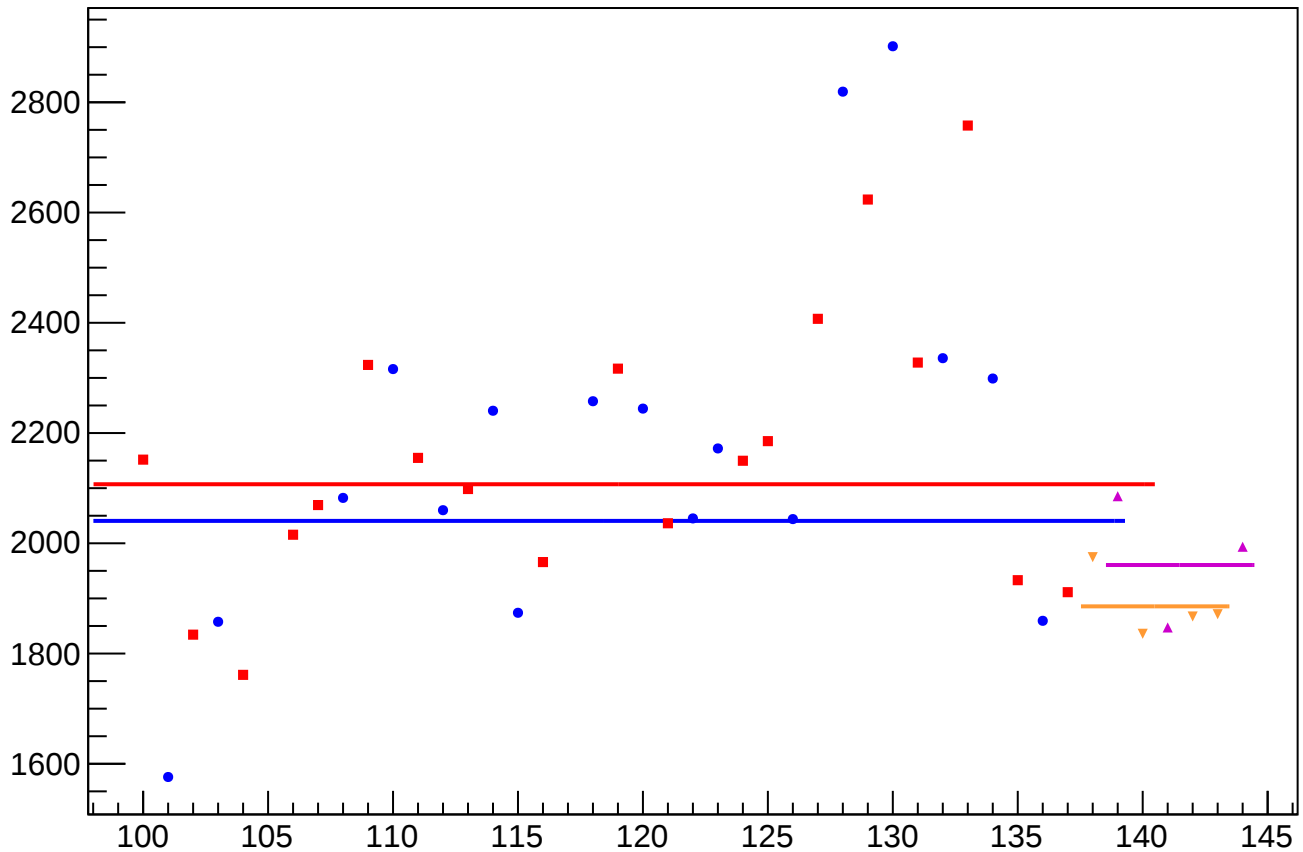
Left In: -2438.425 $\pm$ 1261.746 χ^2 /NDF: 2.2/2

+ sign 2098.979 $\pm$ 661.974 χ^2 /NDF: 22.5/20

All: -303.981 $\pm$ 472.253 χ^2 /NDF: 63.3/42

- sign -2794.454 $\pm$ 673.920 χ^2 /NDF: 14.0/21

asym_usr_rms vs Slug



Right In: 2040.634 $\pm$ 0.569 χ^2 /NDF: 336565.5/16

Left Out: 1885.591 $\pm$ 0.825 χ^2 /NDF: 4301.6/3

Right Out: 2107.120 $\pm$ 0.564 χ^2 /NDF: 197006.9/18

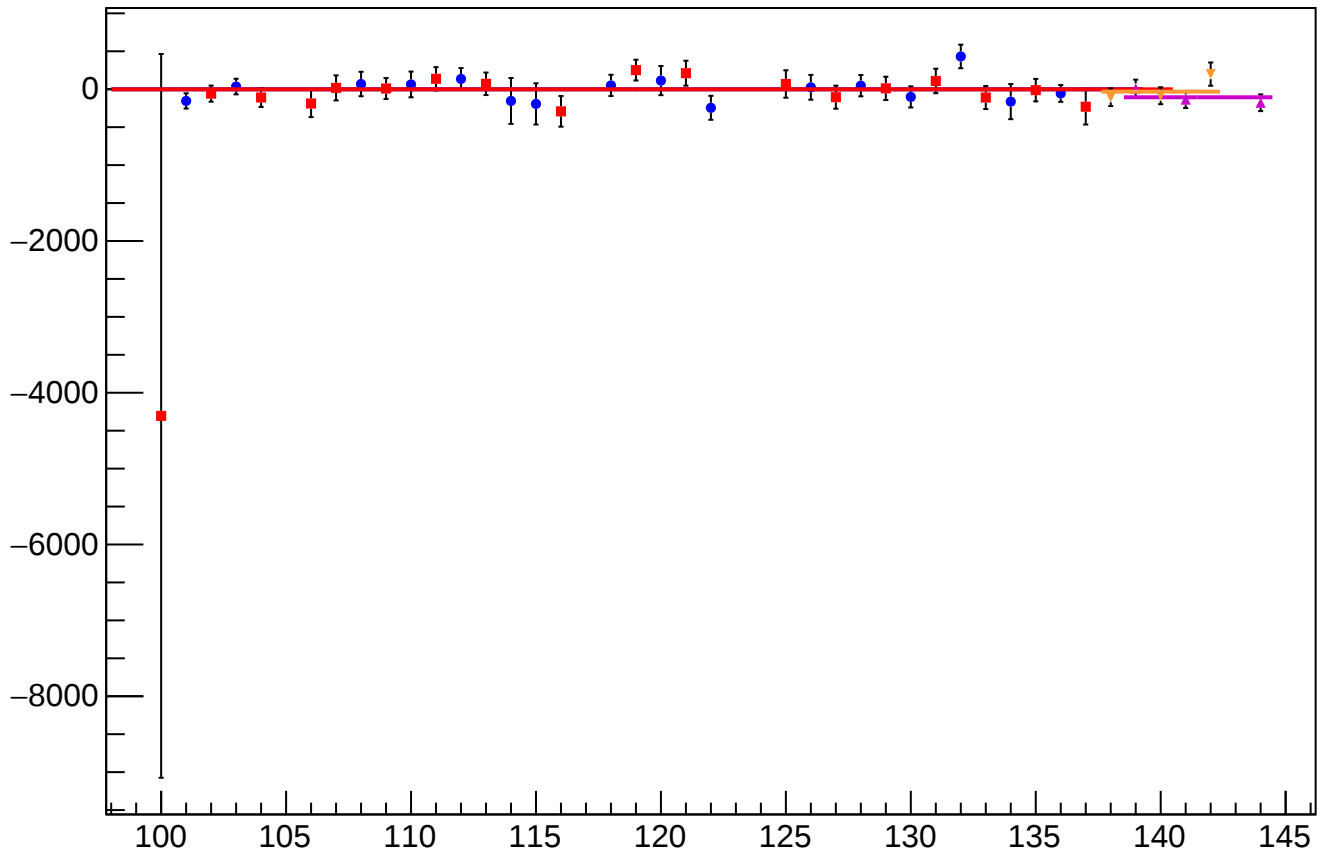
Left In: 1960.614 $\pm$ 0.892 χ^2 /NDF: 11994.2/2

+ sign 1990.692 $\pm$ 0.468 χ^2 /NDF: 364823.5/20

All: 2027.341 $\pm$ 0.334 χ^2 /NDF: 605580.7/42

- sign 2065.325 $\pm$ 0.477 χ^2 /NDF: 228273.6/21

reg_asym_dsl_mean vs Slug



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

Left Out: -31.307 ± 71.382 χ^2/NDF : 2.9/2

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

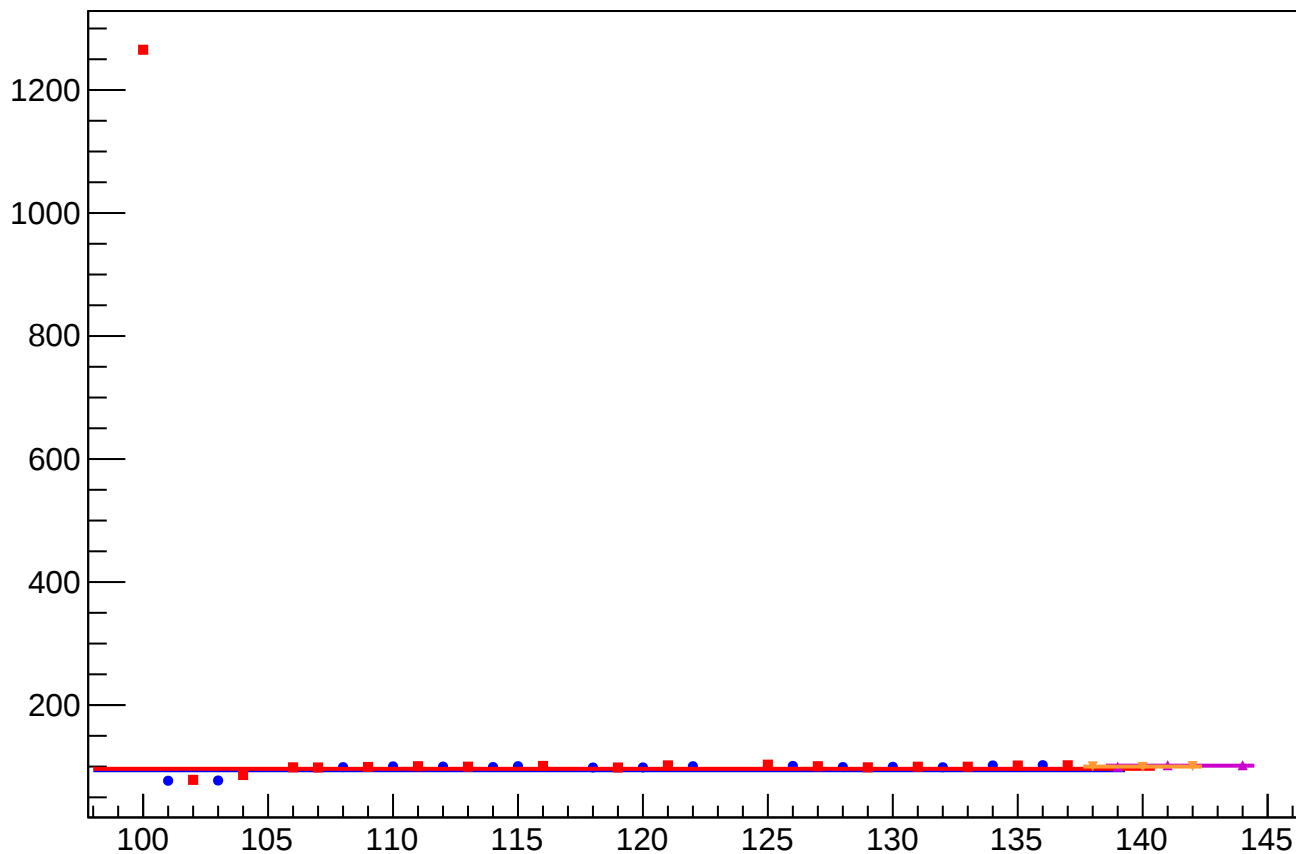
Left In: -106.177 ± 65.113 χ^2/NDF : 1.5/2

+ sign -7.174 ± 32.689 χ^2/NDF : 19.5/18

All: -17.175 ± 22.870 χ^2/NDF : 36.9/39

- sign -26.765 ± 32.008 χ^2/NDF : 17.2/20

reg_asym_dsl_rms vs Slug



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

Left Out: 100.018 $\pm$ 0.050 χ^2 /NDF:121.0/2

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

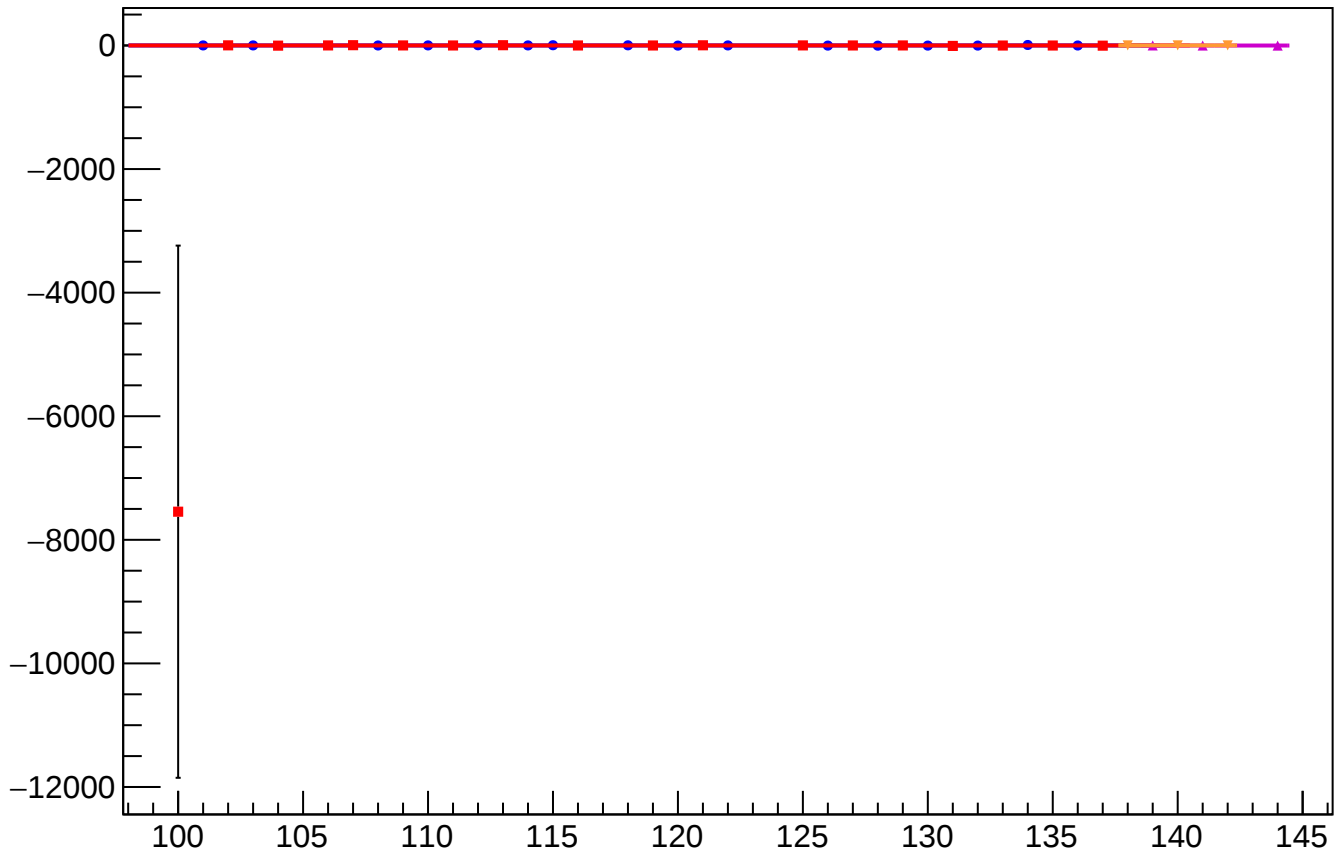
Left In: 101.478 $\pm$ 0.046 χ^2 /NDF:572.6/2

+ sign 95.299 $\pm$ 0.023 χ^2 /NDF: 163247.5/18

All: 96.471 $\pm$ 0.016 χ^2 /NDF: 387342.8/39

- sign 97.595 $\pm$ 0.023 χ^2 /NDF: 219058.3/20

asym_dsl_correction_mean vs Slug



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

Left Out: 1.306 ± 1.232 χ^2/NDF : 0.0/2

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

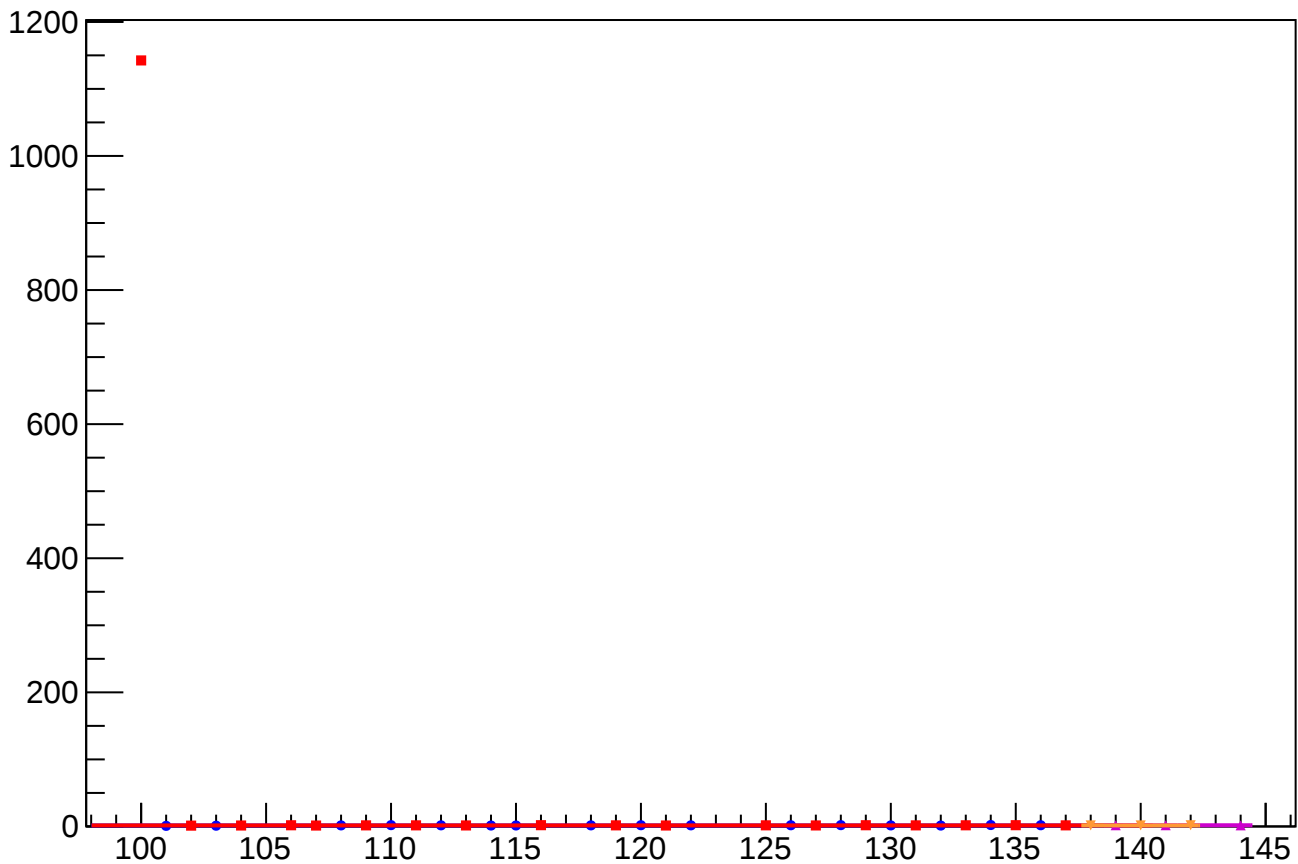
Left In: -0.911 ± 1.228 χ^2/NDF : 0.7/2

+ sign 0.573 ± 0.552 χ^2/NDF : 10.9/18

All: 0.332 ± 0.397 χ^2/NDF : 33.7/39

- sign 0.074 ± 0.570 χ^2/NDF : 22.5/20

asym_dsl_correction_rms vs Slug



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

Left Out: 1.575 $\pm$ 0.001 χ^2 /NDF: 10067.0/2

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

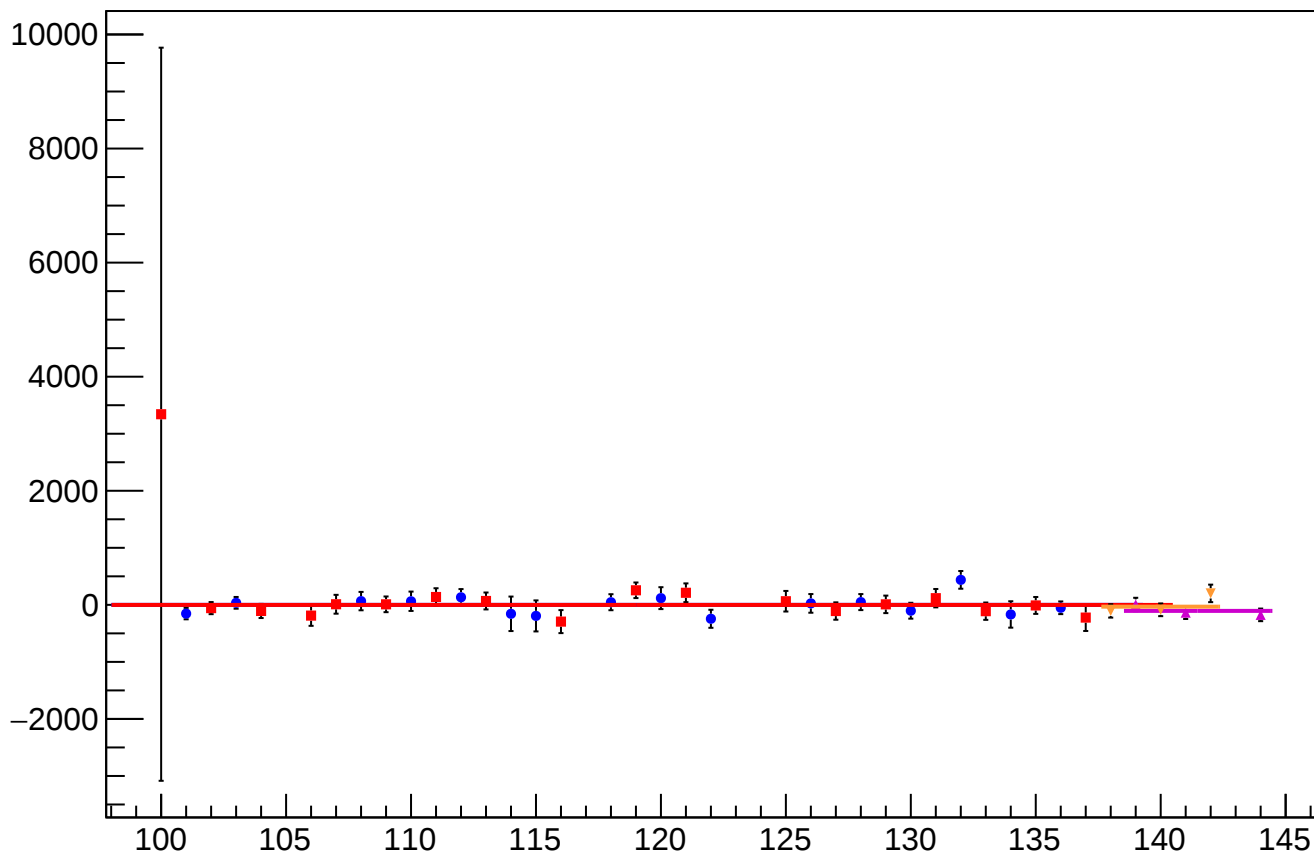
Left In: 1.798 $\pm$ 0.001 χ^2 /NDF: 8279.3/2

+ sign 1.451 $\pm$ 0.000 χ^2 /NDF: 748775.0/18

All: 1.527 $\pm$ 0.000 χ^2 /NDF: 1209648.3/39

- sign 1.607 $\pm$ 0.000 χ^2 /NDF: 383498.7/20

asym_dsl_mean vs Slug



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

Left Out: -31.881 ± 71.400 χ^2/NDF : 3.0/2

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

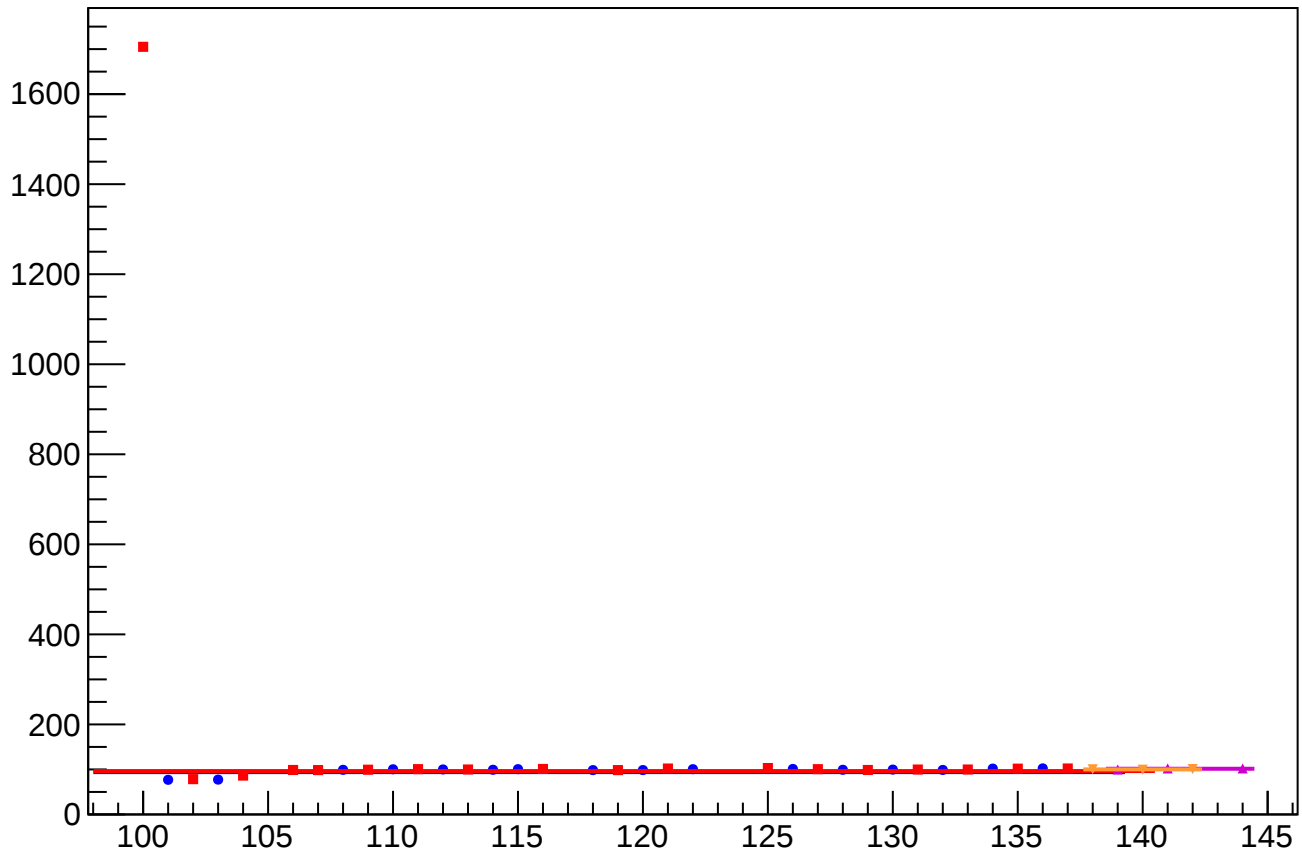
Left In: -105.950 ± 65.131 χ^2/NDF : 1.4/2

+ sign -7.060 ± 32.697 χ^2/NDF : 19.8/18

All: -17.000 ± 22.876 χ^2/NDF : 36.6/39

- sign -26.531 ± 32.017 χ^2/NDF : 16.7/20

asym_dsl_rms vs Slug



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

Left Out: 100.044 $\pm$ 0.050 χ^2 /NDF: 121.1/2

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

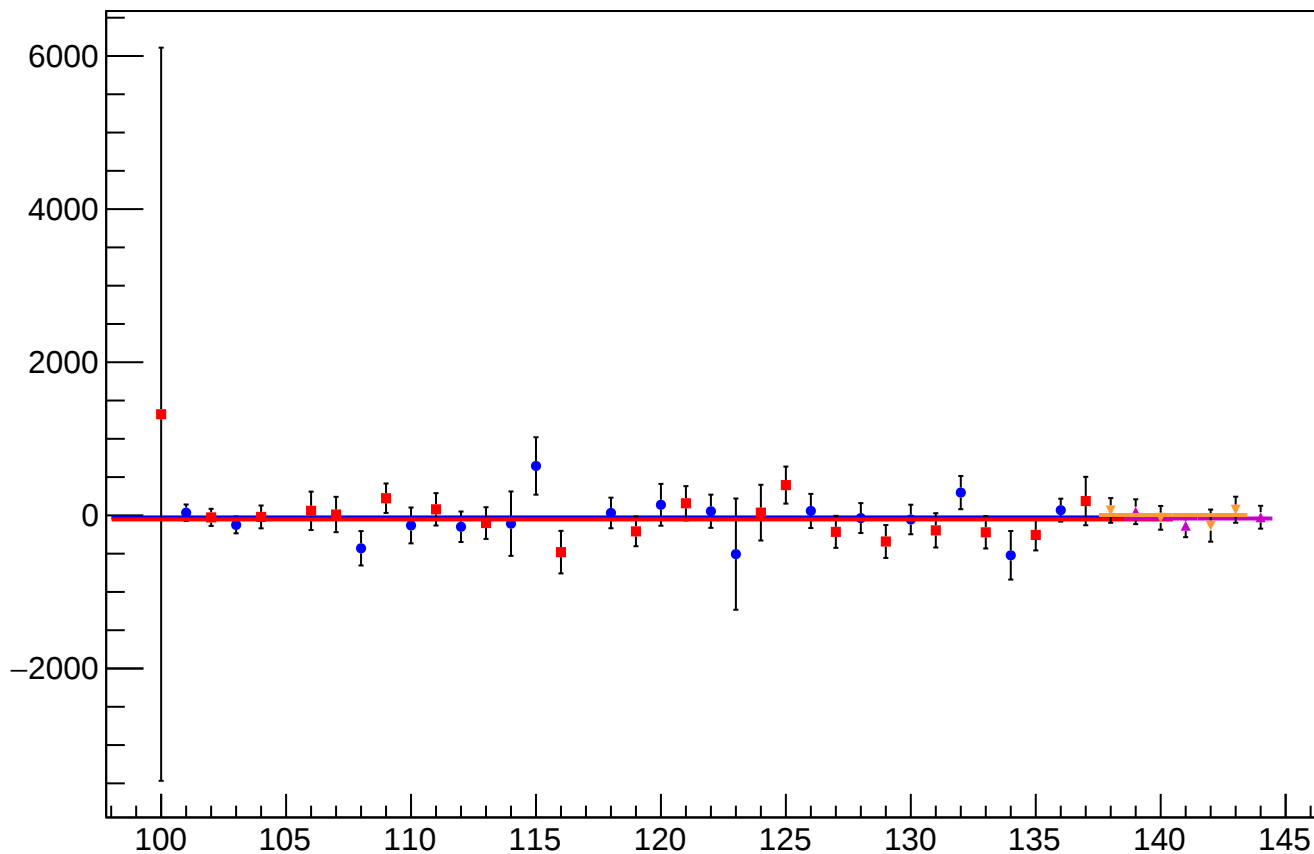
Left In: 101.506 $\pm$ 0.046 χ^2 /NDF: 572.9/2

+ sign 95.324 $\pm$ 0.023 χ^2 /NDF: 163268.3/18

All: 96.490 $\pm$ 0.016 χ^2 /NDF: 392513.3/39

- sign 97.609 $\pm$ 0.023 χ^2 /NDF: 224259.6/20

reg_asym_dsr_mean vs Slug



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

Left Out: 4.971 ± 85.345 χ^2/NDF : 0.8/3

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

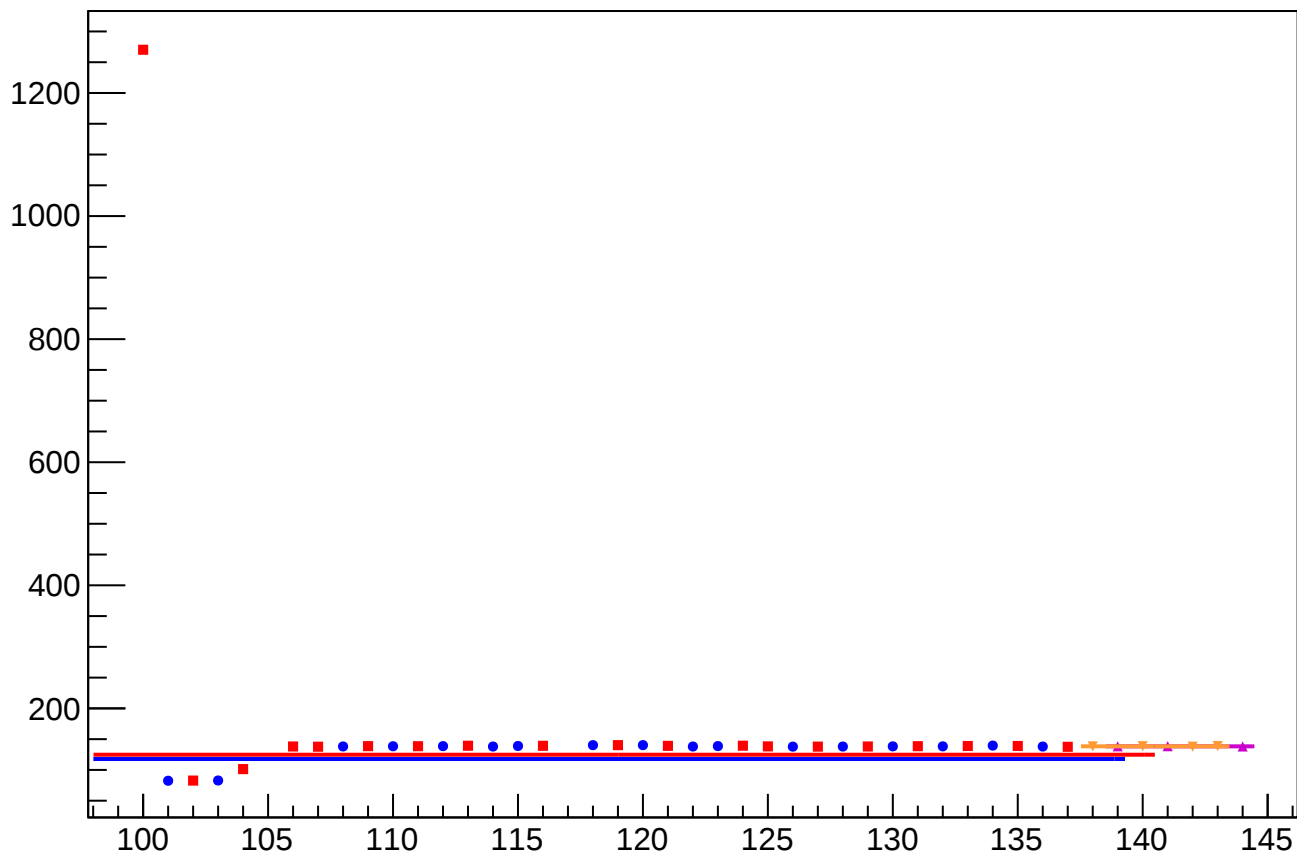
Left In: -40.934 ± 88.752 χ^2/NDF : 0.7/2

+ sign -19.443 ± 41.063 χ^2/NDF : 15.3/20

All: -34.639 ± 29.384 χ^2/NDF : 31.7/42

- sign -50.587 ± 42.067 χ^2/NDF : 16.1/21

reg_asym_dsr_rms vs Slug



Right In: 117.762 $\pm$ 0.033 χ^2 /NDF: 665636.8/16

Left Out: 138.377 $\pm$ 0.060 χ^2 /NDF: 29.0/3

Right Out: 124.724 $\pm$ 0.034 χ^2 /NDF: 569285.6/18

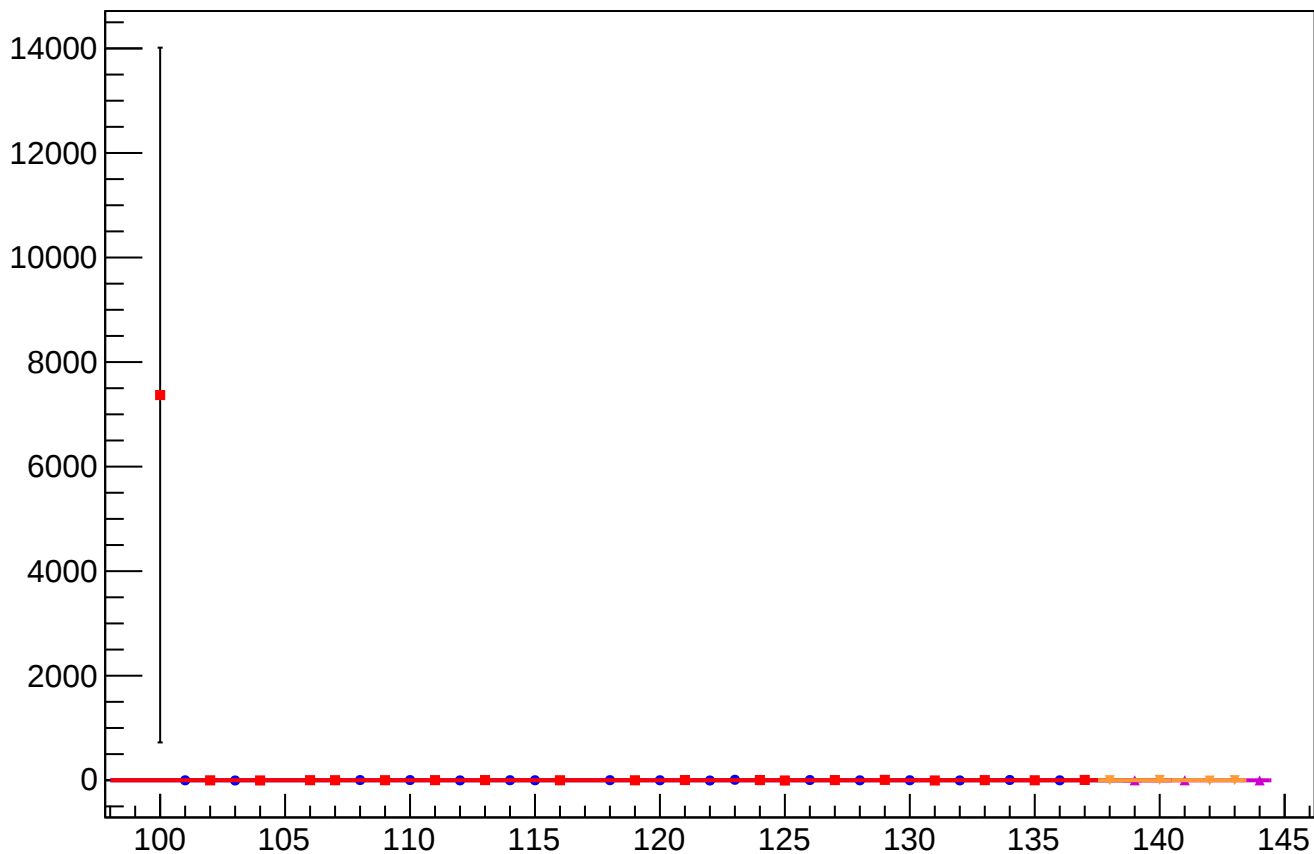
Left In: 138.322 $\pm$ 0.063 χ^2 /NDF: 9.0/2

+ sign 122.534 $\pm$ 0.029 χ^2 /NDF: 755343.5/20

All: 125.093 $\pm$ 0.021 χ^2 /NDF: 1376959.0/42

- sign 127.779 $\pm$ 0.030 χ^2 /NDF: 605693.3/21

asym_dsr_correction_mean vs Slug



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

Left Out: 1.093 ± 1.531 χ^2/NDF : 5.9/3

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

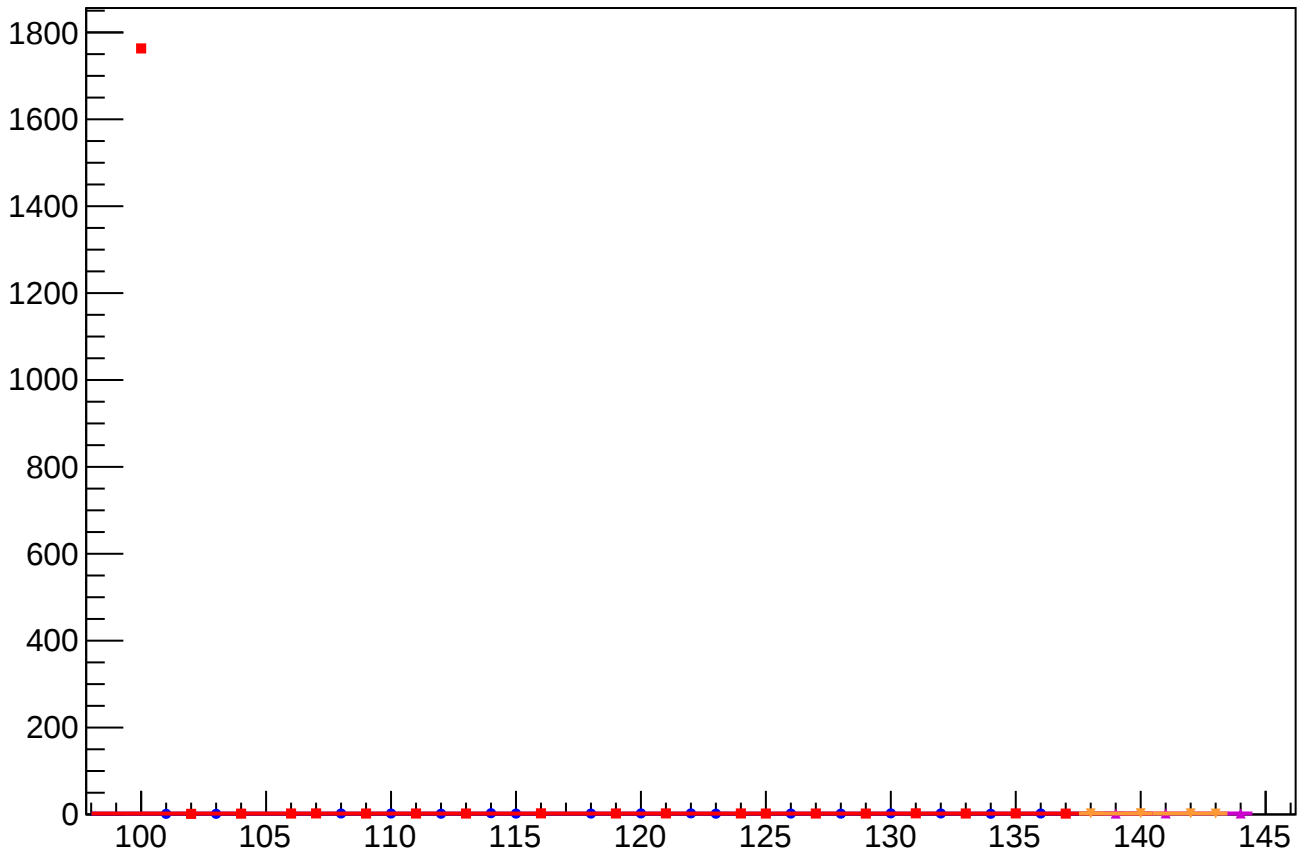
Left In: -0.963 ± 1.583 χ^2/NDF : 0.2/2

+ sign -0.323 ± 0.716 χ^2/NDF : 19.2/20

All: -0.037 ± 0.518 χ^2/NDF : 35.3/42

- sign 0.279 ± 0.750 χ^2/NDF : 15.7/21

asym_dsr_correction_rms vs Slug



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

Left Out: 2.299 $\pm$ 0.001 χ^2 /NDF: 66244.7/3

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

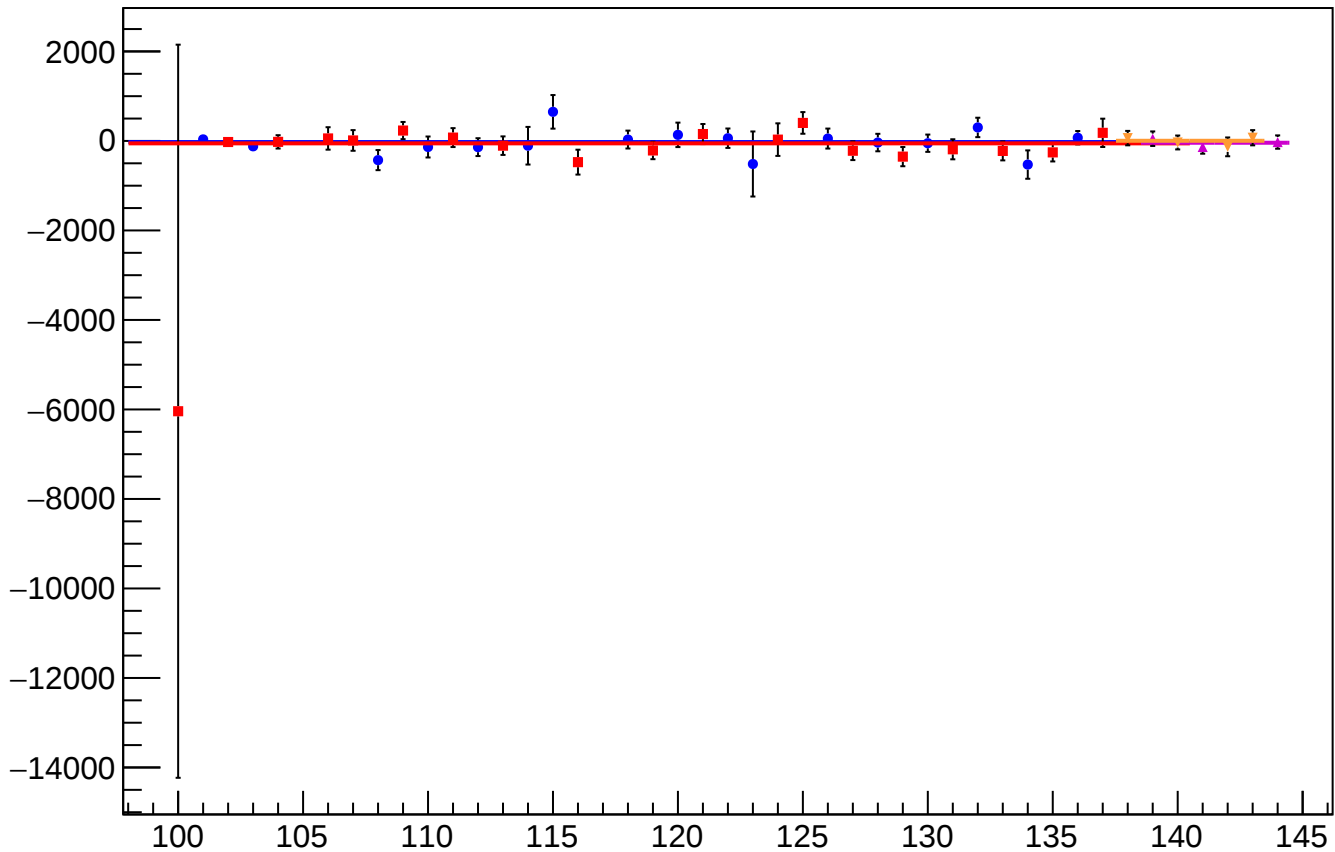
Left In: 2.264 $\pm$ 0.001 χ^2 /NDF: 27645.3/2

+ sign 1.960 $\pm$ 0.001 χ^2 /NDF: 681662.5/20

All: 2.031 $\pm$ 0.000 χ^2 /NDF: 1296752.0/42

- sign 2.108 $\pm$ 0.001 χ^2 /NDF: 574221.6/21

asym_dsr_mean vs Slug



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

Left Out: 3.386 ± 85.369 χ^2/NDF : 0.8/3

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

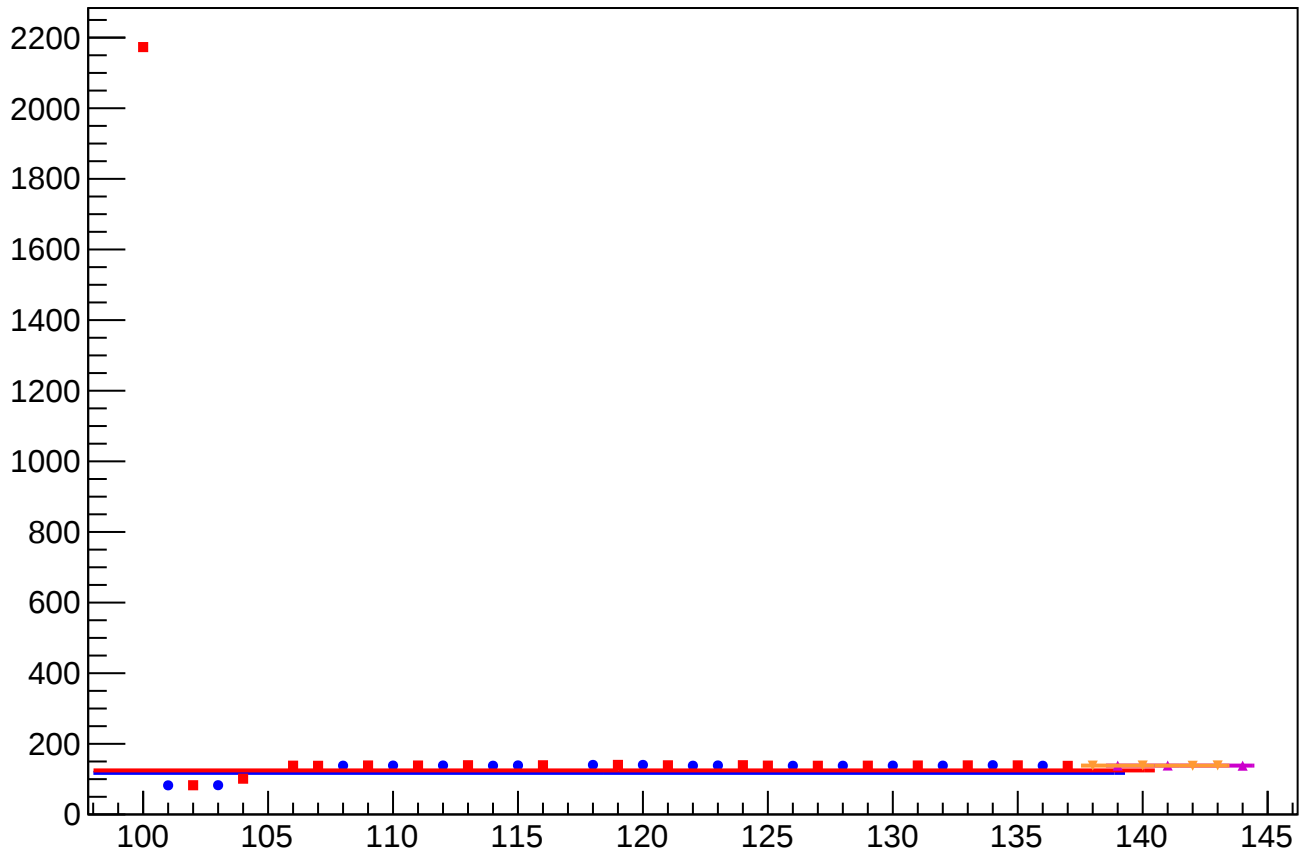
Left In: -40.625 ± 88.776 χ^2/NDF : 0.7/2

+ sign -18.475 ± 41.074 χ^2/NDF : 15.4/20

All: -34.450 ± 29.393 χ^2/NDF : 32.5/42

- sign -51.217 ± 42.079 χ^2/NDF : 16.8/21

asym_dsr_rms vs Slug



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

Left Out: 138.414 $\pm$ 0.060 χ^2 /NDF: 28.3/3

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

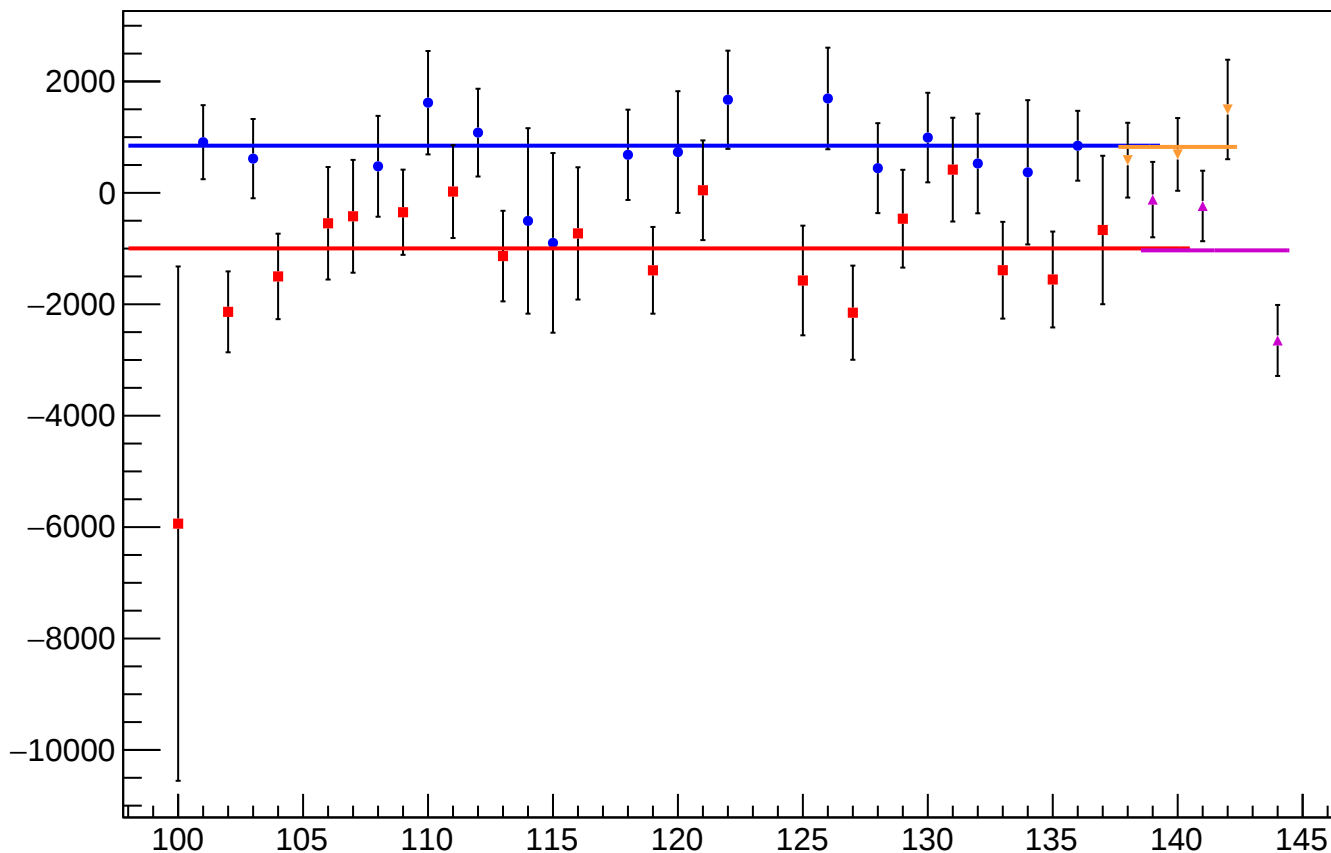
Left In: 138.359 $\pm$ 0.063 χ^2 /NDF: 9.2/2

+ sign 122.567 $\pm$ 0.029 χ^2 /NDF: 755384.7/20

All: 125.110 $\pm$ 0.021 χ^2 /NDF: 1387608.3/42

- sign 127.779 $\pm$ 0.030 χ^2 /NDF: 616511.0/21

reg_asym_left_avg_mean vs Slug



Right In: 847.032 $\pm$ 216.666 χ^2 /NDF: 5.2/15

Left Out: 824.727 $\pm$ 414.533 χ^2 /NDF:0.7/2

Right Out: -997.112 $\pm$ 213.264 χ^2 /NDF: 14.0/17

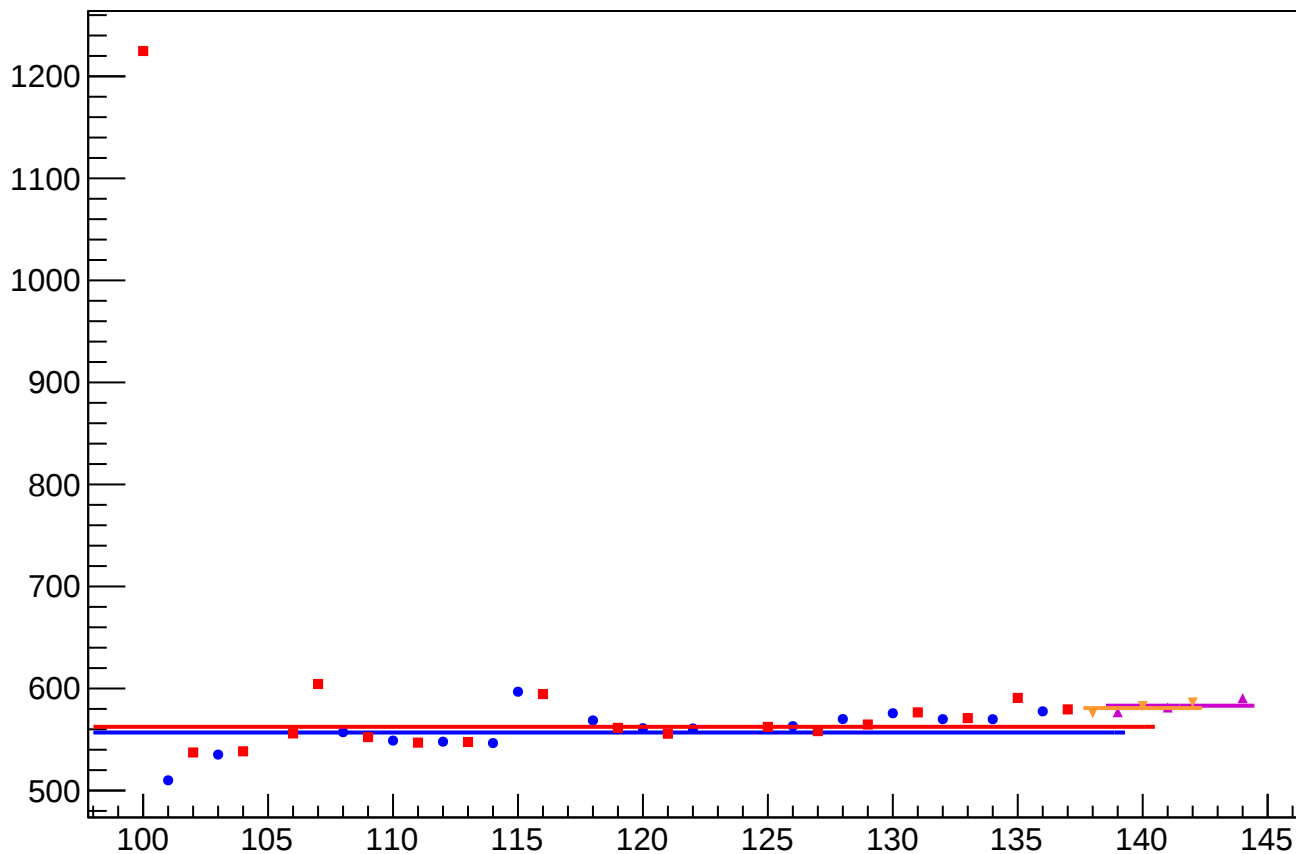
Left In: -1032.267 $\pm$ 374.178 χ^2 /NDF:9.8/2

+ sign 842.246 $\pm$ 192.019 χ^2 /NDF: 6.0/18

All: -114.730 $\pm$ 133.332 χ^2 /NDF: 77.8/39

- sign -1005.732 $\pm$ 185.282 χ^2 /NDF: 23.9/20

reg_asym_left_avg_rms vs Slug



Right In: 556.871+/-0.153 χ^2/NDF : 18555.7/15

Left Out: 580.826+/-0.293 χ^2/NDF : 204.5/2

Right Out: 562.460+/-0.151 χ^2/NDF : 55550.6/17

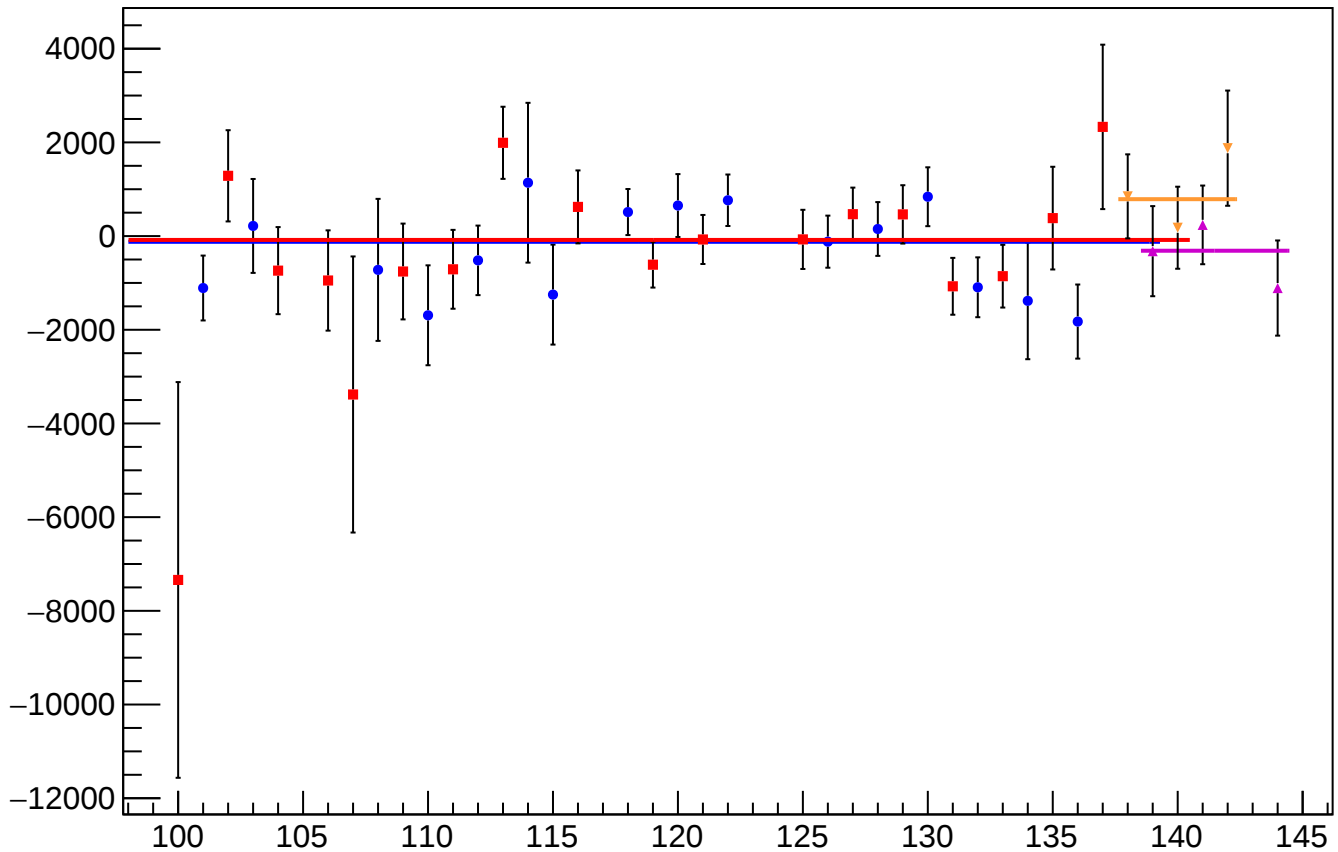
Left In: 583.155+/-0.265 χ^2/NDF : 460.8/2

+ sign 562.011+/-0.136 χ^2/NDF : 24005.9/18

All: 564.871+/-0.094 χ^2/NDF : 85492.2/39

- sign 567.534+/-0.131 χ^2/NDF : 60629.5/20

asym_left_avg_correction_mean vs Slug



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

Left Out: 787.927+/-558.288 χ^2 /NDF:1.3/2

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

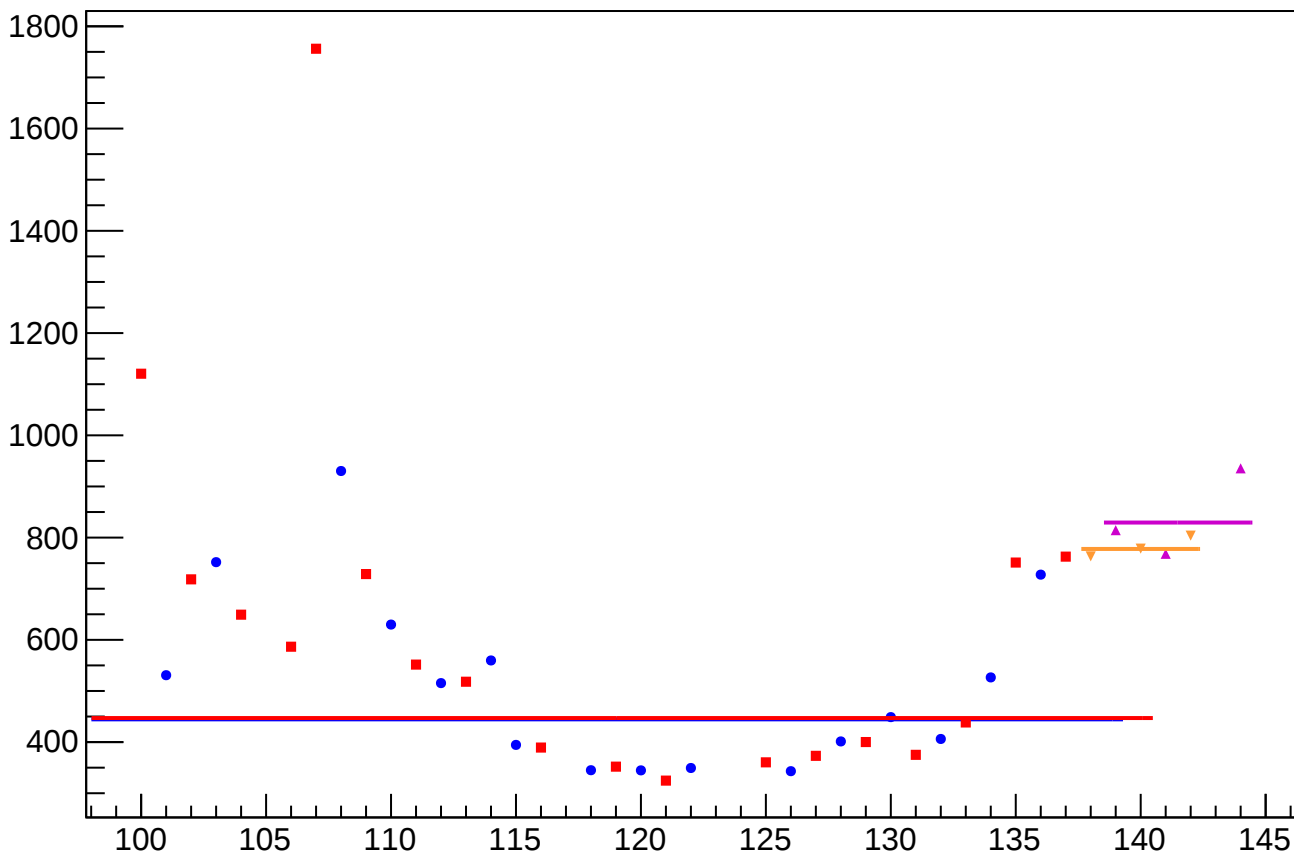
Left In: -312.659+/-536.956 χ^2 /NDF:1.0/2

+ sign -35.437+/-171.994 χ^2 /NDF: 26.2/18

All: -70.803+/-120.941 χ^2 /NDF: 52.9/39

- sign -105.392+/-170.094 χ^2 /NDF: 26.6/20

asym_left_avg_correction_rms vs Slug



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

Left Out: 777.783+/-0.395 χ^2/NDF :1420.5/2

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

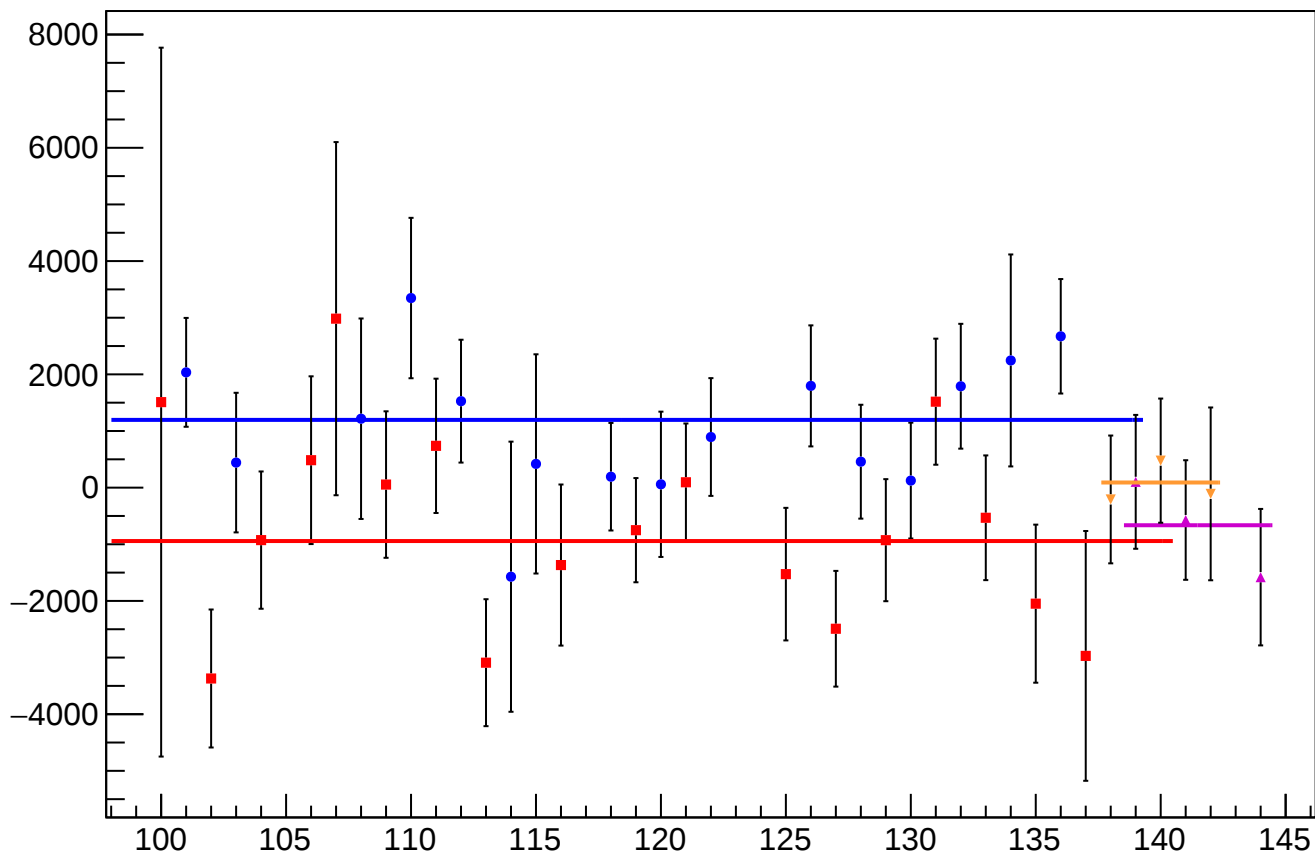
Left In: 829.418+/-0.380 χ^2/NDF :32869.3/2

+ sign 476.141+/-0.122 χ^2/NDF : 1699193.2/18

All: 480.829+/-0.086 χ^2/NDF : 4102364.4/39

- sign 485.413+/-0.120 χ^2/NDF : 2400232.9/20

asym_left_avg_mean vs Slug



Right In: 1196.174 ± 296.098 χ^2/NDF : 11.7/15

Left Out: 90.752 ± 698.798 χ^2/NDF : 0.2/2

Right Out: -942.782 ± 294.221 χ^2/NDF : 23.1/17

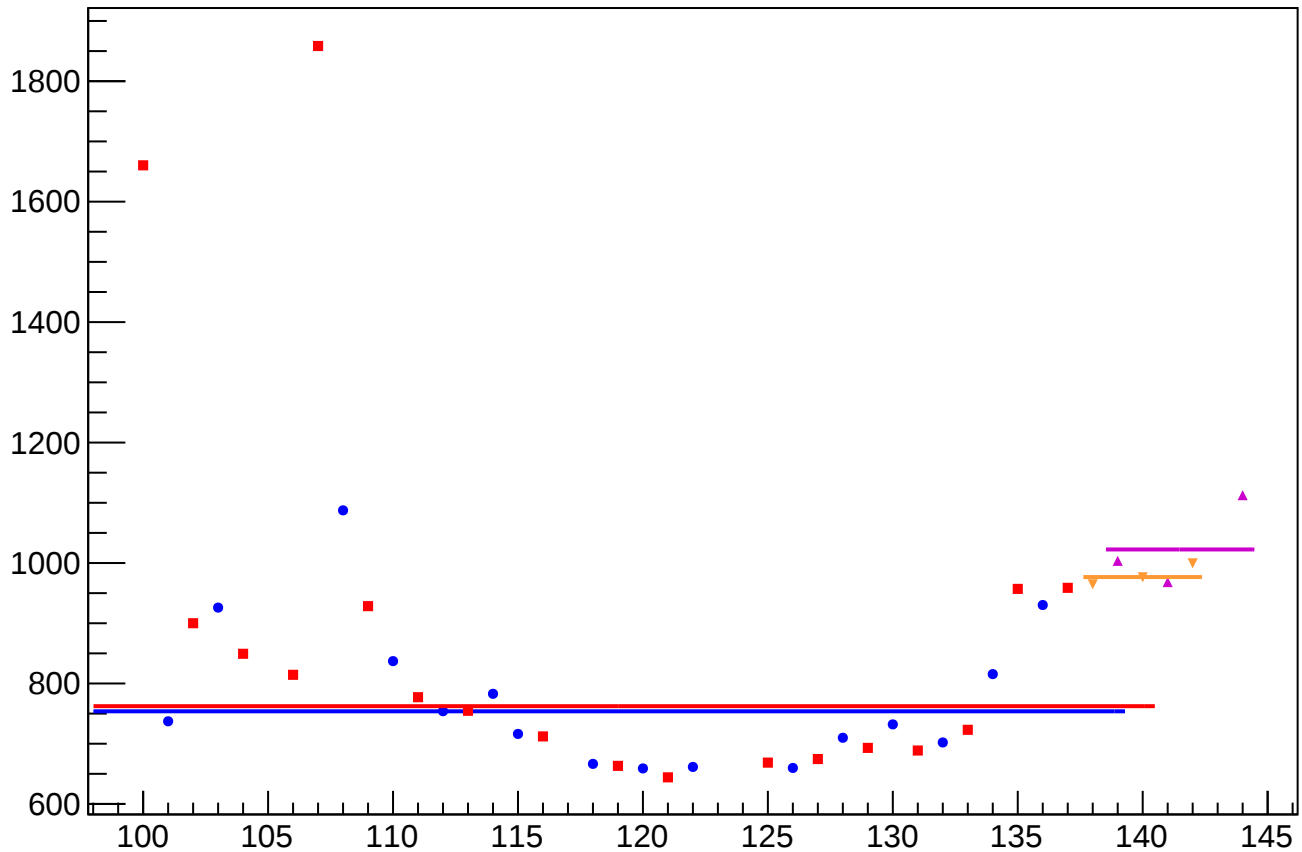
Left In: -663.817 ± 659.037 χ^2/NDF : 1.0/2

+ sign 1027.914 ± 272.633 χ^2/NDF : 14.1/18

All: 51.634 ± 191.362 χ^2/NDF : 63.6/39

- sign -896.421 ± 268.663 χ^2/NDF : 24.3/20

asym_left_avg_rms vs Slug



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

Left Out: 976.711 $\pm$ 0.494 χ^2 /NDF: 674.8/2

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

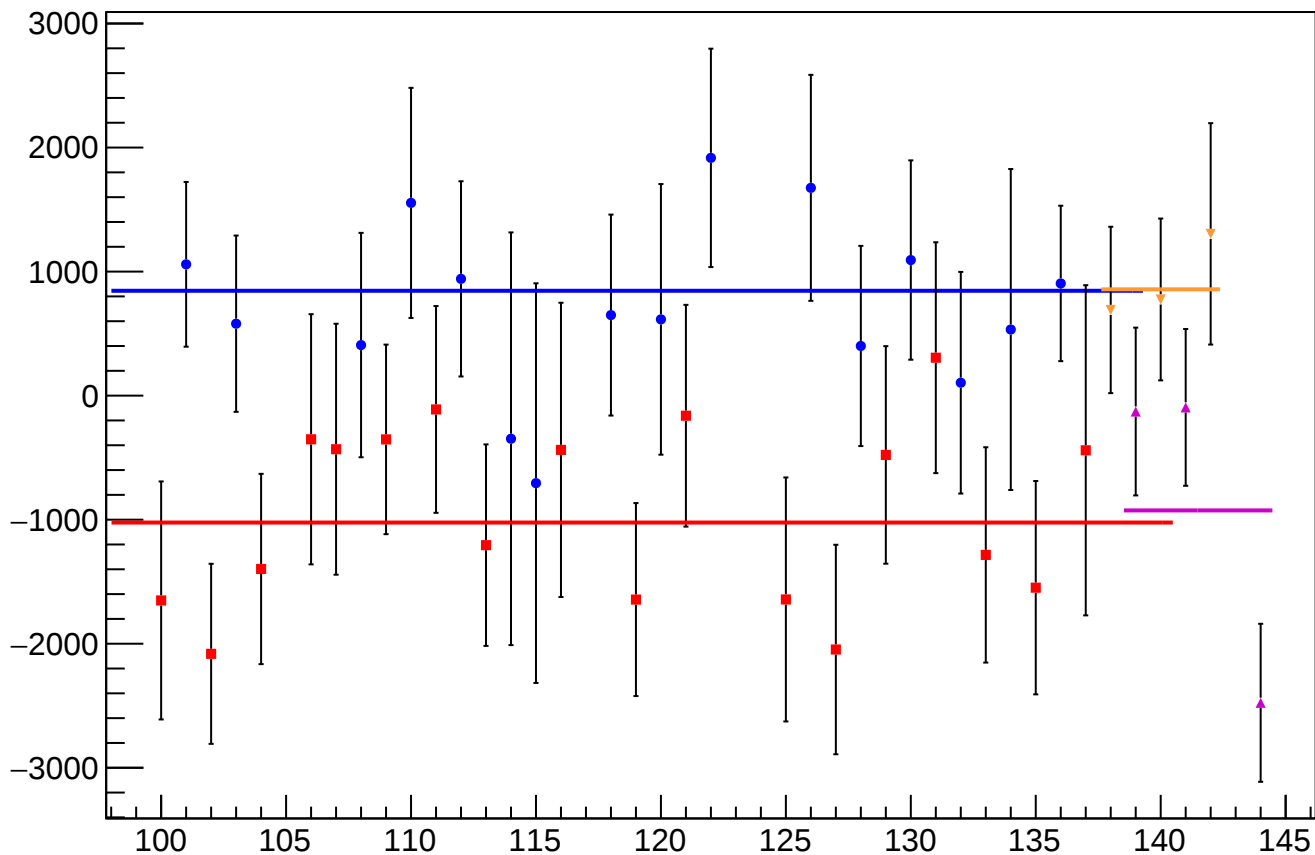
Left In: 1022.527 $\pm$ 0.466 χ^2 /NDF: 16973.2/2

+ sign 787.737 $\pm$ 0.193 χ^2 /NDF: 423326.0/18

All: 796.779 $\pm$ 0.135 χ^2 /NDF: 1218410.2/39

- sign 805.560 $\pm$ 0.190 χ^2 /NDF: 790747.8/20

reg_asym_left_dd_mean vs Slug



Right In: 845.362 $\pm$ 216.498 χ^2 /NDF: 6.1/15

Left Out: 856.997 $\pm$ 414.186 χ^2 /NDF:0.3/2

Right Out: -1023.052 $\pm$ 208.229 χ^2 /NDF: 12.4/17

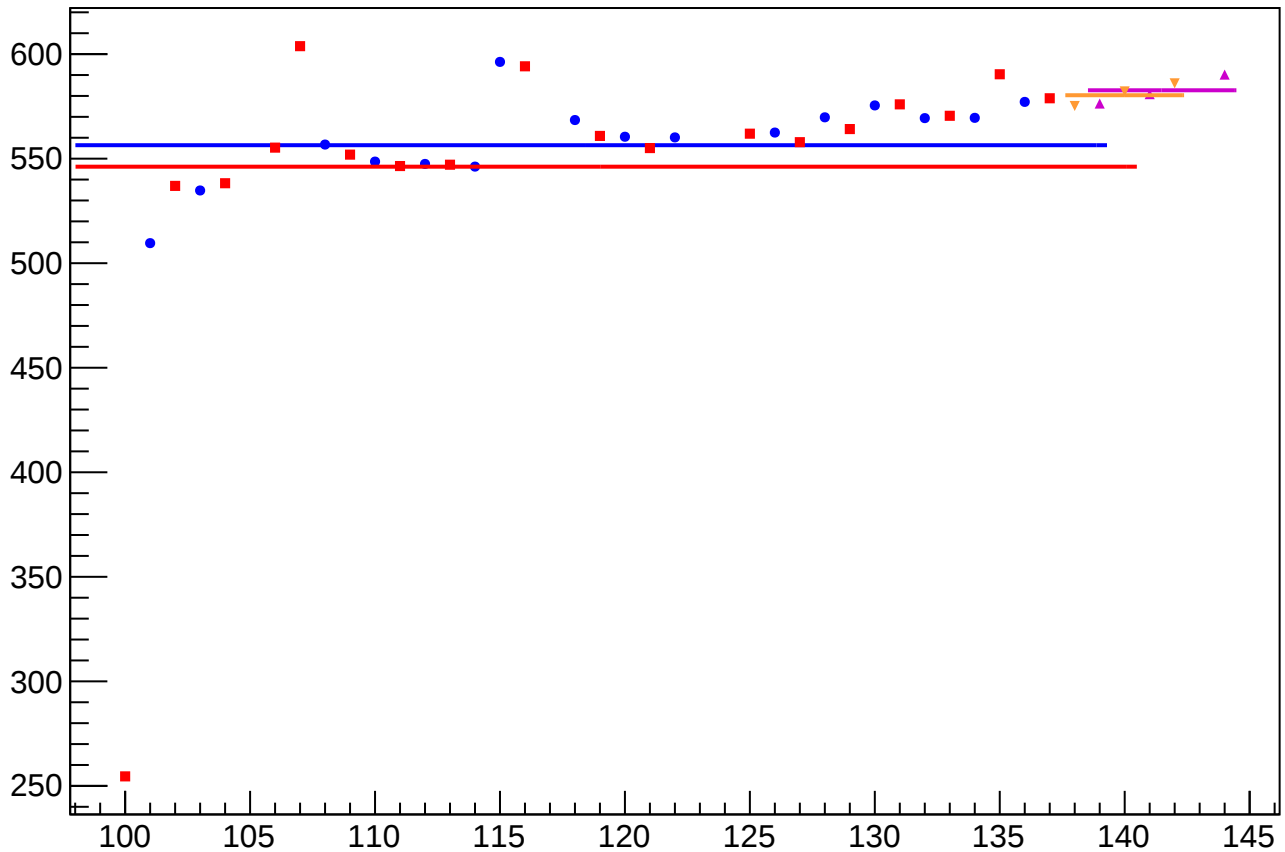
Left In: -925.361 $\pm$ 373.890 χ^2 /NDF:9.0/2

+ sign 847.859 $\pm$ 191.868 χ^2 /NDF: 6.4/18

All: -125.176 $\pm$ 132.013 χ^2 /NDF: 76.7/39

- sign -999.925 $\pm$ 181.919 χ^2 /NDF: 21.4/20

reg_asym_left_dd_rms vs Slug



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

Left Out: 580.339 $\pm$ 0.293 χ^2 /NDF: 214.8/2

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

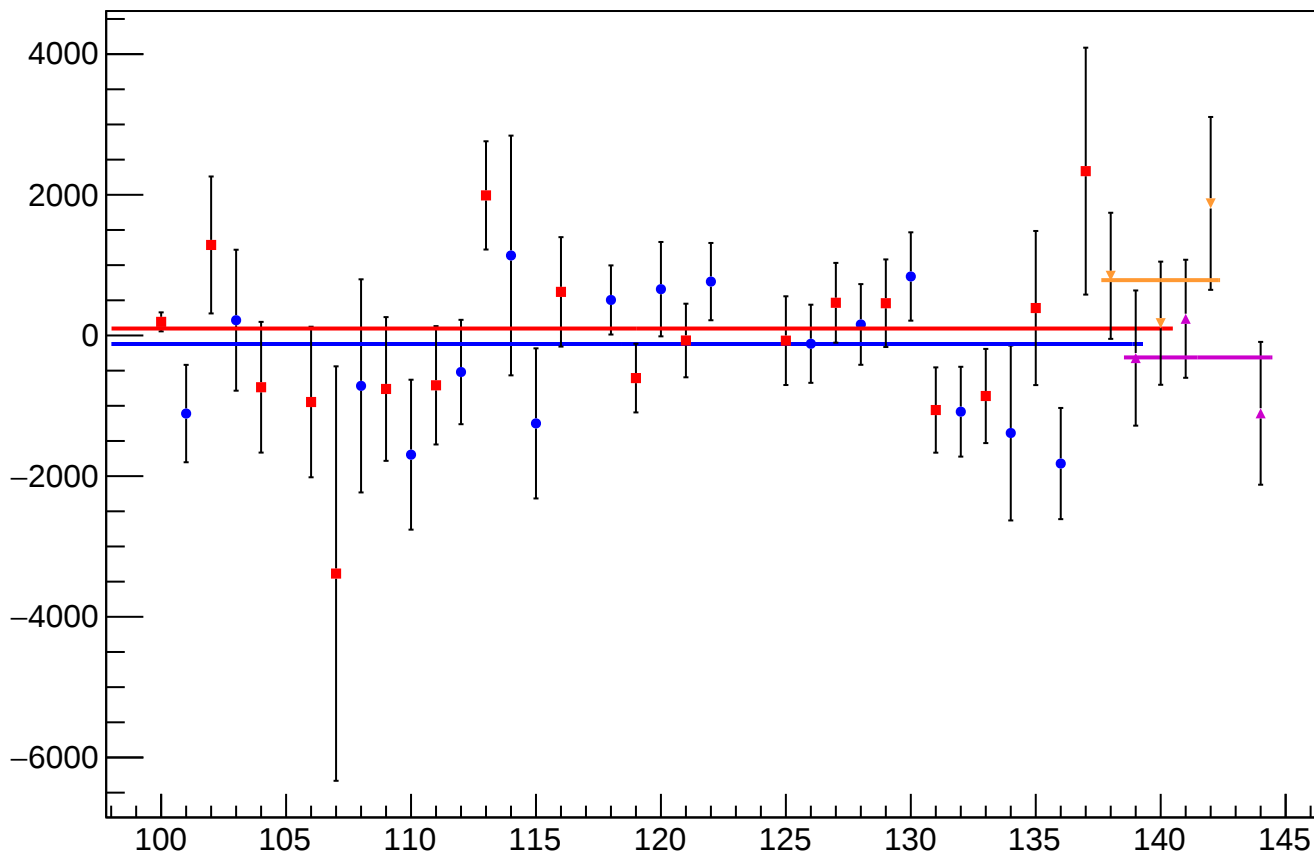
Left In: 582.707 $\pm$ 0.264 χ^2 /NDF: 470.6/2

+ sign 561.566 $\pm$ 0.136 χ^2 /NDF: 24026.4/18

All: 558.011 $\pm$ 0.093 χ^2 /NDF: 248518.5/39

- sign 554.814 $\pm$ 0.129 χ^2 /NDF: 223187.8/20

asym_left_dd_correction_mean vs Slug



Right In: -121.208 $\pm$ 180.699 χ^2 /NDF: 22.5/15

Left Out: 786.678 $\pm$ 558.082 χ^2 /NDF:1.3/2

Right Out: 98.790 $\pm$ 107.853 χ^2 /NDF: 23.7/17

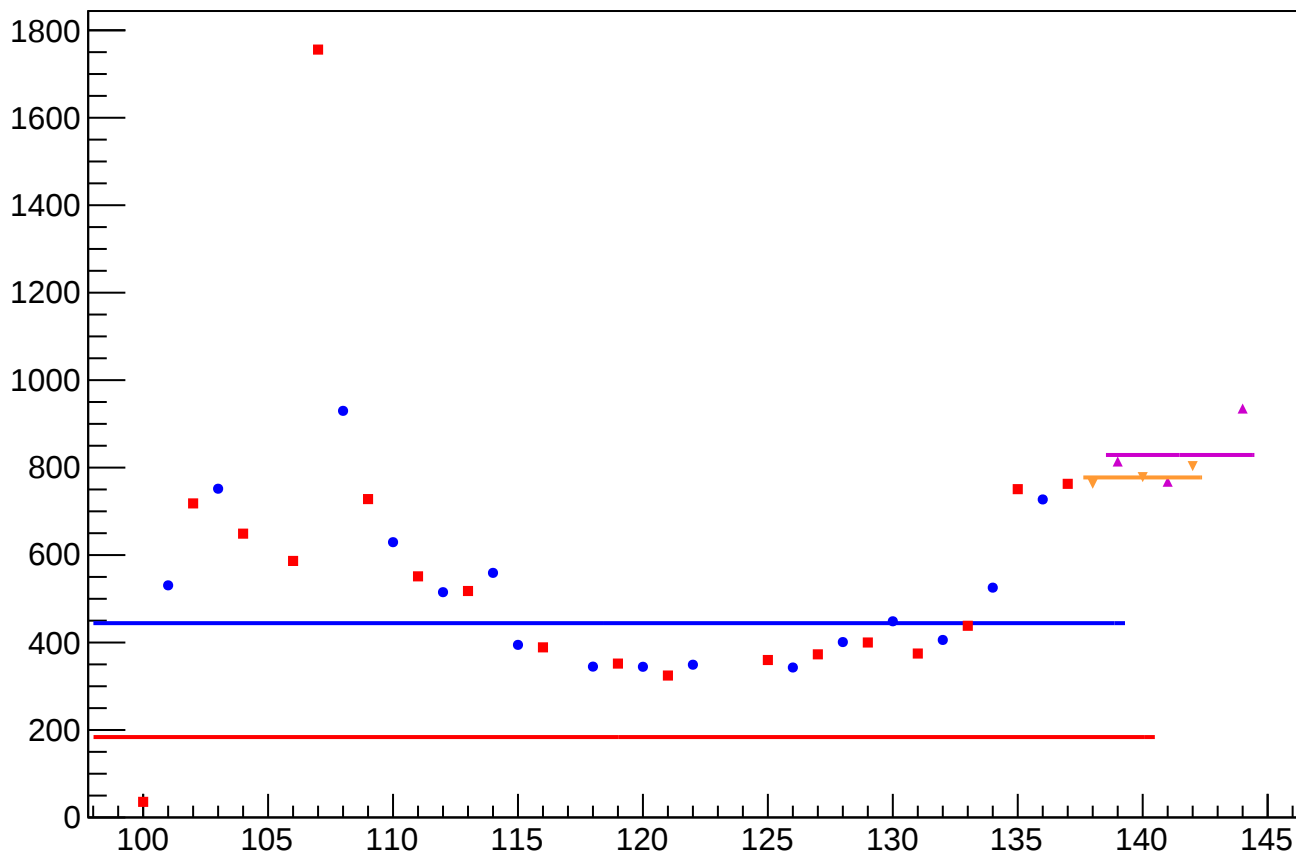
Left In: -312.080 $\pm$ 536.625 χ^2 /NDF:1.0/2

+ sign -35.059 $\pm$ 171.912 χ^2 /NDF: 26.2/18

All: 50.478 $\pm$ 90.065 χ^2 /NDF: 51.8/39

- sign 82.838 $\pm$ 105.738 χ^2 /NDF: 25.3/20

asym_left_dd_correction_rms vs Slug



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

Left Out: 777.498+/-0.395 χ^2/NDF :1405.2/2

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

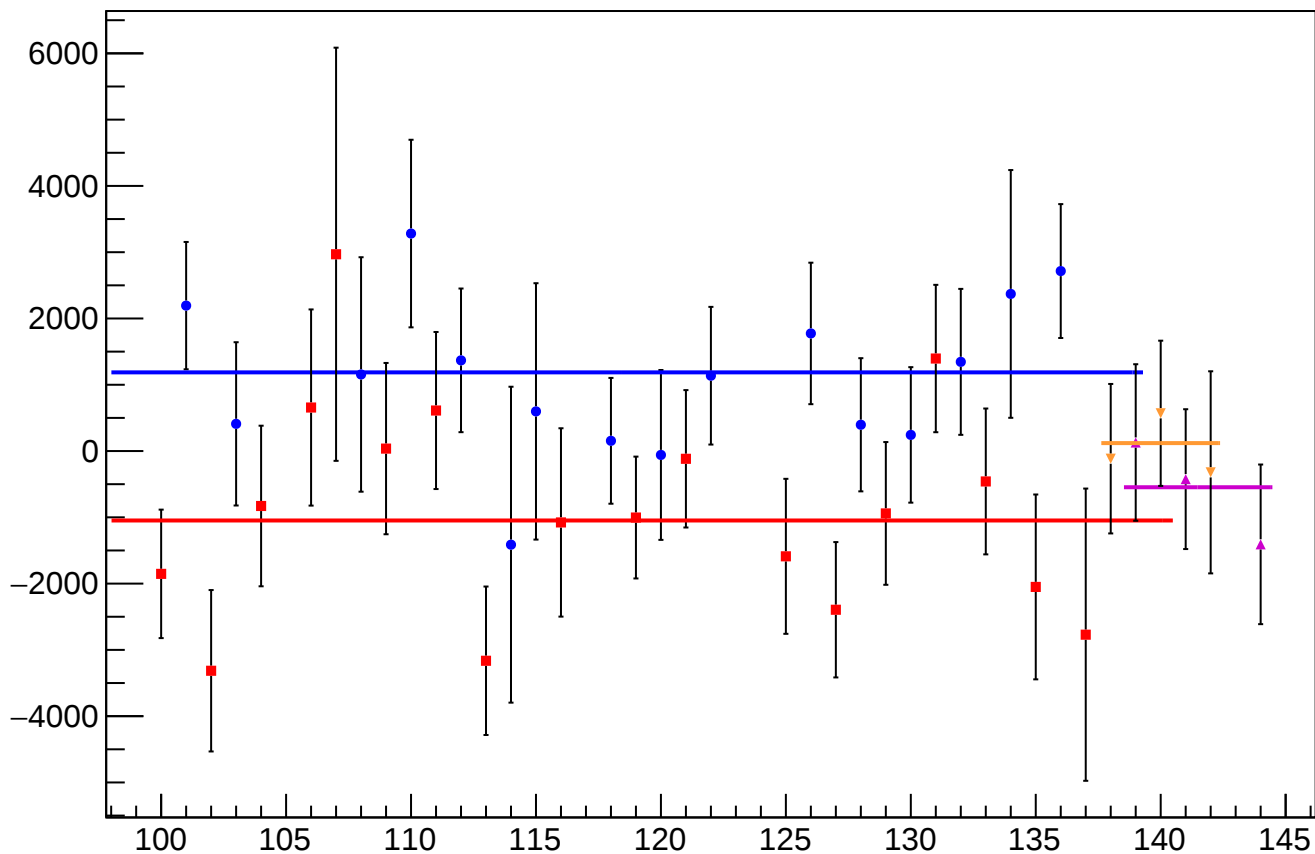
Left In: 828.892+/-0.379 χ^2/NDF :32976.7/2

+ sign 475.915+/-0.122 χ^2/NDF : 1699229.4/18

All: 282.173+/-0.064 χ^2/NDF : 16083254.2/39

- sign 208.878+/-0.075 χ^2/NDF : 10882880.6/20

asym_left_dd_mean vs Slug



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

Left Out: 119.849 $\pm$ 698.425 χ^2 /NDF: 0.3/2

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

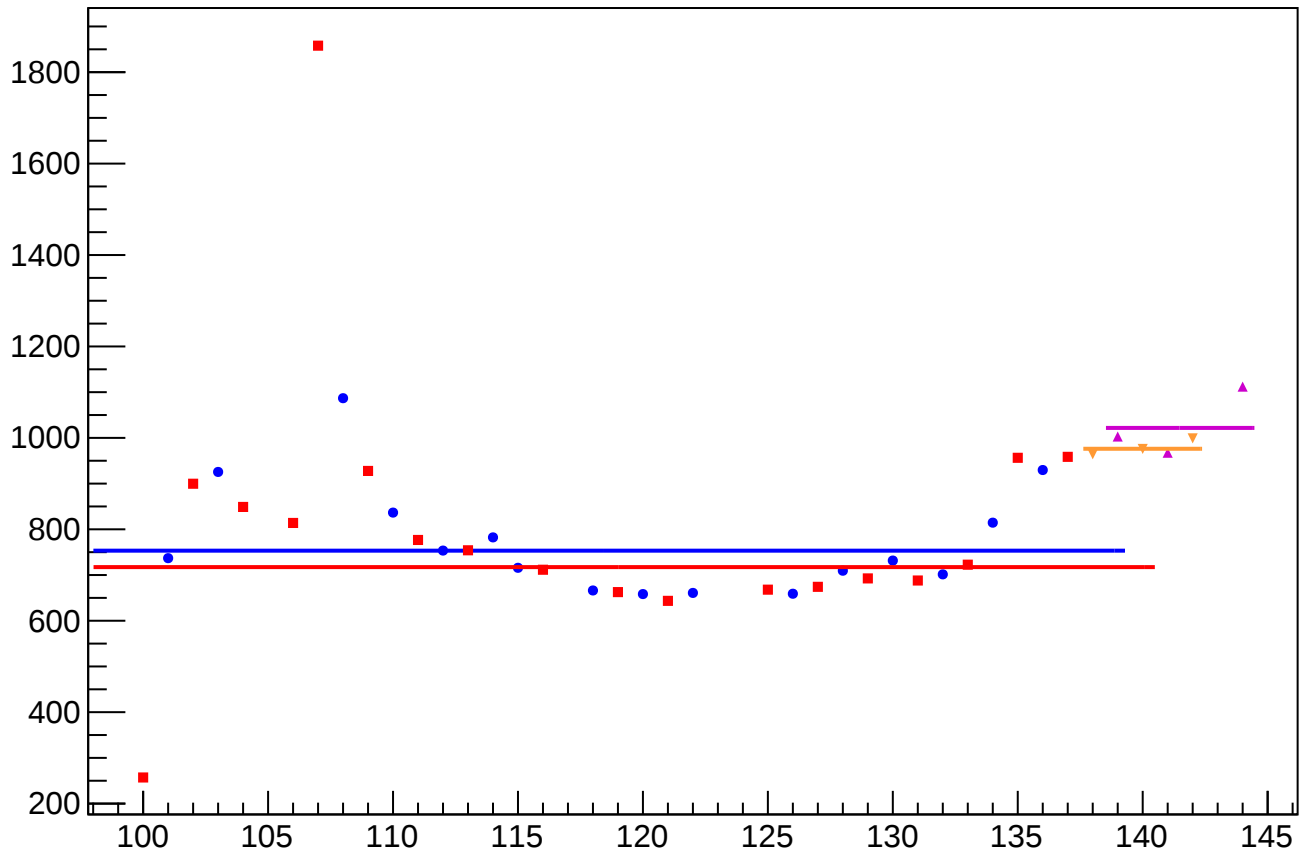
Left In: -546.141 $\pm$ 658.585 χ^2 /NDF: 0.9/2

+ sign 1024.572 $\pm$ 272.454 χ^2 /NDF: 13.9/18

All: -23.422 $\pm$ 187.699 χ^2 /NDF: 65.8/39

- sign -970.121 $\pm$ 258.952 χ^2 /NDF: 23.8/20

asym_left_dd_rms vs Slug



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

Left Out: 976.188 $\pm$ 0.494 χ^2 /NDF: 675.8/2

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

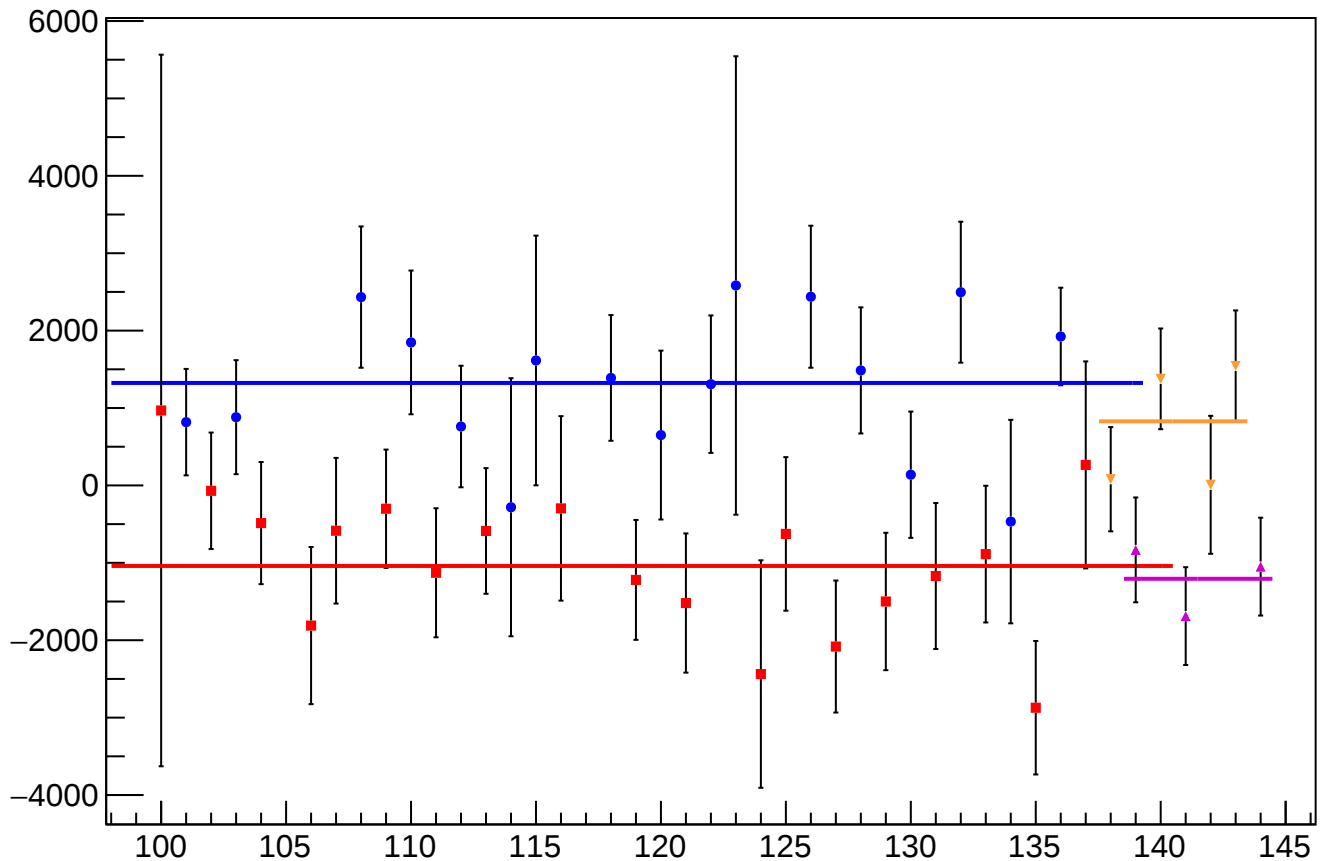
Left In: 1021.809 $\pm$ 0.466 χ^2 /NDF: 17057.2/2

+ sign 787.210 $\pm$ 0.193 χ^2 /NDF: 423711.7/18

All: 775.226 $\pm$ 0.133 χ^2 /NDF: 1775223.3/39

- sign 764.401 $\pm$ 0.183 χ^2 /NDF: 1344146.8/20

reg_asym_right_avg_mean vs Slug



Right In: 1324.051+/-218.600 χ^2/NDF : 12.8/16

Left Out: 828.233+/-358.795 χ^2/NDF : 3.8/3

Right Out: -1040.501+/-212.080 χ^2/NDF : 13.5/18

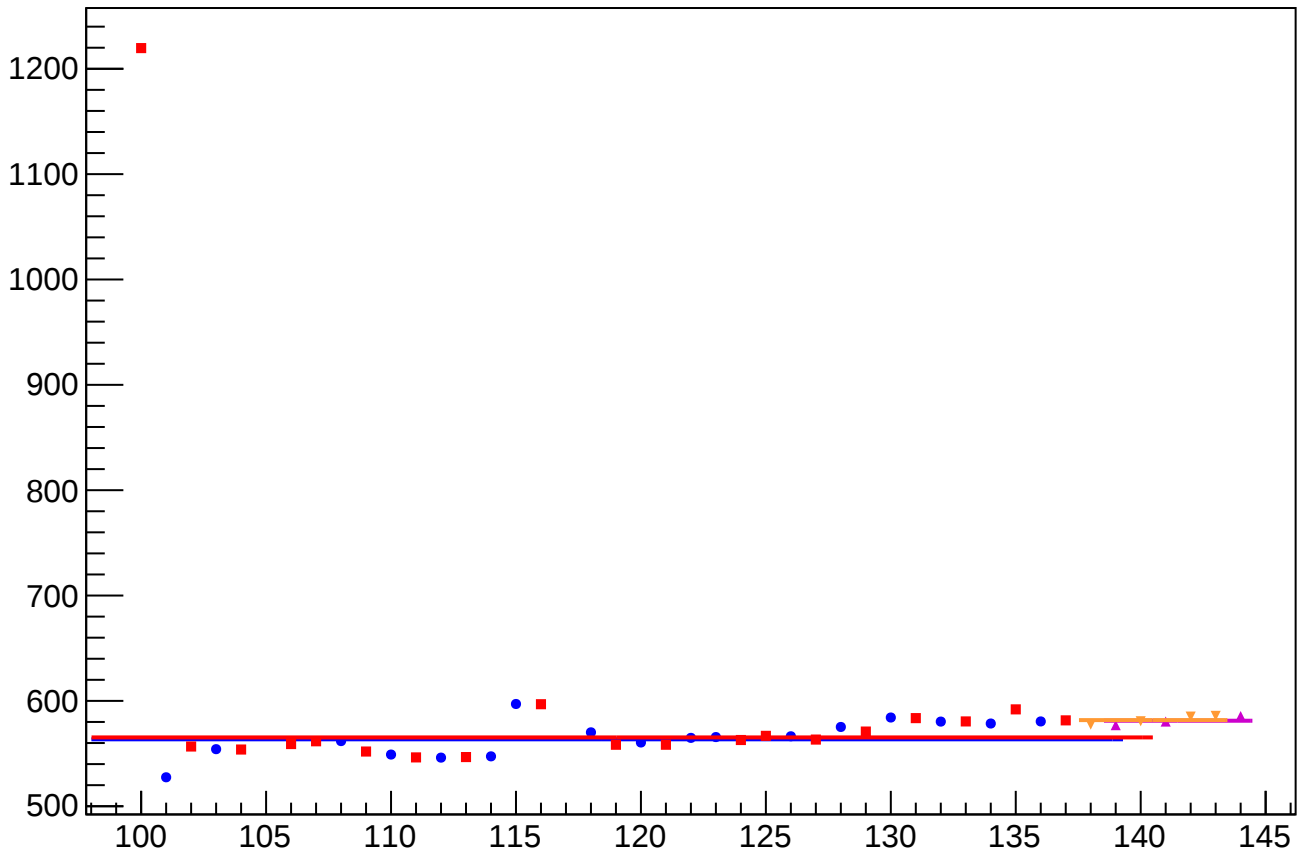
Left In: -1206.335+/-372.892 χ^2/NDF : 0.9/2

+ sign 1189.828+/-186.681 χ^2/NDF : 18.0/20

All: 40.130+/-131.171 χ^2/NDF : 107.5/42

- sign -1081.033+/-184.350 χ^2/NDF : 14.6/21

reg_asym_right_avg_rms vs Slug



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

Left Out: 581.752 $\pm$ 0.254 χ^2 /NDF:177.3/3

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

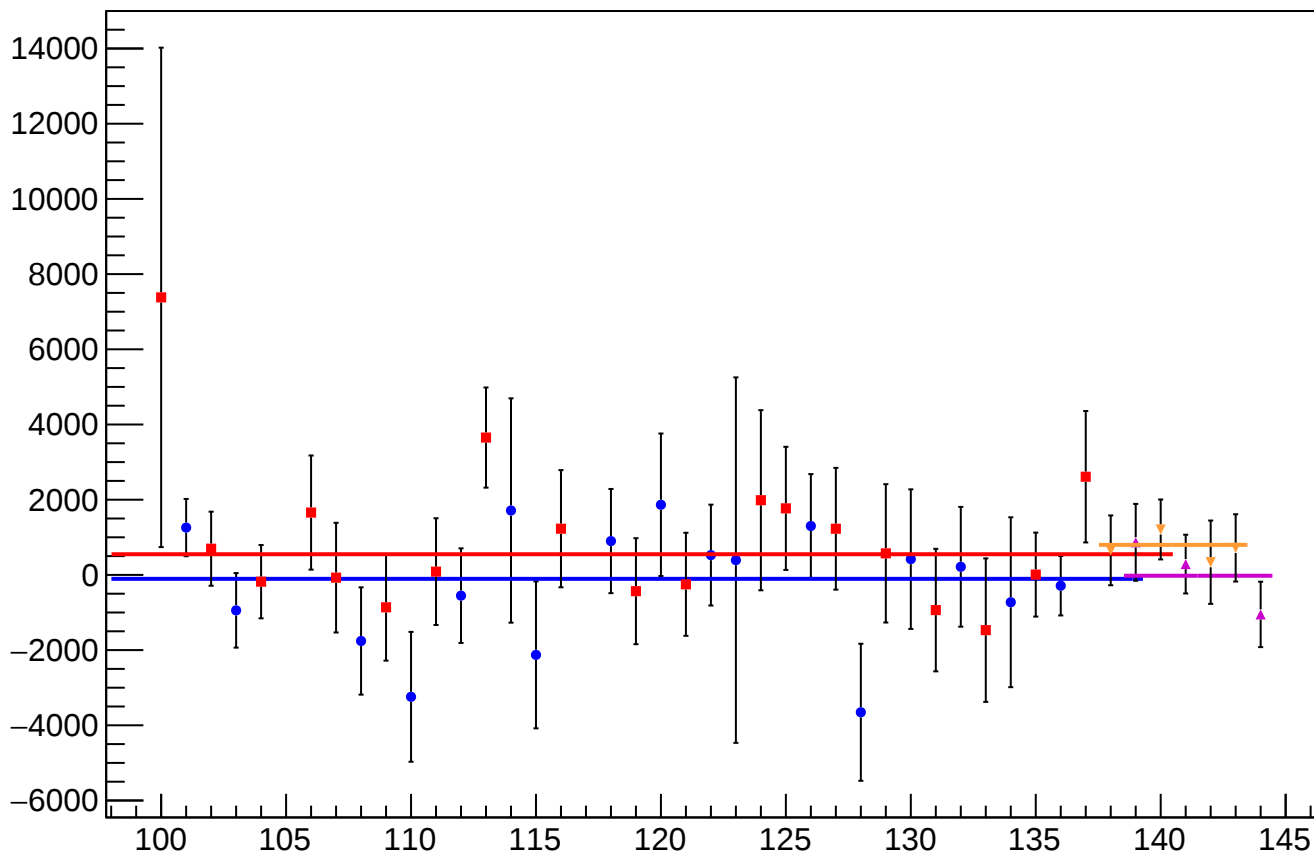
Left In: 581.166 $\pm$ 0.264 χ^2 /NDF:179.2/2

+ sign 568.457 $\pm$ 0.132 χ^2 /NDF: 16557.5/20

All: 568.832 $\pm$ 0.093 χ^2 /NDF: 68825.9/42

- sign 569.198 $\pm$ 0.130 χ^2 /NDF: 52252.5/21

asym_right_avg_correction_mean vs Slug



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

Left Out: 798.914 ± 456.502 χ^2/NDF : 0.5/3

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

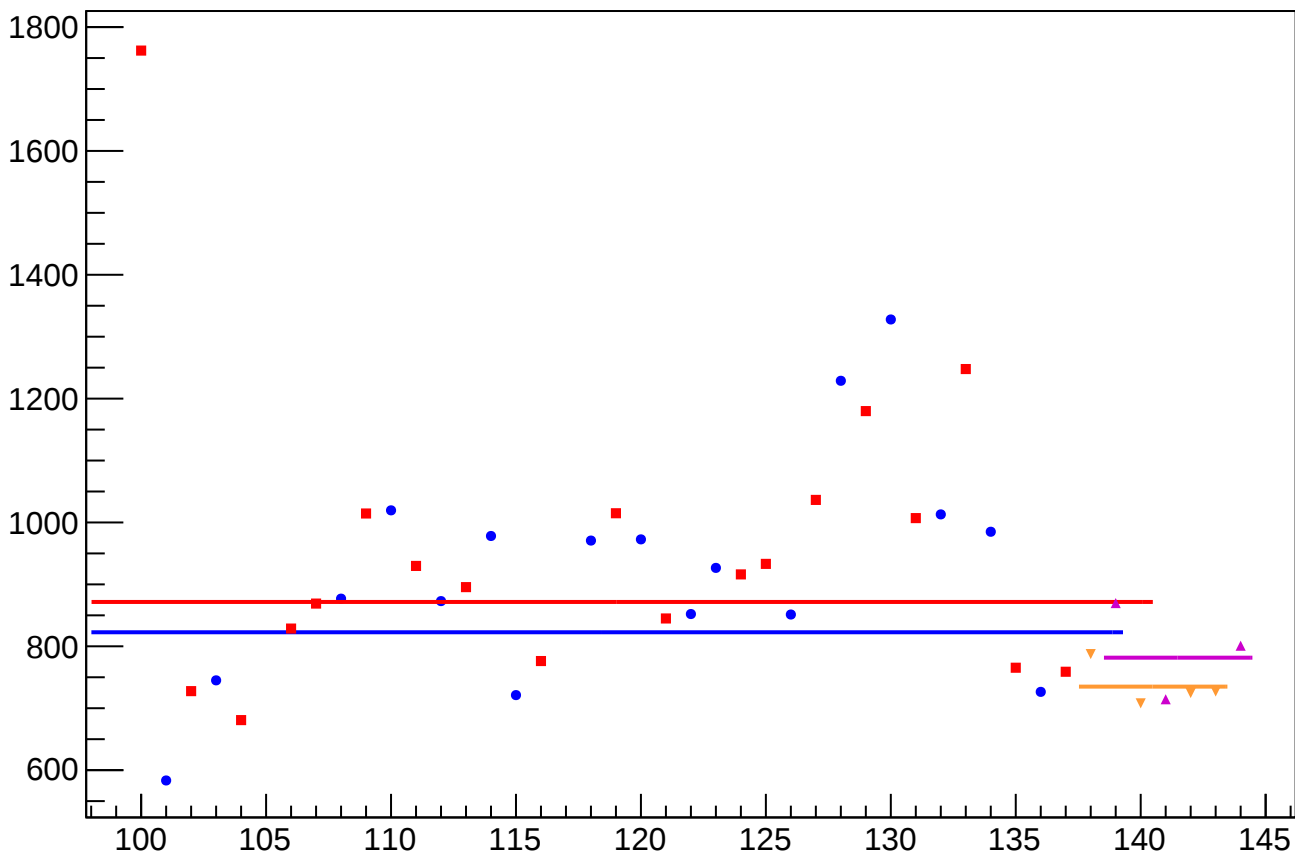
Left In: -22.440 ± 505.231 χ^2/NDF : 2.3/2

+ sign 203.217 ± 266.514 χ^2/NDF : 20.1/20

All: 286.143 ± 192.396 χ^2/NDF : 38.1/42

- sign 376.389 ± 278.028 χ^2/NDF : 17.8/21

asym_right_avg_correction_rms vs Slug



Right In: 822.664 $\pm$ 0.232 χ^2 /NDF: 606735.8/16

Left Out: 734.896 $\pm$ 0.323 χ^2 /NDF: 9036.8/3

Right Out: 871.621 $\pm$ 0.235 χ^2 /NDF: 408427.2/18

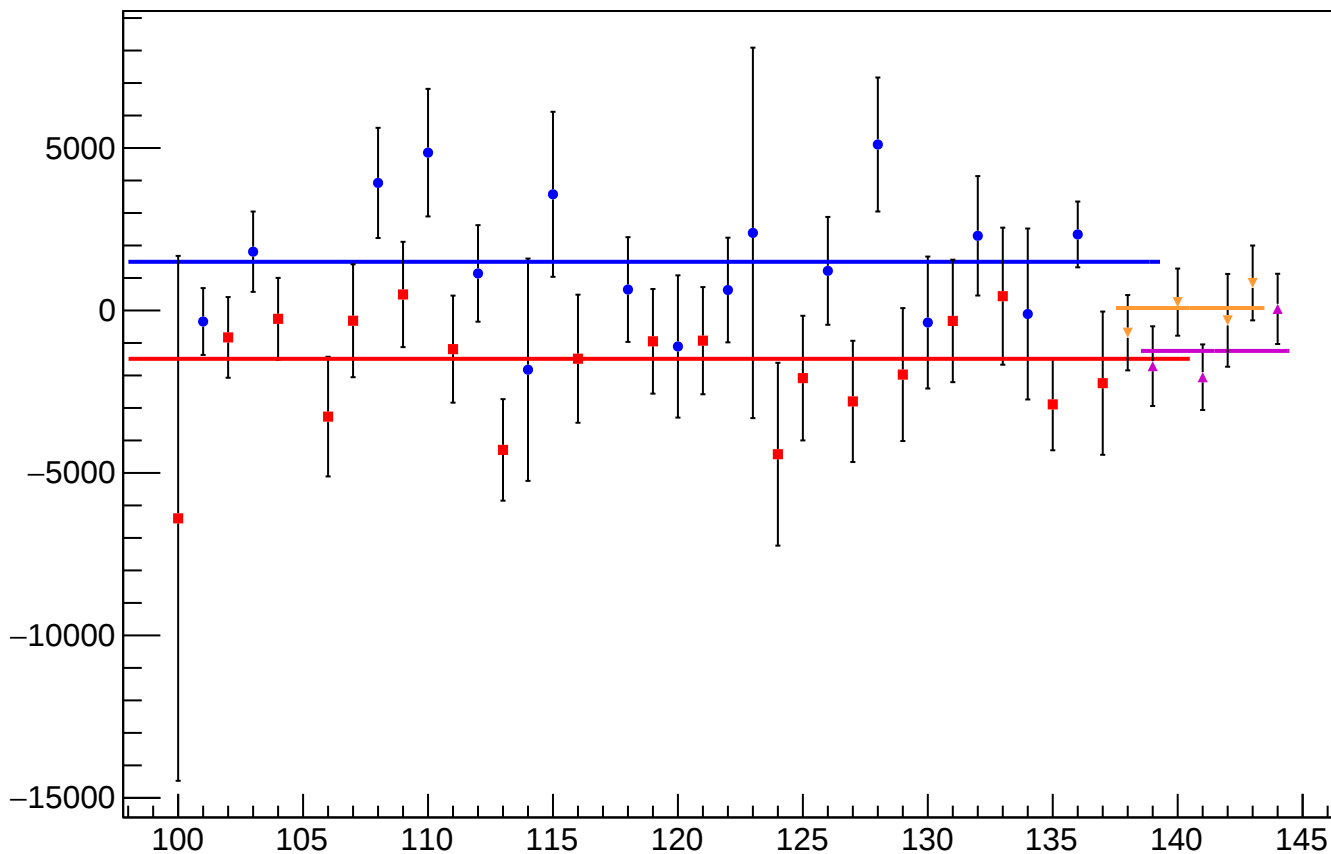
Left In: 781.636 $\pm$ 0.357 χ^2 /NDF: 30655.5/2

+ sign 792.749 $\pm$ 0.188 χ^2 /NDF: 664503.8/20

All: 817.469 $\pm$ 0.136 χ^2 /NDF: 1183749.0/42

- sign 844.371 $\pm$ 0.197 χ^2 /NDF: 483313.8/21

asym_right_avg_mean vs Slug



Right In: 1497.967 $\pm$ 402.667 χ^2 /NDF: 17.1/16

Left Out: 75.727 $\pm$ 584.583 χ^2 /NDF:1.0/3

Right Out: -1487.754 $\pm$ 400.718 χ^2 /NDF: 12.0/18

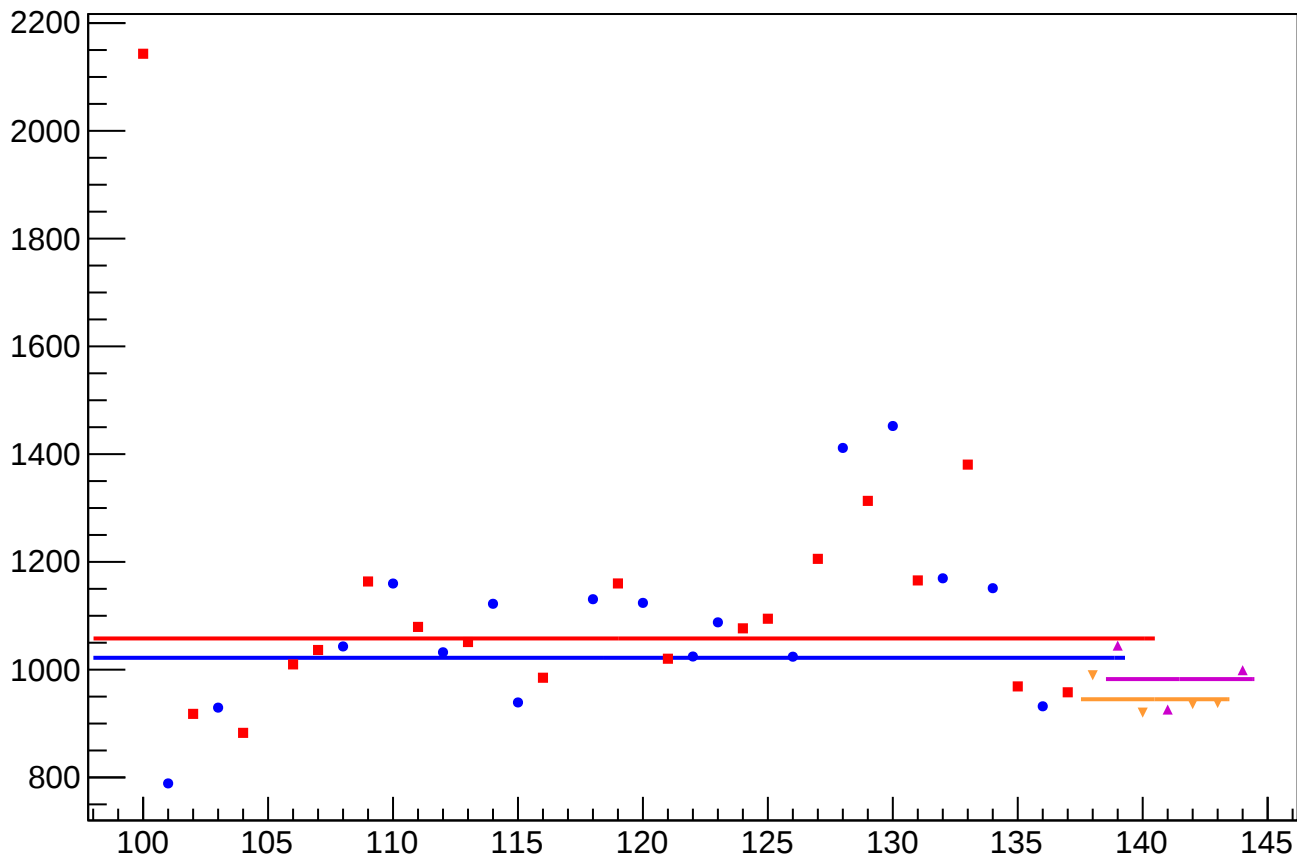
Left In: -1244.625 $\pm$ 632.268 χ^2 /NDF:2.2/2

+ sign 1040.311 $\pm$ 331.611 χ^2 /NDF: 22.1/20

All: -163.739 $\pm$ 236.871 χ^2 /NDF: 63.4/42

- sign -1418.081 $\pm$ 338.466 χ^2 /NDF: 14.3/21

asym_right_avg_rms vs Slug



Right In: 1022.011+/-0.285 χ^2/NDF : 336507.1/16

Left Out: 945.092+/-0.413 χ^2/NDF : 4261.7/3

Right Out: 1057.901+/-0.283 χ^2/NDF : 232484.1/18

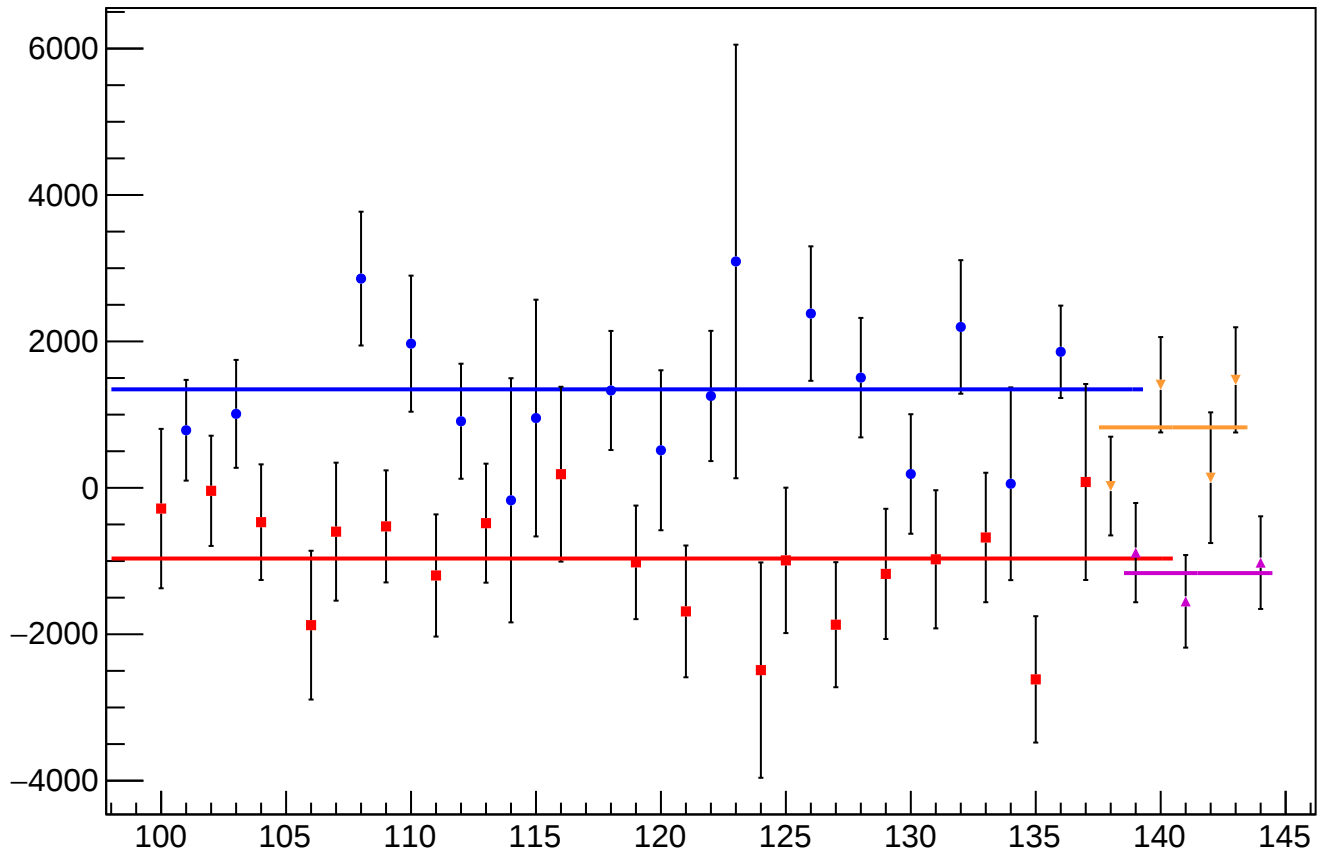
Left In: 982.506+/-0.447 χ^2/NDF : 11873.2/2

+ sign 997.260+/-0.234 χ^2/NDF : 364252.7/20

All: 1016.378+/-0.167 χ^2/NDF : 642472.3/42

- sign 1036.295+/-0.239 χ^2/NDF : 264646.6/21

reg_asym_right_dd_mean vs Slug



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

Left Out: 826.152 $\pm$ 359.207 χ^2 /NDF:3.6/3

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

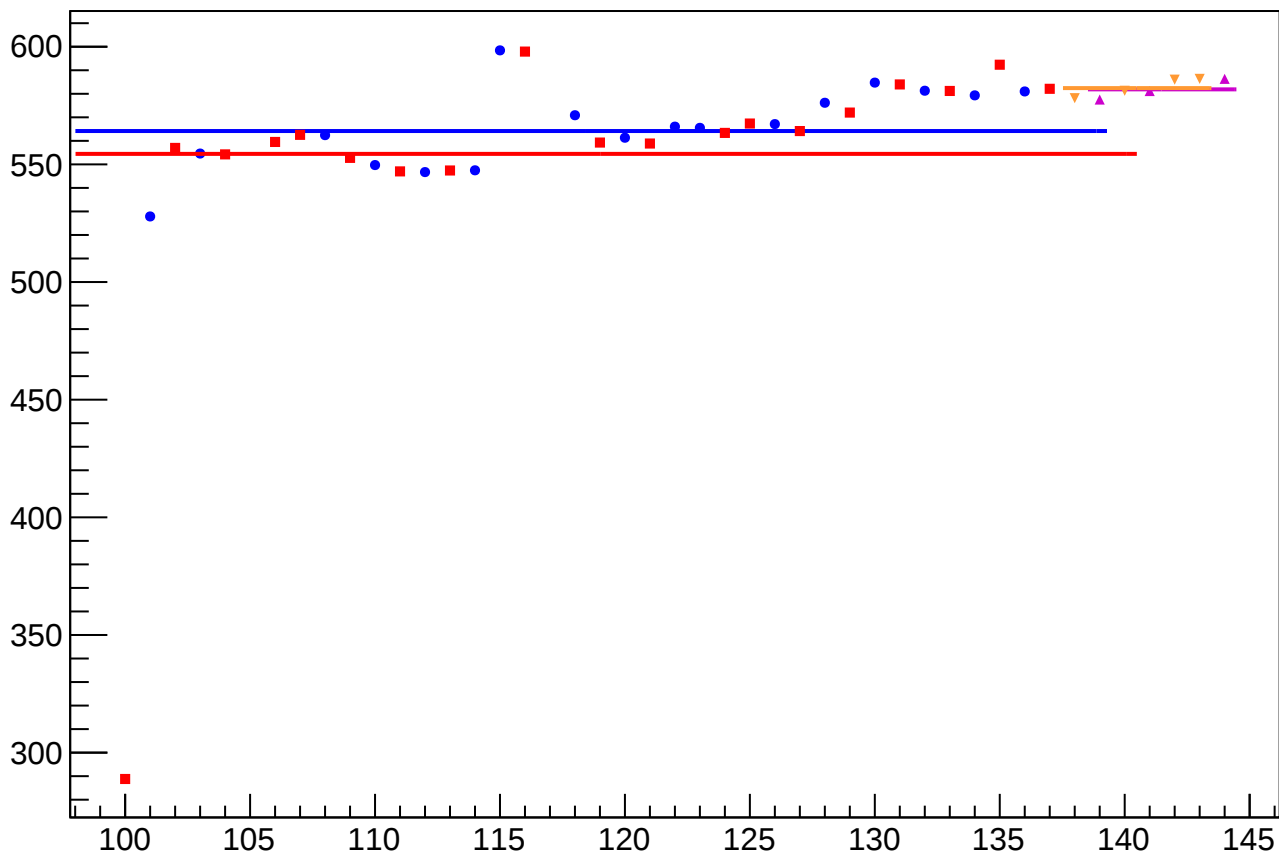
Left In: -1164.470 $\pm$ 373.352 χ^2 /NDF:0.6/2

+ sign 1204.831 $\pm$ 186.897 χ^2 /NDF: 17.1/20

All: 67.271 $\pm$ 130.432 χ^2 /NDF: 102.4/42

- sign -1012.793 $\pm$ 182.113 χ^2 /NDF: 13.0/21

reg_asym_right_dd_rms vs Slug



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

Left Out: 582.418 $\pm$ 0.254 χ^2 /NDF:178.9/3

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

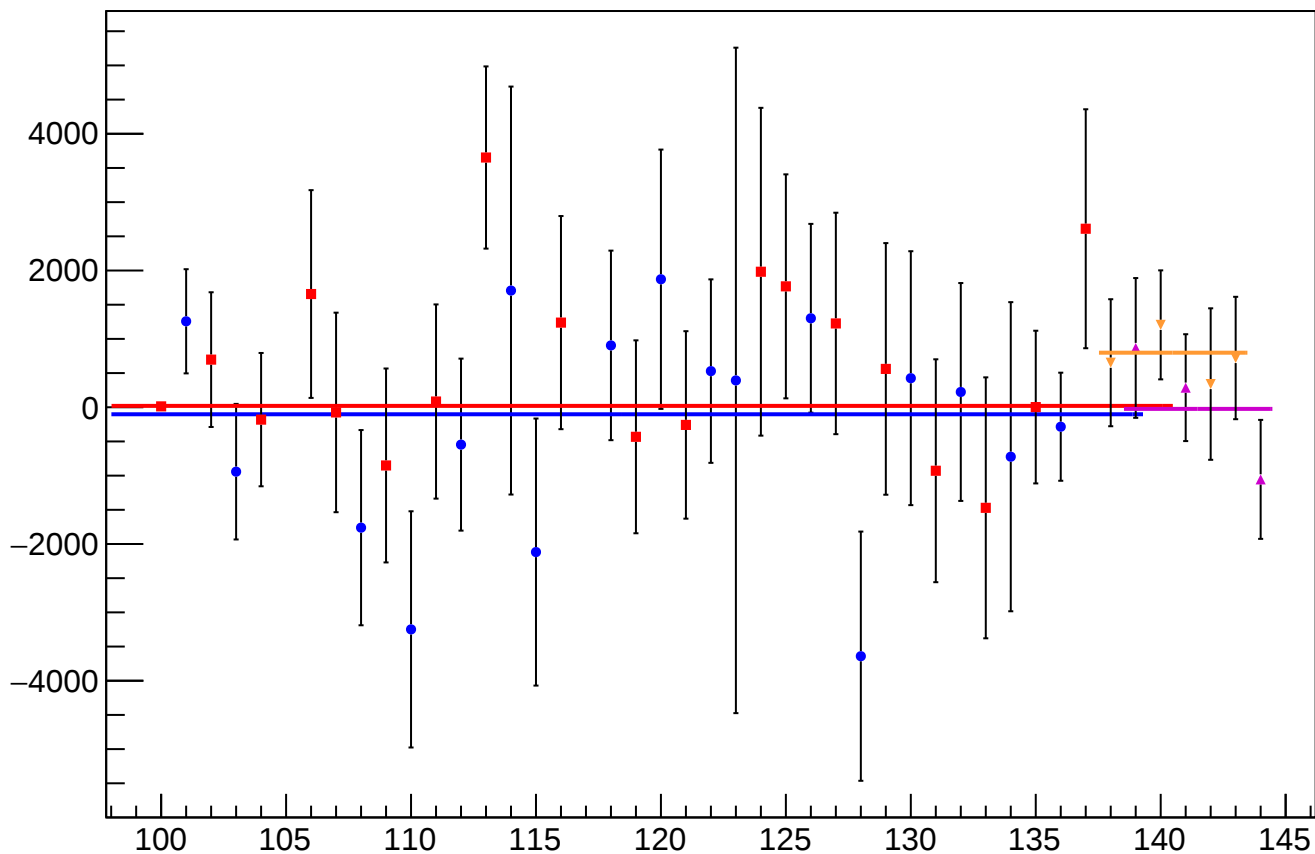
Left In: 581.881 $\pm$ 0.264 χ^2 /NDF:183.9/2

+ sign 569.113 $\pm$ 0.132 χ^2 /NDF: 16701.1/20

All: 564.944 $\pm$ 0.092 χ^2 /NDF: 159435.7/42

- sign 560.986 $\pm$ 0.129 χ^2 /NDF: 140794.6/21

asym_right_dd_correction_mean vs Slug



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

Left Out: 798.040 ± 456.652 χ^2/NDF : 0.5/3

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

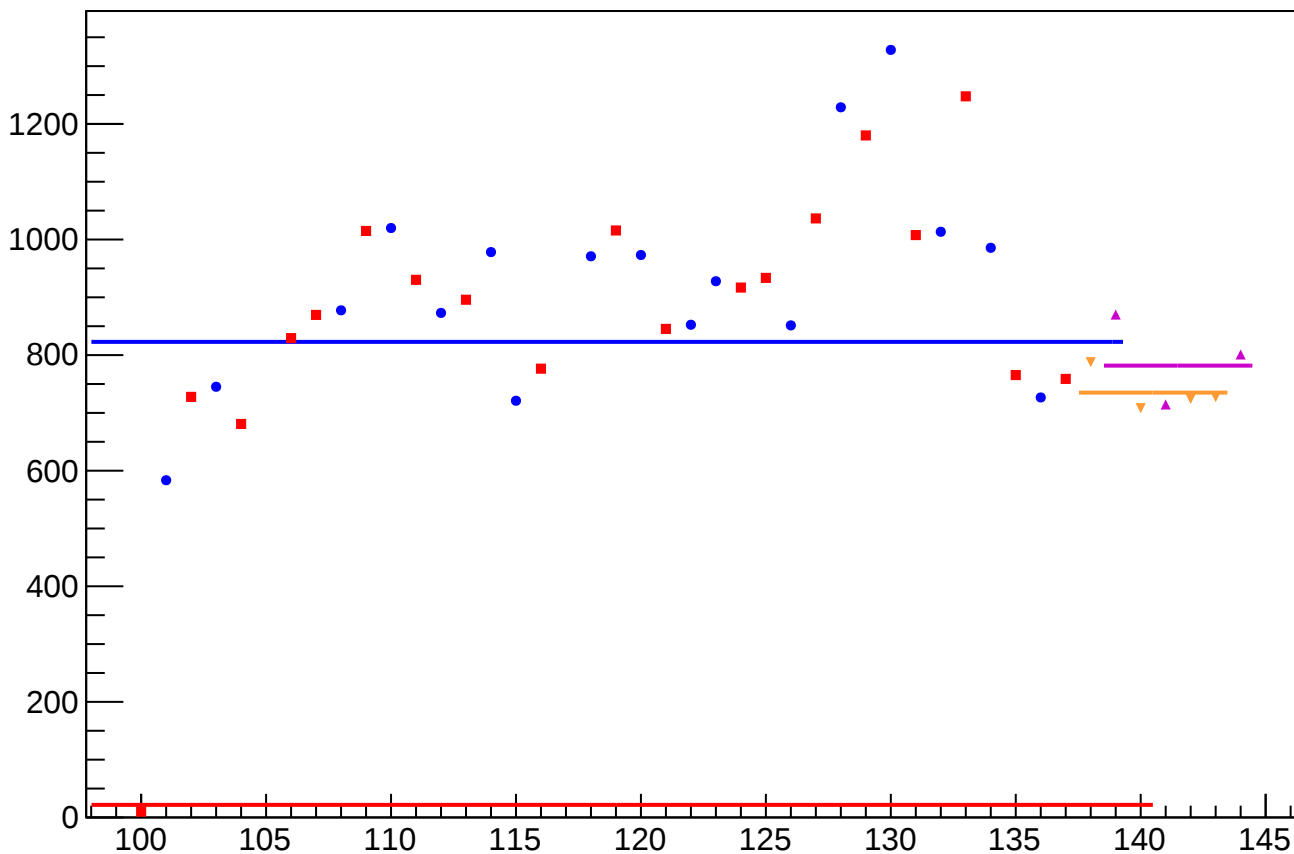
Left In: -23.824 ± 505.360 χ^2/NDF : 2.3/2

+ sign 204.406 ± 266.597 χ^2/NDF : 20.1/20

All: 23.657 ± 38.434 χ^2/NDF : 38.7/42

- sign 19.820 ± 38.840 χ^2/NDF : 18.2/21

asym_right_dd_correction_rms vs Slug



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

Left Out: 735.119 $\pm$ 0.323 χ^2/NDF : 9052.6/3

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

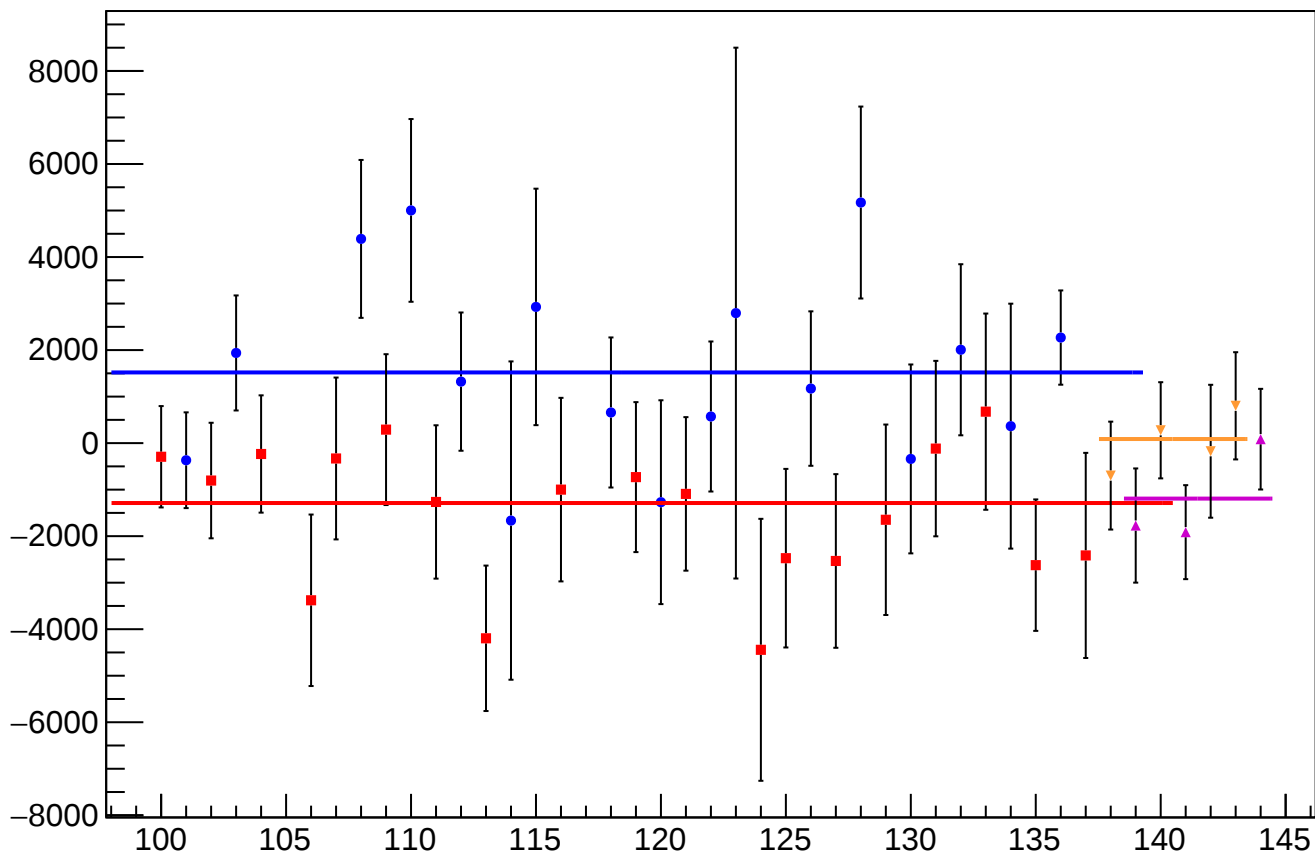
Left In: 781.815 $\pm$ 0.357 χ^2/NDF : 30731.2/2

+ sign 792.991 $\pm$ 0.189 χ^2/NDF : 664442.4/20

All: 42.196 $\pm$ 0.027 χ^2/NDF : 34869212.1/42

- sign 26.261 $\pm$ 0.027 χ^2/NDF : 18005983.0/21

asym_right_dd_mean vs Slug



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

Left Out: 88.113 $\pm$ 584.971 χ^2 /NDF:0.9/3

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

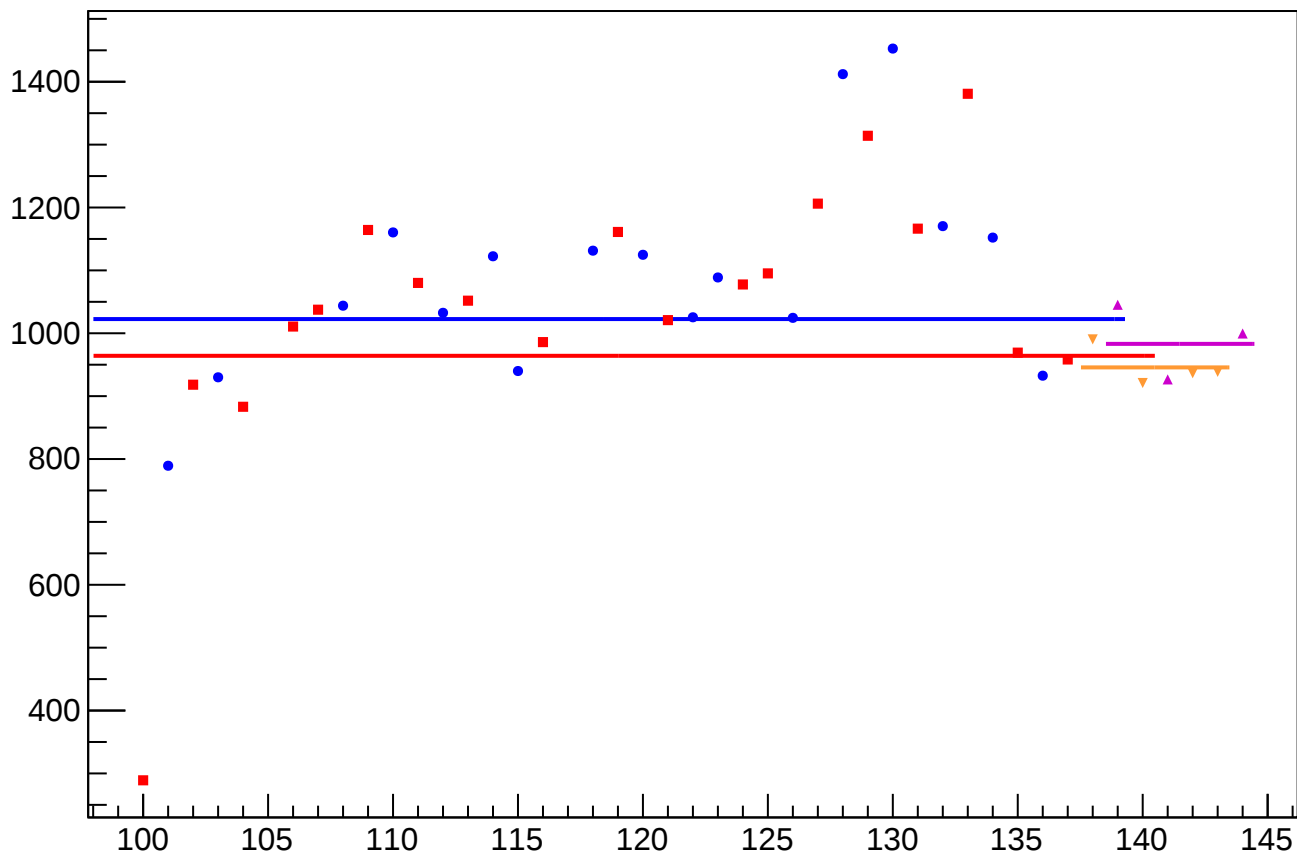
Left In: -1192.478 $\pm$ 632.675 χ^2 /NDF:2.1/2

+ sign 1058.958 $\pm$ 331.807 χ^2 /NDF: 22.8/20

All: -130.709 $\pm$ 231.688 χ^2 /NDF: 62.4/42

- sign -1262.659 $\pm$ 323.658 χ^2 /NDF: 14.5/21

asym_right_dd_rms vs Slug



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

Left Out: 945.712+/-0.414 χ^2/NDF : 4266.8/3

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

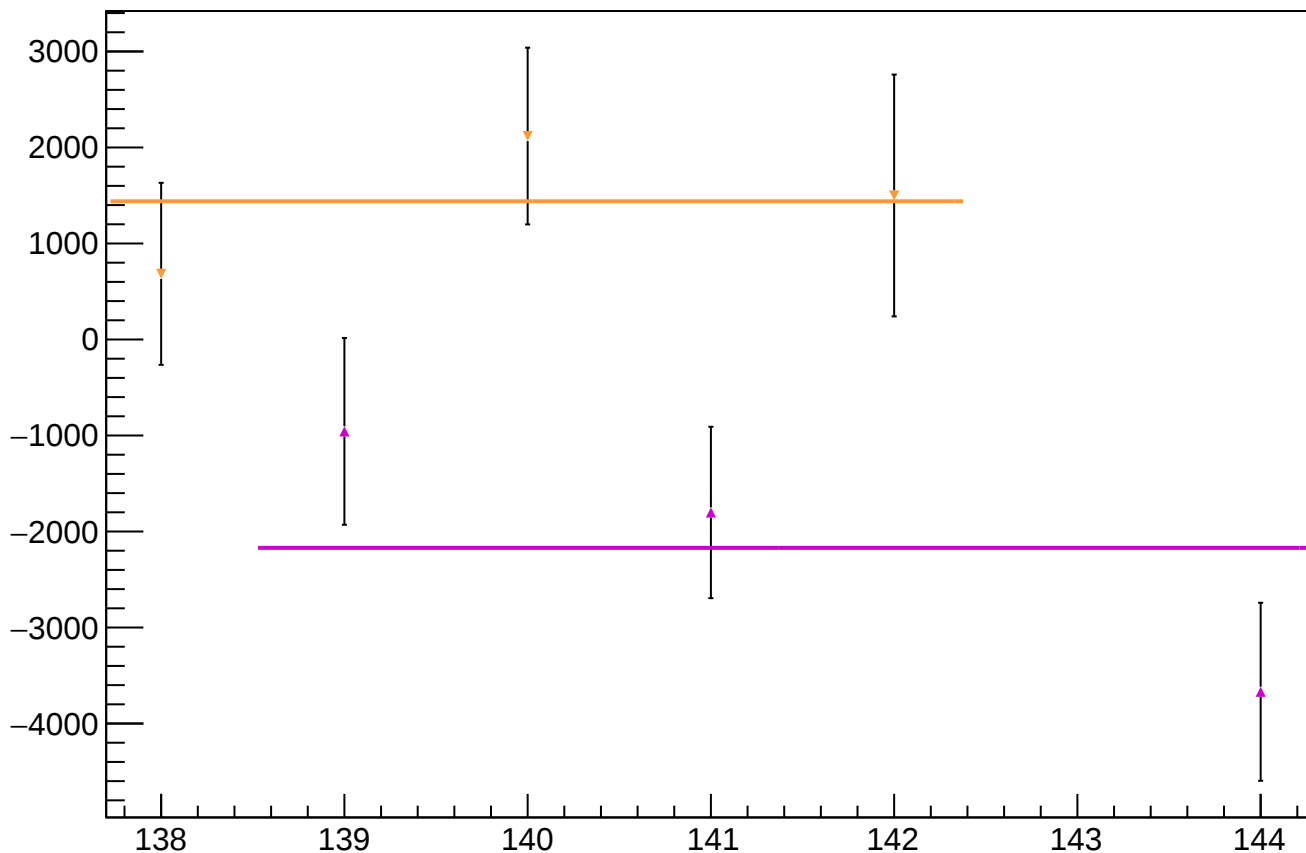
Left In: 983.137+/-0.447 χ^2/NDF : 11858.9/2

+ sign 997.851+/-0.235 χ^2/NDF : 364126.0/20

All: 983.127+/-0.164 χ^2/NDF : 1453768.2/42

- sign 969.118+/-0.229 χ^2/NDF : 1081957.5/21

cor_asym_us_avg_mean vs Slug



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

Left Out: 1439.375+/-584.844 χ^2/NDF : 1.2/2

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

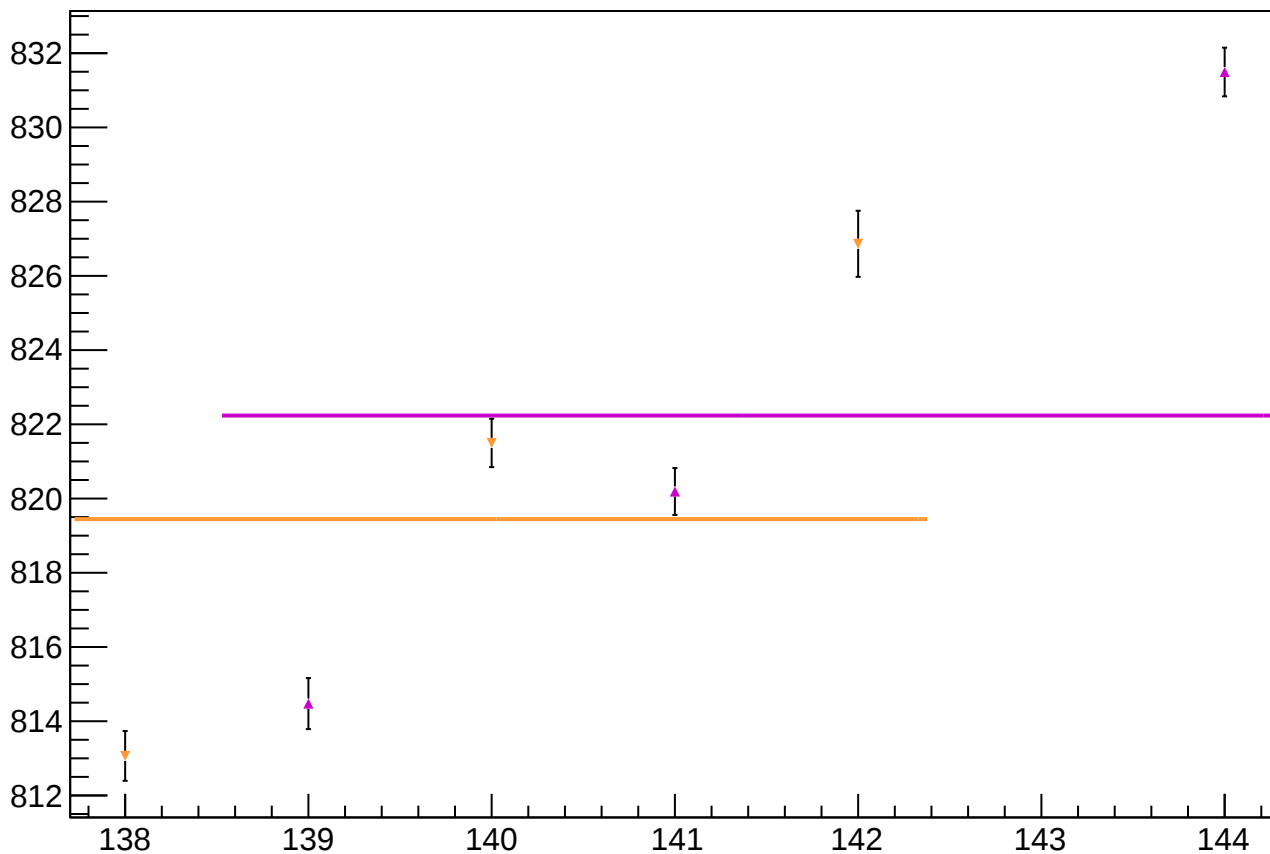
Left In: -2170.014+/-536.419 χ^2/NDF : 4.3/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -520.908+/-395.318 χ^2/NDF : 26.2/5

- 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: 819.446+/-0.414 χ^2/NDF : 169.9/2

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

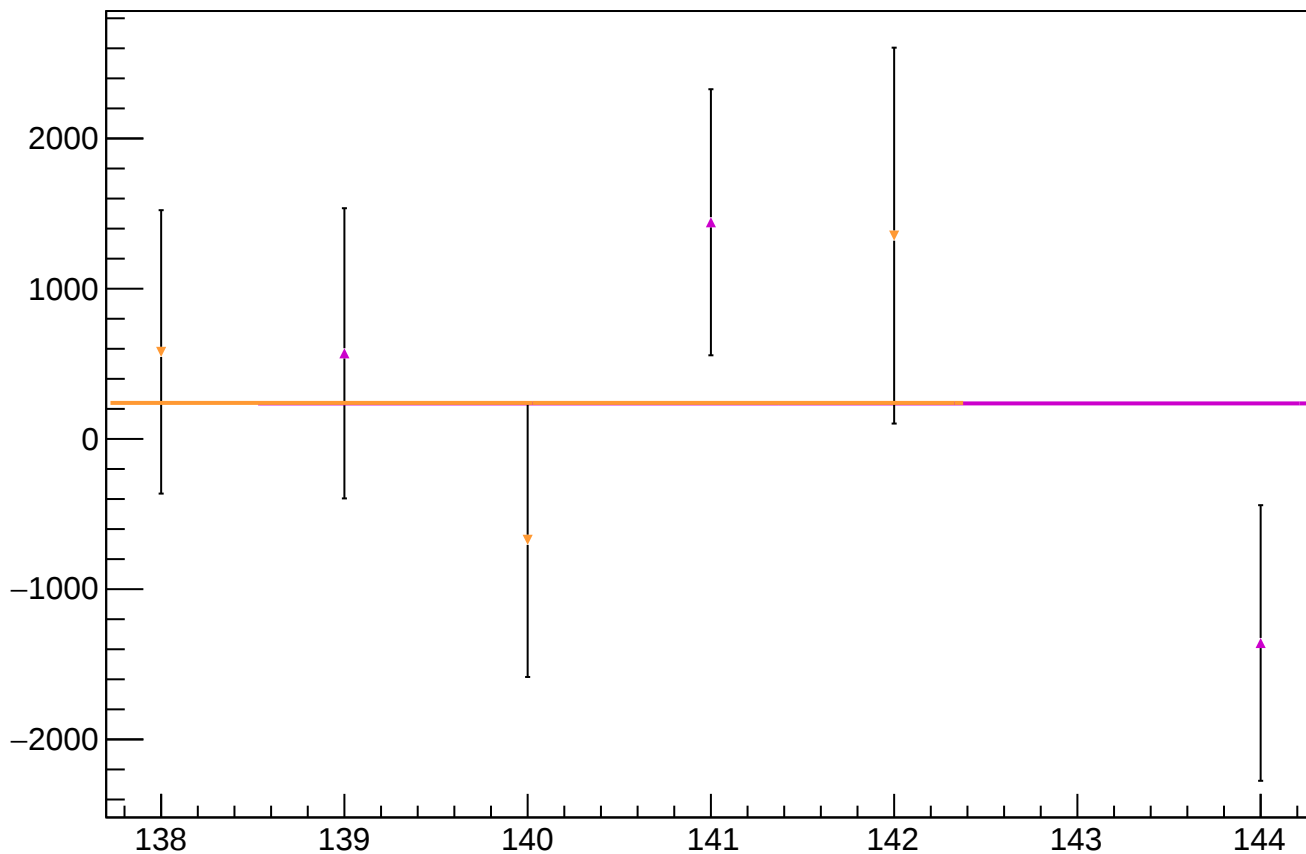
Left In: 822.236+/-0.379 χ^2/NDF : 337.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 820.961+/-0.280 χ^2/NDF : 531.8/5

- 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: 239.858+/-581.001 χ^2/NDF : 1.9/2

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

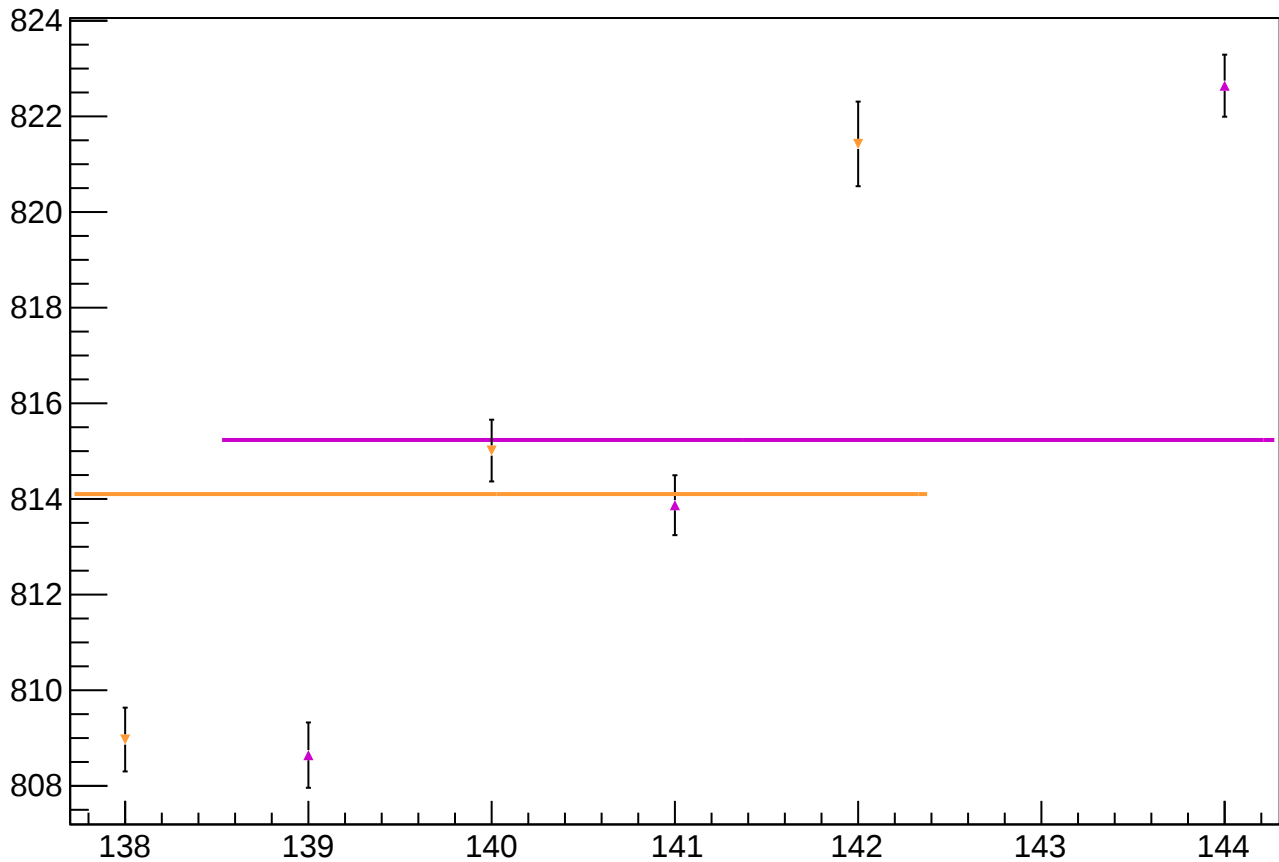
Left In: 236.434+/-531.816 χ^2/NDF : 5.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 237.995+/-392.289 χ^2/NDF : 6.9/5

- 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: 814.102+/-0.411 χ^2/NDF :129.7/2

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

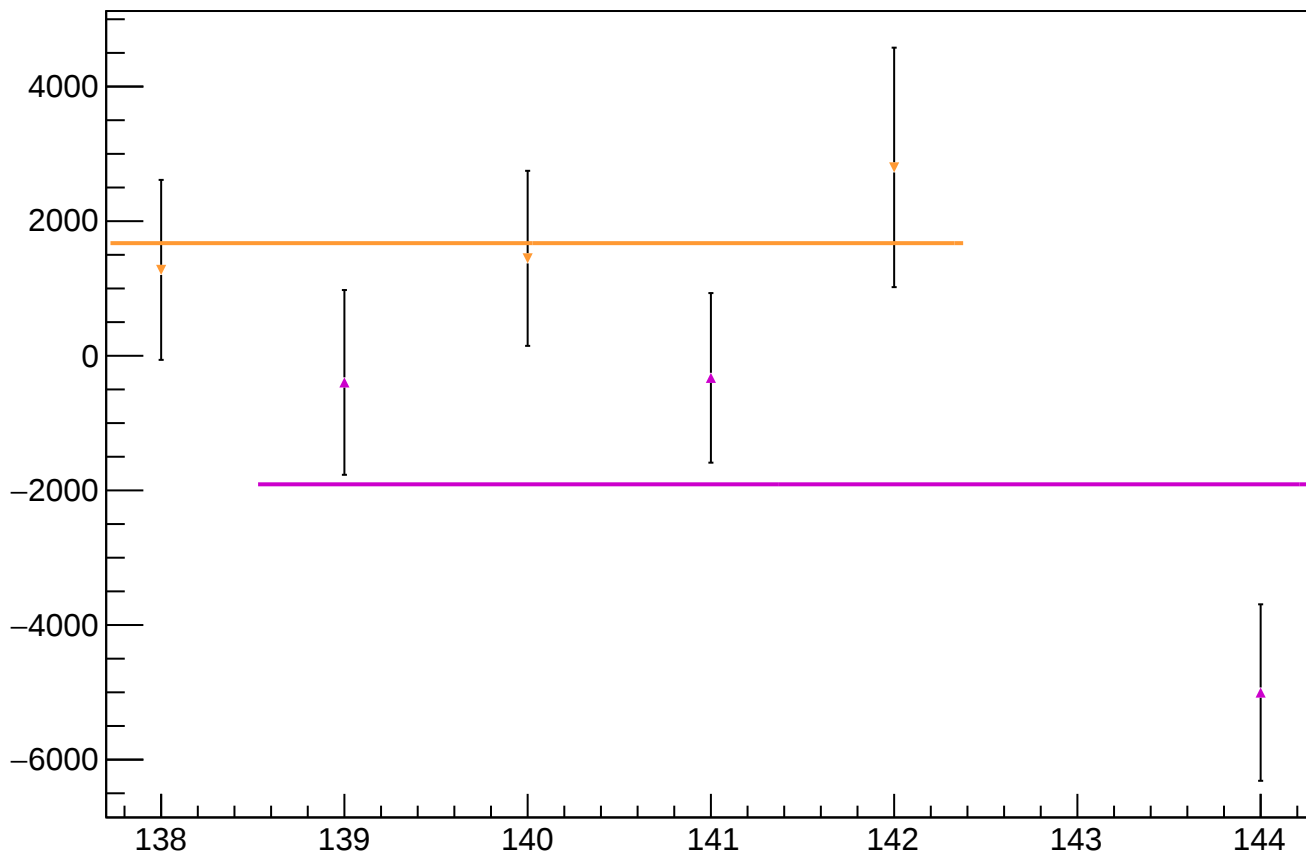
Left In: 815.234+/-0.376 χ^2/NDF :228.3/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 814.718+/-0.277 χ^2/NDF : 362.2/5

- 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: 1673.424+/-825.692 χ^2/NDF : 0.5/2

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

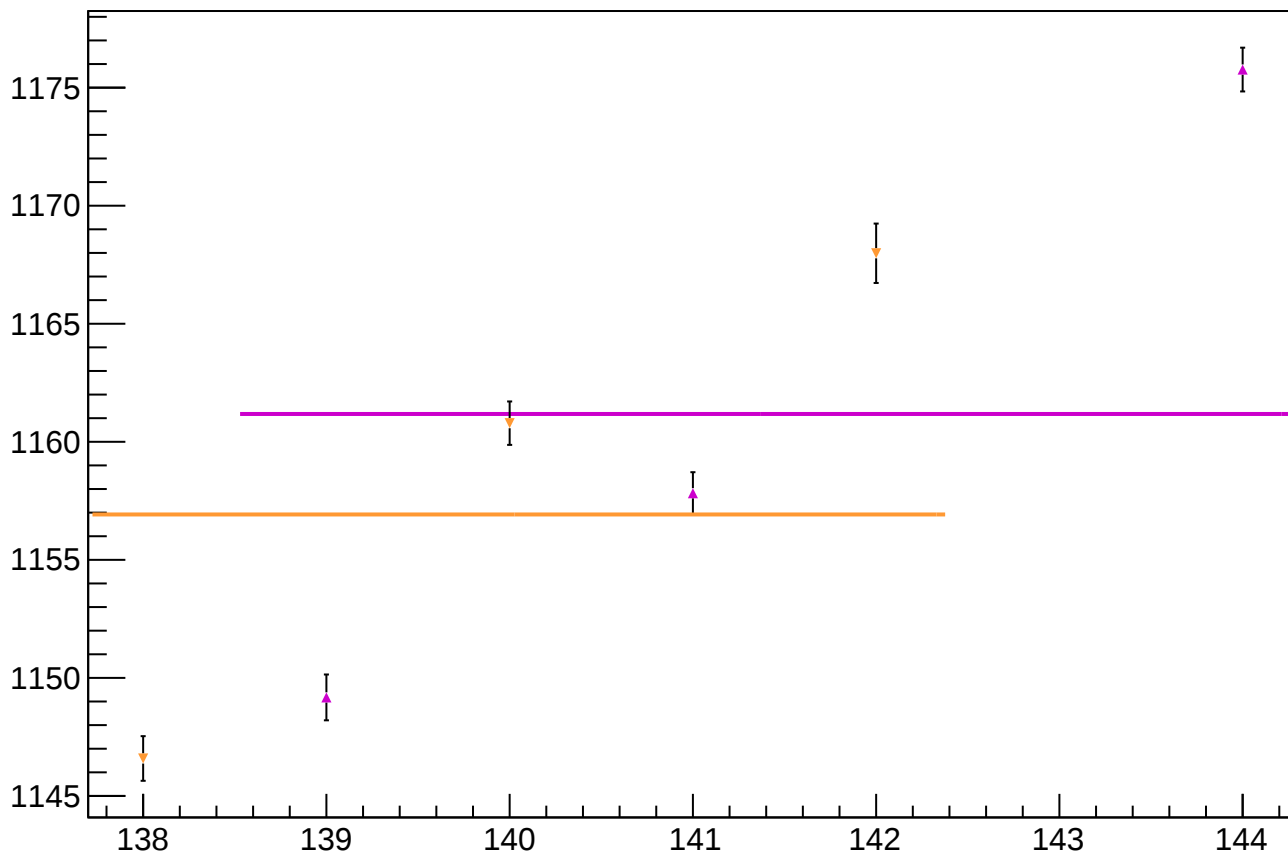
Left In: -1909.592+/-757.523 χ^2/NDF : 8.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -272.075+/-558.196 χ^2/NDF : 19.1/5

- 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: 1156.922+/-0.584 χ^2/NDF :214.6/2

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

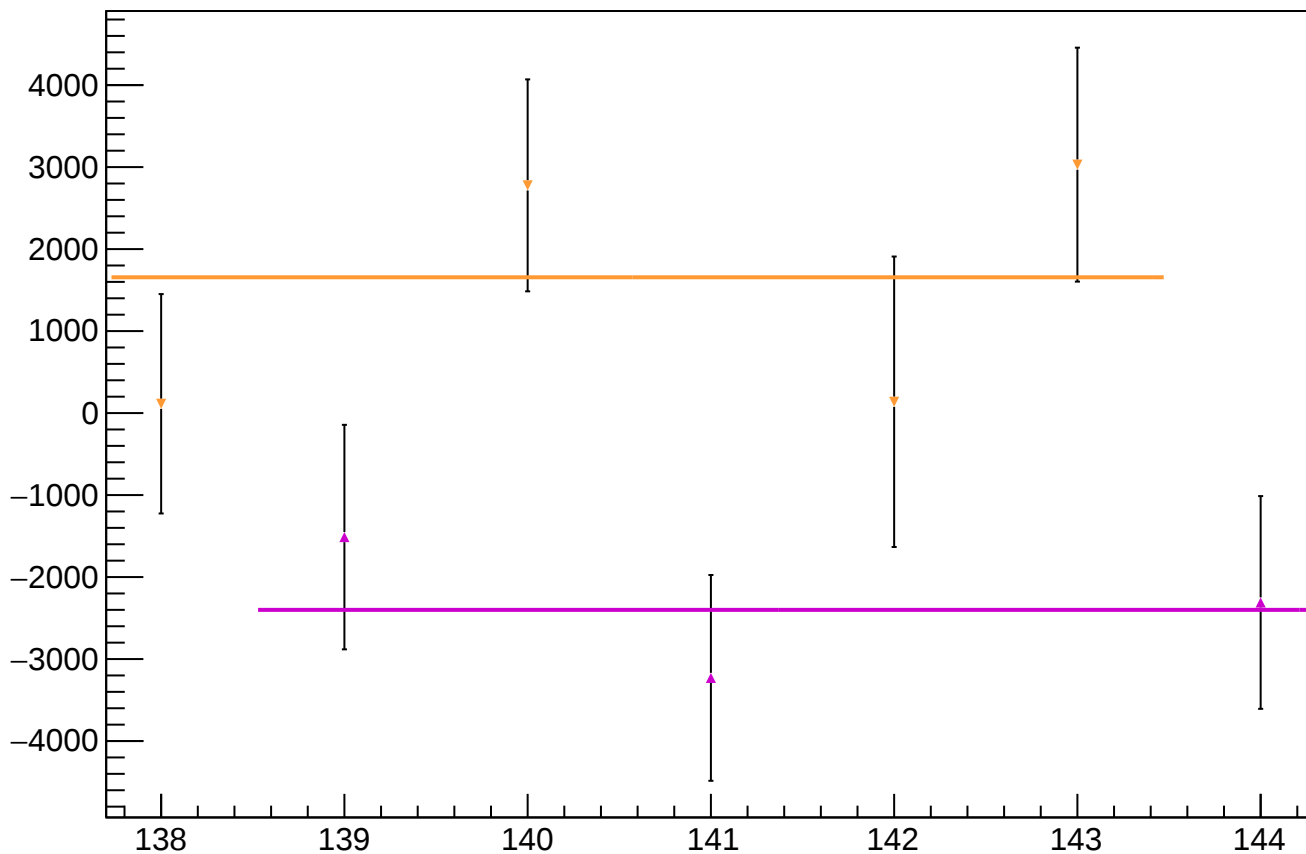
Left In: 1161.178+/-0.536 χ^2/NDF :414.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1159.233+/-0.395 χ^2/NDF : 658.2/5

- 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: 1656.167+/-712.947 χ^2/NDF : 3.7/3

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

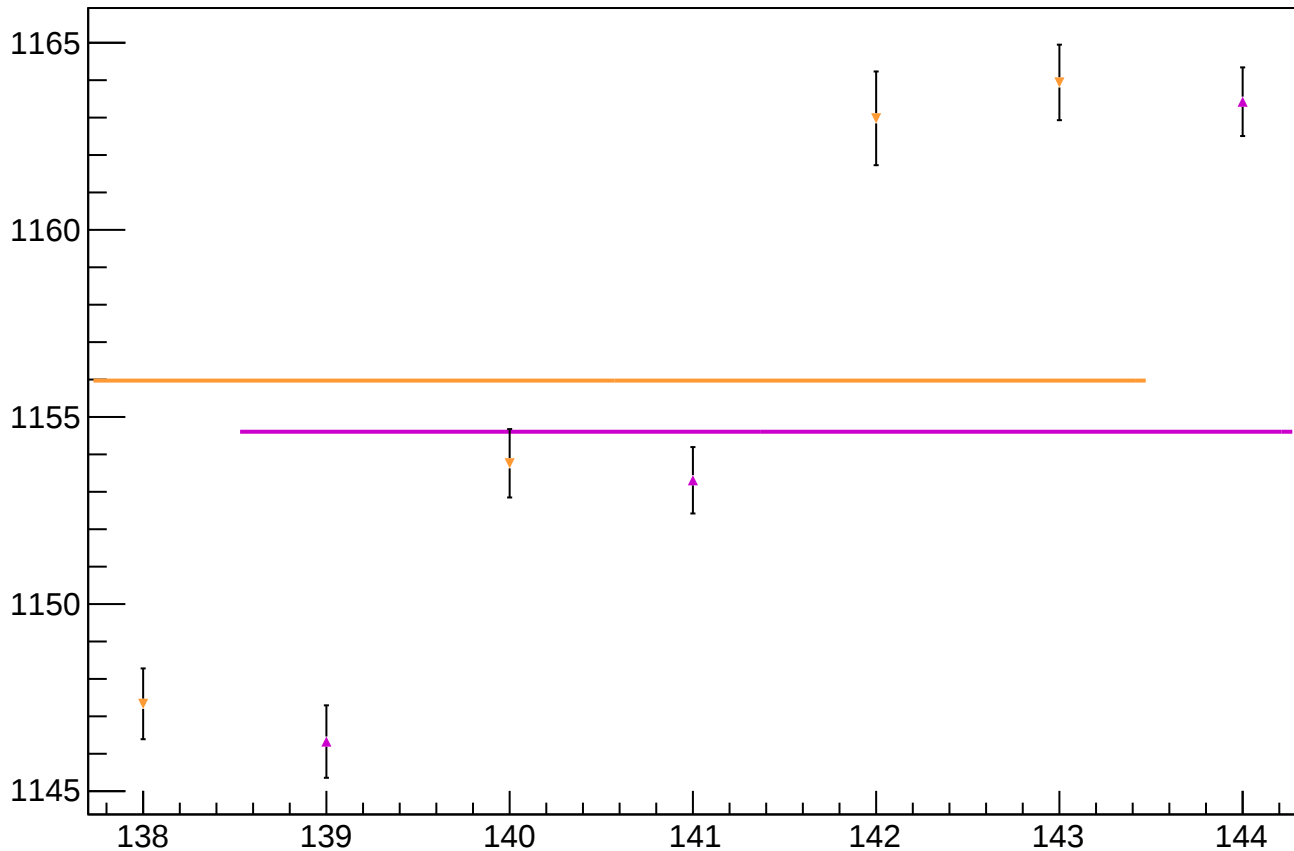
Left In: -2400.060+/-753.220 χ^2/NDF : 0.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -260.611+/-517.782 χ^2/NDF : 19.9/6

- 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: 1155.972+/-0.504 χ^2/NDF :182.9/3

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

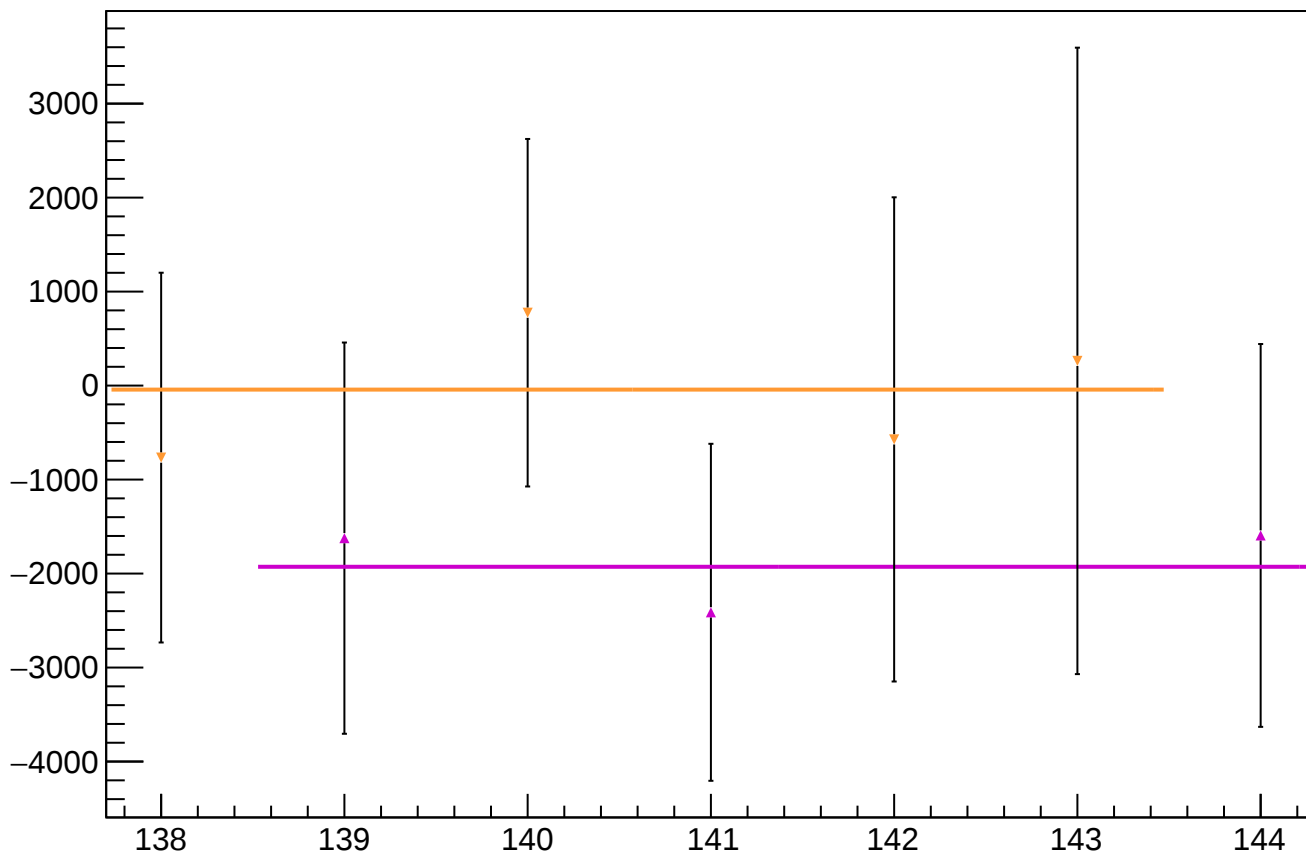
Left In: 1154.605+/-0.533 χ^2/NDF :167.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1155.326+/-0.366 χ^2/NDF : 354.1/6

- 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: -42.774+/-1123.795 χ^2/NDF : 0.4/3

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

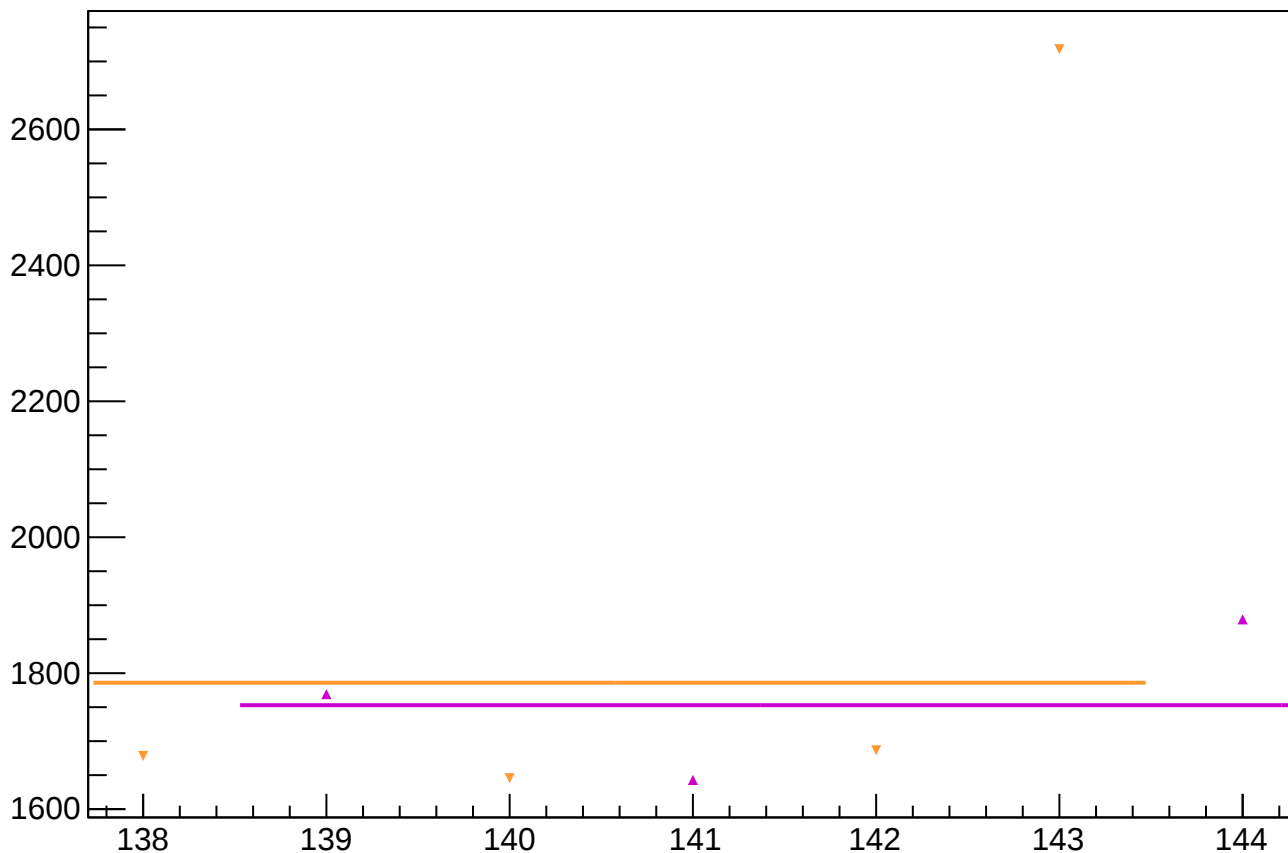
Left In: -1927.803+/-1130.027 χ^2/NDF : 0.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -980.076+/-796.837 χ^2/NDF : 1.9/6

- 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: 1785.974+/-0.795 χ^2/NDF : 176923.7/3

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

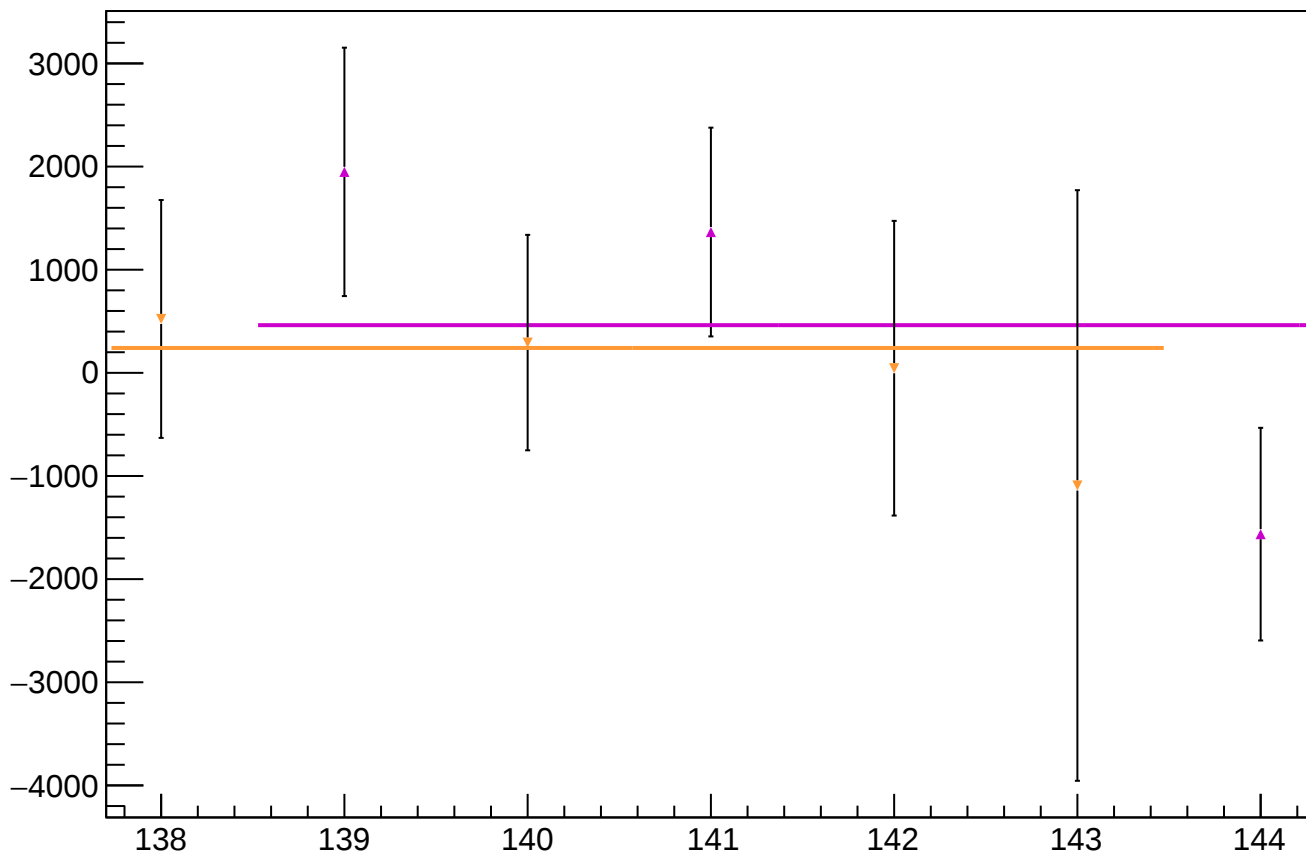
Left In: 1752.914+/-0.799 χ^2/NDF : 15339.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1769.535+/-0.563 χ^2/NDF : 193124.3/6

- 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: 241.461+/-662.193 χ^2/NDF : 0.3/3

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

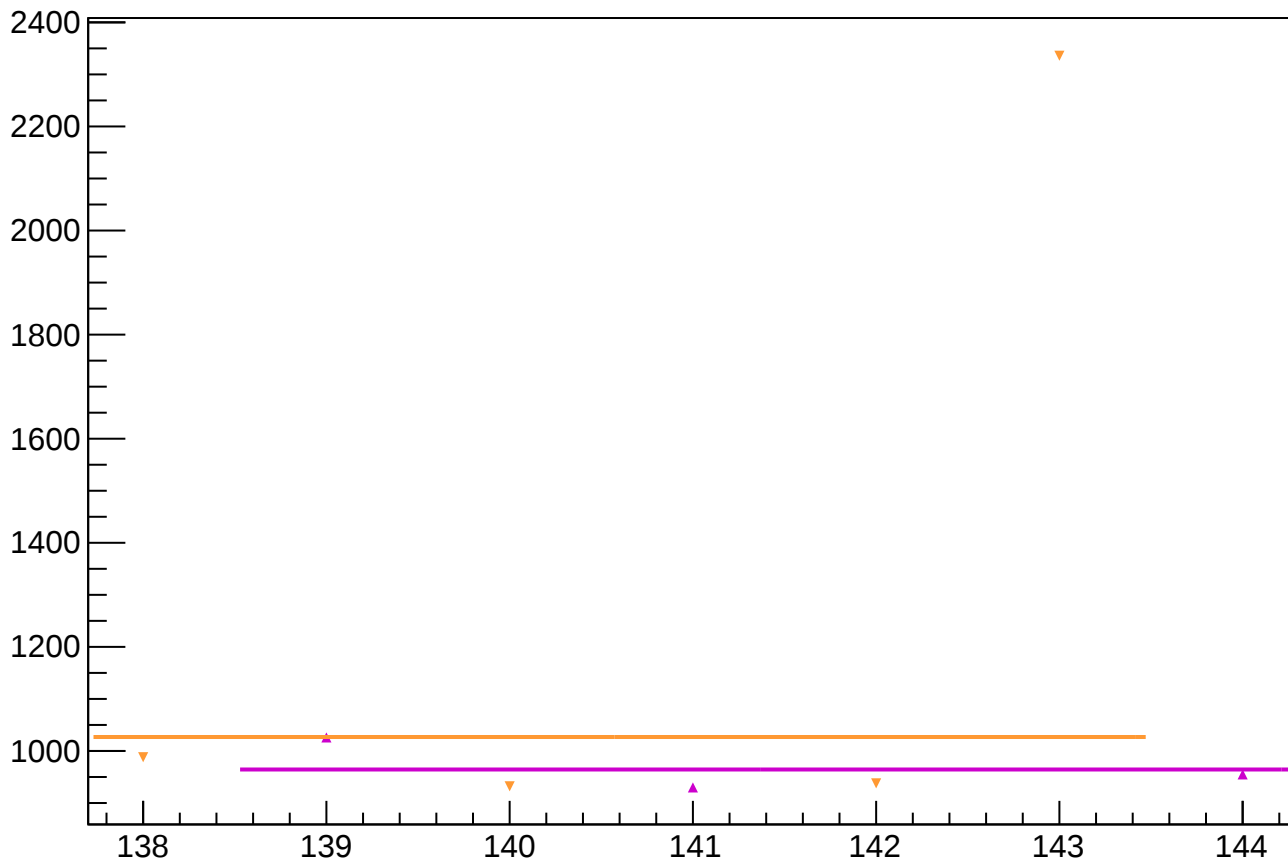
Left In: 462.325+/-619.386 χ^2/NDF : 6.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 359.262+/-452.349 χ^2/NDF : 6.5/6

- 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: 1026.828+/-0.468 χ^2/NDF : 444563.8/3

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

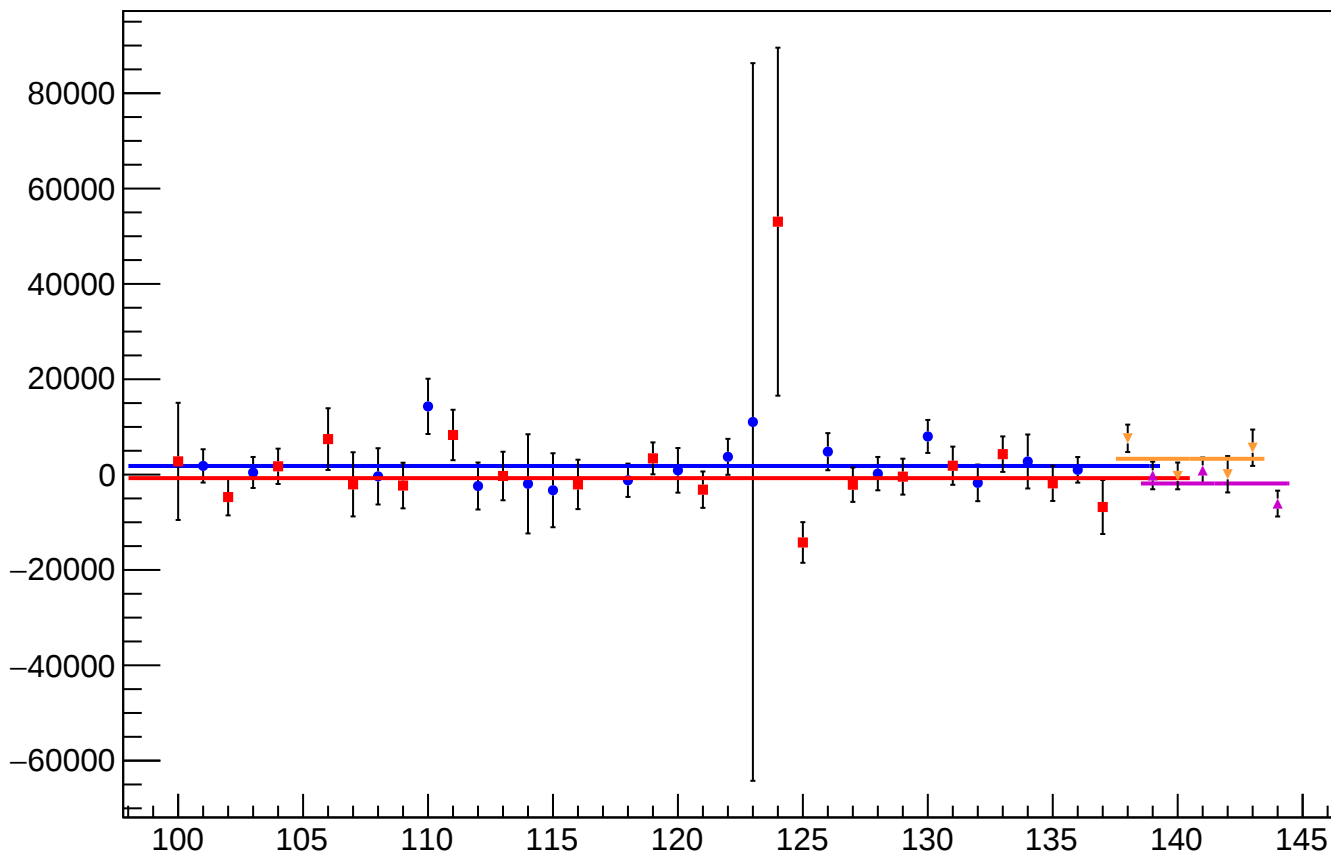
Left In: 964.395+/-0.438 χ^2/NDF : 7718.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 993.528+/-0.320 χ^2/NDF : 461764.9/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_mean vs Slug



Right In: 1807.995+/-1015.862 χ^2/NDF : 12.3/16

Left Out: 3315.051+/-1611.101 χ^2/NDF : 5.0/3

Right Out: -739.633+/-1026.876 χ^2/NDF : 24.1/18

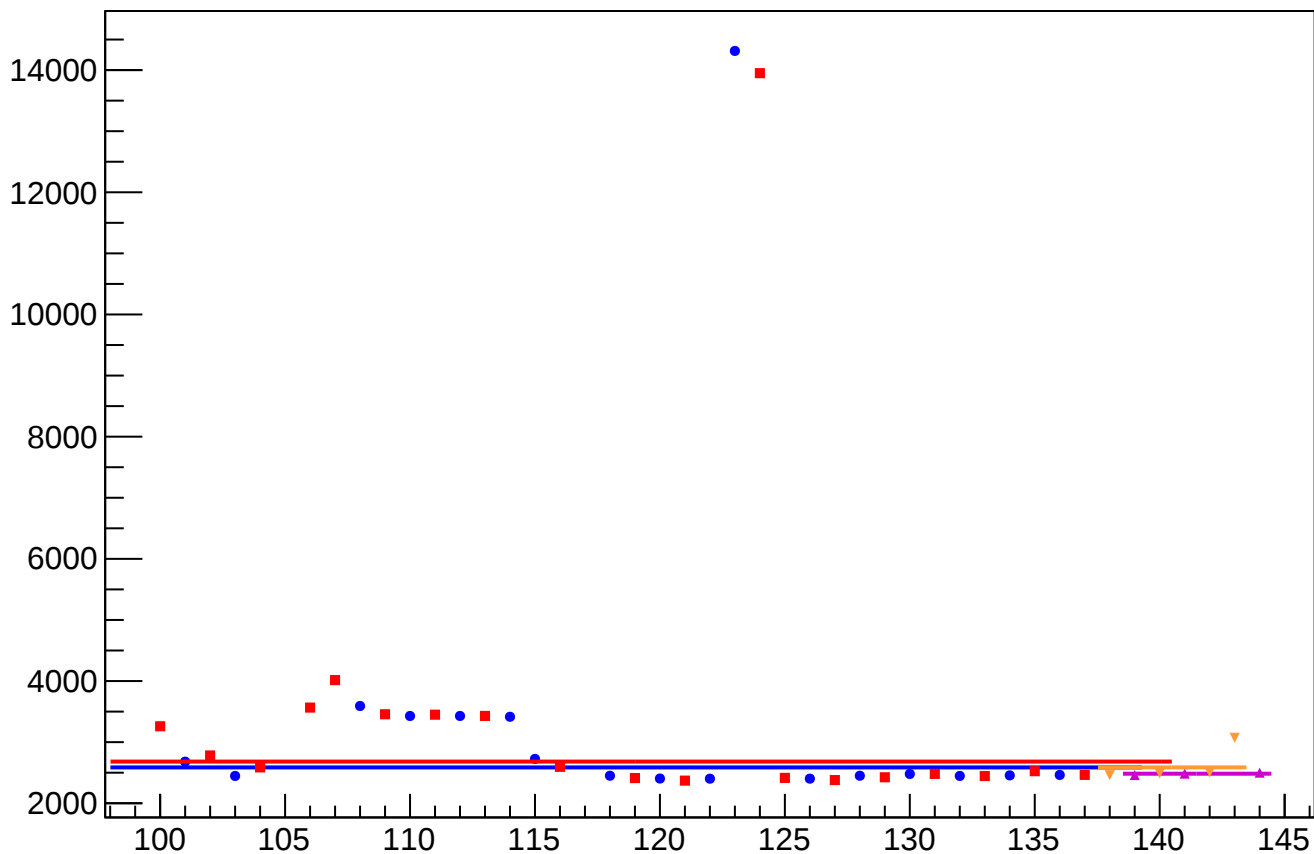
Left In: -1861.273+/-1596.953 χ^2/NDF : 3.8/2

+ sign 2236.719+/-859.303 χ^2/NDF : 17.9/20

All: 592.961+/-609.175 χ^2/NDF : 53.5/42

- sign -1067.741+/-863.721 χ^2/NDF : 28.2/21

reg_asym_atl1_rms vs Slug



Right In: 2586.401 $\pm$ 0.718 χ^2 /NDF: 253848.4/16

Left Out: 2586.590 $\pm$ 1.139 χ^2 /NDF:39646.8/3

Right Out: 2682.004 $\pm$ 0.726 χ^2 /NDF: 529065.5/18

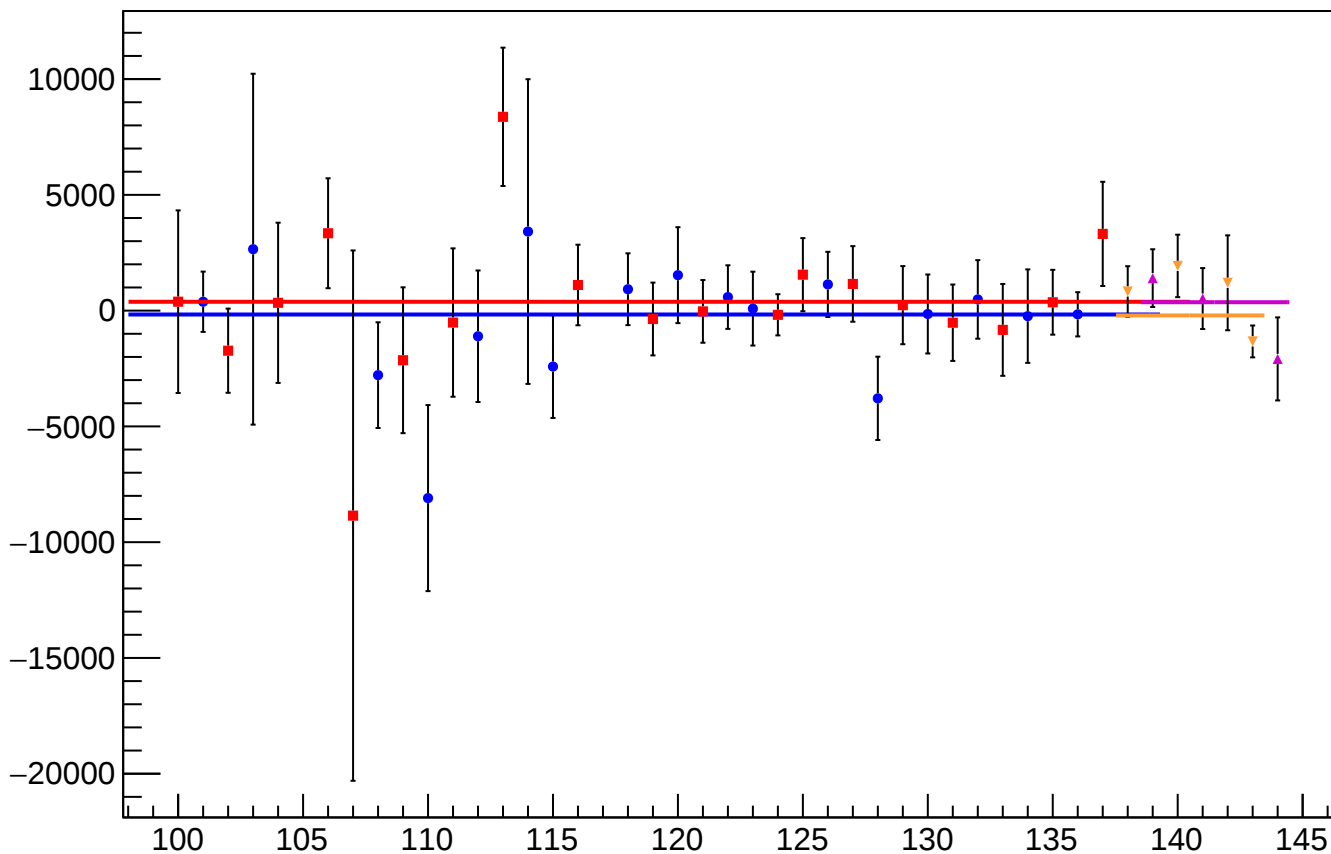
Left In: 2483.476 $\pm$ 1.129 χ^2 /NDF:197.3/2

+ sign 2586.455 $\pm$ 0.608 χ^2 /NDF: 293495.3/20

All: 2605.096 $\pm$ 0.431 χ^2 /NDF: 846518.0/42

- sign 2623.930 $\pm$ 0.611 χ^2 /NDF: 551130.6/21

asym_atl1_correction_mean vs Slug



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

Left Out: -207.275 ± 517.097 χ^2/NDF : 6.5/3

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

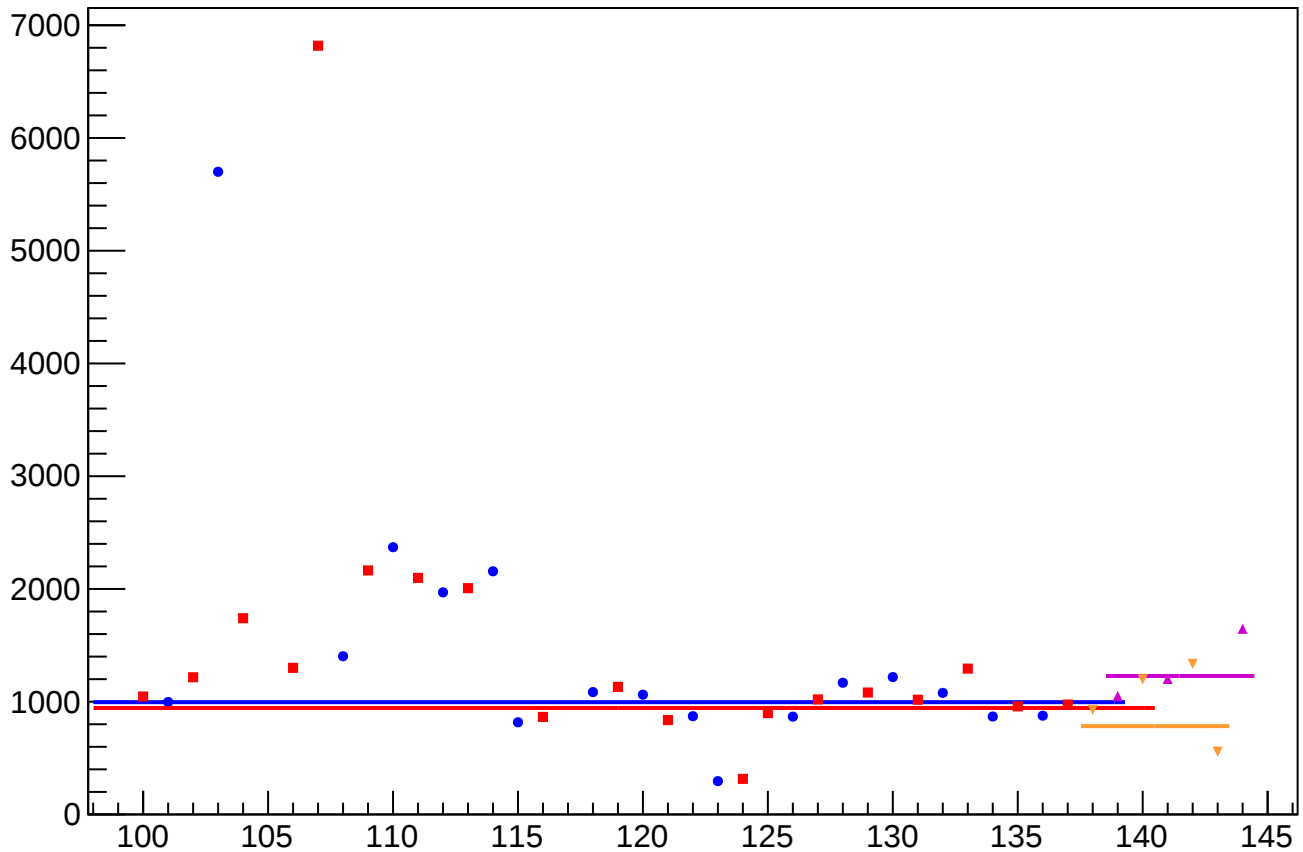
Left In: 363.684 ± 807.963 χ^2/NDF : 2.6/2

+ sign -182.956 ± 326.659 χ^2/NDF : 20.1/20

All: 66.341 ± 243.601 χ^2/NDF : 39.4/42

- sign 378.675 ± 365.633 χ^2/NDF : 18.0/21

asym_atl1_correction_rms vs Slug



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

Left Out: 783.423+/-0.366 χ^2/NDF : 586997.6/3

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

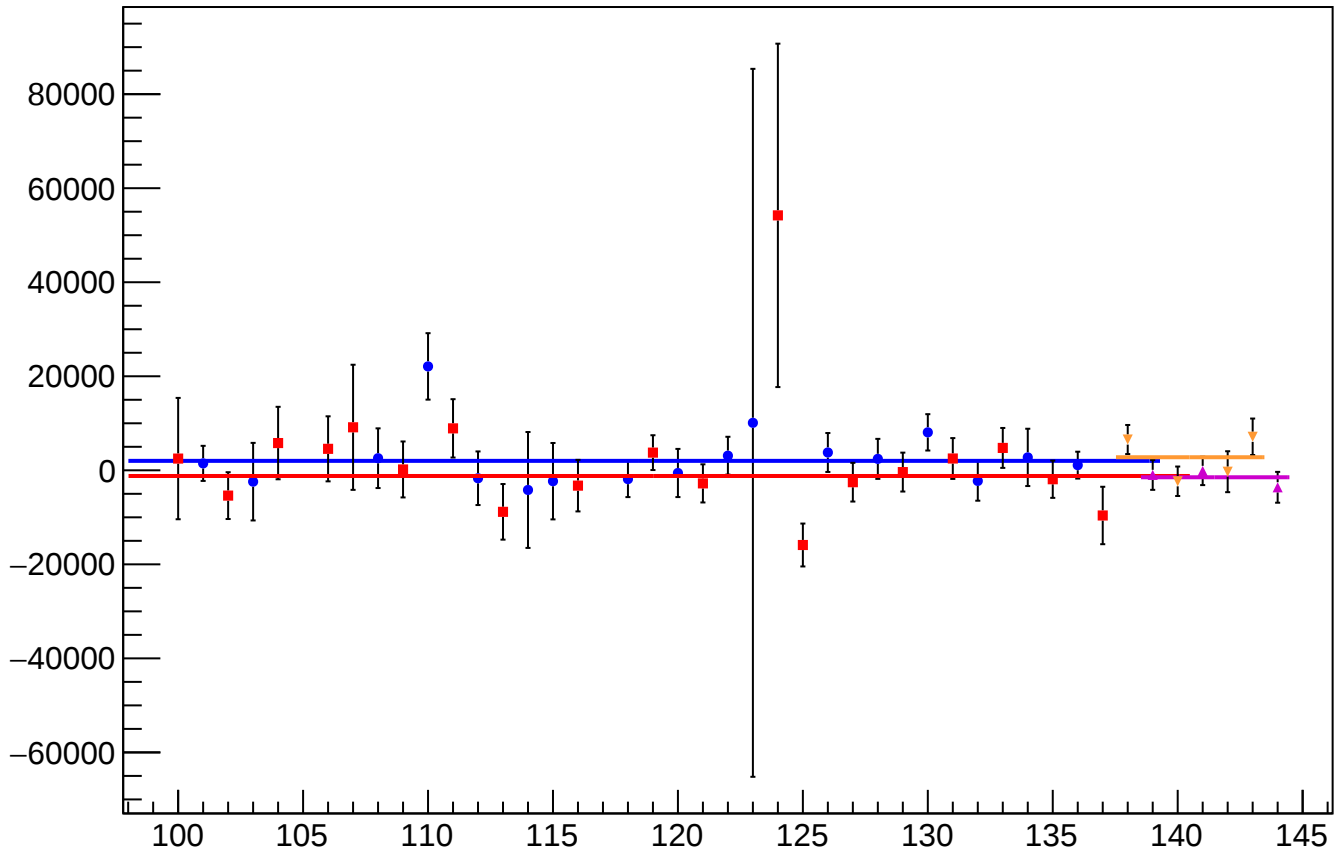
Left In: 1228.312+/-0.571 χ^2/NDF : 150499.4/2

+ sign 911.091+/-0.231 χ^2/NDF : 2692871.2/20

All: 951.742+/-0.172 χ^2/NDF : 5775750.4/42

- sign 1002.671+/-0.259 χ^2/NDF : 3013103.4/21

asym_atl1_mean vs Slug



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

Left Out: 2778.194+/-1752.504 χ^2/NDF : 5.9/3

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

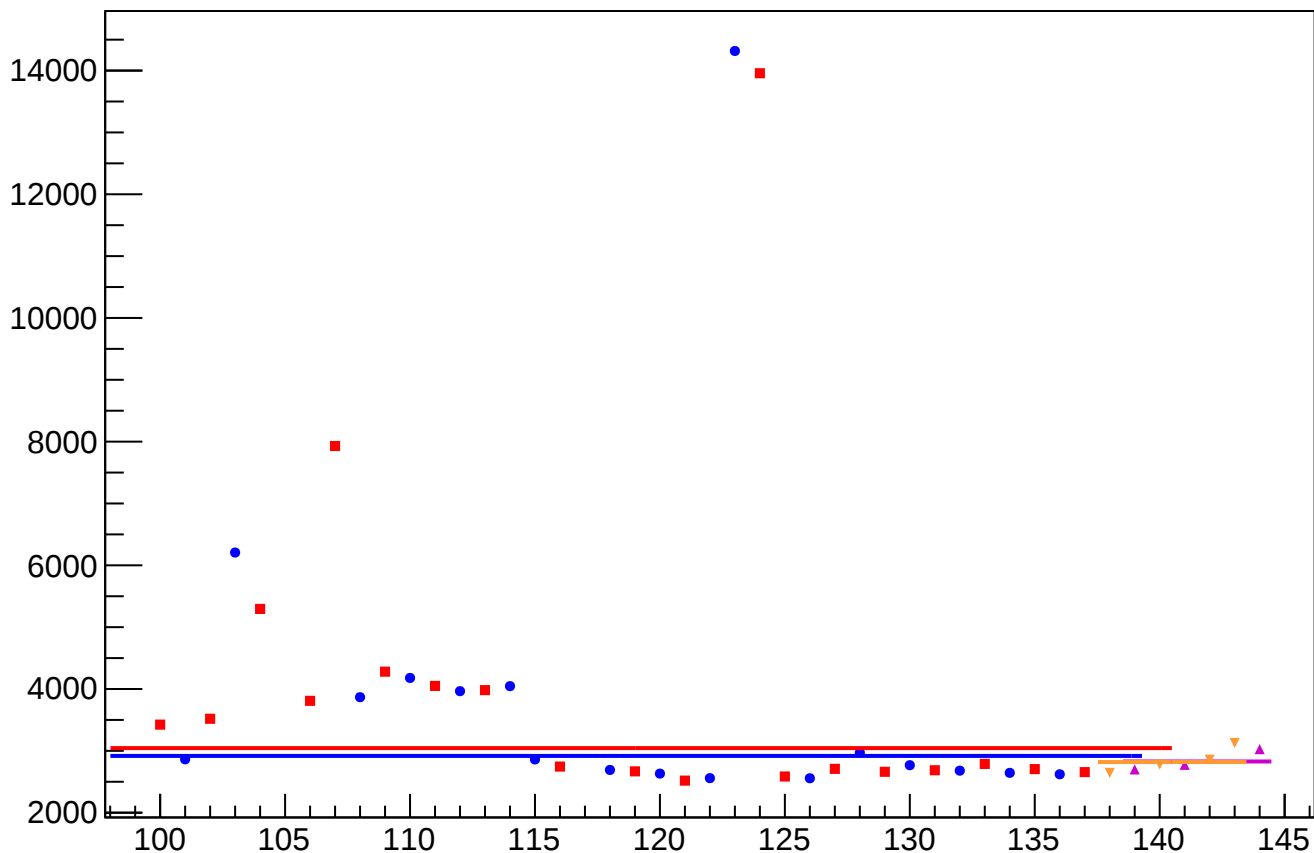
Left In: -1480.356+/-1821.455 χ^2/NDF : 0.6/2

+ sign 2244.440+/-969.372 χ^2/NDF : 20.6/20

All: 526.539+/-694.958 χ^2/NDF : 54.5/42

- sign -1290.103+/-996.841 χ^2/NDF : 27.5/21

asym_atl1_rms vs Slug



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

Left Out: 2819.036+/-1.239 χ^2/NDF :19578.7/3

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

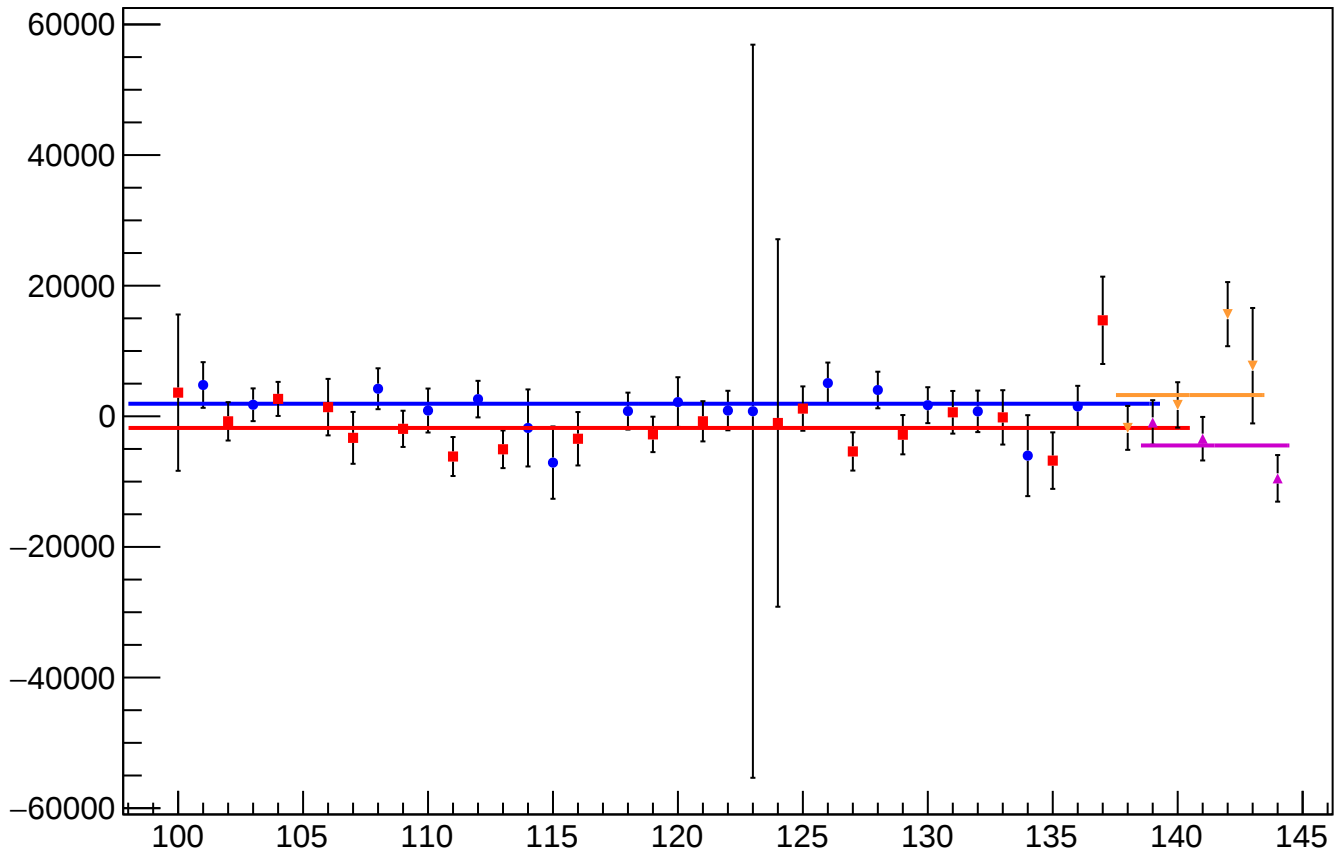
Left In: 2828.055+/-1.288 χ^2/NDF :11277.6/2

+ sign 2887.722+/-0.685 χ^2/NDF : 660725.8/20

All: 2932.407+/-0.491 χ^2/NDF : 1707239.5/42

- sign 2979.660+/-0.705 χ^2/NDF : 1037769.9/21

reg_asym_atl2_mean vs Slug



Right In: 1924.076 $\pm$ 813.616 χ^2 /NDF: 8.1/16

Left Out: 3253.996 $\pm$ 2105.150 χ^2 /NDF:9.1/3

Right Out: -1783.264 $\pm$ 792.384 χ^2 /NDF: 18.2/18

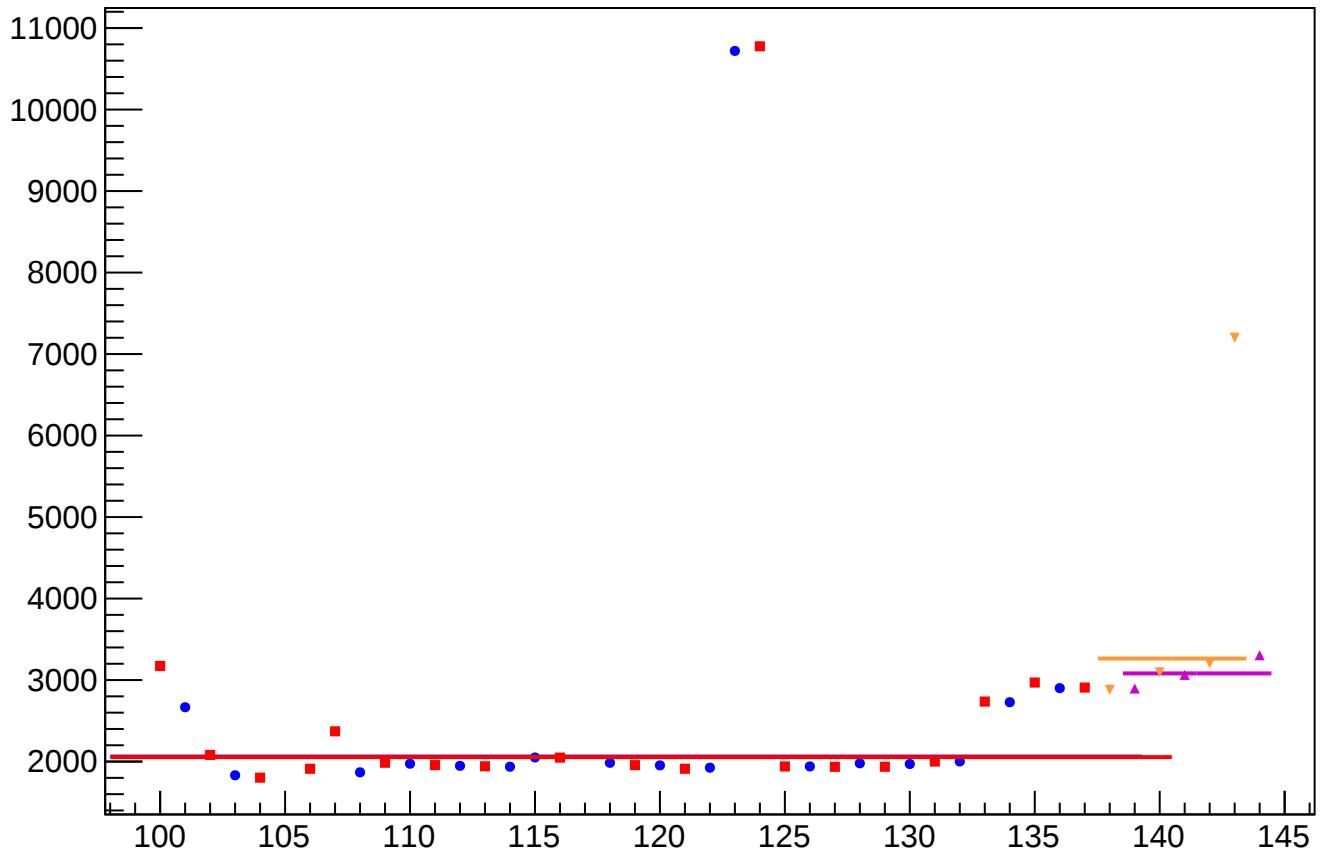
Left In: -4464.483 $\pm$ 1982.444 χ^2 /NDF:3.2/2

+ sign 2096.913 $\pm$ 758.907 χ^2 /NDF: 17.5/20

All: -93.568 $\pm$ 528.264 χ^2 /NDF: 56.6/42

- sign -2152.610 $\pm$ 735.786 χ^2 /NDF: 23.0/21

reg_asym_atl2_rms vs Slug



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

Left Out: 3263.744+/-1.489 χ^2/NDF : 428031.3/3

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

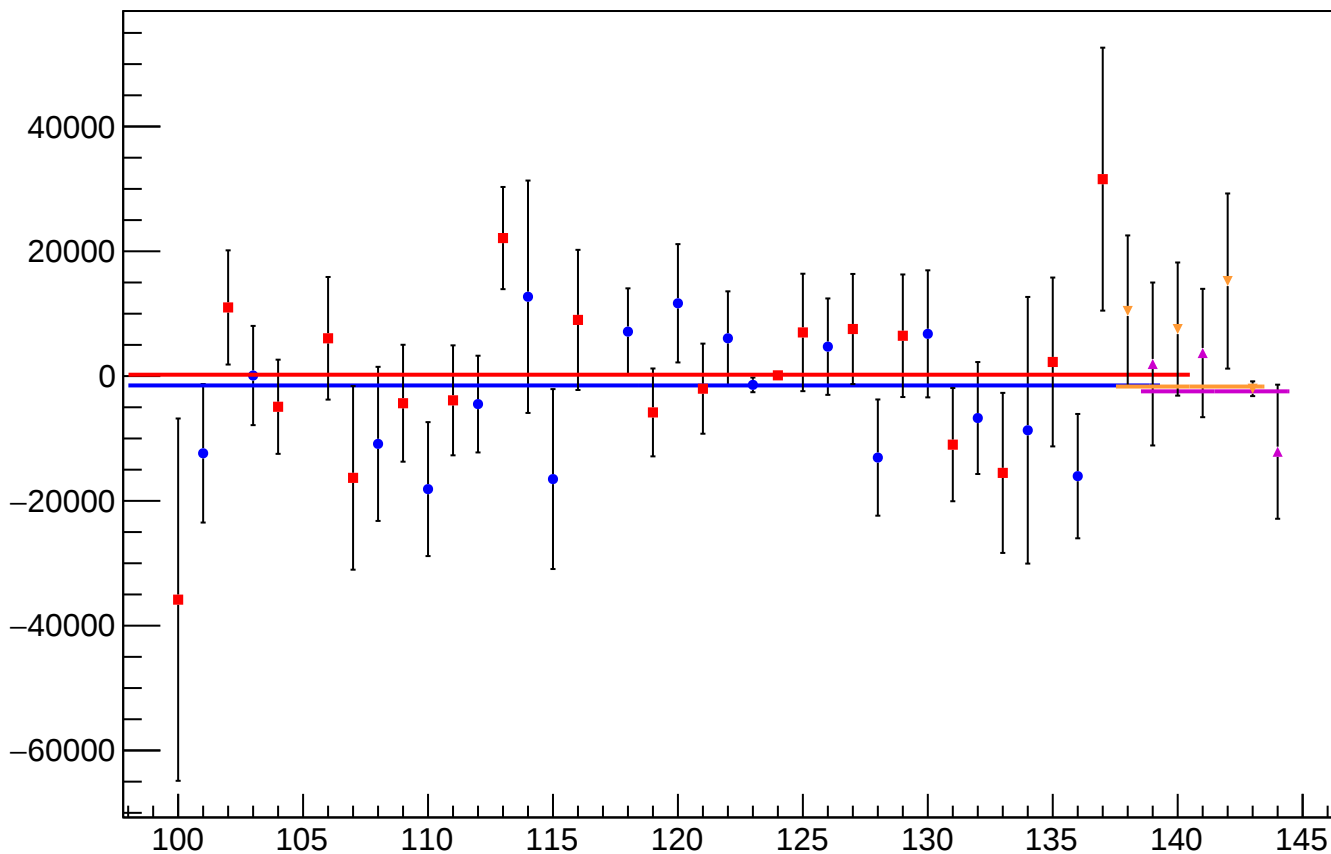
Left In: 3081.655+/-1.402 χ^2/NDF : 13724.0/2

+ sign 2217.069+/-0.537 χ^2/NDF : 1313901.1/20

All: 2206.287+/-0.374 χ^2/NDF : 2232855.0/42

- sign 2196.153+/-0.520 χ^2/NDF : 918170.8/21

asym_atl2_correction_mean vs Slug



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

Left Out: -1676.630 ± 1165.902 χ^2/NDF : 3.3/3

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

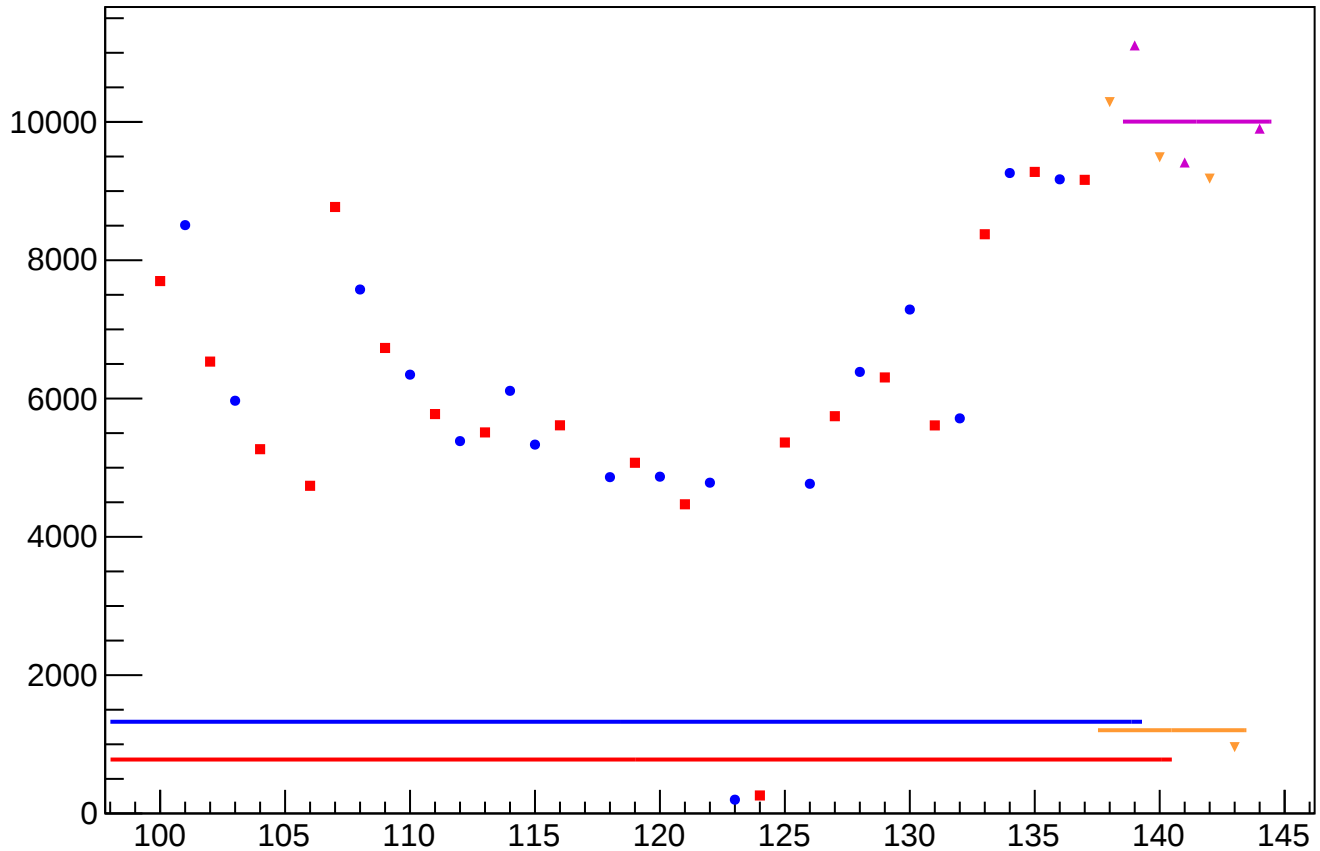
Left In: -2446.681 ± 6457.995 χ^2/NDF : 1.3/2

+ sign -1579.560 ± 782.137 χ^2/NDF : 19.0/20

All: -586.487 ± 517.993 χ^2/NDF : 44.3/42

- sign 189.406 ± 691.342 χ^2/NDF : 22.4/21

asym_atl2_correction_rms vs Slug



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

Left Out: 1203.630 $\pm$ 0.824 χ^2 /NDF: 3062860.4/3

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

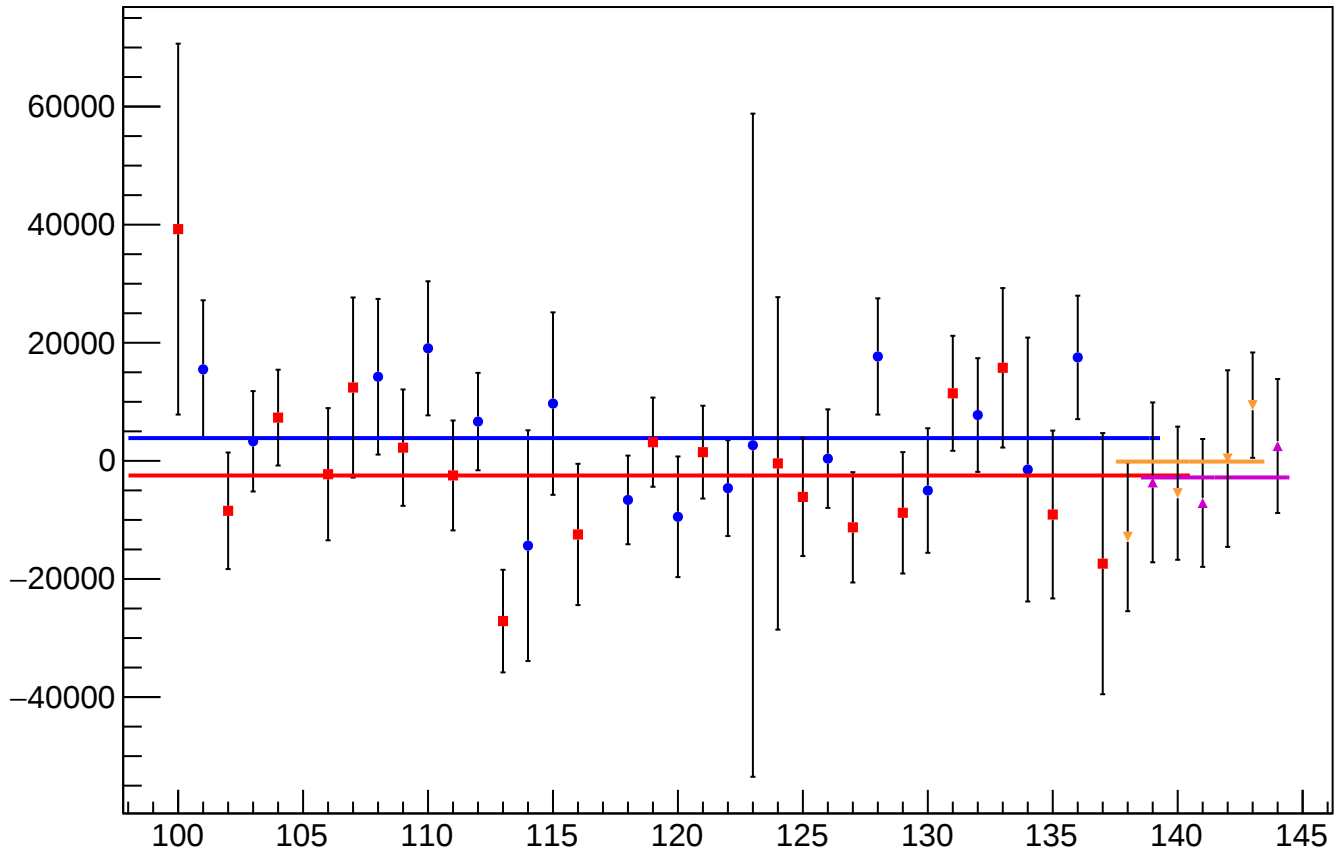
Left In: 10004.794 $\pm$ 4.566 χ^2 /NDF: 21025.6/2

+ sign 1270.964 $\pm$ 0.553 χ^2 /NDF: 13102571.1/20

All: 1054.584 $\pm$ 0.366 χ^2 /NDF: 28836859.3/4

- sign 885.525 $\pm$ 0.489 χ^2 /NDF: 15461619.0/21

asym_atl2_mean vs Slug



Right In: 3858.326+/-2543.101 χ^2/NDF : 14.1/16

Left Out: -120.381+/-5661.374 χ^2/NDF : 2.4/3

Right Out: -2474.681+/-2426.960 χ^2/NDF : 20.3/18

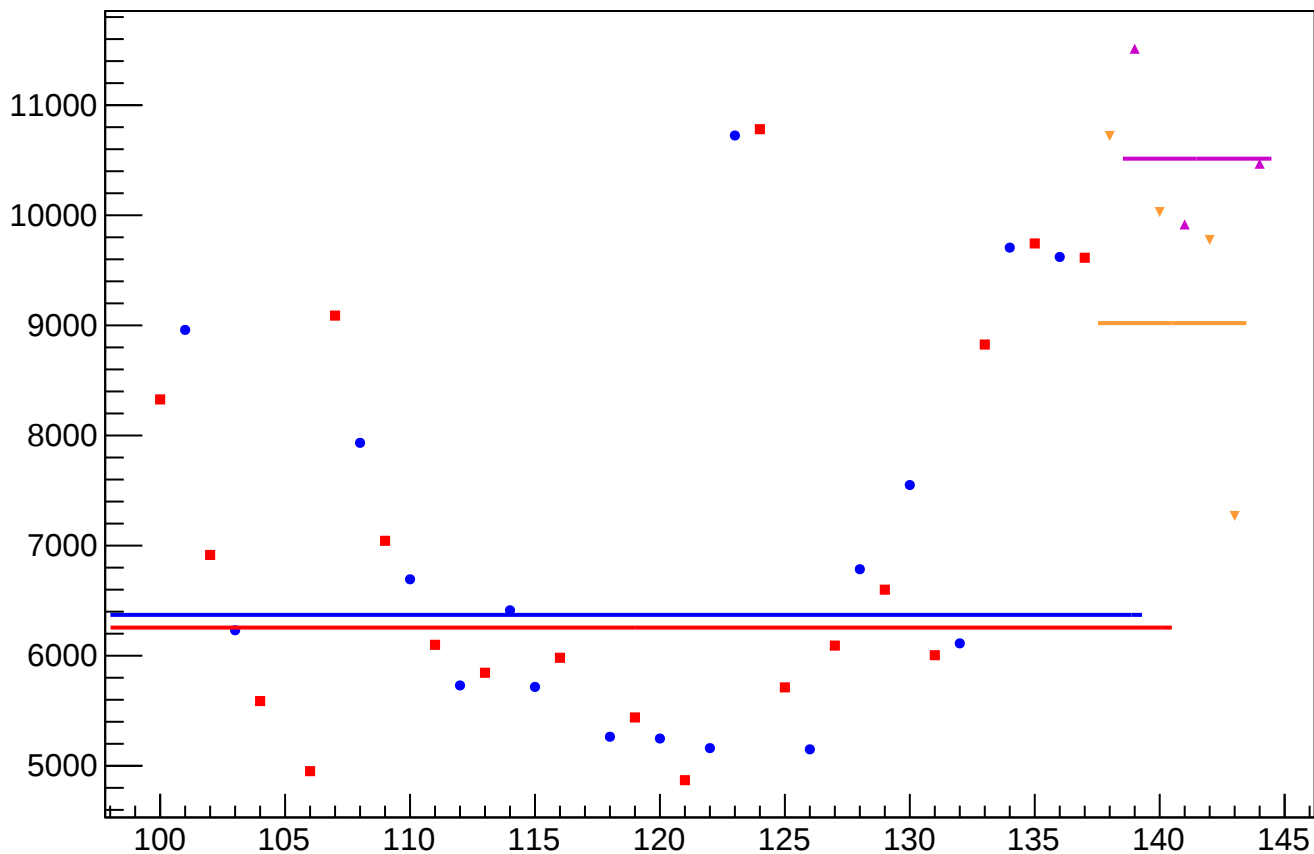
Left In: -2808.267+/-6780.027 χ^2/NDF : 0.4/2

+ sign 3190.290+/-2319.801 χ^2/NDF : 16.9/20

All: 295.738+/-1627.896 χ^2/NDF : 40.6/42

- sign -2512.570+/-2284.980 χ^2/NDF : 20.7/21

asym_atl2_rms vs Slug



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

Left Out: 9020.934 $\pm$ 4.003 χ^2/NDF :134547.2/3

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

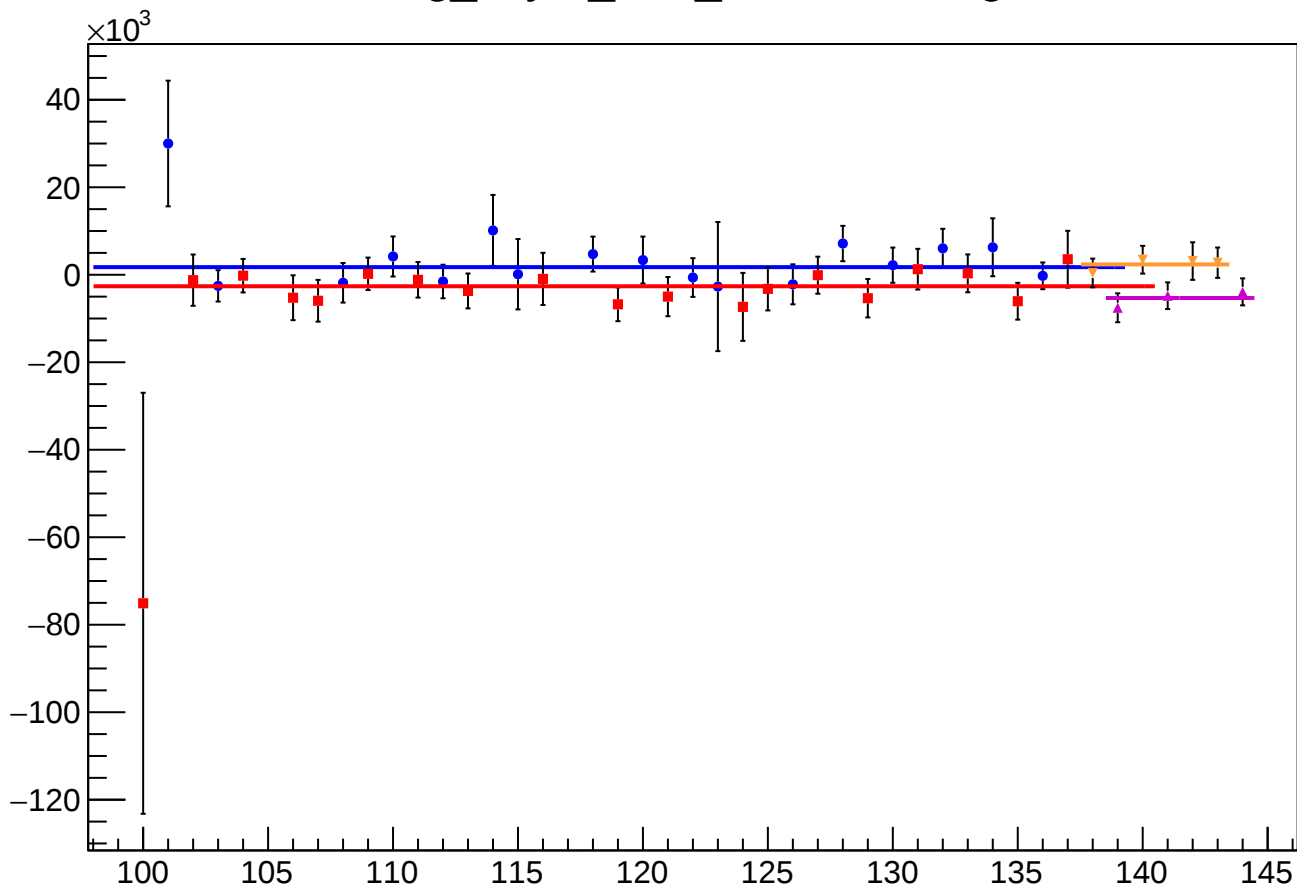
Left In: 10513.991 $\pm$ 4.794 χ^2/NDF :16999.0/2

+ sign 6815.877 $\pm$ 1.640 χ^2/NDF : 1077902.0/20

All: 6776.957 $\pm$ 1.151 χ^2/NDF : 2328123.4/42

- sign 6739.201 $\pm$ 1.616 χ^2/NDF : 1249112.3/21

reg_asym_atr1_mean vs Slug



Right In: 1745.509+/-1131.300 χ^2/NDF : 13.4/16

Left Out: 2362.435+/-1741.301 χ^2/NDF : 0.5/3

Right Out: -2628.839+/-1074.553 χ^2/NDF : 9.6/18

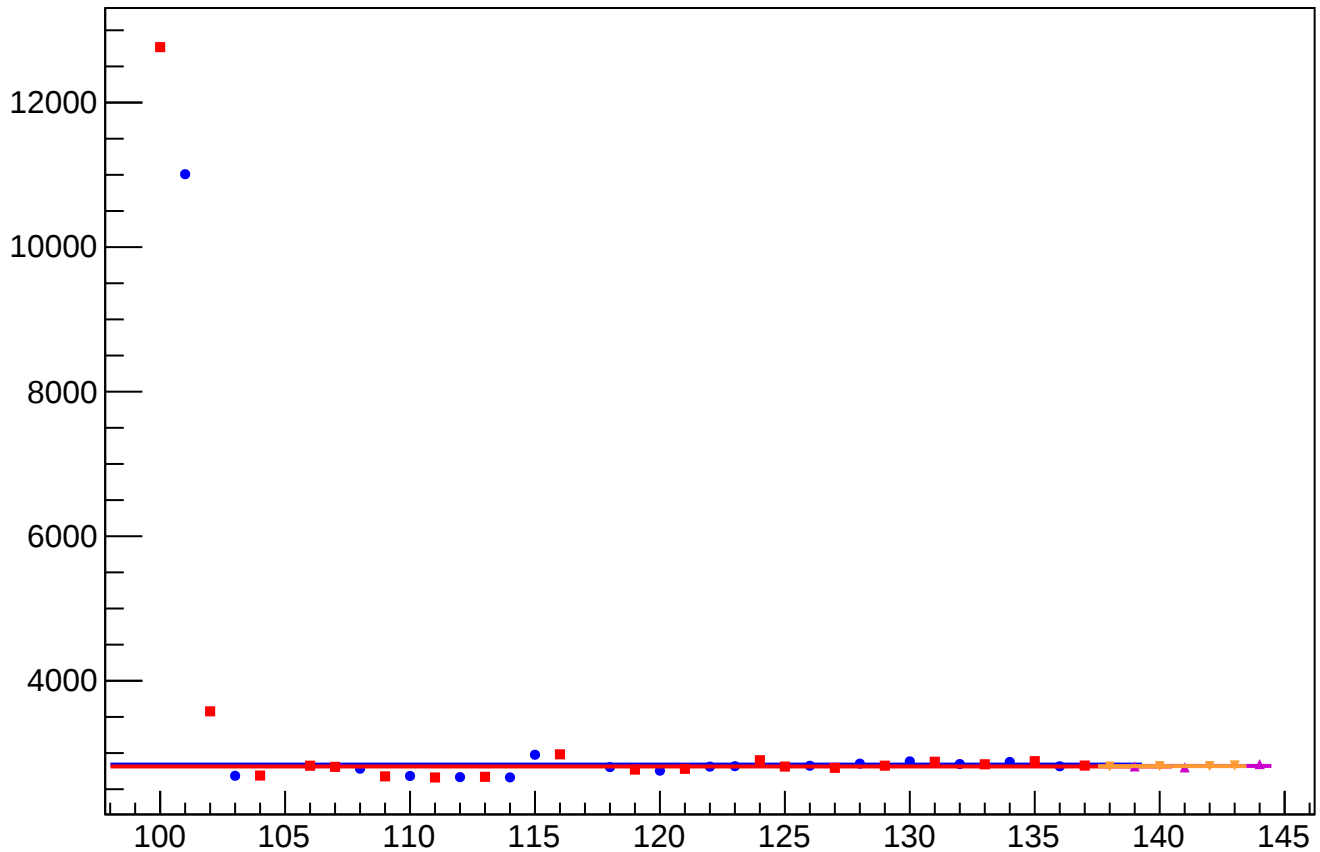
Left In: -5315.285+/-1813.300 χ^2/NDF : 0.7/2

+ sign 1928.619+/-948.667 χ^2/NDF : 14.0/20

All: -767.215+/-662.073 χ^2/NDF : 41.7/42

- sign -3327.047+/-924.428 χ^2/NDF : 11.9/21

reg_asym_atr1_rms vs Slug



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

Left Out: 2819.579+/-1.231 χ^2/NDF : 22.6/3

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

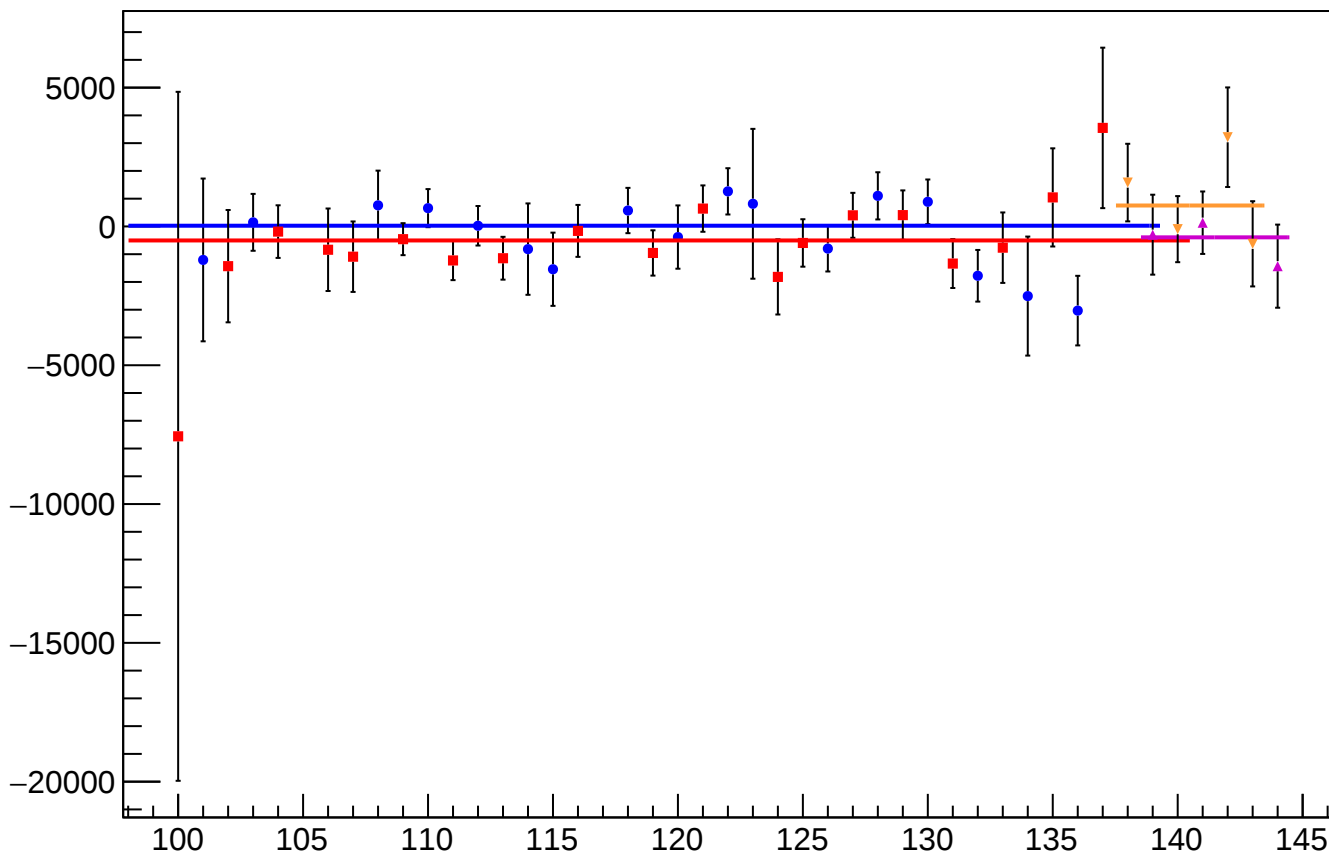
Left In: 2821.964+/-1.282 χ^2/NDF : 234.6/2

+ sign 2834.168+/-0.671 χ^2/NDF : 660352.3/20

All: 2825.122+/-0.468 χ^2/NDF : 794003.6/42

- sign 2816.532+/-0.654 χ^2/NDF : 133296.8/21

asym_atr1_correction_mean vs Slug



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

Left Out: 754.006 ± 715.409 χ^2/NDF : 3.6/3

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

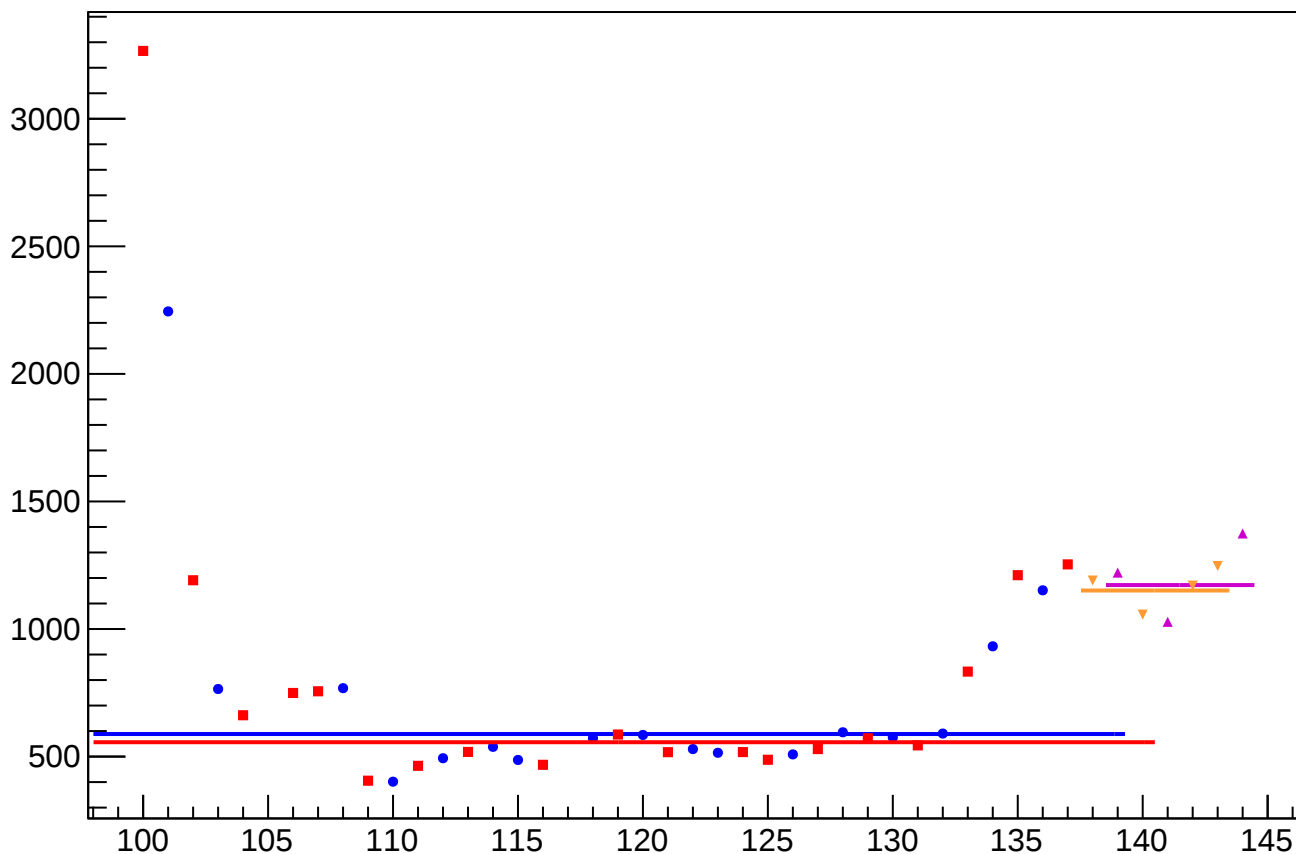
Left In: -393.144 ± 762.694 χ^2/NDF : 0.7/2

+ sign 100.772 ± 229.627 χ^2/NDF : 25.3/20

All: -219.668 ± 156.284 χ^2/NDF : 41.5/42

- sign -496.195 ± 213.313 χ^2/NDF : 12.6/21

asym_atr1_correction_rms vs Slug



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

Left Out: 1150.922+/-0.506 χ^2/NDF : 22249.4/3

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

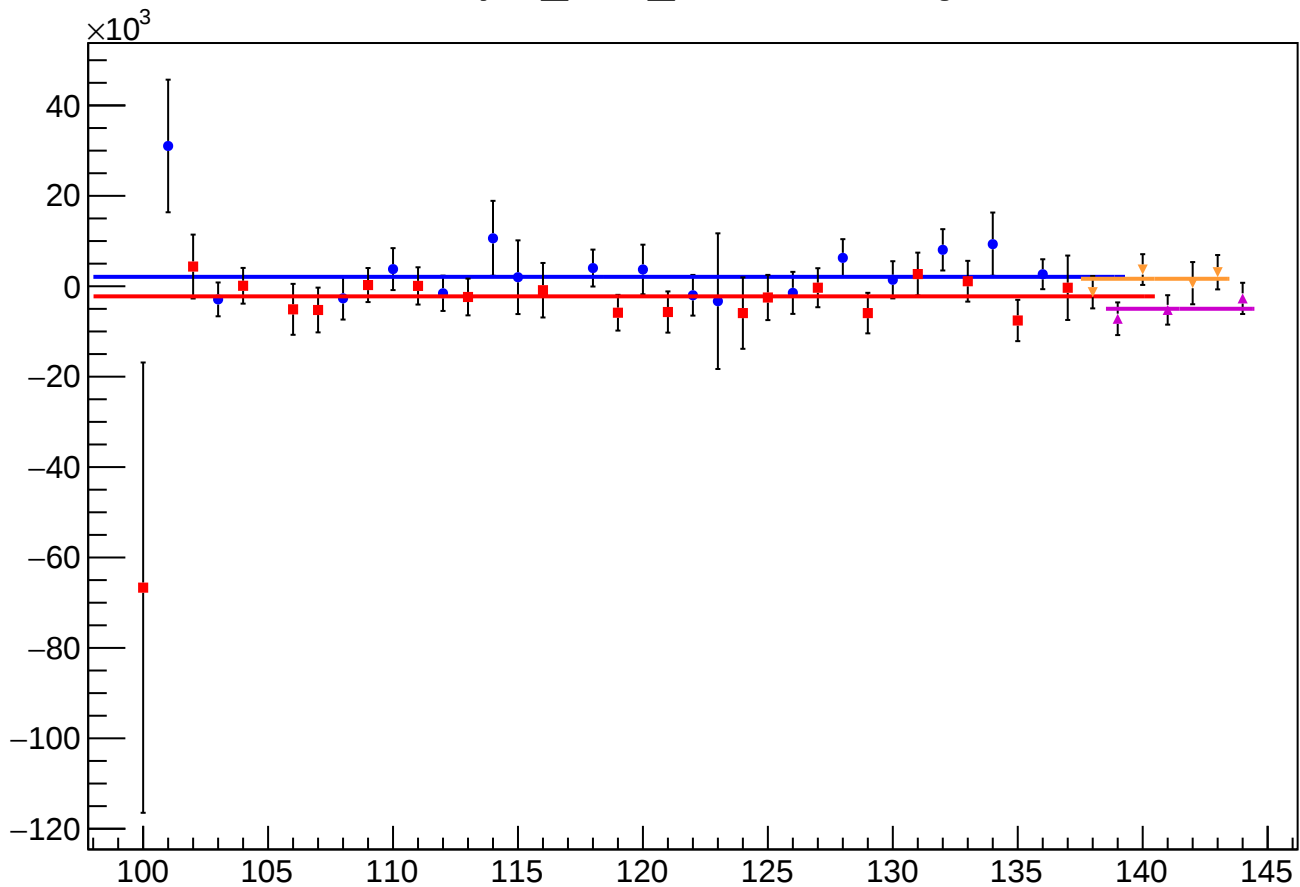
Left In: 1172.272+/-0.539 χ^2/NDF : 71640.2/2

+ sign 646.336+/-0.162 χ^2/NDF : 2555388.0/20

All: 623.861+/-0.111 χ^2/NDF : 4970165.5/42

- sign 604.467+/-0.151 χ^2/NDF : 2379086.0/21

asym_atr1_mean vs Slug



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

Left Out: 1655.690 $\pm$ 1890.901 χ^2 /NDF:1.2/3

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

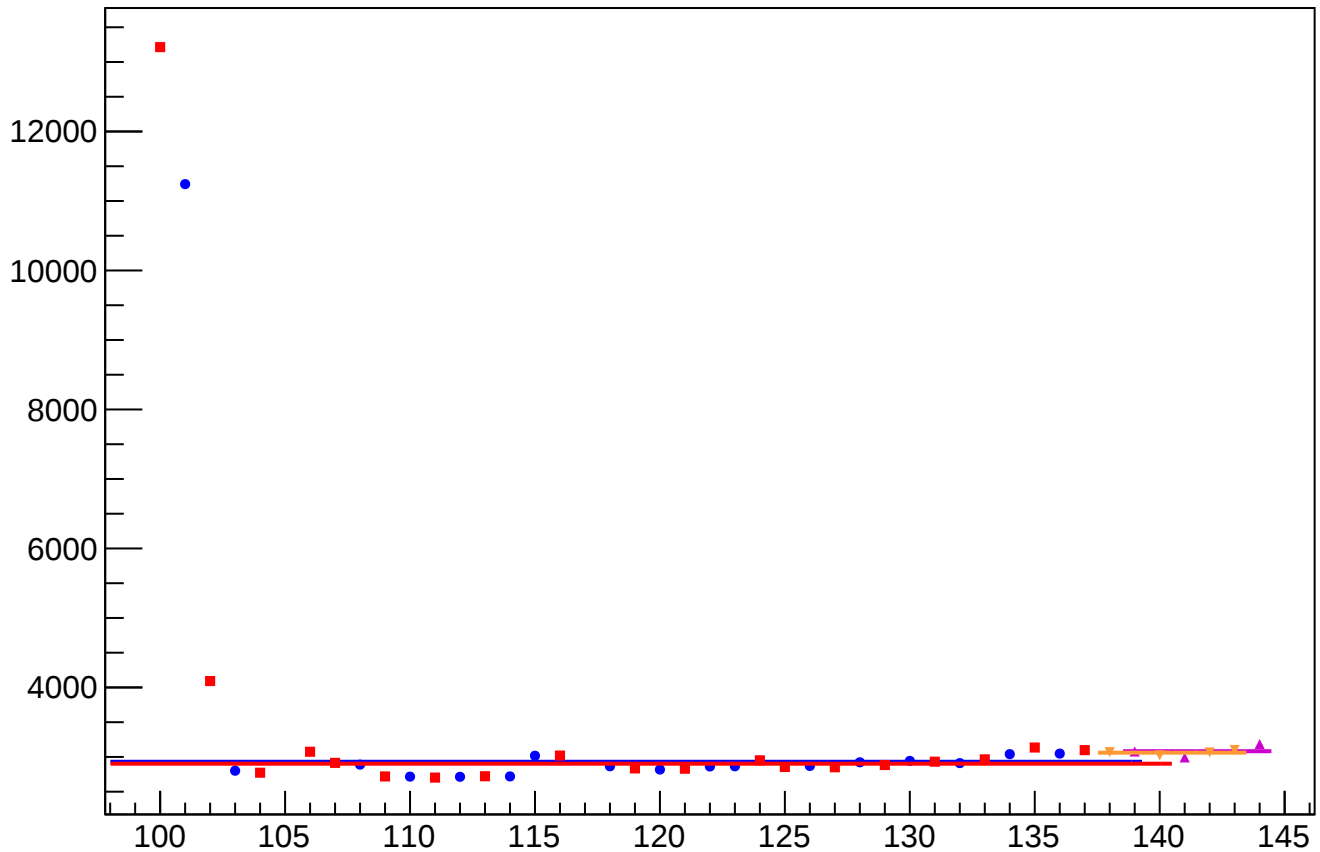
Left In: -4981.998 $\pm$ 1981.644 χ^2 /NDF:0.8/2

+ sign 1965.099 $\pm$ 993.268 χ^2 /NDF: 15.8/20

All: -520.616 $\pm$ 694.136 χ^2 /NDF: 40.2/42

- sign -2893.402 $\pm$ 970.443 χ^2 /NDF: 12.2/21

asym_atr1_rms vs Slug



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

Left Out: 3061.396+/-1.337 χ^2/NDF : 481.7/3

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

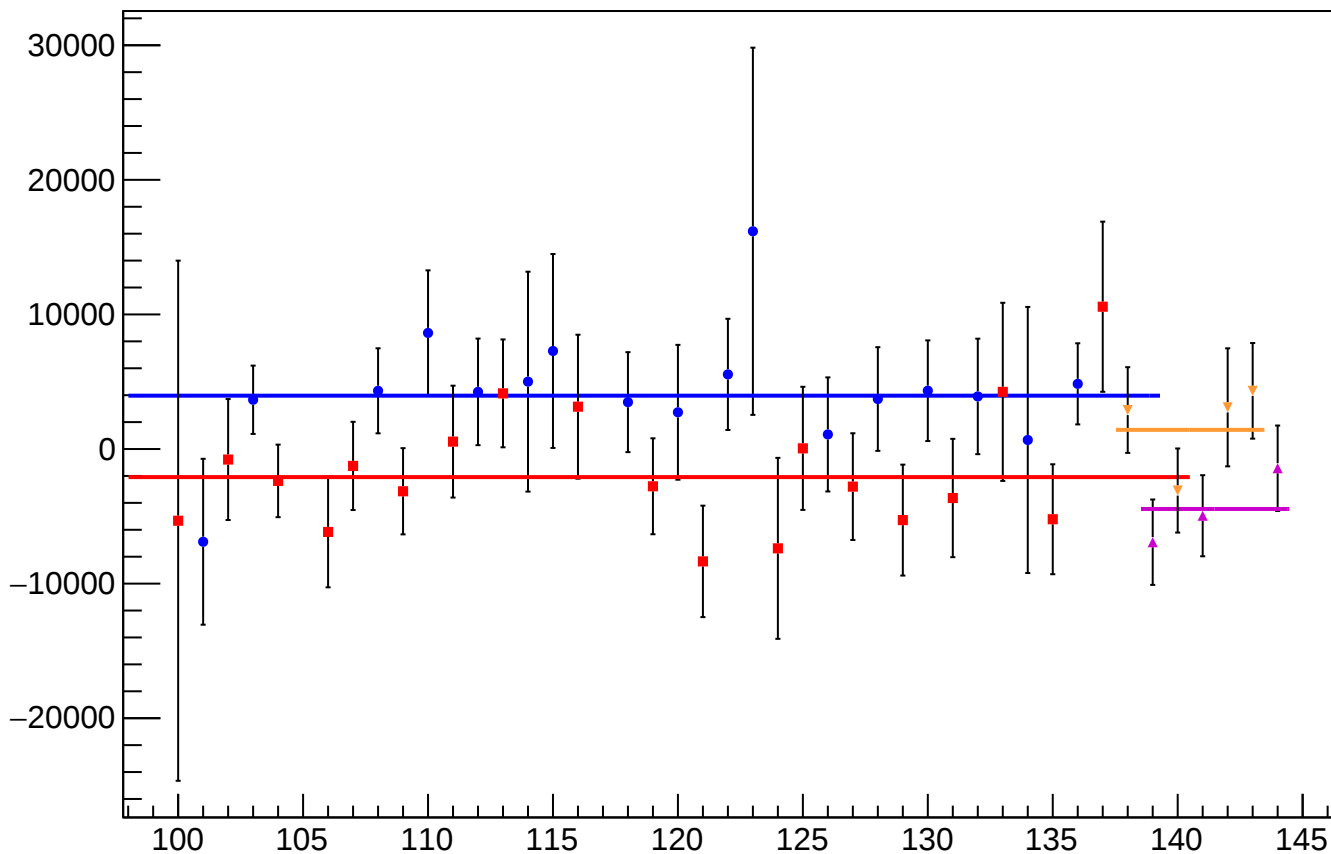
Left In: 3082.544+/-1.401 χ^2/NDF : 3305.3/2

+ sign 2966.664+/-0.702 χ^2/NDF : 669520.7/20

All: 2956.031+/-0.491 χ^2/NDF : 855226.1/42

- sign 2945.882+/-0.686 χ^2/NDF : 185257.5/21

reg_asym_atr2_mean vs Slug



Right In: 3964.122+/-1014.452 χ^2/NDF : 6.1/16

Left Out: 1424.957+/-1734.536 χ^2/NDF : 3.1/3

Right Out: -2085.504+/-960.571 χ^2/NDF : 14.5/18

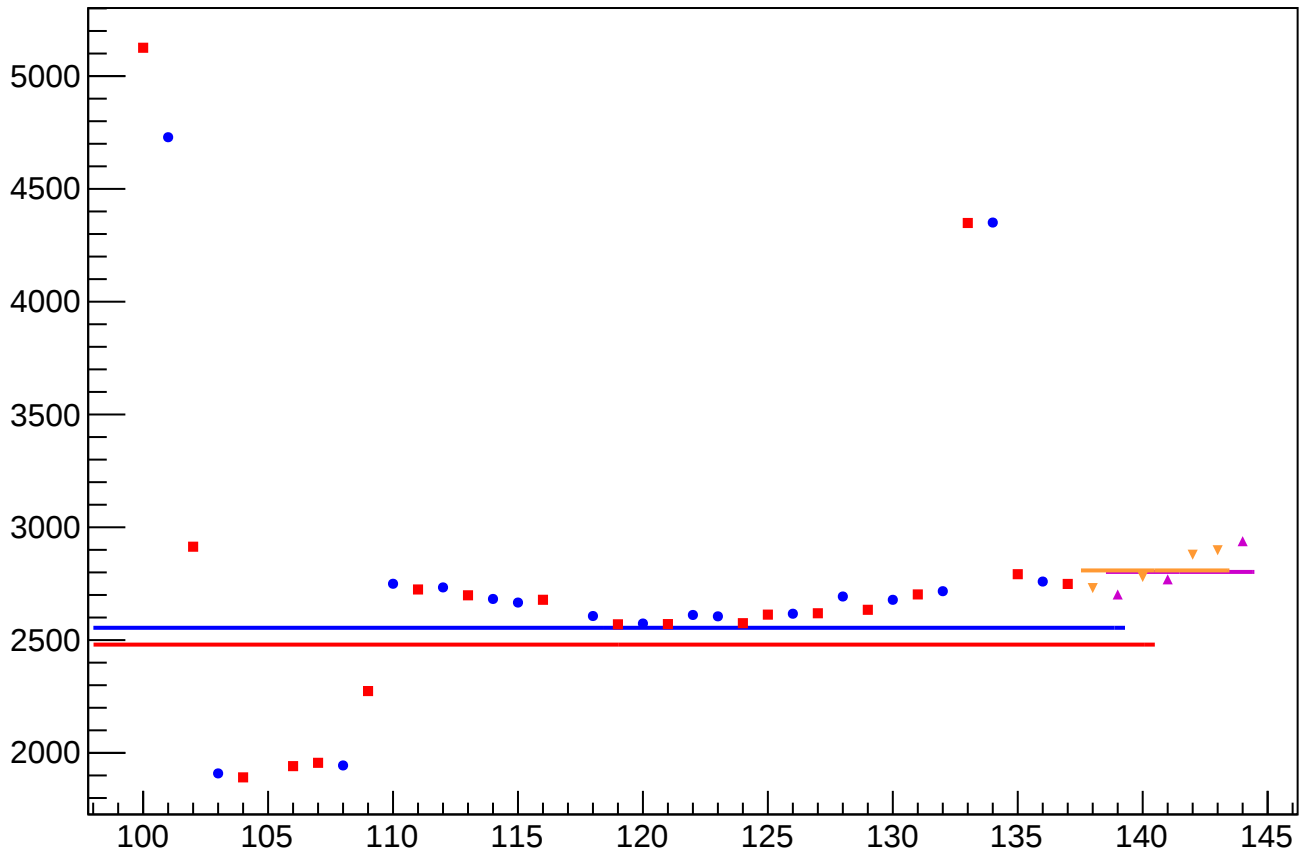
Left In: -4453.289+/-1799.073 χ^2/NDF : 1.5/2

+ sign 3316.954+/-875.682 χ^2/NDF : 10.8/20

All: 255.665+/-608.938 χ^2/NDF : 51.8/42

- sign -2610.765+/-847.354 χ^2/NDF : 17.4/21

reg_asym_atr2_rms vs Slug



Right In: 2554.506+/-0.717 χ^2/NDF : 545770.3/16

Left Out: 2808.751+/-1.227 χ^2/NDF : 3156.7/3

Right Out: 2479.954+/-0.679 χ^2/NDF : 450311.6/18

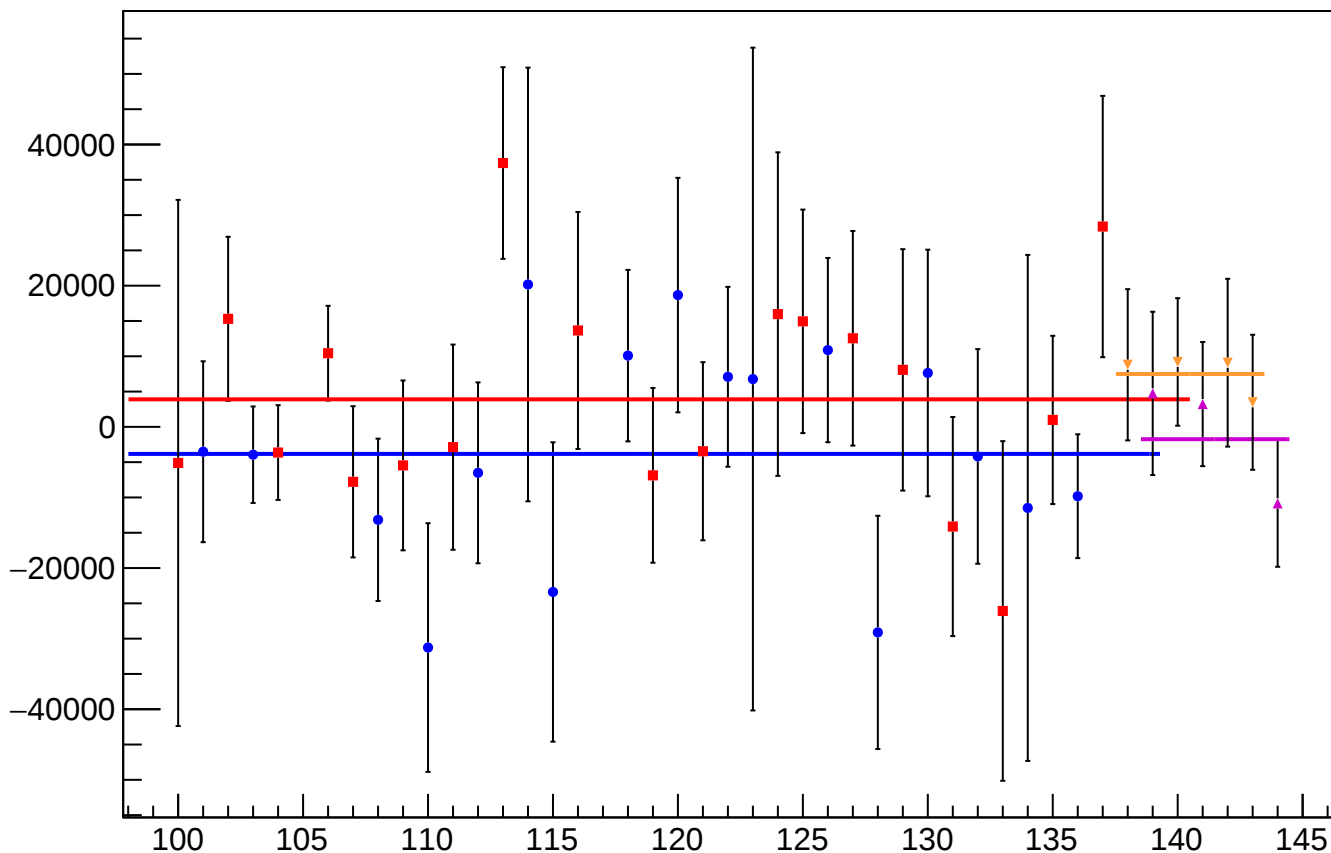
Left In: 2802.153+/-1.272 χ^2/NDF : 5914.5/2

+ sign 2619.307+/-0.619 χ^2/NDF : 580945.3/20

All: 2584.252+/-0.431 χ^2/NDF : 1093294.7/42

- sign 2551.429+/-0.599 χ^2/NDF : 506143.5/21

asym_atr2_correction_mean vs Slug



Right In: -3830.114 ± 3234.150 χ^2/NDF : 13.1/16

Left Out: 7485.020 ± 5065.575 χ^2/NDF : 0.2/3

Right Out: 3902.239 ± 2838.290 χ^2/NDF : 18.6/18

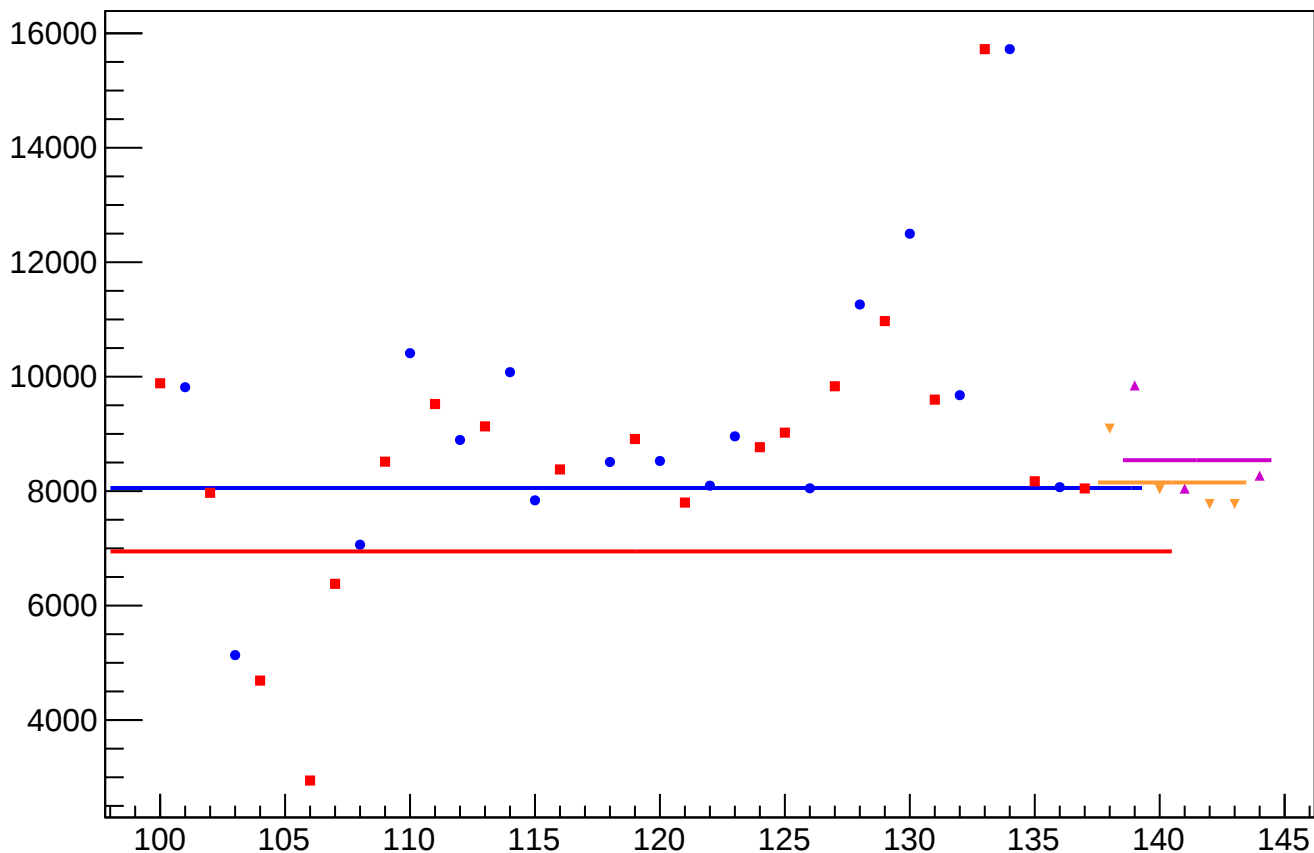
Left In: -1743.152 ± 5520.211 χ^2/NDF : 1.7/2

+ sign -553.428 ± 2725.940 χ^2/NDF : 16.9/20

All: 1209.893 ± 1852.090 χ^2/NDF : 38.7/42

- sign 2721.852 ± 2524.182 χ^2/NDF : 21.1/21

asym_atr2_correction_rms vs Slug



Right In: 8054.857 $\pm$ 2.287 χ^2 /NDF: 795337.9/16

Left Out: 8151.052 $\pm$ 3.582 χ^2 /NDF: 20860.5/3

Right Out: 6946.742 $\pm$ 2.007 χ^2 /NDF: 1776702.0/18

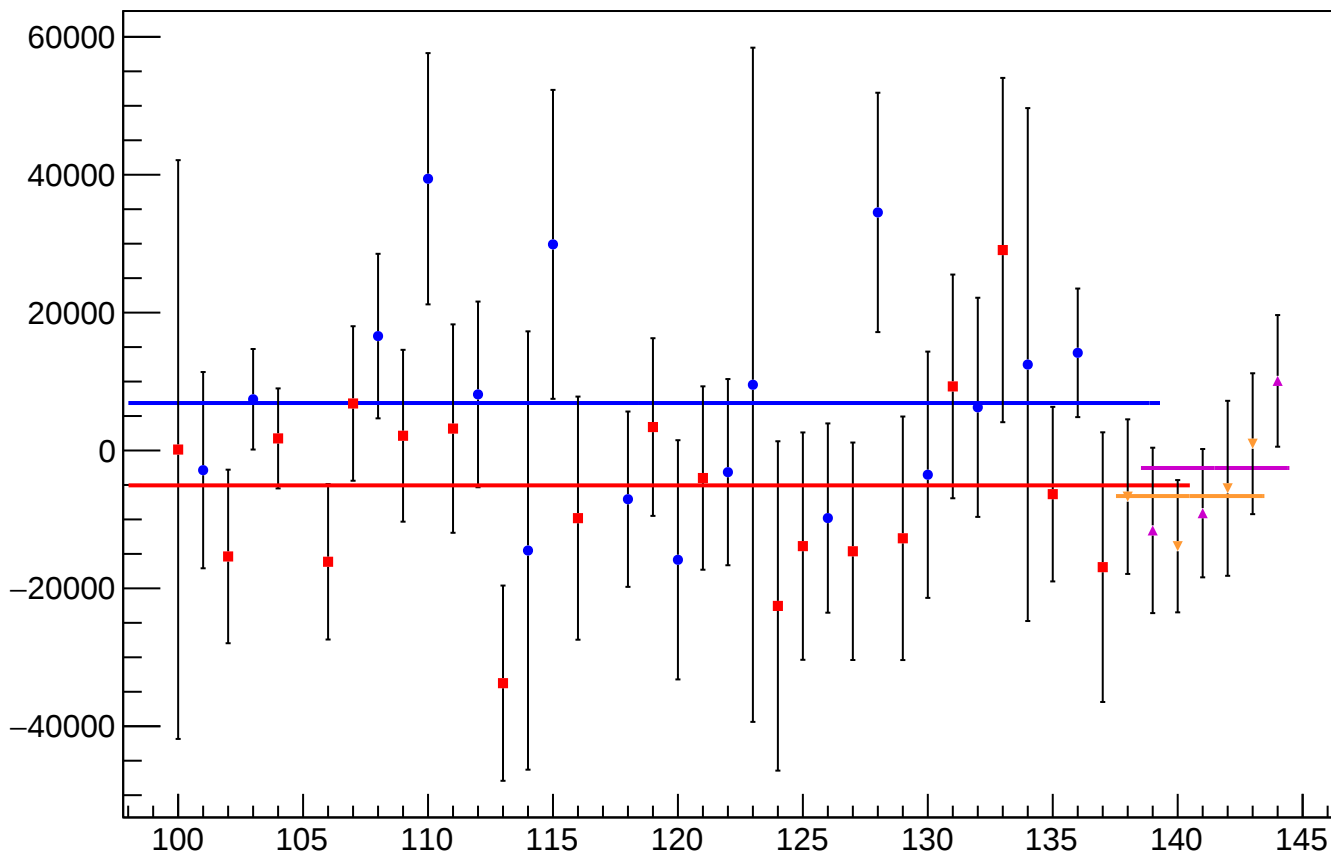
Left In: 8540.549 $\pm$ 3.903 χ^2 /NDF: 33715.8/2

+ sign 8082.714 $\pm$ 1.928 χ^2 /NDF: 816710.8/20

All: 7650.549 $\pm$ 1.310 χ^2 /NDF: 2852361.7/42

- sign 7279.988 $\pm$ 1.785 χ^2 /NDF: 1942279.3/21

asym_atr2_mean vs Slug



Right In: 6886.765 $\pm$ 3417.693 χ^2 /NDF: 14.3/16

Left Out: -6610.071 $\pm$ 5375.835 χ^2 /NDF: 1.1/3

Right Out: -5059.238 $\pm$ 3173.297 χ^2 /NDF: 13.3/18

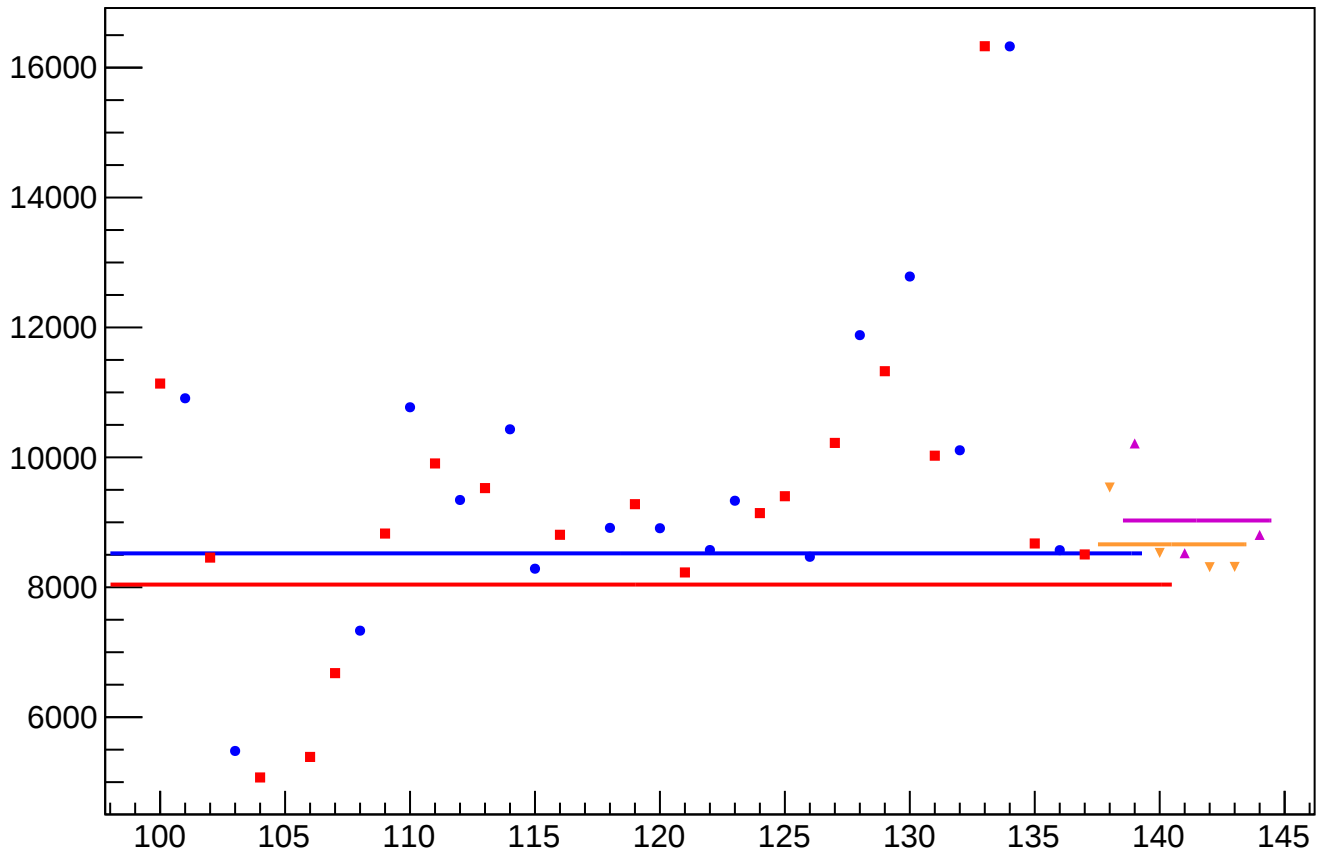
Left In: -2539.166 $\pm$ 5826.261 χ^2 /NDF: 2.8/2

+ sign 3001.832 $\pm$ 2884.176 χ^2 /NDF: 19.9/20

All: -868.961 $\pm$ 2004.092 χ^2 /NDF: 39.7/42

- sign -4482.694 $\pm$ 2786.761 χ^2 /NDF: 16.3/21

asym_atr2_rms vs Slug



Right In: 8521.835+/-2.417 χ^2/NDF : 769872.2/16

Left Out: 8660.958+/-3.801 χ^2/NDF :16395.7/3

Right Out: 8041.570+/-2.244 χ^2/NDF : 953300.0/18

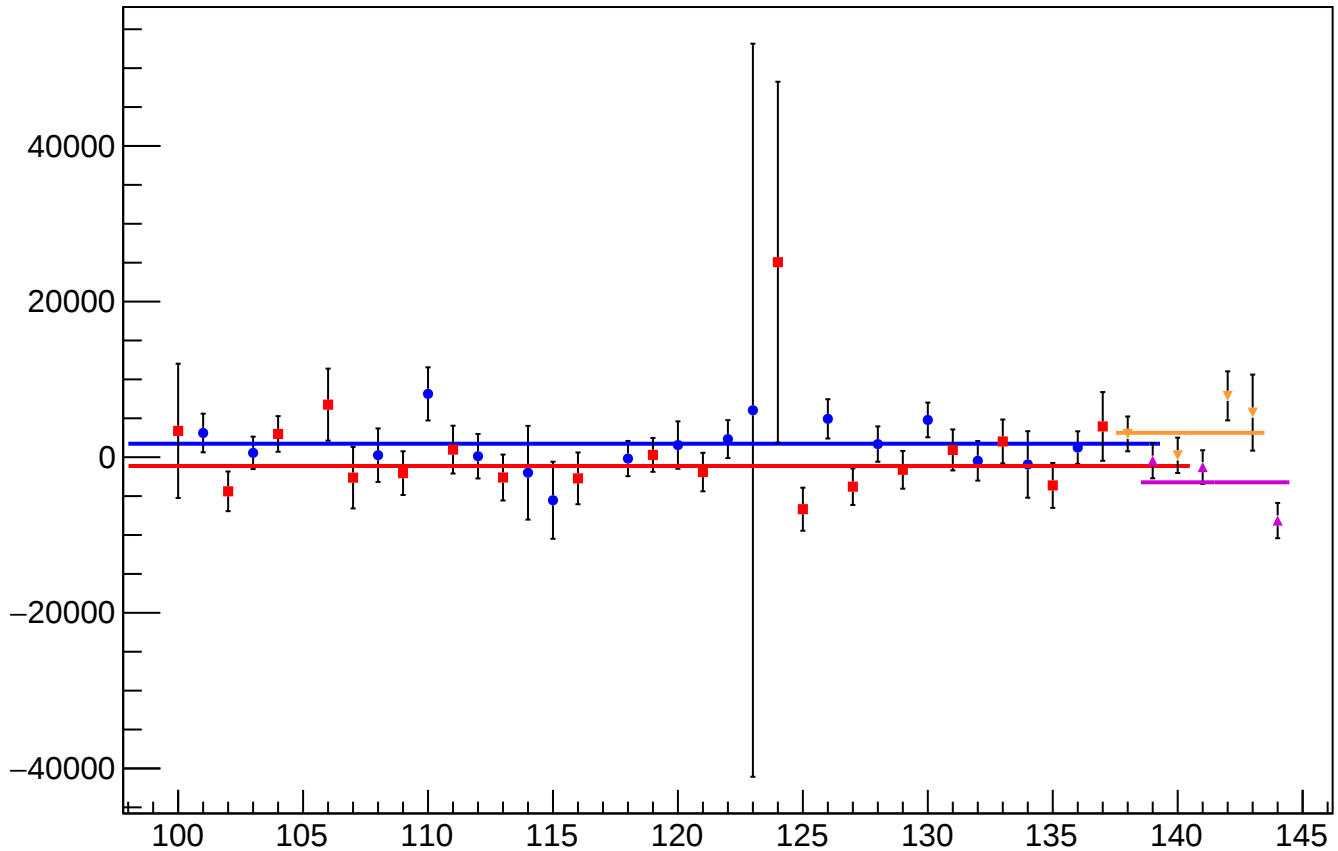
Left In: 9028.002+/-4.120 χ^2/NDF :26494.8/2

+ sign 8561.880+/-2.039 χ^2/NDF : 787221.8/20

All: 8409.493+/-1.417 χ^2/NDF : 1822027.0/42

- sign 8267.234+/-1.970 χ^2/NDF : 1024009.8/21

reg_asym_atl_avg_mean vs Slug



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

Left Out: 3133.574+/-1365.705 χ^2/NDF : 4.2/3

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

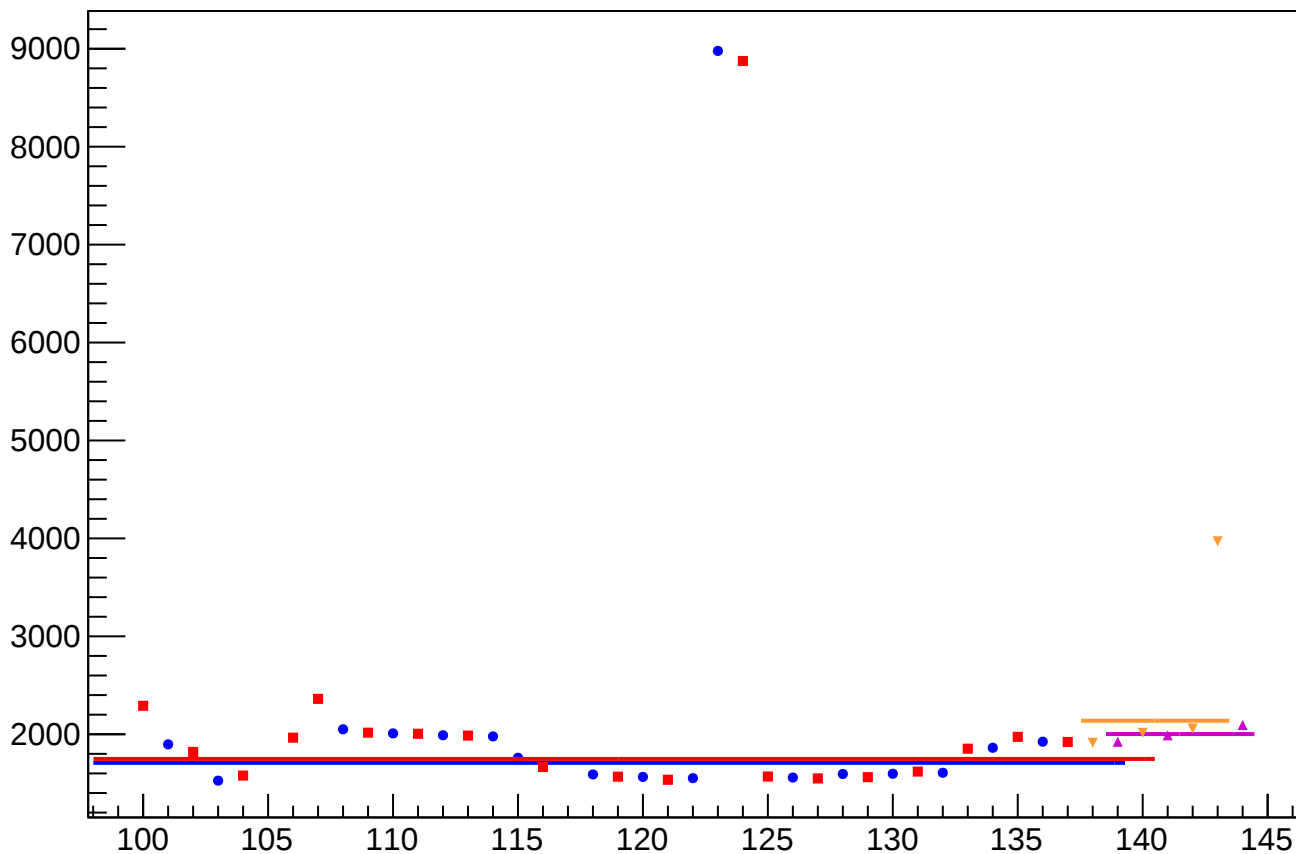
Left In: -3227.295+/-1288.578 χ^2/NDF : 7.0/2

+ sign 2006.287+/-603.044 χ^2/NDF : 17.7/20

All: 193.413+/-424.122 χ^2/NDF : 65.0/42

- sign -1580.957+/-596.606 χ^2/NDF : 29.4/21

reg_asym_atl_avg_rms vs Slug



Right In: 1708.196 $\pm$ 0.475 χ^2 /NDF: 195783.3/16

Left Out: 2137.741 $\pm$ 0.966 χ^2 /NDF: 308488.6/3

Right Out: 1748.067 $\pm$ 0.474 χ^2 /NDF: 396355.2/18

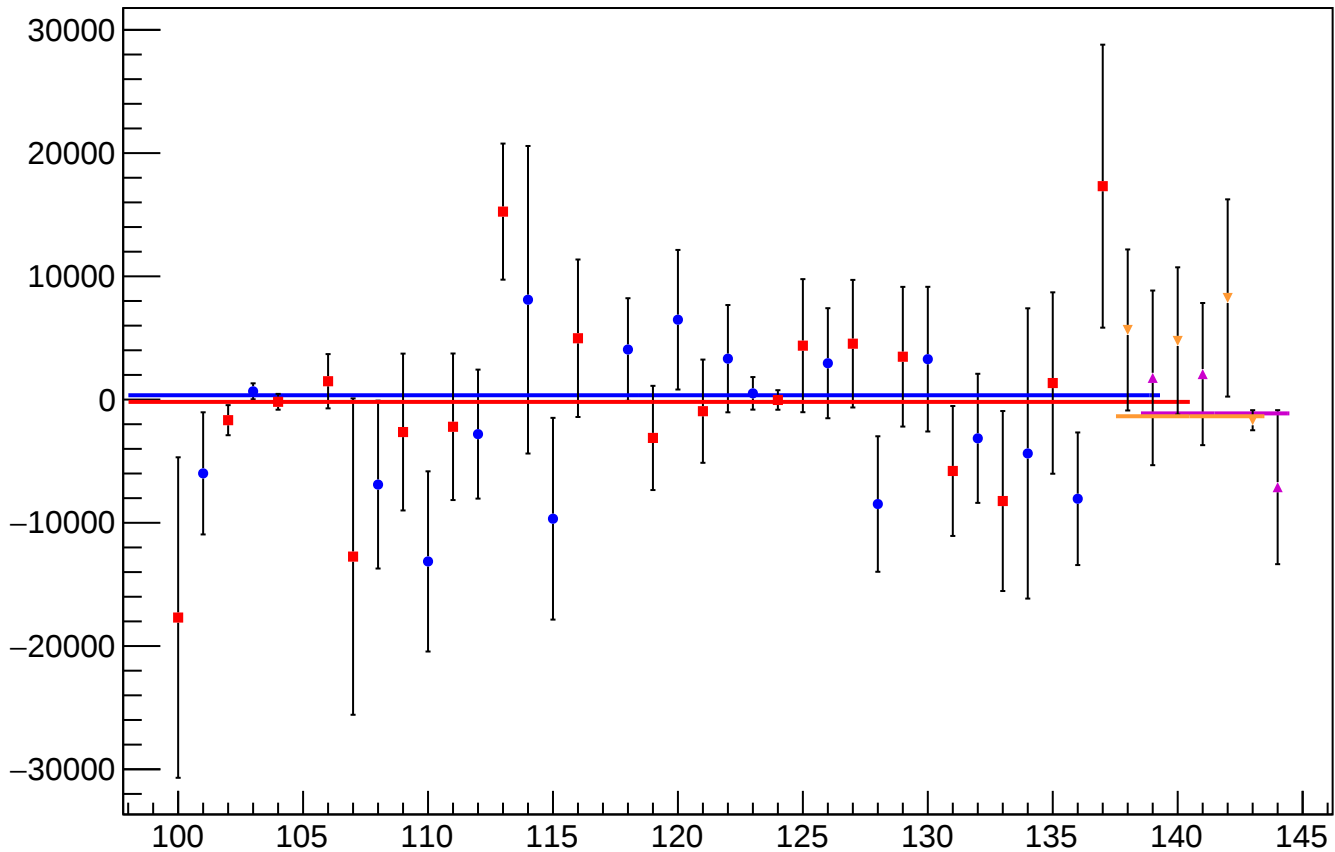
Left In: 2002.202 $\pm$ 0.911 χ^2 /NDF: 5785.2/2

+ sign 1791.948 $\pm$ 0.426 χ^2 /NDF: 663544.6/20

All: 1797.127 $\pm$ 0.299 χ^2 /NDF: 1127210.1/42

- sign 1802.161 $\pm$ 0.420 χ^2 /NDF: 463374.5/21

asym_atl_avg_correction_mean vs Slug



Right In: 350.603+/-540.664 χ^2/NDF : 17.3/16

Left Out: -1353.375+/-797.155 χ^2/NDF : 3.8/3

Right Out: -188.213+/-433.673 χ^2/NDF : 20.8/18

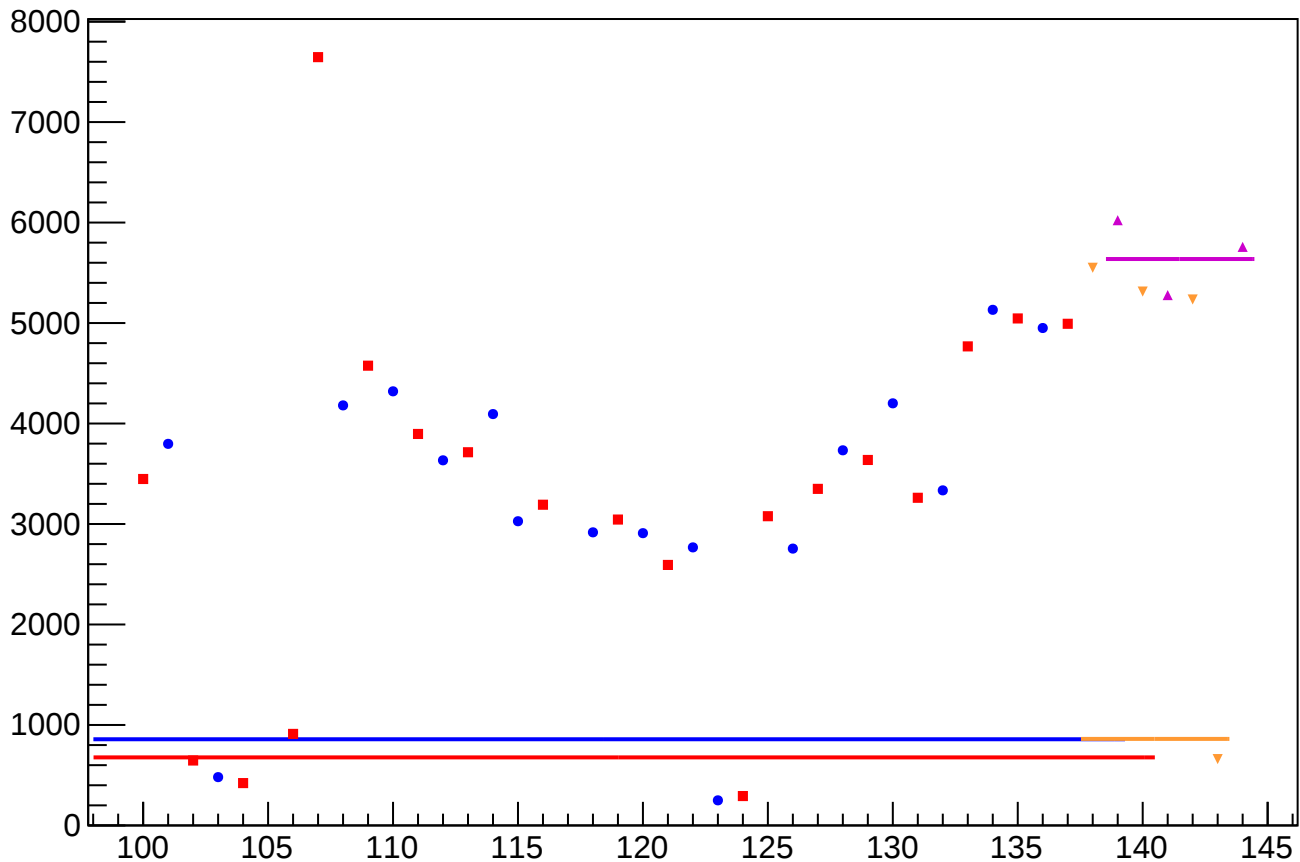
Left In: -1121.798+/-3637.134 χ^2/NDF : 1.4/2

+ sign -186.277+/-447.455 χ^2/NDF : 24.2/20

All: -194.077+/-310.276 χ^2/NDF : 46.5/42

- sign -201.300+/-430.623 χ^2/NDF : 22.2/21

asym_atl_avg_correction_rms vs Slug



Right In: 857.789+/-0.382 χ^2/NDF : 8126360.1/16

Left Out: 861.343+/-0.564 χ^2/NDF : 2858845.9/3

Right Out: 677.369+/-0.307 χ^2/NDF : 8357347.2/18

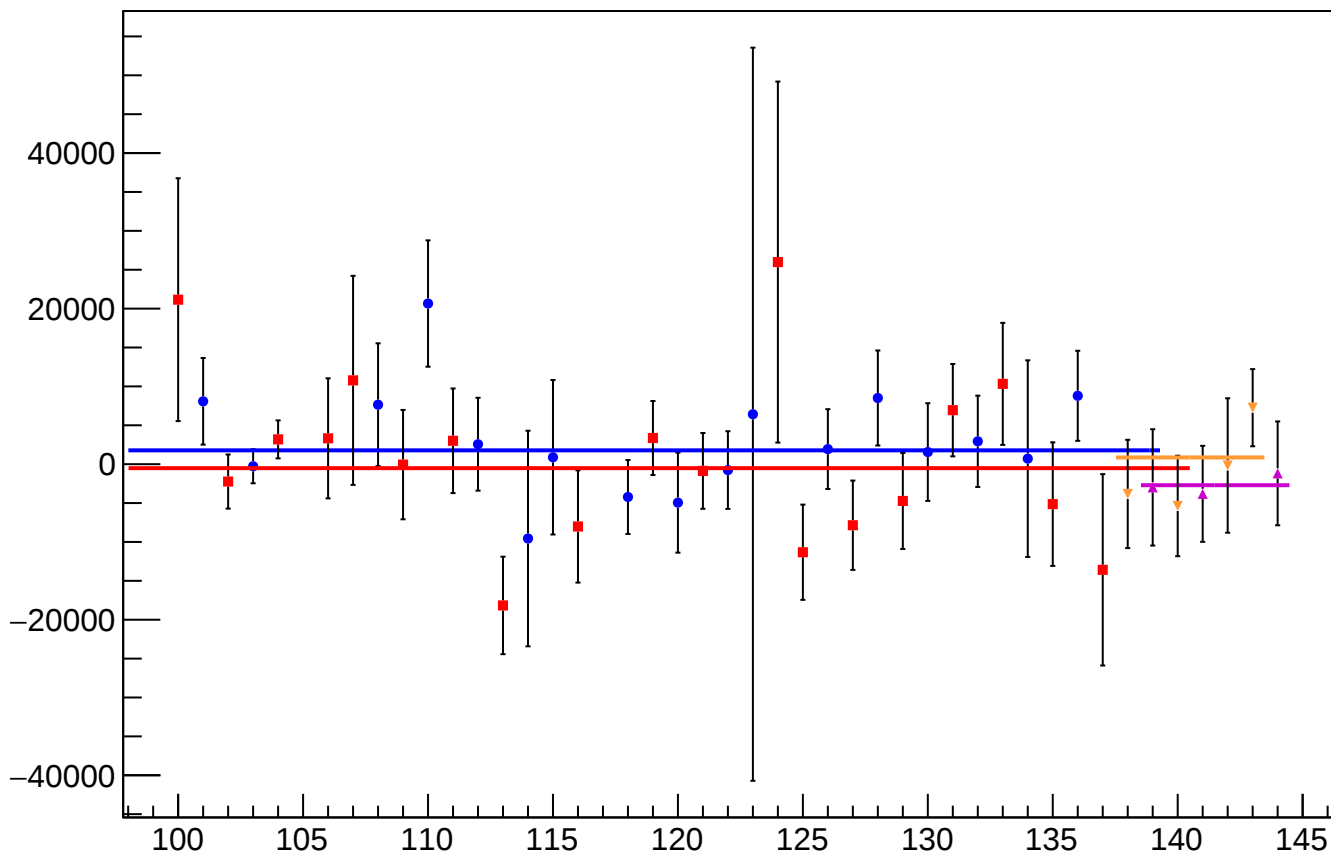
Left In: 5637.141+/-2.572 χ^2/NDF : 14444.5/2

+ sign 858.909+/-0.316 χ^2/NDF : 10985233.2/20

All: 800.754+/-0.219 χ^2/NDF : 23089037.7/42

- sign 746.893+/-0.304 χ^2/NDF : 12038733.1/21

asym_atl_avg_mean vs Slug



Right In: 1778.180+/-1313.267 χ^2/NDF : 14.5/16

Left Out: 862.895+/-3184.100 χ^2/NDF : 3.1/3

Right Out: -512.708+/-1288.422 χ^2/NDF : 26.9/18

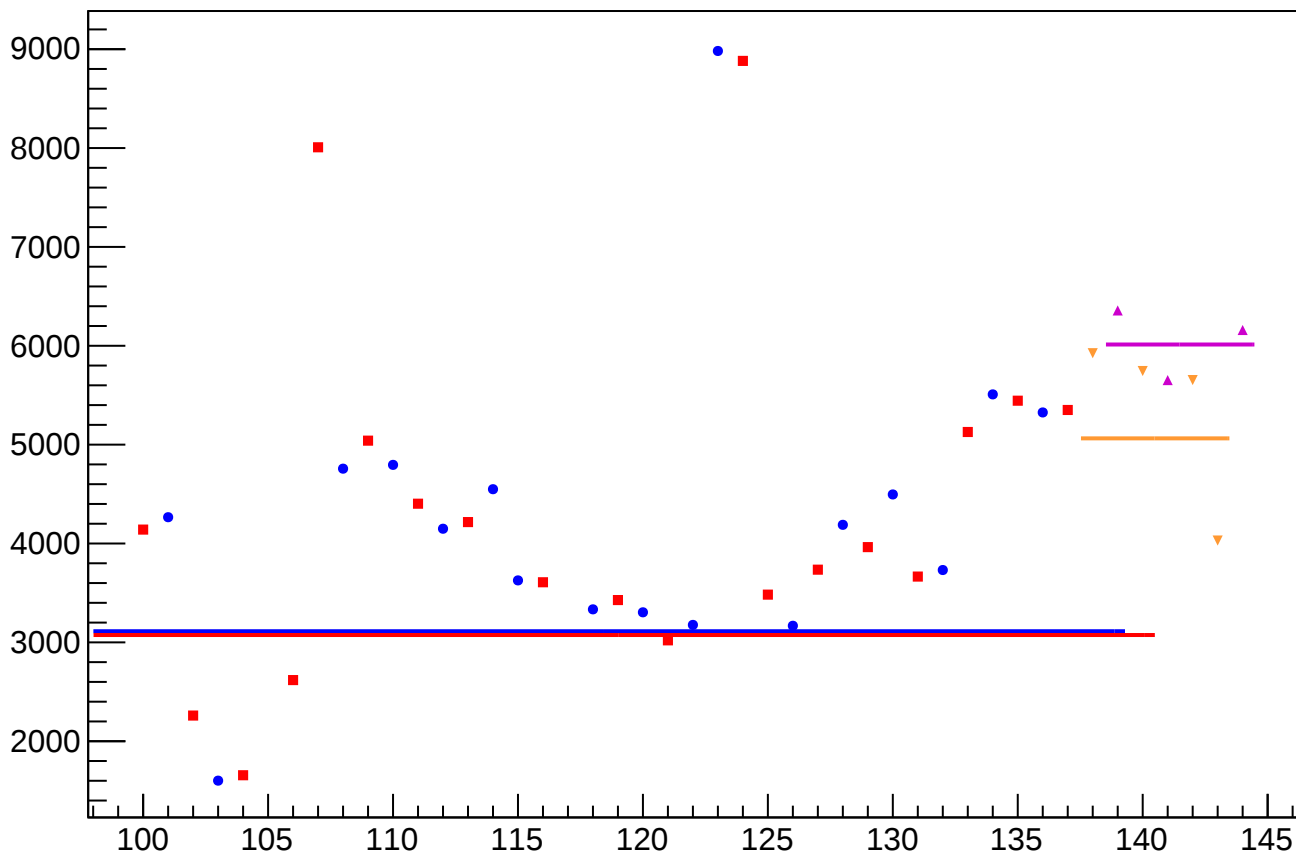
Left In: -2704.675+/-3876.170 χ^2/NDF : 0.1/2

+ sign 1645.116+/-1214.058 χ^2/NDF : 17.6/20

All: 465.536+/-861.490 χ^2/NDF : 46.8/42

- sign -730.796+/-1222.648 χ^2/NDF : 27.2/21

asym_atl_avg_rms vs Slug



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

Left Out: 5063.446+/-2.251 χ^2/NDF :148977.1/3

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

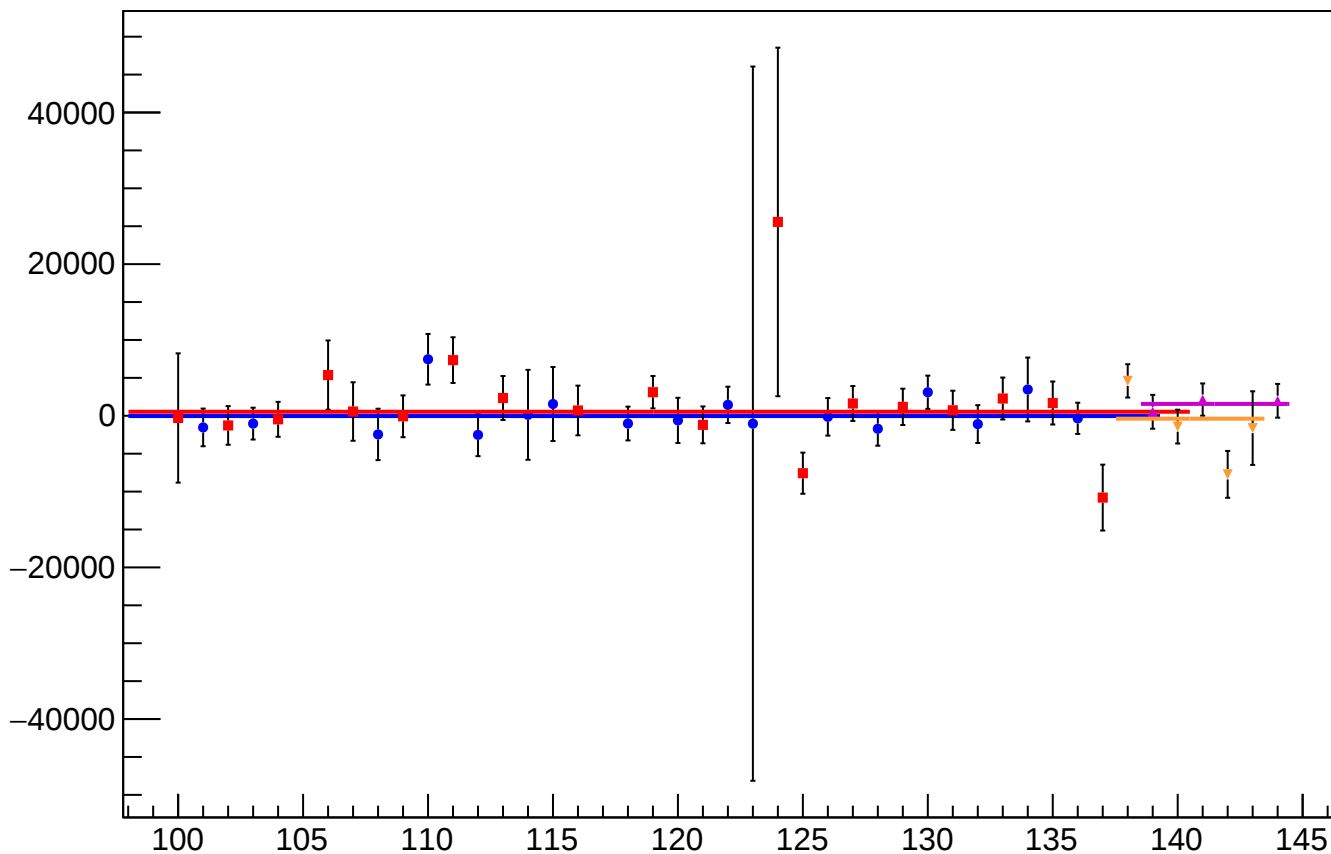
Left In: 6012.860+/-2.741 χ^2/NDF :12010.9/2

+ sign 3396.206+/-0.858 χ^2/NDF : 2673159.3/20

All: 3377.541+/-0.605 χ^2/NDF : 5731265.6/42

- sign 3359.104+/-0.853 χ^2/NDF : 3057166.6/21

reg_asym_atl_dd_mean vs Slug



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

Left Out: -383.175 ± 1342.427 χ^2/NDF : 11.1/3

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

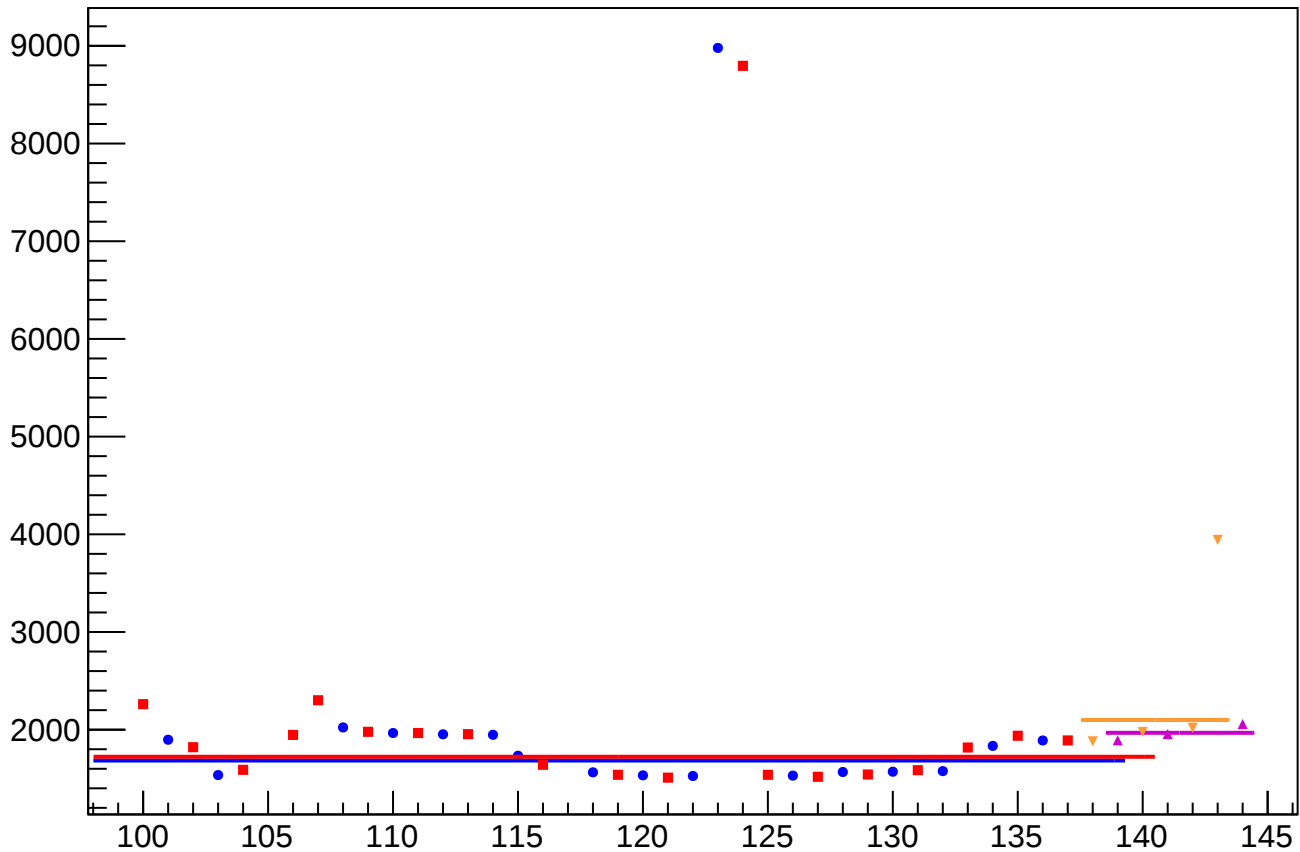
Left In: 1565.379 ± 1266.602 χ^2/NDF : 0.3/2

+ sign -105.854 ± 594.336 χ^2/NDF : 22.3/20

All: 328.444 ± 417.842 χ^2/NDF : 51.3/42

- sign 752.891 ± 587.557 χ^2/NDF : 28.0/21

reg_asym_atl_dd_rms vs Slug



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

Left Out: 2099.578 $\pm$ 0.949 χ^2 /NDF: 315637.4/3

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

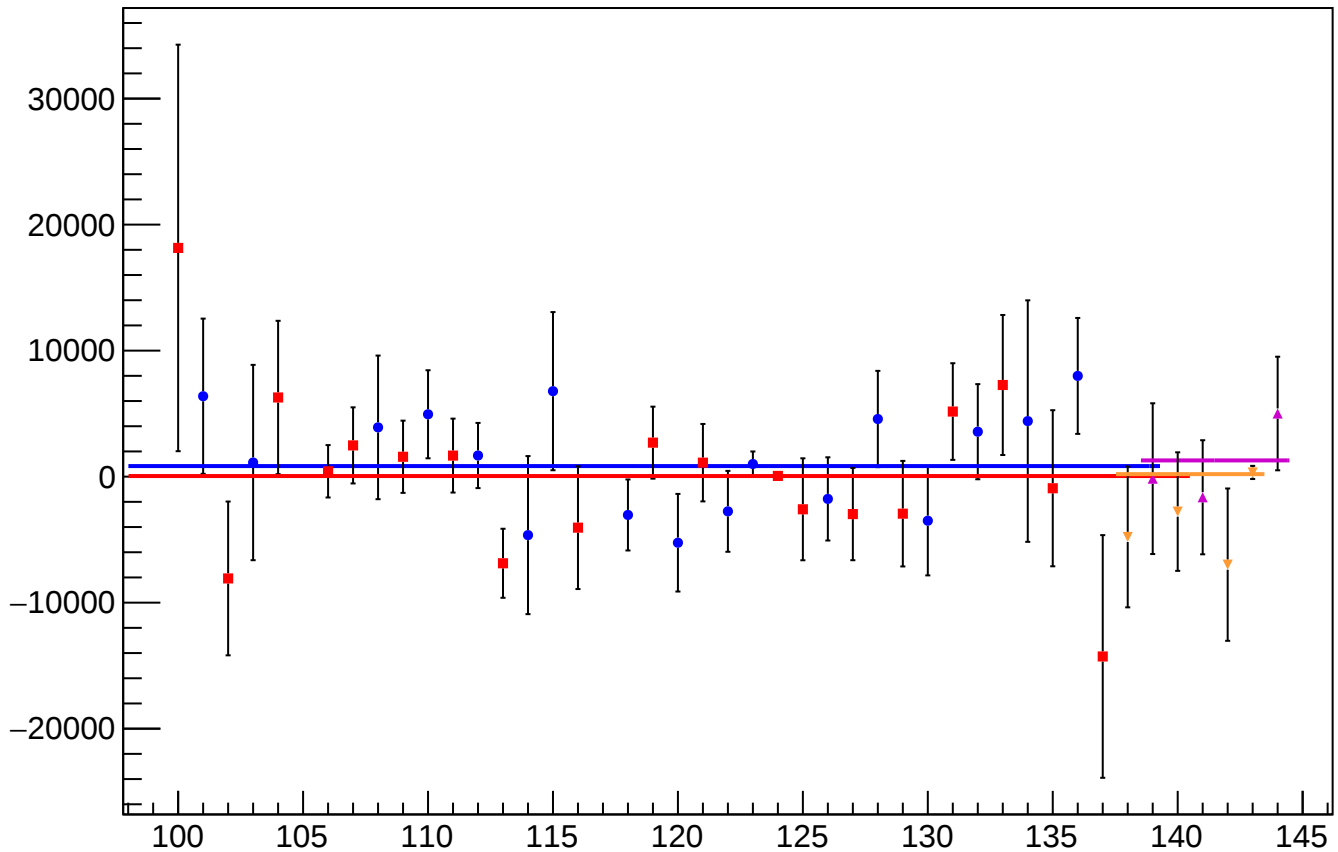
Left In: 1968.155 $\pm$ 0.896 χ^2 /NDF: 5705.5/2

+ sign 1765.999 $\pm$ 0.420 χ^2 /NDF: 663259.0/20

All: 1770.773 $\pm$ 0.295 χ^2 /NDF: 1120673.0/42

- sign 1775.406 $\pm$ 0.414 χ^2 /NDF: 457159.8/21

asym_atl_dd_correction_mean vs Slug



Right In: 838.236 ± 706.837 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 198.856 ± 515.172 $\chi^2/\text{NDF}: 2.7/3$

Right Out: 47.538 ± 357.307 $\chi^2/\text{NDF}: 20.8/18$

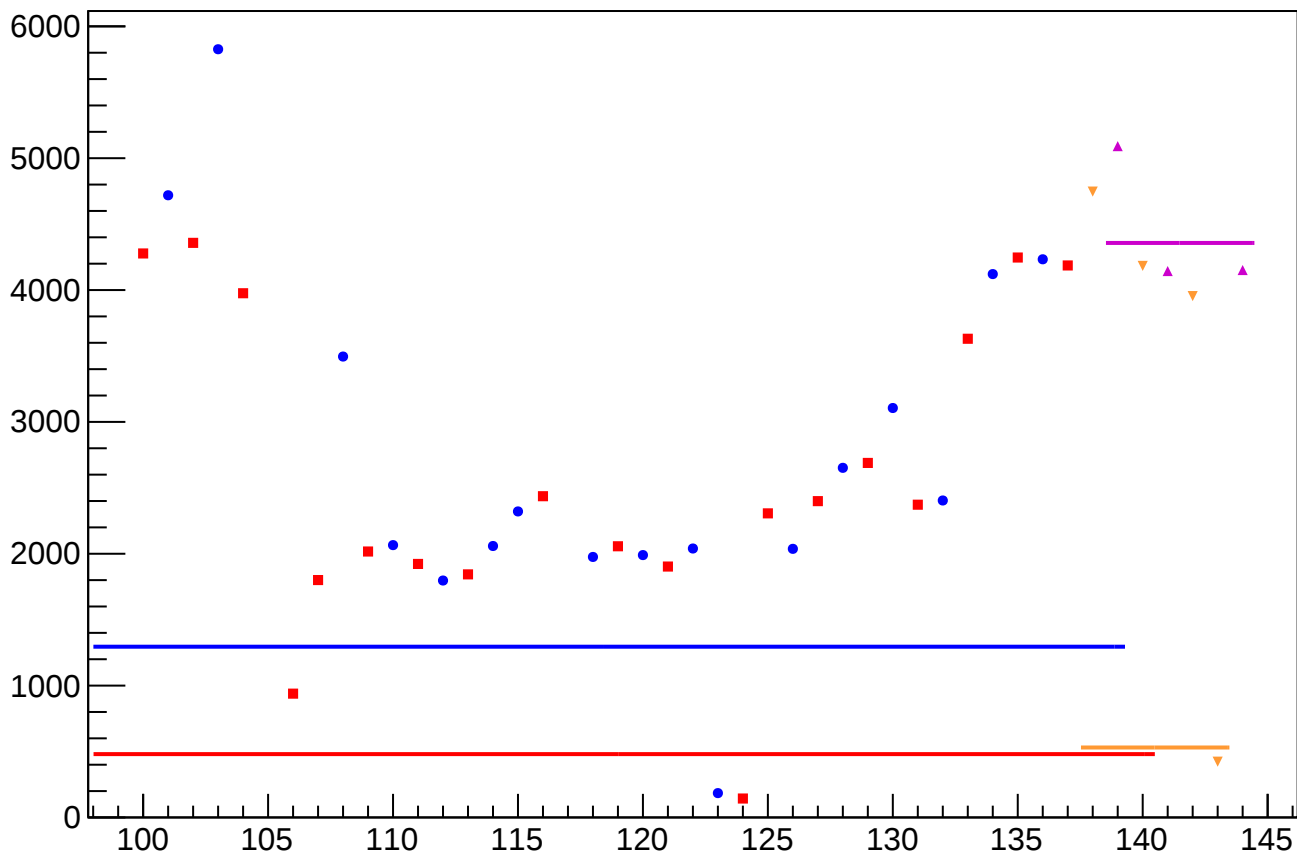
Left In: 1288.035 ± 2817.468 $\chi^2/\text{NDF}: 1.2/2$

+ sign 420.671 ± 416.328 $\chi^2/\text{NDF}: 18.8/20$

All: 215.734 ± 269.894 $\chi^2/\text{NDF}: 41.3/42$

- sign 67.173 ± 354.468 $\chi^2/\text{NDF}: 22.1/21$

asym_atl_dd_correction_rms vs Slug



Right In: 1295.065 $\pm$ 0.500 χ^2/NDF : 6509427.9/16

Left Out: 530.573 $\pm$ 0.364 χ^2/NDF : 3070970.4/3

Right Out: 480.403 $\pm$ 0.253 χ^2/NDF : 10116692.6/18

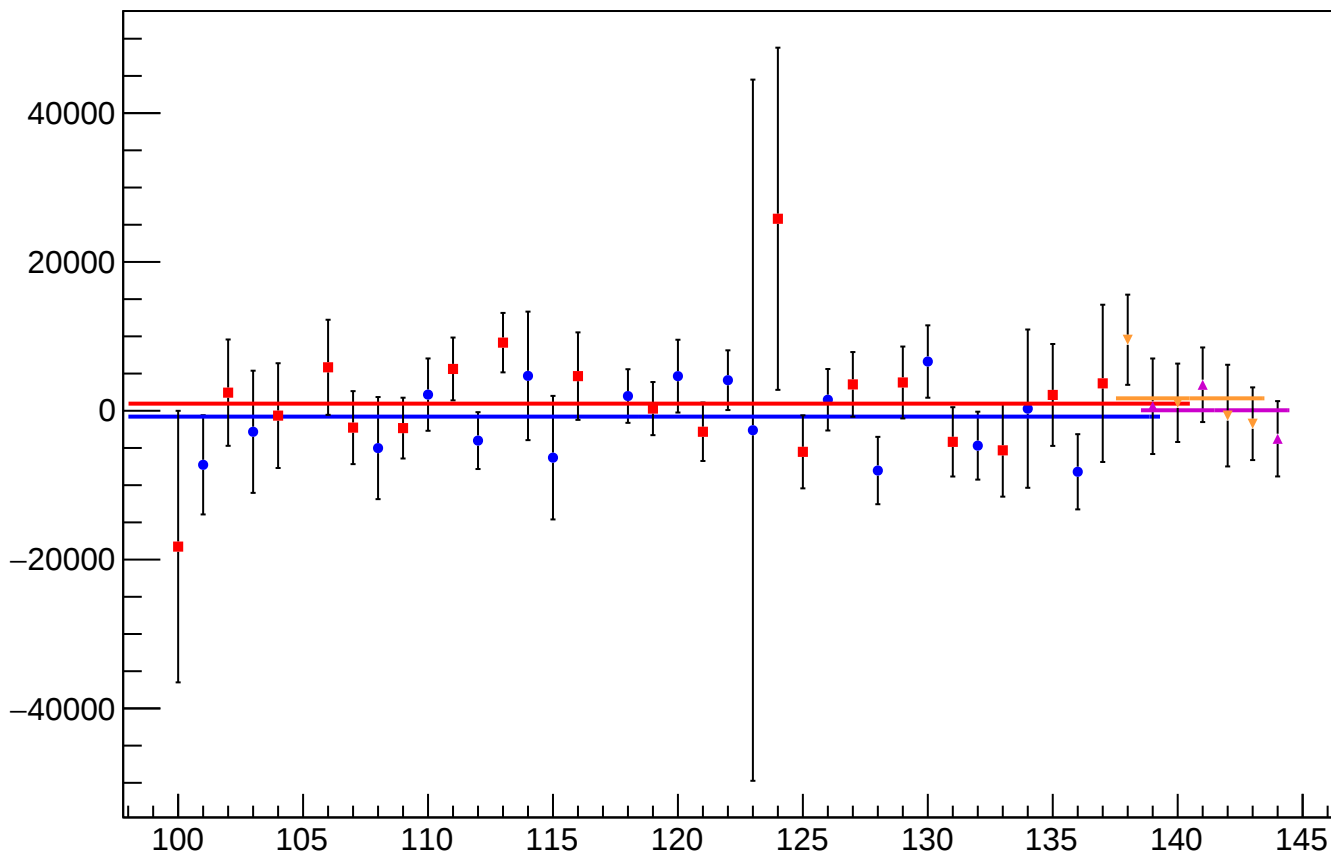
Left In: 4357.286 $\pm$ 1.992 χ^2/NDF : 38716.9/2

+ sign 795.792 $\pm$ 0.294 χ^2/NDF : 11108323.6/20

All: 648.524 $\pm$ 0.191 χ^2/NDF : 25422298.1/42

- sign 541.768 $\pm$ 0.251 χ^2/NDF : 13882312.7/21

asym_atl_dd_mean vs Slug



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

Left Out: 1671.409 ± 2810.471 χ^2/NDF : 2.3/3

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

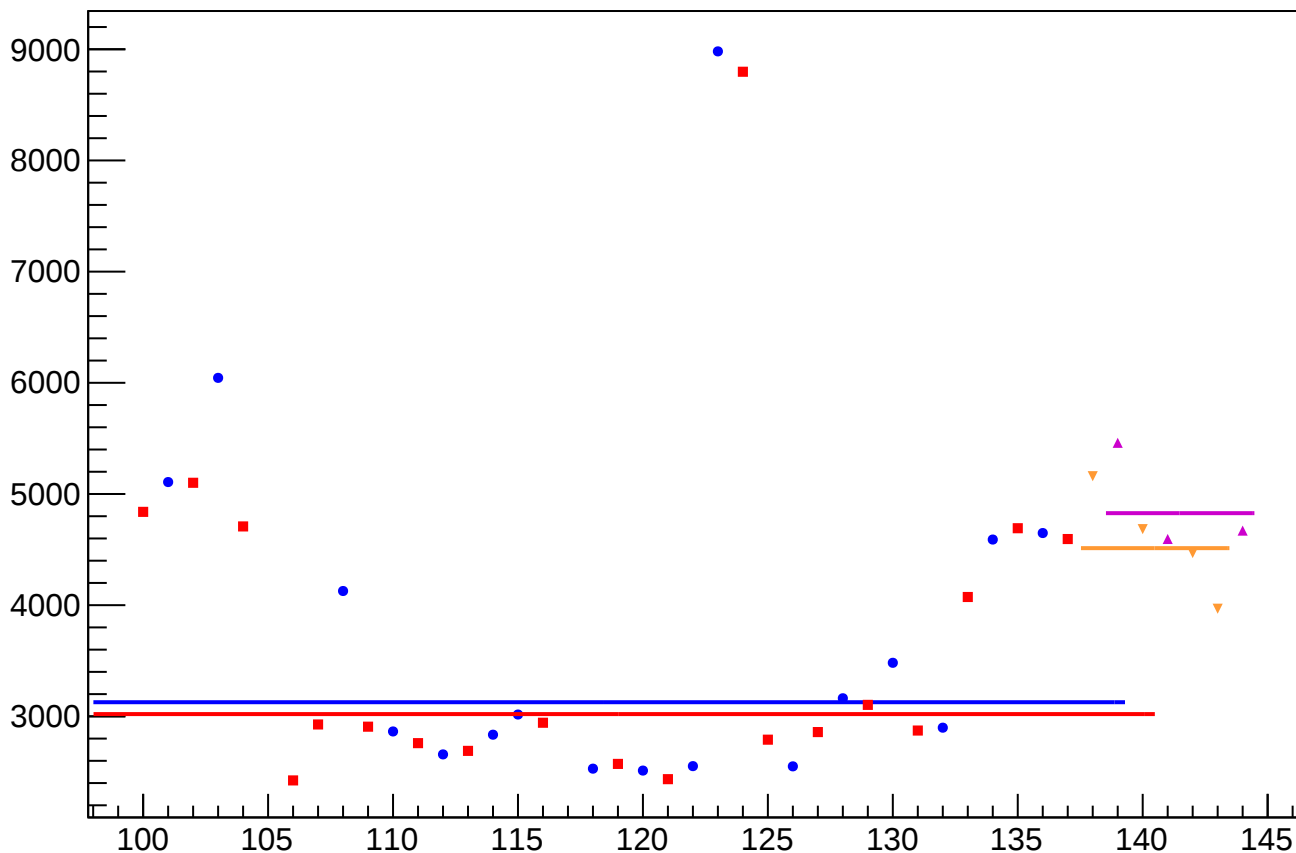
Left In: 66.914 ± 3114.700 χ^2/NDF : 1.0/2

+ sign -372.291 ± 1153.940 χ^2/NDF : 17.6/20

All: 256.346 ± 801.849 χ^2/NDF : 34.9/42

- sign 843.306 ± 1115.033 χ^2/NDF : 16.7/21

asym_atl_dd_rms vs Slug



Right In: 3127.109+/-0.895 χ^2/NDF : 942783.2/16

Left Out: 4512.873+/-1.987 χ^2/NDF : 49863.5/3

Right Out: 3020.357+/-0.834 χ^2/NDF : 791453.3/18

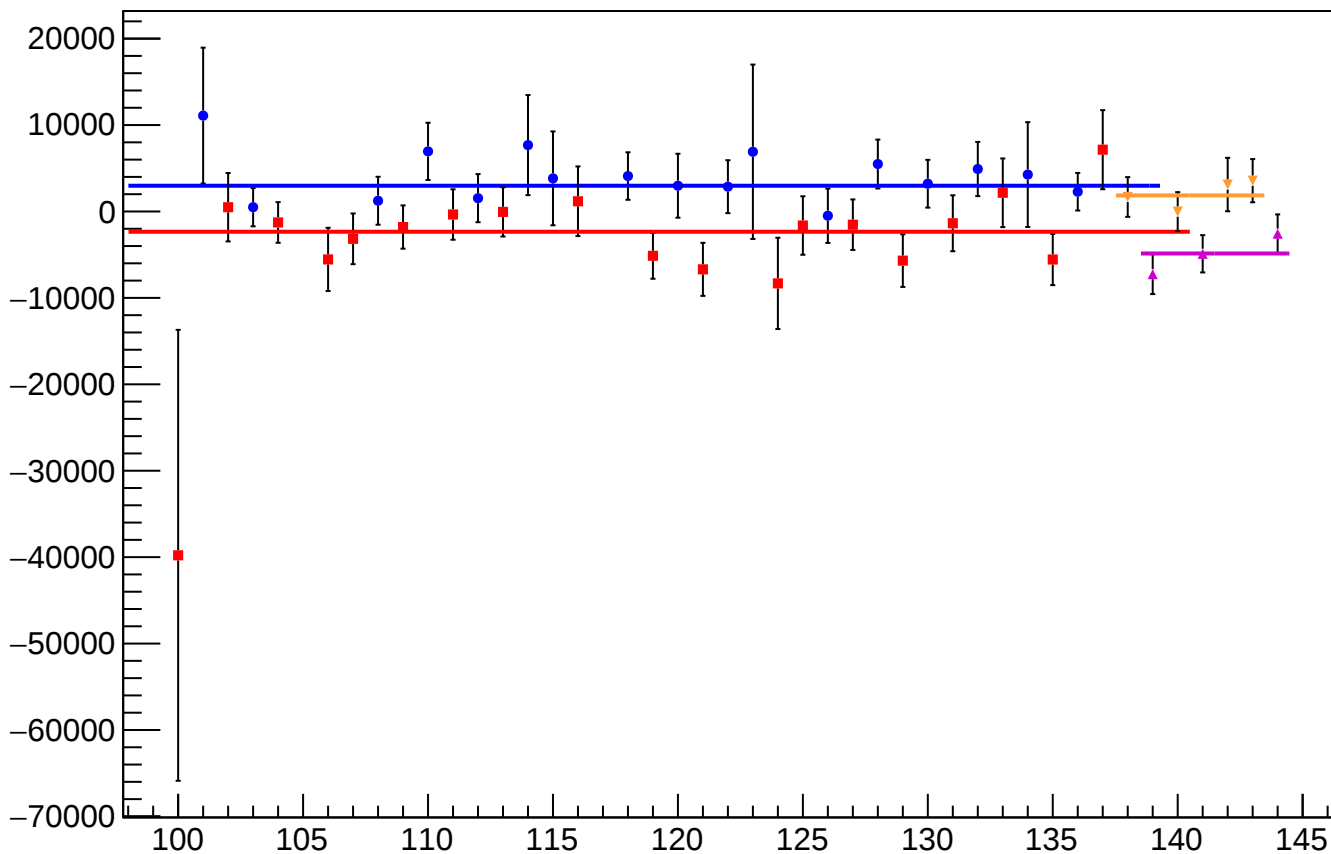
Left In: 4827.535+/-2.202 χ^2/NDF : 25639.2/2

+ sign 3360.721+/-0.816 χ^2/NDF : 1396916.5/20

All: 3301.245+/-0.564 χ^2/NDF : 2813051.9/42

- sign 3246.921+/-0.780 χ^2/NDF : 1405969.5/21

reg_asym_atr_avg_mean vs Slug



Right In: 2978.237+/-777.589 χ^2/NDF : 8.0/16

Left Out: 1859.813+/-1239.933 χ^2/NDF : 1.3/3

Right Out: -2344.712+/-742.207 χ^2/NDF : 18.1/18

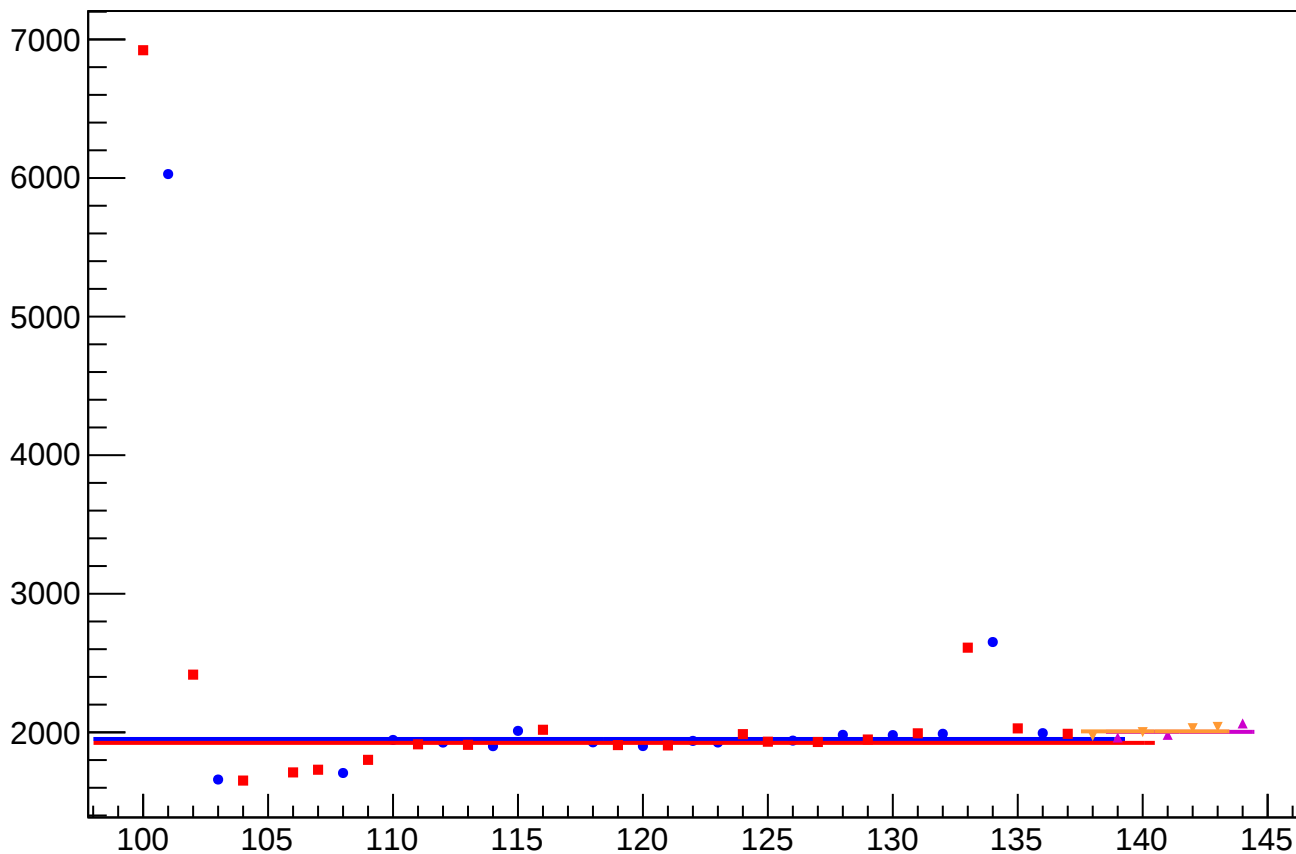
Left In: -4861.408+/-1287.022 χ^2/NDF : 2.1/2

+ sign 2662.539+/-658.765 χ^2/NDF : 9.9/20

All: -223.563+/-460.126 χ^2/NDF : 70.5/42

- sign -2972.800+/-642.955 χ^2/NDF : 23.1/21

reg_asym_atr_avg_rms vs Slug



Right In: 1952.104+/-0.550 χ^2/NDF : 617388.5/16

Left Out: 2006.969+/-0.877 χ^2/NDF : 881.7/3

Right Out: 1924.009+/-0.524 χ^2/NDF : 217499.2/18

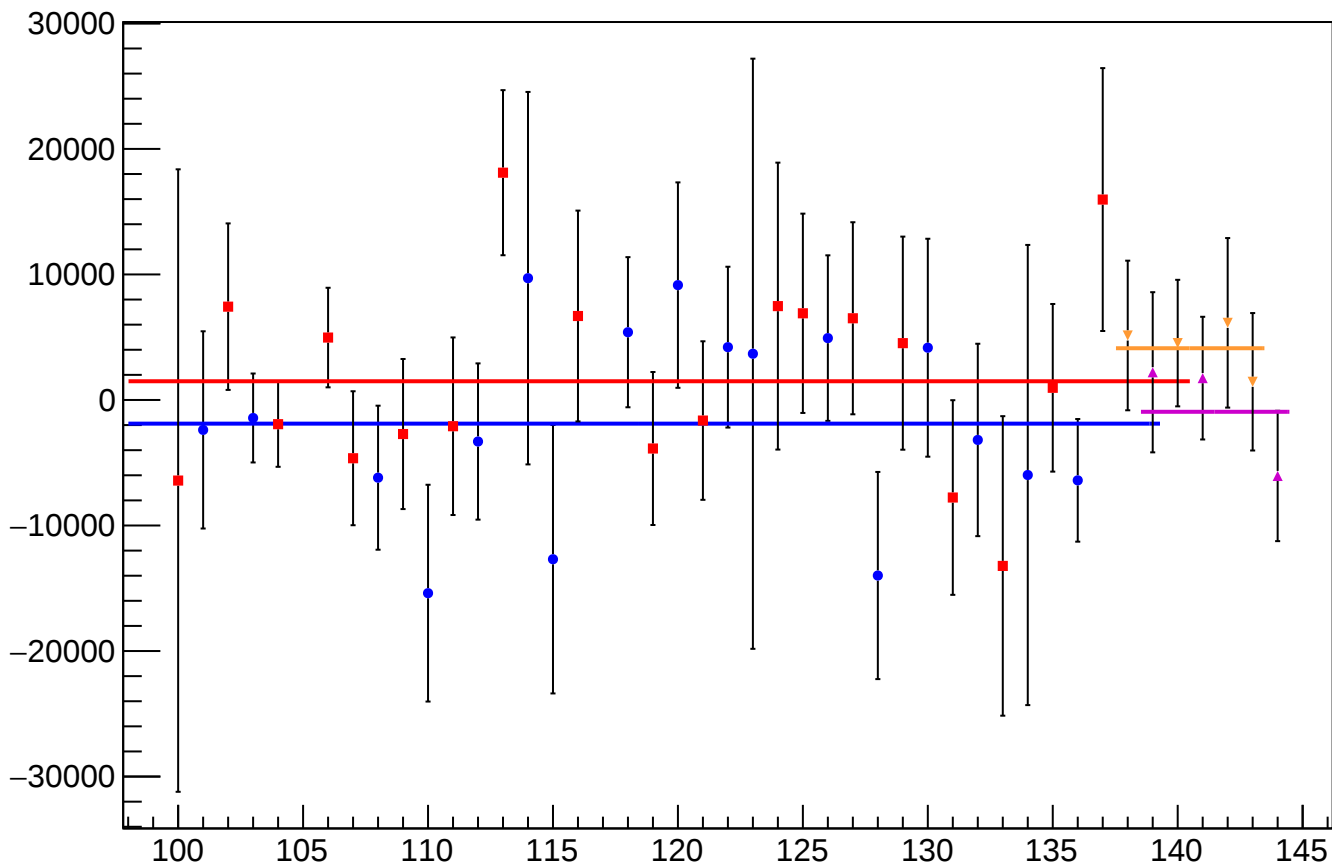
Left In: 2003.464+/-0.910 χ^2/NDF : 2292.7/2

+ sign 1967.591+/-0.466 χ^2/NDF : 621080.7/20

All: 1955.370+/-0.325 χ^2/NDF : 847941.3/42

- sign 1943.769+/-0.454 χ^2/NDF : 225518.8/21

asym_atr_avg_correction_mean vs Slug



Right In: -1885.502+/-1665.011 χ^2/NDF : 13.6/16

Left Out: 4121.096+/-2853.377 χ^2/NDF : 0.4/3

Right Out: 1490.988+/-1479.647 χ^2/NDF : 18.7/18

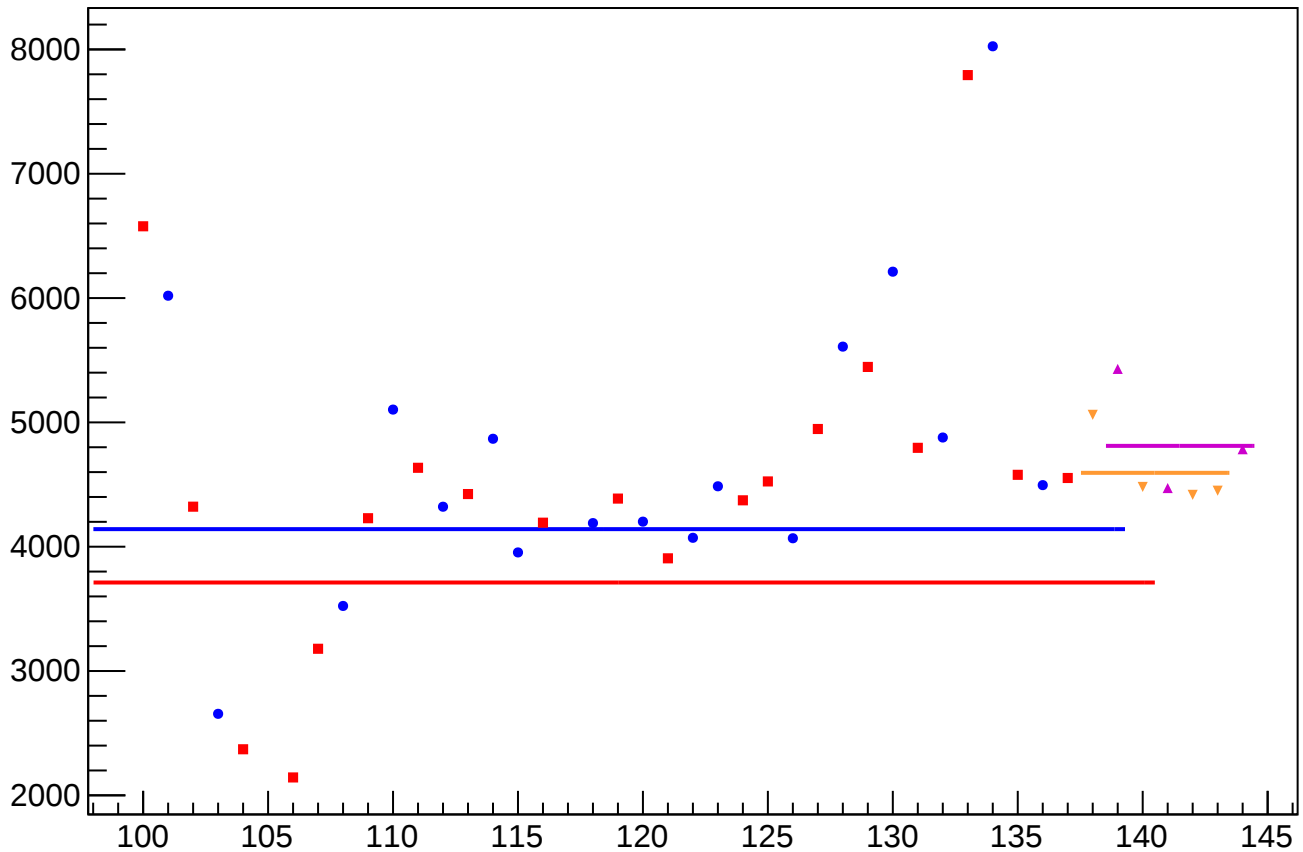
Left In: -941.944+/-3107.767 χ^2/NDF : 1.5/2

+ sign -359.770+/-1438.083 χ^2/NDF : 17.3/20

All: 392.329+/-978.778 χ^2/NDF : 38.5/42

- sign 1041.398+/-1335.955 χ^2/NDF : 20.7/21

asym_atr_avg_correction_rms vs Slug



Right In: 4141.263+/-1.177 χ^2/NDF : 818140.6/16

Left Out: 4594.194+/-2.018 χ^2/NDF : 16025.2/3

+ sign 4256.312+/-1.017 χ^2/NDF : 871758.8/20

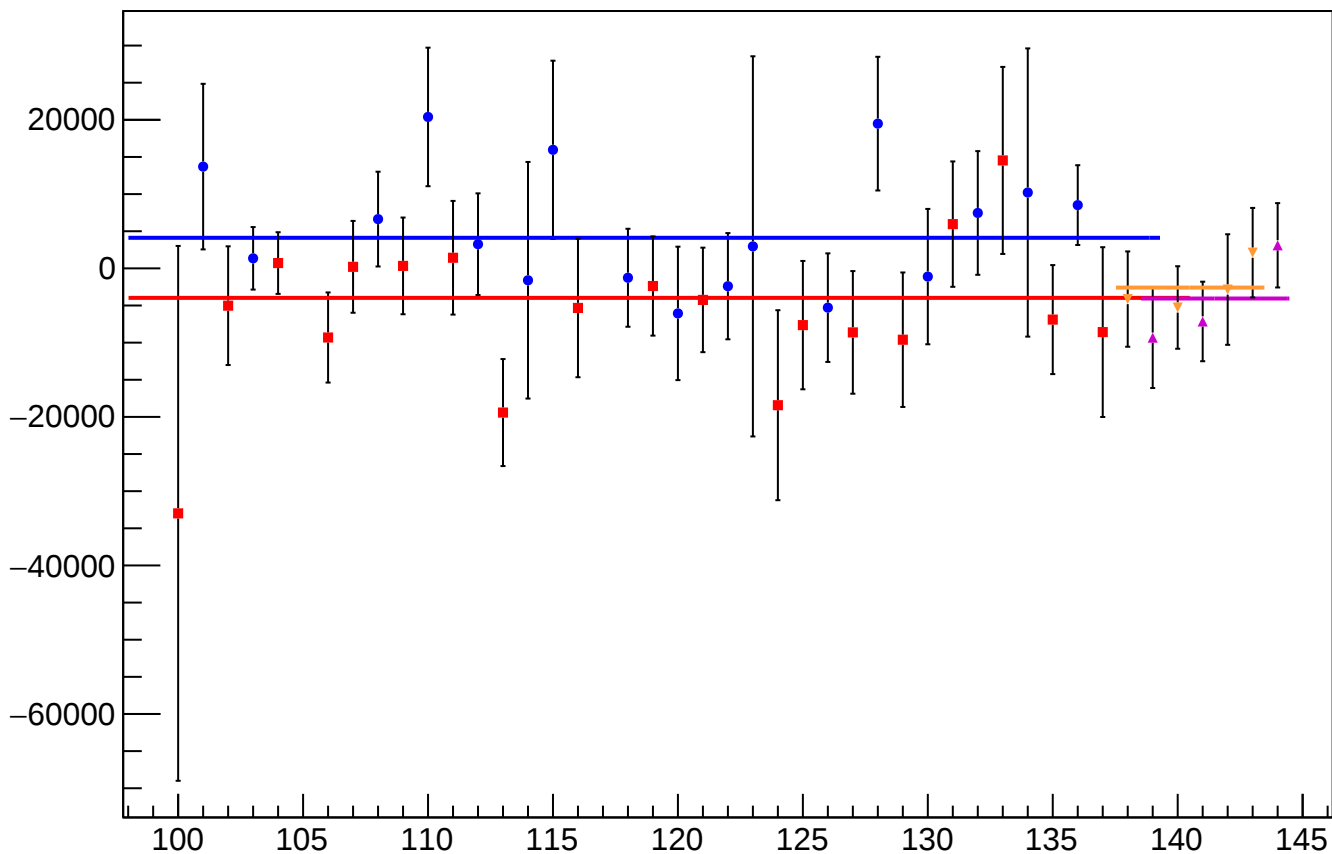
Right Out: 3711.958+/-1.046 χ^2/NDF : 1276723.1/18

All: 4073.151+/-0.692 χ^2/NDF : 2441418.8/42

- sign 3915.082+/-0.945 χ^2/NDF : 1509217.5/21

Left In: 4811.151+/-2.198 χ^2/NDF : 28532.7/2

asym_atr_avg_mean vs Slug



Right In: 4116.431 $\pm$ 1876.246 χ^2 /NDF: 14.1/16

Left Out: -2587.794 $\pm$ 3127.649 χ^2 /NDF:0.9/3

Right Out: -3971.073 $\pm$ 1728.385 χ^2 /NDF: 14.8/18

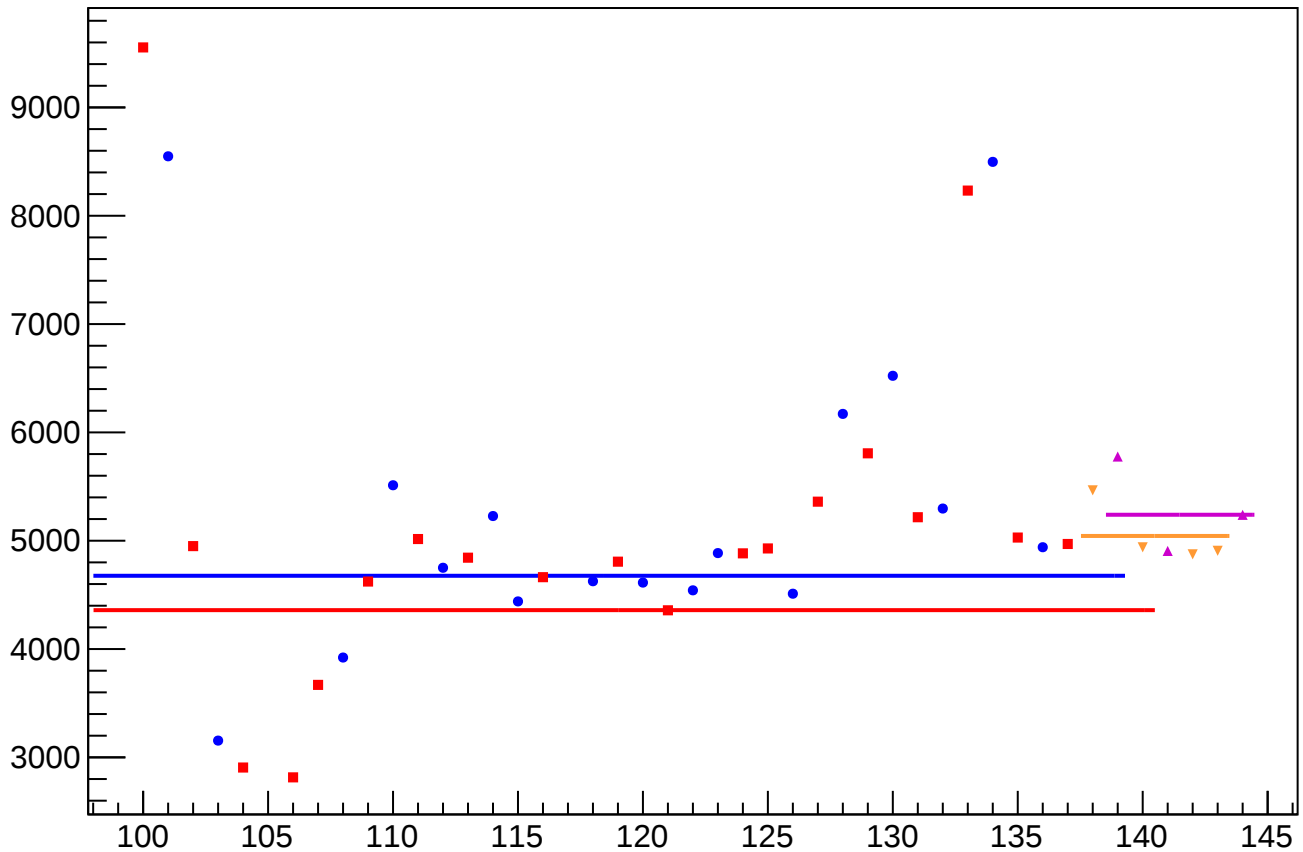
Left In: -4059.158 $\pm$ 3378.629 χ^2 /NDF:2.5/2

+ sign 2342.261 $\pm$ 1608.946 χ^2 /NDF: 18.4/20

All: -964.708 $\pm$ 1112.041 χ^2 /NDF: 43.8/42

- sign -3989.343 $\pm$ 1538.731 χ^2 /NDF: 17.3/21

asym_atr_avg_rms vs Slug



Right In: 4676.405+/-1.327 χ^2/NDF : 783034.3/16

Left Out: 5043.984+/-2.212 χ^2/NDF : 11392.5/3

Right Out: 4359.077+/-1.215 χ^2/NDF : 833565.3/18

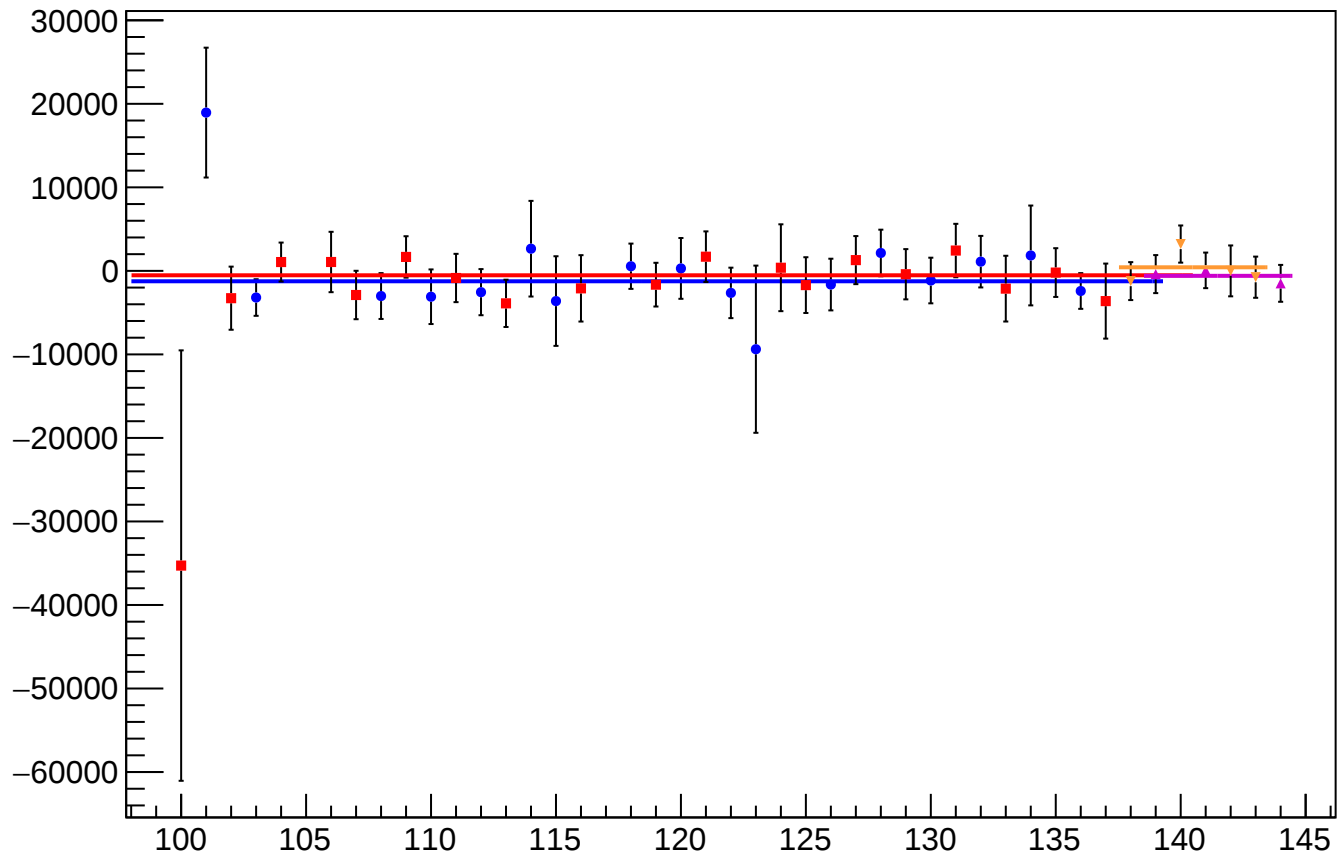
Left In: 5239.703+/-2.389 χ^2/NDF : 20327.4/2

+ sign 4773.679+/-1.138 χ^2/NDF : 814741.0/20

All: 4651.121+/-0.784 χ^2/NDF : 1798703.5/42

- sign 4540.057+/-1.083 χ^2/NDF : 961841.7/21

reg_asym_atr_dd_mean vs Slug



Right In: -1245.595 ± 767.454 χ^2/NDF : 13.3/16

Left Out: 428.013 ± 1223.135 χ^2/NDF : 2.3/3

Right Out: -528.673 ± 732.449 χ^2/NDF : 8.8/18

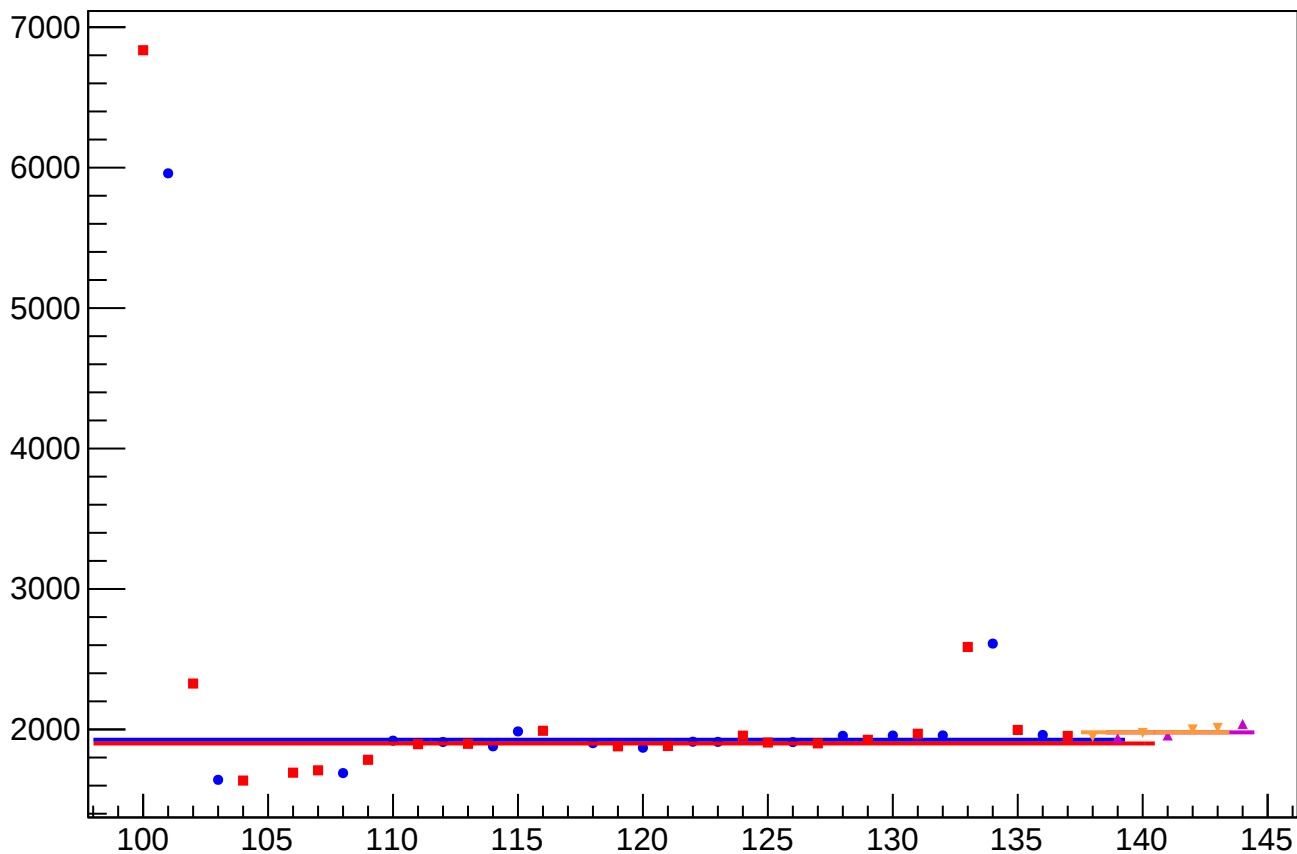
Left In: -594.347 ± 1271.311 χ^2/NDF : 0.3/2

+ sign -772.833 ± 650.083 χ^2/NDF : 17.0/20

All: -656.201 ± 454.125 χ^2/NDF : 26.1/42

- sign -545.040 ± 634.653 χ^2/NDF : 9.1/21

reg_asym_atr_dd_rms vs Slug



Right In: 1926.691 $\pm$ 0.543 χ^2 /NDF: 615898.2/16

Left Out: 1979.718 $\pm$ 0.865 χ^2 /NDF: 826.2/3

Right Out: 1900.134 $\pm$ 0.517 χ^2 /NDF: 210983.9/18

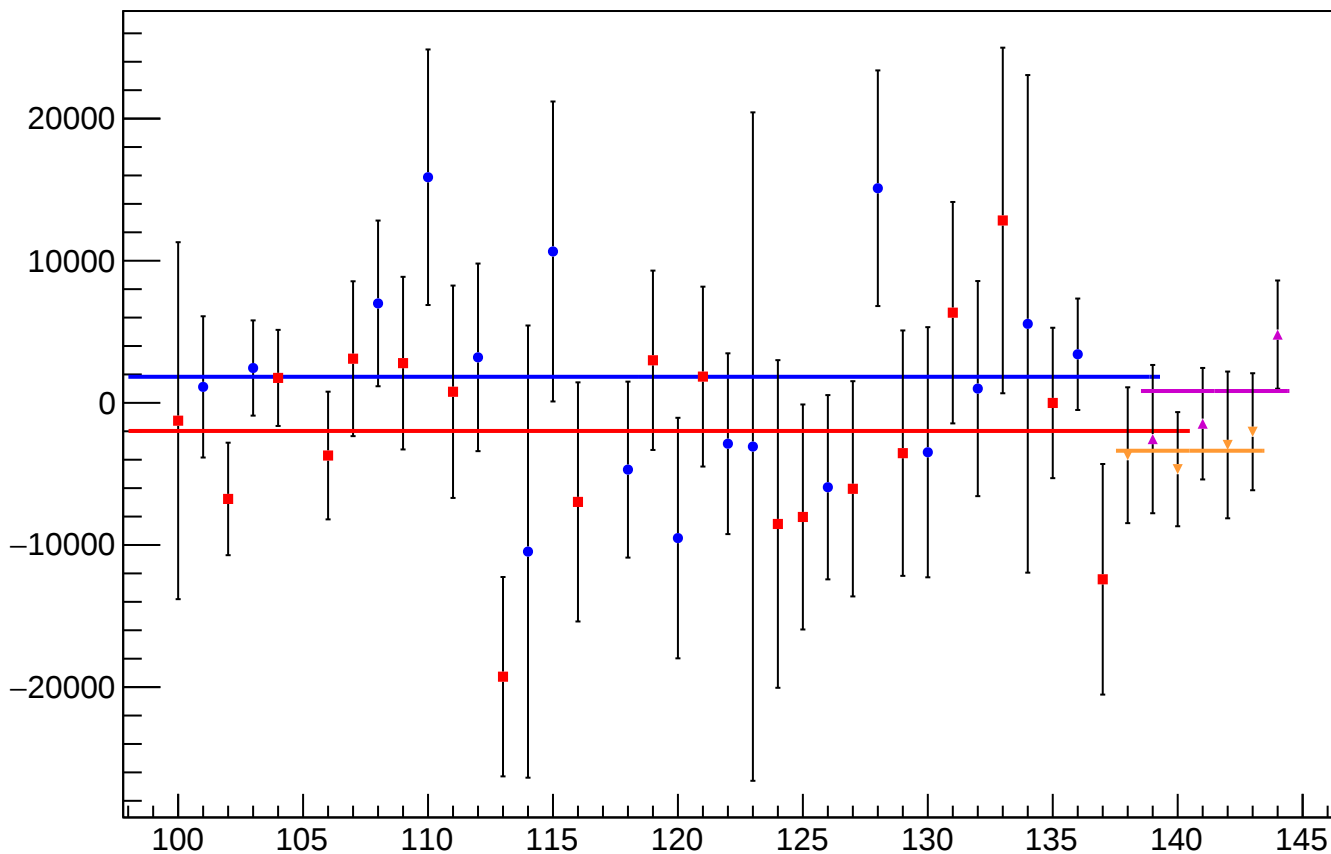
Left In: 1979.038 $\pm$ 0.899 χ^2 /NDF: 2316.7/2

+ sign 1941.670 $\pm$ 0.460 χ^2 /NDF: 619421.5/20

All: 1930.418 $\pm$ 0.321 χ^2 /NDF: 839681.2/42

- sign 1919.731 $\pm$ 0.448 χ^2 /NDF: 219091.4/21

asym_atr_dd_correction_mean vs Slug



Right In: 1834.690 $\pm$ 1559.964 χ^2 /NDF: 12.7/16

Left Out: -3368.794 $\pm$ 2223.149 χ^2 /NDF: 0.2/3

Right Out: -1977.025 $\pm$ 1415.600 χ^2 /NDF: 17.5/18

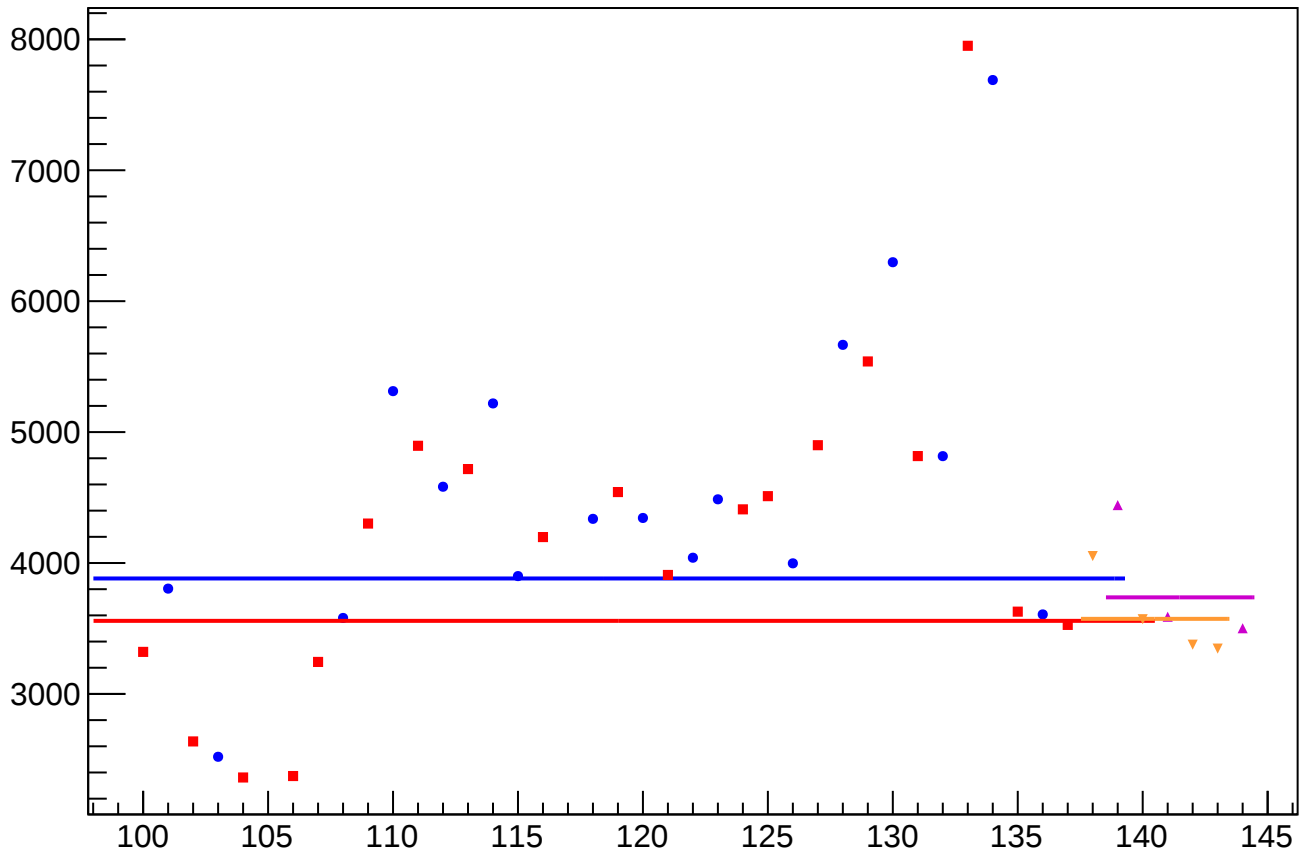
Left In: 834.436 $\pm$ 2420.088 χ^2 /NDF: 1.9/2

+ sign 117.929 $\pm$ 1276.957 χ^2 /NDF: 16.6/20

All: -601.533 $\pm$ 882.841 χ^2 /NDF: 37.6/42

- sign -1260.305 $\pm$ 1221.912 χ^2 /NDF: 20.4/21

asym_atr_dd_correction_rms vs Slug



Right In: 3881.913 $\pm$ 1.103 χ^2/NDF : 821979.1/16

Left Out: 3573.531 $\pm$ 1.572 χ^2/NDF : 29151.3/3

+ sign 3780.170 $\pm$ 0.903 χ^2/NDF : 876916.9/20

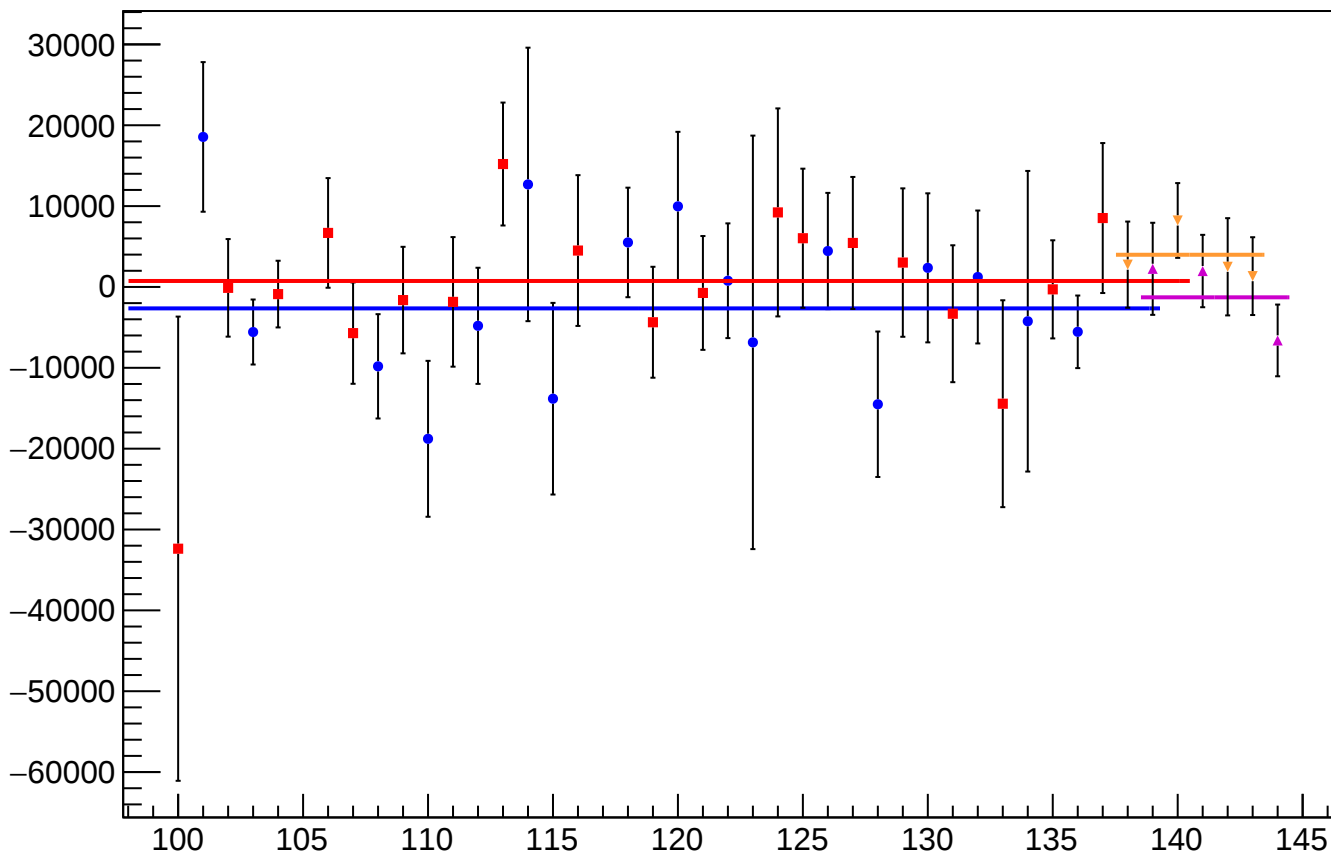
Right Out: 3558.184 $\pm$ 1.001 χ^2/NDF : 1242011.6/18

All: 3688.172 $\pm$ 0.624 χ^2/NDF : 2194031.0/42

- sign 3603.935 $\pm$ 0.864 χ^2/NDF : 1297228.0/21

Left In: 3737.651 $\pm$ 1.711 χ^2/NDF : 47021.6/2

asym_atr_dd_mean vs Slug



Right In: -2650.826 ± 1813.388 χ^2/NDF : 18.9/16

Left Out: 3982.165 ± 2557.905 χ^2/NDF : 1.3/3

Right Out: 739.638 ± 1693.226 χ^2/NDF : 11.5/18

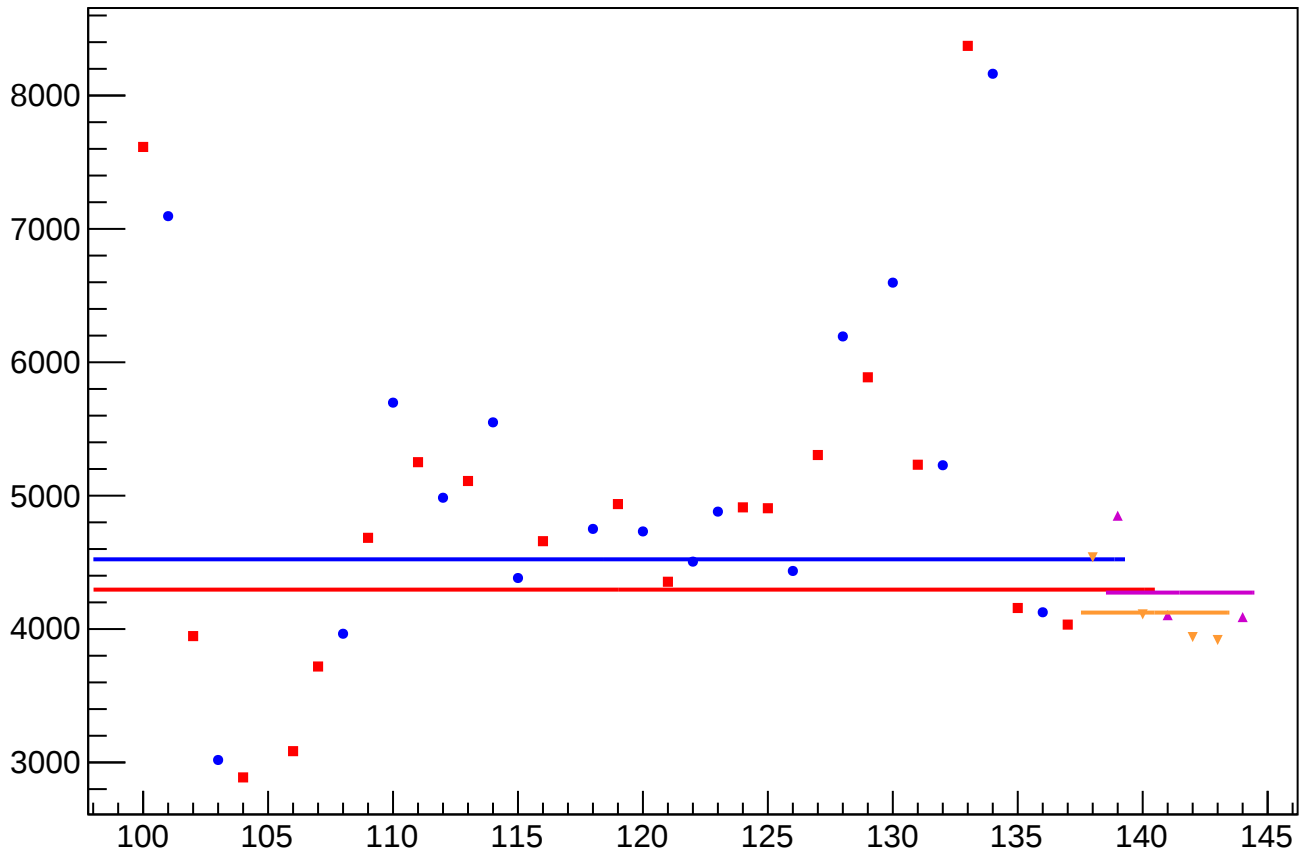
Left In: -1282.816 ± 2756.885 χ^2/NDF : 2.4/2

+ sign -432.211 ± 1479.349 χ^2/NDF : 24.6/20

All: -115.538 ± 1032.902 χ^2/NDF : 38.9/42

- sign 185.691 ± 1442.825 χ^2/NDF : 14.3/21

asym_atr_dd_rms vs Slug



Right In: 4522.775+/-1.282 χ^2/NDF : 776612.8/16

Left Out: 4123.484+/-1.809 χ^2/NDF : 17620.7/3

Right Out: 4295.614+/-1.191 χ^2/NDF : 773207.8/18

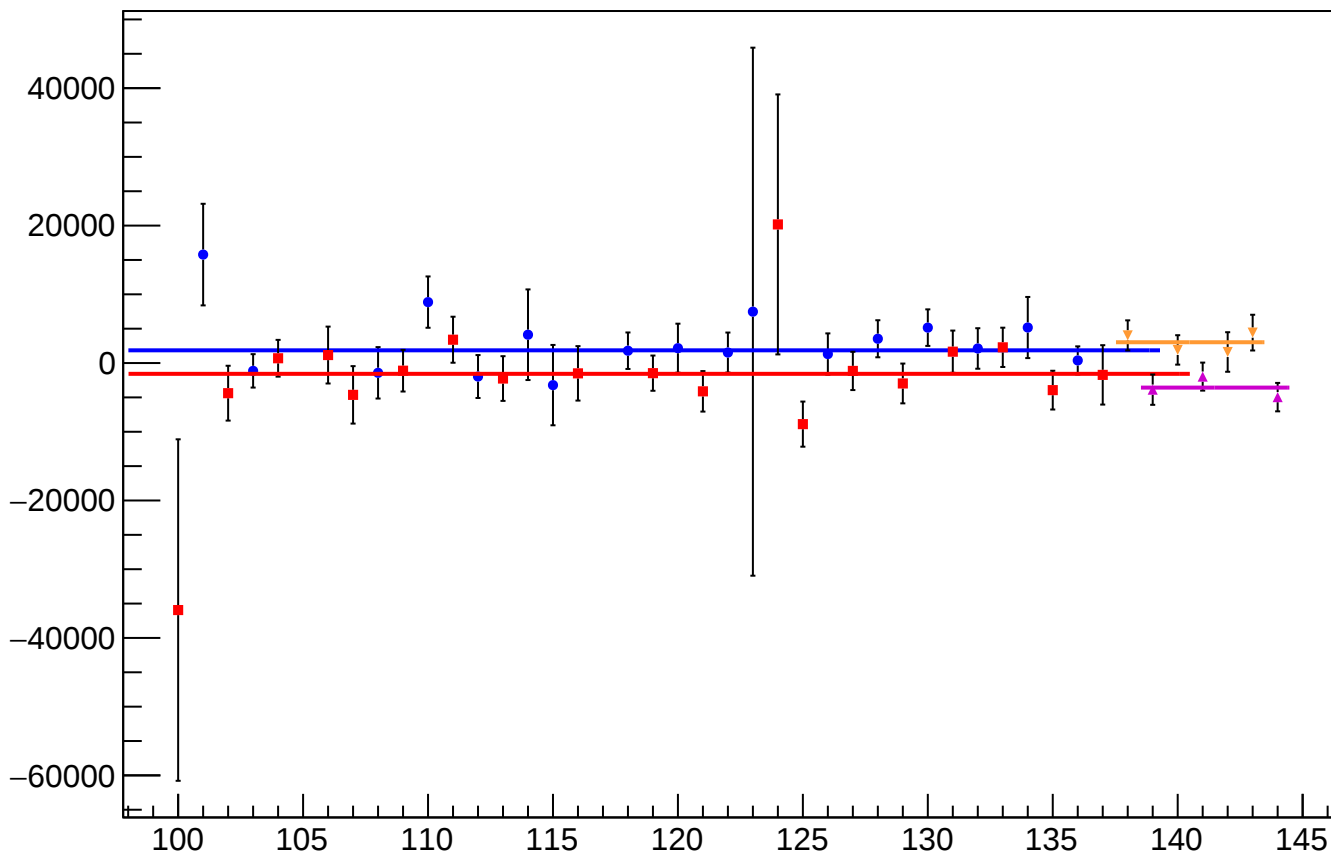
Left In: 4273.329+/-1.949 χ^2/NDF : 26781.9/2

+ sign 4389.219+/-1.046 χ^2/NDF : 826667.4/20

All: 4337.942+/-0.729 χ^2/NDF : 1631422.5/42

- sign 4289.559+/-1.016 χ^2/NDF : 800084.9/21

reg_asym_at1_avg_mean vs Slug



Right In: 1850.872 ± 785.814 $\chi^2/\text{NDF}: 14.8/16$

Left Out: 3026.585 ± 1199.122 $\chi^2/\text{NDF}: 1.0/3$

Right Out: -1571.043 ± 768.050 $\chi^2/\text{NDF}: 17.3/18$

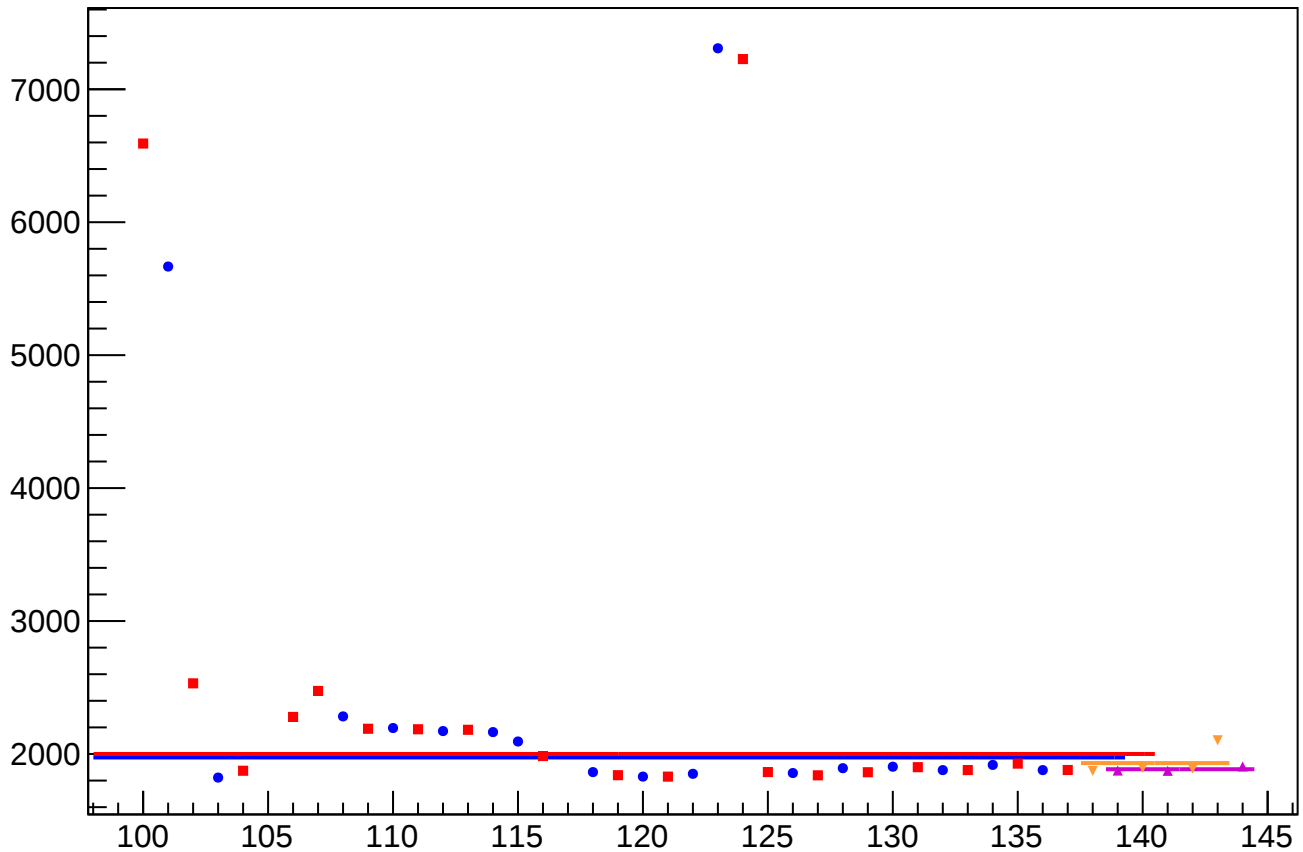
Left In: -3574.156 ± 1212.940 $\chi^2/\text{NDF}: 1.1/2$

+ sign 2204.092 ± 657.257 $\chi^2/\text{NDF}: 16.5/20$

All: 2.050 ± 461.767 $\chi^2/\text{NDF}: 59.0/42$

- sign -2144.340 ± 648.898 $\chi^2/\text{NDF}: 20.3/21$

reg_asym_at1_avg_rms vs Slug



Right In: 1973.812+/-0.556 χ^2/NDF : 599877.2/16

Left Out: 1931.611+/-0.848 χ^2/NDF : 11136.9/3

Right Out: 2000.069+/-0.543 χ^2/NDF : 353620.6/18

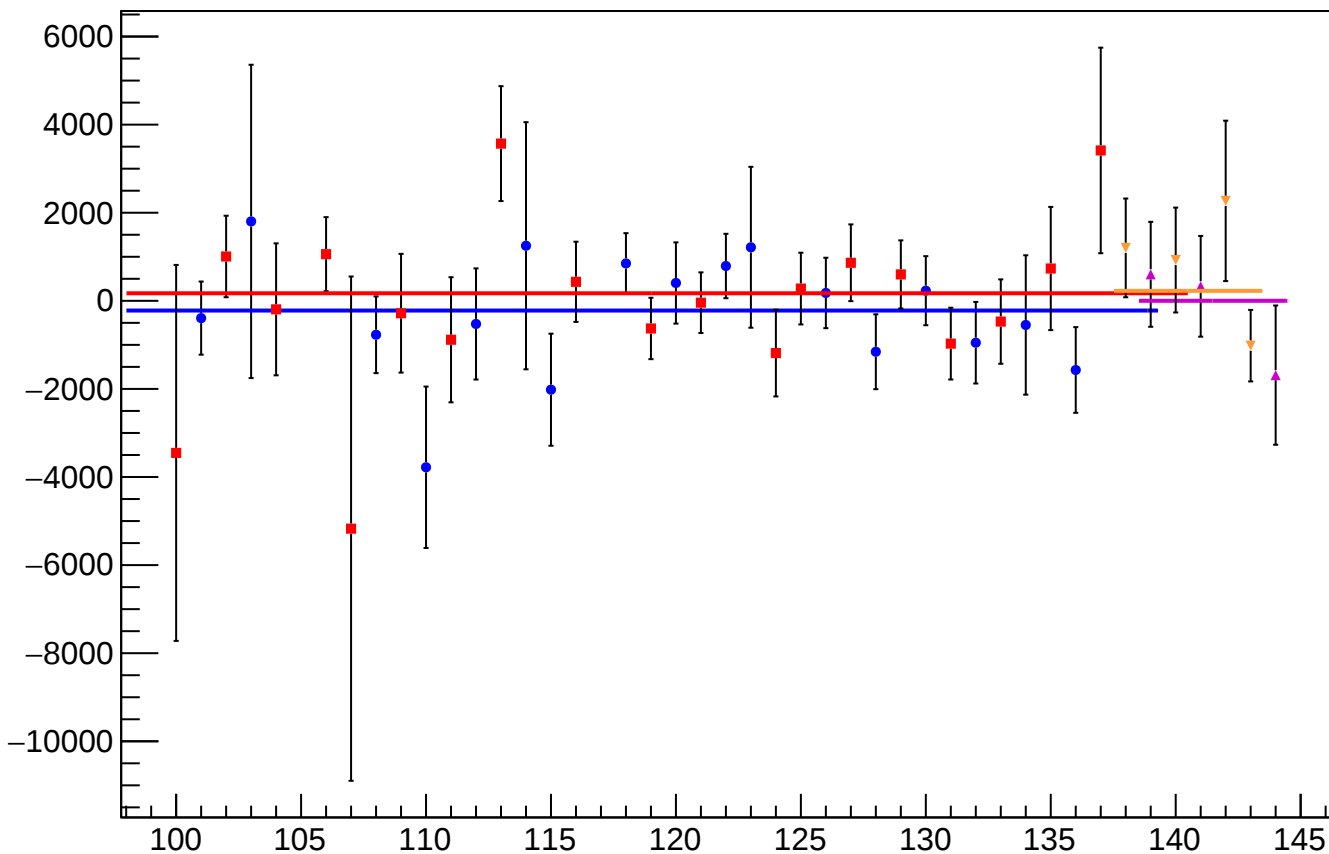
Left In: 1885.288+/-0.858 χ^2/NDF : 313.3/2

+ sign 1961.134+/-0.465 χ^2/NDF : 612747.0/20

All: 1964.215+/-0.327 χ^2/NDF : 979551.8/42

- sign 1967.219+/-0.459 χ^2/NDF : 366718.0/21

asym_at1_avg_correction_mean vs Slug



Right In: -220.797 ± 241.210 χ^2/NDF : 16.7/16

Left Out: 225.754 ± 548.841 χ^2/NDF : 4.7/3

Right Out: 171.668 ± 229.758 χ^2/NDF : 19.9/18

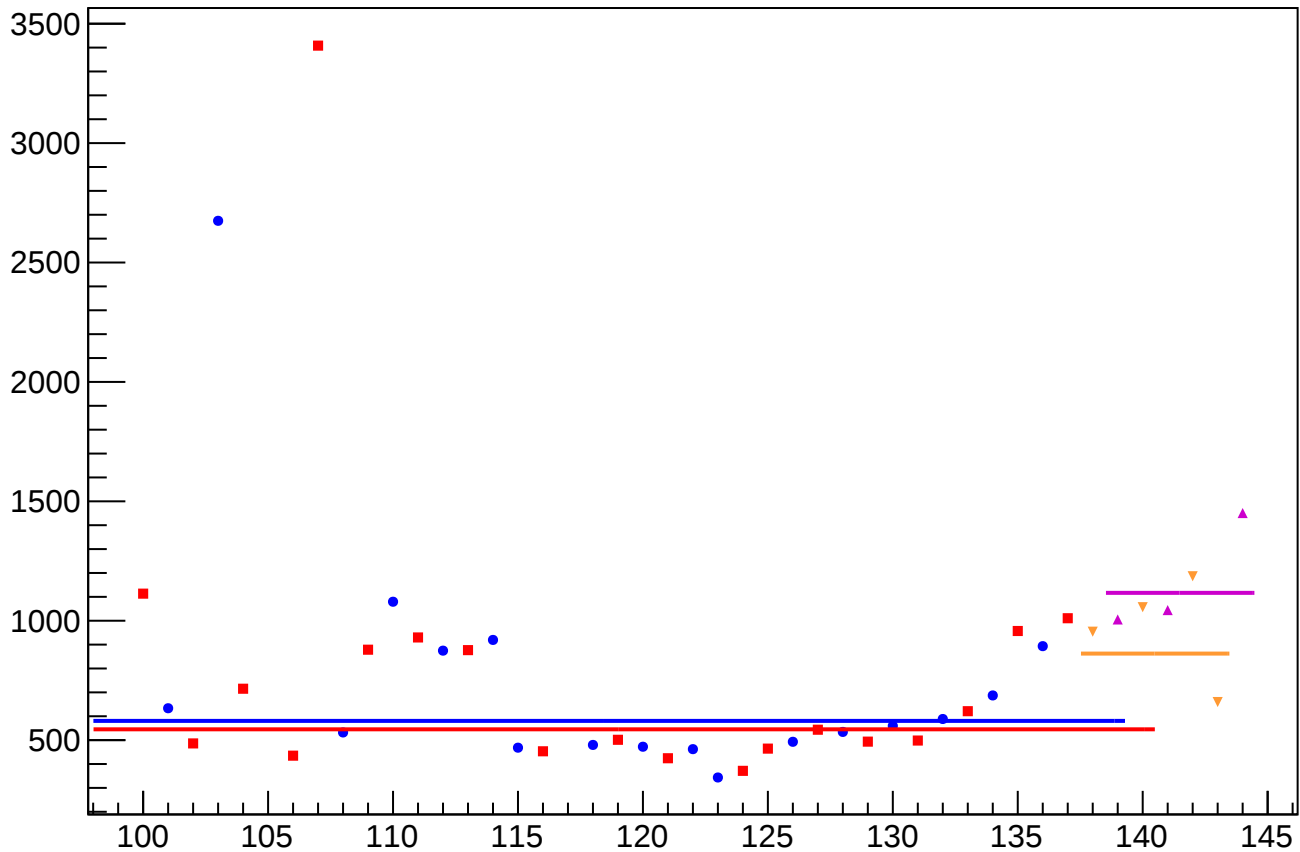
Left In: 0.605 ± 731.322 χ^2/NDF : 1.5/2

+ sign -148.508 ± 220.824 χ^2/NDF : 21.9/20

All: 5.025 ± 155.567 χ^2/NDF : 44.3/42

- sign 156.301 ± 219.195 χ^2/NDF : 21.4/21

asym_at1_avg_correction_rms vs Slug



Right In: 580.578+/-0.171 χ^2/NDF : 1413766.8/16

Left Out: 862.405+/-0.388 χ^2/NDF : 254717.1/3

Right Out: 545.286+/-0.162 χ^2/NDF : 1455572.2/18

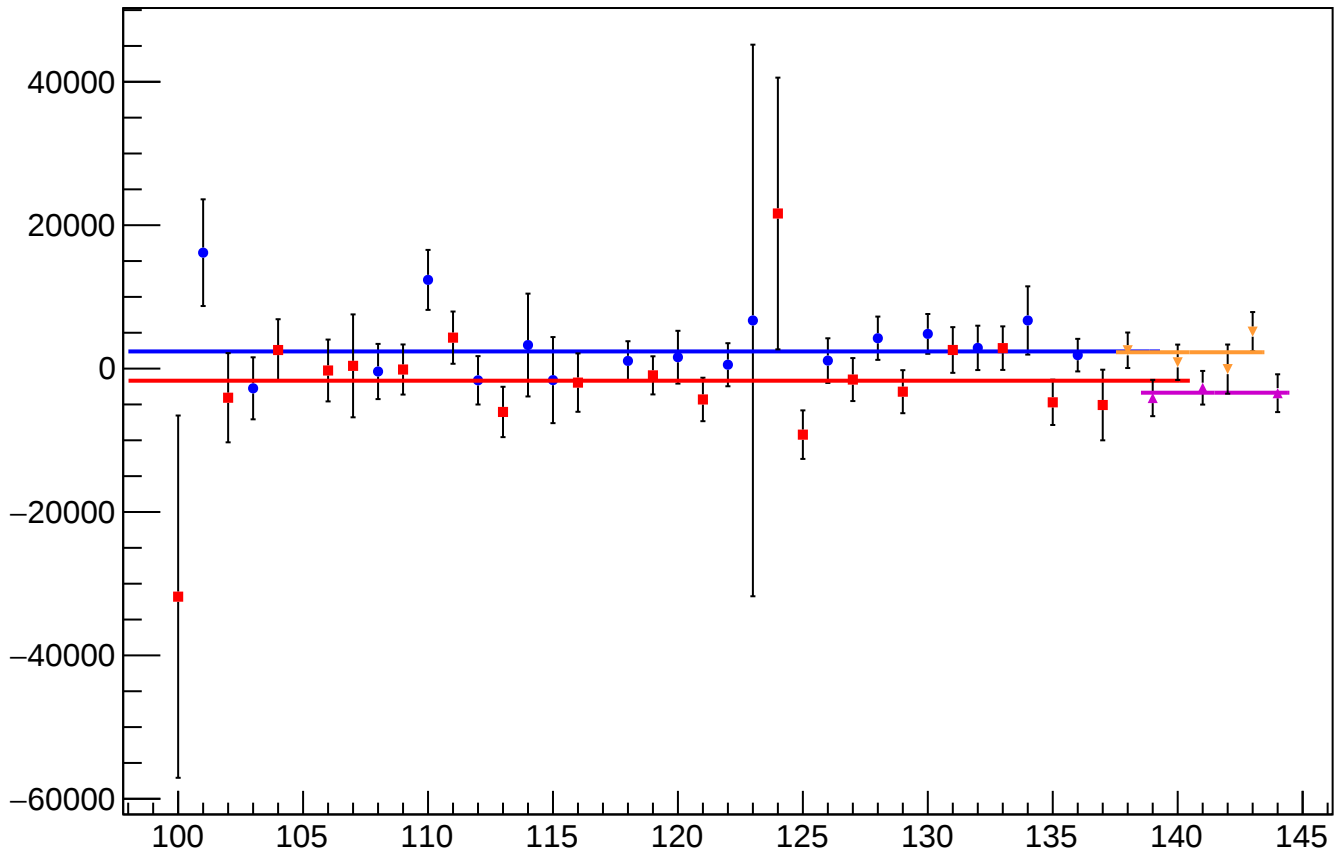
Left In: 1116.720+/-0.517 χ^2/NDF : 114812.1/2

+ sign 626.201+/-0.156 χ^2/NDF : 2110468.0/20

All: 611.301+/-0.110 χ^2/NDF : 4810312.8/42

- sign 596.621+/-0.155 χ^2/NDF : 2681768.0/21

asym_at1_avg_mean vs Slug



Right In: 2394.430+/-865.666 χ^2/NDF : 15.8/16

Left Out: 2279.344+/-1353.190 χ^2/NDF : 1.9/3

Right Out: -1689.195+/-856.105 χ^2/NDF : 20.2/18

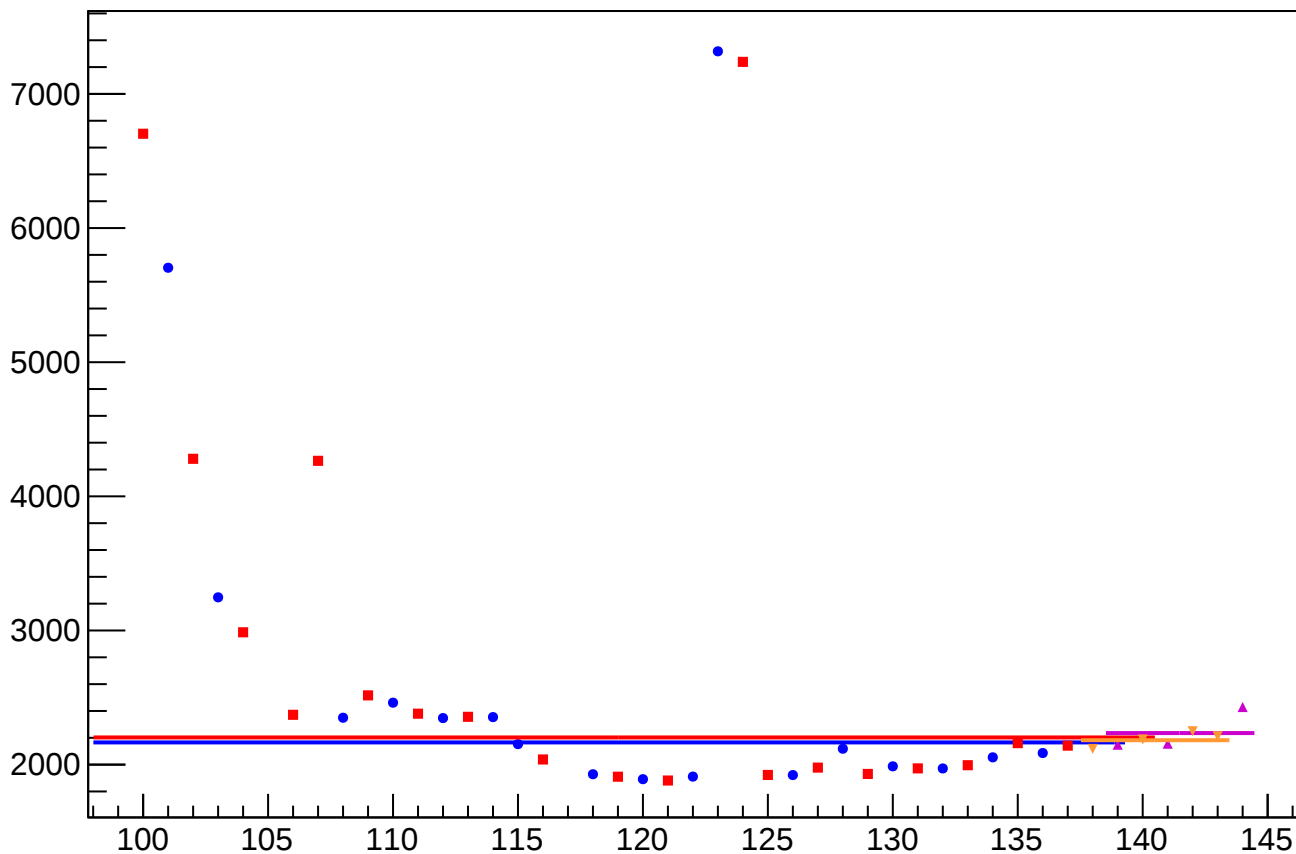
Left In: -3363.351+/-1441.025 χ^2/NDF : 0.2/2

+ sign 2361.009+/-729.218 χ^2/NDF : 17.8/20

All: 138.349+/-518.021 χ^2/NDF : 57.9/42

- sign -2125.938+/-736.015 χ^2/NDF : 21.4/21

asym_at1_avg_rms vs Slug



Right In: 2165.566 $\pm$ 0.612 χ^2 /NDF: 707806.4/16

Left Out: 2181.985 $\pm$ 0.957 χ^2 /NDF:2364.6/3

Right Out: 2202.669 $\pm$ 0.605 χ^2 /NDF: 799074.2/18

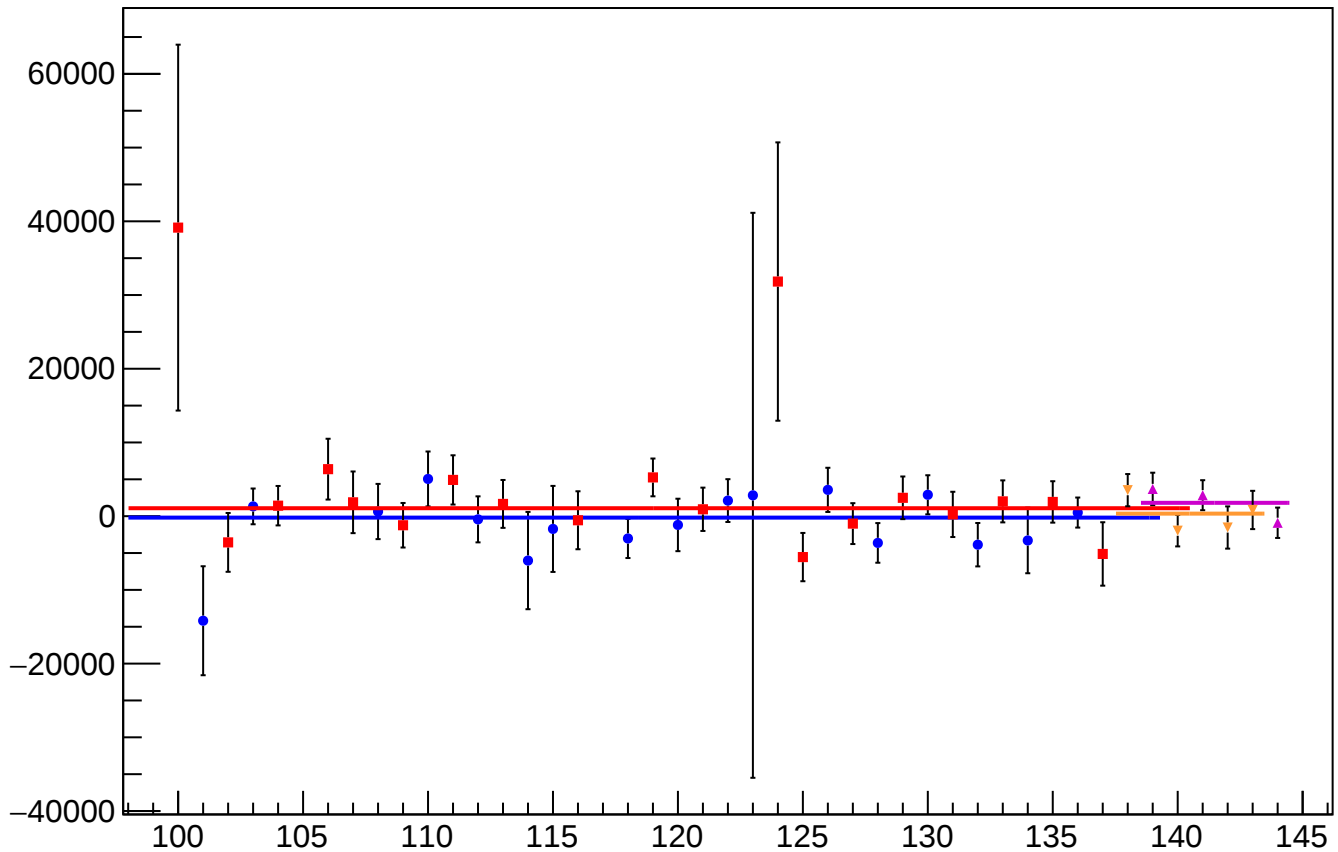
Left In: 2235.323 $\pm$ 1.019 χ^2 /NDF:15465.9/2

+ sign 2170.334 $\pm$ 0.516 χ^2 /NDF: 710380.0/20

All: 2190.571 $\pm$ 0.366 χ^2 /NDF: 1528788.7/42

- sign 2211.188 $\pm$ 0.520 χ^2 /NDF: 815299.1/21

reg_asym_at1_dd_mean vs Slug



Right In: -195.092 ± 784.368 χ^2/NDF : 15.4/16

Left Out: 345.180 ± 1195.827 χ^2/NDF : 3.8/3

Right Out: 1078.628 ± 766.426 χ^2/NDF : 20.1/18

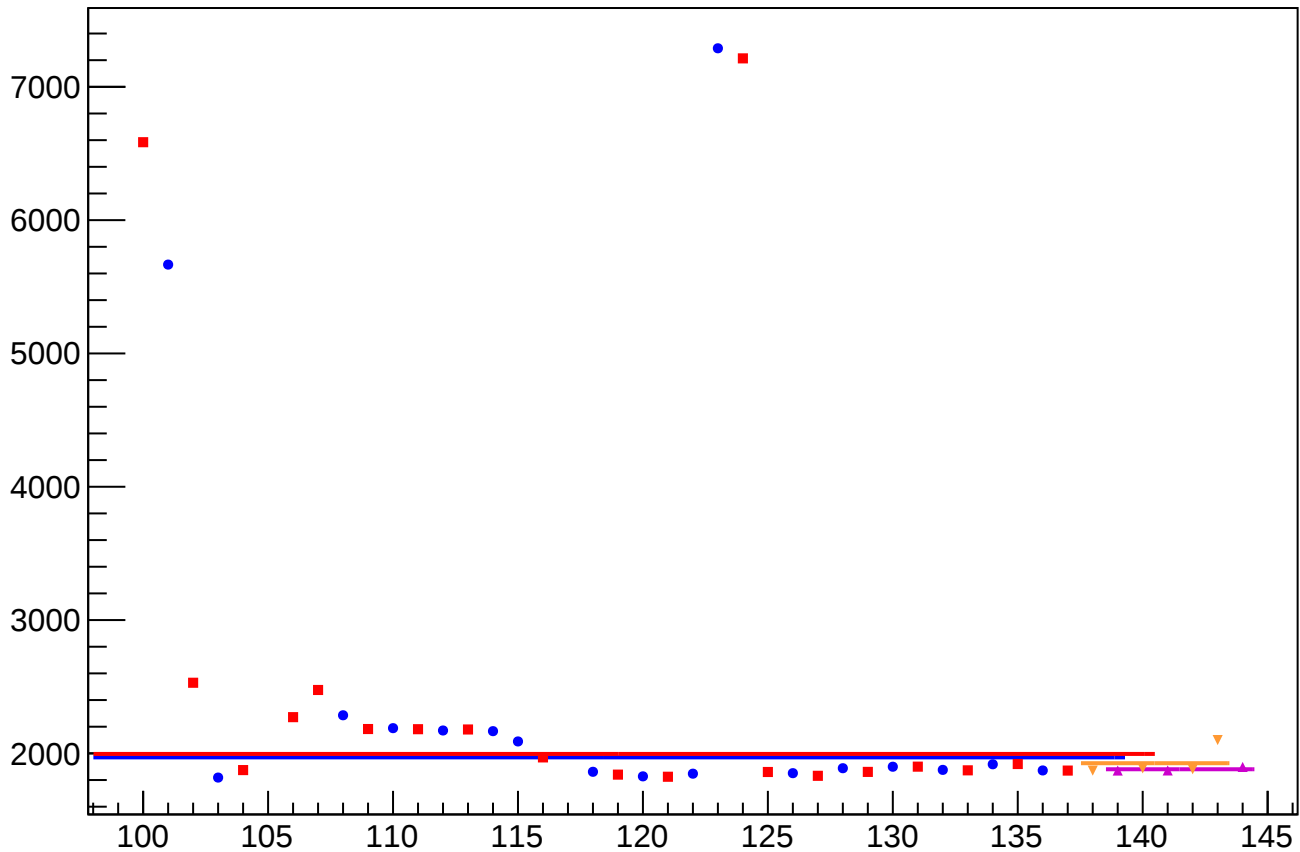
Left In: 1810.188 ± 1210.006 χ^2/NDF : 2.7/2

+ sign -32.571 ± 655.868 χ^2/NDF : 19.3/20

All: 636.271 ± 460.771 χ^2/NDF : 44.5/42

- sign 1288.094 ± 647.470 χ^2/NDF : 23.1/21

reg_asym_at1_dd_rms vs Slug



Right In: 1969.951 $\pm$ 0.555 χ^2 /NDF: 602002.6/16

Left Out: 1926.206 $\pm$ 0.846 χ^2 /NDF: 11407.9/3

+ sign 1956.792 $\pm$ 0.464 χ^2 /NDF: 615281.8/20

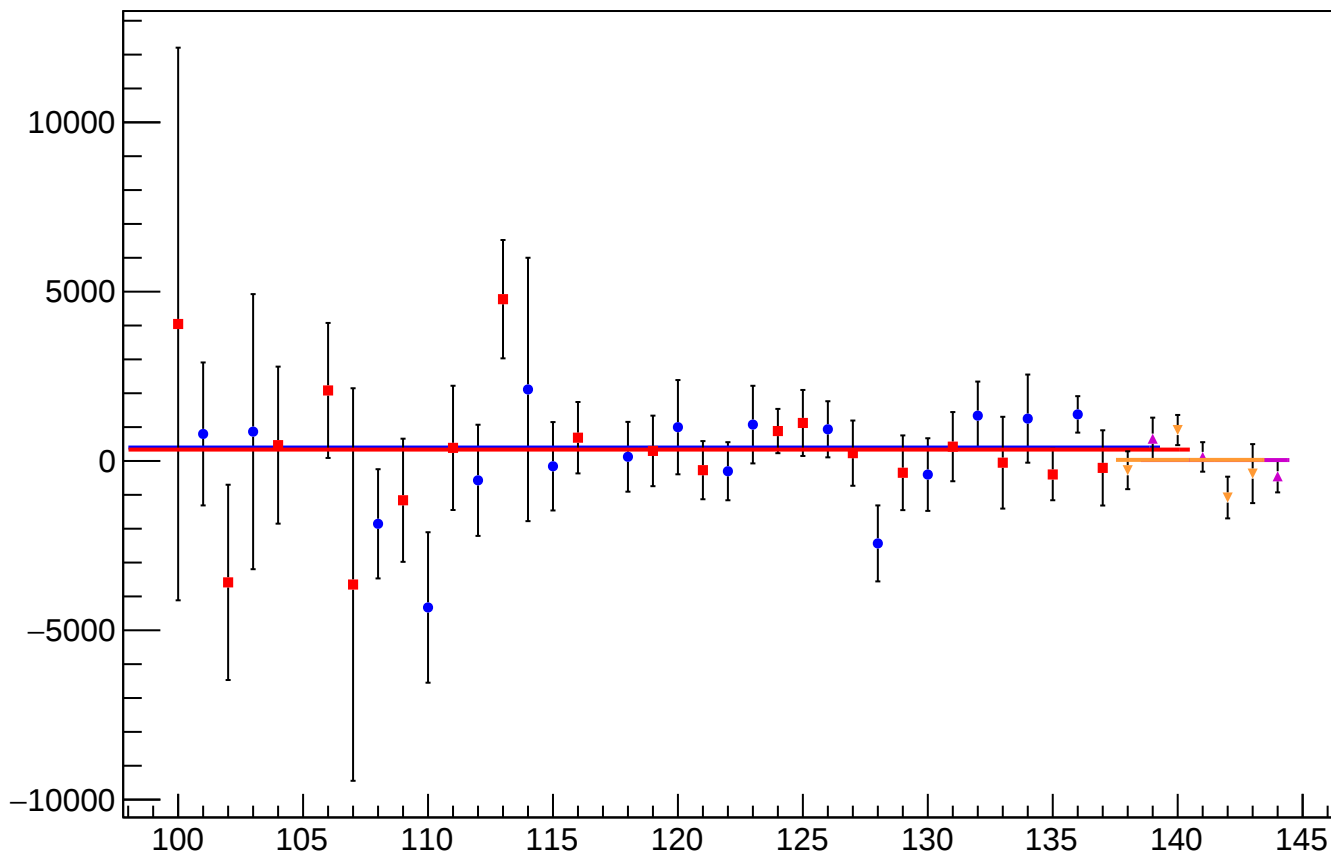
Right Out: 1995.751 $\pm$ 0.542 χ^2 /NDF: 354300.7/18

All: 1959.851 $\pm$ 0.326 χ^2 /NDF: 982773.6/42

- sign 1962.832 $\pm$ 0.458 χ^2 /NDF: 367405.9/21

Left In: 1880.782 $\pm$ 0.856 χ^2 /NDF: 219.3/2

asym_at1_dd_correction_mean vs Slug



Right In: 396.702 $\pm$ 270.925 χ^2 /NDF: 20.5/16

Left Out: 32.221 $\pm$ 286.327 χ^2 /NDF: 7.7/3

Right Out: 336.277 $\pm$ 266.891 χ^2 /NDF: 14.1/18

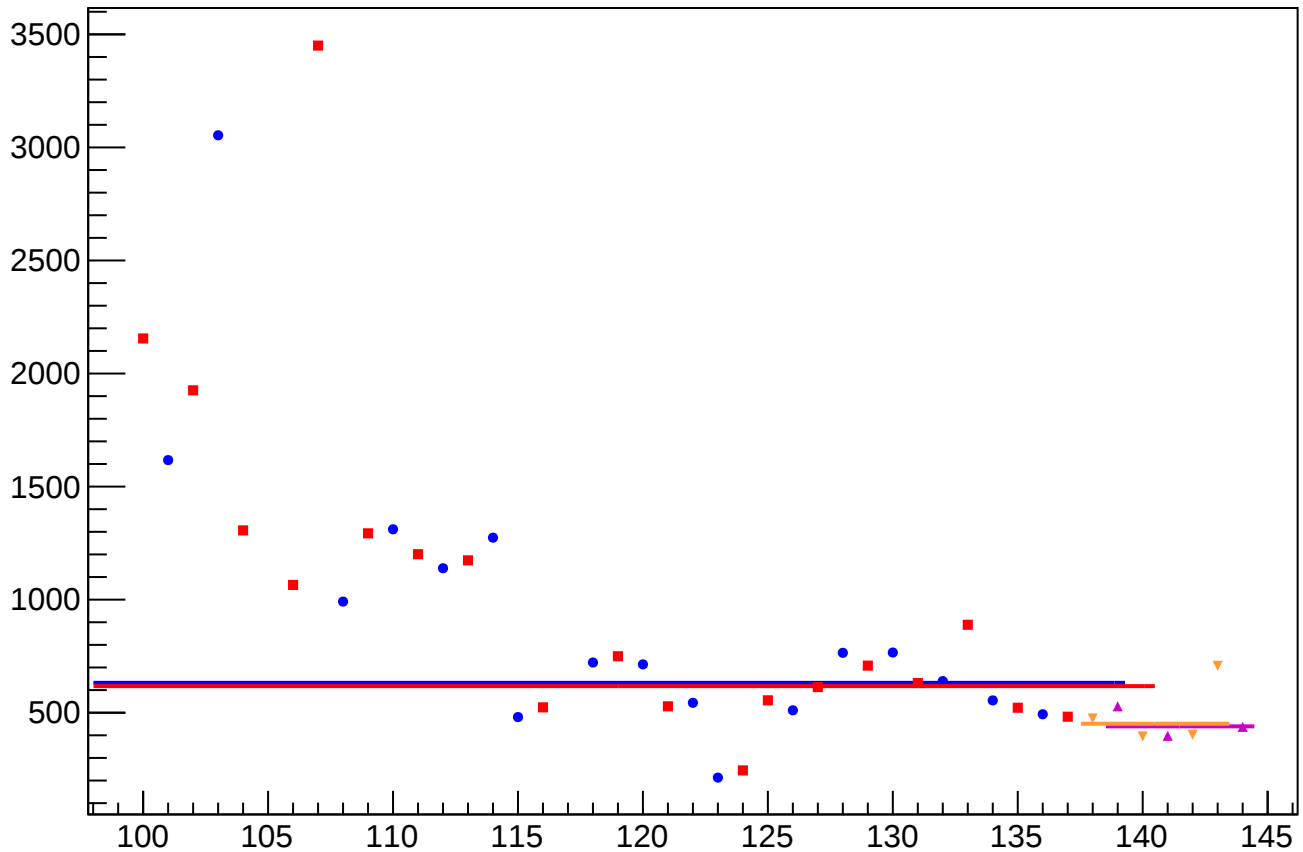
Left In: 27.124 $\pm$ 285.255 χ^2 /NDF: 2.1/2

+ sign 224.528 $\pm$ 196.793 χ^2 /NDF: 29.0/20

All: 208.092 $\pm$ 138.476 χ^2 /NDF: 45.8/42

- sign 191.972 $\pm$ 194.889 χ^2 /NDF: 16.8/21

asym_at1_dd_correction_rms vs Slug



Right In: 632.093 ± 0.192 χ^2/NDF : 2258413.9/16

Left Out: 451.263 ± 0.202 χ^2/NDF : 220785.9/3

Right Out: 617.519 ± 0.189 χ^2/NDF : 2802398.1/18

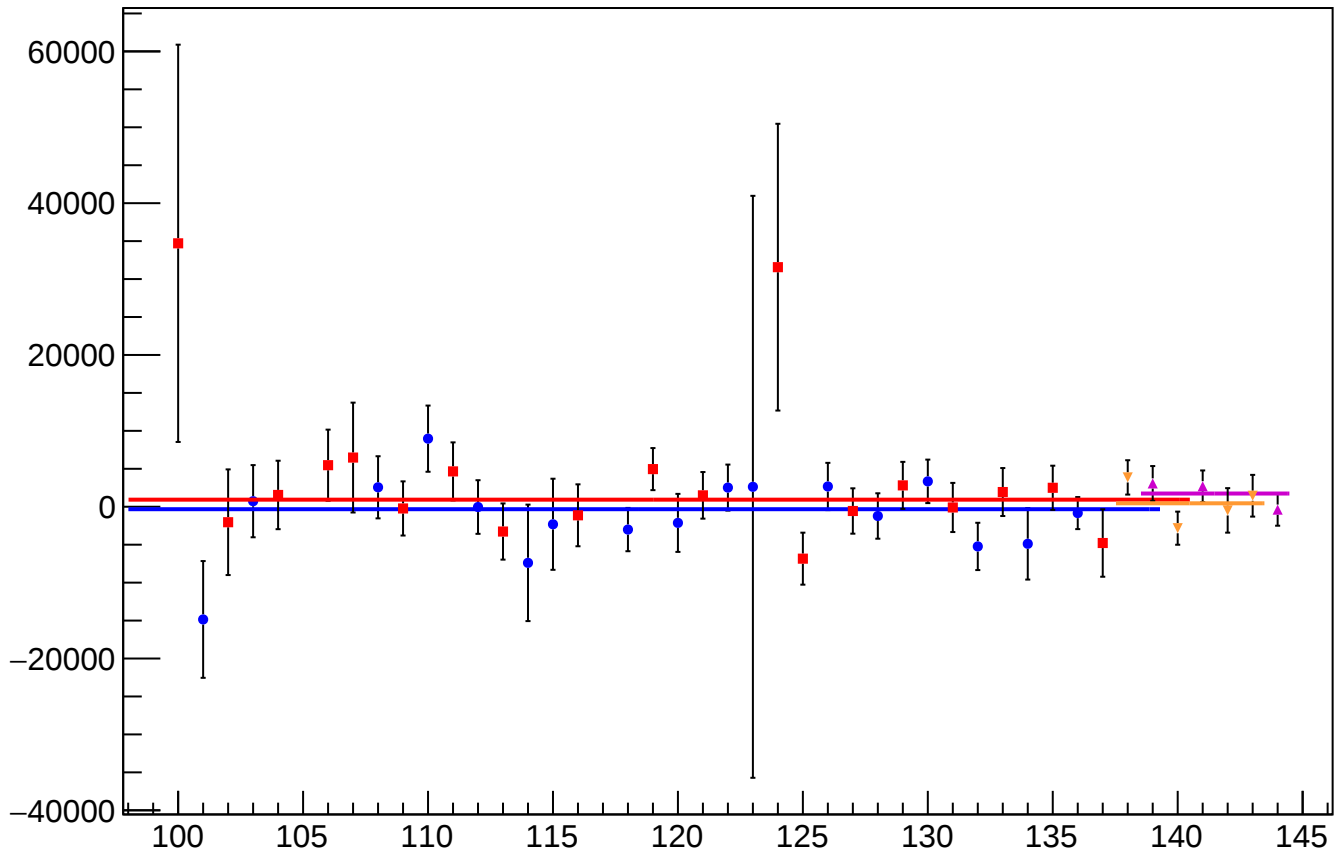
Left In: 439.617 ± 0.202 χ^2/NDF : 59242.7/2

+ sign 546.672 ± 0.139 χ^2/NDF : 2900085.9/20

All: 540.516 ± 0.098 χ^2/NDF : 6180399.7/42

- sign 534.478 ± 0.138 χ^2/NDF : 3276437.1/21

asym_at1_dd_mean vs Slug



Right In: -324.791 ± 874.352 χ^2/NDF : 17.7/16

Left Out: 453.243 ± 1236.718 χ^2/NDF : 4.8/3

Right Out: 932.195 ± 870.269 χ^2/NDF : 18.7/18

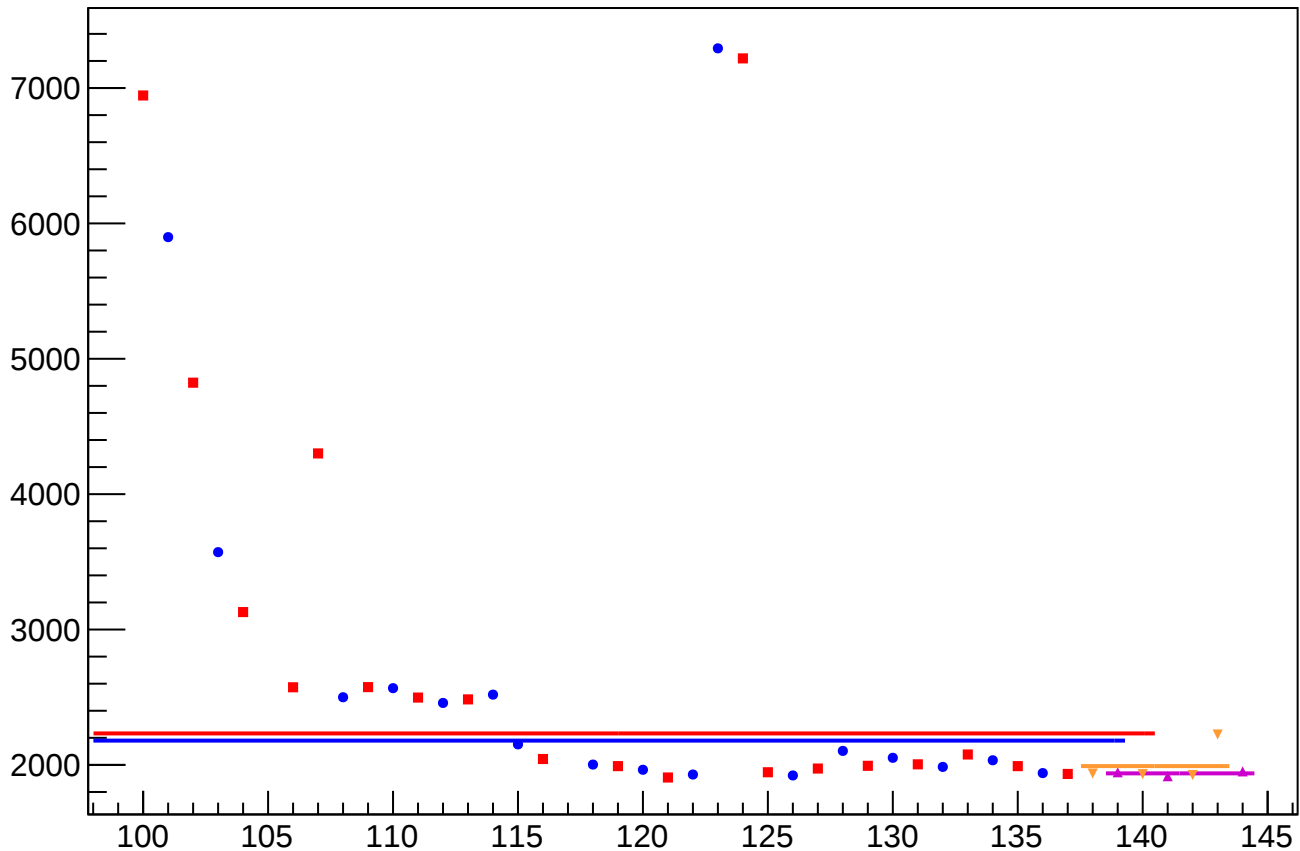
Left In: 1741.079 ± 1246.415 χ^2/NDF : 1.6/2

+ sign -65.502 ± 713.944 χ^2/NDF : 22.8/20

All: 566.245 ± 504.695 χ^2/NDF : 44.9/42

- sign 1197.294 ± 713.549 χ^2/NDF : 20.5/21

asym_at1_dd_rms vs Slug



Right In: 2179.524+/-0.618 χ^2/NDF : 800832.9/16

Left Out: 1991.209+/-0.874 χ^2/NDF :18095.5/3

Right Out: 2232.584+/-0.615 χ^2/NDF : 892015.8/18

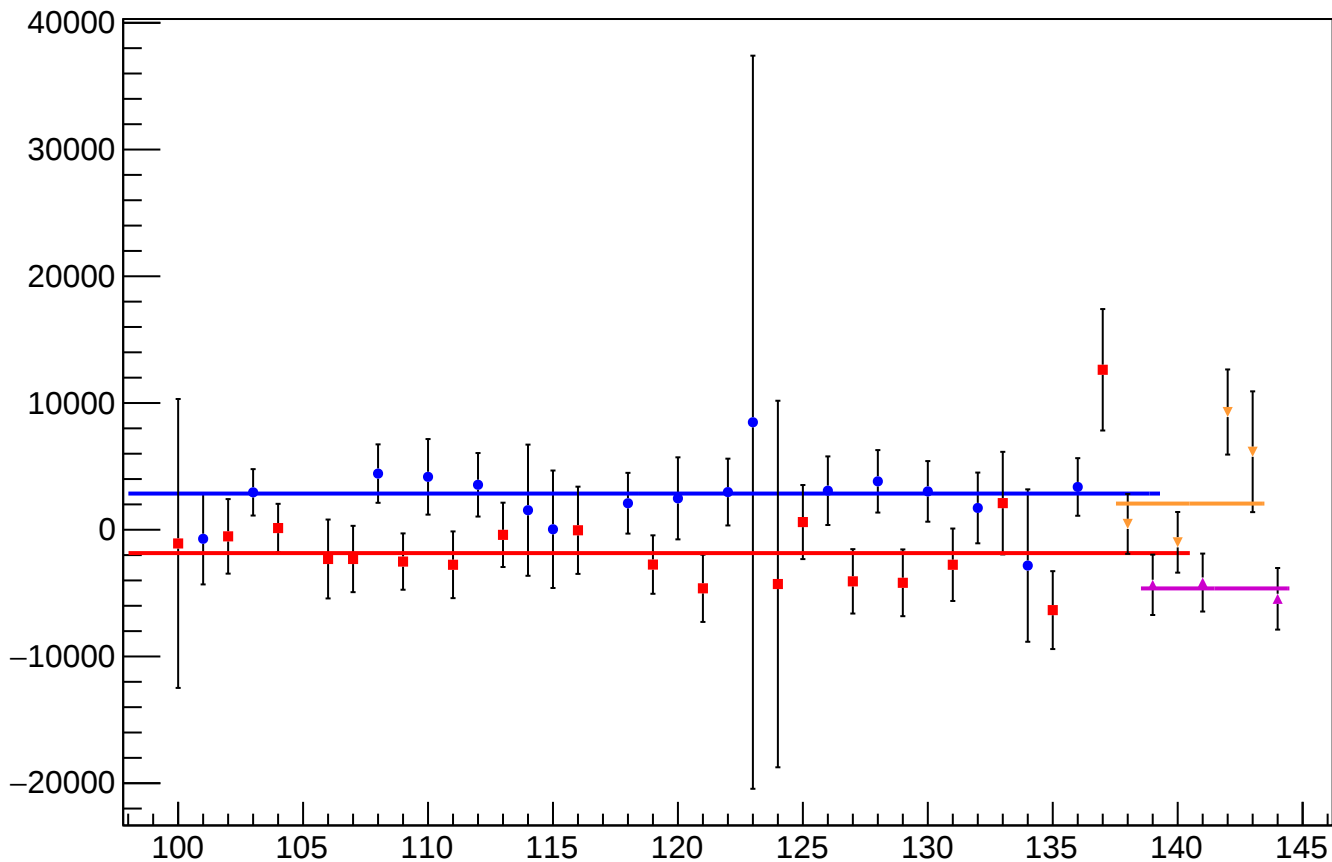
Left In: 1937.499+/-0.881 χ^2/NDF :326.2/2

+ sign 2116.766+/-0.505 χ^2/NDF : 849846.8/20

All: 2126.325+/-0.357 χ^2/NDF : 1818265.3/42

- sign 2135.875+/-0.505 χ^2/NDF : 967701.7/21

reg_asym_at2_avg_mean vs Slug



Right In: 2855.433 $\pm$ 680.542 χ^2 /NDF: 3.6/16

Left Out: 2064.657 $\pm$ 1433.986 χ^2 /NDF: 7.5/3

Right Out: -1842.875 $\pm$ 656.991 χ^2 /NDF: 18.0/18

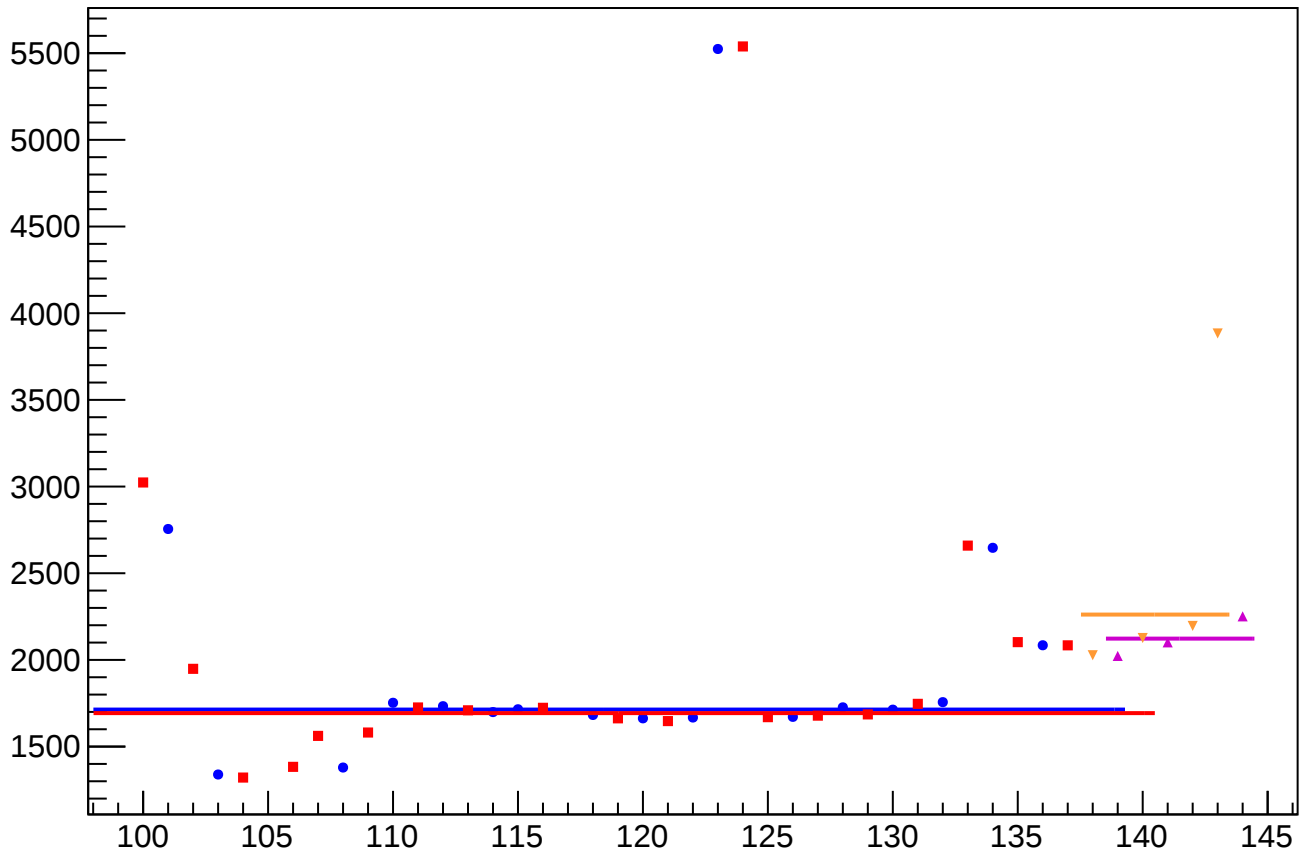
Left In: -4630.524 $\pm$ 1364.591 χ^2 /NDF: 0.2/2

+ sign 2710.069 $\pm$ 614.818 χ^2 /NDF: 11.3/20

All: 75.147 $\pm$ 426.429 χ^2 /NDF: 68.2/42

- sign -2367.454 $\pm$ 591.956 χ^2 /NDF: 21.5/21

reg_asym_at2_avg_rms vs Slug



Right In: 1713.549+/-0.481 χ^2/NDF : 432300.3/16

Left Out: 2261.573+/-1.014 χ^2/NDF : 258474.8/3

Right Out: 1693.096+/-0.465 χ^2/NDF : 454659.7/18

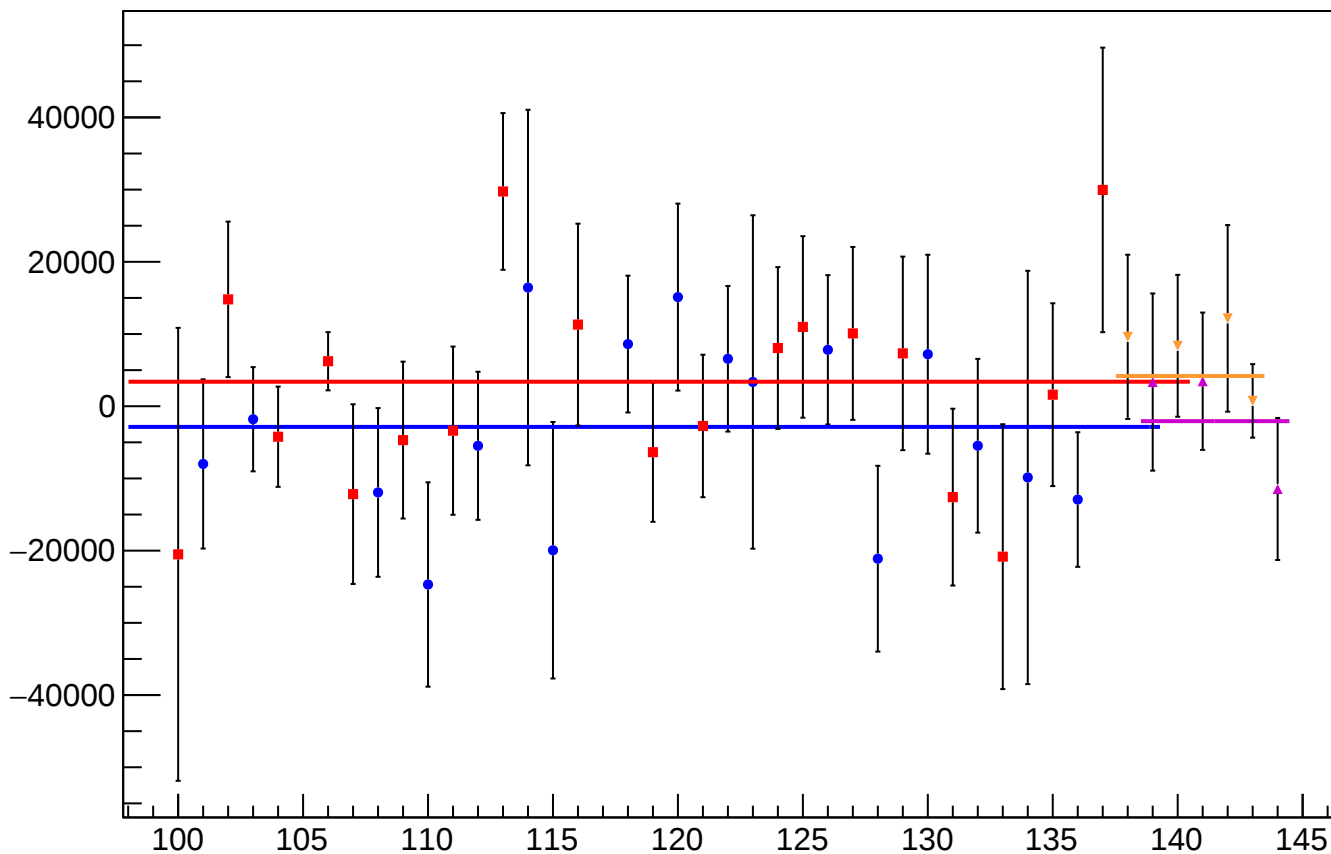
Left In: 2122.853+/-0.965 χ^2/NDF : 9283.5/2

+ sign 1814.289+/-0.435 χ^2/NDF : 929184.1/20

All: 1793.364+/-0.302 χ^2/NDF : 1558630.6/42

- sign 1773.967+/-0.419 χ^2/NDF : 624982.3/21

asym_at2_avg_correction_mean vs Slug



Right In: -2861.382+/-2859.849 χ^2 /NDF: 14.0/16

Left Out: 4189.134+/-3995.145 χ^2 /NDF: 1.2/3

Right Out: 3395.034+/-2269.782 χ^2 /NDF: 19.7/18

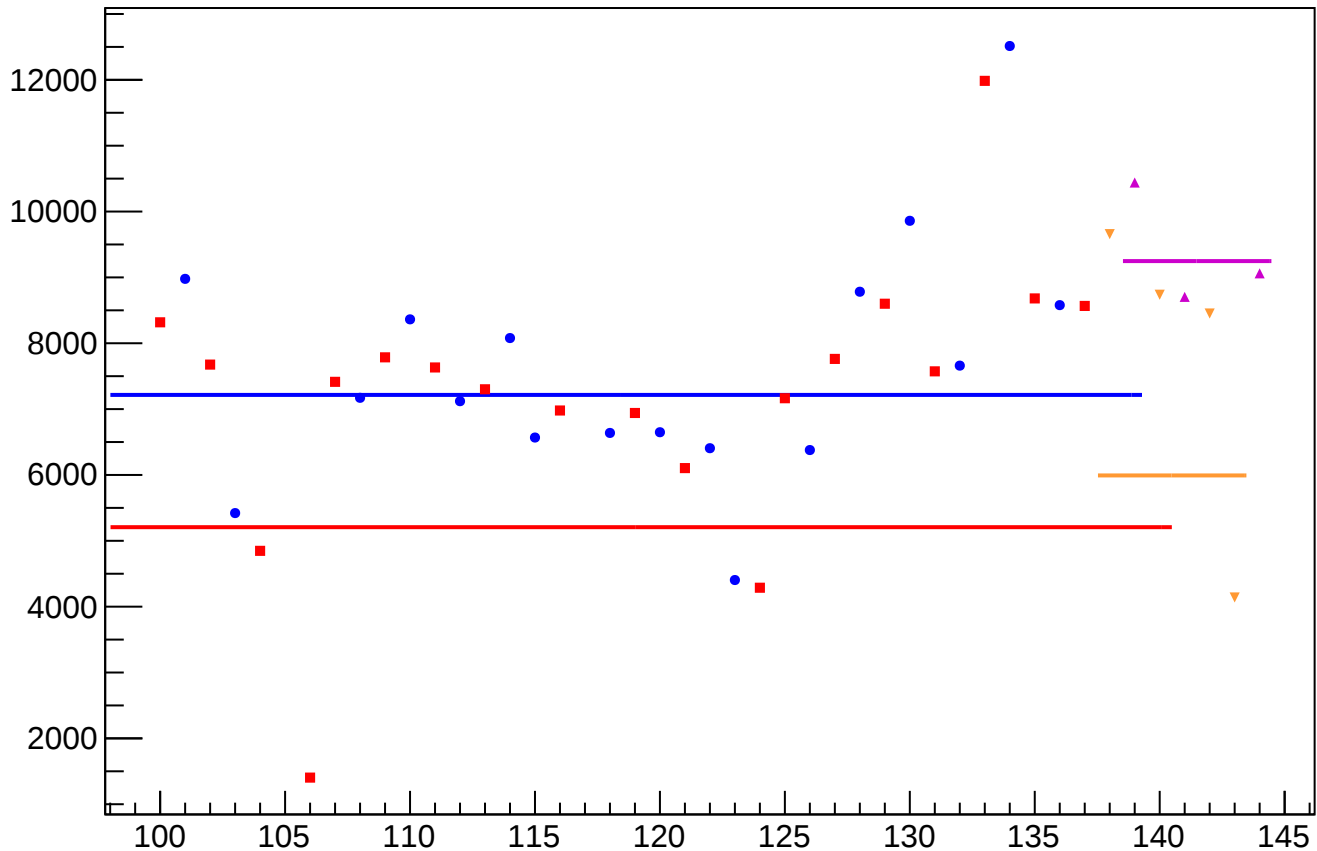
Left In: -2065.766+/-5972.322 χ^2 /NDF: 1.4/2

+ sign -472.629+/-2325.454 χ^2 /NDF: 17.3/20

All: 1261.909+/-1567.369 χ^2 /NDF: 40.2/42

- sign 2705.833+/-2121.720 χ^2 /NDF: 21.9/21

asym_at2_avg_correction_rms vs Slug



Right In: 7215.564+/-2.022 χ^2/NDF : 471682.0/16

Left Out: 5992.790+/-2.825 χ^2/NDF : 701001.9/3

Right Out: 5206.982+/-1.605 χ^2/NDF : 3196167.0/18

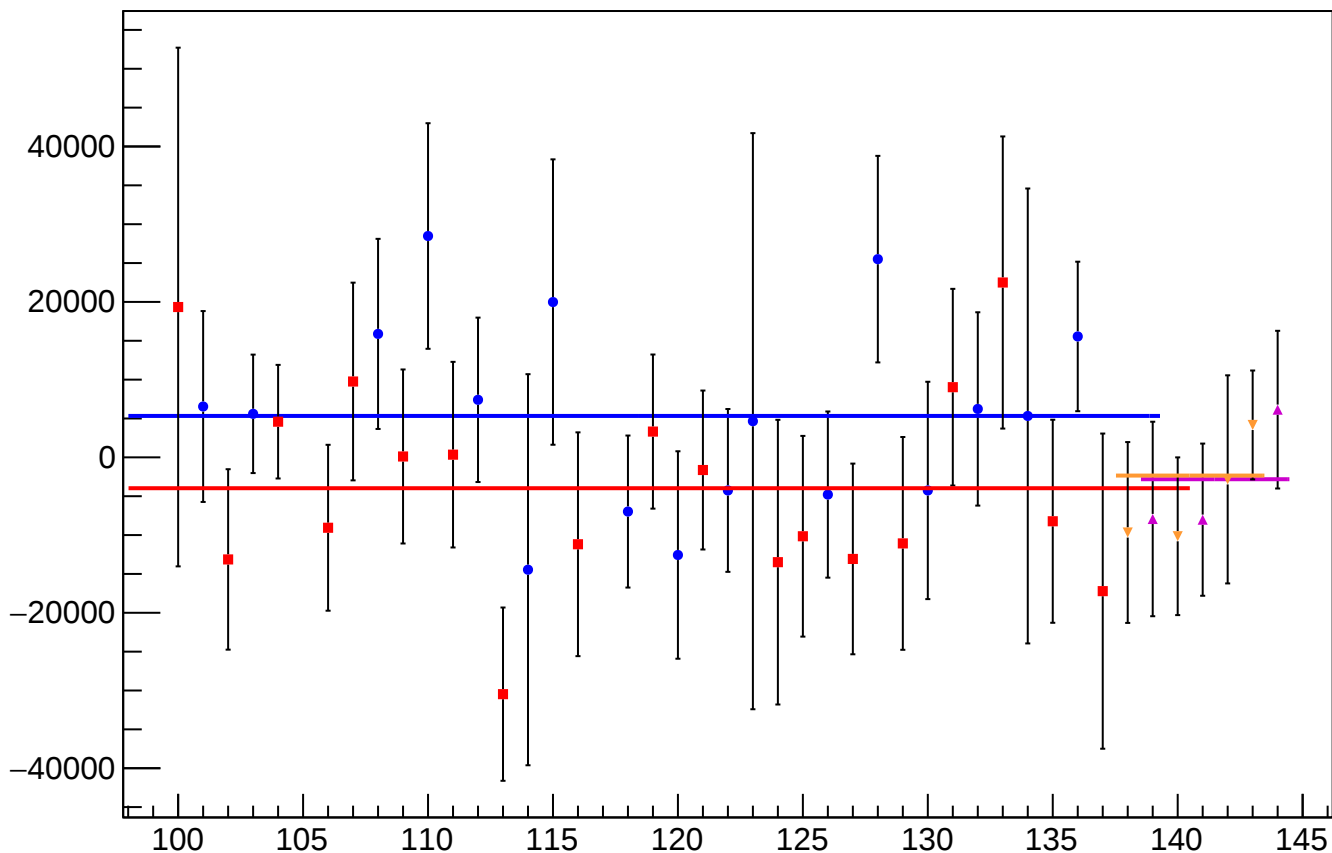
Left In: 9247.644+/-4.223 χ^2/NDF : 26152.9/2

+ sign 6801.282+/-1.644 χ^2/NDF : 1296559.7/20

All: 6209.544+/-1.108 χ^2/NDF : 5556122.1/42

- sign 5716.949+/-1.500 χ^2/NDF : 4022257.8/21

asym_at2_avg_mean vs Slug



Right In: 5329.954+/-2979.601 χ^2/NDF : 13.6/16

Left Out: -2343.984+/-4819.520 χ^2/NDF : 1.9/3

Right Out: -3971.333+/-2795.963 χ^2/NDF : 15.5/18

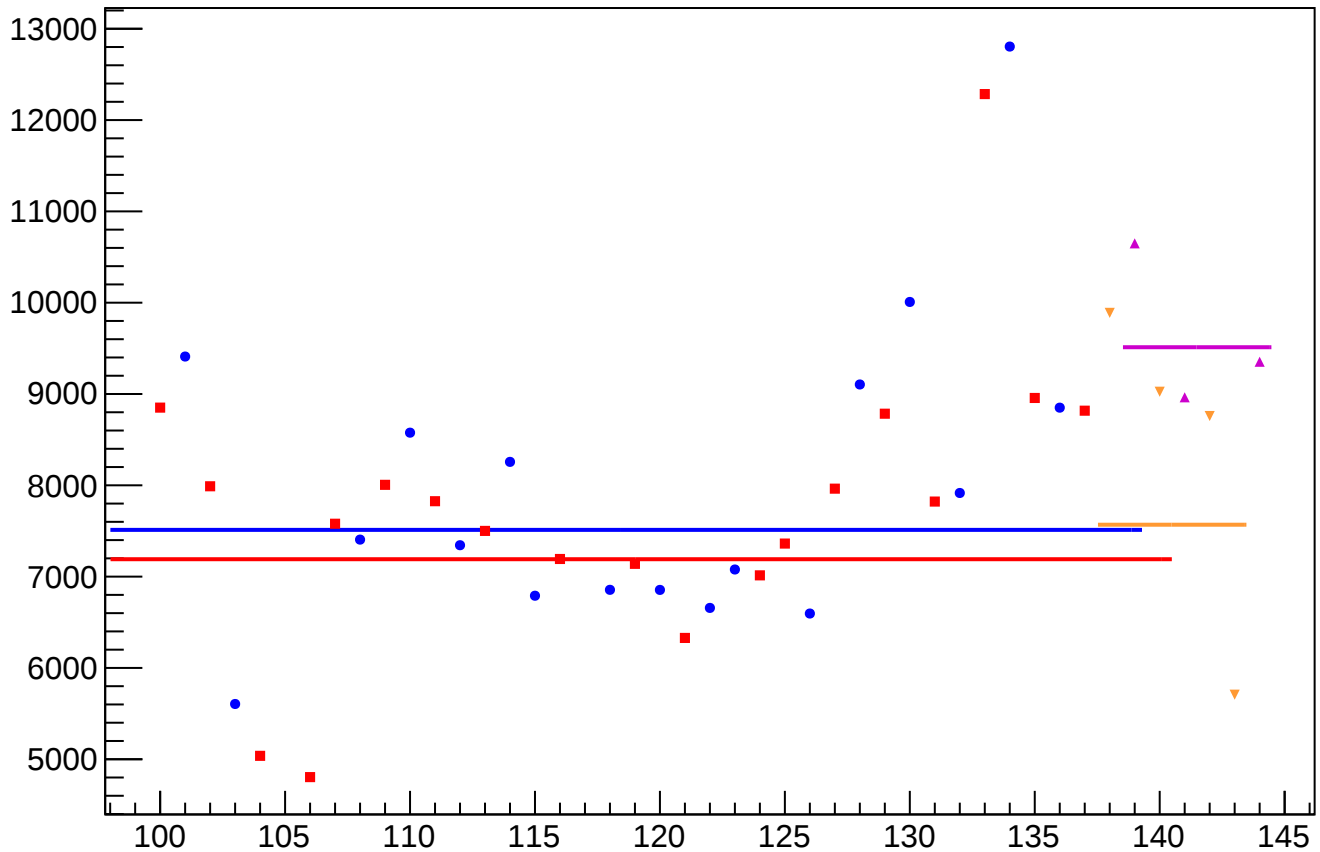
Left In: -2814.391+/-6138.929 χ^2/NDF : 1.2/2

+ sign 3207.925+/-2534.371 χ^2/NDF : 17.3/20

All: -268.423+/-1795.636 χ^2/NDF : 37.9/42

- sign -3772.574+/-2544.485 χ^2/NDF : 16.8/21

asym_at2_avg_rms vs Slug



Right In: 7511.954 ± 2.107 χ^2/NDF : 430092.6/16

Left Out: 7568.469 ± 3.408 χ^2/NDF : 277730.9/3

Right Out: 7190.607 ± 1.977 χ^2/NDF : 559177.4/18

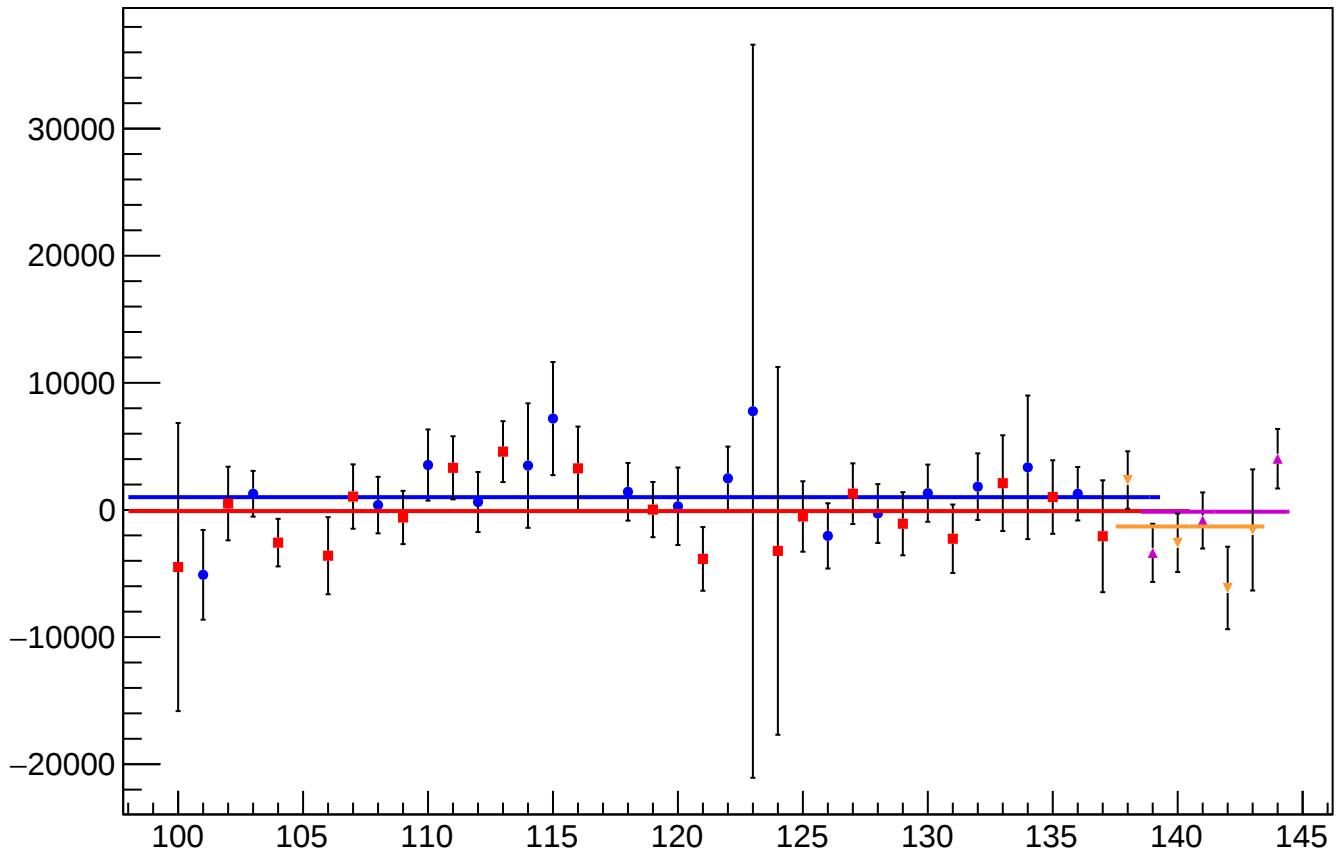
Left In: 9512.237 ± 4.341 χ^2/NDF : 23294.7/2

+ sign 7527.581 ± 1.792 χ^2/NDF : 708022.5/20

All: 7558.355 ± 1.270 χ^2/NDF : 1527998.7/42

- sign 7589.370 ± 1.799 χ^2/NDF : 819384.1/21

reg_asym_at2_dd_mean vs Slug



Right In: 1007.483 $\pm$ 646.543 χ^2 /NDF: 8.6/16

Left Out: -1299.336 $\pm$ 1382.045 χ^2 /NDF: 5.1/3

Right Out: -85.858 $\pm$ 625.192 χ^2 /NDF: 14.5/18

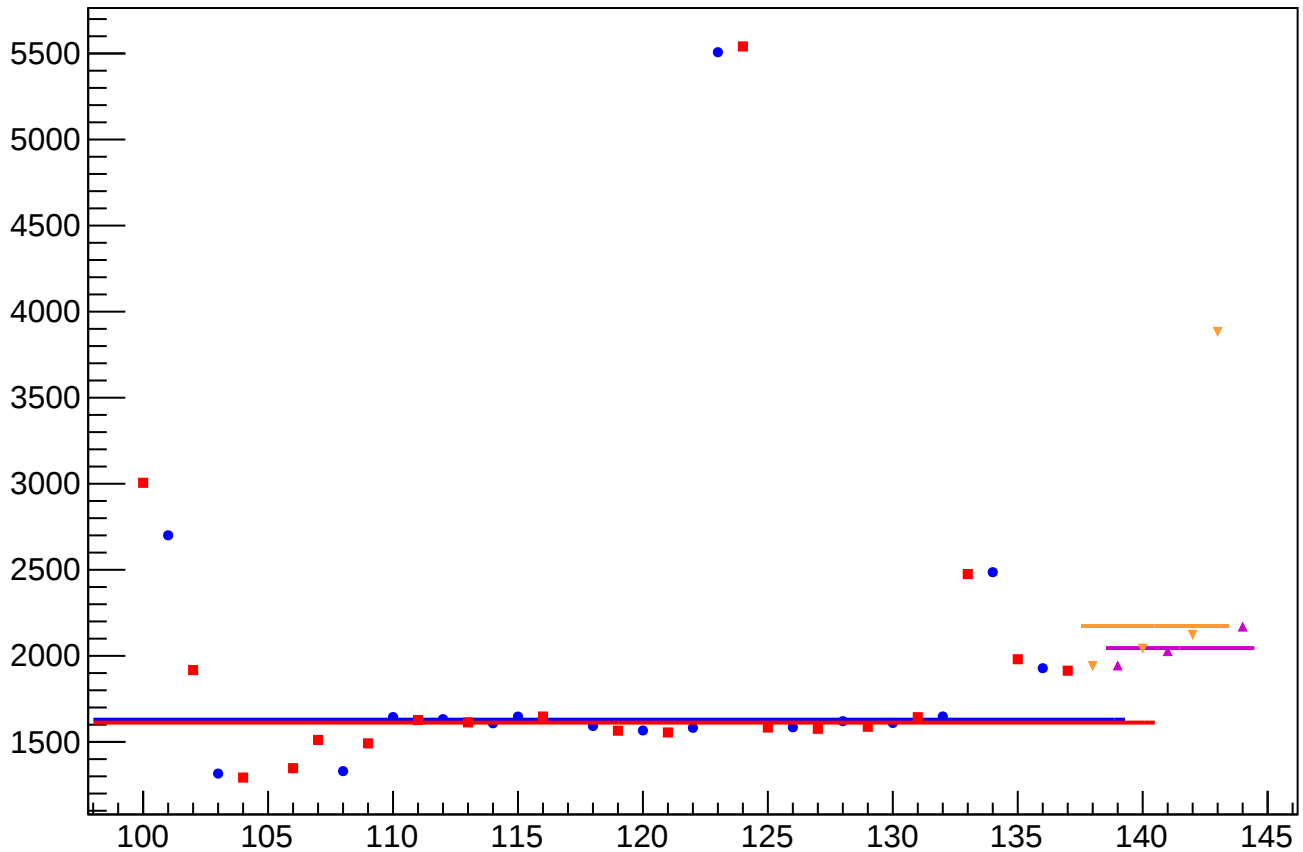
Left In: -136.680 $\pm$ 1314.732 χ^2 /NDF: 5.3/2

+ sign 593.280 $\pm$ 585.628 χ^2 /NDF: 16.1/20

All: 236.445 $\pm$ 406.466 χ^2 /NDF: 36.5/42

- sign -95.231 $\pm$ 564.607 χ^2 /NDF: 19.7/21

reg_asym_at2_dd_rms vs Slug



Right In: 1629.197+/-0.457 χ^2/NDF : 406744.5/16

Left Out: 2173.560+/-0.977 χ^2/NDF : 285561.0/3

Right Out: 1612.347+/-0.442 χ^2/NDF : 433525.9/18

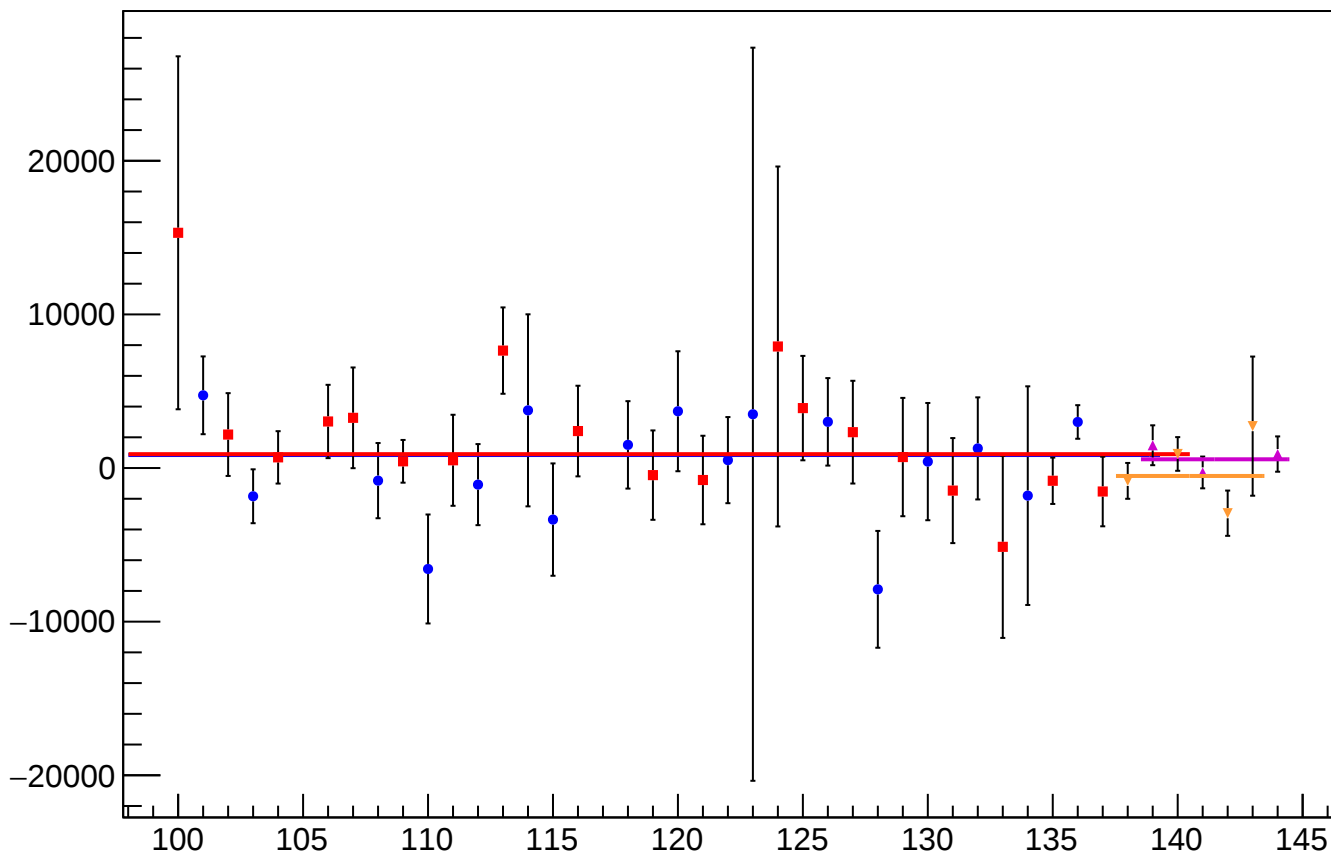
Left In: 2045.268+/-0.930 χ^2/NDF : 9700.1/2

+ sign 1726.941+/-0.414 χ^2/NDF : 946878.2/20

All: 1708.929+/-0.287 χ^2/NDF : 1570618.1/42

- sign 1692.188+/-0.399 χ^2/NDF : 620089.5/21

asym_at2_dd_correction_mean vs Slug



Right In: 846.430+/-632.780 χ^2/NDF : 22.1/16

Left Out: -516.591+/-694.007 χ^2/NDF : 5.0/3

Right Out: 903.032+/-590.474 χ^2/NDF : 15.1/18

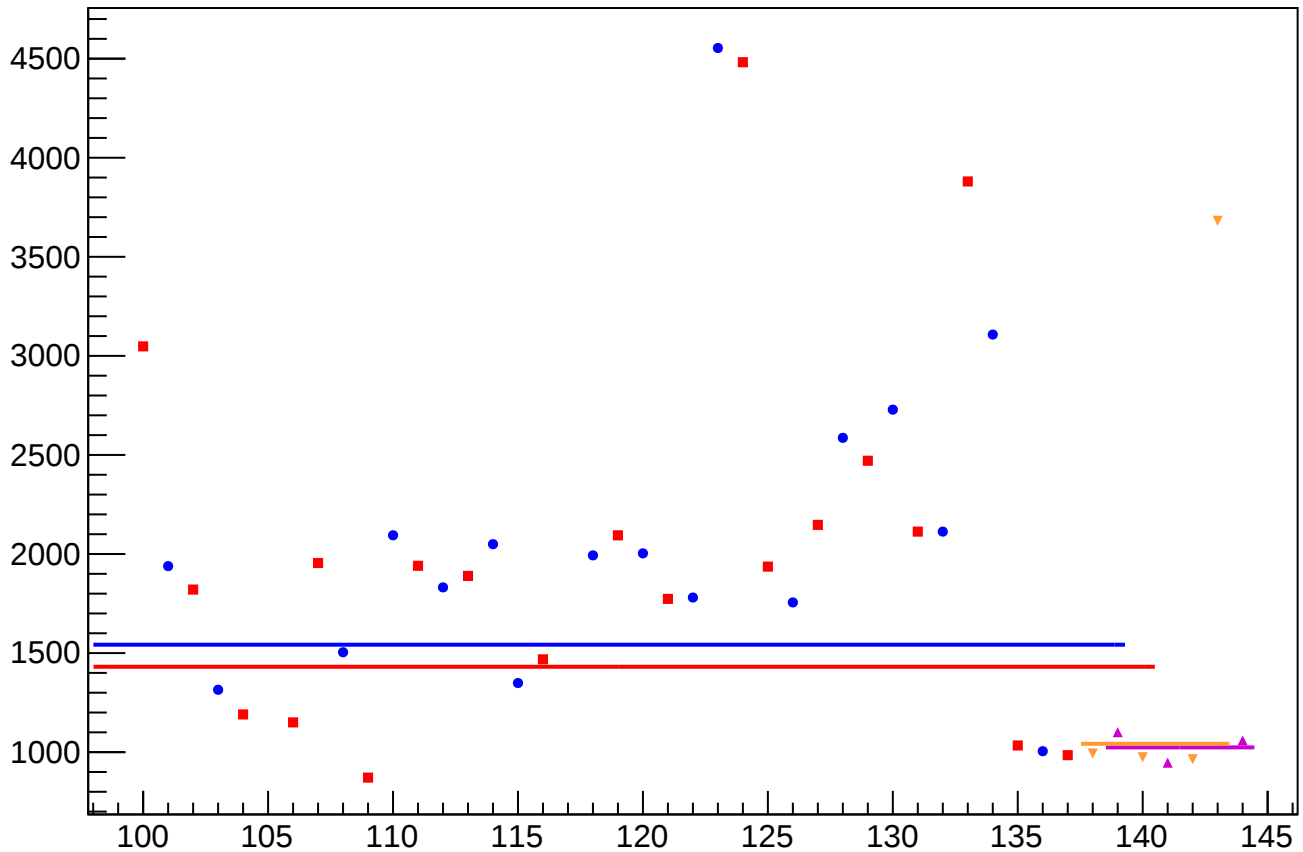
Left In: 568.716+/-661.492 χ^2/NDF : 1.3/2

+ sign 227.685+/-467.593 χ^2/NDF : 29.2/20

All: 506.941+/-320.633 χ^2/NDF : 46.5/42

- sign 754.778+/-440.504 χ^2/NDF : 16.6/21

asym_at2_dd_correction_rms vs Slug



Right In: 1542.291+/-0.447 χ^2/NDF : 1293220.0/16

Left Out: 1042.108+/-0.491 χ^2/NDF : 696090.8/3

+ sign 1315.232+/-0.331 χ^2/NDF : 2556584.1/20

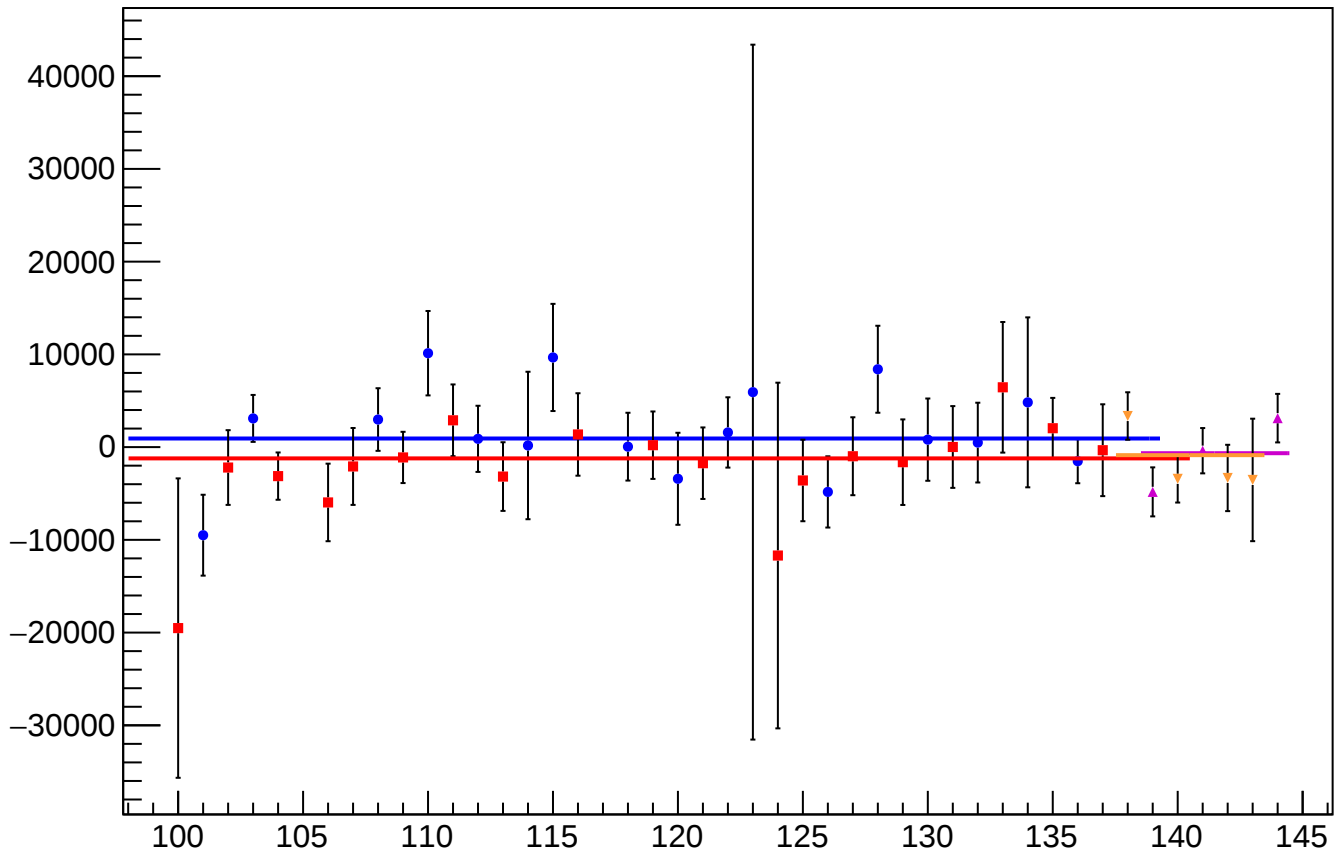
Right Out: 1430.966+/-0.418 χ^2/NDF : 1823025.4/18

All: 1280.946+/-0.227 χ^2/NDF : 4841108.0/42

- sign 1250.517+/-0.311 χ^2/NDF : 2264227.1/21

Left In: 1024.051+/-0.468 χ^2/NDF : 20003.9/2

asym_at2_dd_mean vs Slug



Right In: 928.405 ± 970.555 χ^2/NDF : 20.1/16

Left Out: -867.562 ± 1567.973 χ^2/NDF : 4.4/3

Right Out: -1216.382 ± 927.249 χ^2/NDF : 8.1/18

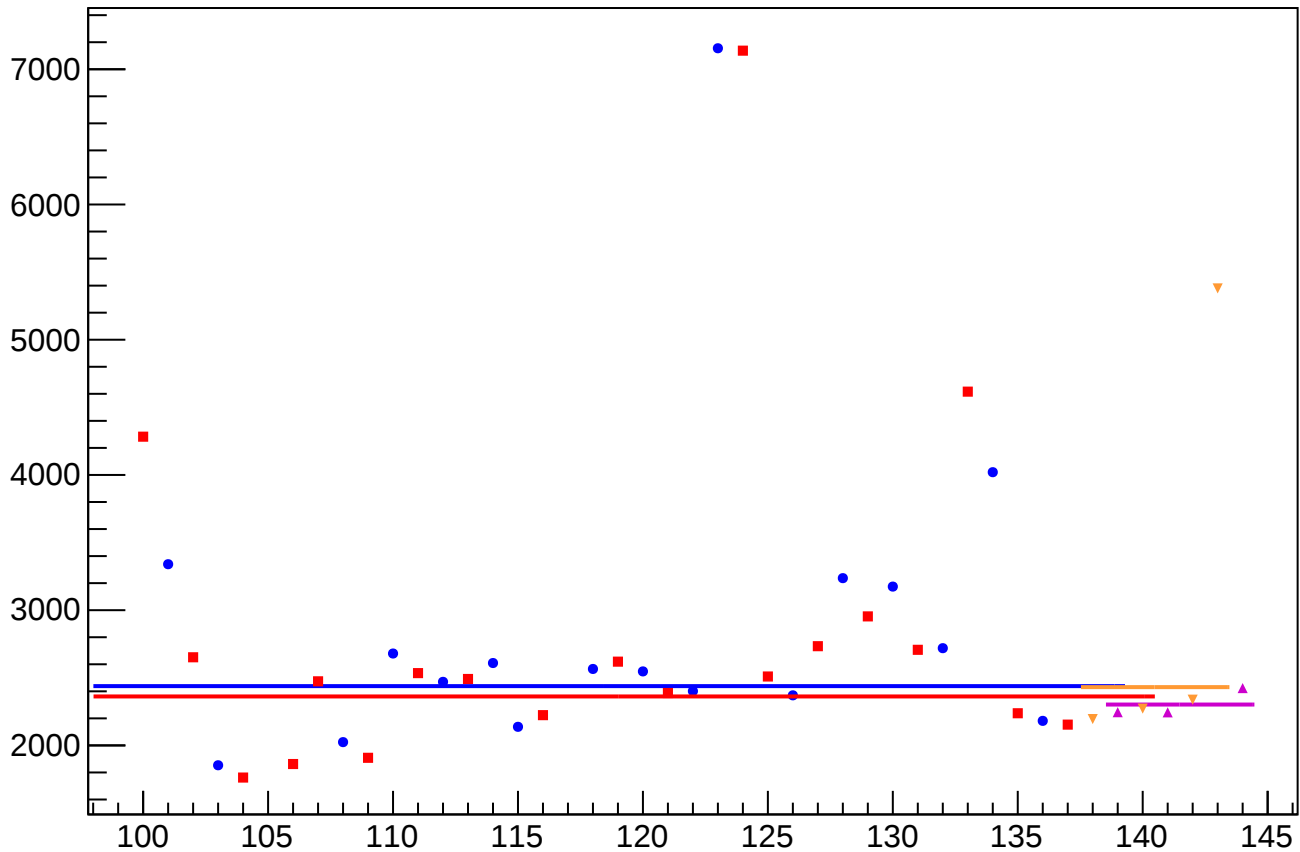
Left In: -656.522 ± 1479.675 χ^2/NDF : 4.6/2

+ sign 430.904 ± 825.251 χ^2/NDF : 25.4/20

All: -350.334 ± 569.050 χ^2/NDF : 39.9/42

- sign -1058.518 ± 785.720 χ^2/NDF : 12.8/21

asym_at2_dd_rms vs Slug



Right In: 2438.478+/-0.686 χ^2/NDF : 474942.5/16

Left Out: 2431.042+/-1.109 χ^2/NDF : 424822.1/3

Right Out: 2362.082+/-0.656 χ^2/NDF : 657383.2/18

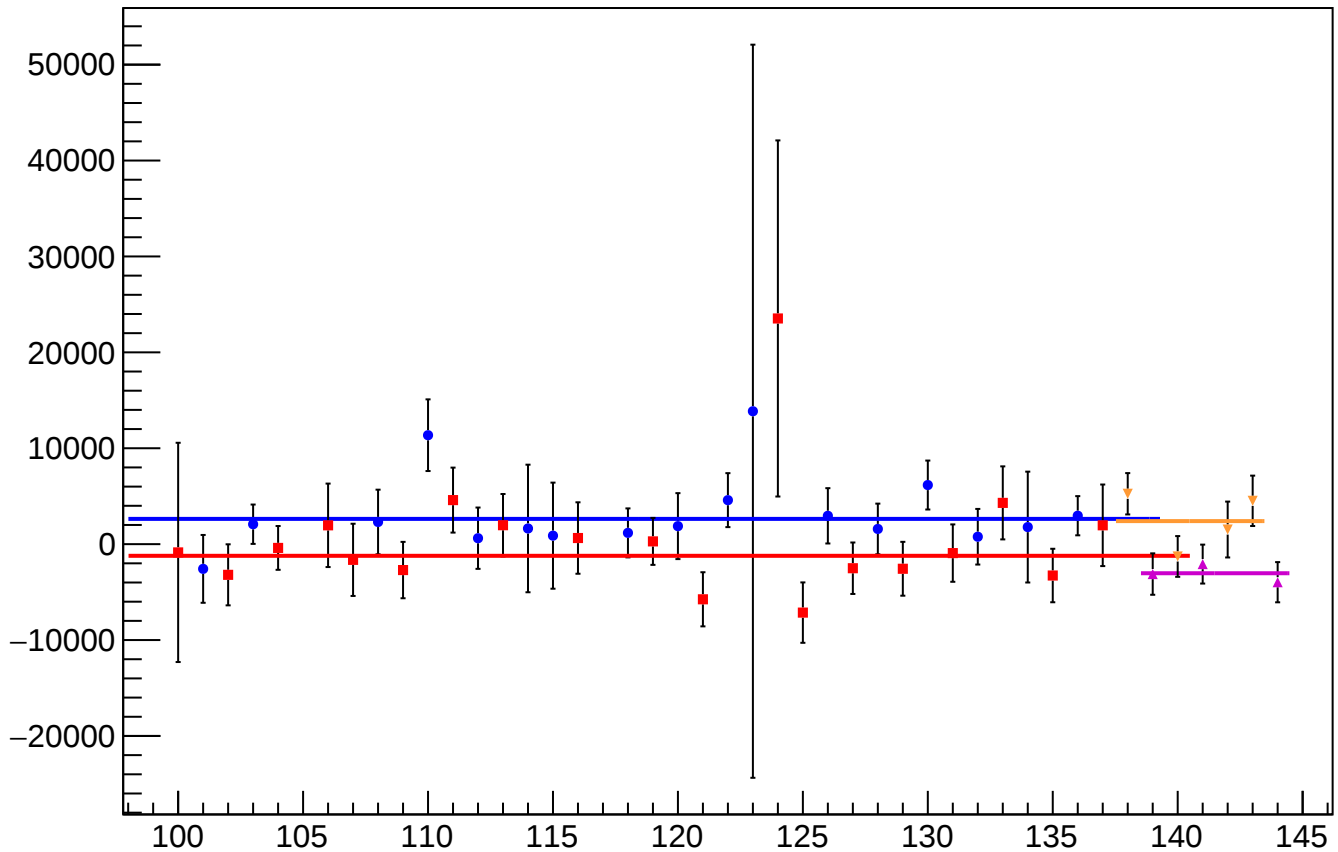
Left In: 2302.232+/-1.046 χ^2/NDF : 6359.0/2

+ sign 2436.418+/-0.584 χ^2/NDF : 899797.2/20

All: 2388.575+/-0.402 χ^2/NDF : 1578704.1/42

- sign 2345.206+/-0.556 χ^2/NDF : 666091.6/21

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2633.941 $\pm$ 745.154 χ^2 /NDF: 11.7/16

Left Out: 2402.837 $\pm$ 1195.585 χ^2 /NDF:5.5/3

Right Out: -1215.611 $\pm$ 741.742 χ^2 /NDF: 17.4/18

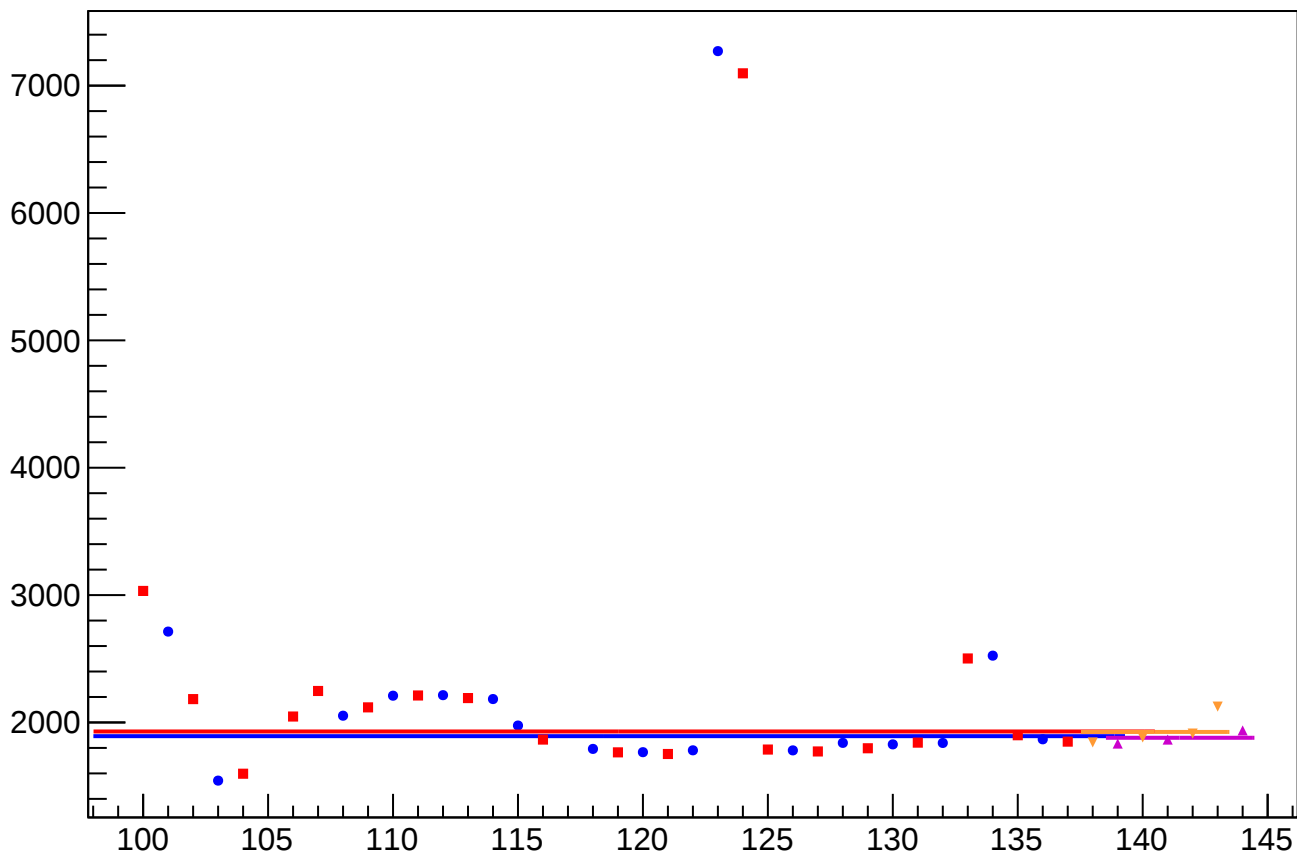
Left In: -3033.471 $\pm$ 1208.336 χ^2 /NDF:0.4/2

+ sign 2569.285 $\pm$ 632.385 χ^2 /NDF: 17.2/20

All: 427.251 $\pm$ 447.078 χ^2 /NDF: 59.7/42

- sign -1713.135 $\pm$ 632.142 χ^2 /NDF: 19.5/21

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1892.368+/-0.527 χ^2/NDF : 287730.3/16

Left Out: 1925.569+/-0.845 χ^2/NDF : 15259.2/3

Right Out: 1929.250+/-0.524 χ^2/NDF : 360280.1/18

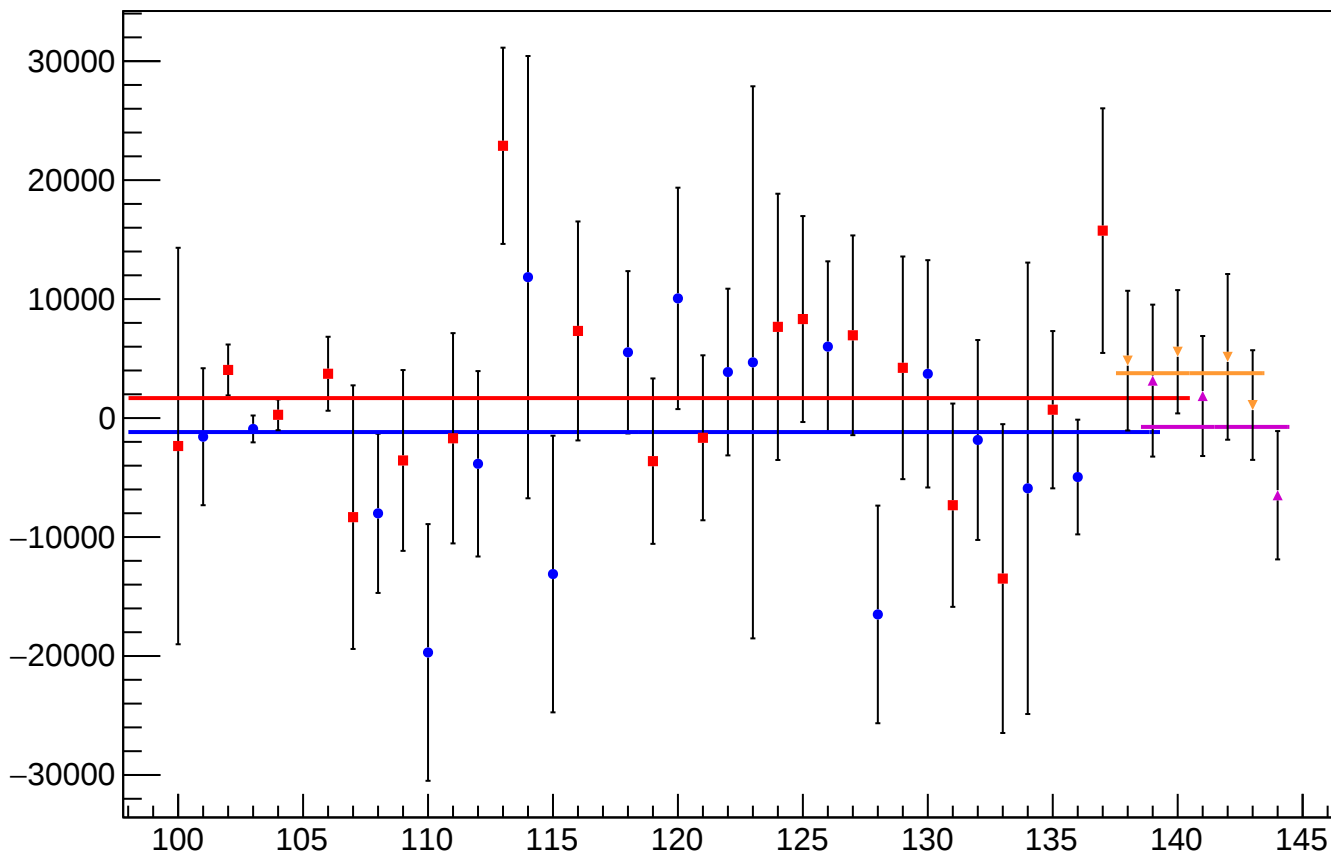
Left In: 1879.696+/-0.854 χ^2/NDF : 2496.7/2

+ sign 1901.657+/-0.447 χ^2/NDF : 304100.3/20

All: 1908.699+/-0.316 χ^2/NDF : 669817.5/42

- sign 1915.719+/-0.446 χ^2/NDF : 365222.0/21

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1175.288 ± 985.256 χ^2/NDF : 13.5/16

Left Out: 3772.331 ± 2732.227 χ^2/NDF : 0.5/3

Right Out: 1679.065 ± 942.057 χ^2/NDF : 17.8/18

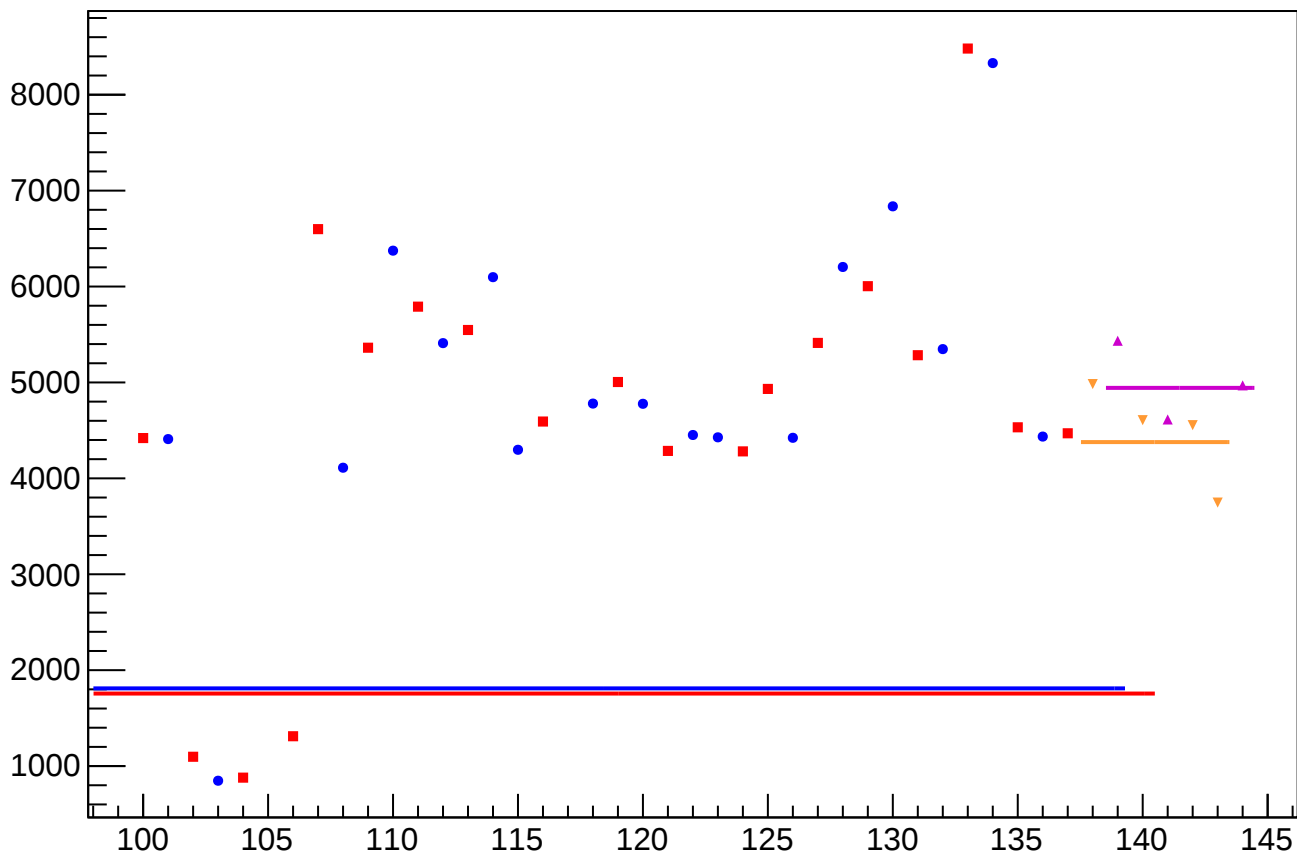
Left In: -742.573 ± 3190.934 χ^2/NDF : 1.8/2

+ sign -605.952 ± 926.836 χ^2/NDF : 16.9/20

All: 466.130 ± 646.966 χ^2/NDF : 39.7/42

- sign 1484.916 ± 903.505 χ^2/NDF : 20.1/21

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1810.087+/-0.697 χ^2/NDF : 6438570.3/16

Left Out: 4378.157+/-1.932 χ^2/NDF : 63869.1/3

Right Out: 1756.198+/-0.666 χ^2/NDF : 6295444.5/18

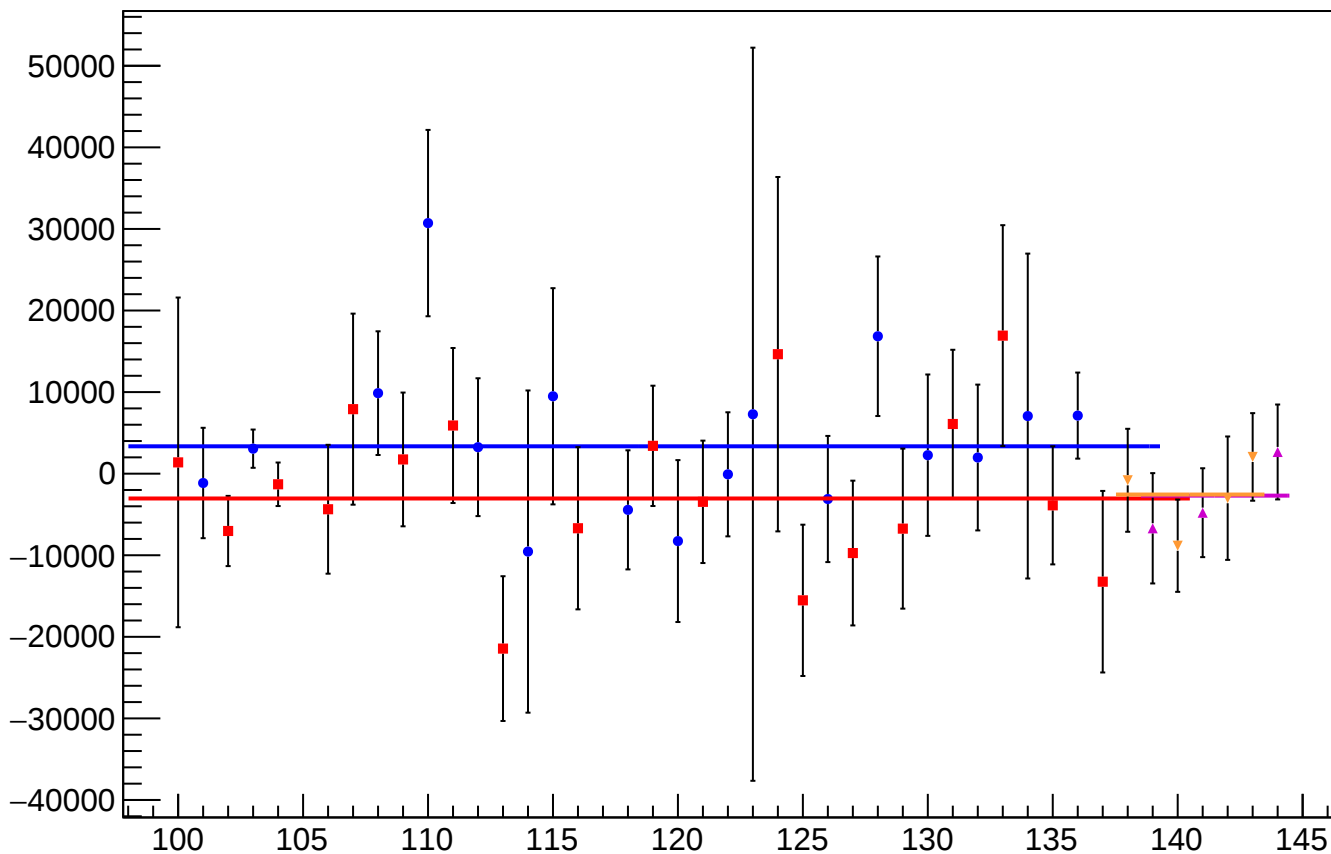
Left In: 4943.393+/-2.256 χ^2/NDF : 20413.0/2

+ sign 2105.601+/-0.655 χ^2/NDF : 8066011.5/20

All: 2057.466+/-0.457 χ^2/NDF : 16227735.9/4

- sign 2011.723+/-0.639 χ^2/NDF : 8151203.6/21

asym_atl1r2_avg_mean vs Slug



Right In: 3354.333 $\pm$ 1609.286 χ^2 /NDF: 13.5/16

Left Out: -2558.377 $\pm$ 3035.226 χ^2 /NDF: 2.0/3

Right Out: -3042.258 $\pm$ 1608.040 χ^2 /NDF: 15.9/18

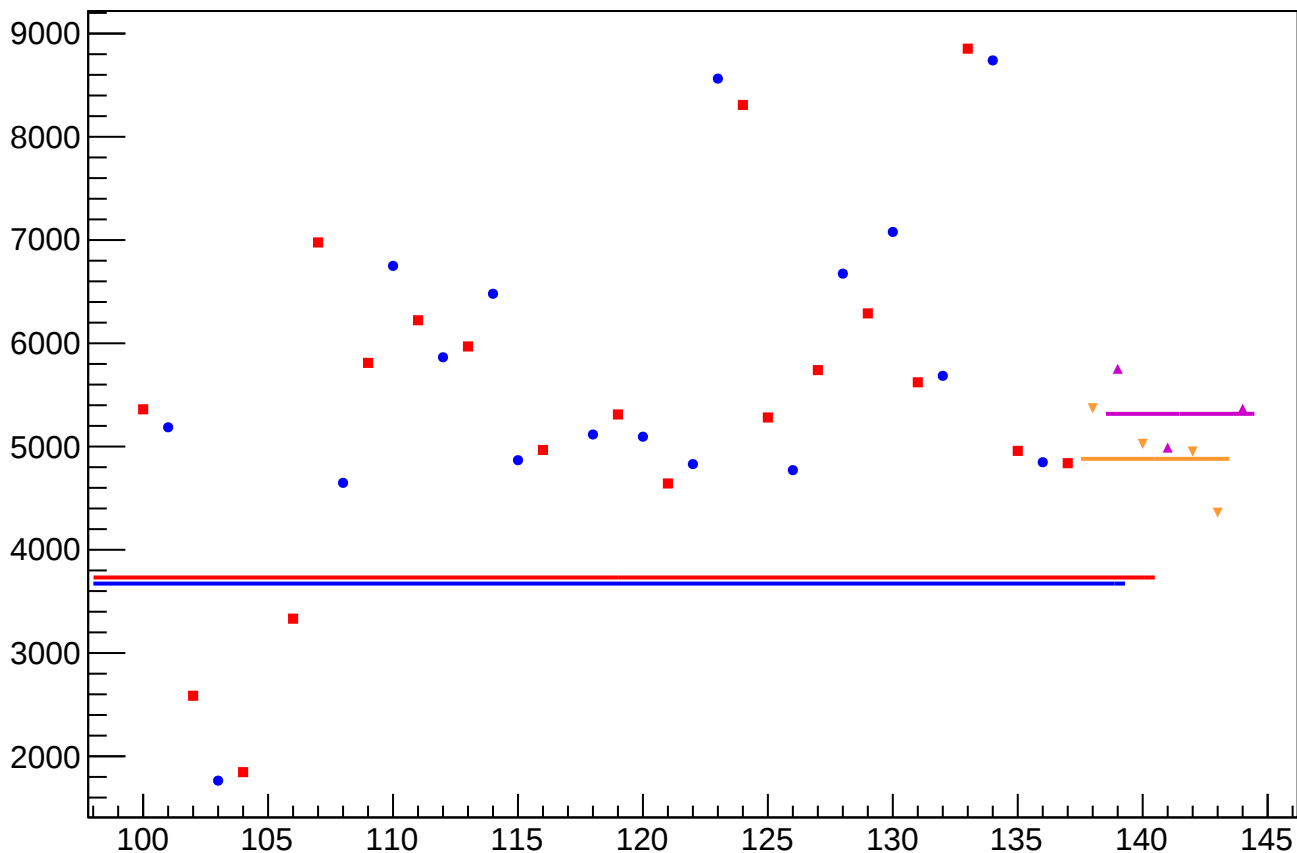
Left In: -2691.302 $\pm$ 3427.760 χ^2 /NDF: 1.3/2

+ sign 2056.906 $\pm$ 1421.802 χ^2 /NDF: 18.5/20

All: -401.525 $\pm$ 1017.175 χ^2 /NDF: 41.9/42

- sign -2978.953 $\pm$ 1455.806 χ^2 /NDF: 17.2/21

asym_atl1r2_avg_rms vs Slug



Right In: 3672.737+/-1.138 χ^2/NDF : 2780170.9/16

Left Out: 4880.805+/-2.146 χ^2/NDF : 32362.1/3

Right Out: 3731.692+/-1.129 χ^2/NDF : 2692478.3/18

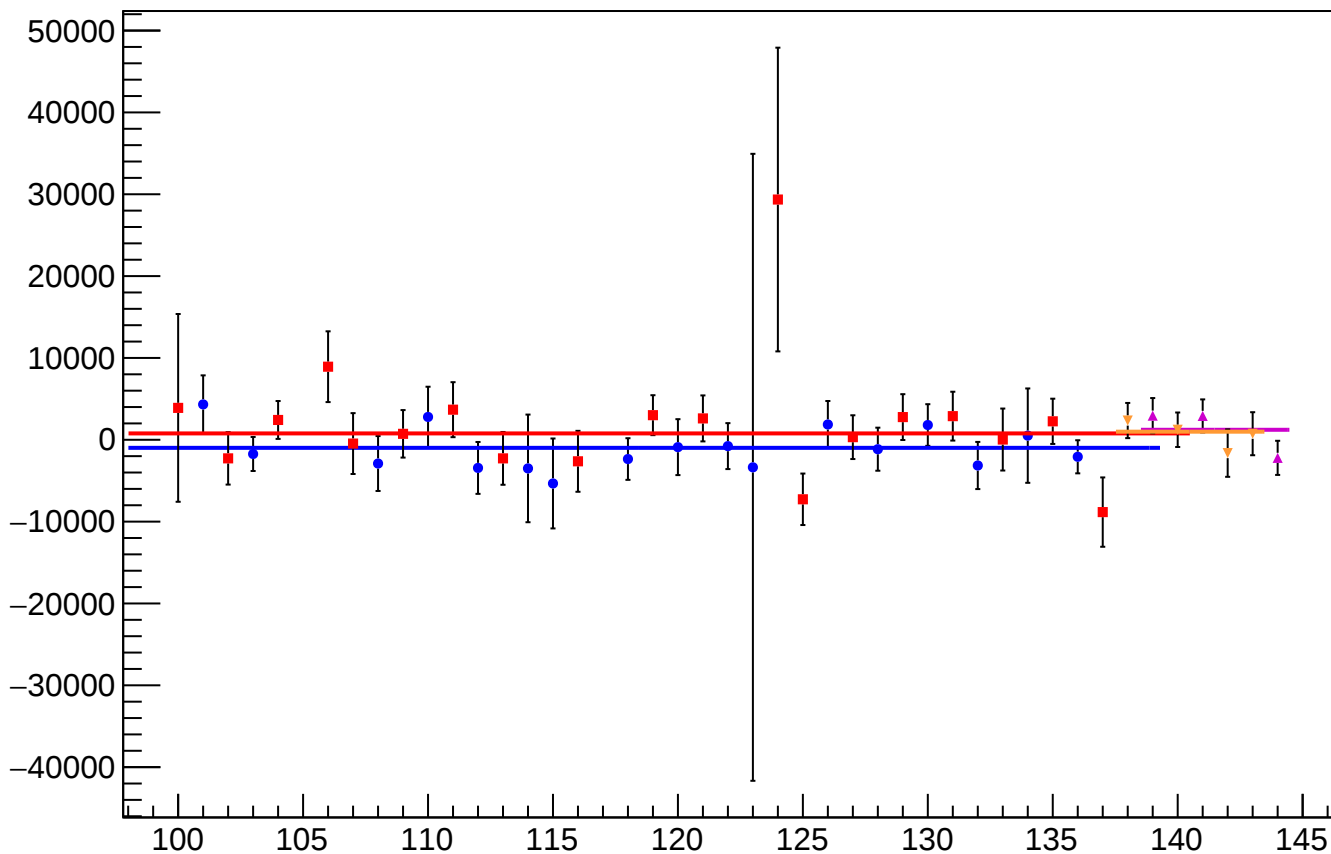
Left In: 5316.786+/-2.424 χ^2/NDF : 15681.5/2

+ sign 3937.823+/-1.005 χ^2/NDF : 3059843.5/20

All: 3975.462+/-0.717 χ^2/NDF : 6122234.9/42

- sign 4014.492+/-1.024 χ^2/NDF : 3059536.4/21

reg_asym_atl1r2_dd_mean vs Slug



Right In: -984.395+/-742.831 χ^2/NDF : 8.5/16

Left Out: 990.522+/-1190.522 χ^2/NDF : 1.2/3

Right Out: 778.348+/-739.635 χ^2/NDF : 24.3/18

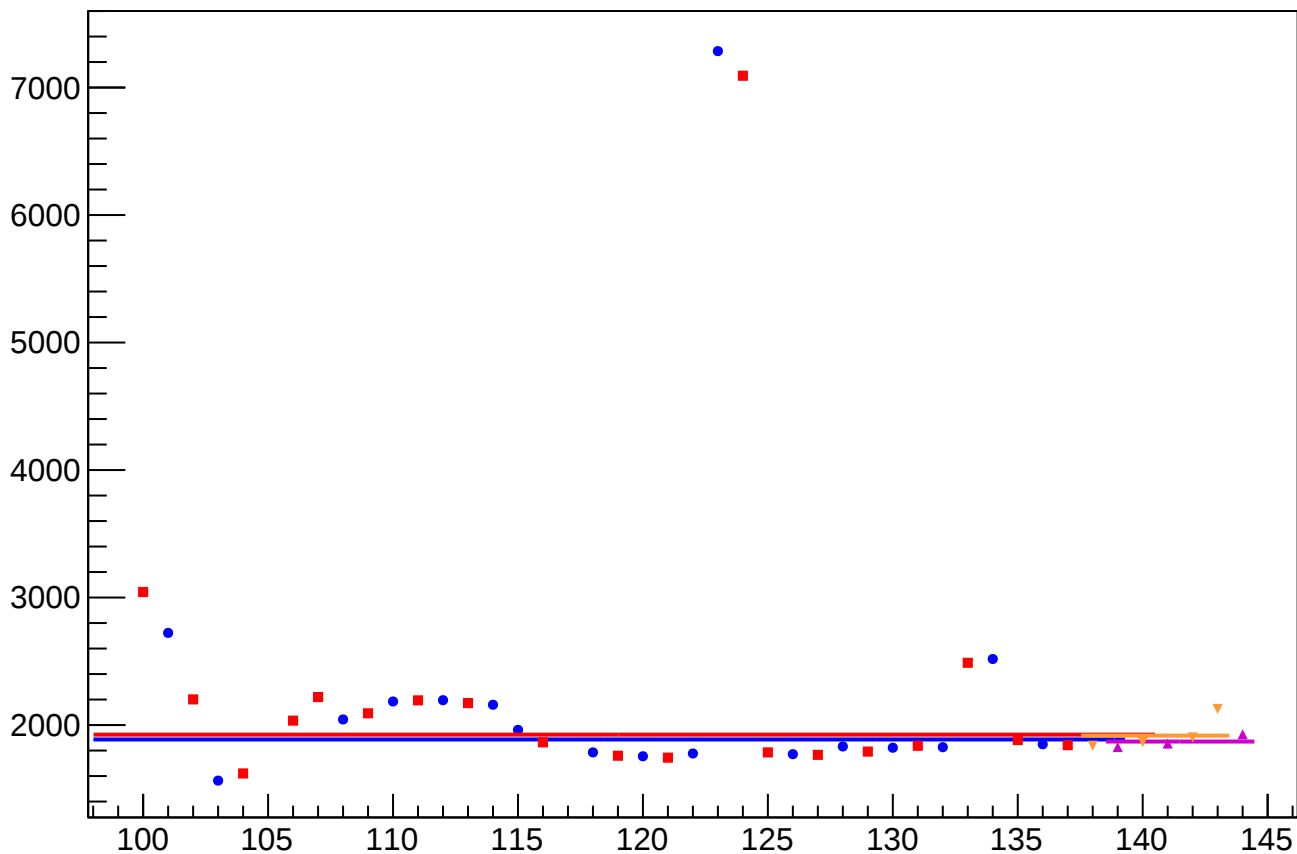
Left In: 1221.394+/-1202.511 χ^2/NDF : 4.1/2

+ sign -430.979+/-630.215 χ^2/NDF : 11.7/20

All: 234.711+/-445.555 χ^2/NDF : 42.5/42

- sign 899.955+/-630.003 χ^2/NDF : 28.5/21

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1887.042+/-0.525 χ^2/NDF : 279163.5/16

Left Out: 1917.105+/-0.842 χ^2/NDF : 16602.2/3

Right Out: 1924.813+/-0.522 χ^2/NDF : 349556.4/18

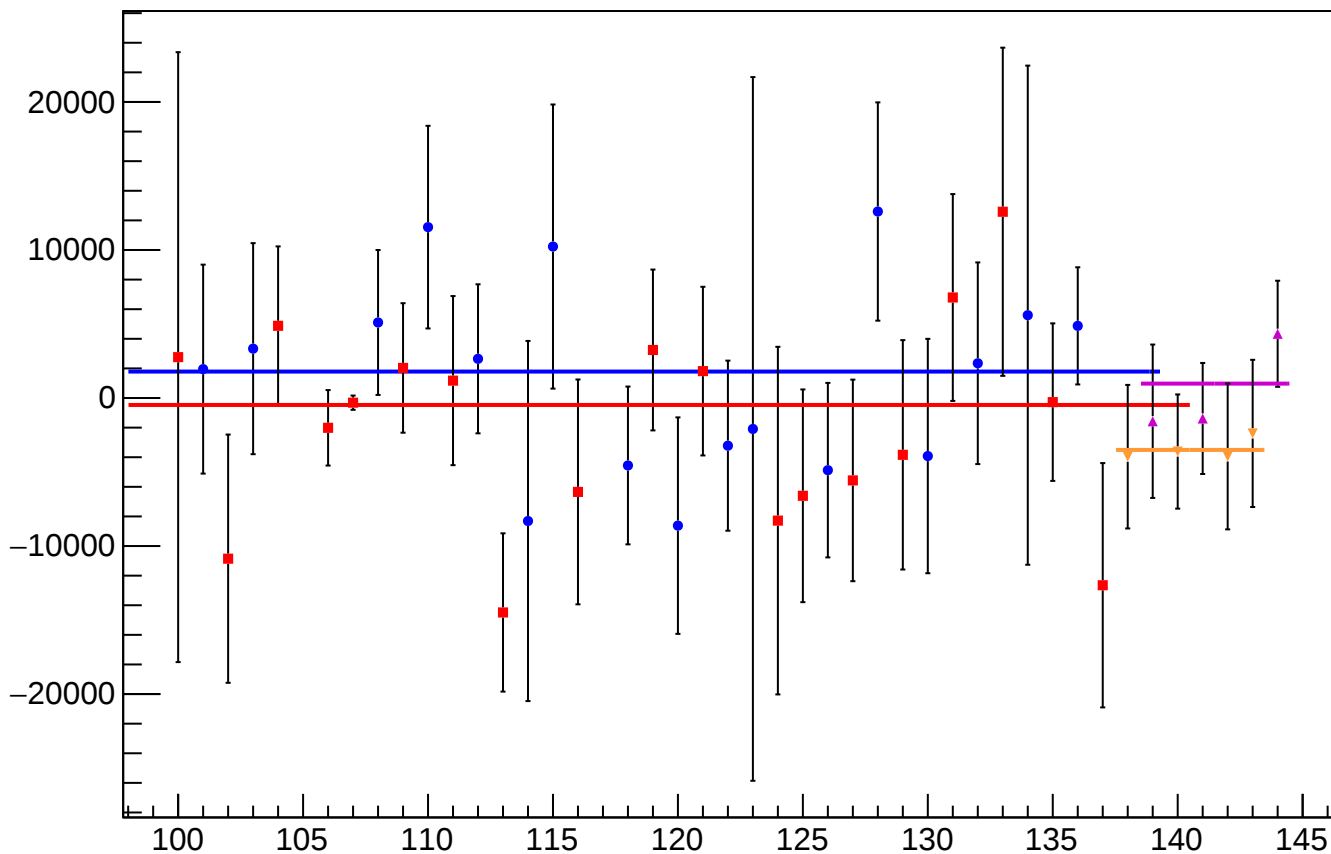
Left In: 1870.661+/-0.850 χ^2/NDF : 2402.3/2

+ sign 1895.466+/-0.446 χ^2/NDF : 296683.6/20

All: 1902.735+/-0.315 χ^2/NDF : 652118.8/42

- sign 1909.983+/-0.445 χ^2/NDF : 354903.8/21

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1787.135 $\pm$ 1585.326 χ^2 /NDF: 12.9/16

Left Out: -3506.449 $\pm$ 2285.964 χ^2 /NDF:0.1/3

Right Out: -469.568 $\pm$ 453.765 χ^2 /NDF: 18.1/18

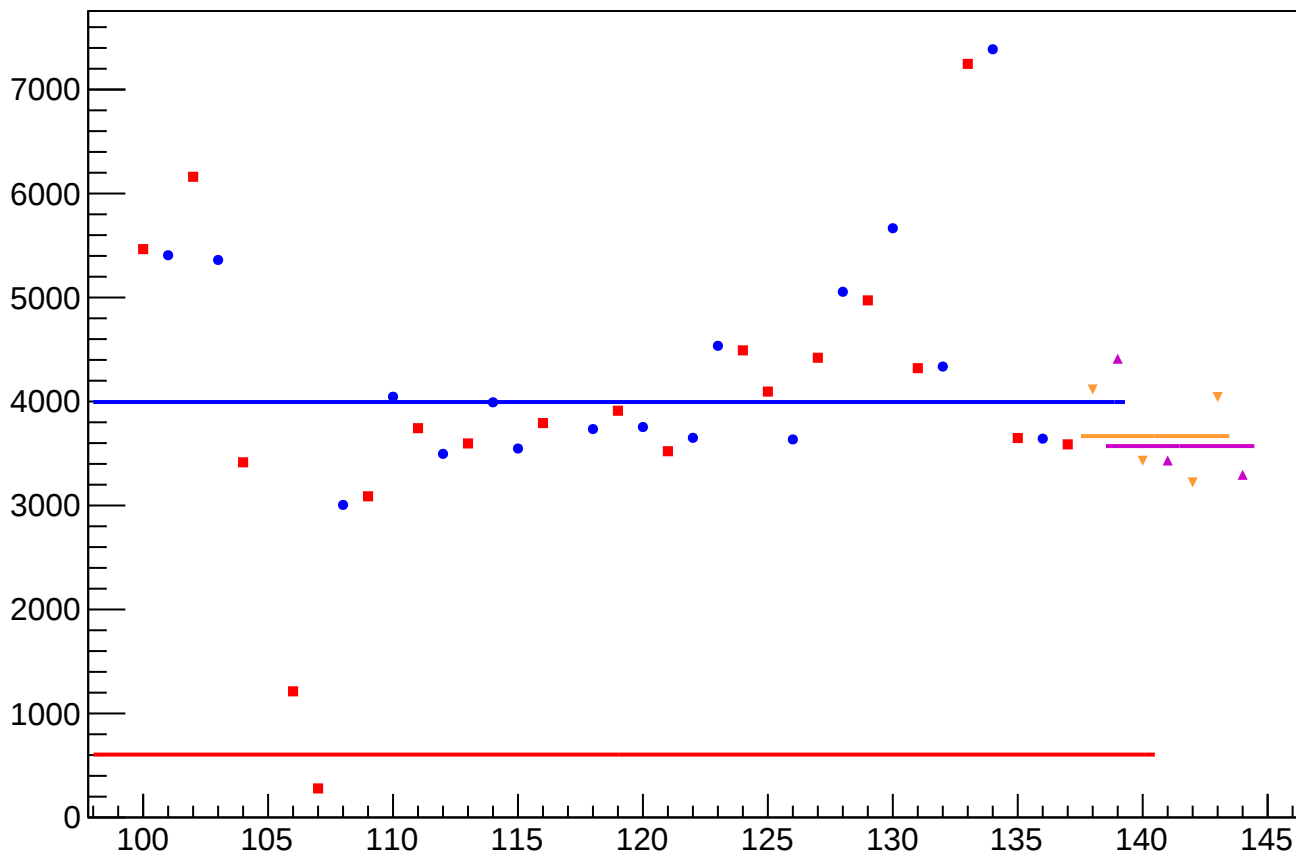
Left In: 972.661 $\pm$ 2317.328 χ^2 /NDF:1.5/2

+ sign 68.007 $\pm$ 1302.713 χ^2 /NDF: 16.6/20

All: -365.640 $\pm$ 421.370 χ^2 /NDF: 36.7/42

- sign -416.311 $\pm$ 445.308 χ^2 /NDF: 20.0/21

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3994.850+/-1.121 χ^2/NDF : 514121.6/16

Left Out: 3666.998+/-1.616 χ^2/NDF : 52384.8/3

Right Out: 604.597+/-0.321 χ^2/NDF : 10213257.4/18

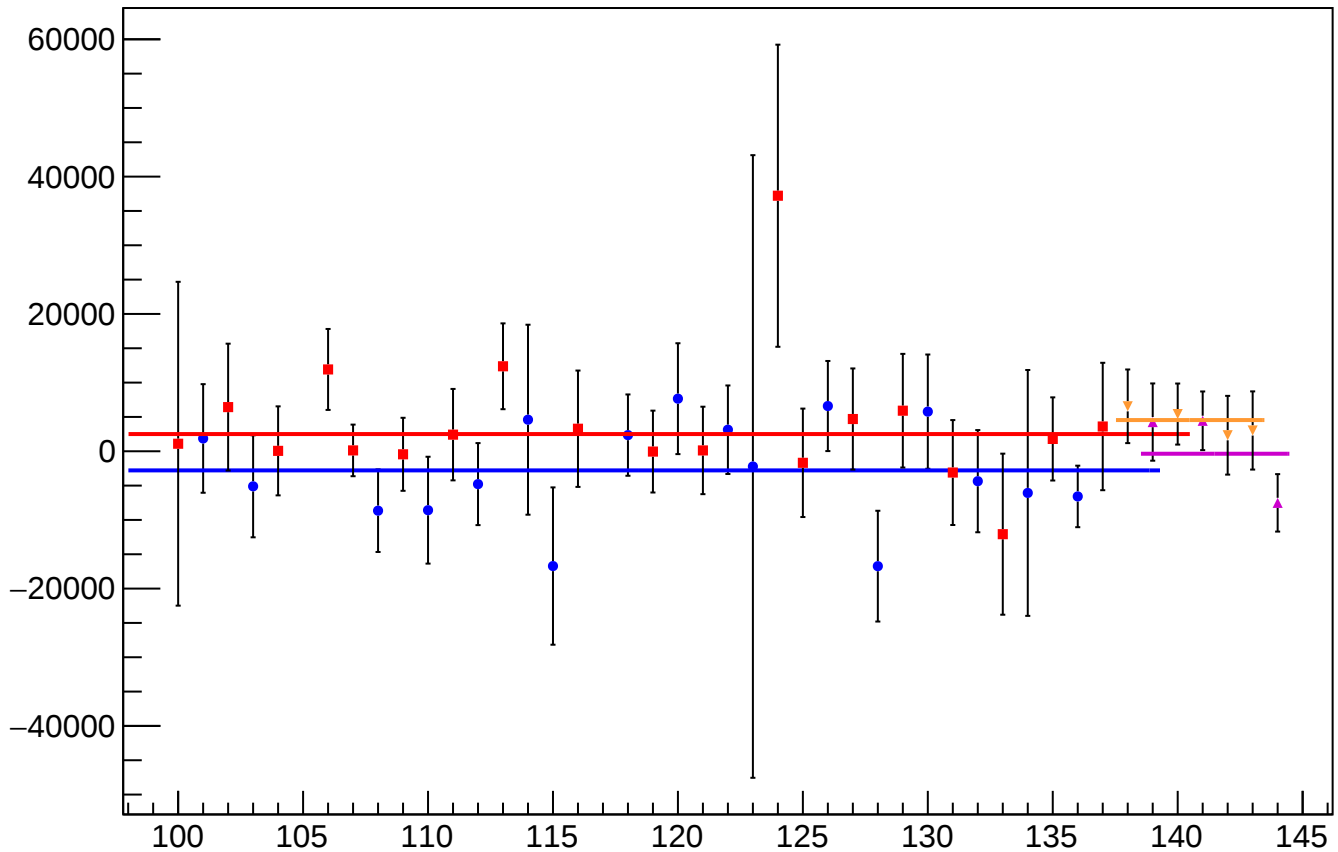
Left In: 3571.282+/-1.639 χ^2/NDF : 67202.7/2

+ sign 3888.378+/-0.921 χ^2/NDF : 594284.8/20

All: 1046.248+/-0.298 χ^2/NDF : 24663612.9/4

- sign 714.149+/-0.315 χ^2/NDF : 13437328.9/21

asym_atl1r2_dd_mean vs Slug



Right In: -2785.964 ± 1791.352 χ^2/NDF : 14.0/16

Left Out: 4543.770 ± 2611.725 χ^2/NDF : 0.4/3

Right Out: 2505.806 ± 1577.964 χ^2/NDF : 11.5/18

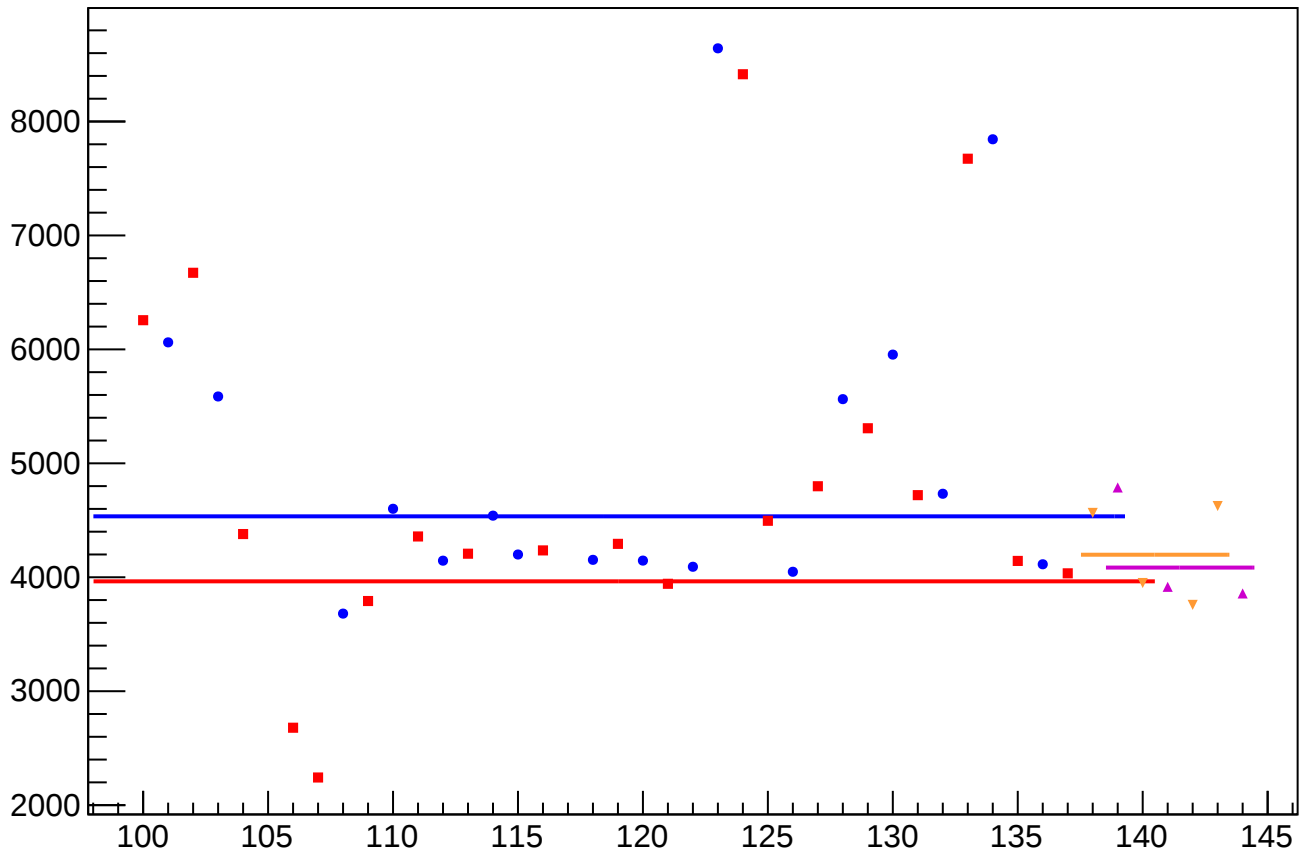
Left In: -360.711 ± 2639.626 χ^2/NDF : 4.9/2

+ sign -440.941 ± 1477.260 χ^2/NDF : 19.7/20

All: 750.013 ± 998.322 χ^2/NDF : 38.2/42

- sign 1751.117 ± 1354.407 χ^2/NDF : 17.3/21

asym_atl1r2_dd_rms vs Slug



Right In: 4534.748+/-1.267 χ^2/NDF : 393206.7/16

Left Out: 4197.858+/-1.847 χ^2/NDF : 38652.9/3

Right Out: 3964.264+/-1.109 χ^2/NDF : 1142035.1/18

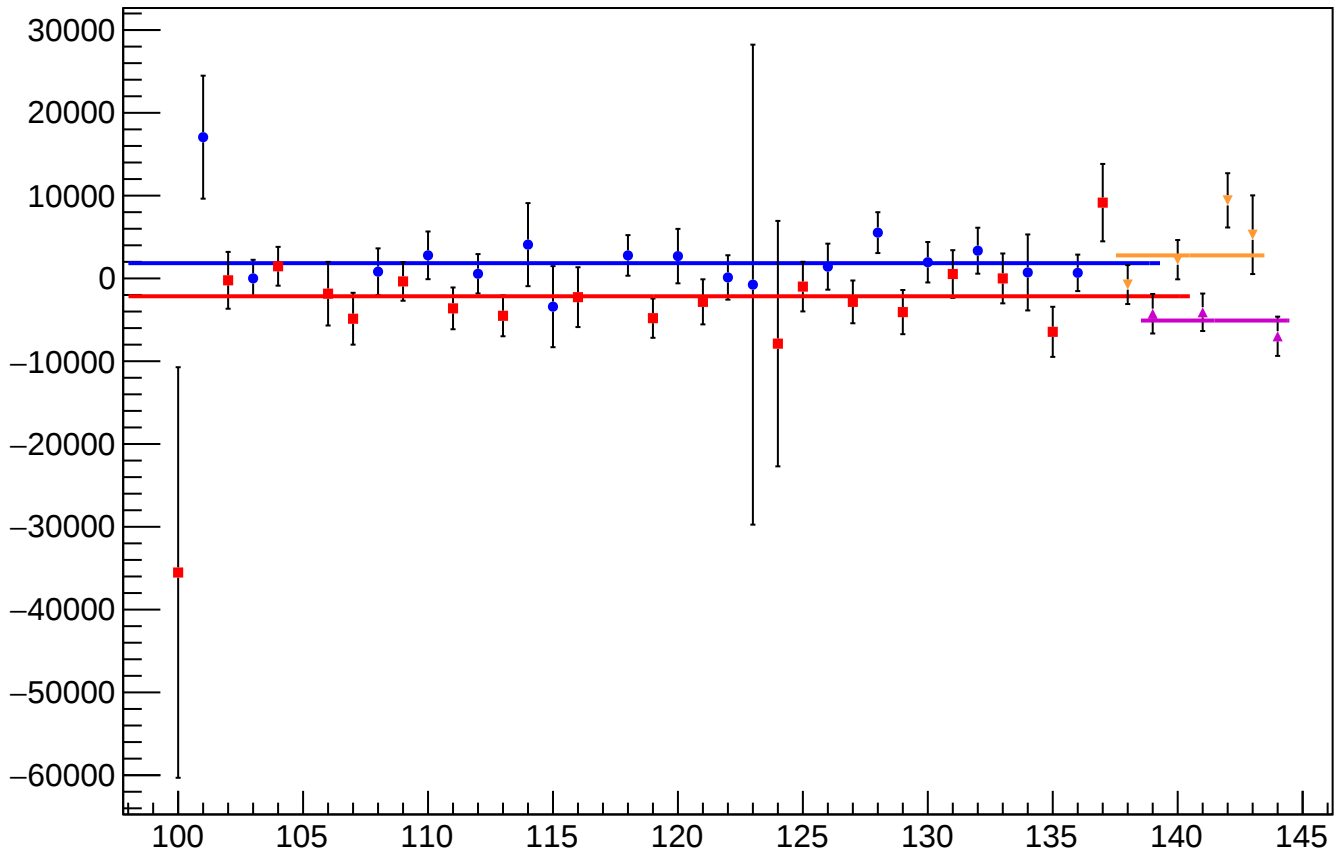
Left In: 4085.003+/-1.866 χ^2/NDF : 40256.3/2

+ sign 4426.966+/-1.045 χ^2/NDF : 454490.7/20

All: 4191.670+/-0.704 χ^2/NDF : 1732862.8/42

- sign 3995.751+/-0.953 χ^2/NDF : 1185384.7/21

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1842.914+/-713.221 χ^2/NDF : 10.3/16

Left Out: 2782.030+/-1420.390 χ^2/NDF : 6.7/3

Right Out: -2154.577+/-686.055 χ^2/NDF : 18.6/18

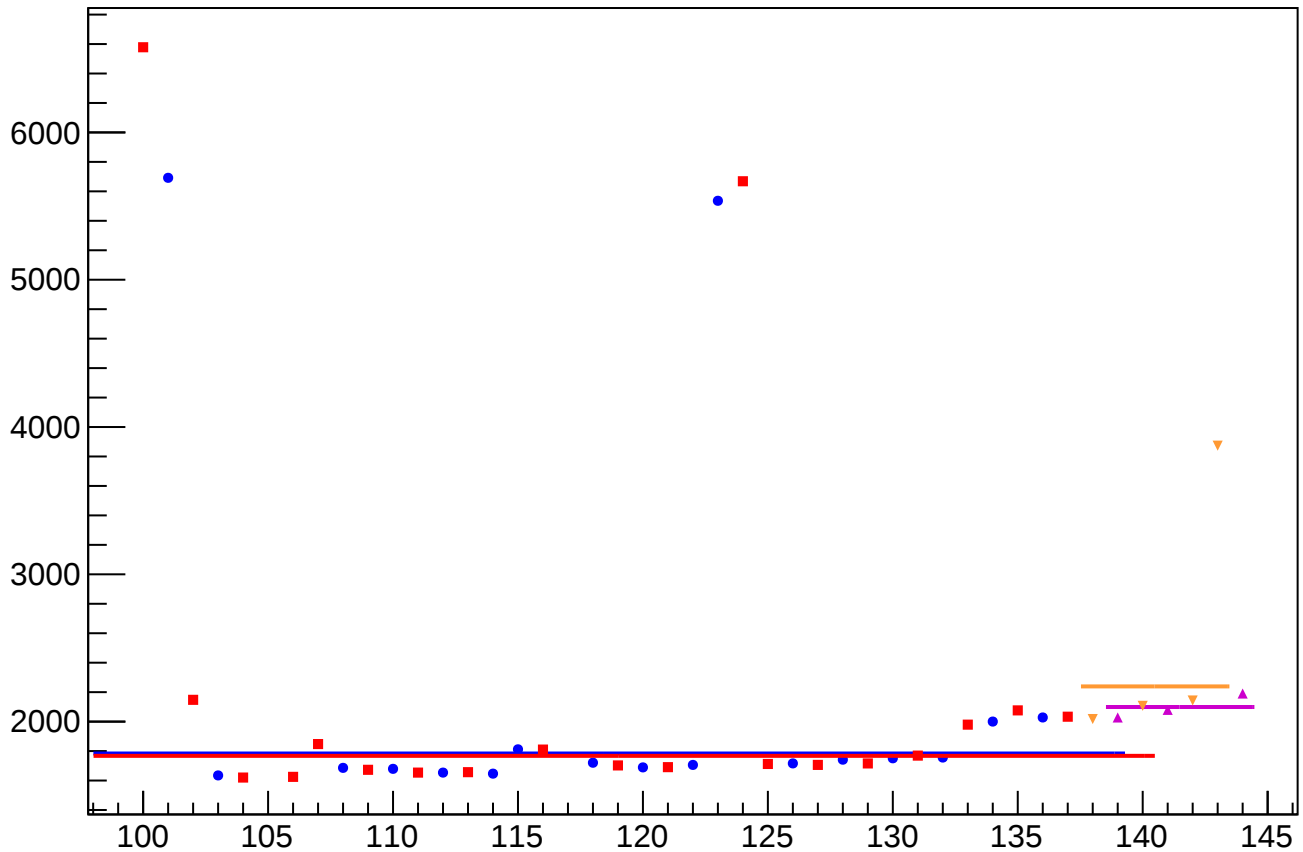
Left In: -5086.218+/-1349.915 χ^2/NDF : 1.0/2

+ sign 2032.019+/-637.380 χ^2/NDF : 17.3/20

All: -460.955+/-441.300 χ^2/NDF : 70.0/42

- sign -2756.355+/-611.602 χ^2/NDF : 23.3/21

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1783.480+/-0.504 χ^2/NDF : 644626.7/16

Left Out: 2238.956+/-1.004 χ^2/NDF : 262095.2/3

Right Out: 1767.629+/-0.482 χ^2/NDF : 306027.2/18

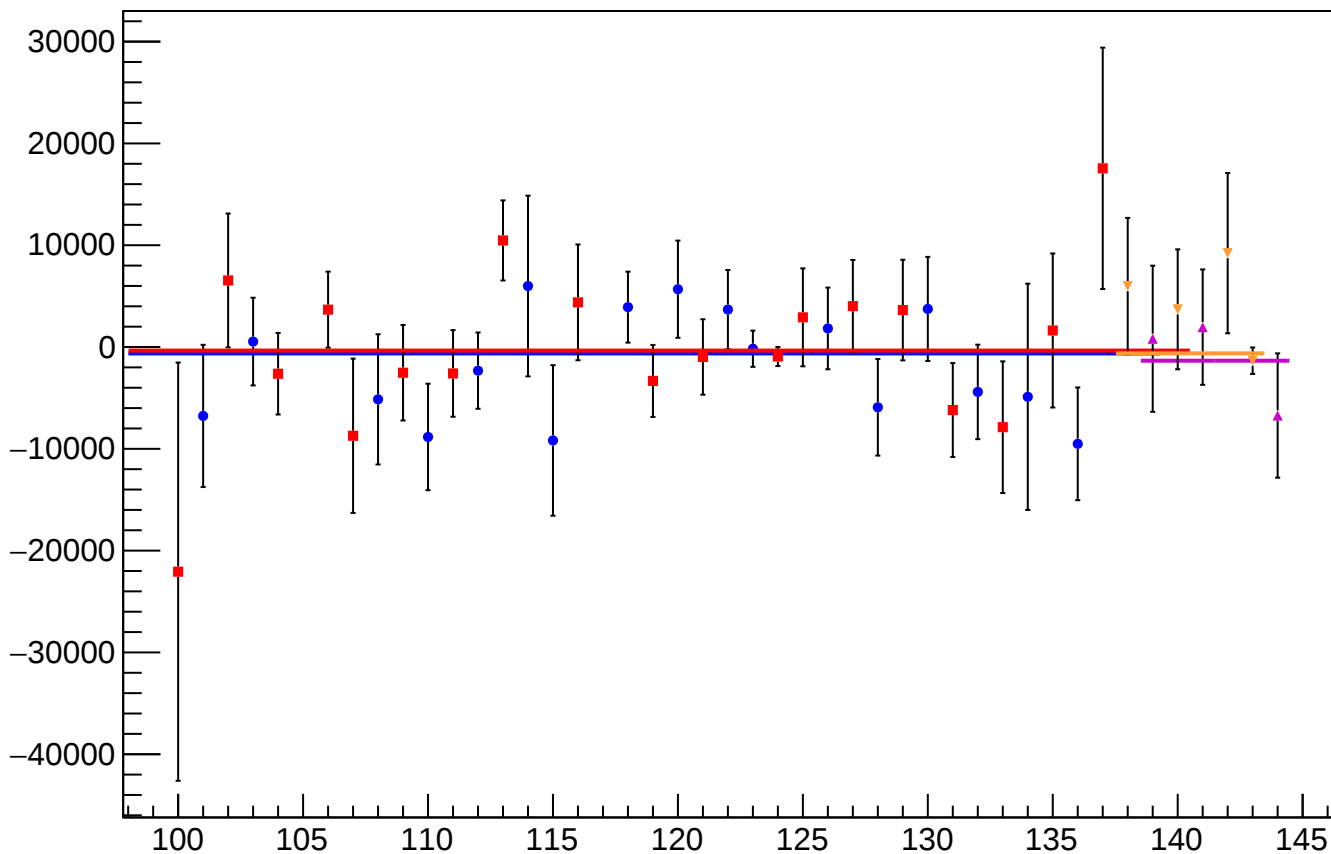
Left In: 2099.222+/-0.955 χ^2/NDF : 4896.2/2

+ sign 1875.197+/-0.451 χ^2/NDF : 1070967.7/20

All: 1854.133+/-0.311 χ^2/NDF : 1482241.1/42

- sign 1834.951+/-0.430 χ^2/NDF : 407100.1/21

asym_atr1l2_avg_correction_mean vs Slug



Right In: -628.255 ± 1010.986 χ^2/NDF : 16.4/16

Left Out: -618.205 ± 1231.058 χ^2/NDF : 3.4/3

Right Out: -347.826 ± 725.877 χ^2/NDF : 22.1/18

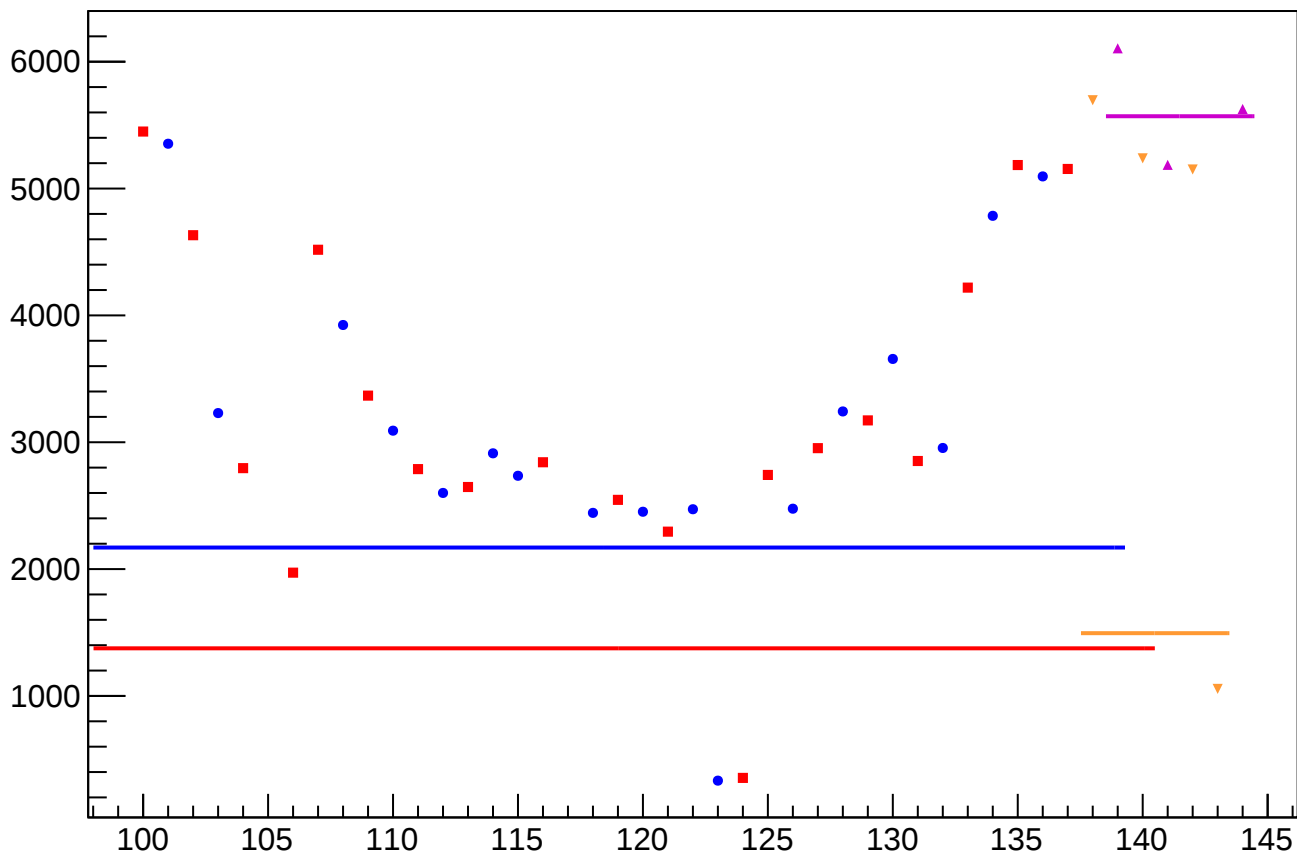
Left In: -1343.200 ± 3595.305 χ^2/NDF : 1.2/2

+ sign -624.207 ± 781.290 χ^2/NDF : 19.8/20

All: -494.438 ± 526.061 χ^2/NDF : 43.2/42

- sign -386.811 ± 711.520 χ^2/NDF : 23.4/21

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2169.912 $\pm$ 0.715 χ^2/NDF : 3978081.8/16

Left Out: 1494.814 $\pm$ 0.870 χ^2/NDF : 2253147.3/3

Right Out: 1375.364 $\pm$ 0.513 χ^2/NDF : 6838676.6/18

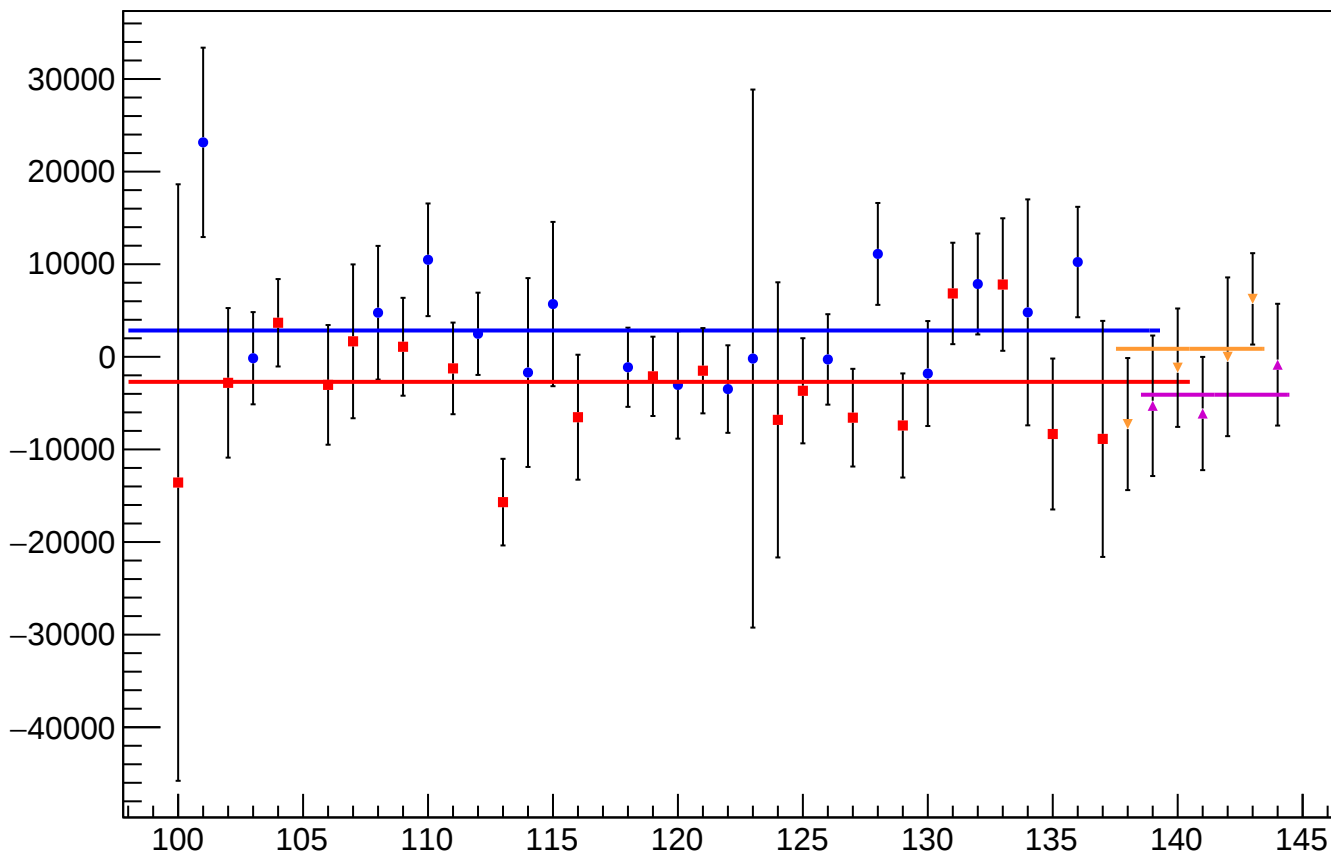
Left In: 5570.104 $\pm$ 2.542 χ^2/NDF : 20444.7/2

+ sign 1897.996 $\pm$ 0.552 χ^2/NDF : 6590432.2/20

All: 1702.113 $\pm$ 0.372 χ^2/NDF : 16295416.4/4

- sign 1539.652 $\pm$ 0.503 χ^2/NDF : 9474997.9/21

asym_atr1l2_avg_mean vs Slug



Right In: 2842.572 $\pm$ 1452.178 χ^2 /NDF: 15.7/16

Left Out: 865.506 $\pm$ 3181.221 χ^2 /NDF:2.6/3

Right Out: -2702.572 $\pm$ 1382.936 χ^2 /NDF: 18.2/18

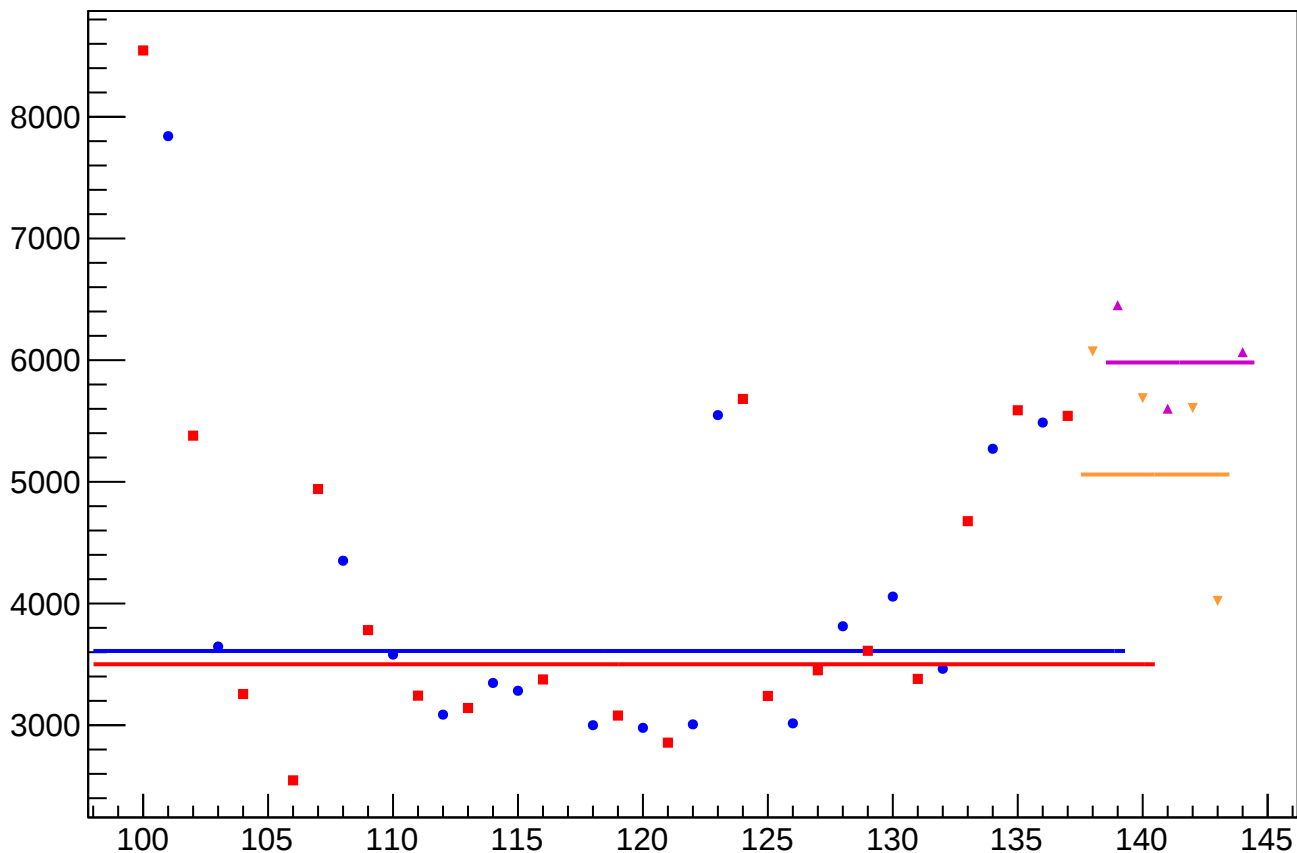
Left In: -4093.118 $\pm$ 3855.952 χ^2 /NDF:0.4/2

+ sign 2501.638 $\pm$ 1321.047 χ^2 /NDF: 18.6/20

All: -219.169 $\pm$ 927.222 χ^2 /NDF: 45.7/42

- sign -2861.053 $\pm$ 1301.746 χ^2 /NDF: 18.7/21

asym_atr1l2_avg_rms vs Slug



Right In: 3610.008+/-1.027 χ^2 /NDF: 783187.3/16

Left Out: 5060.335+/-2.249 χ^2 /NDF:156341.8/3

Right Out: 3500.718+/-0.964 χ^2 /NDF: 661555.5/18

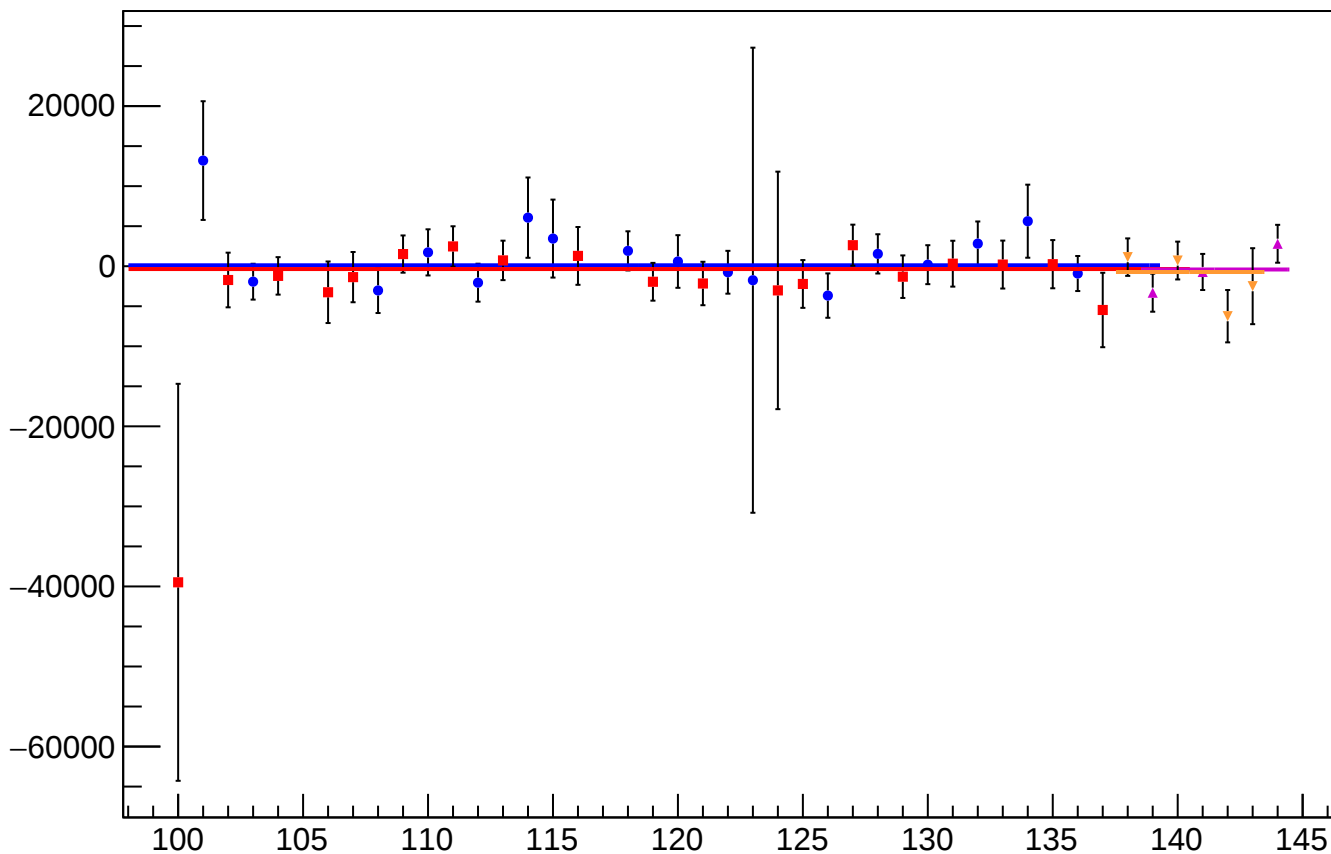
Left In: 5981.051+/-2.727 χ^2 /NDF:15752.1/2

+ sign 3860.106+/-0.934 χ^2 /NDF: 1283539.7/20

All: 3817.130+/-0.651 χ^2 /NDF: 2700516.8/42

- sign 3776.429+/-0.909 χ^2 /NDF: 1412855.7/21

reg_asym_atr1l2_dd_mean vs Slug



Right In: 115.789 $\pm$ 711.081 χ^2 /NDF: 13.7/16

Left Out: -722.927 $\pm$ 1414.987 χ^2 /NDF: 4.0/3

Right Out: -353.491 $\pm$ 683.689 χ^2 /NDF: 9.9/18

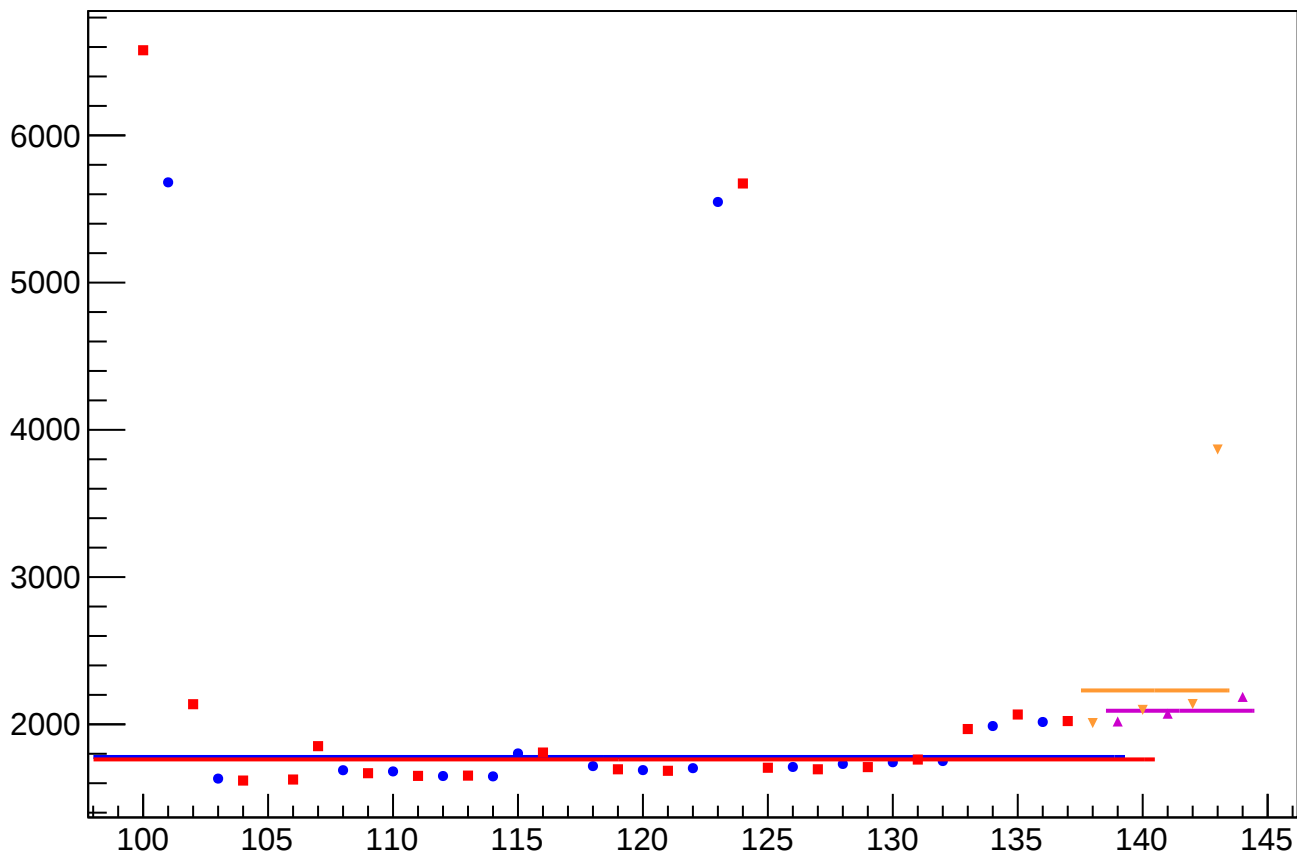
Left In: -409.562 $\pm$ 1345.372 χ^2 /NDF: 3.4/2

+ sign -53.316 $\pm$ 635.365 χ^2 /NDF: 18.0/20

All: -215.630 $\pm$ 439.842 χ^2 /NDF: 31.4/42

- sign -364.999 $\pm$ 609.503 χ^2 /NDF: 13.3/21

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1778.202 $\pm$ 0.503 χ^2 /NDF: 642982.9/16

Left Out: 2230.069 $\pm$ 1.001 χ^2 /NDF: 263620.8/3

Right Out: 1761.653 $\pm$ 0.480 χ^2 /NDF: 305365.0/18

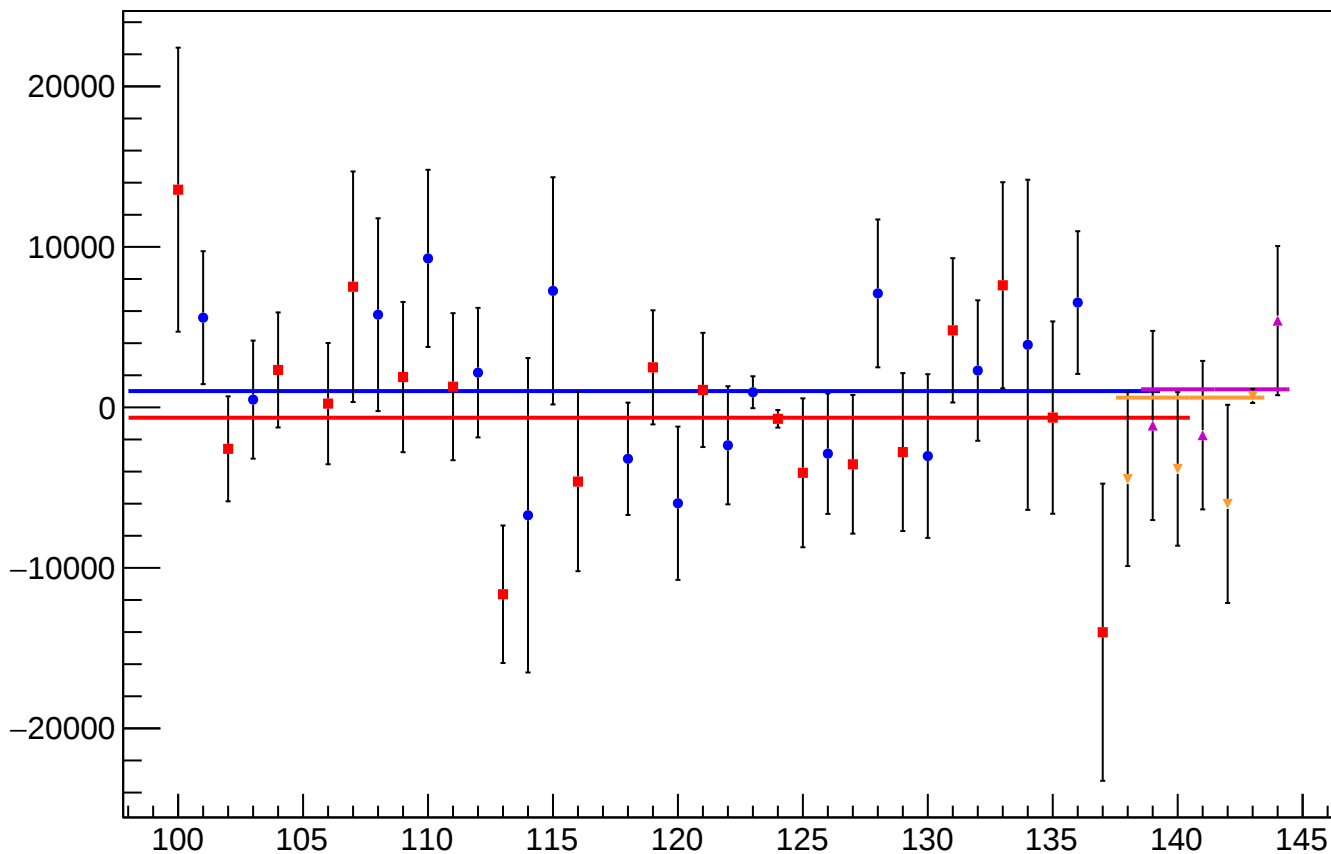
Left In: 2092.185 $\pm$ 0.951 χ^2 /NDF: 5197.4/2

+ sign 1869.309 $\pm$ 0.449 χ^2 /NDF: 1069440.8/20

All: 1848.079 $\pm$ 0.310 χ^2 /NDF: 1480479.1/42

- sign 1828.755 $\pm$ 0.429 χ^2 /NDF: 406773.1/21

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1015.864 $\pm$ 753.323 χ^2 /NDF: 15.2/16

Left Out: 608.022 $\pm$ 434.576 χ^2 /NDF: 2.9/3

Right Out: -643.706 $\pm$ 488.275 χ^2 /NDF: 20.0/18

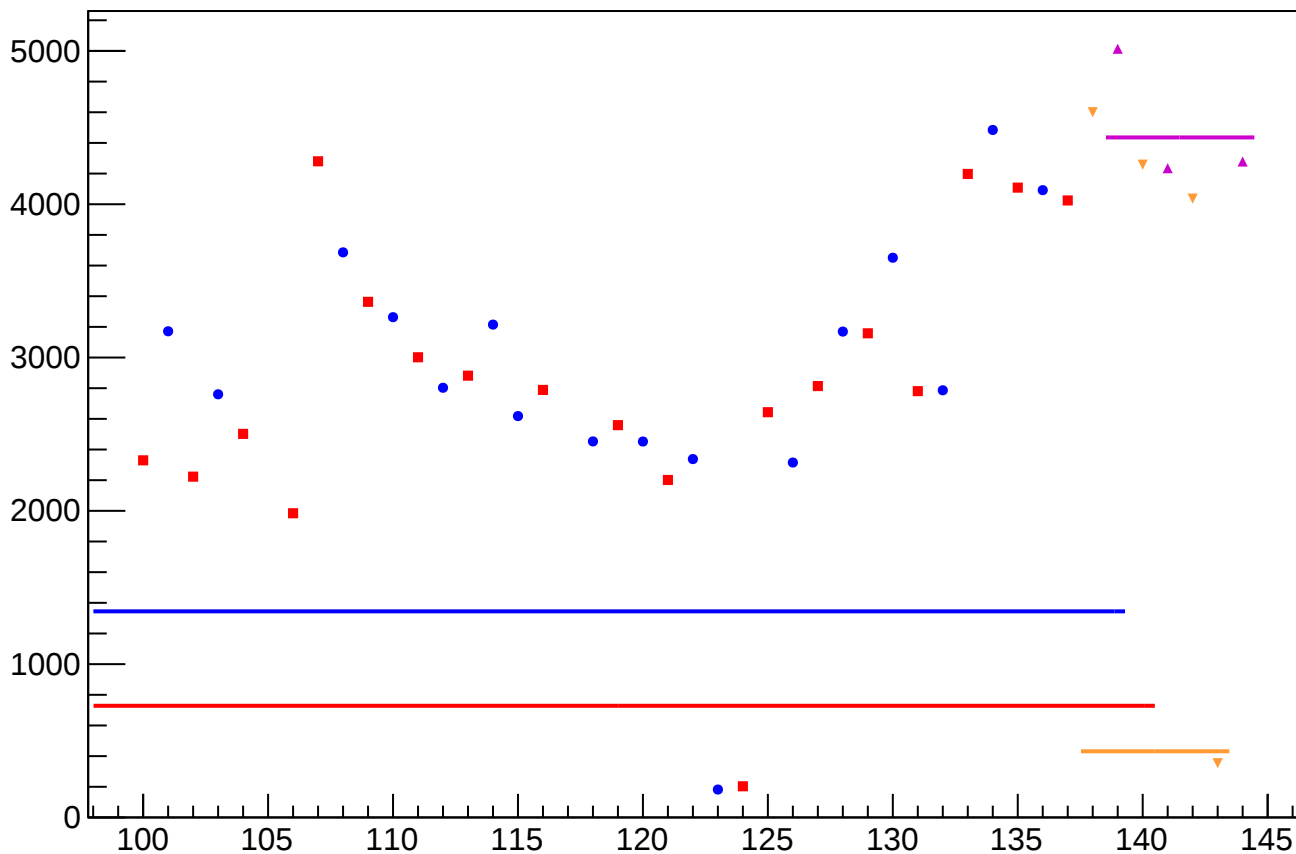
Left In: 1125.455 $\pm$ 2864.912 χ^2 /NDF: 1.4/2

+ sign 709.857 $\pm$ 376.431 χ^2 /NDF: 18.4/20

All: 215.127 $\pm$ 296.520 χ^2 /NDF: 44.6/42

- sign -593.767 $\pm$ 481.334 χ^2 /NDF: 21.7/21

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1344.476+/-0.533 χ^2/NDF : 6835525.9/16

Left Out: 431.672+/-0.307 χ^2/NDF : 3206144.6/3

Right Out: 728.423+/-0.345 χ^2/NDF : 9480438.9/18

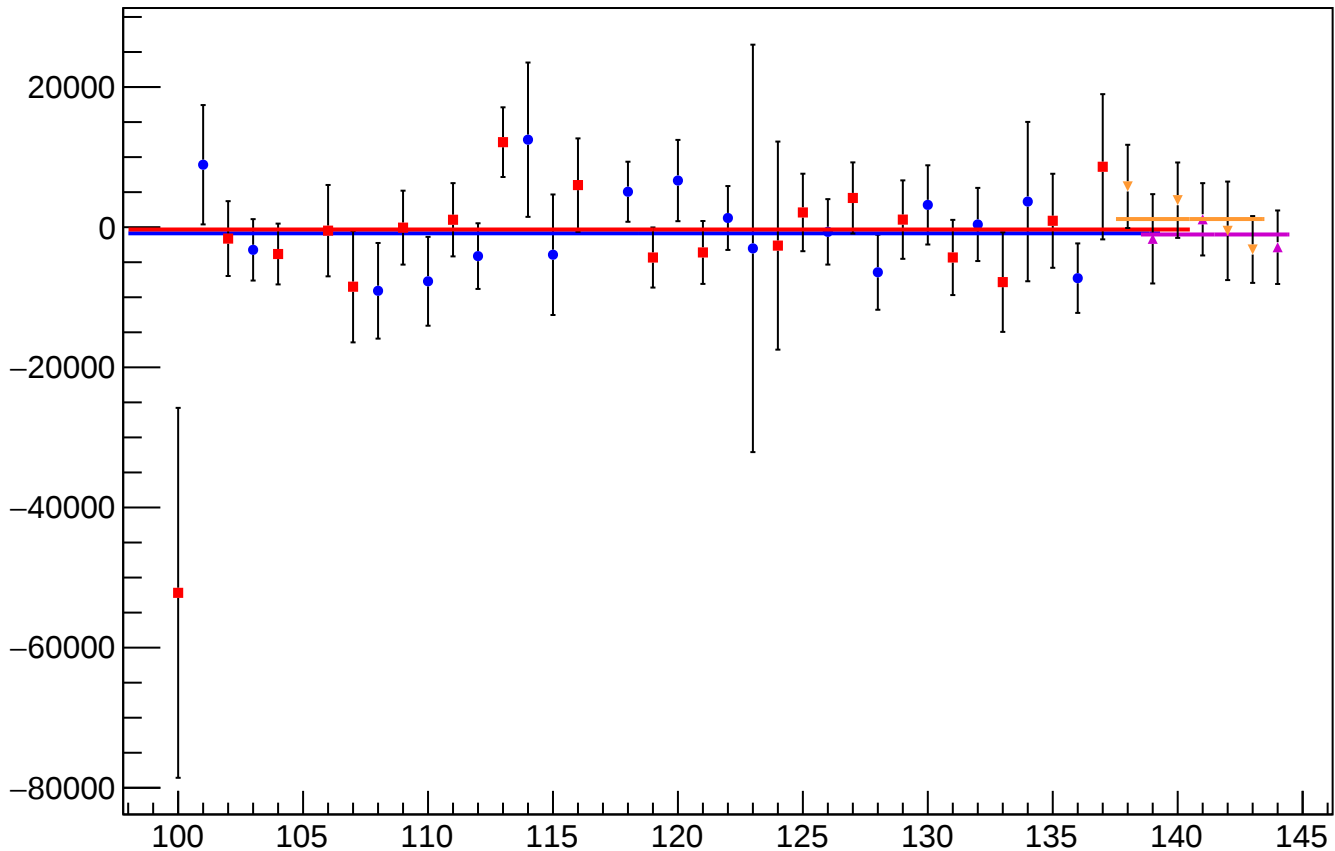
Left In: 4435.829+/-2.026 χ^2/NDF : 25326.3/2

+ sign 659.593+/-0.266 χ^2/NDF : 12244905.6/20

All: 725.430+/-0.210 χ^2/NDF : 25166585.6/42

- sign 833.073+/-0.340 χ^2/NDF : 12760477.2/21

asym_atr1l2_dd_mean vs Slug



Right In: -874.074 ± 1400.106 χ^2/NDF : 13.6/16

Left Out: 1162.709 ± 2804.283 χ^2/NDF : 1.8/3

Right Out: -328.412 ± 1333.346 χ^2/NDF : 17.8/18

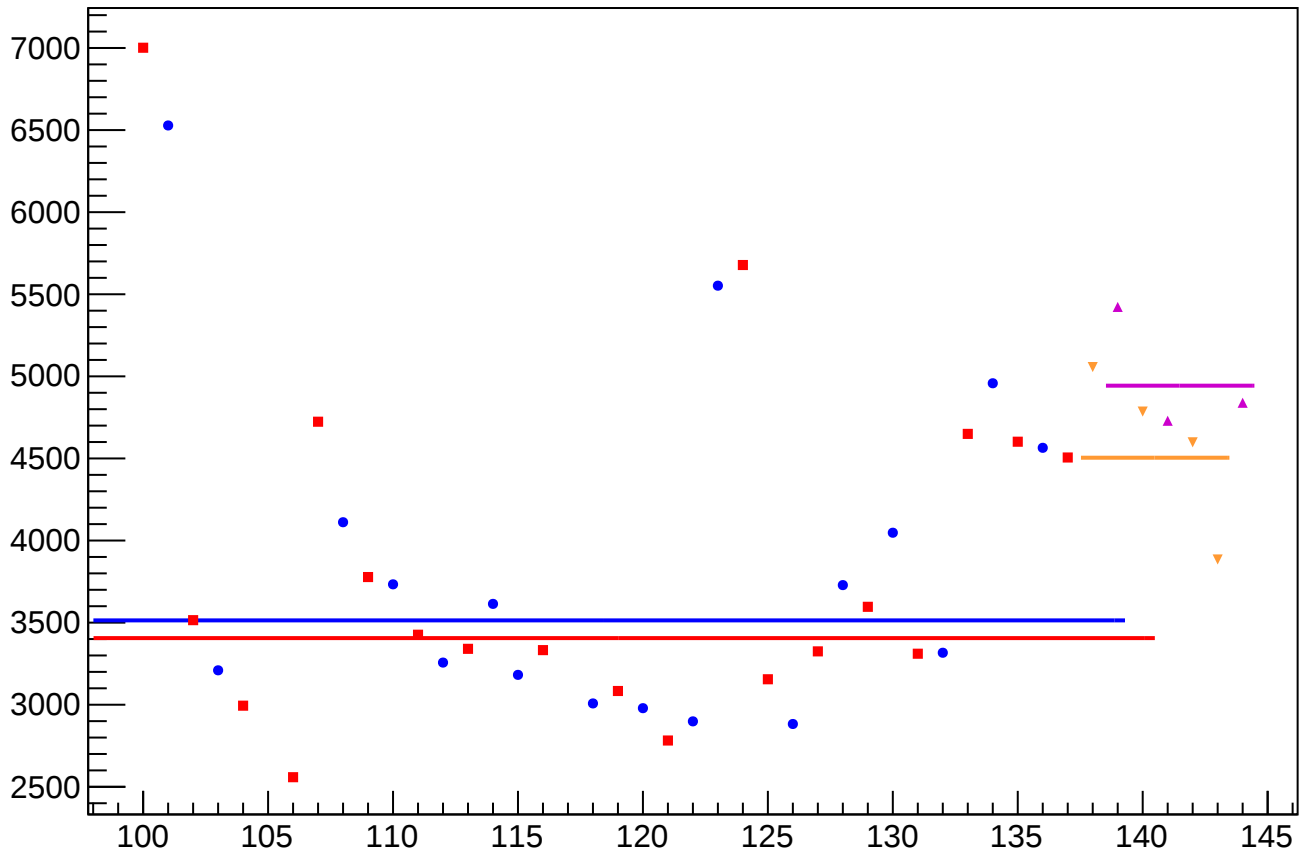
Left In: -1040.317 ± 3185.995 χ^2/NDF : 0.3/2

+ sign -467.664 ± 1252.656 χ^2/NDF : 15.8/20

All: -450.786 ± 877.634 χ^2/NDF : 33.9/42

- sign -434.514 ± 1229.978 χ^2/NDF : 18.2/21

asym_atr1l2_dd_rms vs Slug



Right In: 3513.685+/-0.990 χ^2/NDF : 560775.0/16

Left Out: 4504.458+/-1.983 χ^2/NDF : 56923.1/3

Right Out: 3405.768+/-0.931 χ^2/NDF : 428480.7/18

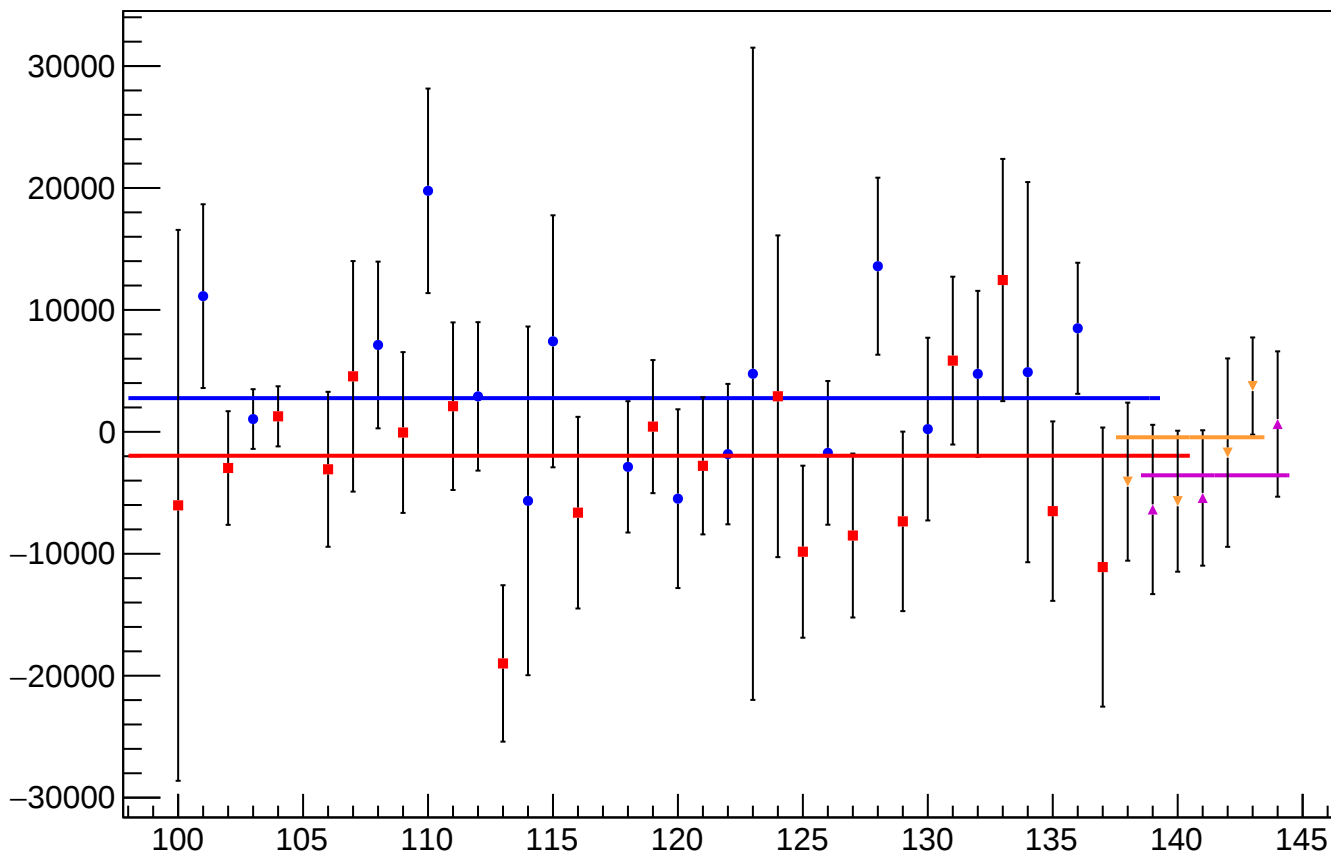
Left In: 4943.239+/-2.253 χ^2/NDF : 15544.6/2

+ sign 3711.378+/-0.886 χ^2/NDF : 817535.9/20

All: 3669.415+/-0.617 χ^2/NDF : 1663790.2/42

- sign 3629.852+/-0.860 χ^2/NDF : 841893.9/21

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2764.928+/-1455.950 χ^2/NDF : 13.9/16

Left Out: -444.655+/-2737.307 χ^2/NDF : 2.3/3

Right Out: -1959.806+/-1383.928 χ^2/NDF : 17.6/18

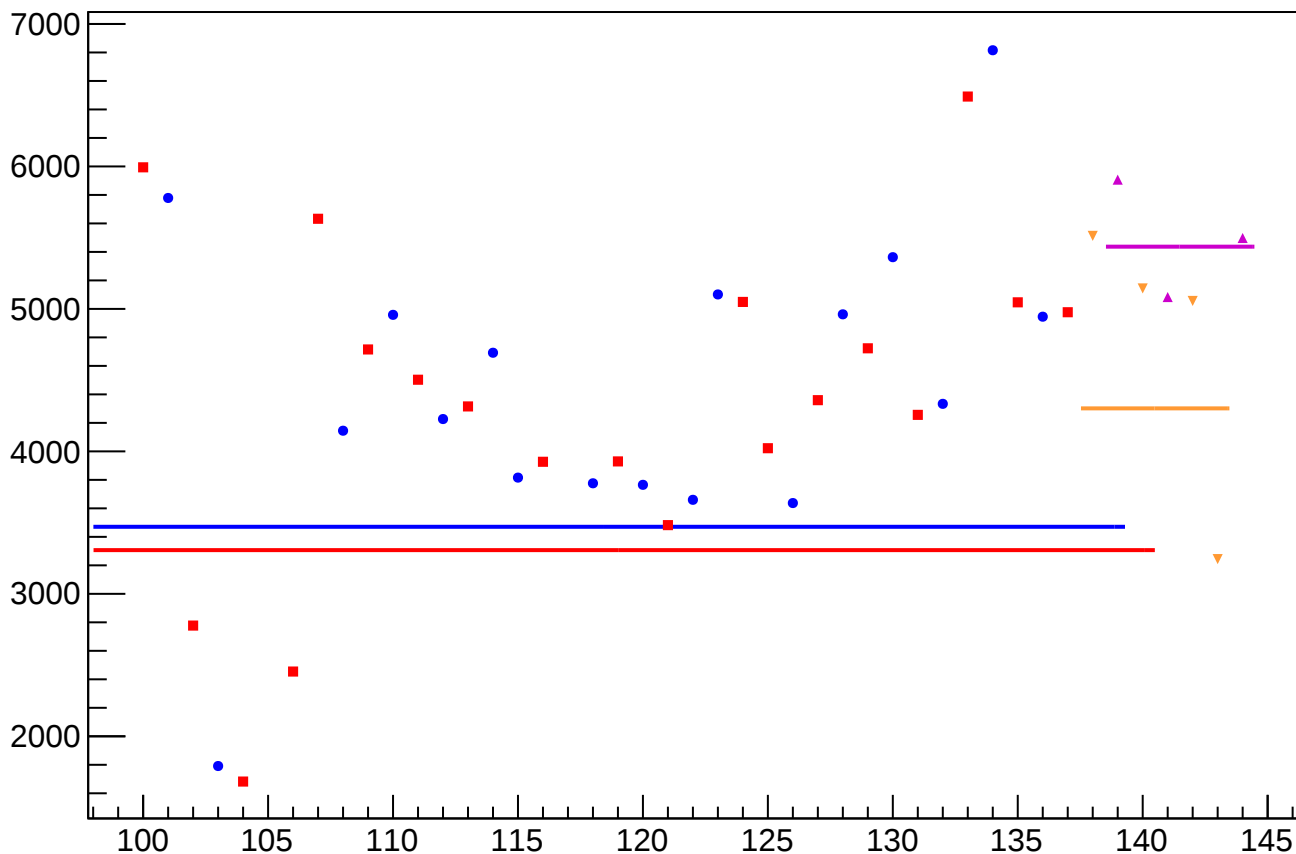
Left In: -3564.553+/-3506.579 χ^2/NDF : 0.8/2

+ sign 2057.148+/-1285.430 χ^2/NDF : 17.3/20

All: -56.390+/-909.596 χ^2/NDF : 41.3/42

- sign -2176.077+/-1287.299 χ^2/NDF : 18.6/21

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.650+/-1.029 χ^2/NDF : 1765892.2/16

Left Out: 4301.808+/-1.936 χ^2/NDF : 272297.6/3

Right Out: 3306.828+/-0.970 χ^2/NDF : 1911650.7/18

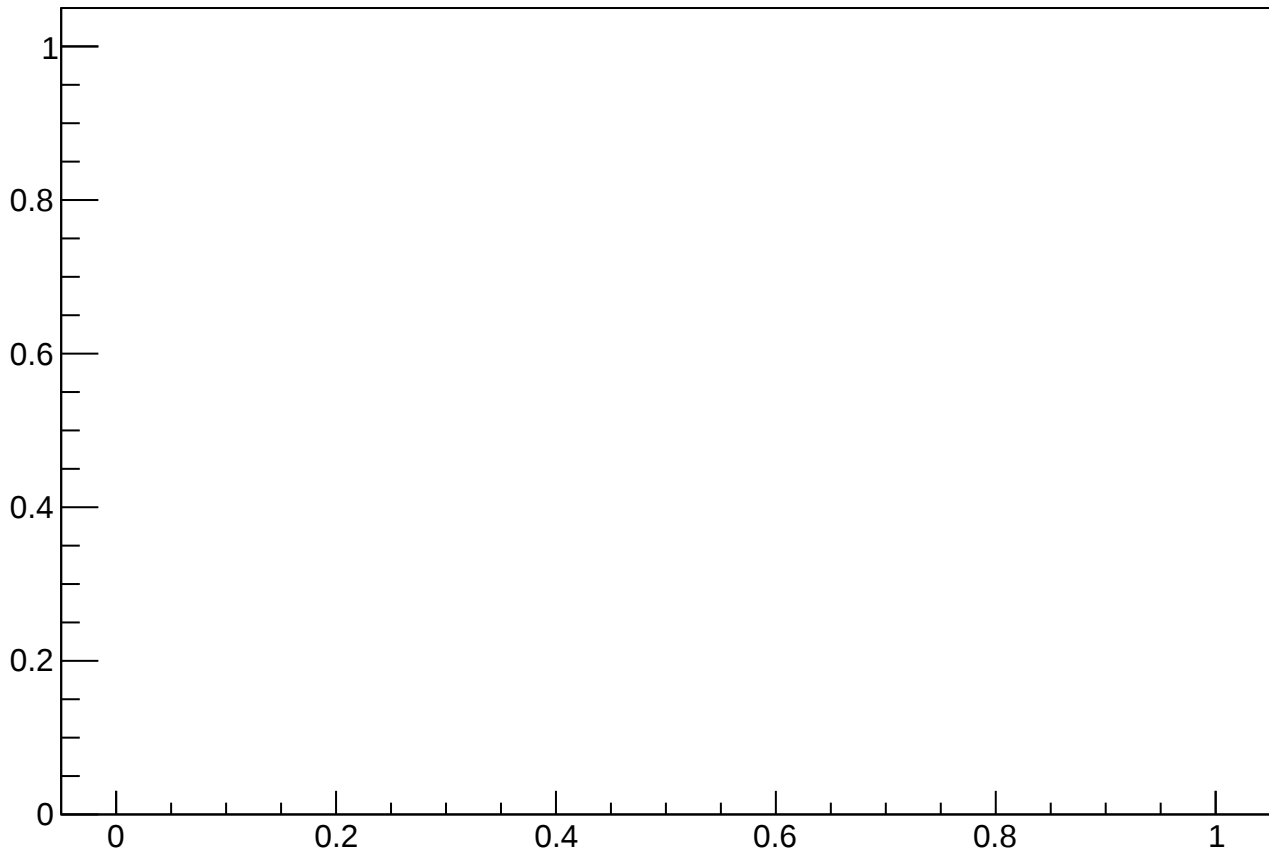
Left In: 5436.875+/-2.480 χ^2/NDF : 17504.1/2

+ sign 3653.931+/-0.909 χ^2/NDF : 2181923.8/20

All: 3621.430+/-0.641 χ^2/NDF : 4753711.2/42

- sign 3589.349+/-0.903 χ^2/NDF : 2569246.8/21

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

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

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

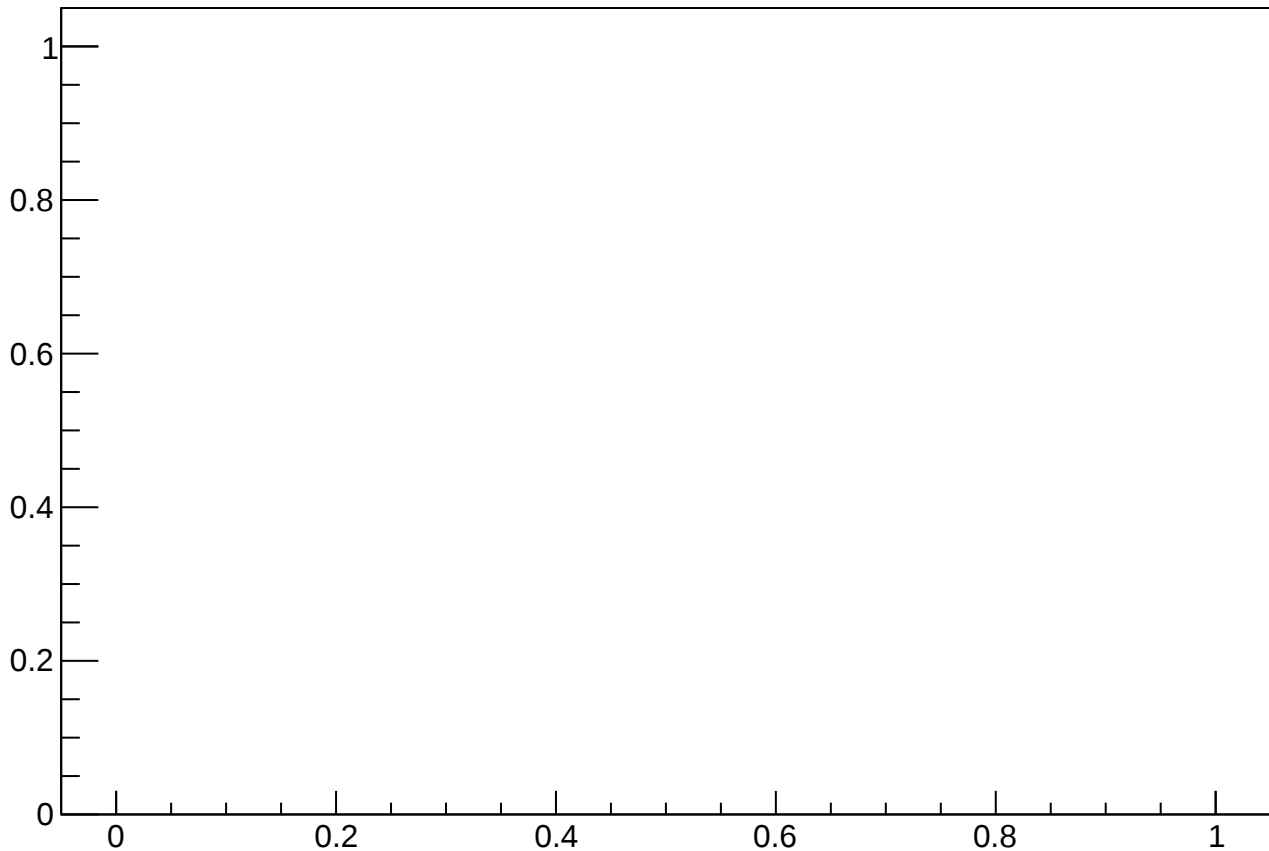
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



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

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

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

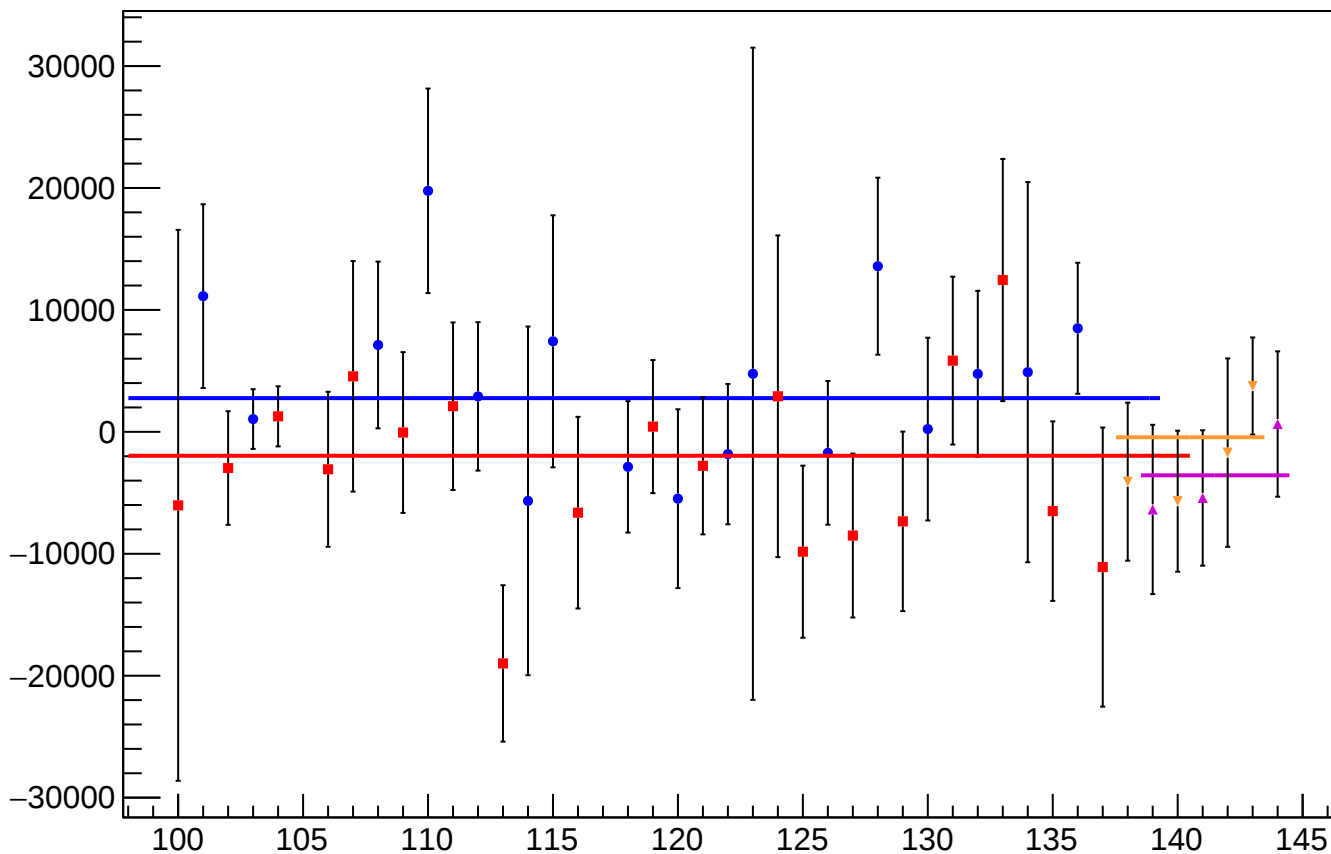
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2764.928+/-1455.950 χ^2/NDF : 13.9/16

Left Out: -444.655+/-2737.307 χ^2/NDF : 2.3/3

Right Out: -1959.806+/-1383.928 χ^2/NDF : 17.6/18

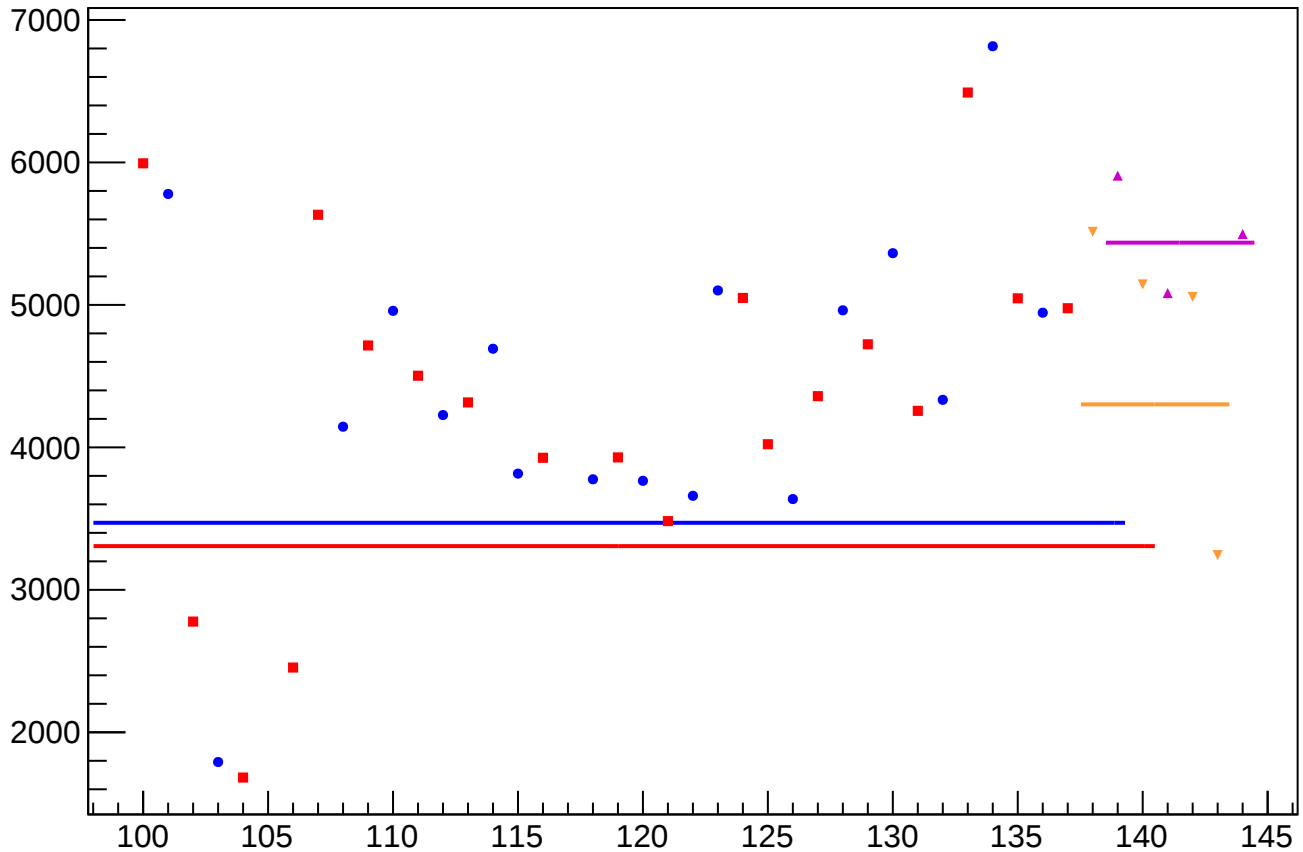
Left In: -3564.553+/-3506.579 χ^2/NDF : 0.8/2

+ sign 2057.148+/-1285.430 χ^2/NDF : 17.3/20

All: -56.390+/-909.596 χ^2/NDF : 41.3/42

- sign -2176.077+/-1287.299 χ^2/NDF : 18.6/21

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.650 $\pm$ 1.029 χ^2/NDF : 1765892.2/16

Left Out: 4301.808 $\pm$ 1.936 χ^2/NDF : 272297.6/3

Right Out: 3306.828 $\pm$ 0.970 χ^2/NDF : 1911650.7/18

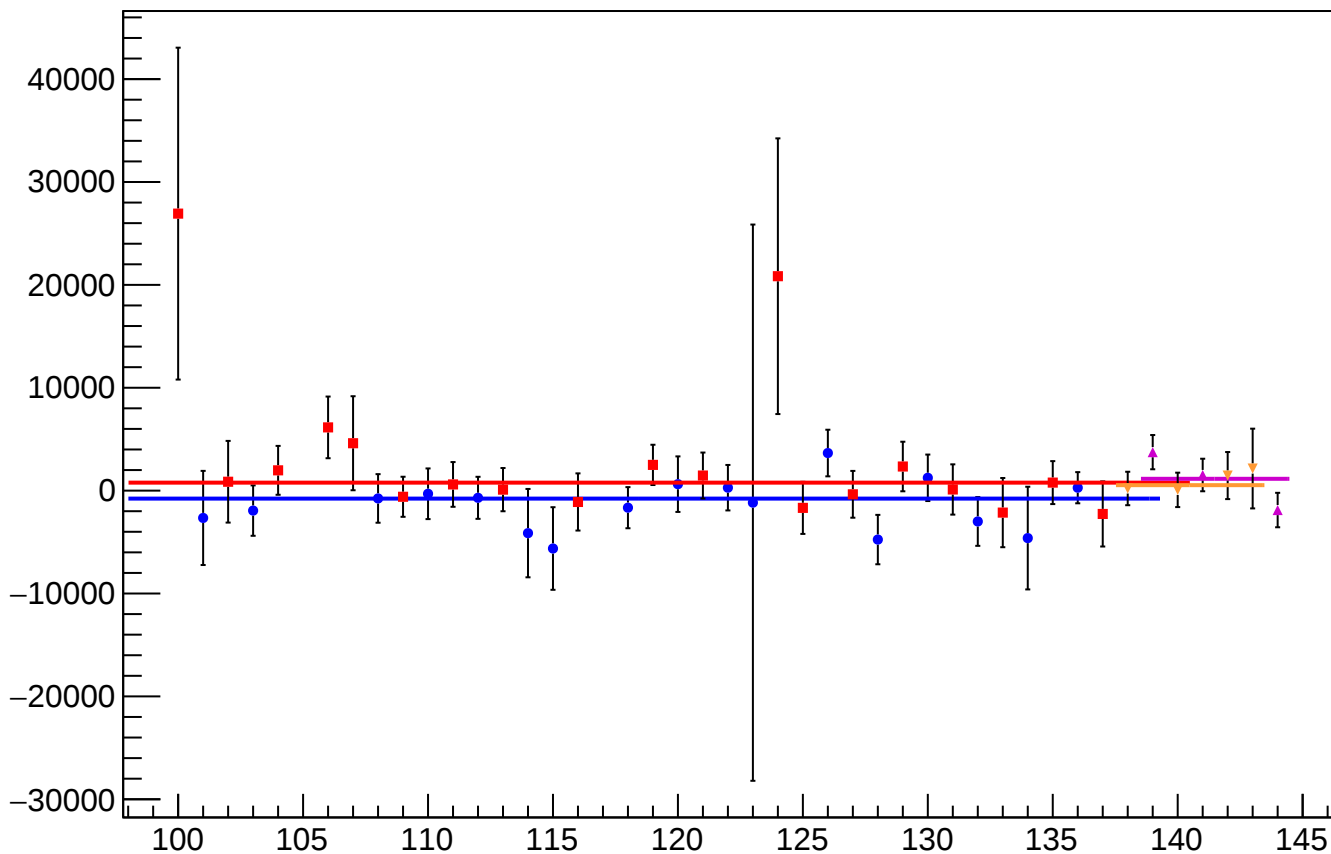
Left In: 5436.875 $\pm$ 2.480 χ^2/NDF : 17504.1/2

+ sign 3653.931 $\pm$ 0.909 χ^2/NDF : 2181923.8/20

All: 3621.430 $\pm$ 0.641 χ^2/NDF : 4753711.2/42

- sign 3589.349 $\pm$ 0.903 χ^2/NDF : 2569246.8/21

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -774.709+/-605.594 χ^2/NDF : 12.5/16

Left Out: 531.578+/-1003.298 χ^2/NDF : 0.5/3

Right Out: 776.735+/-596.676 χ^2/NDF : 14.3/18

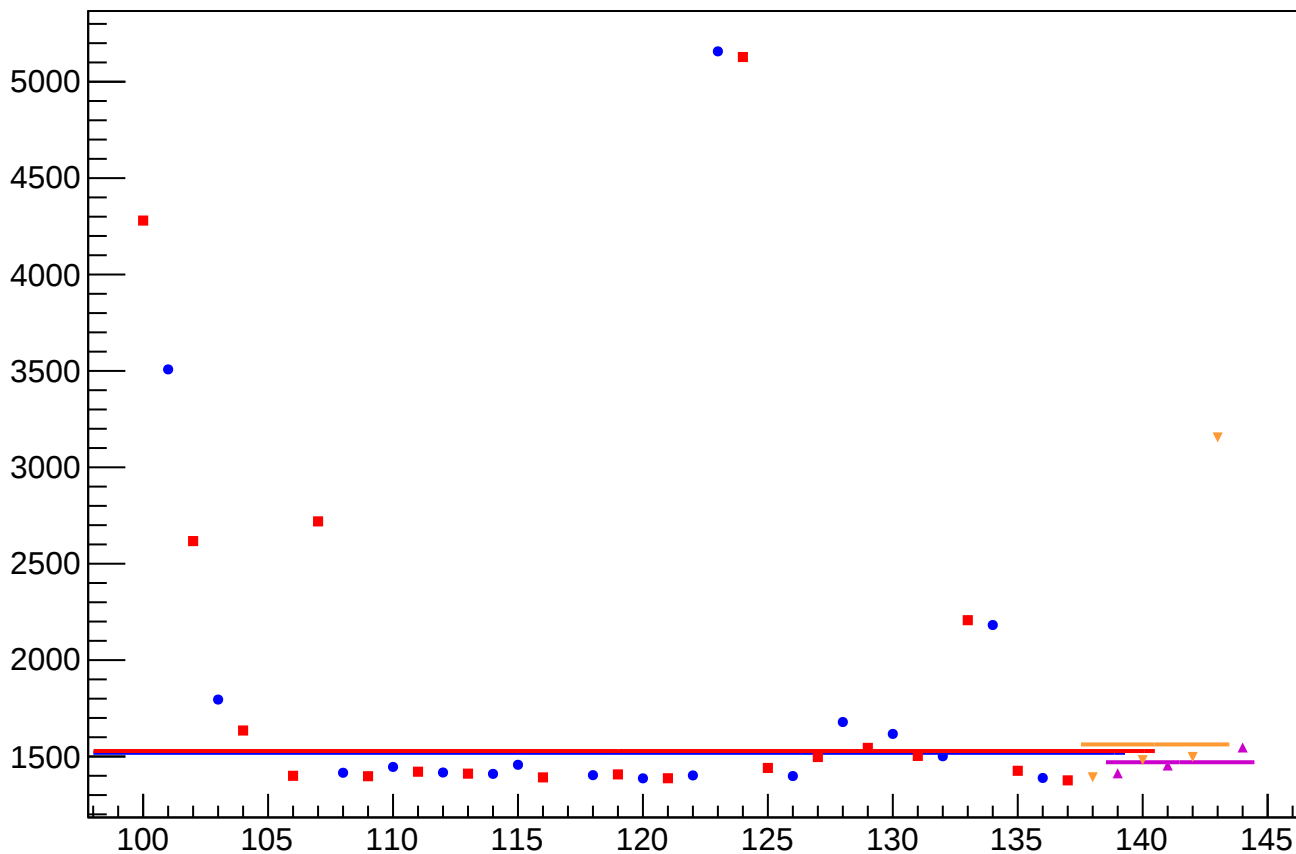
Left In: 1149.712+/-946.033 χ^2/NDF : 5.8/2

+ sign -425.874+/-518.467 χ^2/NDF : 14.2/20

All: 246.135+/-361.638 χ^2/NDF : 37.7/42

- sign 882.880+/-504.680 χ^2/NDF : 20.2/21

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1519.171+/-0.428 χ^2/NDF : 537680.2/16

Left Out: 1562.654+/-0.709 χ^2/NDF : 365873.5/3

Right Out: 1528.435+/-0.422 χ^2/NDF : 631166.4/18

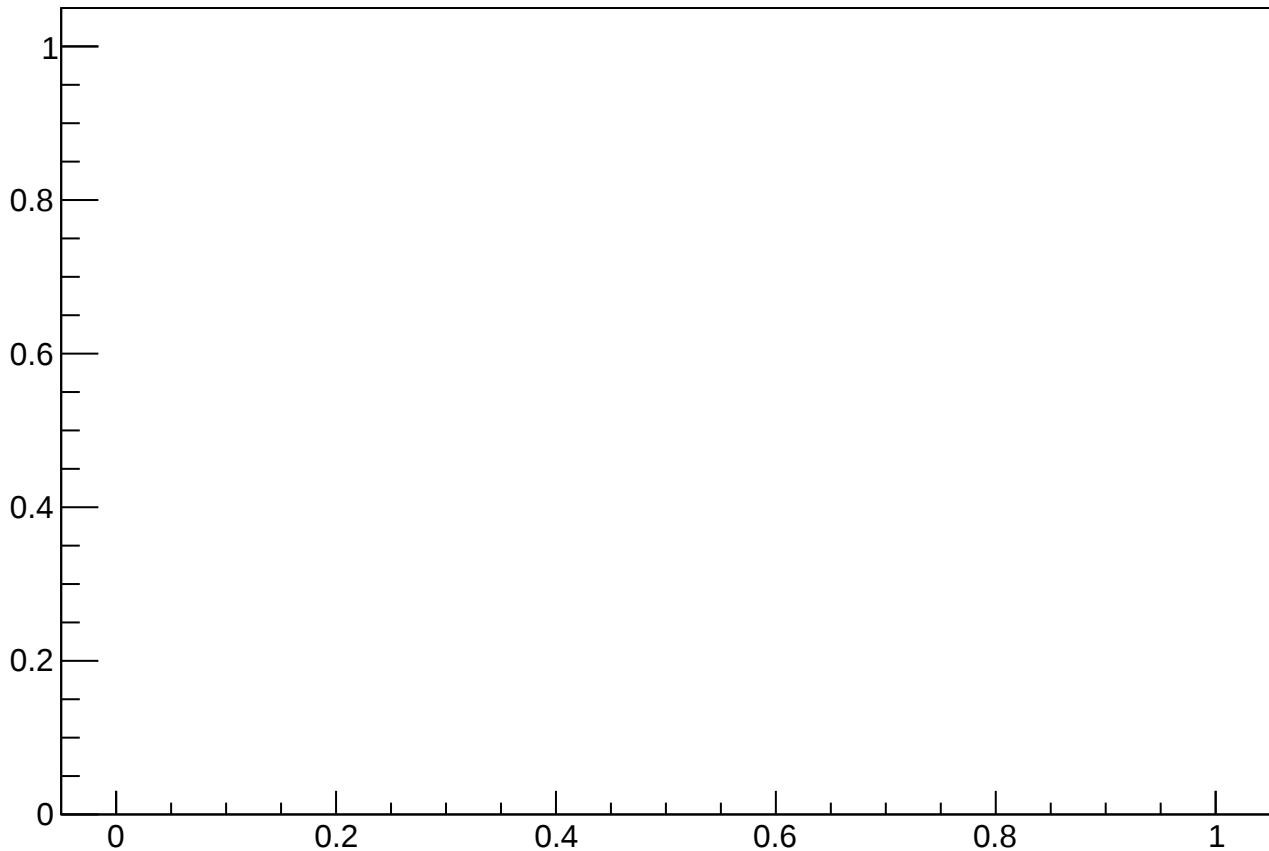
Left In: 1470.264+/-0.669 χ^2/NDF : 6787.2/2

+ sign 1530.783+/-0.367 χ^2/NDF : 906307.1/20

All: 1521.077+/-0.256 χ^2/NDF : 1551035.7/42

- sign 1511.880+/-0.357 χ^2/NDF : 643363.6/21

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



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

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

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

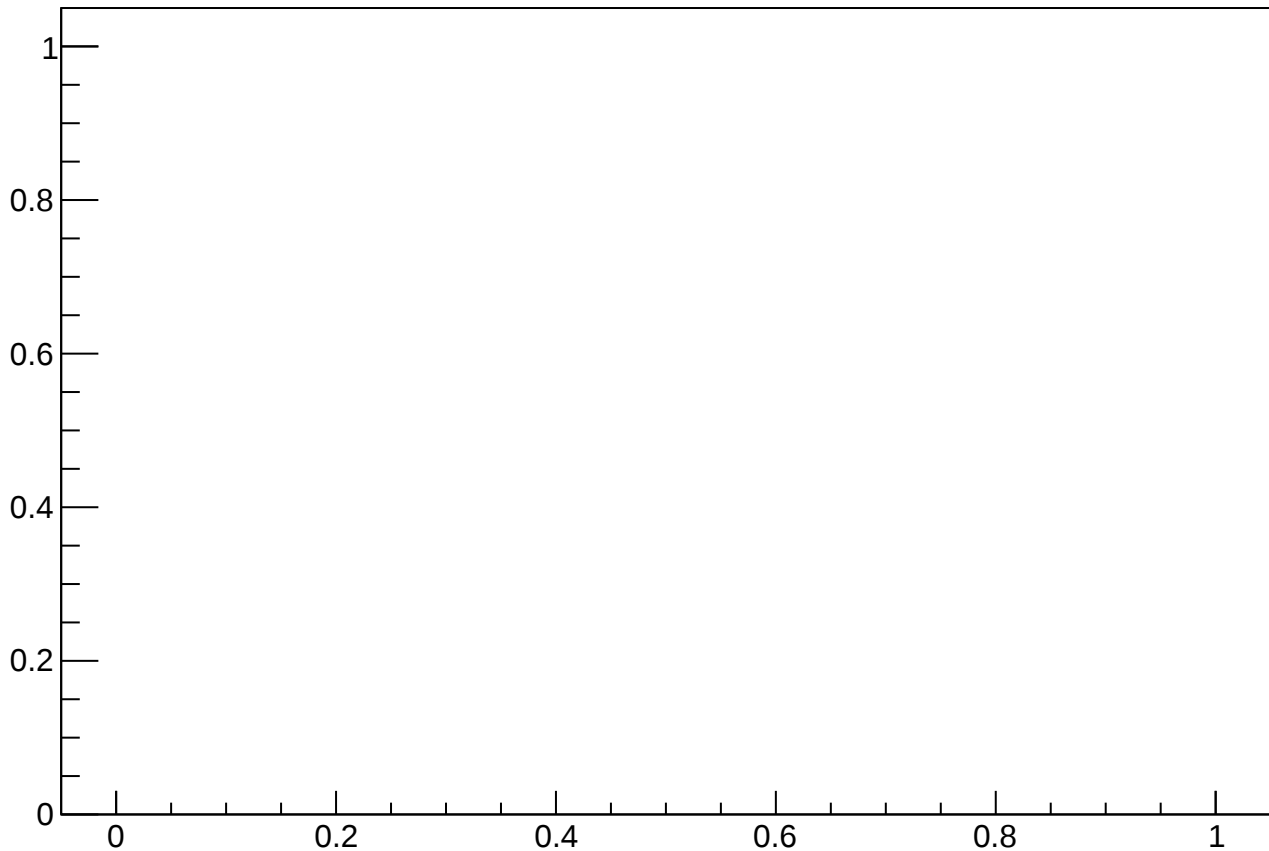
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



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

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

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

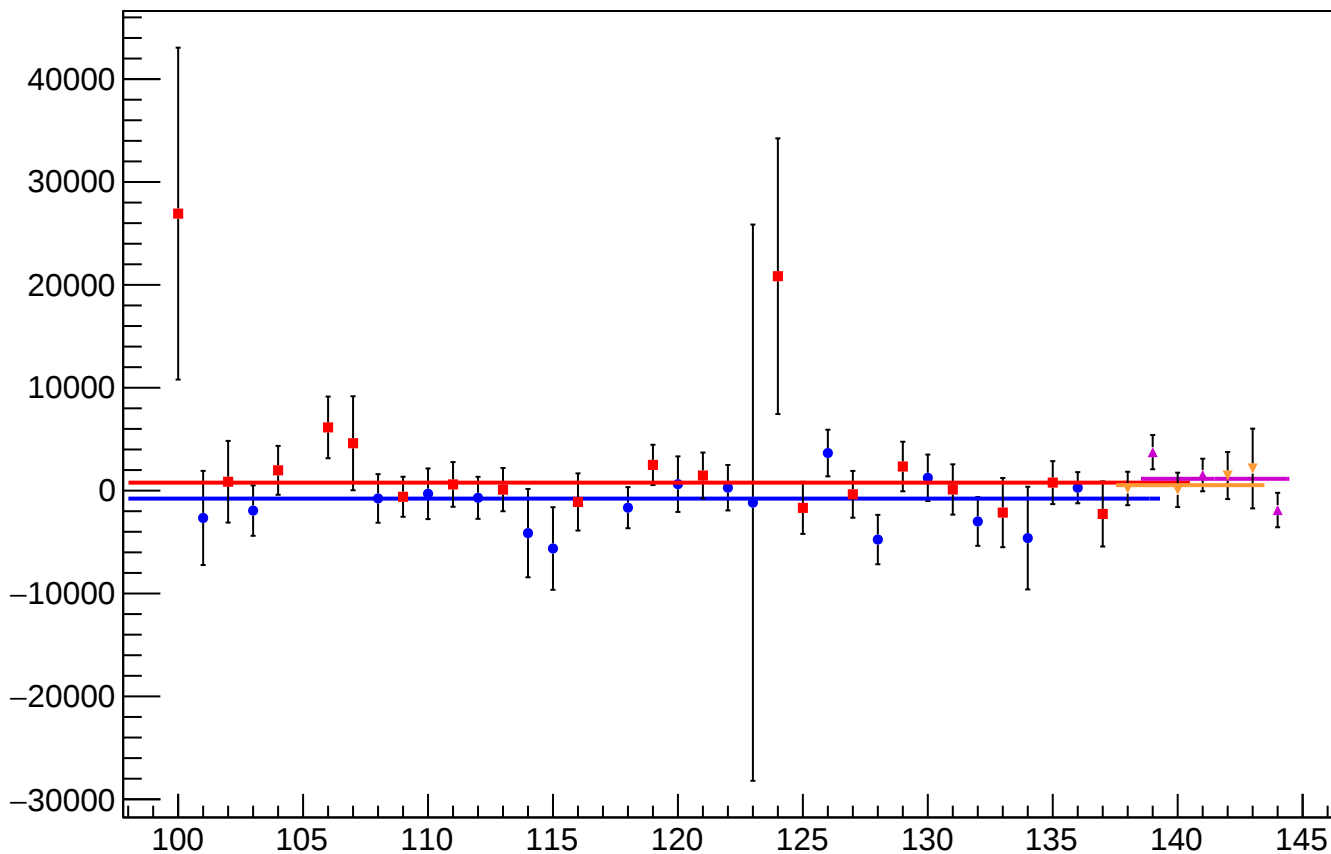
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -774.709+/-605.594 χ^2/NDF : 12.5/16

Left Out: 531.578+/-1003.298 χ^2/NDF : 0.5/3

Right Out: 776.735+/-596.676 χ^2/NDF : 14.3/18

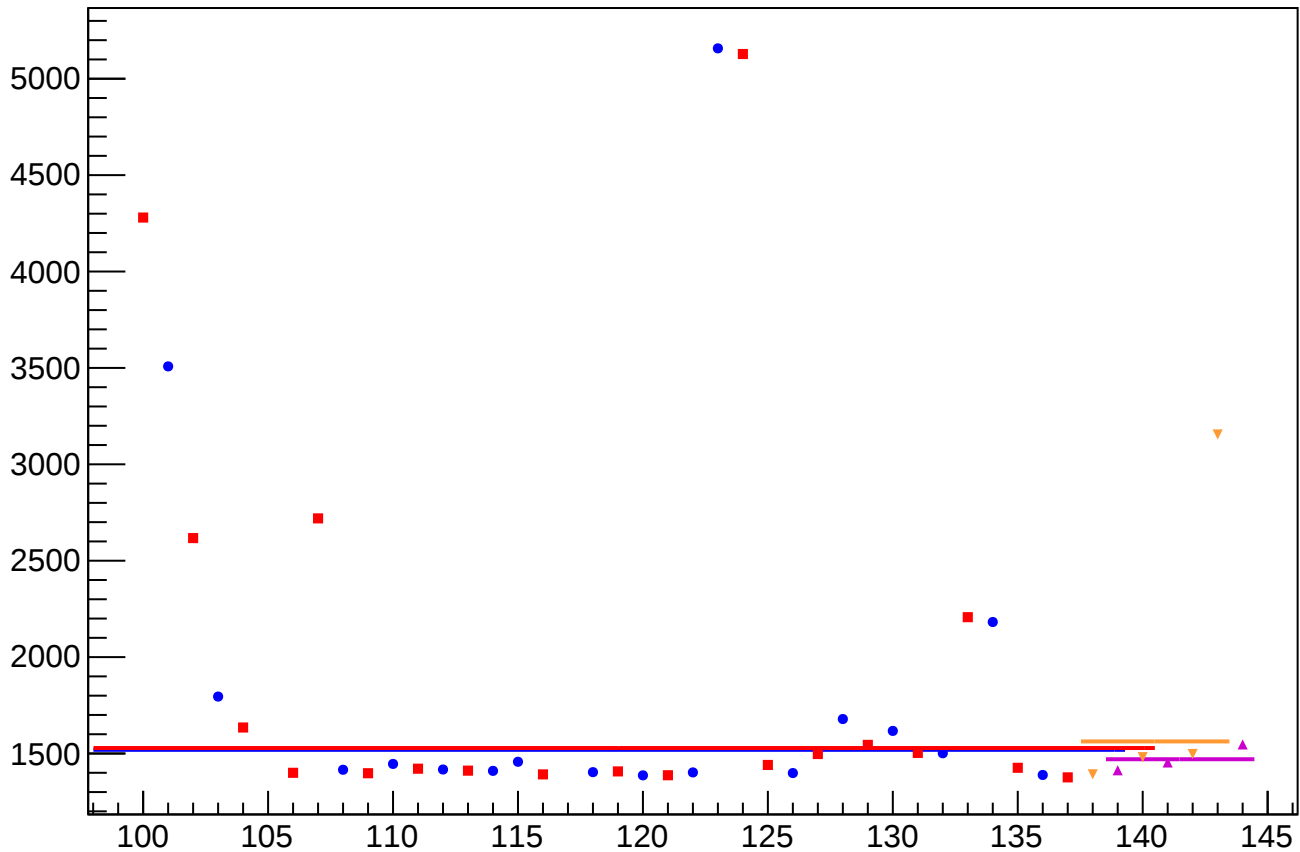
Left In: 1149.712+/-946.033 χ^2/NDF : 5.8/2

+ sign -425.874+/-518.467 χ^2/NDF : 14.2/20

All: 246.135+/-361.638 χ^2/NDF : 37.7/42

- sign 882.880+/-504.680 χ^2/NDF : 20.2/21

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1519.171+/-0.428 χ^2 /NDF: 537680.2/16

Left Out: 1562.654+/-0.709 χ^2 /NDF:365873.5/3

+ sign 1530.783+/-0.367 χ^2 /NDF: 906307.1/20

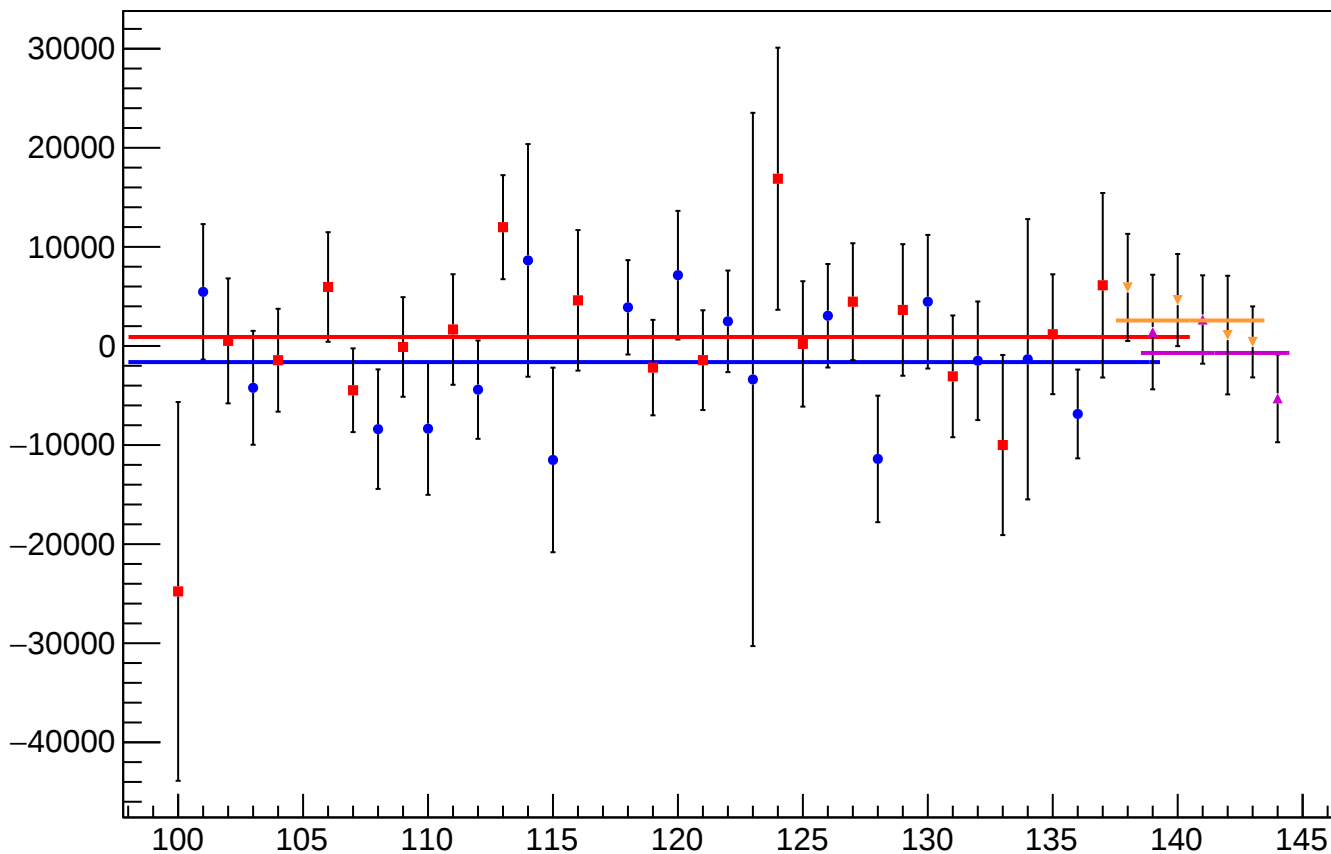
Right Out: 1528.435+/-0.422 χ^2 /NDF: 631166.4/18

All: 1521.077+/-0.256 χ^2 /NDF: 1551035.7/42

- sign 1511.880+/-0.357 χ^2 /NDF: 643363.6/21

Left In: 1470.264+/-0.669 χ^2 /NDF:6787.2/2

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1626.973+/-1517.678 χ^2/NDF : 14.9/16

Left Out: 2572.488+/-2316.733 χ^2/NDF : 1.0/3

Right Out: 908.006+/-1381.849 χ^2/NDF : 14.1/18

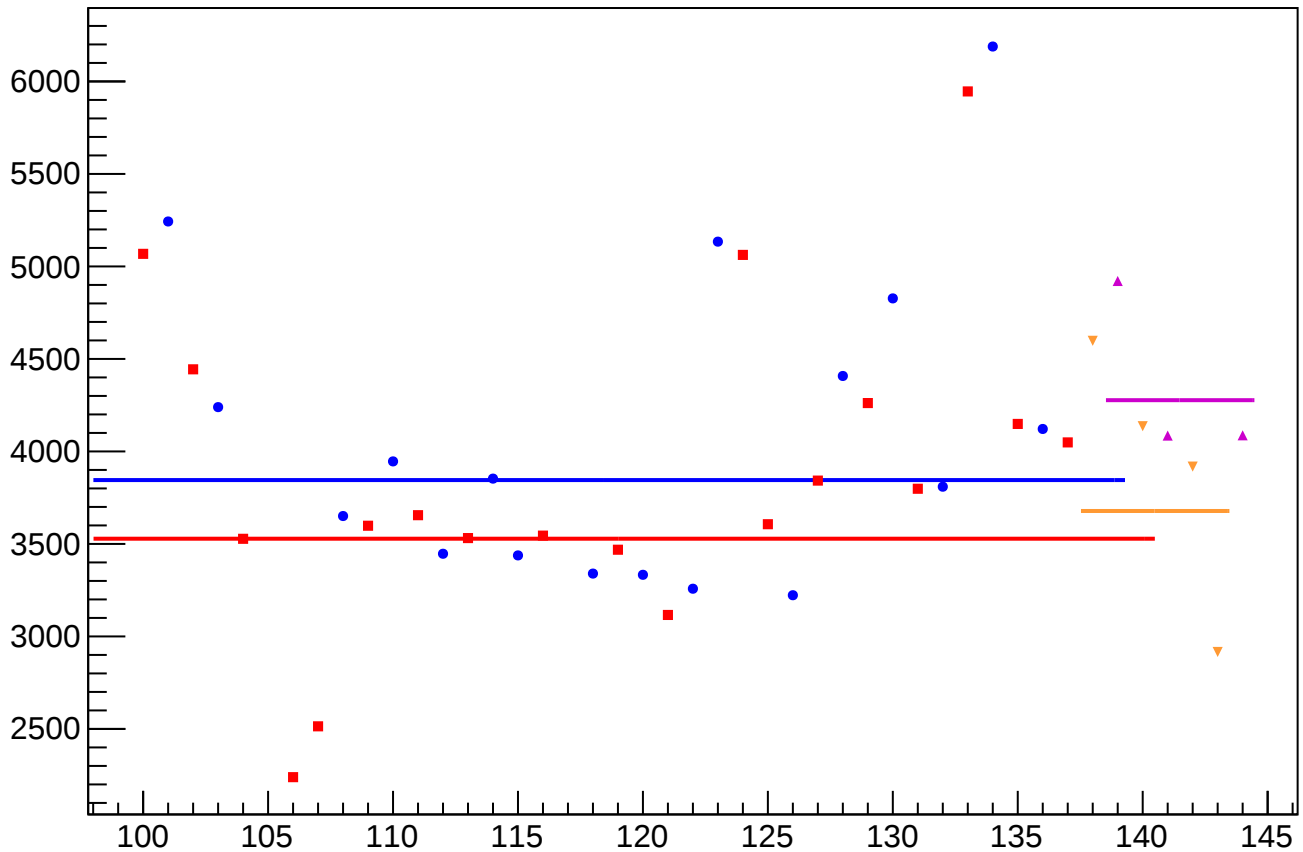
Left In: -704.693+/-2762.090 χ^2/NDF : 1.8/2

+ sign -365.949+/-1269.524 χ^2/NDF : 18.2/20

All: 122.401+/-885.532 χ^2/NDF : 34.6/42

- sign 585.165+/-1235.820 χ^2/NDF : 16.1/21

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3845.187+/-1.073 χ^2/NDF : 326944.8/16

Left Out: 3678.095+/-1.638 χ^2/NDF : 171063.1/3

+ sign 3795.014+/-0.898 χ^2/NDF : 505287.6/20

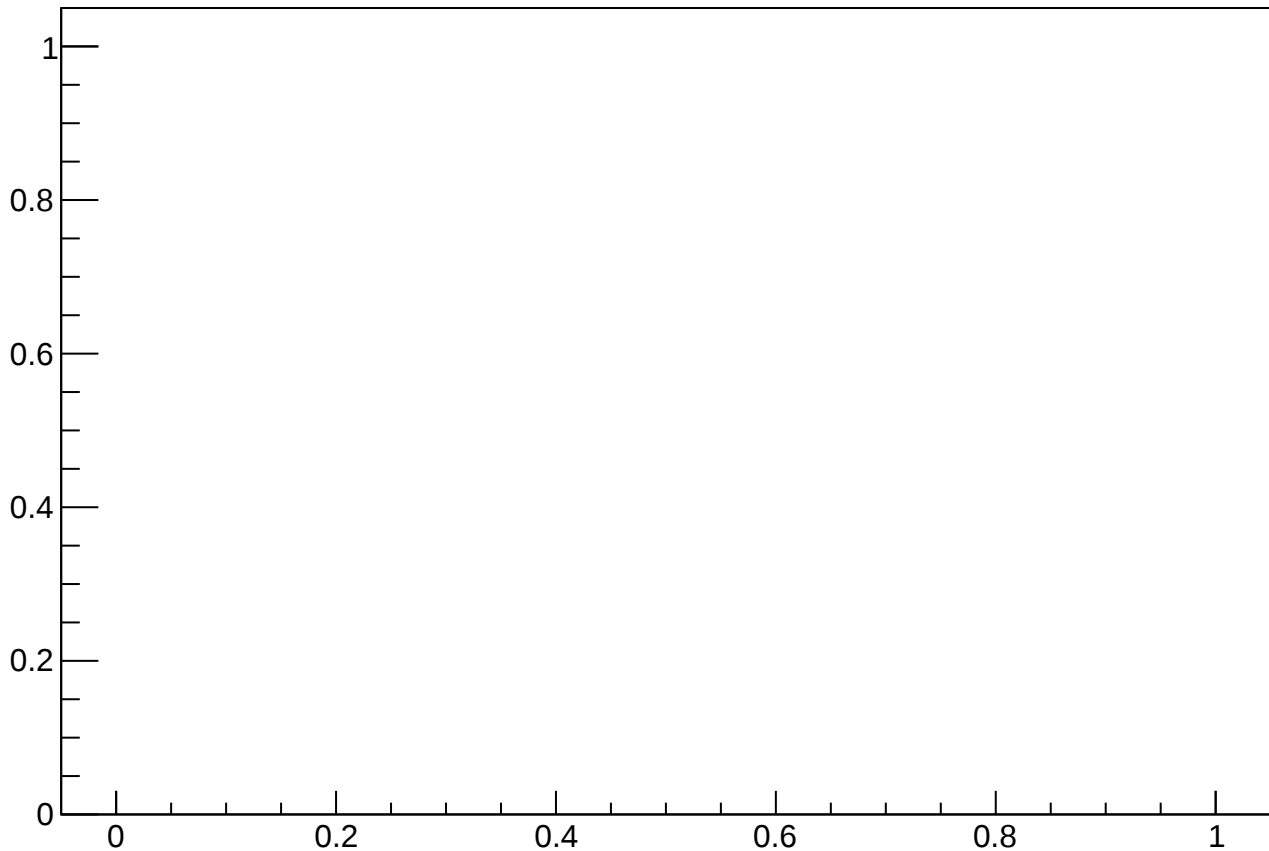
Right Out: 3528.231+/-0.968 χ^2/NDF : 556307.5/18

All: 3733.443+/-0.624 χ^2/NDF : 1220889.5/42

- sign 3675.947+/-0.867 χ^2/NDF : 706504.2/21

Left In: 4277.047+/-1.953 χ^2/NDF : 32198.1/2

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

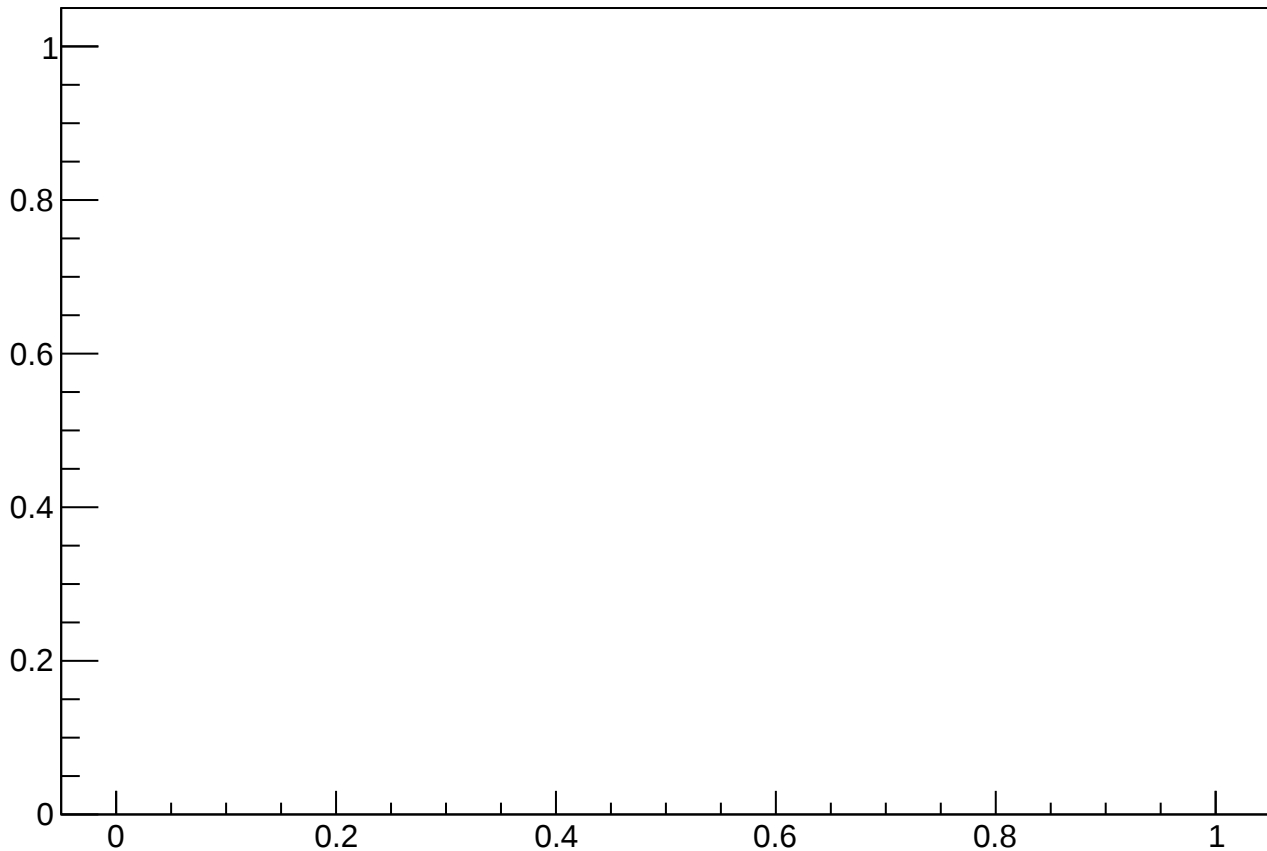
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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+/-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

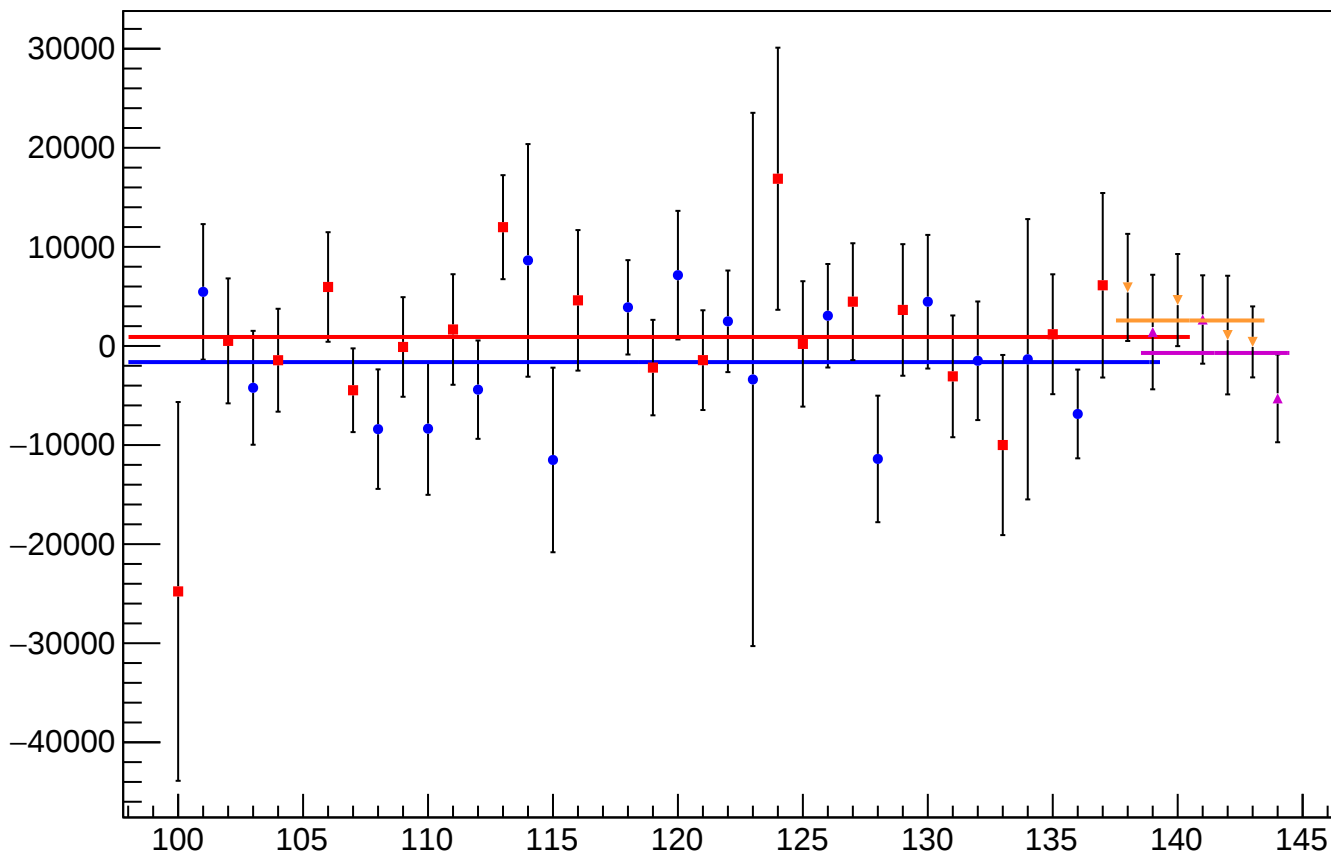
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ 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_dd_atr_dd_avg_mean vs Slug



Right In: -1626.973+/-1517.678 χ^2/NDF : 14.9/16

Left Out: 2572.488+/-2316.733 χ^2/NDF : 1.0/3

Right Out: 908.006+/-1381.849 χ^2/NDF : 14.1/18

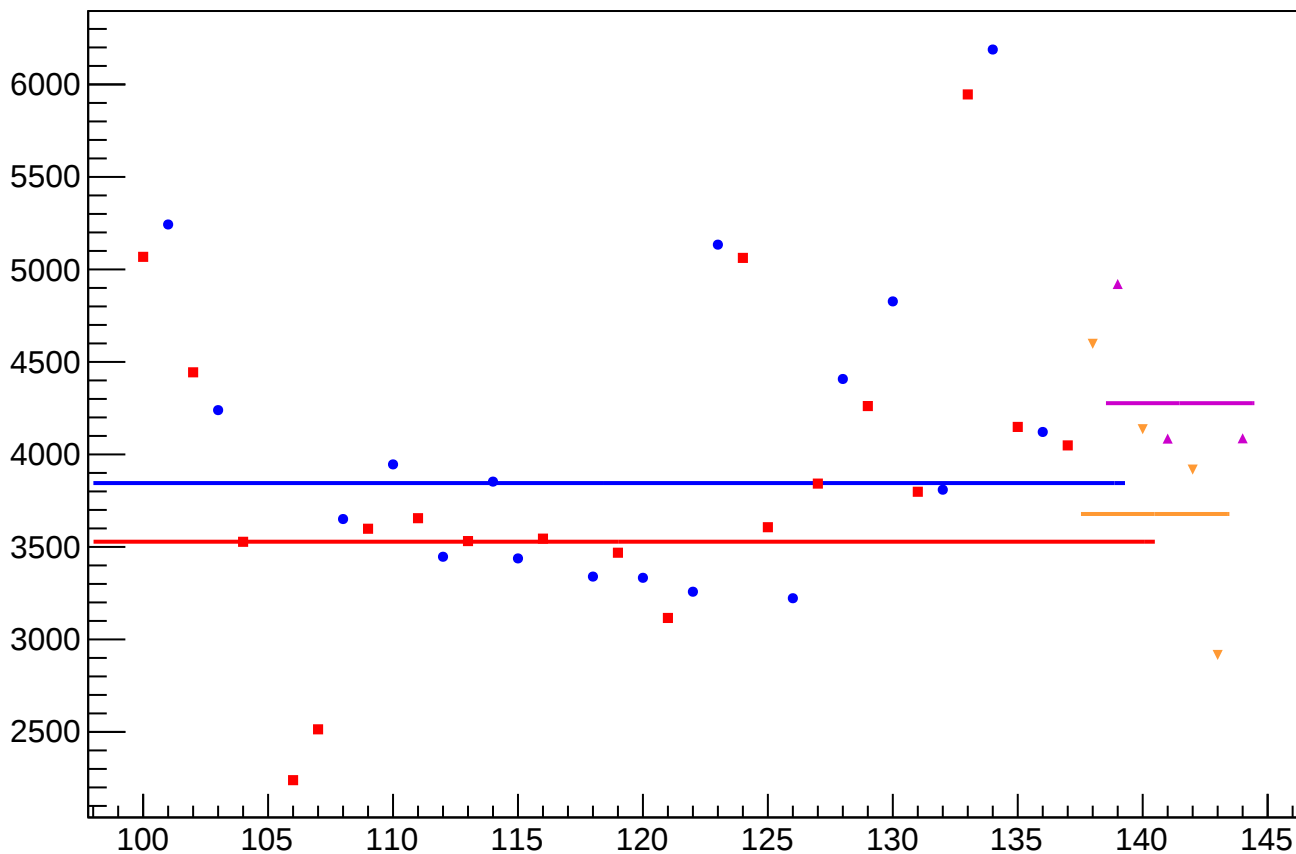
Left In: -704.693+/-2762.090 χ^2/NDF : 1.8/2

+ sign -365.949+/-1269.524 χ^2/NDF : 18.2/20

All: 122.401+/-885.532 χ^2/NDF : 34.6/42

- sign 585.165+/-1235.820 χ^2/NDF : 16.1/21

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3845.187+/-1.073 χ^2/NDF : 326944.8/16

Left Out: 3678.095+/-1.638 χ^2/NDF : 171063.1/3

Right Out: 3528.231+/-0.968 χ^2/NDF : 556307.5/18

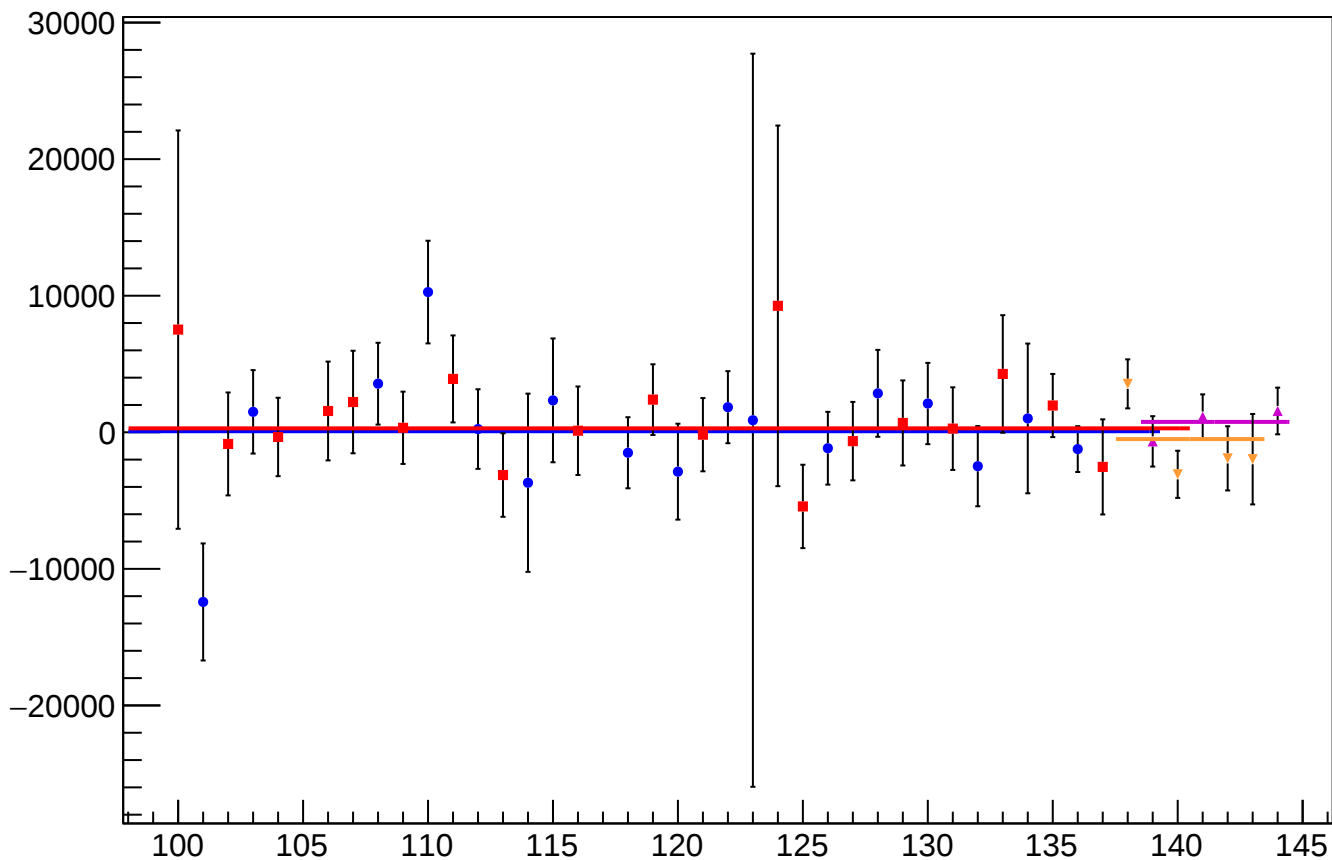
Left In: 4277.047+/-1.953 χ^2/NDF : 32198.1/2

+ sign 3795.014+/-0.898 χ^2/NDF : 505287.6/20

All: 3733.443+/-0.624 χ^2/NDF : 1220889.5/42

- sign 3675.947+/-0.867 χ^2/NDF : 706504.2/21

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 78.213+/-752.844 χ^2/NDF : 22.4/16

Left Out: -497.489+/-1043.563 χ^2/NDF : 7.9/3

Right Out: 287.747+/-736.056 χ^2/NDF : 10.1/18

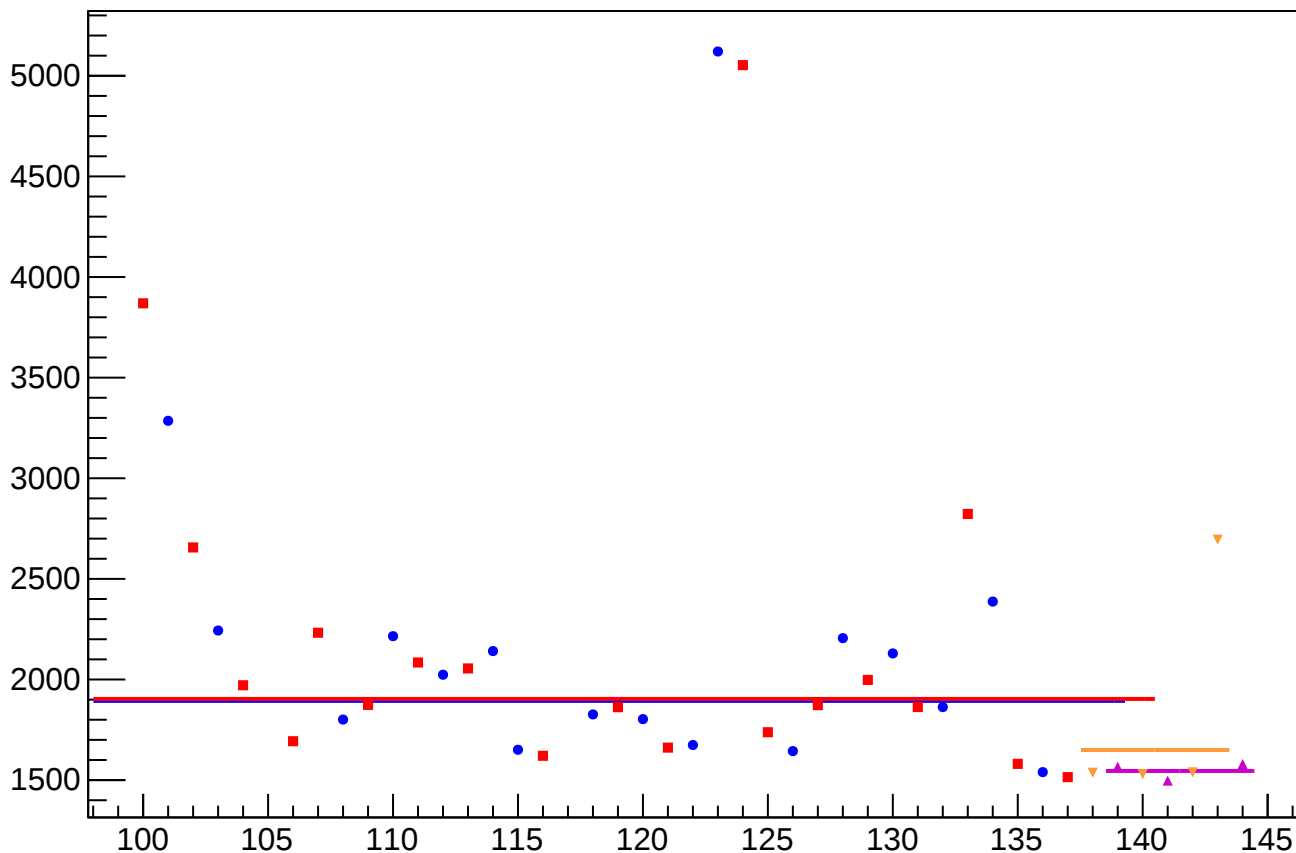
Left In: 760.851+/-993.840 χ^2/NDF : 0.9/2

+ sign -118.848+/-610.549 χ^2/NDF : 30.4/20

All: 177.338+/-424.828 χ^2/NDF : 42.1/42

- sign 455.330+/-591.498 χ^2/NDF : 11.2/21

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1893.797 $\pm$ 0.532 χ^2 /NDF: 466447.3/16

Left Out: 1649.490 $\pm$ 0.738 χ^2 /NDF: 221303.4/3

Right Out: 1903.476 $\pm$ 0.520 χ^2 /NDF: 460230.4/18

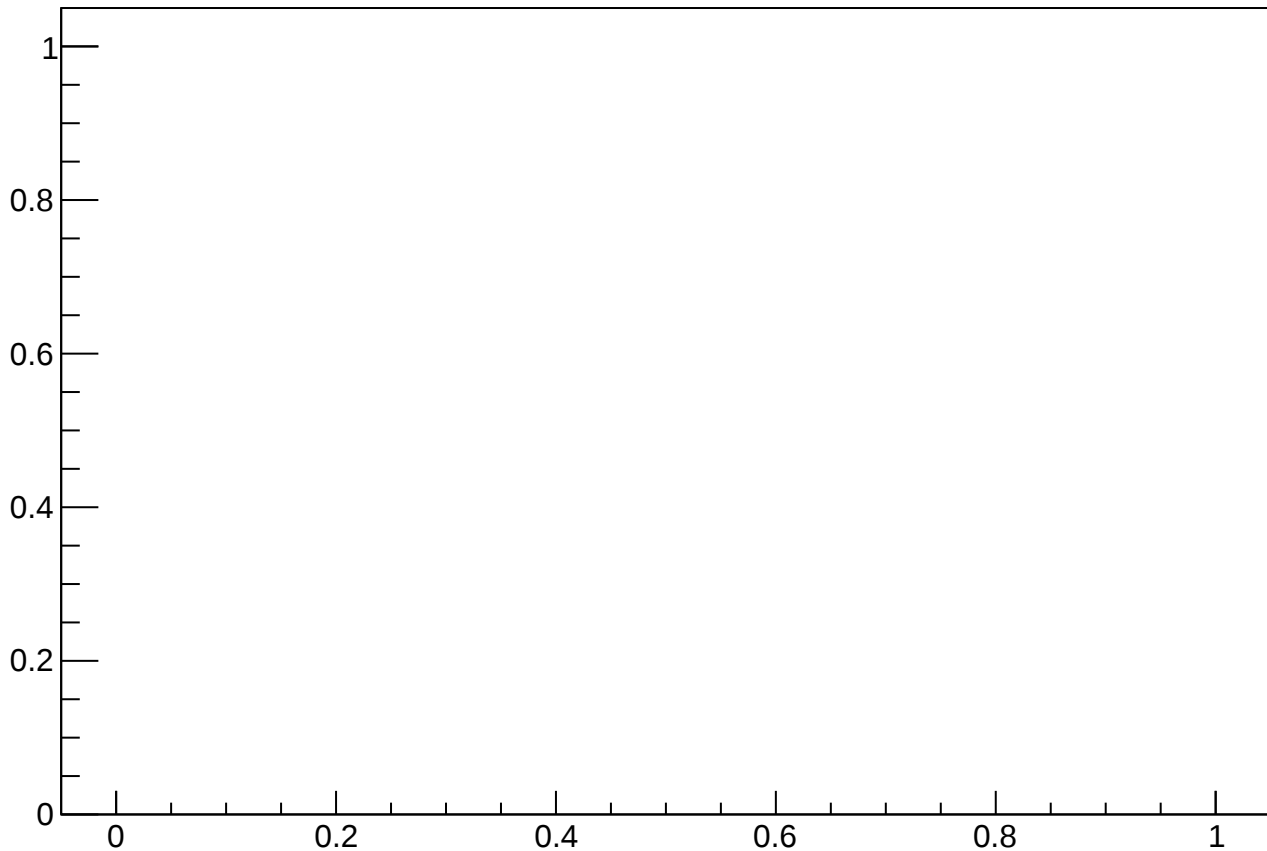
Left In: 1545.558 $\pm$ 0.703 χ^2 /NDF: 2796.7/2

+ sign 1810.172 $\pm$ 0.432 χ^2 /NDF: 759844.4/20

All: 1792.904 $\pm$ 0.300 χ^2 /NDF: 1393487.7/42

- sign 1776.697 $\pm$ 0.418 χ^2 /NDF: 630541.9/21

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



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

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

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

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

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

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

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

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



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

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

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

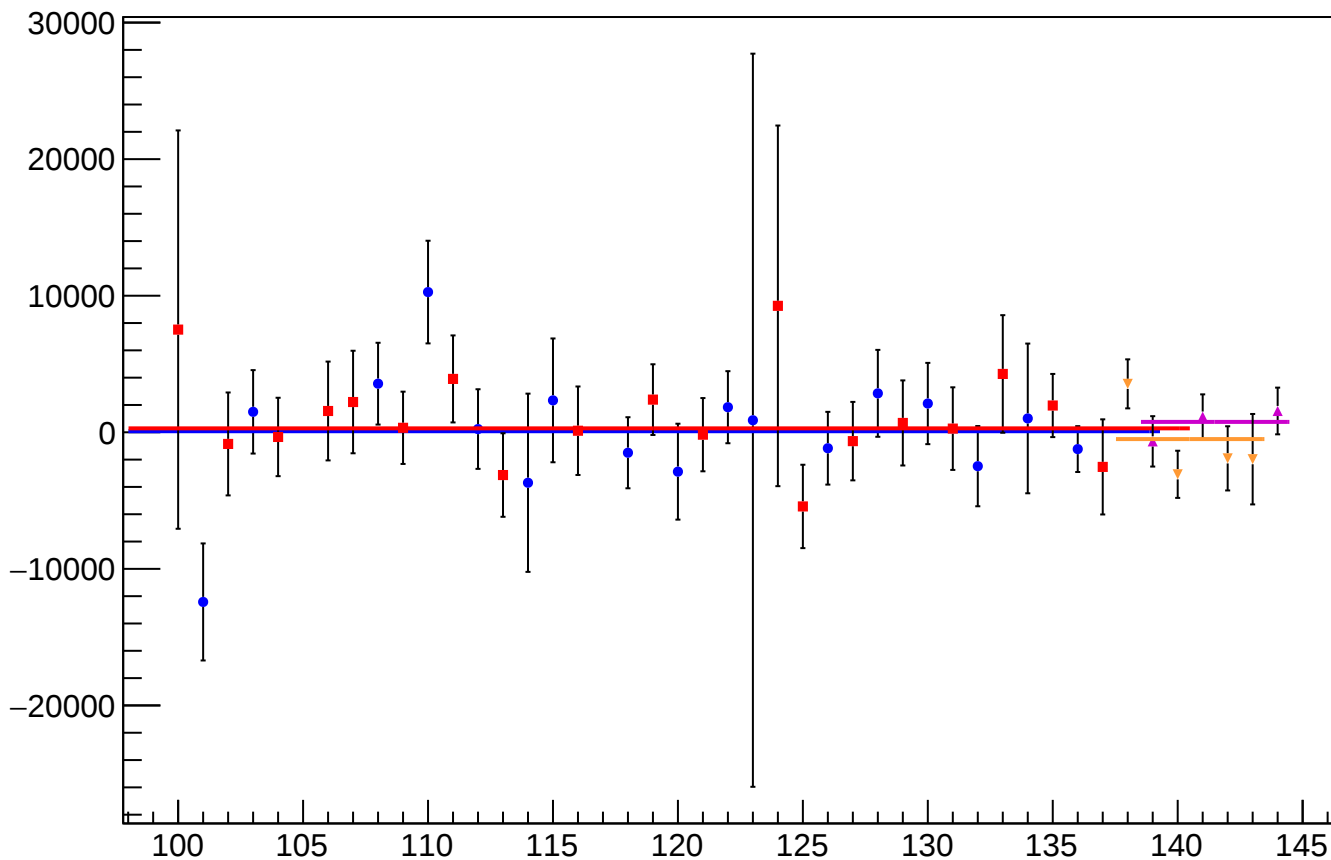
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 78.213+/-752.844 χ^2/NDF : 22.4/16

Left Out: -497.489+/-1043.563 χ^2/NDF : 7.9/3

Right Out: 287.747+/-736.056 χ^2/NDF : 10.1/18

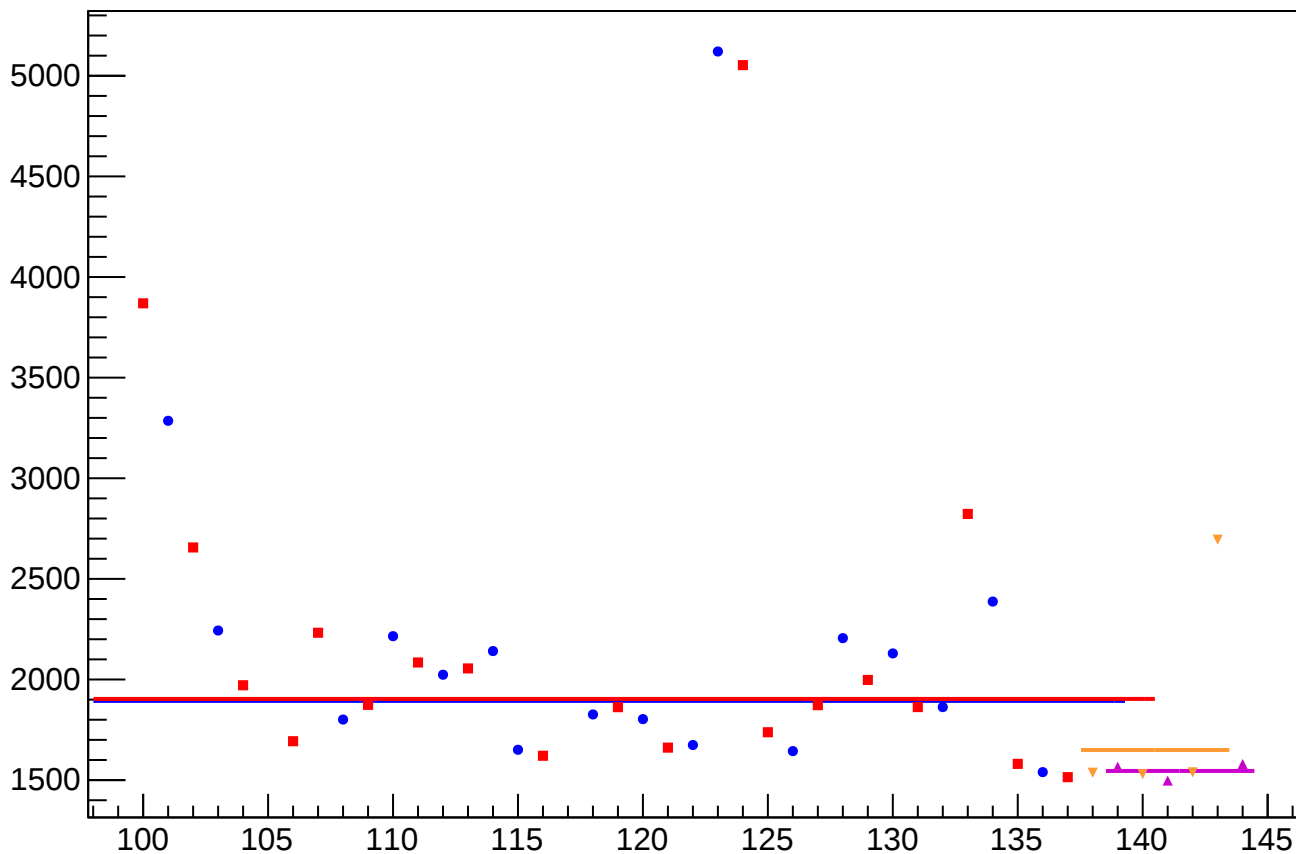
Left In: 760.851+/-993.840 χ^2/NDF : 0.9/2

+ sign -118.848+/-610.549 χ^2/NDF : 30.4/20

All: 177.338+/-424.828 χ^2/NDF : 42.1/42

- sign 455.330+/-591.498 χ^2/NDF : 11.2/21

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1893.797+/-0.532 χ^2/NDF : 466447.3/16

Left Out: 1649.490+/-0.738 χ^2/NDF : 221303.4/3

Right Out: 1903.476+/-0.520 χ^2/NDF : 460230.4/18

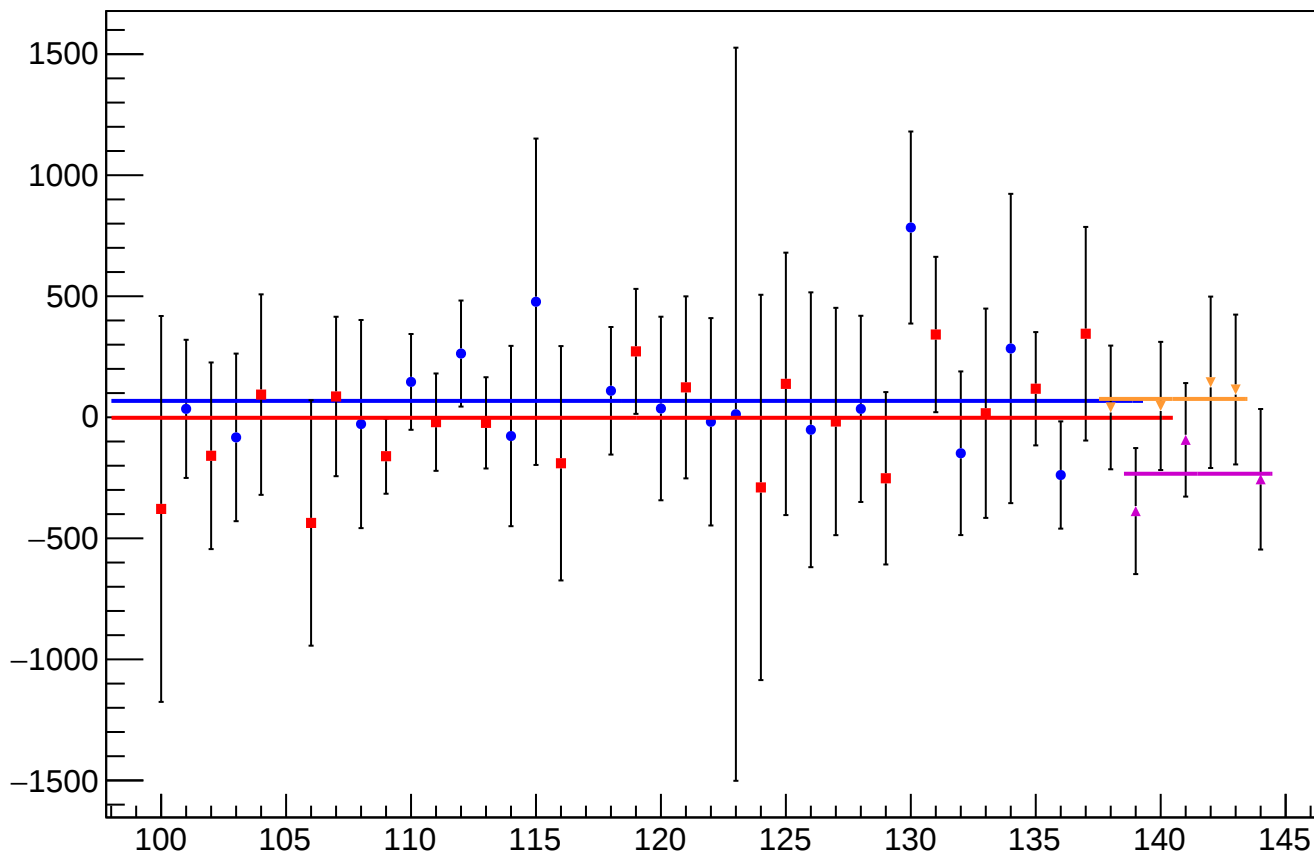
Left In: 1545.558+/-0.703 χ^2/NDF : 2796.7/2

+ sign 1810.172+/-0.432 χ^2/NDF : 759844.4/20

All: 1792.904+/-0.300 χ^2/NDF : 1393487.7/42

- sign 1776.697+/-0.418 χ^2/NDF : 630541.9/21

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.747+/-79.837 χ^2/NDF : 7.5/16

Left Out: 75.902+/-144.324 χ^2/NDF : 0.1/3

Right Out: -2.060+/-70.020 χ^2/NDF : 6.4/18

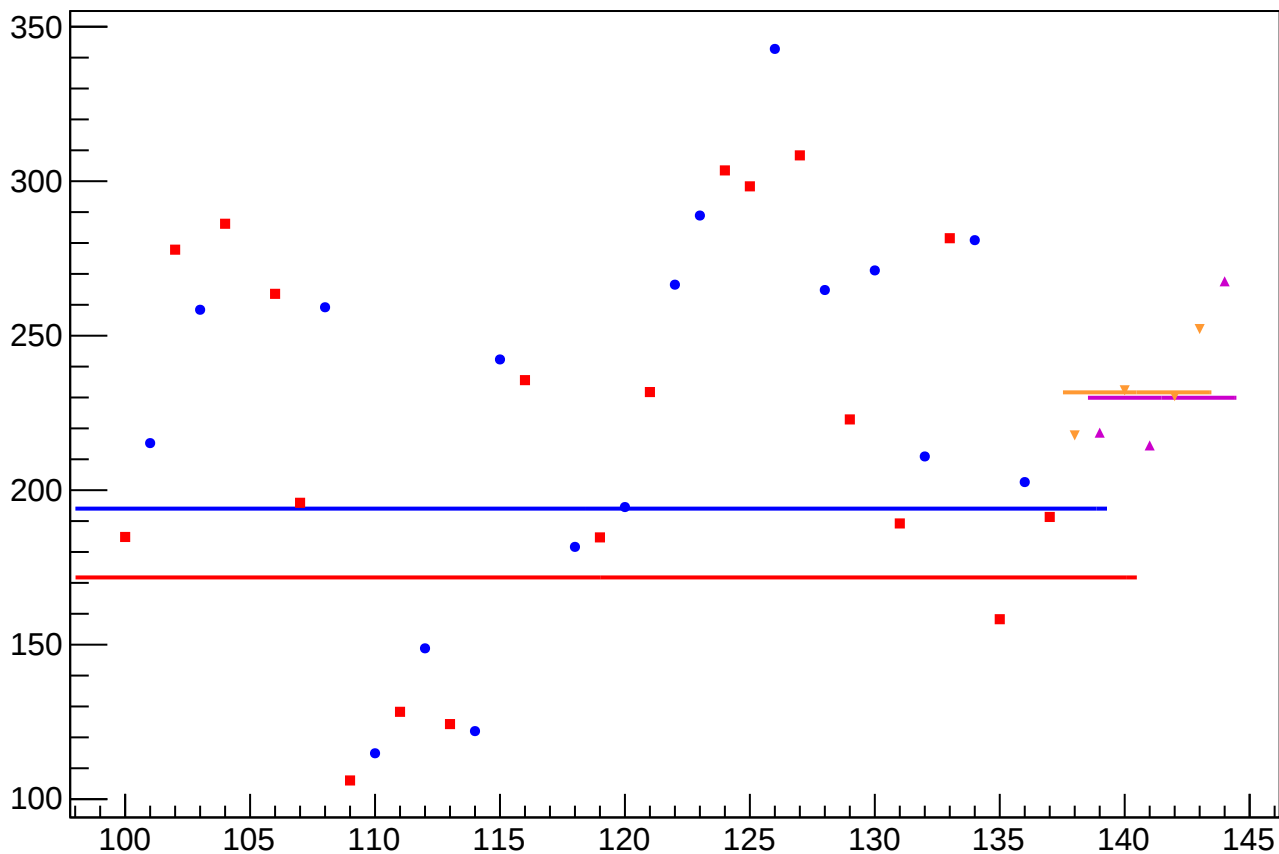
Left In: -233.179+/-149.387 χ^2/NDF : 0.7/2

+ sign 69.658+/-69.861 χ^2/NDF : 7.6/20

All: 7.503+/-46.949 χ^2/NDF : 18.2/42

- sign -43.690+/-63.401 χ^2/NDF : 9.1/21

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.032 $\pm$ 0.056 χ^2 /NDF: 1011944.3/16

Left Out: 231.662 $\pm$ 0.102 χ^2 /NDF:14750.0/3

Right Out: 171.760 $\pm$ 0.050 χ^2 /NDF: 1571617.5/18

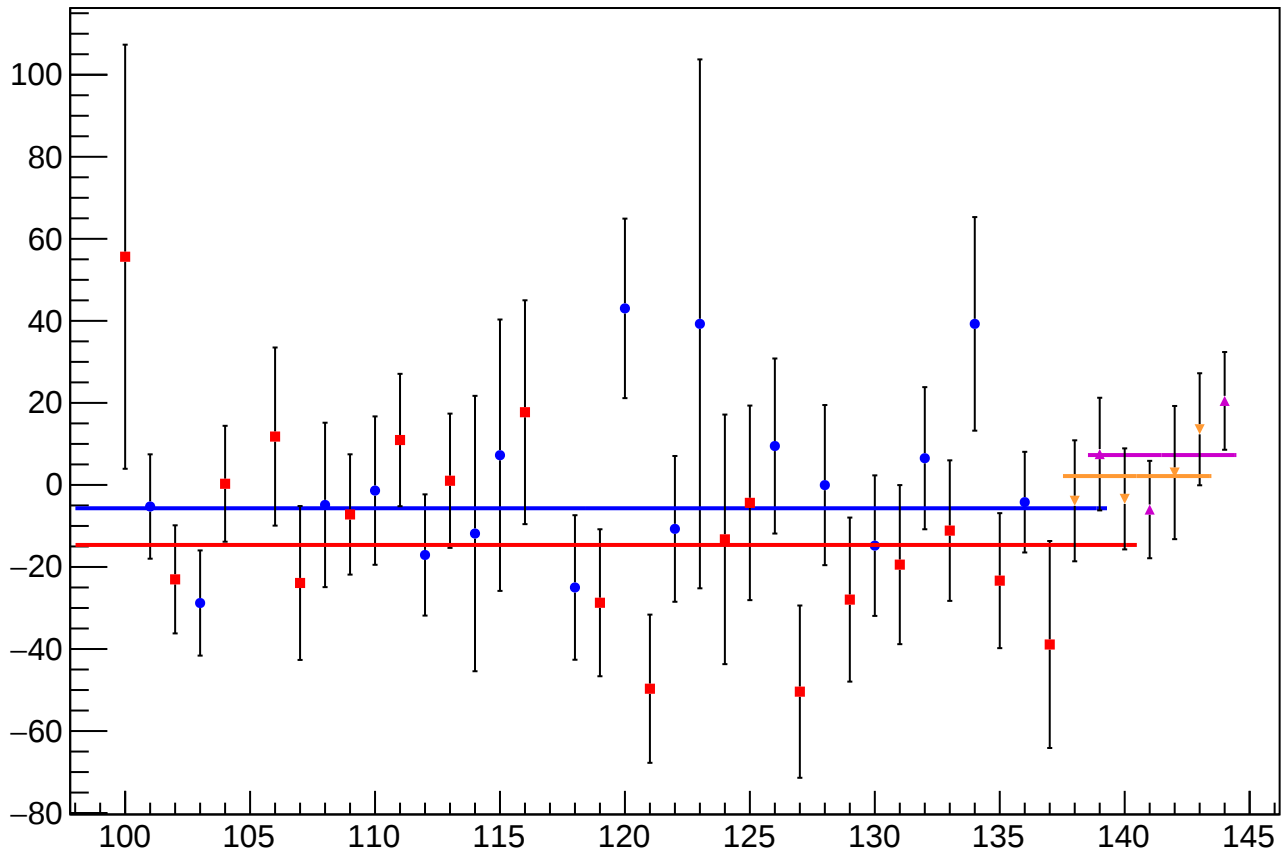
Left In: 229.916 $\pm$ 0.106 χ^2 /NDF:46138.2/2

+ sign 202.849 $\pm$ 0.049 χ^2 /NDF: 1130799.0/20

All: 191.546 $\pm$ 0.033 χ^2 /NDF: 3092549.4/42

- sign 182.236 $\pm$ 0.045 χ^2 /NDF: 1866266.6/21

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.687 $\pm$ 4.361 χ^2 /NDF: 15.2/16

Left Out: 2.162 $\pm$ 7.011 χ^2 /NDF: 1.1/3

Right Out: -14.630 $\pm$ 4.271 χ^2 /NDF: 19.4/18

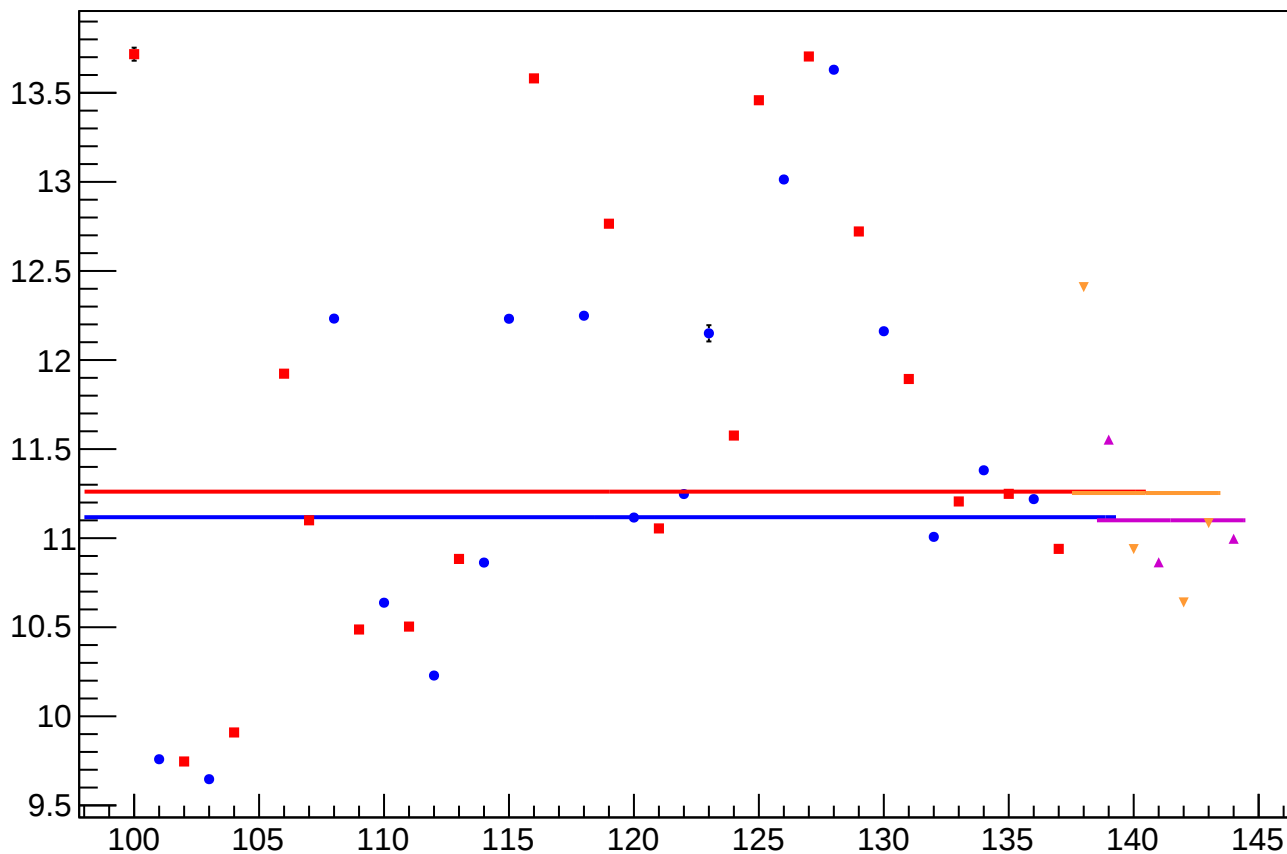
Left In: 7.285 $\pm$ 7.171 χ^2 /NDF: 2.5/2

+ sign -3.497 $\pm$ 3.703 χ^2 /NDF: 17.2/20

All: -6.219 $\pm$ 2.607 χ^2 /NDF: 47.0/42

- sign -8.891 $\pm$ 3.670 χ^2 /NDF: 28.8/21

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.118 $\pm$ 0.003 χ^2 /NDF: 131951.0/16

Left Out: 11.253 $\pm$ 0.005 χ^2 /NDF:16756.0/3

Right Out: 11.261 $\pm$ 0.003 χ^2 /NDF: 148698.3/18

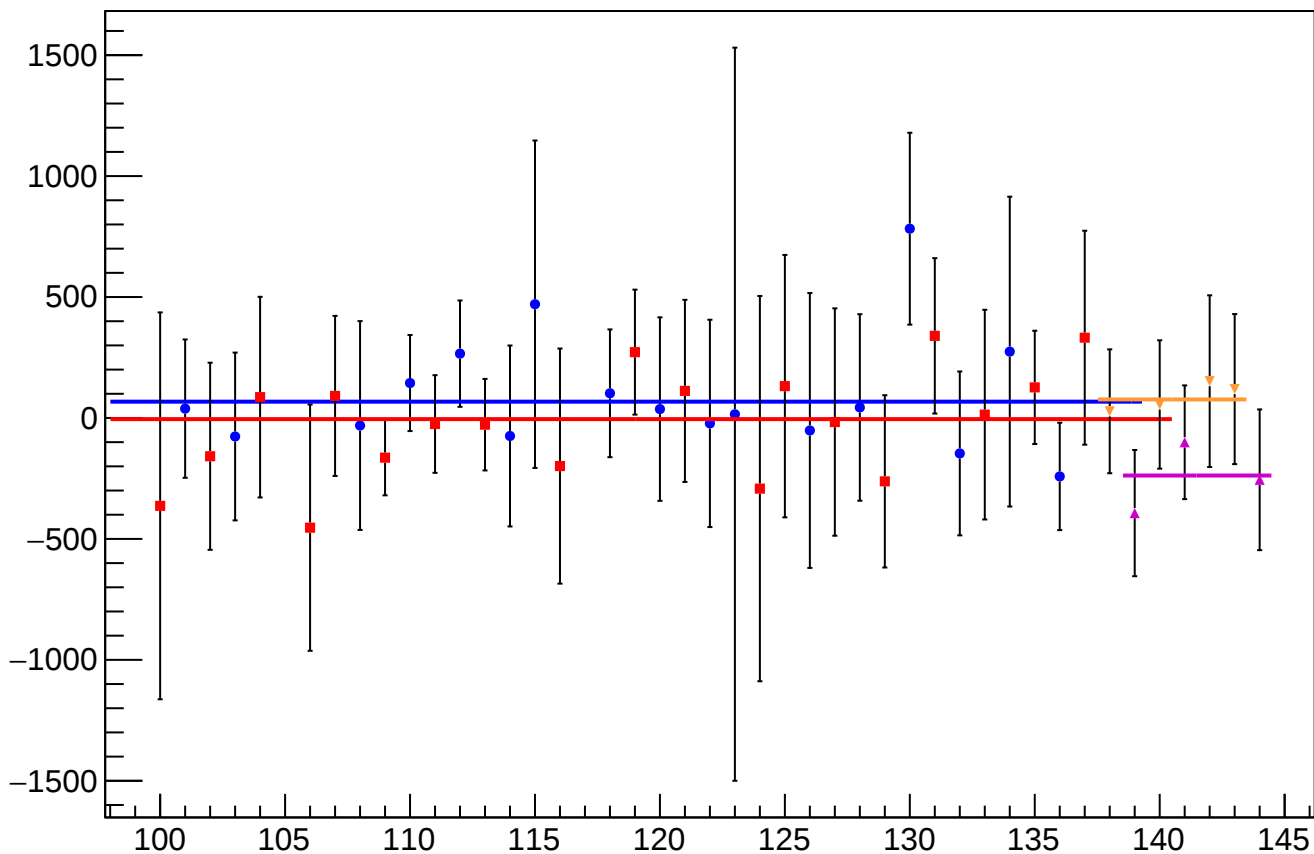
Left In: 11.100 $\pm$ 0.005 χ^2 /NDF:3117.1/2

+ sign 11.156 $\pm$ 0.003 χ^2 /NDF: 149247.9/20

All: 11.188 $\pm$ 0.002 χ^2 /NDF: 302102.1/42

- sign 11.219 $\pm$ 0.003 χ^2 /NDF: 152558.2/21

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.460 $\pm$ 80.048 χ^2/NDF : 7.5/16

Left Out: 76.636 $\pm$ 144.668 χ^2/NDF : 0.1/3

Right Out: -4.719 $\pm$ 70.224 χ^2/NDF : 6.5/18

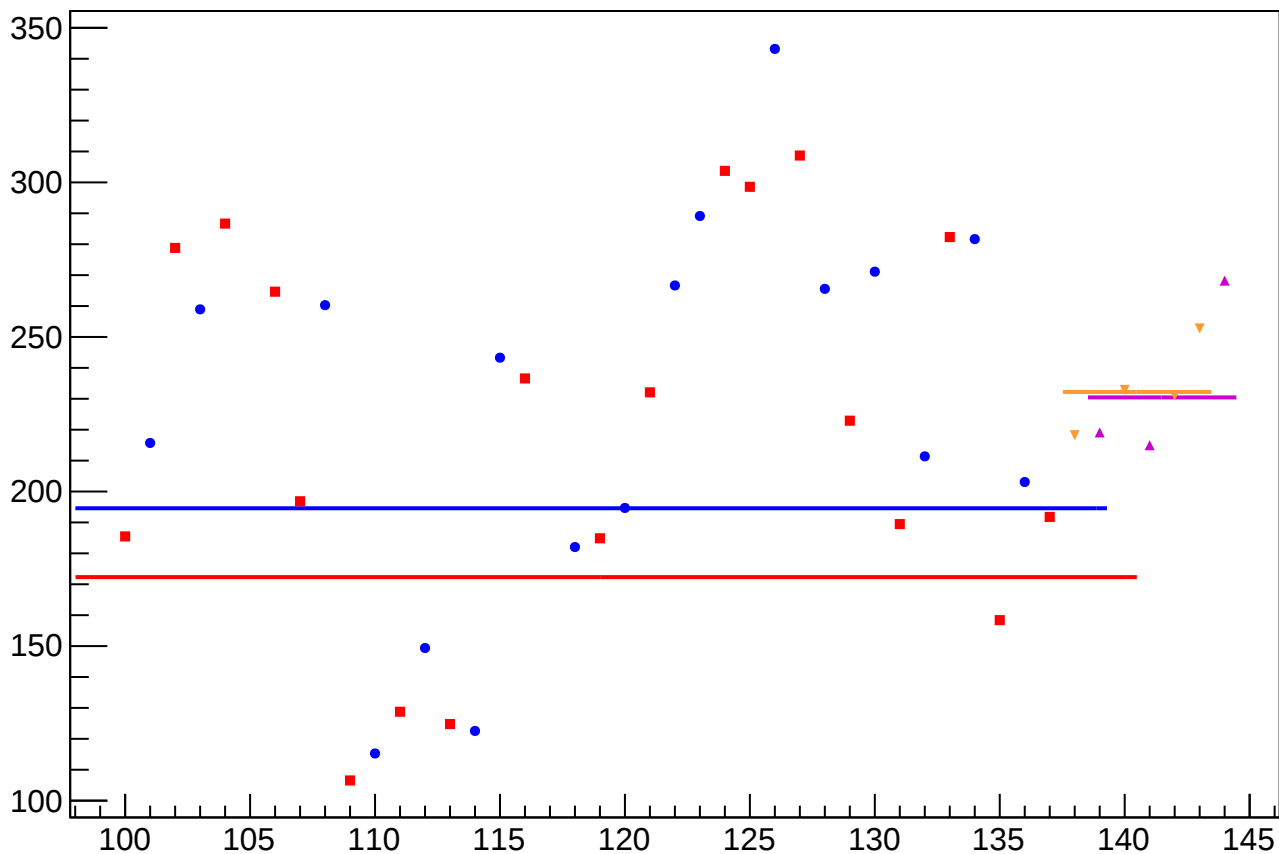
Left In: -237.953 $\pm$ 149.731 χ^2/NDF : 0.7/2

+ sign 69.611 $\pm$ 70.041 χ^2/NDF : 7.6/20

All: 5.804 $\pm$ 47.076 χ^2/NDF : 18.3/42

- sign -46.772 $\pm$ 63.579 χ^2/NDF : 9.2/21

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.582 $\pm$ 0.057 χ^2 /NDF: 1006984.2/16

Left Out: 232.213 $\pm$ 0.102 χ^2 /NDF:14779.3/3

Right Out: 172.312 $\pm$ 0.050 χ^2 /NDF: 1564323.1/18

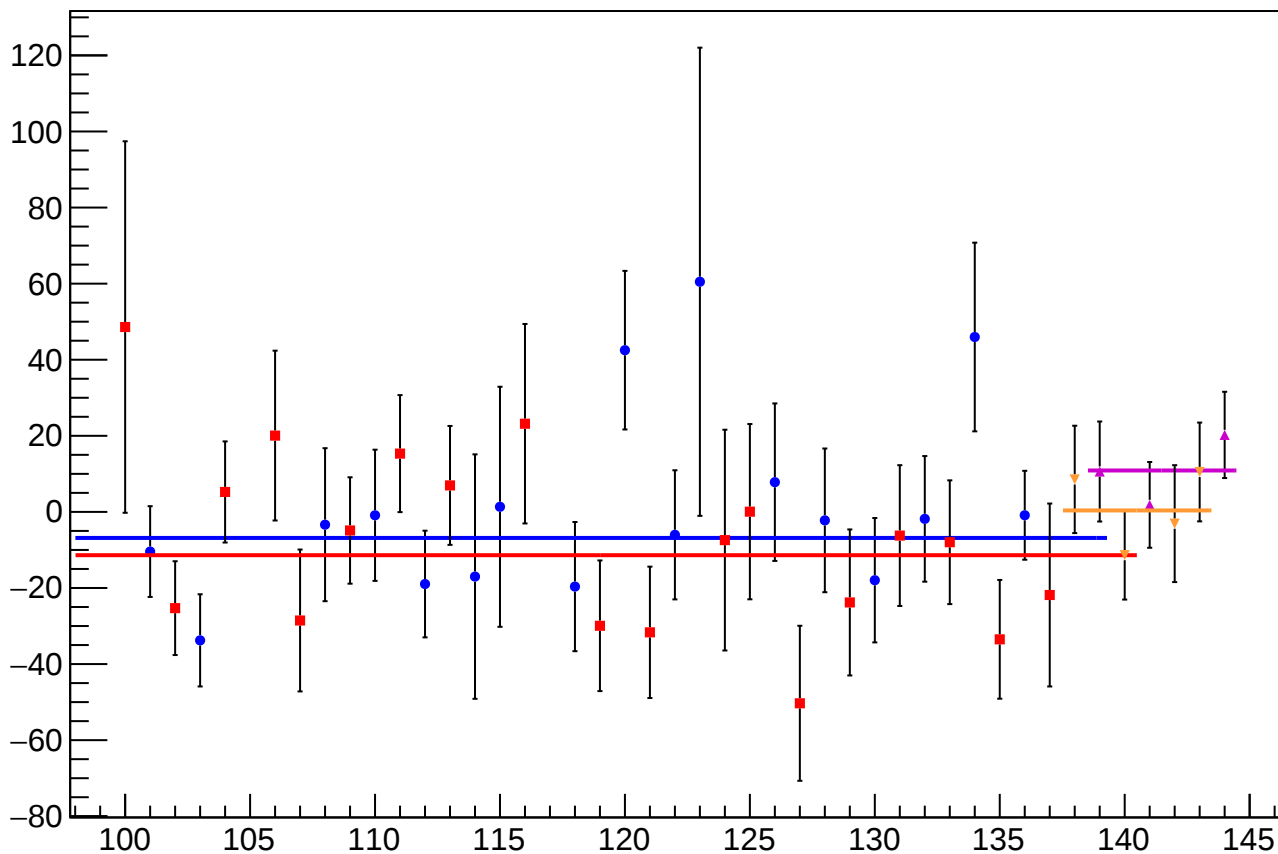
Left In: 230.444 $\pm$ 0.106 χ^2 /NDF:46174.8/2

+ sign 203.403 $\pm$ 0.050 χ^2 /NDF: 1125366.9/20

All: 192.104 $\pm$ 0.033 χ^2 /NDF: 3077909.6/42

- sign 182.794 $\pm$ 0.045 χ^2 /NDF: 1857607.3/21

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.841 $\pm$ 4.162 χ^2/NDF : 19.4/16

Left Out: 0.384 $\pm$ 6.663 χ^2/NDF : 2.0/3

Right Out: -11.383 $\pm$ 4.086 χ^2/NDF : 22.7/18

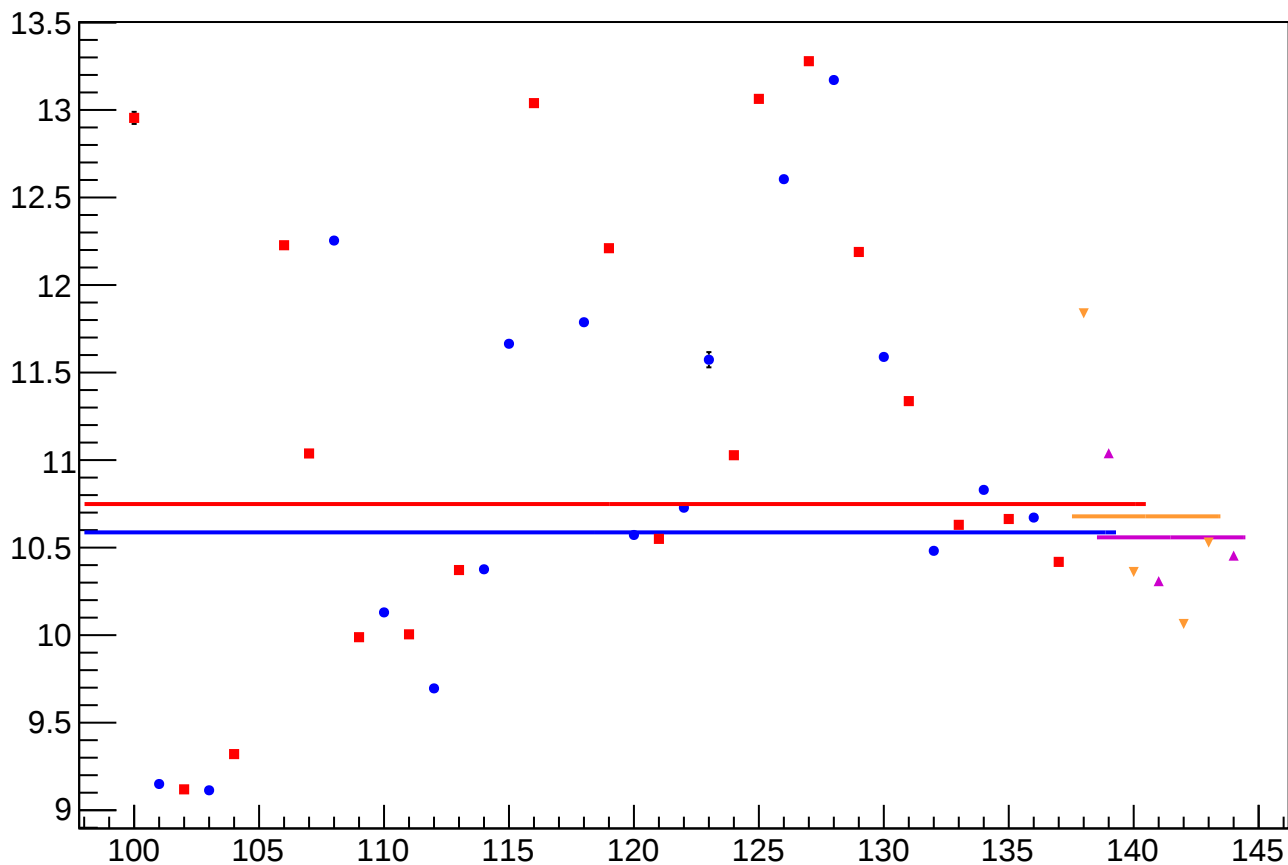
Left In: 10.888 $\pm$ 6.830 χ^2/NDF : 1.3/2

+ sign -4.813 $\pm$ 3.530 χ^2/NDF : 22.2/20

All: -5.166 $\pm$ 2.488 χ^2/NDF : 54.1/42

- sign -5.513 $\pm$ 3.506 χ^2/NDF : 31.9/21

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.587 $\pm$ 0.003 χ^2 /NDF: 159222.7/16

Left Out: 10.679 $\pm$ 0.005 χ^2 /NDF: 18455.6/3

Right Out: 10.749 $\pm$ 0.003 χ^2 /NDF: 178183.6/18

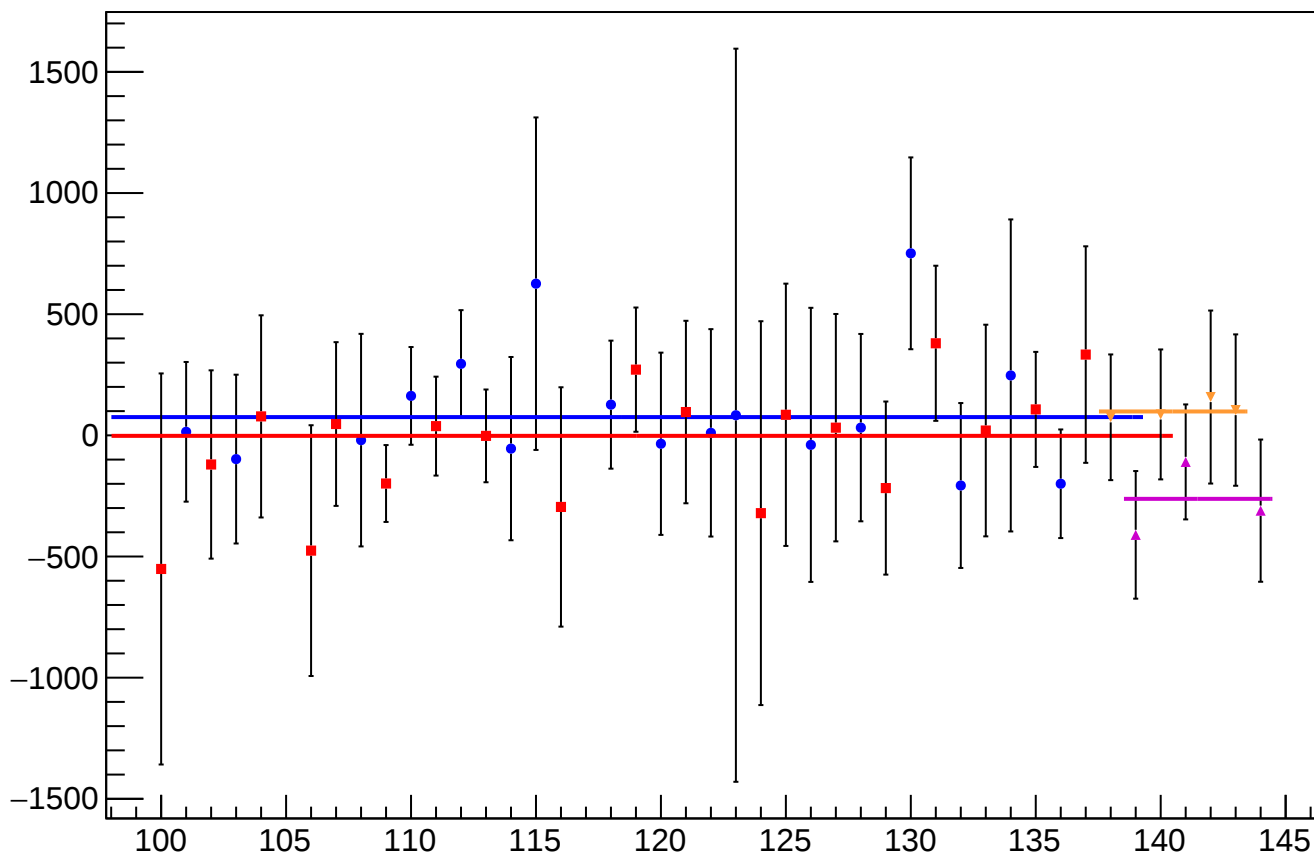
Left In: 10.559 $\pm$ 0.005 χ^2 /NDF: 3827.3/2

+ sign 10.613 $\pm$ 0.002 χ^2 /NDF: 177949.7/20

All: 10.656 $\pm$ 0.002 χ^2 /NDF: 361700.7/42

- sign 10.699 $\pm$ 0.002 χ^2 /NDF: 183153.7/21

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.370+/-80.583 χ^2/NDF : 7.7/16

Left Out: 98.579+/-146.063 χ^2/NDF : 0.0/3

Right Out: -2.048+/-70.896 χ^2/NDF : 7.3/18

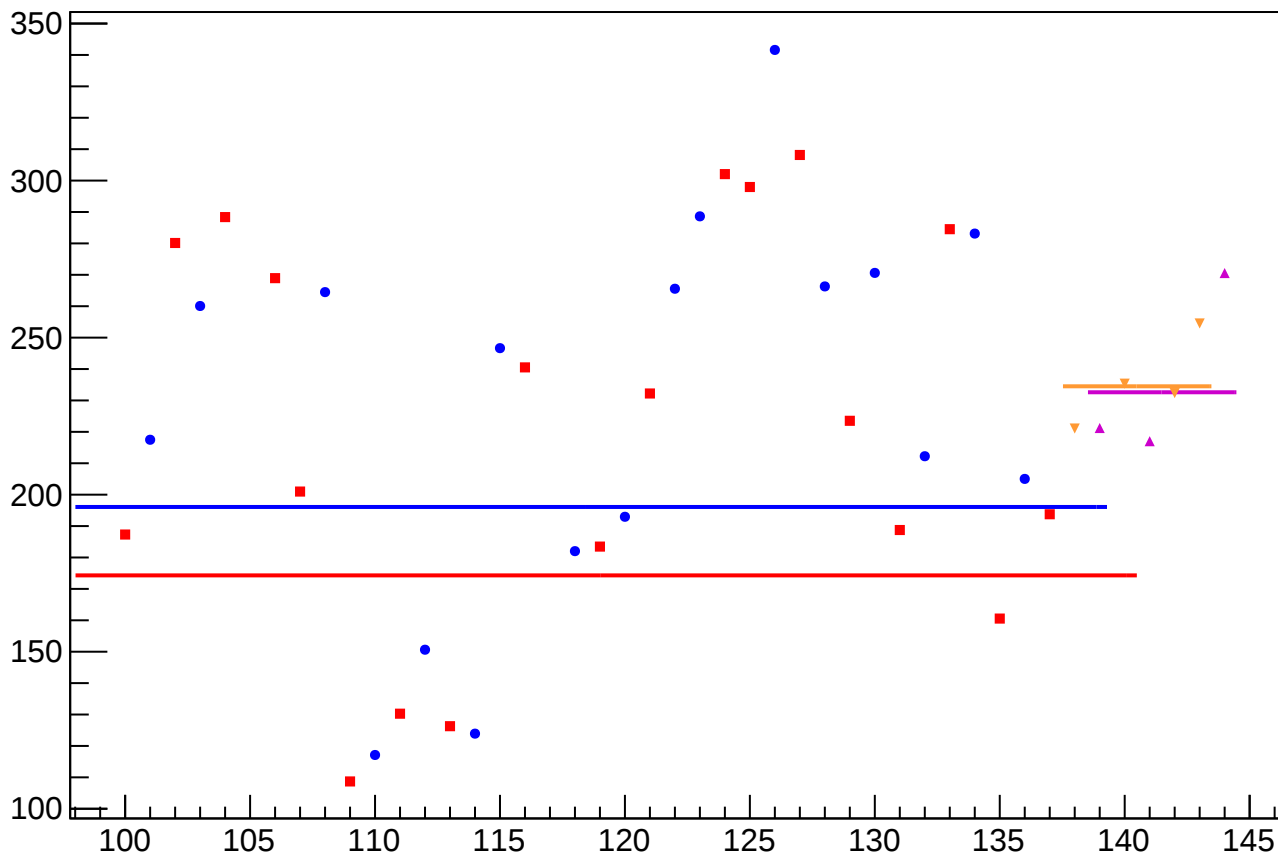
Left In: -262.041+/-151.109 χ^2/NDF : 0.8/2

+ sign 80.785+/-70.557 χ^2/NDF : 7.7/20

All: 9.792+/-47.478 χ^2/NDF : 20.1/42

- sign -48.953+/-64.183 χ^2/NDF : 10.5/21

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 196.085+/-0.057 χ^2/NDF : 981134.1/16

Left Out: 234.502+/-0.103 χ^2/NDF :13673.8/3

Right Out: 174.302+/-0.050 χ^2/NDF : 1523885.0/18

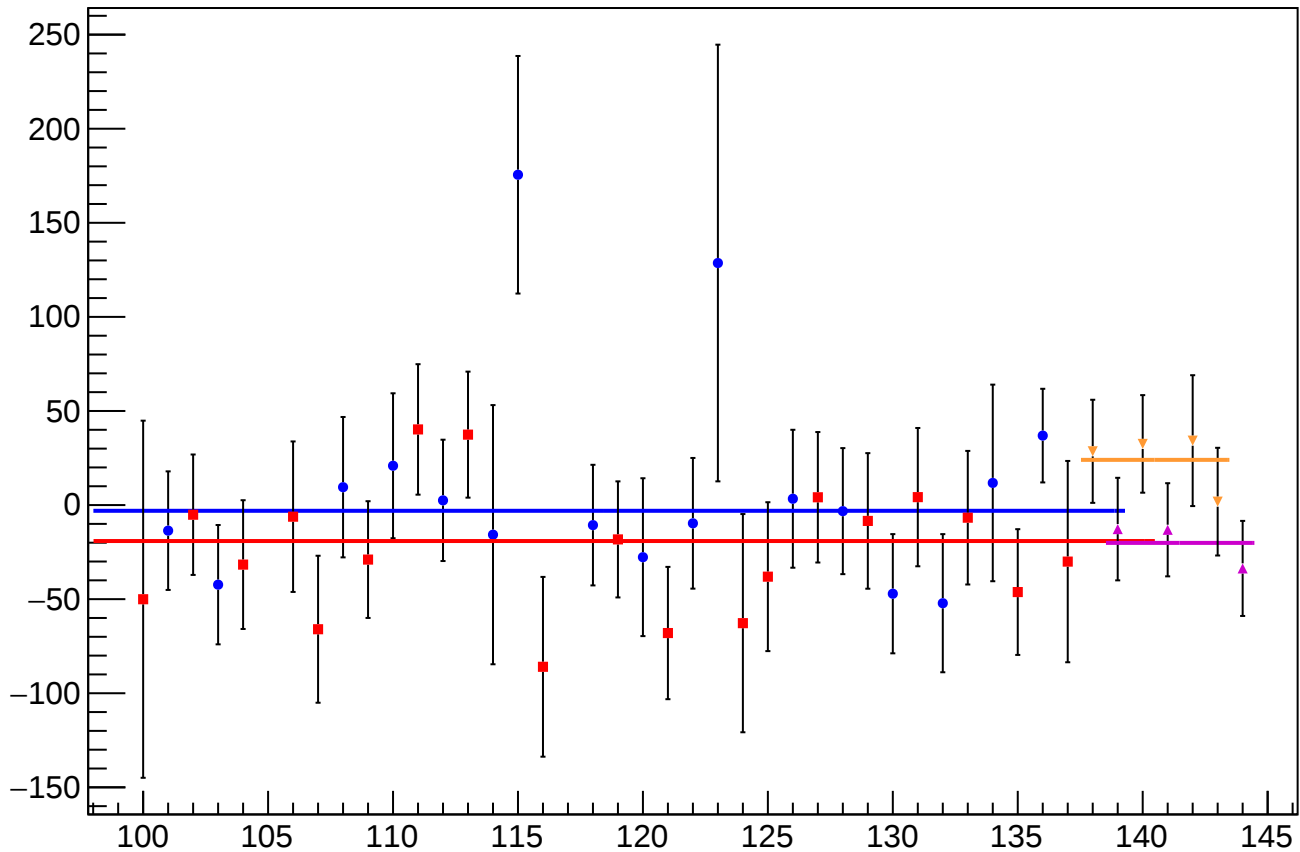
Left In: 232.602+/-0.107 χ^2/NDF :45823.7/2

+ sign 205.050+/-0.050 χ^2/NDF : 1100874.6/20

All: 193.980+/-0.034 χ^2/NDF : 3004555.2/42

- sign 184.820+/-0.045 χ^2/NDF : 1813712.1/21

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.043 ± 8.901 χ^2/NDF : 18.4/16

Left Out: 24.024 ± 14.331 χ^2/NDF : 0.8/3

Right Out: -19.112 ± 8.574 χ^2/NDF : 14.3/18

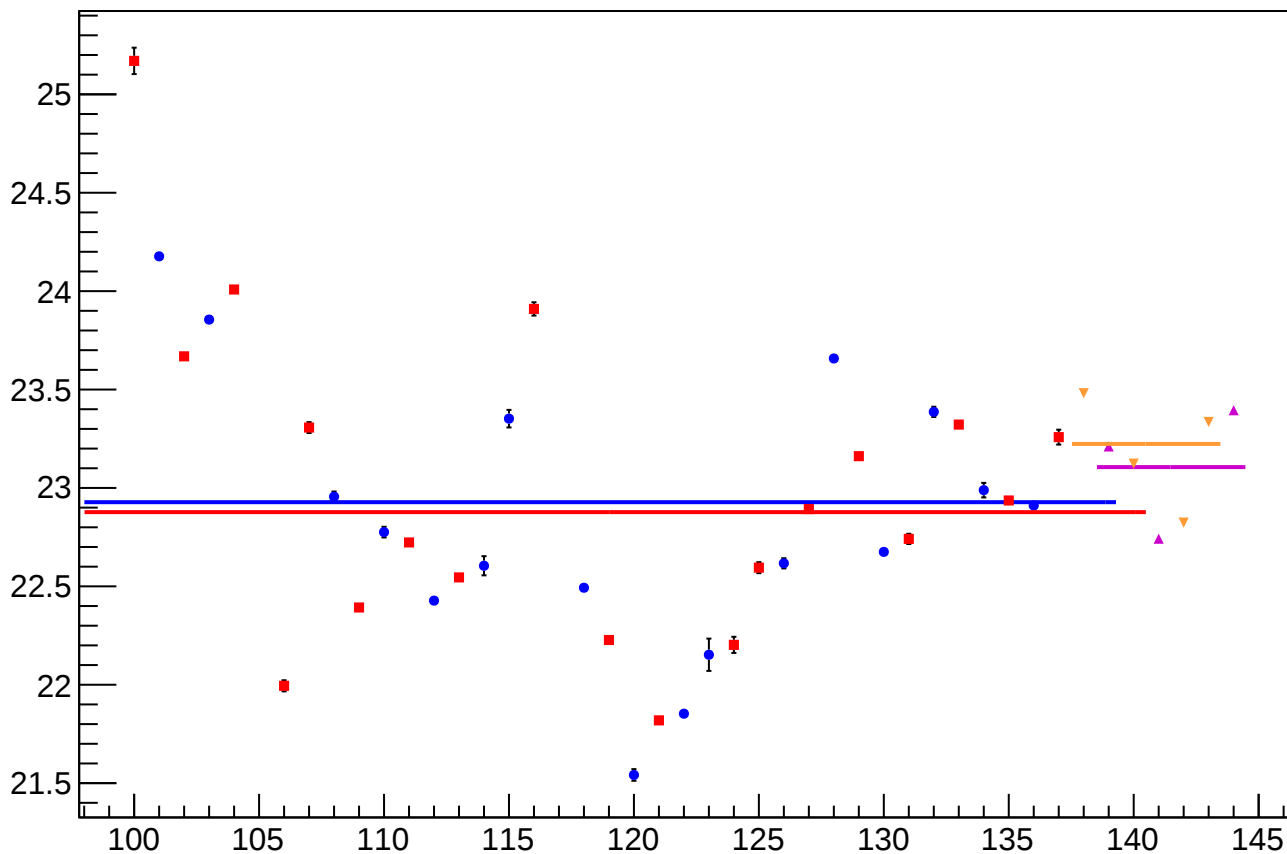
Left In: -20.102 ± 14.831 χ^2/NDF : 0.4/2

+ sign 4.491 ± 7.561 χ^2/NDF : 21.8/20

All: -7.655 ± 5.297 χ^2/NDF : 41.6/42

- sign -19.360 ± 7.423 χ^2/NDF : 14.8/21

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.928 $\pm$ 0.006 χ^2 /NDF: 11600.9/16

Left Out: 23.224 $\pm$ 0.010 χ^2 /NDF: 501.9/3

Right Out: 22.877 $\pm$ 0.006 χ^2 /NDF: 11098.9/18

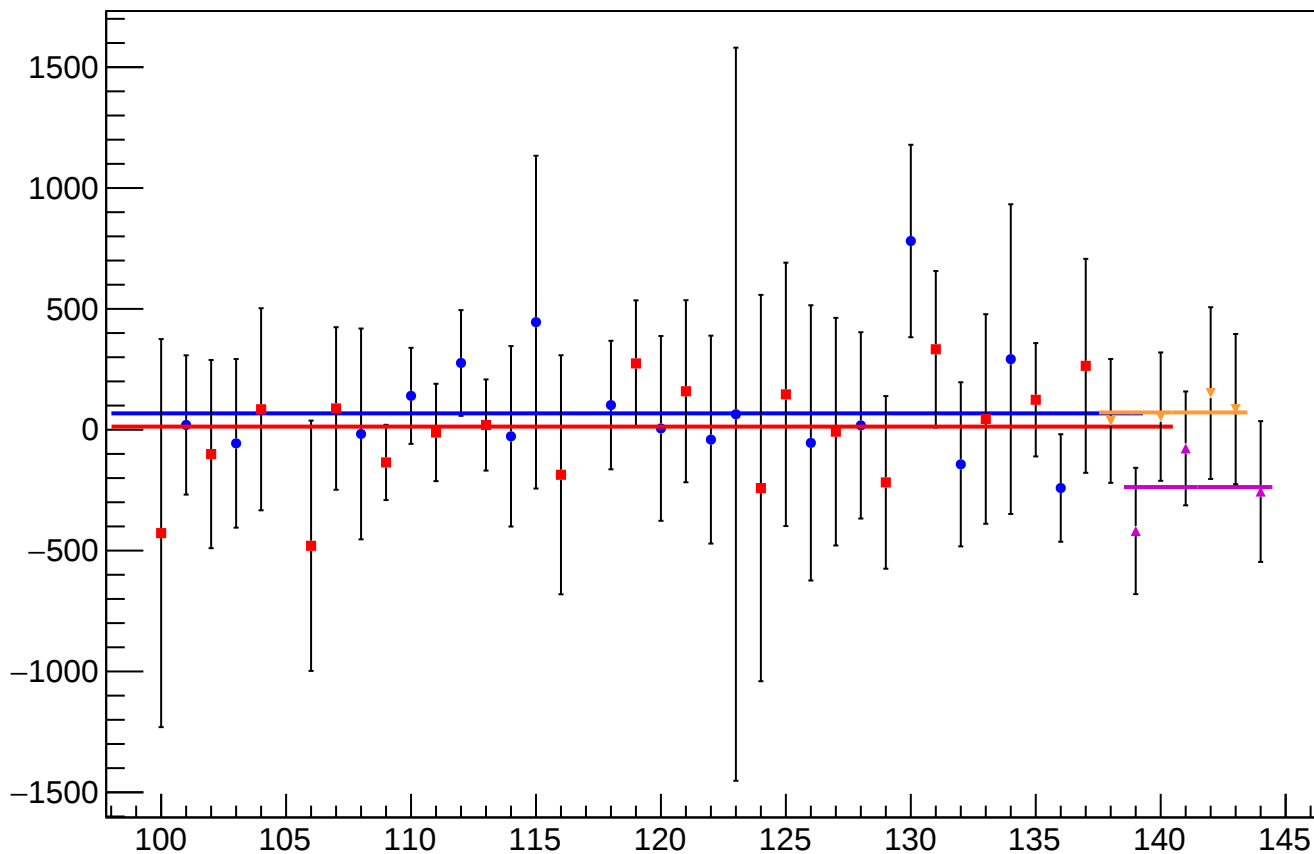
Left In: 23.106 $\pm$ 0.010 χ^2 /NDF: 723.5/2

+ sign 23.010 $\pm$ 0.005 χ^2 /NDF: 12718.9/20

All: 22.972 $\pm$ 0.004 χ^2 /NDF: 25000.3/42

- sign 22.934 $\pm$ 0.005 χ^2 /NDF: 12179.4/21

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.779+/-80.229 χ^2/NDF : 7.4/16

Left Out: 71.533+/-144.804 χ^2/NDF : 0.1/3

Right Out: 13.007+/-70.398 χ^2/NDF : 5.7/18

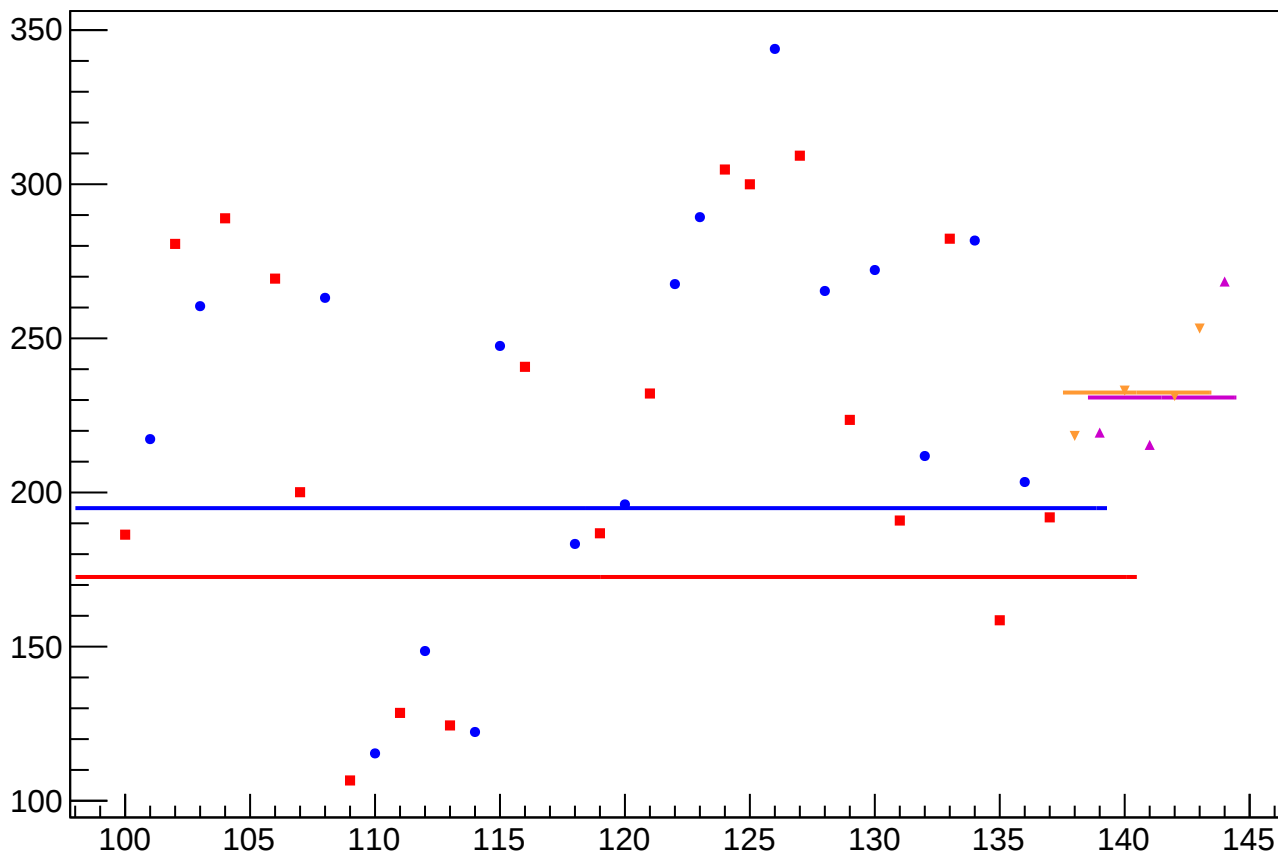
Left In: -237.033+/-149.959 χ^2/NDF : 0.9/2

+ sign 68.660+/-70.177 χ^2/NDF : 7.5/20

All: 13.411+/-47.177 χ^2/NDF : 17.6/42

- sign -32.147+/-63.726 χ^2/NDF : 9.0/21

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.927 $\pm$ 0.057 χ^2 /NDF: 1021893.7/16

Left Out: 232.427 $\pm$ 0.102 χ^2 /NDF:14993.1/3

Right Out: 172.594 $\pm$ 0.050 χ^2 /NDF: 1591420.0/18

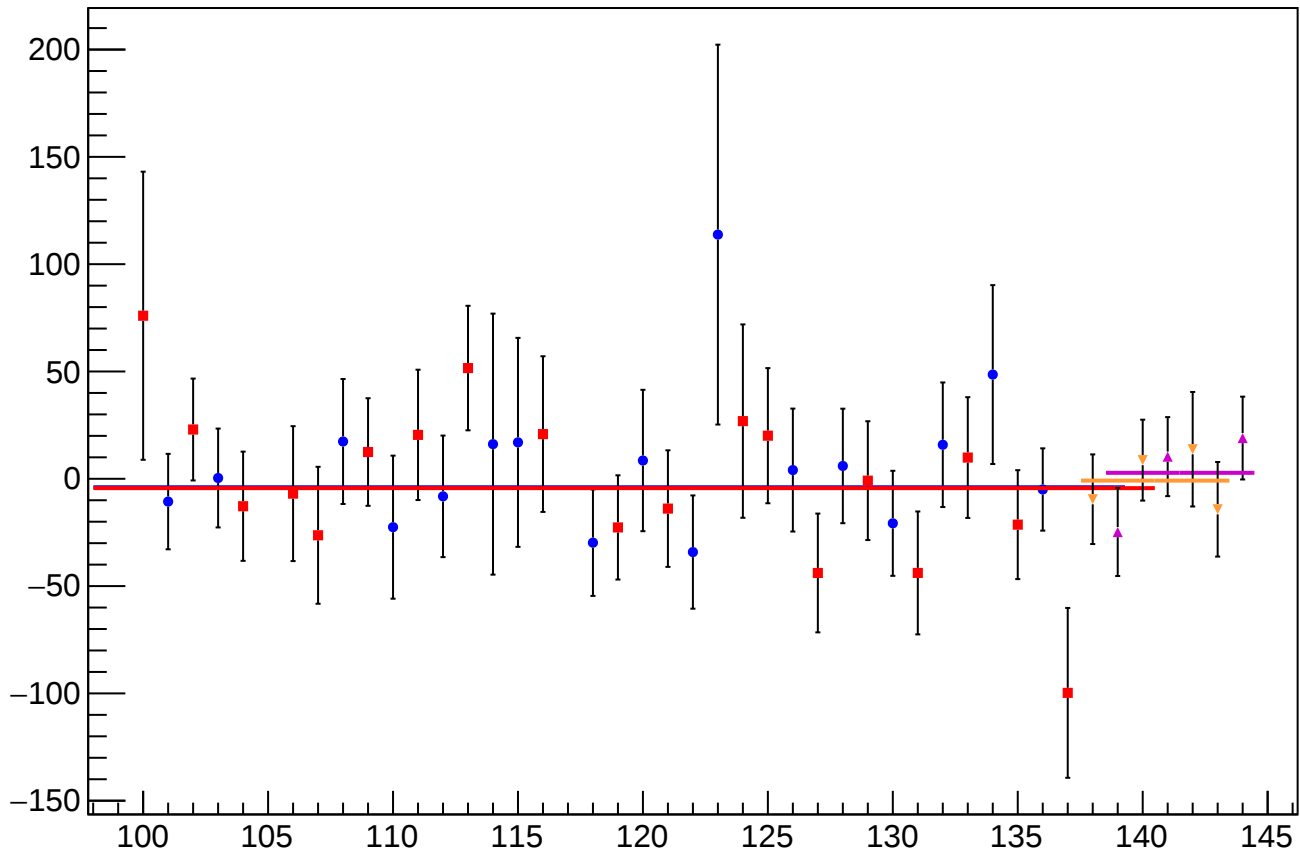
Left In: 230.814 $\pm$ 0.106 χ^2 /NDF:45712.6/2

+ sign 203.734 $\pm$ 0.050 χ^2 /NDF: 1139517.2/20

All: 192.429 $\pm$ 0.033 χ^2 /NDF: 3118375.6/42

- sign 183.107 $\pm$ 0.045 χ^2 /NDF: 1884160.2/21

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.959 $\pm$ 6.931 χ^2/NDF : 8.3/16

Left Out: -0.849 $\pm$ 10.801 χ^2/NDF : 1.1/3

Right Out: -4.358 $\pm$ 6.742 χ^2/NDF : 20.9/18

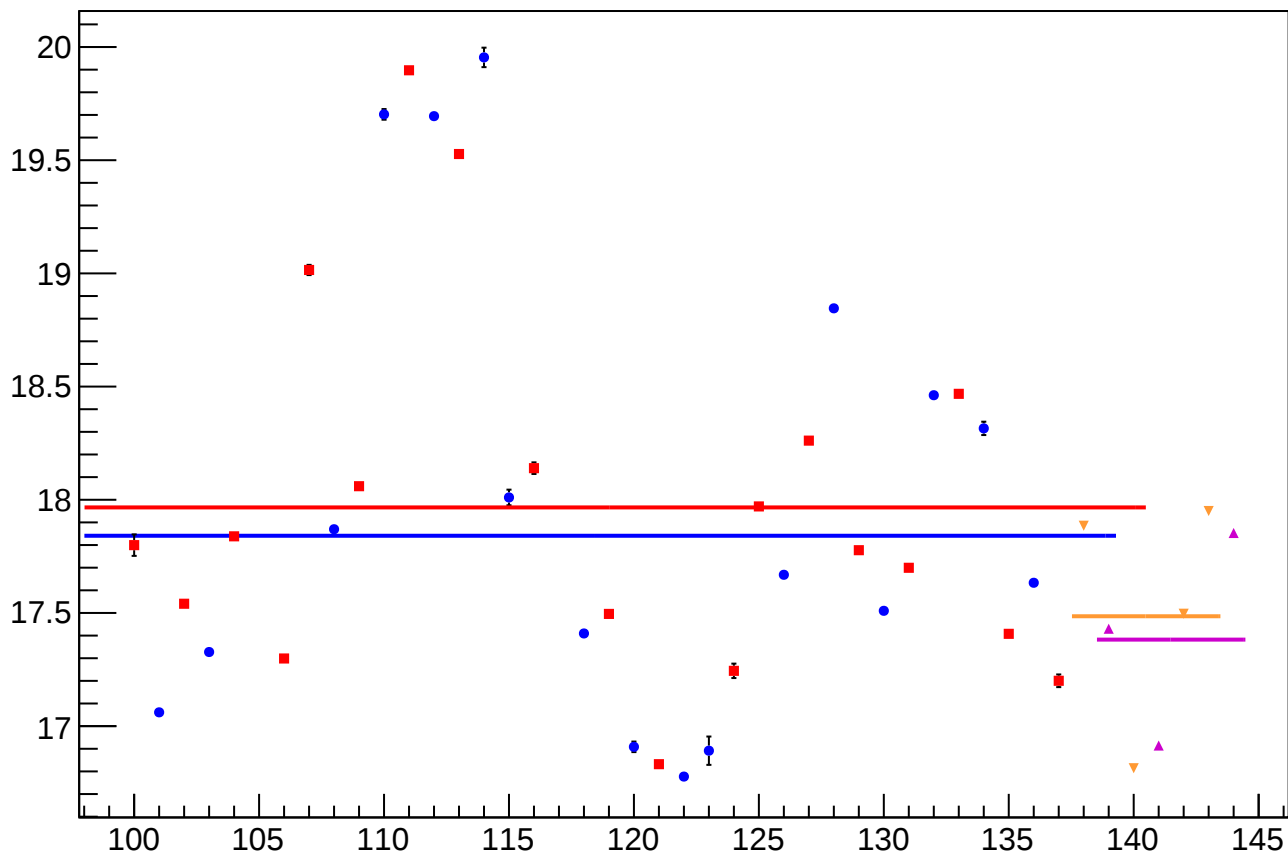
Left In: 2.778 $\pm$ 11.167 χ^2/NDF : 2.7/2

+ sign -3.052 $\pm$ 5.833 χ^2/NDF : 9.5/20

All: -2.749 $\pm$ 4.103 χ^2/NDF : 33.4/42

- sign -2.452 $\pm$ 5.772 χ^2/NDF : 23.9/21

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.841 $\pm$ 0.005 χ^2 /NDF: 31077.0/16

Left Out: 17.485 $\pm$ 0.008 χ^2 /NDF: 4161.5/3

Right Out: 17.966 $\pm$ 0.005 χ^2 /NDF: 25324.0/18

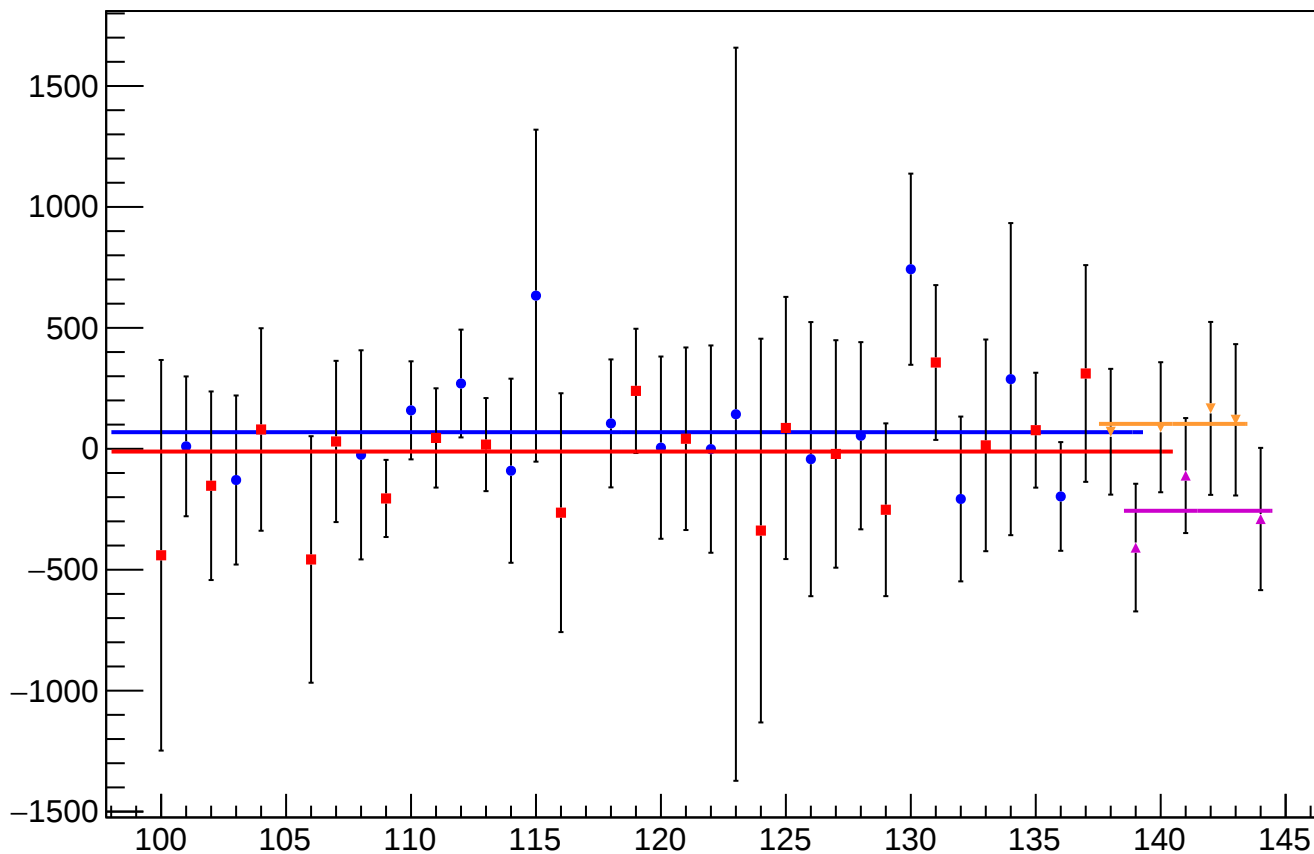
Left In: 17.382 $\pm$ 0.008 χ^2 /NDF: 2494.2/2

+ sign 17.737 $\pm$ 0.004 χ^2 /NDF: 36774.3/20

All: 17.774 $\pm$ 0.003 χ^2 /NDF: 68758.5/42

- sign 17.810 $\pm$ 0.004 χ^2 /NDF: 31826.3/21

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 68.704+/-80.783 χ^2/NDF : 7.5/16

Left Out: 103.025+/-146.392 χ^2/NDF : 0.1/3

Right Out: -11.402+/-71.054 χ^2/NDF : 6.7/18

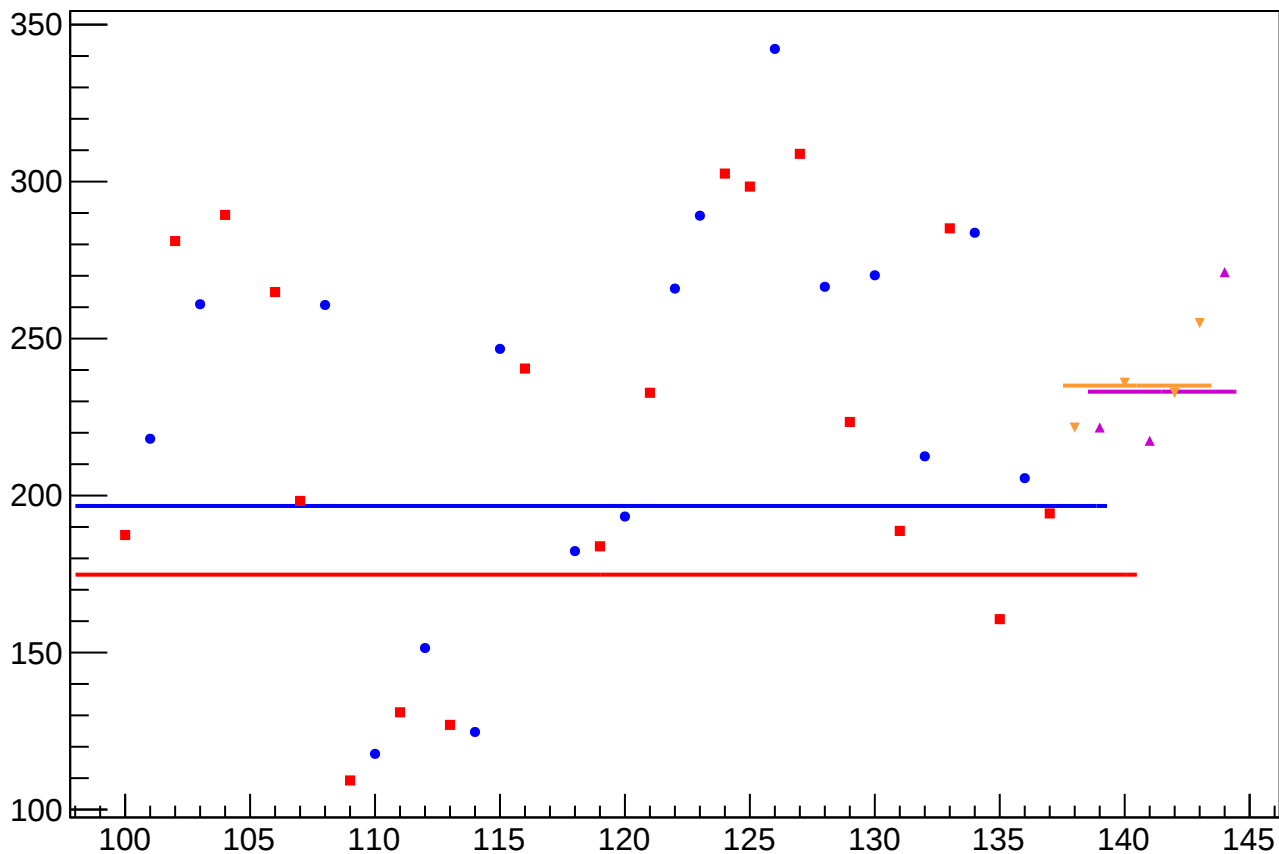
Left In: -256.294+/-151.427 χ^2/NDF : 0.7/2

+ sign 76.715+/-70.729 χ^2/NDF : 7.6/20

All: 4.302+/-47.588 χ^2/NDF : 19.0/42

- sign -55.591+/-64.324 χ^2/NDF : 9.6/21

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.690 $\pm$ 0.057 χ^2 /NDF: 966153.1/16

Left Out: 235.033 $\pm$ 0.104 χ^2 /NDF:13519.4/3

Right Out: 174.816 $\pm$ 0.050 χ^2 /NDF: 1506223.2/18

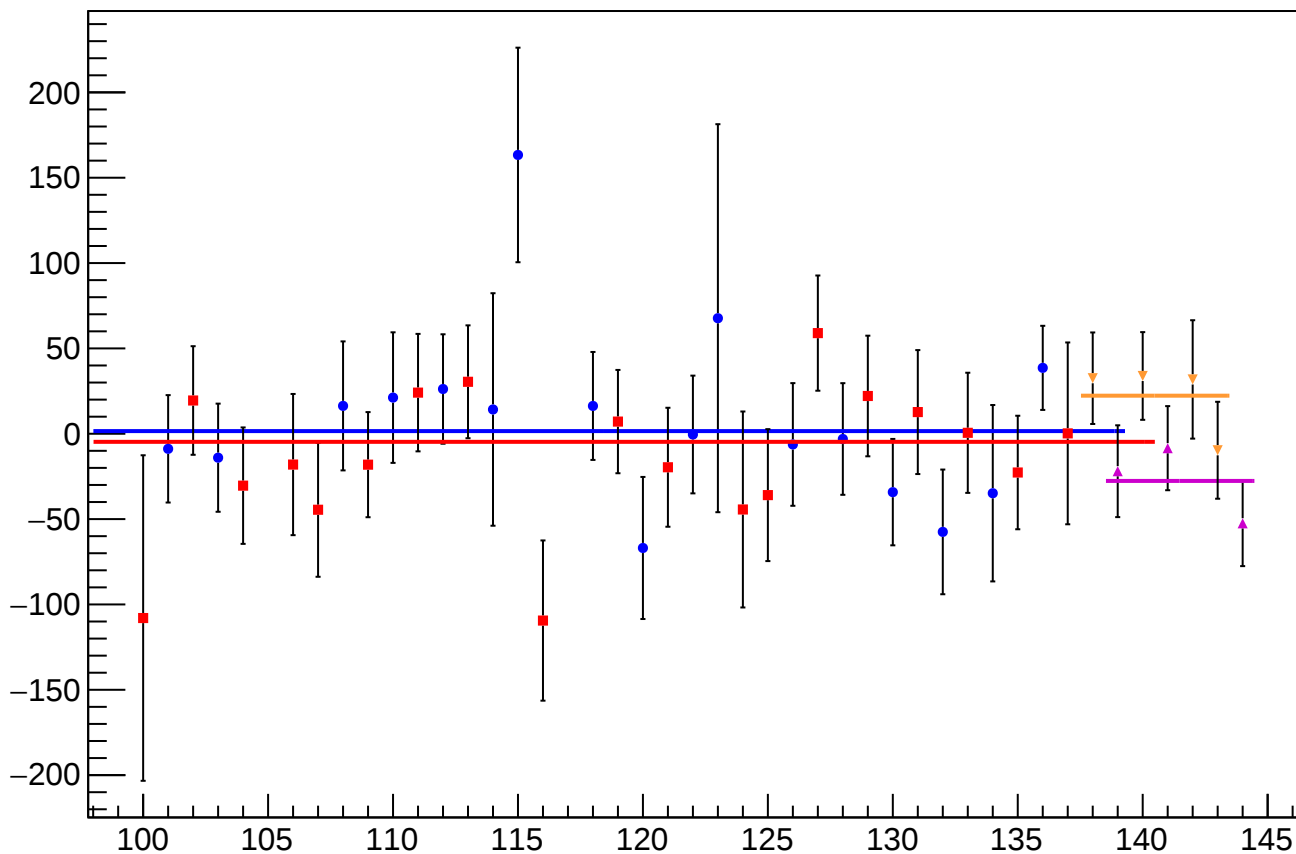
Left In: 233.091 $\pm$ 0.107 χ^2 /NDF:45893.3/2

+ sign 205.641 $\pm$ 0.050 χ^2 /NDF: 1084849.2/20

All: 194.525 $\pm$ 0.034 χ^2 /NDF: 2969965.1/42

- sign 185.332 $\pm$ 0.045 χ^2 /NDF: 1794867.7/21

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 1.556 ± 8.826 χ^2/NDF : 18.0/16

Left Out: 22.303 ± 14.173 χ^2/NDF : 1.7/3

Right Out: -4.732 ± 8.498 χ^2/NDF : 16.6/18

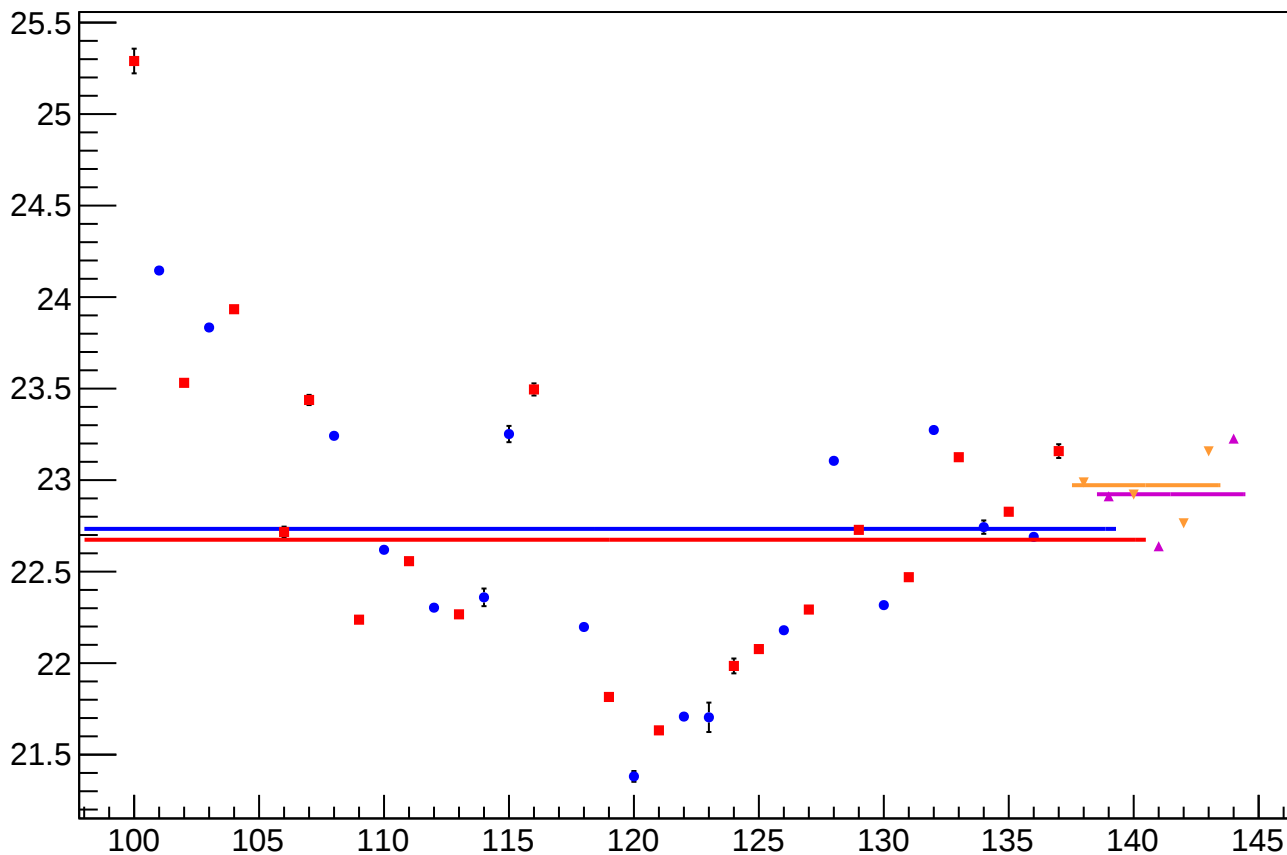
Left In: -27.637 ± 14.712 χ^2/NDF : 1.6/2

+ sign 7.353 ± 7.492 χ^2/NDF : 21.3/20

All: -1.715 ± 5.250 χ^2/NDF : 44.2/42

- sign -10.462 ± 7.358 χ^2/NDF : 20.1/21

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.734 ± 0.006 $\chi^2/\text{NDF}: 13530.3/16$

Left Out: 22.972 ± 0.010 $\chi^2/\text{NDF}: 165.5/3$

Right Out: 22.674 ± 0.006 $\chi^2/\text{NDF}: 12809.0/18$

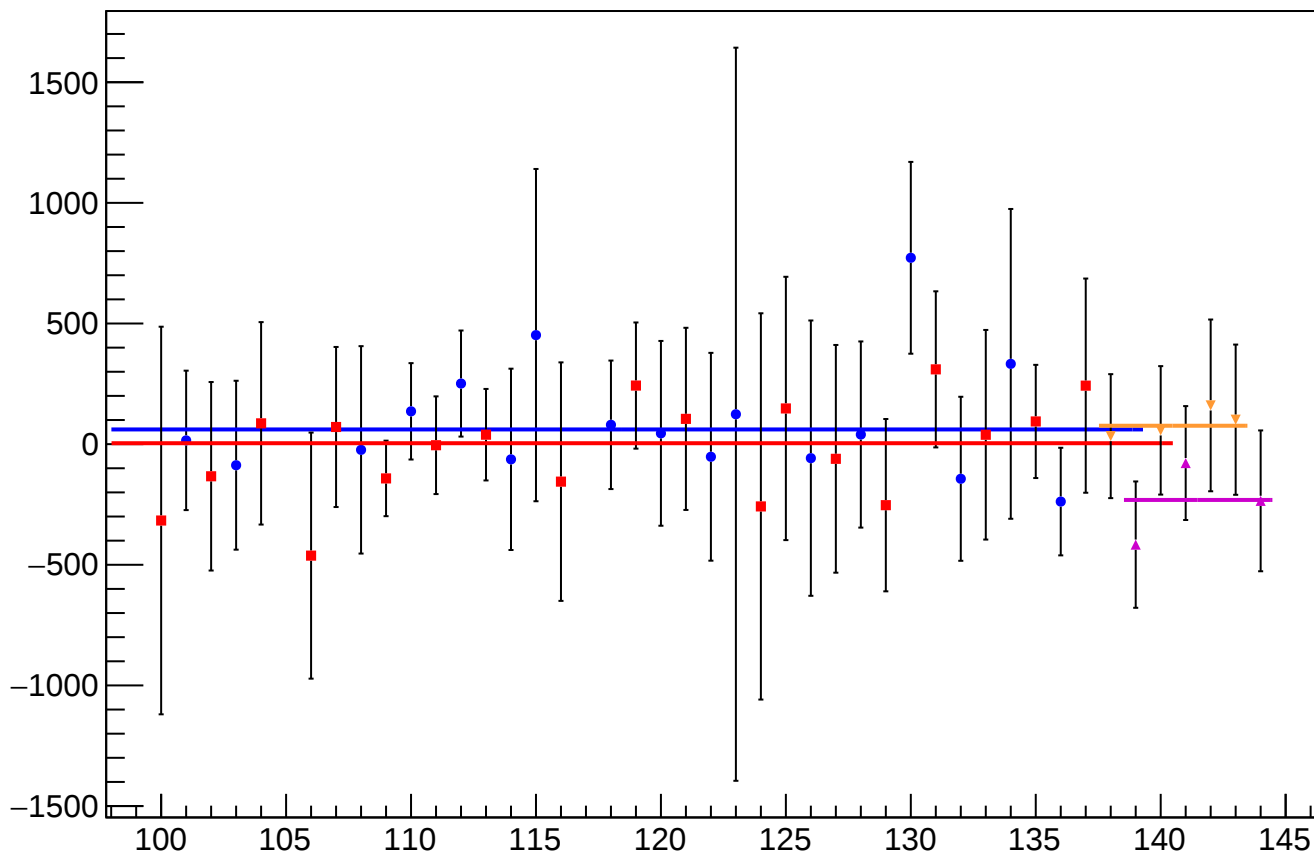
Left In: 22.923 ± 0.010 $\chi^2/\text{NDF}: 560.3/2$

+ sign 22.800 ± 0.005 $\chi^2/\text{NDF}: 14104.4/20$

All: 22.768 ± 0.004 $\chi^2/\text{NDF}: 27976.1/42$

- sign 22.736 ± 0.005 $\chi^2/\text{NDF}: 13797.7/21$

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.929 $\pm$ 80.431 χ^2 /NDF: 7.2/16

Left Out: 76.285 $\pm$ 145.133 χ^2 /NDF: 0.1/3

Right Out: 3.845 $\pm$ 70.561 χ^2 /NDF: 5.2/18

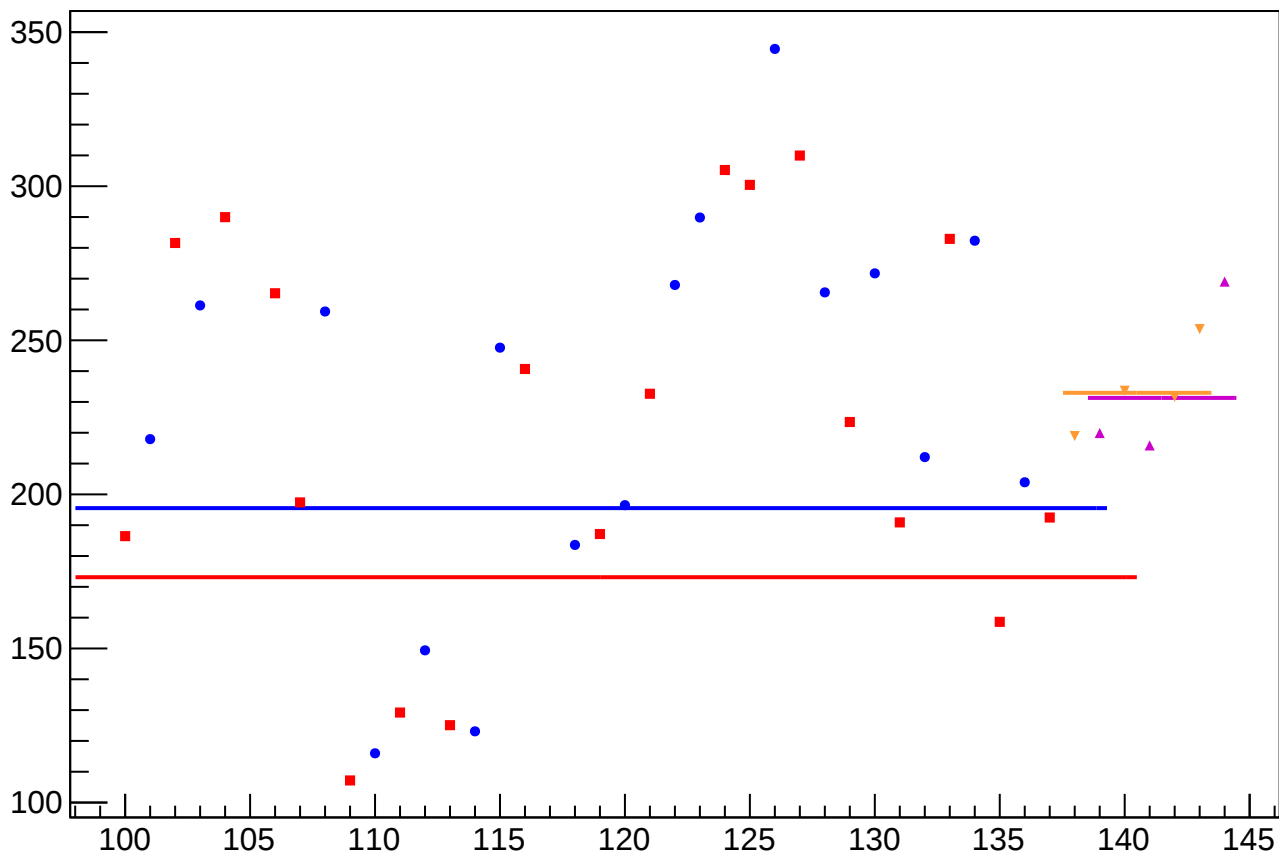
Left In: -231.280 $\pm$ 150.279 χ^2 /NDF: 0.9/2

+ sign 64.537 $\pm$ 70.350 χ^2 /NDF: 7.3/20

All: 7.986 $\pm$ 47.289 χ^2 /NDF: 16.6/42

- sign -38.628 $\pm$ 63.871 χ^2 /NDF: 8.1/21

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.543 $\pm$ 0.057 χ^2 /NDF: 1006207.5/16

Left Out: 232.960 $\pm$ 0.103 χ^2 /NDF:14819.9/3

Right Out: 173.124 $\pm$ 0.050 χ^2 /NDF: 1572874.3/18

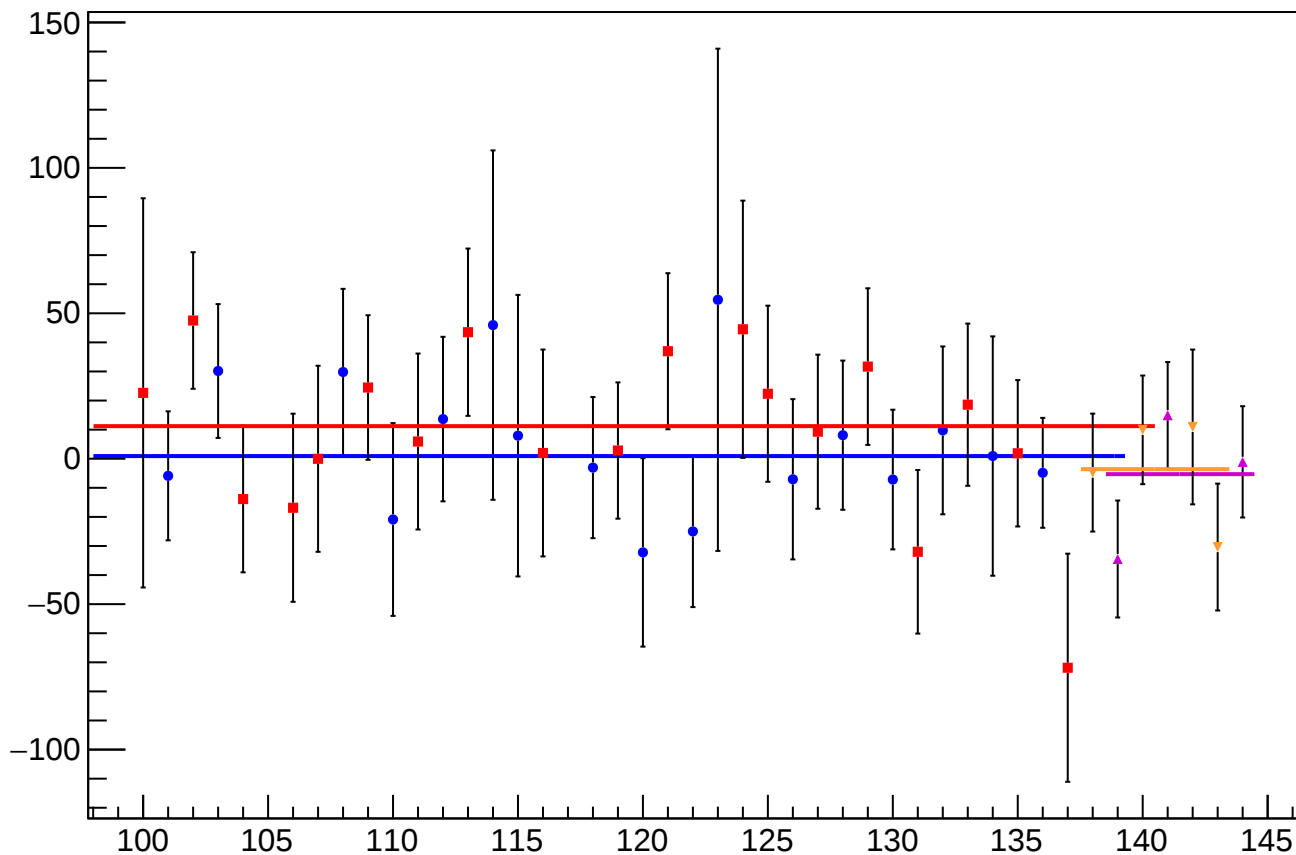
Left In: 231.307 $\pm$ 0.106 χ^2 /NDF:45778.9/2

+ sign 204.335 $\pm$ 0.050 χ^2 /NDF: 1122724.2/20

All: 192.988 $\pm$ 0.033 χ^2 /NDF: 3081935.0/42

- sign 183.634 $\pm$ 0.045 χ^2 /NDF: 1864287.1/21

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.909 ± 6.829 χ^2/NDF : 6.9/16

Left Out: -3.583 ± 10.650 χ^2/NDF : 2.3/3

Right Out: 11.200 ± 6.644 χ^2/NDF : 15.3/18

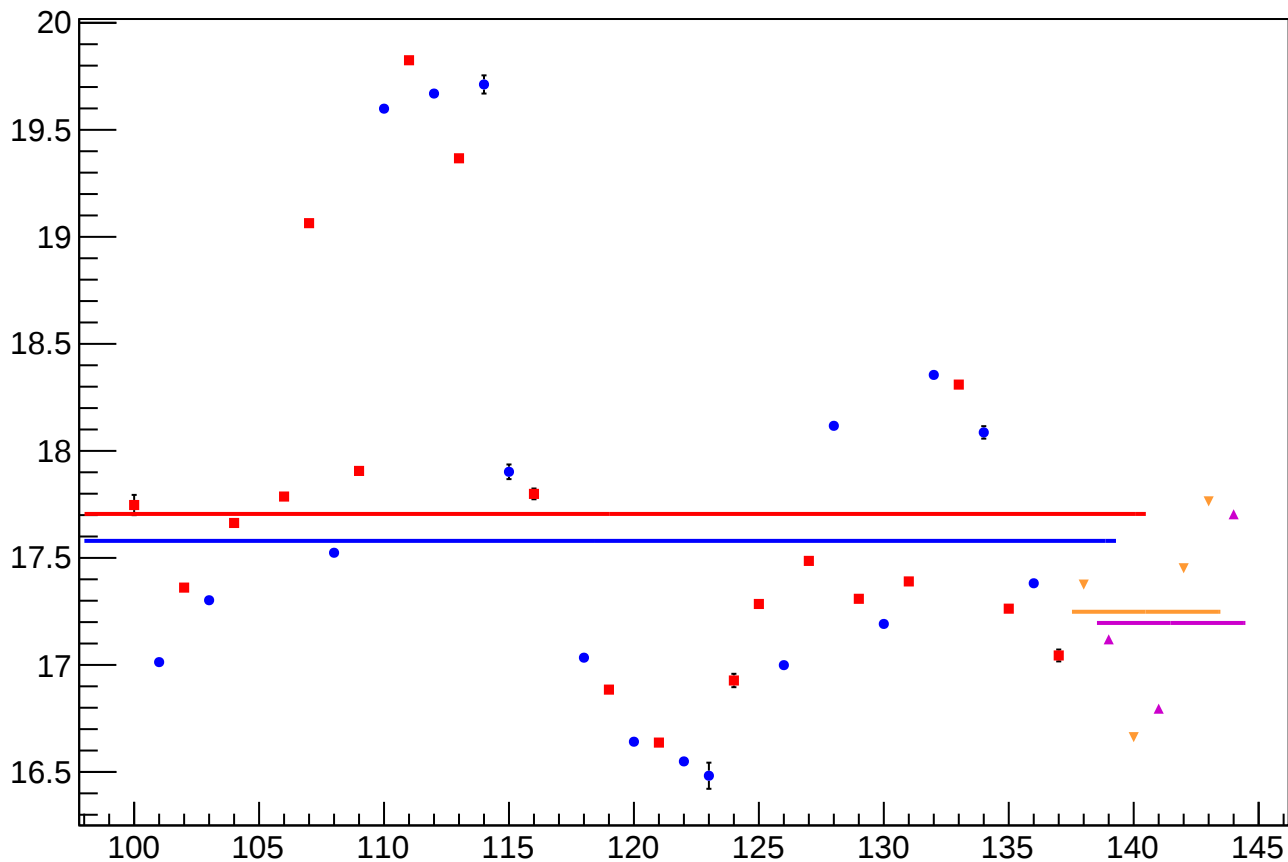
Left In: -5.305 ± 11.045 χ^2/NDF : 3.4/2

+ sign -0.400 ± 5.749 χ^2/NDF : 9.3/20

All: 3.243 ± 4.045 χ^2/NDF : 30.5/42

- sign 6.815 ± 5.693 χ^2/NDF : 20.3/21

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.580 $\pm$ 0.005 χ^2 /NDF: 32962.1/16

Left Out: 17.248 $\pm$ 0.008 χ^2 /NDF: 3282.9/3

Right Out: 17.705 $\pm$ 0.005 χ^2 /NDF: 30276.7/18

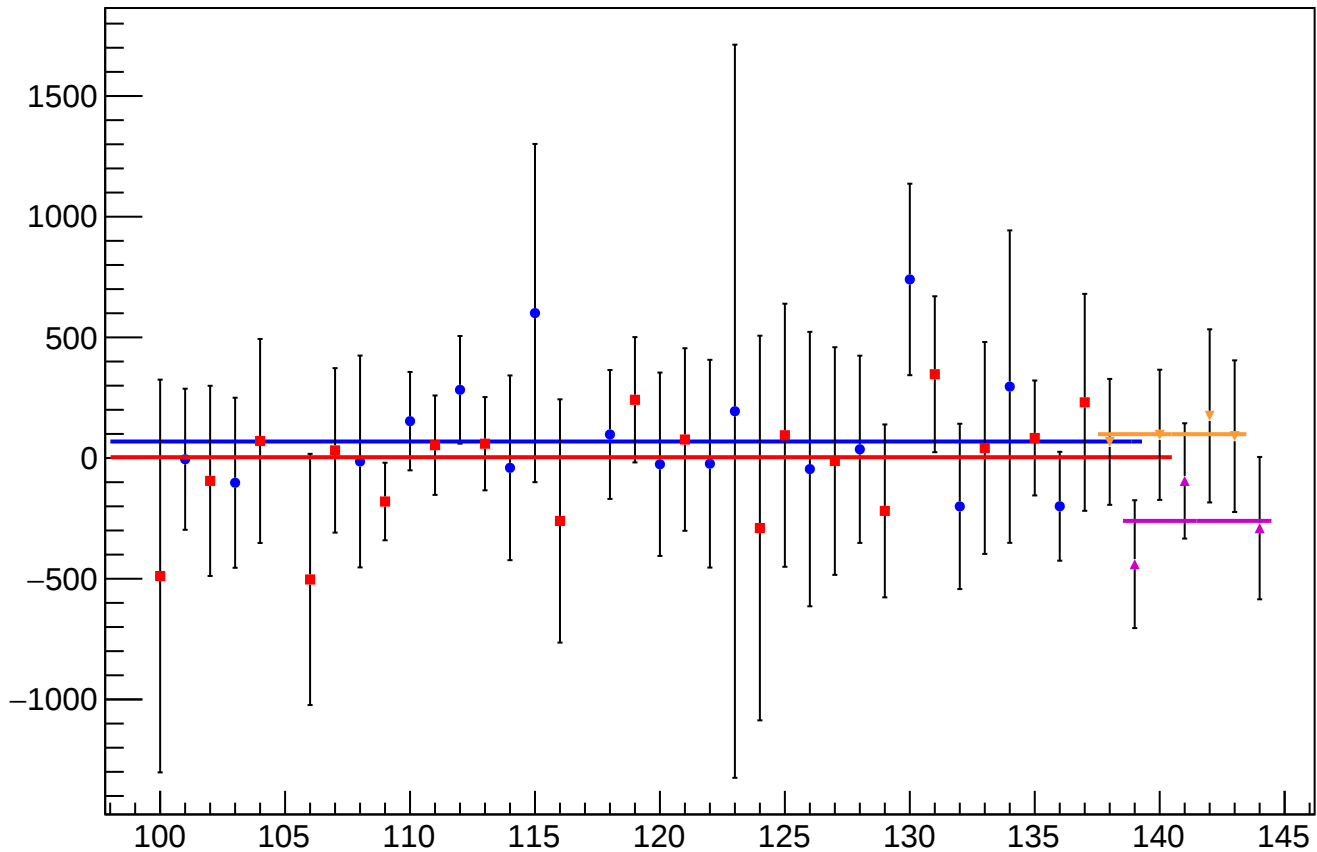
Left In: 17.196 $\pm$ 0.008 χ^2 /NDF: 2397.3/2

+ sign 17.483 $\pm$ 0.004 χ^2 /NDF: 37615.4/20

All: 17.527 $\pm$ 0.003 χ^2 /NDF: 73643.9/42

- sign 17.570 $\pm$ 0.004 χ^2 /NDF: 35797.0/21

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.625 $\pm$ 81.256 χ^2 /NDF: 7.3/16

Left Out: 99.000 $\pm$ 146.877 χ^2 /NDF:0.1/3

Right Out: 3.617 $\pm$ 71.551 χ^2 /NDF: 6.1/18

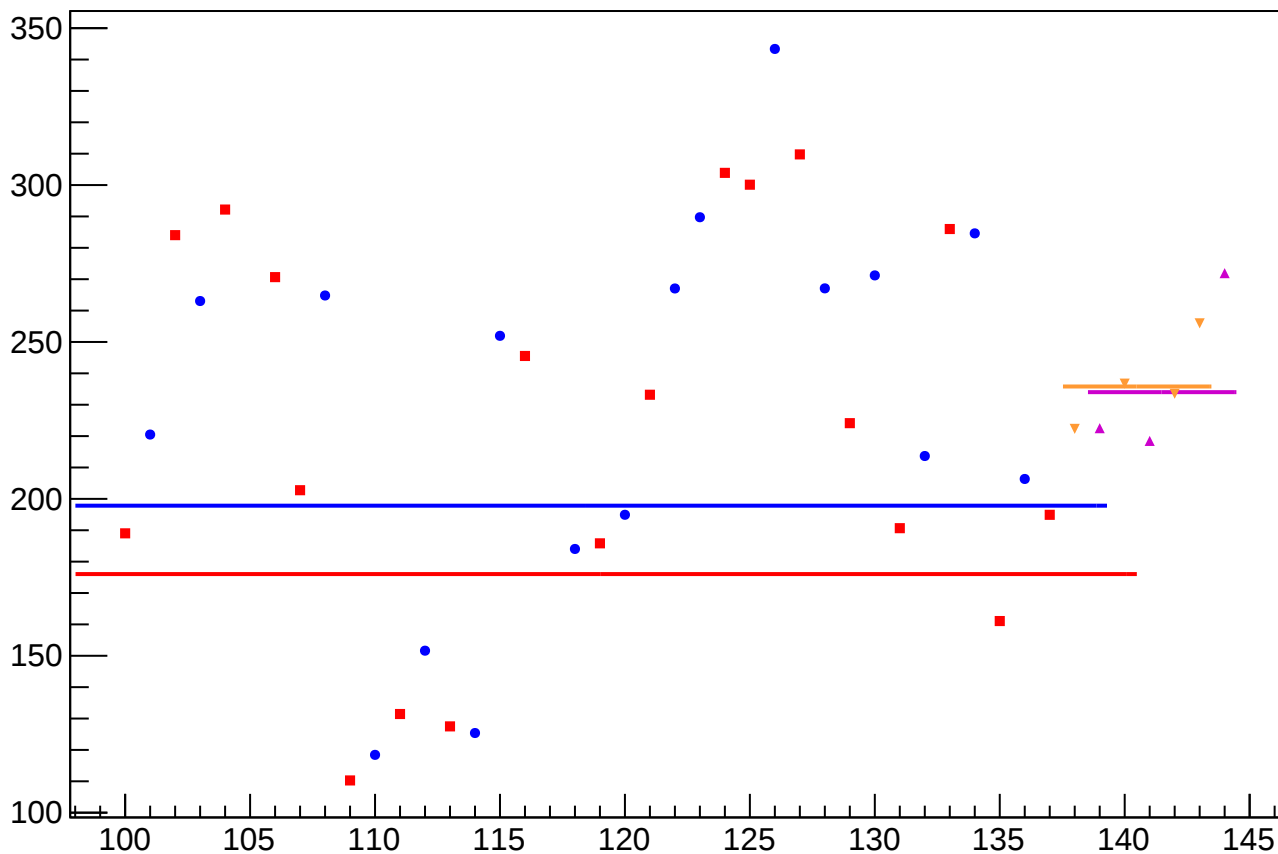
Left In: -260.197 $\pm$ 152.009 χ^2 /NDF:0.9/2

+ sign 75.743 $\pm$ 71.101 χ^2 /NDF: 7.4/20

All: 10.148 $\pm$ 47.868 χ^2 /NDF: 18.4/42

- sign -44.232 $\pm$ 64.738 χ^2 /NDF: 9.5/21

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.832 $\pm$ 0.057 χ^2 /NDF: 971081.8/16

Left Out: 235.810 $\pm$ 0.104 χ^2 /NDF:13680.1/3

Right Out: 176.036 $\pm$ 0.051 χ^2 /NDF: 1514906.1/18

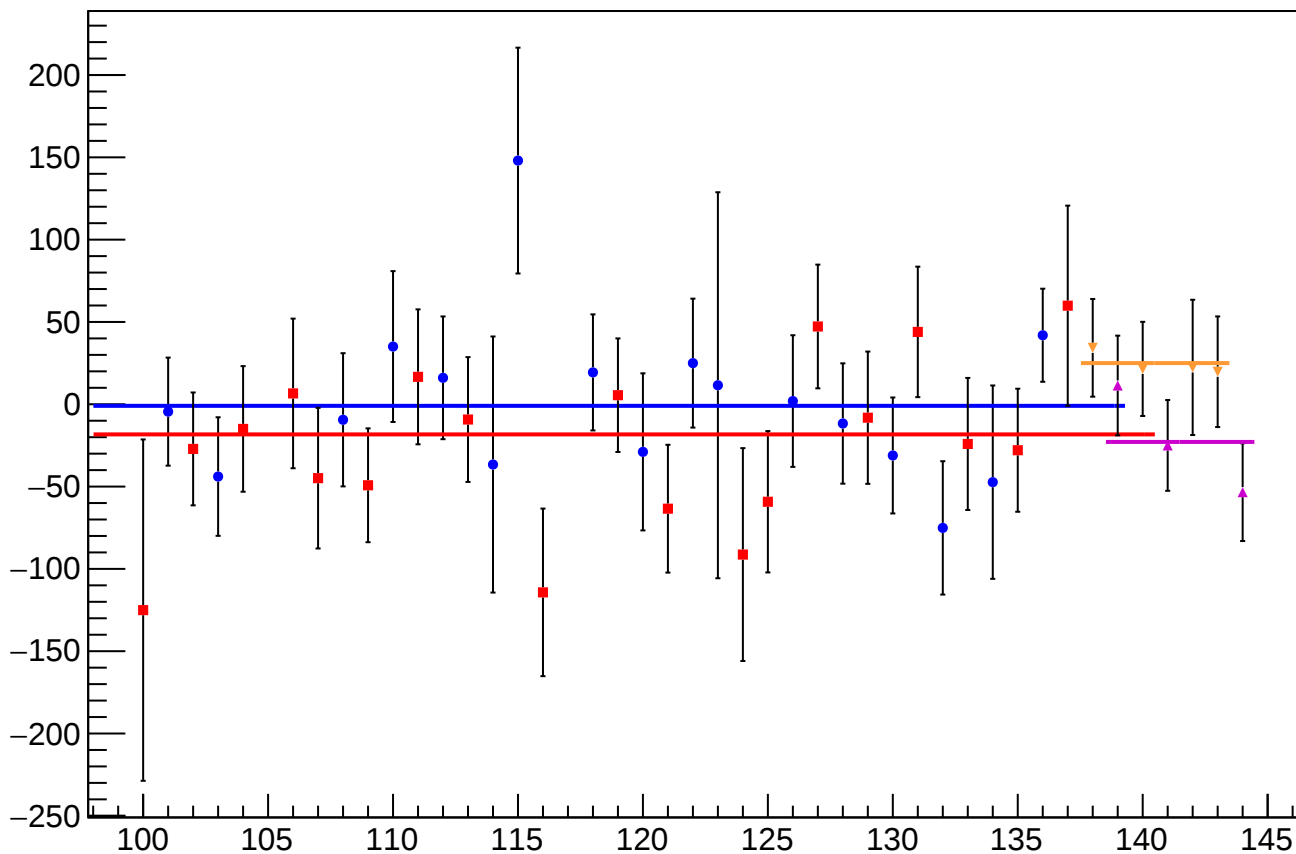
Left In: 234.007 $\pm$ 0.107 χ^2 /NDF:45286.2/2

+ sign 206.732 $\pm$ 0.050 χ^2 /NDF: 1087146.5/20

All: 195.698 $\pm$ 0.034 χ^2 /NDF: 2973548.2/42

- sign 186.551 $\pm$ 0.046 χ^2 /NDF: 1798311.6/21

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.953 ± 9.909 χ^2/NDF : 15.5/16

Left Out: 25.015 ± 16.145 χ^2/NDF : 0.1/3

Right Out: -18.305 ± 9.519 χ^2/NDF : 18.3/18

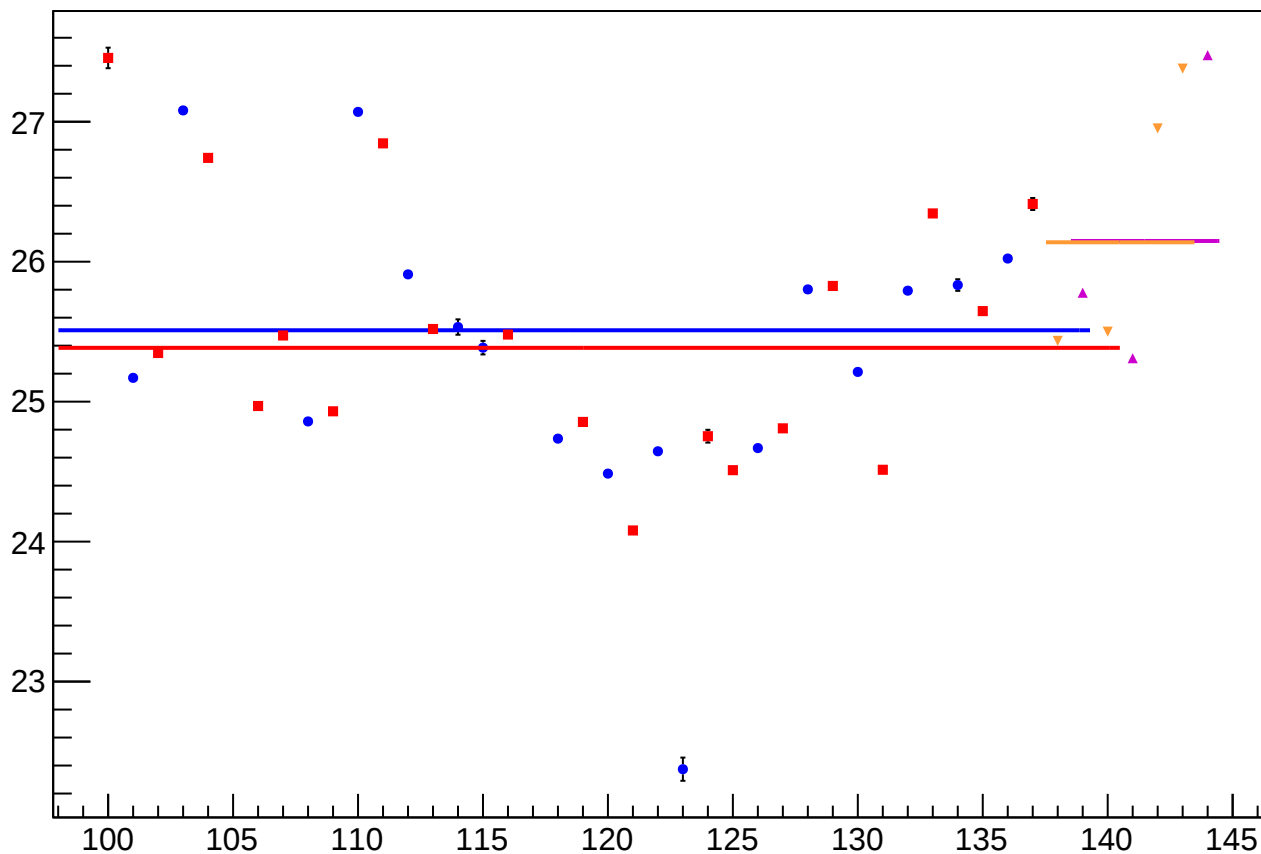
Left In: -22.878 ± 16.807 χ^2/NDF : 2.3/2

+ sign 6.153 ± 8.445 χ^2/NDF : 17.5/20

All: -6.880 ± 5.914 χ^2/NDF : 42.8/42

- sign -19.416 ± 8.283 χ^2/NDF : 20.7/21

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.510 $\pm$ 0.007 χ^2 /NDF: 13357.4/16

Left Out: 26.139 $\pm$ 0.011 χ^2 /NDF: 5635.8/3

Right Out: 25.385 $\pm$ 0.007 χ^2 /NDF: 13669.3/18

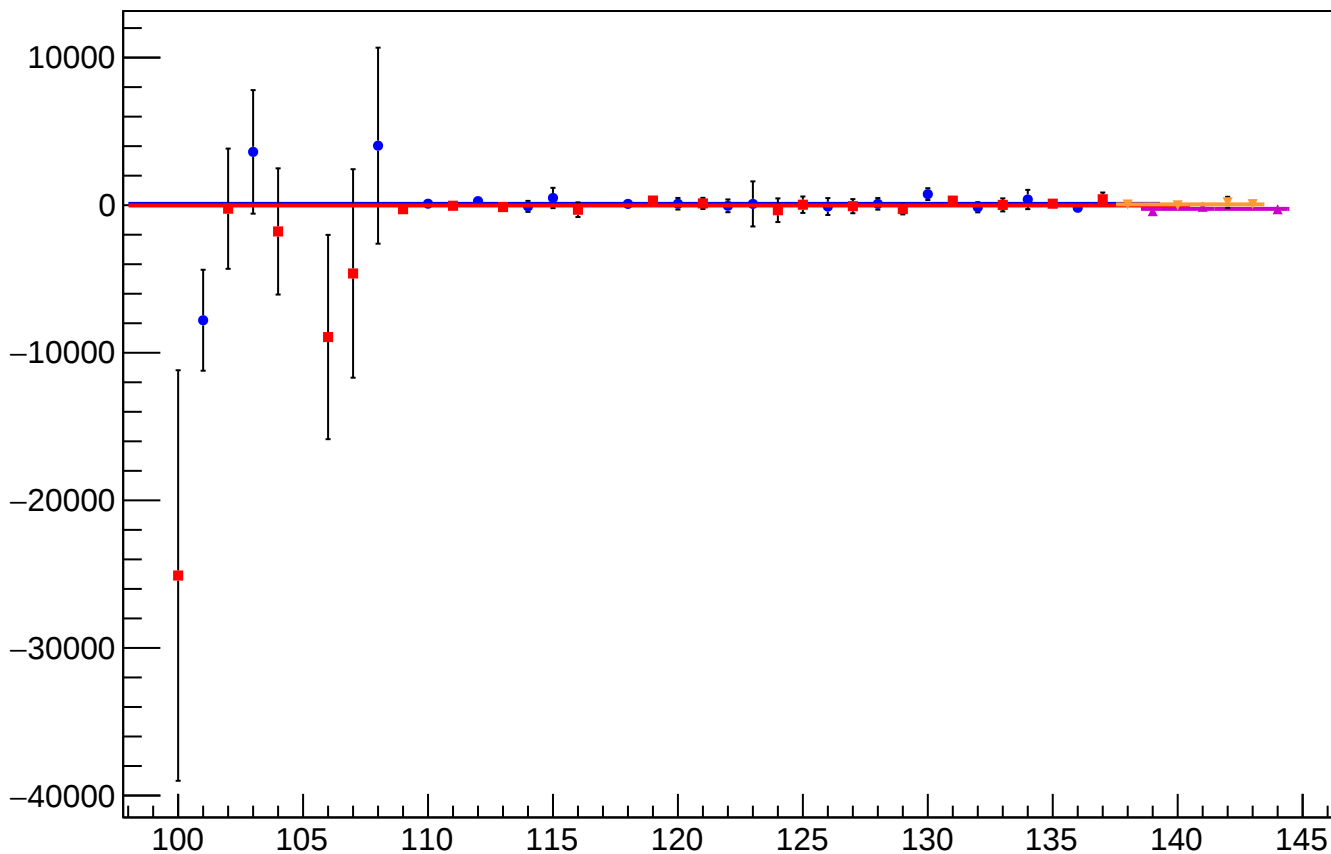
Left In: 26.148 $\pm$ 0.012 χ^2 /NDF: 6141.6/2

+ sign 25.682 $\pm$ 0.006 χ^2 /NDF: 21195.9/20

All: 25.625 $\pm$ 0.004 χ^2 /NDF: 44311.5/42

- sign 25.570 $\pm$ 0.006 χ^2 /NDF: 22936.1/21

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 88.017+/-88.732 χ^2/NDF : 12.6/16

Left Out: 56.016+/-147.293 χ^2/NDF : 0.2/3

Right Out: -19.598+/-80.969 χ^2/NDF : 12.0/18

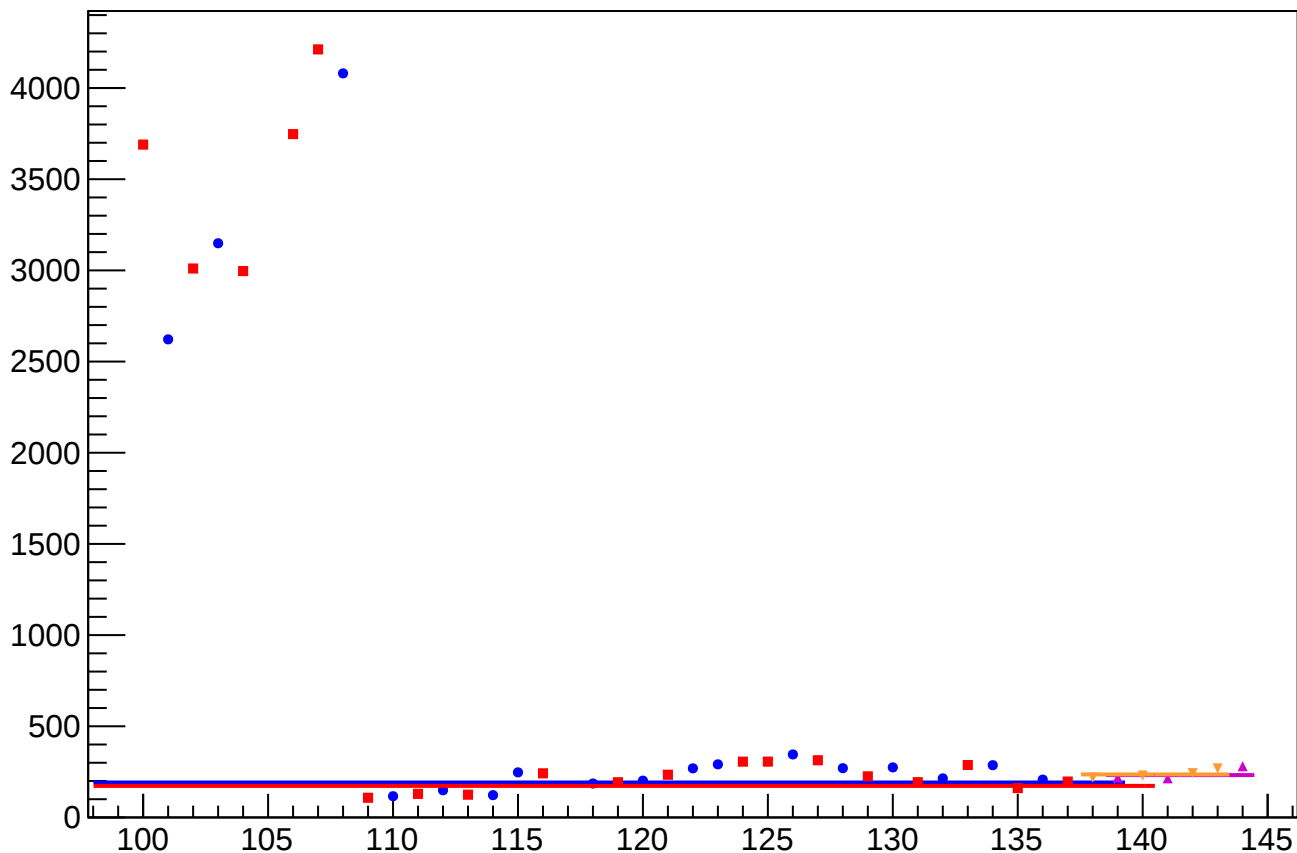
Left In: -248.899+/-151.363 χ^2/NDF : 0.7/2

+ sign 79.496+/-76.006 χ^2/NDF : 12.8/20

All: -0.249+/-52.038 χ^2/NDF : 29.4/42

- sign -70.615+/-71.396 χ^2/NDF : 14.5/21

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.711 $\pm$ 0.063 χ^2 /NDF: 3575897.6/16

Left Out: 235.959 $\pm$ 0.104 χ^2 /NDF:30996.3/3

Right Out: 173.097 $\pm$ 0.057 χ^2 /NDF: 4201745.6/18

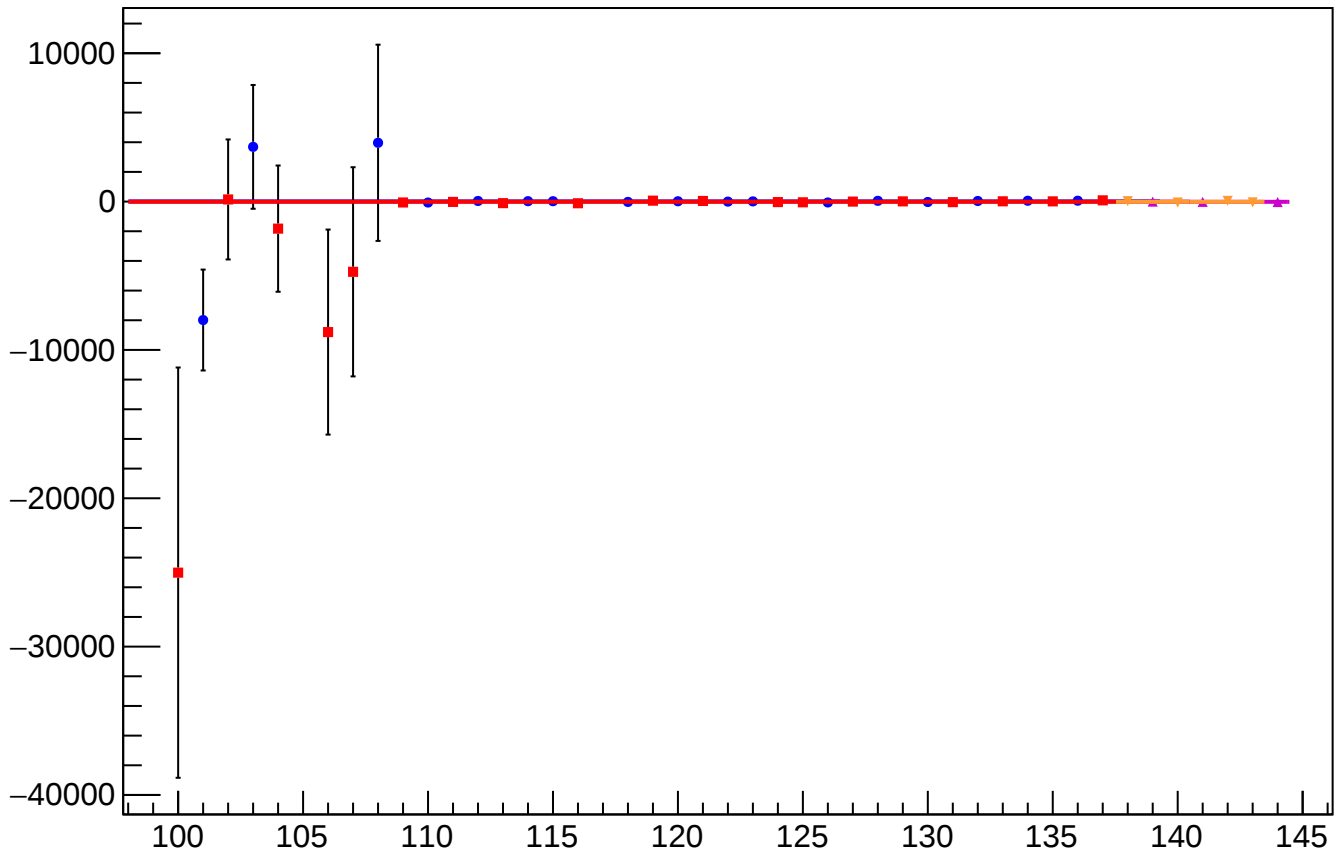
Left In: 232.336 $\pm$ 0.107 χ^2 /NDF:67625.9/2

+ sign 203.493 $\pm$ 0.054 χ^2 /NDF: 3739319.6/20

All: 194.347 $\pm$ 0.037 χ^2 /NDF: 8301391.3/42

- sign 186.277 $\pm$ 0.050 χ^2 /NDF: 4507556.3/21

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.697 ± 12.319 χ^2/NDF : 19.0/16

Left Out: -16.696 ± 18.764 χ^2/NDF : 6.4/3

Right Out: -11.602 ± 12.269 χ^2/NDF : 24.3/18

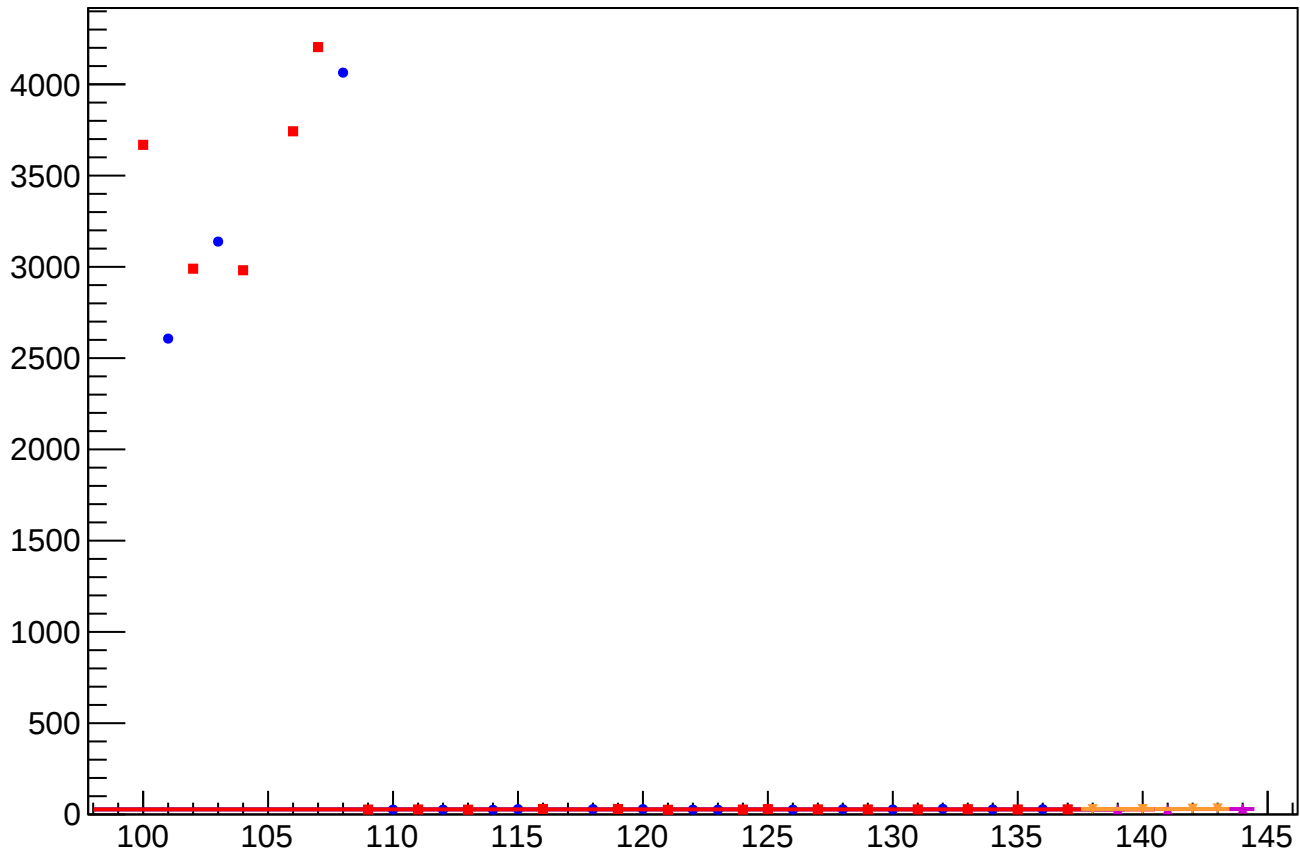
Left In: -16.360 ± 19.133 χ^2/NDF : 0.4/2

+ sign 2.446 ± 10.298 χ^2/NDF : 26.9/20

All: -5.249 ± 7.292 χ^2/NDF : 52.7/42

- sign -12.988 ± 10.328 χ^2/NDF : 24.7/21

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.874 $\pm$ 0.009 χ^2 /NDF: 3027804.9/16

Left Out: 30.269 $\pm$ 0.013 χ^2 /NDF:14227.9/3

Right Out: 27.715 $\pm$ 0.009 χ^2 /NDF: 3476945.4/18

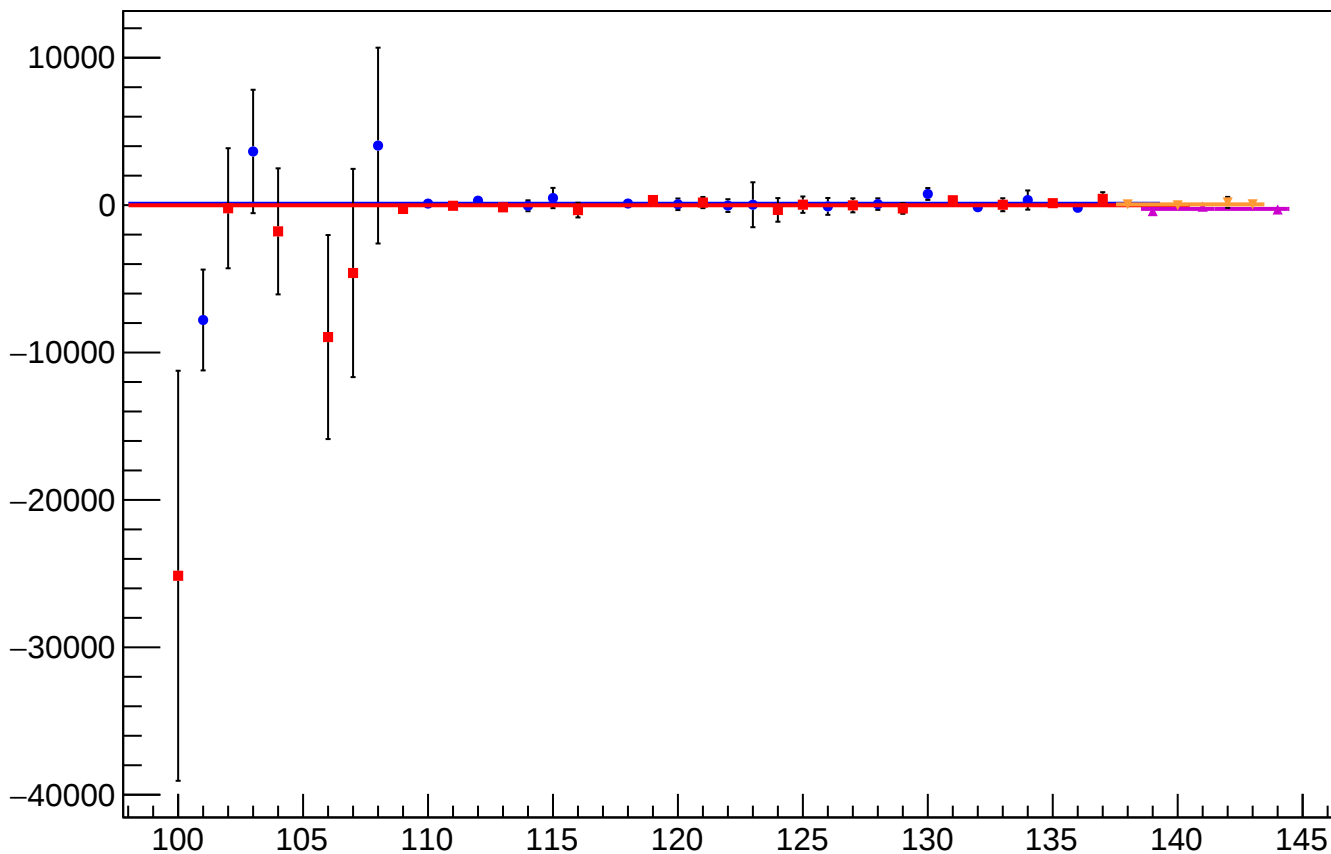
Left In: 29.699 $\pm$ 0.014 χ^2 /NDF:16636.8/2

+ sign 28.595 $\pm$ 0.007 χ^2 /NDF: 3064811.0/20

All: 28.445 $\pm$ 0.005 χ^2 /NDF: 6574499.6/42

- sign 28.293 $\pm$ 0.007 χ^2 /NDF: 3508827.9/21

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 93.587 $\pm$ 88.455 χ^2 /NDF: 12.8/16

Left Out: 51.891 $\pm$ 146.959 χ^2 /NDF: 0.2/3

Right Out: -9.682 $\pm$ 80.708 χ^2 /NDF: 12.8/18

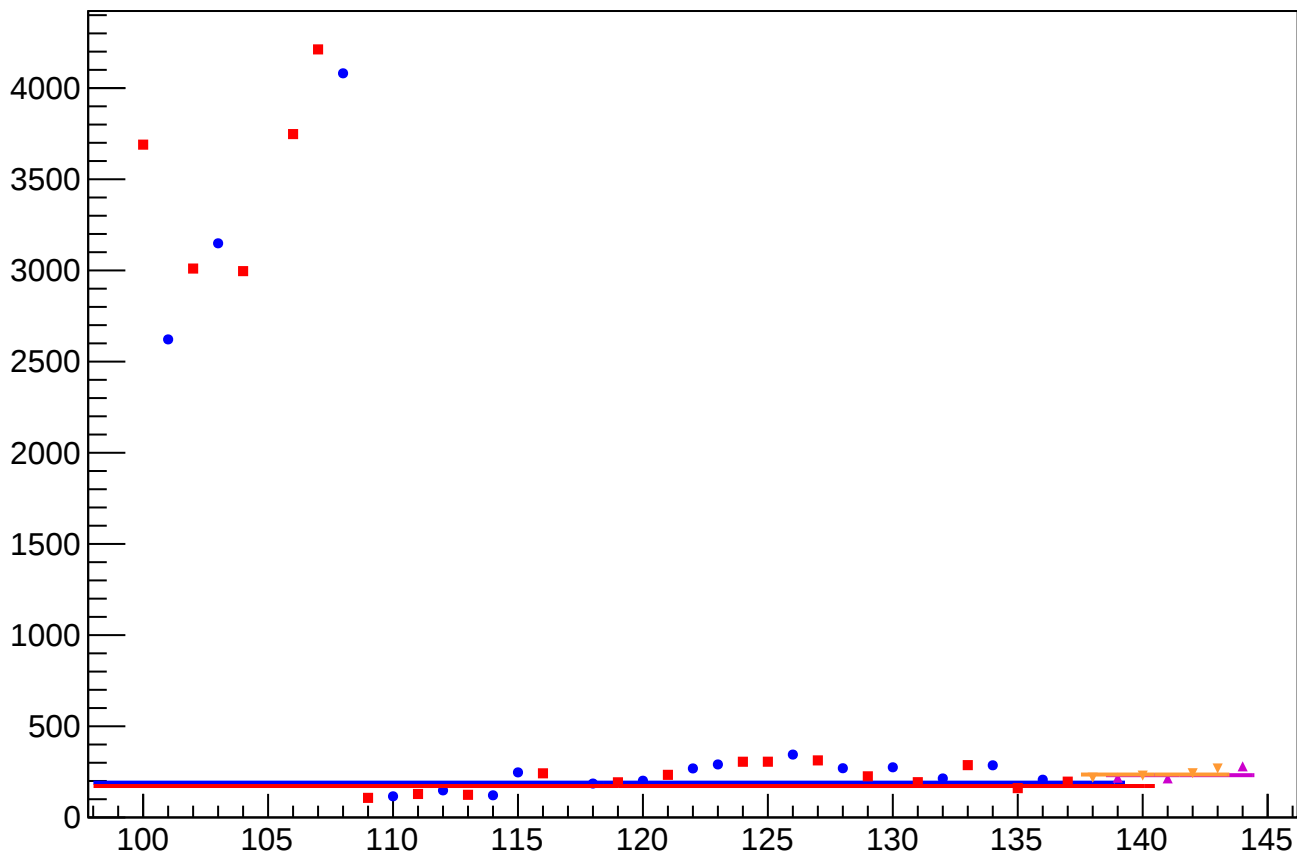
Left In: -254.488 $\pm$ 151.046 χ^2 /NDF: 0.8/2

+ sign 82.498 $\pm$ 75.786 χ^2 /NDF: 13.0/20

All: 4.639 $\pm$ 51.885 χ^2 /NDF: 30.6/42

- sign -64.052 $\pm$ 71.183 χ^2 /NDF: 15.6/21

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.997 $\pm$ 0.063 χ^2 /NDF: 3587805.7/16

Left Out: 235.416 $\pm$ 0.104 χ^2 /NDF:31333.4/3

Right Out: 172.430 $\pm$ 0.057 χ^2 /NDF: 4212918.4/18

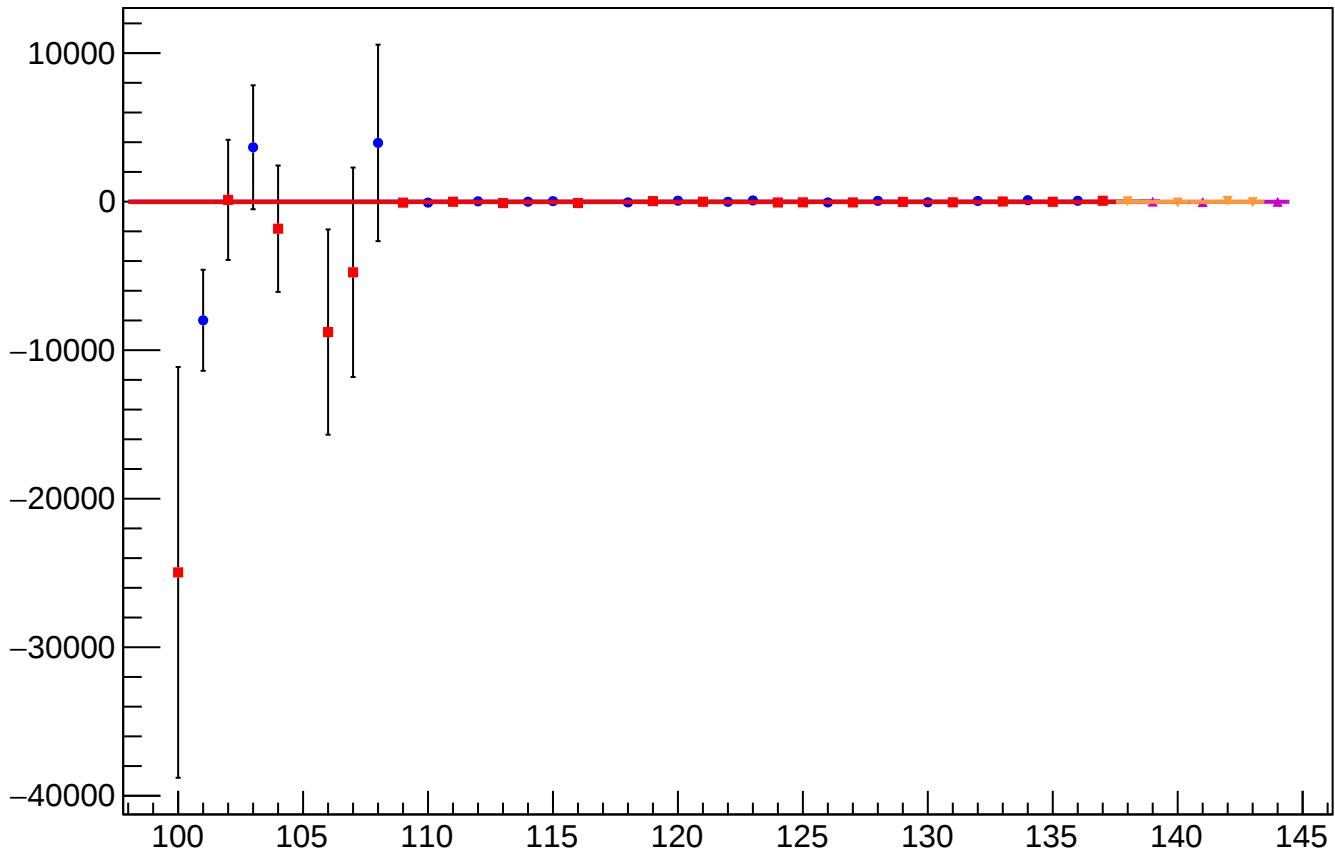
Left In: 231.848 $\pm$ 0.107 χ^2 /NDF:67588.1/2

+ sign 202.810 $\pm$ 0.054 χ^2 /NDF: 3753261.4/20

All: 193.681 $\pm$ 0.037 χ^2 /NDF: 8329150.3/42

- sign 185.626 $\pm$ 0.050 χ^2 /NDF: 4521262.5/21

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 7.963 $\pm$ 12.403 χ^2/NDF : 22.9/16

Left Out: -16.666 $\pm$ 18.868 χ^2/NDF : 5.7/3

Right Out: -28.182 $\pm$ 12.369 χ^2/NDF : 16.5/18

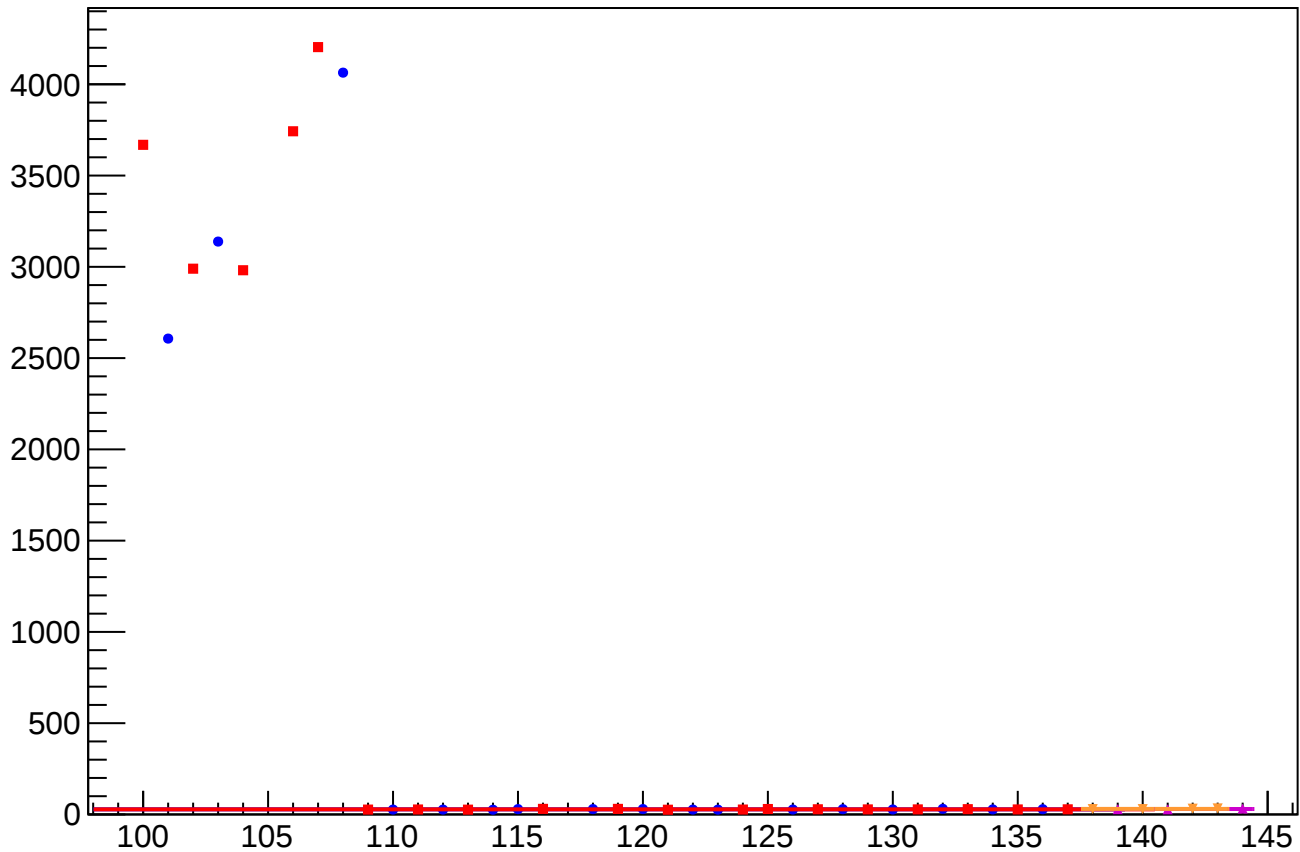
Left In: -9.994 $\pm$ 19.218 χ^2/NDF : 0.4/2

+ sign 0.531 $\pm$ 10.364 χ^2/NDF : 29.7/20

All: -11.120 $\pm$ 7.342 χ^2/NDF : 49.8/42

- sign -22.854 $\pm$ 10.401 χ^2/NDF : 17.5/21

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.059+/-0.009 χ^2/NDF : 3028297.0/16

Left Out: 30.435+/-0.013 χ^2/NDF :14473.3/3

Right Out: 27.935+/-0.009 χ^2/NDF : 3479859.0/18

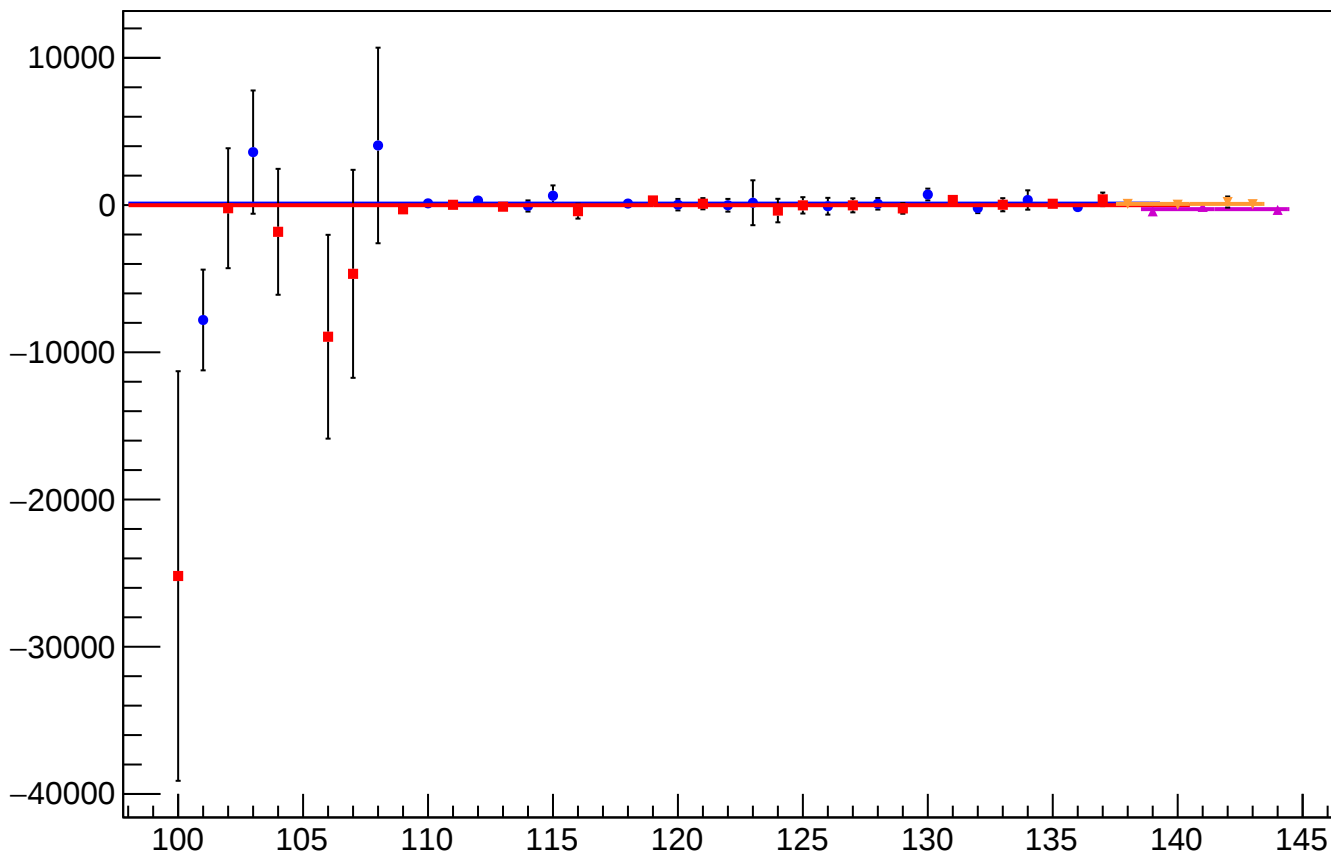
Left In: 29.826+/-0.014 χ^2/NDF :17786.1/2

+ sign 28.776+/-0.007 χ^2/NDF : 3064912.6/20

All: 28.633+/-0.005 χ^2/NDF : 6577009.5/42

- sign 28.489+/-0.007 χ^2/NDF : 3511335.1/21

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 99.706 $\pm$ 89.513 χ^2 /NDF: 12.6/16

Left Out: 78.784 $\pm$ 149.028 χ^2 /NDF: 0.2/3

Right Out: -8.453 $\pm$ 81.796 χ^2 /NDF: 12.3/18

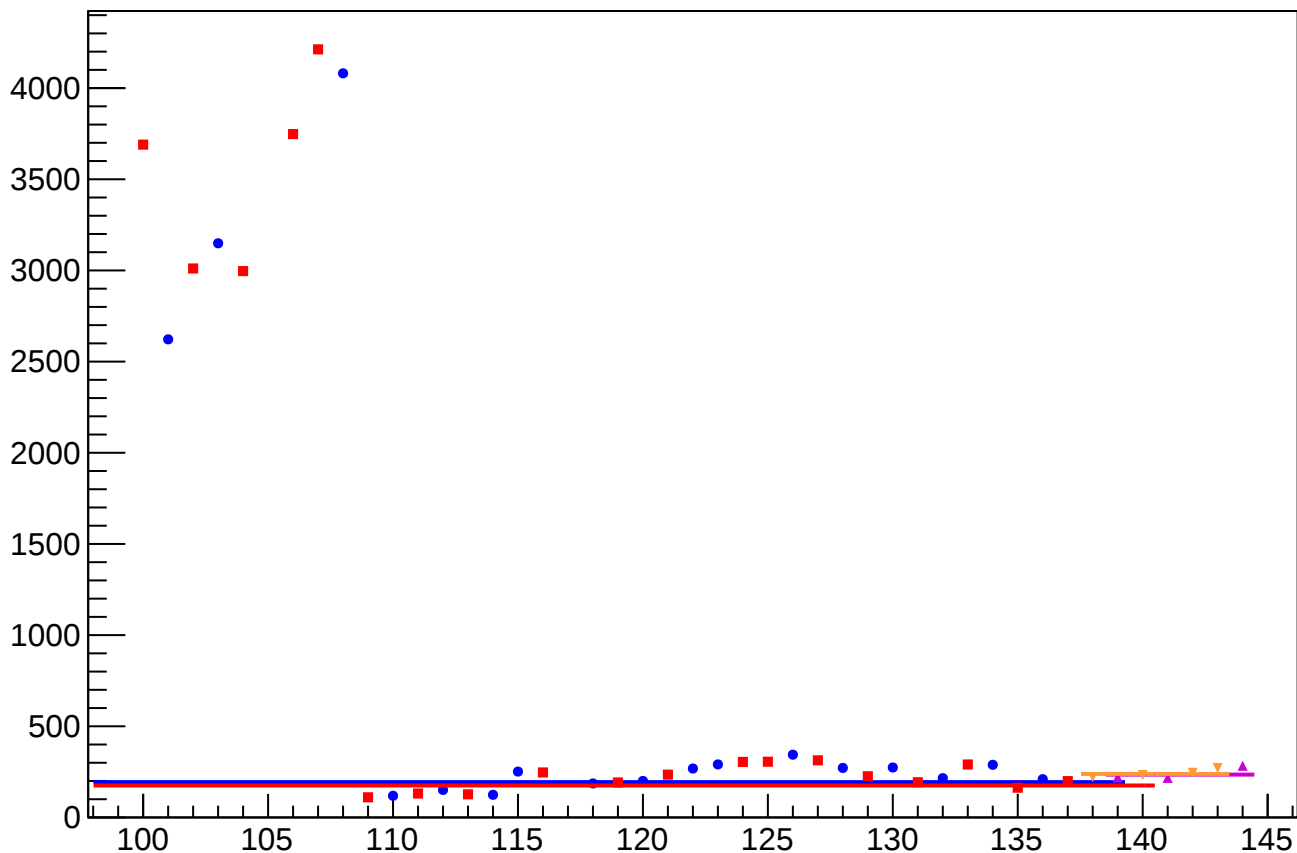
Left In: -276.088 $\pm$ 153.061 χ^2 /NDF: 0.8/2

+ sign 94.159 $\pm$ 76.735 χ^2 /NDF: 12.8/20

All: 8.130 $\pm$ 52.560 χ^2 /NDF: 30.6/42

- sign -67.906 $\pm$ 72.141 χ^2 /NDF: 15.4/21

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.748+/-0.063 χ^2/NDF : 3539977.5/16

Left Out: 238.805+/-0.105 χ^2/NDF : 29121.9/3

Right Out: 175.305+/-0.058 χ^2/NDF : 4160397.0/18

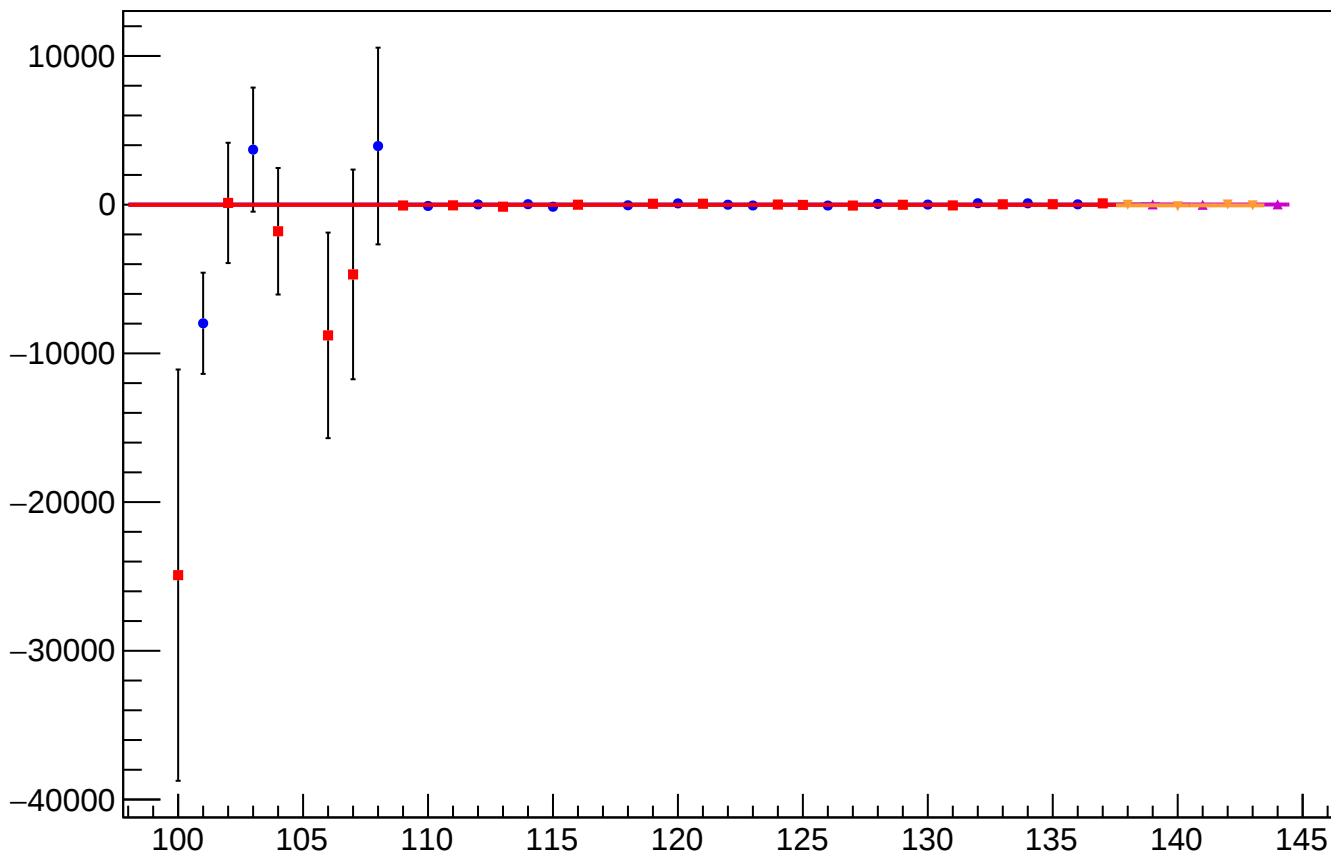
Left In: 234.984+/-0.108 χ^2/NDF : 66981.0/2

+ sign 205.693+/-0.054 χ^2/NDF : 3703448.1/20

All: 196.600+/-0.037 χ^2/NDF : 8220247.1/42

- sign 188.562+/-0.051 χ^2/NDF : 4463885.2/21

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.968 ± 15.099 χ^2/NDF : 20.2/16

Left Out: -45.199 ± 22.489 χ^2/NDF : 4.2/3

Right Out: -11.301 ± 14.995 χ^2/NDF : 21.5/18

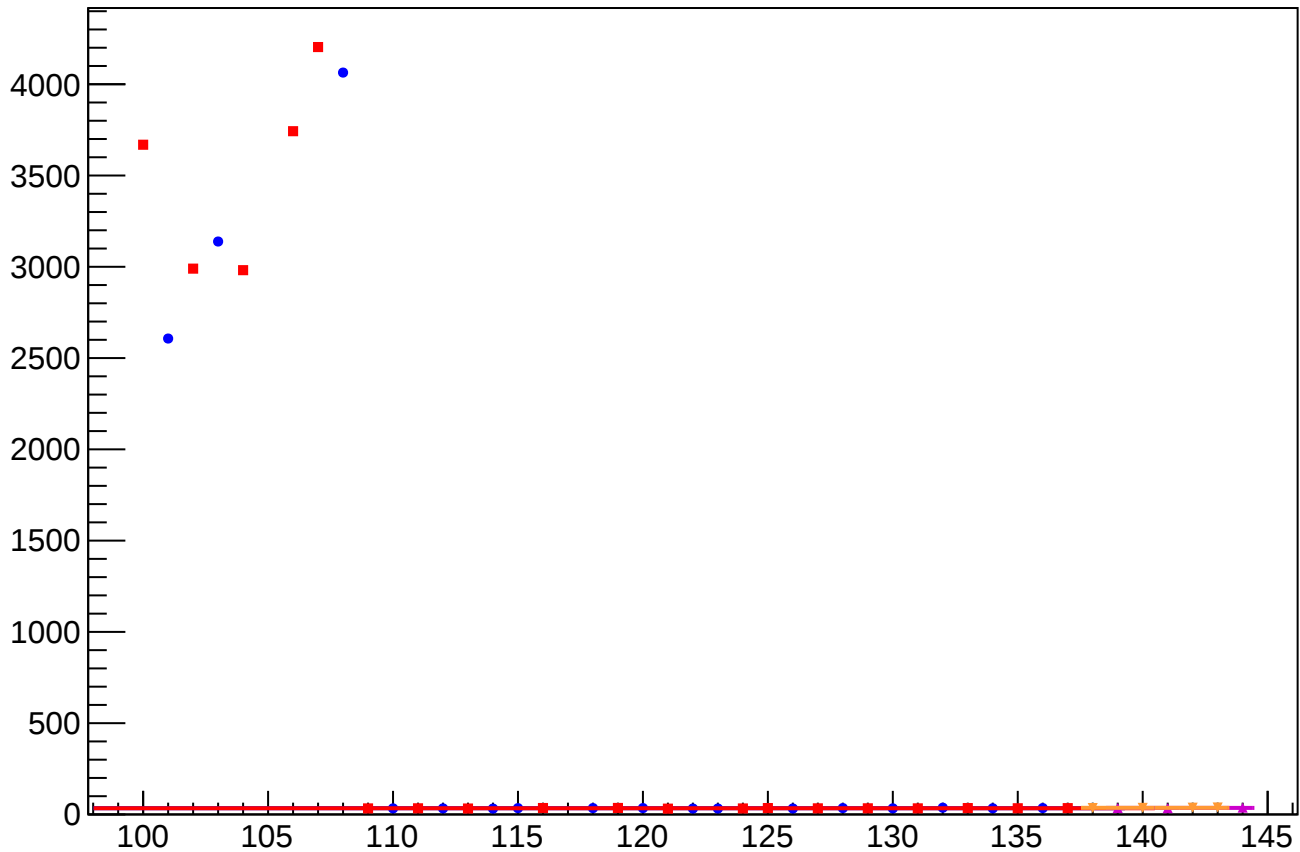
Left In: 11.291 ± 23.041 χ^2/NDF : 0.3/2

+ sign -9.241 ± 12.536 χ^2/NDF : 28.1/20

All: -6.916 ± 8.876 χ^2/NDF : 50.6/42

- sign -4.579 ± 12.568 χ^2/NDF : 22.5/21

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.196+/-0.011 χ^2/NDF : 3006449.1/16

Left Out: 36.358+/-0.016 χ^2/NDF : 4758.9/3

Right Out: 33.933+/-0.011 χ^2/NDF : 3452016.9/18

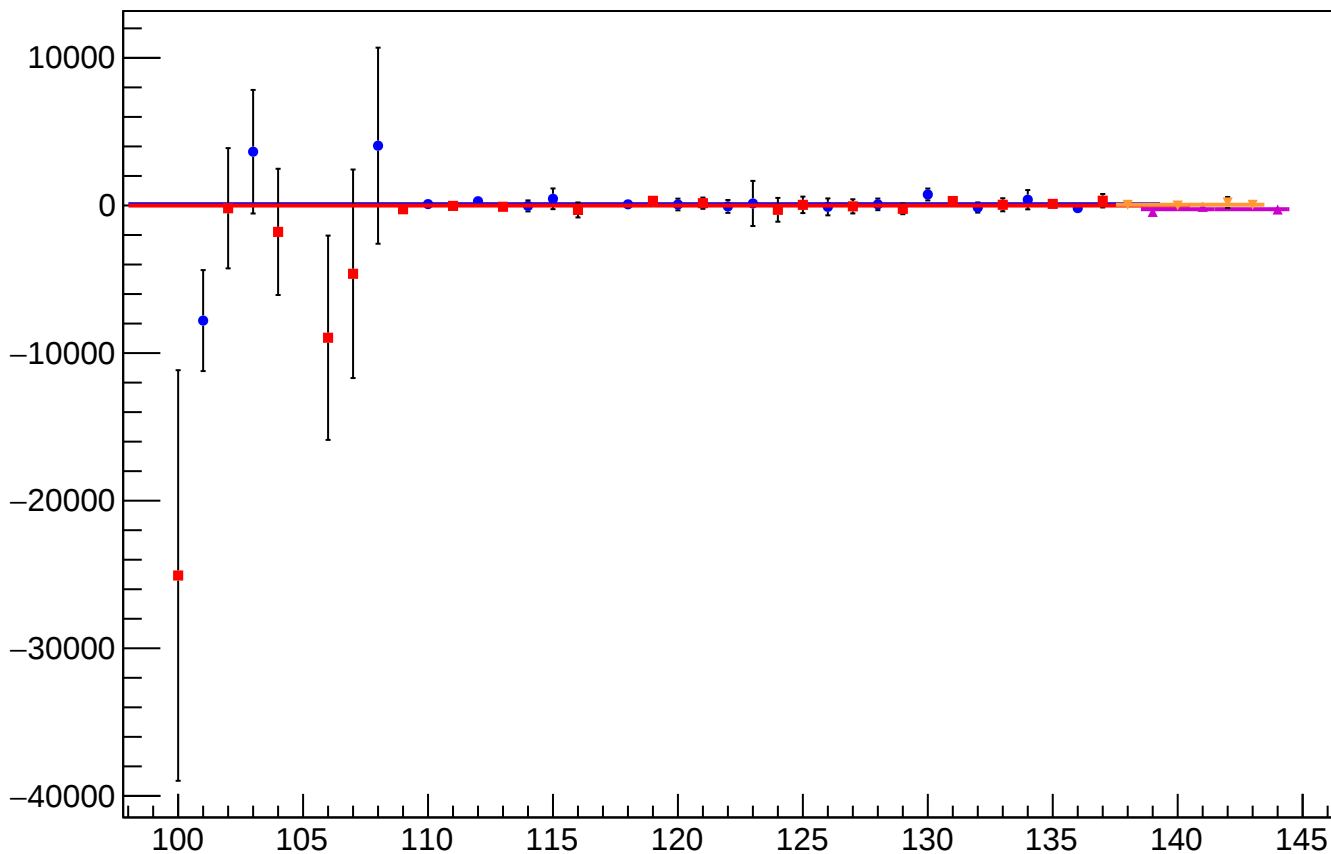
Left In: 35.840+/-0.016 χ^2/NDF : 5662.5/2

+ sign 34.868+/-0.009 χ^2/NDF : 3023939.2/20

All: 34.685+/-0.006 χ^2/NDF : 6492101.0/42

- sign 34.500+/-0.009 χ^2/NDF : 3467303.8/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 87.034+/-89.059 χ^2/NDF : 12.5/16

Left Out: 52.266+/-147.738 χ^2/NDF : 0.2/3

Right Out: -5.093+/-81.280 χ^2/NDF : 11.1/18

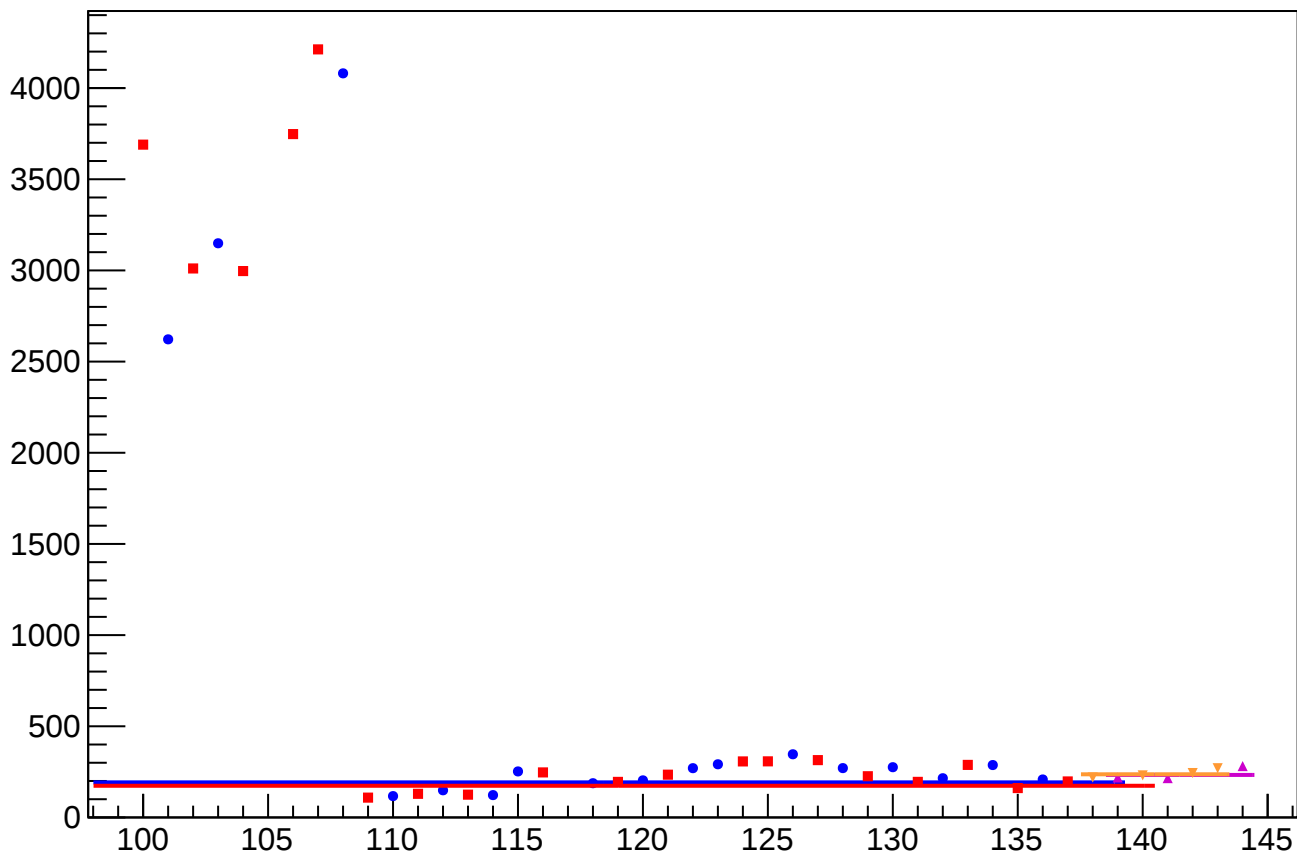
Left In: -253.101+/-151.916 χ^2/NDF : 1.0/2

+ sign 77.767+/-76.272 χ^2/NDF : 12.8/20

All: 4.446+/-52.228 χ^2/NDF : 28.7/42

- sign -60.287+/-71.667 χ^2/NDF : 14.1/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.416+/-0.063 χ^2/NDF : 3577822.3/16

Left Out: 236.667+/-0.104 χ^2/NDF :31391.6/3

Right Out: 173.760+/-0.057 χ^2/NDF : 4205861.6/18

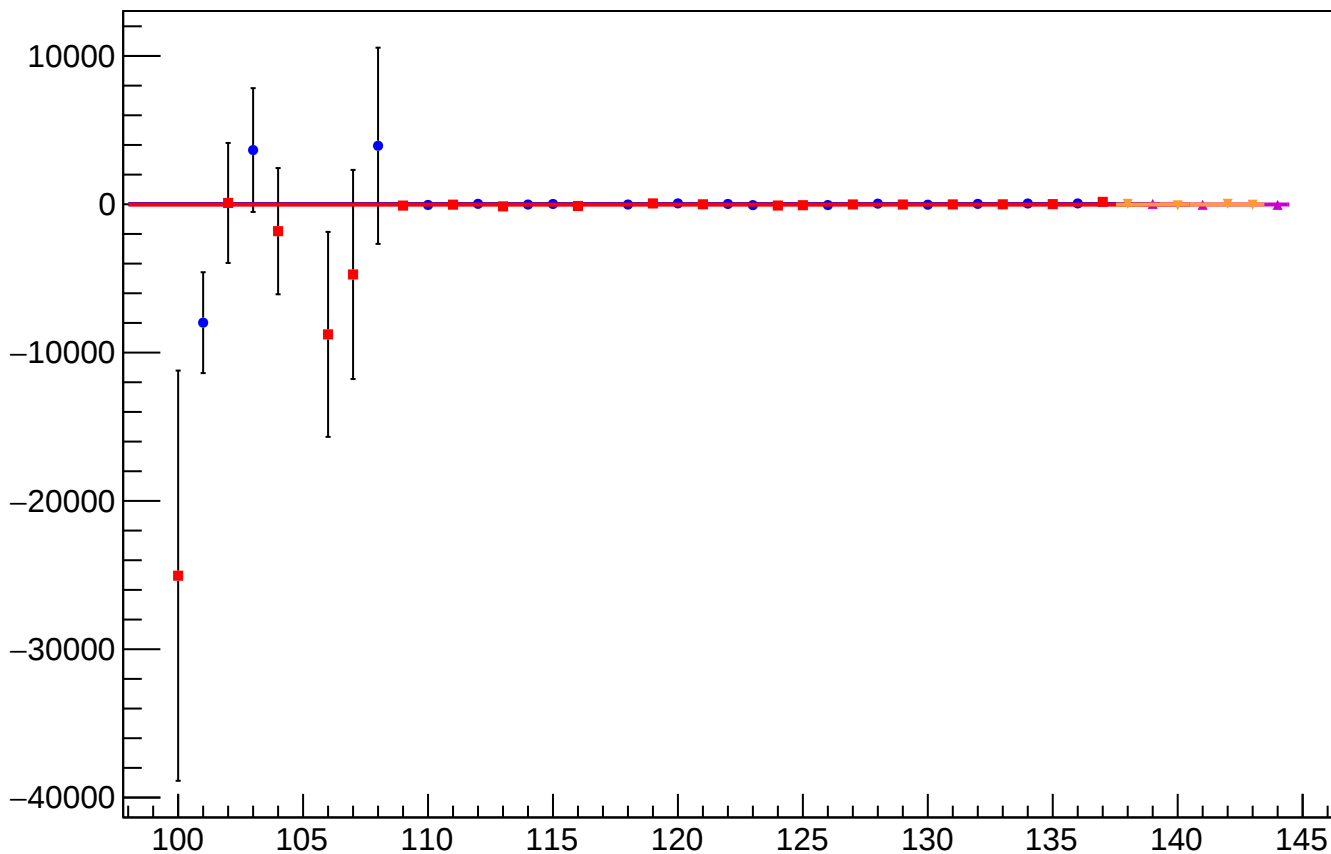
Left In: 233.203+/-0.107 χ^2/NDF :67089.1/2

+ sign 204.210+/-0.054 χ^2/NDF : 3740816.7/20

All: 195.064+/-0.037 χ^2/NDF : 8305975.7/42

- sign 186.989+/-0.051 χ^2/NDF : 4511011.4/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.332 $\pm$ 13.769 χ^2 /NDF: 14.5/16

Left Out: -16.352 $\pm$ 20.539 χ^2 /NDF: 4.8/3

Right Out: -22.098 $\pm$ 13.701 χ^2 /NDF: 27.9/18

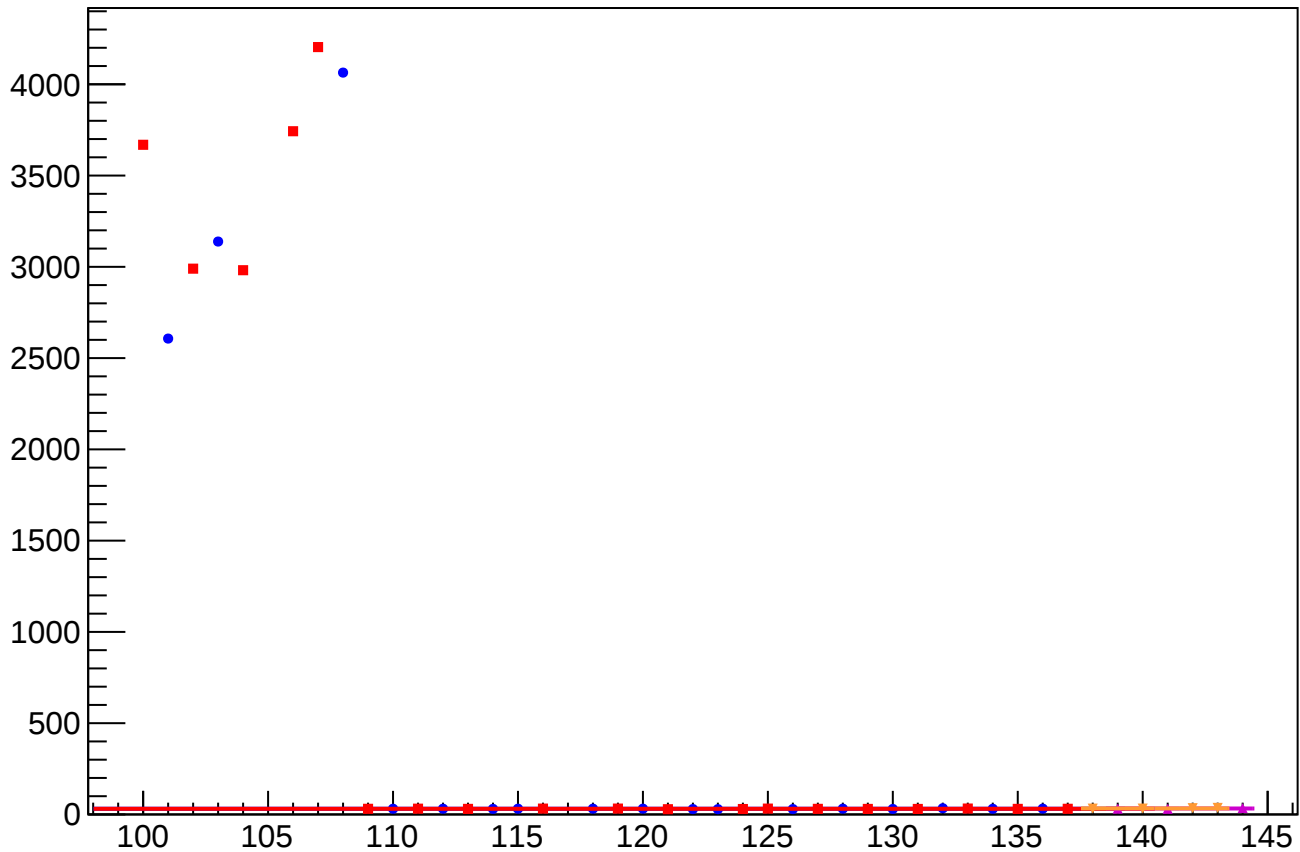
Left In: -14.920 $\pm$ 21.009 χ^2 /NDF: 1.9/2

+ sign 3.438 $\pm$ 11.437 χ^2 /NDF: 20.7/20

All: -8.219 $\pm$ 8.101 χ^2 /NDF: 52.6/42

- sign -19.956 $\pm$ 11.476 χ^2 /NDF: 29.9/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.184 $\pm$ 0.010 χ^2 /NDF: 3014248.1/16

Left Out: 33.159 $\pm$ 0.015 χ^2 /NDF:12582.4/3

Right Out: 30.984 $\pm$ 0.010 χ^2 /NDF: 3458879.7/18

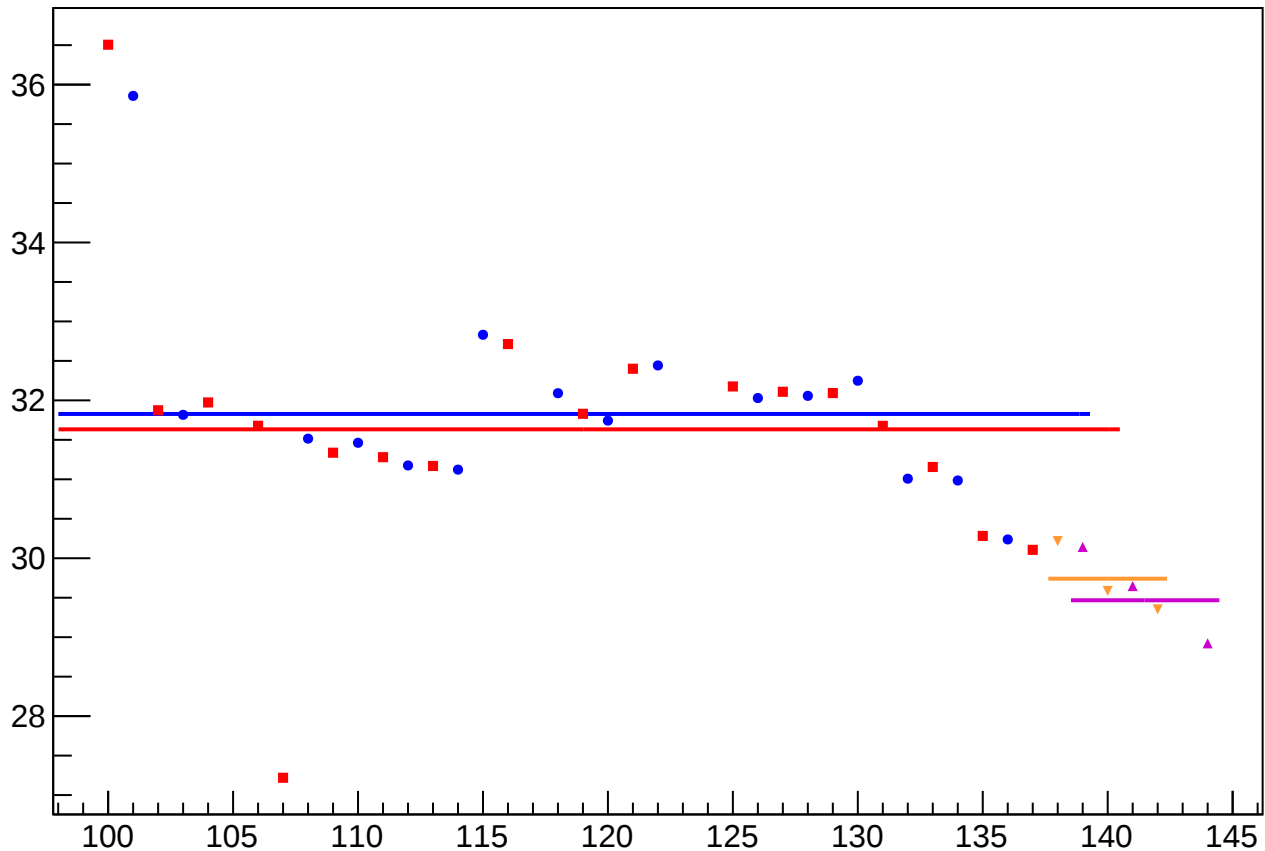
Left In: 32.639 $\pm$ 0.015 χ^2 /NDF:14255.2/2

+ sign 31.797 $\pm$ 0.008 χ^2 /NDF: 3039586.5/20

All: 31.638 $\pm$ 0.006 χ^2 /NDF: 6522193.9/42

- sign 31.478 $\pm$ 0.008 χ^2 /NDF: 3481833.9/21

yield_usl_mean vs Slug



Right In: 31.828 ± 0.000 χ^2/NDF : 1553310195.5/15

Left Out: 29.741 ± 0.000 χ^2/NDF : 26860729.1/2

Right Out: 31.633 ± 0.000 χ^2/NDF : 860874235.3/17

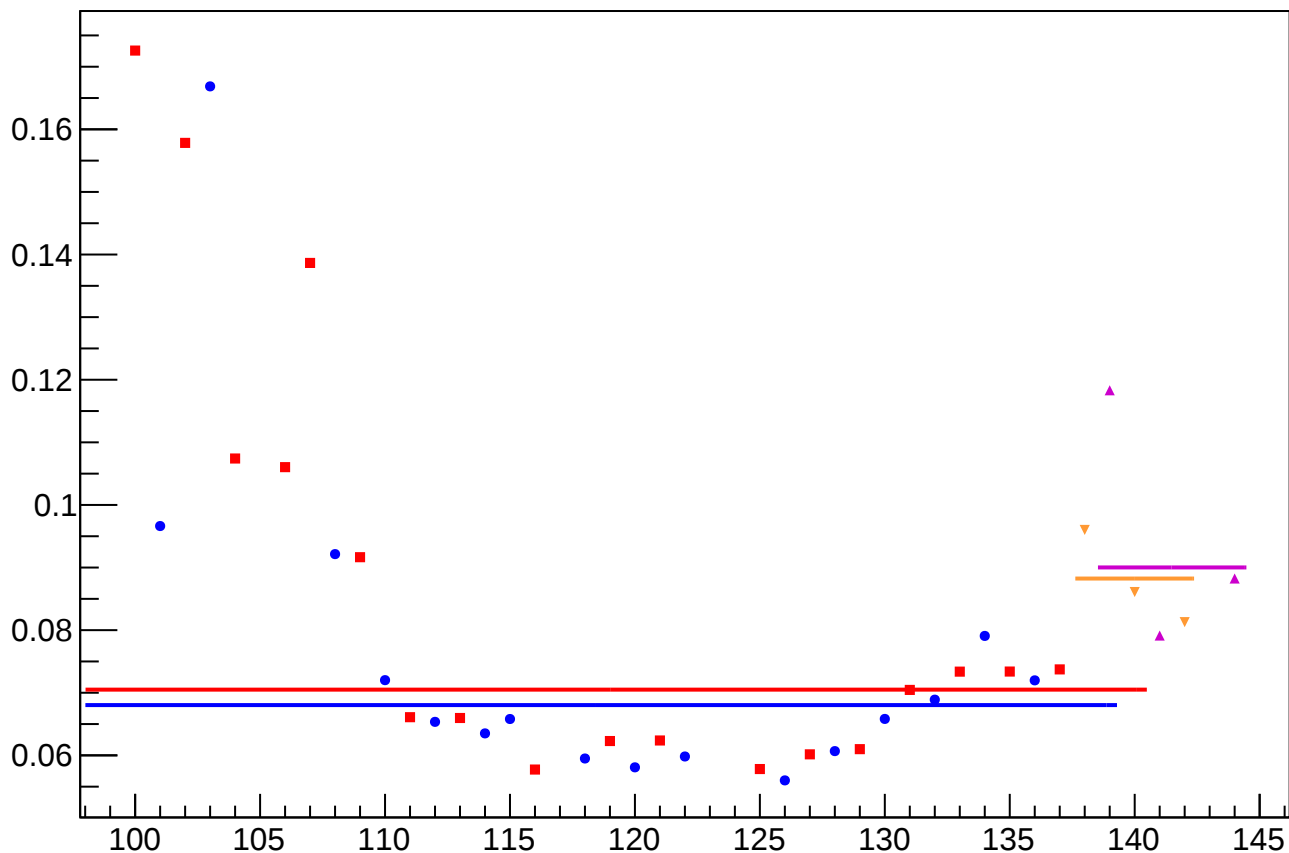
Left In: 29.468 ± 0.000 χ^2/NDF : 55729310.2/2

+ sign 31.519 ± 0.000 χ^2/NDF : 2380849342.9/18

All: 31.381 ± 0.000 χ^2/NDF : 4359211988.0/3

- sign 31.241 ± 0.000 χ^2/NDF : 1922199467.5/20

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 632212.4/15

Left Out: 0.088 $\pm$ 0.000 χ^2 /NDF:14862.5/2

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 838852.0/17

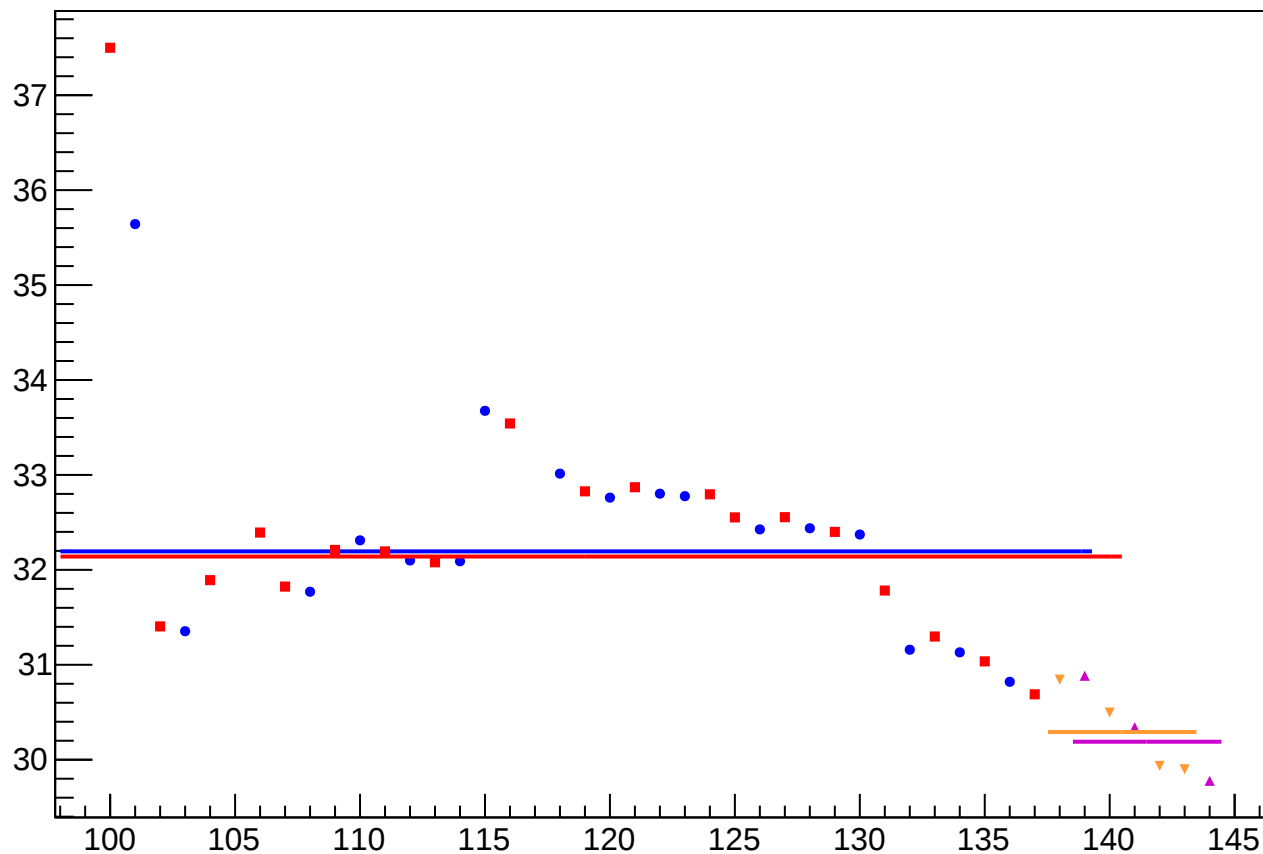
Left In: 0.090 $\pm$ 0.000 χ^2 /NDF:107013.2/2

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 797306.4/18

All: 0.073 $\pm$ 0.000 χ^2 /NDF: 1919741.0/39

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 1109268.7/20

yield_usr_mean vs Slug



Right In: 32.195+/-0.000 χ^2/NDF : 1002008039.3/16

Left Out: 30.292+/-0.000 χ^2/NDF : 50772095.0/3

Right Out: 32.140+/-0.000 χ^2/NDF : 421423009.8/18

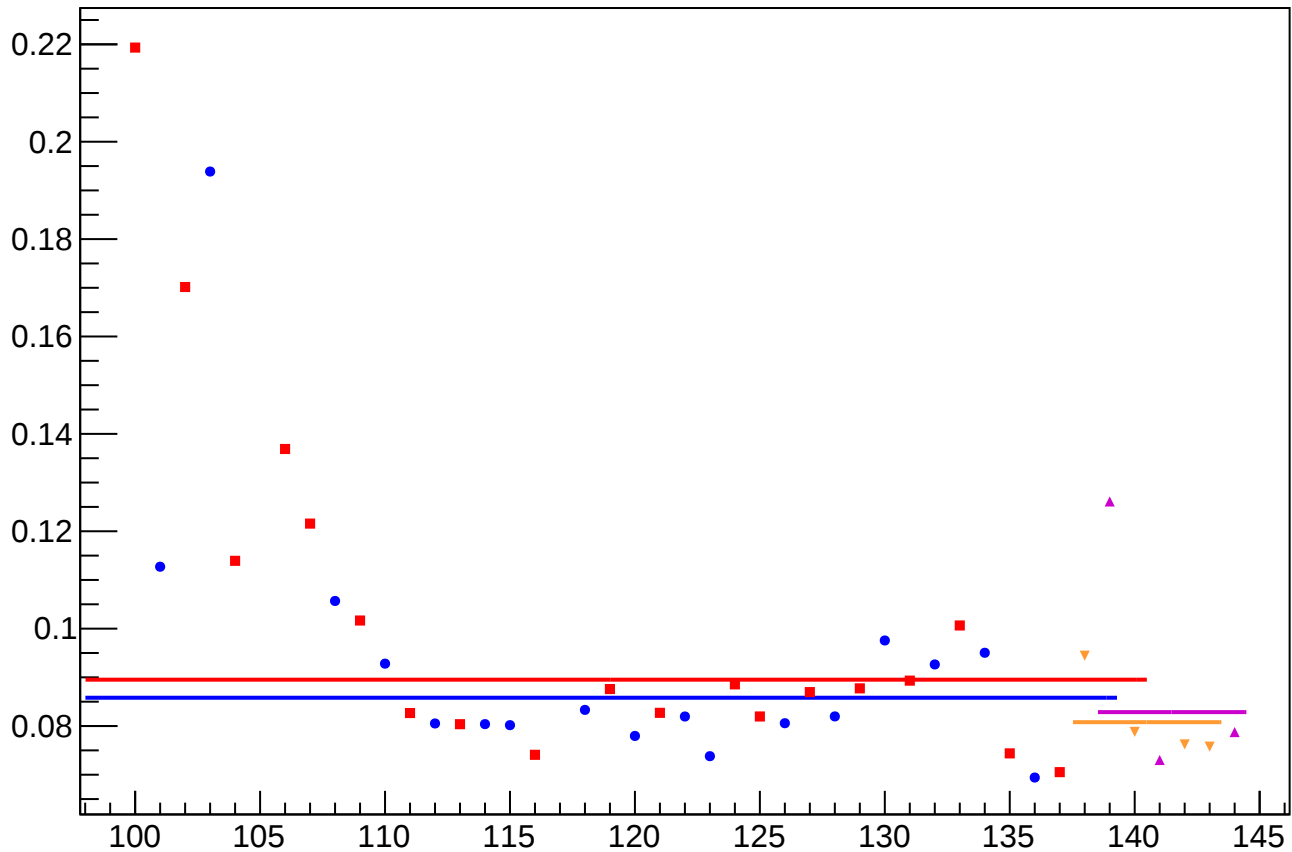
Left In: 30.190+/-0.000 χ^2/NDF : 46384624.9/2

+ sign 31.613+/-0.000 χ^2/NDF : 1920426639.5/20

All: 31.593+/-0.000 χ^2/NDF : 3235613940.8/4

- sign 31.573+/-0.000 χ^2/NDF : 1314266253.9/21

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 554772.3/16

Left Out: 0.081 $\pm$ 0.000 χ^2 /NDF:36254.2/3

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 539119.2/18

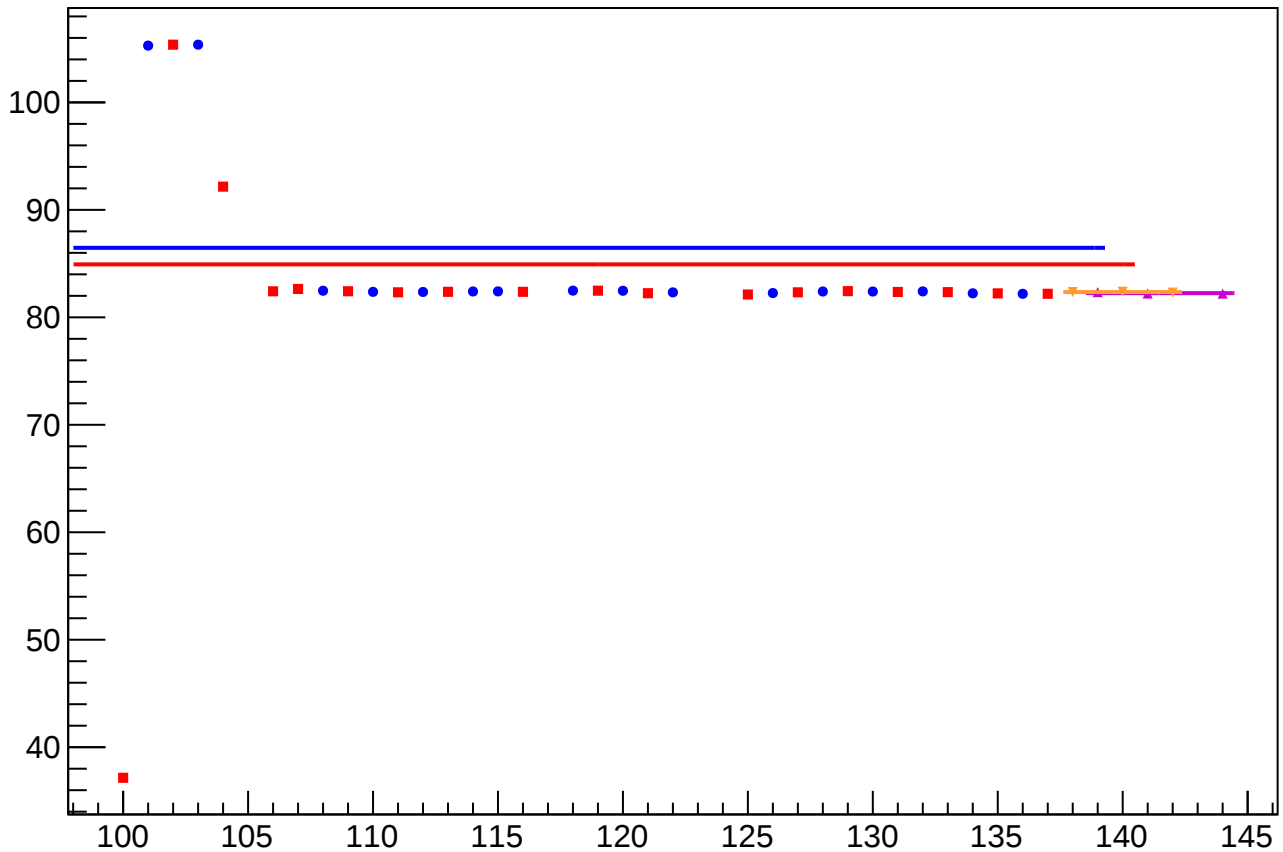
Left In: 0.083 $\pm$ 0.000 χ^2 /NDF:197591.5/2

+ sign 0.084 $\pm$ 0.000 χ^2 /NDF: 603106.0/20

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 1371588.0/42

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 756455.2/21

yield_dsl_mean vs Slug



Right In: 86.468+/-0.000 χ^2/NDF : 291253714999.8/15

Left Out: 82.351+/-0.000 χ^2/NDF : 1041607.6/2

Right Out: 84.929+/-0.000 χ^2/NDF : 172101973960.6/17

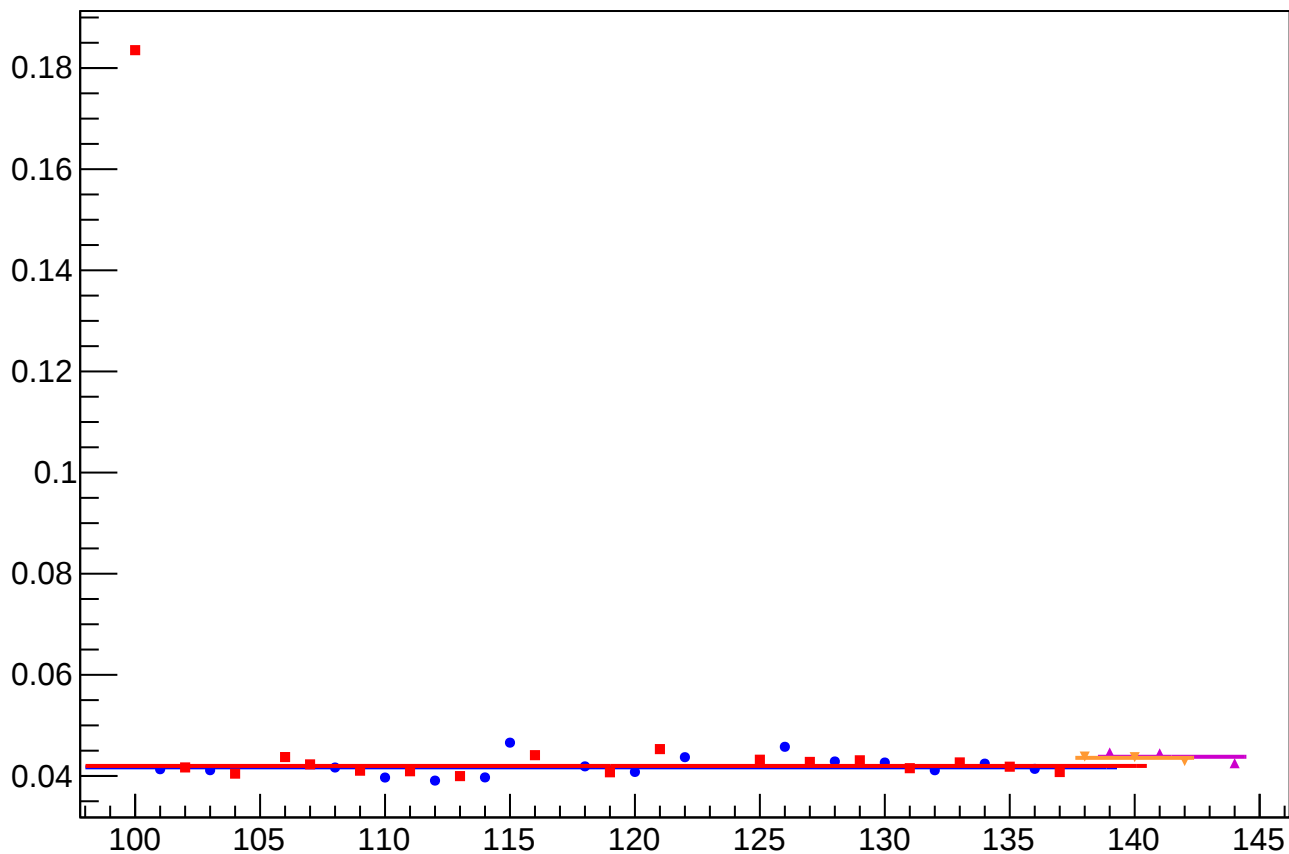
Left In: 82.251+/-0.000 χ^2/NDF : 4572114.5/2

+ sign 85.589+/-0.000 χ^2/NDF : 304854790783.3/18

All: 84.910+/-0.000 χ^2/NDF : 487989434319.

- sign 84.278+/-0.000 χ^2/NDF : 178882843768.1/20

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 19442.4/15

Left Out: 0.044 $\pm$ 0.000 χ^2 /NDF:254.4/2

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96987.8/17

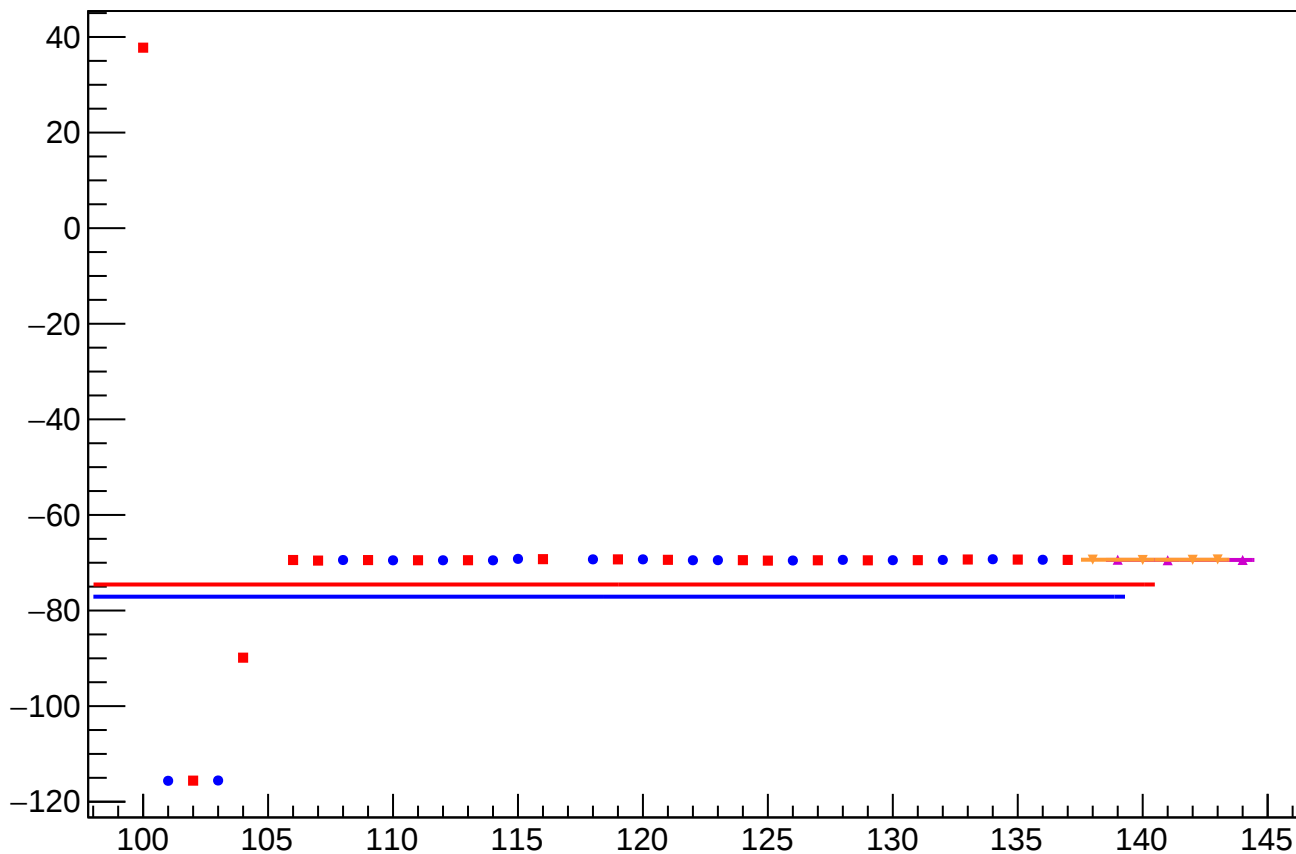
Left In: 0.044 $\pm$ 0.000 χ^2 /NDF:2448.1/2

+ sign 0.042 $\pm$ 0.000 χ^2 /NDF: 25340.1/18

All: 0.042 $\pm$ 0.000 χ^2 /NDF: 131467.3/39

- sign 0.042 $\pm$ 0.000 χ^2 /NDF: 105638.0/20

yield_dsr_mean vs Slug



Right In: -77.101+/-0.000 χ^2/NDF : 564992278701.1/16

Left Out: -69.368+/-0.000 χ^2/NDF : 1422210.9/3

Right Out: -74.552+/-0.000 χ^2/NDF : 371830924165.2/18

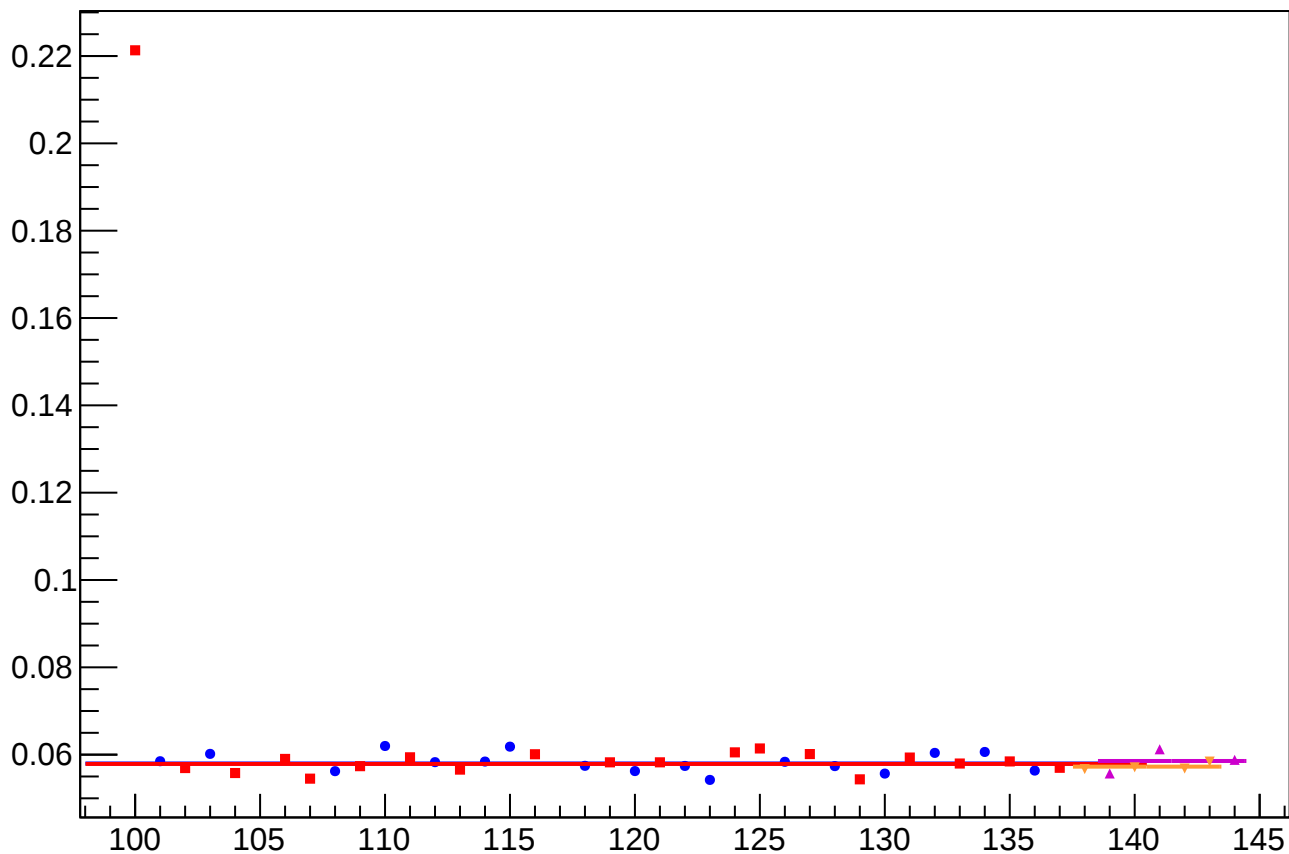
Left In: -69.418+/-0.000 χ^2/NDF : 1164250.8/2

+ sign -74.870+/-0.000 χ^2/NDF : 597922905678.0/2

All: -74.061+/-0.000 χ^2/NDF : 986740985642

- sign -73.264+/-0.000 χ^2/NDF : 385332119236.8/2

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12317.7/16

Left Out: 0.057+/-0.000 χ^2/NDF : 698.6/3

Right Out: 0.058+/-0.000 χ^2/NDF : 87700.9/18

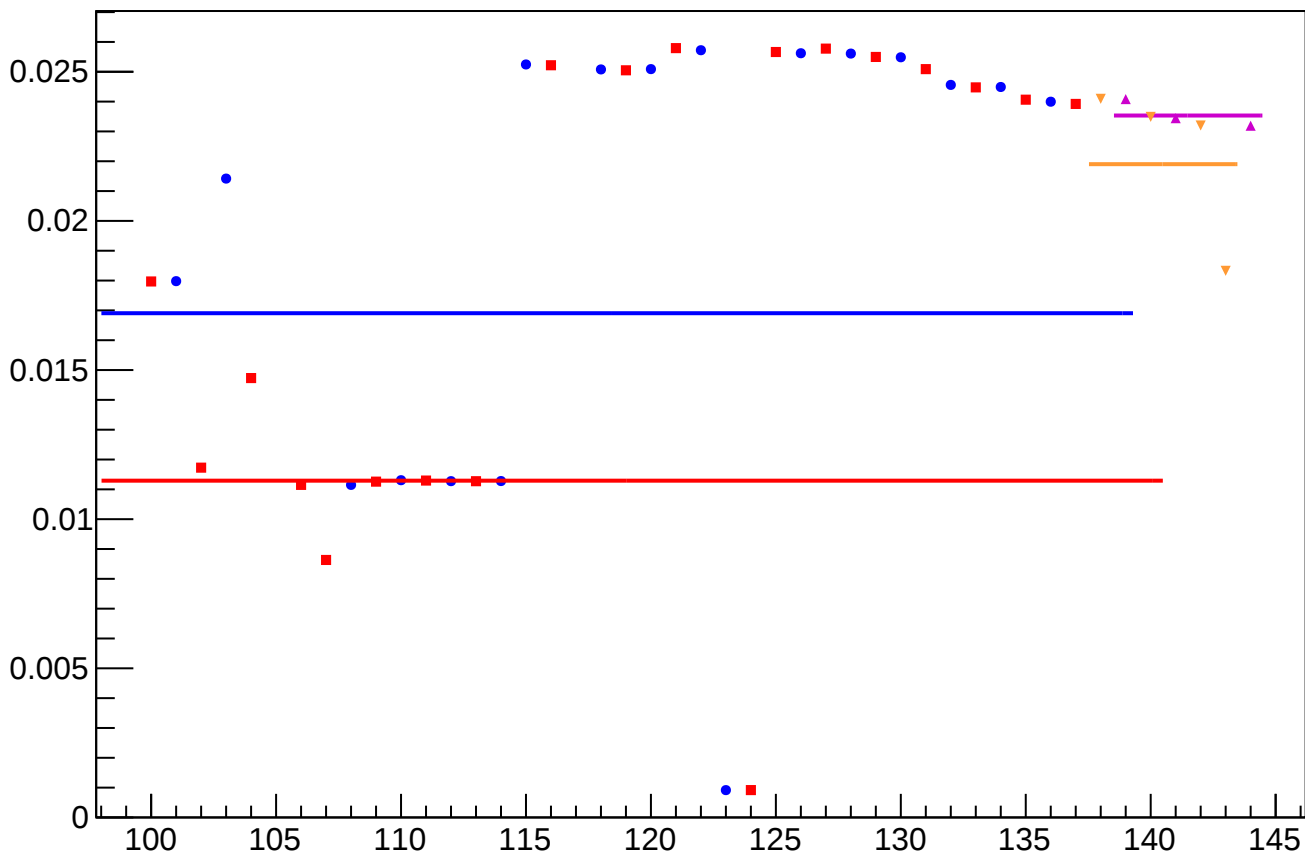
Left In: 0.059+/-0.000 χ^2/NDF : 6861.1/2

+ sign 0.058+/-0.000 χ^2/NDF : 13584.0/20

All: 0.058+/-0.000 χ^2/NDF : 108823.9/42

- sign 0.058+/-0.000 χ^2/NDF : 95030.2/21

yield_atl1_mean vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 126025885261.2/16

Left Out: 0.022+/-0.000 χ^2/NDF : 2836048408.9/3

+ sign 0.018+/-0.000 χ^2/NDF : 137607038192.8/20

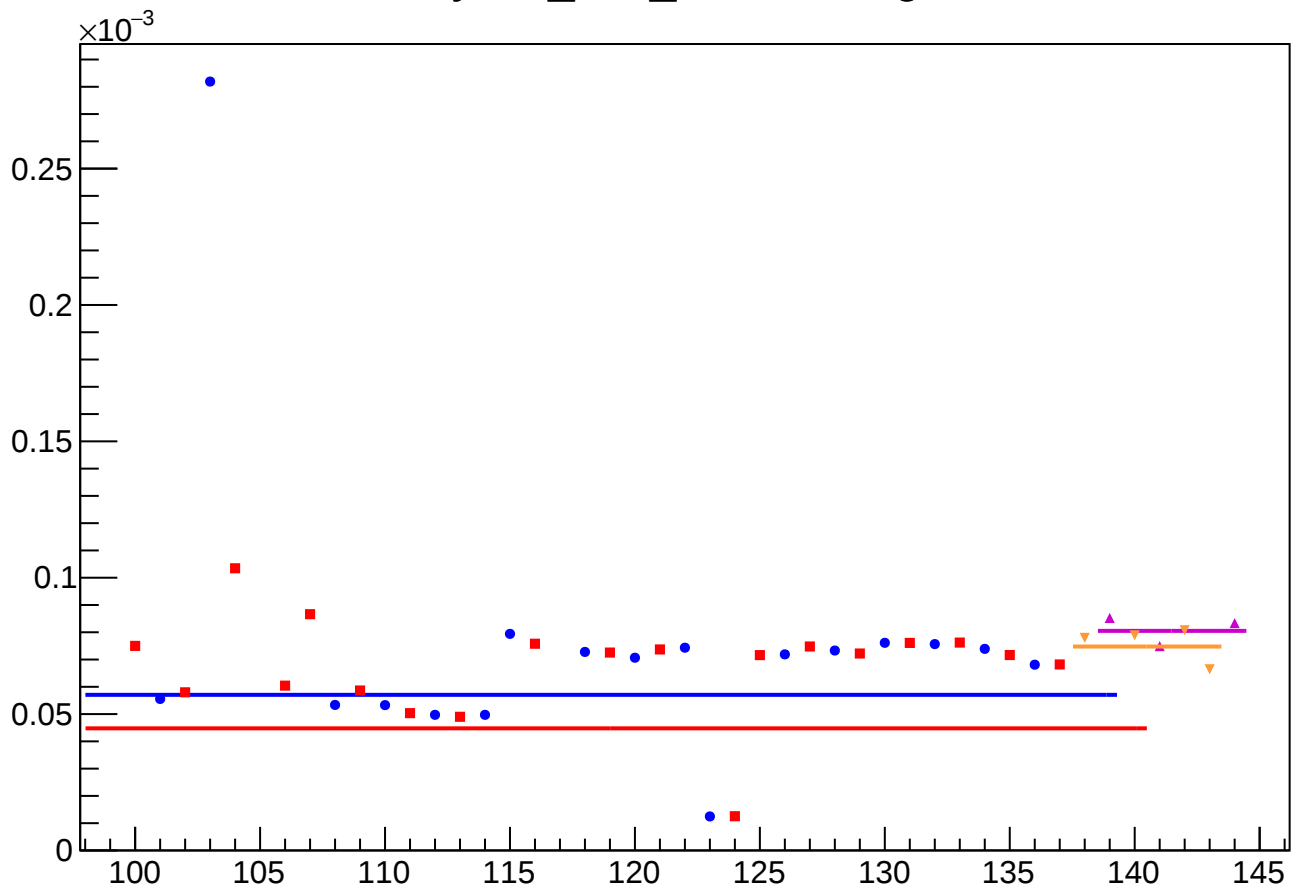
Right Out: 0.011+/-0.000 χ^2/NDF : 233231439443.8/18

All: 0.015+/-0.000 χ^2/NDF : 448496387098.8

- sign 0.013+/-0.000 χ^2/NDF : 280344277204.1/21

Left In: 0.024+/-0.000 χ^2/NDF : 44776333.3/2

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1998313.1/16

Left Out: 0.000+/-0.000 χ^2/NDF : 31095.7/3

Right Out: 0.000+/-0.000 χ^2/NDF : 3584797.7/18

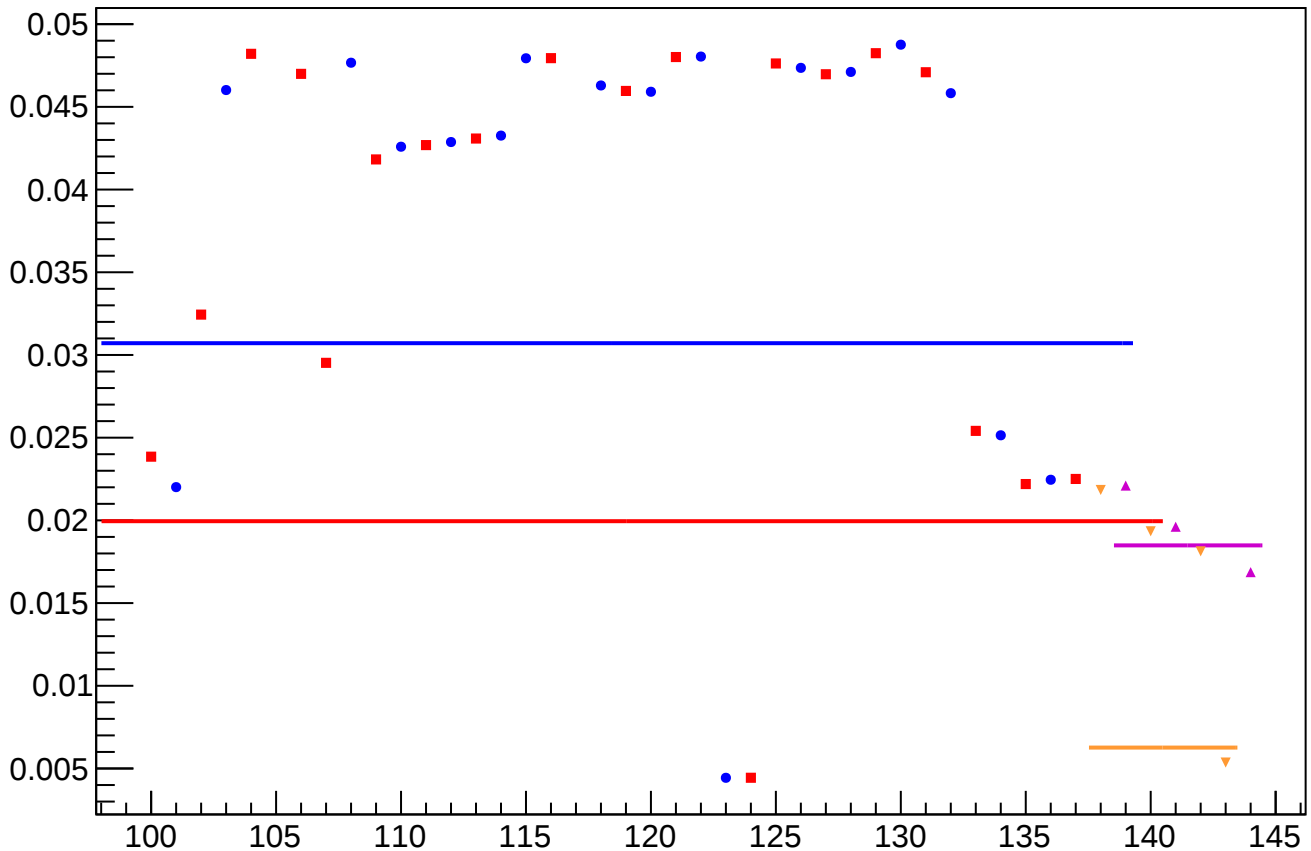
Left In: 0.000+/-0.000 χ^2/NDF : 15329.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 2249103.0/20

All: 0.000+/-0.000 χ^2/NDF : 6956903.1/42

- sign 0.000+/-0.000 χ^2/NDF : 4402398.7/21

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21081896587.0/16

Left Out: 0.006+/-0.000 χ^2/NDF : 4540654014.3/3

Right Out: 0.020+/-0.000 χ^2/NDF : 39758690289.2/18

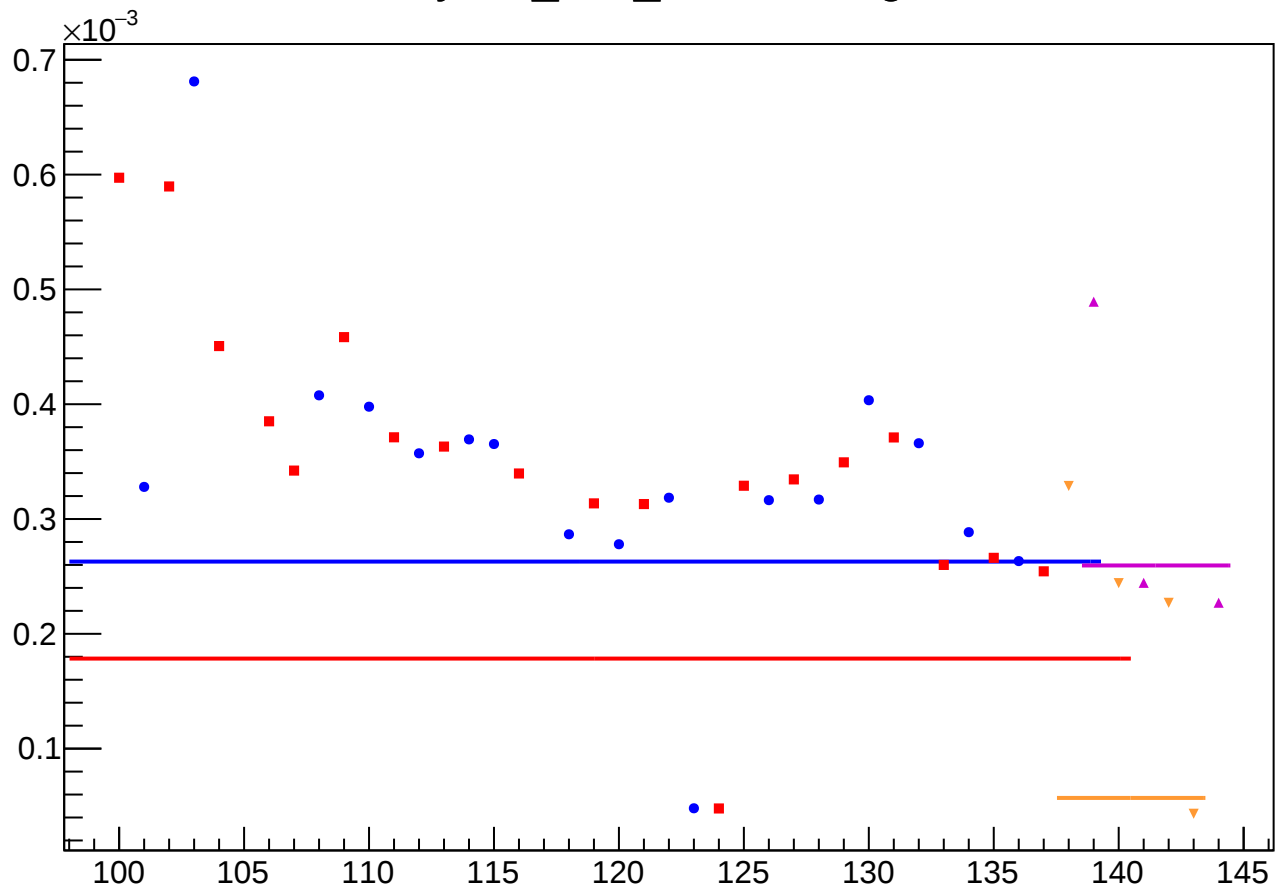
Left In: 0.018+/-0.000 χ^2/NDF : 93261042.4/2

+ sign 0.010+/-0.000 χ^2/NDF : 61138439919.8/20

All: 0.013+/-0.000 χ^2/NDF : 110982396293.5

- sign 0.020+/-0.000 χ^2/NDF : 39903334556.0/21

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2393587.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2163742.9/3

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5332040.2/18

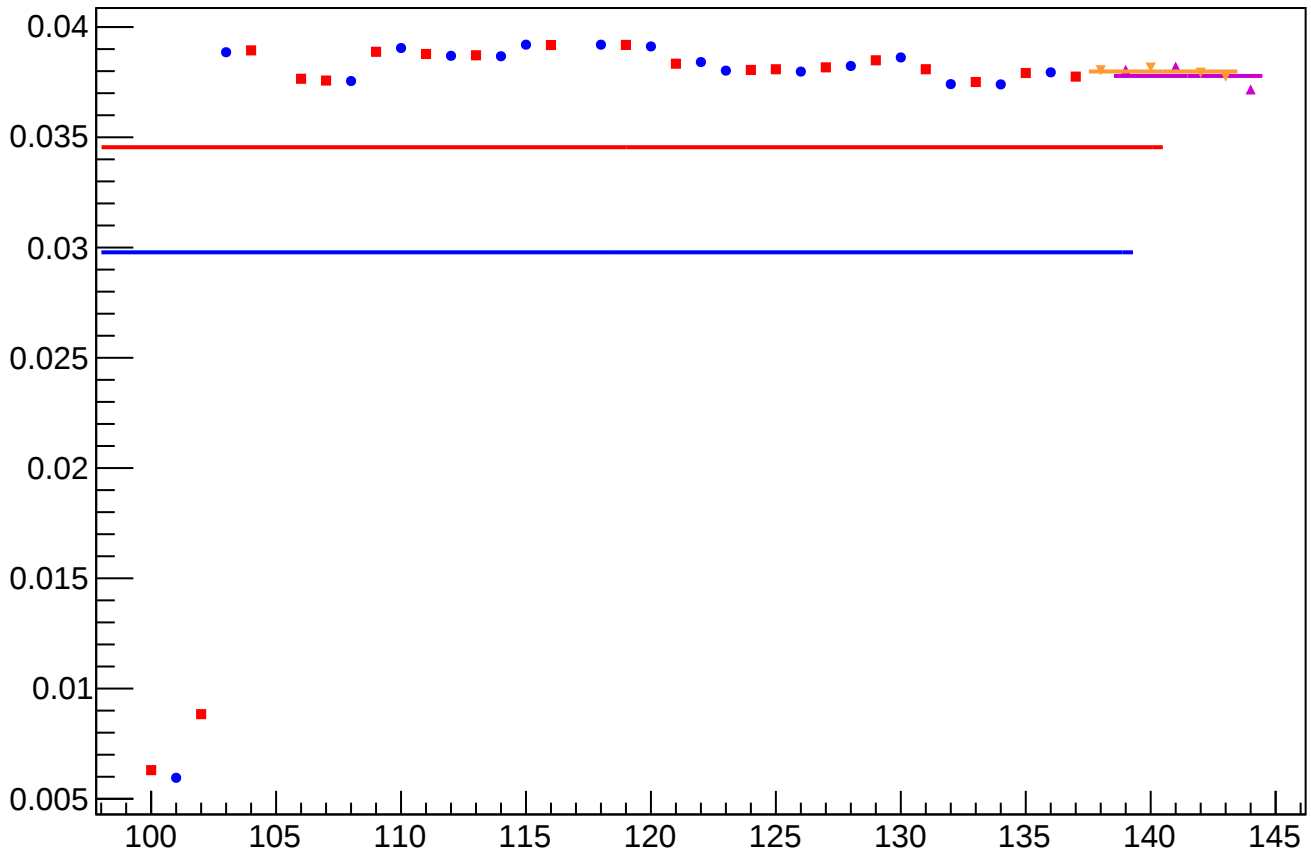
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:346720.5/2

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9594053.5/20

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 18032342.3/42

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5994623.6/21

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 96939094269.8/16

Left Out: 0.038 $\pm$ 0.000 χ^2 /NDF:3030634.1/3

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43542773475.9/18

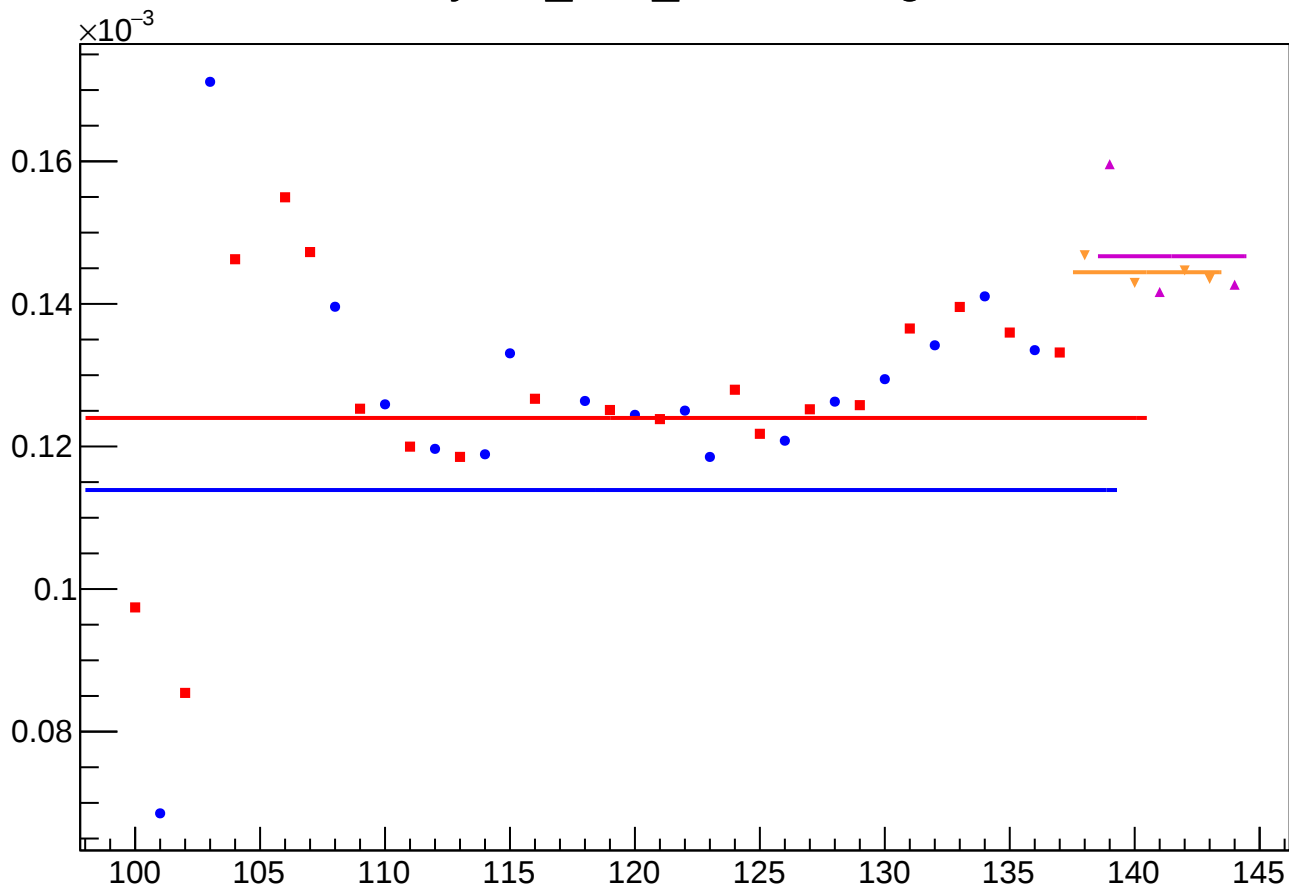
Left In: 0.038 $\pm$ 0.000 χ^2 /NDF:24463803.0/2

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 103337558122.7/20

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 151801468327.8

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 44472345602.0/21

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 792994.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:595.4/3

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 245068.5/18

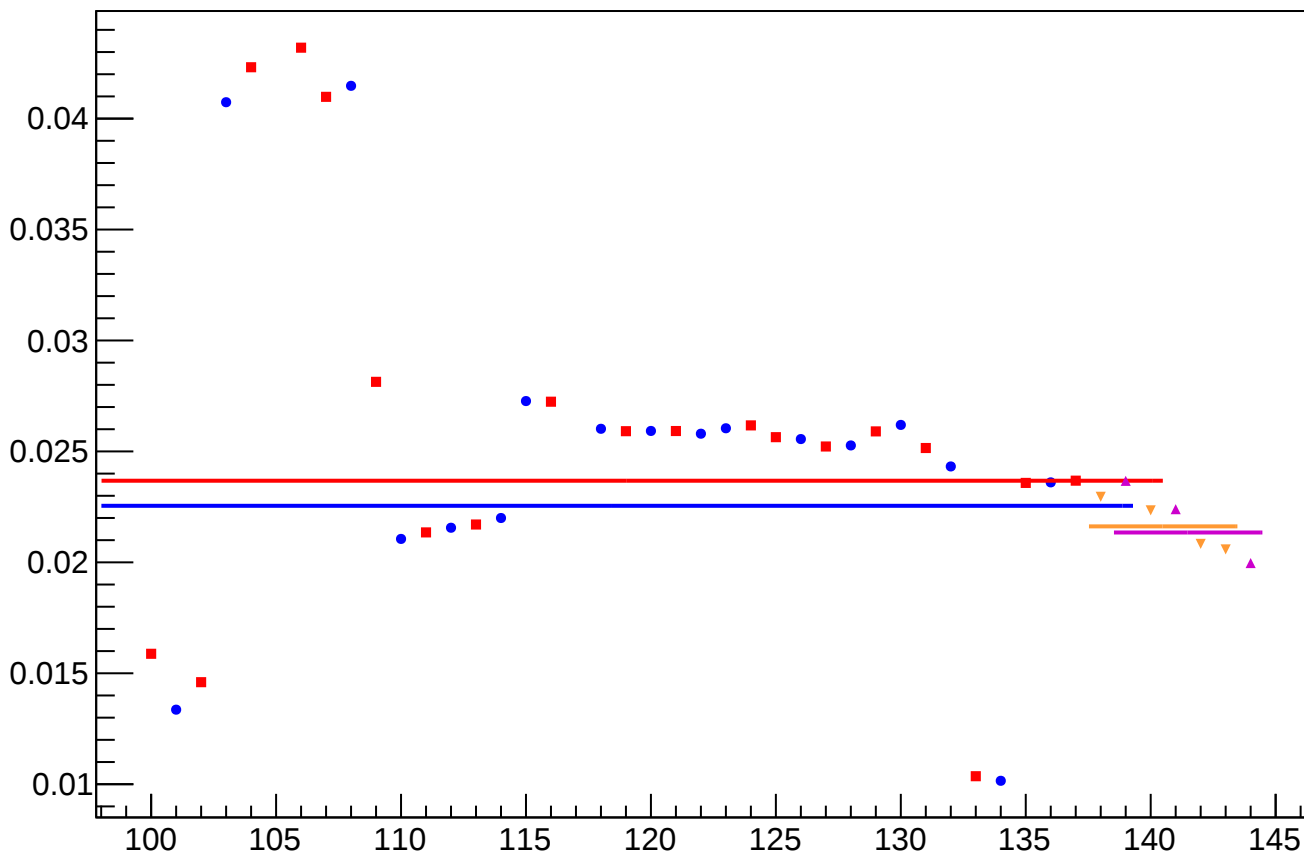
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:12647.0/2

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 971131.2/20

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 1358896.6/42

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 346934.0/21

yield_atr2_mean vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 4235847516.4/16

Left Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 36112523.0/3

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 4295035683.2/20

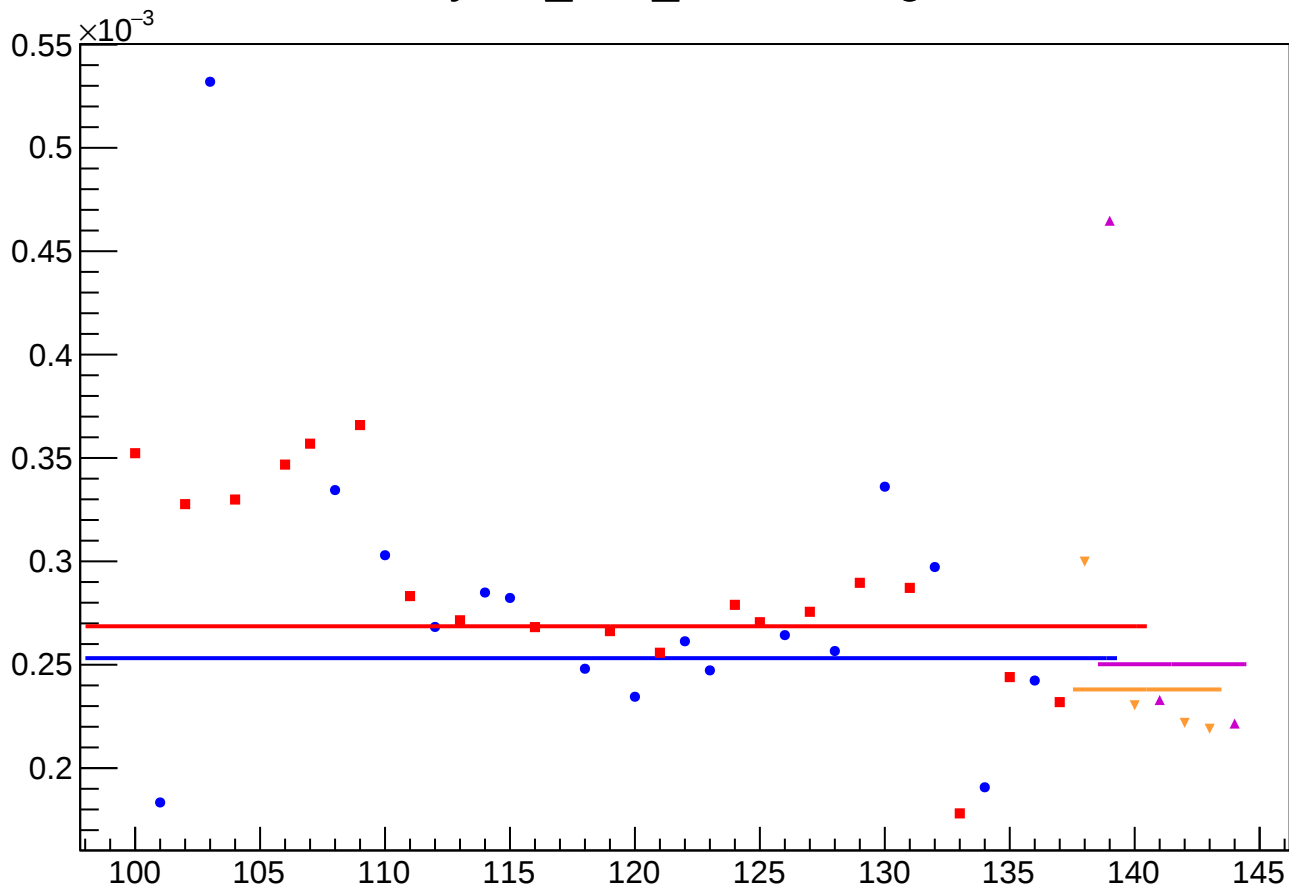
Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5643986297.3/18

All: 0.023 $\pm$ 0.000 χ^2 /NDF: 10166428573.9/4

- sign 0.023 $\pm$ 0.000 χ^2 /NDF: 5836421729.1/21

Left In: 0.021 $\pm$ 0.000 χ^2 /NDF: 63086358.5/2

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 626352.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 67625.0/3

Right Out: 0.000+/-0.000 χ^2/NDF : 428150.4/18

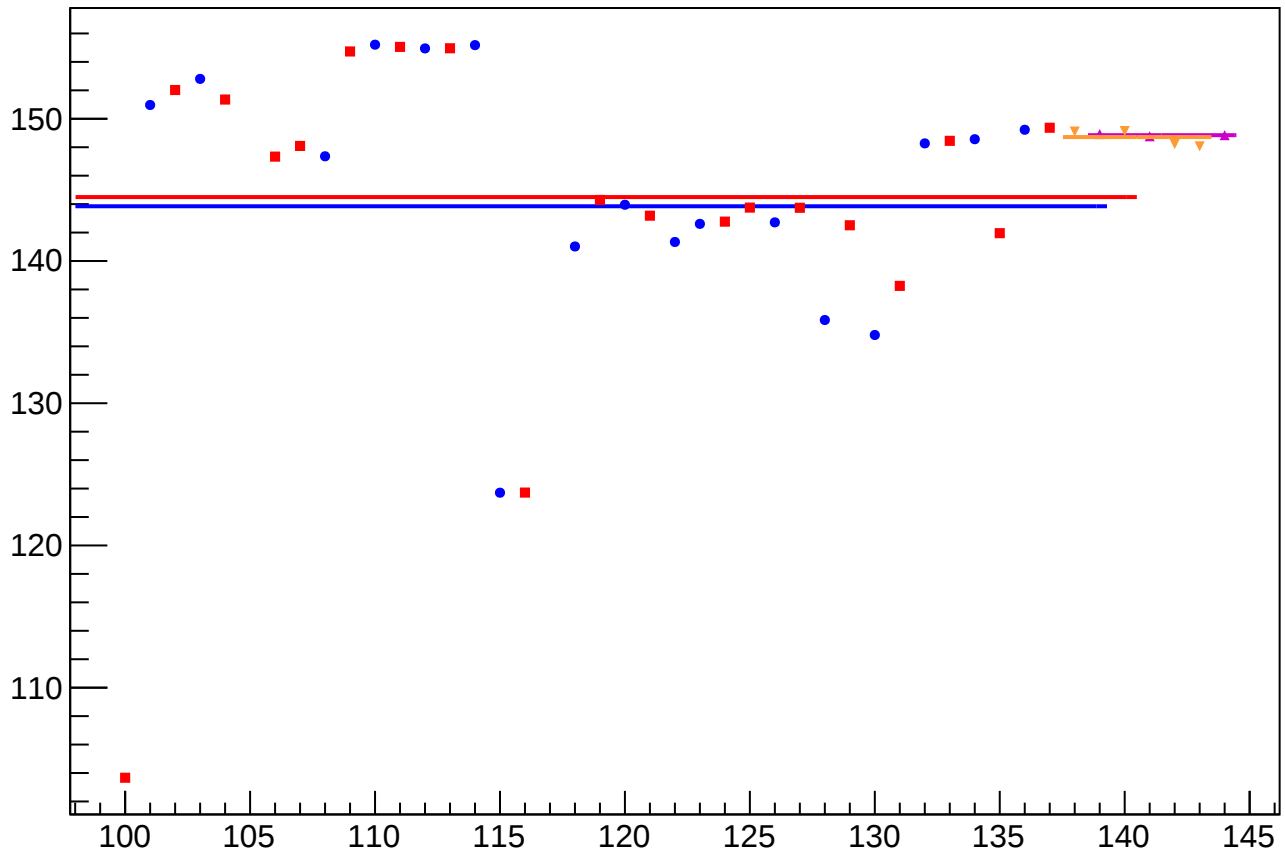
Left In: 0.000+/-0.000 χ^2/NDF : 333240.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 706277.0/20

All: 0.000+/-0.000 χ^2/NDF : 1510601.4/42

- sign 0.000+/-0.000 χ^2/NDF : 777396.1/21

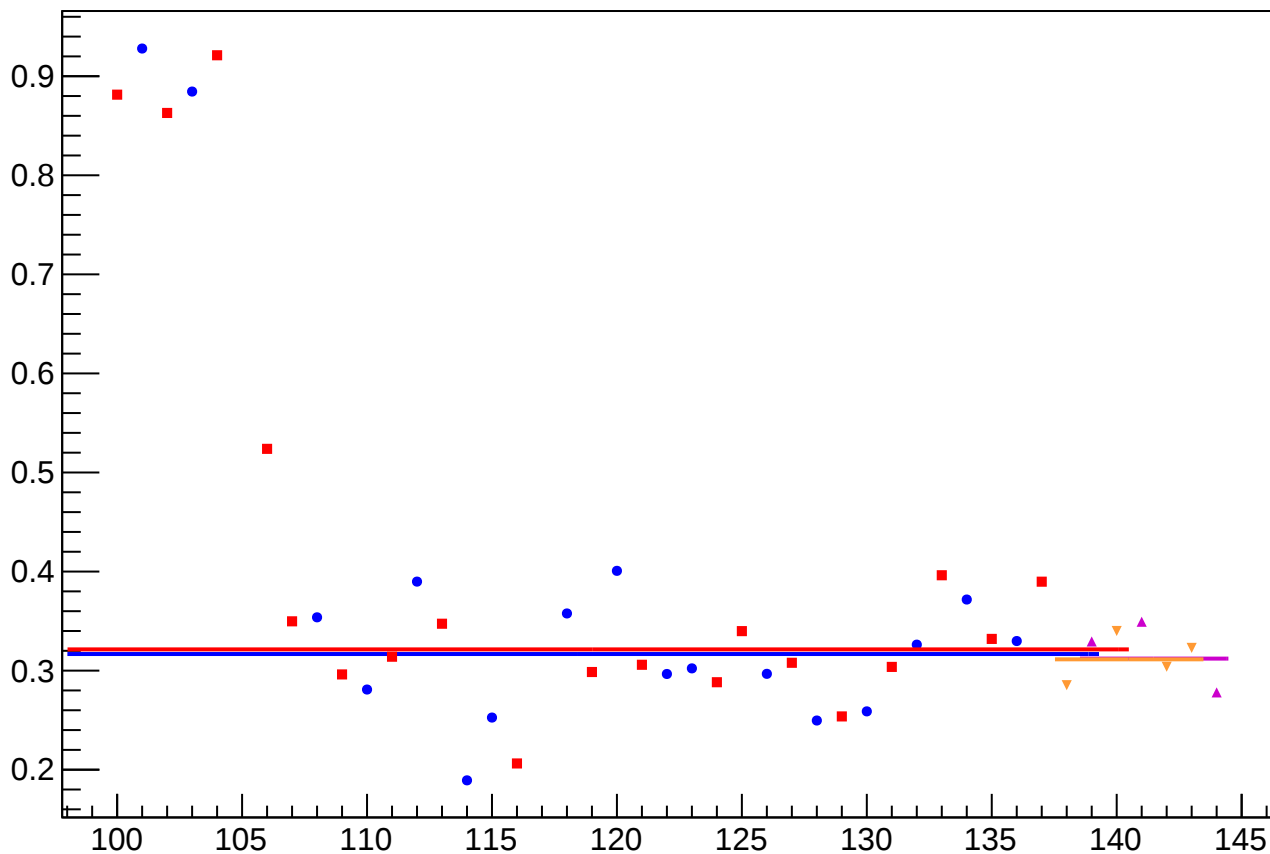
yield_bcm_an_ds_mean vs Slug



Right In: 143.849 $\pm$ 0.000 χ^2 /NDF: 3450807407.9/16
 Left Out: 148.715 $\pm$ 0.000 χ^2 /NDF: 6201603.0/3
 Right Out: 144.495 $\pm$ 0.000 χ^2 /NDF: 4183399255.1/18
 Left In: 148.848 $\pm$ 0.000 χ^2 /NDF: 79817.7/2

+ sign 145.412 $\pm$ 0.000 χ^2 /NDF: 3876465091.6/20
 All: 145.598 $\pm$ 0.000 χ^2 /NDF: 8383210365.1
 - sign 145.786 $\pm$ 0.000 χ^2 /NDF: 4501074371.7/21

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1260273.9/16

Left Out: 0.311 $\pm$ 0.000 χ^2 /NDF:25086.4/3

Right Out: 0.321 $\pm$ 0.000 χ^2 /NDF: 1216529.2/18

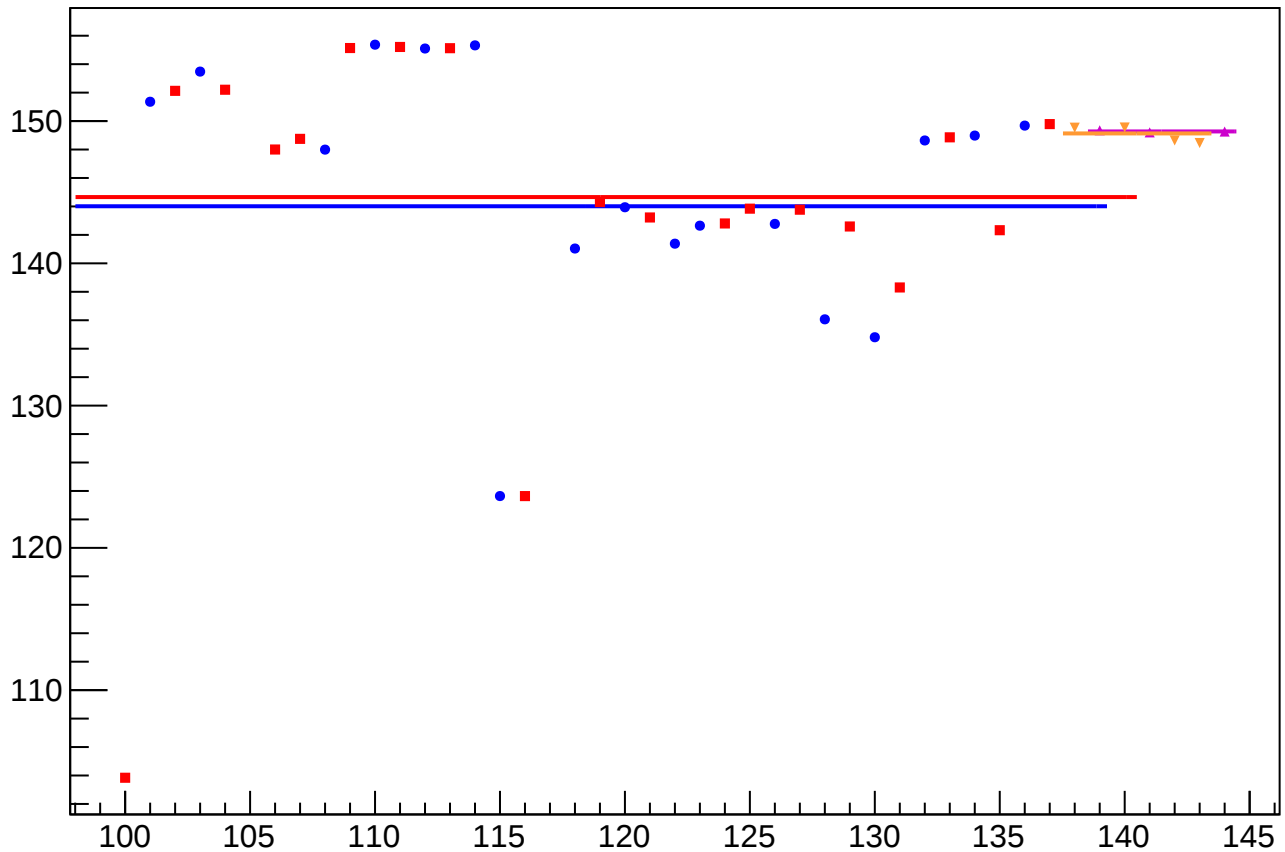
Left In: 0.312 $\pm$ 0.000 χ^2 /NDF:47292.1/2

+ sign 0.315 $\pm$ 0.000 χ^2 /NDF: 1286375.4/20

All: 0.317 $\pm$ 0.000 χ^2 /NDF: 2554167.6/42

- sign 0.319 $\pm$ 0.000 χ^2 /NDF: 1266722.5/21

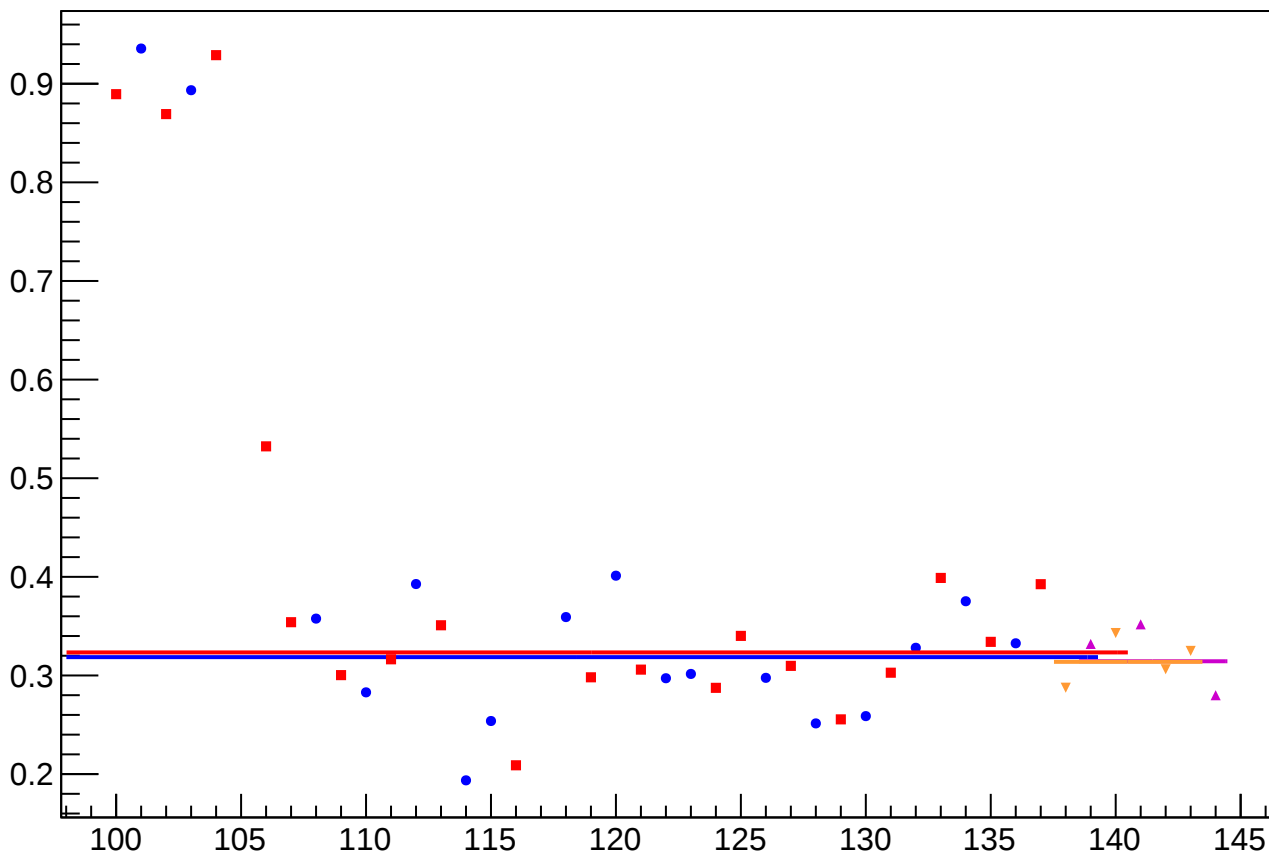
yield_bcm_an_ds3_mean vs Slug



Right In: 144.013 $\pm$ 0.000 χ^2 /NDF: 3495287828.5/16
 Left Out: 149.132 $\pm$ 0.000 χ^2 /NDF: 6361736.2/3
 Right Out: 144.658 $\pm$ 0.000 χ^2 /NDF: 4207861518.0/18
 Left In: 149.272 $\pm$ 0.000 χ^2 /NDF: 69048.4/2

+ sign 145.652 $\pm$ 0.000 χ^2 /NDF: 3959353051.3/20
 All: 145.837 $\pm$ 0.000 χ^2 /NDF: 8524643266.6
 - sign 146.025 $\pm$ 0.000 χ^2 /NDF: 4559756496.1/21

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1262045.4/16

Left Out: 0.314 $\pm$ 0.000 χ^2 /NDF: 25132.2/3

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1218896.8/18

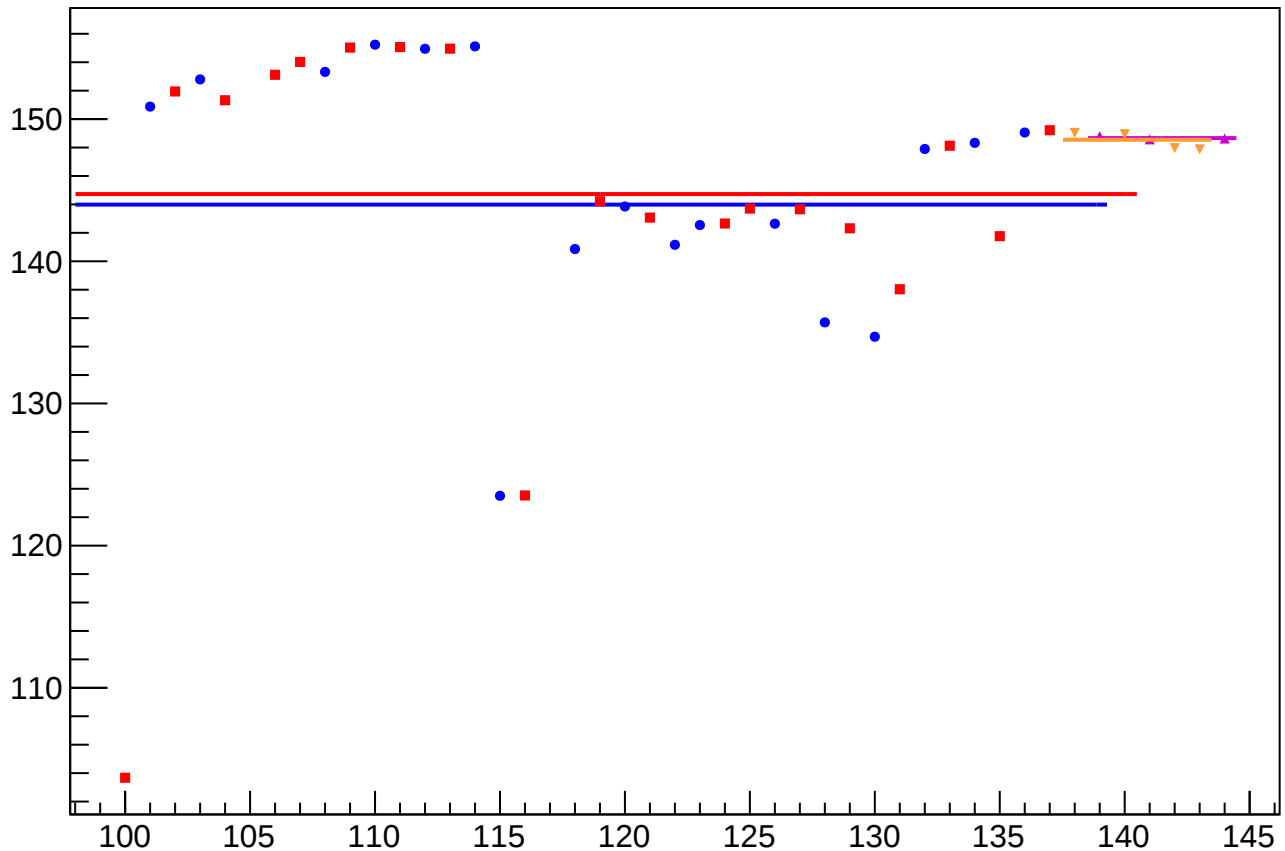
Left In: 0.314 $\pm$ 0.000 χ^2 /NDF: 47453.9/2

+ sign 0.317 $\pm$ 0.000 χ^2 /NDF: 1287971.3/20

All: 0.319 $\pm$ 0.000 χ^2 /NDF: 2558049.2/42

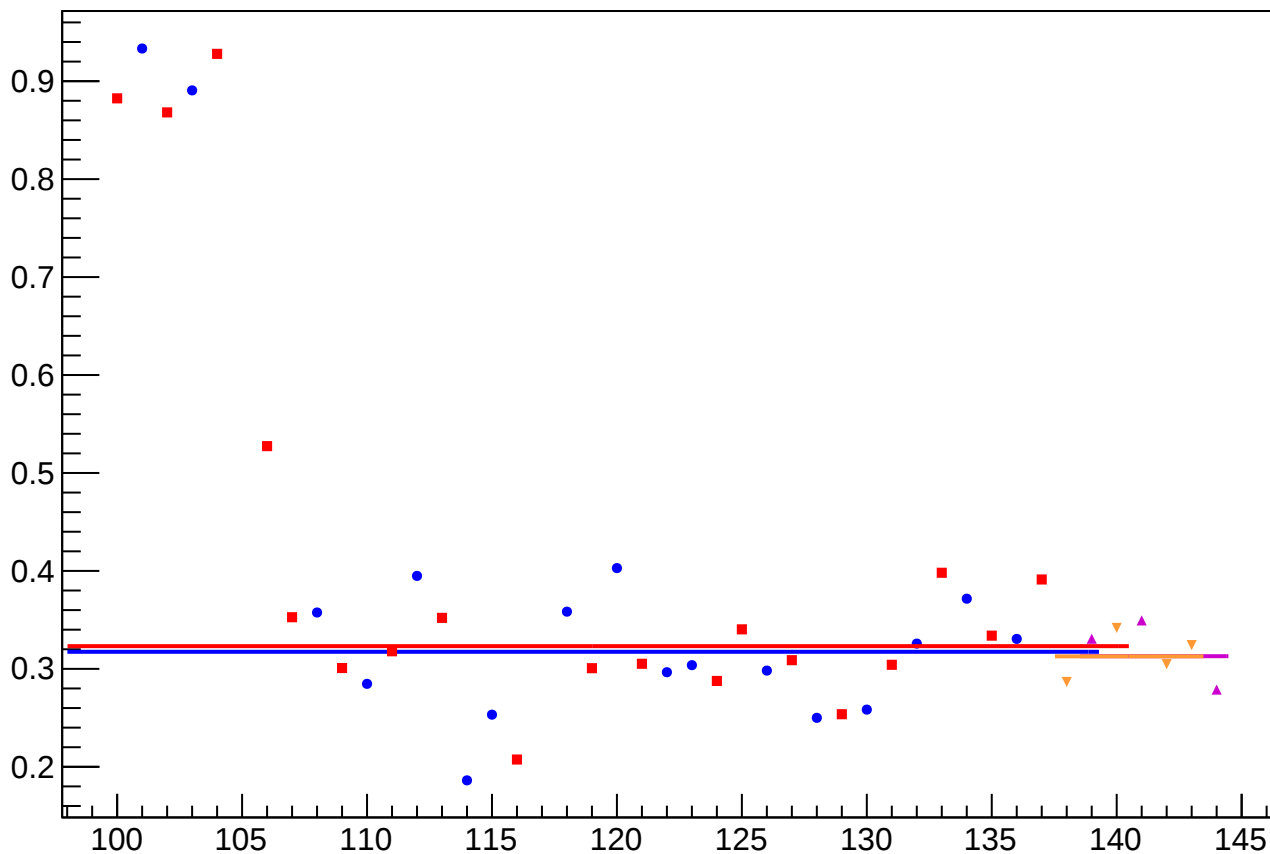
- sign 0.321 $\pm$ 0.000 χ^2 /NDF: 1269011.2/21

yield_bcm_an_us_mean vs Slug



Right In: 143.986 $\pm$ 0.000 χ^2 /NDF: 3664472942.4/16
 Left Out: 148.548 $\pm$ 0.000 χ^2 /NDF: 7333292.7/3
 Right Out: 144.728 $\pm$ 0.000 χ^2 /NDF: 4473024875.8/18
 Left In: 148.664 $\pm$ 0.000 χ^2 /NDF: 181076.3/2
 + sign 145.448 $\pm$ 0.000 χ^2 /NDF: 4037548618.1/20
 All: 145.673 $\pm$ 0.000 χ^2 /NDF: 8776961582.7
 - sign 145.901 $\pm$ 0.000 χ^2 /NDF: 4731190671.8/21

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1274892.4/16

Left Out: 0.313 $\pm$ 0.000 χ^2 /NDF: 25280.6/3

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1221204.9/18

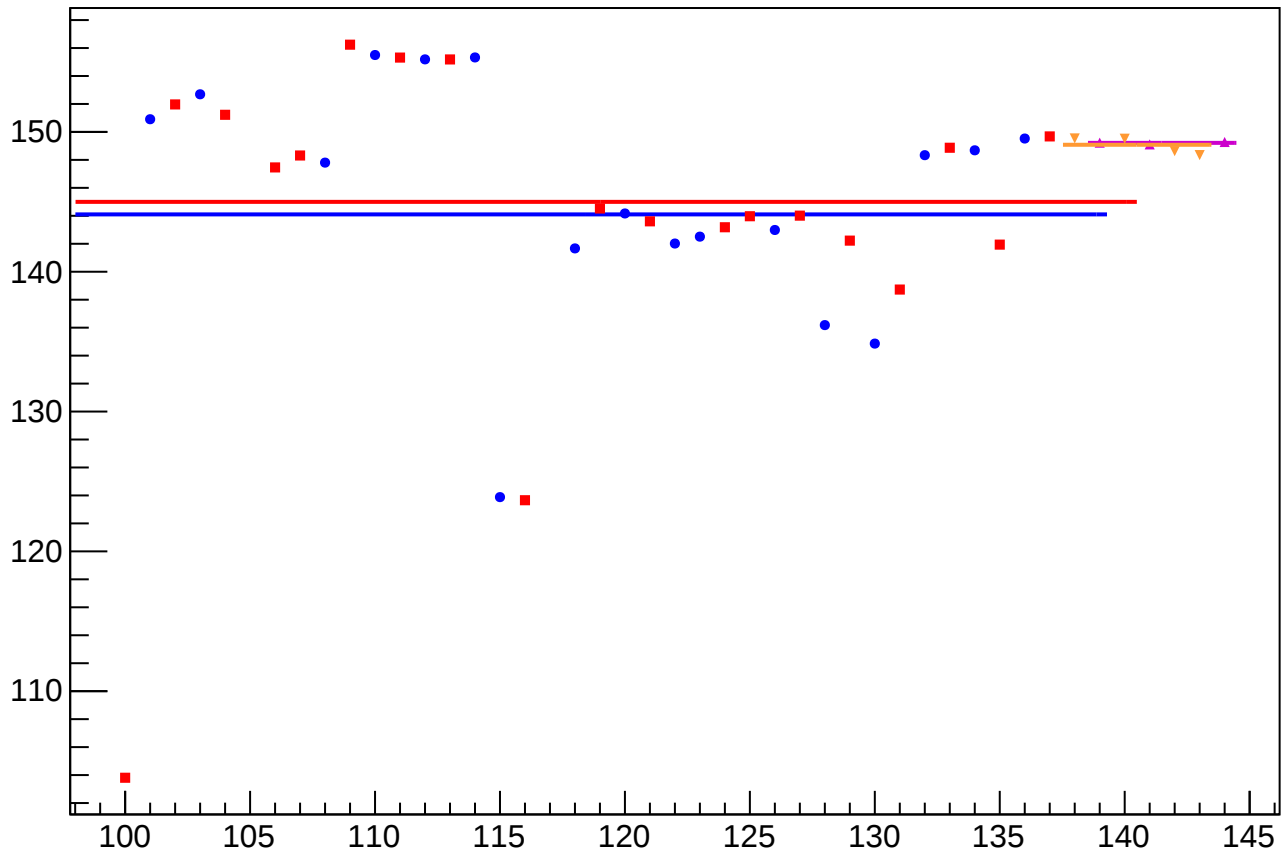
Left In: 0.313 $\pm$ 0.000 χ^2 /NDF: 46622.9/2

+ sign 0.316 $\pm$ 0.000 χ^2 /NDF: 1300937.0/20

All: 0.318 $\pm$ 0.000 χ^2 /NDF: 2573690.7/42

- sign 0.320 $\pm$ 0.000 χ^2 /NDF: 1271339.3/21

yield_bcm_dg_us_mean vs Slug



Right In: 144.101 $\pm$ 0.000 χ^2 /NDF: 3163250979.7/16

Left Out: 149.081 $\pm$ 0.000 χ^2 /NDF: 6416077.3/3

Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3853420991.4/18

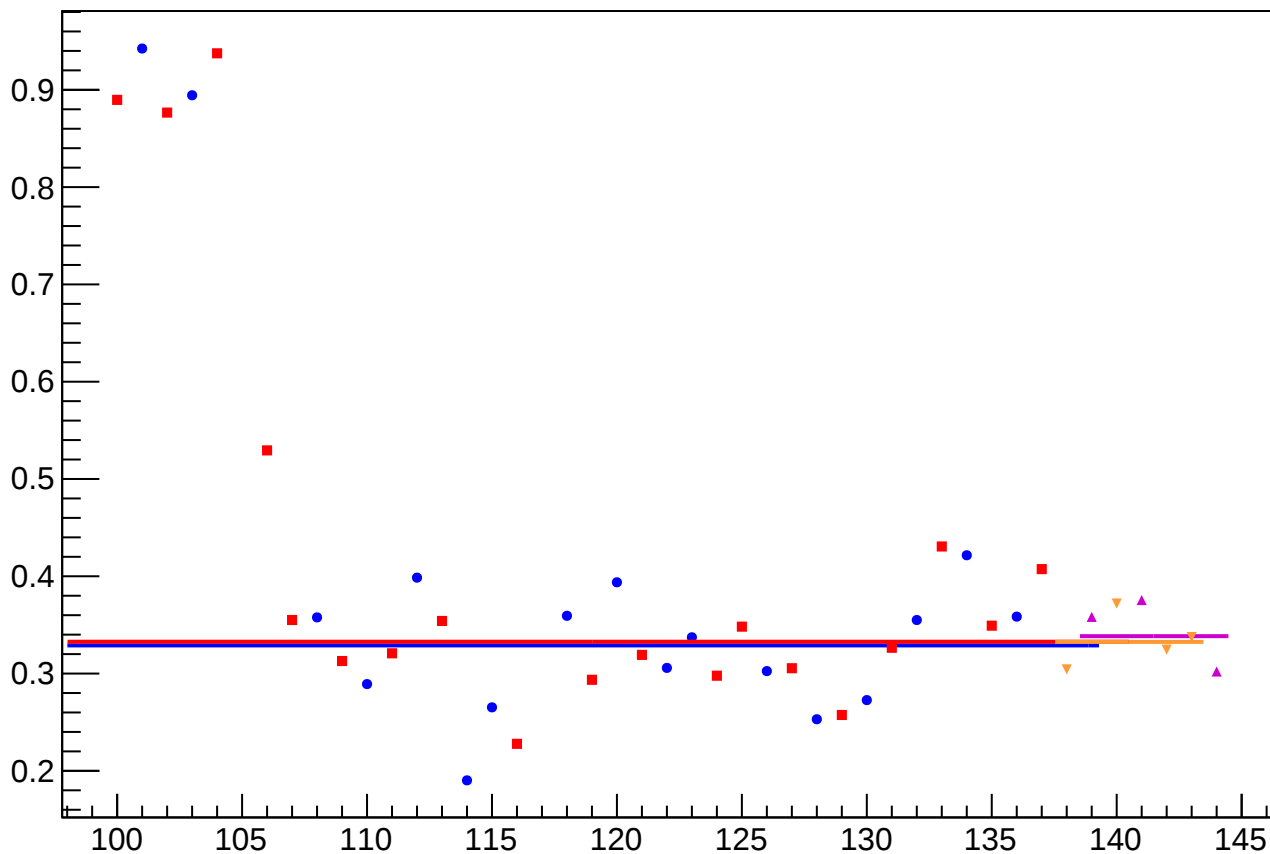
Left In: 149.218 $\pm$ 0.000 χ^2 /NDF: 105673.8/2

+ sign 145.628 $\pm$ 0.000 χ^2 /NDF: 3556731304.3/20

All: 145.894 $\pm$ 0.000 χ^2 /NDF: 7679612434.2

- sign 146.163 $\pm$ 0.000 χ^2 /NDF: 4112404963.0/21

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 $\pm$ 0.000 χ^2 /NDF: 1259207.9/16

Left Out: 0.333 $\pm$ 0.000 χ^2 /NDF:30033.3/3

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1181630.3/18

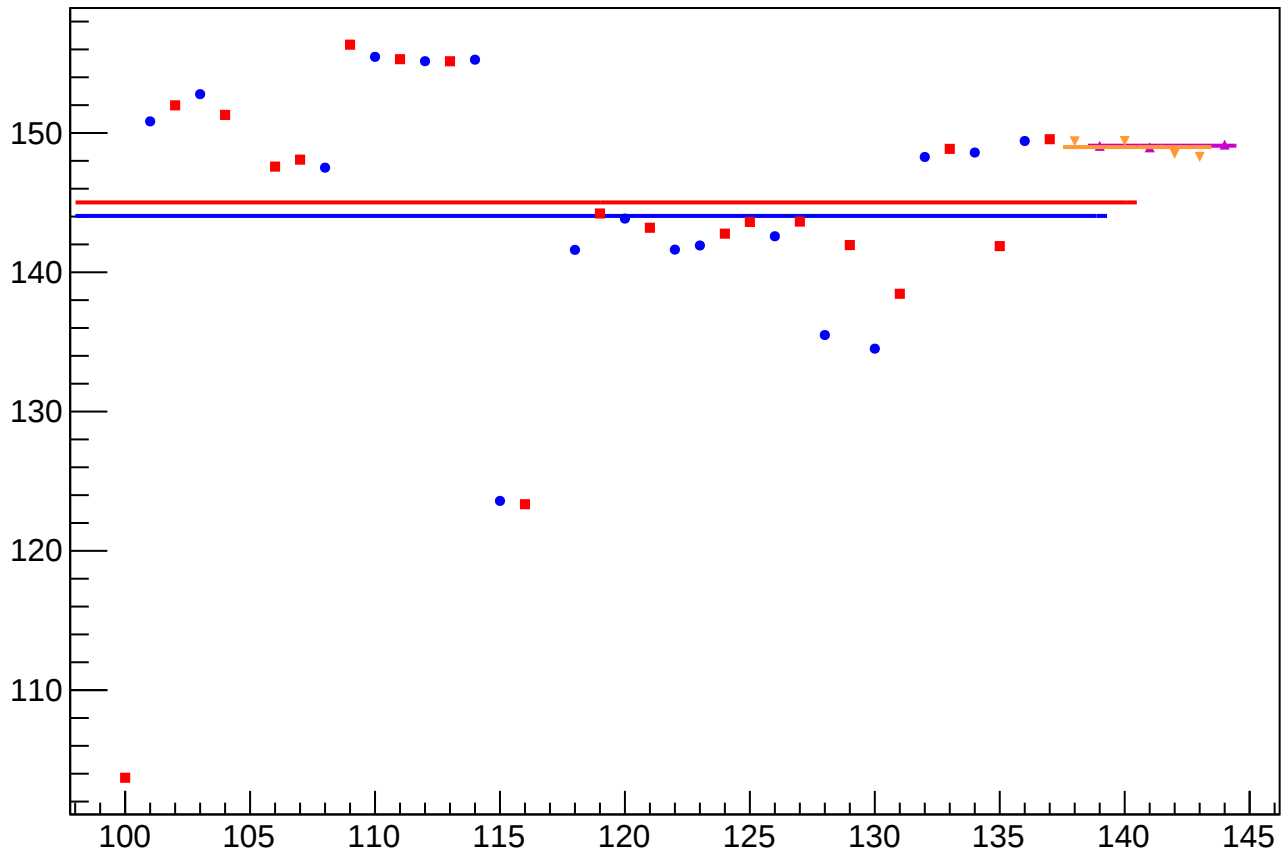
Left In: 0.338 $\pm$ 0.000 χ^2 /NDF:43696.5/2

+ sign 0.330 $\pm$ 0.000 χ^2 /NDF: 1289648.5/20

All: 0.332 $\pm$ 0.000 χ^2 /NDF: 2517254.4/42

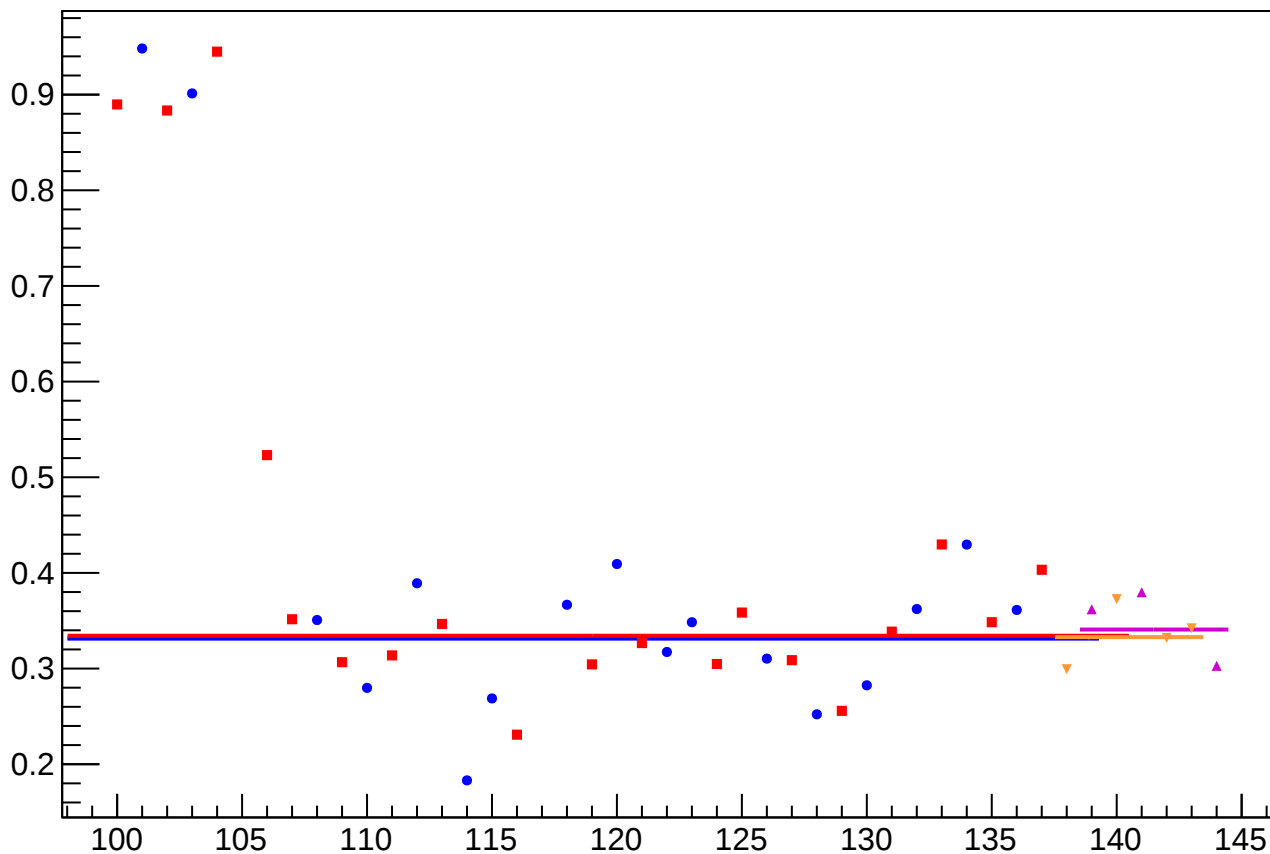
- sign 0.334 $\pm$ 0.000 χ^2 /NDF: 1226273.5/21

yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 $\pm$ 0.000	χ^2 /NDF: 3282867390.8/16	+ sign 145.571 $\pm$ 0.000	χ^2 /NDF: 3665941976.7/20
Left Out: 148.990 $\pm$ 0.000	χ^2 /NDF: 5848859.0/3	All: 145.851 $\pm$ 0.000	χ^2 /NDF: 7843734146.4
Right Out: 145.016 $\pm$ 0.000	χ^2 /NDF: 3929576449.5/18	- sign 146.133 $\pm$ 0.000	χ^2 /NDF: 4166432762.1/21
Left In: 149.088 $\pm$ 0.000	χ^2 /NDF: 130262.4/2		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331+/-0.000 χ^2/NDF : 1275232.9/16

Left Out: 0.333+/-0.000 χ^2/NDF : 35697.6/3

Right Out: 0.334+/-0.000 χ^2/NDF : 1170223.7/18

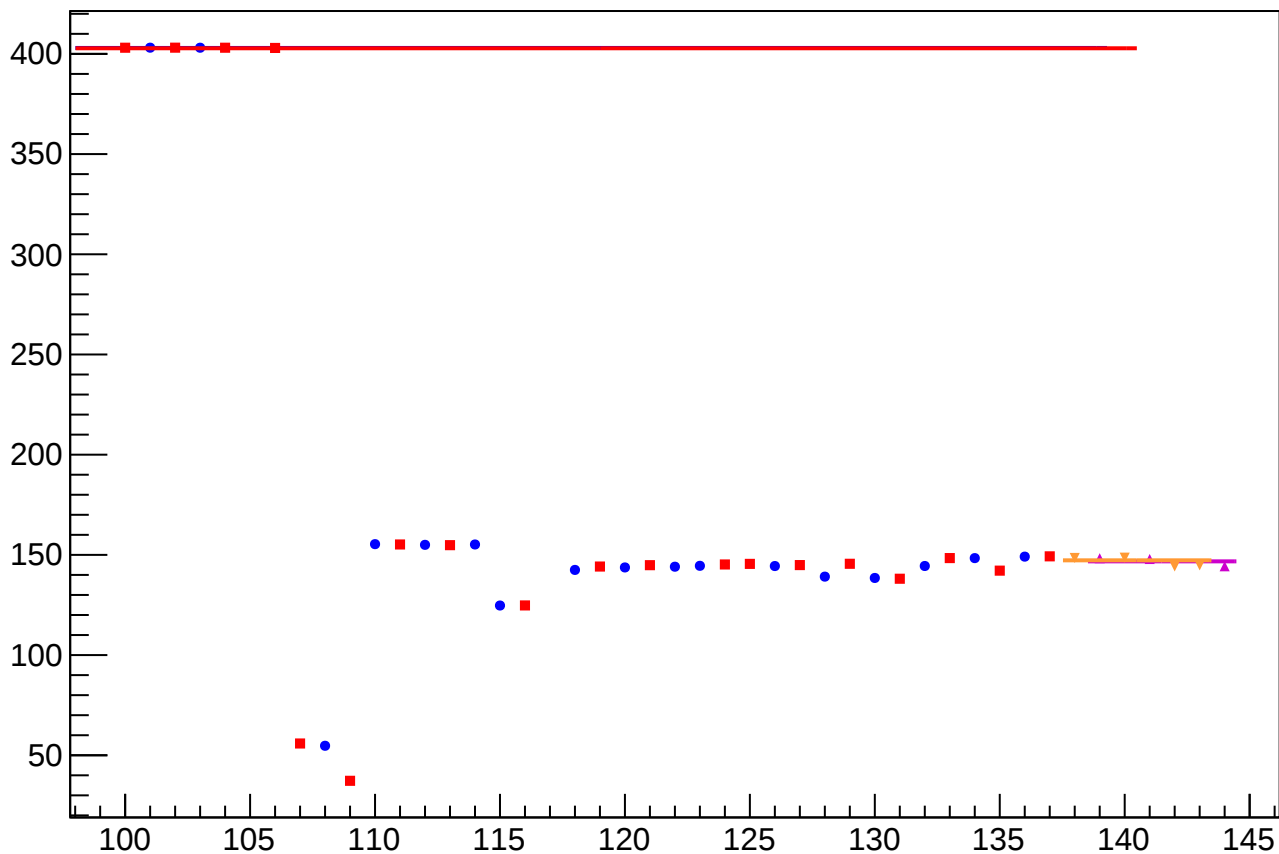
Left In: 0.341+/-0.000 χ^2/NDF : 47150.8/2

+ sign 0.332+/-0.000 χ^2/NDF : 1311007.7/20

All: 0.334+/-0.000 χ^2/NDF : 2530906.7/42

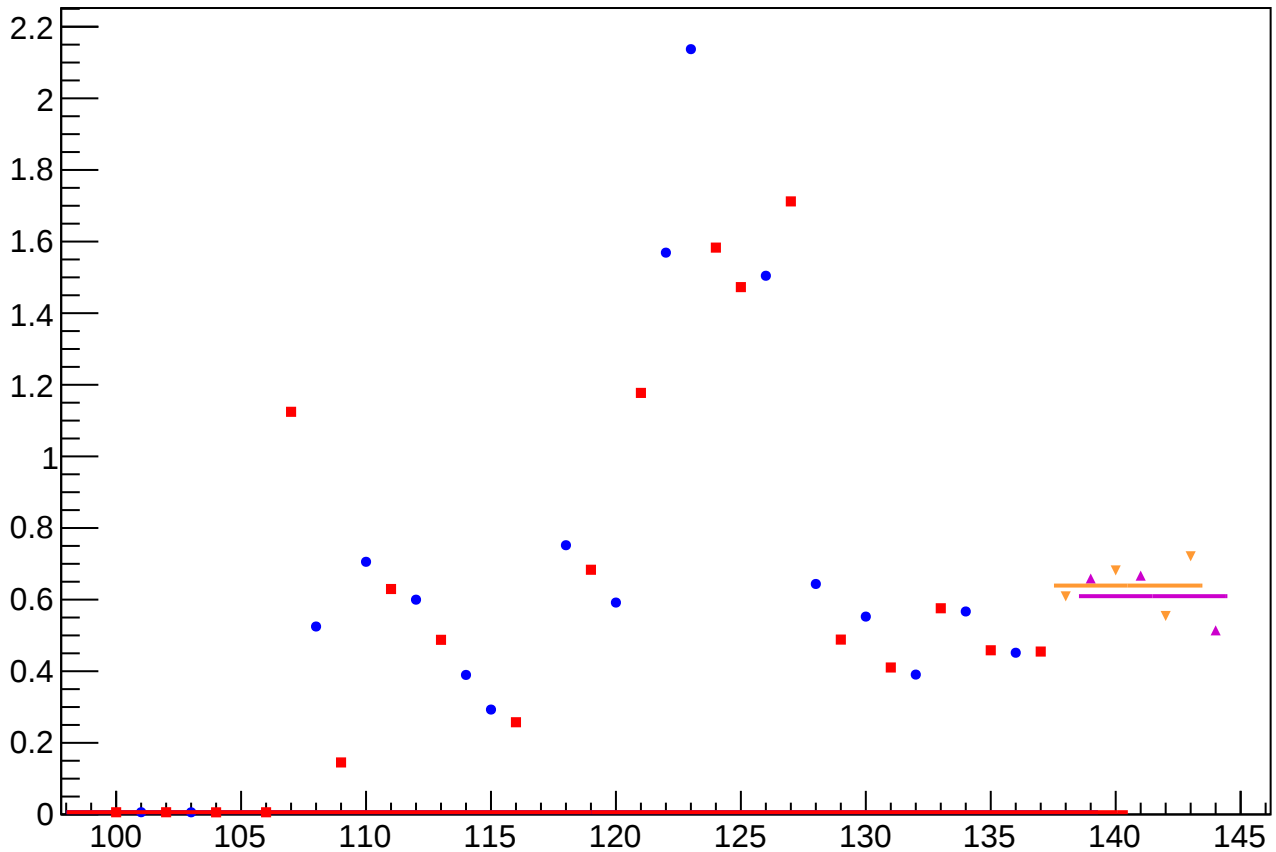
- sign 0.336+/-0.000 χ^2/NDF : 1218571.4/21

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1095567172365.3/16
 Left Out: 147.278+/-0.000 χ^2/NDF : 15622369.1/3
 Right Out: 402.799+/-0.000 χ^2/NDF : 3104385504690.3/18
 Left In: 146.768+/-0.000 χ^2/NDF : 15208653.8/2
 + sign 402.921+/-0.000 χ^2/NDF : 1384992002587.6
 All: 402.839+/-0.000 χ^2/NDF : 478458180835
 - sign 402.766+/-0.000 χ^2/NDF : 3399191384324.7

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9047828.5/16

Left Out: 0.639+/-0.000 χ^2/NDF : 27109.9/3

Right Out: 0.006+/-0.000 χ^2/NDF : 9152692.1/18

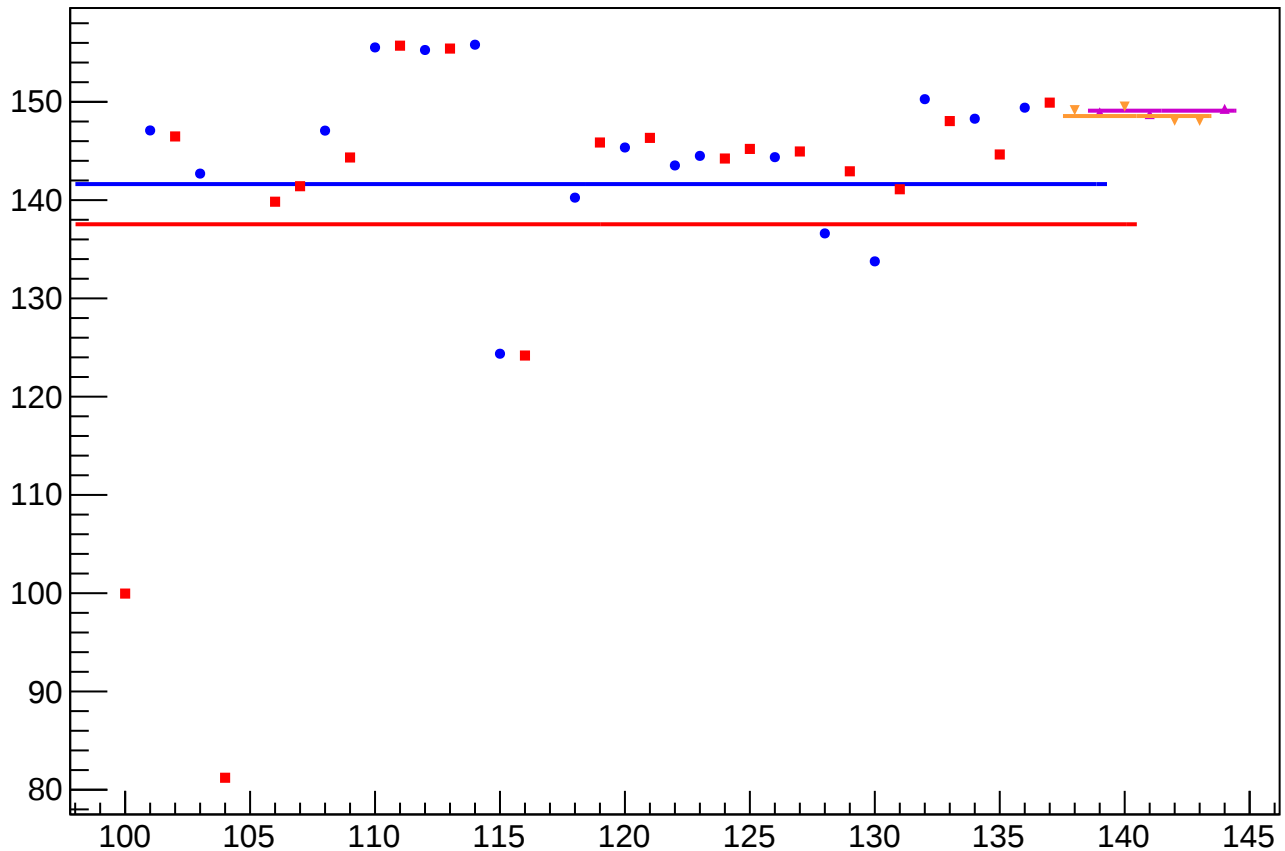
Left In: 0.610+/-0.000 χ^2/NDF : 45881.4/2

+ sign 0.006+/-0.000 χ^2/NDF : 12621640.3/20

All: 0.006+/-0.000 χ^2/NDF : 25093945.3/42

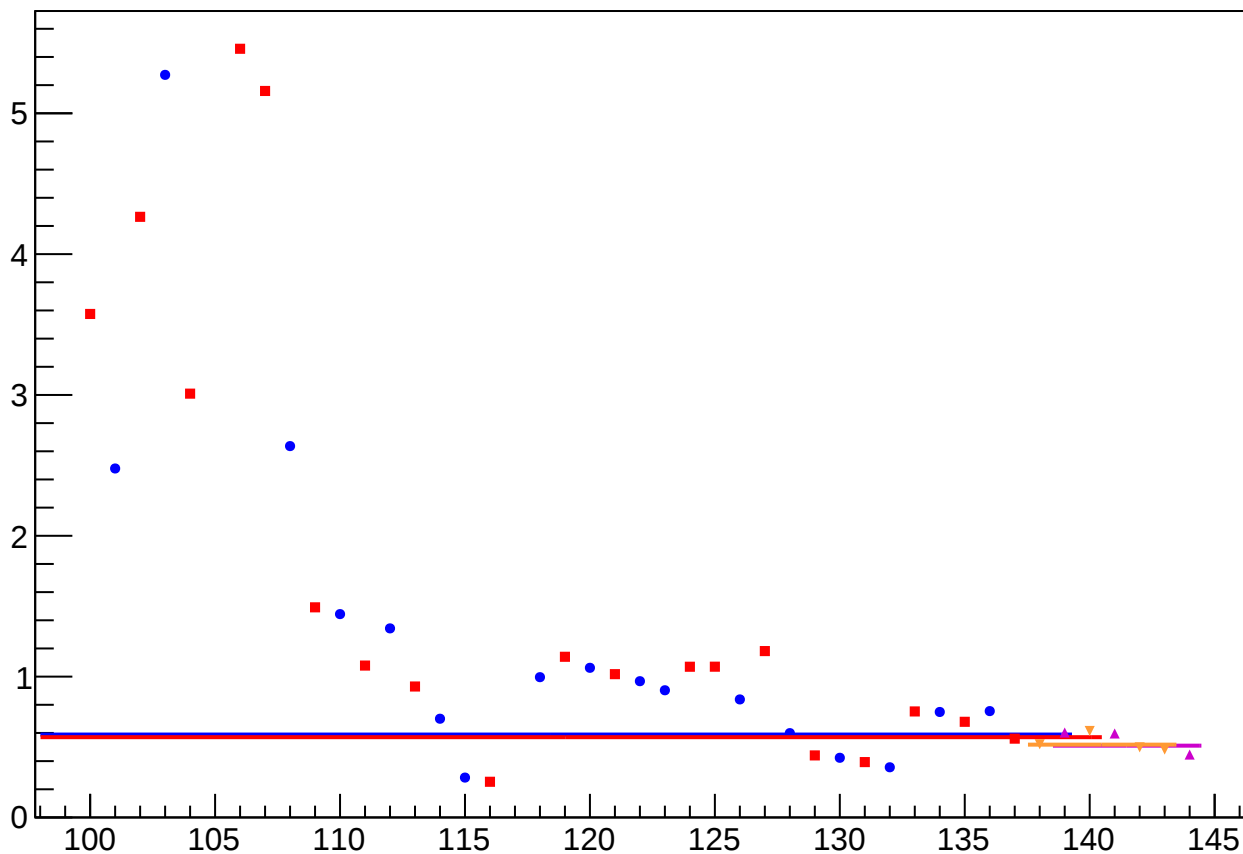
- sign 0.006+/-0.000 χ^2/NDF : 12472287.2/21

yield_cav4cQ_mean vs Slug



Right In: 141.632 $\pm$ 0.000 χ^2 /NDF: 977430315.6/16
 Left Out: 148.557 $\pm$ 0.000 χ^2 /NDF: 2616828.7/3
 Right Out: 137.543 $\pm$ 0.000 χ^2 /NDF: 1320254355.4/18
 Left In: 149.102 $\pm$ 0.000 χ^2 /NDF: 331507.3/2
 + sign 144.413 $\pm$ 0.000 χ^2 /NDF: 1174782788.3/20
 All: 143.138 $\pm$ 0.000 χ^2 /NDF: 3073345788.2
 - sign 141.850 $\pm$ 0.000 χ^2 /NDF: 1843308339.7/21

yield_cav4cQ_rms vs Slug



Right In: 0.589 $\pm$ 0.000 χ^2 /NDF: 3472432.4/16

Left Out: 0.517 $\pm$ 0.000 χ^2 /NDF:30471.8/3

Right Out: 0.570 $\pm$ 0.000 χ^2 /NDF: 4646586.2/18

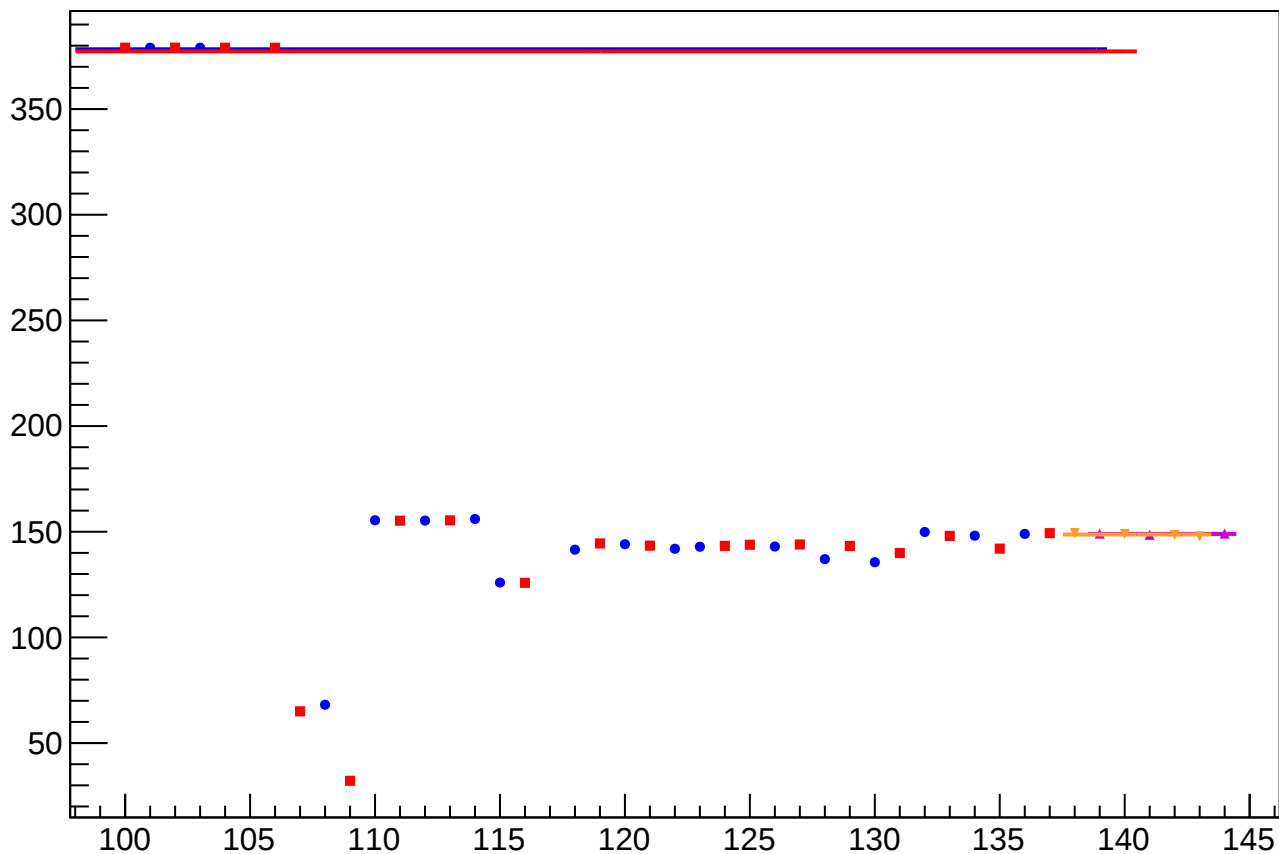
Left In: 0.510 $\pm$ 0.000 χ^2 /NDF:70610.7/2

+ sign 0.560 $\pm$ 0.000 χ^2 /NDF: 3544646.8/20

All: 0.554 $\pm$ 0.000 χ^2 /NDF: 8292775.0/42

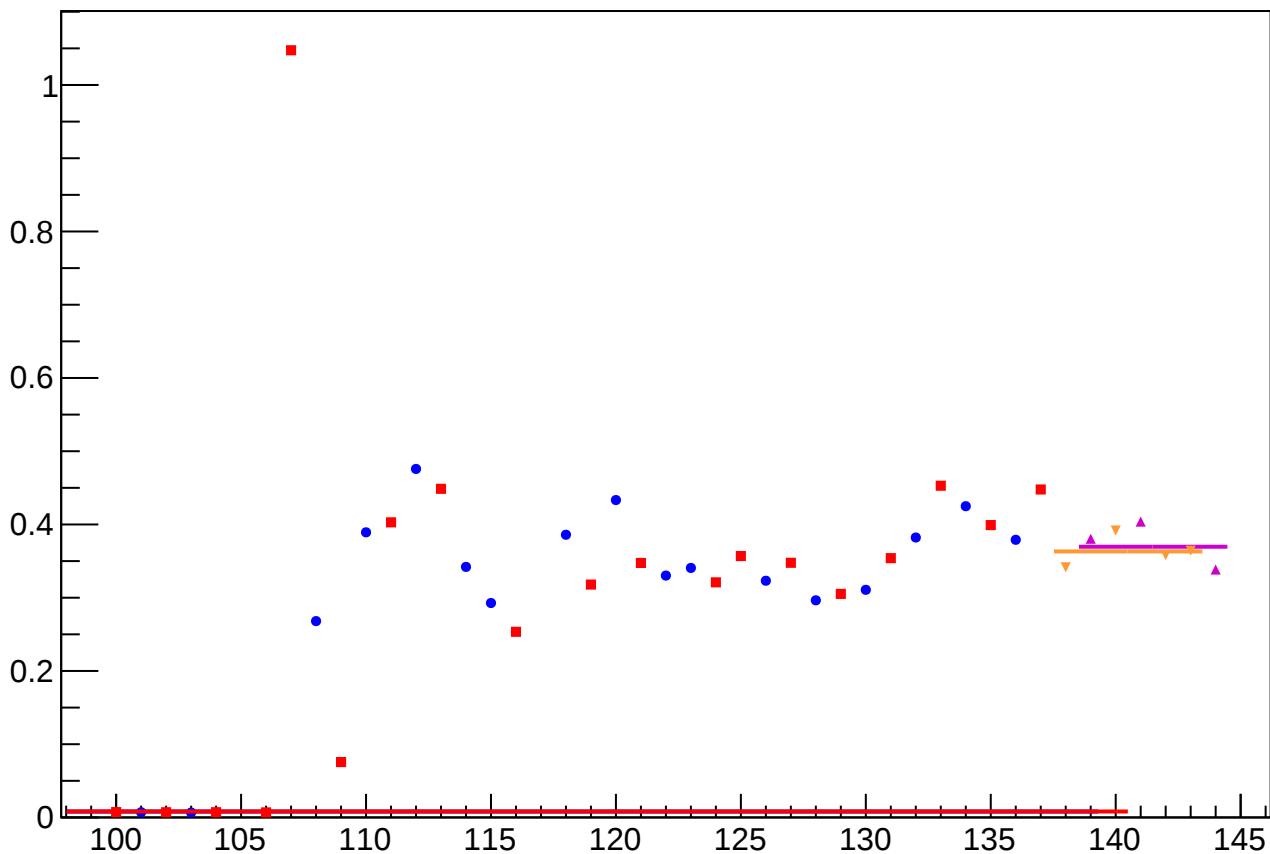
- sign 0.548 $\pm$ 0.000 χ^2 /NDF: 4745561.8/21

yield_cav4dQ_mean vs Slug



Right In: 378.290+/-0.000 χ^2/NDF : 2485728057854.8/16
 Left Out: 148.698+/-0.000 χ^2/NDF : 7655005.4/3
 Right Out: 377.288+/-0.000 χ^2/NDF : 8283929719012.3/18
 Left In: 148.963+/-0.000 χ^2/NDF : 1244993.8/2
 + sign 377.956+/-0.000 χ^2/NDF : 3505150250304.9
 All: 377.463+/-0.000 χ^2/NDF : 126888992783
 - sign 377.030+/-0.000 χ^2/NDF : 9177657192732.4

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9762871.0/16

Left Out: 0.363+/-0.000 χ^2/NDF : 14306.5/3

Right Out: 0.008+/-0.000 χ^2/NDF : 9478867.5/18

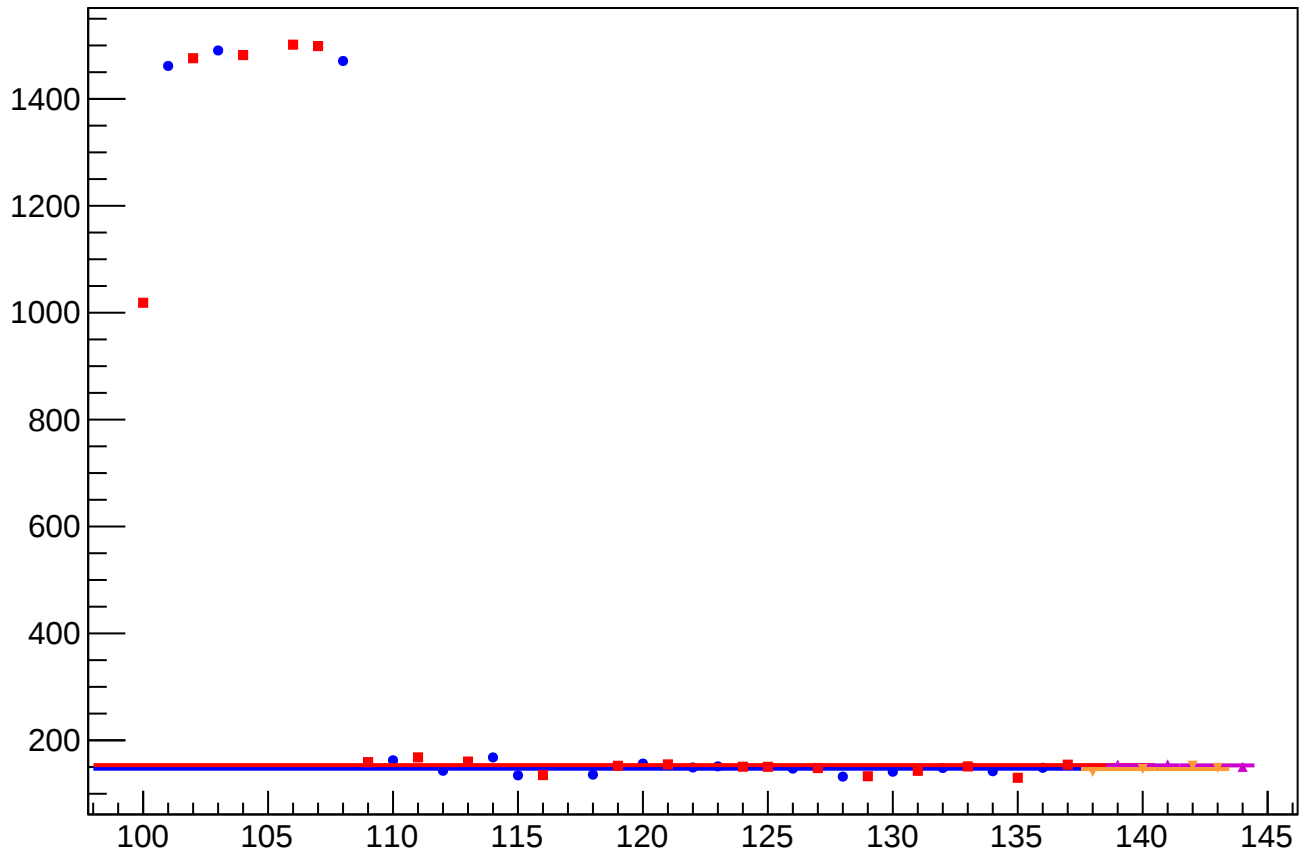
Left In: 0.370+/-0.000 χ^2/NDF : 27134.8/2

+ sign 0.009+/-0.000 χ^2/NDF : 14654070.8/20

All: 0.009+/-0.000 χ^2/NDF : 28639641.0/42

- sign 0.009+/-0.000 χ^2/NDF : 13985482.9/21

yield_bcm0l02_mean vs Slug



Right In: 146.867+/-0.000 χ^2/NDF : 24355015272.8/16

Left Out: 146.246+/-0.001 χ^2/NDF : 41737788.5/3

+ sign 146.660+/-0.000 χ^2/NDF : 24397429886.4/20

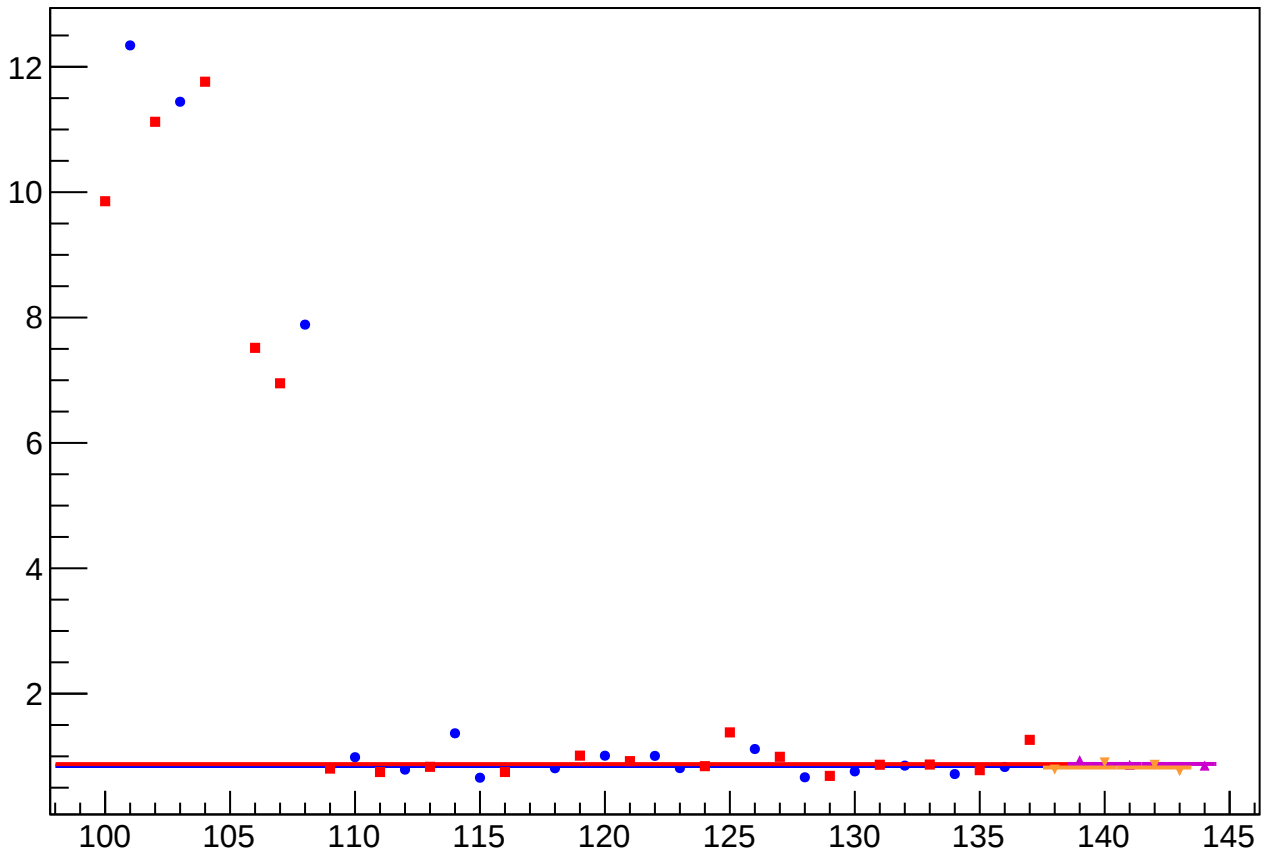
Right Out: 153.610+/-0.000 χ^2/NDF : 33790758108.7/18

All: 149.991+/-0.000 χ^2/NDF : 58378671700.0

Left In: 153.078+/-0.001 χ^2/NDF : 11509615.8/2

- sign 153.449+/-0.000 χ^2/NDF : 33802721888.1/21

yield_bcm0l02_rms vs Slug



Right In: 0.846 $\pm$ 0.000 χ^2 /NDF: 2668298.4/16

Left Out: 0.822 $\pm$ 0.000 χ^2 /NDF:17742.9/3

Right Out: 0.876 $\pm$ 0.000 χ^2 /NDF: 2828930.0/18

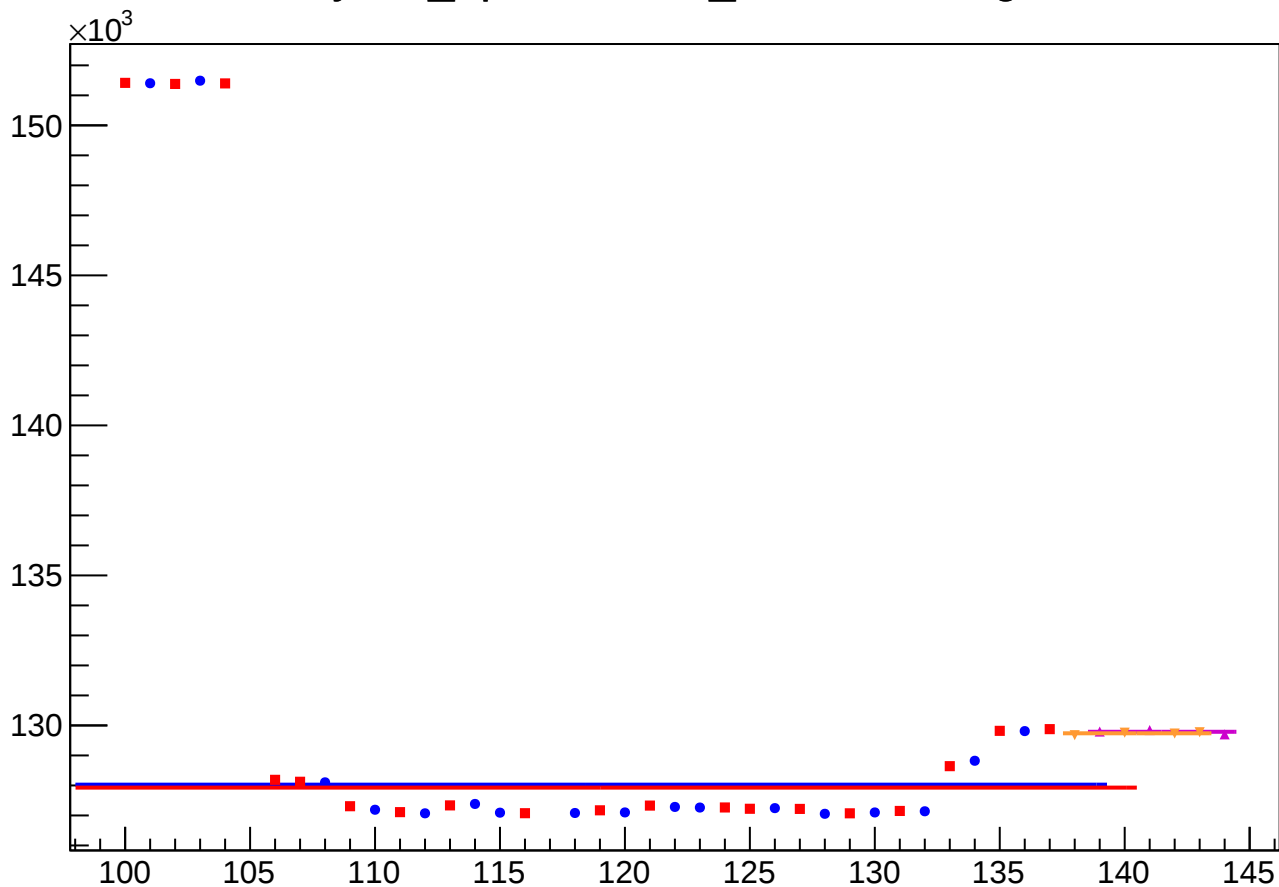
Left In: 0.879 $\pm$ 0.000 χ^2 /NDF:5871.9/2

+ sign 0.838 $\pm$ 0.000 χ^2 /NDF: 2688131.9/20

All: 0.857 $\pm$ 0.000 χ^2 /NDF: 5534570.6/42

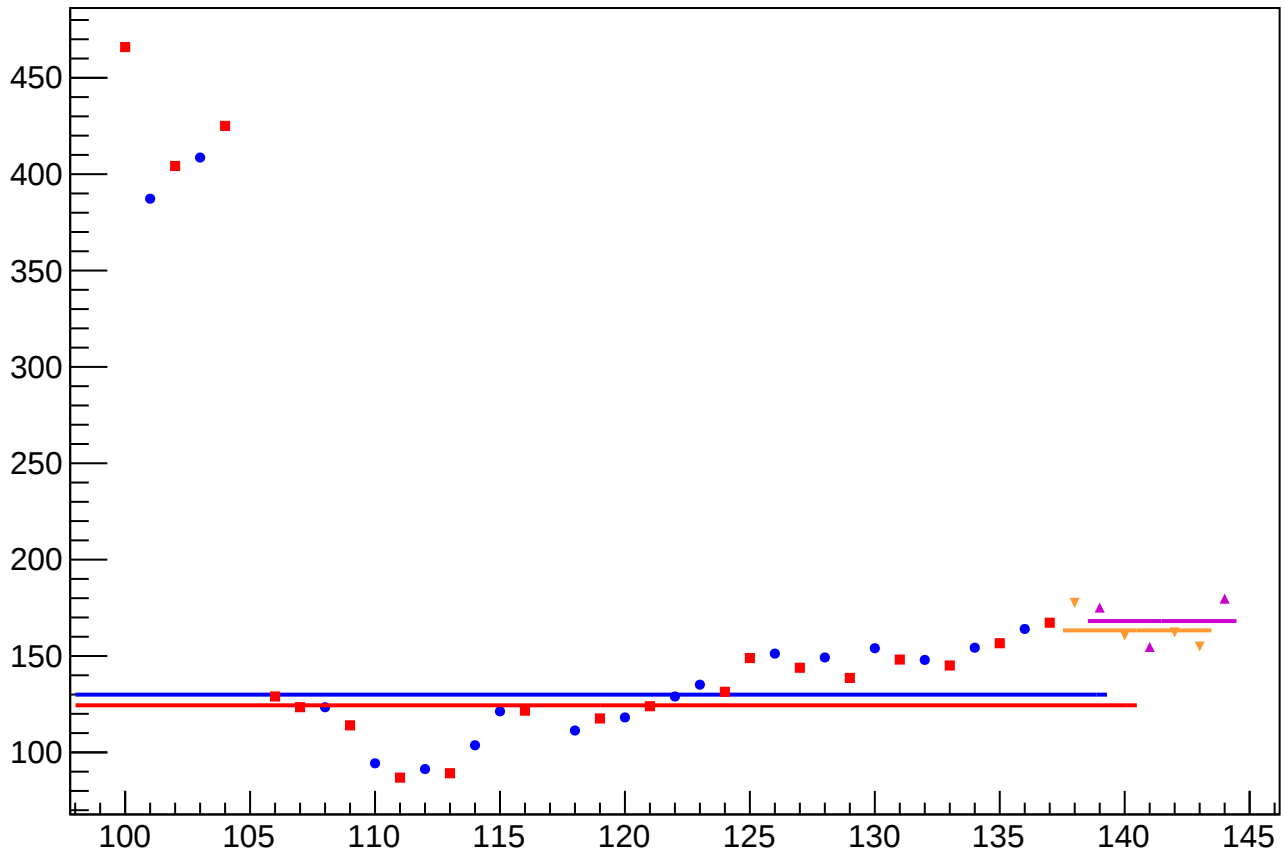
- sign 0.877 $\pm$ 0.000 χ^2 /NDF: 2834823.5/21

yield_bpm2i01WS_mean vs Slug



Right In: 128026.197 $\pm$ 0.055 χ^2 /NDF: 4315820742.0/16
 Left Out: 129737.939 $\pm$ 0.102 χ^2 /NDF:138356.8/3
 Right Out: 127927.799 $\pm$ 0.050 χ^2 /NDF: 3766946876.4/18
 Left In: 129788.398 $\pm$ 0.109 χ^2 /NDF:312930.4/2
 + sign 128406.764 $\pm$ 0.048 χ^2 /NDF: 4534215007.0
 All: 128327.915 $\pm$ 0.033 χ^2 /NDF: 854780412
 - sign 128256.936 $\pm$ 0.046 χ^2 /NDF: 4008499433.1

yield_bpm2i01WS_rms vs Slug



Right In: 129.956+/-0.039 χ^2/NDF : 1484094.0/16

Left Out: 163.295+/-0.072 χ^2/NDF :13586.0/3

Right Out: 124.419+/-0.036 χ^2/NDF : 1525709.6/18

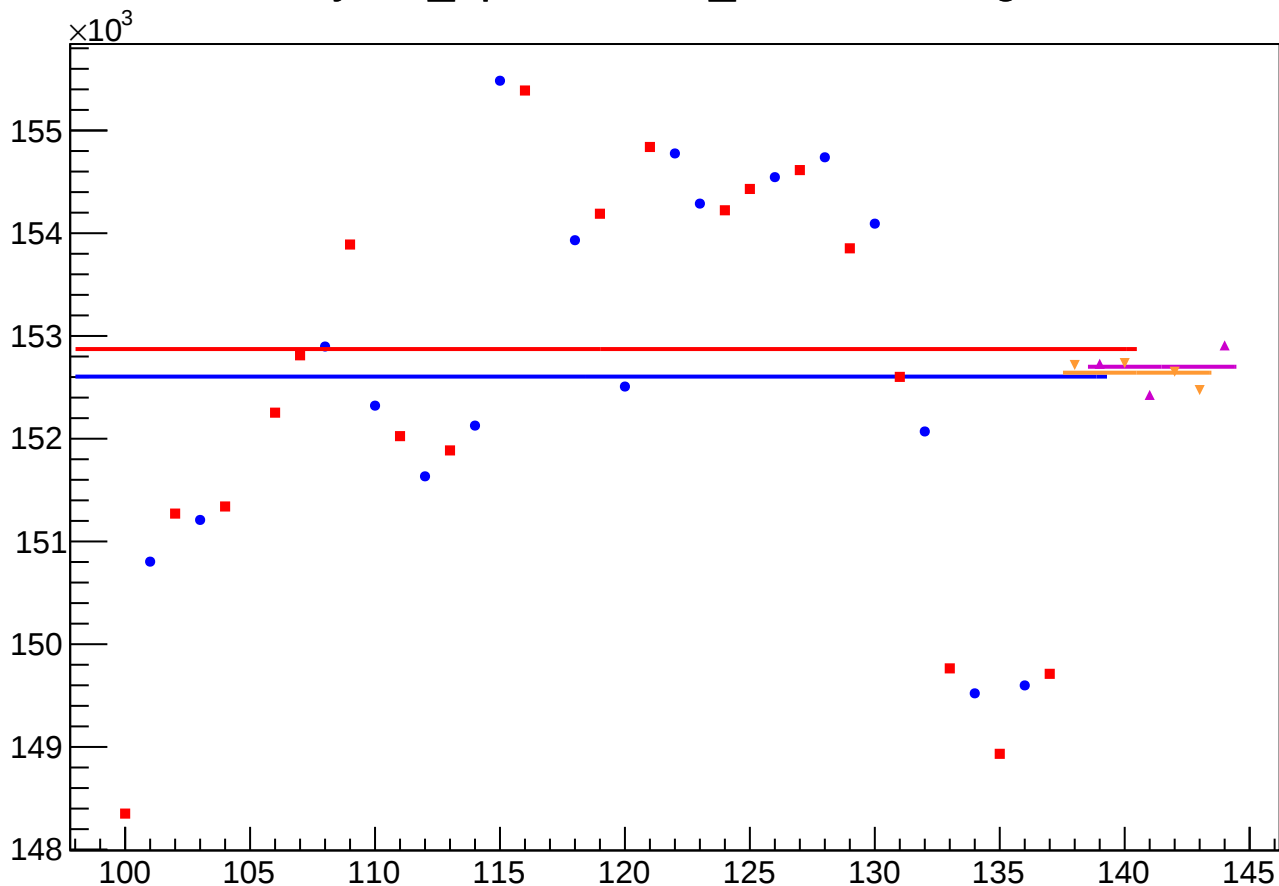
Left In: 168.132+/-0.077 χ^2/NDF :21991.9/2

+ sign 137.368+/-0.034 χ^2/NDF : 1663262.9/20

All: 134.623+/-0.023 χ^2/NDF : 3489619.7/42

- sign 132.152+/-0.032 χ^2/NDF : 1814016.9/21

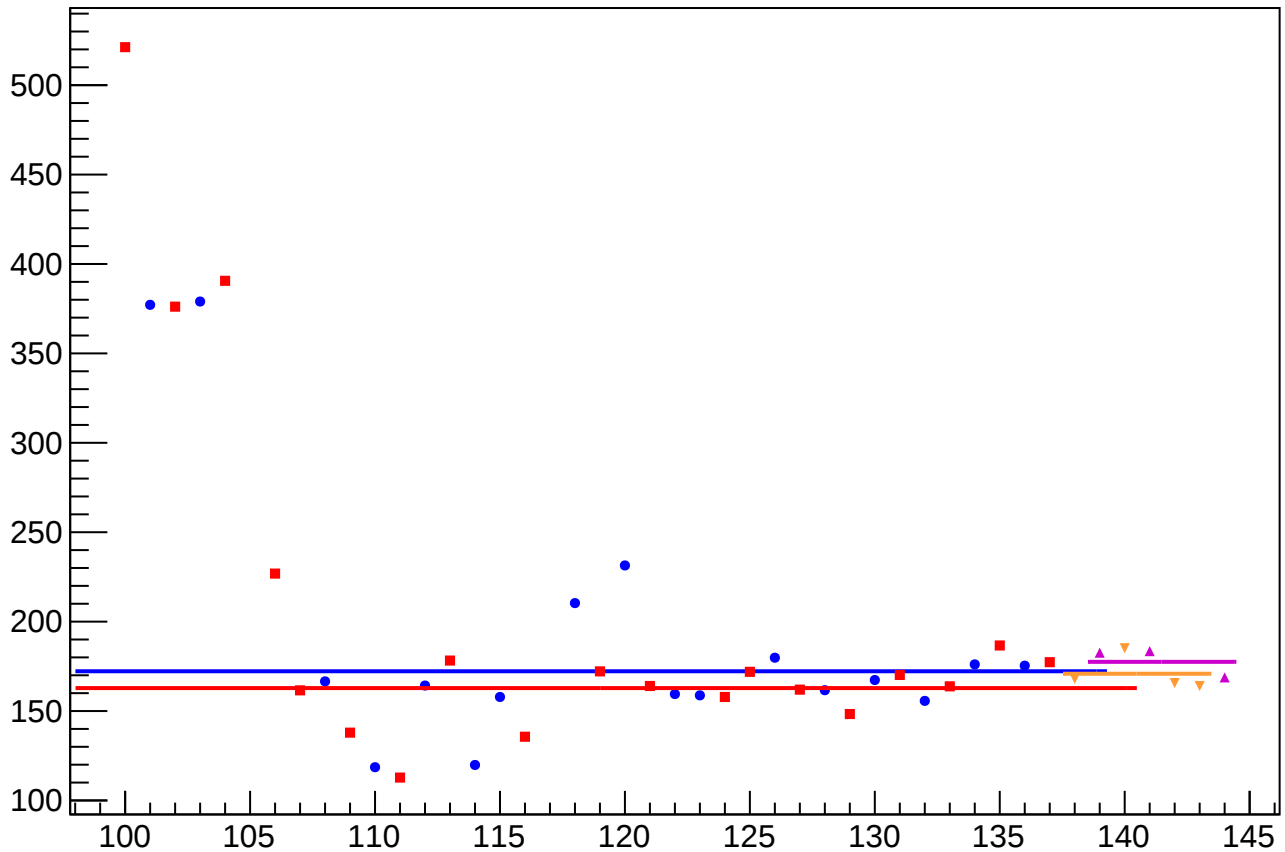
yield_bpm0i07WS_mean vs Slug



Right In: 152604.581 $\pm$ 0.072 χ^2 /NDF: 618623287.4/16
 Left Out: 152642.642 $\pm$ 0.107 χ^2 /NDF: 1029316.1/3
 Right Out: 152872.589 $\pm$ 0.066 χ^2 /NDF: 715748064.0/18
 Left In: 152700.443 $\pm$ 0.115 χ^2 /NDF: 3166104.4/2

+ sign 152616.468 $\pm$ 0.060 χ^2 /NDF: 619738974.3/2
 All: 152727.857 $\pm$ 0.041 χ^2 /NDF: 134693137
 - sign 152829.544 $\pm$ 0.057 χ^2 /NDF: 720603960.8/2

yield_bpm0i07WS_rms vs Slug



Right In: 172.246 ± 0.051 χ^2/NDF : 925645.6/16

Left Out: 170.861 ± 0.076 χ^2/NDF : 12536.4/3

+ sign 171.814 ± 0.042 χ^2/NDF : 938410.6/20

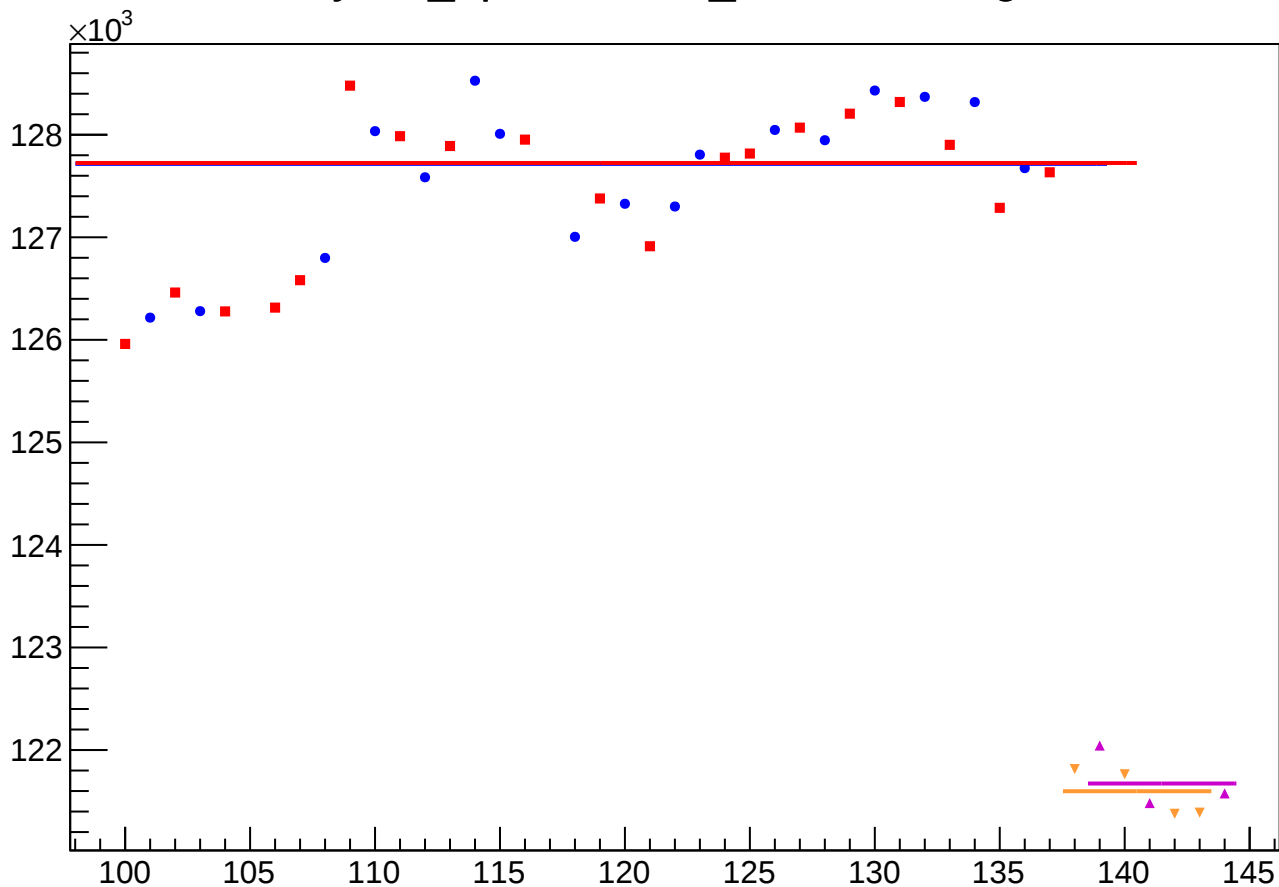
Right Out: 162.843 ± 0.047 χ^2/NDF : 1031113.1/18

All: 169.042 ± 0.029 χ^2/NDF : 2009641.1/42

- sign 166.512 ± 0.041 χ^2/NDF : 1063073.7/21

Left In: 177.518 ± 0.081 χ^2/NDF : 7400.8/2

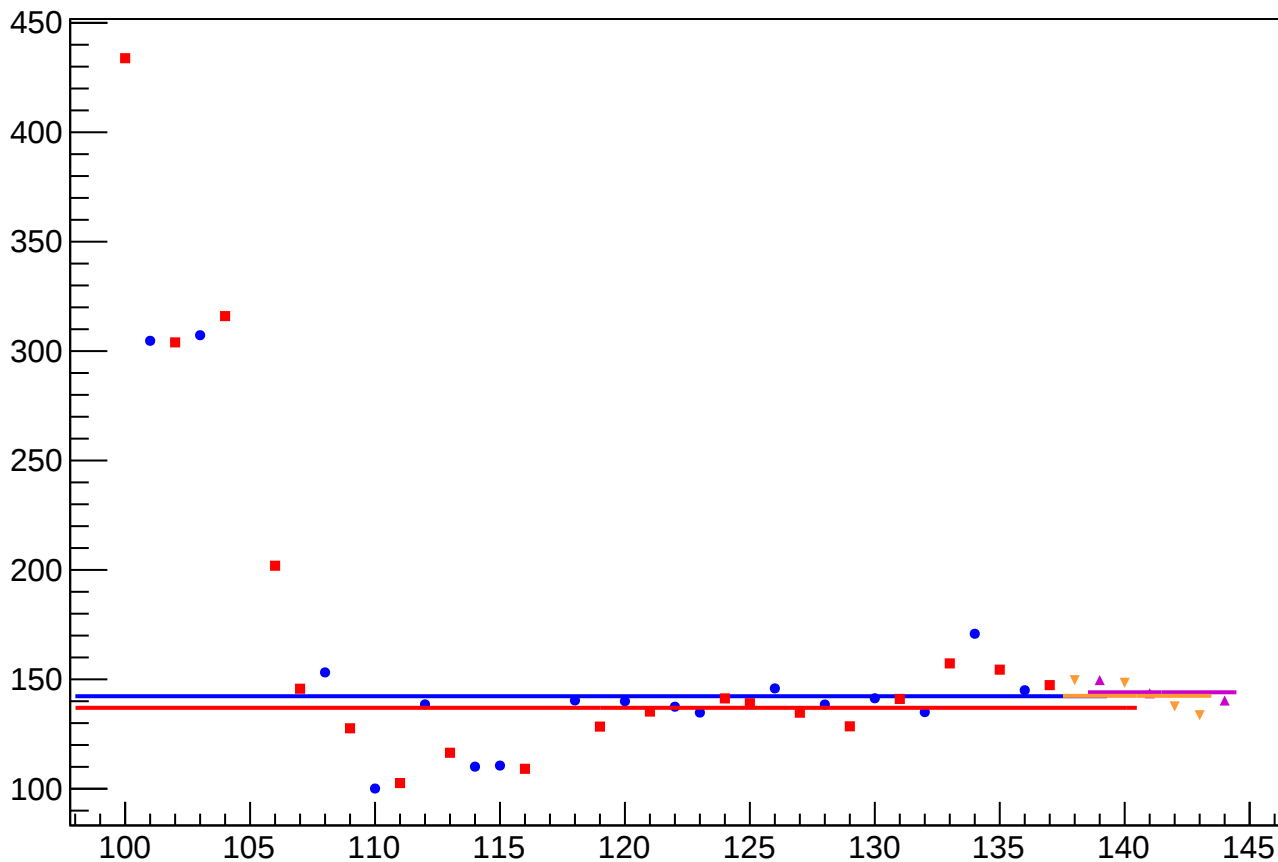
yield_bpm0l01WS_mean vs Slug



Right In: 127716.166 $\pm$ 0.058 χ^2 /NDF: 94931980.7/16
 Left Out: 121598.305 $\pm$ 0.090 χ^2 /NDF: 5015015.9/3
 Right Out: 127724.552 $\pm$ 0.055 χ^2 /NDF: 112583303.4/18
 Left In: 121673.456 $\pm$ 0.093 χ^2 /NDF: 6236622.7/2

+ sign 125904.841 $\pm$ 0.049 χ^2 /NDF: 3347989879.4
 All: 126050.077 $\pm$ 0.034 χ^2 /NDF: 66165852
 - sign 126184.198 $\pm$ 0.047 χ^2 /NDF: 3251701345.5

yield_bpm0l01WS_rms vs Slug



Right In: 142.282 $\pm$ 0.041 χ^2 /NDF: 836459.8/16

Left Out: 142.460 $\pm$ 0.064 χ^2 /NDF:12302.9/3

Right Out: 136.989 $\pm$ 0.039 χ^2 /NDF: 956883.0/18

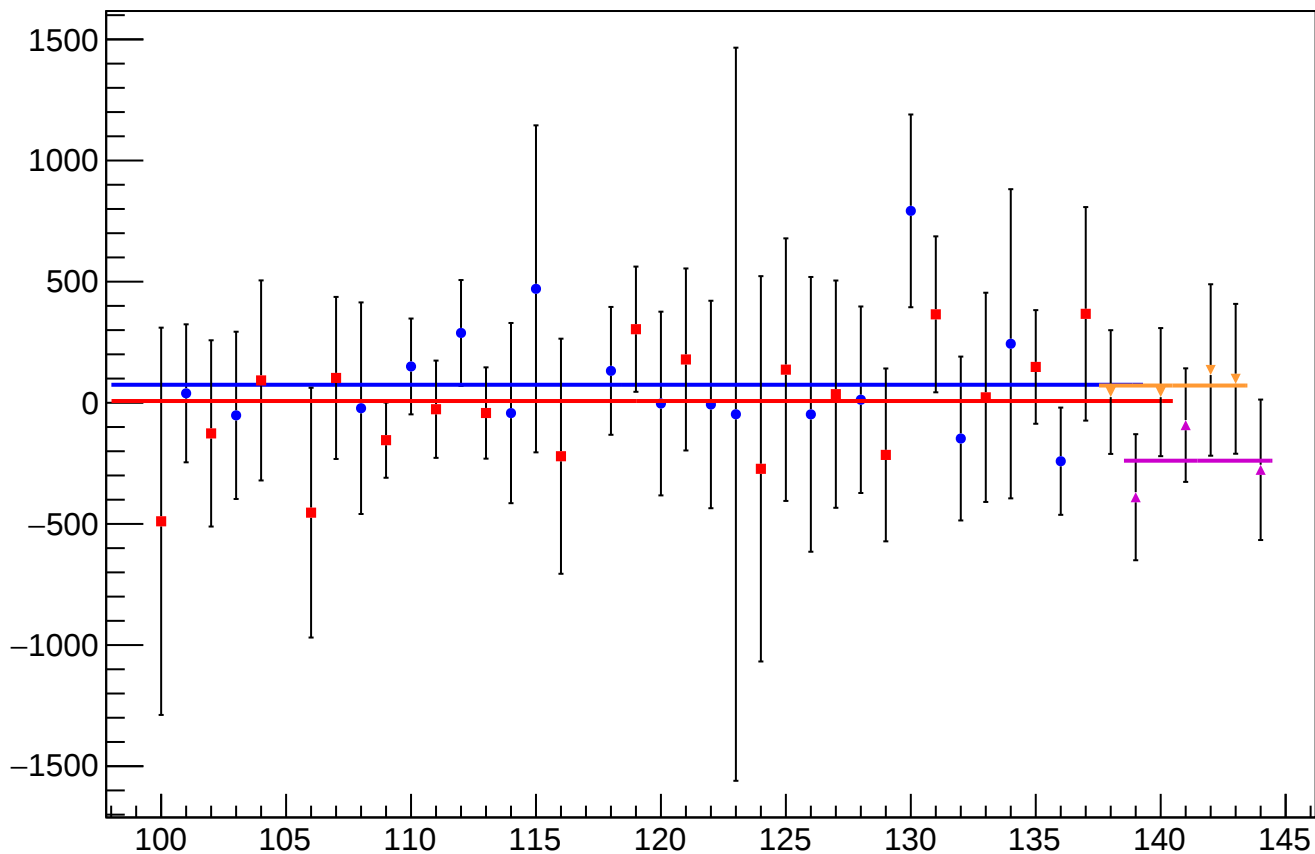
Left In: 144.089 $\pm$ 0.066 χ^2 /NDF:3202.6/2

+ sign 142.334 $\pm$ 0.035 χ^2 /NDF: 848768.2/20

All: 140.495 $\pm$ 0.024 χ^2 /NDF: 1822897.7/42

- sign 138.797 $\pm$ 0.033 χ^2 /NDF: 968710.4/21

asym_bcm_an_ds_mean vs Slug



Right In: 74.411+/-79.831 χ^2/NDF : 7.7/16

Left Out: 71.261+/-144.215 χ^2/NDF : 0.1/3

Right Out: 7.330+/-70.110 χ^2/NDF : 7.2/18

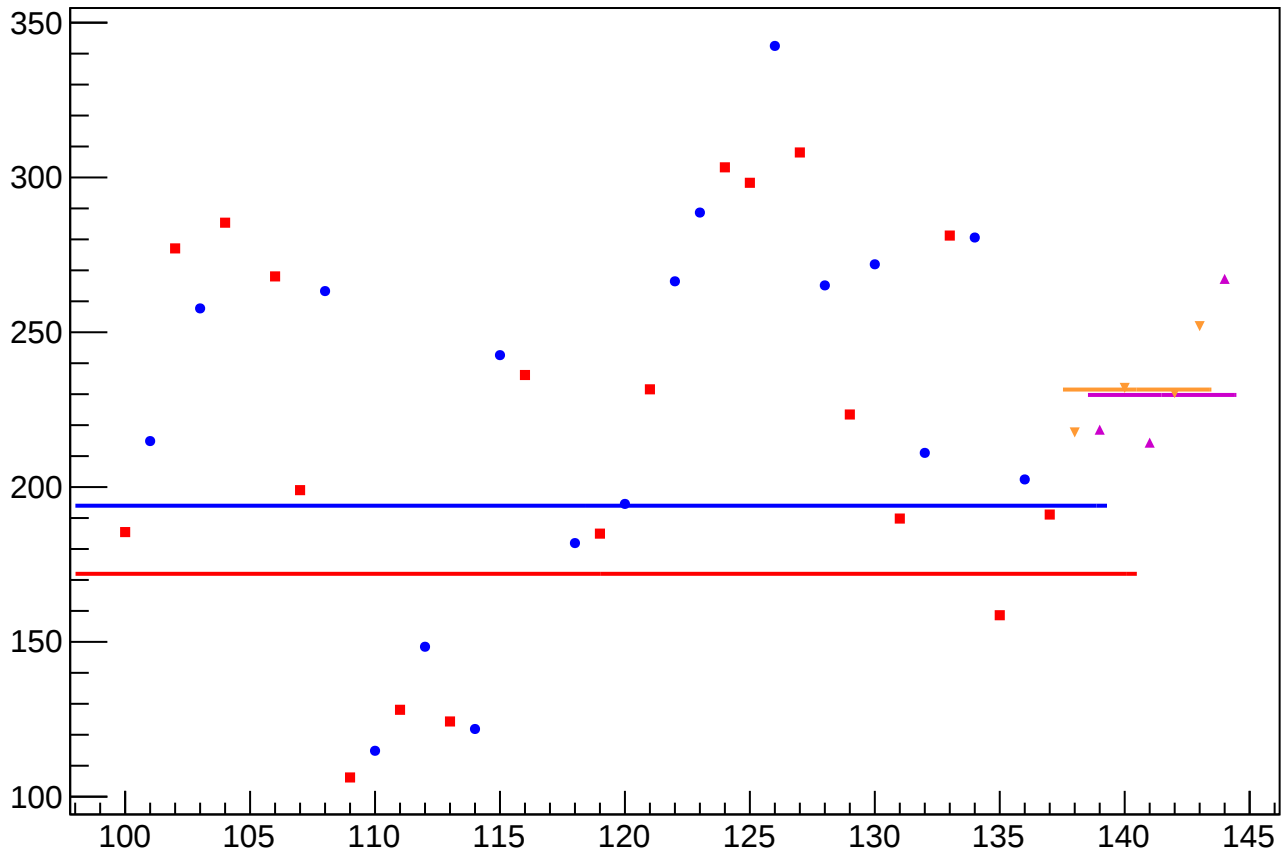
Left In: -239.000+/-149.275 χ^2/NDF : 0.7/2

+ sign 73.672+/-69.844 χ^2/NDF : 7.8/20

All: 12.945+/-46.968 χ^2/NDF : 19.4/42

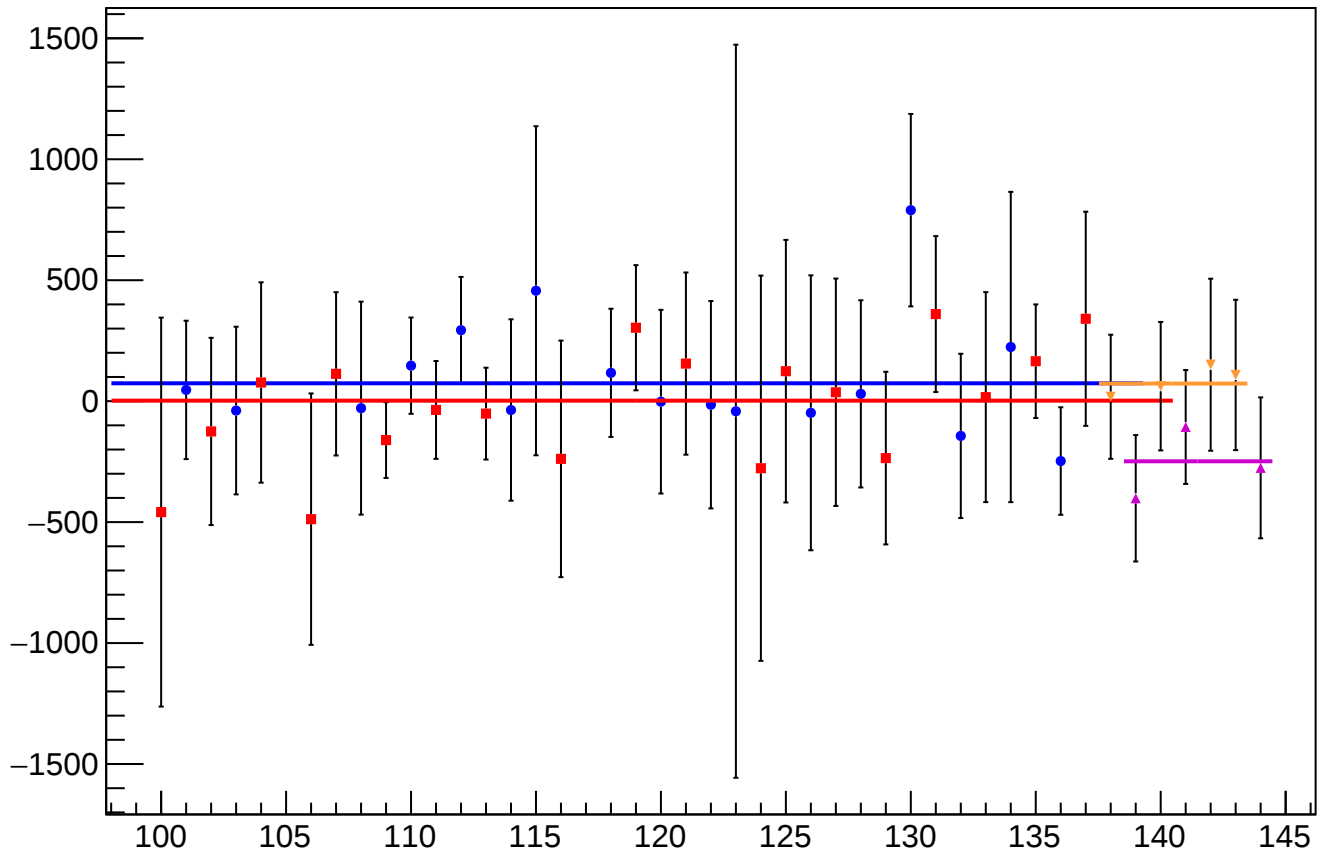
- sign -37.188+/-63.459 χ^2/NDF : 10.2/21

asym_bcm_an_ds_rms vs Slug



Right In: 193.981+/-0.056	χ^2/NDF : 1018863.8/16	+ sign 202.780+/-0.049	χ^2/NDF : 1137139.9/20
Left Out: 231.497+/-0.102	χ^2/NDF : 14677.4/3	All: 191.629+/-0.033	χ^2/NDF : 3096053.5/42
Right Out: 171.982+/-0.050	χ^2/NDF : 1574584.7/18	- sign 182.424+/-0.045	χ^2/NDF : 1865847.2/21
Left In: 229.758+/-0.106	χ^2/NDF : 45809.9/2		

asym_bcm_an_ds3_mean vs Slug



Right In: 73.870 $\pm$ 80.221 χ^2 /NDF: 7.7/16

Left Out: 72.772 $\pm$ 144.871 χ^2 /NDF: 0.1/3

Right Out: 2.039 $\pm$ 70.480 χ^2 /NDF: 7.4/18

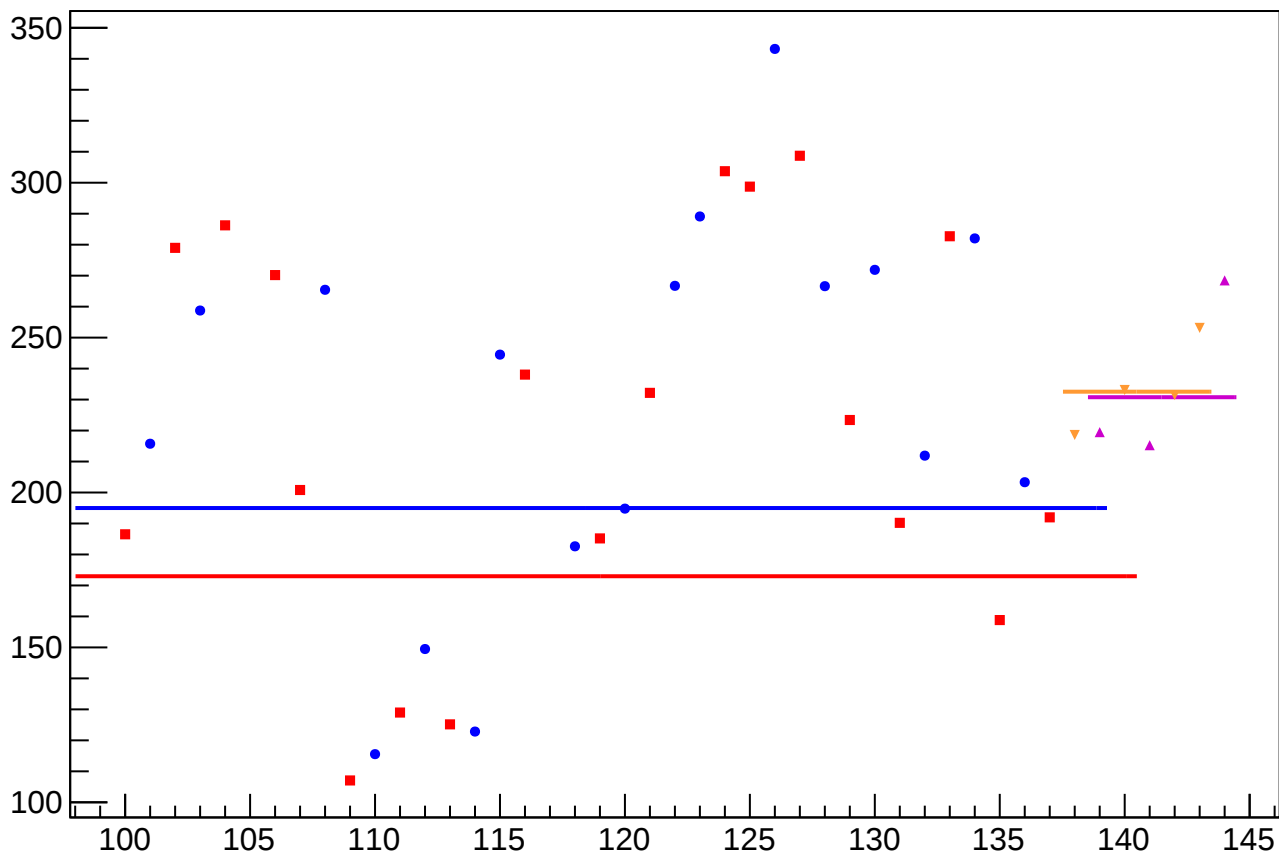
Left In: -248.547 $\pm$ 149.931 χ^2 /NDF: 0.7/2

+ sign 73.612 $\pm$ 70.179 χ^2 /NDF: 7.8/20

All: 9.580 $\pm$ 47.202 χ^2 /NDF: 19.7/42

- sign -43.313 $\pm$ 63.784 χ^2 /NDF: 10.4/21

asym_bcm_an_ds3_rms vs Slug



Right In: 194.991 $\pm$ 0.057 χ^2 /NDF: 1010319.8/16

Left Out: 232.545 $\pm$ 0.102 χ^2 /NDF:14752.5/3

Right Out: 172.973 $\pm$ 0.050 χ^2 /NDF: 1562363.3/18

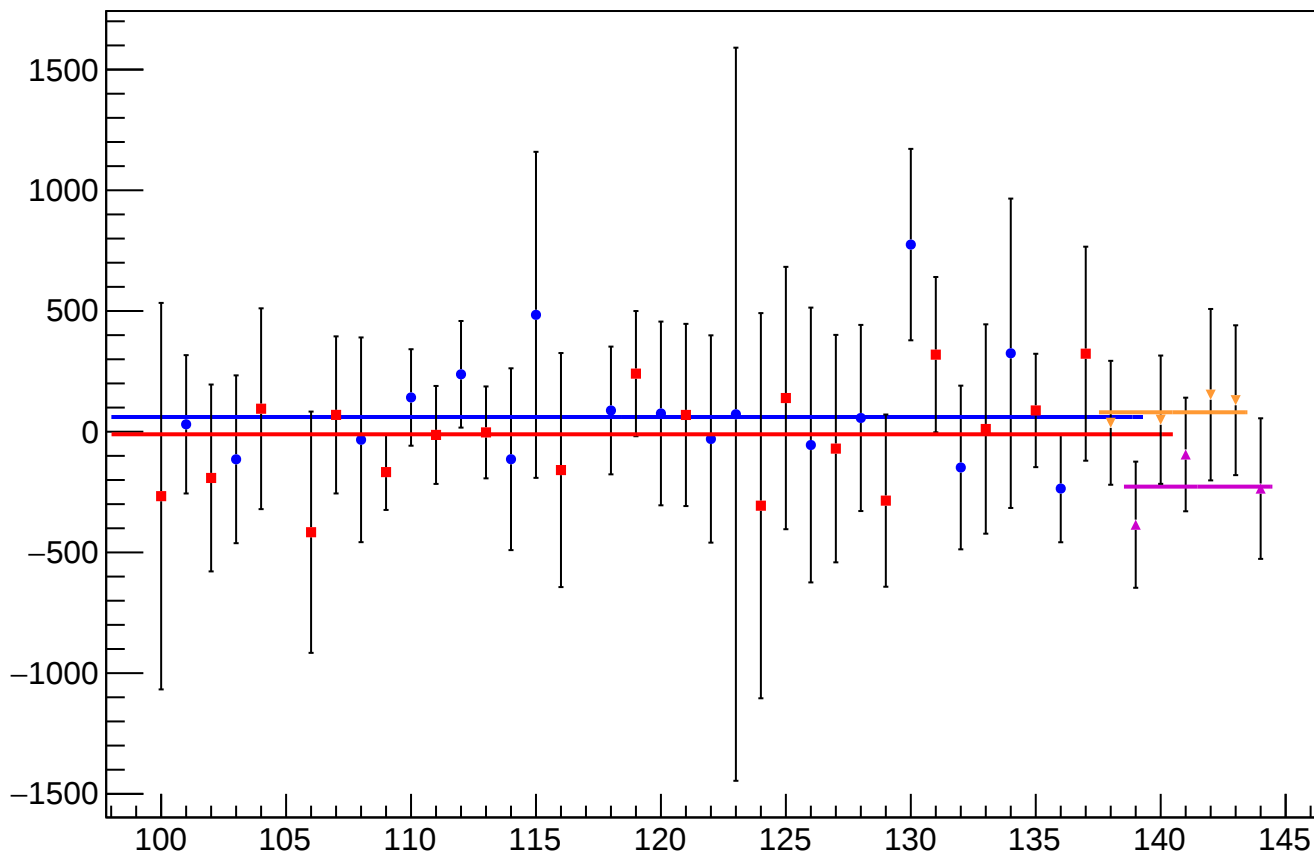
Left In: 230.761 $\pm$ 0.106 χ^2 /NDF:45921.3/2

+ sign 203.804 $\pm$ 0.050 χ^2 /NDF: 1127928.6/20

All: 192.648 $\pm$ 0.033 χ^2 /NDF: 3071846.3/42

- sign 183.432 $\pm$ 0.045 χ^2 /NDF: 1851622.7/21

asym_bcm_an_us_mean vs Slug



Right In: 60.929 $\pm$ 80.216 χ^2 /NDF: 7.4/16

Left Out: 80.518 $\pm$ 144.846 χ^2 /NDF:0.1/3

Right Out: -10.668 $\pm$ 70.402 χ^2 /NDF: 5.8/18

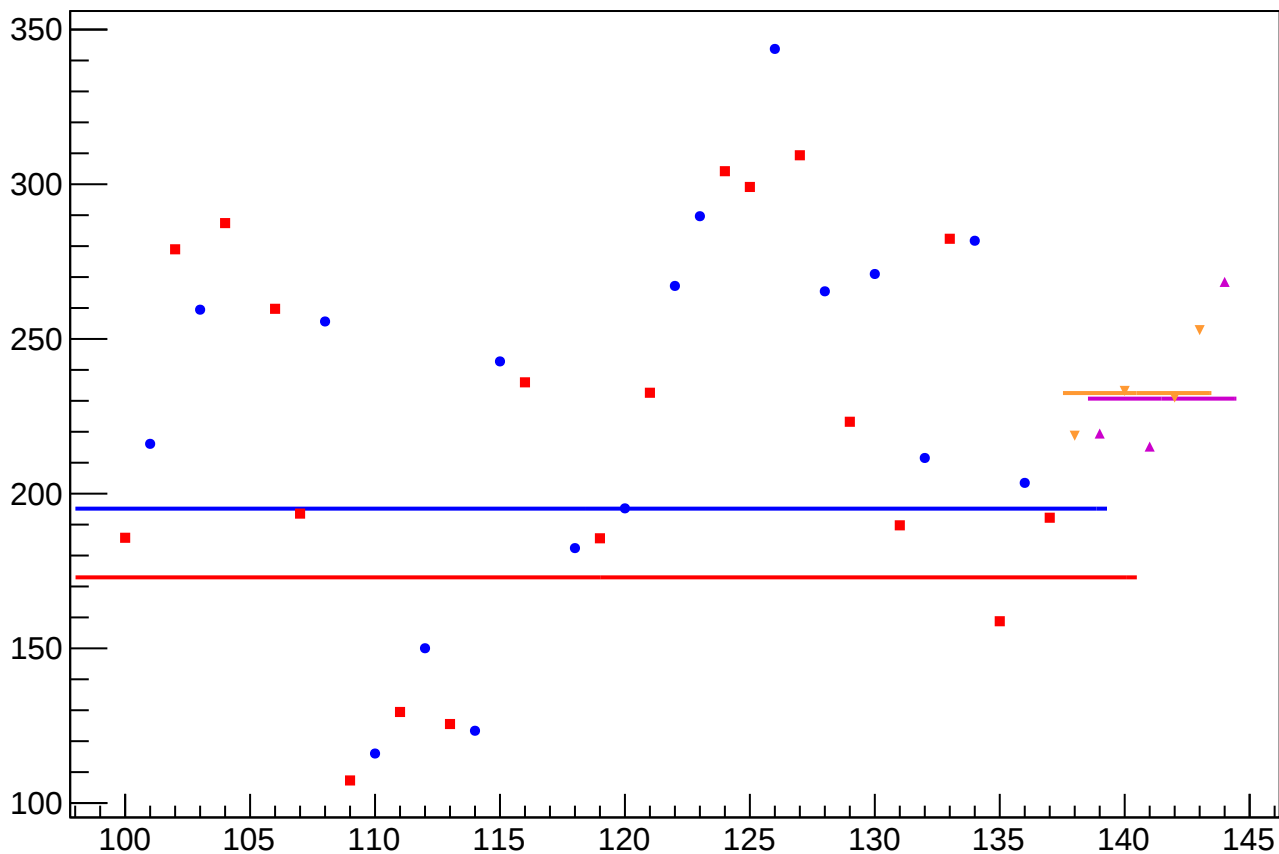
Left In: -227.477 $\pm$ 149.896 χ^2 /NDF:0.7/2

+ sign 65.526 $\pm$ 70.174 χ^2 /NDF: 7.5/20

All: 2.293 $\pm$ 47.175 χ^2 /NDF: 17.2/42

- sign -49.850 $\pm$ 63.723 χ^2 /NDF: 8.2/21

asym_bcm_an_us_rms vs Slug



Right In: 195.157+/-0.057 χ^2/NDF : 988306.7/16

Left Out: 232.514+/-0.102 χ^2/NDF :14406.4/3

Right Out: 172.948+/-0.050 χ^2/NDF : 1539308.8/18

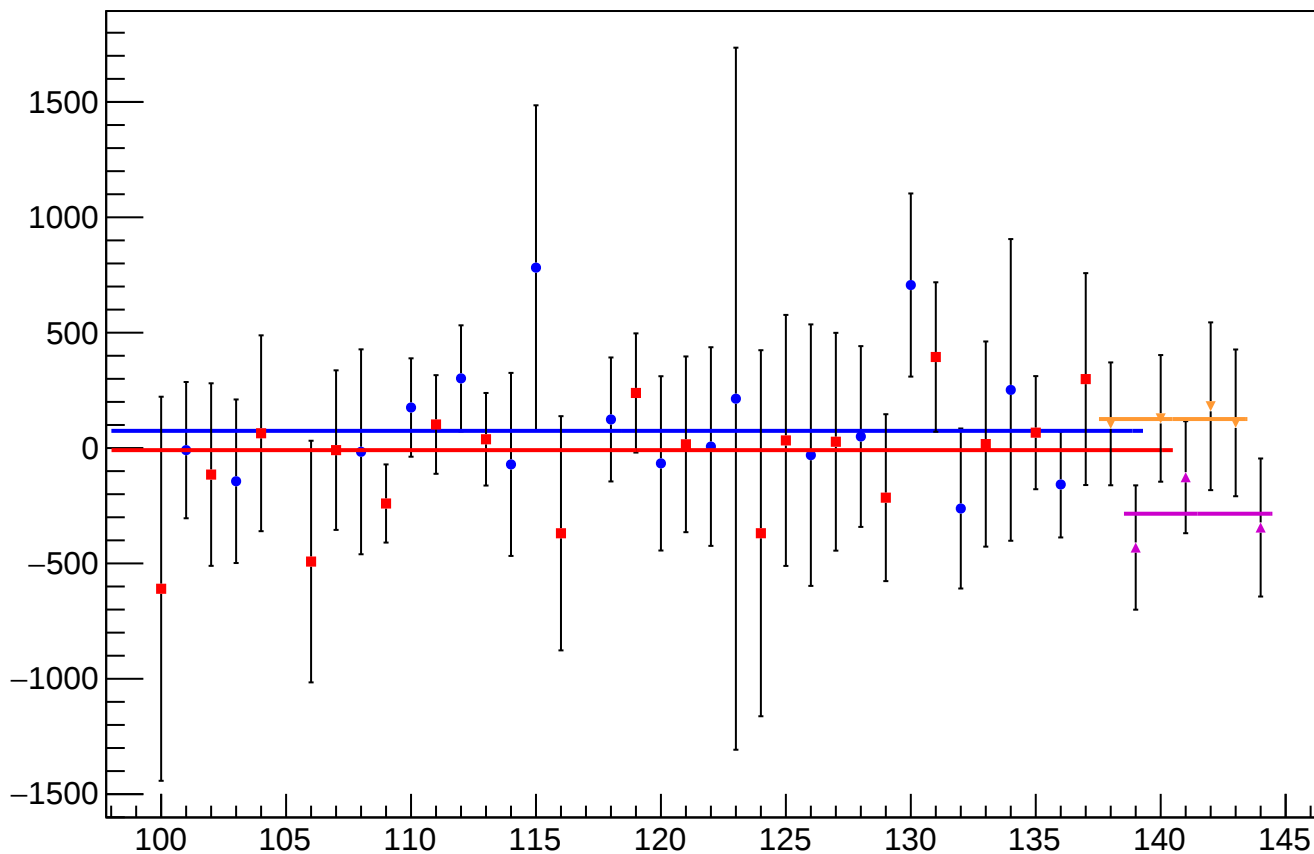
Left In: 230.710+/-0.106 χ^2/NDF :45977.1/2

+ sign 203.925+/-0.050 χ^2/NDF : 1104526.4/20

All: 192.669+/-0.033 χ^2/NDF : 3027024.5/42

- sign 183.387+/-0.045 χ^2/NDF : 1828604.0/21

asym_bcm_dg_us_mean vs Slug



Right In: 74.541+/-82.742 χ^2/NDF : 7.7/16

Left Out: 125.731+/-149.330 χ^2/NDF : 0.0/3

Right Out: -9.056+/-73.353 χ^2/NDF : 7.7/18

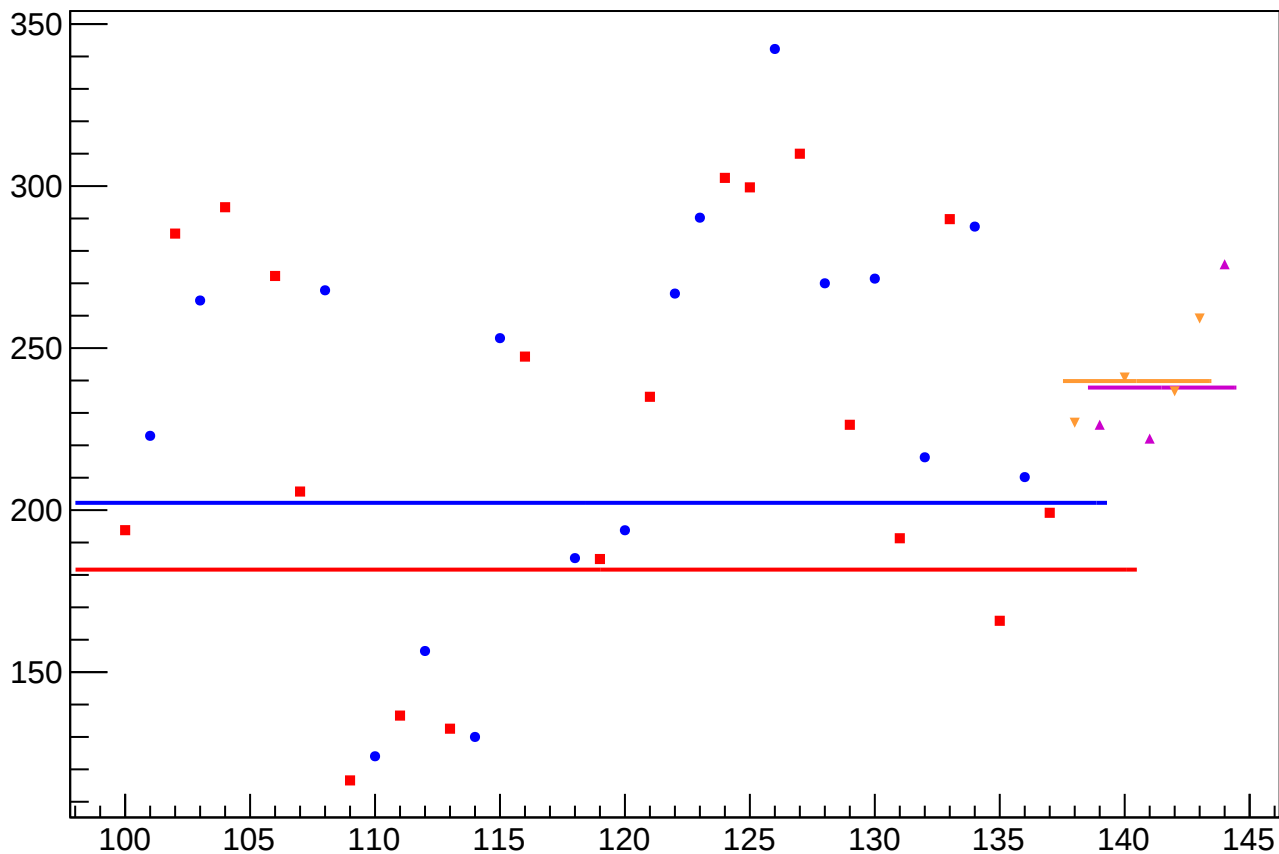
Left In: -284.610+/-154.441 χ^2/NDF : 0.8/2

+ sign 86.566+/-72.374 χ^2/NDF : 7.8/20

All: 6.953+/-48.872 χ^2/NDF : 21.1/42

- sign -59.775+/-66.259 χ^2/NDF : 11.1/21

asym_bcm_dg_us_rms vs Slug



Right In: 202.251 $\pm$ 0.059 χ^2 /NDF: 883731.1/16

Left Out: 239.829 $\pm$ 0.106 χ^2 /NDF:12220.7/3

Right Out: 181.640 $\pm$ 0.052 χ^2 /NDF: 1373481.9/18

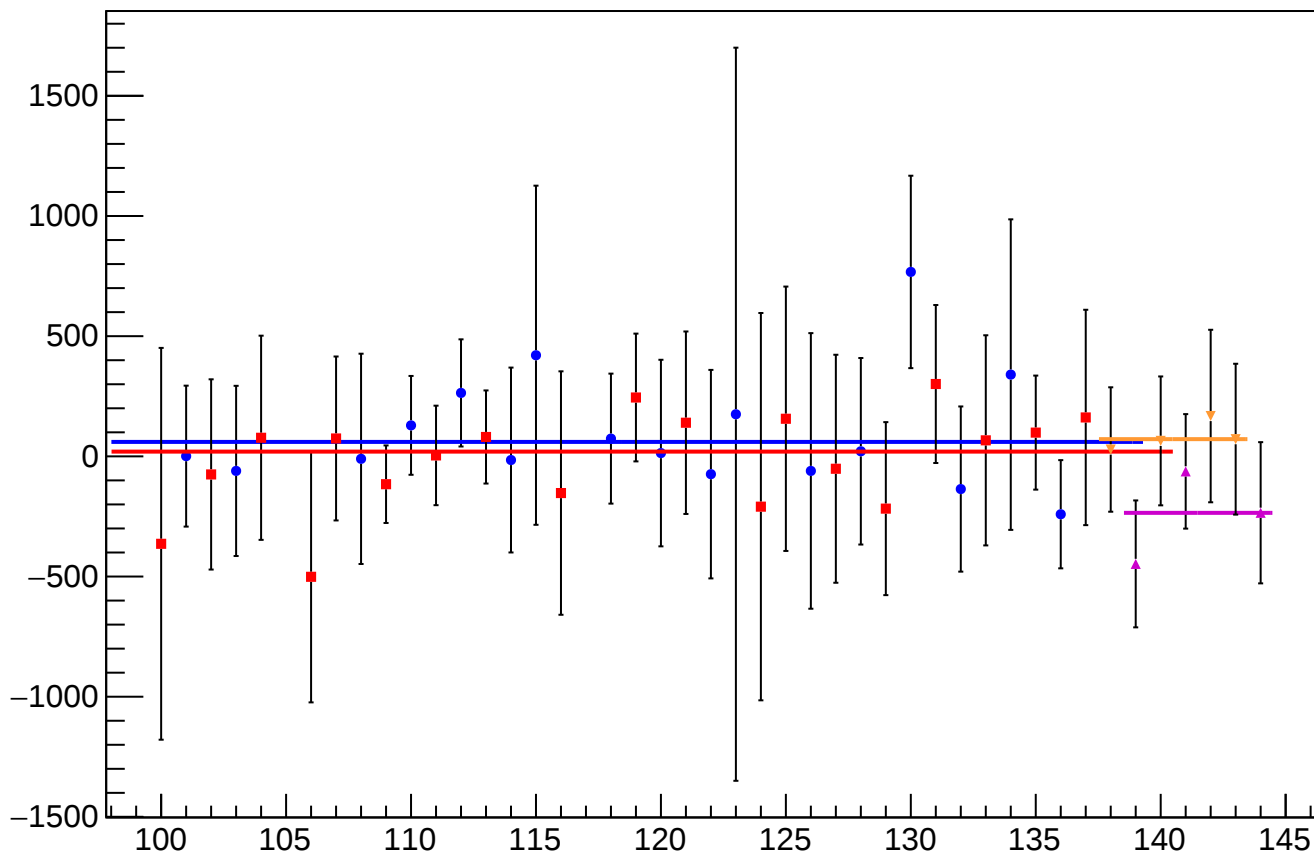
Left In: 237.822 $\pm$ 0.109 χ^2 /NDF:44402.7/2

+ sign 211.078 $\pm$ 0.051 χ^2 /NDF: 992852.8/20

All: 200.689 $\pm$ 0.035 χ^2 /NDF: 2702444.7/42

- sign 191.981 $\pm$ 0.047 χ^2 /NDF: 1633836.7/21

asym_bcm_dg_ds_mean vs Slug



Right In: 60.119+/-81.659 χ^2/NDF : 7.0/16

Left Out: 71.620+/-146.241 χ^2/NDF : 0.1/3

Right Out: 19.746+/-71.914 χ^2/NDF : 4.6/18

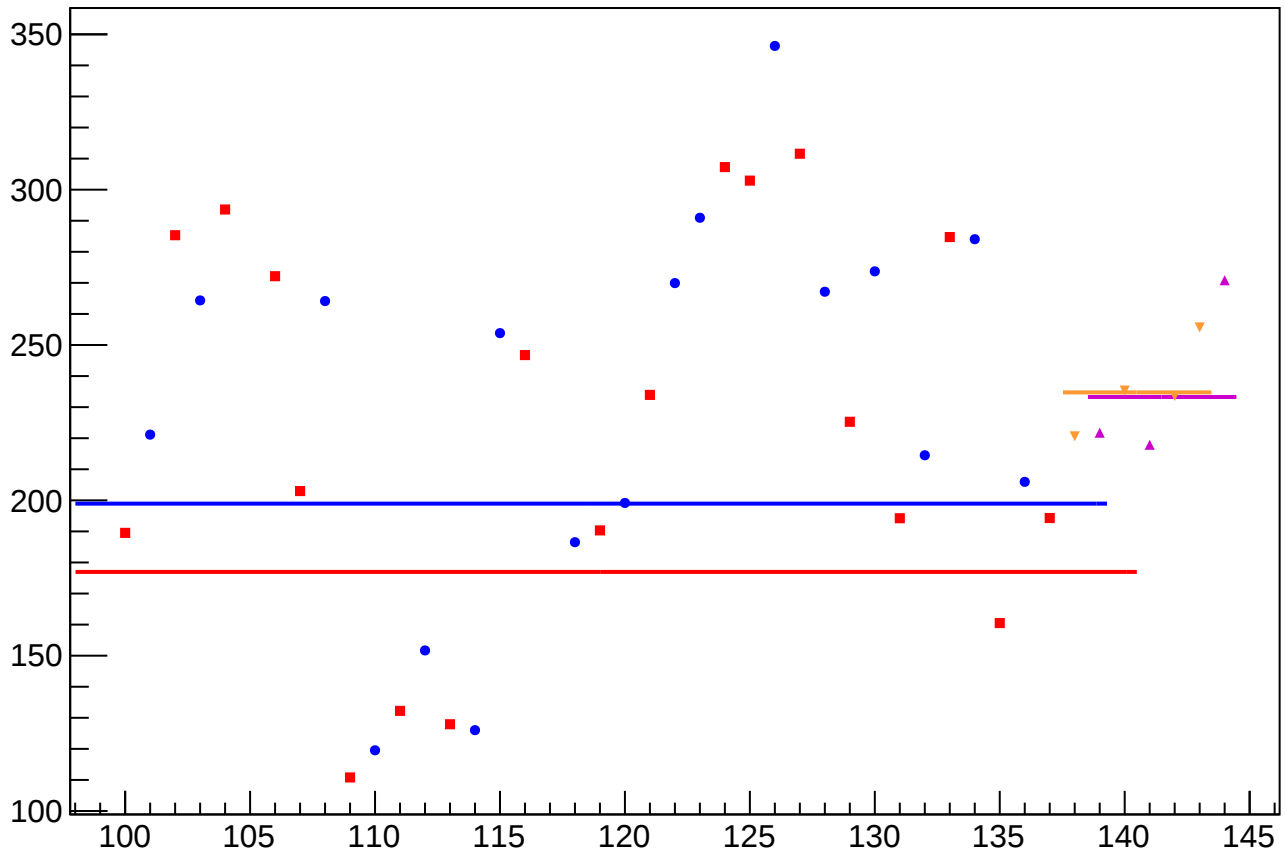
Left In: -235.036+/-151.520 χ^2/NDF : 1.2/2

+ sign 62.852+/-71.297 χ^2/NDF : 7.1/20

All: 13.710+/-48.021 χ^2/NDF : 16.1/42

- sign -27.094+/-64.968 χ^2/NDF : 8.1/21

asym_bcm_dg_ds_rms vs Slug



Right In: 198.943 $\pm$ 0.058 χ^2 /NDF: 965773.2/16

Left Out: 234.750 $\pm$ 0.103 χ^2 /NDF:14880.1/3

Right Out: 176.962 $\pm$ 0.051 χ^2 /NDF: 1519544.5/18

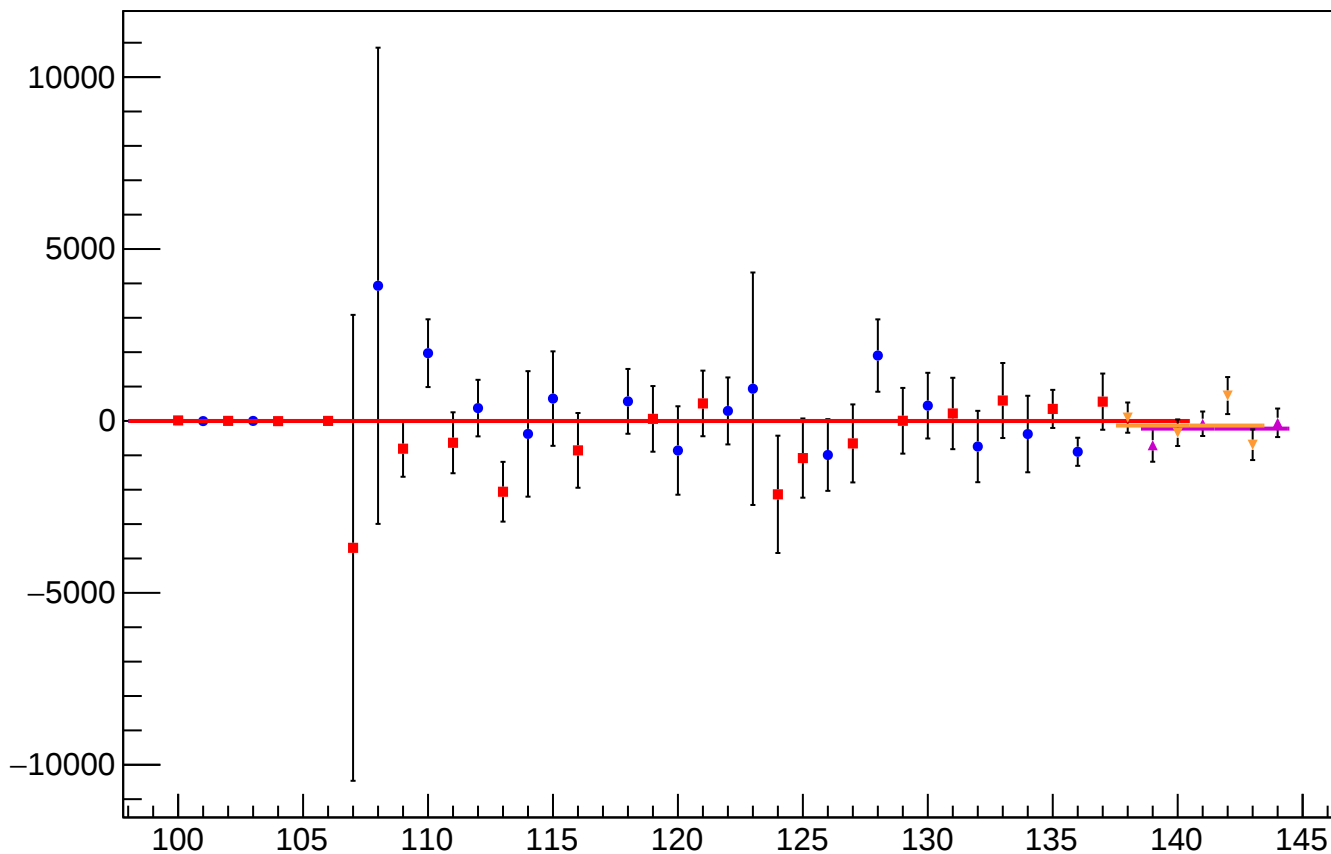
Left In: 233.261 $\pm$ 0.107 χ^2 /NDF:44849.5/2

+ sign 207.453 $\pm$ 0.050 χ^2 /NDF: 1072060.2/20

All: 196.449 $\pm$ 0.034 χ^2 /NDF: 2949017.4/42

- sign 187.312 $\pm$ 0.046 χ^2 /NDF: 1789752.5/21

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.9/16

Left Out: -134.255 ± 221.650 χ^2/NDF : 4.8/3

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.2/18

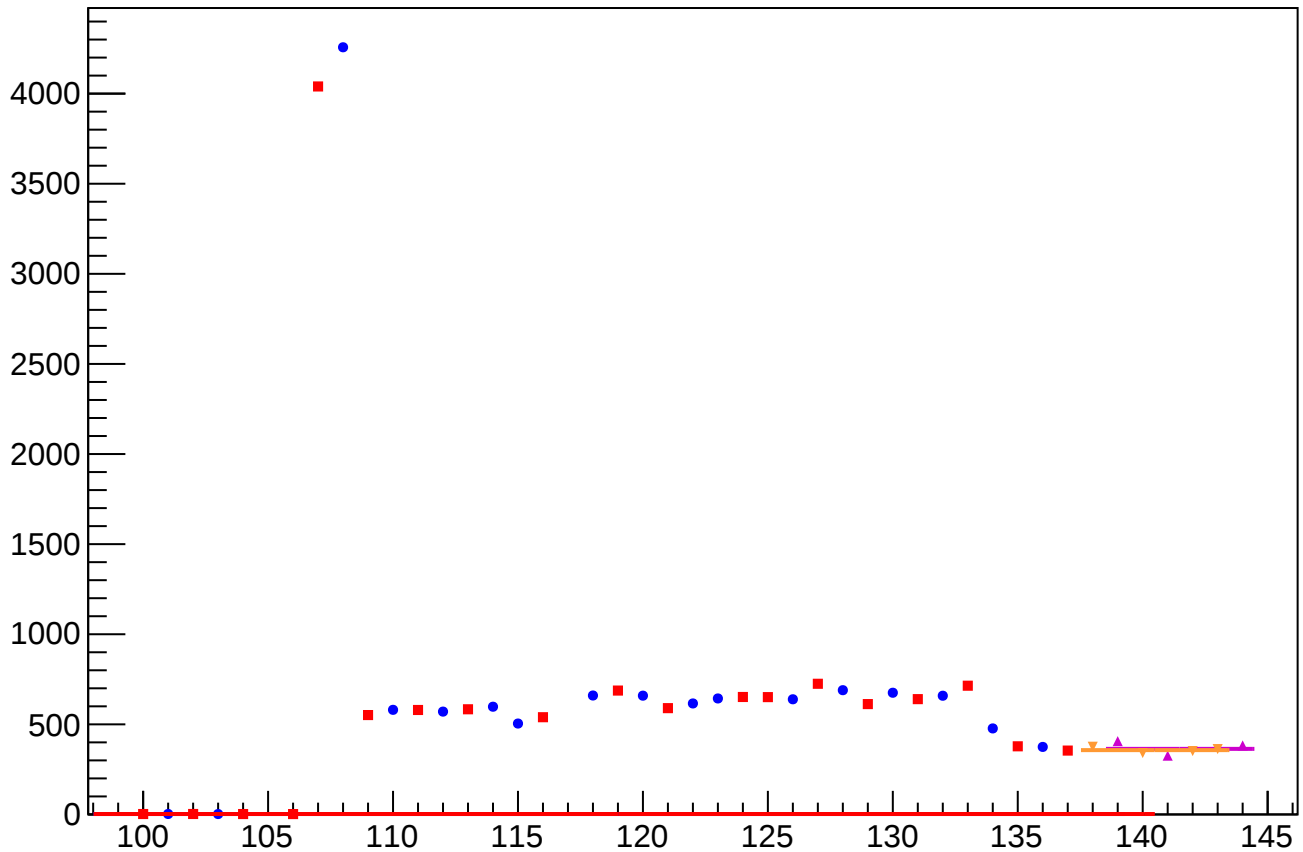
Left In: -223.112 ± 235.472 χ^2/NDF : 1.3/2

+ sign -1.542 ± 2.251 χ^2/NDF : 22.0/20

All: -1.120 ± 1.540 χ^2/NDF : 42.5/42

- sign -0.749 ± 2.111 χ^2/NDF : 20.4/21

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10667142.2/16

Left Out: 356.975+/-0.157 χ^2/NDF : 7617.8/3

Right Out: 2.436+/-0.001 χ^2/NDF : 11094072.3/18

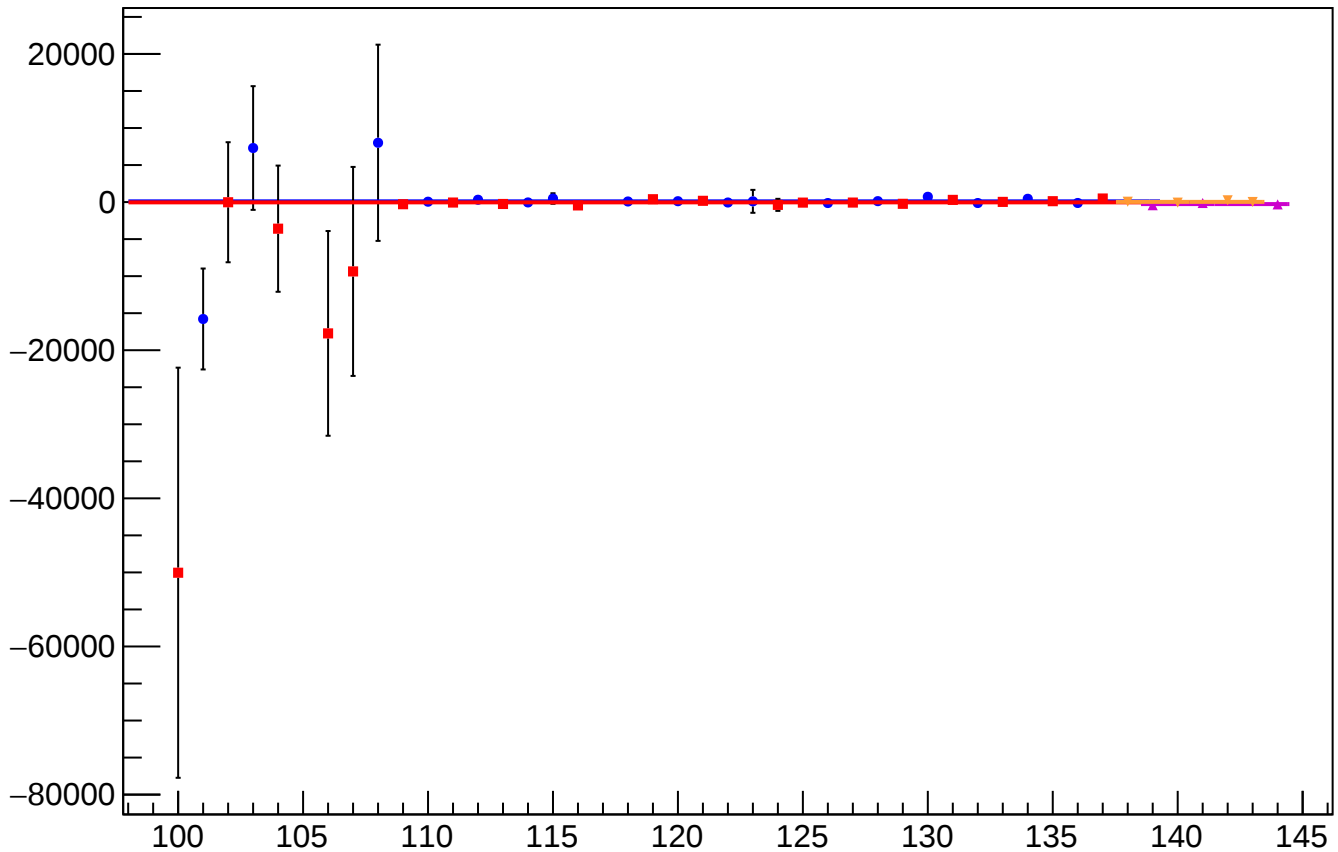
Left In: 363.950+/-0.167 χ^2/NDF : 42498.4/2

+ sign 2.492+/-0.002 χ^2/NDF : 15790738.2/20

All: 2.478+/-0.001 χ^2/NDF : 31641186.8/42

- sign 2.466+/-0.001 χ^2/NDF : 15850296.7/21

asym_cav4cQ_mean vs Slug



Right In: 99.358+/-92.026 χ^2/NDF : 12.0/16

Left Out: 28.319+/-151.206 χ^2/NDF : 0.4/3

Right Out: -38.144+/-84.576 χ^2/NDF : 14.1/18

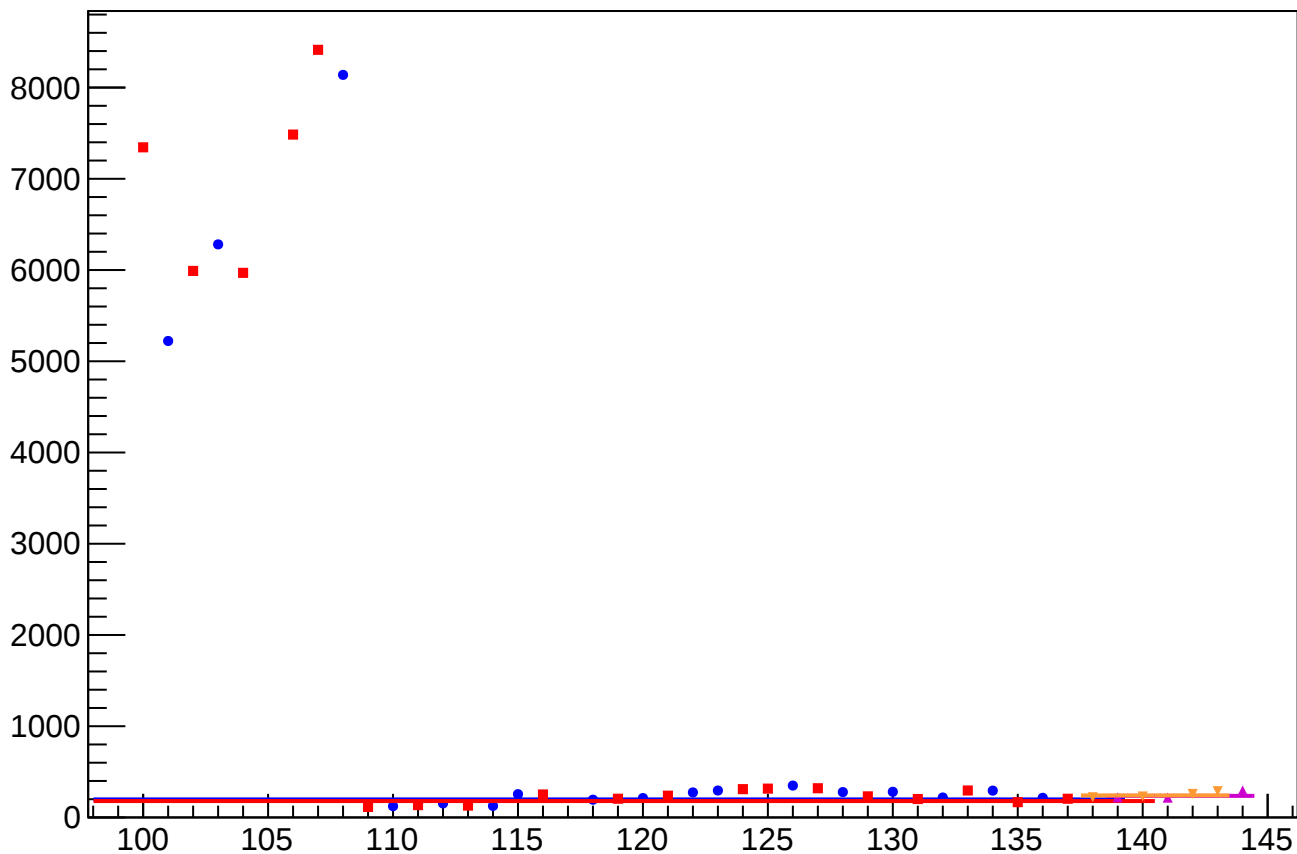
Left In: -269.749+/-154.618 χ^2/NDF : 0.7/2

+ sign 80.156+/-78.612 χ^2/NDF : 12.6/20

All: -10.614+/-53.960 χ^2/NDF : 31.7/42

- sign -91.483+/-74.201 χ^2/NDF : 16.6/21

asym_cav4cQ_rms vs Slug



Right In: 197.646+/-0.065 χ^2/NDF : 3699445.6/16

Left Out: 241.486+/-0.107 χ^2/NDF : 53671.5/3

Right Out: 179.782+/-0.060 χ^2/NDF : 4315815.4/18

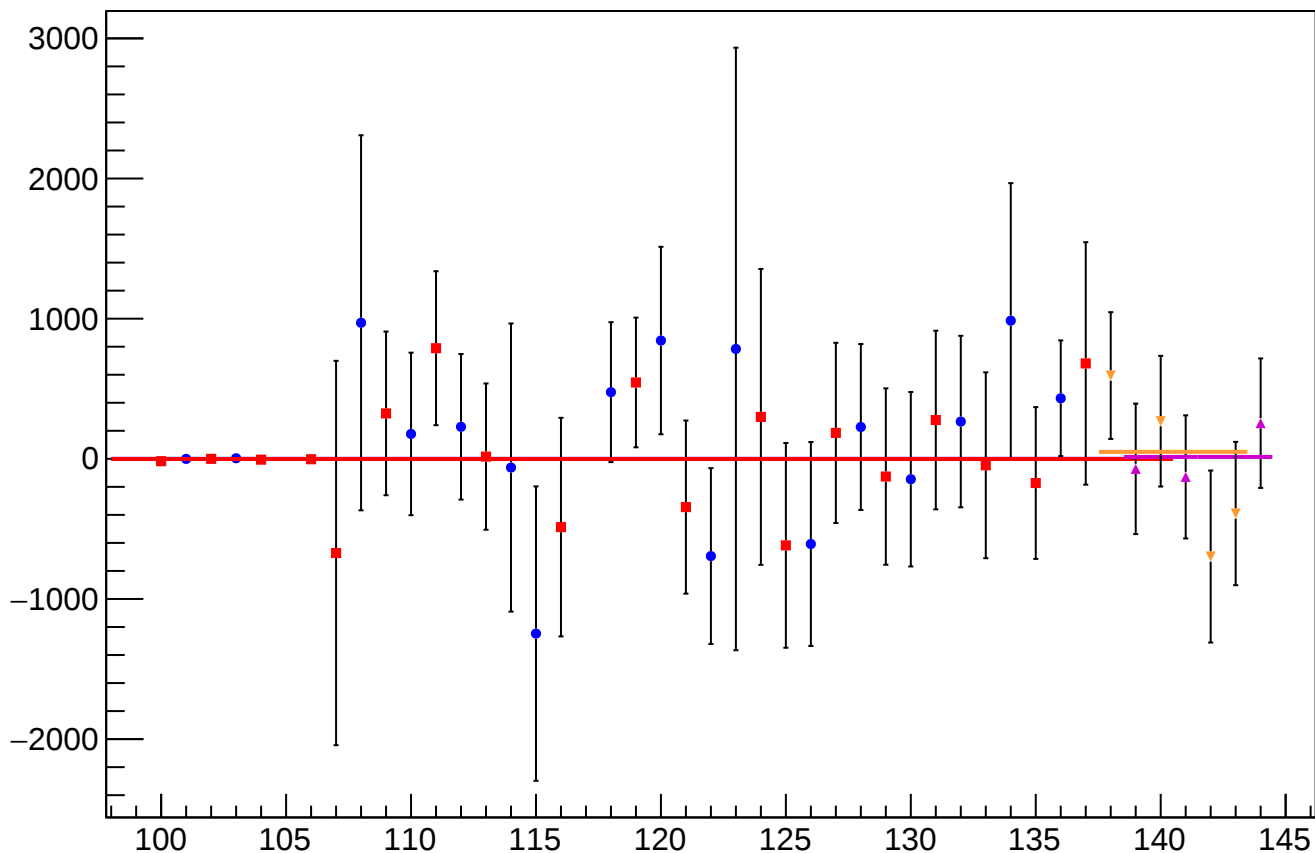
Left In: 236.575+/-0.109 χ^2/NDF : 88545.4/2

+ sign 209.496+/-0.056 χ^2/NDF : 3875802.5/20

All: 200.699+/-0.038 χ^2/NDF : 8535213.8/42

- sign 192.861+/-0.052 χ^2/NDF : 4612052.8/21

asym_cav4dQ_mean vs Slug



Right In: -0.141 ± 1.737 χ^2/NDF : 10.1/16

Left Out: 49.717 ± 250.254 χ^2/NDF : 3.9/3

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.3/18

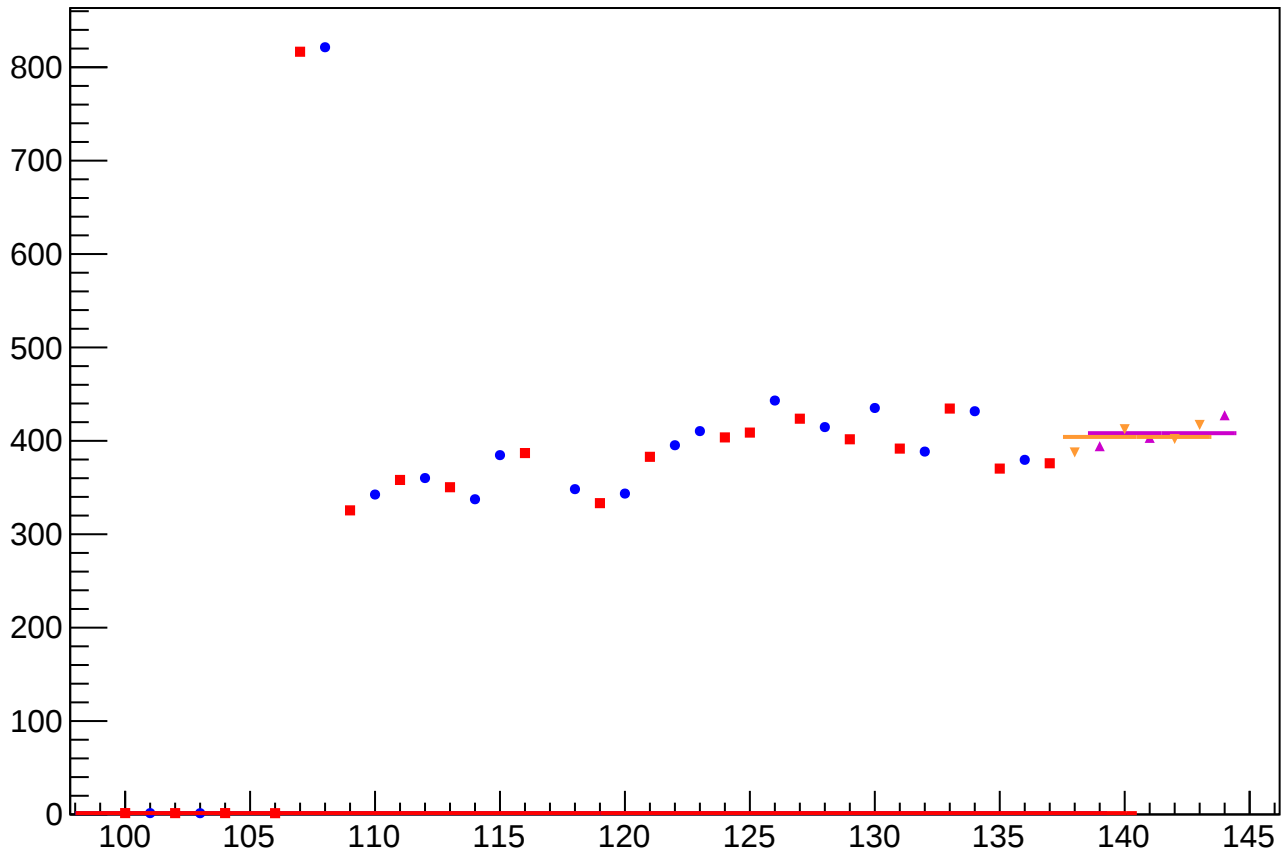
Left In: 13.385 ± 262.728 χ^2/NDF : 0.4/2

+ sign -0.138 ± 1.737 χ^2/NDF : 14.0/20

All: -0.770 ± 1.186 χ^2/NDF : 24.0/42

- sign -1.322 ± 1.623 χ^2/NDF : 9.7/21

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10771707.1/16

Left Out: 404.195+/-0.177 χ^2/NDF : 4613.3/3

Right Out: 1.451+/-0.001 χ^2/NDF : 10831648.9/18

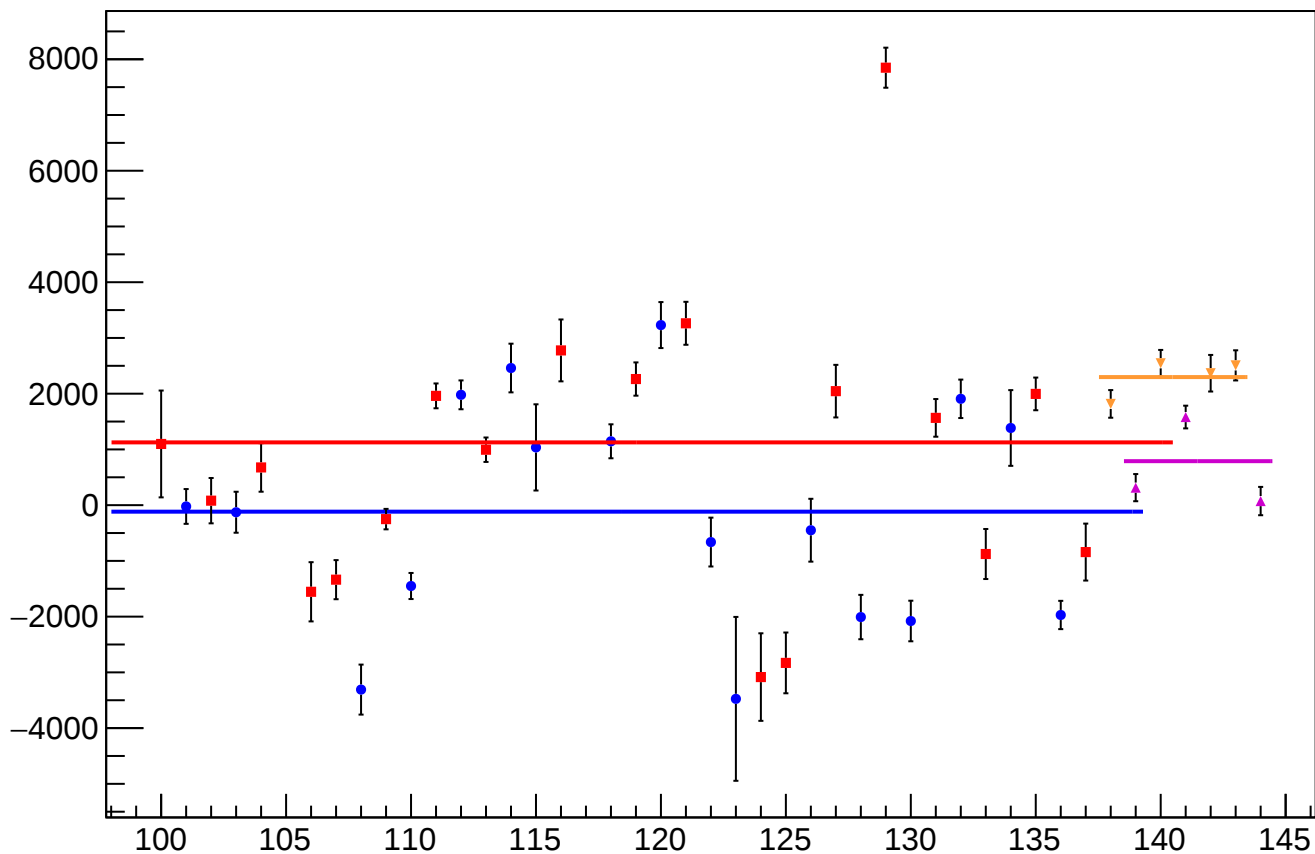
Left In: 408.202+/-0.186 χ^2/NDF : 5504.6/2

+ sign 1.471+/-0.001 χ^2/NDF : 15955975.3/20

All: 1.469+/-0.001 χ^2/NDF : 31586704.3/42

- sign 1.466+/-0.001 χ^2/NDF : 15630720.3/21

asym_bcm0l02_mean vs Slug



Right In: -116.817 ± 88.319 χ^2/NDF : 420.4/16

Left Out: 2297.859 ± 132.902 χ^2/NDF : 5.5/3

Right Out: 1126.157 ± 78.463 χ^2/NDF : 687.7/18

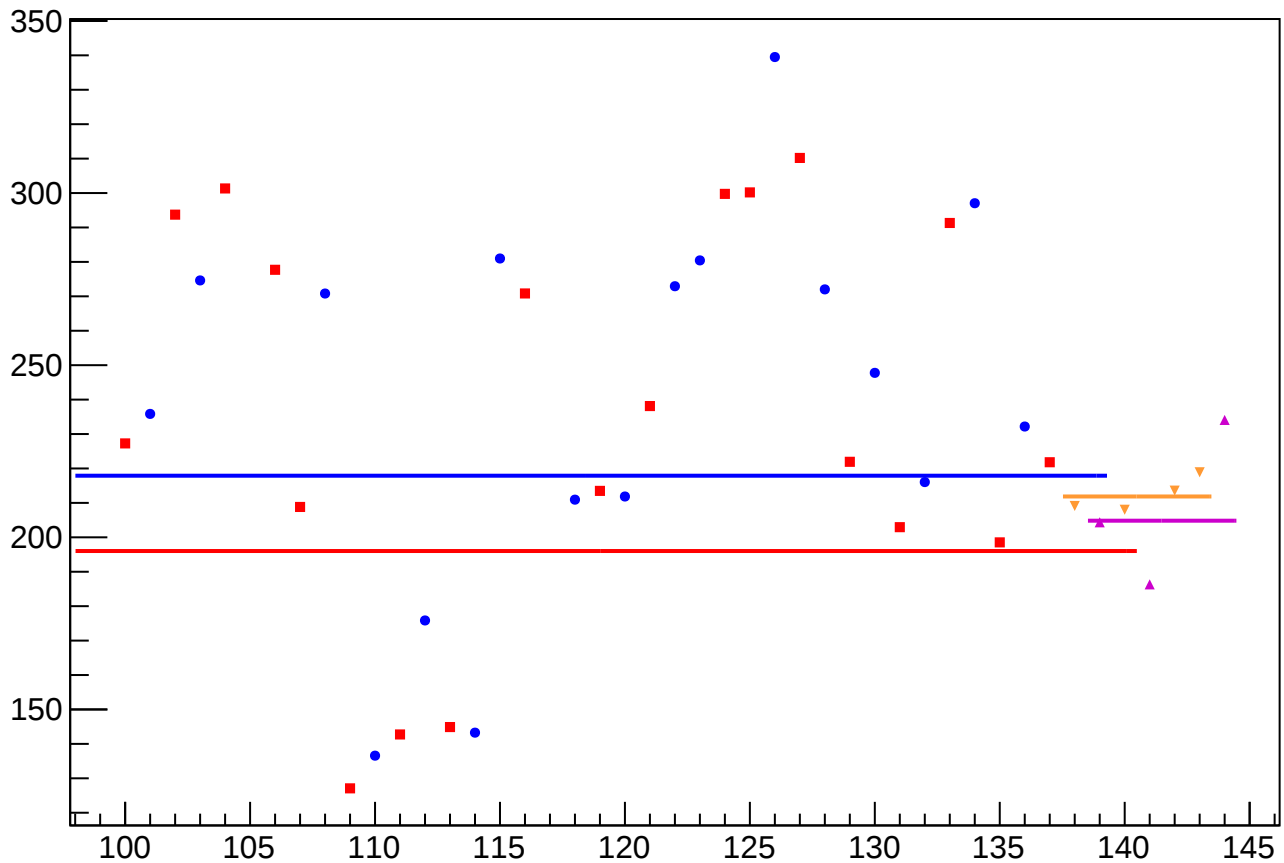
Left In: 789.243 ± 133.111 χ^2/NDF : 26.9/2

+ sign 622.877 ± 73.558 χ^2/NDF : 654.9/20

All: 848.642 ± 49.771 χ^2/NDF : 1391.6/42

- sign 1039.280 ± 67.594 χ^2/NDF : 719.3/21

asym_bcm0l02_rms vs Slug



Right In: 217.896 ± 0.062 χ^2/NDF : 661999.5/16

Left Out: 211.862 ± 0.094 χ^2/NDF : 2168.5/3

Right Out: 196.020 ± 0.055 χ^2/NDF : 1189250.9/18

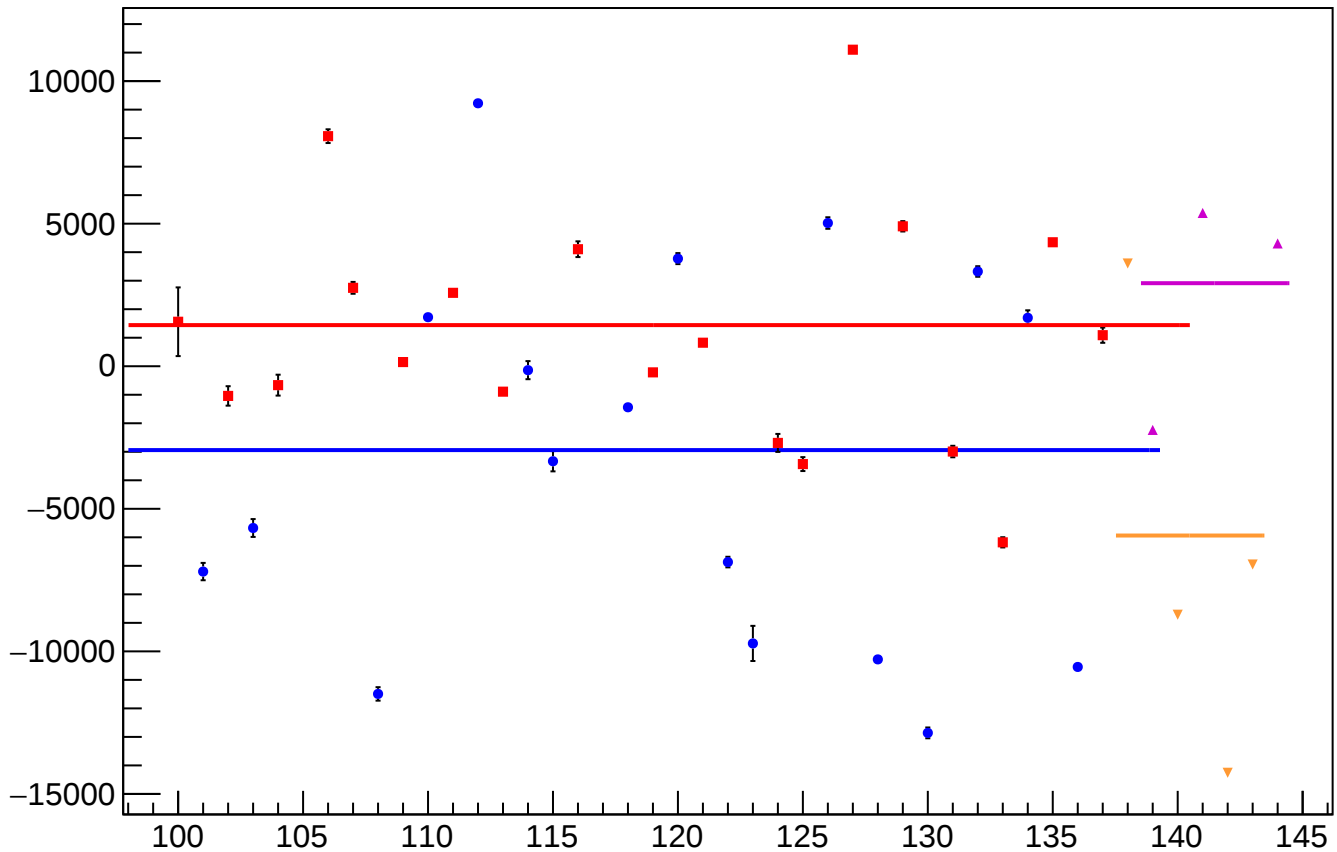
Left In: 204.827 ± 0.094 χ^2/NDF : 43046.1/2

+ sign 216.047 ± 0.052 χ^2/NDF : 667028.0/20

All: 206.420 ± 0.035 χ^2/NDF : 1969007.5/42

- sign 198.291 ± 0.048 χ^2/NDF : 1238793.7/21

asym_bpm2i01WS_mean vs Slug



Right In: -2940.841 ± 48.696 χ^2/NDF : 20909.3/16

Left Out: -5937.113 ± 71.100 χ^2/NDF : 7375.2/3

Right Out: 1442.426 ± 46.381 χ^2/NDF : 8011.4/18

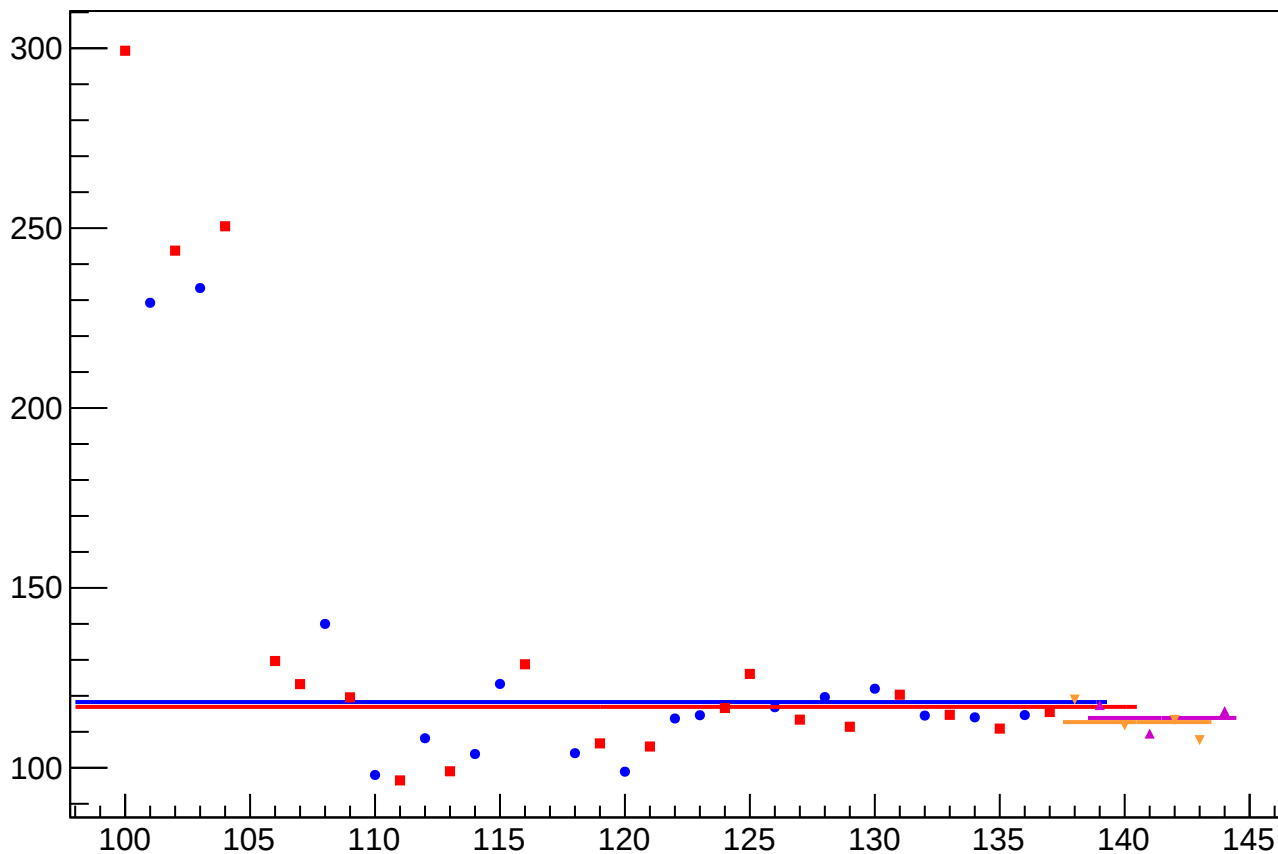
Left In: 2912.784 ± 74.516 χ^2/NDF : 1848.5/2

+ sign -3897.564 ± 40.177 χ^2/NDF : 29493.4/20

All: -964.450 ± 28.122 χ^2/NDF : 50083.3/42

- sign 1853.007 ± 39.377 χ^2/NDF : 10140.5/21

asym_bpm2i01WS_rms vs Slug



Right In: 118.278+/-0.034 χ^2/NDF : 637027.4/16

Left Out: 112.705+/-0.050 χ^2/NDF : 6945.4/3

Right Out: 116.929+/-0.033 χ^2/NDF : 689591.4/18

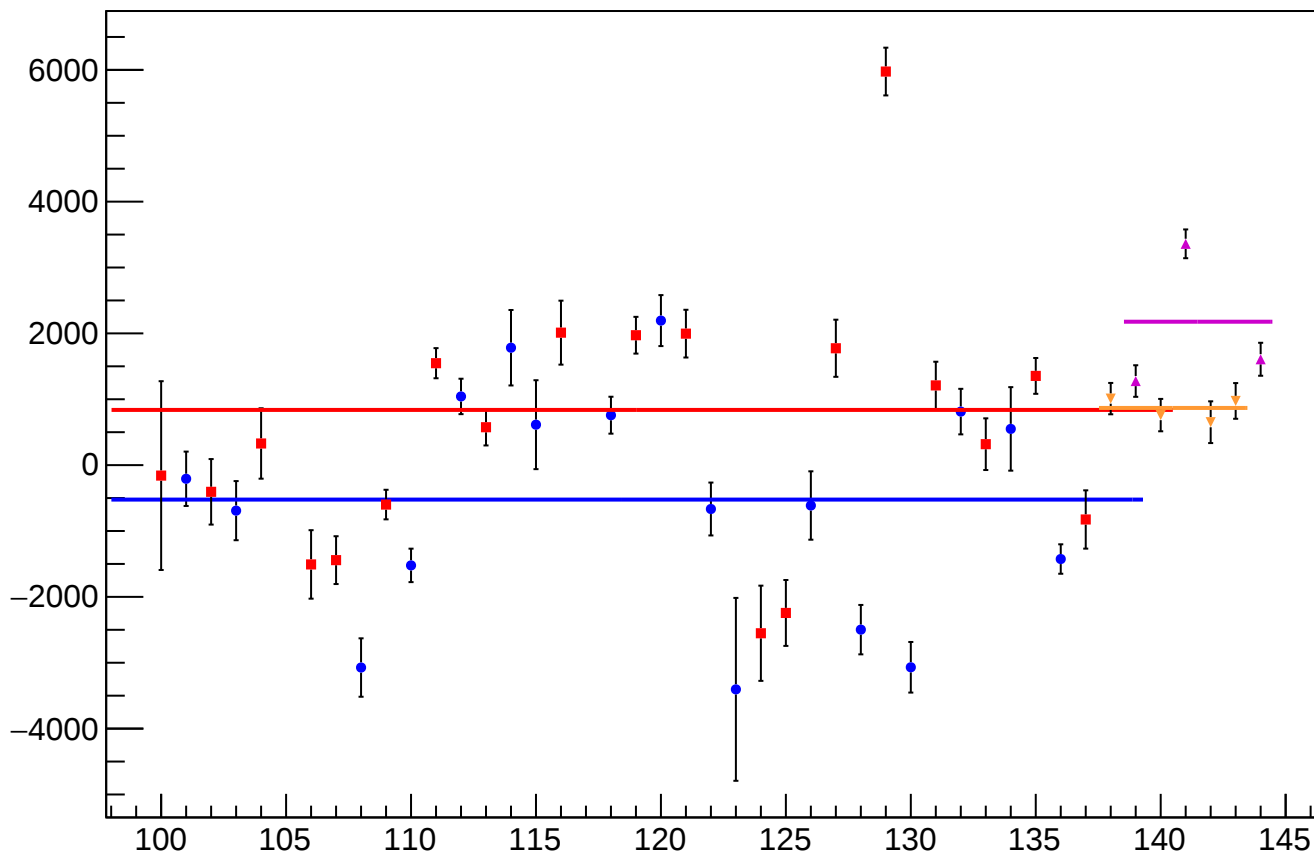
Left In: 113.856+/-0.053 χ^2/NDF : 4306.2/2

+ sign 116.499+/-0.028 χ^2/NDF : 652338.6/20

All: 116.281+/-0.020 χ^2/NDF : 1348803.4/42

- sign 116.071+/-0.028 χ^2/NDF : 696349.4/21

asym_bpm0i07WS_mean vs Slug



Right In: -523.148 ± 89.404 χ^2/NDF : 282.6/16

Left Out: 868.015 ± 131.575 χ^2/NDF : 1.2/3

Right Out: 837.989 ± 82.263 χ^2/NDF : 437.6/18

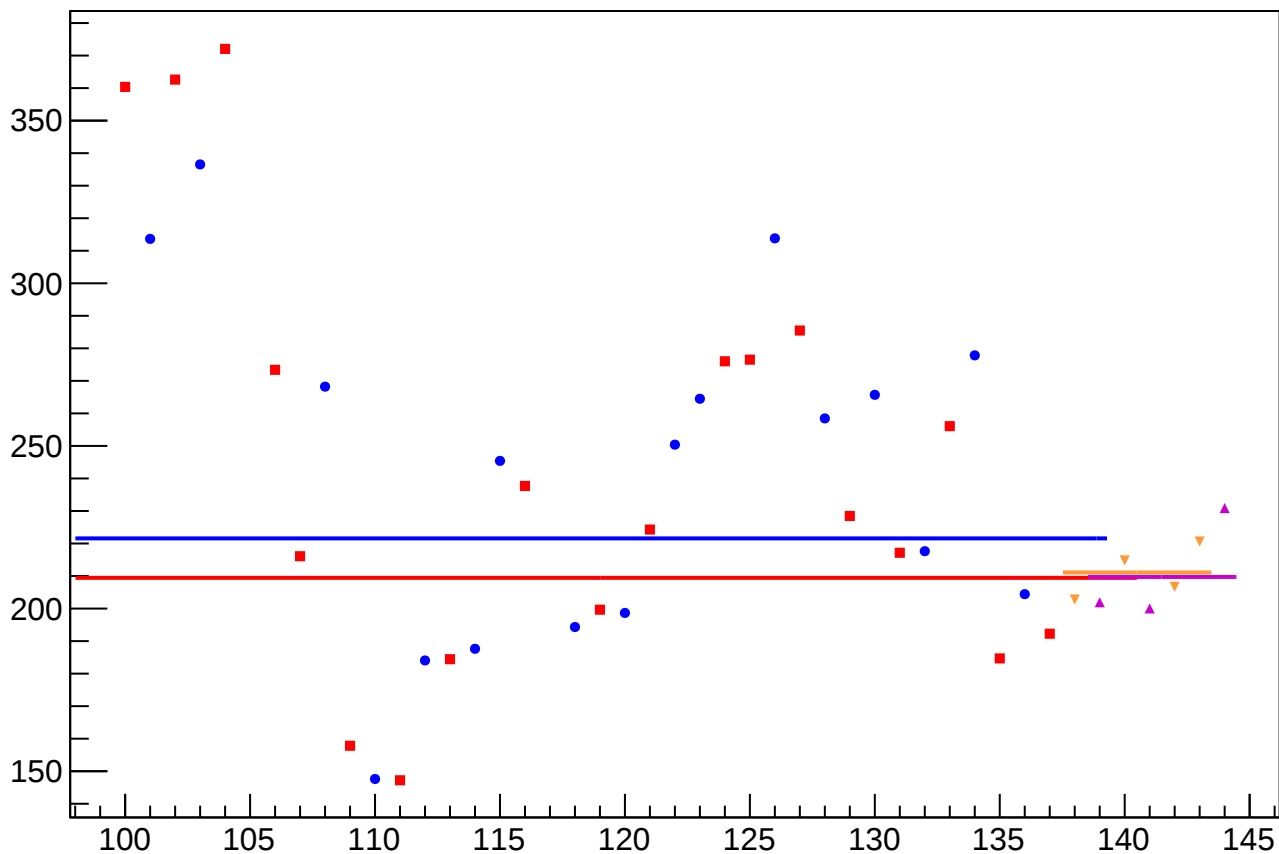
Left In: 2177.068 ± 135.683 χ^2/NDF : 48.6/2

+ sign -83.723 ± 73.948 χ^2/NDF : 360.3/20

All: 589.085 ± 50.967 χ^2/NDF : 1075.4/42

- sign 1197.910 ± 70.344 χ^2/NDF : 557.5/21

asym_bpm0i07WS_rms vs Slug



Right In: 221.577+/-0.063 χ^2/NDF : 645771.3/16

Left Out: 211.105+/-0.093 χ^2/NDF : 5745.0/3

Right Out: 209.447+/-0.058 χ^2/NDF : 879299.7/18

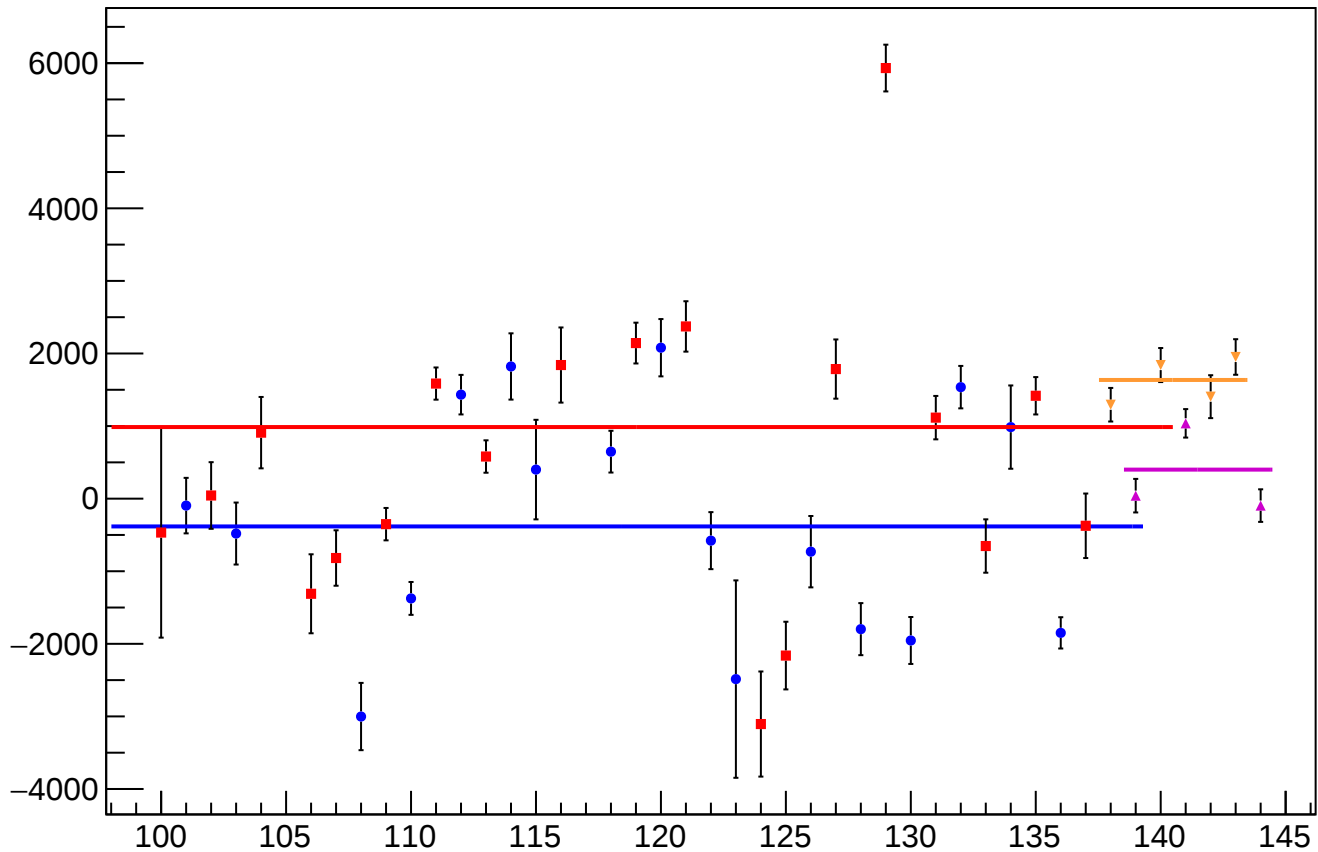
Left In: 209.721+/-0.096 χ^2/NDF : 20349.1/2

+ sign 218.269+/-0.052 χ^2/NDF : 660184.5/20

All: 213.677+/-0.036 χ^2/NDF : 1574534.6/42

- sign 209.521+/-0.050 χ^2/NDF : 899654.7/21

asym_bpm0l01WS_mean vs Slug



Right In: -382.695 ± 84.465 χ^2/NDF : 309.9/16

Left Out: 1635.283 ± 124.063 χ^2/NDF : 5.2/3

Right Out: 986.495 ± 77.694 χ^2/NDF : 476.9/18

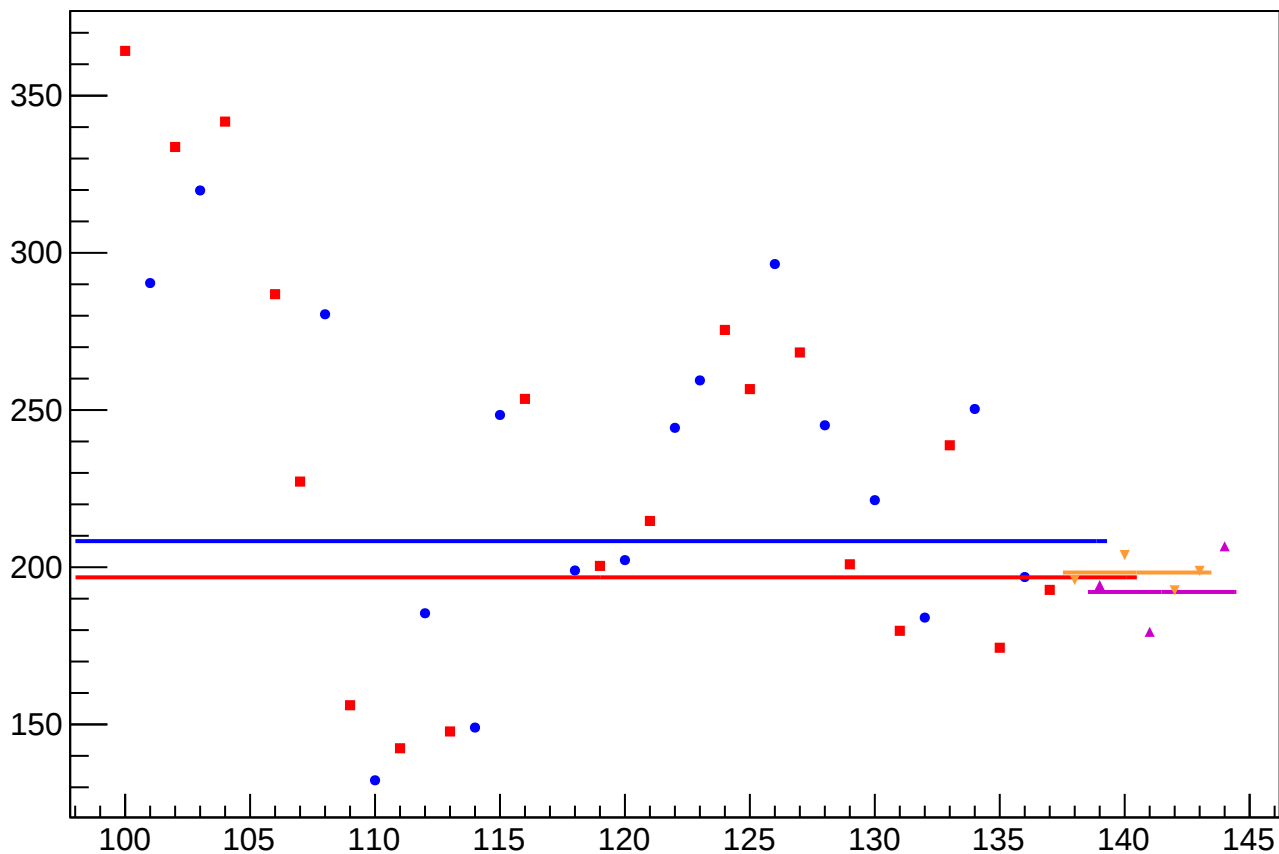
Left In: 400.058 ± 124.454 χ^2/NDF : 17.9/2

+ sign 256.438 ± 69.820 χ^2/NDF : 495.9/20

All: 555.535 ± 47.926 χ^2/NDF : 1041.3/42

- sign 822.038 ± 65.906 χ^2/NDF : 510.7/21

asym_bpm0l01WS_rms vs Slug



Right In: 208.304 $\pm$ 0.060 χ^2 /NDF: 698771.8/16

Left Out: 198.319 $\pm$ 0.088 χ^2 /NDF: 2081.6/3

Right Out: 196.782 $\pm$ 0.055 χ^2 /NDF: 925153.1/18

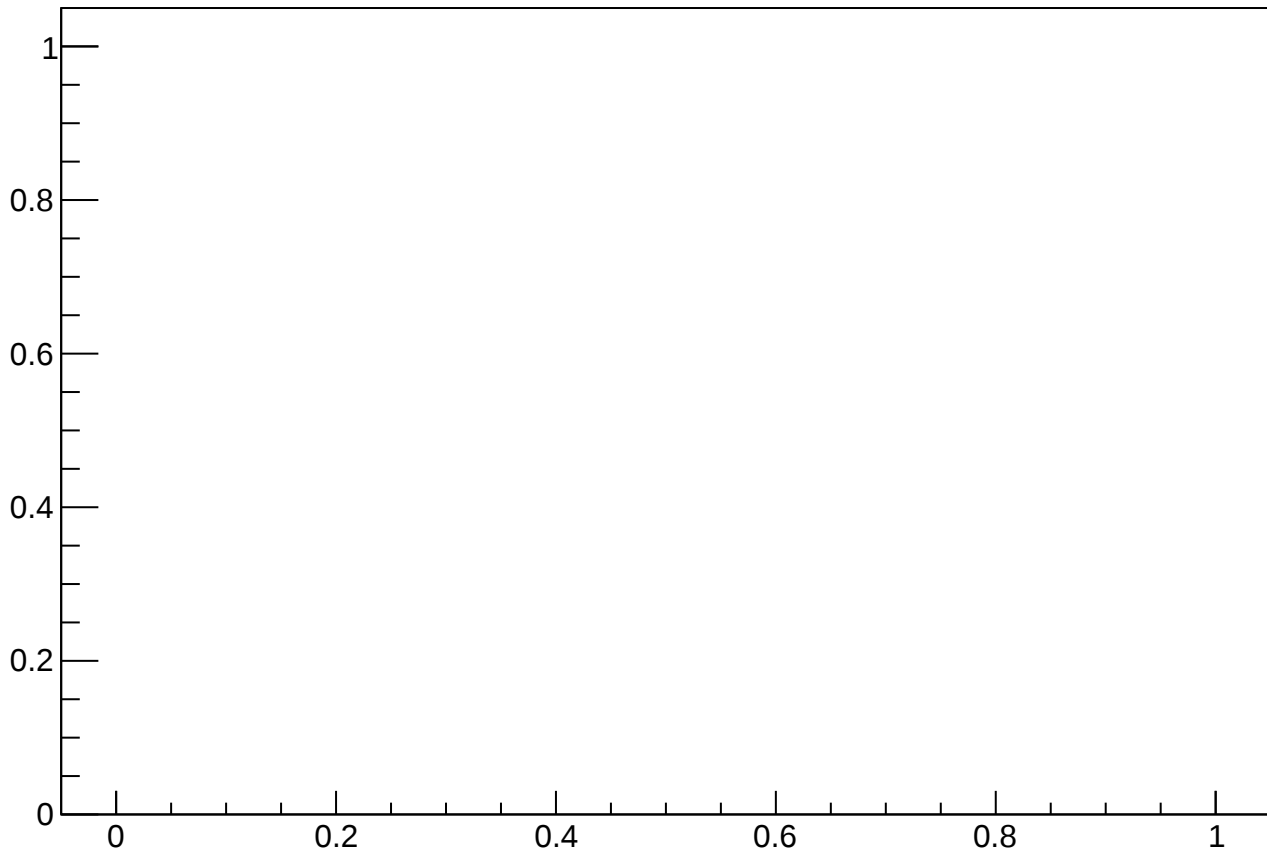
Left In: 192.131 $\pm$ 0.088 χ^2 /NDF: 16913.1/2

+ sign 205.142 $\pm$ 0.049 χ^2 /NDF: 709704.4/20

All: 200.031 $\pm$ 0.034 χ^2 /NDF: 1674042.4/42

- sign 195.477 $\pm$ 0.047 χ^2 /NDF: 944075.7/21

bcm_an_us_ds_dd_mean vs Slug



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

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

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

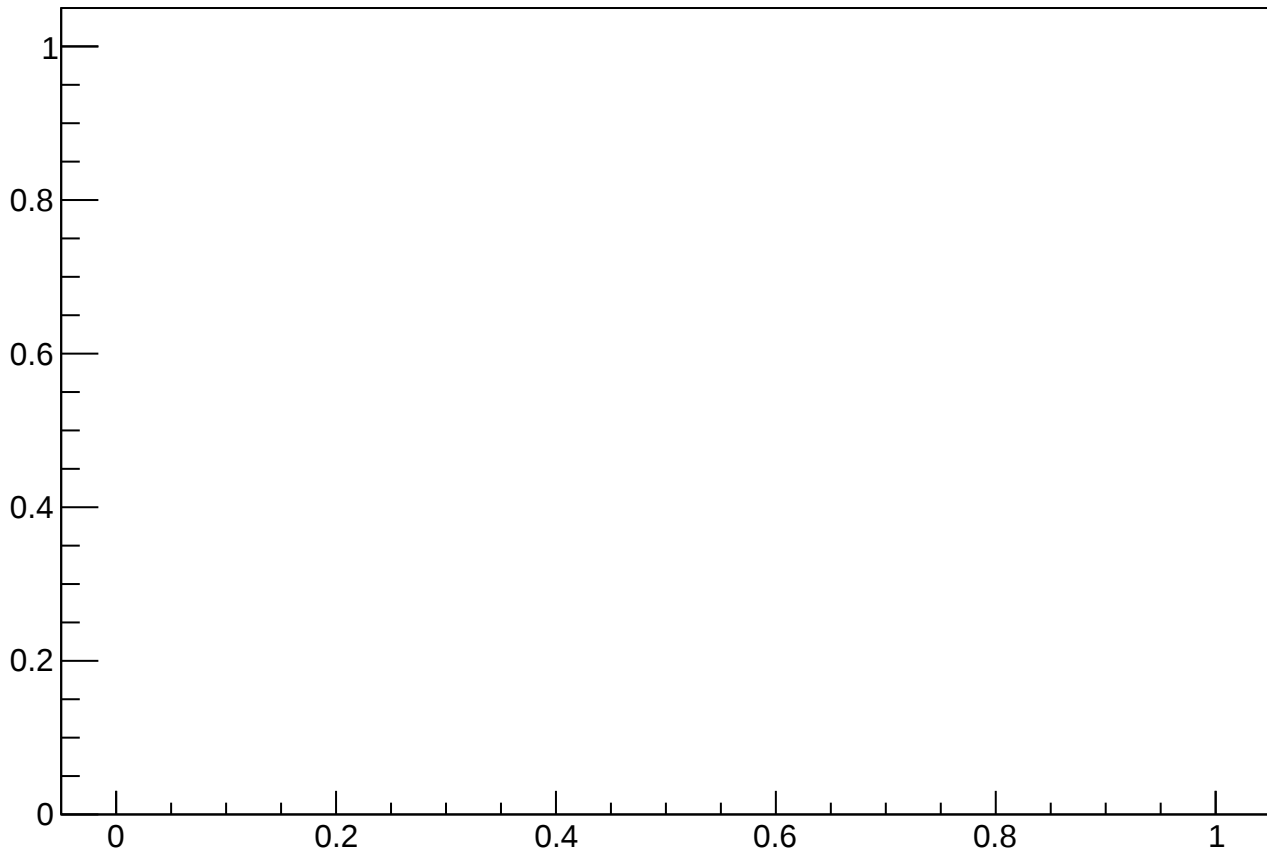
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_an_us_ds_dd_rms vs Slug



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

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

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

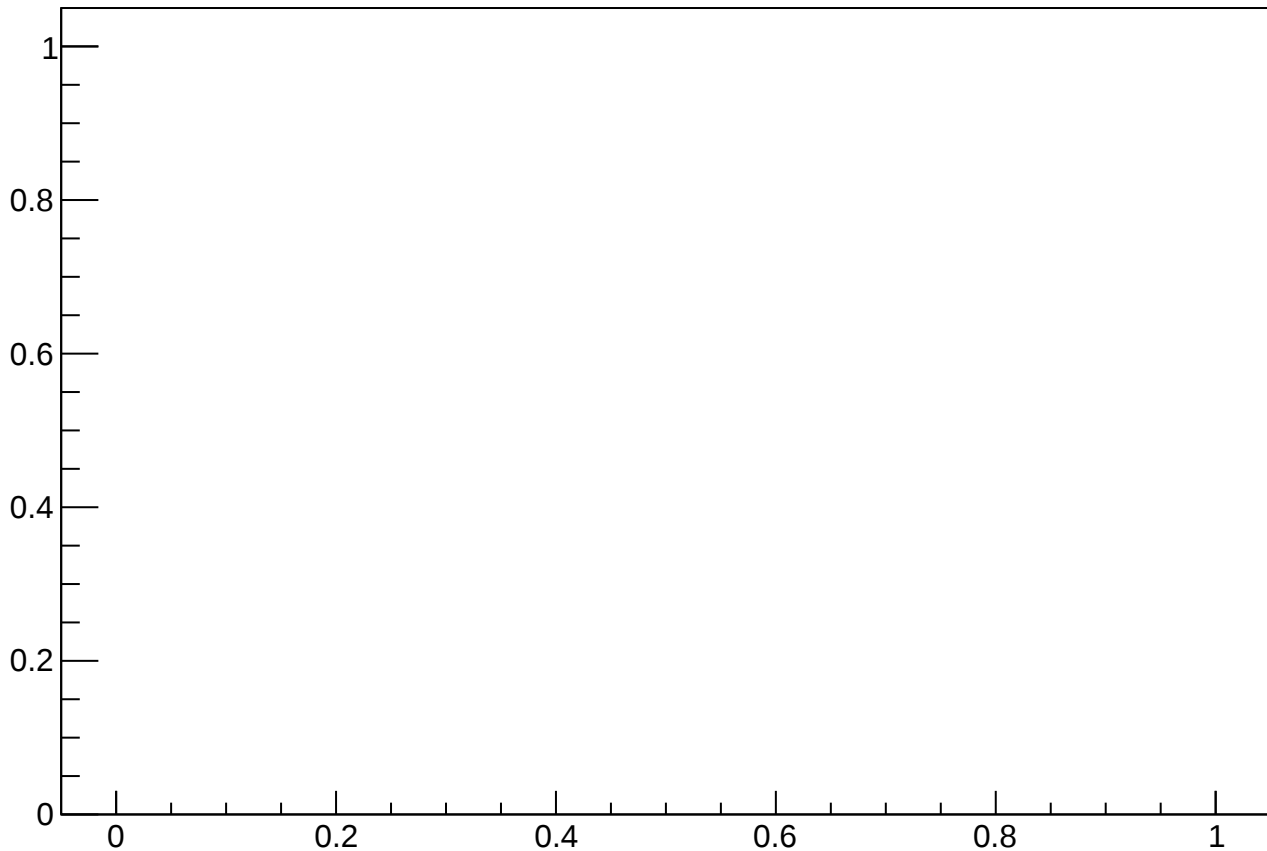
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

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

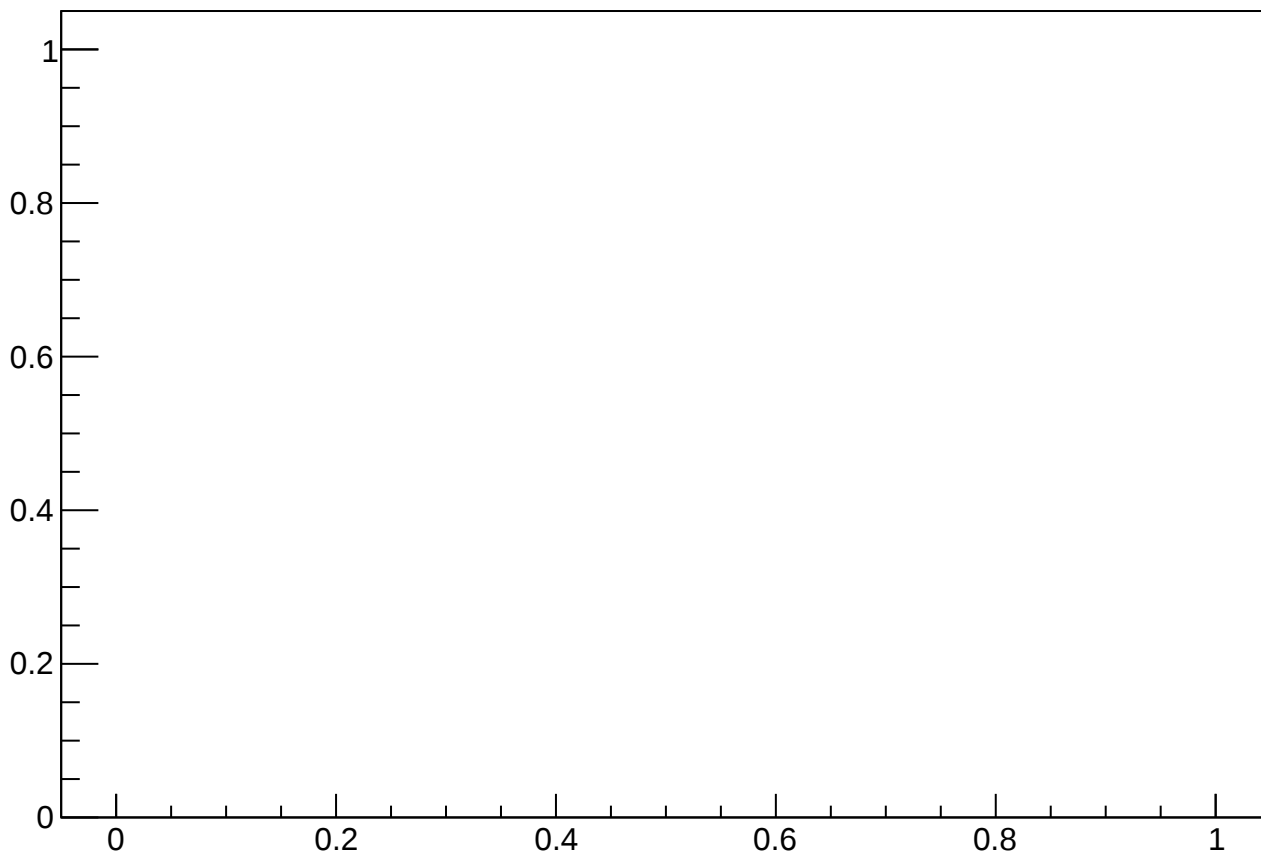
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_dg_ds_dd_rms vs Slug



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

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

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

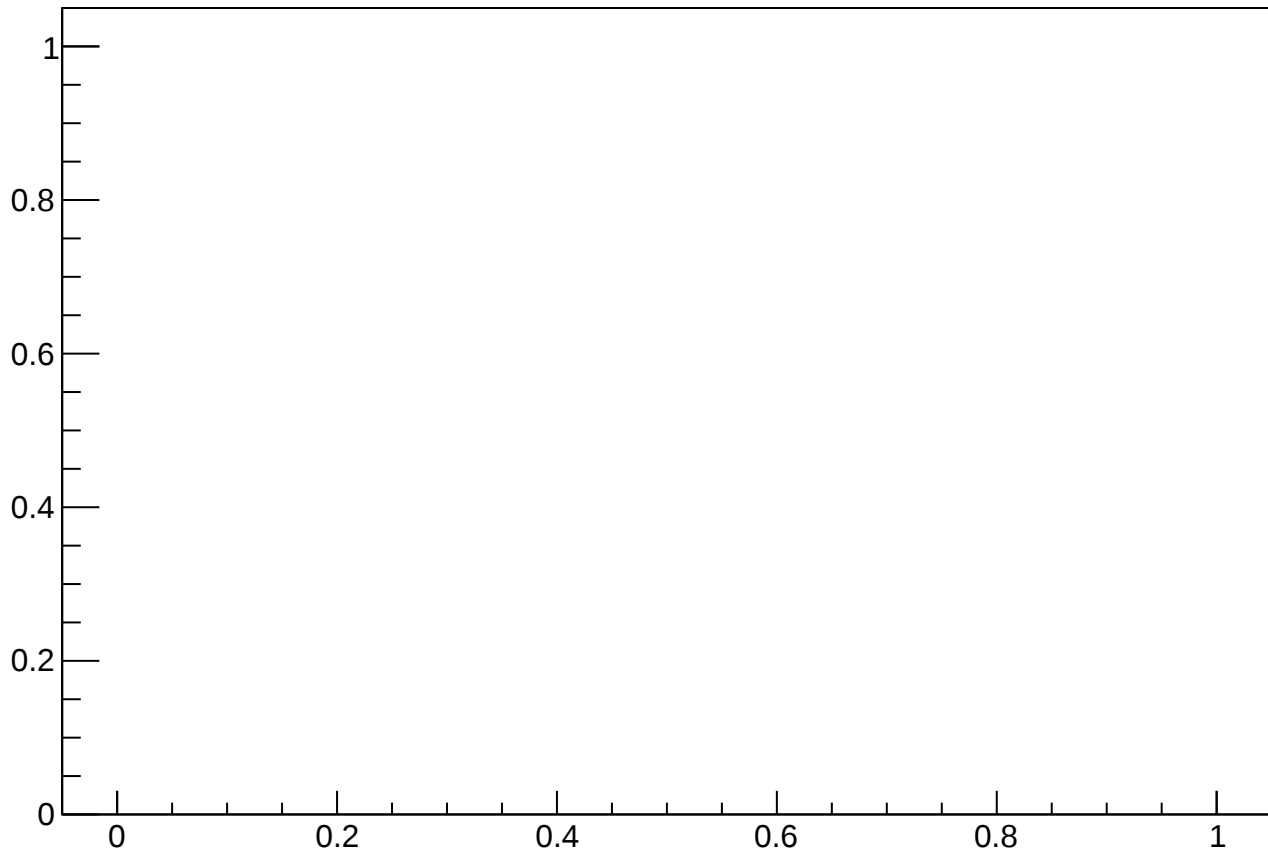
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_ds_dd_mean vs Slug



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

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

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

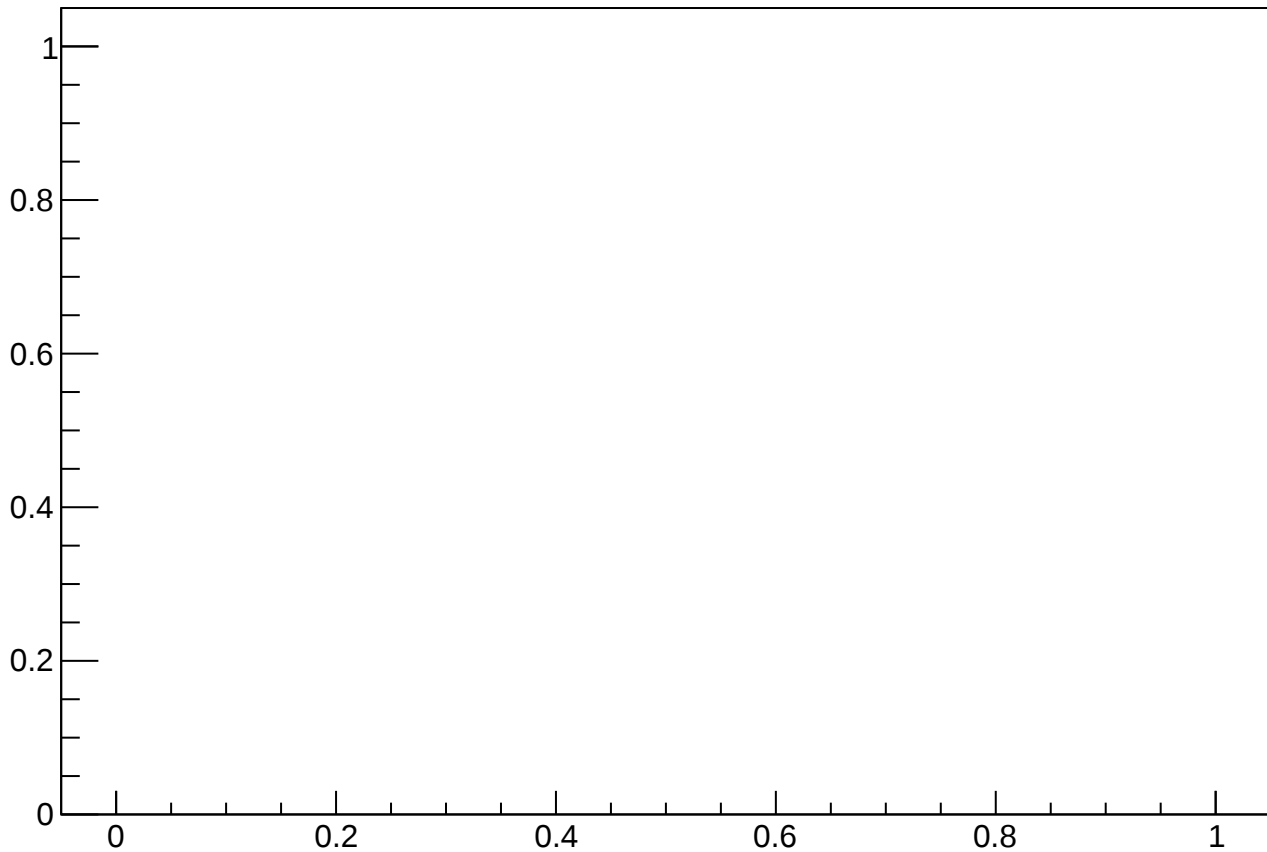
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_ds_dd_rms vs Slug



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

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

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

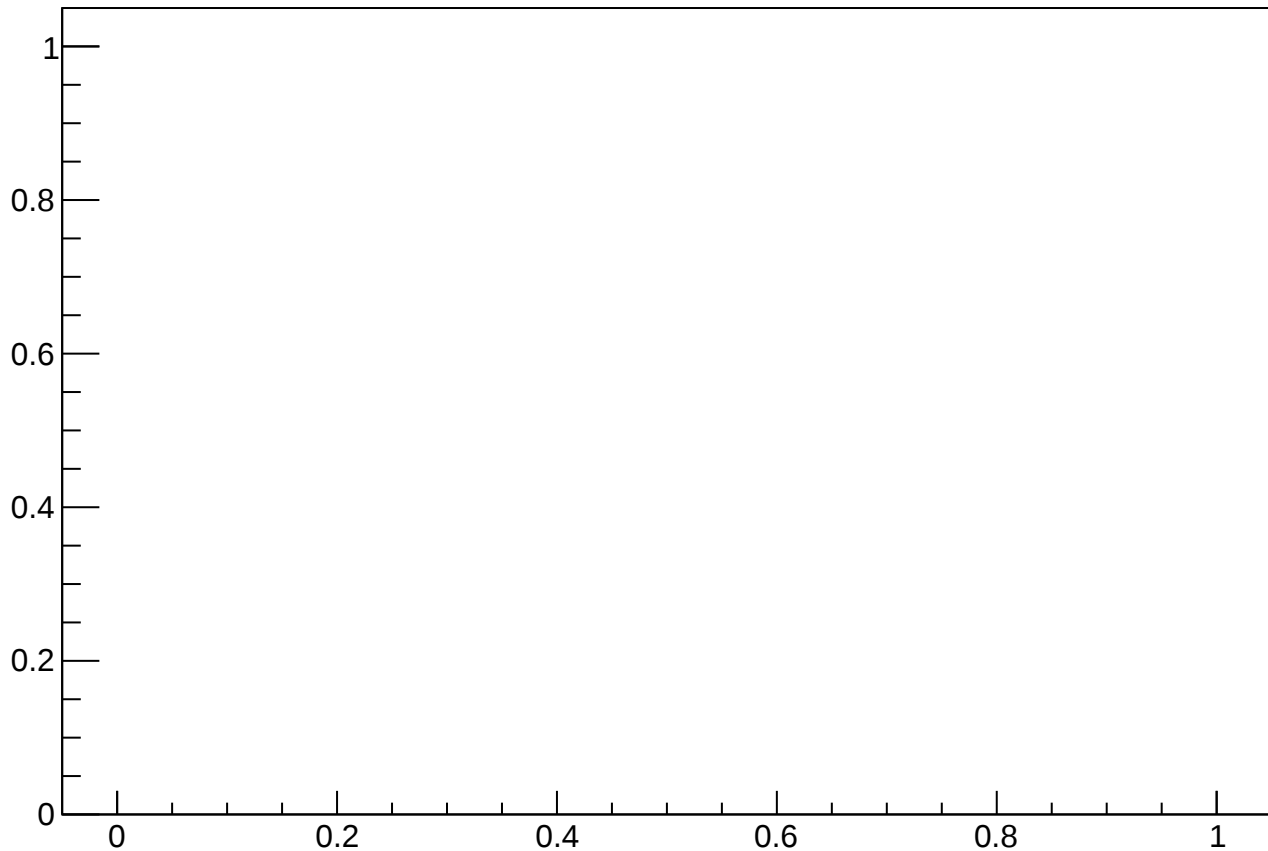
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_ds_ds_dd_mean vs Slug



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

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

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

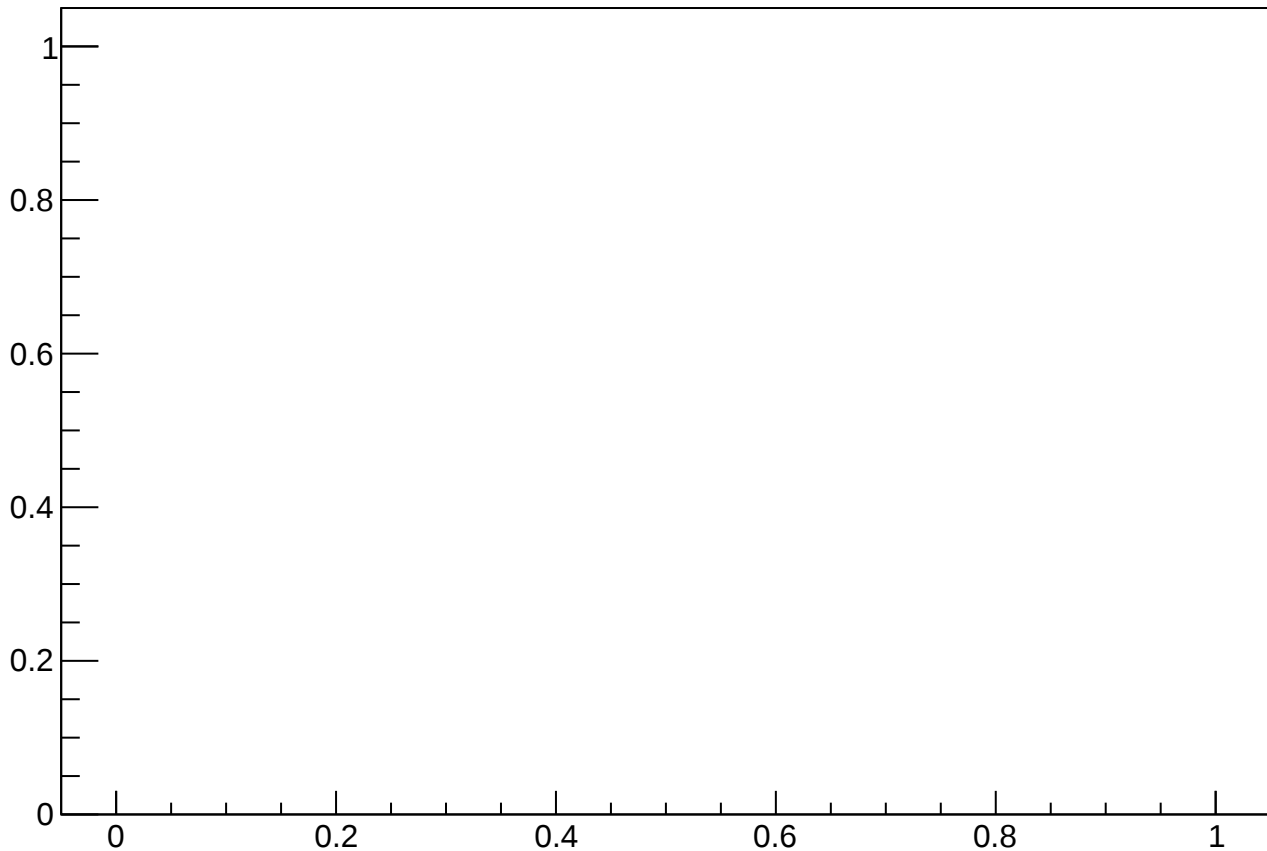
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_ds_ds_dd_rms vs Slug



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

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

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

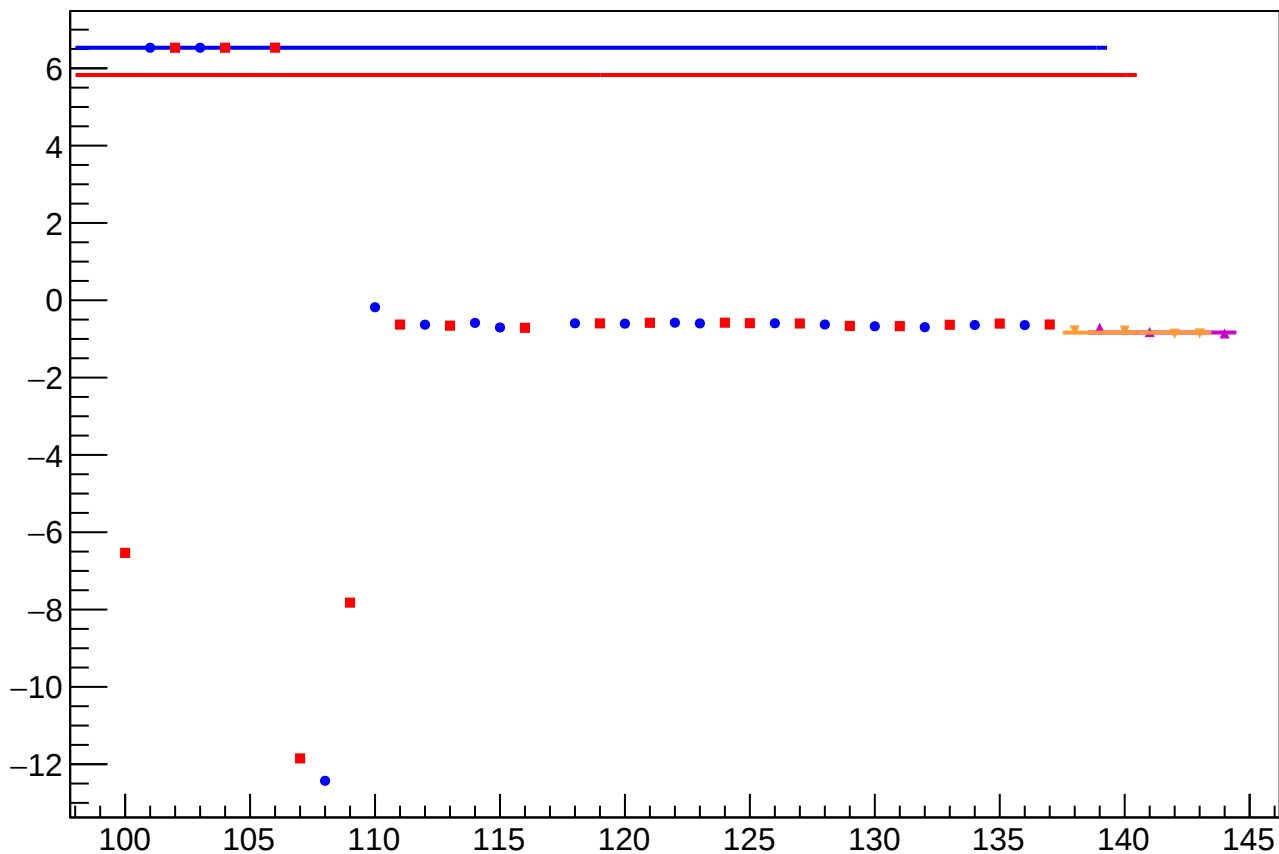
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127601781164.3/16

Left Out: -0.836 $\pm$ 0.000 χ^2 /NDF: 2790577.7/3

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755961890470183.5/18

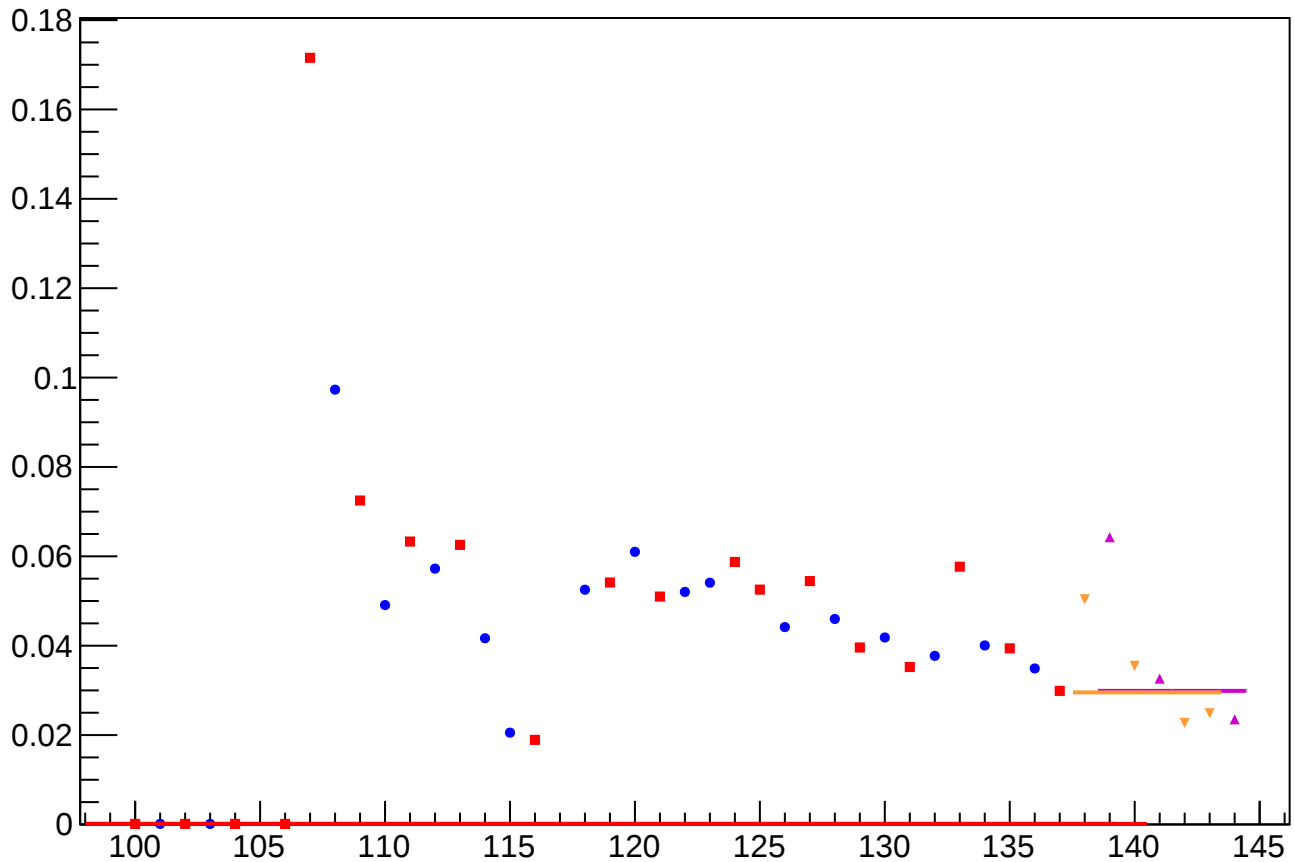
Left In: -0.834 $\pm$ 0.000 χ^2 /NDF: 3449028.3/2

+ sign 6.531 $\pm$ 0.000 χ^2 /NDF: 236701485413.4/20

All: 6.155 $\pm$ 0.000 χ^2 /NDF: 77628146961779

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756043467414325.5/18

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8848188.8/16

Left Out: 0.030+/-0.000 χ^2/NDF :325156.4/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9323542.7/18

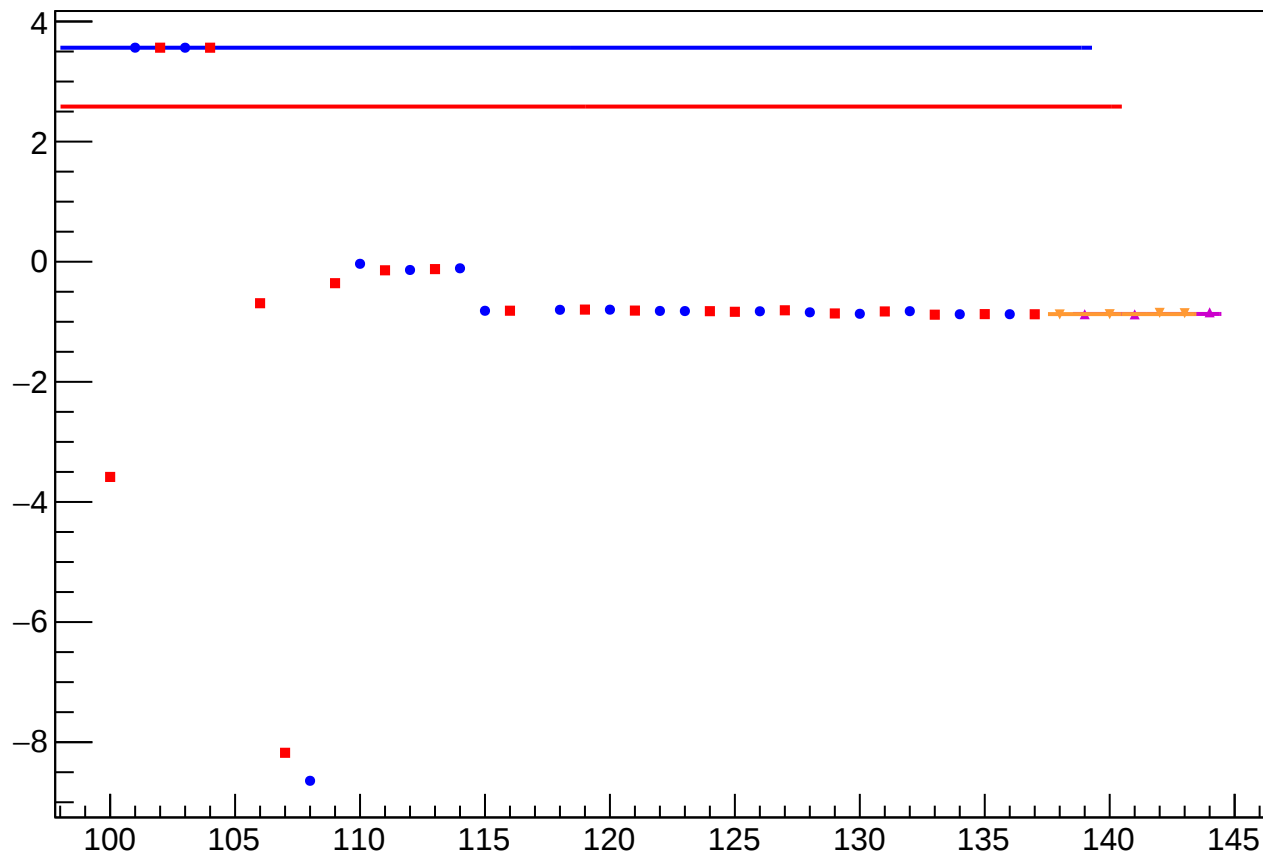
Left In: 0.030+/-0.000 χ^2/NDF :500108.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 12654002.4/20

All: 0.000+/-0.000 χ^2/NDF : 25736345.6/42

- sign 0.000+/-0.000 χ^2/NDF : 13082049.4/21

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 480140963917.5/16

Left Out: -0.872+/-0.000 χ^2/NDF : 1763664.6/3

Right Out: 2.583+/-0.000 χ^2/NDF : 1253501370113259.5/18

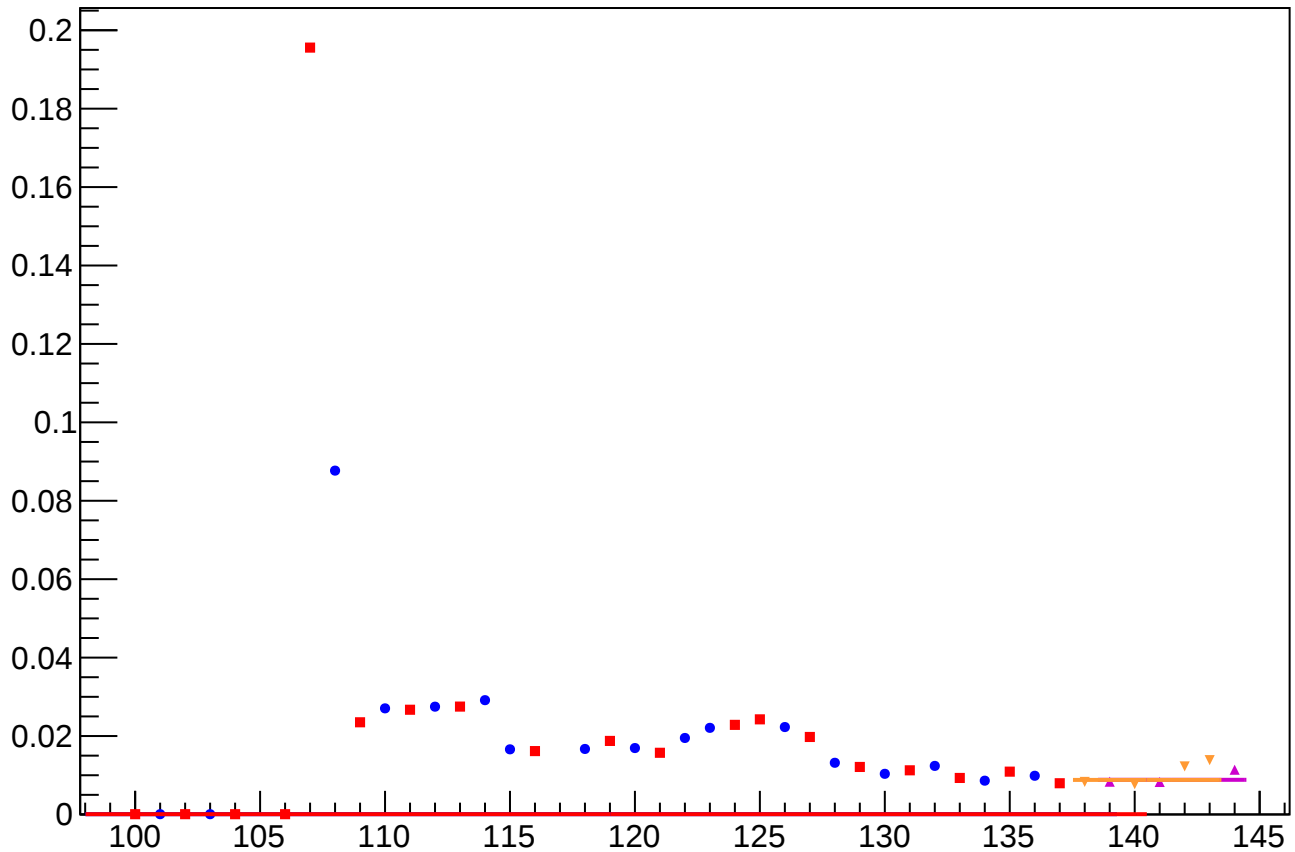
Left In: -0.870+/-0.000 χ^2/NDF : 4010203.0/2

+ sign 3.563+/-0.000 χ^2/NDF : 1019974426834.1/20

All: 3.040+/-0.000 χ^2/NDF : 13830749827249

- sign 2.583+/-0.000 χ^2/NDF : 1253815157990936.2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9686061.1/16

Left Out: 0.009+/-0.000 χ^2/NDF : 207193.8/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9818933.2/18

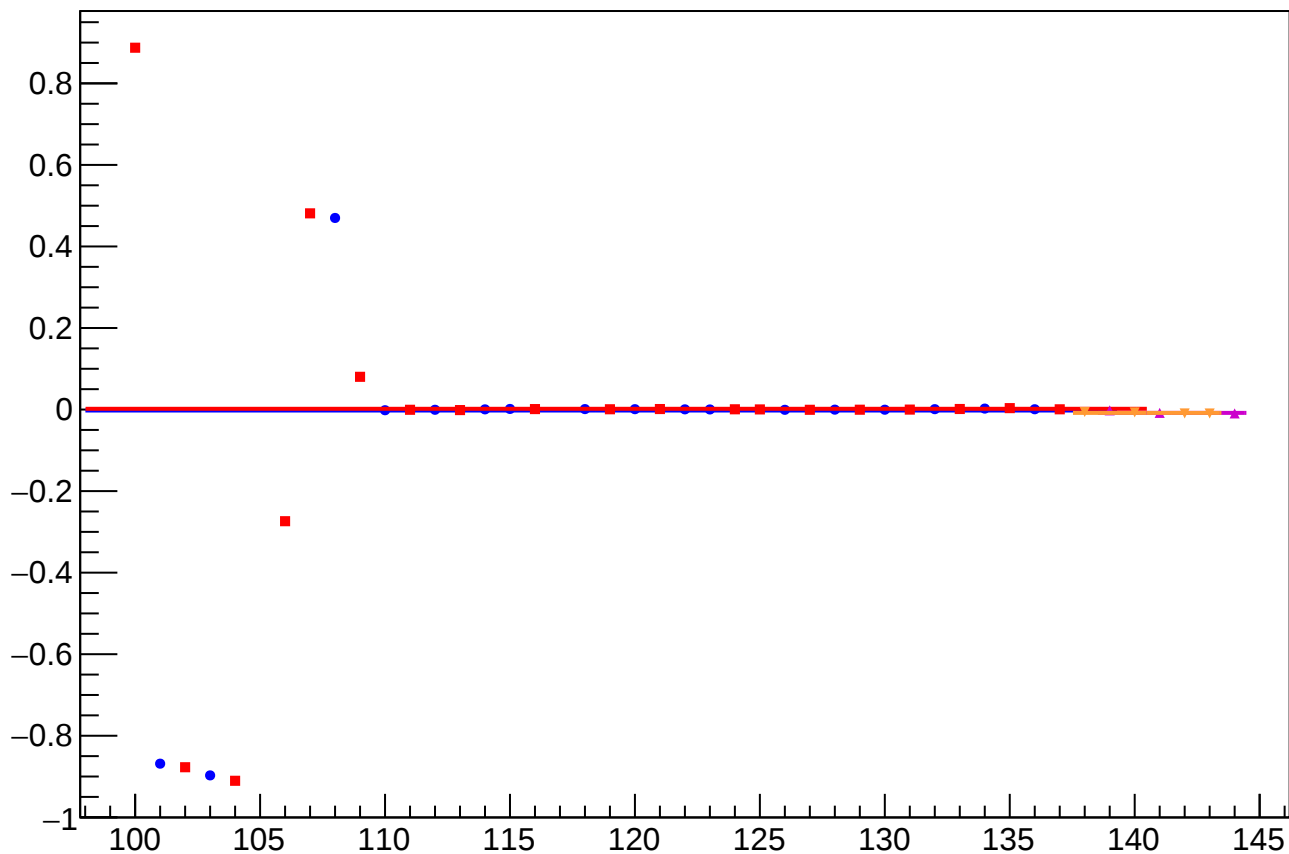
Left In: 0.009+/-0.000 χ^2/NDF : 70043.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 14084149.0/20

All: 0.000+/-0.000 χ^2/NDF : 28018705.2/42

- sign 0.000+/-0.000 χ^2/NDF : 13934193.0/21

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794882359.1/16

Left Out: -0.008+/-0.000 χ^2/NDF : 2114552.4/3

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319636.1/18

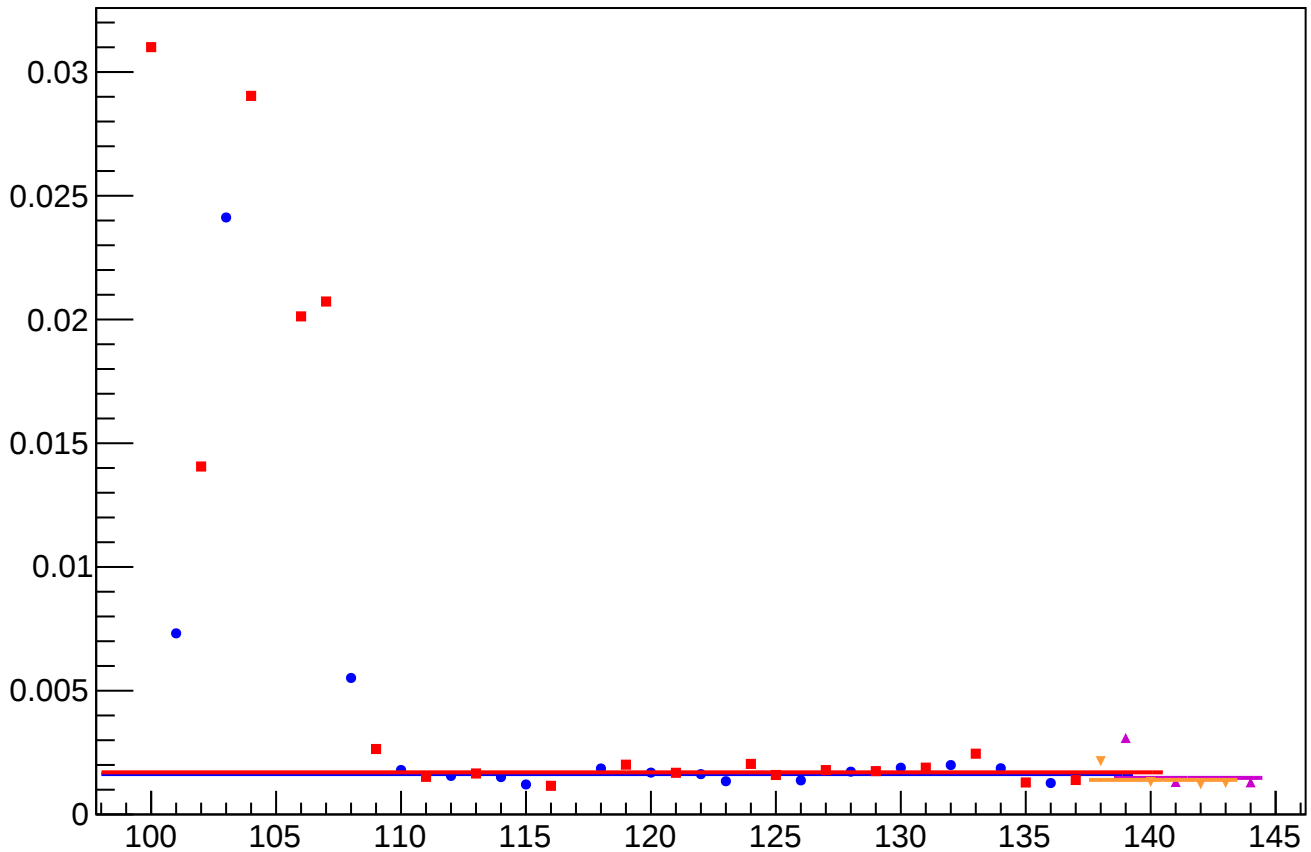
Left In: -0.008+/-0.000 χ^2/NDF : 3560140.8/2

+ sign -0.004+/-0.000 χ^2/NDF : 9817269392.6/20

All: -0.003+/-0.000 χ^2/NDF : 12924302174.6/21

- sign -0.002+/-0.000 χ^2/NDF : 3096883072.7/21

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1921590.0/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:172659.5/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023068.5/18

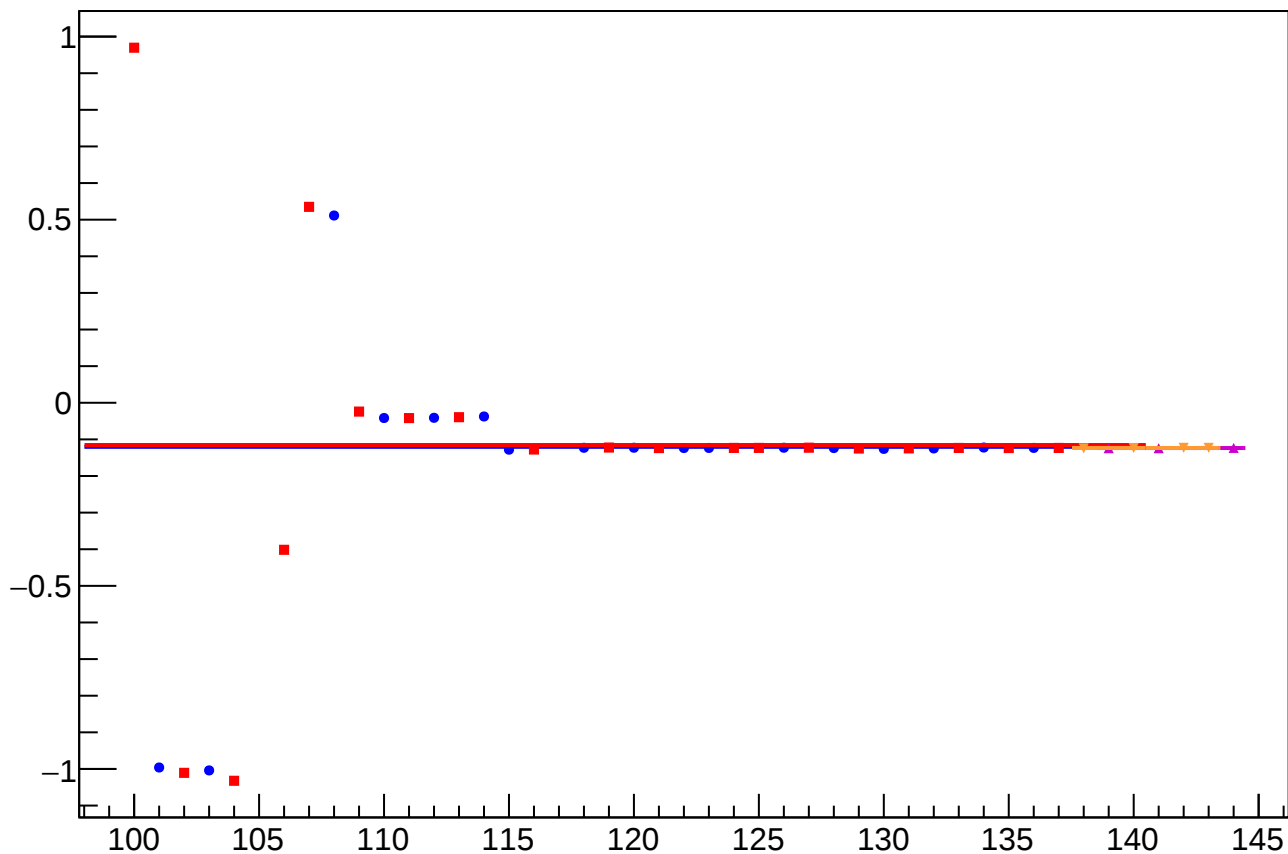
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:434012.2/2

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2159442.4/20

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5682746.0/42

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3508716.2/21

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932599788.9/16

Left Out: -0.123+/-0.000 χ^2/NDF : 429889.1/3

Right Out: -0.115+/-0.000 χ^2/NDF : 2456183694.8/18

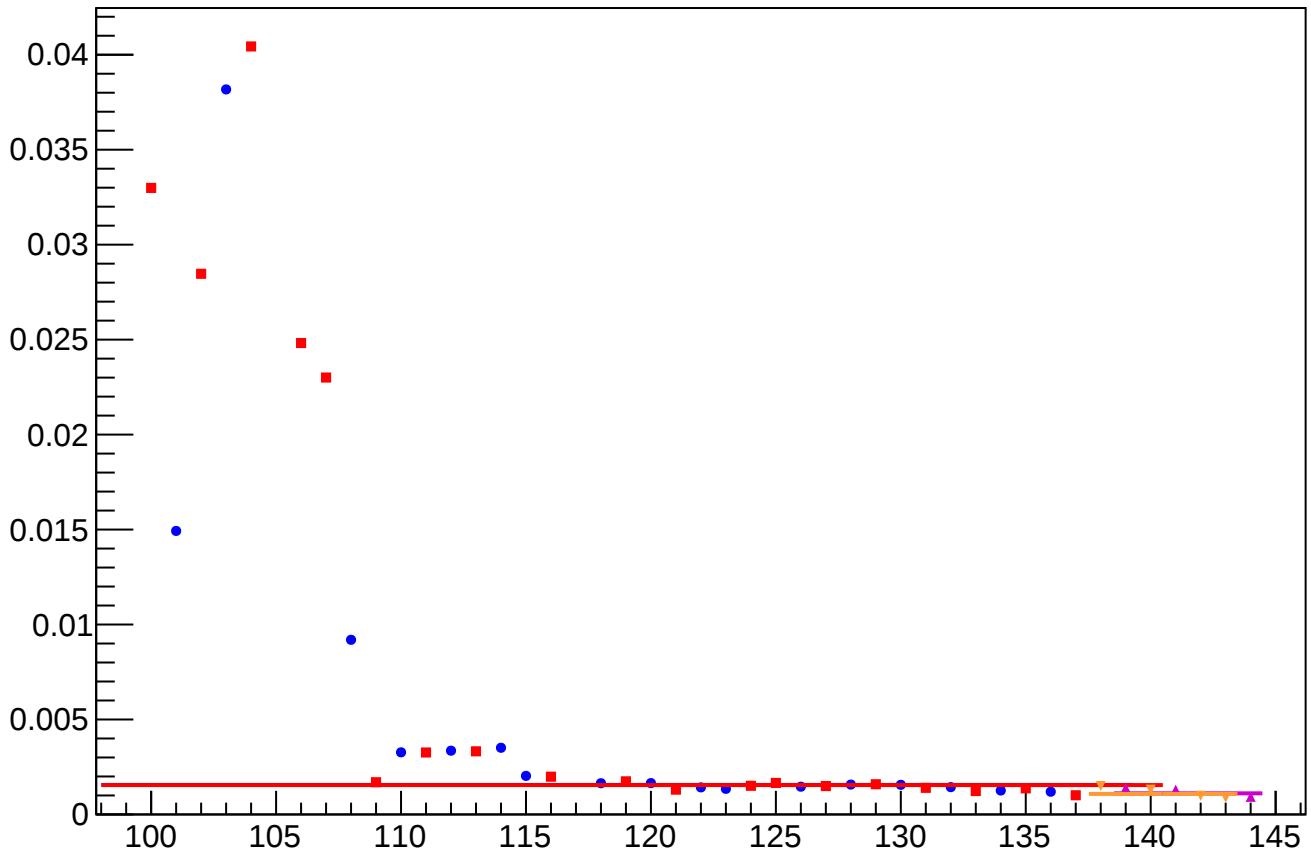
Left In: -0.124+/-0.000 χ^2/NDF : 278167.5/2

+ sign -0.122+/-0.000 χ^2/NDF : 3942262638.1/20

All: -0.121+/-0.000 χ^2/NDF : 6471415979.8/4

- sign -0.119+/-0.000 χ^2/NDF : 2516505650.2/21

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2897244.2/16

Left Out: 0.001+/-0.000 χ^2/NDF :212271.6/3

Right Out: 0.002+/-0.000 χ^2/NDF : 3536477.8/18

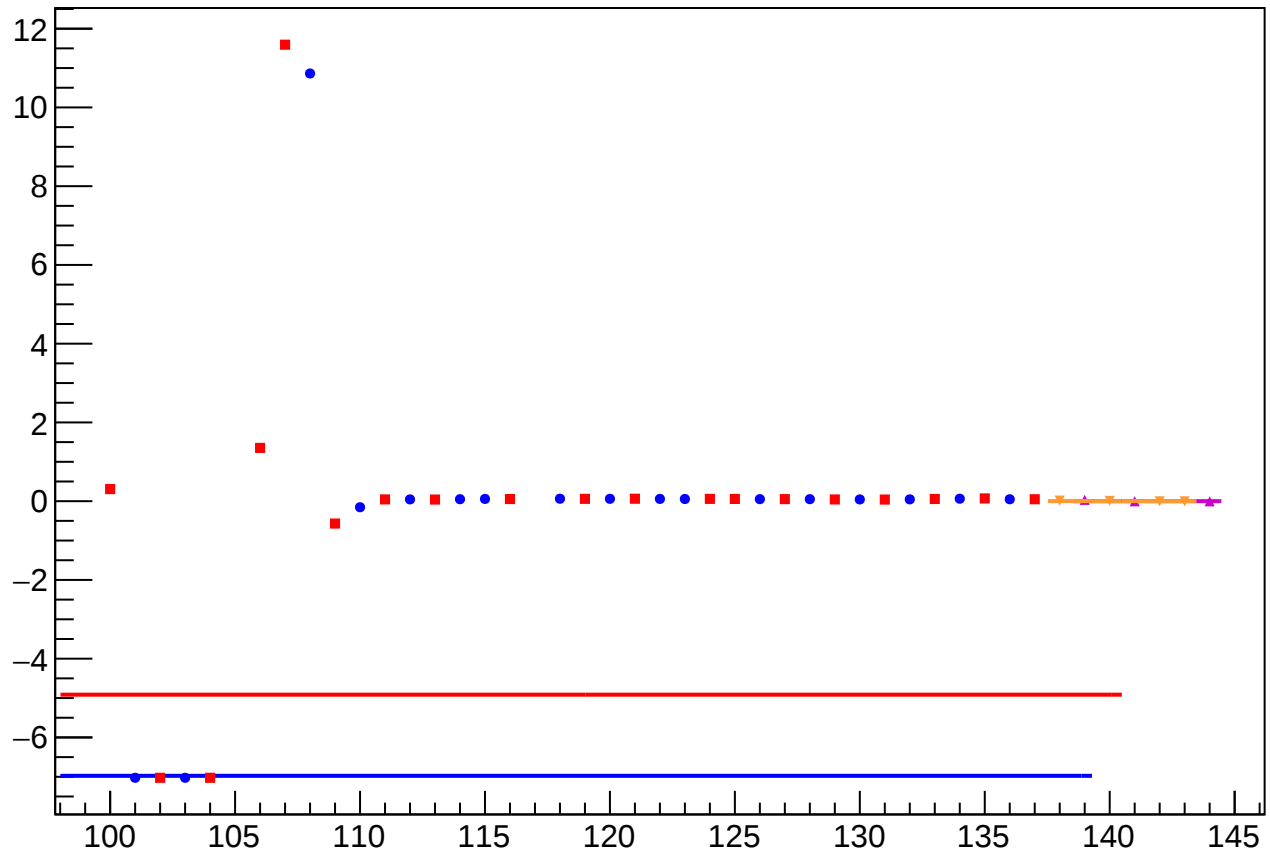
Left In: 0.001+/-0.000 χ^2/NDF :148489.0/2

+ sign 0.001+/-0.000 χ^2/NDF : 3530236.2/20

All: 0.001+/-0.000 χ^2/NDF : 7557677.6/42

- sign 0.001+/-0.000 χ^2/NDF : 4024888.1/21

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8762449111165.9/16

Left Out: 0.002+/-0.000 χ^2/NDF :1414477.2/3

Right Out: -4.914+/-0.000 χ^2/NDF : 365348533697497.2/18

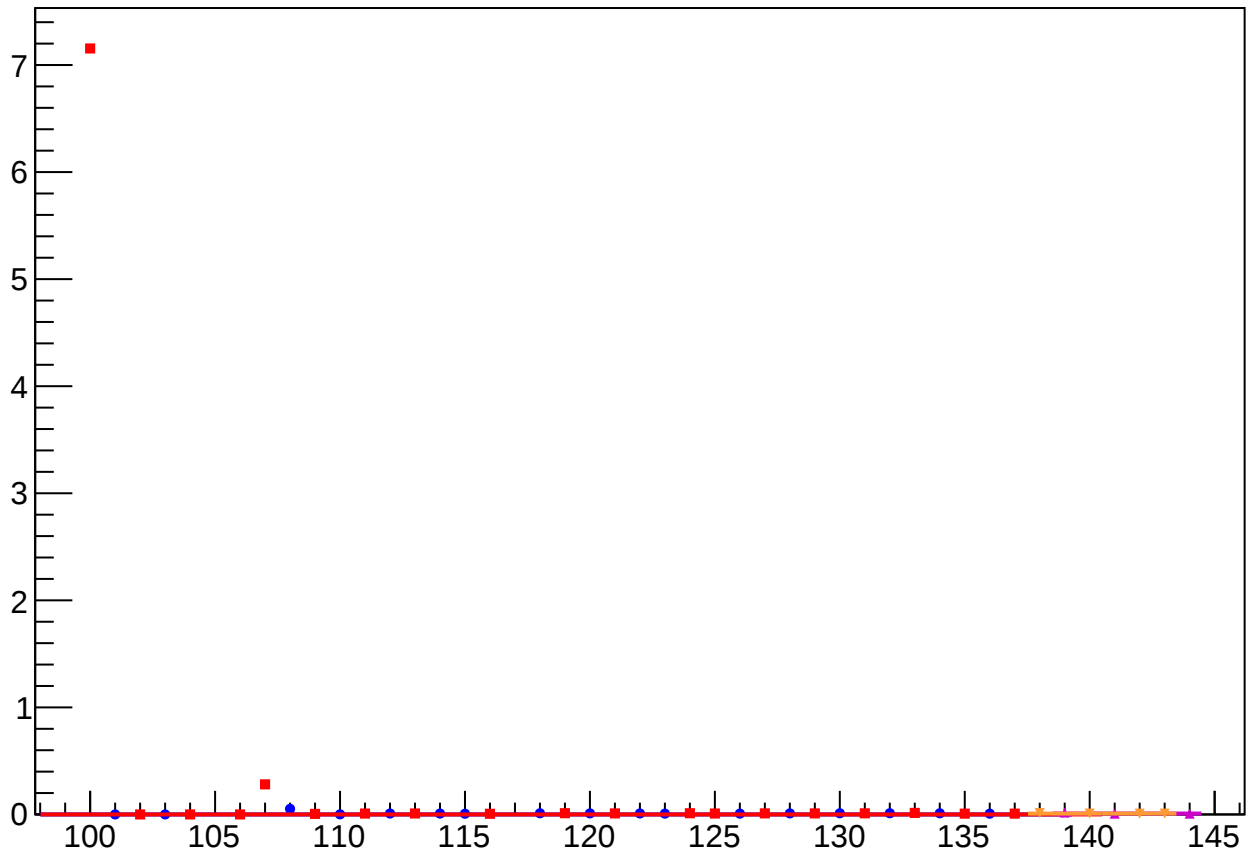
Left In: 0.001+/-0.000 χ^2/NDF :2800993.8/2

+ sign -6.968+/-0.000 χ^2/NDF : 10021961625069.5/16

All: -5.894+/-0.000 χ^2/NDF : 4320106753627.2/16

- sign -4.910+/-0.000 χ^2/NDF : 365907840678261.2/18

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8227727.7/16

Left Out: 0.008+/-0.000 χ^2/NDF :168012.0/3

Right Out: 0.000+/-0.000 χ^2/NDF : 8749291.1/18

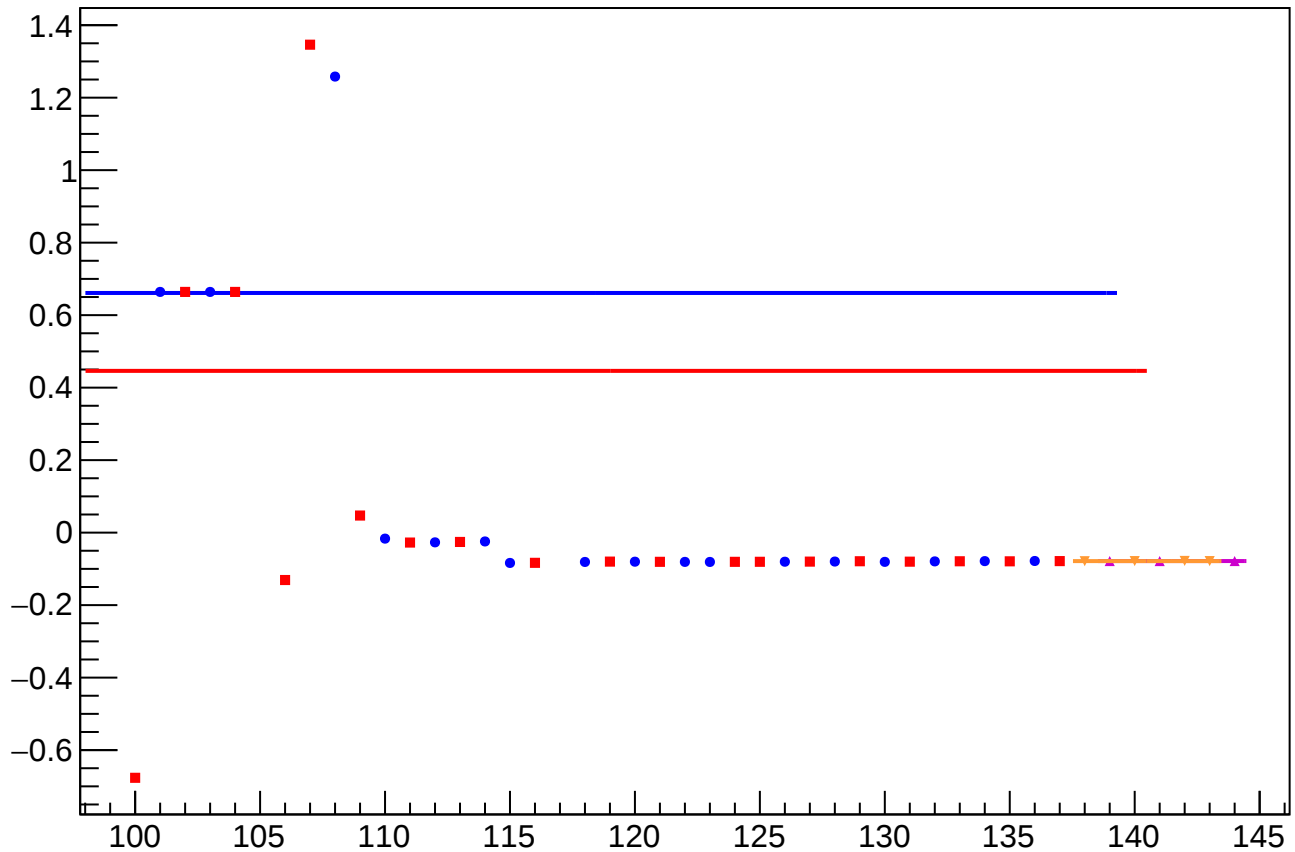
Left In: 0.009+/-0.000 χ^2/NDF :427800.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 11853227.6/20

All: 0.000+/-0.000 χ^2/NDF : 24312476.0/42

- sign 0.000+/-0.000 χ^2/NDF : 12458662.3/21

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5585151330309.5/16

Left Out: -0.079 $\pm$ 0.000 χ^2 /NDF: 479983.2/3

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405416742195381.0/18

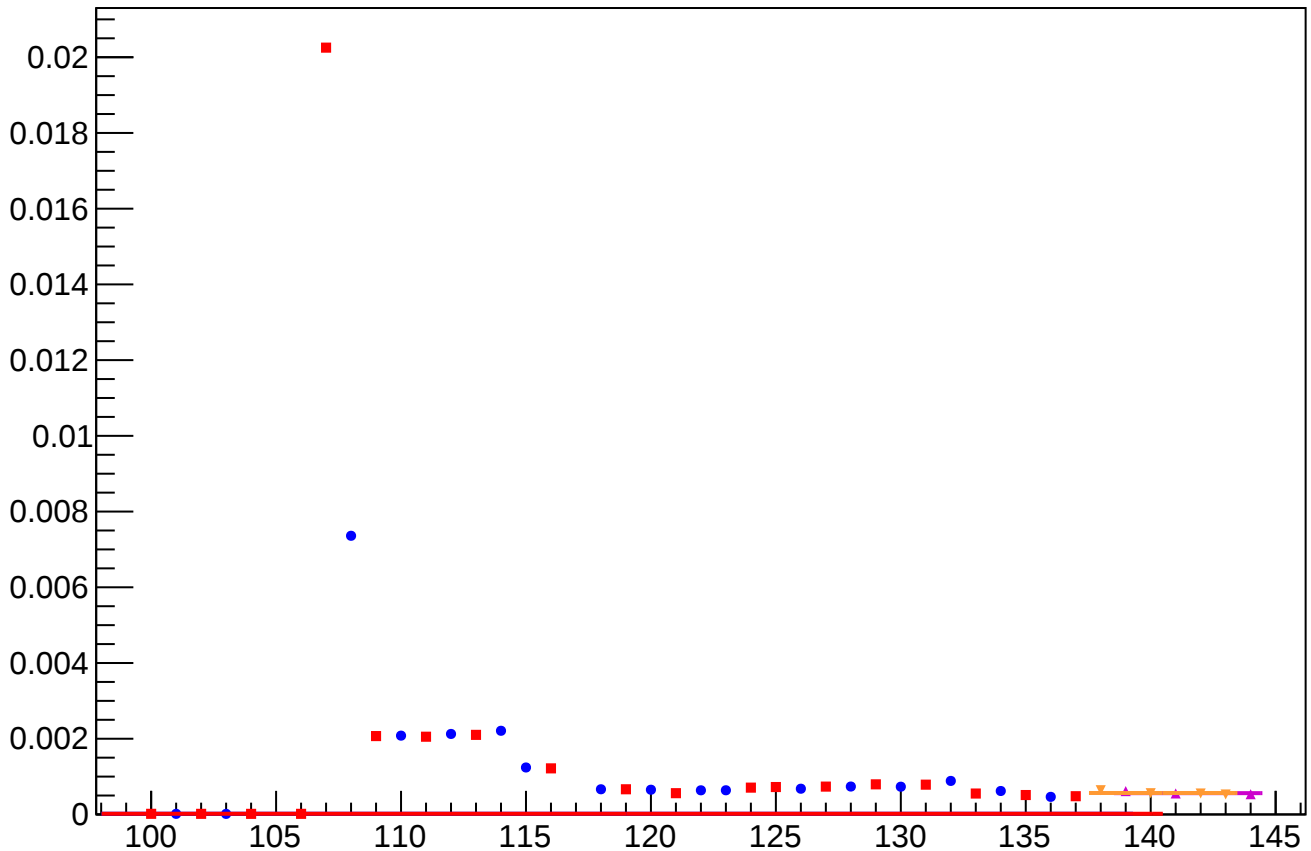
Left In: -0.078 $\pm$ 0.000 χ^2 /NDF: 6218.1/2

+ sign 0.659 $\pm$ 0.000 χ^2 /NDF: 9774228285952.7/20

All: 0.547 $\pm$ 0.000 χ^2 /NDF: 47981608923640

- sign 0.445 $\pm$ 0.000 χ^2 /NDF: 407425569565816.9/18

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9835626.2/16

Left Out: 0.001+/-0.000 χ^2/NDF :26143.9/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9440944.6/18

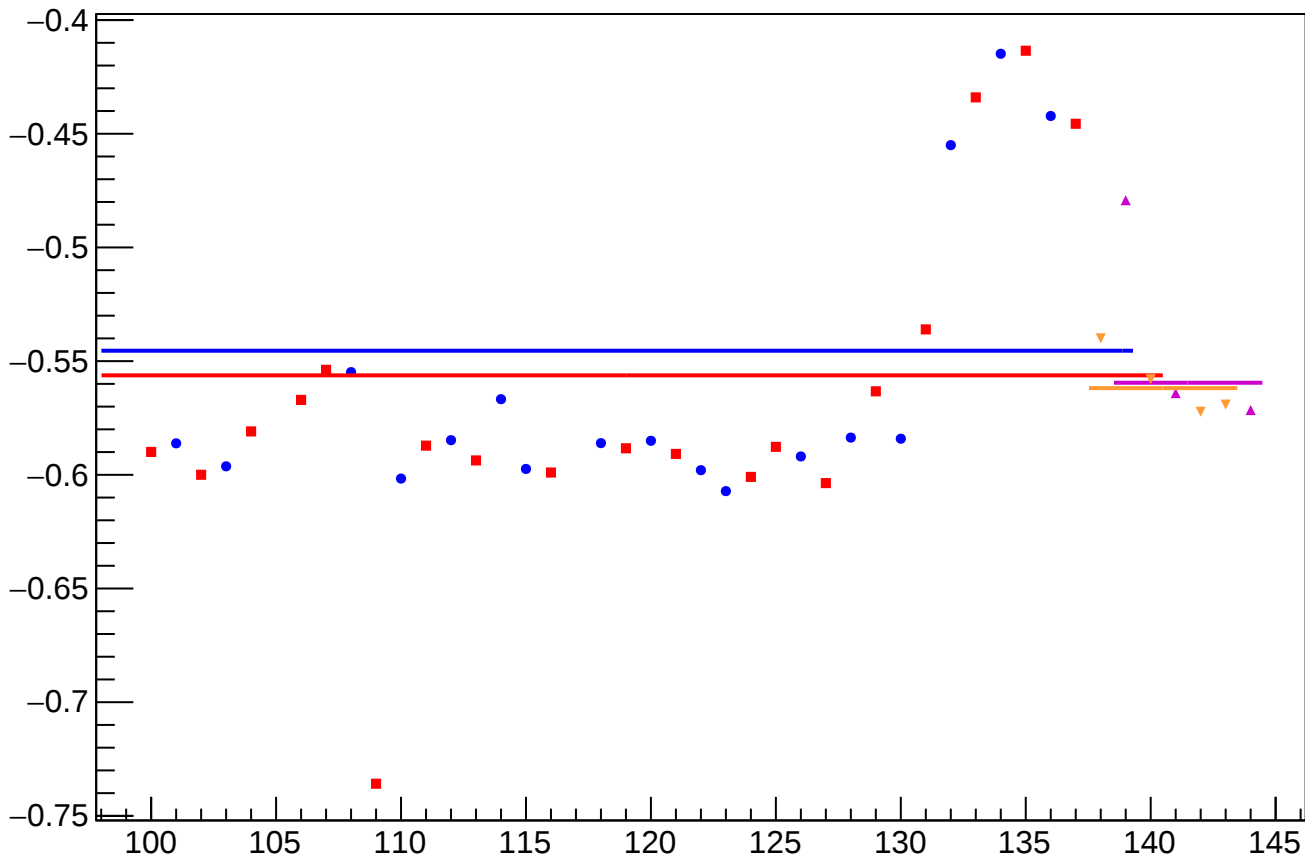
Left In: 0.001+/-0.000 χ^2/NDF :15515.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 14472784.3/20

All: 0.000+/-0.000 χ^2/NDF : 28255392.0/42

- sign 0.000+/-0.000 χ^2/NDF : 13782411.7/21

yield_bpm4aX_mean vs Slug



Right In: -0.545+/-0.000 χ^2/NDF : 46353554.3/16

Left Out: -0.562+/-0.000 χ^2/NDF : 596117.0/3

Right Out: -0.556+/-0.000 χ^2/NDF : 63720924.6/18

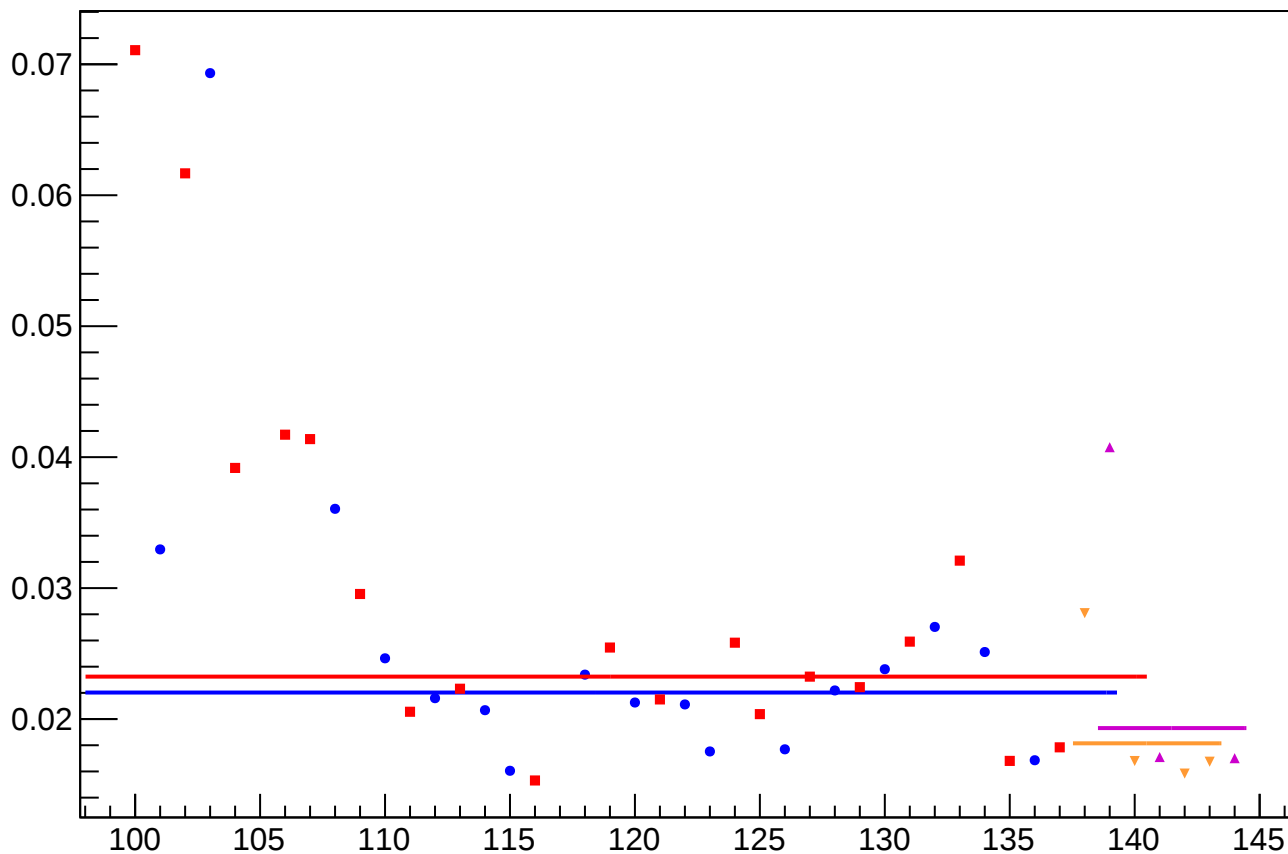
Left In: -0.559+/-0.000 χ^2/NDF : 3147729.5/2

+ sign -0.551+/-0.000 χ^2/NDF : 47908953.0/20

All: -0.554+/-0.000 χ^2/NDF : 115103416.9/42

- sign -0.557+/-0.000 χ^2/NDF : 66901581.9/21

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 958242.5/16

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:173243.6/3

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1154898.9/18

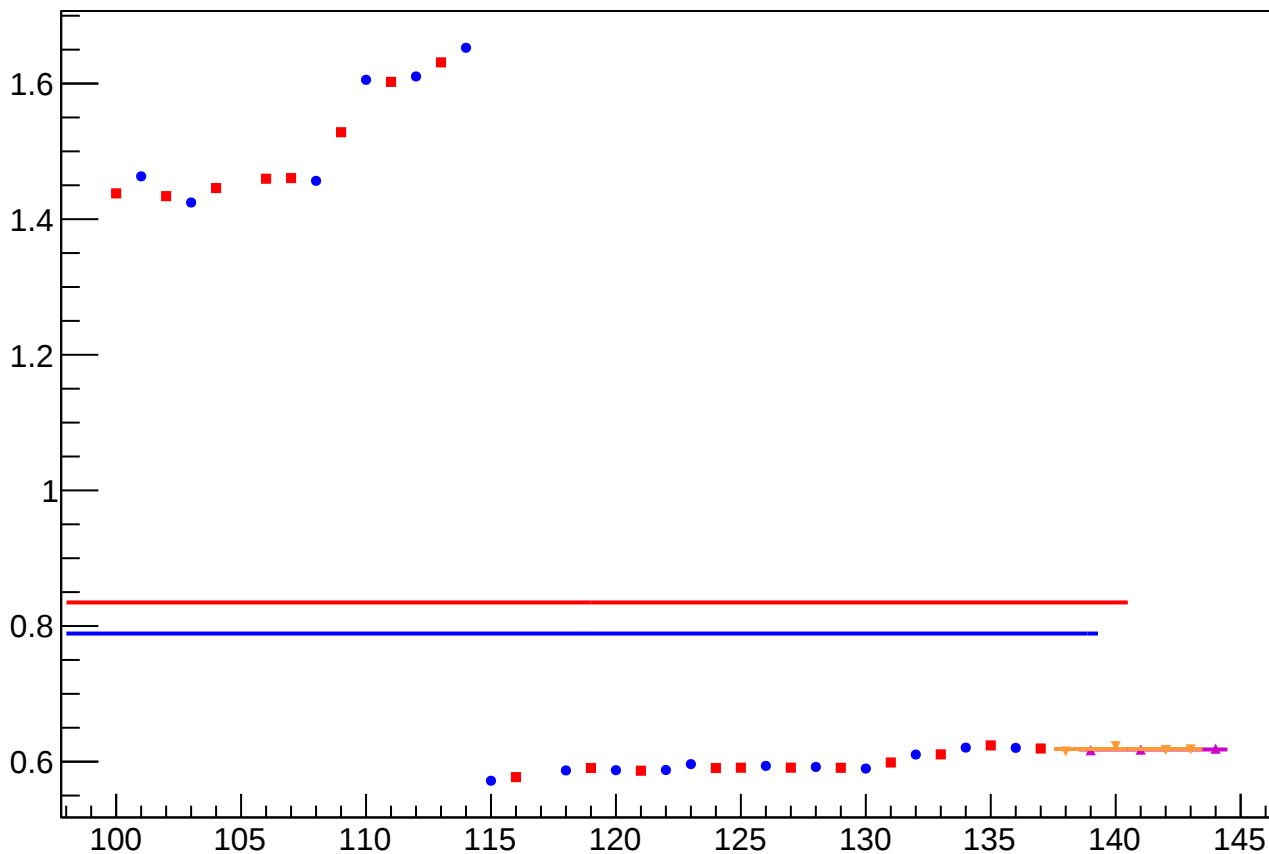
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:441368.0/2

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1238064.7/20

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 2955743.5/42

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 1692491.7/21

yield_bpm4aY_mean vs Slug



Right In: 0.789 $\pm$ 0.000 χ^2 /NDF: 3572292316.9/16

Left Out: 0.619 $\pm$ 0.000 χ^2 /NDF:180041.0/3

Right Out: 0.835 $\pm$ 0.000 χ^2 /NDF: 4145929509.1/18

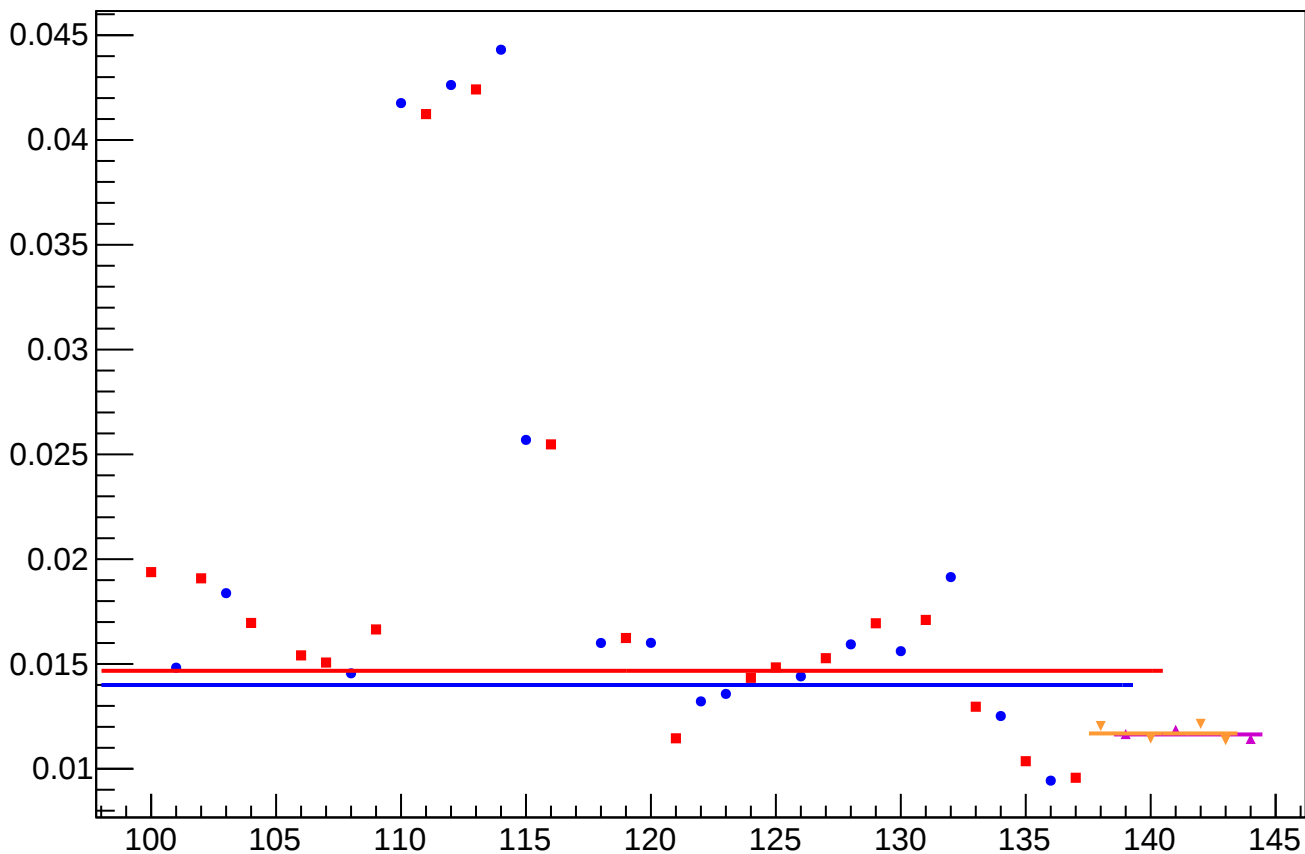
Left In: 0.618 $\pm$ 0.000 χ^2 /NDF:15989.3/2

+ sign 0.722 $\pm$ 0.000 χ^2 /NDF: 3897169479.9/20

All: 0.737 $\pm$ 0.000 χ^2 /NDF: 8565198738.0/42

- sign 0.751 $\pm$ 0.000 χ^2 /NDF: 4648366166.3/21

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1393658.1/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:4119.5/3

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1257158.3/18

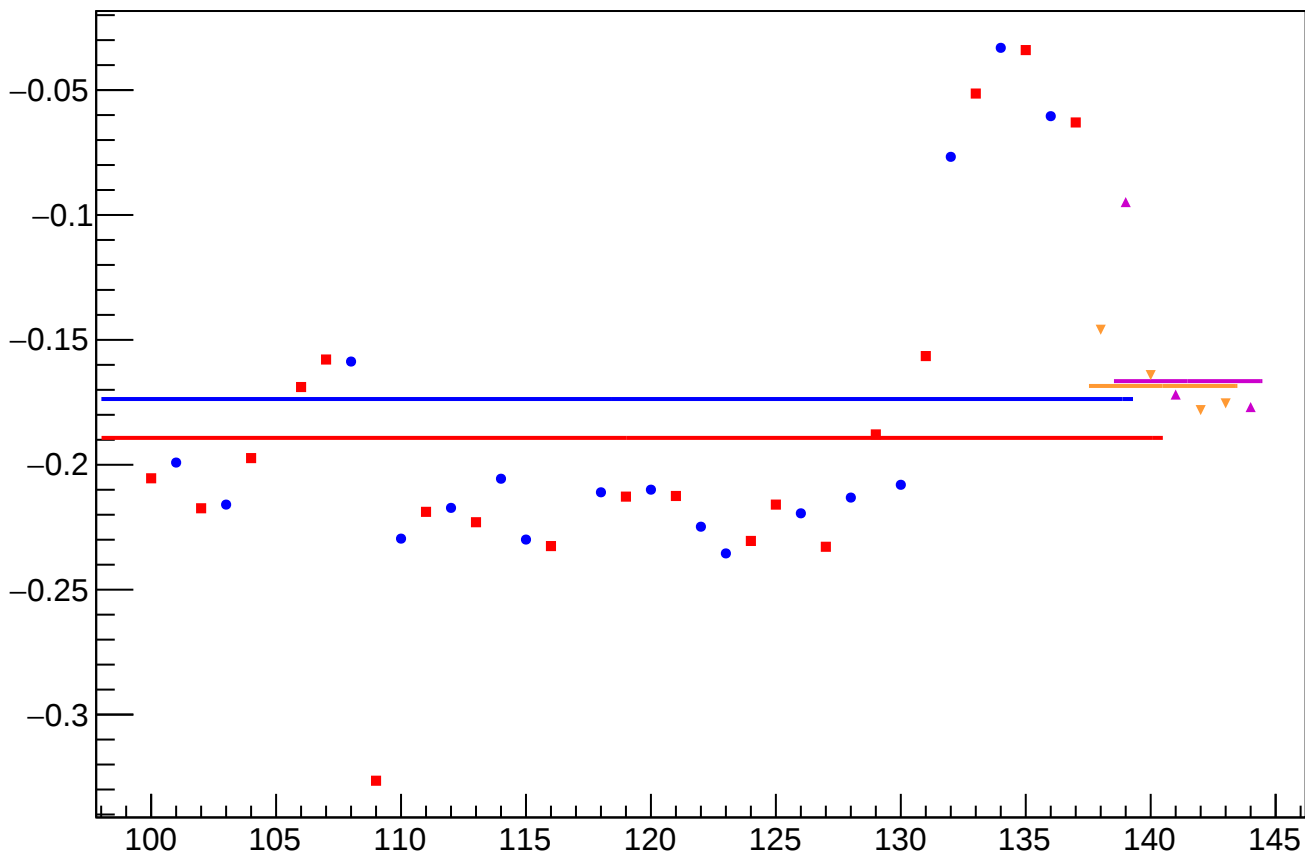
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1156.6/2

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1517407.7/20

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 2980680.9/42

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1455316.1/21

yield_bpm4eX_mean vs Slug



Right In: -0.174 ± 0.000 χ^2/NDF : 66840344.3/16

Left Out: -0.168 ± 0.000 χ^2/NDF : 651456.9/3

Right Out: -0.189 ± 0.000 χ^2/NDF : 81440695.3/18

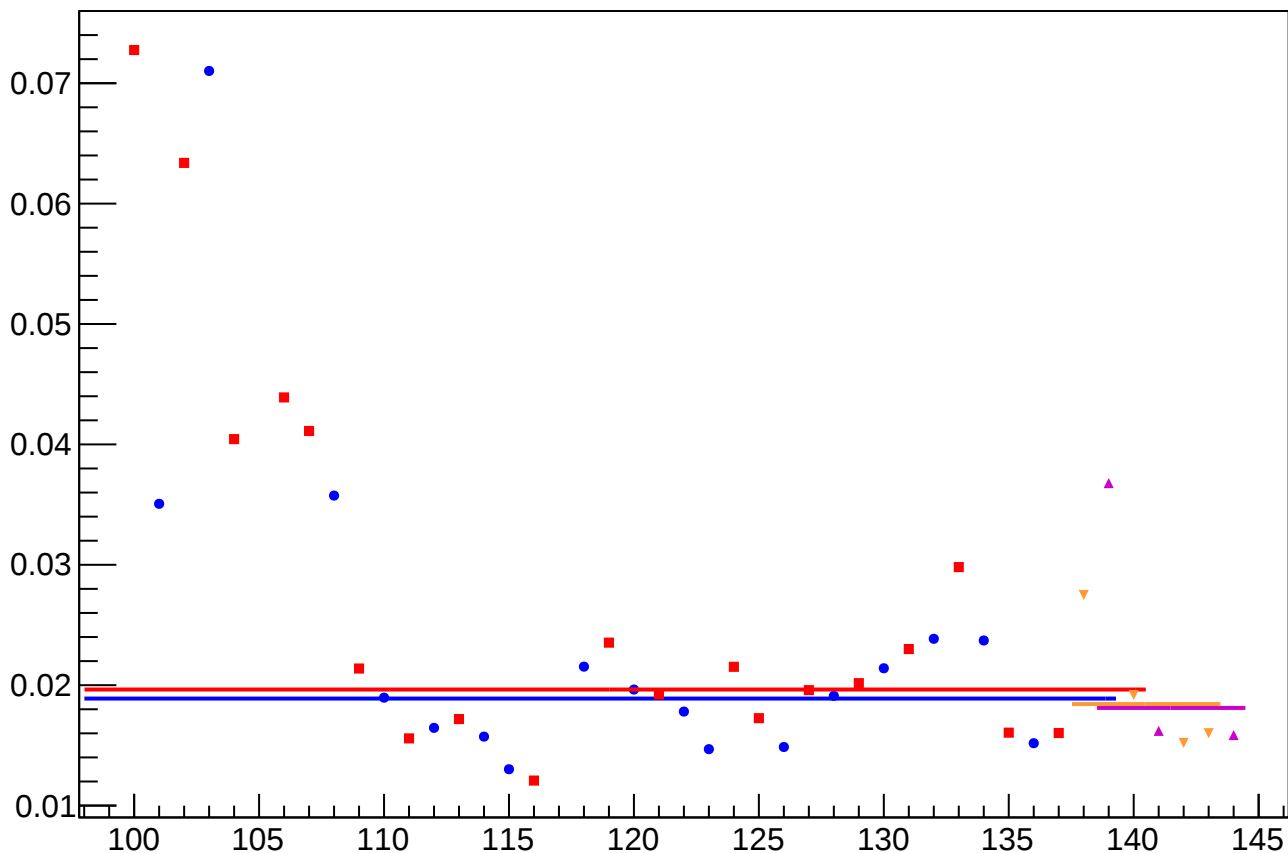
Left In: -0.167 ± 0.000 χ^2/NDF : 3068249.8/2

+ sign -0.172 ± 0.000 χ^2/NDF : 67599489.9/20

All: -0.177 ± 0.000 χ^2/NDF : 155137645.2/42

- sign -0.183 ± 0.000 χ^2/NDF : 86467148.0/21

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1212238.5/16

Left Out: 0.018+/-0.000 χ^2/NDF :183741.9/3

Right Out: 0.020+/-0.000 χ^2/NDF : 1451854.2/18

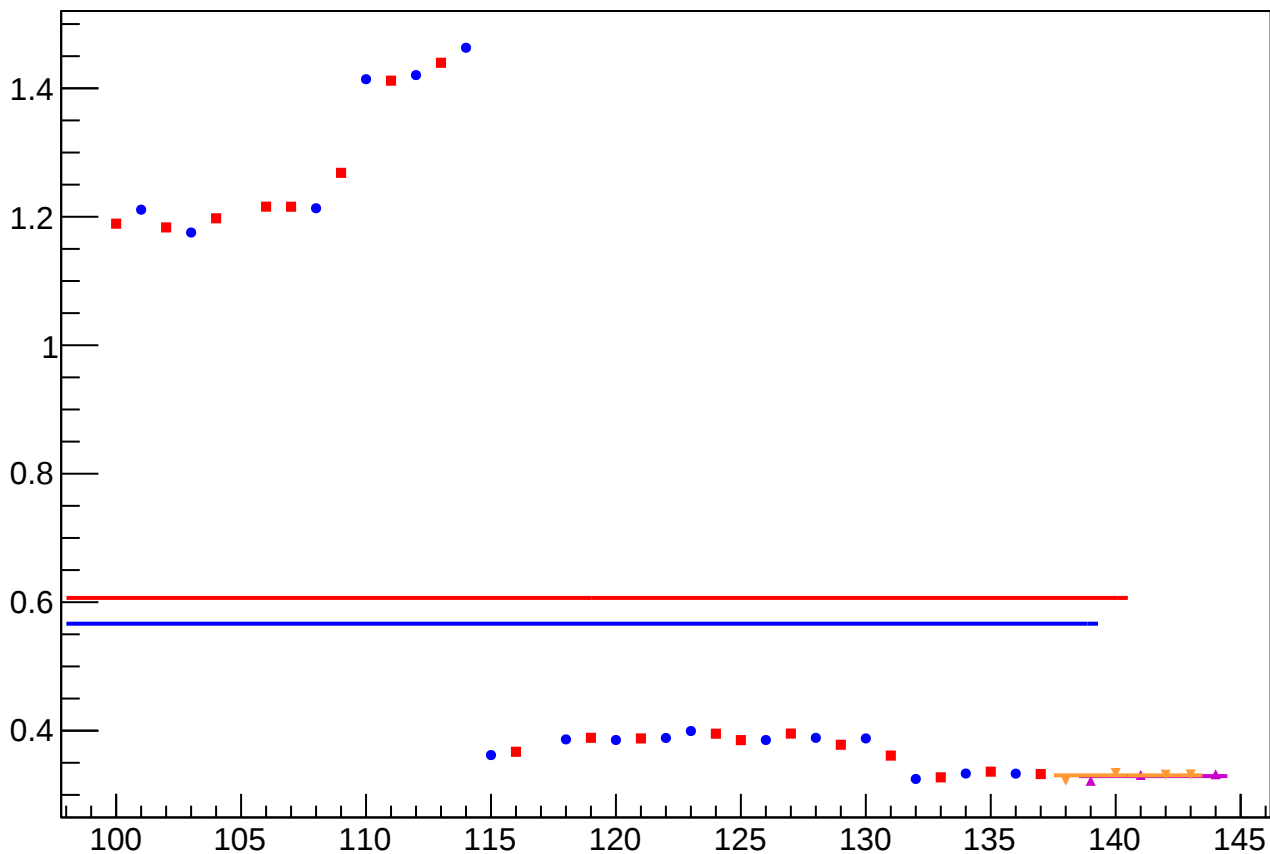
Left In: 0.018+/-0.000 χ^2/NDF :412791.9/2

+ sign 0.019+/-0.000 χ^2/NDF : 1397636.0/20

All: 0.019+/-0.000 χ^2/NDF : 3283834.9/42

- sign 0.019+/-0.000 χ^2/NDF : 1882367.1/21

yield_bpm4eY_mean vs Slug



Right In: 0.567+/-0.000 χ^2/NDF : 5026553135.6/16

Left Out: 0.330+/-0.000 χ^2/NDF :357818.2/3

Right Out: 0.607+/-0.000 χ^2/NDF : 5520995734.6/18

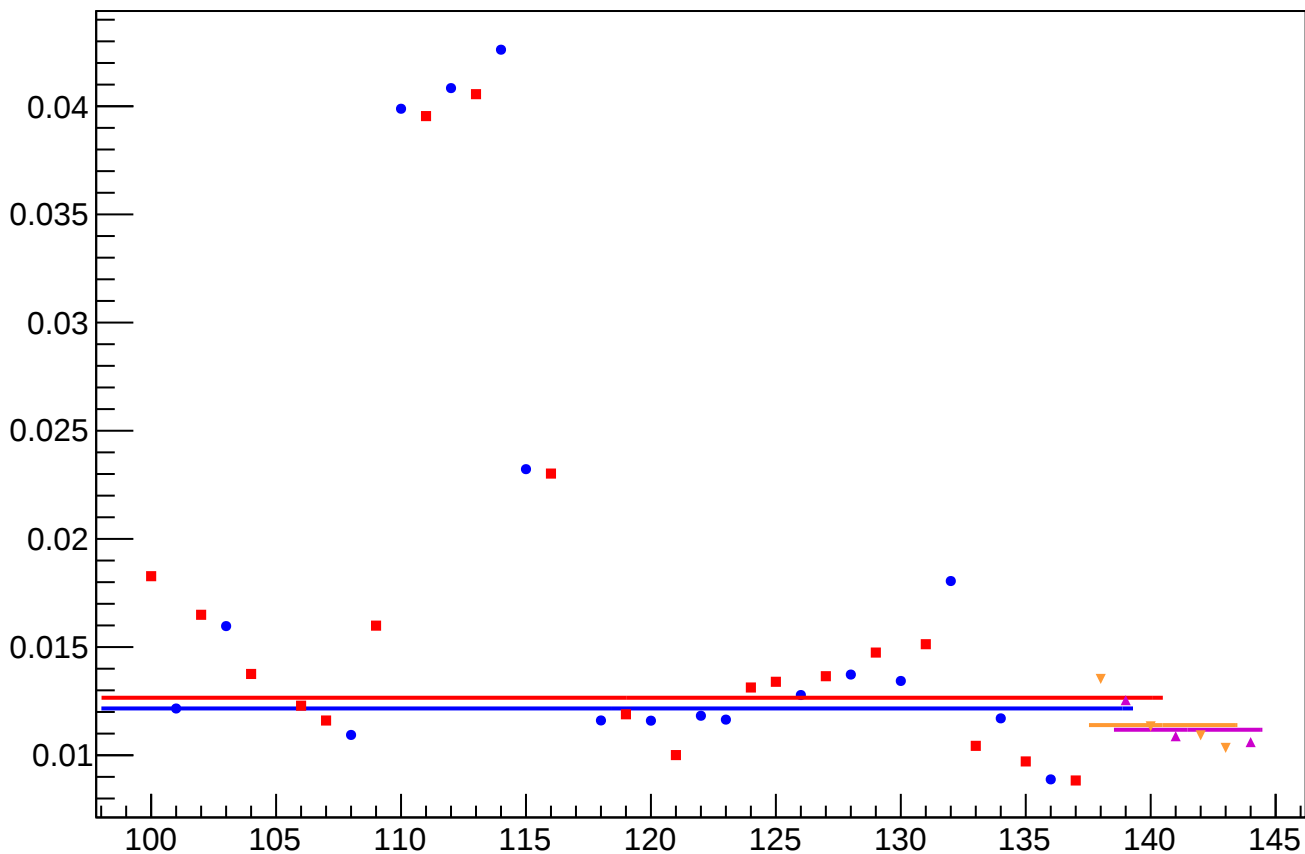
Left In: 0.329+/-0.000 χ^2/NDF :320973.8/2

+ sign 0.487+/-0.000 χ^2/NDF : 5731560819.6/20

All: 0.500+/-0.000 χ^2/NDF : 12216192748.1/4

- sign 0.514+/-0.000 χ^2/NDF : 6465409491.5/21

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1302333.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:49863.3/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1265522.0/18

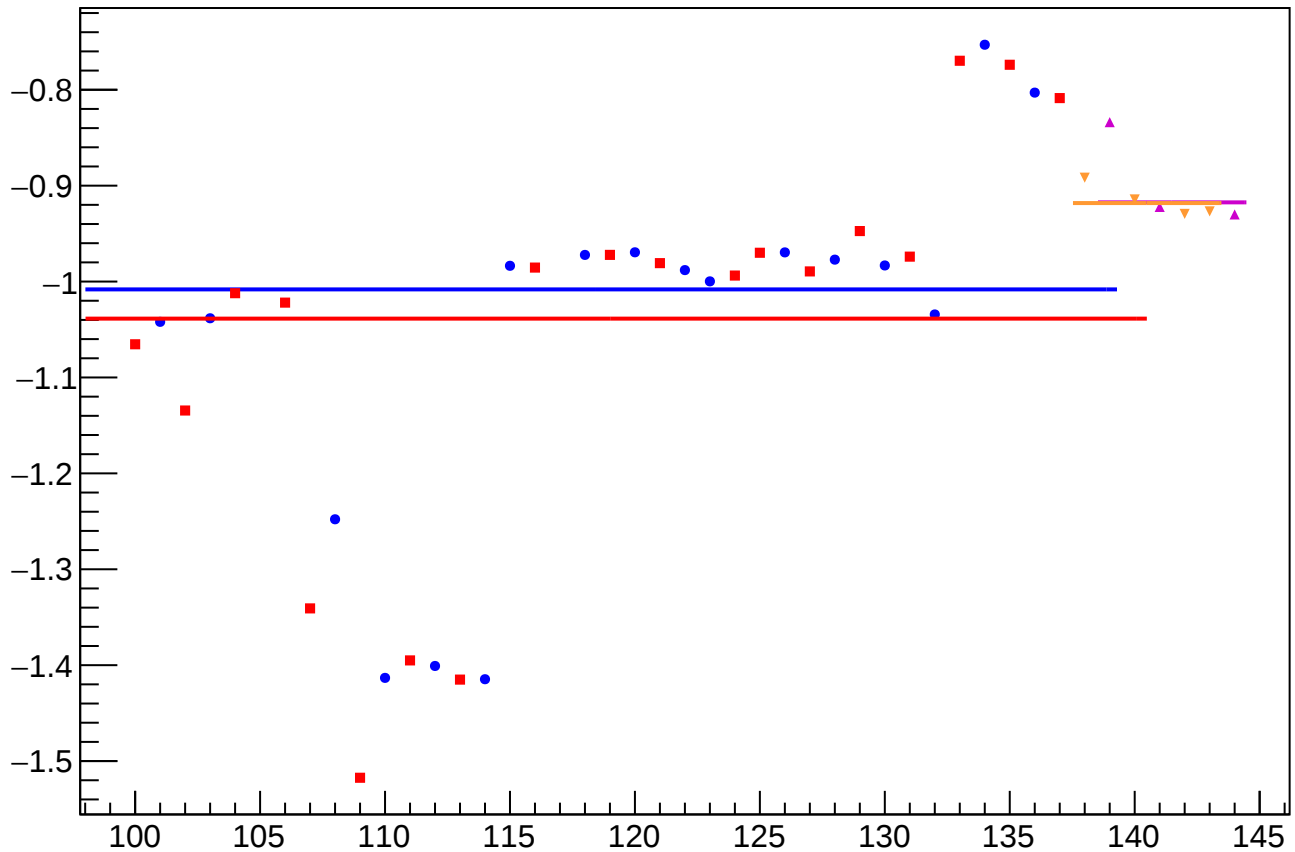
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:22703.9/2

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1367145.1/20

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2712783.6/42

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1341961.7/21

yield_bpm4acX_mean vs Slug



Right In: -1.008+/-0.000 χ^2/NDF : 393095883.4/16

Left Out: -0.918+/-0.000 χ^2/NDF : 859524.4/3

Right Out: -1.039+/-0.000 χ^2/NDF : 534509069.6/18

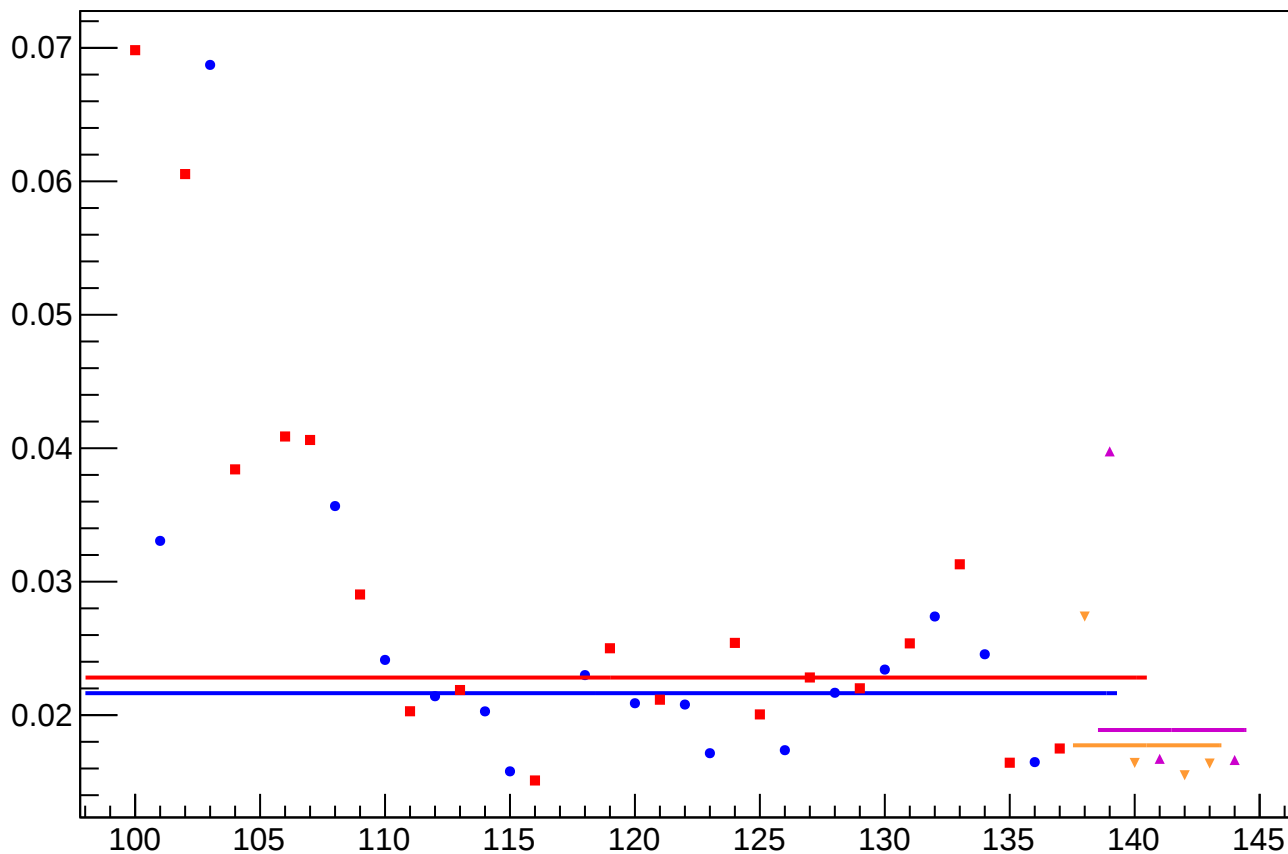
Left In: -0.917+/-0.000 χ^2/NDF : 3592287.6/2

+ sign -0.977+/-0.000 χ^2/NDF : 423917917.3/20

All: -0.988+/-0.000 χ^2/NDF : 1013826545.2/4

- sign -1.000+/-0.000 χ^2/NDF : 585854052.9/21

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 983373.6/16

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:171736.2/3

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1150694.3/18

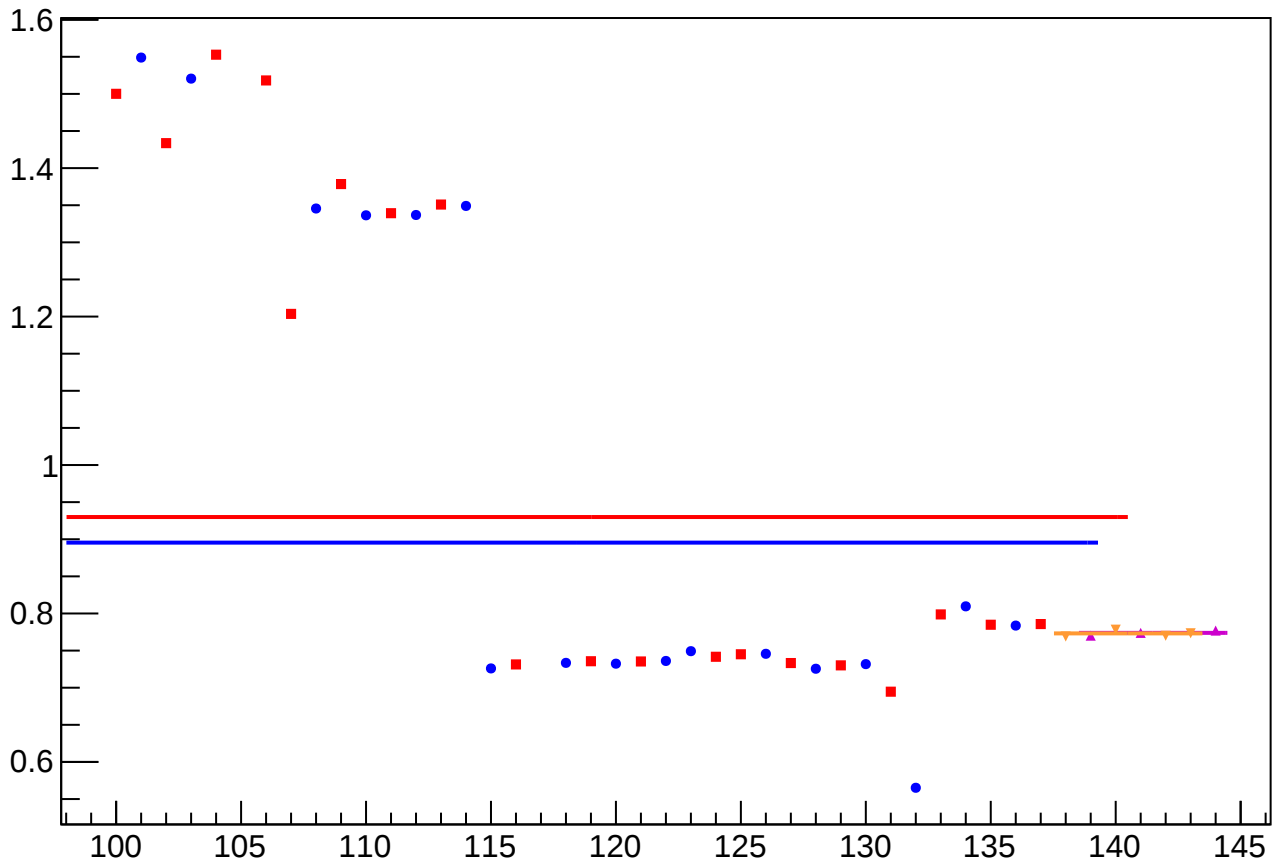
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:439601.1/2

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1267956.5/20

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 2983545.4/42

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 1690702.4/21

yield_bpm4acY_mean vs Slug



Right In: 0.895+/-0.000 χ^2/NDF : 2392918091.7/16

Left Out: 0.773+/-0.000 χ^2/NDF :258086.4/3

Right Out: 0.930+/-0.000 χ^2/NDF : 2420081209.6/18

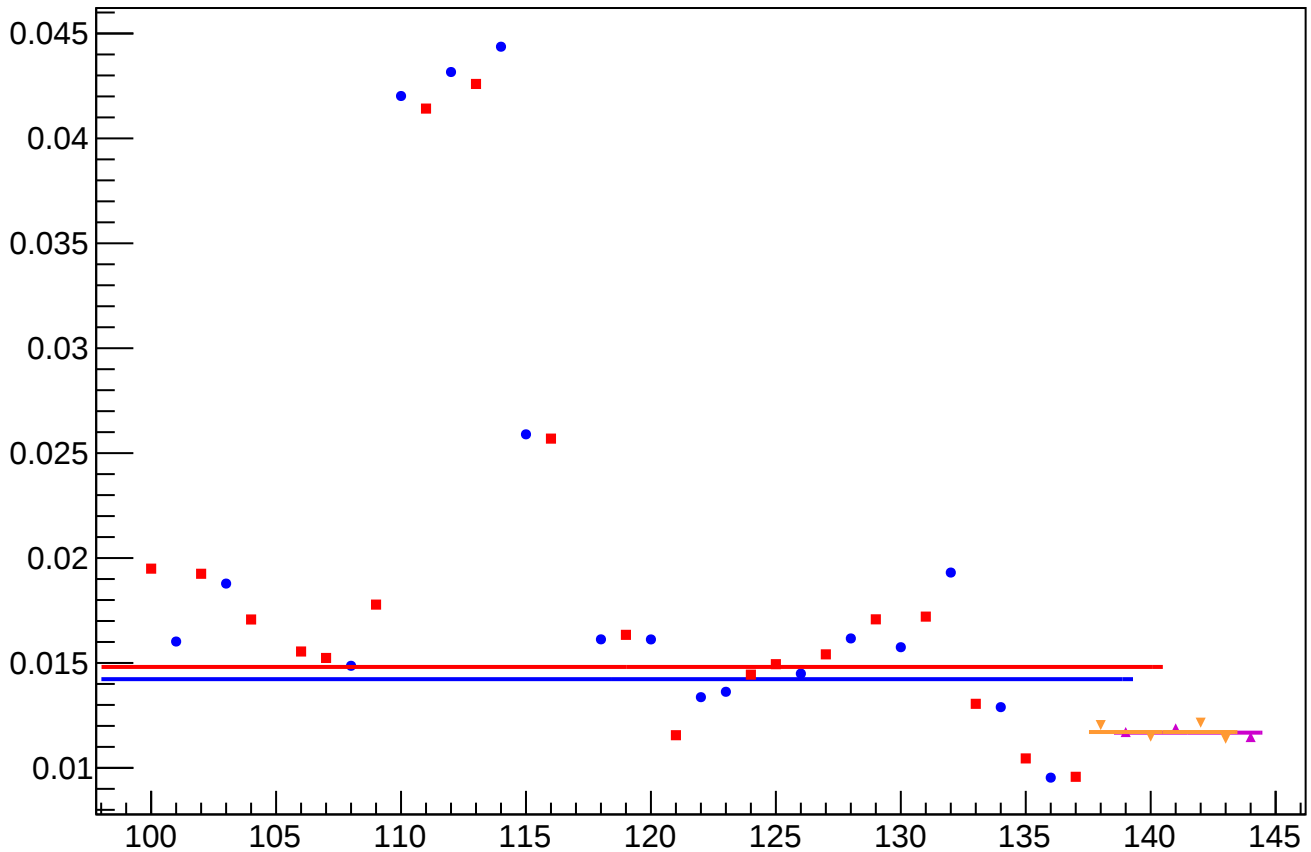
Left In: 0.774+/-0.000 χ^2/NDF :133522.1/2

+ sign 0.847+/-0.000 χ^2/NDF : 2557730510.1/20

All: 0.858+/-0.000 χ^2/NDF : 5246589181.8/42

- sign 0.869+/-0.000 χ^2/NDF : 2677107838.4/21

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1403945.8/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3756.9/3

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1267250.0/18

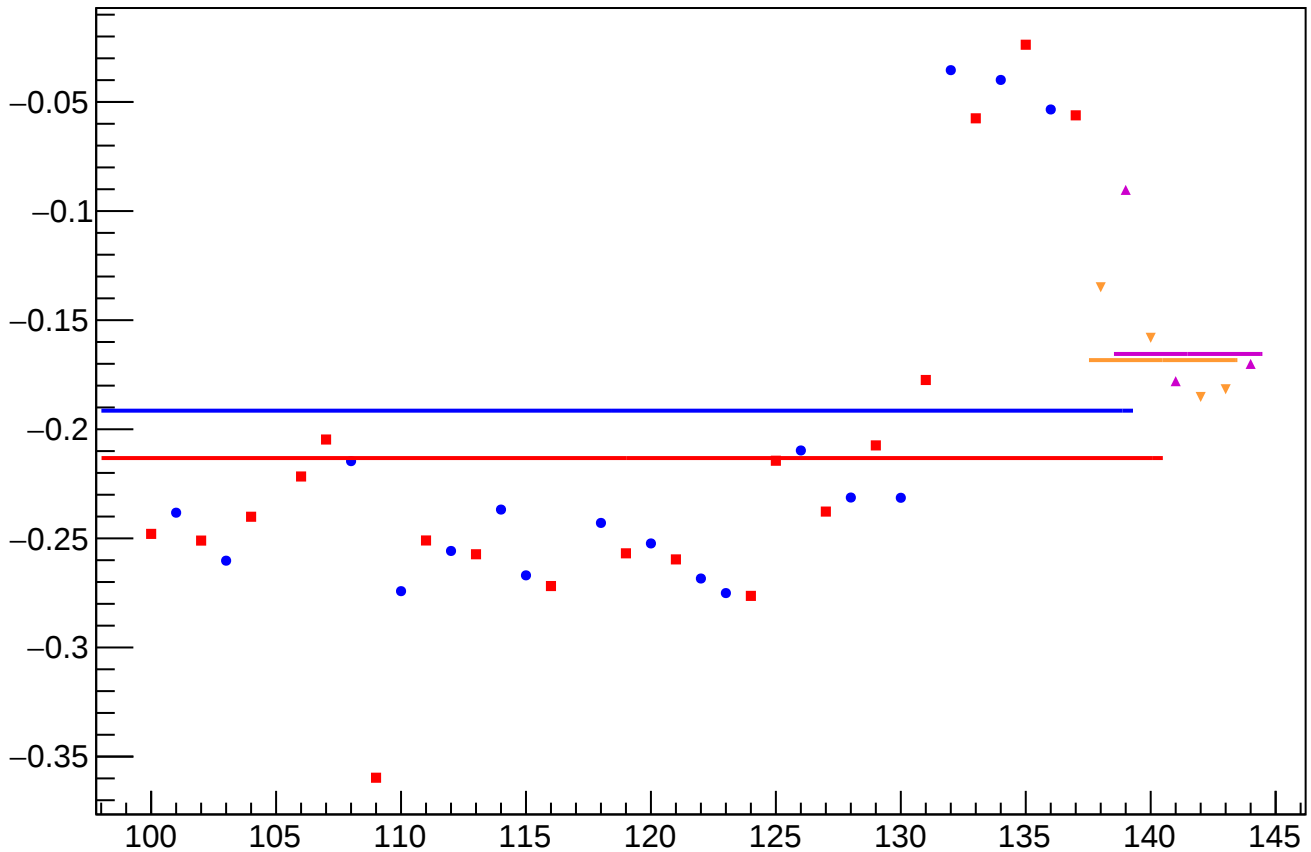
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1042.0/2

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1547368.2/20

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3028891.4/42

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1475194.7/21

yield_bpm4ecX_mean vs Slug



Right In: -0.191+/-0.000 χ^2/NDF : 105957051.0/16

Left Out: -0.168+/-0.000 χ^2/NDF : 1848709.8/3

Right Out: -0.213+/-0.000 χ^2/NDF : 109604825.2/18

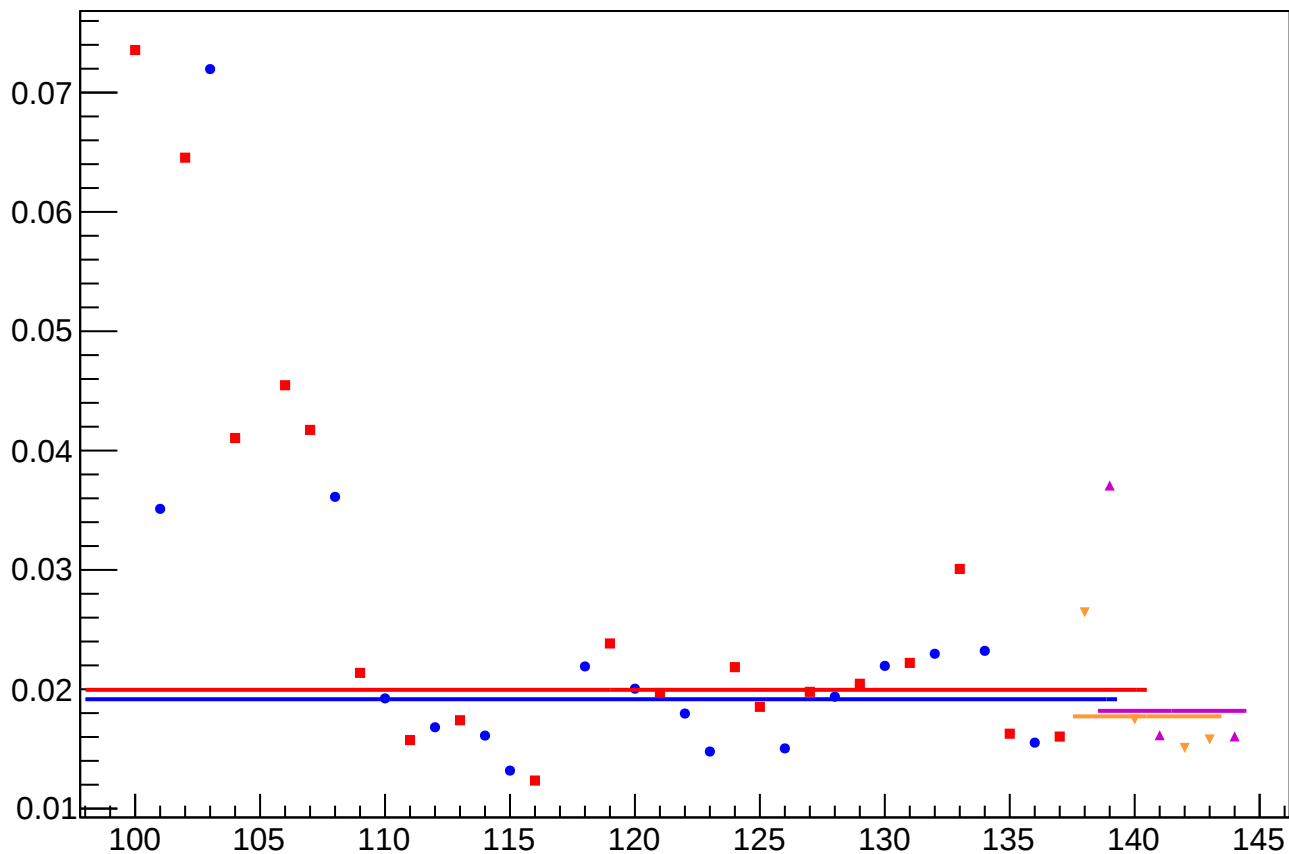
Left In: -0.165+/-0.000 χ^2/NDF : 3358811.2/2

+ sign -0.184+/-0.000 χ^2/NDF : 109982160.9/20

All: -0.192+/-0.000 χ^2/NDF : 233533164.3/42

- sign -0.199+/-0.000 χ^2/NDF : 121454208.5/21

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1183198.6/16

Left Out: 0.018+/-0.000 χ^2/NDF :163388.8/3

Right Out: 0.020+/-0.000 χ^2/NDF : 1442604.7/18

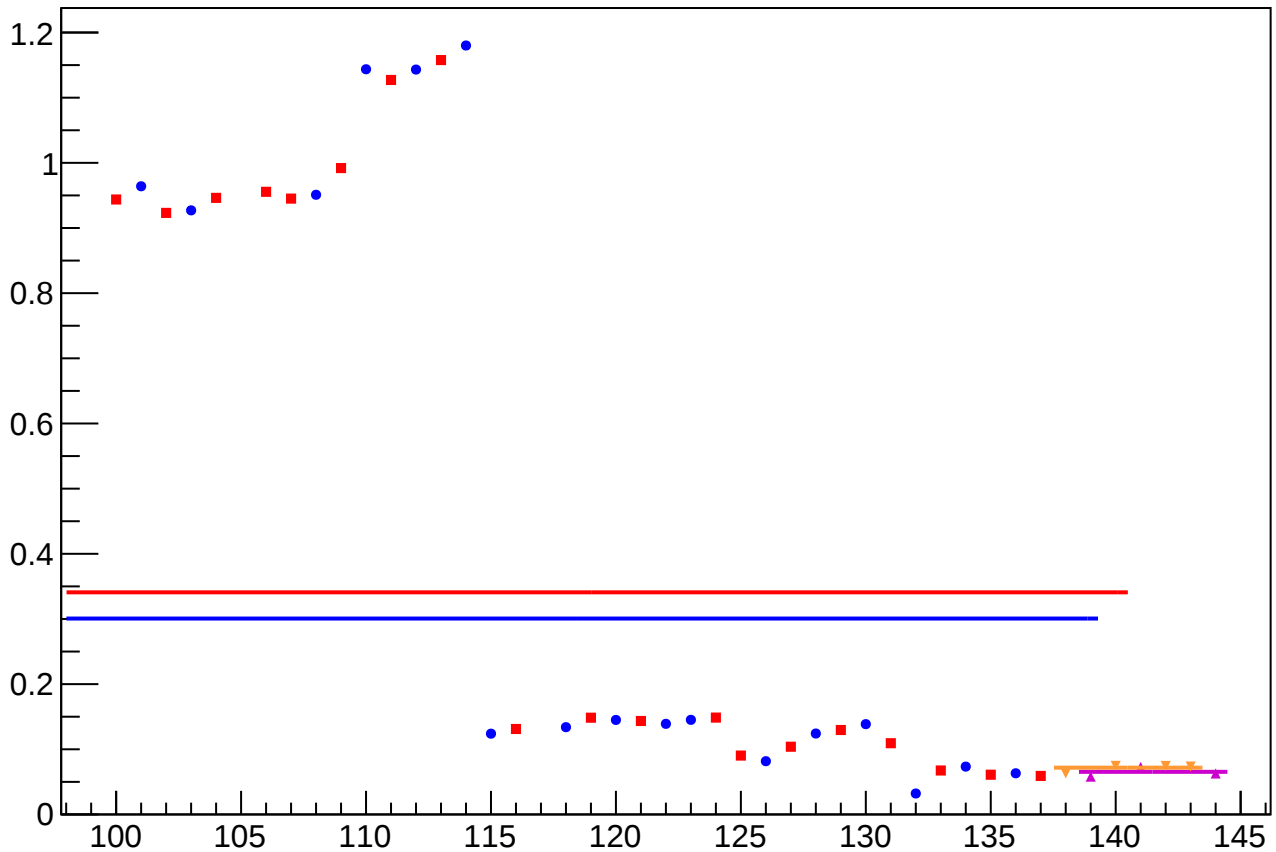
Left In: 0.018+/-0.000 χ^2/NDF :414422.3/2

+ sign 0.019+/-0.000 χ^2/NDF : 1363319.2/20

All: 0.019+/-0.000 χ^2/NDF : 3252992.7/42

- sign 0.019+/-0.000 χ^2/NDF : 1880158.8/21

yield_bpm4ecY_mean vs Slug



Right In: 0.301 $\pm$ 0.000 χ^2 /NDF: 5169454550.2/16

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:423349.6/3

+ sign 0.221 $\pm$ 0.000 χ^2 /NDF: 5865012278.5/20

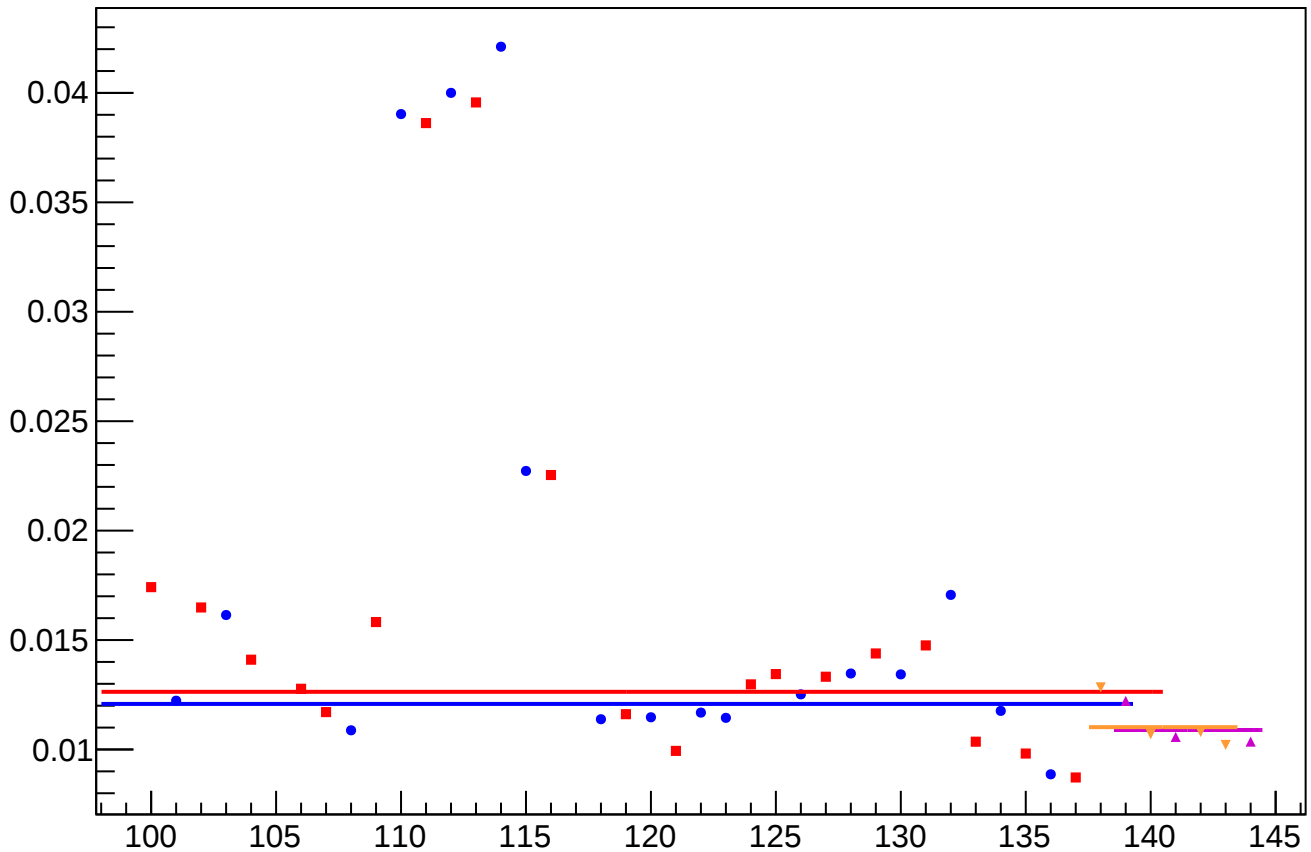
Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5465725389.6/18

All: 0.233 $\pm$ 0.000 χ^2 /NDF: 12313175644.3/4

- sign 0.246 $\pm$ 0.000 χ^2 /NDF: 6431397180.5/21

Left In: 0.065 $\pm$ 0.000 χ^2 /NDF:711409.3/2

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1275060.9/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:38005.0/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1234267.8/18

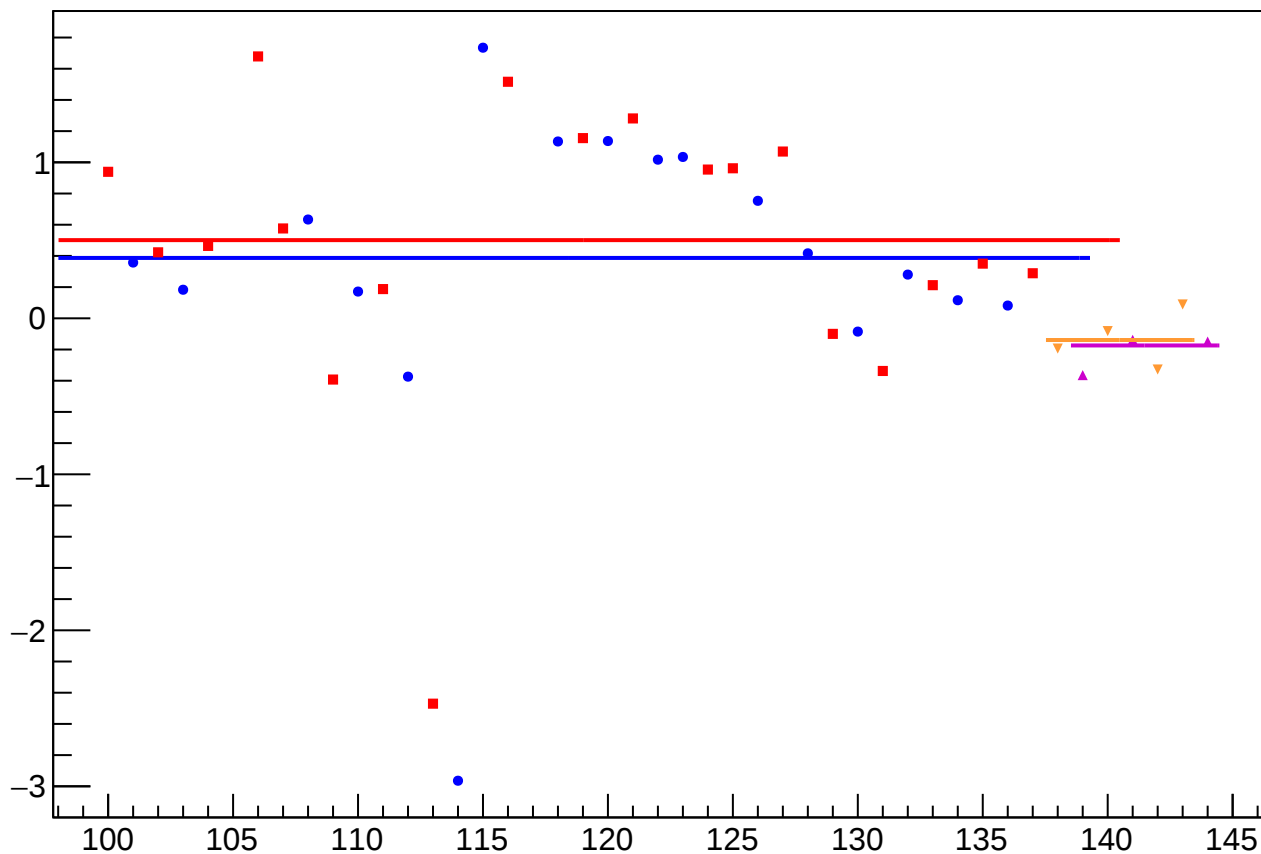
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:22373.2/2

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1342985.6/20

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2682802.9/42

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1334035.5/21

yield_bpm1X_mean vs Slug



Right In: 0.387 ± 0.000 χ^2/NDF : 243730591.1/16

Left Out: -0.139 ± 0.000 χ^2/NDF : 8966964.4/3

Right Out: 0.501 ± 0.000 χ^2/NDF : 983060826.6/18

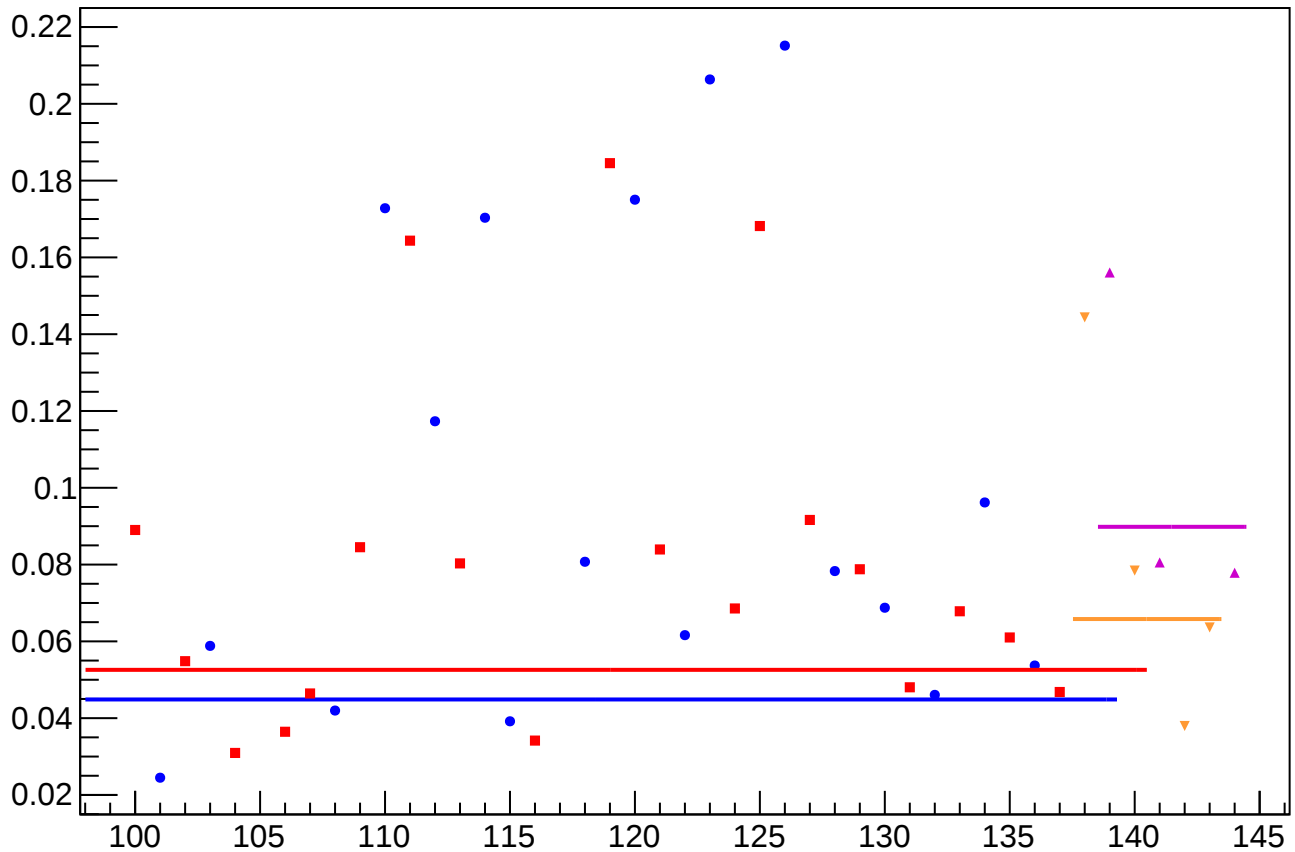
Left In: -0.174 ± 0.000 χ^2/NDF : 1091748.7/2

+ sign 0.306 ± 0.000 χ^2/NDF : 326810287.2/20

All: 0.360 ± 0.000 χ^2/NDF : 1399965641.9/42

- sign 0.426 ± 0.000 χ^2/NDF : 1060039449.5/21

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2772873.5/16

Left Out: 0.066+/-0.000 χ^2/NDF : 591129.5/3

Right Out: 0.053+/-0.000 χ^2/NDF : 2178932.6/18

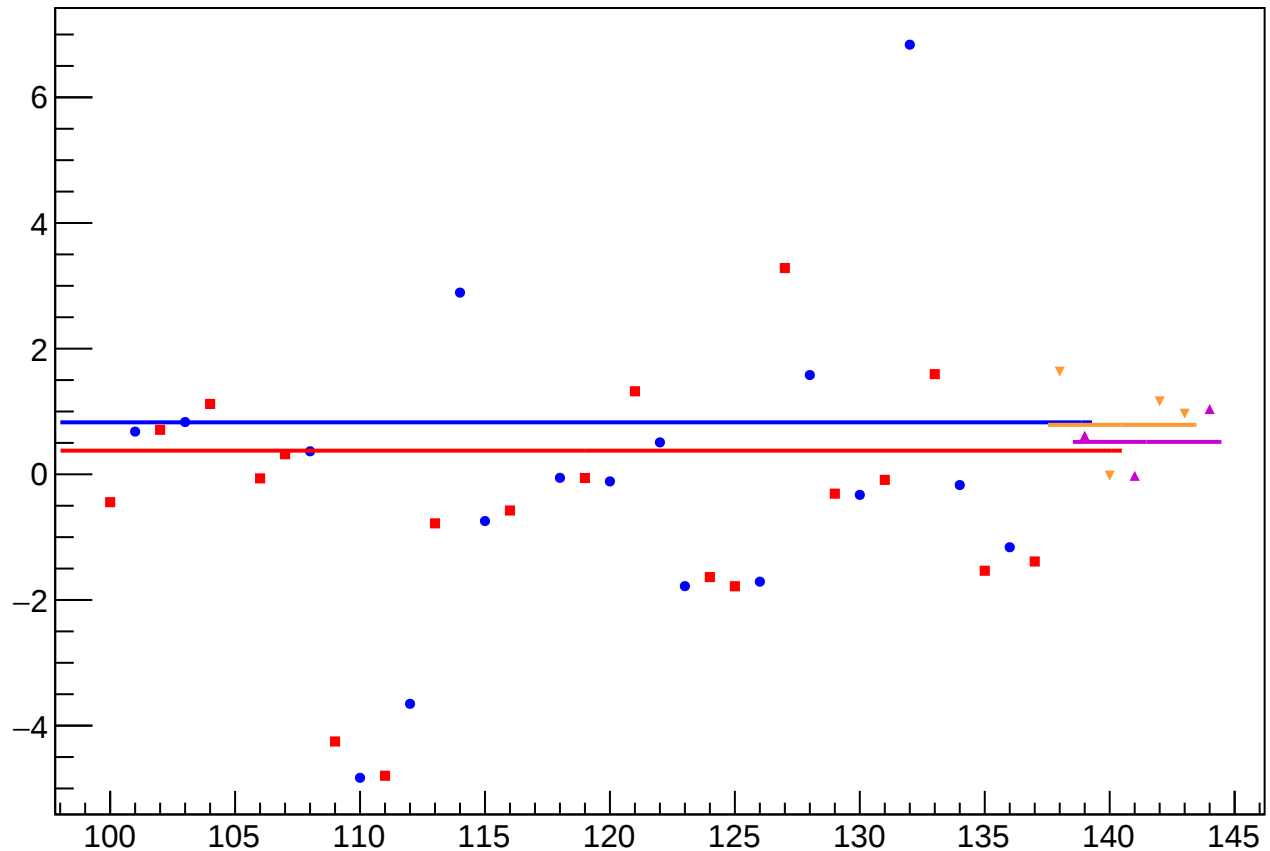
Left In: 0.090+/-0.000 χ^2/NDF : 264607.0/2

+ sign 0.048+/-0.000 χ^2/NDF : 3598916.6/20

All: 0.052+/-0.000 χ^2/NDF : 6643554.4/42

- sign 0.057+/-0.000 χ^2/NDF : 2905541.0/21

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 $\chi^2/\text{NDF}: 10943374014.3/16$

Left Out: 0.788 ± 0.000 $\chi^2/\text{NDF}: 162384449.5/3$

Right Out: 0.377 ± 0.000 $\chi^2/\text{NDF}: 4942288775.5/18$

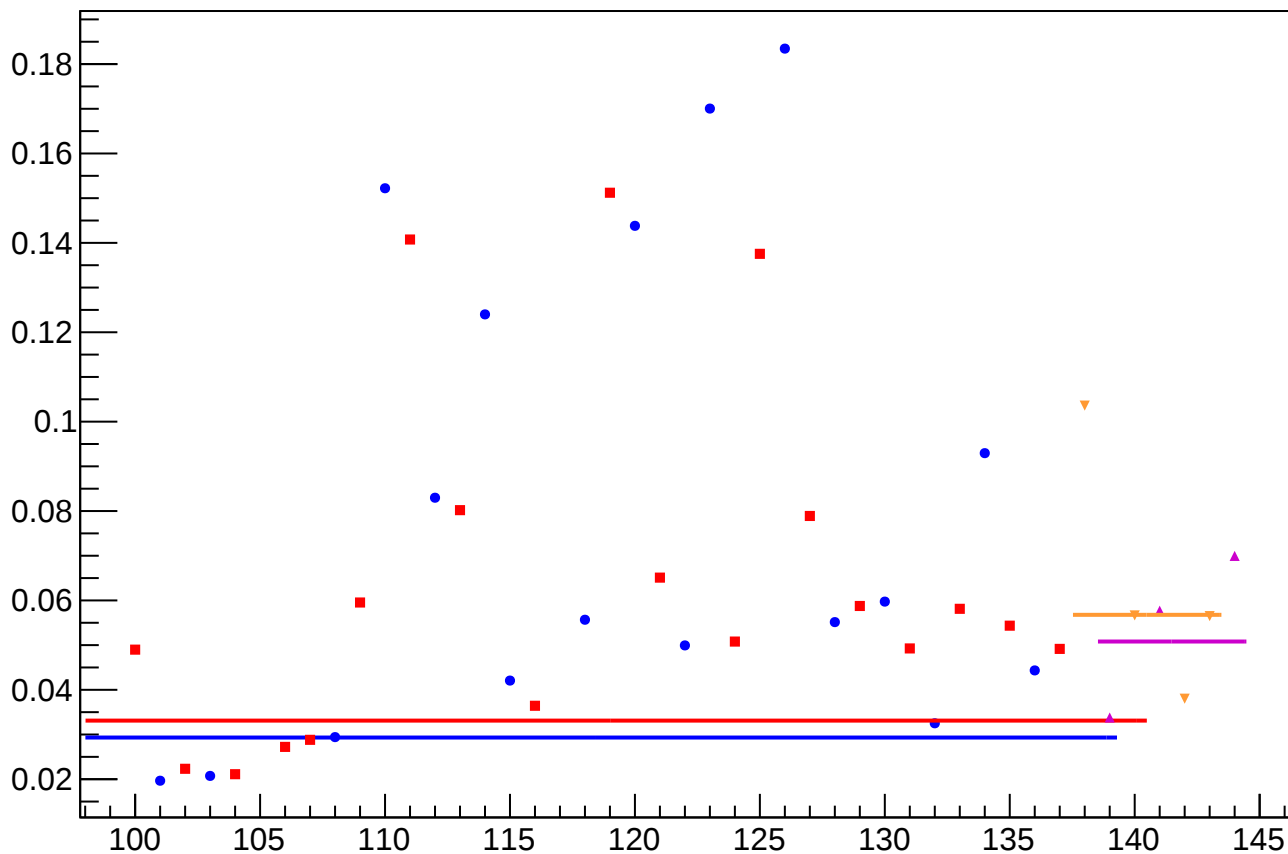
Left In: 0.516 ± 0.000 $\chi^2/\text{NDF}: 73741013.1/2$

+ sign 0.823 ± 0.000 $\chi^2/\text{NDF}: 11106411794.1/20$

All: 0.620 ± 0.000 $\chi^2/\text{NDF}: 16515182128.9/4$

- sign 0.392 ± 0.000 $\chi^2/\text{NDF}: 5023584009.7/21$

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2967975.9/16

Left Out: 0.057+/-0.000 χ^2/NDF :348770.1/3

Right Out: 0.033+/-0.000 χ^2/NDF : 3080799.9/18

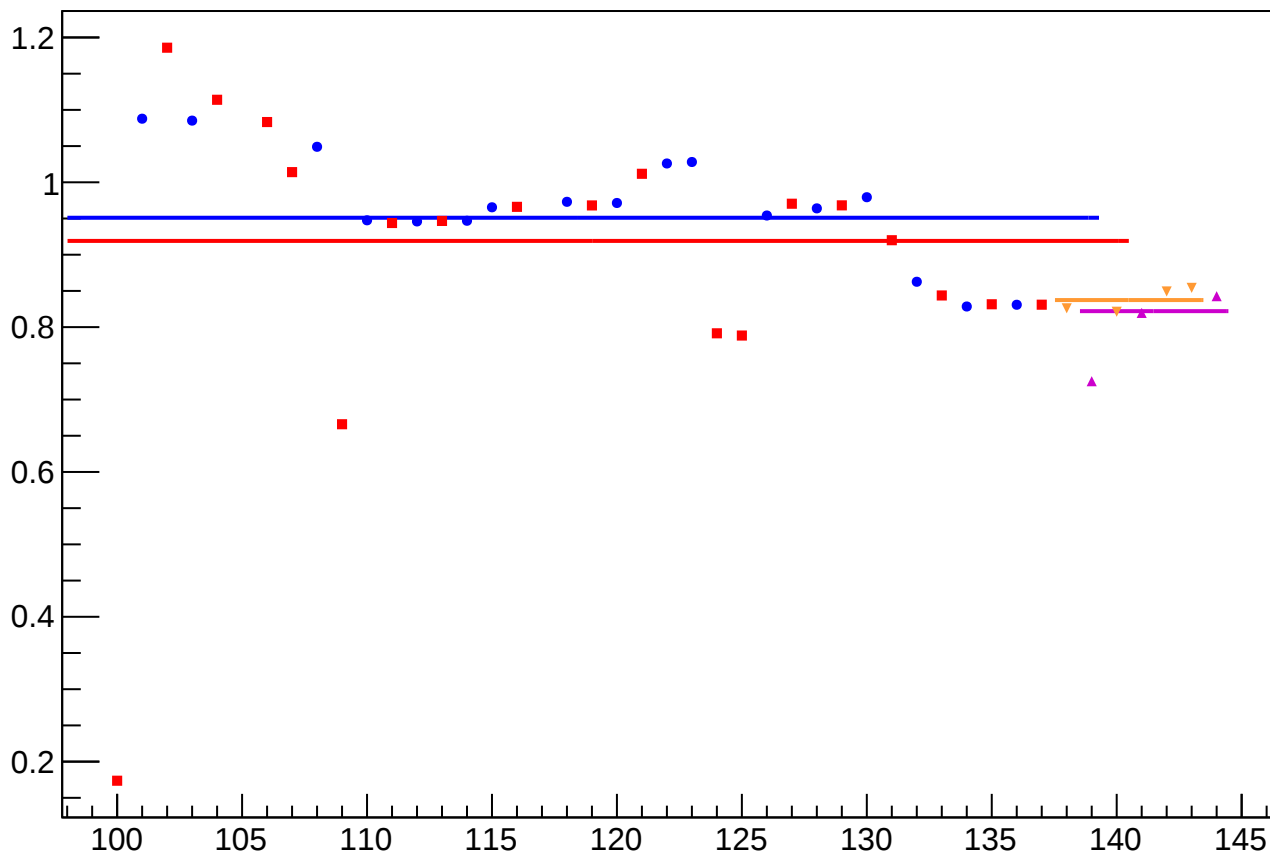
Left In: 0.051+/-0.000 χ^2/NDF :201634.7/2

+ sign 0.032+/-0.000 χ^2/NDF : 3947046.9/20

All: 0.034+/-0.000 χ^2/NDF : 7506216.2/42

- sign 0.035+/-0.000 χ^2/NDF : 3525770.2/21

yield_bpm11X_mean vs Slug



Right In: 0.951 $\pm$ 0.000 χ^2 /NDF: 174262904.5/16

Left Out: 0.837 $\pm$ 0.000 χ^2 /NDF: 3109466.2/3

Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374649317.1/18

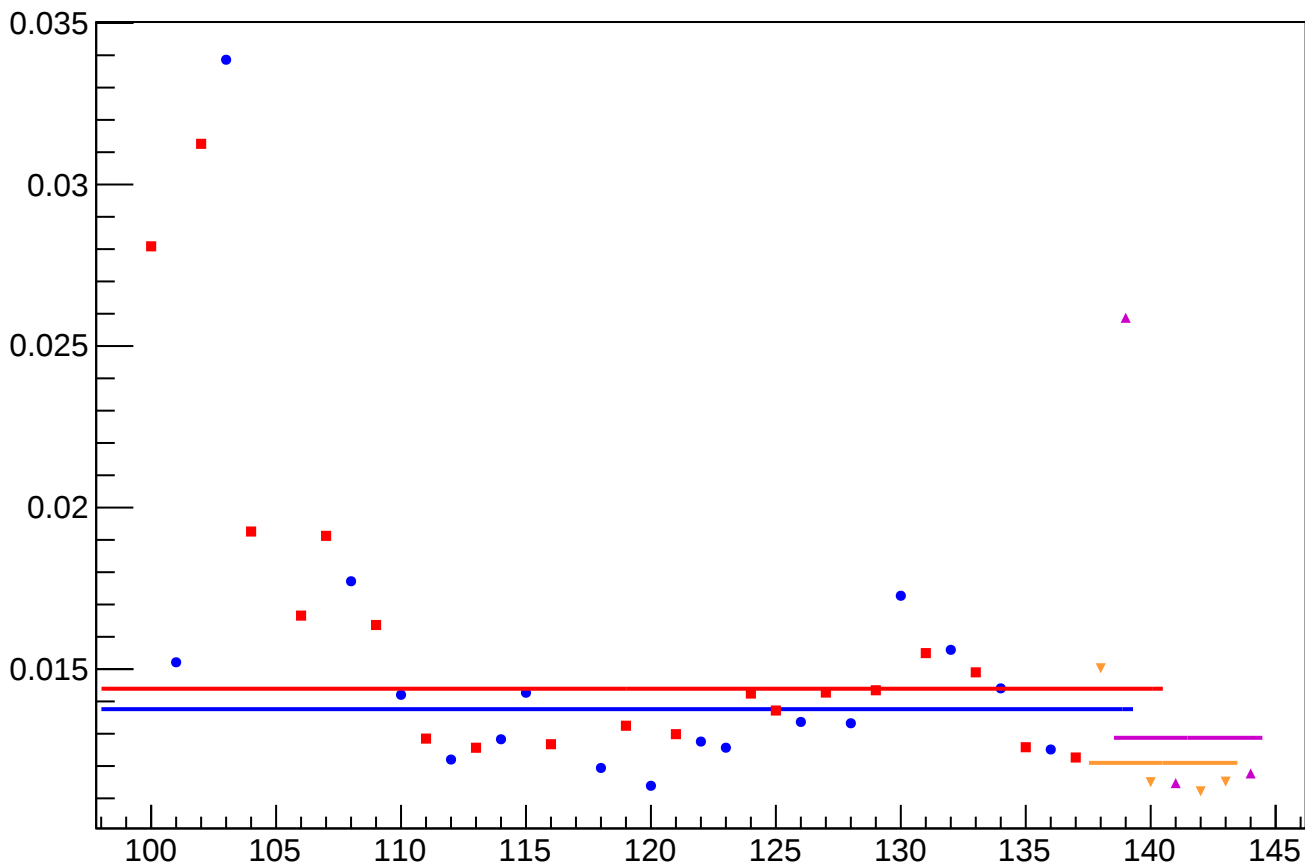
Left In: 0.822 $\pm$ 0.000 χ^2 /NDF: 12172907.7/2

+ sign 0.915 $\pm$ 0.000 χ^2 /NDF: 301906994.3/20

All: 0.903 $\pm$ 0.000 χ^2 /NDF: 780569485.0/42

- sign 0.891 $\pm$ 0.000 χ^2 /NDF: 466451534.3/21

yield_bpm11X_rms vs Slug



Right In: 0.014 ± 0.000 χ^2/NDF : 538388.7/16

Left Out: 0.012 ± 0.000 χ^2/NDF : 55045.9/3

Right Out: 0.014 ± 0.000 χ^2/NDF : 504068.1/18

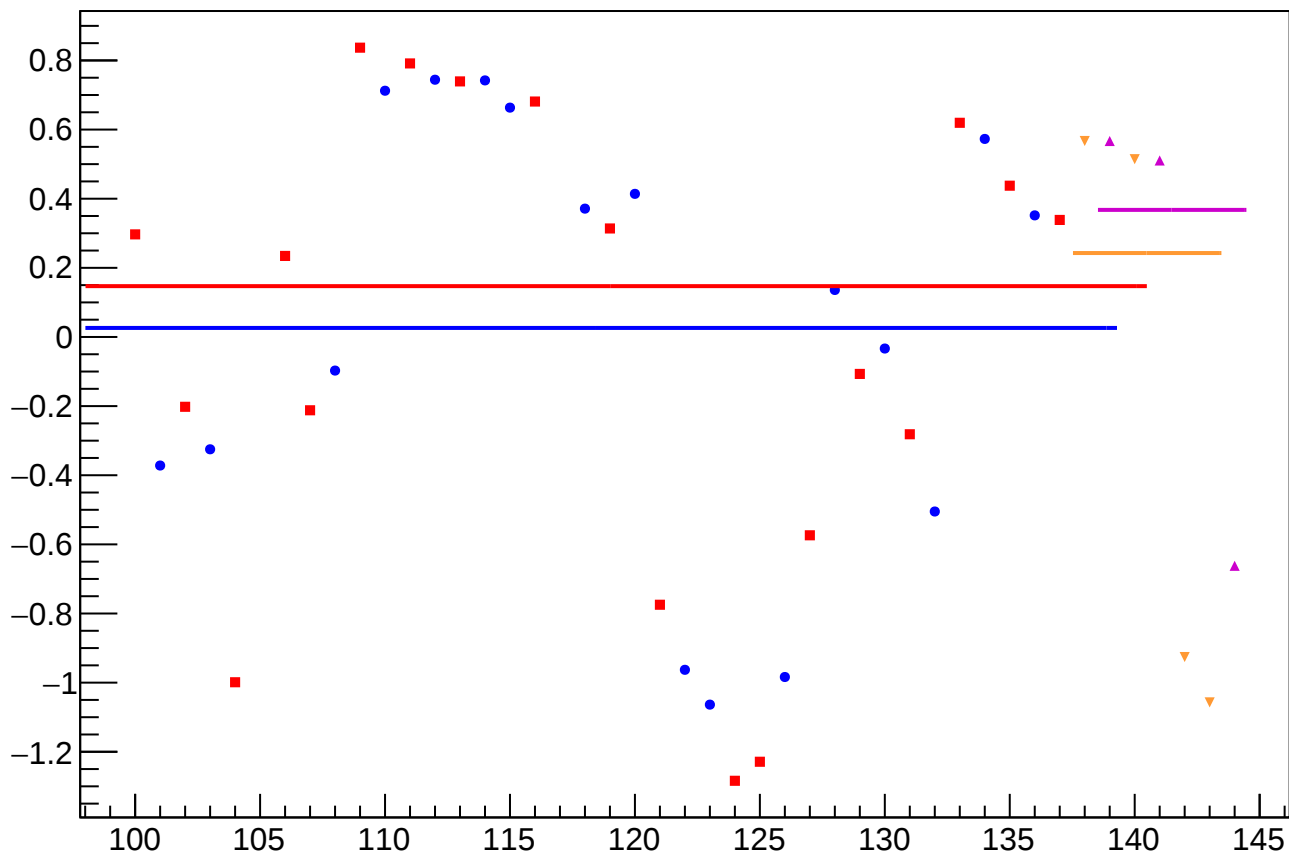
Left In: 0.013 ± 0.000 χ^2/NDF : 387711.6/2

+ sign 0.013 ± 0.000 χ^2/NDF : 646717.6/20

All: 0.014 ± 0.000 χ^2/NDF : 1599790.1/42

- sign 0.014 ± 0.000 χ^2/NDF : 930840.7/21

yield_bpm11Y_mean vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 6307097032.6/16

Left Out: 0.243 $\pm$ 0.000 χ^2 /NDF:10719820428.7/3

Right Out: 0.147 $\pm$ 0.000 χ^2 /NDF: 12778628282.5/18

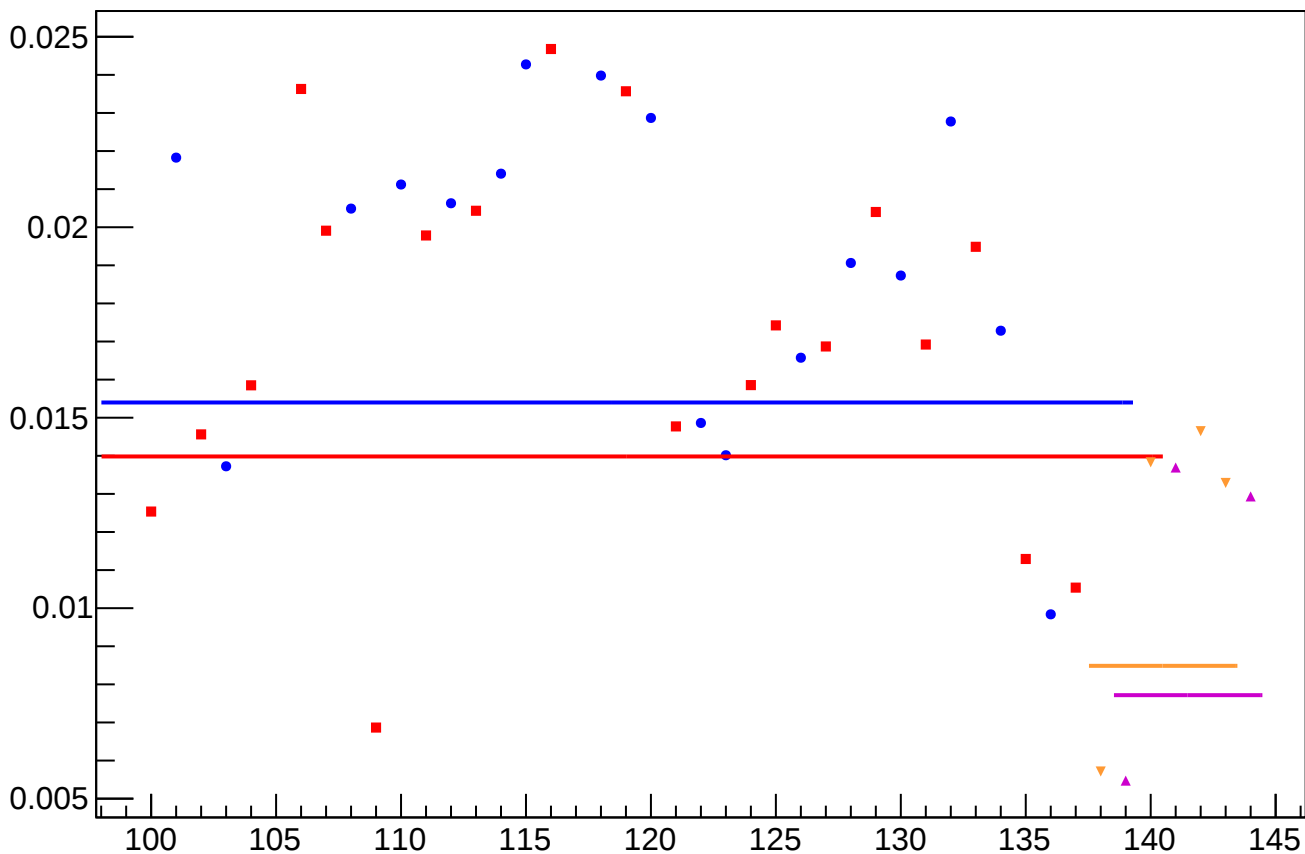
Left In: 0.368 $\pm$ 0.000 χ^2 /NDF:6222978151.5/2

+ sign 0.142 $\pm$ 0.000 χ^2 /NDF: 17617978251.2/20

All: 0.208 $\pm$ 0.000 χ^2 /NDF: 37752517942.1/4

- sign 0.263 $\pm$ 0.000 χ^2 /NDF: 19732127229.7/21

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1140025.0/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:801930.6/3

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1557209.7/18

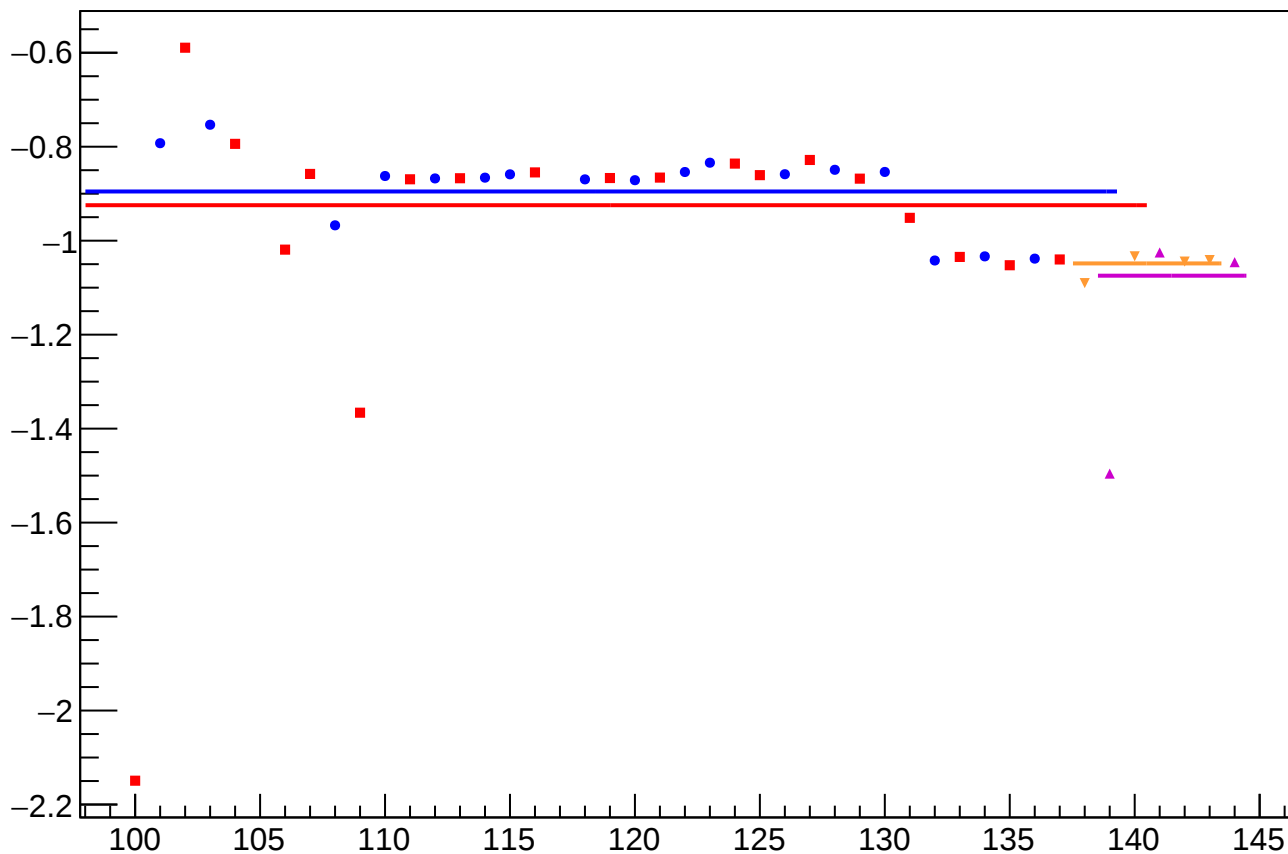
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:793128.2/2

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3145409.7/20

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 6730787.0/42

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3528965.8/21

yield_bpm12X_mean vs Slug



Right In: -0.895 ± 0.000 χ^2/NDF : 37924701.6/16

Left Out: -1.048 ± 0.000 χ^2/NDF : 905004.3/3

Right Out: -0.925 ± 0.000 χ^2/NDF : 128433305.9/18

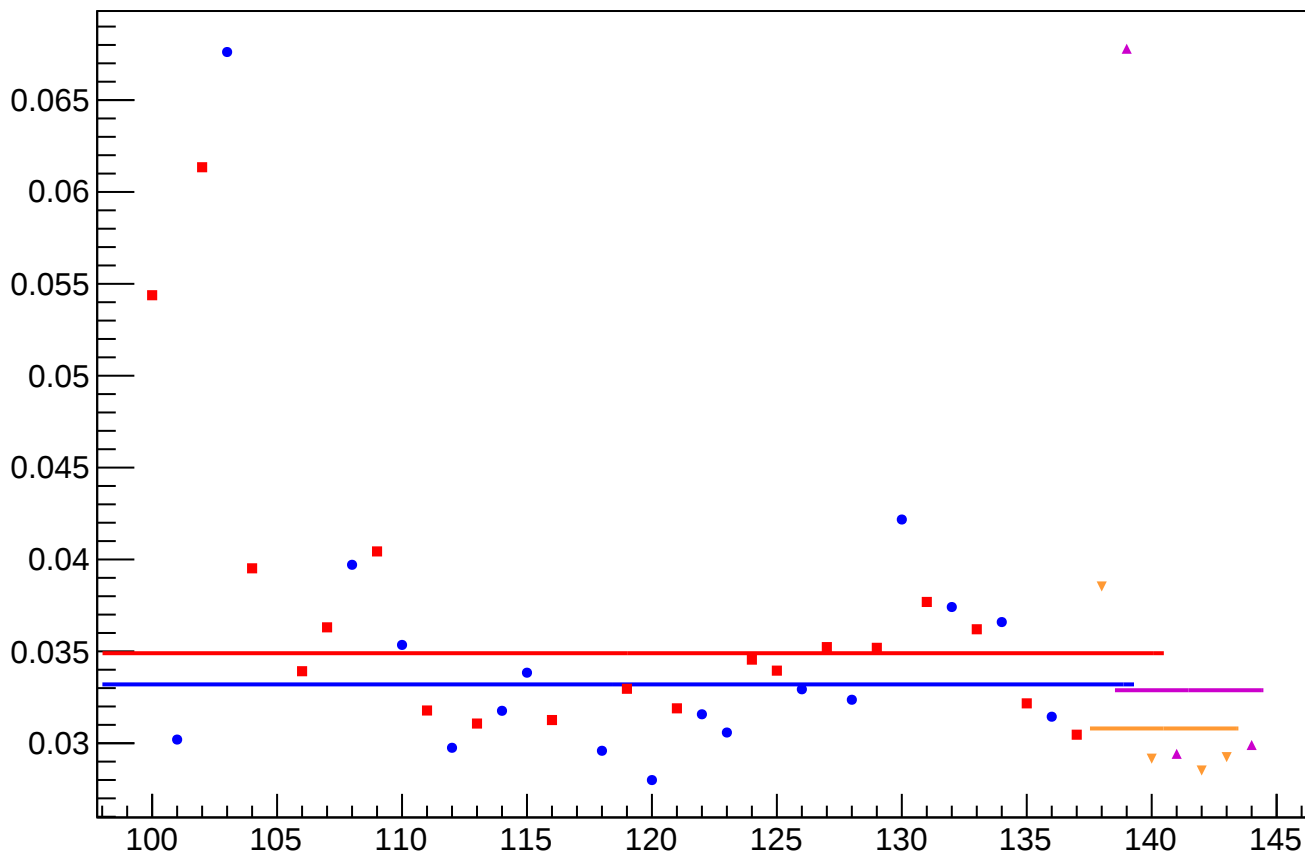
Left In: -1.075 ± 0.000 χ^2/NDF : 29659450.0/2

+ sign -0.940 ± 0.000 χ^2/NDF : 74636407.7/20

All: -0.951 ± 0.000 χ^2/NDF : 264737925.8/42

- sign -0.964 ± 0.000 χ^2/NDF : 187995029.7/21

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 399489.1/16

Left Out: 0.031+/-0.000 χ^2/NDF : 59160.0/3

Right Out: 0.035+/-0.000 χ^2/NDF : 275503.7/18

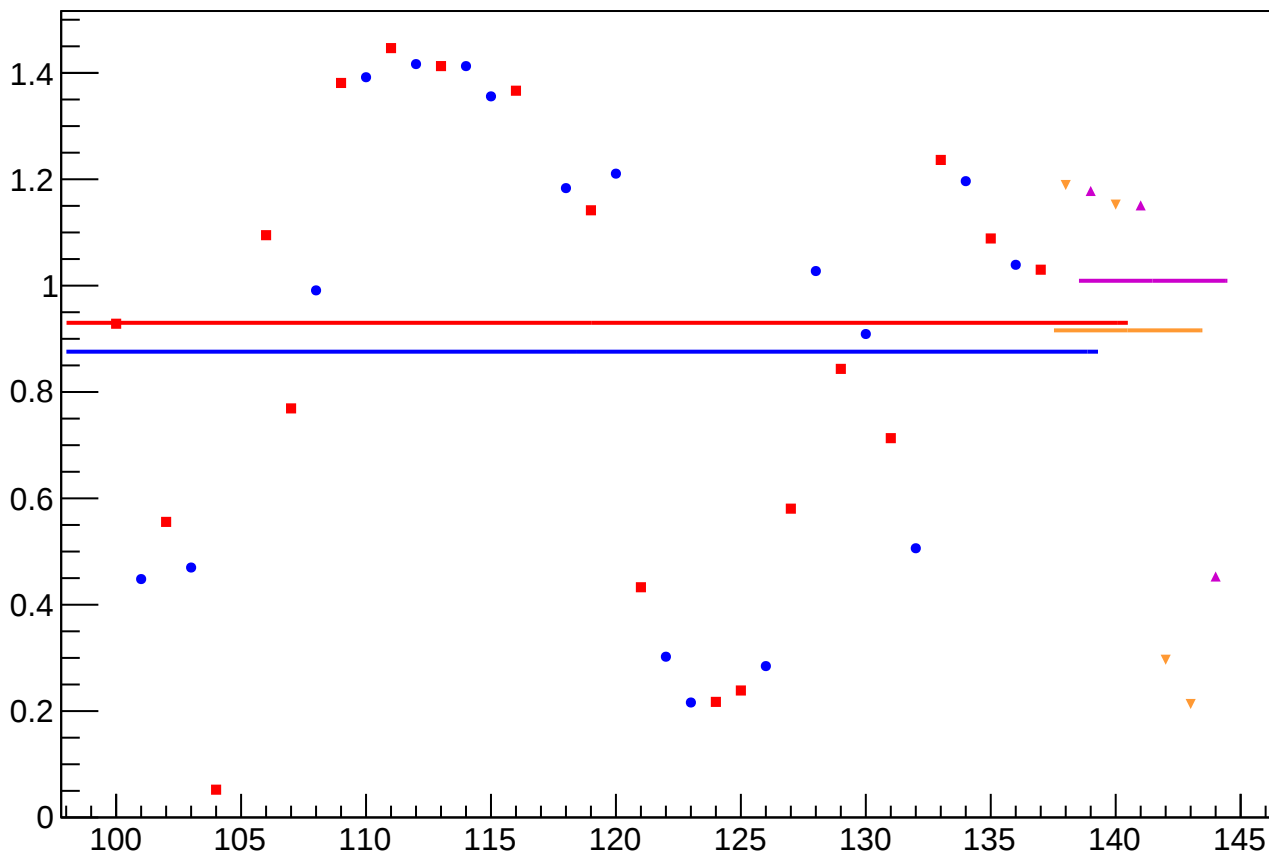
Left In: 0.033+/-0.000 χ^2/NDF : 405222.9/2

+ sign 0.033+/-0.000 χ^2/NDF : 476221.1/20

All: 0.033+/-0.000 χ^2/NDF : 1192393.5/42

- sign 0.034+/-0.000 χ^2/NDF : 691516.5/21

yield_bpm12Y_mean vs Slug



Right In: 0.876 $\pm$ 0.000 χ^2 /NDF: 6459481069.8/16

Left Out: 0.916 $\pm$ 0.000 χ^2 /NDF: 7894457667.9/3

Right Out: 0.930 $\pm$ 0.000 χ^2 /NDF: 9956405982.6/18

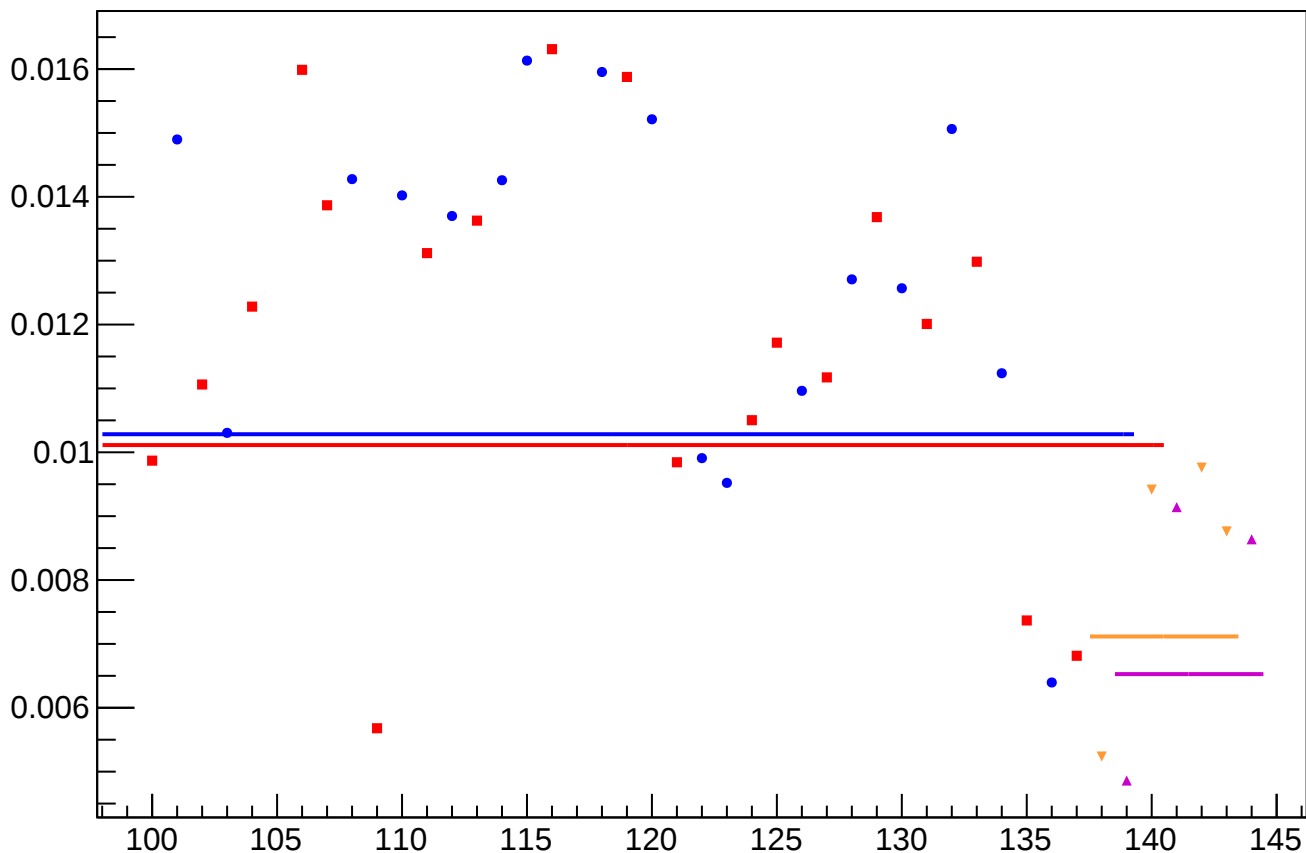
Left In: 1.009 $\pm$ 0.000 χ^2 /NDF: 4440877019.2/2

+ sign 0.894 $\pm$ 0.000 χ^2 /NDF: 14392457612.4/20

All: 0.932 $\pm$ 0.000 χ^2 /NDF: 29220786120.3/4

- sign 0.967 $\pm$ 0.000 χ^2 /NDF: 14562127892.6/21

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1205873.2/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:358853.3/3

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1173455.7/18

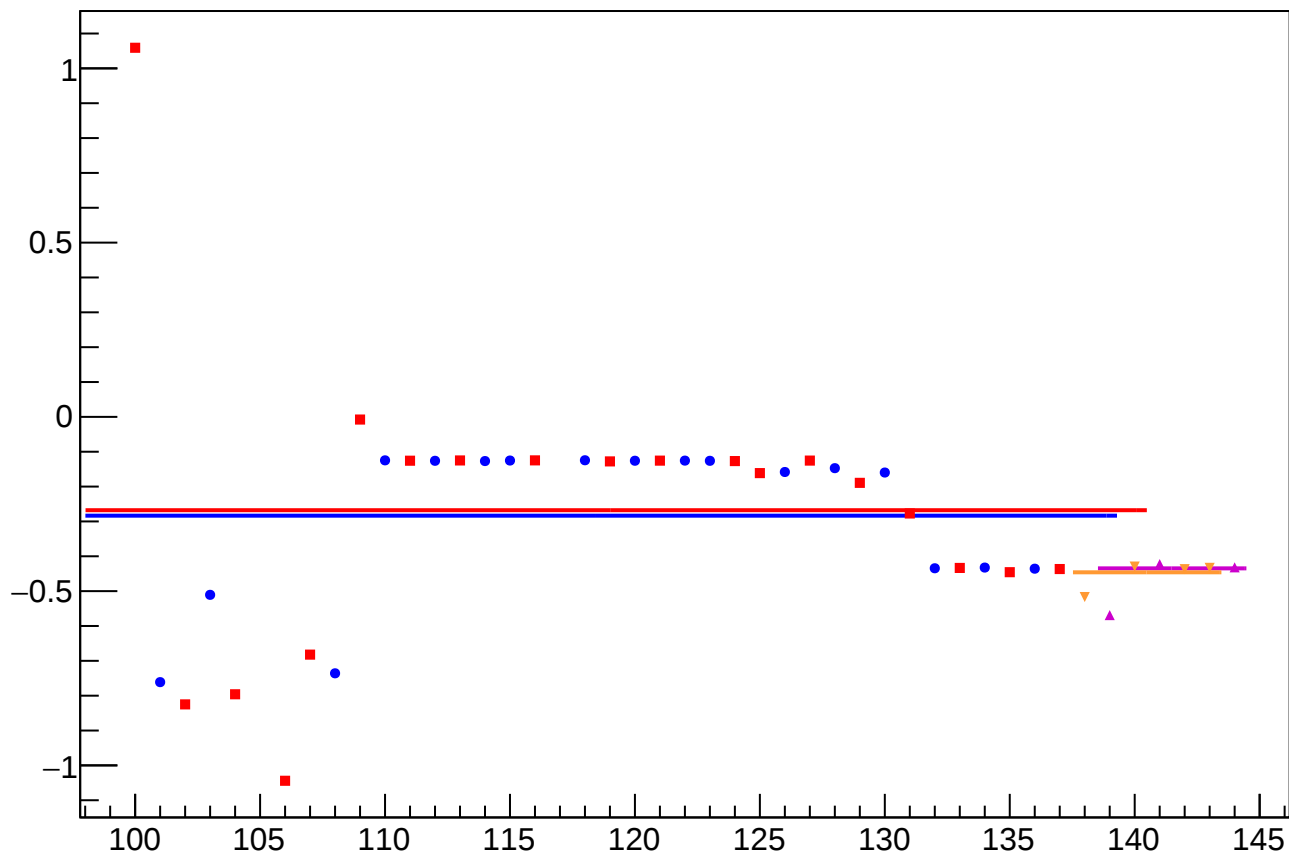
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:386273.4/2

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2045802.4/20

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4298596.5/42

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2238149.9/21

yield_bpm16X_mean vs Slug



Right In: -0.283+/-0.000 χ^2/NDF : 894148140.5/16

Left Out: -0.446+/-0.000 χ^2/NDF : 21854442.6/3

Right Out: -0.268+/-0.000 χ^2/NDF : 965641428.6/18

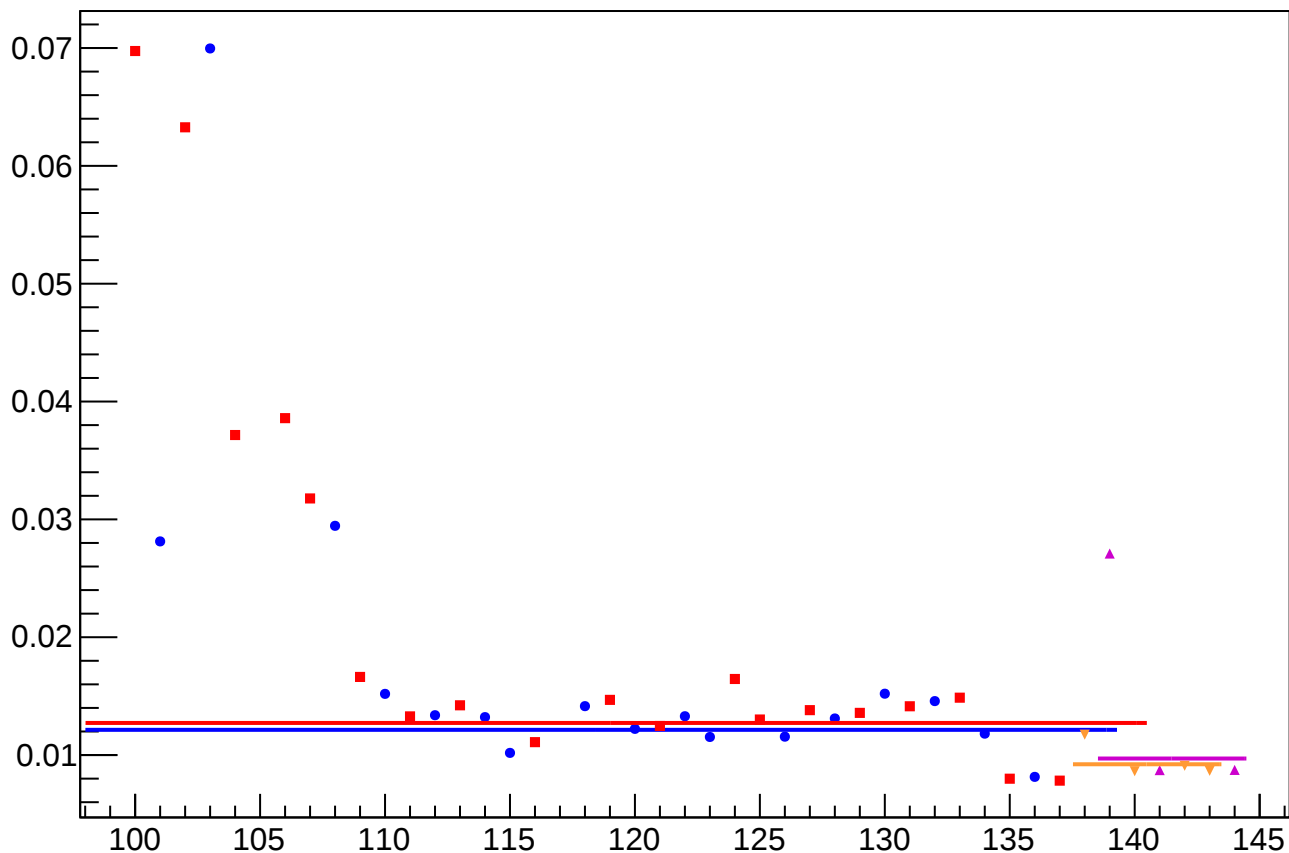
Left In: -0.435+/-0.000 χ^2/NDF : 18717587.7/2

+ sign -0.351+/-0.000 χ^2/NDF : 1263662393.6/20

All: -0.342+/-0.000 χ^2/NDF : 2573100444.0/4

- sign -0.331+/-0.000 χ^2/NDF : 1299107872.4/21

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1720286.9/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:55725.9/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1968271.3/18

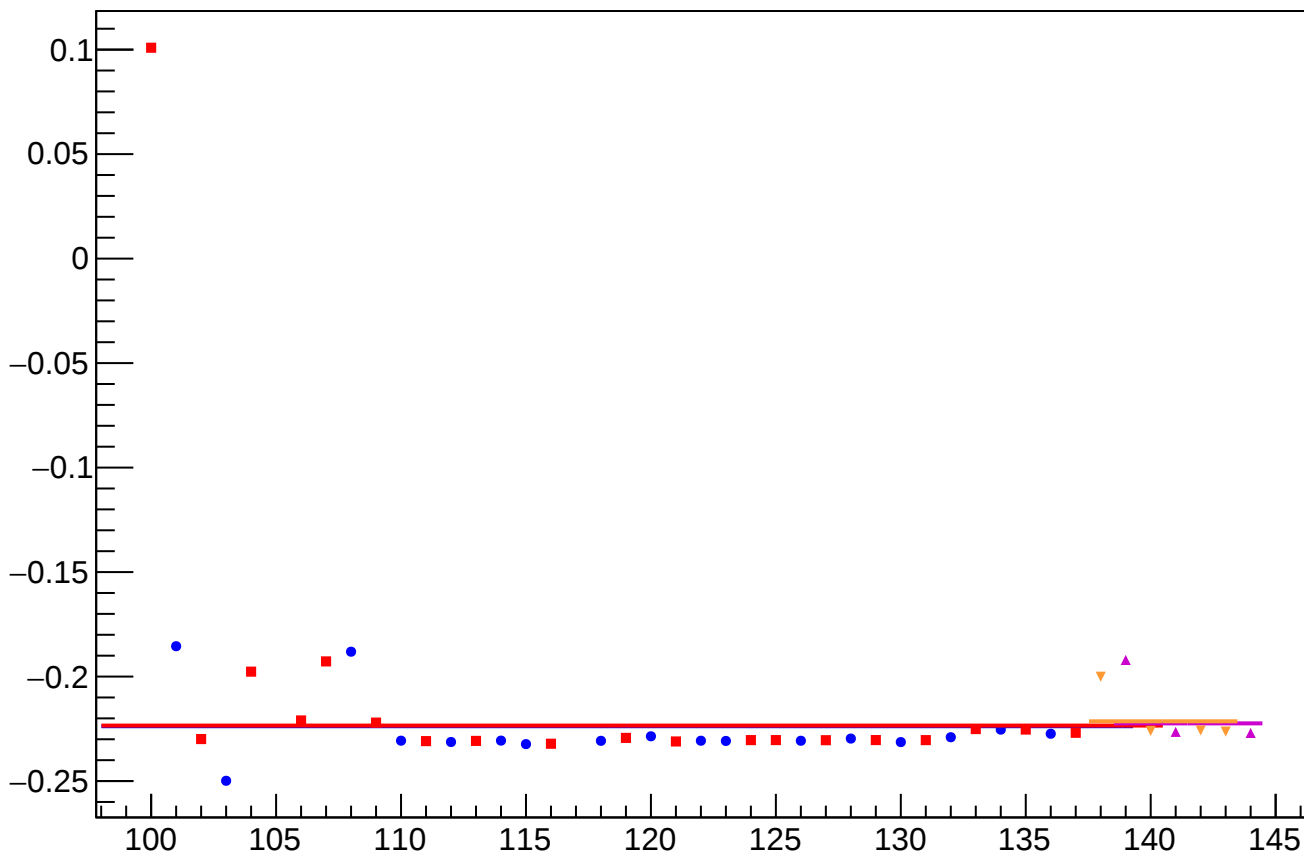
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:617534.7/2

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2000703.8/20

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4814536.7/42

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2791816.0/21

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74201194.4/16

Left Out: -0.221+/-0.000 χ^2/NDF : 11239924.2/3

Right Out: -0.223+/-0.000 χ^2/NDF : 167794506.7/18

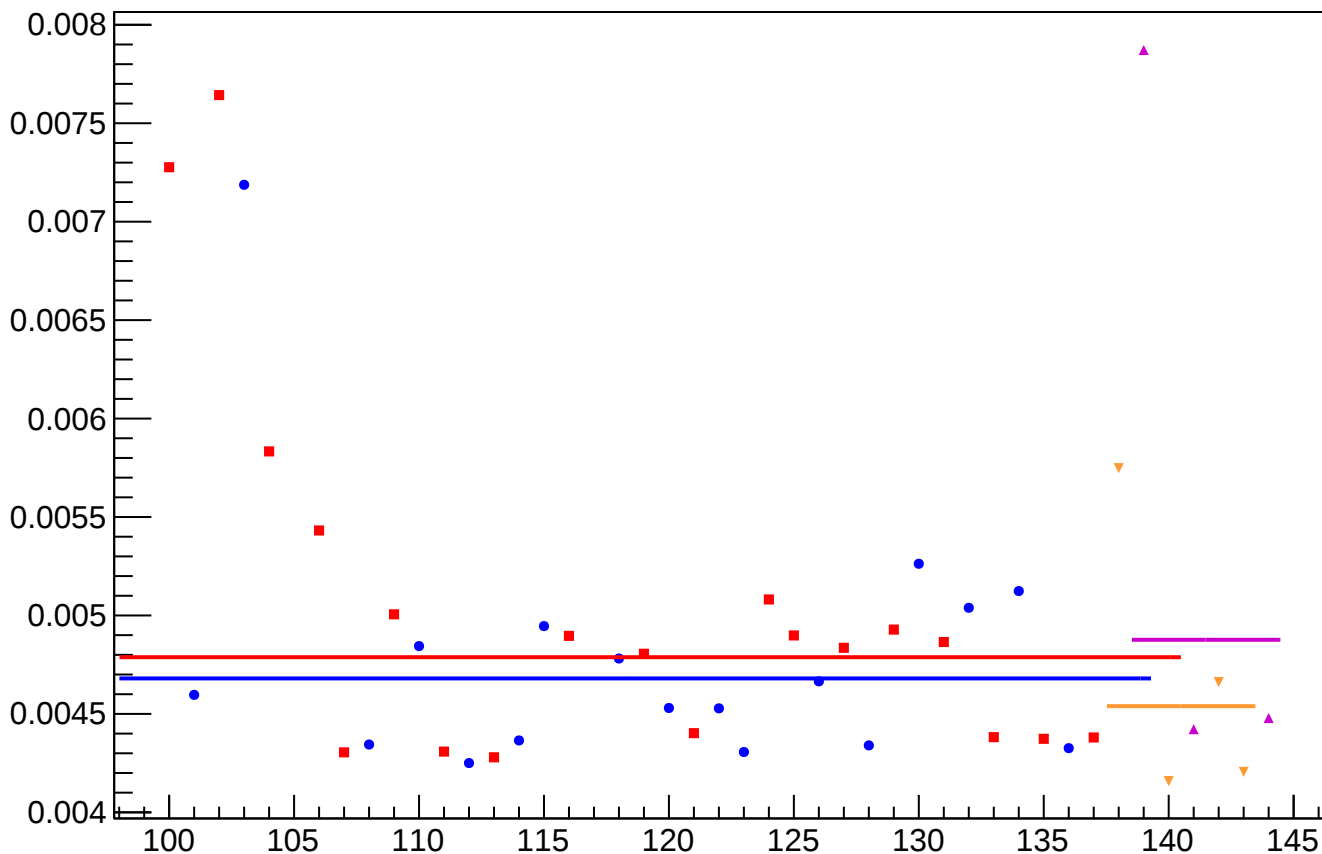
Left In: -0.222+/-0.000 χ^2/NDF : 11668041.4/2

+ sign -0.223+/-0.000 χ^2/NDF : 85883486.6/20

All: -0.223+/-0.000 χ^2/NDF : 265423003.9/42

- sign -0.223+/-0.000 χ^2/NDF : 179536792.9/21

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180080.7/16

Left Out: 0.005+/-0.000 χ^2/NDF : 78998.4/3

Right Out: 0.005+/-0.000 χ^2/NDF : 248599.9/18

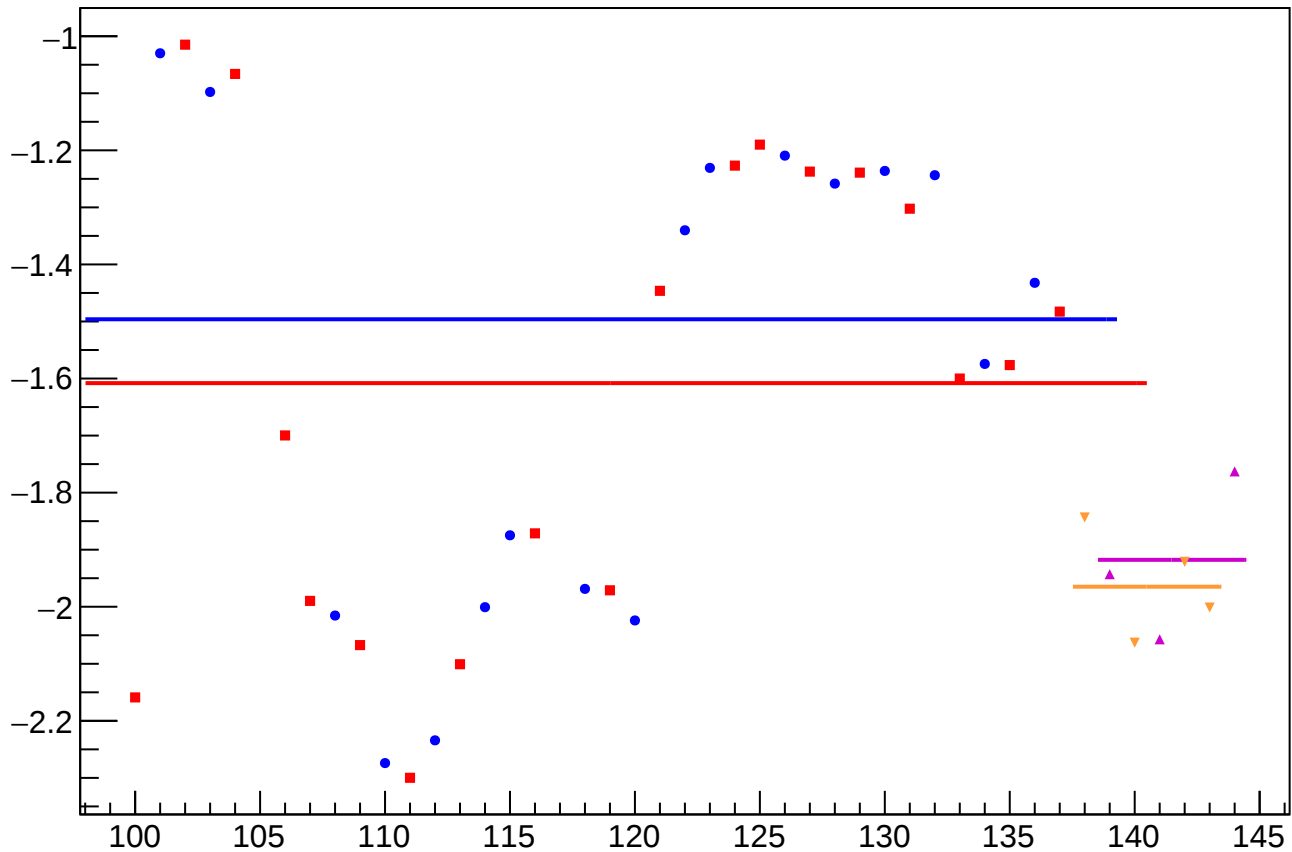
Left In: 0.005+/-0.000 χ^2/NDF : 227341.8/2

+ sign 0.005+/-0.000 χ^2/NDF : 262240.8/20

All: 0.005+/-0.000 χ^2/NDF : 750160.1/42

- sign 0.005+/-0.000 χ^2/NDF : 476999.2/21

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22454192322.7/16

Left Out: -1.965+/-0.000 χ^2/NDF : 653442155.7/3

Right Out: -1.608+/-0.000 χ^2/NDF : 27842216222.3/18

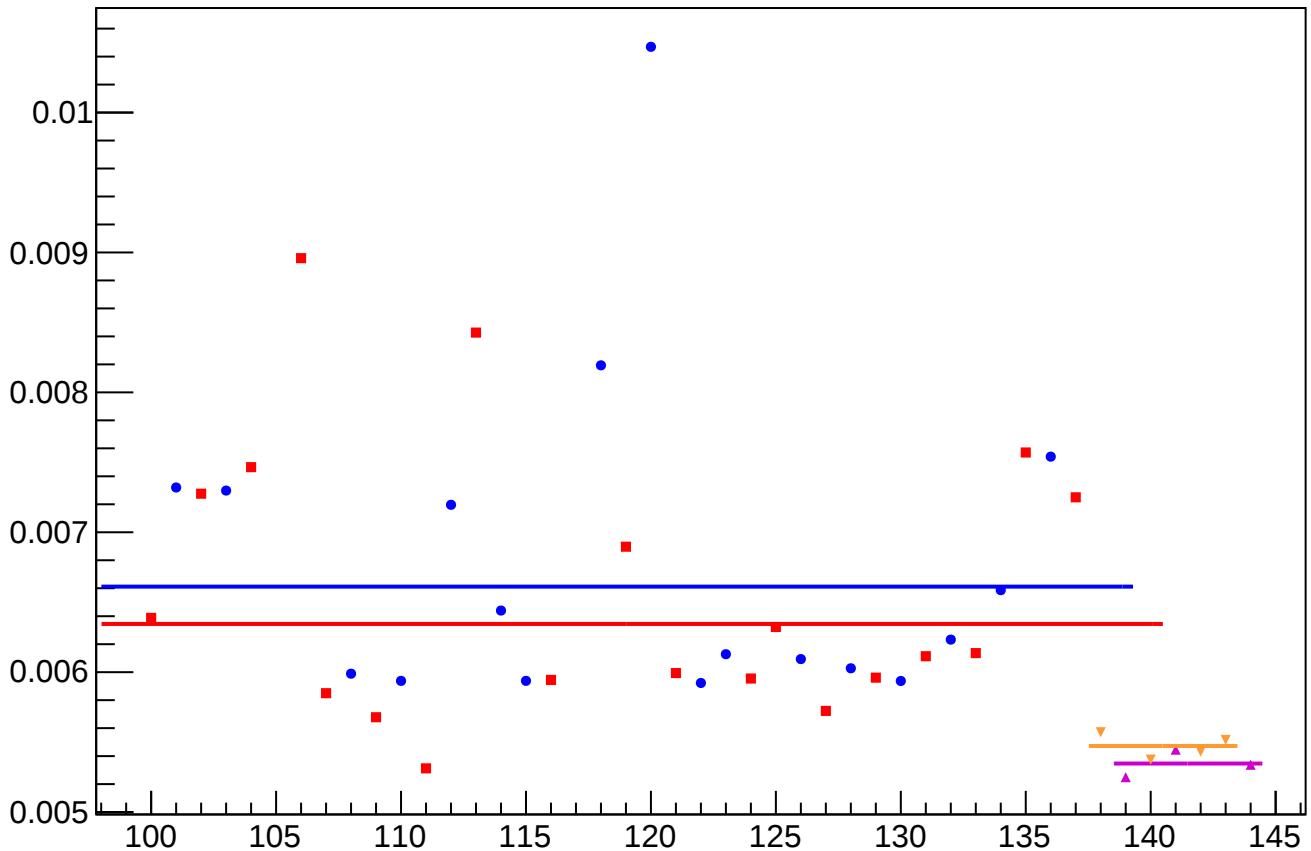
Left In: -1.918+/-0.000 χ^2/NDF : 1253563867.1/2

+ sign -1.675+/-0.000 χ^2/NDF : 34683751826.7/20

All: -1.694+/-0.000 χ^2/NDF : 69199771058.8

- sign -1.712+/-0.000 χ^2/NDF : 34354227790.2/21

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 199824.5/16

Left Out: 0.005+/-0.000 χ^2/NDF :1080.5/3

Right Out: 0.006+/-0.000 χ^2/NDF : 228249.0/18

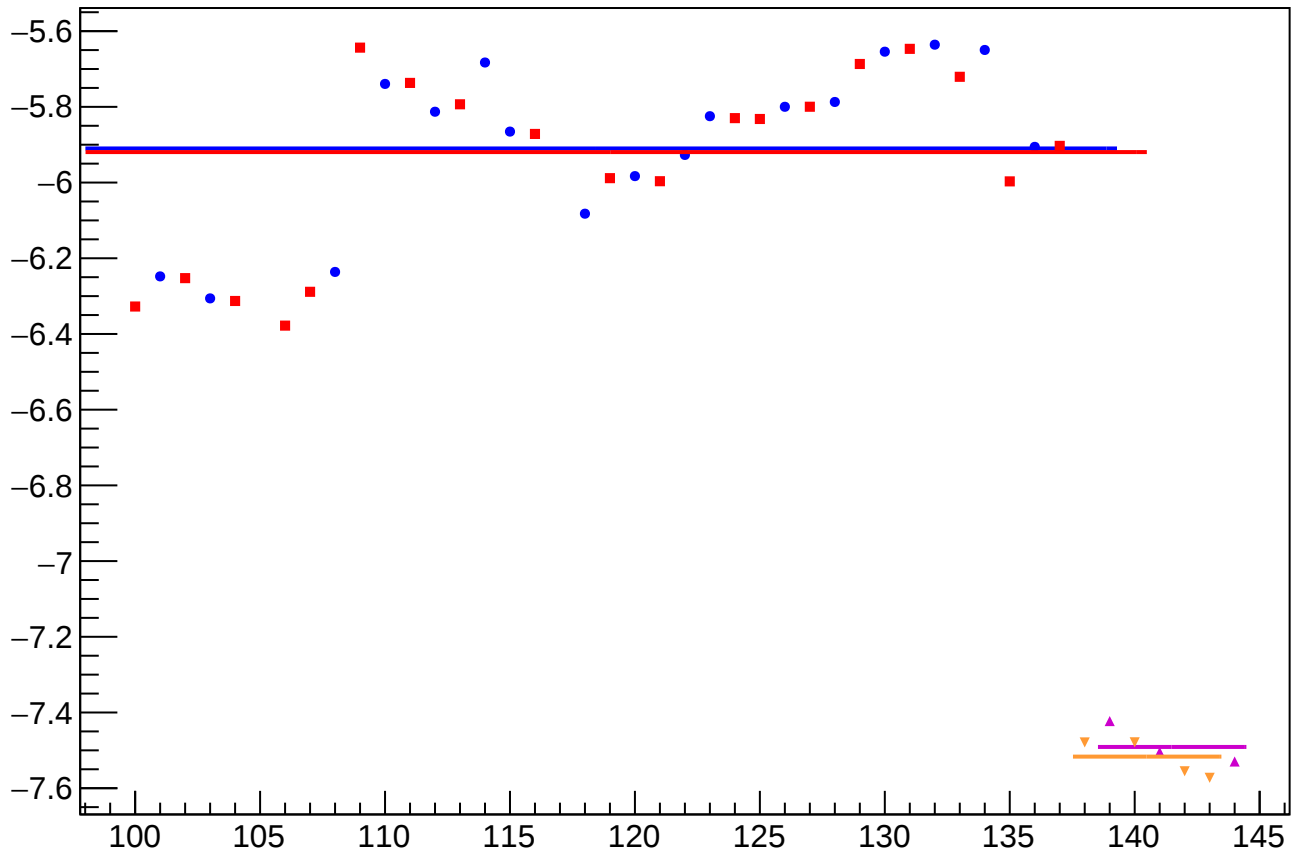
Left In: 0.005+/-0.000 χ^2/NDF :1039.9/2

+ sign 0.006+/-0.000 χ^2/NDF : 337573.1/20

All: 0.006+/-0.000 χ^2/NDF : 682541.9/42

- sign 0.006+/-0.000 χ^2/NDF : 338395.8/21

yield_bpm0l01Y_mean vs Slug



Right In: -5.910 $\pm$ 0.000 χ^2 /NDF: 11105112836.5/16

Left Out: -7.517 $\pm$ 0.000 χ^2 /NDF: 58906727.5/3

Right Out: -5.919 $\pm$ 0.000 χ^2 /NDF: 12816906660.3/18

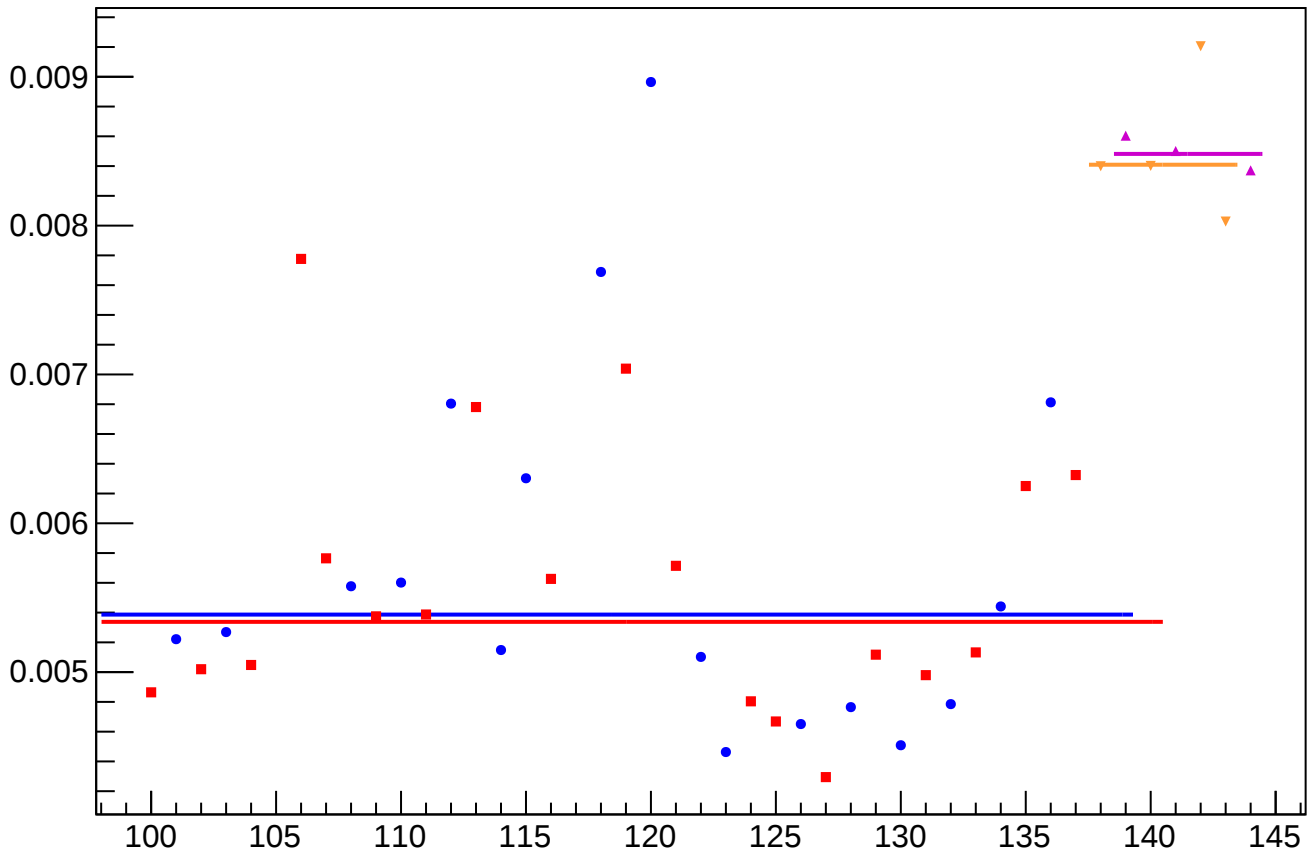
Left In: -7.491 $\pm$ 0.000 χ^2 /NDF: 55472739.5/2

+ sign -6.123 $\pm$ 0.000 χ^2 /NDF: 79960101751.7/20

All: -6.111 $\pm$ 0.000 χ^2 /NDF: 156480478547.5

- sign -6.101 $\pm$ 0.000 χ^2 /NDF: 76463831135.4/21

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 346475.5/16

Left Out: 0.008+/-0.000 χ^2/NDF : 8140.1/3

Right Out: 0.005+/-0.000 χ^2/NDF : 246912.5/18

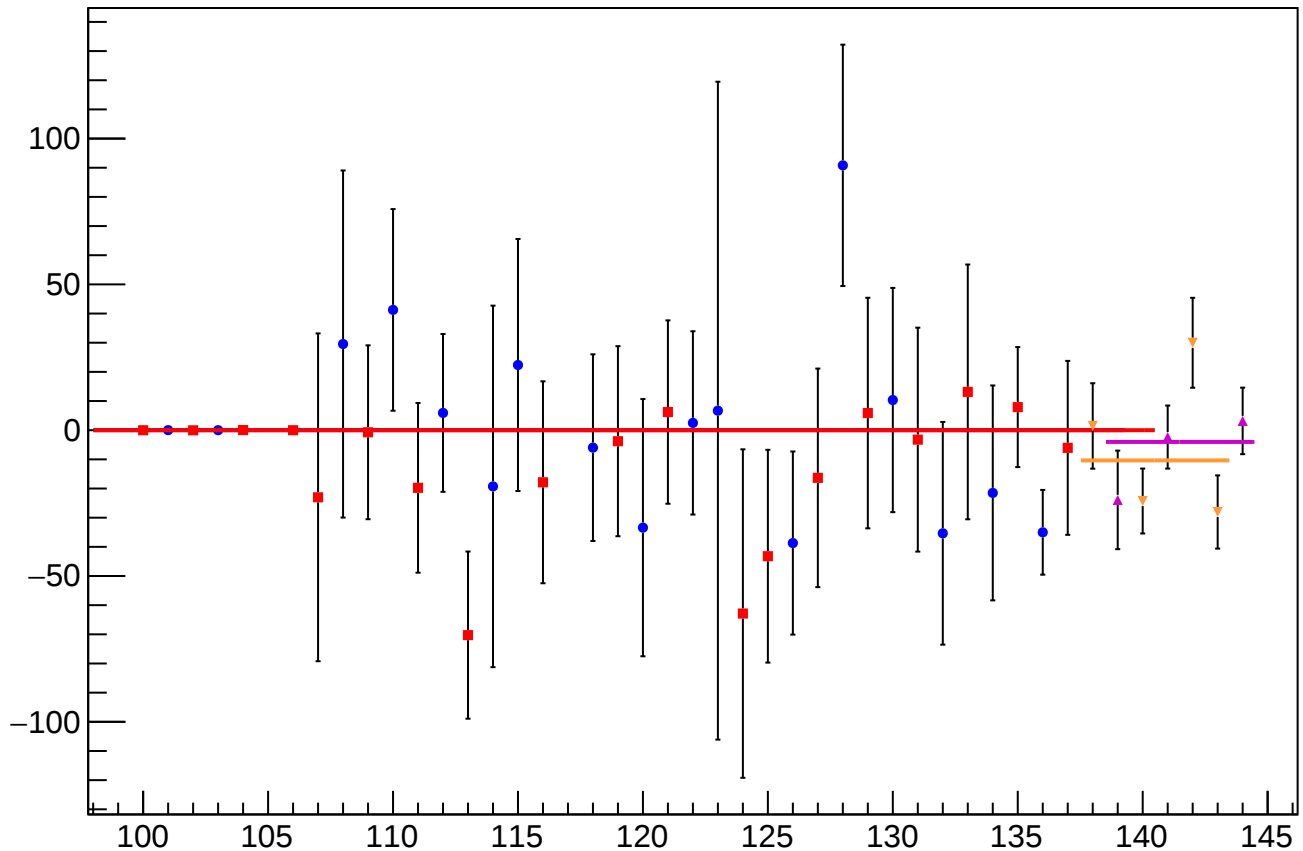
Left In: 0.008+/-0.000 χ^2/NDF : 513.0/2

+ sign 0.006+/-0.000 χ^2/NDF : 841589.5/20

All: 0.006+/-0.000 χ^2/NDF : 1599822.2/42

- sign 0.006+/-0.000 χ^2/NDF : 756451.9/21

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 16.3/16

Left Out: -10.360 $\pm$ 6.552 χ^2 /NDF:11.0/3

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 14.9/18

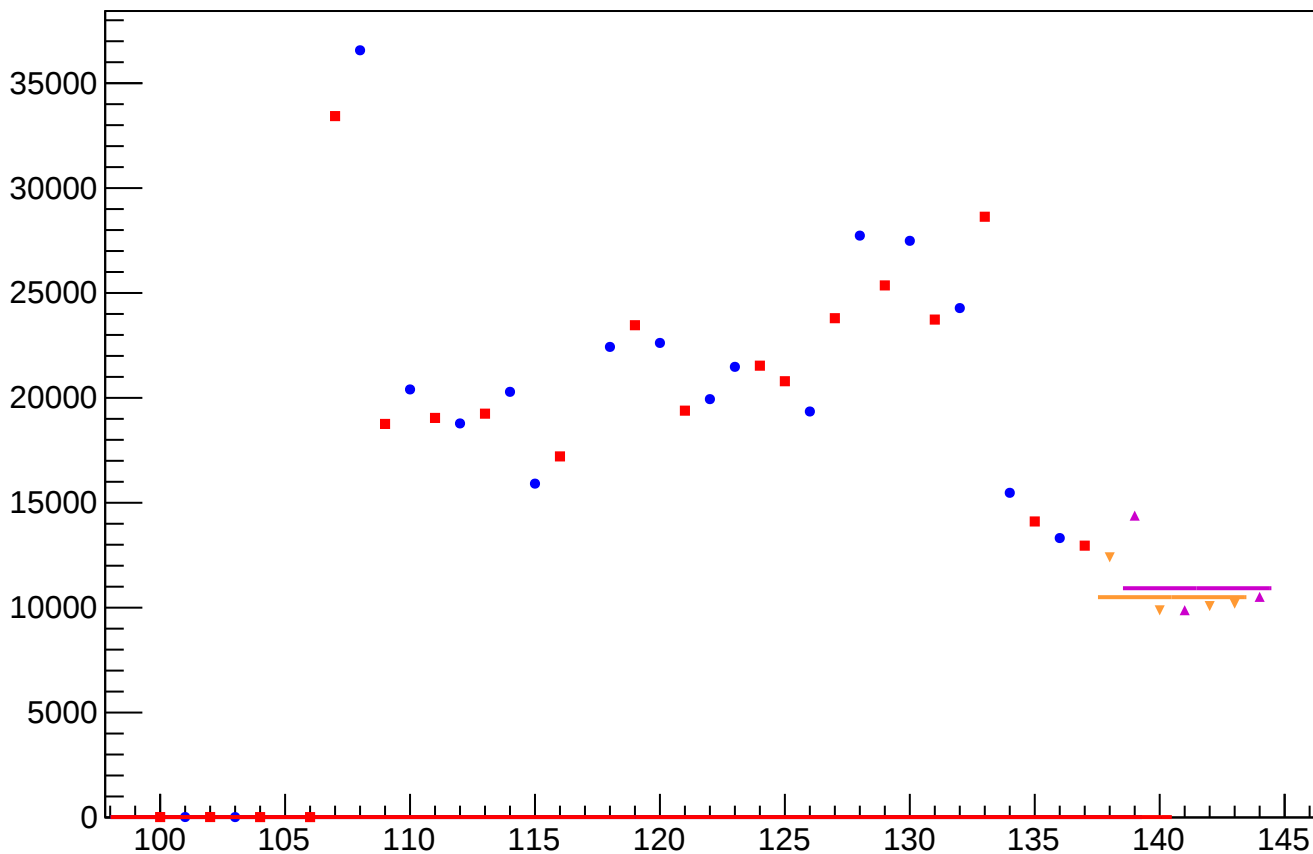
Left In: -4.020 $\pm$ 7.115 χ^2 /NDF:1.8/2

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 29.8/20

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 47.1/42

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 17.1/21

diff_cav4bX_rms vs Slug



Right In: 18.640 ± 0.012 $\chi^2/\text{NDF}: 10799270.4/16$

Left Out: 10500.246 ± 4.633 $\chi^2/\text{NDF}: 42743.1/3$

Right Out: 18.311 ± 0.011 $\chi^2/\text{NDF}: 11056055.0/18$

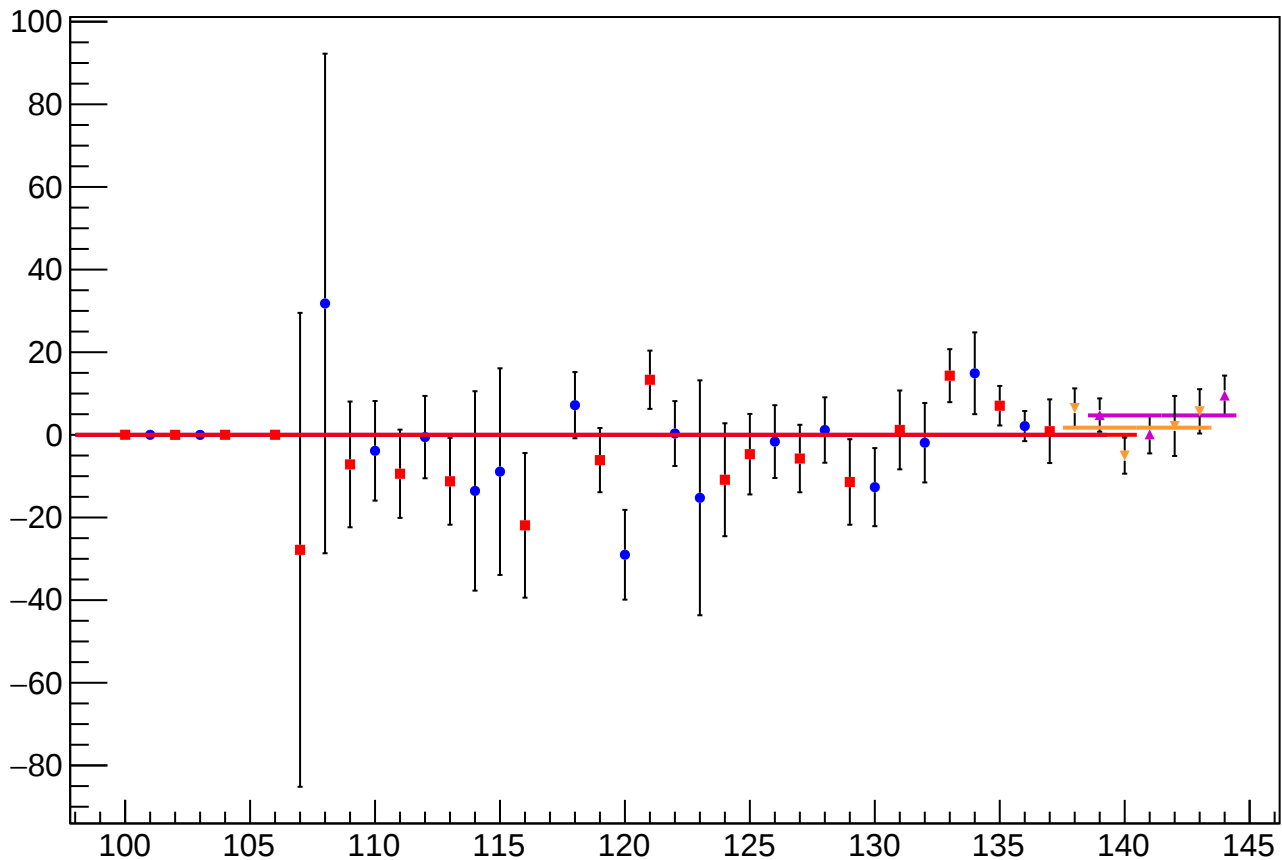
Left In: 10926.562 ± 5.031 $\chi^2/\text{NDF}: 105316.7/2$

+ sign 18.714 ± 0.012 $\chi^2/\text{NDF}: 15960316.0/20$

All: 18.527 ± 0.008 $\chi^2/\text{NDF}: 31823319.9/42$

- sign 18.367 ± 0.011 $\chi^2/\text{NDF}: 15862572.8/21$

diff_cav4bY_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 14.6/16

Left Out: 1.740 ± 2.581 χ^2/NDF : 3.9/3

Right Out: 0.014 ± 0.009 χ^2/NDF : 18.6/18

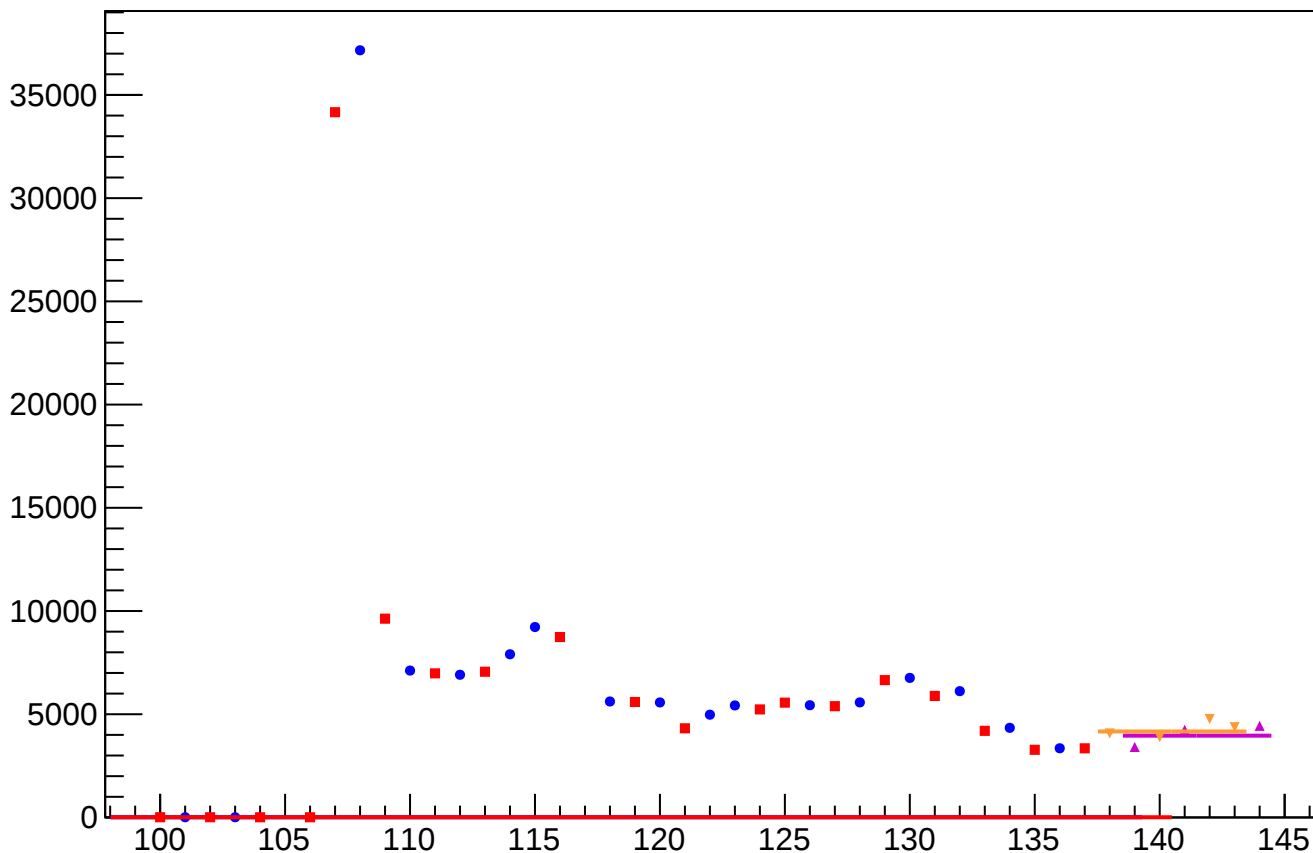
Left In: 4.706 ± 2.568 χ^2/NDF : 2.0/2

+ sign 0.001 ± 0.009 χ^2/NDF : 19.0/20

All: 0.008 ± 0.006 χ^2/NDF : 44.1/42

- sign 0.014 ± 0.009 χ^2/NDF : 23.9/21

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10926318.4/16

Left Out: 4165.121+/-1.825 χ^2/NDF : 25629.7/3

Right Out: 9.854+/-0.006 χ^2/NDF : 11106435.3/18

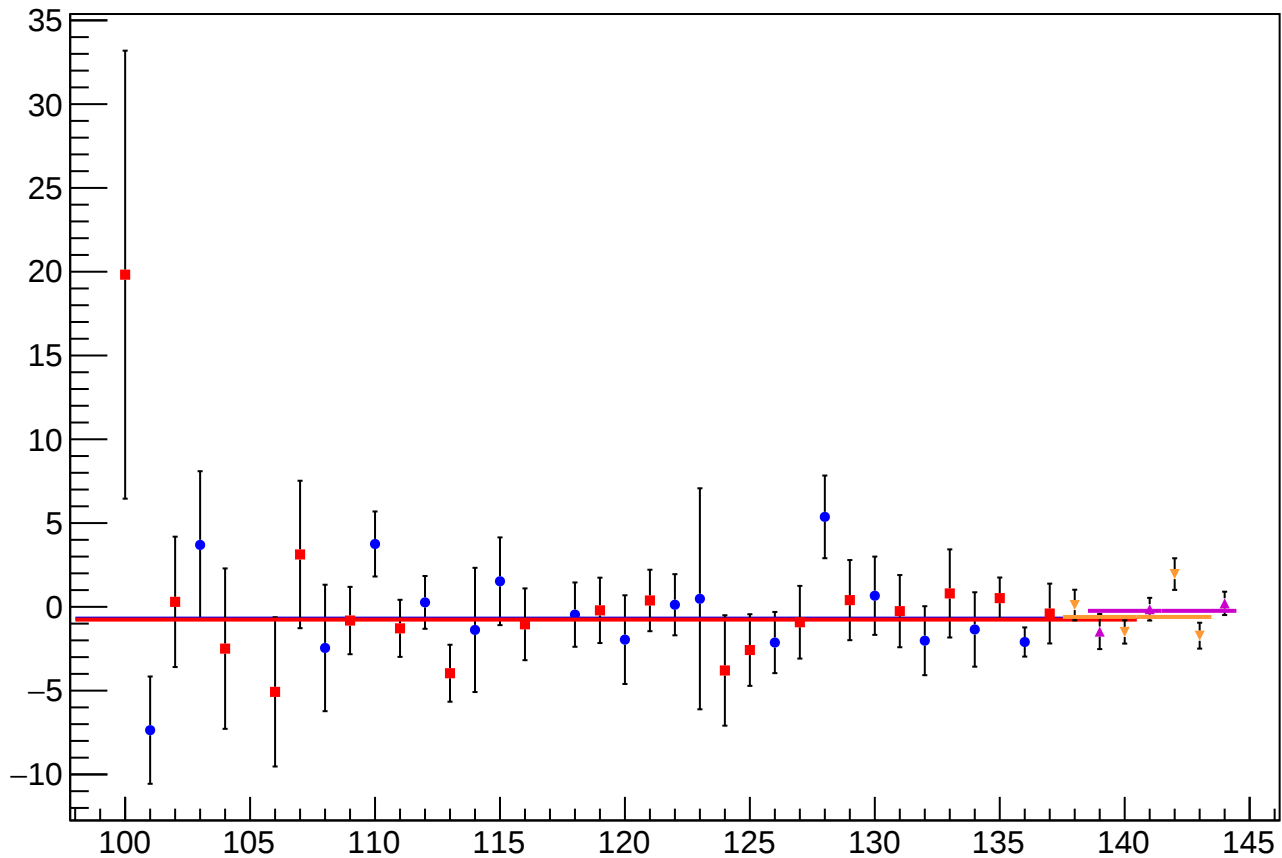
Left In: 3962.490+/-1.816 χ^2/NDF : 63978.8/2

+ sign 9.990+/-0.007 χ^2/NDF : 16133676.7/20

All: 9.942+/-0.004 χ^2/NDF : 32041728.5/42

- sign 9.899+/-0.006 χ^2/NDF : 15907946.3/21

diff_cav4cX_mean vs Slug



Right In: -0.702 ± 0.485 χ^2/NDF : 22.5/16

Left Out: -0.603 ± 0.406 χ^2/NDF : 11.7/3

Right Out: -0.760 ± 0.502 χ^2/NDF : 11.8/18

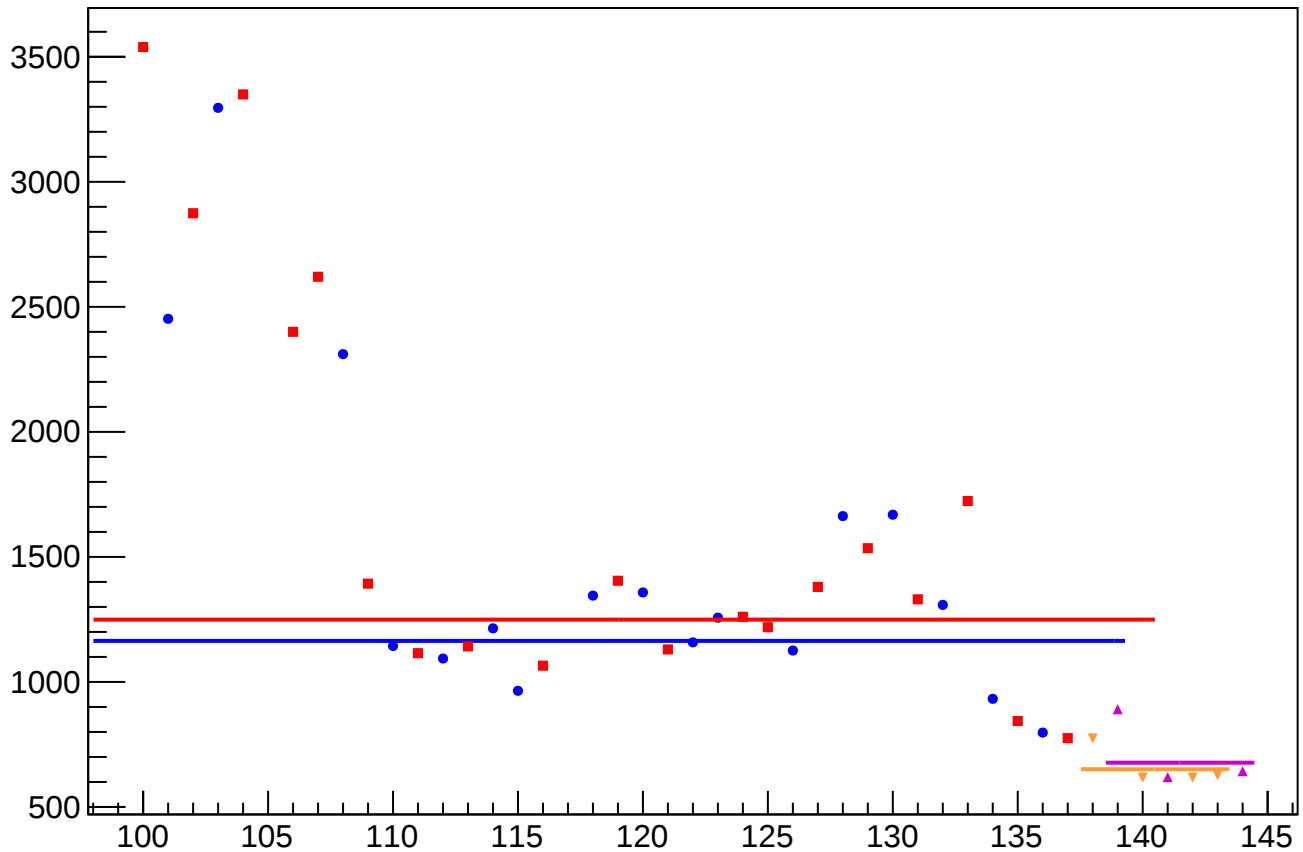
Left In: -0.238 ± 0.441 χ^2/NDF : 1.8/2

+ sign -0.643 ± 0.311 χ^2/NDF : 34.2/20

All: -0.560 ± 0.227 χ^2/NDF : 48.6/42

- sign -0.465 ± 0.331 χ^2/NDF : 14.2/21

diff_cav4cX_rms vs Slug



Right In: 1164.211 $\pm$ 0.343 χ^2 /NDF: 1586062.6/16

Left Out: 650.932 $\pm$ 0.287 χ^2 /NDF: 45374.9/3

Right Out: 1249.273 $\pm$ 0.355 χ^2 /NDF: 1649434.8/18

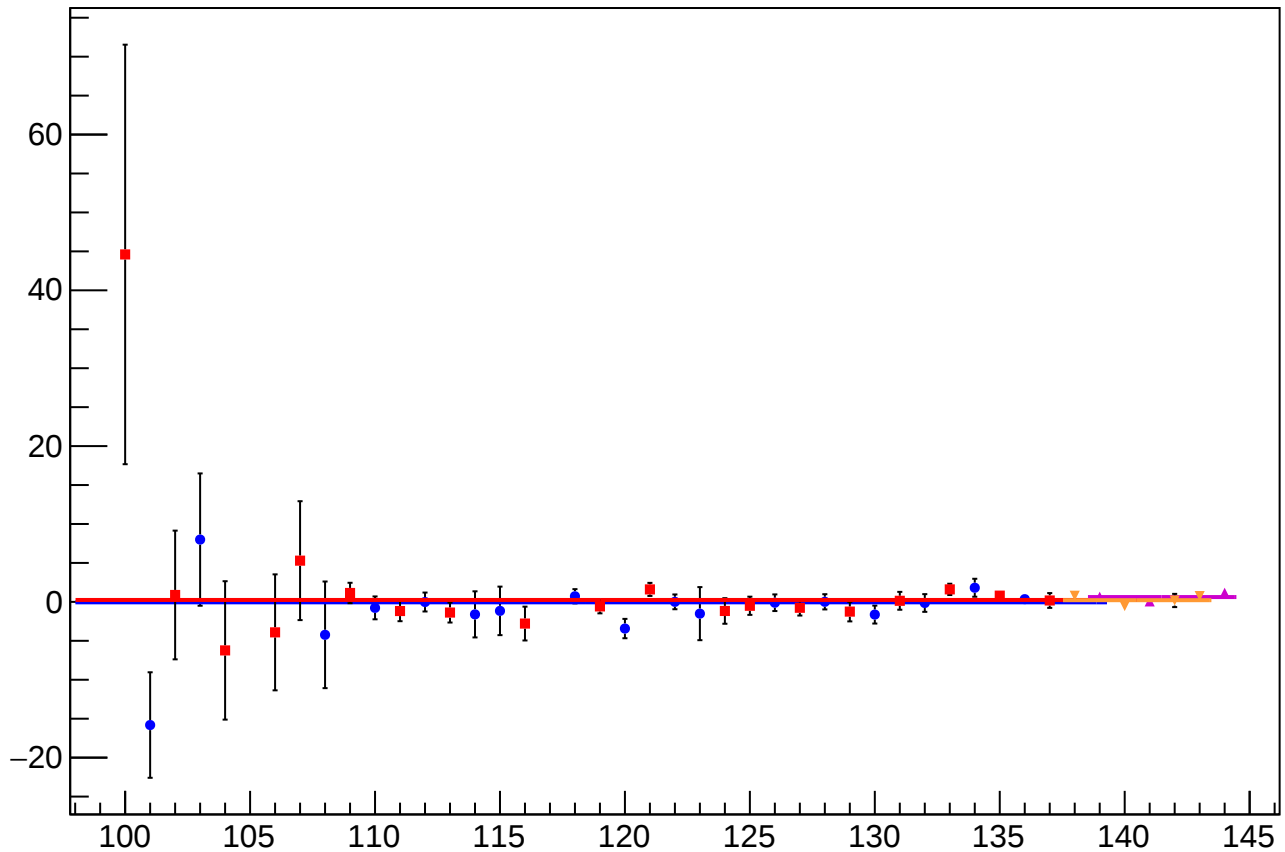
Left In: 677.005 $\pm$ 0.311 χ^2 /NDF: 102828.2/2

+ sign 862.412 $\pm$ 0.220 χ^2 /NDF: 2948466.0/20

All: 892.208 $\pm$ 0.160 χ^2 /NDF: 6207814.5/42

- sign 925.919 $\pm$ 0.234 χ^2 /NDF: 3220300.4/21

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.271 χ^2/NDF : 20.9/16

Left Out: 0.215 ± 0.305 χ^2/NDF : 3.9/3

Right Out: 0.245 ± 0.265 χ^2/NDF : 20.7/18

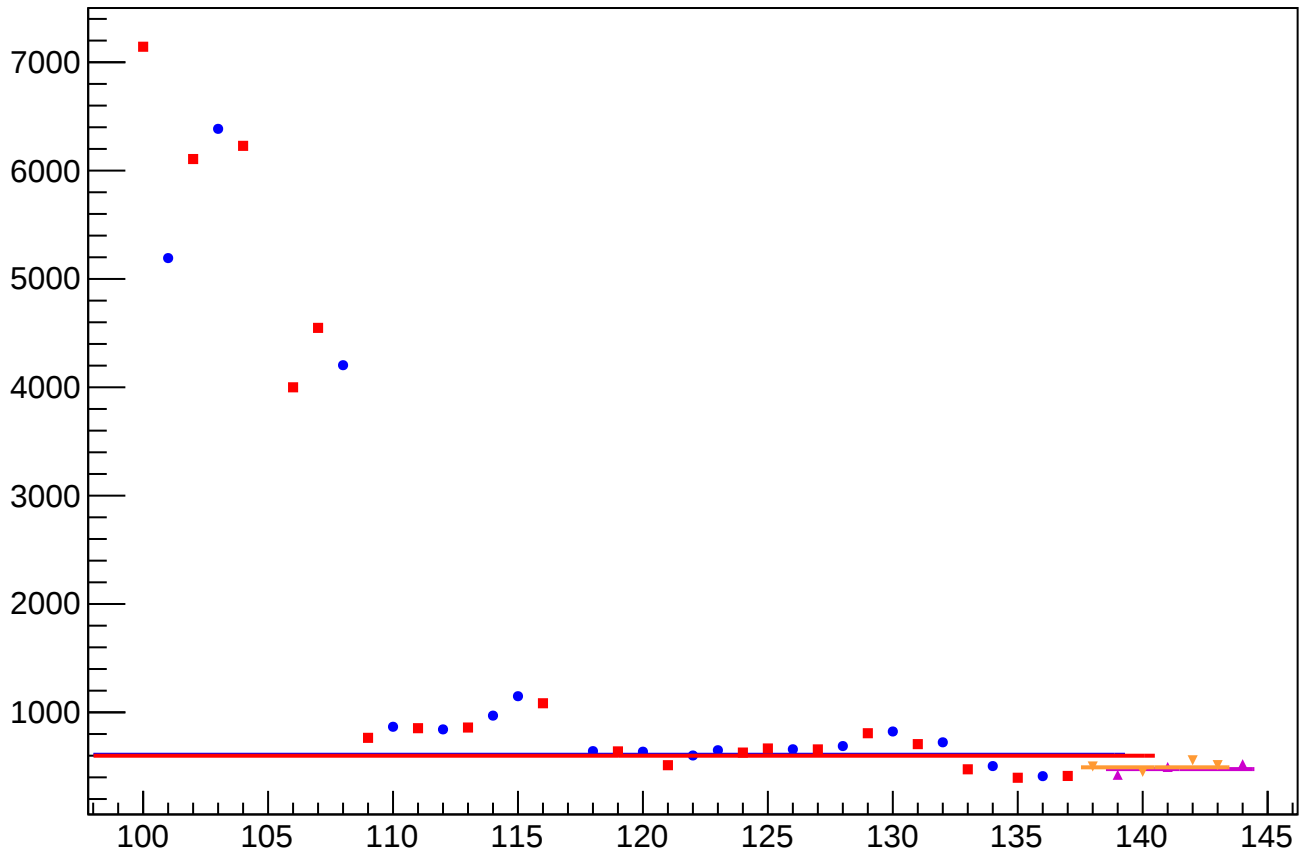
Left In: 0.617 ± 0.308 χ^2/NDF : 2.0/2

+ sign 0.061 ± 0.202 χ^2/NDF : 25.3/20

All: 0.233 ± 0.143 χ^2/NDF : 50.3/42

- sign 0.403 ± 0.201 χ^2/NDF : 23.6/21

diff_cav4cY_rms vs Slug



Right In: 608.589 $\pm$ 0.191 χ^2 /NDF: 3137480.1/16

Left Out: 492.566 $\pm$ 0.216 χ^2 /NDF: 27916.3/3

Right Out: 599.715 $\pm$ 0.187 χ^2 /NDF: 3547458.7/18

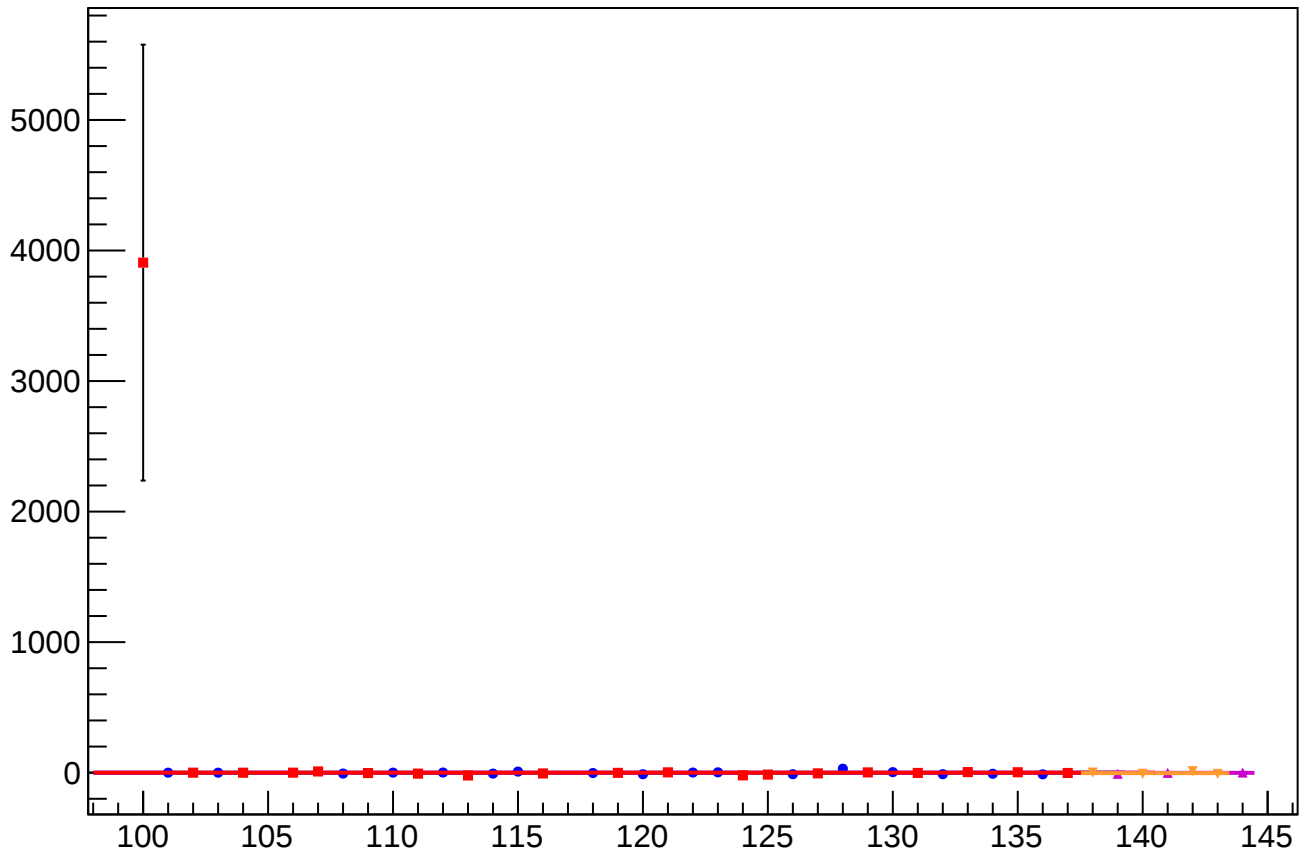
Left In: 476.241 $\pm$ 0.218 χ^2 /NDF: 37491.8/2

+ sign 557.530 $\pm$ 0.143 χ^2 /NDF: 3327243.1/20

All: 552.327 $\pm$ 0.101 χ^2 /NDF: 7099666.4/42

- sign 547.209 $\pm$ 0.142 χ^2 /NDF: 3769802.9/21

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/16

Left Out: -3.439 ± 2.344 χ^2/NDF : 11.7/3

Right Out: -0.027 ± 0.020 χ^2/NDF : 16.8/18

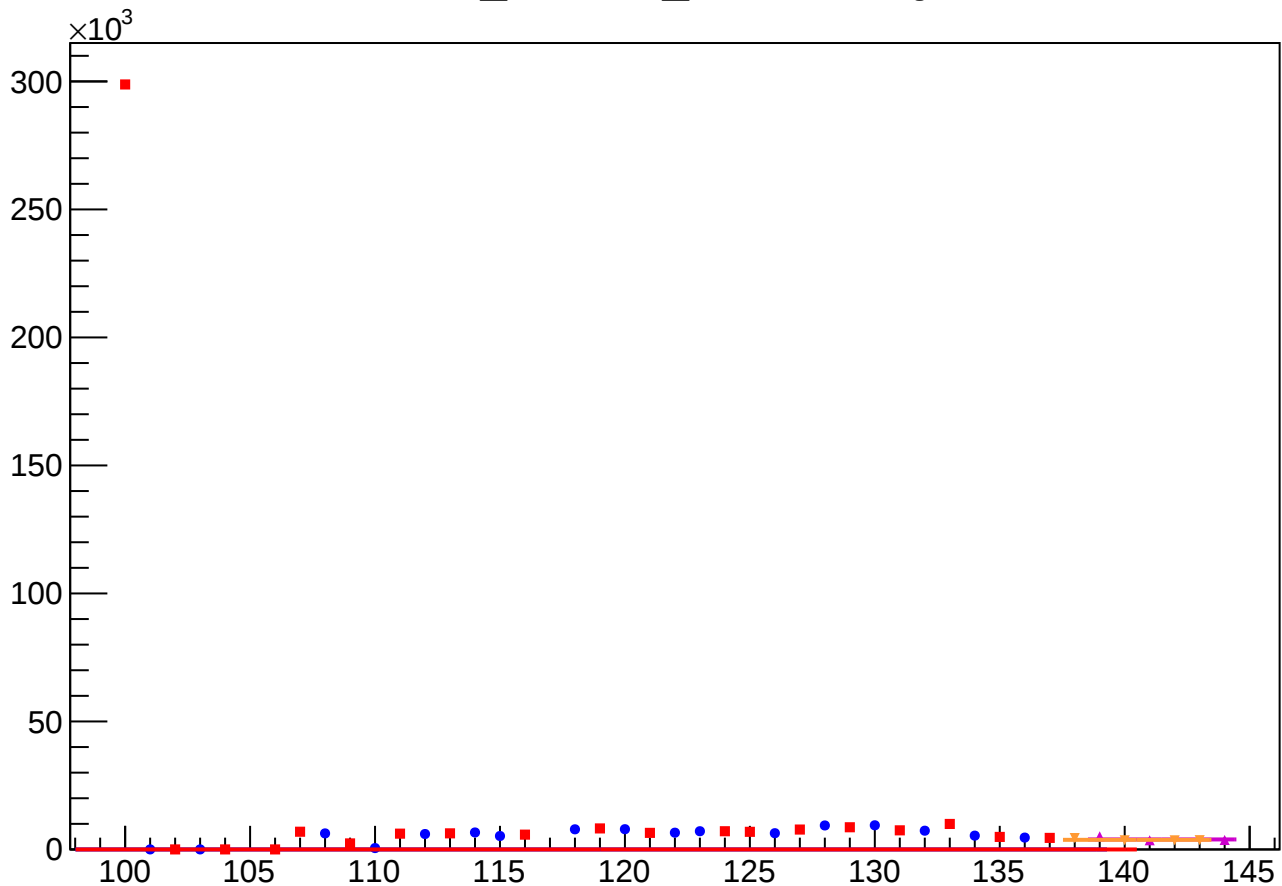
Left In: -1.336 ± 2.546 χ^2/NDF : 1.9/2

+ sign -0.022 ± 0.021 χ^2/NDF : 29.5/20

All: -0.024 ± 0.014 χ^2/NDF : 48.4/42

- sign -0.027 ± 0.020 χ^2/NDF : 18.9/21

diff_cav4dX_rms vs Slug



Right In: 17.335 ± 0.015 χ^2/NDF : 10315348.6/16

Left Out: 3758.451 ± 1.657 χ^2/NDF : 43361.0/3

Right Out: 17.267 ± 0.014 χ^2/NDF : 10766587.2/18

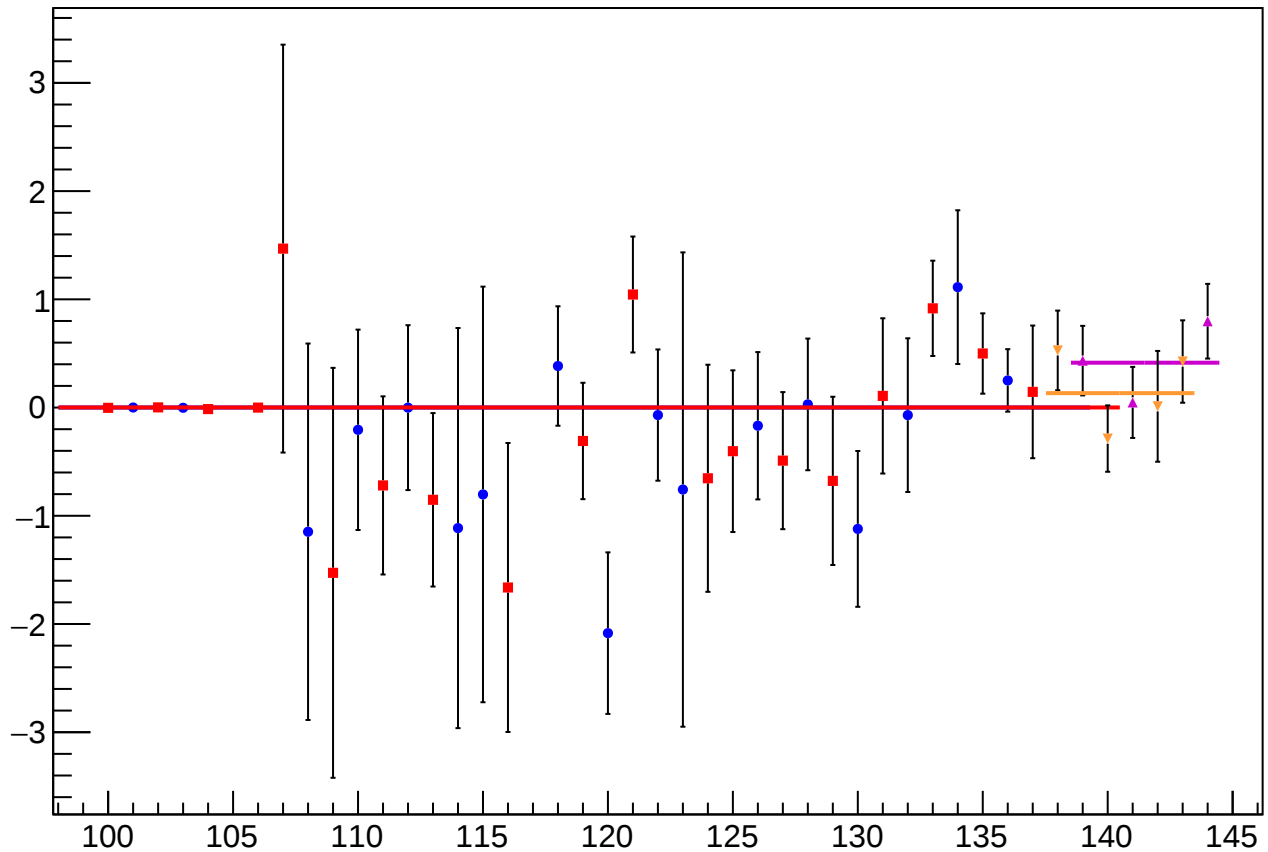
Left In: 3913.305 ± 1.800 χ^2/NDF : 100180.3/2

+ sign 17.630 ± 0.015 χ^2/NDF : 15453482.5/20

All: 17.563 ± 0.010 χ^2/NDF : 31004641.1/42

- sign 17.502 ± 0.014 χ^2/NDF : 15551119.0/21

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 15.3/16

Left Out: 0.133 ± 0.187 χ^2/NDF : 3.7/3

Right Out: 0.001 ± 0.002 χ^2/NDF : 18.1/18

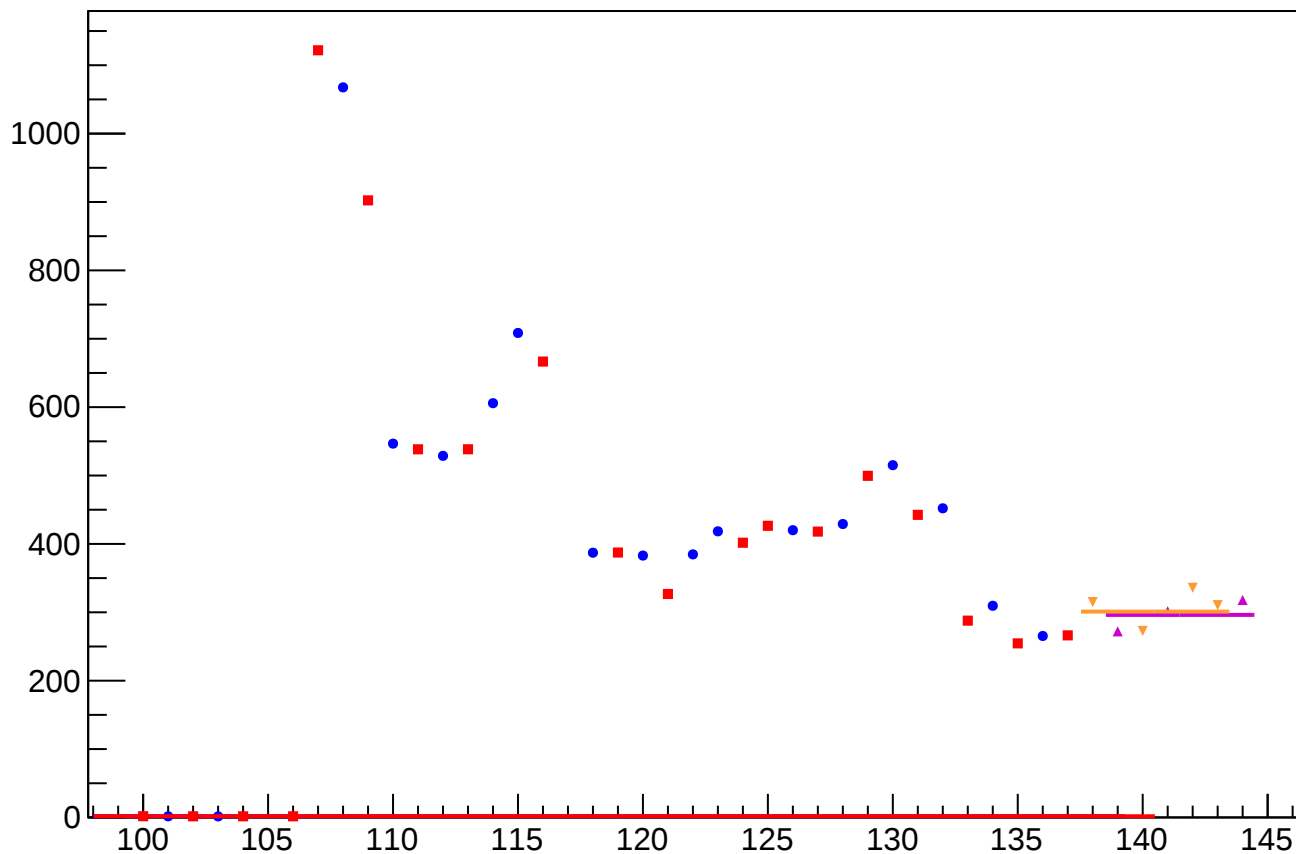
Left In: 0.414 ± 0.191 χ^2/NDF : 2.5/2

+ sign 0.000 ± 0.002 χ^2/NDF : 19.5/20

All: 0.001 ± 0.001 χ^2/NDF : 44.8/42

- sign 0.001 ± 0.002 χ^2/NDF : 25.2/21

diff_cav4dY_rms vs Slug



Right In: 1.698 ± 0.001 χ^2/NDF : 10864983.9/16

Left Out: 301.036 ± 0.132 χ^2/NDF : 30386.8/3

Right Out: 1.728 ± 0.001 χ^2/NDF : 10690594.4/18

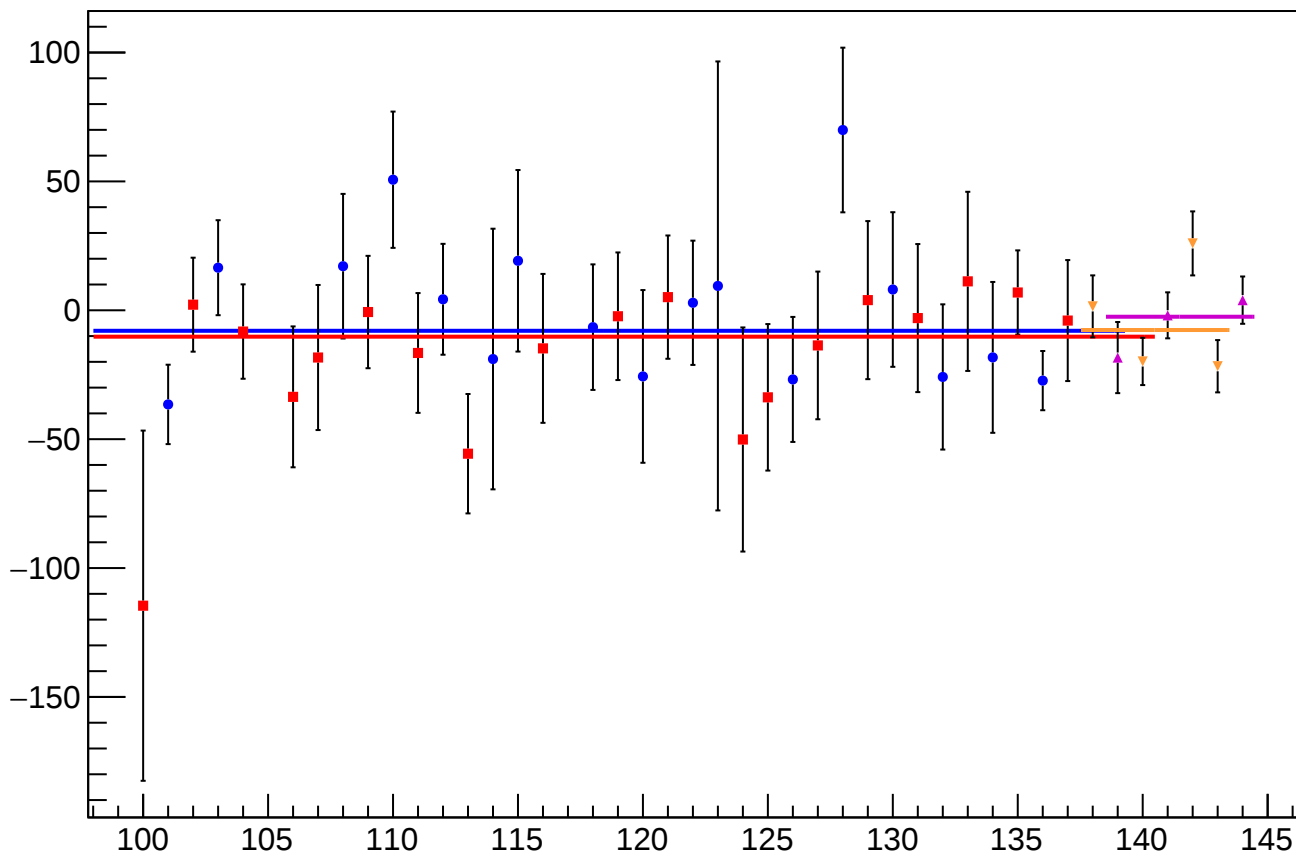
Left In: 296.195 ± 0.135 χ^2/NDF : 19702.6/2

+ sign 1.734 ± 0.001 χ^2/NDF : 16045817.8/20

All: 1.747 ± 0.001 χ^2/NDF : 31499640.8/42

- sign 1.758 ± 0.001 χ^2/NDF : 15453665.8/21

diff_bpm4aX_mean vs Slug



Right In: -7.952 ± 5.639 χ^2/NDF : 22.6/16

Left Out: -7.653 ± 5.344 χ^2/NDF : 11.6/3

Right Out: -10.233 ± 5.692 χ^2/NDF : 11.7/18

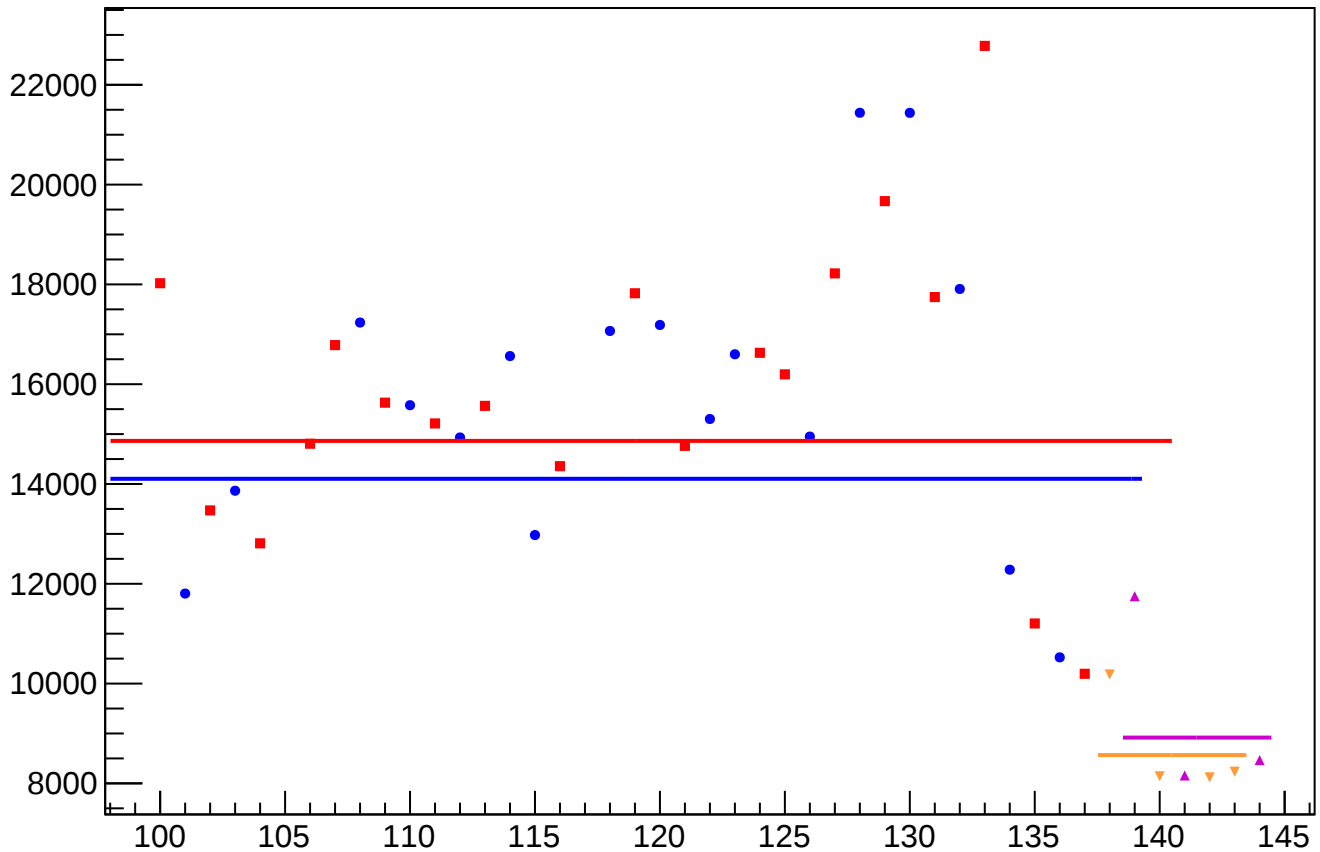
Left In: -2.498 ± 5.803 χ^2/NDF : 1.8/2

+ sign -7.795 ± 3.879 χ^2/NDF : 34.2/20

All: -7.149 ± 2.806 χ^2/NDF : 48.6/42

- sign -6.440 ± 4.064 χ^2/NDF : 14.4/21

diff_bpm4aX_rms vs Slug



Right In: 14104.125+/-3.987 χ^2/NDF : 604857.2/16

Left Out: 8566.850+/-3.779 χ^2/NDF : 45190.5/3

Right Out: 14863.530+/-4.025 χ^2/NDF : 472106.0/18

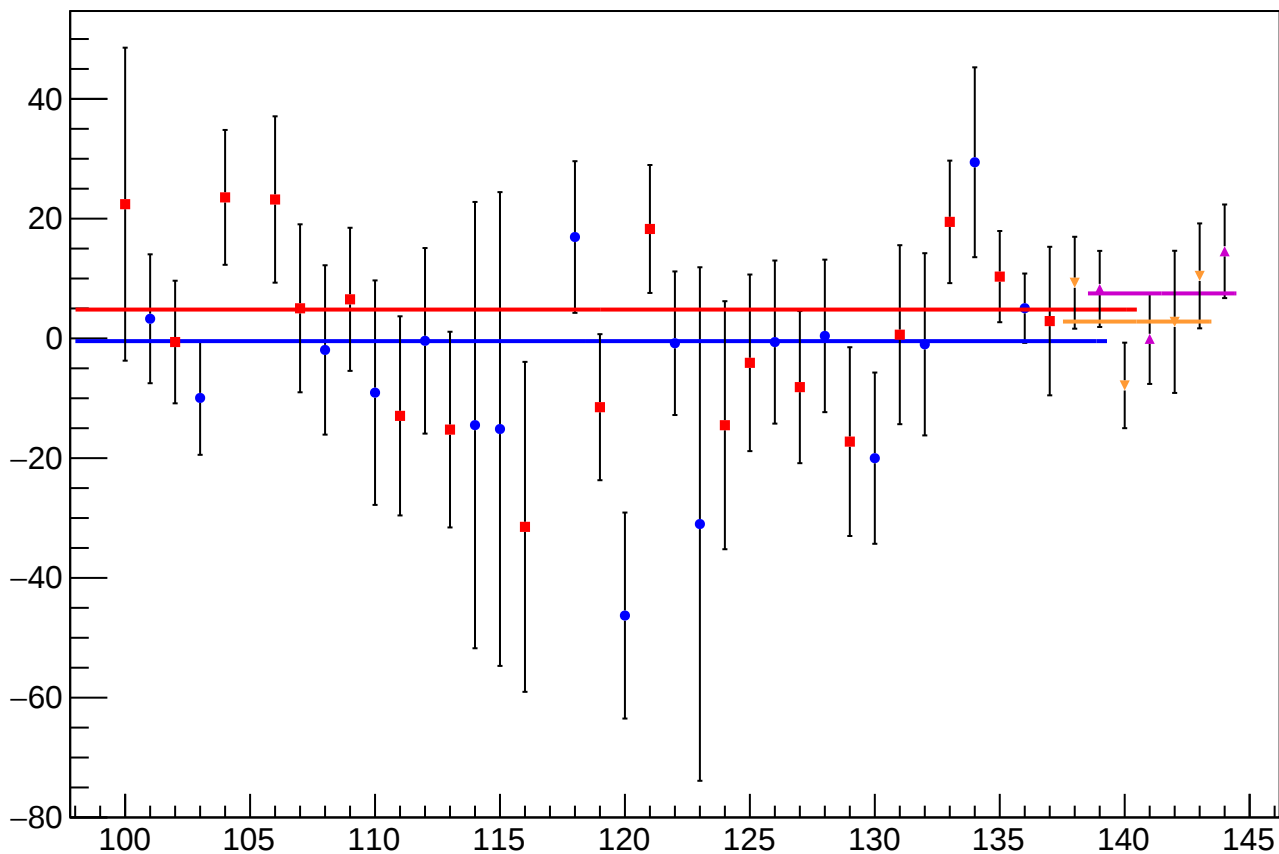
Left In: 8917.196+/-4.103 χ^2/NDF : 103625.3/2

+ sign 11186.999+/-2.743 χ^2/NDF : 1666121.2/20

All: 11549.556+/-1.984 χ^2/NDF : 3348761.8/4

- sign 11947.489+/-2.873 χ^2/NDF : 1645987.2/21

diff_bpm4aY_mean vs Slug



Right In: -0.456 ± 3.089 $\chi^2/\text{NDF}: 17.4/16$

Left Out: 2.812 ± 4.199 $\chi^2/\text{NDF}: 3.7/3$

Right Out: 4.814 ± 2.946 $\chi^2/\text{NDF}: 19.9/18$

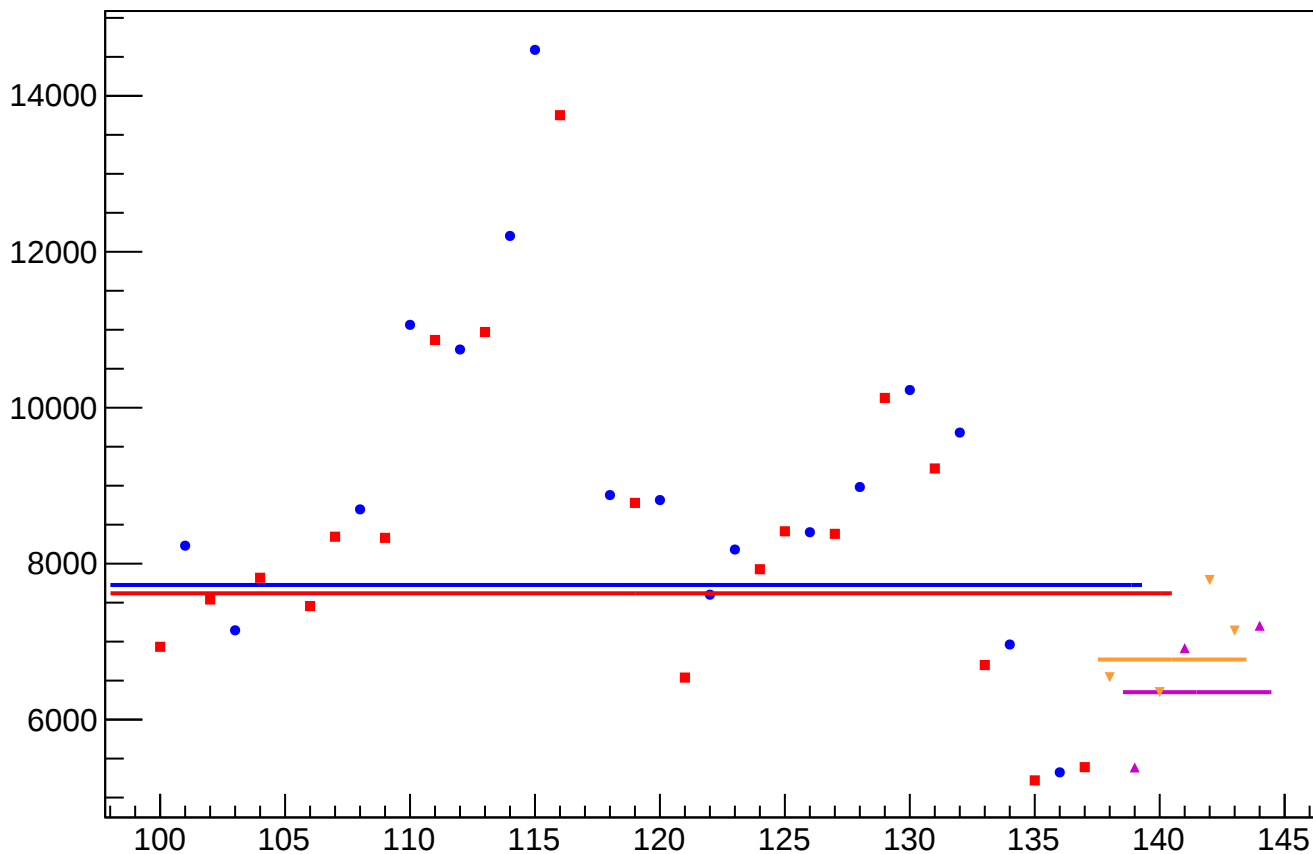
Left In: 7.512 ± 4.125 $\chi^2/\text{NDF}: 1.8/2$

+ sign 0.692 ± 2.488 $\chi^2/\text{NDF}: 21.5/20$

All: 3.302 ± 1.726 $\chi^2/\text{NDF}: 45.7/42$

- sign 5.725 ± 2.397 $\chi^2/\text{NDF}: 22.1/21$

diff_bpm4aY_rms vs Slug



Right In: 7726.613+/-2.184 χ^2/NDF : 742603.6/16

Left Out: 6770.303+/-2.969 χ^2/NDF : 26942.3/3

Right Out: 7620.107+/-2.083 χ^2/NDF : 679200.6/18

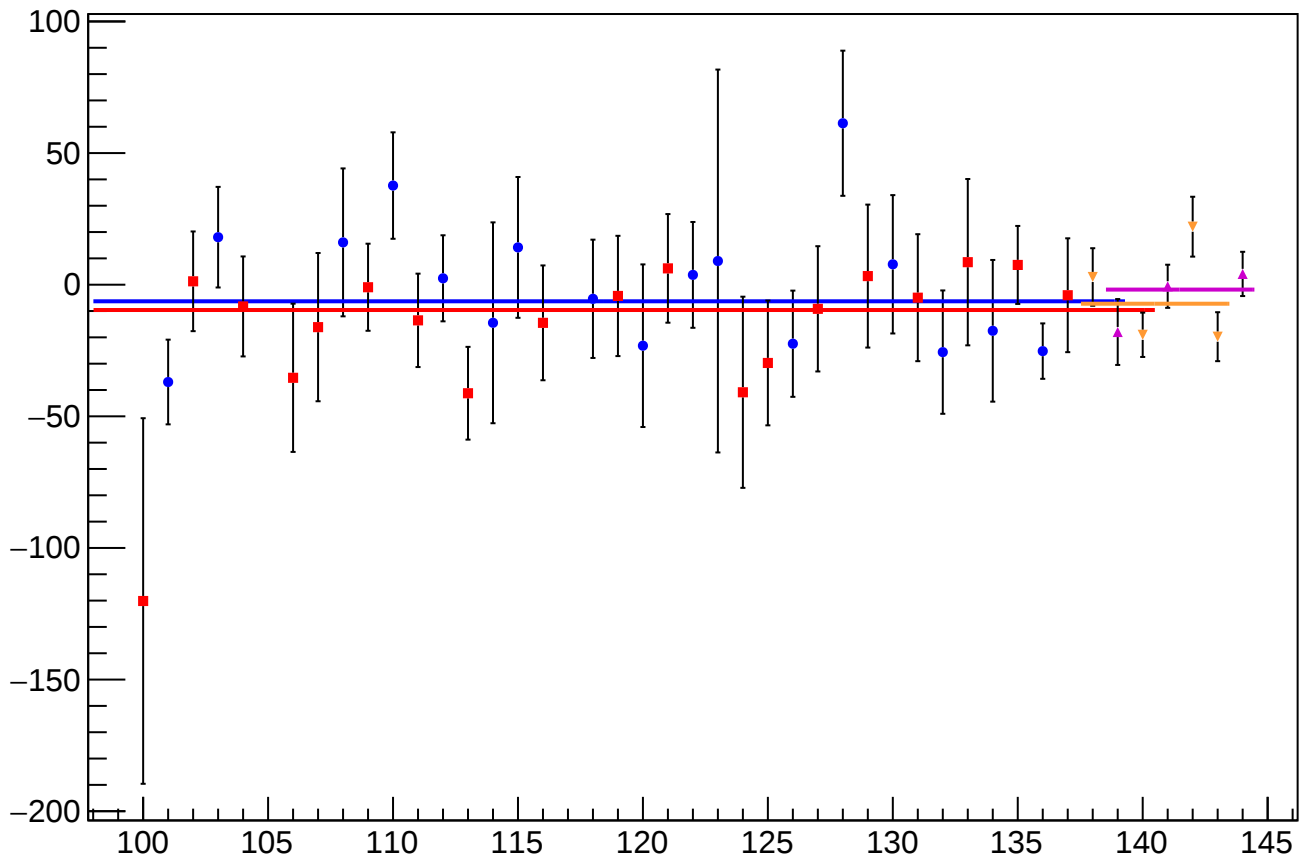
Left In: 6351.784+/-2.917 χ^2/NDF : 81181.7/2

+ sign 7390.765+/-1.760 χ^2/NDF : 836851.5/20

All: 7287.562+/-1.221 χ^2/NDF : 1729074.7/42

- sign 7191.773+/-1.695 χ^2/NDF : 885590.0/21

diff_bpm4eX_mean vs Slug



Right In: -6.303 $\pm$ 5.045 χ^2/NDF : 23.2/16

Left Out: -7.224 $\pm$ 4.892 χ^2/NDF : 11.3/3

Right Out: -9.614 $\pm$ 5.013 χ^2/NDF : 11.5/18

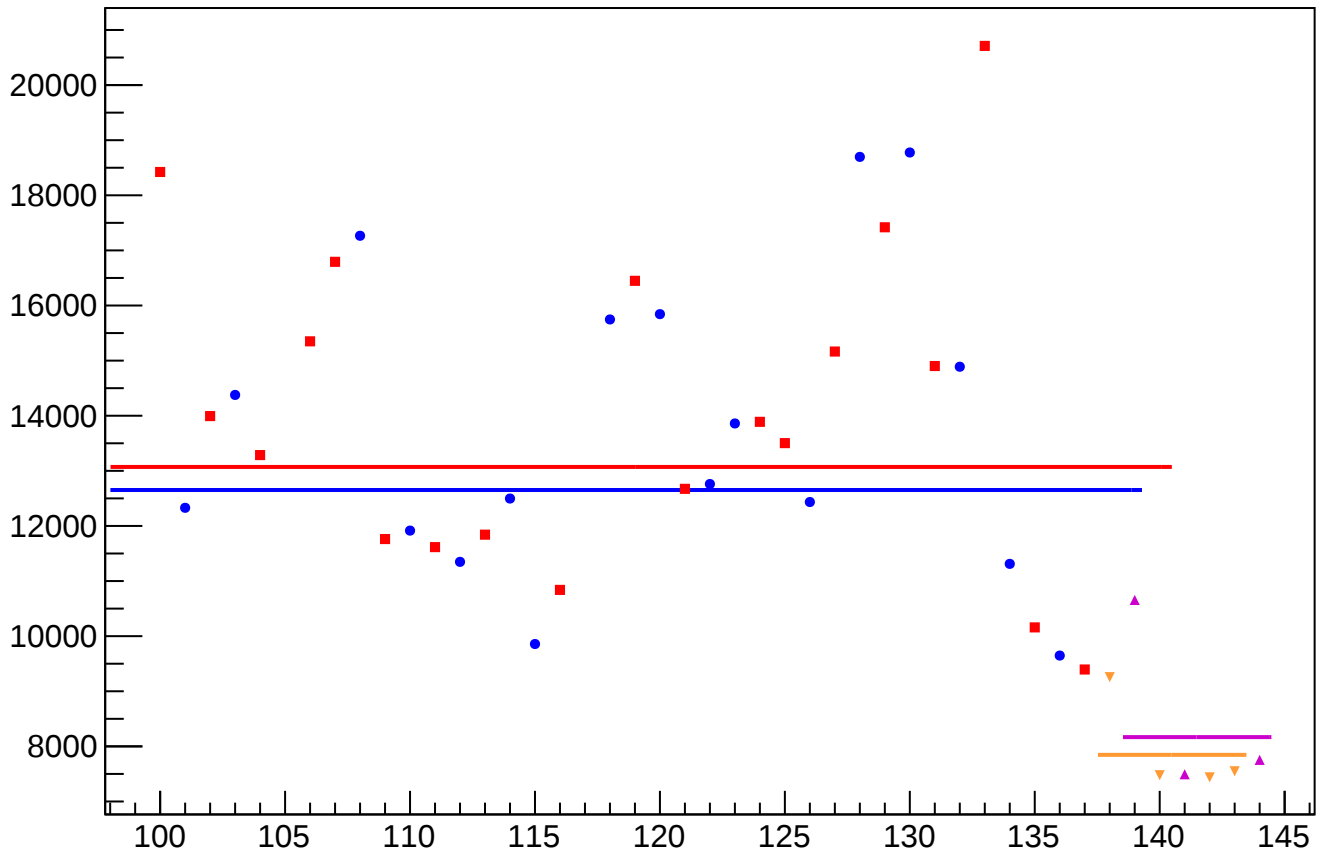
Left In: -1.855 $\pm$ 5.312 χ^2/NDF : 2.2/2

+ sign -6.777 $\pm$ 3.512 χ^2/NDF : 34.4/20

All: -6.383 $\pm$ 2.529 χ^2/NDF : 49.2/42

- sign -5.959 $\pm$ 3.646 χ^2/NDF : 14.8/21

diff_bpm4eX_rms vs Slug



Right In: 12652.101 $\pm$ 3.567 χ^2 /NDF: 559356.1/16

Left Out: 7846.184 $\pm$ 3.459 χ^2 /NDF:41810.0/3

Right Out: 13070.799 $\pm$ 3.545 χ^2 /NDF: 498063.2/18

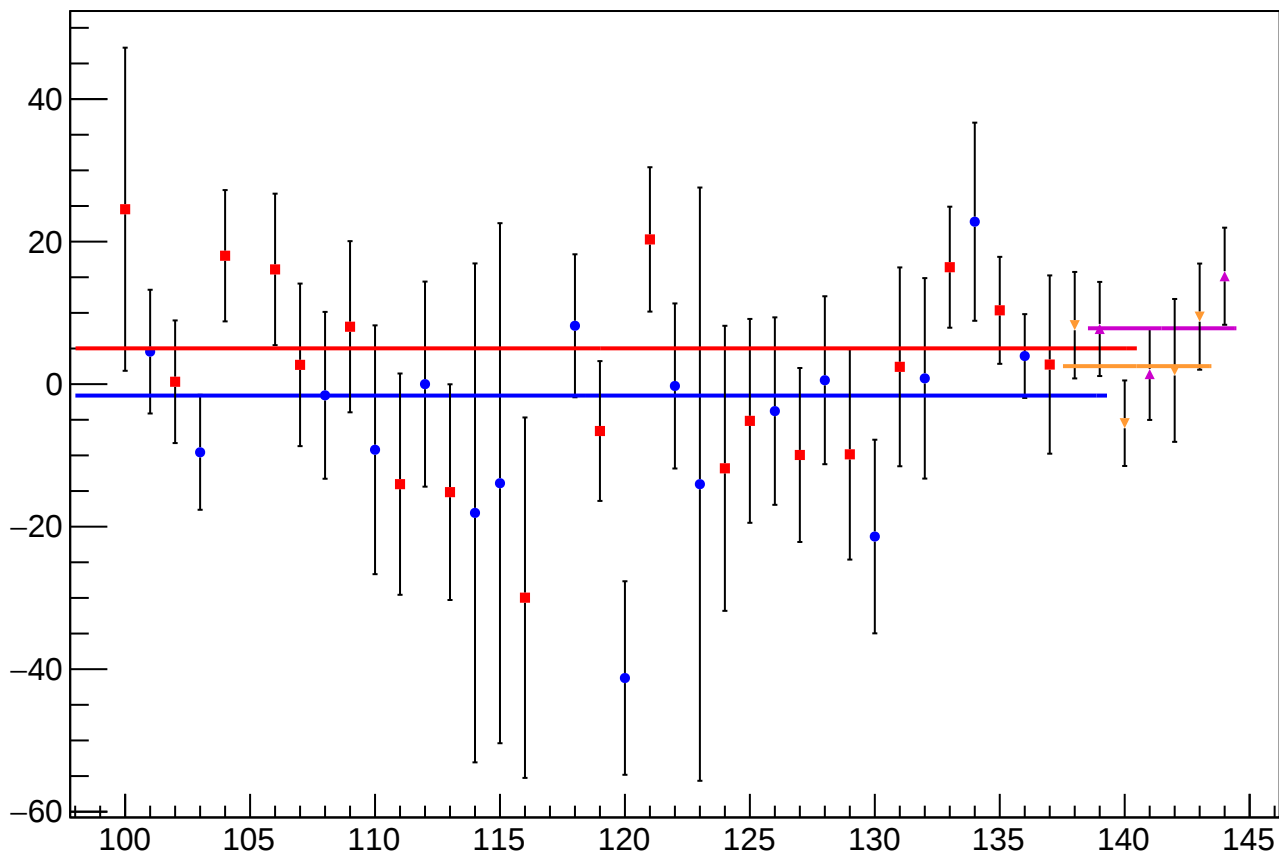
Left In: 8168.155 $\pm$ 3.756 χ^2 /NDF:97516.9/2

+ sign 10175.088 $\pm$ 2.483 χ^2 /NDF: 1536528.1/20

All: 10457.228 $\pm$ 1.789 χ^2 /NDF: 3060067.1/4

- sign 10761.259 $\pm$ 2.578 χ^2 /NDF: 1496723.3/21

diff_bpm4eY_mean vs Slug



Right In: -1.604 ± 2.811 χ^2/NDF : 17.8/16

Left Out: 2.525 ± 3.685 χ^2/NDF : 3.2/3

Right Out: 5.023 ± 2.647 χ^2/NDF : 19.2/18

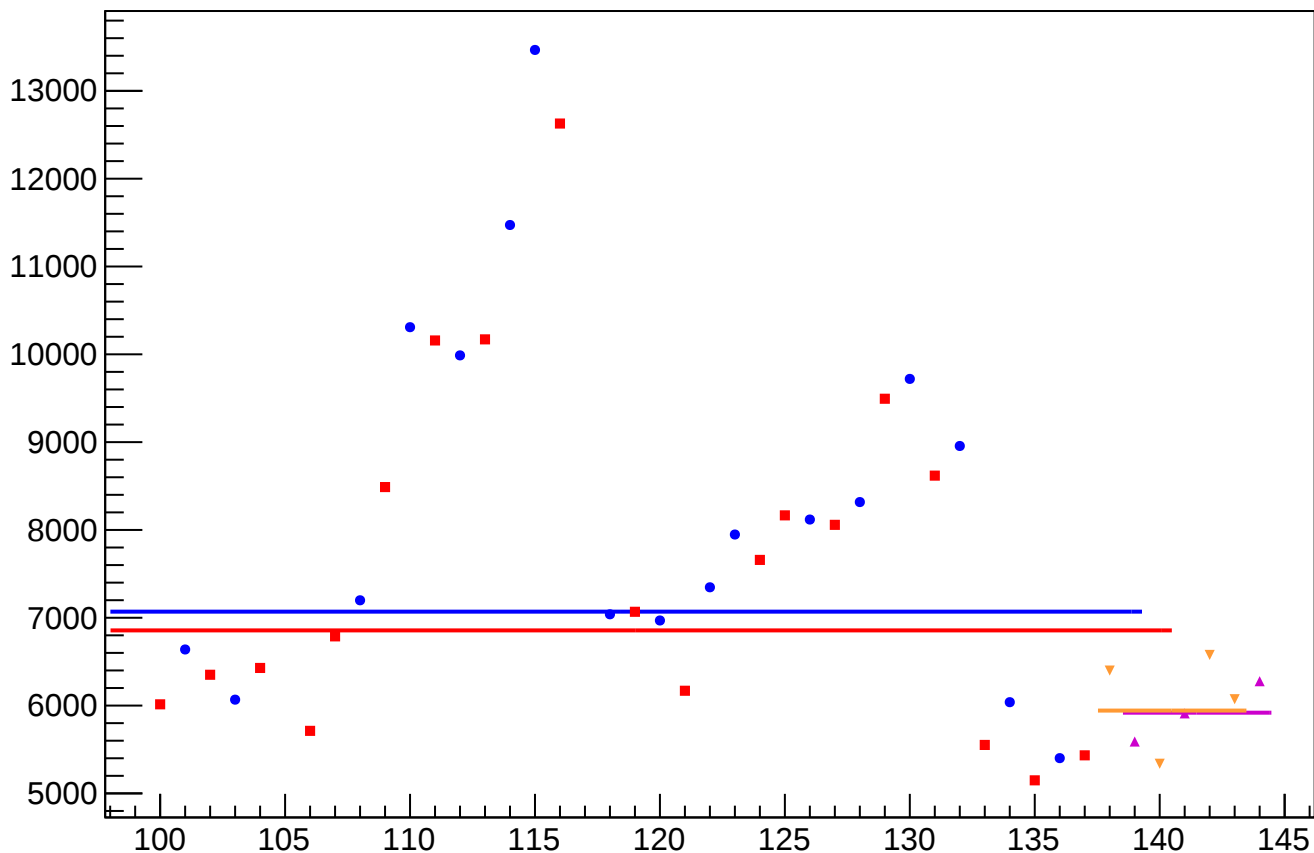
Left In: 7.839 ± 3.818 χ^2/NDF : 2.1/2

+ sign -0.085 ± 2.235 χ^2/NDF : 21.8/20

All: 3.007 ± 1.559 χ^2/NDF : 47.2/42

- sign 5.937 ± 2.175 χ^2/NDF : 21.7/21

diff_bpm4eY_rms vs Slug



Right In: 7069.683+/-1.988 χ^2/NDF : 601725.0/16

Left Out: 5943.063+/-2.605 χ^2/NDF : 36377.4/3

Right Out: 6856.143+/-1.872 χ^2/NDF : 686407.0/18

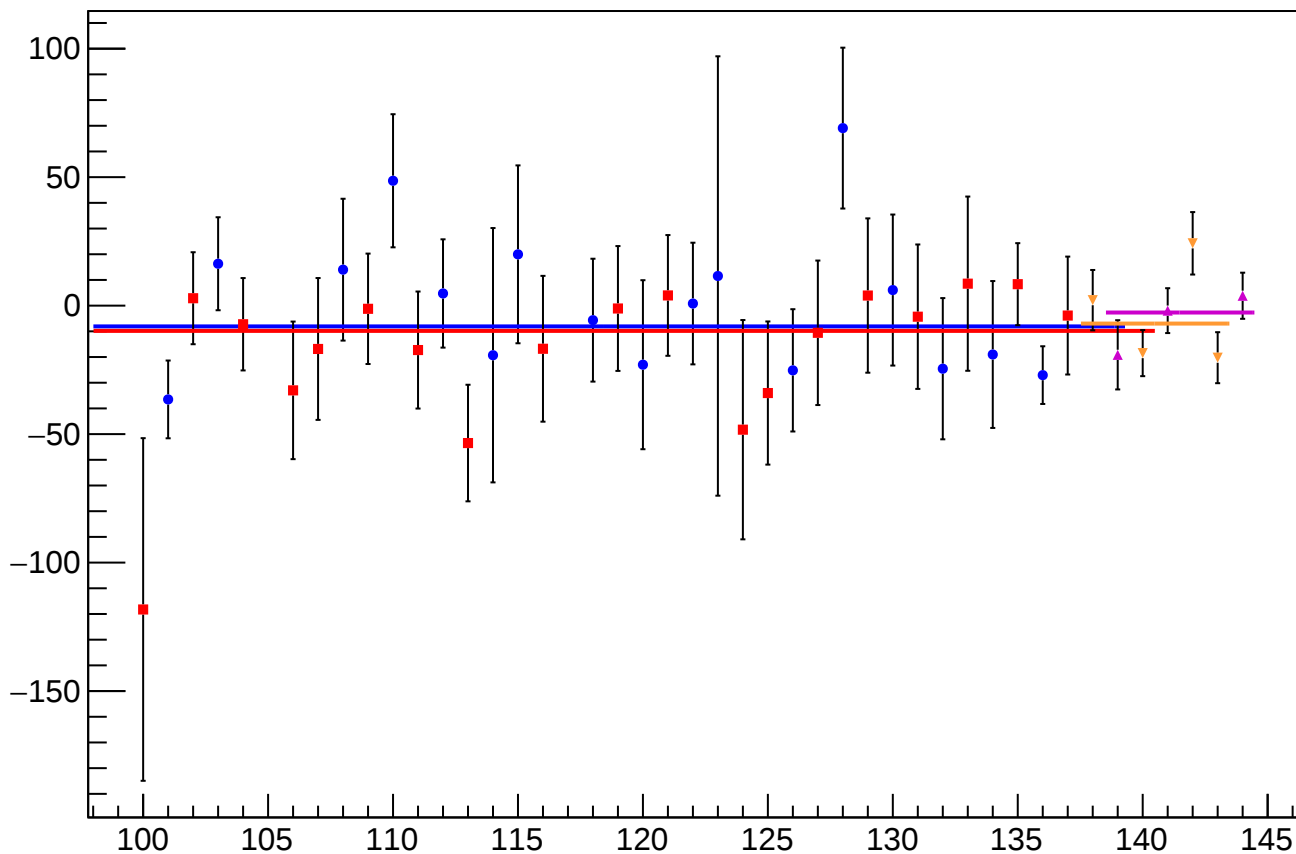
Left In: 5919.086+/-2.700 χ^2/NDF : 10481.0/2

+ sign 6655.251+/-1.580 χ^2/NDF : 756295.2/20

All: 6602.223+/-1.102 χ^2/NDF : 1536740.9/42

- sign 6551.983+/-1.538 χ^2/NDF : 778252.8/21

diff_bpm4acX_mean vs Slug



Right In: -8.084 ± 5.527 χ^2/NDF : 22.4/16

Left Out: -6.982 ± 5.228 χ^2/NDF : 10.6/3

Right Out: -9.828 ± 5.581 χ^2/NDF : 12.0/18

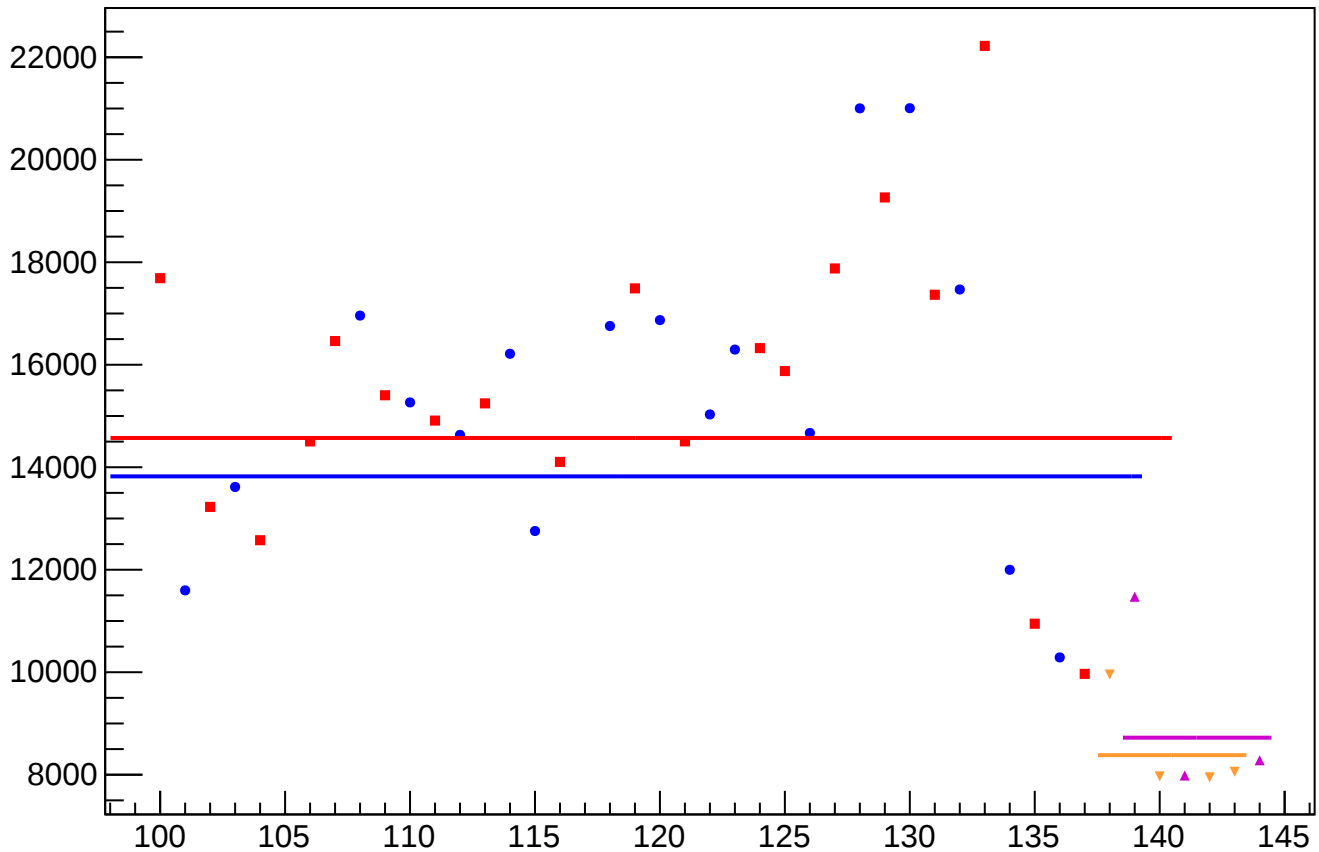
Left In: -2.681 ± 5.675 χ^2/NDF : 2.0/2

+ sign -7.502 ± 3.798 χ^2/NDF : 33.1/20

All: -6.936 ± 2.747 χ^2/NDF : 47.9/42

- sign -6.314 ± 3.979 χ^2/NDF : 14.8/21

diff_bpm4acX_rms vs Slug



Right In: 13821.849 $\pm$ 3.908 χ^2 /NDF: 607967.7/16

Left Out: 8382.349 $\pm$ 3.697 χ^2 /NDF:44785.4/3

Right Out: 14571.187 $\pm$ 3.946 χ^2 /NDF: 473951.9/18

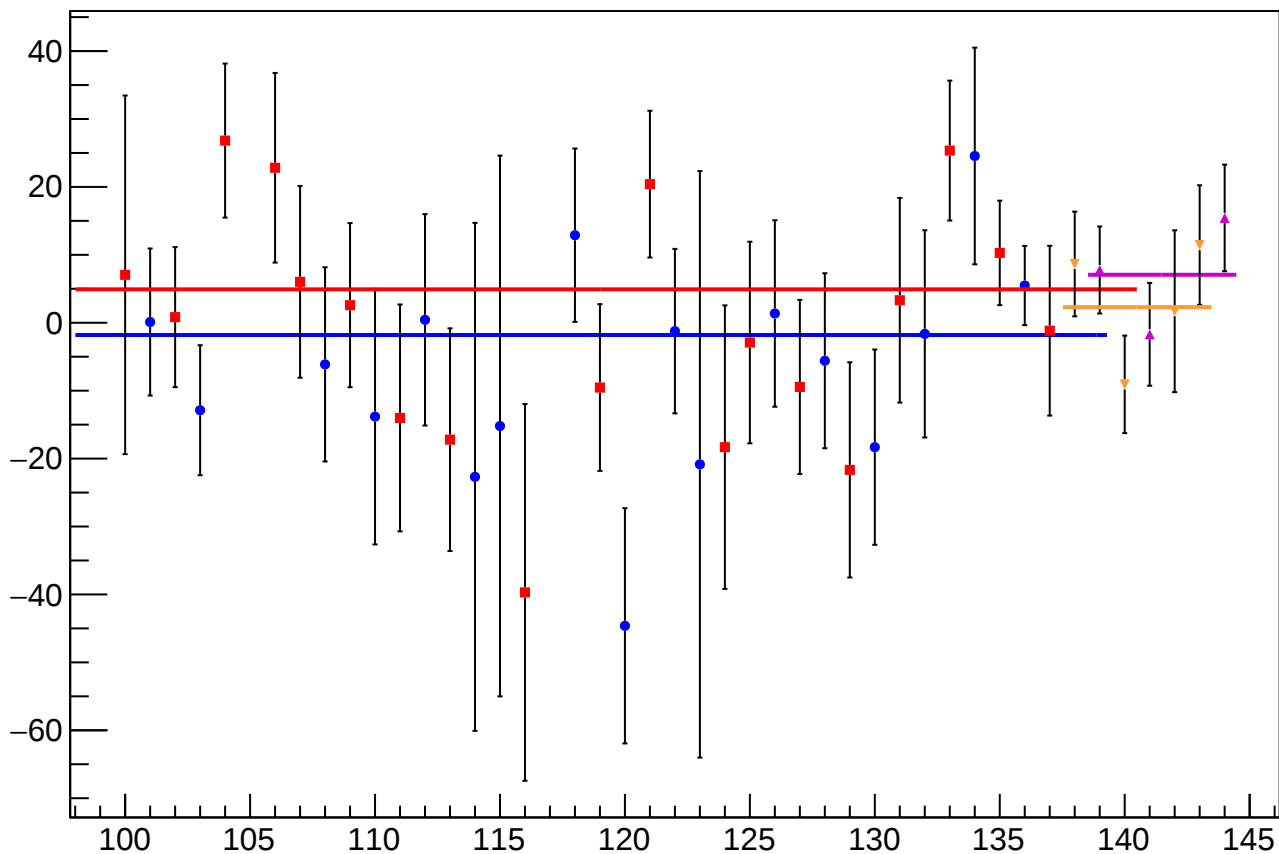
Left In: 8723.017 $\pm$ 4.013 χ^2 /NDF:102485.0/2

+ sign 10951.306 $\pm$ 2.686 χ^2 /NDF: 1675201.2/20

All: 11306.461 $\pm$ 1.943 χ^2 /NDF: 3367975.7/4

- sign 11696.324 $\pm$ 2.814 χ^2 /NDF: 1656088.1/21

diff_bpm4acY_mean vs Slug



Right In: -1.806 ± 3.112 χ^2/NDF : 15.7/16

Left Out: 2.304 ± 4.219 χ^2/NDF : 4.3/3

Right Out: 4.921 ± 2.968 χ^2/NDF : 25.0/18

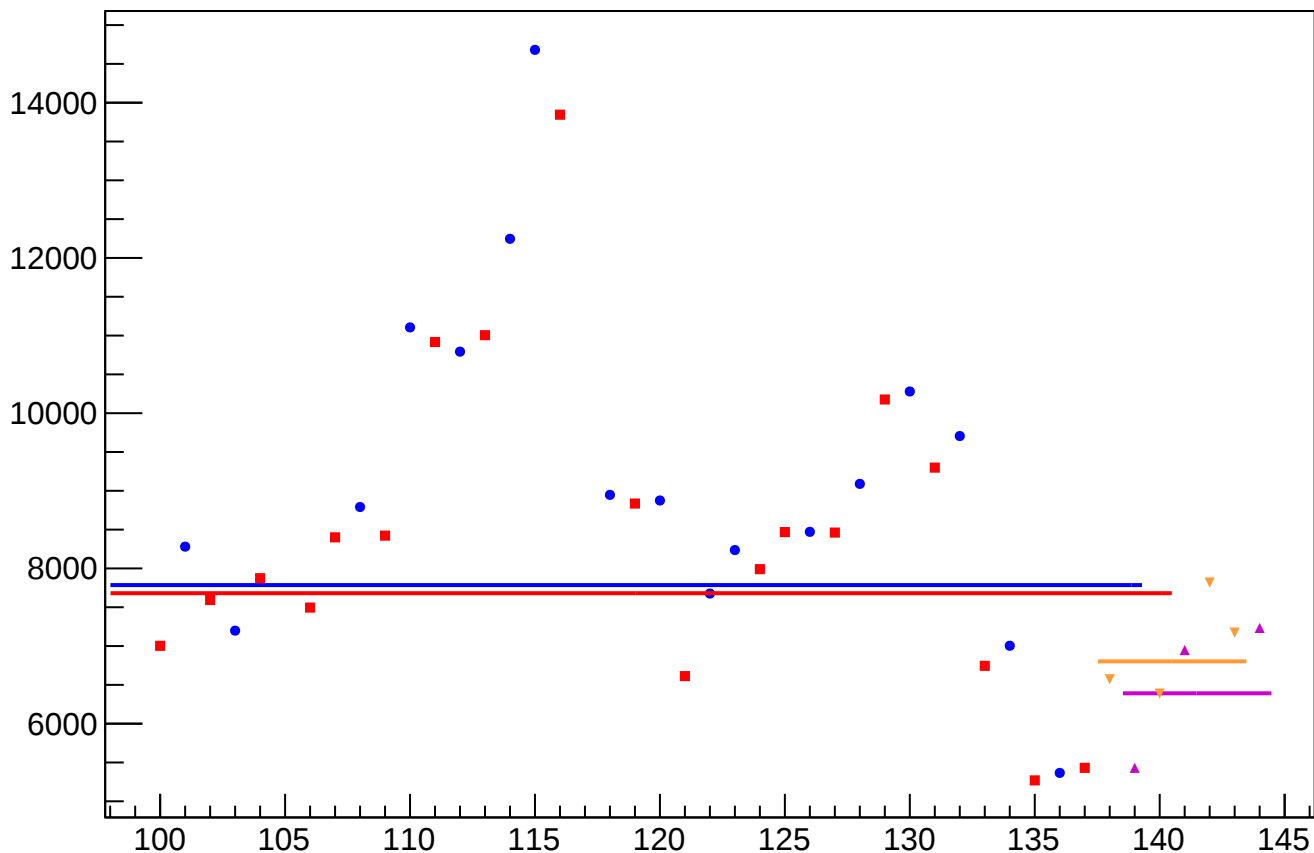
Left In: 7.066 ± 4.149 χ^2/NDF : 2.5/2

+ sign -0.357 ± 2.504 χ^2/NDF : 20.6/20

All: 2.755 ± 1.738 χ^2/NDF : 51.2/42

- sign 5.647 ± 2.414 χ^2/NDF : 27.6/21

diff_bpm4acY_rms vs Slug



Right In: 7785.499+/-2.201 χ^2/NDF : 738102.3/16

Left Out: 6802.695+/-2.983 χ^2/NDF : 26559.4/3

Right Out: 7681.068+/-2.099 χ^2/NDF : 672729.8/18

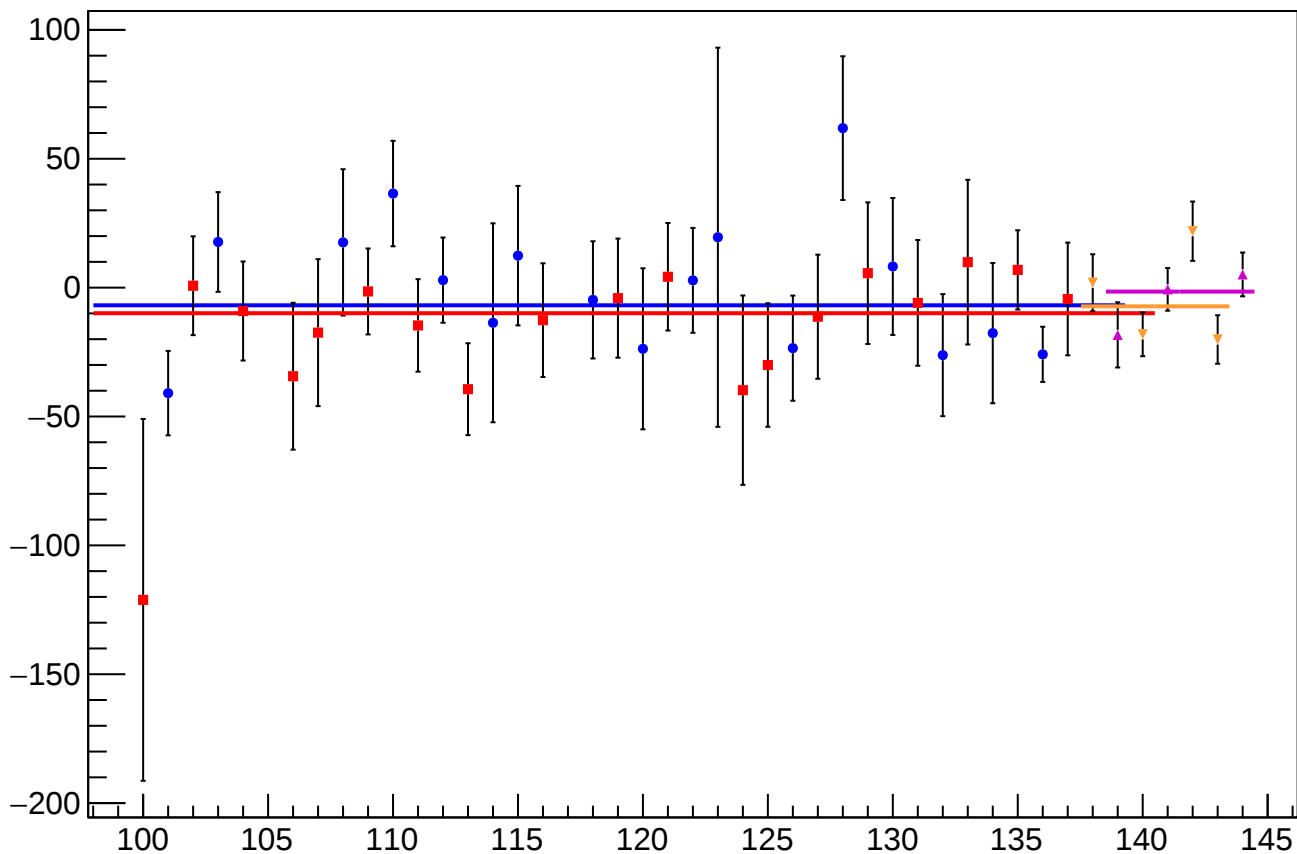
Left In: 6391.245+/-2.934 χ^2/NDF : 78845.2/2

+ sign 7439.134+/-1.771 χ^2/NDF : 834954.3/20

All: 7338.201+/-1.229 χ^2/NDF : 1720627.4/42

- sign 7244.403+/-1.707 χ^2/NDF : 879405.7/21

diff_bpm4ecX_mean vs Slug



Right In: -6.855 ± 5.113 $\chi^2/\text{NDF}: 23.8/16$

Left Out: -7.257 ± 4.942 $\chi^2/\text{NDF}: 10.6/3$

Right Out: -9.922 ± 5.084 $\chi^2/\text{NDF}: 10.6/18$

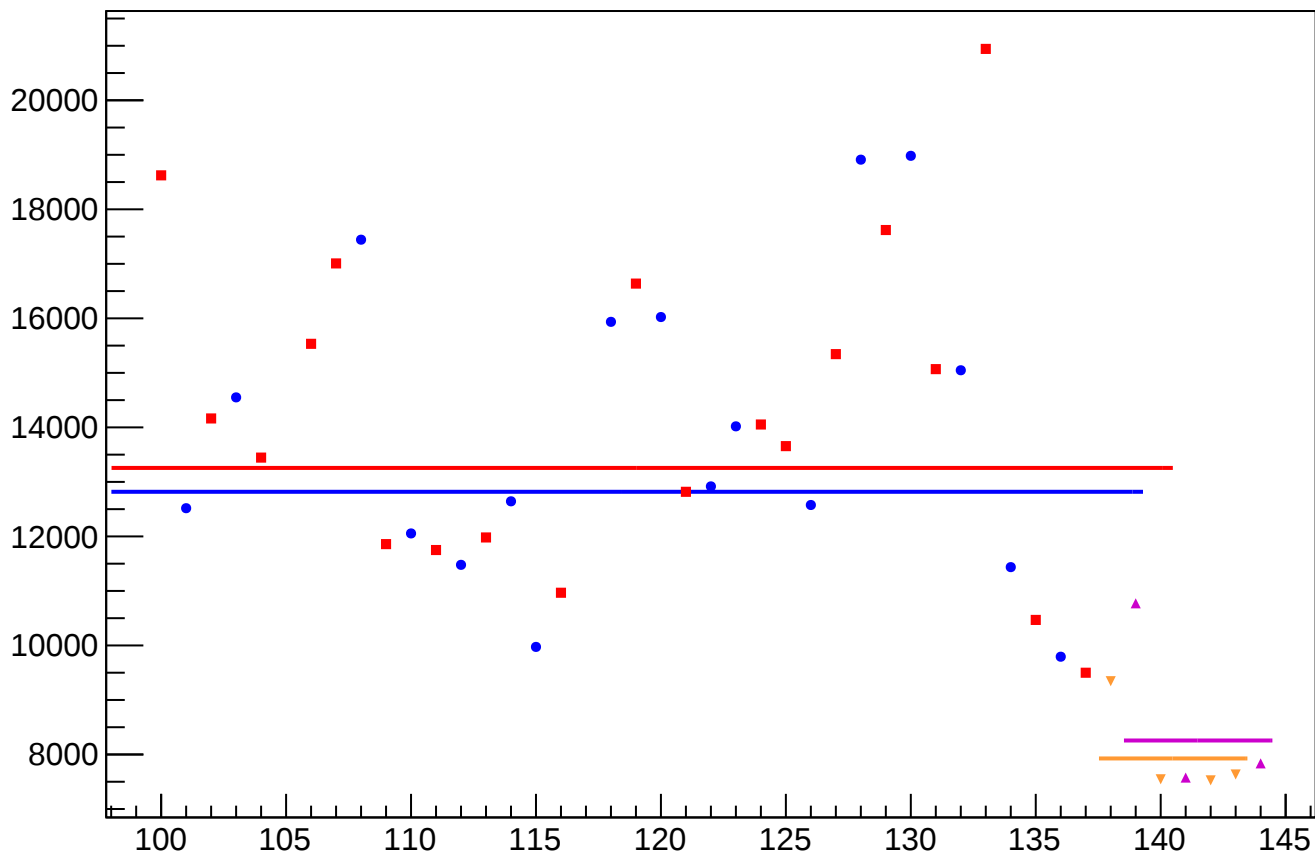
Left In: -1.533 ± 5.369 $\chi^2/\text{NDF}: 2.4/2$

+ sign -7.063 ± 3.554 $\chi^2/\text{NDF}: 34.4/20$

All: -6.531 ± 2.560 $\chi^2/\text{NDF}: 48.7/42$

- sign -5.956 ± 3.692 $\chi^2/\text{NDF}: 14.3/21$

diff_bpm4ecX_rms vs Slug



Right In: 12818.610 $\pm$ 3.615 χ^2/NDF : 553065.0/16

Left Out: 7927.112 $\pm$ 3.495 χ^2/NDF : 41458.7/3

Right Out: 13256.425 $\pm$ 3.595 χ^2/NDF : 486011.2/18

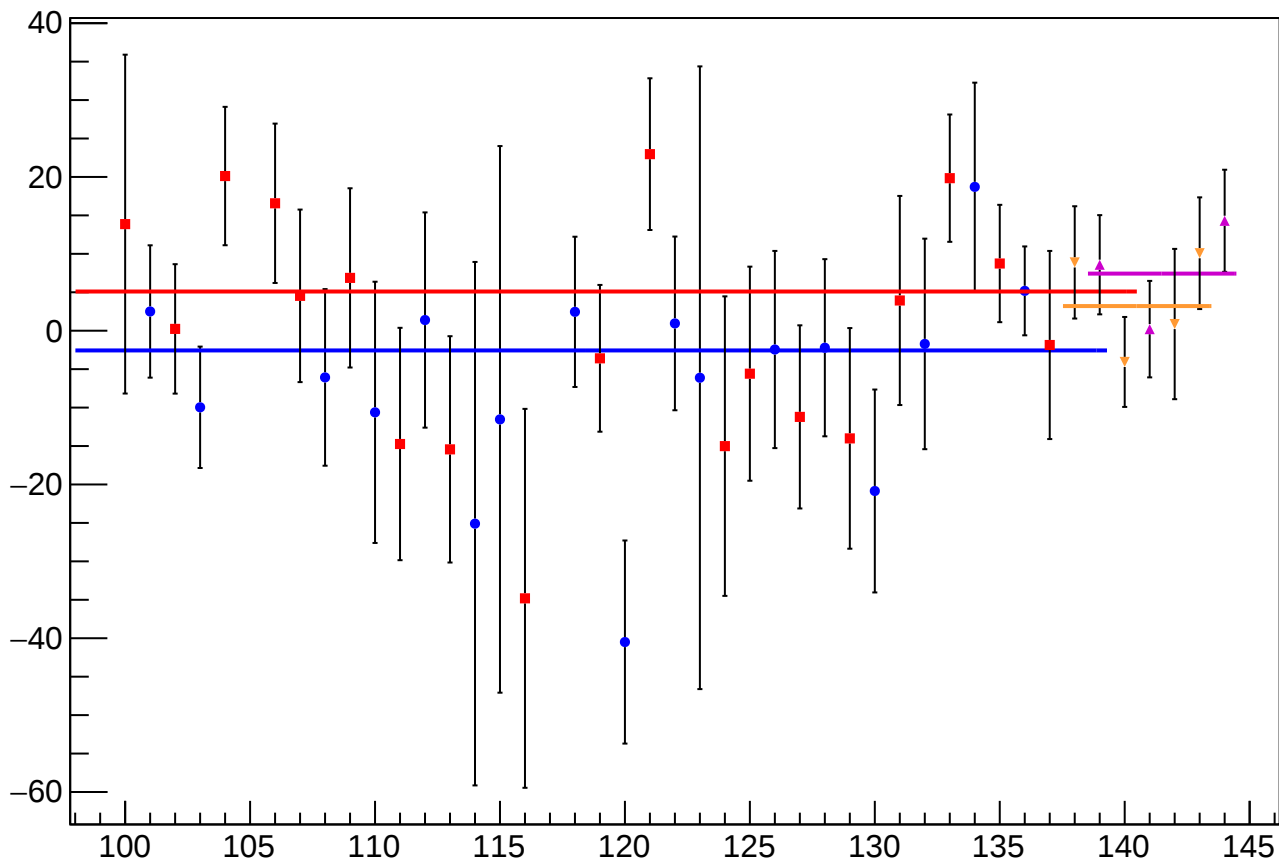
Left In: 8256.595 $\pm$ 3.797 χ^2/NDF : 97505.0/2

+ sign 10289.928 $\pm$ 2.513 χ^2/NDF : 1540805.0/20

All: 10579.817 $\pm$ 1.810 χ^2/NDF : 3066339.5/4

- sign 10892.697 $\pm$ 2.611 χ^2/NDF : 1497860.1/21

diff_bpm4ecY_mean vs Slug



Right In: -2.566 ± 2.752 χ^2/NDF : 16.9/16

Left Out: 3.205 ± 3.595 χ^2/NDF : 3.1/3

Right Out: 5.098 ± 2.595 χ^2/NDF : 24.0/18

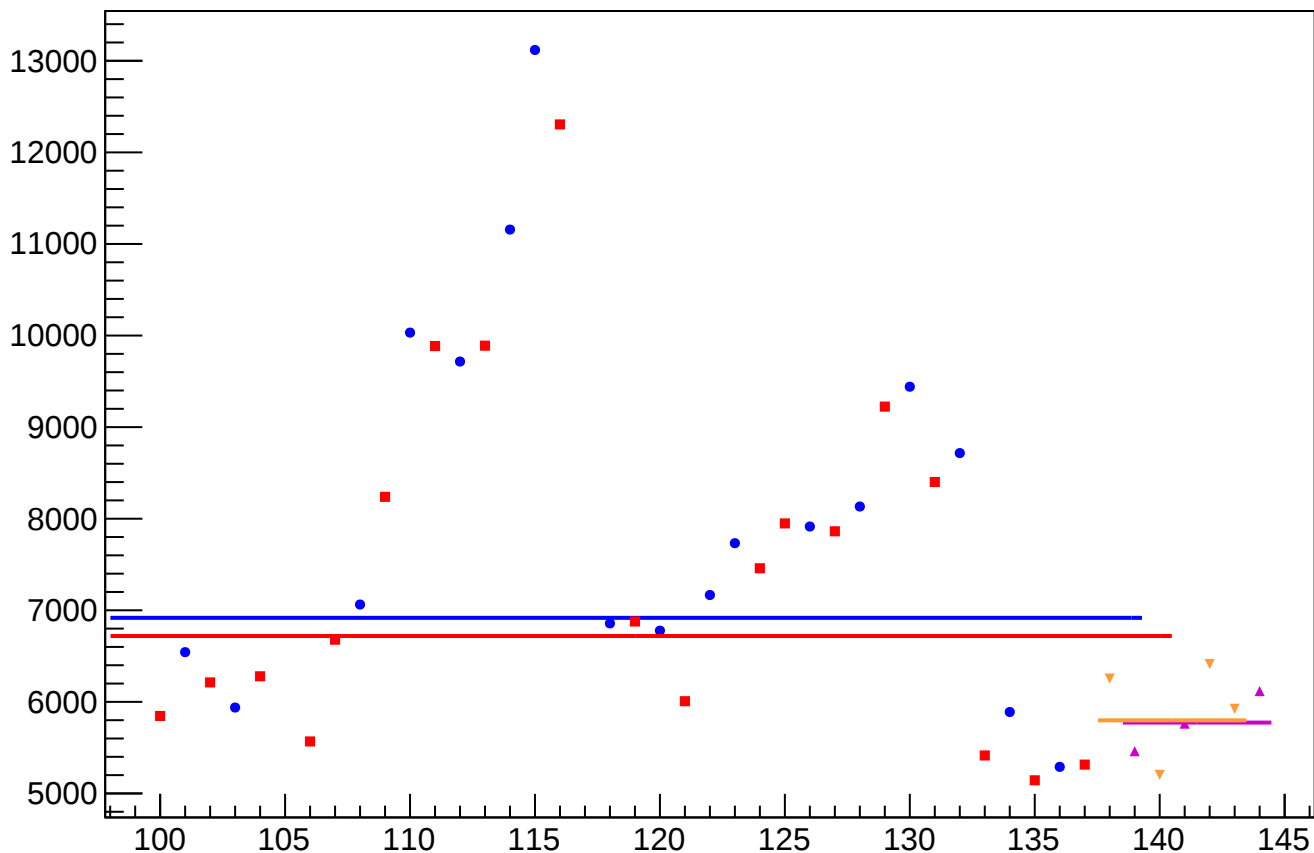
Left In: 7.427 ± 3.724 χ^2/NDF : 2.4/2

+ sign -0.434 ± 2.185 χ^2/NDF : 21.6/20

All: 2.795 ± 1.525 χ^2/NDF : 52.6/42

- sign 5.859 ± 2.129 χ^2/NDF : 26.6/21

diff_bpm4ecY_rms vs Slug



Right In: 6917.621+/-1.946 χ^2/NDF : 588010.6/16

Left Out: 5798.262+/-2.542 χ^2/NDF : 37001.0/3

Right Out: 6719.486+/-1.835 χ^2/NDF : 657829.3/18

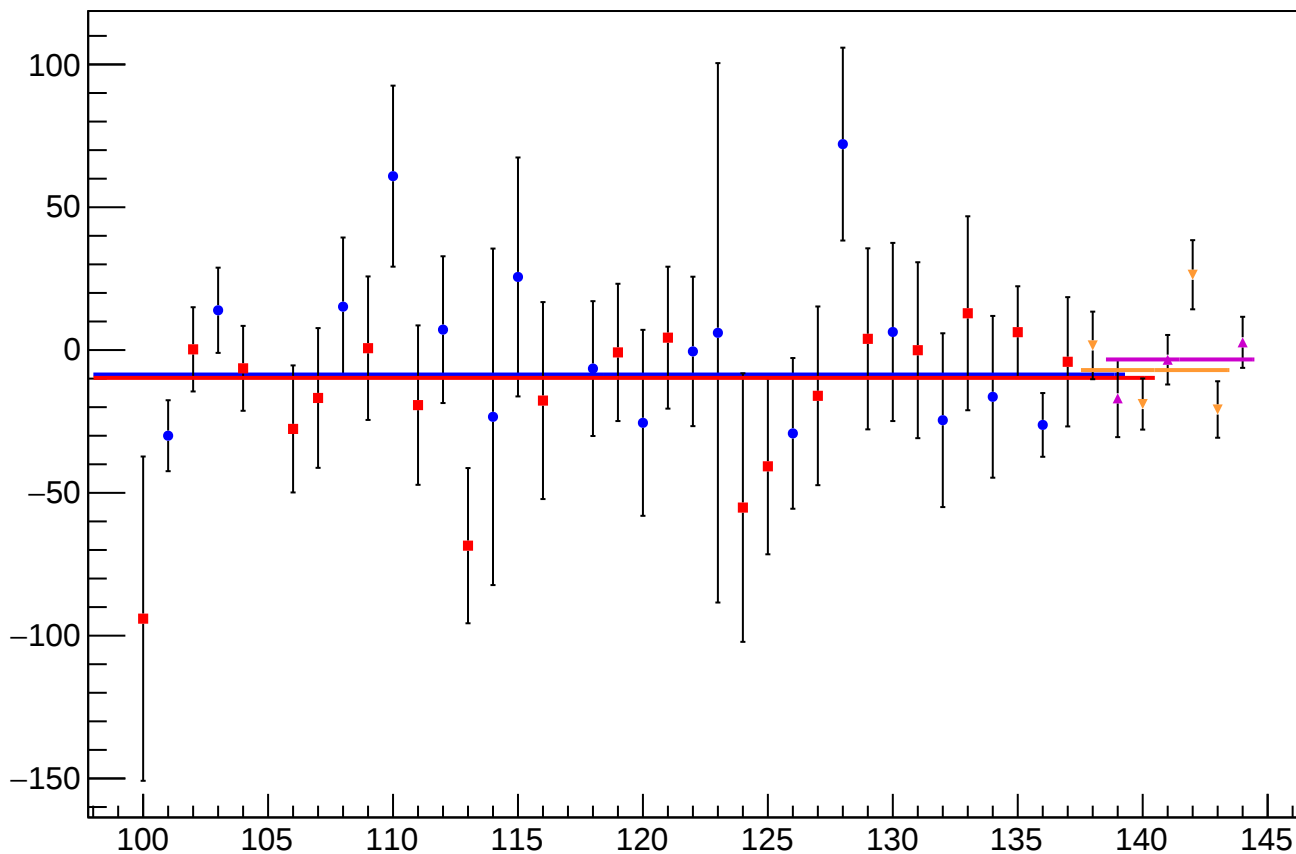
Left In: 5773.929+/-2.634 χ^2/NDF : 10056.9/2

+ sign 6504.080+/-1.545 χ^2/NDF : 747264.1/20

All: 6456.090+/-1.078 χ^2/NDF : 1503823.2/42

- sign 6410.542+/-1.505 χ^2/NDF : 754679.1/21

diff_bpm1X_mean vs Slug



Right In: -8.571+/-5.419 χ^2 /NDF: 21.9/16

Left Out: -7.012+/-5.222 χ^2 /NDF:11.8/3

Right Out: -9.742+/-5.521 χ^2 /NDF: 12.7/18

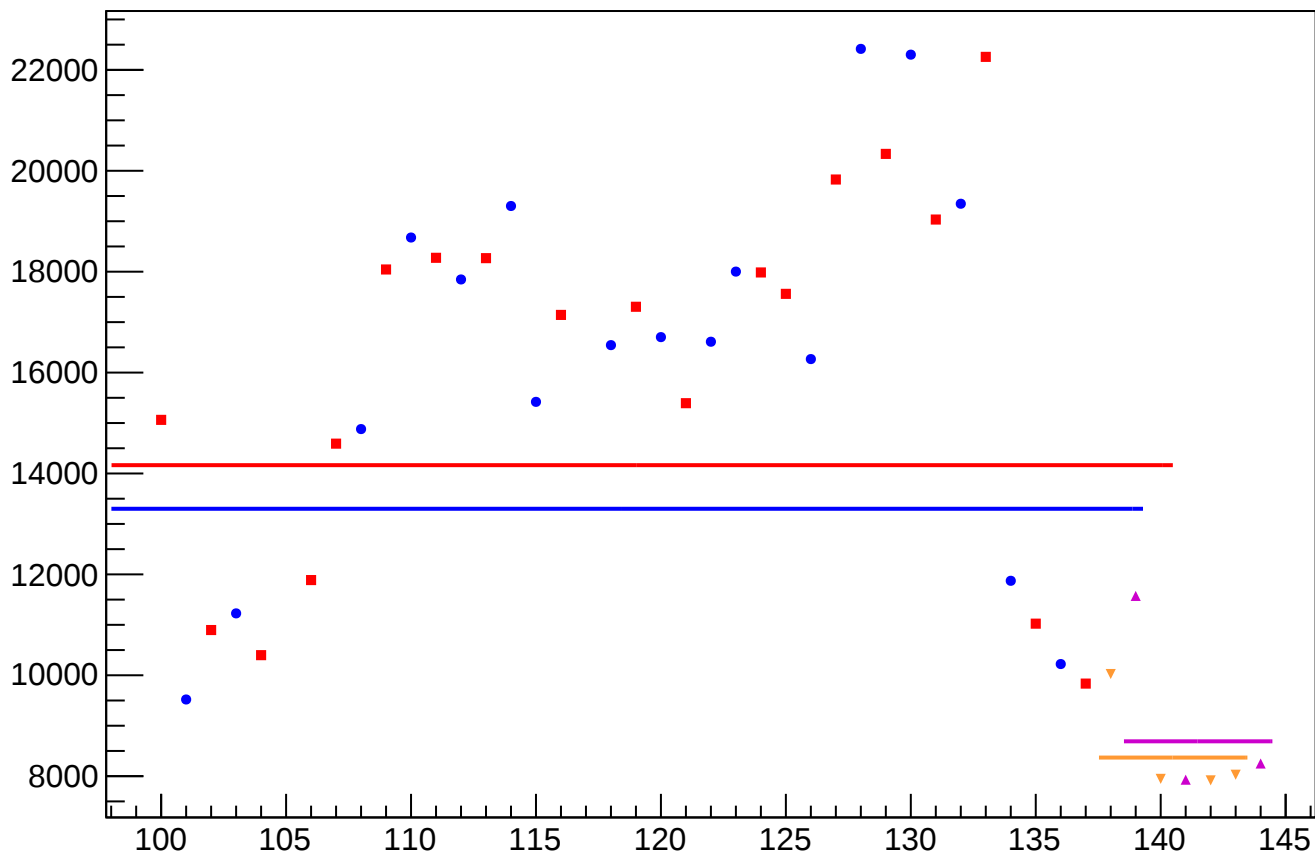
Left In: -3.292+/-5.660 χ^2 /NDF:1.5/2

+ sign -7.763+/-3.760 χ^2 /NDF: 33.8/20

All: -7.209+/-2.724 χ^2 /NDF: 48.6/42

- sign -6.597+/-3.952 χ^2 /NDF: 14.8/21

diff_bpm1X_rms vs Slug



Right In: 13300.415+/-3.832 χ^2/NDF : 1048873.0/16

Left Out: 8368.847+/-3.693 χ^2/NDF : 48779.4/3

Right Out: 14164.824+/-3.904 χ^2/NDF : 931262.5/18

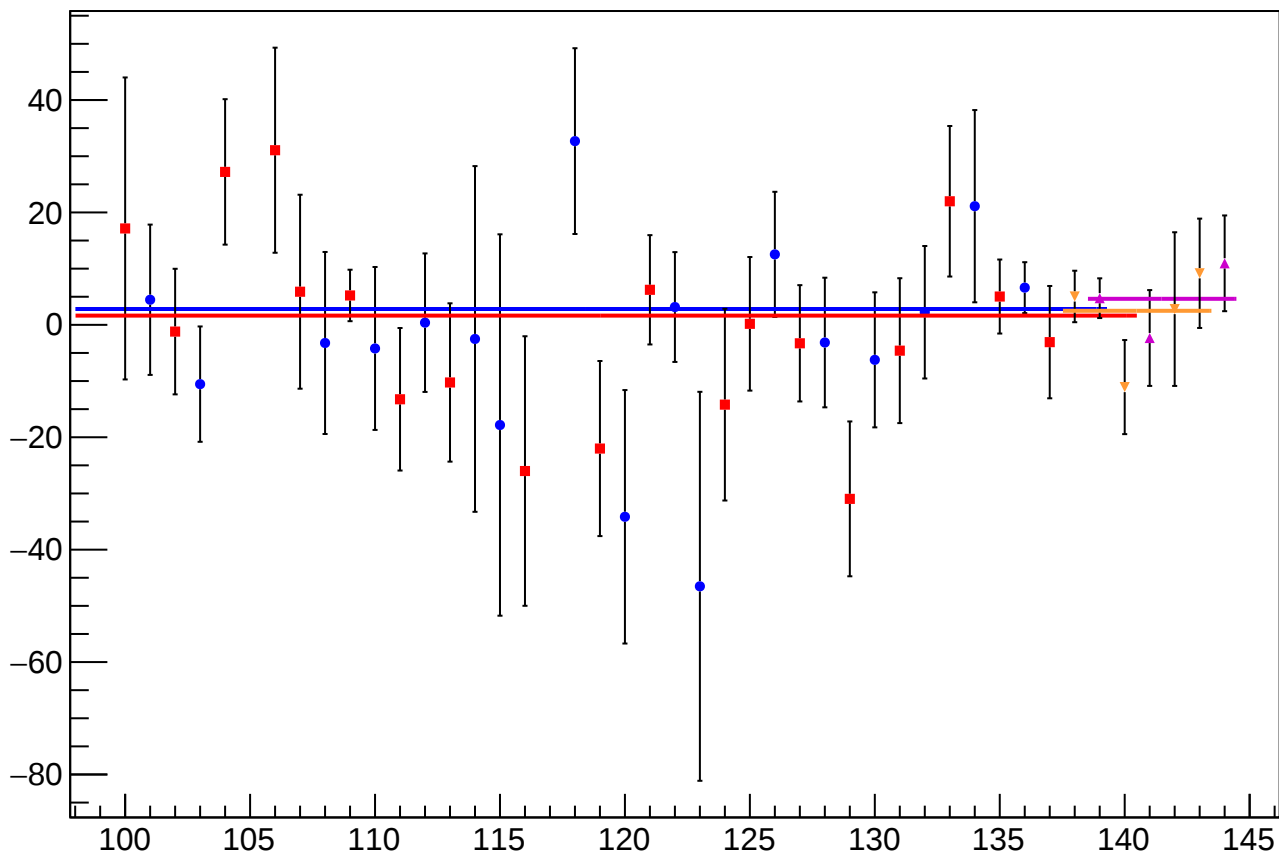
Left In: 8690.821+/-4.002 χ^2/NDF : 110203.6/2

+ sign 10743.664+/-2.659 χ^2/NDF : 1956498.6/20

All: 11100.974+/-1.926 χ^2/NDF : 3994673.1/4

- sign 11495.650+/-2.794 χ^2/NDF : 2000168.5/21

diff_bpm1Y_mean vs Slug



Right In: 2.820 ± 2.762 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 2.500 ± 3.584 $\chi^2/\text{NDF}: 3.4/3$

Right Out: 1.643 ± 2.447 $\chi^2/\text{NDF}: 23.3/18$

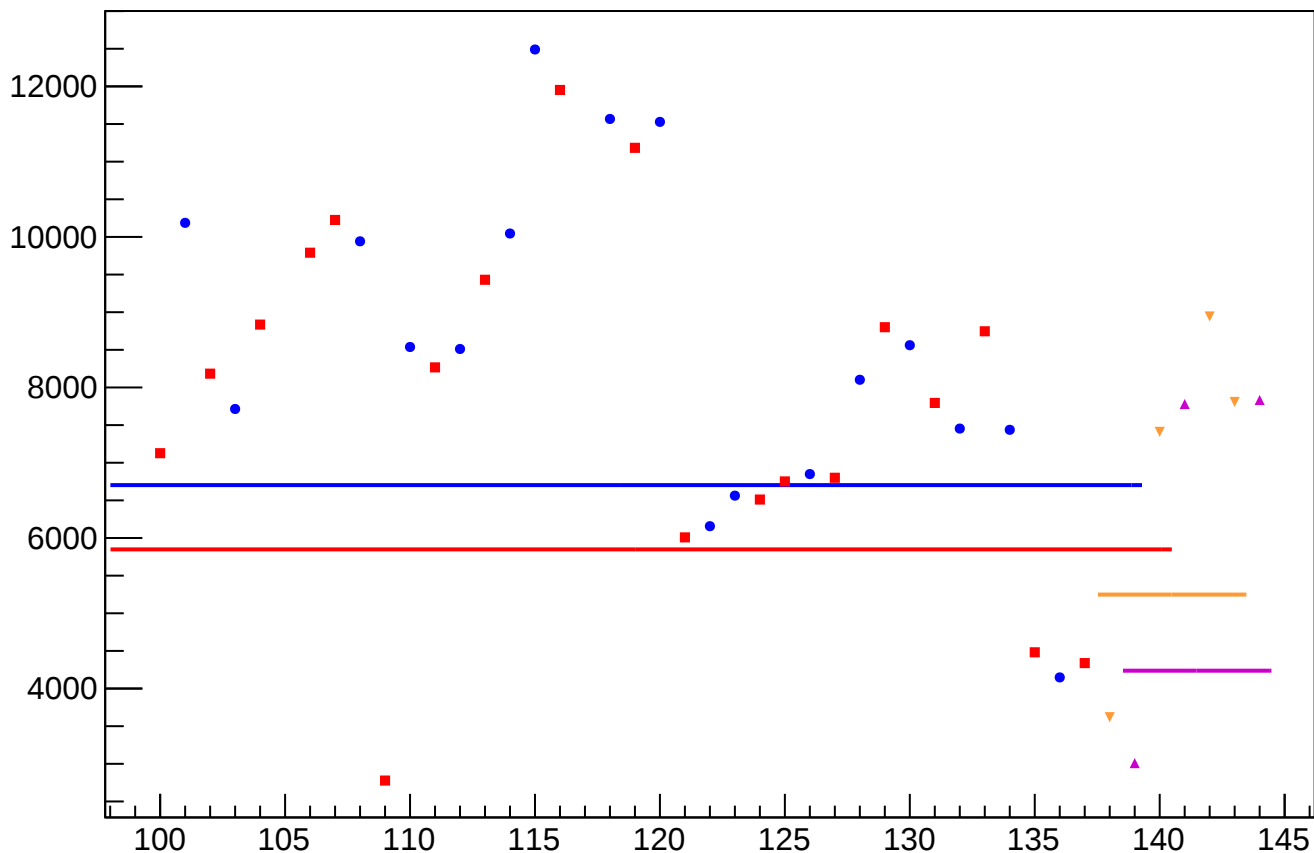
Left In: 4.632 ± 3.049 $\chi^2/\text{NDF}: 1.2/2$

+ sign 2.700 ± 2.188 $\chi^2/\text{NDF}: 17.4/20$

All: 2.765 ± 1.438 $\chi^2/\text{NDF}: 42.5/42$

- sign 2.814 ± 1.908 $\chi^2/\text{NDF}: 25.1/21$

diff_bpm1Y_rms vs Slug



Right In: 6702.778+/-1.953 χ^2/NDF : 1389564.7/16

Left Out: 5248.480+/-2.534 χ^2/NDF : 670984.7/3

Right Out: 5848.805+/-1.731 χ^2/NDF : 2281985.9/18

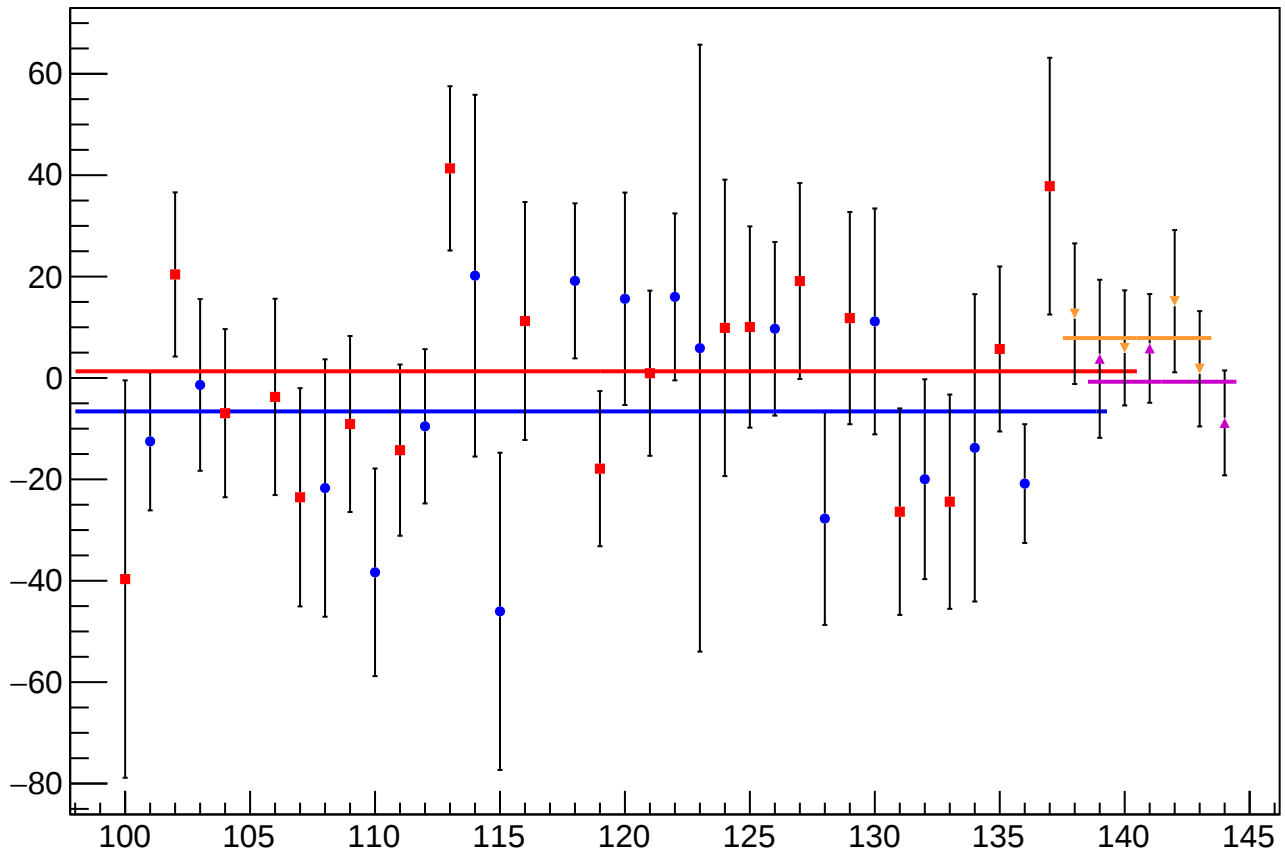
Left In: 4237.331+/-2.156 χ^2/NDF : 943416.3/2

+ sign 6160.687+/-1.547 χ^2/NDF : 2267160.3/20

All: 5624.915+/-1.017 χ^2/NDF : 6043590.7/42

- sign 5217.252+/-1.349 χ^2/NDF : 3565237.0/21

diff_bpm11X_mean vs Slug



Right In: -6.592 +/- 4.559 χ^2/NDF : 15.7/16

Left Out: 7.877 +/- 6.229 χ^2/NDF : 0.7/3

Right Out: 1.319 +/- 4.382 χ^2/NDF : 20.1/18

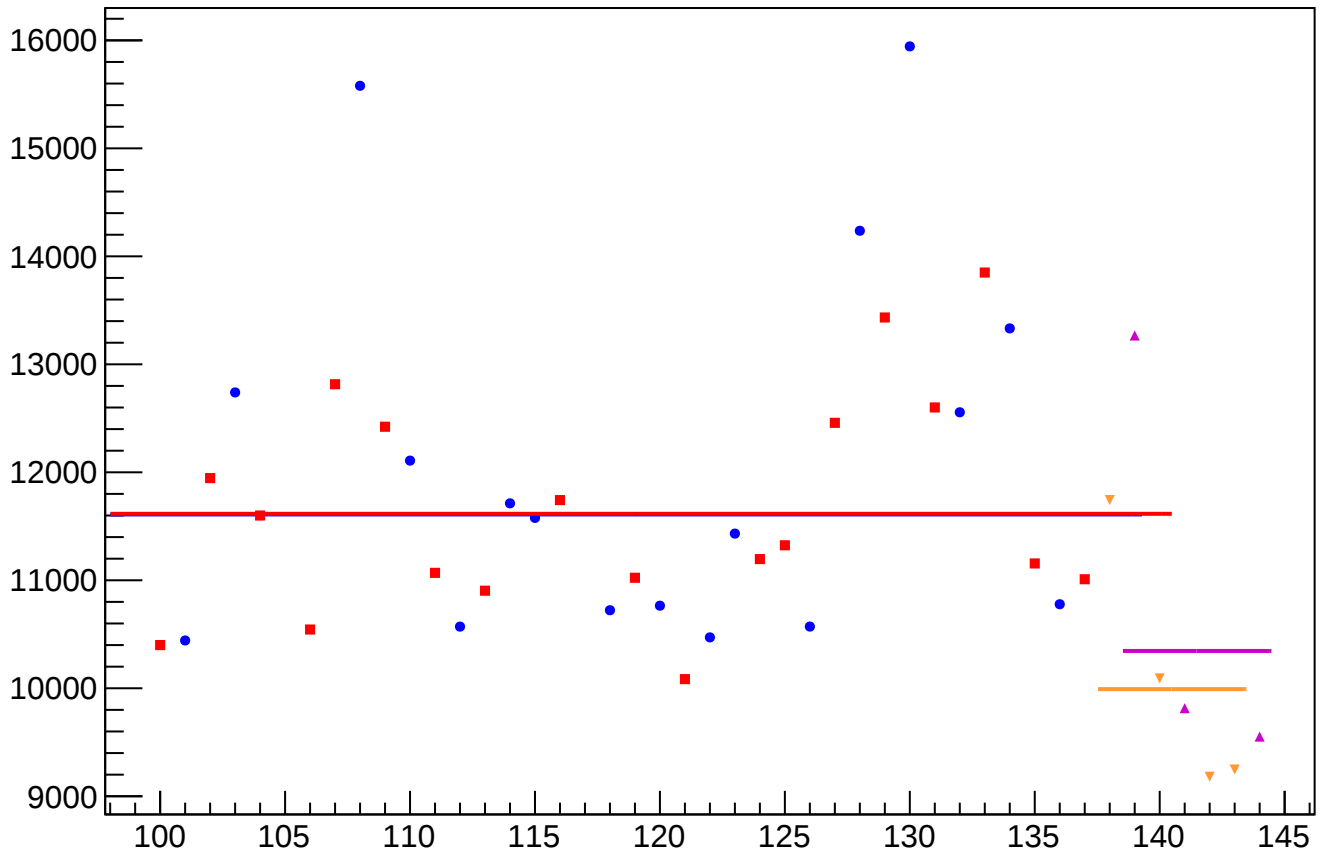
Left In: -0.740 +/- 6.720 χ^2/NDF : 1.1/2

+ sign -1.544 +/- 3.679 χ^2/NDF : 19.9/20

All: -0.417 +/- 2.599 χ^2/NDF : 41.3/42

- sign 0.705 +/- 3.671 χ^2/NDF : 21.2/21

diff_bpm11X_rms vs Slug



Right In: 11609.845+/-3.224 χ^2/NDF : 238142.5/16

Left Out: 9992.192+/-4.404 χ^2/NDF : 47319.0/3

+ sign 11045.484+/-2.601 χ^2/NDF : 373297.0/20

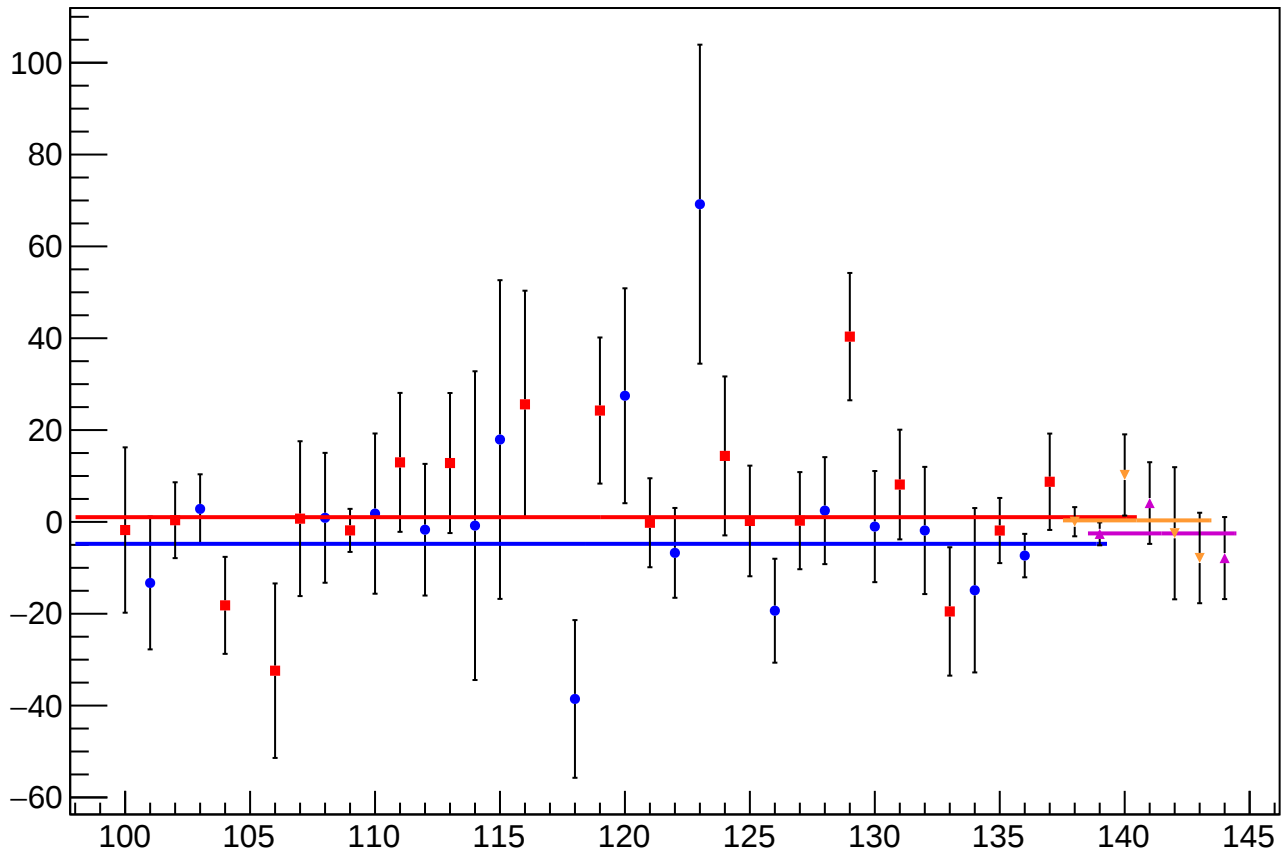
Right Out: 11615.563+/-3.099 χ^2/NDF : 95603.2/18

All: 11141.267+/-1.837 χ^2/NDF : 608548.9/42

- sign 11236.620+/-2.596 χ^2/NDF : 232546.8/21

Left In: 10345.674+/-4.752 χ^2/NDF : 86831.3/2

diff_bpm11Y_mean vs Slug



Right In: -4.776 ± 2.787 χ^2/NDF : 15.3/16

Left Out: 0.330 ± 2.806 χ^2/NDF : 2.0/3

Right Out: 1.032 ± 2.434 χ^2/NDF : 23.0/18

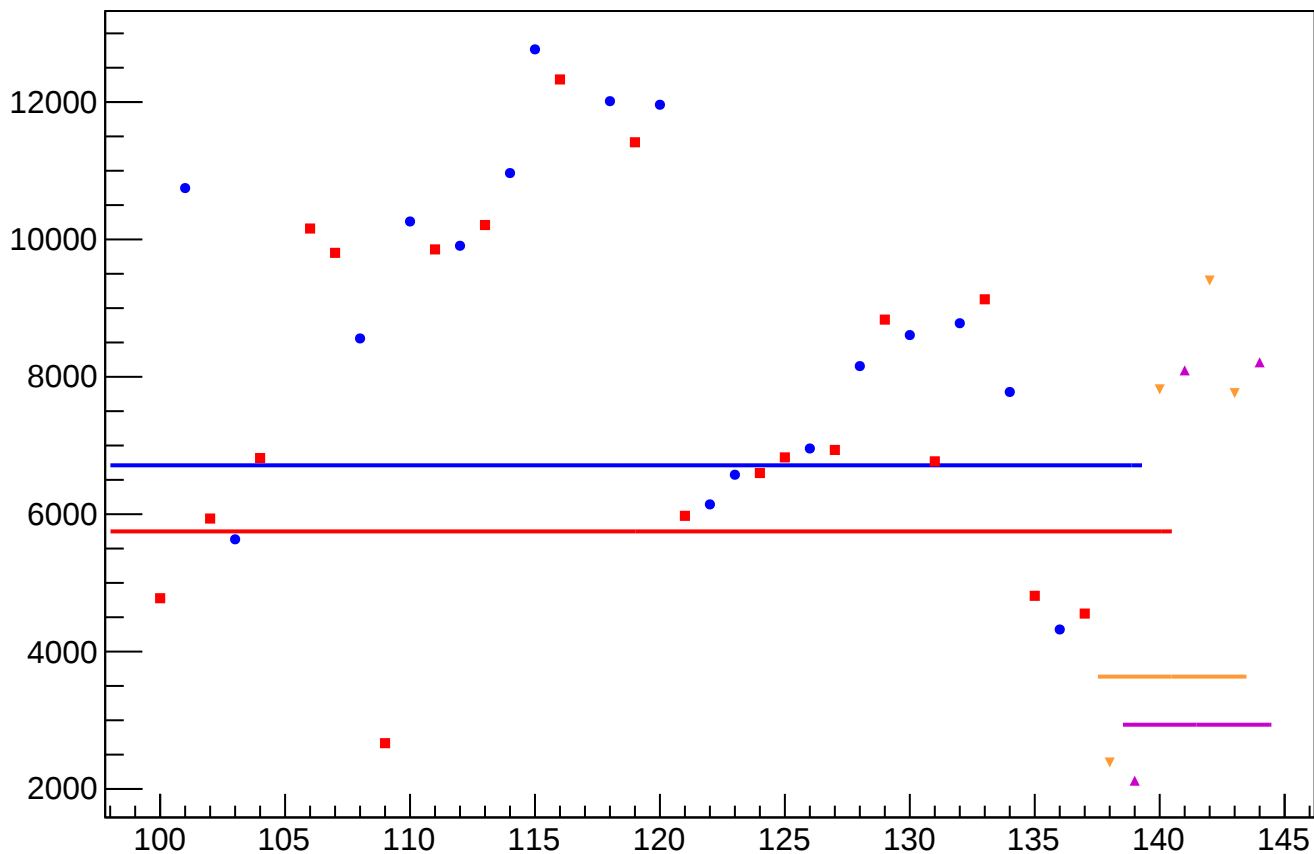
Left In: -2.505 ± 2.317 χ^2/NDF : 0.9/2

+ sign -2.240 ± 1.978 χ^2/NDF : 18.9/20

All: -1.417 ± 1.279 χ^2/NDF : 44.3/42

- sign -0.824 ± 1.678 χ^2/NDF : 25.0/21

diff_bpm11Y_rms vs Slug



Right In: 6711.784+/-1.971 χ^2/NDF : 1446319.6/16

Left Out: 3635.355+/-1.984 χ^2/NDF : 1429310.3/3

Right Out: 5749.579+/-1.721 χ^2/NDF : 2167509.2/18

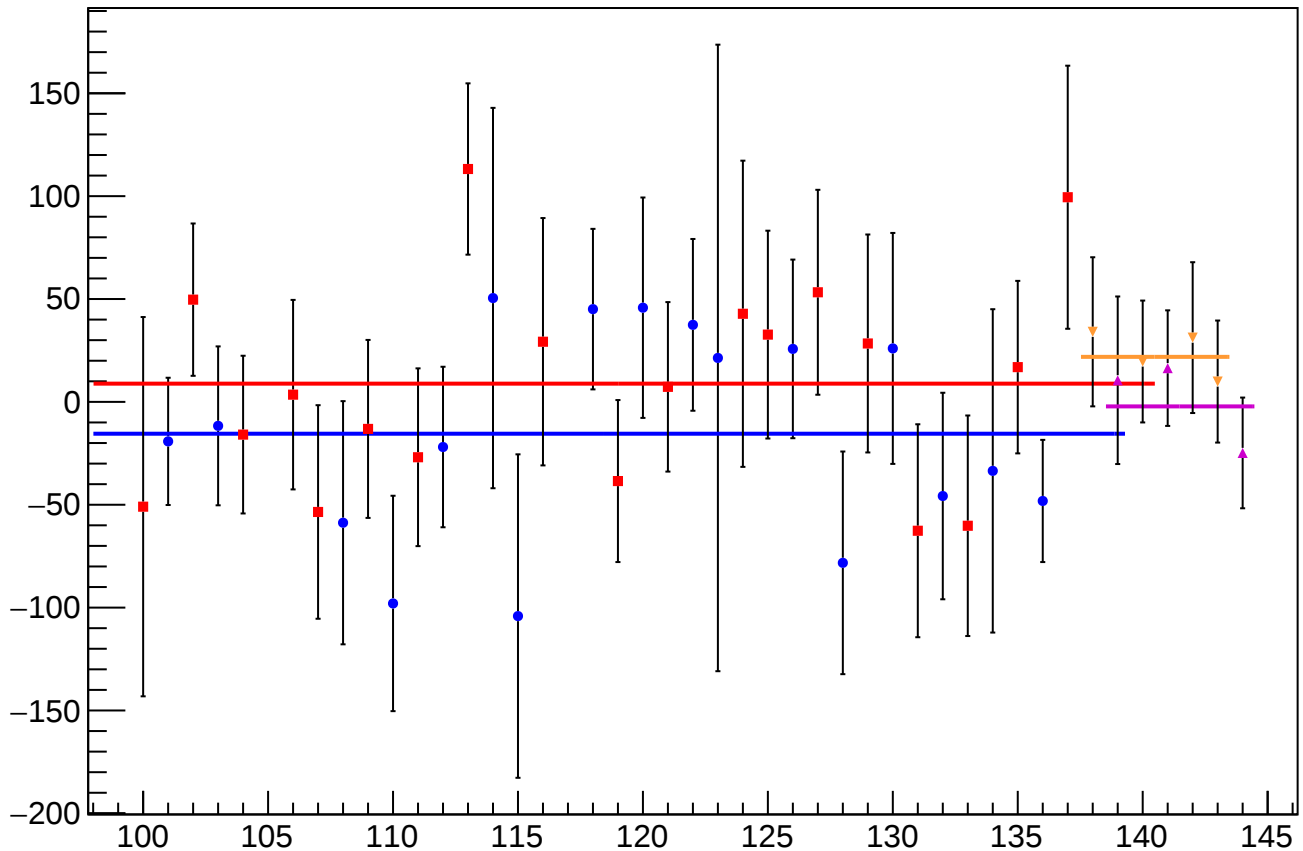
Left In: 2935.464+/-1.638 χ^2/NDF : 1584330.4/2

+ sign 5184.049+/-1.398 χ^2/NDF : 4085513.6/20

All: 4654.498+/-0.905 χ^2/NDF : 9486965.9/42

- sign 4273.297+/-1.186 χ^2/NDF : 5154827.0/21

diff_bpm12X_mean vs Slug



Right In: -15.474 ± 11.317 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 21.887 ± 16.260 $\chi^2/\text{NDF}: 0.3/3$

Right Out: 8.865 ± 10.914 $\chi^2/\text{NDF}: 19.3/18$

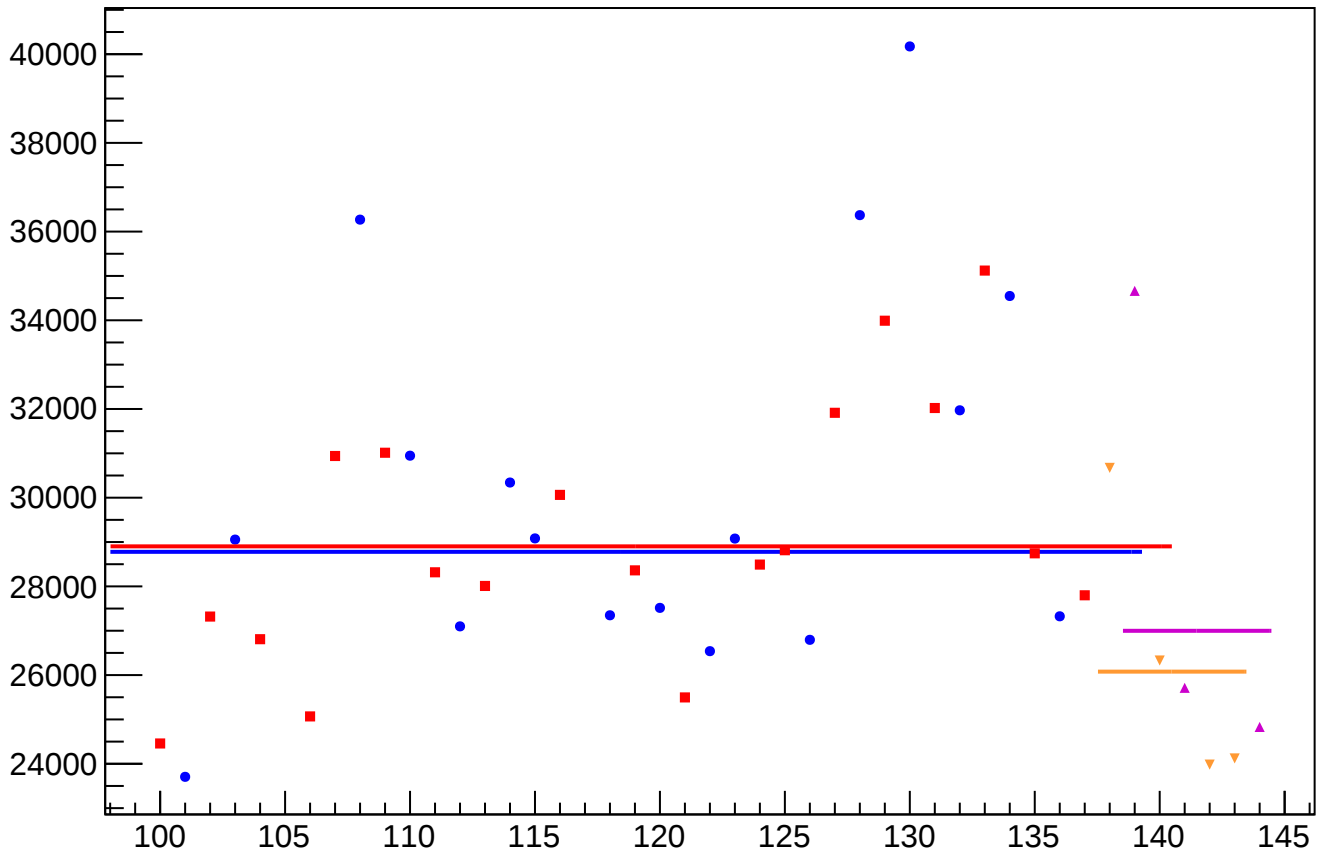
Left In: -2.196 ± 17.537 $\chi^2/\text{NDF}: 1.2/2$

+ sign -3.281 ± 9.289 $\chi^2/\text{NDF}: 18.6/20$

All: 1.259 ± 6.560 $\chi^2/\text{NDF}: 39.8/42$

- sign 5.777 ± 9.266 $\chi^2/\text{NDF}: 20.8/21$

diff_bpm12X_rms vs Slug



Right In: 28779.223+/-8.003 χ^2/NDF : 252972.7/16

Left Out: 26077.867+/-11.498 χ^2/NDF : 47536.0/3

+ sign 27897.643+/-6.568 χ^2/NDF : 337695.3/20

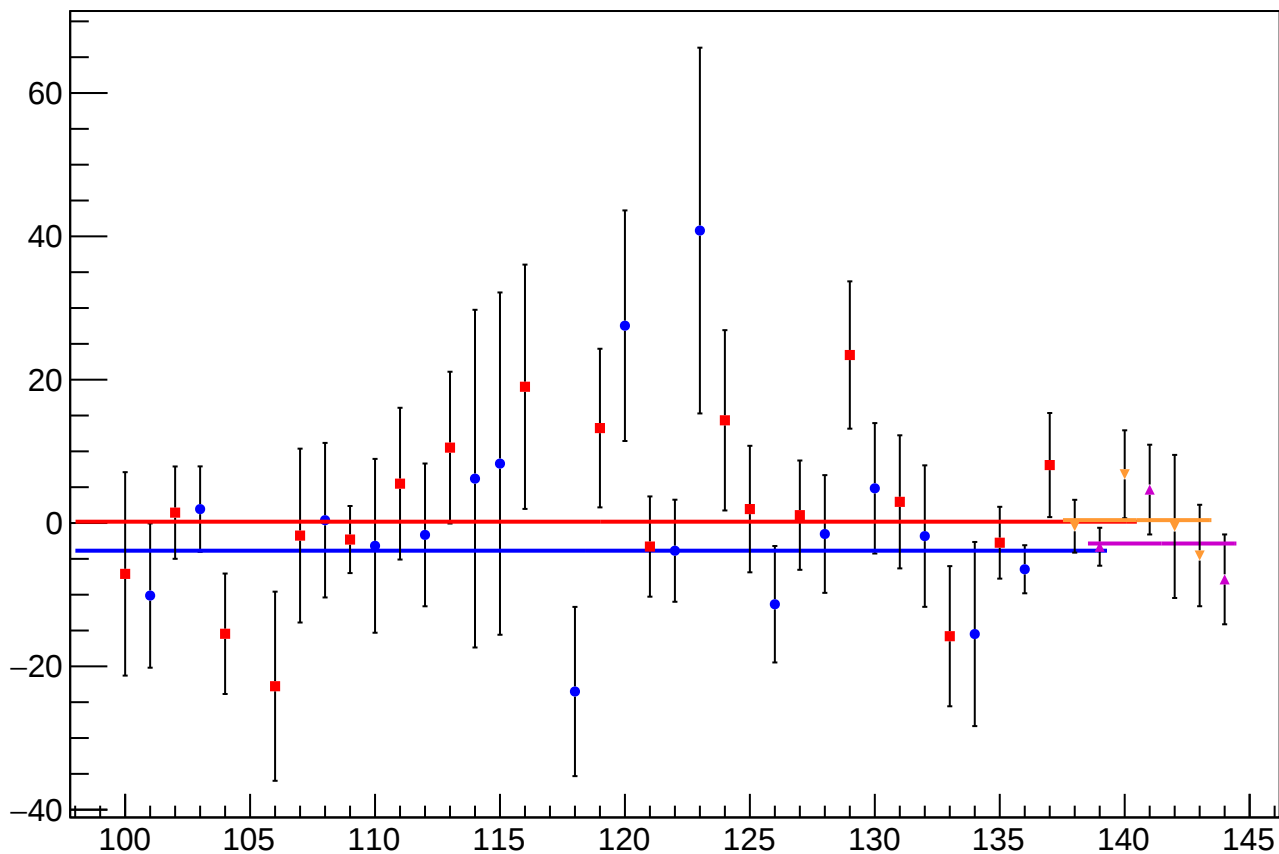
Right Out: 28902.401+/-7.717 χ^2/NDF : 112698.1/18

All: 28134.823+/-4.639 χ^2/NDF : 558012.1/42

- sign 28370.843+/-6.552 χ^2/NDF : 217715.3/21

Left In: 26998.290+/-12.401 χ^2/NDF : 88022.2/2

diff_bpm12Y_mean vs Slug



Right In: -3.861 ± 2.014 χ^2/NDF : 14.9/16

Left Out: 0.403 ± 2.771 χ^2/NDF : 1.6/3

Right Out: 0.185 ± 1.897 χ^2/NDF : 21.9/18

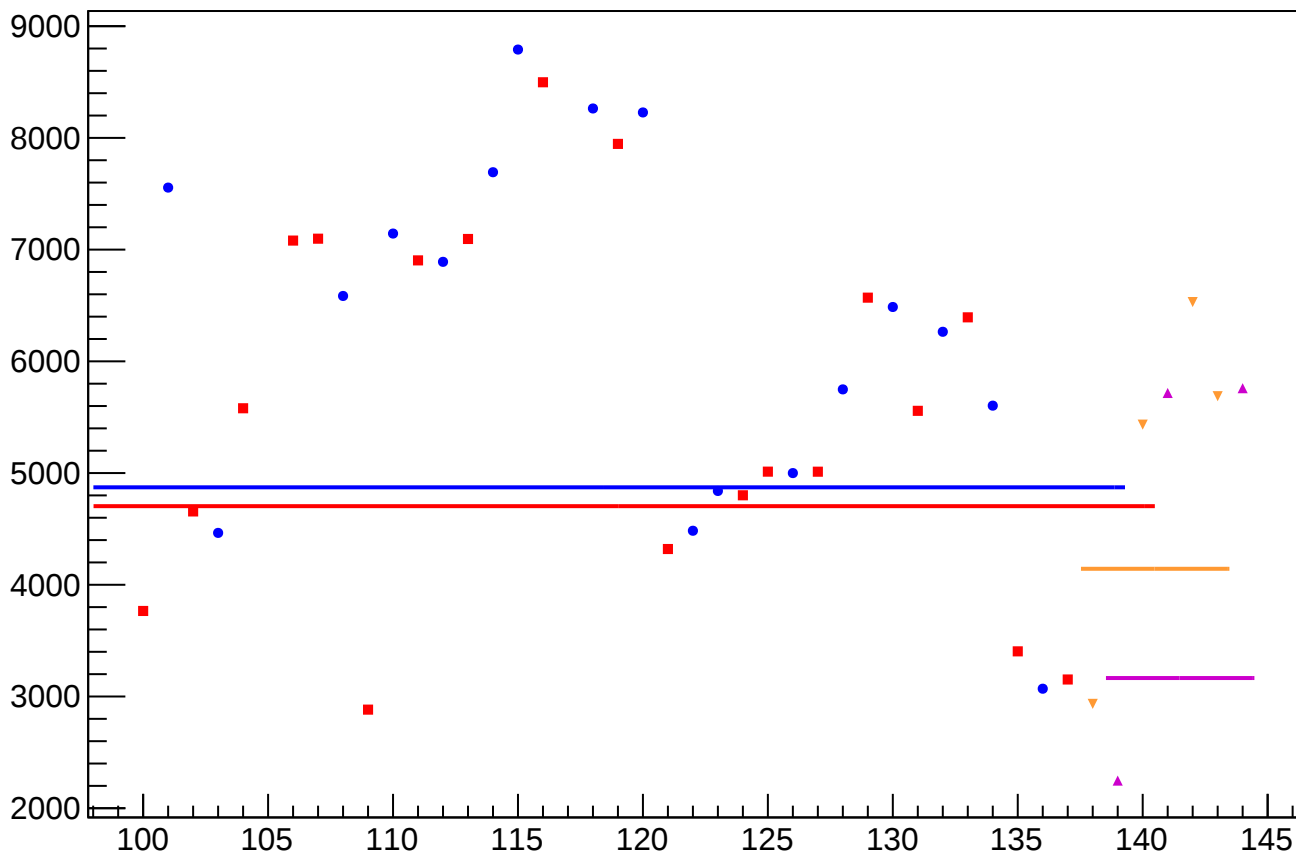
Left In: -2.859 ± 2.272 χ^2/NDF : 2.1/2

+ sign -2.387 ± 1.629 χ^2/NDF : 18.1/20

All: -1.652 ± 1.086 χ^2/NDF : 43.5/42

- sign -1.065 ± 1.456 χ^2/NDF : 25.1/21

diff_bpm12Y_rms vs Slug



Right In: 4872.339+/-1.424 χ^2/NDF : 1404599.6/16

Left Out: 4143.150+/-1.959 χ^2/NDF : 513505.1/3

Right Out: 4703.667+/-1.341 χ^2/NDF : 1315659.7/18

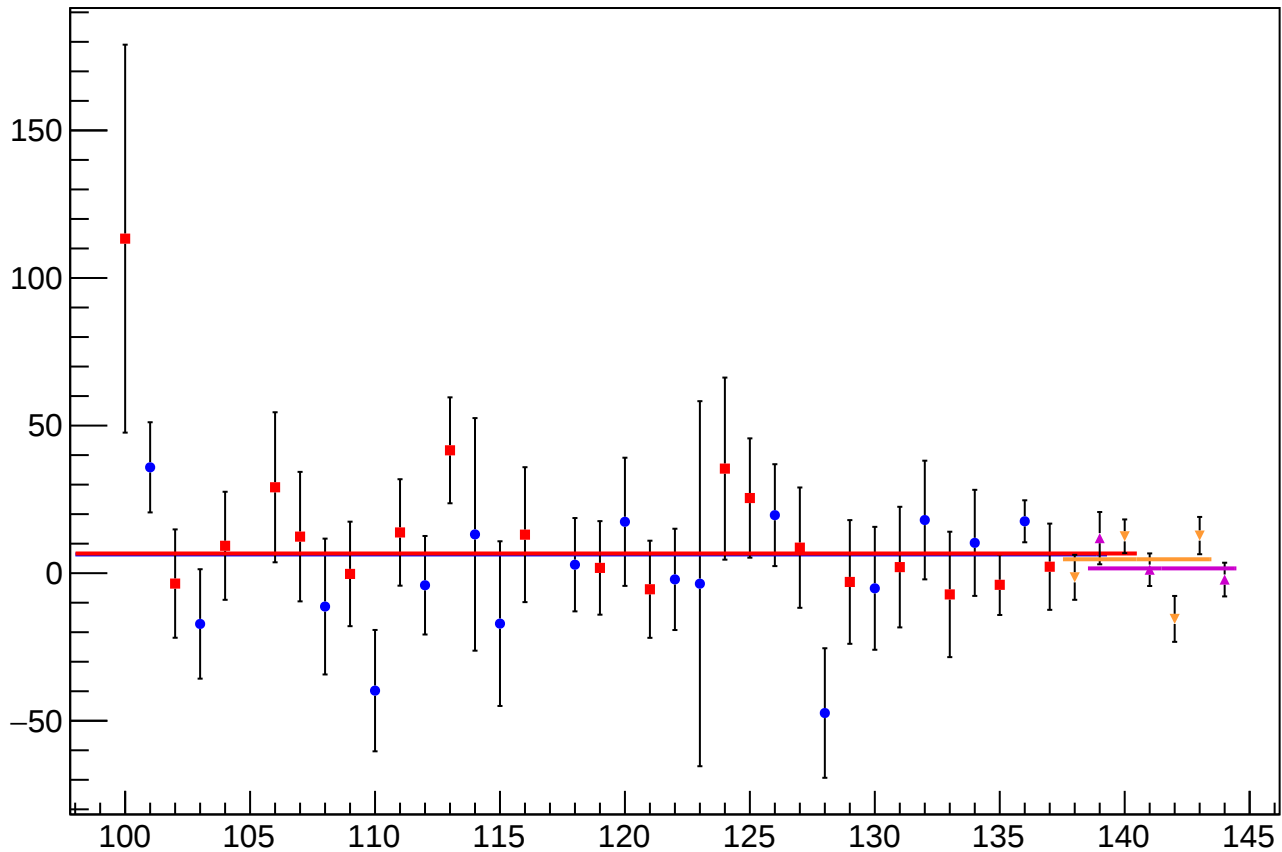
Left In: 3165.251+/-1.606 χ^2/NDF : 915206.7/2

+ sign 4620.325+/-1.152 χ^2/NDF : 2008726.8/20

All: 4315.371+/-0.768 χ^2/NDF : 4906047.4/42

- sign 4071.769+/-1.030 χ^2/NDF : 2771257.9/21

diff_bpm16X_mean vs Slug



Right In: 6.348 $\pm$ 4.088 χ^2 /NDF: 22.4/16

Left Out: 4.710 $\pm$ 3.343 χ^2 /NDF:10.9/3

Right Out: 6.668 $\pm$ 4.232 χ^2 /NDF: 12.2/18

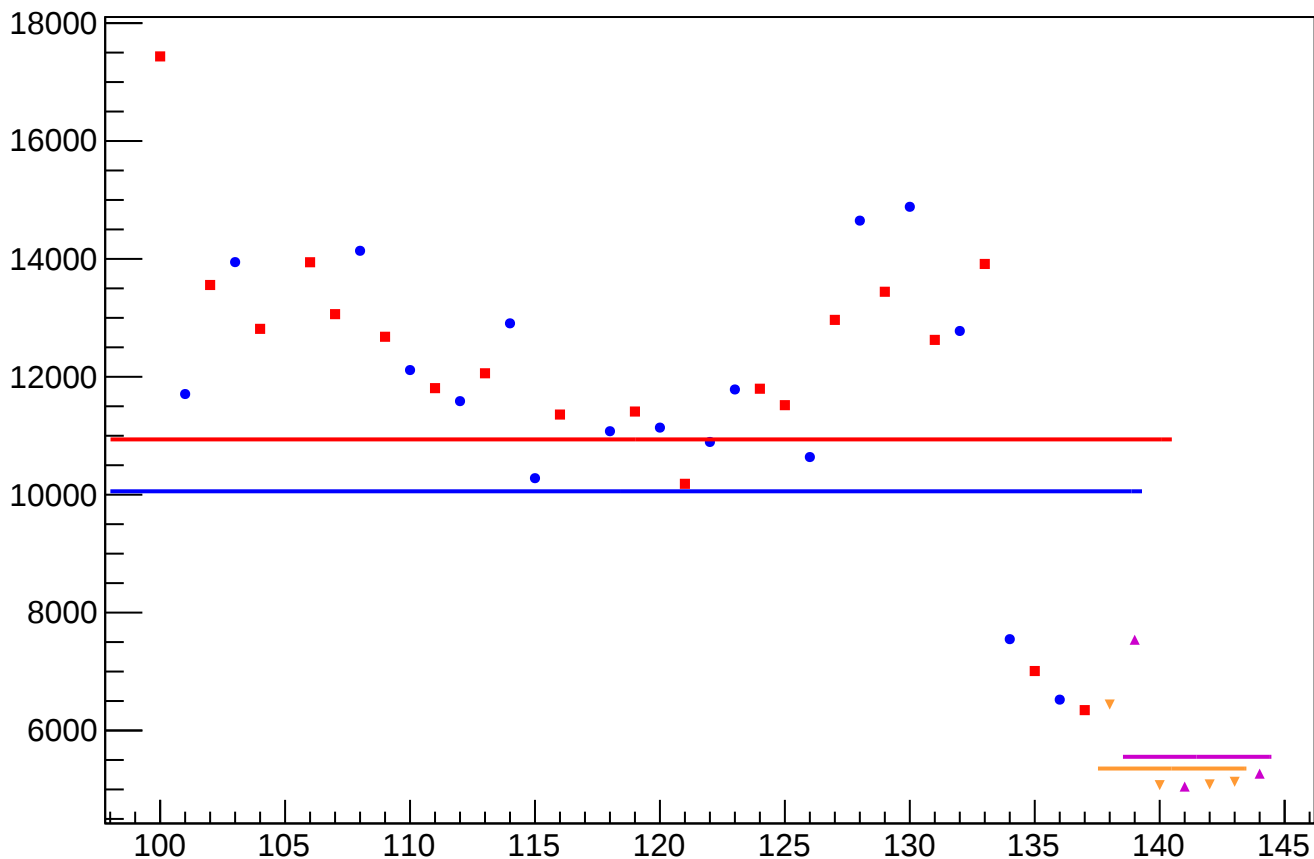
Left In: 1.620 $\pm$ 3.621 χ^2 /NDF:1.8/2

+ sign 5.367 $\pm$ 2.588 χ^2 /NDF: 33.4/20

All: 4.610 $\pm$ 1.885 χ^2 /NDF: 48.4/42

- sign 3.754 $\pm$ 2.752 χ^2 /NDF: 14.8/21

diff_bpm16X_rms vs Slug



Right In: 10057.738+/-2.891 χ^2/NDF : 1007657.1/16

Left Out: 5354.748+/-2.364 χ^2/NDF : 50464.6/3

Right Out: 10938.028+/-2.993 χ^2/NDF : 764124.4/18

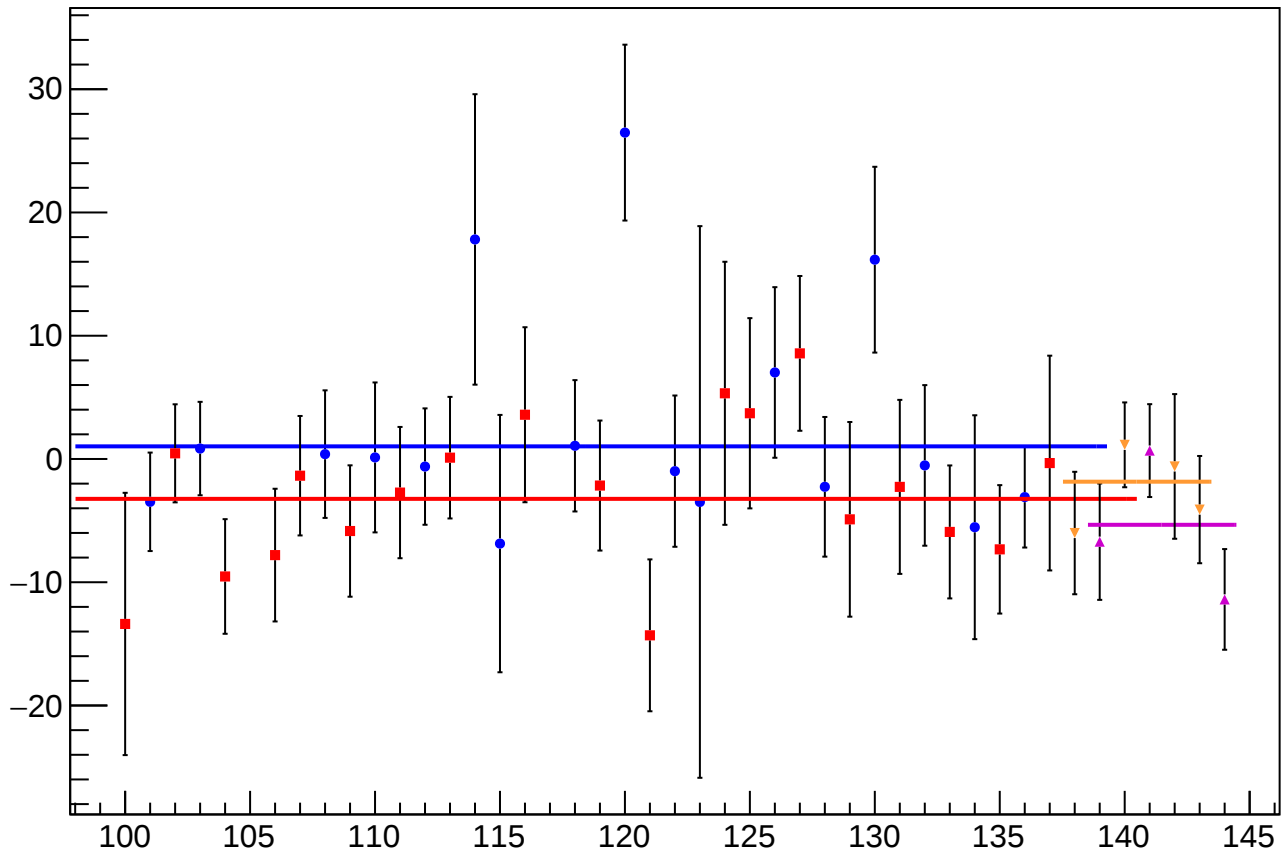
Left In: 5553.774+/-2.561 χ^2/NDF : 122391.3/2

+ sign 7239.397+/-1.830 χ^2/NDF : 2644009.5/20

All: 7516.447+/-1.333 χ^2/NDF : 5448065.7/42

- sign 7829.590+/-1.946 χ^2/NDF : 2755235.8/21

diff_bpm16Y_mean vs Slug



Right In: 1.024 ± 1.405 χ^2/NDF : 23.6/16

Left Out: -1.842 ± 2.199 χ^2/NDF : 1.8/3

Right Out: -3.235 ± 1.336 χ^2/NDF : 15.4/18

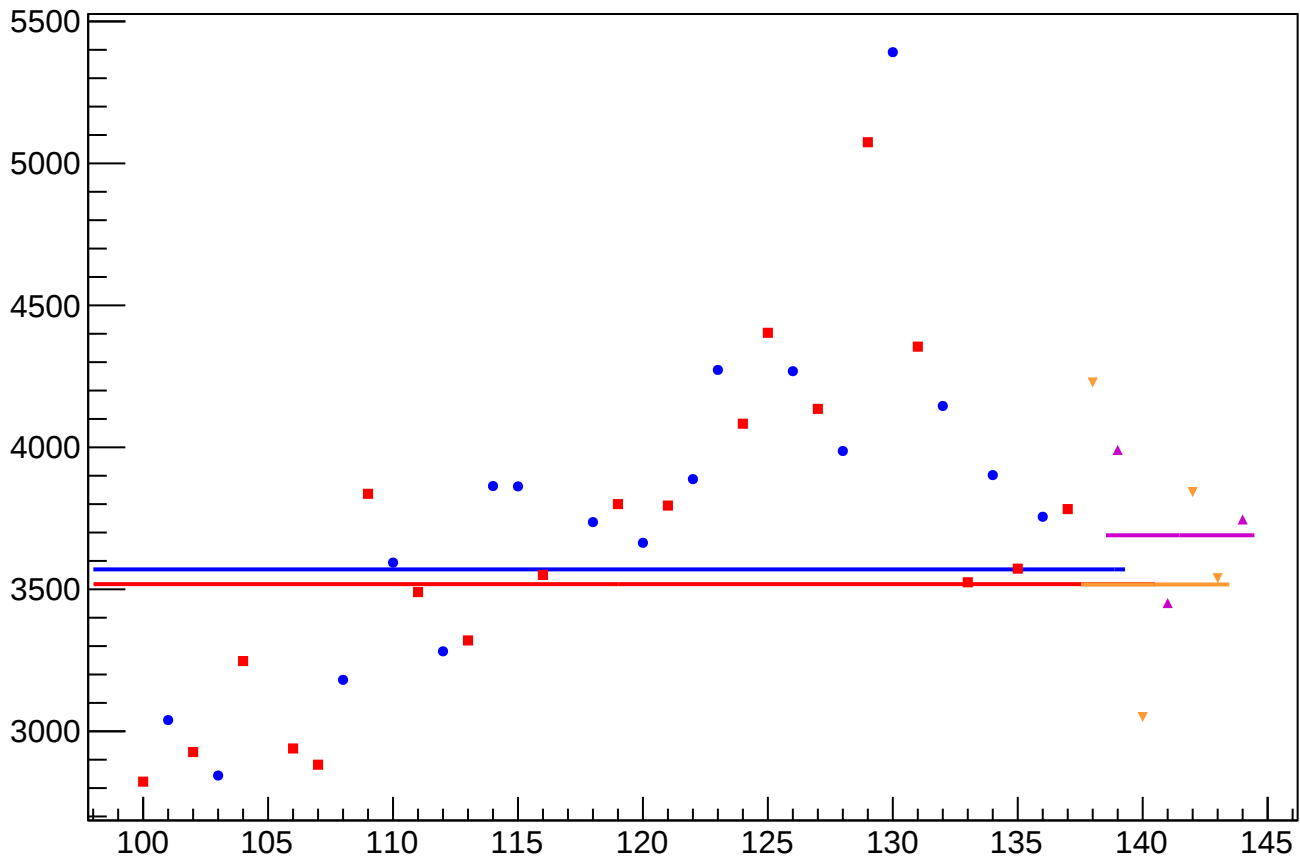
Left In: -5.340 ± 2.389 χ^2/NDF : 4.8/2

+ sign 0.193 ± 1.184 χ^2/NDF : 26.6/20

All: -1.803 ± 0.831 χ^2/NDF : 53.0/42

- sign -3.737 ± 1.166 χ^2/NDF : 20.8/21

diff_bpm16Y_rms vs Slug



Right In: 3570.193 ± 0.994 χ^2/NDF : 310317.2/16

Left Out: 3517.106 ± 1.555 χ^2/NDF : 84037.7/3

Right Out: 3518.219 ± 0.944 χ^2/NDF : 296342.1/18

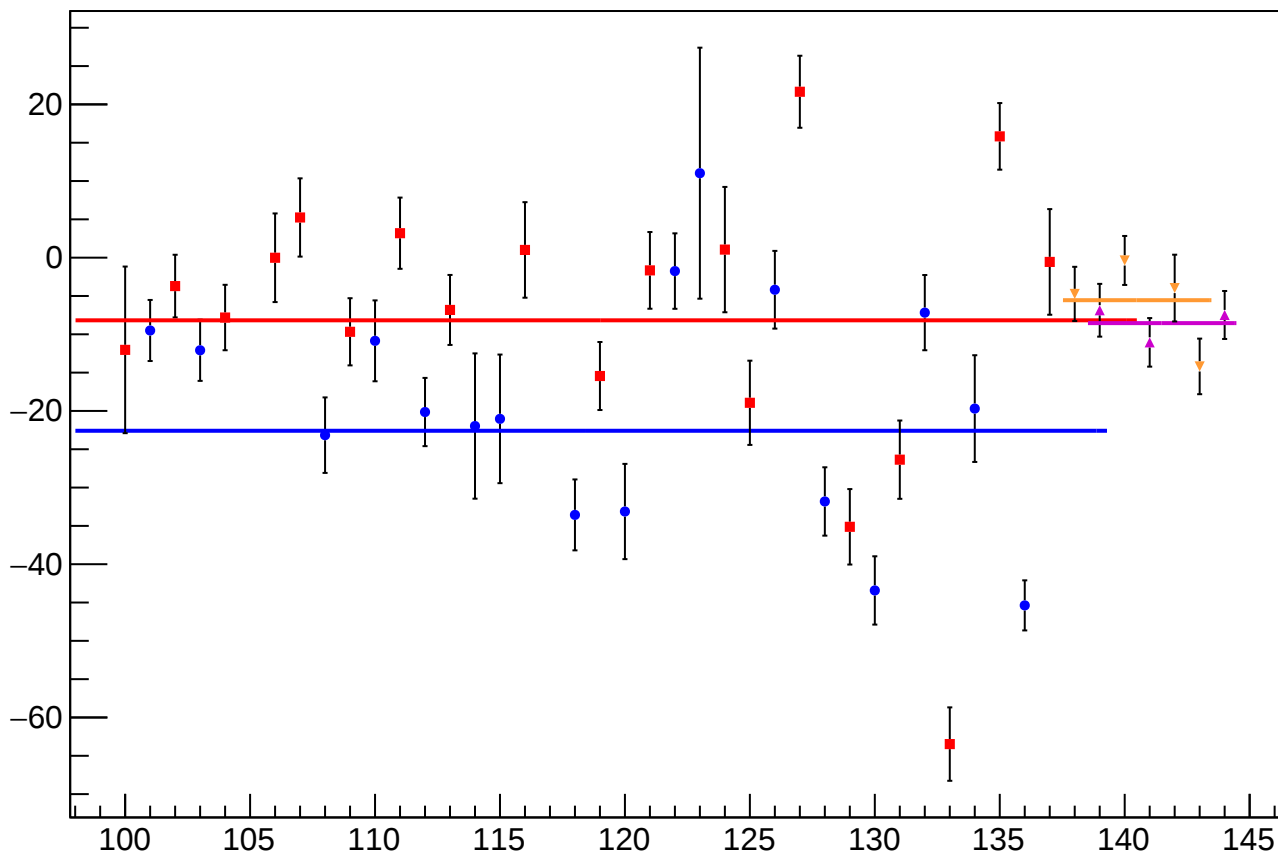
Left In: 3690.339 ± 1.689 χ^2/NDF : 16497.2/2

+ sign 3554.797 ± 0.837 χ^2/NDF : 395182.6/20

All: 3557.042 ± 0.587 χ^2/NDF : 715946.6/42

- sign 3559.218 ± 0.824 χ^2/NDF : 320749.9/21

diff_bpm0l01X_mean vs Slug



Right In: -22.588±/1.203 χ^2/NDF : 151.6/16

Left Out: -5.550±/1.806 χ^2/NDF : 8.5/3

Right Out: -8.176±/1.159 χ^2/NDF : 275.9/18

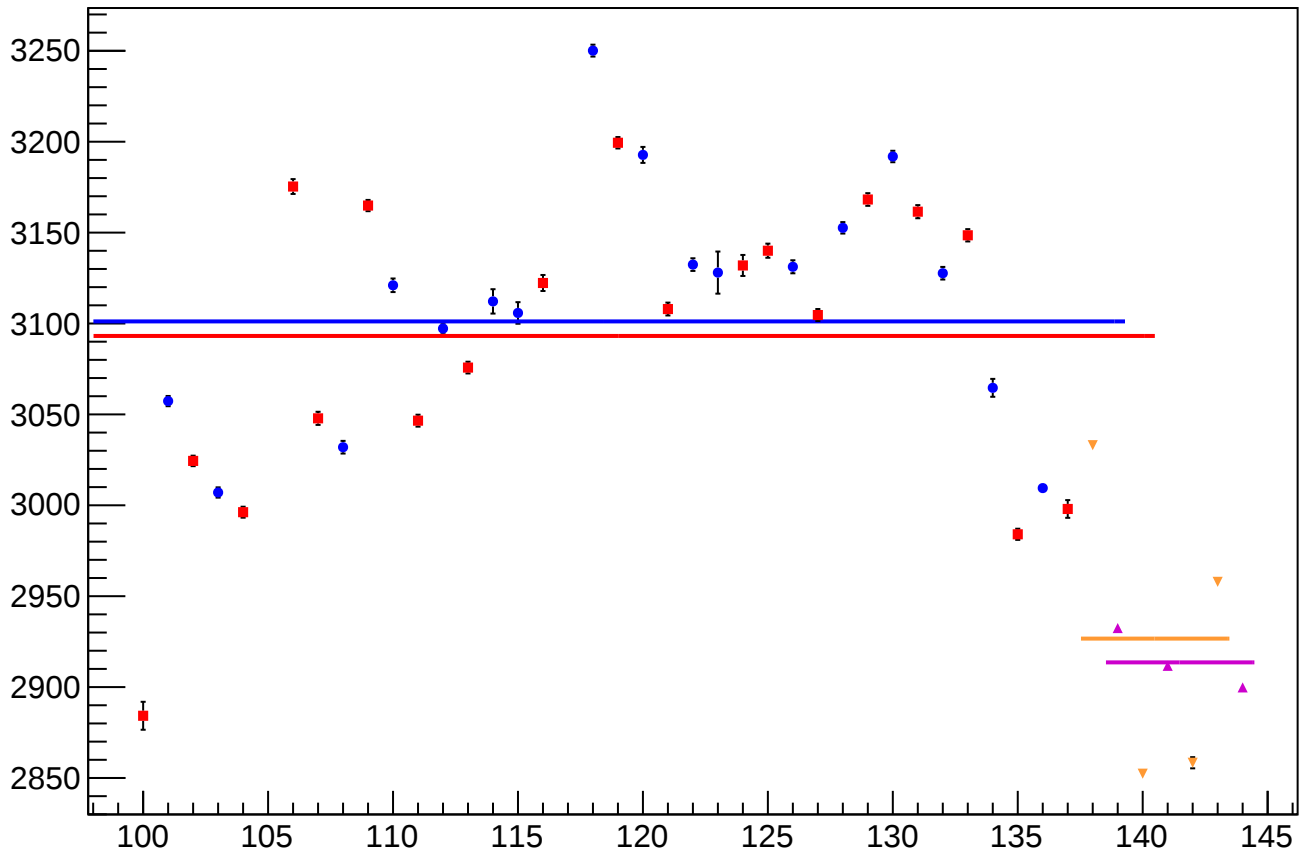
Left In: -8.541±/1.870 χ^2/NDF : 1.0/2

+ sign -17.353±/1.001 χ^2/NDF : 221.8/20

All: -12.742±/0.702 χ^2/NDF : 540.4/42

- sign -8.277±/0.985 χ^2/NDF : 276.9/21

diff_bpm0l01X_rms vs Slug



Right In: 3101.155+/-0.850 χ^2/NDF : 7225.5/16

Left Out: 2926.671+/-1.277 χ^2/NDF : 3531.0/3

Right Out: 3093.153+/-0.819 χ^2/NDF : 7805.1/18

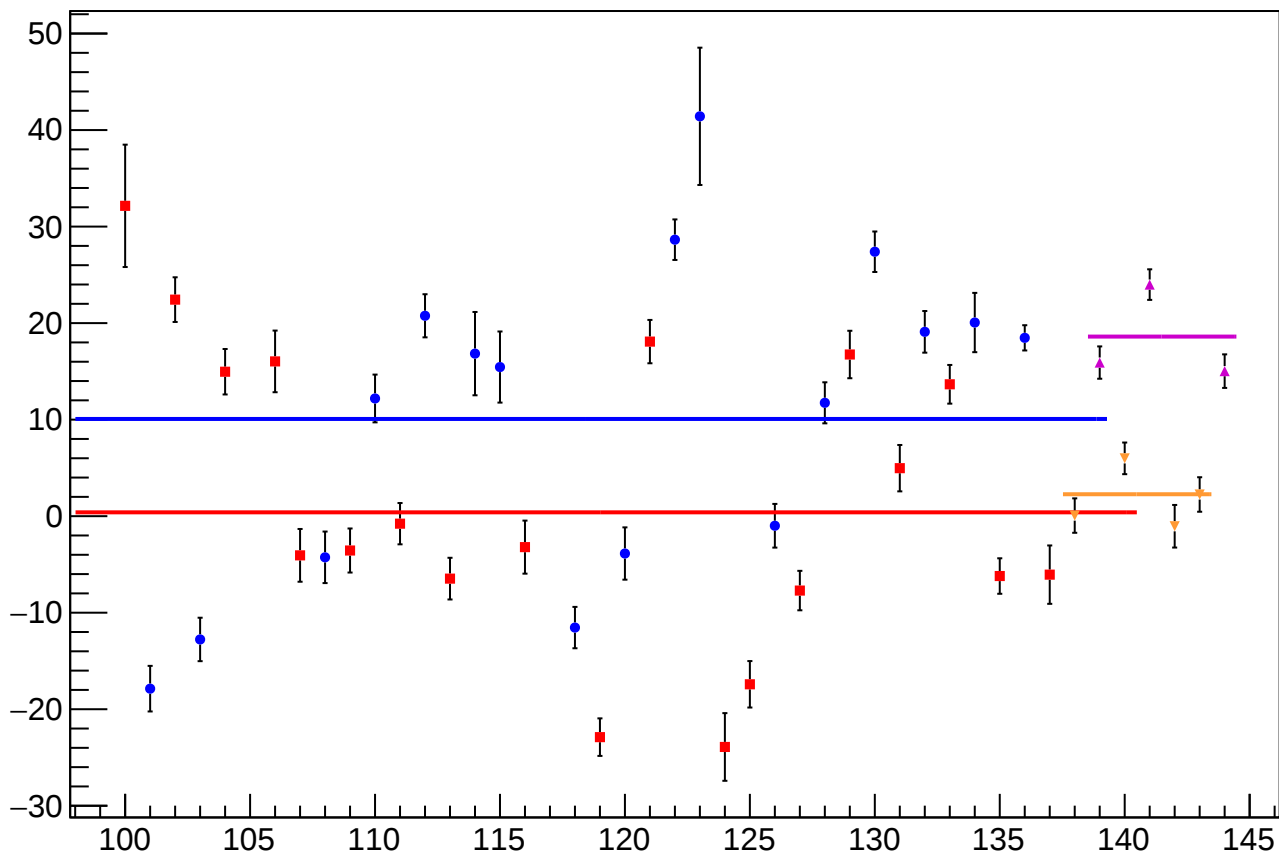
Left In: 2913.590+/-1.322 χ^2/NDF : 99.5/2

+ sign 3047.550+/-0.708 χ^2/NDF : 23690.6/20

All: 3045.400+/-0.496 χ^2/NDF : 44940.1/42

- sign 3043.318+/-0.697 χ^2/NDF : 21231.3/21

diff_bpm0l01Y_mean vs Slug



Right In: 10.071 $\pm$ 0.563 χ^2 /NDF: 688.1/16

Left Out: 2.272 $\pm$ 0.911 χ^2 /NDF: 8.9/3

Right Out: 0.397 $\pm$ 0.548 χ^2 /NDF: 629.0/18

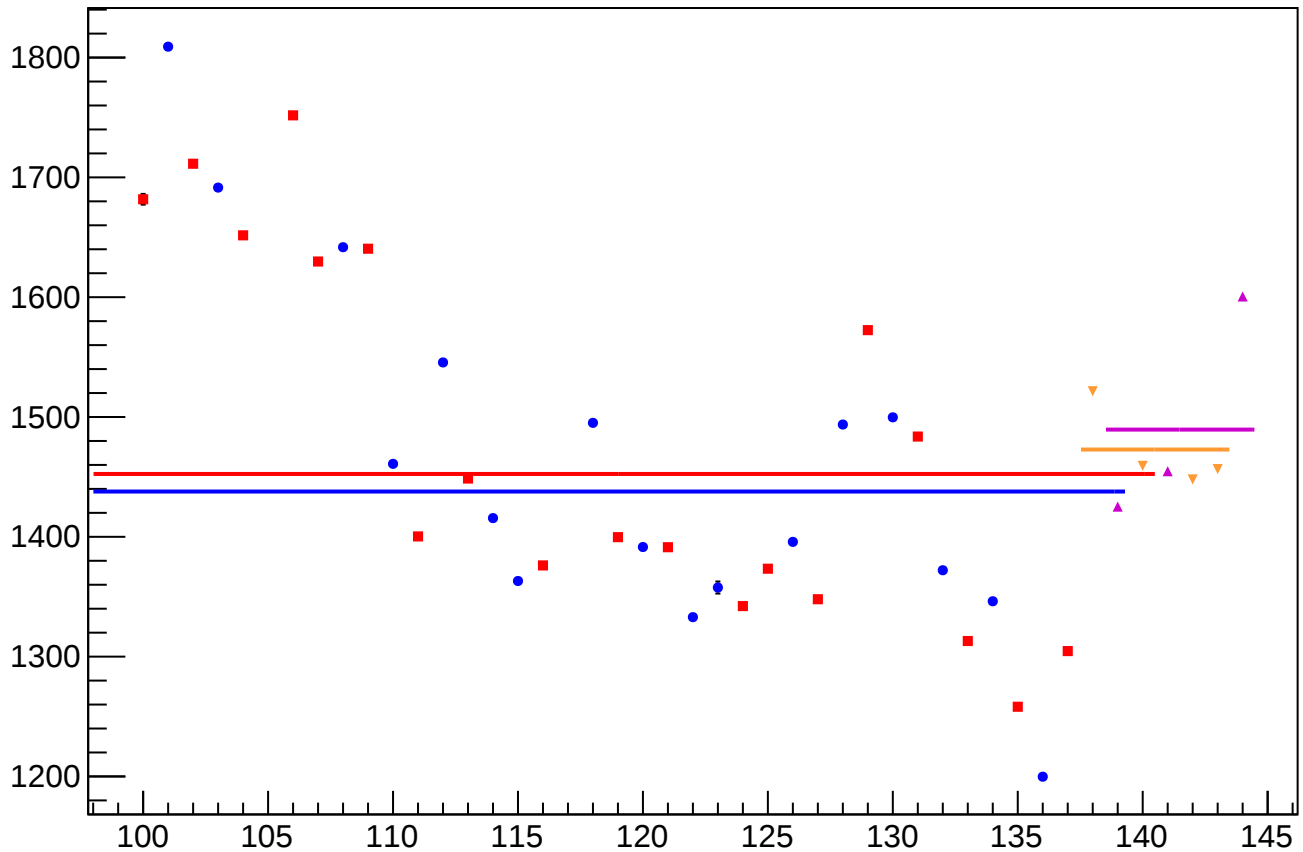
Left In: 18.605 $\pm$ 0.960 χ^2 /NDF: 18.4/2

+ sign 7.918 $\pm$ 0.479 χ^2 /NDF: 750.1/20

All: 6.387 $\pm$ 0.337 χ^2 /NDF: 1689.3/42

- sign 4.874 $\pm$ 0.476 χ^2 /NDF: 918.9/21

diff_bpm0l01Y_rms vs Slug



Right In: 1437.799+/-0.398 χ^2/NDF : 173192.9/16

Left Out: 1472.845+/-0.644 χ^2/NDF : 2049.0/3

Right Out: 1452.461+/-0.387 χ^2/NDF : 138487.1/18

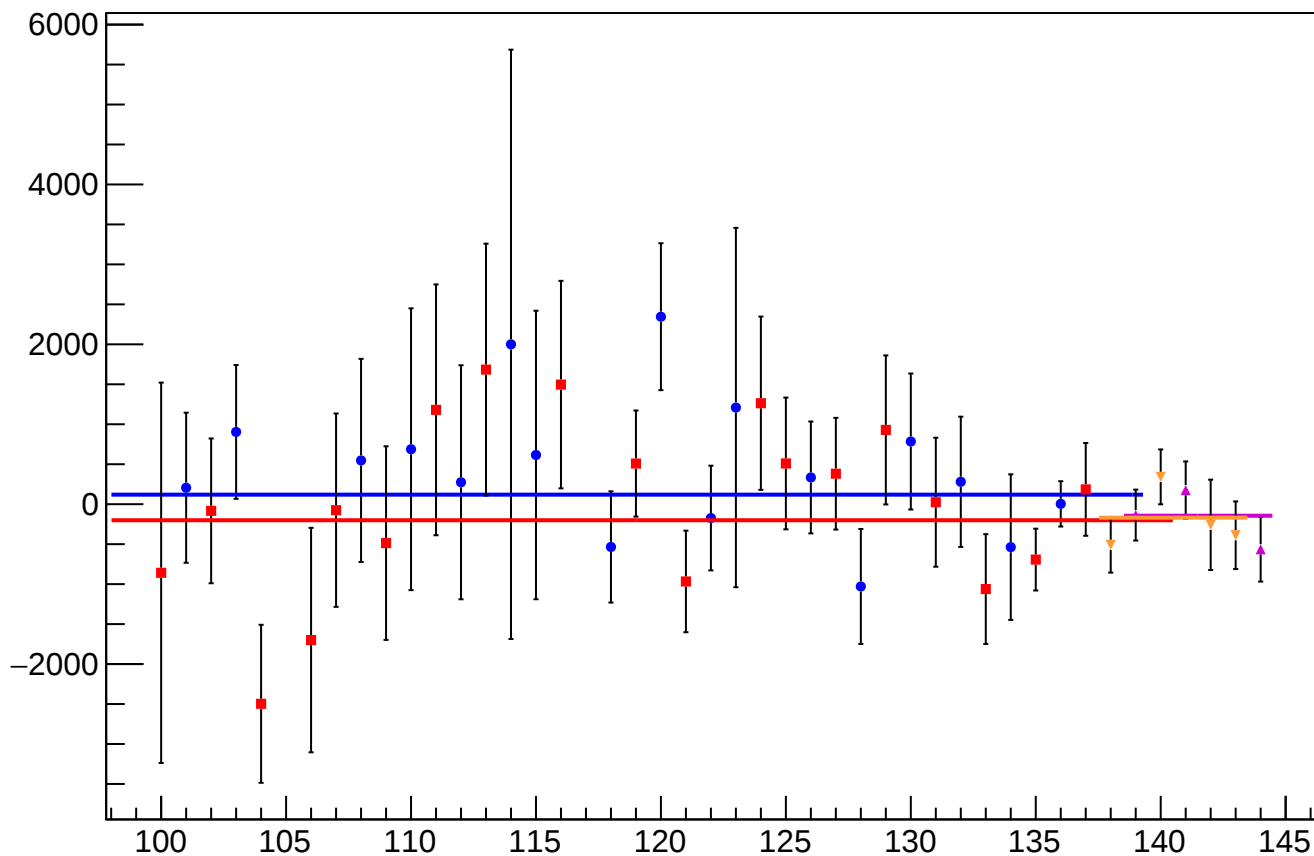
Left In: 1489.496+/-0.679 χ^2/NDF : 12080.7/2

+ sign 1447.477+/-0.339 χ^2/NDF : 177384.6/20

All: 1454.564+/-0.239 χ^2/NDF : 331070.3/42

- sign 1461.567+/-0.336 χ^2/NDF : 152814.2/21

asym_sam1_mean vs Slug



Right In: 119.363 $\pm$ 180.601 χ^2 /NDF: 12.6/16

Left Out: -168.567 $\pm$ 197.991 χ^2 /NDF: 3.5/3

Right Out: -200.642 $\pm$ 184.789 χ^2 /NDF: 21.7/18

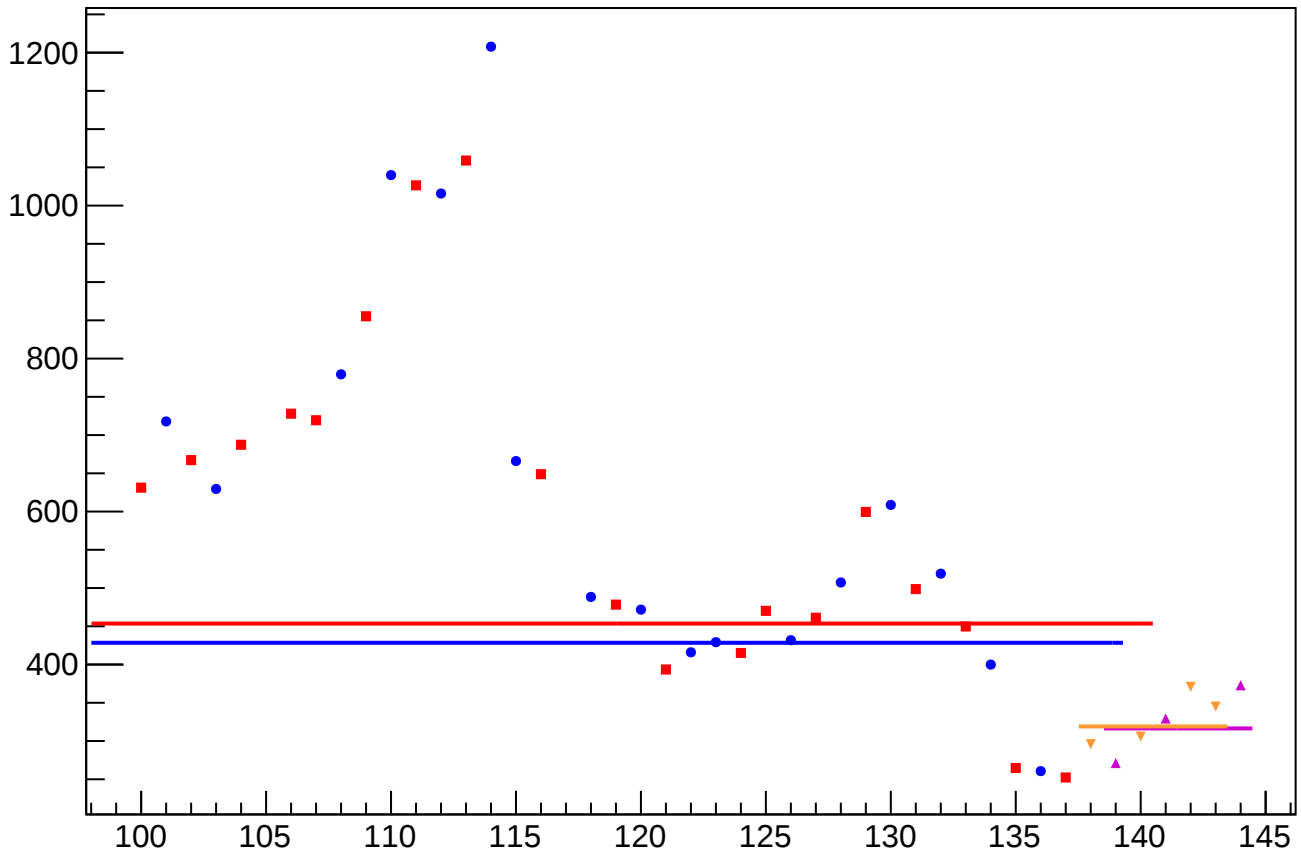
Left In: -144.120 $\pm$ 205.153 χ^2 /NDF: 1.9/2

+ sign -11.404 $\pm$ 133.430 χ^2 /NDF: 17.2/20

All: -91.020 $\pm$ 95.689 χ^2 /NDF: 41.5/42

- sign -175.325 $\pm$ 137.302 χ^2 /NDF: 23.6/21

asym_sam1_rms vs Slug



Right In: 428.425+/-0.128 χ^2/NDF : 2006981.5/16

Left Out: 319.089+/-0.140 χ^2/NDF : 36385.3/3

Right Out: 453.578+/-0.131 χ^2/NDF : 2032377.4/18

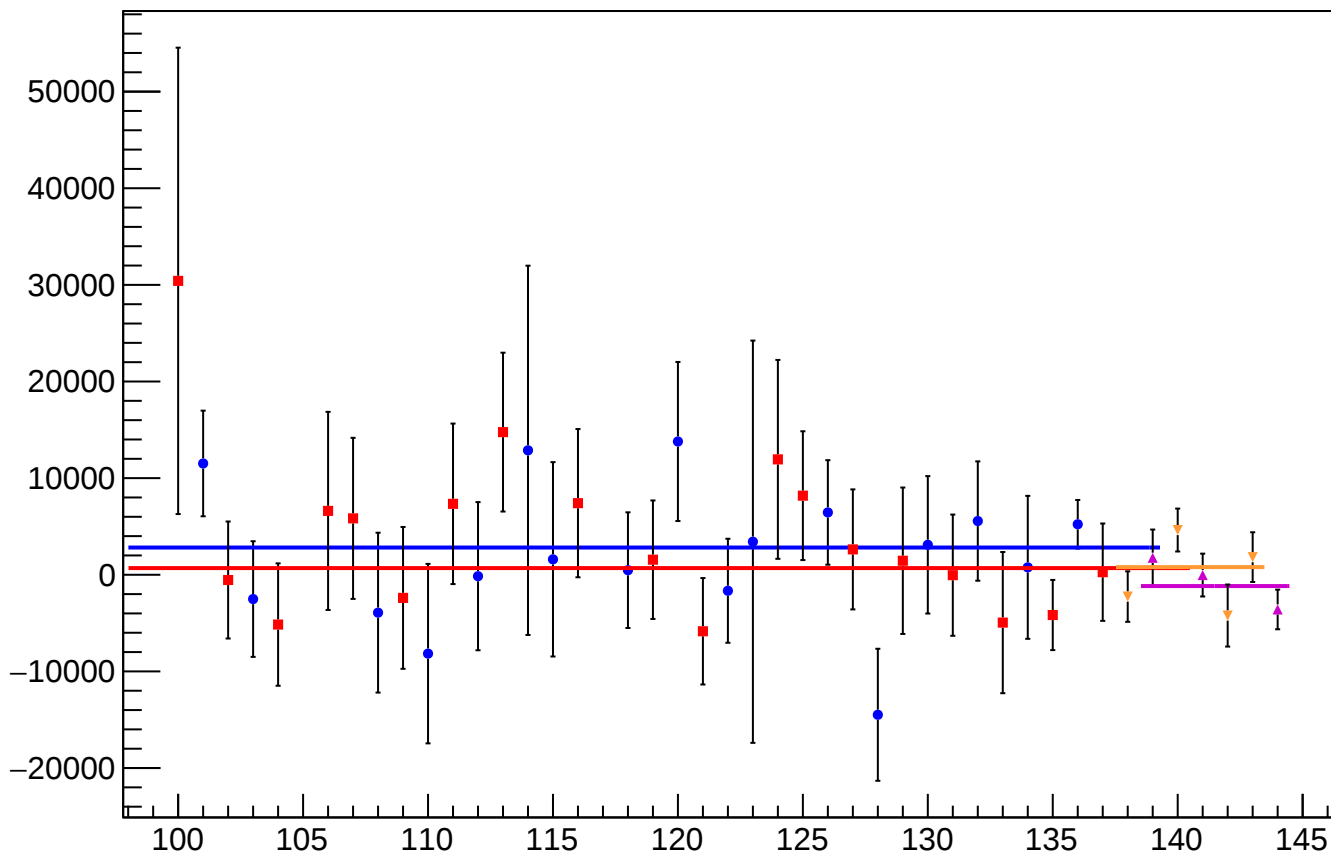
Left In: 316.477+/-0.145 χ^2/NDF : 82059.9/2

+ sign 378.768+/-0.094 χ^2/NDF : 2376279.4/20

All: 385.277+/-0.068 χ^2/NDF : 4993641.1/42

- sign 392.168+/-0.097 χ^2/NDF : 2607565.0/21

asym_sam2_mean vs Slug



Right In: 2819.632 $\pm$ 1450.791 χ^2 /NDF: 16.5/16

Left Out: 793.890 $\pm$ 1293.921 χ^2 /NDF: 6.9/3

Right Out: 691.793 $\pm$ 1512.621 χ^2 /NDF: 14.0/18

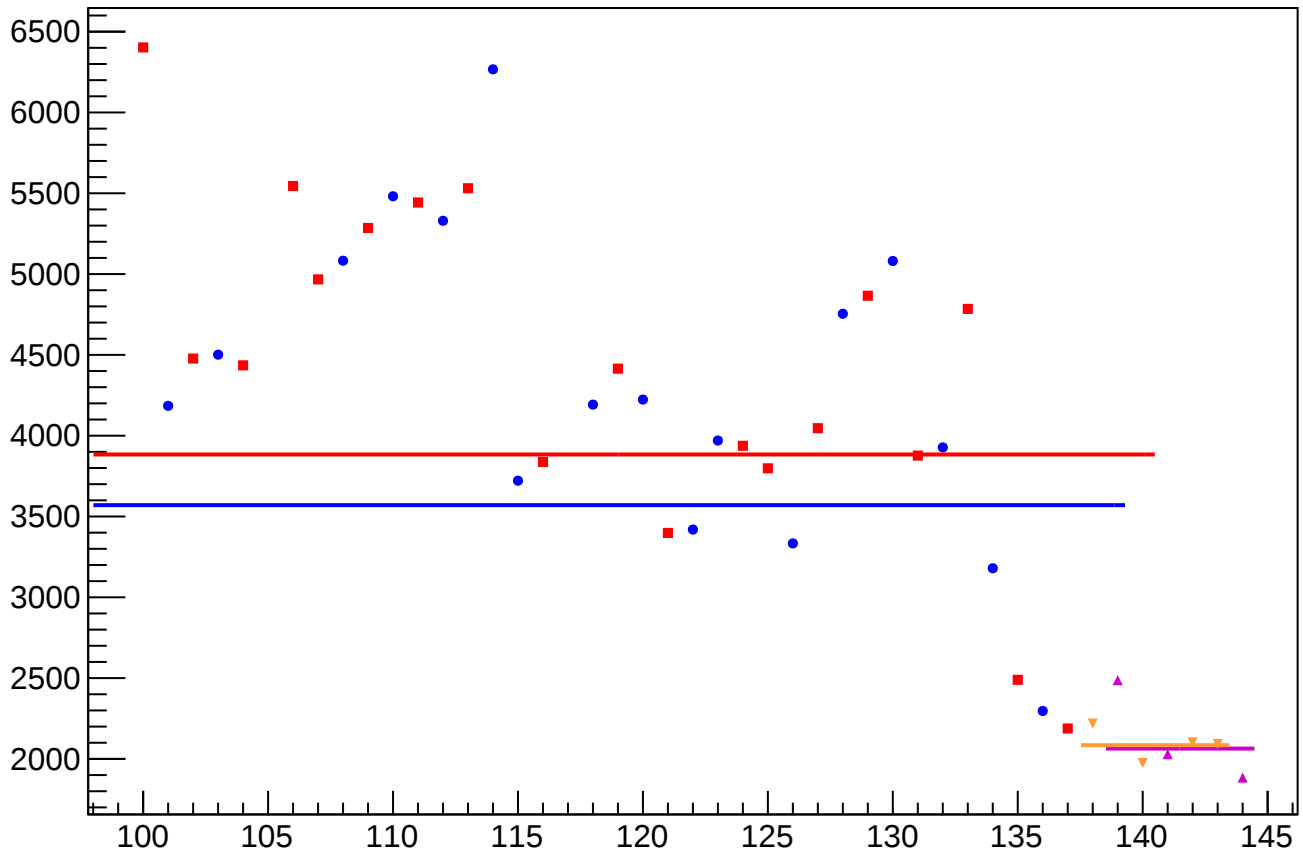
Left In: -1168.539 $\pm$ 1337.732 χ^2 /NDF: 2.7/2

+ sign 1691.359 $\pm$ 965.656 χ^2 /NDF: 24.5/20

All: 707.440 $\pm$ 695.340 χ^2 /NDF: 44.3/42

- sign -352.089 $\pm$ 1002.073 χ^2 /NDF: 17.6/21

asym_sam2_rms vs Slug



Right In: 3570.185+/-1.026 χ^2/NDF : 1087907.4/16

Left Out: 2084.873+/-0.915 χ^2/NDF : 10282.6/3

Right Out: 3883.722+/-1.070 χ^2/NDF : 984493.3/18

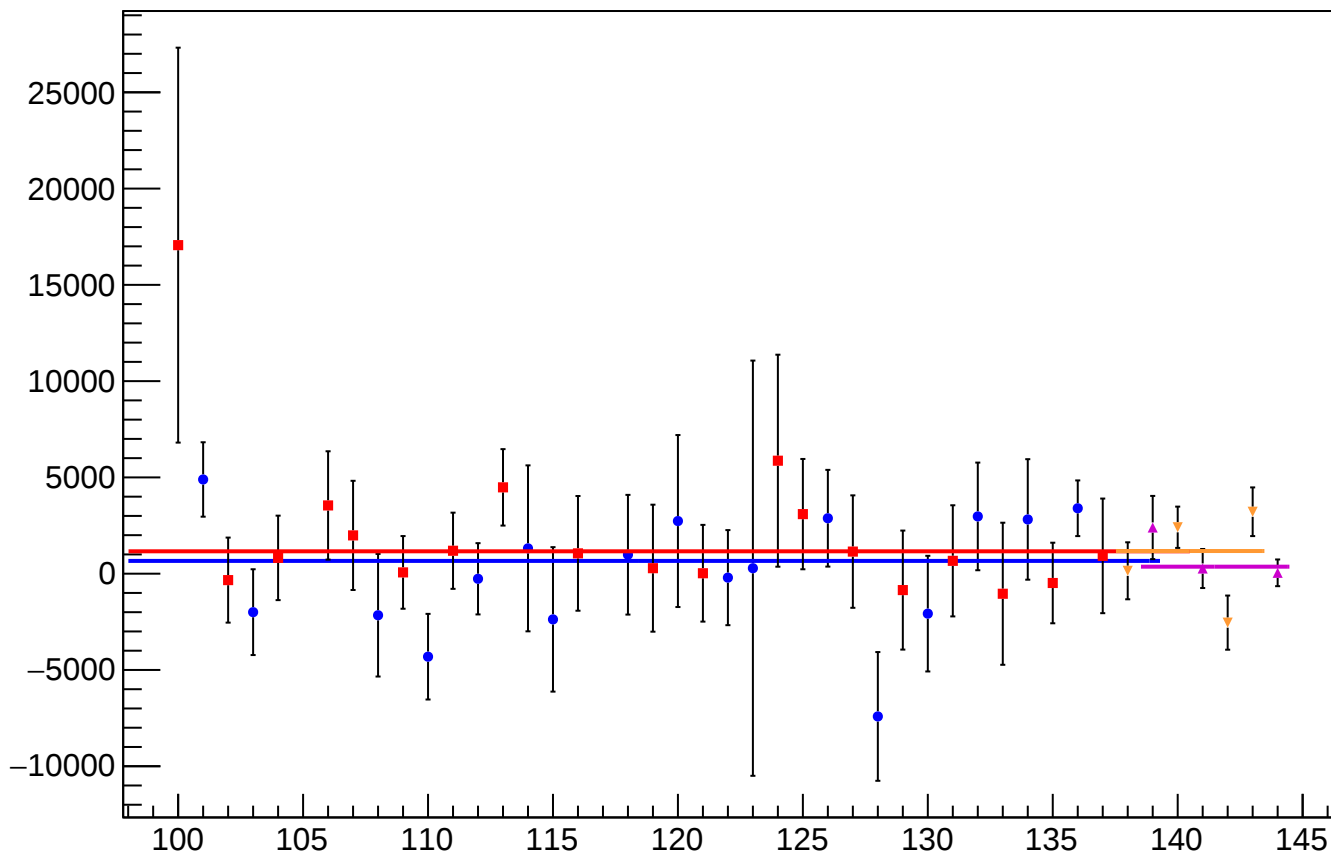
Left In: 2063.971+/-0.946 χ^2/NDF : 57820.2/2

+ sign 2742.914+/-0.683 χ^2/NDF : 2265768.0/20

All: 2800.548+/-0.492 χ^2/NDF : 4947133.9/42

- sign 2862.610+/-0.709 χ^2/NDF : 2666570.0/21

asym_sam3_mean vs Slug



Right In: 663.409+/-622.512 χ^2/NDF : 25.5/16

Left Out: 1176.851+/-637.853 χ^2/NDF : 11.4/3

Right Out: 1162.350+/-604.350 χ^2/NDF : 9.7/18

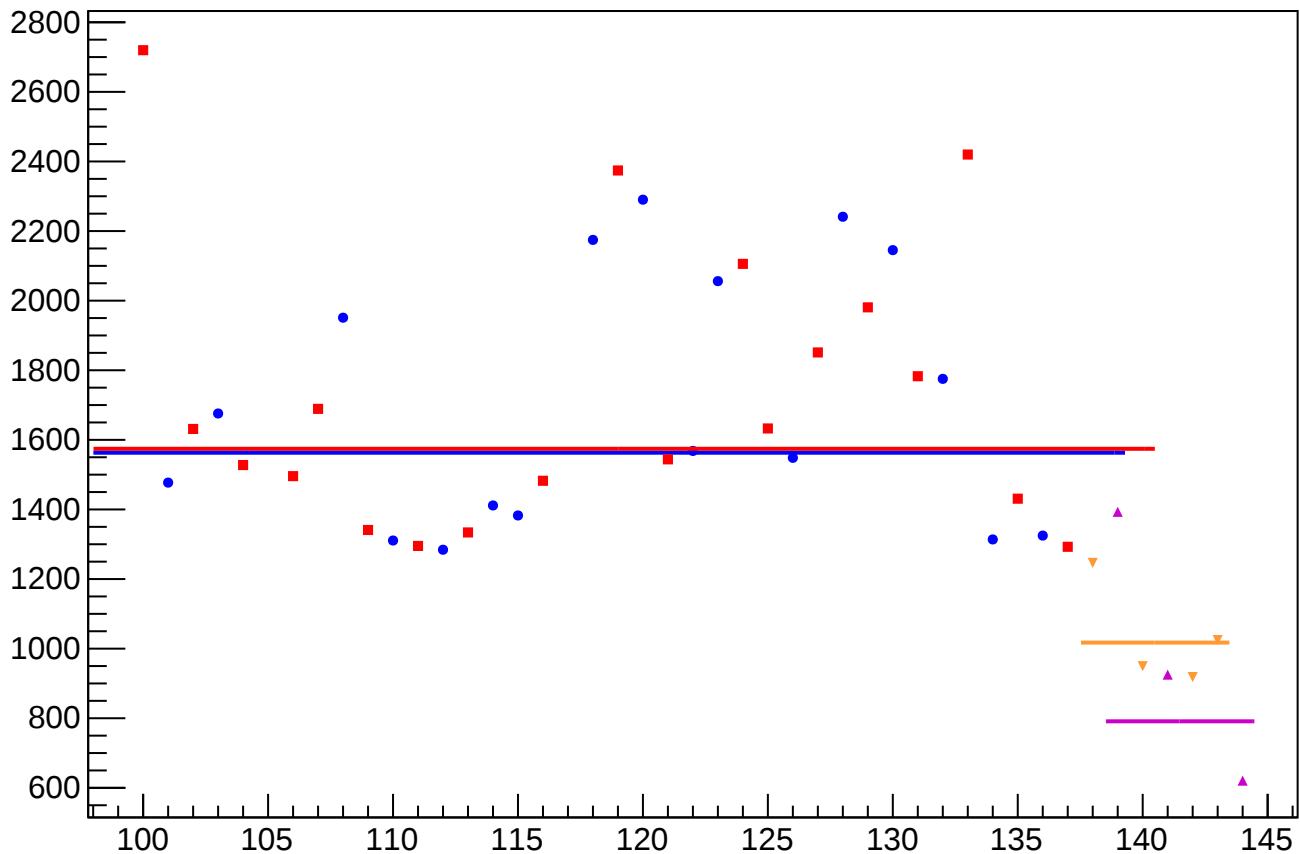
Left In: 363.849+/-540.525 χ^2/NDF : 1.8/2

+ sign 913.881+/-445.507 χ^2/NDF : 37.2/20

All: 806.523+/-298.820 χ^2/NDF : 49.8/42

- sign 718.722+/-402.891 χ^2/NDF : 12.5/21

asym_sam3_rms vs Slug



Right In: 1563.098+/-0.440 χ^2/NDF : 487653.4/16

Left Out: 1017.406+/-0.451 χ^2/NDF : 65874.4/3

+ sign 1296.893+/-0.315 χ^2/NDF : 1303246.1/20

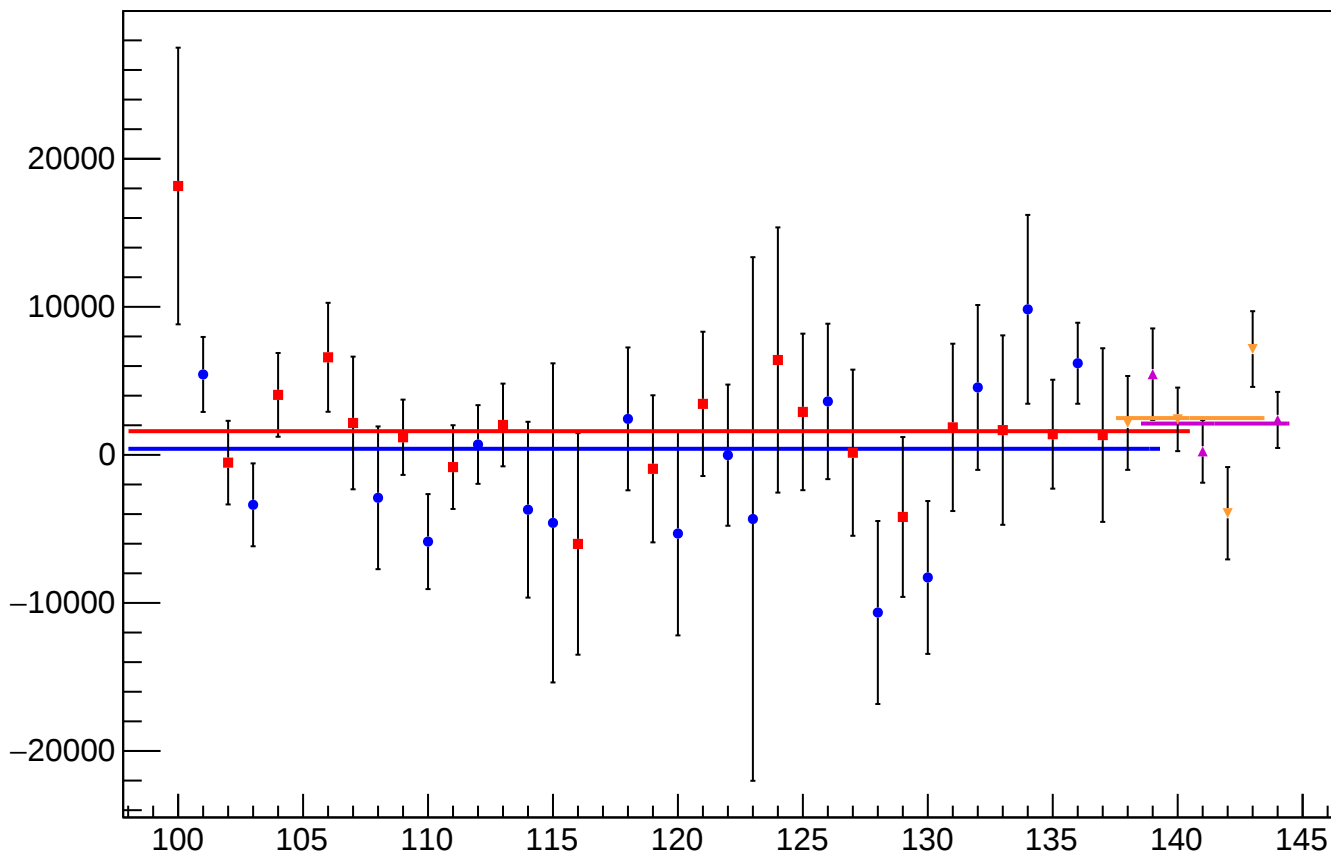
Right Out: 1574.361+/-0.427 χ^2/NDF : 466428.6/18

All: 1210.169+/-0.211 χ^2/NDF : 4198526.0/42

- sign 1139.243+/-0.285 χ^2/NDF : 2757510.5/21

Left In: 791.178+/-0.382 χ^2/NDF : 425037.4/2

asym_sam4_mean vs Slug



Right In: 411.092 $\pm$ 998.047 χ^2 /NDF: 25.3/16

Left Out: 2487.155 $\pm$ 1321.769 χ^2 /NDF: 7.6/3

Right Out: 1601.073 $\pm$ 925.777 χ^2 /NDF: 10.1/18

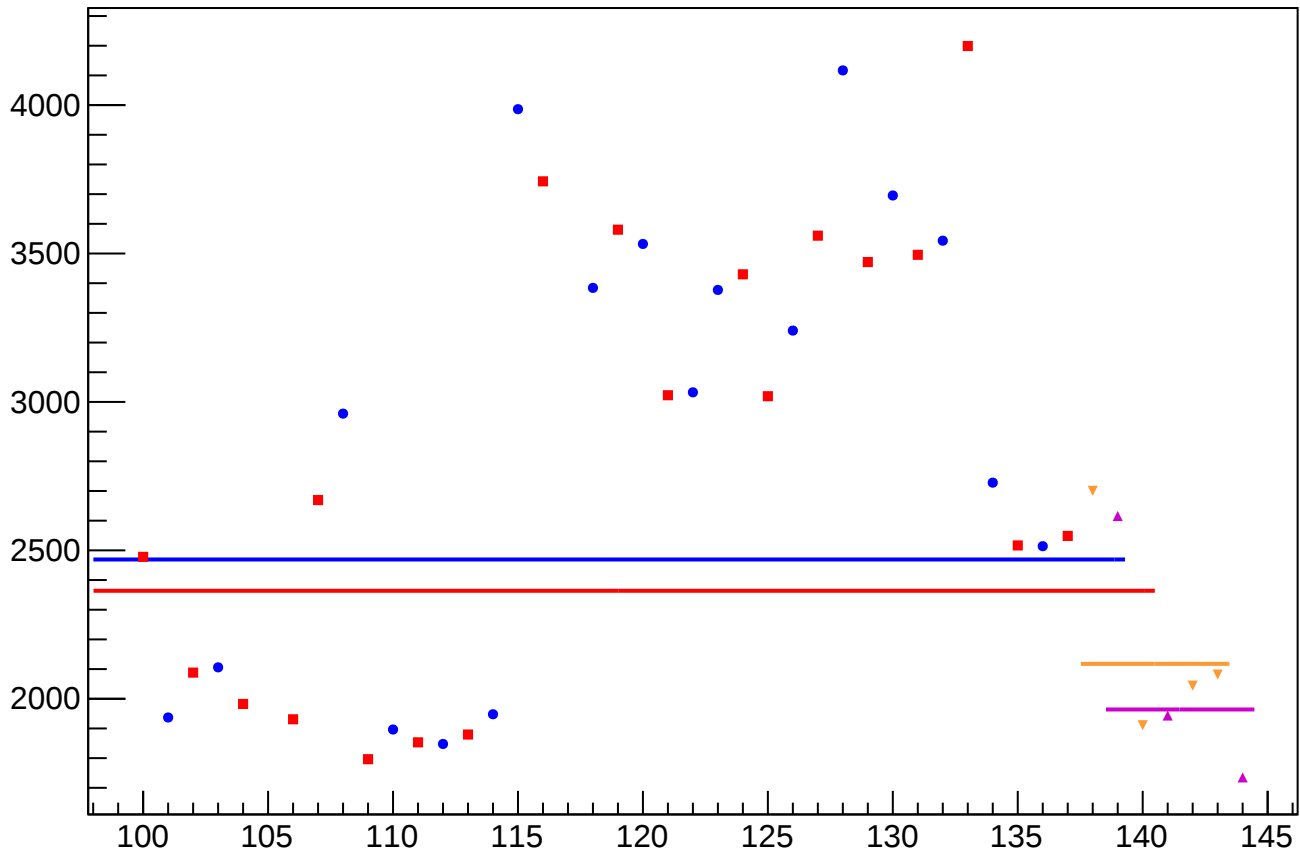
Left In: 2116.387 $\pm$ 1284.152 χ^2 /NDF: 2.0/2

+ sign 1164.950 $\pm$ 796.490 χ^2 /NDF: 34.5/20

All: 1489.124 $\pm$ 546.400 χ^2 /NDF: 47.0/42

- sign 1777.305 $\pm$ 750.971 χ^2 /NDF: 12.2/21

asym_sam4_rms vs Slug



Right In: 2469.233+/-0.706 χ^2/NDF : 900151.2/16

Left Out: 2117.667+/-0.935 χ^2/NDF : 87654.8/3

Right Out: 2363.845+/-0.655 χ^2/NDF : 1026234.8/18

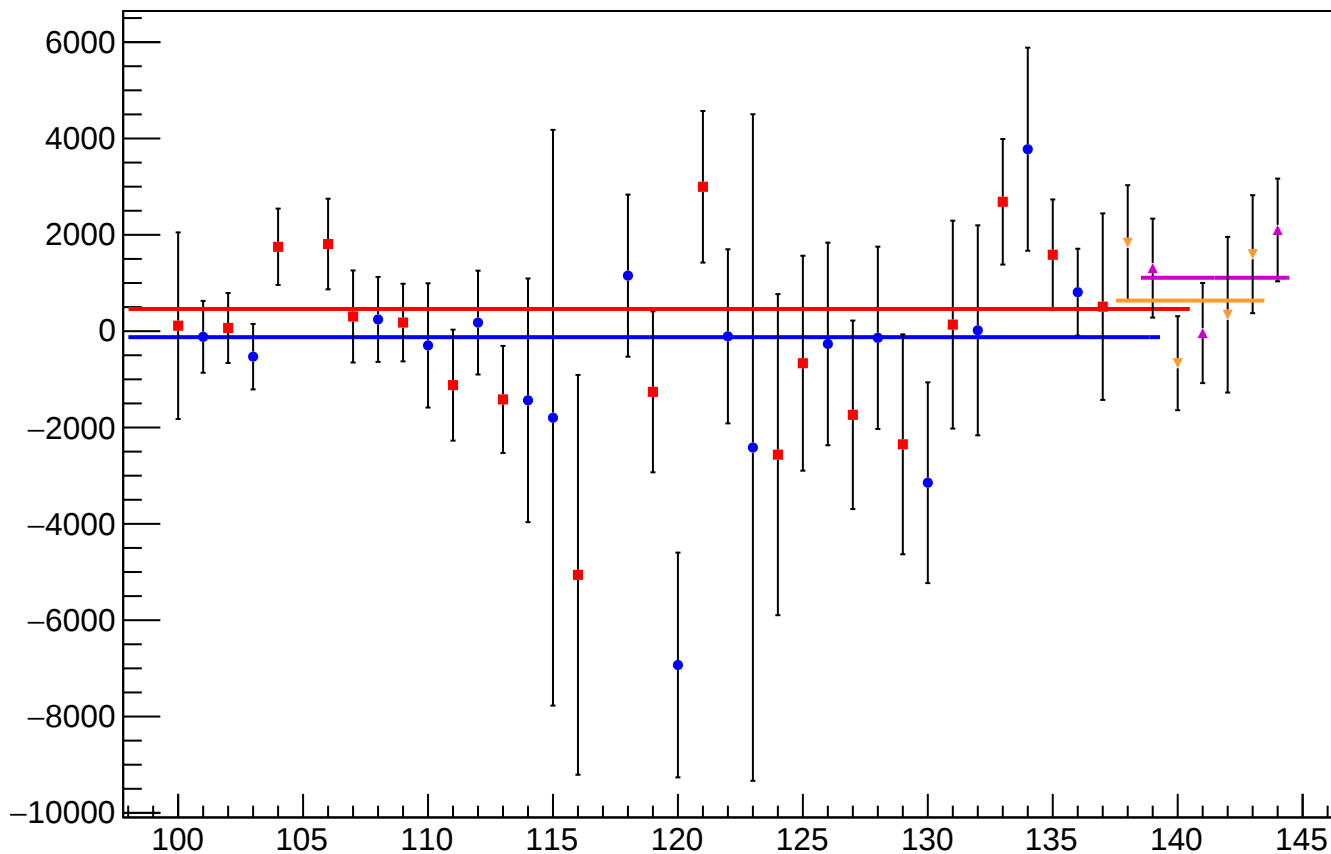
Left In: 1963.956+/-0.908 χ^2/NDF : 118477.0/2

+ sign 2341.573+/-0.563 χ^2/NDF : 1077919.7/20

All: 2280.965+/-0.386 χ^2/NDF : 2372123.4/42

- sign 2227.087+/-0.531 χ^2/NDF : 1272328.8/21

asym_sam5_mean vs Slug



Right In: -124.338+/-313.734 χ^2/NDF : 16.8/16

Left Out: 635.716+/-597.738 χ^2/NDF : 3.4/3

Right Out: 461.203+/-283.135 χ^2/NDF : 23.1/18

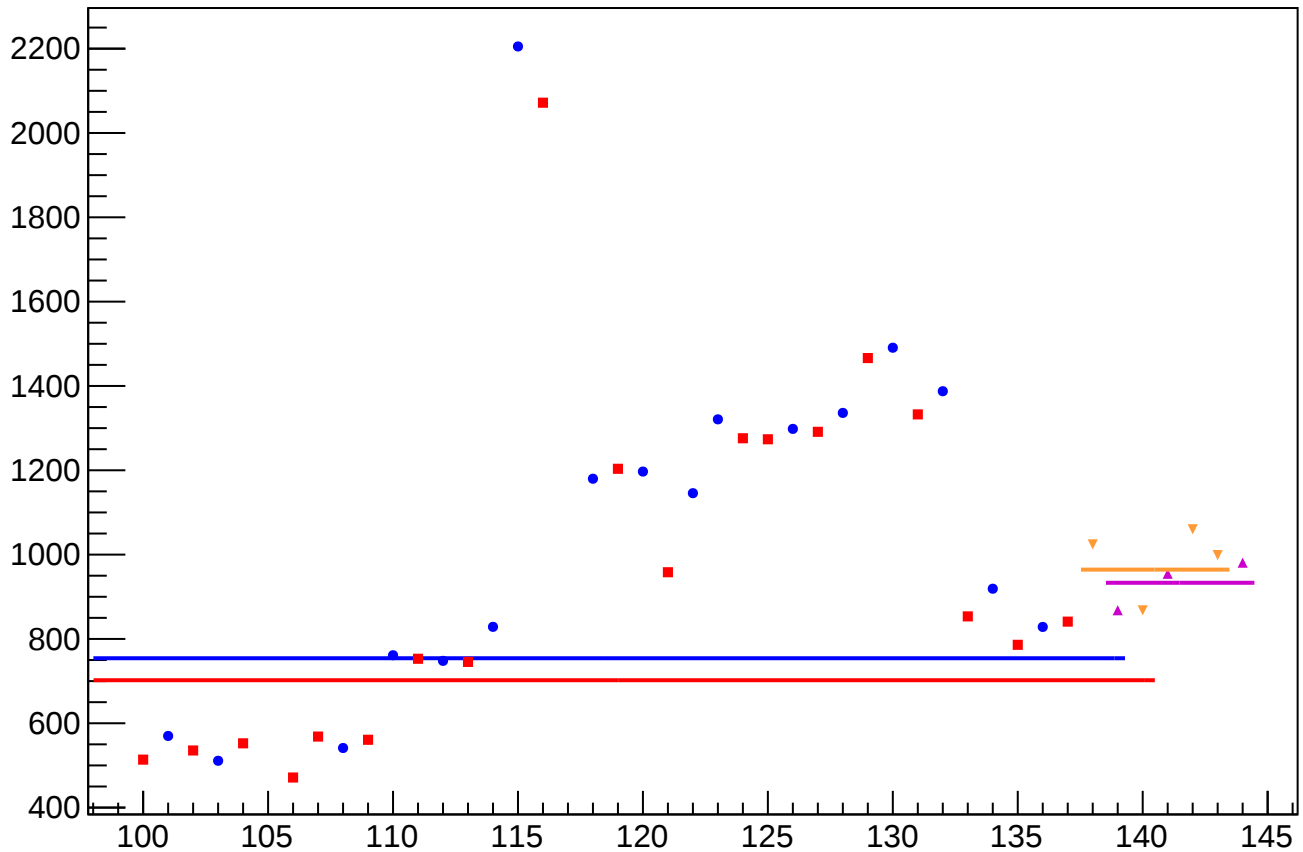
Left In: 1109.107+/-602.579 χ^2/NDF : 2.1/2

+ sign 39.823+/-277.795 χ^2/NDF : 21.5/20

All: 330.785+/-188.355 χ^2/NDF : 49.7/42

- sign 578.378+/-256.257 χ^2/NDF : 26.2/21

asym_sam5_rms vs Slug



Right In: 754.219+/-0.222 χ^2/NDF : 1689131.5/16

Left Out: 964.392+/-0.423 χ^2/NDF : 33218.1/3

+ sign 799.613+/-0.196 χ^2/NDF : 1916208.8/20

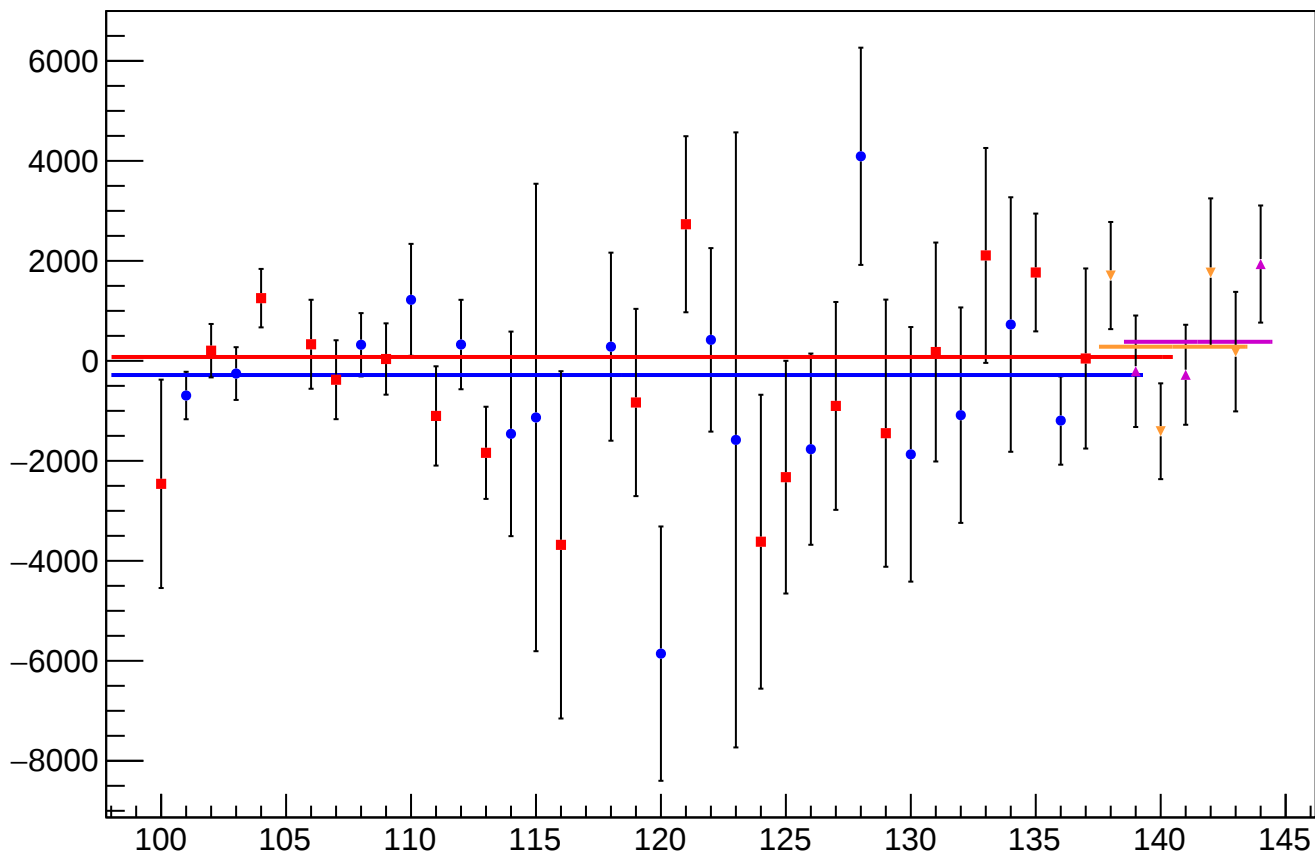
Right Out: 702.074+/-0.200 χ^2/NDF : 1689098.6/18

All: 769.499+/-0.133 χ^2/NDF : 3902727.2/42

- sign 743.873+/-0.181 χ^2/NDF : 1943015.2/21

Left In: 933.198+/-0.426 χ^2/NDF : 12895.3/2

asym_sam6_mean vs Slug



Right In: -283.172 ± 250.683 χ^2/NDF : 15.8/16

Left Out: 282.883 ± 566.810 χ^2/NDF : 5.9/3

Right Out: 77.591 ± 246.211 χ^2/NDF : 21.6/18

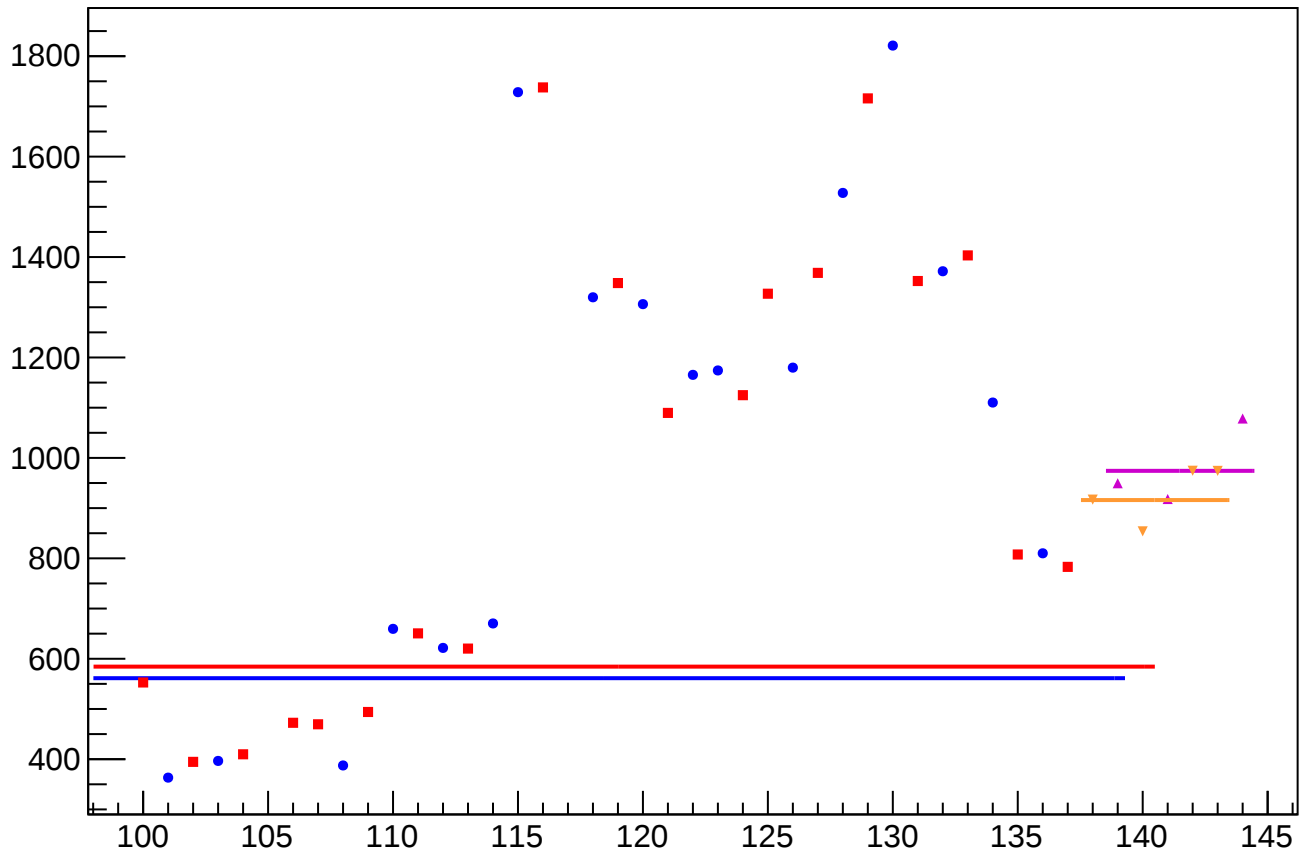
Left In: 381.365 ± 628.365 χ^2/NDF : 2.5/2

+ sign -190.564 ± 229.261 χ^2/NDF : 22.5/20

All: -36.257 ± 162.105 χ^2/NDF : 47.7/42

- sign 118.022 ± 229.241 χ^2/NDF : 24.2/21

asym_sam6_rms vs Slug



Right In: 561.319+/-0.177 χ^2/NDF : 3211255.9/16

Left Out: 916.055+/-0.401 χ^2/NDF : 16272.8/3

Right Out: 584.345+/-0.174 χ^2/NDF : 2813611.9/18

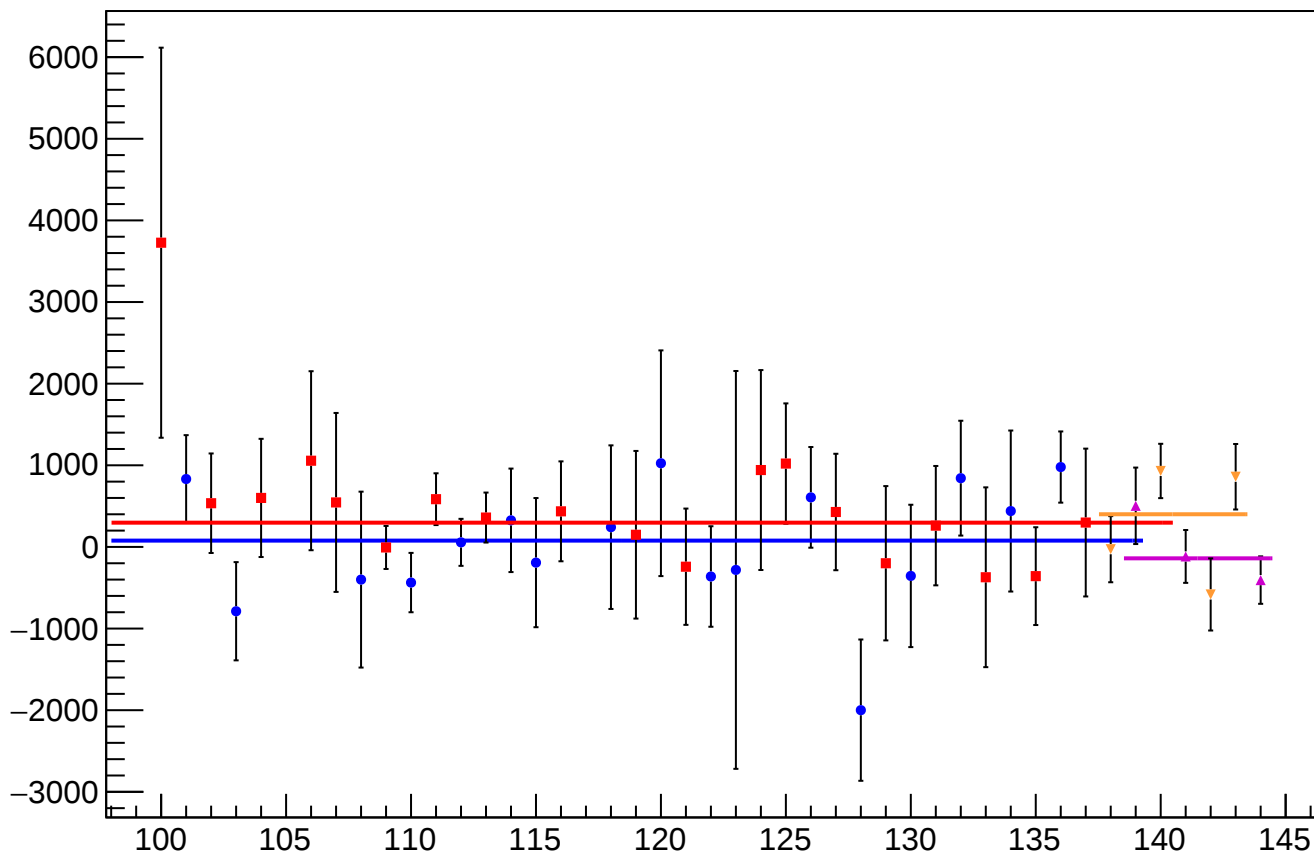
Left In: 974.240+/-0.444 χ^2/NDF : 23097.2/2

+ sign 619.355+/-0.162 χ^2/NDF : 3882733.9/20

All: 627.797+/-0.115 χ^2/NDF : 7392400.7/42

- sign 636.238+/-0.162 χ^2/NDF : 3504242.9/21

asym_sam7_mean vs Slug



Right In: 77.417+/-143.270 χ^2/NDF : 19.9/16

Left Out: 400.340+/-194.387 χ^2/NDF : 9.9/3

Right Out: 297.209+/-129.814 χ^2/NDF : 8.9/18

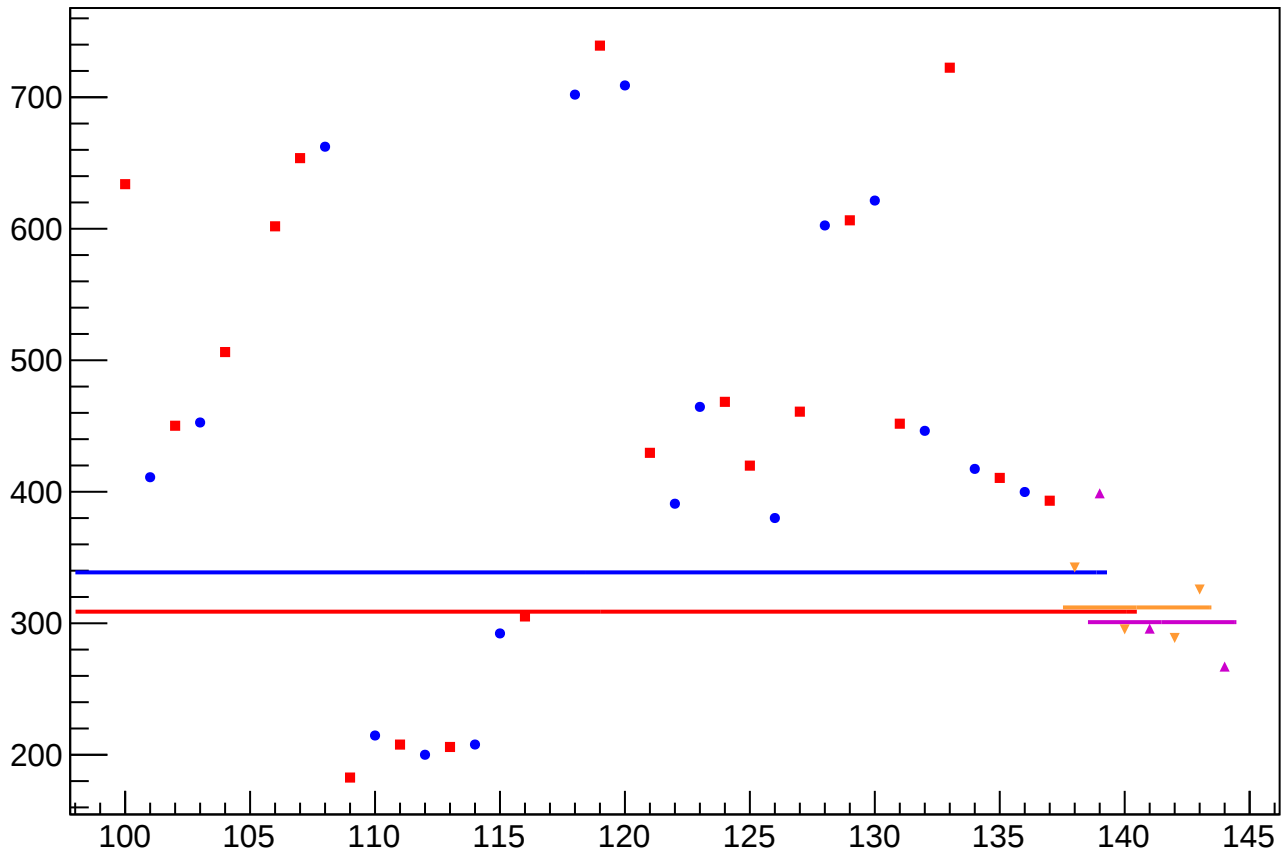
Left In: -139.735+/-196.330 χ^2/NDF : 2.7/2

+ sign 191.087+/-115.330 χ^2/NDF : 31.6/20

All: 176.846+/-78.942 χ^2/NDF : 46.7/42

- sign 164.292+/-108.284 χ^2/NDF : 15.1/21

asym_sam7_rms vs Slug



Right In: 338.706 $\pm$ 0.101 χ^2 /NDF: 2007568.0/16

Left Out: 312.057 $\pm$ 0.137 χ^2 /NDF: 24080.0/3

Right Out: 308.833 $\pm$ 0.092 χ^2 /NDF: 2732710.6/18

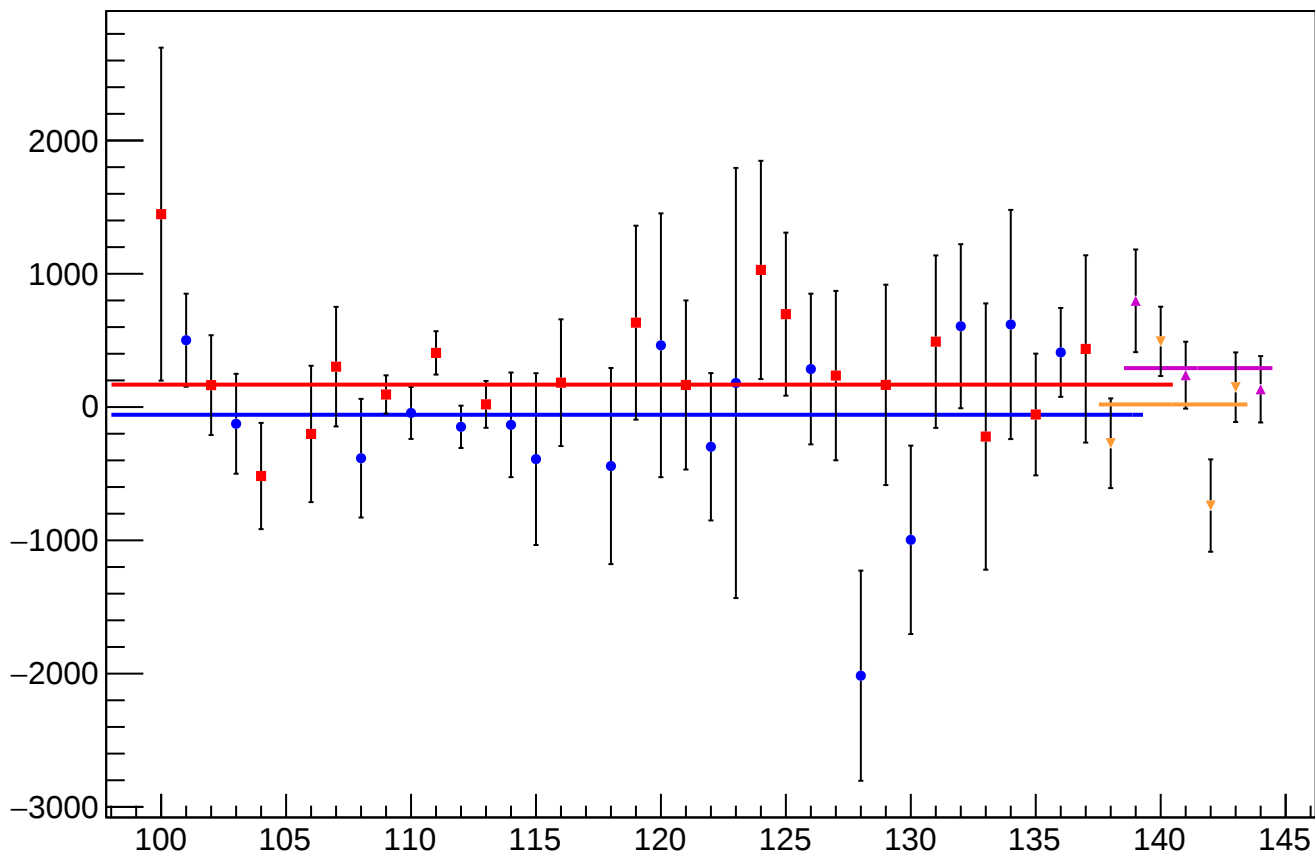
Left In: 300.865 $\pm$ 0.139 χ^2 /NDF: 114996.3/2

+ sign 329.325 $\pm$ 0.082 χ^2 /NDF: 2056005.2/20

All: 317.146 $\pm$ 0.056 χ^2 /NDF: 4947971.0/42

- sign 306.409 $\pm$ 0.077 χ^2 /NDF: 2849999.1/21

asym_sam8_mean vs Slug



Right In: -57.851 ± 90.694 χ^2/NDF : 16.6/16

Left Out: 19.537 ± 146.512 χ^2/NDF : 9.1/3

Right Out: 168.323 ± 76.968 χ^2/NDF : 10.8/18

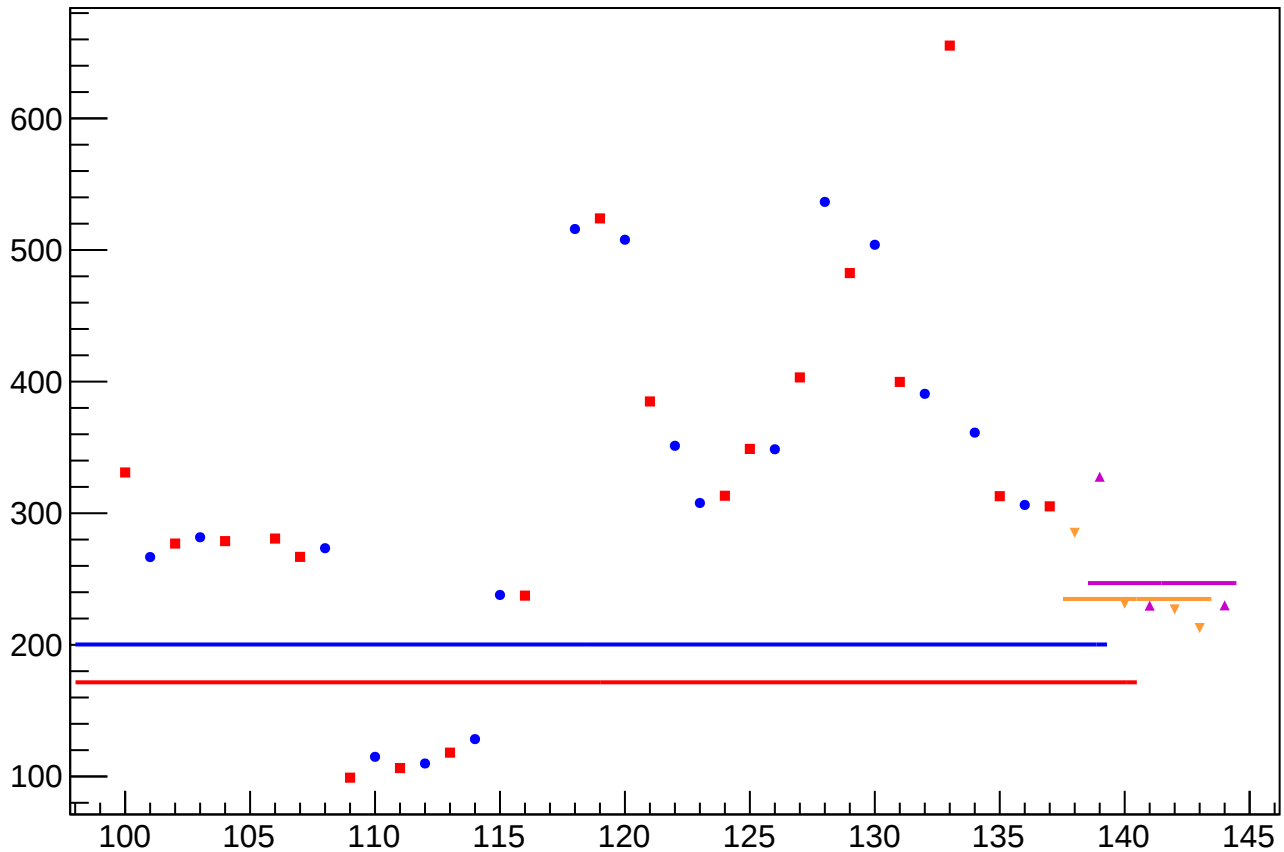
Left In: 292.282 ± 160.684 χ^2/NDF : 2.2/2

+ sign -36.412 ± 77.115 χ^2/NDF : 25.9/20

All: 89.463 ± 51.592 χ^2/NDF : 44.2/42

- sign 191.457 ± 69.415 χ^2/NDF : 13.4/21

asym_sam8_rms vs Slug



Right In: 200.283+/-0.064 χ^2/NDF : 3381863.8/16

Left Out: 234.881+/-0.104 χ^2/NDF :60394.6/3

Right Out: 171.547+/-0.054 χ^2/NDF : 4083247.6/18

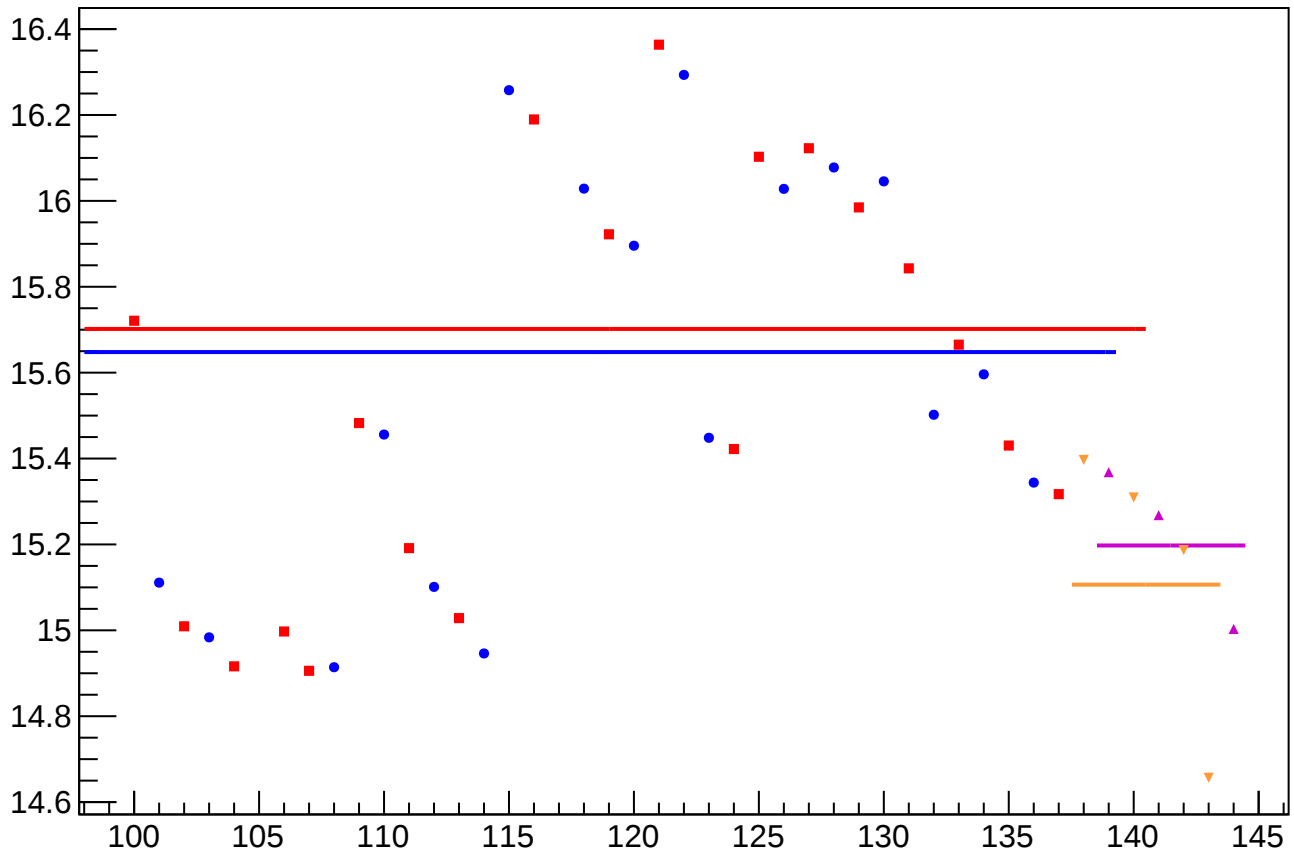
Left In: 246.940+/-0.114 χ^2/NDF :106513.8/2

+ sign 209.868+/-0.055 χ^2/NDF : 3522890.2/20

All: 196.472+/-0.036 χ^2/NDF : 8180045.6/42

- sign 185.617+/-0.049 χ^2/NDF : 4547891.0/21

yield_sam1_mean vs Slug



Right In: 15.648 $\pm$ 0.000 χ^2 /NDF: 5445005645.2/16

Left Out: 15.106 $\pm$ 0.000 χ^2 /NDF: 2699212449.6/3

Right Out: 15.702 $\pm$ 0.000 χ^2 /NDF: 5133327033.6/18

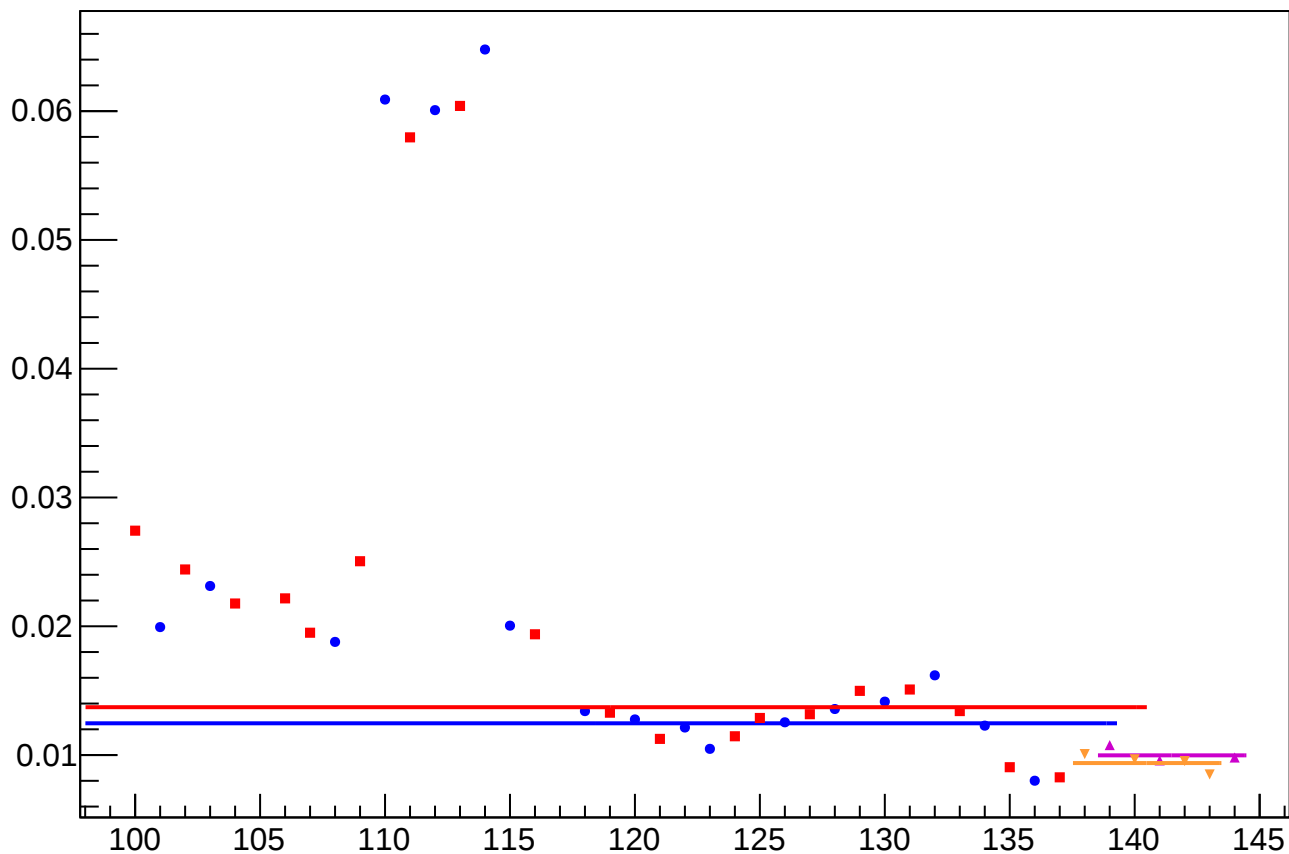
Left In: 15.198 $\pm$ 0.000 χ^2 /NDF: 540627097.5/2

+ sign 15.400 $\pm$ 0.000 χ^2 /NDF: 12593598909.4/20

All: 15.435 $\pm$ 0.000 χ^2 /NDF: 21705549636.1

- sign 15.477 $\pm$ 0.000 χ^2 /NDF: 8944337386.7/21

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2144984.5/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:21793.4/3

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077881.6/18

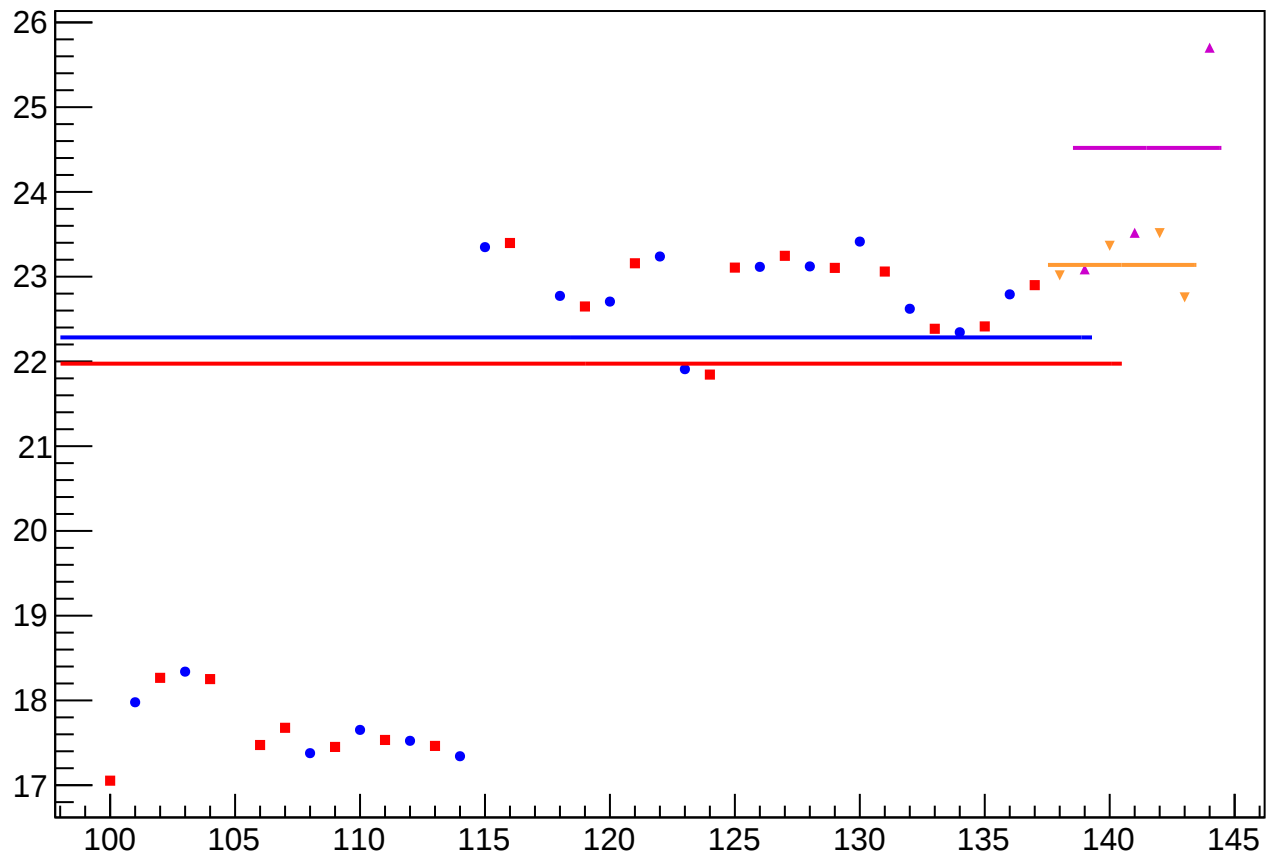
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:10859.3/2

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2455844.5/20

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4960235.6/42

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2448390.8/21

yield_sam2_mean vs Slug



Right In: 22.283 ± 0.000 χ^2/NDF : 929007366.8/16

Left Out: 23.139 ± 0.000 χ^2/NDF : 17237051.9/3

Right Out: 21.974 ± 0.000 χ^2/NDF : 1049661295.2/18

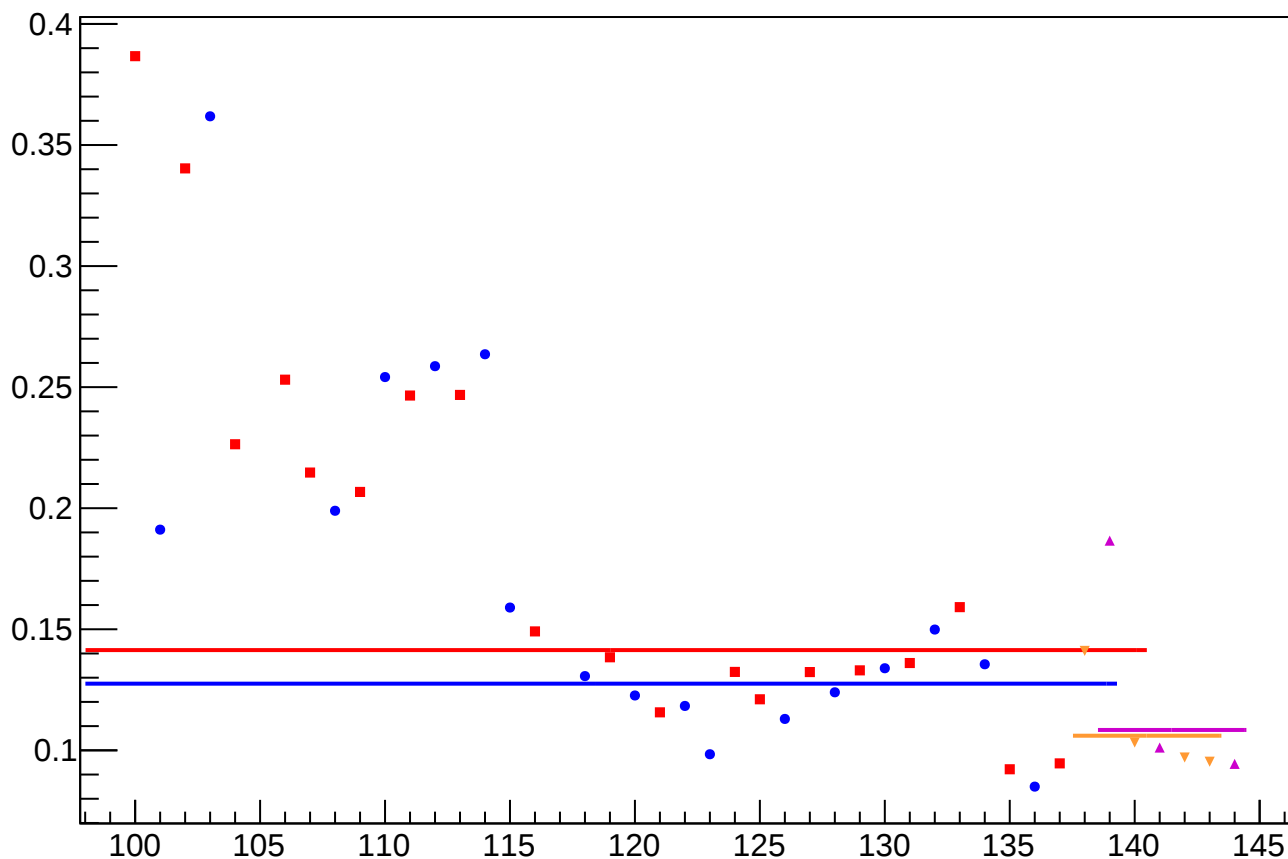
Left In: 24.519 ± 0.000 χ^2/NDF : 222457840.6/2

+ sign 22.603 ± 0.000 χ^2/NDF : 1031236751.1/20

All: 22.762 ± 0.000 χ^2/NDF : 3005626308.6/4

- sign 22.940 ± 0.000 χ^2/NDF : 1947812248.2/21

yield_sam2_rms vs Slug



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1490198.9/16

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF:99358.6/3

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1447700.3/18

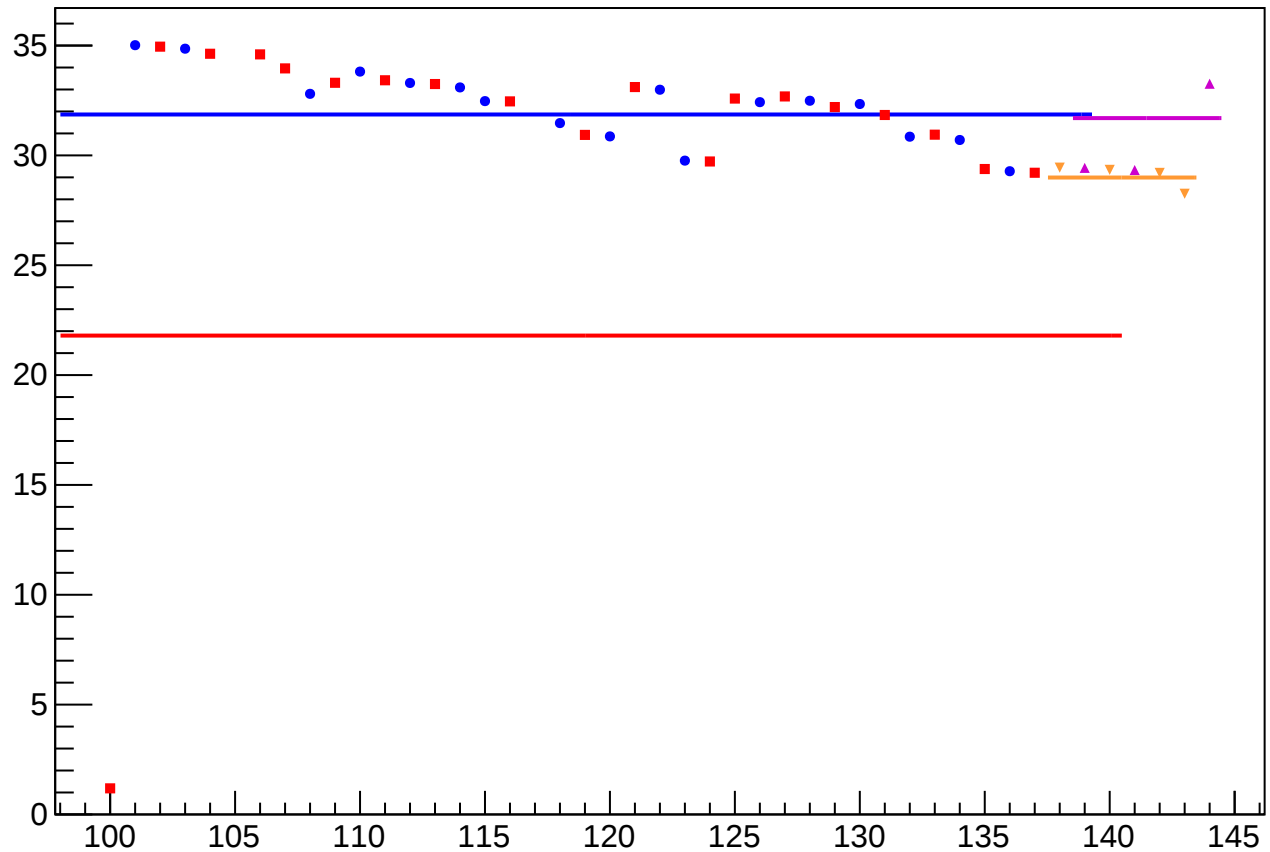
Left In: 0.108 $\pm$ 0.000 χ^2 /NDF:291954.1/2

+ sign 0.119 $\pm$ 0.000 χ^2 /NDF: 1696908.0/20

All: 0.124 $\pm$ 0.000 χ^2 /NDF: 3704629.6/42

- sign 0.129 $\pm$ 0.000 χ^2 /NDF: 1966545.8/21

yield_sam3_mean vs Slug



Right In: 31.862 $\pm$ 0.000 χ^2 /NDF: 1902439059.8/16

Left Out: 28.993 $\pm$ 0.000 χ^2 /NDF: 80222271.9/3

+ sign 30.961 $\pm$ 0.000 χ^2 /NDF: 3839244554.8/20

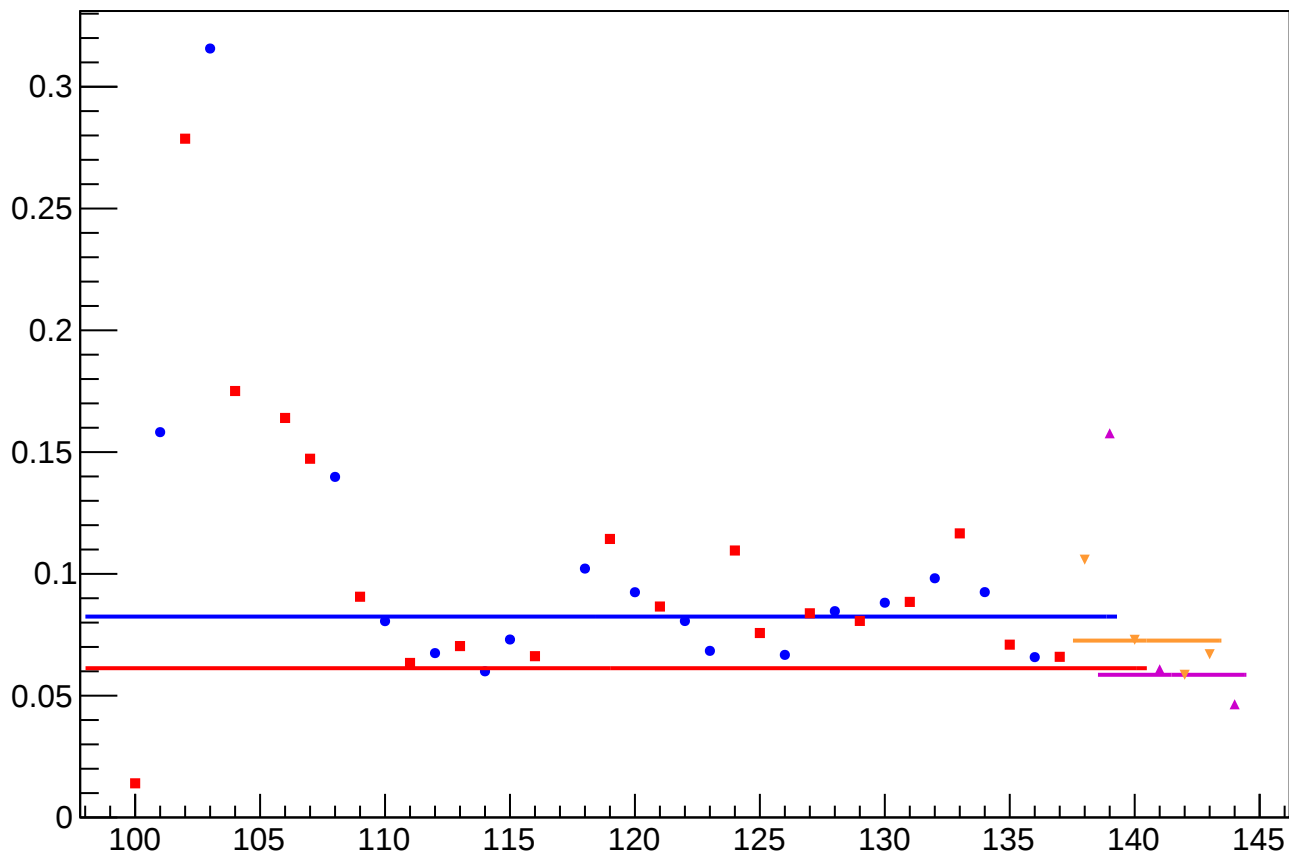
Right Out: 21.798 $\pm$ 0.000 χ^2 /NDF: 228949728350.0/18

All: 27.272 $\pm$ 0.000 χ^2 /NDF: 289021201989.

Left In: 31.697 $\pm$ 0.000 χ^2 /NDF: 1613051597.4/2

- sign 24.697 $\pm$ 0.000 χ^2 /NDF: 260995314282.7/21

yield_sam3_rms vs Slug



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1182597.0/16

Left Out: 0.073 $\pm$ 0.000 χ^2 /NDF:148956.8/3

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3604725.9/18

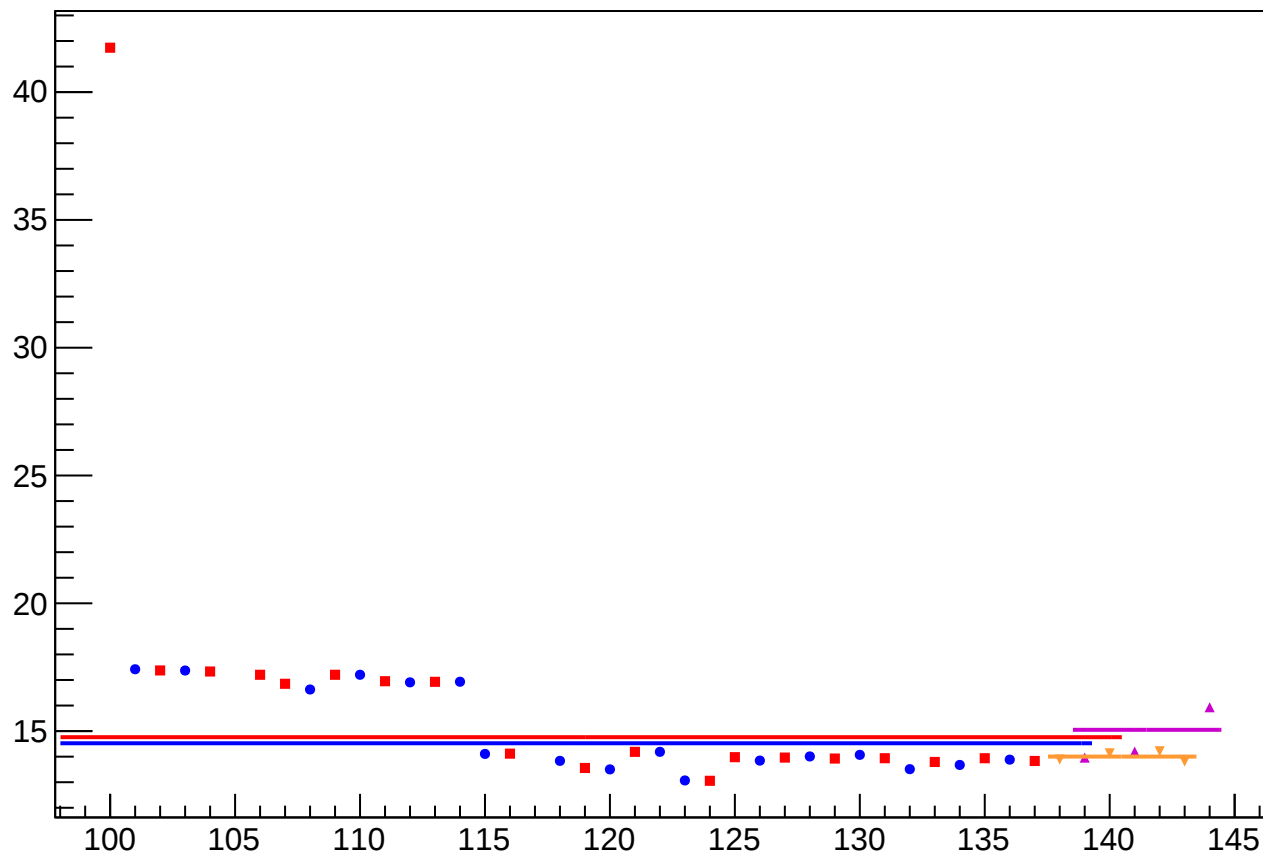
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF:645205.7/2

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 1375361.4/20

All: 0.068 $\pm$ 0.000 χ^2 /NDF: 6069825.6/42

- sign 0.060 $\pm$ 0.000 χ^2 /NDF: 4254471.4/21

yield_sam4_mean vs Slug



Right In: 14.524+/-0.000 χ^2/NDF : 1485492036.5/16

Left Out: 14.003+/-0.000 χ^2/NDF : 11166550.2/3

Right Out: 14.762+/-0.000 χ^2/NDF : 1903088882.9/18

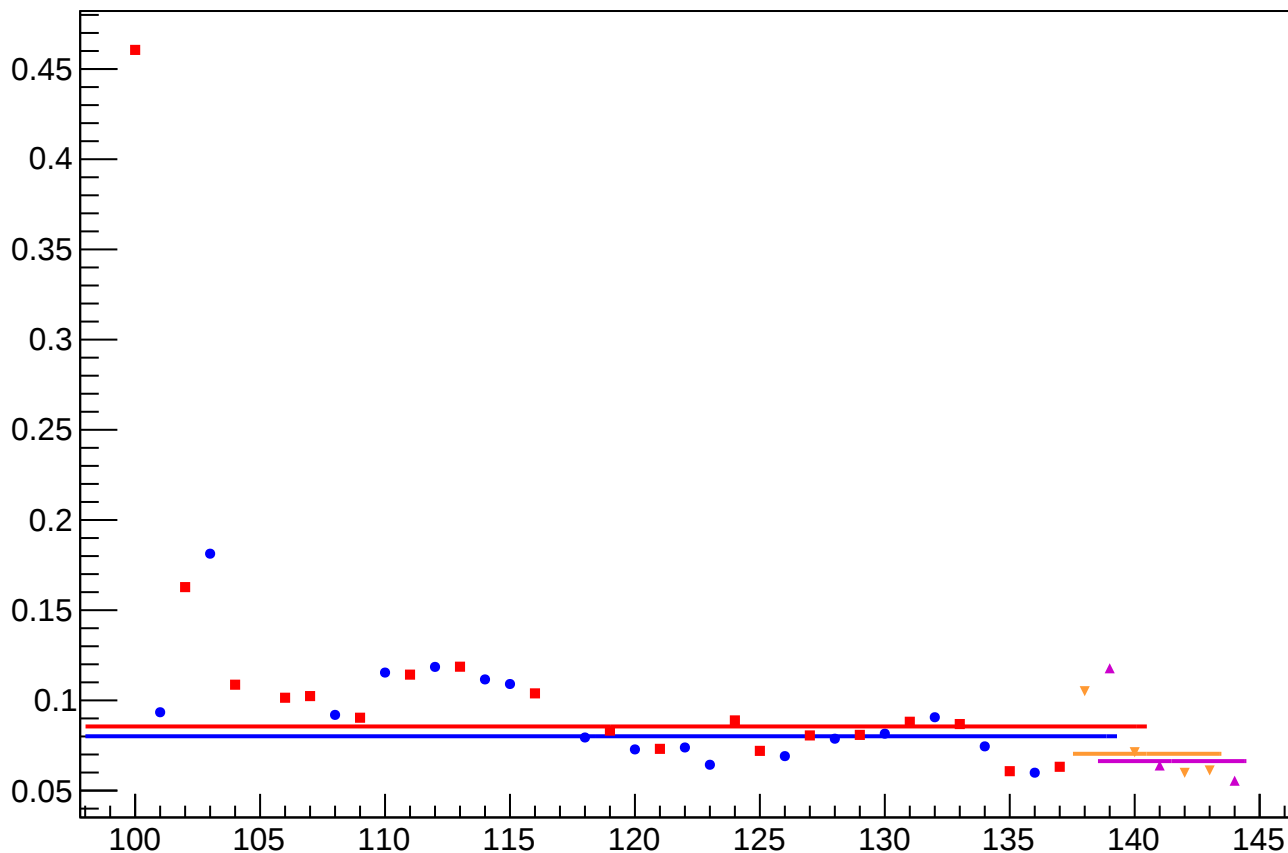
Left In: 15.050+/-0.000 χ^2/NDF : 331245645.8/2

+ sign 14.363+/-0.000 χ^2/NDF : 1569002498.0/20

All: 14.607+/-0.000 χ^2/NDF : 3977064957.0/4

- sign 14.859+/-0.000 χ^2/NDF : 2256837413.5/21

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 775791.3/16

Left Out: 0.070+/-0.000 χ^2/NDF : 181479.3/3

Right Out: 0.086+/-0.000 χ^2/NDF : 738760.7/18

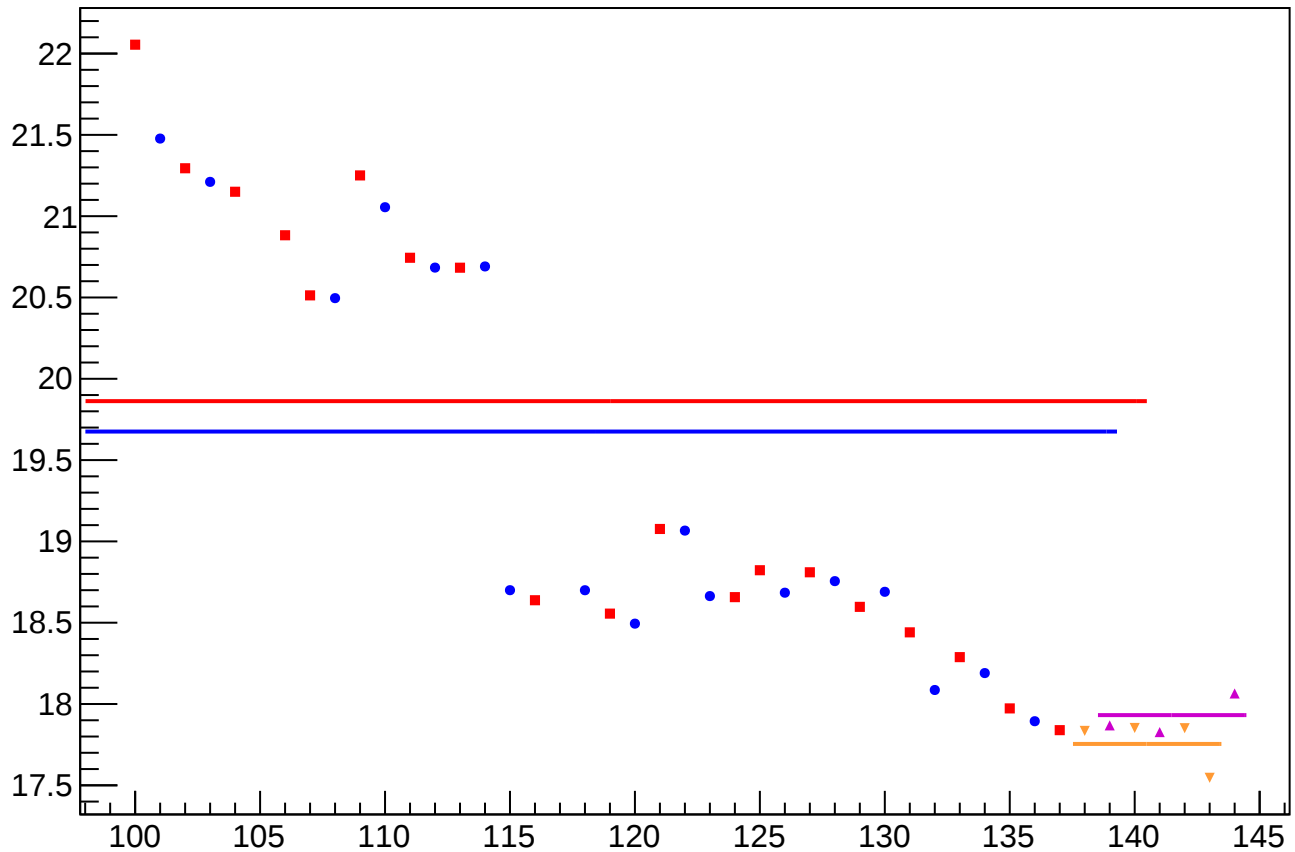
Left In: 0.066+/-0.000 χ^2/NDF : 320366.4/2

+ sign 0.077+/-0.000 χ^2/NDF : 1007546.4/20

All: 0.078+/-0.000 χ^2/NDF : 2271020.2/42

- sign 0.079+/-0.000 χ^2/NDF : 1258789.6/21

yield_sam5_mean vs Slug



Right In: 19.676+/-0.000 χ^2/NDF : 12360927493.1/16

Left Out: 17.754+/-0.000 χ^2/NDF : 44631701.3/3

Right Out: 19.863+/-0.000 χ^2/NDF : 11443358824.6/18

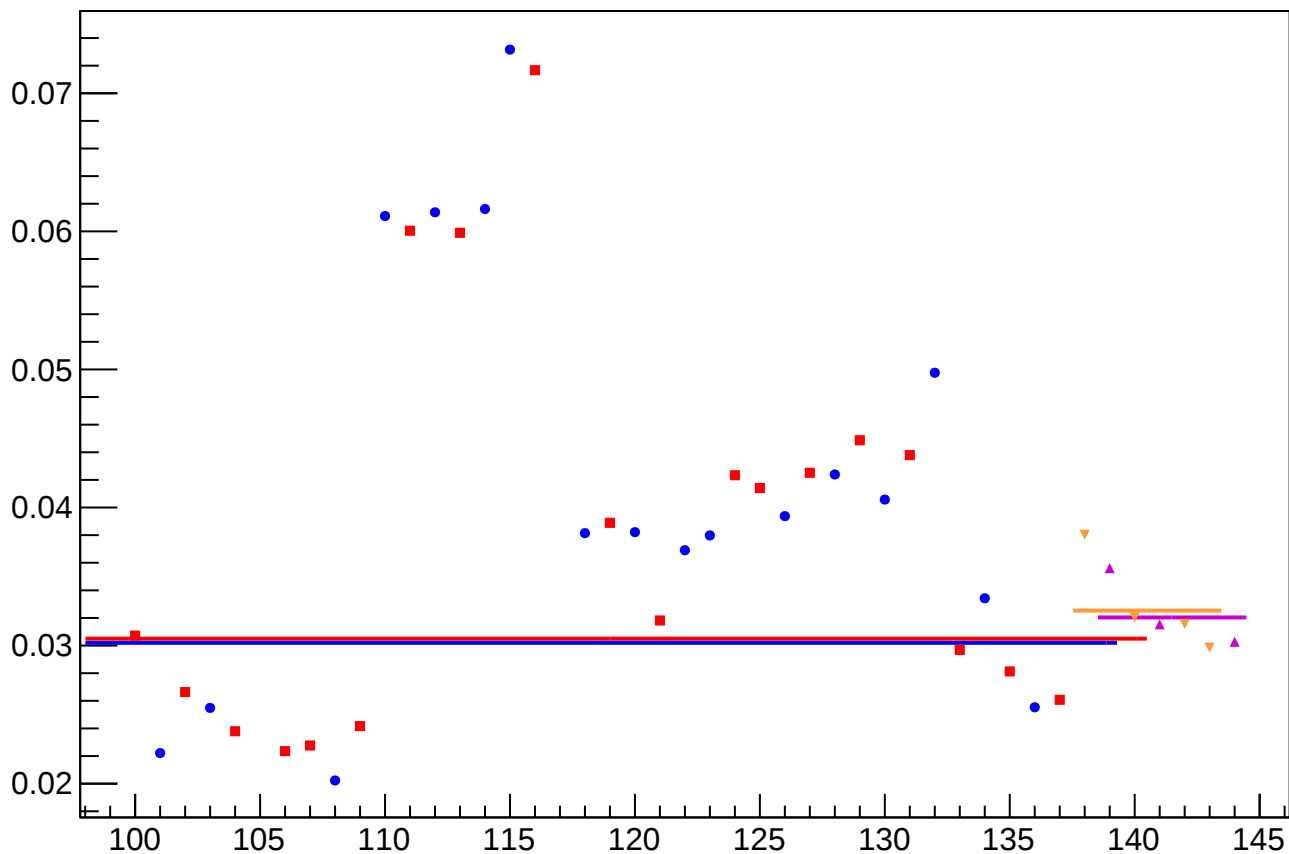
Left In: 17.932+/-0.000 χ^2/NDF : 26741625.4/2

+ sign 19.147+/-0.000 χ^2/NDF : 18599502471.2/20

All: 19.253+/-0.000 χ^2/NDF : 36434566620.1

- sign 19.357+/-0.000 χ^2/NDF : 17649239598.4/21

yield_sam5_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 1318915.0/16

Left Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 40523.4/3

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 1176229.2/18

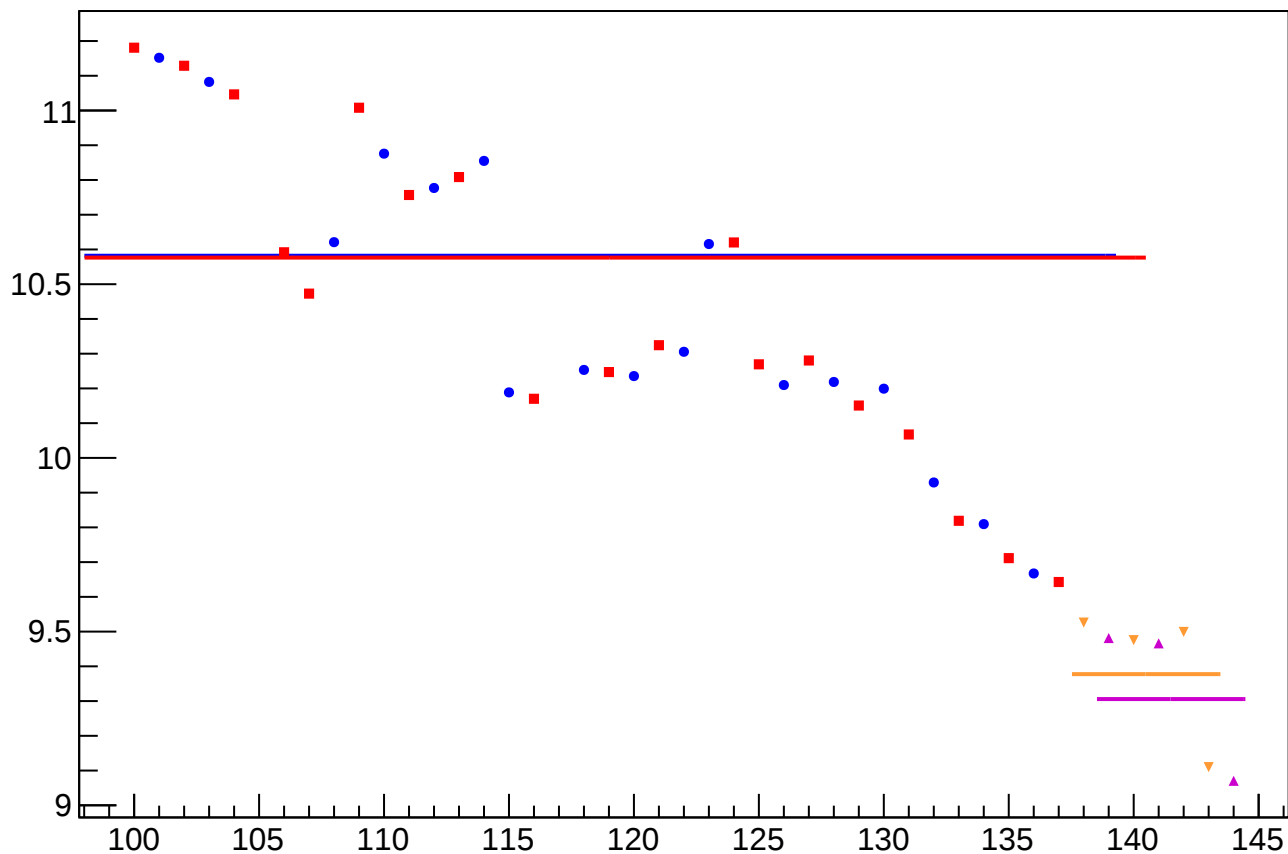
Left In: 0.032 $\pm$ 0.000 χ^2 /NDF: 19960.8/2

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 1377724.9/20

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 2581747.7/42

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 1203988.9/21

yield_sam6_mean vs Slug



Right In: 10.582+/-0.000 χ^2/NDF : 7496301993.4/16

Left Out: 9.378+/-0.000 χ^2/NDF : 226185236.6/3

Right Out: 10.577+/-0.000 χ^2/NDF : 5832154064.6/18

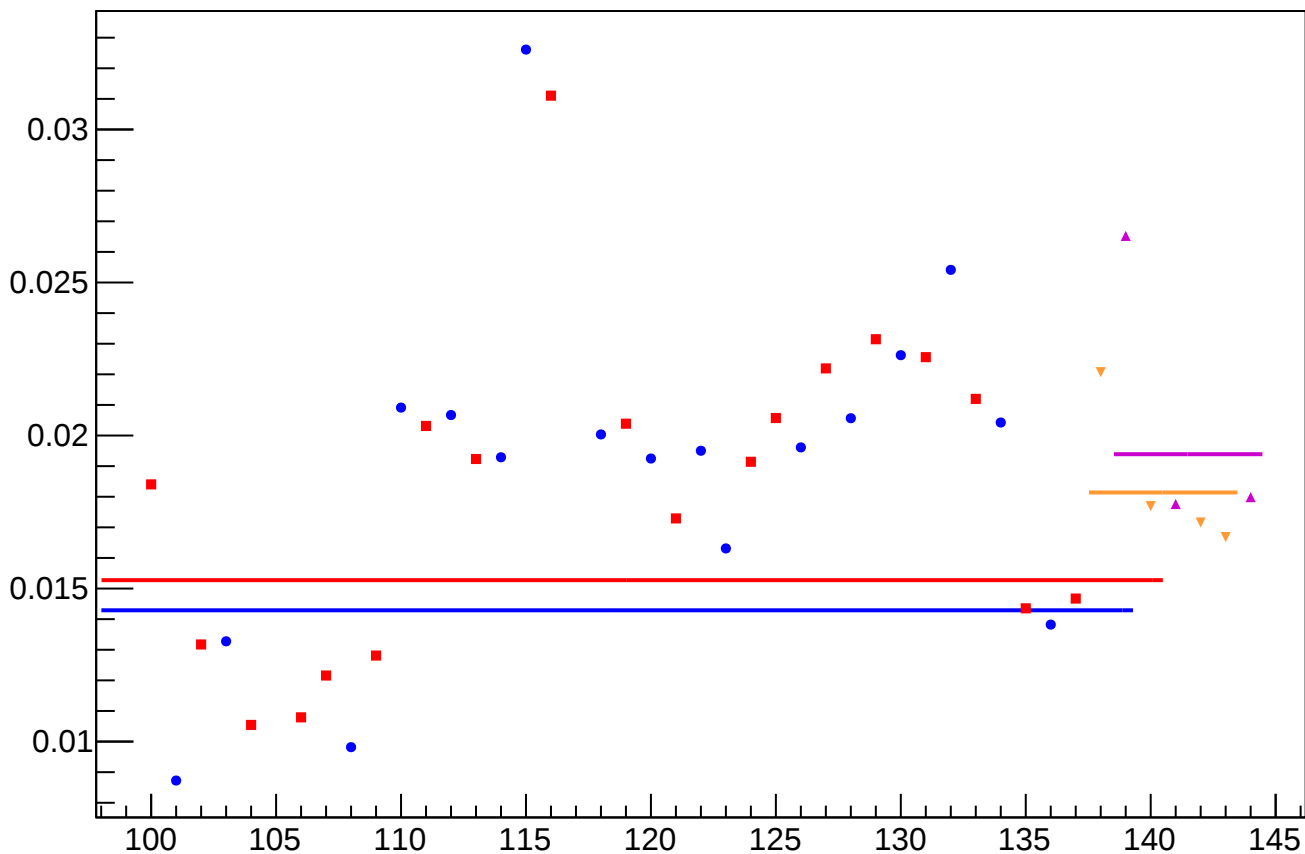
Left In: 9.306+/-0.000 χ^2/NDF : 226421962.5/2

+ sign 10.325+/-0.000 χ^2/NDF : 15783093151.7/20

All: 10.331+/-0.000 χ^2/NDF : 29492741519.4

- sign 10.338+/-0.000 χ^2/NDF : 13706818182.7/21

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1401060.2/16

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:55255.2/3

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 983878.2/18

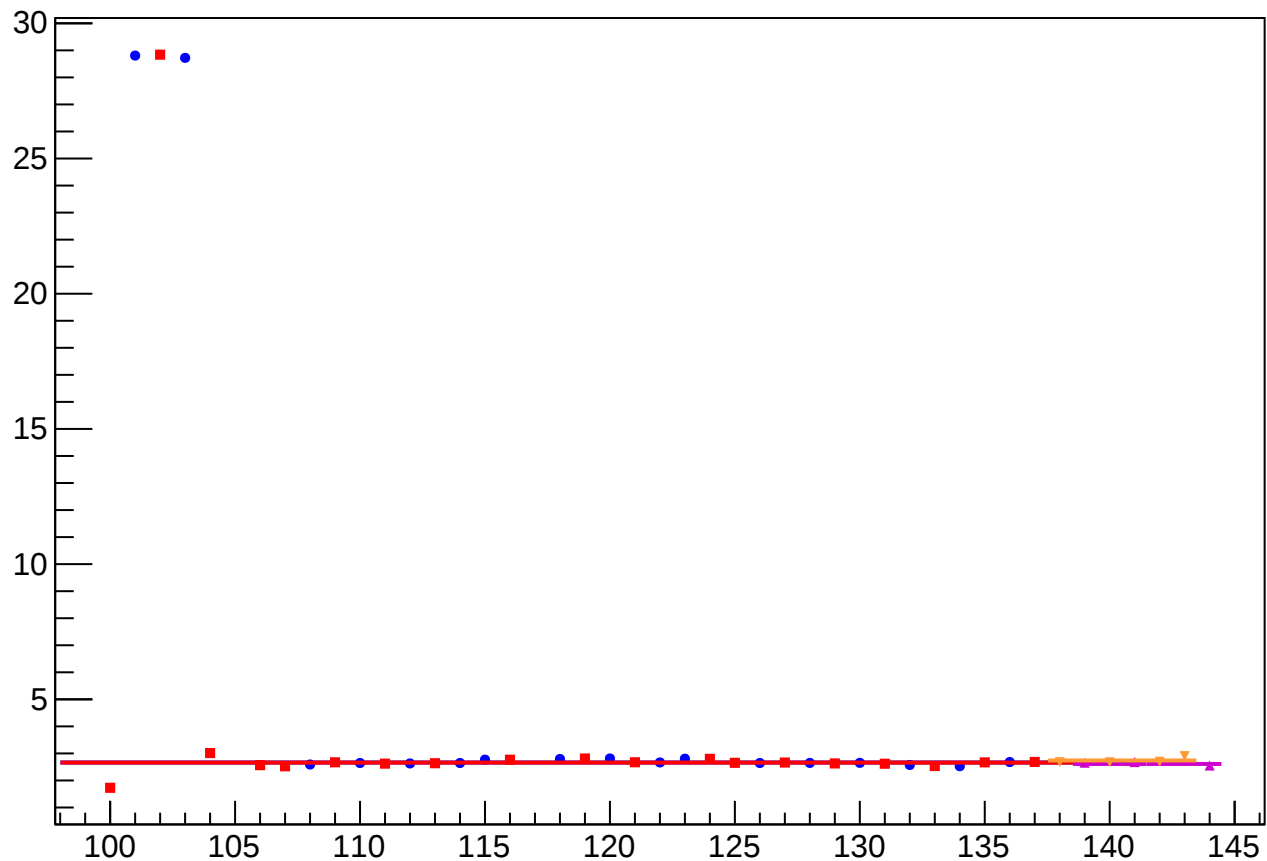
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:126159.9/2

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 1621035.3/20

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 2919556.7/42

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 1270499.3/21

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF : 163239224312.8/16

Left Out: 2.739+/-0.000 χ^2/NDF : 2904337194.3/3

Right Out: 2.661+/-0.000 χ^2/NDF : 70469517041.1/18

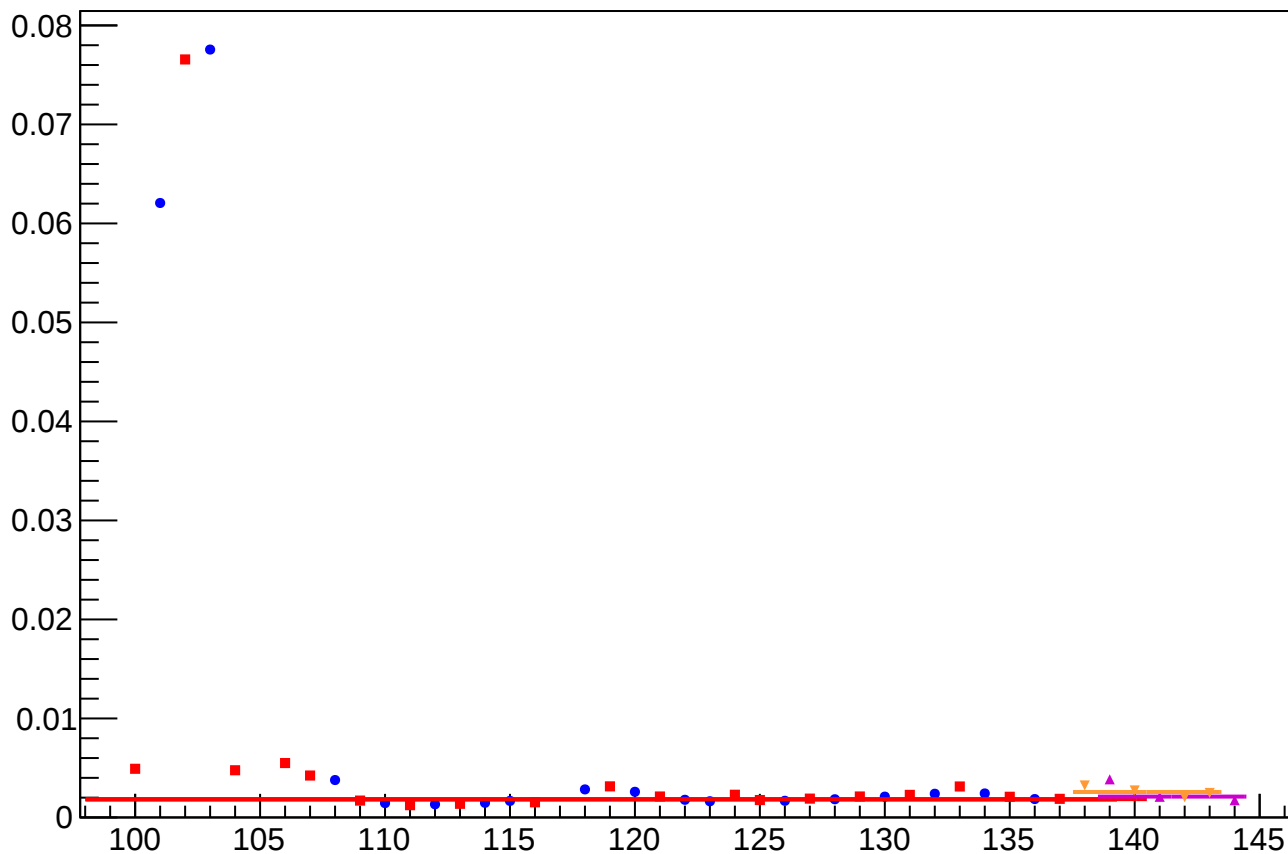
Left In: 2.611+/-0.000 χ^2/NDF : 1554443109.8/2

+ sign 2.678+/-0.000 χ^2/NDF : 167535246149.1/20

All: 2.663+/-0.000 χ^2/NDF : 241047063493.9

- sign 2.650+/-0.000 χ^2/NDF : 72832219296.8/21

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2661214.8/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:102302.0/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2328485.5/18

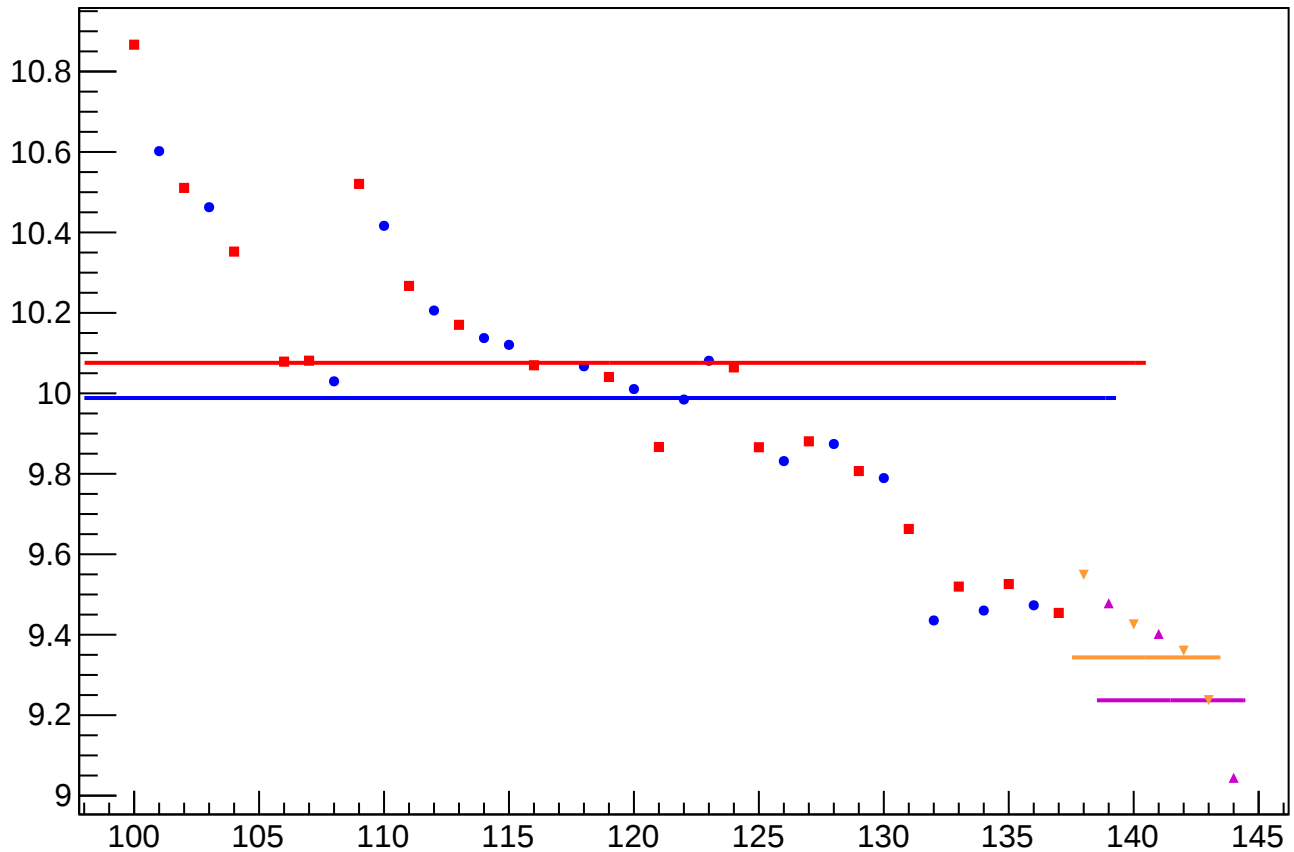
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:344374.4/2

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3043829.1/20

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5763673.6/42

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2715636.8/21

yield_sam8_mean vs Slug



Right In: 9.988 $\pm$ 0.000 χ^2 /NDF: 19058102133.2/16

Left Out: 9.344 $\pm$ 0.000 χ^2 /NDF: 491605290.3/3

Right Out: 10.076 $\pm$ 0.000 χ^2 /NDF: 15960763158.3/18

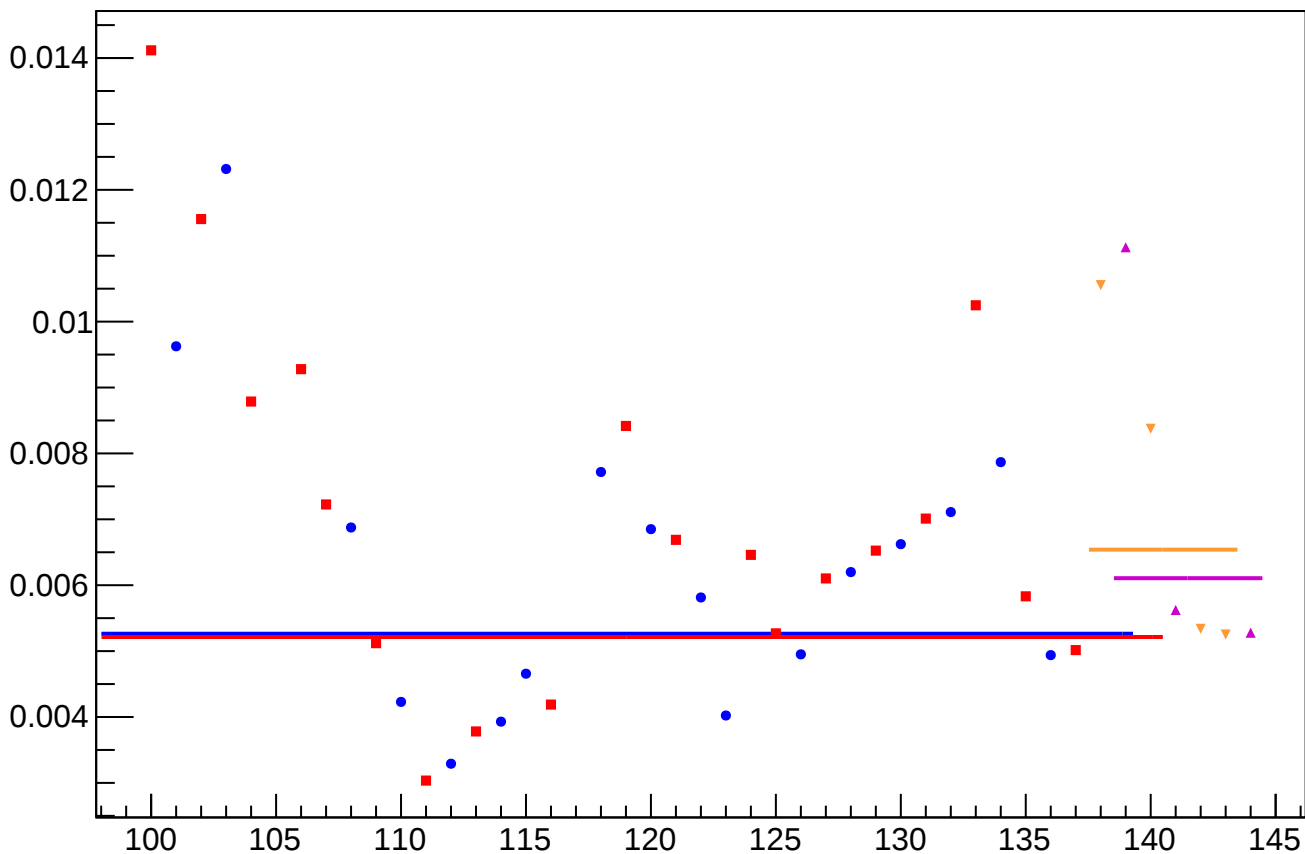
Left In: 9.237 $\pm$ 0.000 χ^2 /NDF: 1660086782.1/2

+ sign 9.866 $\pm$ 0.000 χ^2 /NDF: 33827659116.4/20

All: 9.890 $\pm$ 0.000 χ^2 /NDF: 78027491608.4/4

- sign 9.912 $\pm$ 0.000 χ^2 /NDF: 43957064582.8/21

yield_sam8_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1249771.4/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:319646.3/3

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1653053.2/18

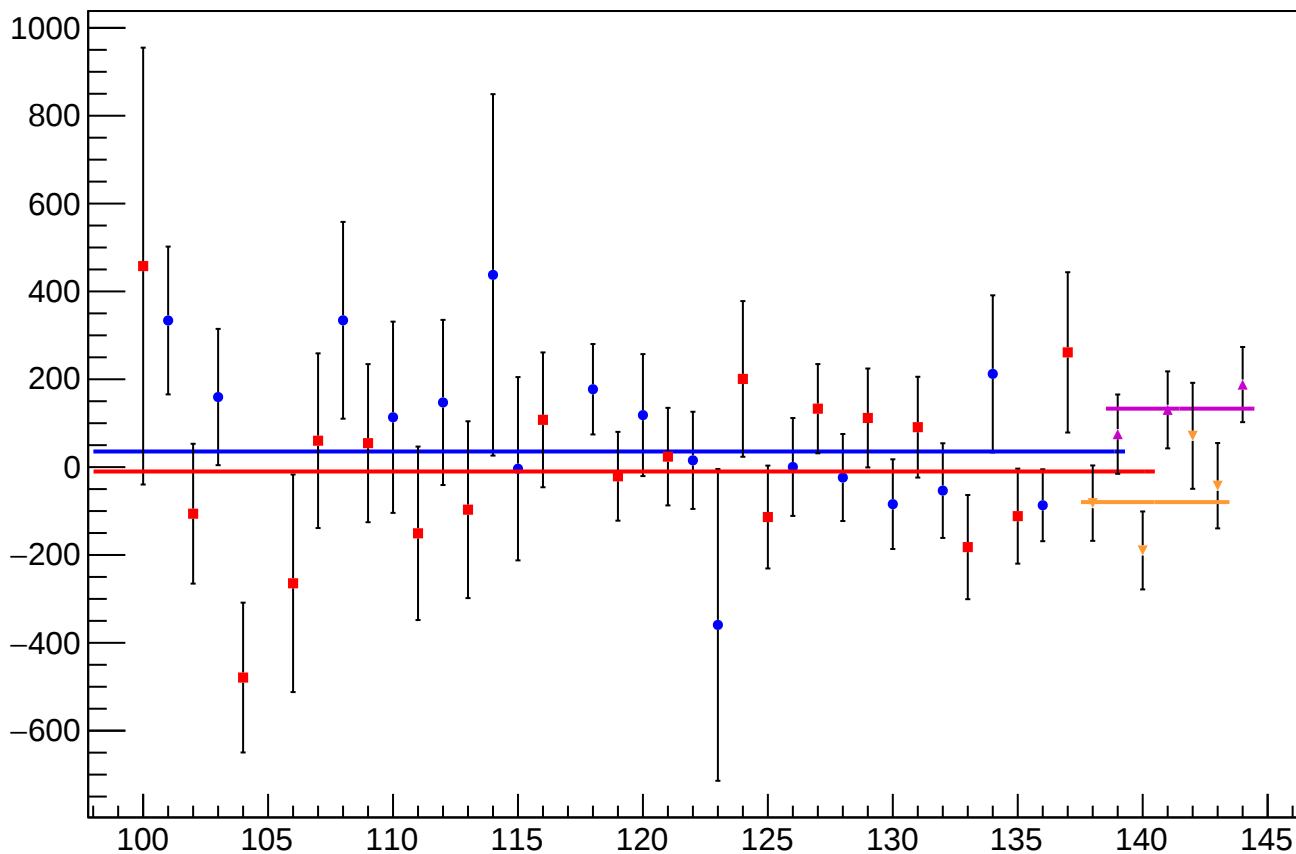
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:316672.4/2

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1681241.9/20

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 3713758.0/42

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2029341.4/21

reg_asym_sam1_mean vs Slug



Right In: 35.612 $\pm$ 32.342 χ^2 /NDF: 16.3/16

Left Out: -79.596 $\pm$ 47.811 χ^2 /NDF: 3.3/3

Right Out: -9.921 $\pm$ 32.186 χ^2 /NDF: 22.8/18

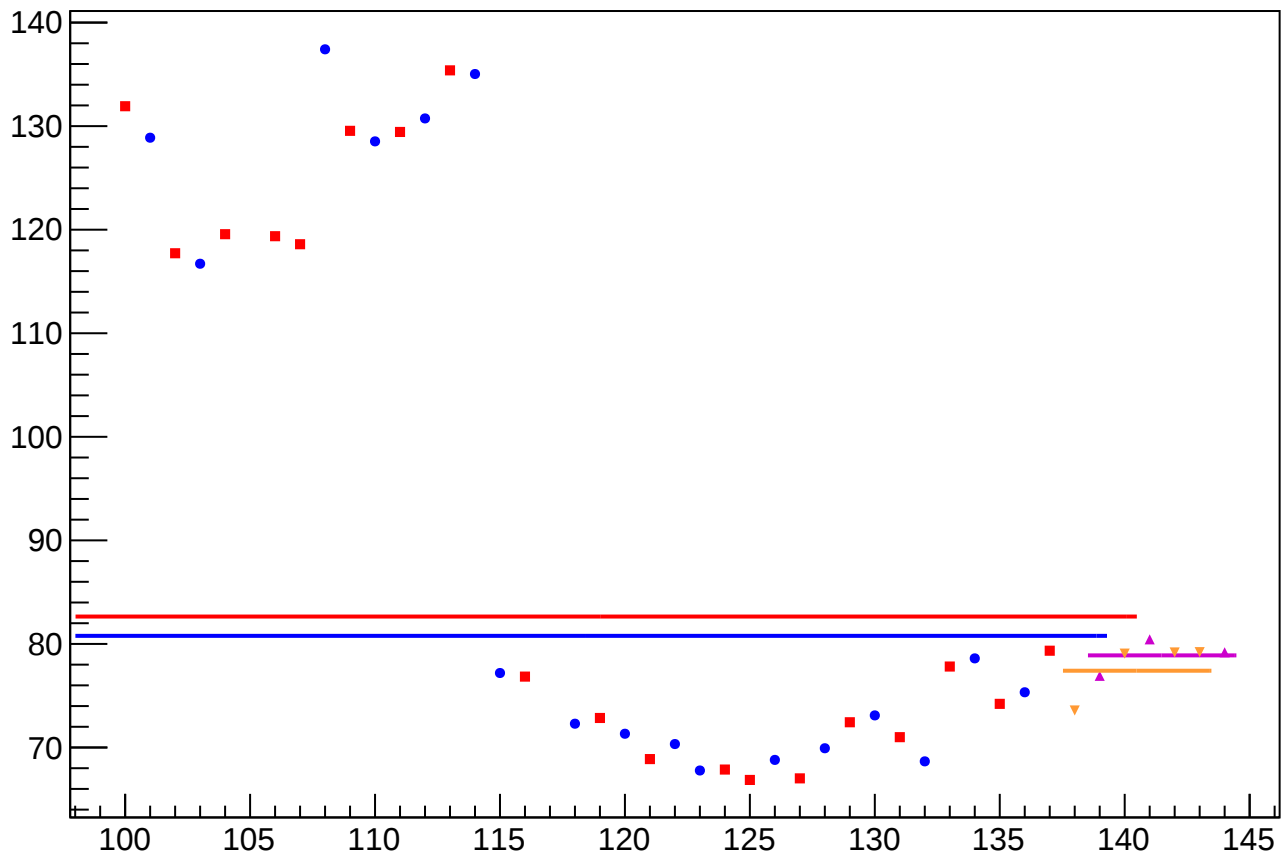
Left In: 133.132 $\pm$ 50.676 χ^2 /NDF: 0.8/2

+ sign -0.555 $\pm$ 26.788 χ^2 /NDF: 23.5/20

All: 15.098 $\pm$ 19.076 χ^2 /NDF: 53.6/42

- sign 31.199 $\pm$ 27.169 χ^2 /NDF: 29.3/21

reg_asym_sam1_rms vs Slug



Right In: 80.781 $\pm$ 0.023 χ^2 /NDF: 807781.3/16

Left Out: 77.413 $\pm$ 0.034 χ^2 /NDF: 5803.6/3

Right Out: 82.645 $\pm$ 0.023 χ^2 /NDF: 908392.3/18

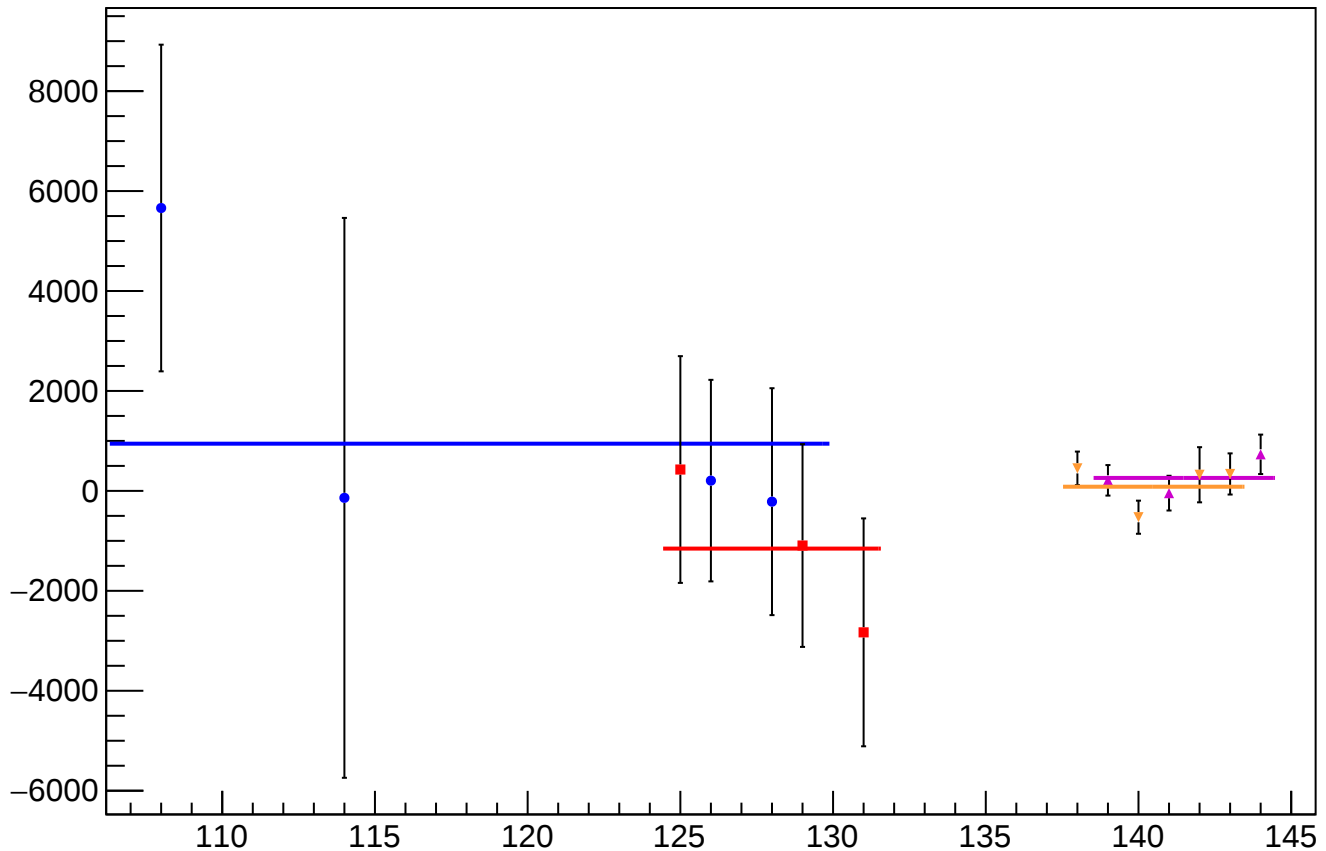
Left In: 78.895 $\pm$ 0.036 χ^2 /NDF: 1604.7/2

+ sign 79.724 $\pm$ 0.019 χ^2 /NDF: 820392.3/20

All: 80.632 $\pm$ 0.013 χ^2 /NDF: 1742861.9/42

- sign 81.567 $\pm$ 0.019 χ^2 /NDF: 917801.8/21

asym_sam1_correction_mean vs Slug



Right In: 944.622 $\pm$ 1329.889 χ^2 /NDF: 2.5/3

Left Out: 83.566 $\pm$ 191.804 χ^2 /NDF: 5.2/3

Right Out: -1154.707 $\pm$ 1260.302 χ^2 /NDF: 1.0/2

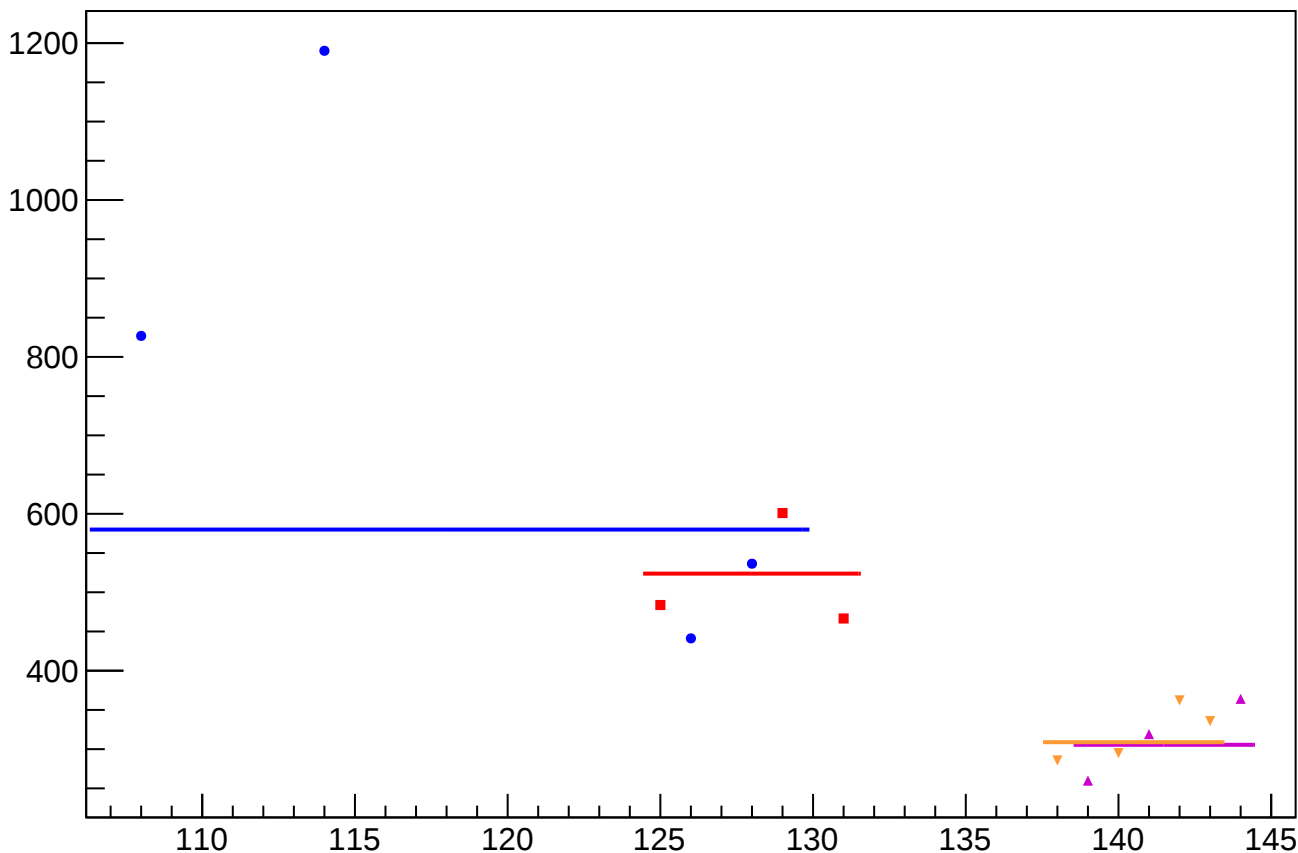
Left In: 259.337 $\pm$ 198.298 χ^2 /NDF: 2.2/2

+ sign 101.112 $\pm$ 189.839 χ^2 /NDF: 8.1/7

All: 161.199 $\pm$ 136.325 χ^2 /NDF: 12.8/13

- sign 225.176 $\pm$ 195.888 χ^2 /NDF: 4.5/5

asym_sam1_correction_rms vs Slug



Right In: 579.917+/-0.940 χ^2/NDF : 45346.8/3

Left Out: 308.890+/-0.136 χ^2/NDF : 40285.9/3

Right Out: 523.753+/-0.891 χ^2/NDF : 4780.0/2

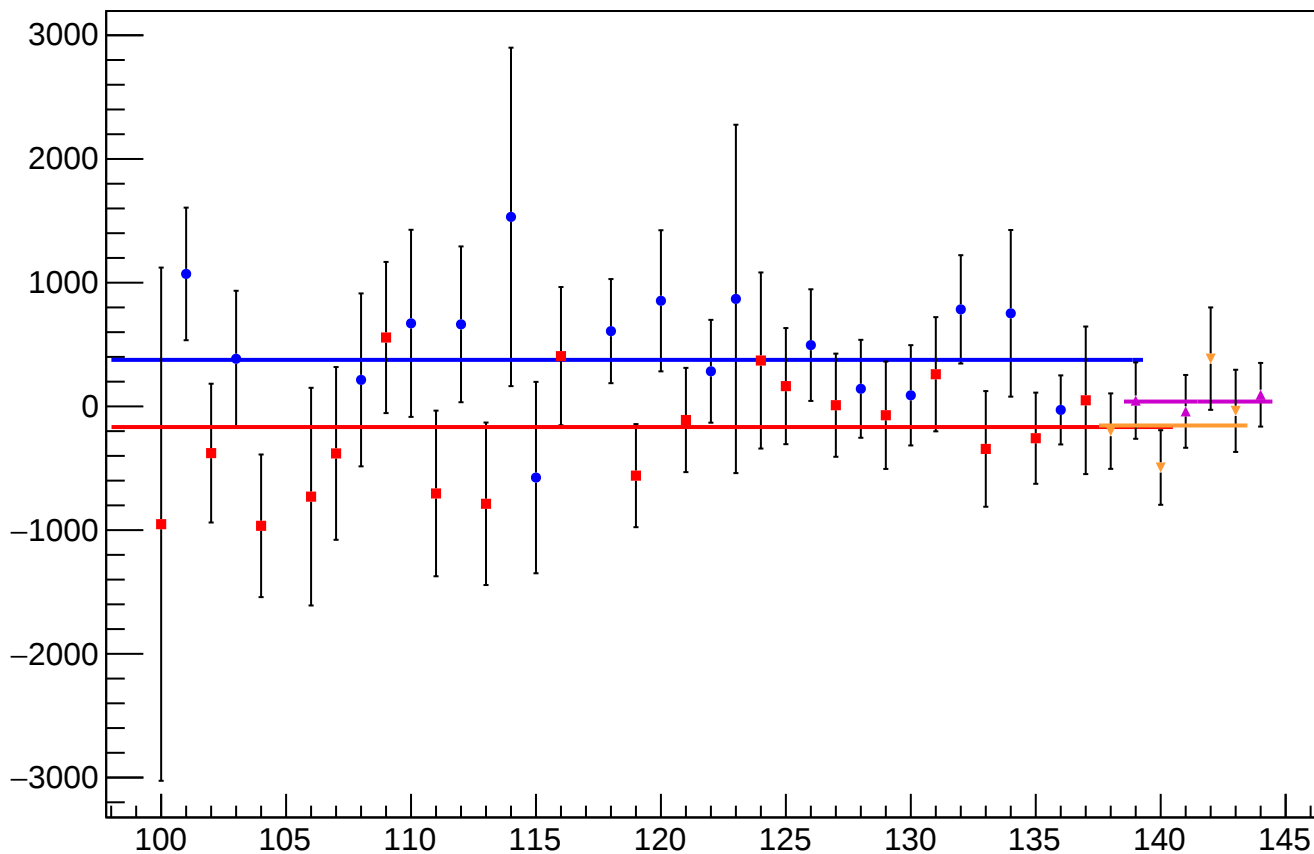
Left In: 305.531+/-0.140 χ^2/NDF : 91970.3/2

+ sign 314.413+/-0.134 χ^2/NDF : 167006.4/7

All: 312.664+/-0.096 χ^2/NDF : 322620.6/13

- sign 310.803+/-0.139 χ^2/NDF : 155263.9/5

reg_asym_sam2_mean vs Slug



Right In: 376.077+/-121.292 χ^2/NDF : 9.7/16

Left Out: -154.304+/-165.177 χ^2/NDF : 3.1/3

Right Out: -166.872+/-120.731 χ^2/NDF : 10.1/18

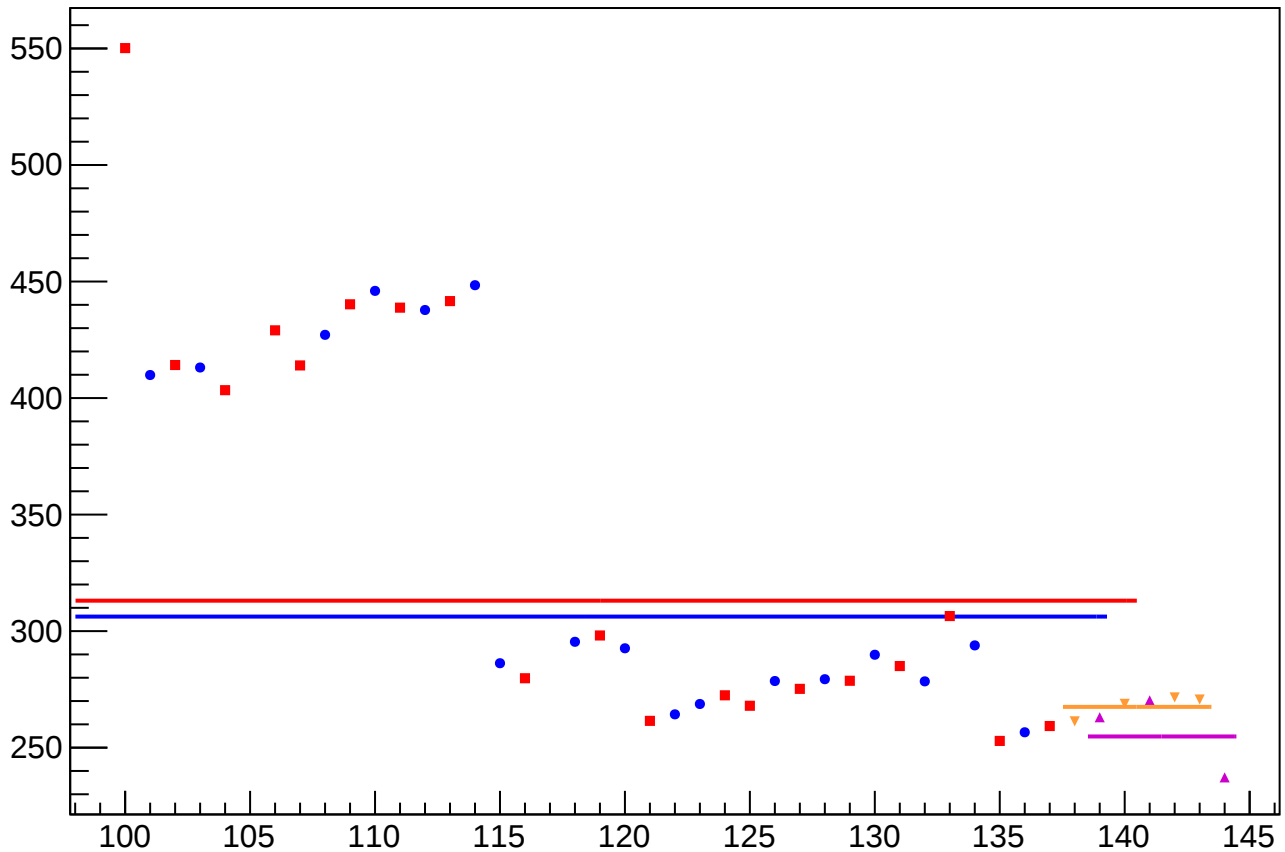
Left In: 39.075+/-164.108 χ^2/NDF : 0.1/2

+ sign 190.274+/-97.765 χ^2/NDF : 19.5/20

All: 47.109+/-68.947 χ^2/NDF : 35.0/42

- sign -94.551+/-97.249 χ^2/NDF : 11.2/21

reg_asym_sam2_rms vs Slug



Right In: 306.241+/-0.086 χ^2/NDF : 505092.7/16

Left Out: 267.498+/-0.117 χ^2/NDF : 1239.9/3

Right Out: 313.066+/-0.085 χ^2/NDF : 621526.7/18

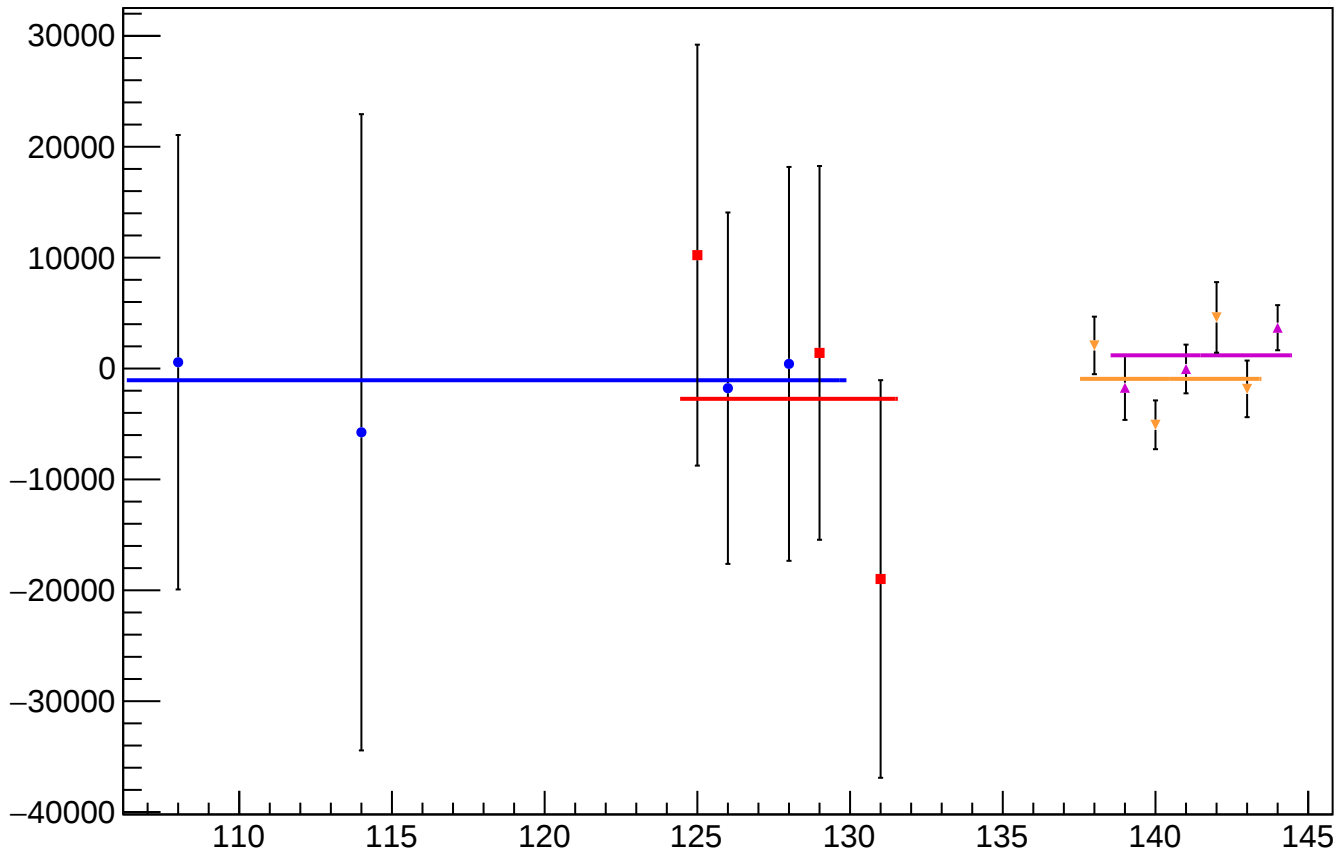
Left In: 254.803+/-0.116 χ^2/NDF : 16267.8/2

+ sign 292.669+/-0.069 χ^2/NDF : 577816.8/20

All: 292.637+/-0.049 χ^2/NDF : 1379175.8/42

- sign 292.606+/-0.069 χ^2/NDF : 801358.6/21

asym_sam2_correction_mean vs Slug



Right In: -1057.023+/-9645.185 χ^2/NDF : 0.0/3

Left Out: -930.540+/-1282.964 χ^2/NDF : 8.1/3

Right Out: -2731.442+/-10310.351 χ^2/NDF : 1.3/2

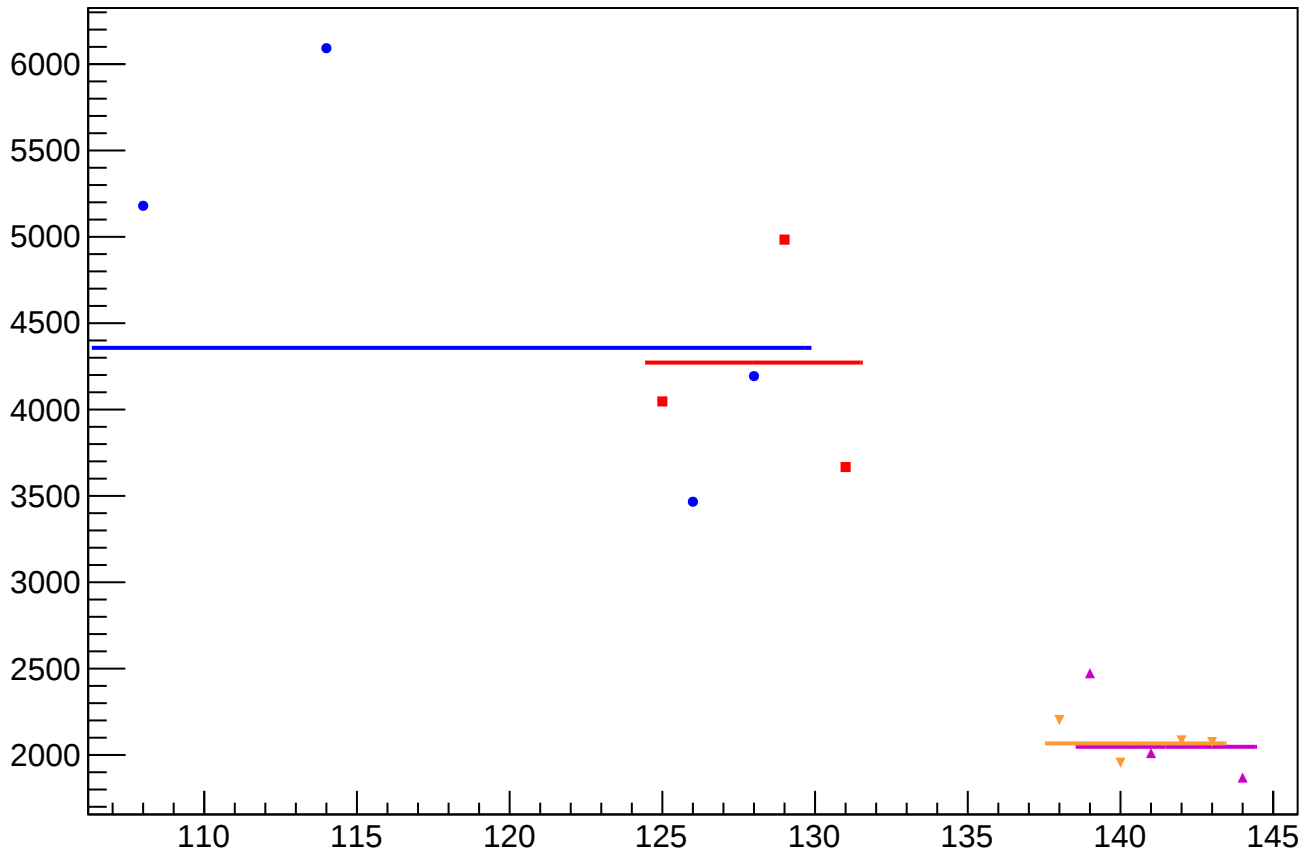
Left In: 1191.768+/-1327.183 χ^2/NDF : 2.8/2

+ sign -932.739+/-1271.763 χ^2/NDF : 8.1/7

All: 62.075+/-914.619 χ^2/NDF : 13.7/13

- sign 1127.821+/-1316.322 χ^2/NDF : 4.3/5

asym_sam2_correction_rms vs Slug



Right In: 4357.248+/-6.820 χ^2/NDF : 17030.4/3

Left Out: 2066.909+/-0.907 χ^2/NDF : 10662.7/3

Right Out: 4272.099+/-7.291 χ^2/NDF : 6125.9/2

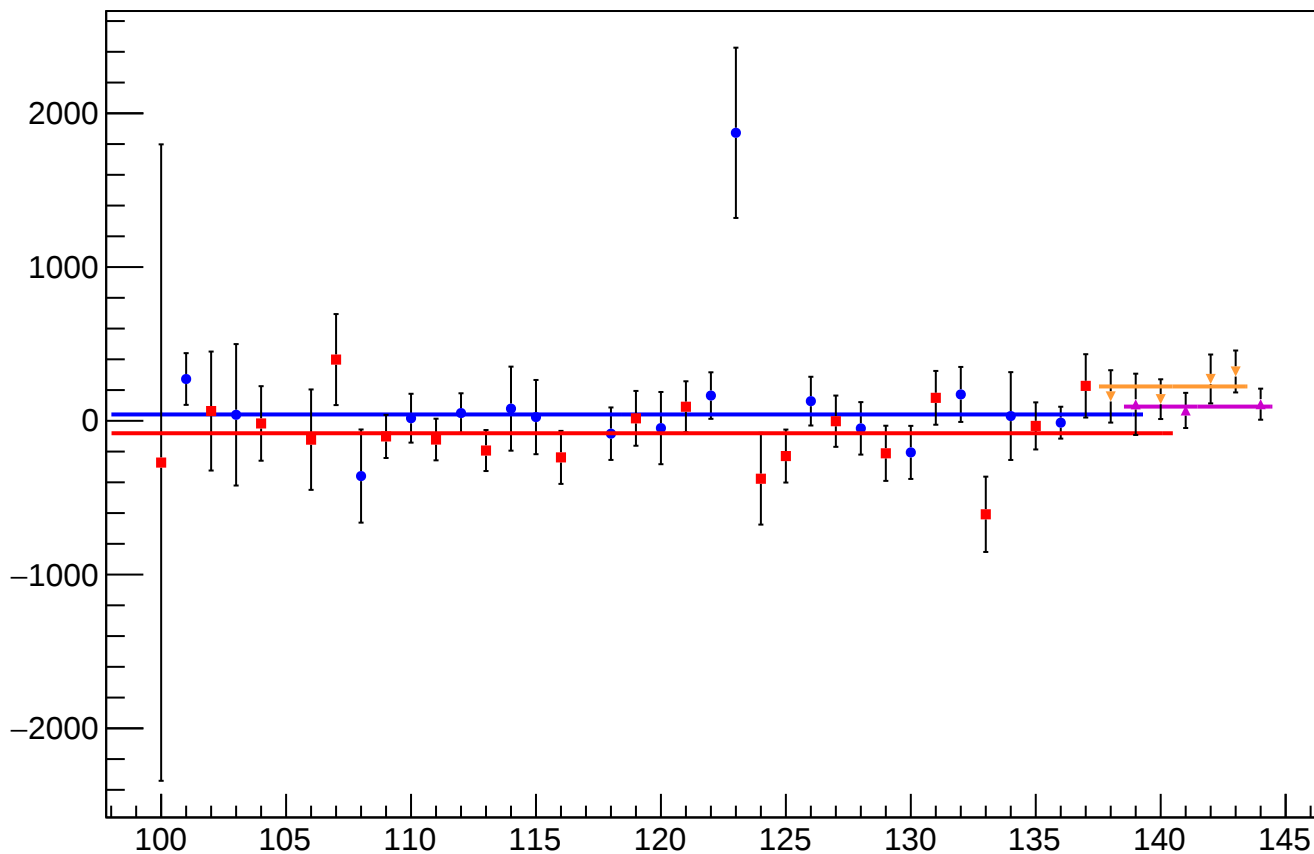
Left In: 2047.343+/-0.938 χ^2/NDF : 58906.6/2

+ sign 2106.728+/-0.899 χ^2/NDF : 138506.4/7

All: 2095.565+/-0.647 χ^2/NDF : 295461.2/13

- sign 2083.606+/-0.931 χ^2/NDF : 156635.7/5

reg_asym_sam3_mean vs Slug



Right In: 41.443 ± 43.633 χ^2/NDF : 19.4/16

Left Out: 223.476 ± 72.983 χ^2/NDF : 1.2/3

Right Out: -80.808 ± 43.212 χ^2/NDF : 17.1/18

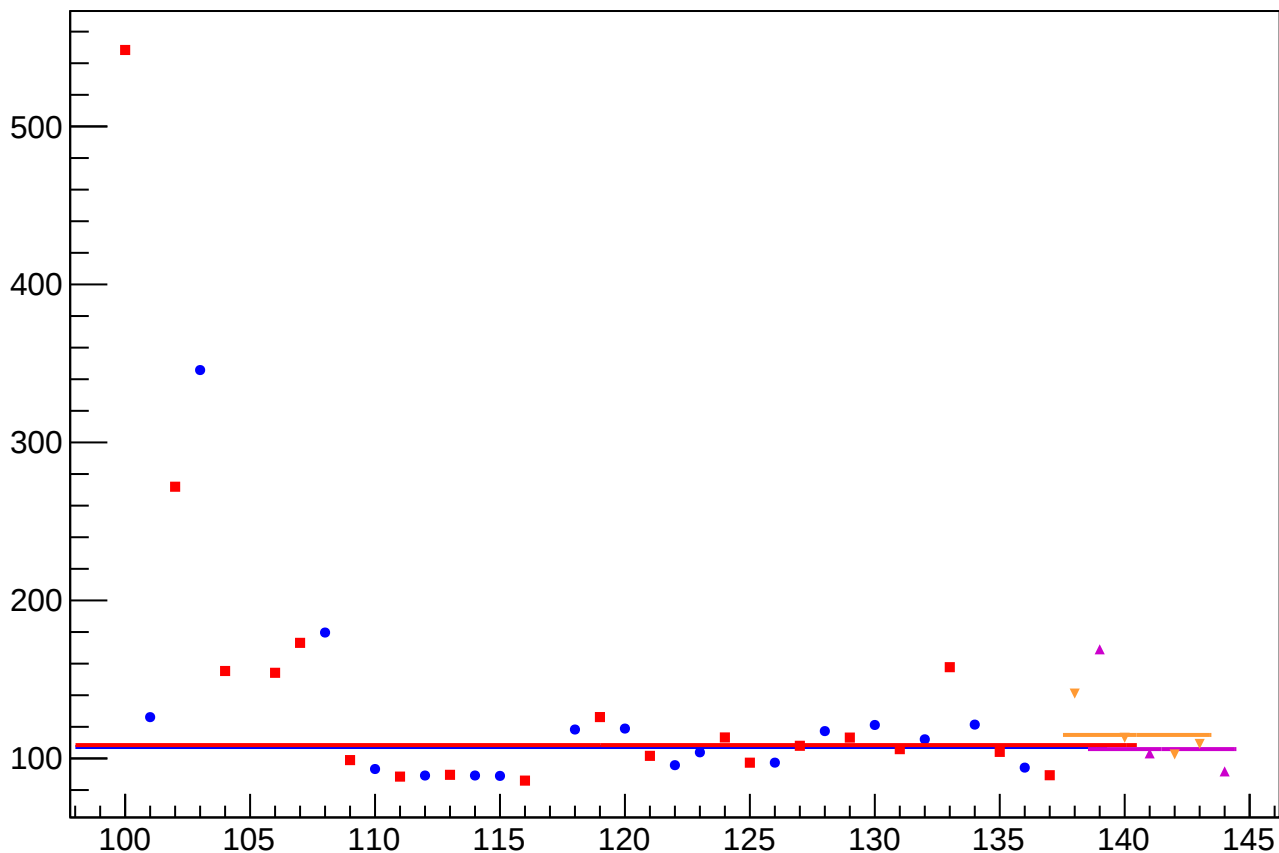
Left In: 92.503 ± 70.774 χ^2/NDF : 0.1/2

+ sign 89.374 ± 37.450 χ^2/NDF : 25.1/20

All: 26.873 ± 26.278 χ^2/NDF : 52.1/42

- sign -33.744 ± 36.881 χ^2/NDF : 21.5/21

reg_asym_sam3_rms vs Slug



Right In: 107.231+/-0.031 χ^2/NDF : 843493.4/16

Left Out: 114.872+/-0.052 χ^2/NDF : 63145.9/3

Right Out: 108.446+/-0.031 χ^2/NDF : 917457.6/18

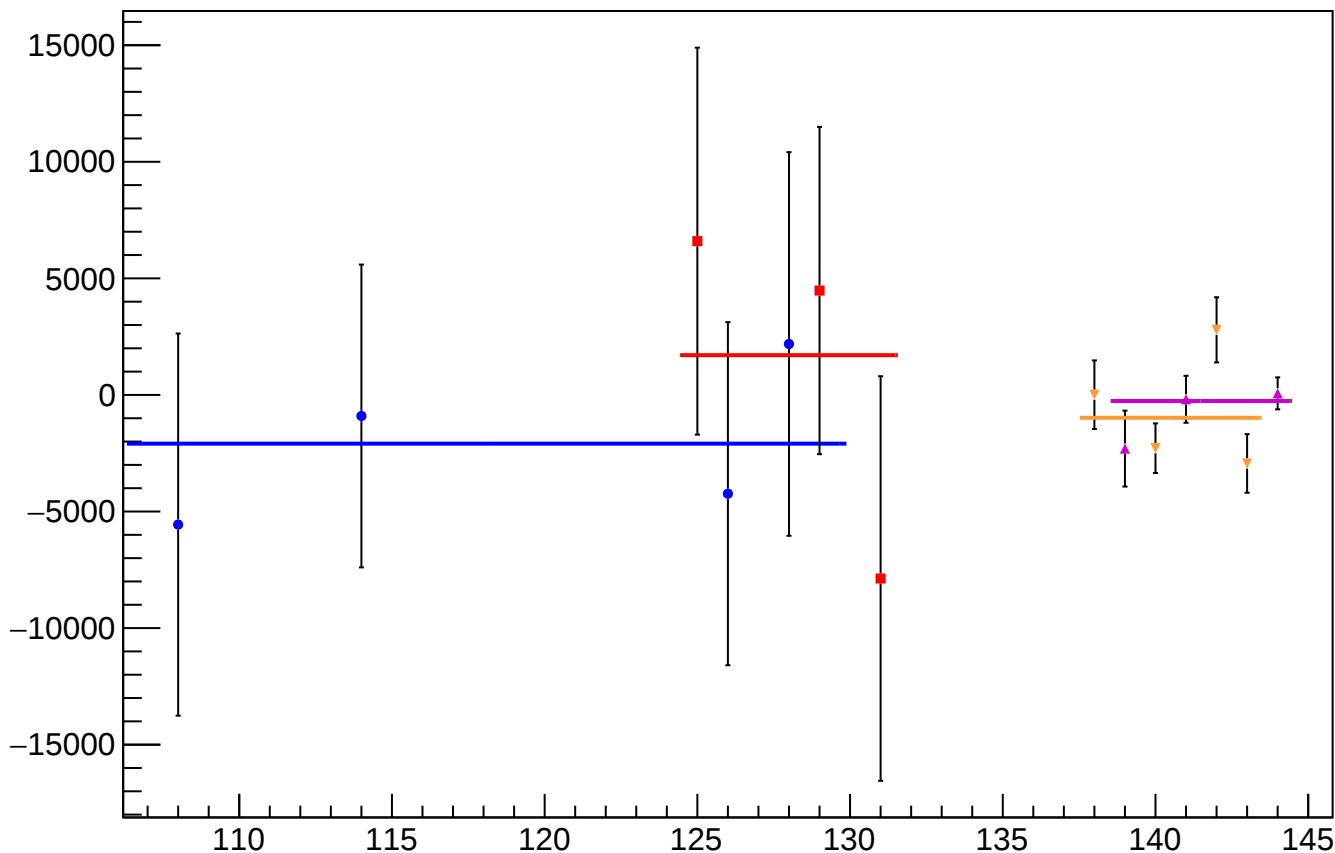
Left In: 105.916+/-0.050 χ^2/NDF : 241051.0/2

+ sign 109.243+/-0.026 χ^2/NDF : 922788.5/20

All: 108.490+/-0.019 χ^2/NDF : 2084752.8/42

- sign 107.759+/-0.026 χ^2/NDF : 1160370.4/21

asym_sam3_correction_mean vs Slug



Right In: -2089.367+/-3731.168 χ^2/NDF : 0.6/3

Left Out: -980.479+/-633.448 χ^2/NDF : 11.7/3

Right Out: 1705.730+/-4559.420 χ^2/NDF : 1.7/2

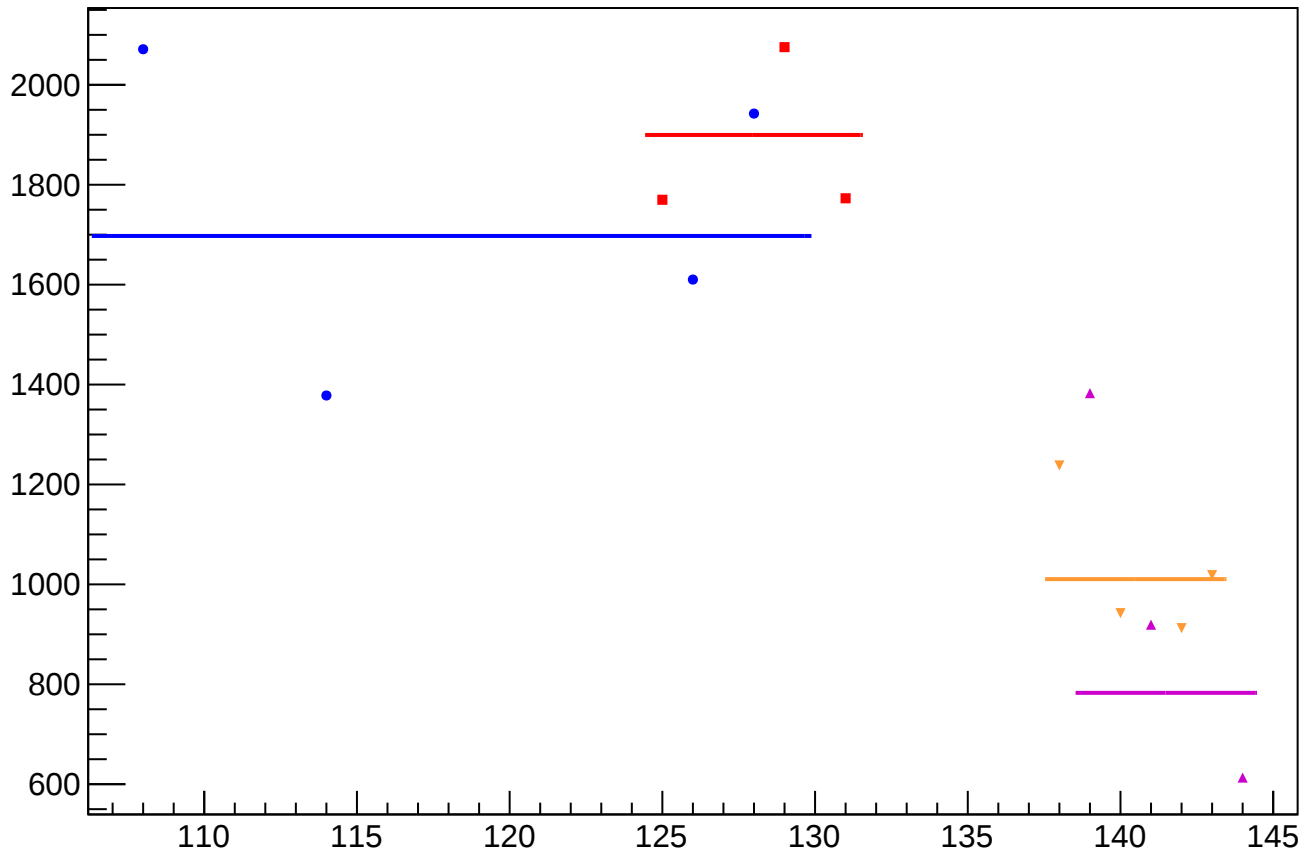
Left In: -259.816+/-535.268 χ^2/NDF : 1.8/2

+ sign -1011.545+/-624.512 χ^2/NDF : 12.3/7

All: -560.172+/-404.810 χ^2/NDF : 16.9/13

- sign -233.094+/-531.617 χ^2/NDF : 3.7/5

asym_sam3_correction_rms vs Slug



Right In: 1697.477+/-2.638 χ^2/NDF : 11050.0/3

Left Out: 1010.490+/-0.448 χ^2/NDF : 66094.6/3

Right Out: 1899.639+/-3.224 χ^2/NDF : 2170.1/2

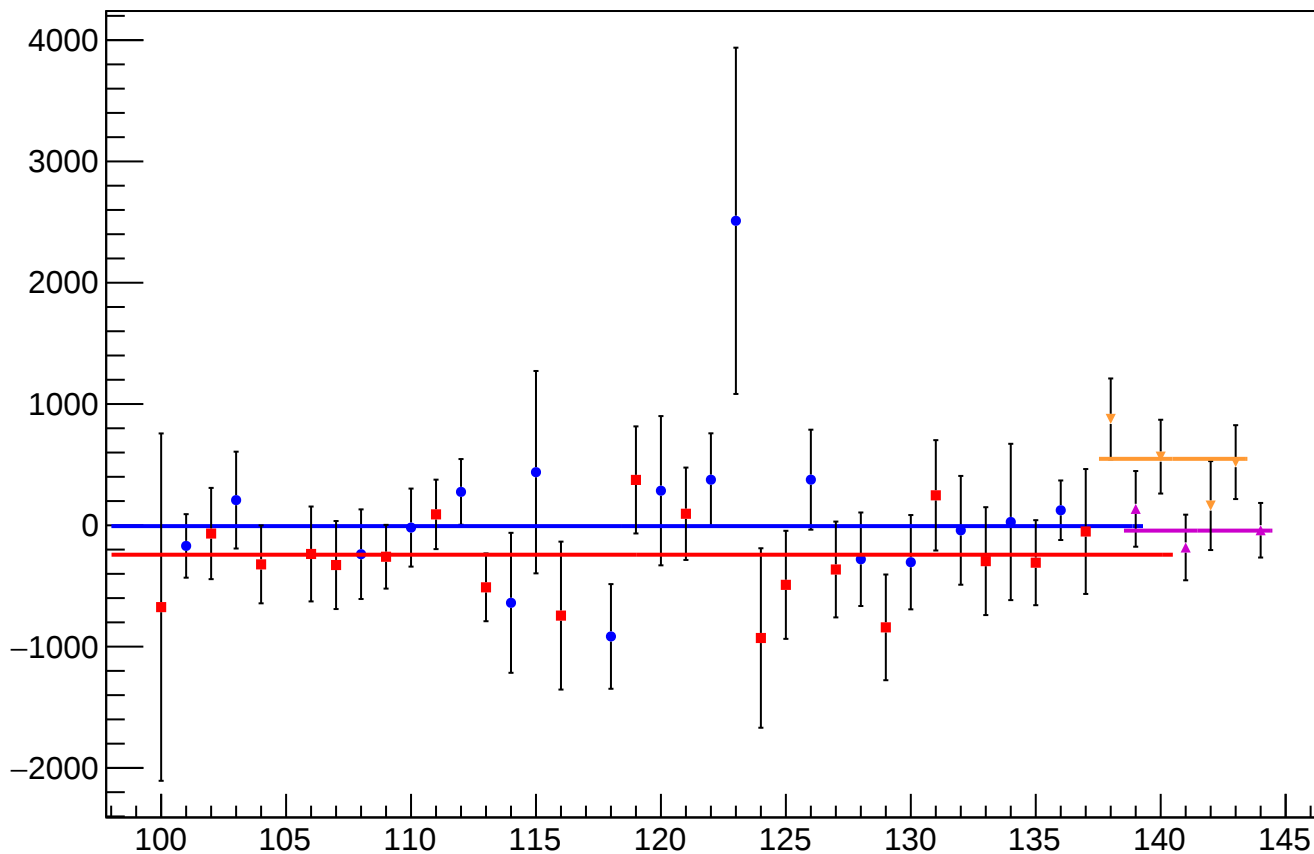
Left In: 782.875+/-0.378 χ^2/NDF : 430500.8/2

+ sign 1029.736+/-0.442 χ^2/NDF : 143046.3/7

All: 895.401+/-0.286 χ^2/NDF : 853668.8/13

- sign 798.058+/-0.376 χ^2/NDF : 551026.4/5

reg_asym_sam4_mean vs Slug



Right In: -6.497 ± 93.462 χ^2/NDF : 14.7/16

Left Out: 548.107 ± 162.160 χ^2/NDF : 2.1/3

Right Out: -242.246 ± 89.108 χ^2/NDF : 10.6/18

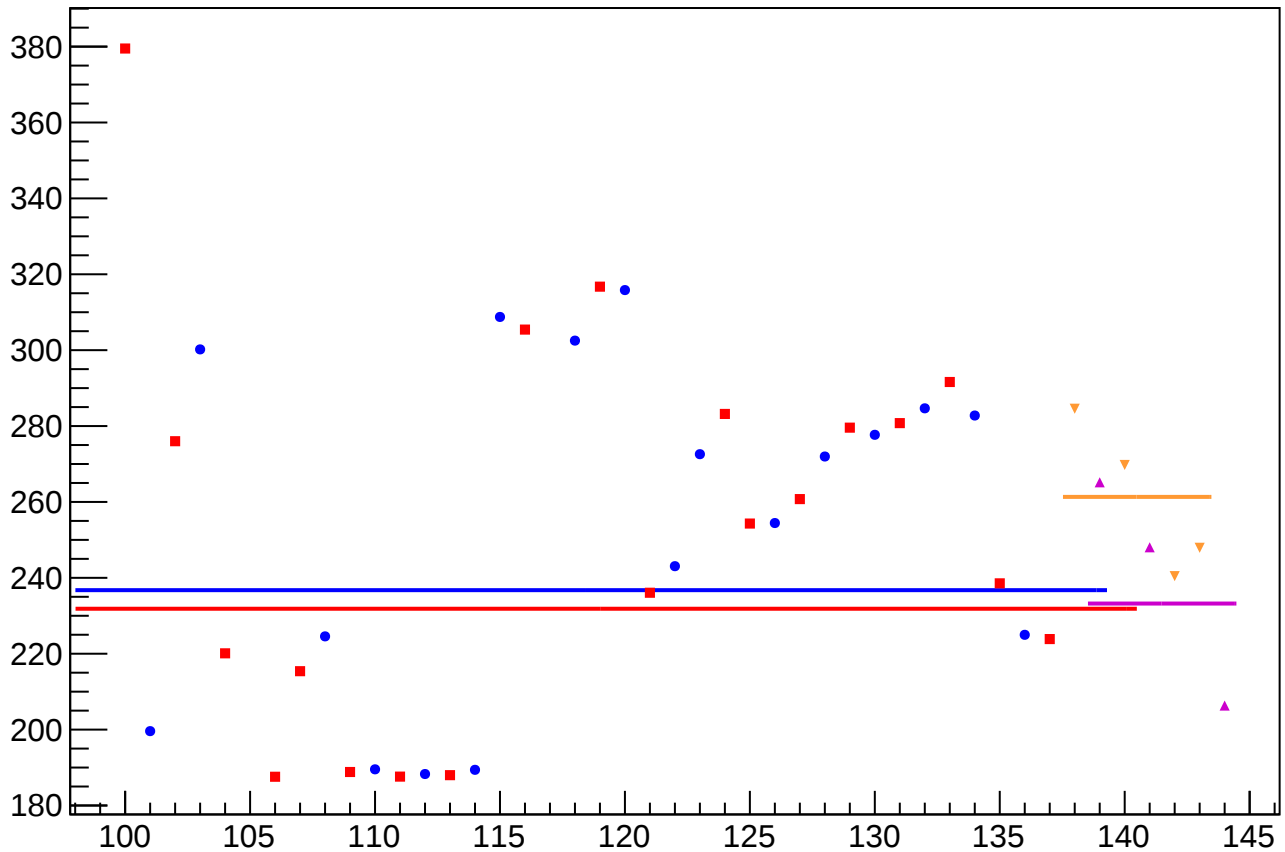
Left In: -43.571 ± 151.287 χ^2/NDF : 0.6/2

+ sign 131.796 ± 80.975 χ^2/NDF : 25.5/20

All: -38.221 ± 55.715 χ^2/NDF : 46.4/42

- sign -191.074 ± 76.779 χ^2/NDF : 12.5/21

reg_asym_sam4_rms vs Slug



Right In: 236.750 $\pm$ 0.066 χ^2 /NDF: 390018.3/16

Left Out: 261.332 $\pm$ 0.115 χ^2 /NDF:21619.2/3

Right Out: 231.853 $\pm$ 0.063 χ^2 /NDF: 445120.6/18

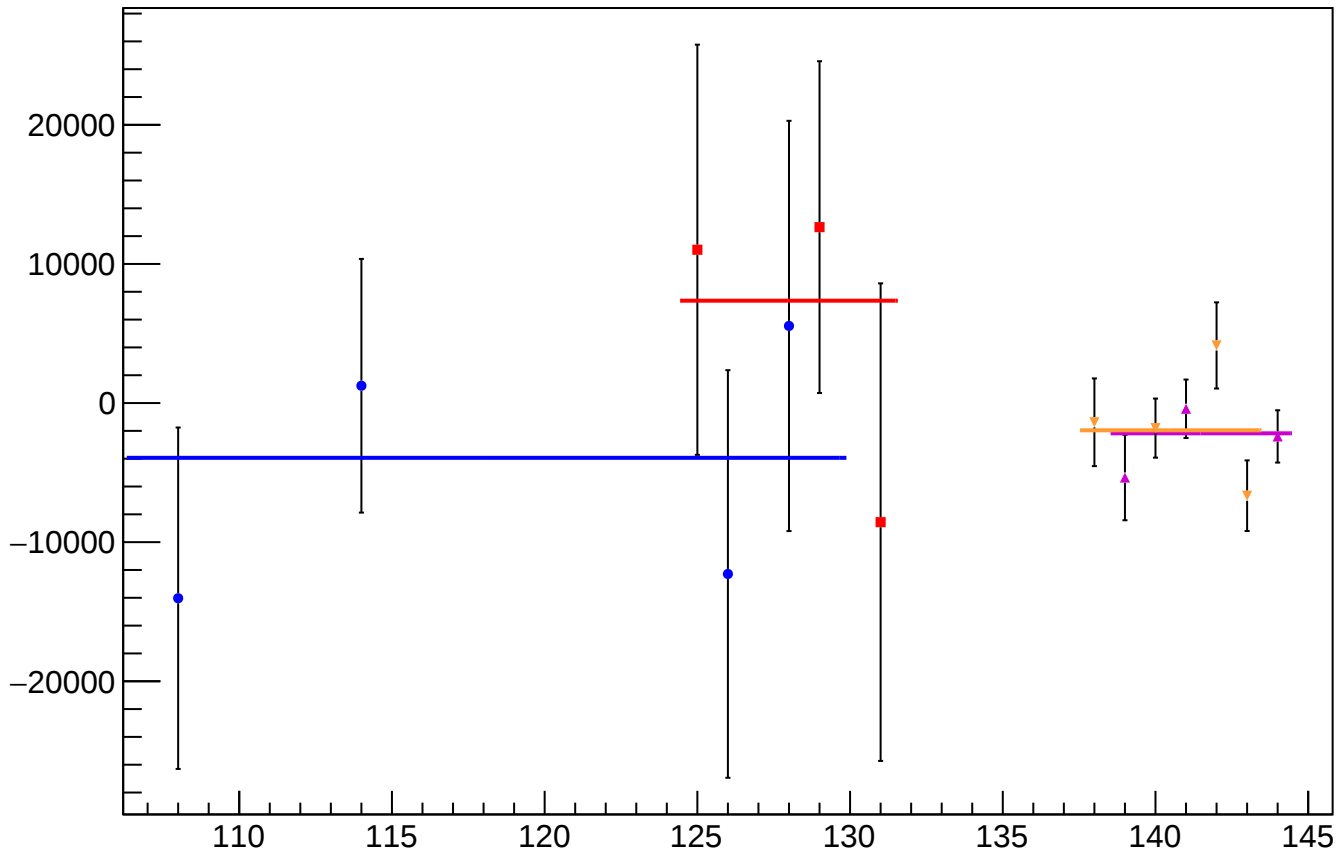
Left In: 233.223 $\pm$ 0.107 χ^2 /NDF:55540.5/2

+ sign 242.879 $\pm$ 0.057 χ^2 /NDF: 446138.4/20

All: 237.259 $\pm$ 0.039 χ^2 /NDF: 965218.0/42

- sign 232.206 $\pm$ 0.054 χ^2 /NDF: 500782.8/21

asym_sam4_correction_mean vs Slug



Right In: -3937.127 ± 5984.477 χ^2/NDF : 1.7/3

Left Out: -1959.222 ± 1311.030 χ^2/NDF : 7.4/3

Right Out: 7358.957 ± 8158.706 χ^2/NDF : 1.1/2

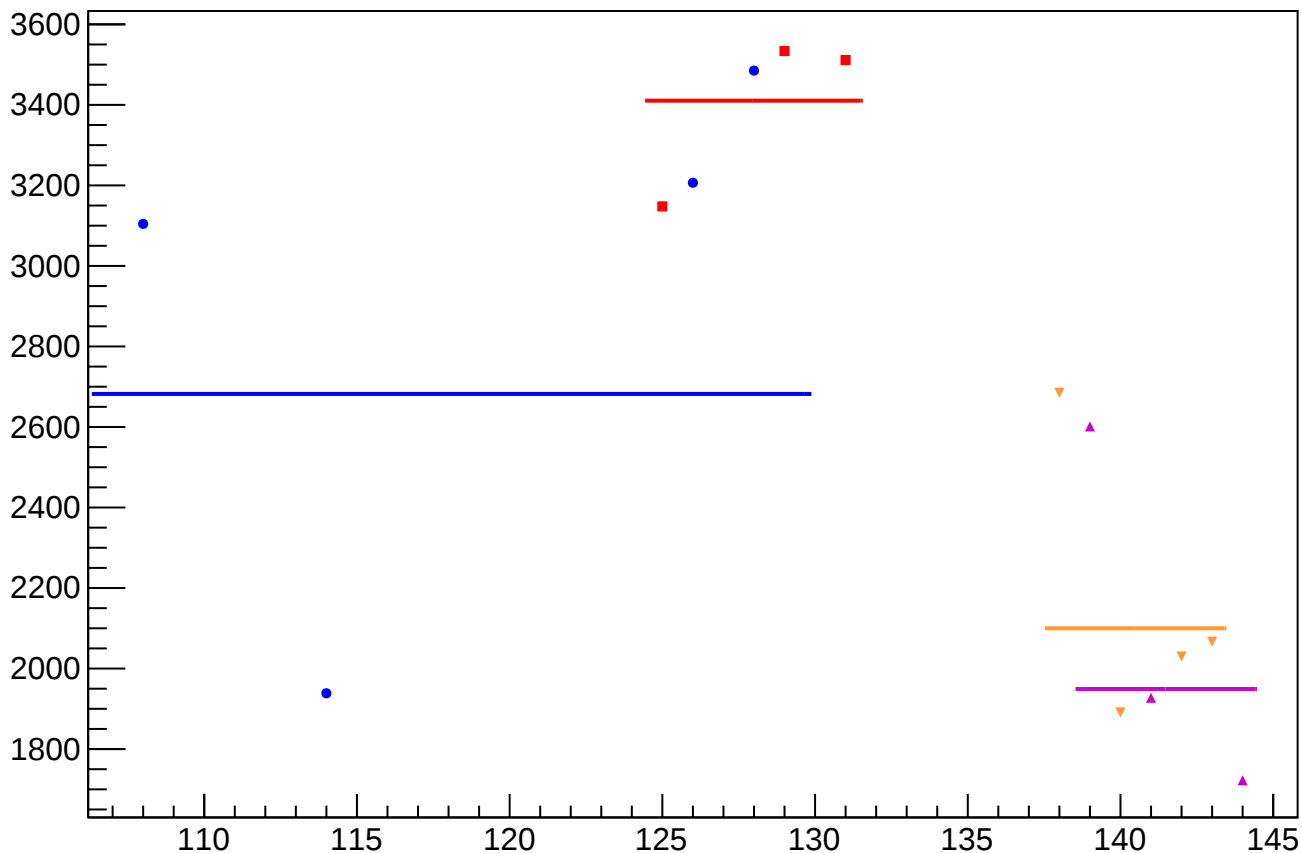
Left In: -2176.123 ± 1274.792 χ^2/NDF : 1.8/2

+ sign -2049.800 ± 1280.659 χ^2/NDF : 9.2/7

All: -1998.501 ± 897.992 χ^2/NDF : 13.4/13

- sign -1948.883 ± 1259.510 χ^2/NDF : 4.2/5

asym_sam4_correction_rms vs Slug



Right In: 2682.064 $\pm$ 4.232 χ^2 /NDF: 24157.5/3

Left Out: 2100.015 $\pm$ 0.927 χ^2 /NDF: 89602.1/3

Right Out: 3410.484 $\pm$ 5.769 χ^2 /NDF: 916.8/2

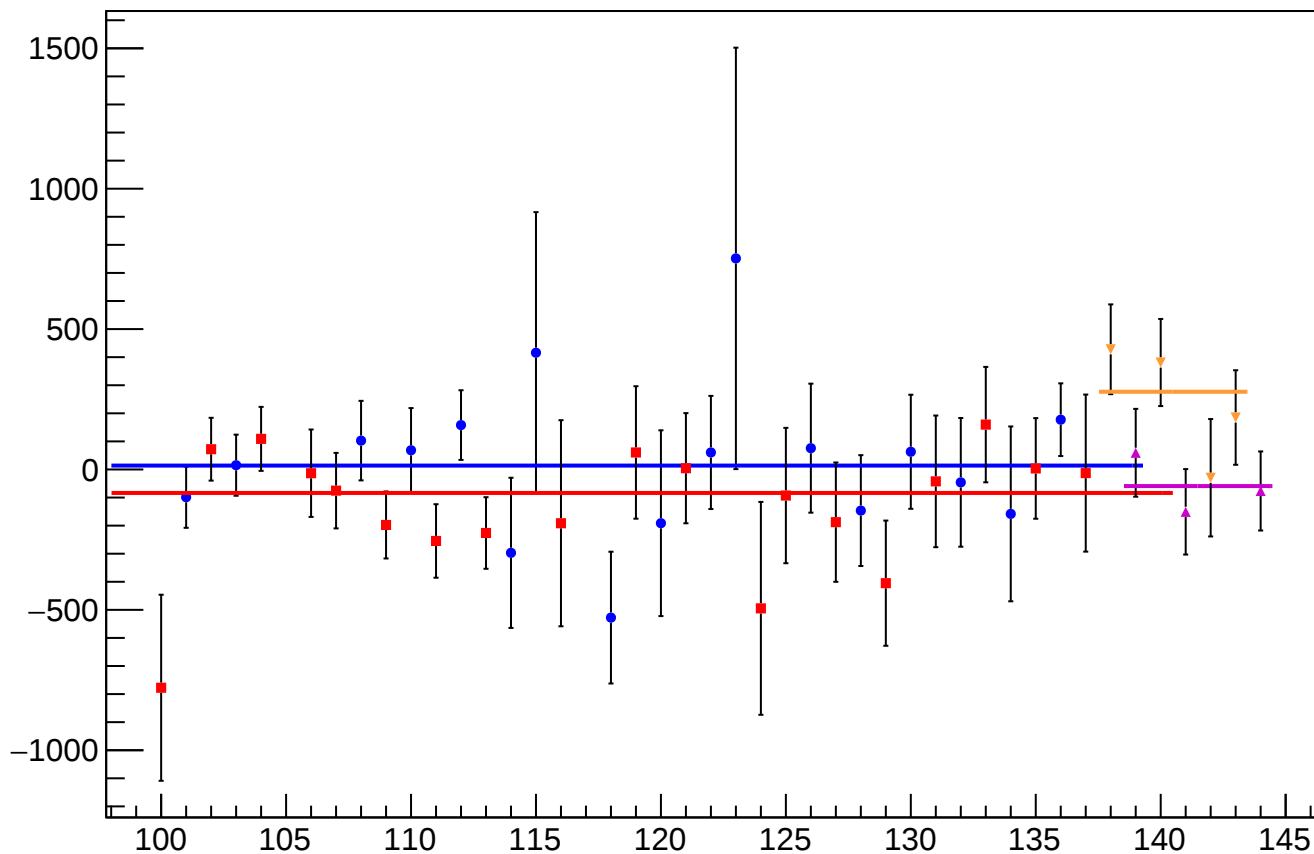
Left In: 1949.329 $\pm$ 0.901 χ^2 /NDF: 119475.6/2

+ sign 2126.669 $\pm$ 0.906 χ^2 /NDF: 131812.3/7

All: 2054.224 $\pm$ 0.635 χ^2 /NDF: 327414.2/13

- sign 1984.151 $\pm$ 0.891 χ^2 /NDF: 183011.3/5

reg_asym_sam5_mean vs Slug



Right In: 13.853+/-42.364 χ^2/NDF : 14.4/16

Left Out: 276.839+/-84.874 χ^2/NDF : 3.8/3

Right Out: -83.643+/-39.037 χ^2/NDF : 19.2/18

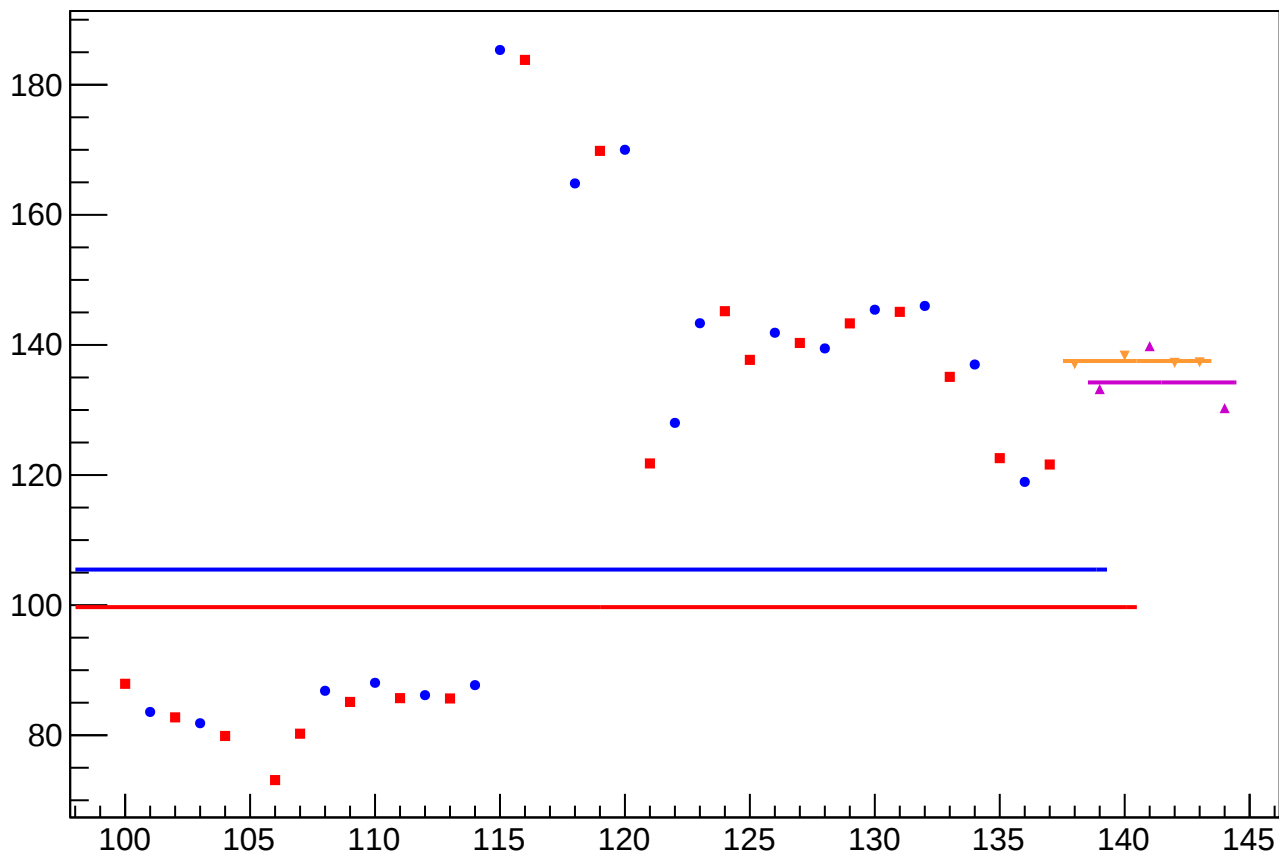
Left In: -59.112+/-86.232 χ^2/NDF : 1.0/2

+ sign 66.305+/-37.904 χ^2/NDF : 25.9/20

All: -11.225+/-25.935 χ^2/NDF : 53.9/42

- sign -79.471+/-35.563 χ^2/NDF : 20.2/21

reg_asym_sam5_rms vs Slug



Right In: 105.470 $\pm$ 0.030 χ^2 /NDF: 870293.2/16

Left Out: 137.535 $\pm$ 0.060 χ^2 /NDF:82.3/3

Right Out: 99.695 $\pm$ 0.028 χ^2 /NDF: 1000657.3/18

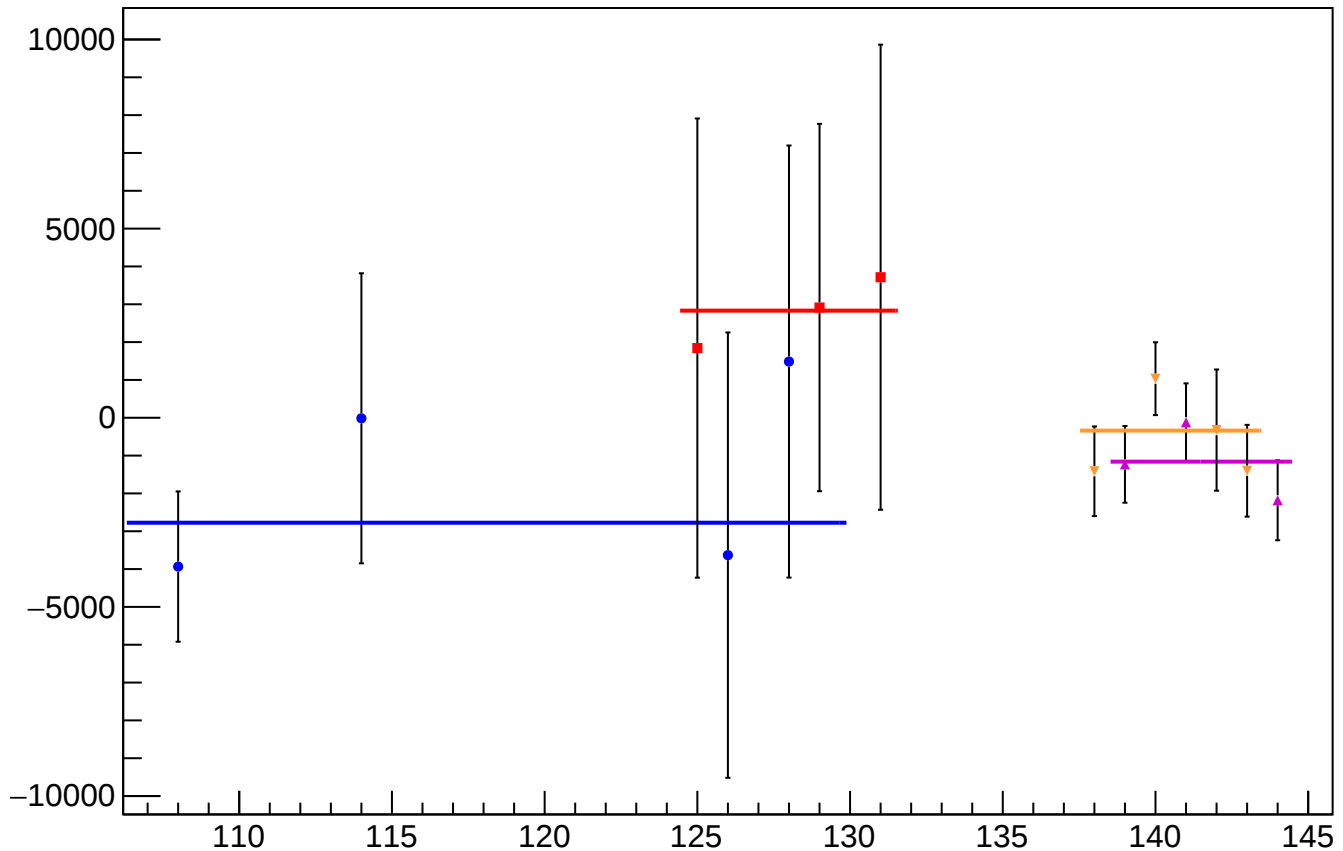
Left In: 134.237 $\pm$ 0.061 χ^2 /NDF:4345.4/2

+ sign 111.866 $\pm$ 0.027 χ^2 /NDF: 1098901.3/20

All: 108.517 $\pm$ 0.018 χ^2 /NDF: 2399595.4/42

- sign 105.569 $\pm$ 0.025 χ^2 /NDF: 1271346.5/21

asym_sam5_correction_mean vs Slug



Right In: -2774.520 ± 1620.377 $\chi^2/\text{NDF}: 1.4/3$

Left Out: -339.711 ± 591.394 $\chi^2/\text{NDF}: 3.6/3$

Right Out: 2831.759 ± 3227.072 $\chi^2/\text{NDF}: 0.0/2$

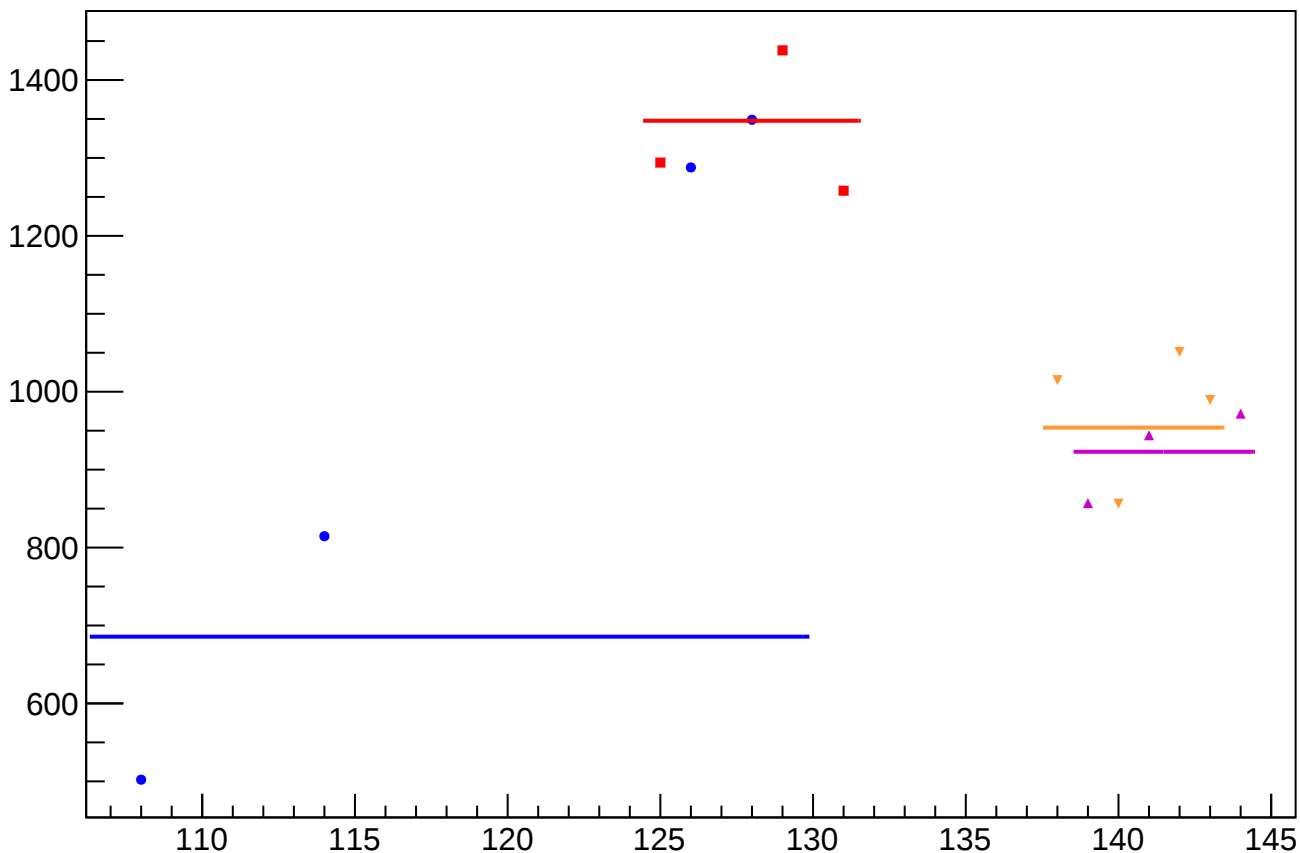
Left In: -1160.282 ± 596.100 $\chi^2/\text{NDF}: 2.0/2$

+ sign -625.916 ± 555.549 $\chi^2/\text{NDF}: 7.0/7$

All: -816.444 ± 403.228 $\chi^2/\text{NDF}: 10.8/13$

- sign -1028.564 ± 586.183 $\chi^2/\text{NDF}: 3.5/5$

asym_sam5_correction_rms vs Slug



Right In: 685.658+/-1.146 χ^2/NDF : 67240.3/3

Left Out: 953.936+/-0.418 χ^2/NDF : 34903.8/3

Right Out: 1347.722+/-2.282 χ^2/NDF : 1275.5/2

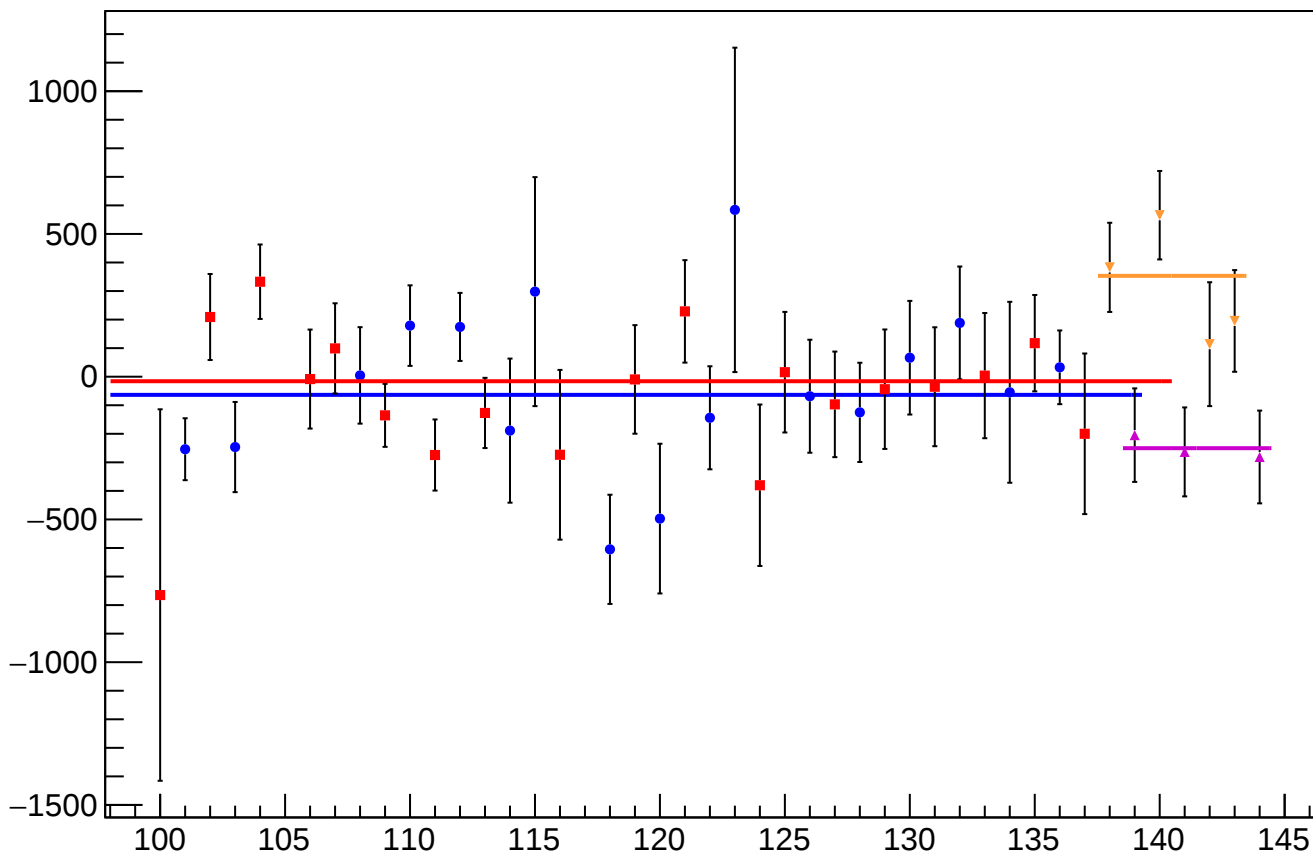
Left In: 922.938+/-0.422 χ^2/NDF : 13574.7/2

+ sign 922.401+/-0.393 χ^2/NDF : 150523.6/7

All: 929.287+/-0.285 χ^2/NDF : 199533.4/13

- sign 936.954+/-0.414 χ^2/NDF : 48360.3/5

reg_asym_sam6_mean vs Slug



Right In: -63.627 ± 42.336 χ^2/NDF : 27.6/16

Left Out: 353.226 ± 85.932 χ^2/NDF : 3.9/3

Right Out: -15.859 ± 39.532 χ^2/NDF : 23.1/18

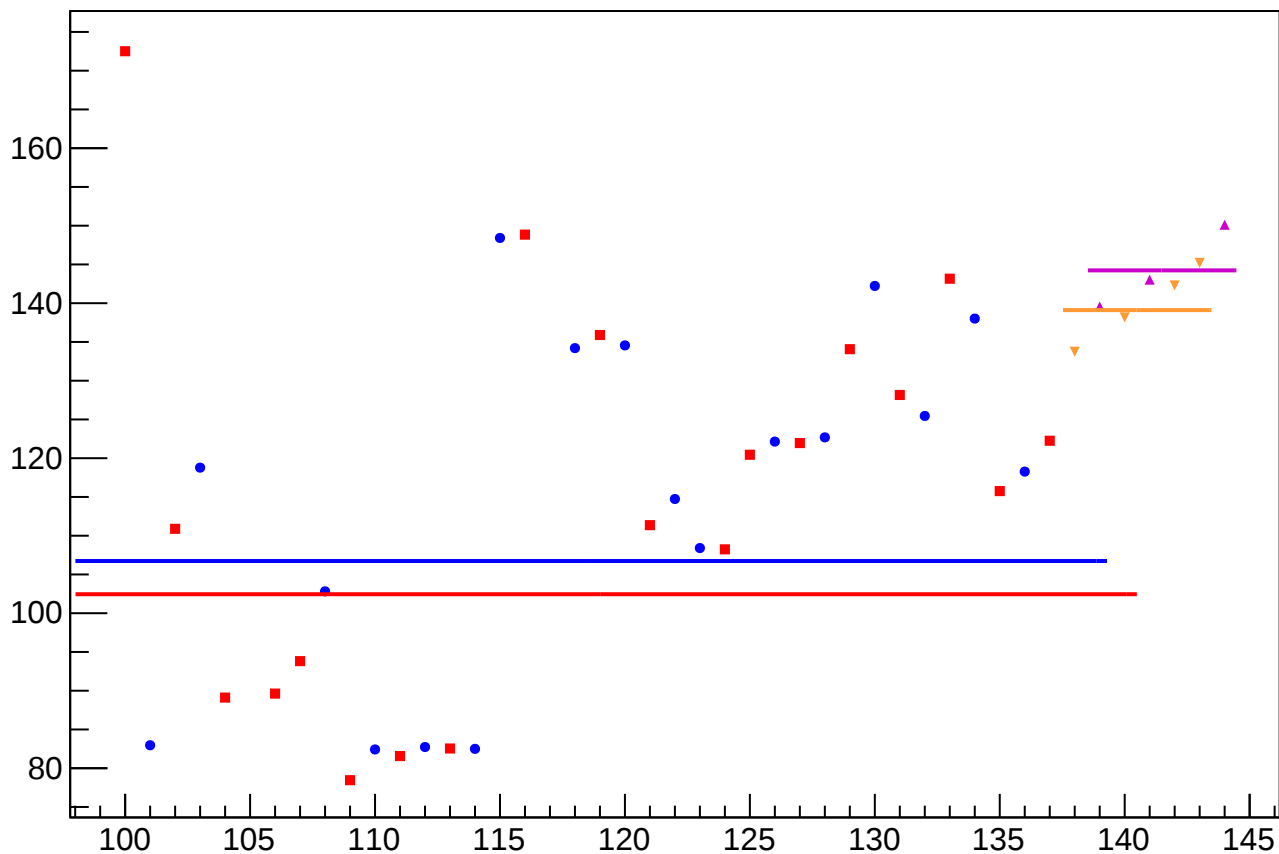
Left In: -250.396 ± 92.707 χ^2/NDF : 0.1/2

+ sign 17.791 ± 37.977 χ^2/NDF : 50.4/20

All: -18.589 ± 26.265 χ^2/NDF : 80.8/42

- sign -51.944 ± 36.364 χ^2/NDF : 28.6/21

reg_asym_sam6_rms vs Slug



Right In: 106.733 $\pm$ 0.030 χ^2 /NDF: 503149.3/16

Left Out: 139.109 $\pm$ 0.061 χ^2 /NDF: 5205.6/3

Right Out: 102.452 $\pm$ 0.028 χ^2 /NDF: 591027.5/18

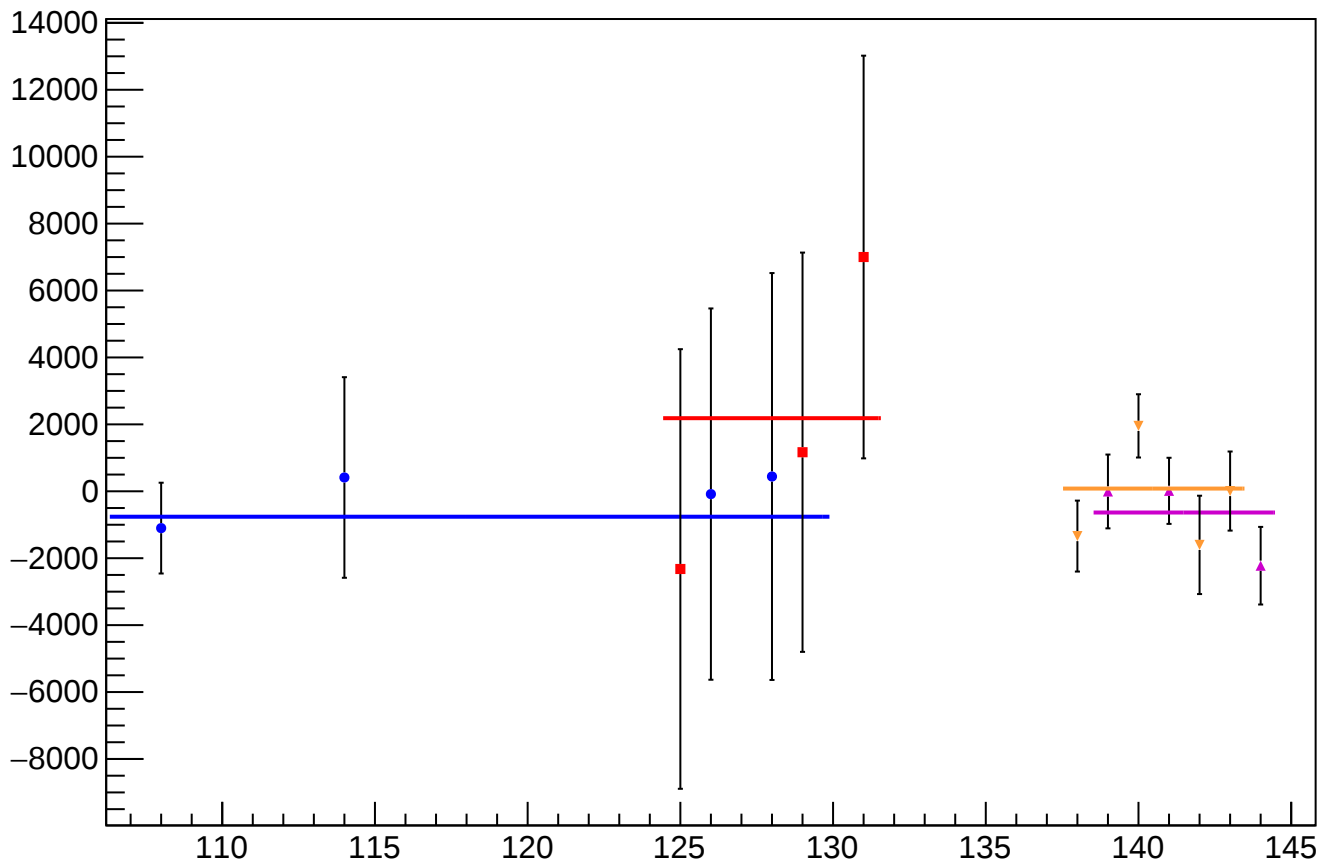
Left In: 144.237 $\pm$ 0.066 χ^2 /NDF: 4369.5/2

+ sign 113.057 $\pm$ 0.027 χ^2 /NDF: 736795.5/20

All: 110.878 $\pm$ 0.019 χ^2 /NDF: 1688607.0/42

- sign 108.881 $\pm$ 0.026 χ^2 /NDF: 939193.6/21

asym_sam6_correction_mean vs Slug



Right In: -760.095 $\pm$ 1183.340 χ^2/NDF : 0.3/3

Left Out: 81.235 $\pm$ 560.141 χ^2/NDF : 7.0/3

Right Out: 2184.893 $\pm$ 3560.609 χ^2/NDF : 1.1/2

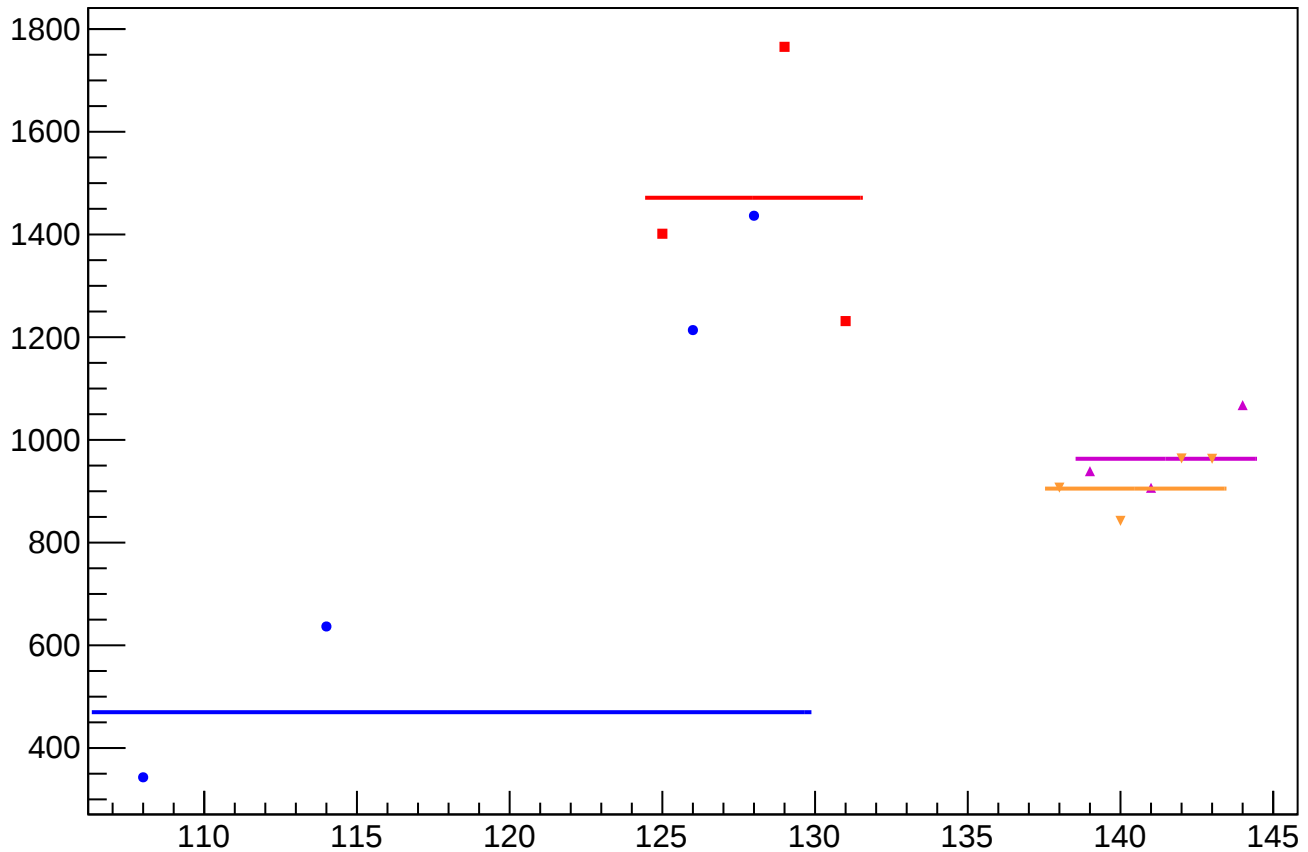
Left In: -634.456 $\pm$ 621.352 χ^2/NDF : 2.6/2

+ sign -72.771 $\pm$ 506.285 χ^2/NDF : 7.7/7

All: -267.094 $\pm$ 390.127 χ^2/NDF : 12.5/13

- sign -551.136 $\pm$ 612.101 χ^2/NDF : 4.4/5

asym_sam6_correction_rms vs Slug



Right In: 469.775+/-0.837 χ^2/NDF : 110192.0/3

Left Out: 905.190+/-0.396 χ^2/NDF : 16851.0/3

Right Out: 1471.512+/-2.518 χ^2/NDF : 8264.7/2

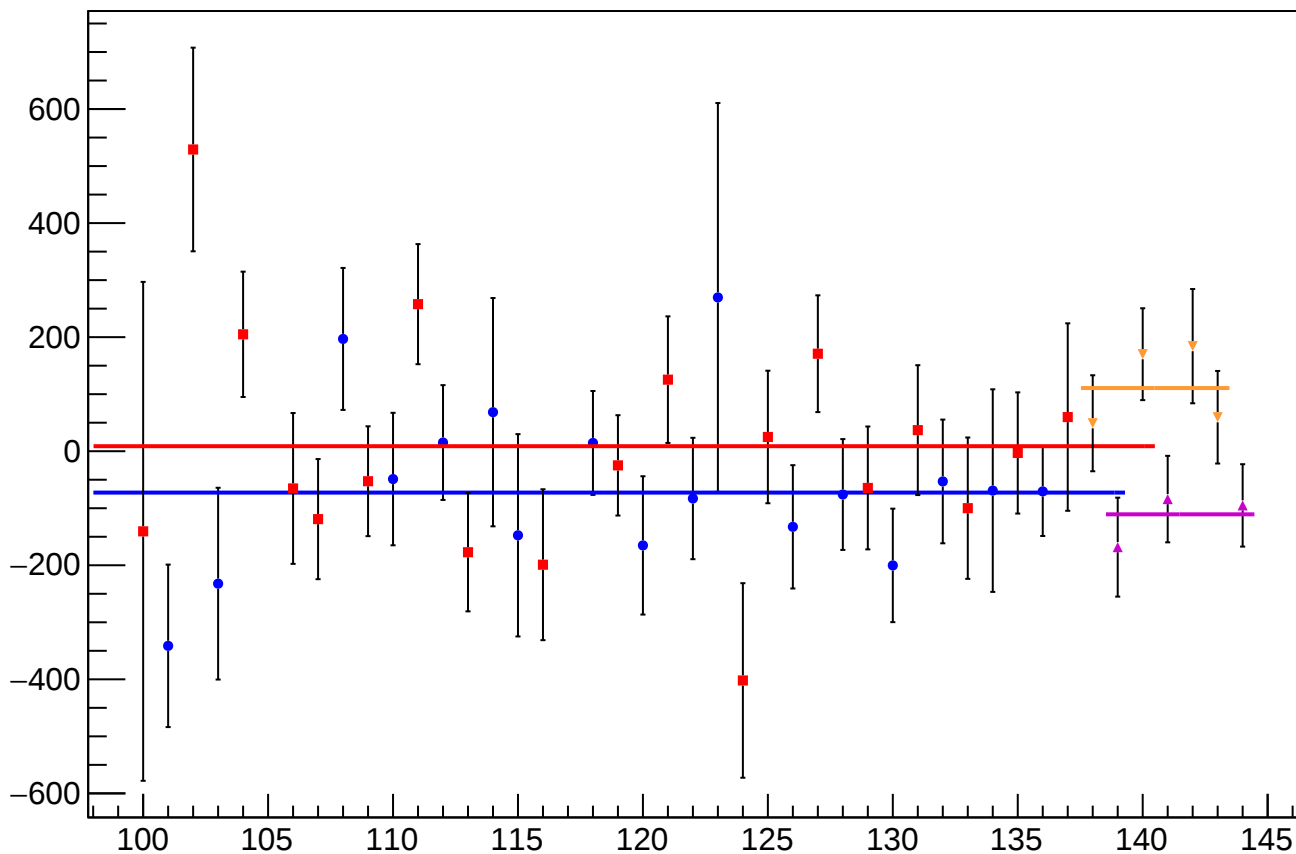
Left In: 963.247+/-0.439 χ^2/NDF : 23726.9/2

+ sign 825.487+/-0.358 χ^2/NDF : 348257.3/7

All: 887.550+/-0.276 χ^2/NDF : 493781.9/13

- sign 978.267+/-0.433 χ^2/NDF : 71540.4/5

reg_asym_sam7_mean vs Slug



Right In: -72.547 ± 28.434 χ^2/NDF : 15.1/16

Left Out: 110.745 ± 42.765 χ^2/NDF : 2.0/3

Right Out: 8.790 ± 26.889 χ^2/NDF : 36.2/18

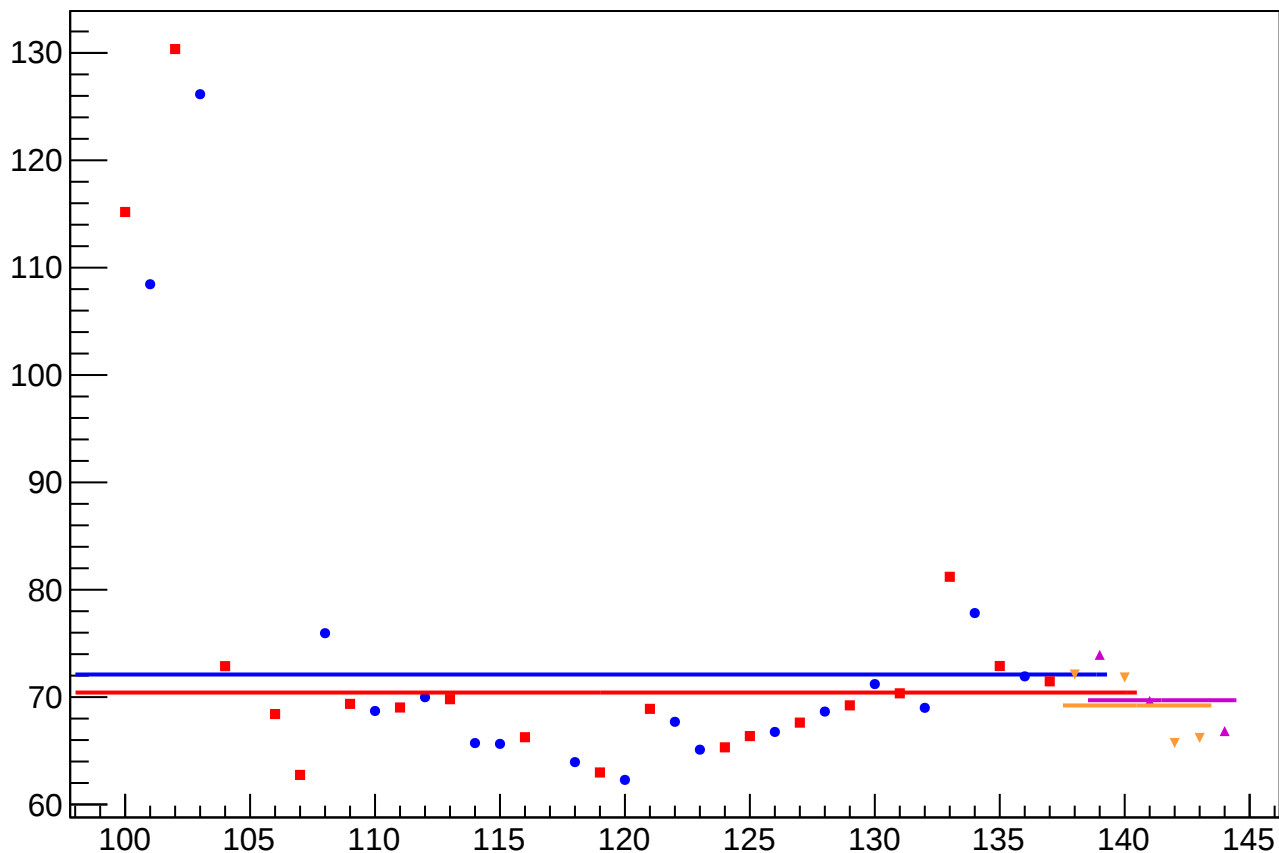
Left In: -110.669 ± 44.797 χ^2/NDF : 0.6/2

+ sign -16.357 ± 23.678 χ^2/NDF : 29.9/20

All: -19.690 ± 16.518 χ^2/NDF : 72.0/42

- sign -22.850 ± 23.055 χ^2/NDF : 42.1/21

reg_asym_sam7_rms vs Slug



Right In: 72.106 $\pm$ 0.020 χ^2 /NDF: 390789.8/16

Left Out: 69.224 $\pm$ 0.030 χ^2 /NDF: 9654.1/3

Right Out: 70.425 $\pm$ 0.019 χ^2 /NDF: 298038.7/18

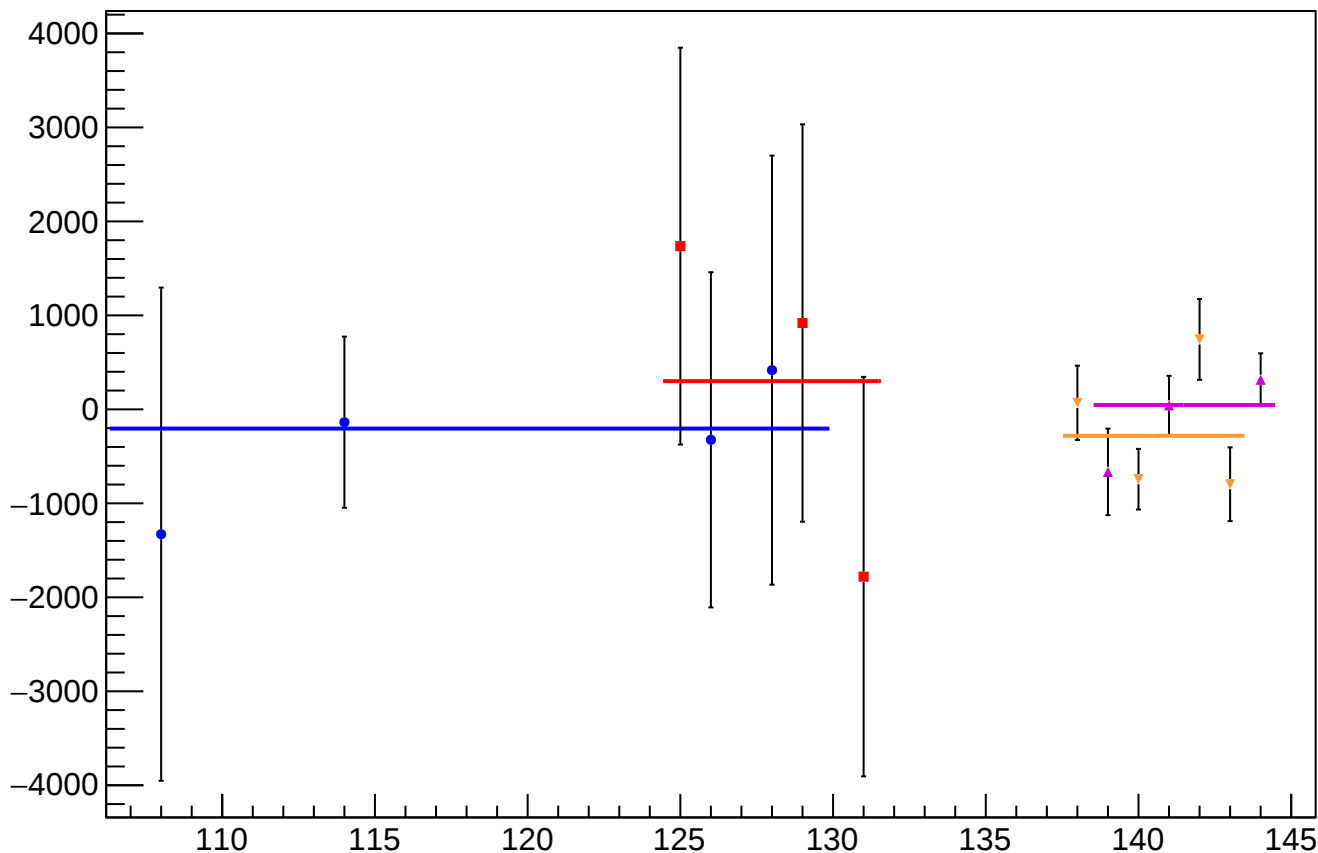
Left In: 69.709 $\pm$ 0.032 χ^2 /NDF: 7910.6/2

+ sign 71.223 $\pm$ 0.017 χ^2 /NDF: 406744.2/20

All: 70.716 $\pm$ 0.012 χ^2 /NDF: 714853.9/42

- sign 70.235 $\pm$ 0.016 χ^2 /NDF: 306324.0/21

asym_sam7_correction_mean vs Slug



Right In: -204.257+/-733.668 χ^2/NDF : 0.3/3

Left Out: -281.218+/-189.325 χ^2/NDF : 10.2/3

Right Out: 300.330+/-1222.458 χ^2/NDF : 1.5/2

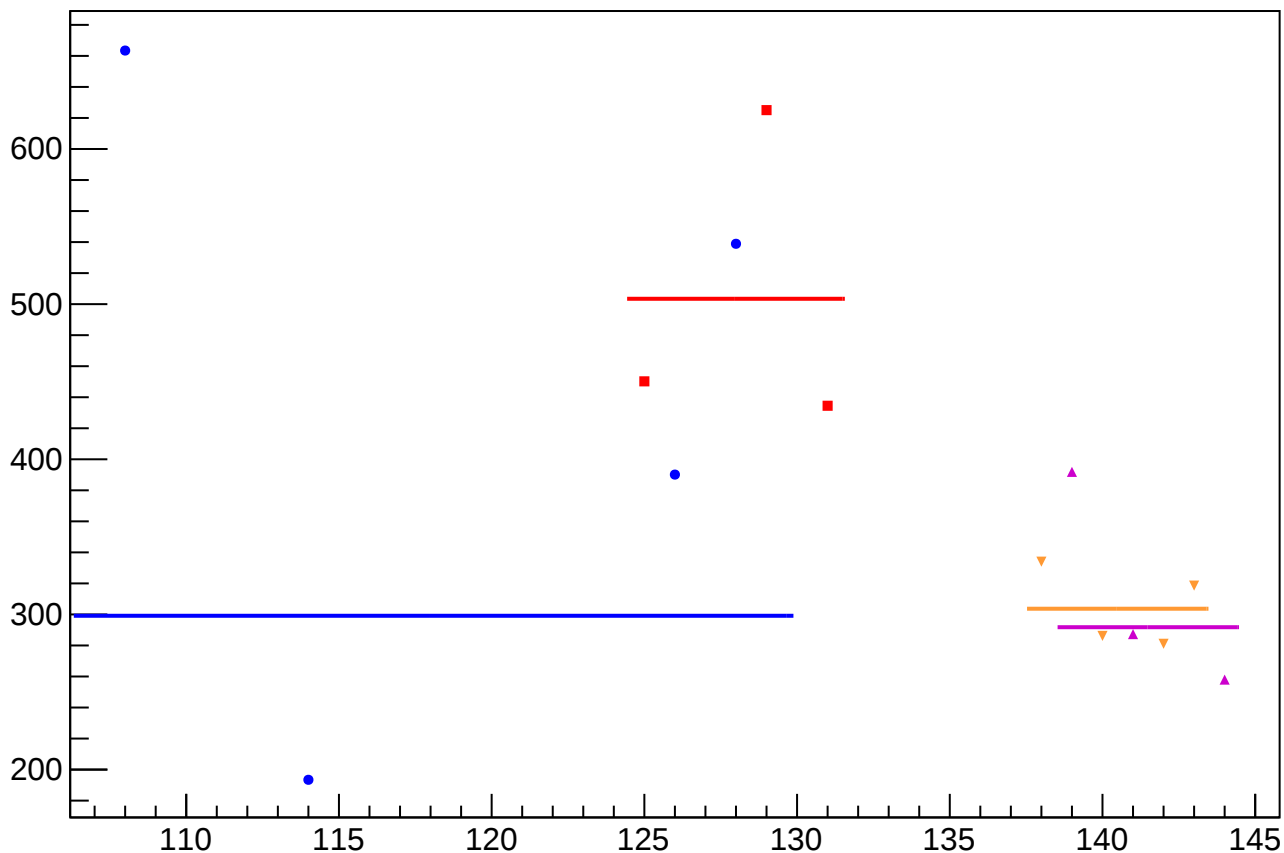
Left In: 46.475+/-190.675 χ^2/NDF : 3.3/2

+ sign -276.413+/-183.319 χ^2/NDF : 10.5/7

All: -116.447+/-131.385 χ^2/NDF : 16.9/13

- sign 52.504+/-188.397 χ^2/NDF : 4.9/5

asym_sam7_correction_rms vs Slug



Right In: 299.143 $\pm$ 0.519 χ^2/NDF : 92782.9/3

Left Out: 303.684 $\pm$ 0.134 χ^2/NDF : 26063.5/3

Right Out: 503.459 $\pm$ 0.864 χ^2/NDF : 9987.6/2

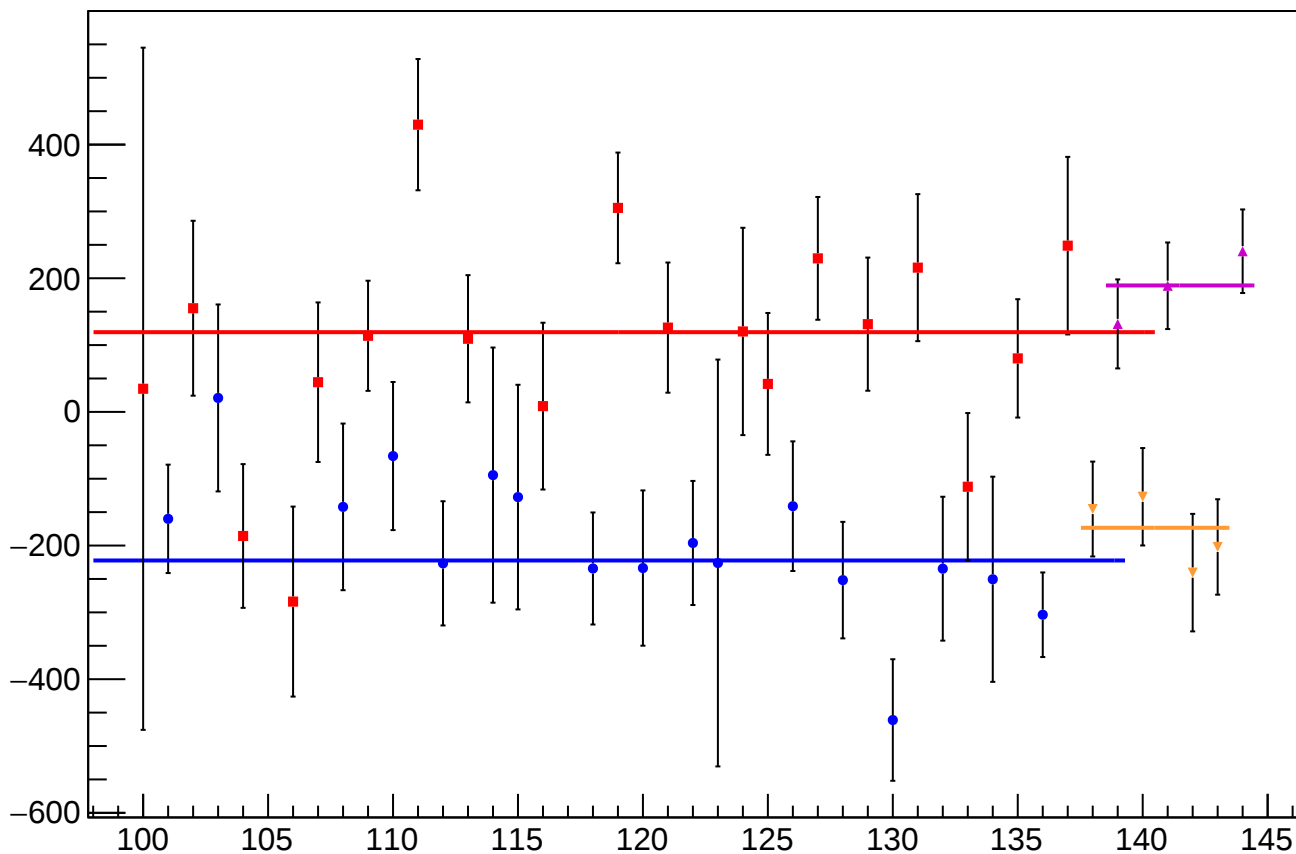
Left In: 291.772 $\pm$ 0.135 χ^2/NDF : 123973.1/2

+ sign 303.401 $\pm$ 0.130 χ^2/NDF : 118918.3/7

All: 300.190 $\pm$ 0.093 χ^2/NDF : 312688.1/13

- sign 296.800 $\pm$ 0.133 χ^2/NDF : 192508.5/5

reg_asym_sam8_mean vs Slug



Right In: -222.347 $\pm$ 24.941 χ^2 /NDF: 16.3/16

Left Out: -173.422 $\pm$ 37.473 χ^2 /NDF:1.3/3

Right Out: 119.313 $\pm$ 24.666 χ^2 /NDF: 40.7/18

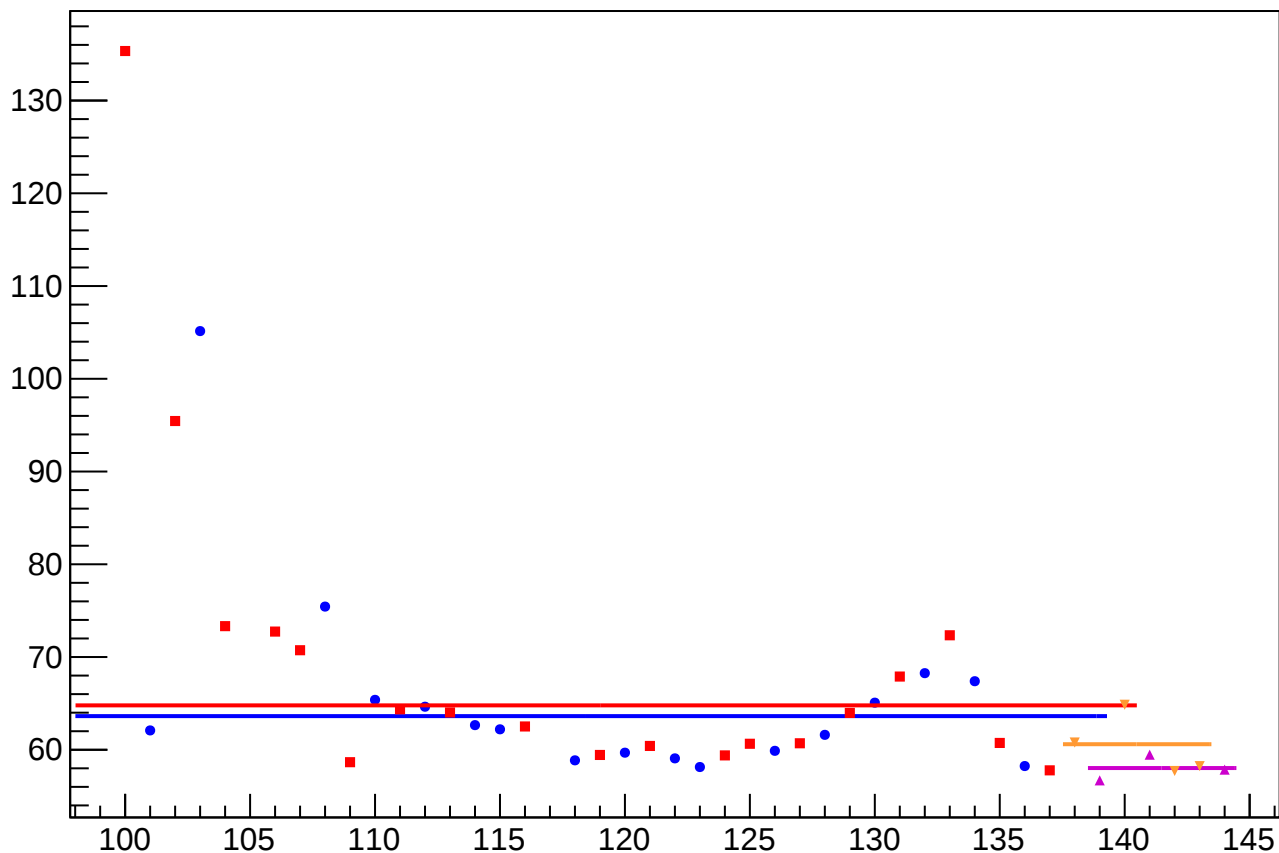
Left In: 189.238 $\pm$ 37.284 χ^2 /NDF:1.4/2

+ sign -207.328 $\pm$ 20.762 χ^2 /NDF: 18.8/20

All: -31.756 $\pm$ 14.613 χ^2 /NDF: 205.1/42

- sign 140.601 $\pm$ 20.571 χ^2 /NDF: 44.6/21

reg_asym_sam8_rms vs Slug



Right In: 63.629 $\pm$ 0.018 χ^2 /NDF: 233899.4/16

Left Out: 60.600 $\pm$ 0.026 χ^2 /NDF:11179.3/3

Right Out: 64.787 $\pm$ 0.017 χ^2 /NDF: 226379.1/18

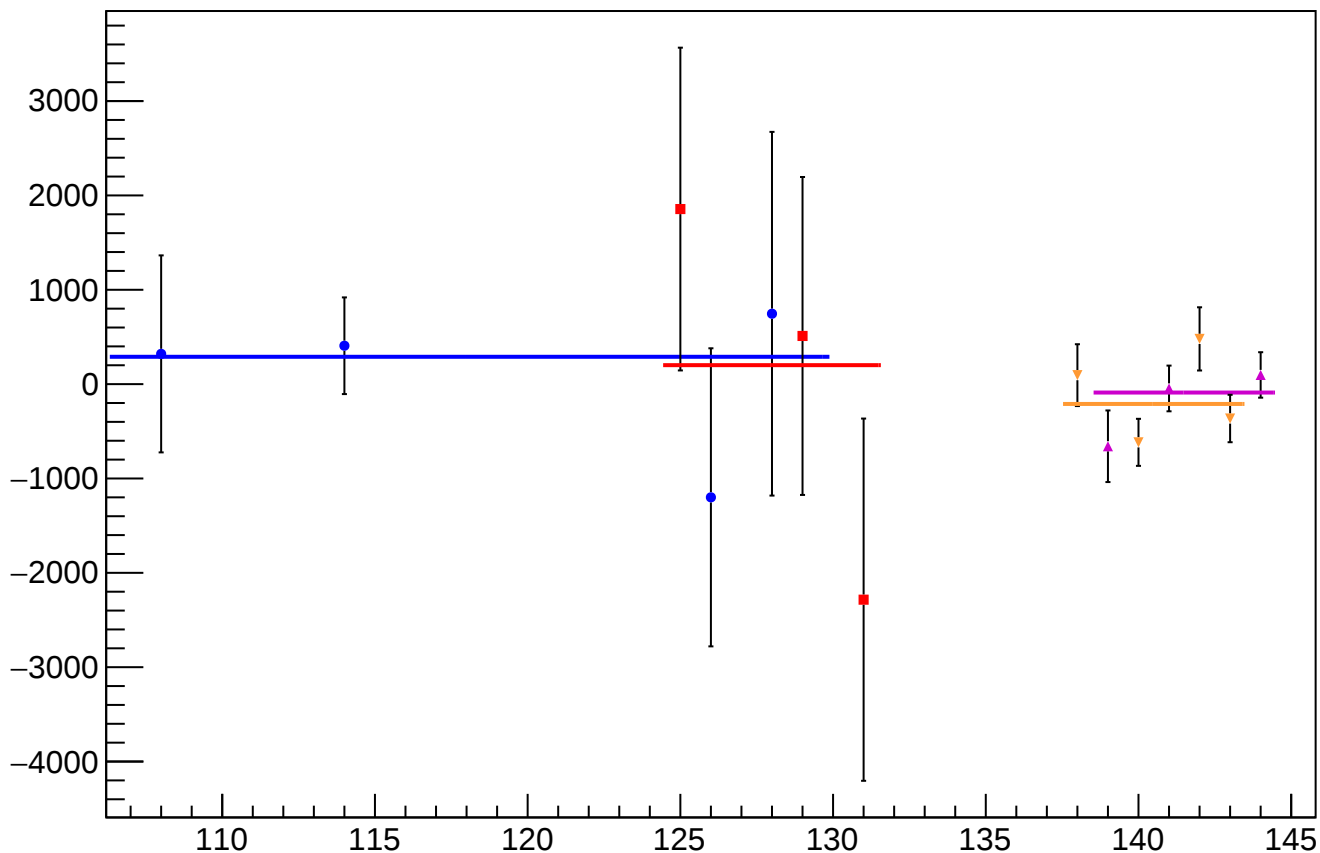
Left In: 58.030 $\pm$ 0.026 χ^2 /NDF:1798.7/2

+ sign 62.699 $\pm$ 0.015 χ^2 /NDF: 254134.0/20

All: 62.715 $\pm$ 0.010 χ^2 /NDF: 528012.5/42

- sign 62.730 $\pm$ 0.015 χ^2 /NDF: 273876.2/21

asym_sam8_correction_mean vs Slug



Right In: 289.832 ± 430.437 $\chi^2/\text{NDF}: 1.0/3$

Left Out: -210.120 ± 141.198 $\chi^2/\text{NDF}: 8.1/3$

Right Out: 201.085 ± 1017.740 $\chi^2/\text{NDF}: 2.6/2$

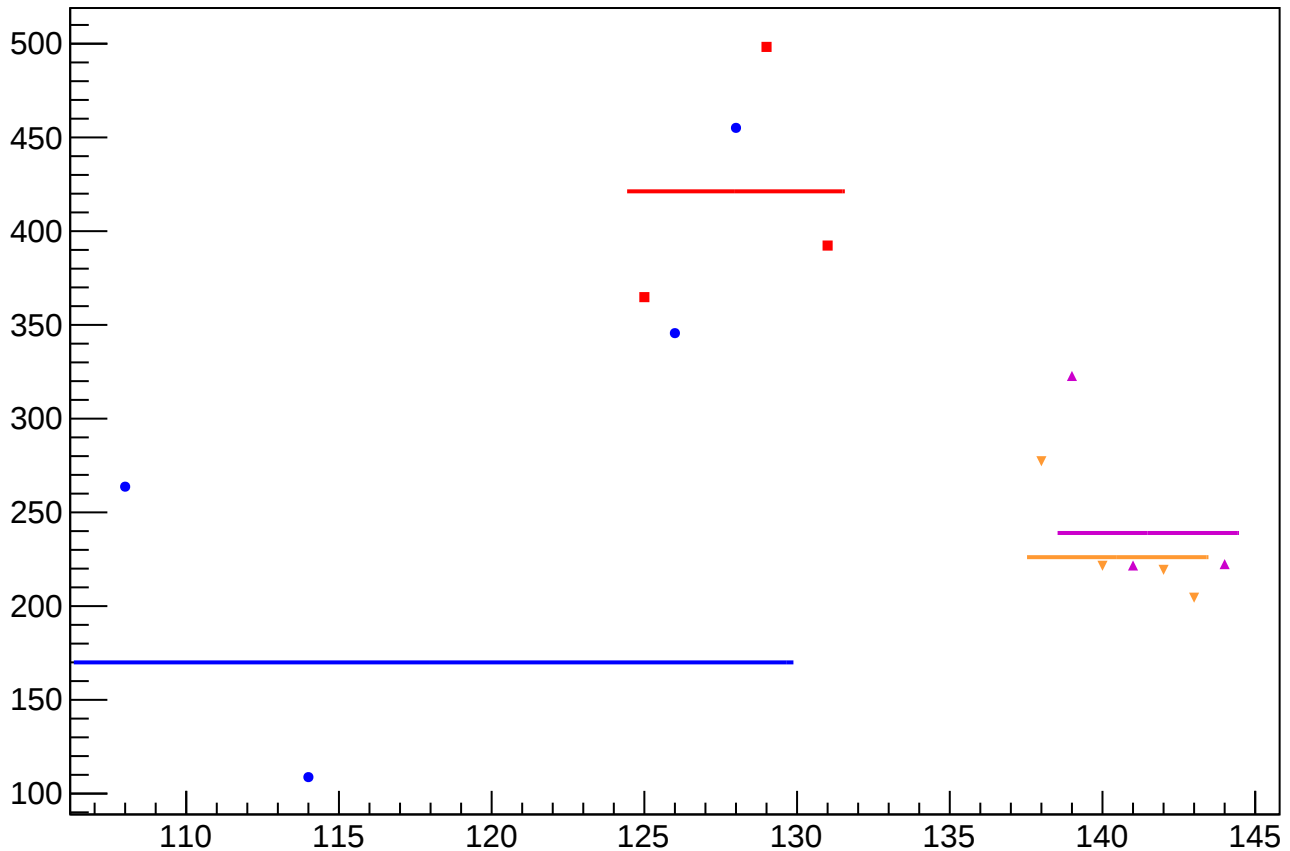
Left In: -89.156 ± 155.745 $\chi^2/\text{NDF}: 2.9/2$

+ sign -161.548 ± 134.164 $\chi^2/\text{NDF}: 10.4/7$

All: -127.434 ± 101.146 $\chi^2/\text{NDF}: 16.1/13$

- sign -82.514 ± 153.953 $\chi^2/\text{NDF}: 5.6/5$

asym_sam8_correction_rms vs Slug



Right In: 169.977 $\pm$ 0.304 χ^2 /NDF: 113149.8/3

Left Out: 226.105 $\pm$ 0.100 χ^2 /NDF: 65078.2/3

Right Out: 421.246 $\pm$ 0.720 χ^2 /NDF: 6812.8/2

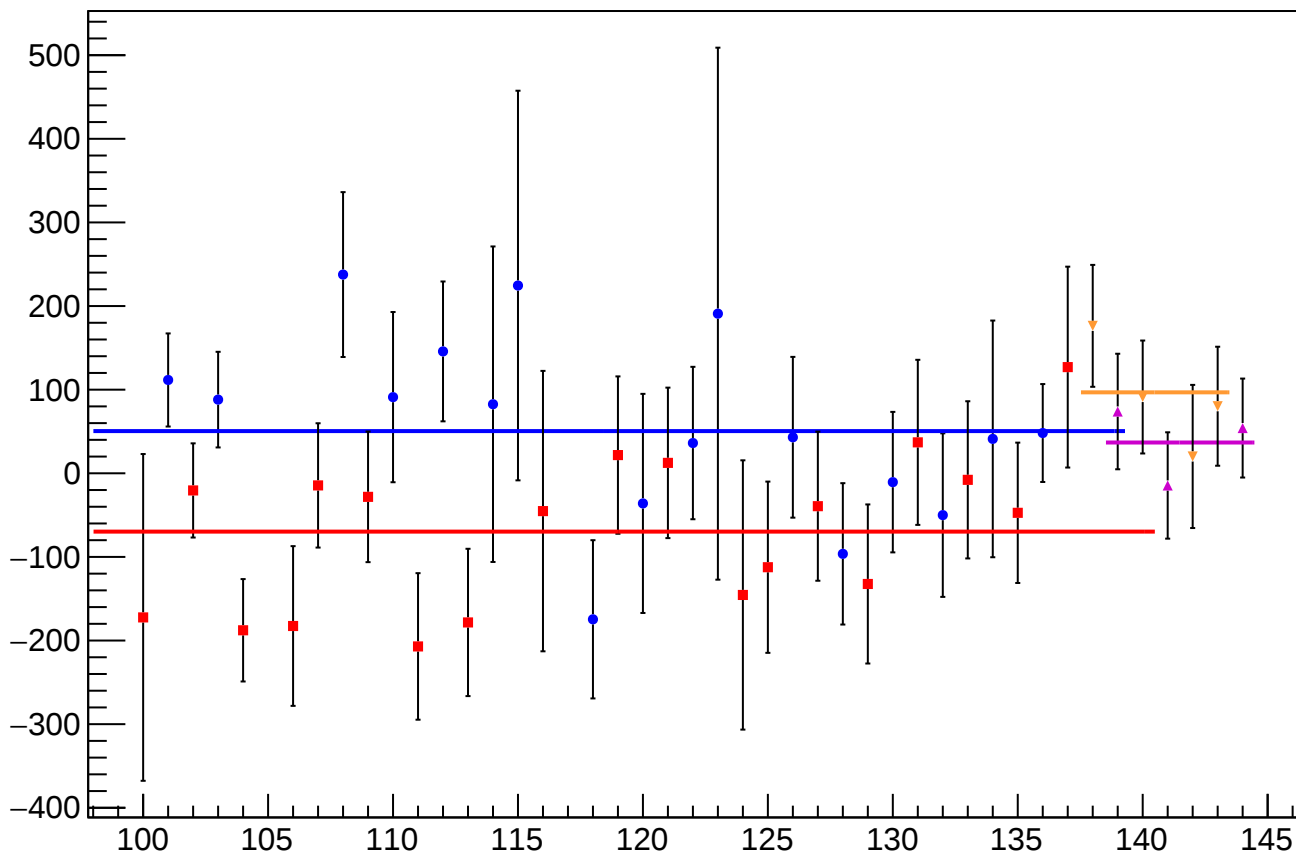
Left In: 239.009 $\pm$ 0.110 χ^2 /NDF: 117214.1/2

+ sign 220.652 $\pm$ 0.095 χ^2 /NDF: 208931.0/7

All: 230.376 $\pm$ 0.072 χ^2 /NDF: 419954.2/13

- sign 243.179 $\pm$ 0.109 χ^2 /NDF: 186684.4/5

reg_asym_sam_15_avg_mean vs Slug



Right In: 50.467 $\pm$ 21.547 χ^2 /NDF: 18.2/16

Left Out: 96.801 $\pm$ 36.722 χ^2 /NDF: 2.1/3

Right Out: -69.739 $\pm$ 20.448 χ^2 /NDF: 18.1/18

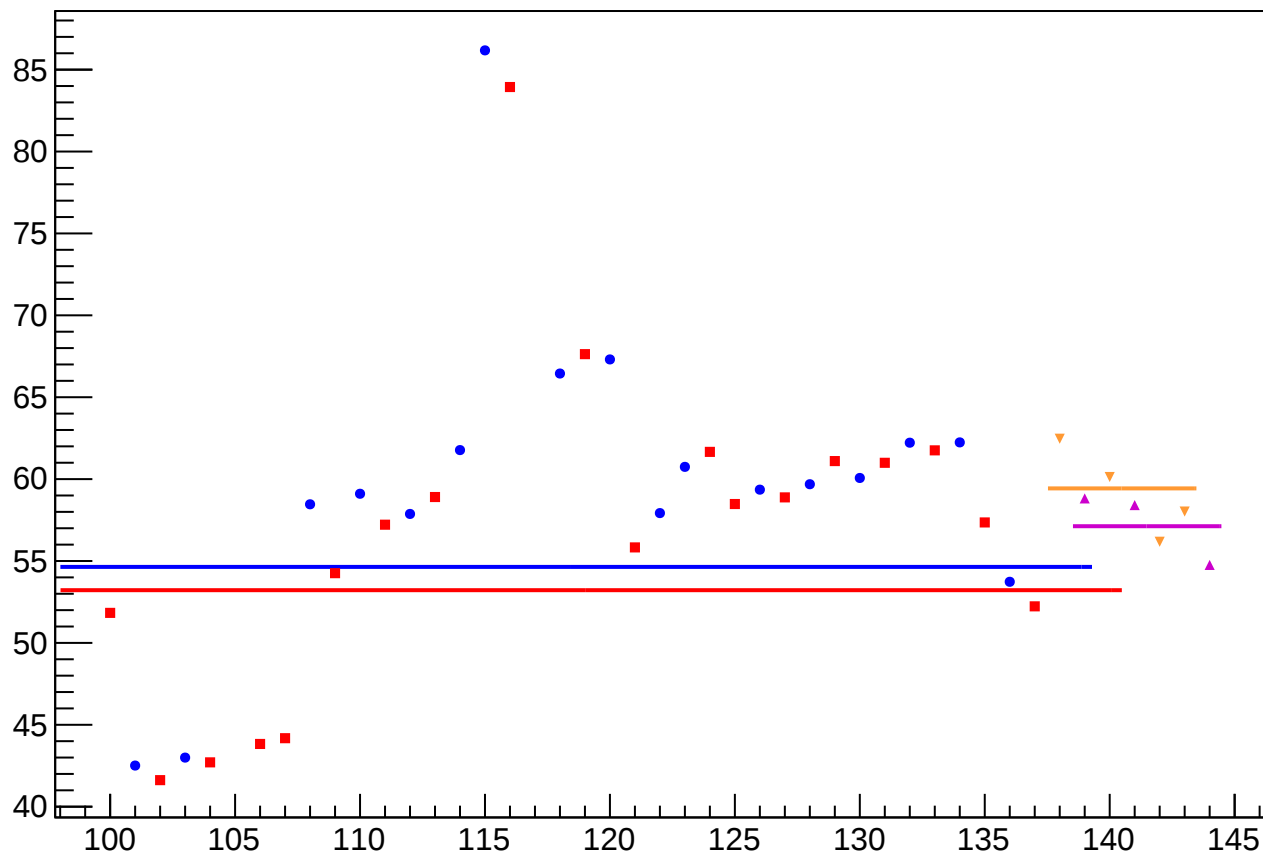
Left In: 36.815 $\pm$ 36.700 χ^2 /NDF: 1.0/2

+ sign 62.334 $\pm$ 18.584 χ^2 /NDF: 21.5/20

All: 6.805 $\pm$ 12.878 χ^2 /NDF: 64.2/42

- sign -44.496 $\pm$ 17.863 χ^2 /NDF: 25.5/21

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.640+/-0.015 χ^2/NDF : 318989.1/16

Left Out: 59.433+/-0.026 χ^2/NDF : 7360.0/3

Right Out: 53.218+/-0.014 χ^2/NDF : 387904.0/18

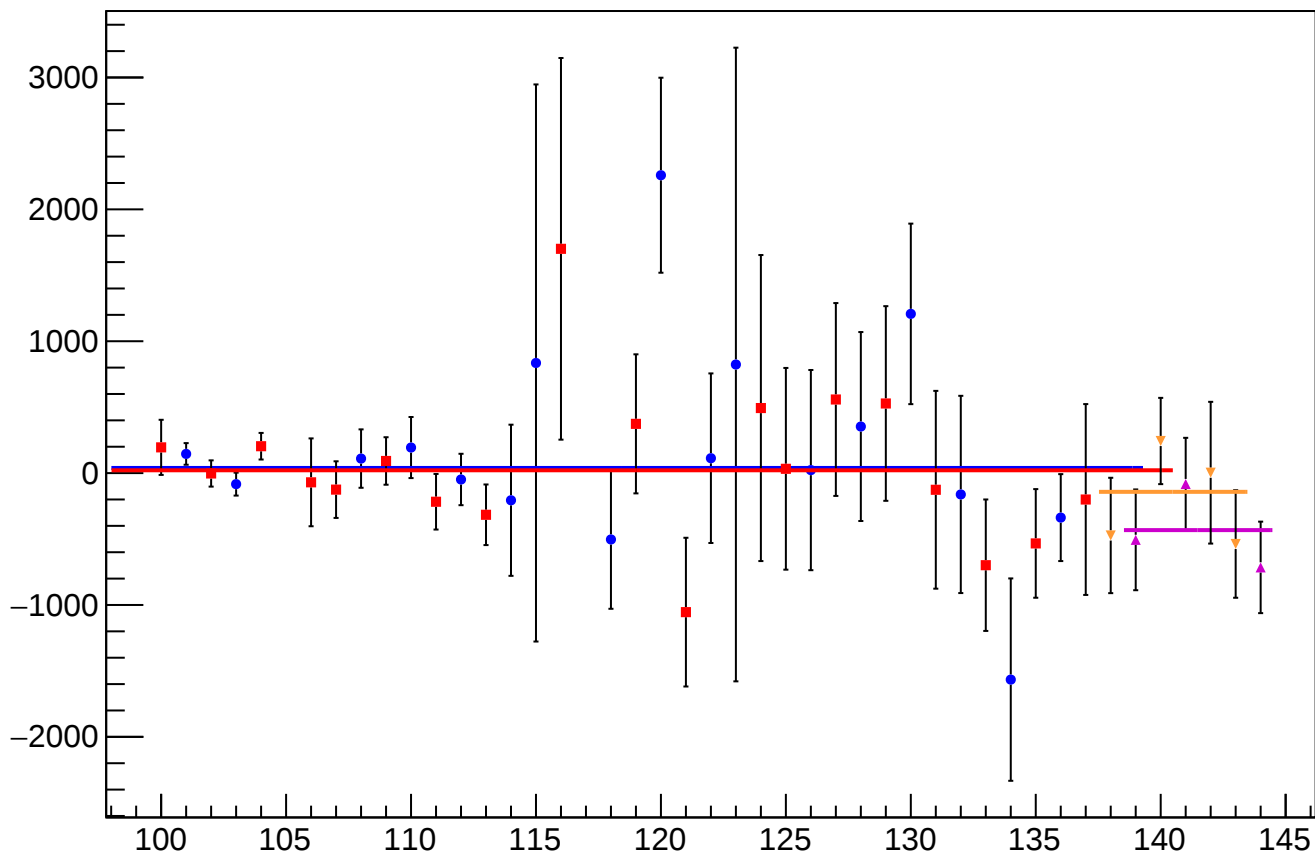
Left In: 57.124+/-0.026 χ^2/NDF : 5218.9/2

+ sign 55.868+/-0.013 χ^2/NDF : 351692.7/20

All: 54.972+/-0.009 χ^2/NDF : 771048.1/42

- sign 54.144+/-0.013 χ^2/NDF : 410408.7/21

asym_sam_15_avg_correction_mean vs Slug



Right In: 39.017 $\pm$ 51.561 χ^2 /NDF: 23.8/16

Left Out: -142.070 $\pm$ 203.903 χ^2 /NDF:3.0/3

Right Out: 21.418 $\pm$ 53.288 χ^2 /NDF: 18.8/18

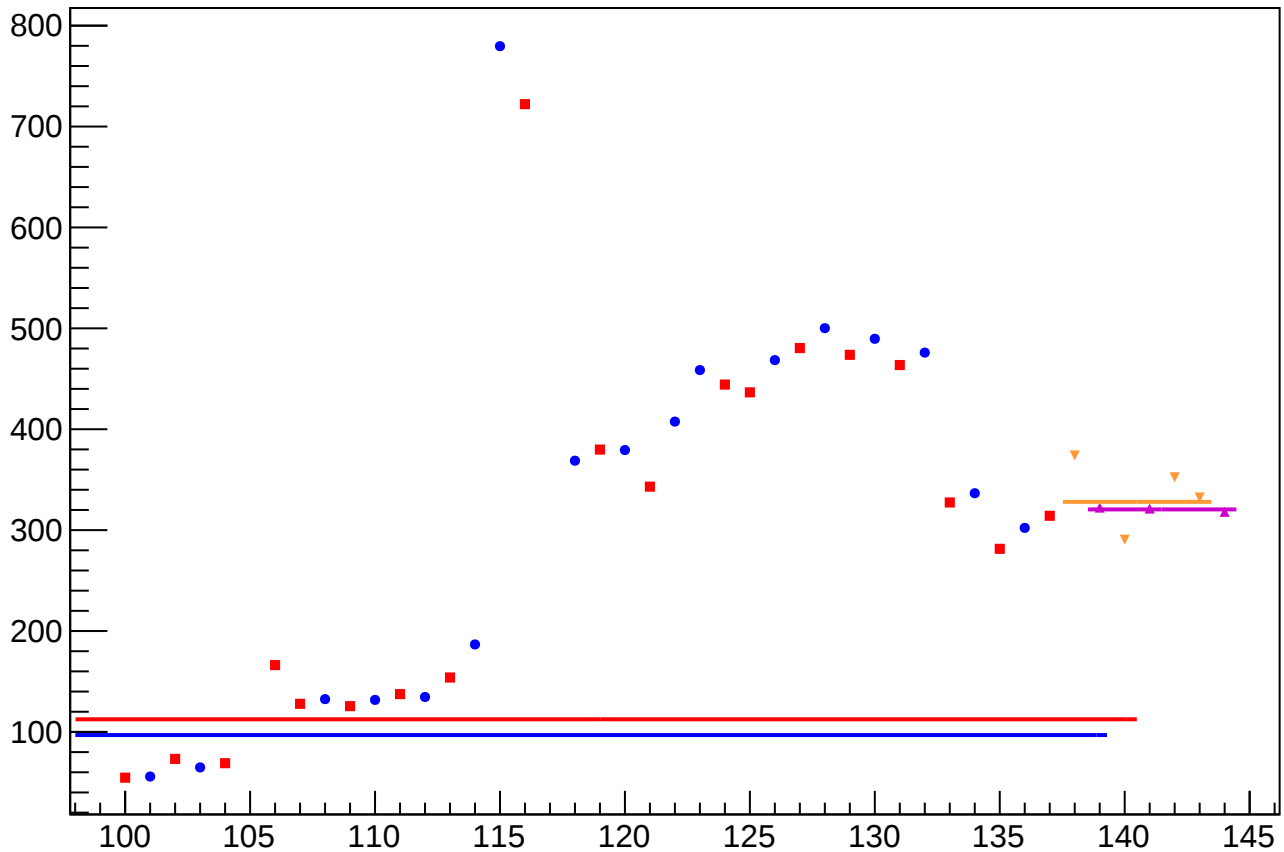
Left In: -432.303 $\pm$ 207.092 χ^2 /NDF:1.7/2

+ sign 28.133 $\pm$ 49.988 χ^2 /NDF: 27.5/20

All: 11.244 $\pm$ 35.906 χ^2 /NDF: 52.8/42

- sign -6.758 $\pm$ 51.607 χ^2 /NDF: 25.0/21

asym_sam_15_avg_correction_rms vs Slug



Right In: 96.900+/-0.036 χ^2/NDF : 5800378.0/16

Left Out: 328.027+/-0.144 χ^2/NDF : 52624.1/3

Right Out: 112.520+/-0.038 χ^2/NDF : 5015761.7/18

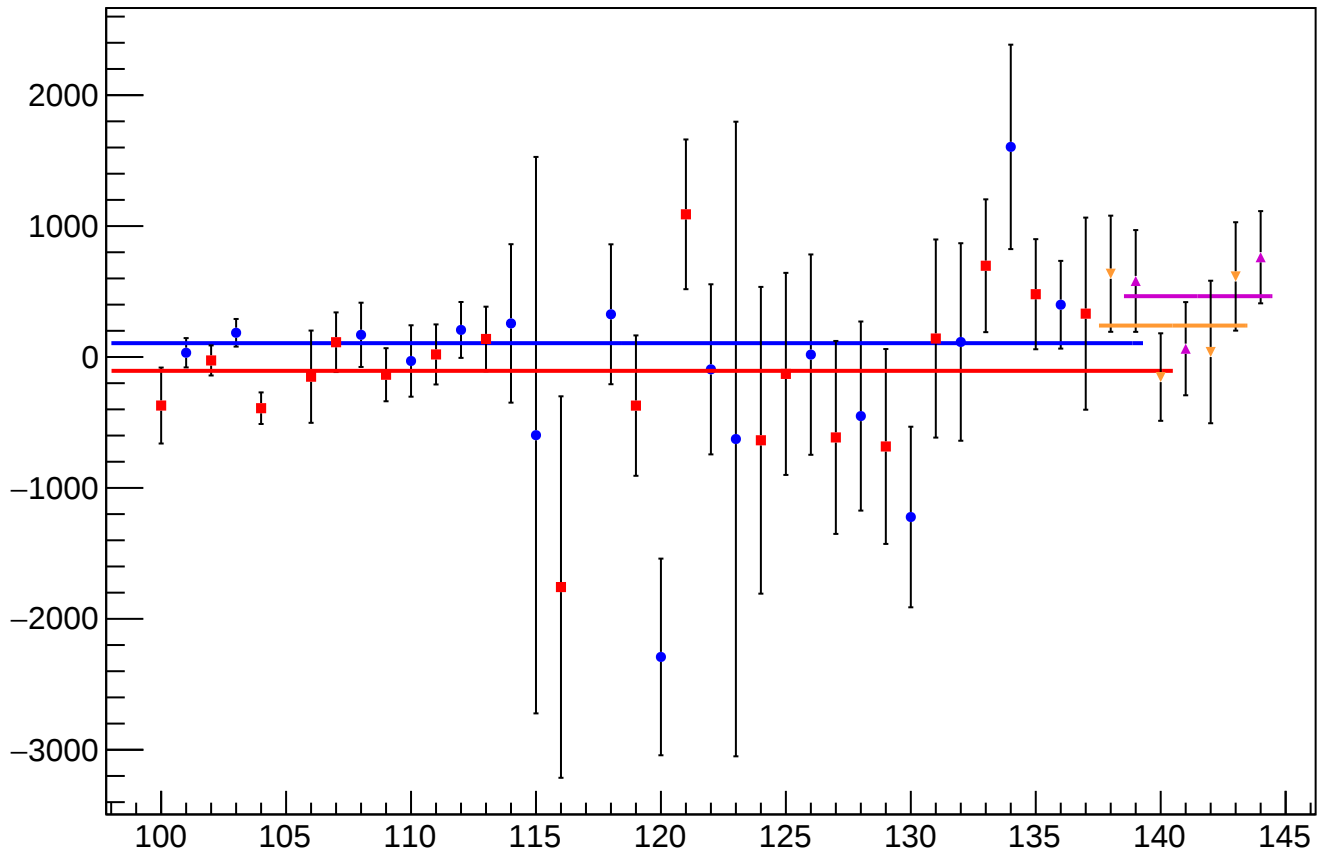
Left In: 320.529+/-0.146 χ^2/NDF : 150.6/2

+ sign 110.791+/-0.035 χ^2/NDF : 8268267.6/20

All: 117.880+/-0.025 χ^2/NDF : 15259736.6/42

- sign 125.437+/-0.036 χ^2/NDF : 6908354.9/21

asym_sam_15_avg_mean vs Slug



Right In: 105.662 $\pm$ 63.187 χ^2 /NDF: 21.0/16

Left Out: 240.101 $\pm$ 207.413 χ^2 /NDF: 3.1/3

Right Out: -105.735 $\pm$ 60.878 χ^2 /NDF: 21.2/18

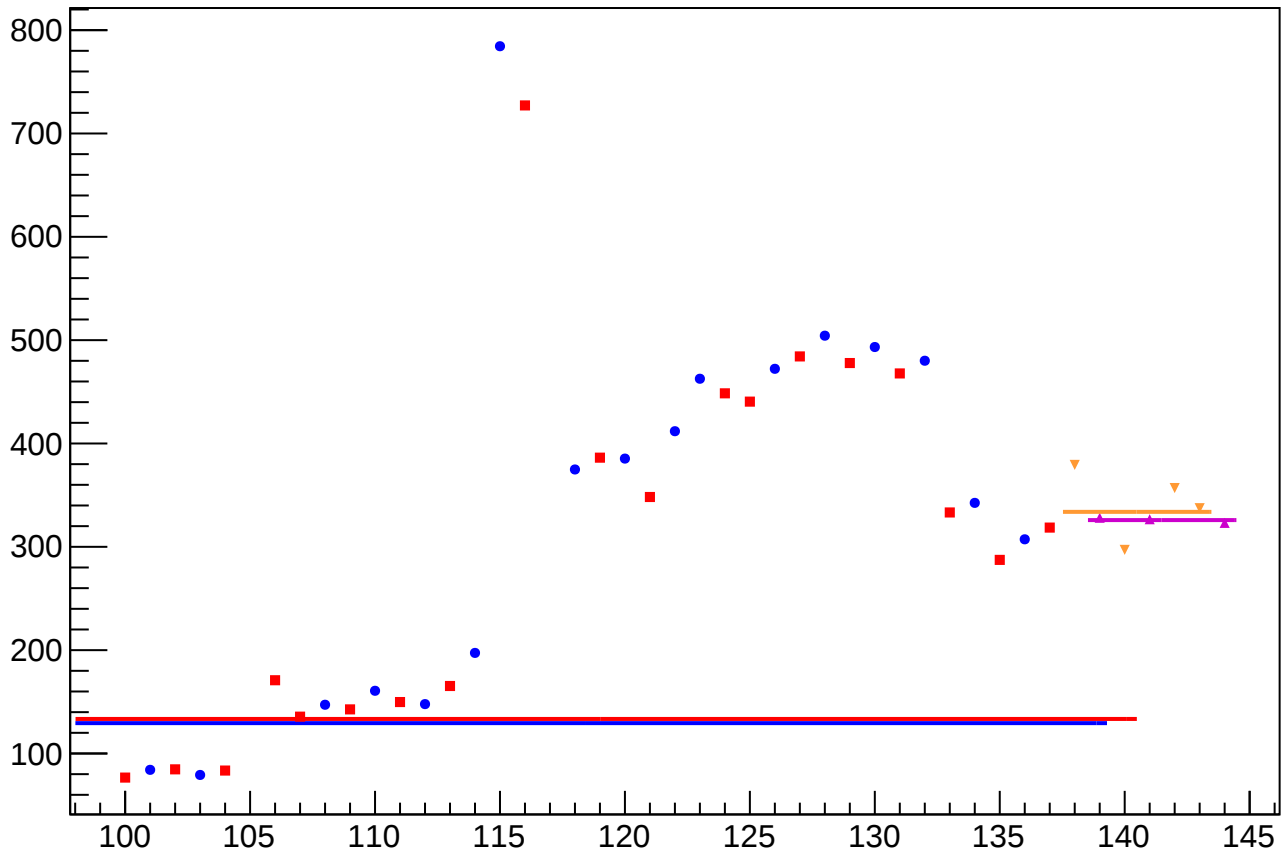
Left In: 464.527 $\pm$ 210.466 χ^2 /NDF: 2.1/2

+ sign 117.079 $\pm$ 60.444 χ^2 /NDF: 24.5/20

All: 24.734 $\pm$ 42.029 χ^2 /NDF: 59.1/42

- sign -61.707 $\pm$ 58.480 χ^2 /NDF: 30.1/21

asym_sam_15_avg_rms vs Slug



Right In: 129.376+/-0.045 χ^2/NDF : 4758533.8/16

Left Out: 333.840+/-0.147 χ^2/NDF : 48960.4/3

Right Out: 133.433+/-0.043 χ^2/NDF : 4349255.7/18

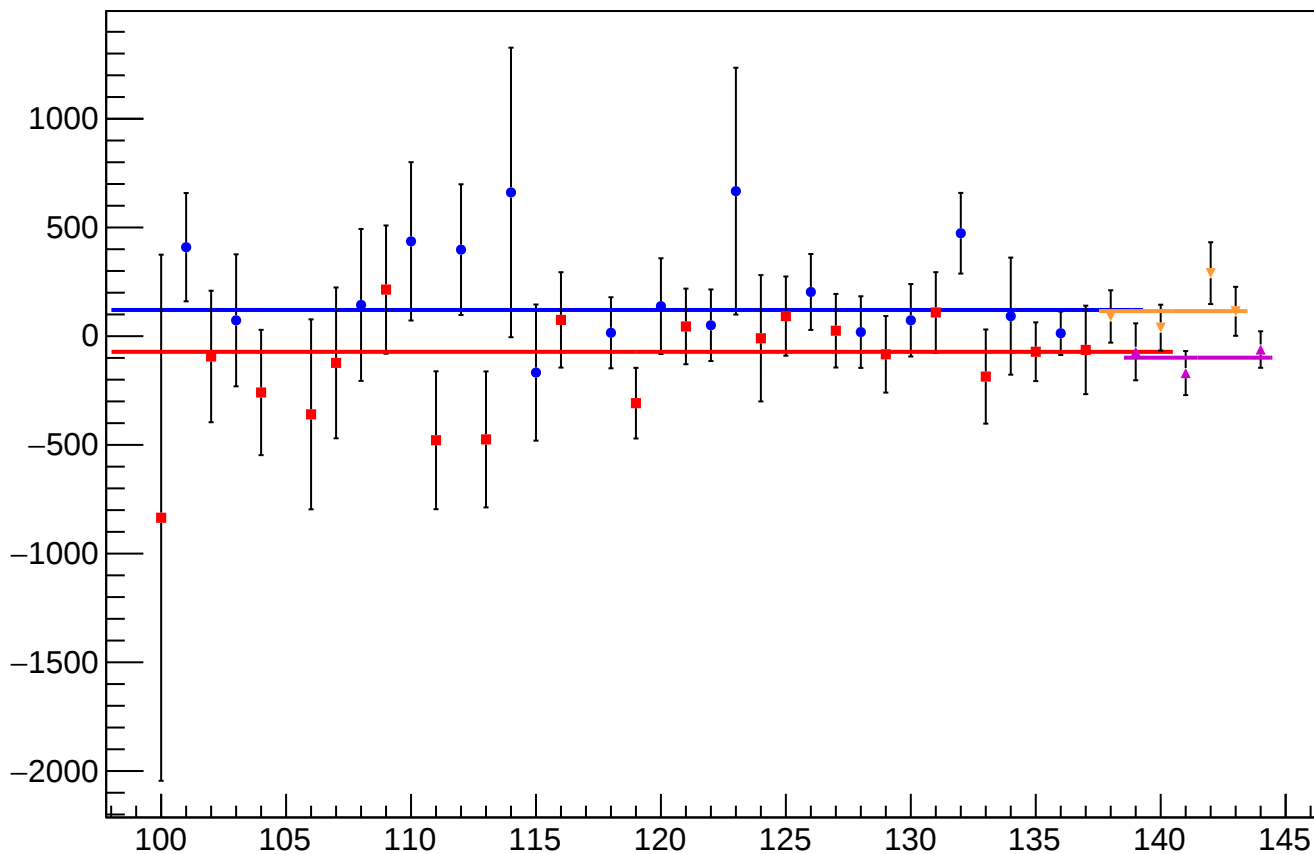
Left In: 325.869+/-0.149 χ^2/NDF : 196.3/2

+ sign 146.740+/-0.043 χ^2/NDF : 6585980.3/20

All: 147.541+/-0.030 χ^2/NDF : 12479036.9/42

- sign 148.291+/-0.041 χ^2/NDF : 5892377.1/21

reg_asym_sam_26_avg_mean vs Slug



Right In: 120.594 $\pm$ 49.201 χ^2 /NDF: 11.5/16

Left Out: 115.481 $\pm$ 59.000 χ^2 /NDF: 2.1/3

Right Out: -72.023 $\pm$ 50.051 χ^2 /NDF: 11.0/18

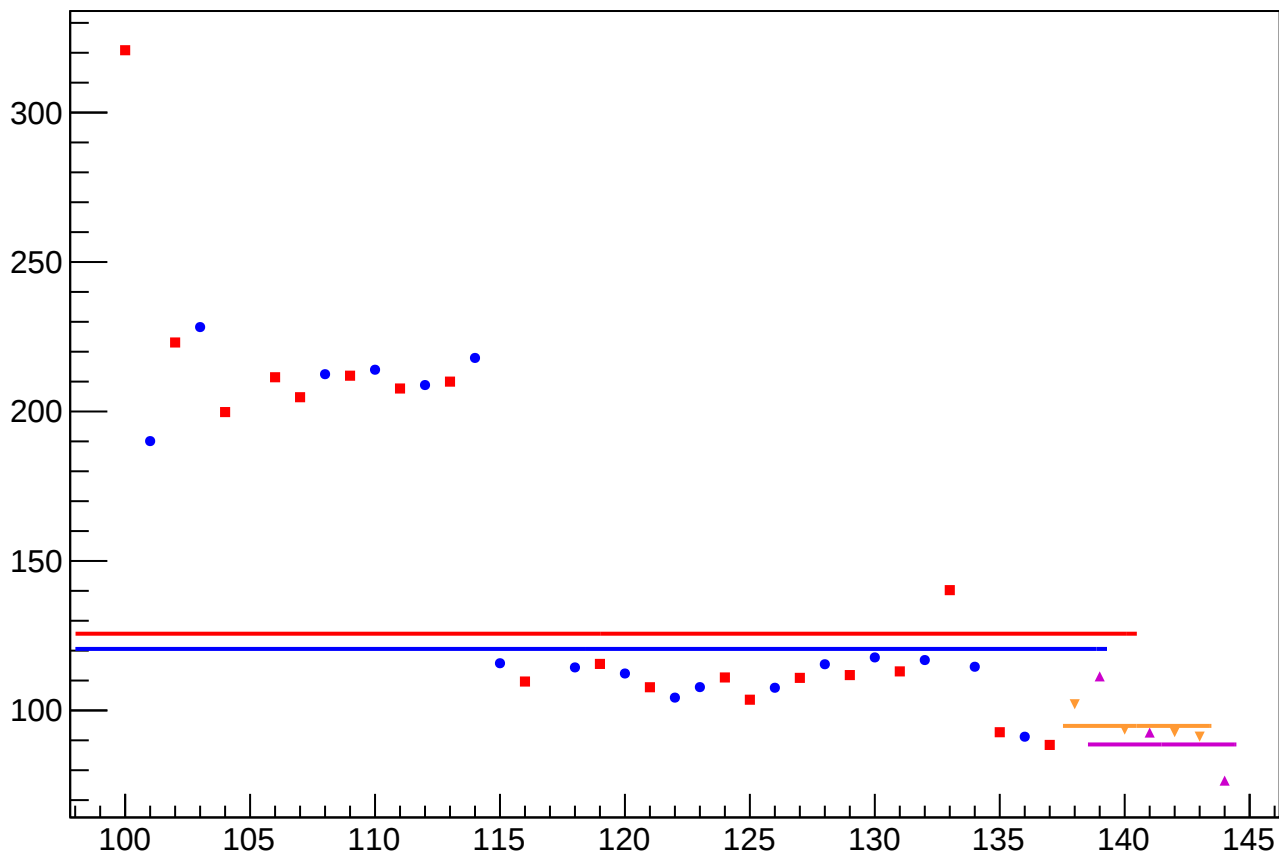
Left In: -98.904 $\pm$ 57.955 χ^2 /NDF: 0.7/2

+ sign 118.497 $\pm$ 37.786 χ^2 /NDF: 13.5/20

All: 17.745 $\pm$ 26.752 χ^2 /NDF: 39.6/42

- sign -83.507 $\pm$ 37.880 χ^2 /NDF: 11.8/21

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.576 $\pm$ 0.035 χ^2/NDF : 1107352.4/16

Left Out: 94.825 $\pm$ 0.042 χ^2/NDF : 9982.5/3

Right Out: 125.666 $\pm$ 0.035 χ^2/NDF : 1329602.0/18

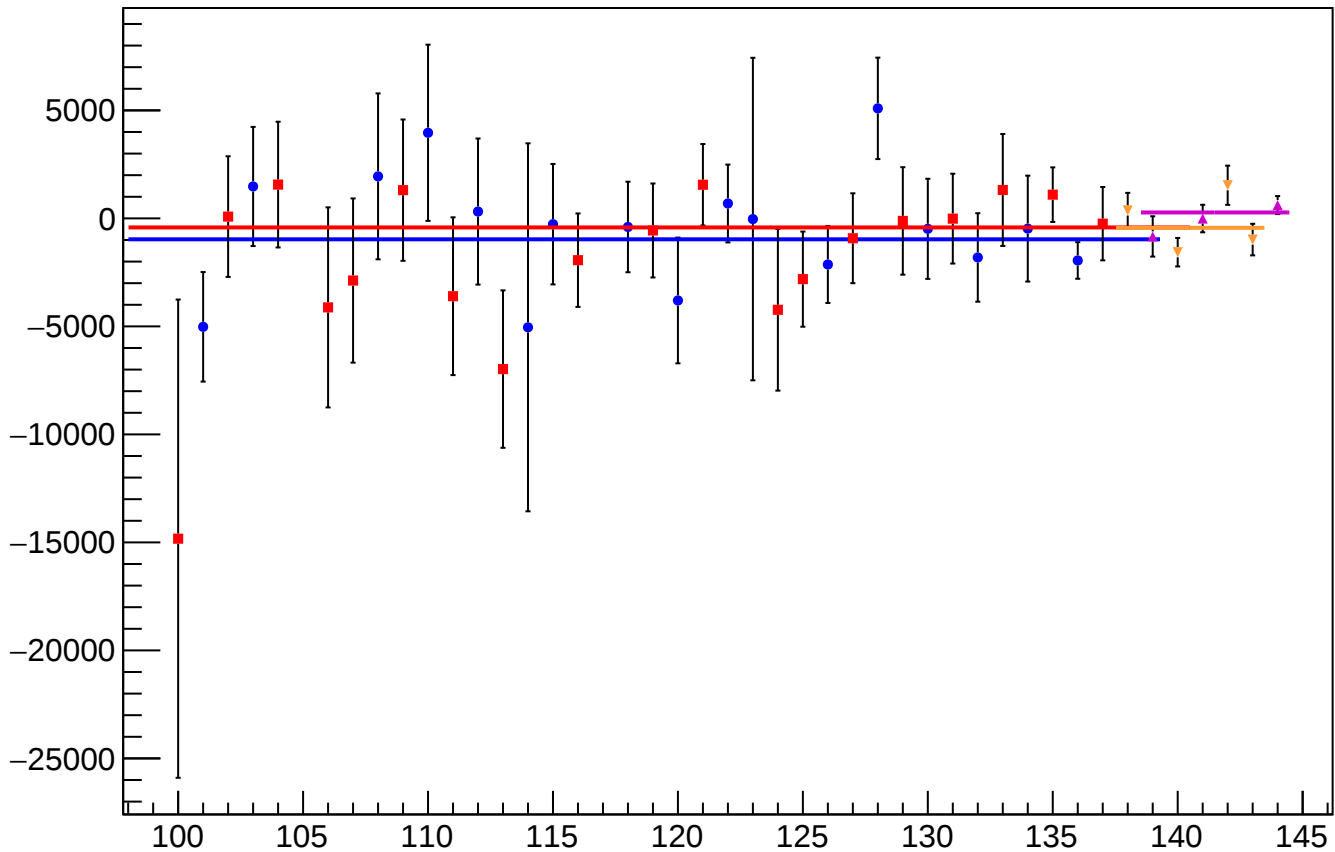
Left In: 88.618 $\pm$ 0.041 χ^2/NDF : 105134.5/2

+ sign 110.014 $\pm$ 0.027 χ^2/NDF : 1342056.0/20

All: 109.926 $\pm$ 0.019 χ^2/NDF : 3244949.1/42

- sign 109.839 $\pm$ 0.027 χ^2/NDF : 1902871.8/21

asym_sam_26_avg_correction_mean vs Slug



Right In: -968.648 ± 513.413 $\chi^2/\text{NDF}: 16.4/16$

Left Out: -437.558 ± 380.614 $\chi^2/\text{NDF}: 9.2/3$

Right Out: -419.047 ± 546.790 $\chi^2/\text{NDF}: 13.3/18$

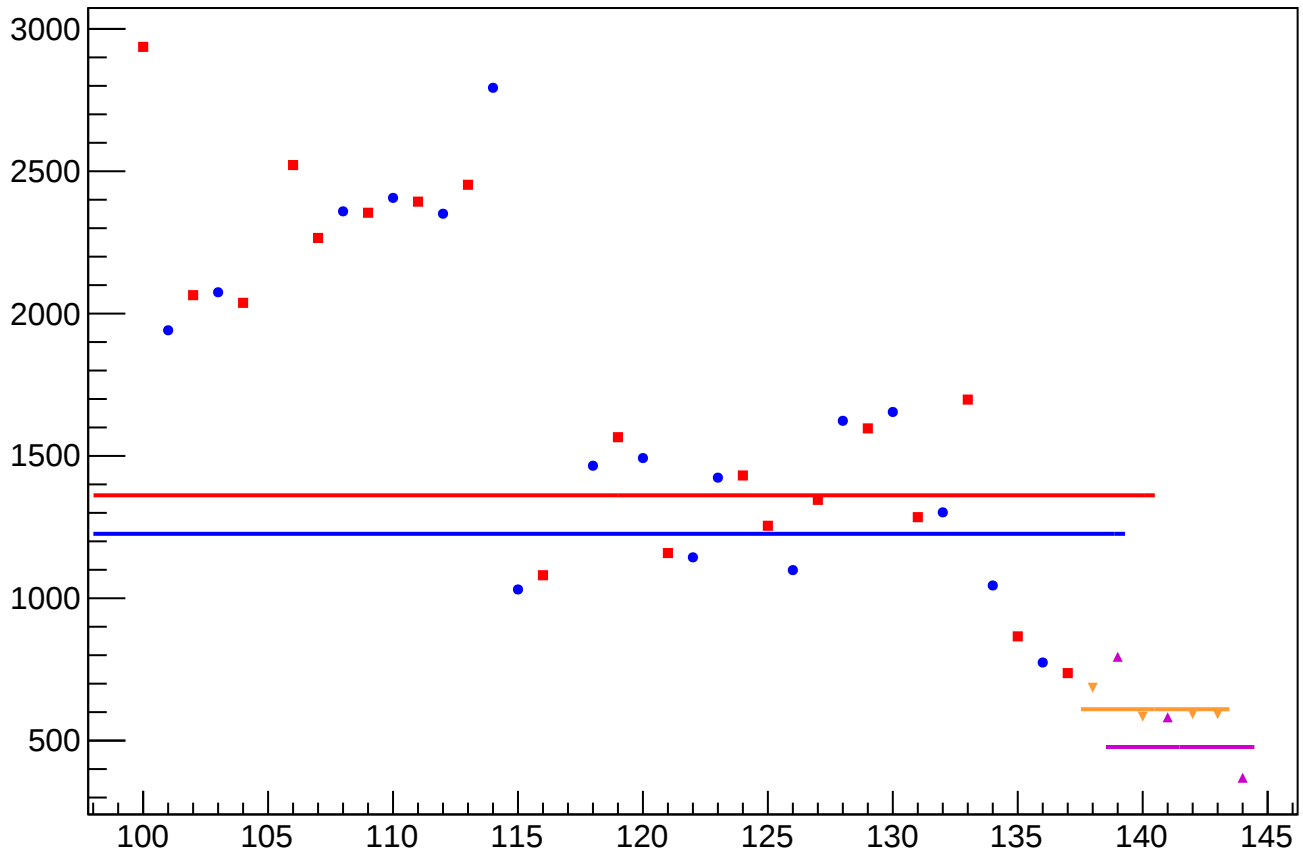
Left In: 274.295 ± 326.611 $\chi^2/\text{NDF}: 2.3/2$

+ sign -625.918 ± 305.757 $\chi^2/\text{NDF}: 26.3/20$

All: -235.974 ± 206.656 $\chi^2/\text{NDF}: 46.1/42$

- sign 91.967 ± 280.397 $\chi^2/\text{NDF}: 16.8/21$

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.408+/-0.363 χ^2/NDF : 1754373.1/16

Left Out: 610.264+/-0.269 χ^2/NDF : 22184.9/3

Right Out: 1361.687+/-0.387 χ^2/NDF : 1749515.8/18

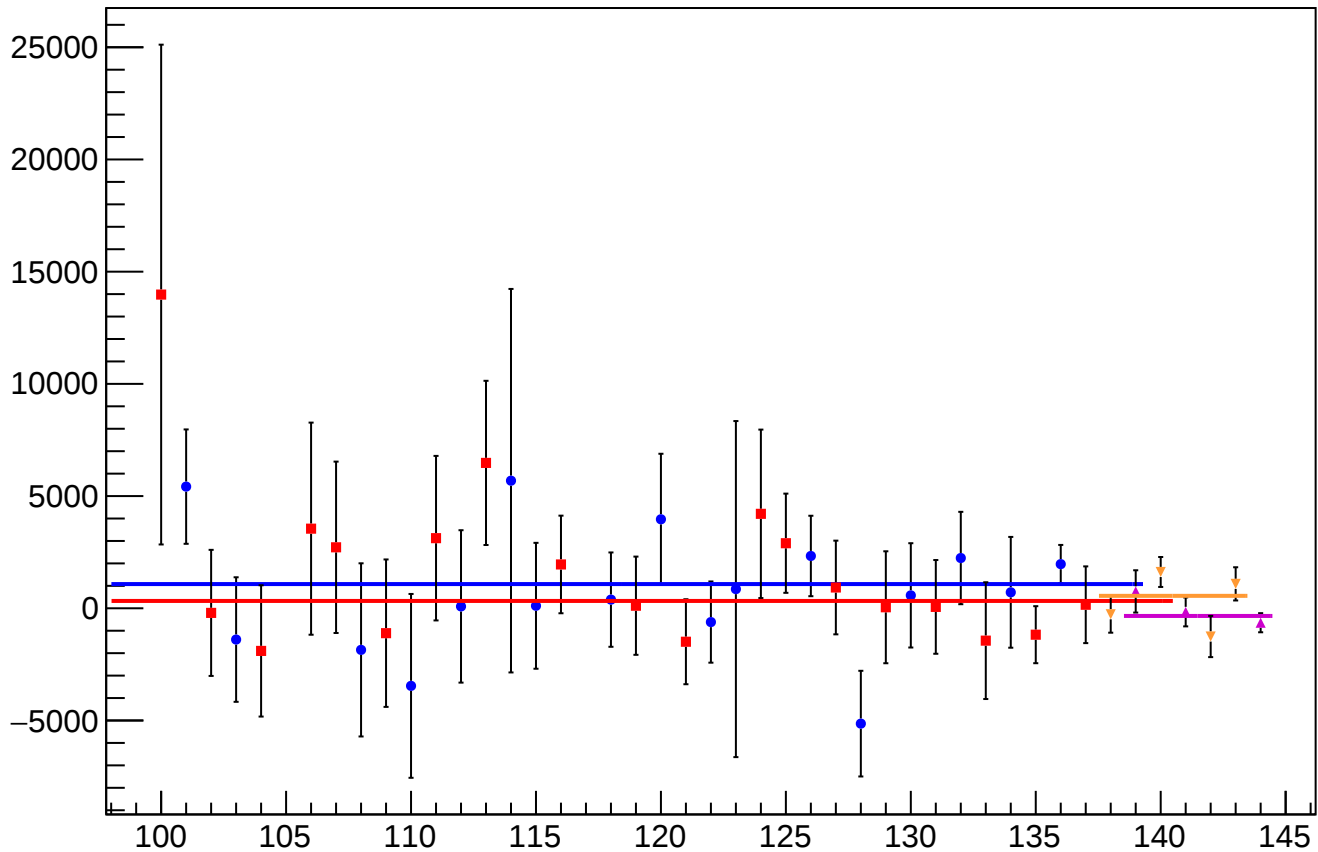
Left In: 477.509+/-0.231 χ^2/NDF : 418693.2/2

+ sign 828.789+/-0.216 χ^2/NDF : 3635407.0/20

All: 764.276+/-0.146 χ^2/NDF : 9821908.2/42

- sign 710.021+/-0.198 χ^2/NDF : 6022582.7/21

asym_sam_26_avg_mean vs Slug



Right In: 1078.872 $\pm$ 516.347 χ^2 /NDF: 16.9/16

Left Out: 554.397 $\pm$ 385.228 χ^2 /NDF: 7.9/3

Right Out: 327.027 $\pm$ 549.623 χ^2 /NDF: 12.5/18

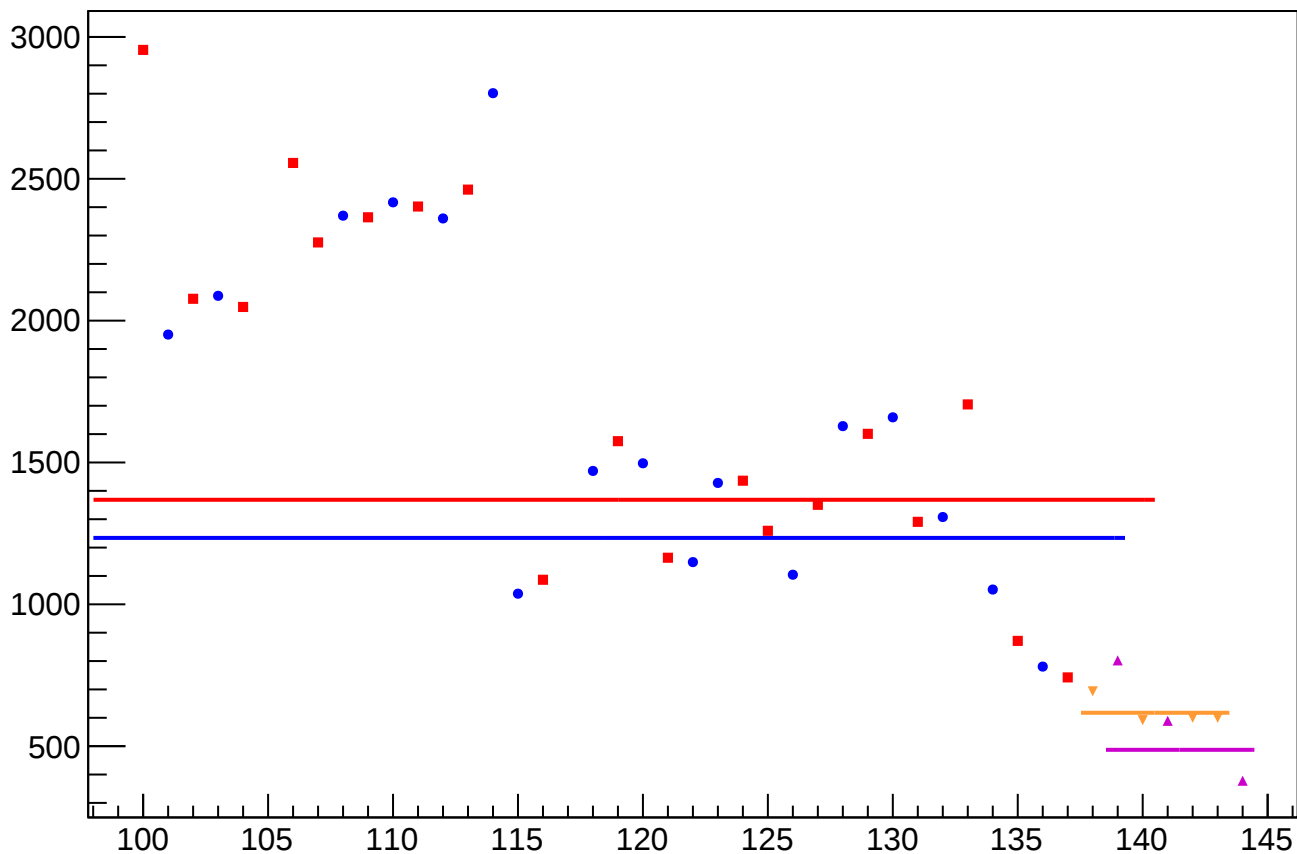
Left In: -341.652 $\pm$ 332.490 χ^2 /NDF: 1.9/2

+ sign 741.939 $\pm$ 308.765 χ^2 /NDF: 25.5/20

All: 252.764 $\pm$ 209.219 χ^2 /NDF: 45.6/42

- sign -162.505 $\pm$ 284.486 χ^2 /NDF: 15.5/21

asym_sam_26_avg_rms vs Slug



Right In: 1234.132 $\pm$ 0.365 χ^2 /NDF: 1741964.9/16

Left Out: 617.715 $\pm$ 0.272 χ^2 /NDF:21830.1/3

Right Out: 1368.544 $\pm$ 0.389 χ^2 /NDF: 1745009.6/18

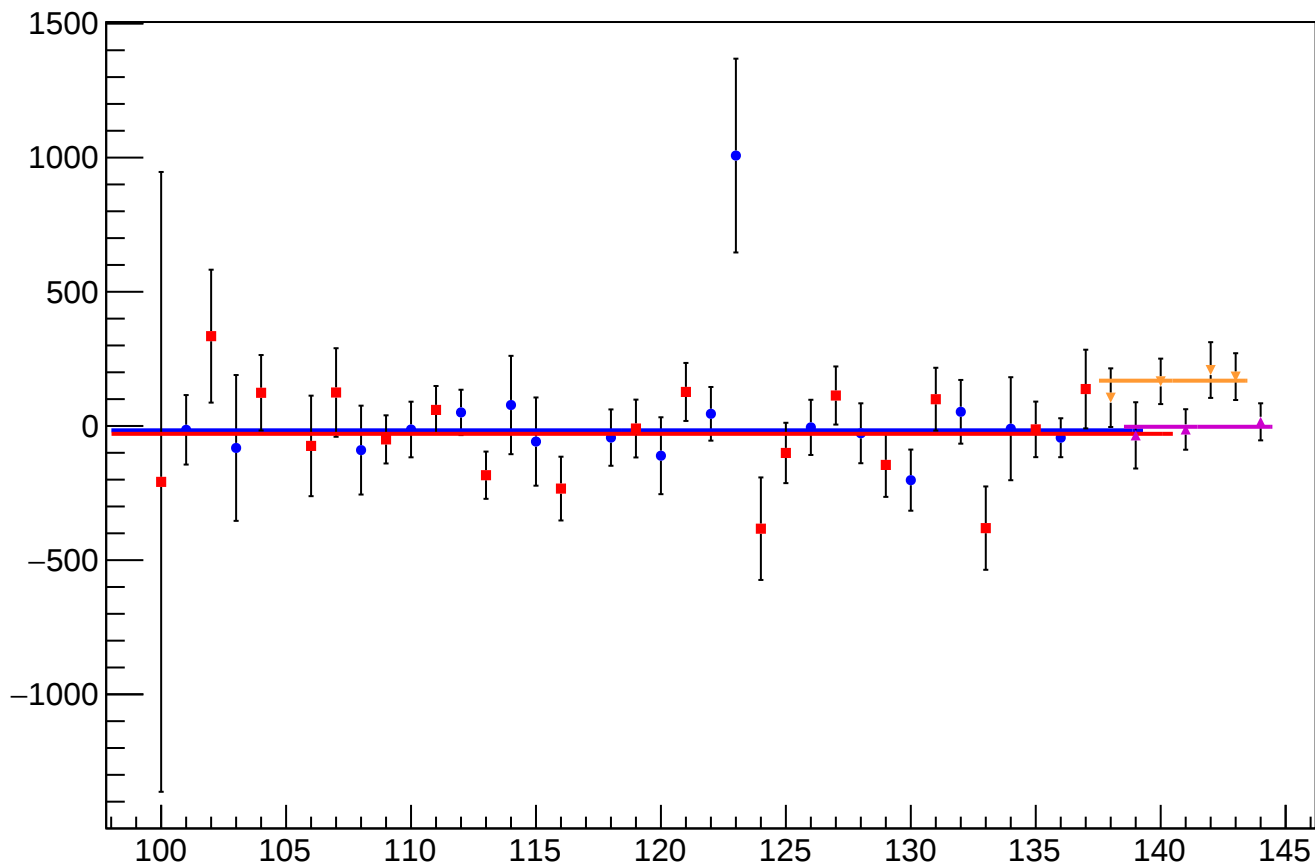
Left In: 487.114 $\pm$ 0.235 χ^2 /NDF:404882.1/2

+ sign 838.134 $\pm$ 0.218 χ^2 /NDF: 3594909.8/20

All: 776.003 $\pm$ 0.148 χ^2 /NDF: 9660172.6/42

- sign 723.259 $\pm$ 0.201 χ^2 /NDF: 5915534.4/21

reg_asym_sam_37_avg_mean vs Slug



Right In: -16.204 ± 28.906 χ^2/NDF : 13.3/16

Left Out: 168.784 ± 47.269 χ^2/NDF : 0.5/3

Right Out: -29.279 ± 28.050 χ^2/NDF : 27.6/18

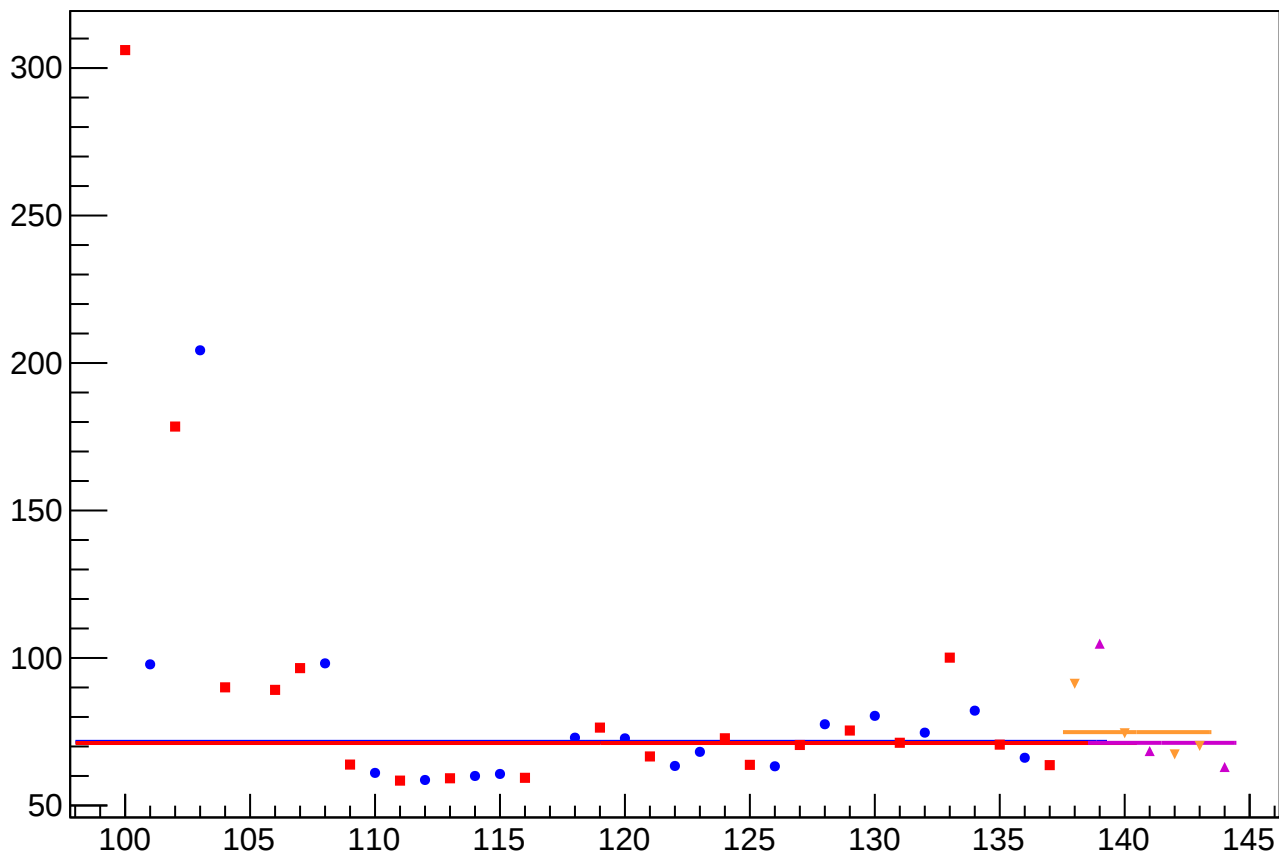
Left In: -3.011 ± 47.098 χ^2/NDF : 0.2/2

+ sign 34.146 ± 24.661 χ^2/NDF : 25.0/20

All: 5.222 ± 17.236 χ^2/NDF : 55.7/42

- sign -22.401 ± 24.100 χ^2/NDF : 28.0/21

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.567 $\pm$ 0.020 χ^2 /NDF: 758733.9/16

Left Out: 74.863 $\pm$ 0.033 χ^2 /NDF: 61319.7/3

Right Out: 71.173 $\pm$ 0.020 χ^2 /NDF: 765136.0/18

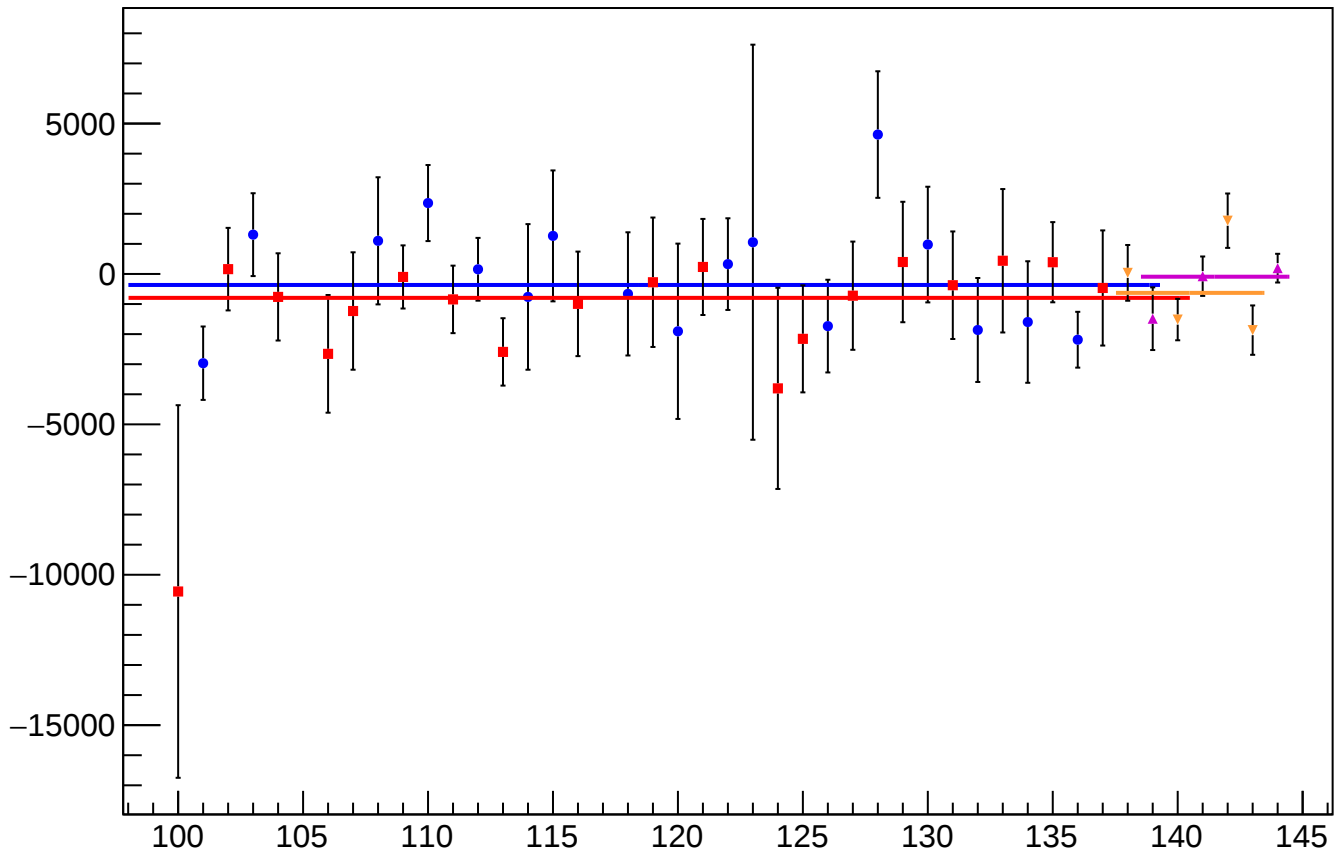
Left In: 71.232 $\pm$ 0.033 χ^2 /NDF: 179092.3/2

+ sign 72.464 $\pm$ 0.017 χ^2 /NDF: 827131.8/20

All: 71.811 $\pm$ 0.012 χ^2 /NDF: 1774100.3/42

- sign 71.188 $\pm$ 0.017 χ^2 /NDF: 944230.6/21

asym_sam_37_avg_correction_mean vs Slug



Right In: -365.739 ± 382.977 χ^2/NDF : 24.4/16

Left Out: -628.735 ± 408.865 χ^2/NDF : 11.5/3

Right Out: -794.732 ± 370.548 χ^2/NDF : 10.3/18

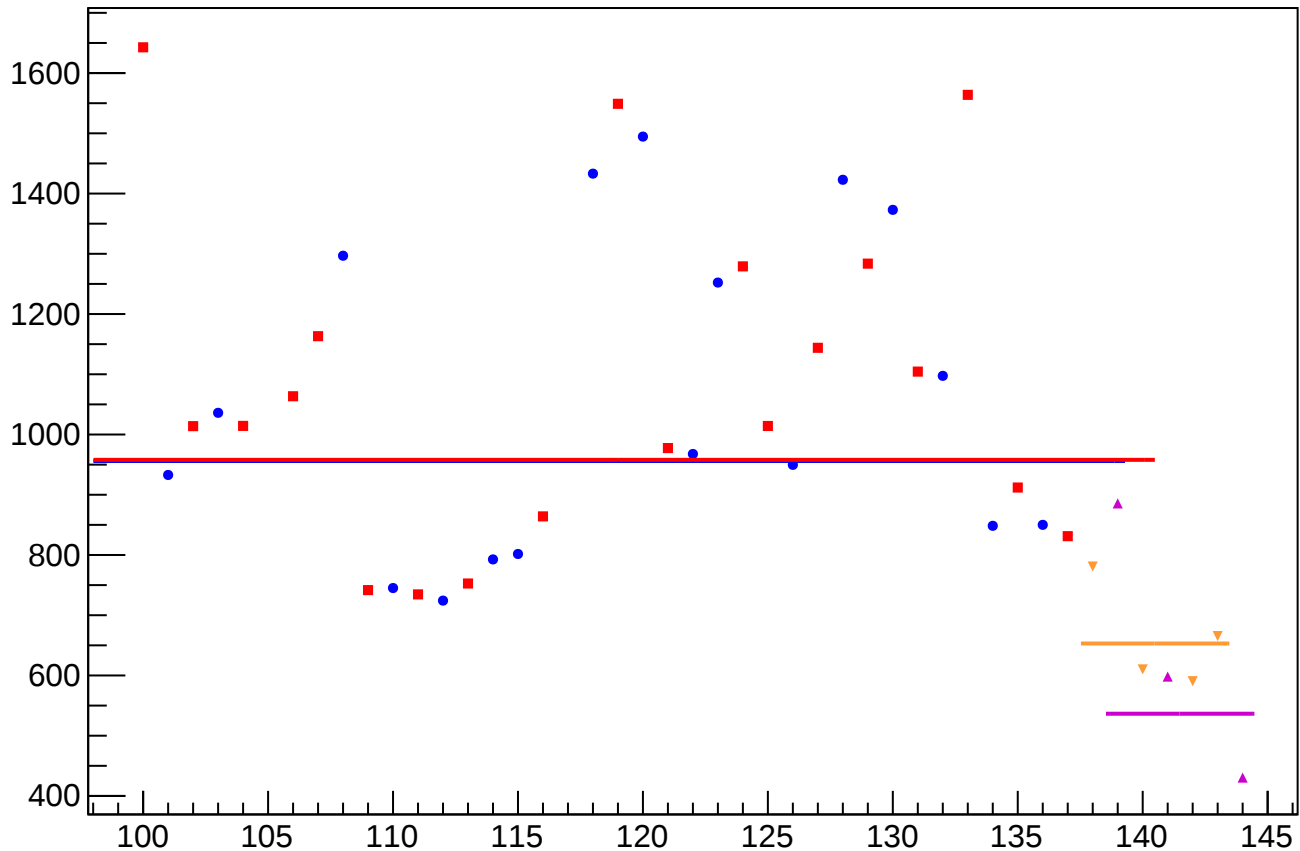
Left In: -91.354 ± 361.760 χ^2/NDF : 2.2/2

+ sign -488.648 ± 279.510 χ^2/NDF : 36.2/20

All: -459.555 ± 189.920 χ^2/NDF : 50.5/42

- sign -434.603 ± 258.854 χ^2/NDF : 14.3/21

asym_sam_37_avg_correction_rms vs Slug



Right In: 956.049 $\pm$ 0.271 χ^2 /NDF: 651701.4/16

Left Out: 653.049 $\pm$ 0.289 χ^2 /NDF:55848.9/3

Right Out: 957.960 $\pm$ 0.262 χ^2 /NDF: 695647.8/18

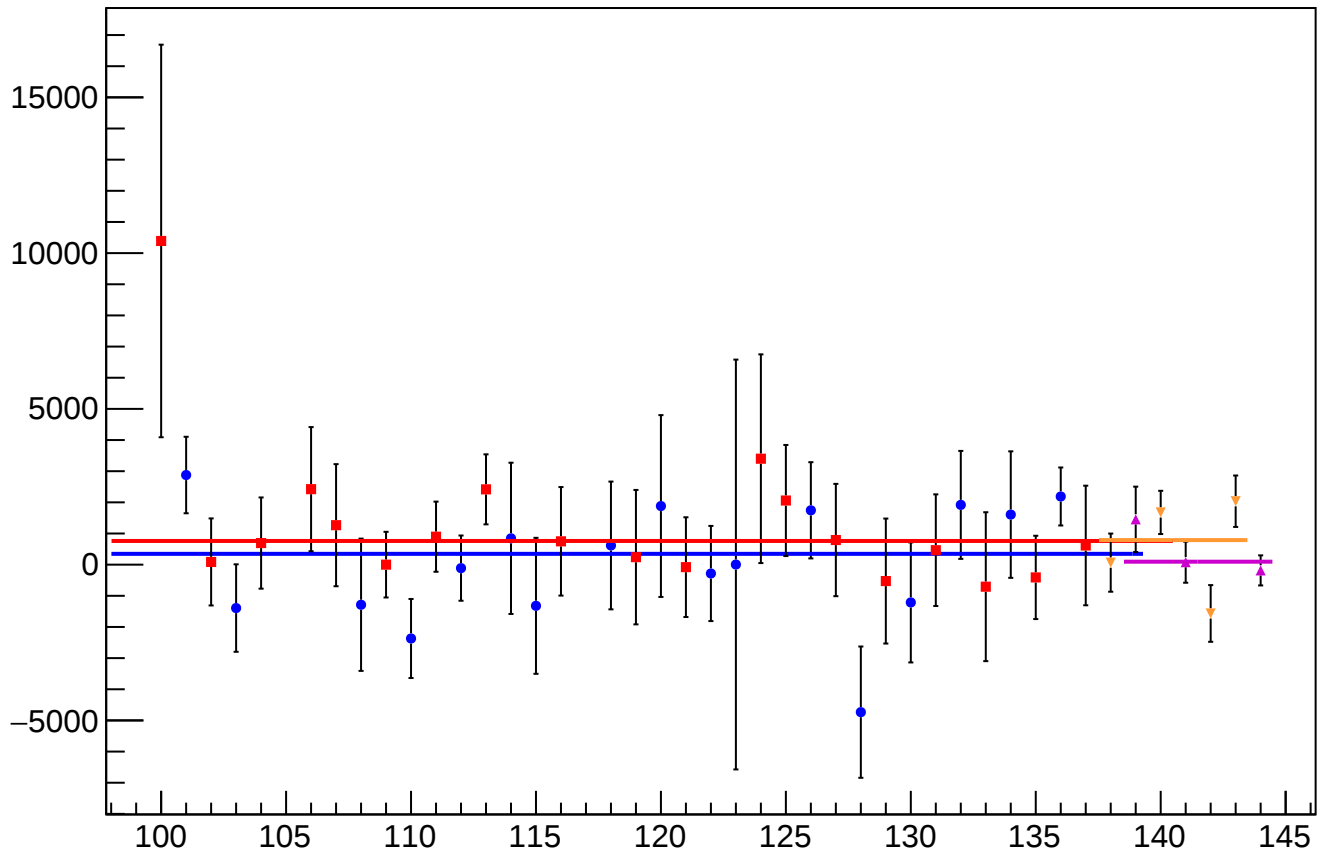
Left In: 536.485 $\pm$ 0.256 χ^2 /NDF:341084.4/2

+ sign 814.444 $\pm$ 0.198 χ^2 /NDF: 1292613.8/20

All: 775.536 $\pm$ 0.134 χ^2 /NDF: 3726151.5/42

- sign 742.166 $\pm$ 0.183 χ^2 /NDF: 2361545.2/21

asym_sam_37_avg_mean vs Slug



Right In: 347.157 $\pm$ 384.717 χ^2 /NDF: 24.7/16

Left Out: 788.594 $\pm$ 411.692 χ^2 /NDF:11.2/3

Right Out: 760.420 $\pm$ 372.421 χ^2 /NDF: 9.1/18

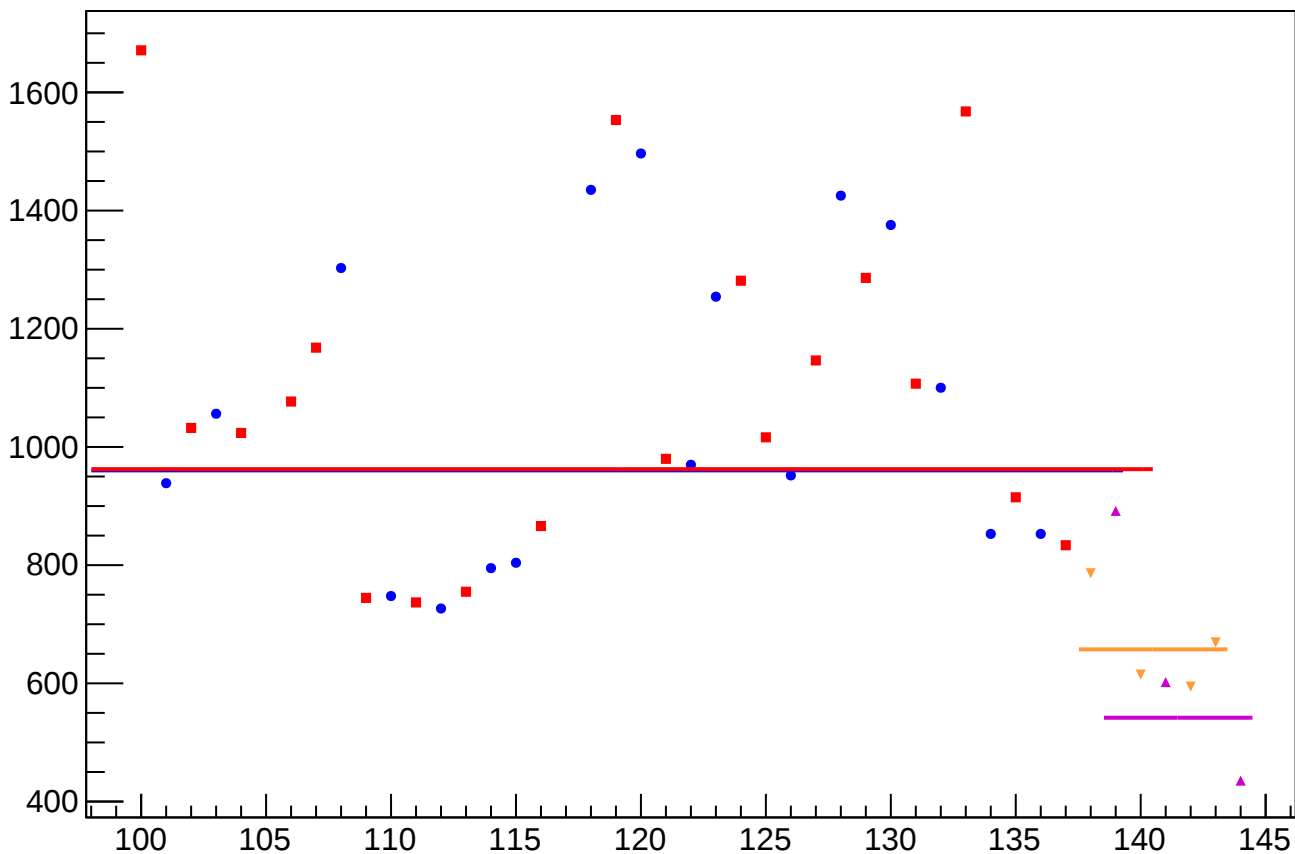
Left In: 95.058 $\pm$ 365.141 χ^2 /NDF:2.0/2

+ sign 552.940 $\pm$ 281.089 χ^2 /NDF: 36.5/20

All: 482.112 $\pm$ 191.156 χ^2 /NDF: 49.4/42

- sign 421.173 $\pm$ 260.730 χ^2 /NDF: 12.8/21

asym_sam_37_avg_rms vs Slug



Right In: 960.401 $\pm$ 0.272 χ^2 /NDF: 651758.1/16

Left Out: 657.527 $\pm$ 0.291 χ^2 /NDF: 55668.0/3

Right Out: 962.436 $\pm$ 0.263 χ^2 /NDF: 698312.5/18

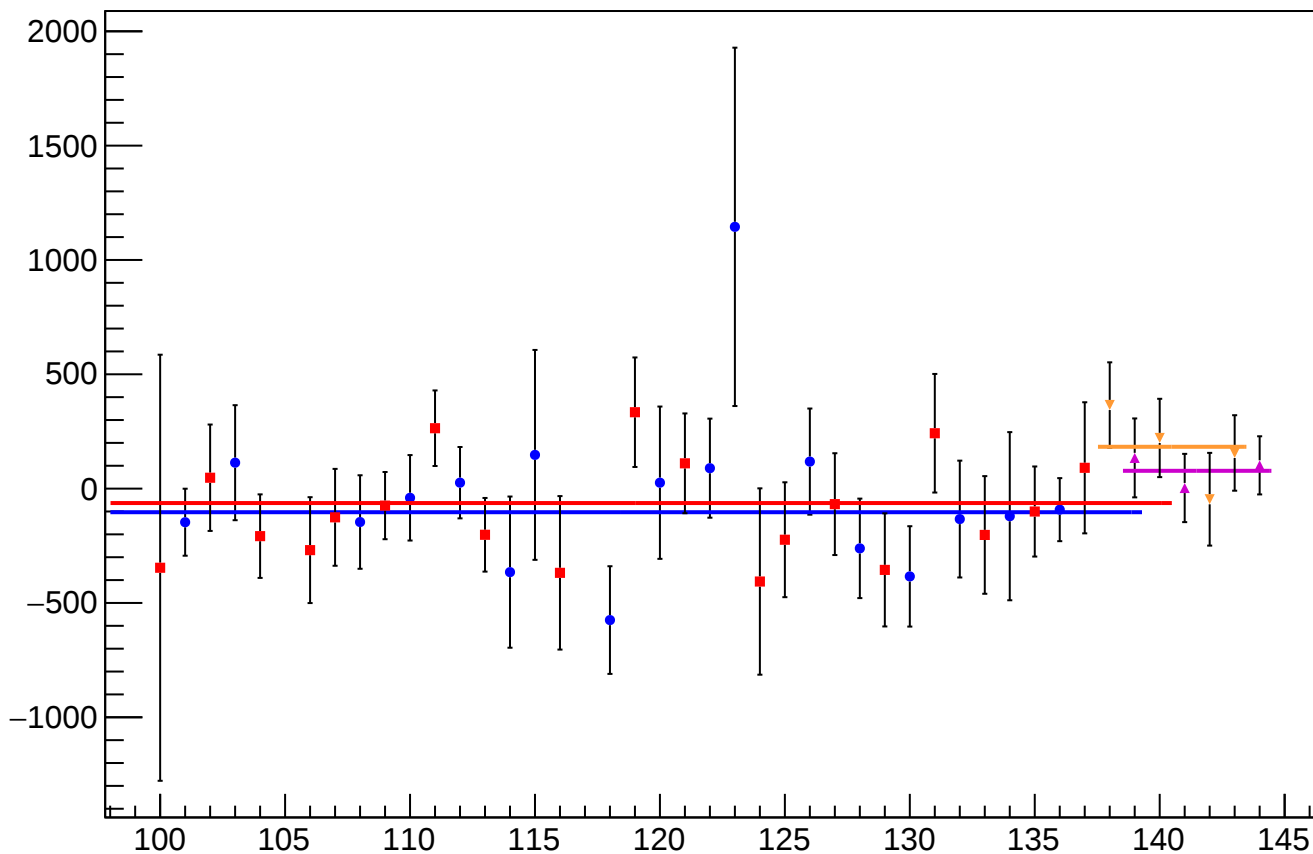
Left In: 541.842 $\pm$ 0.258 χ^2 /NDF: 336575.2/2

+ sign 819.211 $\pm$ 0.199 χ^2 /NDF: 1285271.9/20

All: 780.927 $\pm$ 0.135 χ^2 /NDF: 3689786.6/42

- sign 747.988 $\pm$ 0.184 χ^2 /NDF: 2335494.0/21

reg_asym_sam_48_avg_mean vs Slug



Right In: -103.183 ± 53.022 χ^2/NDF : 13.2/16

Left Out: 182.965 ± 89.853 χ^2/NDF : 2.3/3

Right Out: -63.083 ± 50.922 χ^2/NDF : 15.2/18

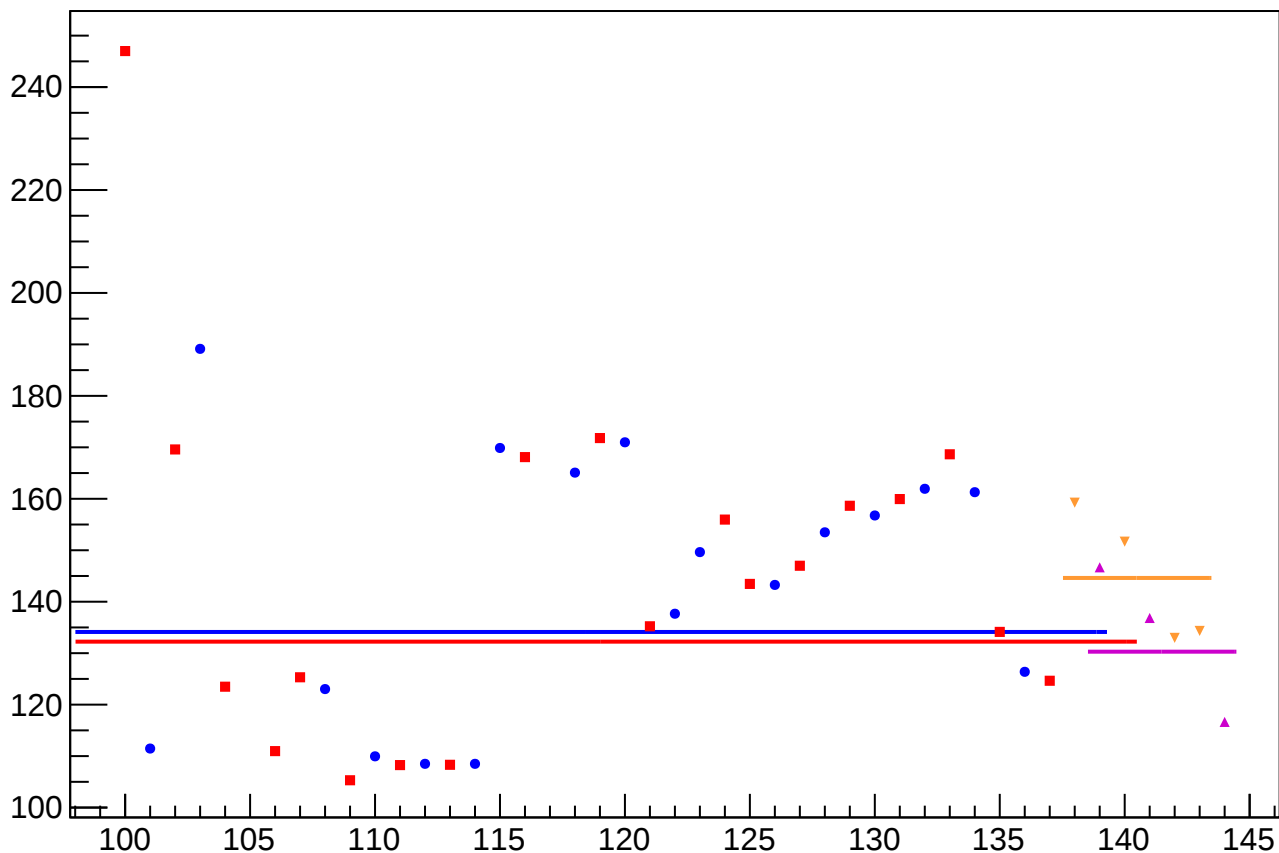
Left In: 77.886 ± 84.424 χ^2/NDF : 0.4/2

+ sign -29.277 ± 45.664 χ^2/NDF : 23.0/20

All: -27.289 ± 31.536 χ^2/NDF : 40.7/42

- sign -25.477 ± 43.604 χ^2/NDF : 17.7/21

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.122 $\pm$ 0.037 χ^2 /NDF: 402473.7/16

Left Out: 144.617 $\pm$ 0.064 χ^2 /NDF:30063.3/3

Right Out: 132.239 $\pm$ 0.036 χ^2 /NDF: 443566.0/18

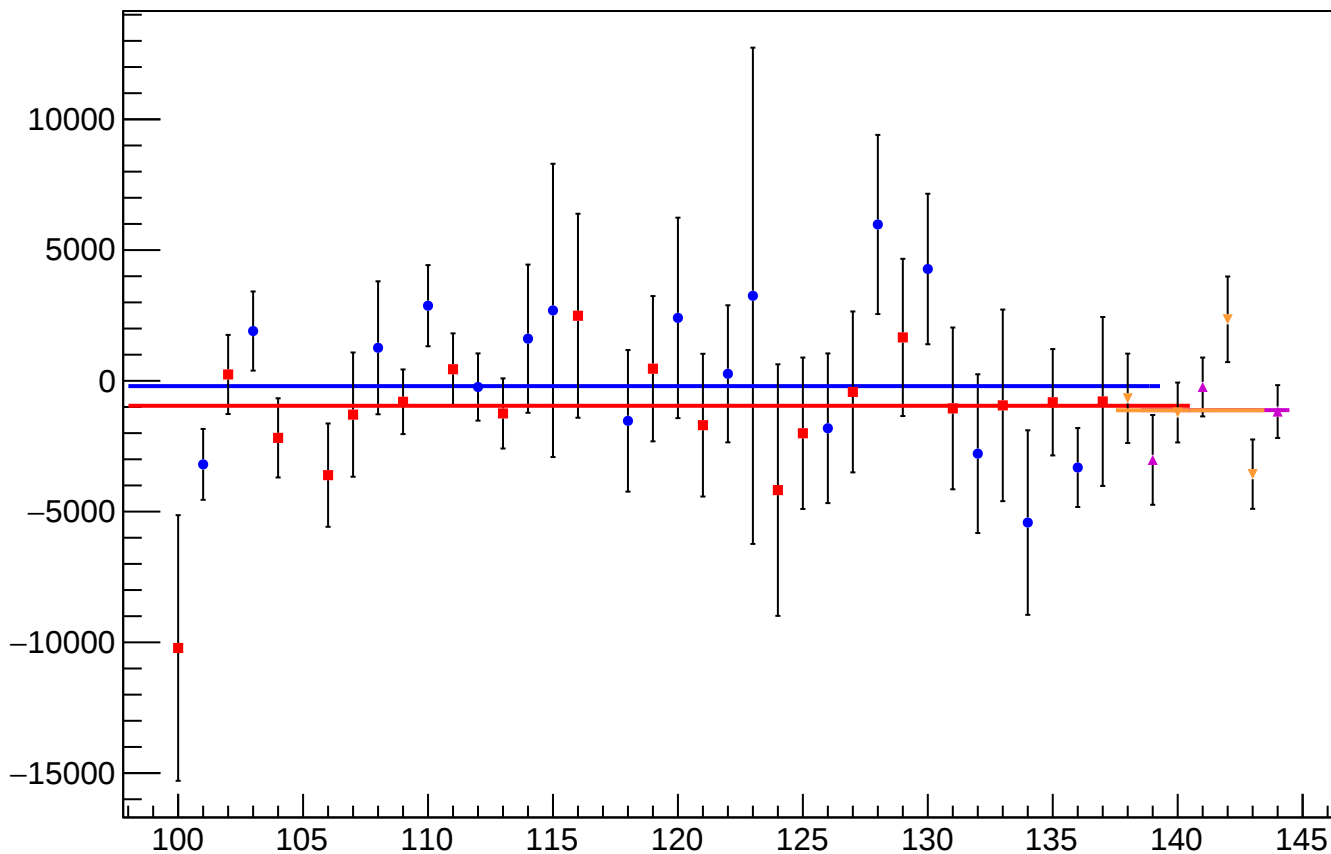
Left In: 130.291 $\pm$ 0.060 χ^2 /NDF:44934.3/2

+ sign 136.833 $\pm$ 0.032 χ^2 /NDF: 452776.5/20

All: 134.158 $\pm$ 0.022 χ^2 /NDF: 955174.5/42

- sign 131.720 $\pm$ 0.031 χ^2 /NDF: 489281.0/21

asym_sam_48_avg_correction_mean vs Slug



Right In: -201.740 ± 524.888 χ^2/NDF : 25.8/16

Left Out: -1125.258 ± 698.907 χ^2/NDF : 8.0/3

Right Out: -953.808 ± 481.576 χ^2/NDF : 10.0/18

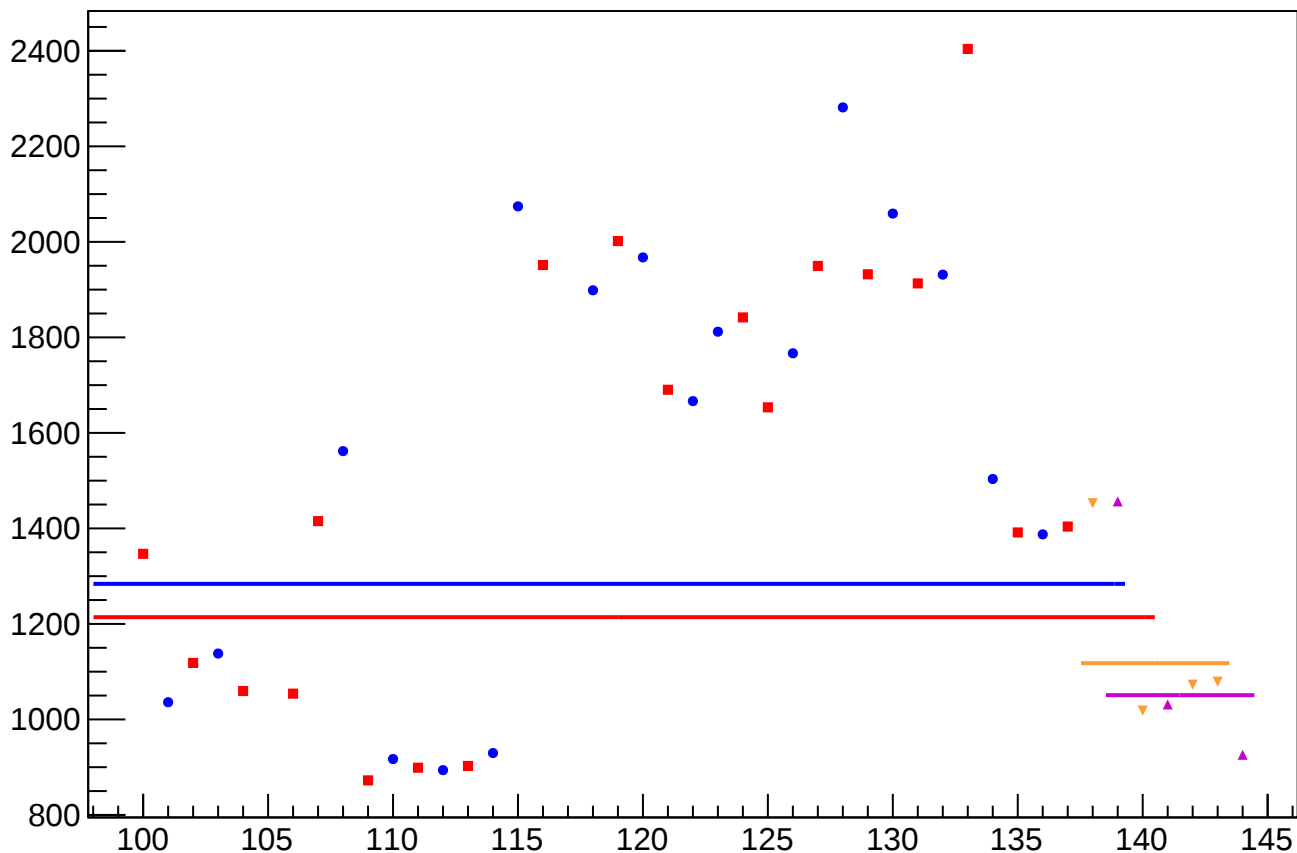
Left In: -1120.087 ± 688.517 χ^2/NDF : 1.9/2

+ sign -534.781 ± 419.706 χ^2/NDF : 34.9/20

All: -786.180 ± 287.501 χ^2/NDF : 47.5/42

- sign -1008.431 ± 394.626 χ^2/NDF : 11.9/21

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.882+/-0.371 χ^2/NDF : 1171665.2/16

Left Out: 1117.860+/-0.494 χ^2/NDF : 95091.8/3

Right Out: 1214.162+/-0.341 χ^2/NDF : 1360853.5/18

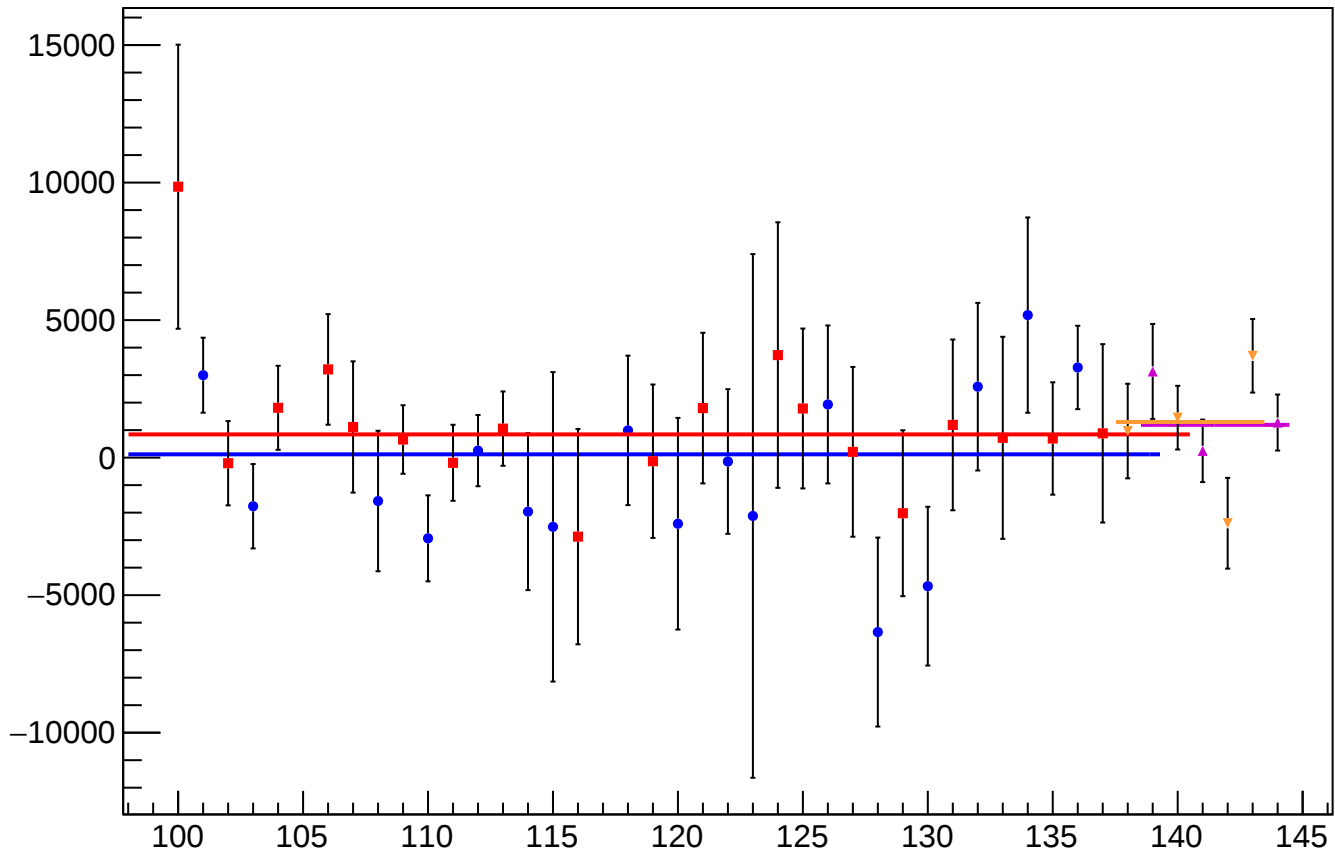
Left In: 1050.821+/-0.487 χ^2/NDF : 142852.9/2

+ sign 1224.011+/-0.297 χ^2/NDF : 1338914.1/20

All: 1190.303+/-0.203 χ^2/NDF : 2942510.0/42

- sign 1160.503+/-0.279 χ^2/NDF : 1579290.9/21

asym_sam_48_avg_mean vs Slug



Right In: 120.212 $\pm$ 528.305 χ^2 /NDF: 25.3/16

Left Out: 1295.728 $\pm$ 705.139 χ^2 /NDF: 8.3/3

Right Out: 845.039 $\pm$ 485.264 χ^2 /NDF: 8.5/18

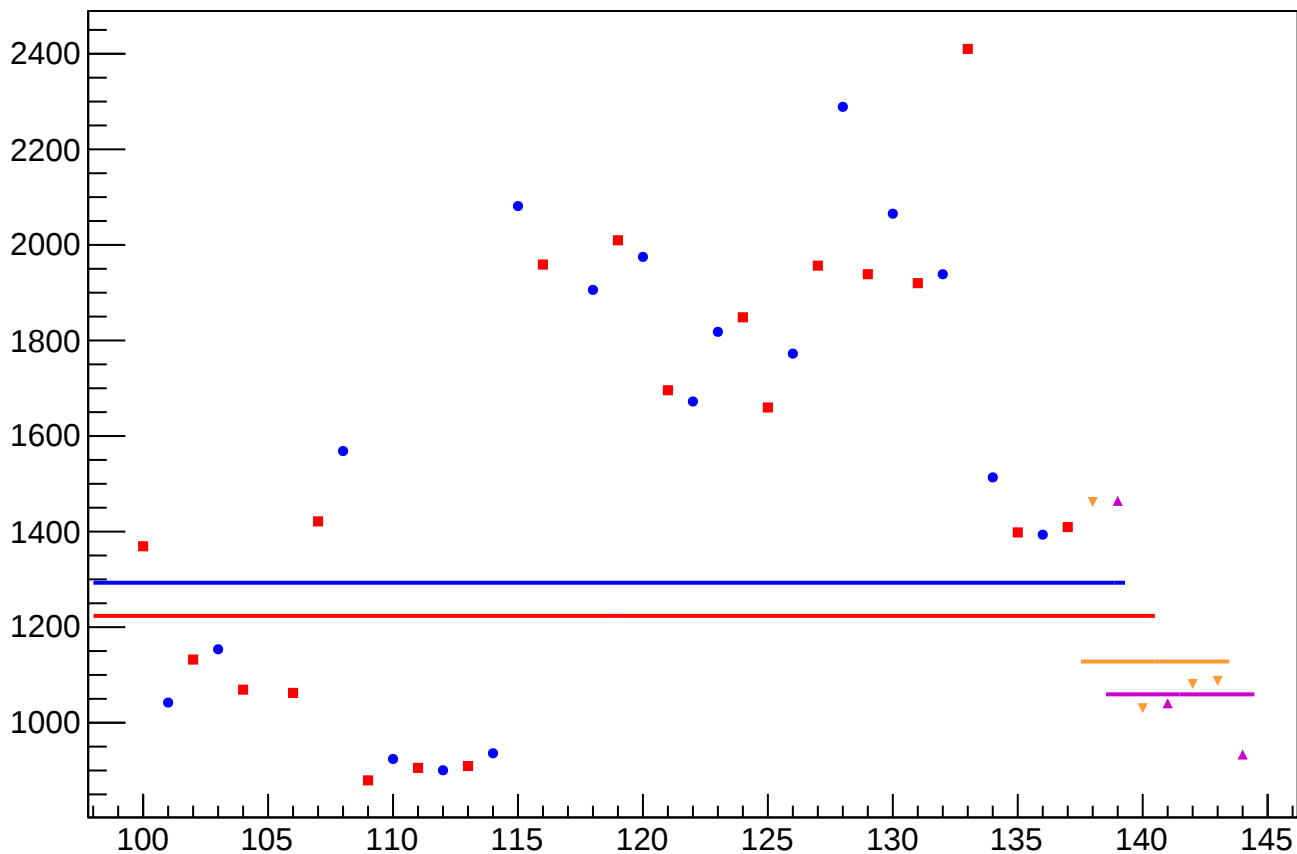
Left In: 1191.482 $\pm$ 693.974 χ^2 /NDF: 2.0/2

+ sign 542.835 $\pm$ 422.802 χ^2 /NDF: 35.4/20

All: 763.544 $\pm$ 289.678 χ^2 /NDF: 46.5/42

- sign 958.807 $\pm$ 397.683 χ^2 /NDF: 10.6/21

asym_sam_48_avg_rms vs Slug



Right In: 1292.993+/-0.374 χ^2/NDF : 1158775.5/16

Left Out: 1128.098+/-0.499 χ^2/NDF : 93099.4/3

Right Out: 1223.713+/-0.343 χ^2/NDF : 1345807.4/18

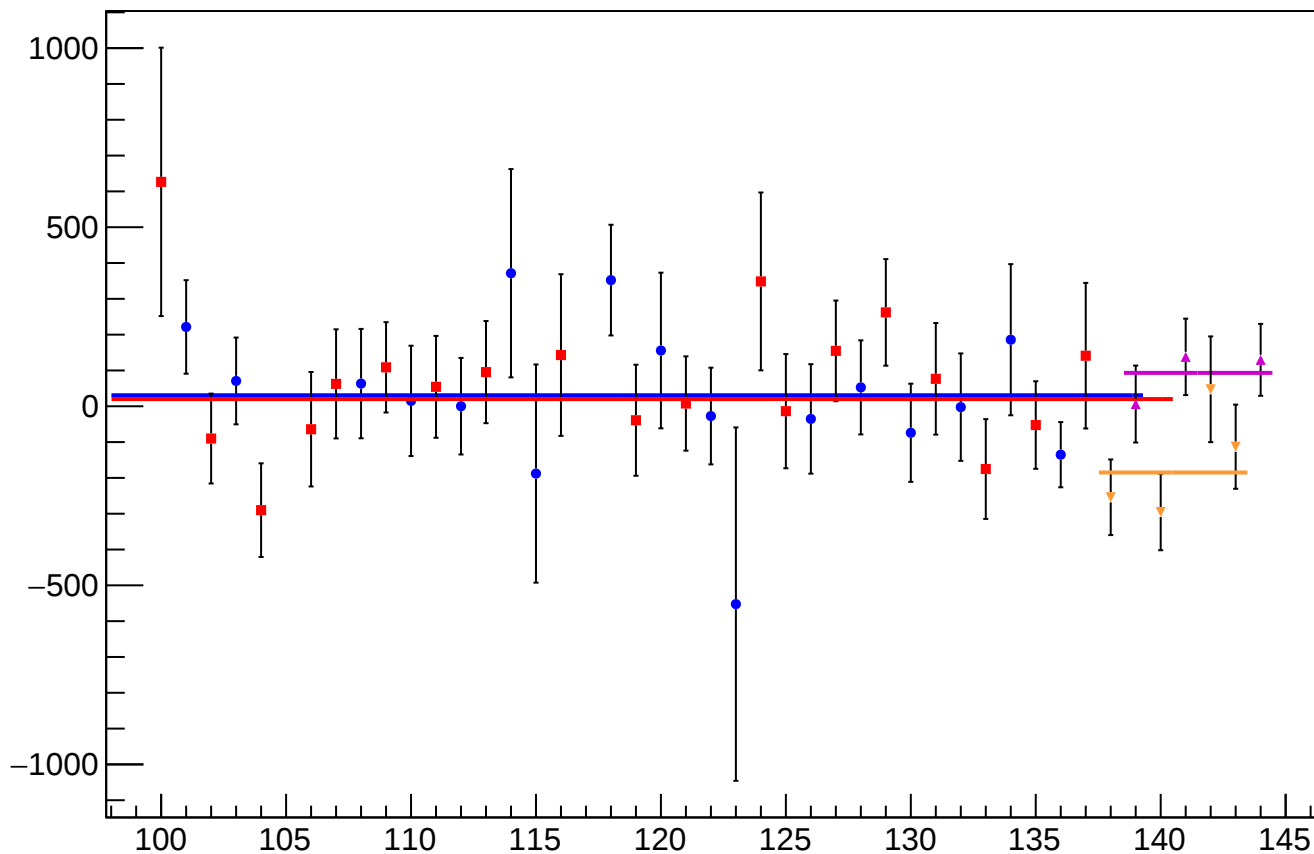
Left In: 1059.386+/-0.491 χ^2/NDF : 141236.2/2

+ sign 1233.710+/-0.299 χ^2/NDF : 1321923.8/20

All: 1199.773+/-0.205 χ^2/NDF : 2908566.9/42

- sign 1169.750+/-0.281 χ^2/NDF : 1562358.4/21

reg_asym_sam_15_dd_mean vs Slug



Right In: 30.740 $\pm$ 36.437 χ^2 /NDF: 15.2/16

Left Out: -184.936 $\pm$ 58.144 χ^2 /NDF: 4.4/3

Right Out: 20.110 $\pm$ 34.774 χ^2 /NDF: 18.8/18

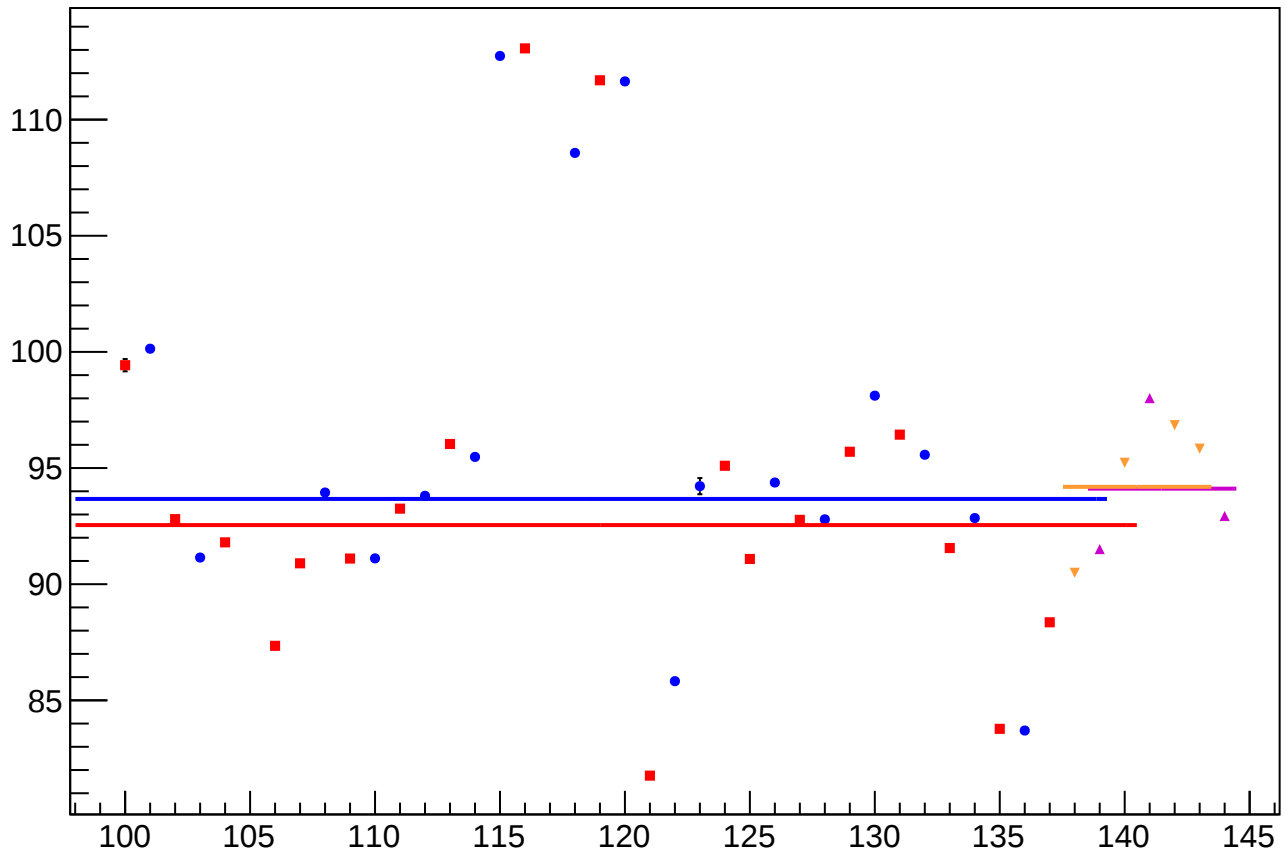
Left In: 93.226 $\pm$ 60.452 χ^2 /NDF: 1.0/2

+ sign -30.075 $\pm$ 30.875 χ^2 /NDF: 29.4/20

All: 4.927 $\pm$ 21.569 χ^2 /NDF: 52.8/42

- sign 38.289 $\pm$ 30.143 χ^2 /NDF: 20.9/21

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.670 $\pm$ 0.026 χ^2/NDF : 79871.5/16

Left Out: 94.191 $\pm$ 0.041 χ^2/NDF : 3682.4/3

Right Out: 92.545 $\pm$ 0.025 χ^2/NDF : 78872.3/18

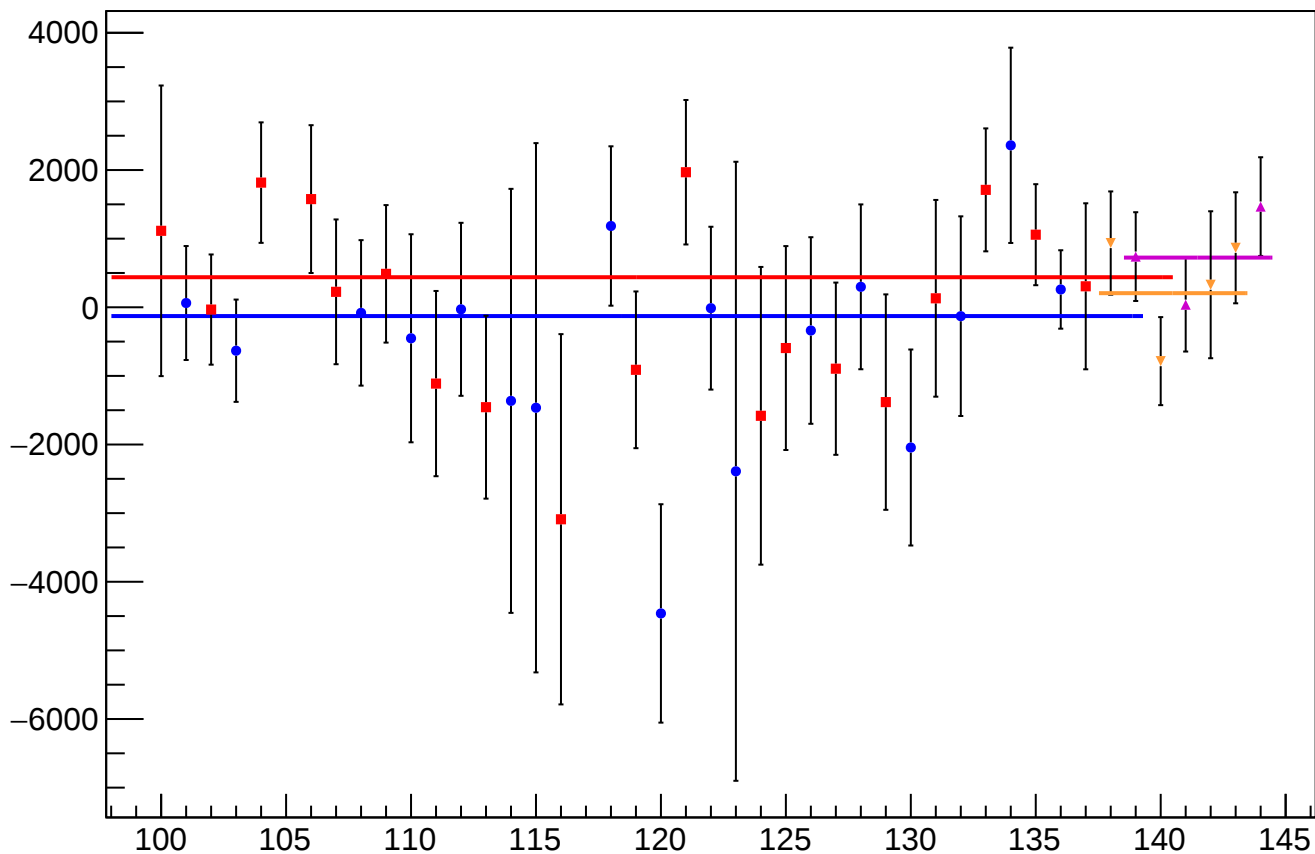
Left In: 94.113 $\pm$ 0.043 χ^2/NDF : 4116.4/2

+ sign 93.817 $\pm$ 0.022 χ^2/NDF : 83668.9/20

All: 93.365 $\pm$ 0.015 χ^2/NDF : 168505.6/42

- sign 92.935 $\pm$ 0.021 χ^2/NDF : 84000.2/21

asym_sam_15_dd_correction_mean vs Slug



Right In: -127.998 ± 277.067 χ^2/NDF : 15.3/16

Left Out: 205.662 ± 389.339 χ^2/NDF : 4.0/3

Right Out: 438.094 ± 260.694 χ^2/NDF : 19.2/18

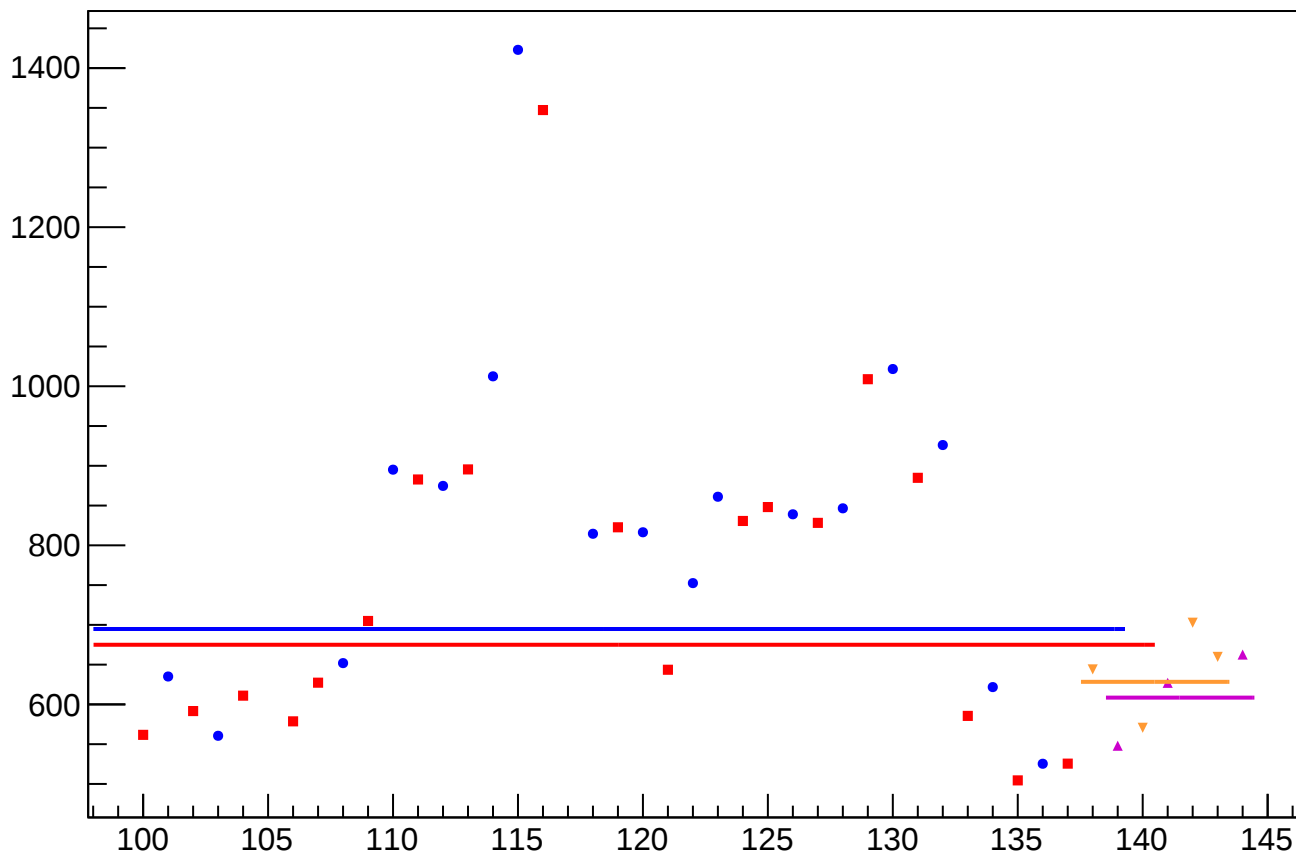
Left In: 723.962 ± 393.163 χ^2/NDF : 2.1/2

+ sign -15.829 ± 225.742 χ^2/NDF : 19.8/20

All: 265.128 ± 156.543 χ^2/NDF : 44.4/42

- sign 525.396 ± 217.271 χ^2/NDF : 21.7/21

asym_sam_15_dd_correction_rms vs Slug



Right In: 694.803 $\pm$ 0.196 χ^2/NDF : 677838.4/16

Left Out: 628.377 $\pm$ 0.275 χ^2/NDF : 29728.0/3

Right Out: 674.986 $\pm$ 0.184 χ^2/NDF : 679698.0/18

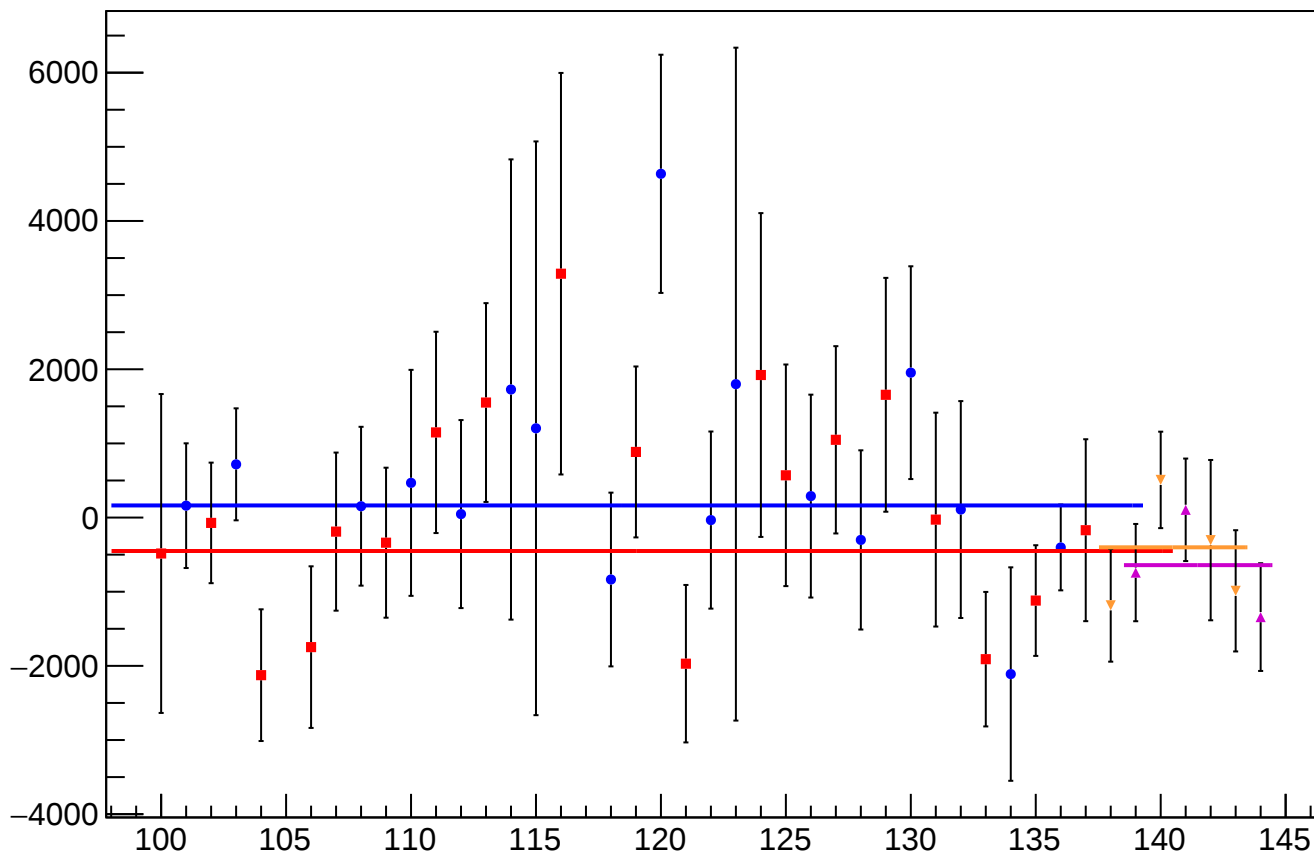
Left In: 608.528 $\pm$ 0.278 χ^2/NDF : 30306.5/2

+ sign 672.472 $\pm$ 0.160 χ^2/NDF : 746211.5/20

All: 663.241 $\pm$ 0.111 χ^2/NDF : 1502350.8/42

- sign 654.690 $\pm$ 0.154 χ^2/NDF : 749697.4/21

asym_sam_15_dd_mean vs Slug



Right In: 163.513 ± 279.836 χ^2/NDF : 14.7/16

Left Out: -401.275 ± 393.841 χ^2/NDF : 3.5/3

Right Out: -450.889 ± 263.386 χ^2/NDF : 22.5/18

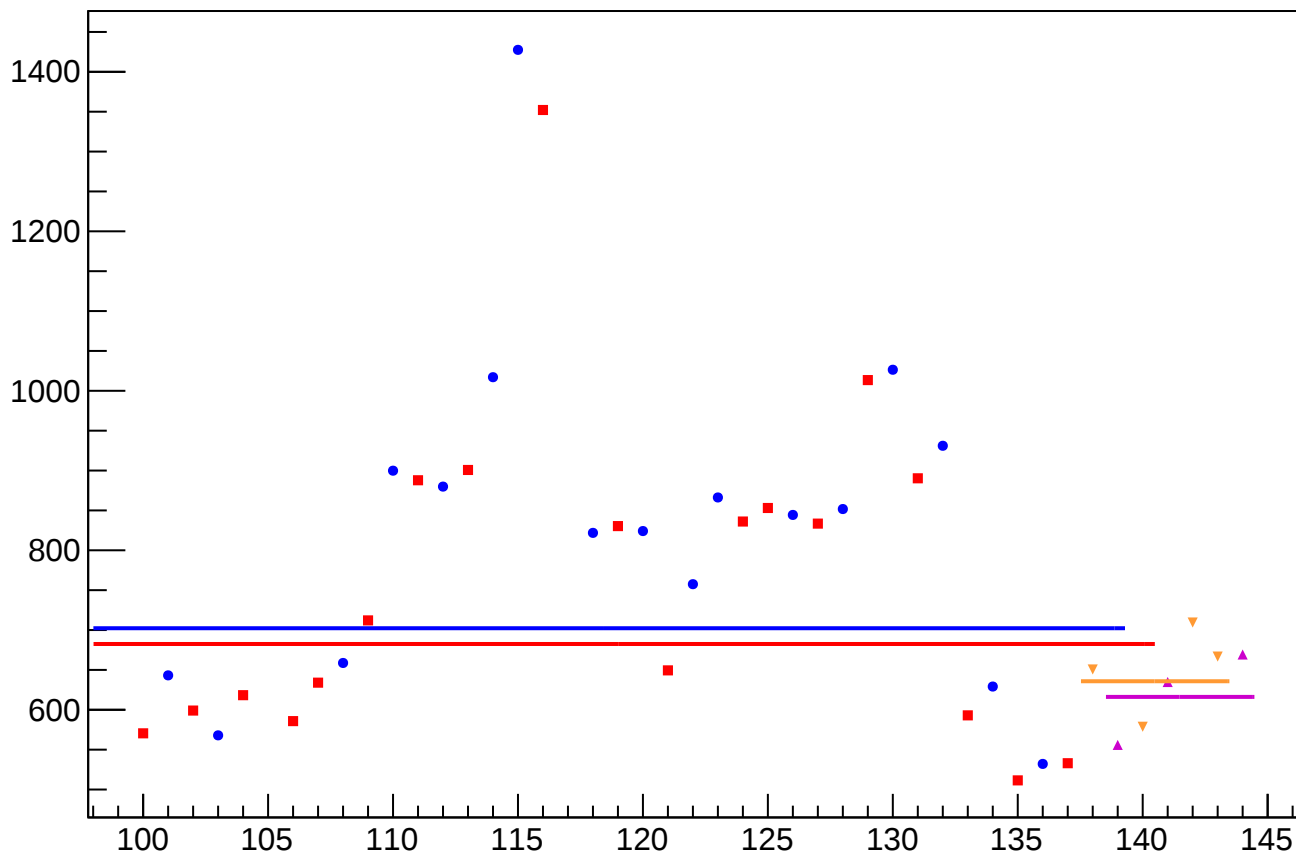
Left In: -641.532 ± 397.981 χ^2/NDF : 2.1/2

+ sign -25.964 ± 228.117 χ^2/NDF : 19.6/20

All: -276.598 ± 158.222 χ^2/NDF : 46.8/42

- sign -508.956 ± 219.642 χ^2/NDF : 24.8/21

asym_sam_15_dd_rms vs Slug



Right In: 702.265+/-0.198 χ^2/NDF : 660691.4/16

Left Out: 635.780+/-0.278 χ^2/NDF : 28294.3/3

Right Out: 682.505+/-0.186 χ^2/NDF : 662840.9/18

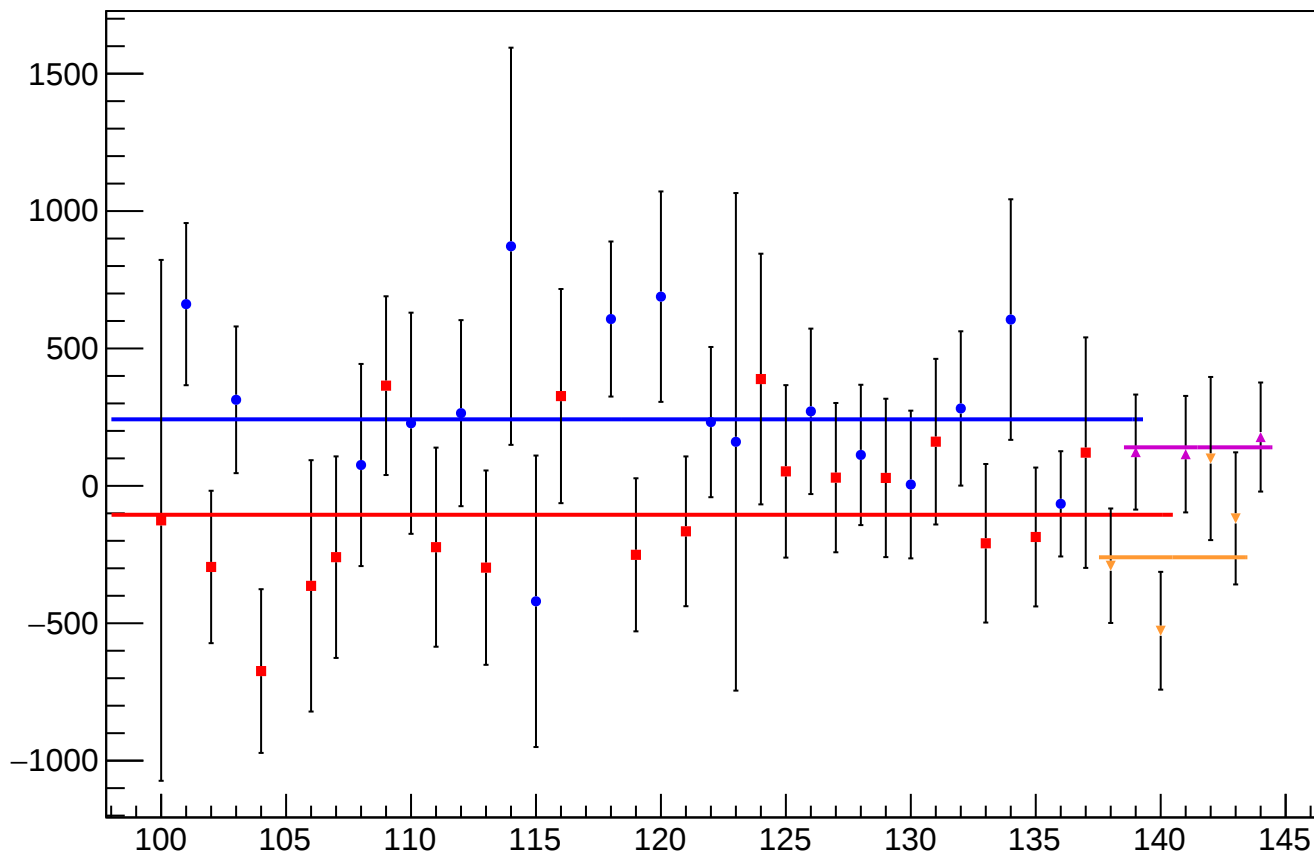
Left In: 616.156+/-0.281 χ^2/NDF : 29016.1/2

+ sign 679.961+/-0.161 χ^2/NDF : 726859.6/20

All: 670.794+/-0.112 χ^2/NDF : 1463596.8/42

- sign 662.296+/-0.155 χ^2/NDF : 730514.0/21

reg_asym_sam_26_dd_mean vs Slug



Right In: 242.121 $\pm$ 76.105 χ^2 /NDF: 12.0/16

Left Out: -259.888 $\pm$ 116.672 χ^2 /NDF: 3.4/3

Right Out: -105.190 $\pm$ 74.426 χ^2 /NDF: 11.8/18

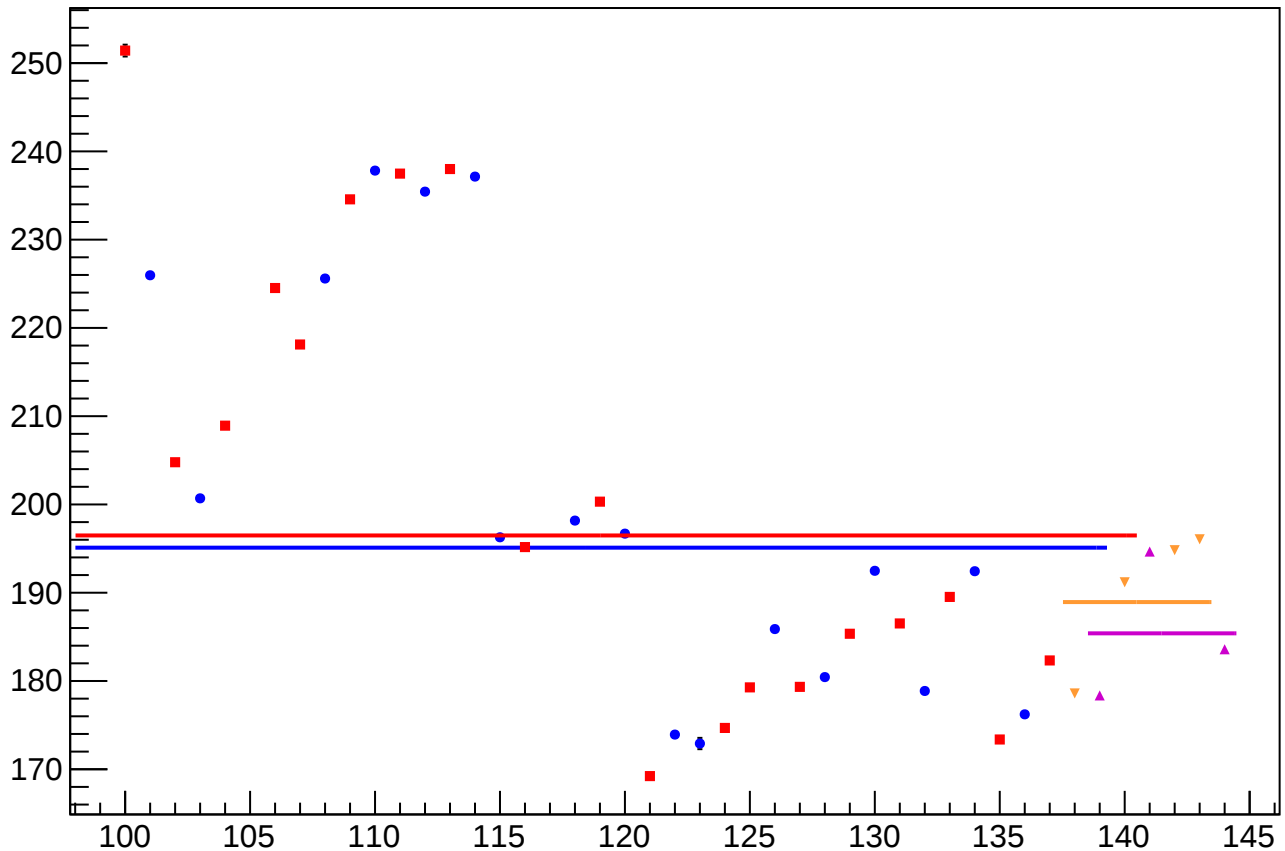
Left In: 140.266 $\pm$ 119.128 χ^2 /NDF: 0.1/2

+ sign 92.276 $\pm$ 63.743 χ^2 /NDF: 28.4/20

All: 27.367 $\pm$ 44.851 χ^2 /NDF: 45.4/42

- sign -36.280 $\pm$ 63.120 χ^2 /NDF: 15.0/21

reg_asym_sam_26_dd_rms vs Slug



Right In: 195.104 $\pm$ 0.054 χ^2 /NDF: 142538.2/16

Left Out: 188.941 $\pm$ 0.082 χ^2 /NDF: 7691.8/3

Right Out: 196.488 $\pm$ 0.053 χ^2 /NDF: 171375.7/18

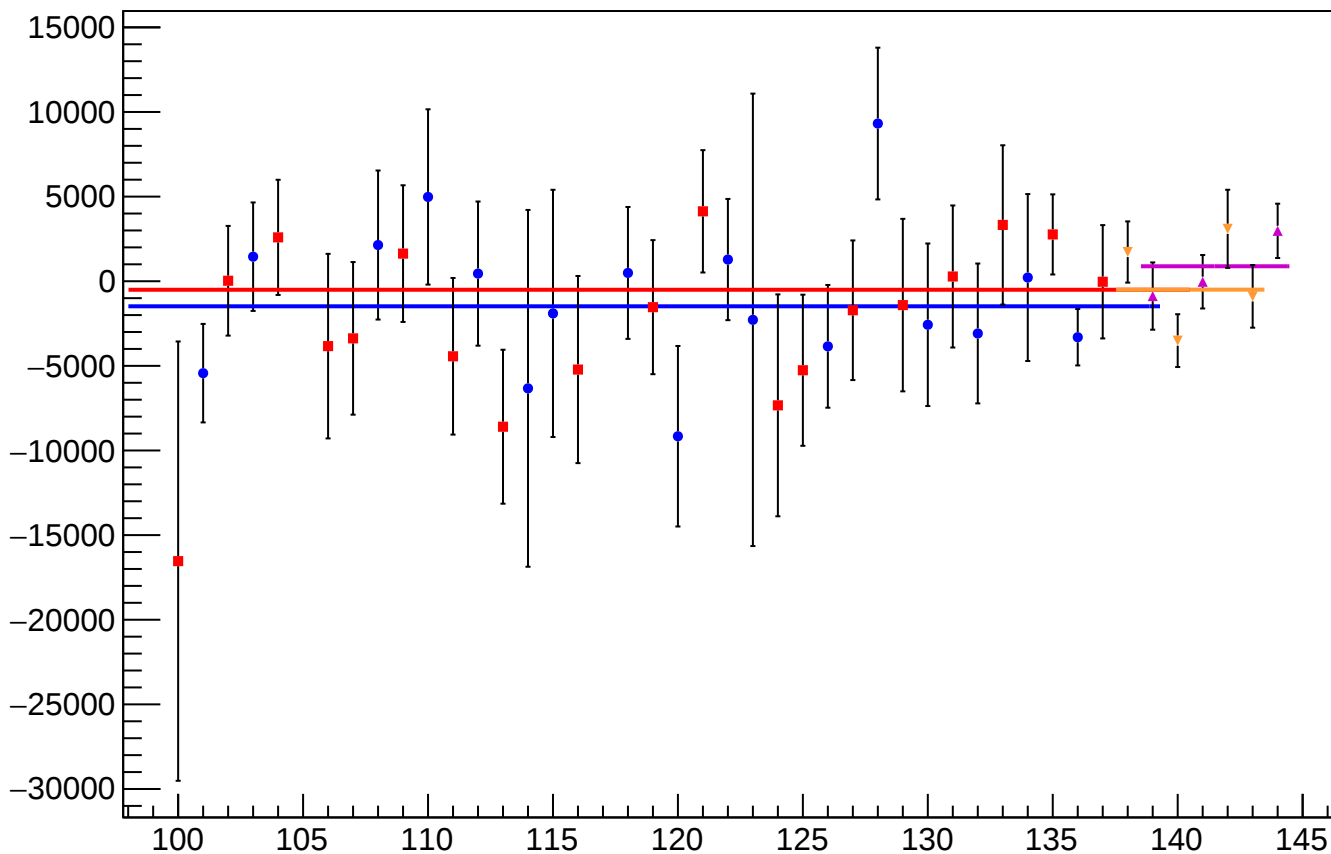
Left In: 185.398 $\pm$ 0.084 χ^2 /NDF: 6243.4/2

+ sign 193.265 $\pm$ 0.045 χ^2 /NDF: 154145.4/20

All: 193.320 $\pm$ 0.032 χ^2 /NDF: 344233.1/42

- sign 193.374 $\pm$ 0.045 χ^2 /NDF: 190084.7/21

asym_sam_26_dd_correction_mean vs Slug



Right In: -1480.760 $\pm$ 912.560 χ^2 /NDF: 16.0/16

Left Out: -496.342 $\pm$ 914.092 χ^2 /NDF: 7.7/3

Right Out: -503.732 $\pm$ 936.543 χ^2 /NDF: 14.7/18

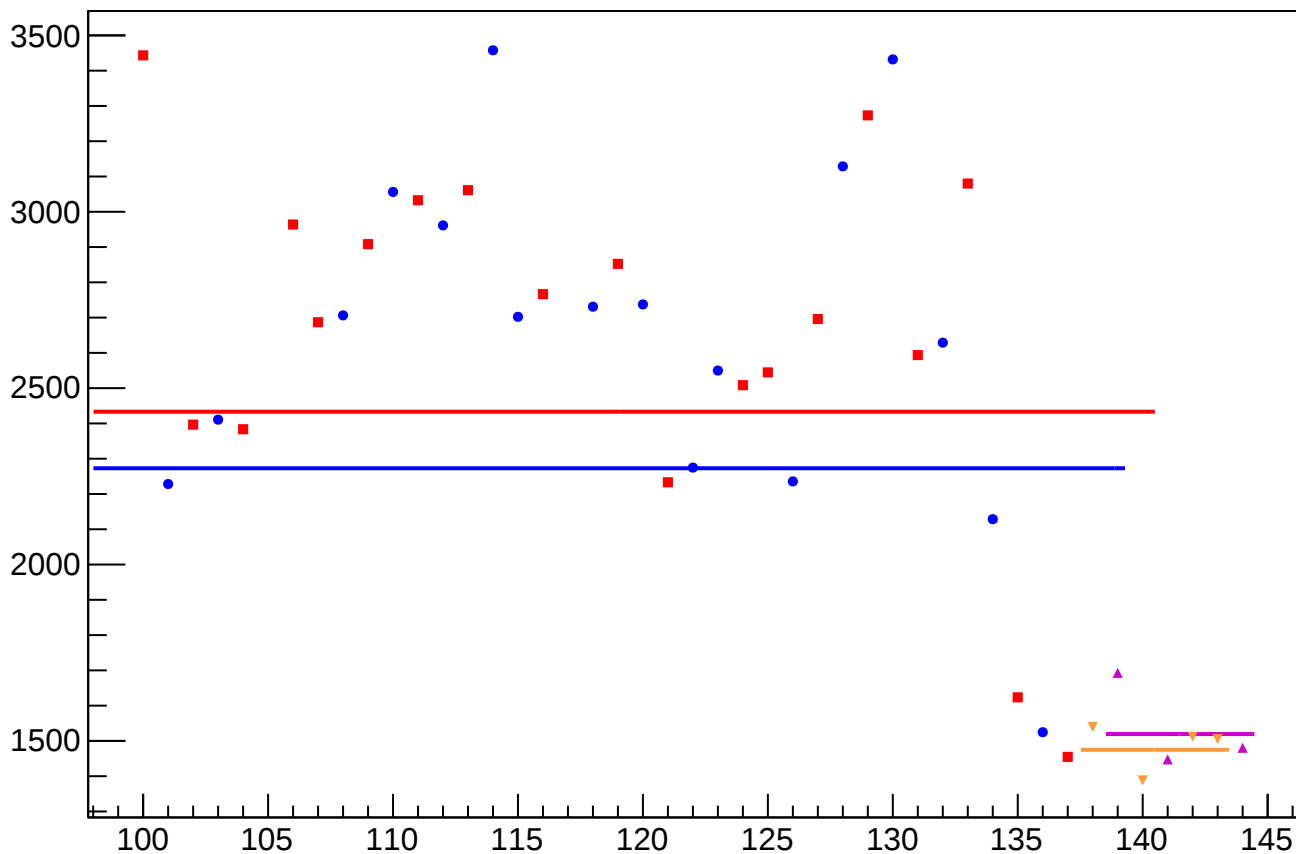
Left In: 884.089 $\pm$ 979.397 χ^2 /NDF: 2.8/2

+ sign -989.377 $\pm$ 645.818 χ^2 /NDF: 24.3/20

All: -442.068 $\pm$ 467.257 χ^2 /NDF: 44.4/42

- sign 159.152 $\pm$ 676.879 χ^2 /NDF: 18.6/21

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.950+/-0.645 χ^2/NDF : 806901.4/16

Left Out: 1474.882+/-0.646 χ^2/NDF : 9824.3/3

Right Out: 2433.249+/-0.662 χ^2/NDF : 682781.3/18

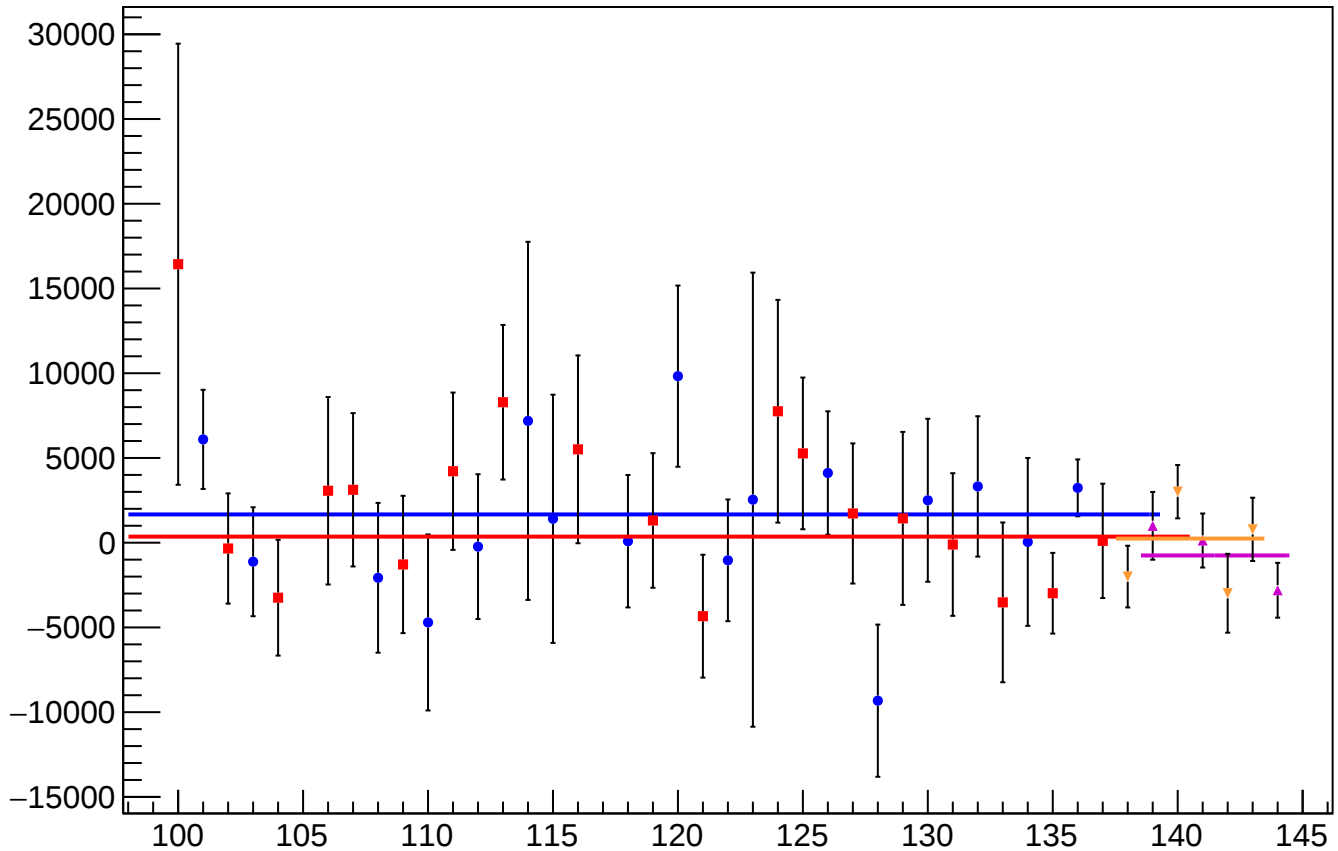
Left In: 1519.506+/-0.693 χ^2/NDF : 20557.5/2

+ sign 1874.586+/-0.457 χ^2/NDF : 1580258.9/20

All: 1932.827+/-0.330 χ^2/NDF : 3227074.9/42

- sign 1996.805+/-0.479 χ^2/NDF : 1612682.5/21

asym_sam_26_dd_mean vs Slug



Right In: 1668.629+/-916.594 χ^2/NDF : 16.4/16

Left Out: 243.772+/-921.837 χ^2/NDF : 6.6/3

Right Out: 358.685+/-940.367 χ^2/NDF : 15.1/18

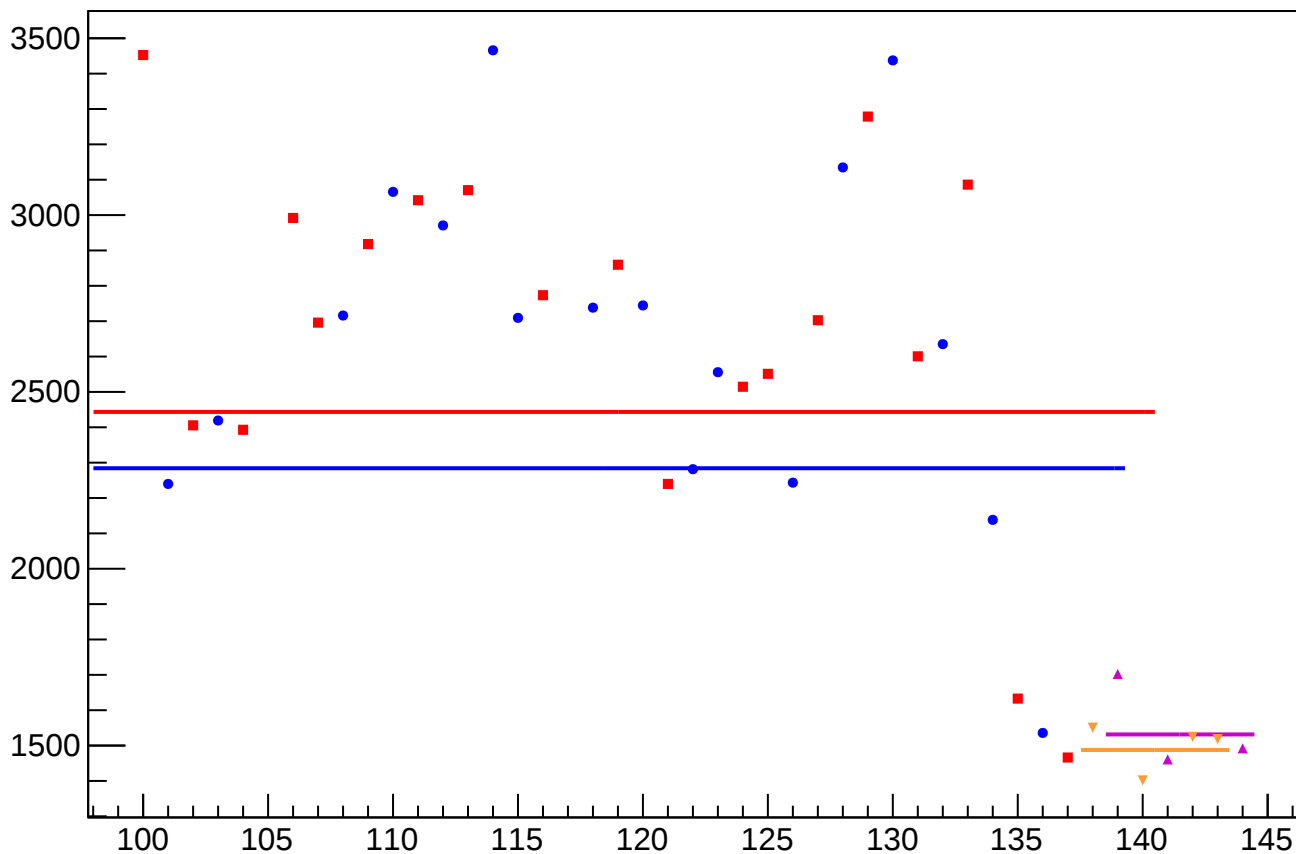
Left In: -752.907+/-986.993 χ^2/NDF : 2.7/2

+ sign 960.265+/-649.976 χ^2/NDF : 24.2/20

All: 421.208+/-470.130 χ^2/NDF : 44.1/42

- sign -170.235+/-680.827 χ^2/NDF : 18.4/21

asym_sam_26_dd_rms vs Slug



Right In: 2284.187+/-0.648 χ^2/NDF : 795230.1/16

Left Out: 1487.595+/-0.652 χ^2/NDF : 9428.7/3

Right Out: 2443.443+/-0.665 χ^2/NDF : 674891.8/18

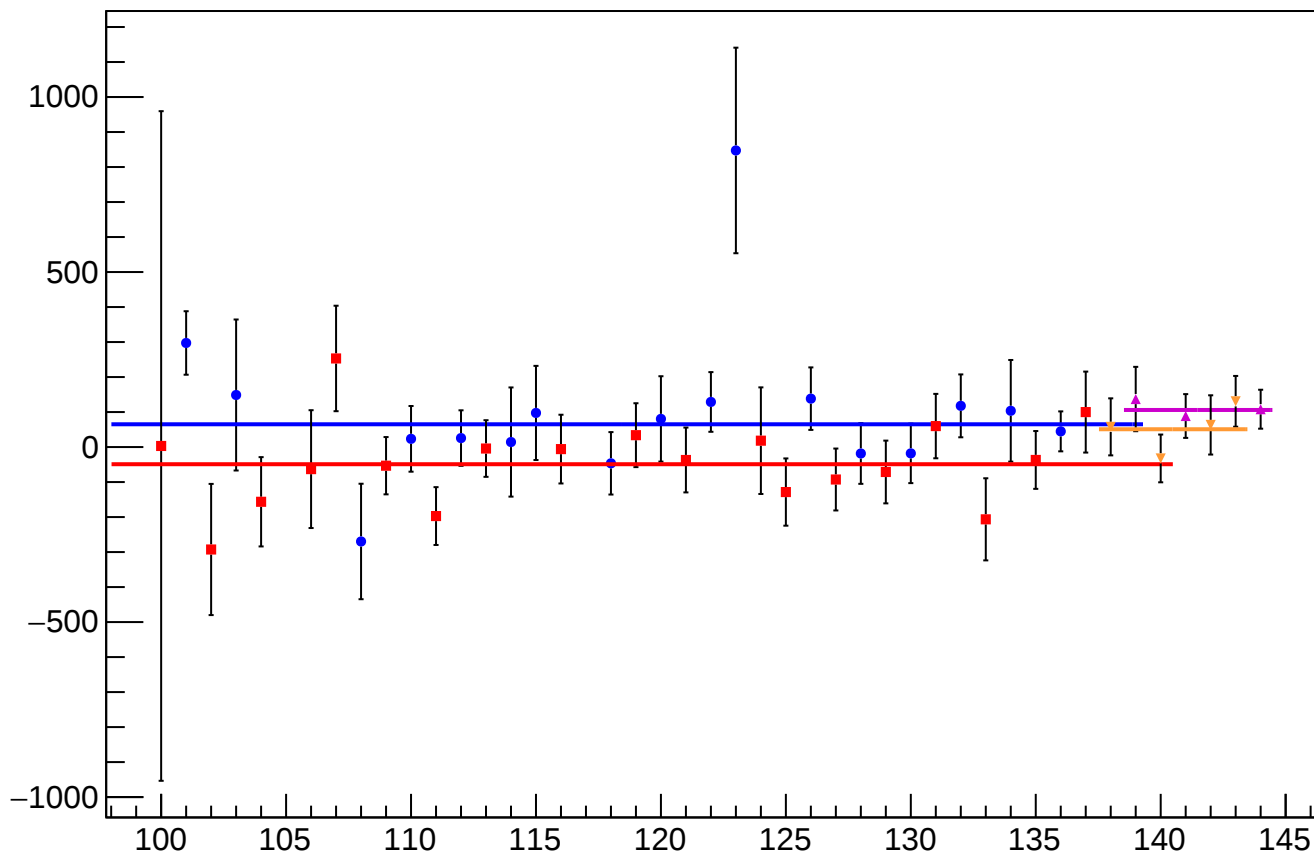
Left In: 1531.506+/-0.698 χ^2/NDF : 19720.6/2

+ sign 1888.163+/-0.460 χ^2/NDF : 1555648.3/20

All: 1946.031+/-0.332 χ^2/NDF : 3178480.3/42

- sign 2009.523+/-0.481 χ^2/NDF : 1589585.1/21

reg_asym_sam_37_dd_mean vs Slug



Right In: 65.082 $\pm$ 23.794 χ^2 /NDF: 23.8/16

Left Out: 50.883 $\pm$ 37.926 χ^2 /NDF: 2.7/3

Right Out: -49.027 $\pm$ 23.731 χ^2 /NDF: 17.1/18

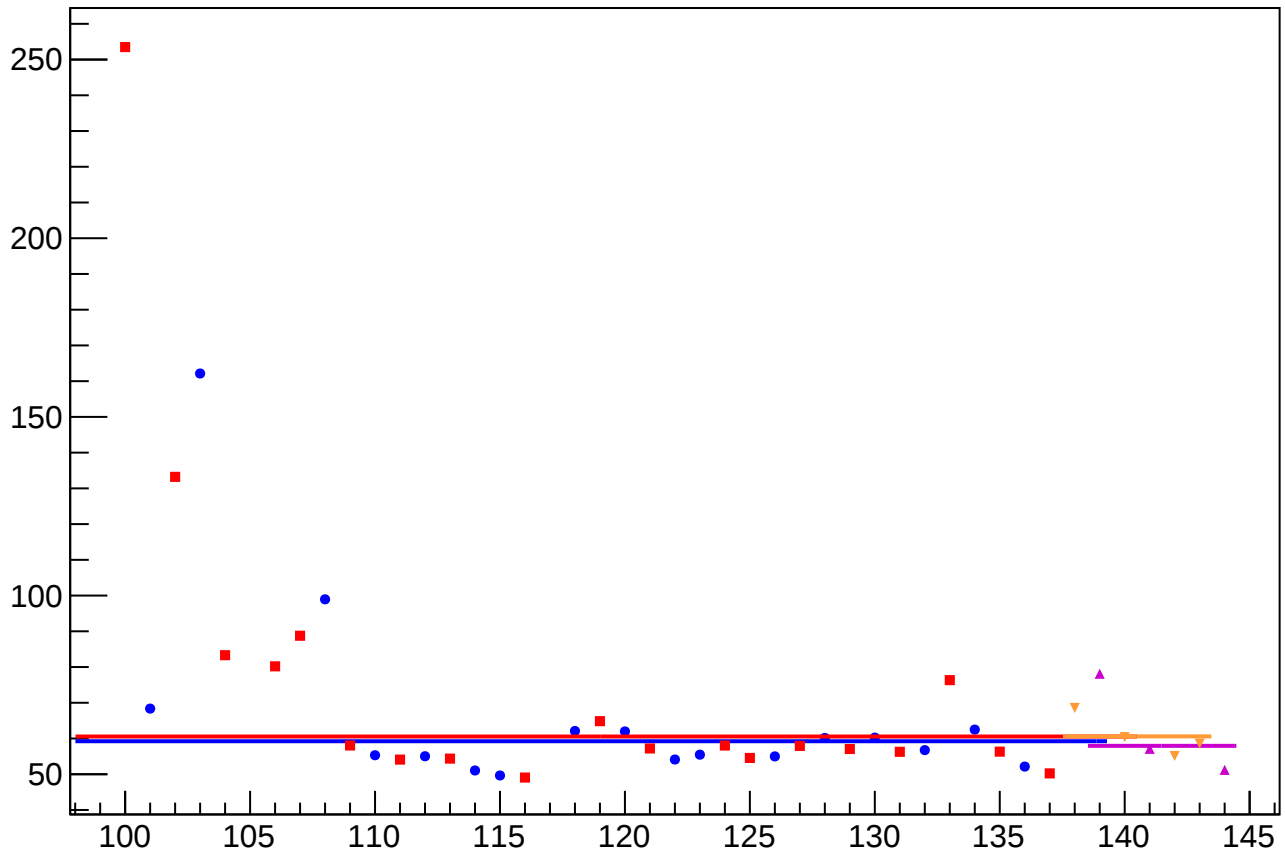
Left In: 105.933 $\pm$ 37.872 χ^2 /NDF: 0.2/2

+ sign 61.072 $\pm$ 20.155 χ^2 /NDF: 26.6/20

All: 27.792 $\pm$ 14.236 χ^2 /NDF: 61.3/42

- sign -5.337 $\pm$ 20.109 χ^2 /NDF: 29.3/21

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.236 $\pm$ 0.017 χ^2 /NDF: 665304.8/16

Left Out: 60.597 $\pm$ 0.027 χ^2 /NDF: 29100.8/3

Right Out: 60.558 $\pm$ 0.017 χ^2 /NDF: 678218.1/18

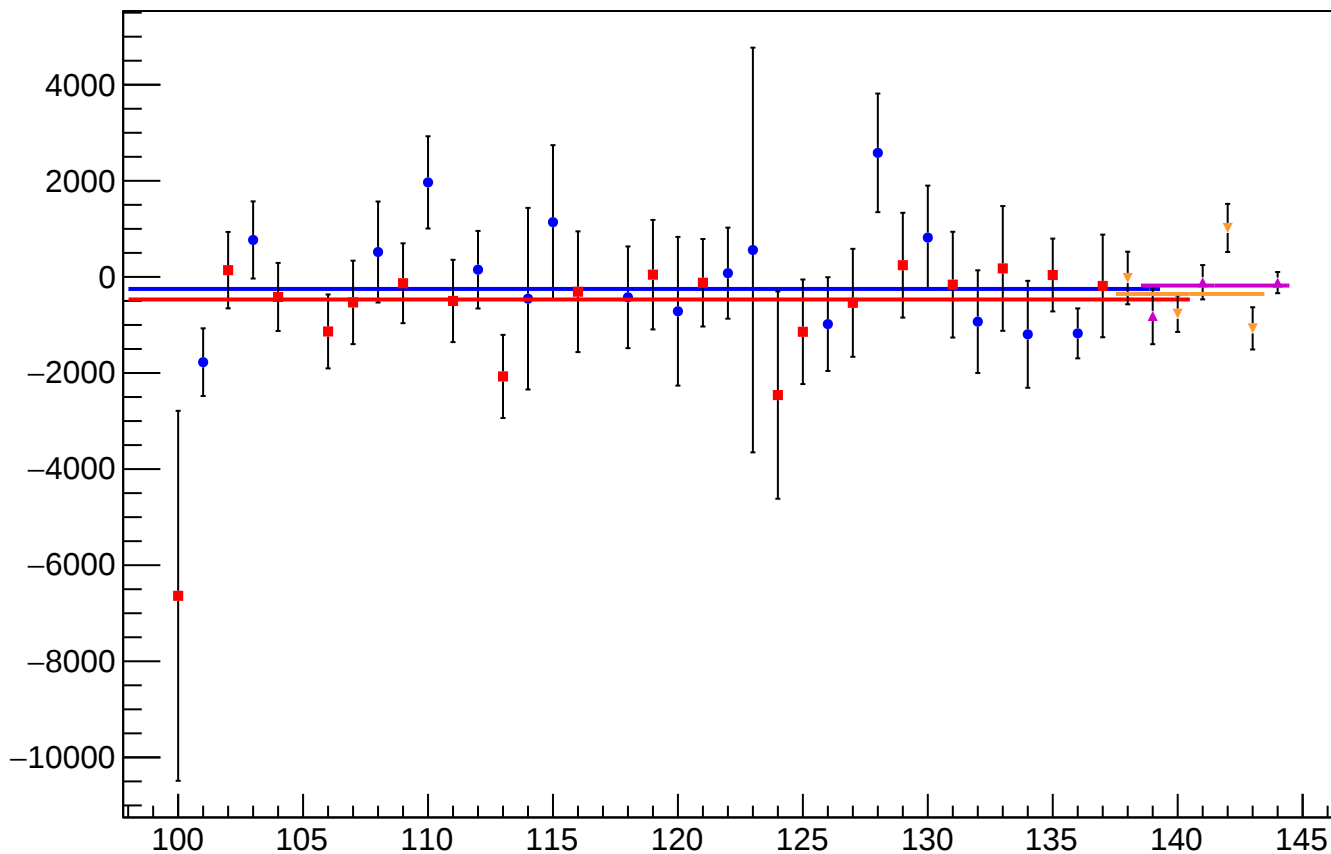
Left In: 57.948 $\pm$ 0.027 χ^2 /NDF: 125878.7/2

+ sign 59.620 $\pm$ 0.014 χ^2 /NDF: 696255.4/20

All: 59.721 $\pm$ 0.010 χ^2 /NDF: 1507273.1/42

- sign 59.822 $\pm$ 0.014 χ^2 /NDF: 810917.2/21

asym_sam_37_dd_correction_mean vs Slug



Right In: -250.295 $\pm$ 234.463 χ^2 /NDF: 24.6/16

Left Out: -353.778 $\pm$ 226.726 χ^2 /NDF: 11.7/3

Right Out: -469.693 $\pm$ 222.800 χ^2 /NDF: 10.4/18

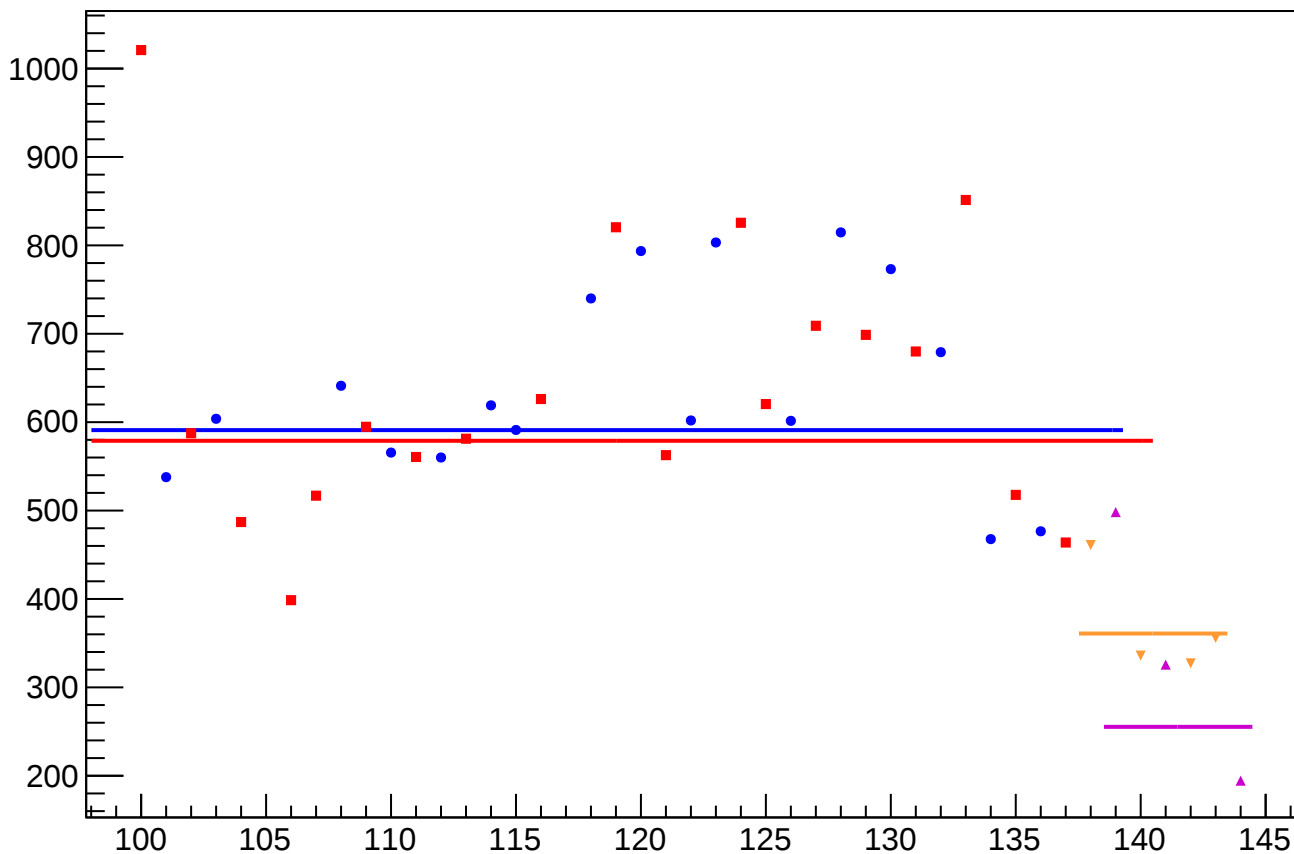
Left In: -180.188 $\pm$ 178.653 χ^2 /NDF: 1.3/2

+ sign -303.772 $\pm$ 162.986 χ^2 /NDF: 36.4/20

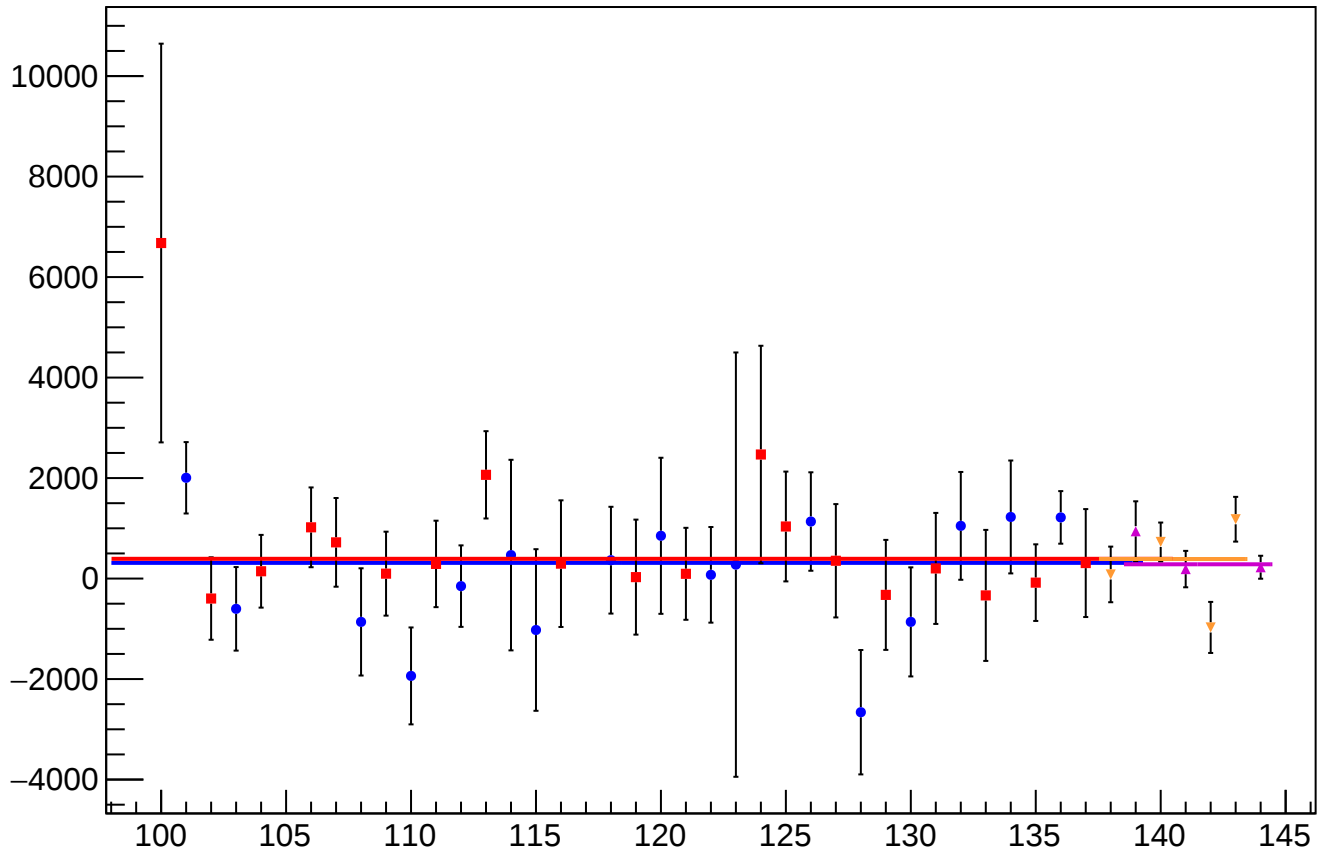
All: -297.830 $\pm$ 105.928 χ^2 /NDF: 49.1/42

- sign -293.484 $\pm$ 139.379 χ^2 /NDF: 12.7/21

asym_sam_37_dd_correction_rms vs Slug



asym_sam_37_dd_mean vs Slug



Right In: 312.362 $\pm$ 236.449 χ^2 /NDF: 26.5/16

Left Out: 389.314 $\pm$ 229.984 χ^2 /NDF: 11.4/3

Right Out: 393.265 $\pm$ 225.354 χ^2 /NDF: 10.8/18

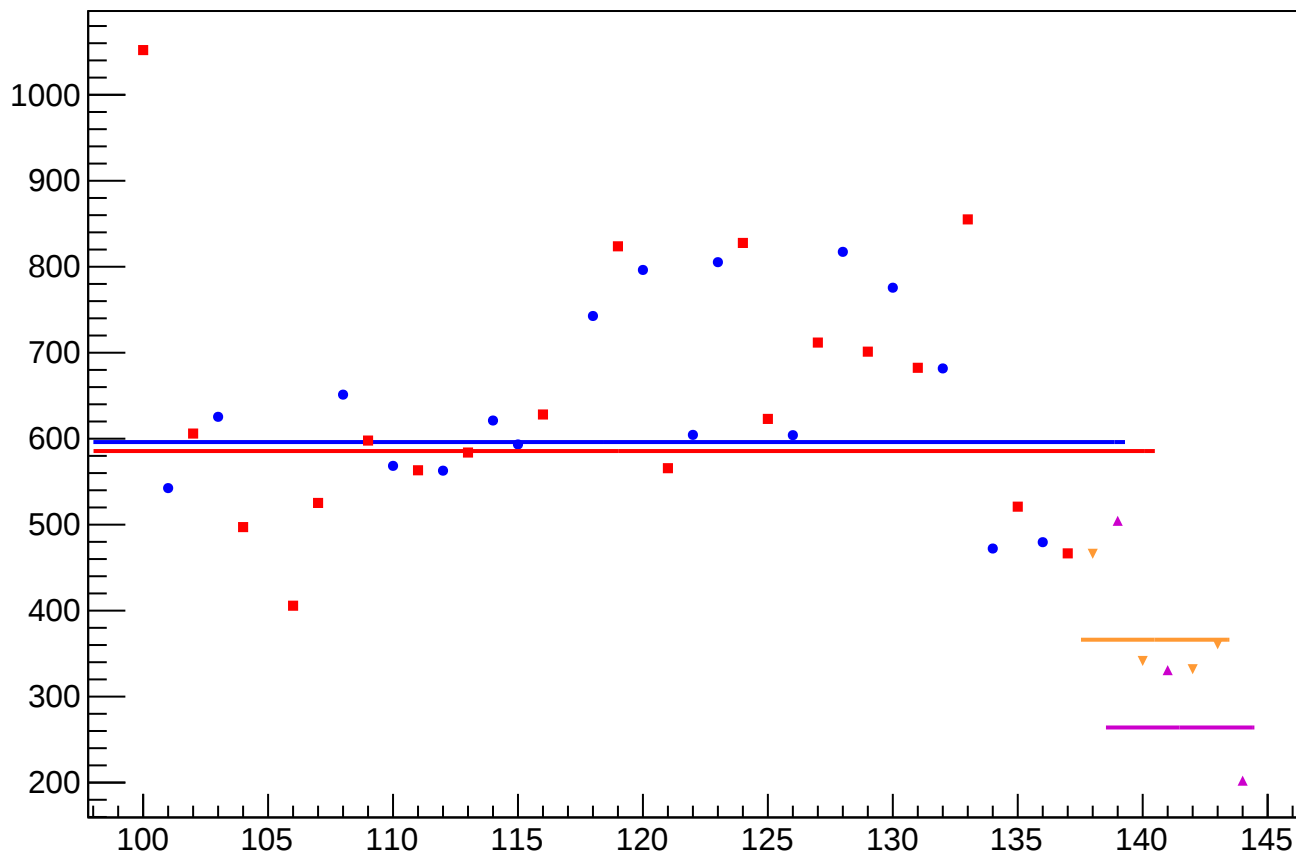
Left In: 284.060 $\pm$ 183.834 χ^2 /NDF: 1.4/2

+ sign 351.905 $\pm$ 164.861 χ^2 /NDF: 38.0/20

All: 338.043 $\pm$ 107.786 χ^2 /NDF: 50.3/42

- sign 327.695 $\pm$ 142.448 χ^2 /NDF: 12.3/21

asym_sam_37_dd_rms vs Slug



Right In: 596.086±/0.167 χ^2/NDF : 355935.3/16

Left Out: 366.172±/0.163 χ^2/NDF :82847.2/3

Right Out: 585.628±/0.159 χ^2/NDF : 476874.8/18

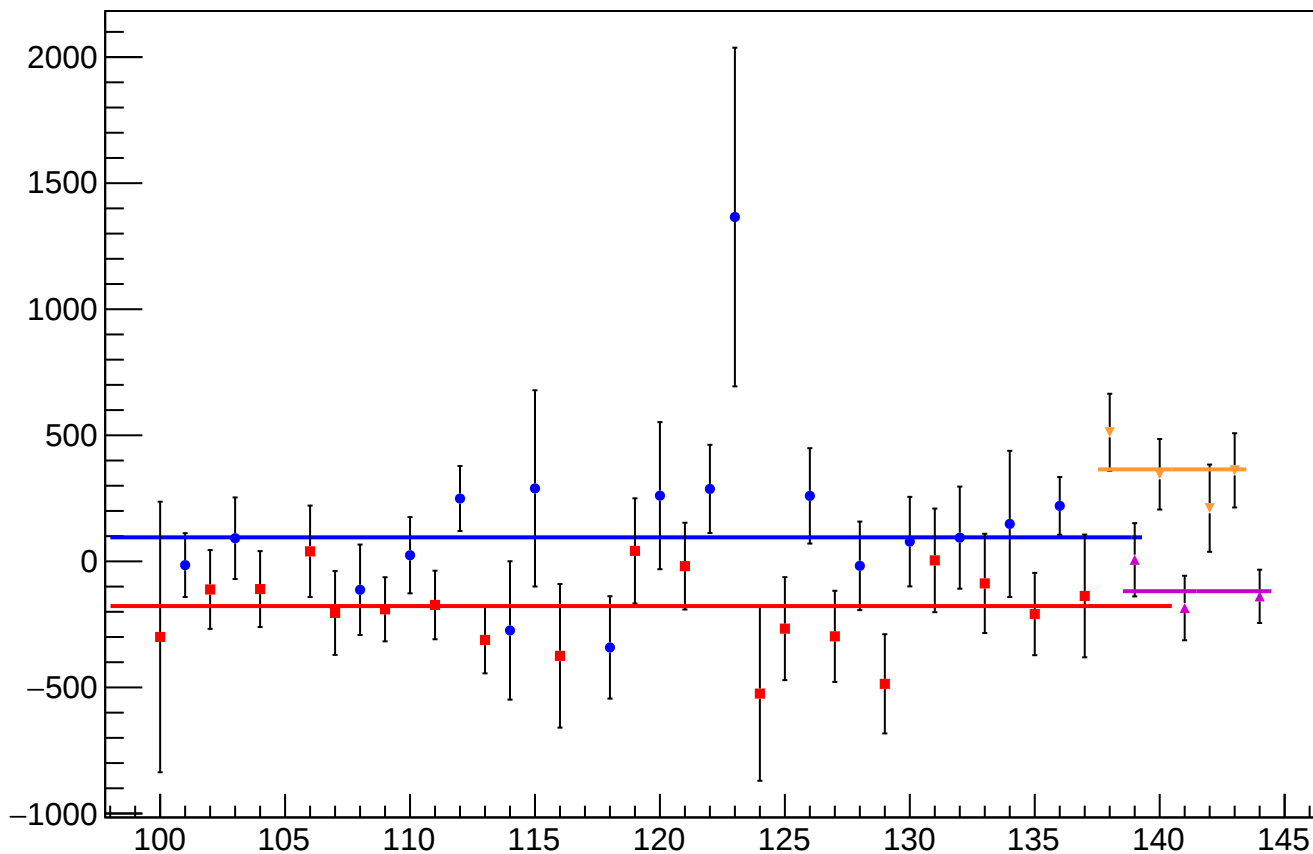
Left In: 264.076±/0.130 χ^2/NDF :539842.1/2

+ sign 477.943±/0.117 χ^2/NDF : 1410470.6/20

All: 429.055±/0.076 χ^2/NDF : 5179309.6/42

- sign 392.557±/0.101 χ^2/NDF : 3461668.3/21

reg_asym_sam_48_dd_mean vs Slug



Right In: 95.316+/-43.397 χ^2/NDF : 17.9/16

Left Out: 364.833+/-75.919 χ^2/NDF : 1.7/3

Right Out: -177.269+/-41.181 χ^2/NDF : 10.5/18

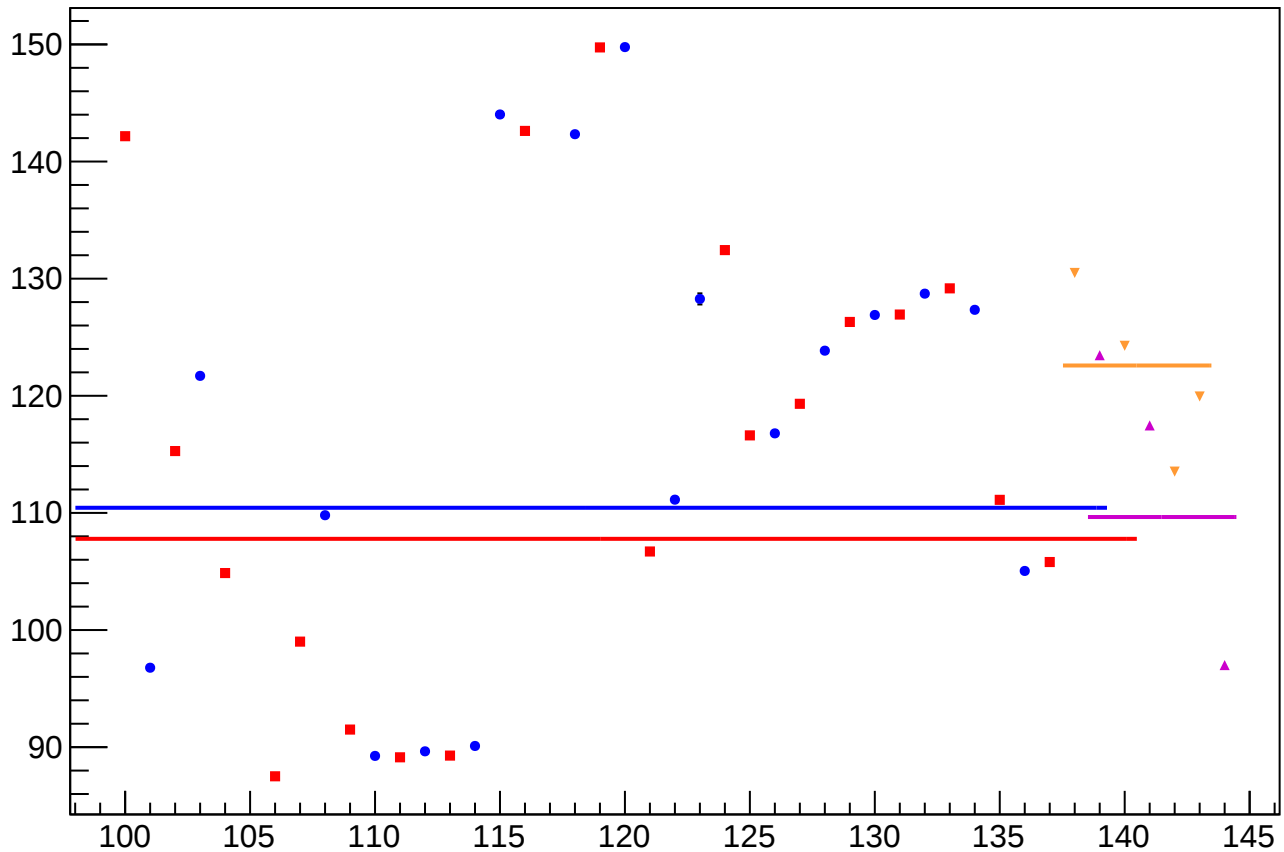
Left In: -118.306+/-71.062 χ^2/NDF : 1.0/2

+ sign 161.692+/-37.676 χ^2/NDF : 29.2/20

All: -9.412+/-25.887 χ^2/NDF : 80.3/42

- sign -162.446+/-35.631 χ^2/NDF : 12.1/21

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.439 $\pm$ 0.031 χ^2 /NDF: 296029.7/16

Left Out: 122.586 $\pm$ 0.054 χ^2 /NDF:11769.8/3

Right Out: 107.787 $\pm$ 0.029 χ^2 /NDF: 346139.4/18

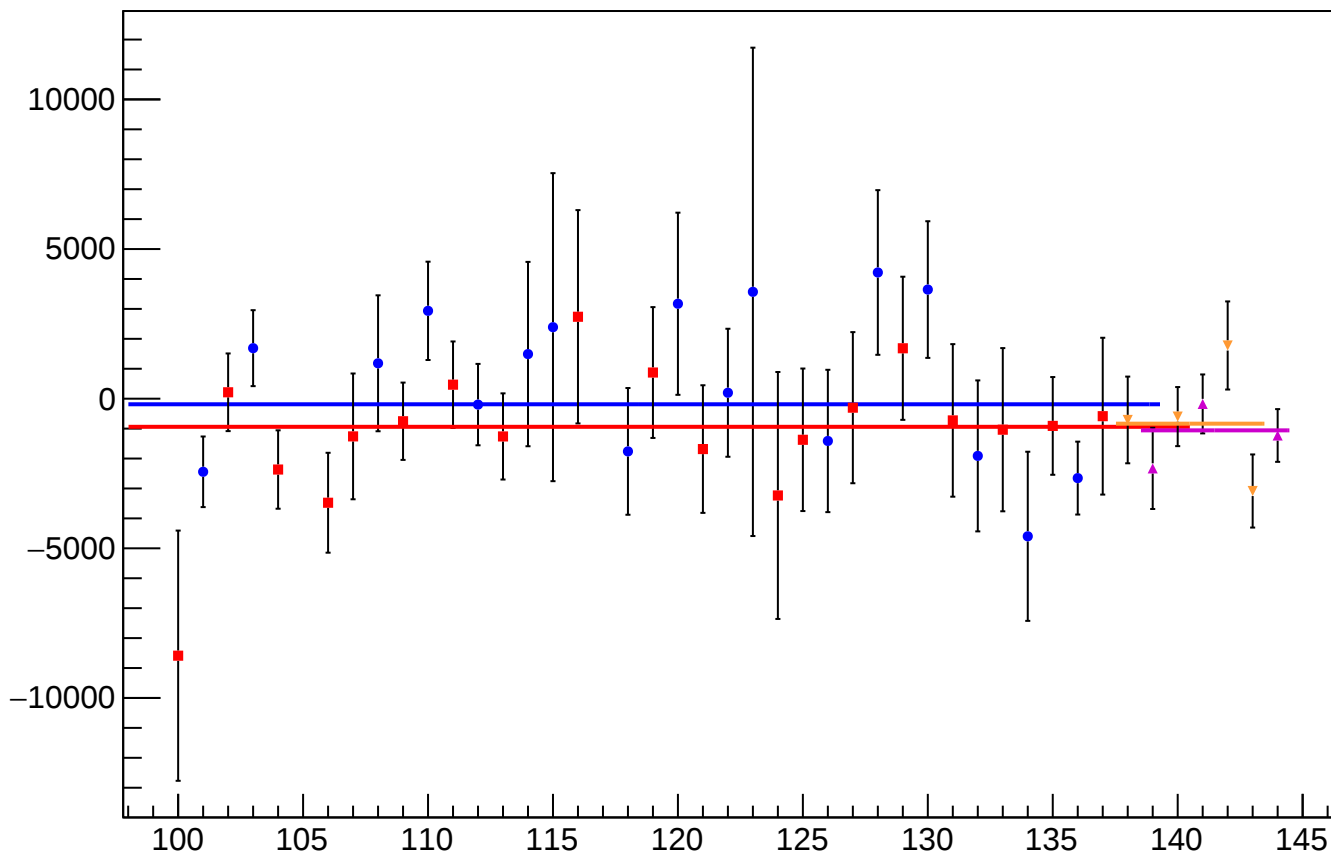
Left In: 109.649 $\pm$ 0.050 χ^2 /NDF:54189.7/2

+ sign 113.431 $\pm$ 0.027 χ^2 /NDF: 346389.2/20

All: 110.699 $\pm$ 0.018 χ^2 /NDF: 767671.2/42

- sign 108.255 $\pm$ 0.025 χ^2 /NDF: 401357.4/21

asym_sam_48_dd_correction_mean vs Slug



Right In: -186.780+/-465.749 χ^2/NDF : 25.0/16

Left Out: -834.881+/-616.119 χ^2/NDF : 6.6/3

Right Out: -939.774+/-435.810 χ^2/NDF : 12.2/18

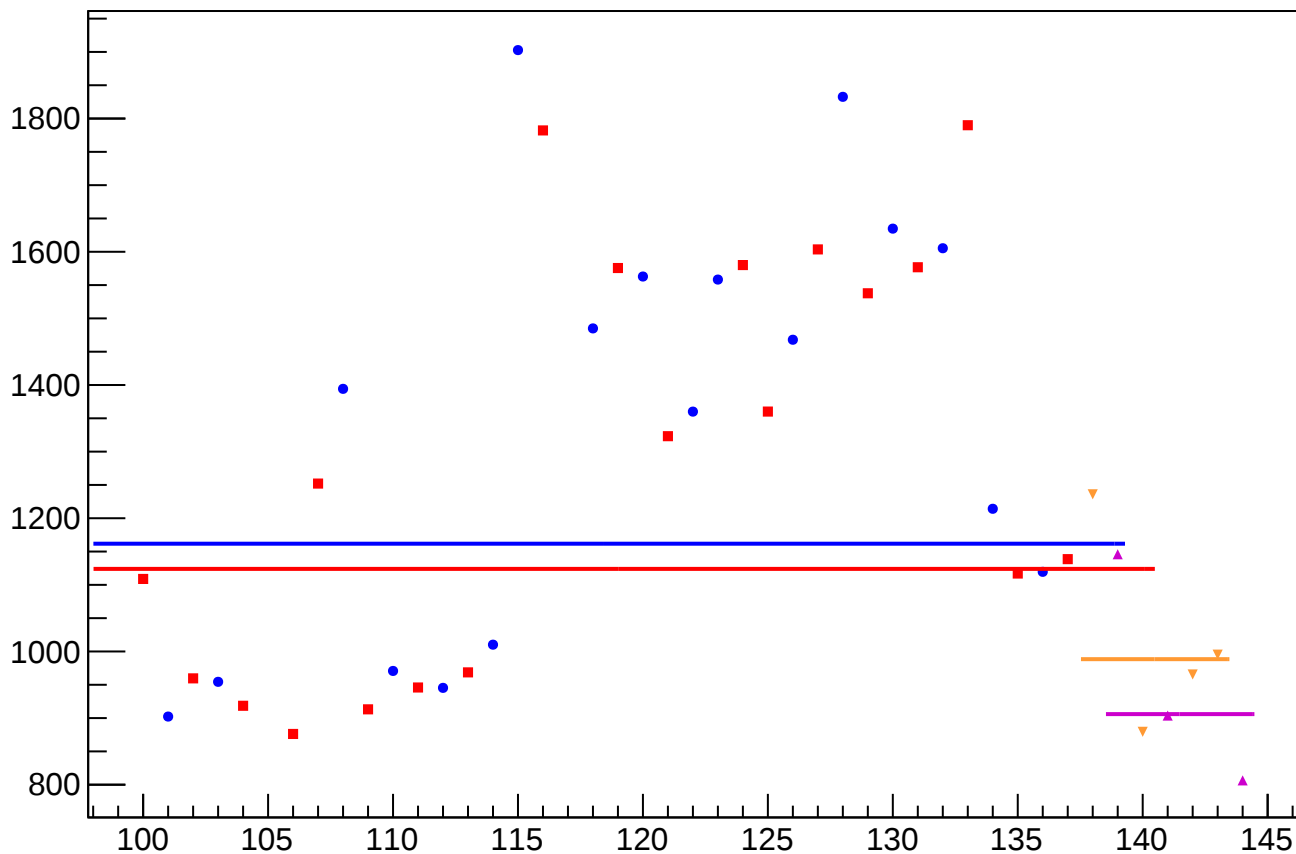
Left In: -1058.437+/-591.032 χ^2/NDF : 1.7/2

+ sign -422.457+/-371.537 χ^2/NDF : 32.3/20

All: -718.080+/-255.055 χ^2/NDF : 47.5/42

- sign -981.568+/-350.763 χ^2/NDF : 13.9/21

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.775 $\pm$ 0.329 χ^2 /NDF: 701230.3/16

Left Out: 988.447 $\pm$ 0.436 χ^2 /NDF: 83338.4/3

+ sign 1098.745 $\pm$ 0.263 χ^2 /NDF: 885293.4/20

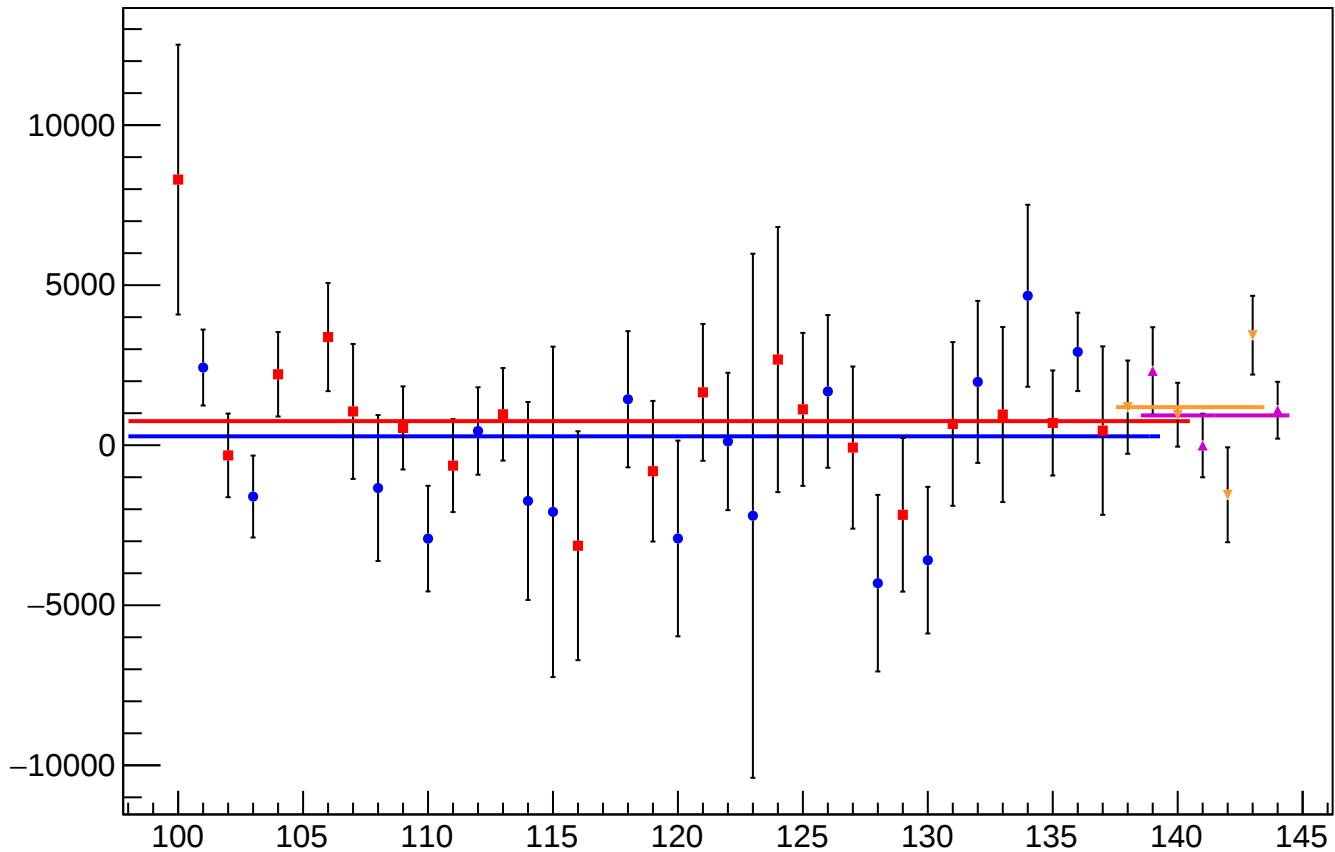
Right Out: 1123.975 $\pm$ 0.308 χ^2 /NDF: 769570.1/18

All: 1071.486 $\pm$ 0.180 χ^2 /NDF: 1939591.8/42

- sign 1047.190 $\pm$ 0.248 χ^2 /NDF: 1033936.7/21

Left In: 905.968 $\pm$ 0.418 χ^2 /NDF: 88096.4/2

asym_sam_48_dd_mean vs Slug



Right In: 277.871 $\pm$ 468.037 χ^2 /NDF: 25.3/16

Left Out: 1189.599 $\pm$ 621.082 χ^2 /NDF: 6.8/3

Right Out: 752.527 $\pm$ 438.192 χ^2 /NDF: 12.2/18

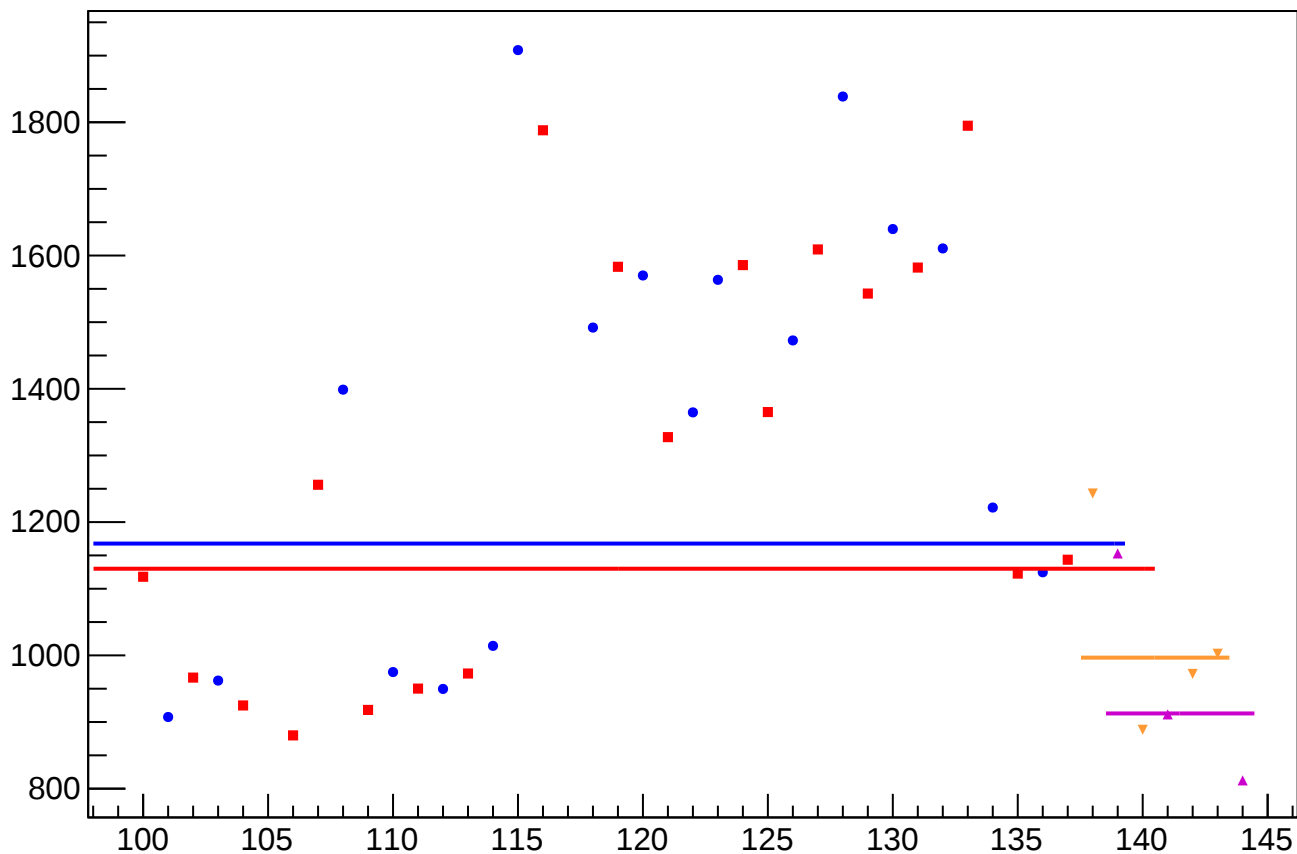
Left In: 930.947 $\pm$ 595.451 χ^2 /NDF: 2.0/2

+ sign 608.098 $\pm$ 373.786 χ^2 /NDF: 33.5/20

All: 717.591 $\pm$ 256.615 χ^2 /NDF: 47.9/42

- sign 815.206 $\pm$ 352.928 χ^2 /NDF: 14.3/21

asym_sam_48_dd_rms vs Slug



Right In: 1167.786+/-0.331 χ^2/NDF : 695715.2/16

Left Out: 996.616+/-0.439 χ^2/NDF : 81342.4/3

Right Out: 1130.045+/-0.310 χ^2/NDF : 763293.9/18

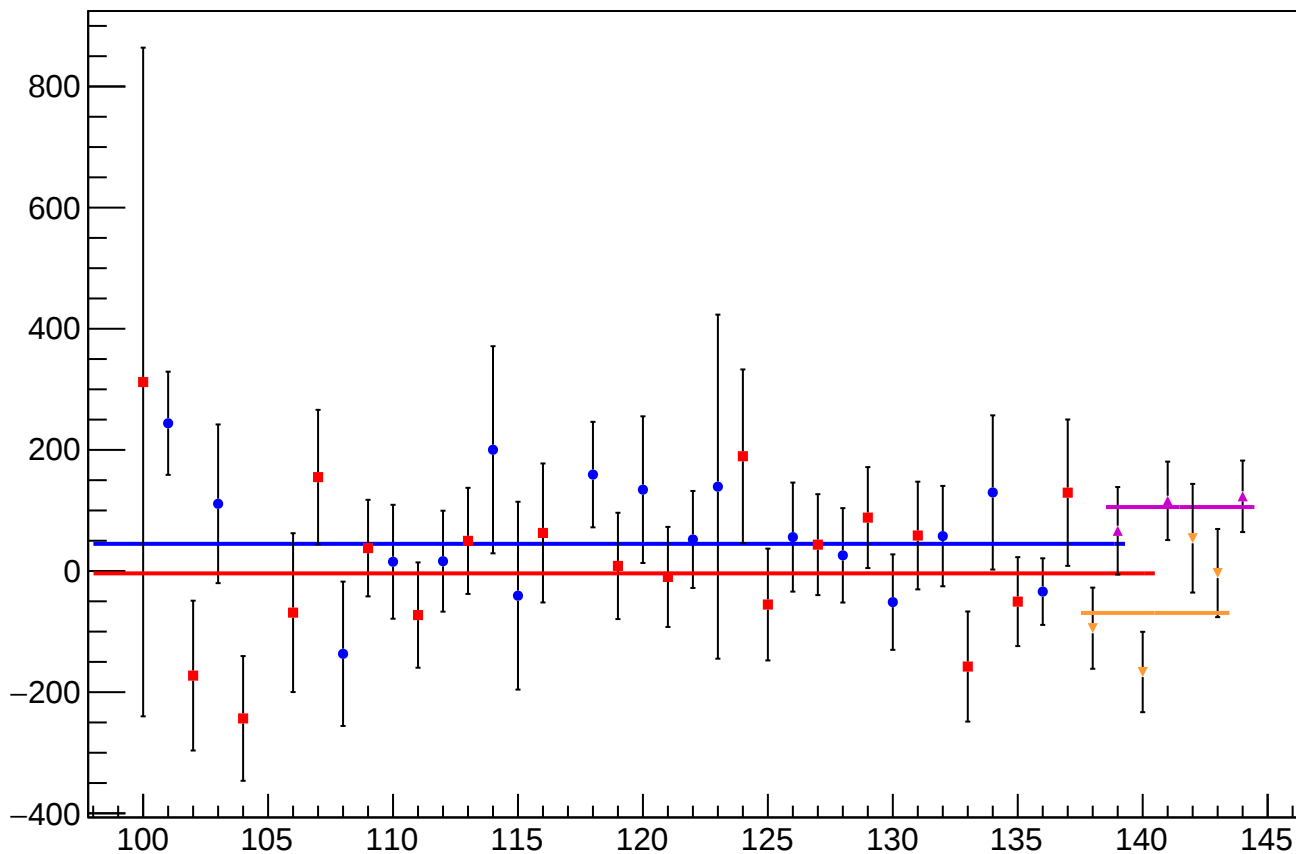
Left In: 912.870+/-0.421 χ^2/NDF : 87533.8/2

+ sign 1105.788+/-0.264 χ^2/NDF : 873946.7/20

All: 1078.277+/-0.181 χ^2/NDF : 1917852.0/42

- sign 1053.751+/-0.250 χ^2/NDF : 1023412.2/21

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 44.919 $\pm$ 22.614 χ^2 /NDF: 15.9/16

Left Out: -69.183 $\pm$ 36.204 χ^2 /NDF: 5.0/3

Right Out: -3.849 $\pm$ 22.193 χ^2 /NDF: 20.2/18

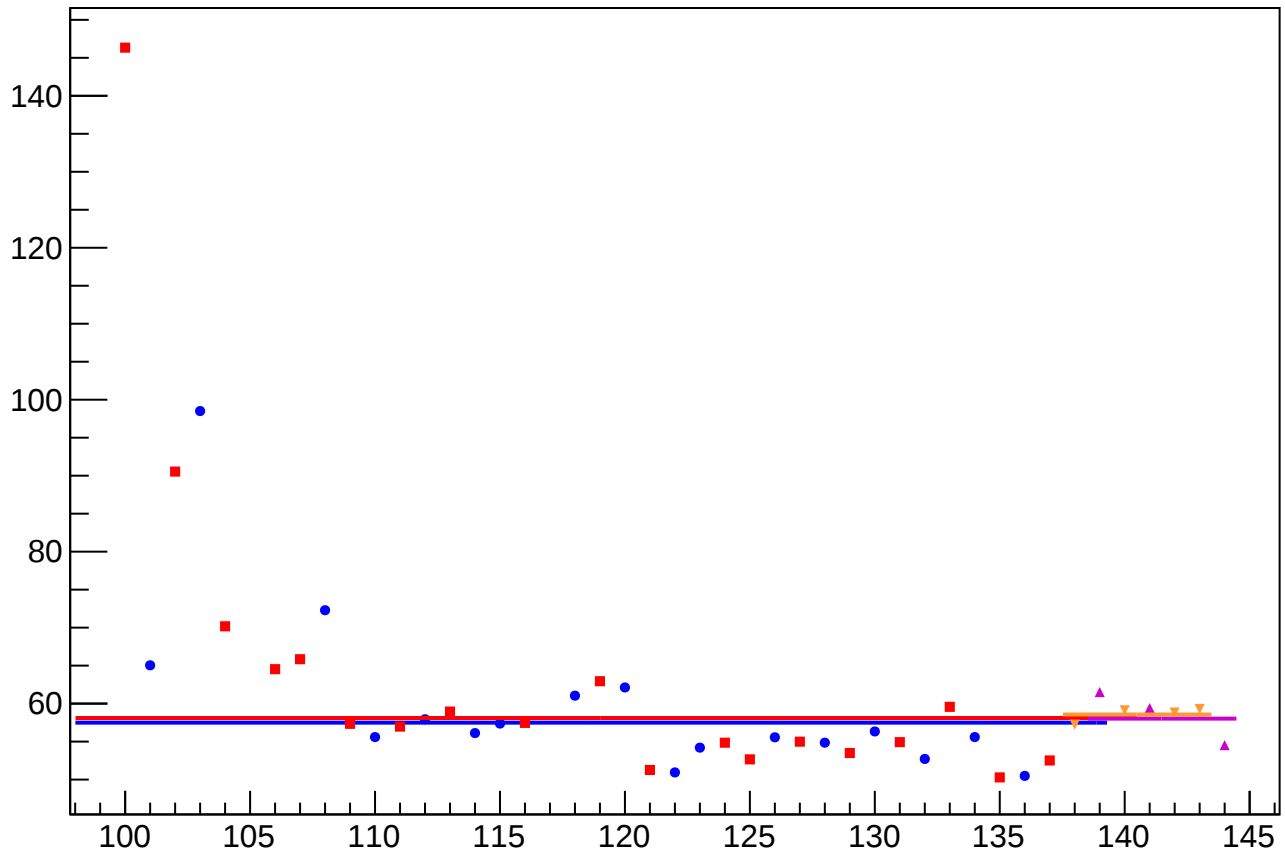
Left In: 105.651 $\pm$ 37.340 χ^2 /NDF: 0.4/2

+ sign 12.895 $\pm$ 19.180 χ^2 /NDF: 28.0/20

All: 18.847 $\pm$ 13.526 χ^2 /NDF: 55.2/42

- sign 24.735 $\pm$ 19.078 χ^2 /NDF: 26.9/21

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.495 $\pm$ 0.016 χ^2 /NDF: 306695.7/16

Left Out: 58.564 $\pm$ 0.026 χ^2 /NDF:1146.1/3

Right Out: 58.105 $\pm$ 0.016 χ^2 /NDF: 298191.3/18

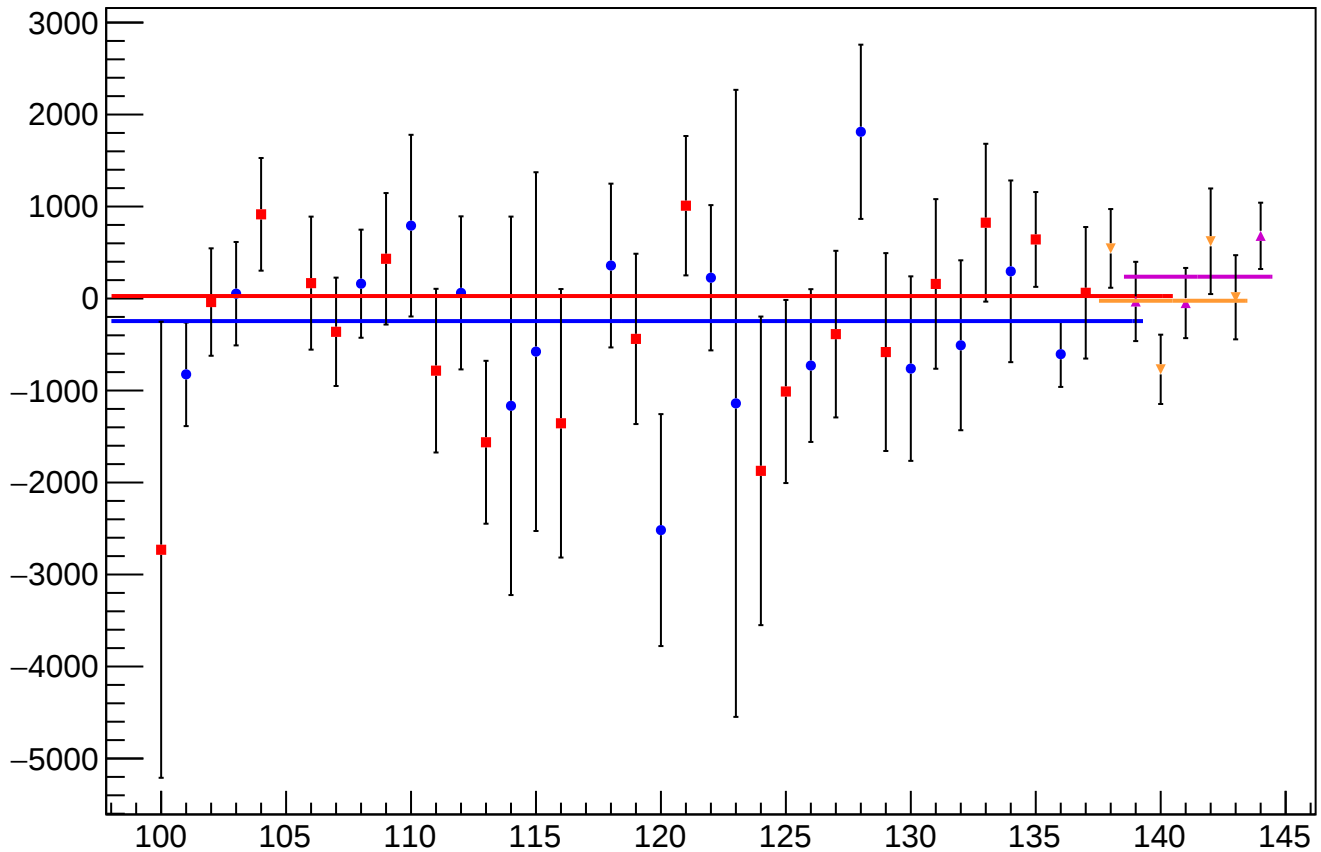
Left In: 58.024 $\pm$ 0.026 χ^2 /NDF:12592.9/2

+ sign 57.795 $\pm$ 0.014 χ^2 /NDF: 309097.1/20

All: 57.940 $\pm$ 0.010 χ^2 /NDF: 620115.6/42

- sign 58.084 $\pm$ 0.013 χ^2 /NDF: 310791.1/21

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -245.129 ± 184.410 $\chi^2/\text{NDF}: 14.1/16$

Left Out: -24.078 ± 221.832 $\chi^2/\text{NDF}: 7.0/3$

Right Out: 27.129 ± 182.149 $\chi^2/\text{NDF}: 16.2/18$

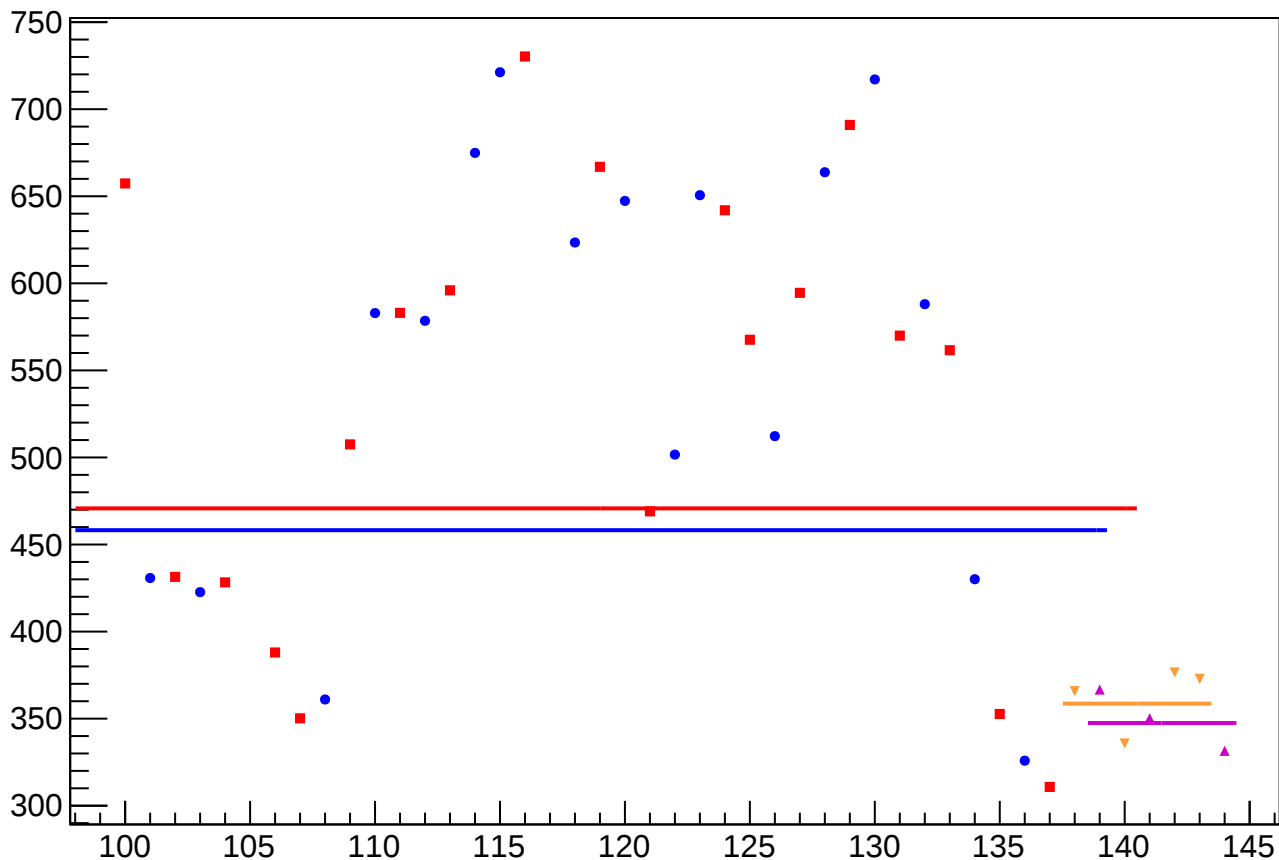
Left In: 237.248 ± 223.861 $\chi^2/\text{NDF}: 2.5/2$

+ sign -154.795 ± 141.809 $\chi^2/\text{NDF}: 21.7/20$

All: -21.494 ± 100.089 $\chi^2/\text{NDF}: 42.7/42$

- sign 110.828 ± 141.287 $\chi^2/\text{NDF}: 19.2/21$

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.231 $\pm$ 0.130 χ^2/NDF : 879276.8/16

Left Out: 358.627 $\pm$ 0.157 χ^2/NDF : 11817.8/3

Right Out: 470.751 $\pm$ 0.129 χ^2/NDF : 781964.3/18

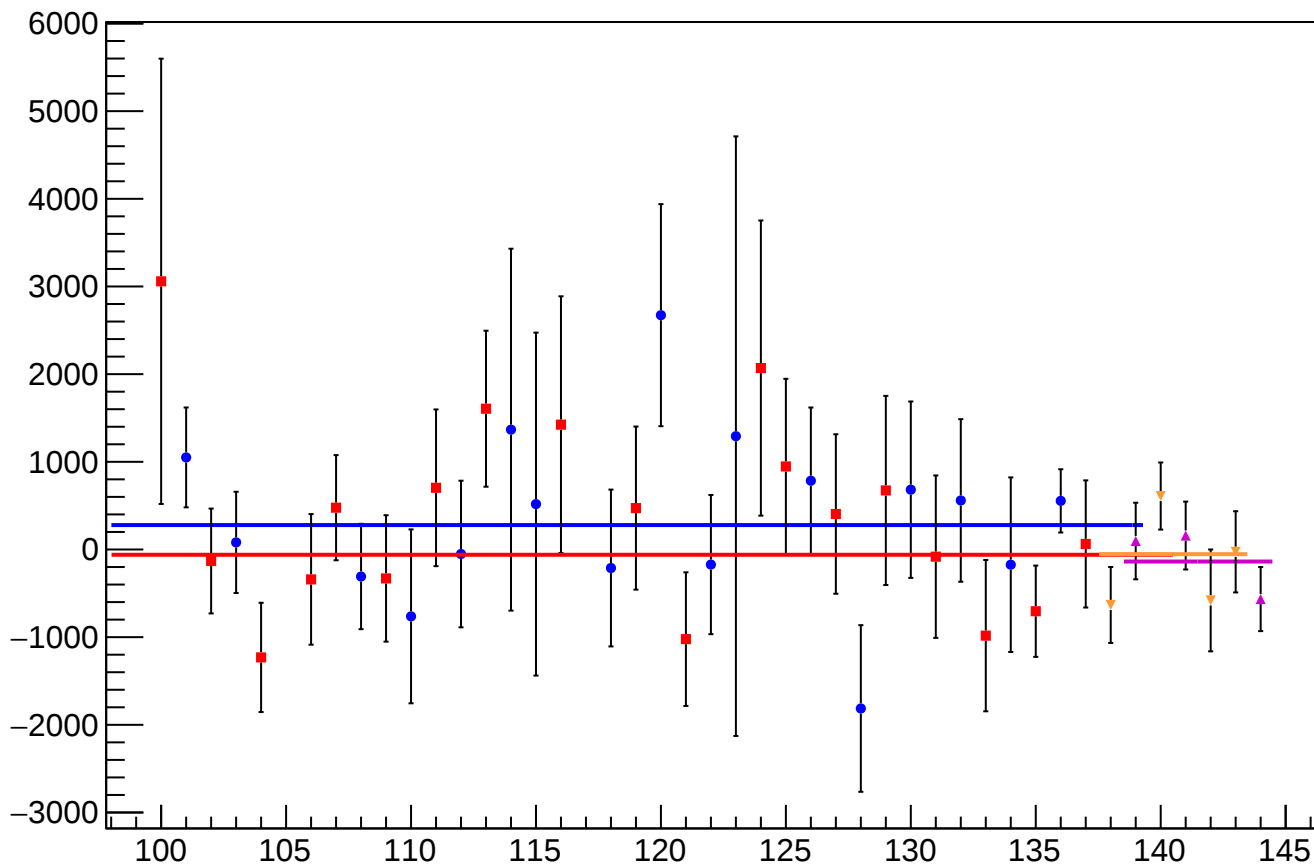
Left In: 347.480 $\pm$ 0.158 χ^2/NDF : 8010.2/2

+ sign 417.527 $\pm$ 0.100 χ^2/NDF : 1129531.6/20

All: 419.595 $\pm$ 0.071 χ^2/NDF : 2285231.3/42

- sign 421.648 $\pm$ 0.100 χ^2/NDF : 1154852.4/21

asym_sam_13_57_dd_mean vs Slug



Right In: 278.553 $\pm$ 186.587 χ^2/NDF : 15.0/16

Left Out: -53.293 $\pm$ 224.835 χ^2/NDF : 5.6/3

Right Out: -60.303 $\pm$ 184.397 χ^2/NDF : 19.4/18

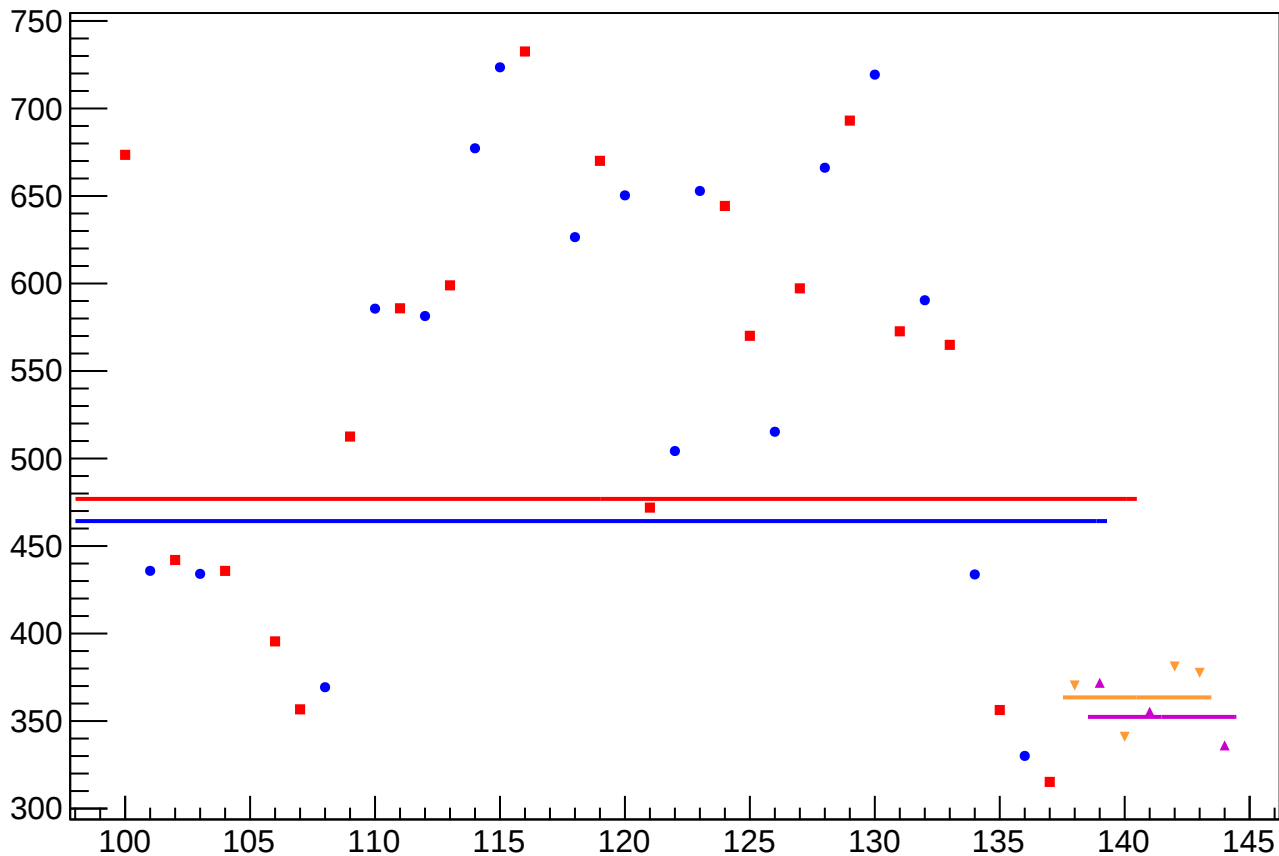
Left In: -137.419 $\pm$ 226.994 χ^2/NDF : 2.2/2

+ sign 143.216 $\pm$ 143.583 χ^2/NDF : 21.9/20

All: 25.753 $\pm$ 101.366 χ^2/NDF : 44.9/42

- sign -90.961 $\pm$ 143.124 χ^2/NDF : 21.7/21

asym_sam_13_57_dd_rms vs Slug



Right In: 464.257 $\pm$ 0.132 χ^2/NDF : 847933.8/16

Left Out: 363.515 $\pm$ 0.159 χ^2/NDF : 11097.0/3

Right Out: 476.925 $\pm$ 0.130 χ^2/NDF : 752685.6/18

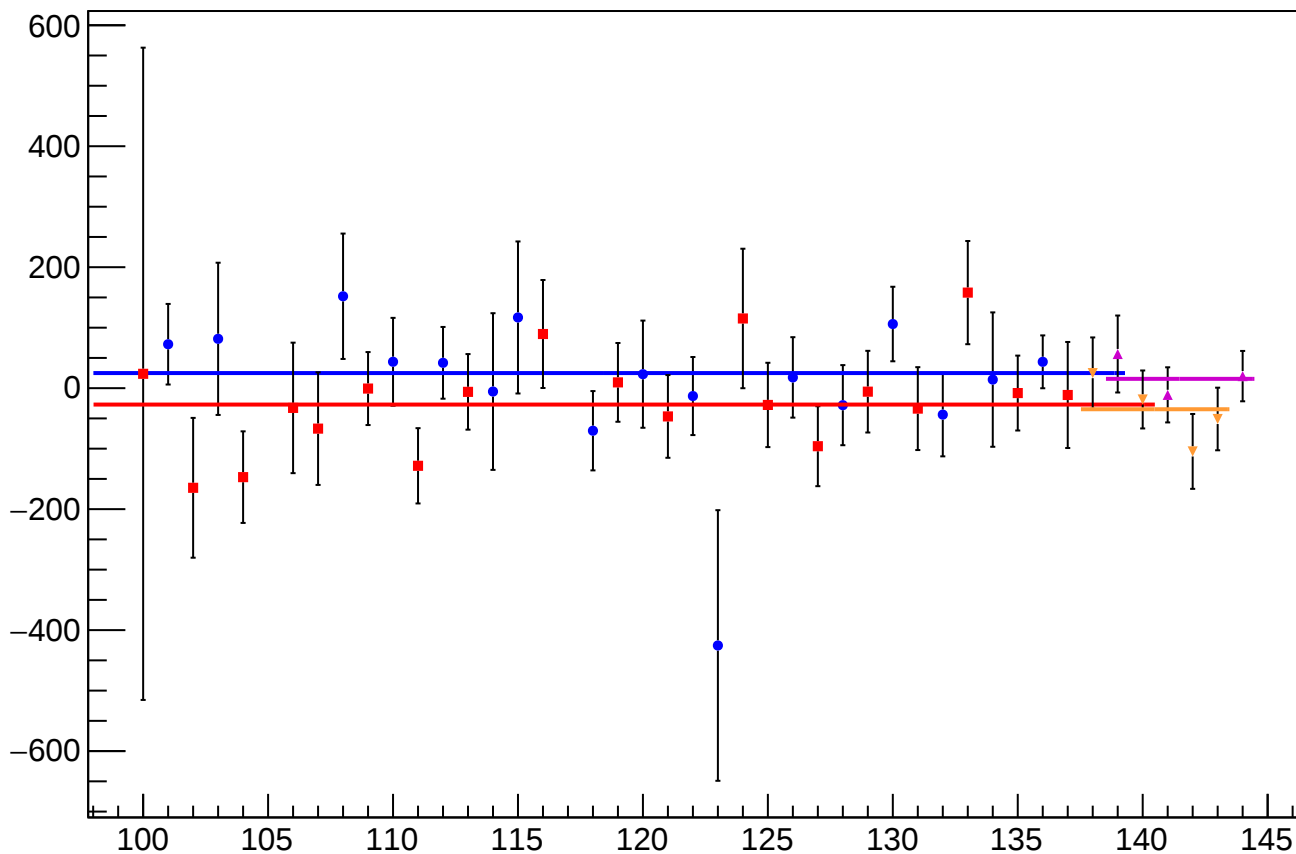
Left In: 352.371 $\pm$ 0.161 χ^2/NDF : 8068.4/2

+ sign 423.171 $\pm$ 0.102 χ^2/NDF : 1096807.0/20

All: 425.296 $\pm$ 0.072 χ^2/NDF : 2221207.5/42

- sign 427.408 $\pm$ 0.101 χ^2/NDF : 1123526.9/21

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.974 $\pm$ 17.871 χ^2 /NDF: 13.0/16

Left Out: -34.841 $\pm$ 27.146 χ^2 /NDF: 2.5/3

Right Out: -27.097 $\pm$ 17.436 χ^2 /NDF: 16.7/18

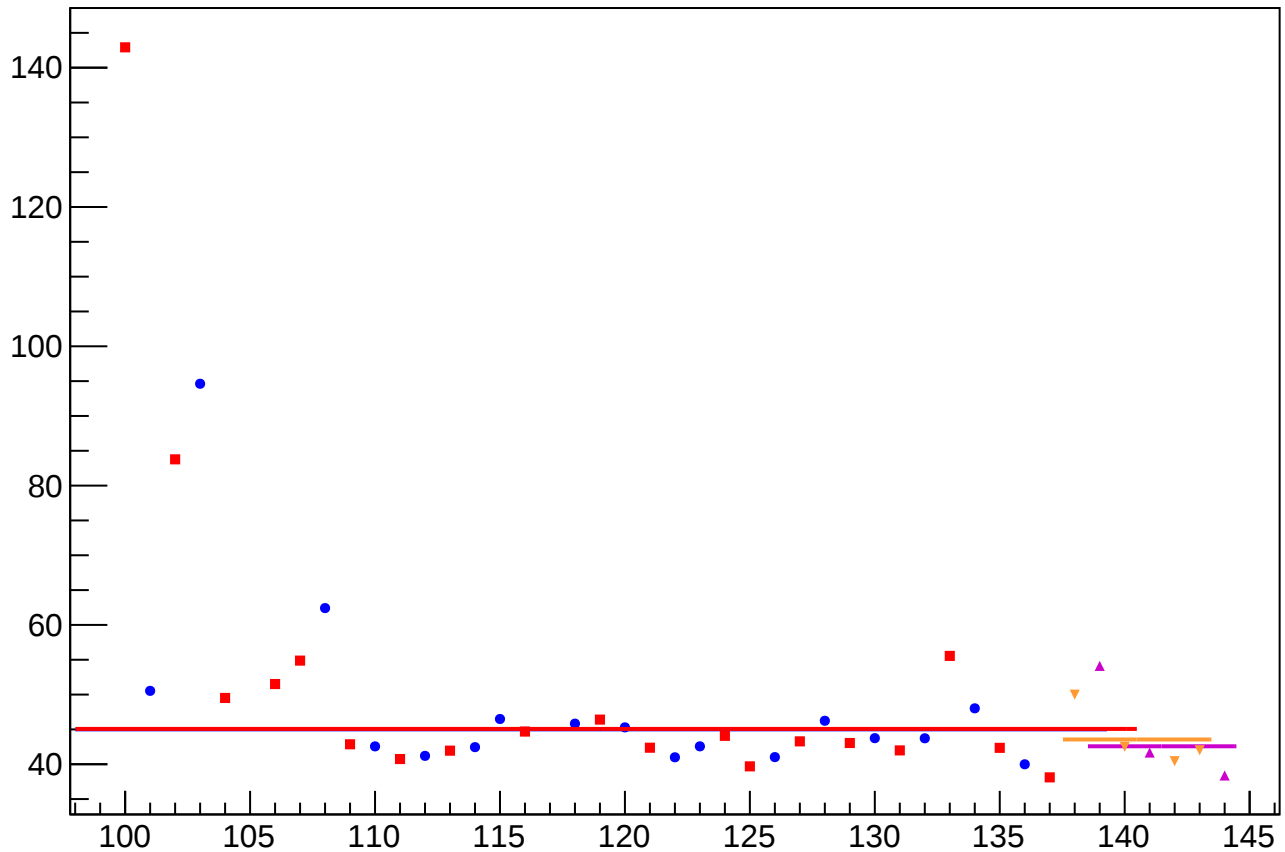
Left In: 15.419 $\pm$ 27.676 χ^2 /NDF: 0.8/2

+ sign 6.888 $\pm$ 14.927 χ^2 /NDF: 18.9/20

All: -4.193 $\pm$ 10.493 χ^2 /NDF: 39.2/42

- sign -15.016 $\pm$ 14.752 χ^2 /NDF: 19.2/21

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.010 $\pm$ 0.013 χ^2 /NDF: 438252.0/16

Left Out: 43.555 $\pm$ 0.019 χ^2 /NDF: 31610.2/3

Right Out: 45.070 $\pm$ 0.012 χ^2 /NDF: 413668.1/18

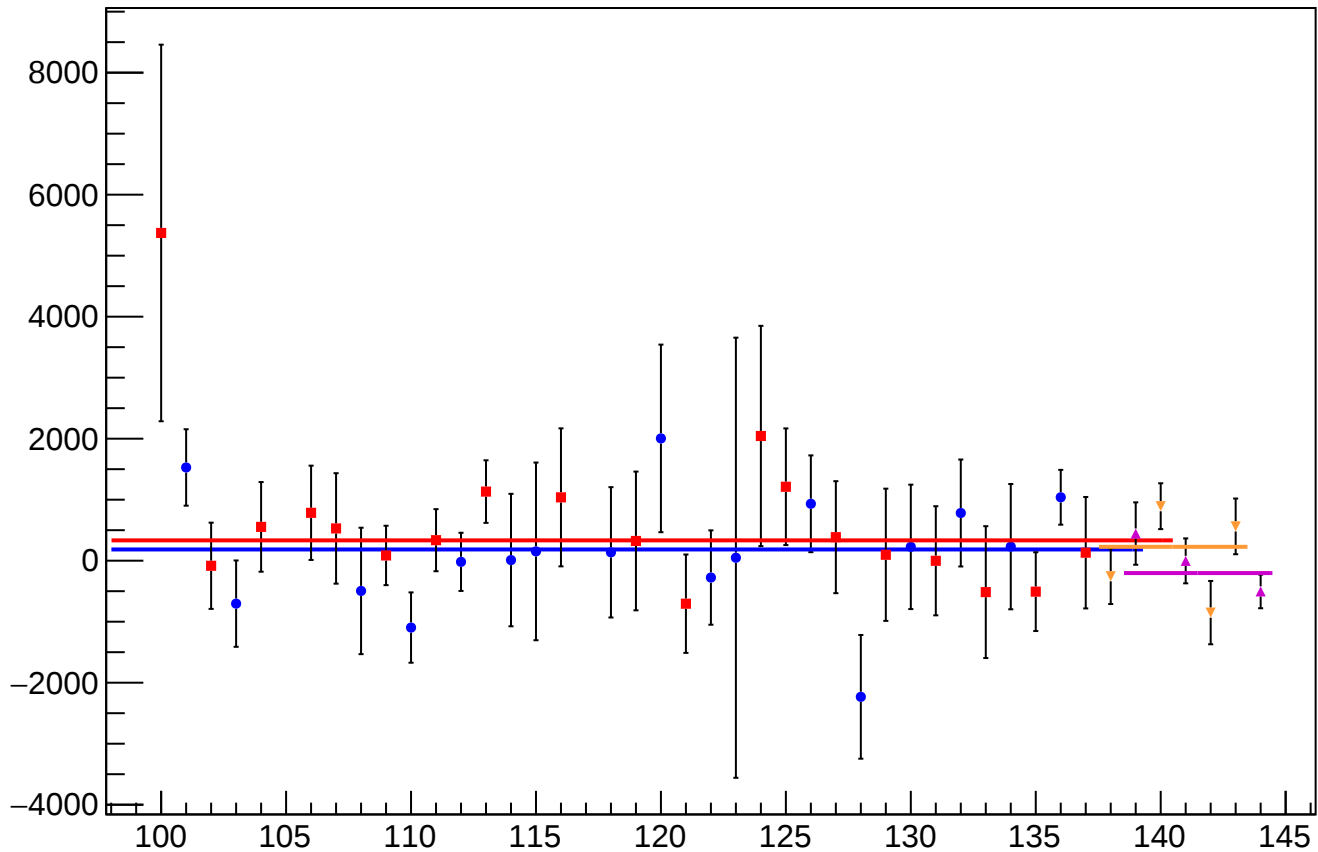
Left In: 42.576 $\pm$ 0.020 χ^2 /NDF: 86901.7/2

+ sign 44.570 $\pm$ 0.011 χ^2 /NDF: 473871.4/20

All: 44.464 $\pm$ 0.007 χ^2 /NDF: 986264.1/42

- sign 44.362 $\pm$ 0.010 χ^2 /NDF: 512196.1/21

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.085 $\pm$ 189.043 χ^2 /NDF: 24.2/16

Left Out: 227.205 $\pm$ 221.389 χ^2 /NDF: 9.1/3

Right Out: 333.044 $\pm$ 179.692 χ^2 /NDF: 12.5/18

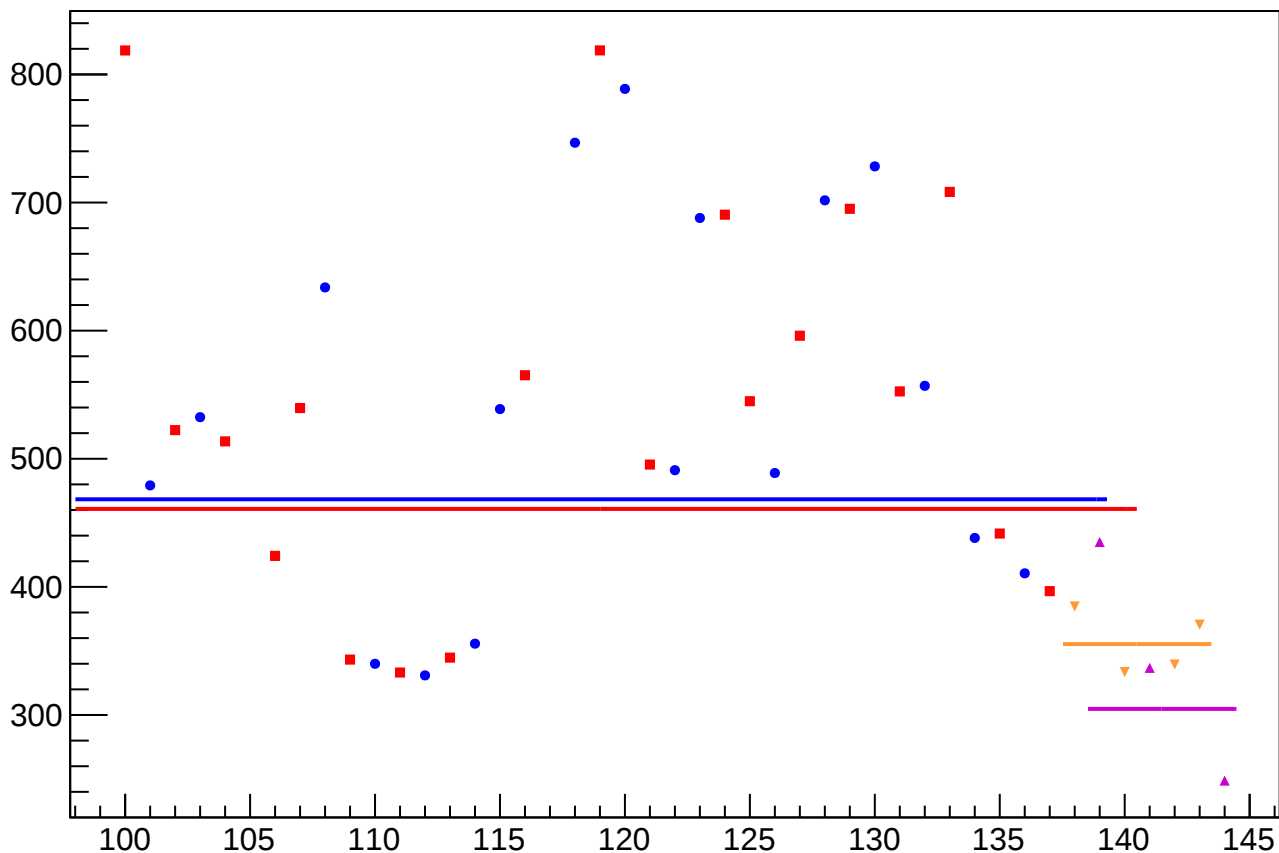
Left In: -202.920 $\pm$ 202.738 χ^2 /NDF: 3.1/2

+ sign 202.268 $\pm$ 143.763 χ^2 /NDF: 33.3/20

All: 146.254 $\pm$ 98.207 χ^2 /NDF: 53.1/42

- sign 97.244 $\pm$ 134.474 χ^2 /NDF: 19.5/21

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.371+/-0.134 χ^2/NDF : 883769.0/16

Left Out: 355.361+/-0.157 χ^2/NDF : 19140.6/3

Right Out: 460.849+/-0.127 χ^2/NDF : 958126.5/18

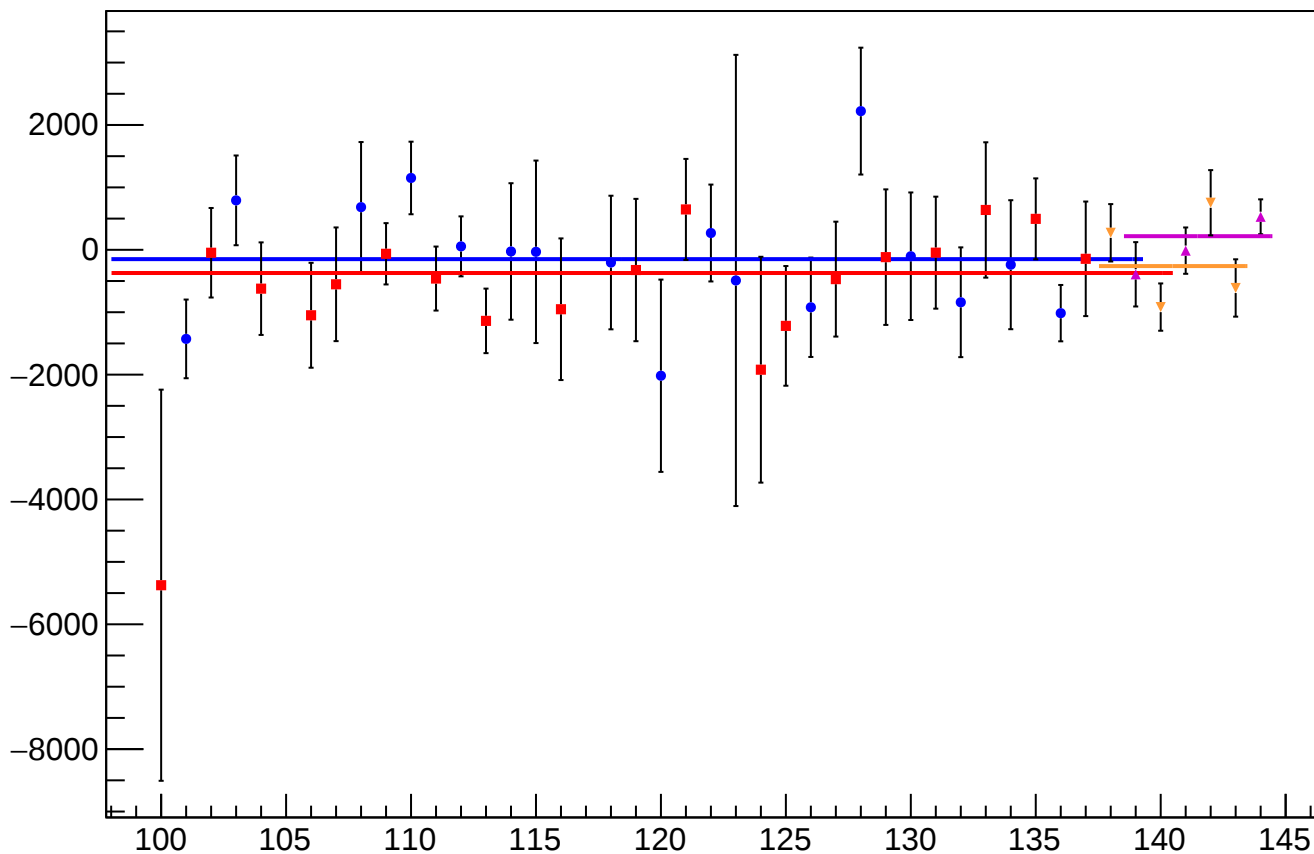
Left In: 304.748+/-0.143 χ^2/NDF : 227091.1/2

+ sign 420.718+/-0.102 χ^2/NDF : 1204295.9/20

All: 405.493+/-0.069 χ^2/NDF : 3095607.1/42

- sign 392.171+/-0.095 χ^2/NDF : 1849253.0/21

asym_sam_15_37_dd_mean vs Slug



Right In: -149.502 ± 190.216 χ^2/NDF : 24.1/16

Left Out: -260.739 ± 223.085 χ^2/NDF : 8.7/3

Right Out: -371.735 ± 181.576 χ^2/NDF : 12.5/18

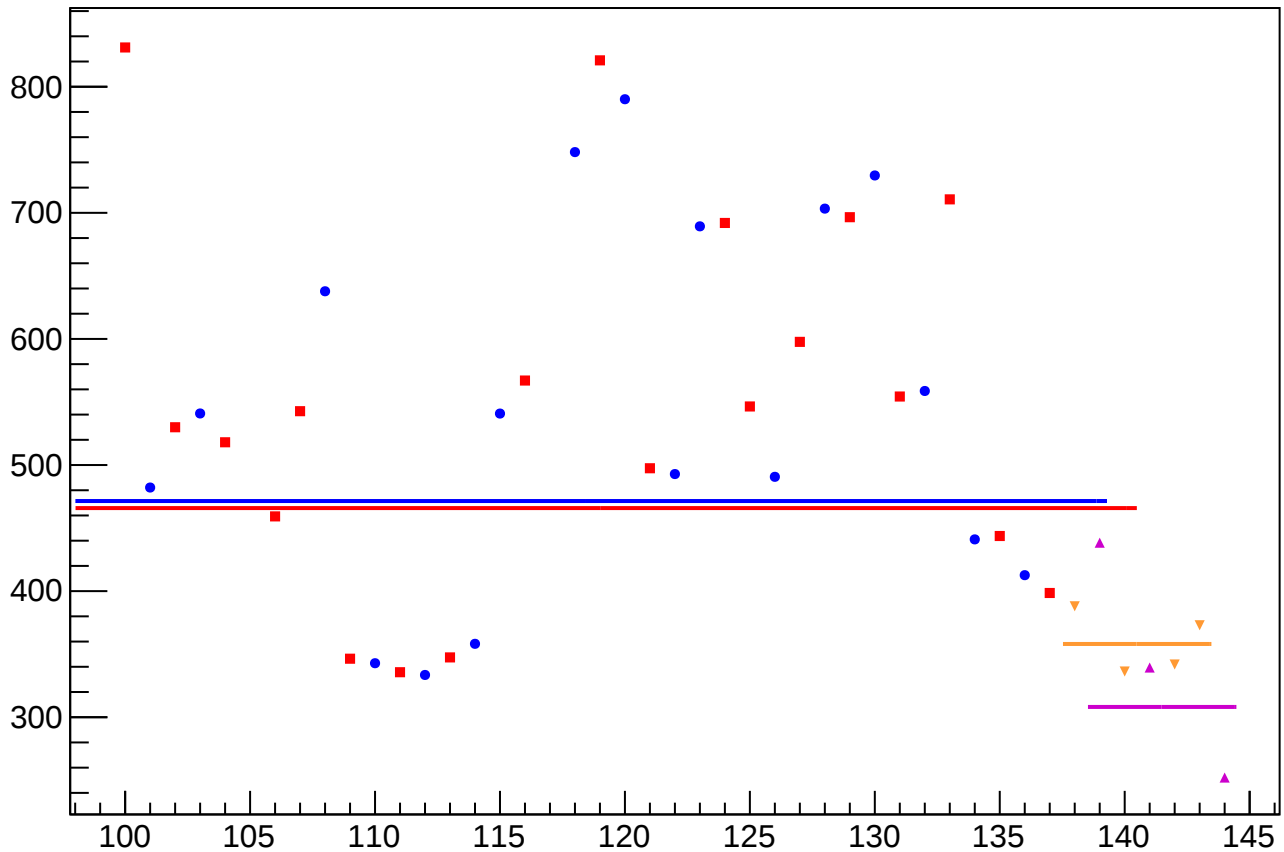
Left In: 218.308 ± 204.840 χ^2/NDF : 3.0/2

+ sign -196.329 ± 144.743 χ^2/NDF : 33.0/20

All: -151.560 ± 99.066 χ^2/NDF : 53.3/42

- sign -112.108 ± 135.877 χ^2/NDF : 20.1/21

asym_sam_15_37_dd_rms vs Slug



Right In: 471.454 $\pm$ 0.135 χ^2/NDF : 875217.0/16

Left Out: 358.096 $\pm$ 0.158 χ^2/NDF : 19113.7/3

Right Out: 465.856 $\pm$ 0.128 χ^2/NDF : 943653.4/18

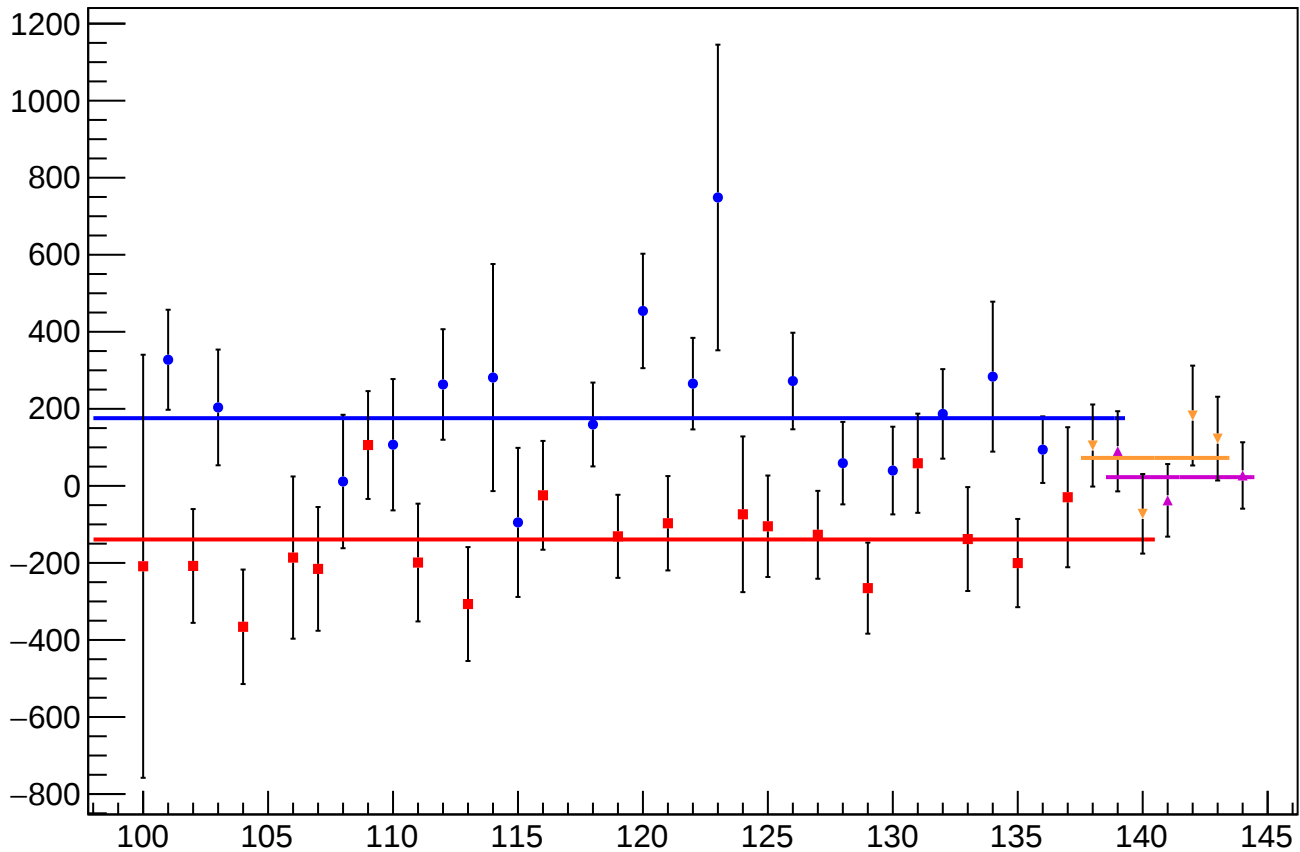
Left In: 308.158 $\pm$ 0.145 χ^2/NDF : 222230.1/2

+ sign 423.734 $\pm$ 0.102 χ^2/NDF : 1193350.6/20

All: 409.240 $\pm$ 0.070 χ^2/NDF : 3060753.8/42

- sign 396.467 $\pm$ 0.096 χ^2/NDF : 1829674.7/21

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 175.771 $\pm$ 32.833 χ^2 /NDF: 15.5/16

Left Out: 72.605 $\pm$ 55.372 χ^2 /NDF: 3.0/3

Right Out: -139.142 $\pm$ 32.437 χ^2 /NDF: 12.5/18

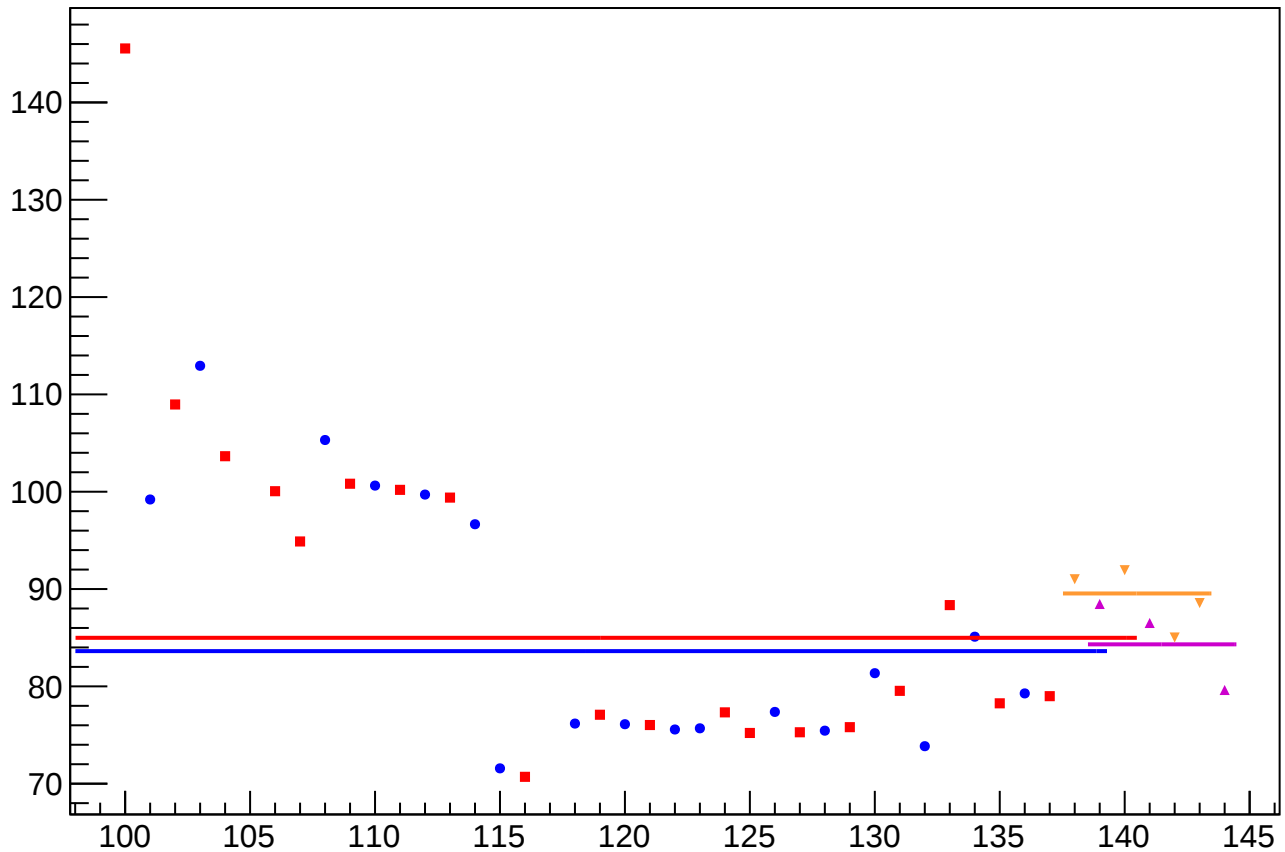
Left In: 22.668 $\pm$ 54.266 χ^2 /NDF: 0.8/2

+ sign 148.934 $\pm$ 28.241 χ^2 /NDF: 21.1/20

All: 24.448 $\pm$ 19.827 χ^2 /NDF: 79.3/42

- sign -96.546 $\pm$ 27.842 χ^2 /NDF: 19.8/21

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.622 $\pm$ 0.023 χ^2 /NDF: 254251.0/16

Left Out: 89.545 $\pm$ 0.039 χ^2 /NDF: 4049.9/3

Right Out: 84.989 $\pm$ 0.023 χ^2 /NDF: 287001.0/18

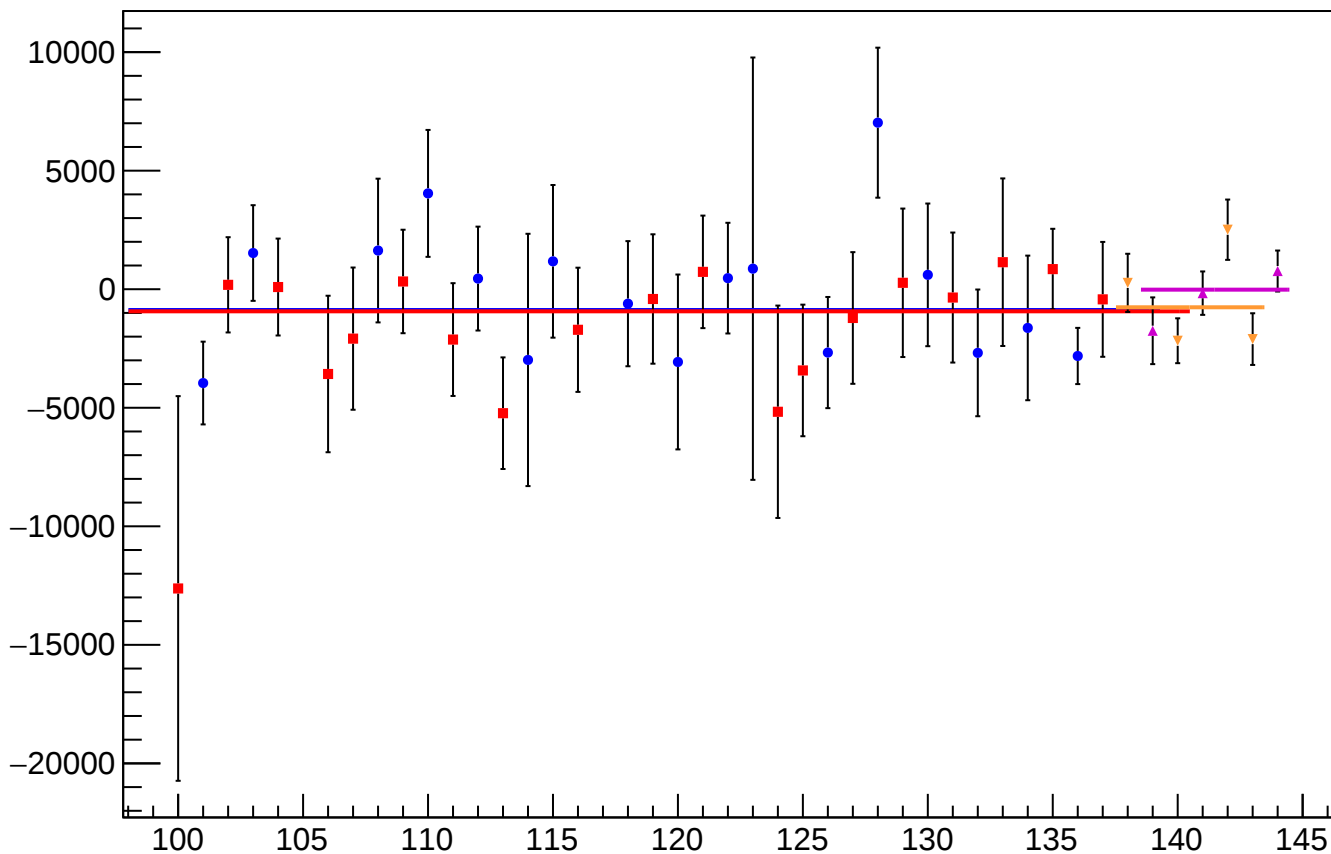
Left In: 84.317 $\pm$ 0.038 χ^2 /NDF: 10182.5/2

+ sign 85.163 $\pm$ 0.020 χ^2 /NDF: 275237.2/20

All: 84.985 $\pm$ 0.014 χ^2 /NDF: 572802.6/42

- sign 84.812 $\pm$ 0.020 χ^2 /NDF: 297409.5/21

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -877.743+/-584.504 χ^2/NDF : 20.5/16

Left Out: -762.155+/-555.503 χ^2/NDF : 11.1/3

Right Out: -932.219+/-590.182 χ^2/NDF : 11.3/18

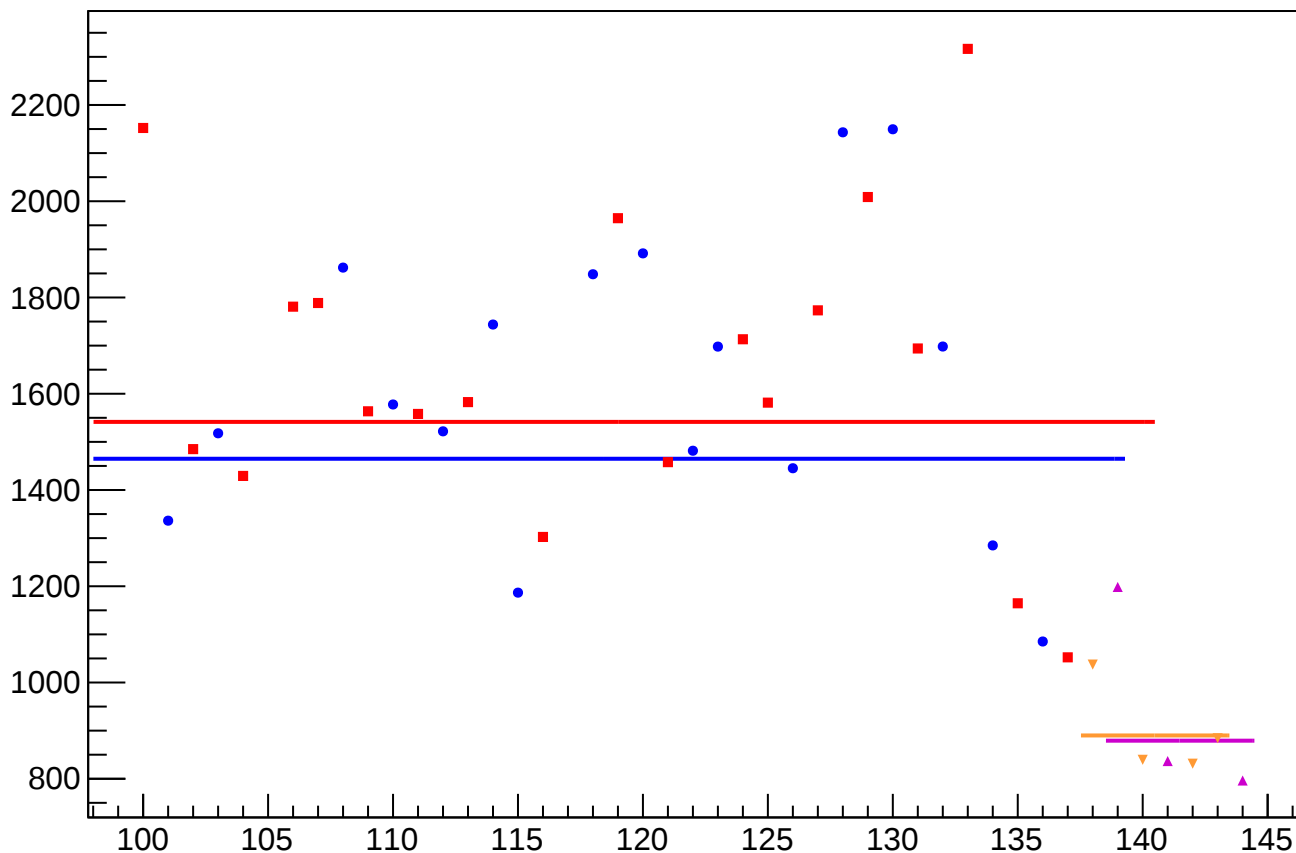
Left In: -18.473+/-573.892 χ^2/NDF : 2.4/2

+ sign -817.011+/-402.662 χ^2/NDF : 31.6/20

All: -643.608+/-287.779 χ^2/NDF : 46.9/42

- sign -462.561+/-411.442 χ^2/NDF : 14.9/21

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.922+/-0.413 χ^2/NDF : 565343.8/16

Left Out: 890.003+/-0.393 χ^2/NDF : 38802.9/3

Right Out: 1541.521+/-0.417 χ^2/NDF : 455248.6/18

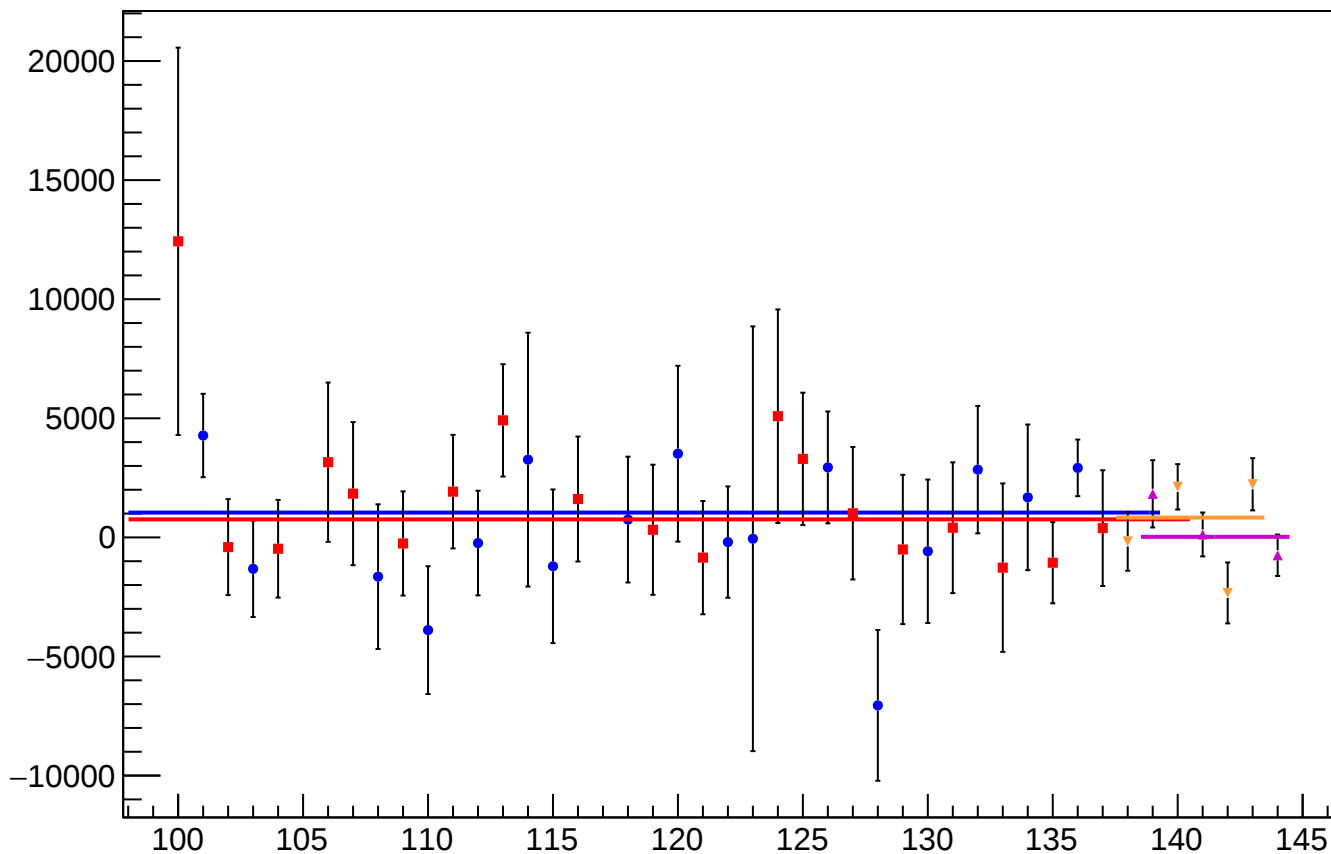
Left In: 879.136+/-0.406 χ^2/NDF : 125618.5/2

+ sign 1162.847+/-0.285 χ^2/NDF : 1620810.9/20

All: 1181.542+/-0.203 χ^2/NDF : 3505385.4/42

- sign 1201.061+/-0.291 χ^2/NDF : 1875761.9/21

asym_sam_24_68_dd_mean vs Slug



Right In: 1042.489 $\pm$ 585.716 χ^2 /NDF: 21.2/16

Left Out: 830.940 $\pm$ 558.430 χ^2 /NDF:10.3/3

Right Out: 758.067 $\pm$ 591.504 χ^2 /NDF: 11.0/18

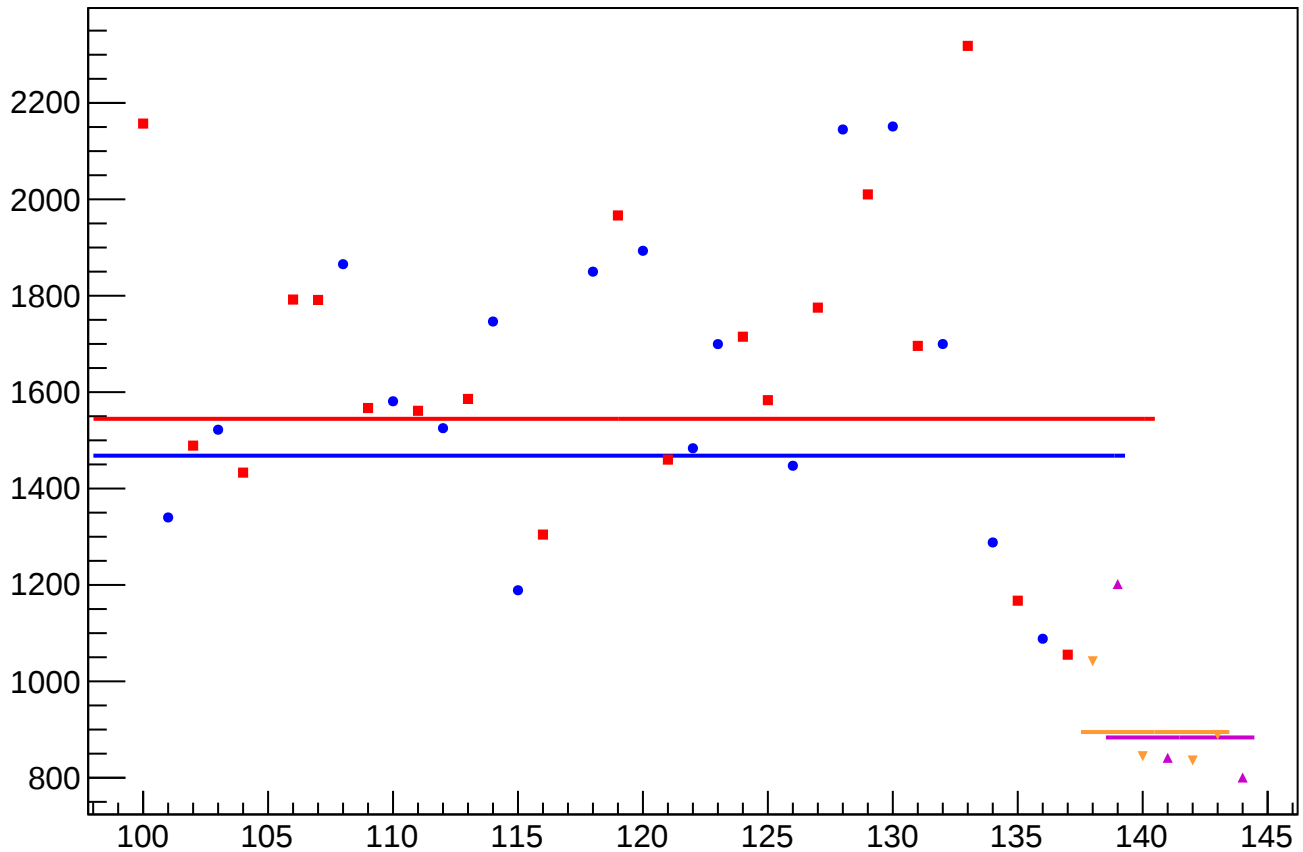
Left In: 23.265 $\pm$ 576.685 χ^2 /NDF:2.4/2

+ sign 931.672 $\pm$ 404.172 χ^2 /NDF: 31.5/20

All: 662.399 $\pm$ 288.835 χ^2 /NDF: 46.6/42

- sign 381.346 $\pm$ 412.917 χ^2 /NDF: 14.2/21

asym_sam_24_68_dd_rms vs Slug



Right In: 1468.195 $\pm$ 0.414 χ^2 /NDF: 561893.4/16

Left Out: 894.834 $\pm$ 0.395 χ^2 /NDF: 38228.1/3

Right Out: 1544.653 $\pm$ 0.418 χ^2 /NDF: 453342.4/18

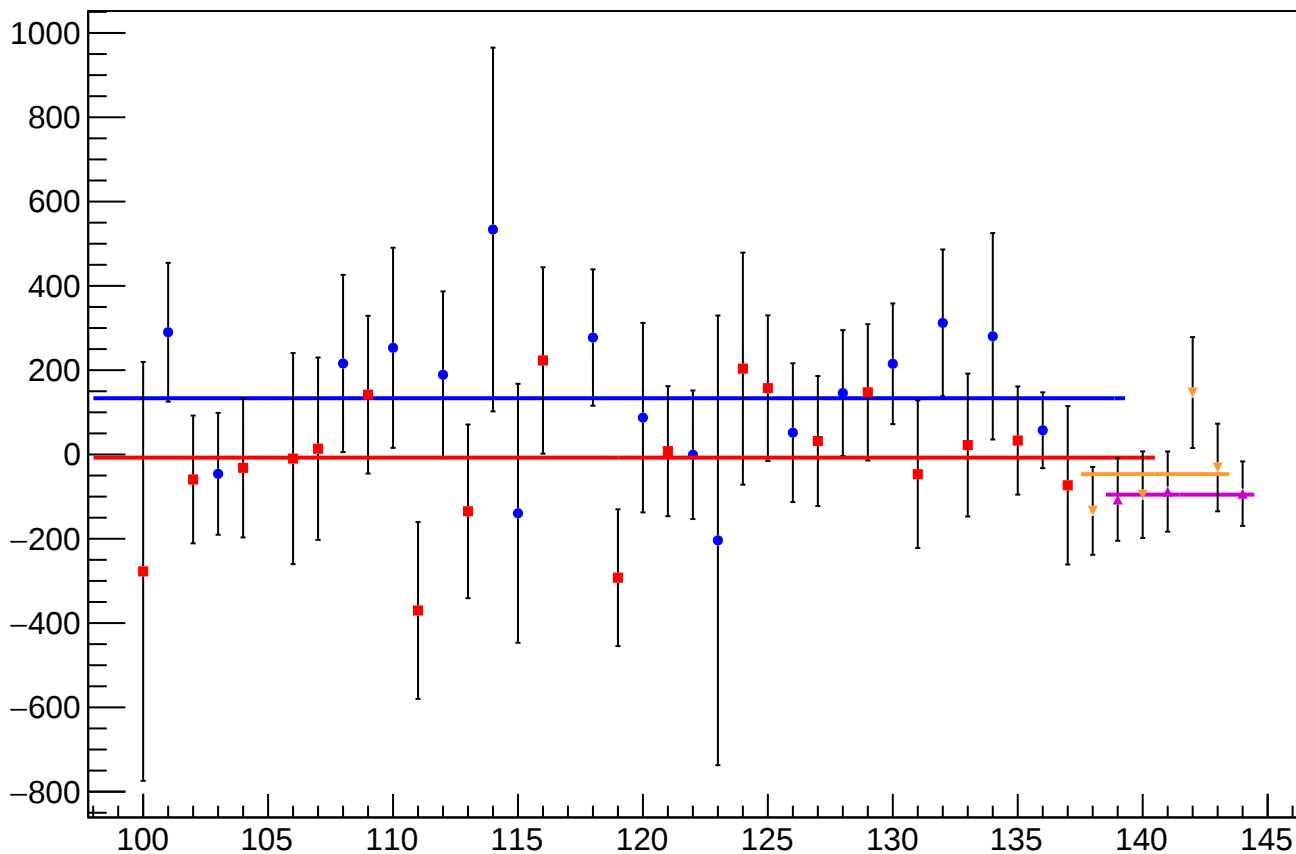
Left In: 883.598 $\pm$ 0.408 χ^2 /NDF: 124198.7/2

+ sign 1167.849 $\pm$ 0.286 χ^2 /NDF: 1604058.9/20

All: 1186.389 $\pm$ 0.204 χ^2 /NDF: 3470878.3/42

- sign 1205.741 $\pm$ 0.292 χ^2 /NDF: 1858217.9/21

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 133.408 $\pm$ 41.705 χ^2/NDF : 9.3/16

Left Out: -46.680 $\pm$ 54.453 χ^2/NDF : 3.1/3

Right Out: -7.495 $\pm$ 41.511 χ^2/NDF : 11.4/18

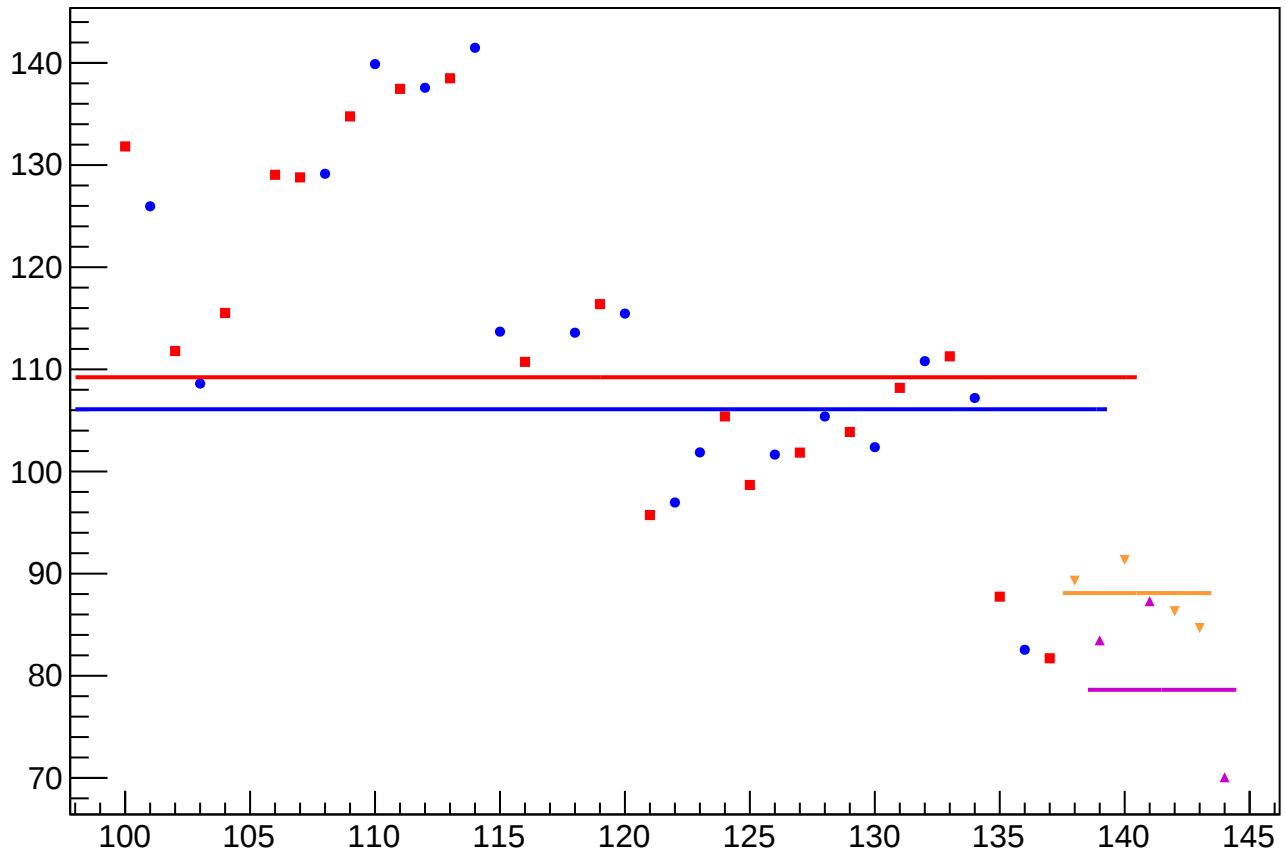
Left In: -95.250 $\pm$ 50.935 χ^2/NDF : 0.0/2

+ sign 66.828 $\pm$ 33.110 χ^2/NDF : 19.3/20

All: 10.594 $\pm$ 23.076 χ^2/NDF : 38.1/42

- sign -42.519 $\pm$ 32.178 χ^2/NDF : 13.2/21

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.094 $\pm$ 0.029 χ^2/NDF : 316104.7/16

Left Out: 88.095 $\pm$ 0.039 χ^2/NDF : 4792.0/3

Right Out: 109.227 $\pm$ 0.029 χ^2/NDF : 283569.2/18

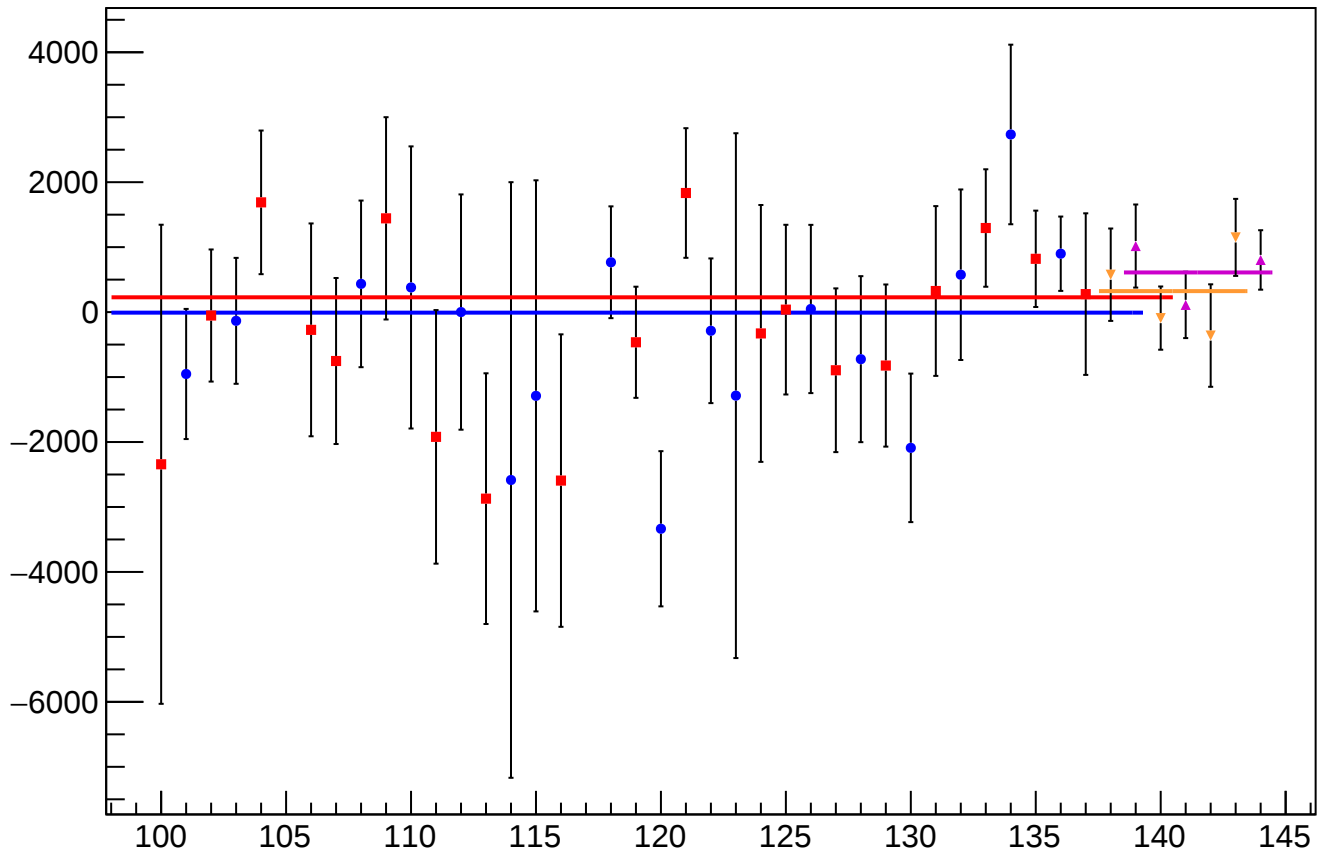
Left In: 78.628 $\pm$ 0.036 χ^2/NDF : 46579.1/2

+ sign 99.439 $\pm$ 0.023 χ^2/NDF : 458608.7/20

All: 98.192 $\pm$ 0.016 χ^2/NDF : 1227995.3/42

- sign 97.014 $\pm$ 0.023 χ^2/NDF : 763867.9/21

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -8.296 ± 284.265 $\chi^2/\text{NDF}: 20.5/16$

Left Out: 322.984 ± 306.425 $\chi^2/\text{NDF}: 3.6/3$

Right Out: 227.827 ± 280.146 $\chi^2/\text{NDF}: 15.8/18$

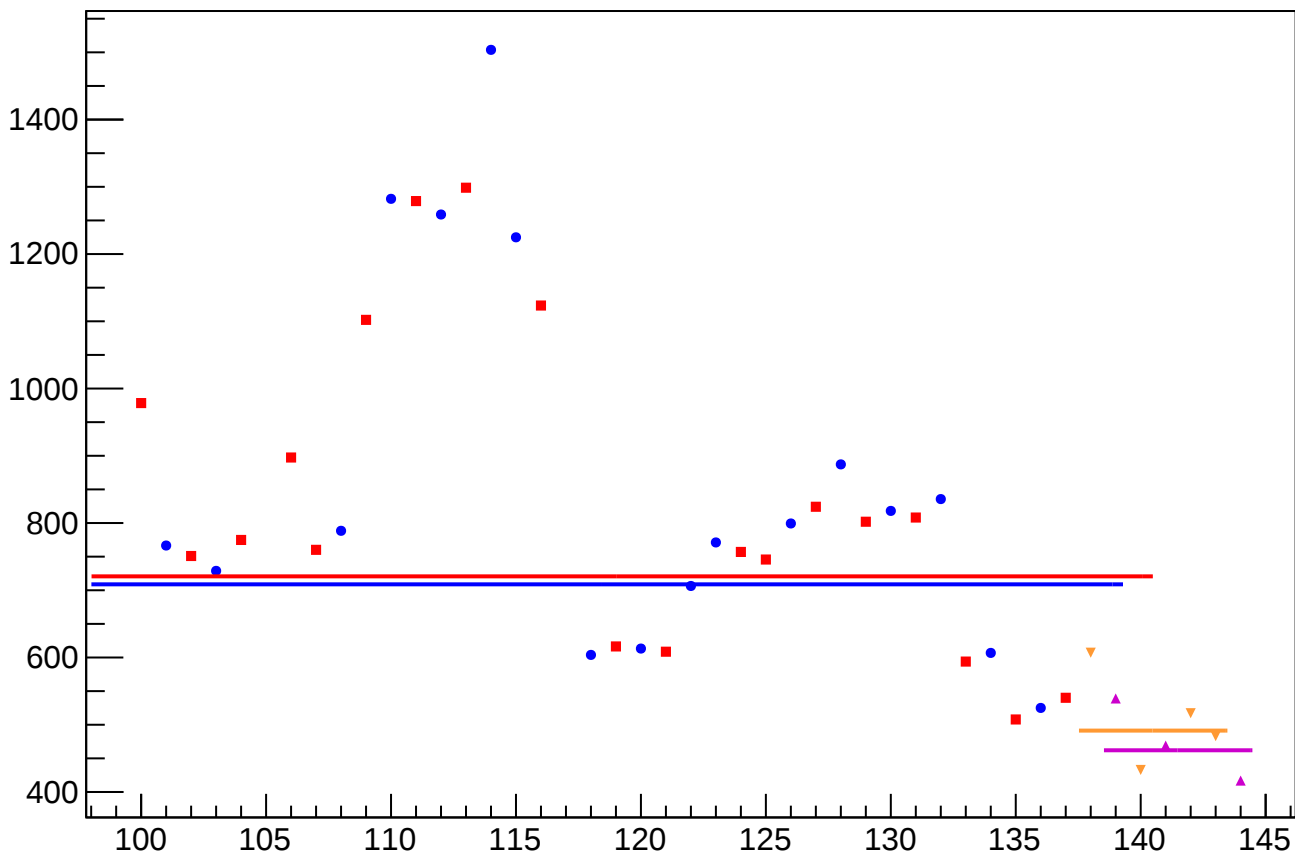
Left In: 610.520 ± 300.848 $\chi^2/\text{NDF}: 1.5/2$

+ sign 144.933 ± 208.400 $\chi^2/\text{NDF}: 24.7/20$

All: 277.373 ± 146.152 $\chi^2/\text{NDF}: 43.8/42$

- sign 405.555 ± 205.022 $\chi^2/\text{NDF}: 18.3/21$

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.820 $\pm$ 0.201 χ^2 /NDF: 793495.1/16

Left Out: 491.302 $\pm$ 0.217 χ^2 /NDF: 84528.5/3

Right Out: 720.682 $\pm$ 0.198 χ^2 /NDF: 901856.3/18

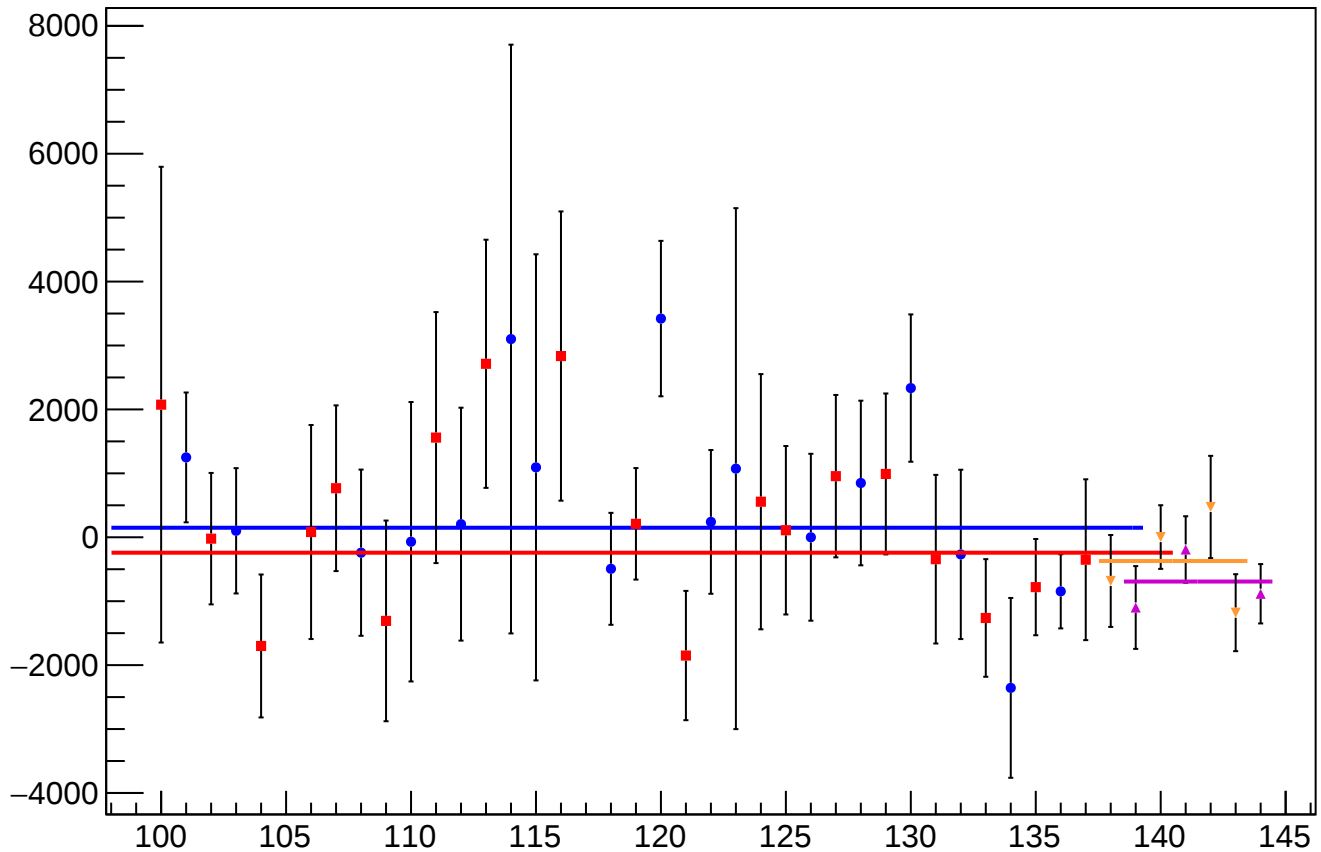
Left In: 462.028 $\pm$ 0.213 χ^2 /NDF: 48808.2/2

+ sign 608.209 $\pm$ 0.147 χ^2 /NDF: 1419676.8/20

All: 604.322 $\pm$ 0.103 χ^2 /NDF: 3163489.7/42

- sign 600.559 $\pm$ 0.145 χ^2 /NDF: 1742443.4/21

asym_sam_26_48_dd_mean vs Slug



Right In: 149.114 $\pm$ 287.749 χ^2 /NDF: 19.7/16

Left Out: -371.449 $\pm$ 311.708 χ^2 /NDF:3.7/3

Right Out: -241.208 $\pm$ 283.783 χ^2 /NDF: 14.9/18

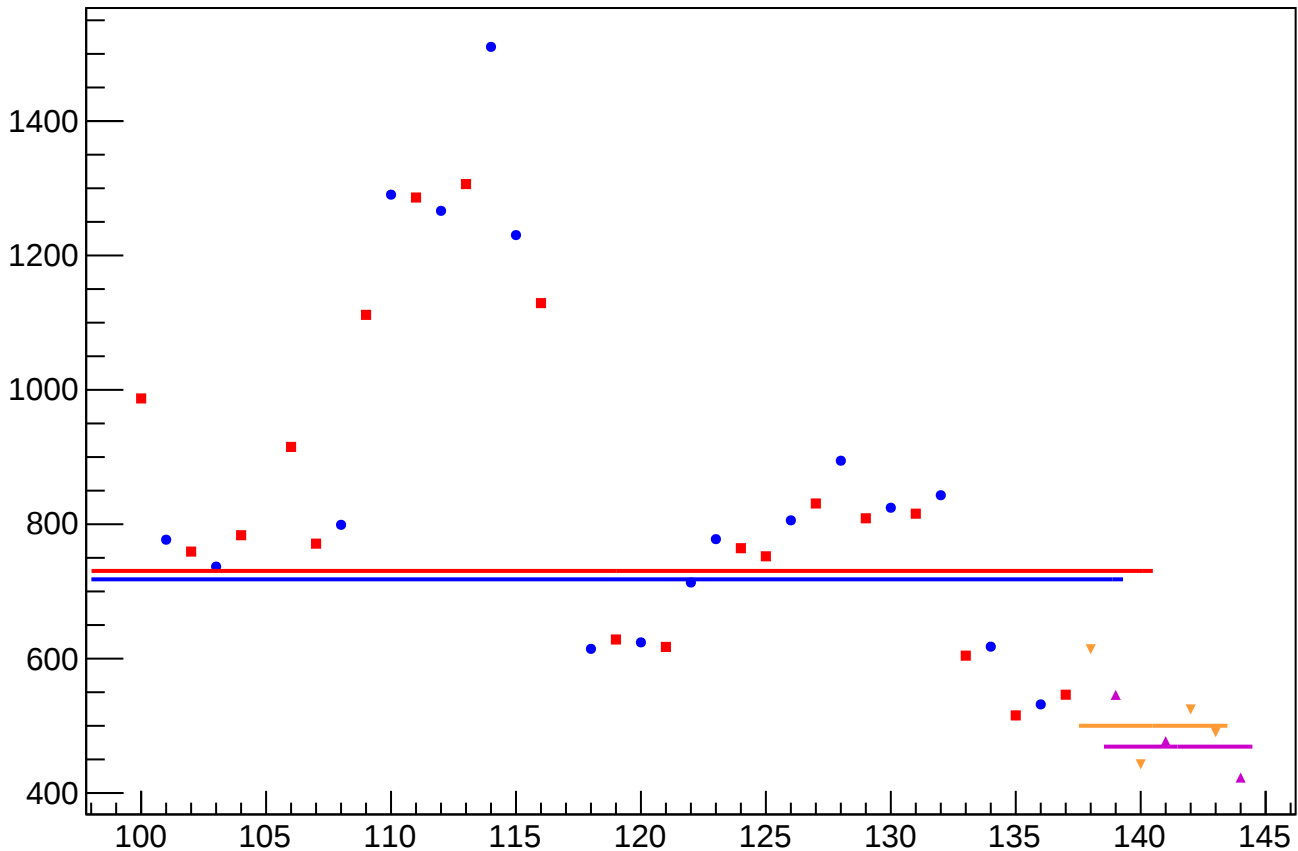
Left In: -692.575 $\pm$ 305.330 χ^2 /NDF:1.5/2

+ sign -90.396 $\pm$ 211.433 χ^2 /NDF: 24.9/20

All: -273.463 $\pm$ 148.228 χ^2 /NDF: 43.9/42

- sign -450.405 $\pm$ 207.865 χ^2 /NDF: 17.5/21

asym_sam_26_48_dd_rms vs Slug



Right In: 718.014 $\pm$ 0.203 χ^2 /NDF: 778471.9/16

Left Out: 500.096 $\pm$ 0.220 χ^2 /NDF: 79101.4/3

Right Out: 730.544 $\pm$ 0.201 χ^2 /NDF: 883666.2/18

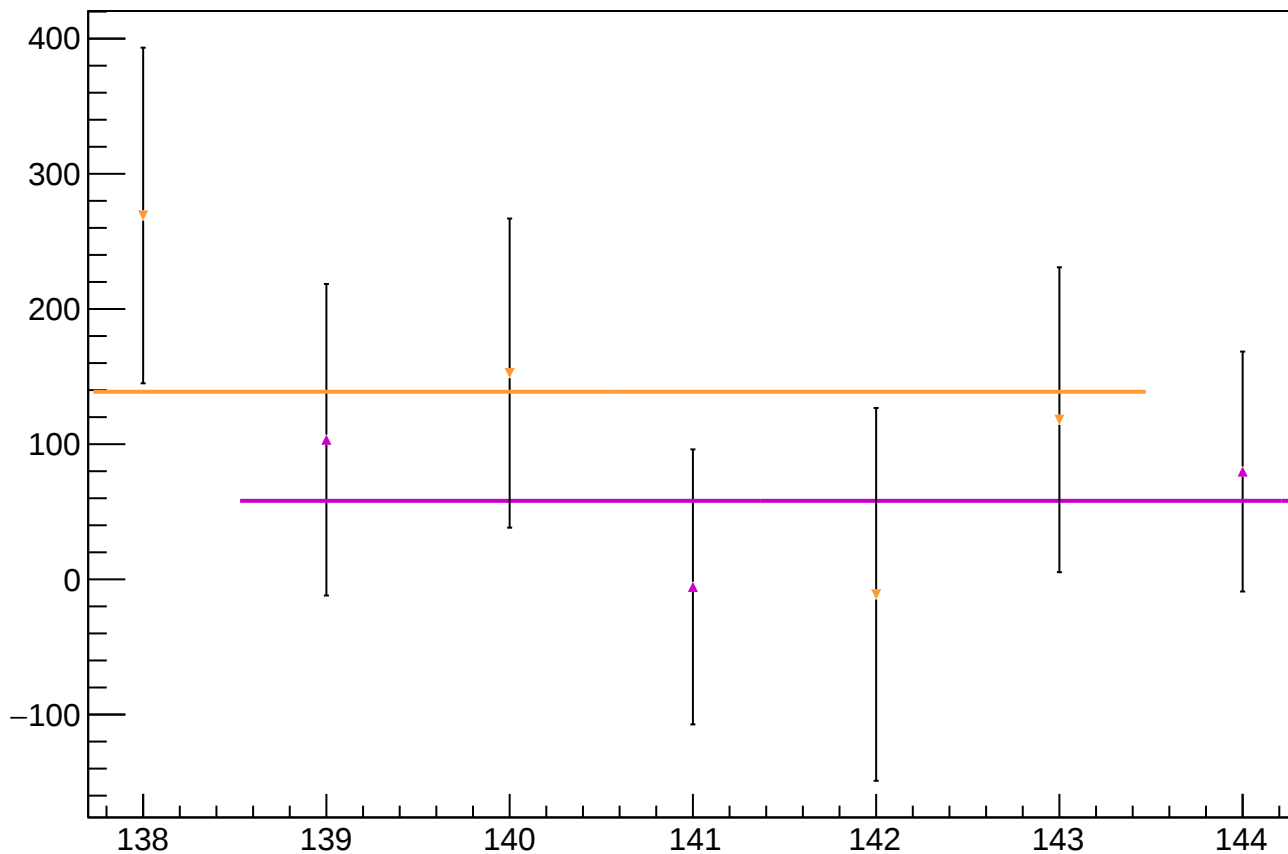
Left In: 469.038 $\pm$ 0.216 χ^2 /NDF: 48489.1/2

+ sign 617.751 $\pm$ 0.150 χ^2 /NDF: 1385332.1/20

All: 613.475 $\pm$ 0.105 χ^2 /NDF: 3106223.6/42

- sign 609.342 $\pm$ 0.147 χ^2 /NDF: 1719283.2/21

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 138.800+/-60.568 χ^2/NDF : 2.3/3

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

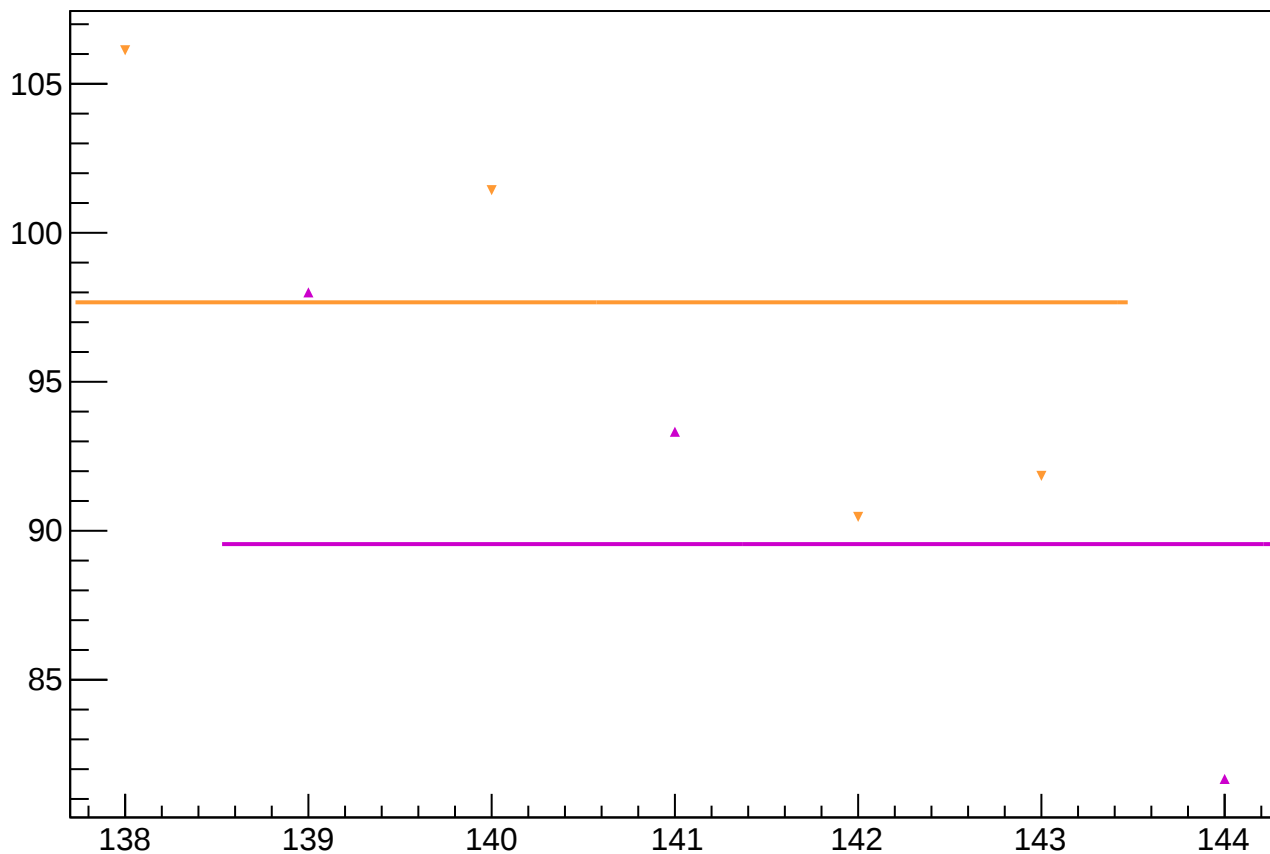
Left In: 58.095+/-57.845 χ^2/NDF : 0.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 96.593+/-41.832 χ^2/NDF : 3.9/6

- 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: 97.667+/-0.043 χ^2/NDF : 22239.5/3

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

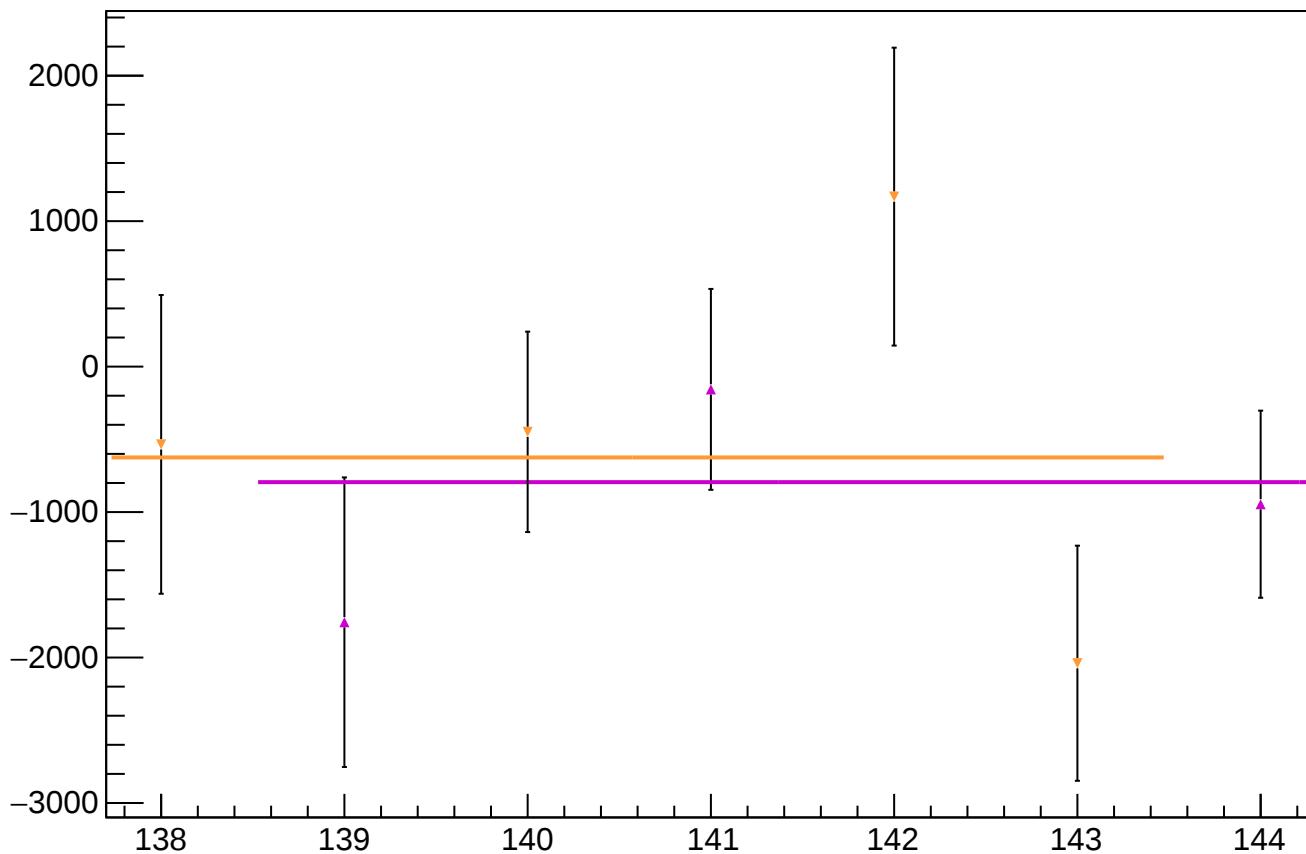
Left In: 89.553+/-0.041 χ^2/NDF : 29263.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 93.424+/-0.030 χ^2/NDF : 70276.6/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -624.522+/-424.853 χ^2/NDF : 6.2/3

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

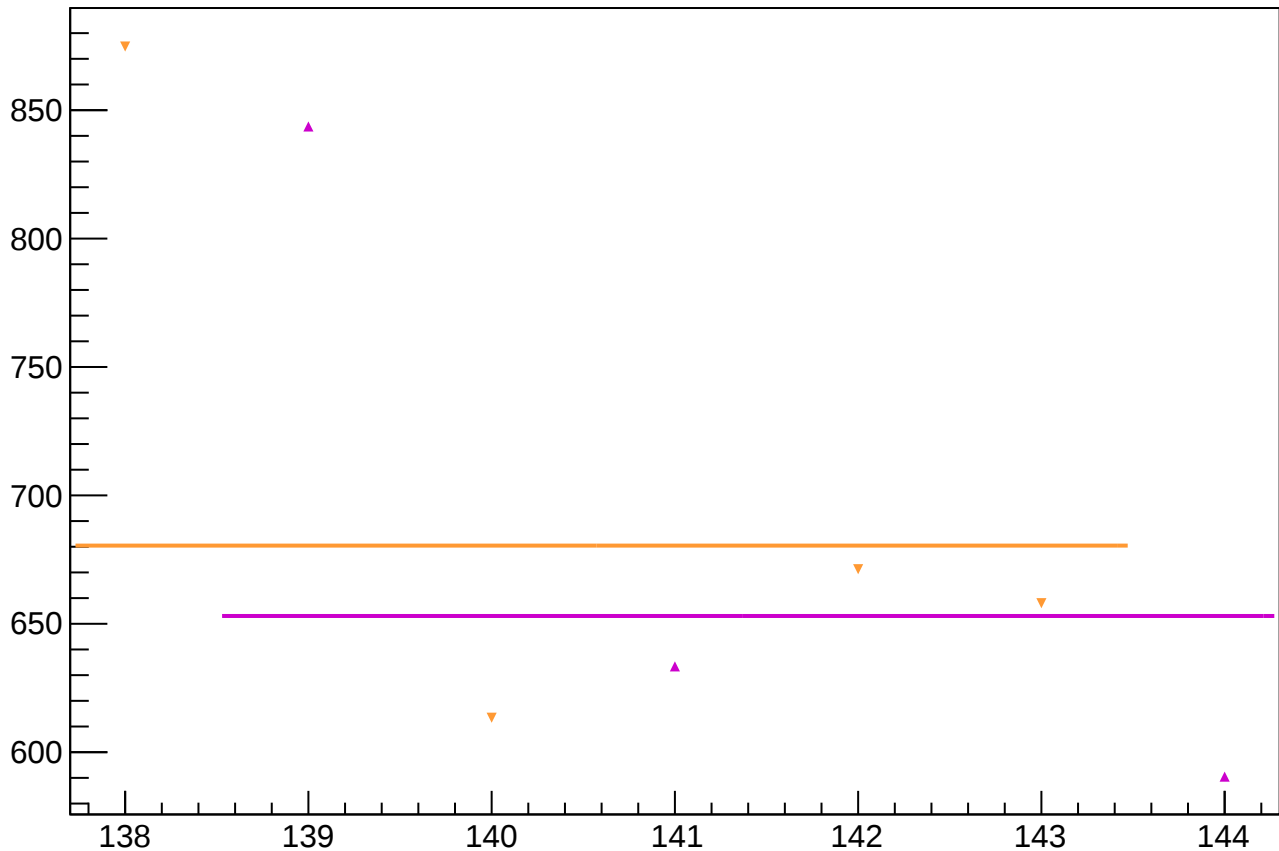
Left In: -794.353+/-425.489 χ^2/NDF : 1.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -709.310+/-300.641 χ^2/NDF : 8.1/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 680.449+/-0.300 χ^2/NDF : 92268.6/3

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

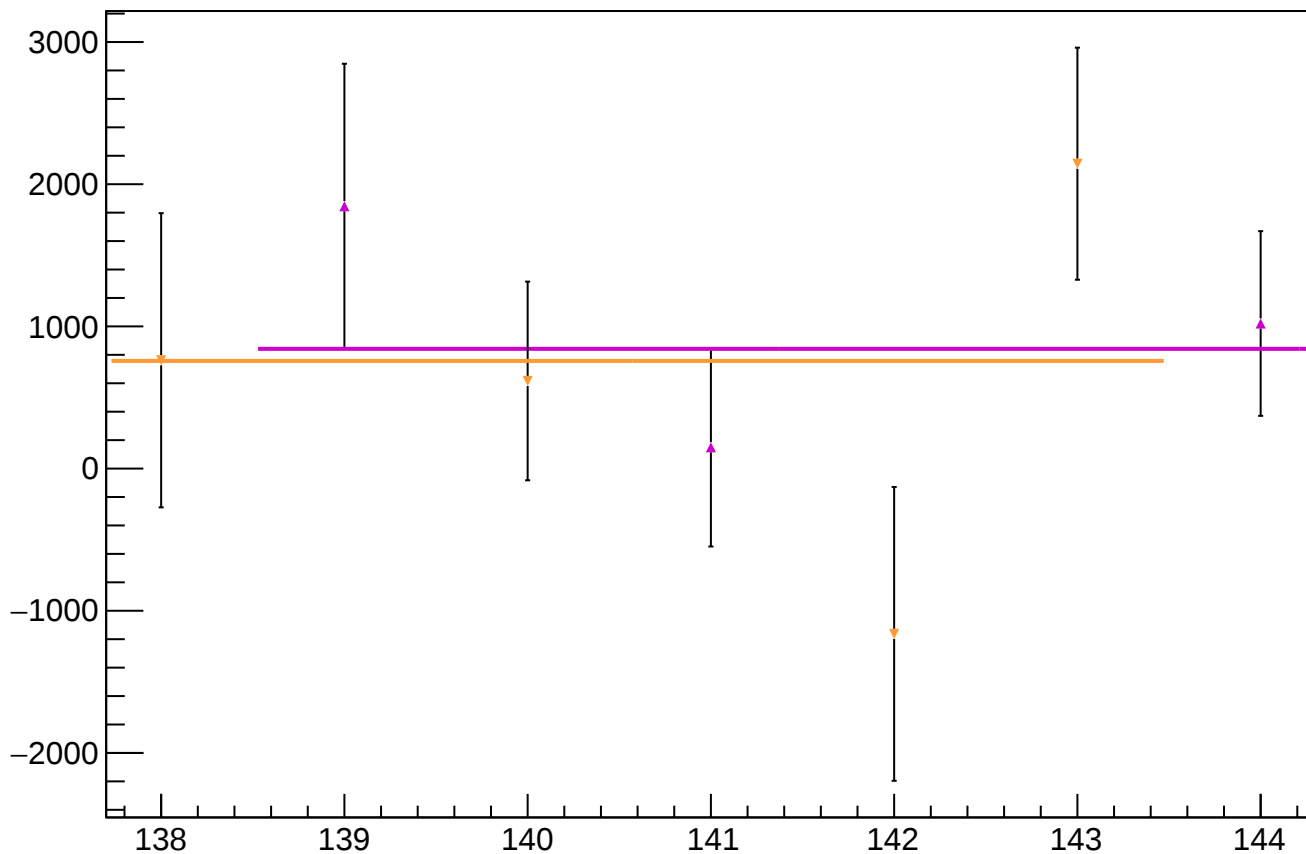
Left In: 653.043+/-0.301 χ^2/NDF : 93867.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 666.766+/-0.213 χ^2/NDF : 190291.5/6

- 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: 757.250+/-429.491 χ^2/NDF : 6.4/3

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

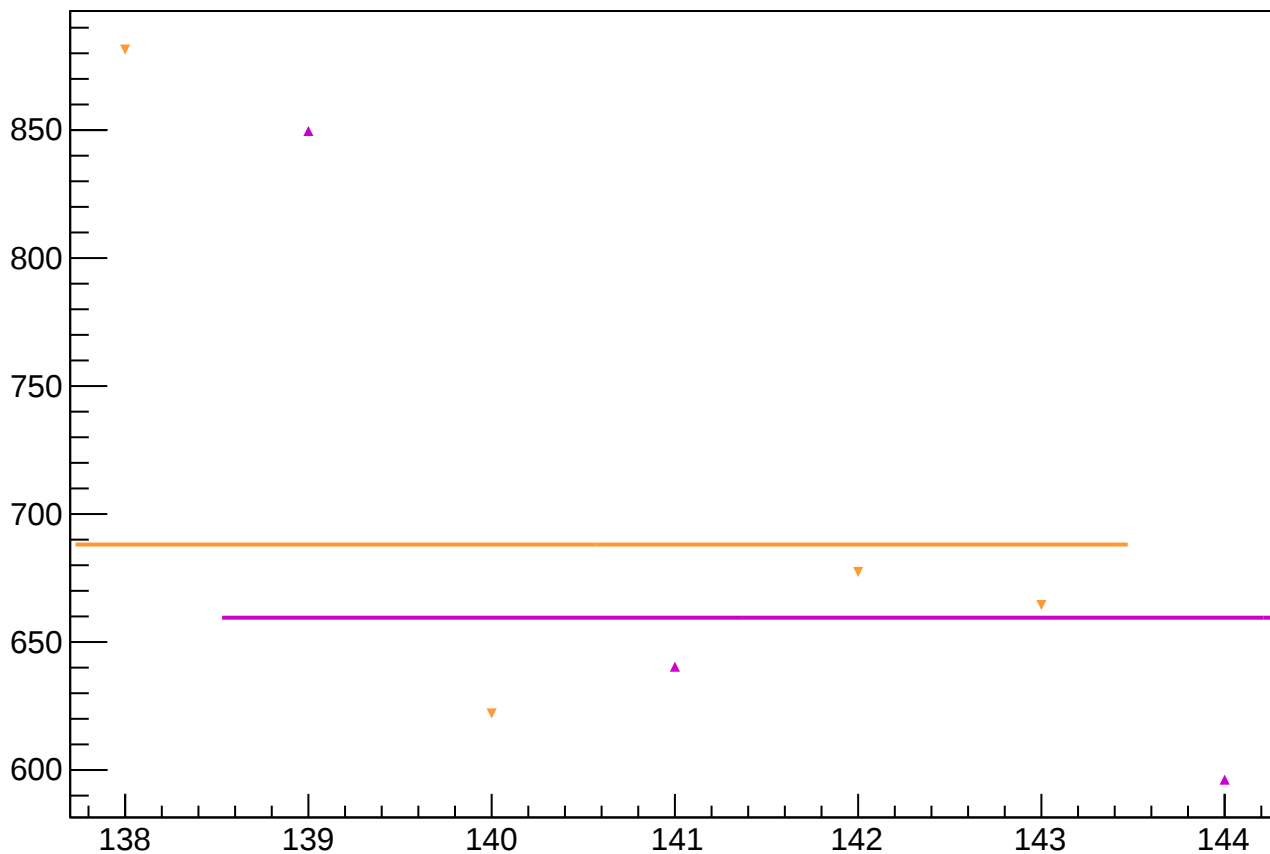
Left In: 842.106+/-429.598 χ^2/NDF : 2.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 799.668+/-303.734 χ^2/NDF : 8.5/6

- 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: 688.086+/-0.304 χ^2/NDF : 89609.4/3

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

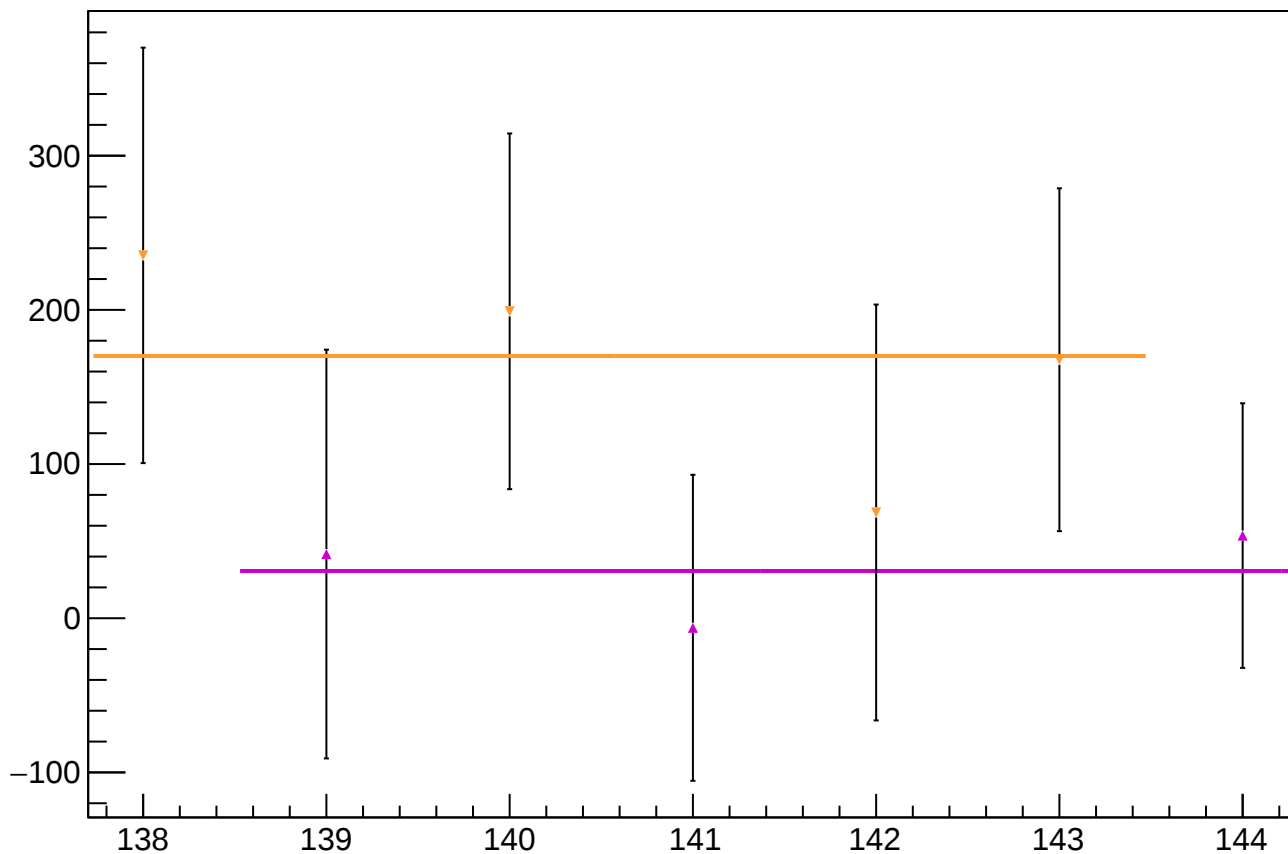
Left In: 659.504+/-0.304 χ^2/NDF : 92438.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 673.799+/-0.215 χ^2/NDF : 186474.9/6

- 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: 170.077+/-61.298 χ^2/NDF : 0.9/3

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

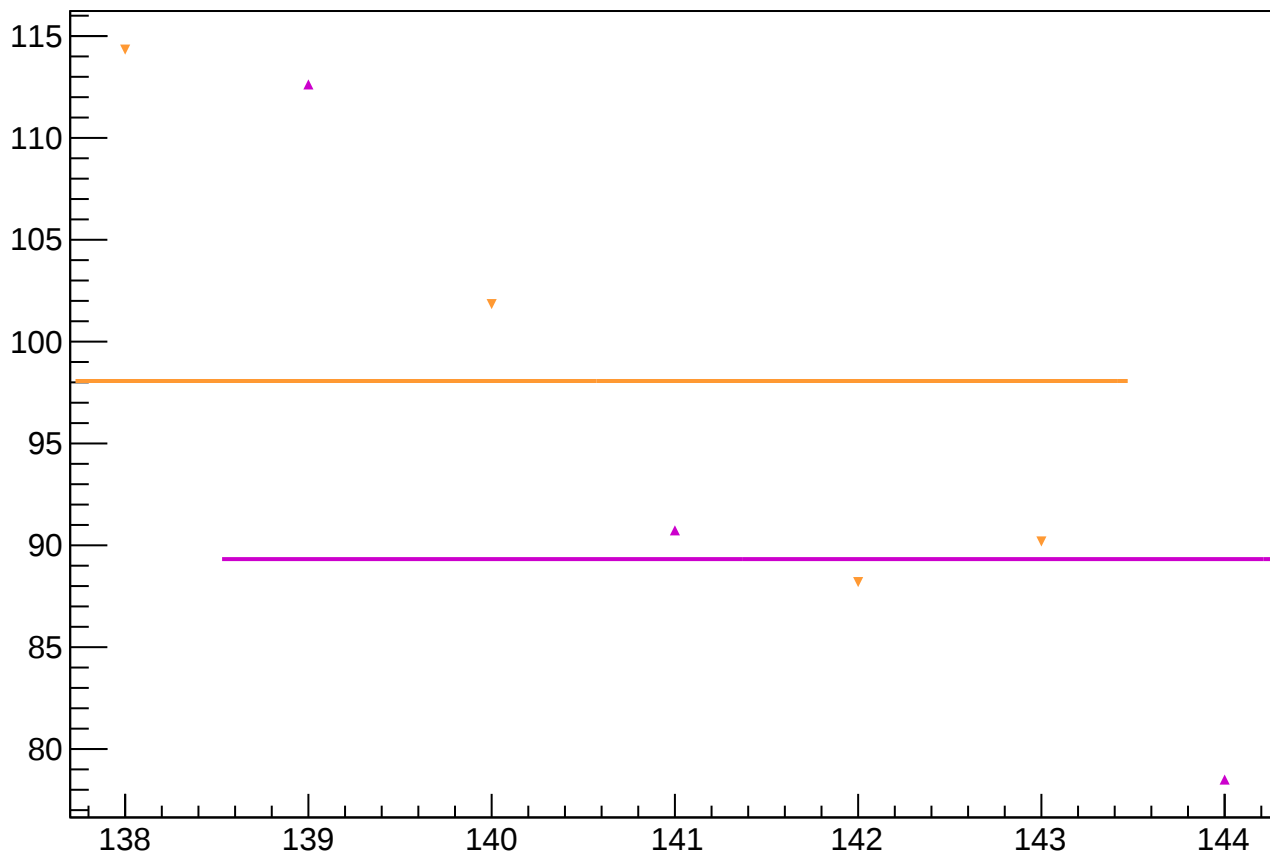
Left In: 30.651+/-58.299 χ^2/NDF : 0.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 96.870+/-42.244 χ^2/NDF : 3.8/6

- 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: 98.067+/-0.043 χ^2/NDF : 52058.1/3

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

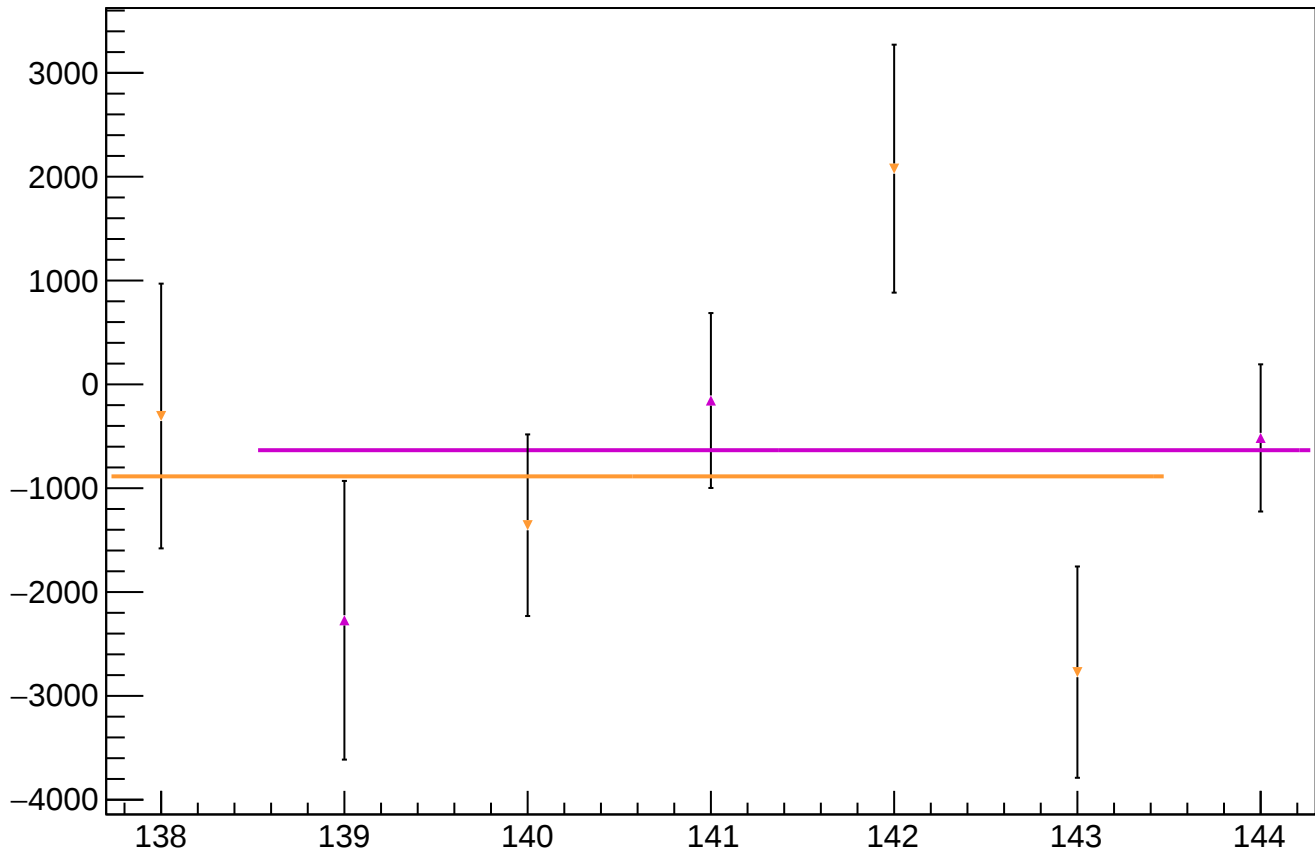
Left In: 89.324+/-0.041 χ^2/NDF : 94016.3/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 93.476+/-0.030 χ^2/NDF : 167439.5/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -885.877+/-527.763 χ^2/NDF :10.1/3

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

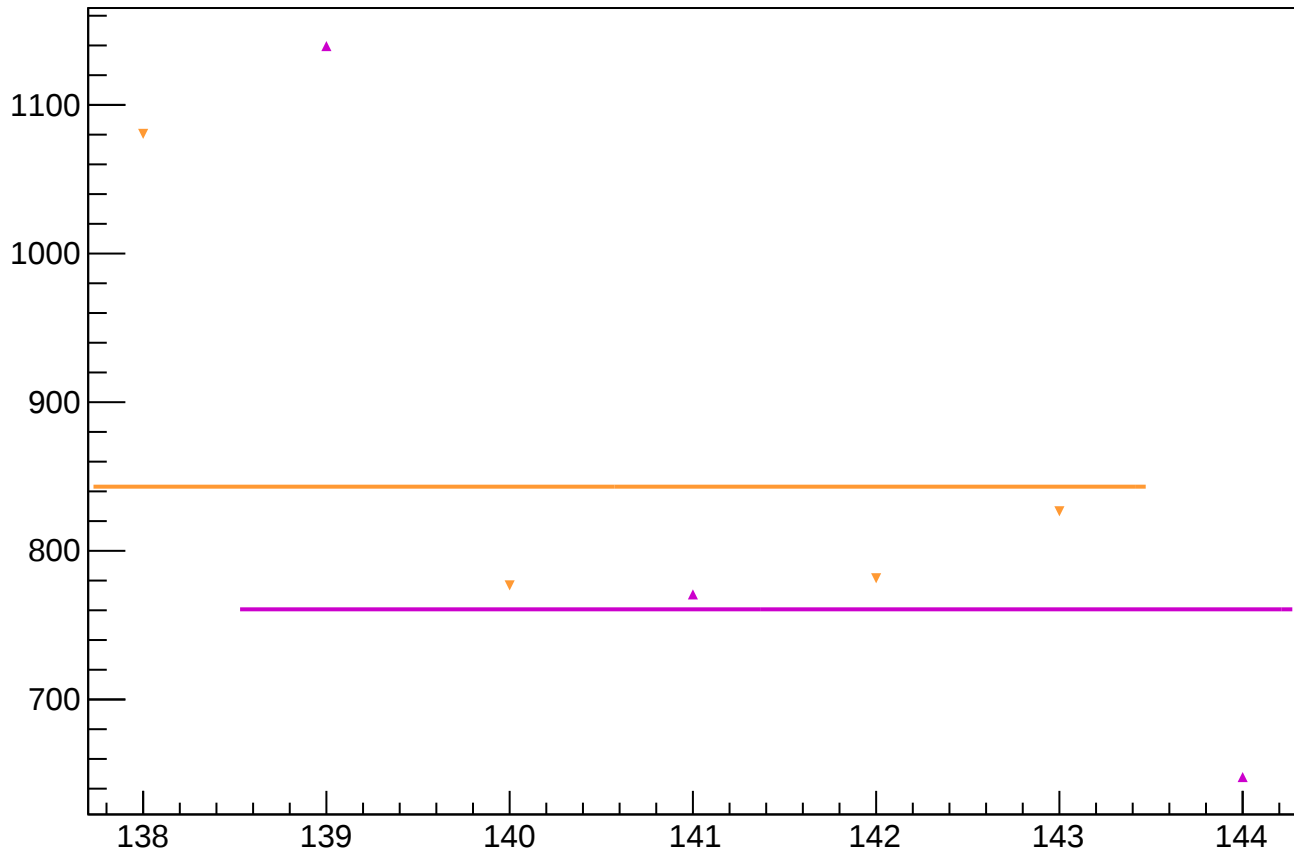
Left In: -633.849+/-502.786 χ^2/NDF :1.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -753.758+/-364.033 χ^2/NDF : 12.0/6

- sign 0.000+/-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: 843.171+/-0.373 χ^2/NDF : 86719.1/3

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

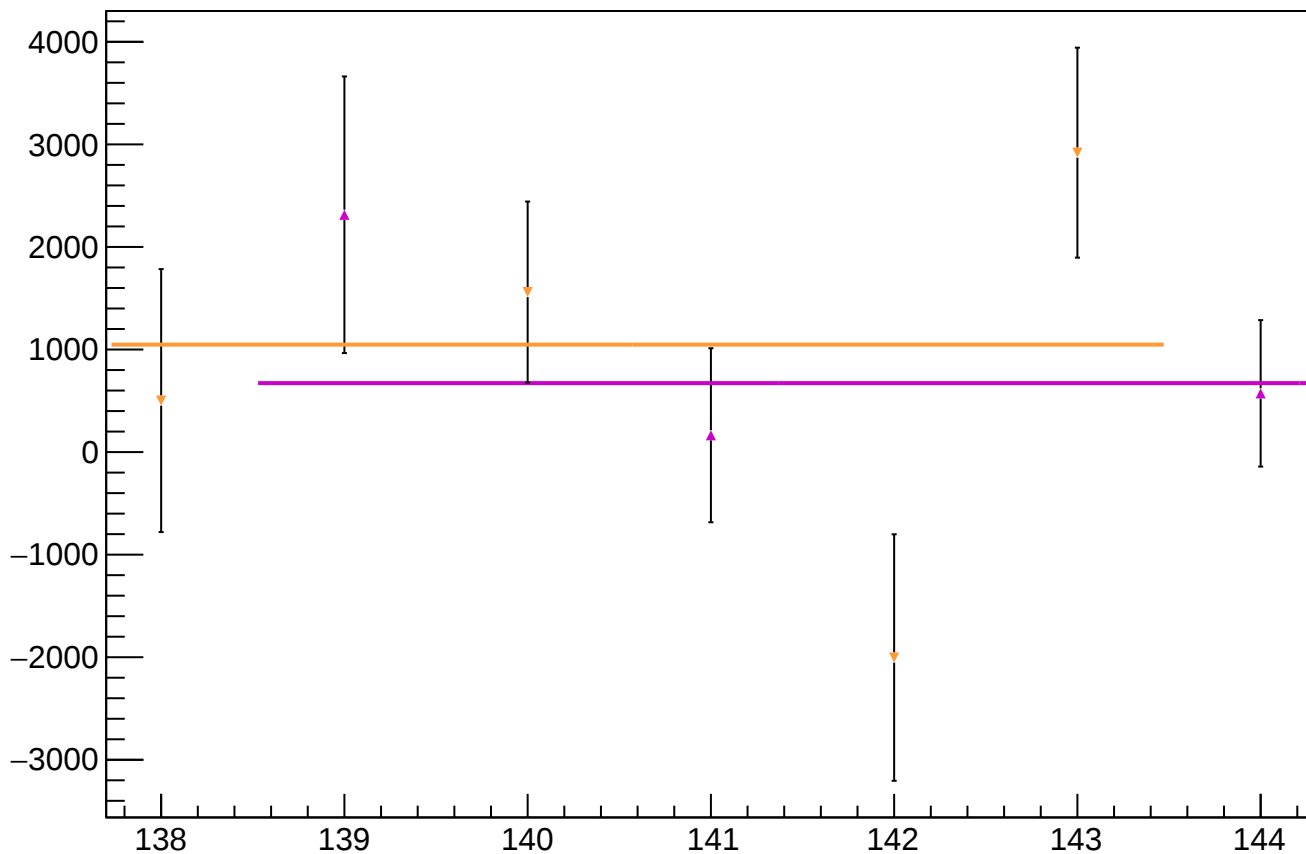
Left In: 760.648+/-0.356 χ^2/NDF : 210477.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 799.910+/-0.257 χ^2/NDF : 322830.5/6

- 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: 1047.660+/-531.534 χ^2/NDF : 10.3/3

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

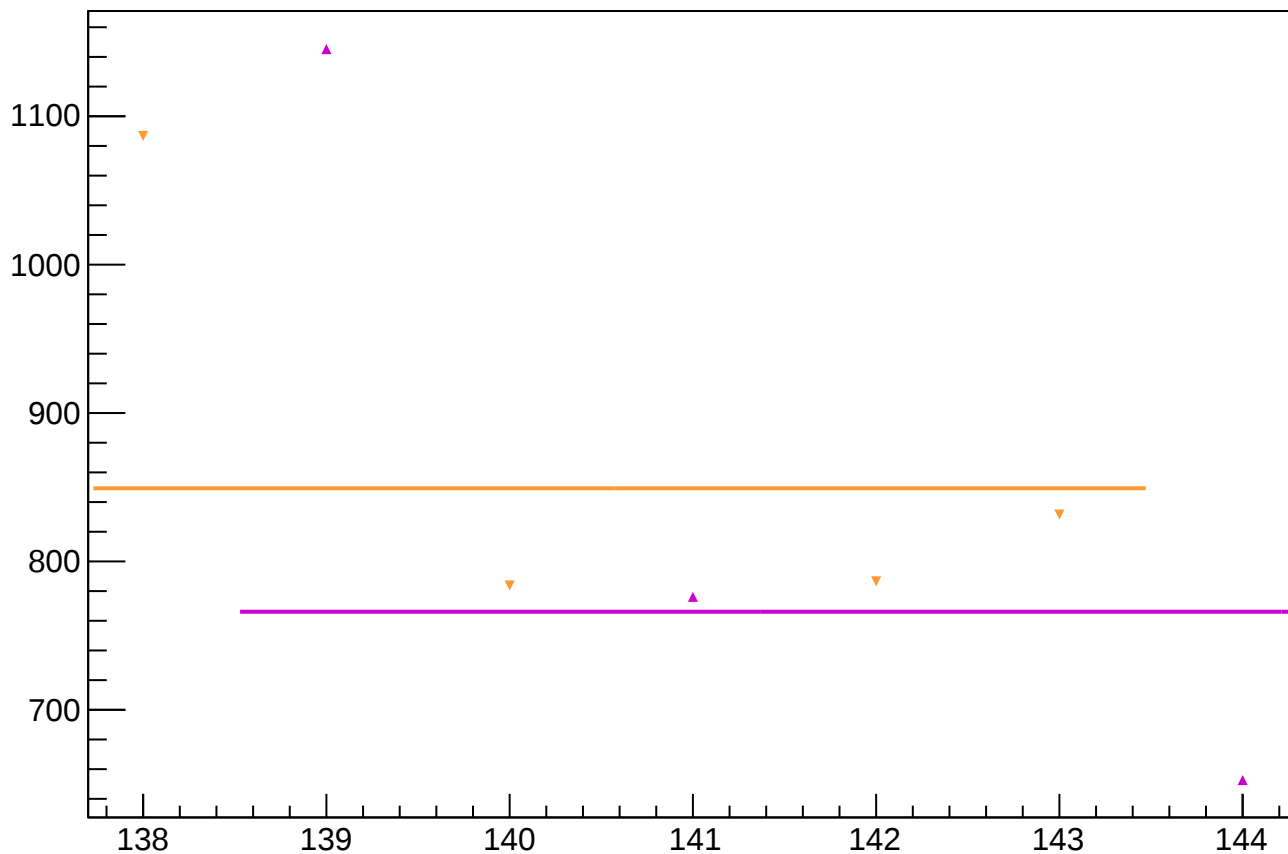
Left In: 672.405+/-506.287 χ^2/NDF : 1.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 850.909+/-366.599 χ^2/NDF : 12.4/6

- 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: 849.291+/-0.376 χ^2/NDF : 85669.4/3

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

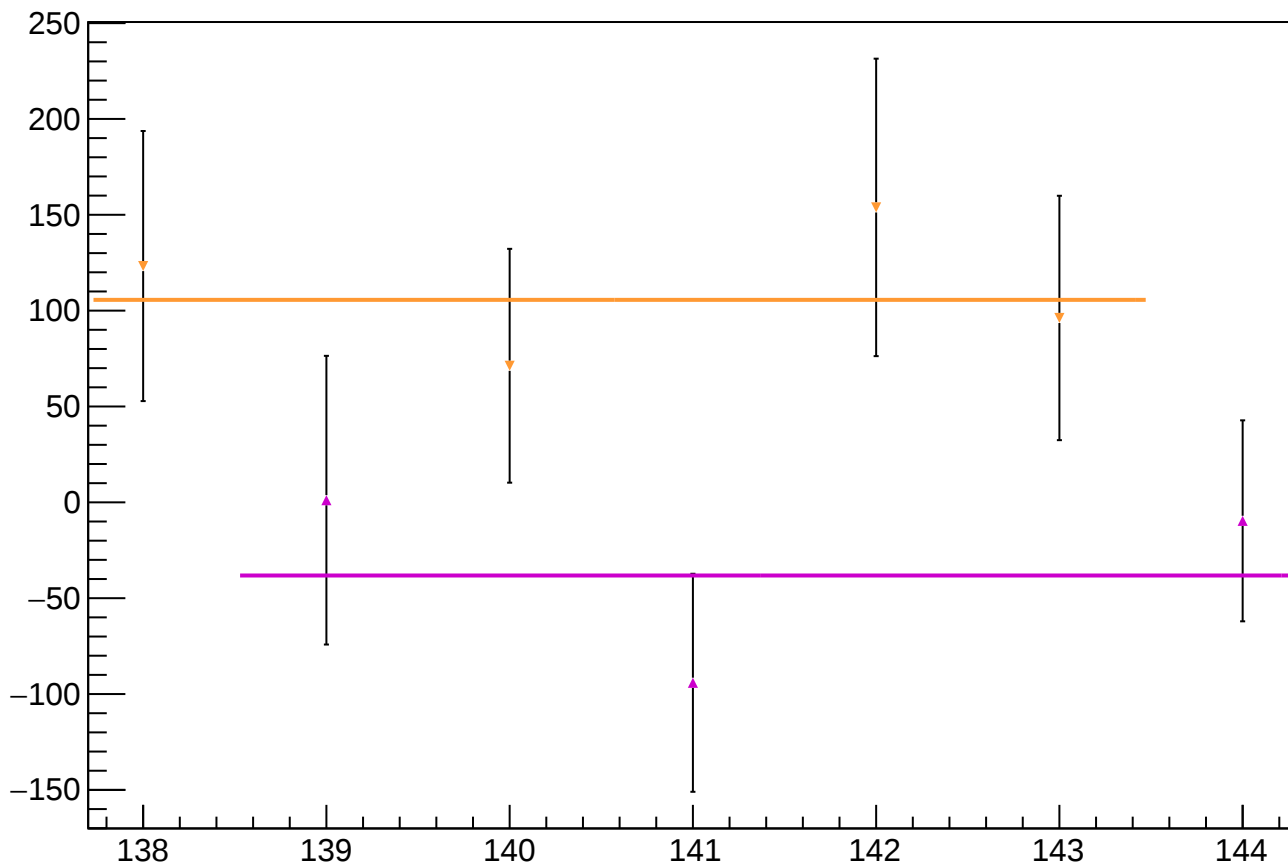
Left In: 766.102+/-0.358 χ^2/NDF : 208880.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 805.674+/-0.259 χ^2/NDF : 320235.7/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 105.622 $\pm$ 33.659 χ^2 /NDF: 0.8/3

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

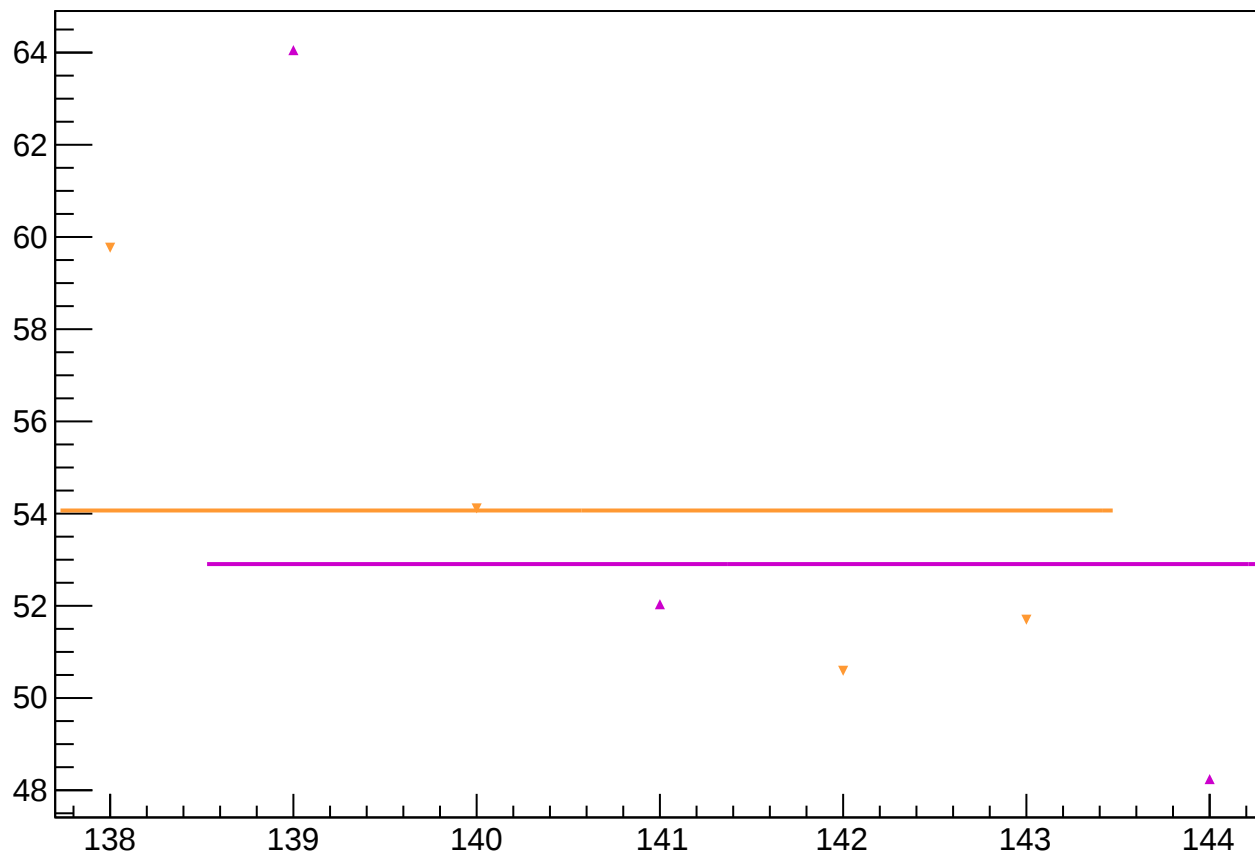
Left In: -38.160 $\pm$ 34.309 χ^2 /NDF: 1.5/2

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

All: 35.105 $\pm$ 24.027 χ^2 /NDF: 11.3/6

- sign 0.000 $\pm$ 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: 54.068+/-0.024 χ^2/NDF :19873.8/3

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

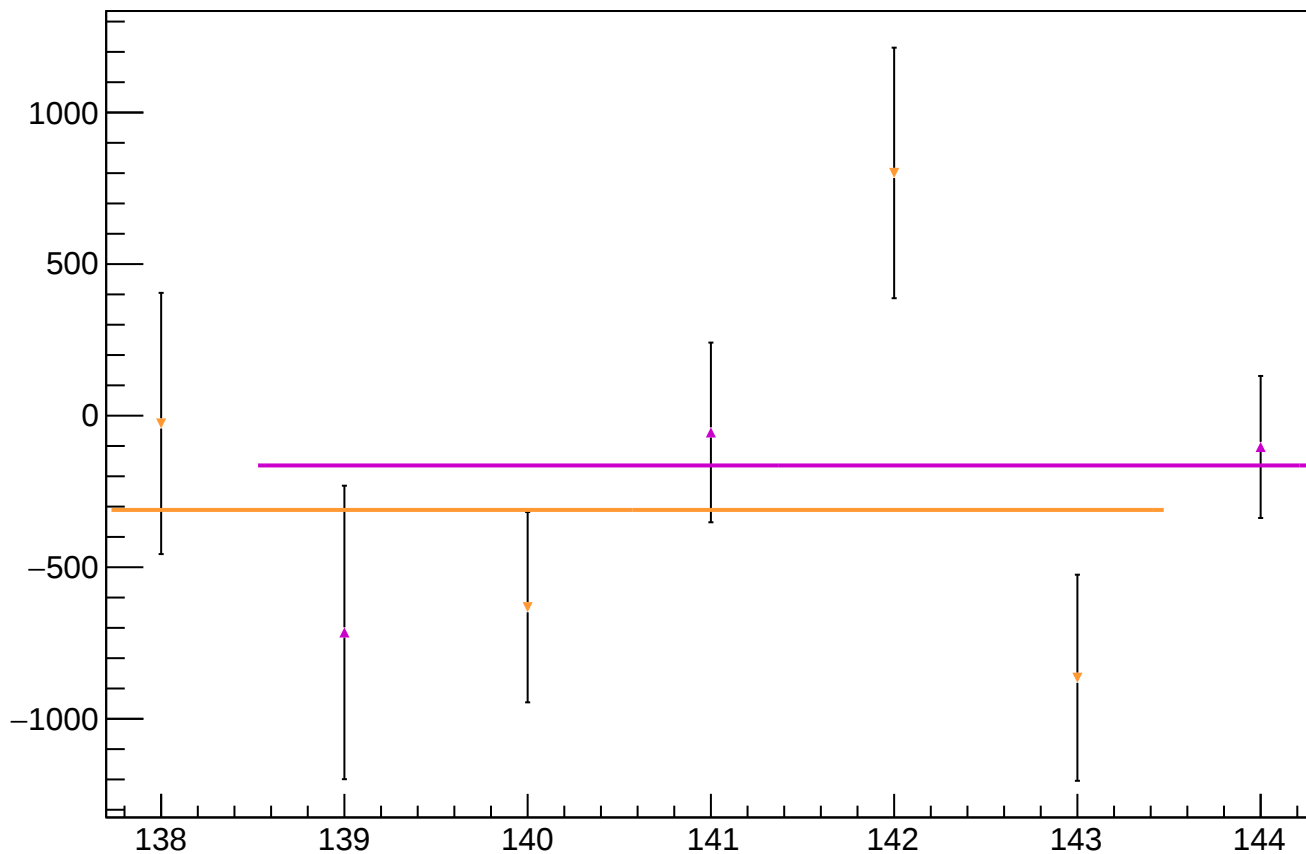
Left In: 52.905+/-0.024 χ^2/NDF :60140.3/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 53.498+/-0.017 χ^2/NDF : 81184.0/6

- 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: -310.949+/-182.435 χ^2/NDF : 11.4/3

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

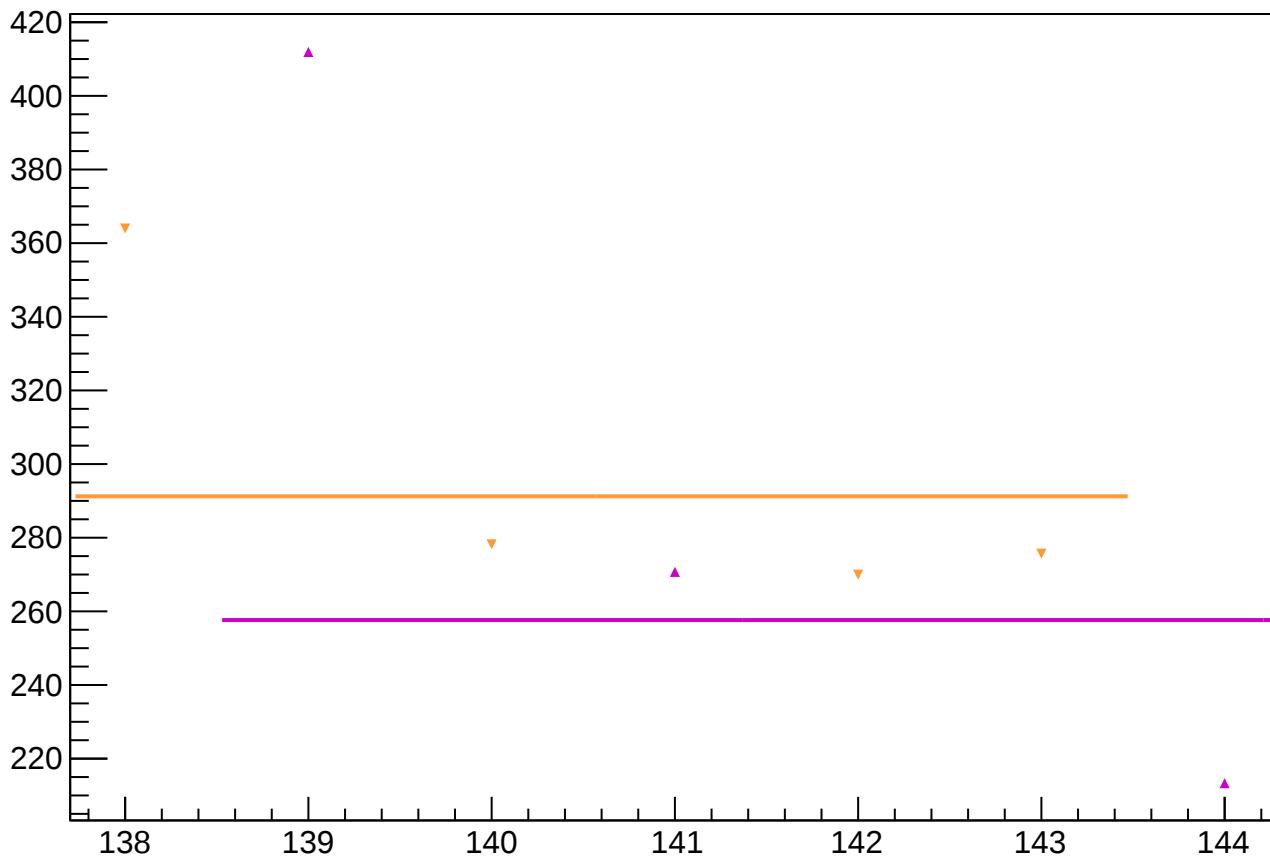
Left In: -164.219+/-171.811 χ^2/NDF : 1.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -233.188+/-125.076 χ^2/NDF : 13.2/6

- 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: 291.234+/-0.129 χ^2/NDF : 69936.4/3

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

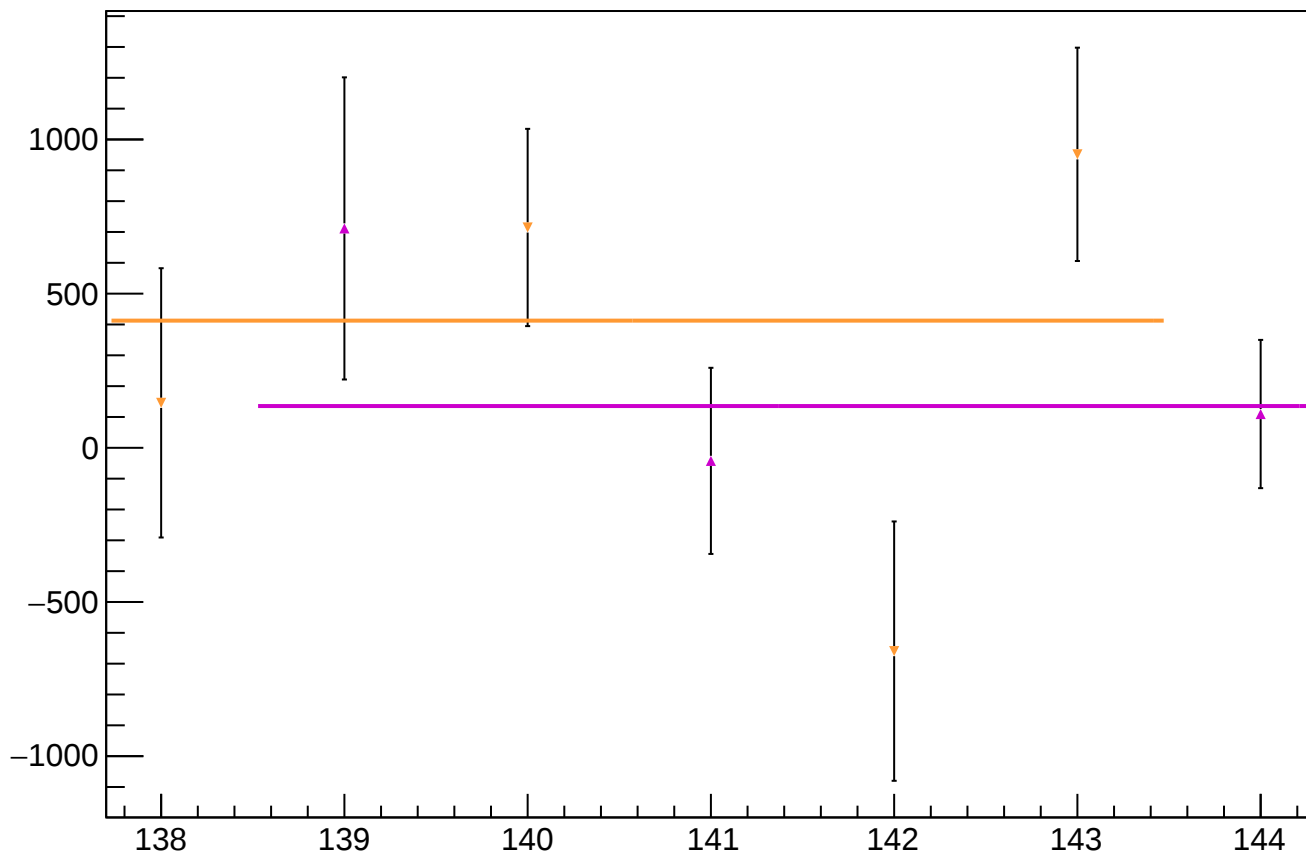
Left In: 257.635+/-0.121 χ^2/NDF : 278617.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 273.428+/-0.088 χ^2/NDF : 384506.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_mean vs Slug



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

Left Out: 412.498 $\pm$ 185.605 χ^2 /NDF:10.2/3

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

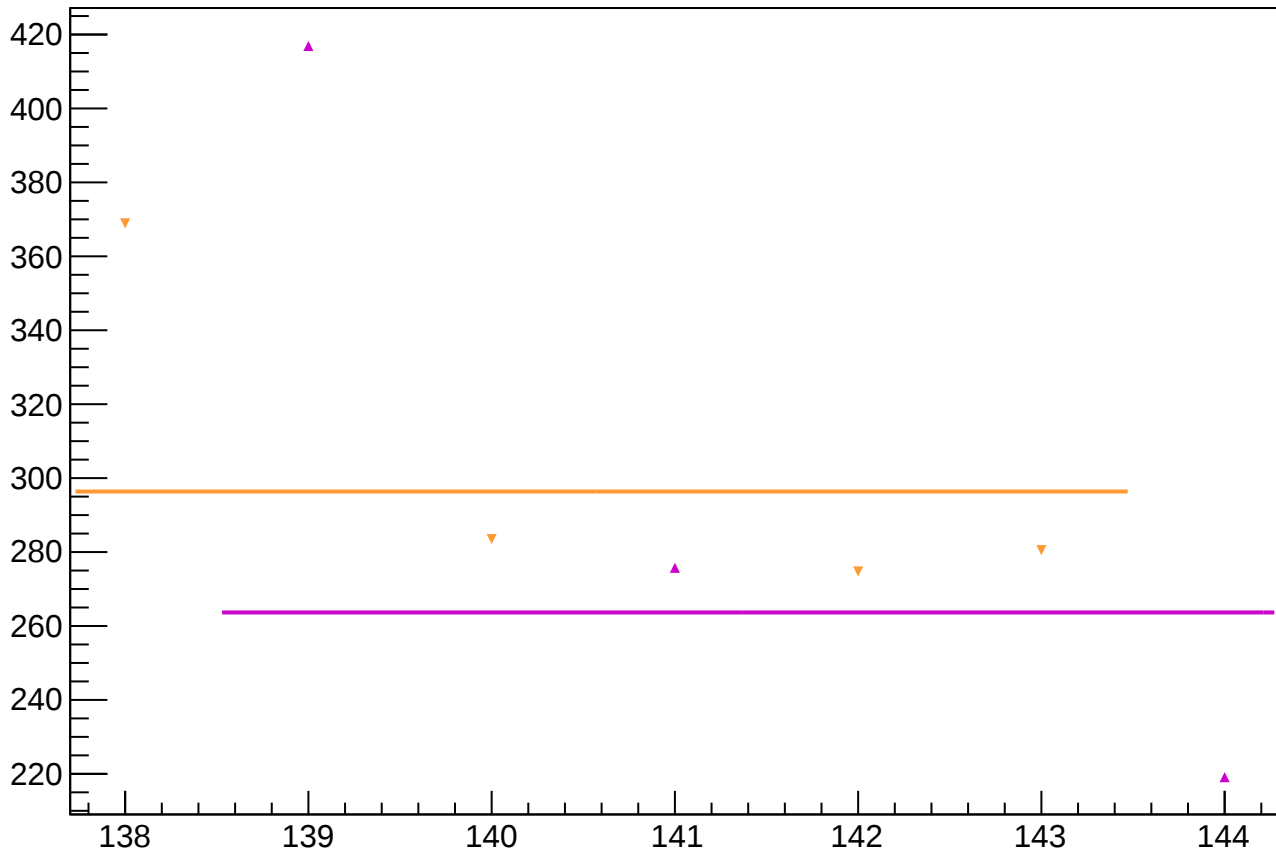
Left In: 135.478 $\pm$ 175.557 χ^2 /NDF:1.7/2

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

All: 266.287 $\pm$ 127.542 χ^2 /NDF: 13.1/6

- sign 0.000 $\pm$ 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: 296.377+/-0.131 χ^2/NDF : 67918.1/3

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

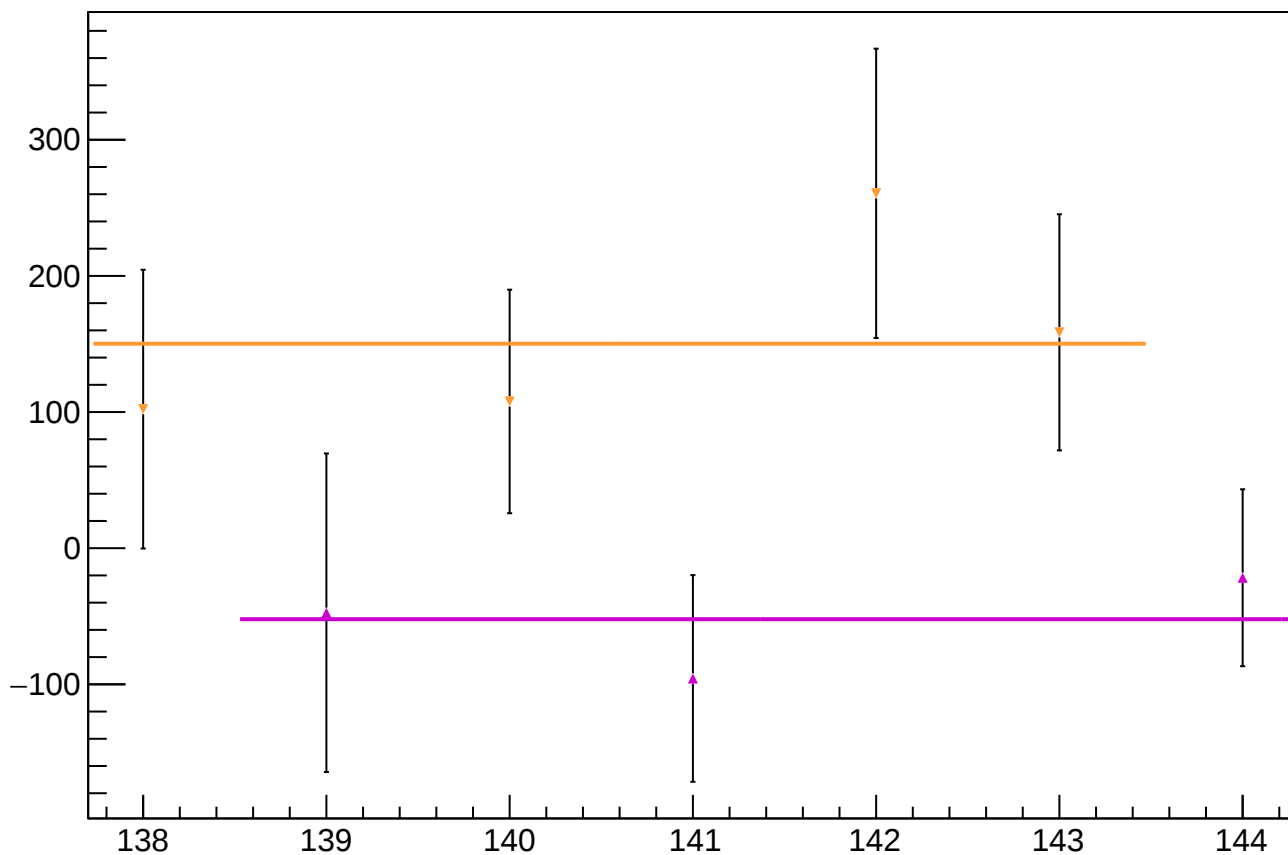
Left In: 263.662+/-0.124 χ^2/NDF : 267587.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 279.110+/-0.090 χ^2/NDF : 368301.0/6

- 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: 150.219+/-46.363 χ^2/NDF : 1.6/3

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

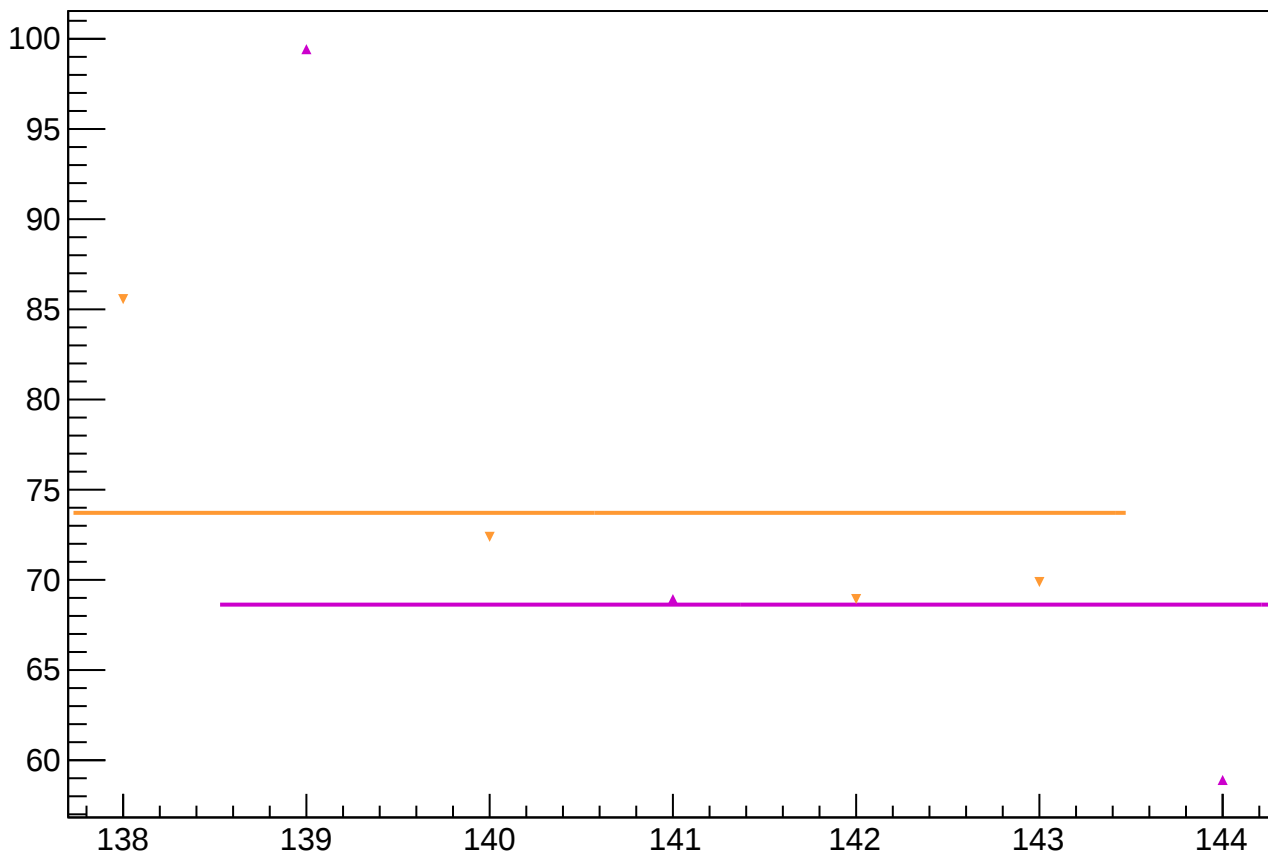
Left In: -52.156+/-45.480 χ^2/NDF : 0.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.086+/-32.467 χ^2/NDF : 11.8/6

- 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: 73.717+/-0.033 χ^2/NDF : 35278.6/3

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

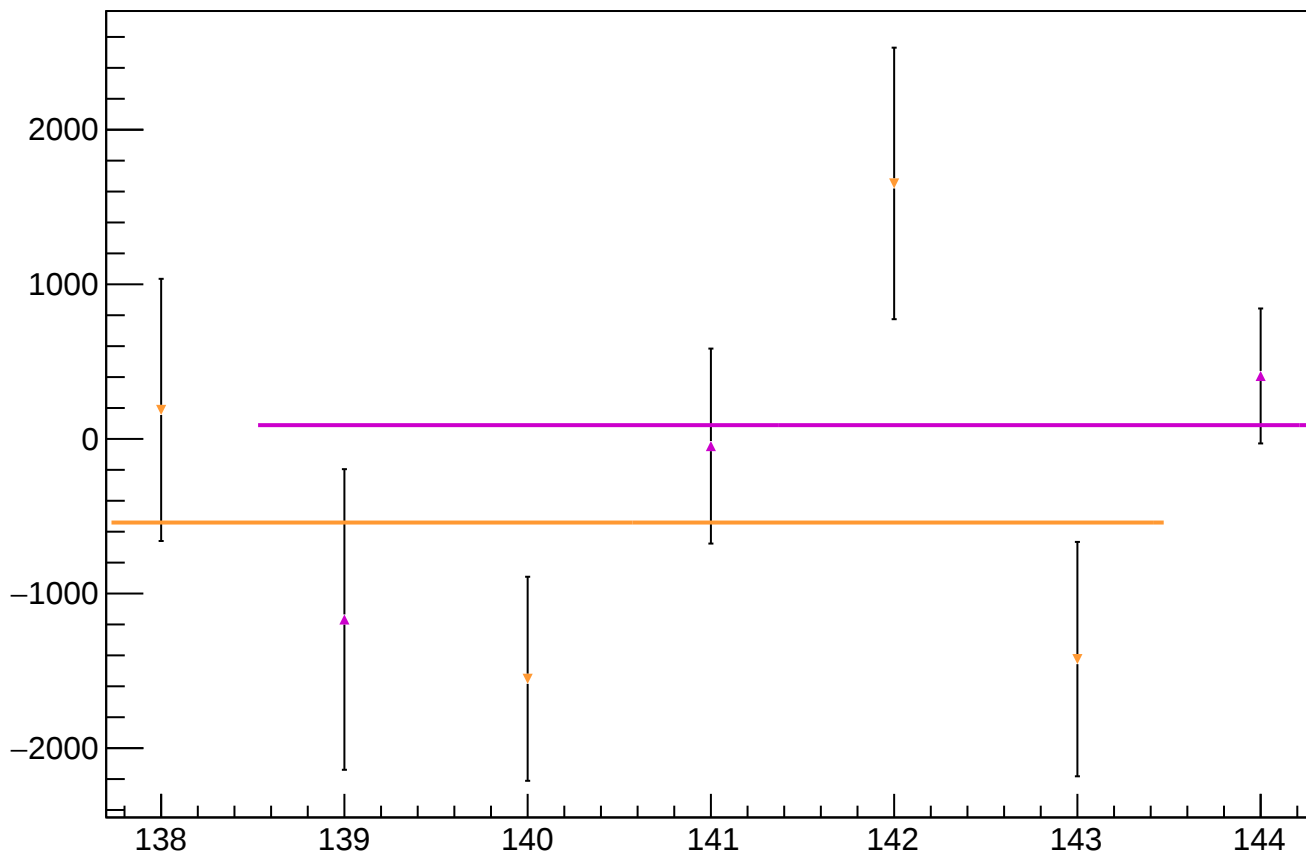
Left In: 68.627+/-0.032 χ^2/NDF : 183366.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 71.123+/-0.023 χ^2/NDF : 230928.1/6

- 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 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -540.779 ± 385.614 $\chi^2/\text{NDF}: 10.7/3$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

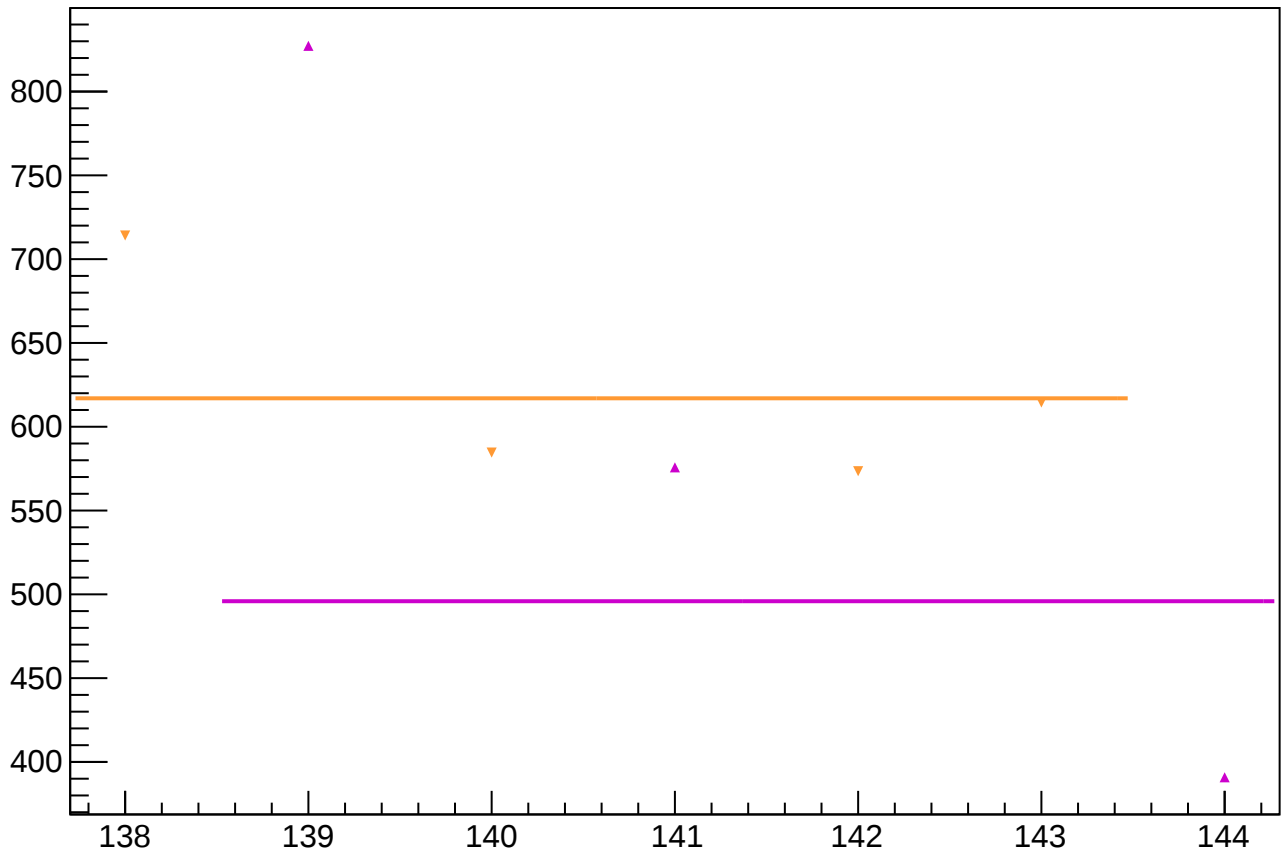
Left In: 89.104 ± 336.664 $\chi^2/\text{NDF}: 2.2/2$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

All: -183.344 ± 253.609 $\chi^2/\text{NDF}: 14.4/6$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 616.968+/-0.273 χ^2/NDF : 36002.1/3

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

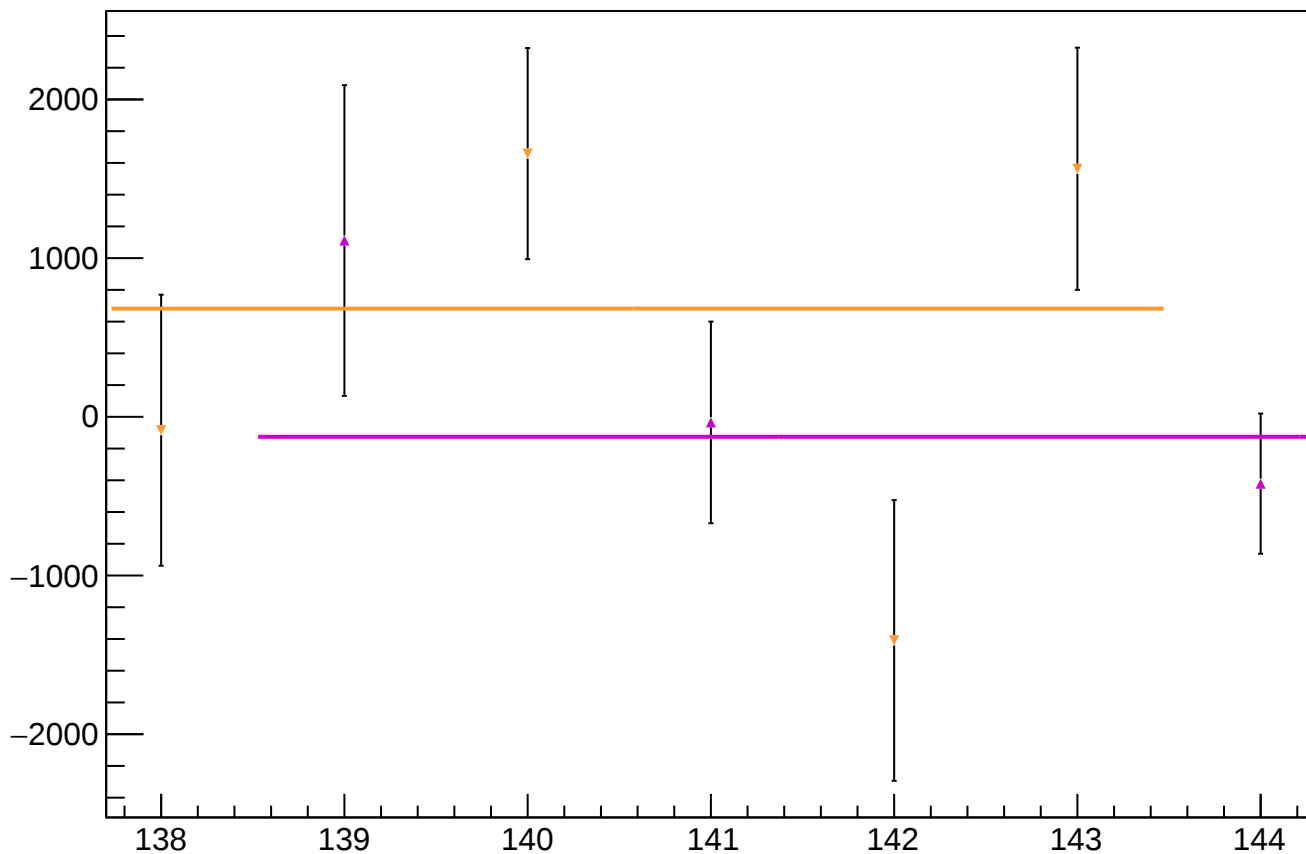
Left In: 495.900+/-0.238 χ^2/NDF : 380323.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 548.267+/-0.179 χ^2/NDF : 528197.7/6

- 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: 681.955+/-388.458 χ^2/NDF : 9.9/3

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

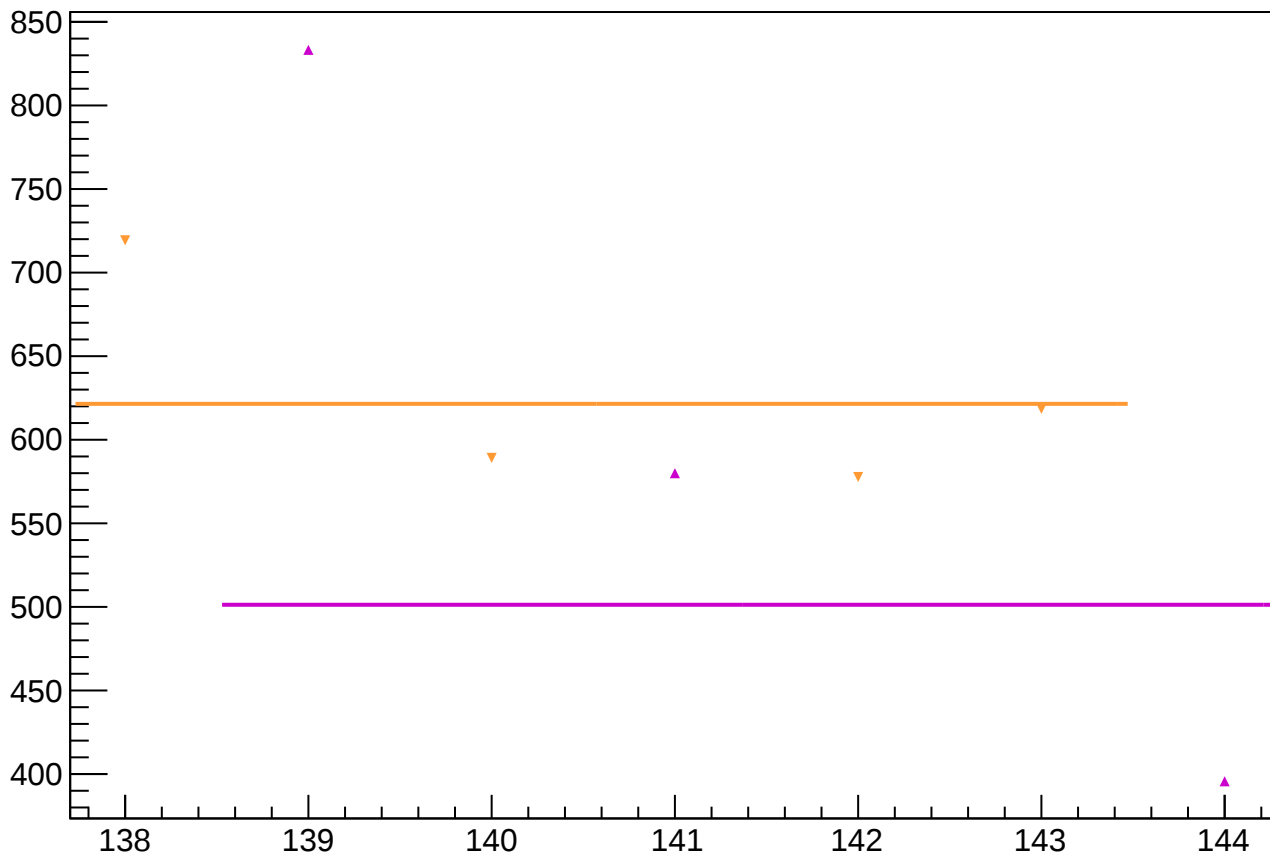
Left In: -125.848+/-340.057 χ^2/NDF : 2.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 224.621+/-255.868 χ^2/NDF : 14.4/6

- 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: 621.481+/-0.275 χ^2/NDF : 35896.8/3

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

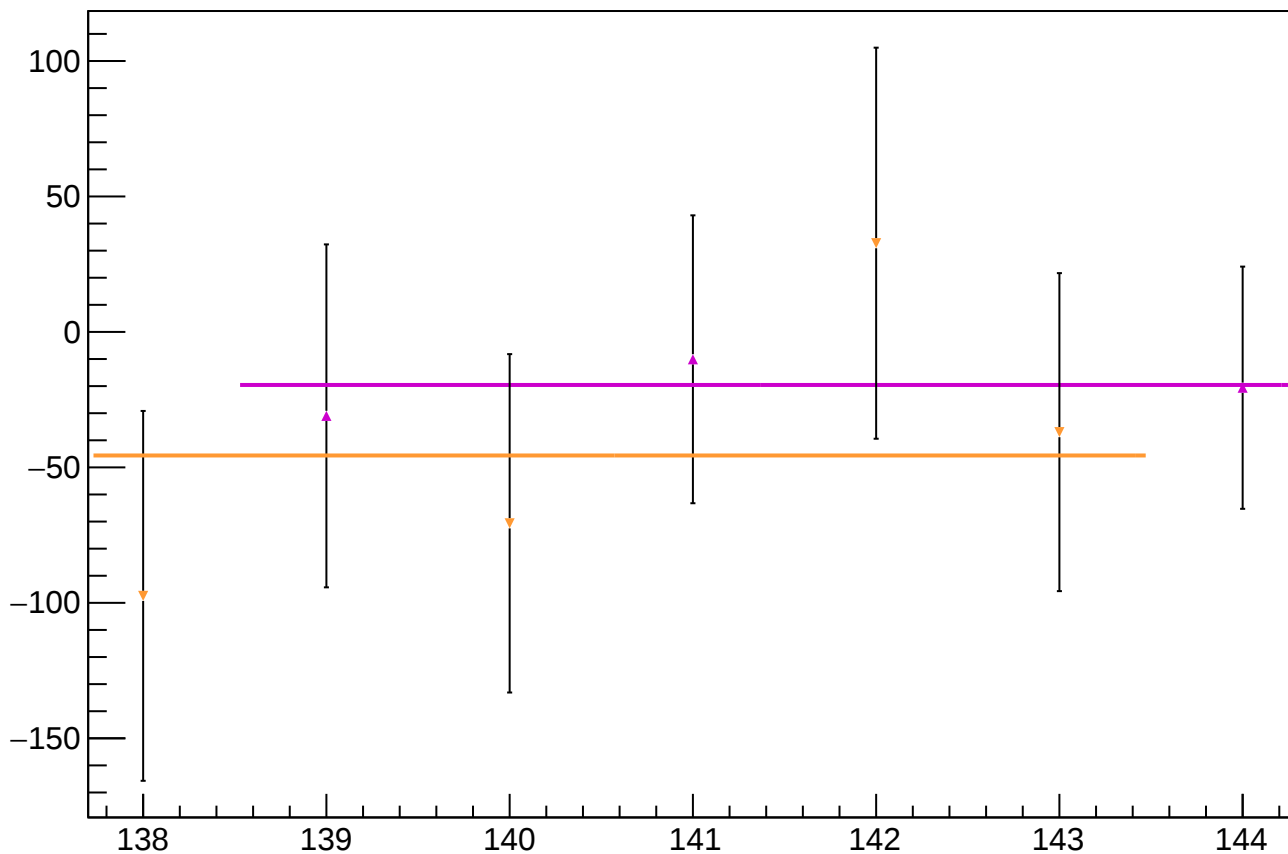
Left In: 501.273+/-0.240 χ^2/NDF : 374920.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 553.426+/-0.181 χ^2/NDF : 519243.2/6

- 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: -45.603+/-32.388 χ^2/NDF : 1.9/3

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

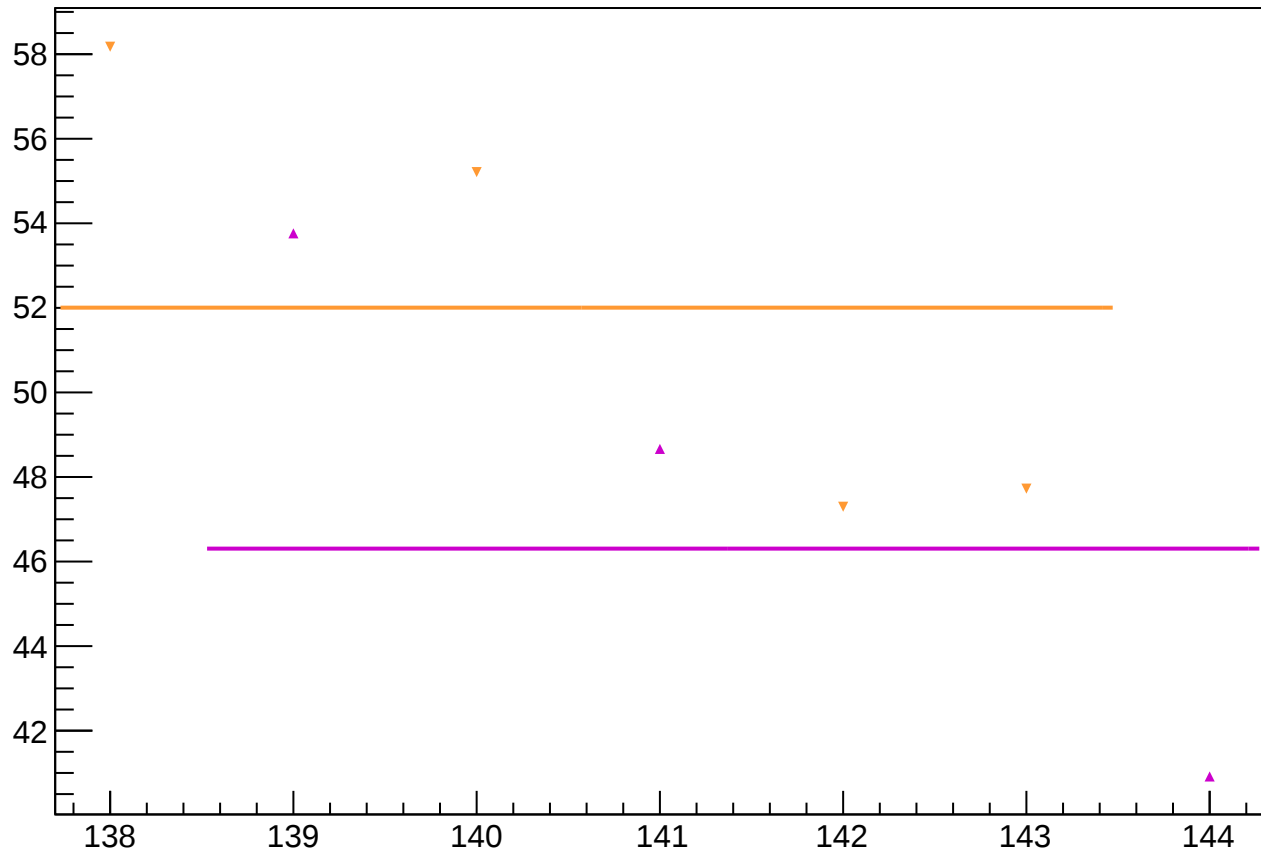
Left In: -19.577+/-30.093 χ^2/NDF : 0.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.635+/-22.045 χ^2/NDF : 2.3/6

- 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: 52.005+/-0.023 χ^2/NDF : 40775.0/3

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

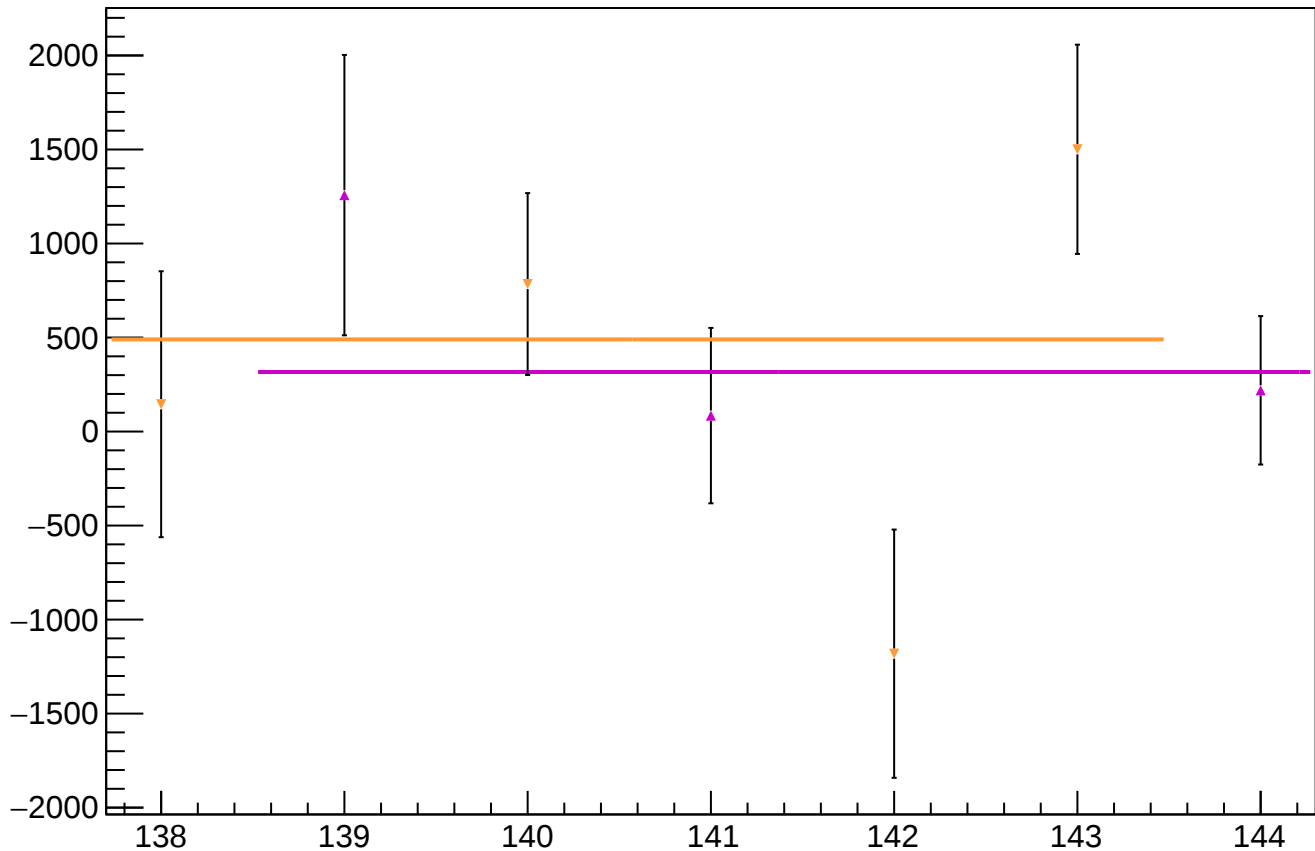
Left In: 46.306+/-0.021 χ^2/NDF : 60764.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 48.946+/-0.016 χ^2/NDF : 134776.8/6

- 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: 489.970+/-291.092 χ^2/NDF :10.3/3

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

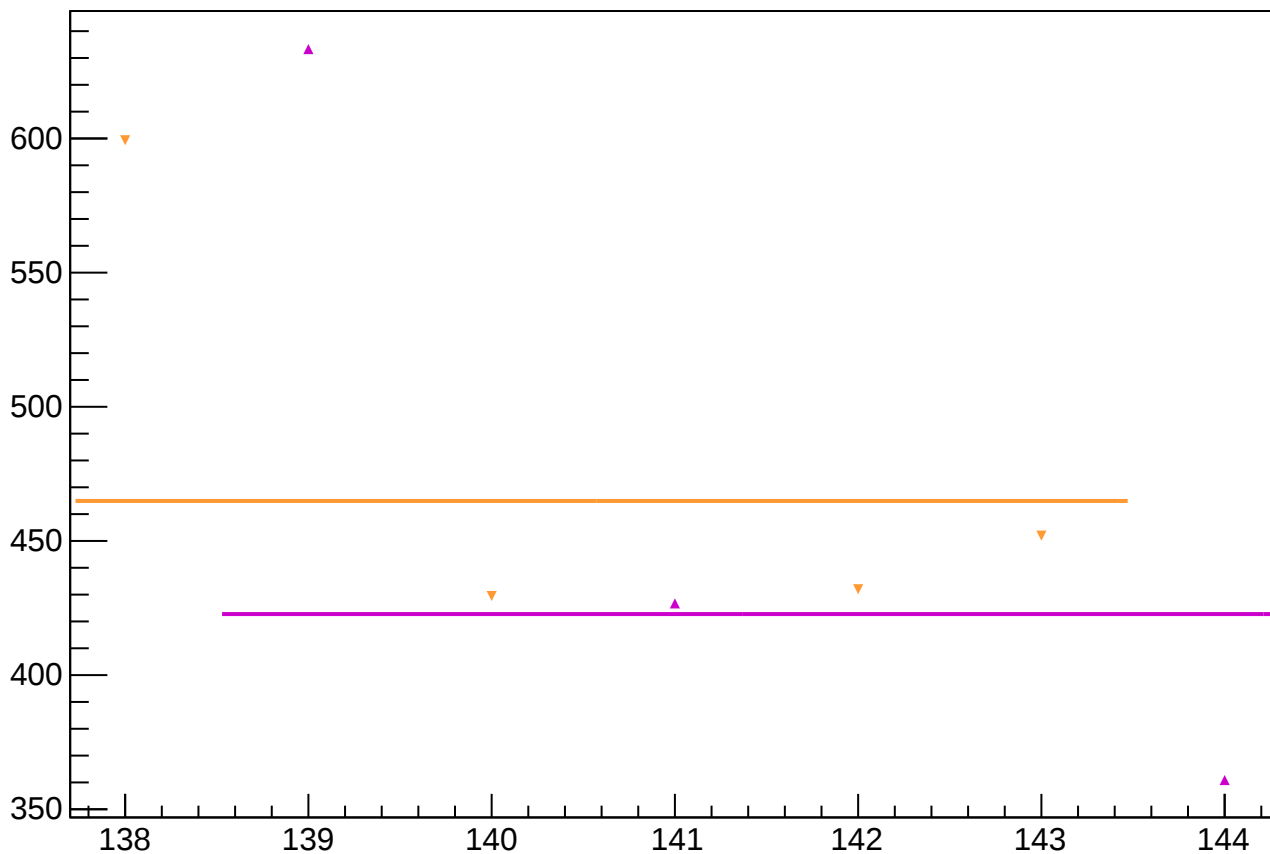
Left In: 316.733+/-279.360 χ^2/NDF :1.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 399.790+/-201.557 χ^2/NDF : 12.4/6

- 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: 464.909+/-0.206 χ^2/NDF : 89071.3/3

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

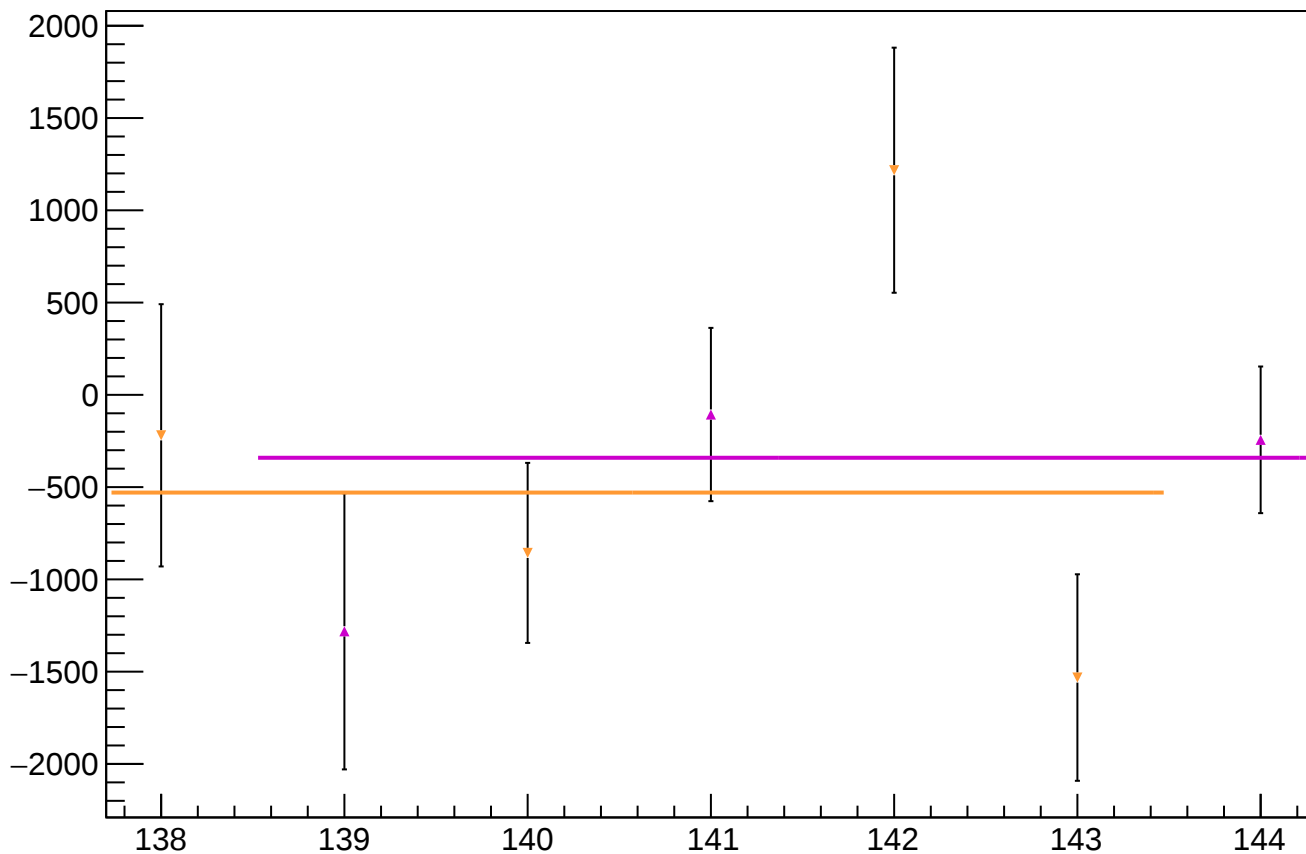
Left In: 422.749+/-0.198 χ^2/NDF : 208765.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 442.962+/-0.143 χ^2/NDF : 319676.8/6

- 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: -529.529+/-293.046 χ^2/NDF :10.8/3

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

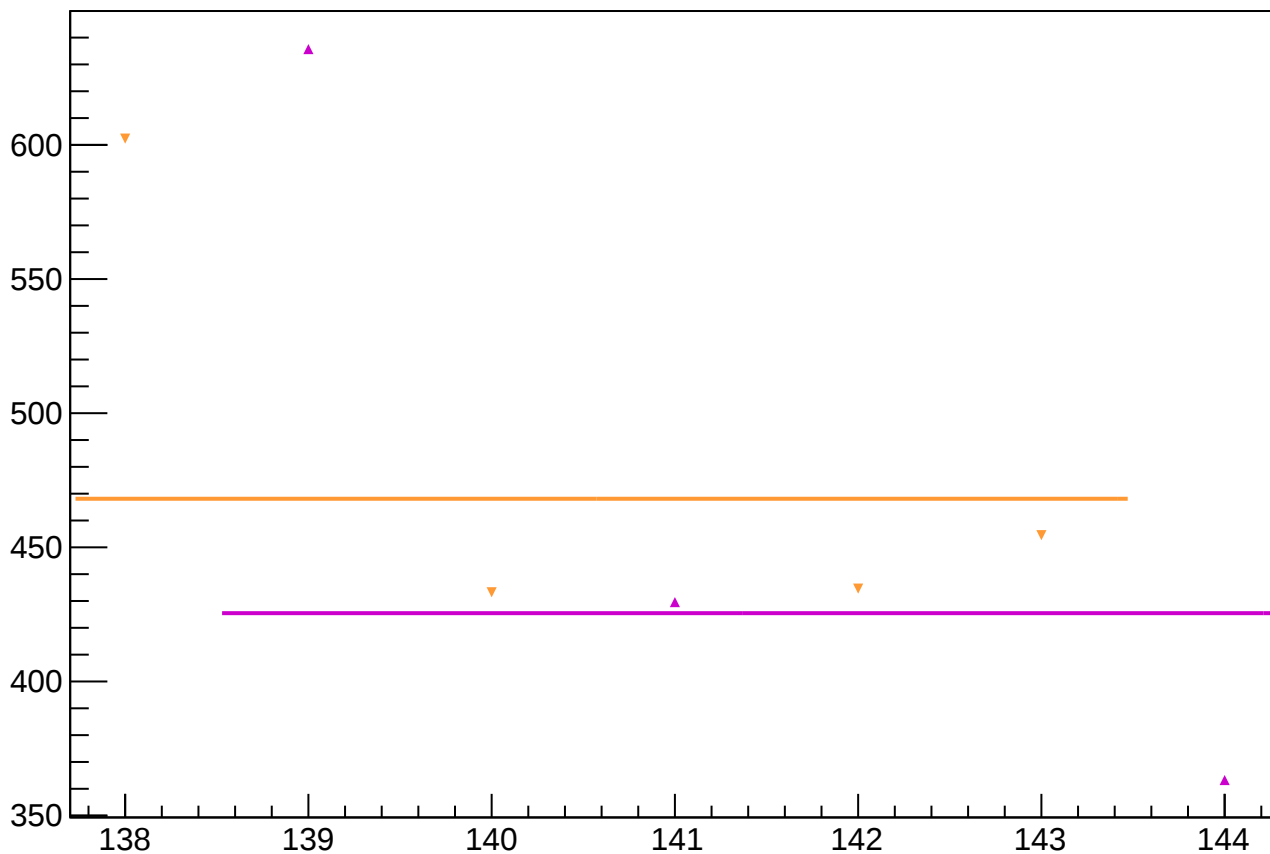
Left In: -340.958+/-281.086 χ^2/NDF :1.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -431.317+/-202.854 χ^2/NDF : 12.9/6

- 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: 468.111+/-0.207 χ^2/NDF : 87856.1/3

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

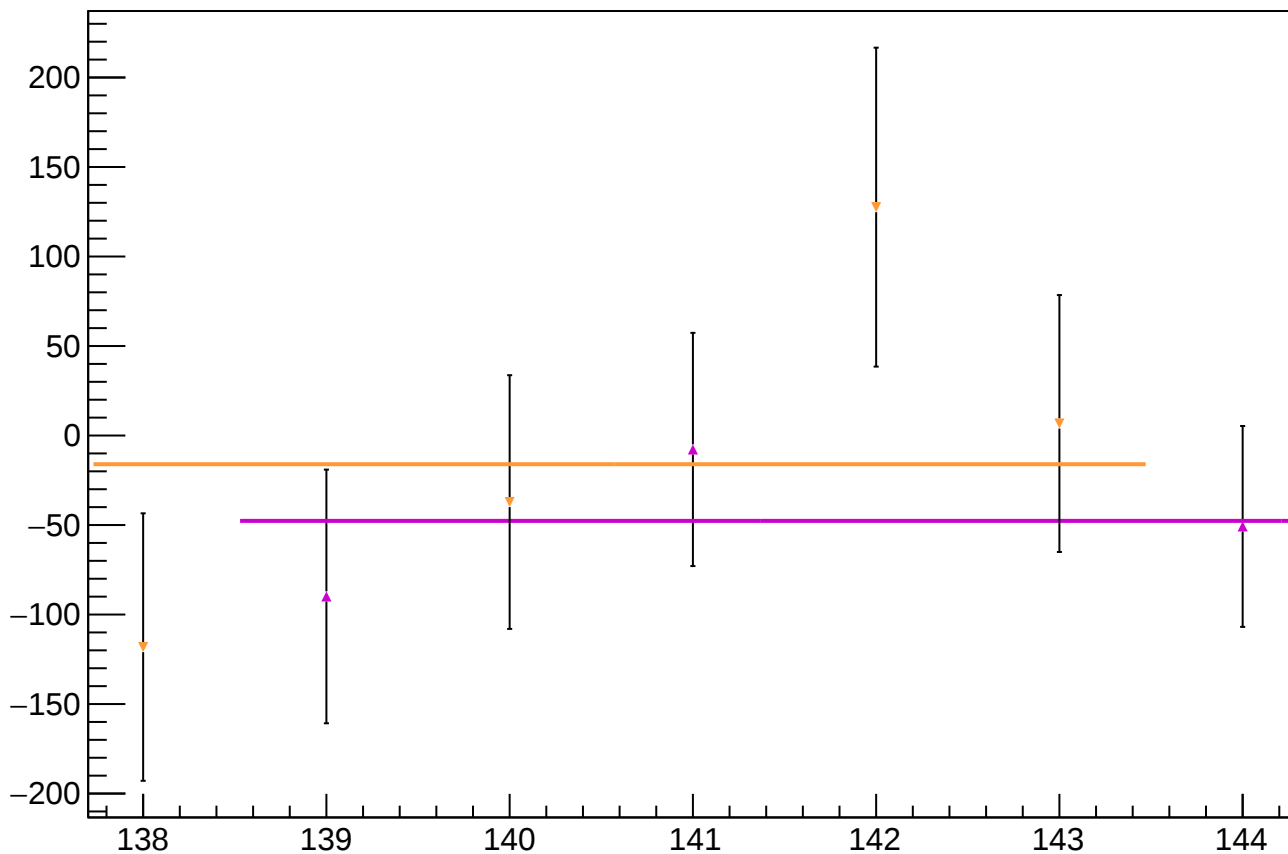
Left In: 425.463+/-0.199 χ^2/NDF : 207011.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 445.899+/-0.143 χ^2/NDF : 316929.8/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: -16.023+/-37.836 χ^2/NDF : 4.7/3

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

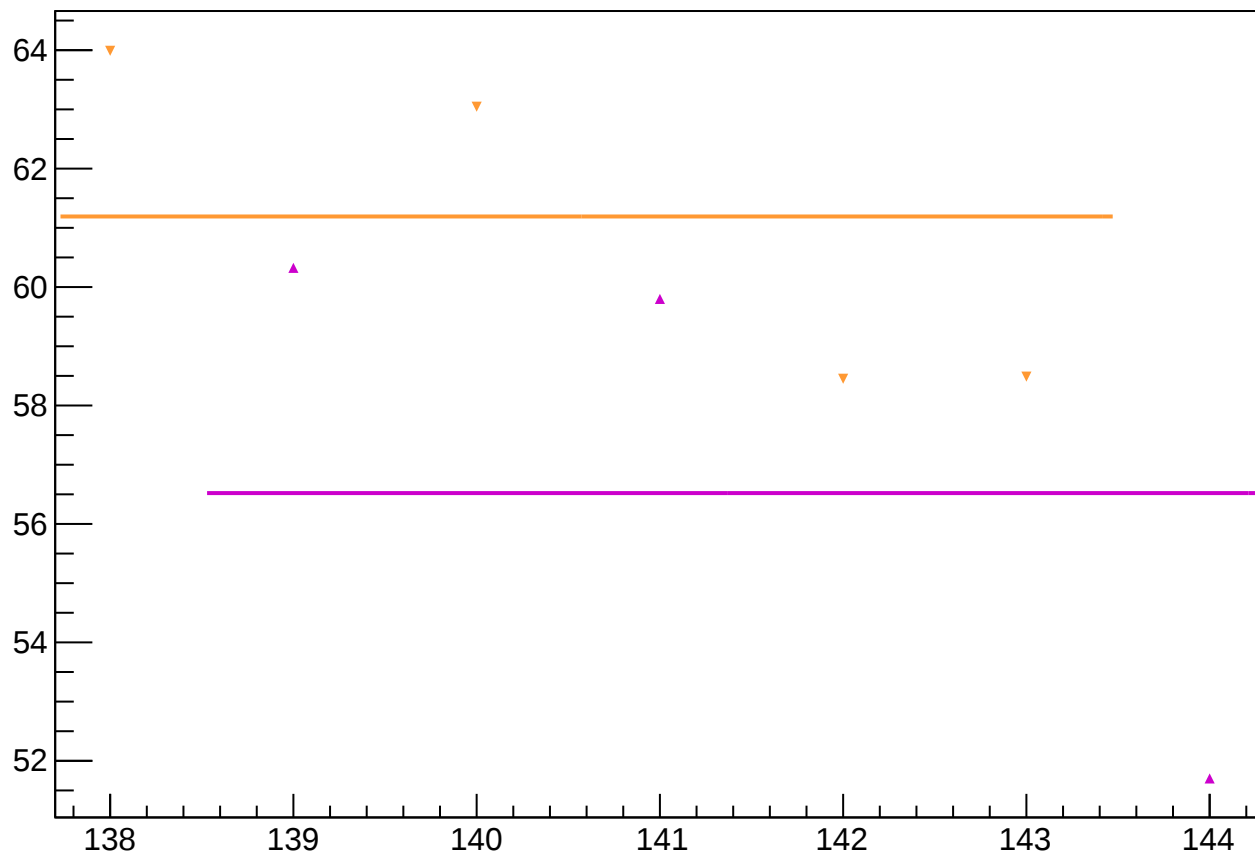
Left In: -47.669+/-36.456 χ^2/NDF : 0.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.434+/-26.252 χ^2/NDF : 5.8/6

- sign 0.000+/-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: 61.192+/-0.027 χ^2/NDF : 8905.8/3

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

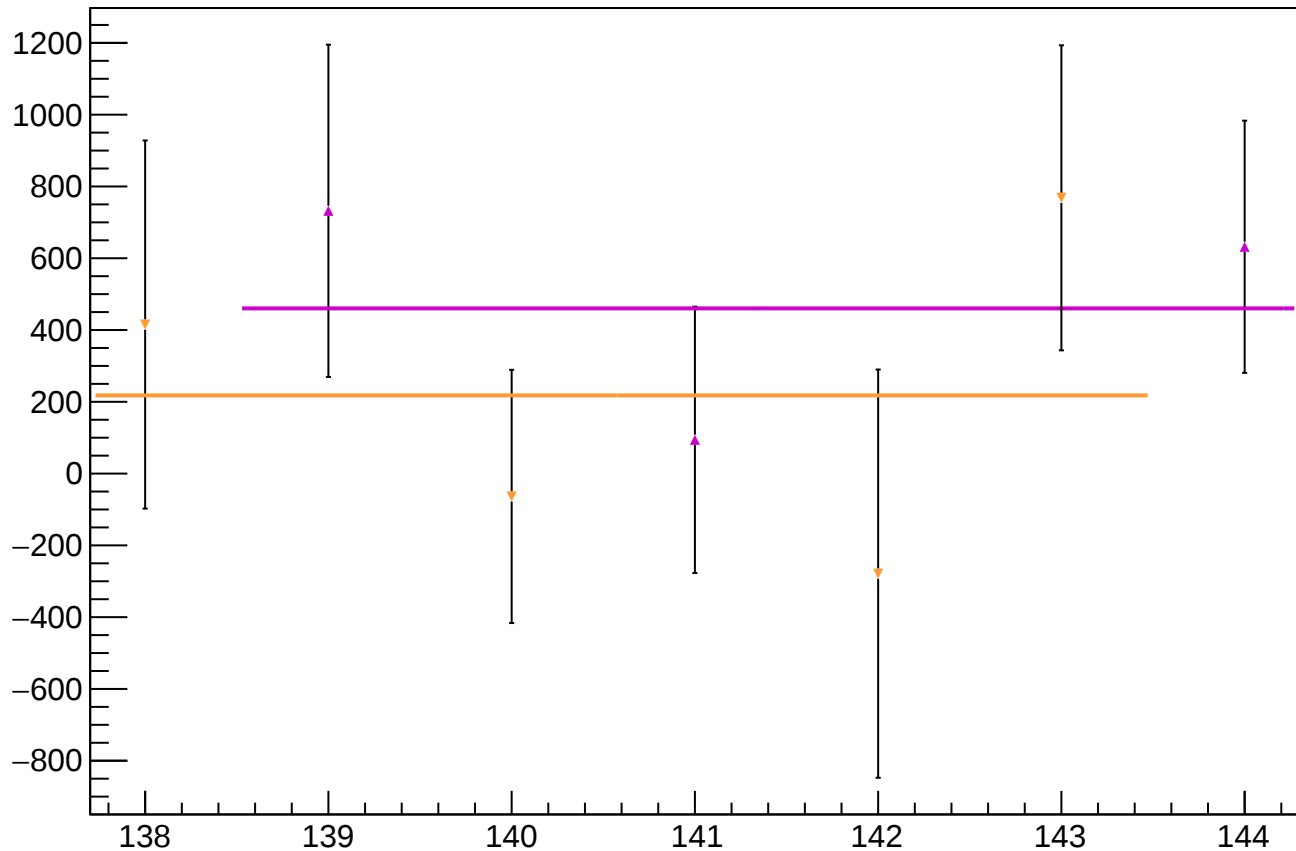
Left In: 56.521+/-0.026 χ^2/NDF : 25577.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 58.770+/-0.019 χ^2/NDF : 50288.1/6

- 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: 217.916+/-221.031 χ^2/NDF : 3.2/3

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

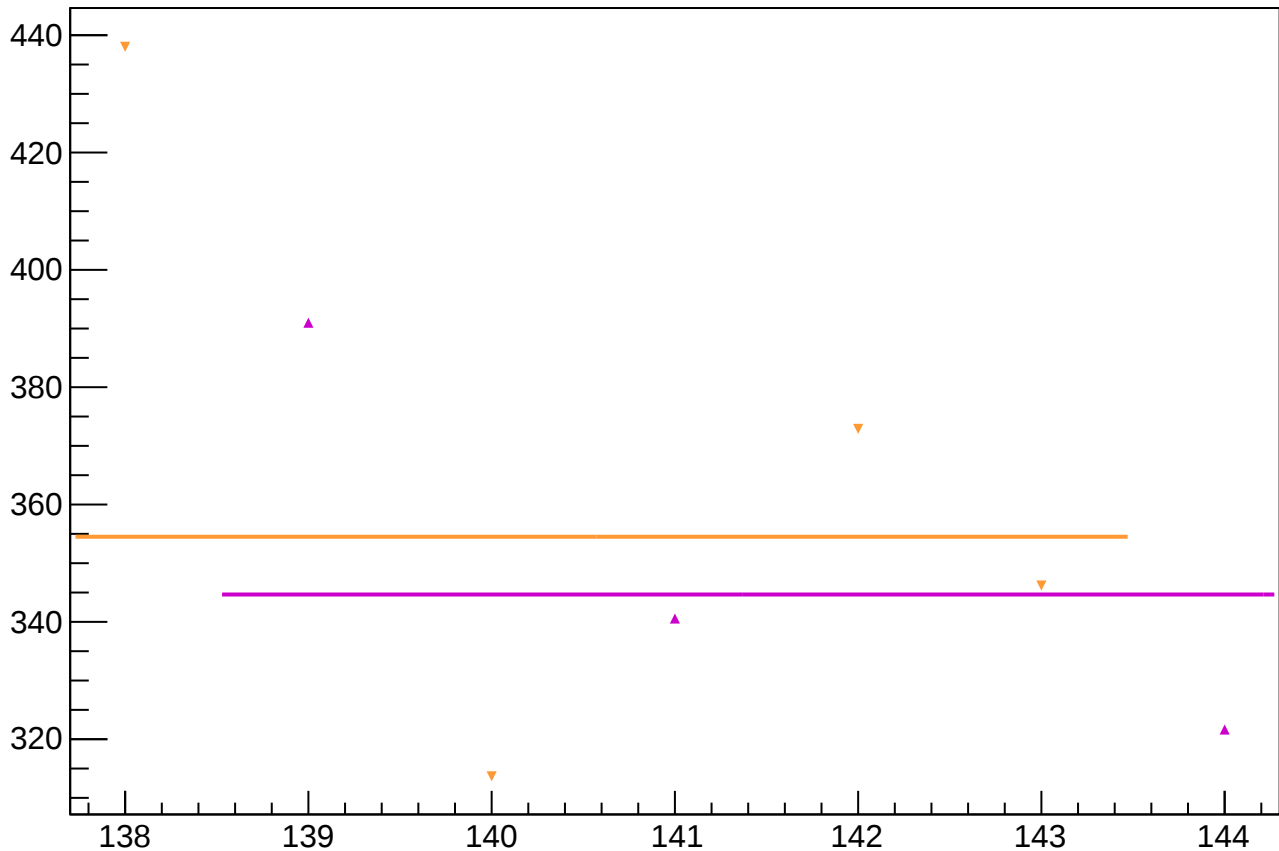
Left In: 460.288+/-223.427 χ^2/NDF : 1.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 337.795+/-157.133 χ^2/NDF : 5.4/6

- 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: 354.510+/-0.156 χ^2/NDF : 82696.3/3

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

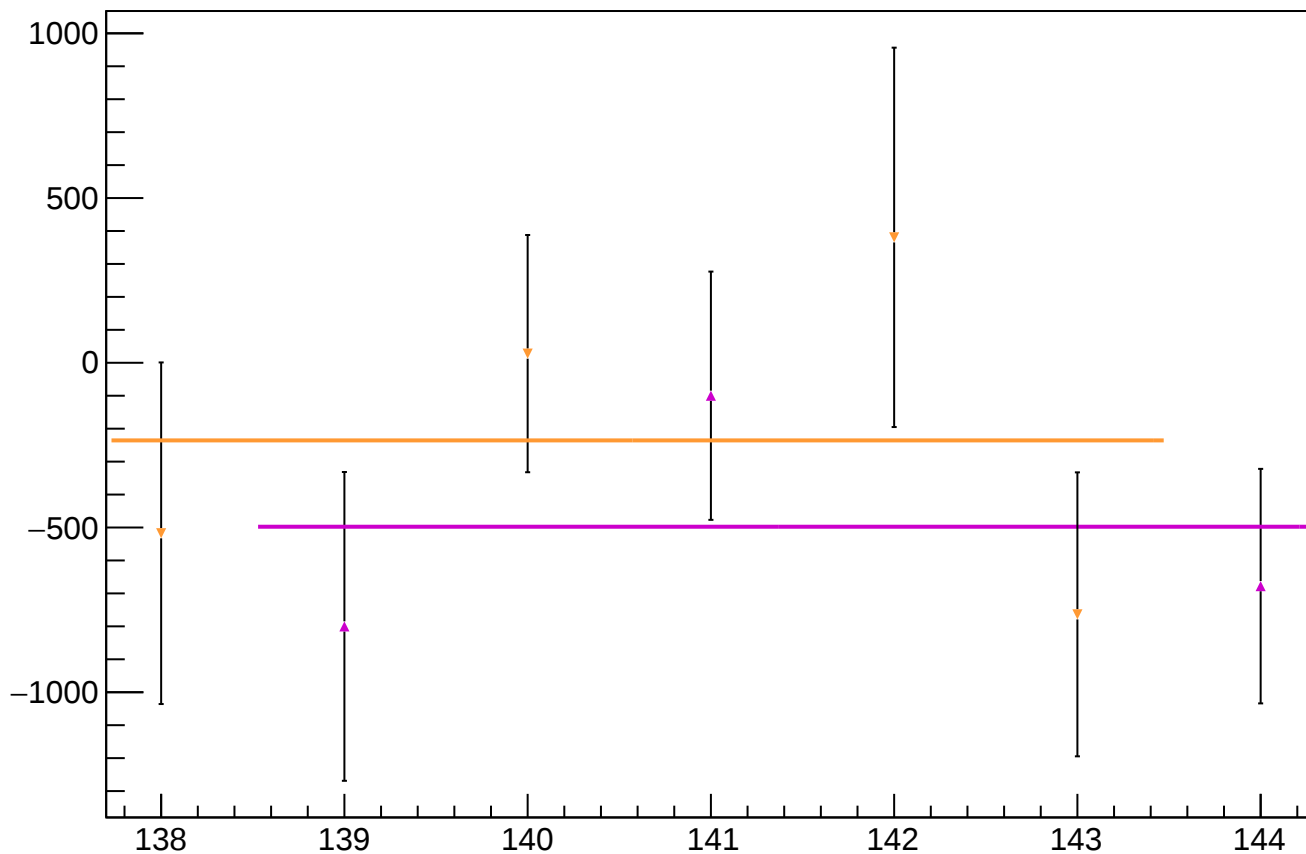
Left In: 344.665+/-0.158 χ^2/NDF : 28858.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 349.641+/-0.111 χ^2/NDF : 113517.1/6

- 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: -235.598+/-224.532 χ^2/NDF :3.5/3

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

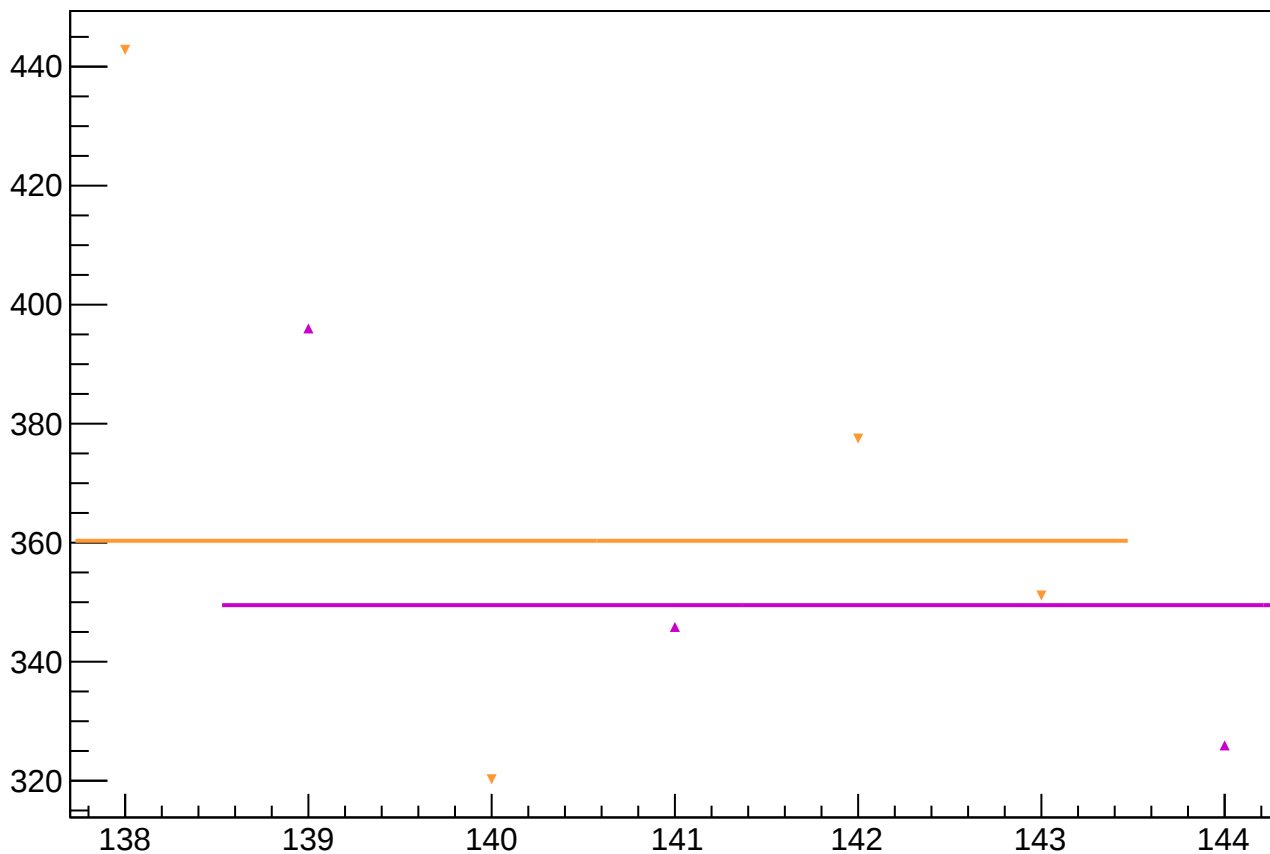
Left In: -497.615+/-226.507 χ^2/NDF :1.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -365.459+/-159.461 χ^2/NDF : 5.9/6

- 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: 360.324+/-0.159 χ^2/NDF : 78121.8/3

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

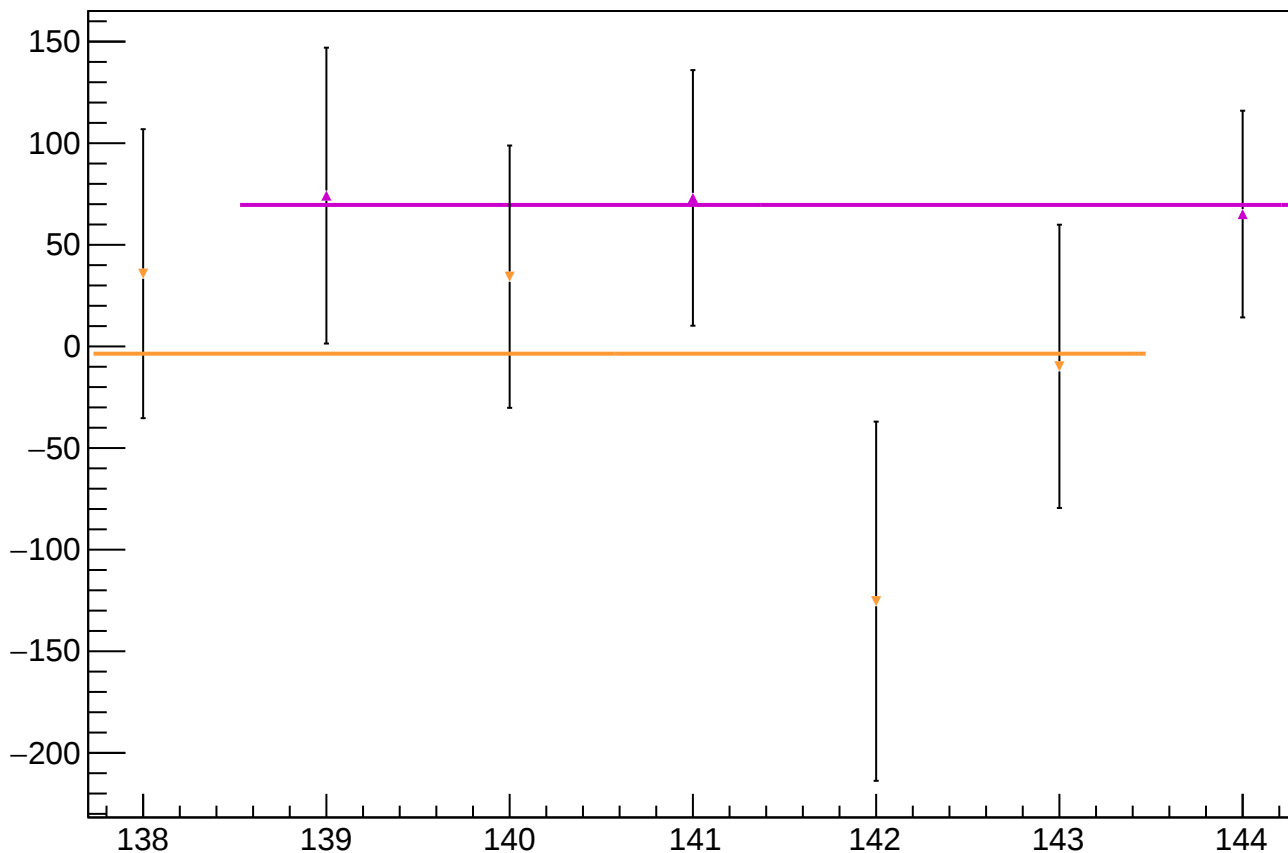
Left In: 349.505+/-0.160 χ^2/NDF : 28651.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 354.962+/-0.113 χ^2/NDF : 109074.9/6

- 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: -3.562+/-35.994 χ^2/NDF : 2.6/3

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

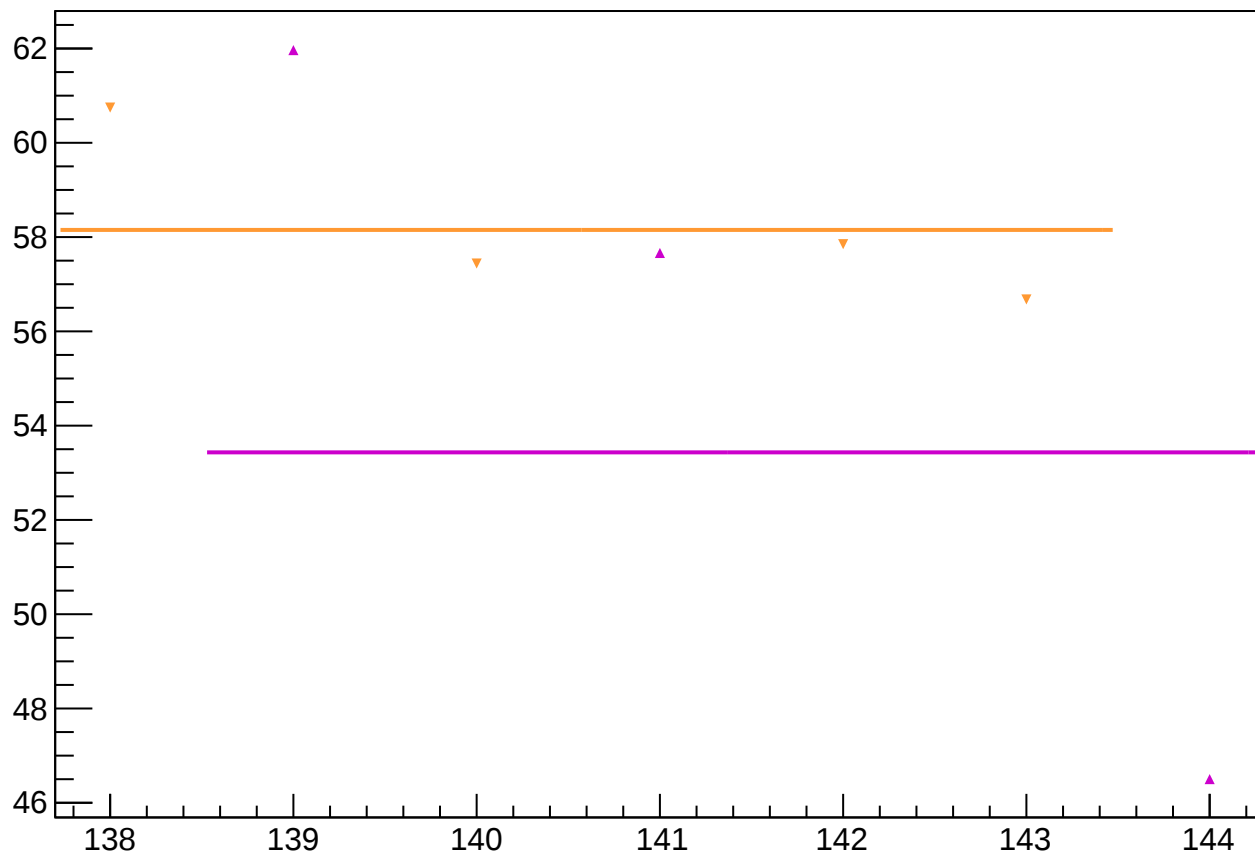
Left In: 69.632+/-34.746 χ^2/NDF : 0.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 34.326+/-24.999 χ^2/NDF : 4.7/6

- 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: 58.152+/-0.025 χ^2/NDF : 3827.8/3

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

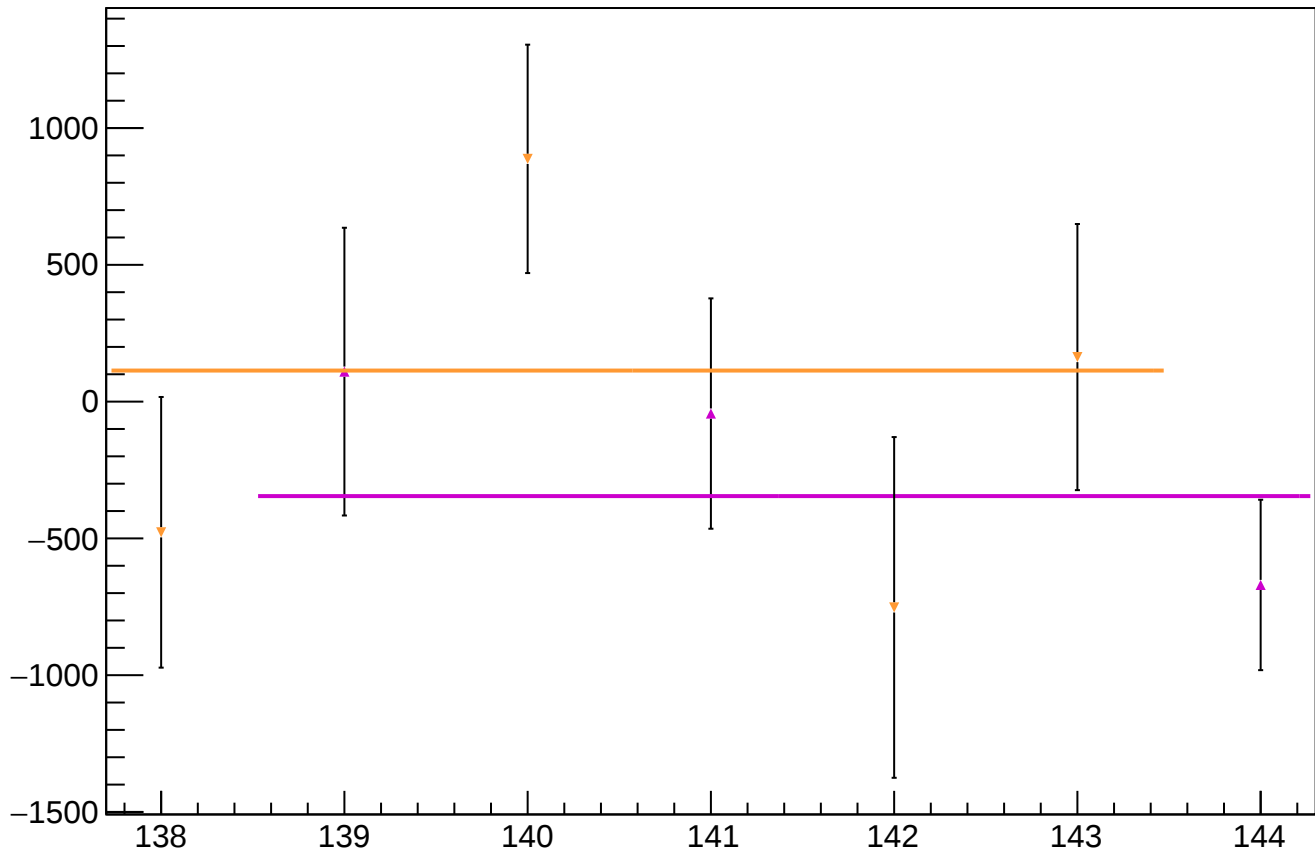
Left In: 53.433+/-0.025 χ^2/NDF : 73685.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 55.709+/-0.018 χ^2/NDF : 95304.9/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 113.569+/-245.226 χ^2/NDF : 6.8/3

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

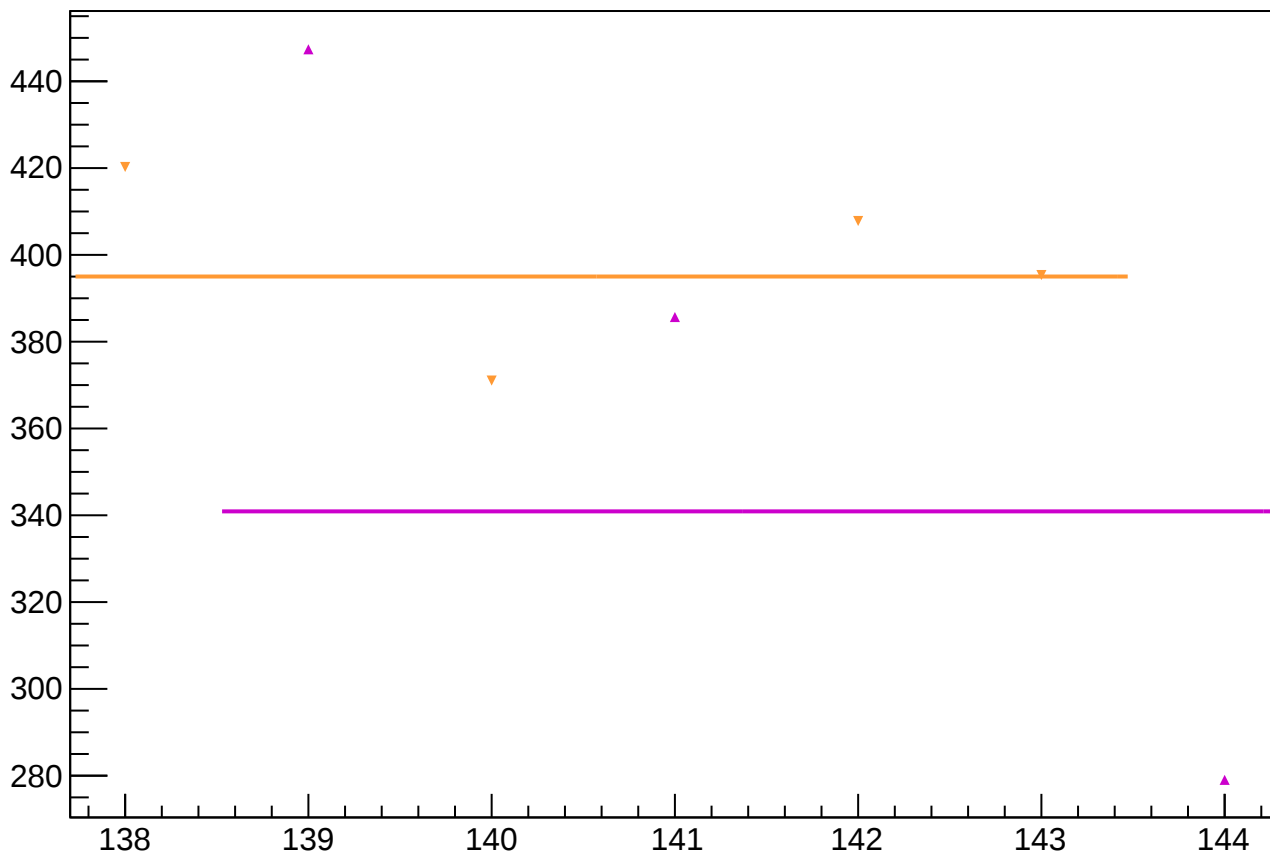
Left In: -345.367+/-226.091 χ^2/NDF : 2.3/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -134.500+/-166.224 χ^2/NDF : 11.1/6

- sign 0.000+/-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: 395.015+/-0.173 χ^2/NDF :12647.6/3

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

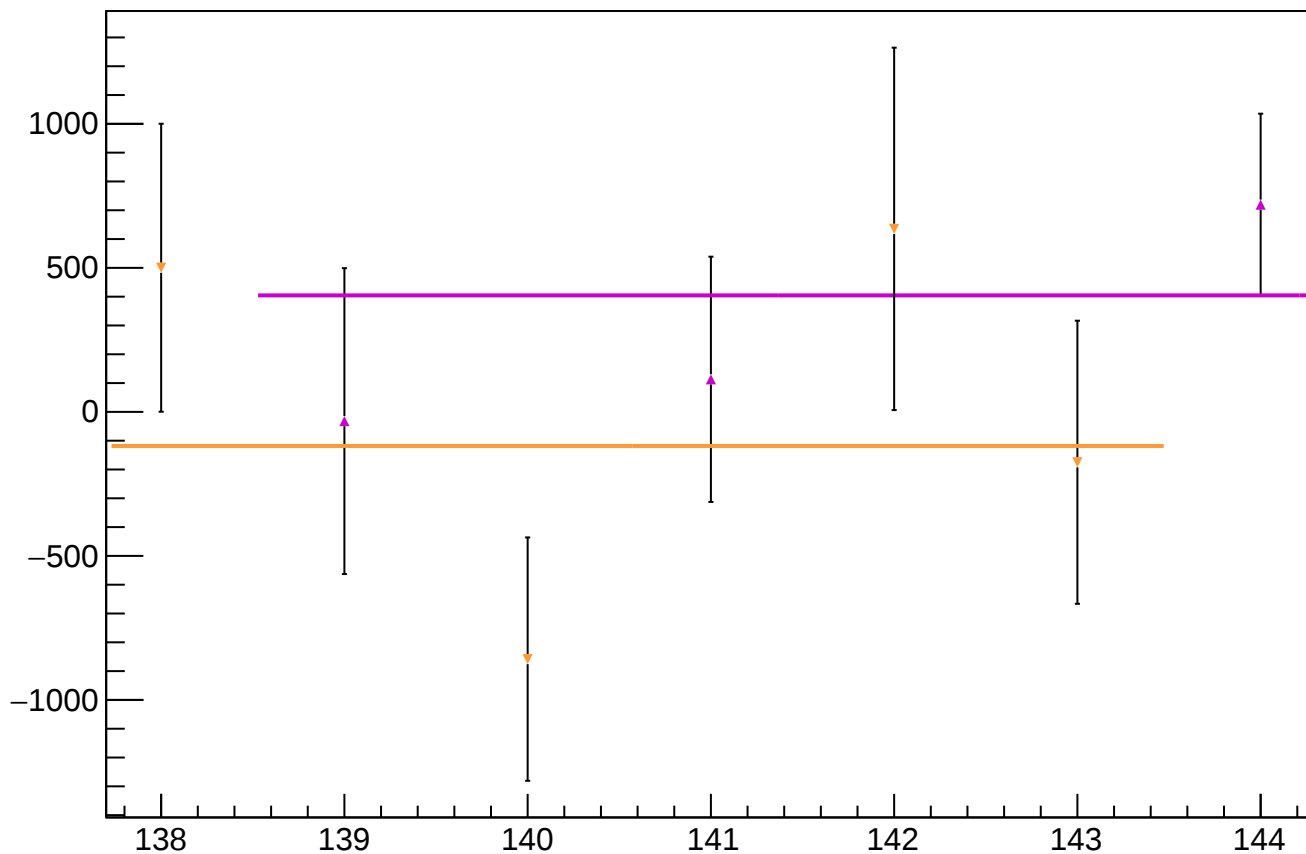
Left In: 340.901+/-0.160 χ^2/NDF :183475.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 365.765+/-0.118 χ^2/NDF : 248765.3/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -118.320 $\pm$ 247.894 χ^2 /NDF: 6.0/3

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

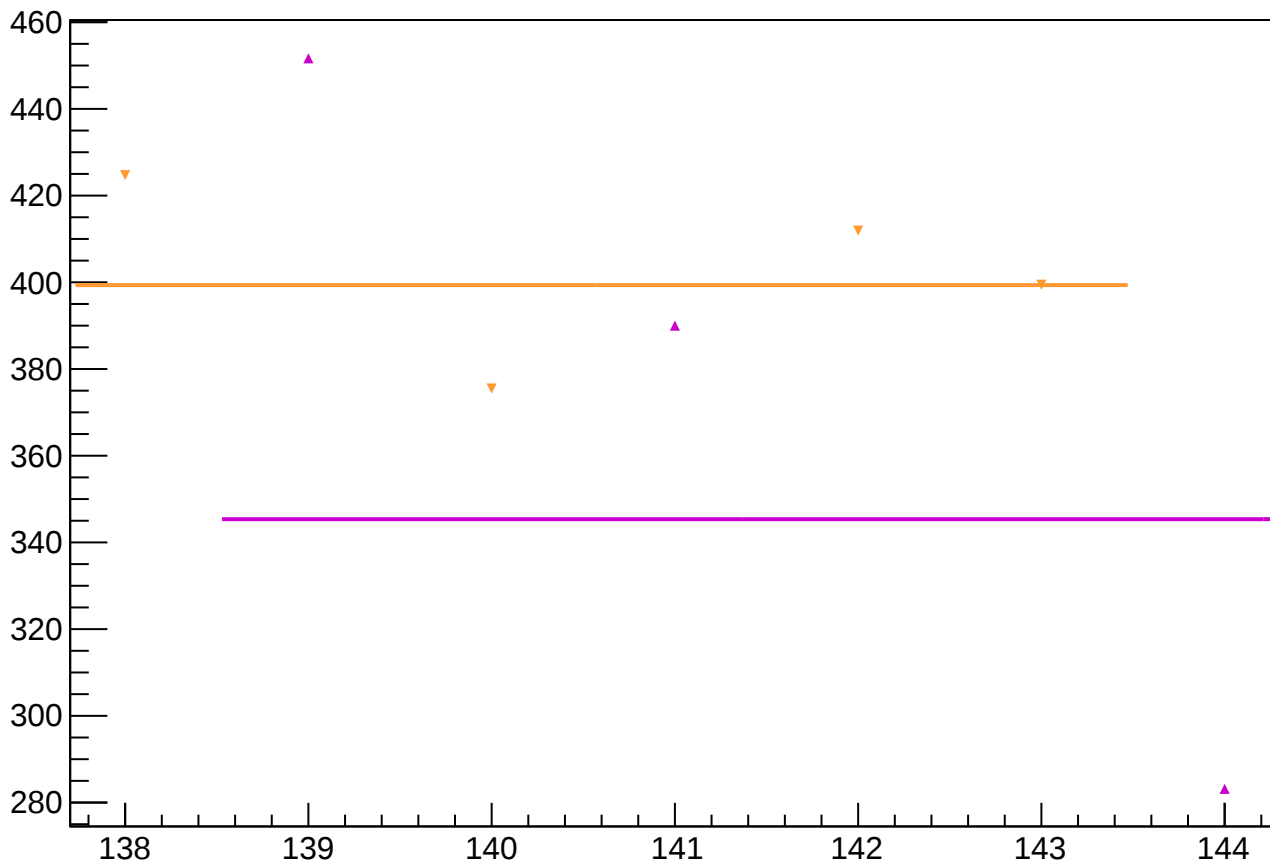
Left In: 404.431 $\pm$ 228.895 χ^2 /NDF: 2.1/2

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

All: 163.853 $\pm$ 168.169 χ^2 /NDF: 10.6/6

- sign 0.000 $\pm$ 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: 399.354+/-0.175 χ^2/NDF :12325.1/3

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

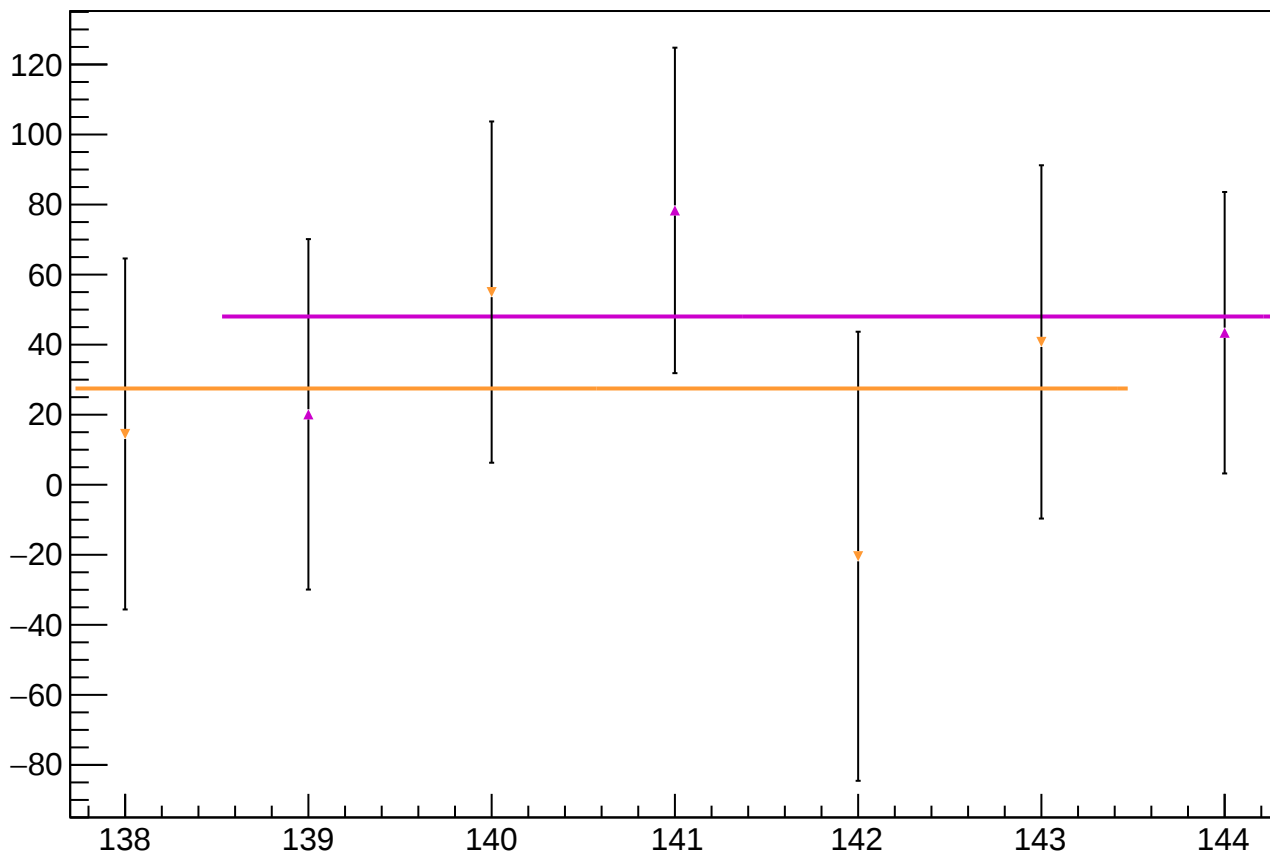
Left In: 345.362+/-0.162 χ^2/NDF :179712.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 370.210+/-0.119 χ^2/NDF : 243250.1/6

- 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: 27.480+/-26.209 χ^2/NDF : 1.0/3

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

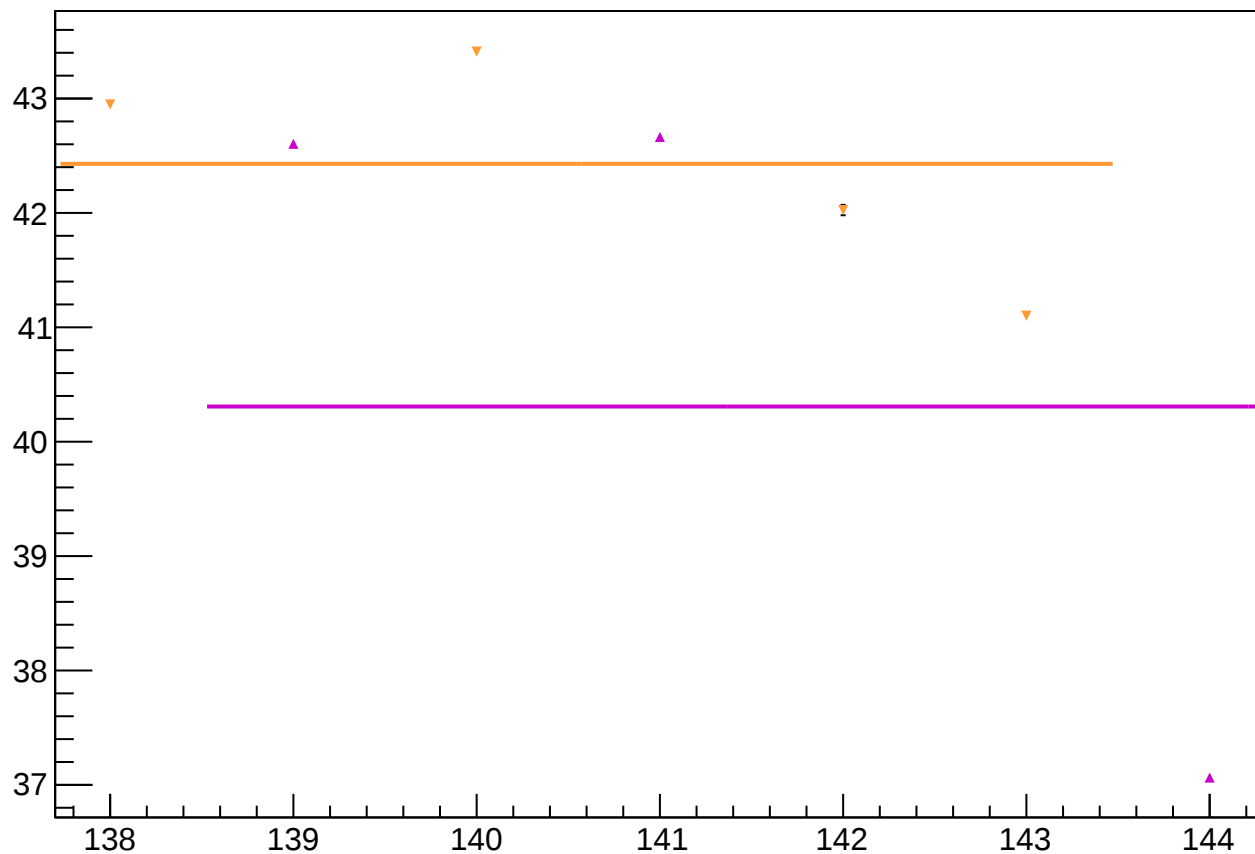
Left In: 48.038+/-25.977 χ^2/NDF : 0.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 37.850+/-18.450 χ^2/NDF : 2.1/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 42.429+/-0.019 χ^2/NDF :2490.1/3

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

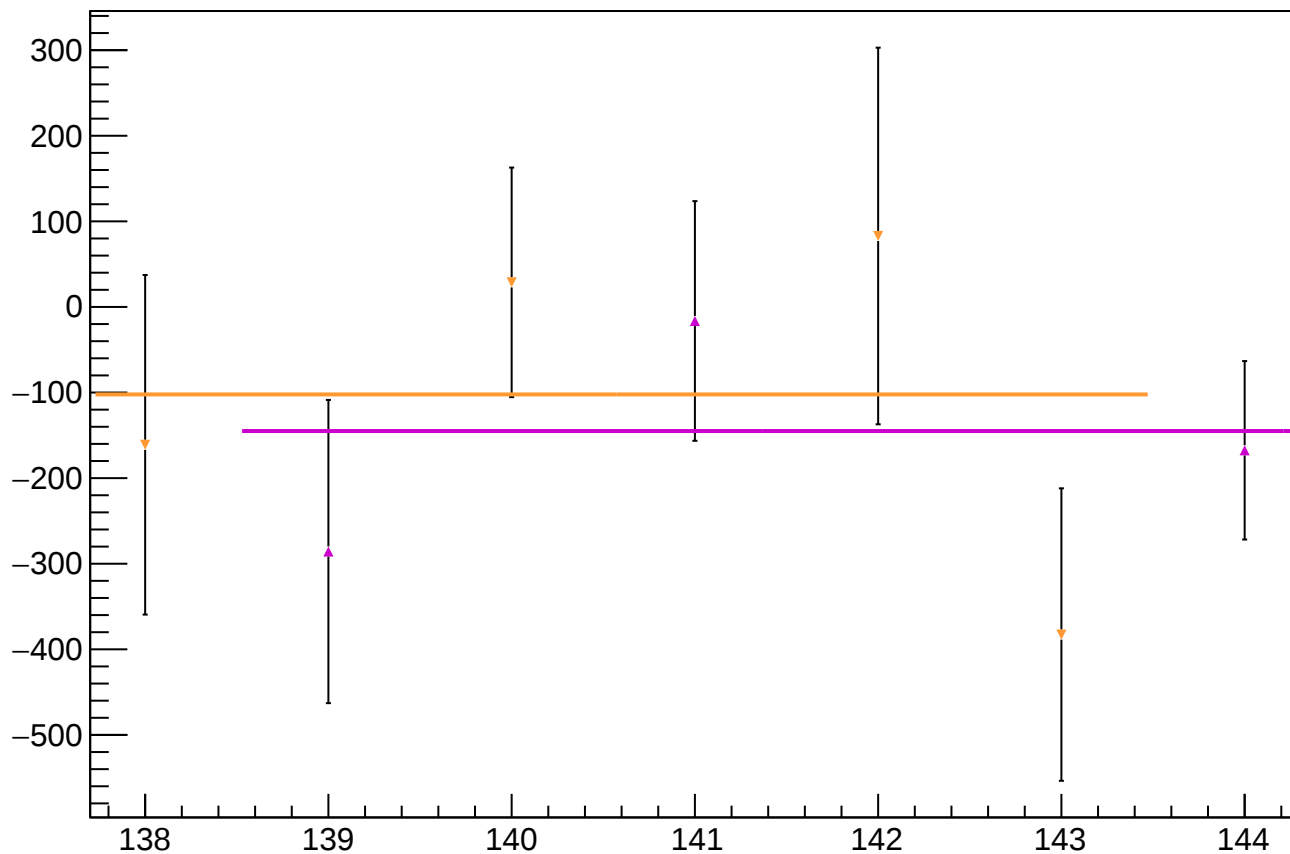
Left In: 40.308+/-0.018 χ^2/NDF :22389.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 41.359+/-0.013 χ^2/NDF : 31489.7/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -102.205+/-85.765 χ^2/NDF : 4.4/3

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

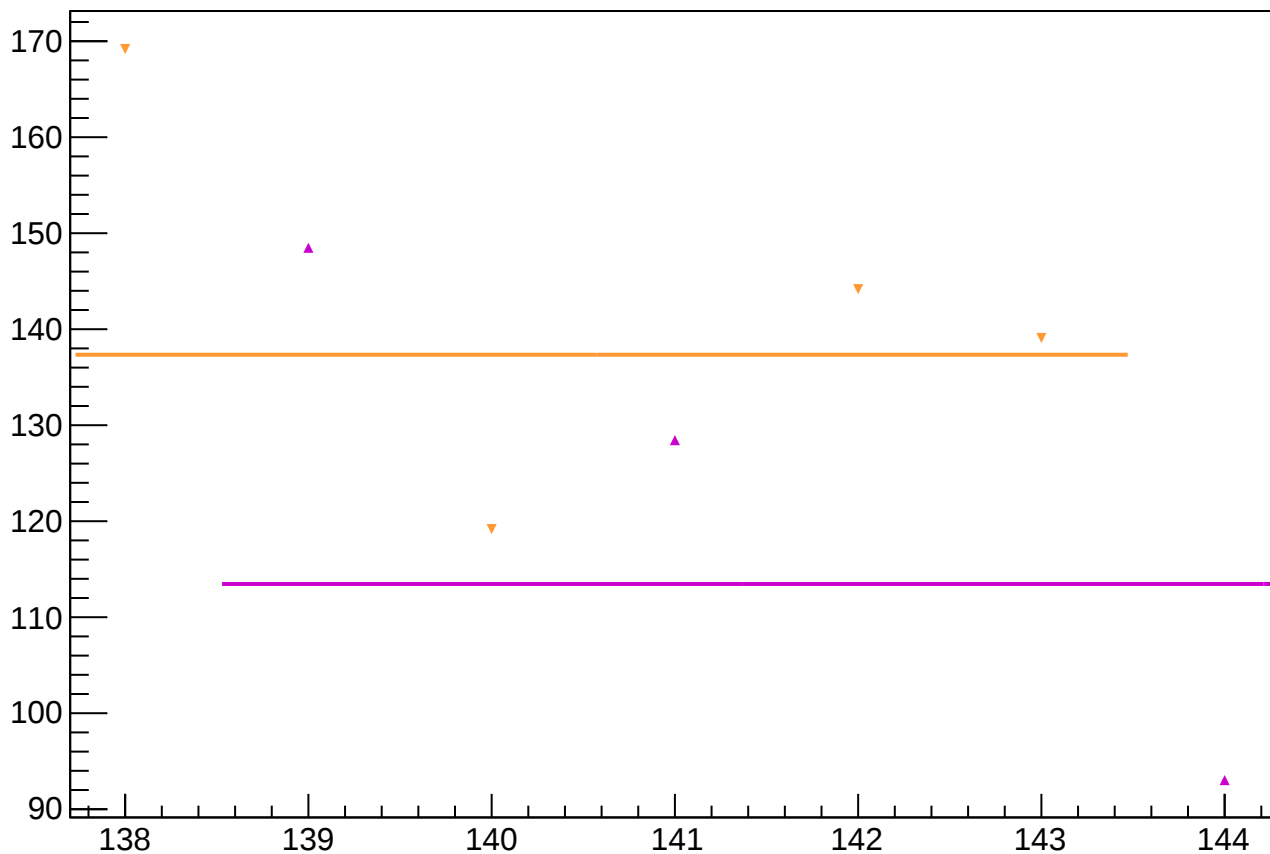
Left In: -144.969+/-75.612 χ^2/NDF : 1.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -126.267+/-56.718 χ^2/NDF : 6.1/6

- sign 0.000+/-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: 137.340+/-0.061 χ^2/NDF : 90374.3/3

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

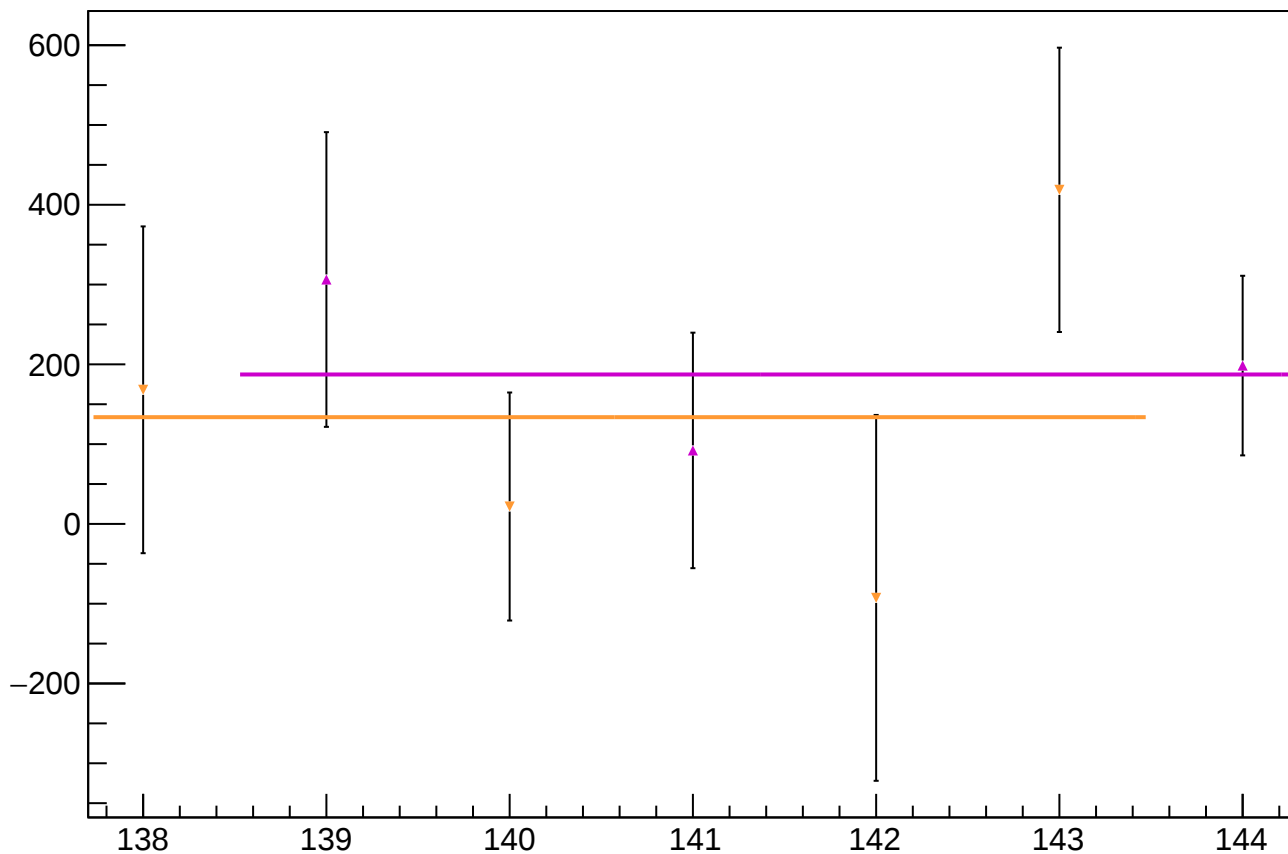
Left In: 113.465+/-0.053 χ^2/NDF : 177895.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 123.906+/-0.040 χ^2/NDF : 355482.0/6

- 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: 133.786+/-90.043 χ^2/NDF : 4.2/3

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

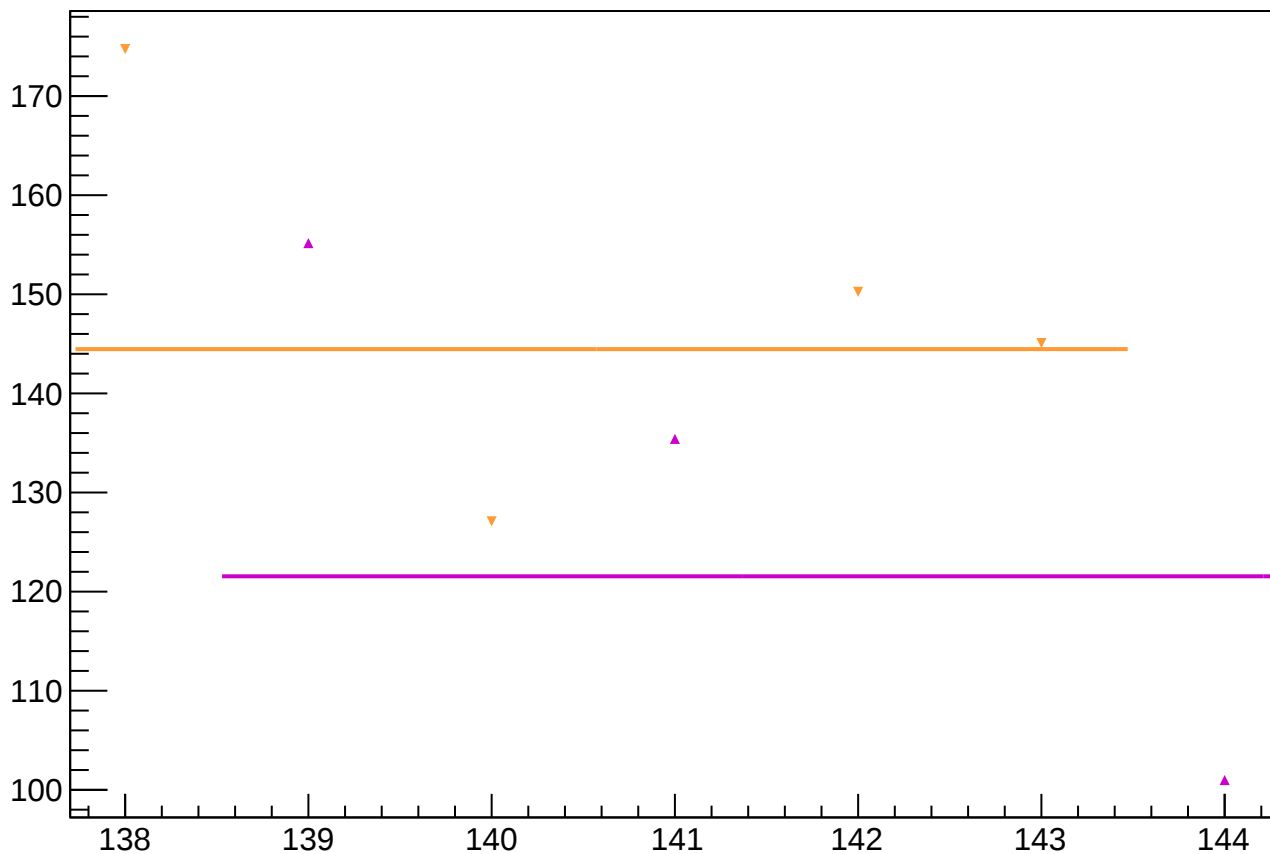
Left In: 187.296+/-80.540 χ^2/NDF : 0.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 163.513+/-60.030 χ^2/NDF : 5.2/6

- 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: 144.470+/-0.064 χ^2/NDF : 74572.8/3

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

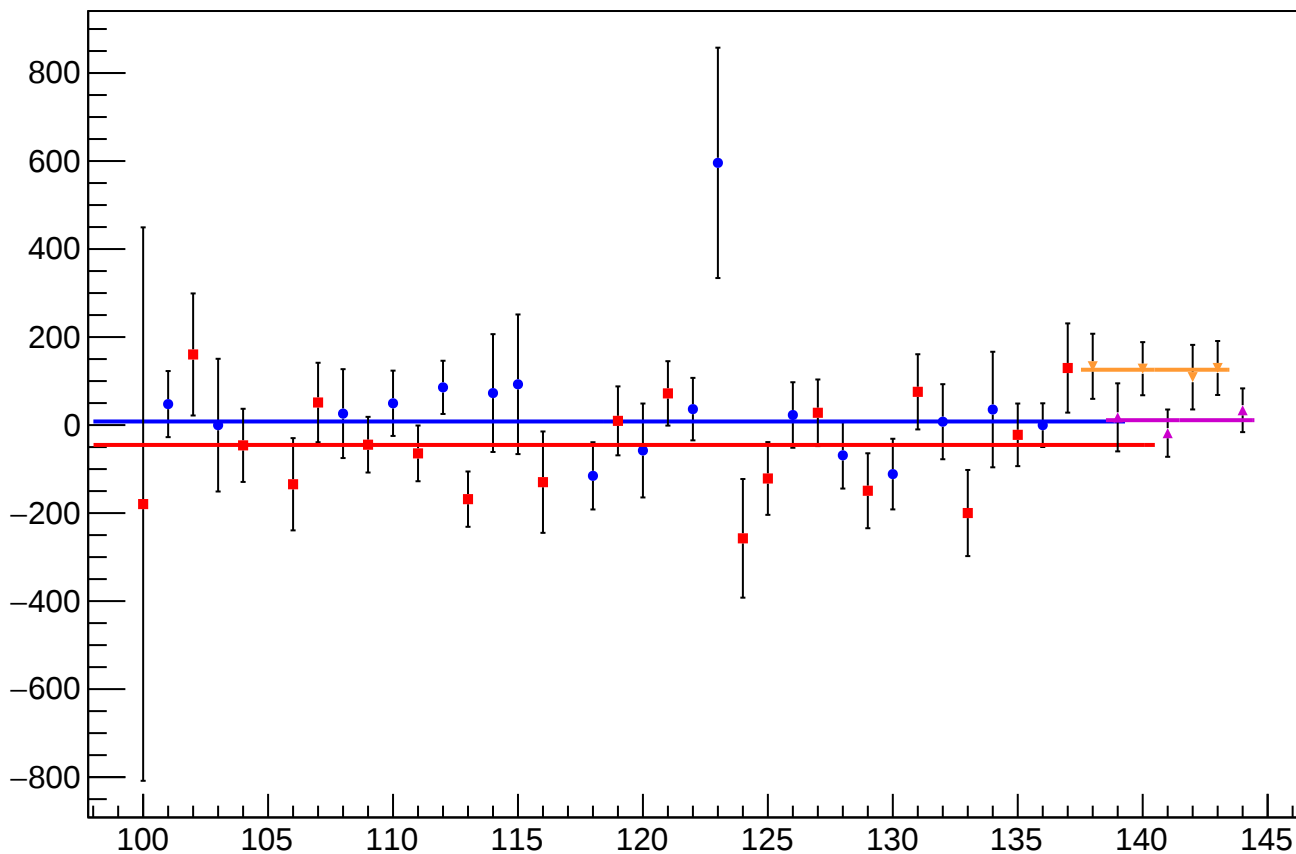
Left In: 121.546+/-0.057 χ^2/NDF : 150615.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 131.735+/-0.042 χ^2/NDF : 297201.9/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_mean vs Slug



Right In: 8.177 ± 20.186 χ^2/NDF : 14.3/16

Left Out: 125.744 ± 33.169 χ^2/NDF : 0.1/3

Right Out: -45.139 ± 19.459 χ^2/NDF : 25.0/18

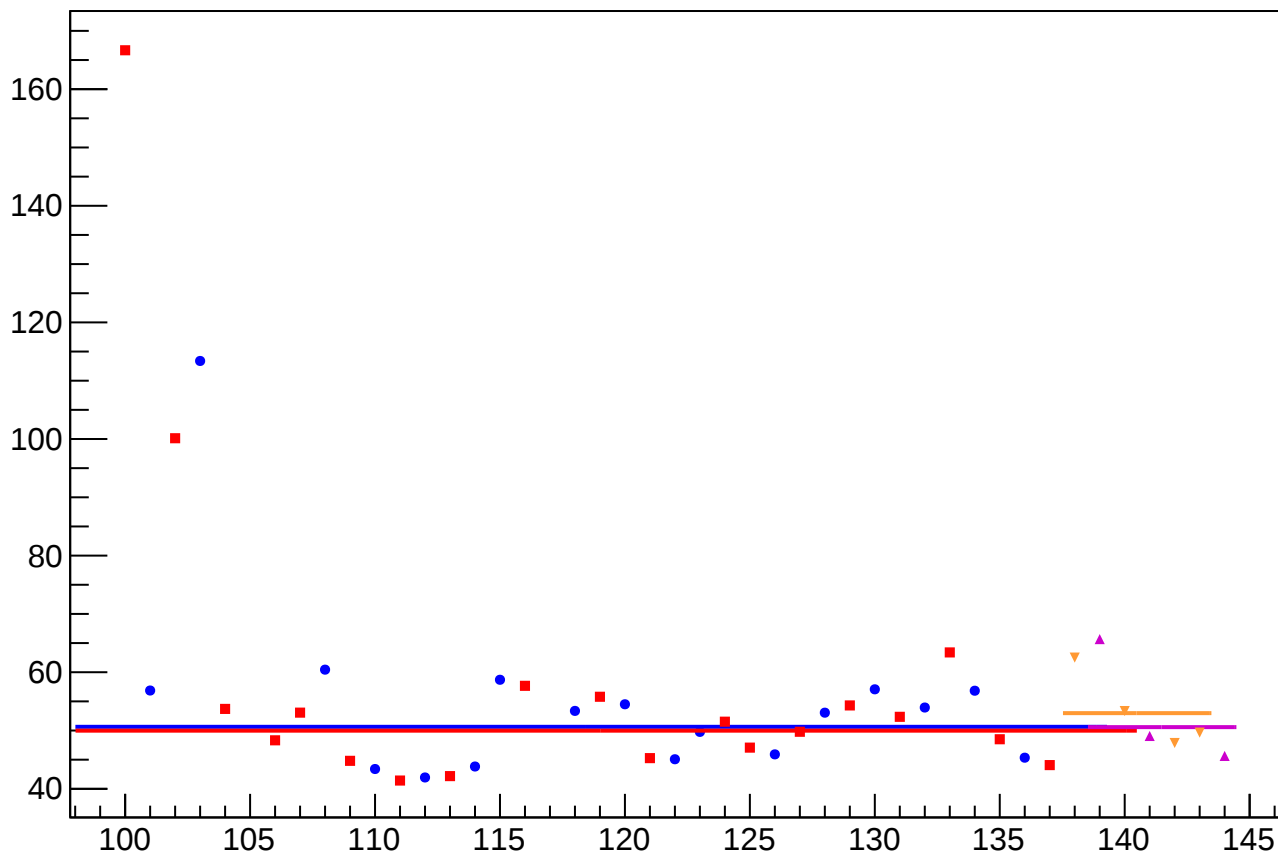
Left In: 11.111 ± 32.997 χ^2/NDF : 0.5/2

+ sign 39.951 ± 17.243 χ^2/NDF : 23.6/20

All: 3.663 ± 12.019 χ^2/NDF : 59.8/42

- sign -30.625 ± 16.761 χ^2/NDF : 27.6/21

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.637 $\pm$ 0.014 χ^2 /NDF: 520284.7/16

Left Out: 52.982 $\pm$ 0.023 χ^2 /NDF: 48914.8/3

Right Out: 49.978 $\pm$ 0.014 χ^2 /NDF: 500945.1/18

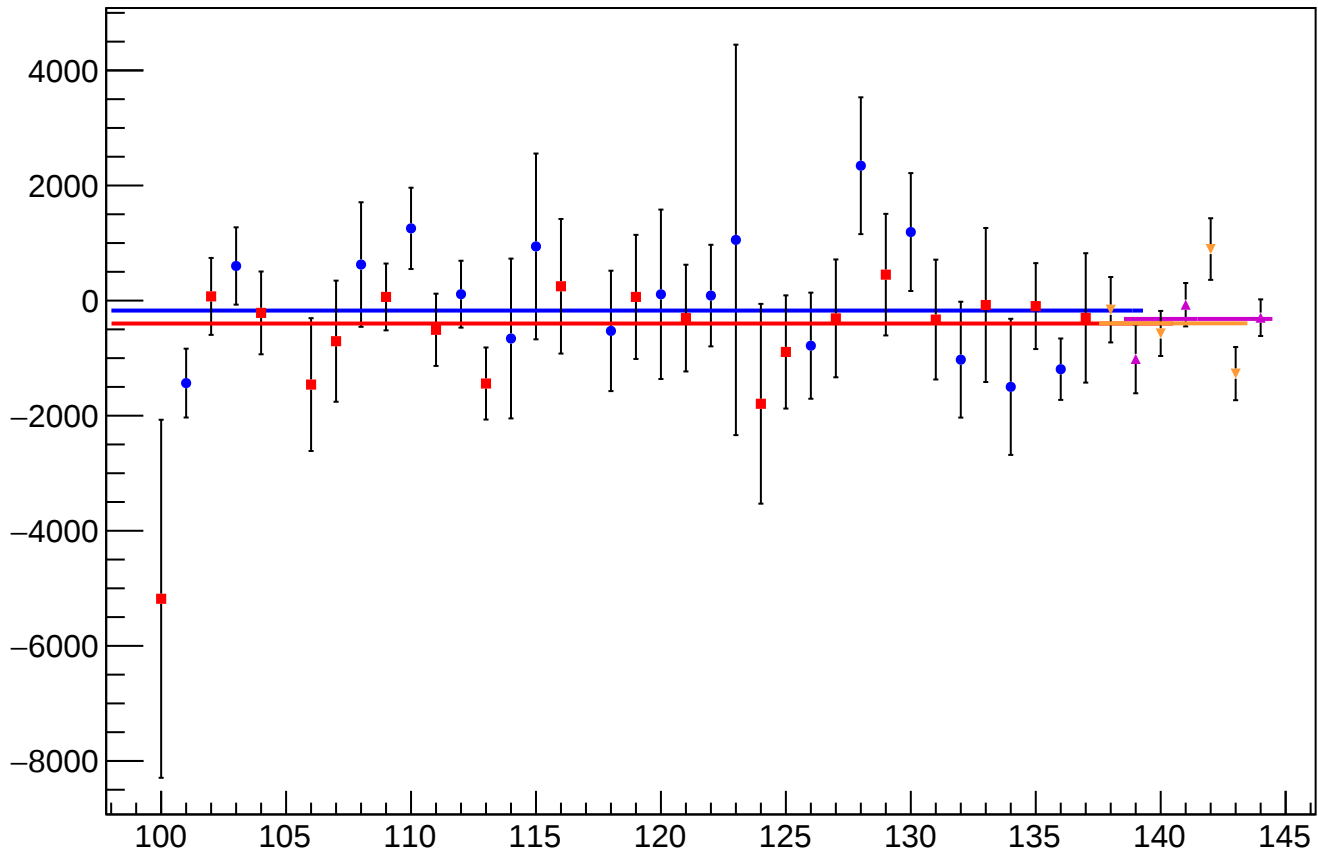
Left In: 50.583 $\pm$ 0.023 χ^2 /NDF: 97584.0/2

+ sign 51.271 $\pm$ 0.012 χ^2 /NDF: 576493.4/20

All: 50.686 $\pm$ 0.008 χ^2 /NDF: 1179995.4/42

- sign 50.134 $\pm$ 0.012 χ^2 /NDF: 599028.4/21

asym_sam_1357_avg_correction_mean vs Slug



Right In: -173.371 ± 210.671 χ^2/NDF : 23.9/16

Left Out: -395.476 ± 237.134 χ^2/NDF : 9.8/3

Right Out: -398.617 ± 204.042 χ^2/NDF : 9.6/18

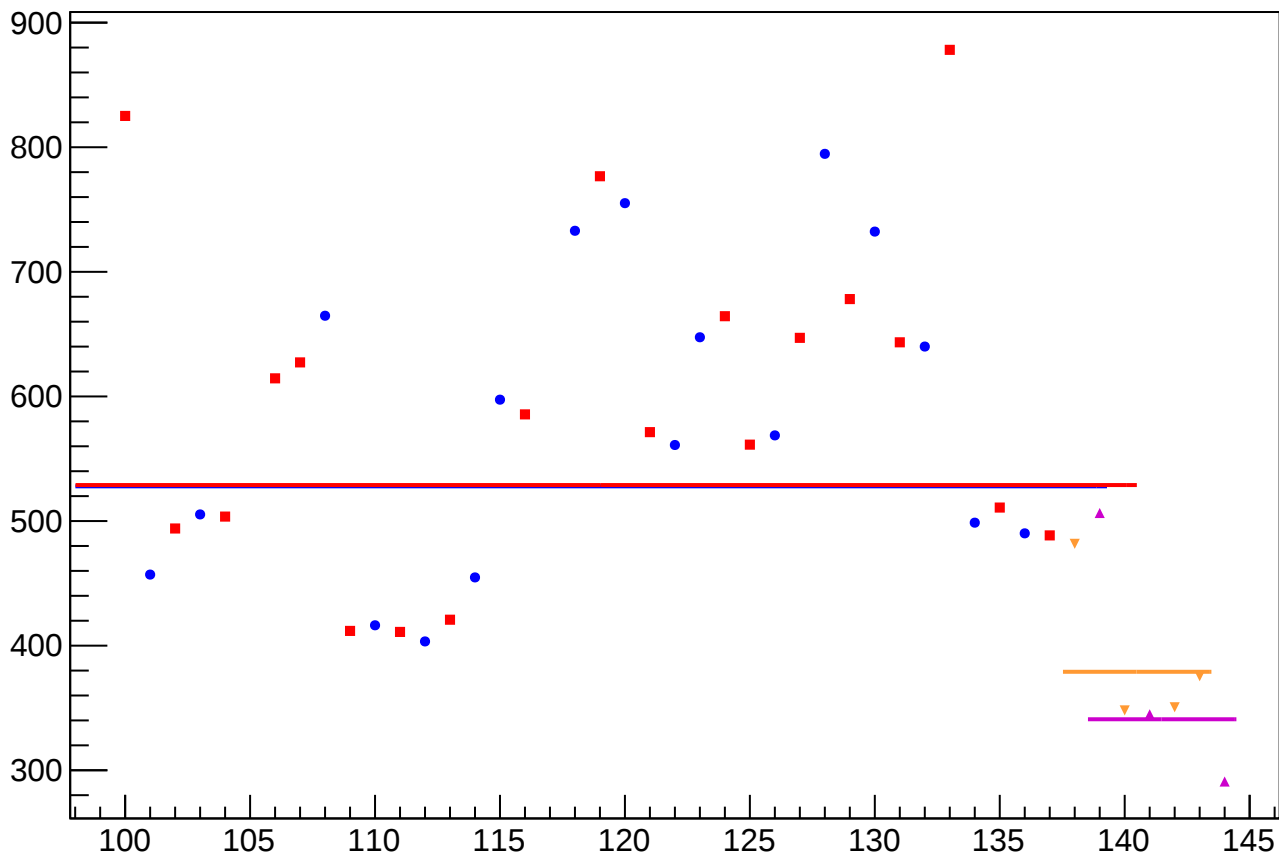
Left In: -318.528 ± 225.132 χ^2/NDF : 1.8/2

+ sign -271.344 ± 157.495 χ^2/NDF : 34.2/20

All: -318.783 ± 109.067 χ^2/NDF : 45.8/42

- sign -362.499 ± 151.187 χ^2/NDF : 11.4/21

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.871+/-0.149 χ^2/NDF : 563444.4/16

Left Out: 379.031+/-0.168 χ^2/NDF : 83608.9/3

Right Out: 528.886+/-0.144 χ^2/NDF : 625551.4/18

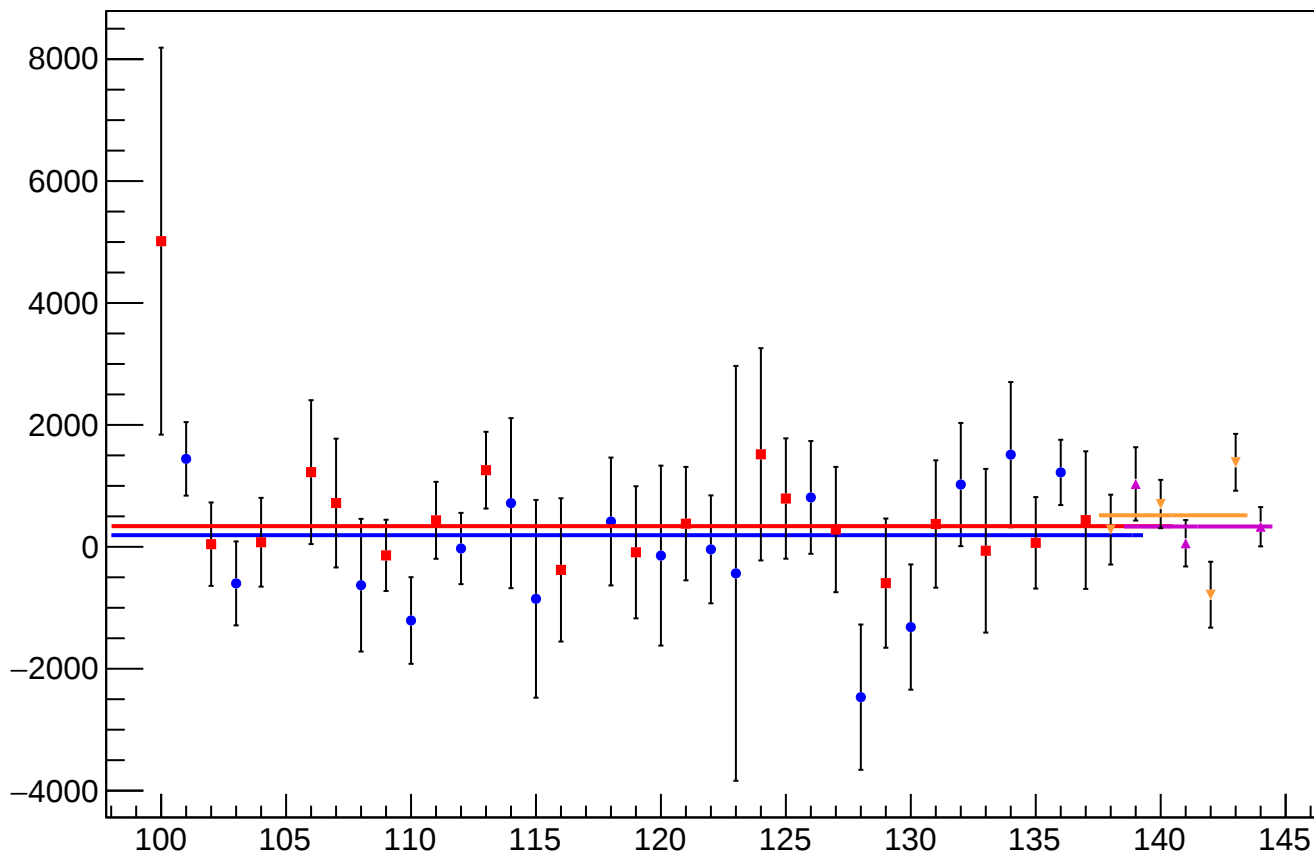
Left In: 340.926+/-0.159 χ^2/NDF : 203599.1/2

+ sign 462.216+/-0.111 χ^2/NDF : 1087410.7/20

All: 452.799+/-0.077 χ^2/NDF : 2695683.4/42

- sign 444.121+/-0.107 χ^2/NDF : 1594532.6/21

asym_sam_1357_avg_mean vs Slug



Right In: 190.958+/-212.155 χ^2/NDF : 24.1/16

Left Out: 517.502+/-239.537 χ^2/NDF : 9.7/3

Right Out: 339.084+/-205.618 χ^2/NDF : 8.2/18

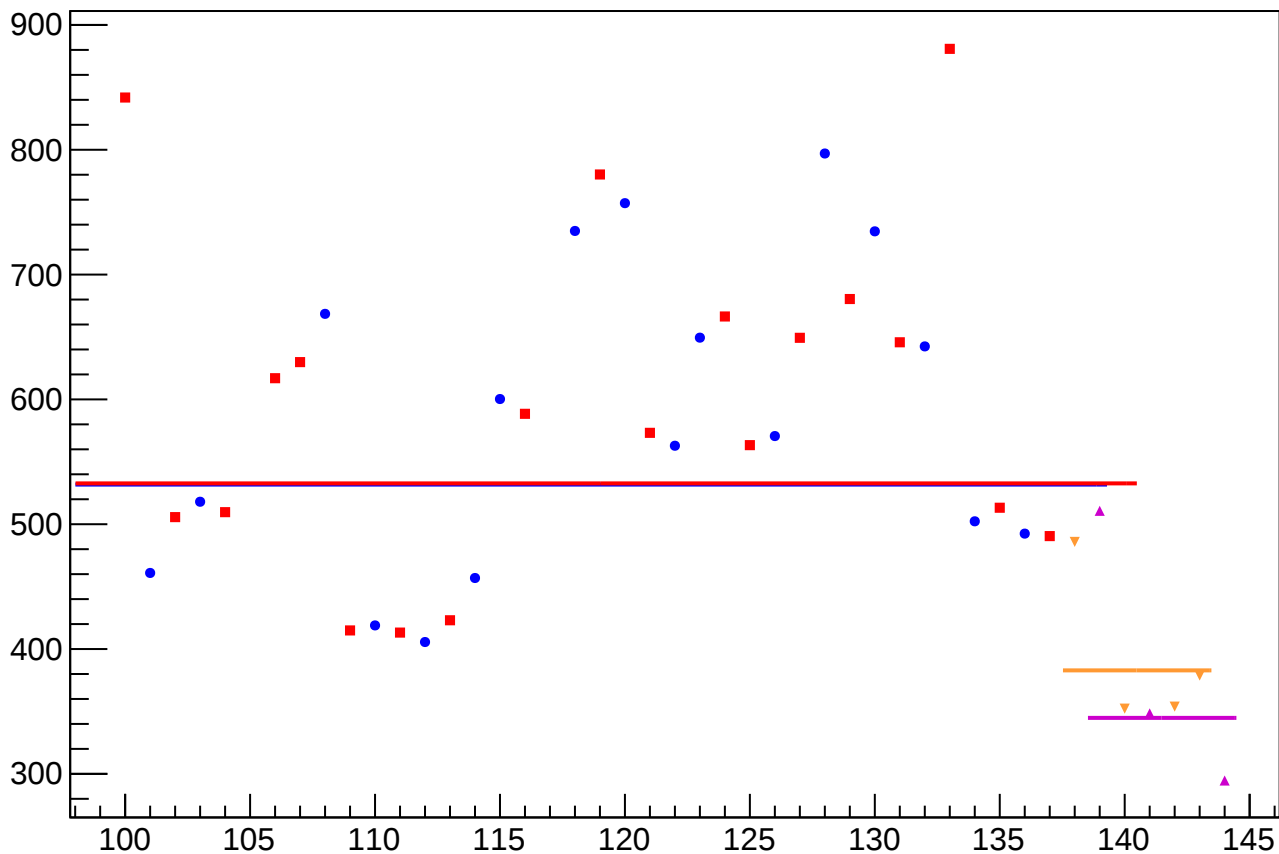
Left In: 333.410+/-227.637 χ^2/NDF : 1.9/2

+ sign 334.507+/-158.819 χ^2/NDF : 34.9/20

All: 335.561+/-110.032 χ^2/NDF : 44.9/42

- sign 336.535+/-152.586 χ^2/NDF : 10.1/21

asym_sam_1357_avg_rms vs Slug



Right In: 531.765+/-0.150 χ^2/NDF : 555969.6/16

Left Out: 382.901+/-0.169 χ^2/NDF : 82384.9/3

Right Out: 532.709+/-0.145 χ^2/NDF : 617915.9/18

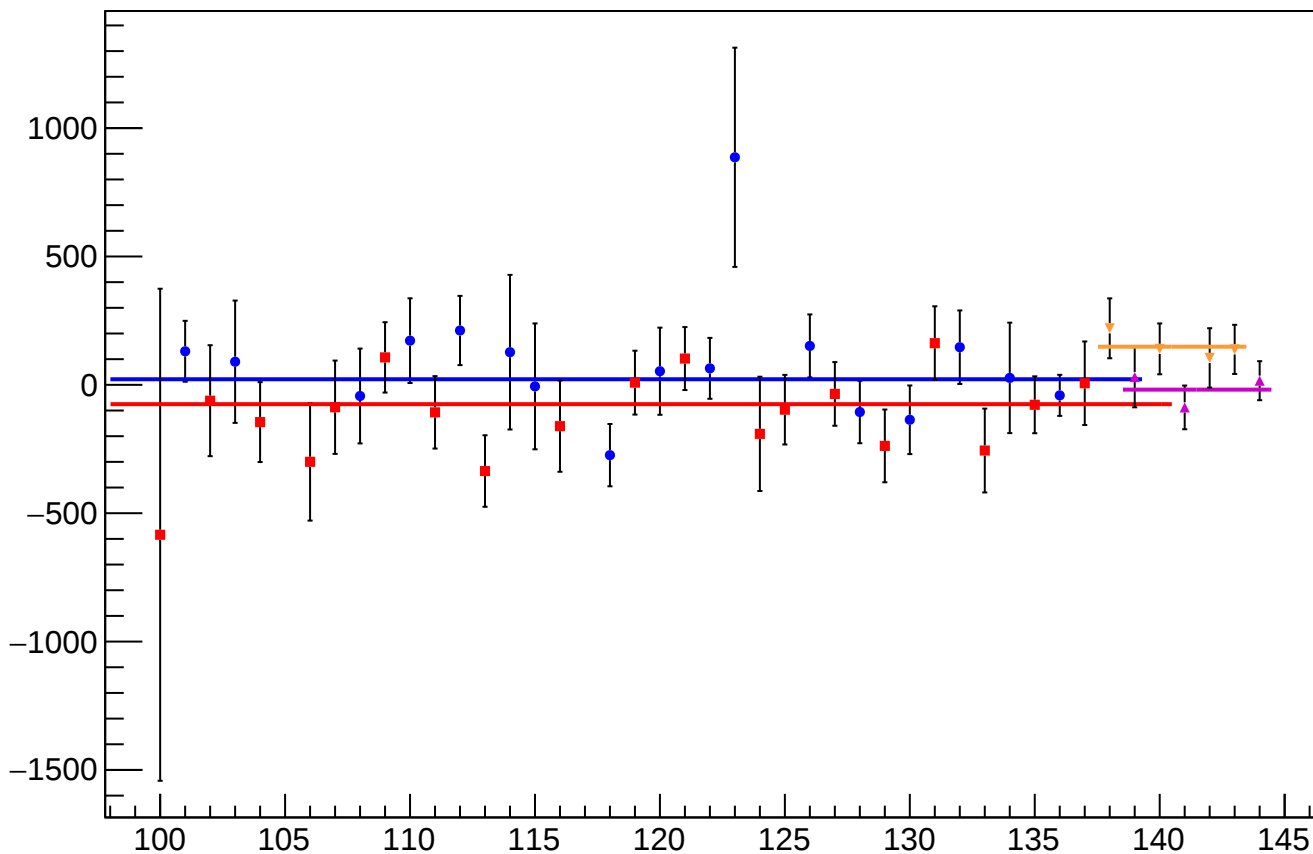
Left In: 344.845+/-0.161 χ^2/NDF : 200863.4/2

+ sign 466.324+/-0.112 χ^2/NDF : 1071229.4/20

All: 456.952+/-0.078 χ^2/NDF : 2653537.8/42

- sign 448.300+/-0.108 χ^2/NDF : 1568912.8/21

reg_asym_sam_2468_avg_mean vs Slug



Right In: 21.833+/-34.638 χ^2/NDF : 19.2/16

Left Out: 148.578+/-52.738 χ^2/NDF : 0.5/3

Right Out: -75.207+/-34.800 χ^2/NDF : 15.5/18

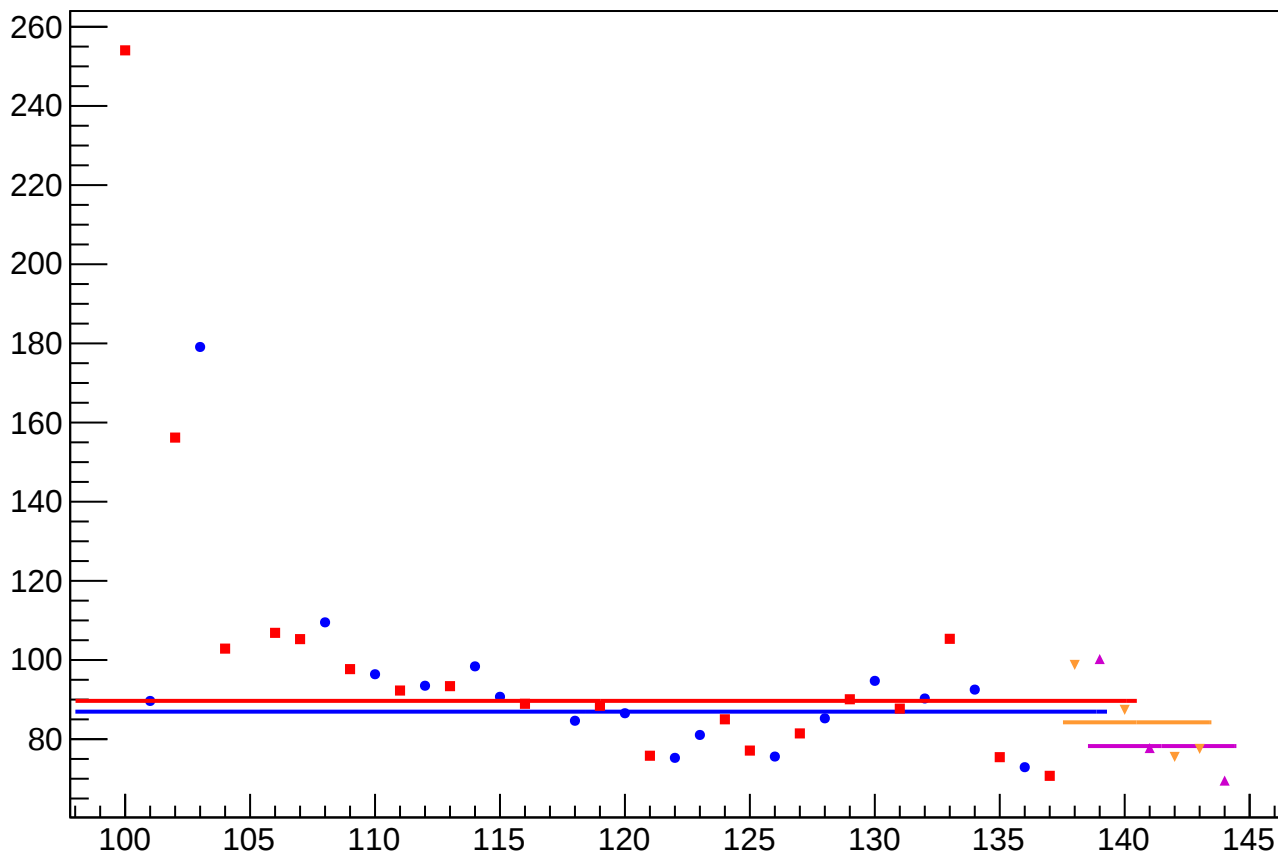
Left In: -18.619+/-51.082 χ^2/NDF : 1.0/2

+ sign 60.030+/-28.952 χ^2/NDF : 23.8/20

All: 0.992+/-20.404 χ^2/NDF : 49.4/42

- sign -57.269+/-28.760 χ^2/NDF : 17.4/21

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.949+/-0.024 χ^2/NDF : 453620.2/16

Left Out: 84.254+/-0.037 χ^2/NDF : 54239.3/3

Right Out: 89.674+/-0.025 χ^2/NDF : 429254.7/18

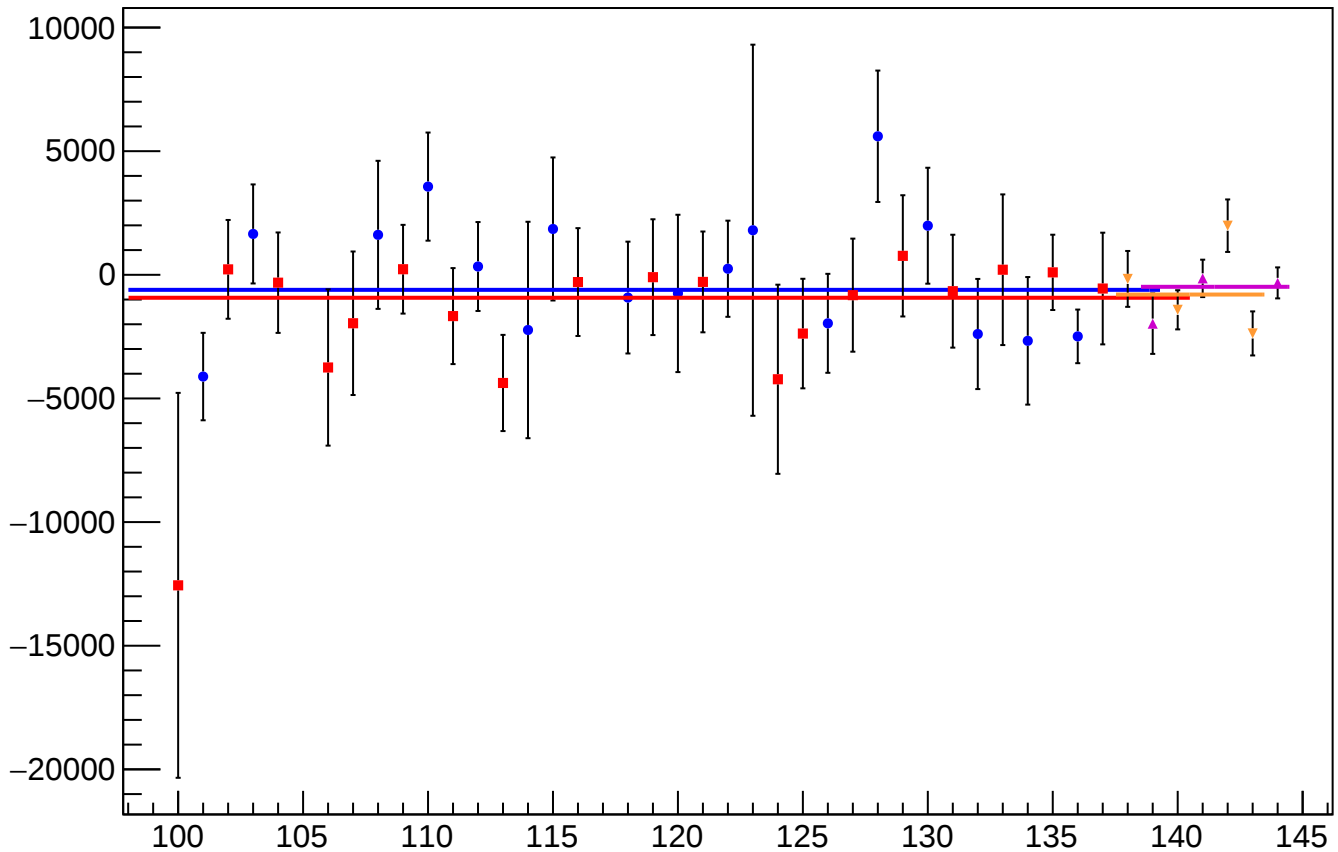
Left In: 78.255+/-0.036 χ^2/NDF : 95961.5/2

+ sign 86.137+/-0.020 χ^2/NDF : 511508.3/20

All: 86.095+/-0.014 χ^2/NDF : 1104996.0/42

- sign 86.054+/-0.020 χ^2/NDF : 593479.4/21

asym_sam_2468_avg_correction_mean vs Slug



Right In: -607.702+/-518.220 χ^2/NDF : 22.3/16

Left Out: -798.077+/-470.064 χ^2/NDF : 10.9/3

Right Out: -927.943+/-515.777 χ^2/NDF : 9.9/18

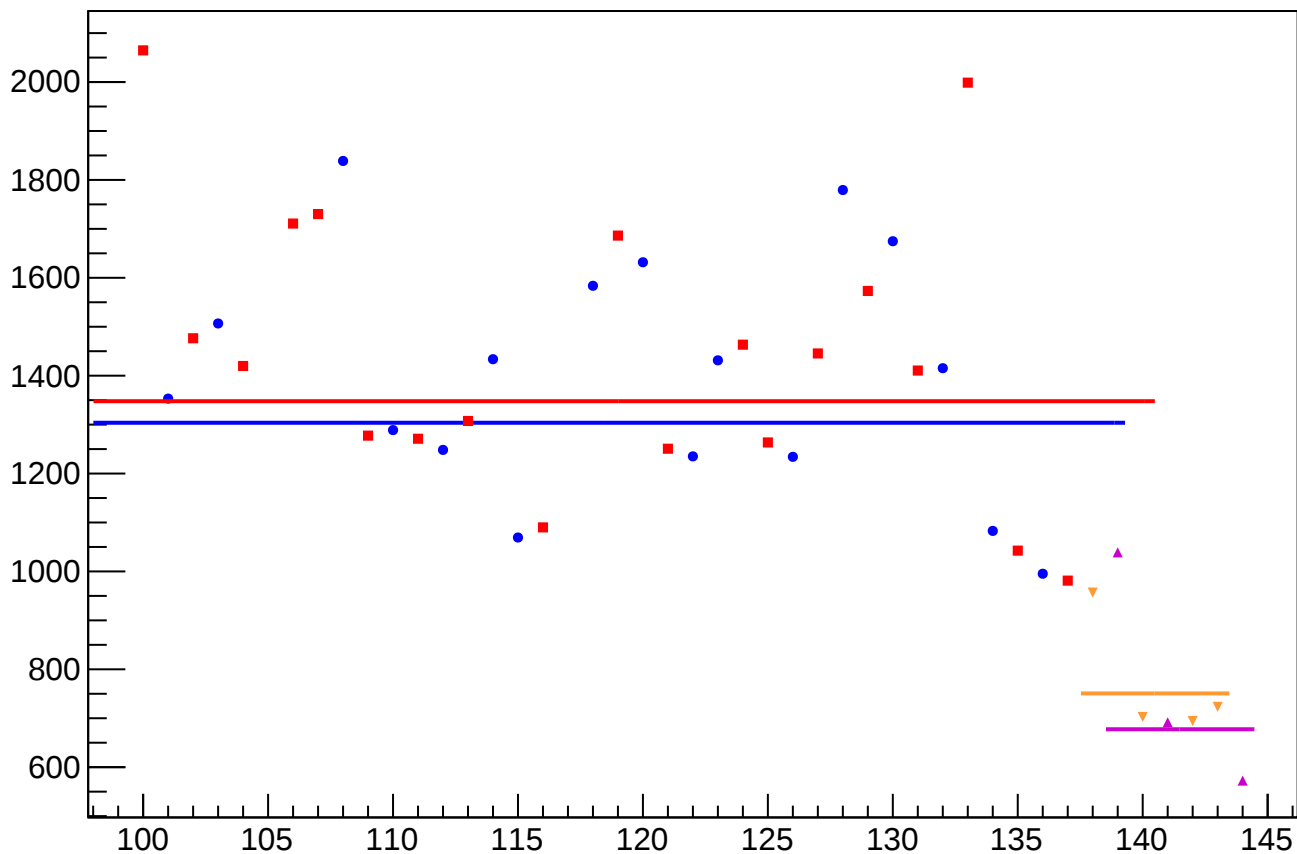
Left In: -485.051+/-448.930 χ^2/NDF : 1.8/2

+ sign -712.144+/-348.168 χ^2/NDF : 33.3/20

All: -693.547+/-242.748 χ^2/NDF : 45.3/42

- sign -675.955+/-338.626 χ^2/NDF : 12.0/21

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.810 $\pm$ 0.366 χ^2 /NDF: 456027.3/16

Left Out: 750.709 $\pm$ 0.332 χ^2 /NDF:81395.8/3

+ sign 1000.373 $\pm$ 0.246 χ^2 /NDF: 1787326.0/20

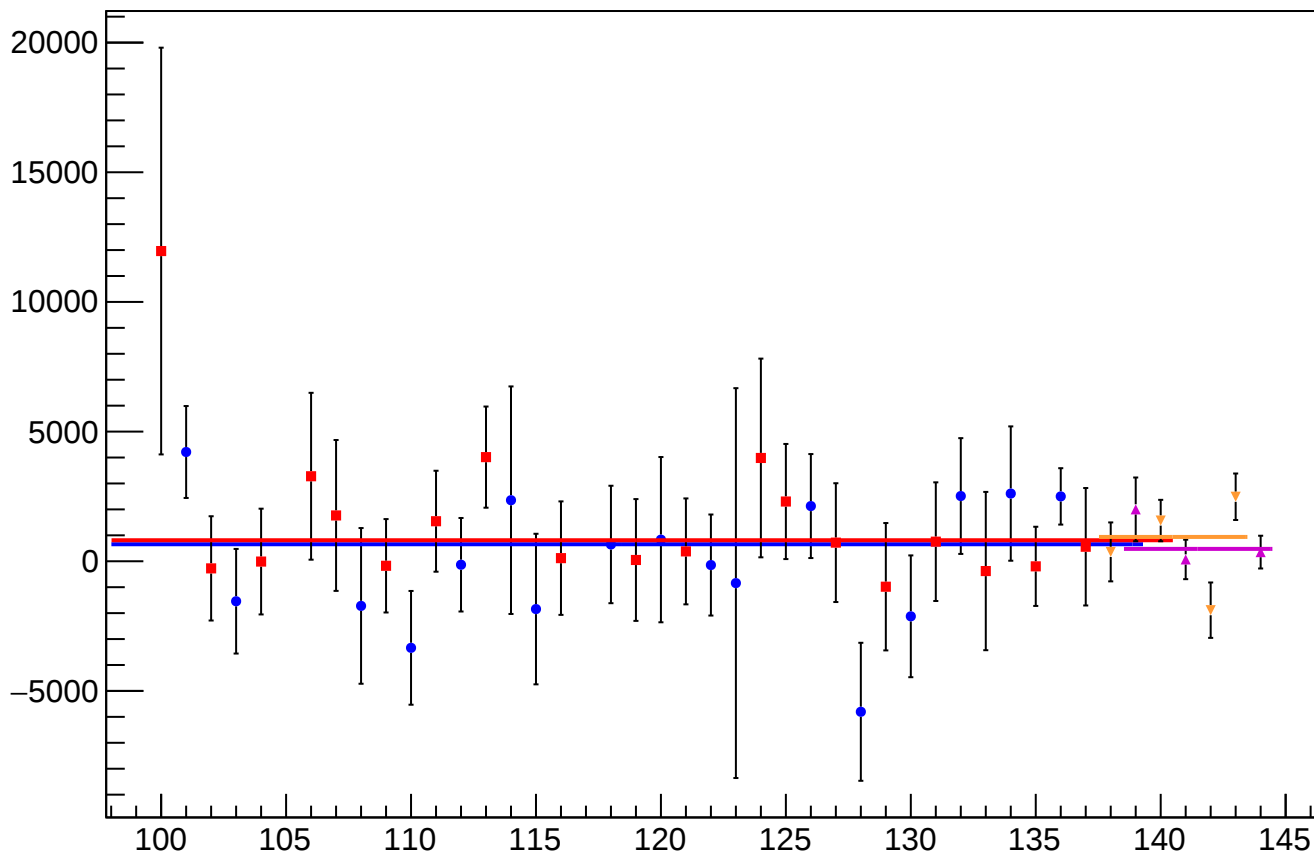
Right Out: 1347.826 $\pm$ 0.365 χ^2 /NDF: 421434.3/18

All: 982.933 $\pm$ 0.172 χ^2 /NDF: 4372247.1/42

- sign 966.437 $\pm$ 0.239 χ^2 /NDF: 2575157.2/21

Left In: 677.501 $\pm$ 0.317 χ^2 /NDF:231695.1/2

asym_sam_2468_avg_mean vs Slug



Right In: 655.779+/-519.695 χ^2/NDF : 22.4/16

Left Out: 937.921+/-473.163 χ^2/NDF : 10.9/3

Right Out: 810.322+/-517.488 χ^2/NDF : 8.8/18

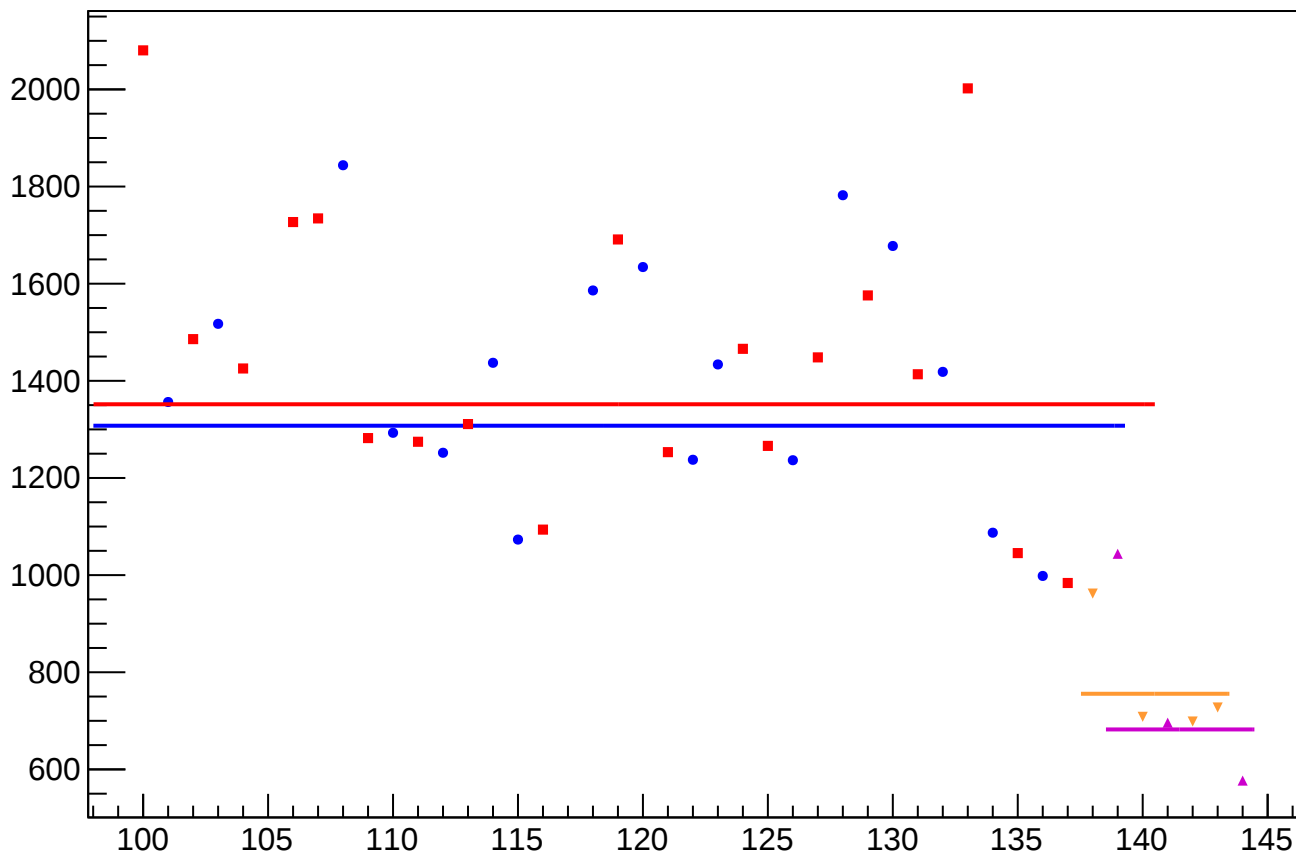
Left In: 476.926+/-451.969 χ^2/NDF : 1.9/2

+ sign 810.044+/-349.873 χ^2/NDF : 33.5/20

All: 713.031+/-243.984 χ^2/NDF : 44.5/42

- sign 621.195+/-340.413 χ^2/NDF : 10.9/21

asym_sam_2468_avg_rms vs Slug



Right In: 1307.585 $\pm$ 0.367 χ^2/NDF : 455146.3/16

Left Out: 755.714 $\pm$ 0.335 χ^2/NDF : 80686.5/3

Right Out: 1351.755 $\pm$ 0.366 χ^2/NDF : 422451.1/18

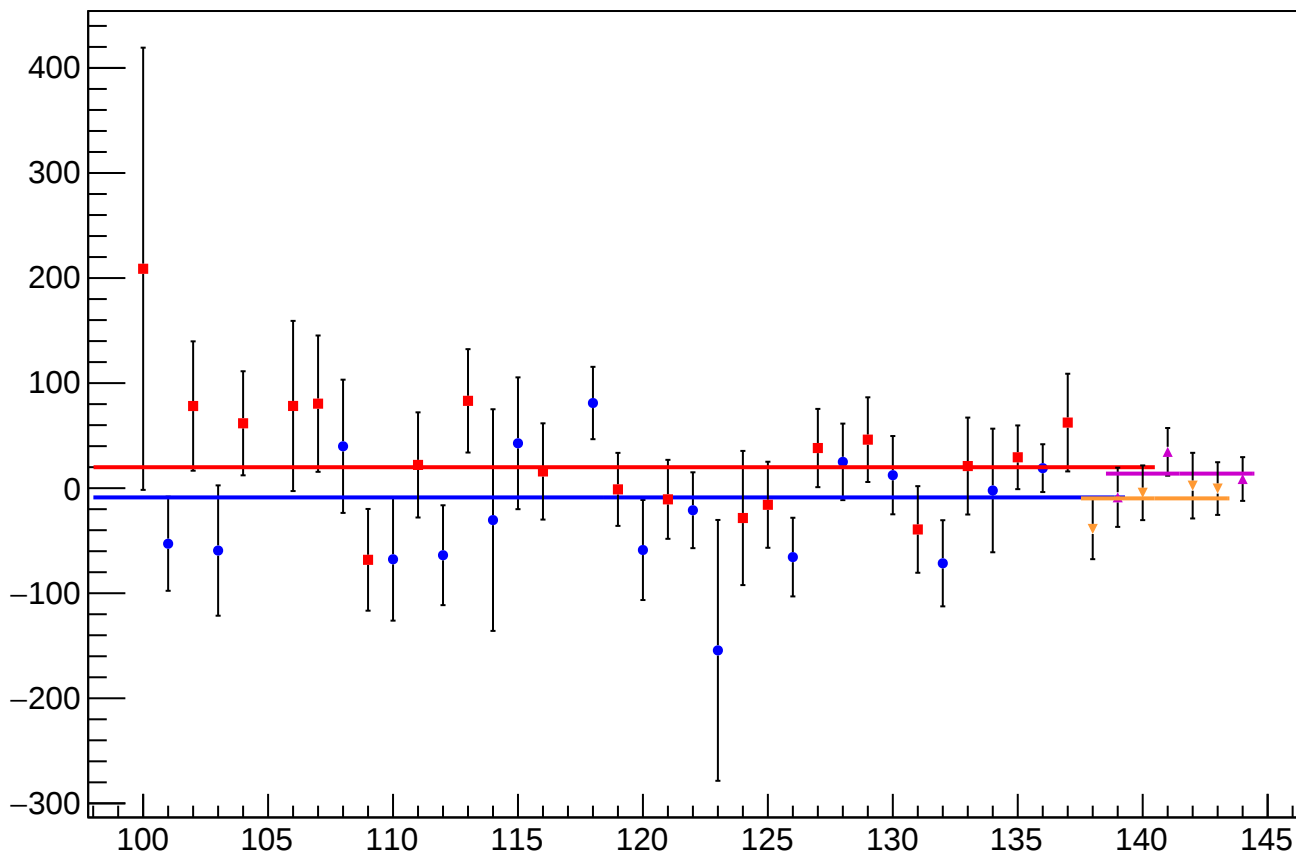
Left In: 682.258 $\pm$ 0.320 χ^2/NDF : 229768.3/2

+ sign 1005.842 $\pm$ 0.247 χ^2/NDF : 1768959.7/20

All: 988.440 $\pm$ 0.173 χ^2/NDF : 4329794.7/42

- sign 971.966 $\pm$ 0.241 χ^2/NDF : 2551203.4/21

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -8.789 ± 10.423 χ^2/NDF : 22.0/16

Left Out: -9.713 ± 13.738 χ^2/NDF : 1.4/3

Right Out: 19.948 ± 10.470 χ^2/NDF : 14.8/18

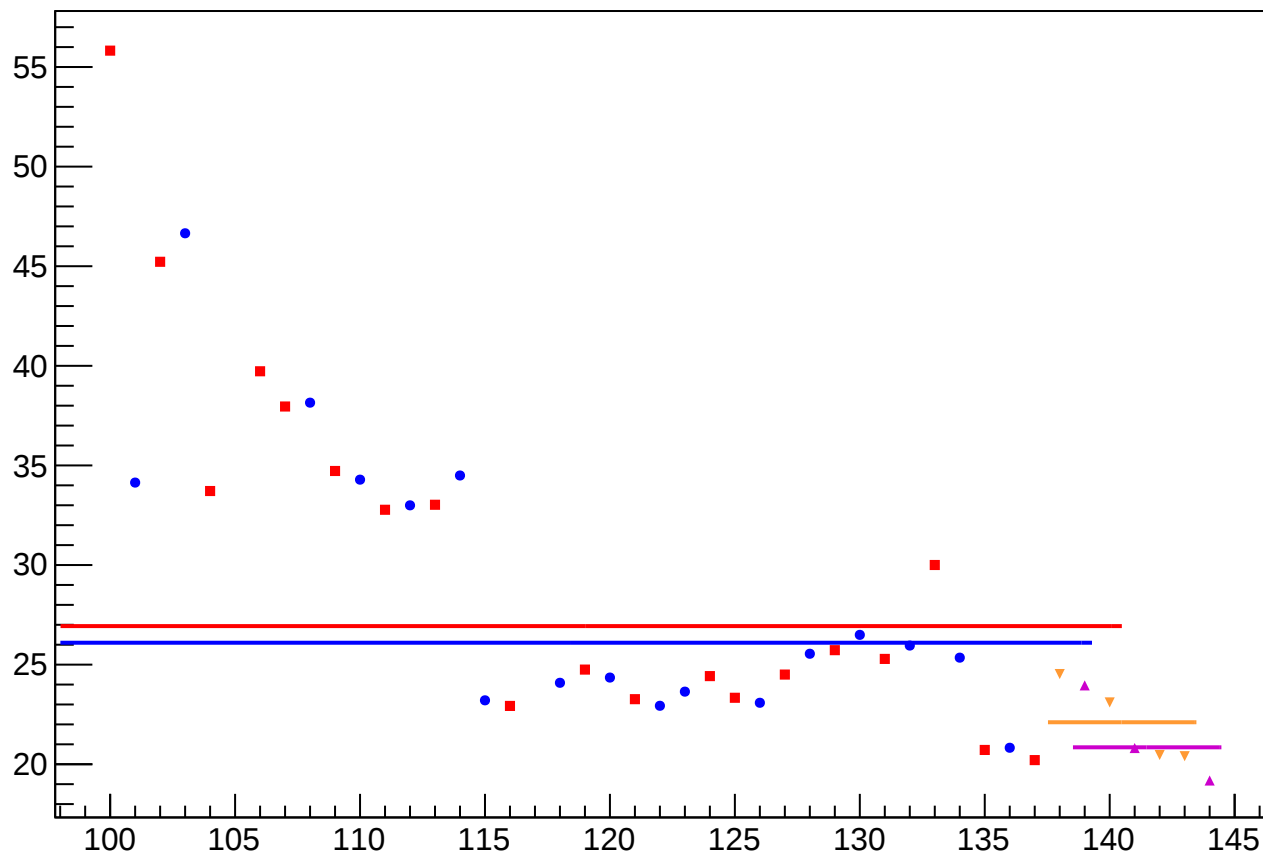
Left In: 13.856 ± 13.476 χ^2/NDF : 1.5/2

+ sign -9.127 ± 8.303 χ^2/NDF : 23.4/20

All: 4.322 ± 5.859 χ^2/NDF : 45.1/42

- sign 17.655 ± 8.268 χ^2/NDF : 16.5/21

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.100 $\pm$ 0.007 χ^2 /NDF: 601502.5/16

Left Out: 22.108 $\pm$ 0.010 χ^2 /NDF: 31838.5/3

Right Out: 26.935 $\pm$ 0.007 χ^2 /NDF: 677999.1/18

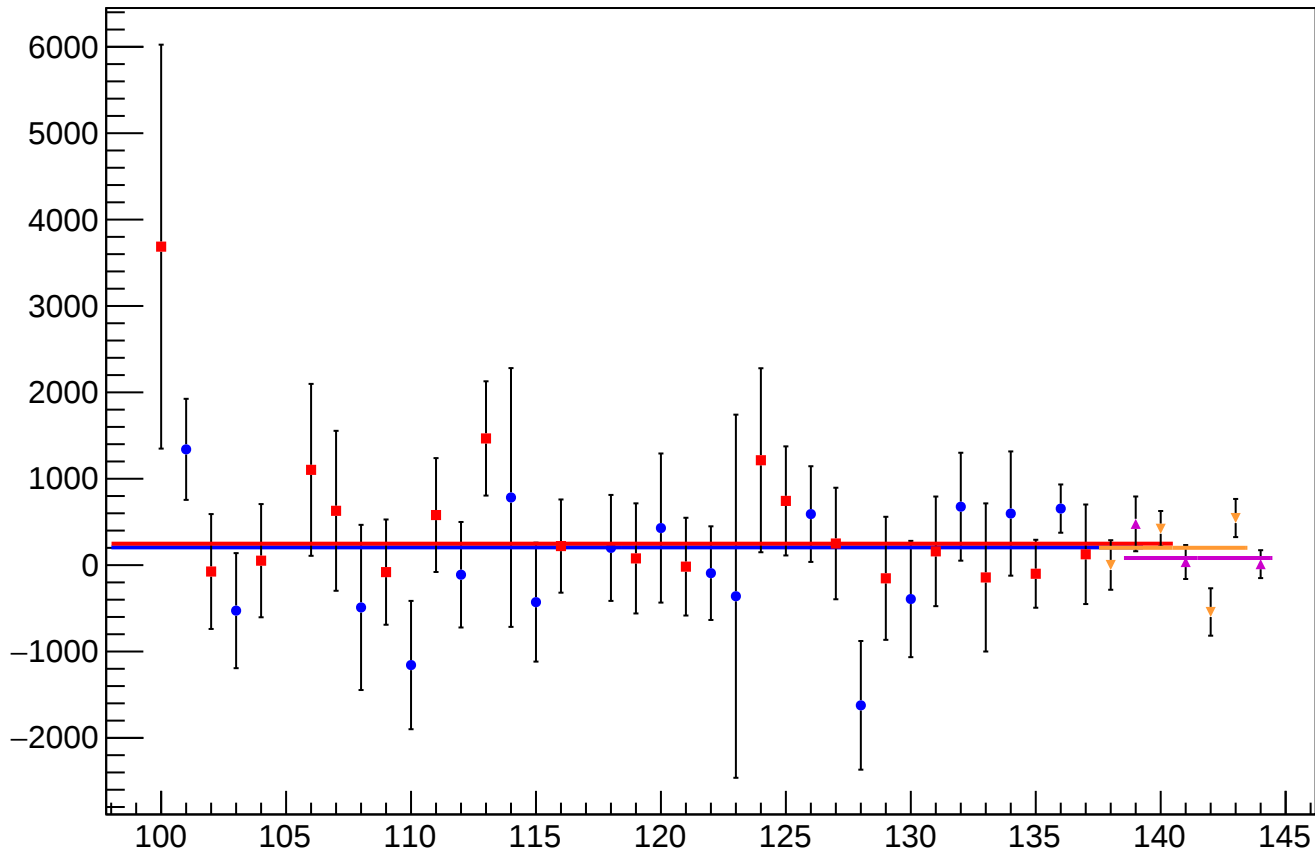
Left In: 20.850 $\pm$ 0.010 χ^2 /NDF: 37135.6/2

+ sign 24.641 $\pm$ 0.006 χ^2 /NDF: 740526.1/20

All: 24.643 $\pm$ 0.004 χ^2 /NDF: 1709942.9/42

- sign 24.644 $\pm$ 0.006 χ^2 /NDF: 969416.7/21

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 205.606 $\pm$ 148.196 χ^2 /NDF: 21.3/16

Left Out: 200.564 $\pm$ 119.915 χ^2 /NDF:11.4/3

Right Out: 248.324 $\pm$ 150.188 χ^2 /NDF: 10.4/18

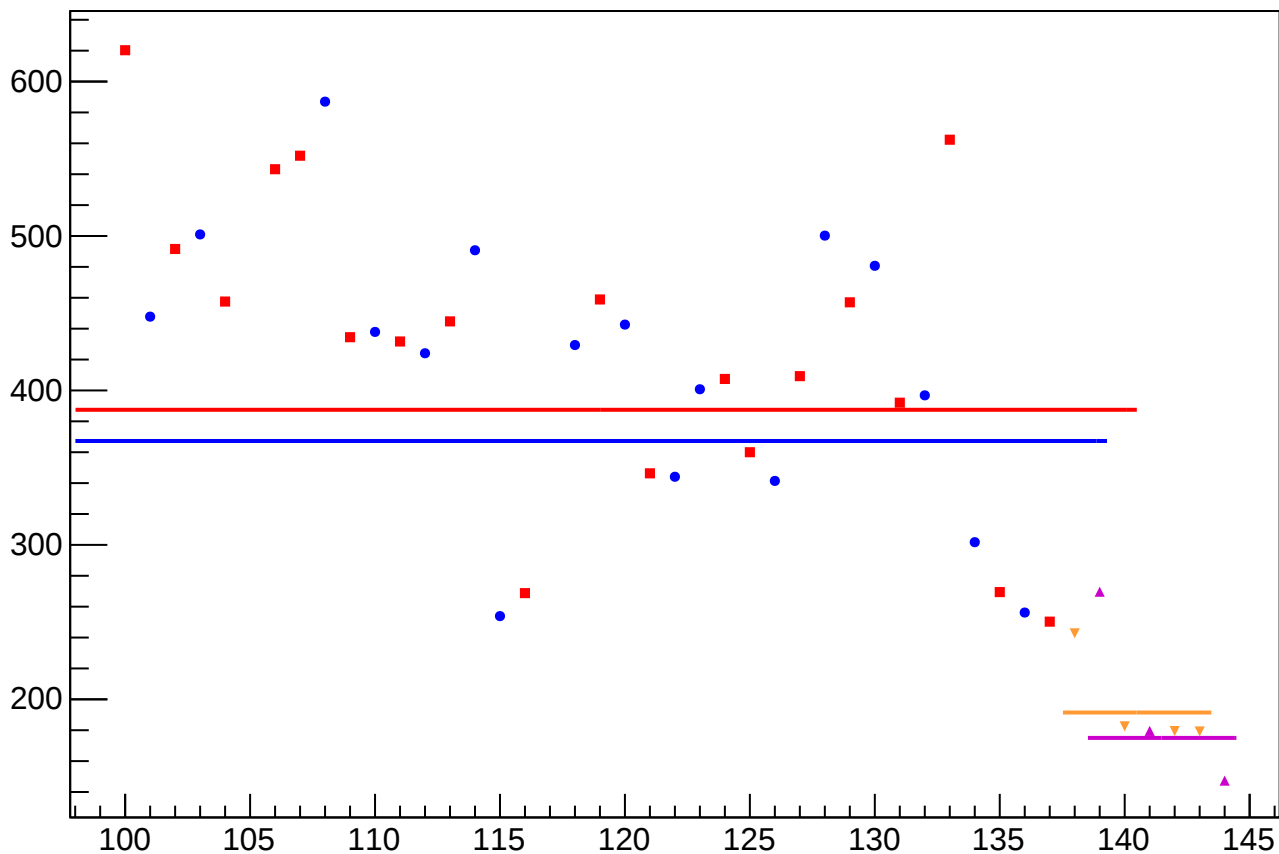
Left In: 82.539 $\pm$ 116.086 χ^2 /NDF:1.8/2

+ sign 202.559 $\pm$ 93.219 χ^2 /NDF: 32.7/20

All: 173.120 $\pm$ 65.426 χ^2 /NDF: 45.9/42

- sign 144.541 $\pm$ 91.848 χ^2 /NDF: 13.0/21

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.272 $\pm$ 0.105 χ^2 /NDF: 829589.7/16

Left Out: 191.467 $\pm$ 0.085 χ^2 /NDF: 77638.5/3

Right Out: 387.481 $\pm$ 0.106 χ^2 /NDF: 774967.1/18

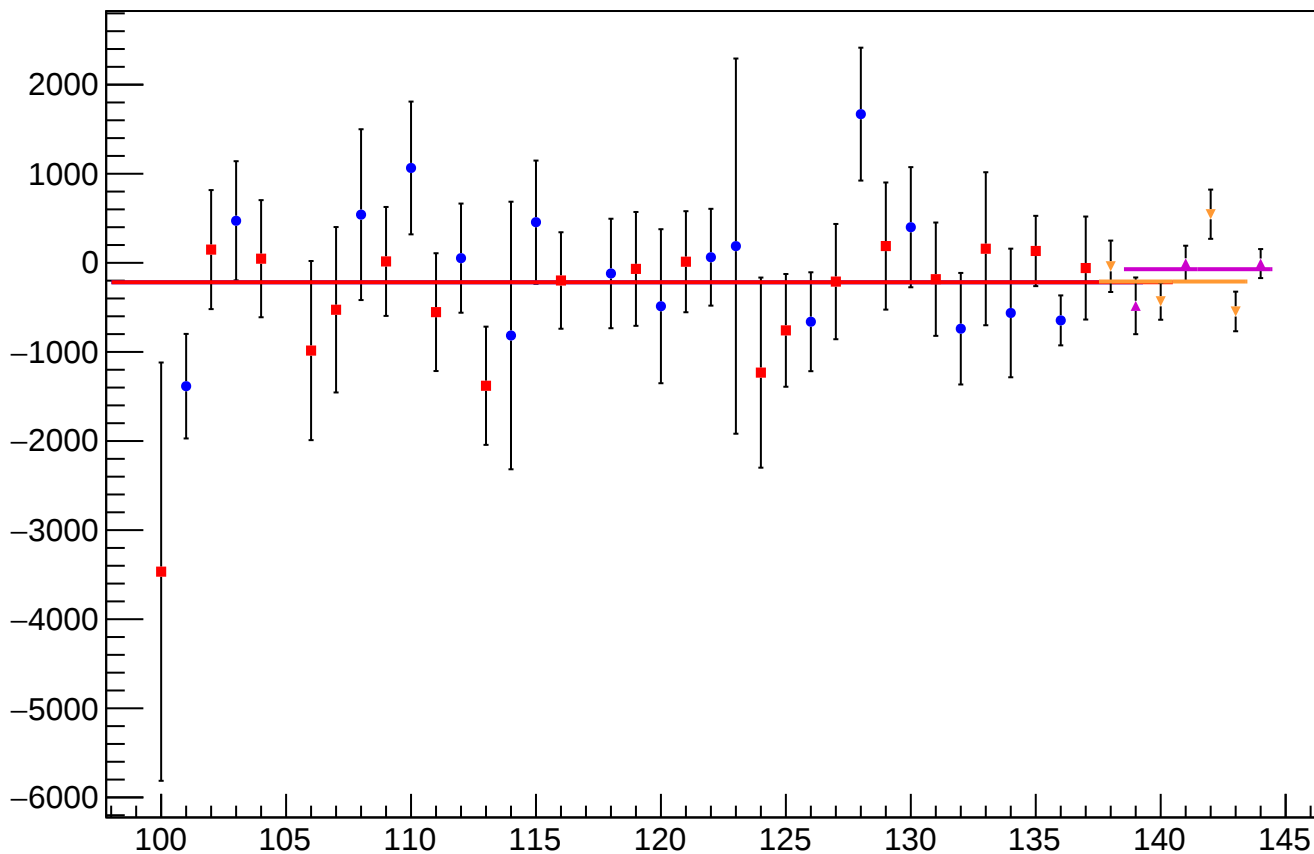
Left In: 175.021 $\pm$ 0.082 χ^2 /NDF: 238140.6/2

+ sign 261.029 $\pm$ 0.066 χ^2 /NDF: 2608174.8/20

All: 257.705 $\pm$ 0.046 χ^2 /NDF: 6131771.1/42

- sign 254.479 $\pm$ 0.065 χ^2 /NDF: 3518586.1/21

asym_sam_1357_2468_dd_mean vs Slug



Right In: -218.471+/-148.628 χ^2/NDF : 21.5/16

Left Out: -209.703+/-120.741 χ^2/NDF : 11.3/3

Right Out: -217.922+/-150.640 χ^2/NDF : 9.8/18

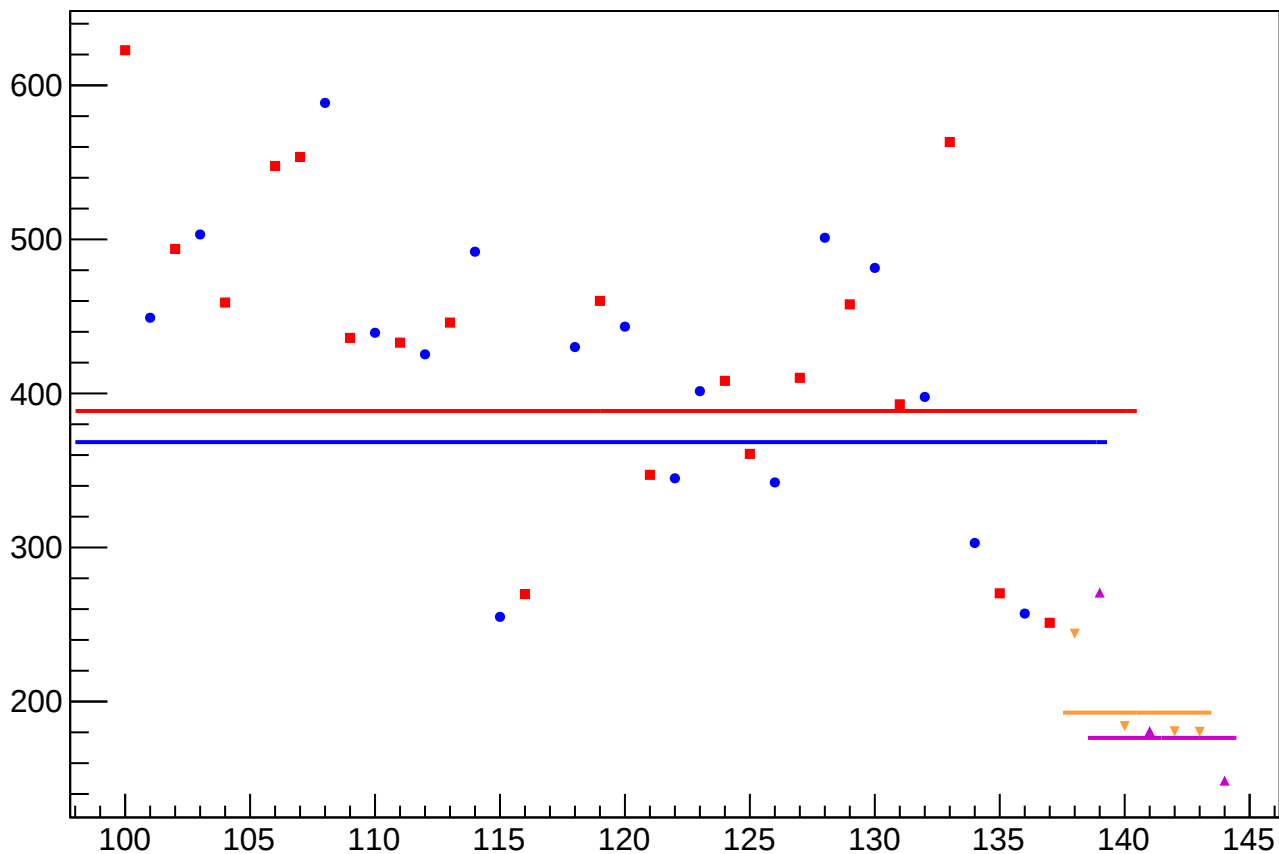
Left In: -71.368+/-116.940 χ^2/NDF : 1.9/2

+ sign -213.189+/-93.715 χ^2/NDF : 32.7/20

All: -169.208+/-65.787 χ^2/NDF : 45.5/42

- sign -126.476+/-92.374 χ^2/NDF : 12.3/21

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.392 +/- 0.105 χ^2/NDF : 826964.8/16

Left Out: 192.818 +/- 0.085 χ^2/NDF : 76801.0/3

Right Out: 388.611 +/- 0.107 χ^2/NDF : 775115.8/18

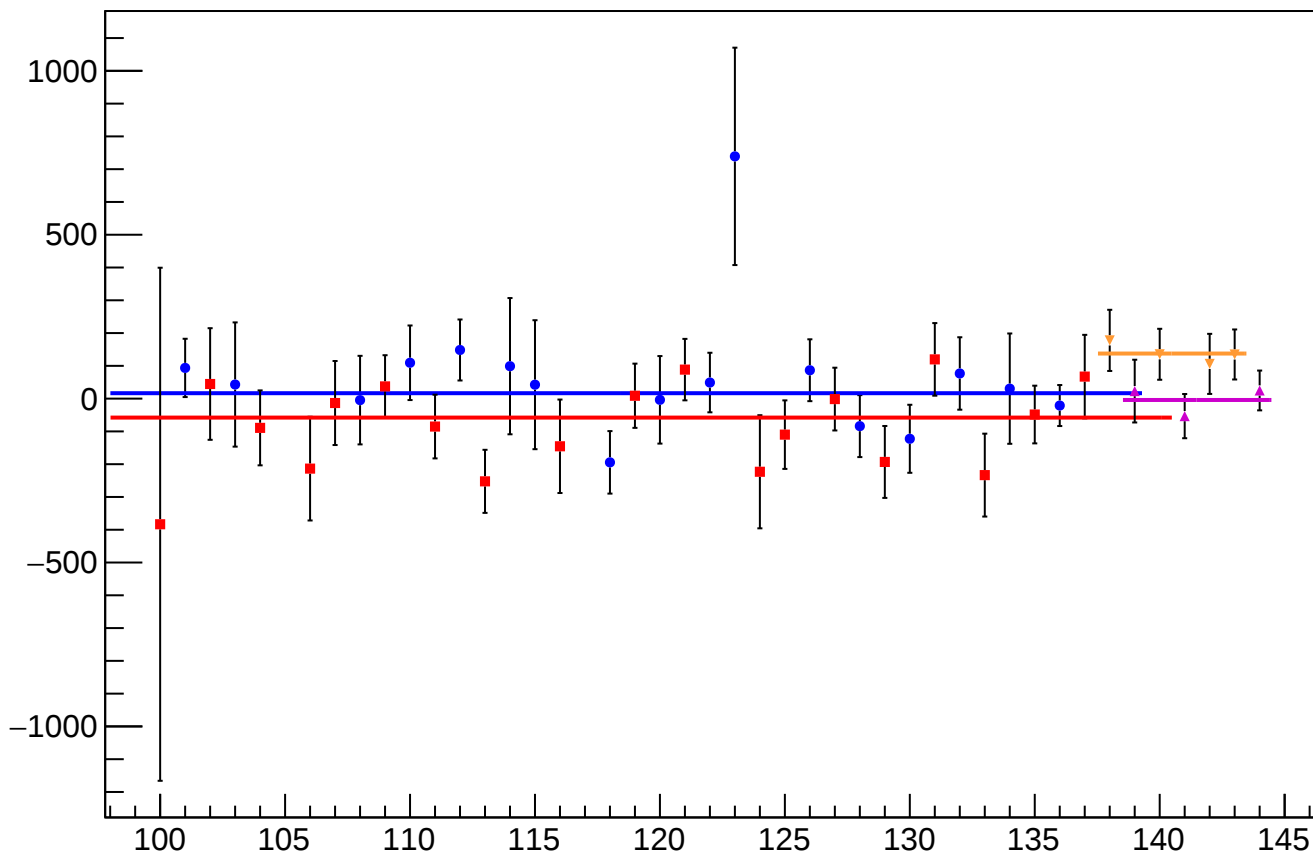
Left In: 176.393 +/- 0.083 χ^2/NDF : 234917.3/2

+ sign 262.620 +/- 0.066 χ^2/NDF : 2585106.9/20

All: 259.360 +/- 0.047 χ^2/NDF : 6076665.6/42

- sign 256.192 +/- 0.065 χ^2/NDF : 3486786.1/21

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 16.561 $\pm$ 26.377 χ^2 /NDF: 17.6/16

Left Out: 137.531 $\pm$ 41.839 χ^2 /NDF: 0.3/3

Right Out: -57.839 $\pm$ 26.196 χ^2 /NDF: 18.7/18

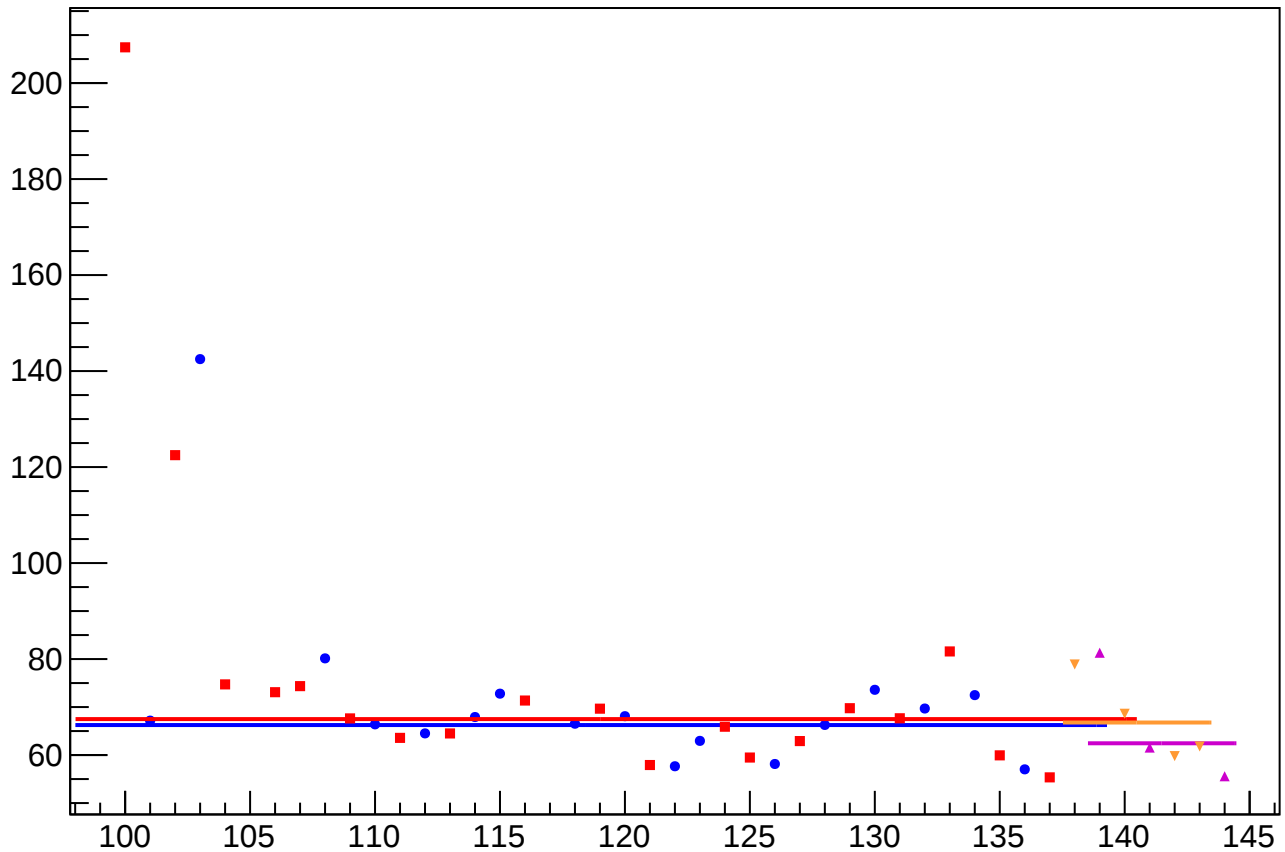
Left In: -4.118 $\pm$ 40.808 χ^2 /NDF: 0.8/2

+ sign 50.965 $\pm$ 22.313 χ^2 /NDF: 23.9/20

All: 3.839 $\pm$ 15.682 χ^2 /NDF: 53.4/42

- sign -42.162 $\pm$ 22.045 χ^2 /NDF: 20.7/21

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.252 $\pm$ 0.019 χ^2 /NDF: 439625.4/16

Left Out: 66.780 $\pm$ 0.030 χ^2 /NDF: 54939.8/3

Right Out: 67.493 $\pm$ 0.019 χ^2 /NDF: 392346.8/18

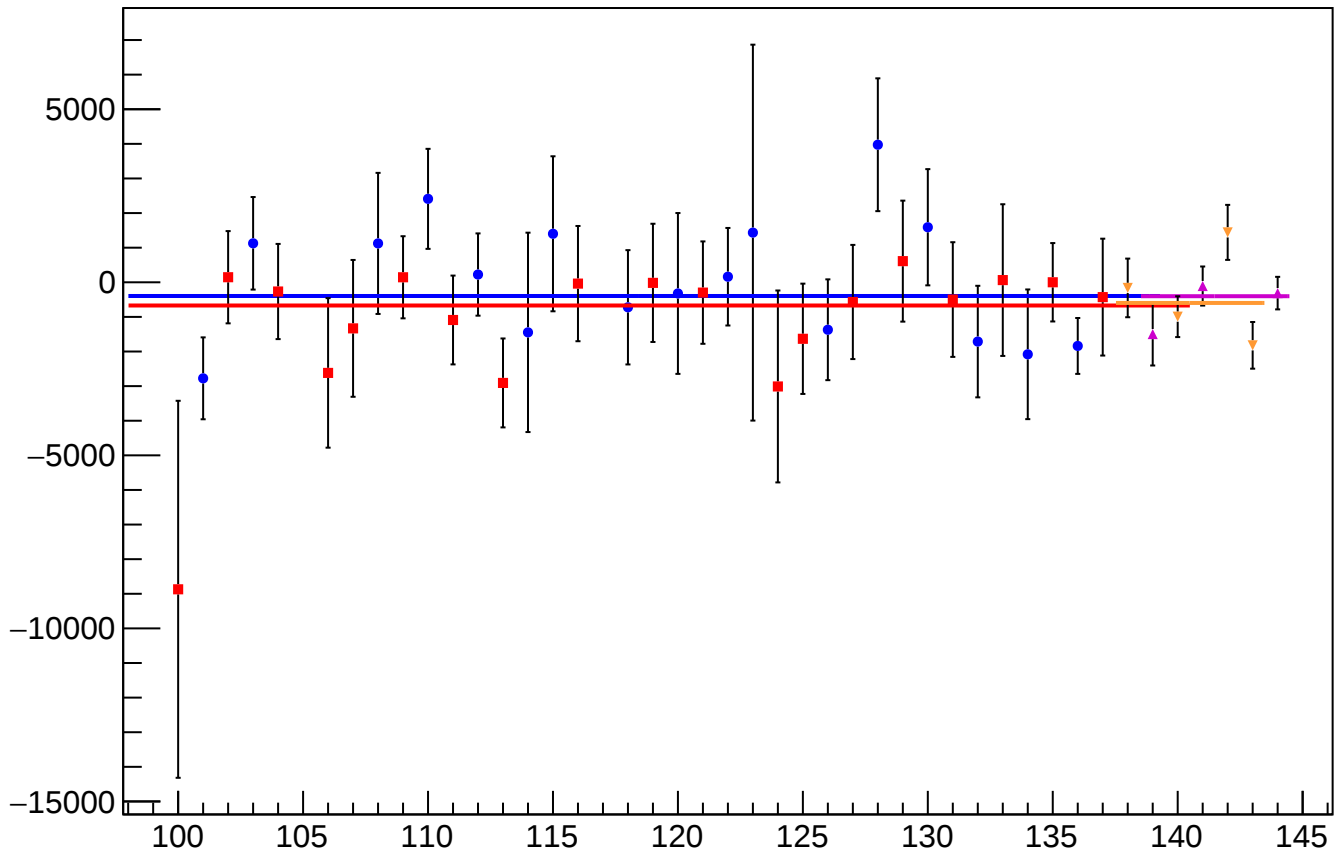
Left In: 62.453 $\pm$ 0.029 χ^2 /NDF: 103691.1/2

+ sign 66.402 $\pm$ 0.016 χ^2 /NDF: 494792.8/20

All: 66.210 $\pm$ 0.011 χ^2 /NDF: 1012731.1/42

- sign 66.022 $\pm$ 0.016 χ^2 /NDF: 517644.5/21

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -395.700+/-367.296 χ^2/NDF : 22.7/16

Left Out: -596.669+/-352.451 χ^2/NDF : 10.6/3

Right Out: -670.465+/-362.692 χ^2/NDF : 9.7/18

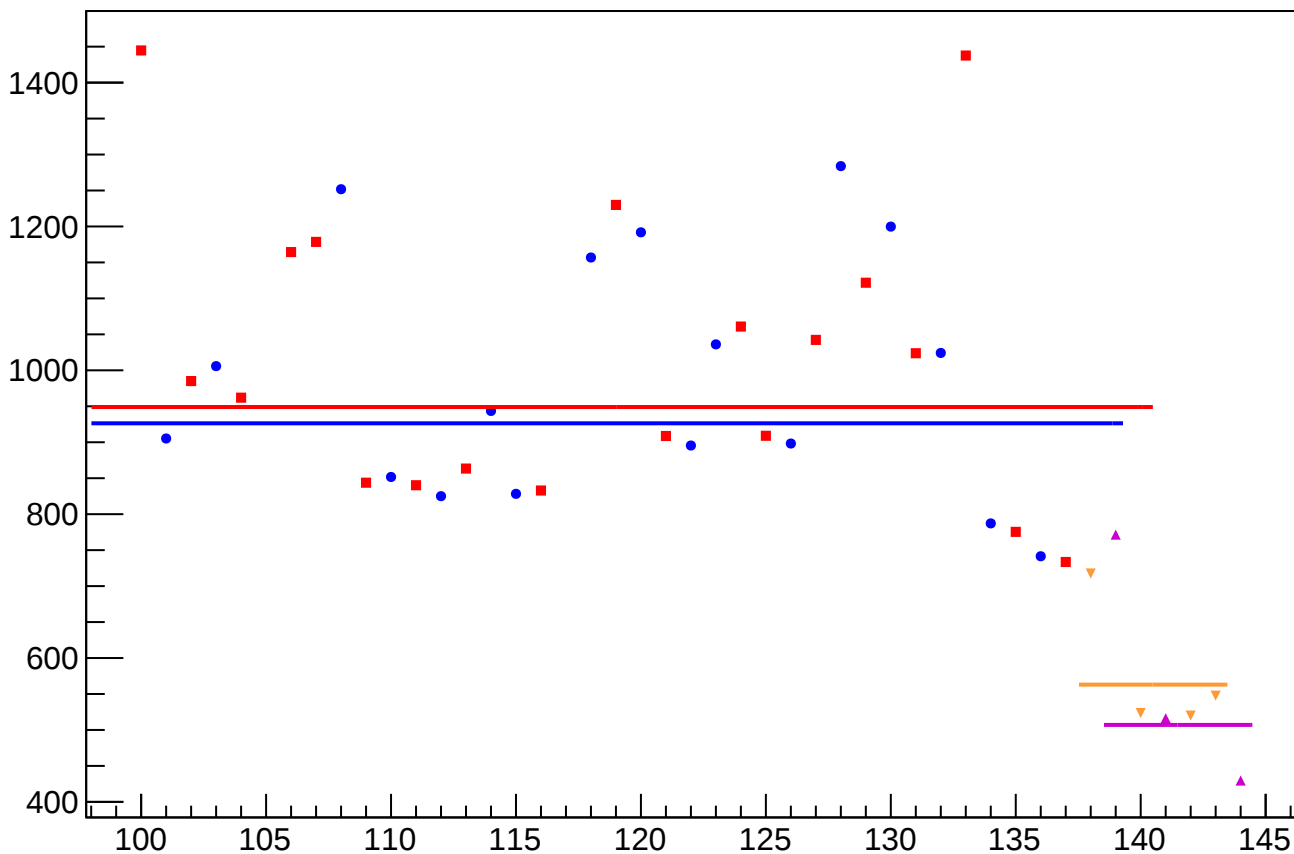
Left In: -401.996+/-335.647 χ^2/NDF : 1.8/2

+ sign -500.328+/-254.306 χ^2/NDF : 33.5/20

All: -513.494+/-176.940 χ^2/NDF : 45.3/42

- sign -525.849+/-246.345 χ^2/NDF : 11.8/21

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 926.339 $\pm$ 0.260 χ^2 /NDF: 395813.5/16

Left Out: 562.999 $\pm$ 0.249 χ^2 /NDF:82381.5/3

Right Out: 948.981 $\pm$ 0.256 χ^2 /NDF: 382928.4/18

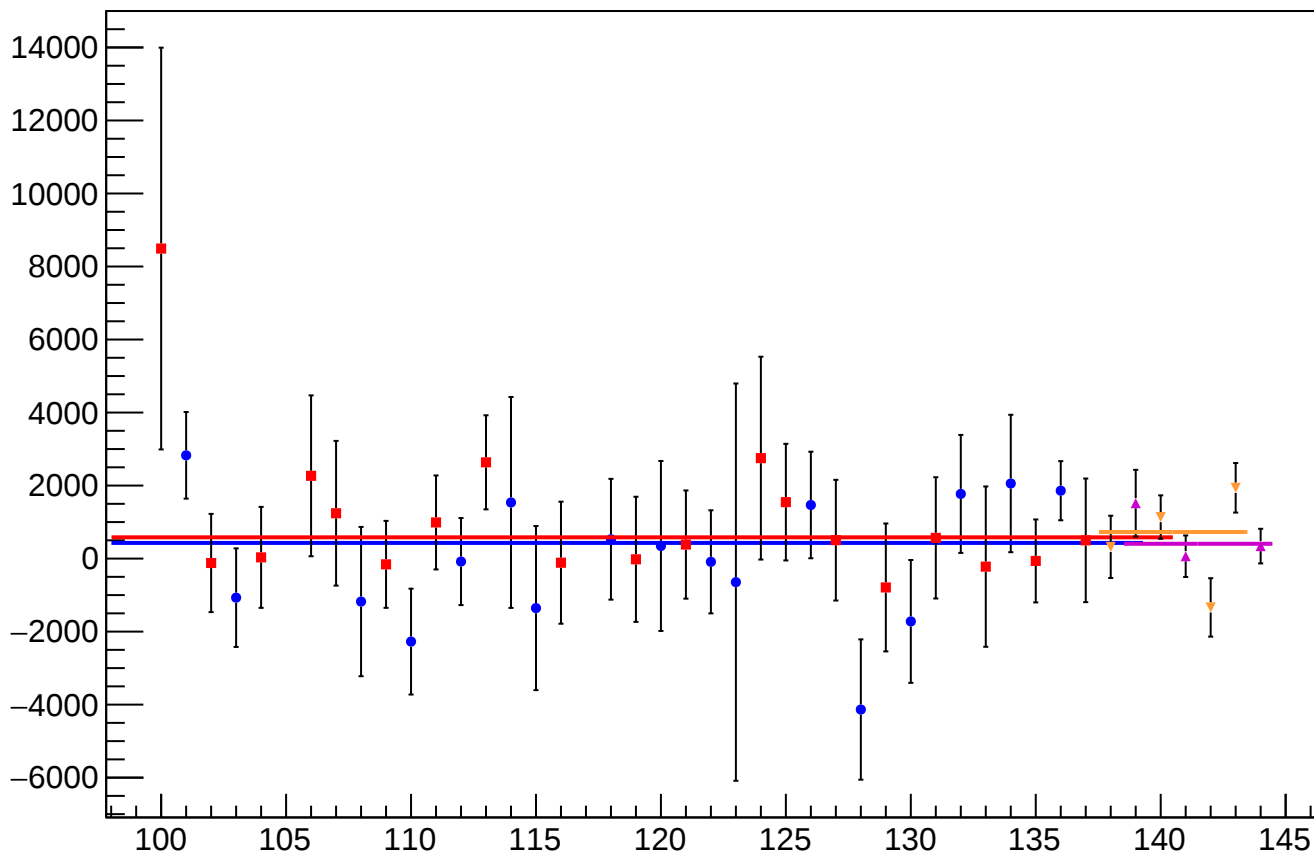
Left In: 507.002 $\pm$ 0.237 χ^2 /NDF:224532.0/2

+ sign 737.178 $\pm$ 0.180 χ^2 /NDF: 1497125.0/20

All: 723.621 $\pm$ 0.125 χ^2 /NDF: 3715452.8/42

- sign 710.900 $\pm$ 0.174 χ^2 /NDF: 2207310.5/21

asym_sam_12345678_avg_mean vs Slug



Right In: 429.343+/-368.550 χ^2/NDF : 22.9/16

Left Out: 727.469+/-355.044 χ^2/NDF :10.5/3

Right Out: 582.178+/-364.139 χ^2/NDF : 8.6/18

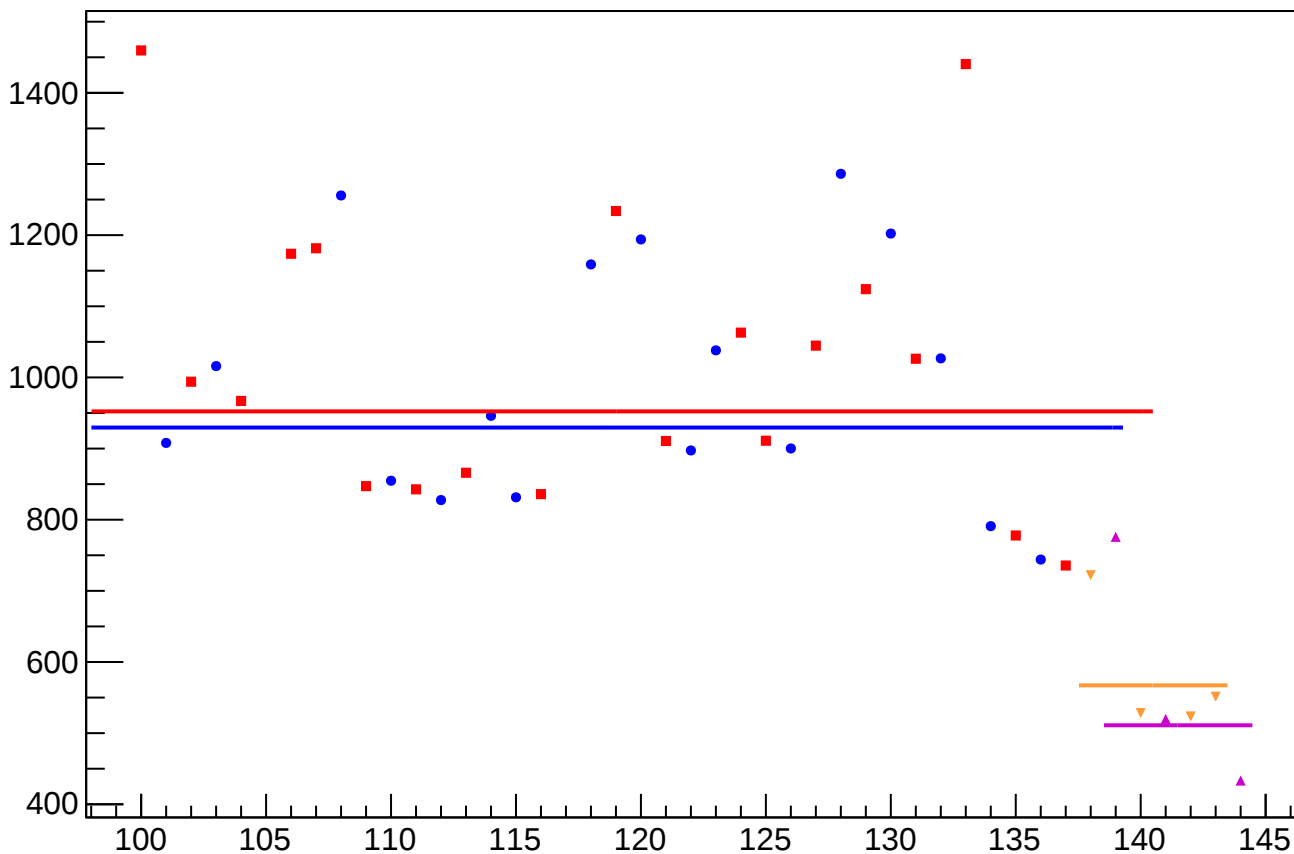
Left In: 405.260+/-338.227 χ^2/NDF :1.9/2

+ sign 583.968+/-255.695 χ^2/NDF : 33.8/20

All: 534.071+/-177.953 χ^2/NDF : 44.4/42

- sign 487.201+/-247.817 χ^2/NDF : 10.6/21

asym_sam_12345678_avg_rms vs Slug



Right In: 929.549 ± 0.261 χ^2/NDF : 394903.7/16

Left Out: 567.178 ± 0.251 χ^2/NDF : 81576.5/3

Right Out: 952.283 ± 0.257 χ^2/NDF : 383199.7/18

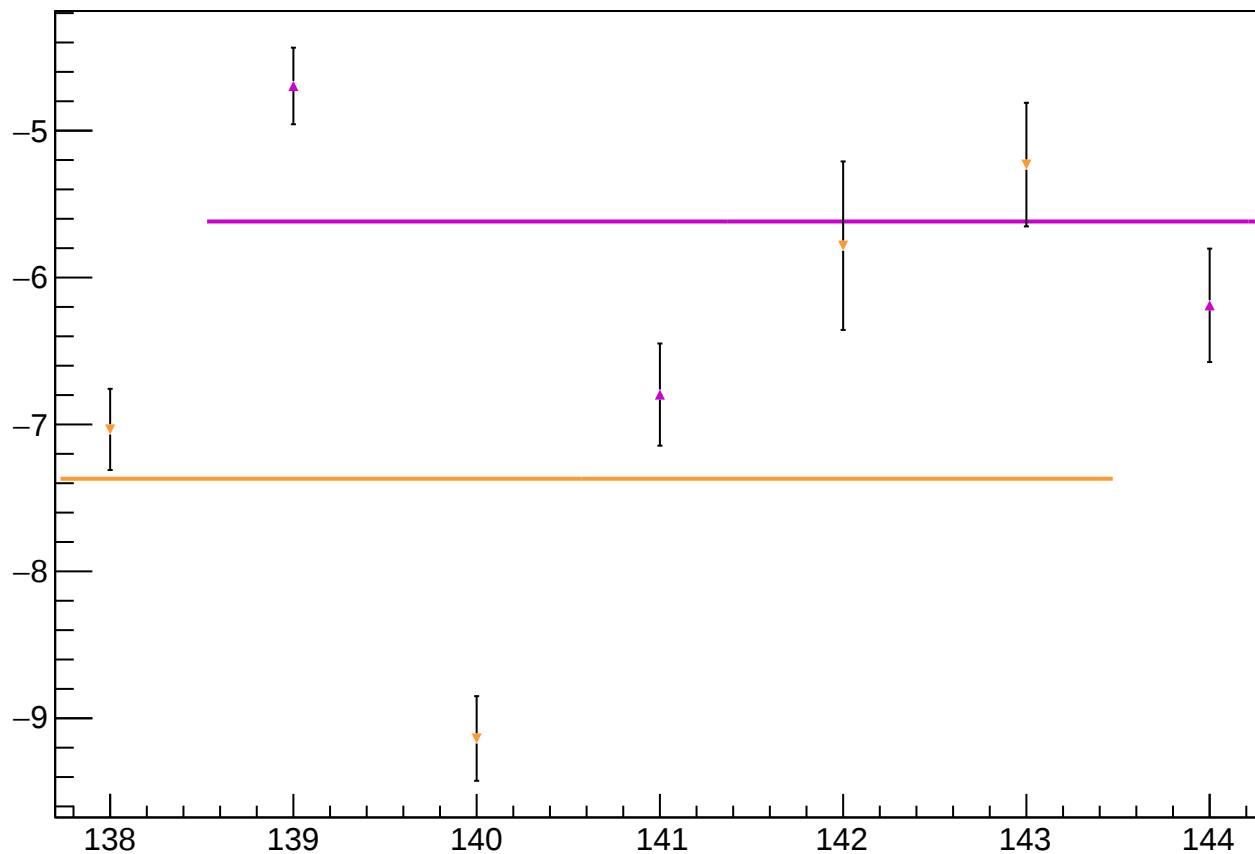
Left In: 511.031 ± 0.239 χ^2/NDF : 222521.4/2

+ sign 741.602 ± 0.181 χ^2/NDF : 1479304.0/20

All: 728.091 ± 0.126 χ^2/NDF : 3672440.7/42

- sign 715.400 ± 0.175 χ^2/NDF : 2182307.0/21

reg_asym_sam1_diff_bpm1X_slope vs Slug



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

Left Out: -7.370+/-0.172 χ^2/NDF : 72.6/3

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

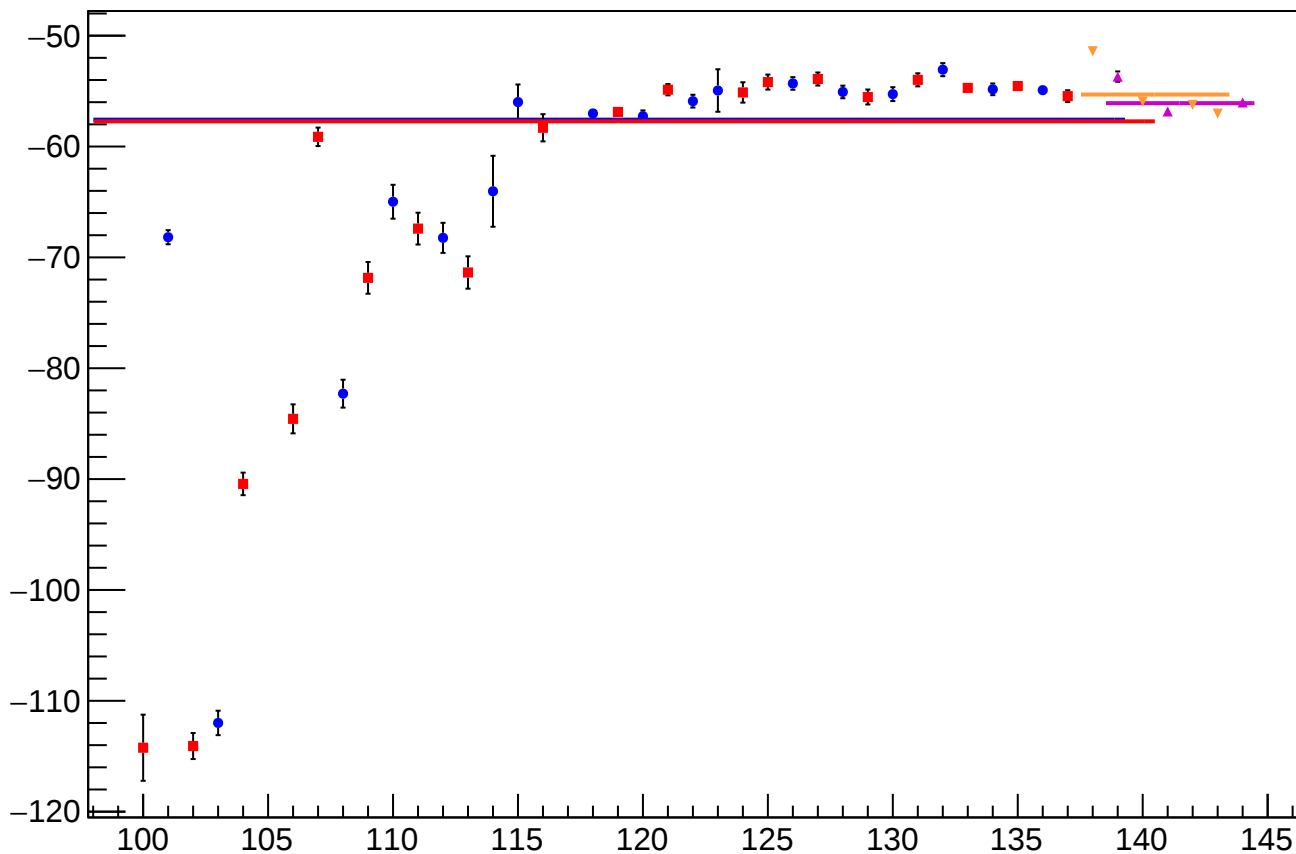
Left In: -5.618+/-0.184 χ^2/NDF : 26.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -6.551+/-0.125 χ^2/NDF : 147.3/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.574 ± 0.143 χ^2/NDF : 3458.2/16

Left Out: -55.311 ± 0.148 χ^2/NDF : 194.3/3

Right Out: -57.728 ± 0.143 χ^2/NDF : 4700.5/18

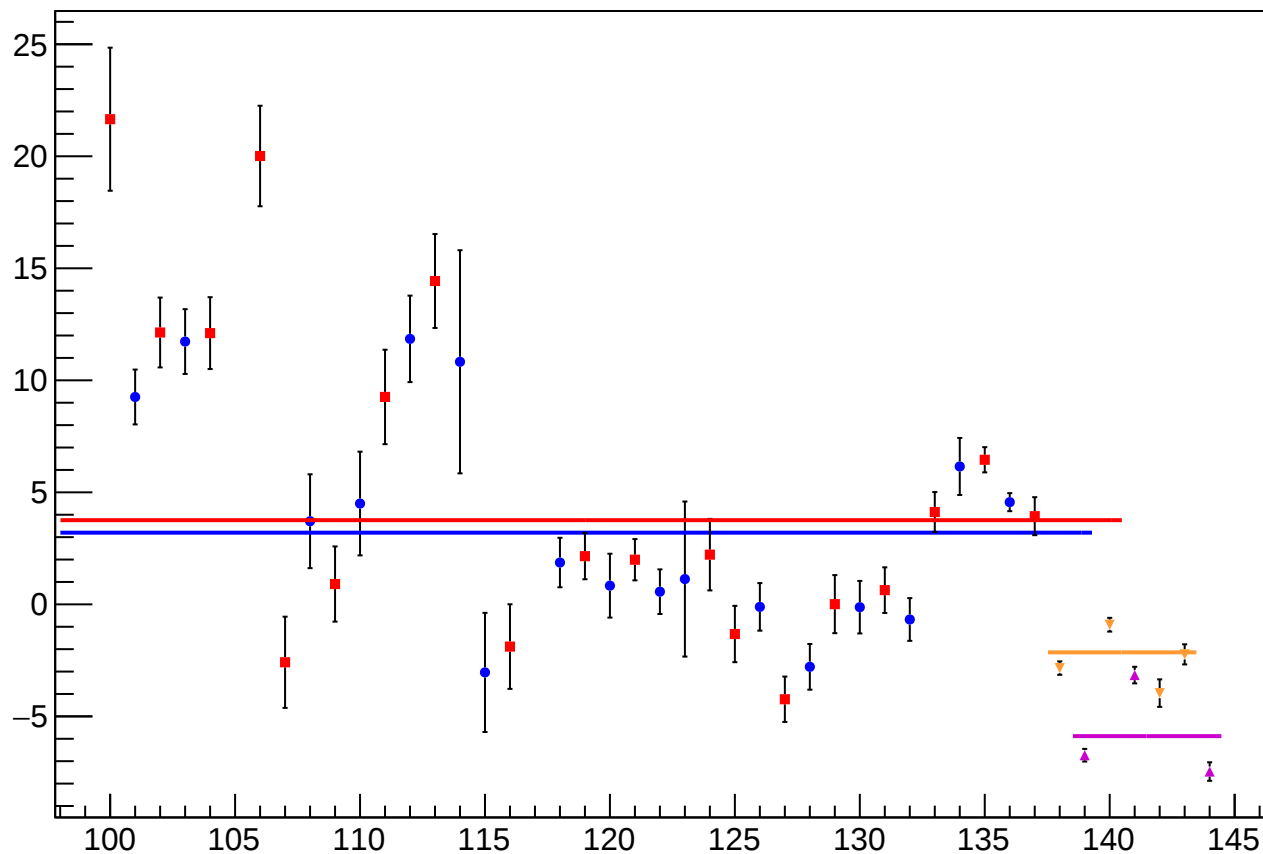
Left In: -56.088 ± 0.173 χ^2/NDF : 35.3/2

+ sign -56.477 ± 0.103 χ^2/NDF : 3773.6/20

All: -56.748 ± 0.075 χ^2/NDF : 8577.8/42

- sign -57.061 ± 0.110 χ^2/NDF : 4789.2/21

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.200 ± 0.259 χ^2/NDF : 184.7/16

Left Out: -2.142 ± 0.185 χ^2/NDF : 30.5/3

Right Out: 3.758 ± 0.268 χ^2/NDF : 320.9/18

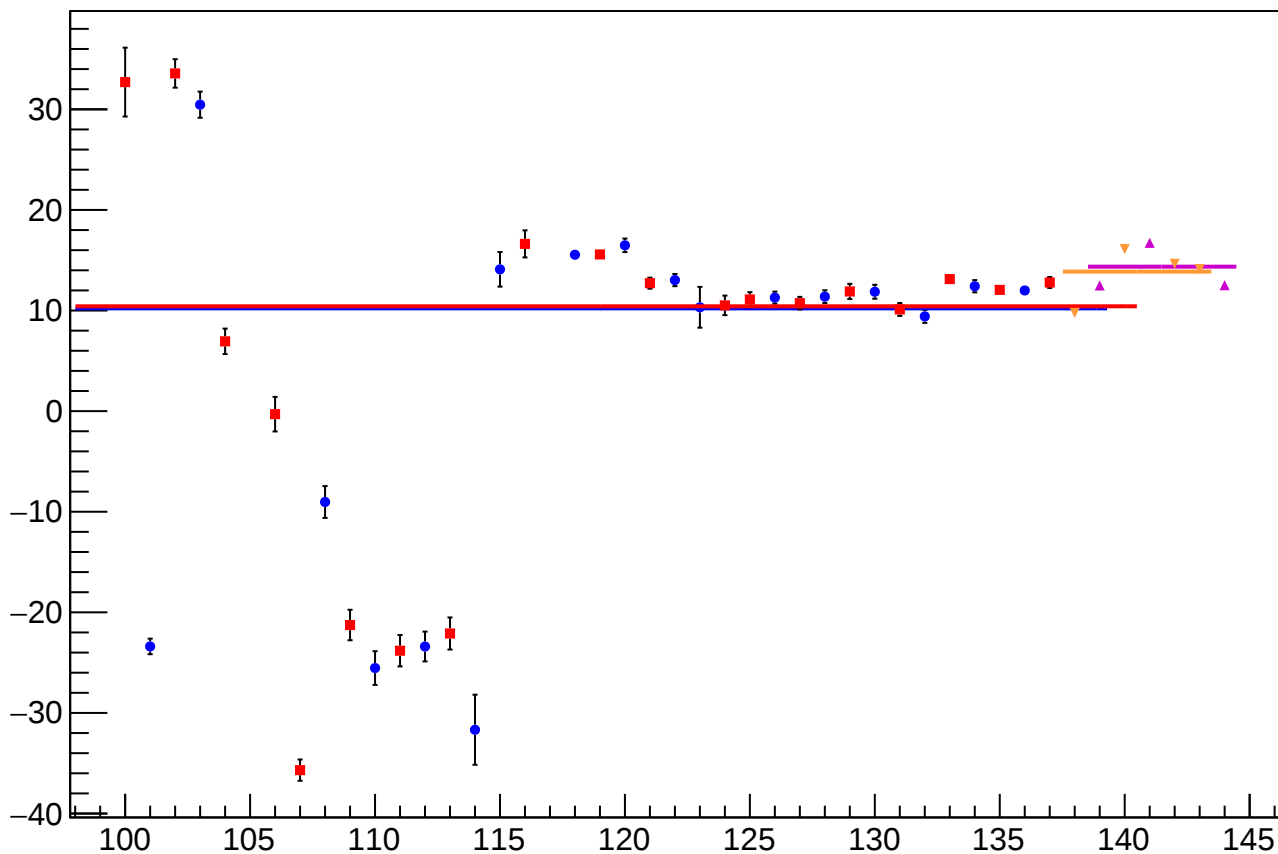
Left In: -5.882 ± 0.197 χ^2/NDF : 78.0/2

+ sign -0.344 ± 0.150 χ^2/NDF : 496.8/20

All: -1.360 ± 0.109 χ^2/NDF : 1831.4/42

- sign -2.494 ± 0.159 χ^2/NDF : 1237.9/21

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.213+/-0.158 χ^2/NDF : 3680.0/16

Left Out: 13.870+/-0.173 χ^2/NDF :198.2/3

Right Out: 10.422+/-0.160 χ^2/NDF : 3826.2/18

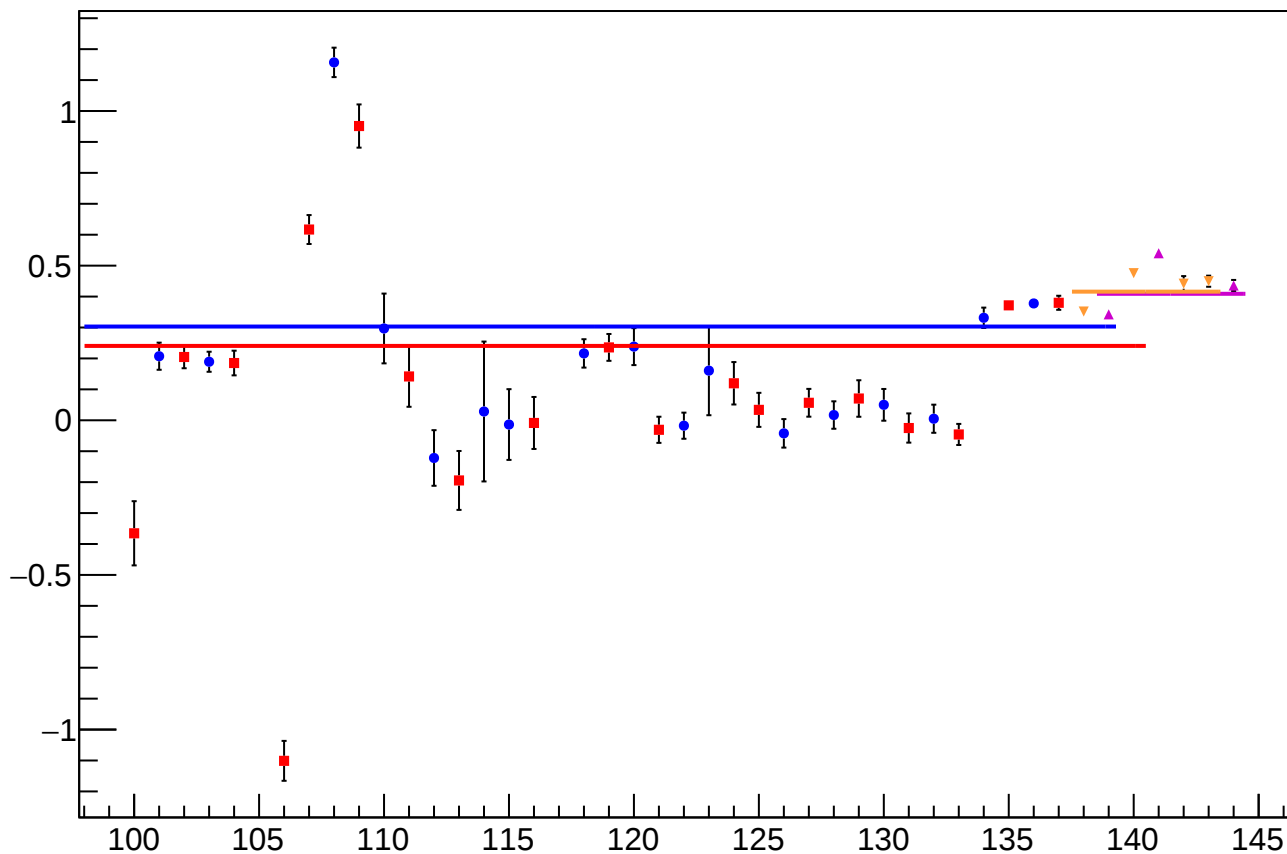
Left In: 14.360+/-0.199 χ^2/NDF :111.1/2

+ sign 11.875+/-0.117 χ^2/NDF : 4120.9/20

All: 11.922+/-0.085 χ^2/NDF : 8296.7/42

- sign 11.975+/-0.125 χ^2/NDF : 4175.4/21

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 647.2/16

Left Out: 0.416 $\pm$ 0.007 χ^2 /NDF: 55.9/3

Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 983.3/18

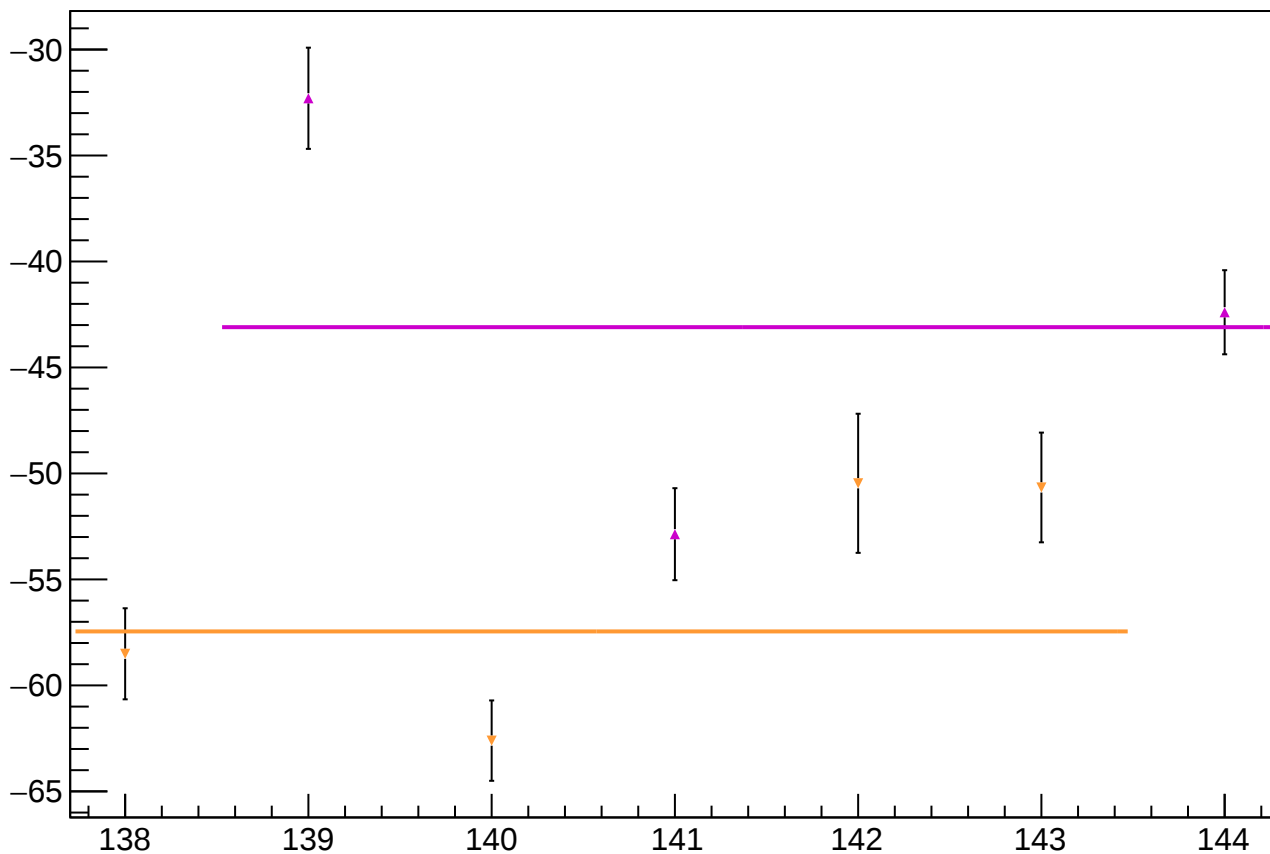
Left In: 0.409 $\pm$ 0.008 χ^2 /NDF: 124.9/2

+ sign 0.365 $\pm$ 0.006 χ^2 /NDF: 806.4/20

All: 0.351 $\pm$ 0.004 χ^2 /NDF: 2148.5/42

- sign 0.336 $\pm$ 0.006 χ^2 /NDF: 1328.2/21

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -57.454+/-1.165 χ^2/NDF : 19.1/3

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

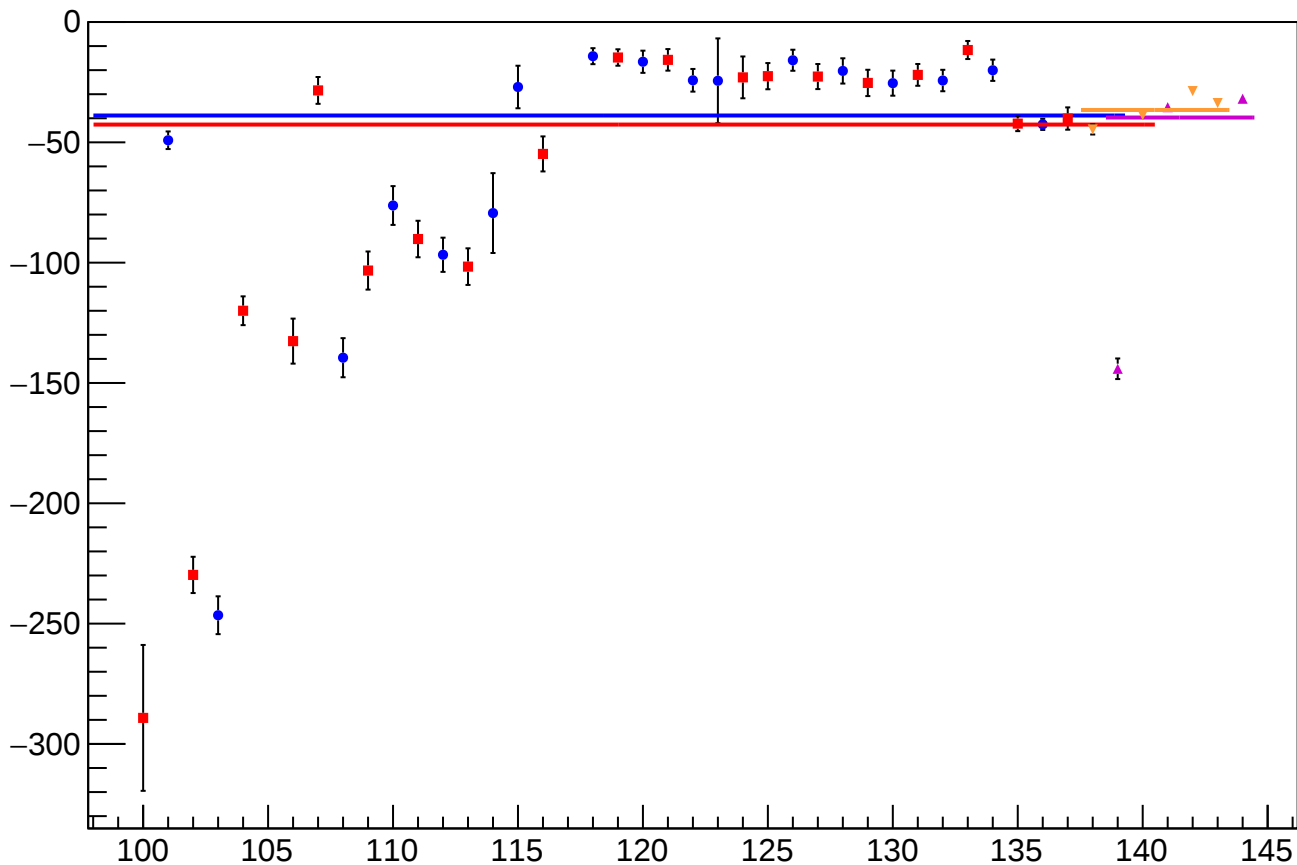
Left In: -43.099+/-1.248 χ^2/NDF : 40.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -50.773+/-0.852 χ^2/NDF : 130.6/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.852 ± 1.150 χ^2/NDF : 1121.7/16

Left Out: -36.552 ± 0.915 χ^2/NDF : 33.7/3

Right Out: -42.616 ± 1.212 χ^2/NDF : 1345.6/18

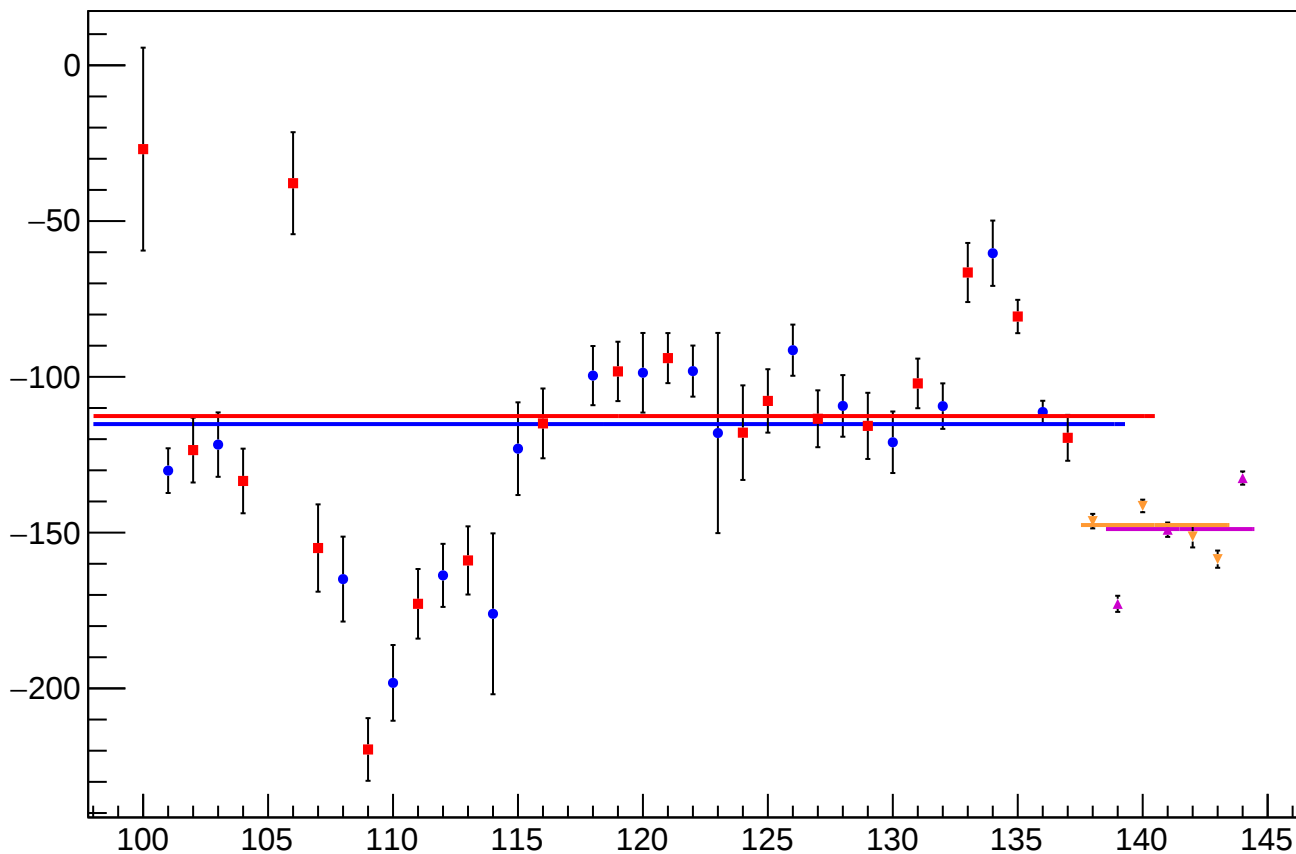
Left In: -39.695 ± 1.014 χ^2/NDF : 632.7/2

+ sign -37.444 ± 0.716 χ^2/NDF : 1157.9/20

All: -39.029 ± 0.527 χ^2/NDF : 3150.4/42

- sign -40.899 ± 0.778 χ^2/NDF : 1981.8/21

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.163 $\pm$ 2.084 χ^2 /NDF: 140.5/16

Left Out: -147.563 $\pm$ 1.248 χ^2 /NDF: 26.3/3

Right Out: -112.587 $\pm$ 2.213 χ^2 /NDF: 272.4/18

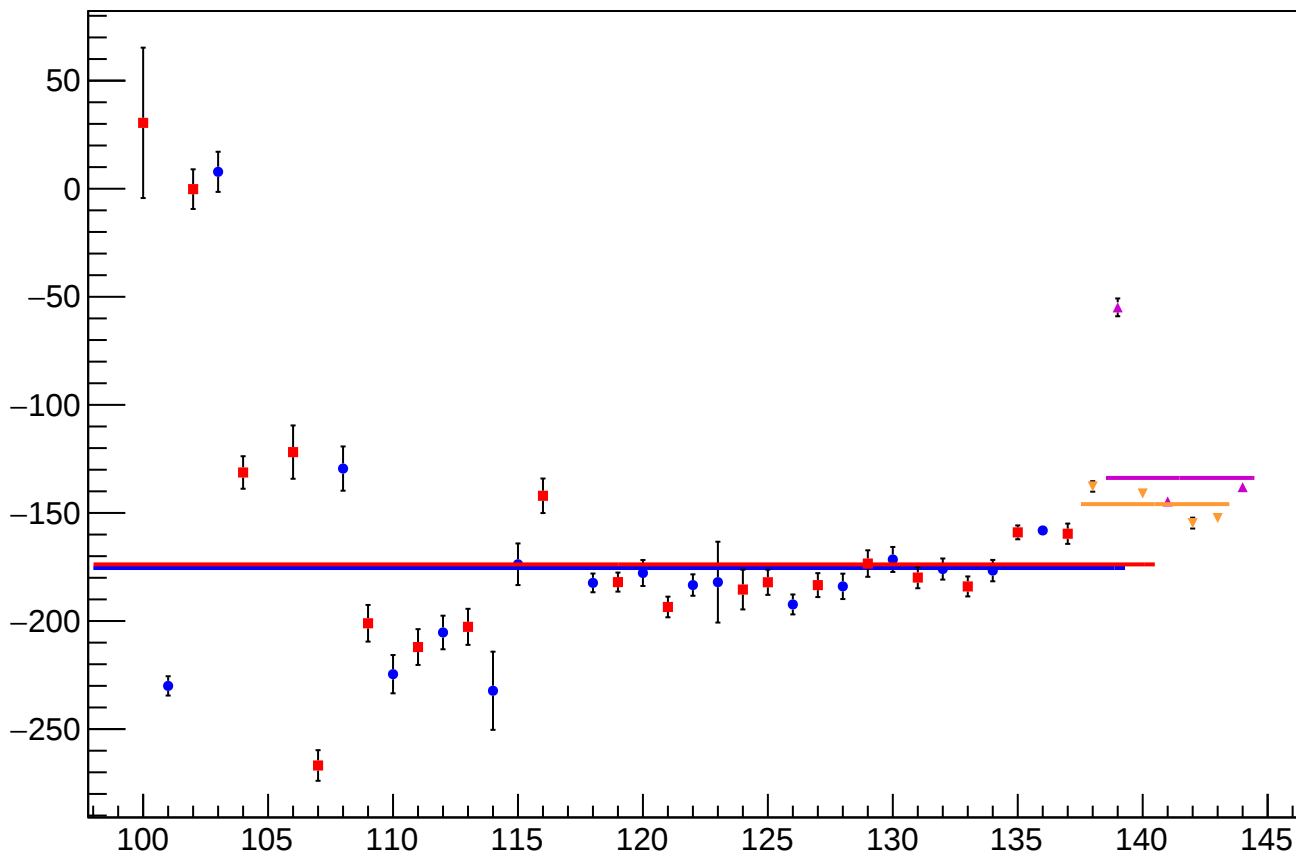
Left In: -148.857 $\pm$ 1.338 χ^2 /NDF: 145.5/2

+ sign -139.009 $\pm$ 1.071 χ^2 /NDF: 344.8/20

All: -139.074 $\pm$ 0.782 χ^2 /NDF: 959.3/42

- sign -139.148 $\pm$ 1.145 χ^2 /NDF: 614.5/21

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.476 ± 1.279 χ^2/NDF : 691.2/16

Left Out: -145.922 ± 1.095 χ^2/NDF : 39.7/3

Right Out: -173.809 ± 1.359 χ^2/NDF : 738.0/18

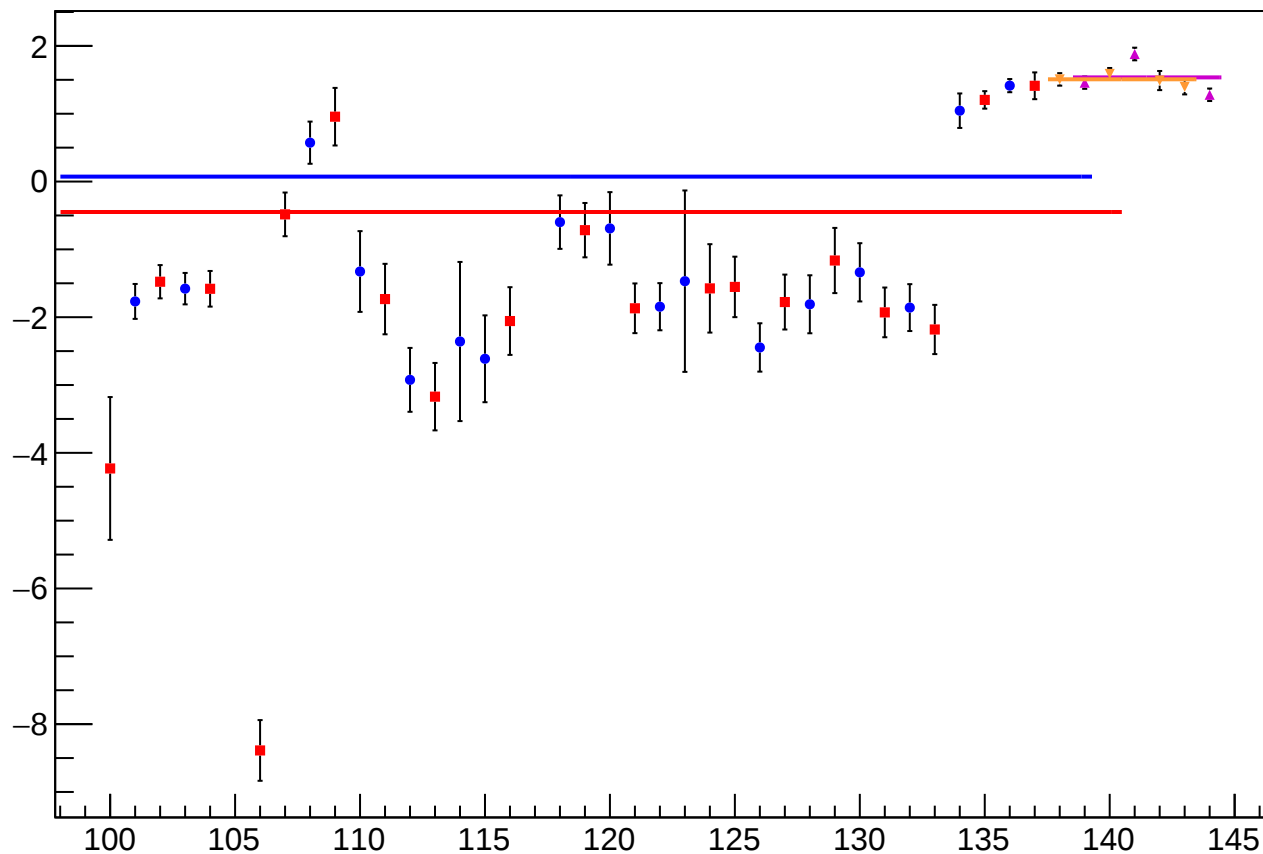
Left In: -133.796 ± 1.194 χ^2/NDF : 407.4/2

+ sign -158.430 ± 0.832 χ^2/NDF : 1038.9/20

All: -155.097 ± 0.610 χ^2/NDF : 2708.5/42

- sign -151.223 ± 0.897 χ^2/NDF : 1634.9/21

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.073 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.508 ± 0.051 χ^2/NDF : 1.8/3

Right Out: -0.449 ± 0.071 χ^2/NDF : 750.7/18

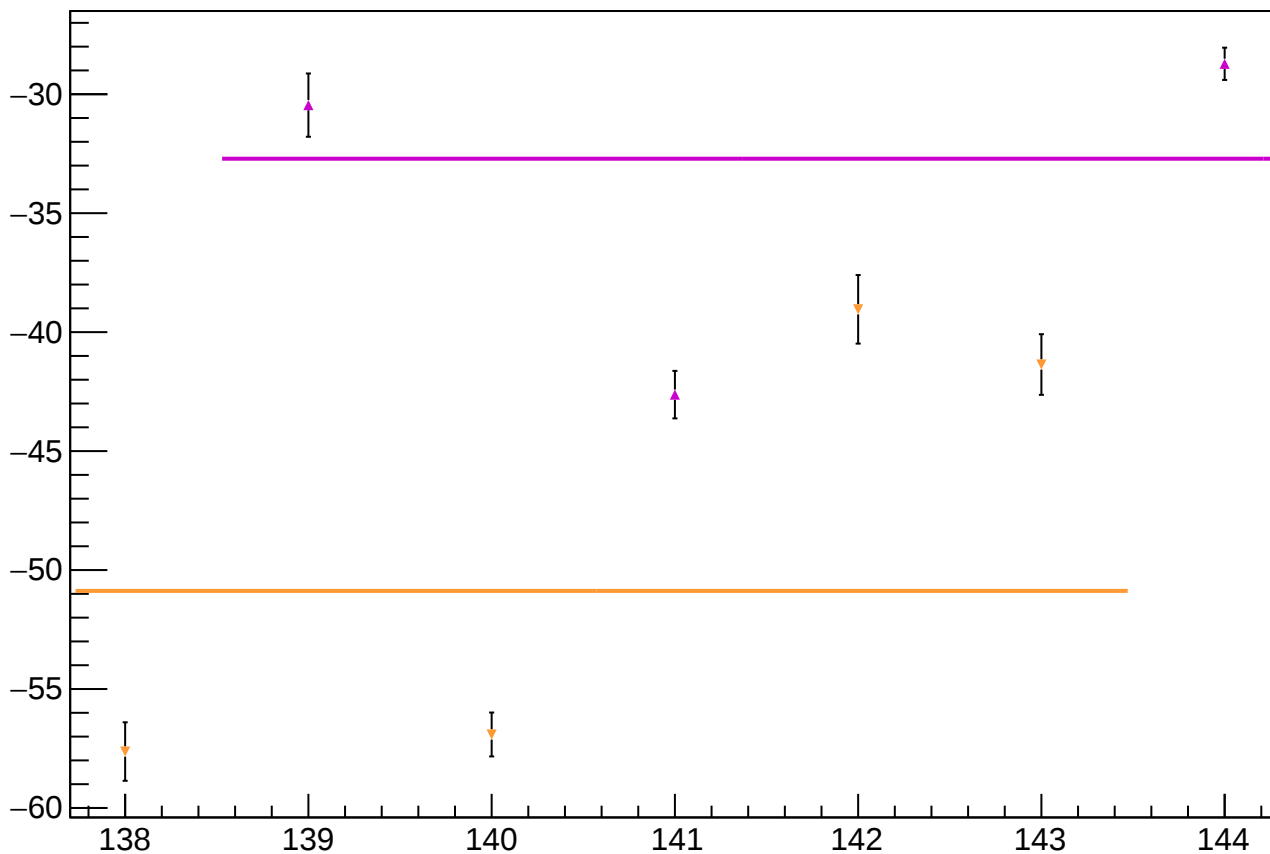
Left In: 1.536 ± 0.053 χ^2/NDF : 22.1/2

+ sign 0.978 ± 0.041 χ^2/NDF : 814.6/20

All: 0.906 ± 0.029 χ^2/NDF : 2090.9/42

- sign 0.828 ± 0.043 χ^2/NDF : 1269.9/21

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -50.876+/-0.584 χ^2/NDF : 196.1/3

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

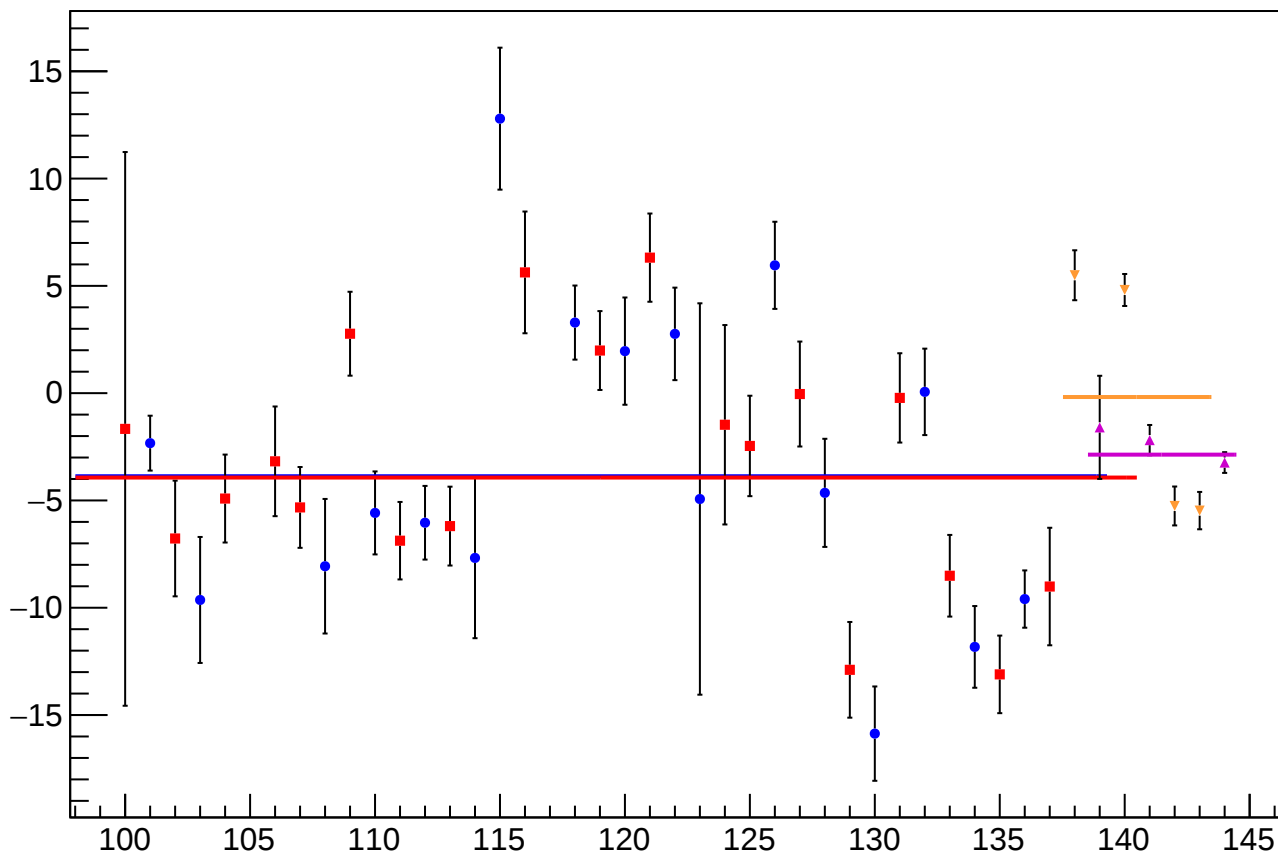
Left In: -32.711+/-0.517 χ^2/NDF : 136.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.691+/-0.387 χ^2/NDF : 875.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.872 ± 0.499 χ^2/NDF : 161.0/16

Left Out: -0.180 ± 0.444 χ^2/NDF : 136.9/3

Right Out: -3.933 ± 0.508 χ^2/NDF : 122.0/18

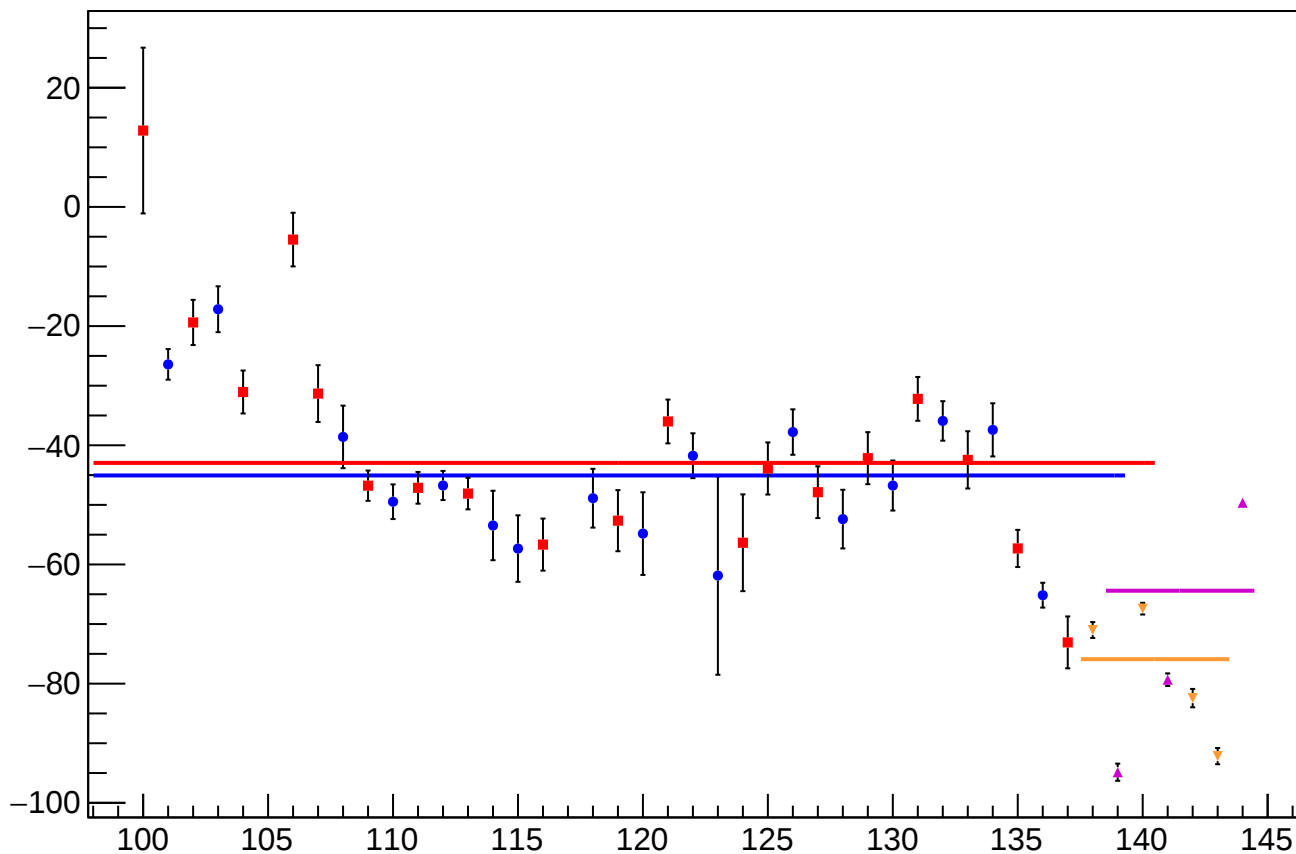
Left In: -2.866 ± 0.393 χ^2/NDF : 1.8/2

+ sign -1.810 ± 0.332 χ^2/NDF : 328.4/20

All: -2.585 ± 0.227 χ^2/NDF : 465.2/42

- sign -3.266 ± 0.311 χ^2/NDF : 126.6/21

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.063 ± 0.885 χ^2/NDF : 230.3/16

Left Out: -75.894 ± 0.625 χ^2/NDF : 249.1/3

Right Out: -42.956 ± 0.879 χ^2/NDF : 248.1/18

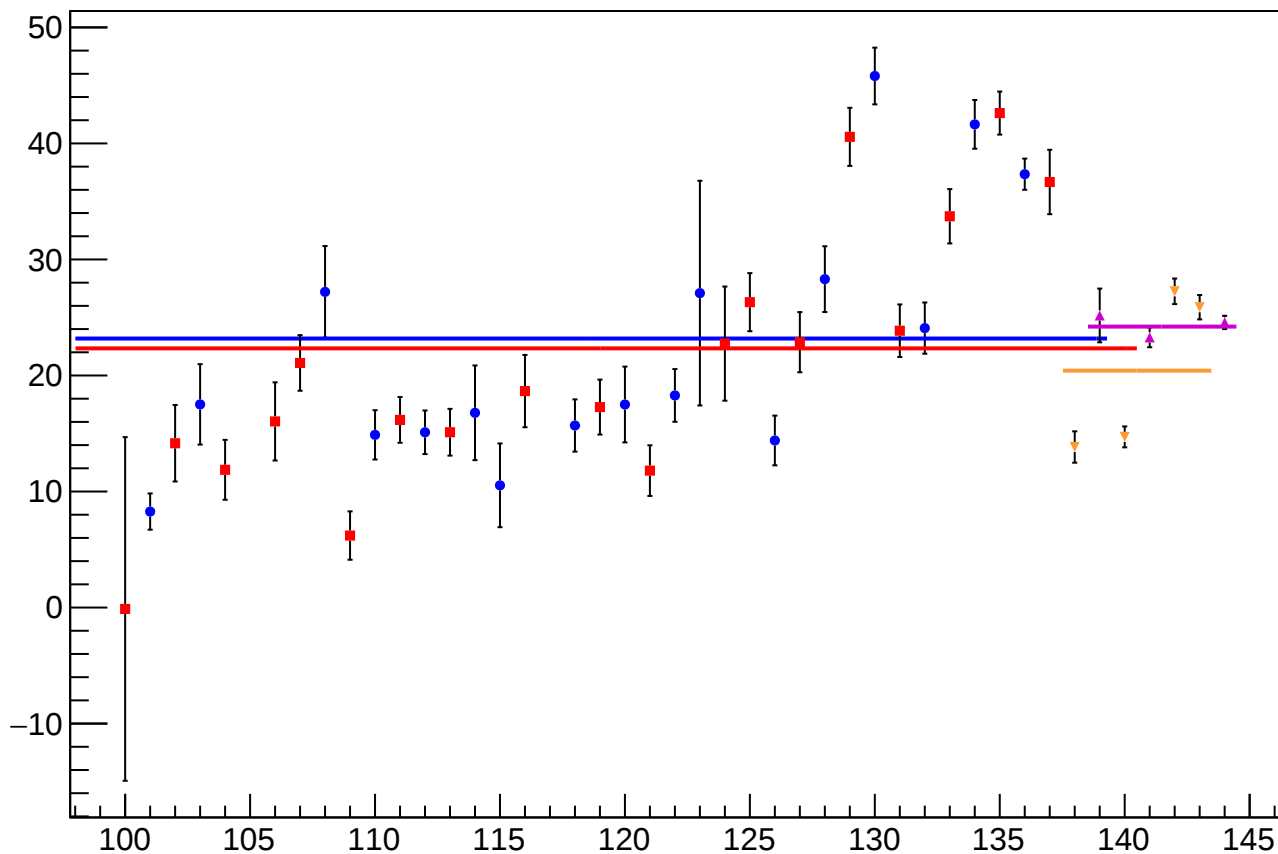
Left In: -64.405 ± 0.554 χ^2/NDF : 1058.5/2

+ sign -65.637 ± 0.510 χ^2/NDF : 1289.4/20

All: -61.663 ± 0.345 χ^2/NDF : 3133.8/42

- sign -58.316 ± 0.468 χ^2/NDF : 1732.8/21

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.185 $\pm$ 0.560 χ^2 /NDF: 456.9/16

Left Out: 20.416 $\pm$ 0.534 χ^2 /NDF:129.4/3

Right Out: 22.337 $\pm$ 0.574 χ^2 /NDF: 366.3/18

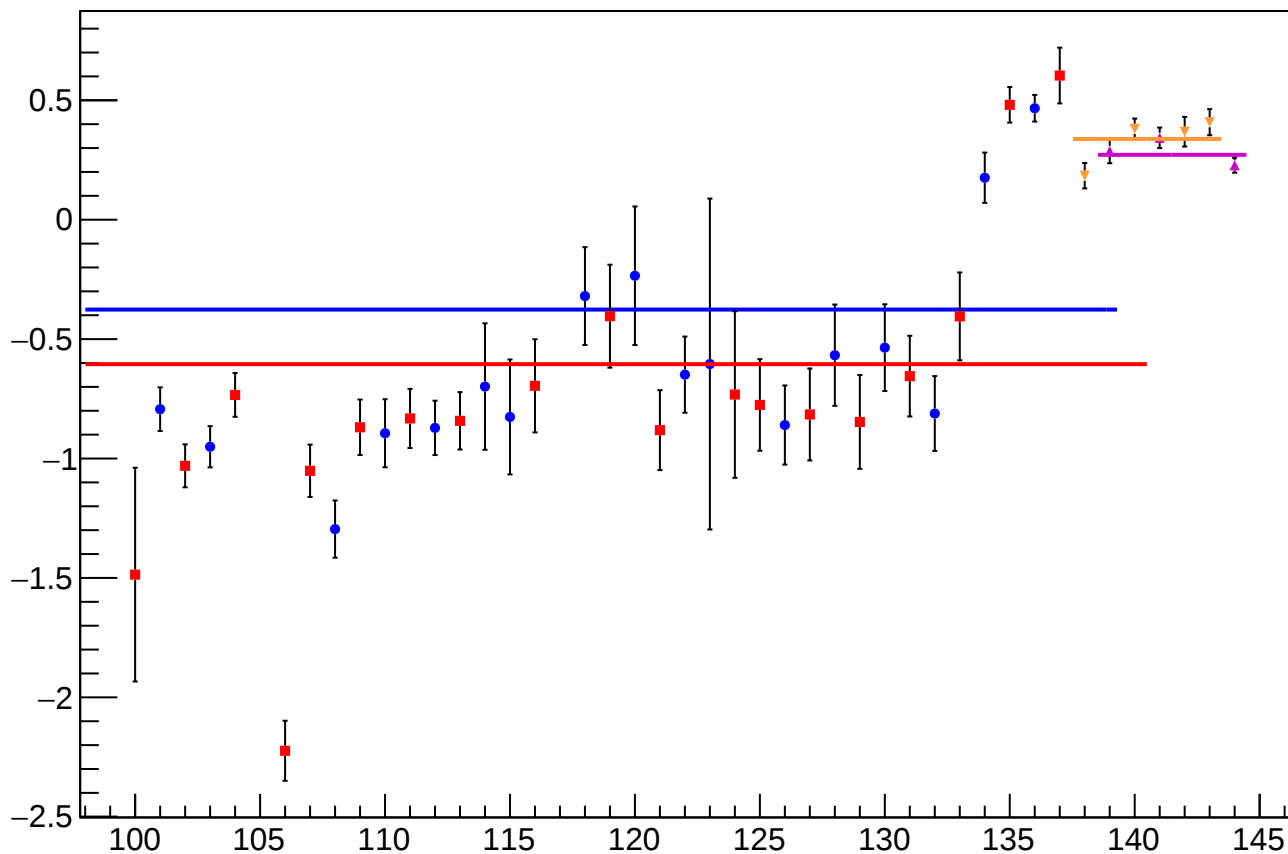
Left In: 24.213 $\pm$ 0.466 χ^2 /NDF:1.8/2

+ sign 21.735 $\pm$ 0.386 χ^2 /NDF: 599.2/20

All: 22.659 $\pm$ 0.264 χ^2 /NDF: 984.4/42

- sign 23.468 $\pm$ 0.362 χ^2 /NDF: 374.5/21

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 χ^2/NDF : 437.6/16

Left Out: 0.338 ± 0.026 χ^2/NDF : 11.3/3

Right Out: -0.605 ± 0.030 χ^2/NDF : 551.2/18

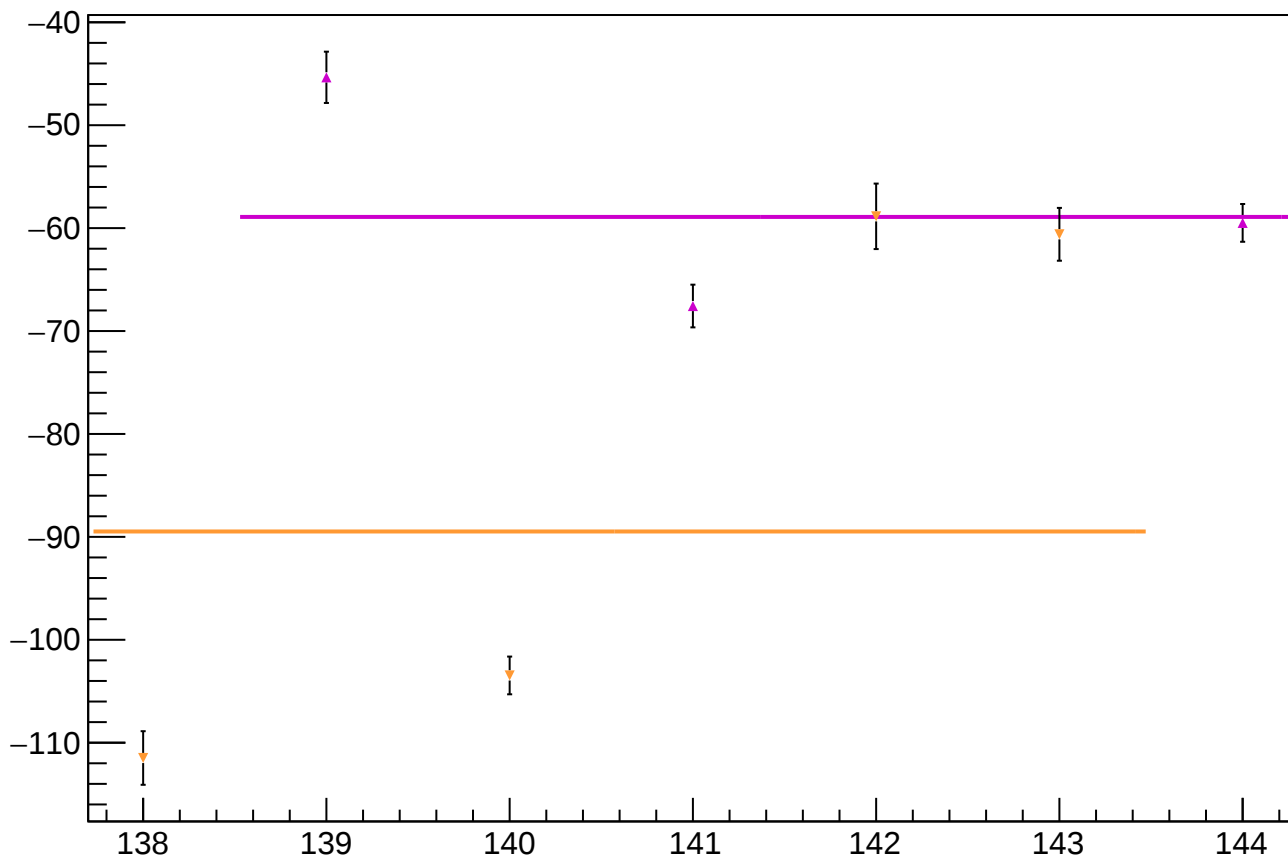
Left In: 0.272 ± 0.023 χ^2/NDF : 4.8/2

+ sign 0.035 ± 0.020 χ^2/NDF : 772.3/20

All: -0.007 ± 0.013 χ^2/NDF : 1875.1/42

- sign -0.043 ± 0.018 χ^2/NDF : 1094.2/21

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -89.476+/-1.199 χ^2/NDF : 348.9/3

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

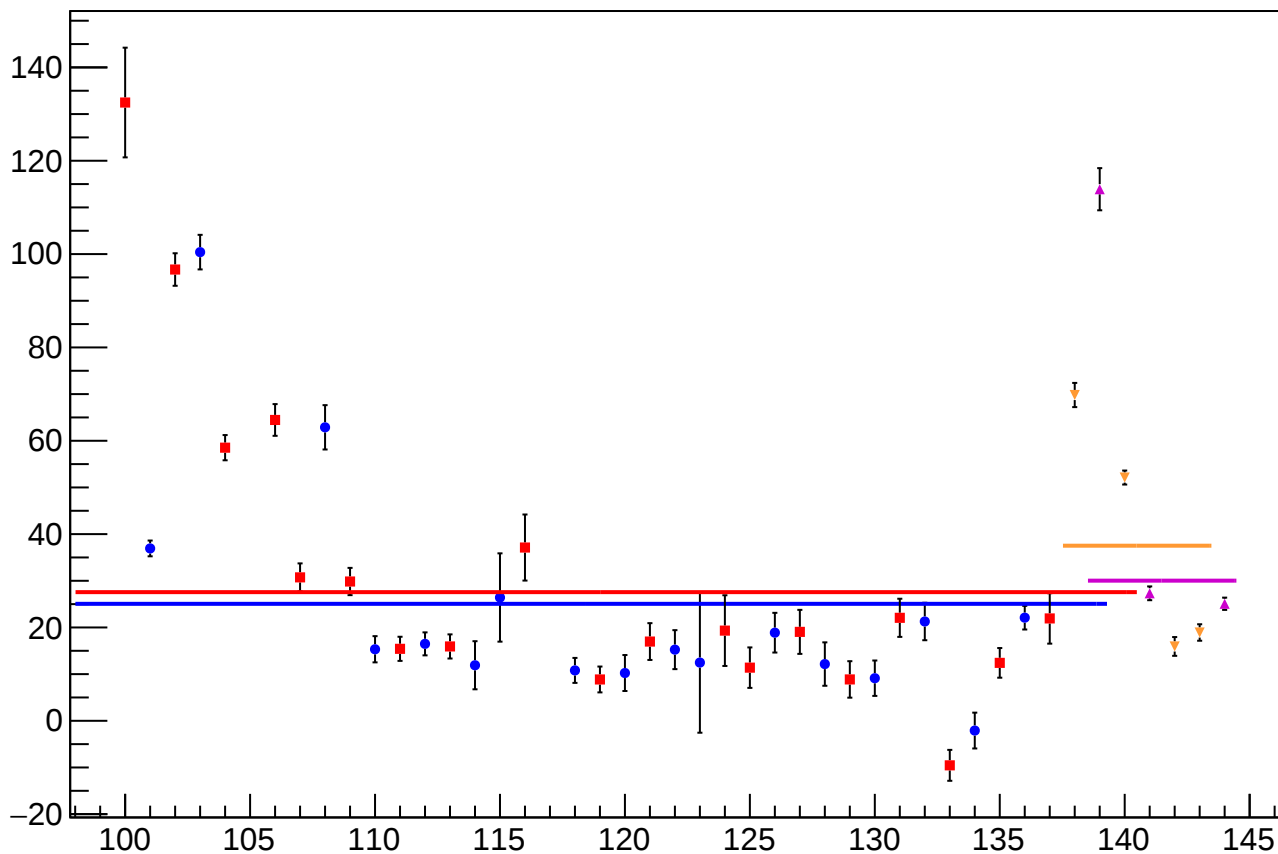
Left In: -58.912+/-1.204 χ^2/NDF : 47.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -74.255+/-0.849 χ^2/NDF : 719.8/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.063 $\pm$ 0.808 χ^2 /NDF: 686.5/16

Left Out: 37.519 $\pm$ 0.928 χ^2 /NDF: 476.0/3

Right Out: 27.568 $\pm$ 0.811 χ^2 /NDF: 1013.6/18

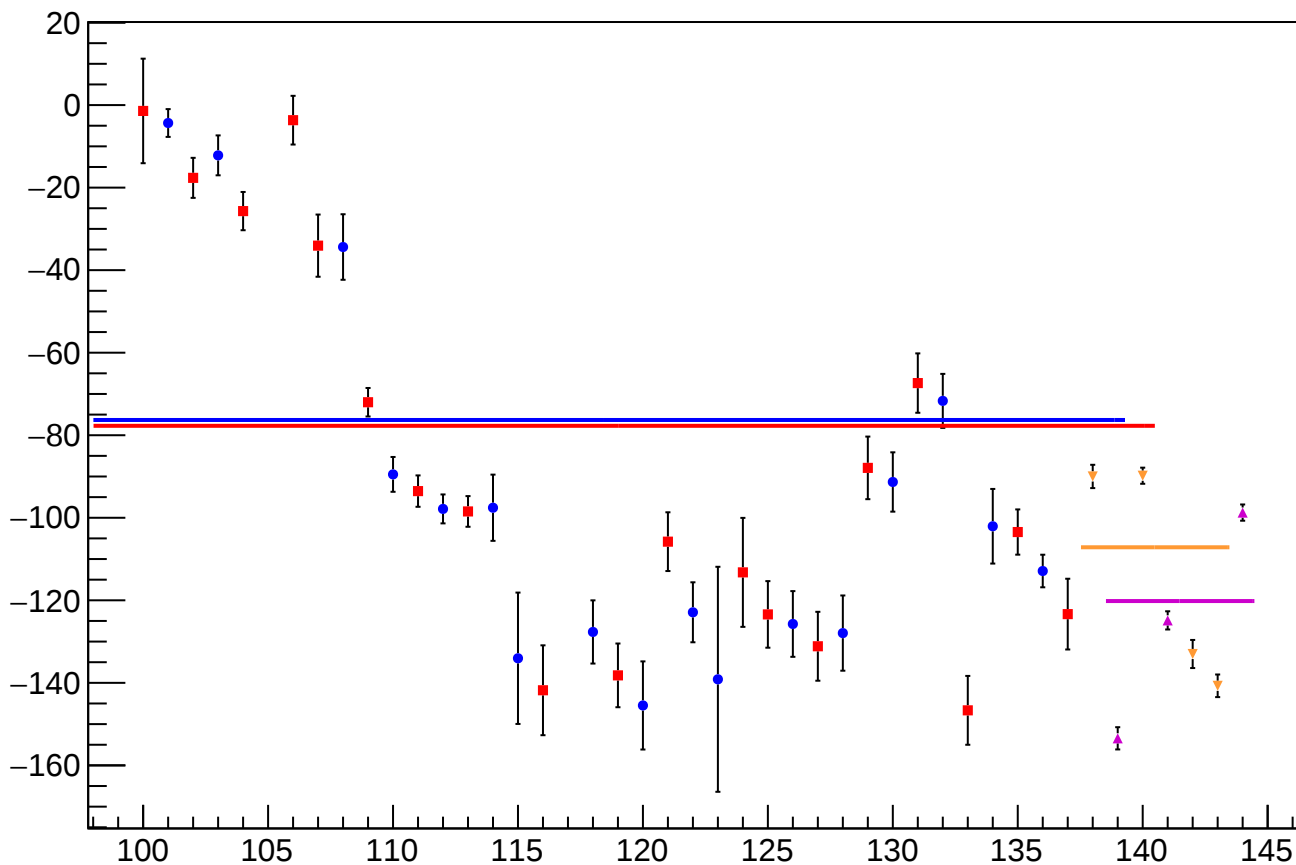
Left In: 30.029 $\pm$ 0.959 χ^2 /NDF: 362.4/2

+ sign 30.431 $\pm$ 0.609 χ^2 /NDF: 1265.1/20

All: 29.527 $\pm$ 0.434 χ^2 /NDF: 2649.3/42

- sign 28.593 $\pm$ 0.619 χ^2 /NDF: 1379.8/21

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.304 +/- 1.419 χ^2/NDF : 1030.8/16

Left Out: -107.152 +/- 1.283 χ^2/NDF : 323.7/3

Right Out: -77.715 +/- 1.354 χ^2/NDF : 872.3/18

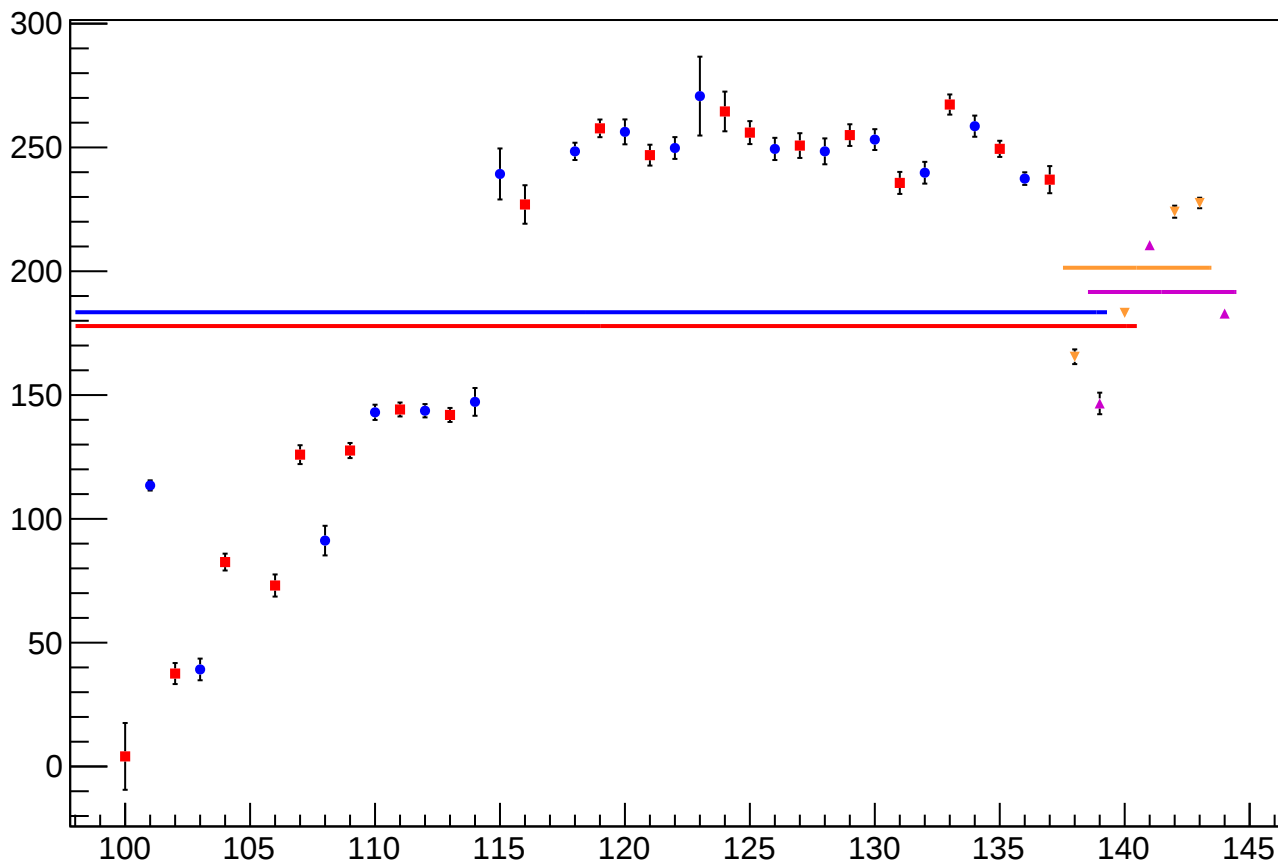
Left In: -120.180 +/- 1.289 χ^2/NDF : 275.6/2

+ sign -93.273 +/- 0.952 χ^2/NDF : 1614.6/20

All: -96.695 +/- 0.666 χ^2/NDF : 3303.7/42

- sign -99.989 +/- 0.934 χ^2/NDF : 1663.7/21

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.448 $\pm$ 0.920 χ^2 /NDF: 5318.3/16

Left Out: 201.416 $\pm$ 1.112 χ^2 /NDF: 485.9/3

Right Out: 177.868 $\pm$ 0.925 χ^2 /NDF: 6336.5/18

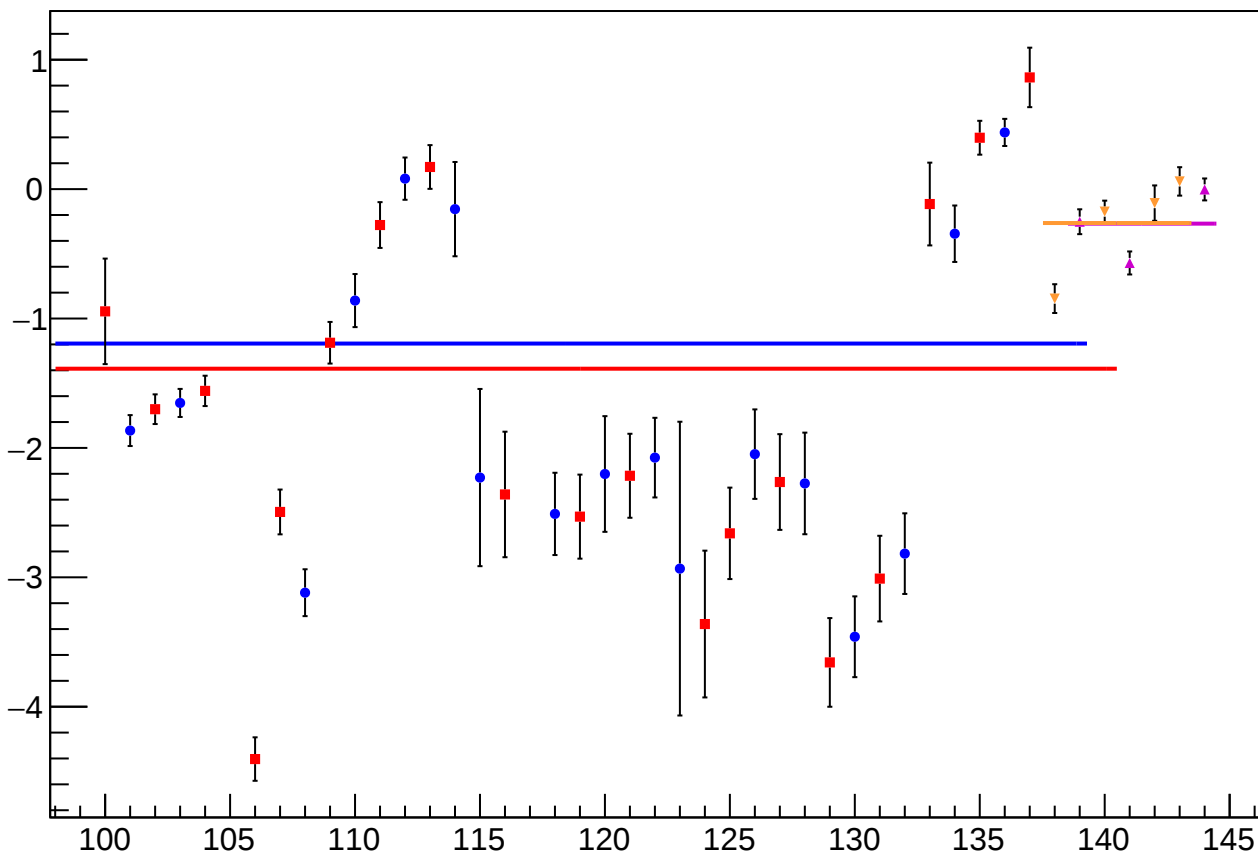
Left In: 191.621 $\pm$ 1.130 χ^2 /NDF: 251.5/2

+ sign 190.755 $\pm$ 0.709 χ^2 /NDF: 5959.2/20

All: 187.107 $\pm$ 0.504 χ^2 /NDF: 12689.4/42

- sign 183.387 $\pm$ 0.716 χ^2 /NDF: 6676.7/21

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 620.4/16

Left Out: -0.262 ± 0.053 χ^2/NDF : 38.5/3

Right Out: -1.388 ± 0.046 χ^2/NDF : 919.4/18

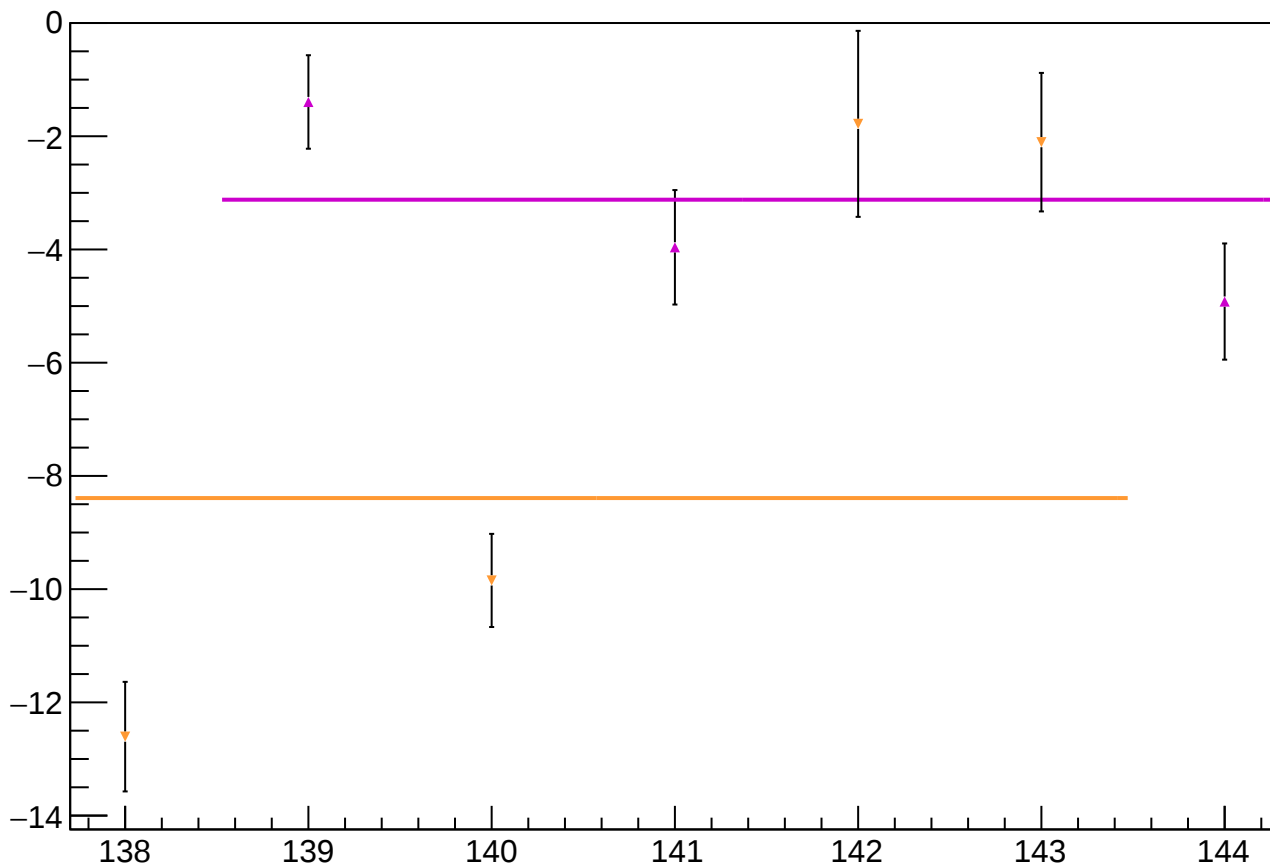
Left In: -0.267 ± 0.052 χ^2/NDF : 21.4/2

+ sign -0.771 ± 0.036 χ^2/NDF : 828.1/20

All: -0.835 ± 0.025 χ^2/NDF : 2038.2/42

- sign -0.894 ± 0.034 χ^2/NDF : 1204.0/21

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -8.391 $\pm$ 0.528 χ^2 /NDF: 64.7/3

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

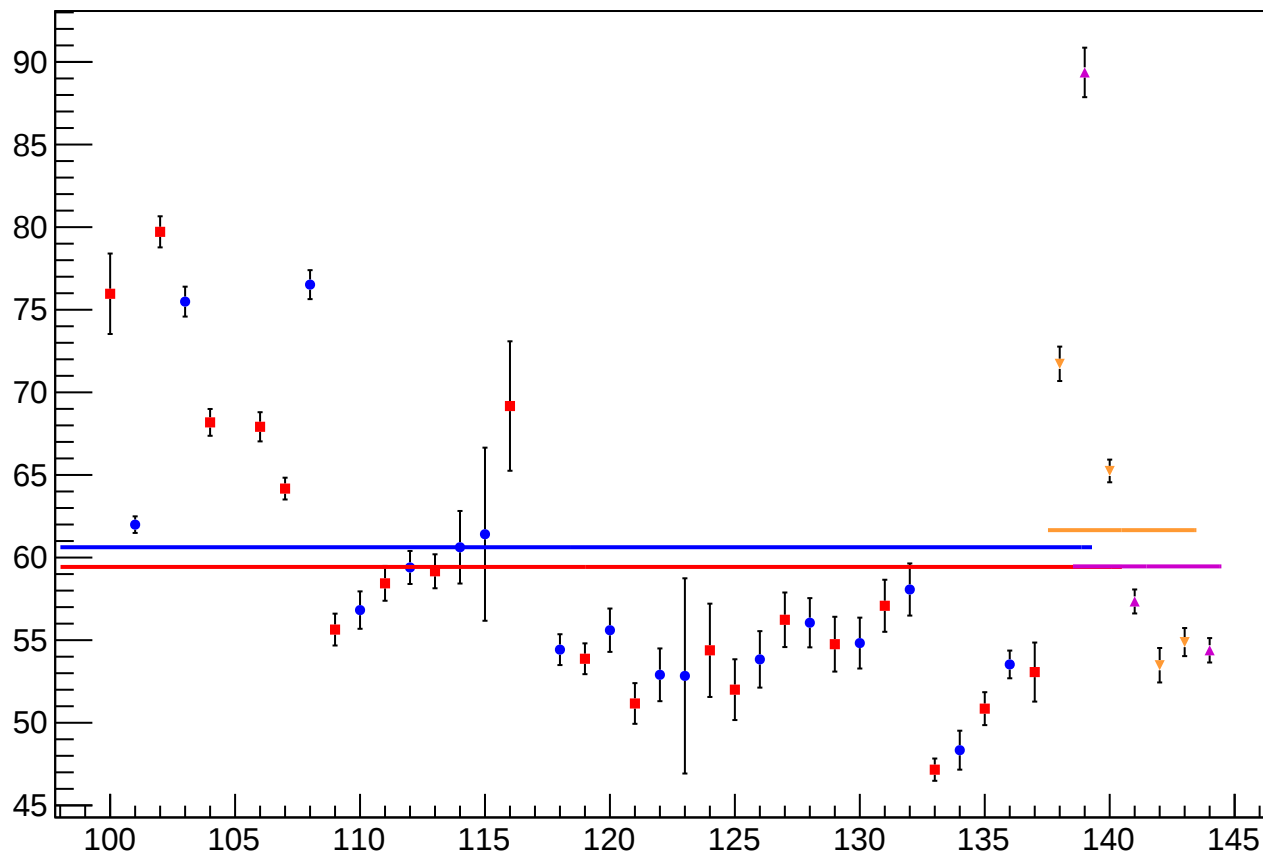
Left In: -3.121 $\pm$ 0.543 χ^2 /NDF: 8.1/2

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

All: -5.828 $\pm$ 0.379 χ^2 /NDF: 121.2/6

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

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.626 $\pm$ 0.263 χ^2 /NDF: 924.5/16

Left Out: 61.659 $\pm$ 0.432 χ^2 /NDF: 245.7/3

Right Out: 59.433 $\pm$ 0.248 χ^2 /NDF: 1325.2/18

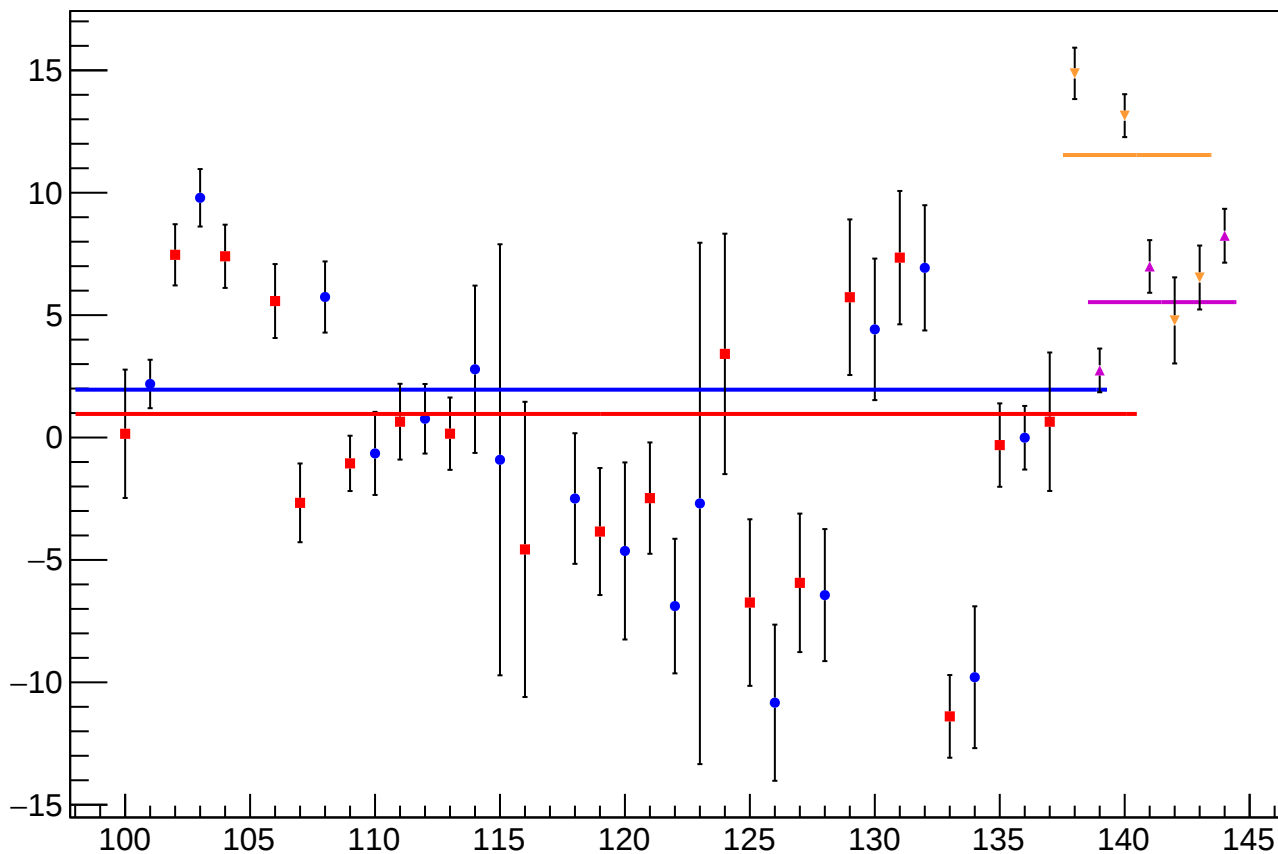
Left In: 59.465 $\pm$ 0.490 χ^2 /NDF: 454.0/2

+ sign 60.905 $\pm$ 0.225 χ^2 /NDF: 1174.4/20

All: 60.160 $\pm$ 0.158 χ^2 /NDF: 2975.2/42

- sign 59.439 $\pm$ 0.221 χ^2 /NDF: 1779.2/21

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.955 ± 0.459 χ^2/NDF : 120.2/16

Left Out: 11.540 ± 0.566 χ^2/NDF : 42.9/3

Right Out: 0.964 ± 0.425 χ^2/NDF : 149.6/18

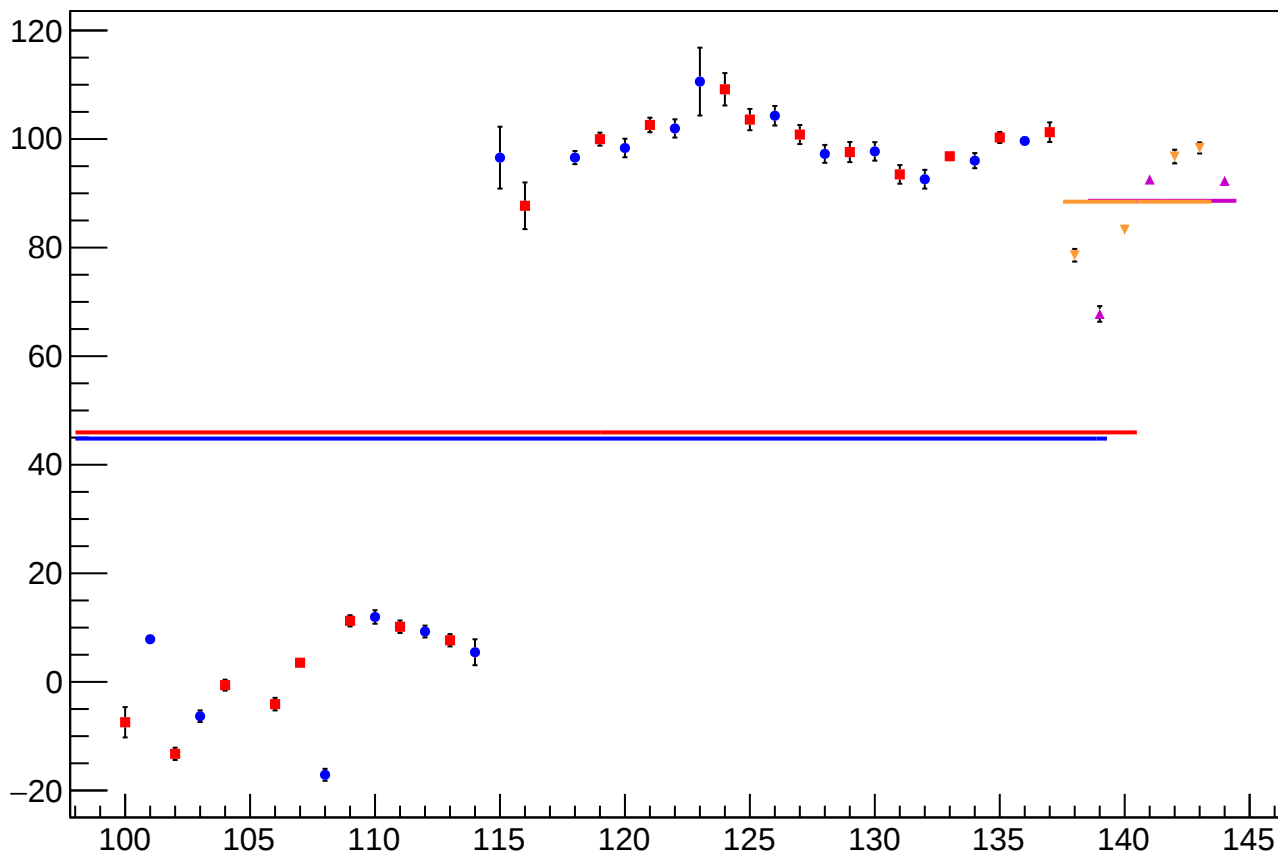
Left In: 5.531 ± 0.583 χ^2/NDF : 17.7/2

+ sign 5.759 ± 0.357 χ^2/NDF : 335.9/20

All: 4.091 ± 0.247 χ^2/NDF : 585.5/42

- sign 2.549 ± 0.343 χ^2/NDF : 207.5/21

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.818 $\pm$ 0.305 χ^2 /NDF: 24700.1/16

Left Out: 88.460 $\pm$ 0.513 χ^2 /NDF:248.8/3

Right Out: 45.958 $\pm$ 0.290 χ^2 /NDF: 28216.1/18

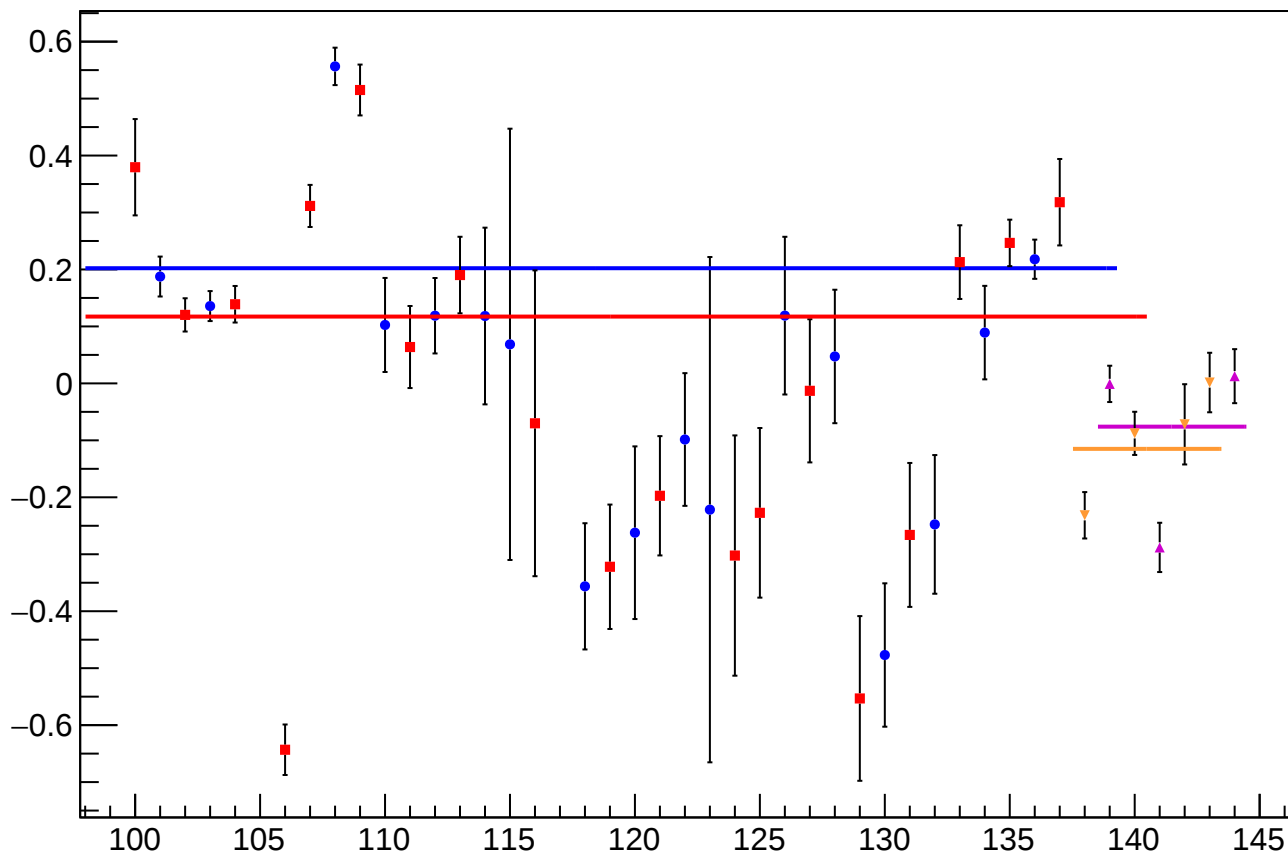
Left In: 88.619 $\pm$ 0.567 χ^2 /NDF:246.4/2

+ sign 56.212 $\pm$ 0.262 χ^2 /NDF: 30294.3/20

All: 55.494 $\pm$ 0.184 χ^2 /NDF: 63265.0/42

- sign 54.799 $\pm$ 0.258 χ^2 /NDF: 32955.9/21

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 215.7/16

Left Out: -0.115 ± 0.023 χ^2/NDF : 14.1/3

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.1/18

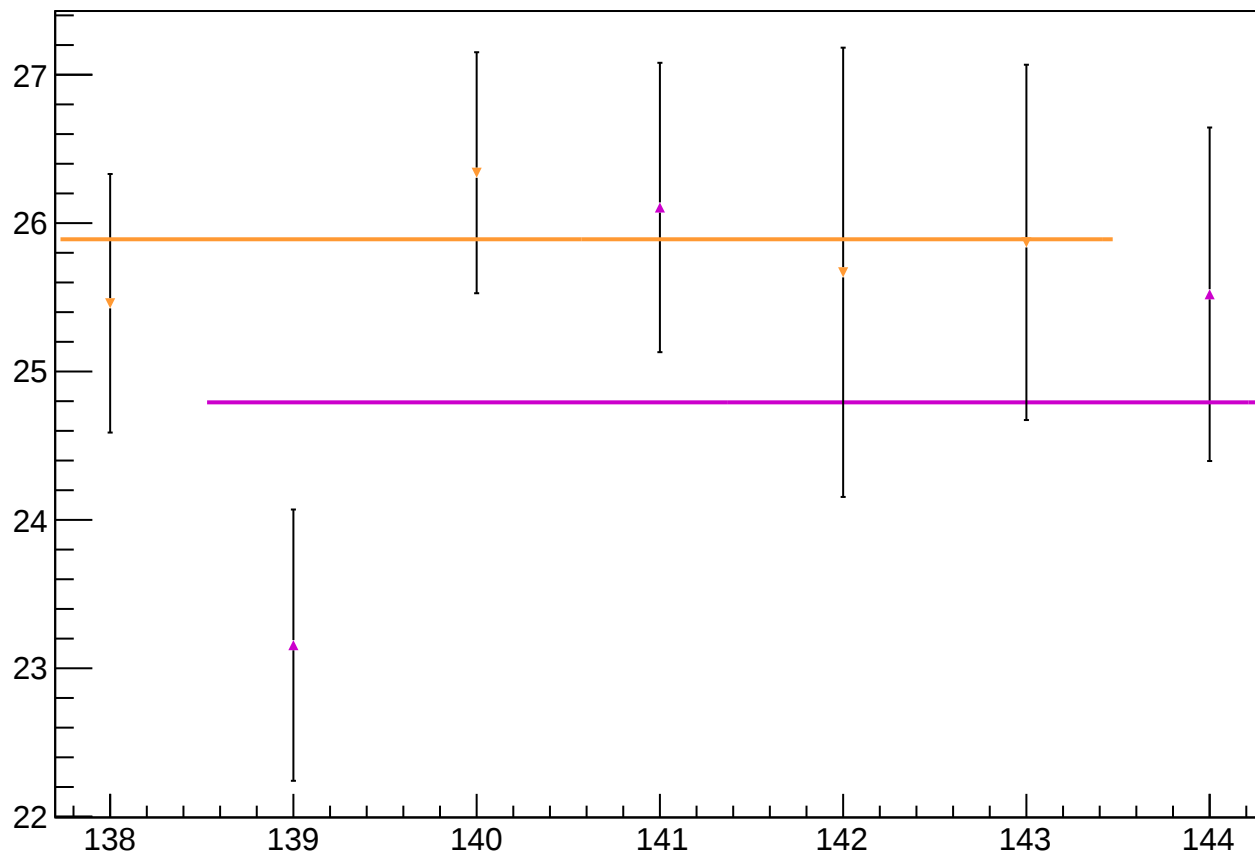
Left In: -0.076 ± 0.023 χ^2/NDF : 33.1/2

+ sign 0.117 ± 0.012 χ^2/NDF : 366.9/20

All: 0.091 ± 0.008 χ^2/NDF : 962.5/42

- sign 0.069 ± 0.011 χ^2/NDF : 587.2/21

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 25.891+/-0.502 χ^2/NDF : 0.6/3

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

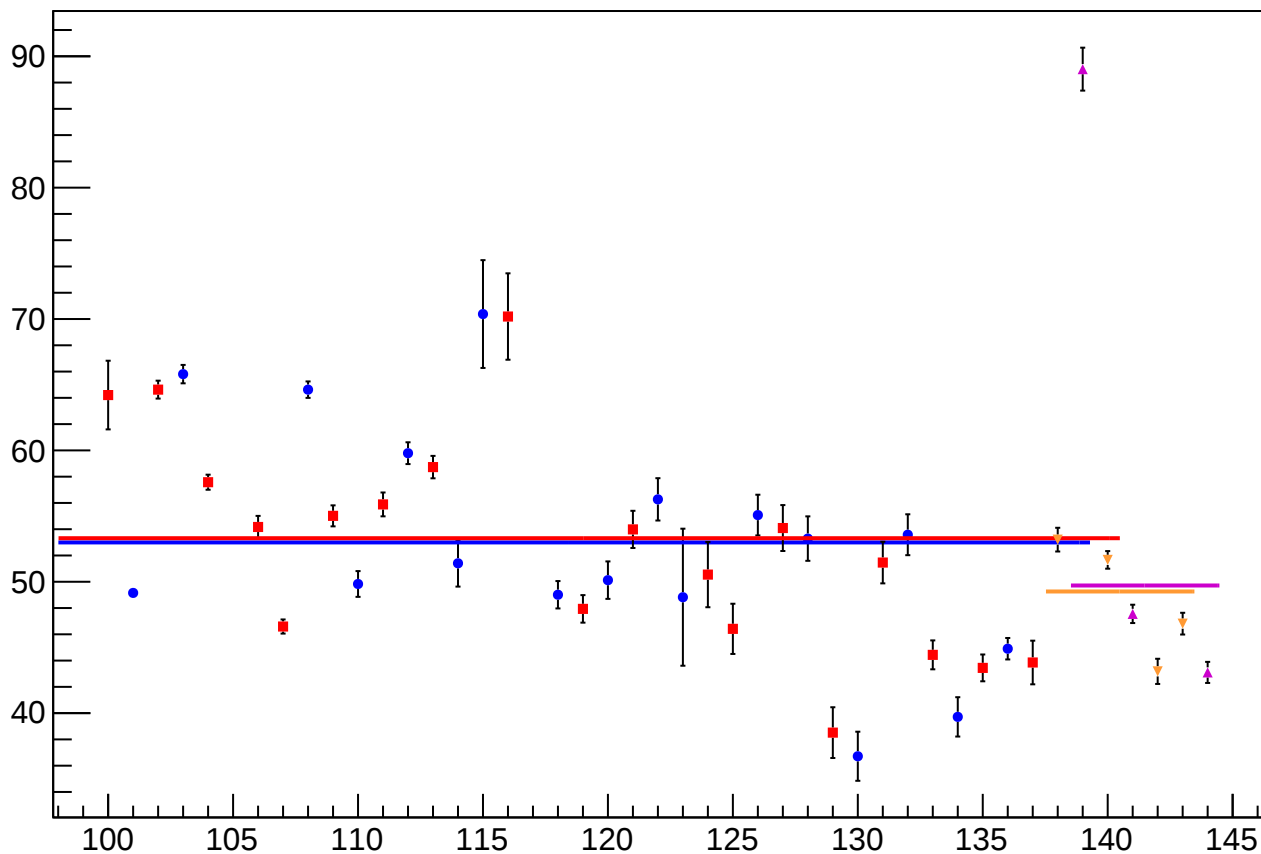
Left In: 24.792+/-0.573 χ^2/NDF : 5.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 25.414+/-0.378 χ^2/NDF : 8.1/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.994 $\pm$ 0.211 χ^2 /NDF: 1197.9/16

Left Out: 49.260 $\pm$ 0.408 χ^2 /NDF:81.0/3

Right Out: 53.316 $\pm$ 0.227 χ^2 /NDF: 876.7/18

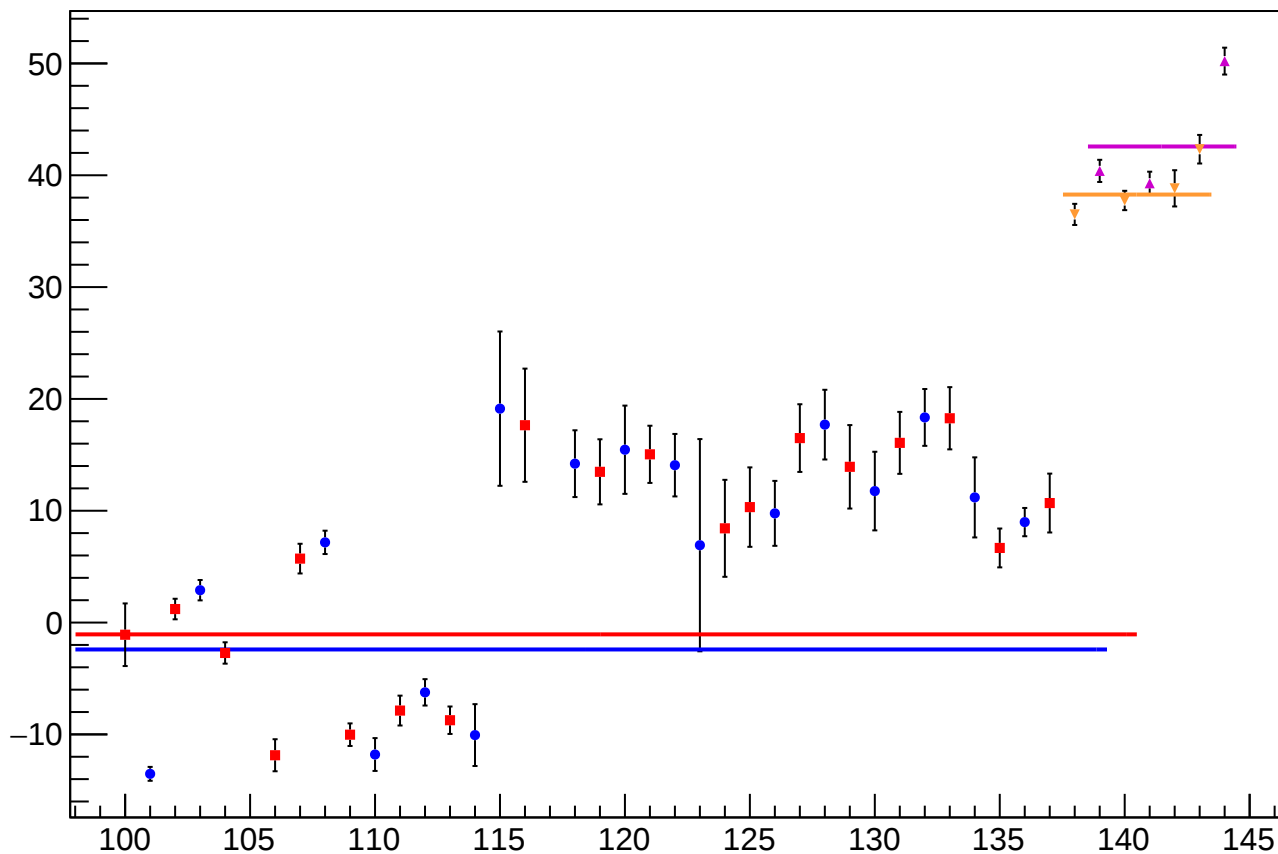
Left In: 49.716 $\pm$ 0.501 χ^2 /NDF:655.7/2

+ sign 52.206 $\pm$ 0.187 χ^2 /NDF: 1344.9/20

All: 52.431 $\pm$ 0.139 χ^2 /NDF: 2923.3/42

- sign 52.704 $\pm$ 0.207 χ^2 /NDF: 1575.2/21

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.405 ± 0.365 χ^2/NDF : 832.0/16

Left Out: 38.275 ± 0.538 χ^2/NDF : 14.1/3

Right Out: -1.056 ± 0.377 χ^2/NDF : 505.5/18

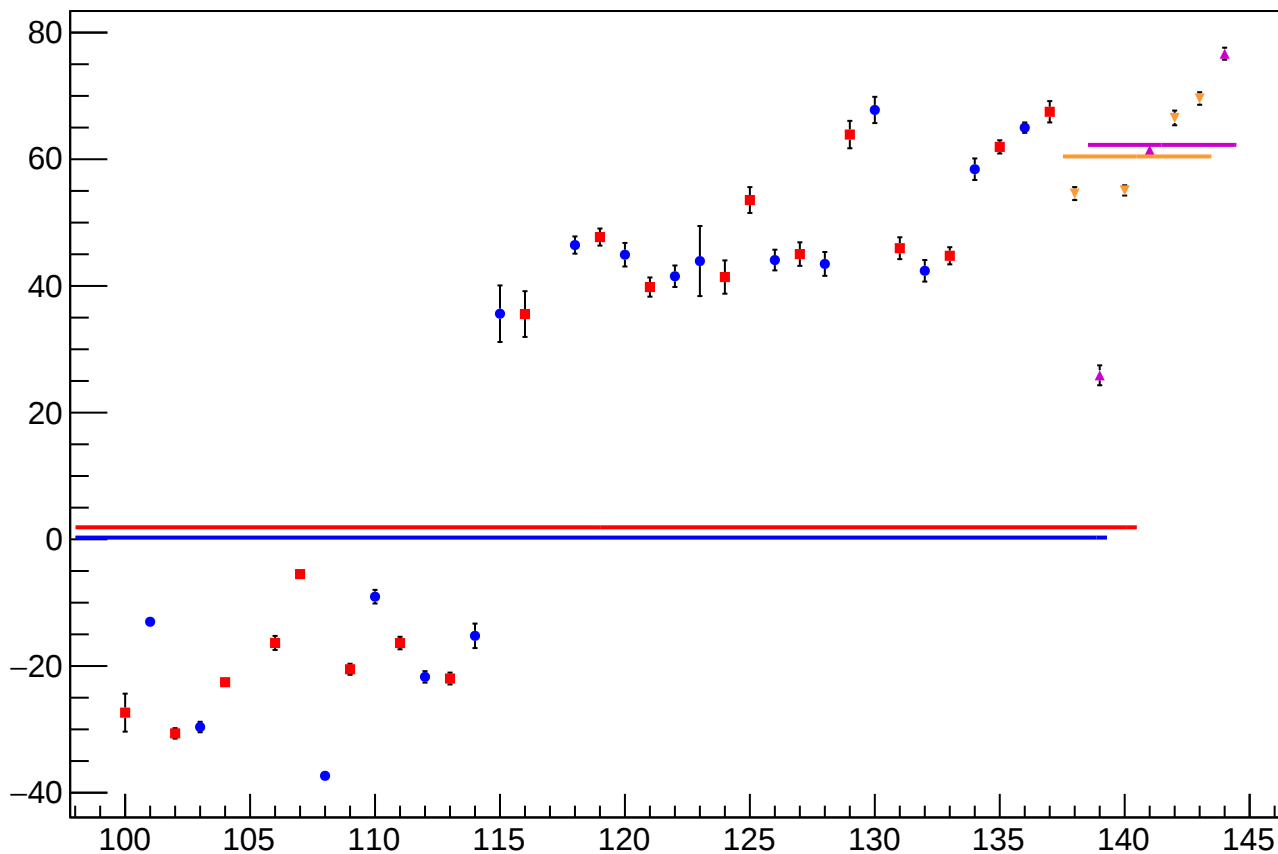
Left In: 42.573 ± 0.615 χ^2/NDF : 55.3/2

+ sign 10.387 ± 0.302 χ^2/NDF : 4759.9/20

All: 10.610 ± 0.220 χ^2/NDF : 8975.9/42

- sign 10.862 ± 0.322 χ^2/NDF : 4214.9/21

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.275 ± 0.248 χ^2/NDF : 18220.1/16

Left Out: 60.445 ± 0.485 χ^2/NDF : 189.3/3

Right Out: 1.897 ± 0.267 χ^2/NDF : 15412.8/18

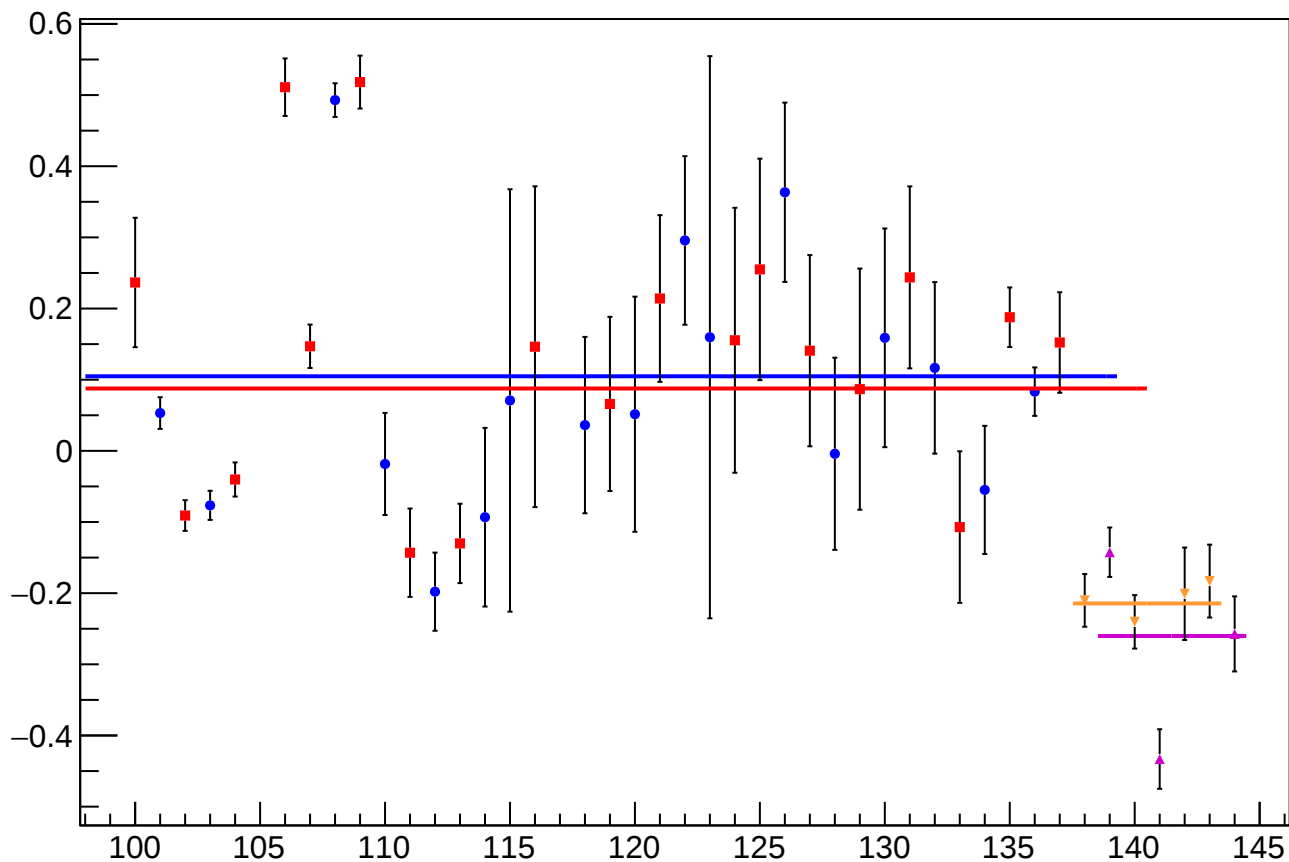
Left In: 62.267 ± 0.584 χ^2/NDF : 764.9/2

+ sign 12.702 ± 0.221 χ^2/NDF : 30601.9/20

All: 12.529 ± 0.163 χ^2/NDF : 55621.9/42

- sign 12.320 ± 0.243 χ^2/NDF : 25018.7/21

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.214 ± 0.022 χ^2/NDF : 0.9/3

Right Out: 0.088 ± 0.011 χ^2/NDF : 390.7/18

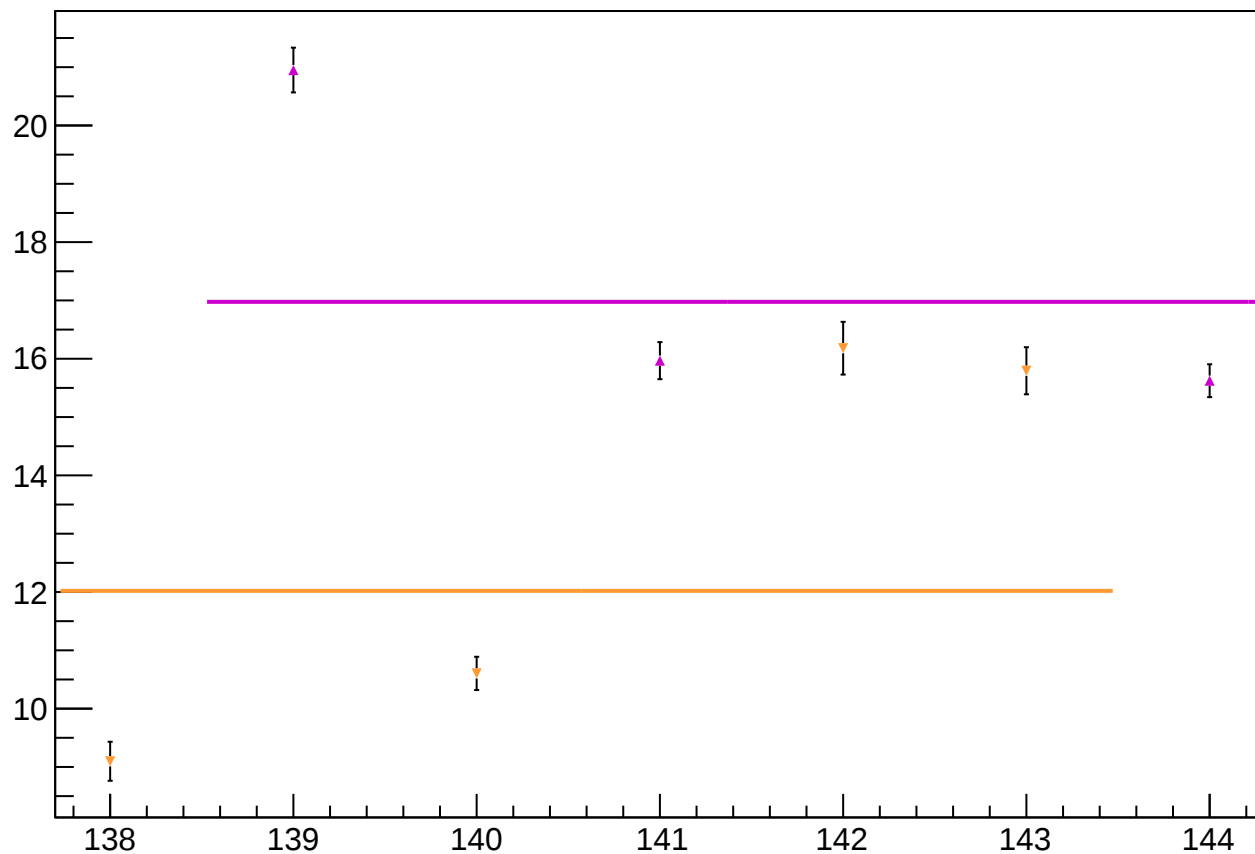
Left In: -0.260 ± 0.024 χ^2/NDF : 28.6/2

+ sign 0.041 ± 0.010 χ^2/NDF : 569.3/20

All: 0.034 ± 0.007 χ^2/NDF : 1165.1/42

- sign 0.026 ± 0.010 χ^2/NDF : 594.8/21

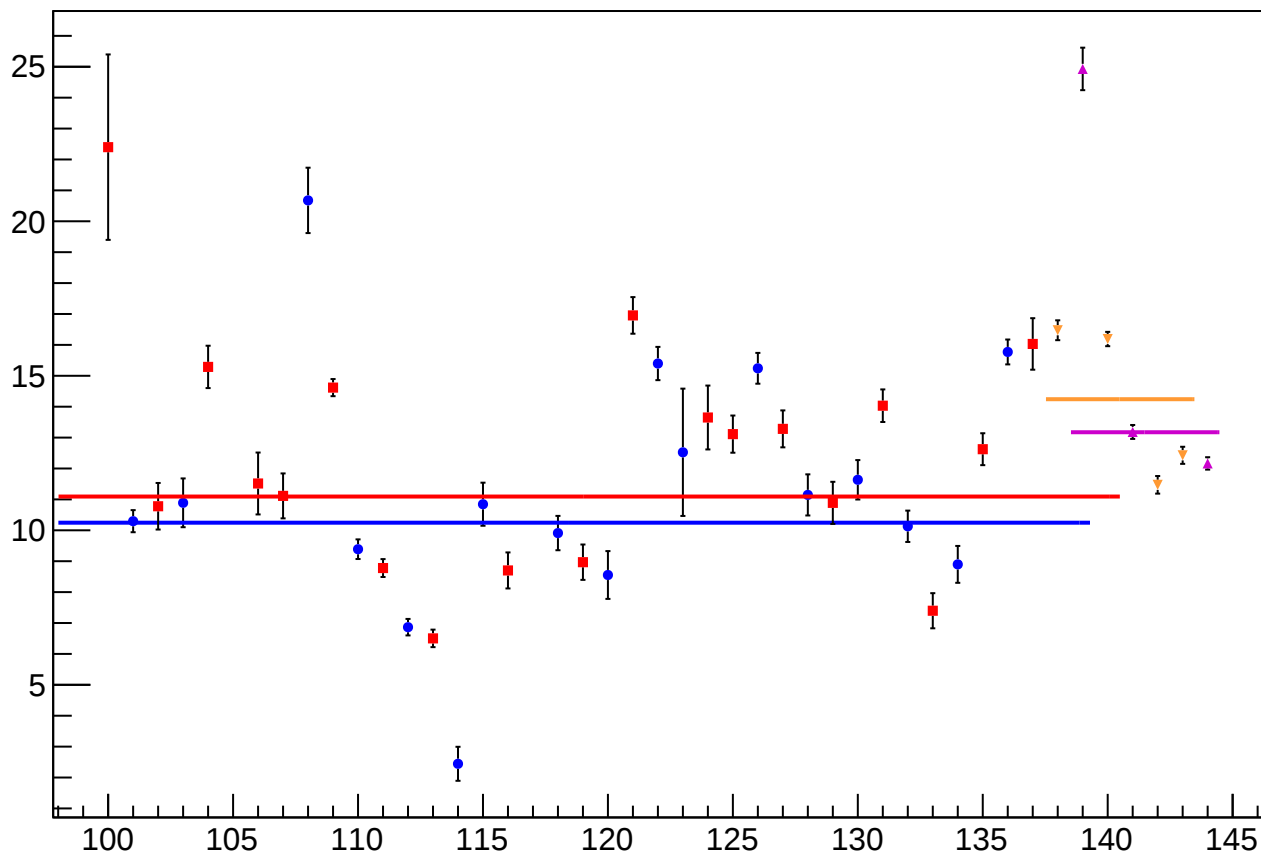
reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 12.020+/-0.176 χ^2/NDF : 272.8/3
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 16.976+/-0.185 χ^2/NDF : 140.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: 14.379+/-0.127 χ^2/NDF : 790.2/6
- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.246 ± 0.120 χ^2/NDF : 866.1/16

Left Out: 14.242 ± 0.136 χ^2/NDF : 256.7/3

Right Out: 11.093 ± 0.117 χ^2/NDF : 816.7/18

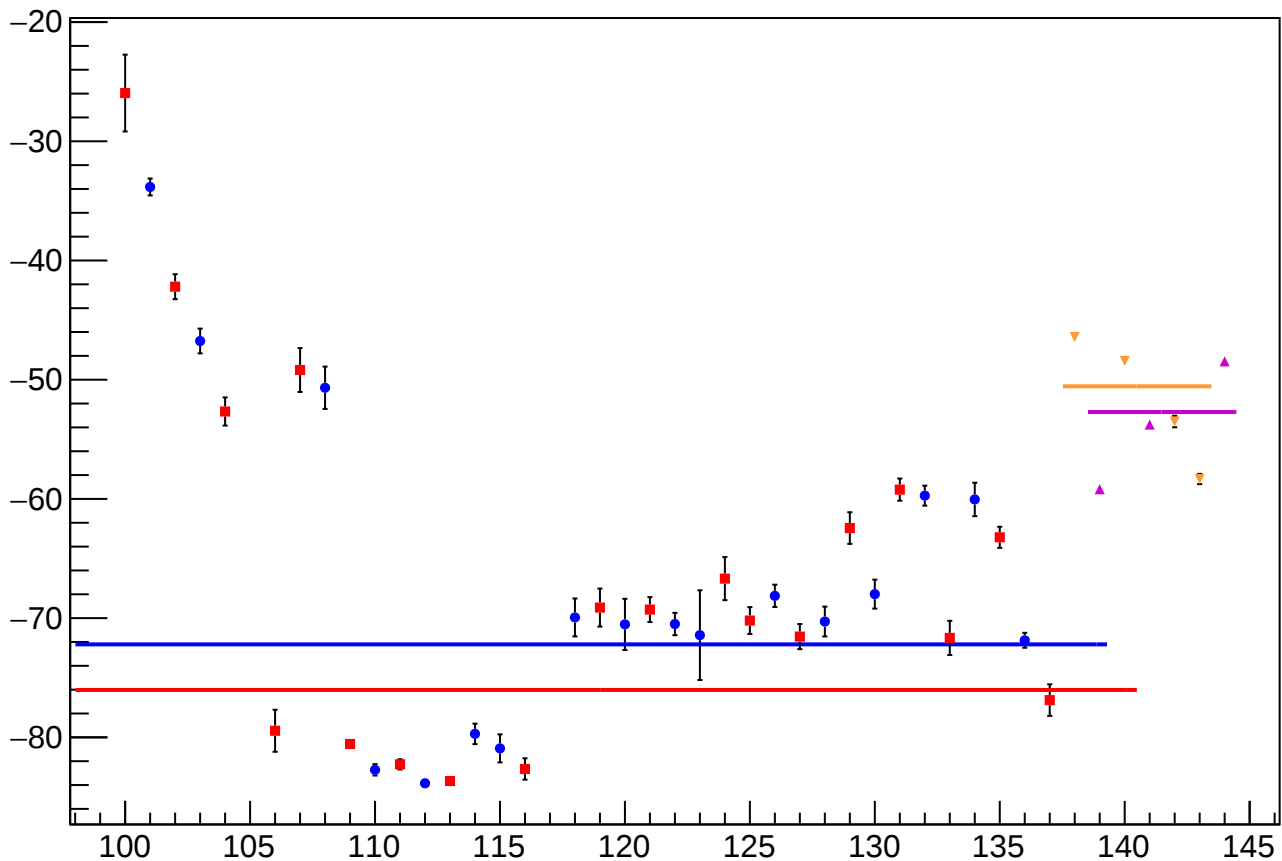
Left In: 13.173 ± 0.146 χ^2/NDF : 317.7/2

+ sign 11.984 ± 0.090 χ^2/NDF : 1607.8/20

All: 11.942 ± 0.064 χ^2/NDF : 2866.2/42

- sign 11.899 ± 0.091 χ^2/NDF : 1258.0/21

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.200±/0.198 χ^2/NDF : 5562.7/16

Left Out: -50.551±/0.189 χ^2/NDF : 542.0/3

Right Out: -76.024±/0.181 χ^2/NDF : 3459.2/18

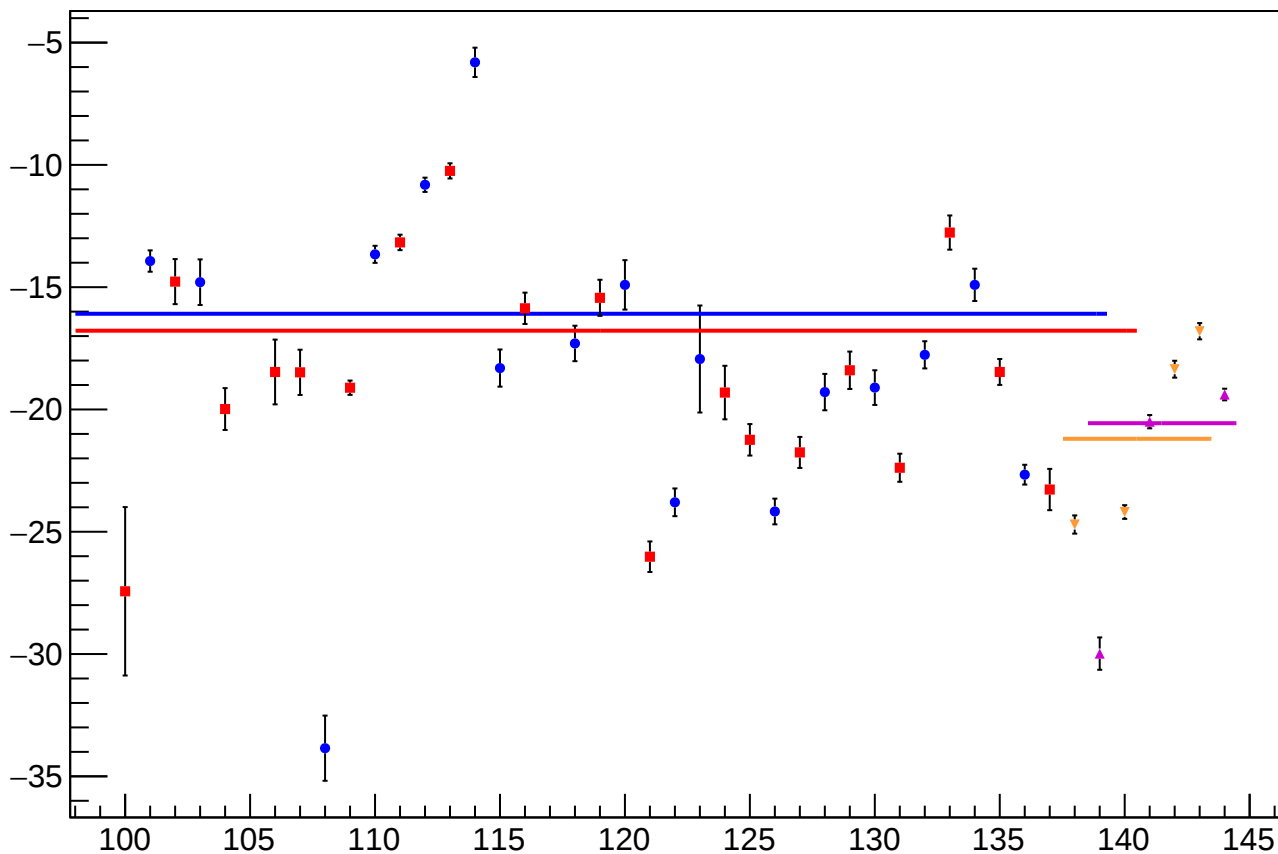
Left In: -52.710±/0.198 χ^2/NDF : 450.7/2

+ sign -60.830±/0.137 χ^2/NDF : 12356.0/20

All: -63.167±/0.096 χ^2/NDF : 24387.0/42

- sign -65.399±/0.134 χ^2/NDF : 11460.0/21

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.087 ± 0.133 χ^2/NDF : 1620.7/16

Left Out: -21.199 ± 0.164 χ^2/NDF : 445.2/3

Right Out: -16.779 ± 0.128 χ^2/NDF : 1211.2/18

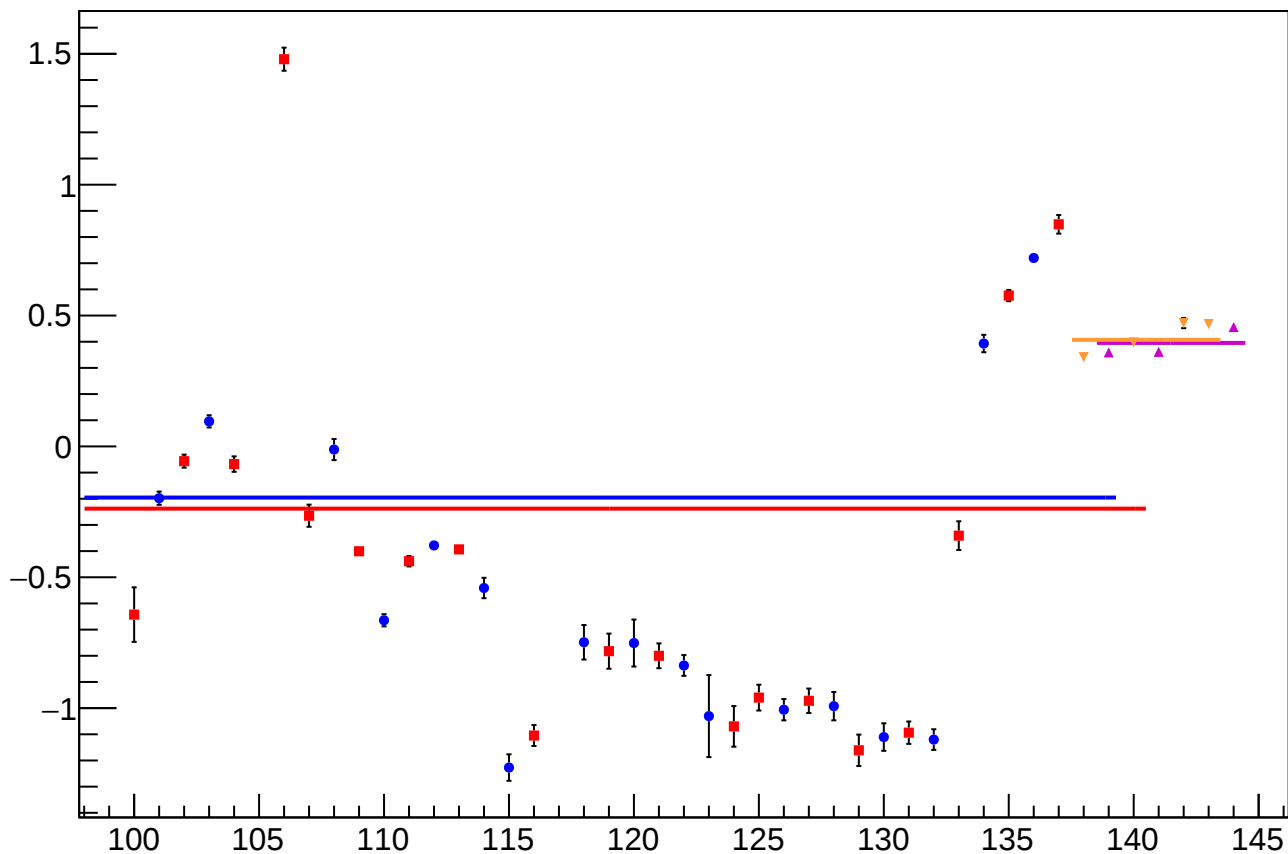
Left In: -20.561 ± 0.173 χ^2/NDF : 227.1/2

+ sign -18.118 ± 0.103 χ^2/NDF : 2654.3/20

All: -18.120 ± 0.073 χ^2/NDF : 4401.1/42

- sign -18.123 ± 0.103 χ^2/NDF : 1746.8/21

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.195 ± 0.008 χ^2/NDF : 6316.5/16

Left Out: 0.407 ± 0.008 χ^2/NDF : 44.5/3

Right Out: -0.238 ± 0.007 χ^2/NDF : 6176.6/18

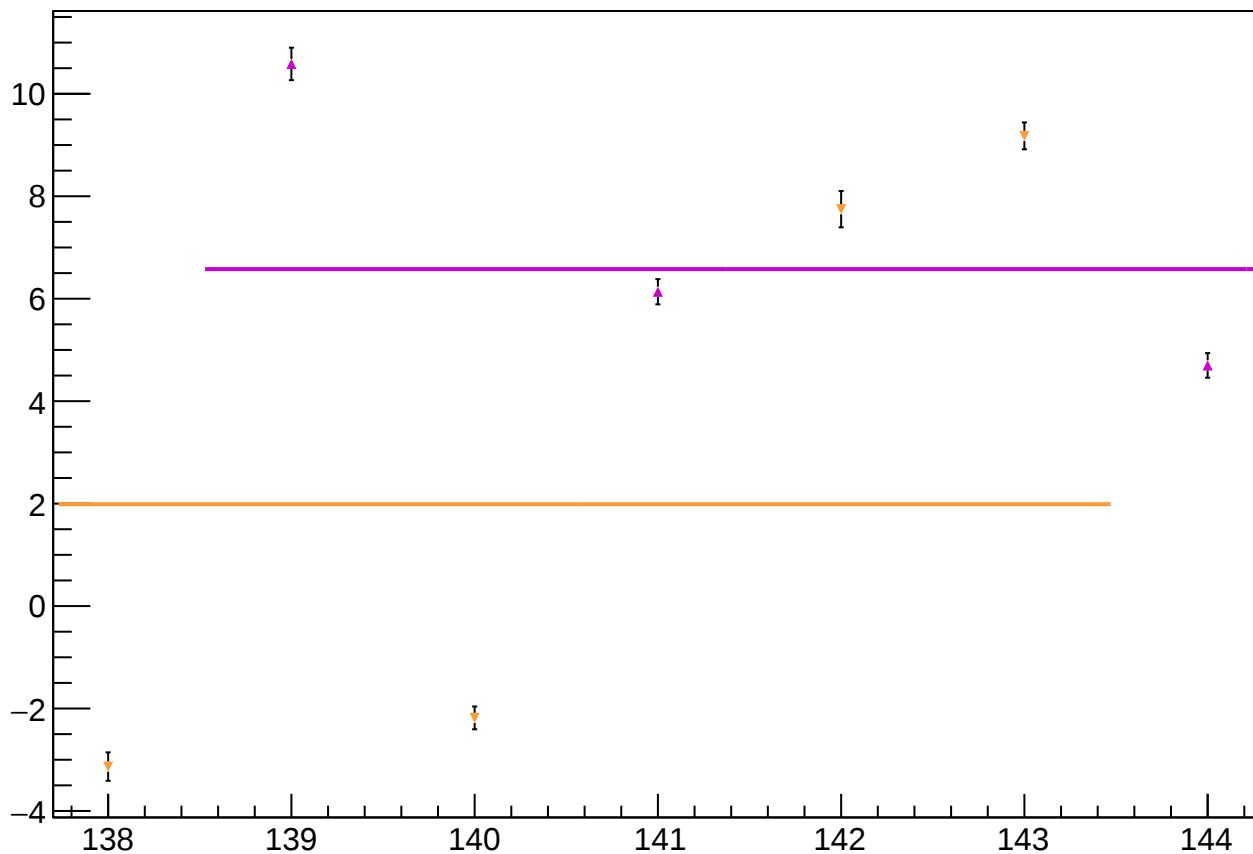
Left In: 0.395 ± 0.008 χ^2/NDF : 33.8/2

+ sign 0.097 ± 0.005 χ^2/NDF : 9442.9/20

All: 0.072 ± 0.004 χ^2/NDF : 19192.9/42

- sign 0.047 ± 0.005 χ^2/NDF : 9708.0/21

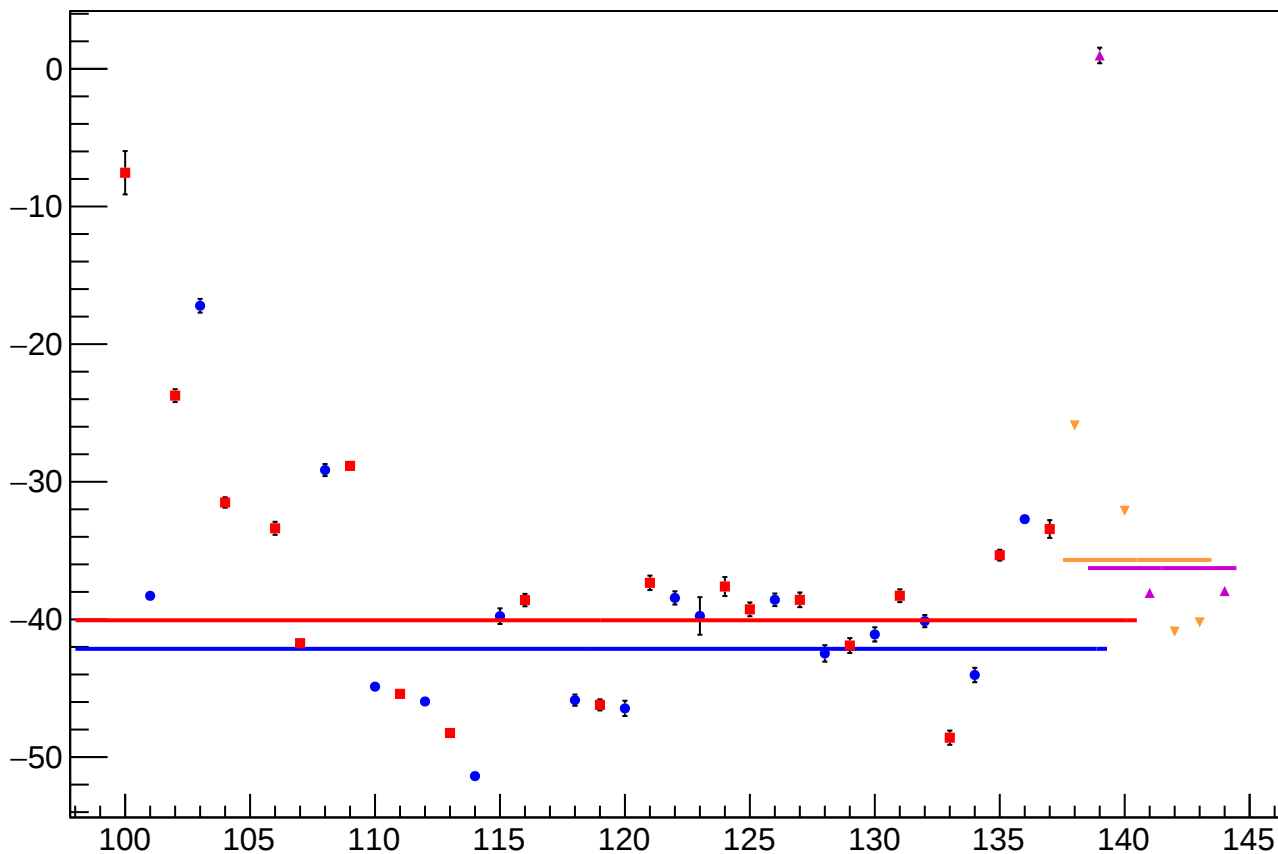
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left Out: 1.988 $\pm$ 0.134 χ^2 /NDF:1708.3/3
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left In: 6.578 $\pm$ 0.151 χ^2 /NDF:223.9/2

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
All: 4.008 $\pm$ 0.100 χ^2 /NDF: 2448.2/6
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.136 ± 0.078 χ^2/NDF : 6553.2/16

Left Out: -35.678 ± 0.103 χ^2/NDF : 2882.1/3

Right Out: -40.062 ± 0.073 χ^2/NDF : 11320.5/18

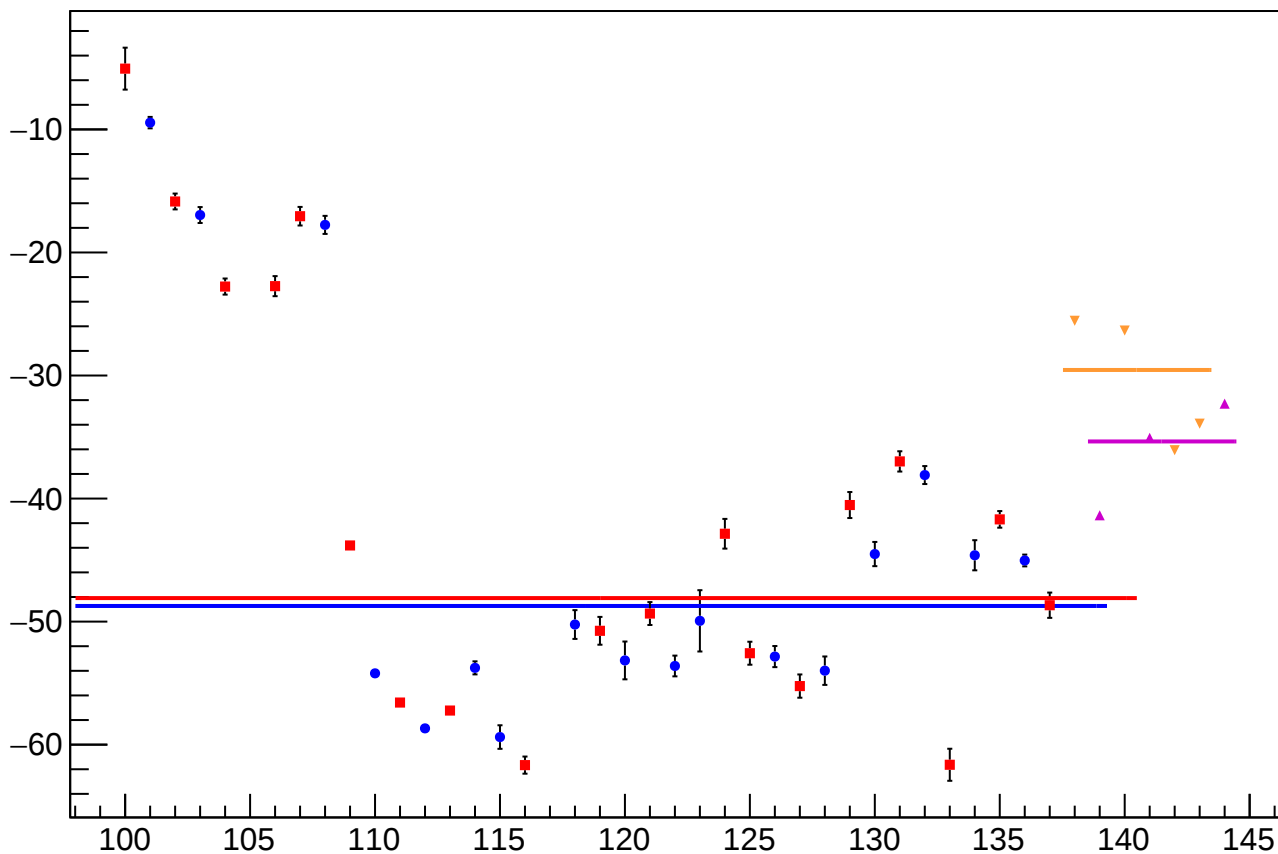
Left In: -36.270 ± 0.120 χ^2/NDF : 4518.3/2

+ sign -39.763 ± 0.062 χ^2/NDF : 11943.5/20

All: -39.399 ± 0.044 χ^2/NDF : 28584.6/42

- sign -39.036 ± 0.062 χ^2/NDF : 16572.6/21

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.729 ± 0.125 $\chi^2/\text{NDF}: 14659.5/16$

Left Out: -29.549 ± 0.143 $\chi^2/\text{NDF}: 898.6/3$

Right Out: -48.089 ± 0.107 $\chi^2/\text{NDF}: 11732.9/18$

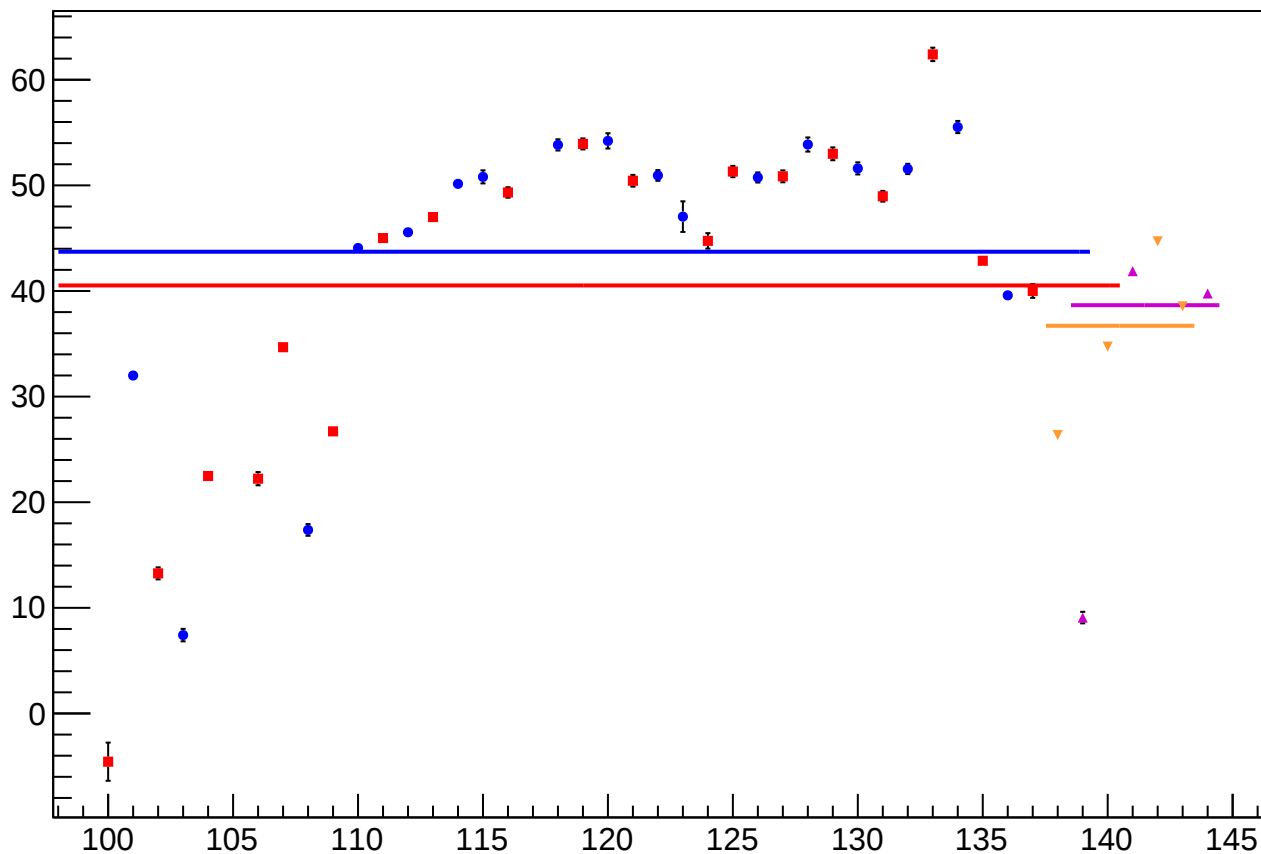
Left In: -35.359 ± 0.162 $\chi^2/\text{NDF}: 448.5/2$

+ sign -40.467 ± 0.094 $\chi^2/\text{NDF}: 25728.3/20$

All: -42.432 ± 0.065 $\chi^2/\text{NDF}: 43035.0/42$

- sign -44.203 ± 0.089 $\chi^2/\text{NDF}: 16478.8/21$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.716+/-0.087 χ^2 /NDF: 10564.2/16

Left Out: 36.705+/-0.123 χ^2 /NDF:2132.9/3

Right Out: 40.525+/-0.080 χ^2 /NDF: 17578.6/18

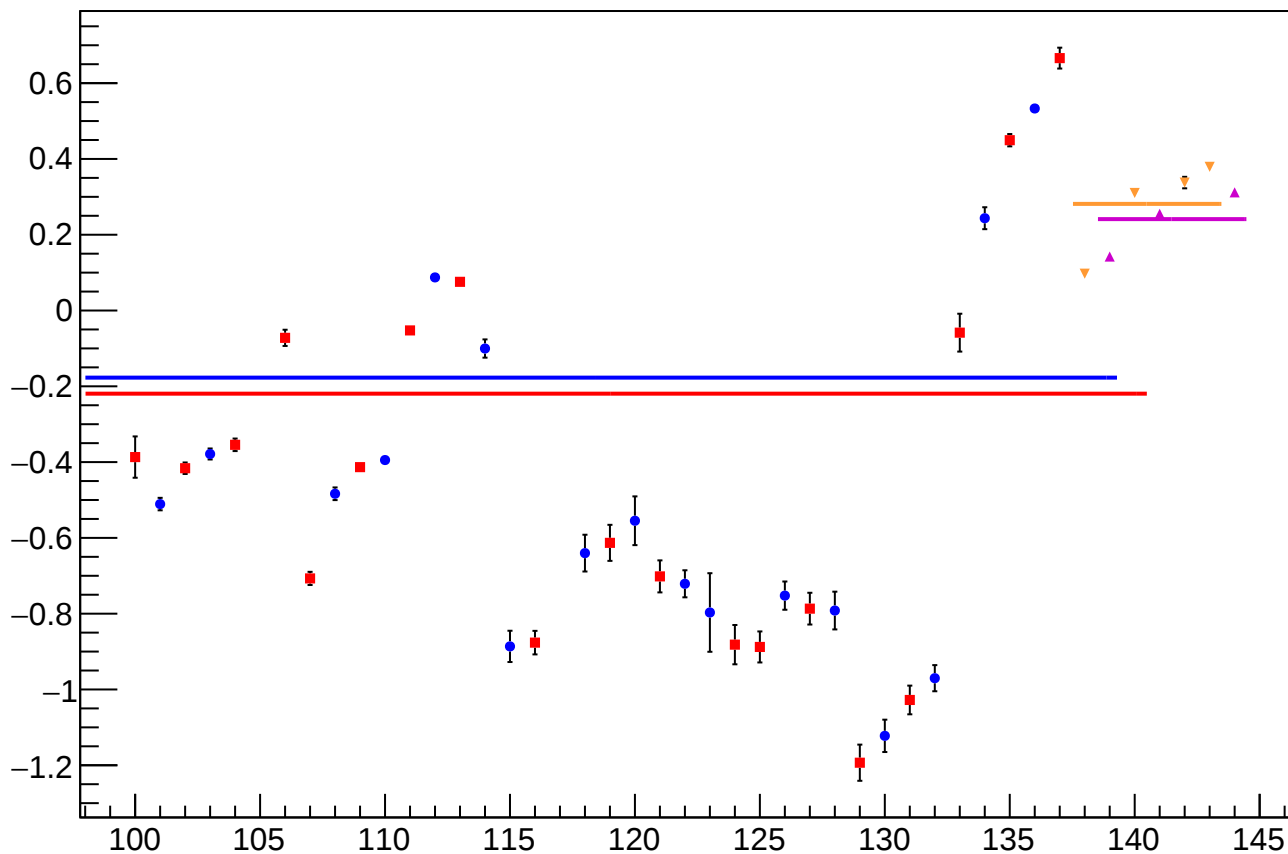
Left In: 38.655+/-0.141 χ^2 /NDF:3206.3/2

+ sign 41.375+/-0.071 χ^2 /NDF: 14864.3/20

All: 40.710+/-0.050 χ^2 /NDF: 35953.9/42

- sign 40.068+/-0.070 χ^2 /NDF: 20917.4/21

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7353.5/16

Left Out: 0.281 ± 0.006 χ^2/NDF : 335.1/3

Right Out: -0.219 ± 0.004 χ^2/NDF : 7417.3/18

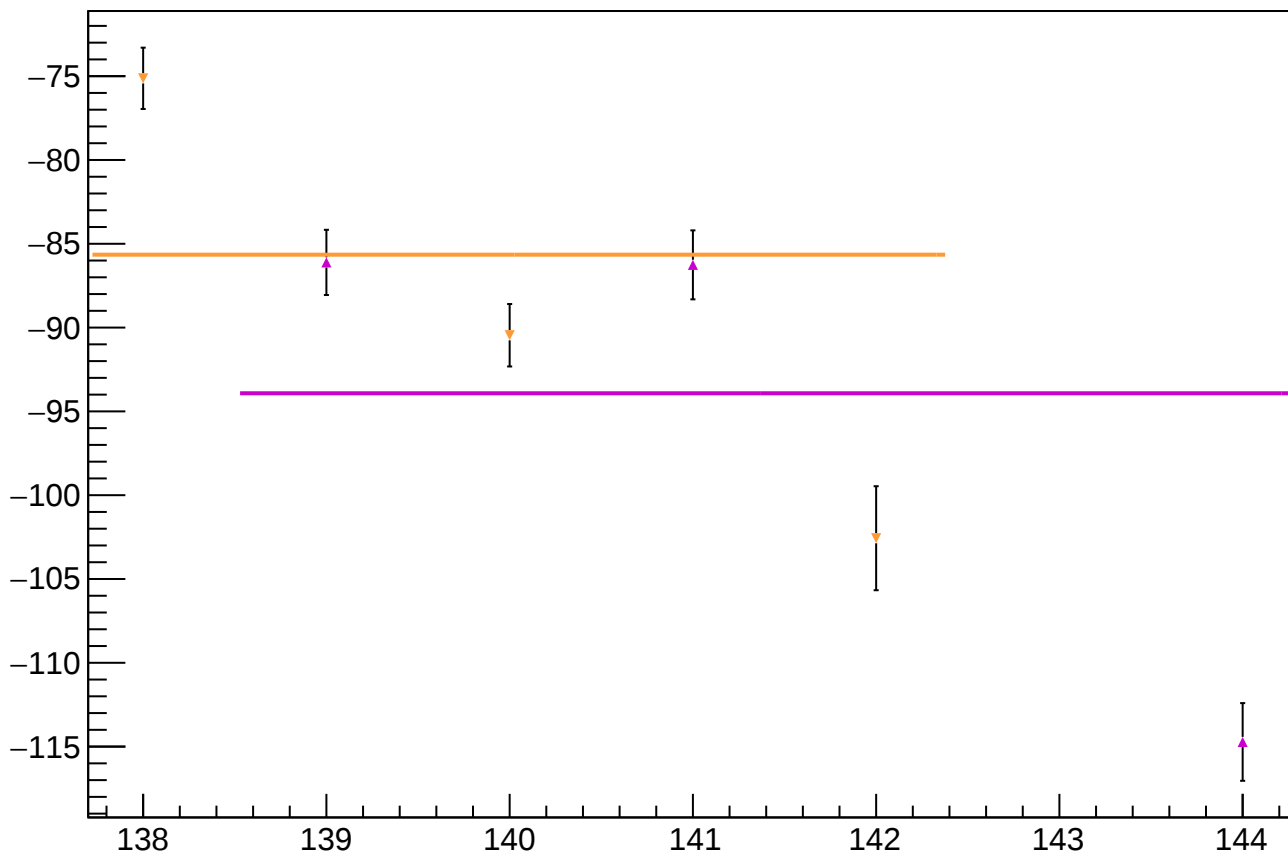
Left In: 0.241 ± 0.006 χ^2/NDF : 108.8/2

+ sign 0.007 ± 0.004 χ^2/NDF : 11287.3/20

All: -0.037 ± 0.003 χ^2/NDF : 22590.2/42

- sign -0.079 ± 0.004 χ^2/NDF : 11029.0/21

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -85.651+/-1.203 χ^2/NDF : 69.4/2

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

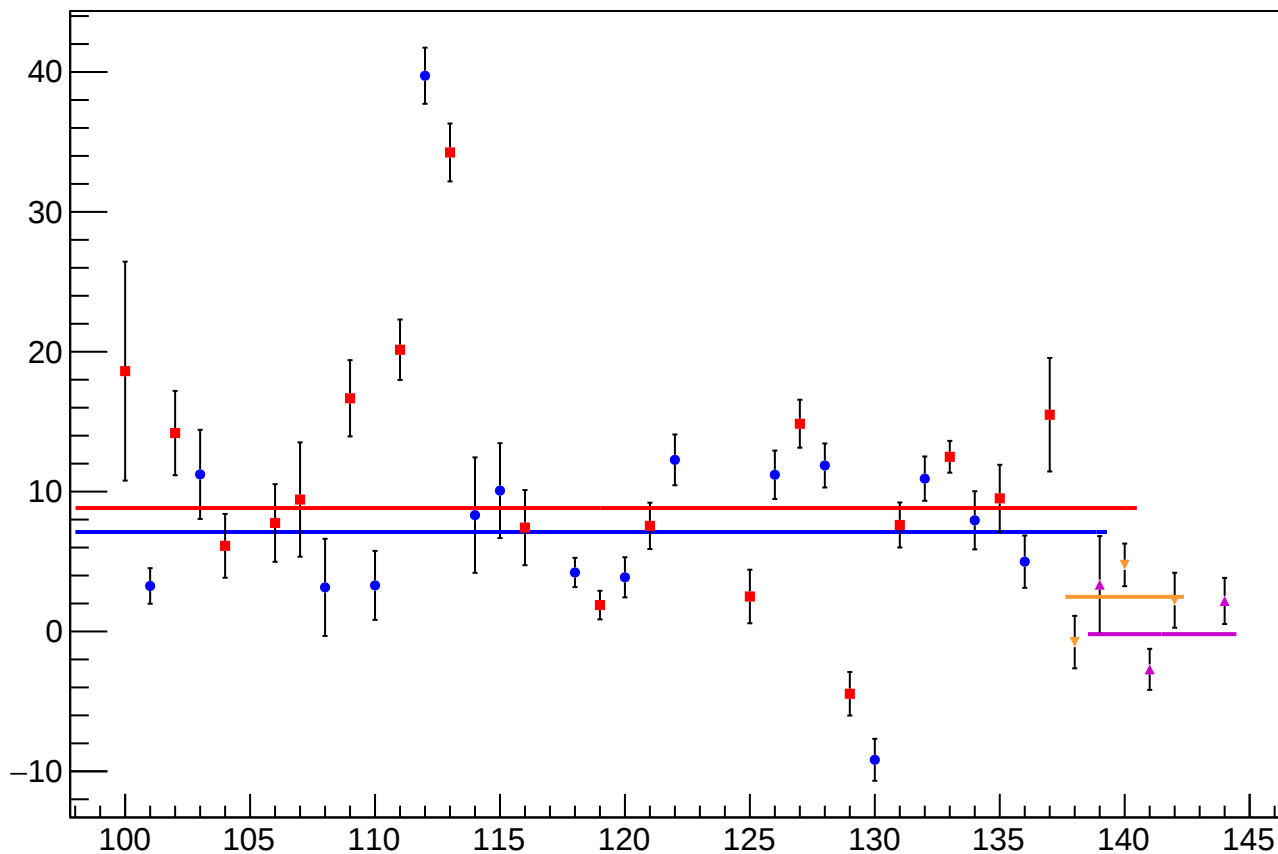
Left In: -93.918+/-1.207 χ^2/NDF : 110.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -89.772+/-0.852 χ^2/NDF : 203.5/5

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.112 ± 0.440 χ^2/NDF : 440.4/15

Left Out: 2.474 ± 1.014 χ^2/NDF : 5.2/2

Right Out: 8.824 ± 0.449 χ^2/NDF : 349.7/17

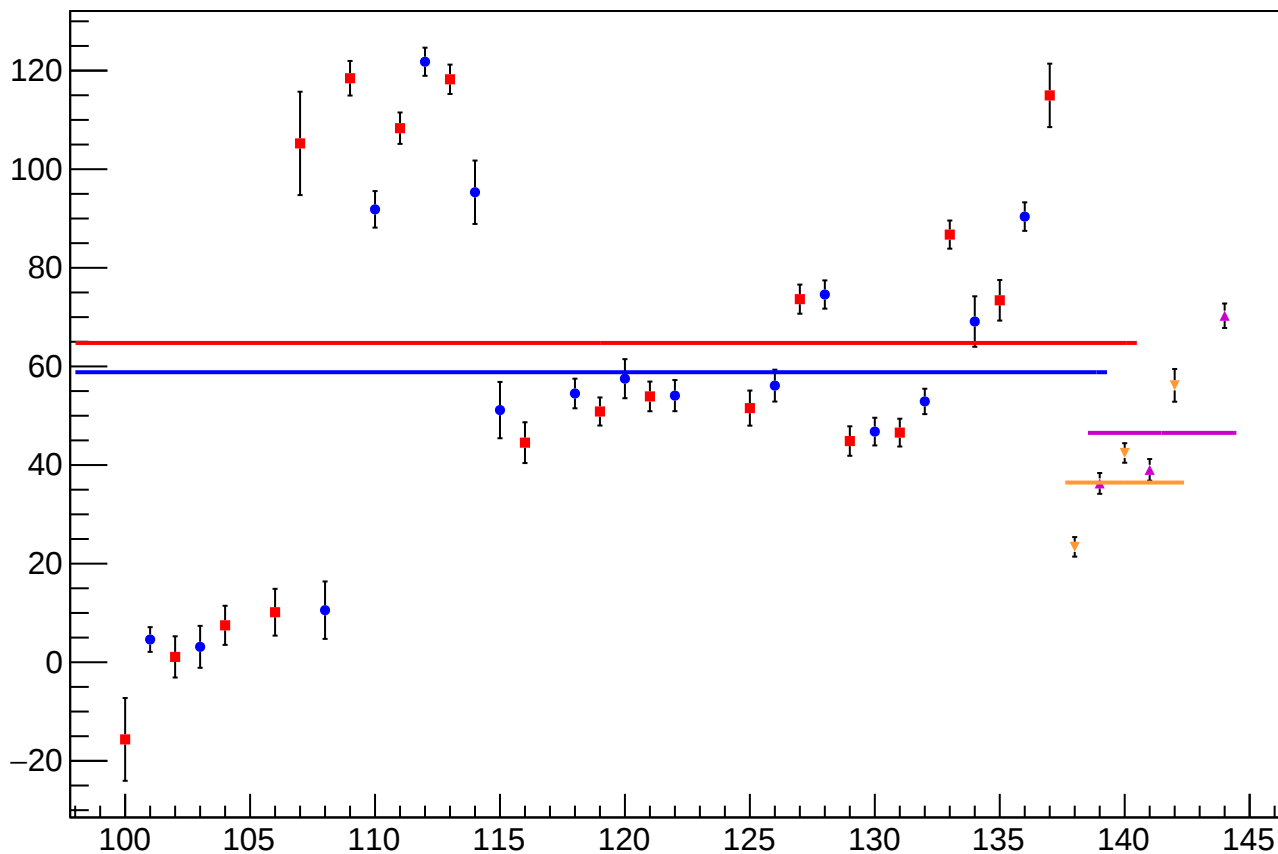
Left In: -0.191 ± 1.045 χ^2/NDF : 6.1/2

+ sign 6.376 ± 0.404 χ^2/NDF : 463.3/18

All: 6.888 ± 0.288 χ^2/NDF : 885.1/39

- sign 7.422 ± 0.412 χ^2/NDF : 418.5/20

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.825 $\pm$ 0.839 χ^2 /NDF: 1491.4/15

Left Out: 36.447 $\pm$ 1.292 χ^2 /NDF:87.6/2

Right Out: 64.764 $\pm$ 0.842 χ^2 /NDF: 1718.6/17

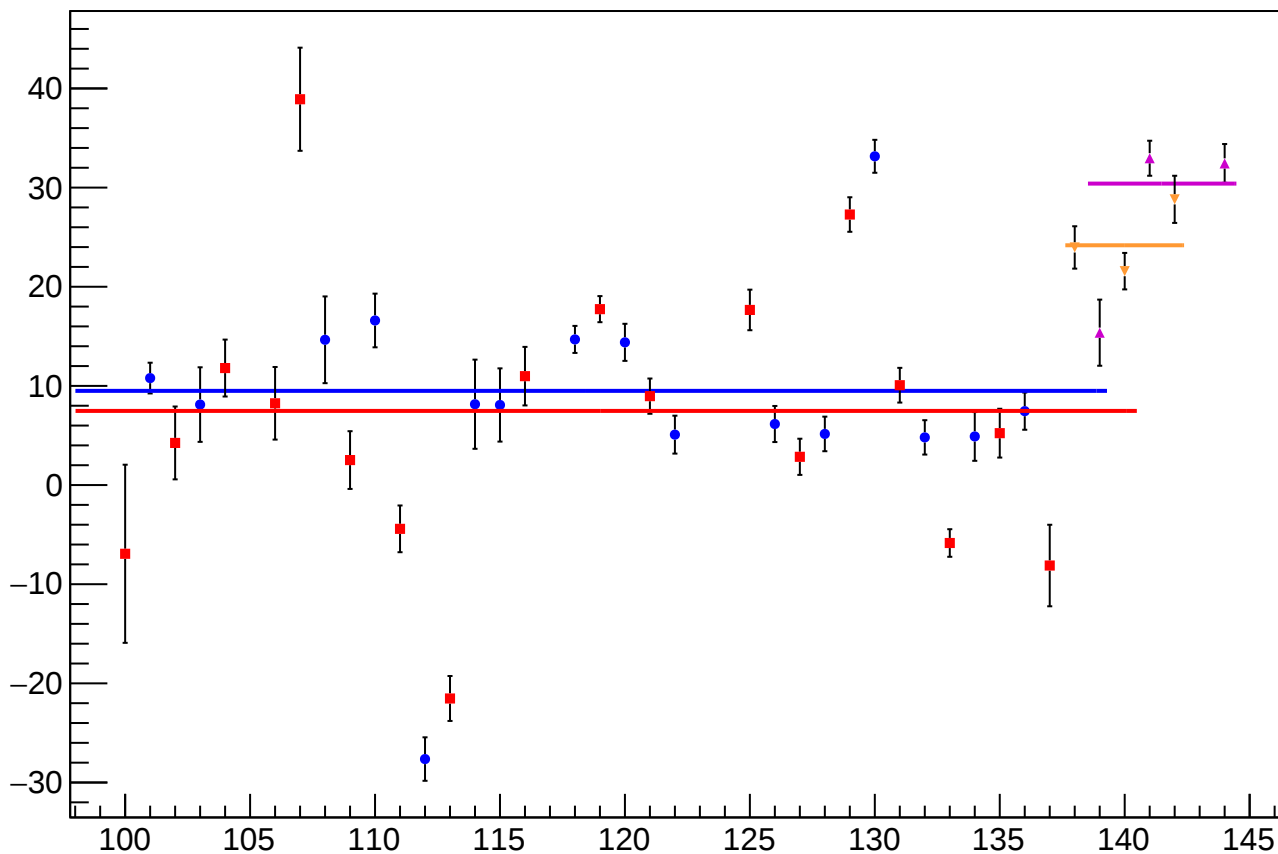
Left In: 46.521 $\pm$ 1.295 χ^2 /NDF:127.3/2

+ sign 52.194 $\pm$ 0.703 χ^2 /NDF: 1790.0/18

All: 55.758 $\pm$ 0.498 χ^2 /NDF: 3826.9/39

- sign 59.345 $\pm$ 0.706 χ^2 /NDF: 1985.4/20

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.499 $\pm$ 0.508 χ^2 /NDF: 547.2/15

Left Out: 24.183 $\pm$ 1.203 χ^2 /NDF: 5.8/2

Right Out: 7.477 $\pm$ 0.516 χ^2 /NDF: 566.9/17

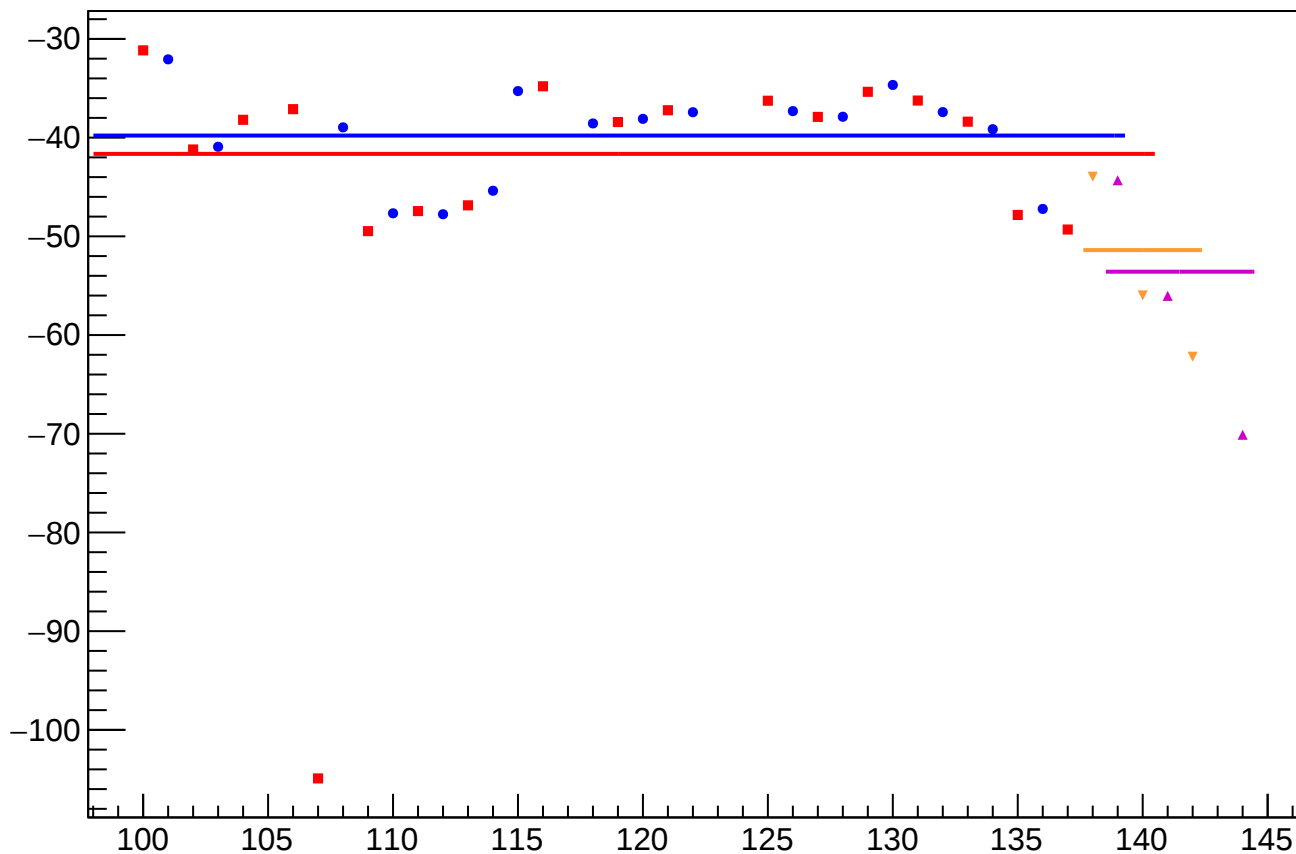
Left In: 30.403 $\pm$ 1.220 χ^2 /NDF: 23.5/2

+ sign 11.720 $\pm$ 0.468 χ^2 /NDF: 679.6/18

All: 11.344 $\pm$ 0.333 χ^2 /NDF: 1570.9/39

- sign 10.955 $\pm$ 0.475 χ^2 /NDF: 890.0/20

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.790 ± 0.031 χ^2/NDF : 26103.4/15

Left Out: -51.394 ± 0.053 χ^2/NDF : 18446.1/2

Right Out: -41.646 ± 0.031 χ^2/NDF : 94375.5/17

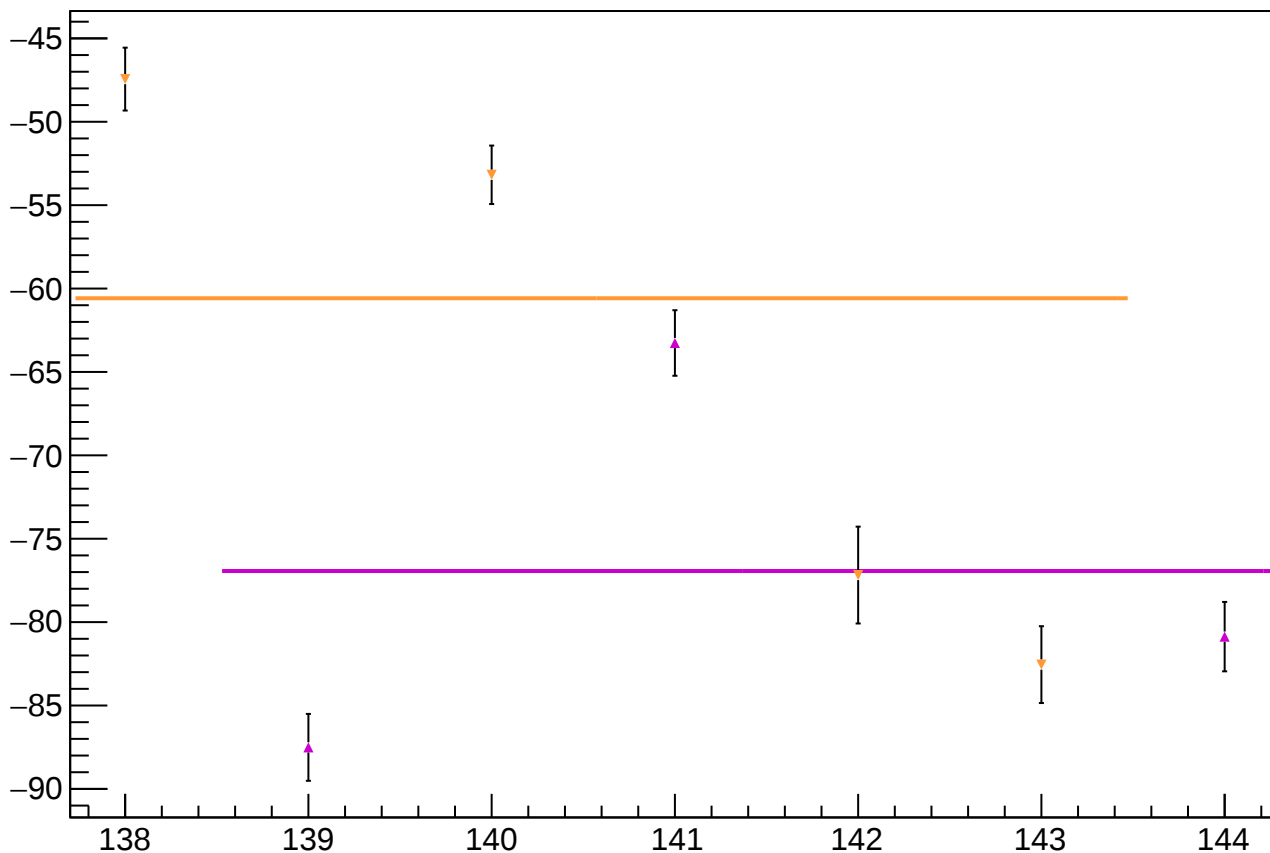
Left In: -53.582 ± 0.050 χ^2/NDF : 39683.9/2

+ sign -42.771 ± 0.027 χ^2/NDF : 79936.6/18

All: -43.893 ± 0.019 χ^2/NDF : 258153.2/39

- sign -44.980 ± 0.027 χ^2/NDF : 174805.0/20

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -60.582+/-1.046 χ^2/NDF :190.1/3

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

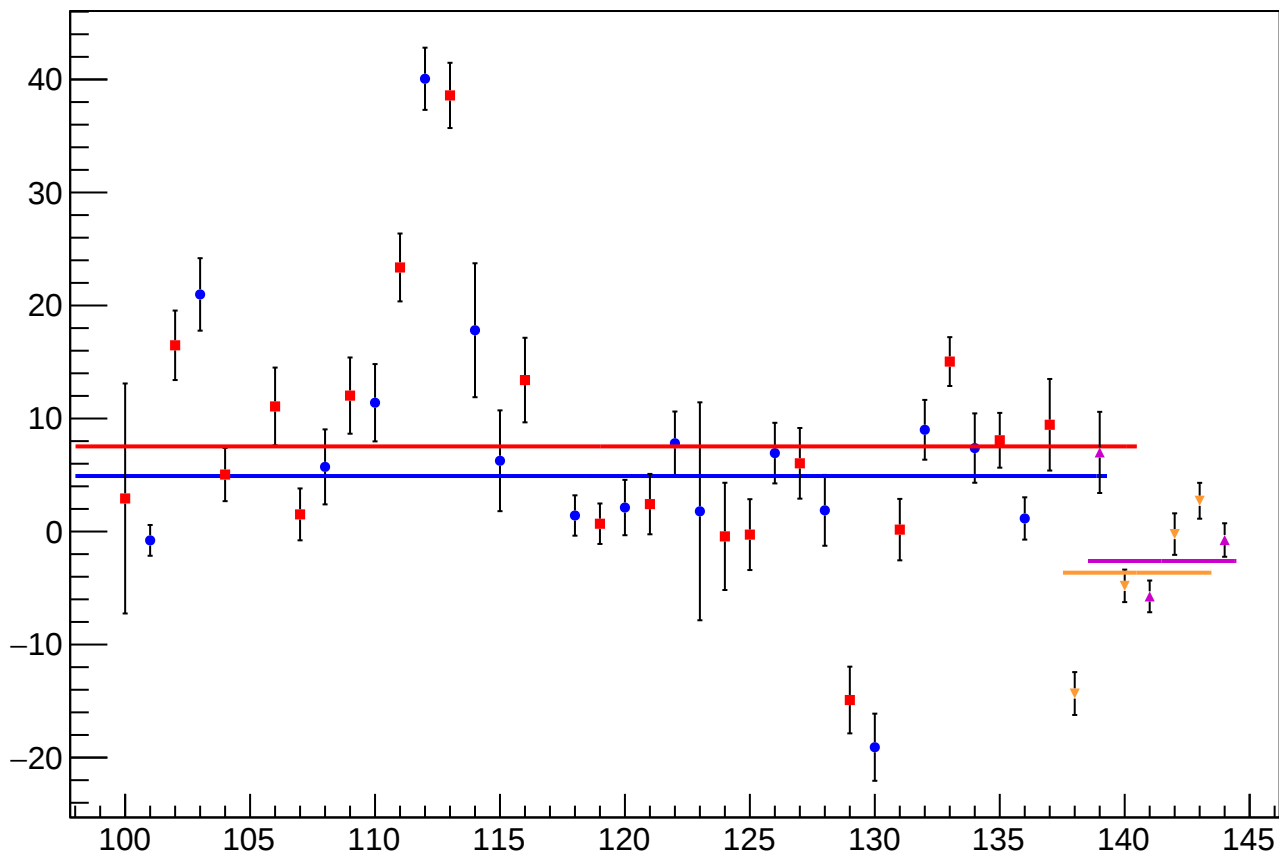
Left In: -76.935+/-1.164 χ^2/NDF :79.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -67.889+/-0.778 χ^2/NDF : 379.1/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.912 ± 0.629 χ^2/NDF : 294.3/16

Left Out: -3.642 ± 0.829 χ^2/NDF : 52.0/3

Right Out: 7.532 ± 0.651 χ^2/NDF : 270.5/18

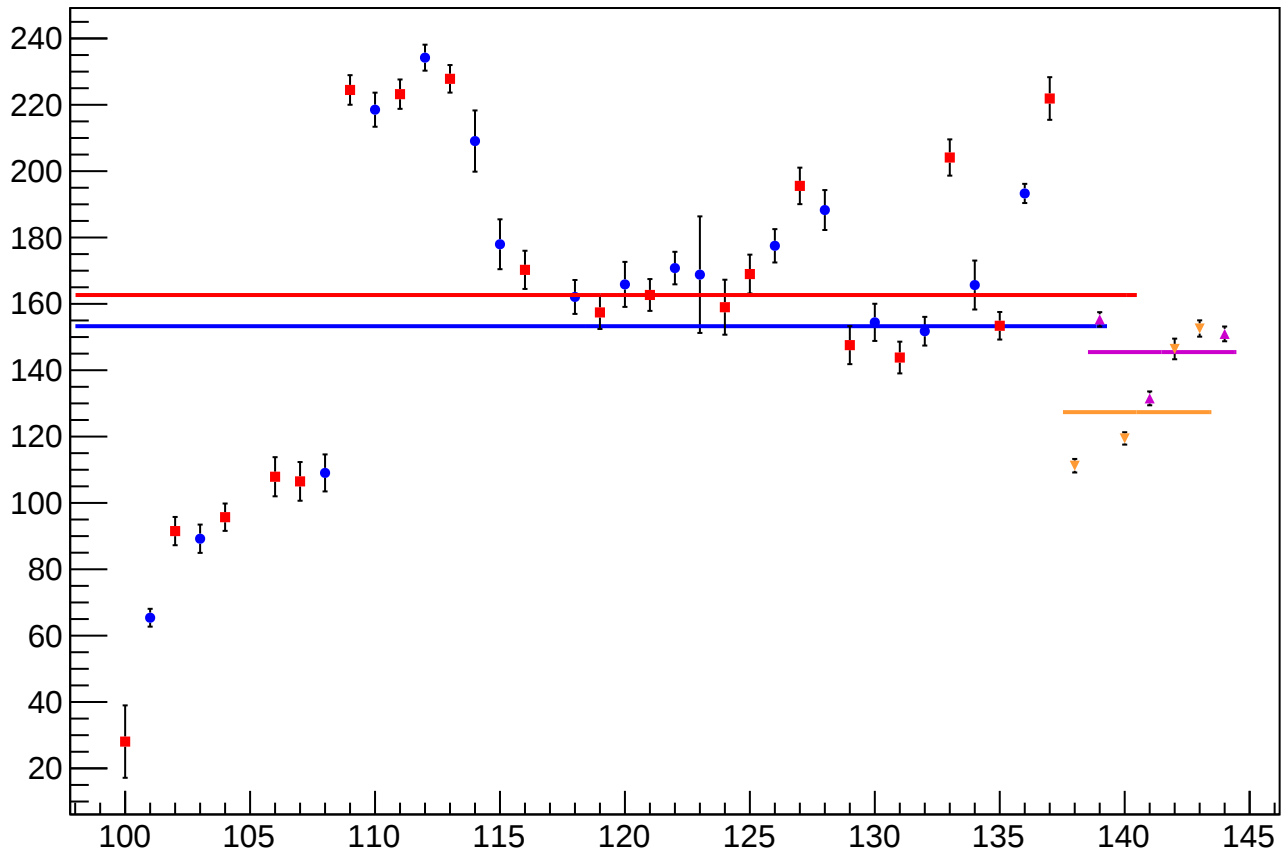
Left In: -2.606 ± 0.980 χ^2/NDF : 13.7/2

+ sign 1.788 ± 0.501 χ^2/NDF : 413.9/20

All: 3.002 ± 0.368 χ^2/NDF : 785.2/42

- sign 4.426 ± 0.542 χ^2/NDF : 358.5/21

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.268 $\pm$ 1.152 χ^2 /NDF: 2266.2/16

Left Out: 127.366 $\pm$ 1.121 χ^2 /NDF:223.3/3

Right Out: 162.664 $\pm$ 1.179 χ^2 /NDF: 1708.8/18

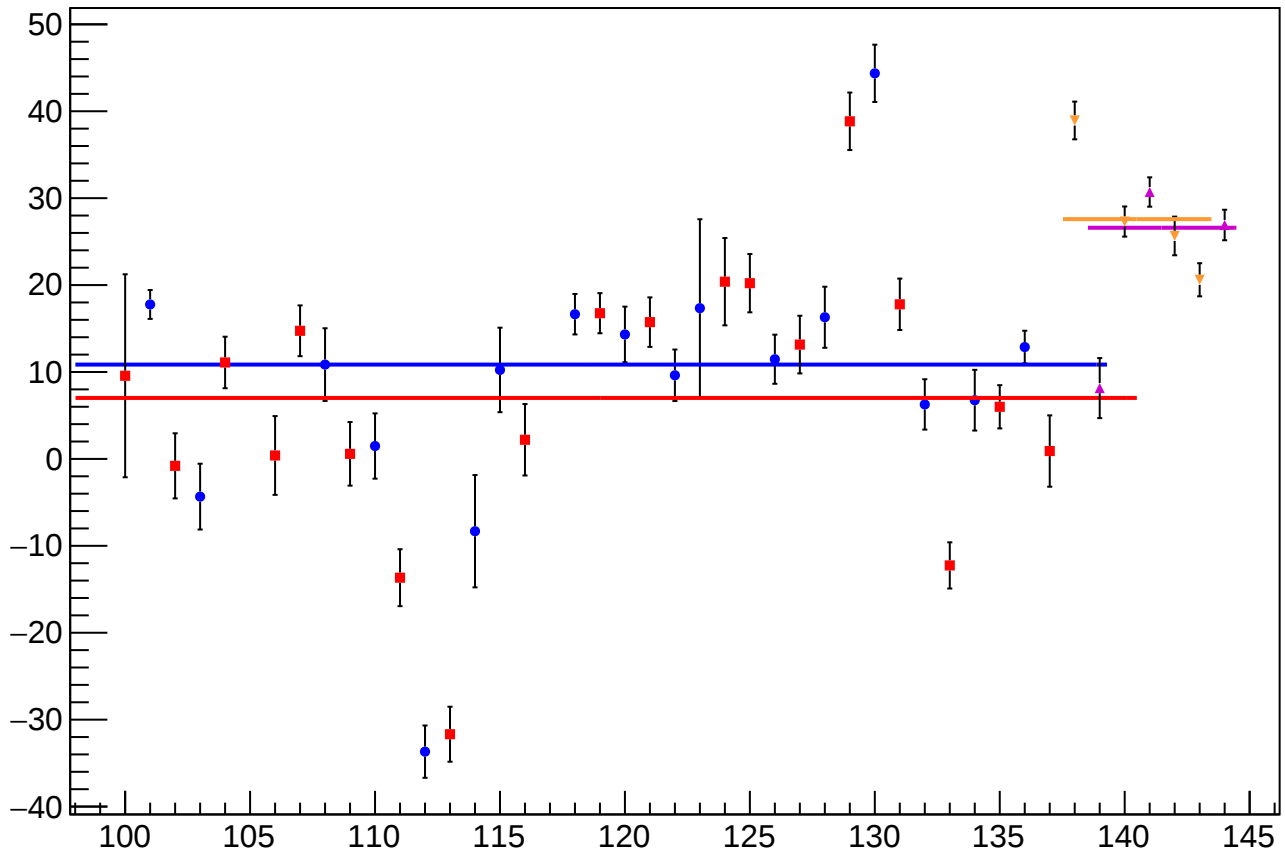
Left In: 145.465 $\pm$ 1.247 χ^2 /NDF:71.2/2

+ sign 139.964 $\pm$ 0.803 χ^2 /NDF: 2749.2/20

All: 146.791 $\pm$ 0.586 χ^2 /NDF: 4783.9/42

- sign 154.553 $\pm$ 0.857 χ^2 /NDF: 1880.4/21

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.853+/-0.721 χ^2/NDF : 386.3/16

Left Out: 27.590+/-0.989 χ^2/NDF : 41.5/3

Right Out: 7.016+/-0.749 χ^2/NDF : 423.3/18

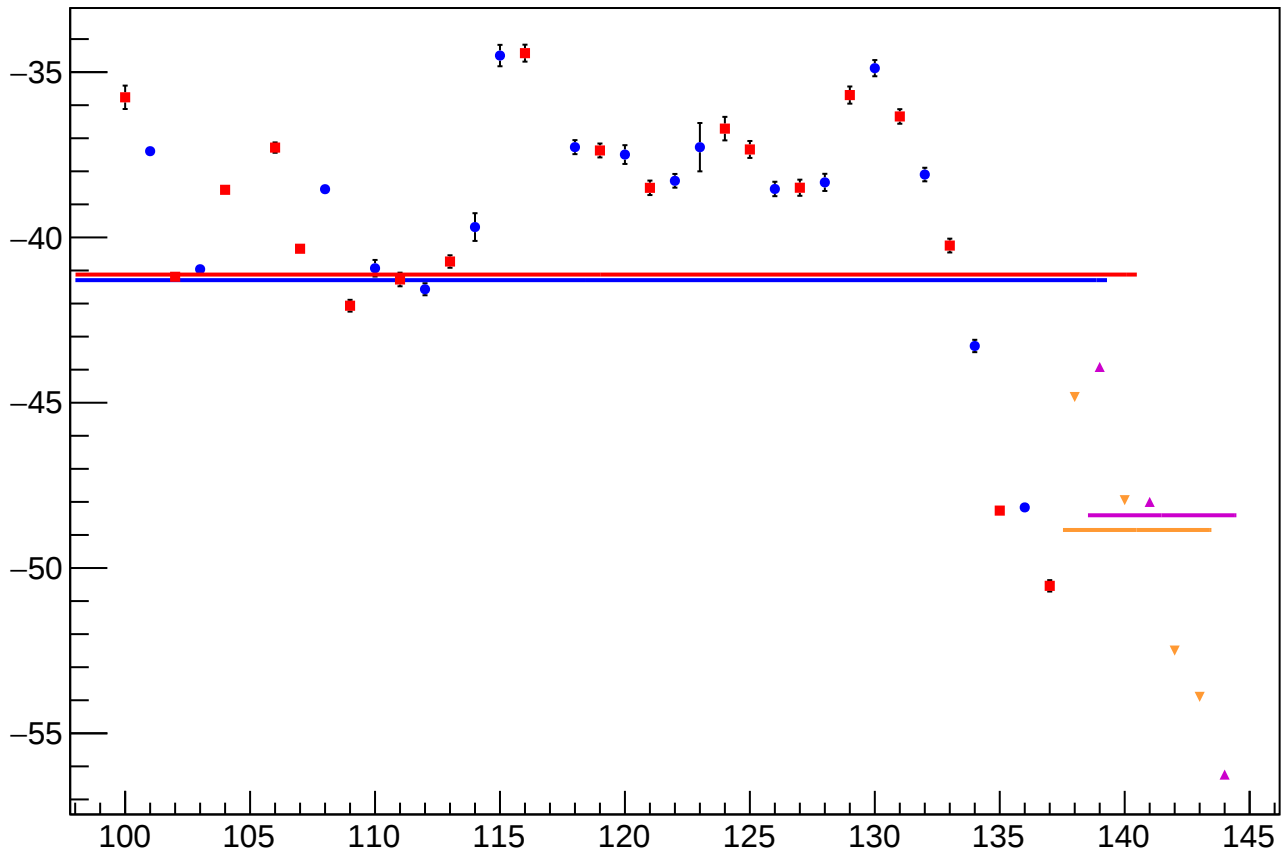
Left In: 26.597+/-1.148 χ^2/NDF : 34.5/2

+ sign 16.659+/-0.582 χ^2/NDF : 615.0/20

All: 14.900+/-0.427 χ^2/NDF : 1296.7/42

- sign 12.860+/-0.627 χ^2/NDF : 662.0/21

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.292 ± 0.039 $\chi^2/\text{NDF}: 12502.4/16$

Left Out: -48.849 ± 0.046 $\chi^2/\text{NDF}: 6073.4/3$

Right Out: -41.123 ± 0.039 $\chi^2/\text{NDF}: 12115.0/18$

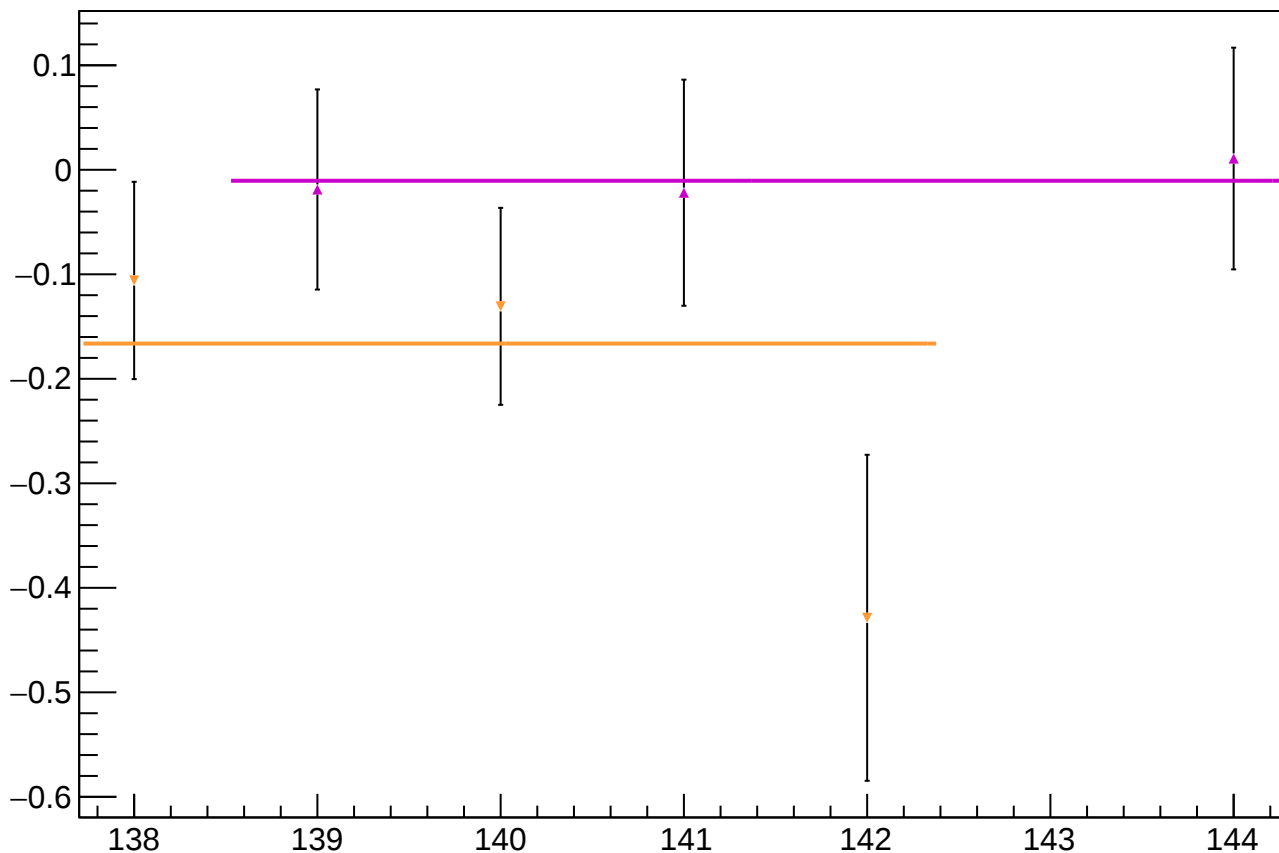
Left In: -48.405 ± 0.049 $\chi^2/\text{NDF}: 9976.2/2$

+ sign -44.412 ± 0.030 $\chi^2/\text{NDF}: 34363.4/20$

All: -44.174 ± 0.021 $\chi^2/\text{NDF}: 70204.1/42$

- sign -43.924 ± 0.030 $\chi^2/\text{NDF}: 35708.3/21$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.166+/-0.061 χ^2/NDF : 3.4/2

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

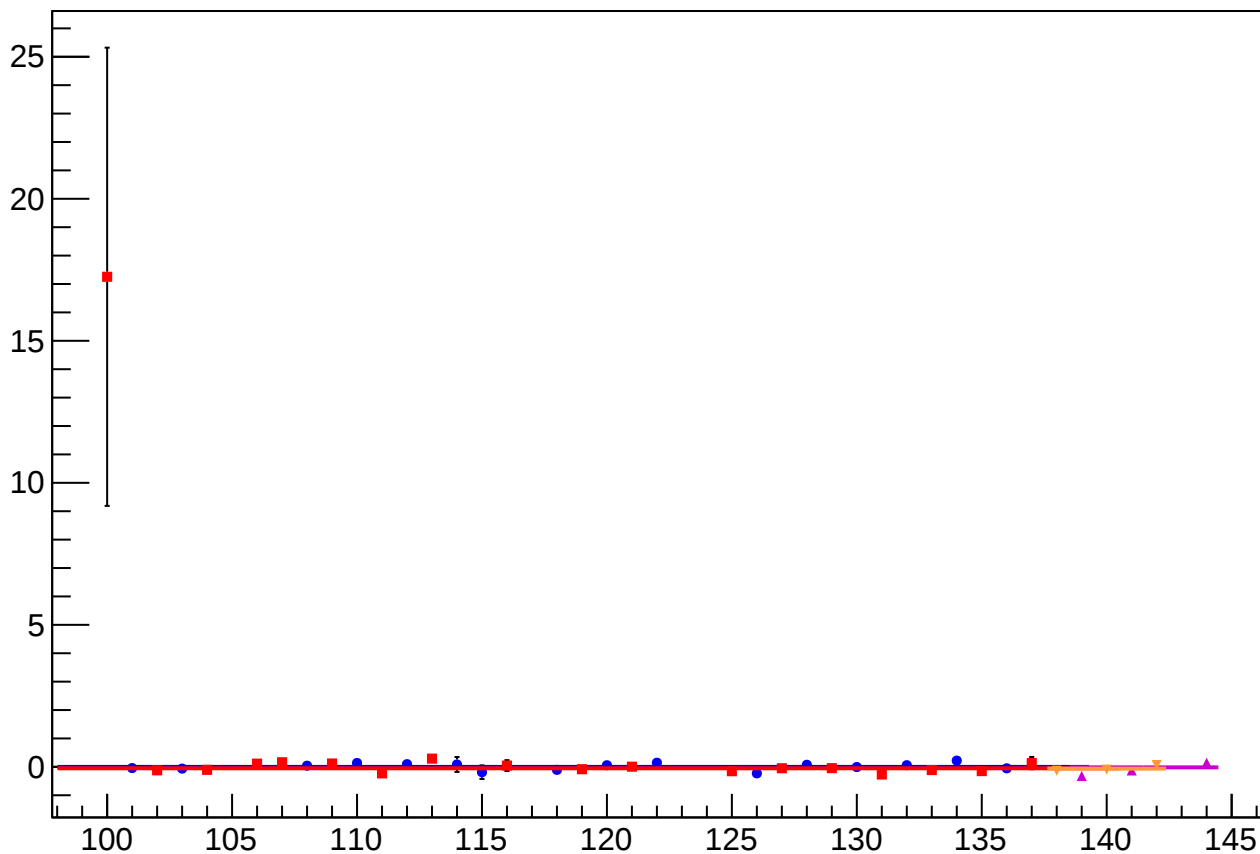
Left In: -0.010+/-0.059 χ^2/NDF : 0.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.086+/-0.043 χ^2/NDF : 6.8/5

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 12.7/15

Left Out: -0.062 ± 0.052 χ^2/NDF : 2.3/2

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.5/17

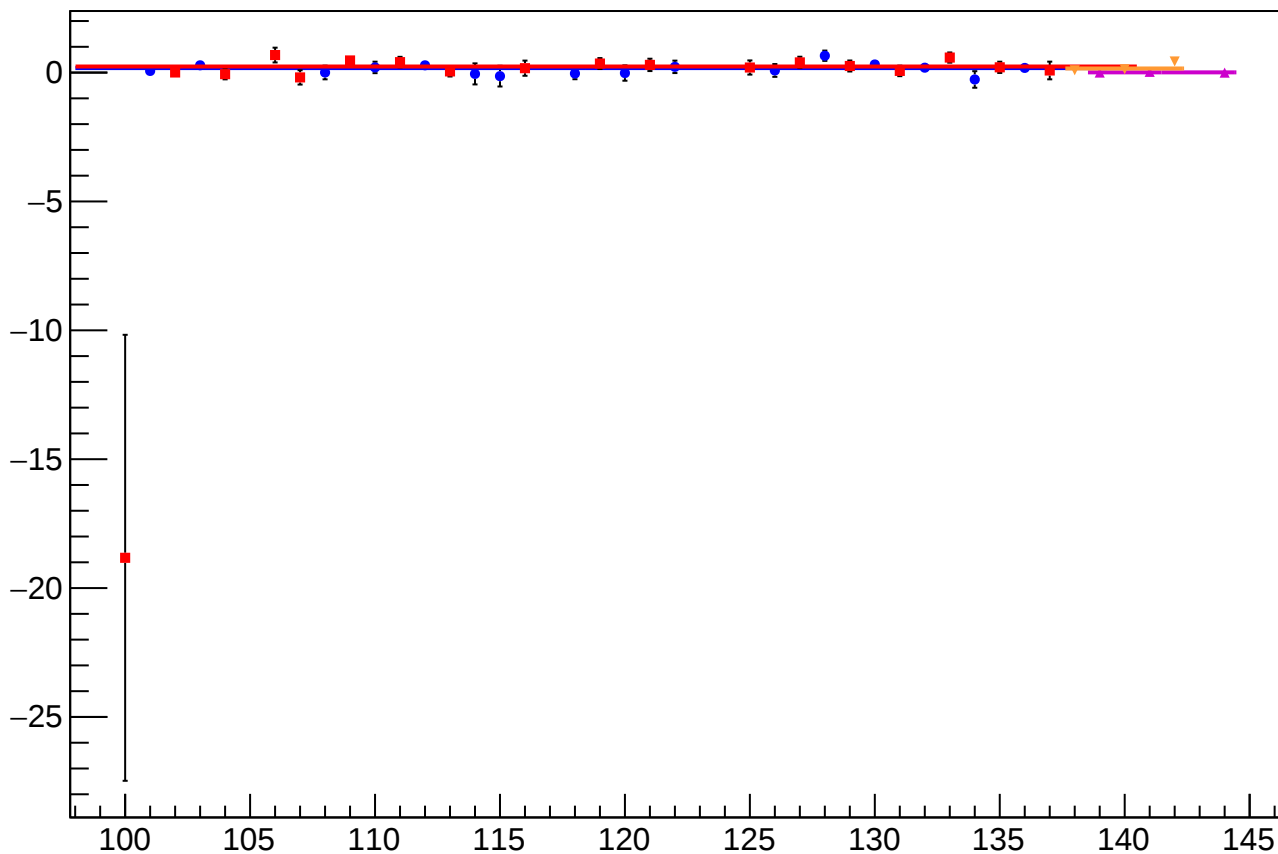
Left In: -0.018 ± 0.052 χ^2/NDF : 9.6/2

+ sign -0.016 ± 0.025 χ^2/NDF : 16.0/18

All: -0.029 ± 0.018 χ^2/NDF : 52.0/39

- sign -0.042 ± 0.026 χ^2/NDF : 35.4/20

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.174 ± 0.053 $\chi^2/\text{NDF}: 12.4/15$

Left Out: 0.159 ± 0.066 $\chi^2/\text{NDF}: 3.2/2$

Right Out: 0.236 ± 0.054 $\chi^2/\text{NDF}: 21.5/17$

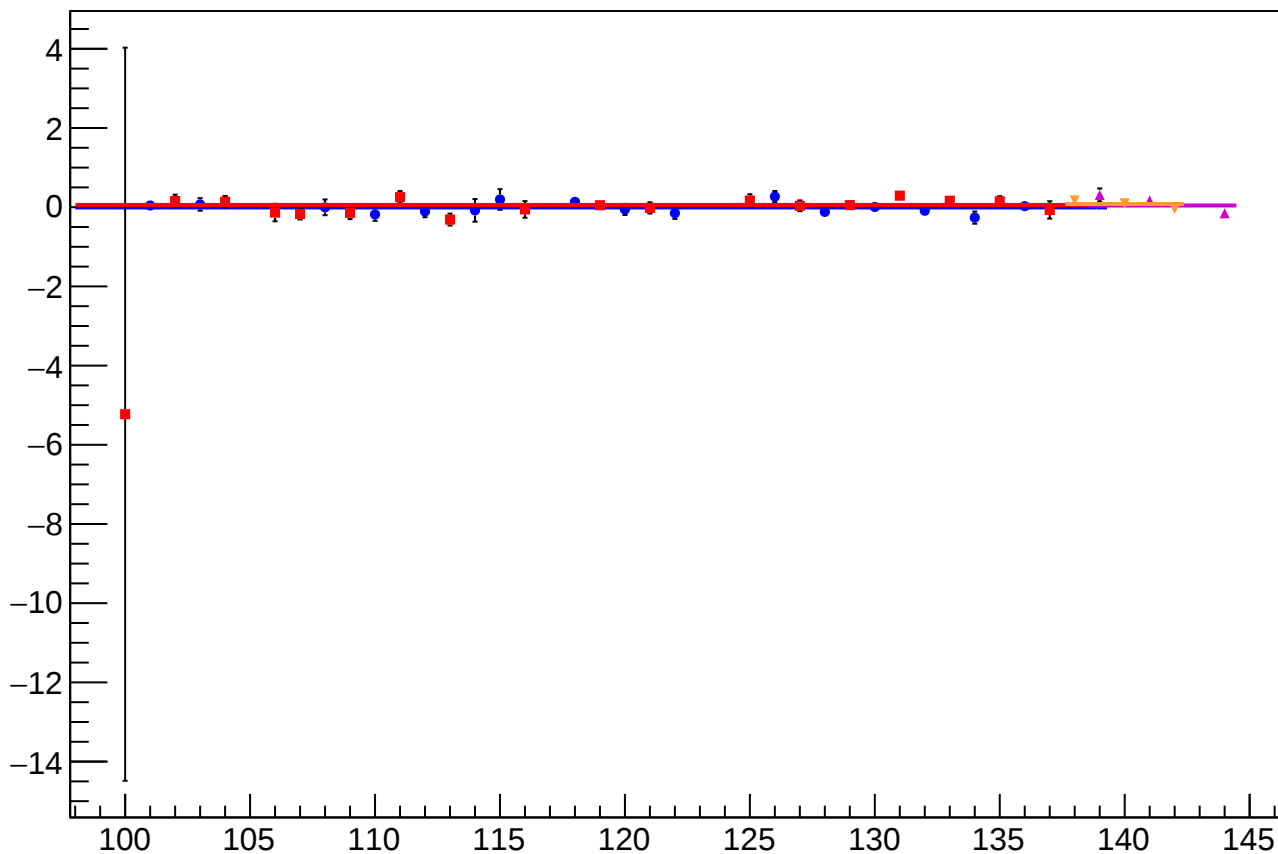
Left In: 0.008 ± 0.064 $\chi^2/\text{NDF}: 0.0/2$

+ sign 0.168 ± 0.041 $\chi^2/\text{NDF}: 15.7/18$

All: 0.154 ± 0.029 $\chi^2/\text{NDF}: 44.8/39$

- sign 0.141 ± 0.041 $\chi^2/\text{NDF}: 29.0/20$

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.006 ± 0.033 χ^2/NDF : 14.1/15

Left Out: 0.080 ± 0.062 χ^2/NDF : 1.8/2

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

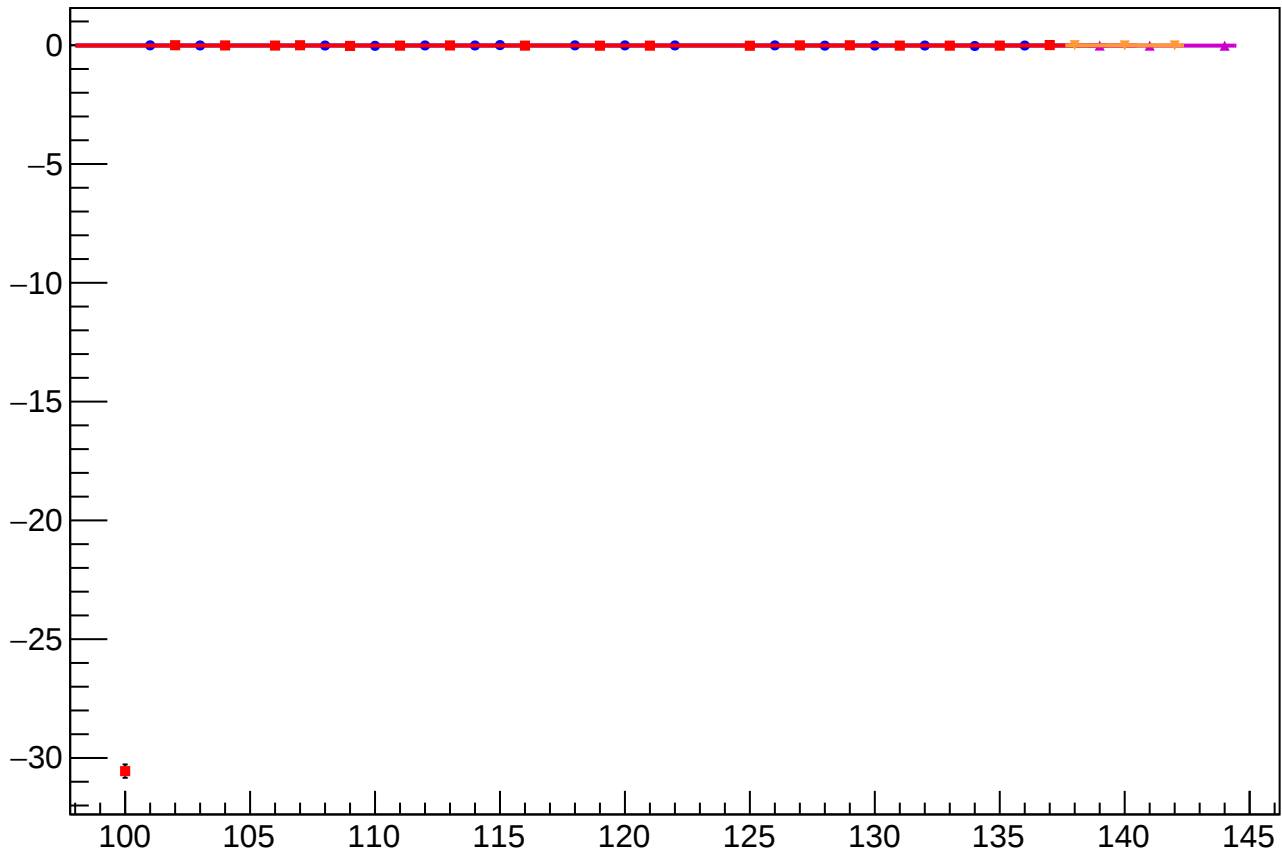
Left In: 0.042 ± 0.060 χ^2/NDF : 9.3/2

+ sign 0.013 ± 0.029 χ^2/NDF : 17.4/18

All: 0.033 ± 0.021 χ^2/NDF : 48.0/39

- sign 0.053 ± 0.030 χ^2/NDF : 29.6/20

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.006 $\pm$ 0.003 χ^2 /NDF: 2.5/2

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11890.8/17

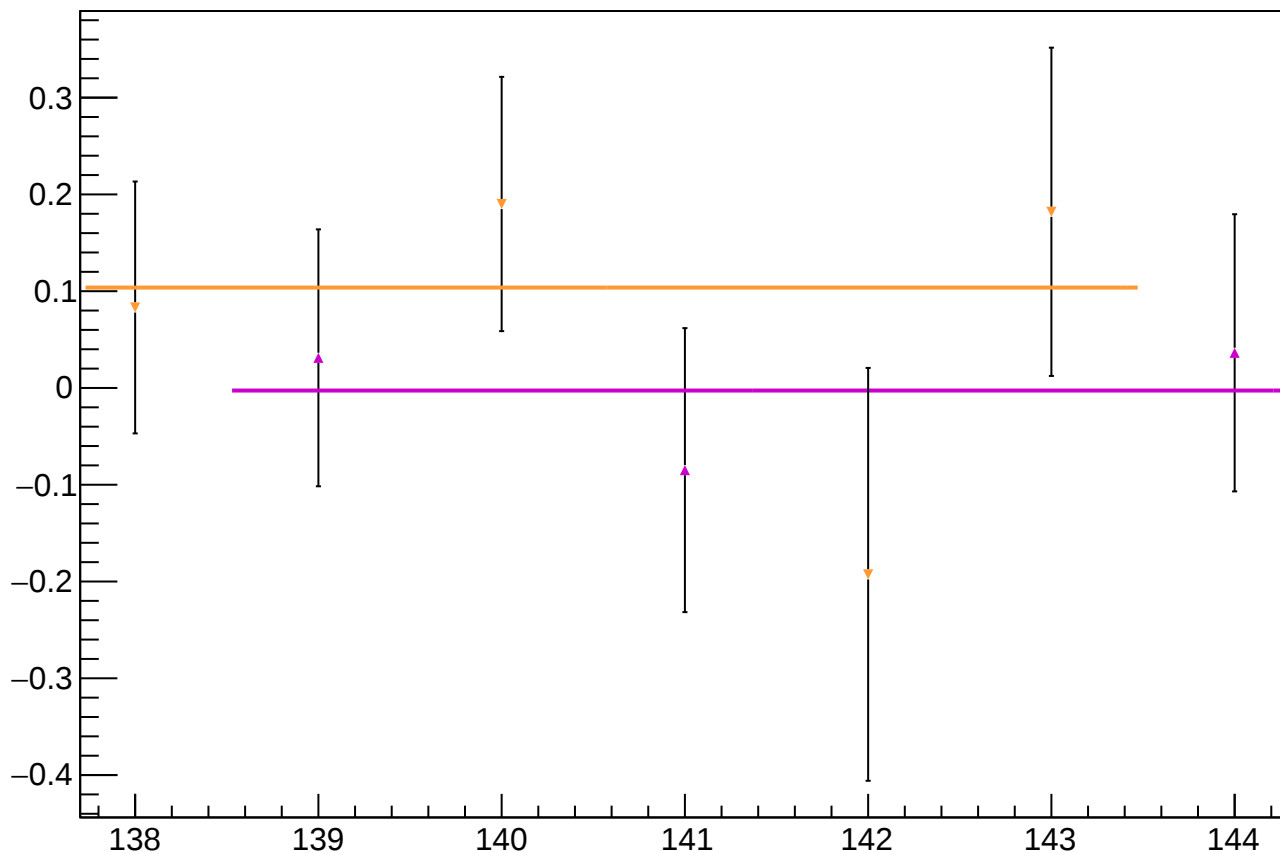
Left In: -0.017 $\pm$ 0.002 χ^2 /NDF: 0.8/2

+ sign -0.010 $\pm$ 0.001 χ^2 /NDF: 18.3/18

All: -0.012 $\pm$ 0.001 χ^2 /NDF: 11915.4/39

- sign -0.014 $\pm$ 0.001 χ^2 /NDF: 11894.1/20

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: 0.104 $\pm$ 0.076 χ^2 /NDF: 2.6/3

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

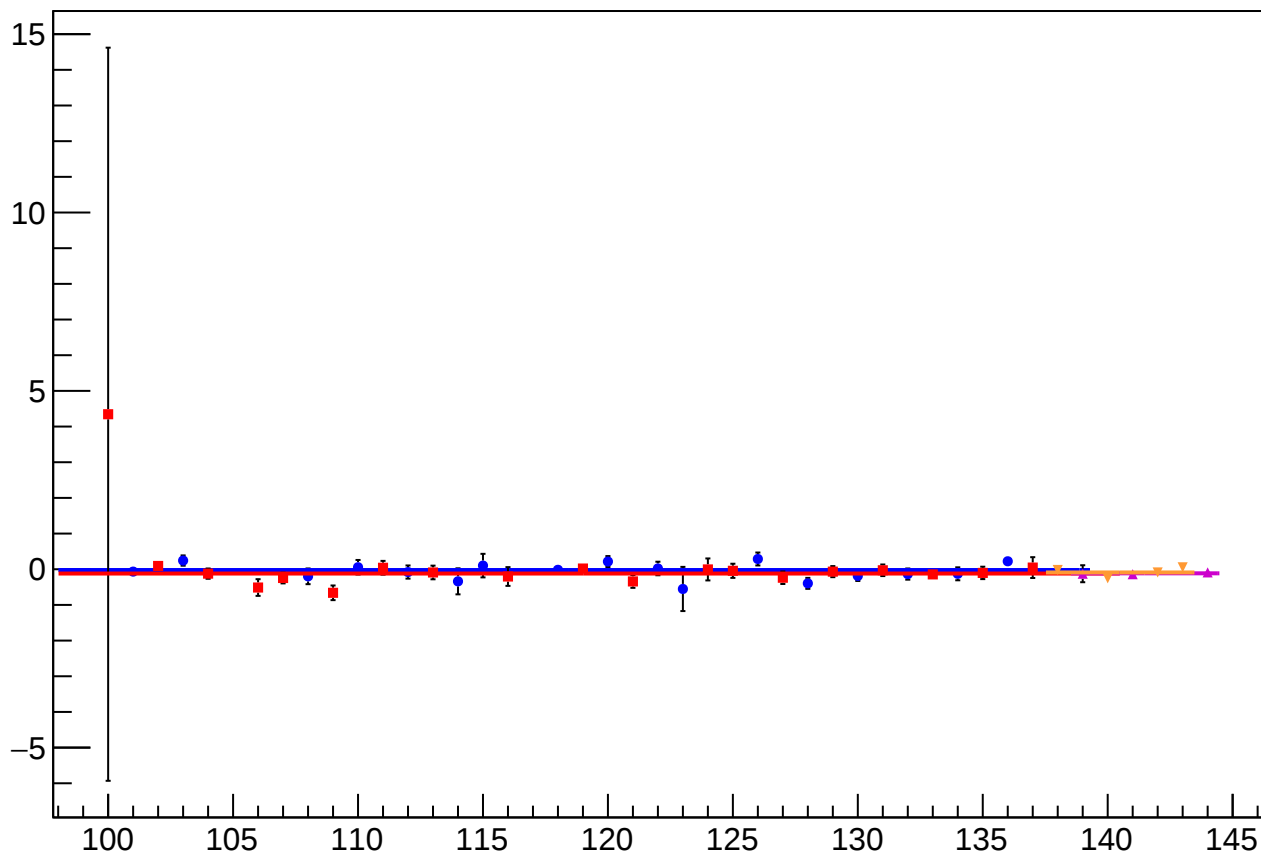
Left In: -0.003 $\pm$ 0.081 χ^2 /NDF: 0.5/2

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

All: 0.054 $\pm$ 0.055 χ^2 /NDF: 4.0/6

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

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 22.9/16

Left Out: -0.090 ± 0.062 χ^2/NDF : 4.0/3

Right Out: -0.120 ± 0.039 χ^2/NDF : 18.5/18

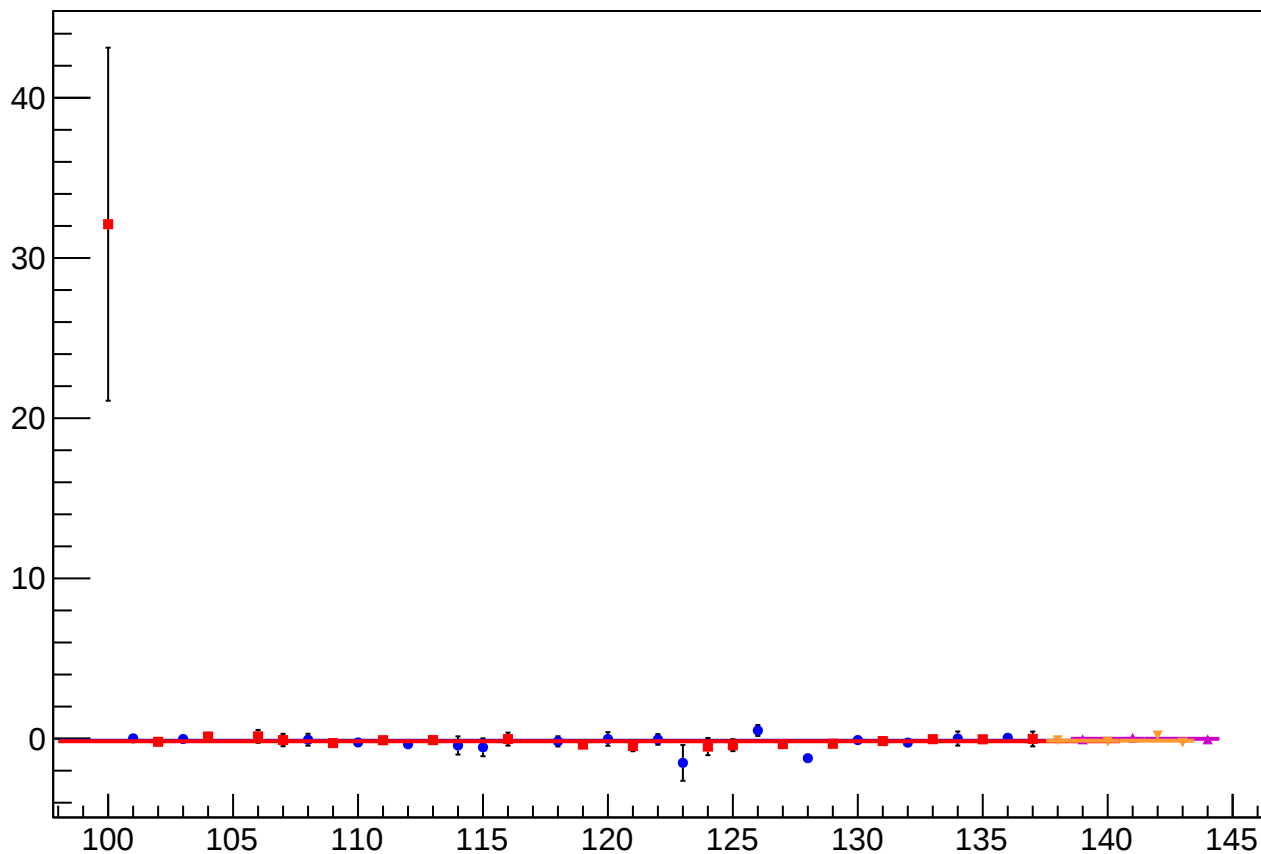
Left In: -0.114 ± 0.070 χ^2/NDF : 0.1/2

+ sign -0.040 ± 0.032 χ^2/NDF : 27.9/20

All: -0.076 ± 0.023 χ^2/NDF : 49.3/42

- sign -0.119 ± 0.034 χ^2/NDF : 18.6/21

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 24.7/16

Left Out: -0.128 ± 0.081 χ^2/NDF : 2.7/3

Right Out: -0.164 ± 0.071 χ^2/NDF : 14.4/18

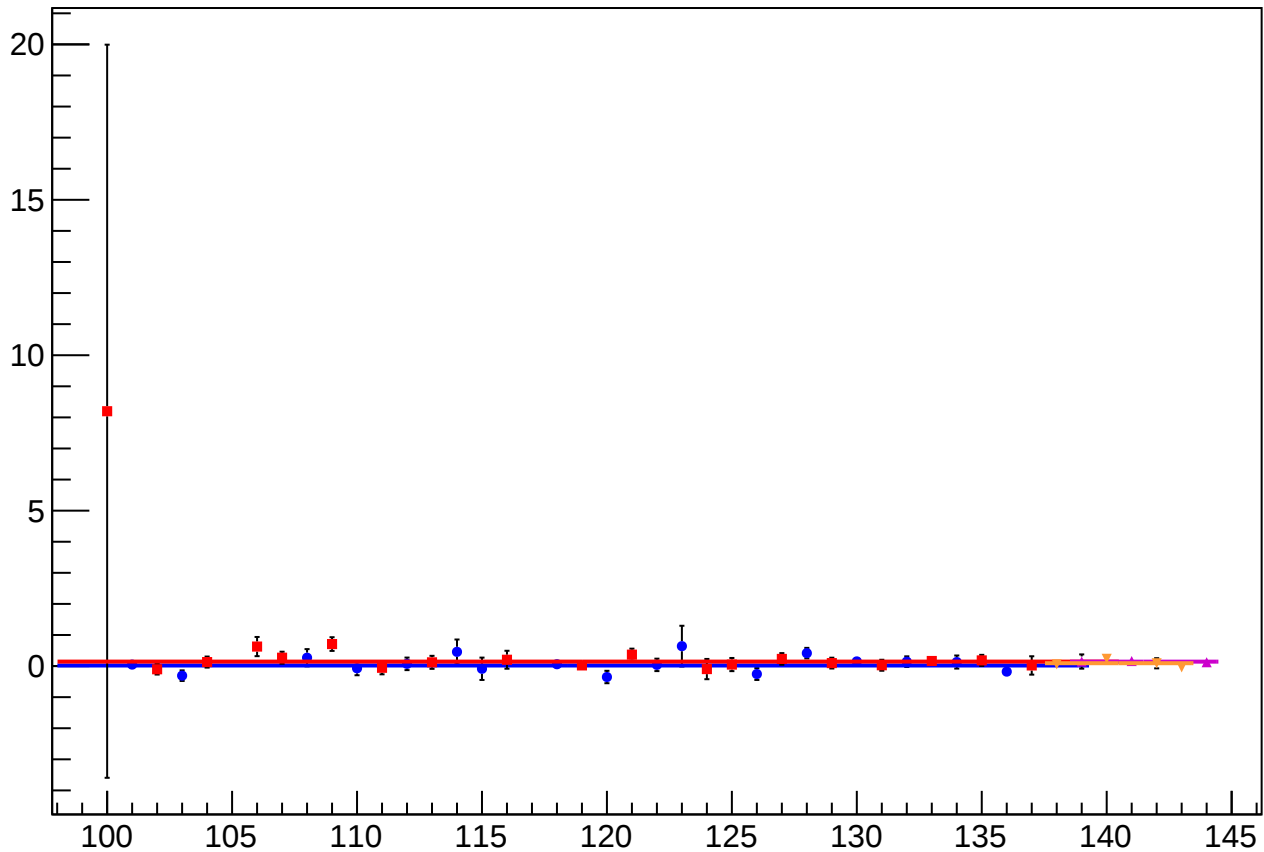
Left In: -0.012 ± 0.087 χ^2/NDF : 0.3/2

+ sign -0.132 ± 0.052 χ^2/NDF : 27.4/20

All: -0.119 ± 0.038 χ^2/NDF : 44.1/42

- sign -0.103 ± 0.055 χ^2/NDF : 16.5/21

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.019 $\pm$ 0.043 χ^2 /NDF: 21.6/16

Left Out: 0.092 $\pm$ 0.073 χ^2 /NDF: 2.1/3

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 16.8/18

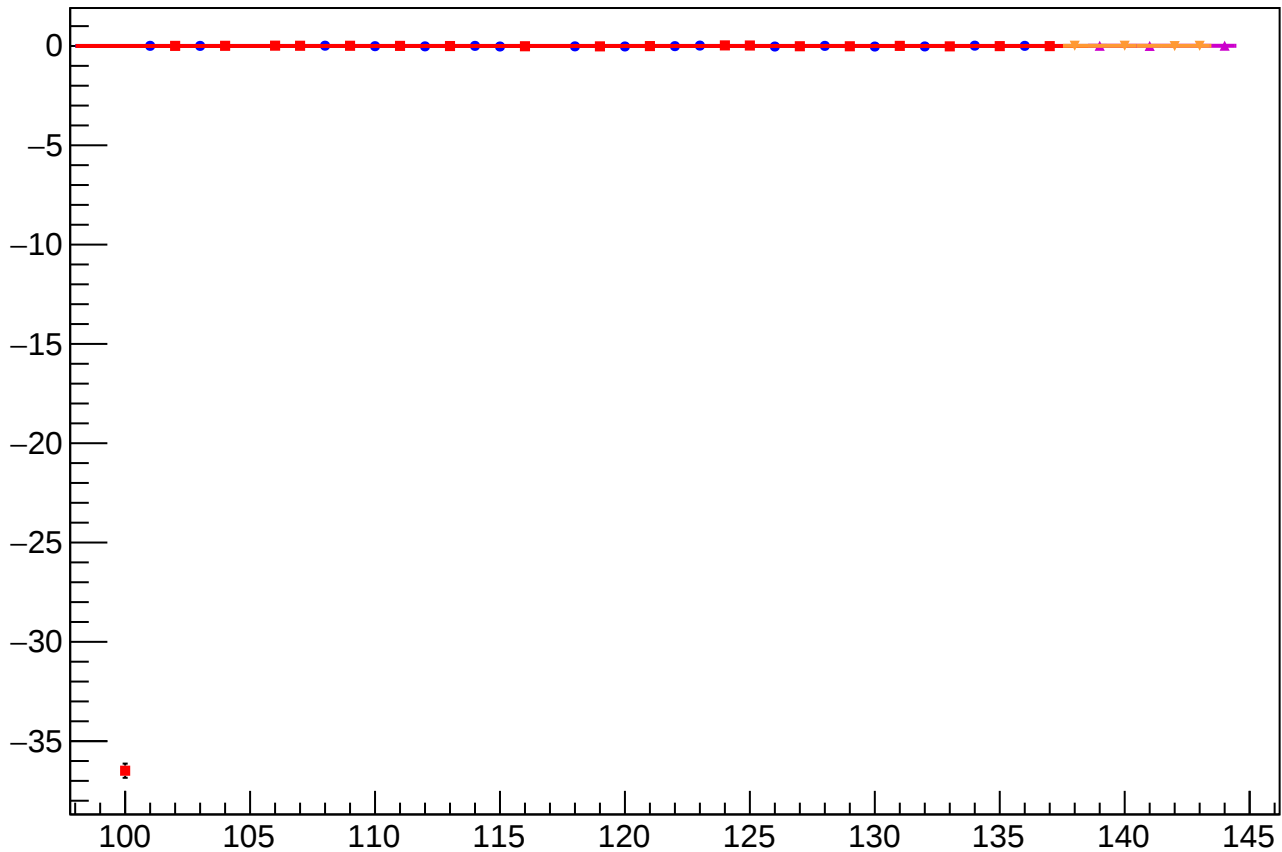
Left In: 0.143 $\pm$ 0.082 χ^2 /NDF: 0.0/2

+ sign 0.037 $\pm$ 0.037 χ^2 /NDF: 24.5/20

All: 0.086 $\pm$ 0.027 χ^2 /NDF: 45.2/42

- sign 0.144 $\pm$ 0.040 χ^2 /NDF: 16.9/21

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.5/16

Left Out: 0.009 $\pm$ 0.003 χ^2 /NDF: 3.2/3

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.2/18

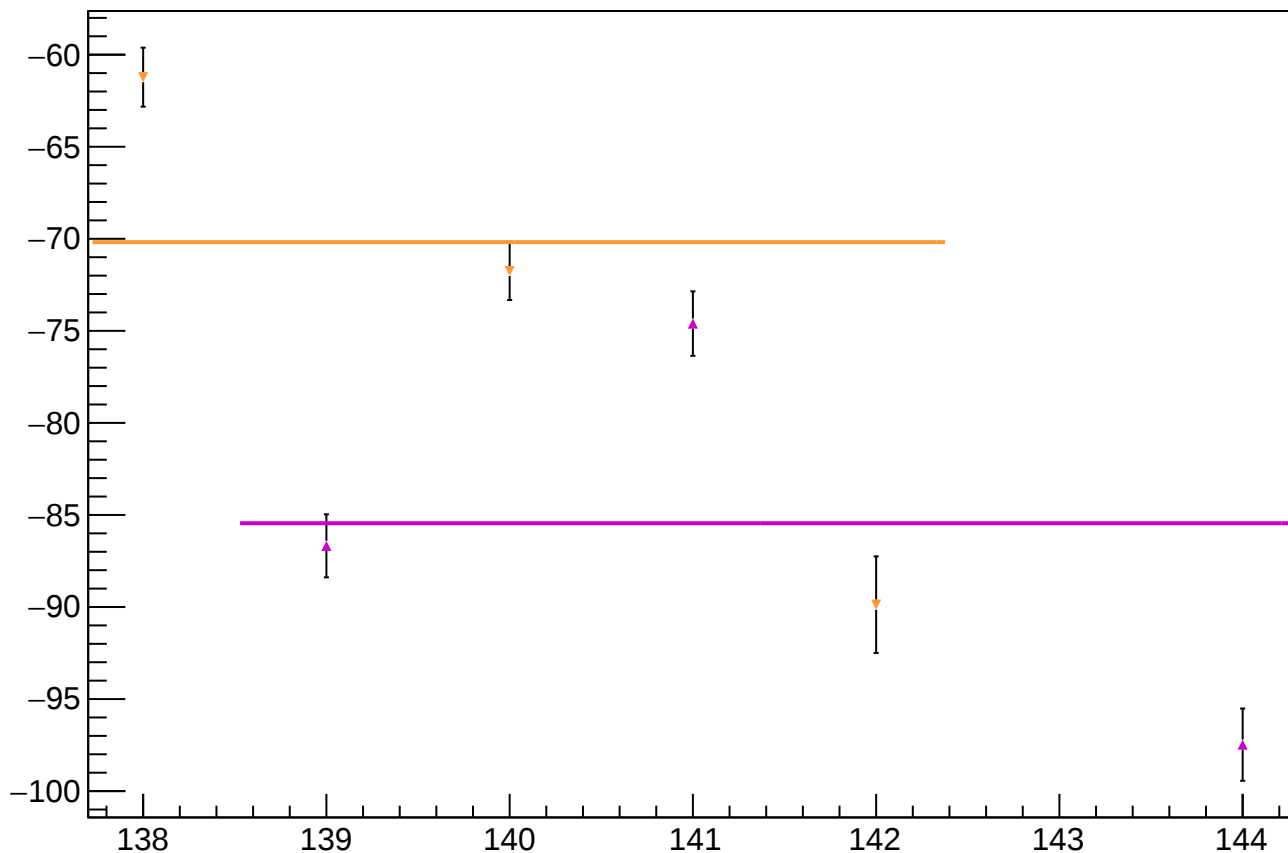
Left In: 0.010 $\pm$ 0.003 χ^2 /NDF: 1.7/2

+ sign 0.004 $\pm$ 0.002 χ^2 /NDF: 37.3/20

All: 0.004 $\pm$ 0.001 χ^2 /NDF: 10493.5/42

- sign 0.004 $\pm$ 0.002 χ^2 /NDF: 10456.2/21

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -70.180+/-1.032 χ^2/NDF : 88.6/2

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

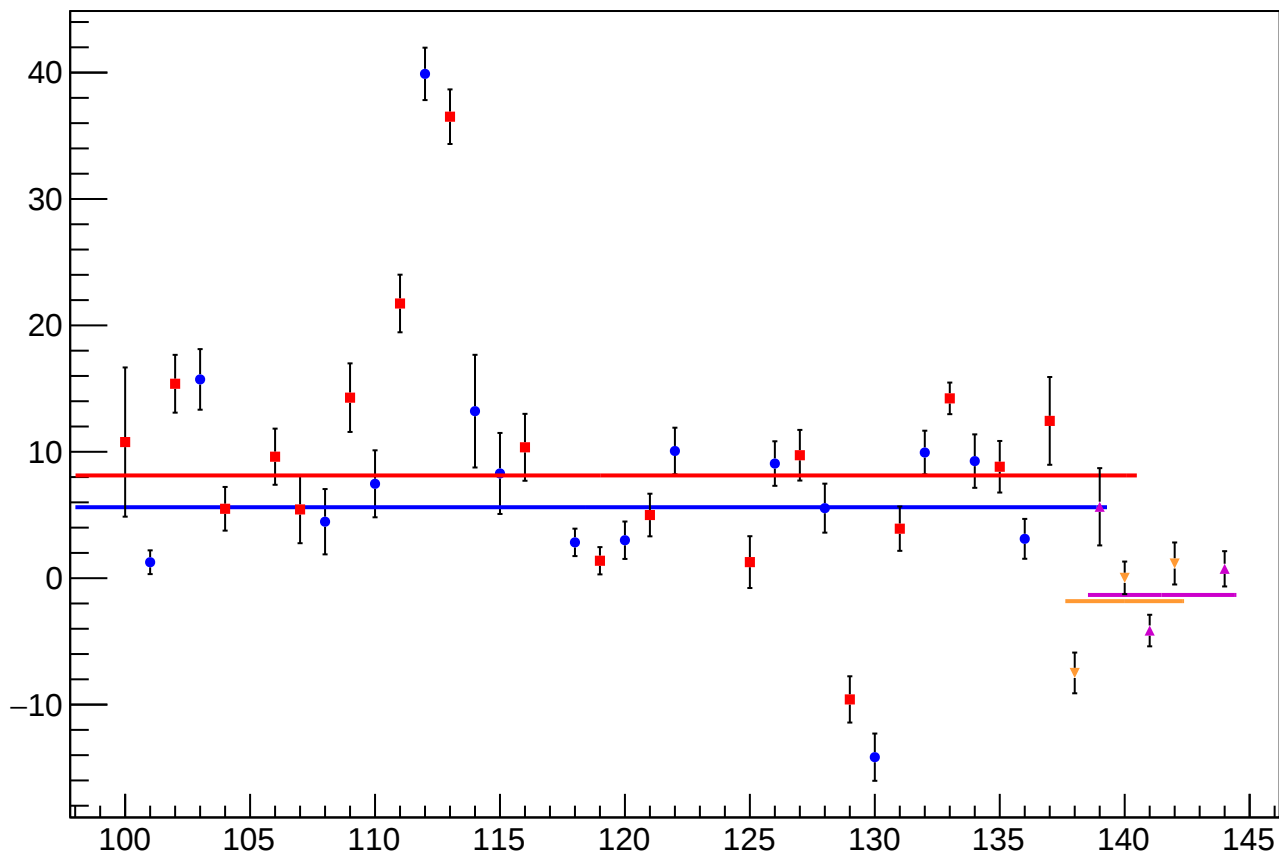
Left In: -85.449+/-1.039 χ^2/NDF : 76.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -77.766+/-0.732 χ^2/NDF : 273.6/5

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.615 ± 0.430 χ^2/NDF : 460.0/15

Left Out: -1.816 ± 0.861 χ^2/NDF : 17.7/2

Right Out: 8.129 ± 0.453 χ^2/NDF : 407.7/17

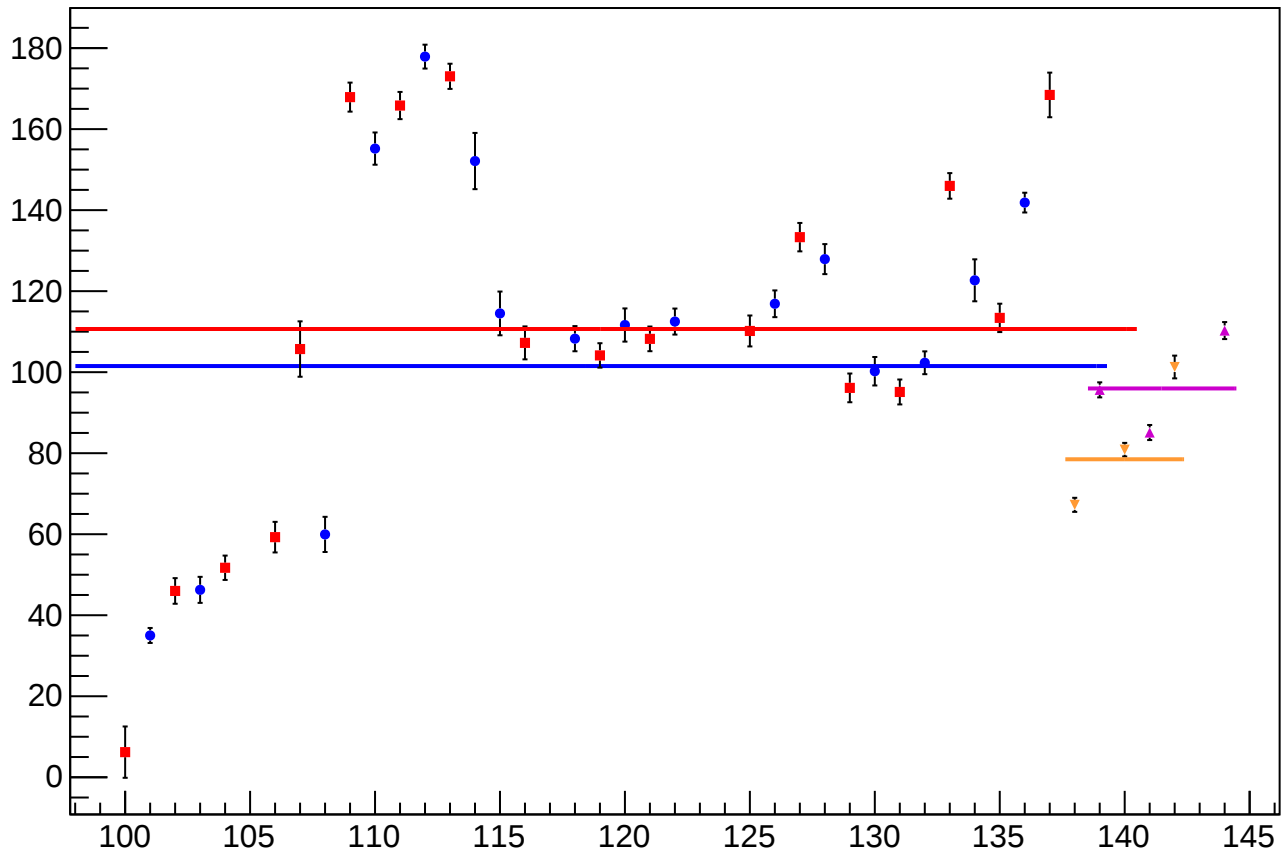
Left In: -1.325 ± 0.890 χ^2/NDF : 12.5/2

+ sign 4.132 ± 0.385 χ^2/NDF : 537.3/18

All: 5.107 ± 0.278 χ^2/NDF : 1060.6/39

- sign 6.183 ± 0.404 χ^2/NDF : 509.7/20

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.513 $\pm$ 0.813 χ^2/NDF : 2973.2/15

Left Out: 78.500 $\pm$ 1.108 χ^2/NDF :109.7/2

Right Out: 110.660 $\pm$ 0.838 χ^2/NDF : 2514.2/17

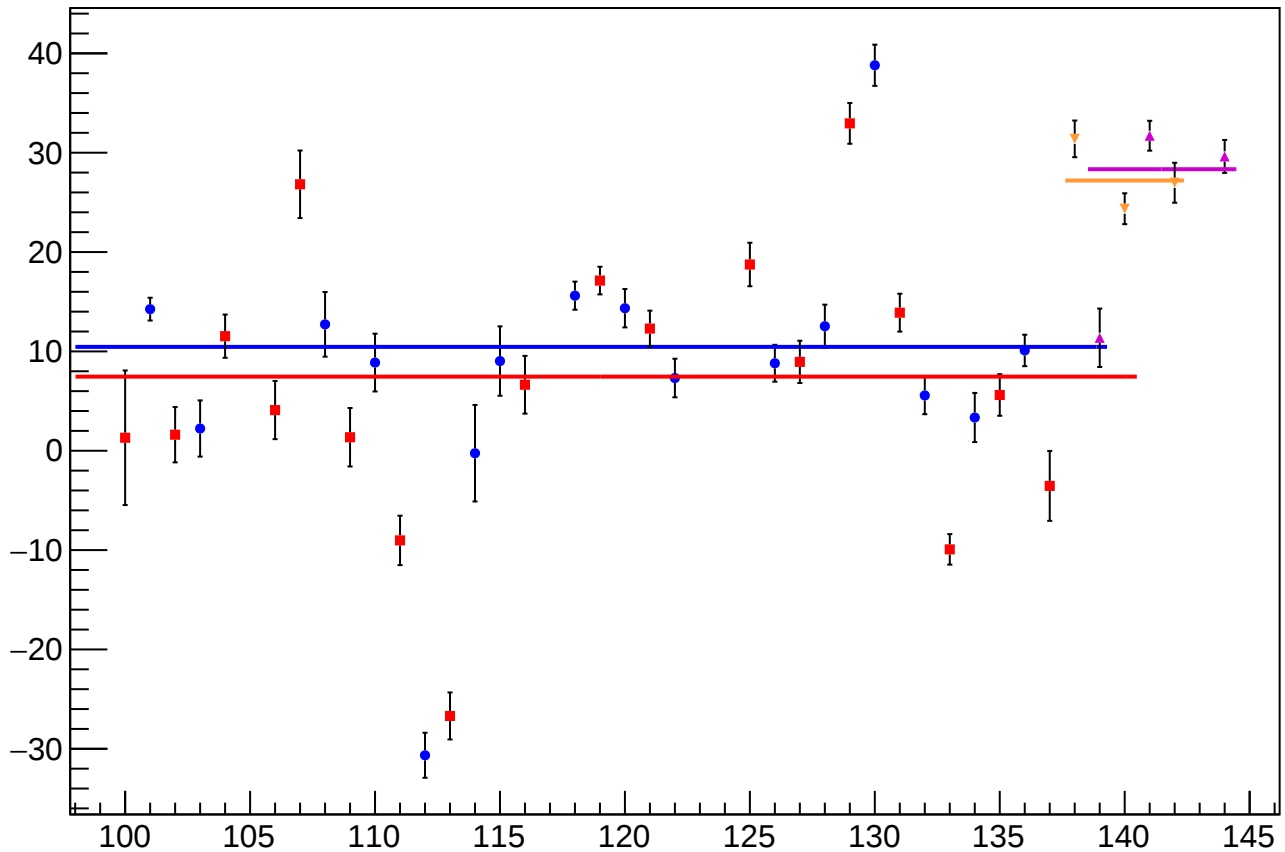
Left In: 95.981 $\pm$ 1.114 χ^2/NDF :80.5/2

+ sign 93.455 $\pm$ 0.656 χ^2/NDF : 3363.1/18

All: 99.285 $\pm$ 0.468 χ^2/NDF : 6230.1/39

- sign 105.362 $\pm$ 0.669 χ^2/NDF : 2705.6/20

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.455 ± 0.498 $\chi^2/\text{NDF}: 577.9/15$

Left Out: 27.202 ± 1.024 $\chi^2/\text{NDF}: 8.5/2$

Right Out: 7.460 ± 0.524 $\chi^2/\text{NDF}: 686.5/17$

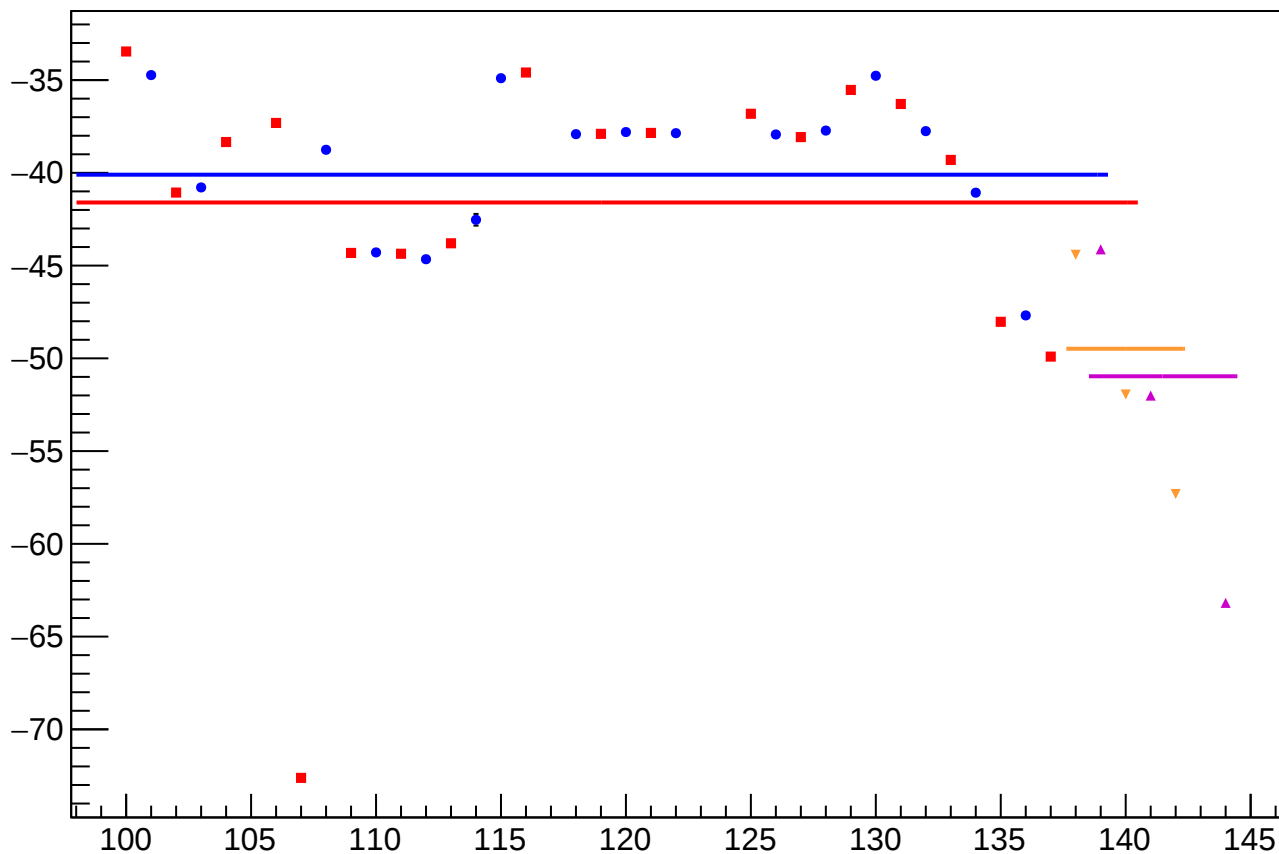
Left In: 28.338 ± 1.041 $\chi^2/\text{NDF}: 38.9/2$

+ sign 13.662 ± 0.448 $\chi^2/\text{NDF}: 802.8/18$

All: 12.716 ± 0.324 $\chi^2/\text{NDF}: 1858.5/39$

- sign 11.684 ± 0.468 $\chi^2/\text{NDF}: 1046.4/20$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.100 ± 0.028 $\chi^2/\text{NDF}: 25059.4/15$

Left Out: -49.483 ± 0.046 $\chi^2/\text{NDF}: 11383.6/2$

Right Out: -41.598 ± 0.029 $\chi^2/\text{NDF}: 61674.8/17$

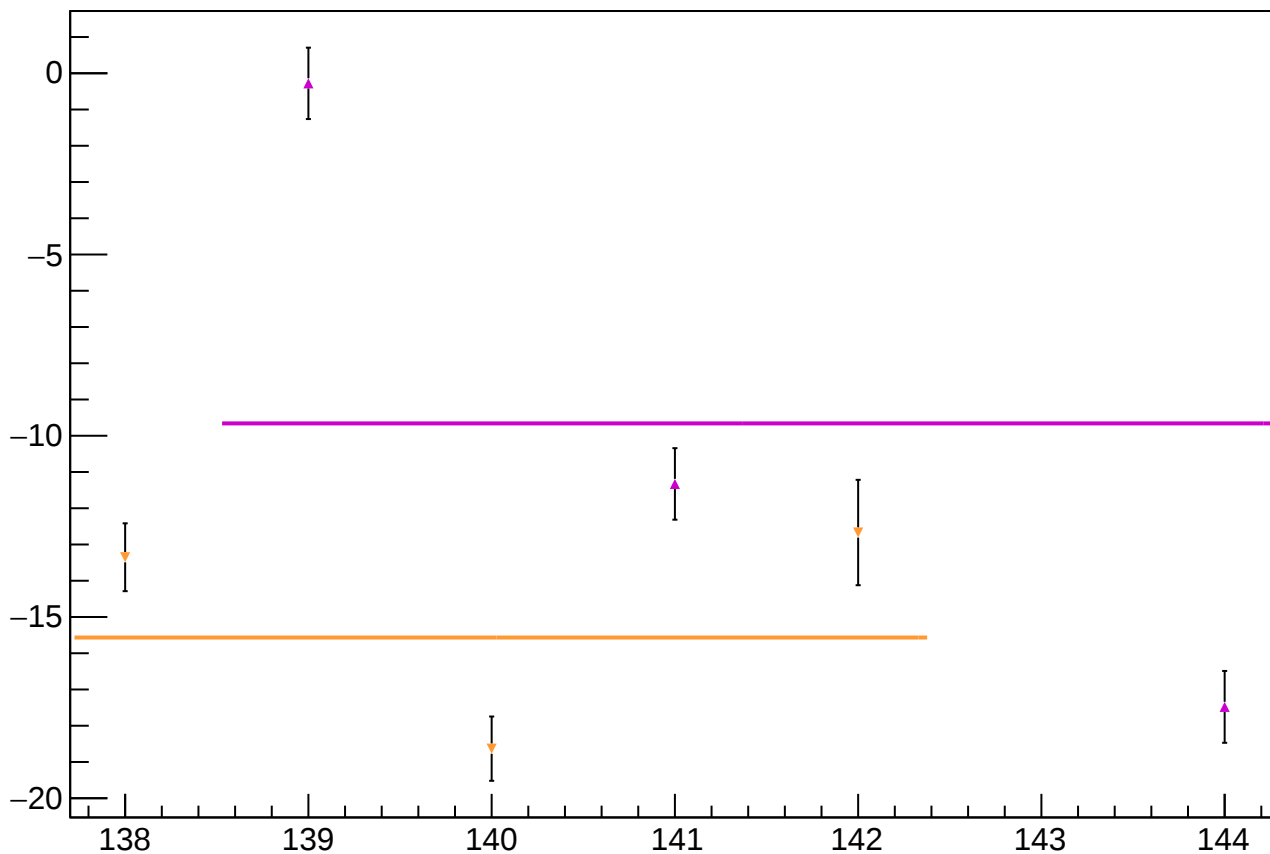
Left In: -50.967 ± 0.043 $\chi^2/\text{NDF}: 28904.5/2$

+ sign -42.698 ± 0.024 $\chi^2/\text{NDF}: 66791.8/18$

All: -43.577 ± 0.017 $\chi^2/\text{NDF}: 192492.1/39$

- sign -44.440 ± 0.024 $\chi^2/\text{NDF}: 123067.0/20$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -15.566 $\pm$ 0.589 χ^2 /NDF: 21.5/2

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

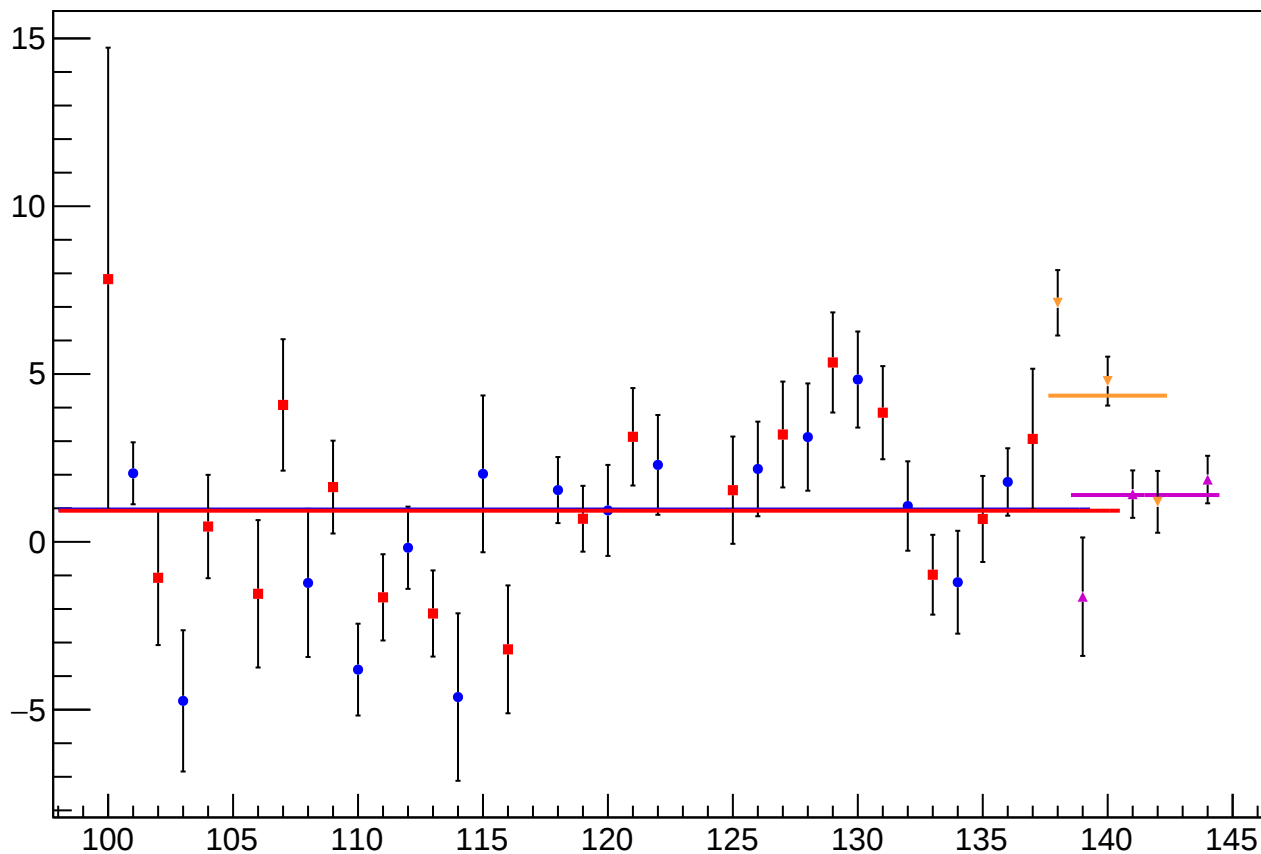
Left In: -9.659 $\pm$ 0.570 χ^2 /NDF: 155.9/2

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

All: -12.519 $\pm$ 0.409 χ^2 /NDF: 229.4/5

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

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.963 ± 0.342 $\chi^2/\text{NDF}: 41.6/15$

Left Out: 4.357 ± 0.493 $\chi^2/\text{NDF}: 20.2/2$

Right Out: 0.929 ± 0.354 $\chi^2/\text{NDF}: 42.1/17$

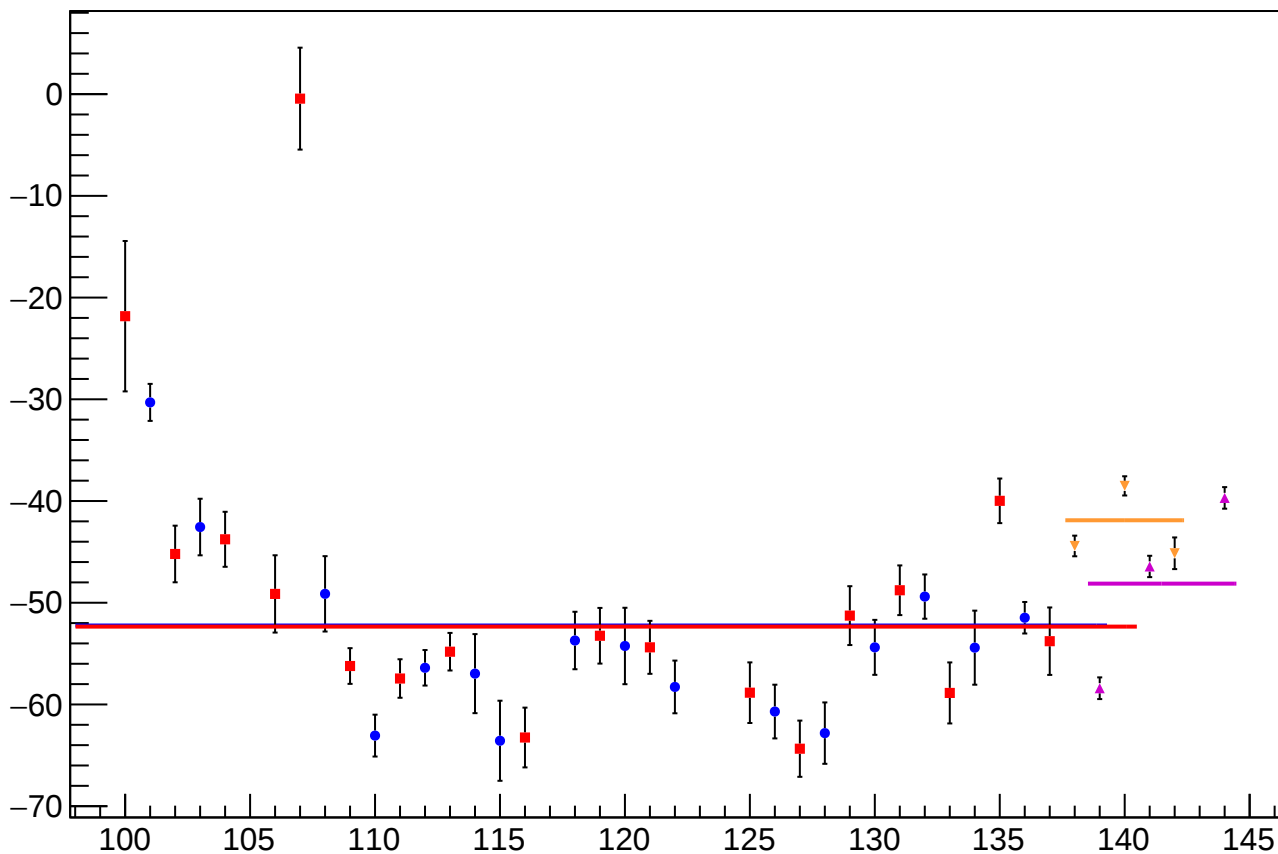
Left In: 1.395 ± 0.481 $\chi^2/\text{NDF}: 3.4/2$

+ sign 2.066 ± 0.281 $\chi^2/\text{NDF}: 93.8/18$

All: 1.586 ± 0.200 $\chi^2/\text{NDF}: 145.8/39$

- sign 1.093 ± 0.285 $\chi^2/\text{NDF}: 46.0/20$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.238 ± 0.616 χ^2/NDF : 232.7/15

Left Out: -41.893 ± 0.632 χ^2/NDF : 23.4/2

Right Out: -52.347 ± 0.617 χ^2/NDF : 232.8/17

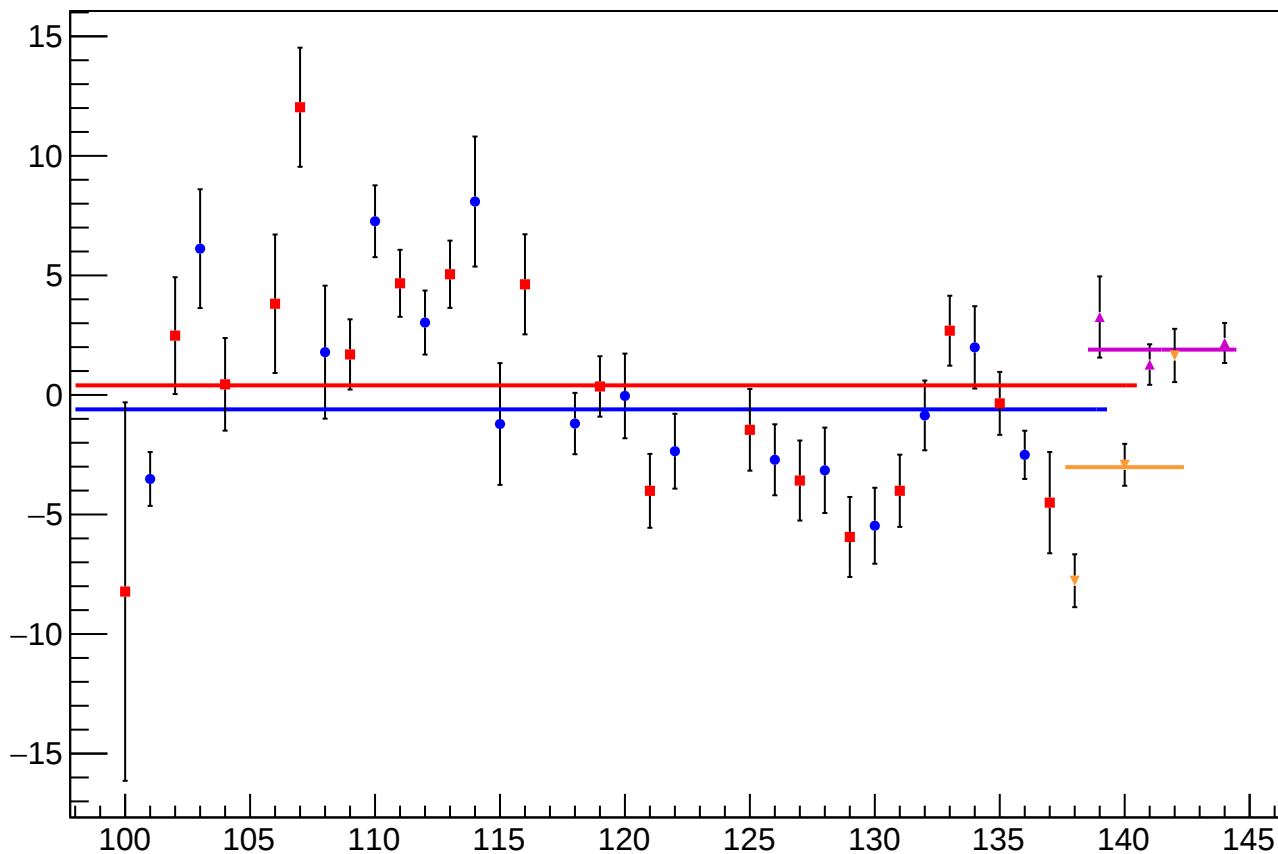
Left In: -48.122 ± 0.611 χ^2/NDF : 158.7/2

+ sign -47.199 ± 0.441 χ^2/NDF : 393.6/18

All: -48.730 ± 0.309 χ^2/NDF : 832.5/39

- sign -50.215 ± 0.434 χ^2/NDF : 415.2/20

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.603 ± 0.388 χ^2/NDF : 80.7/15

Left Out: -3.019 ± 0.584 χ^2/NDF : 36.1/2

Right Out: 0.401 ± 0.400 χ^2/NDF : 96.2/17

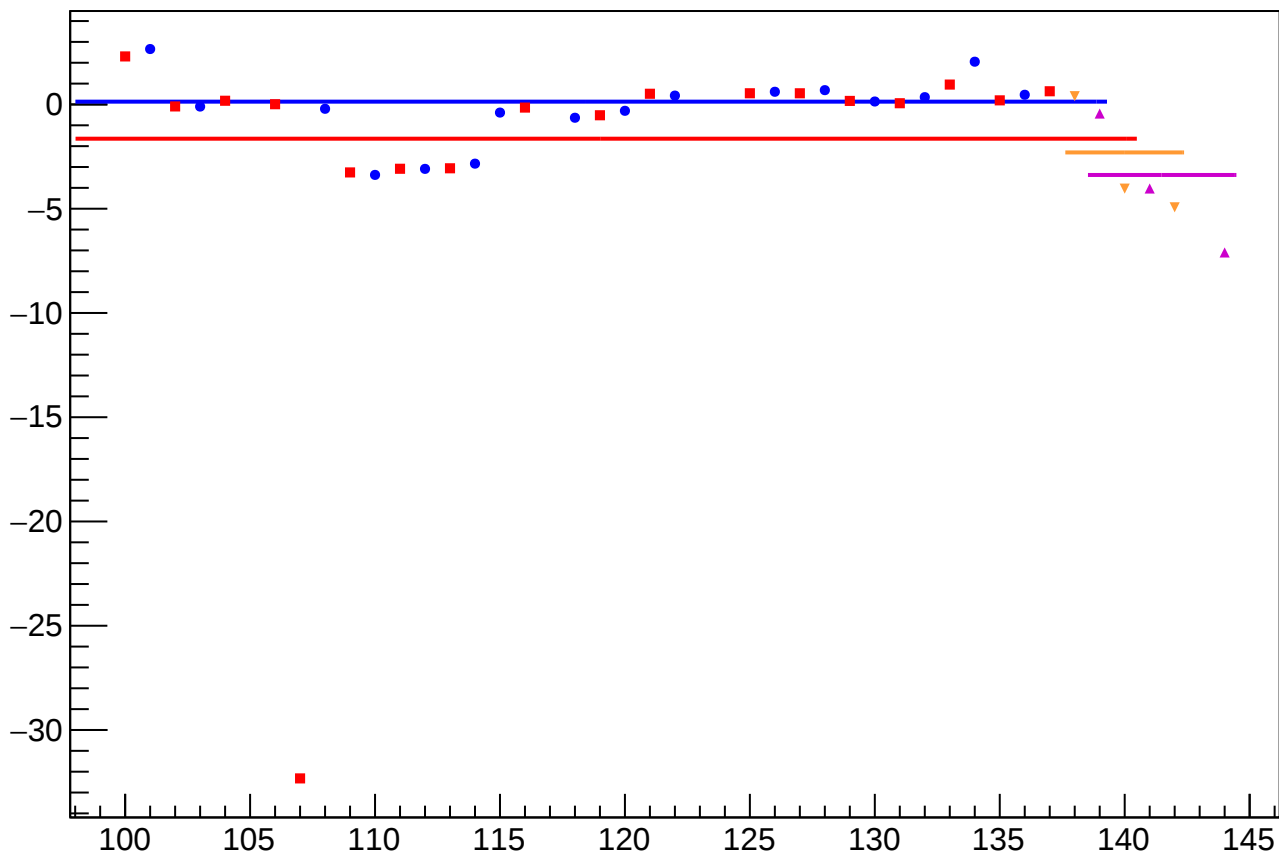
Left In: 1.896 ± 0.562 χ^2/NDF : 1.3/2

+ sign -1.341 ± 0.323 χ^2/NDF : 128.6/18

All: -0.229 ± 0.229 χ^2/NDF : 254.7/39

- sign 0.903 ± 0.326 χ^2/NDF : 102.1/20

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.135 ± 0.022 χ^2/NDF : 5228.3/15

Left Out: -2.301 ± 0.026 χ^2/NDF : 8191.7/2

Right Out: -1.642 ± 0.022 χ^2/NDF : 77830.5/17

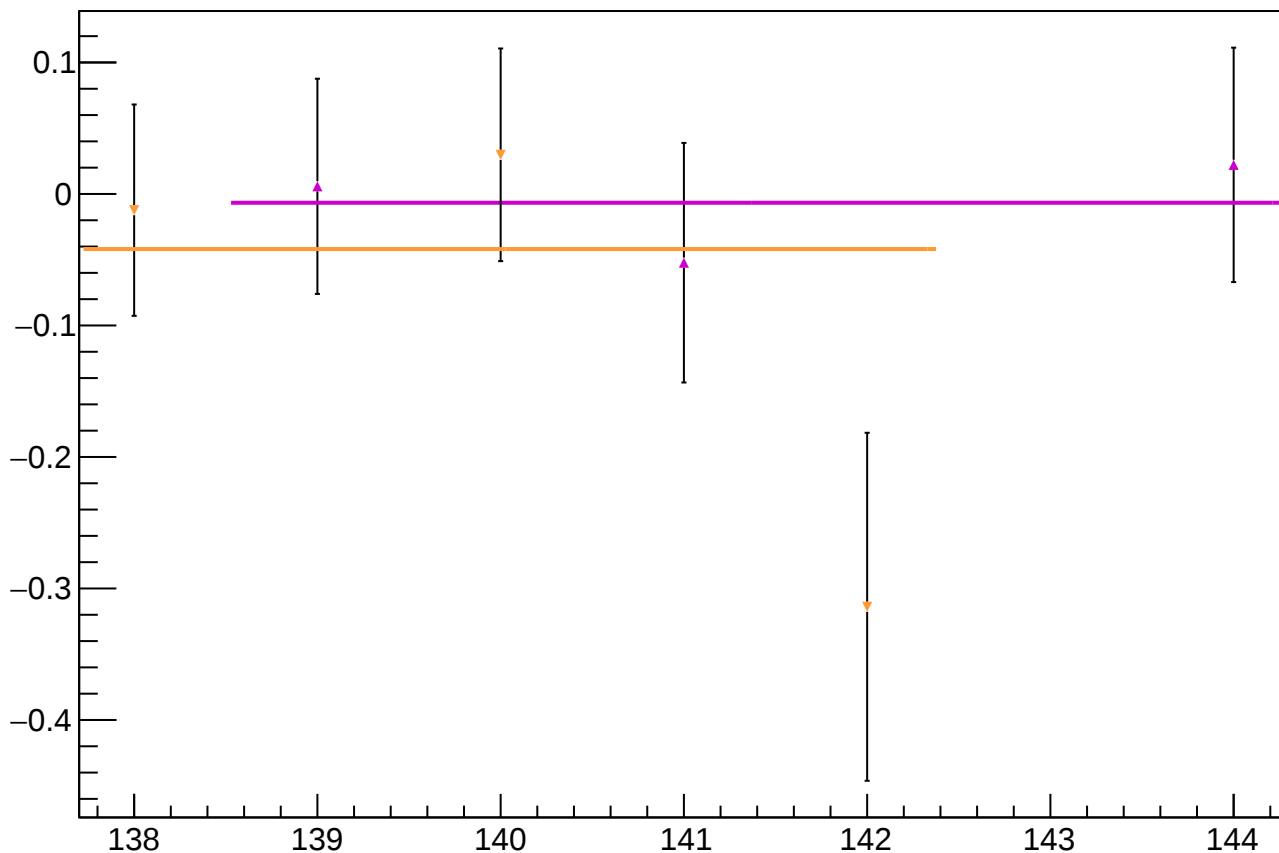
Left In: -3.382 ± 0.024 χ^2/NDF : 12841.6/2

+ sign -0.862 ± 0.017 χ^2/NDF : 18629.6/18

All: -1.667 ± 0.012 χ^2/NDF : 116768.7/39

- sign -2.431 ± 0.016 χ^2/NDF : 93545.6/20

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.042+/-0.052 χ^2/NDF : 5.1/2

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

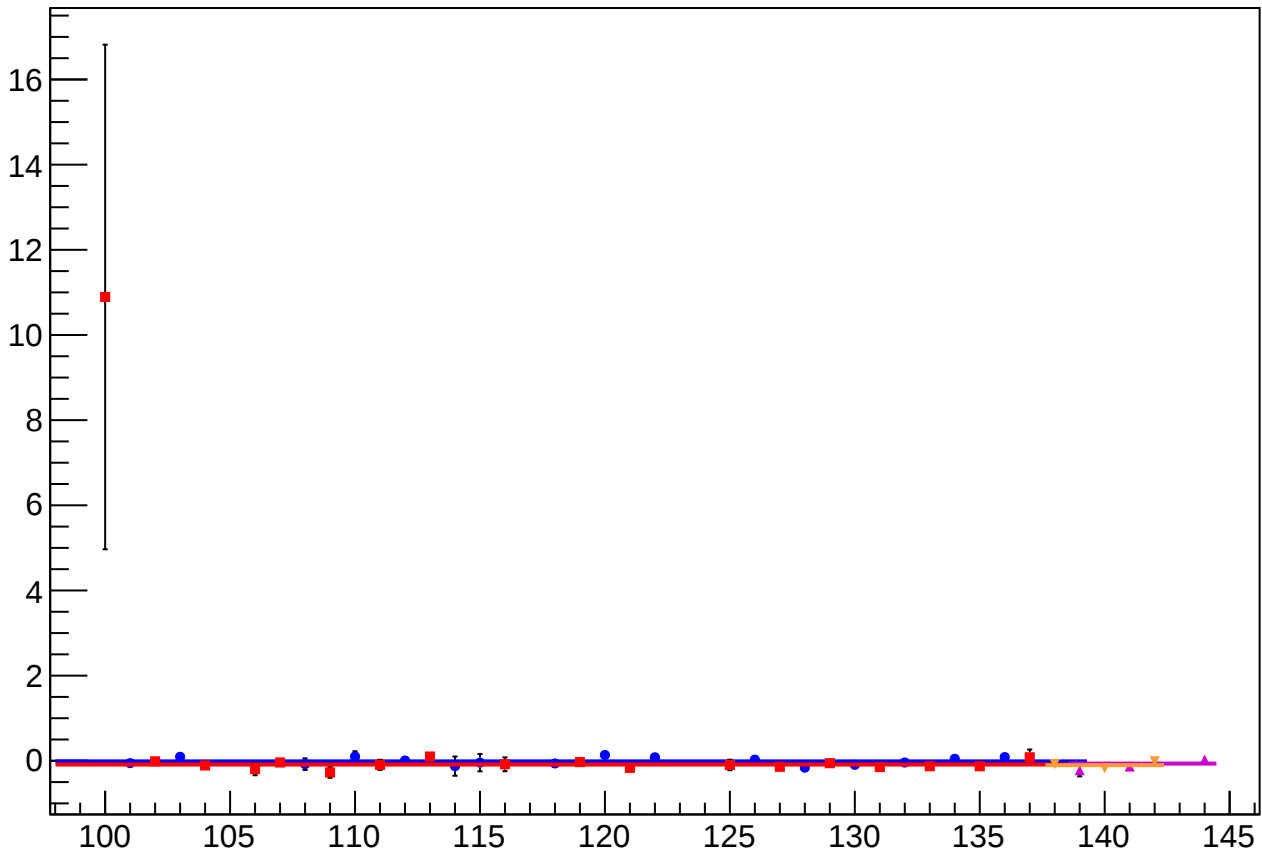
Left In: -0.007+/-0.050 χ^2/NDF : 0.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.024+/-0.036 χ^2/NDF : 5.8/5

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 12.0/15

Left Out: -0.103 ± 0.045 χ^2/NDF : 2.5/2

Right Out: -0.088 ± 0.025 χ^2/NDF : 12.9/17

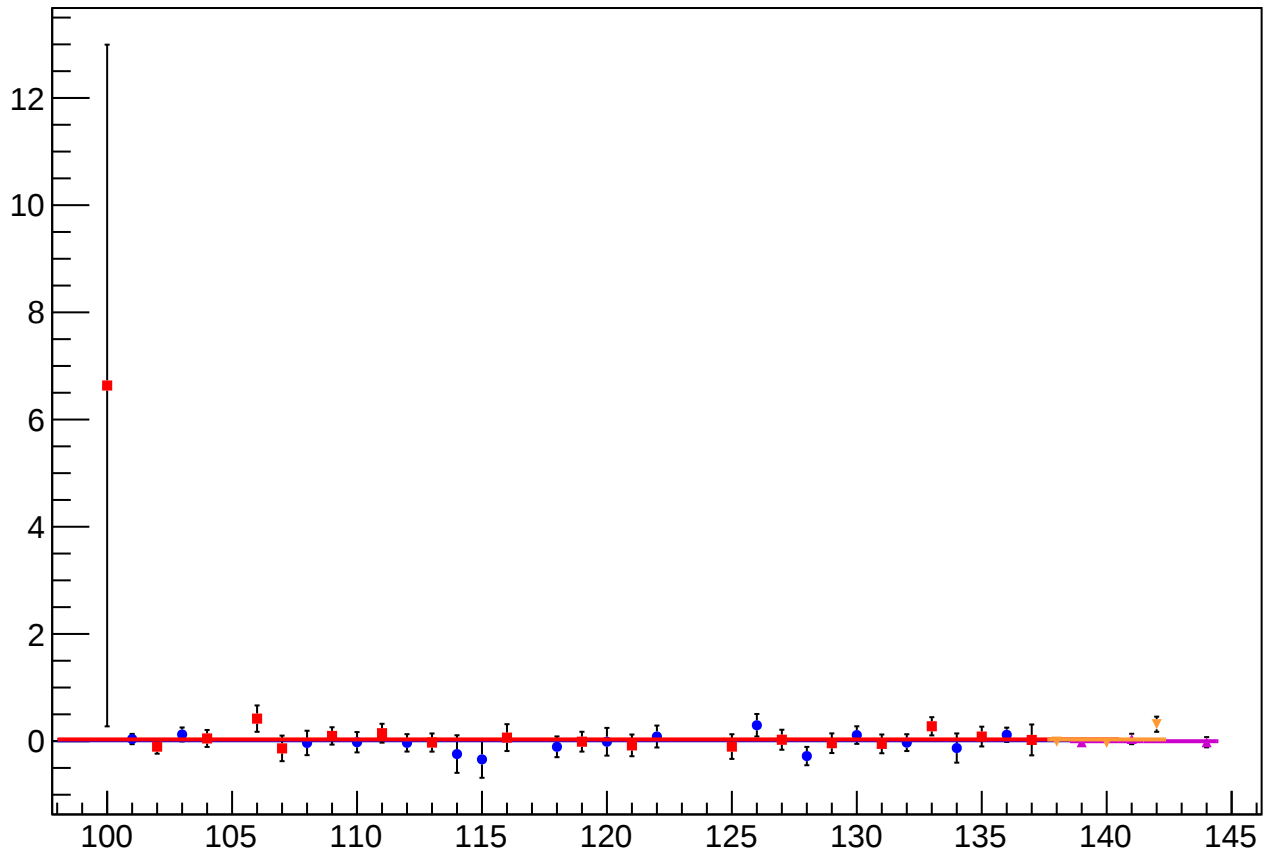
Left In: -0.065 ± 0.044 χ^2/NDF : 4.4/2

+ sign -0.033 ± 0.021 χ^2/NDF : 17.7/18

All: -0.057 ± 0.015 χ^2/NDF : 37.9/39

- sign -0.082 ± 0.022 χ^2/NDF : 17.5/20

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2/NDF : 9.1/15

Left Out: 0.032 $\pm$ 0.056 χ^2/NDF : 4.8/2

Right Out: 0.032 $\pm$ 0.045 χ^2/NDF : 9.1/17

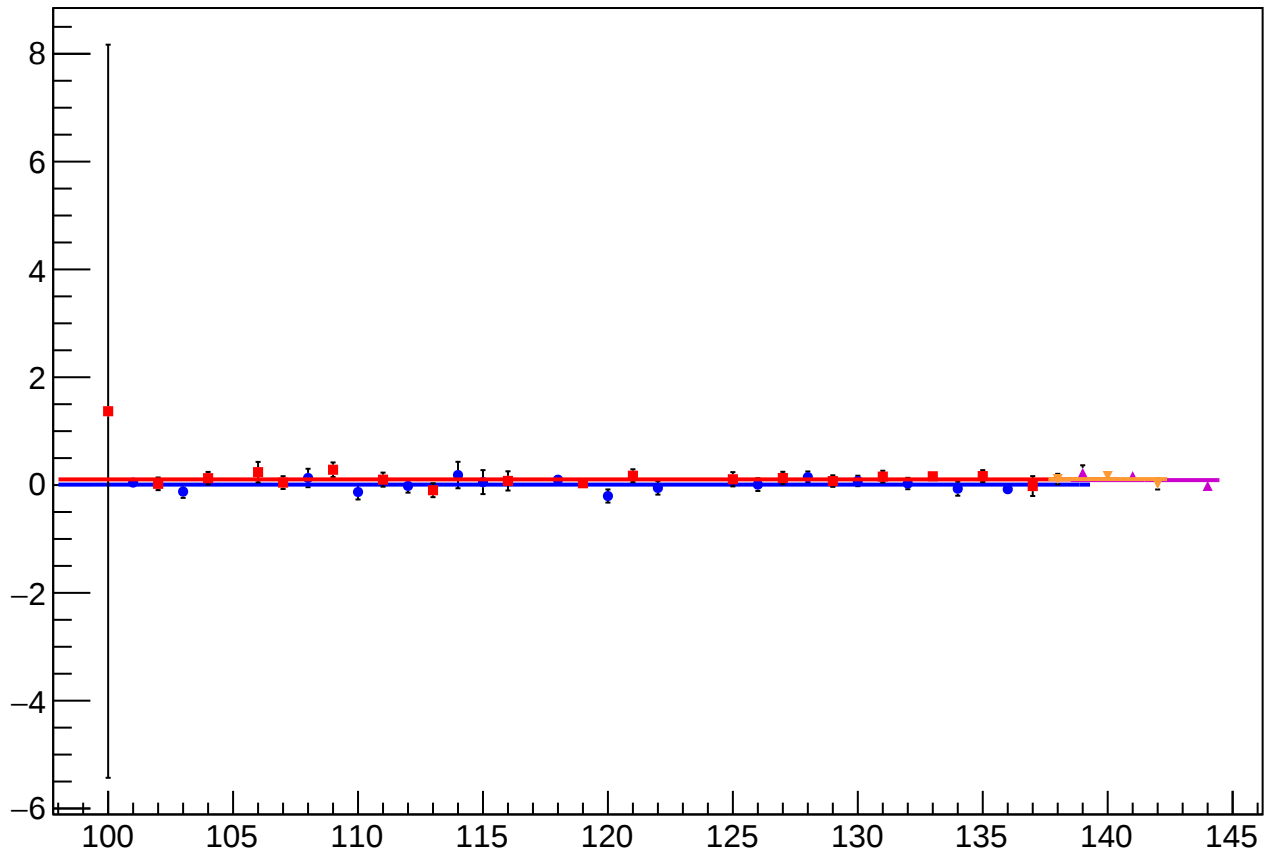
Left In: -0.002 $\pm$ 0.054 χ^2/NDF : 0.3/2

+ sign 0.022 $\pm$ 0.034 χ^2/NDF : 14.0/18

All: 0.020 $\pm$ 0.024 χ^2/NDF : 23.5/39

- sign 0.018 $\pm$ 0.035 χ^2/NDF : 9.6/20

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 ± 0.027 χ^2/NDF : 11.7/15

Left Out: 0.110 ± 0.053 χ^2/NDF : 1.3/2

Right Out: 0.105 ± 0.029 χ^2/NDF : 8.1/17

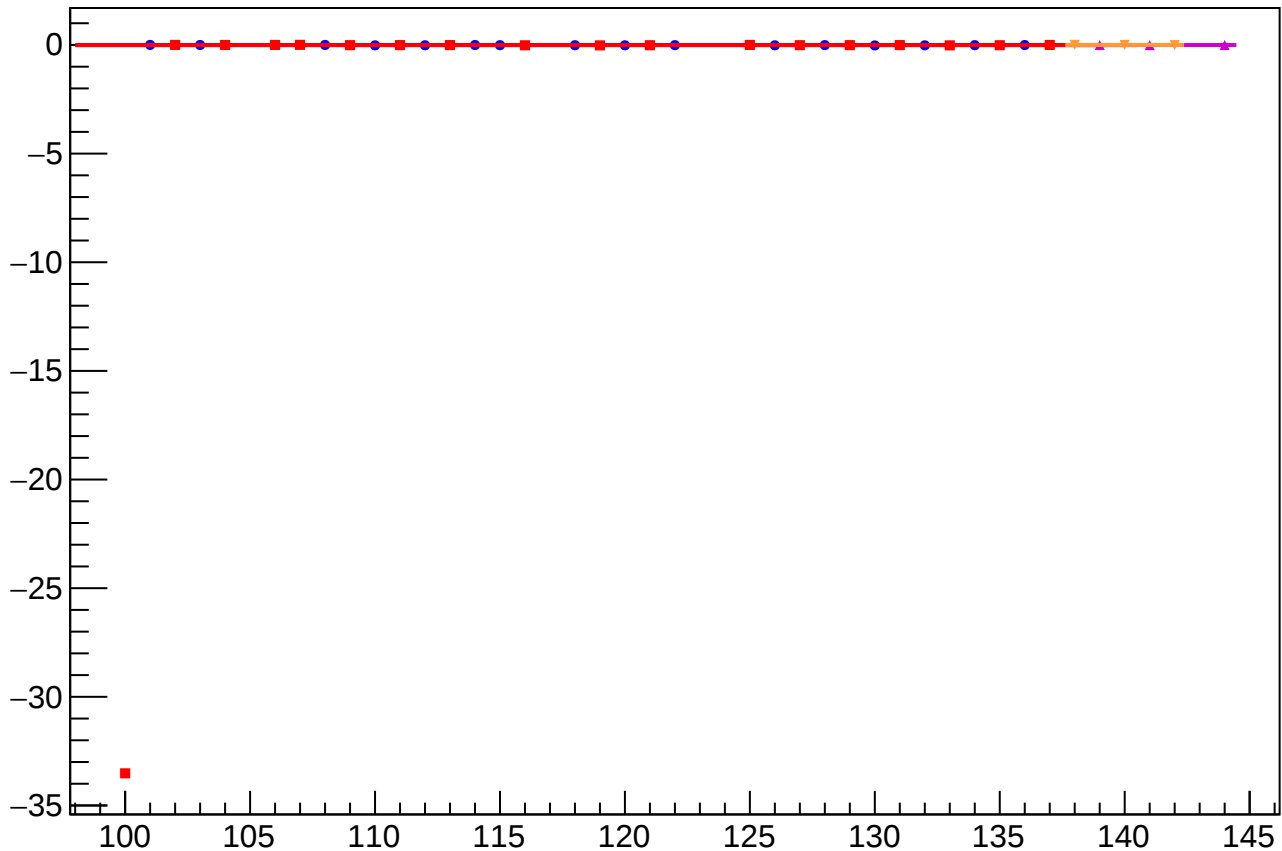
Left In: 0.092 ± 0.051 χ^2/NDF : 3.8/2

+ sign 0.030 ± 0.024 χ^2/NDF : 16.0/18

All: 0.064 ± 0.017 χ^2/NDF : 32.3/39

- sign 0.102 ± 0.025 χ^2/NDF : 12.0/20

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 21.5/15

Left Out: 0.001 ± 0.002 χ^2/NDF : 4.0/2

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.9/17

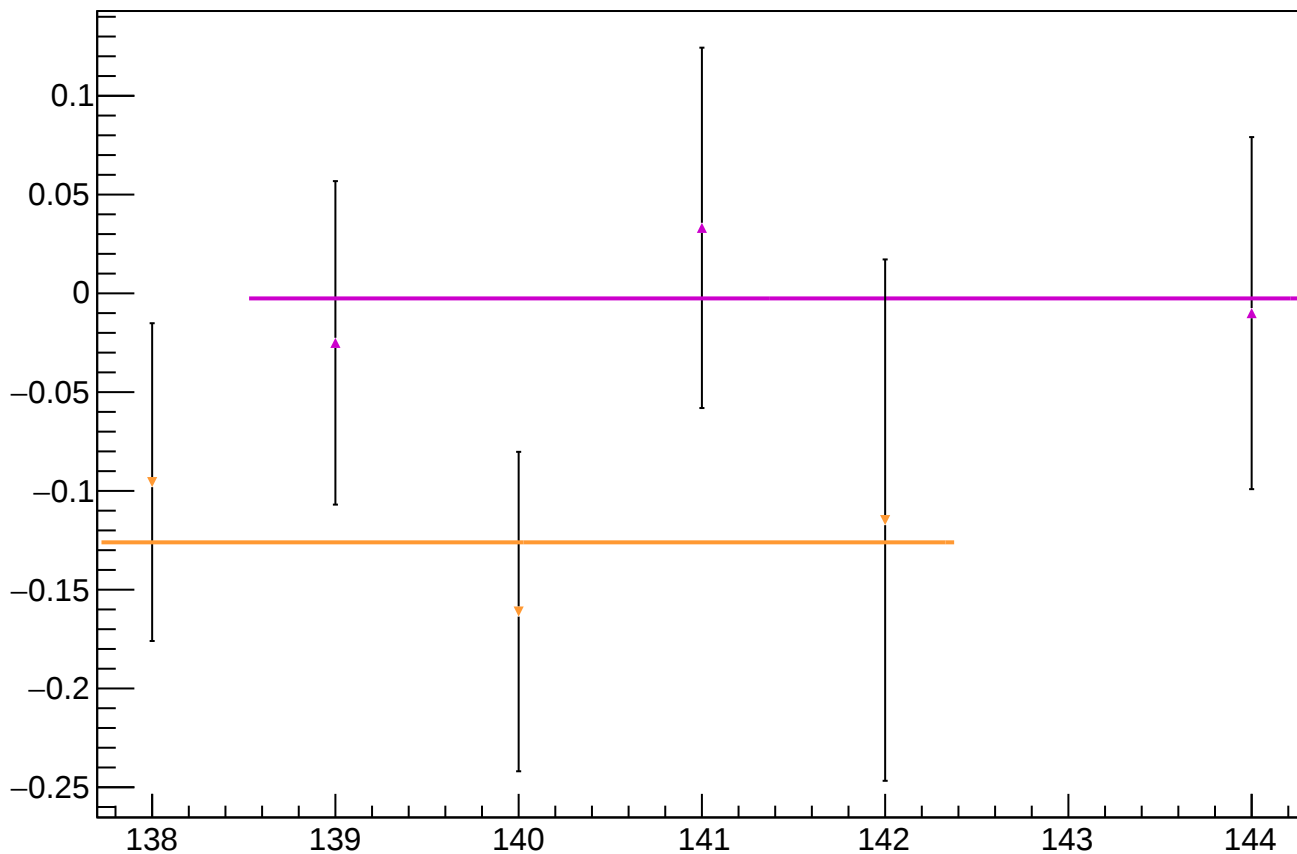
Left In: -0.003 ± 0.002 χ^2/NDF : 1.4/2

+ sign -0.003 ± 0.001 χ^2/NDF : 31.6/18

All: -0.004 ± 0.001 χ^2/NDF : 26543.9/39

- sign -0.005 ± 0.001 χ^2/NDF : 26511.5/20

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.126±/-0.052 χ^2 /NDF: 0.3/2

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

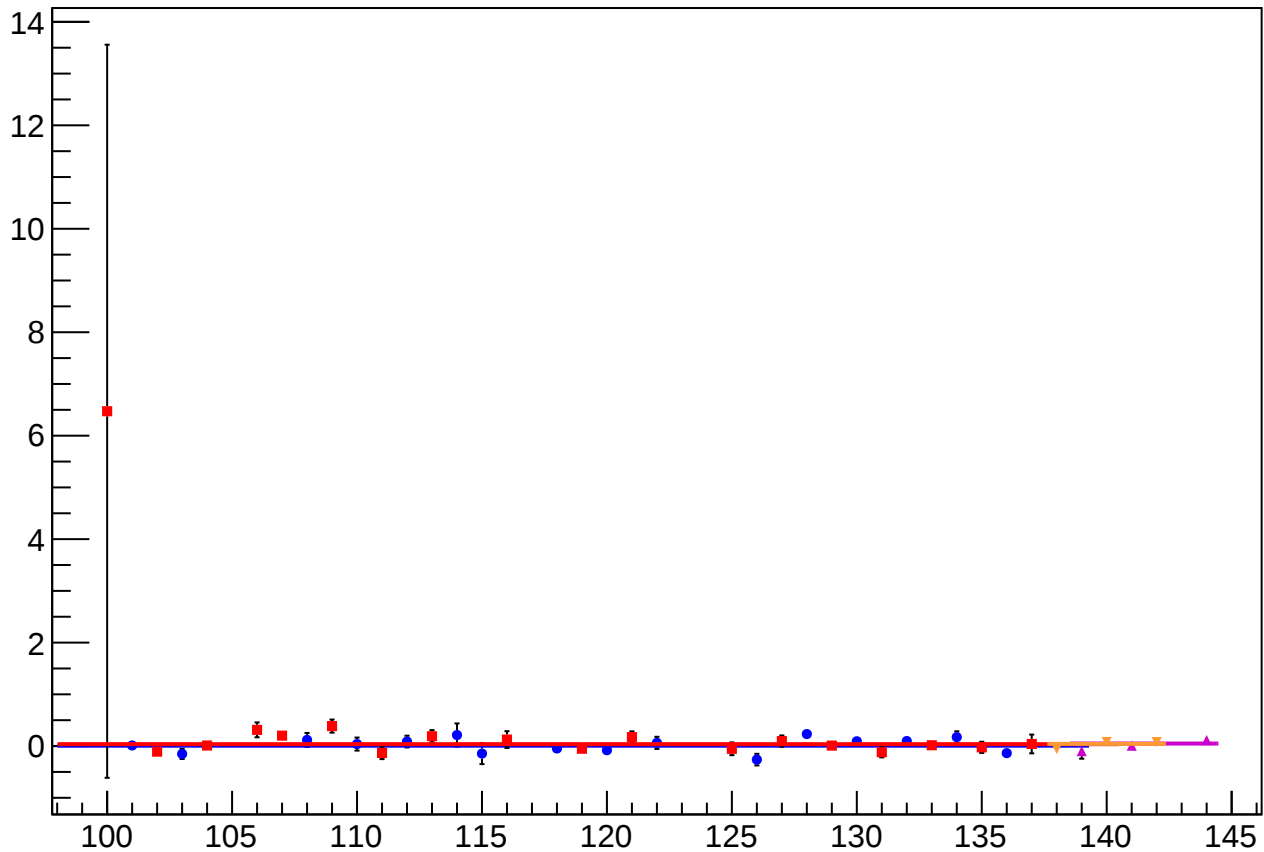
Left In: -0.003±/-0.050 χ^2 /NDF: 0.2/2

+ sign 0.000±/-0.000 χ^2 /NDF: 0.0/0

All: -0.062±/-0.036 χ^2 /NDF: 3.5/5

- sign 0.000±/-0.000 χ^2 /NDF: 0.0/0

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 $\pm$ 0.023 χ^2 /NDF: 25.1/15

Left Out: 0.042 $\pm$ 0.045 χ^2 /NDF: 1.8/2

Right Out: 0.037 $\pm$ 0.025 χ^2 /NDF: 28.7/17

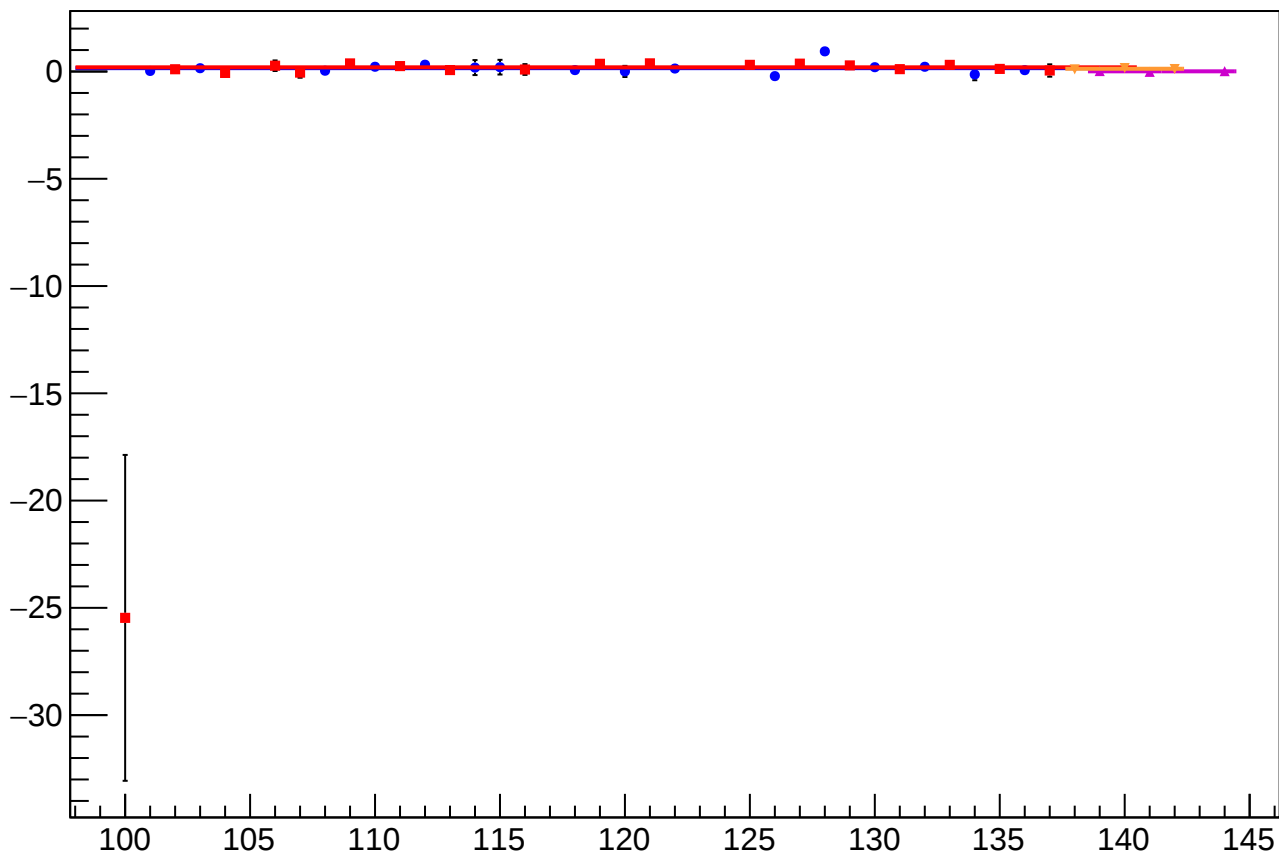
Left In: 0.049 $\pm$ 0.044 χ^2 /NDF: 2.5/2

+ sign 0.015 $\pm$ 0.021 χ^2 /NDF: 27.4/18

All: 0.027 $\pm$ 0.015 χ^2 /NDF: 59.3/39

- sign 0.039 $\pm$ 0.022 χ^2 /NDF: 31.3/20

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 ± 0.043 χ^2/NDF : 29.7/15

Left Out: 0.129 ± 0.056 χ^2/NDF : 0.3/2

Right Out: 0.195 ± 0.045 χ^2/NDF : 22.0/17

Left In: 0.009 ± 0.054 χ^2/NDF : 0.1/2

+ sign 0.146 ± 0.034 χ^2/NDF : 30.1/18

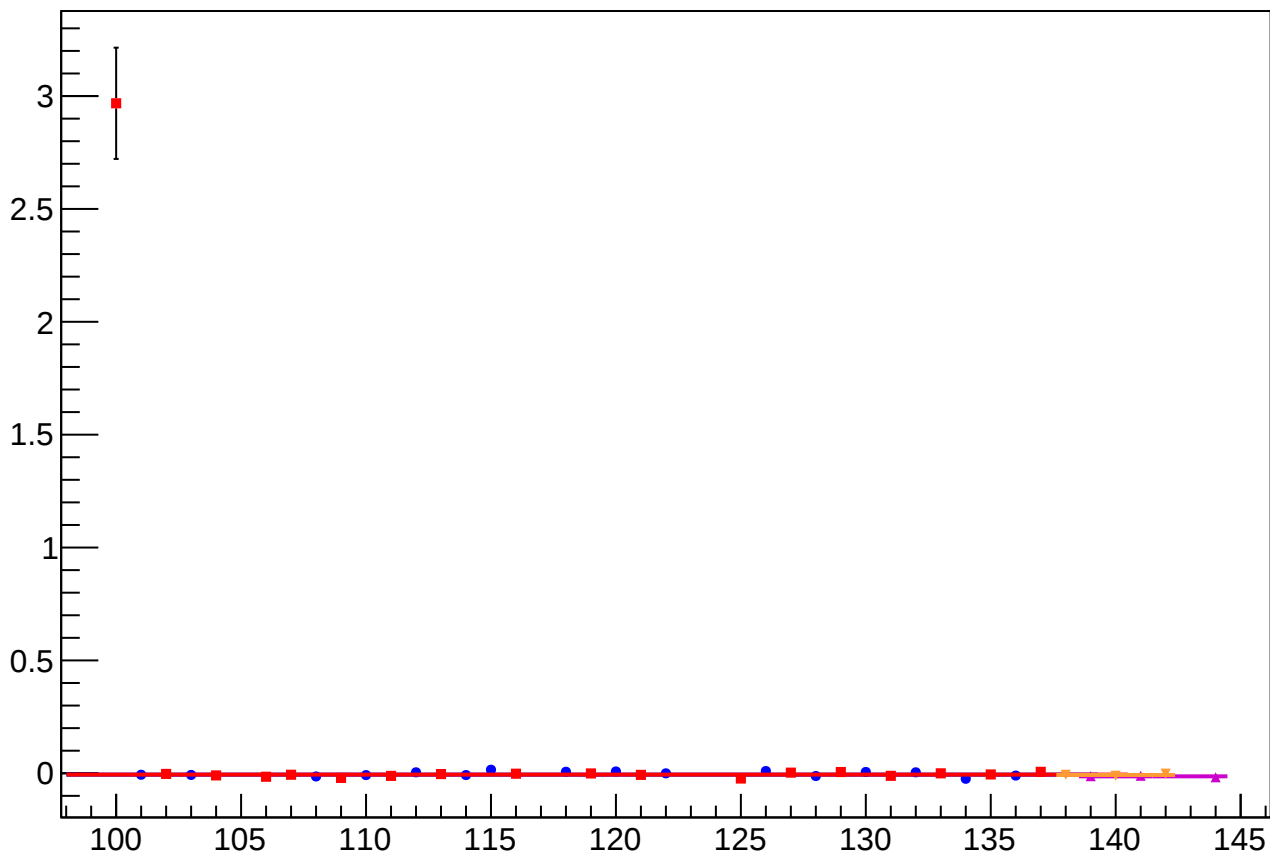
All: 0.133 ± 0.024 χ^2/NDF : 59.6/39

- sign 0.118 ± 0.035 χ^2/NDF : 29.1/20

Left In: -0.050+/-0.051 $\chi^2/\text{NDF}: 2.7/2$

- sign -0.047 ± 0.025 χ^2/NDF : 29.0/20

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.4/15

Left Out: -0.008 ± 0.002 χ^2/NDF : 2.0/2

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.3/17

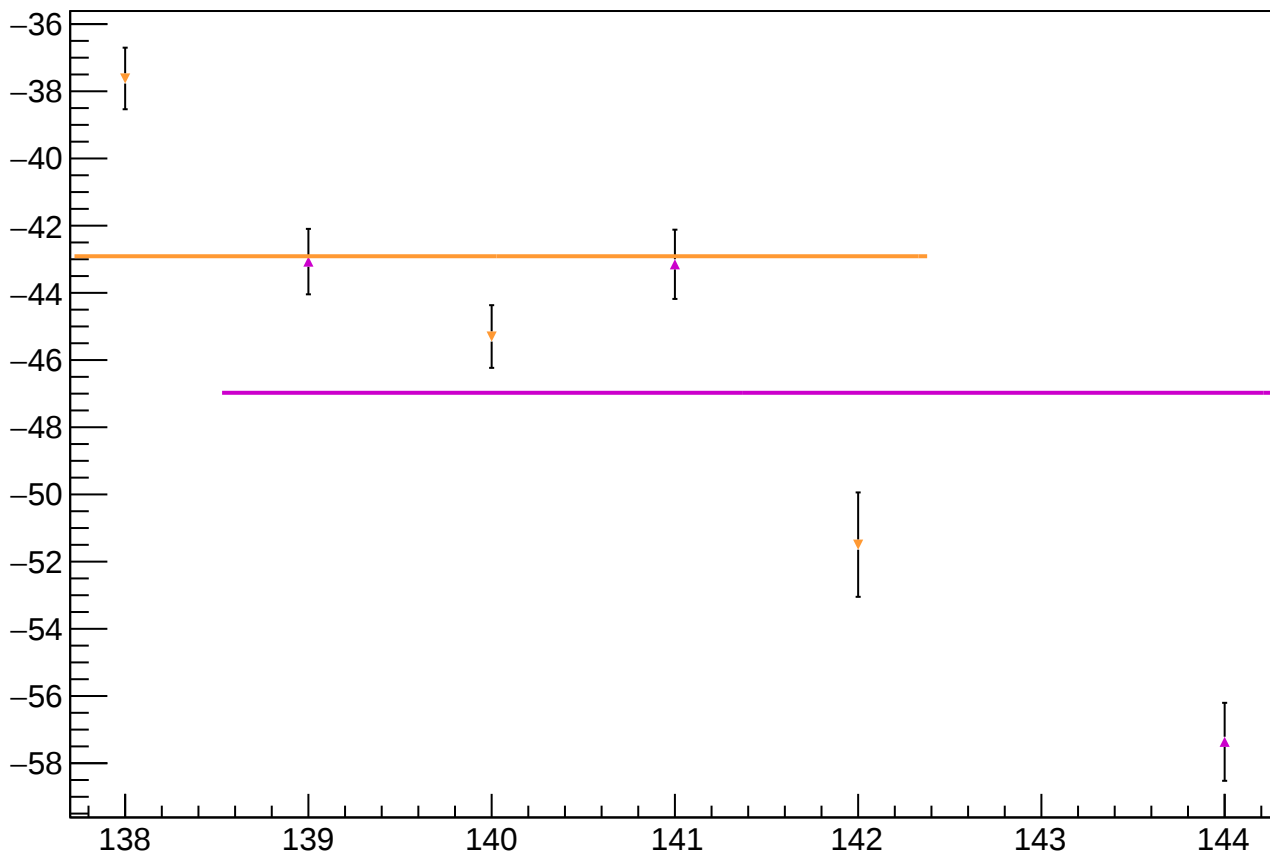
Left In: -0.014 ± 0.002 χ^2/NDF : 1.4/2

+ sign -0.006 ± 0.001 χ^2/NDF : 29.7/18

All: -0.007 ± 0.001 χ^2/NDF : 206.7/39

- sign -0.008 ± 0.001 χ^2/NDF : 175.7/20

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -42.910+/-0.603 χ^2/NDF : 70.4/2

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

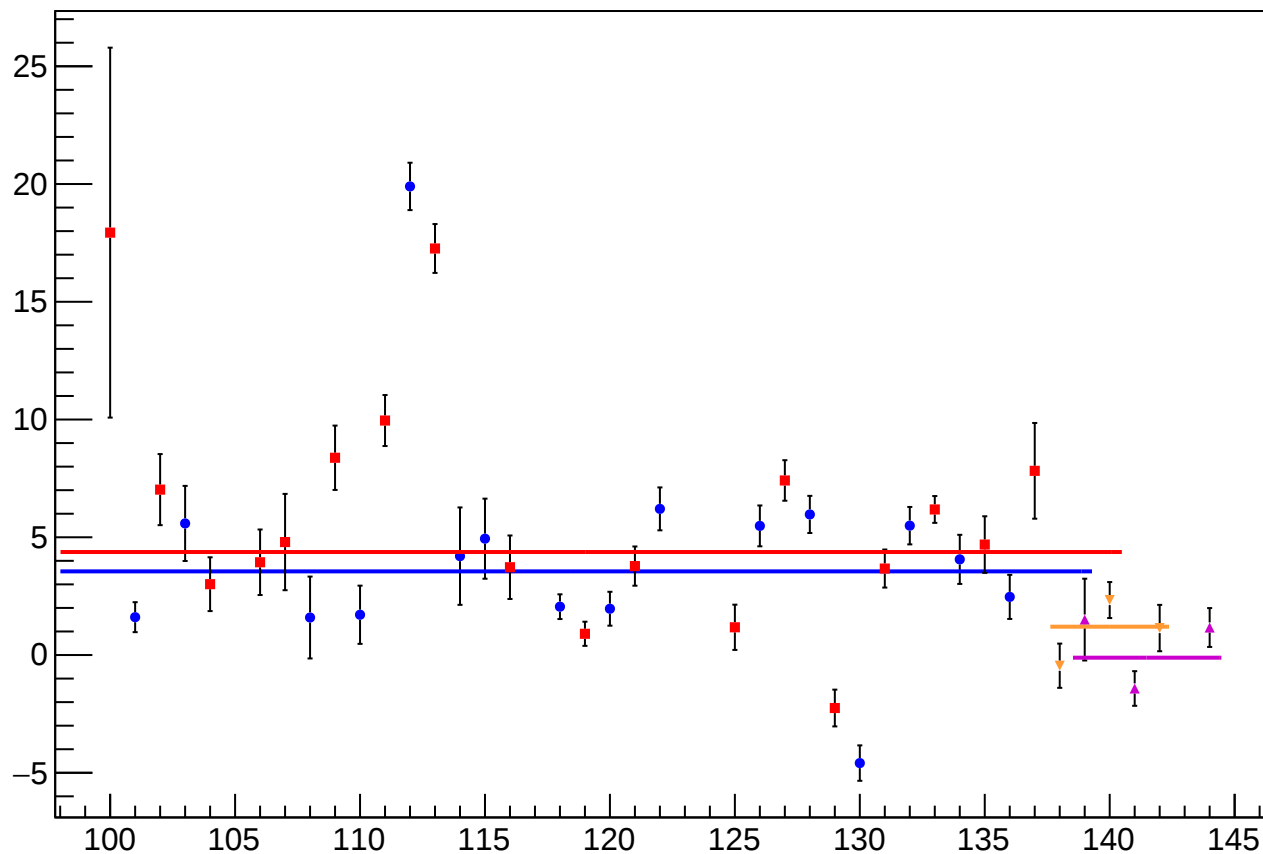
Left In: -46.974+/-0.604 χ^2/NDF : 110.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -44.936+/-0.427 χ^2/NDF : 203.1/5

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.552 ± 0.221 $\chi^2/\text{NDF}: 439.9/15$

Left Out: 1.203 ± 0.508 $\chi^2/\text{NDF}: 5.3/2$

Right Out: 4.374 ± 0.225 $\chi^2/\text{NDF}: 353.1/17$

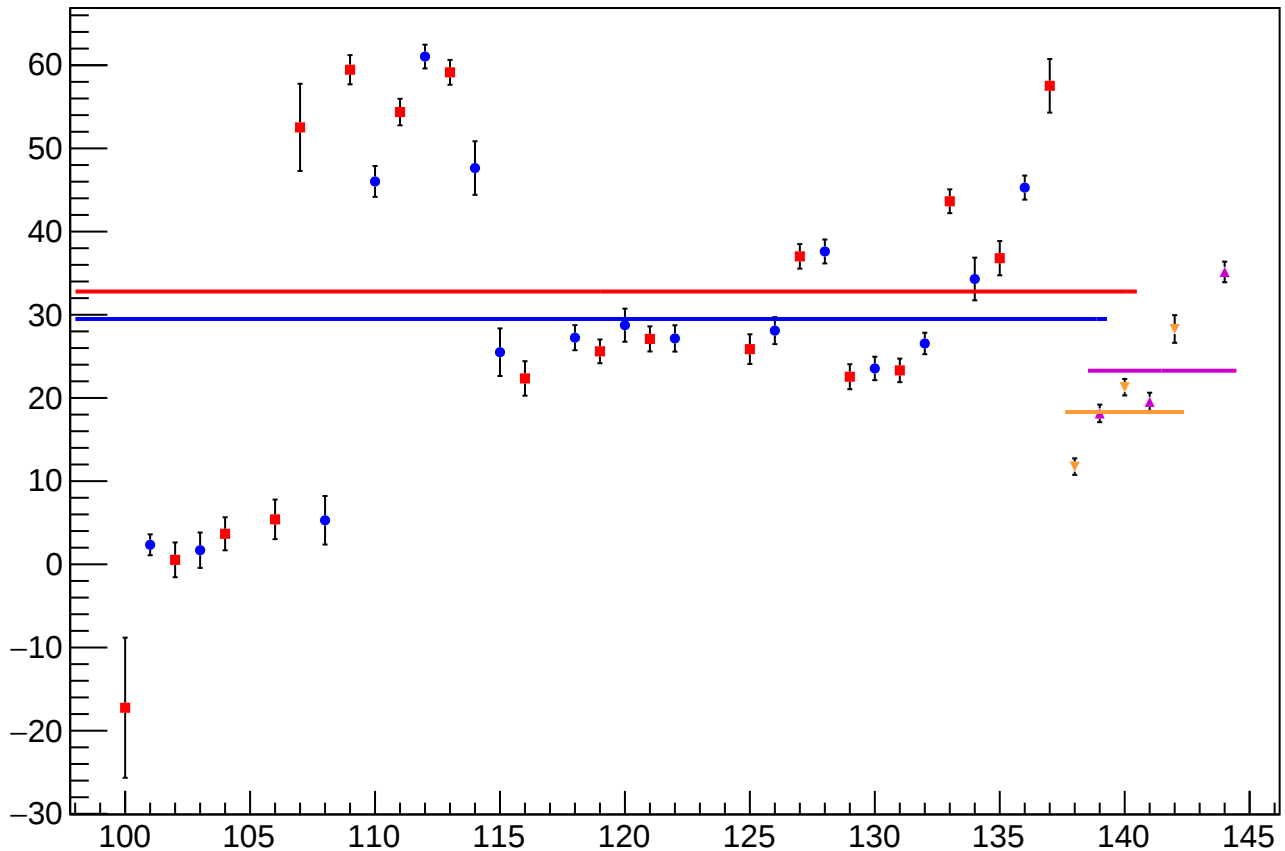
Left In: -0.113 ± 0.524 $\chi^2/\text{NDF}: 6.4/2$

+ sign 3.179 ± 0.202 $\chi^2/\text{NDF}: 463.2/18$

All: 3.421 ± 0.145 $\chi^2/\text{NDF}: 887.7/39$

- sign 3.674 ± 0.207 $\chi^2/\text{NDF}: 421.6/20$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.493 $\pm$ 0.420 χ^2/NDF : 1489.7/15

Left Out: 18.305 $\pm$ 0.647 χ^2/NDF : 88.7/2

Right Out: 32.793 $\pm$ 0.424 χ^2/NDF : 1660.2/17

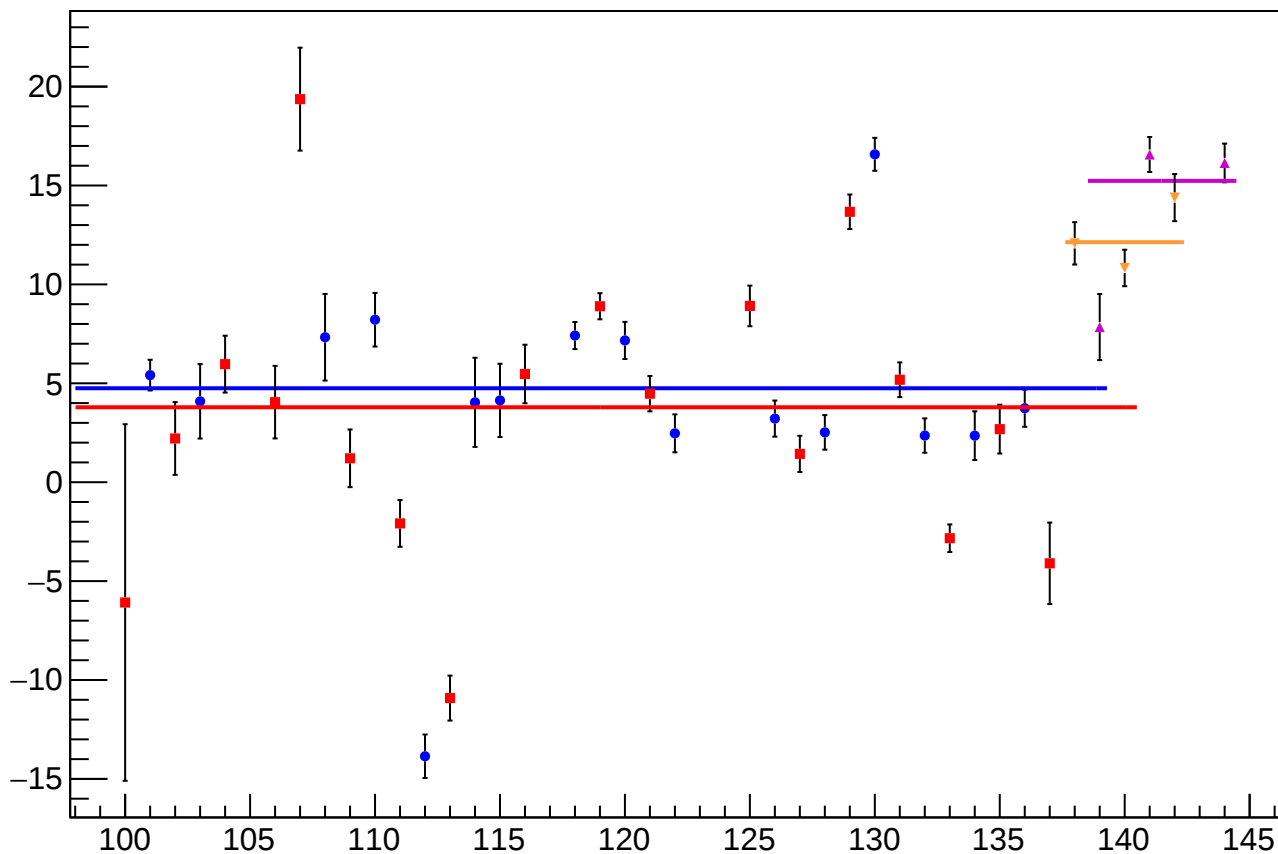
Left In: 23.275 $\pm$ 0.648 χ^2/NDF : 126.8/2

+ sign 26.173 $\pm$ 0.353 χ^2/NDF : 1788.6/18

All: 28.048 $\pm$ 0.250 χ^2/NDF : 3783.5/39

- sign 29.946 $\pm$ 0.355 χ^2/NDF : 1938.0/20

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.750 ± 0.255 $\chi^2/\text{NDF}: 546.5/15$

Left Out: 12.135 ± 0.602 $\chi^2/\text{NDF}: 5.6/2$

Right Out: 3.789 ± 0.259 $\chi^2/\text{NDF}: 564.8/17$

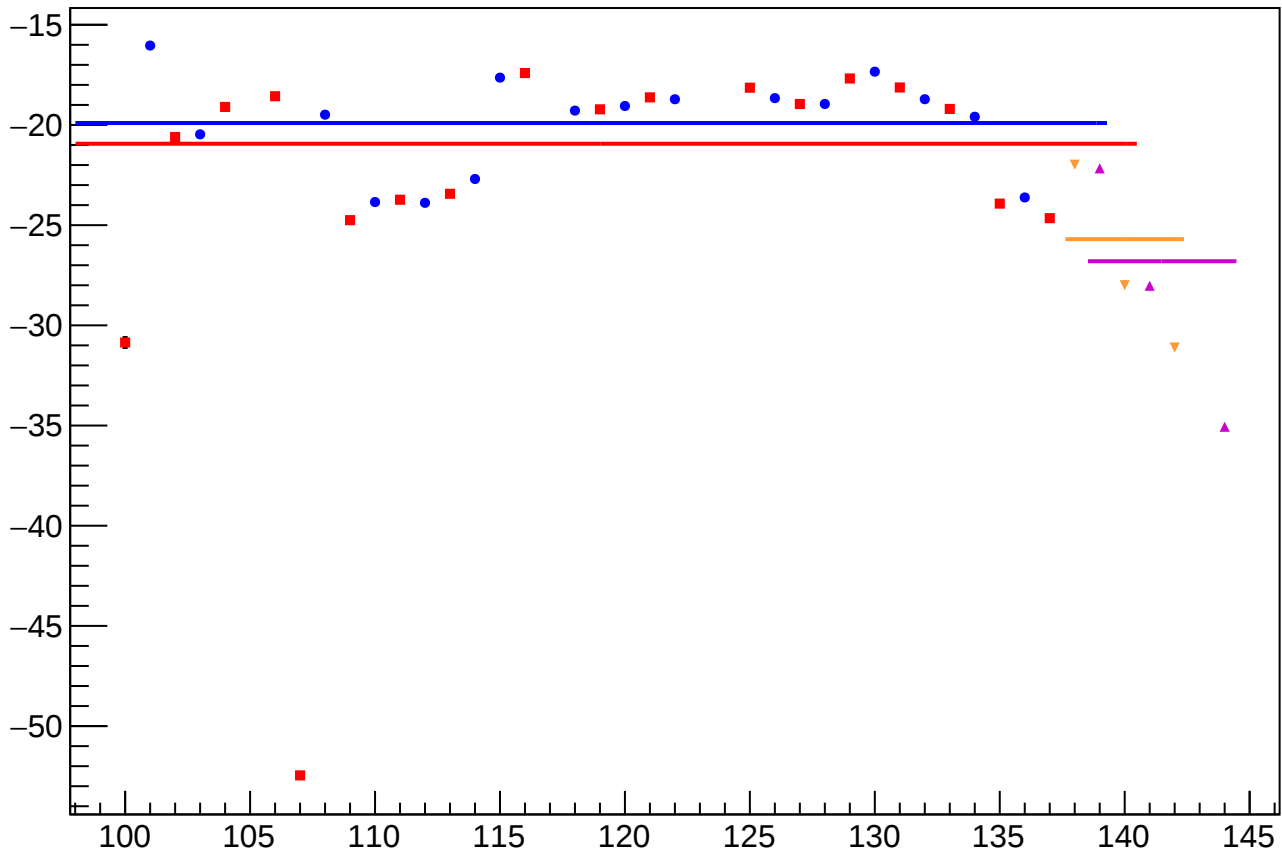
Left In: 15.234 ± 0.611 $\chi^2/\text{NDF}: 22.7/2$

+ sign 5.869 ± 0.234 $\chi^2/\text{NDF}: 679.7/18$

All: 5.704 ± 0.167 $\chi^2/\text{NDF}: 1565.6/39$

- sign 5.532 ± 0.238 $\chi^2/\text{NDF}: 884.9/20$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 χ^2/NDF : 26019.5/15

Left Out: -25.700 ± 0.027 χ^2/NDF : 18412.0/2

Right Out: -20.936 ± 0.016 χ^2/NDF : 93988.8/17

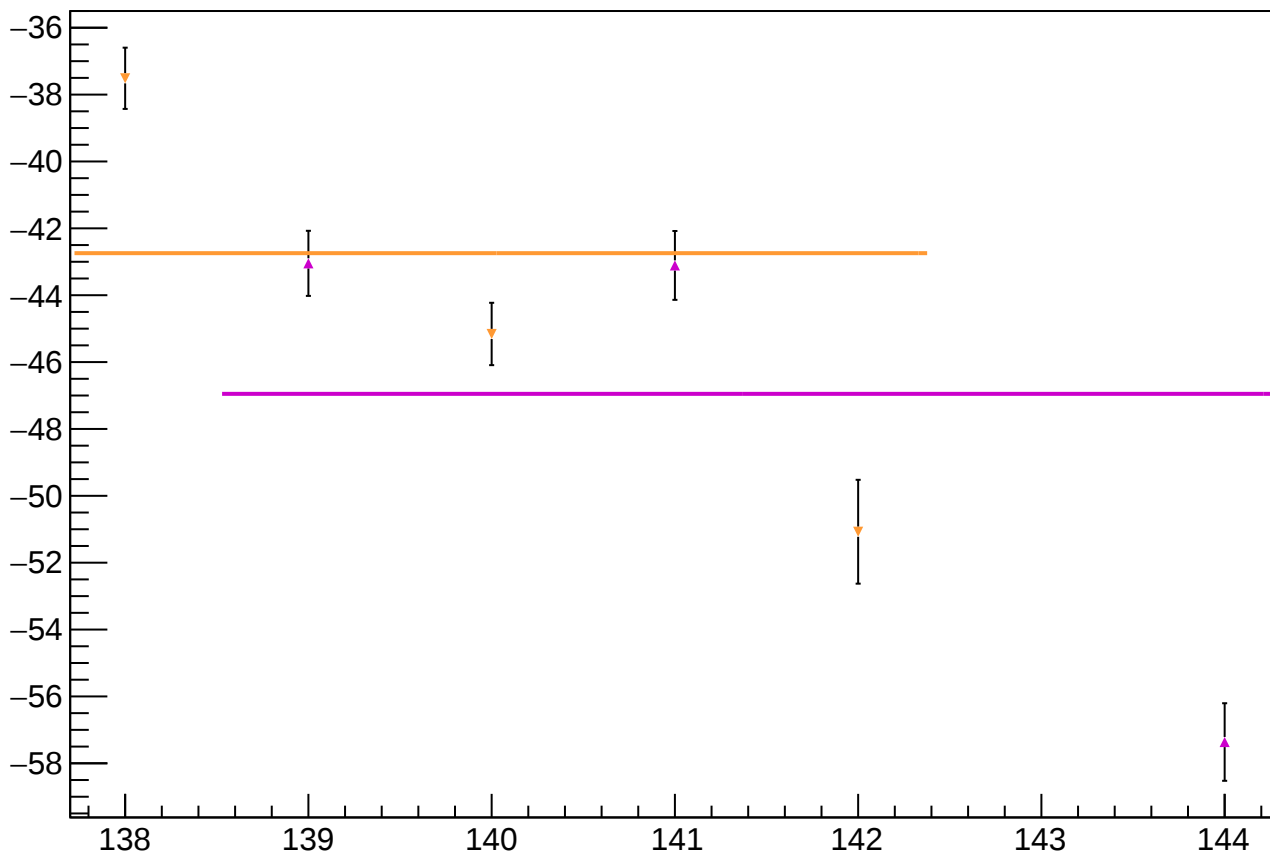
Left In: -26.800 ± 0.025 χ^2/NDF : 39589.3/2

+ sign -21.393 ± 0.014 χ^2/NDF : 79651.5/18

All: -21.998 ± 0.009 χ^2/NDF : 256283.8/39

- sign -22.588 ± 0.013 χ^2/NDF : 172668.7/20

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -42.742+/-0.602 χ^2/NDF : 68.1/2

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

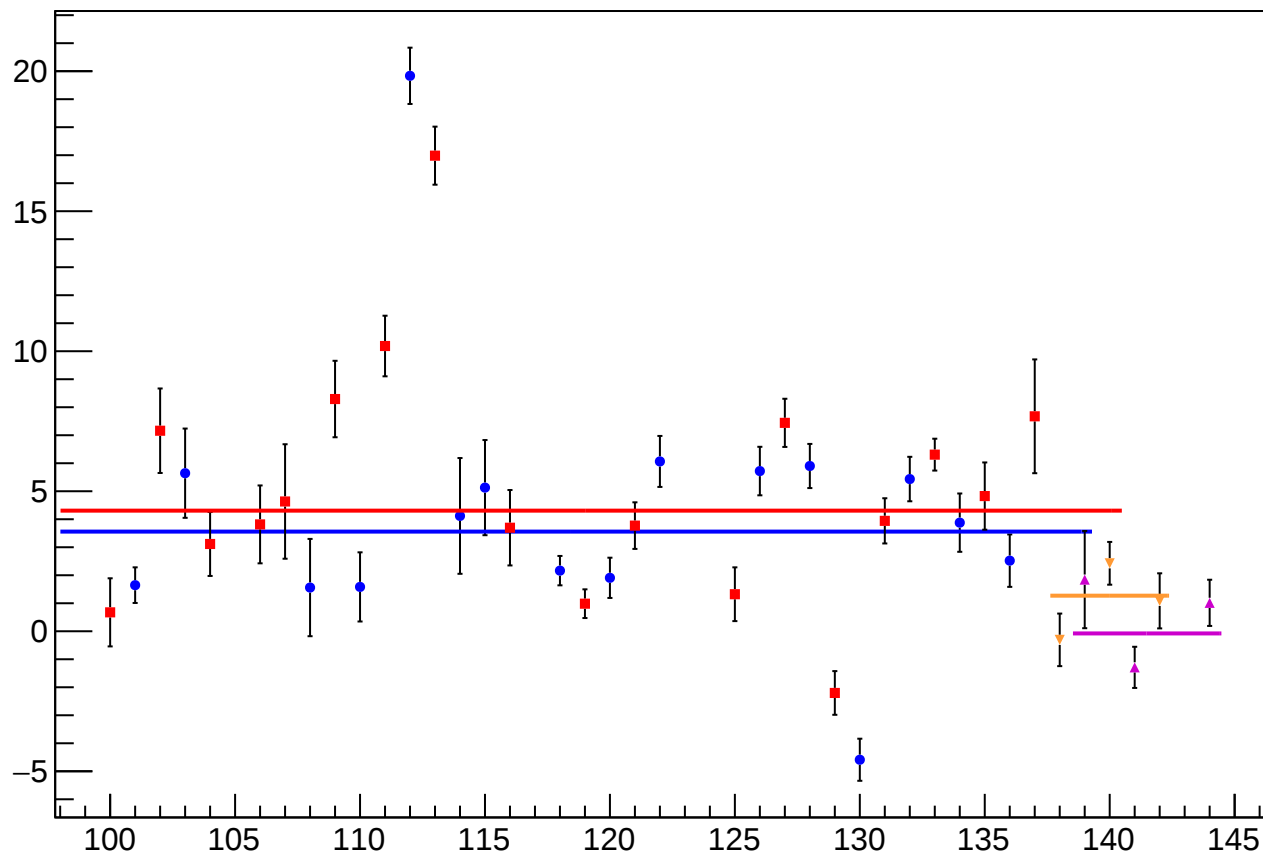
Left In: -46.950+/-0.604 χ^2/NDF : 110.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -44.840+/-0.426 χ^2/NDF : 203.0/5

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.559 ± 0.221 χ^2/NDF : 437.1/15

Left Out: 1.270 ± 0.507 χ^2/NDF : 5.2/2

Right Out: 4.307 ± 0.221 χ^2/NDF : 352.1/17

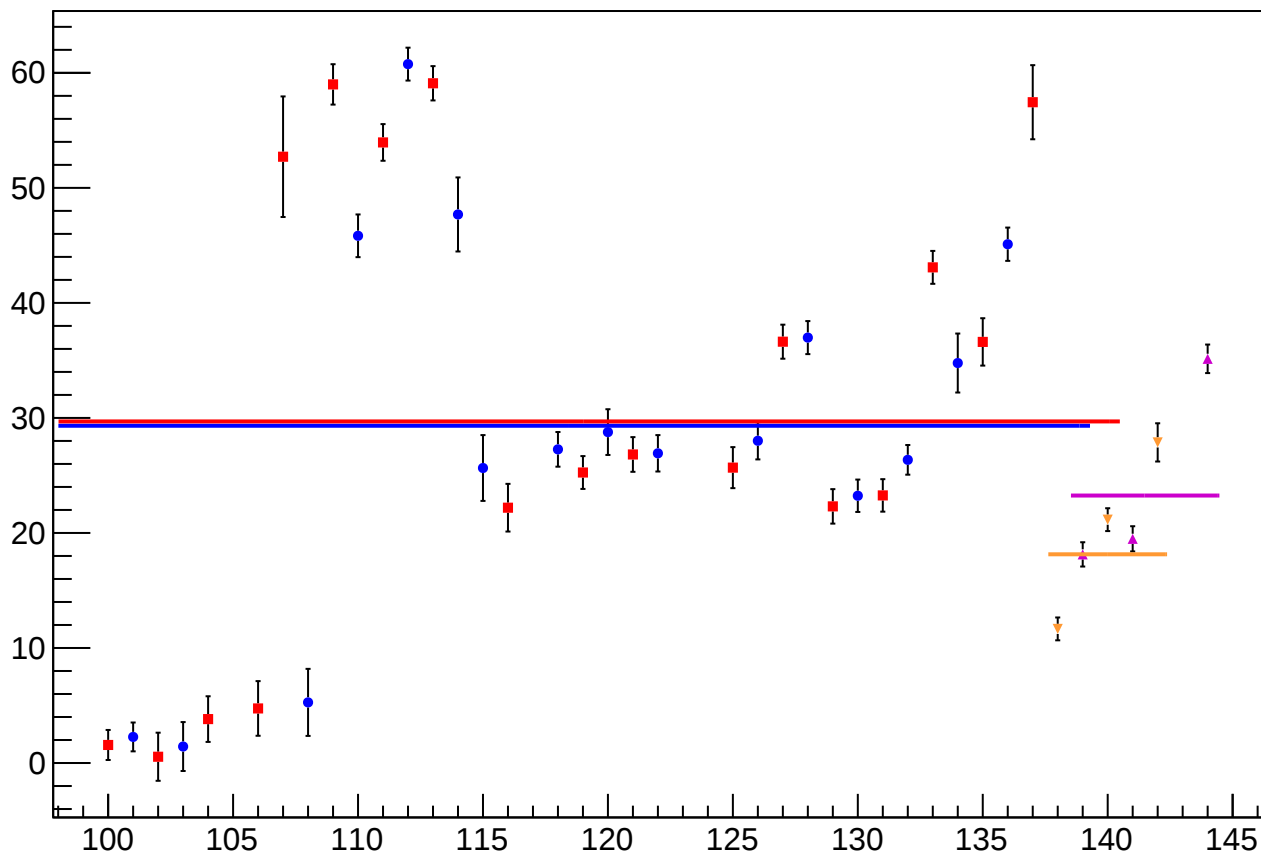
Left In: -0.078 ± 0.523 χ^2/NDF : 5.7/2

+ sign 3.195 ± 0.202 χ^2/NDF : 459.4/18

All: 3.417 ± 0.144 χ^2/NDF : 879.2/39

- sign 3.641 ± 0.204 χ^2/NDF : 417.4/20

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.321 $\pm$ 0.420 χ^2 /NDF: 1483.3/15

Left Out: 18.145 $\pm$ 0.647 χ^2 /NDF:86.1/2

Right Out: 29.696 $\pm$ 0.403 χ^2 /NDF: 2129.0/17

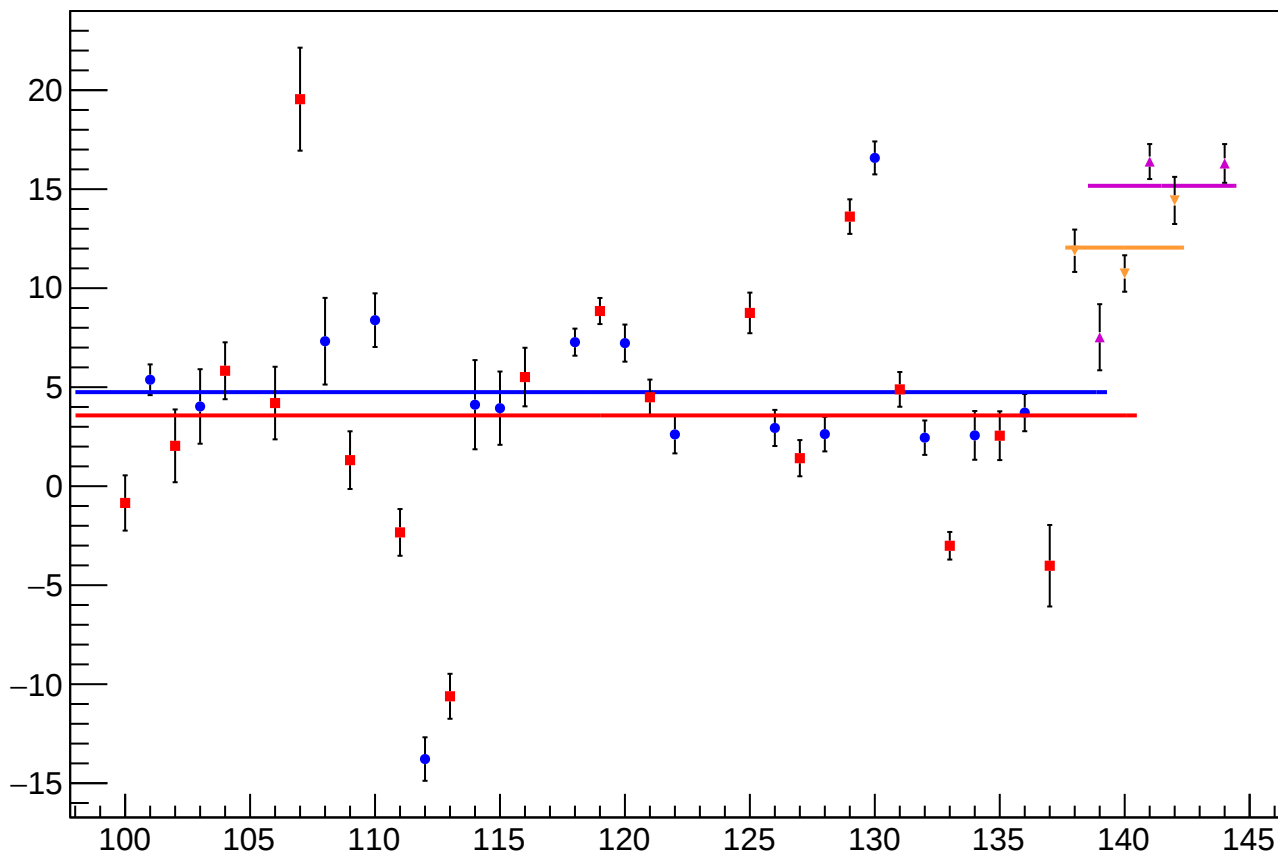
Left In: 23.253 $\pm$ 0.648 χ^2 /NDF:127.2/2

+ sign 26.006 $\pm$ 0.352 χ^2 /NDF: 1779.4/18

All: 26.979 $\pm$ 0.245 χ^2 /NDF: 4121.7/39

- sign 27.898 $\pm$ 0.342 χ^2 /NDF: 2327.4/20

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.749 ± 0.254 χ^2/NDF : 543.1/15

Left Out: 12.049 ± 0.602 χ^2/NDF : 6.0/2

Right Out: 3.573 ± 0.255 χ^2/NDF : 570.4/17

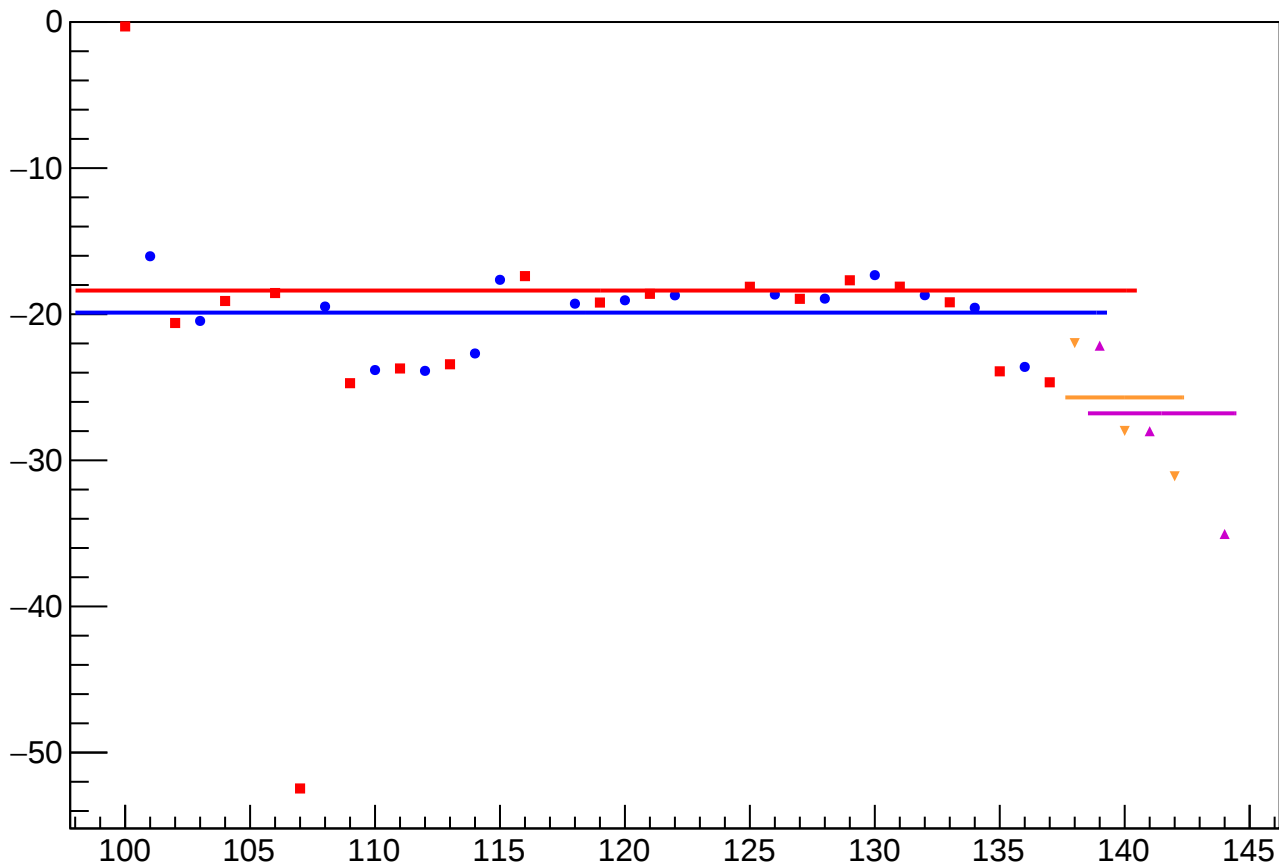
Left In: 15.170 ± 0.611 χ^2/NDF : 24.2/2

+ sign 5.855 ± 0.234 χ^2/NDF : 673.9/18

All: 5.574 ± 0.166 χ^2/NDF : 1578.7/39

- sign 5.291 ± 0.235 χ^2/NDF : 902.0/20

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 χ^2/NDF : 26008.9/15

Left Out: -25.694 ± 0.027 χ^2/NDF : 18388.1/2

Right Out: -18.378 ± 0.015 χ^2/NDF : 301009.6/17

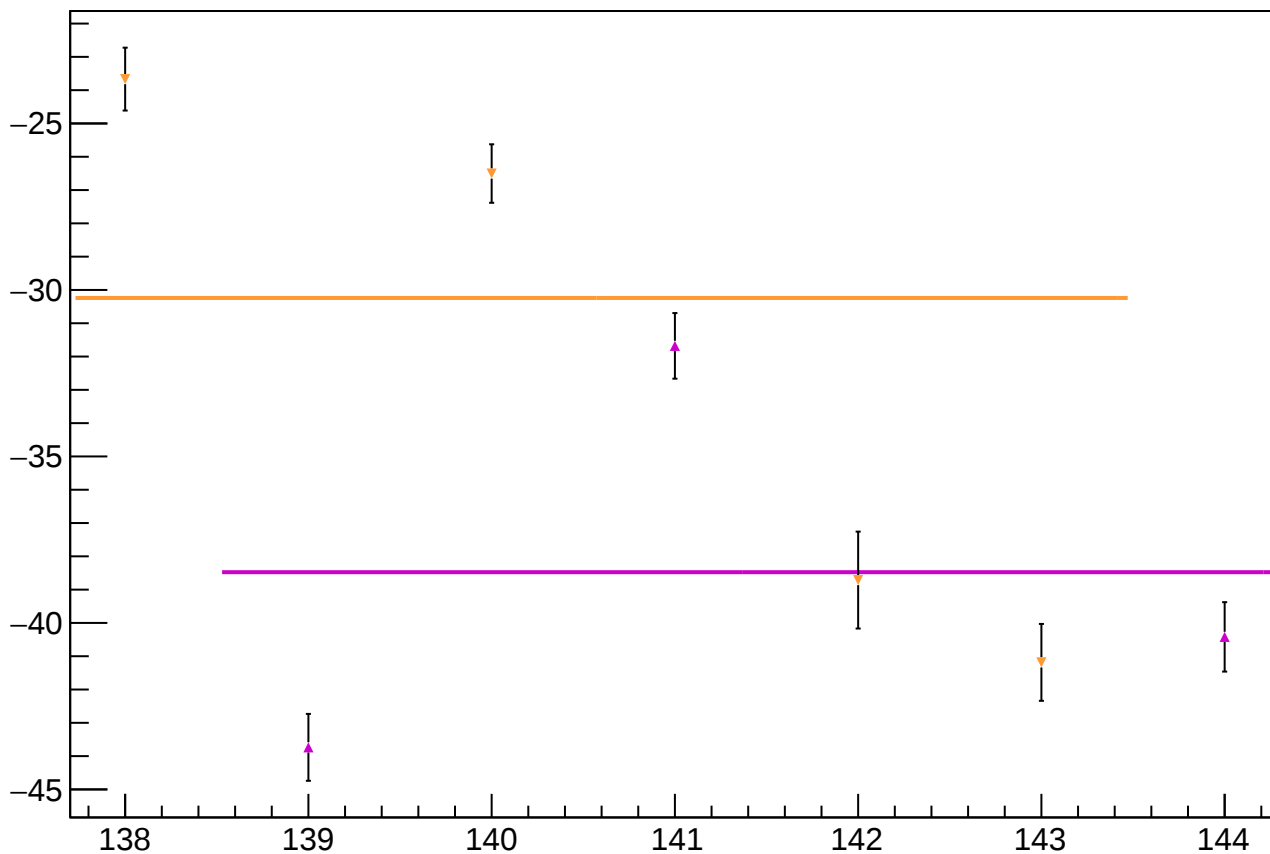
Left In: -26.783 ± 0.025 χ^2/NDF : 39595.1/2

+ sign -21.382 ± 0.013 χ^2/NDF : 79730.9/18

All: -20.935 ± 0.009 χ^2/NDF : 505607.4/39

- sign -20.536 ± 0.013 χ^2/NDF : 423798.3/20

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -30.240+/-0.524 χ^2/NDF :190.3/3

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

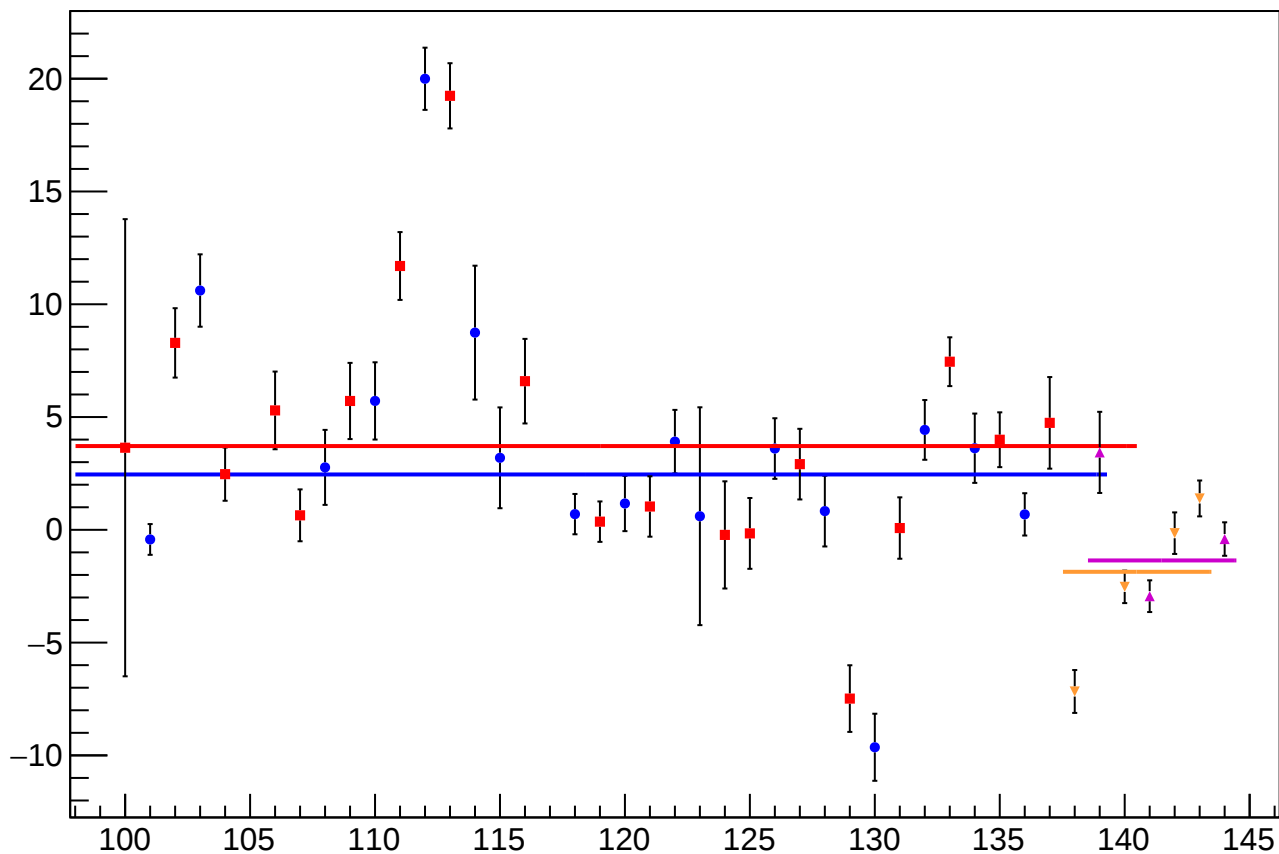
Left In: -38.476+/-0.583 χ^2/NDF :78.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -33.921+/-0.390 χ^2/NDF : 379.2/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.454 ± 0.315 χ^2/NDF : 294.3/16

Left Out: -1.861 ± 0.415 χ^2/NDF : 52.2/3

Right Out: 3.714 ± 0.327 χ^2/NDF : 269.1/18

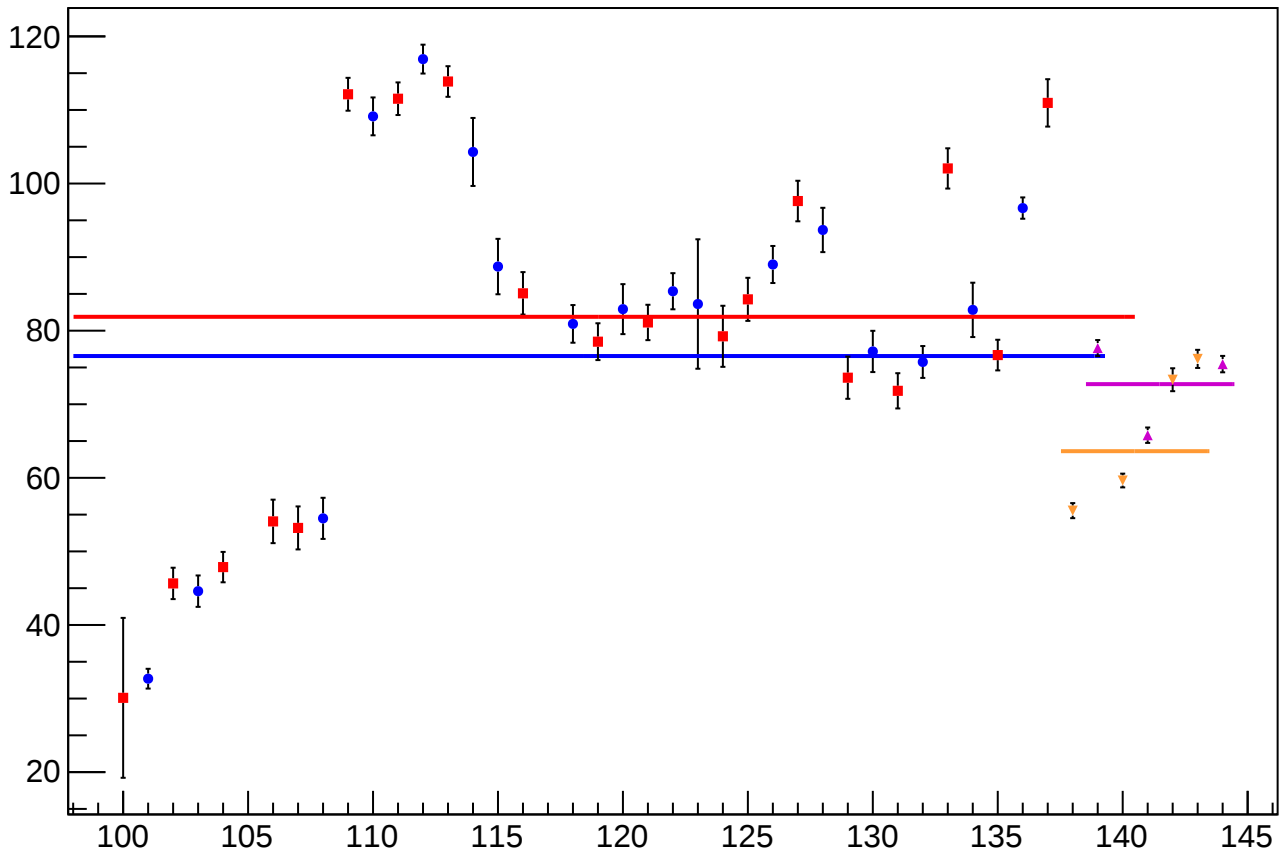
Left In: -1.357 ± 0.491 χ^2/NDF : 13.8/2

+ sign 0.880 ± 0.251 χ^2/NDF : 415.0/20

All: 1.467 ± 0.184 χ^2/NDF : 783.7/42

- sign 2.158 ± 0.272 χ^2/NDF : 356.8/21

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.555 $\pm$ 0.577 χ^2 /NDF: 2252.8/16

Left Out: 63.622 $\pm$ 0.562 χ^2 /NDF: 223.0/3

Right Out: 81.886 $\pm$ 0.593 χ^2 /NDF: 1570.8/18

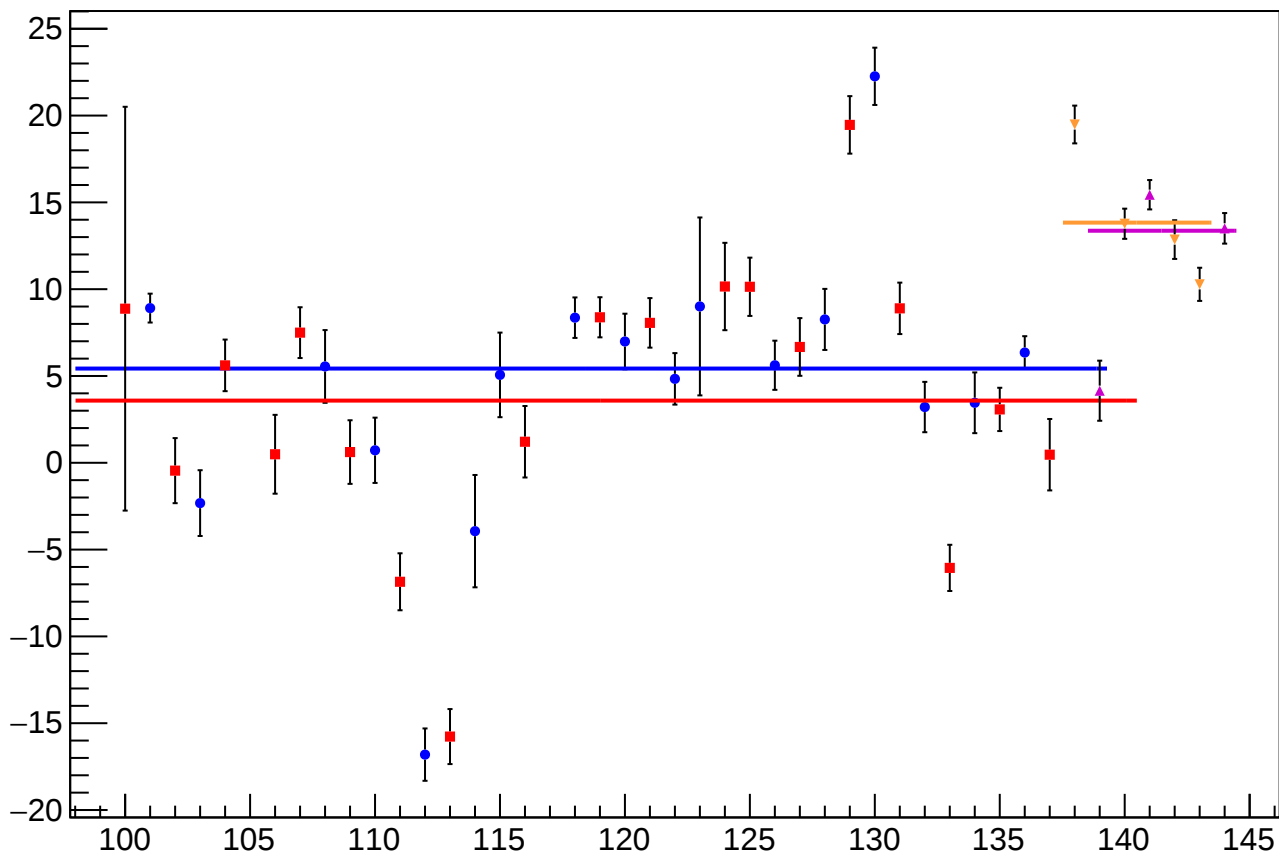
Left In: 72.736 $\pm$ 0.625 χ^2 /NDF: 70.2/2

+ sign 69.917 $\pm$ 0.402 χ^2 /NDF: 2733.7/20

All: 73.481 $\pm$ 0.294 χ^2 /NDF: 4655.5/42

- sign 77.552 $\pm$ 0.430 χ^2 /NDF: 1753.8/21

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.428 ± 0.361 χ^2/NDF : 385.7/16

Left Out: 13.835 ± 0.496 χ^2/NDF : 41.6/3

Right Out: 3.582 ± 0.376 χ^2/NDF : 421.6/18

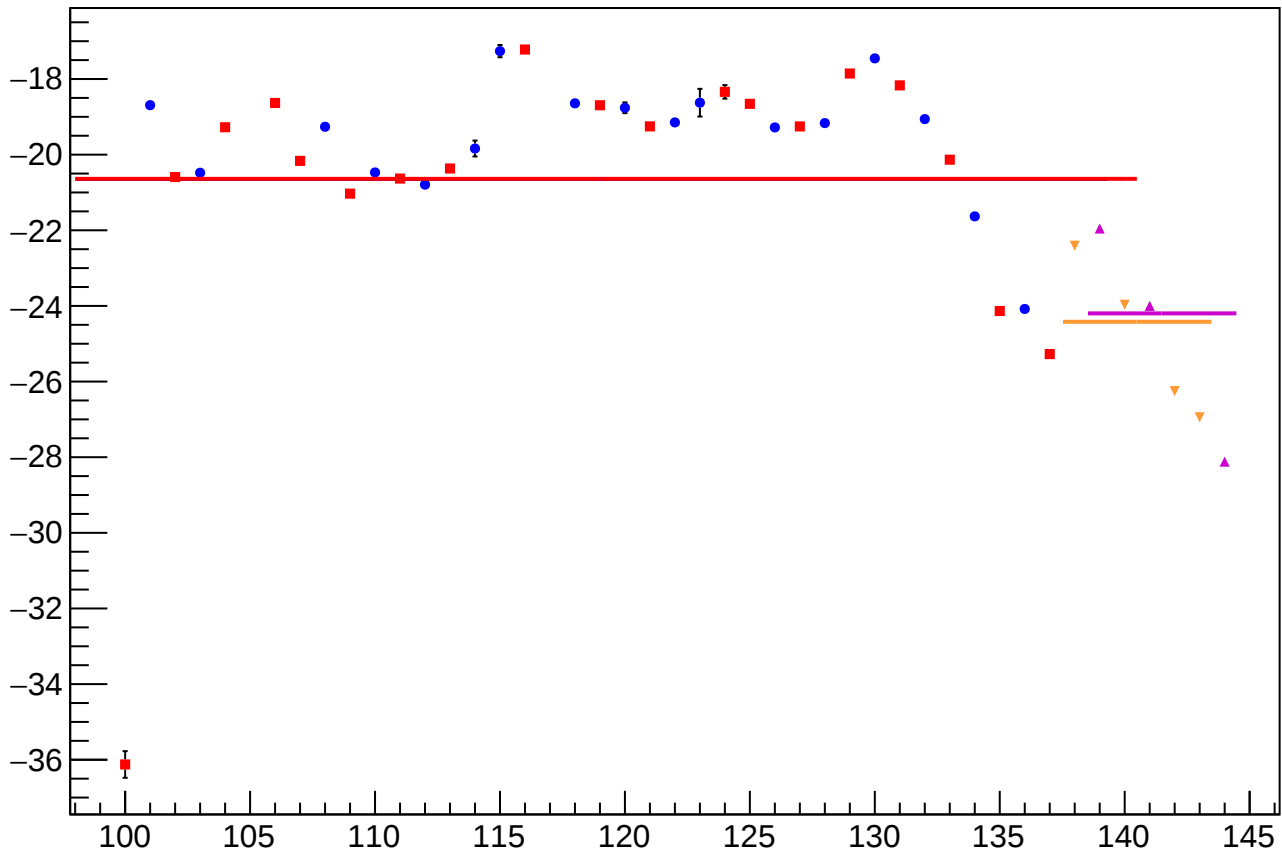
Left In: 13.366 ± 0.575 χ^2/NDF : 34.4/2

+ sign 8.341 ± 0.292 χ^2/NDF : 615.3/20

All: 7.492 ± 0.214 χ^2/NDF : 1292.5/42

- sign 6.506 ± 0.314 χ^2/NDF : 658.9/21

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12424.2/16$

Left Out: -24.420 ± 0.023 $\chi^2/\text{NDF}: 6059.4/3$

Right Out: -20.640 ± 0.019 $\chi^2/\text{NDF}: 13785.9/18$

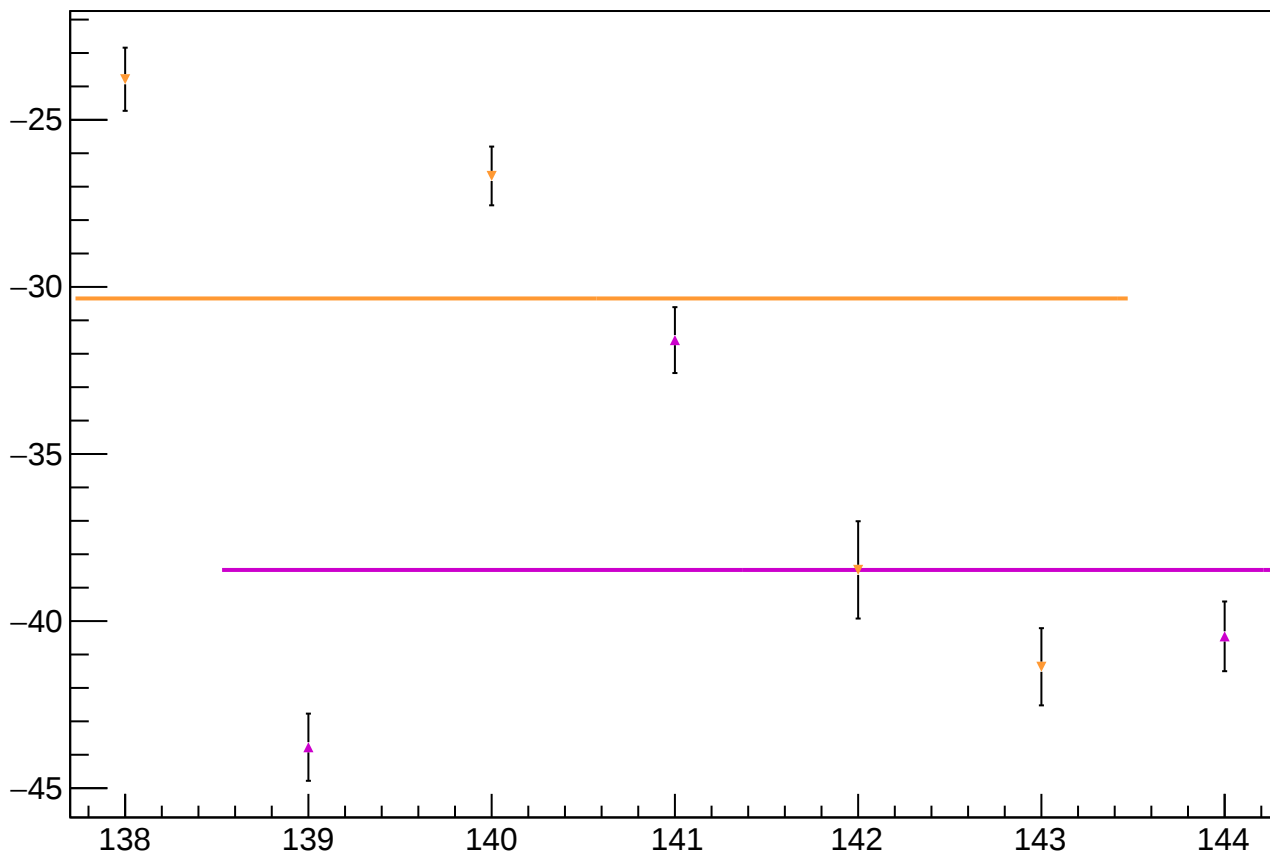
Left In: -24.197 ± 0.025 $\chi^2/\text{NDF}: 9932.0/2$

+ sign -22.201 ± 0.015 $\chi^2/\text{NDF}: 34188.6/20$

All: -22.111 ± 0.011 $\chi^2/\text{NDF}: 70889.0/42$

- sign -22.015 ± 0.015 $\chi^2/\text{NDF}: 36623.6/21$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -30.345+/-0.524 χ^2/NDF :187.7/3

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

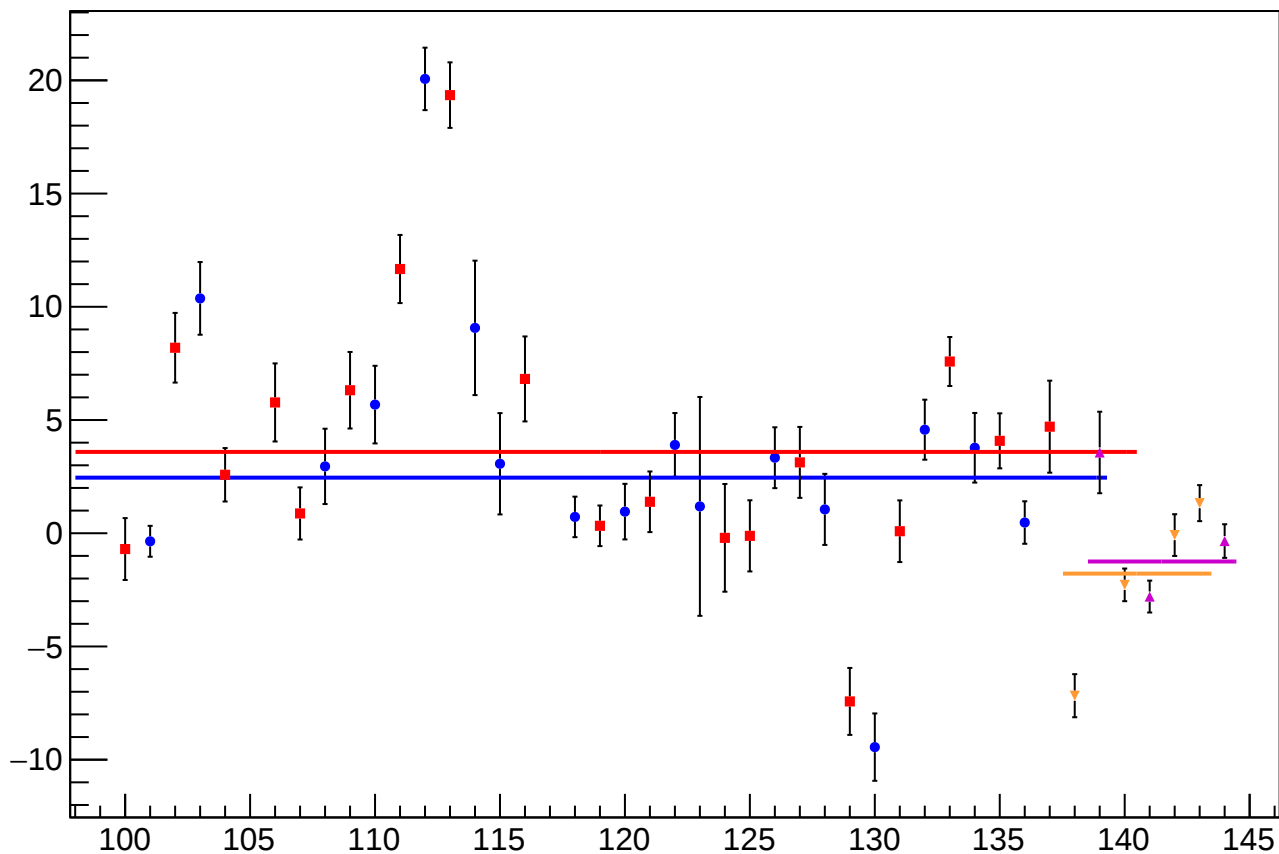
Left In: -38.470+/-0.583 χ^2/NDF :80.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -33.976+/-0.390 χ^2/NDF : 375.1/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 $\pm$ 0.315 χ^2 /NDF: 292.3/16

Left Out: -1.783 $\pm$ 0.416 χ^2 /NDF: 51.3/3

Right Out: 3.592 $\pm$ 0.318 χ^2 /NDF: 280.0/18

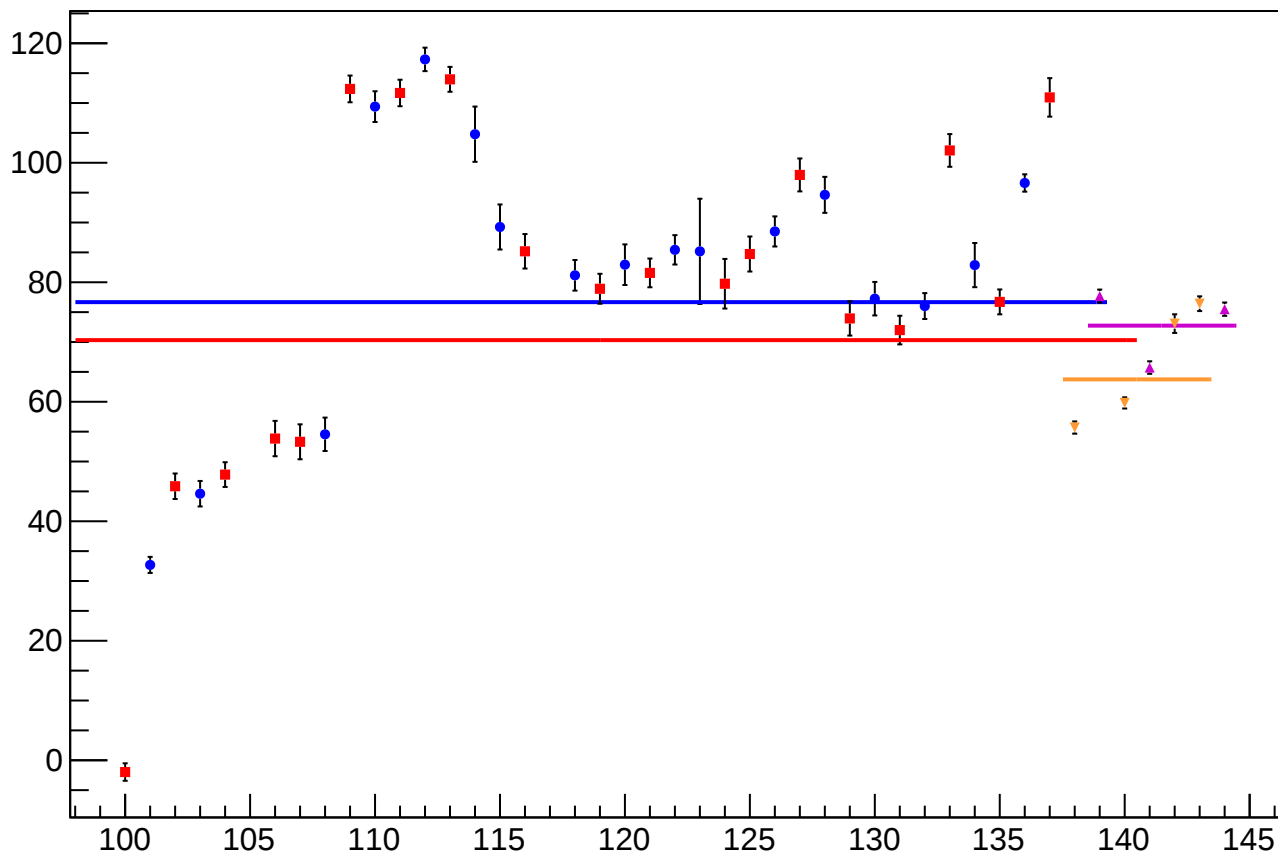
Left In: -1.248 $\pm$ 0.491 χ^2 /NDF: 13.5/2

+ sign 0.910 $\pm$ 0.251 χ^2 /NDF: 409.6/20

All: 1.497 $\pm$ 0.183 χ^2 /NDF: 783.2/42

- sign 2.162 $\pm$ 0.267 χ^2 /NDF: 361.9/21

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.675 $\pm$ 0.577 χ^2/NDF : 2264.8/16

Left Out: 63.748 $\pm$ 0.562 χ^2/NDF : 221.0/3

Right Out: 70.316 $\pm$ 0.551 χ^2/NDF : 4387.2/18

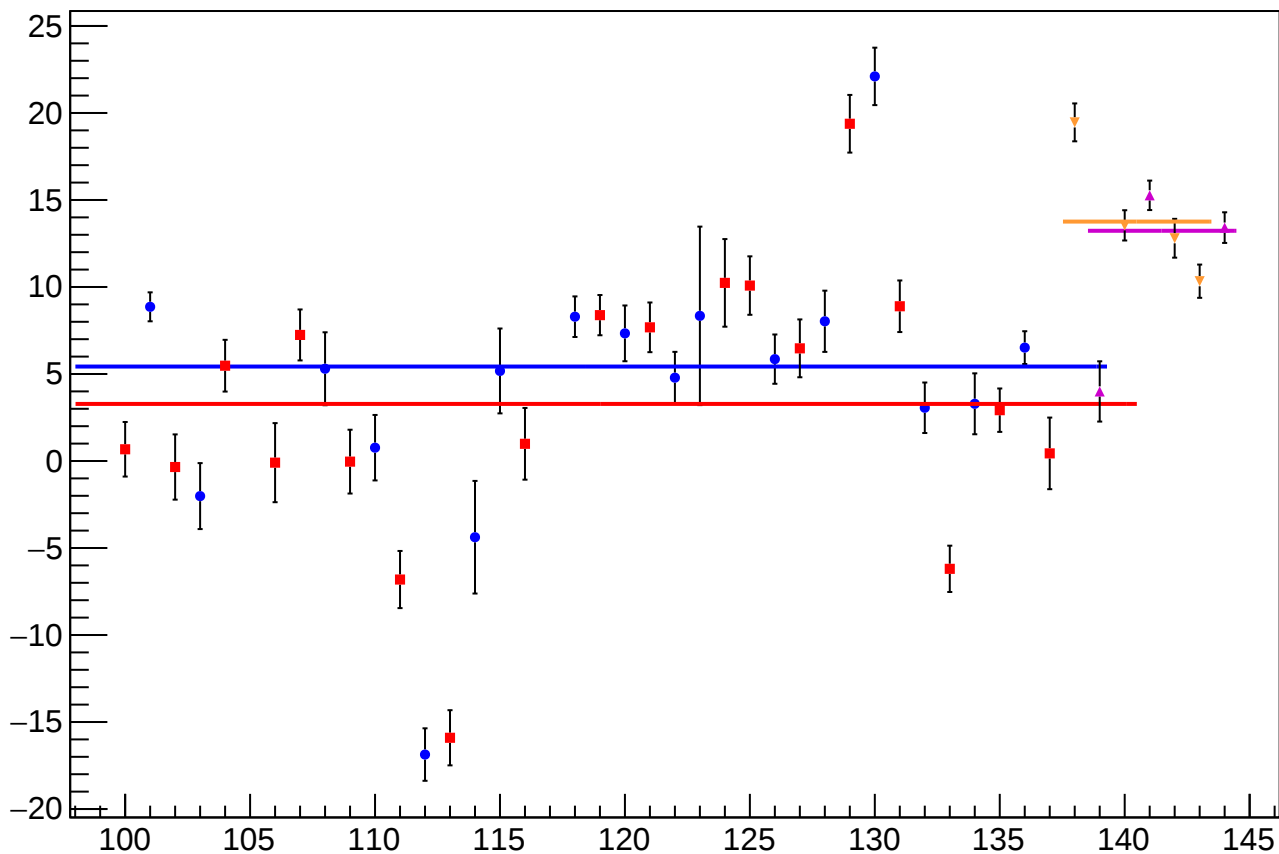
Left In: 72.741 $\pm$ 0.625 χ^2/NDF : 71.5/2

+ sign 70.041 $\pm$ 0.403 χ^2/NDF : 2743.2/20

All: 70.690 $\pm$ 0.288 χ^2/NDF : 7215.8/42

- sign 71.374 $\pm$ 0.413 χ^2/NDF : 4467.2/21

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.428 ± 0.361 $\chi^2/\text{NDF}: 384.2/16$

Left Out: 13.759 ± 0.496 $\chi^2/\text{NDF}: 41.1/3$

Right Out: 3.280 ± 0.366 $\chi^2/\text{NDF}: 425.0/18$

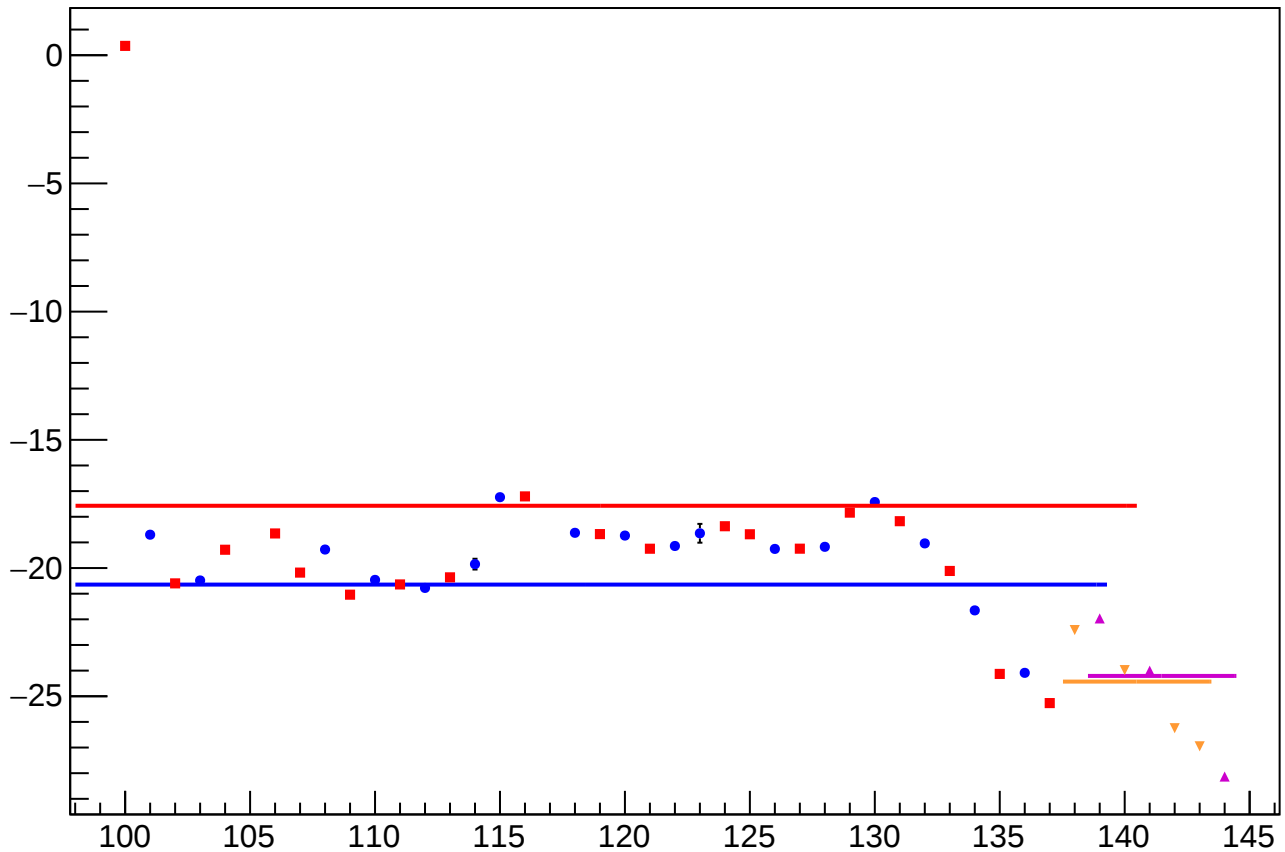
Left In: 13.230 ± 0.576 $\chi^2/\text{NDF}: 34.3/2$

+ sign 8.314 ± 0.292 $\chi^2/\text{NDF}: 609.7/20$

All: 7.288 ± 0.212 $\chi^2/\text{NDF}: 1308.1/42$

- sign 6.141 ± 0.309 $\chi^2/\text{NDF}: 672.2/21$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.645 ± 0.019 χ^2/NDF : 12462.7/16

Left Out: -24.428 ± 0.023 χ^2/NDF : 6028.0/3

Right Out: -17.571 ± 0.018 χ^2/NDF : 178318.0/18

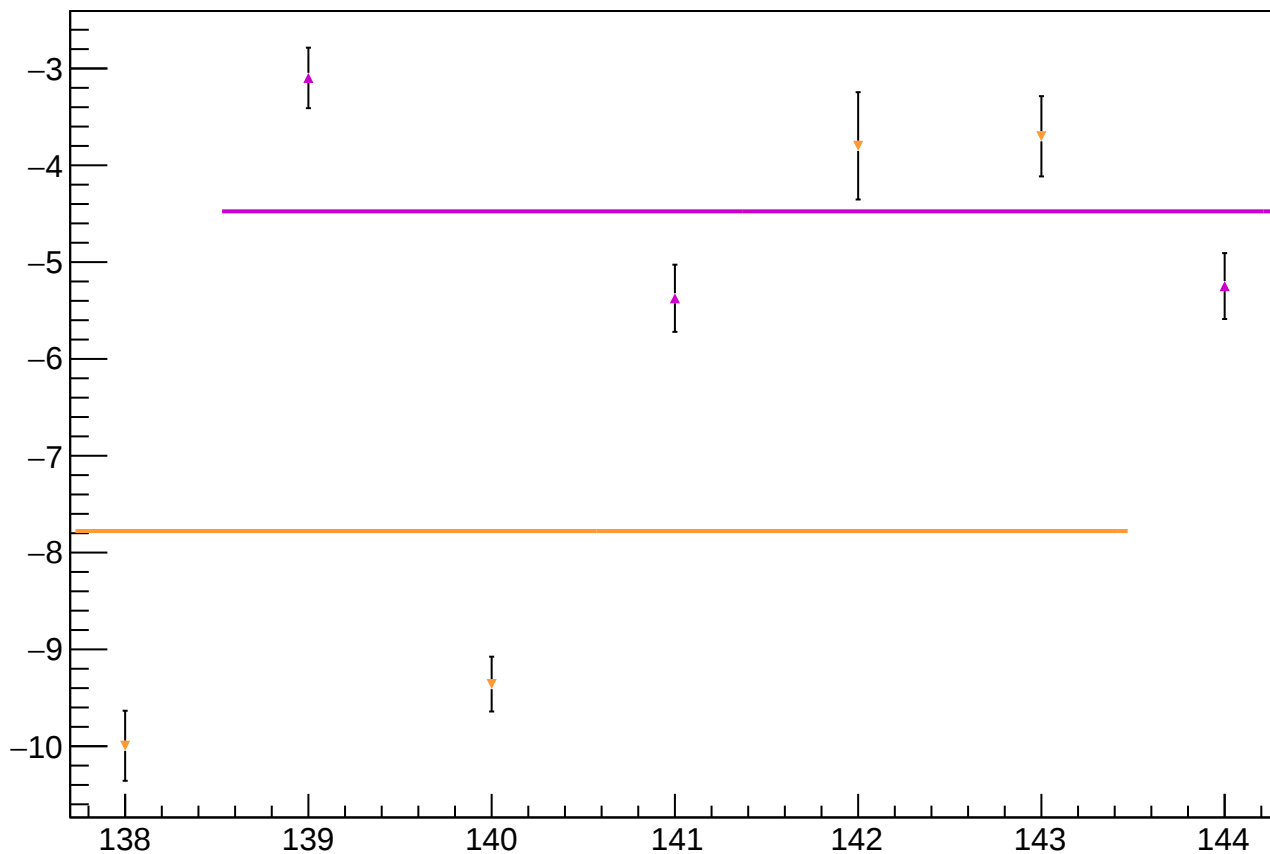
Left In: -24.207 ± 0.025 χ^2/NDF : 9927.7/2

+ sign -22.205 ± 0.015 χ^2/NDF : 34233.3/20

All: -21.029 ± 0.010 χ^2/NDF : 282238.0/42

- sign -19.900 ± 0.015 χ^2/NDF : 235694.9/21

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



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

Left Out: -7.777+/-0.185 χ^2/NDF : 217.2/3

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

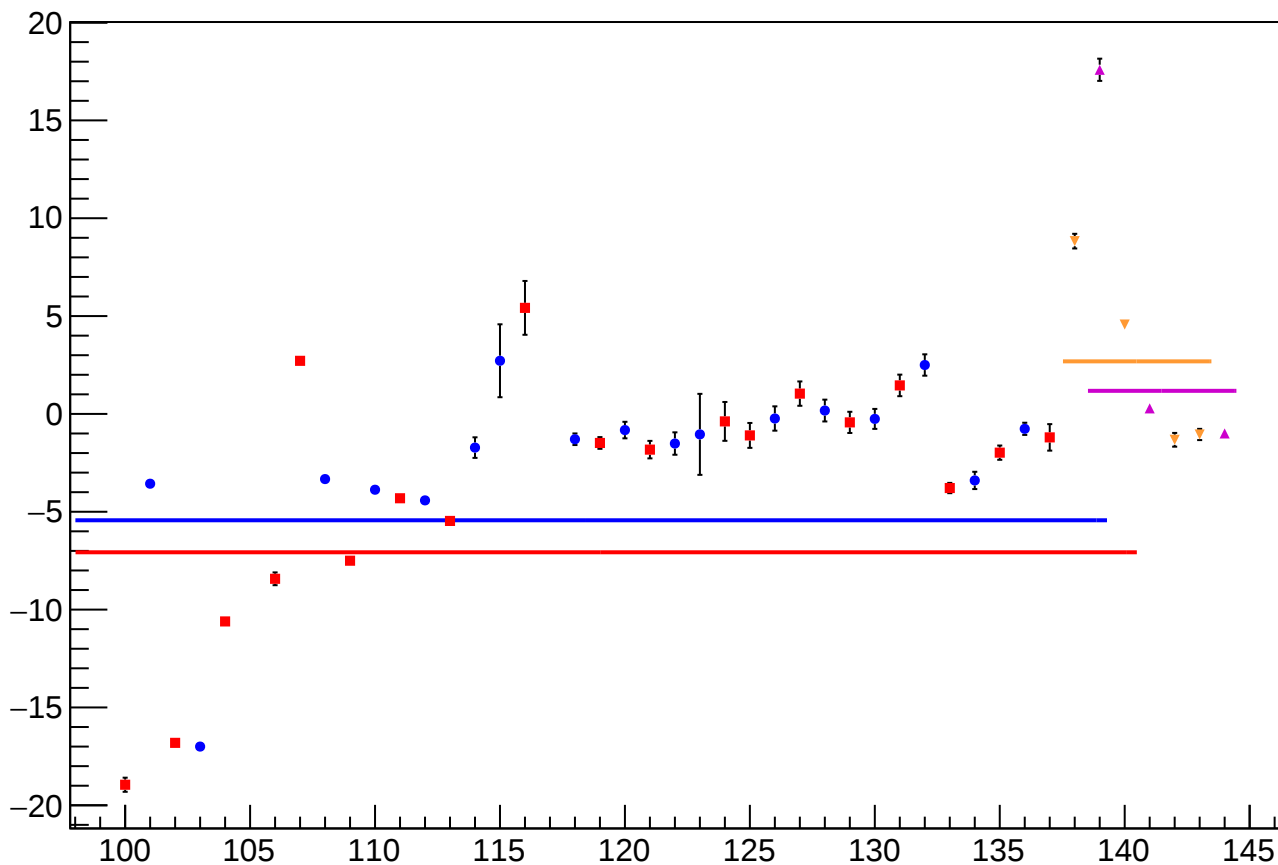
Left In: -4.476+/-0.192 χ^2/NDF : 31.3/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -6.185+/-0.133 χ^2/NDF : 402.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.435+/-0.055 χ^2/NDF : 9226.6/16

Left Out: 2.686+/-0.148 χ^2/NDF : 633.1/3

Right Out: -7.071+/-0.059 χ^2/NDF : 12294.3/18

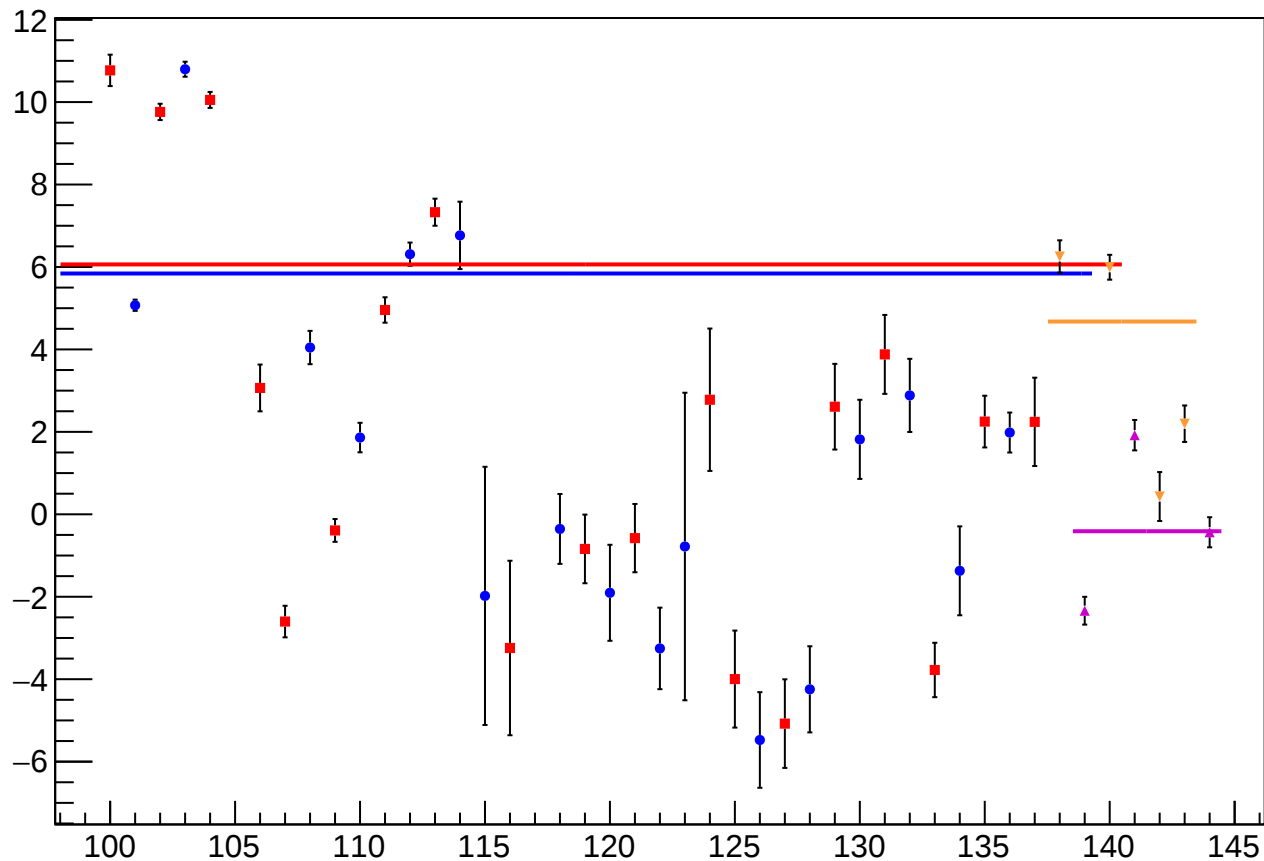
Left In: 1.180+/-0.167 χ^2/NDF : 928.0/2

+ sign -4.457+/-0.051 χ^2/NDF : 12497.7/20

All: -5.238+/-0.038 χ^2/NDF : 28398.0/42

- sign -6.150+/-0.056 χ^2/NDF : 15401.1/21

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.842 $\pm$ 0.090 χ^2 /NDF: 1436.5/16

Left Out: 4.677 $\pm$ 0.198 χ^2 /NDF:117.8/3

Right Out: 6.062 $\pm$ 0.093 χ^2 /NDF: 2664.6/18

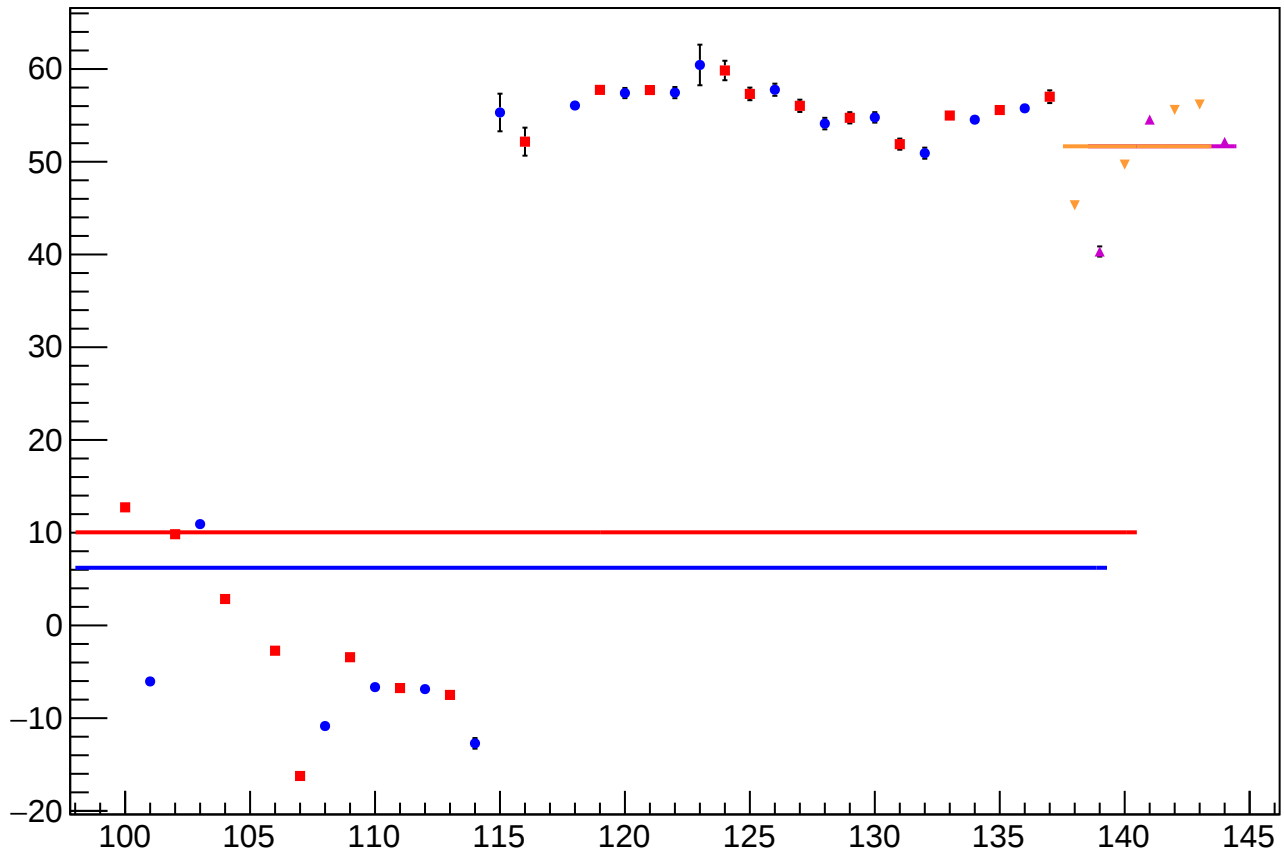
Left In: -0.411 $\pm$ 0.206 χ^2 /NDF:72.5/2

+ sign 5.644 $\pm$ 0.082 χ^2 /NDF: 1583.0/20

All: 5.313 $\pm$ 0.059 χ^2 /NDF: 5175.4/42

- sign 4.956 $\pm$ 0.085 χ^2 /NDF: 3558.4/21

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.217 ± 0.065 χ^2/NDF : 120600.0/16

Left Out: 51.665 ± 0.177 χ^2/NDF : 530.3/3

Right Out: 10.040 ± 0.070 χ^2/NDF : 121726.0/18

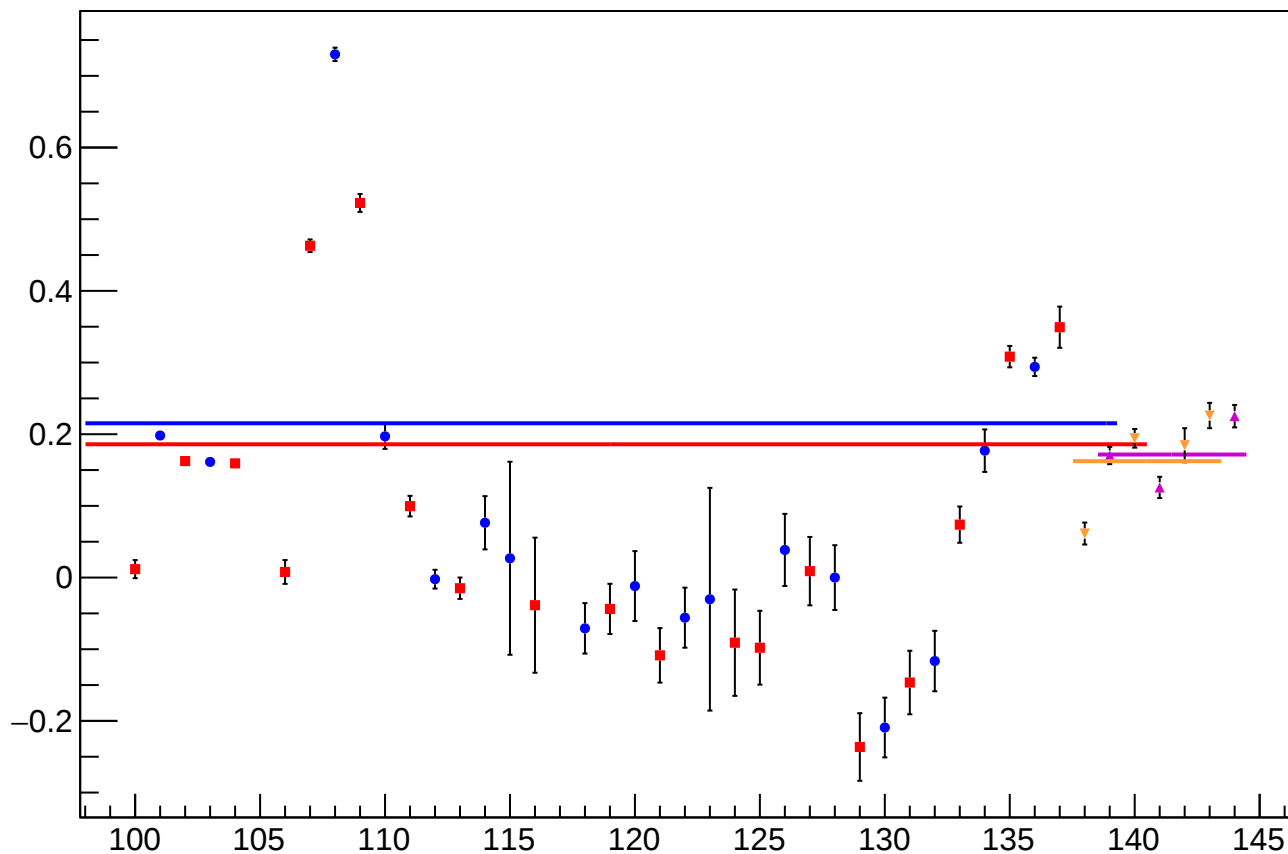
Left In: 51.668 ± 0.194 χ^2/NDF : 526.2/2

+ sign 11.612 ± 0.061 χ^2/NDF : 179413.5/20

All: 13.089 ± 0.045 χ^2/NDF : 343712.3/42

- sign 14.807 ± 0.066 χ^2/NDF : 163025.6/21

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3923.9/16

Left Out: 0.162 $\pm$ 0.008 χ^2 /NDF: 63.3/3

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2715.5/18

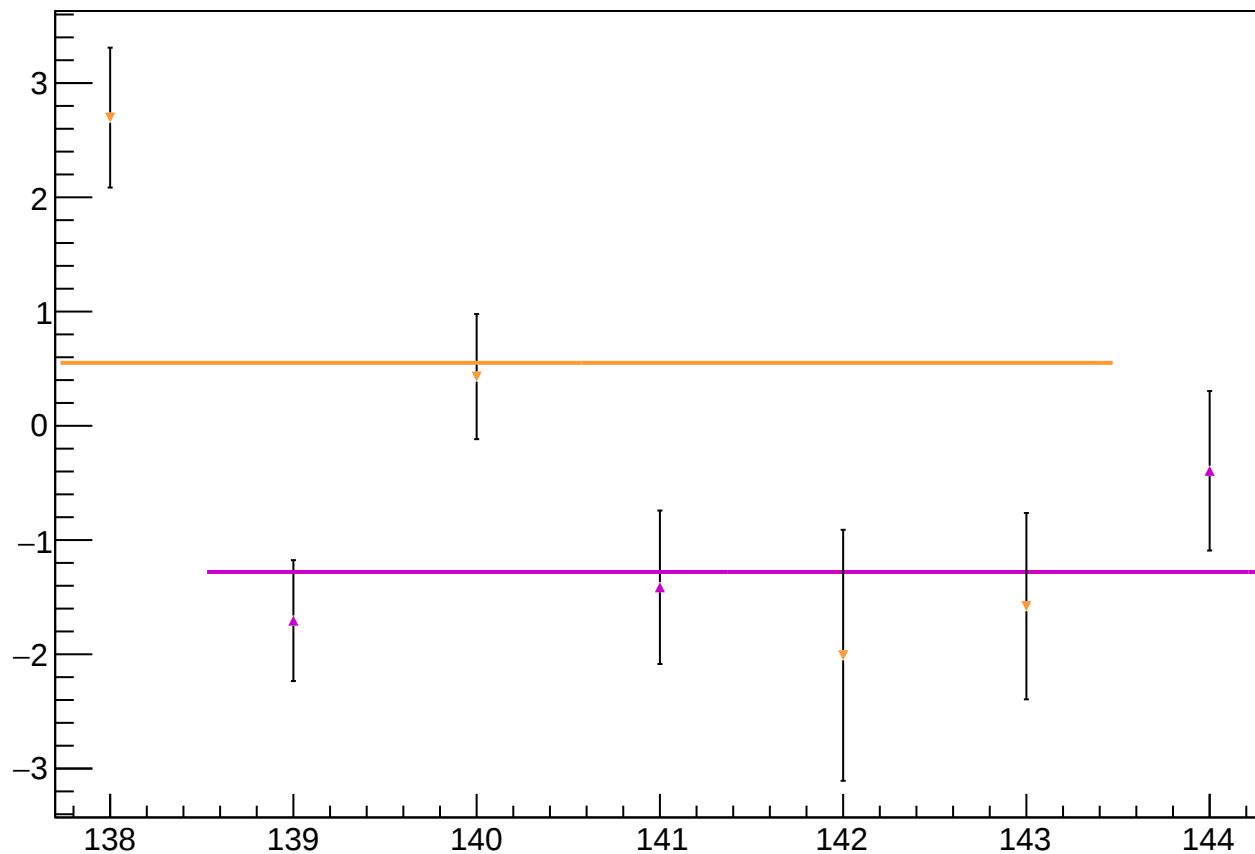
Left In: 0.172 $\pm$ 0.008 χ^2 /NDF: 21.2/2

+ sign 0.210 $\pm$ 0.003 χ^2 /NDF: 4025.1/20

All: 0.197 $\pm$ 0.002 χ^2 /NDF: 6812.2/42

- sign 0.185 $\pm$ 0.003 χ^2 /NDF: 2739.6/21

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: 0.551 $\pm$ 0.346 χ^2 /NDF:24.6/3

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

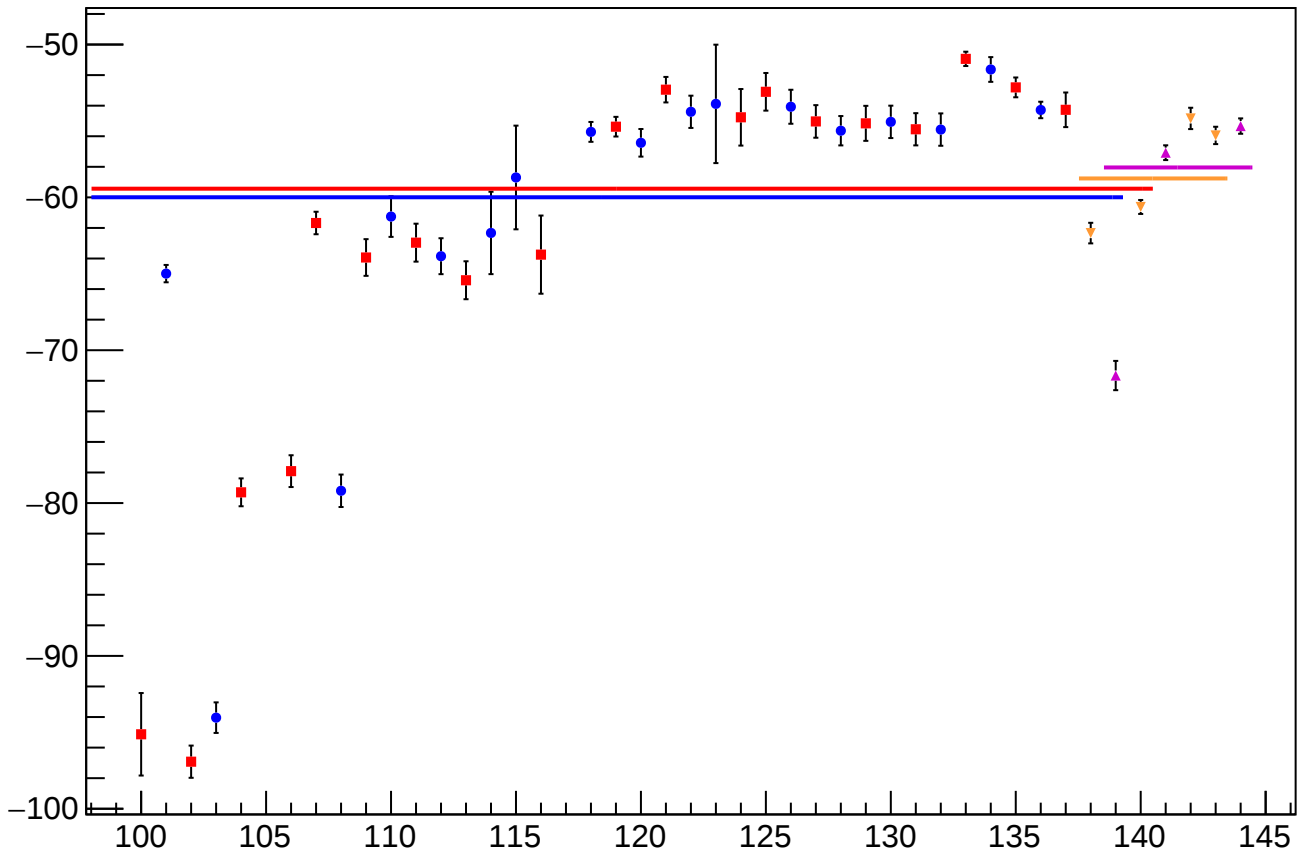
Left In: -1.279 $\pm$ 0.357 χ^2 /NDF:2.3/2

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

All: -0.336 $\pm$ 0.249 χ^2 /NDF: 40.4/6

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

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.993 ± 0.225 χ^2/NDF : 1973.4/16

Left Out: -58.762 ± 0.287 χ^2/NDF : 101.1/3

Right Out: -59.431 ± 0.212 χ^2/NDF : 2920.1/18

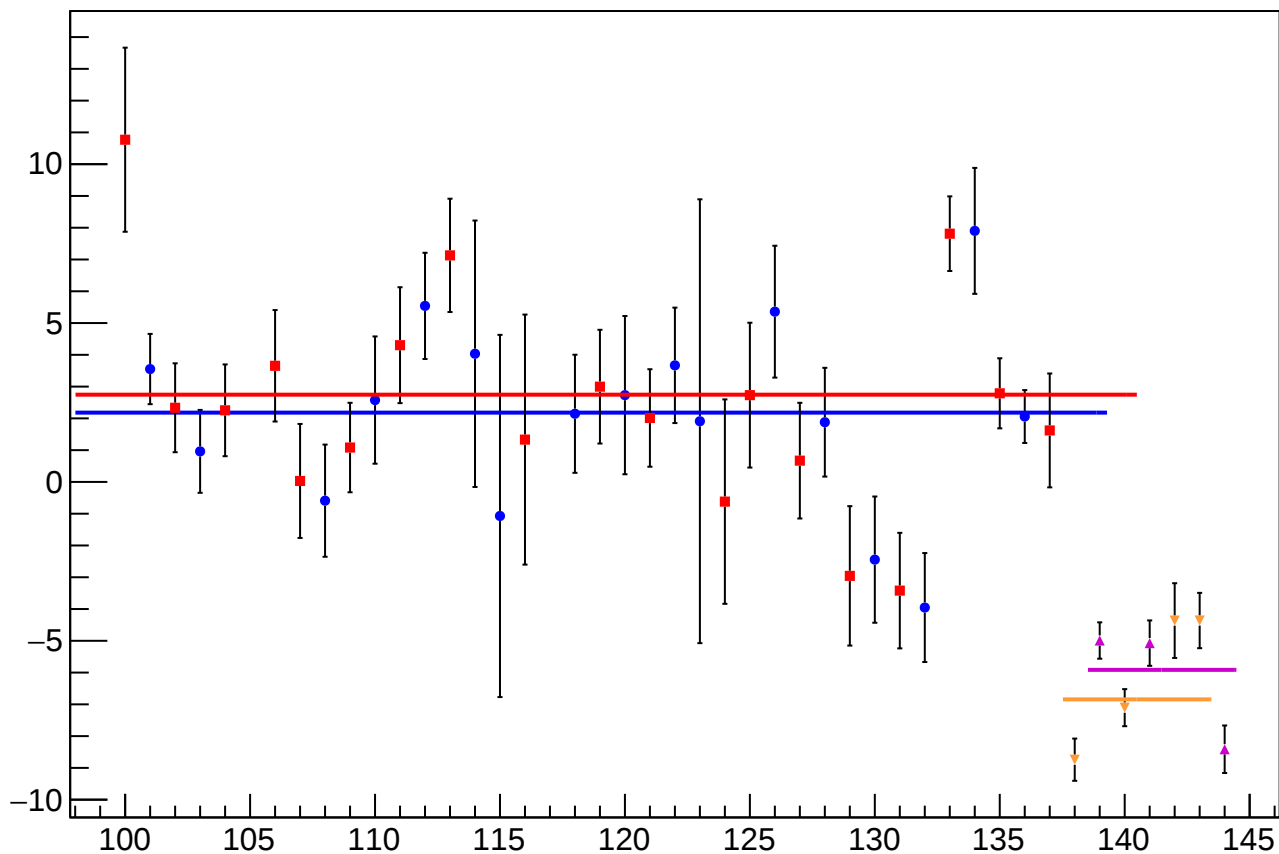
Left In: -58.043 ± 0.327 χ^2/NDF : 235.2/2

+ sign -59.524 ± 0.177 χ^2/NDF : 2085.9/20

All: -59.274 ± 0.126 χ^2/NDF : 5257.9/42

- sign -59.021 ± 0.178 χ^2/NDF : 3168.0/21

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 χ^2/NDF : 39.2/16

Left Out: -6.844 ± 0.371 χ^2/NDF : 20.9/3

Right Out: 2.746 ± 0.388 χ^2/NDF : 58.7/18

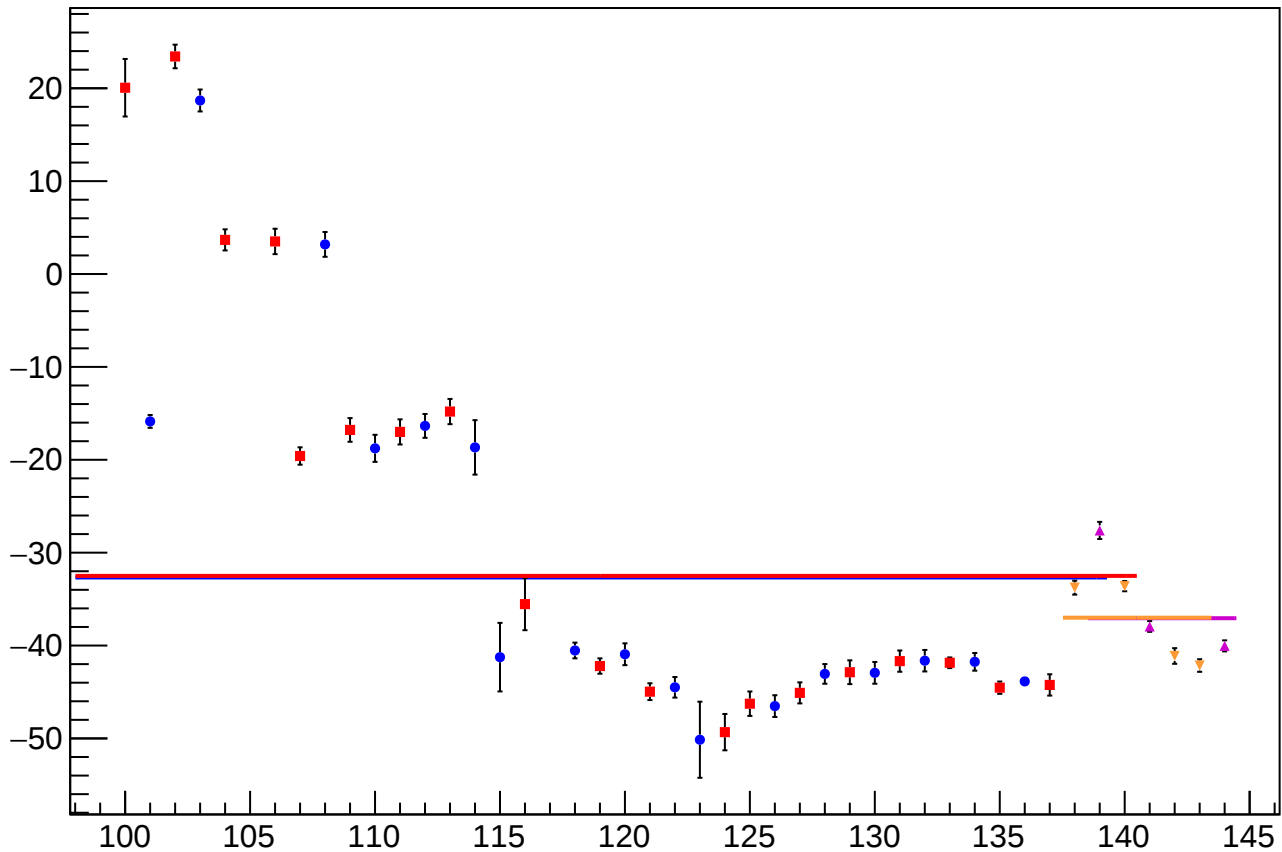
Left In: -5.914 ± 0.383 χ^2/NDF : 15.2/2

+ sign -2.732 ± 0.274 χ^2/NDF : 329.0/20

All: -2.184 ± 0.193 χ^2/NDF : 662.5/42

- sign -1.641 ± 0.273 χ^2/NDF : 325.6/21

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.671 ± 0.256 $\chi^2/\text{NDF}: 4642.6/16$

Left Out: -37.002 ± 0.340 $\chi^2/\text{NDF}: 138.3/3$

Right Out: -32.501 ± 0.244 $\chi^2/\text{NDF}: 6042.9/18$

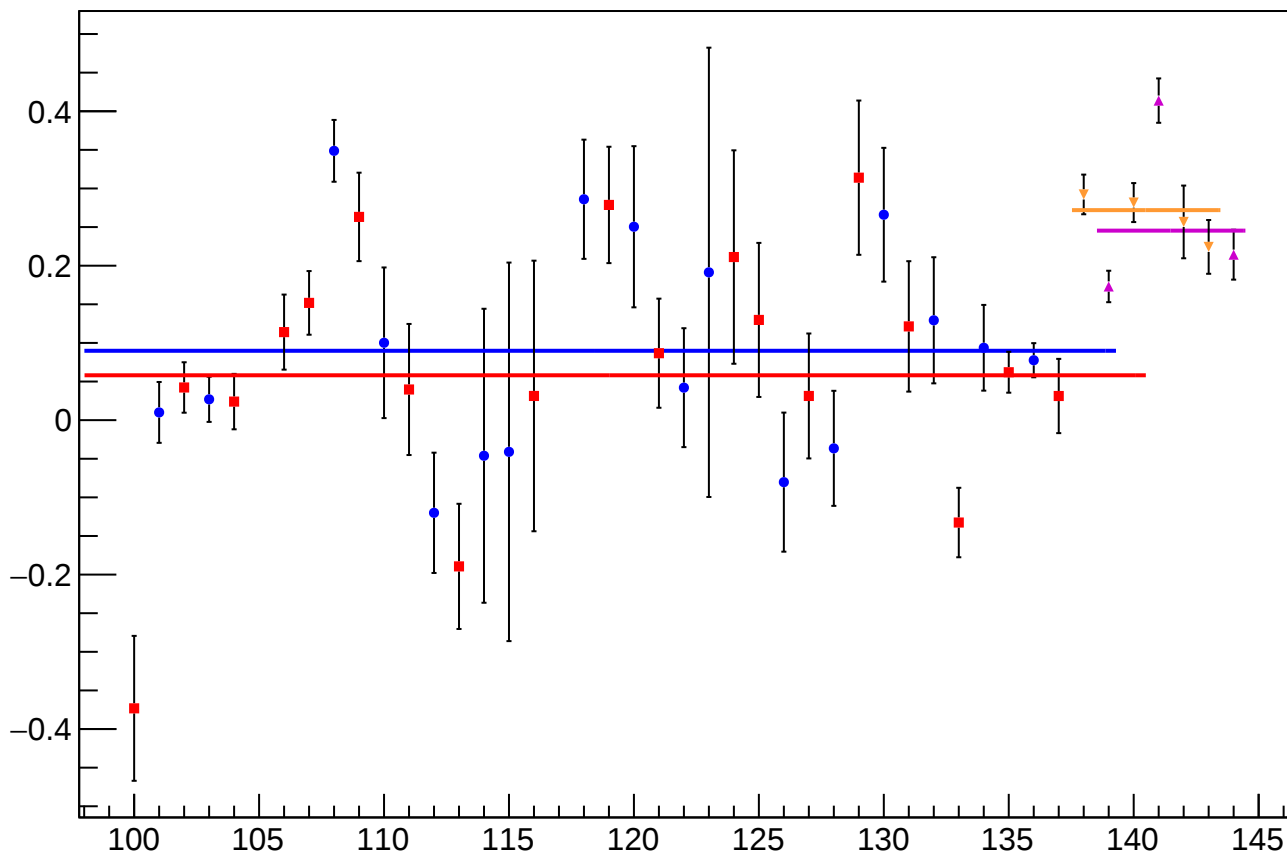
Left In: -37.057 ± 0.378 $\chi^2/\text{NDF}: 132.6/2$

+ sign -34.240 ± 0.204 $\chi^2/\text{NDF}: 4884.6/20$

All: -34.043 ± 0.145 $\chi^2/\text{NDF}: 11164.5/42$

- sign -33.844 ± 0.205 $\chi^2/\text{NDF}: 6278.1/21$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 χ^2/NDF : 79.1/16

Left Out: 0.272 ± 0.015 χ^2/NDF : 2.8/3

Right Out: 0.058 ± 0.012 χ^2/NDF : 87.0/18

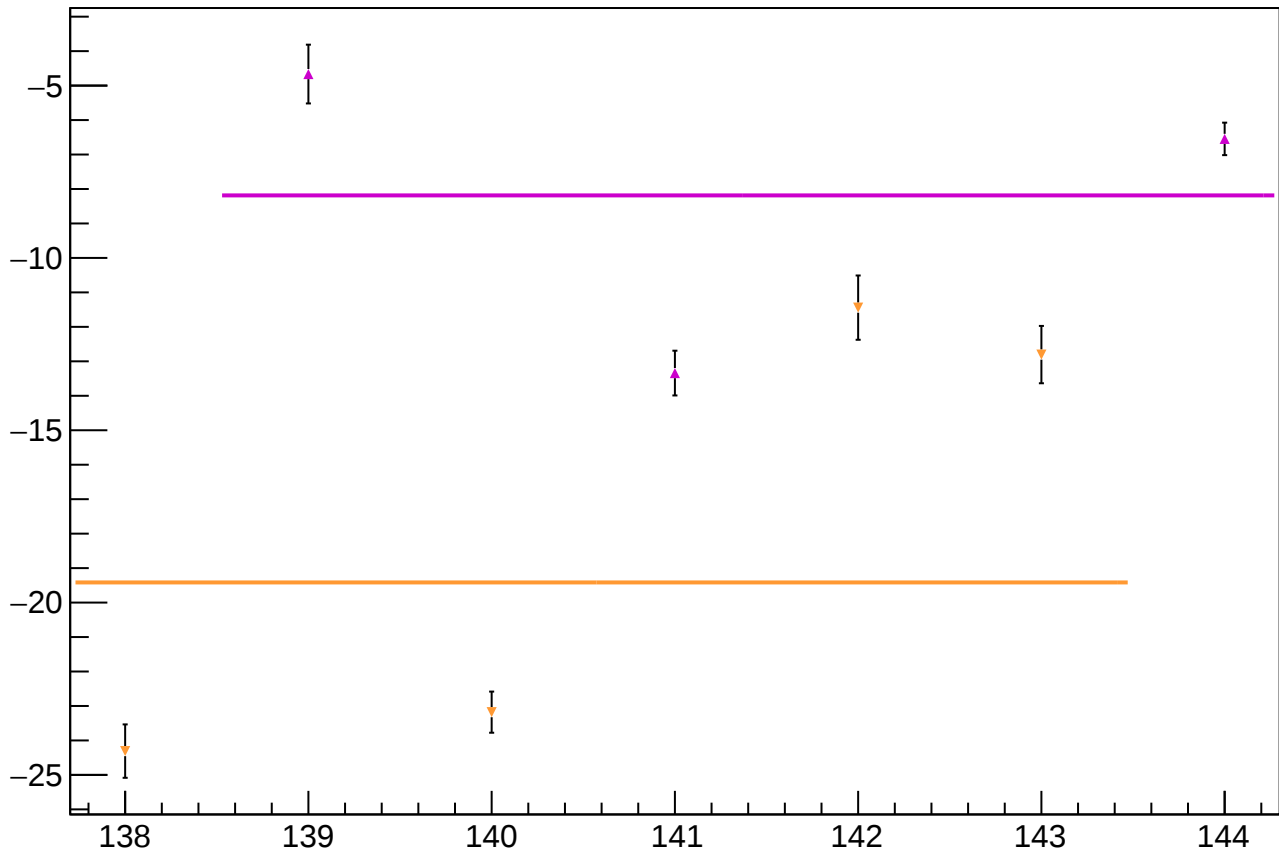
Left In: 0.245 ± 0.015 χ^2/NDF : 47.9/2

+ sign 0.165 ± 0.010 χ^2/NDF : 166.5/20

All: 0.149 ± 0.007 χ^2/NDF : 402.5/42

- sign 0.134 ± 0.009 χ^2/NDF : 230.5/21

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



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

Left Out: -19.416+/-0.376 χ^2/NDF : 215.9/3

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

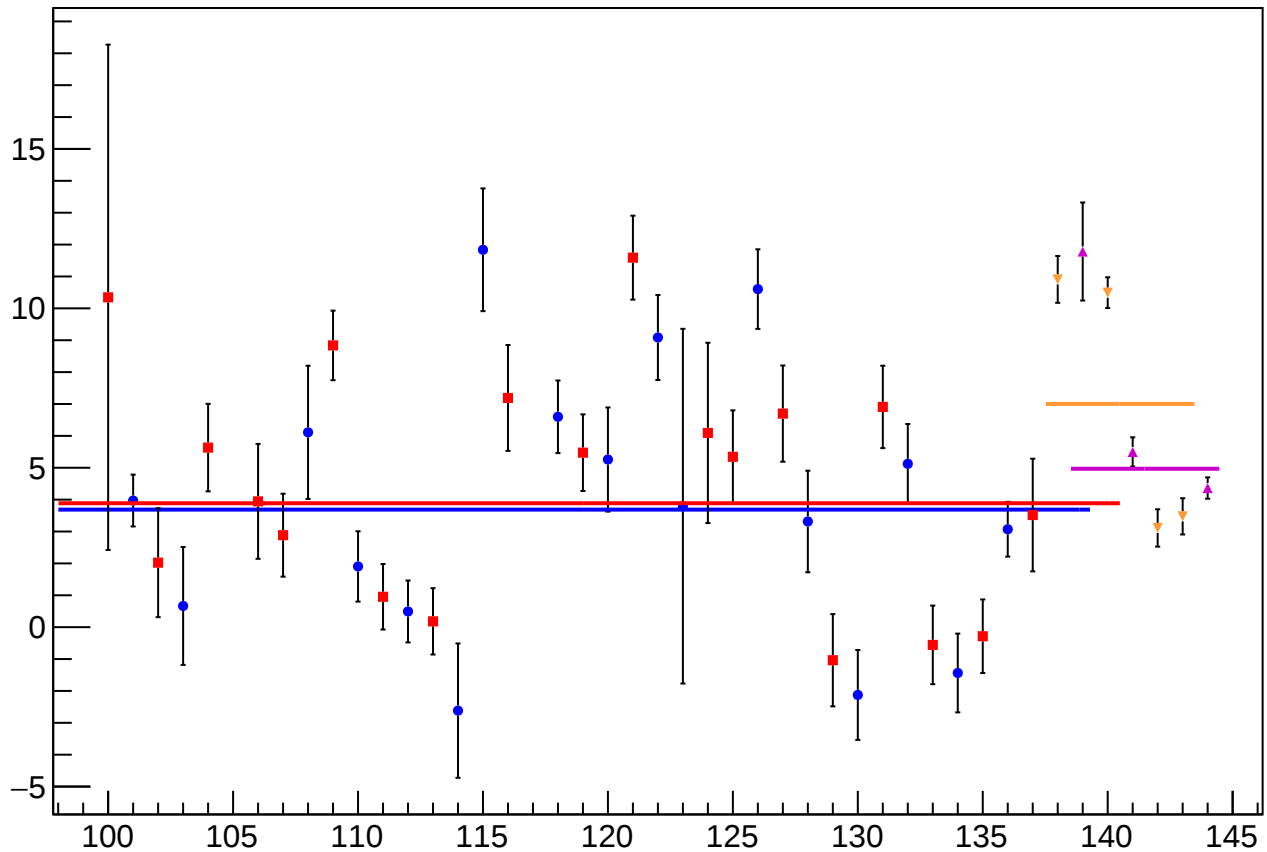
Left In: -8.186+/-0.348 χ^2/NDF : 92.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -13.366+/-0.255 χ^2/NDF : 788.3/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.687 ± 0.311 χ^2/NDF : 135.1/16

Left Out: 7.003 ± 0.287 χ^2/NDF : 163.0/3

Right Out: 3.887 ± 0.317 χ^2/NDF : 133.7/18

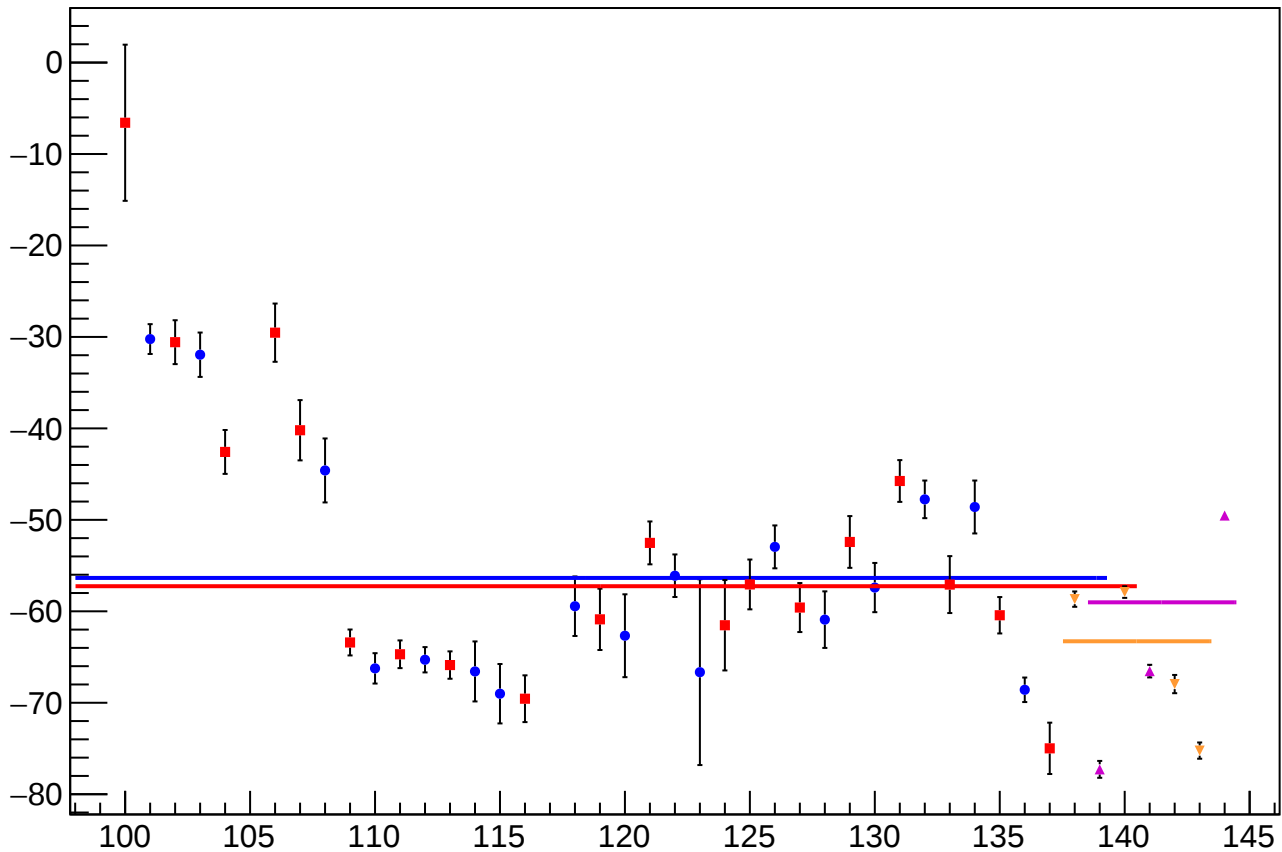
Left In: 4.969 ± 0.267 χ^2/NDF : 24.2/2

+ sign 5.478 ± 0.211 χ^2/NDF : 359.6/20

All: 4.983 ± 0.147 χ^2/NDF : 535.0/42

- sign 4.520 ± 0.204 χ^2/NDF : 164.7/21

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.351 ± 0.544 $\chi^2/\text{NDF}: 587.4/16$

Left Out: -63.277 ± 0.403 $\chi^2/\text{NDF}: 305.2/3$

Right Out: -57.256 ± 0.537 $\chi^2/\text{NDF}: 475.7/18$

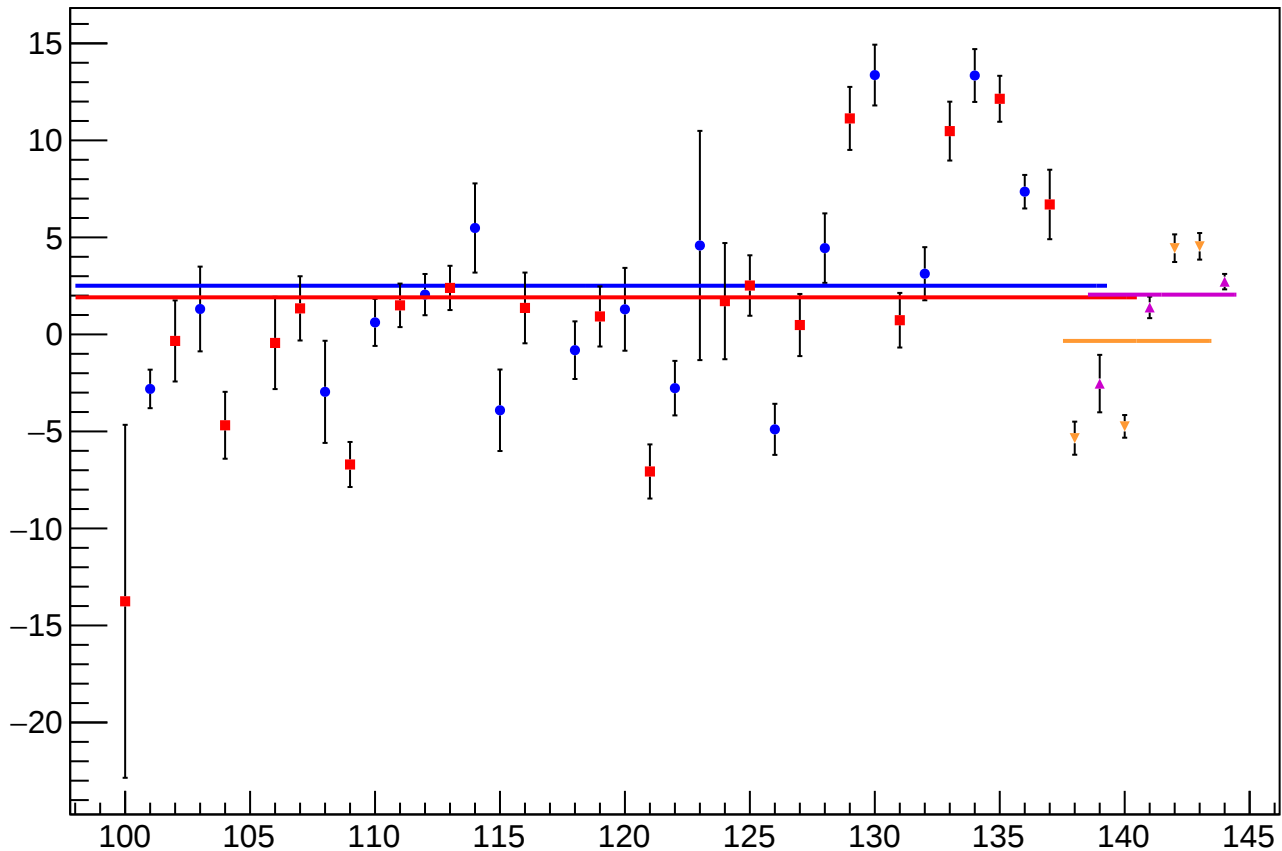
Left In: -59.018 ± 0.373 $\chi^2/\text{NDF}: 863.5/2$

+ sign -60.827 ± 0.324 $\chi^2/\text{NDF}: 997.3/20$

All: -59.570 ± 0.222 $\chi^2/\text{NDF}: 2372.4/42$

- sign -58.445 ± 0.306 $\chi^2/\text{NDF}: 1346.5/21$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.509 ± 0.348 χ^2/NDF : 242.2/16

Left Out: -0.335 ± 0.345 χ^2/NDF : 187.0/3

Right Out: 1.911 ± 0.356 χ^2/NDF : 264.6/18

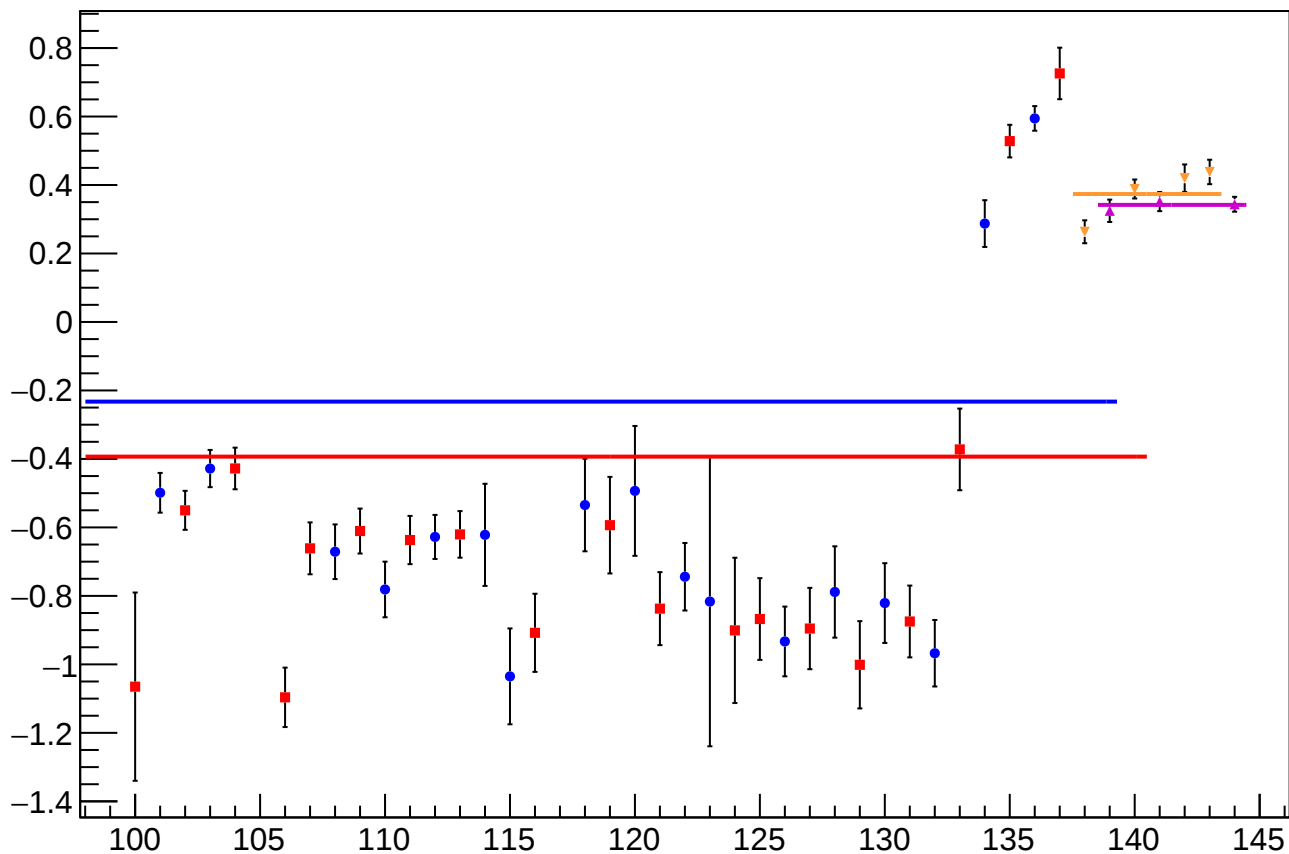
Left In: 2.049 ± 0.316 χ^2/NDF : 13.8/2

+ sign 1.075 ± 0.245 χ^2/NDF : 462.9/20

All: 1.548 ± 0.170 χ^2/NDF : 748.6/42

- sign 1.988 ± 0.236 χ^2/NDF : 278.5/21

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 957.0/16

Left Out: 0.374 ± 0.017 χ^2/NDF : 15.7/3

Right Out: -0.393 ± 0.019 χ^2/NDF : 844.6/18

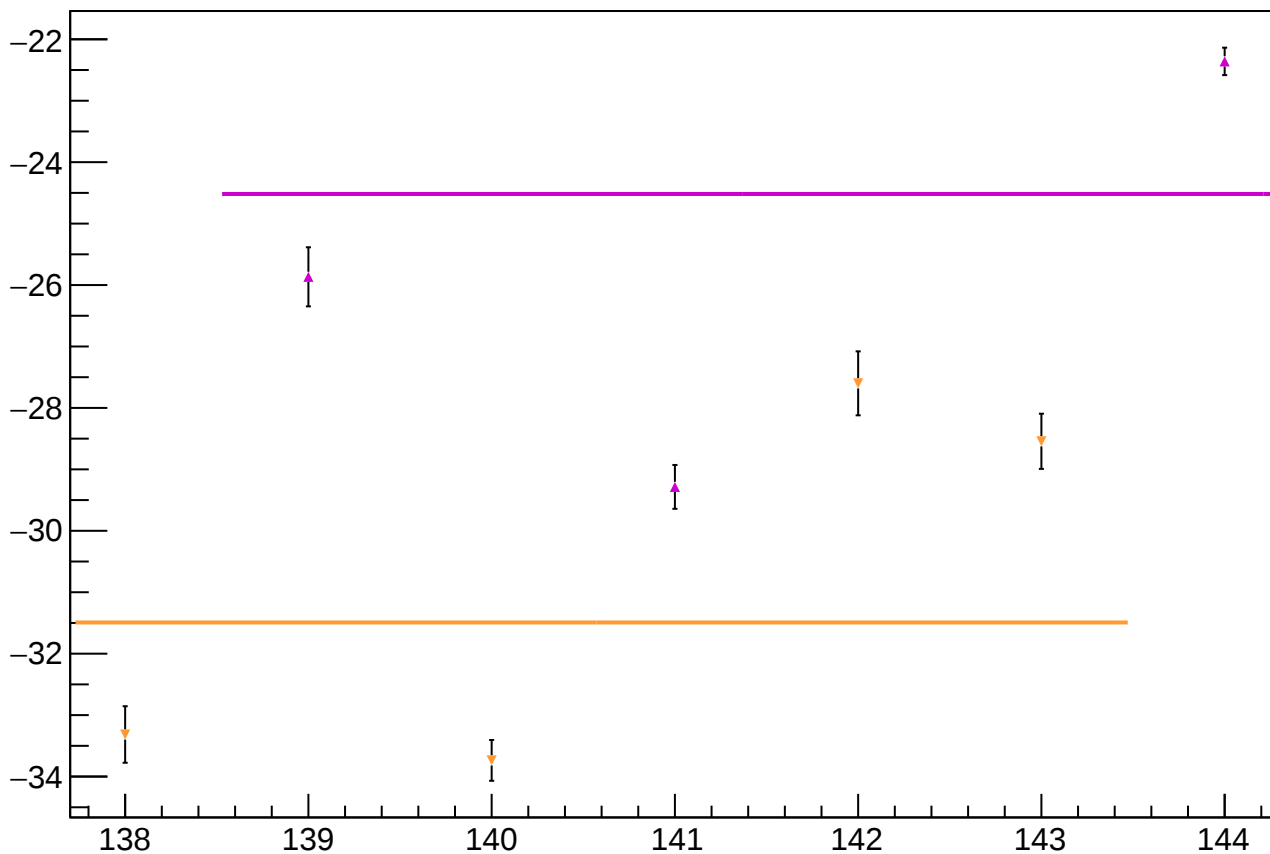
Left In: 0.342 ± 0.015 χ^2/NDF : 0.4/2

+ sign 0.109 ± 0.013 χ^2/NDF : 1551.0/20

All: 0.081 ± 0.009 χ^2/NDF : 3318.8/42

- sign 0.055 ± 0.012 χ^2/NDF : 1758.1/21

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.492+/-0.211 χ^2/NDF : 160.4/3

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

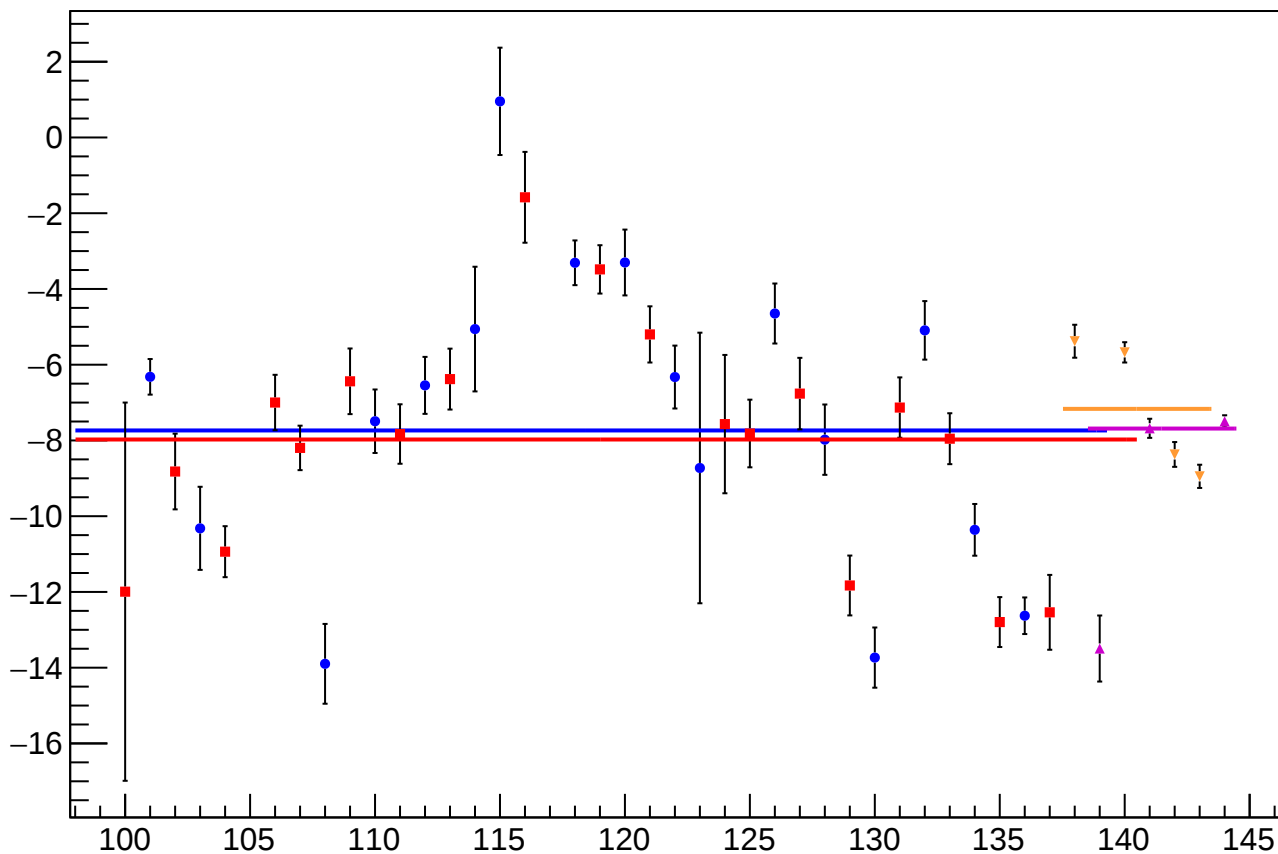
Left In: -24.518+/-0.176 χ^2/NDF : 279.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -27.382+/-0.135 χ^2/NDF : 1083.5/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.736 ± 0.187 χ^2/NDF : 378.1/16

Left Out: -7.166 ± 0.160 χ^2/NDF : 95.1/3

Right Out: -7.975 ± 0.186 χ^2/NDF : 223.2/18

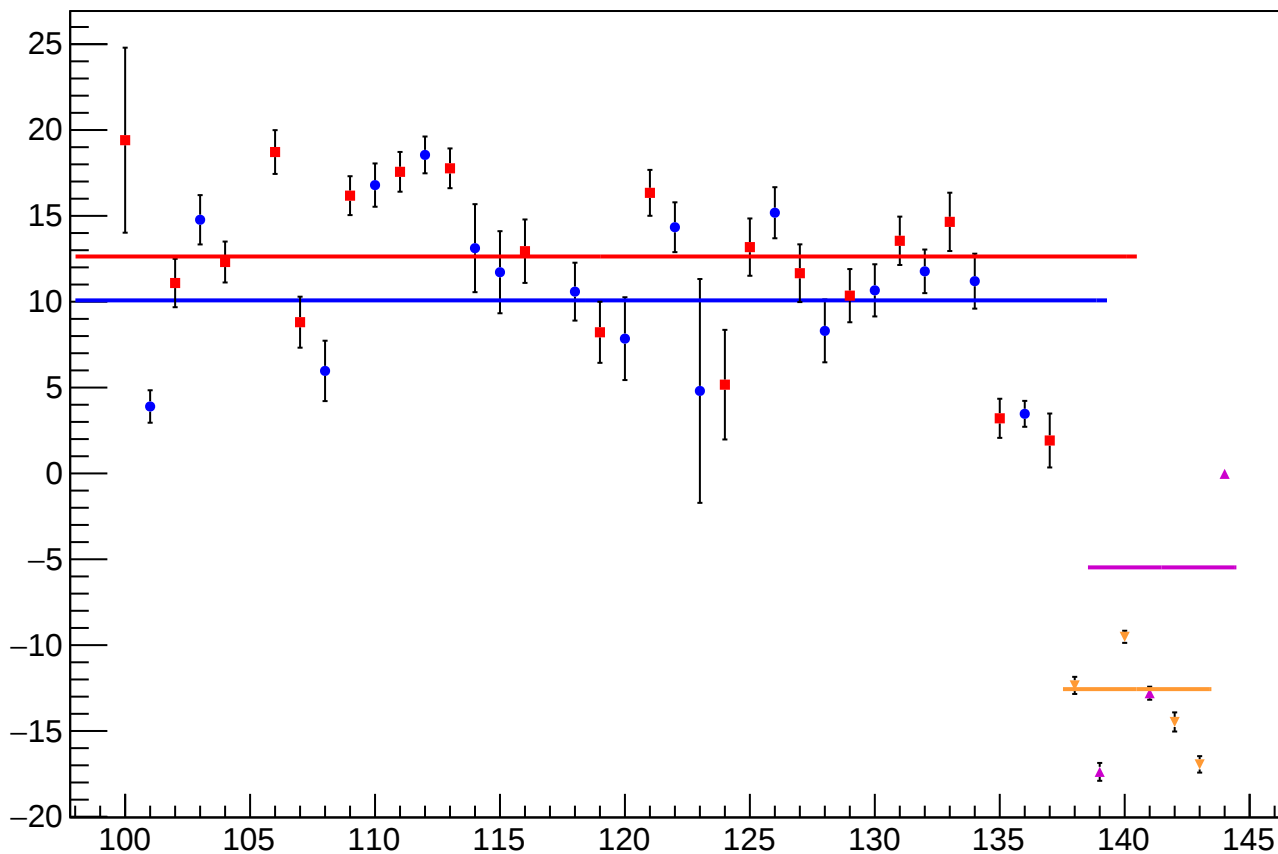
Left In: -7.686 ± 0.133 χ^2/NDF : 45.8/2

+ sign -7.406 ± 0.122 χ^2/NDF : 478.5/20

All: -7.617 ± 0.081 χ^2/NDF : 754.5/42

- sign -7.784 ± 0.108 χ^2/NDF : 270.6/21

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.078 ± 0.339 χ^2/NDF : 253.6/16

Left Out: -12.562 ± 0.226 χ^2/NDF : 169.9/3

Right Out: 12.634 ± 0.333 χ^2/NDF : 218.7/18

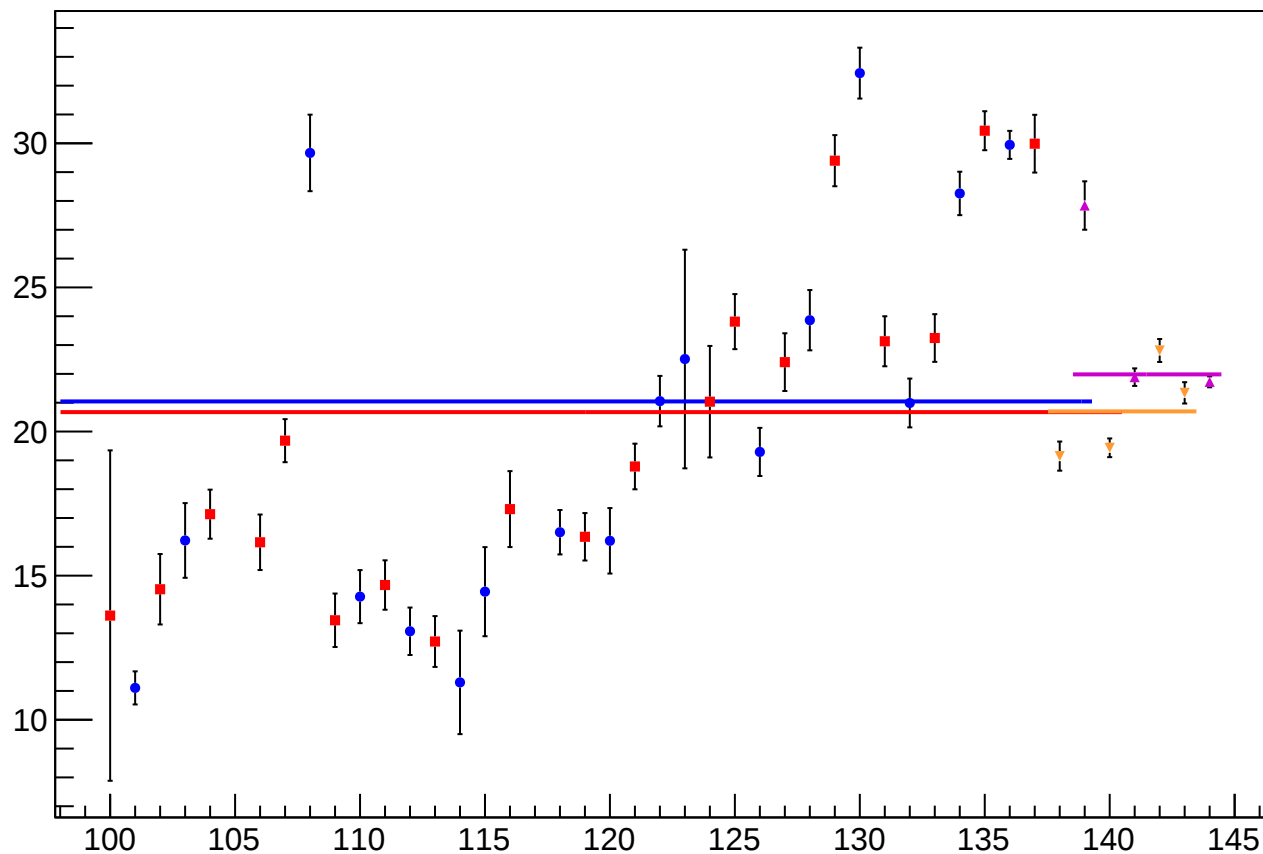
Left In: -5.472 ± 0.189 χ^2/NDF : 1414.2/2

+ sign -5.589 ± 0.188 χ^2/NDF : 3518.5/20

All: -3.029 ± 0.124 χ^2/NDF : 7714.3/42

- sign -1.073 ± 0.164 χ^2/NDF : 3868.2/21

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.045 $\pm$ 0.211 χ^2 /NDF: 1209.4/16

Left Out: 20.699 $\pm$ 0.192 χ^2 /NDF: 55.8/3

Right Out: 20.674 $\pm$ 0.213 χ^2 /NDF: 721.7/18

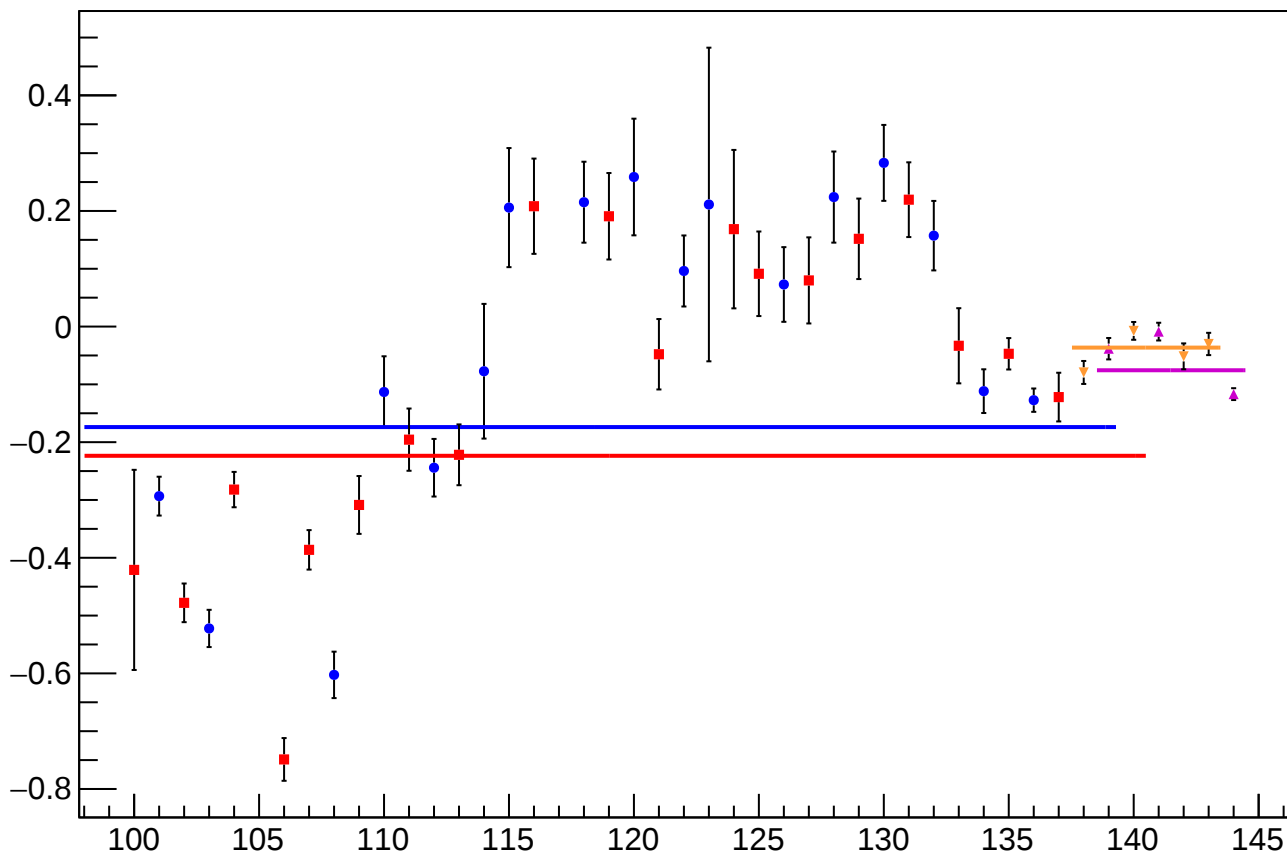
Left In: 21.983 $\pm$ 0.158 χ^2 /NDF: 50.6/2

+ sign 20.856 $\pm$ 0.142 χ^2 /NDF: 1266.6/20

All: 21.226 $\pm$ 0.095 χ^2 /NDF: 2075.4/42

- sign 21.520 $\pm$ 0.127 χ^2 /NDF: 796.7/21

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.174 ± 0.011 χ^2/NDF : 458.2/16

Left Out: -0.036 ± 0.009 χ^2/NDF : 8.8/3

Right Out: -0.224 ± 0.011 χ^2/NDF : 533.0/18

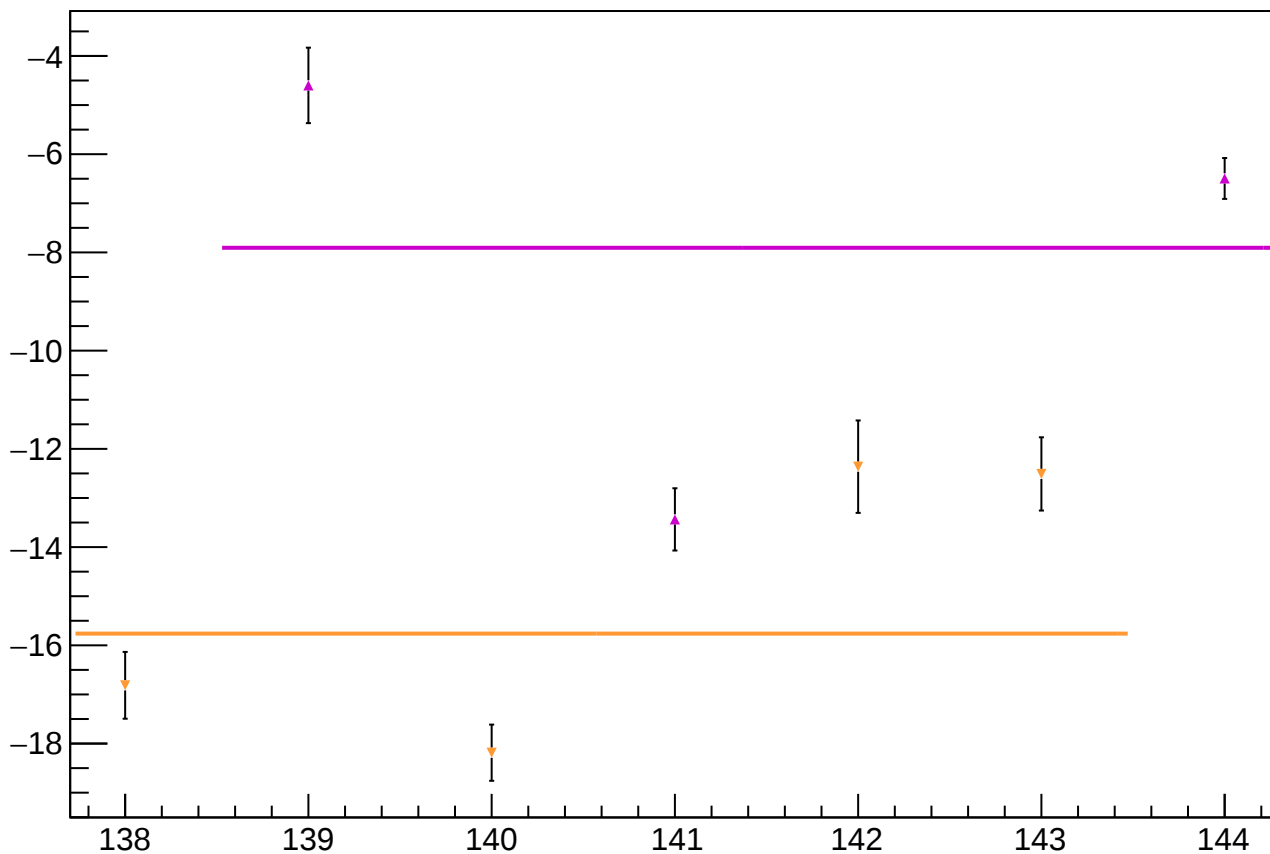
Left In: -0.076 ± 0.008 χ^2/NDF : 39.3/2

+ sign -0.093 ± 0.007 χ^2/NDF : 555.6/20

All: -0.111 ± 0.005 χ^2/NDF : 1260.5/42

- sign -0.125 ± 0.006 χ^2/NDF : 693.7/21

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -15.761+/-0.350 χ^2/NDF : 52.4/3

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

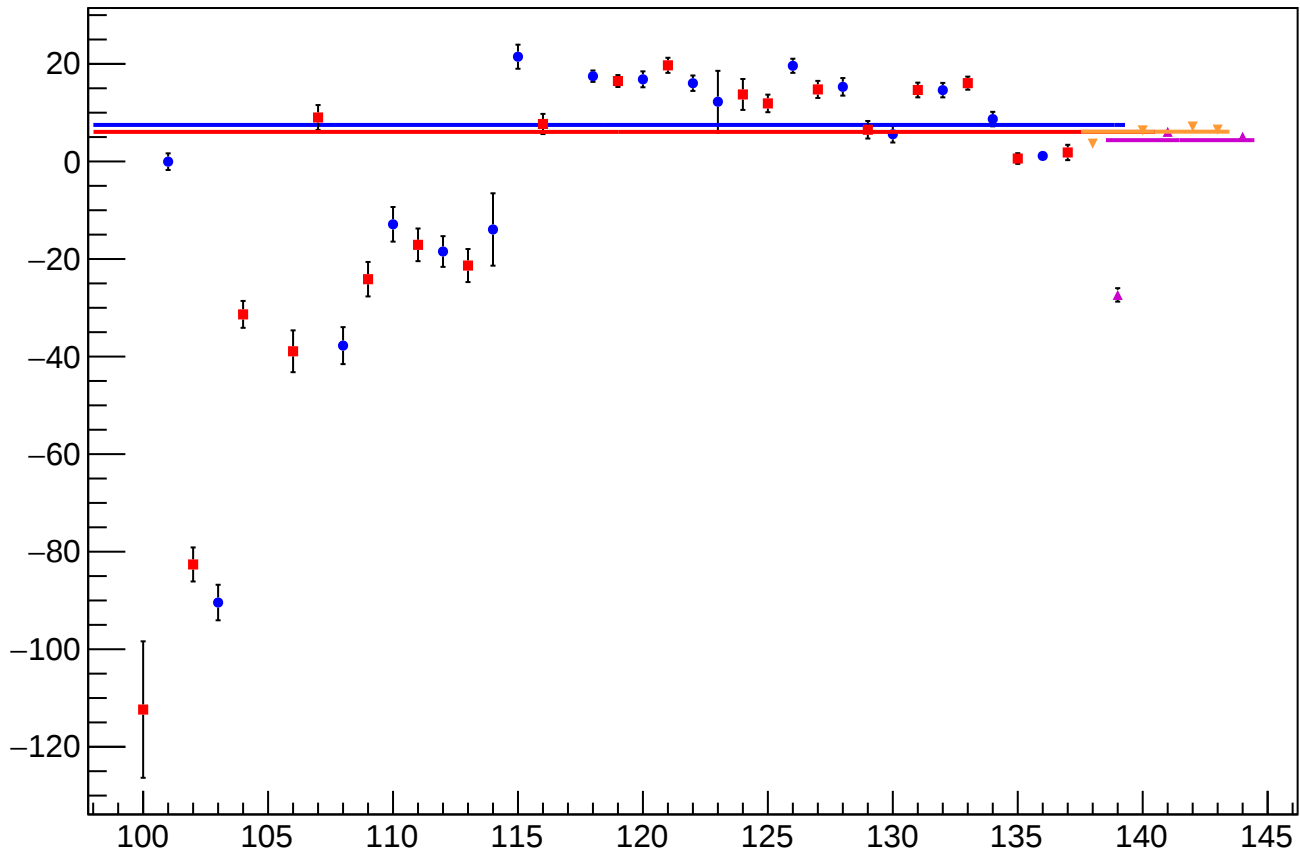
Left In: -7.906+/-0.317 χ^2/NDF : 106.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.439+/-0.235 χ^2/NDF : 435.1/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.489 ± 0.407 χ^2/NDF : 1340.6/16

Left Out: 6.108 ± 0.270 χ^2/NDF : 18.5/3

Right Out: 6.061 ± 0.435 χ^2/NDF : 1511.9/18

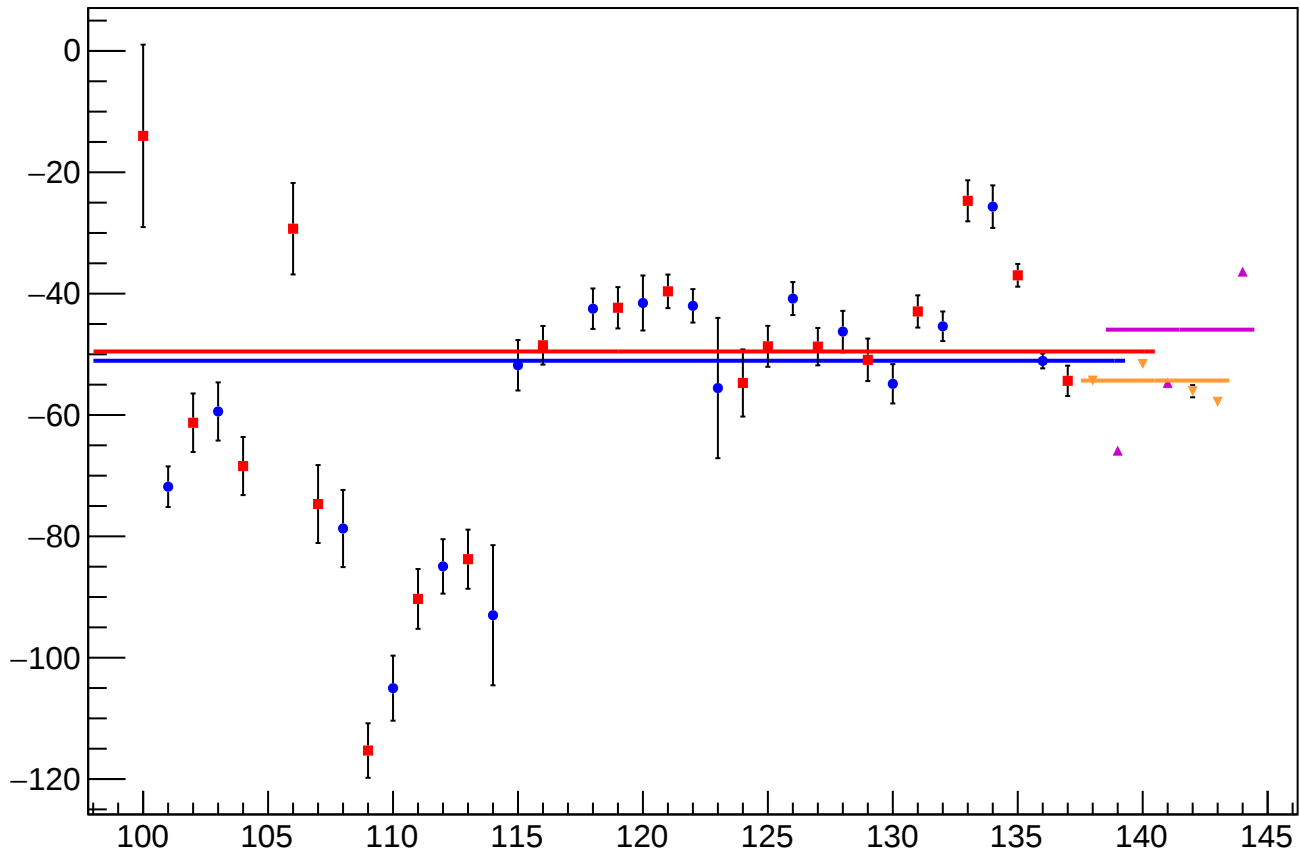
Left In: 4.365 ± 0.244 χ^2/NDF : 547.5/2

+ sign 6.530 ± 0.225 χ^2/NDF : 1367.0/20

All: 5.600 ± 0.155 χ^2/NDF : 3470.3/42

- sign 4.770 ± 0.213 χ^2/NDF : 2071.0/21

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.060 $\pm$ 0.742 χ^2 /NDF: 329.6/16

Left Out: -54.319 $\pm$ 0.375 χ^2 /NDF: 42.5/3

Right Out: -49.531 $\pm$ 0.800 χ^2 /NDF: 509.2/18

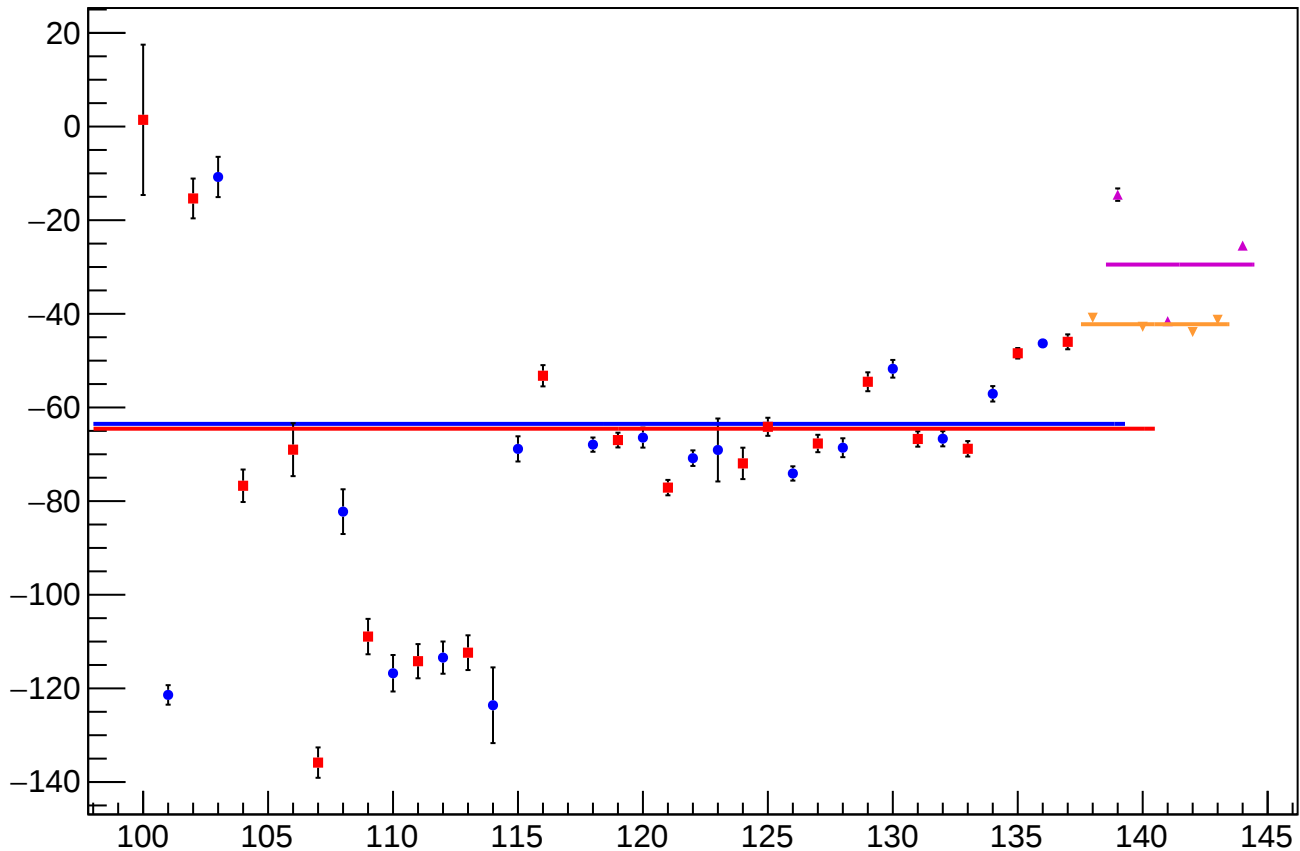
Left In: -45.934 $\pm$ 0.340 χ^2 /NDF: 1203.9/2

+ sign -53.655 $\pm$ 0.335 χ^2 /NDF: 387.4/20

All: -49.823 $\pm$ 0.228 χ^2 /NDF: 2362.7/42

- sign -46.484 $\pm$ 0.313 χ^2 /NDF: 1730.2/21

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.501 ± 0.449 χ^2/NDF : 2006.3/16

Left Out: -42.221 ± 0.324 χ^2/NDF : 12.1/3

Right Out: -64.533 ± 0.484 χ^2/NDF : 1604.2/18

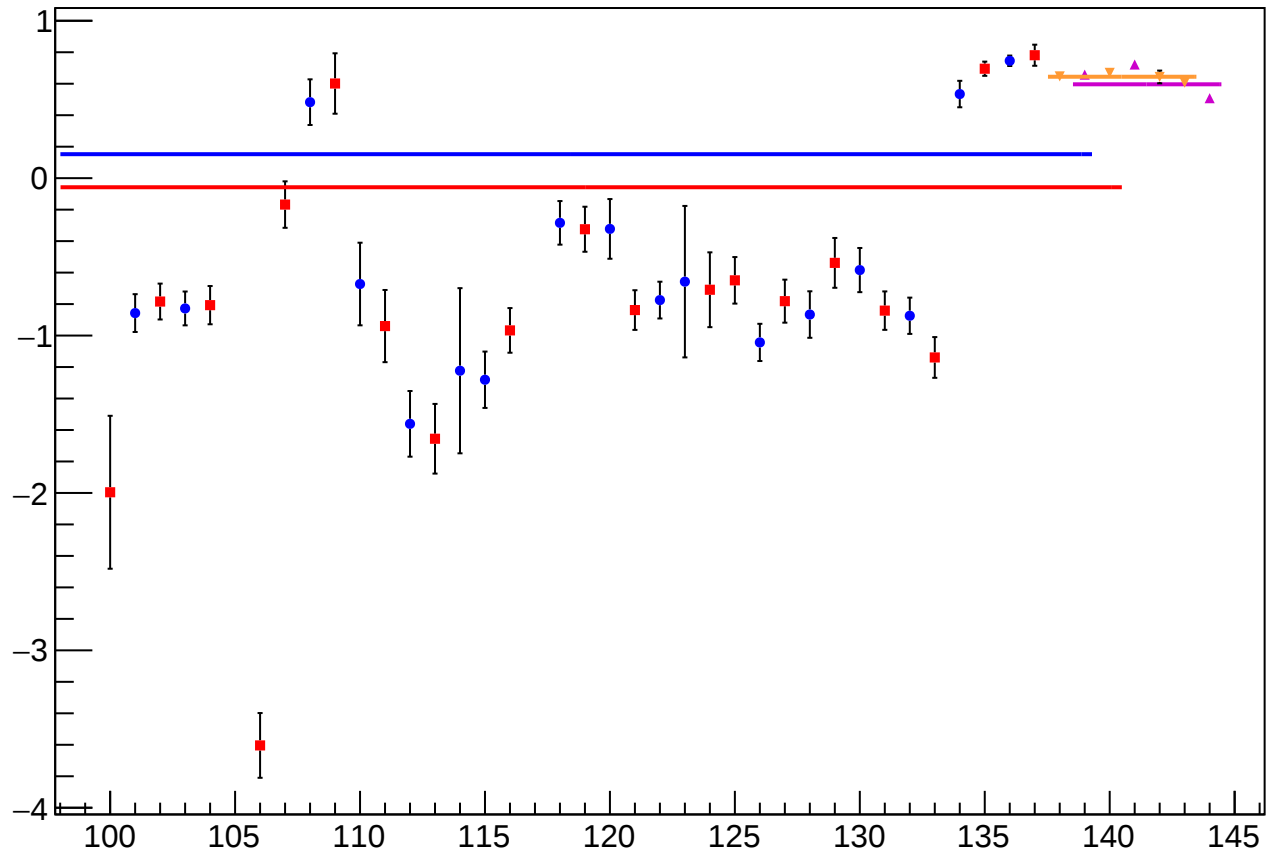
Left In: -29.477 ± 0.288 χ^2/NDF : 755.4/2

+ sign -49.509 ± 0.263 χ^2/NDF : 3493.9/20

All: -43.760 ± 0.180 χ^2/NDF : 10630.5/42

- sign -38.660 ± 0.248 χ^2/NDF : 6234.2/21

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

Left Out: 0.644 $\pm$ 0.016 χ^2 /NDF: 2.3/3

Right Out: -0.058 $\pm$ 0.026 χ^2 /NDF: 1160.4/18

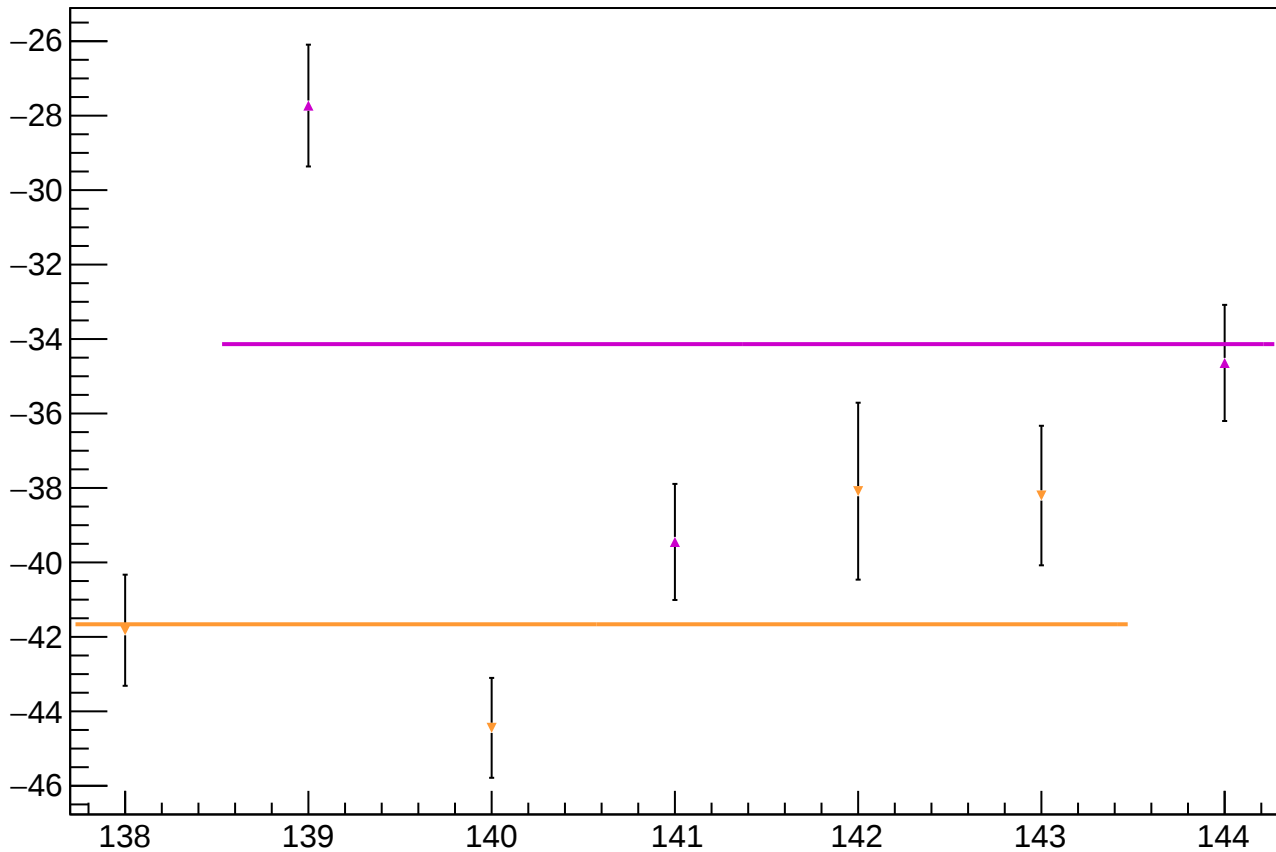
Left In: 0.596 $\pm$ 0.014 χ^2 /NDF: 46.9/2

+ sign 0.500 $\pm$ 0.013 χ^2 /NDF: 1285.3/20

All: 0.476 $\pm$ 0.009 χ^2 /NDF: 2982.9/42

- sign 0.455 $\pm$ 0.012 χ^2 /NDF: 1691.3/21

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -41.661+/-0.826 χ^2/NDF : 10.0/3

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

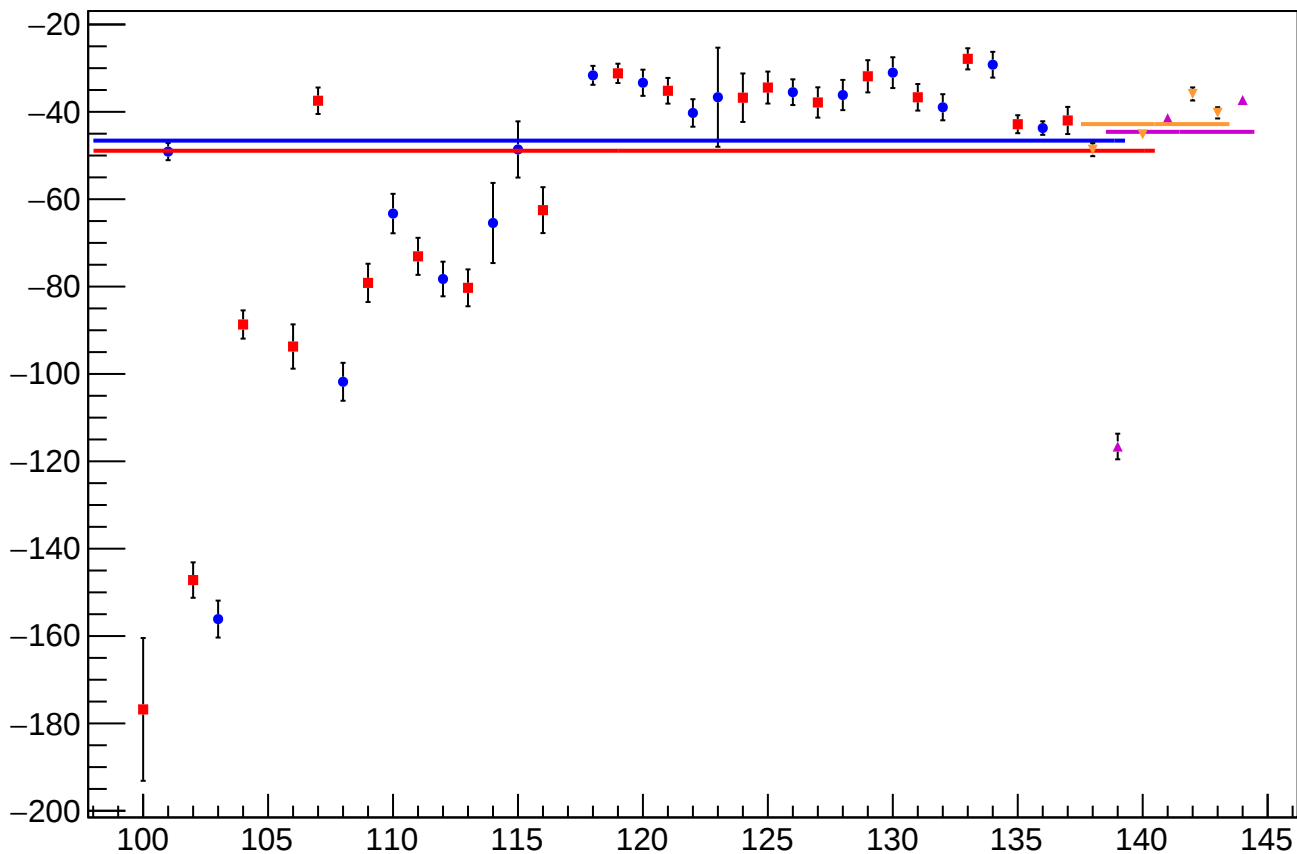
Left In: -34.137+/-0.914 χ^2/NDF : 27.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.281+/-0.613 χ^2/NDF : 74.4/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.587 ± 0.730 $\chi^2/\text{NDF}: 1076.0/16$

Left Out: -42.803 ± 0.655 $\chi^2/\text{NDF}: 45.3/3$

Right Out: -48.904 ± 0.764 $\chi^2/\text{NDF}: 1277.6/18$

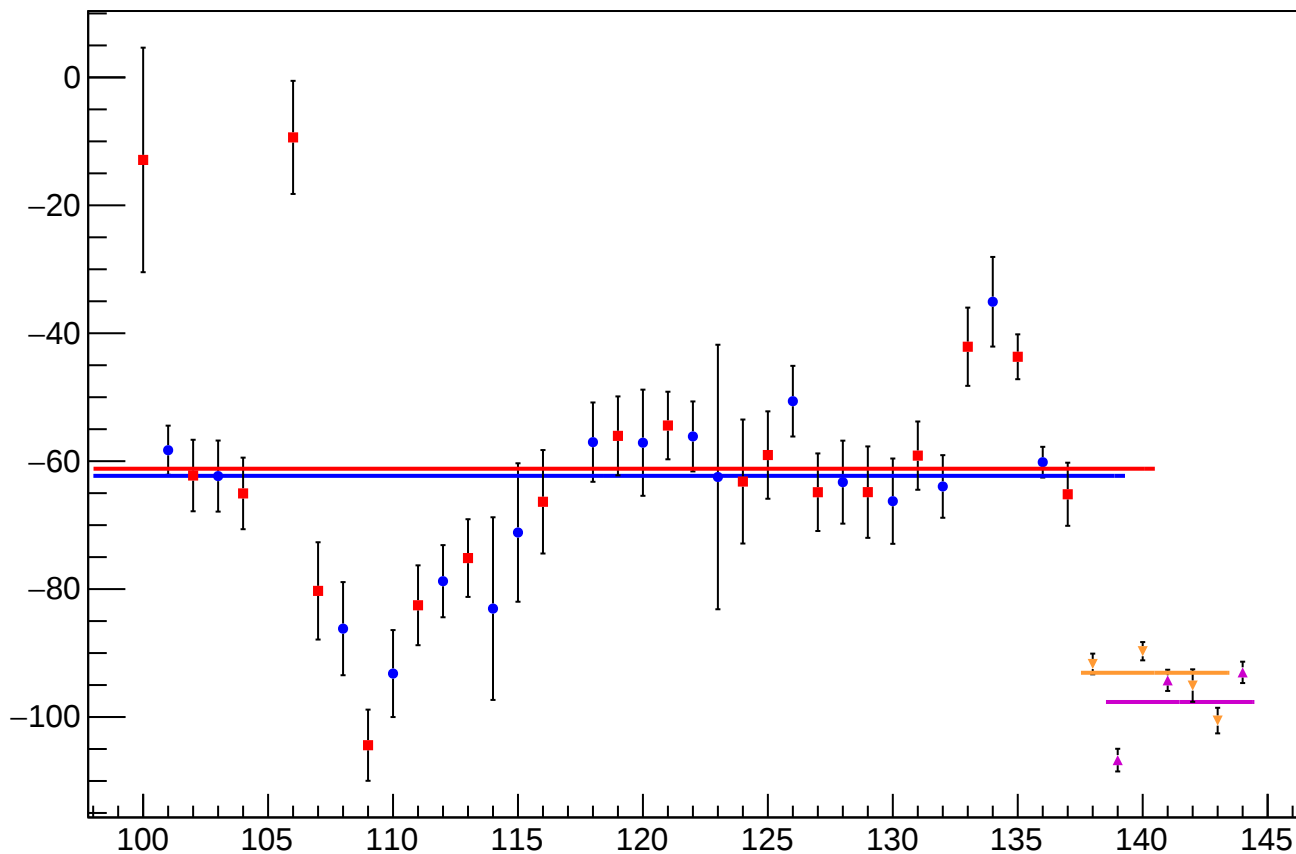
Left In: -44.576 ± 0.760 $\chi^2/\text{NDF}: 654.8/2$

+ sign -44.491 ± 0.488 $\chi^2/\text{NDF}: 1136.2/20$

All: -45.498 ± 0.362 $\chi^2/\text{NDF}: 3094.3/42$

- sign -46.727 ± 0.539 $\chi^2/\text{NDF}: 1948.6/21$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.294 ± 1.317 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -93.083 ± 0.885 $\chi^2/\text{NDF}: 20.9/3$

Right Out: -61.180 ± 1.383 $\chi^2/\text{NDF}: 165.0/18$

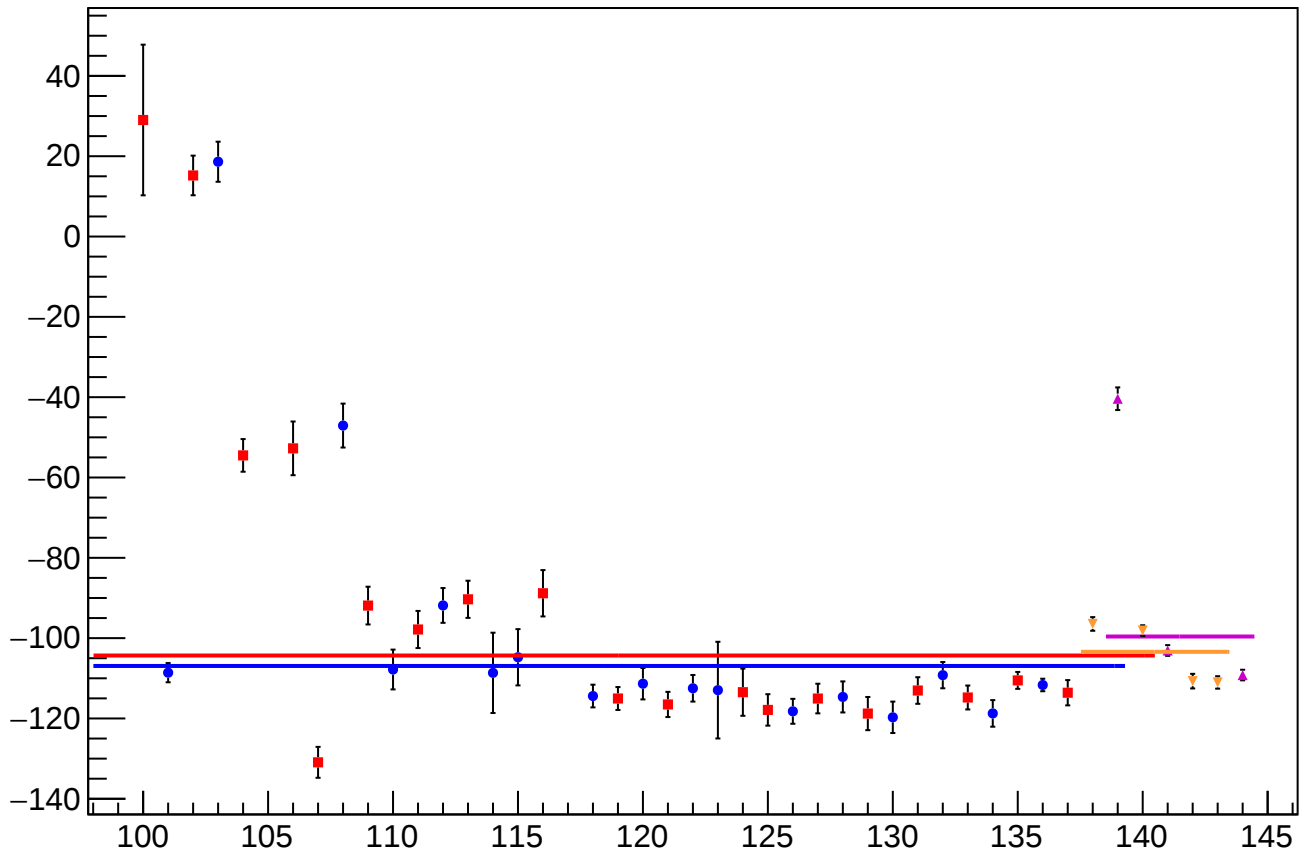
Left In: -97.650 ± 0.980 $\chi^2/\text{NDF}: 38.1/2$

+ sign -83.506 ± 0.735 $\chi^2/\text{NDF}: 464.4/20$

All: -84.399 ± 0.541 $\chi^2/\text{NDF}: 1133.6/42$

- sign -85.457 ± 0.800 $\chi^2/\text{NDF}: 666.0/21$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.926 ± 0.818 χ^2/NDF : 826.7/16

Left Out: -103.403 ± 0.783 χ^2/NDF : 72.9/3

Right Out: -104.324 ± 0.863 χ^2/NDF : 1020.5/18

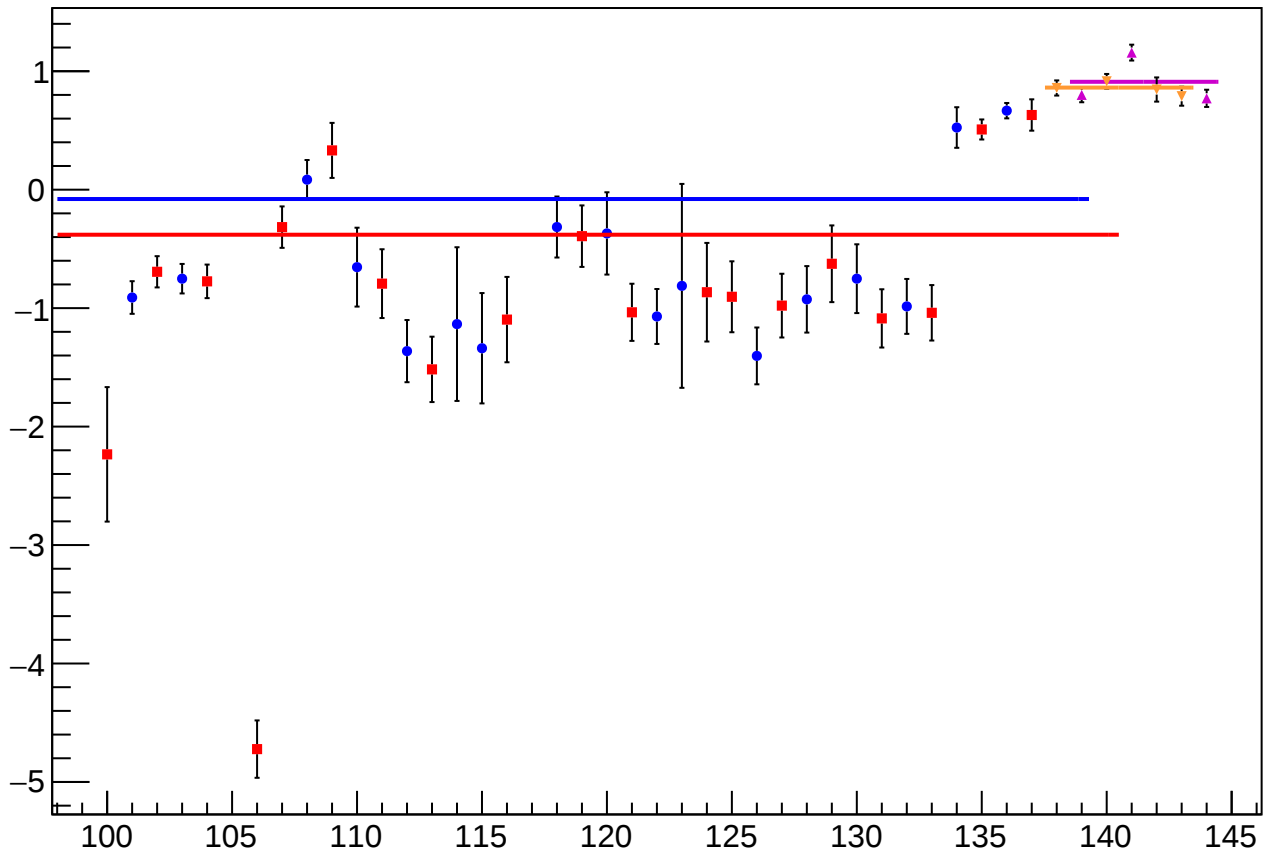
Left In: -99.594 ± 0.892 χ^2/NDF : 500.4/2

+ sign -105.087 ± 0.566 χ^2/NDF : 909.3/20

All: -103.701 ± 0.418 χ^2/NDF : 2457.9/42

- sign -102.037 ± 0.620 χ^2/NDF : 1535.4/21

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.6/16

Left Out: 0.862 ± 0.036 χ^2/NDF : 1.6/3

Right Out: -0.380 ± 0.044 χ^2/NDF : 580.2/18

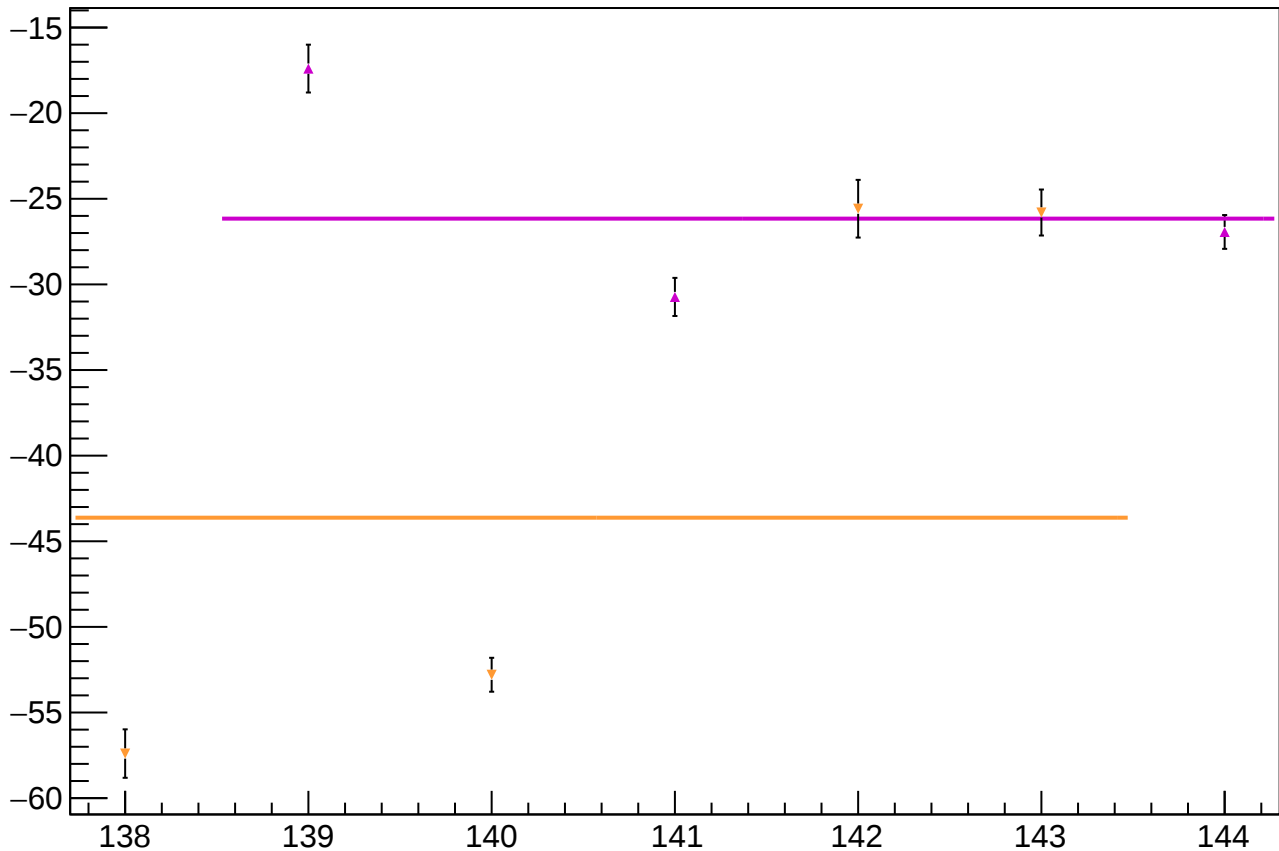
Left In: 0.911 ± 0.039 χ^2/NDF : 20.4/2

+ sign 0.461 ± 0.028 χ^2/NDF : 614.3/20

All: 0.408 ± 0.020 χ^2/NDF : 1708.2/42

- sign 0.350 ± 0.029 χ^2/NDF : 1086.2/21

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -43.623+/-0.642 χ^2/NDF : 471.4/3

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

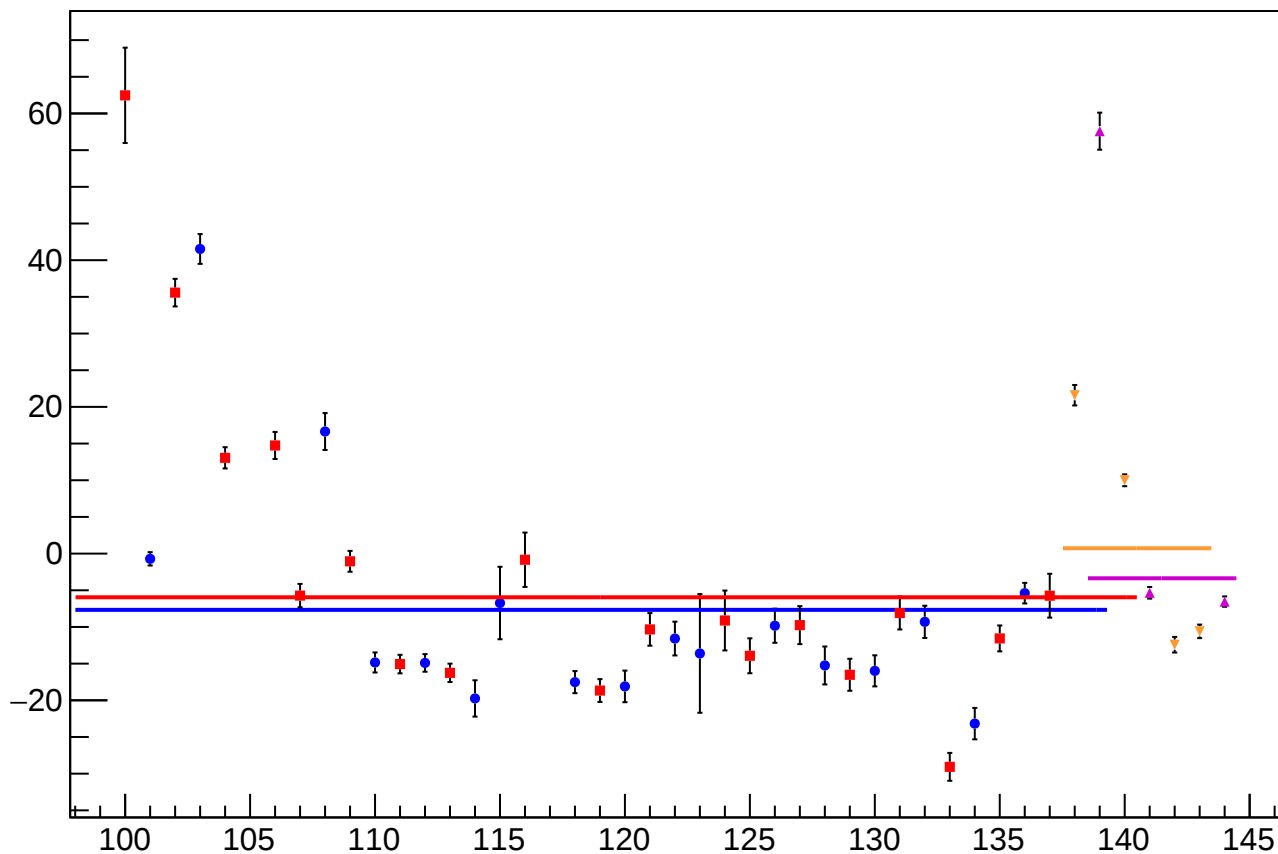
Left In: -26.159+/-0.653 χ^2/NDF : 56.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -35.038+/-0.458 χ^2/NDF : 892.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.668 ± 0.431 χ^2/NDF : 975.9/16

Left Out: 0.730 ± 0.494 χ^2/NDF : 659.0/3

Right Out: -5.954 ± 0.429 χ^2/NDF : 1298.5/18

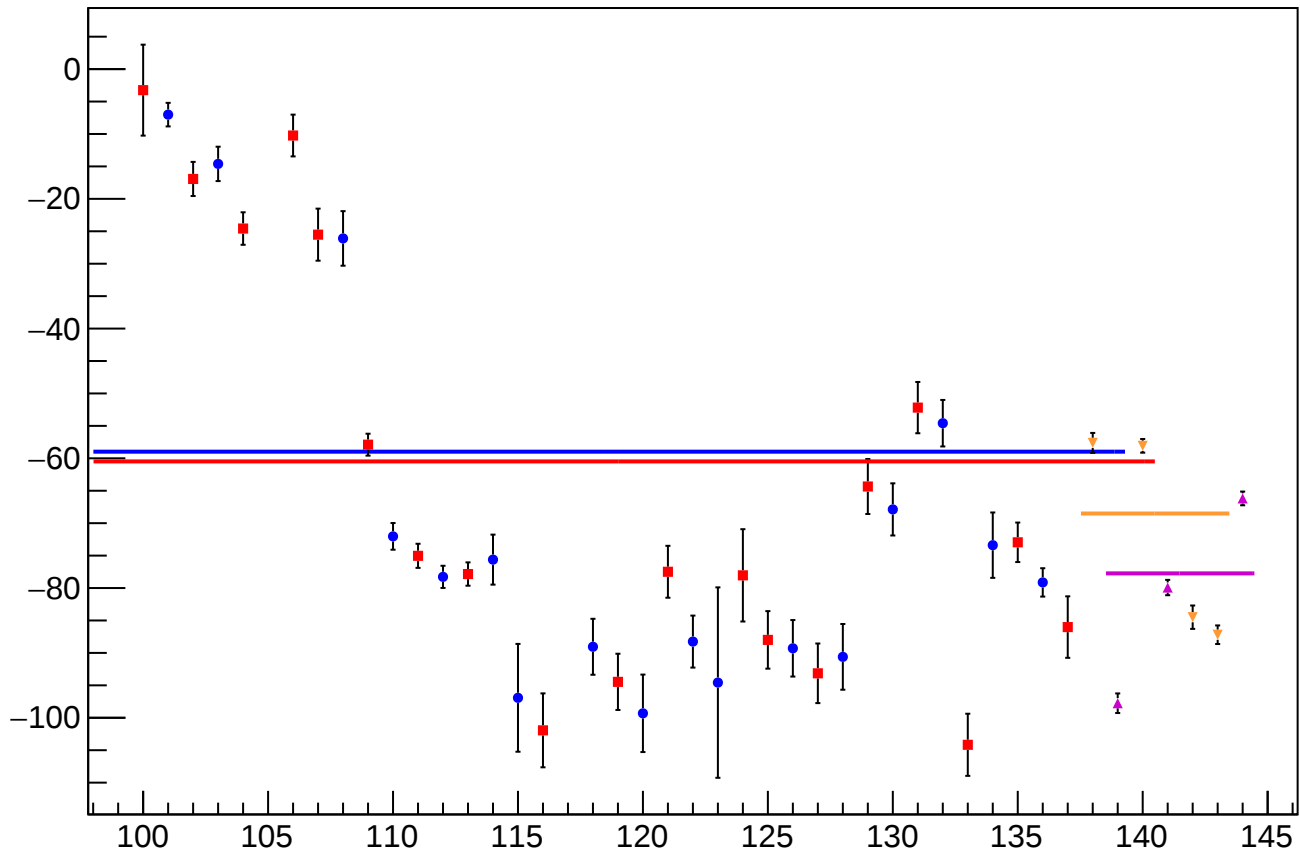
Left In: -3.366 ± 0.515 χ^2/NDF : 608.5/2

+ sign -4.038 ± 0.325 χ^2/NDF : 1799.1/20

All: -4.459 ± 0.231 χ^2/NDF : 3724.4/42

- sign -4.894 ± 0.330 χ^2/NDF : 1921.8/21

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -58.976 ± 0.747 $\chi^2/\text{NDF}: 1707.7/16$

Left Out: -68.510 ± 0.687 $\chi^2/\text{NDF}: 396.9/3$

Right Out: -60.479 ± 0.705 $\chi^2/\text{NDF}: 1384.2/18$

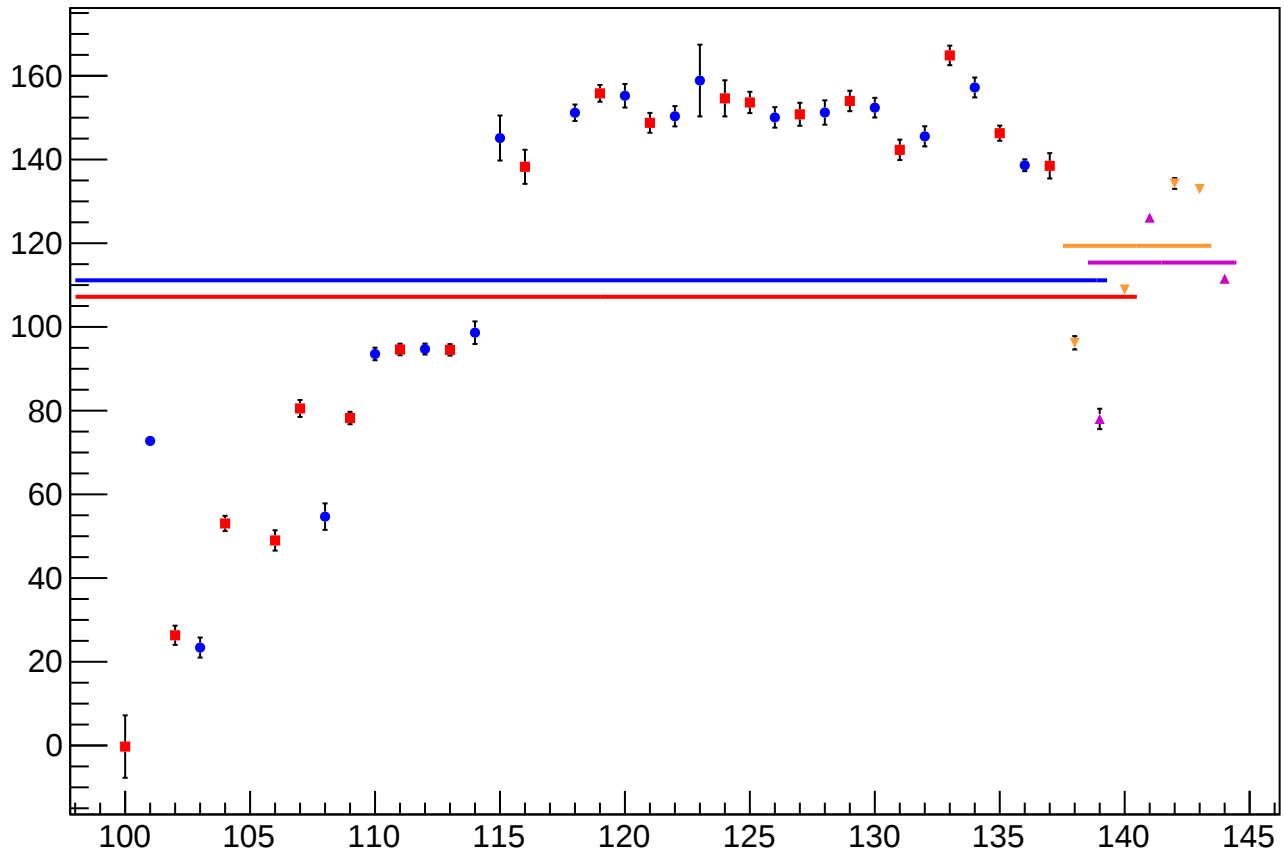
Left In: -77.739 ± 0.699 $\chi^2/\text{NDF}: 298.3/2$

+ sign -64.142 ± 0.506 $\chi^2/\text{NDF}: 2192.8/20$

All: -66.708 ± 0.354 $\chi^2/\text{NDF}: 4227.9/42$

- sign -69.181 ± 0.496 $\chi^2/\text{NDF}: 1984.6/21$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.139 $\pm$ 0.490 χ^2 /NDF: 5863.6/16

Left Out: 119.388 $\pm$ 0.592 χ^2 /NDF: 607.1/3

Right Out: 107.202 $\pm$ 0.488 χ^2 /NDF: 7042.9/18

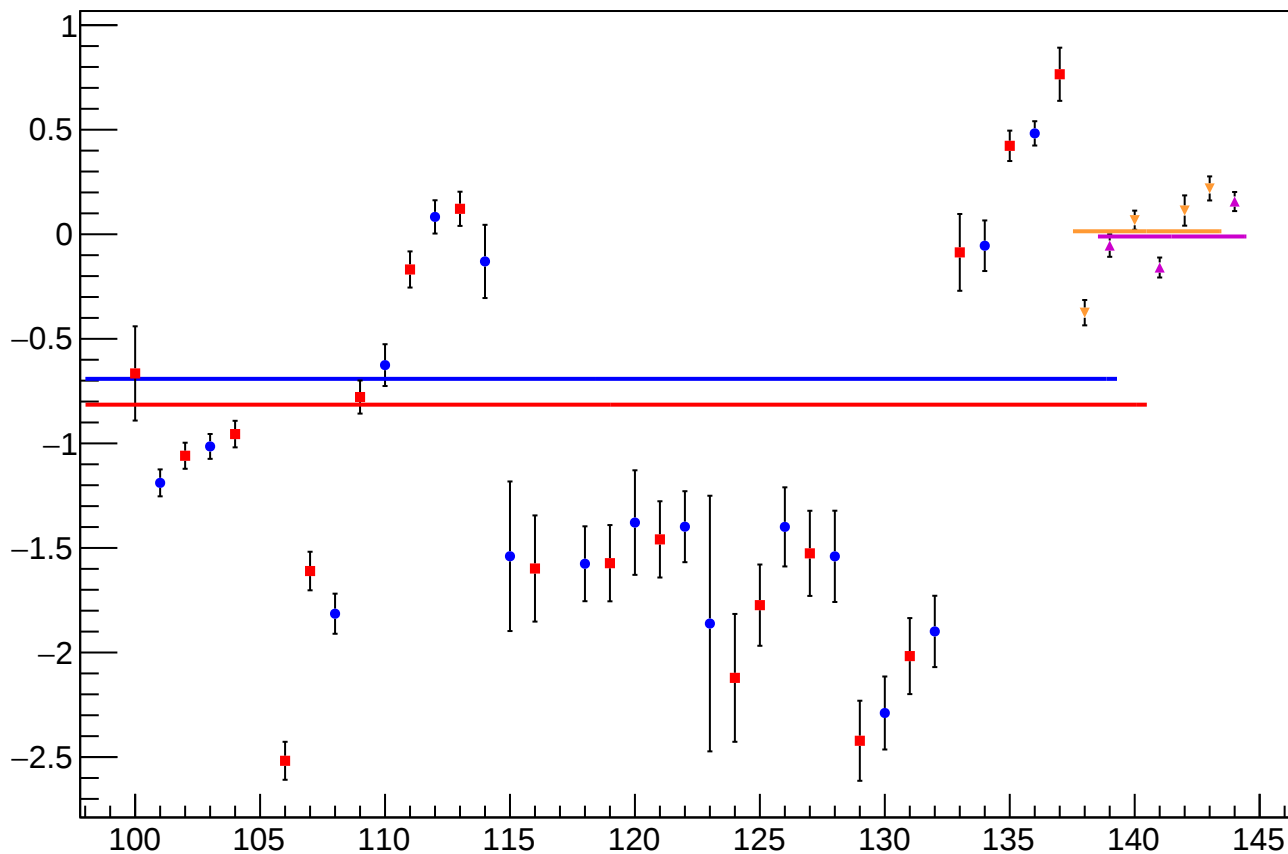
Left In: 115.380 $\pm$ 0.608 χ^2 /NDF: 384.1/2

+ sign 114.492 $\pm$ 0.377 χ^2 /NDF: 6585.9/20

All: 112.467 $\pm$ 0.268 χ^2 /NDF: 14180.9/42

- sign 110.407 $\pm$ 0.381 χ^2 /NDF: 7536.9/21

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 988.9/16

Left Out: 0.014 ± 0.028 χ^2/NDF : 57.2/3

Right Out: -0.815 ± 0.024 χ^2/NDF : 1302.6/18

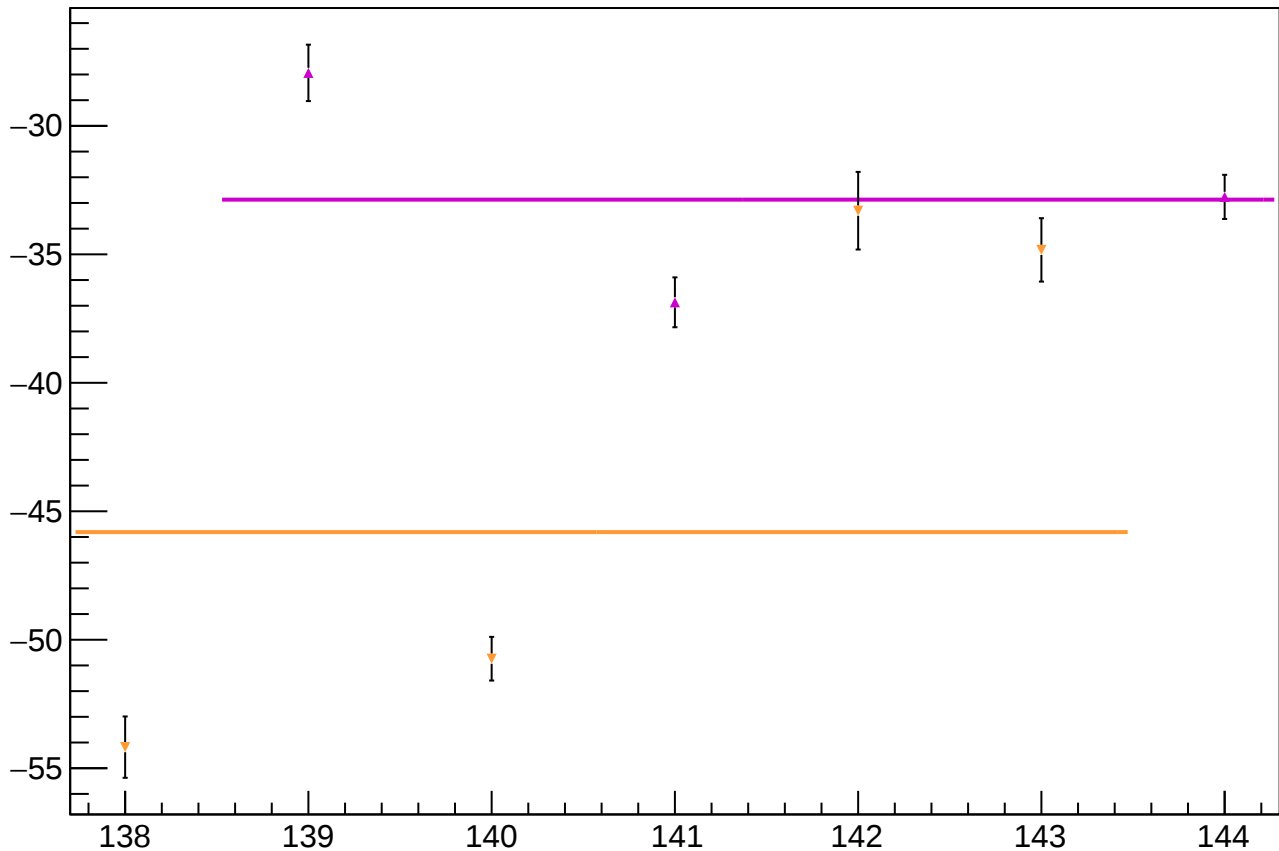
Left In: -0.011 ± 0.028 χ^2/NDF : 23.7/2

+ sign -0.371 ± 0.019 χ^2/NDF : 1384.2/20

All: -0.422 ± 0.013 χ^2/NDF : 3191.3/42

- sign -0.470 ± 0.018 χ^2/NDF : 1793.3/21

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -45.810+/-0.561 χ^2/NDF : 230.6/3

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

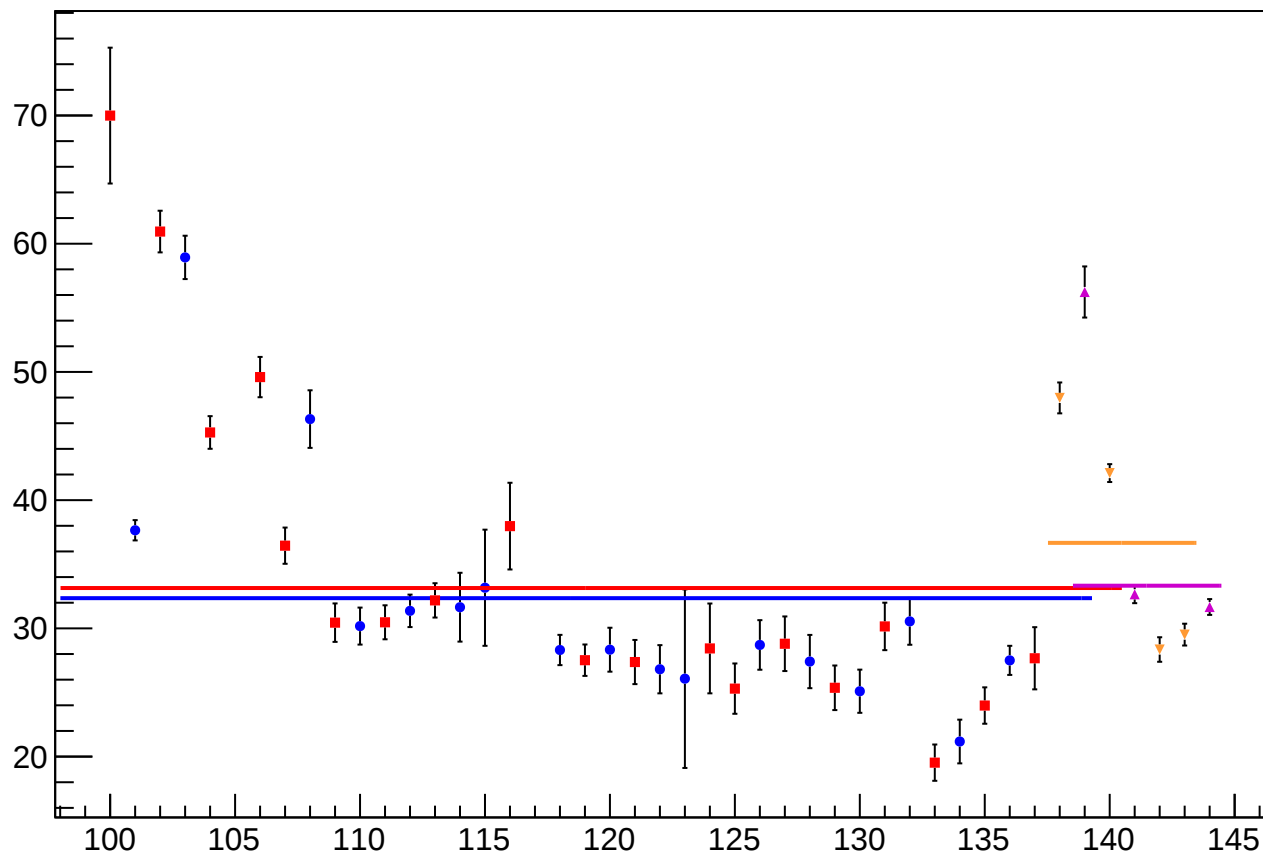
Left In: -32.871+/-0.555 χ^2/NDF : 37.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -39.276+/-0.394 χ^2/NDF : 536.7/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.356 $\pm$ 0.376 χ^2/NDF : 450.5/16

Left Out: 36.669 $\pm$ 0.438 χ^2/NDF : 295.4/3

Right Out: 33.147 $\pm$ 0.379 χ^2/NDF : 773.3/18

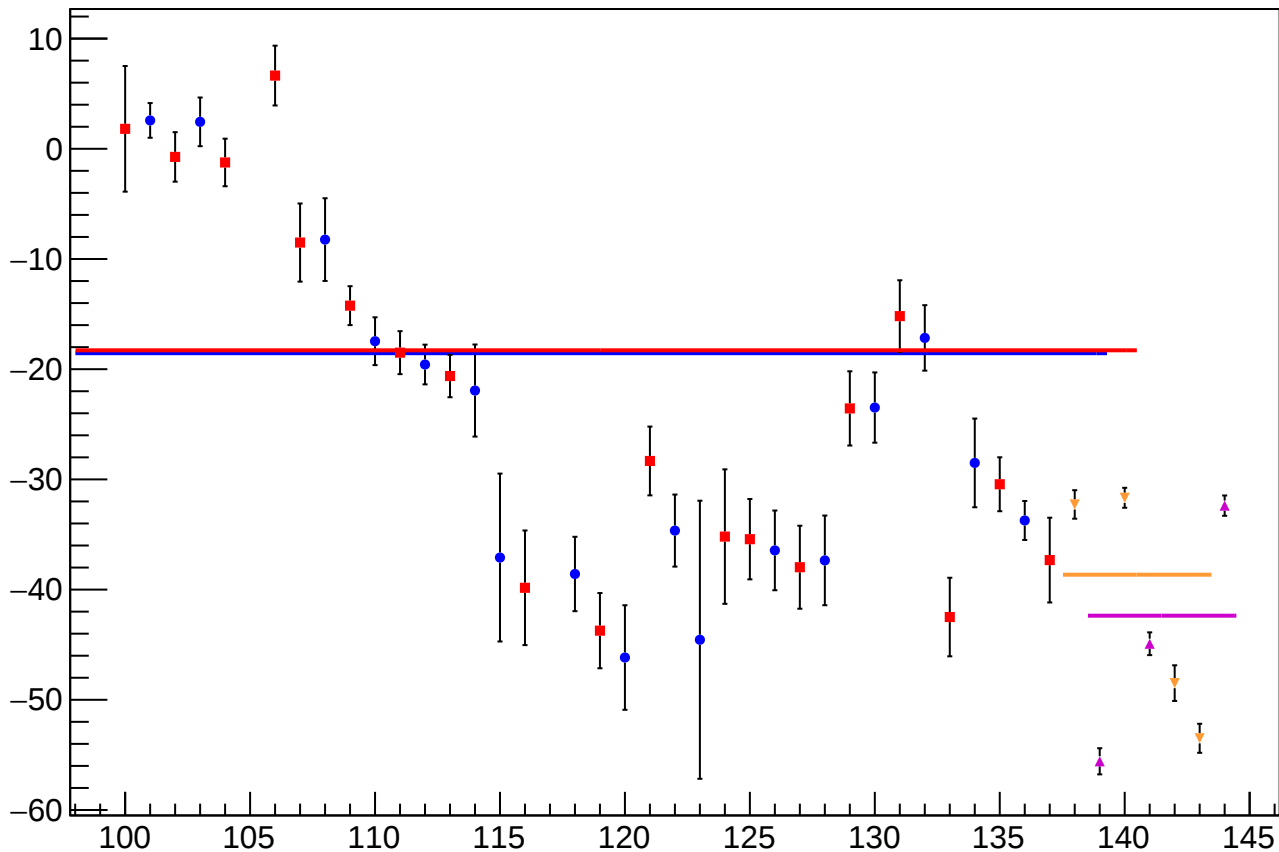
Left In: 33.328 $\pm$ 0.449 χ^2/NDF : 140.2/2

+ sign 34.187 $\pm$ 0.285 χ^2/NDF : 801.8/20

All: 33.712 $\pm$ 0.203 χ^2/NDF : 1721.0/42

- sign 33.222 $\pm$ 0.290 χ^2/NDF : 913.5/21

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.549 ± 0.669 χ^2/NDF : 511.1/16

Left Out: -38.648 ± 0.600 χ^2/NDF : 247.8/3

Right Out: -18.286 ± 0.645 χ^2/NDF : 473.5/18

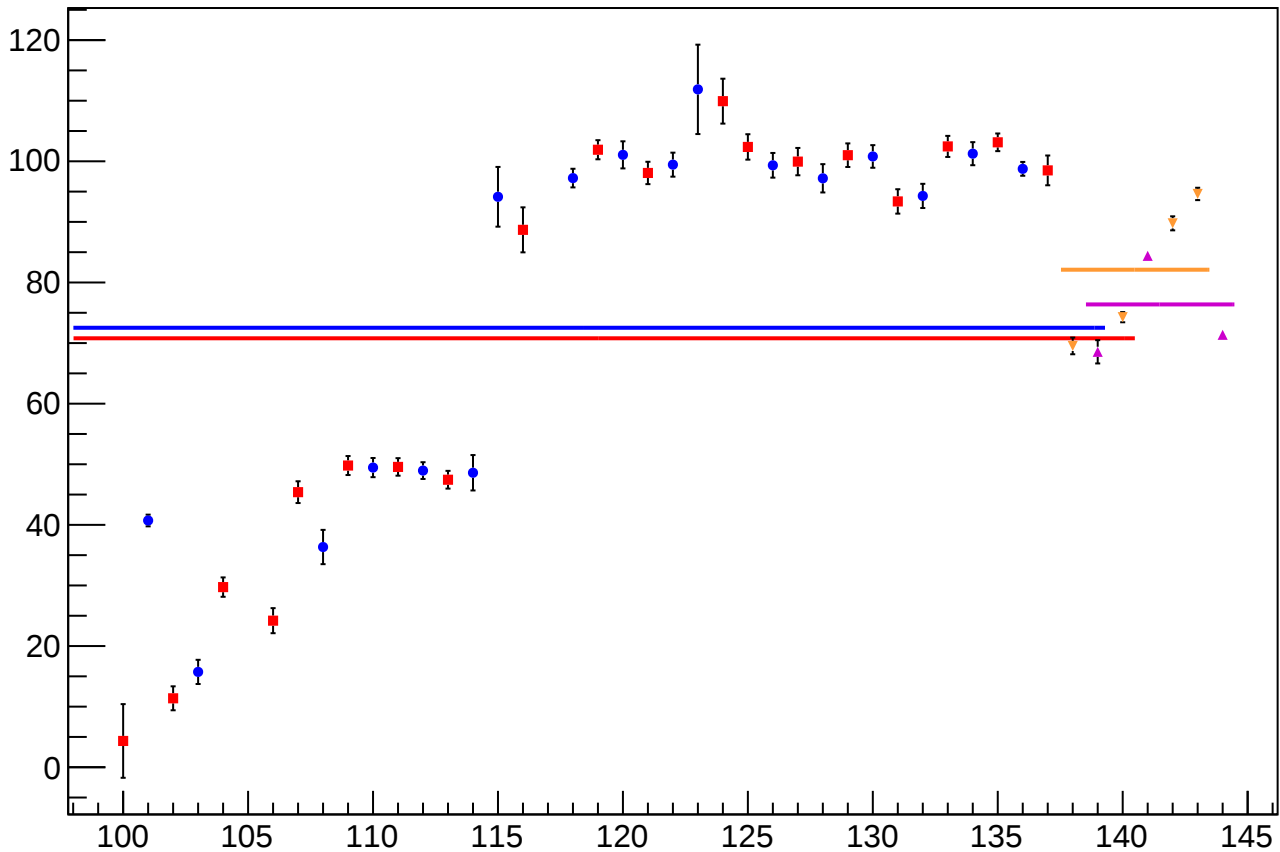
Left In: -42.367 ± 0.595 χ^2/NDF : 247.7/2

+ sign -29.679 ± 0.447 χ^2/NDF : 1259.3/20

All: -30.504 ± 0.312 χ^2/NDF : 2741.1/42

- sign -31.293 ± 0.437 χ^2/NDF : 1475.1/21

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.529 ± 0.429 χ^2/NDF : 4672.2/16

Left Out: 82.109 ± 0.524 χ^2/NDF : 364.2/3

Right Out: 70.790 ± 0.434 χ^2/NDF : 5494.5/18

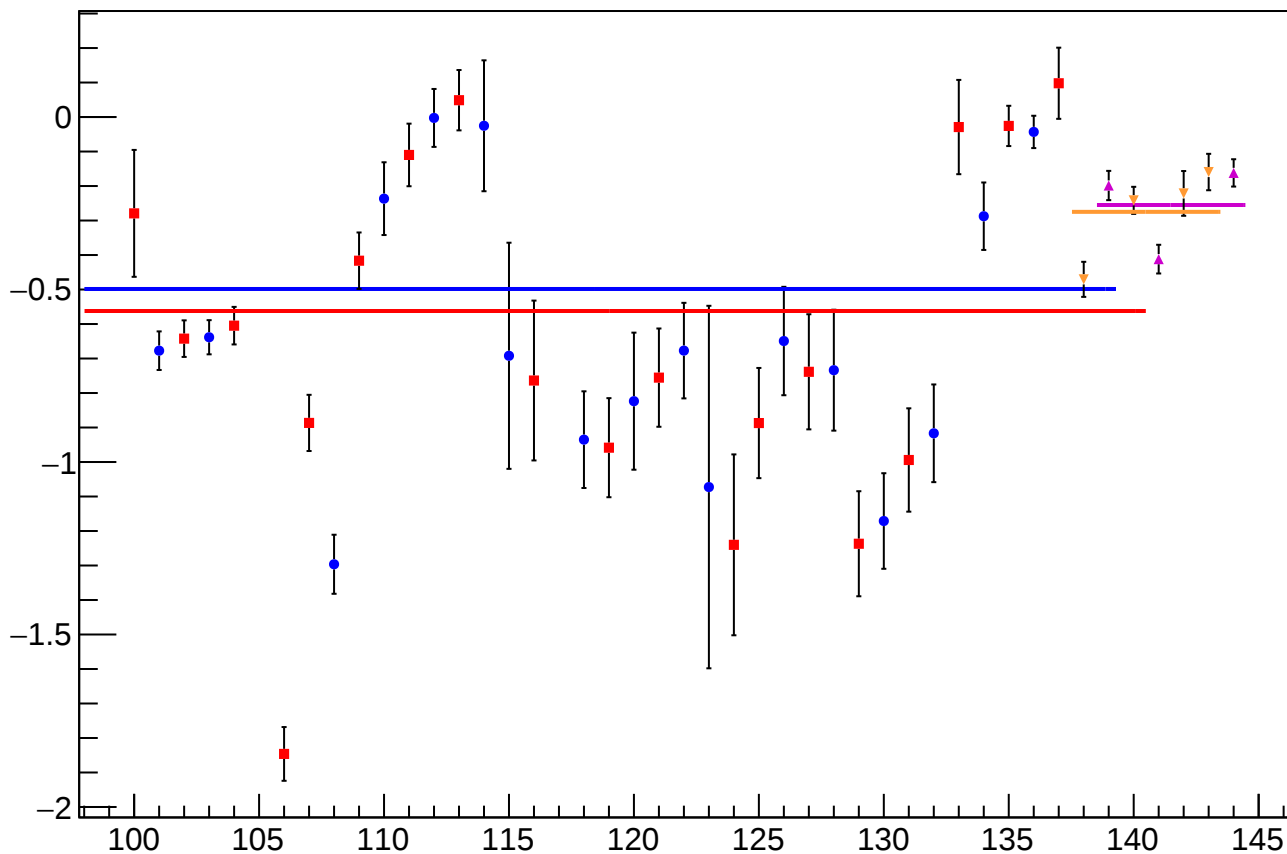
Left In: 76.379 ± 0.527 χ^2/NDF : 156.6/2

+ sign 76.377 ± 0.332 χ^2/NDF : 5236.7/20

All: 74.728 ± 0.236 χ^2/NDF : 11004.8/42

- sign 73.047 ± 0.335 χ^2/NDF : 5718.2/21

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.1/16

Left Out: -0.275 ± 0.025 χ^2/NDF : 21.0/3

Right Out: -0.562 ± 0.021 χ^2/NDF : 560.3/18

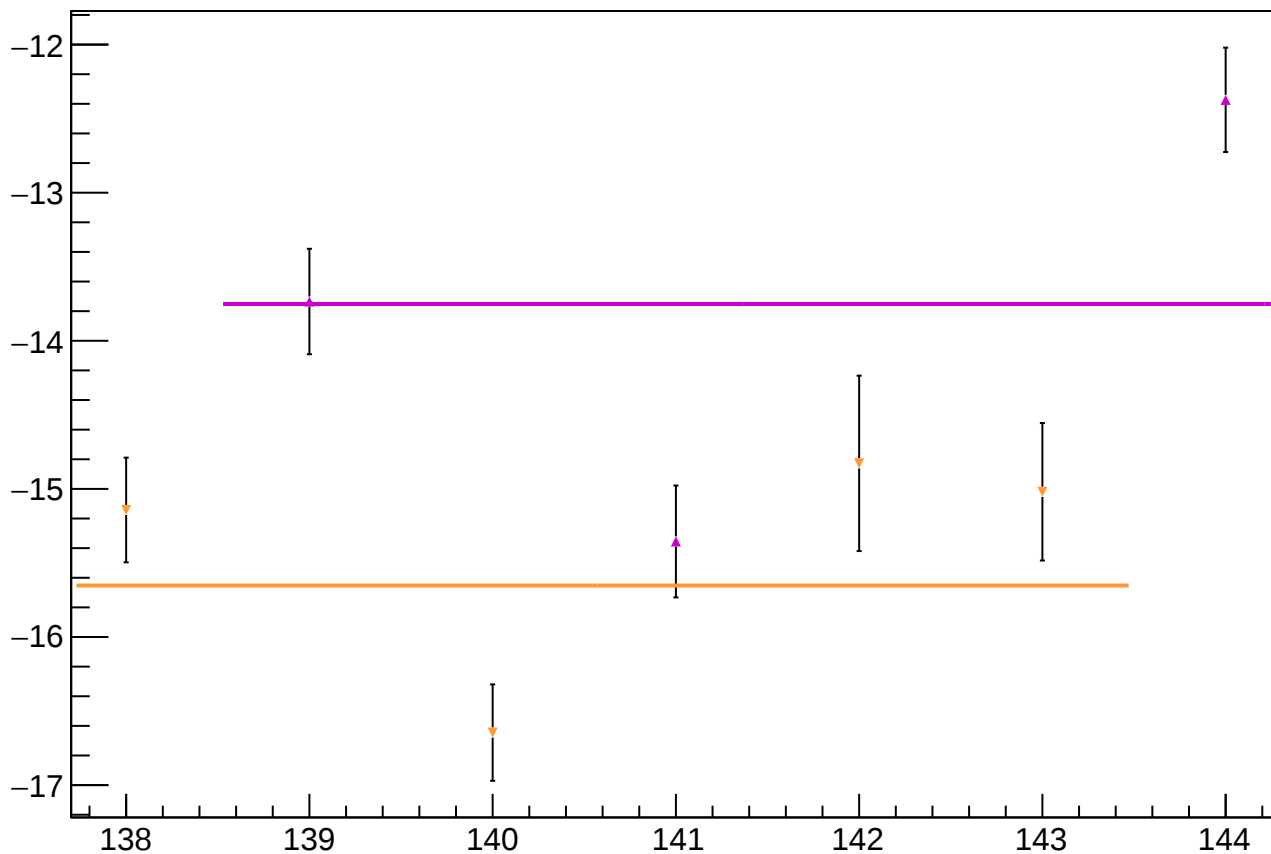
Left In: -0.255 ± 0.024 χ^2/NDF : 21.5/2

+ sign -0.398 ± 0.017 χ^2/NDF : 368.1/20

All: -0.412 ± 0.011 χ^2/NDF : 1043.4/42

- sign -0.424 ± 0.016 χ^2/NDF : 674.0/21

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



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

Left Out: -15.652 $\pm$ 0.200 χ^2 /NDF:15.2/3

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

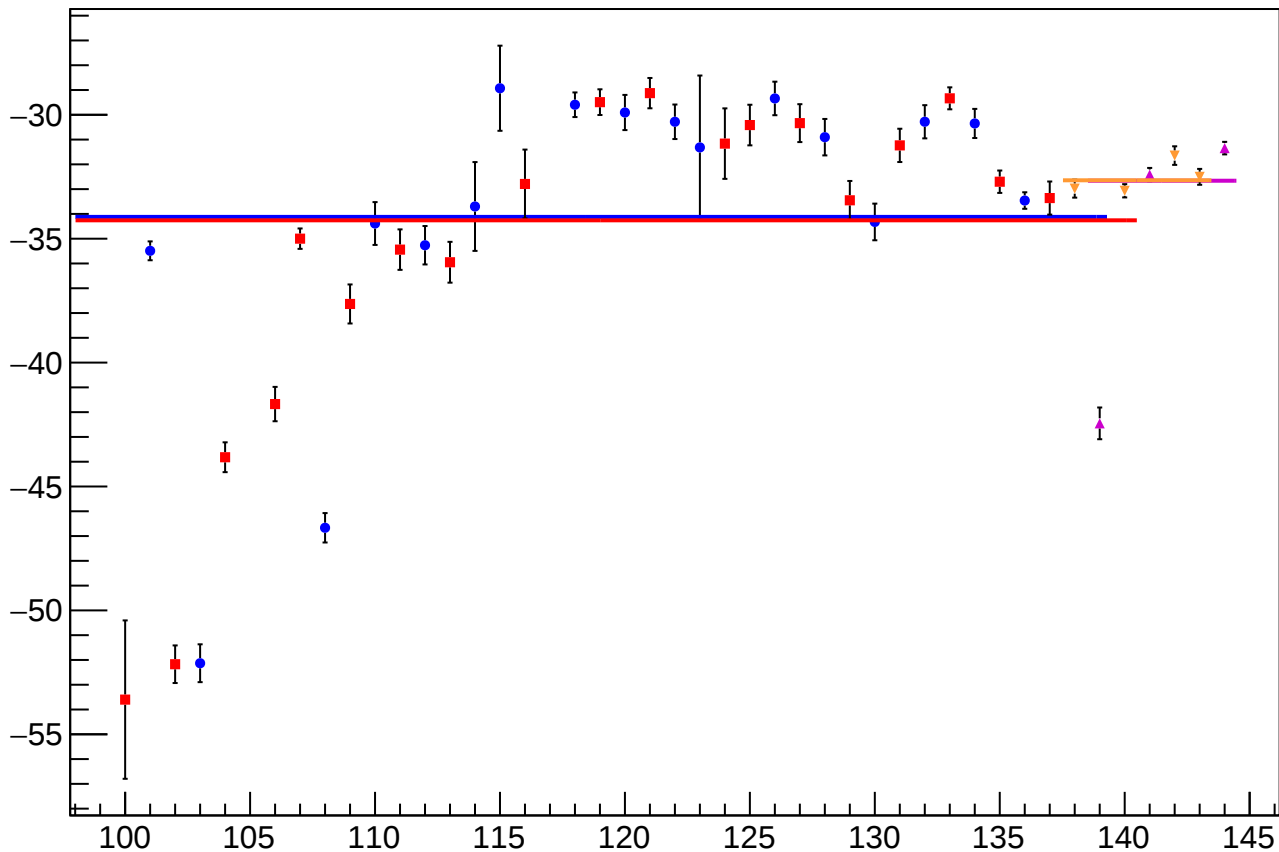
Left In: -13.752 $\pm$ 0.209 χ^2 /NDF:33.3/2

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

All: -14.741 $\pm$ 0.144 χ^2 /NDF: 91.7/6

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

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.120 ± 0.152 χ^2/NDF : 1324.4/16

Left Out: -32.643 ± 0.161 χ^2/NDF : 10.6/3

Right Out: -34.258 ± 0.151 χ^2/NDF : 1356.1/18

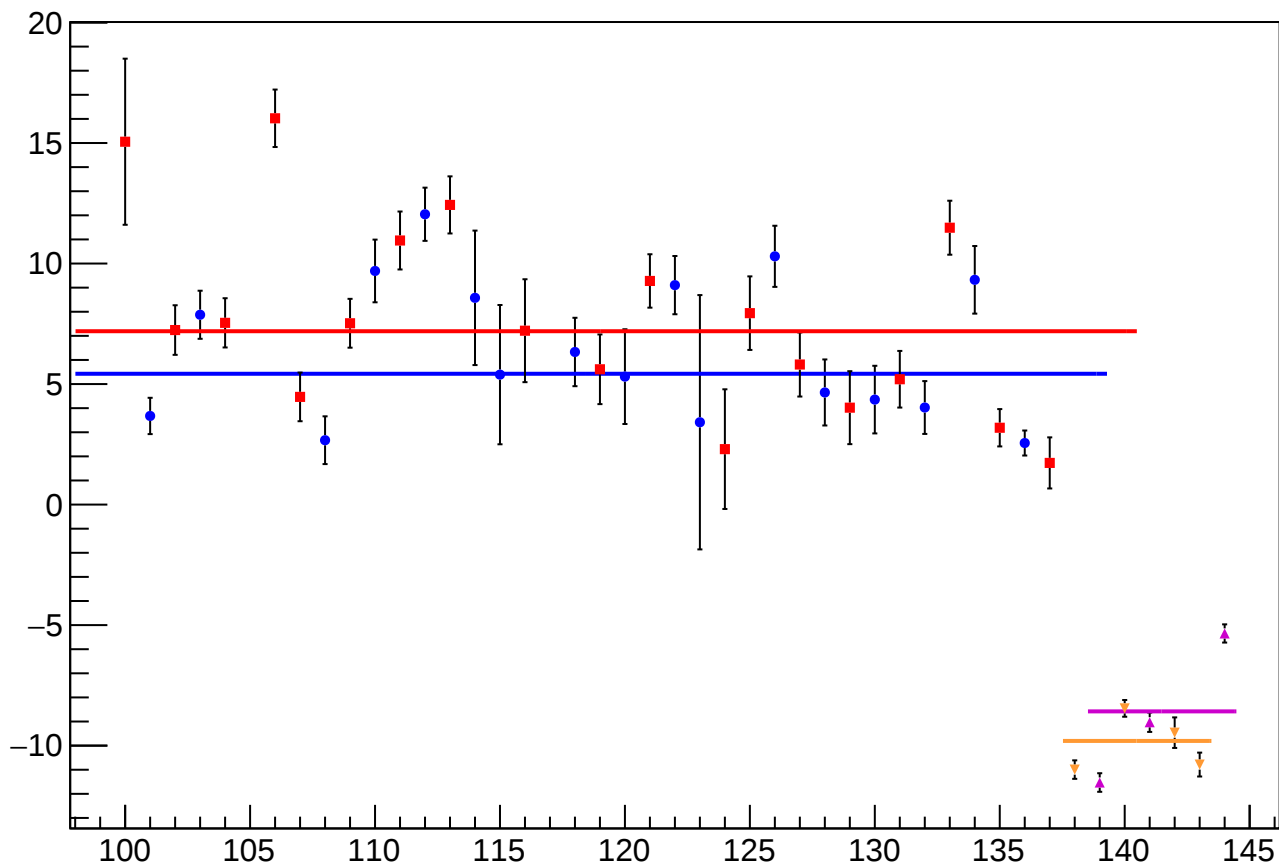
Left In: -32.661 ± 0.178 χ^2/NDF : 261.7/2

+ sign -33.426 ± 0.111 χ^2/NDF : 1379.3/20

All: -33.504 ± 0.080 χ^2/NDF : 3045.2/42

- sign -33.588 ± 0.115 χ^2/NDF : 1664.8/21

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.427 ± 0.271 χ^2/NDF : 132.7/16

Left Out: -9.805 ± 0.215 χ^2/NDF : 29.0/3

Right Out: 7.192 ± 0.275 χ^2/NDF : 182.2/18

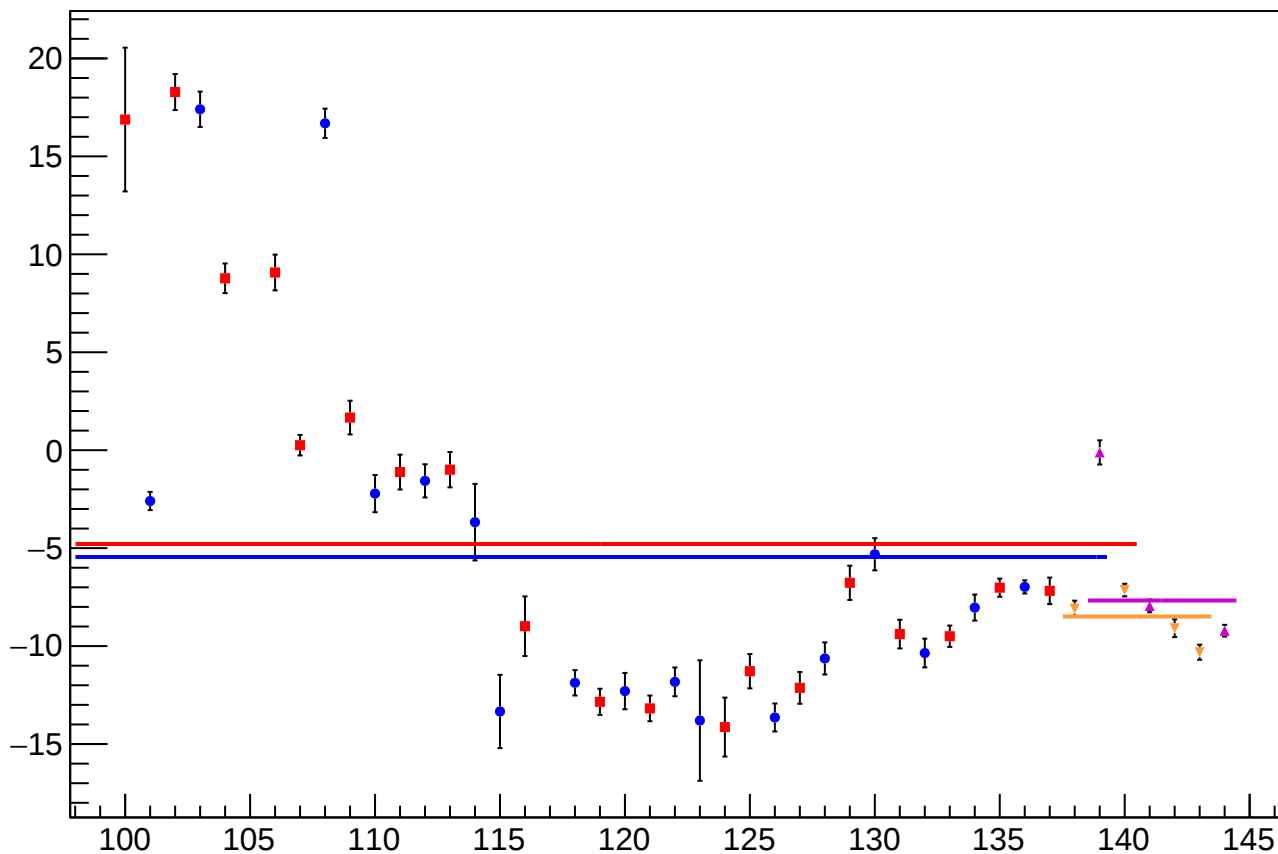
Left In: -8.579 ± 0.224 χ^2/NDF : 133.2/2

+ sign -3.923 ± 0.168 χ^2/NDF : 2105.1/20

All: -3.131 ± 0.121 χ^2/NDF : 4445.7/42

- sign -2.287 ± 0.174 χ^2/NDF : 2294.8/21

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.450 ± 0.171 $\chi^2/\text{NDF}: 2097.1/16$

Left Out: -8.489 ± 0.192 $\chi^2/\text{NDF}: 42.6/3$

Right Out: -4.789 ± 0.173 $\chi^2/\text{NDF}: 2047.5/18$

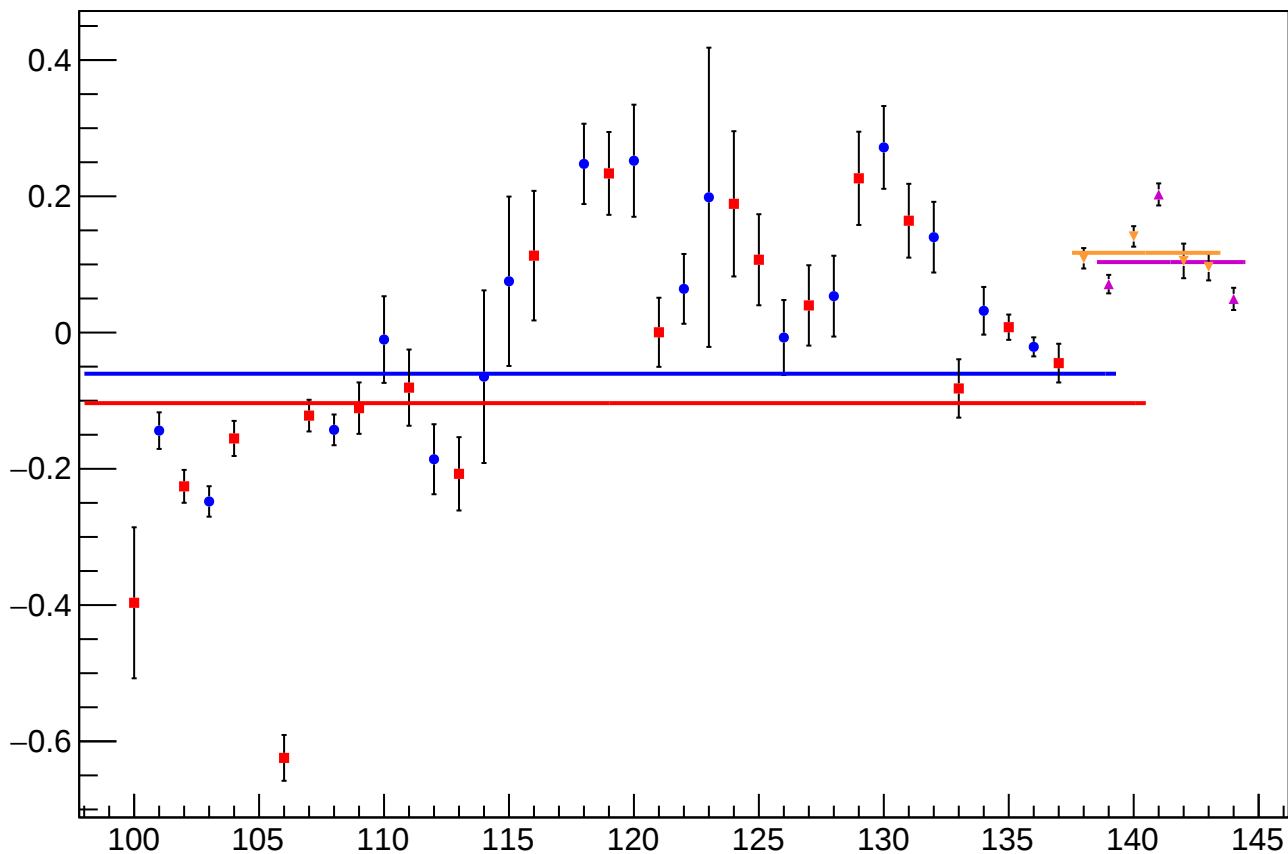
Left In: -7.671 ± 0.207 $\chi^2/\text{NDF}: 177.7/2$

+ sign -6.794 ± 0.128 $\chi^2/\text{NDF}: 2279.2/20$

All: -6.400 ± 0.092 $\chi^2/\text{NDF}: 4638.1/42$

- sign -5.975 ± 0.133 $\chi^2/\text{NDF}: 2339.2/21$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 214.5/16

Left Out: 0.117 ± 0.009 χ^2/NDF : 4.1/3

Right Out: -0.104 ± 0.008 χ^2/NDF : 433.1/18

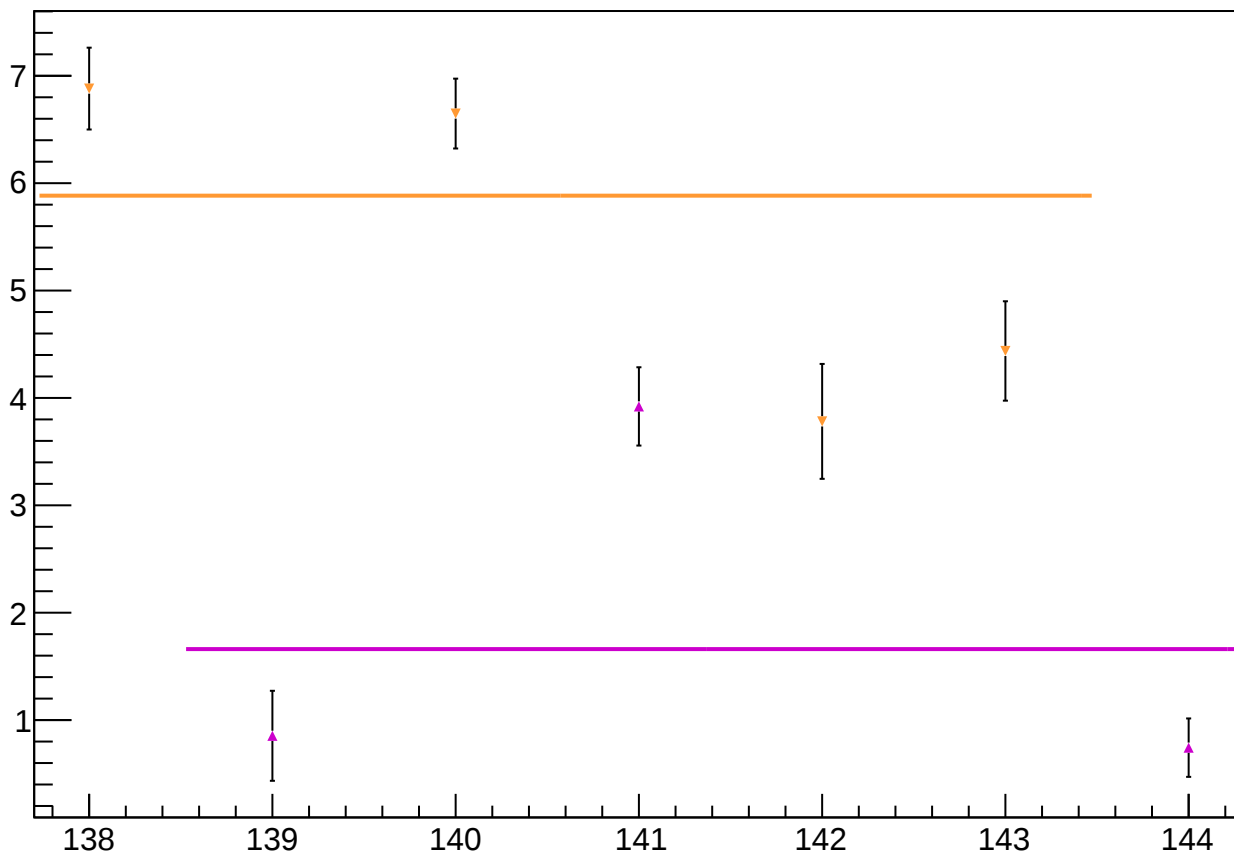
Left In: 0.103 ± 0.009 χ^2/NDF : 54.3/2

+ sign 0.024 ± 0.006 χ^2/NDF : 431.7/20

All: 0.010 ± 0.004 χ^2/NDF : 1219.1/42

- sign -0.004 ± 0.006 χ^2/NDF : 776.5/21

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: 5.884+/-0.202 χ^2/NDF : 37.6/3

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

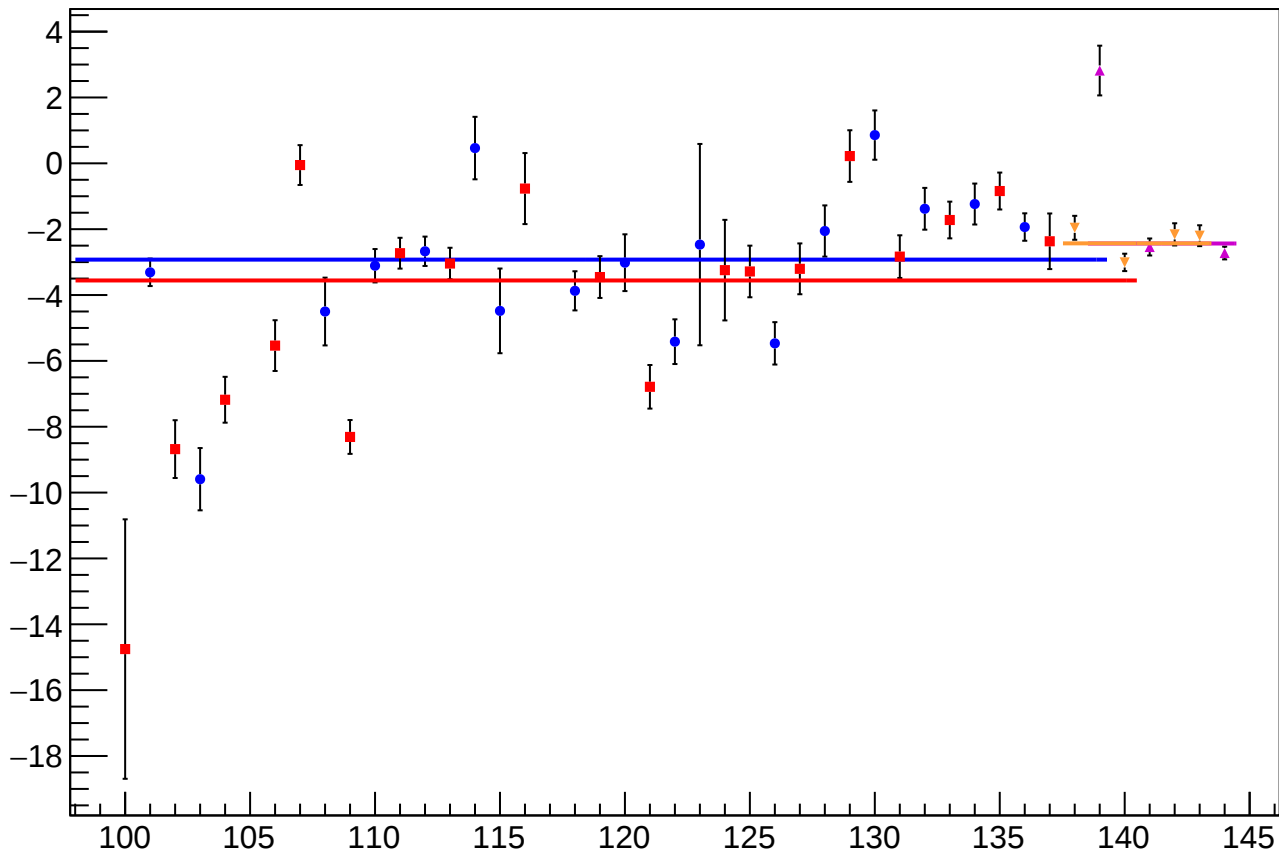
Left In: 1.661+/-0.193 χ^2/NDF : 53.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 3.681+/-0.140 χ^2/NDF : 319.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.925 ± 0.155 $\chi^2/\text{NDF}: 144.9/16$

Left Out: -2.431 ± 0.157 $\chi^2/\text{NDF}: 7.7/3$

Right Out: -3.558 ± 0.155 $\chi^2/\text{NDF}: 290.8/18$

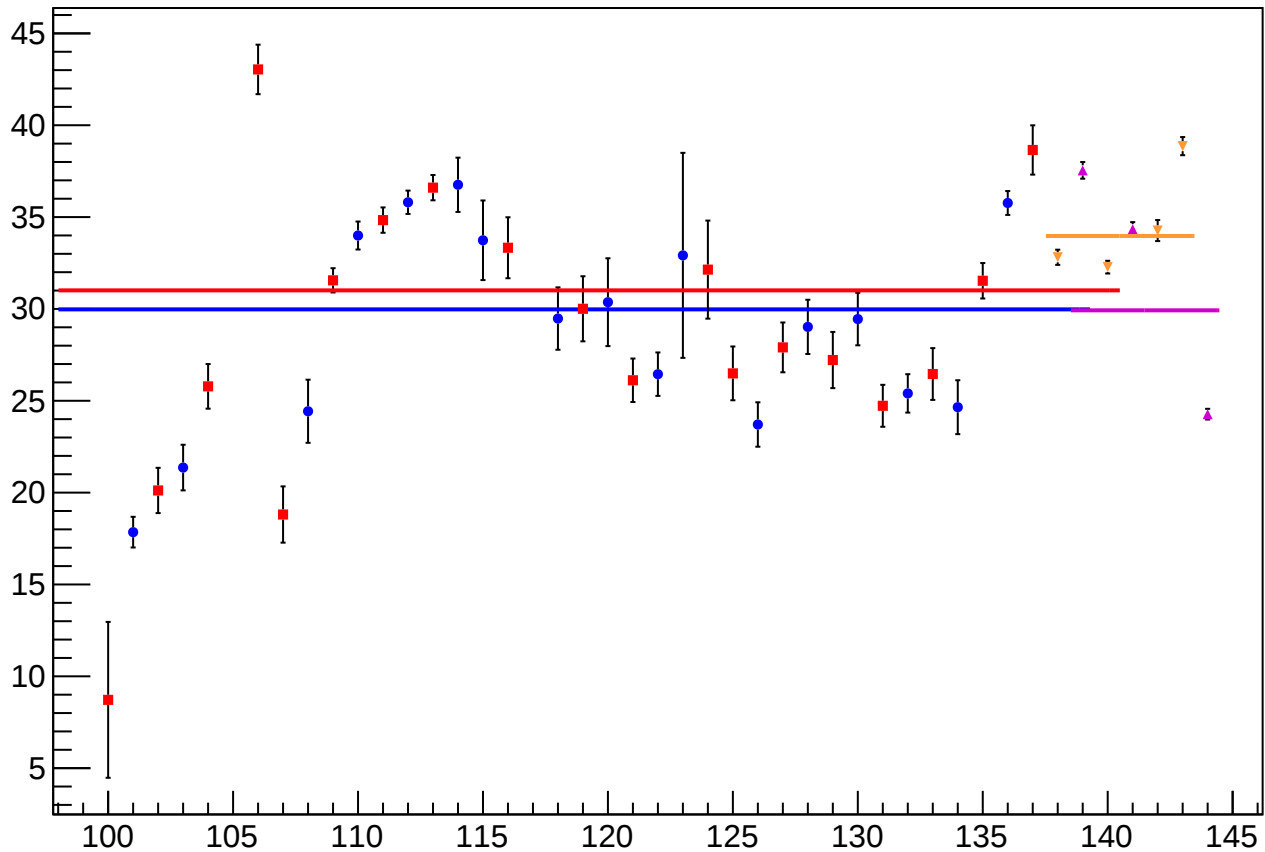
Left In: -2.435 ± 0.152 $\chi^2/\text{NDF}: 50.7/2$

+ sign -2.680 ± 0.110 $\chi^2/\text{NDF}: 157.6/20$

All: -2.836 ± 0.077 $\chi^2/\text{NDF}: 529.8/42$

- sign -2.987 ± 0.109 $\chi^2/\text{NDF}: 368.3/21$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.976 $\pm$ 0.268 χ^2 /NDF: 554.0/16

Left Out: 33.972 $\pm$ 0.216 χ^2 /NDF:130.2/3

Right Out: 31.010 $\pm$ 0.260 χ^2 /NDF: 478.7/18

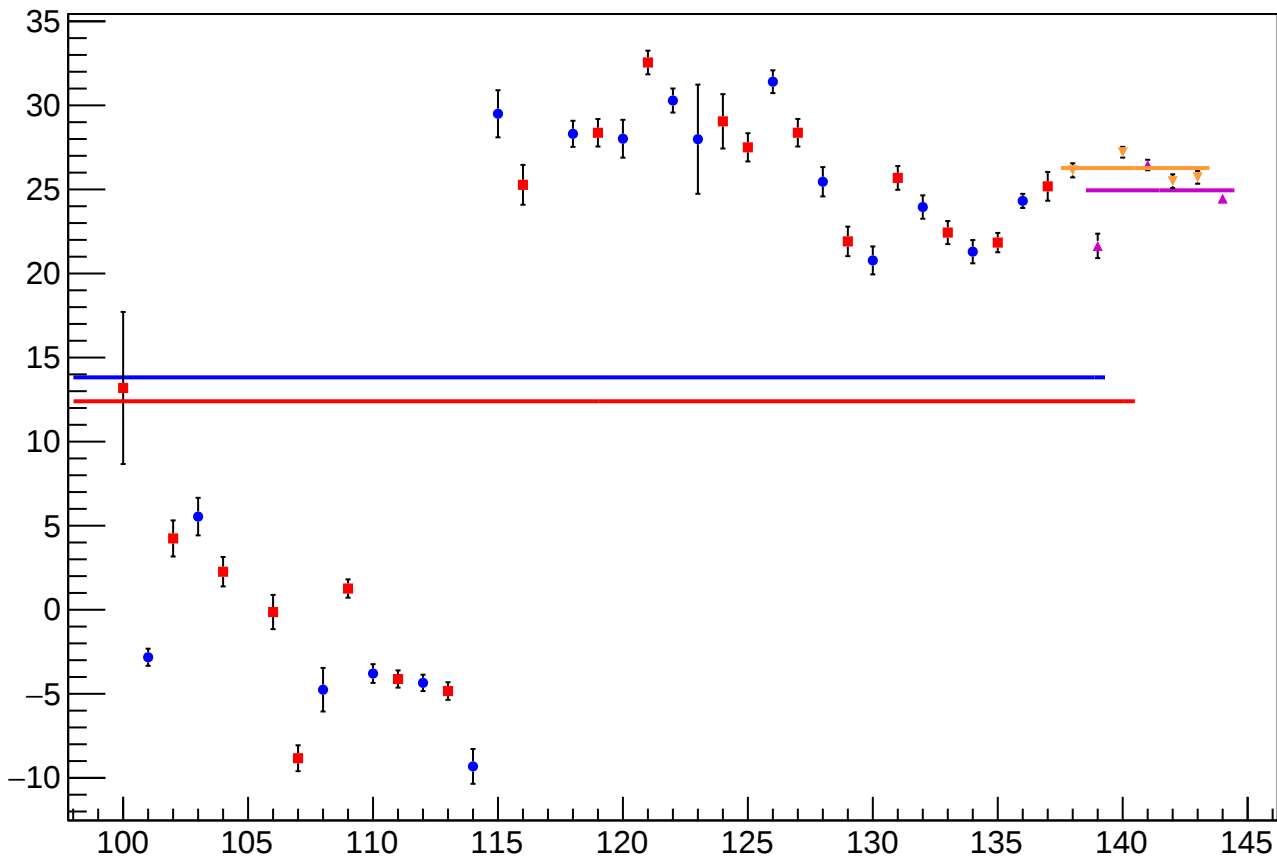
Left In: 29.924 $\pm$ 0.207 χ^2 /NDF:787.2/2

+ sign 32.393 $\pm$ 0.168 χ^2 /NDF: 819.0/20

All: 31.331 $\pm$ 0.117 χ^2 /NDF: 2172.3/42

- sign 30.345 $\pm$ 0.162 χ^2 /NDF: 1276.6/21

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.822 $\pm$ 0.173 χ^2 /NDF: 7274.7/16

Left Out: 26.272 $\pm$ 0.188 χ^2 /NDF:14.5/3

Right Out: 12.399 $\pm$ 0.174 χ^2 /NDF: 6952.8/18

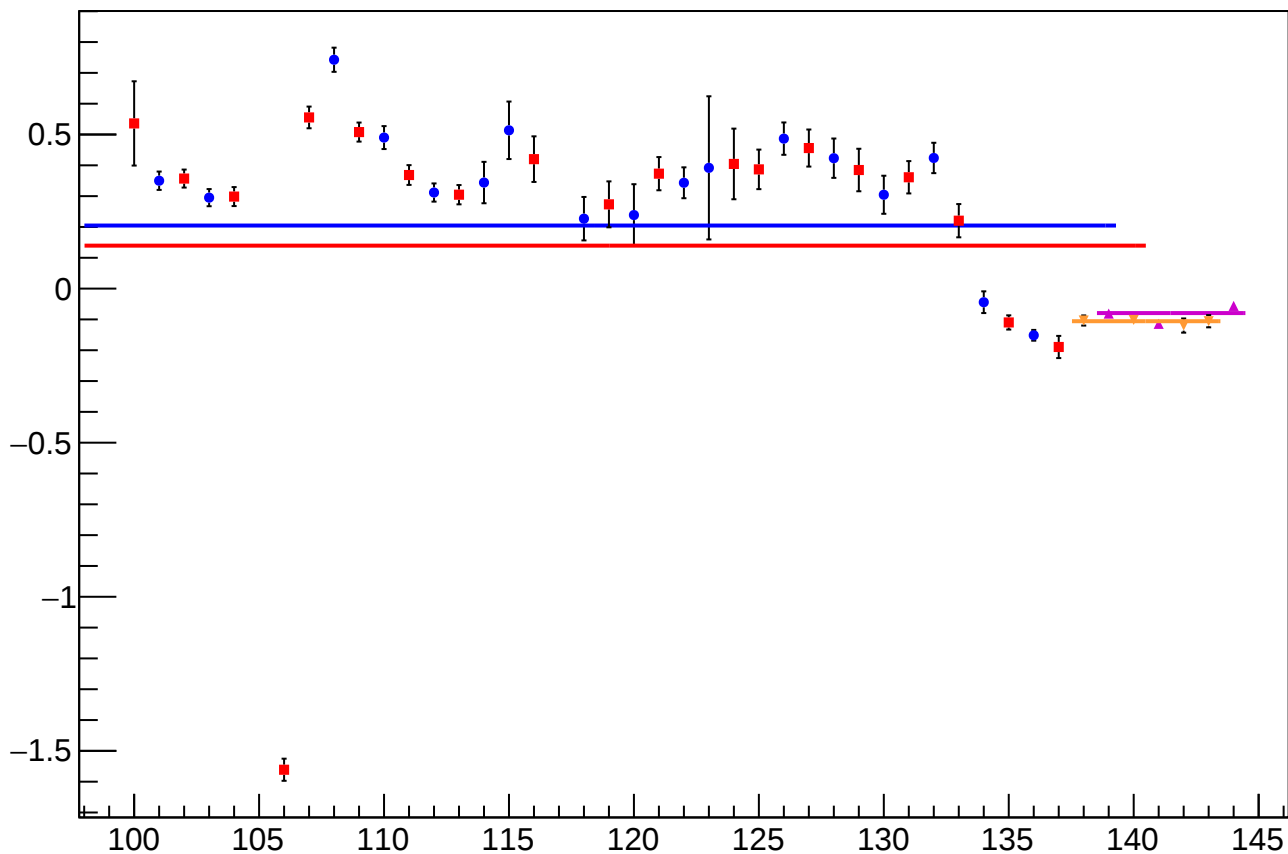
Left In: 24.946 $\pm$ 0.180 χ^2 /NDF:48.5/2

+ sign 19.529 $\pm$ 0.127 χ^2 /NDF: 9662.6/20

All: 18.991 $\pm$ 0.089 χ^2 /NDF: 19216.6/42

- sign 18.474 $\pm$ 0.125 χ^2 /NDF: 9519.1/21

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.009 χ^2 /NDF: 846.4/16

Left Out: -0.106 $\pm$ 0.009 χ^2 /NDF: 0.5/3

Right Out: 0.139 $\pm$ 0.009 χ^2 /NDF: 3013.6/18

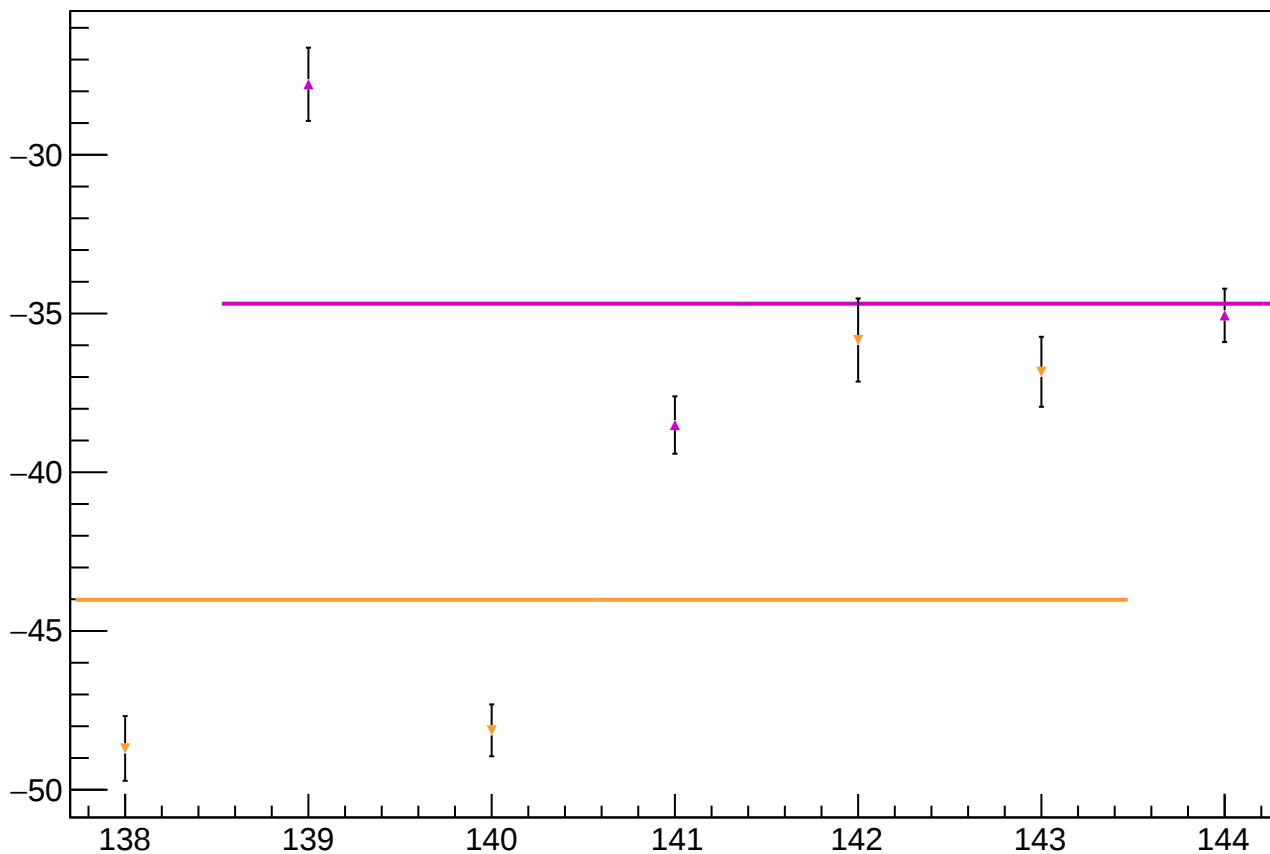
Left In: -0.079 $\pm$ 0.008 χ^2 /NDF: 8.5/2

+ sign 0.042 $\pm$ 0.006 χ^2 /NDF: 1421.0/20

All: 0.030 $\pm$ 0.004 χ^2 /NDF: 4759.0/42

- sign 0.019 $\pm$ 0.006 χ^2 /NDF: 3331.6/21

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

Left Out: -44.016+/-0.508 χ^2/NDF :127.9/3

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

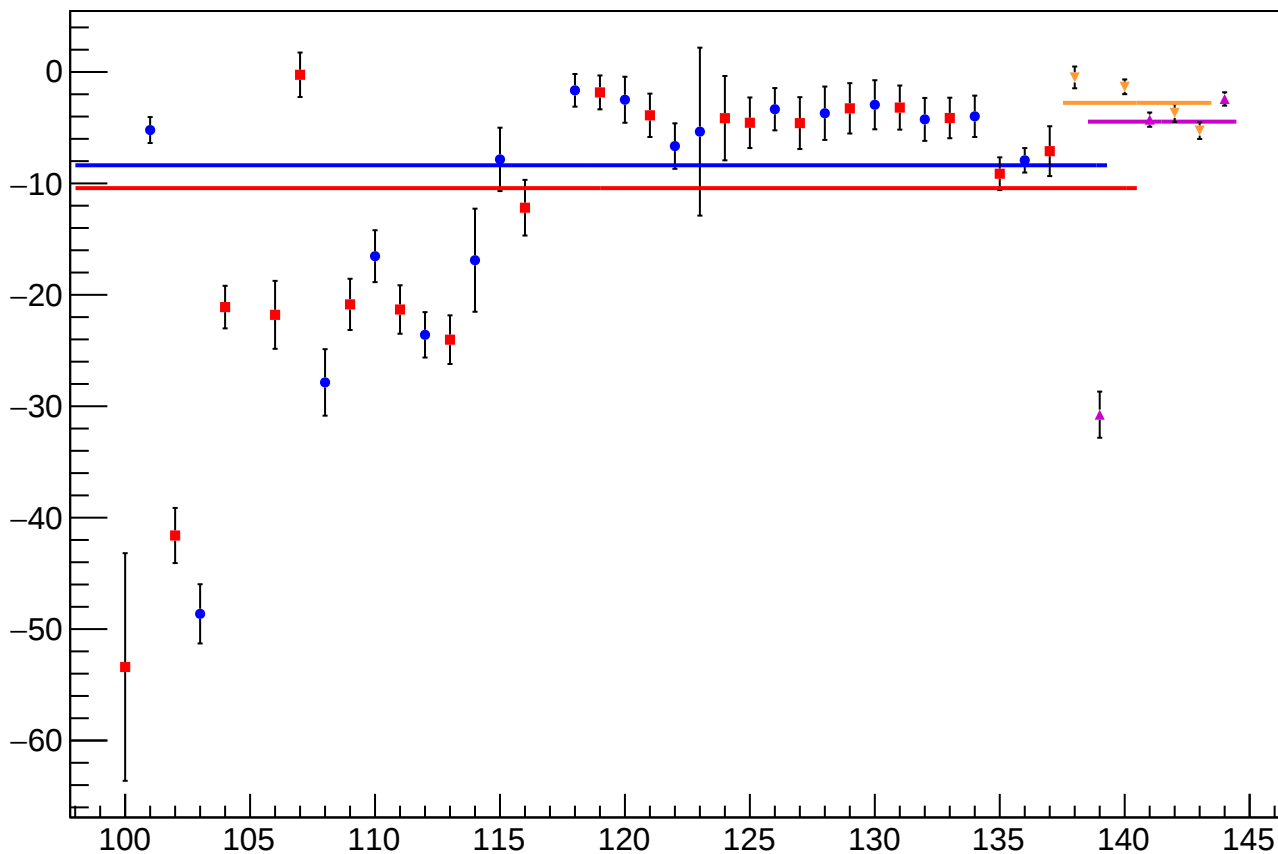
Left In: -34.690+/-0.543 χ^2/NDF :54.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -39.662+/-0.371 χ^2/NDF : 339.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.373 ± 0.467 $\chi^2/\text{NDF}: 408.5/16$

Left Out: -2.770 ± 0.390 $\chi^2/\text{NDF}: 22.2/3$

Right Out: -10.423 ± 0.492 $\chi^2/\text{NDF}: 429.8/18$

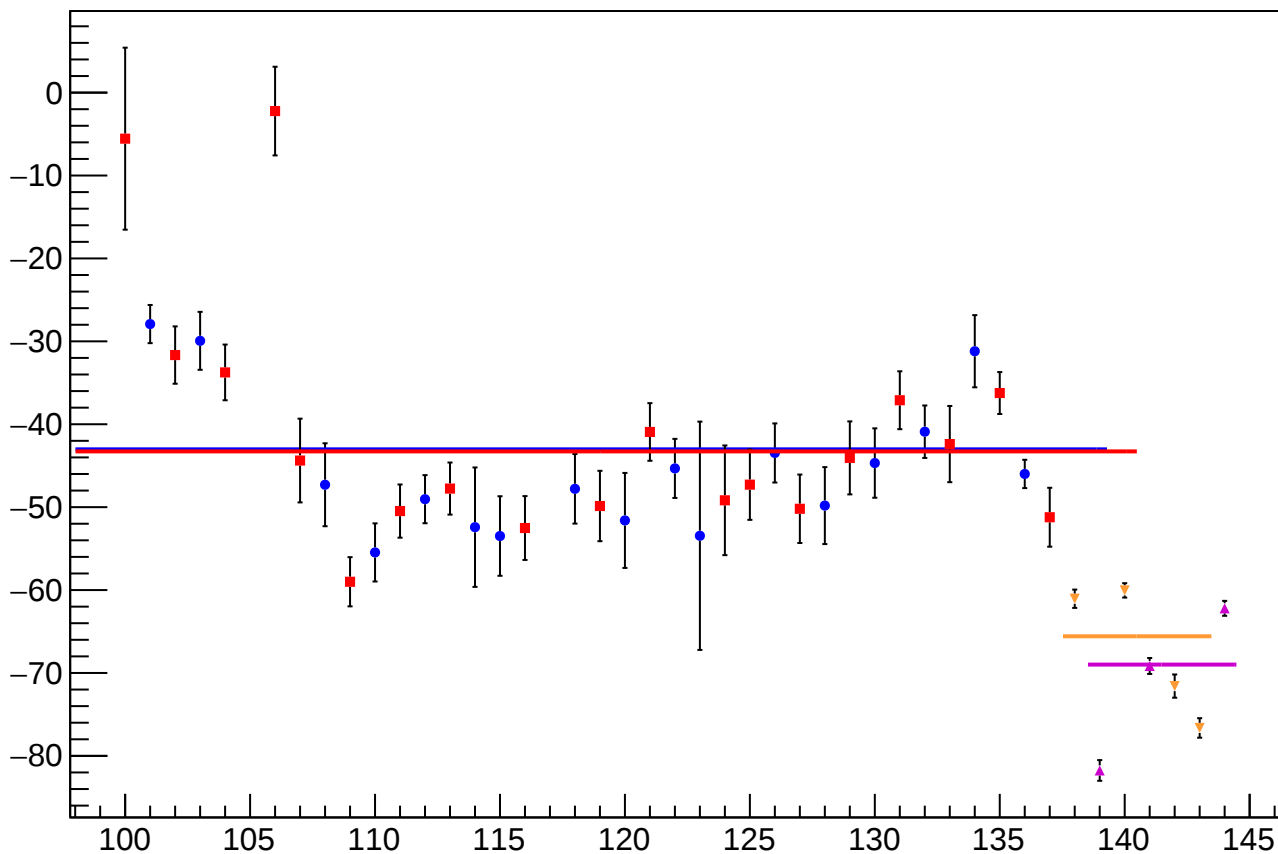
Left In: -4.457 ± 0.428 $\chi^2/\text{NDF}: 172.9/2$

+ sign -5.078 ± 0.299 $\chi^2/\text{NDF}: 515.6/20$

All: -5.980 ± 0.220 $\chi^2/\text{NDF}: 1221.7/42$

- sign -7.028 ± 0.323 $\chi^2/\text{NDF}: 686.5/21$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.028 ± 0.838 $\chi^2/\text{NDF}: 98.9/16$

Left Out: -65.576 ± 0.544 $\chi^2/\text{NDF}: 164.0/3$

Right Out: -43.274 ± 0.868 $\chi^2/\text{NDF}: 154.3/18$

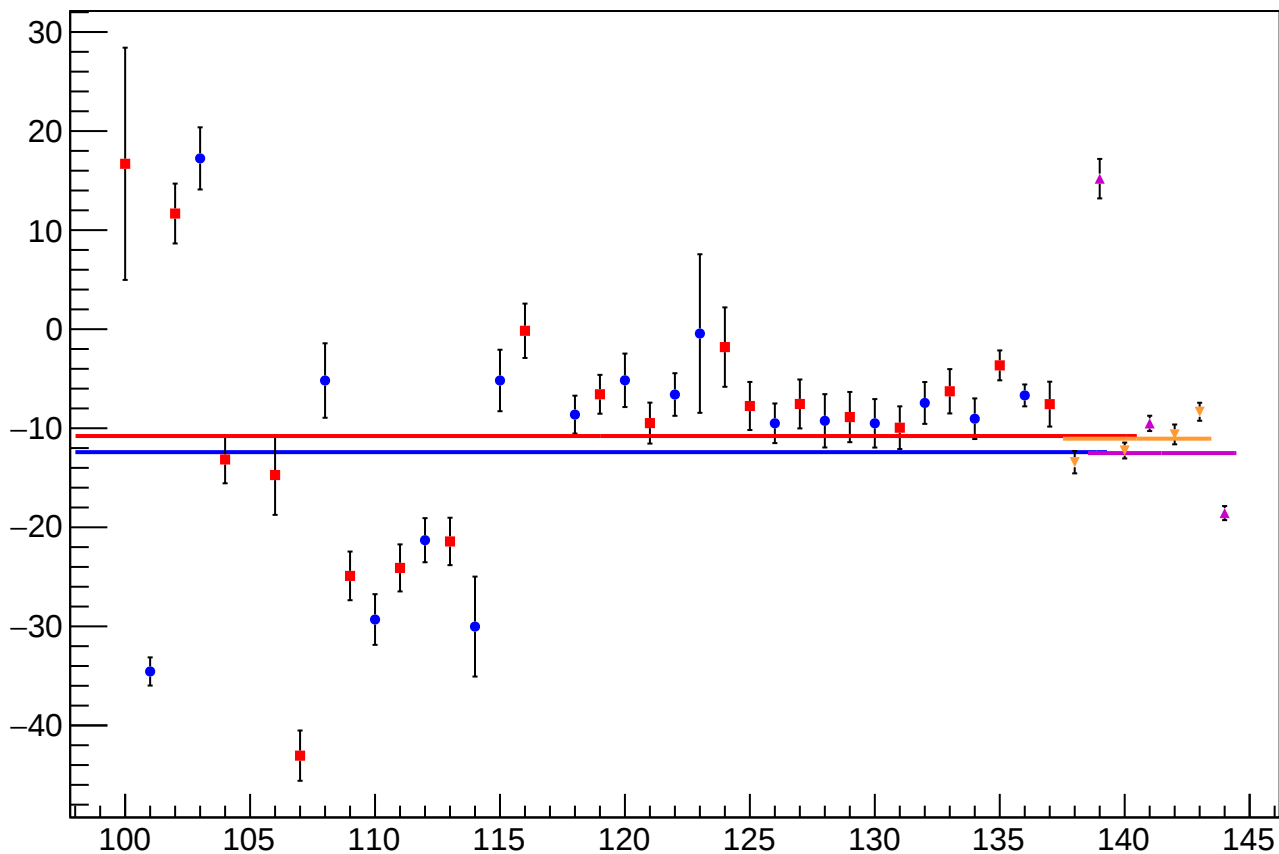
Left In: -68.989 ± 0.582 $\chi^2/\text{NDF}: 161.3/2$

+ sign -58.889 ± 0.457 $\chi^2/\text{NDF}: 771.7/20$

All: -59.897 ± 0.332 $\chi^2/\text{NDF}: 1703.0/42$

- sign -61.025 ± 0.483 $\chi^2/\text{NDF}: 921.0/21$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.412 $\pm$ 0.524 χ^2/NDF : 473.5/16

Left Out: -11.052 $\pm$ 0.469 χ^2/NDF : 15.7/3

Right Out: -10.786 $\pm$ 0.555 χ^2/NDF : 365.9/18

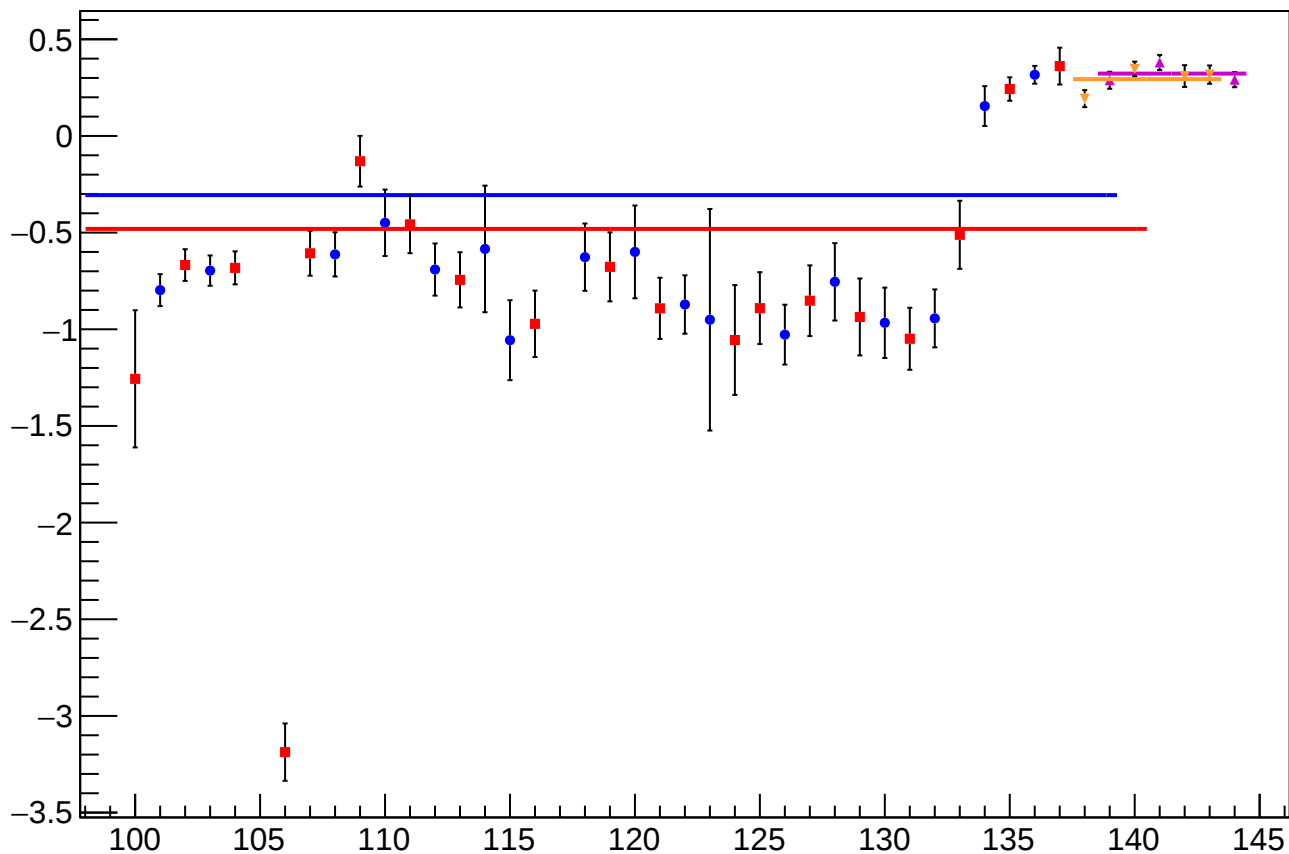
Left In: -12.508 $\pm$ 0.506 χ^2/NDF : 280.8/2

+ sign -11.657 $\pm$ 0.349 χ^2/NDF : 493.0/20

All: -11.689 $\pm$ 0.255 χ^2/NDF : 1145.0/42

- sign -11.726 $\pm$ 0.374 χ^2/NDF : 652.0/21

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: 0.294 ± 0.023 χ^2/NDF : 7.5/3

Right Out: -0.481 ± 0.029 χ^2/NDF : 627.8/18

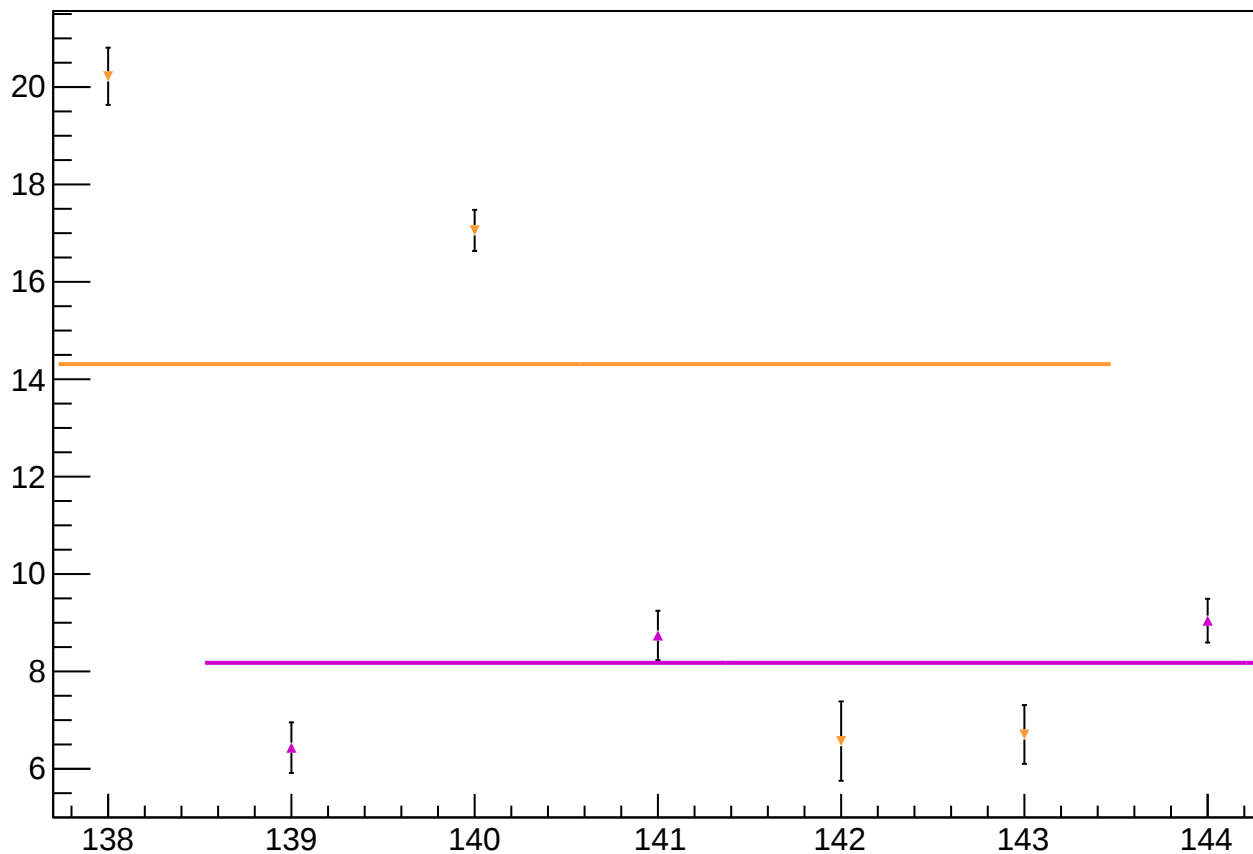
Left In: 0.323 ± 0.023 χ^2/NDF : 3.4/2

+ sign 0.054 ± 0.017 χ^2/NDF : 662.9/20

All: 0.029 ± 0.013 χ^2/NDF : 1770.8/42

- sign 0.001 ± 0.018 χ^2/NDF : 1103.4/21

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: 14.310+/-0.280 χ^2/NDF : 392.4/3

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

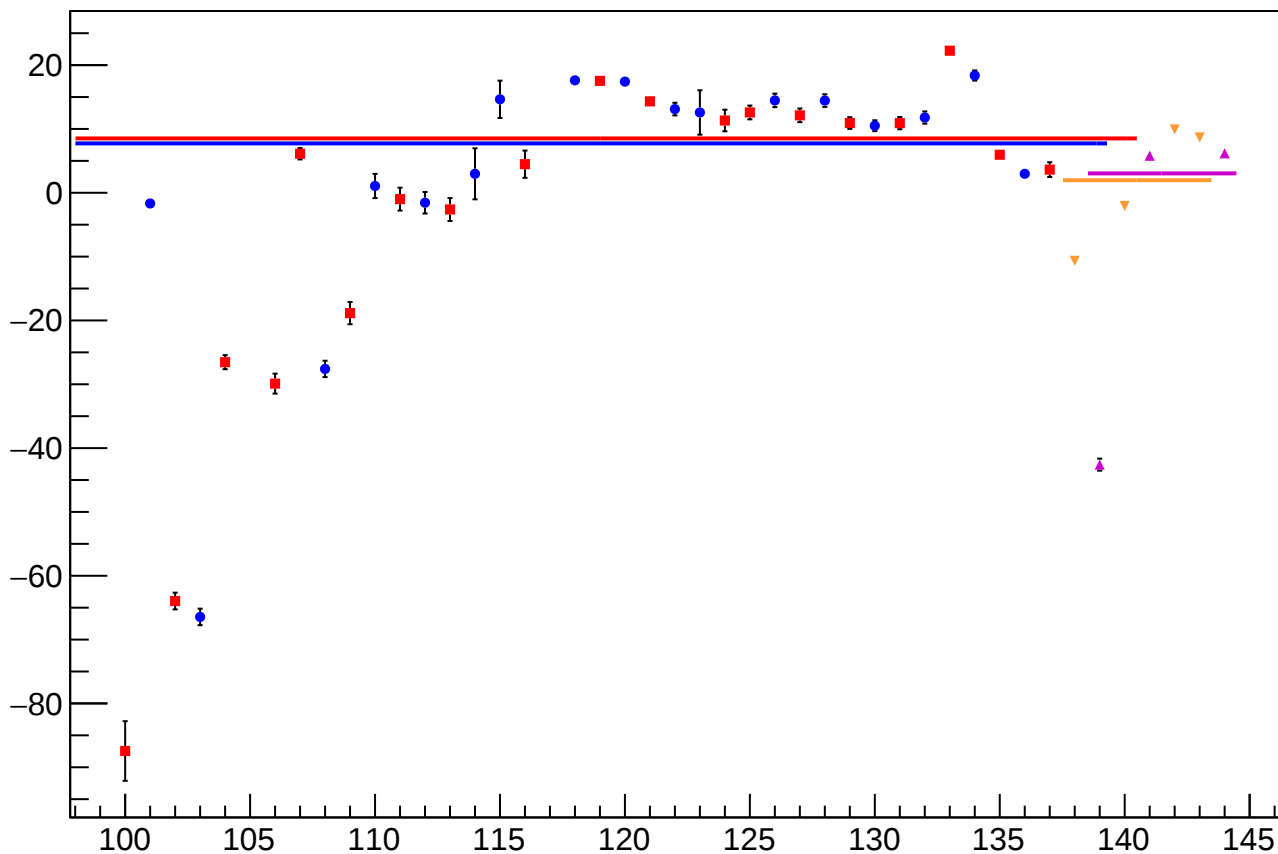
Left In: 8.177+/-0.282 χ^2/NDF : 16.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 11.271+/-0.199 χ^2/NDF : 646.4/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.736 ± 0.218 χ^2/NDF : 5301.4/16

Left Out: 1.970 ± 0.221 χ^2/NDF : 1077.2/3

Right Out: 8.518 ± 0.214 χ^2/NDF : 6720.6/18

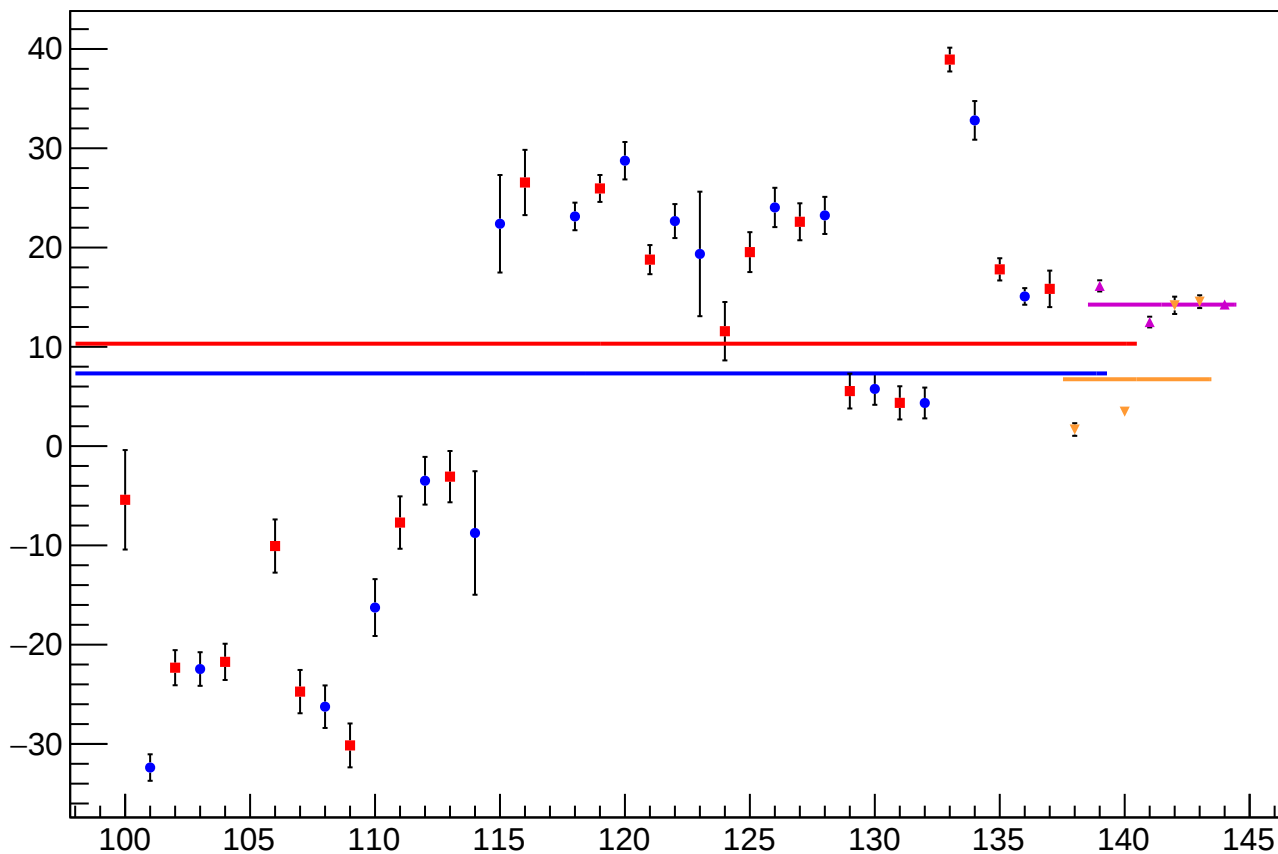
Left In: 3.039 ± 0.234 χ^2/NDF : 2485.3/2

+ sign 4.885 ± 0.155 χ^2/NDF : 6723.5/20

All: 5.446 ± 0.111 χ^2/NDF : 16255.5/42

- sign 6.025 ± 0.158 χ^2/NDF : 9505.4/21

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.321 ± 0.419 χ^2/NDF : 2291.7/16

Left Out: 6.734 ± 0.300 χ^2/NDF : 335.8/3

Right Out: 10.315 ± 0.418 χ^2/NDF : 2282.9/18

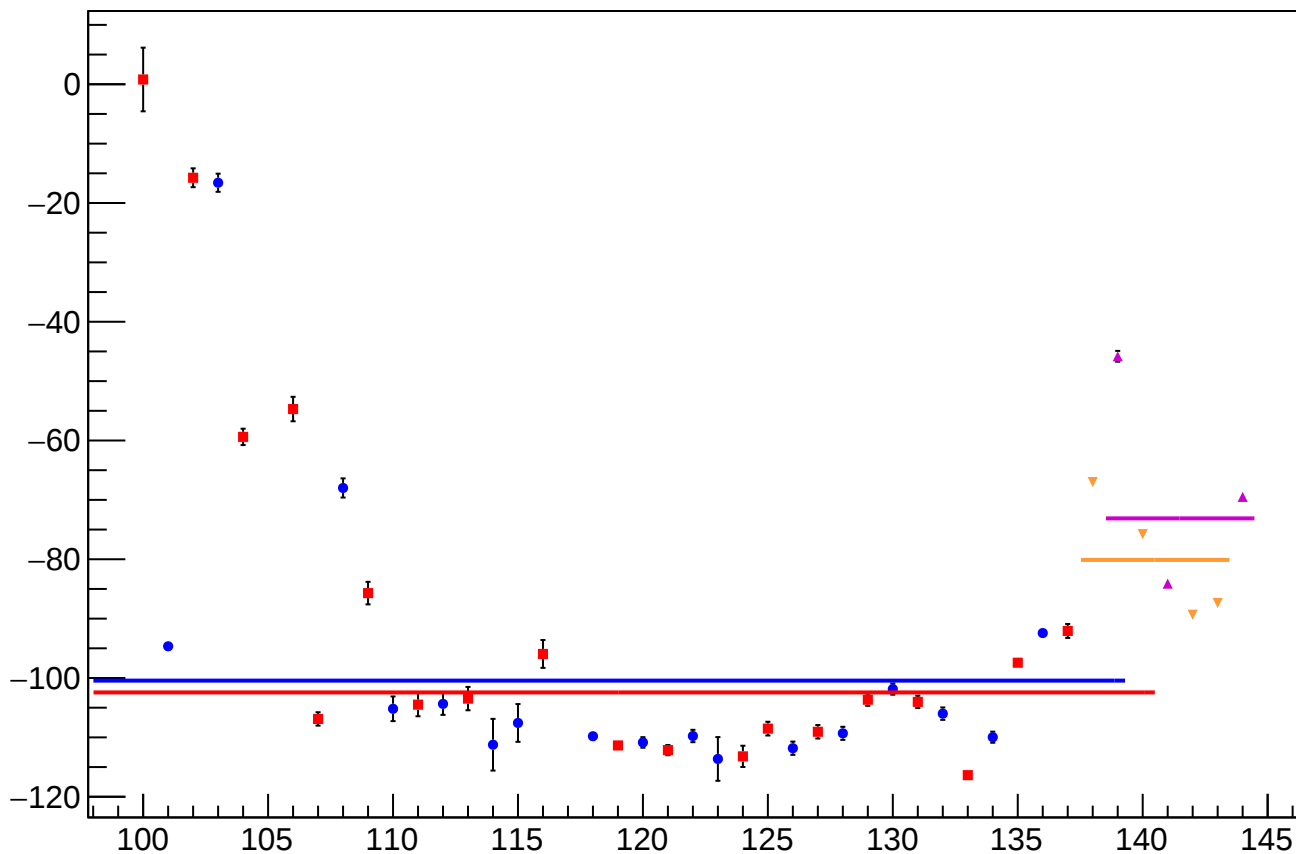
Left In: 14.252 ± 0.303 χ^2/NDF : 21.9/2

+ sign 6.933 ± 0.244 χ^2/NDF : 2628.8/20

All: 9.898 ± 0.173 χ^2/NDF : 5289.3/42

- sign 12.896 ± 0.245 χ^2/NDF : 2363.0/21

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.441 ± 0.251 χ^2/NDF : 4458.9/16

Left Out: -80.110 ± 0.264 χ^2/NDF : 906.4/3

Right Out: -102.428 ± 0.247 χ^2/NDF : 6094.9/18

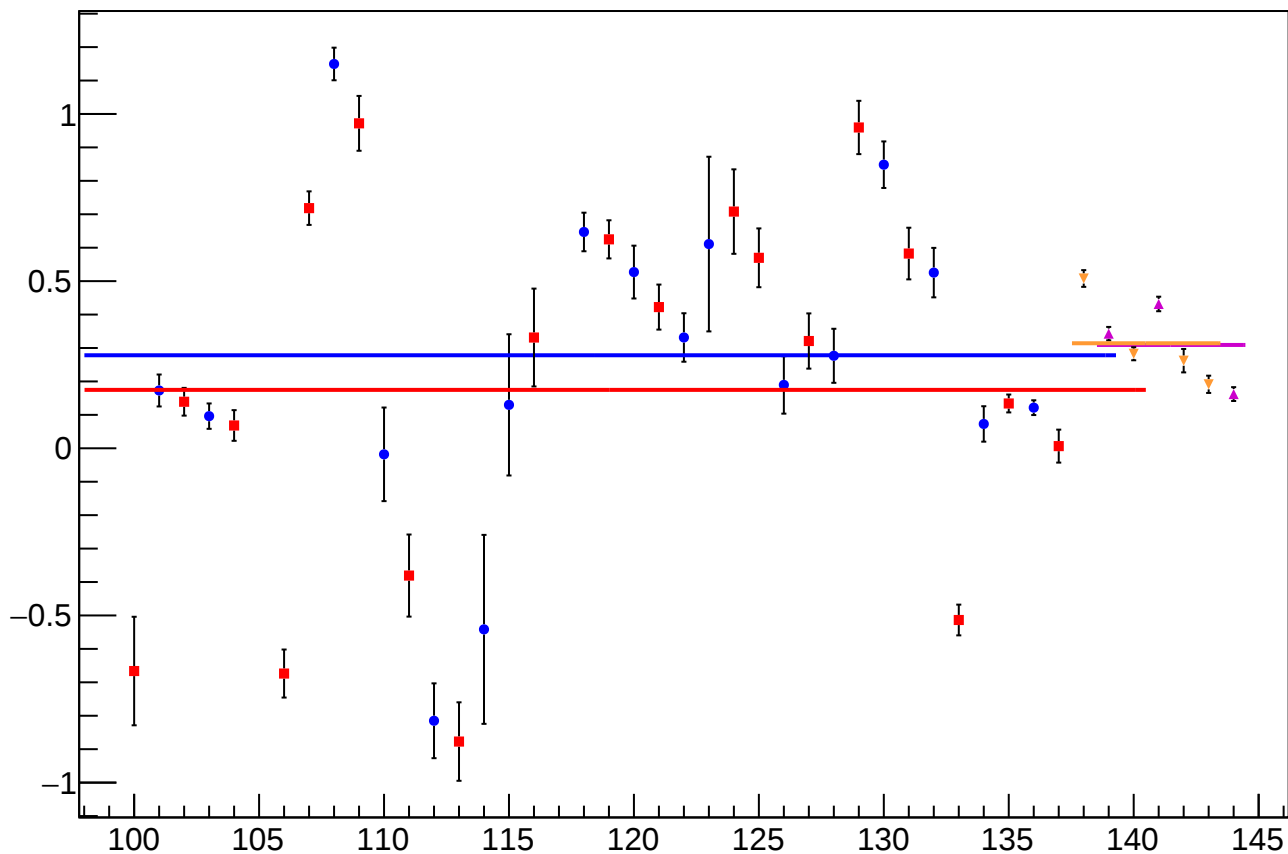
Left In: -73.117 ± 0.274 χ^2/NDF : 1624.4/2

+ sign -90.782 ± 0.182 χ^2/NDF : 8481.0/20

All: -90.047 ± 0.129 χ^2/NDF : 22557.5/42

- sign -89.300 ± 0.183 χ^2/NDF : 14043.5/21

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.278 ± 0.014 χ^2/NDF : 653.5/16

Left Out: 0.314 ± 0.012 χ^2/NDF : 87.4/3

Right Out: 0.175 ± 0.013 χ^2/NDF : 966.1/18

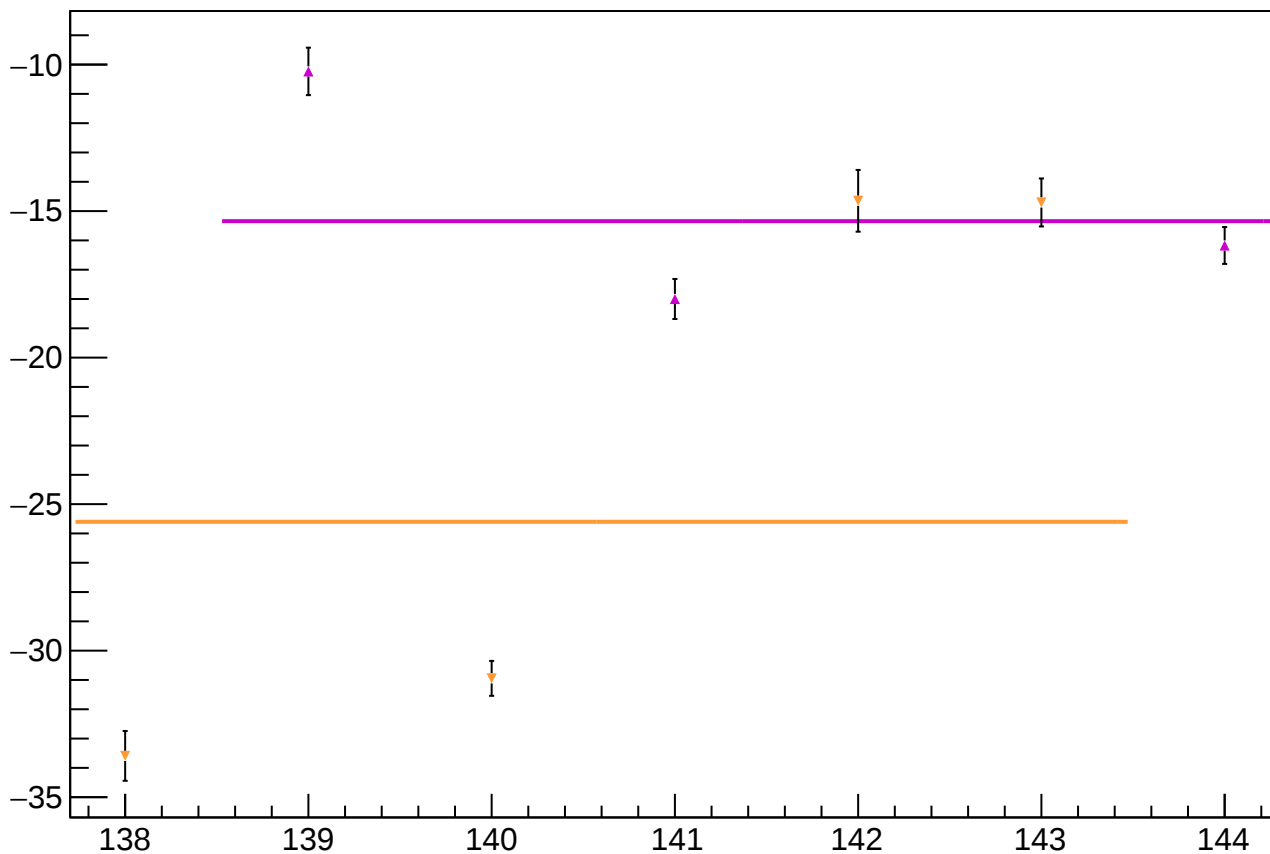
Left In: 0.309 ± 0.012 χ^2/NDF : 85.0/2

+ sign 0.298 ± 0.009 χ^2/NDF : 744.7/20

All: 0.273 ± 0.006 χ^2/NDF : 1865.3/42

- sign 0.250 ± 0.009 χ^2/NDF : 1106.3/21

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -25.602+/-0.389 χ^2/NDF : 453.9/3

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

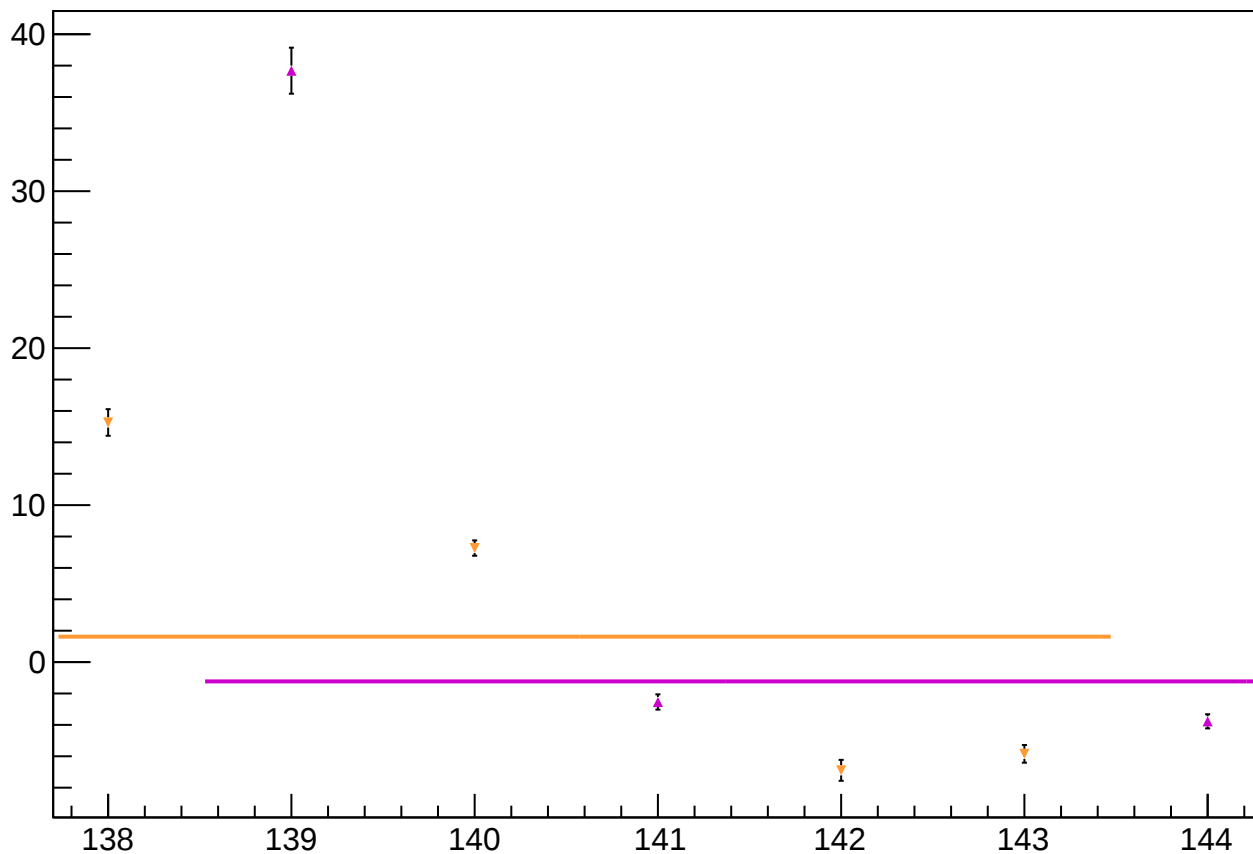
Left In: -15.343+/-0.402 χ^2/NDF : 56.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.632+/-0.280 χ^2/NDF : 846.8/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 1.620+/-0.302 χ^2/NDF : 731.4/3

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

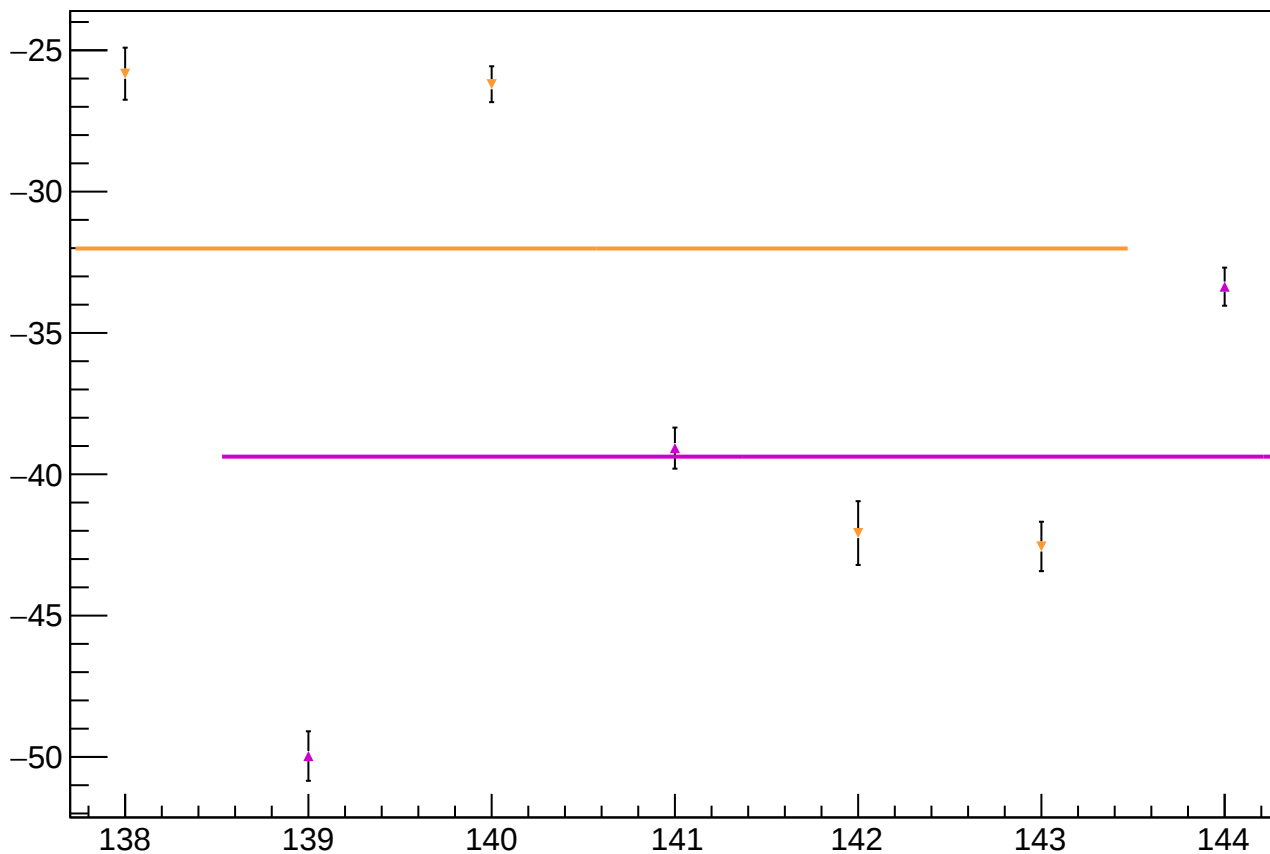
Left In: -1.230+/-0.322 χ^2/NDF : 742.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.289+/-0.220 χ^2/NDF : 1515.9/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -32.012+/-0.417 χ^2/NDF : 354.0/3

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

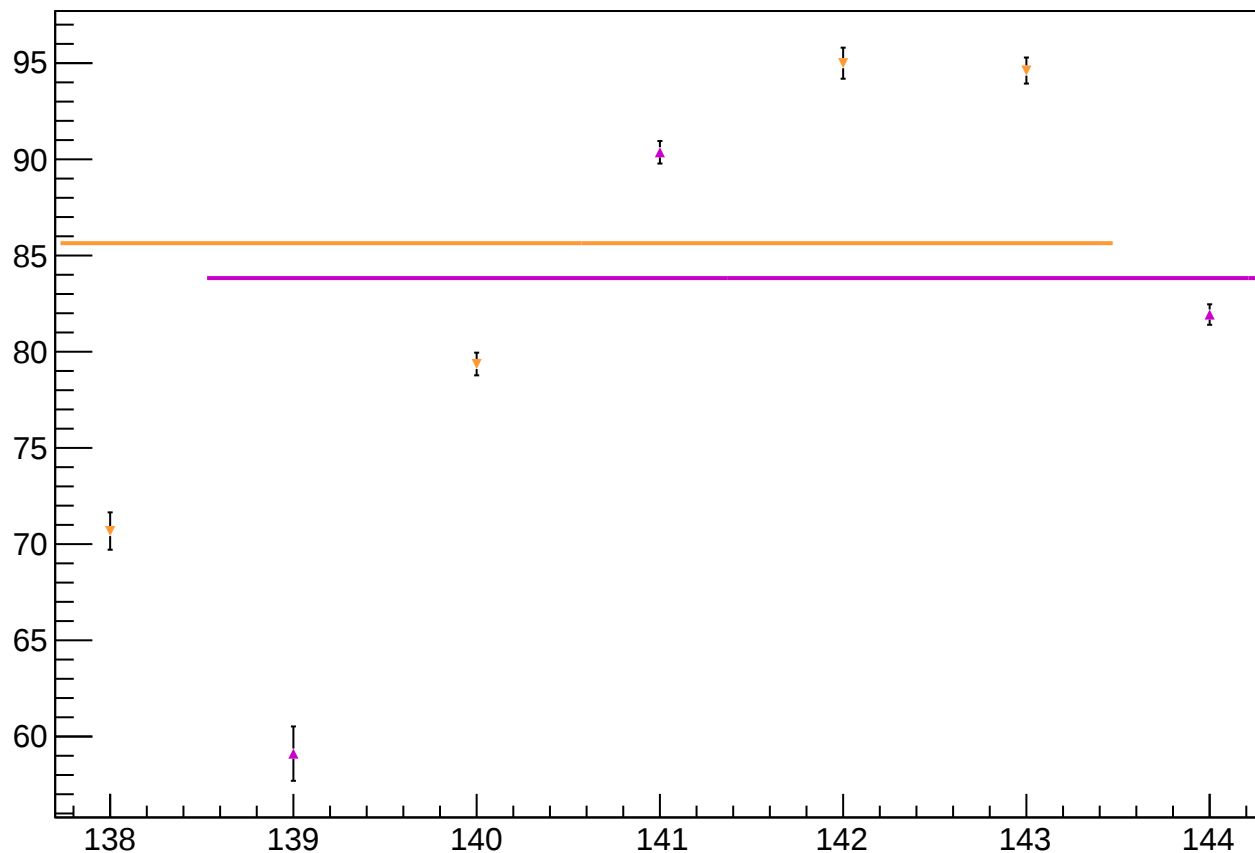
Left In: -39.376+/-0.430 χ^2/NDF : 226.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -35.577+/-0.299 χ^2/NDF : 731.1/6

- 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 85.642 $\pm$ 0.361 χ^2 /NDF: 660.9/3

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

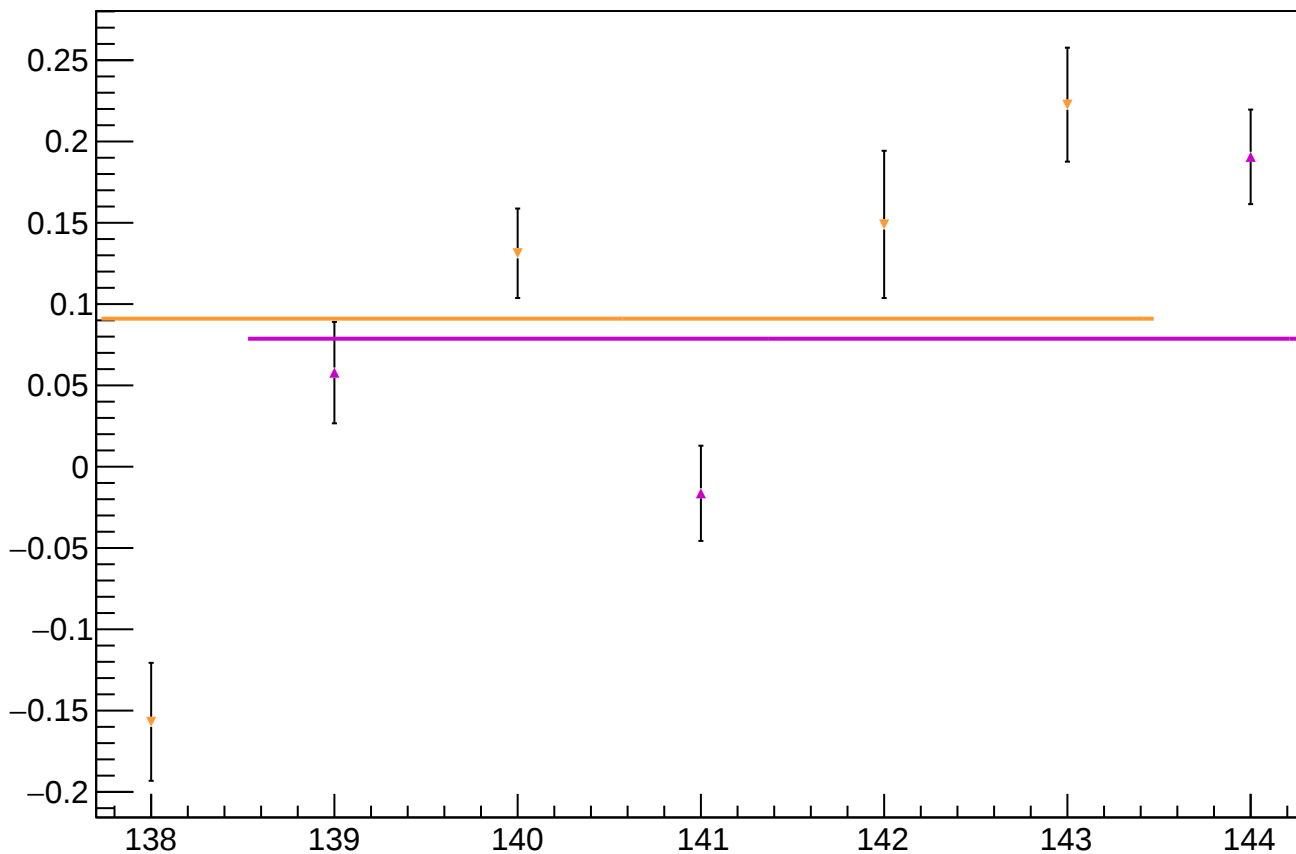
Left In: 83.828 $\pm$ 0.380 χ^2 /NDF: 443.5/2

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

All: 84.779 $\pm$ 0.262 χ^2 /NDF: 1116.3/6

- sign 0.000 $\pm$ 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: 0.091+/-0.017 χ^2 /NDF:64.6/3

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

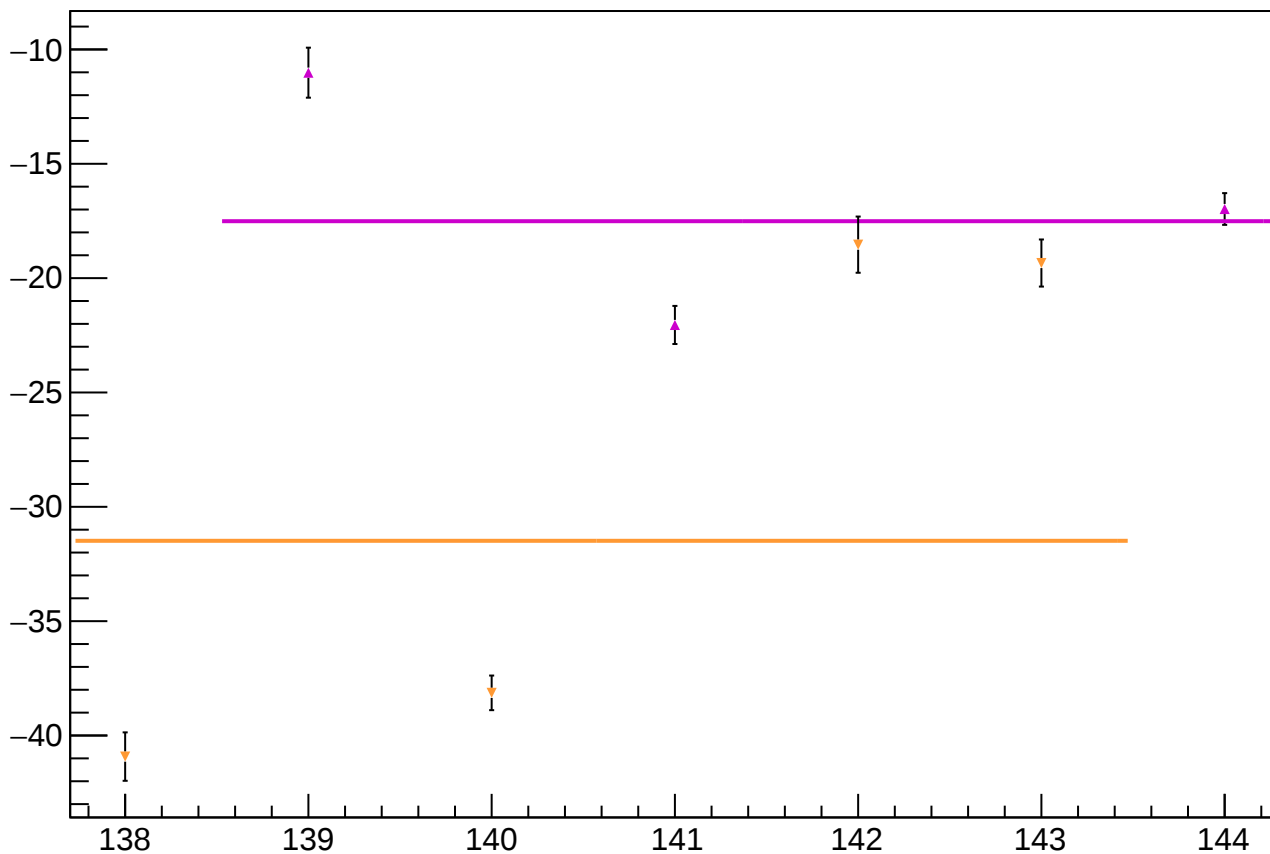
Left In: 0.079+/-0.017 χ^2 /NDF:25.8/2

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 0.085+/-0.012 χ^2 /NDF: 90.7/6

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -31.486+/-0.485 χ^2/NDF : 406.8/3

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

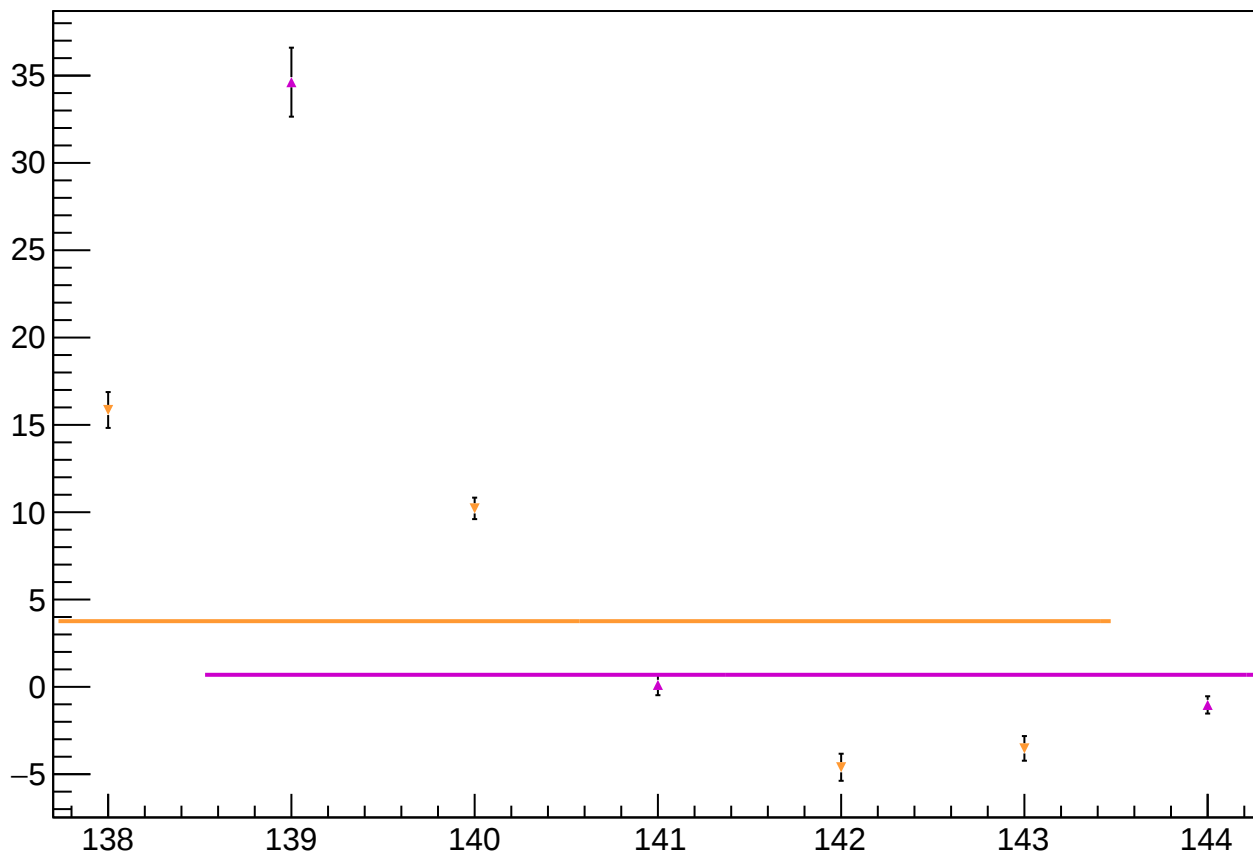
Left In: -17.510+/-0.479 χ^2/NDF : 65.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -24.408+/-0.341 χ^2/NDF : 892.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 3.762+/-0.371 χ^2/NDF : 472.2/3

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

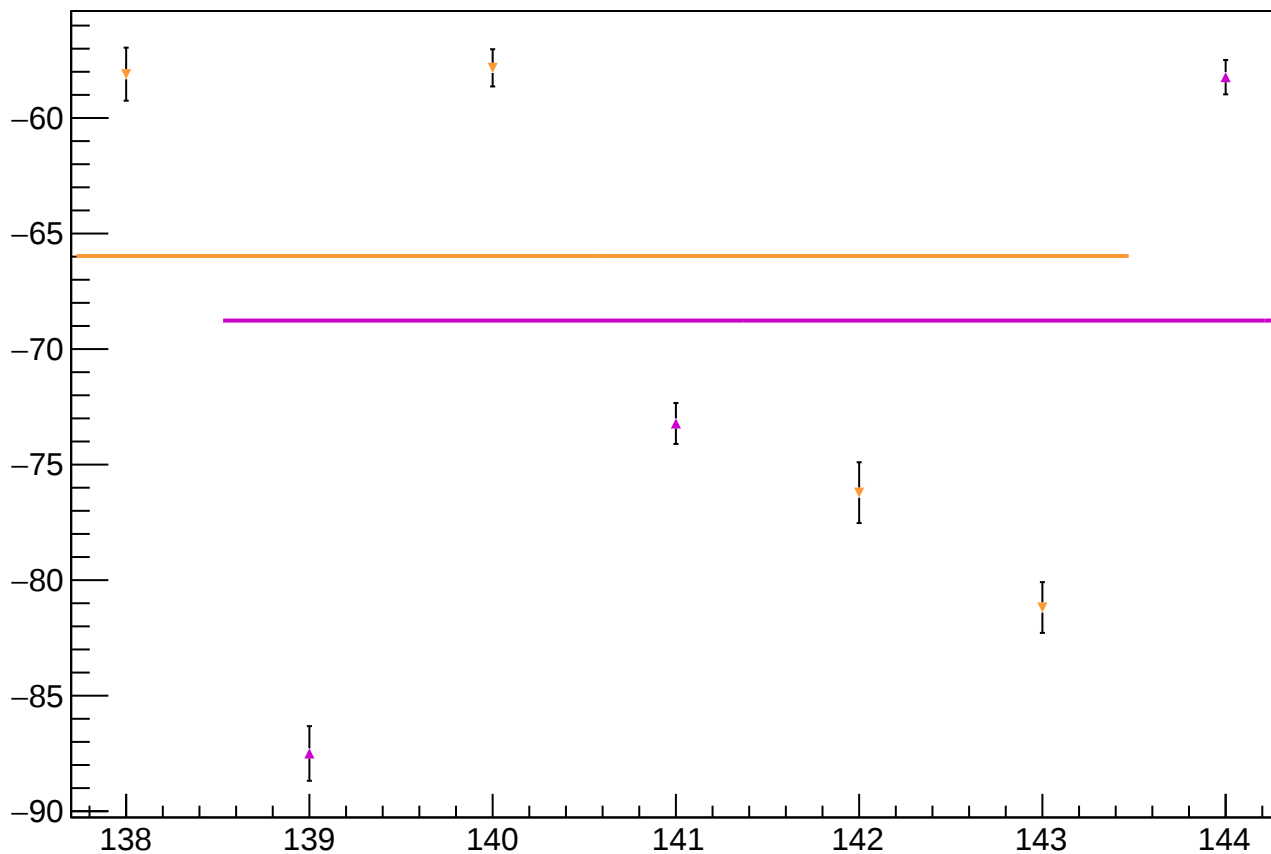
Left In: 0.691+/-0.373 χ^2/NDF : 308.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2.233+/-0.263 χ^2/NDF : 814.4/6

- 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: -65.972+/-0.520 χ^2/NDF : 401.3/3

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

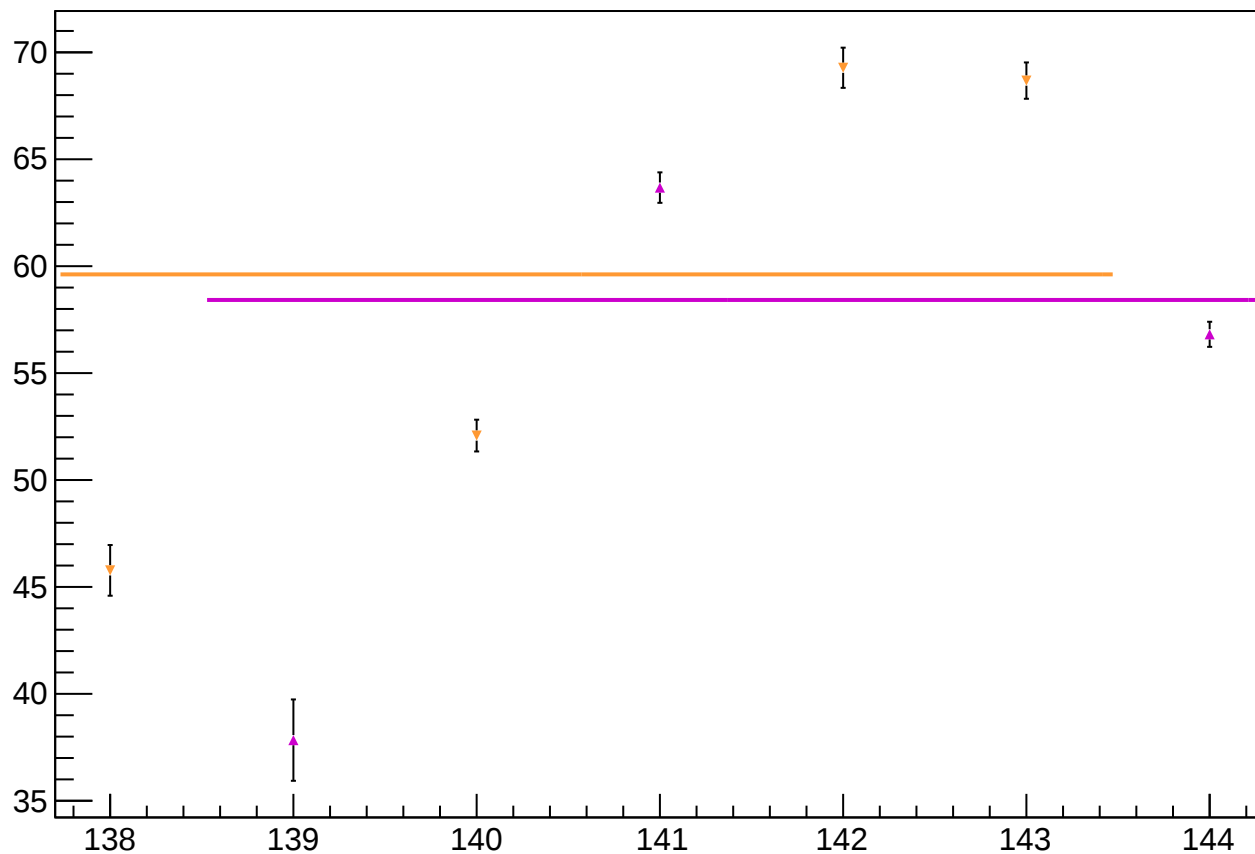
Left In: -68.766+/-0.513 χ^2/NDF : 476.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -67.386+/-0.365 χ^2/NDF : 892.6/6

- 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: 59.616+/-0.445 χ^2/NDF : 458.8/3

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

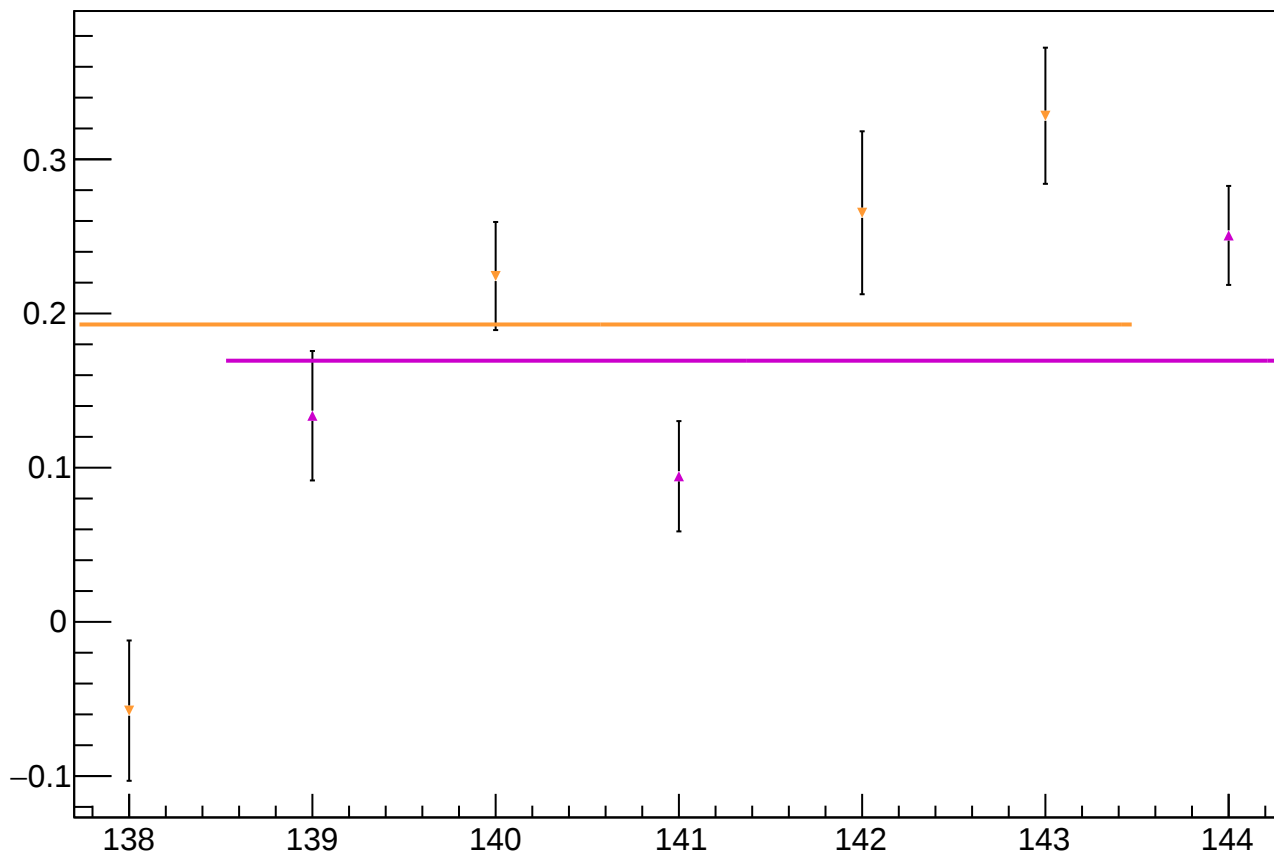
Left In: 58.421+/-0.441 χ^2/NDF : 179.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 59.012+/-0.313 χ^2/NDF : 641.4/6

- 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: 0.193 $\pm$ 0.021 χ^2 /NDF:42.4/3

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

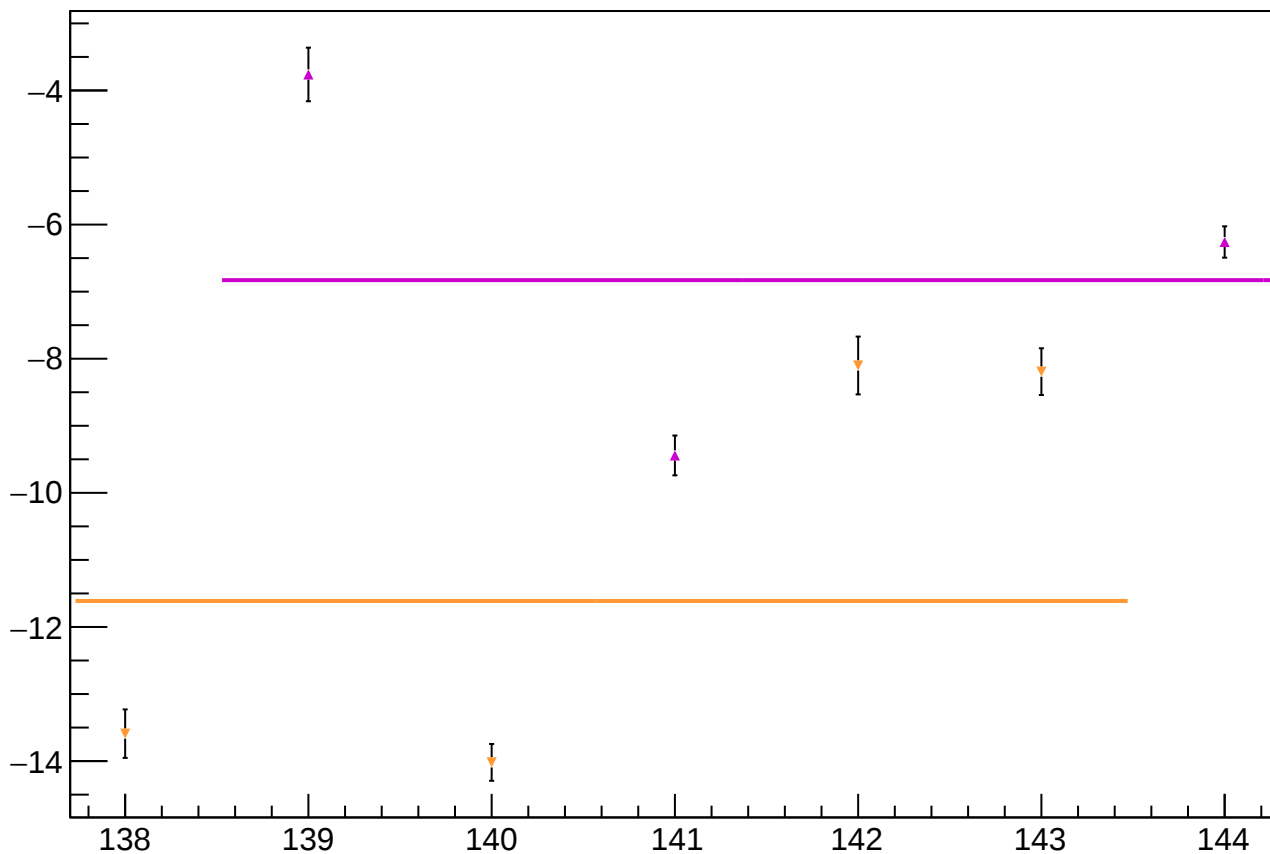
Left In: 0.169 $\pm$ 0.021 χ^2 /NDF:11.5/2

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

All: 0.181 $\pm$ 0.015 χ^2 /NDF: 54.5/6

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -11.612+/-0.170 χ^2/NDF : 269.5/3

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

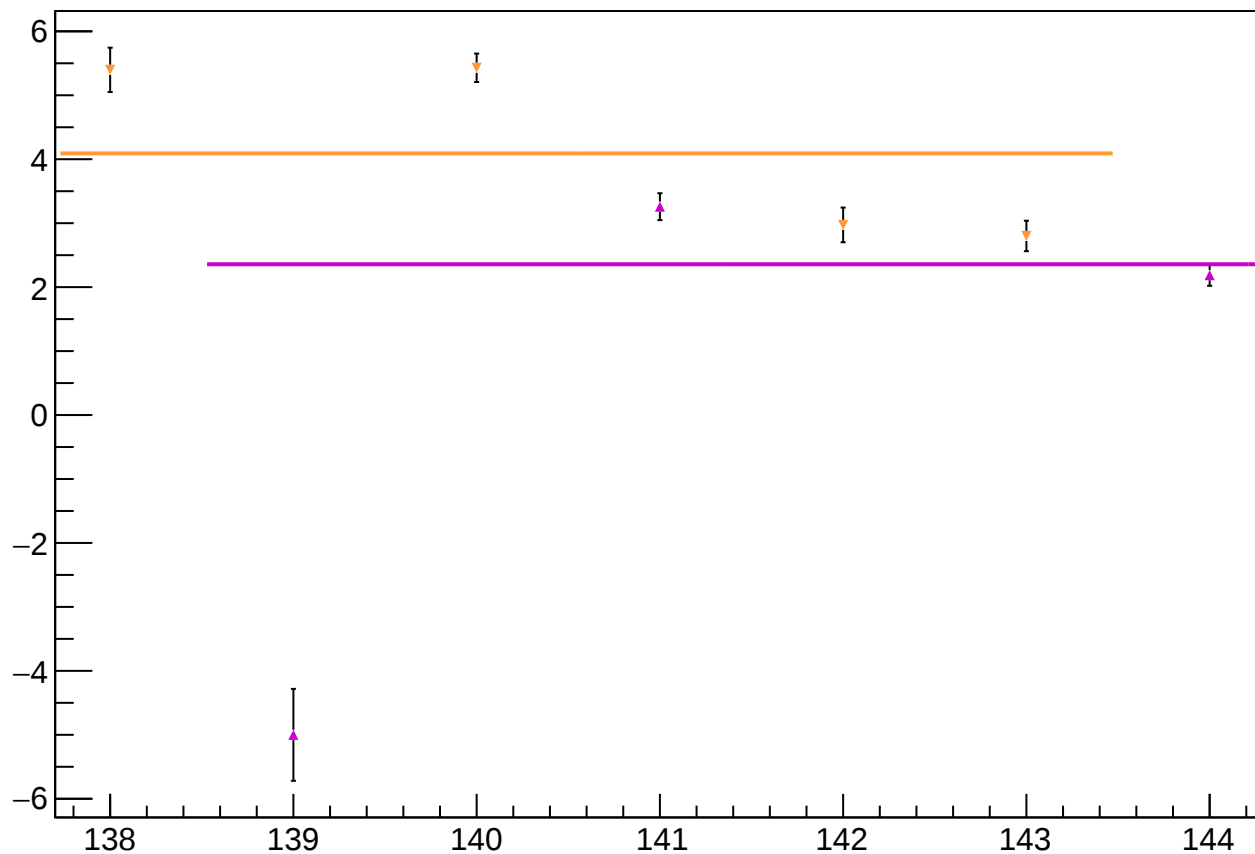
Left In: -6.829+/-0.167 χ^2/NDF : 142.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -9.174+/-0.119 χ^2/NDF : 814.8/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 4.091+/-0.129 χ^2/NDF :96.9/3

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

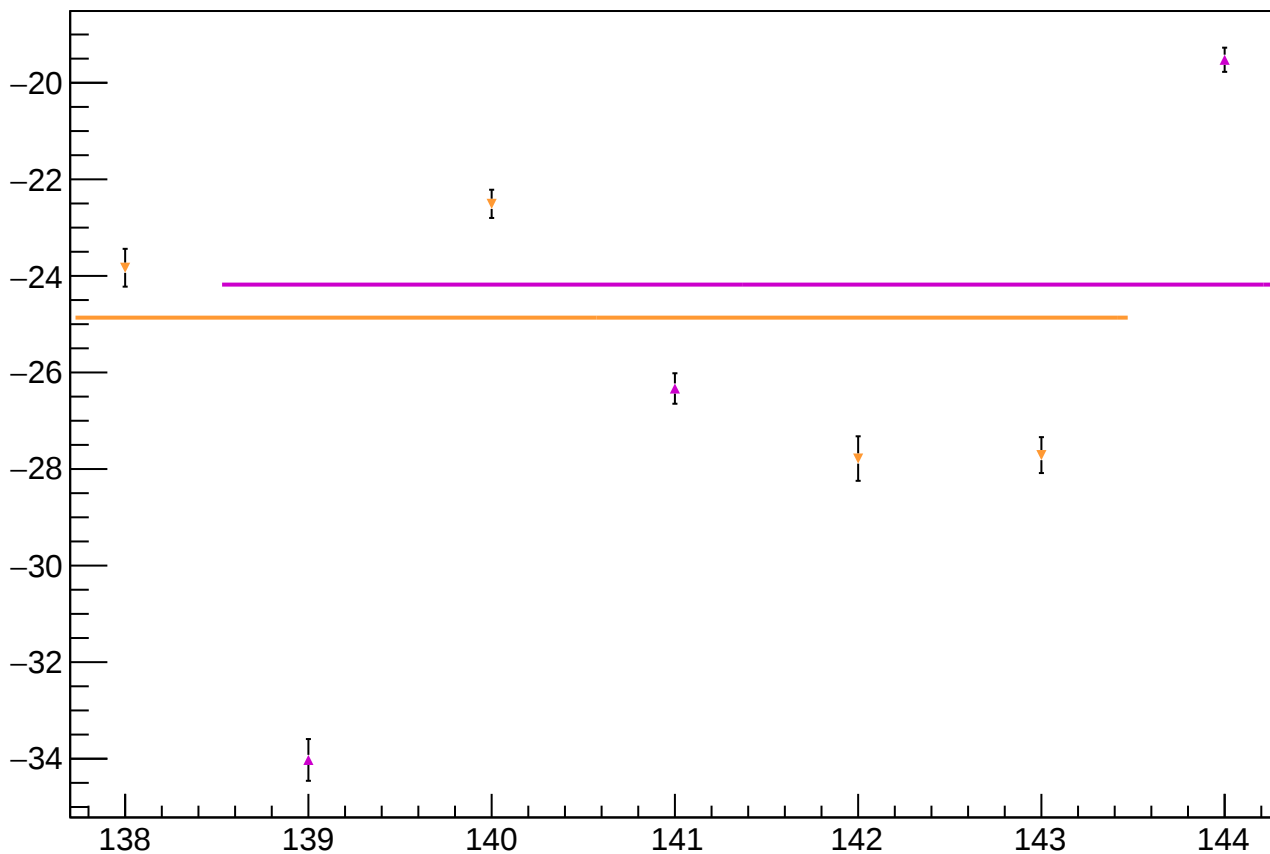
Left In: 2.358+/-0.128 χ^2/NDF :124.3/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 3.219+/-0.091 χ^2/NDF : 311.5/6

- sign 0.000+/-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: -24.864+/-0.182 χ^2/NDF :170.6/3

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

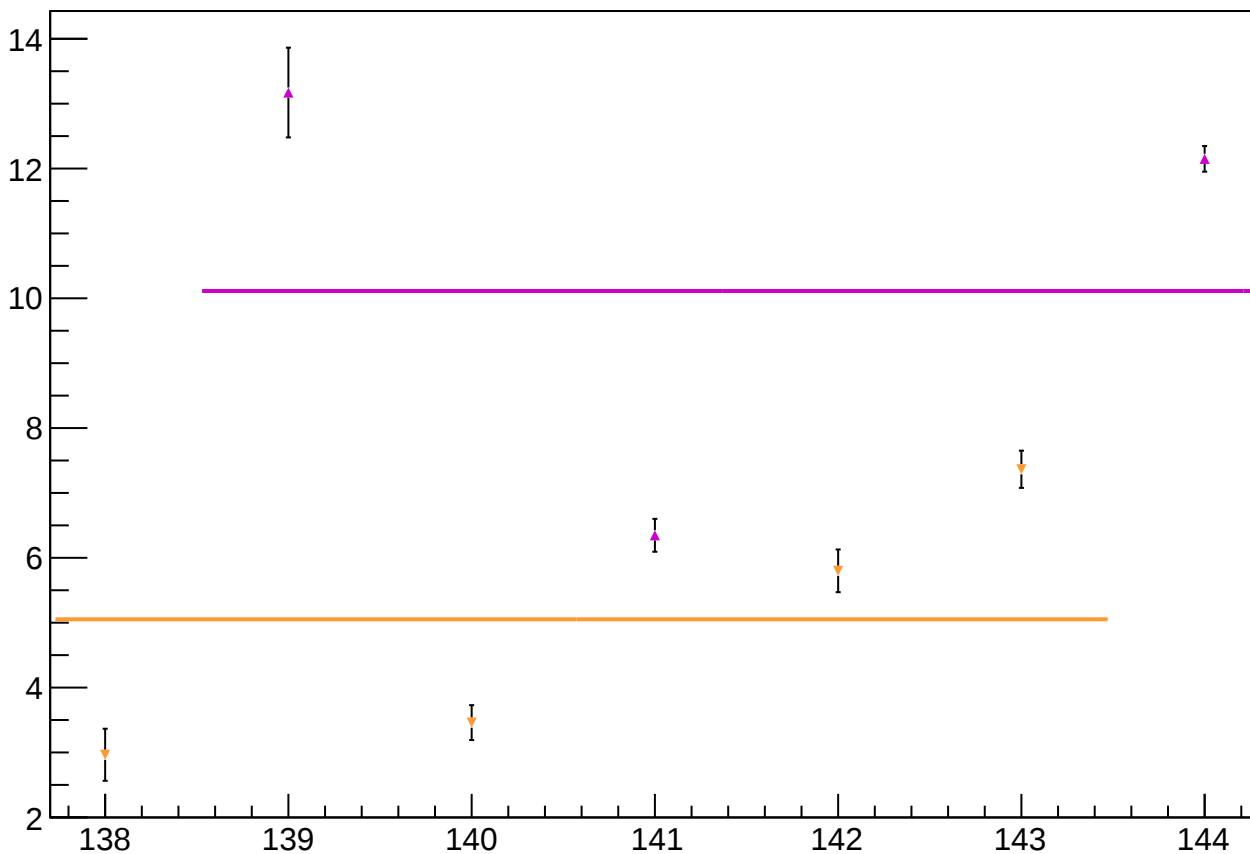
Left In: -24.180+/-0.179 χ^2/NDF :910.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -24.516+/-0.128 χ^2/NDF : 1088.3/6

- 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: 5.053+/-0.155 χ^2/NDF :132.2/3

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

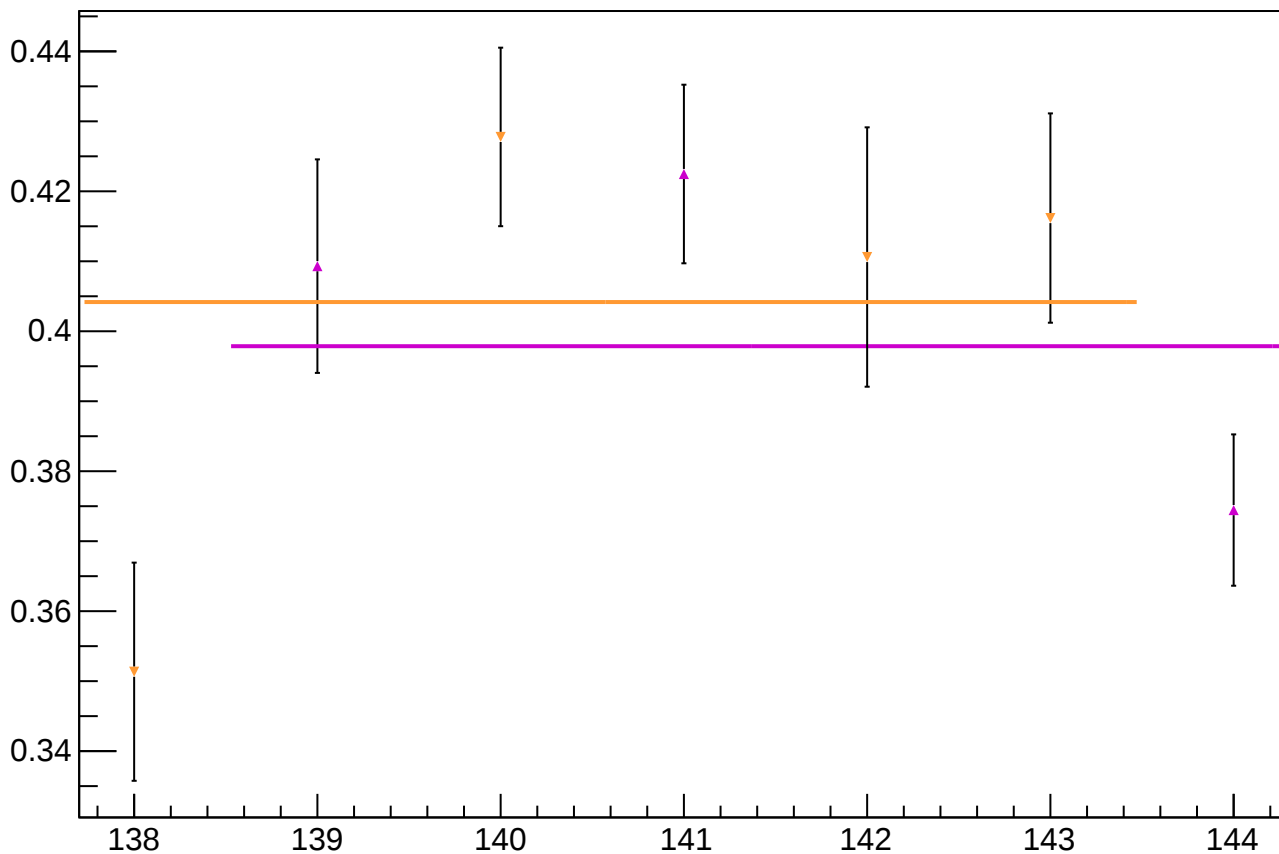
Left In: 10.113+/-0.152 χ^2/NDF :346.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7.638+/-0.109 χ^2/NDF : 1019.9/6

- 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: 0.404 $\pm$ 0.008 χ^2 /NDF:15.7/3

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

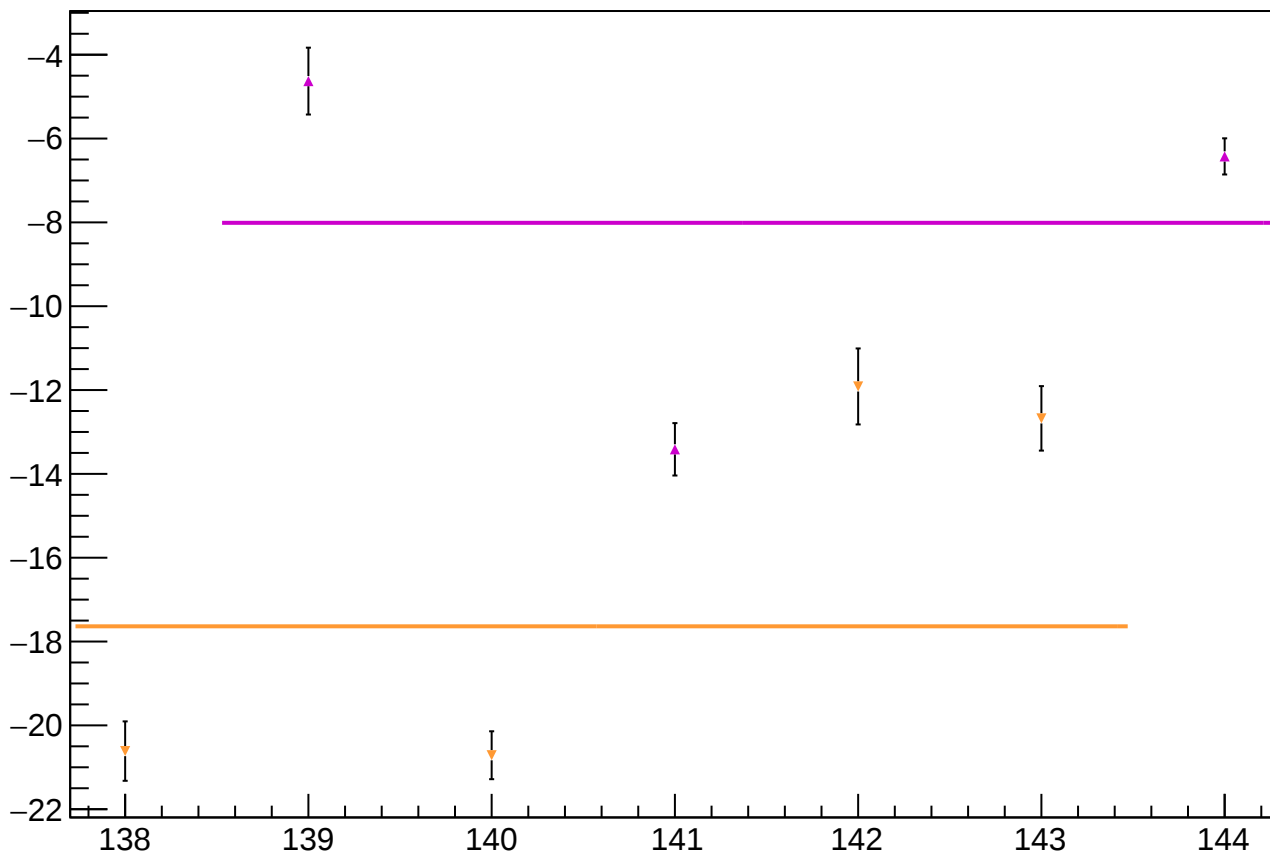
Left In: 0.398 $\pm$ 0.007 χ^2 /NDF:9.0/2

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

All: 0.401 $\pm$ 0.005 χ^2 /NDF: 25.0/6

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -17.637+/-0.354 χ^2/NDF :128.0/3

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

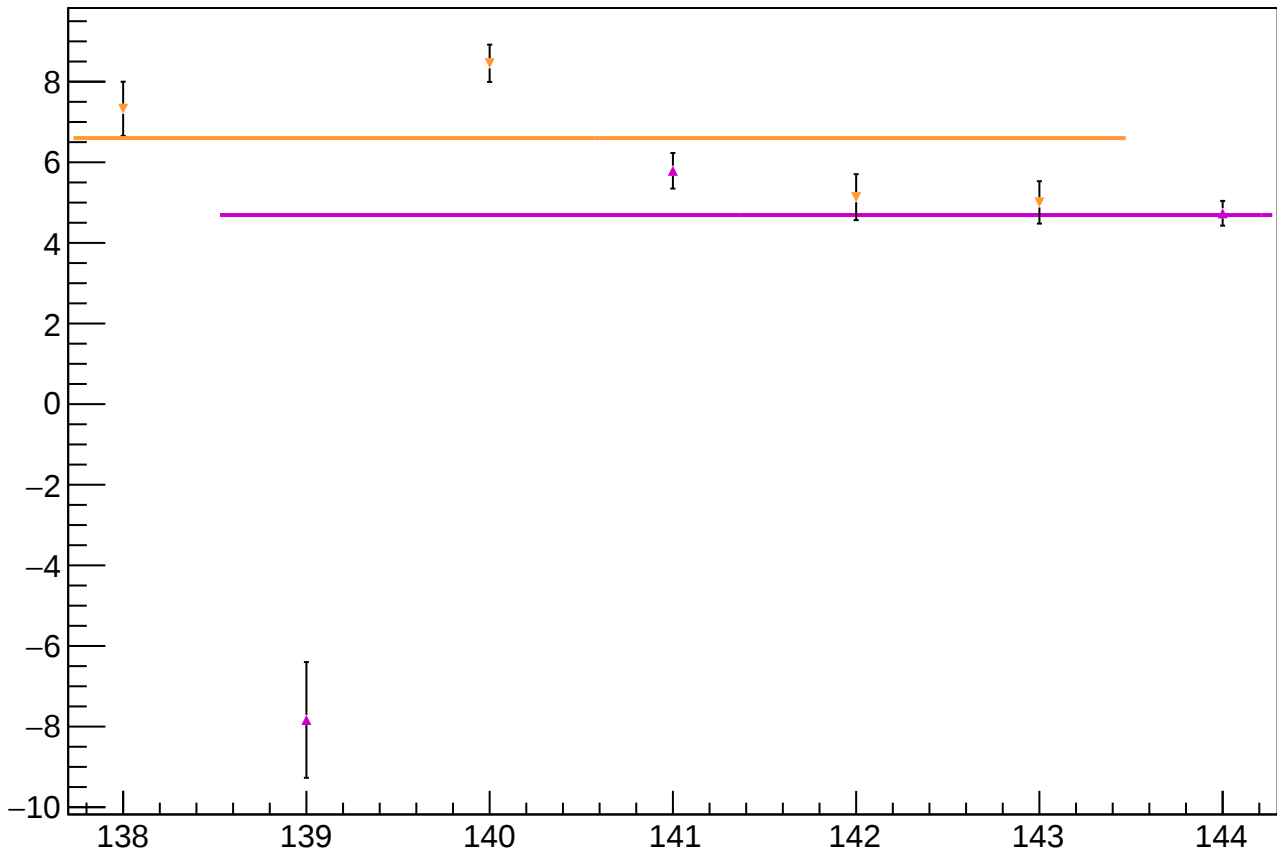
Left In: -8.011+/-0.324 χ^2/NDF :106.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.398+/-0.239 χ^2/NDF : 635.7/6

- sign 0.000+/-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: 6.601 $\pm$ 0.271 χ^2 /NDF:33.1/3

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

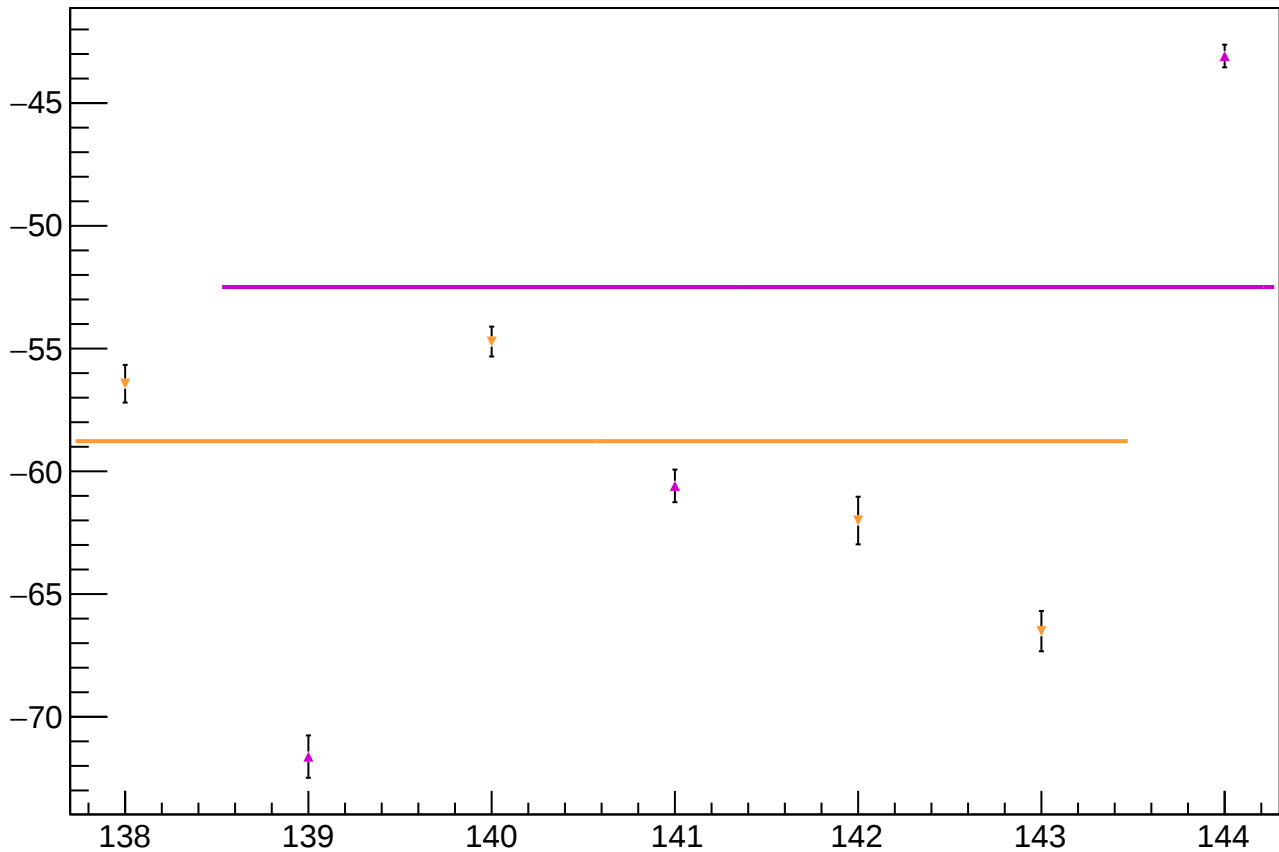
Left In: 4.692 $\pm$ 0.248 χ^2 /NDF:82.3/2

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

All: 5.563 $\pm$ 0.183 χ^2 /NDF: 142.3/6

- 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: -58.770+/-0.379 χ^2/NDF :153.8/3

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

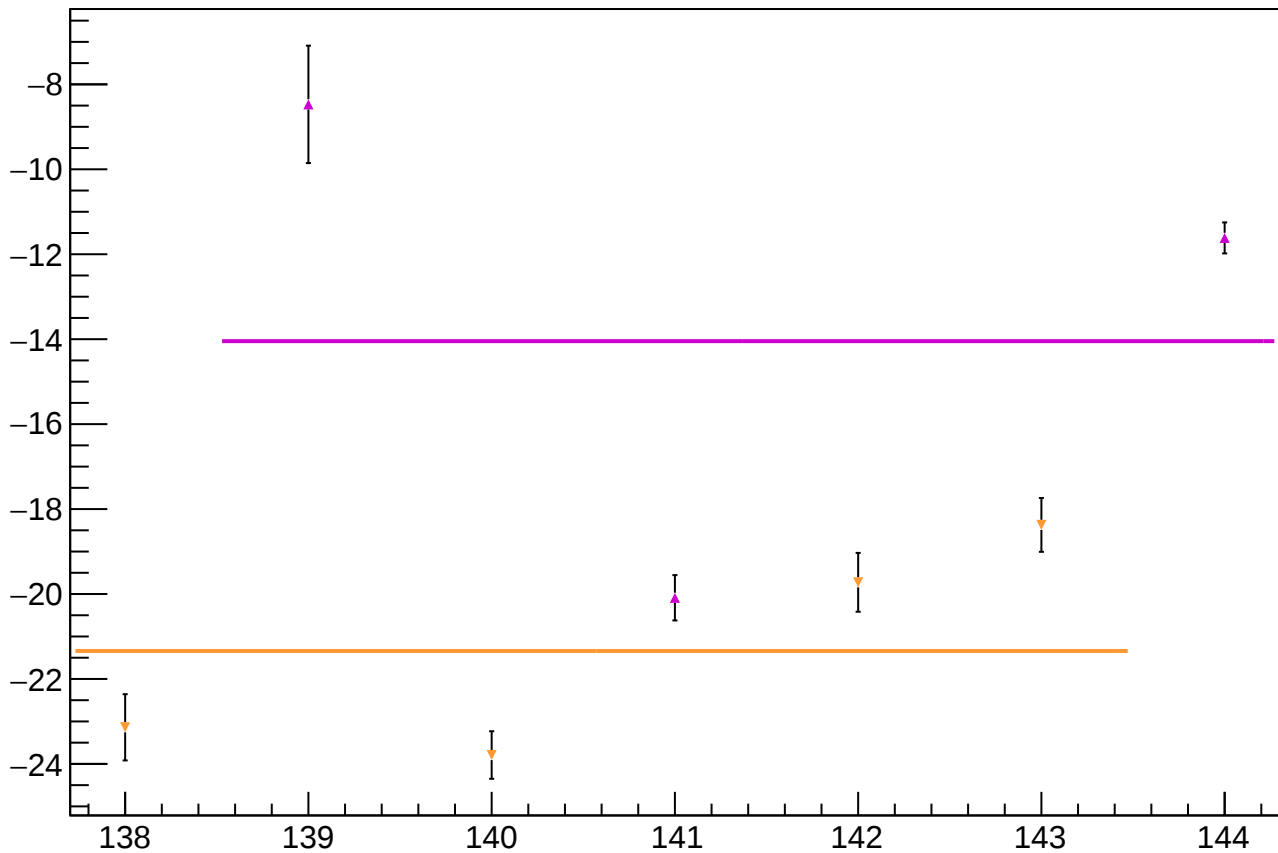
Left In: -52.492+/-0.348 χ^2/NDF :1053.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -55.356+/-0.256 χ^2/NDF : 1356.0/6

- 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: -21.341+/-0.326 χ^2/NDF : 51.8/3

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

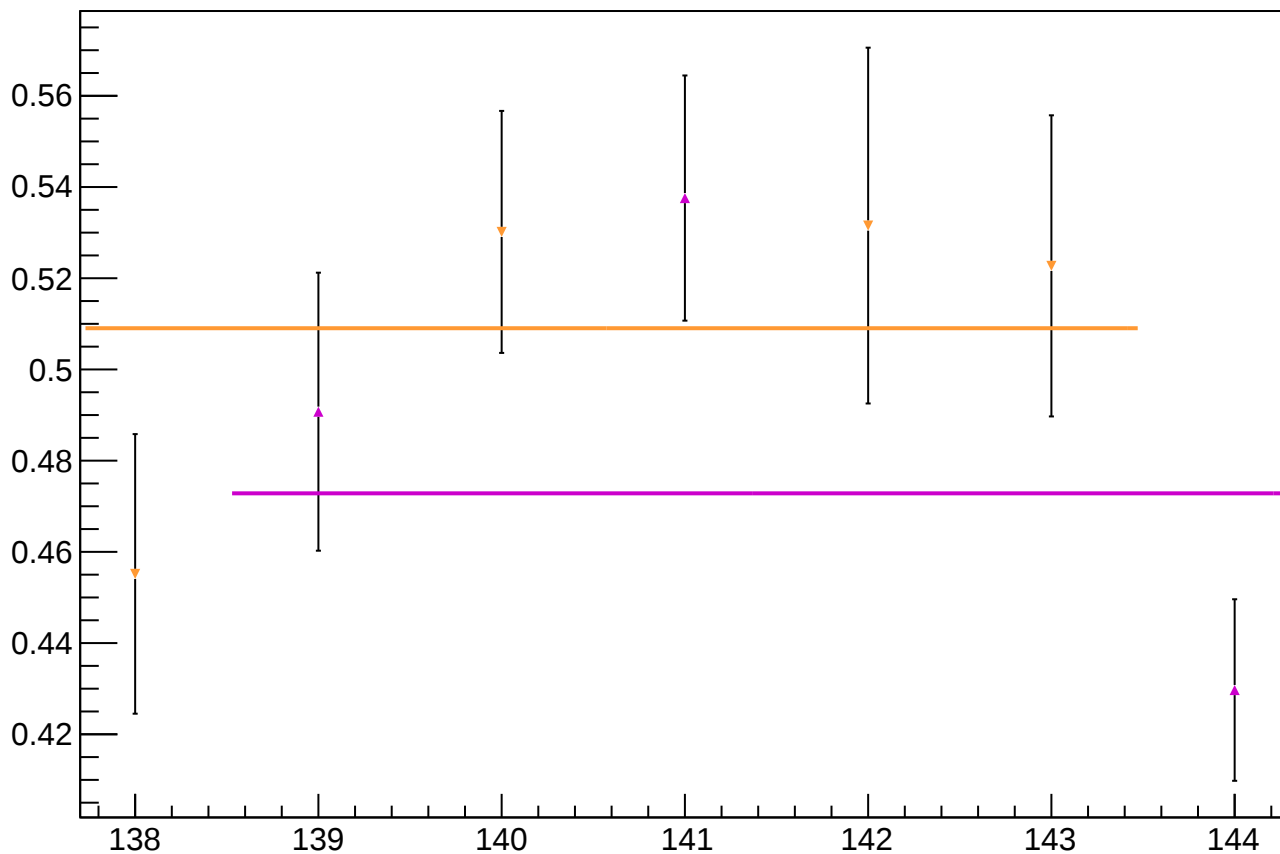
Left In: -14.046+/-0.294 χ^2/NDF : 188.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.321+/-0.218 χ^2/NDF : 516.5/6

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.509+/-0.016 χ^2/NDF : 4.2/3

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

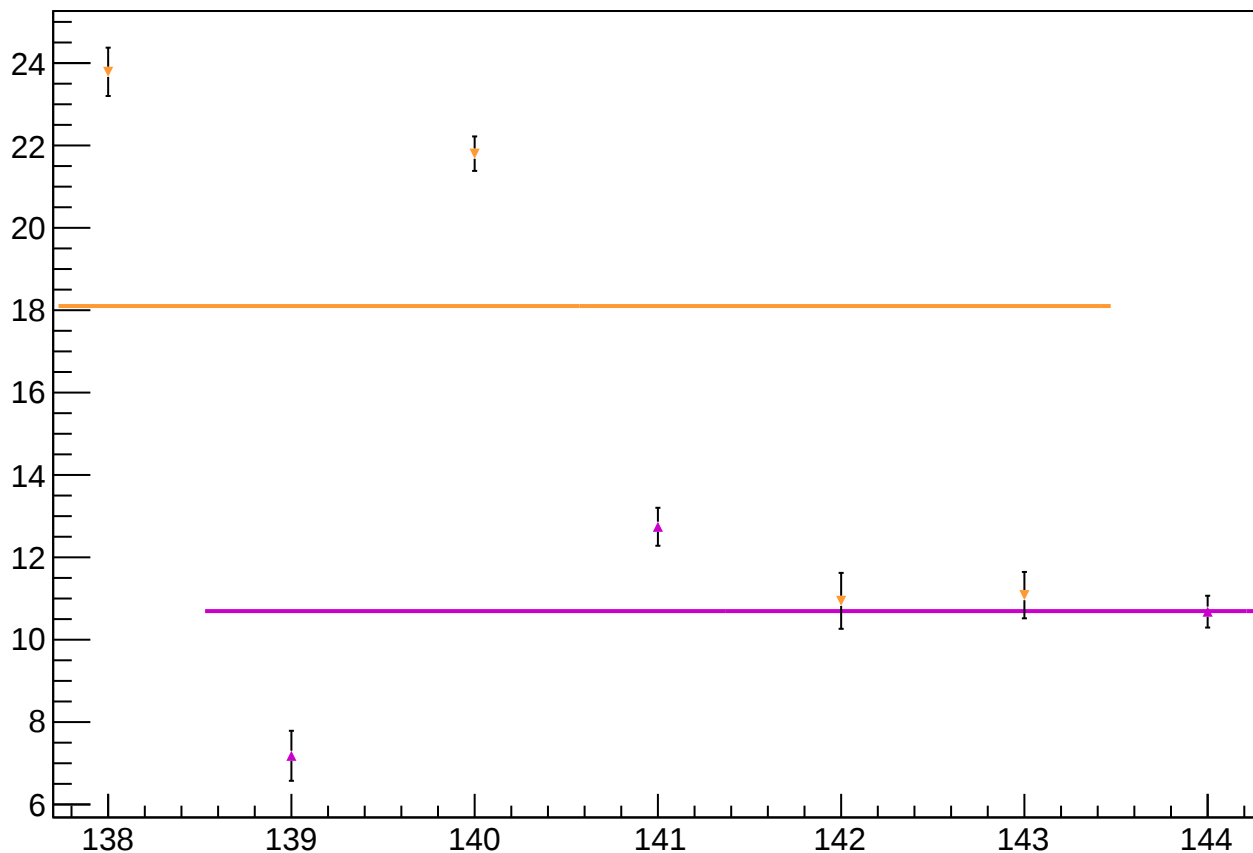
Left In: 0.473+/-0.014 χ^2/NDF : 10.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.489+/-0.011 χ^2/NDF : 18.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

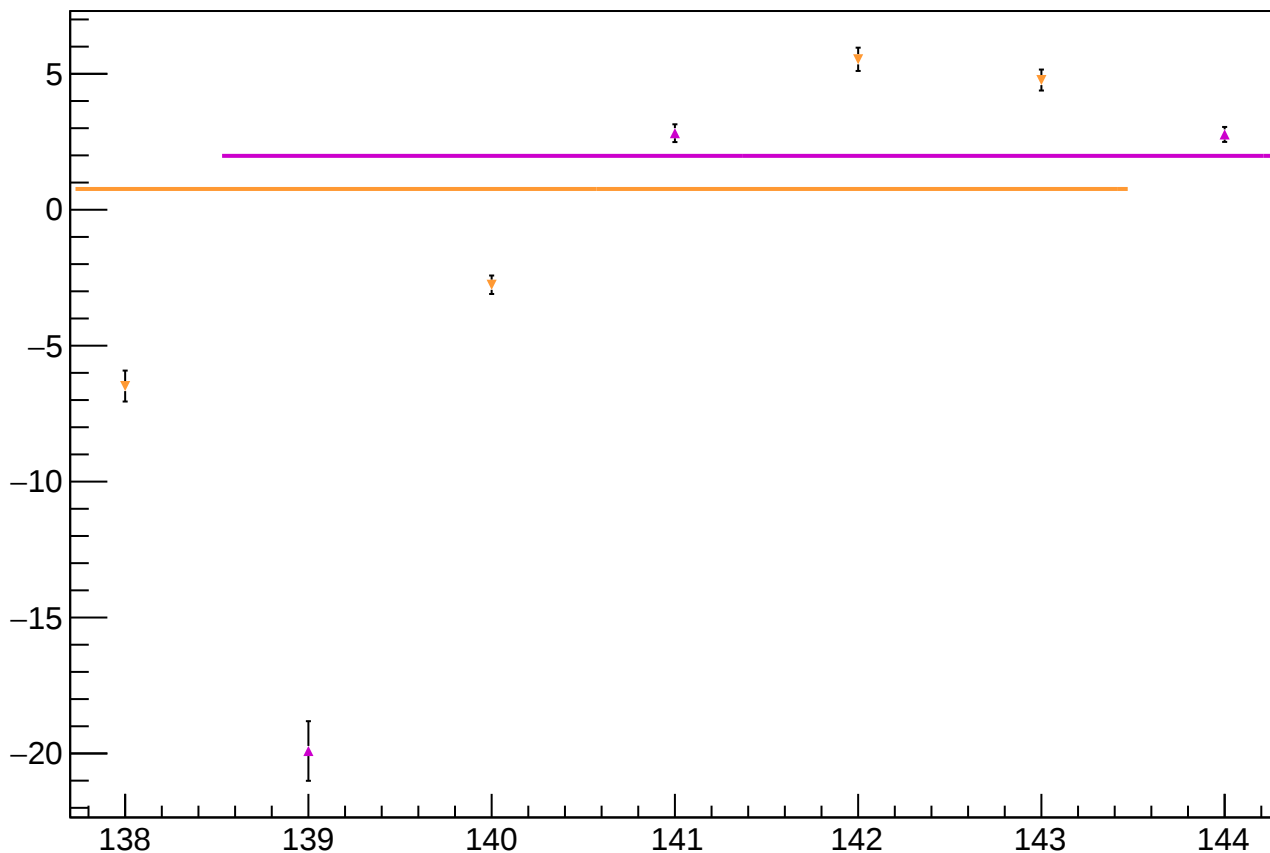
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 18.101+/-0.268 χ^2/NDF : 438.7/3
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 10.695+/-0.266 χ^2/NDF : 53.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 14.375+/-0.189 χ^2/NDF : 876.8/6
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 0.765 $\pm$ 0.204 χ^2 /NDF:501.9/3

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

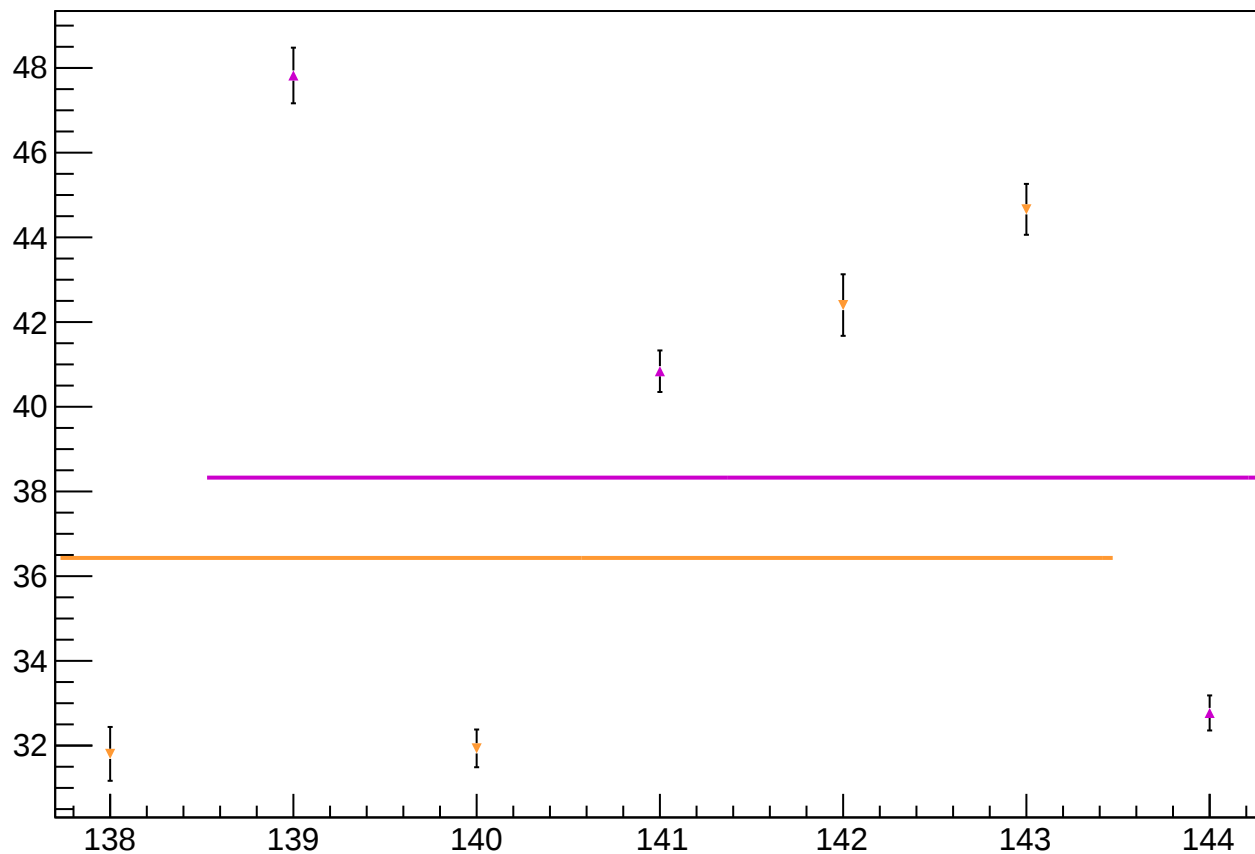
Left In: 1.982 $\pm$ 0.207 χ^2 /NDF:413.3/2

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

All: 1.367 $\pm$ 0.145 χ^2 /NDF: 932.8/6

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

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 36.430+/-0.287 χ^2/NDF : 410.1/3

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

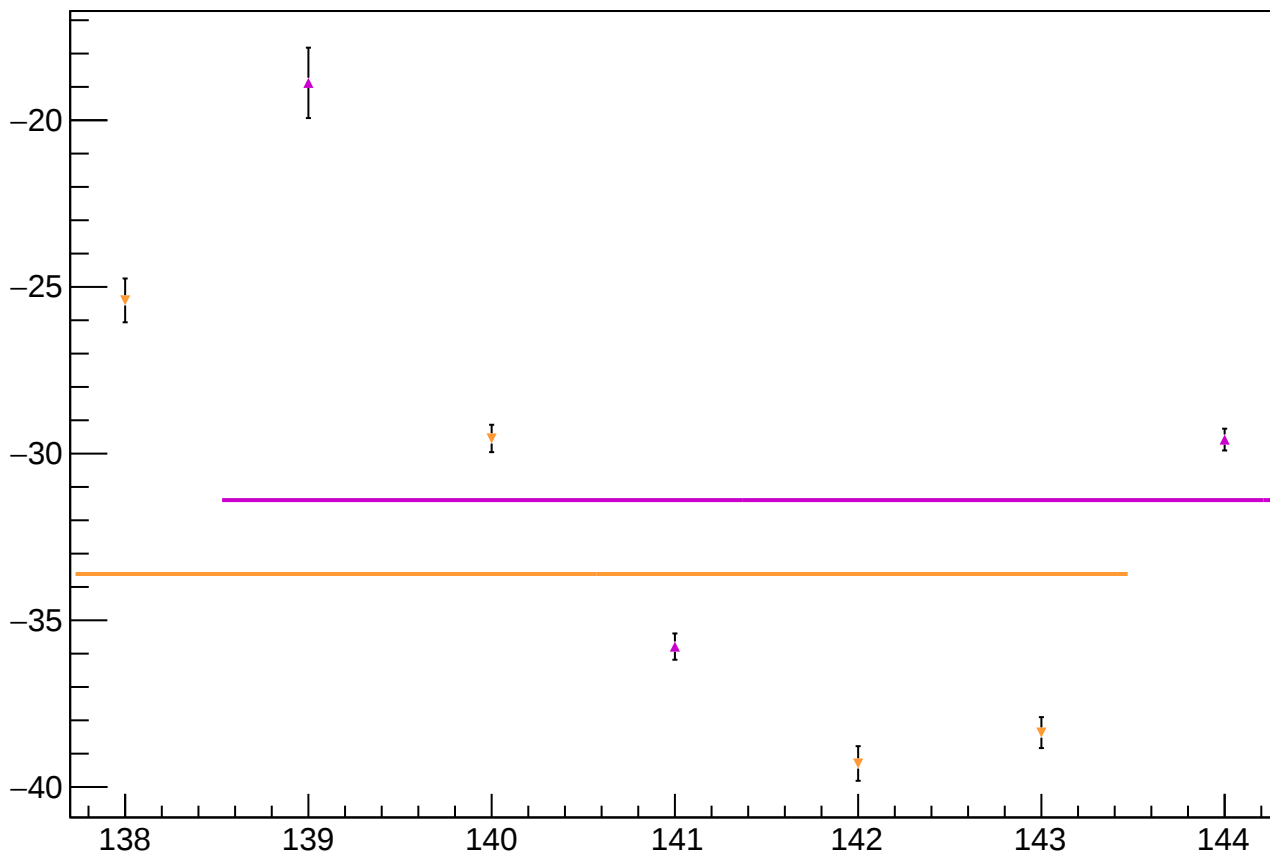
Left In: 38.327+/-0.285 χ^2/NDF : 415.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 37.384+/-0.202 χ^2/NDF : 847.7/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -33.612+/-0.245 χ^2/NDF : 478.8/3

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

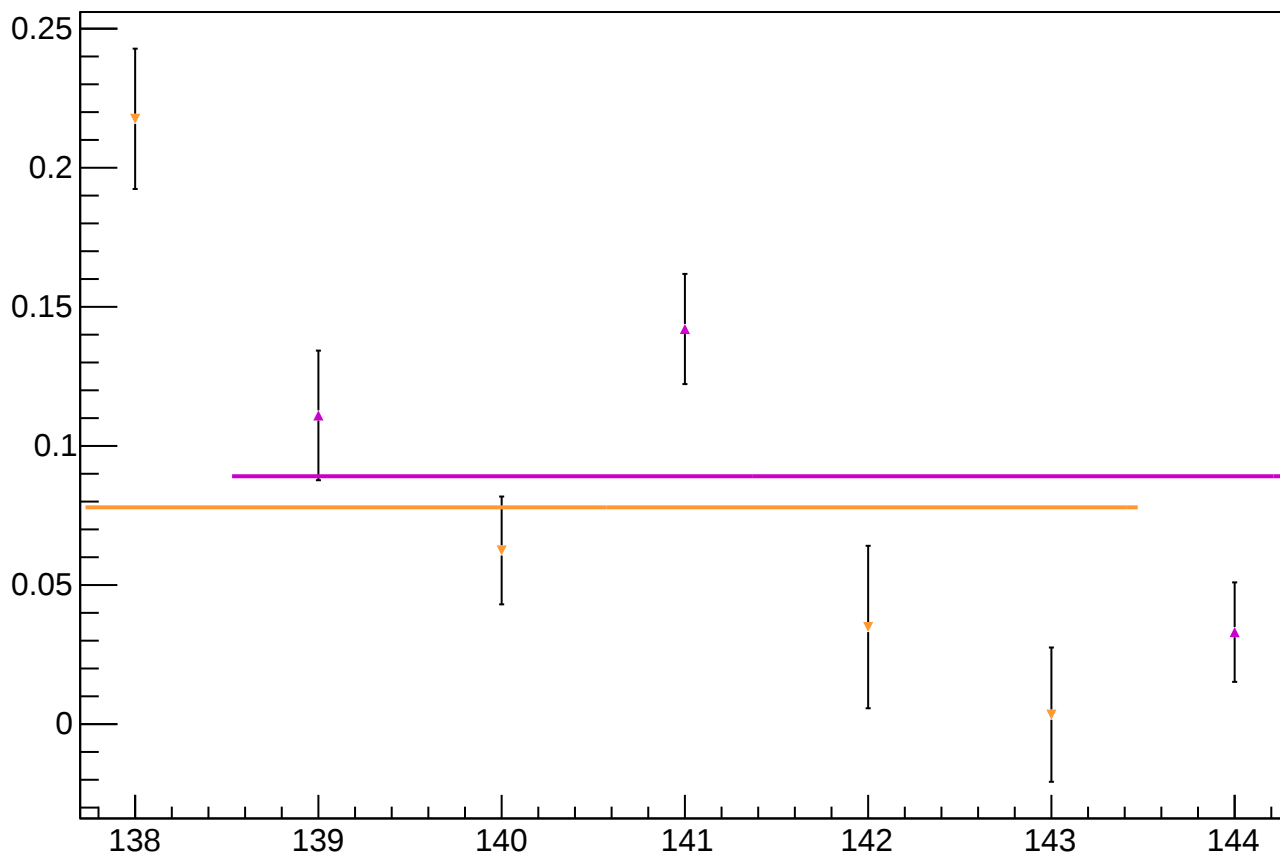
Left In: -31.394+/-0.245 χ^2/NDF : 295.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.499+/-0.173 χ^2/NDF : 815.4/6

- 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: 0.078 $\pm$ 0.012 χ^2 /NDF:43.0/3

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

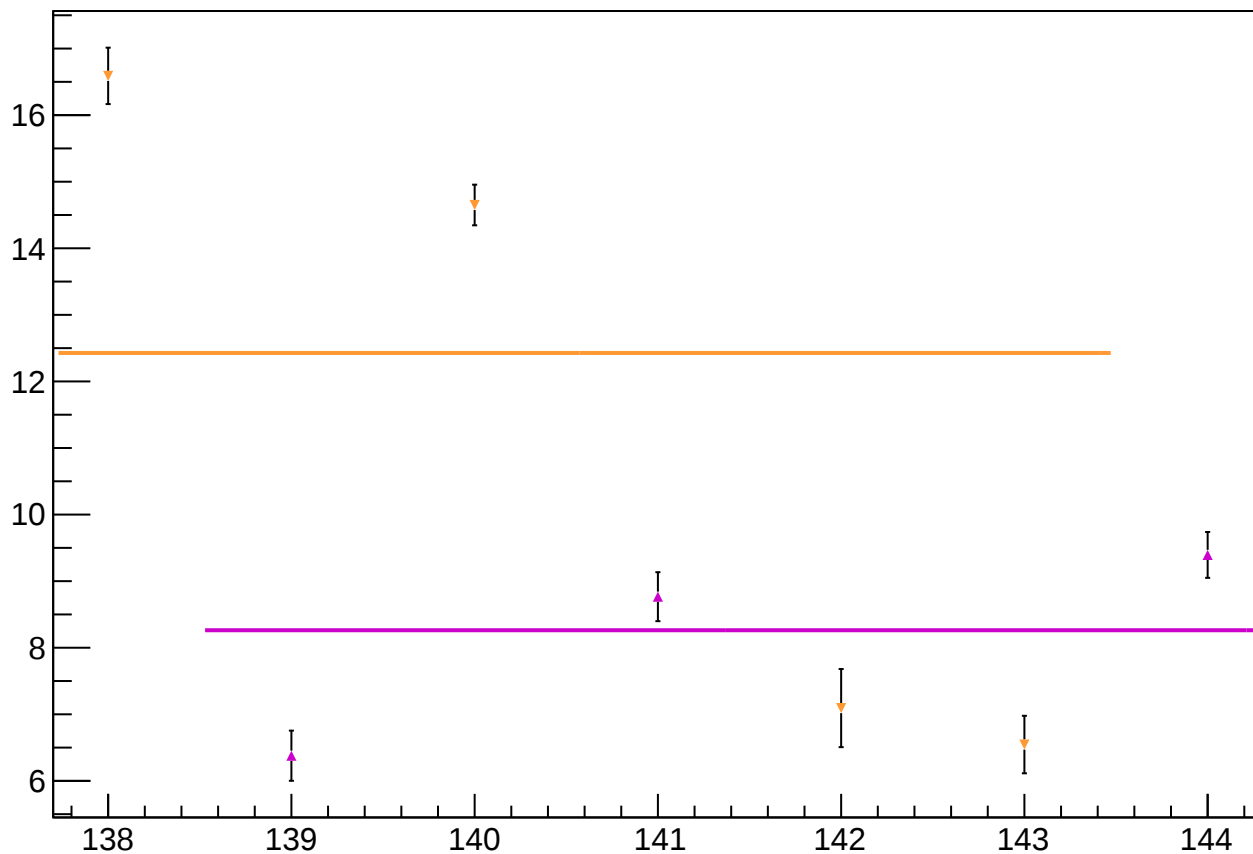
Left In: 0.089 $\pm$ 0.012 χ^2 /NDF:17.8/2

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

All: 0.084 $\pm$ 0.008 χ^2 /NDF: 61.3/6

- 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: 12.428+/-0.202 χ^2/NDF : 417.7/3

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

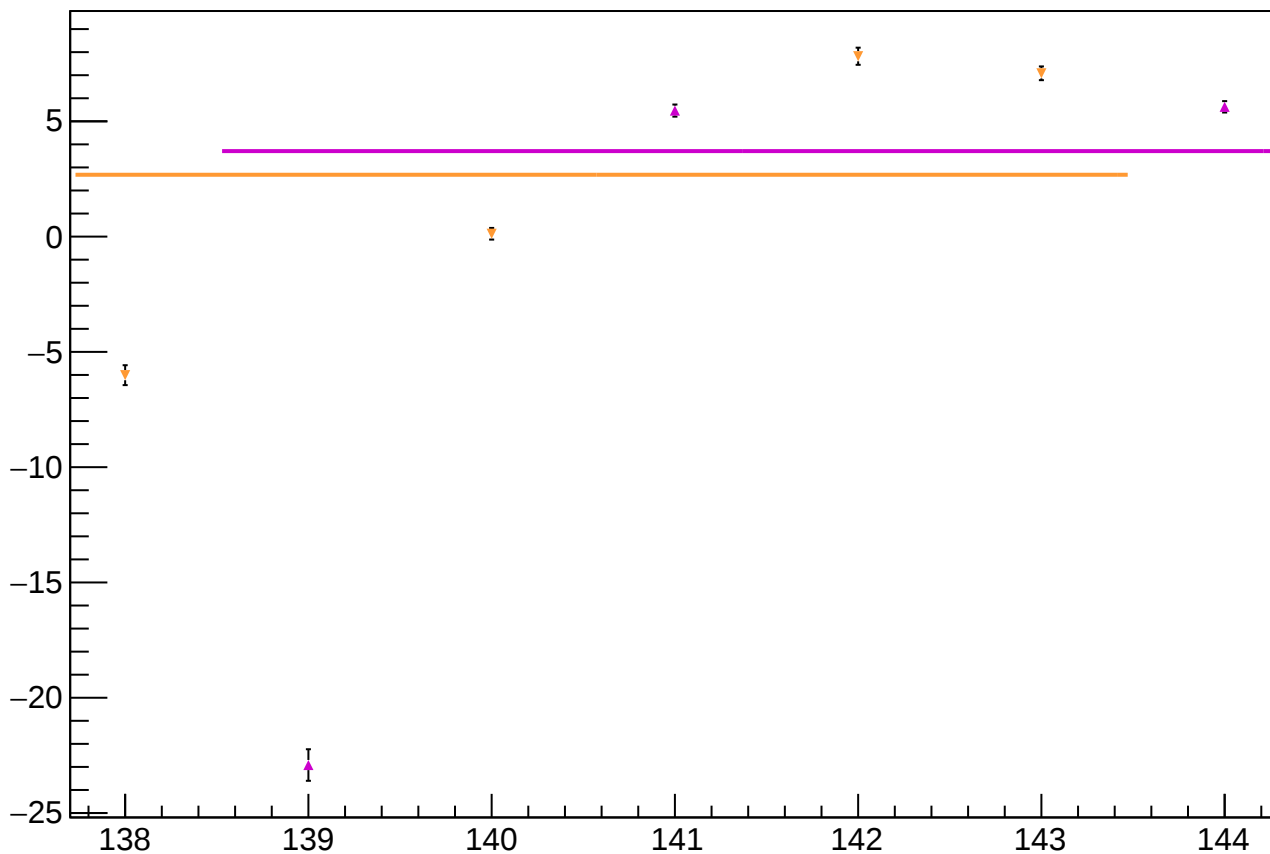
Left In: 8.263+/-0.209 χ^2/NDF : 37.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 10.420+/-0.145 χ^2/NDF : 660.8/6

- 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: 2.682 $\pm$ 0.159 χ^2 /NDF:917.4/3

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

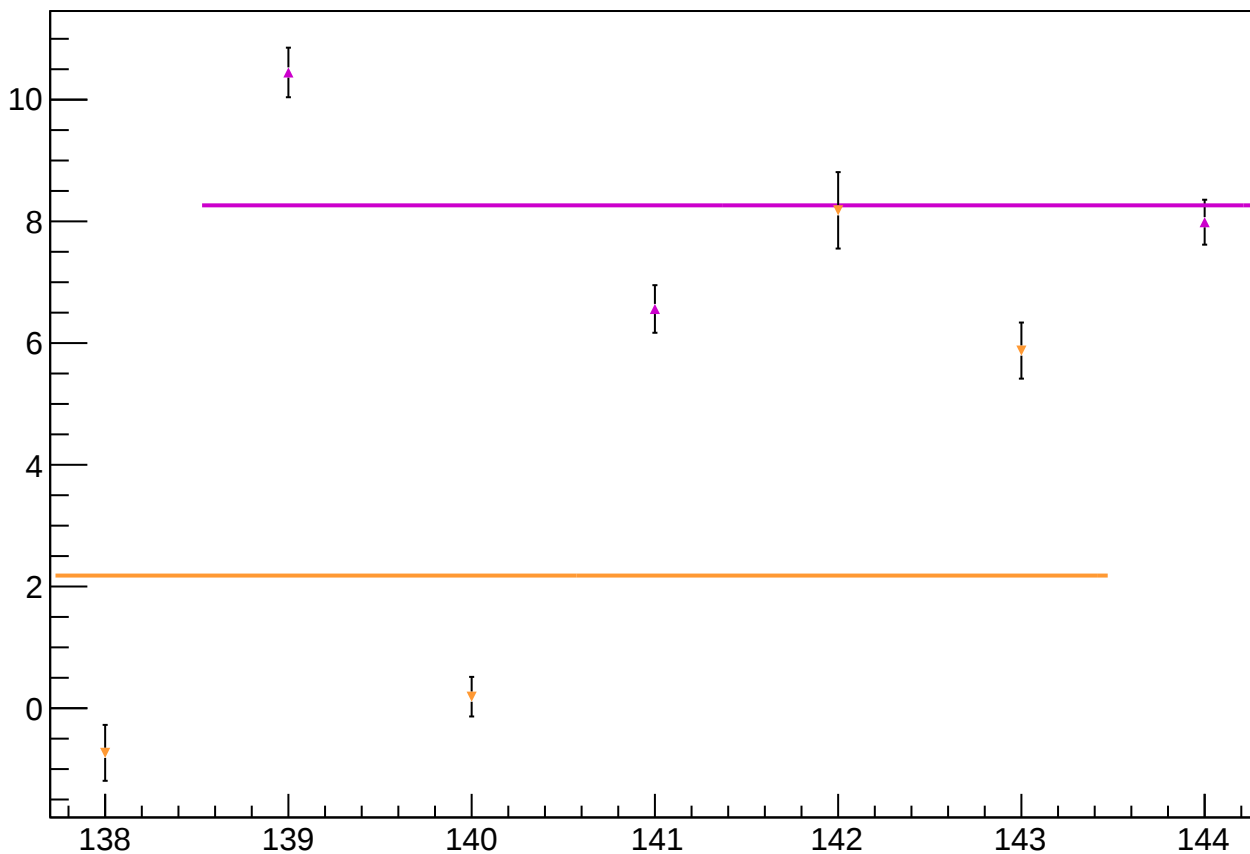
Left In: 3.708 $\pm$ 0.174 χ^2 /NDF:1618.7/2

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

All: 3.149 $\pm$ 0.117 χ^2 /NDF: 2555.0/6

- 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: 2.180+/-0.216 χ^2/NDF :233.3/3

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

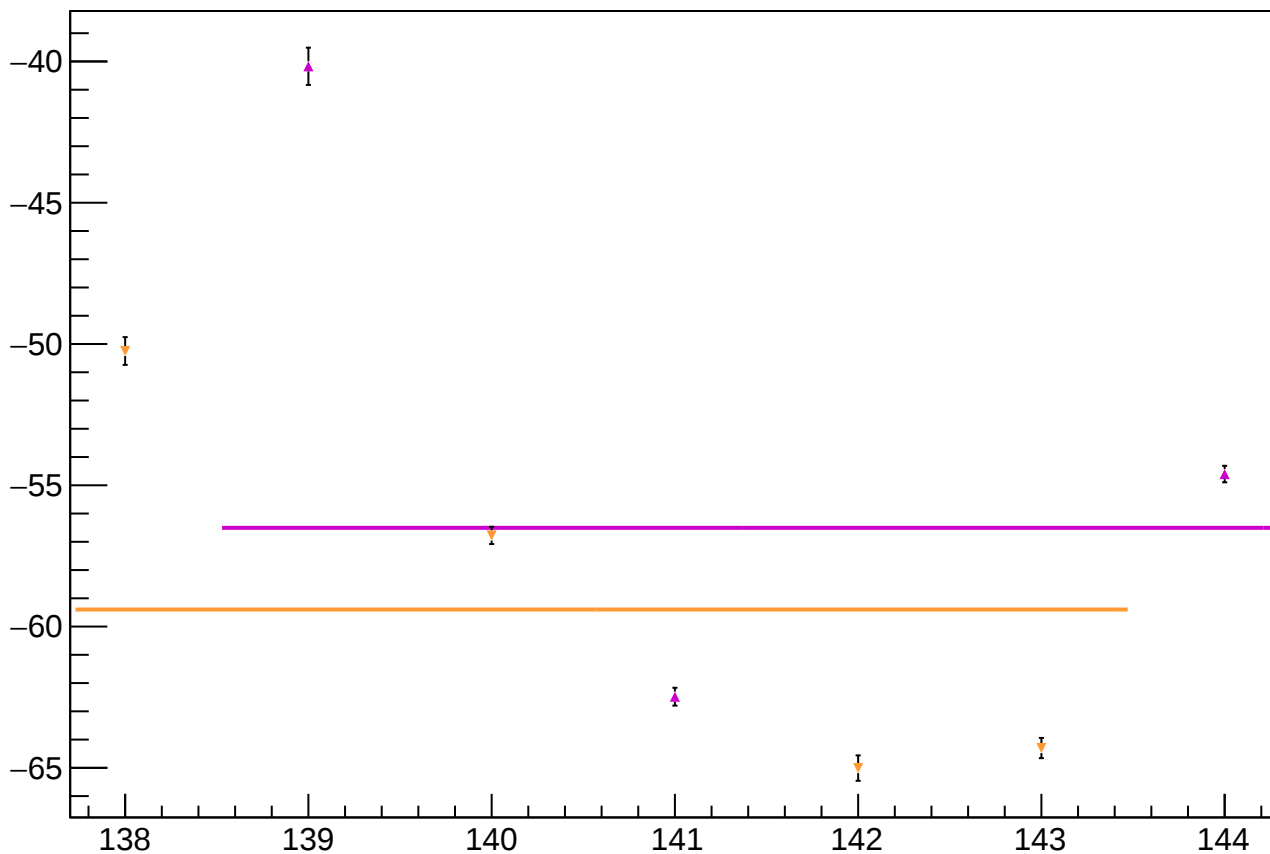
Left In: 8.263+/-0.224 χ^2/NDF :48.3/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 5.109+/-0.156 χ^2/NDF : 663.5/6

- 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: -59.397+/-0.190 χ^2/NDF : 764.0/3

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

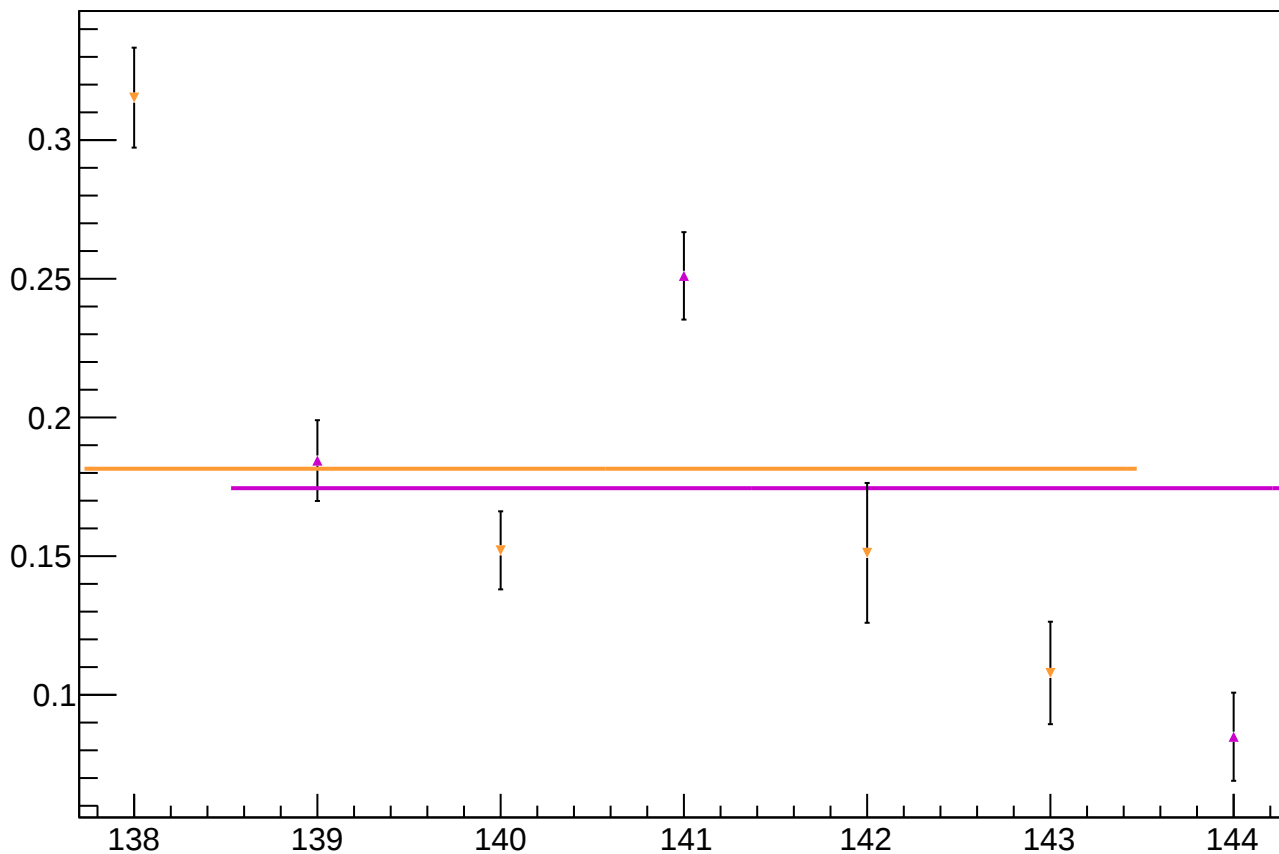
Left In: -56.506+/-0.204 χ^2/NDF : 1013.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -58.053+/-0.139 χ^2/NDF : 1885.4/6

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.182+/-0.009 χ^2/NDF : 76.8/3

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

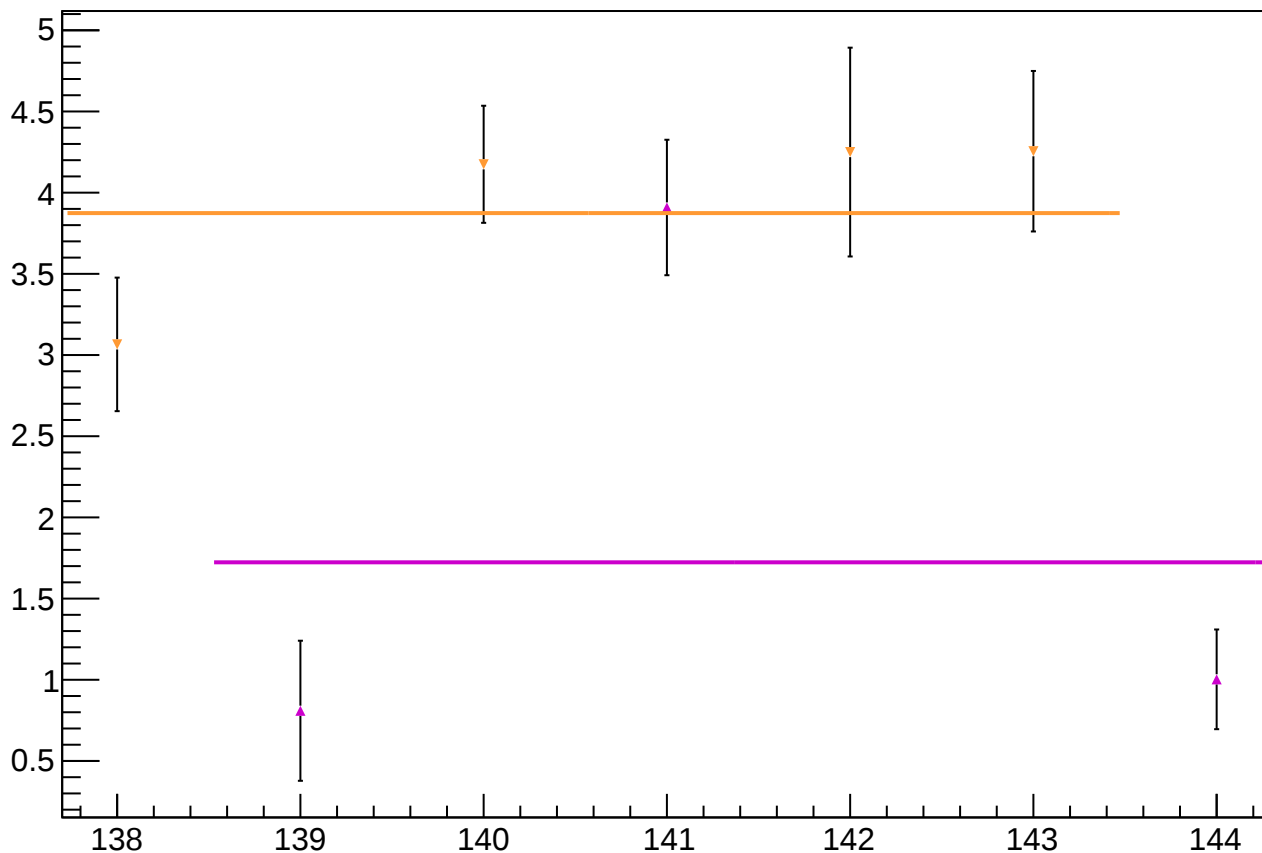
Left In: 0.175+/-0.009 χ^2/NDF : 55.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.178+/-0.006 χ^2/NDF : 133.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: 3.874 $\pm$ 0.223 χ^2 /NDF:5.5/3

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

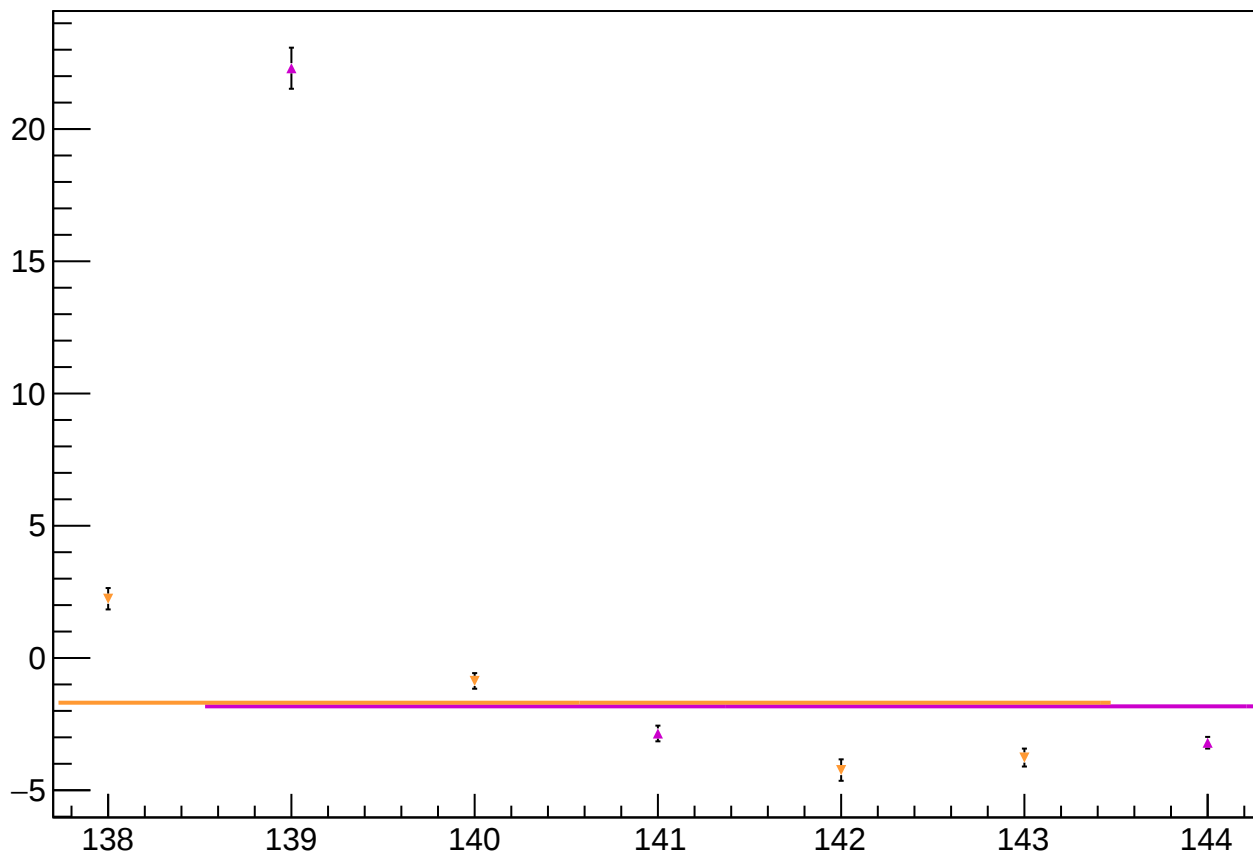
Left In: 1.723 $\pm$ 0.215 χ^2 /NDF:37.4/2

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

All: 2.757 $\pm$ 0.155 χ^2 /NDF: 91.3/6

- 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: -1.690+/-0.176 χ^2/NDF : 179.2/3

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

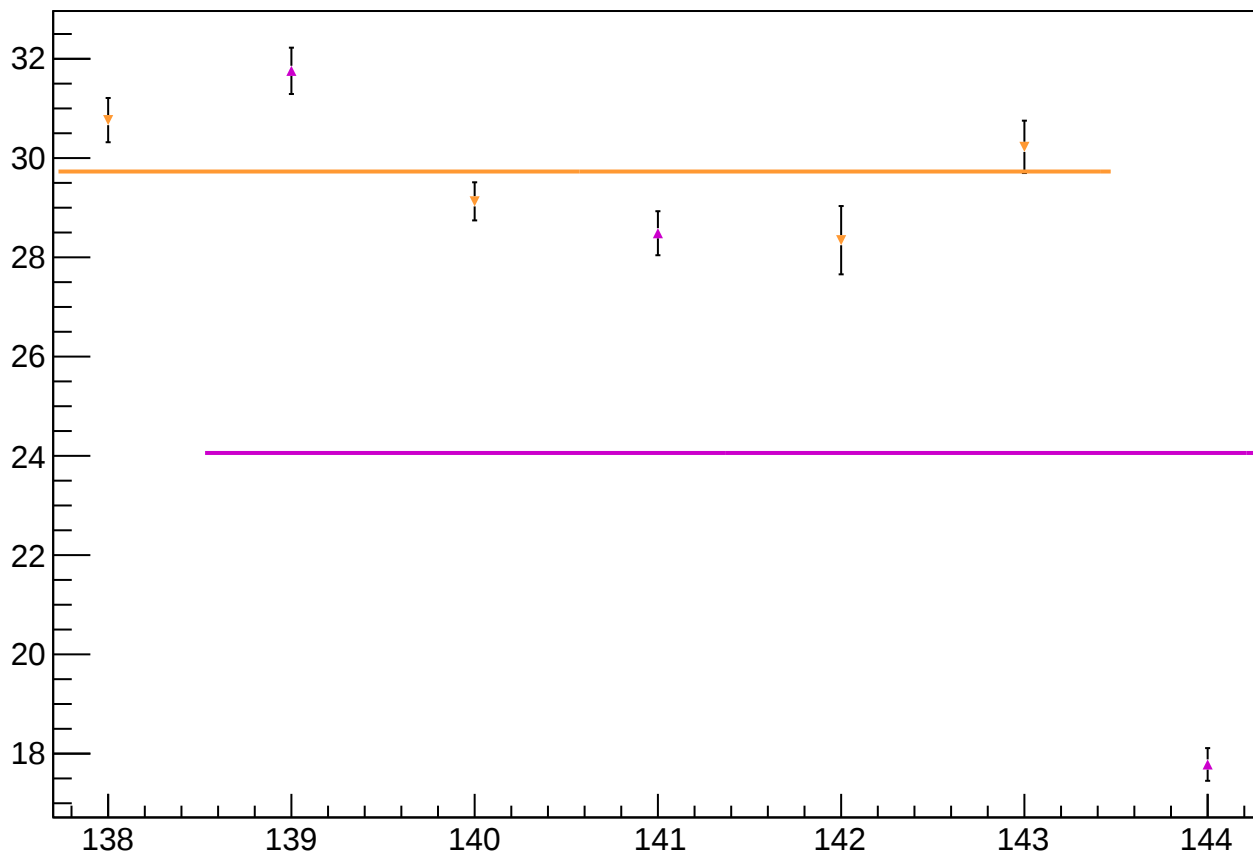
Left In: -1.828+/-0.173 χ^2/NDF : 1014.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1.760+/-0.123 χ^2/NDF : 1194.3/6

- 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 29.729 $\pm$ 0.239 χ^2 /NDF:12.8/3

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

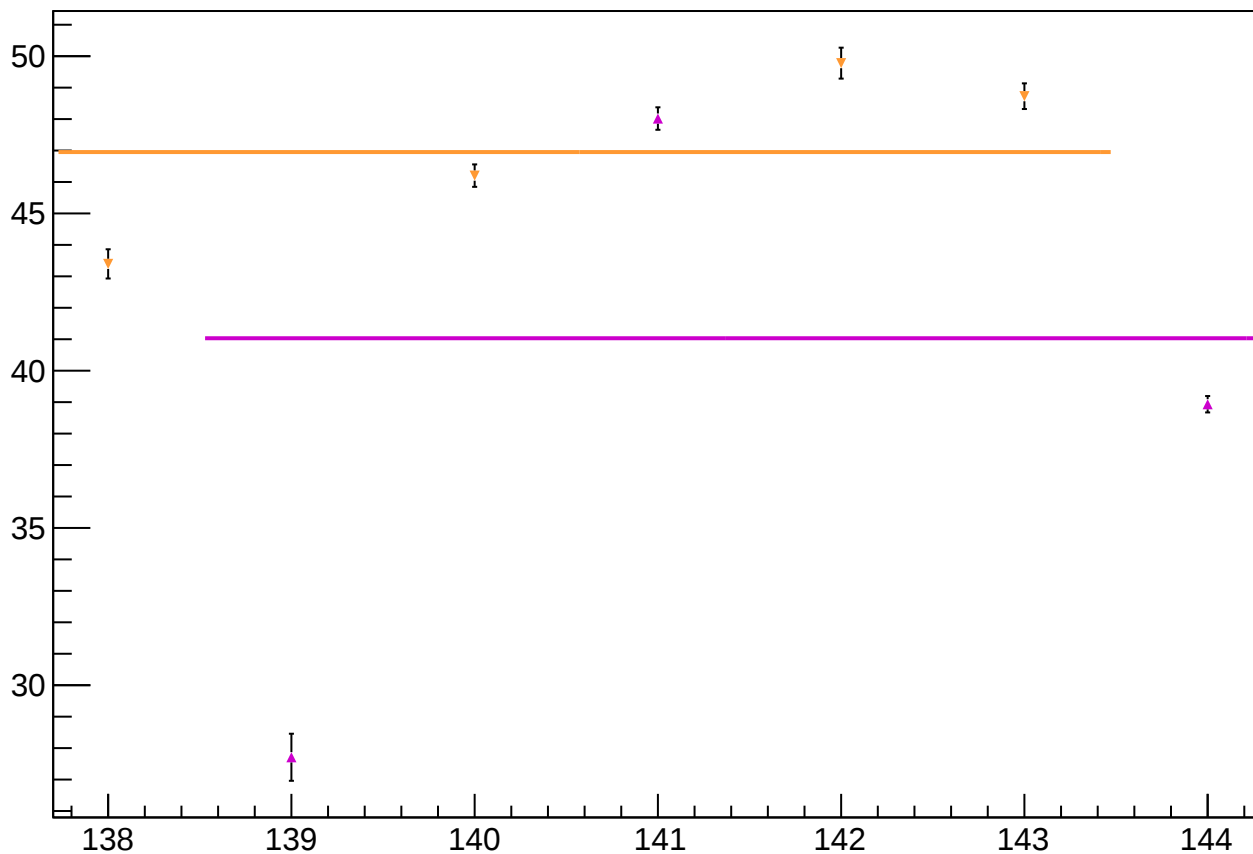
Left In: 24.058 $\pm$ 0.230 χ^2 /NDF:734.5/2

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

All: 26.787 $\pm$ 0.166 χ^2 /NDF: 1039.6/6

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

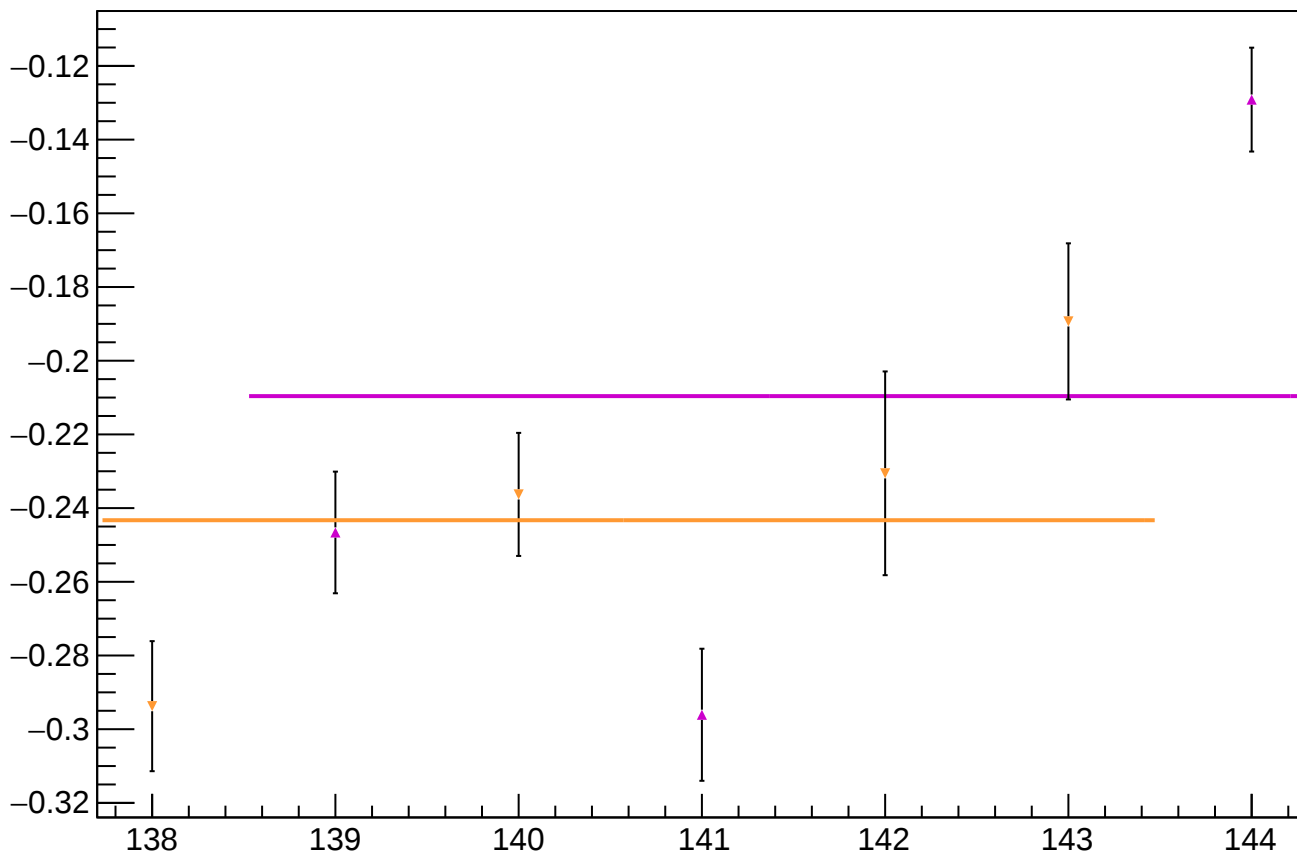
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 46.952+/-0.210 χ^2/NDF :114.9/3
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 41.032+/-0.203 χ^2/NDF :763.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 43.885+/-0.146 χ^2/NDF : 1289.1/6
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.243+/-0.010 χ^2/NDF : 15.1/3

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

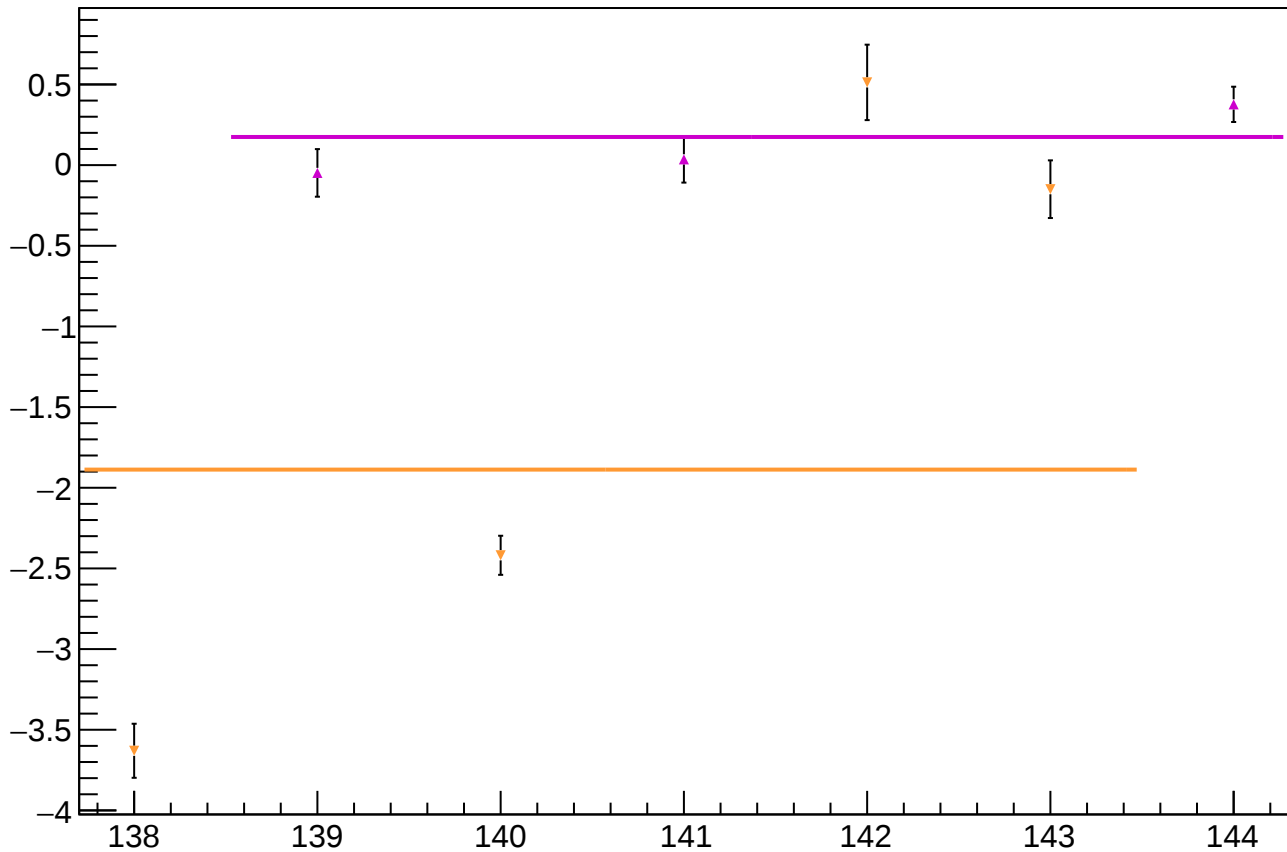
Left In: -0.210+/-0.009 χ^2/NDF : 60.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.225+/-0.007 χ^2/NDF : 82.2/6

- 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: -1.887+/-0.081 χ^2/NDF : 327.4/3

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

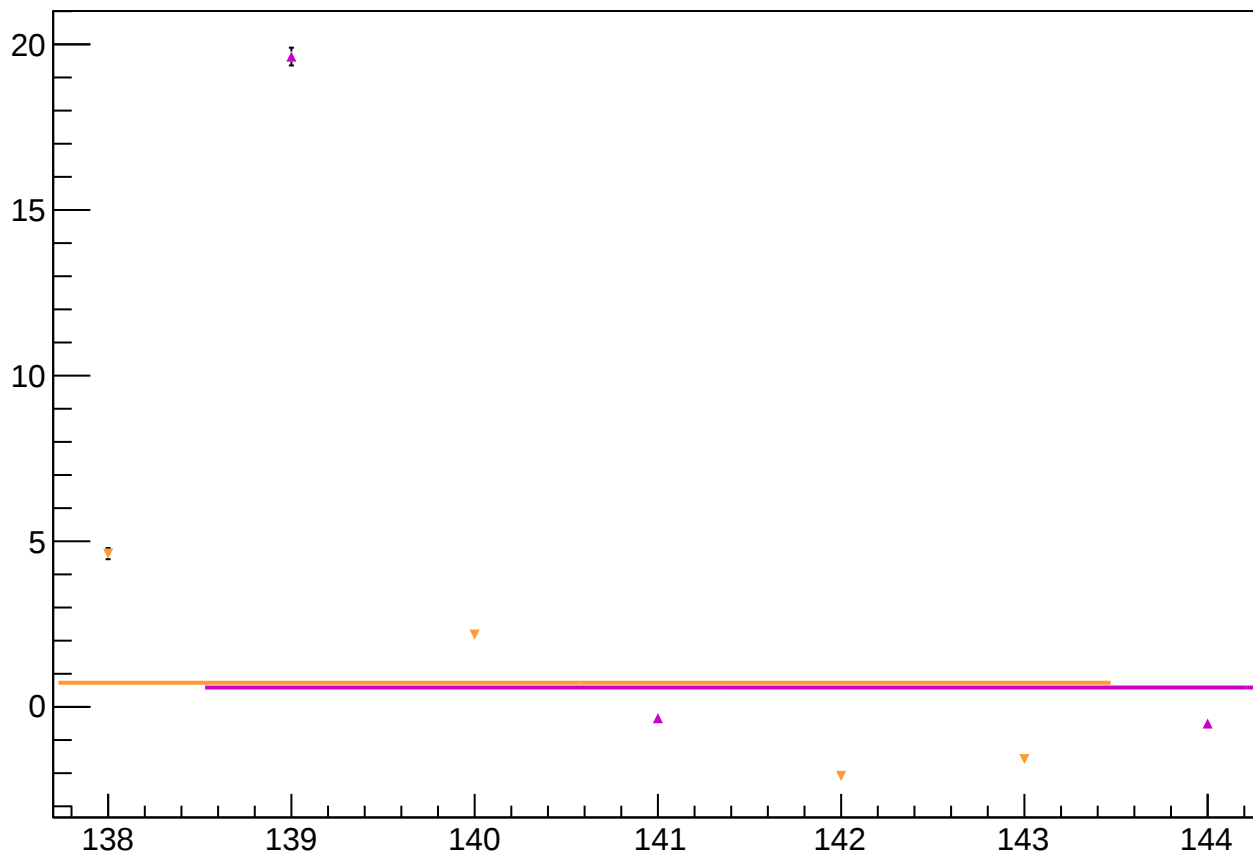
Left In: 0.174+/-0.075 χ^2/NDF : 6.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.781+/-0.055 χ^2/NDF : 684.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

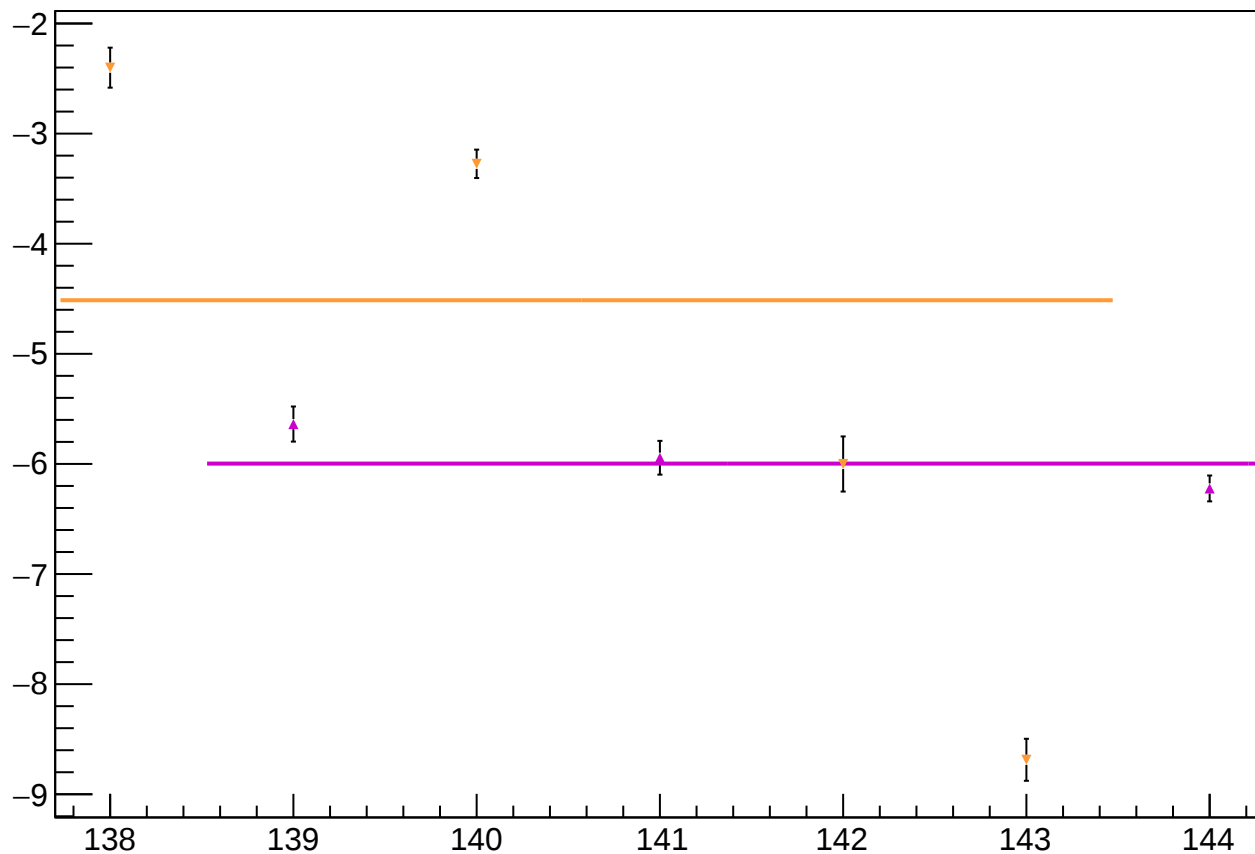
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.730+/-0.064 χ^2/NDF :1454.3/3
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.585+/-0.061 χ^2/NDF :5284.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.654+/-0.044 χ^2/NDF : 6741.1/6
 - 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -4.513+/-0.086 χ^2/NDF : 741.4/3

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

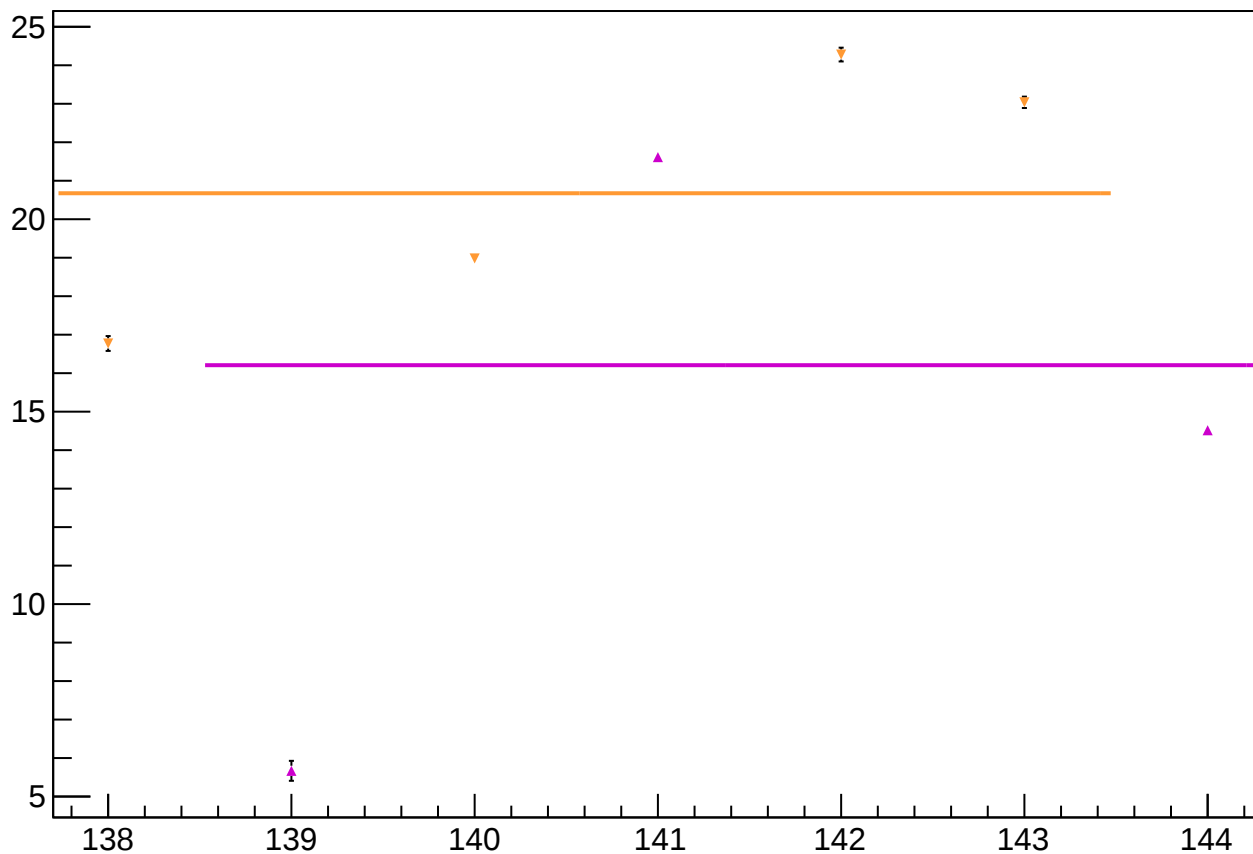
Left In: -5.997+/-0.080 χ^2/NDF : 8.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -5.308+/-0.059 χ^2/NDF : 908.2/6

- sign 0.000+/-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: 20.675+/-0.076 χ^2/NDF :1265.4/3

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

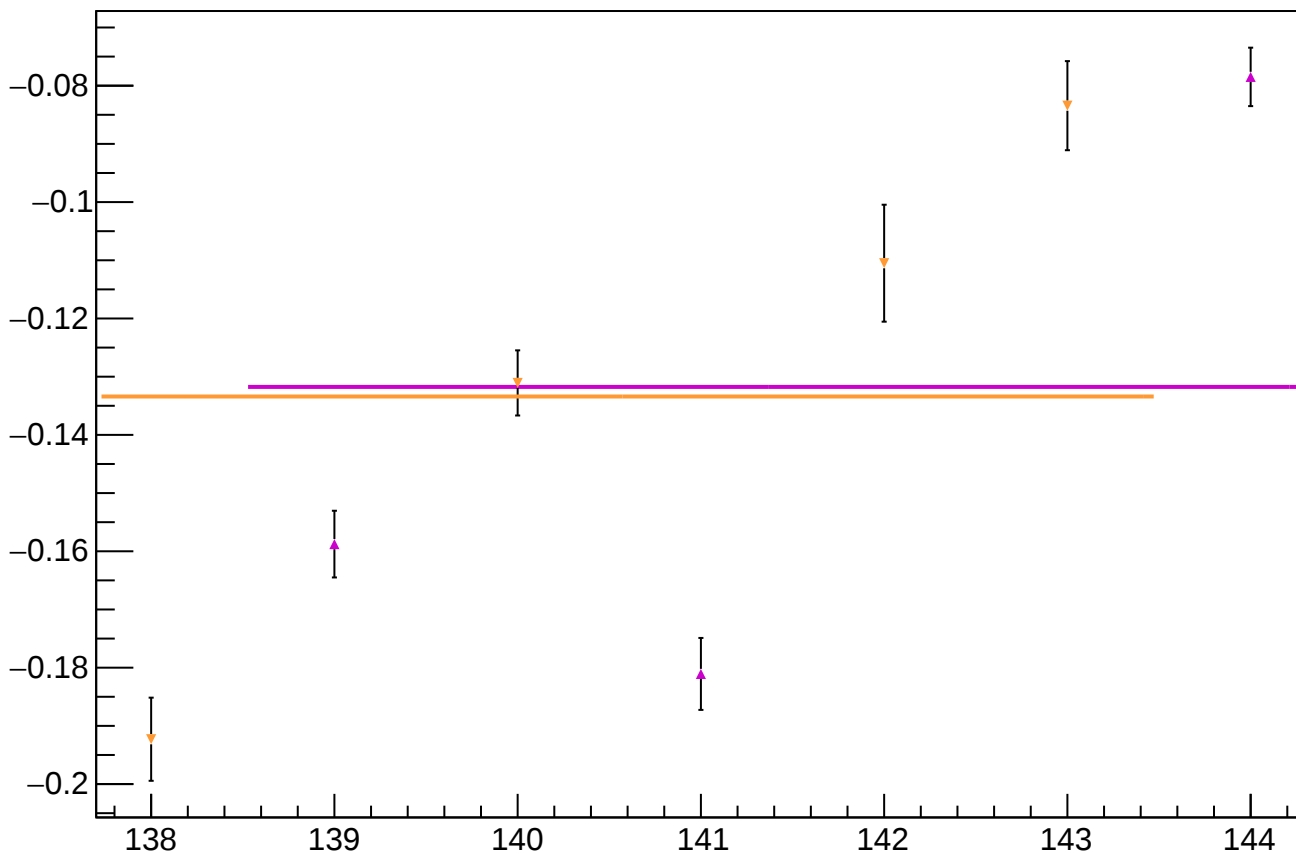
Left In: 16.207+/-0.071 χ^2/NDF :3890.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 18.296+/-0.052 χ^2/NDF : 6986.5/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

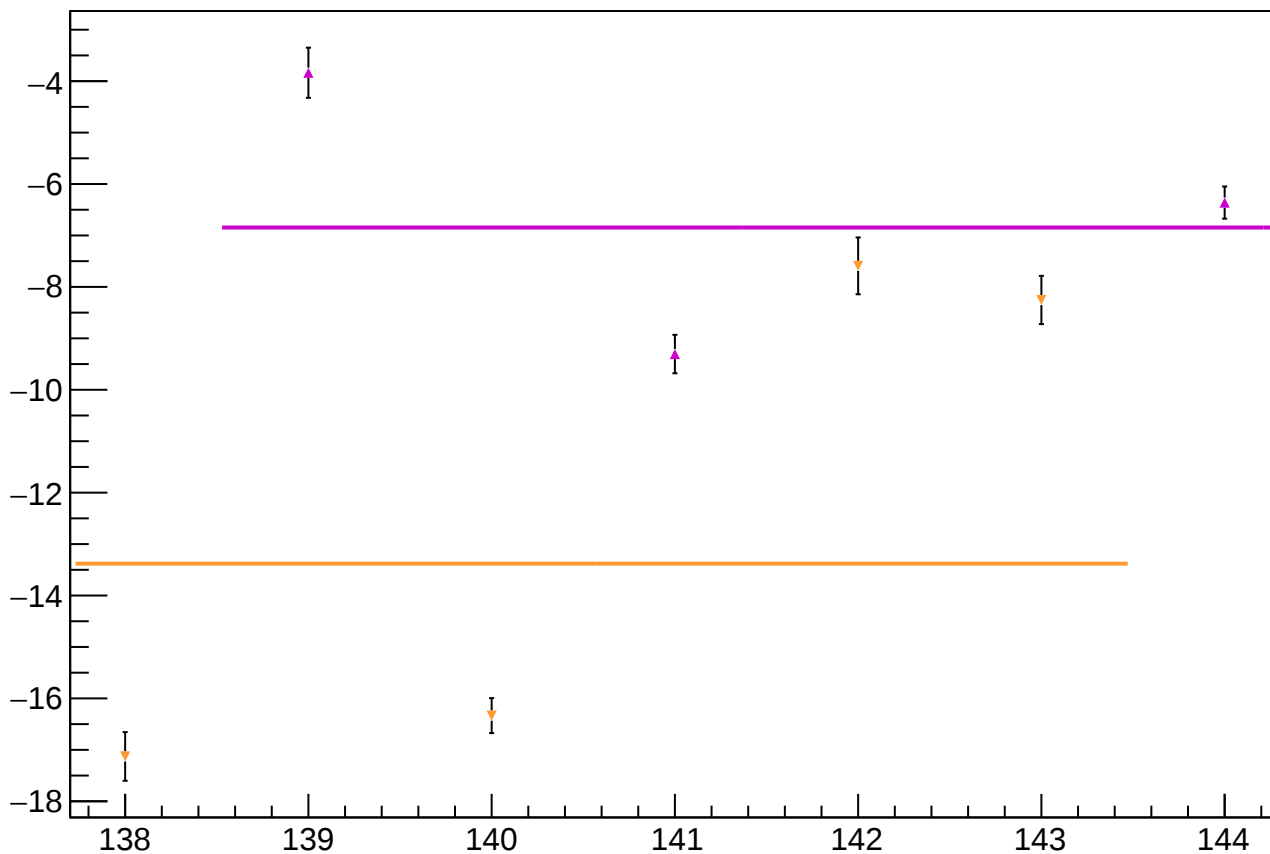
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.133+/-0.004 χ^2/NDF :116.0/3
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.132+/-0.003 χ^2/NDF :198.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -0.132+/-0.002 χ^2/NDF : 314.5/6
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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

Left Out: -13.381+/-0.219 χ^2/NDF : 367.3/3

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

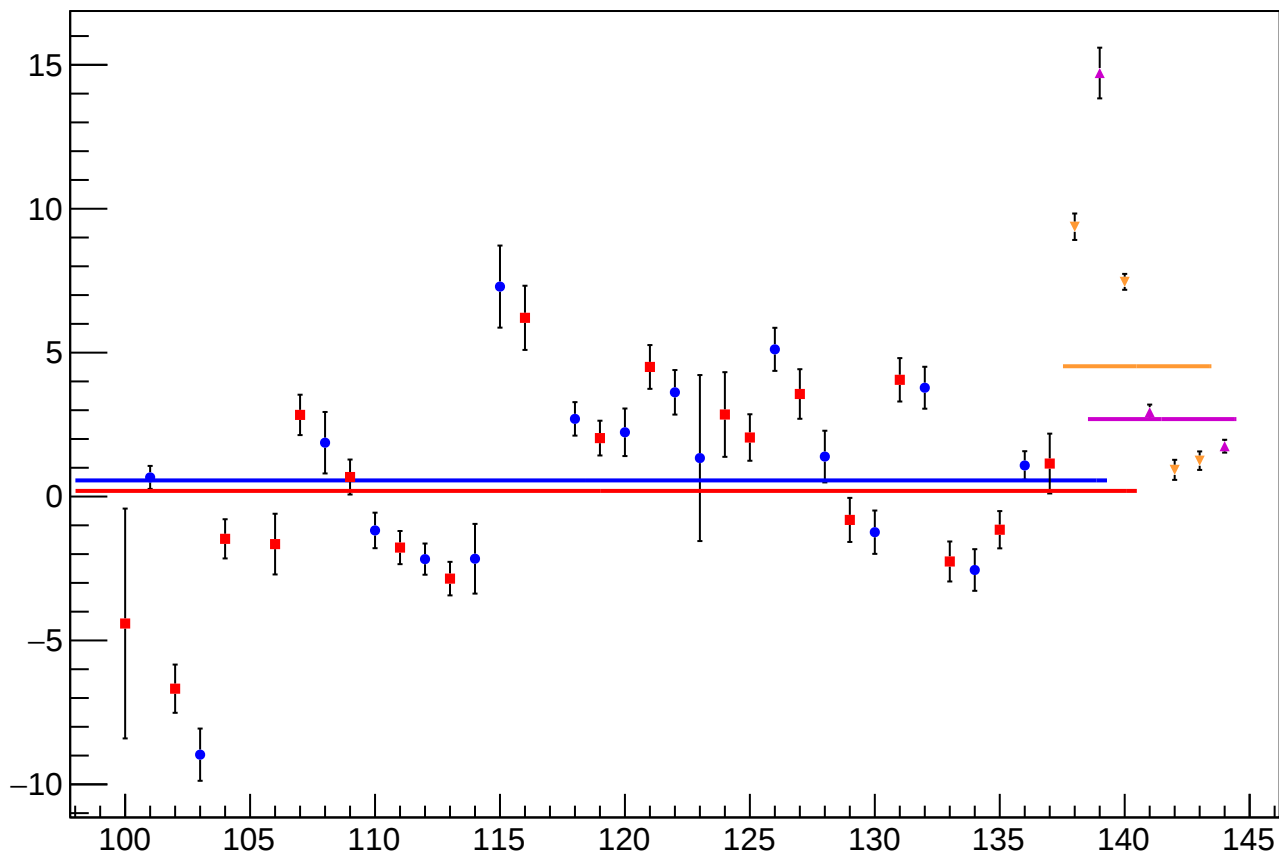
Left In: -6.845+/-0.215 χ^2/NDF : 83.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -10.063+/-0.153 χ^2/NDF : 904.7/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.561 $\pm$ 0.170 χ^2/NDF : 288.7/16

Left Out: 4.527 $\pm$ 0.167 χ^2/NDF : 434.9/3

Right Out: 0.196 $\pm$ 0.175 χ^2/NDF : 271.2/18

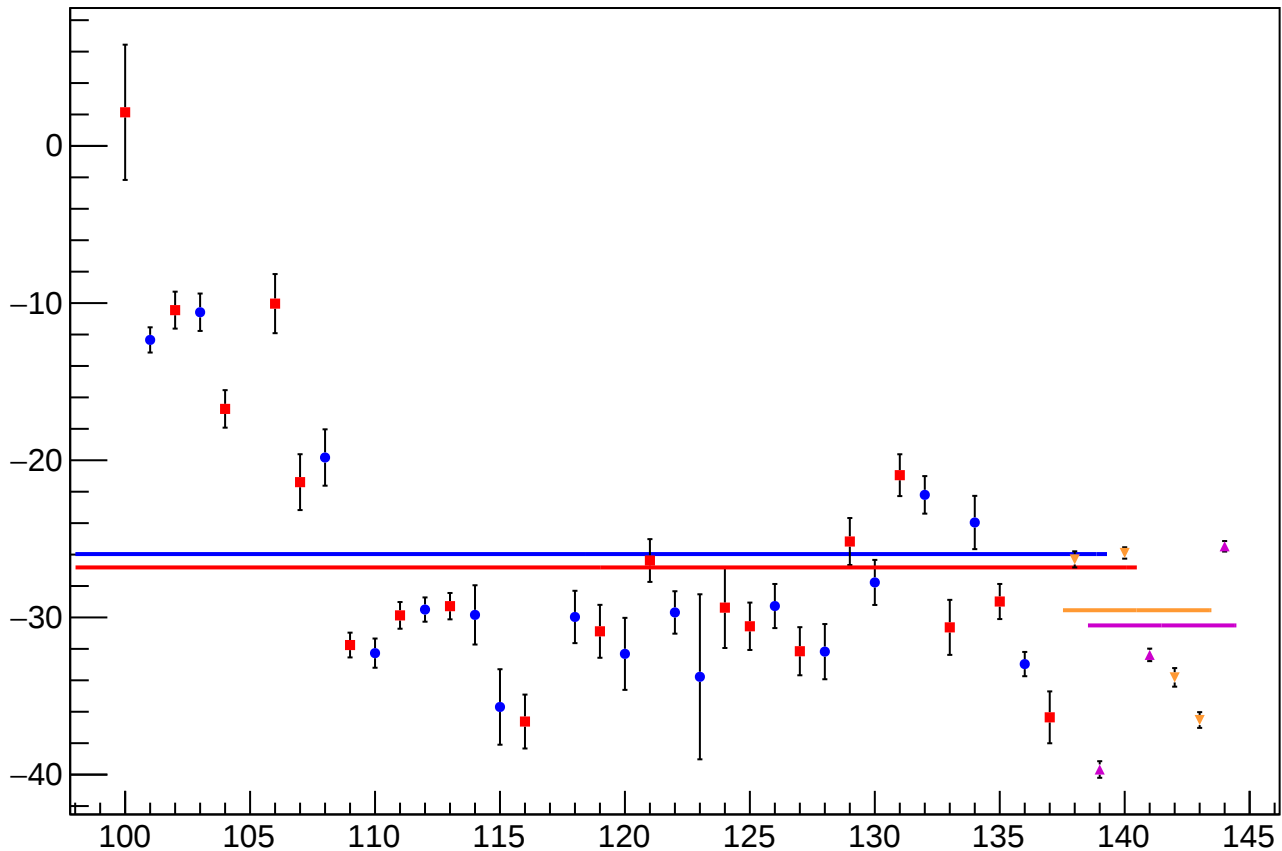
Left In: 2.691 $\pm$ 0.168 χ^2/NDF : 204.8/2

+ sign 2.582 $\pm$ 0.119 χ^2/NDF : 999.5/20

All: 2.046 $\pm$ 0.085 χ^2/NDF : 1622.3/42

- sign 1.496 $\pm$ 0.121 χ^2/NDF : 582.0/21

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.968 ± 0.301 χ^2/NDF : 691.1/16

Left Out: -29.542 ± 0.234 χ^2/NDF : 388.0/3

Right Out: -26.818 ± 0.298 χ^2/NDF : 580.9/18

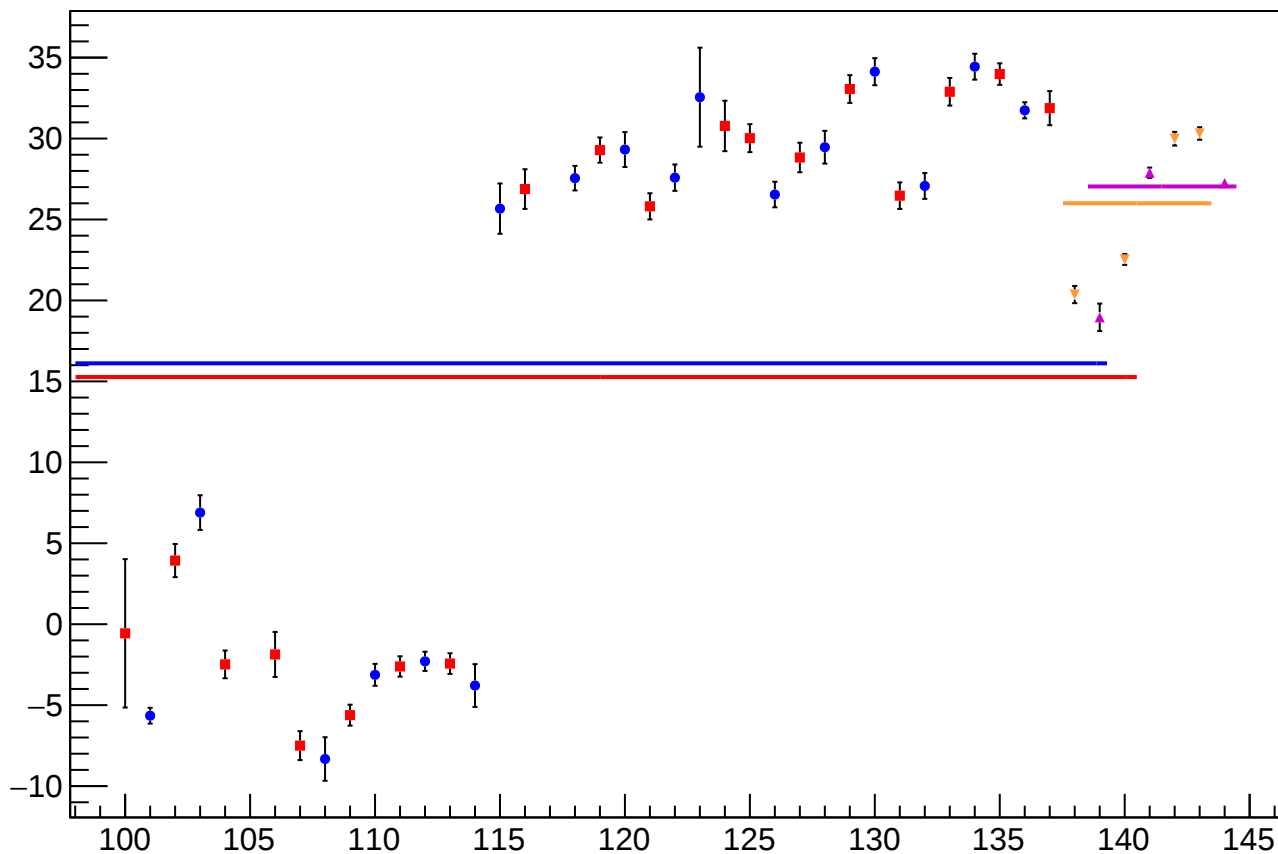
Left In: -30.508 ± 0.231 χ^2/NDF : 549.4/2

+ sign -28.196 ± 0.185 χ^2/NDF : 1167.0/20

All: -28.667 ± 0.130 χ^2/NDF : 2406.0/42

- sign -29.126 ± 0.182 χ^2/NDF : 1226.1/21

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.115 $\pm$ 0.192 χ^2 /NDF: 7542.1/16

Left Out: 26.001 $\pm$ 0.201 χ^2 /NDF:434.1/3

Right Out: 15.269 $\pm$ 0.197 χ^2 /NDF: 7261.7/18

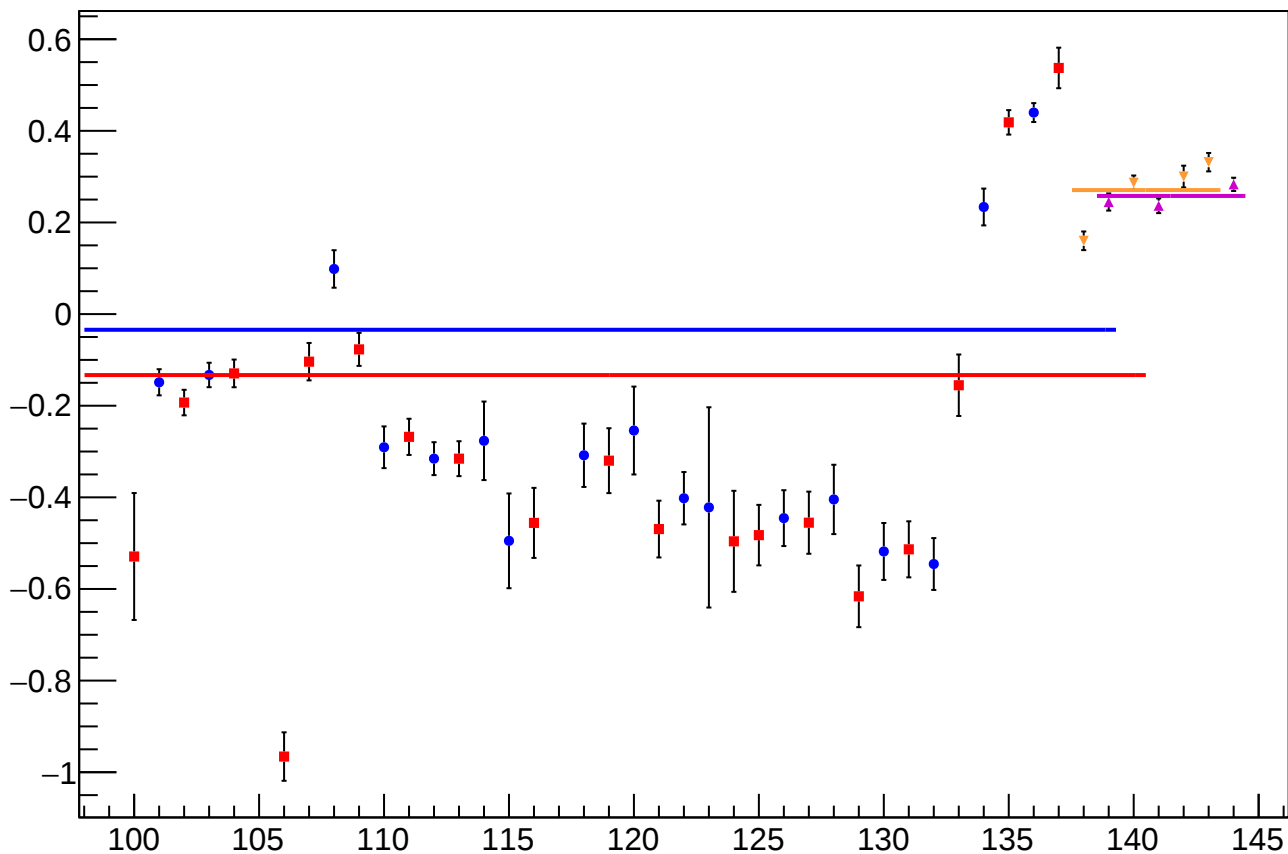
Left In: 27.040 $\pm$ 0.198 χ^2 /NDF:98.4/2

+ sign 20.847 $\pm$ 0.139 χ^2 /NDF: 9240.1/20

All: 20.987 $\pm$ 0.099 χ^2 /NDF: 18373.3/42

- sign 21.129 $\pm$ 0.140 χ^2 /NDF: 9131.2/21

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.034+/-0.010 χ^2/NDF : 1011.4/16

Left Out: 0.271+/-0.010 χ^2/NDF : 41.4/3

Right Out: -0.133+/-0.010 χ^2/NDF : 1160.4/18

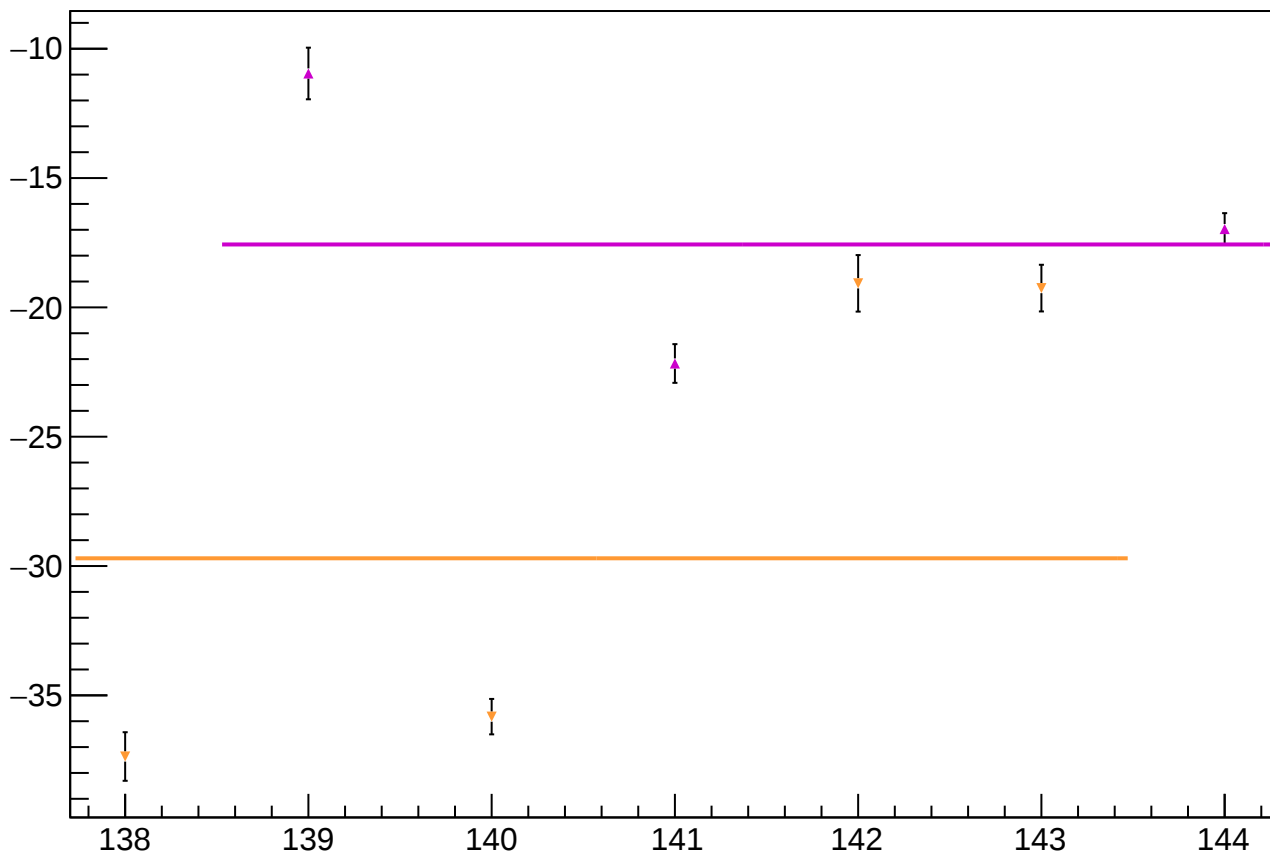
Left In: 0.258+/-0.009 χ^2/NDF : 5.3/2

+ sign 0.128+/-0.007 χ^2/NDF : 1516.7/20

All: 0.106+/-0.005 χ^2/NDF : 3488.4/42

- sign 0.083+/-0.007 χ^2/NDF : 1951.1/21

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -29.701+/-0.433 χ^2/NDF : 375.2/3

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

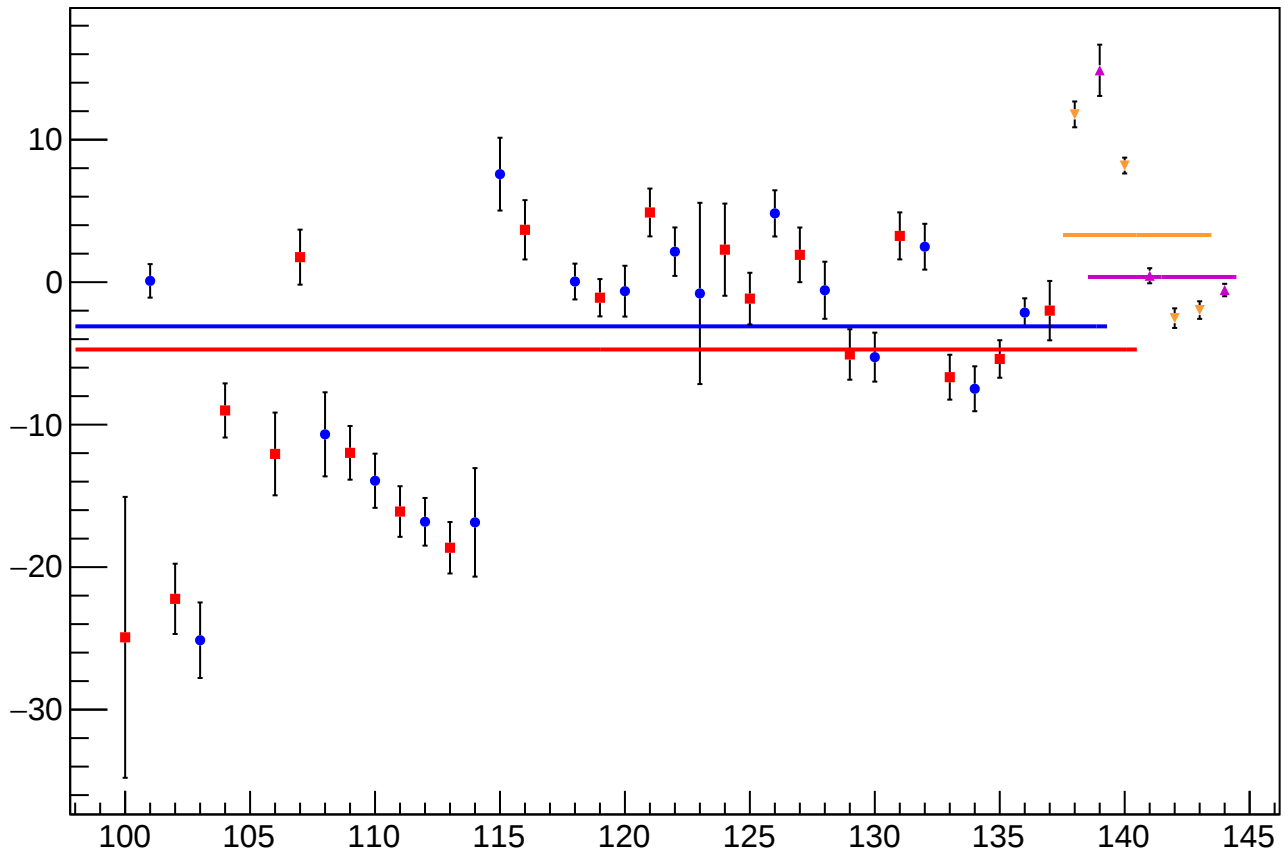
Left In: -17.567+/-0.429 χ^2/NDF : 82.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -23.572+/-0.305 χ^2/NDF : 854.3/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.101 ± 0.412 χ^2/NDF : 278.9/16

Left Out: 3.308 ± 0.330 χ^2/NDF : 308.9/3

Right Out: -4.725 ± 0.427 χ^2/NDF : 296.8/18

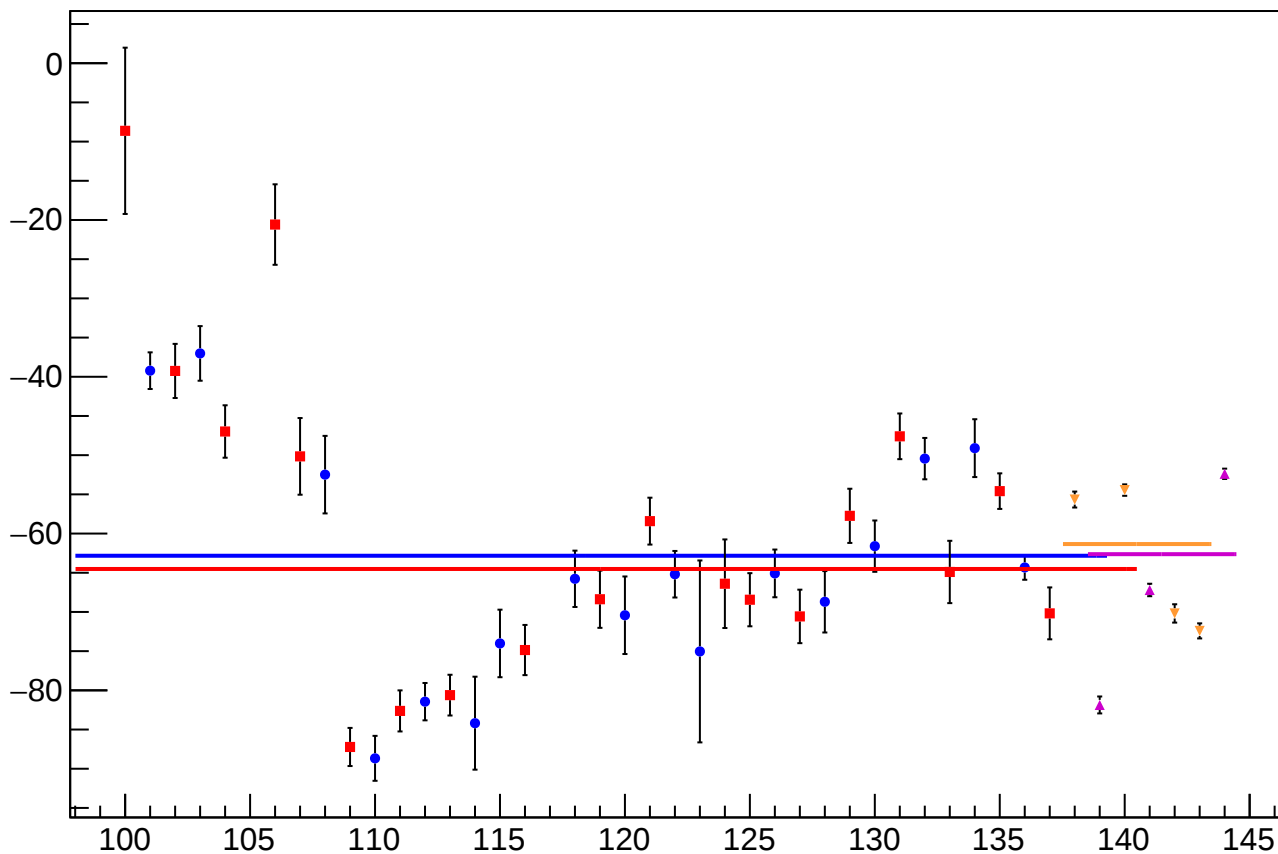
Left In: 0.364 ± 0.332 χ^2/NDF : 69.3/2

+ sign 0.802 ± 0.257 χ^2/NDF : 735.4/20

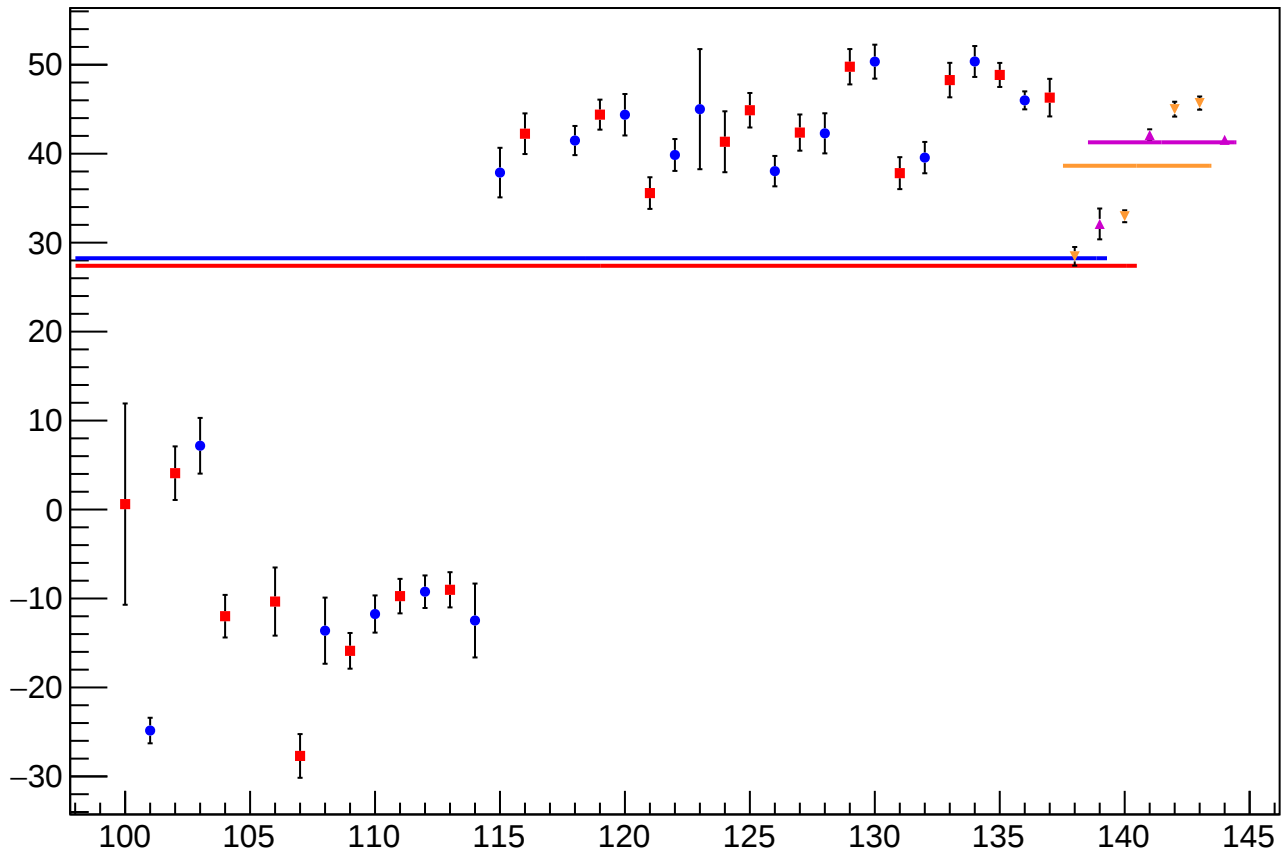
All: -0.353 ± 0.184 χ^2/NDF : 1231.1/42

- sign -1.550 ± 0.262 χ^2/NDF : 454.7/21

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.247 $\pm$ 0.461 χ^2 /NDF: 3310.9/16

Left Out: 38.644 $\pm$ 0.396 χ^2 /NDF:313.5/3

Right Out: 27.400 $\pm$ 0.480 χ^2 /NDF: 3031.5/18

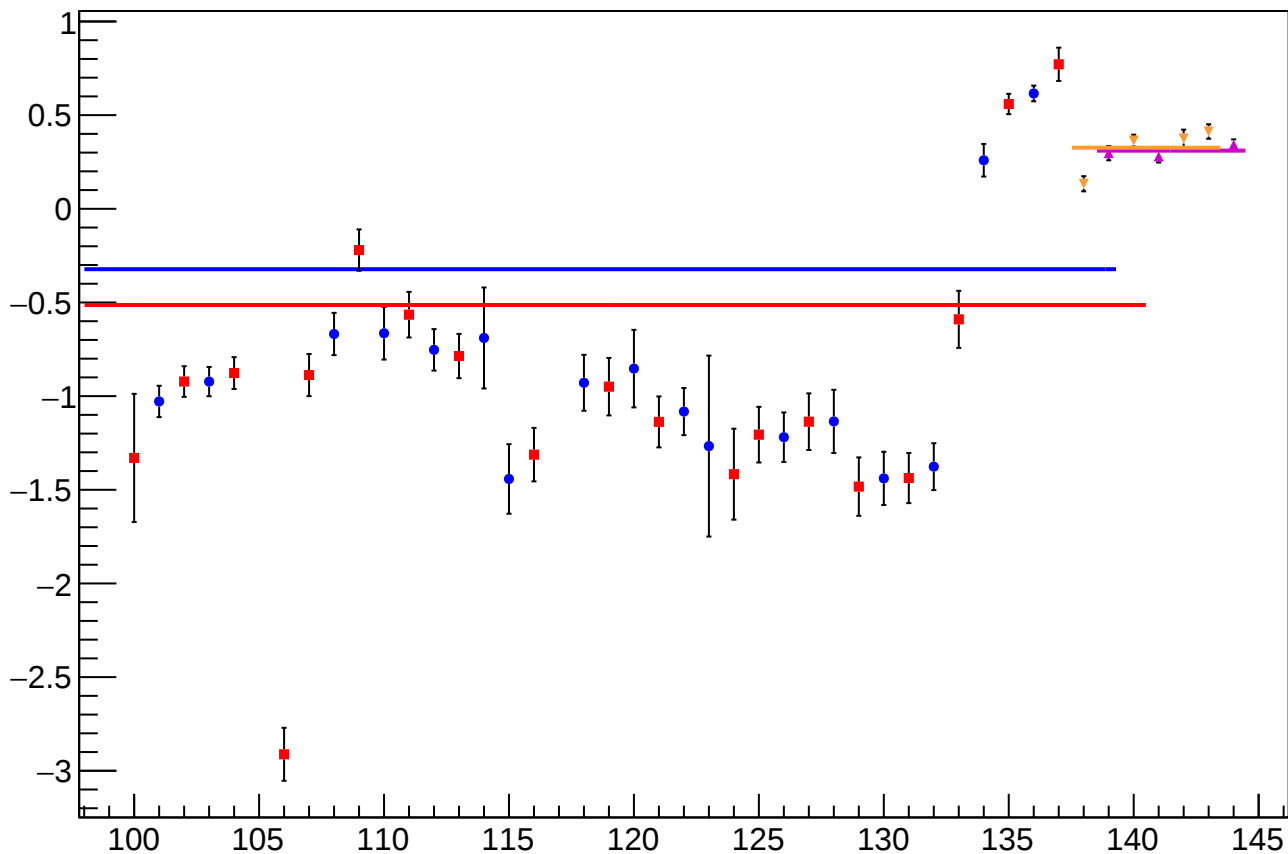
Left In: 41.278 $\pm$ 0.392 χ^2 /NDF:30.0/2

+ sign 34.224 $\pm$ 0.300 χ^2 /NDF: 3917.0/20

All: 34.960 $\pm$ 0.214 χ^2 /NDF: 7492.1/42

- sign 35.712 $\pm$ 0.304 χ^2 /NDF: 3563.0/21

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.322 ± 0.025 $\chi^2/\text{NDF}: 1010.1/16$

Left Out: 0.326 ± 0.019 $\chi^2/\text{NDF}: 30.2/3$

Right Out: -0.514 ± 0.026 $\chi^2/\text{NDF}: 1159.3/18$

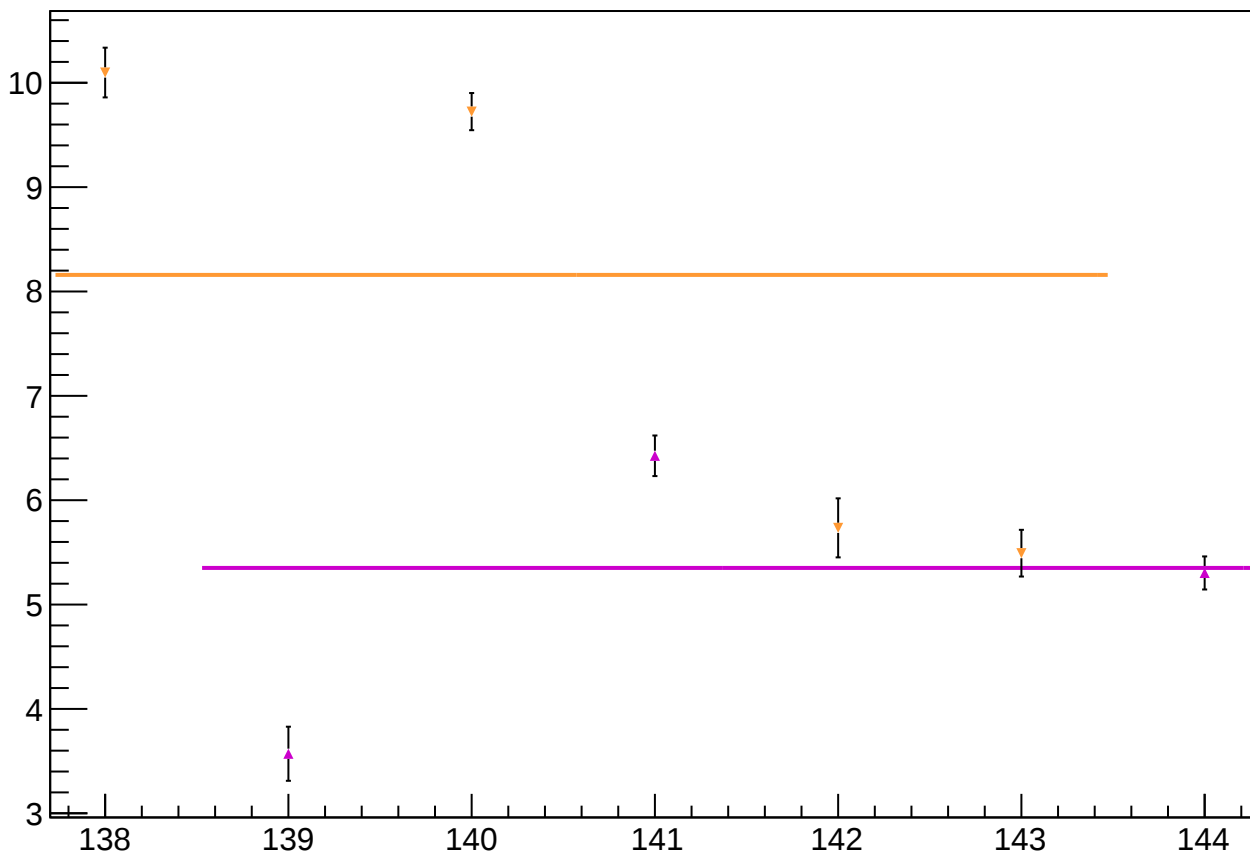
Left In: 0.310 ± 0.019 $\chi^2/\text{NDF}: 2.3/2$

+ sign 0.086 ± 0.015 $\chi^2/\text{NDF}: 1464.8/20$

All: 0.057 ± 0.011 $\chi^2/\text{NDF}: 3305.4/42$

- sign 0.028 ± 0.015 $\chi^2/\text{NDF}: 1833.4/21$

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: 8.159+/-0.111 χ^2/NDF : 358.8/3

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

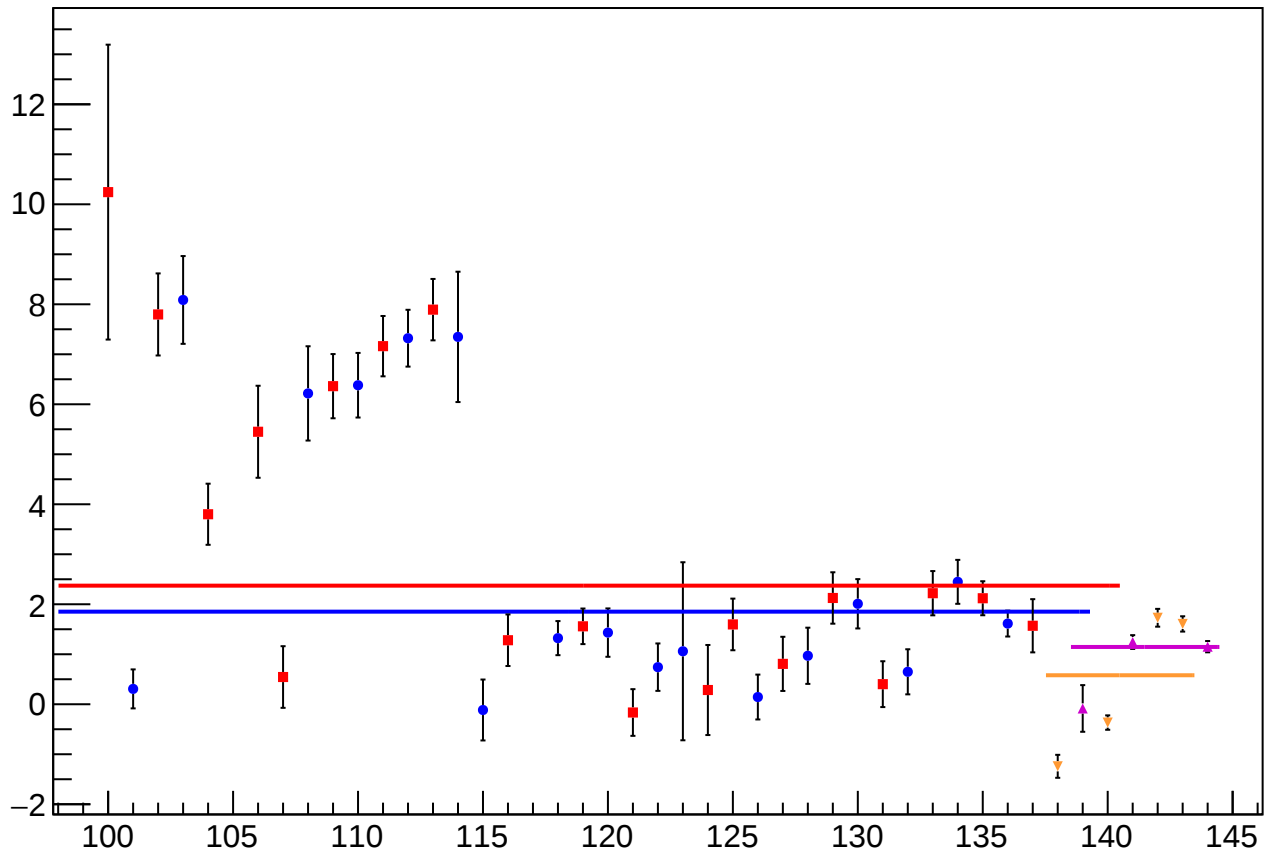
Left In: 5.351+/-0.111 χ^2/NDF : 77.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 6.759+/-0.078 χ^2/NDF : 757.6/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.852 ± 0.117 χ^2/NDF : 293.2/16

Left Out: 0.580 ± 0.084 χ^2/NDF : 192.6/3

Right Out: 2.372 ± 0.123 χ^2/NDF : 335.5/18

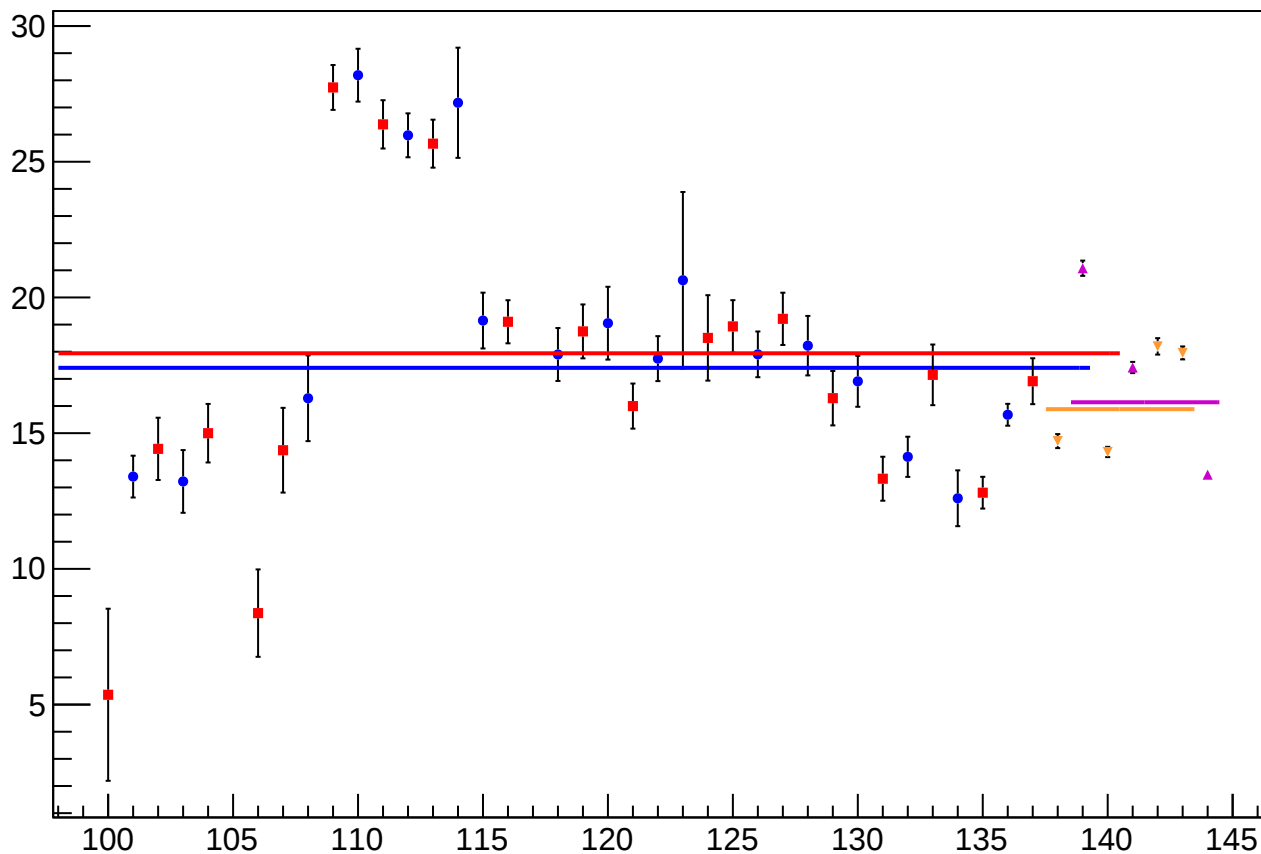
Left In: 1.146 ± 0.086 χ^2/NDF : 7.5/2

+ sign 1.012 ± 0.068 χ^2/NDF : 563.5/20

All: 1.273 ± 0.049 χ^2/NDF : 1003.4/42

- sign 1.548 ± 0.070 χ^2/NDF : 410.1/21

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.407 $\pm$ 0.213 χ^2 /NDF: 365.3/16

Left Out: 15.884 $\pm$ 0.118 χ^2 /NDF: 223.7/3

Right Out: 17.943 $\pm$ 0.219 χ^2 /NDF: 505.3/18

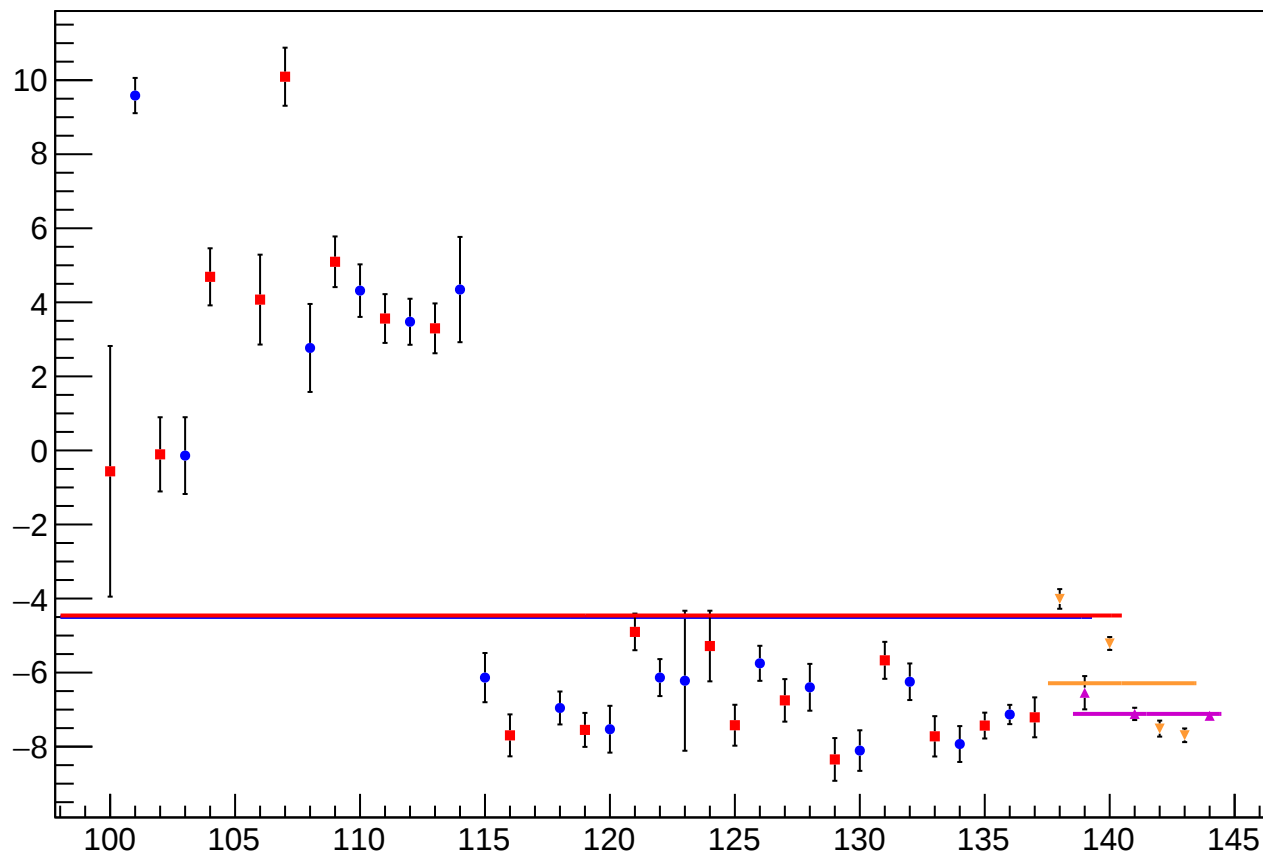
Left In: 16.139 $\pm$ 0.119 χ^2 /NDF: 595.1/2

+ sign 16.244 $\pm$ 0.104 χ^2 /NDF: 628.0/20

All: 16.395 $\pm$ 0.074 χ^2 /NDF: 1785.0/42

- sign 16.548 $\pm$ 0.104 χ^2 /NDF: 1152.7/21

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.497 ± 0.131 χ^2/NDF : 1582.8/16

Left Out: -6.288 ± 0.101 χ^2/NDF : 201.5/3

Right Out: -4.458 ± 0.137 χ^2/NDF : 1340.5/18

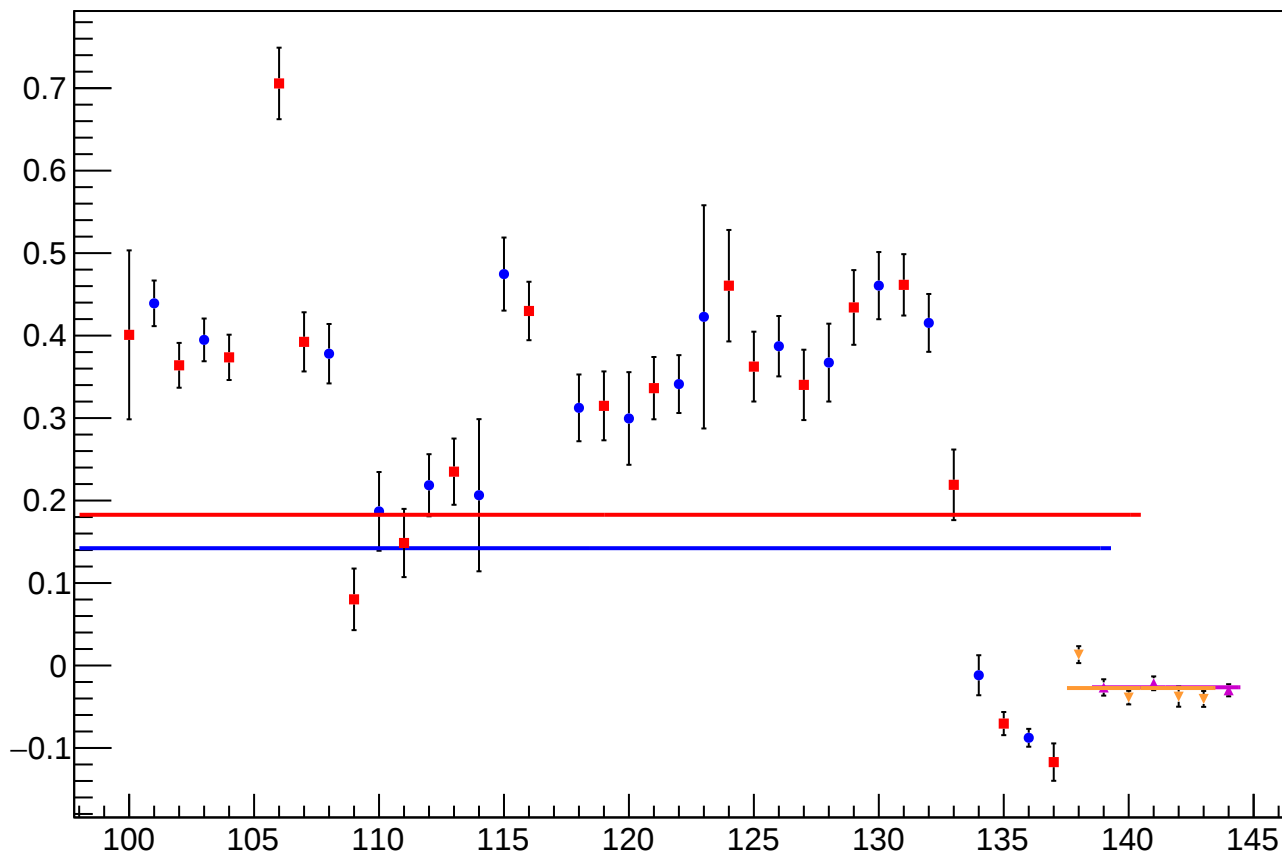
Left In: -7.116 ± 0.102 χ^2/NDF : 1.8/2

+ sign -5.616 ± 0.080 χ^2/NDF : 1901.9/20

All: -5.890 ± 0.057 χ^2/NDF : 3510.5/42

- sign -6.176 ± 0.082 χ^2/NDF : 1584.6/21

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.007 χ^2/NDF : 1057.7/16

Left Out: -0.027 $\pm$ 0.005 χ^2/NDF : 20.2/3

Right Out: 0.183 $\pm$ 0.007 χ^2/NDF : 999.1/18

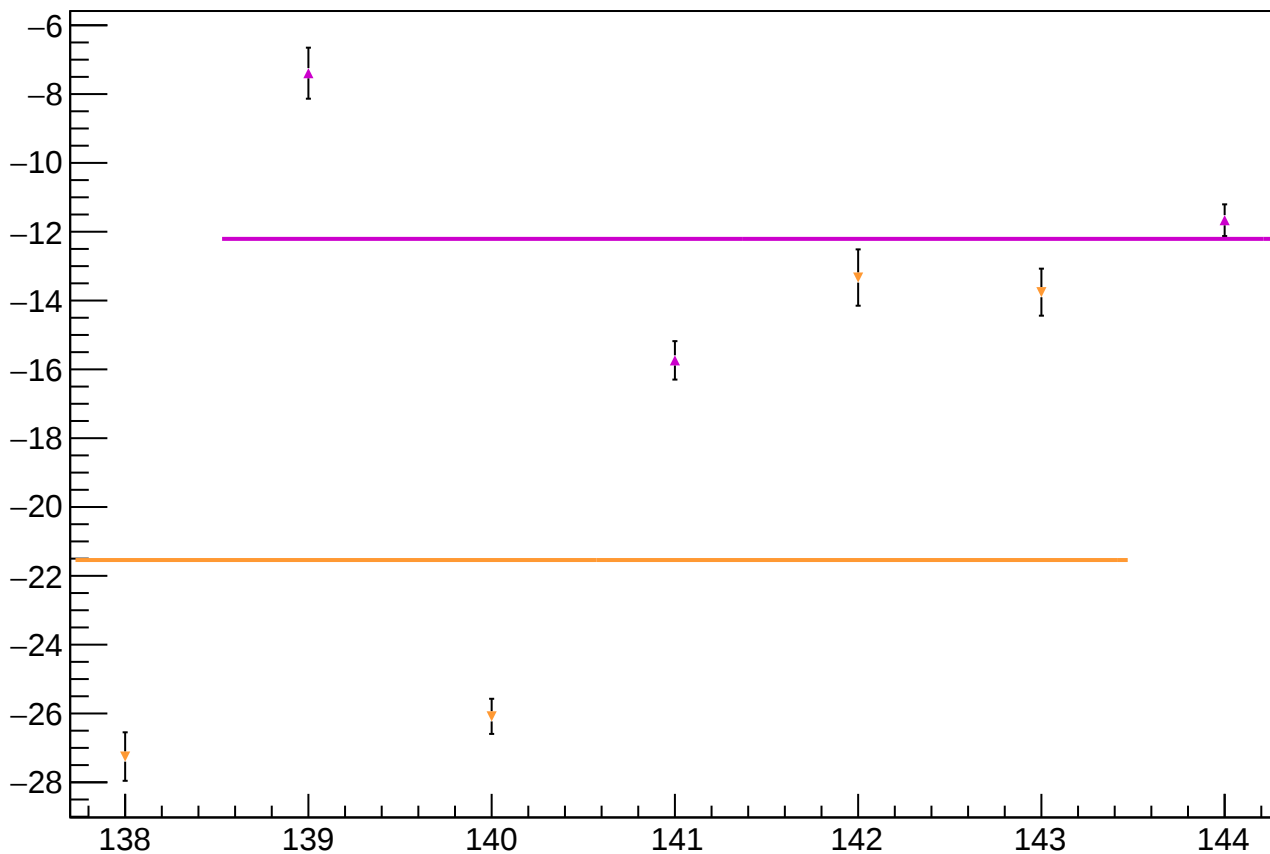
Left In: -0.026 $\pm$ 0.005 χ^2/NDF : 0.6/2

+ sign 0.028 $\pm$ 0.004 χ^2/NDF : 1466.3/20

All: 0.032 $\pm$ 0.003 χ^2/NDF : 3027.3/42

- sign 0.036 $\pm$ 0.004 χ^2/NDF : 1559.0/21

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -21.541+/-0.325 χ^2/NDF : 375.3/3

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

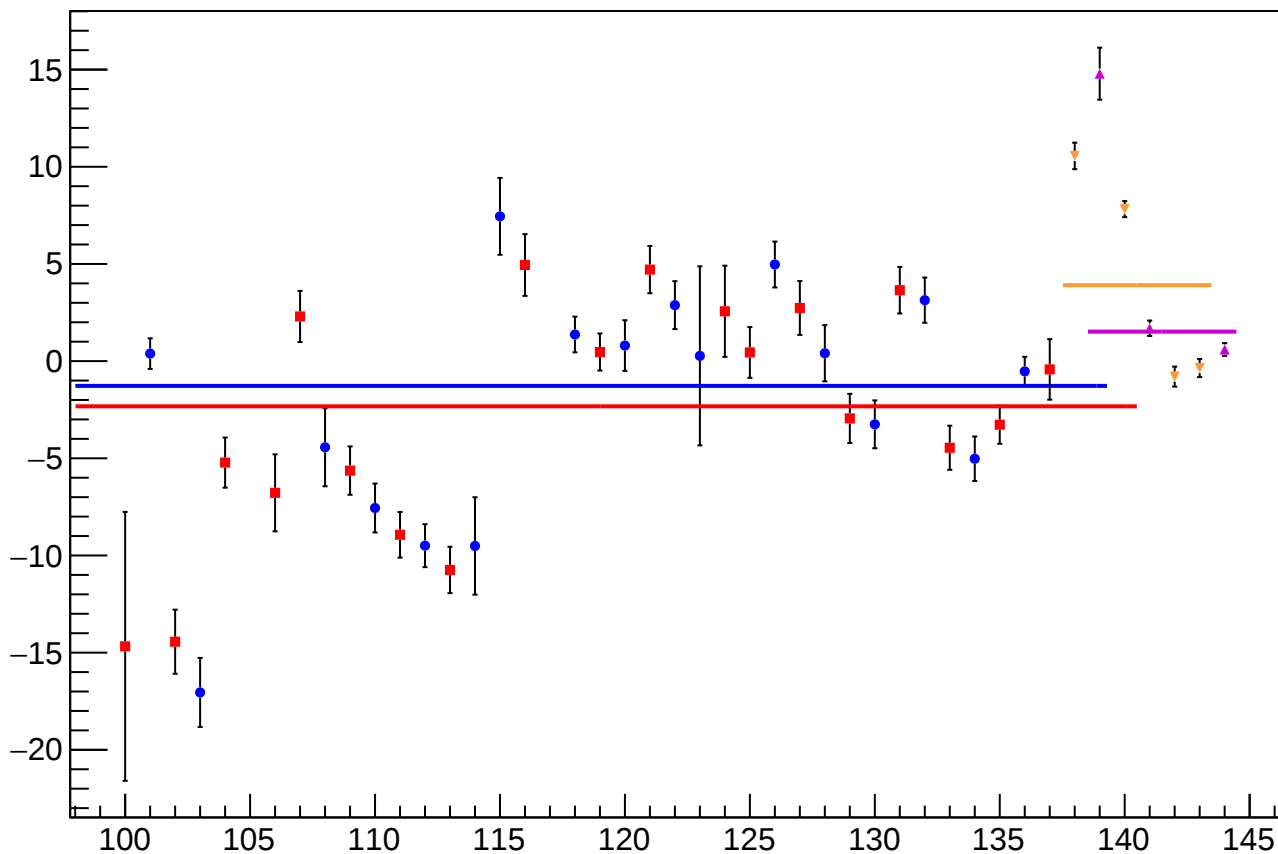
Left In: -12.208+/-0.321 χ^2/NDF : 83.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -16.815+/-0.228 χ^2/NDF : 877.2/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.274 ± 0.293 χ^2/NDF : 276.5/16

Left Out: 3.907 ± 0.248 χ^2/NDF : 350.9/3

Right Out: -2.325 ± 0.303 χ^2/NDF : 284.4/18

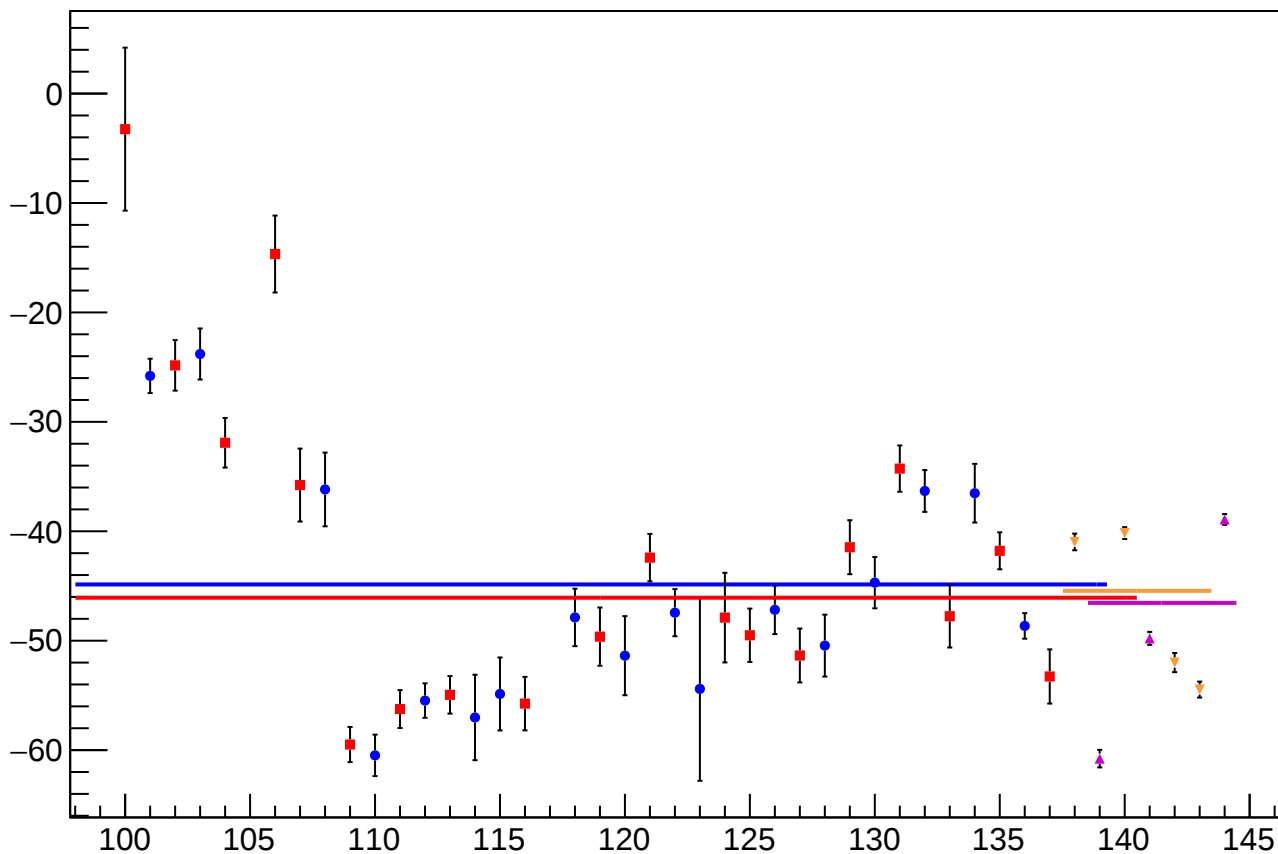
Left In: 1.518 ± 0.248 χ^2/NDF : 106.4/2

+ sign 1.747 ± 0.189 χ^2/NDF : 810.0/20

All: 0.873 ± 0.135 χ^2/NDF : 1340.5/42

- sign -0.028 ± 0.192 χ^2/NDF : 487.1/21

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.859 ± 0.525 χ^2/NDF : 420.2/16

Left Out: -45.444 ± 0.347 χ^2/NDF : 337.6/3

Right Out: -46.073 ± 0.529 χ^2/NDF : 453.9/18

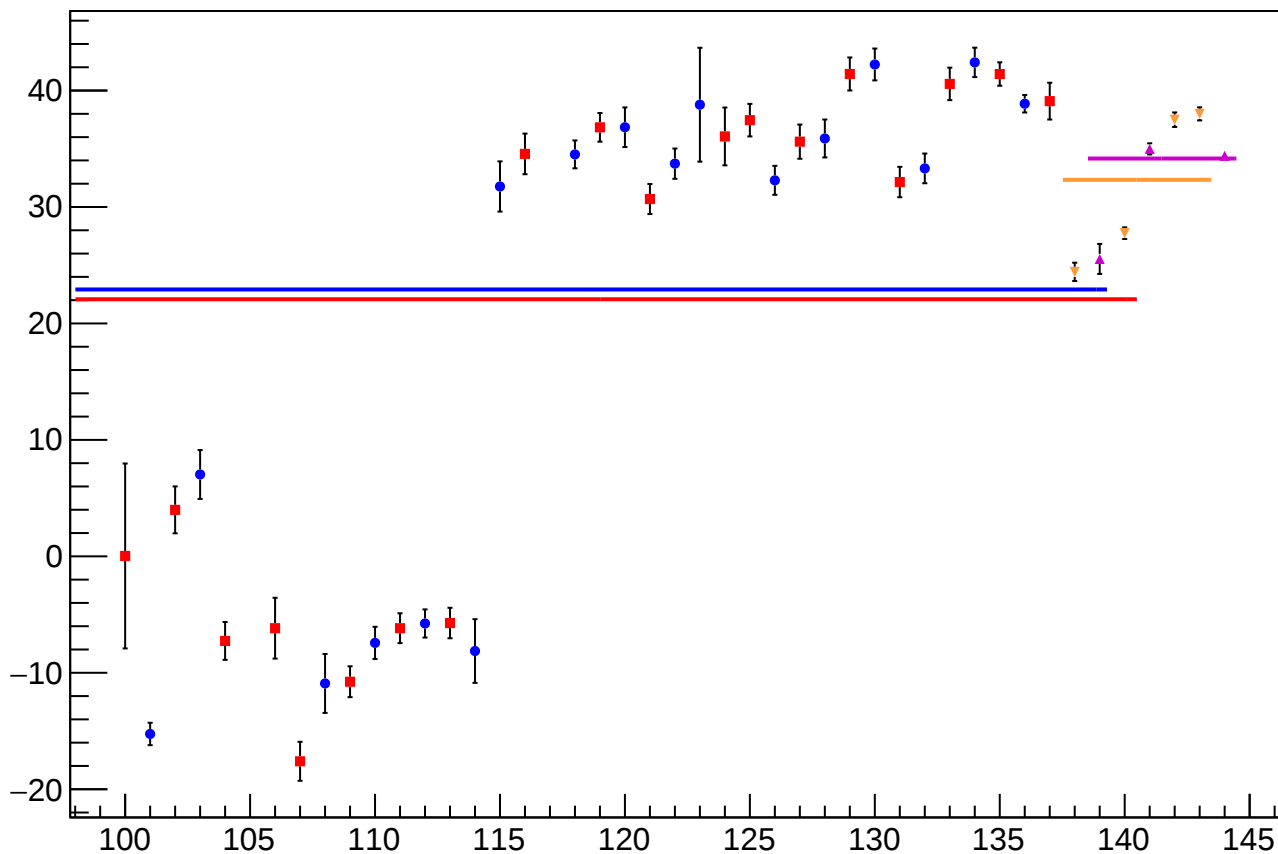
Left In: -46.547 ± 0.343 χ^2/NDF : 582.5/2

+ sign -45.266 ± 0.290 χ^2/NDF : 758.7/20

All: -45.840 ± 0.204 χ^2/NDF : 1803.4/42

- sign -46.406 ± 0.288 χ^2/NDF : 1036.9/21

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.917 $\pm$ 0.329 χ^2 /NDF: 4317.2/16

Left Out: 32.334 $\pm$ 0.297 χ^2 /NDF:353.7/3

Right Out: 22.078 $\pm$ 0.341 χ^2 /NDF: 4029.9/18

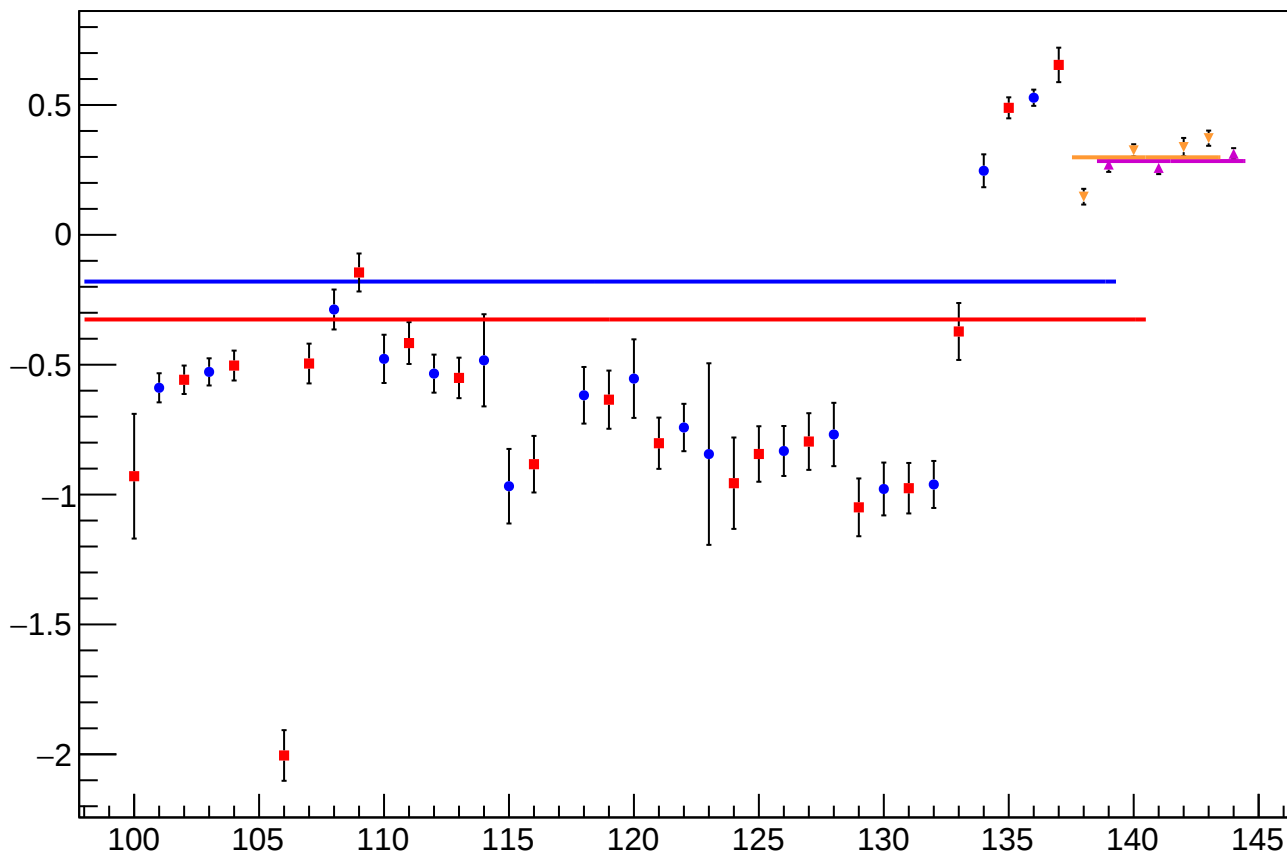
Left In: 34.162 $\pm$ 0.294 χ^2 /NDF:48.2/2

+ sign 28.094 $\pm$ 0.221 χ^2 /NDF: 5122.4/20

All: 28.545 $\pm$ 0.157 χ^2 /NDF: 9930.5/42

- sign 29.004 $\pm$ 0.222 χ^2 /NDF: 4799.8/21

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.2/16

Left Out: 0.299 ± 0.014 χ^2/NDF : 33.9/3

Right Out: -0.326 ± 0.018 χ^2/NDF : 1174.1/18

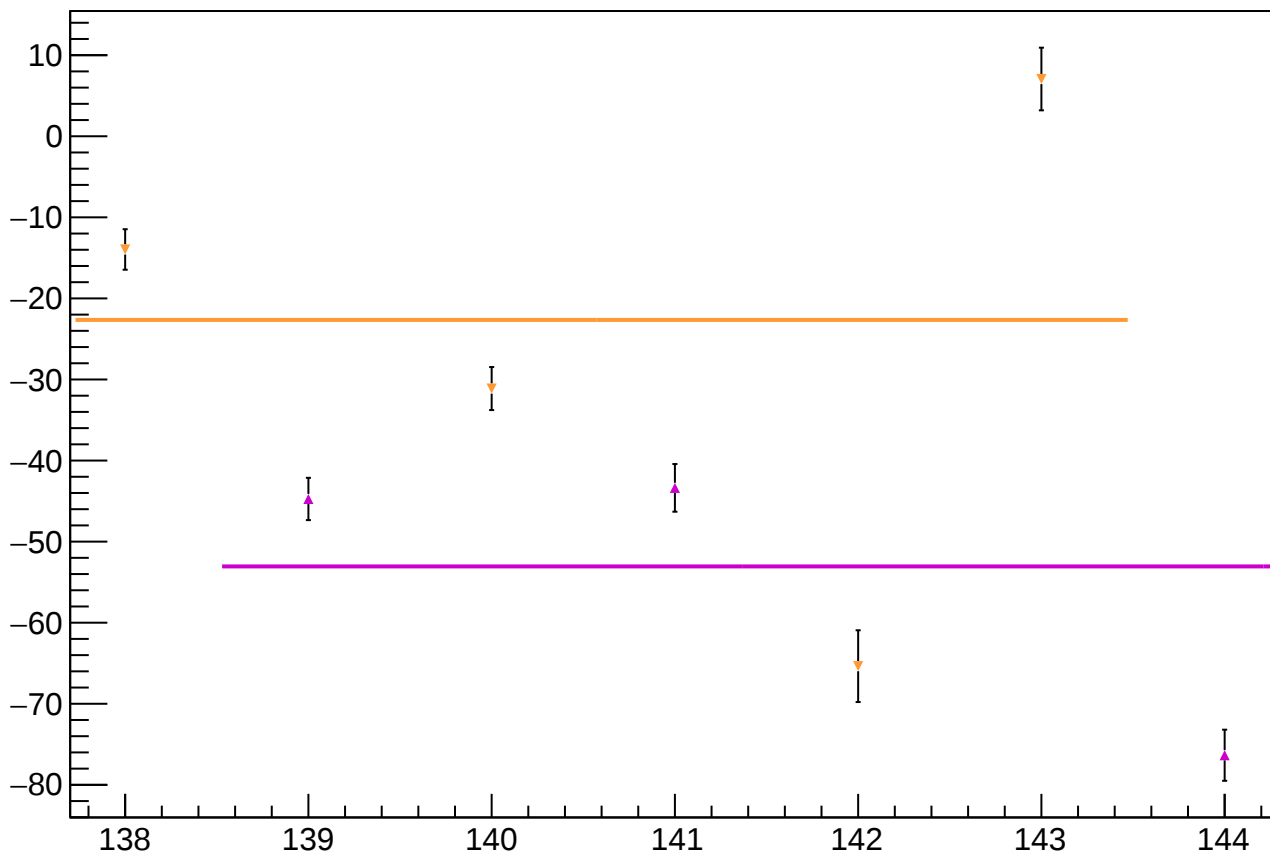
Left In: 0.284 ± 0.014 χ^2/NDF : 3.2/2

+ sign 0.110 ± 0.011 χ^2/NDF : 1467.0/20

All: 0.084 ± 0.008 χ^2/NDF : 3362.9/42

- sign 0.060 ± 0.011 χ^2/NDF : 1885.8/21

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -22.654+/-1.542 χ^2/NDF : 174.5/3

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

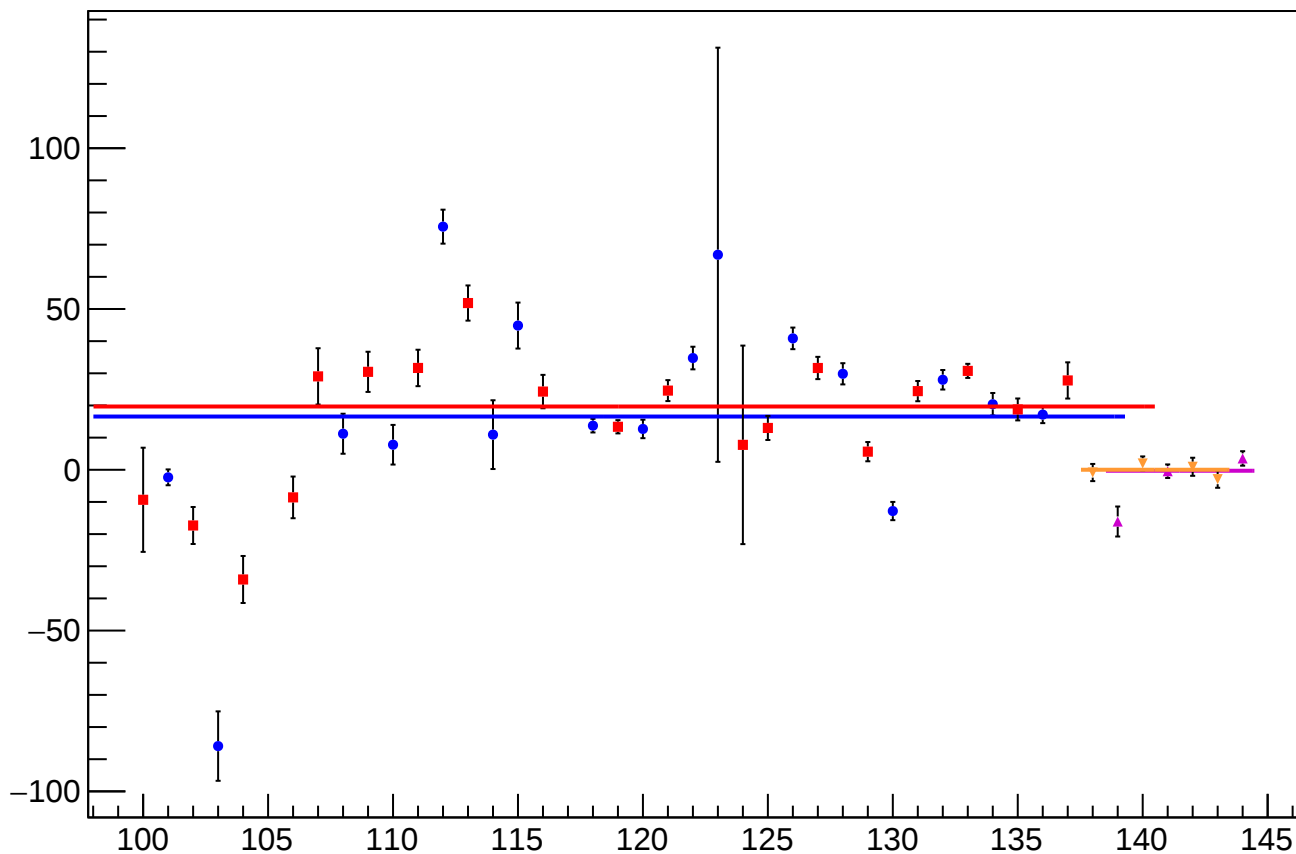
Left In: -53.058+/-1.659 χ^2/NDF : 75.6/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -36.748+/-1.130 χ^2/NDF : 430.3/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.559 ± 0.860 $\chi^2/\text{NDF}: 514.9/16$

Left Out: 0.011 ± 1.276 $\chi^2/\text{NDF}: 2.2/3$

Right Out: 19.678 ± 0.898 $\chi^2/\text{NDF}: 240.6/18$

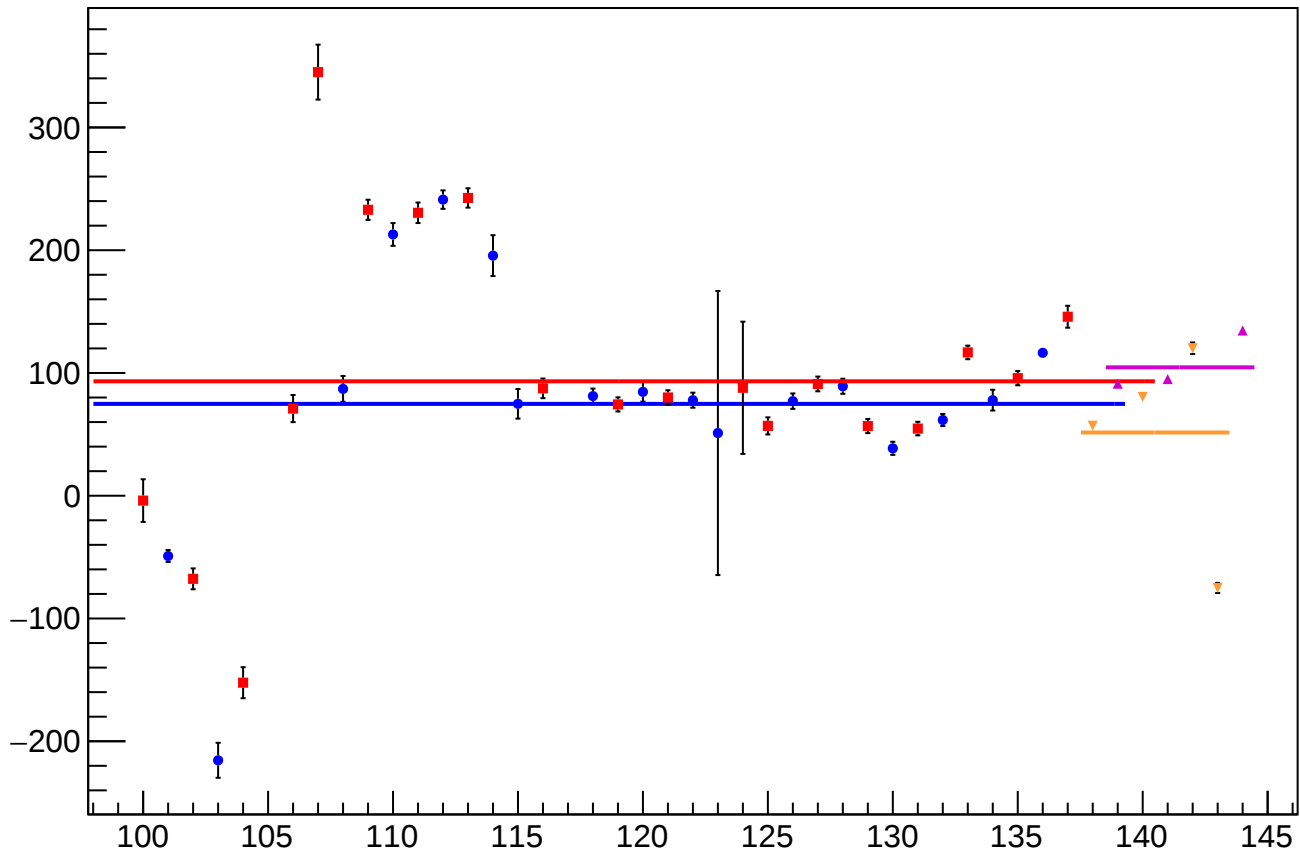
Left In: -0.301 ± 1.460 $\chi^2/\text{NDF}: 14.4/2$

+ sign 11.388 ± 0.713 $\chi^2/\text{NDF}: 632.8/20$

All: 12.695 ± 0.522 $\chi^2/\text{NDF}: 1030.8/42$

- sign 14.199 ± 0.765 $\chi^2/\text{NDF}: 390.8/21$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 74.816 ± 1.649 $\chi^2/\text{NDF}: 1994.3/16$

Left Out: 51.503 ± 1.656 $\chi^2/\text{NDF}: 1261.0/3$

Right Out: 93.209 ± 1.715 $\chi^2/\text{NDF}: 2001.2/18$

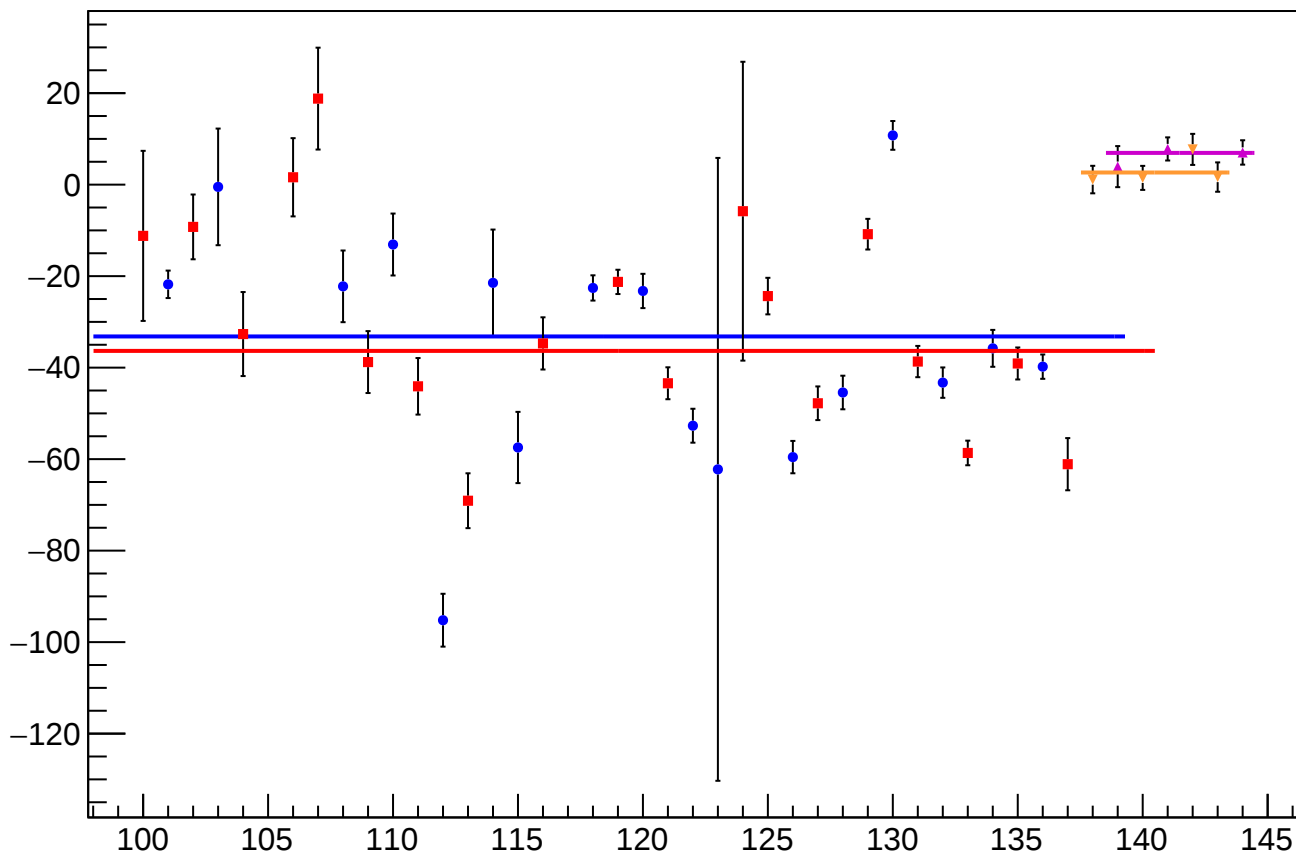
Left In: 104.577 ± 1.780 $\chi^2/\text{NDF}: 110.8/2$

+ sign 63.205 ± 1.169 $\chi^2/\text{NDF}: 3354.8/20$

All: 79.959 ± 0.849 $\chi^2/\text{NDF}: 5923.2/42$

- sign 98.680 ± 1.235 $\chi^2/\text{NDF}: 2133.1/21$

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.182 ± 0.984 χ^2/NDF : 485.4/16

Left Out: 2.655 ± 1.508 χ^2/NDF : 2.8/3

Right Out: -36.341 ± 1.026 χ^2/NDF : 295.1/18

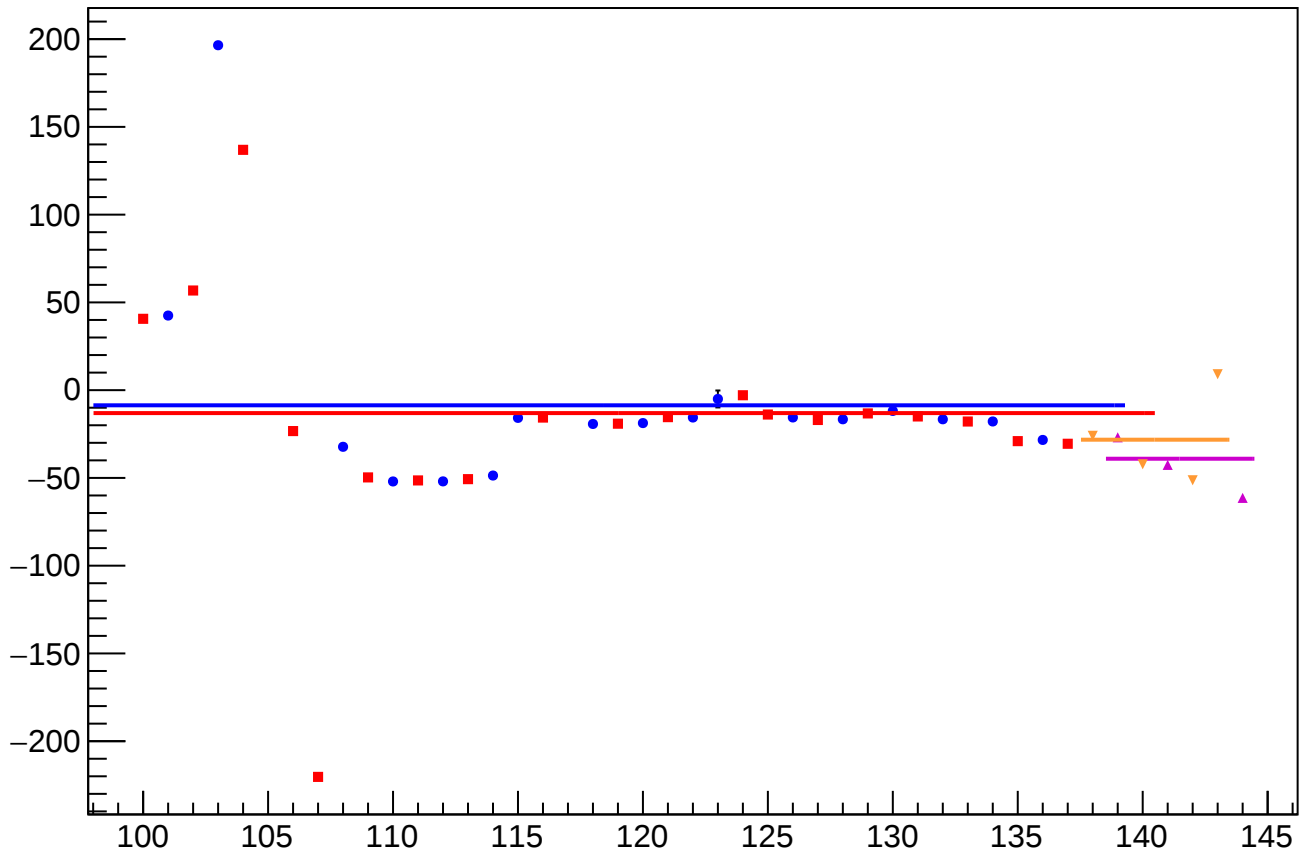
Left In: 6.939 ± 1.698 χ^2/NDF : 0.6/2

+ sign -22.488 ± 0.824 χ^2/NDF : 884.3/20

All: -23.552 ± 0.601 χ^2/NDF : 1659.4/42

- sign -24.762 ± 0.878 χ^2/NDF : 771.6/21

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.630 ± 0.059 $\chi^2/\text{NDF}: 575559.8/16$

Left Out: -28.224 ± 0.067 $\chi^2/\text{NDF}: 79361.1/3$

Right Out: -13.064 ± 0.062 $\chi^2/\text{NDF}: 558310.5/18$

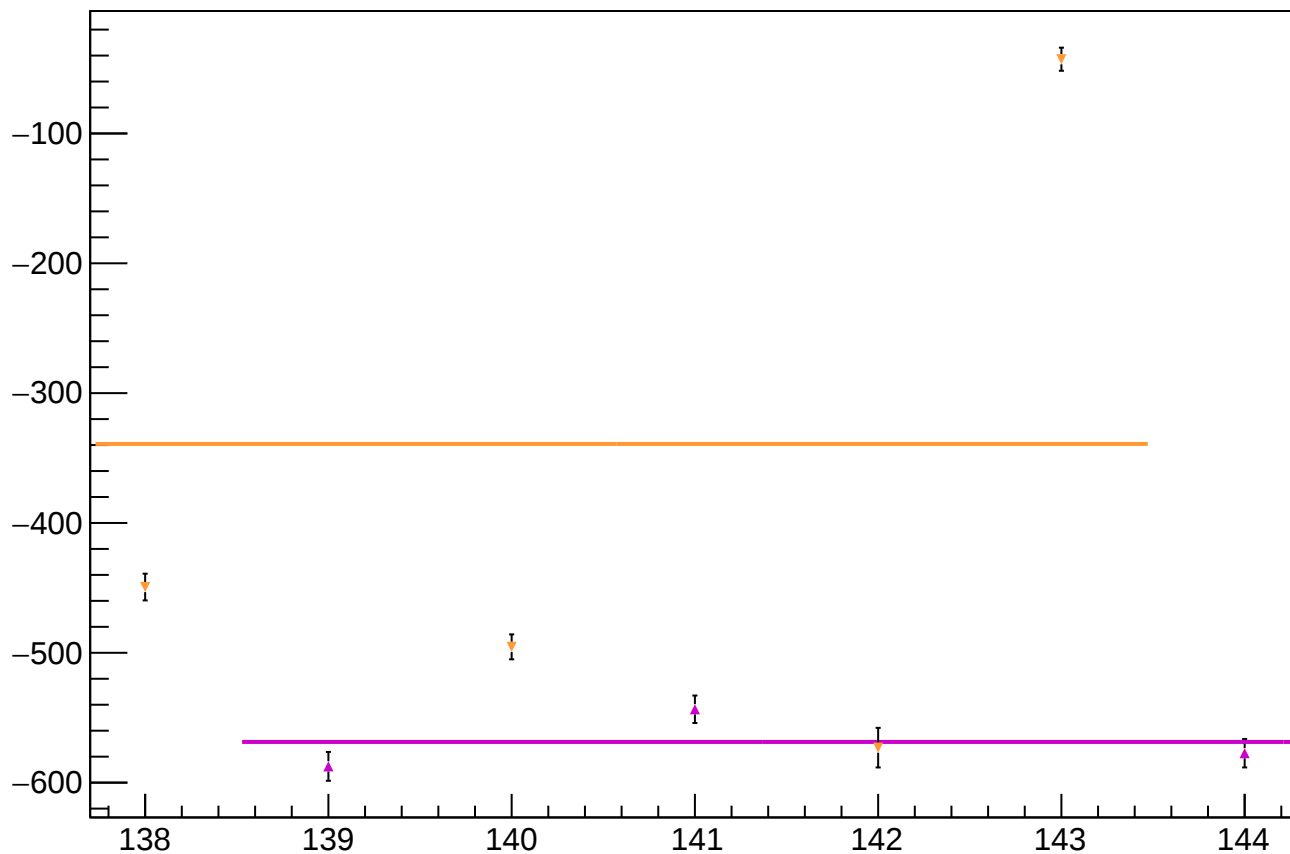
Left In: -39.069 ± 0.069 $\chi^2/\text{NDF}: 38737.5/2$

+ sign -17.168 ± 0.044 $\chi^2/\text{NDF}: 702745.9/20$

All: -20.790 ± 0.032 $\chi^2/\text{NDF}: 1392367.2/42$

- sign -24.682 ± 0.046 $\chi^2/\text{NDF}: 675836.8/21$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -339.126+/-5.184 χ^2/NDF : 1723.5/3

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

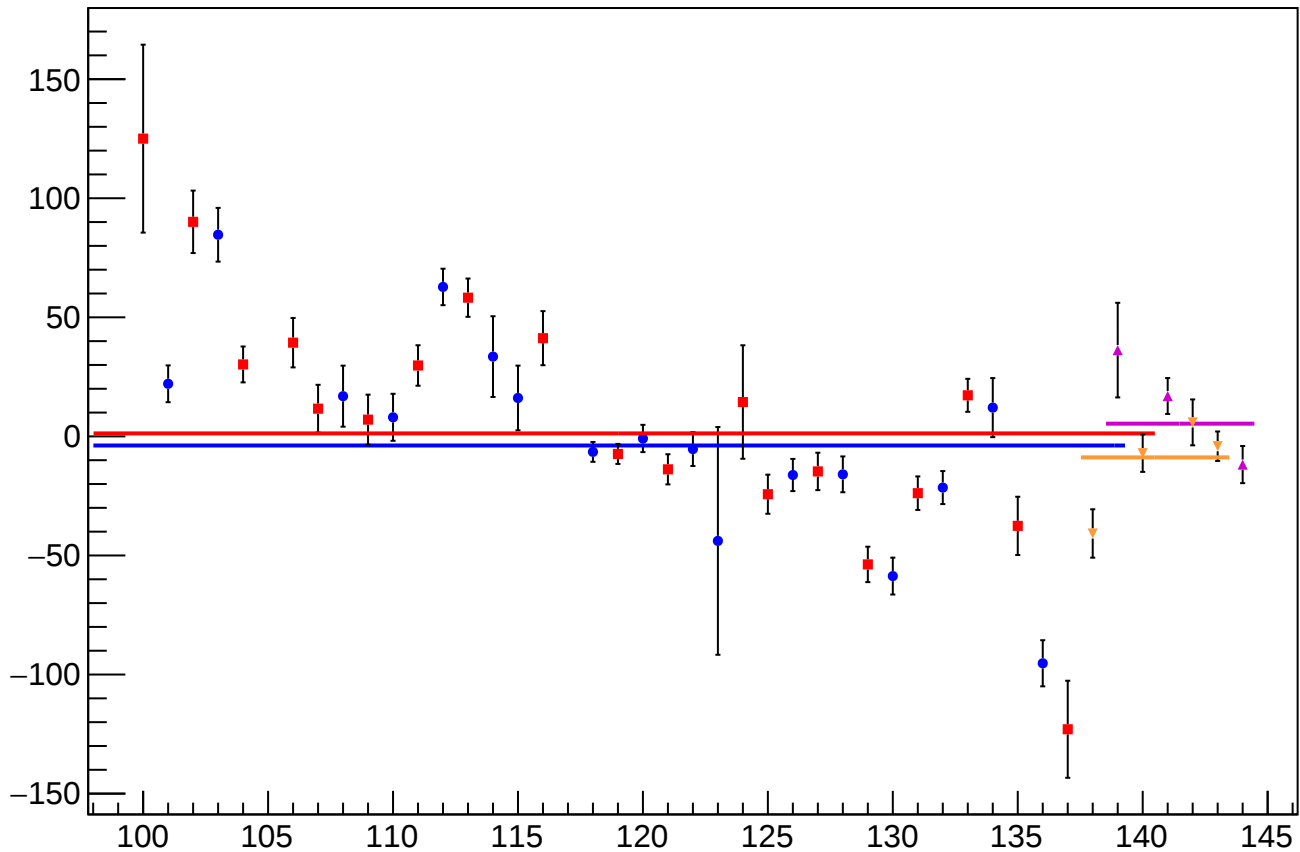
Left In: -568.660+/-6.278 χ^2/NDF : 9.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -432.171+/-3.997 χ^2/NDF : 2527.5/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.821 ± 1.927 χ^2/NDF : 314.4/16

Left Out: -8.812 ± 3.990 χ^2/NDF : 12.8/3

Right Out: 1.253 ± 1.917 χ^2/NDF : 303.3/18

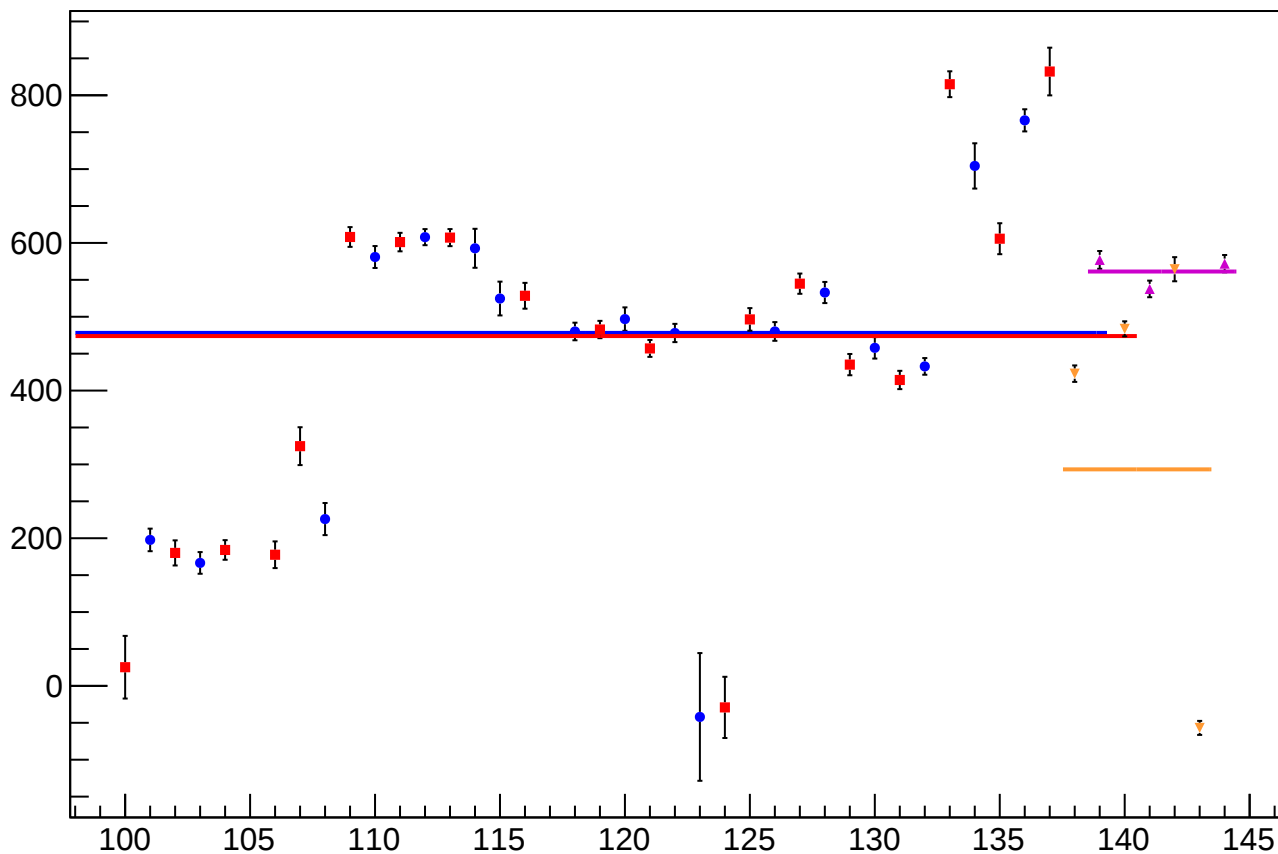
Left In: 5.348 ± 5.227 χ^2/NDF : 9.7/2

+ sign -4.765 ± 1.735 χ^2/NDF : 328.5/20

All: -1.632 ± 1.249 χ^2/NDF : 648.8/42

- sign 1.739 ± 1.800 χ^2/NDF : 313.5/21

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.121+/-3.670 χ^2/NDF : 1627.6/16

Left Out: 293.273+/-5.552 χ^2/NDF : 2116.3/3

Right Out: 473.847+/-3.538 χ^2/NDF : 2285.5/18

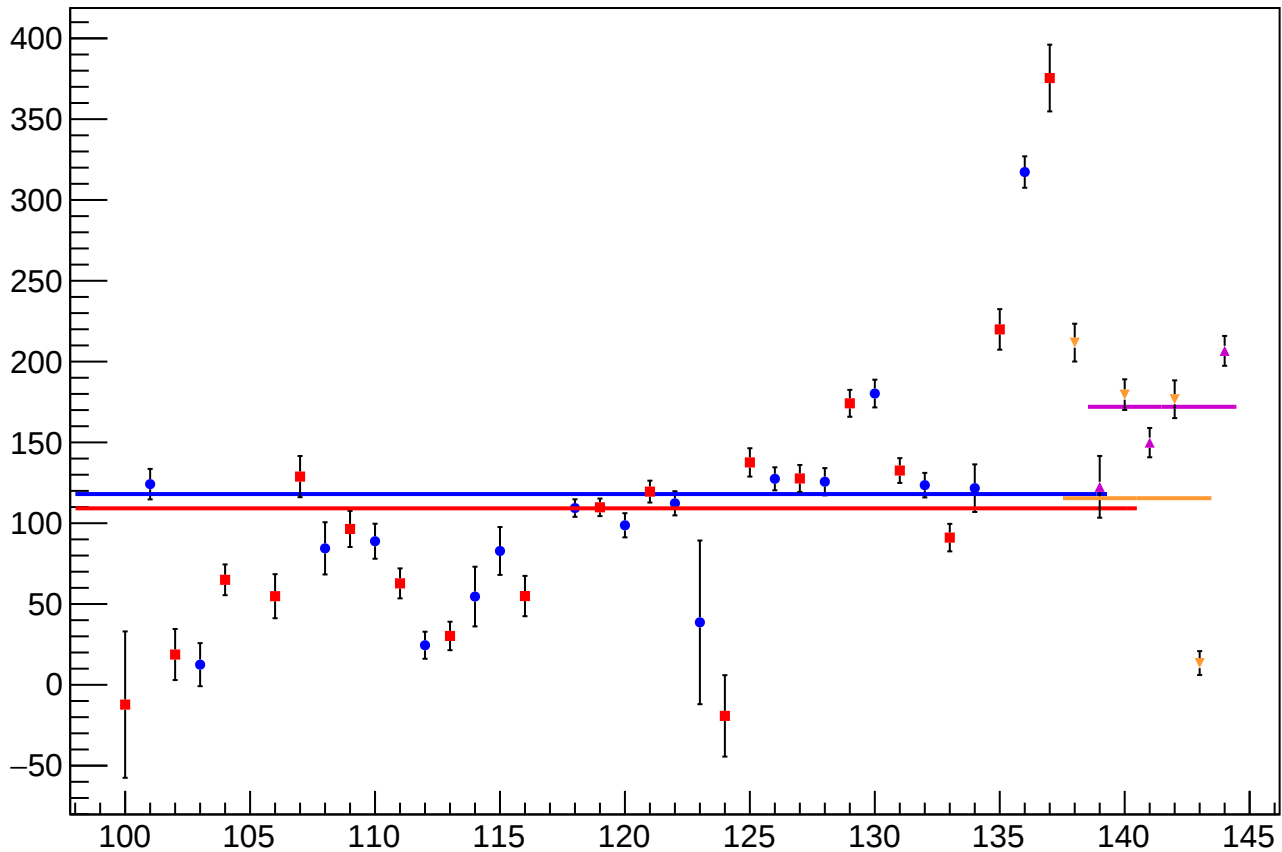
Left In: 561.258+/-6.730 χ^2/NDF : 6.9/2

+ sign 421.905+/-3.062 χ^2/NDF : 4515.2/20

All: 456.543+/-2.189 χ^2/NDF : 7201.6/42

- sign 492.772+/-3.131 χ^2/NDF : 2424.6/21

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.036 $\pm$ 2.231 χ^2 /NDF: 705.1/16

Left Out: 115.485 $\pm$ 4.765 χ^2 /NDF: 331.2/3

Right Out: 109.208 $\pm$ 2.209 χ^2 /NDF: 568.1/18

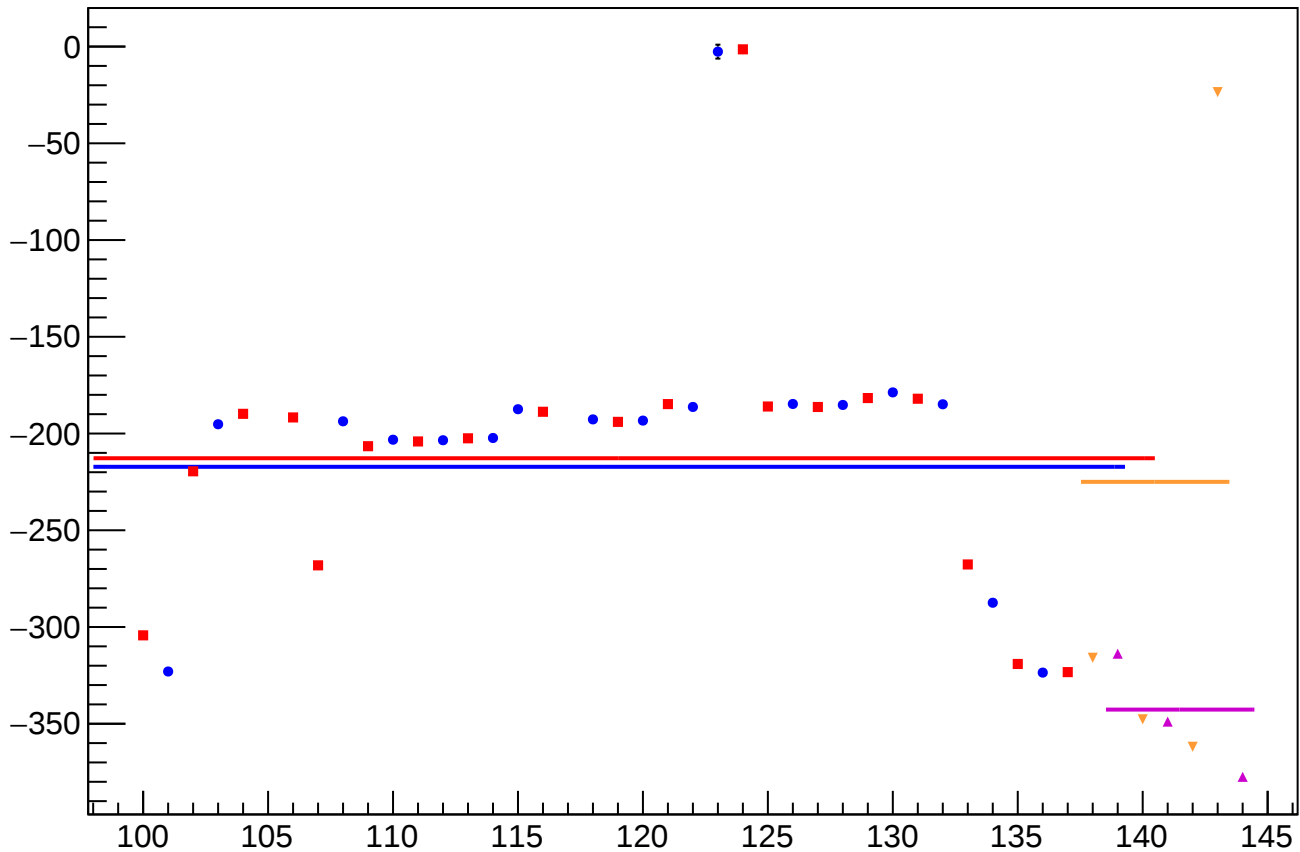
Left In: 172.024 $\pm$ 6.135 χ^2 /NDF: 26.7/2

+ sign 117.578 $\pm$ 2.020 χ^2 /NDF: 1036.5/20

All: 117.015 $\pm$ 1.449 χ^2 /NDF: 1724.2/42

- sign 116.418 $\pm$ 2.079 χ^2 /NDF: 687.6/21

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.198 ± 0.137 $\chi^2/\text{NDF}: 146444.6/16$

Left Out: -224.971 ± 0.227 $\chi^2/\text{NDF}: 441666.8/3$

Right Out: -212.772 ± 0.130 $\chi^2/\text{NDF}: 115507.3/18$

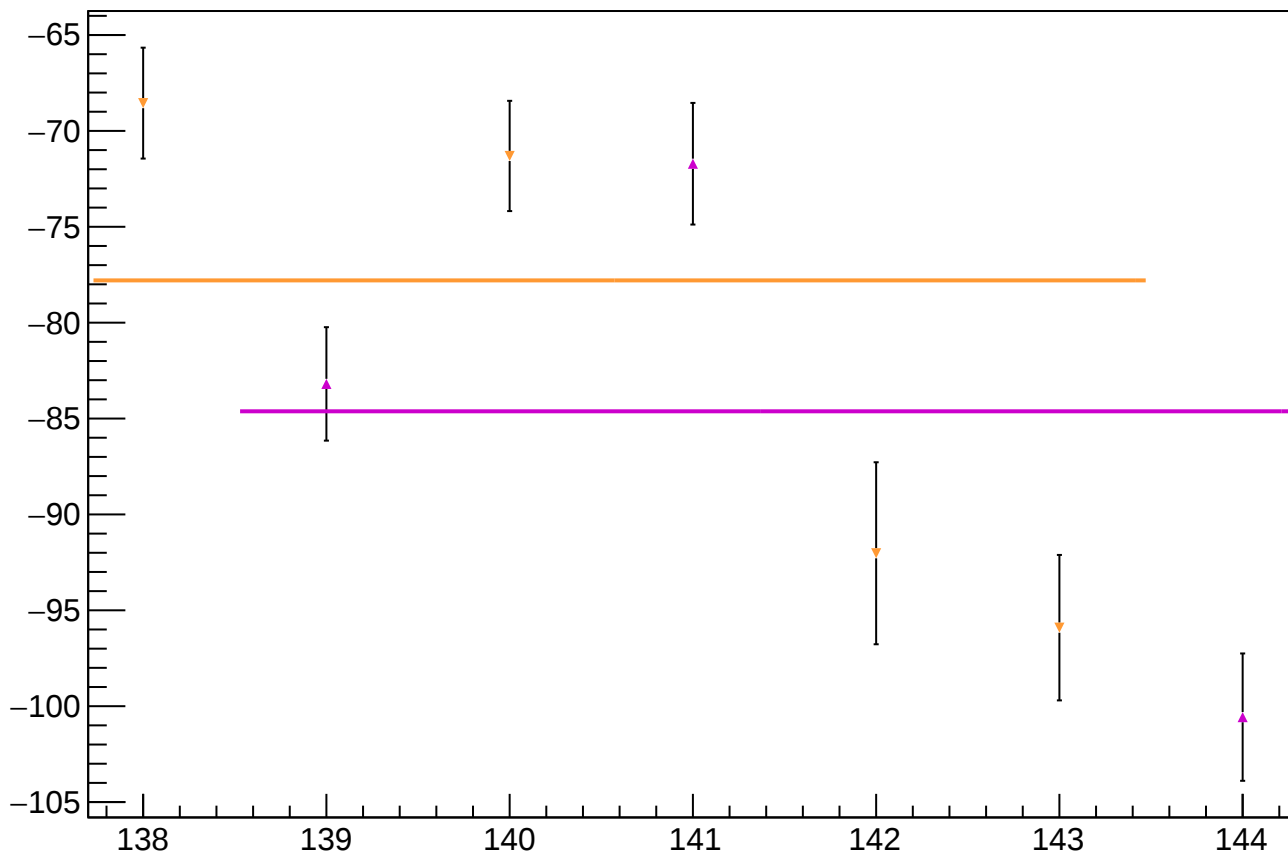
Left In: -342.682 ± 0.265 $\chi^2/\text{NDF}: 9473.8/2$

+ sign -219.263 ± 0.117 $\chi^2/\text{NDF}: 588968.8/20$

All: -228.687 ± 0.083 $\chi^2/\text{NDF}: 920260.5/42$

- sign -238.070 ± 0.117 $\chi^2/\text{NDF}: 318394.6/21$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -77.795+/-1.679 χ^2/NDF : 47.1/3

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

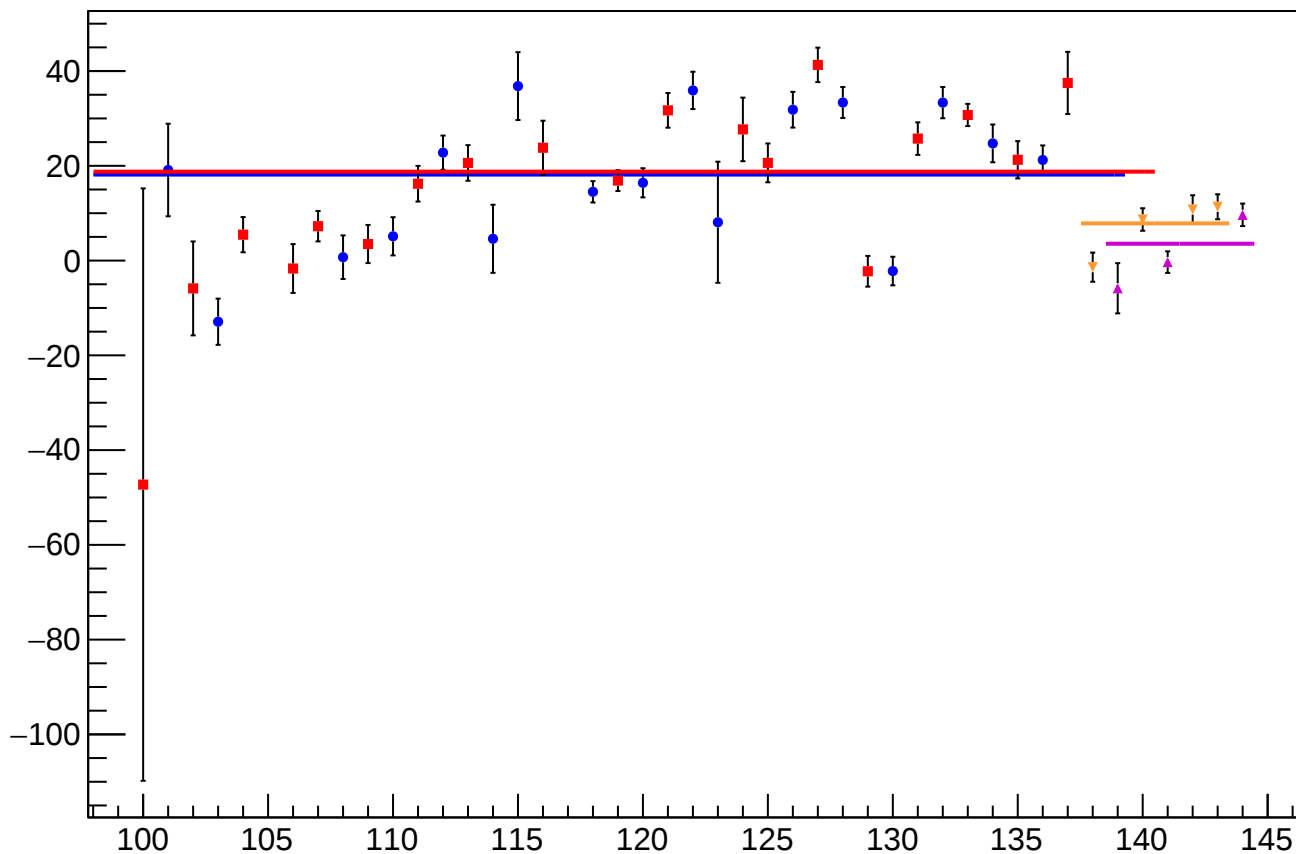
Left In: -84.622+/-1.813 χ^2/NDF : 39.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -80.949+/-1.232 χ^2/NDF : 94.6/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.157 ± 0.919 χ^2/NDF : 206.6/16

Left Out: 7.848 ± 1.364 χ^2/NDF : 11.8/3

Right Out: 18.770 ± 0.864 χ^2/NDF : 199.0/18

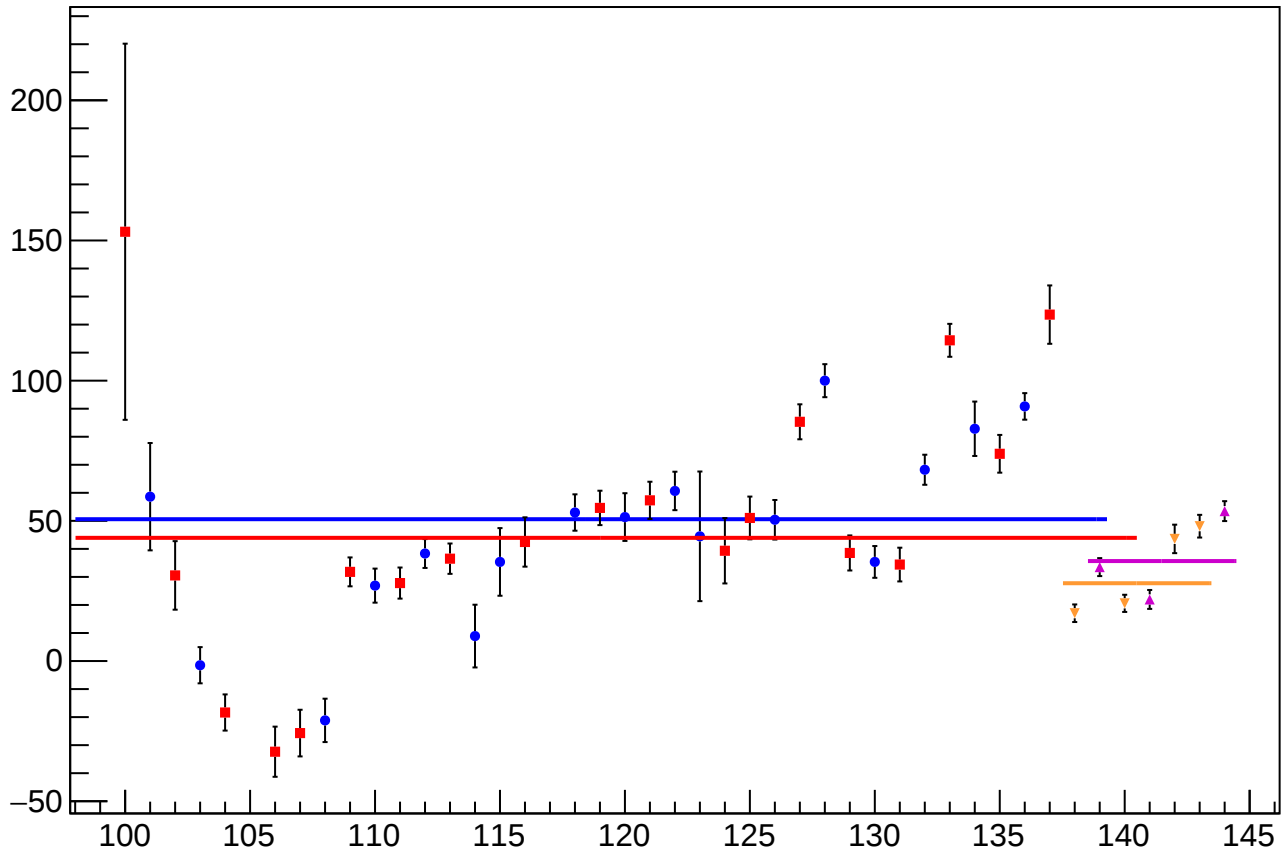
Left In: 3.559 ± 1.568 χ^2/NDF : 12.7/2

+ sign 14.940 ± 0.762 χ^2/NDF : 257.7/20

All: 15.085 ± 0.537 χ^2/NDF : 541.8/42

- sign 15.227 ± 0.757 χ^2/NDF : 283.9/21

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.587 $\pm$ 1.681 χ^2 /NDF: 361.7/16

Left Out: 27.752 $\pm$ 1.802 χ^2 /NDF: 52.1/3

Right Out: 43.942 $\pm$ 1.605 χ^2 /NDF: 533.3/18

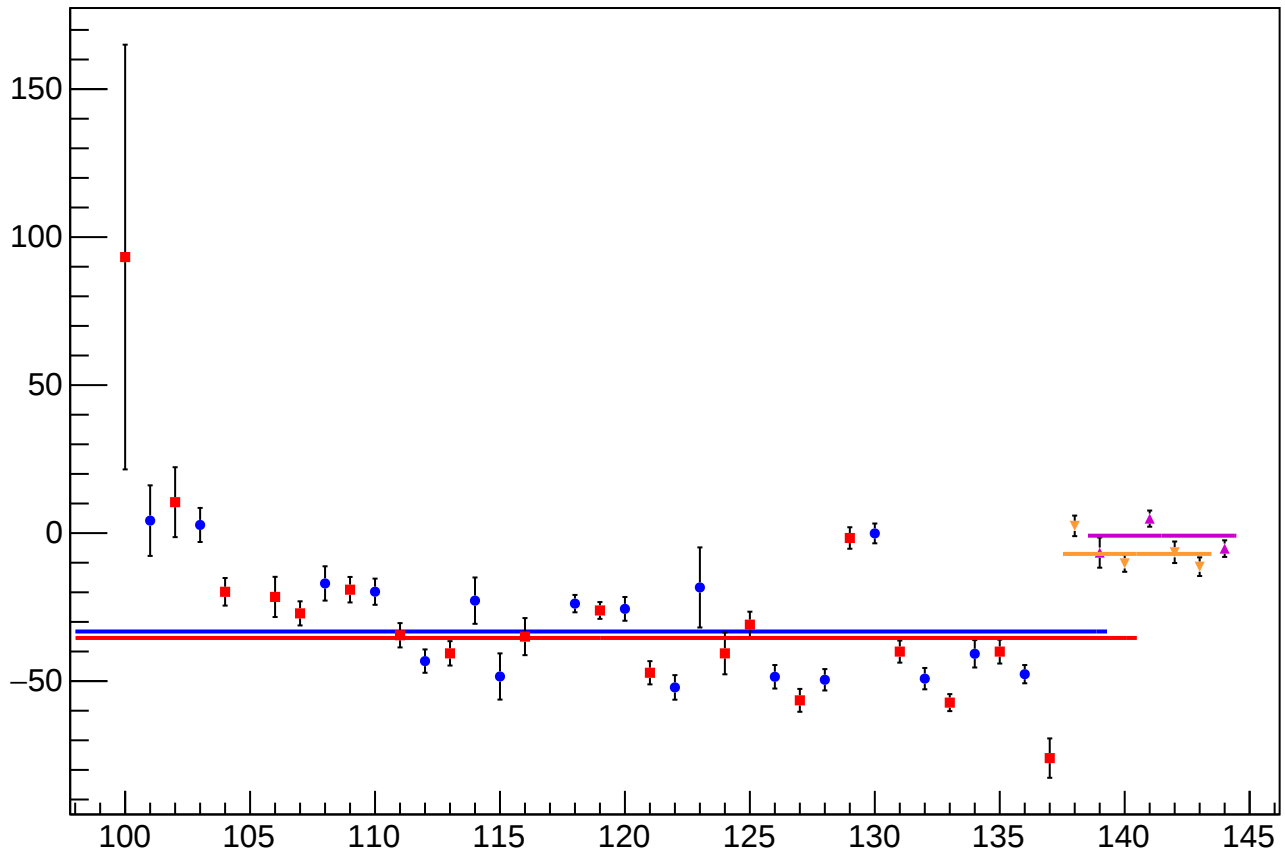
Left In: 35.658 $\pm$ 1.944 χ^2 /NDF: 42.1/2

+ sign 39.962 $\pm$ 1.229 χ^2 /NDF: 499.7/20

All: 40.271 $\pm$ 0.872 χ^2 /NDF: 1086.0/42

- sign 40.585 $\pm$ 1.238 χ^2 /NDF: 586.2/21

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.238 ± 1.045 χ^2/NDF : 291.4/16

Left Out: -7.026 ± 1.617 χ^2/NDF : 10.6/3

Right Out: -35.423 ± 0.993 χ^2/NDF : 289.2/18

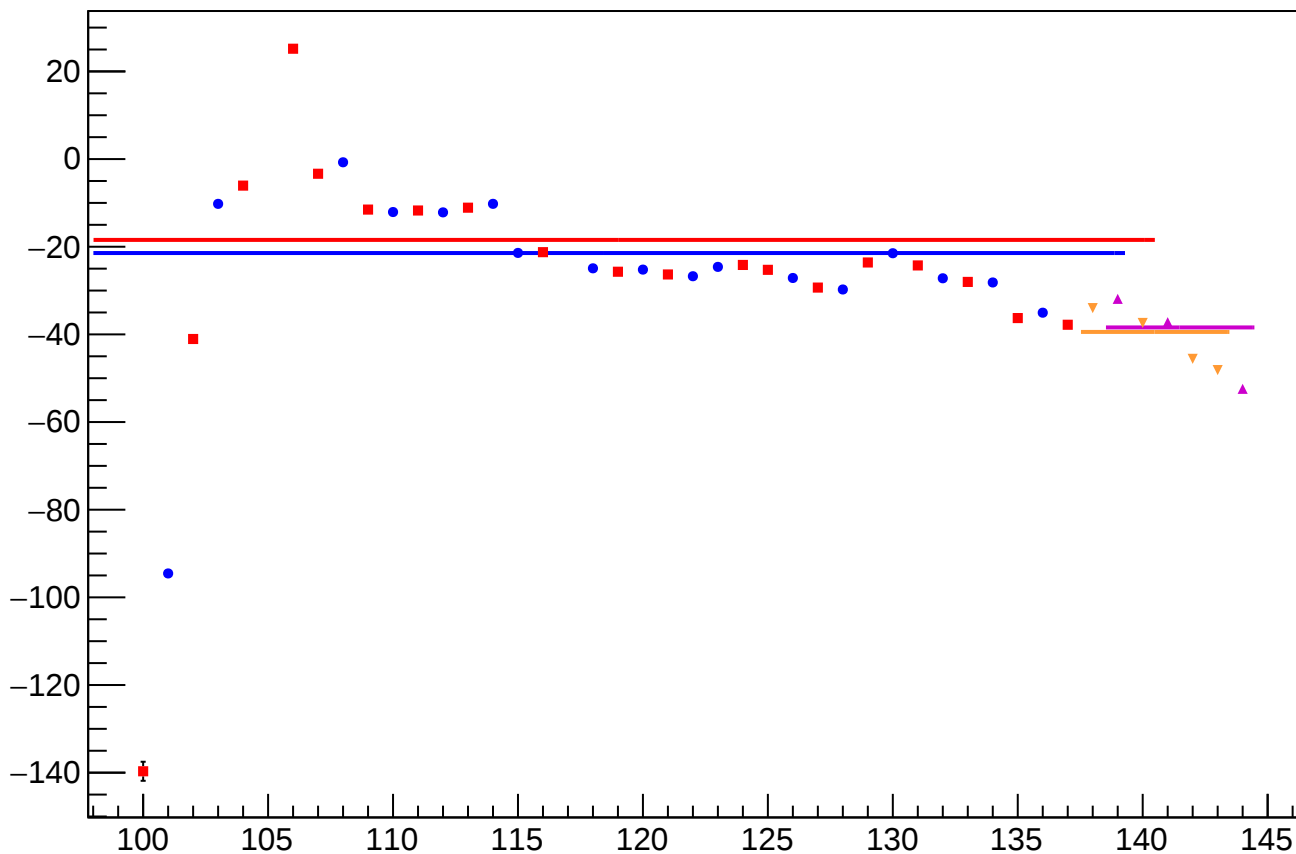
Left In: -0.871 ± 1.826 χ^2/NDF : 8.1/2

+ sign -25.513 ± 0.878 χ^2/NDF : 487.2/20

All: -26.532 ± 0.619 χ^2/NDF : 1063.6/42

- sign -27.537 ± 0.872 χ^2/NDF : 573.7/21

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.439 ± 0.059 $\chi^2/\text{NDF}: 48930.7/16$

Left Out: -39.438 ± 0.073 $\chi^2/\text{NDF}: 6008.2/3$

Right Out: -18.442 ± 0.057 $\chi^2/\text{NDF}: 80422.3/18$

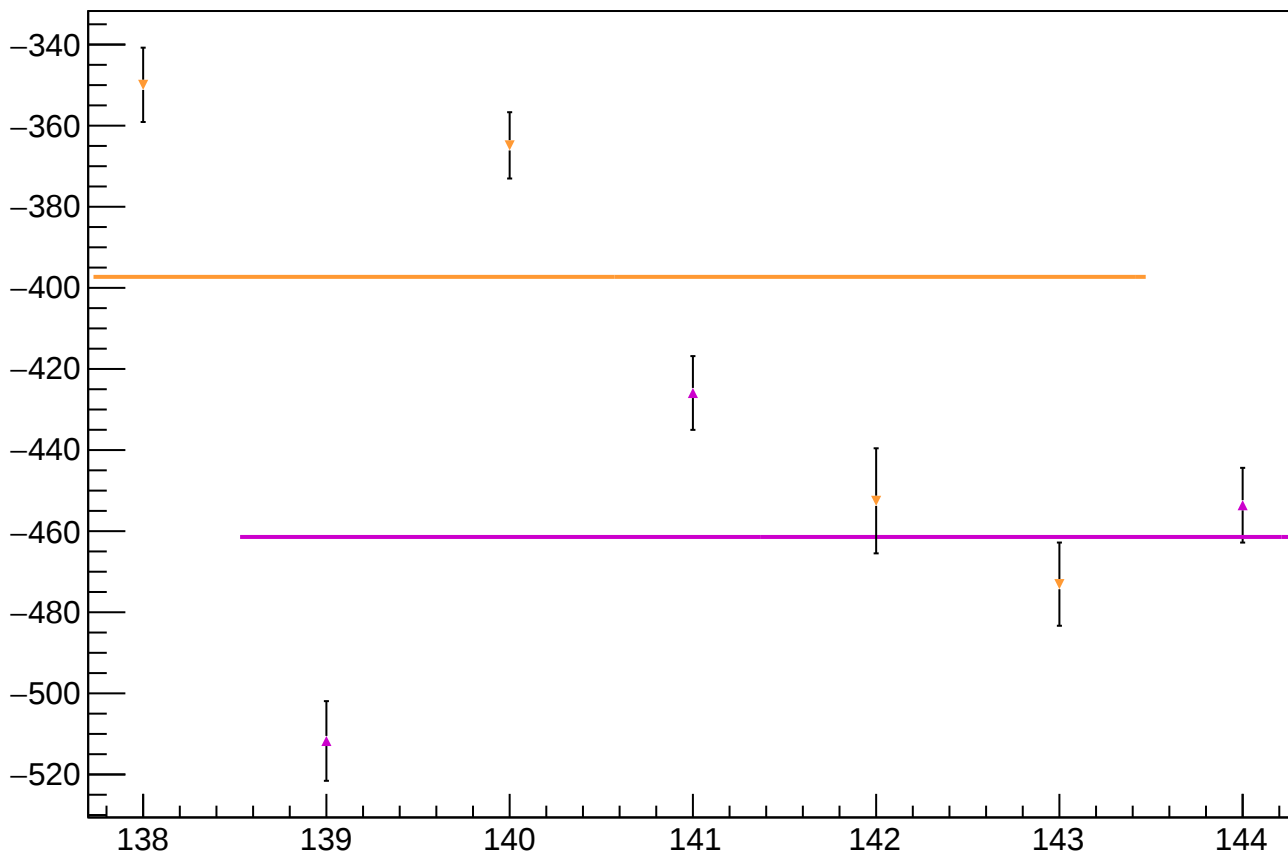
Left In: -38.414 ± 0.076 $\chi^2/\text{NDF}: 11567.4/2$

+ sign -28.496 ± 0.046 $\chi^2/\text{NDF}: 91456.8/20$

All: -27.116 ± 0.032 $\chi^2/\text{NDF}: 229425.0/42$

- sign -25.749 ± 0.046 $\chi^2/\text{NDF}: 136175.2/21$

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -397.287+/-4.861 χ^2/NDF : 115.2/3

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

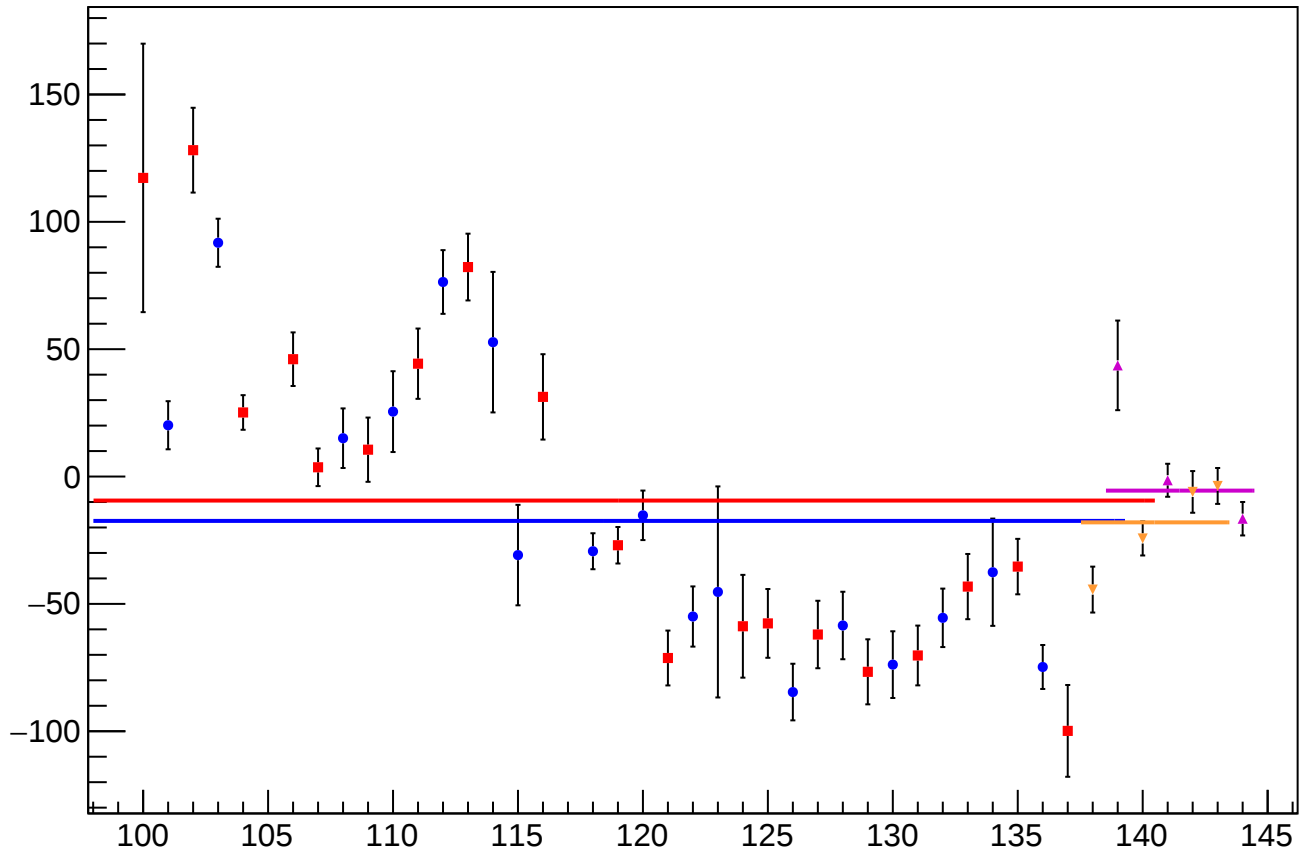
Left In: -461.428+/-5.405 χ^2/NDF : 42.2/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -425.967+/-3.614 χ^2/NDF : 235.2/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.419 ± 2.826 $\chi^2/\text{NDF}: 362.1/16$

Left Out: -17.991 ± 3.786 $\chi^2/\text{NDF}: 15.7/3$

Right Out: -9.431 ± 2.611 $\chi^2/\text{NDF}: 369.3/18$

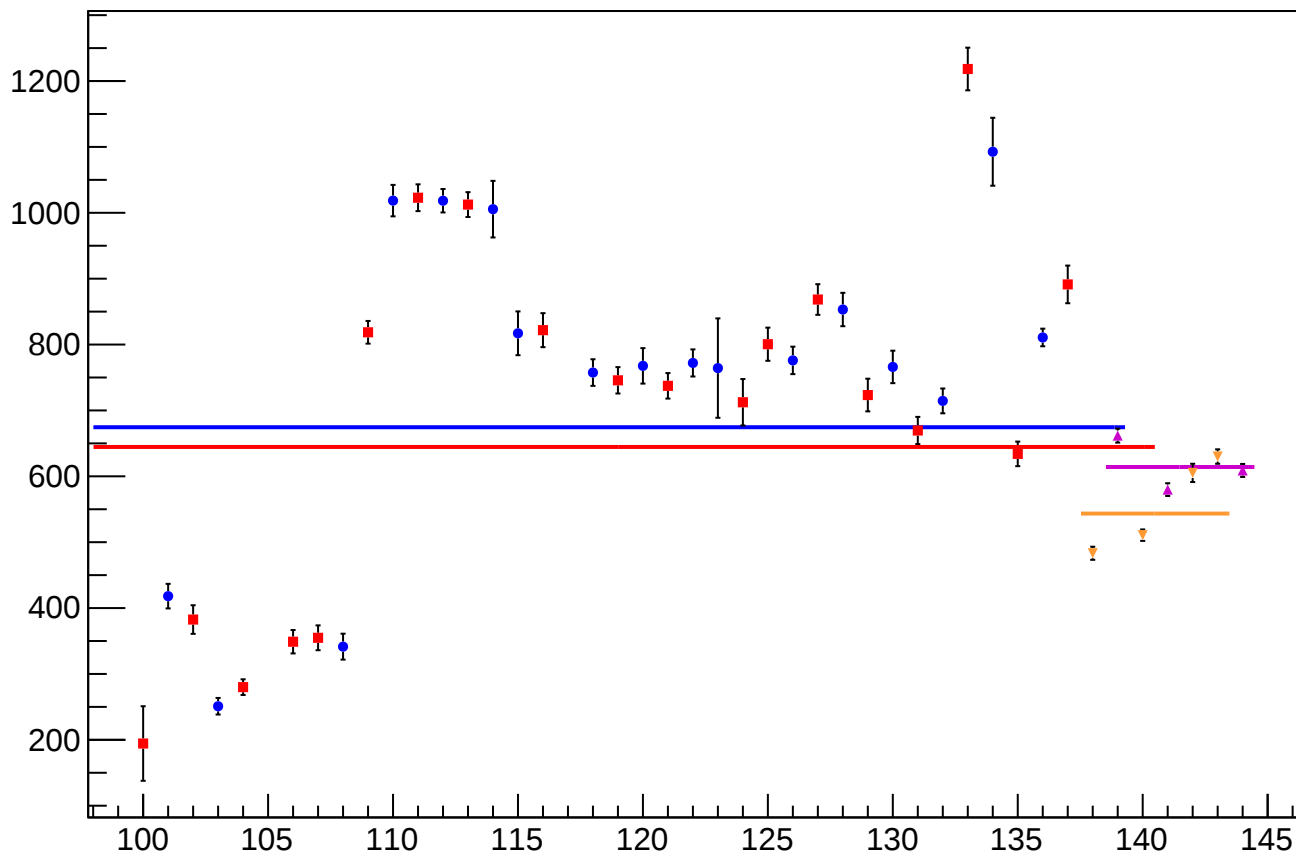
Left In: -5.529 ± 4.462 $\chi^2/\text{NDF}: 11.0/2$

+ sign -17.624 ± 2.265 $\chi^2/\text{NDF}: 377.8/20$

All: -13.008 ± 1.597 $\chi^2/\text{NDF}: 766.9/42$

- sign -8.435 ± 2.254 $\chi^2/\text{NDF}: 380.9/21$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 674.502 $\pm$ 5.076 χ^2 /NDF: 2580.6/16

Left Out: 543.446 $\pm$ 5.208 χ^2 /NDF:133.3/3

Right Out: 644.557 $\pm$ 4.767 χ^2 /NDF: 3120.1/18

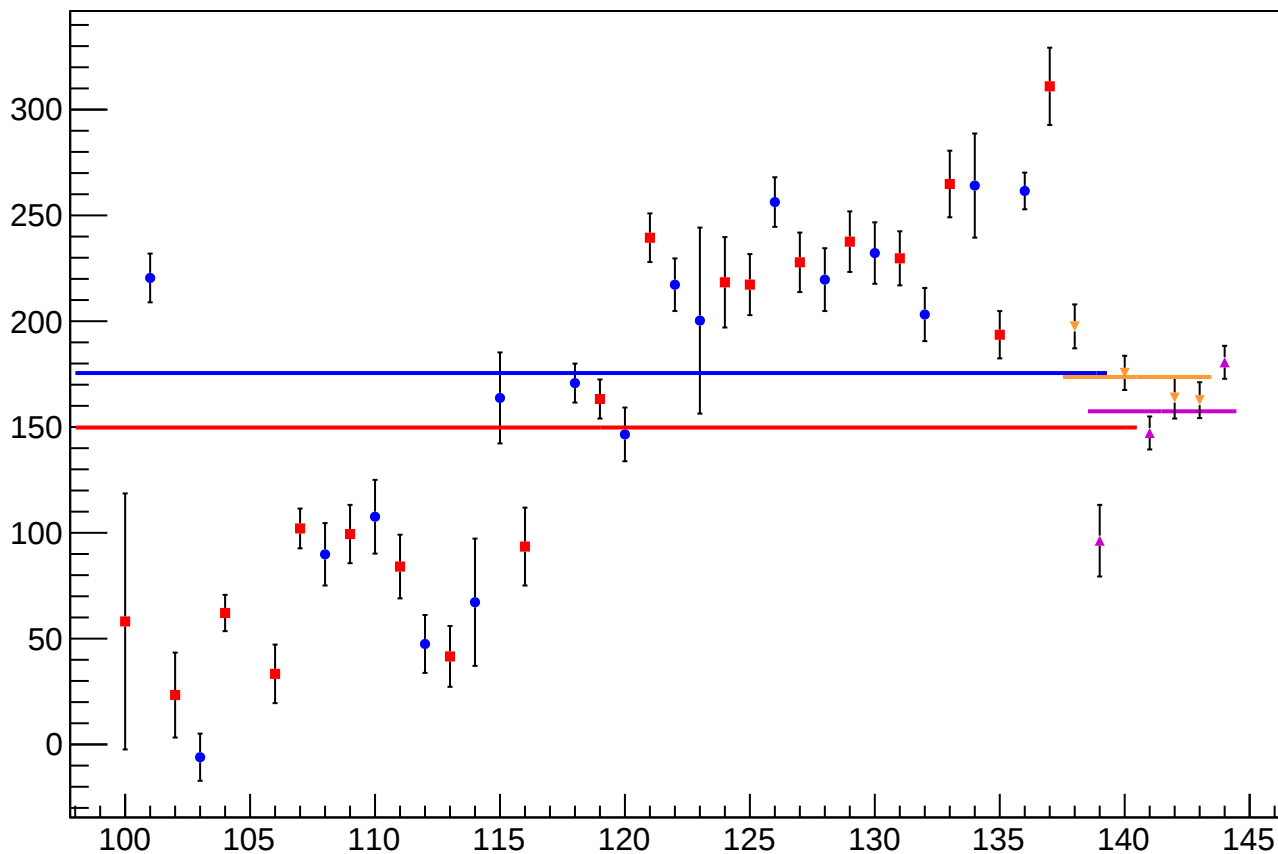
Left In: 614.141 $\pm$ 5.792 χ^2 /NDF:32.9/2

+ sign 610.645 $\pm$ 3.635 χ^2 /NDF: 3038.6/20

All: 621.324 $\pm$ 2.586 χ^2 /NDF: 6225.6/42

- sign 632.274 $\pm$ 3.681 χ^2 /NDF: 3169.5/21

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.509 $\pm$ 3.245 χ^2 /NDF: 635.4/16

Left Out: 173.647 $\pm$ 4.532 χ^2 /NDF: 8.0/3

Right Out: 149.769 $\pm$ 3.046 χ^2 /NDF: 691.2/18

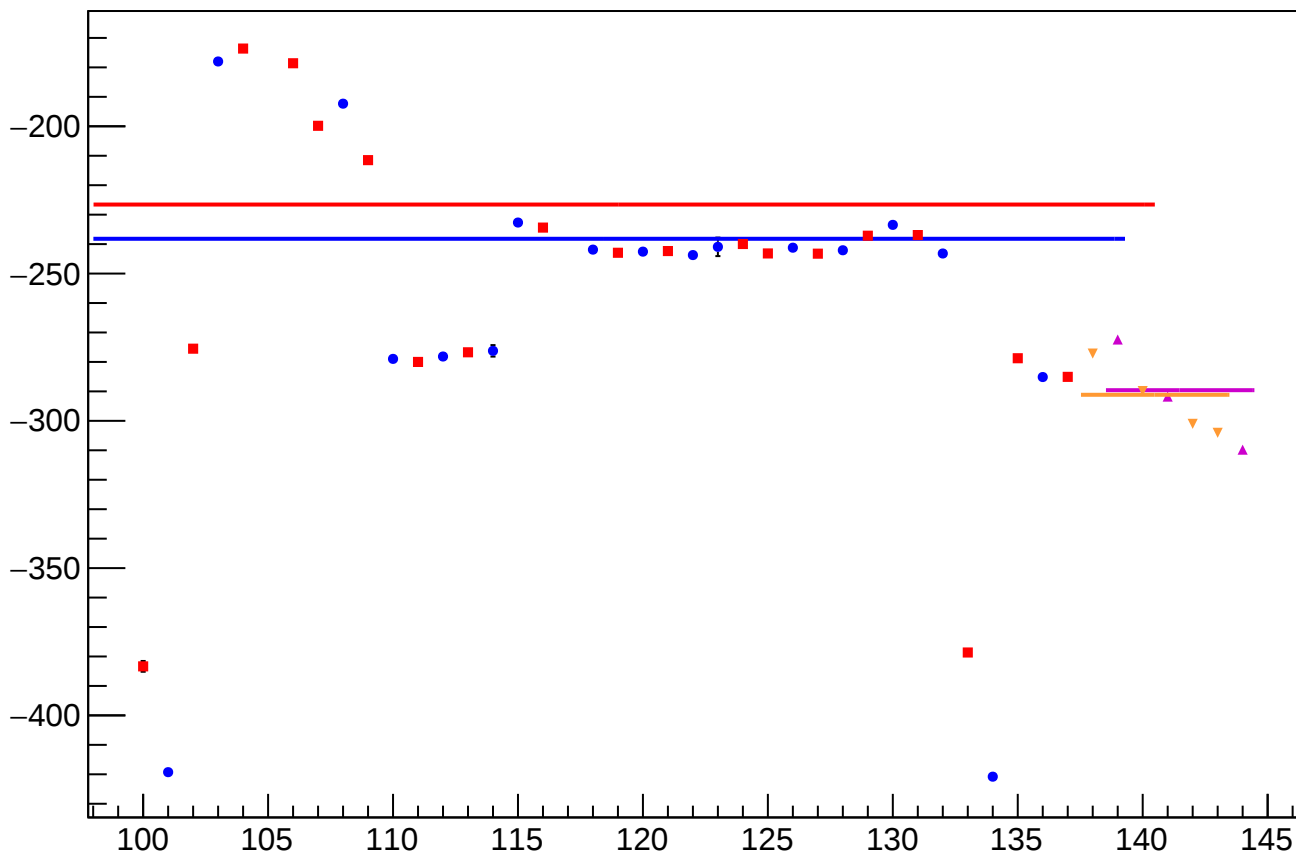
Left In: 157.425 $\pm$ 5.242 χ^2 /NDF: 23.6/2

+ sign 174.878 $\pm$ 2.639 χ^2 /NDF: 643.5/20

All: 163.268 $\pm$ 1.864 χ^2 /NDF: 1398.6/42

- sign 151.702 $\pm$ 2.634 χ^2 /NDF: 716.4/21

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.191 ± 0.161 χ^2/NDF : 167088.3/16

Left Out: -291.155 ± 0.215 χ^2/NDF : 2436.0/3

Right Out: -226.567 ± 0.151 χ^2/NDF : 102539.6/18

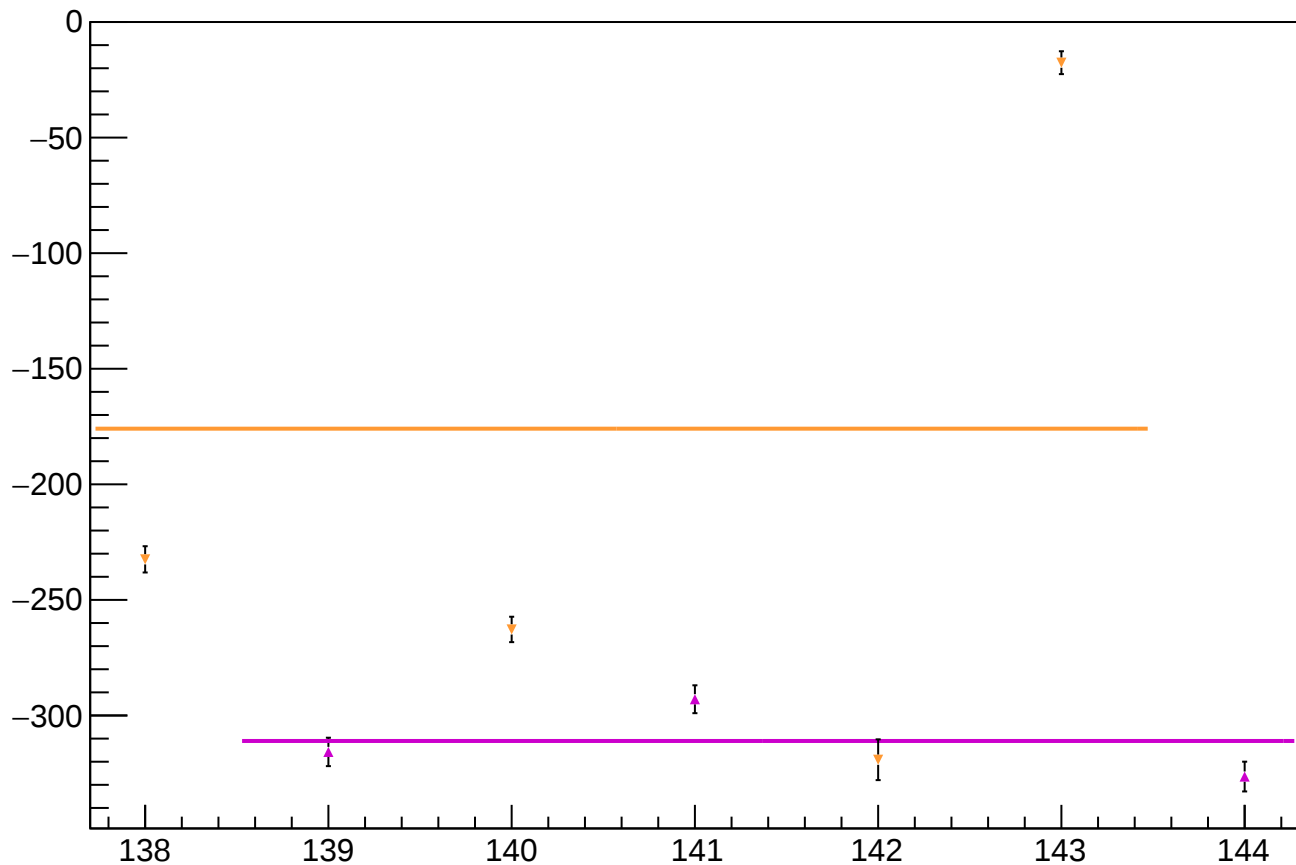
Left In: -289.593 ± 0.229 χ^2/NDF : 4346.1/2

+ sign -257.179 ± 0.129 χ^2/NDF : 208512.7/20

All: -251.337 ± 0.090 χ^2/NDF : 372128.1/42

- sign -245.709 ± 0.126 χ^2/NDF : 159566.4/21

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -175.921+/-2.913 χ^2/NDF : 1637.1/3

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

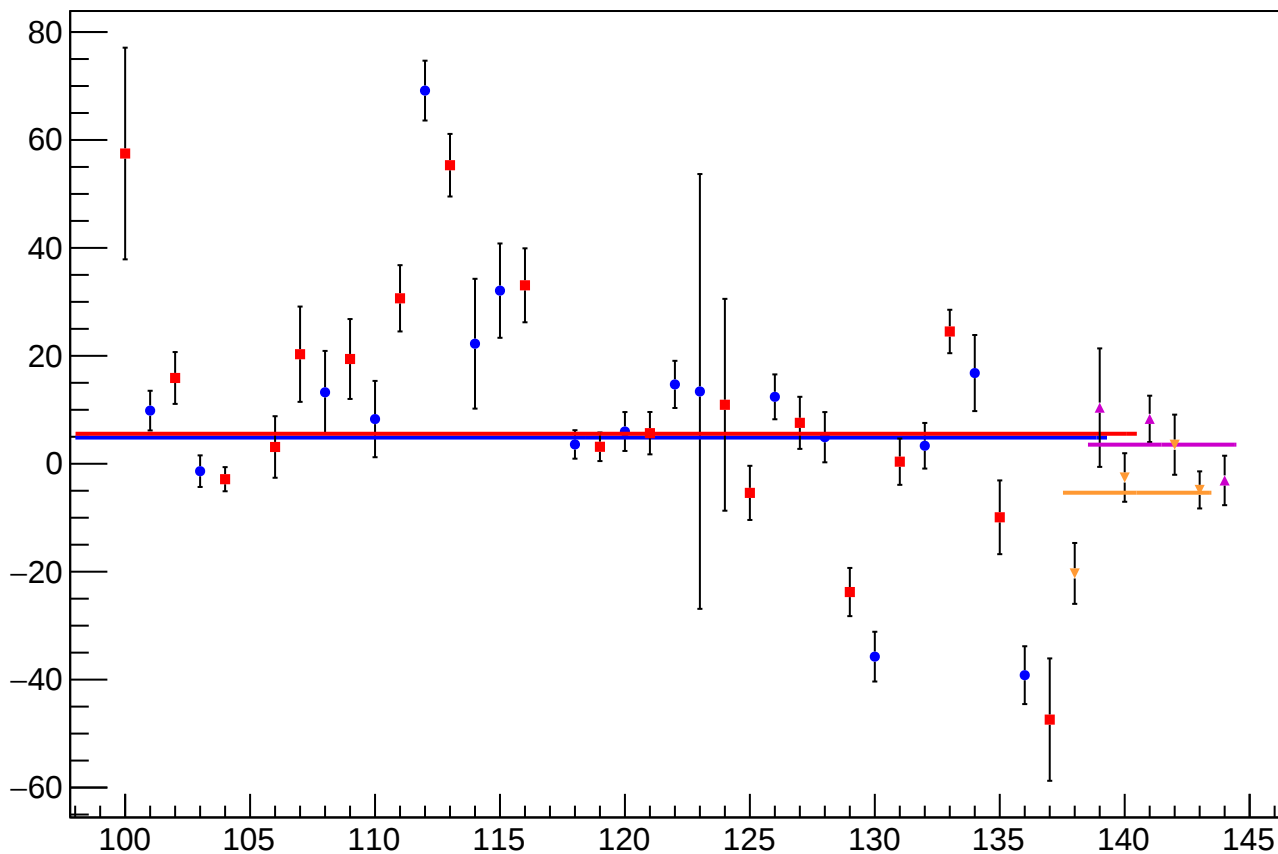
Left In: -311.029+/-3.579 χ^2/NDF : 15.3/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -229.766+/-2.259 χ^2/NDF : 2509.7/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.855 ± 1.107 χ^2/NDF : 310.9/16

Left Out: -5.366 ± 2.249 χ^2/NDF : 10.0/3

Right Out: 5.561 ± 1.070 χ^2/NDF : 238.3/18

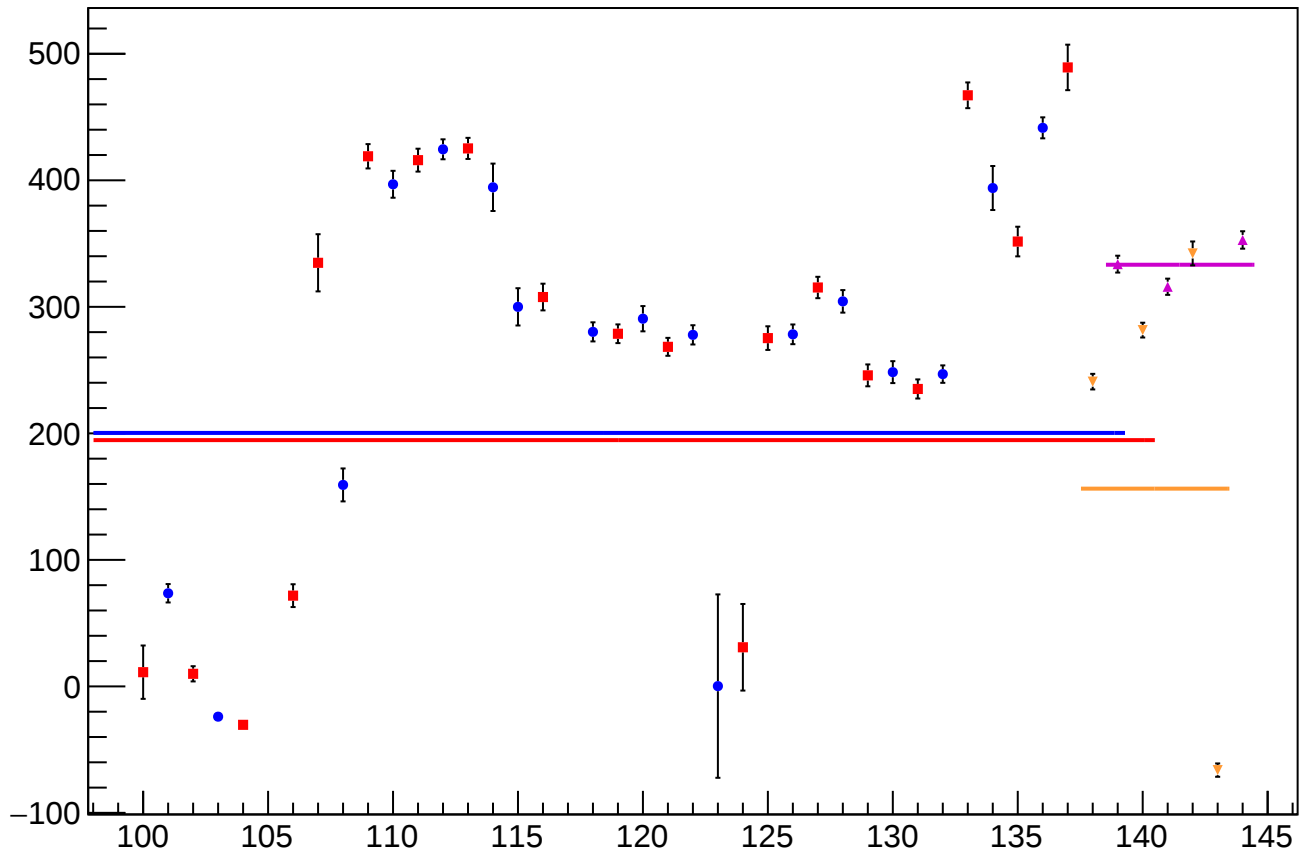
Left In: 3.539 ± 3.014 χ^2/NDF : 3.7/2

+ sign 2.861 ± 0.993 χ^2/NDF : 337.5/20

All: 4.079 ± 0.708 χ^2/NDF : 583.0/42

- sign 5.334 ± 1.008 χ^2/NDF : 242.4/21

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.347 $\pm$ 1.987 χ^2 /NDF: 6717.6/16

Left Out: 156.307 $\pm$ 3.121 χ^2 /NDF:2810.1/3

Right Out: 194.656 $\pm$ 1.927 χ^2 /NDF: 8242.8/18

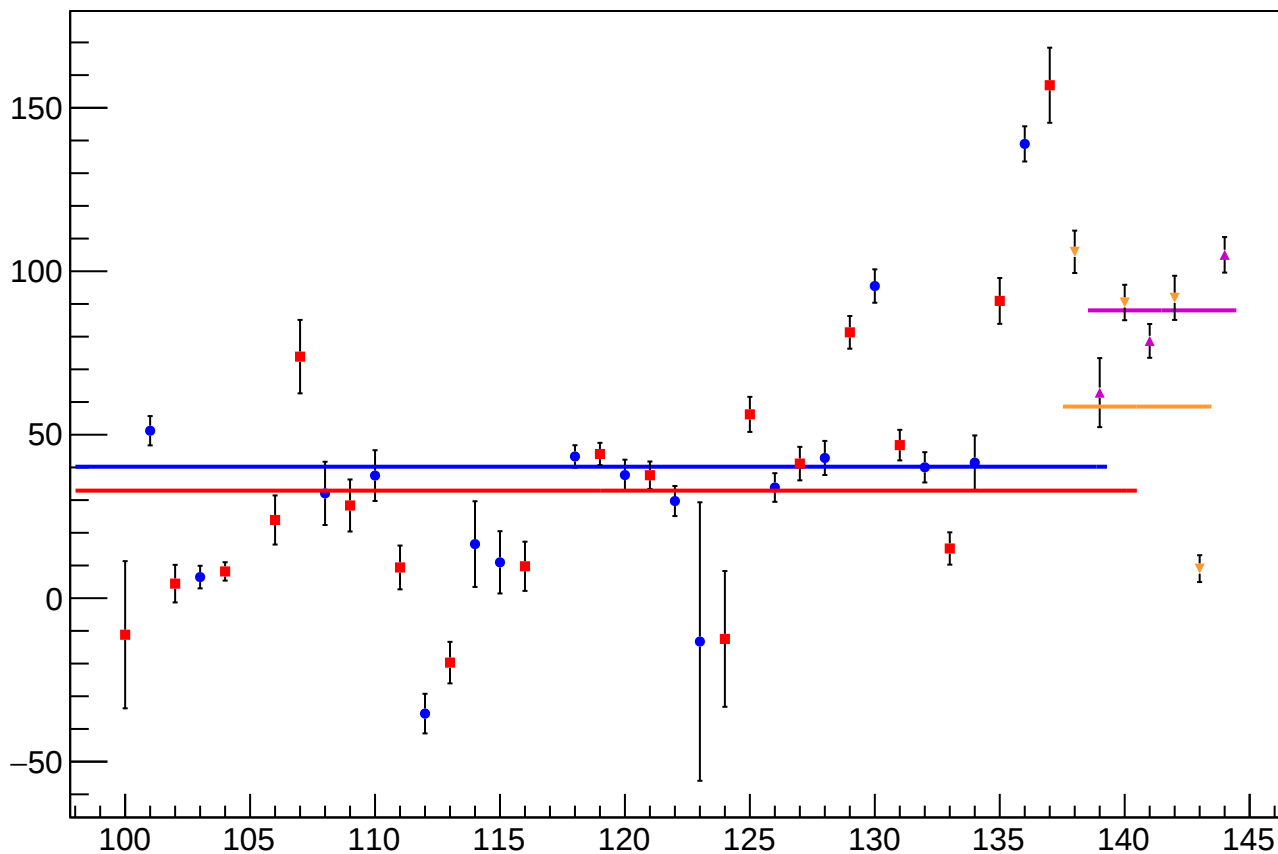
Left In: 333.278 $\pm$ 3.837 χ^2 /NDF:15.4/2

+ sign 187.648 $\pm$ 1.676 χ^2 /NDF: 9669.3/20

All: 204.636 $\pm$ 1.201 χ^2 /NDF: 19181.2/42

- sign 222.570 $\pm$ 1.722 χ^2 /NDF: 9300.6/21

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.214 $\pm$ 1.286 χ^2 /NDF: 733.9/16

Left Out: 58.613 $\pm$ 2.683 χ^2 /NDF: 257.6/3

Right Out: 32.898 $\pm$ 1.252 χ^2 /NDF: 549.8/18

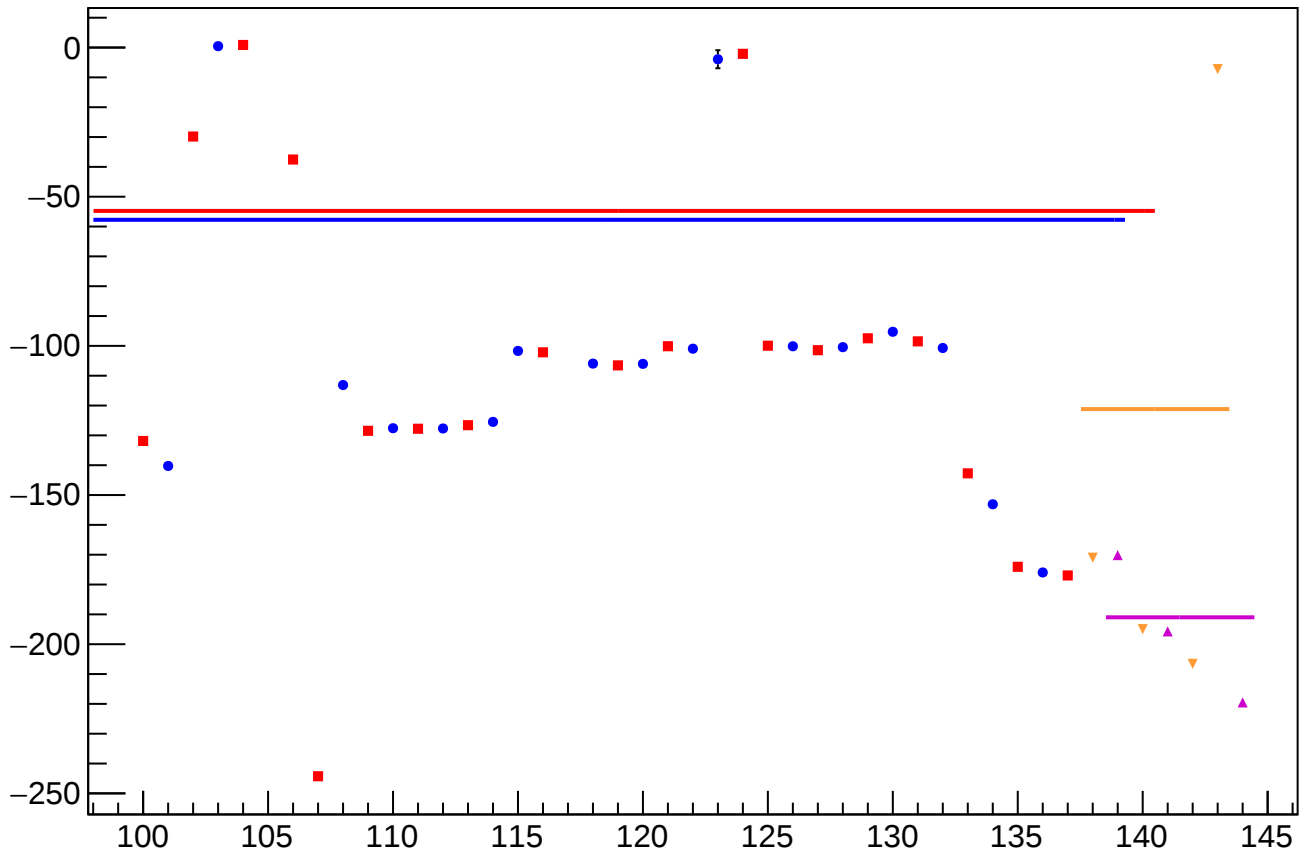
Left In: 88.039 $\pm$ 3.532 χ^2 /NDF: 18.7/2

+ sign 43.651 $\pm$ 1.159 χ^2 /NDF: 1029.7/20

All: 41.394 $\pm$ 0.827 χ^2 /NDF: 1822.4/42

- sign 39.055 $\pm$ 1.180 χ^2 /NDF: 784.9/21

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.743 ± 0.062 $\chi^2/\text{NDF}: 1100251.3/16$

Left Out: -121.188 ± 0.128 $\chi^2/\text{NDF}: 466648.1/3$

Right Out: -54.758 ± 0.060 $\chi^2/\text{NDF}: 999720.2/18$

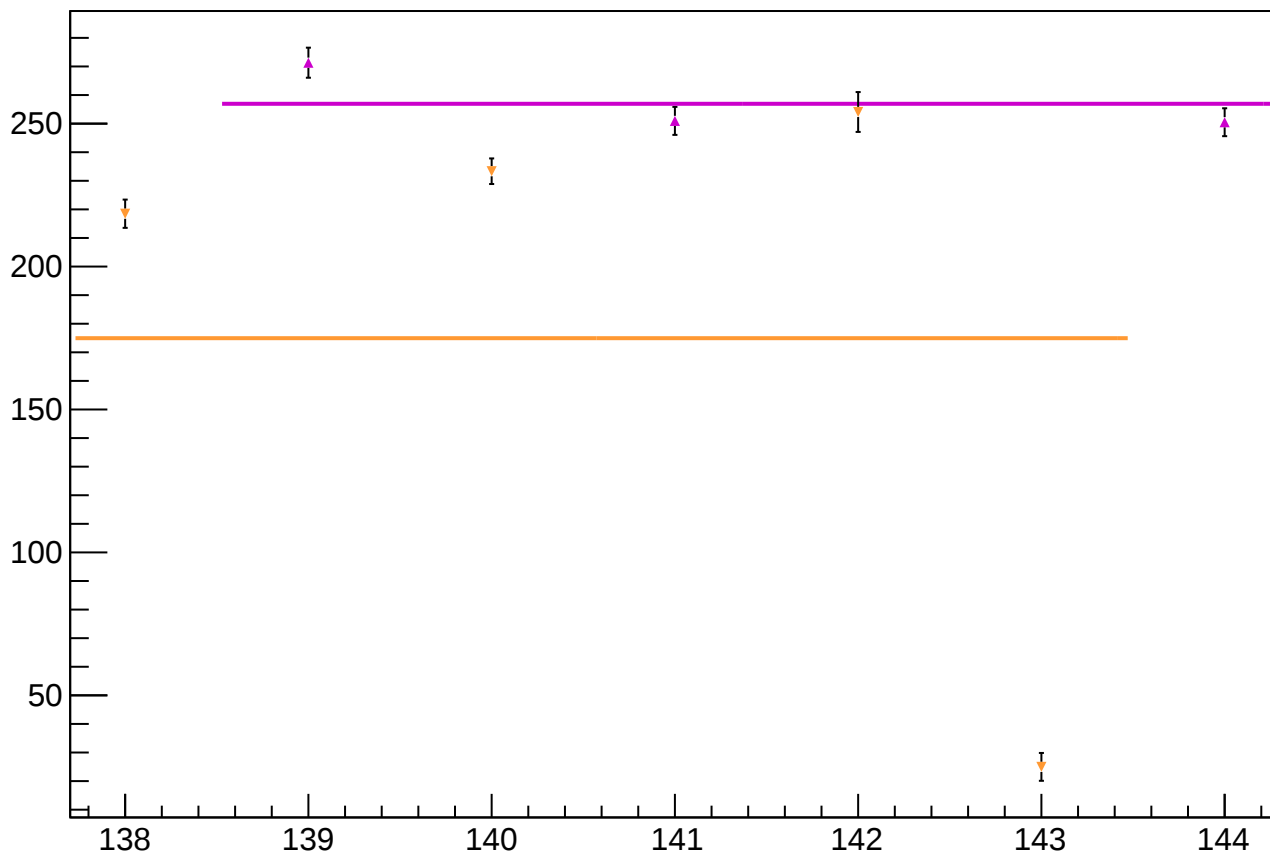
Left In: -190.985 ± 0.150 $\chi^2/\text{NDF}: 17251.8/2$

+ sign -69.811 ± 0.056 $\chi^2/\text{NDF}: 1767128.1/20$

All: -71.692 ± 0.039 $\chi^2/\text{NDF}: 3492659.4/42$

- sign -73.595 ± 0.056 $\chi^2/\text{NDF}: 1723231.7/21$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 174.944+/-2.552 χ^2/NDF :1324.8/3

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

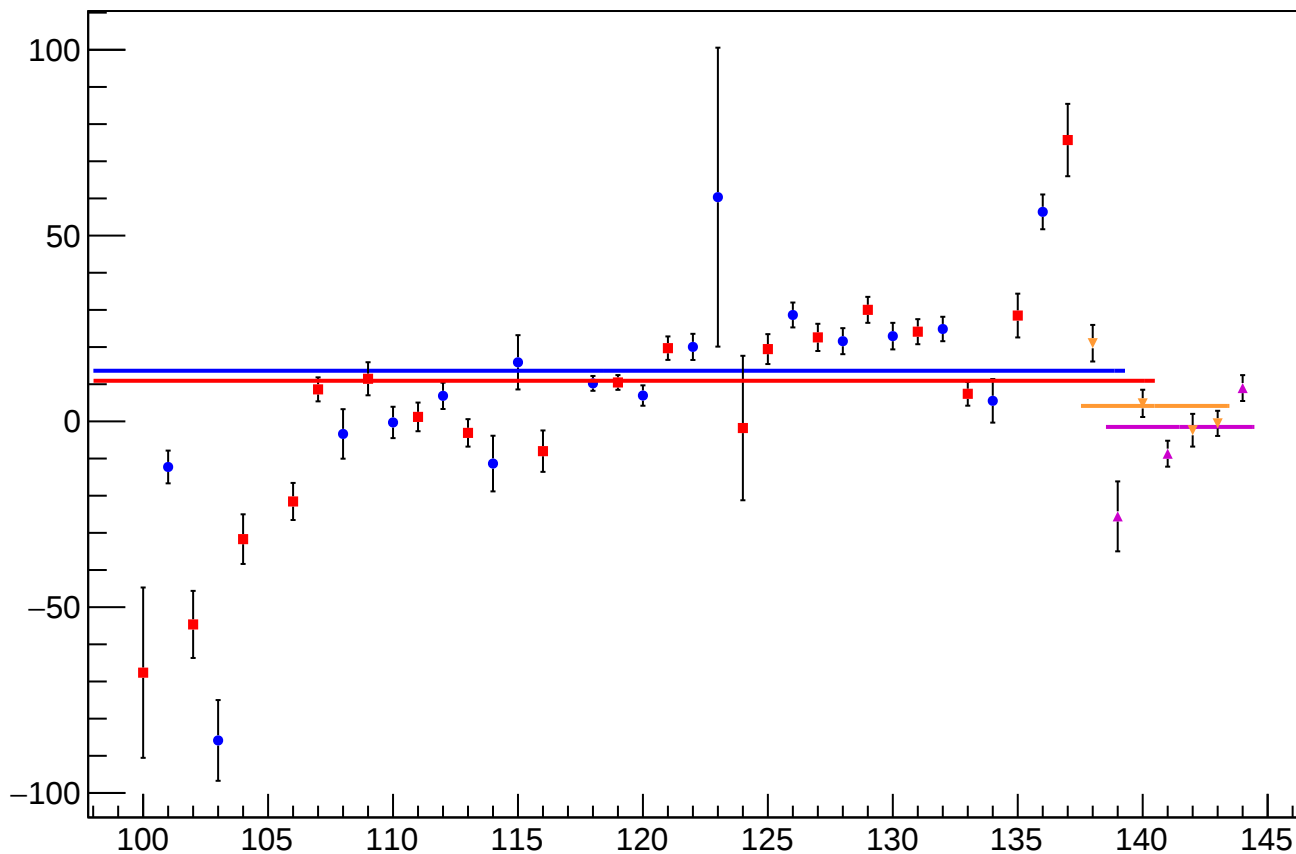
Left In: 256.940+/-2.889 χ^2/NDF :10.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 210.886+/-1.913 χ^2/NDF : 1787.9/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.625 ± 0.938 $\chi^2/\text{NDF}: 293.3/16$

Left Out: 4.161 ± 1.982 $\chi^2/\text{NDF}: 15.9/3$

Right Out: 10.927 ± 0.915 $\chi^2/\text{NDF}: 302.8/18$

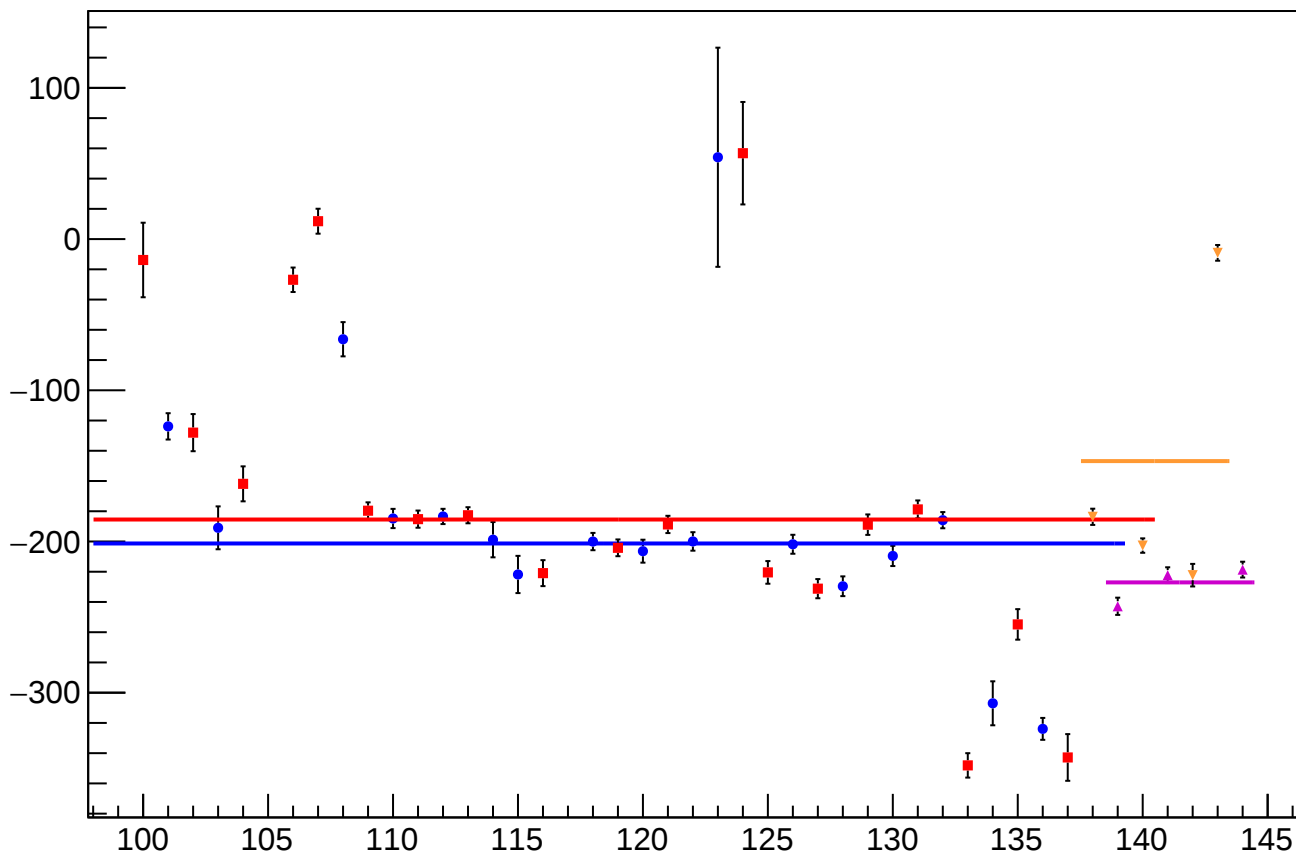
Left In: -1.492 ± 2.385 $\chi^2/\text{NDF}: 19.8/2$

+ sign 11.894 ± 0.848 $\chi^2/\text{NDF}: 327.8/20$

All: 10.623 ± 0.602 $\chi^2/\text{NDF}: 678.6/42$

- sign 9.334 ± 0.854 $\chi^2/\text{NDF}: 346.3/21$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.316 ± 1.800 $\chi^2/\text{NDF}: 624.9/16$

Left Out: -146.832 ± 2.734 $\chi^2/\text{NDF}: 988.5/3$

Right Out: -185.469 ± 1.703 $\chi^2/\text{NDF}: 1745.0/18$

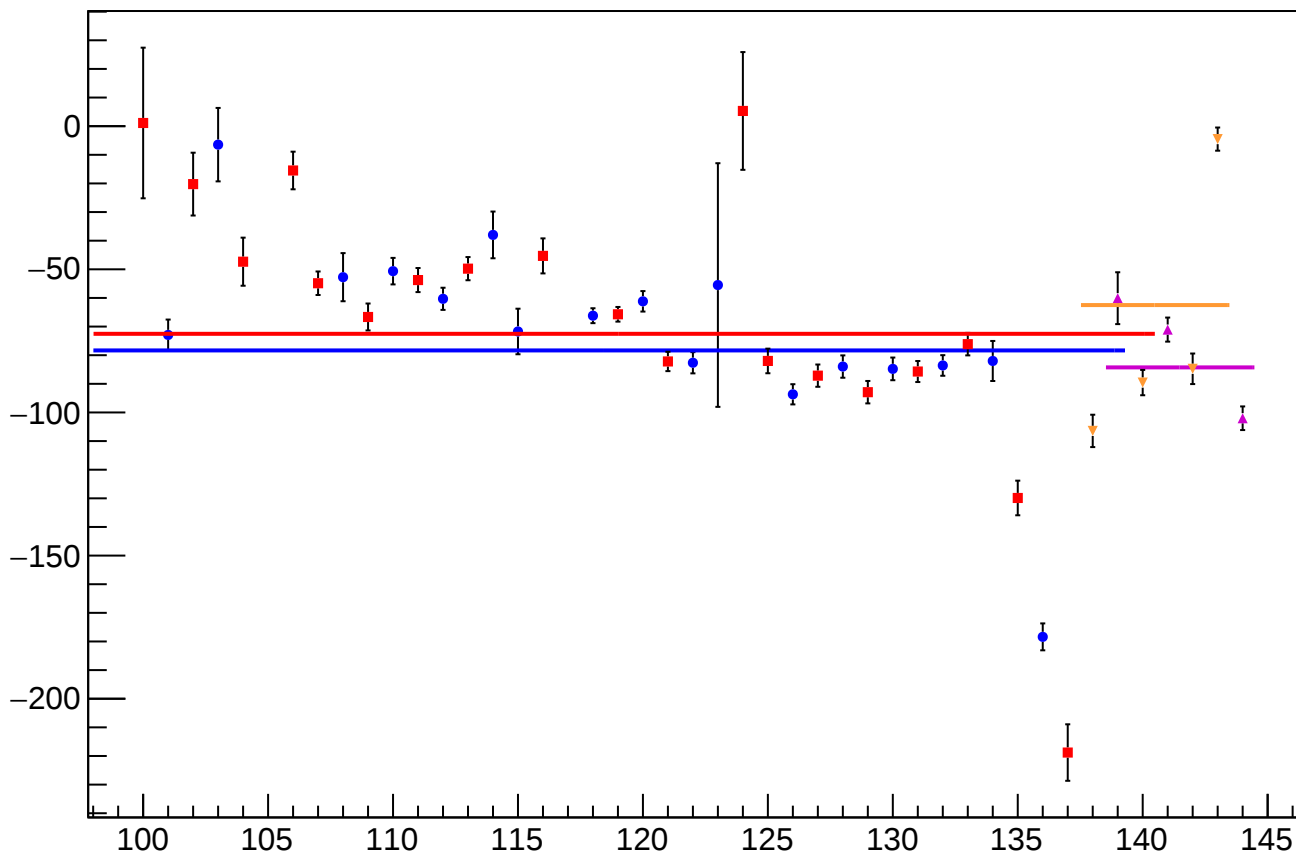
Left In: -227.056 ± 3.096 $\chi^2/\text{NDF}: 11.1/2$

+ sign -184.848 ± 1.503 $\chi^2/\text{NDF}: 1890.4/20$

All: -190.026 ± 1.059 $\chi^2/\text{NDF}: 3808.6/42$

- sign -195.125 ± 1.492 $\chi^2/\text{NDF}: 1894.7/21$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.334 ± 1.084 χ^2/NDF : 649.9/16

Left Out: -62.490 ± 2.366 χ^2/NDF : 320.8/3

Right Out: -72.531 ± 1.054 χ^2/NDF : 605.5/18

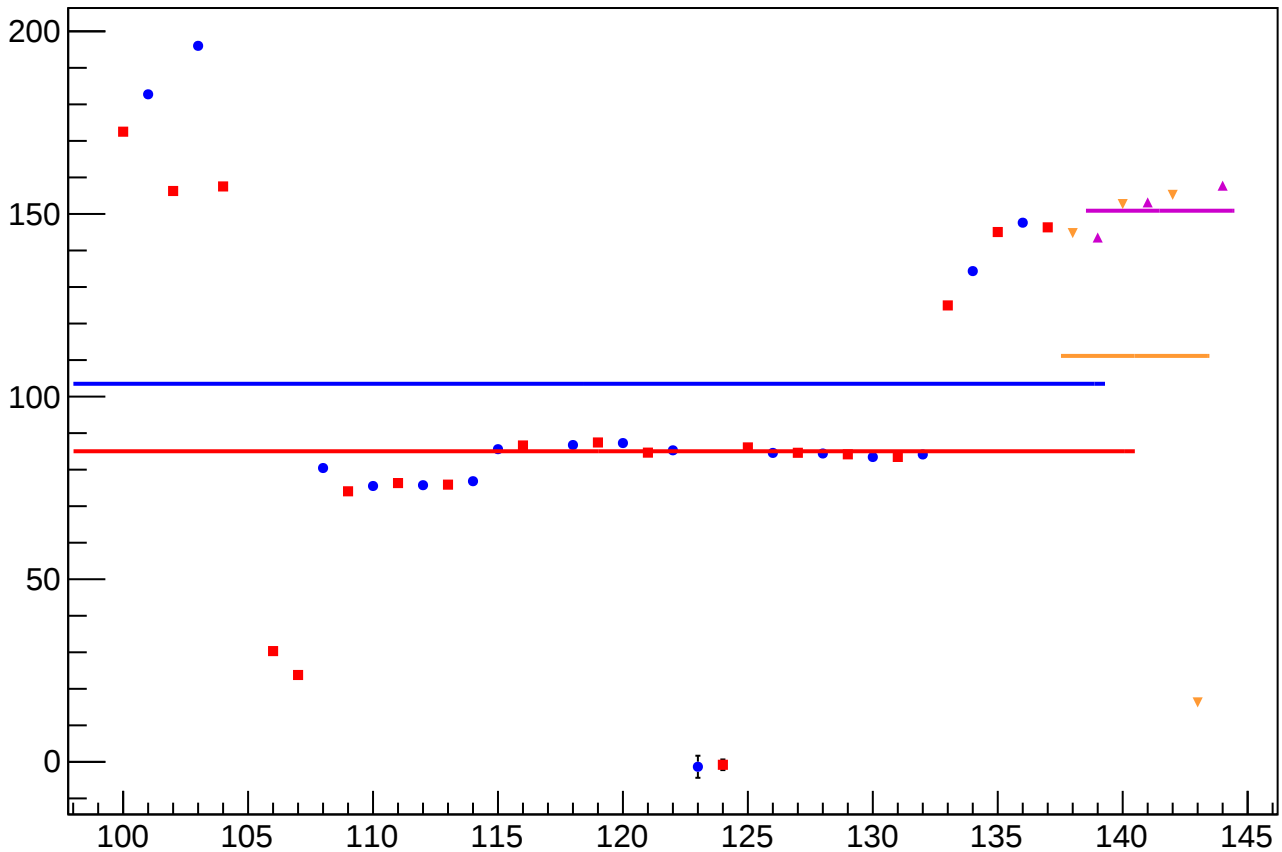
Left In: -84.262 ± 2.800 χ^2/NDF : 35.5/2

+ sign -75.585 ± 0.985 χ^2/NDF : 1007.7/20

All: -74.786 ± 0.697 χ^2/NDF : 1665.4/42

- sign -73.986 ± 0.986 χ^2/NDF : 656.4/21

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.509 $\pm$ 0.071 χ^2/NDF : 272499.7/16

Left Out: 111.140 $\pm$ 0.112 χ^2/NDF : 294656.4/3

Right Out: 85.036 $\pm$ 0.064 χ^2/NDF : 422344.8/18

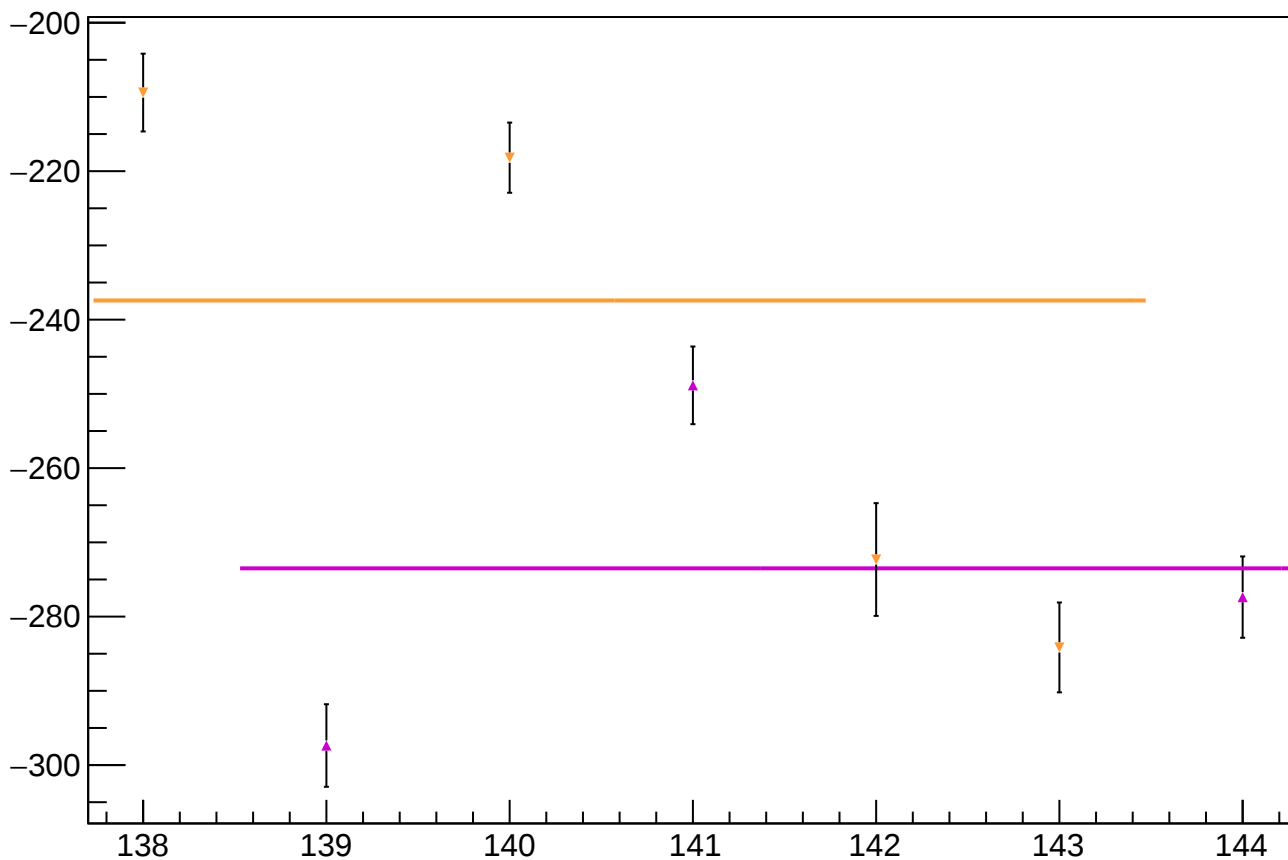
Left In: 150.888 $\pm$ 0.122 χ^2/NDF : 2363.1/2

+ sign 105.693 $\pm$ 0.060 χ^2/NDF : 570460.5/20

All: 102.206 $\pm$ 0.041 χ^2/NDF : 1228895.0/42

- sign 99.103 $\pm$ 0.057 χ^2/NDF : 652052.2/21

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -237.415+/-2.819 χ^2/NDF :125.9/3

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

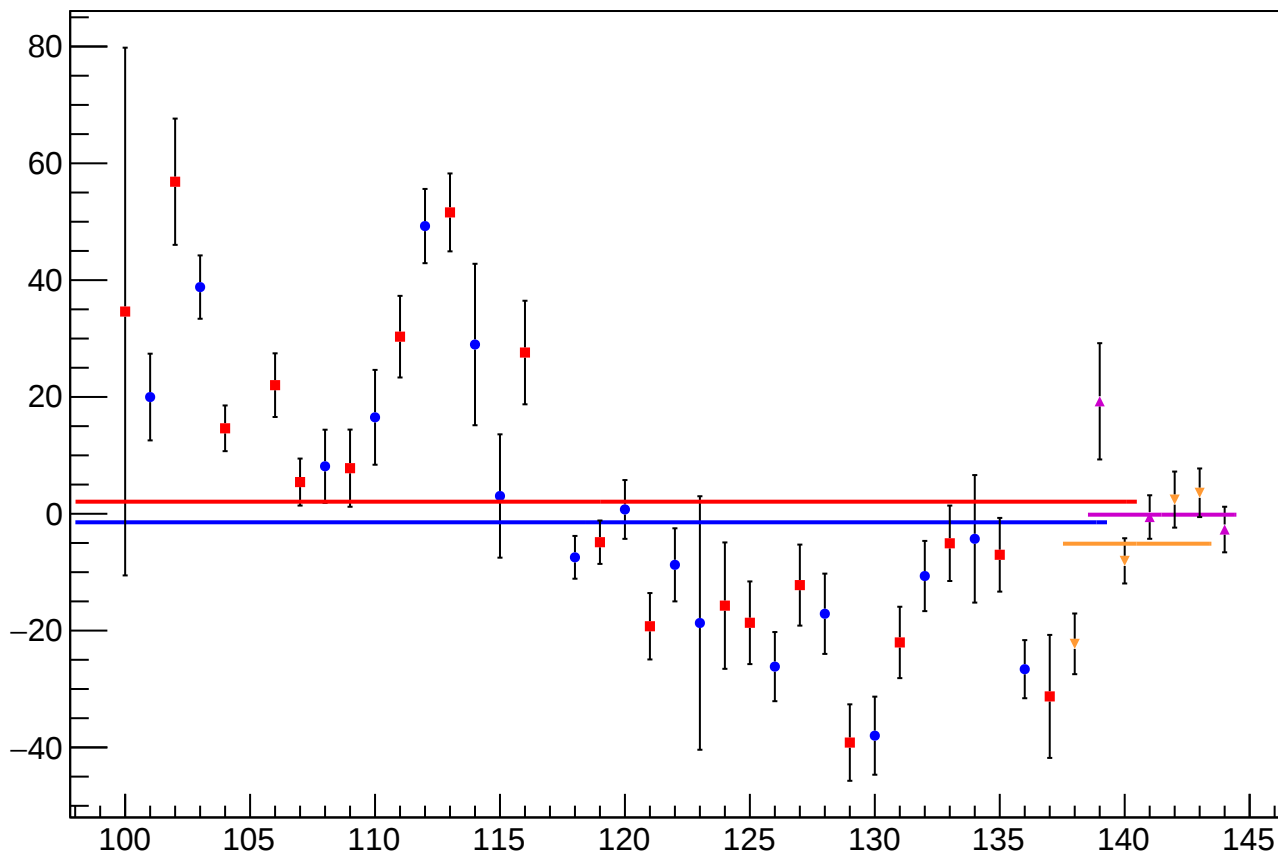
Left In: -273.500+/-3.128 χ^2/NDF :41.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -253.586+/-2.094 χ^2/NDF : 240.5/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.459 ± 1.539 χ^2/NDF : 224.8/16

Left Out: -5.123 ± 2.209 χ^2/NDF : 18.3/3

Right Out: 2.070 ± 1.401 χ^2/NDF : 232.8/18

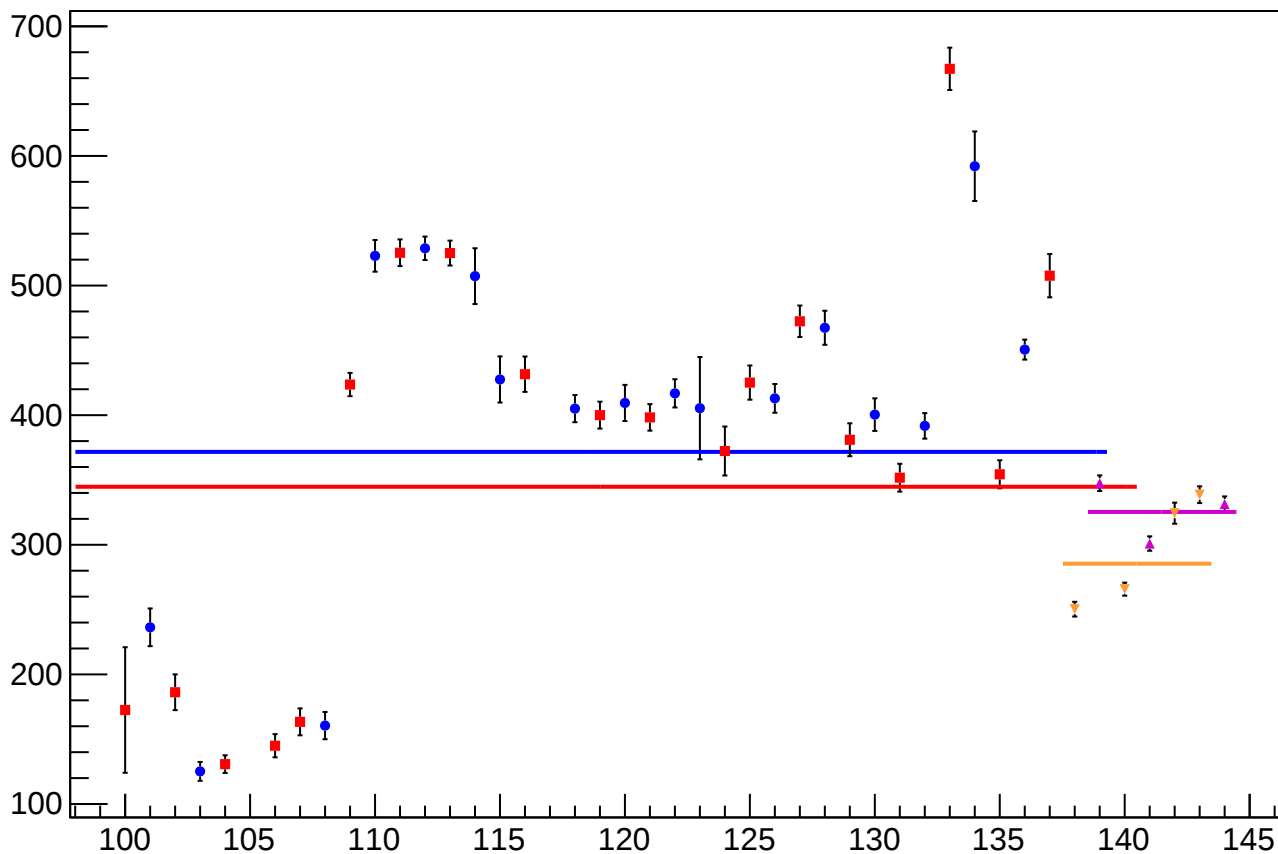
Left In: -0.156 ± 2.602 χ^2/NDF : 4.2/2

+ sign -2.656 ± 1.263 χ^2/NDF : 244.9/20

All: -0.494 ± 0.882 χ^2/NDF : 488.3/42

- sign 1.569 ± 1.234 χ^2/NDF : 237.6/21

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.672 $\pm$ 2.783 χ^2 /NDF: 2430.1/16

Left Out: 285.432 $\pm$ 3.020 χ^2 /NDF:144.4/3

Right Out: 344.775 $\pm$ 2.565 χ^2 /NDF: 3412.6/18

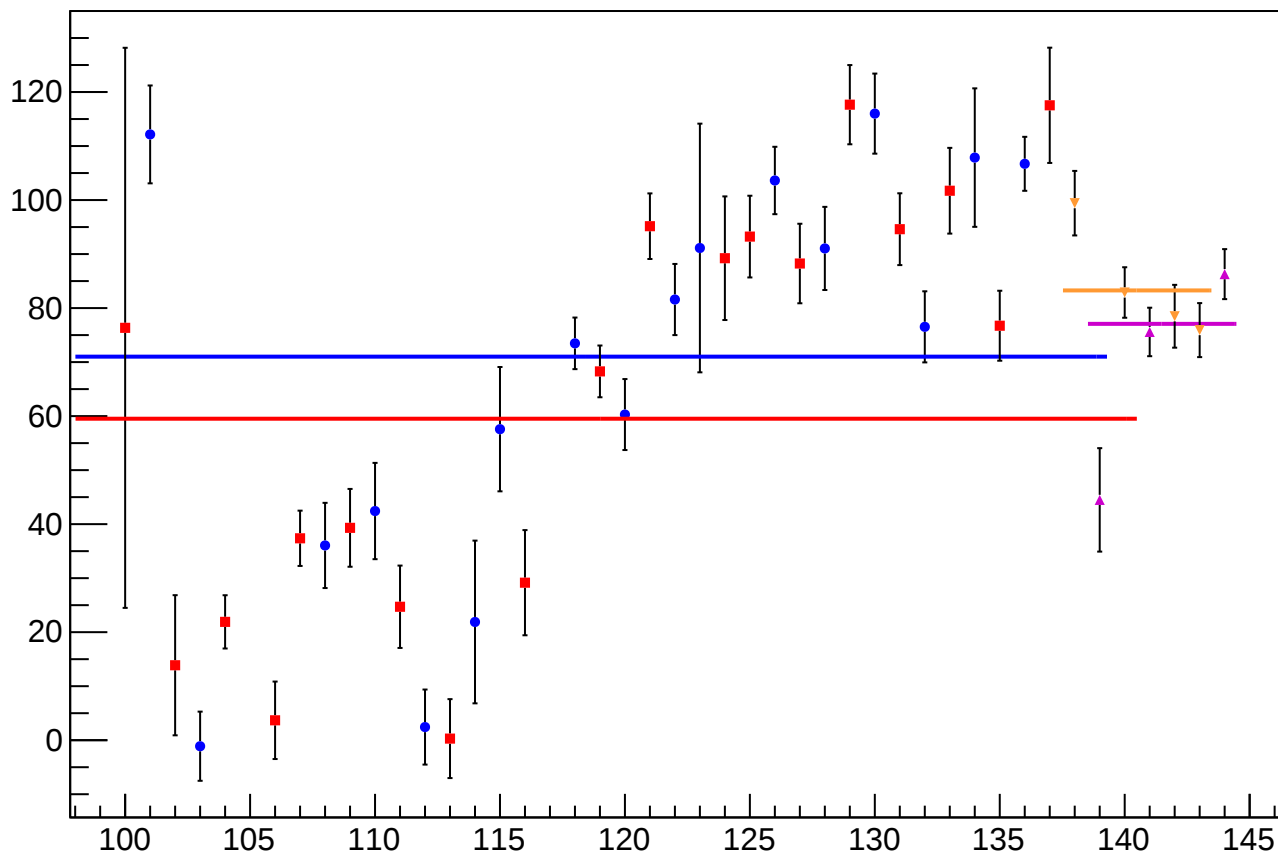
Left In: 325.338 $\pm$ 3.352 χ^2 /NDF:33.9/2

+ sign 332.071 $\pm$ 2.047 χ^2 /NDF: 3015.3/20

All: 334.846 $\pm$ 1.444 χ^2 /NDF: 6486.7/42

- sign 337.596 $\pm$ 2.037 χ^2 /NDF: 3467.7/21

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.009 $\pm$ 1.768 χ^2 /NDF: 424.1/16

Left Out: 83.268 $\pm$ 2.641 χ^2 /NDF:10.2/3

Right Out: 59.517 $\pm$ 1.633 χ^2 /NDF: 489.4/18

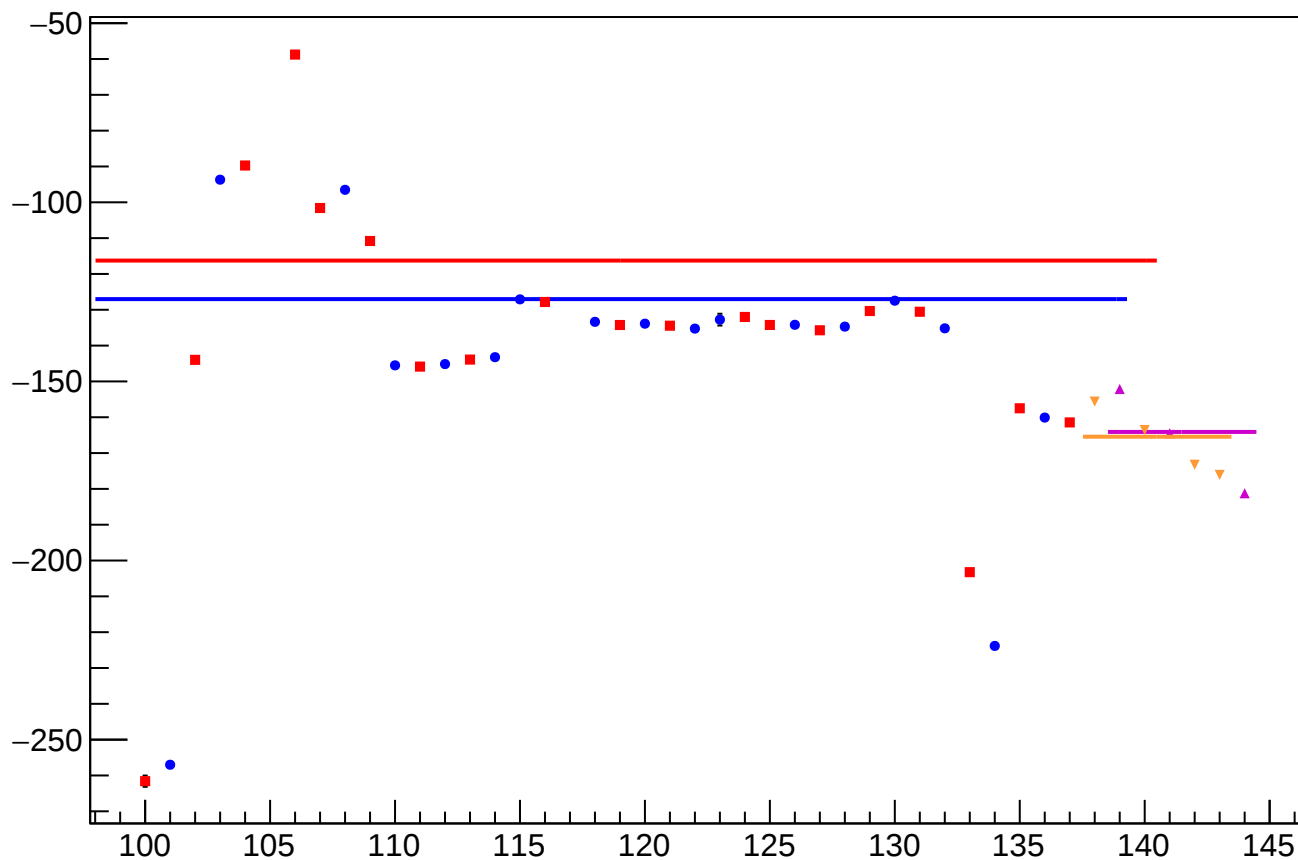
Left In: 77.079 $\pm$ 3.054 χ^2 /NDF:15.6/2

+ sign 74.803 $\pm$ 1.469 χ^2 /NDF: 449.2/20

All: 69.000 $\pm$ 1.029 χ^2 /NDF: 1010.5/42

- sign 63.424 $\pm$ 1.440 χ^2 /NDF: 530.8/21

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.024 $\pm$ 0.090 χ^2 /NDF: 166974.0/16

Left Out: -165.437 $\pm$ 0.125 χ^2 /NDF: 4218.8/3

Right Out: -116.264 $\pm$ 0.083 χ^2 /NDF: 167018.1/18

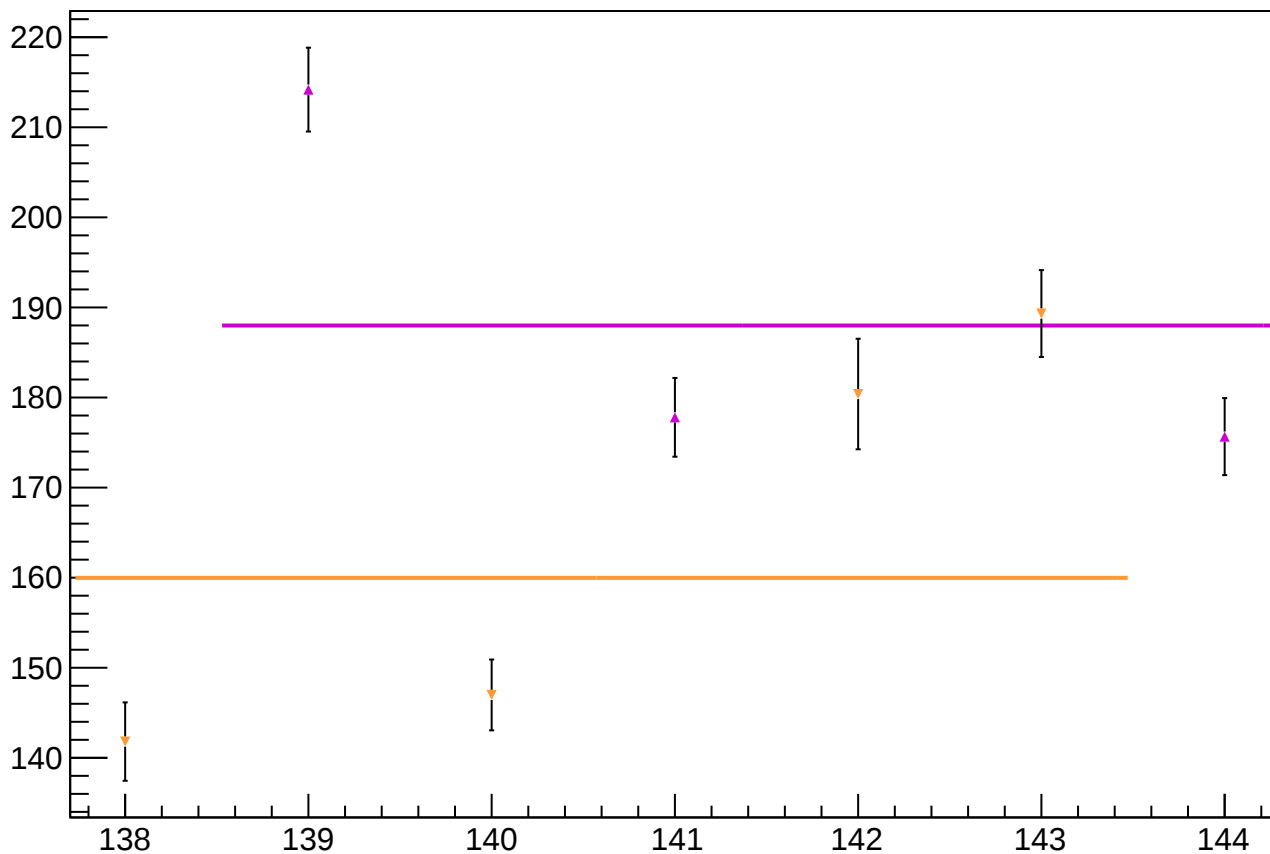
Left In: -164.100 $\pm$ 0.132 χ^2 /NDF: 7670.5/2

+ sign -140.179 $\pm$ 0.073 χ^2 /NDF: 233753.6/20

All: -134.805 $\pm$ 0.051 χ^2 /NDF: 512860.4/42

- sign -129.803 $\pm$ 0.070 χ^2 /NDF: 268609.9/21

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 159.981+/-2.312 χ^2/NDF : 76.4/3

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

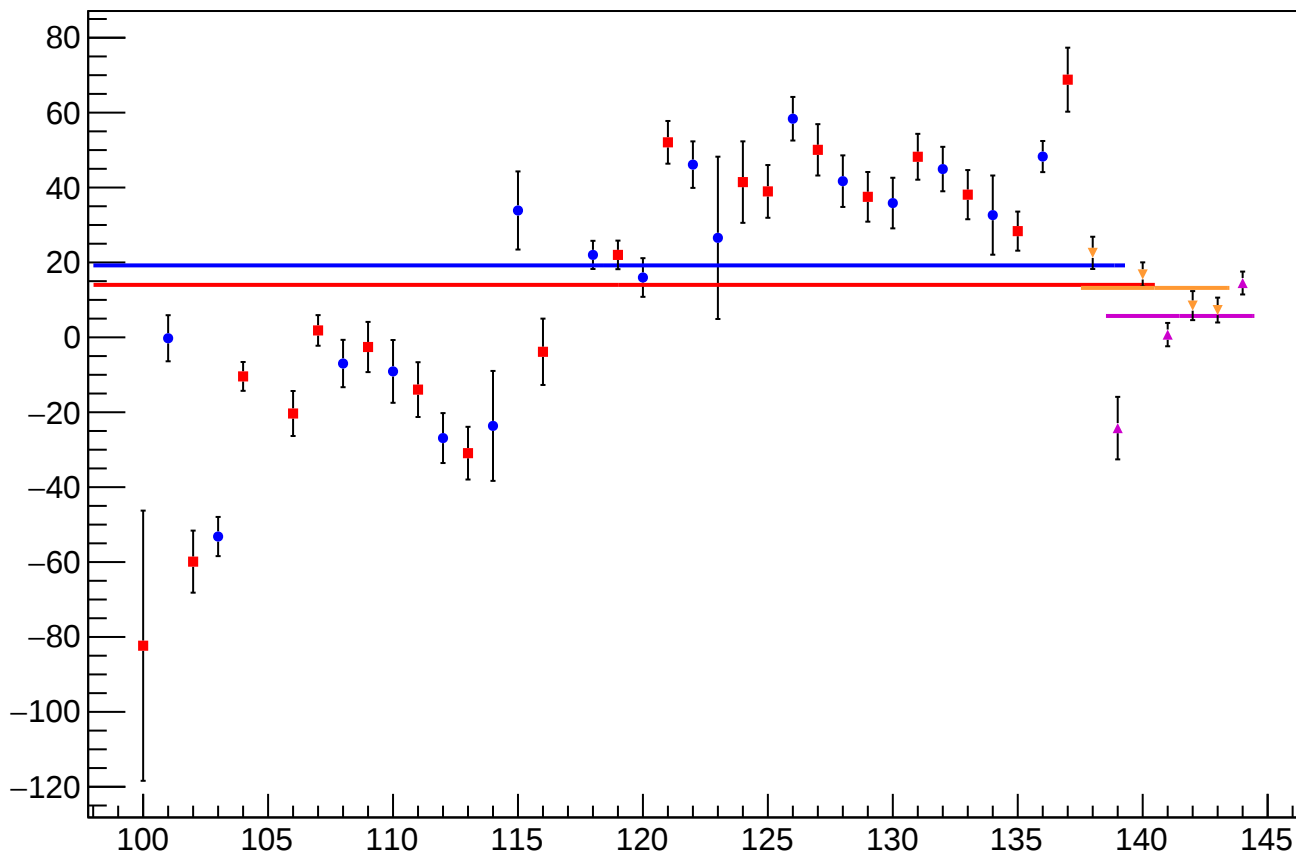
Left In: 187.993+/-2.555 χ^2/NDF : 45.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 172.591+/-1.715 χ^2/NDF : 187.8/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.211 $\pm$ 1.503 χ^2 /NDF: 439.4/16

Left Out: 13.202 $\pm$ 1.804 χ^2 /NDF:10.6/3

Right Out: 14.009 $\pm$ 1.391 χ^2 /NDF: 435.5/18

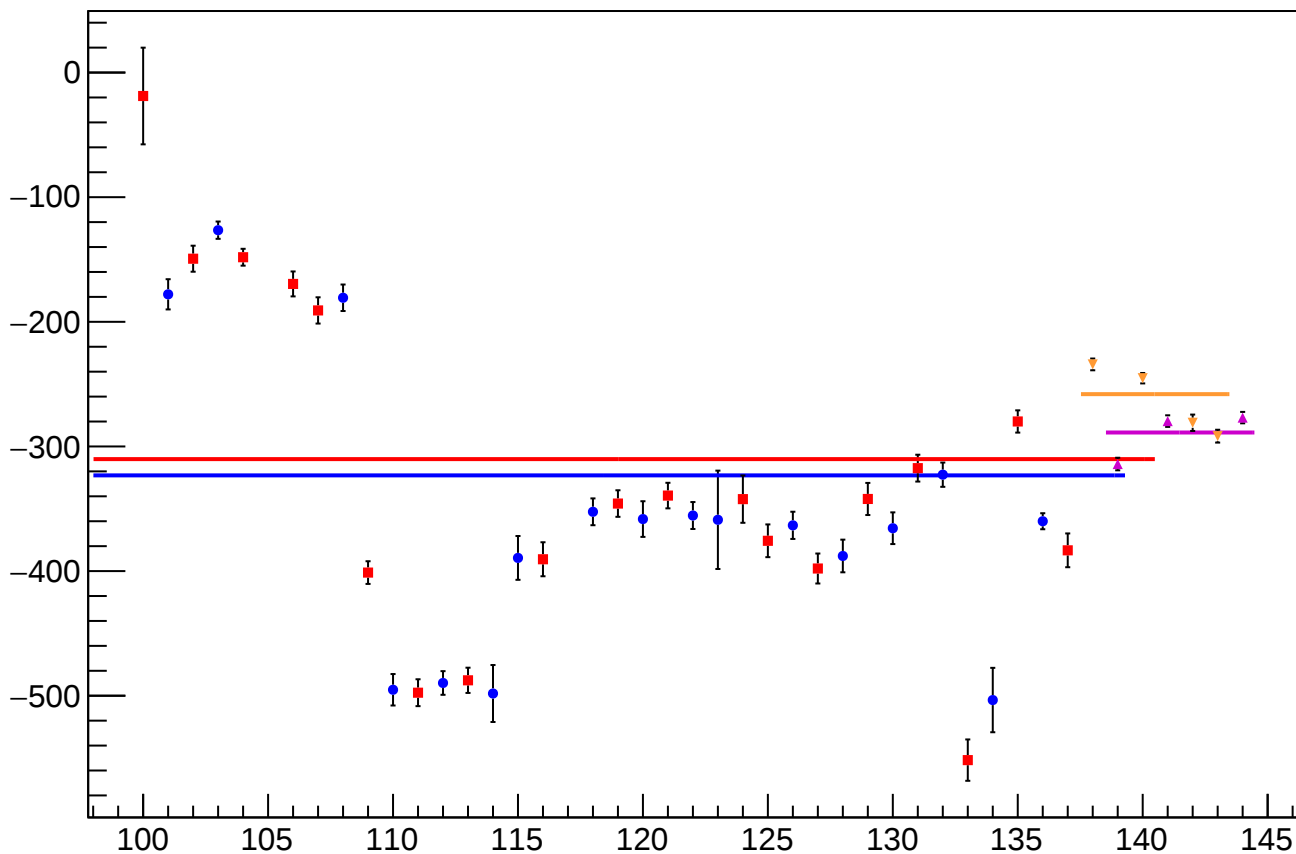
Left In: 5.710 $\pm$ 2.111 χ^2 /NDF:23.7/2

+ sign 16.748 $\pm$ 1.155 χ^2 /NDF: 456.6/20

All: 14.138 $\pm$ 0.819 χ^2 /NDF: 936.9/42

- sign 11.496 $\pm$ 1.162 χ^2 /NDF: 470.0/21

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.205 ± 2.689 χ^2/NDF : 1846.8/16

Left Out: -258.032 ± 2.478 χ^2/NDF : 90.0/3

Right Out: -310.154 ± 2.527 χ^2/NDF : 2298.0/18

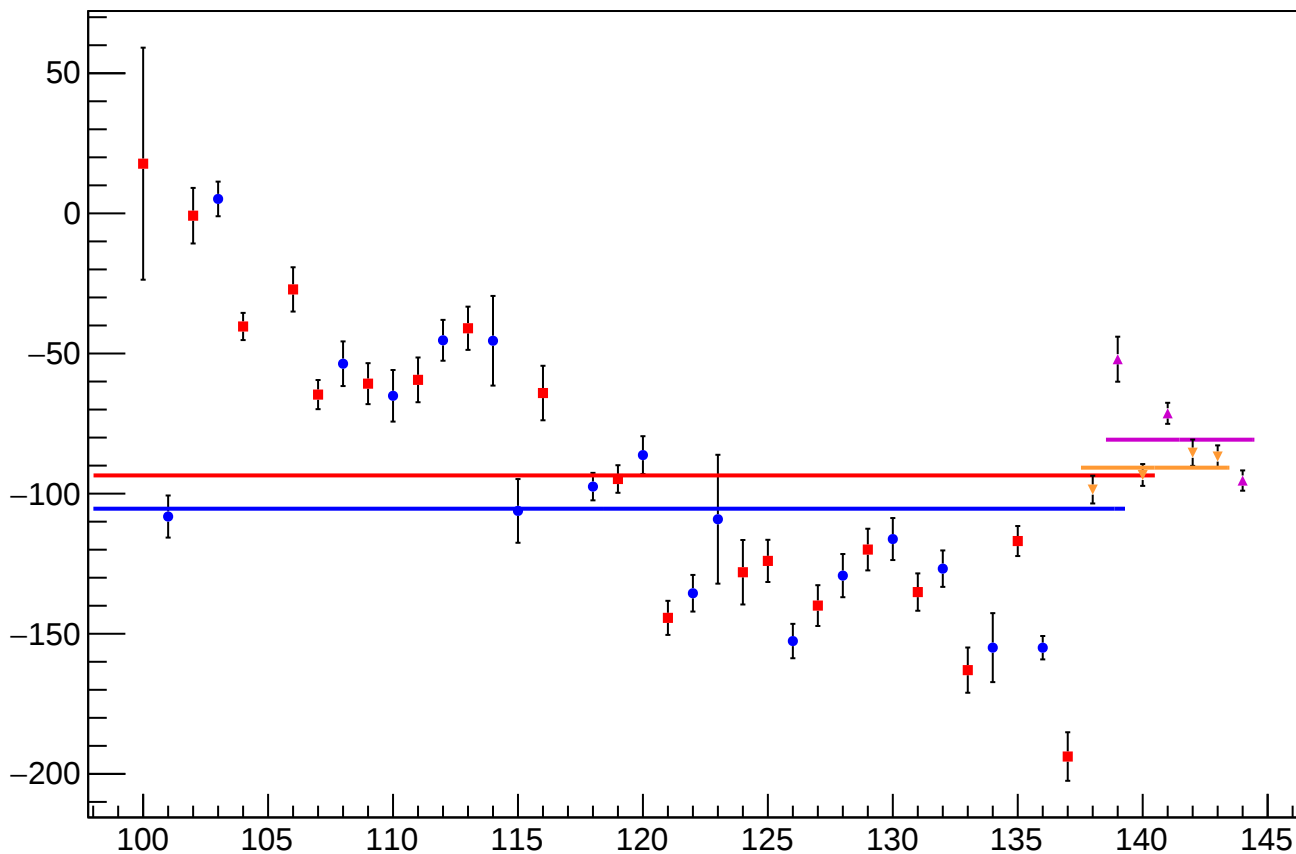
Left In: -288.807 ± 2.739 χ^2/NDF : 35.8/2

+ sign -287.961 ± 1.822 χ^2/NDF : 2254.5/20

All: -294.032 ± 1.301 χ^2/NDF : 4643.9/42

- sign -300.340 ± 1.857 χ^2/NDF : 2366.7/21

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.376 ± 1.716 χ^2/NDF : 734.7/16

Left Out: -90.736 ± 2.157 χ^2/NDF : 5.2/3

Right Out: -93.504 ± 1.612 χ^2/NDF : 824.8/18

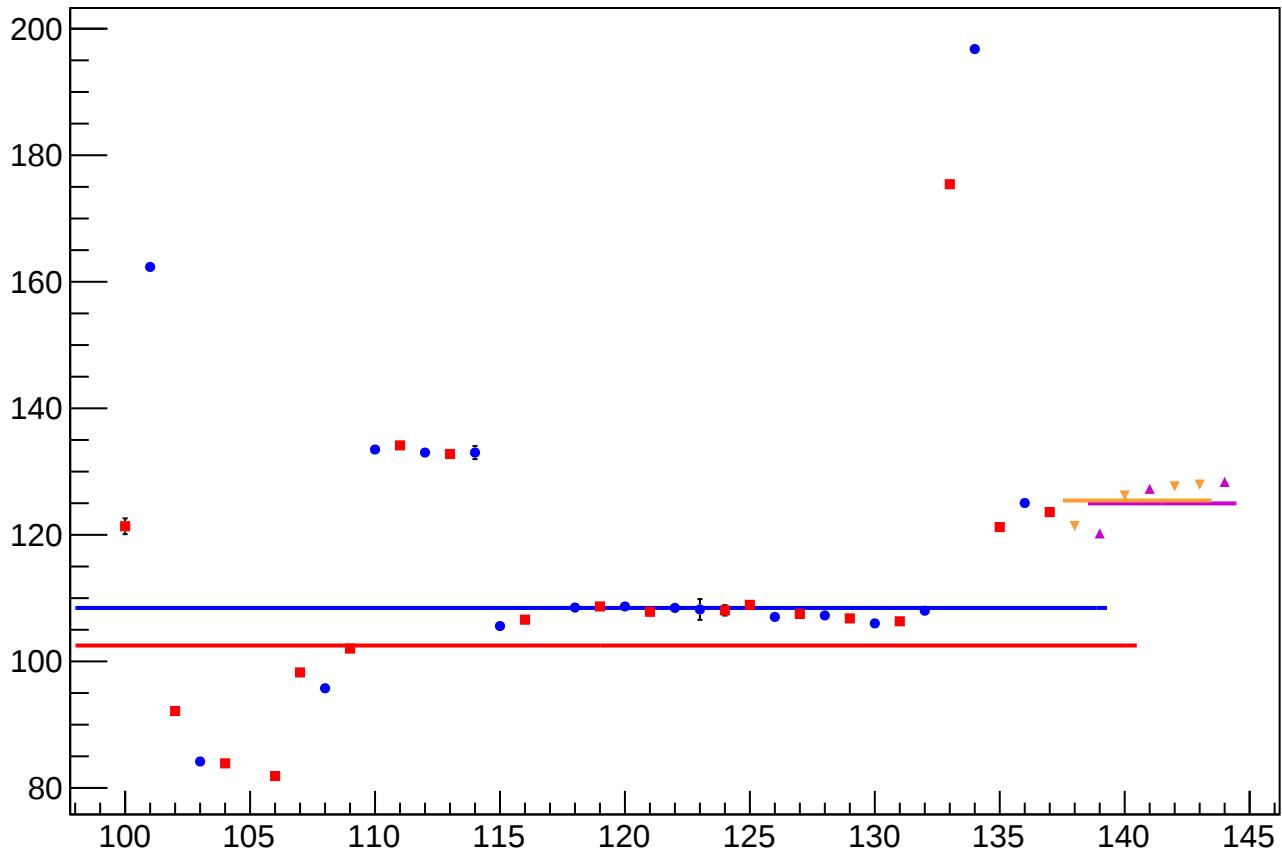
Left In: -80.750 ± 2.478 χ^2/NDF : 35.3/2

+ sign -99.702 ± 1.343 χ^2/NDF : 768.1/20

All: -94.739 ± 0.952 χ^2/NDF : 1674.4/42

- sign -89.710 ± 1.351 χ^2/NDF : 878.7/21

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.450 $\pm$ 0.085 χ^2 /NDF: 73263.0/16

Left Out: 125.428 $\pm$ 0.102 χ^2 /NDF: 700.4/3

Right Out: 102.510 $\pm$ 0.080 χ^2 /NDF: 52979.9/18

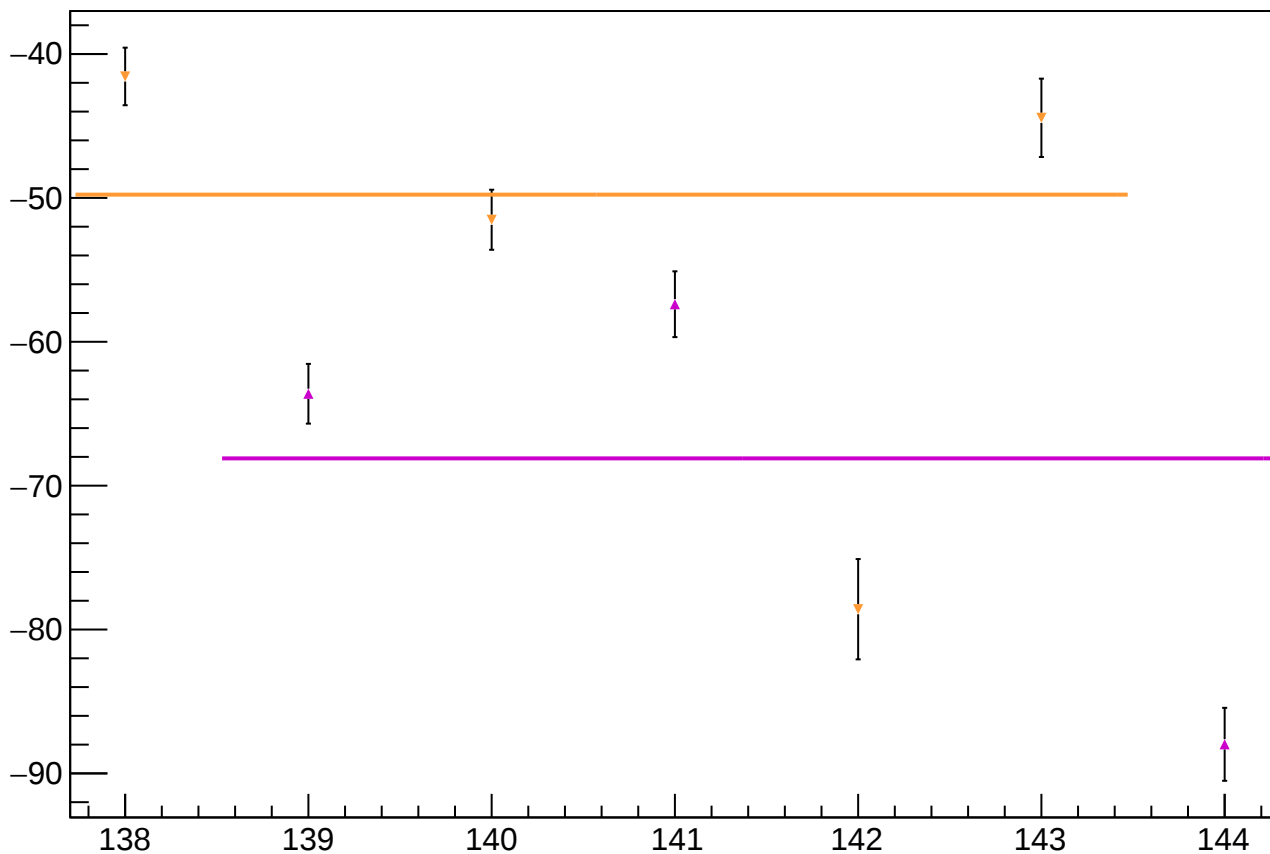
Left In: 124.970 $\pm$ 0.108 χ^2 /NDF: 1153.2/2

+ sign 115.412 $\pm$ 0.065 χ^2 /NDF: 90293.7/20

All: 112.848 $\pm$ 0.046 χ^2 /NDF: 175331.5/42

- sign 110.377 $\pm$ 0.064 χ^2 /NDF: 82014.9/21

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -49.772+/-1.198 χ^2/NDF : 89.7/3

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

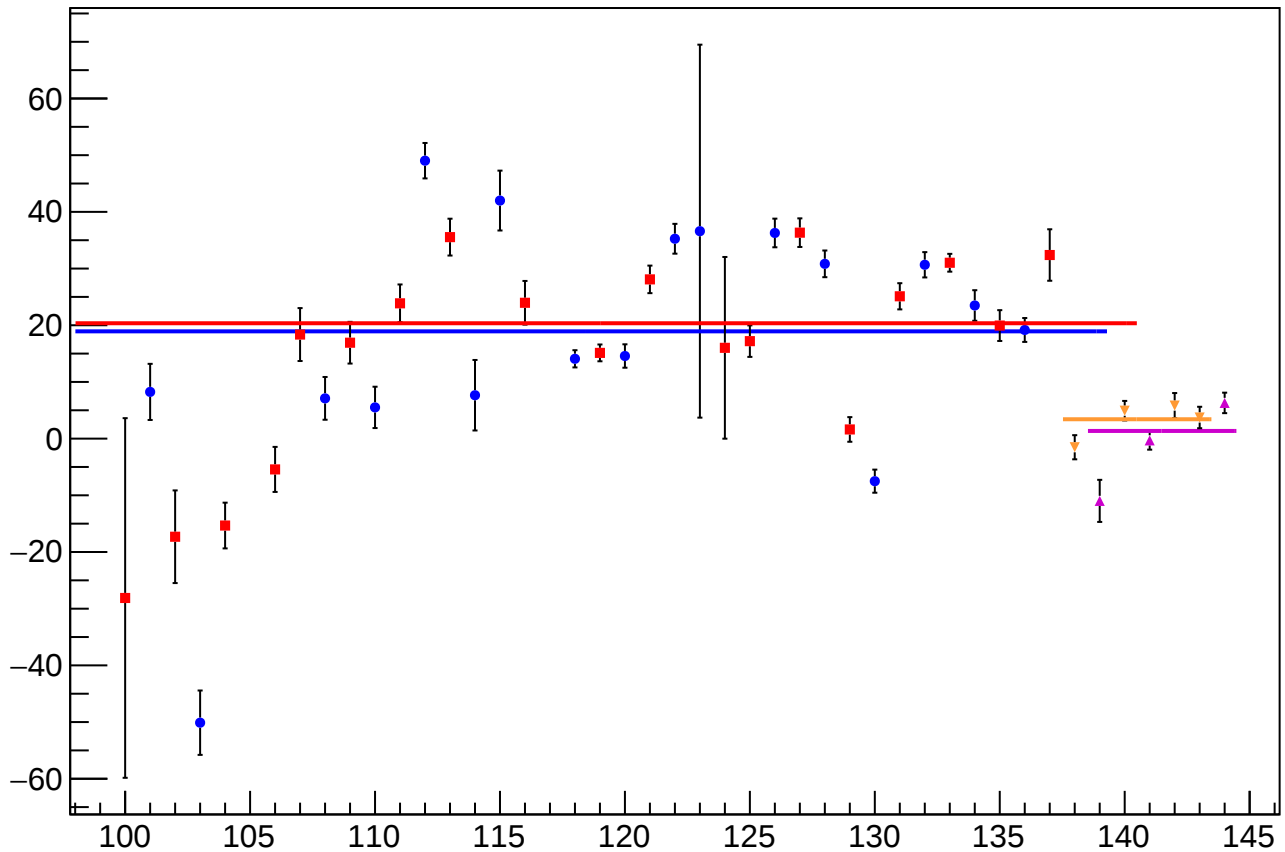
Left In: -68.104+/-1.314 χ^2/NDF : 88.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -58.094+/-0.886 χ^2/NDF : 284.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.924 ± 0.654 $\chi^2/\text{NDF}: 616.2/16$

Left Out: 3.417 ± 0.980 $\chi^2/\text{NDF}: 7.4/3$

Right Out: 20.353 ± 0.643 $\chi^2/\text{NDF}: 364.7/18$

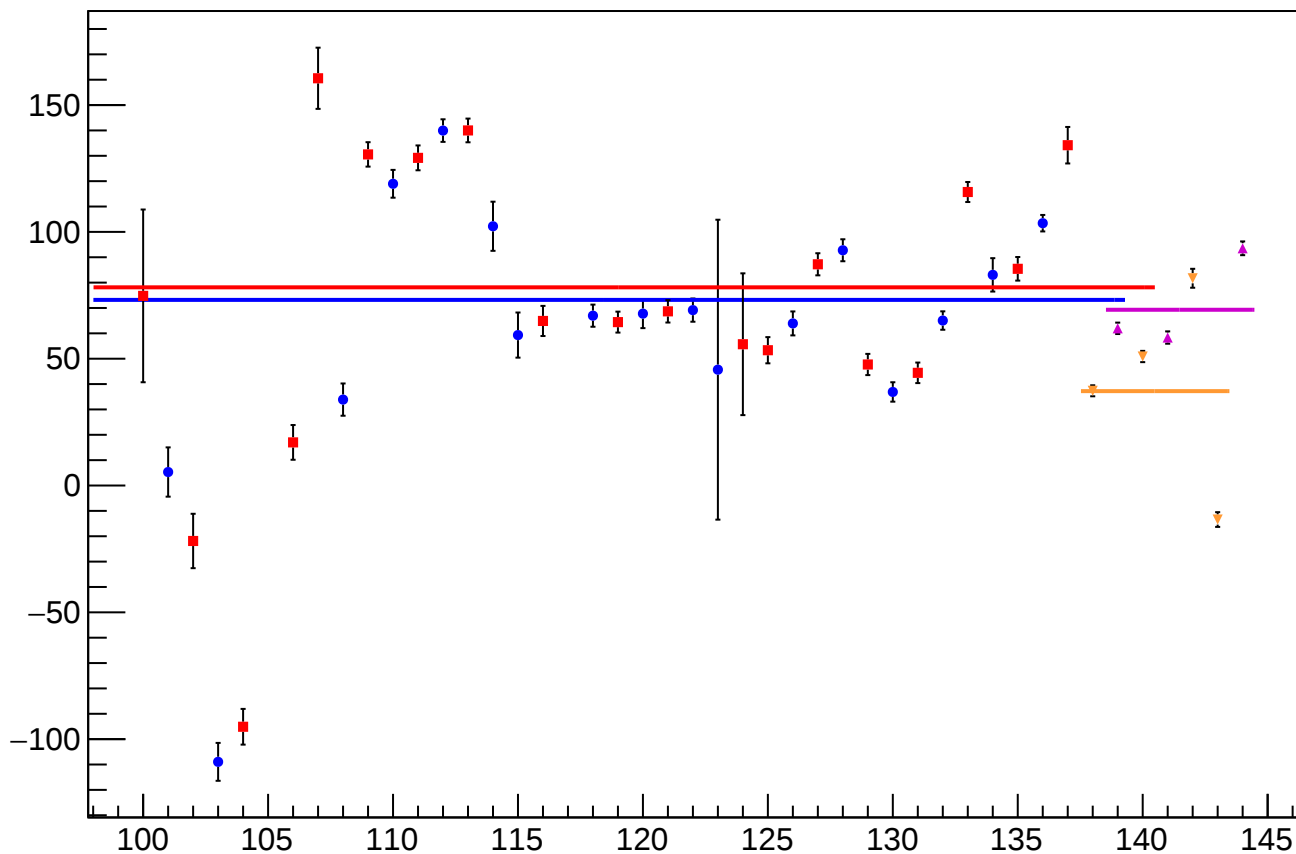
Left In: 1.354 ± 1.153 $\chi^2/\text{NDF}: 19.6/2$

+ sign 14.146 ± 0.544 $\chi^2/\text{NDF}: 796.7/20$

All: 14.969 ± 0.391 $\chi^2/\text{NDF}: 1392.7/42$

- sign 15.846 ± 0.562 $\chi^2/\text{NDF}: 591.2/21$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.189+/-1.239 χ^2/NDF : 1199.7/16

Left Out: 37.214+/-1.286 χ^2/NDF : 483.0/3

Right Out: 78.140+/-1.225 χ^2/NDF : 1545.8/18

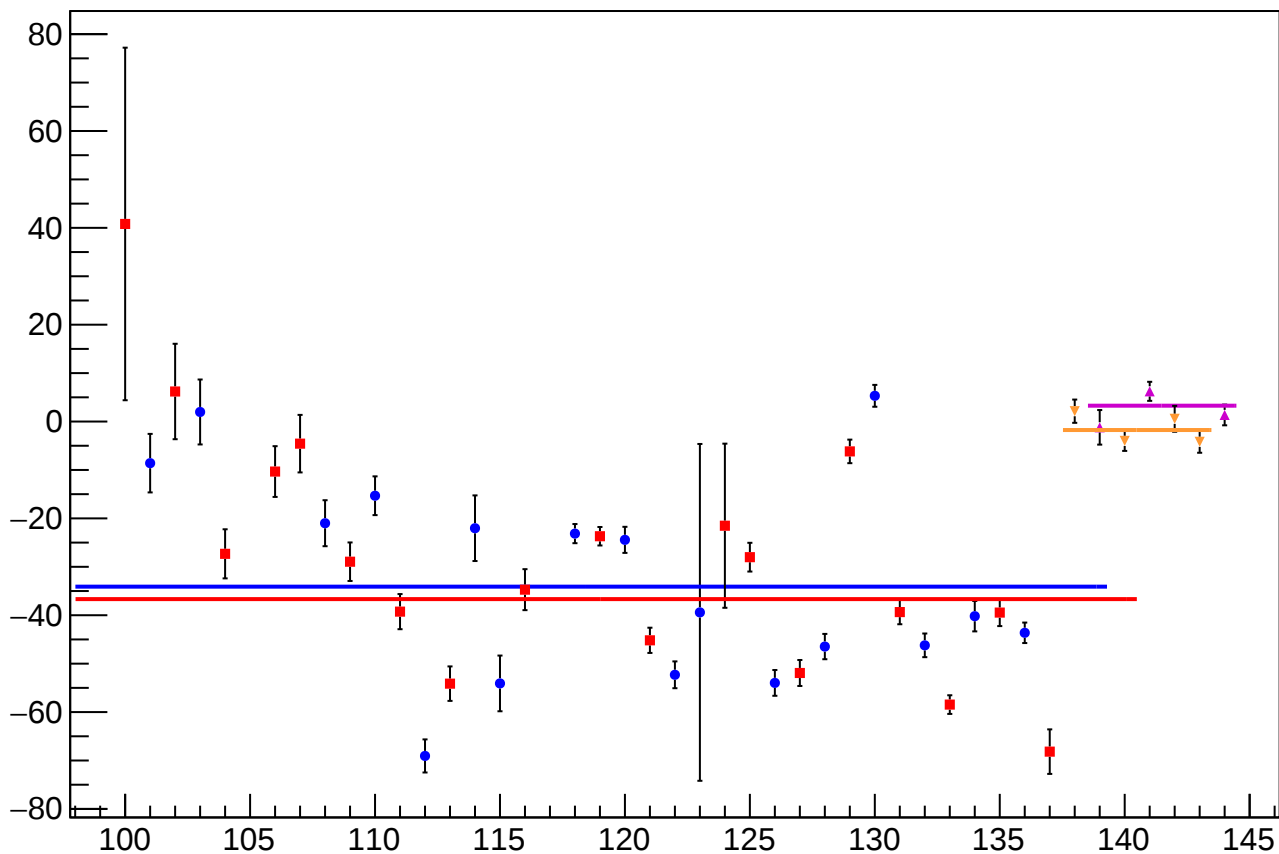
Left In: 69.297+/-1.410 χ^2/NDF : 110.8/2

+ sign 55.873+/-0.892 χ^2/NDF : 2088.7/20

All: 64.773+/-0.642 χ^2/NDF : 3974.2/42

- sign 74.337+/-0.925 χ^2/NDF : 1679.0/21

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.097 ± 0.746 χ^2/NDF : 714.9/16

Left Out: -1.754 ± 1.160 χ^2/NDF : 5.7/3

Right Out: -36.670 ± 0.737 χ^2/NDF : 542.9/18

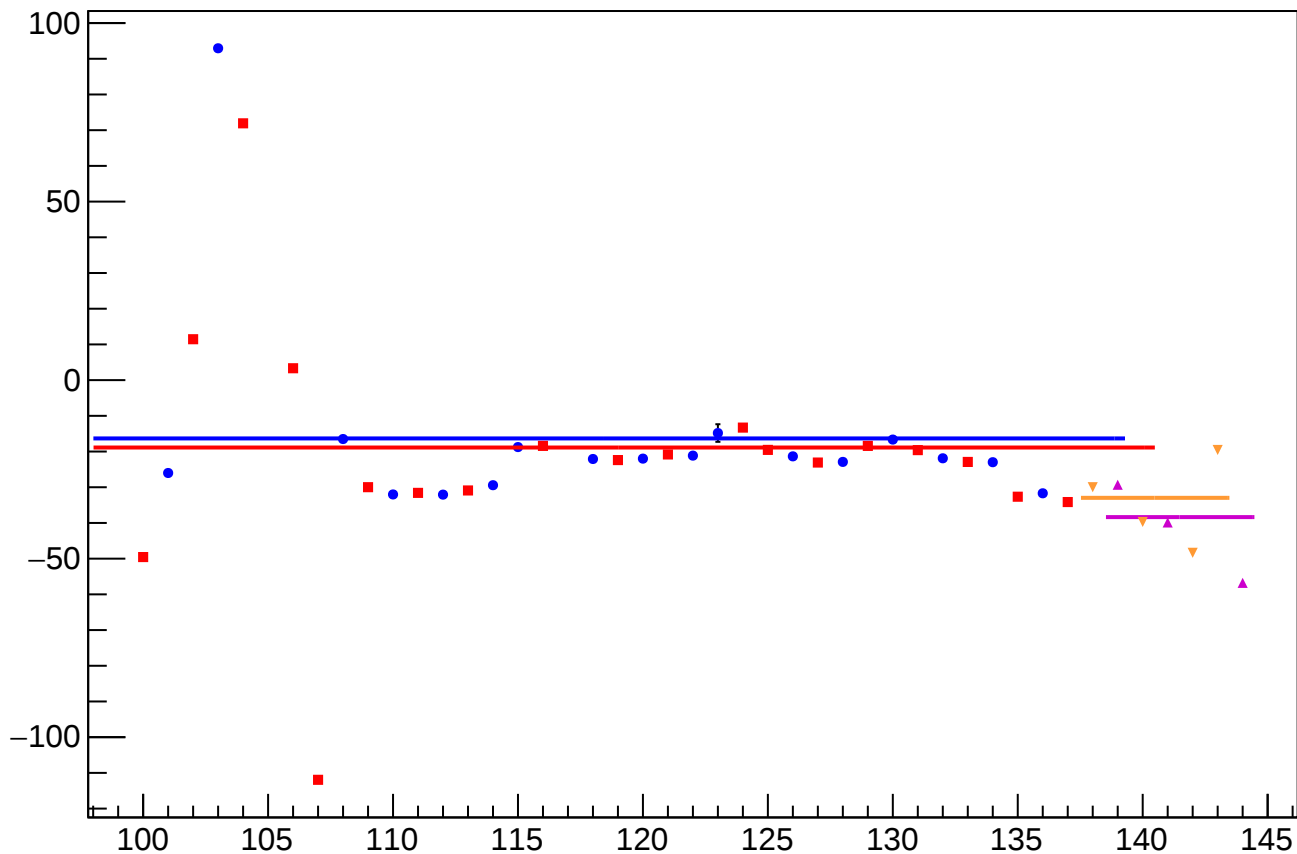
Left In: 3.273 ± 1.342 χ^2/NDF : 4.6/2

+ sign -24.635 ± 0.628 χ^2/NDF : 1270.1/20

All: -25.982 ± 0.450 χ^2/NDF : 2507.6/42

- sign -27.409 ± 0.646 χ^2/NDF : 1228.0/21

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.329 ± 0.045 $\chi^2/\text{NDF}: 474104.2/16$

Left Out: -32.967 ± 0.052 $\chi^2/\text{NDF}: 29972.8/3$

Right Out: -18.876 ± 0.045 $\chi^2/\text{NDF}: 433788.6/18$

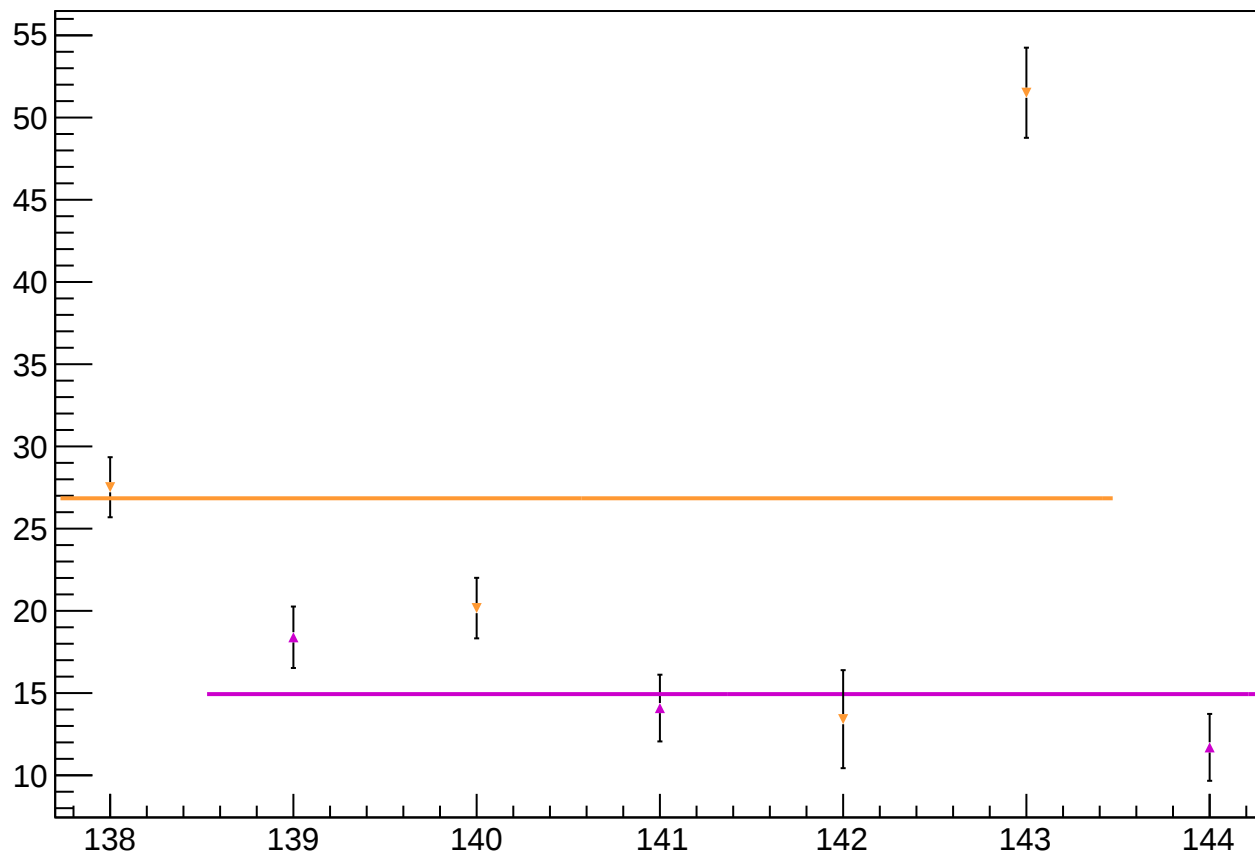
Left In: -38.364 ± 0.055 $\chi^2/\text{NDF}: 37420.6/2$

+ sign -23.347 ± 0.034 $\chi^2/\text{NDF}: 562518.5/20$

All: -25.047 ± 0.024 $\chi^2/\text{NDF}: 1114257.1/42$

- sign -26.837 ± 0.035 $\chi^2/\text{NDF}: 546604.2/21$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 26.845+/-1.091 χ^2/NDF :114.6/3

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

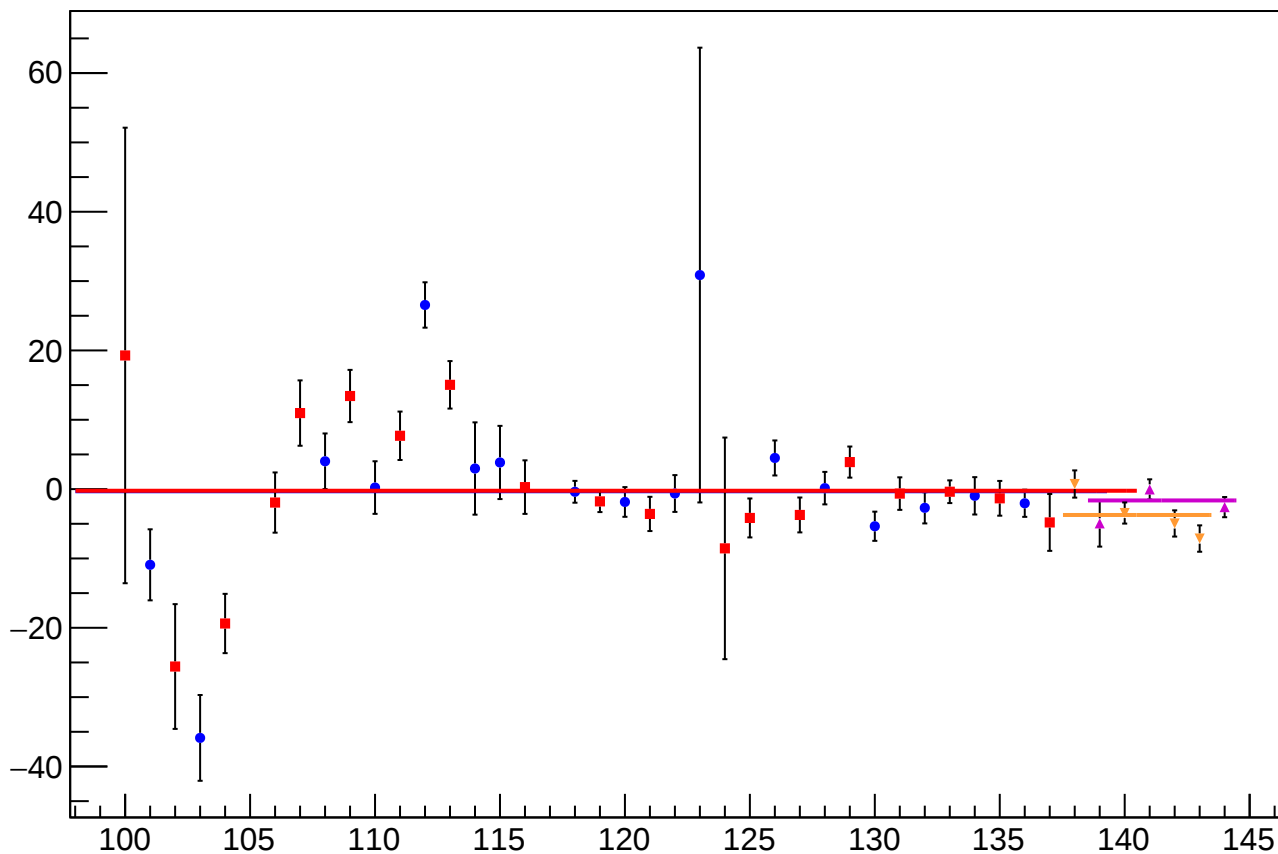
Left In: 14.937+/-1.139 χ^2/NDF :6.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21.148+/-0.788 χ^2/NDF : 177.7/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.309 ± 0.663 χ^2/NDF : 119.6/16

Left Out: -3.731 ± 0.896 χ^2/NDF : 8.8/3

Right Out: -0.237 ± 0.657 χ^2/NDF : 84.2/18

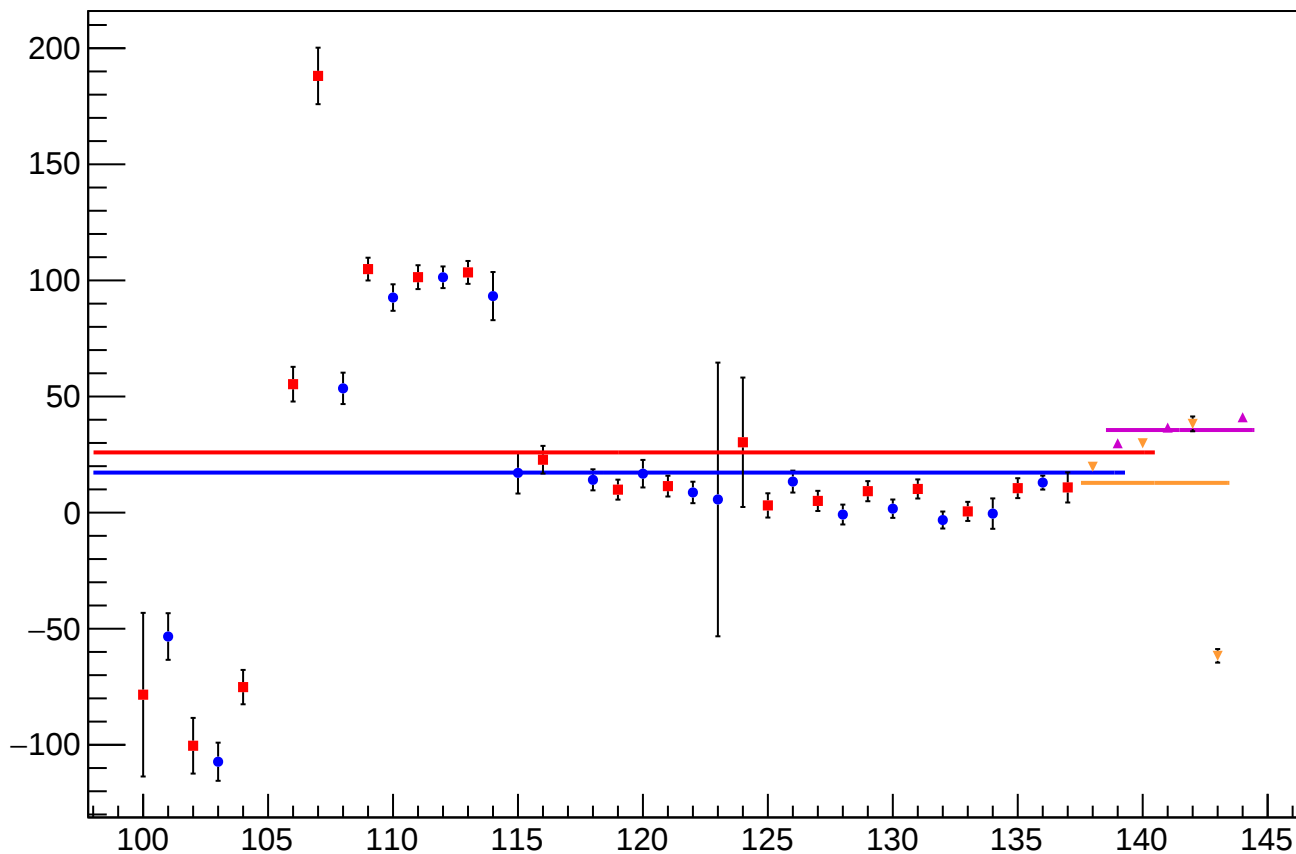
Left In: -1.634 ± 0.984 χ^2/NDF : 2.6/2

+ sign -1.521 ± 0.533 χ^2/NDF : 137.8/20

All: -1.105 ± 0.382 χ^2/NDF : 227.3/42

- sign -0.668 ± 0.547 χ^2/NDF : 88.2/21

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.239+/-1.249 χ^2/NDF : 940.3/16

Left Out: 12.814+/-1.171 χ^2/NDF : 799.2/3

Right Out: 25.926+/-1.246 χ^2/NDF : 1374.8/18

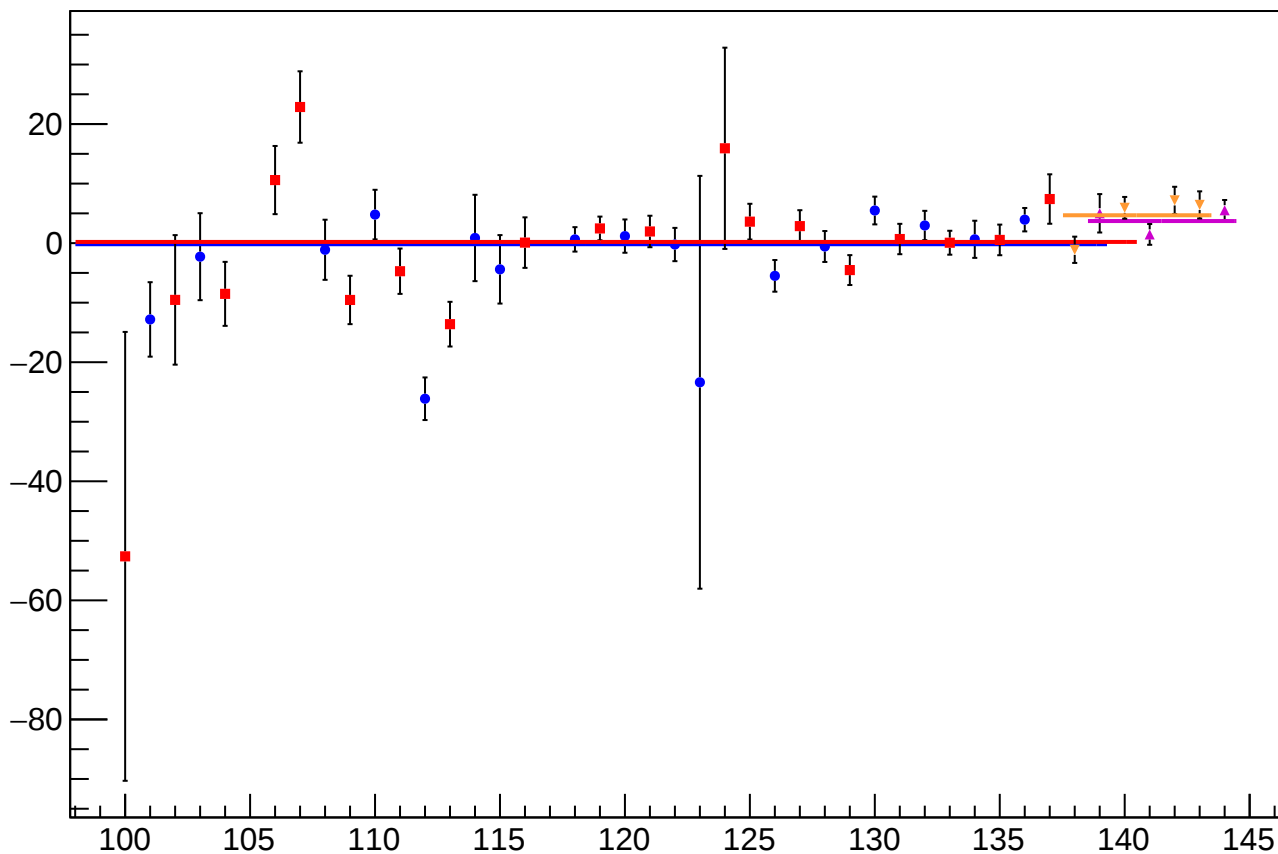
Left In: 35.570+/-1.222 χ^2/NDF : 14.6/2

+ sign 14.883+/-0.854 χ^2/NDF : 1746.2/20

All: 22.696+/-0.610 χ^2/NDF : 3337.0/42

- sign 30.842+/-0.872 χ^2/NDF : 1419.9/21

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.183 ± 0.753 χ^2/NDF : 75.7/16

Left Out: 4.681 ± 1.060 χ^2/NDF : 9.2/3

Right Out: 0.202 ± 0.750 χ^2/NDF : 55.4/18

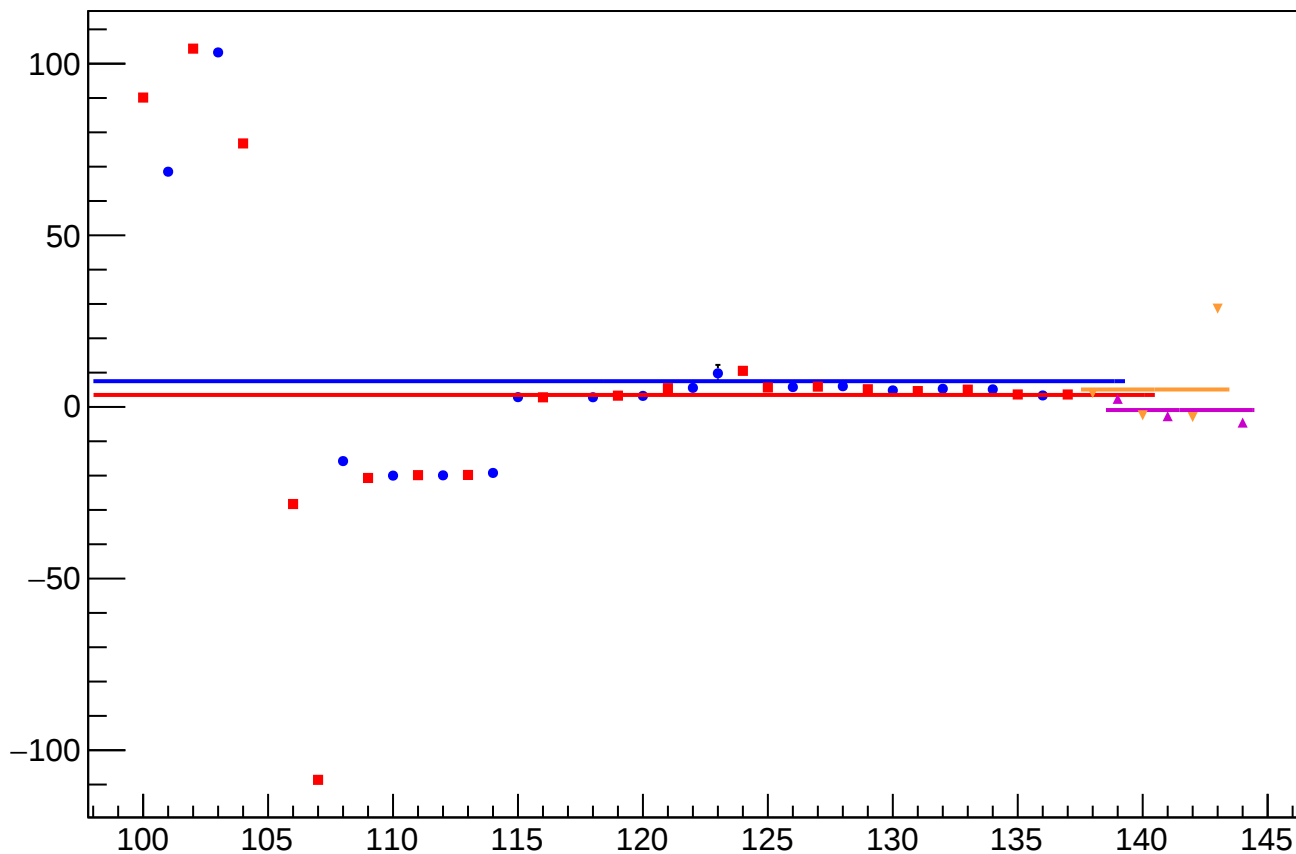
Left In: 3.711 ± 1.146 χ^2/NDF : 2.9/2

+ sign 1.449 ± 0.614 χ^2/NDF : 98.8/20

All: 1.354 ± 0.439 χ^2/NDF : 163.8/42

- sign 1.254 ± 0.628 χ^2/NDF : 64.9/21

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.507 ± 0.045 χ^2/NDF : 355810.5/16

Left Out: 5.090 ± 0.048 χ^2/NDF : 52405.1/3

Right Out: 3.499 ± 0.046 χ^2/NDF : 510576.0/18

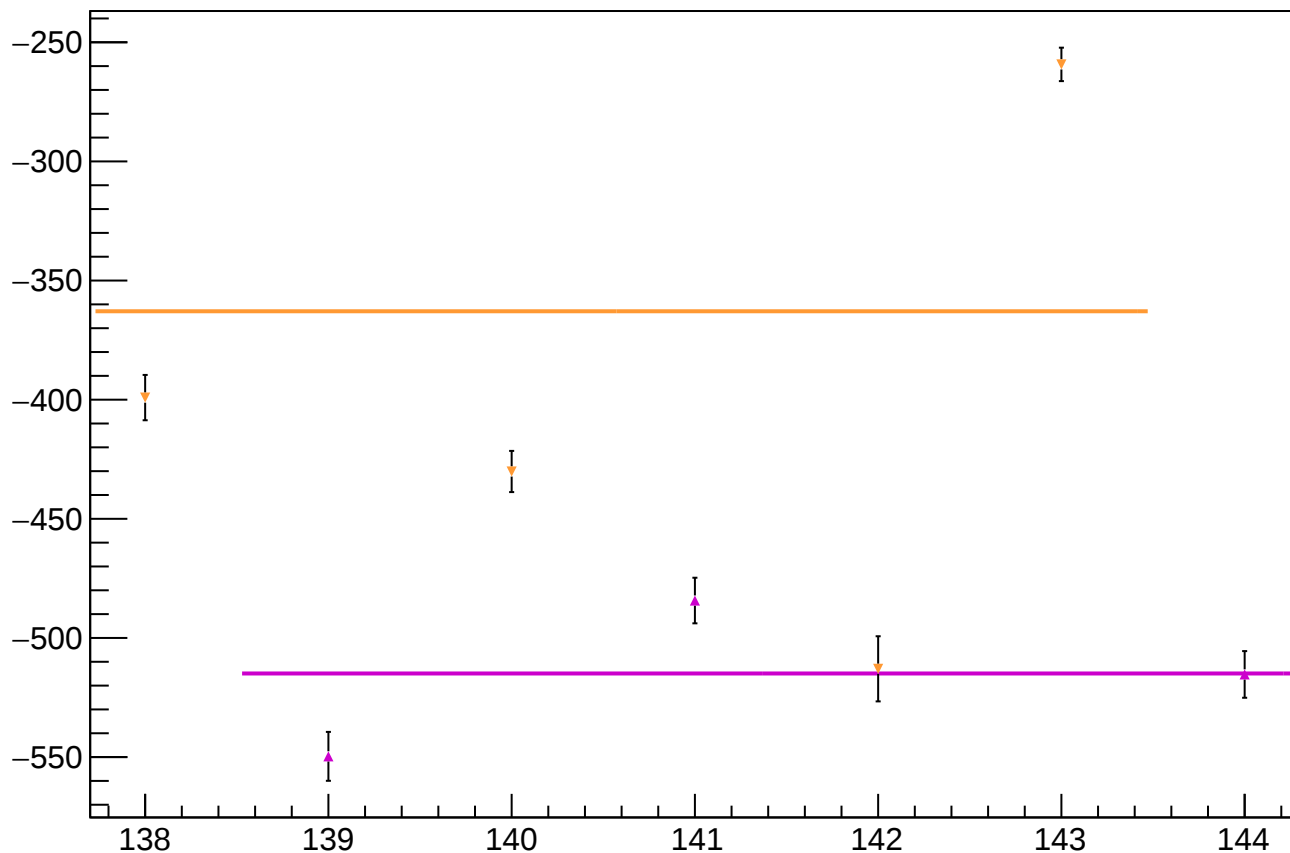
Left In: -0.897 ± 0.048 χ^2/NDF : 4005.3/2

+ sign 6.375 ± 0.033 χ^2/NDF : 409586.1/20

All: 3.914 ± 0.023 χ^2/NDF : 940149.3/42

- sign 1.393 ± 0.033 χ^2/NDF : 519014.9/21

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -362.893+/-4.468 χ^2/NDF : 413.5/3

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

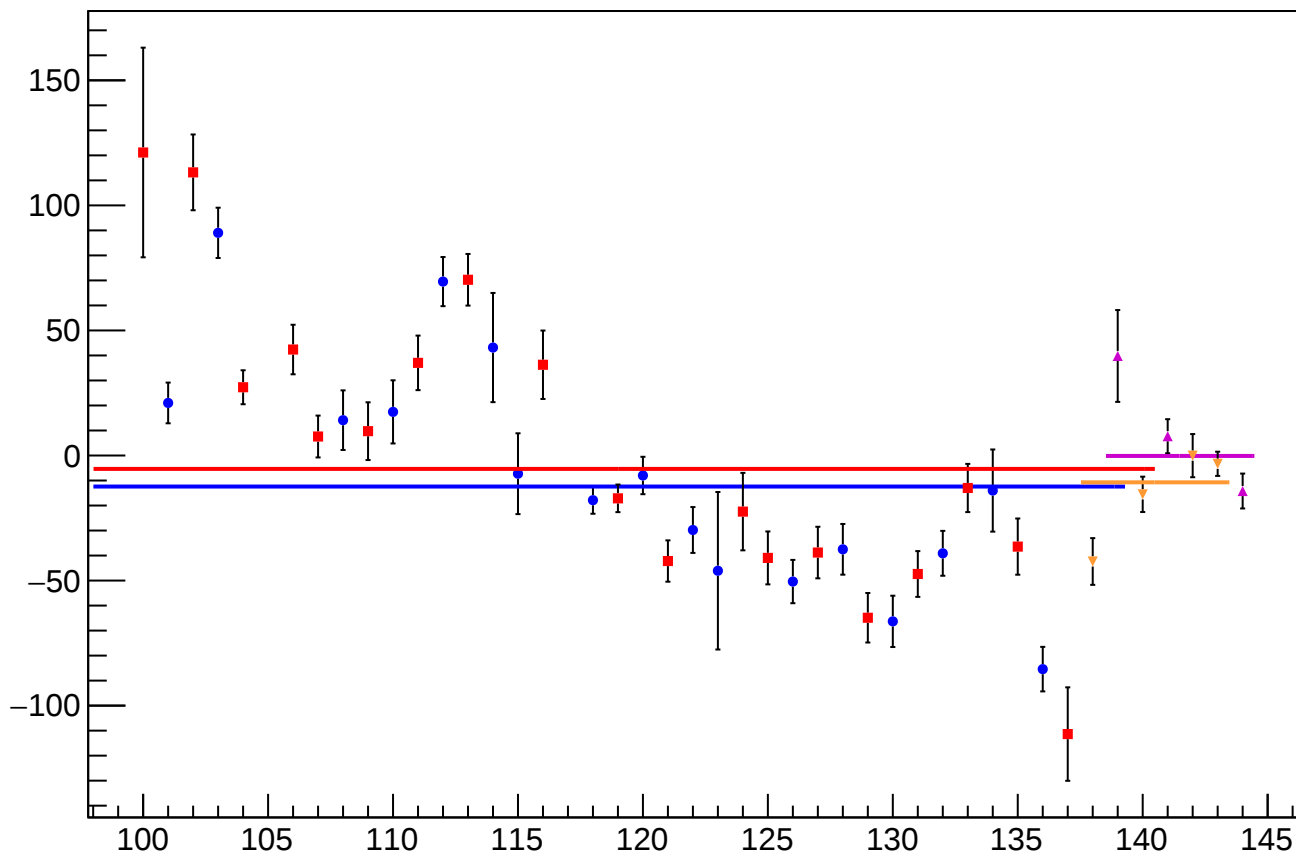
Left In: -514.911+/-5.694 χ^2/NDF : 21.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -420.828+/-3.515 χ^2/NDF : 876.4/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.408 ± 2.353 $\chi^2/\text{NDF}: 340.6/16$

Left Out: -10.721 ± 3.379 $\chi^2/\text{NDF}: 15.8/3$

Right Out: -5.355 ± 2.261 $\chi^2/\text{NDF}: 344.1/18$

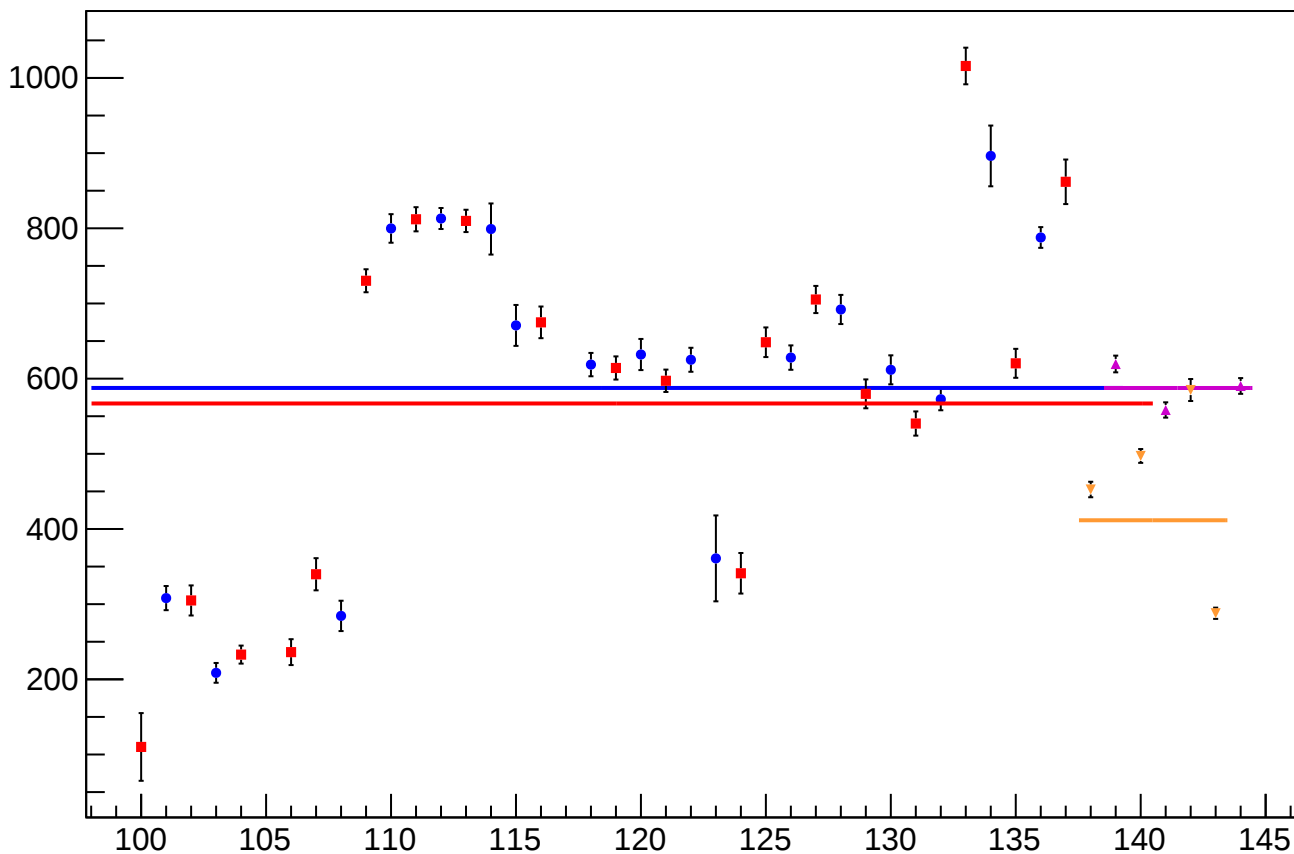
Left In: -0.170 ± 4.711 $\chi^2/\text{NDF}: 10.1/2$

+ sign -11.857 ± 1.931 $\chi^2/\text{NDF}: 356.6/20$

All: -8.323 ± 1.402 $\chi^2/\text{NDF}: 718.9/42$

- sign -4.384 ± 2.039 $\chi^2/\text{NDF}: 355.2/21$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.620 $\pm$ 4.361 χ^2 /NDF: 2127.1/16

Left Out: 411.596 $\pm$ 4.783 χ^2 /NDF: 515.2/3

Right Out: 566.959 $\pm$ 4.142 χ^2 /NDF: 2782.6/18

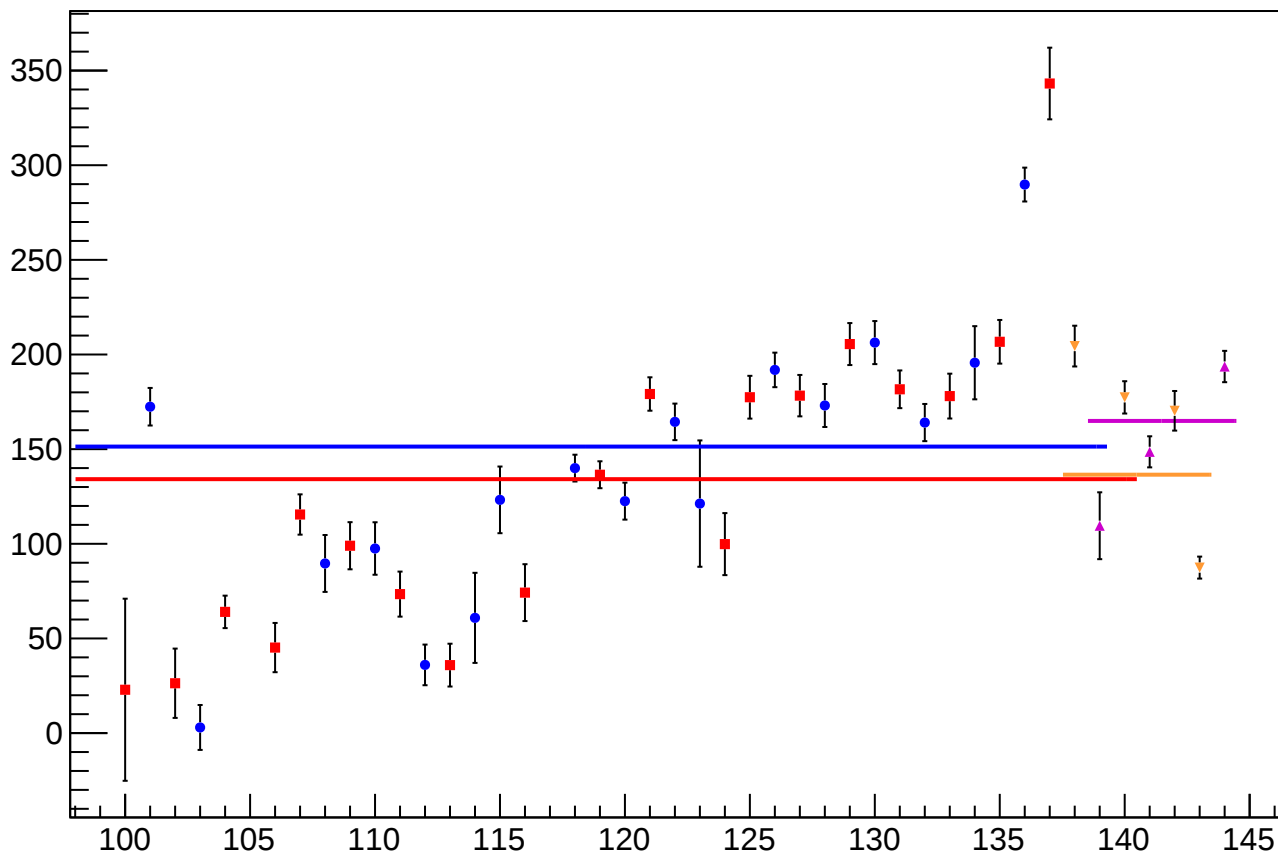
Left In: 587.572 $\pm$ 6.102 χ^2 /NDF: 16.6/2

+ sign 507.704 $\pm$ 3.223 χ^2 /NDF: 3381.8/20

All: 538.562 $\pm$ 2.348 χ^2 /NDF: 6384.2/42

- sign 573.462 $\pm$ 3.427 χ^2 /NDF: 2807.0/21

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.359 ± 2.715 χ^2/NDF : 632.2/16

Left Out: 136.512 ± 4.045 χ^2/NDF : 144.5/3

Right Out: 134.147 ± 2.620 χ^2/NDF : 582.9/18

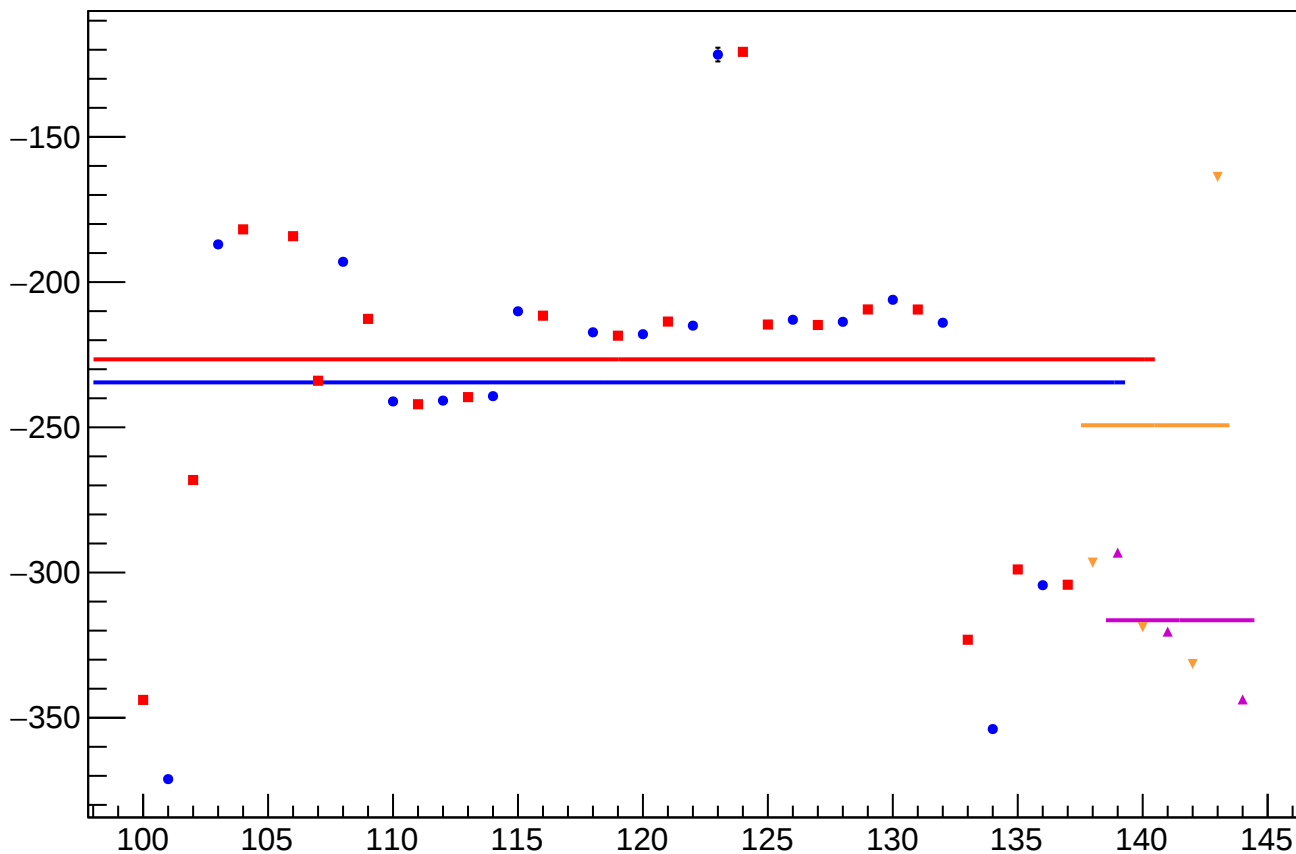
Left In: 164.910 ± 5.534 χ^2/NDF : 25.8/2

+ sign 146.747 ± 2.254 χ^2/NDF : 786.0/20

All: 143.434 ± 1.633 χ^2/NDF : 1424.6/42

- sign 139.779 ± 2.368 χ^2/NDF : 634.0/21

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.530+/-0.149 χ^2/NDF : 145014.5/16

Left Out: -249.292+/-0.196 χ^2/NDF :143490.6/3

Right Out: -226.593+/-0.142 χ^2/NDF : 98973.6/18

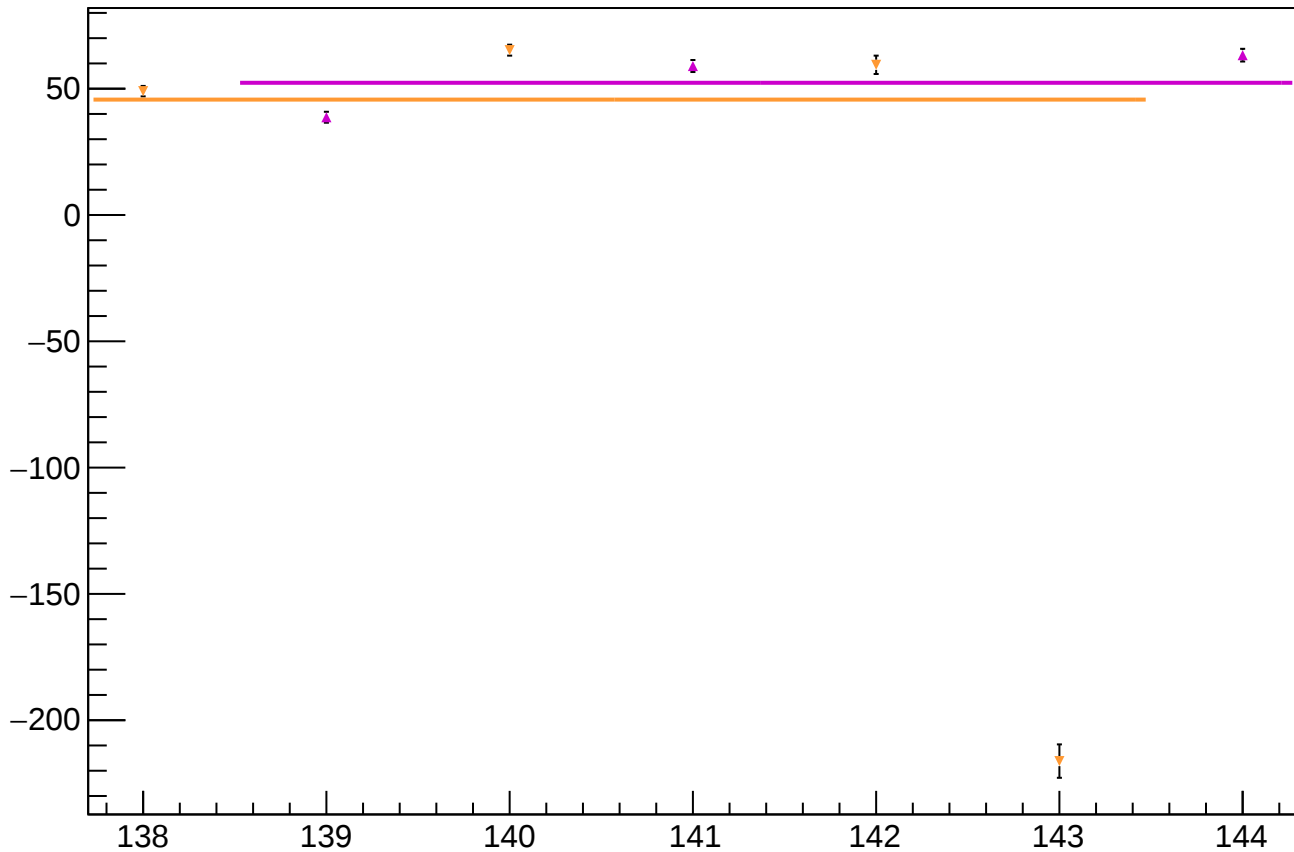
Left In: -316.425+/-0.241 χ^2/NDF :7193.4/2

+ sign -239.950+/-0.119 χ^2/NDF : 292098.4/20

All: -244.652+/-0.085 χ^2/NDF : 504770.1/42

- sign -249.624+/-0.122 χ^2/NDF : 209443.0/21

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 45.683+/-1.355 χ^2/NDF :1666.4/3

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

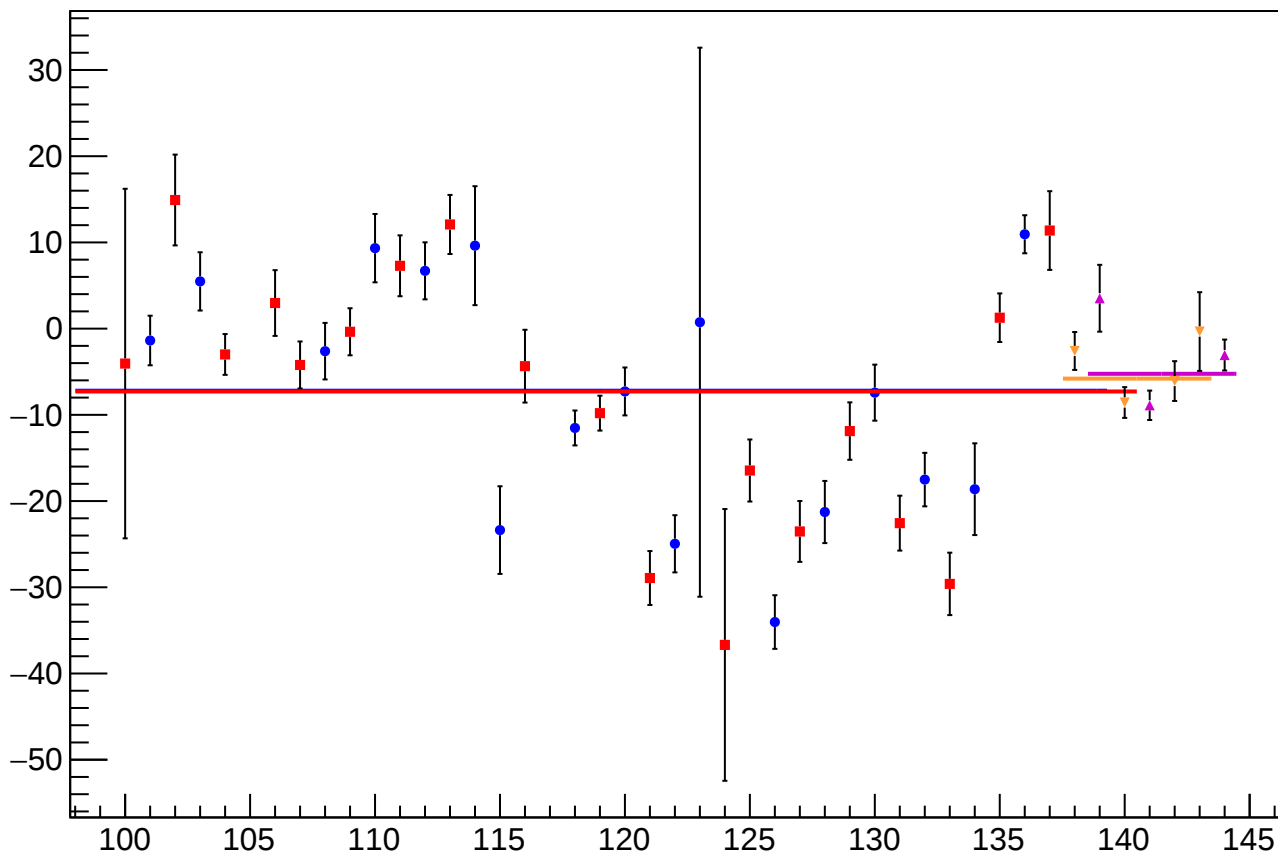
Left In: 52.338+/-1.351 χ^2/NDF :66.3/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 49.019+/-0.957 χ^2/NDF : 1744.8/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.201 ± 0.790 $\chi^2/\text{NDF}: 277.5/16$

Left Out: -5.797 ± 1.149 $\chi^2/\text{NDF}: 6.0/3$

Right Out: -7.289 ± 0.762 $\chi^2/\text{NDF}: 255.0/18$

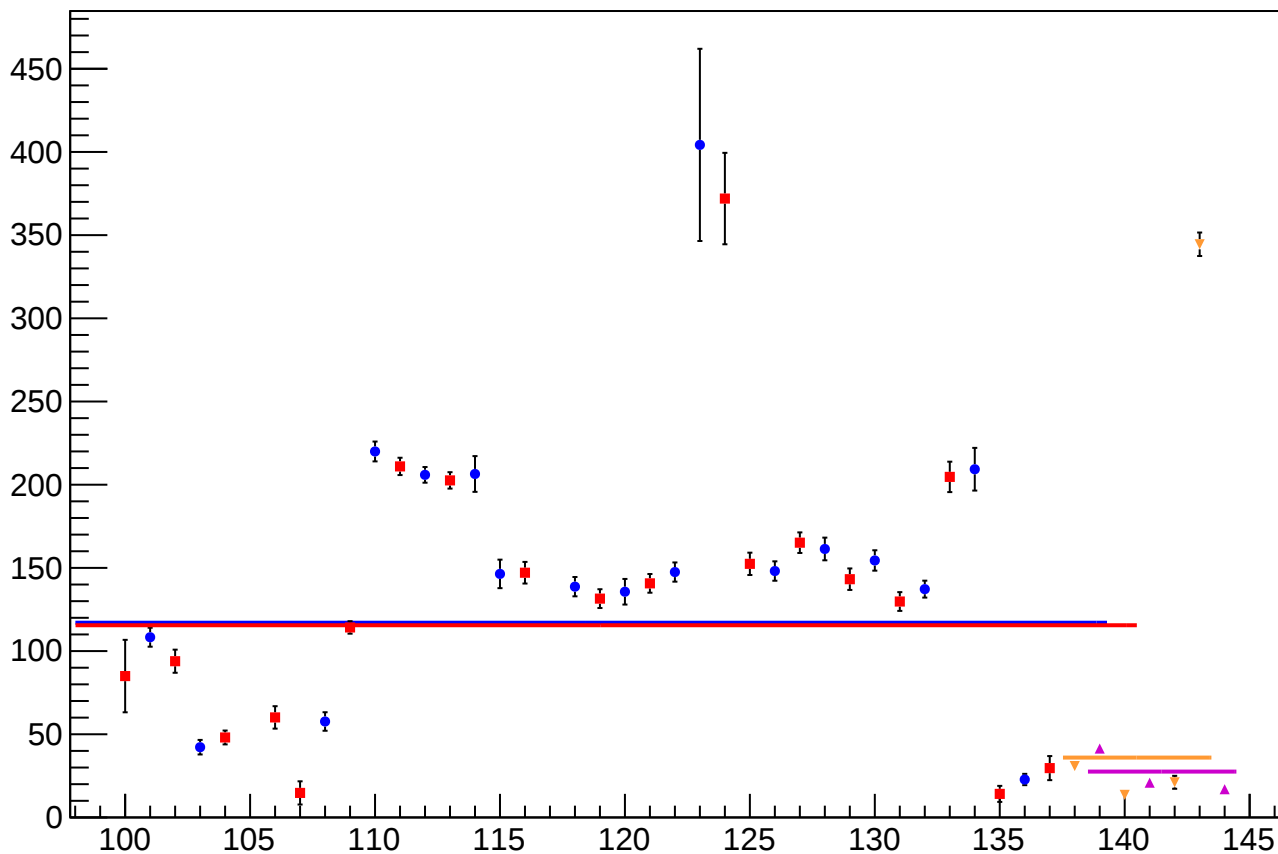
Left In: -5.238 ± 1.178 $\chi^2/\text{NDF}: 11.2/2$

+ sign -6.750 ± 0.651 $\chi^2/\text{NDF}: 284.5/20$

All: -6.717 ± 0.456 $\chi^2/\text{NDF}: 552.8/42$

- sign -6.684 ± 0.640 $\chi^2/\text{NDF}: 268.3/21$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.046 $\pm$ 1.419 χ^2 /NDF: 2159.0/16

Left Out: 35.986 $\pm$ 1.455 χ^2 /NDF:2024.6/3

Right Out: 115.529 $\pm$ 1.363 χ^2 /NDF: 2135.6/18

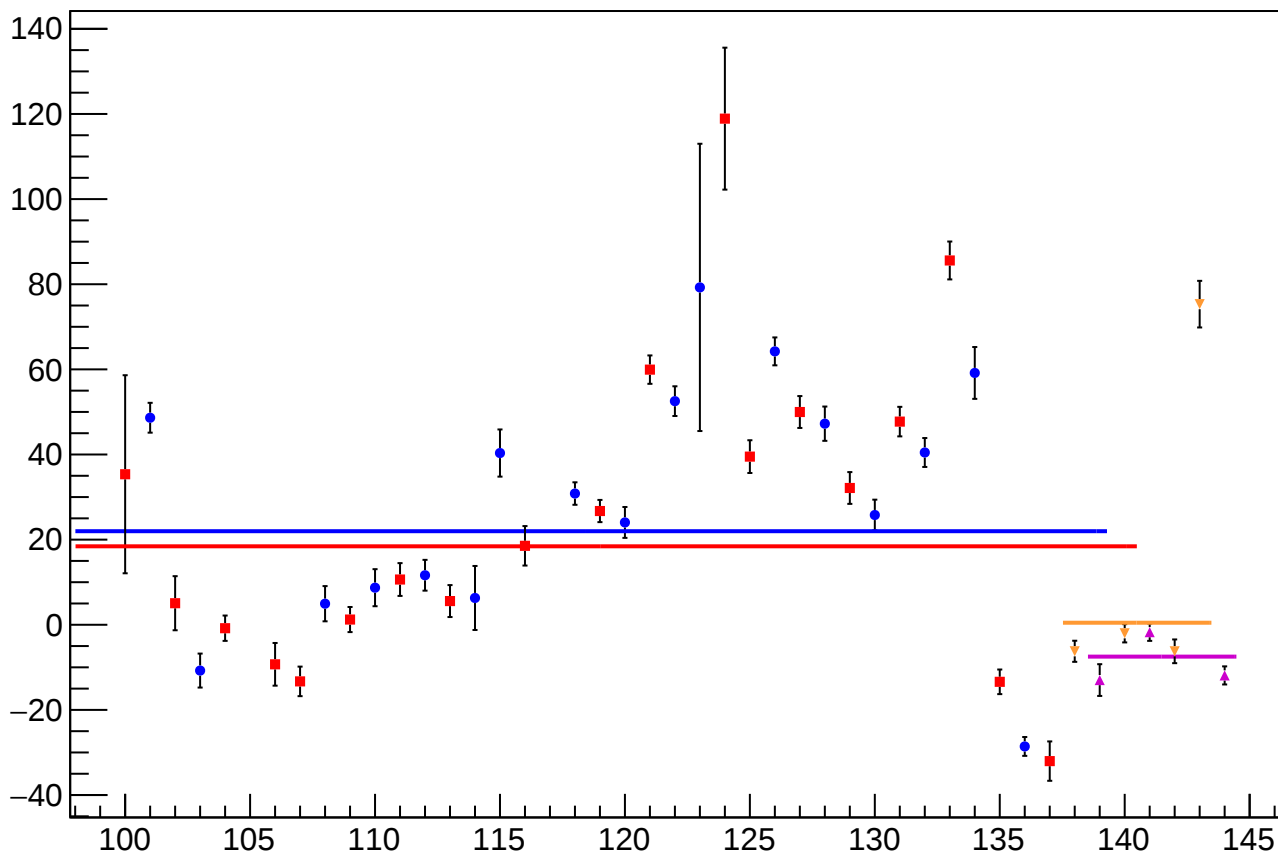
Left In: 27.567 $\pm$ 1.450 χ^2 /NDF:57.2/2

+ sign 77.538 $\pm$ 1.016 χ^2 /NDF: 5773.6/20

All: 75.865 $\pm$ 0.710 χ^2 /NDF: 9925.3/42

- sign 74.268 $\pm$ 0.993 χ^2 /NDF: 4146.5/21

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 21.981 $\pm$ 0.900 χ^2/NDF : 1061.2/16

Left Out: 0.480 $\pm$ 1.358 χ^2/NDF : 201.3/3

Right Out: 18.432 $\pm$ 0.873 χ^2/NDF : 1066.0/18

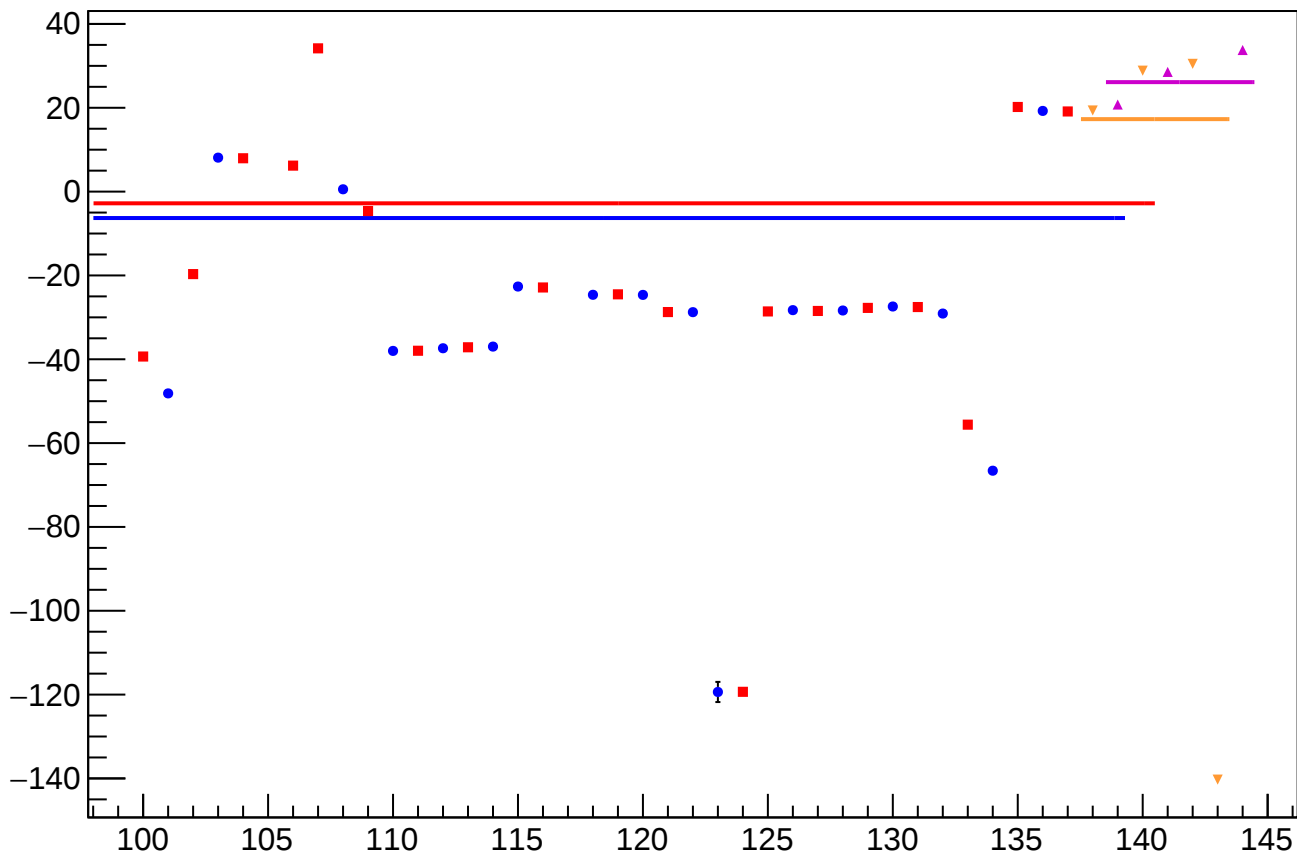
Left In: -7.483 $\pm$ 1.371 χ^2/NDF : 14.4/2

+ sign 15.415 $\pm$ 0.750 χ^2/NDF : 1436.7/20

All: 13.145 $\pm$ 0.525 χ^2/NDF : 2789.3/42

- sign 10.960 $\pm$ 0.736 χ^2/NDF : 1334.7/21

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.304 ± 0.046 $\chi^2/\text{NDF}: 264097.6/16$

Left Out: 17.290 ± 0.059 $\chi^2/\text{NDF}: 330795.1/3$

Right Out: -2.793 ± 0.046 $\chi^2/\text{NDF}: 265022.4/18$

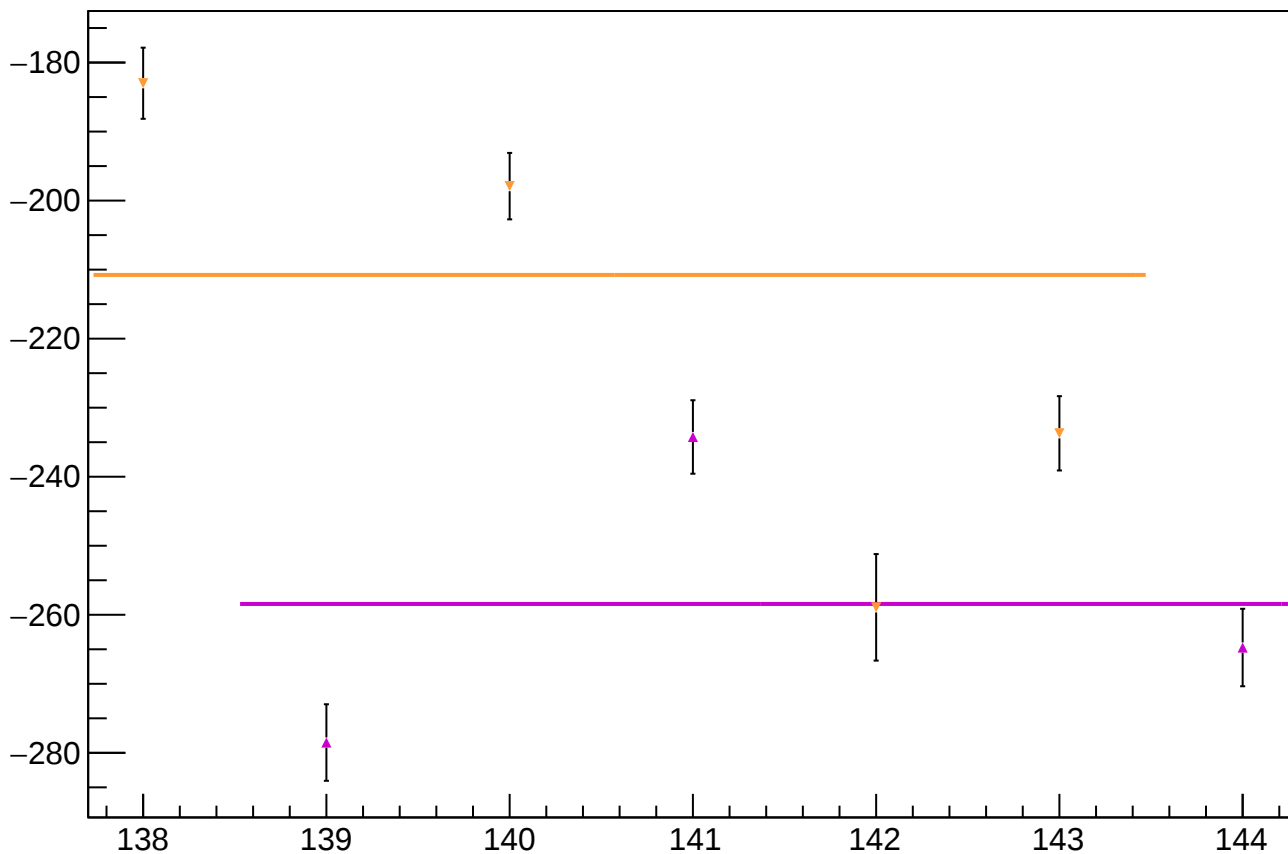
Left In: 26.118 ± 0.056 $\chi^2/\text{NDF}: 9035.7/2$

+ sign 2.639 ± 0.037 $\chi^2/\text{NDF}: 693051.2/20$

All: 5.774 ± 0.025 $\chi^2/\text{NDF}: 1140405.8/42$

- sign 8.734 ± 0.036 $\chi^2/\text{NDF}: 433042.7/21$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -210.767+/-2.751 χ^2/NDF : 93.3/3

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

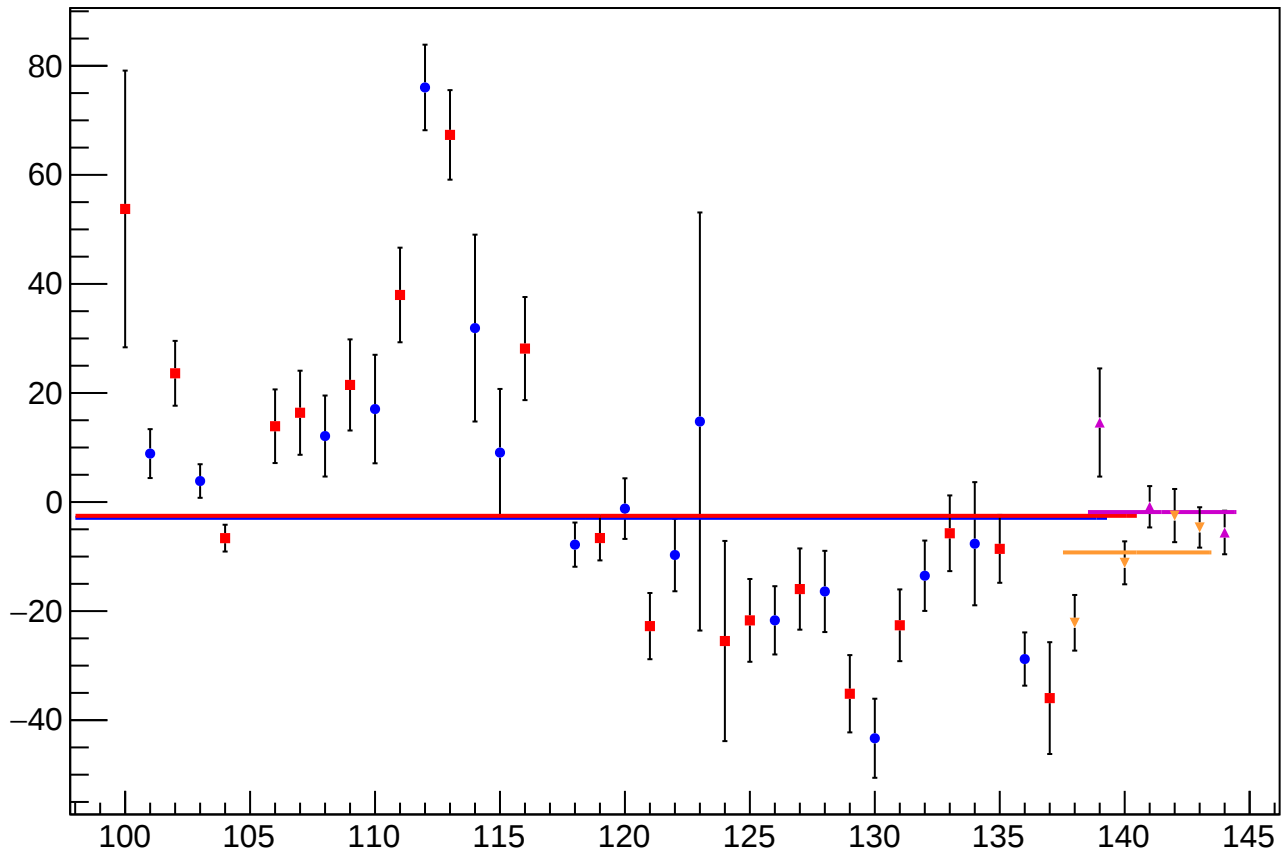
Left In: -258.432+/-3.169 χ^2/NDF : 35.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -231.255+/-2.077 χ^2/NDF : 257.3/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.891 ± 1.469 χ^2/NDF : 203.4/16

Left Out: -9.240 ± 2.143 χ^2/NDF : 10.1/3

Right Out: -2.525 ± 1.398 χ^2/NDF : 217.5/18

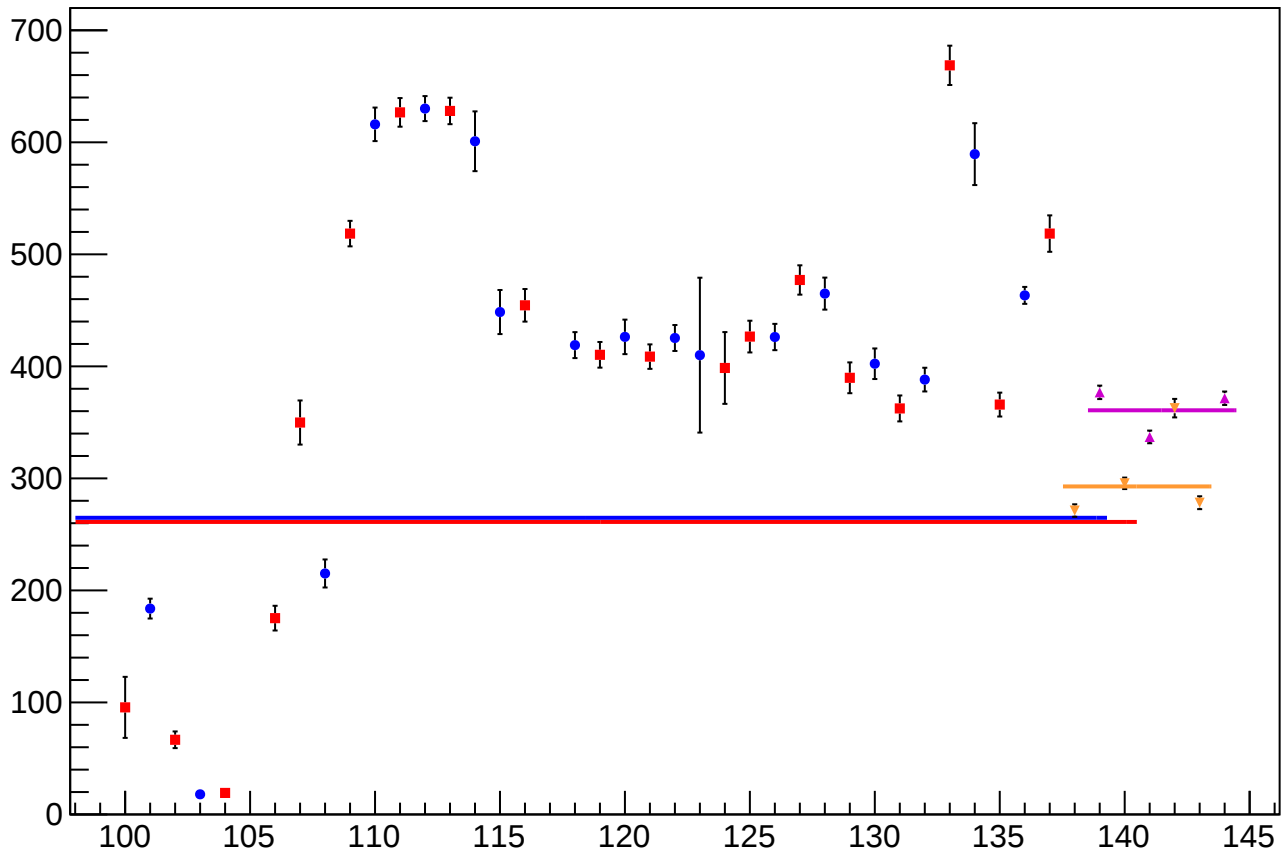
Left In: -1.838 ± 2.651 χ^2/NDF : 3.7/2

+ sign -4.921 ± 1.212 χ^2/NDF : 219.5/20

All: -3.674 ± 0.865 χ^2/NDF : 442.8/42

- sign -2.376 ± 1.236 χ^2/NDF : 221.2/21

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 264.819 $\pm$ 2.491 χ^2 /NDF: 7613.2/16

Left Out: 292.805 $\pm$ 2.948 χ^2 /NDF: 93.1/3

Right Out: 261.125 $\pm$ 2.460 χ^2 /NDF: 8195.5/18

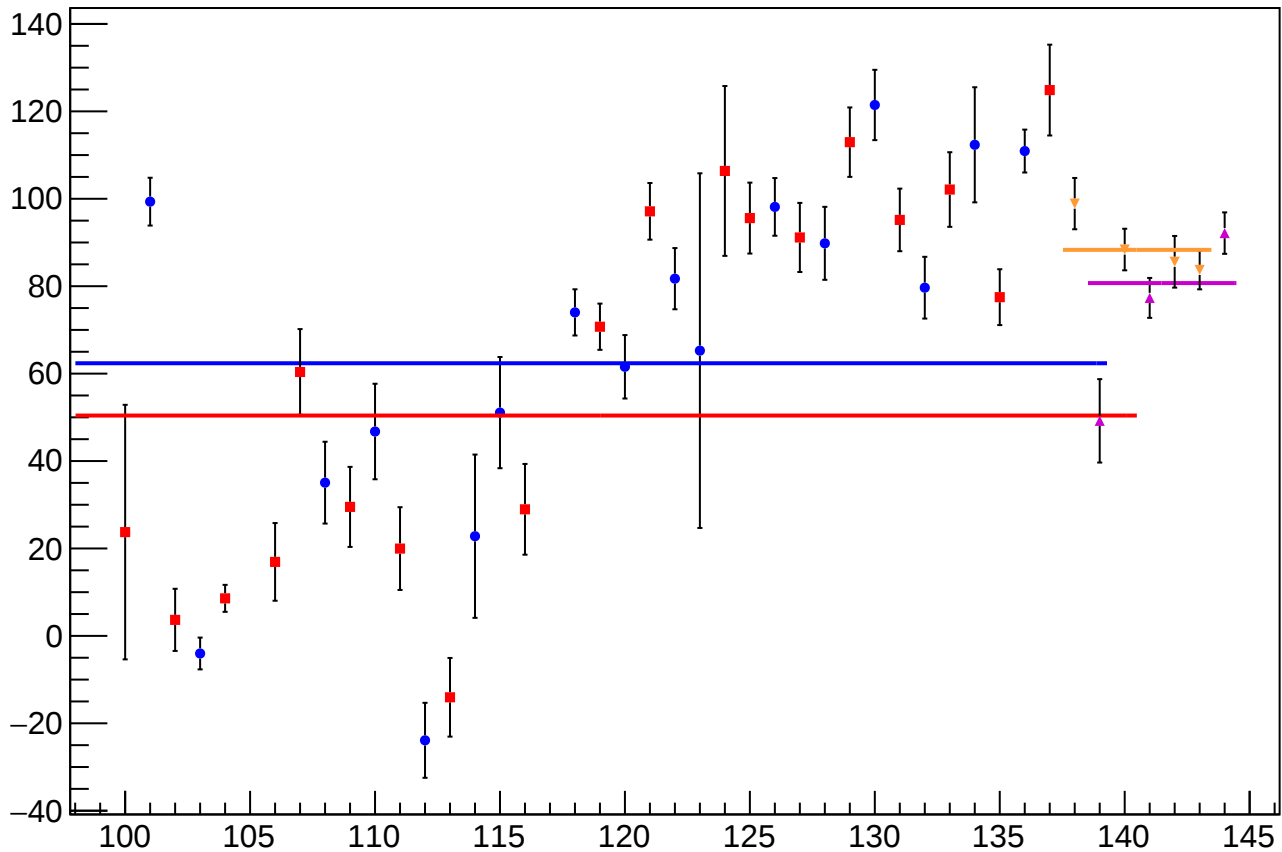
Left In: 360.781 $\pm$ 3.397 χ^2 /NDF: 28.0/2

+ sign 276.478 $\pm$ 1.903 χ^2 /NDF: 7758.9/20

All: 285.513 $\pm$ 1.376 χ^2 /NDF: 16594.2/42

- sign 295.421 $\pm$ 1.993 χ^2 /NDF: 8788.0/21

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.373 ± 1.697 χ^2/NDF : 720.9/16

Left Out: 88.317 ± 2.561 χ^2/NDF : 4.5/3

Right Out: 50.412 ± 1.644 χ^2/NDF : 653.8/18

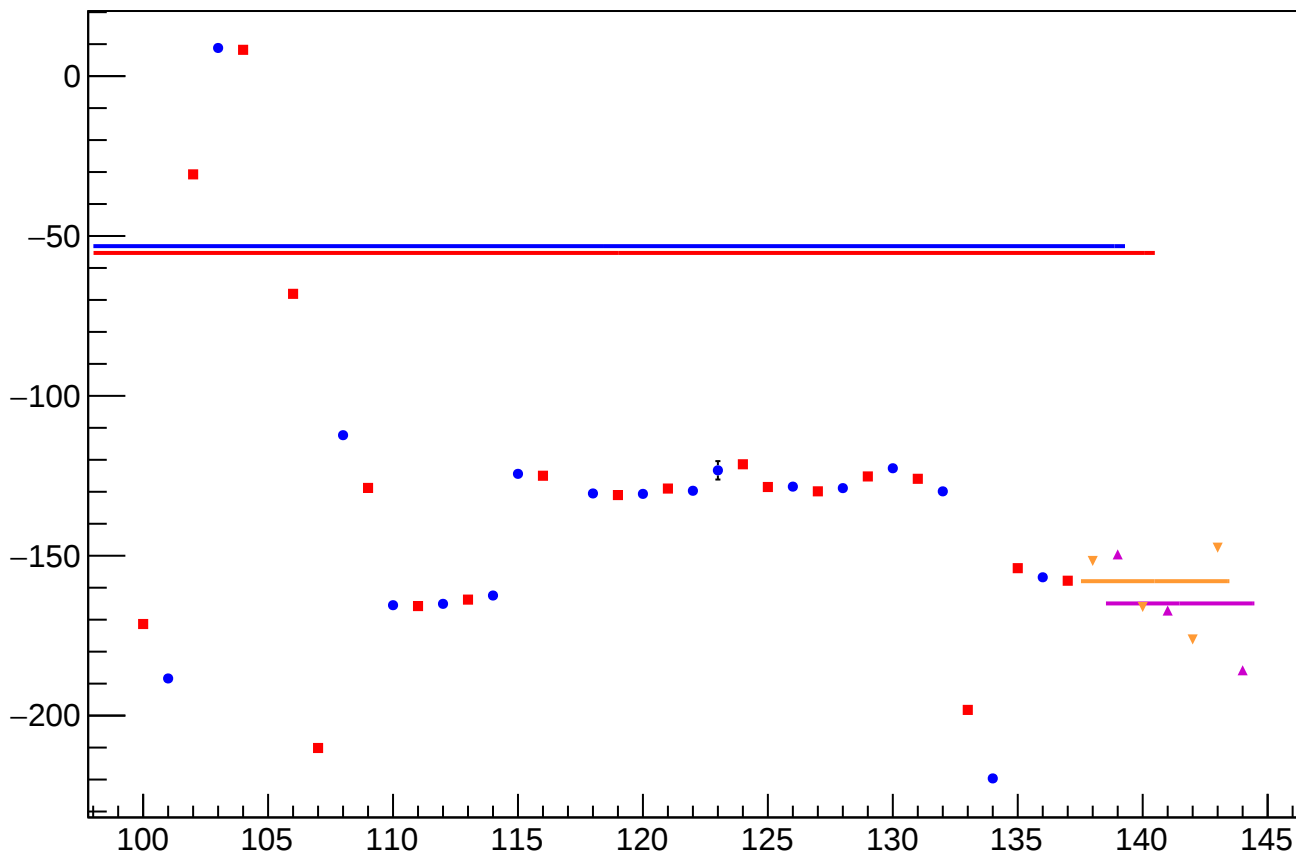
Left In: 80.715 ± 3.110 χ^2/NDF : 17.3/2

+ sign 70.286 ± 1.414 χ^2/NDF : 796.7/20

All: 63.838 ± 1.014 χ^2/NDF : 1584.7/42

- sign 57.031 ± 1.453 χ^2/NDF : 745.3/21

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.177 $\pm$ 0.070 χ^2 /NDF: 1223993.8/16

Left Out: -157.962 $\pm$ 0.121 χ^2 /NDF: 7183.2/3

Right Out: -55.301 $\pm$ 0.072 χ^2 /NDF: 965954.6/18

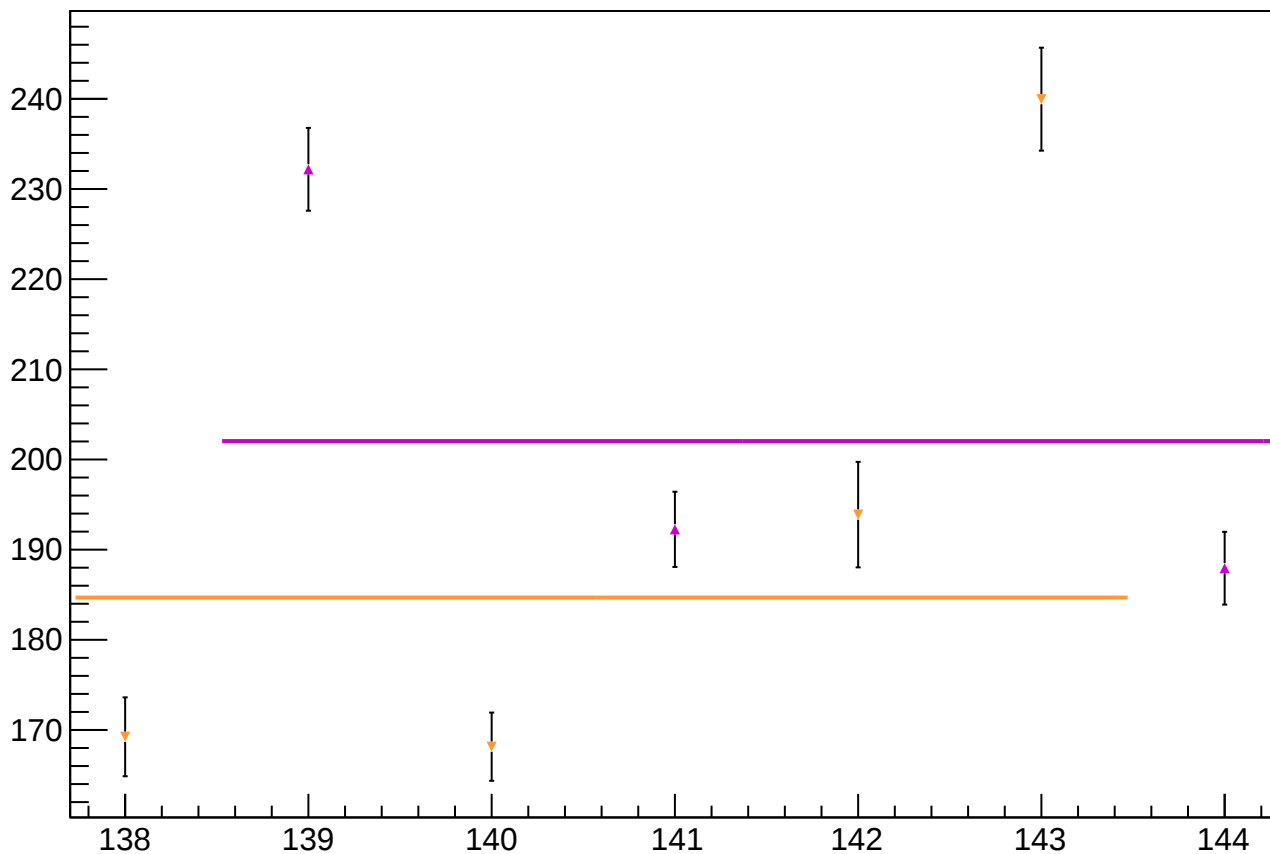
Left In: -164.921 $\pm$ 0.134 χ^2 /NDF: 11720.2/2

+ sign -79.650 $\pm$ 0.061 χ^2 /NDF: 1790110.4/20

All: -79.793 $\pm$ 0.044 χ^2 /NDF: 3289228.7/42

- sign -79.948 $\pm$ 0.063 χ^2 /NDF: 1499106.7/21

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 184.687+/-2.344 χ^2/NDF :127.7/3

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

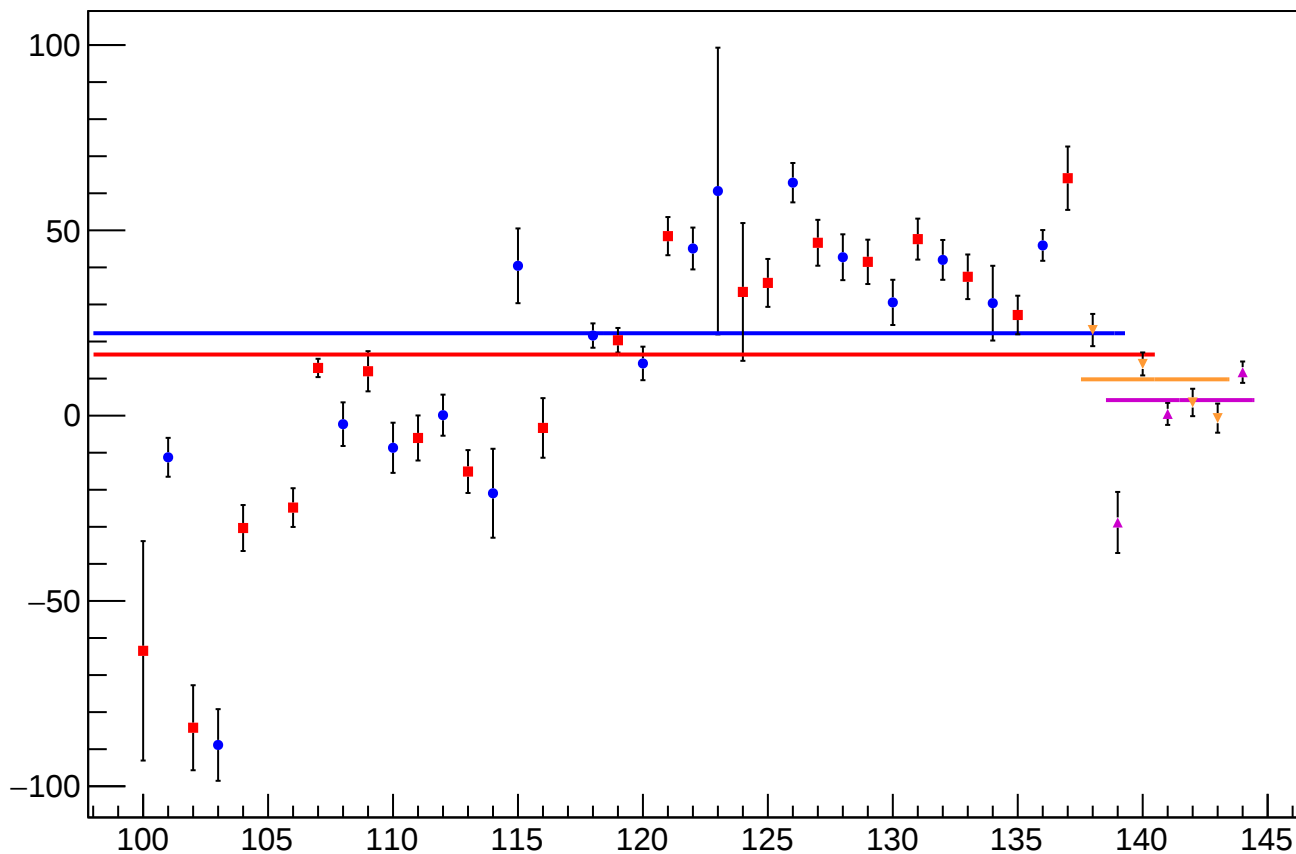
Left In: 202.044+/-2.452 χ^2/NDF :60.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 192.975+/-1.694 χ^2/NDF : 214.7/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.234 $\pm$ 1.398 χ^2 /NDF: 382.0/16

Left Out: 9.797 $\pm$ 1.841 χ^2 /NDF: 21.1/3

Right Out: 16.492 $\pm$ 1.229 χ^2 /NDF: 426.0/18

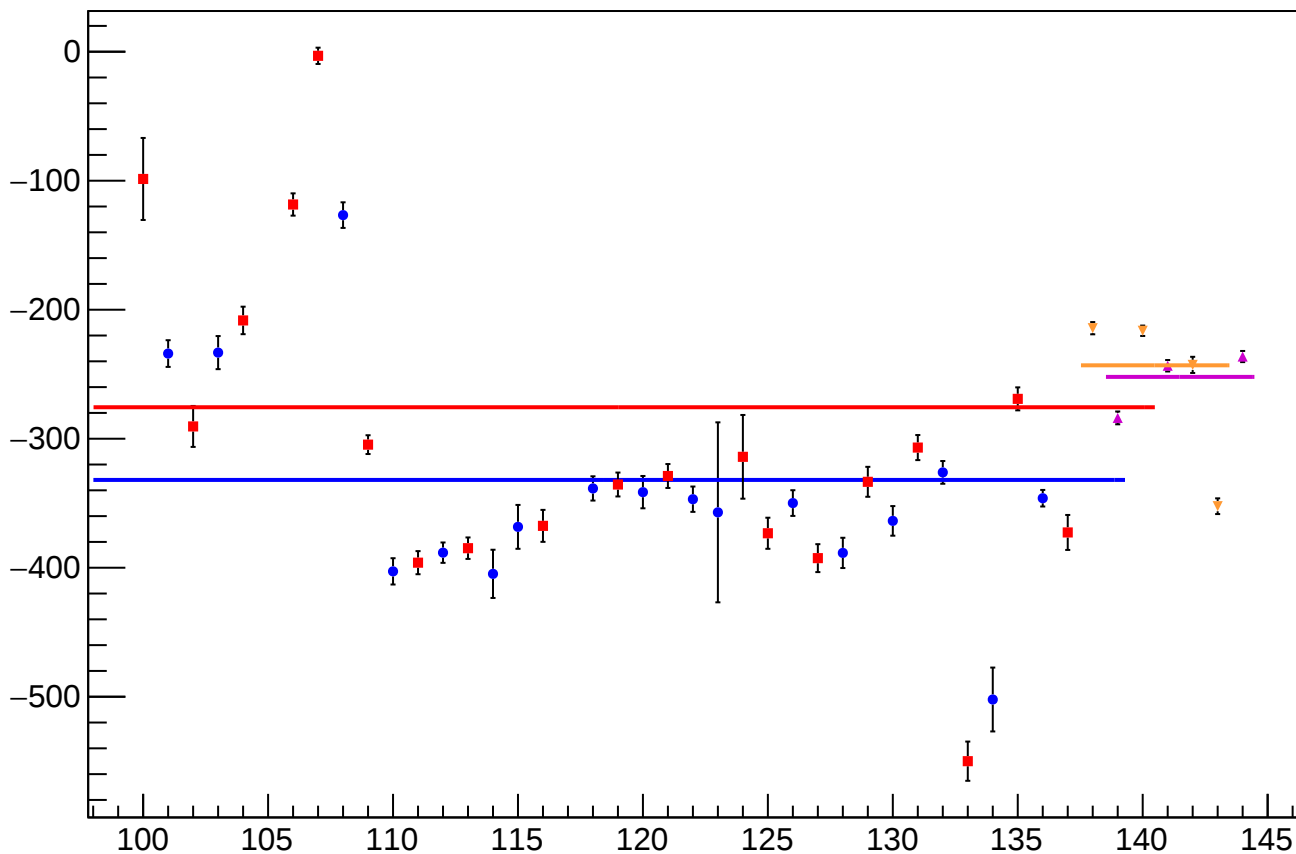
Left In: 4.194 $\pm$ 2.008 χ^2 /NDF: 24.5/2

+ sign 17.685 $\pm$ 1.113 χ^2 /NDF: 432.0/20

All: 15.275 $\pm$ 0.763 χ^2 /NDF: 918.6/42

- sign 13.141 $\pm$ 1.048 χ^2 /NDF: 477.8/21

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.943 ± 2.586 χ^2/NDF : 785.9/16

Left Out: -243.101 ± 2.512 χ^2/NDF : 401.9/3

Right Out: -275.603 ± 2.328 χ^2/NDF : 3358.3/18

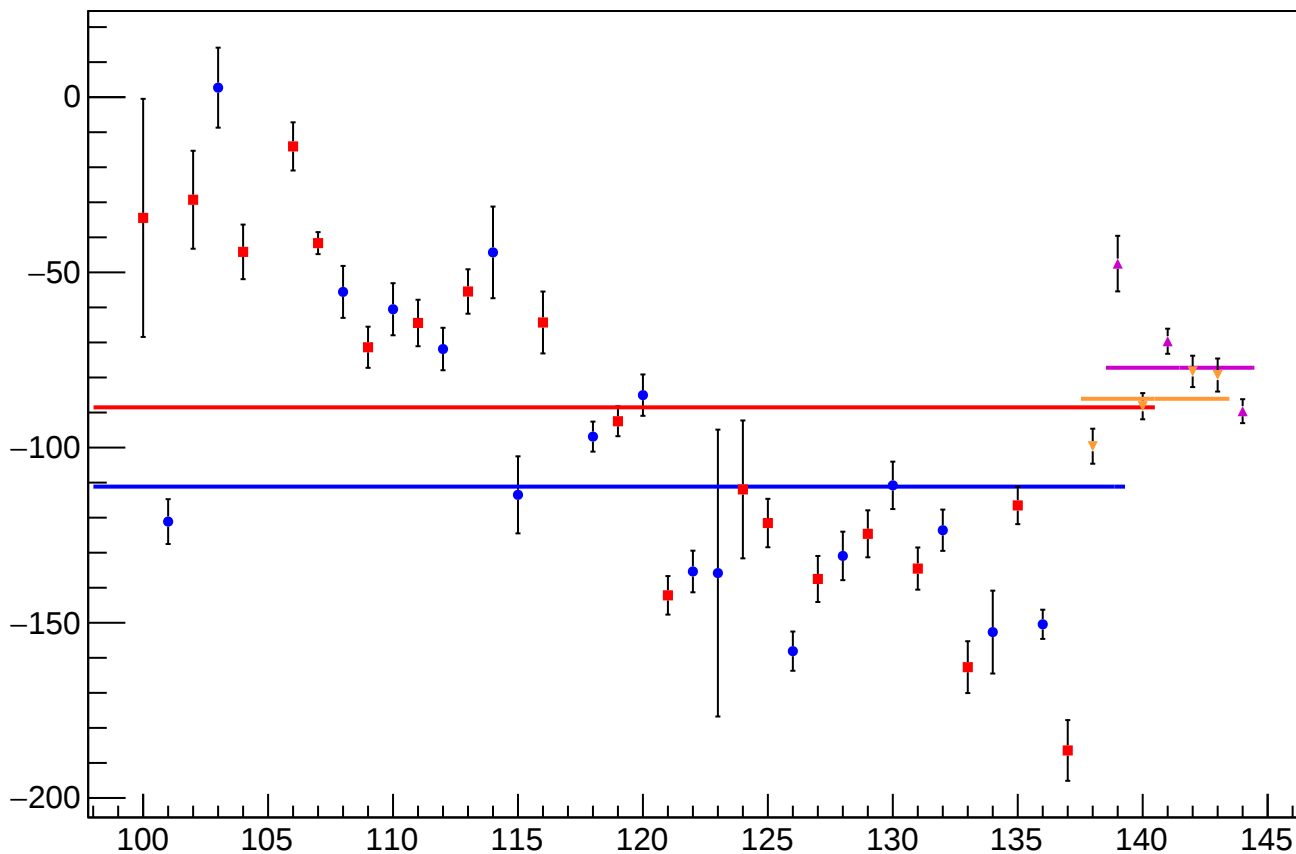
Left In: -252.069 ± 2.628 χ^2/NDF : 58.0/2

+ sign -286.238 ± 1.802 χ^2/NDF : 1795.2/20

All: -275.395 ± 1.252 χ^2/NDF : 5326.4/42

- sign -265.255 ± 1.742 χ^2/NDF : 3461.2/21

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.144 ± 1.601 χ^2/NDF : 504.6/16

Left Out: -86.074 ± 2.201 χ^2/NDF : 12.8/3

Right Out: -88.517 ± 1.435 χ^2/NDF : 968.7/18

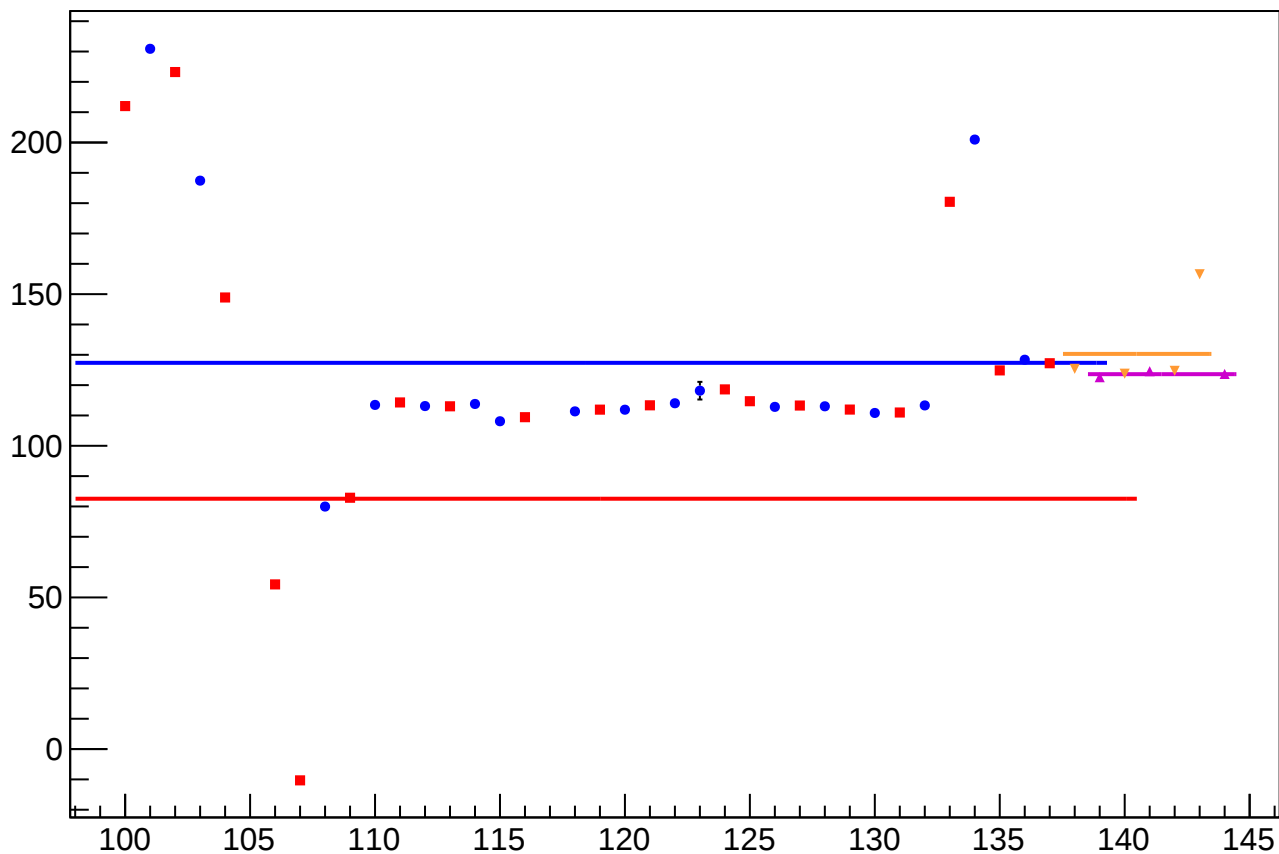
Left In: -77.216 ± 2.359 χ^2/NDF : 31.7/2

+ sign -102.469 ± 1.295 χ^2/NDF : 602.2/20

All: -93.505 ± 0.890 χ^2/NDF : 1710.3/42

- sign -85.465 ± 1.226 χ^2/NDF : 1017.1/21

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.355 $\pm$ 0.090 χ^2/NDF : 187728.6/16

Left Out: 130.298 $\pm$ 0.104 χ^2/NDF : 14060.0/3

Right Out: 82.546 $\pm$ 0.075 χ^2/NDF : 764737.8/18

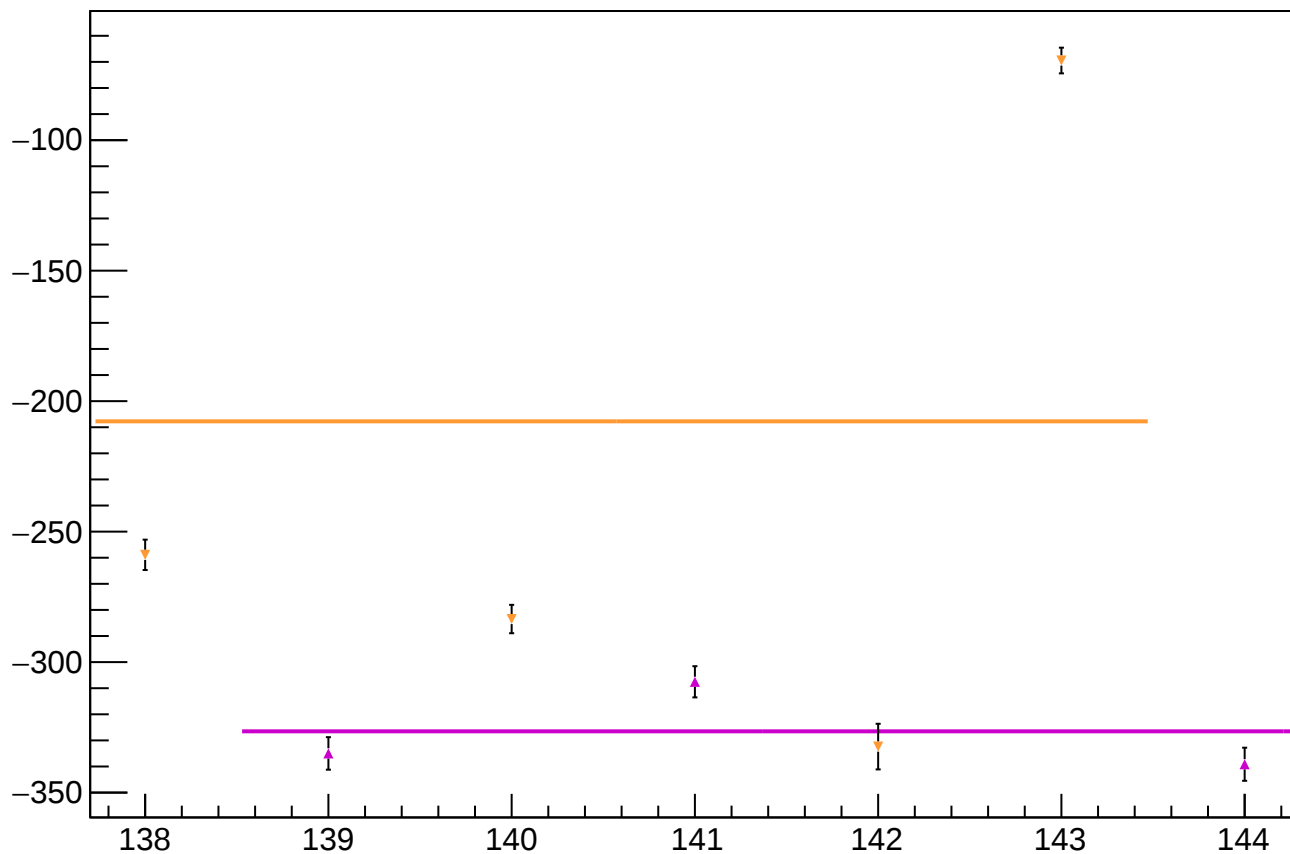
Left In: 123.616 $\pm$ 0.104 χ^2/NDF : 62.4/2

+ sign 128.613 $\pm$ 0.068 χ^2/NDF : 202250.1/20

All: 110.982 $\pm$ 0.045 χ^2/NDF : 1191492.5/42

- sign 96.631 $\pm$ 0.061 χ^2/NDF : 866470.2/21

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -207.741+/-2.915 χ^2/NDF :1263.1/3

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

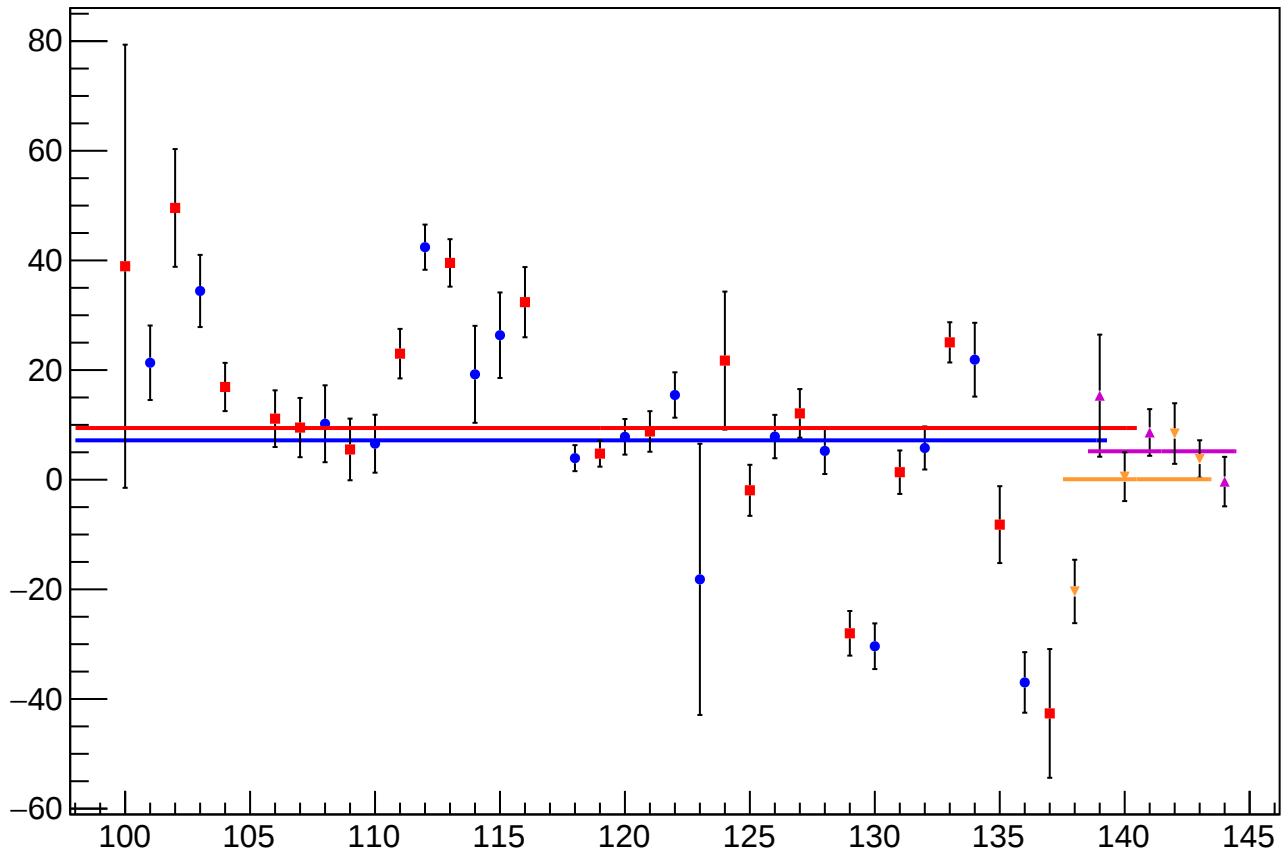
Left In: -326.522+/-3.566 χ^2/NDF :15.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -255.314+/-2.257 χ^2/NDF : 1944.1/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.181 ± 1.105 χ^2/NDF : 260.1/16

Left Out: 0.083 ± 2.244 χ^2/NDF : 16.0/3

Right Out: 9.427 ± 1.073 χ^2/NDF : 232.3/18

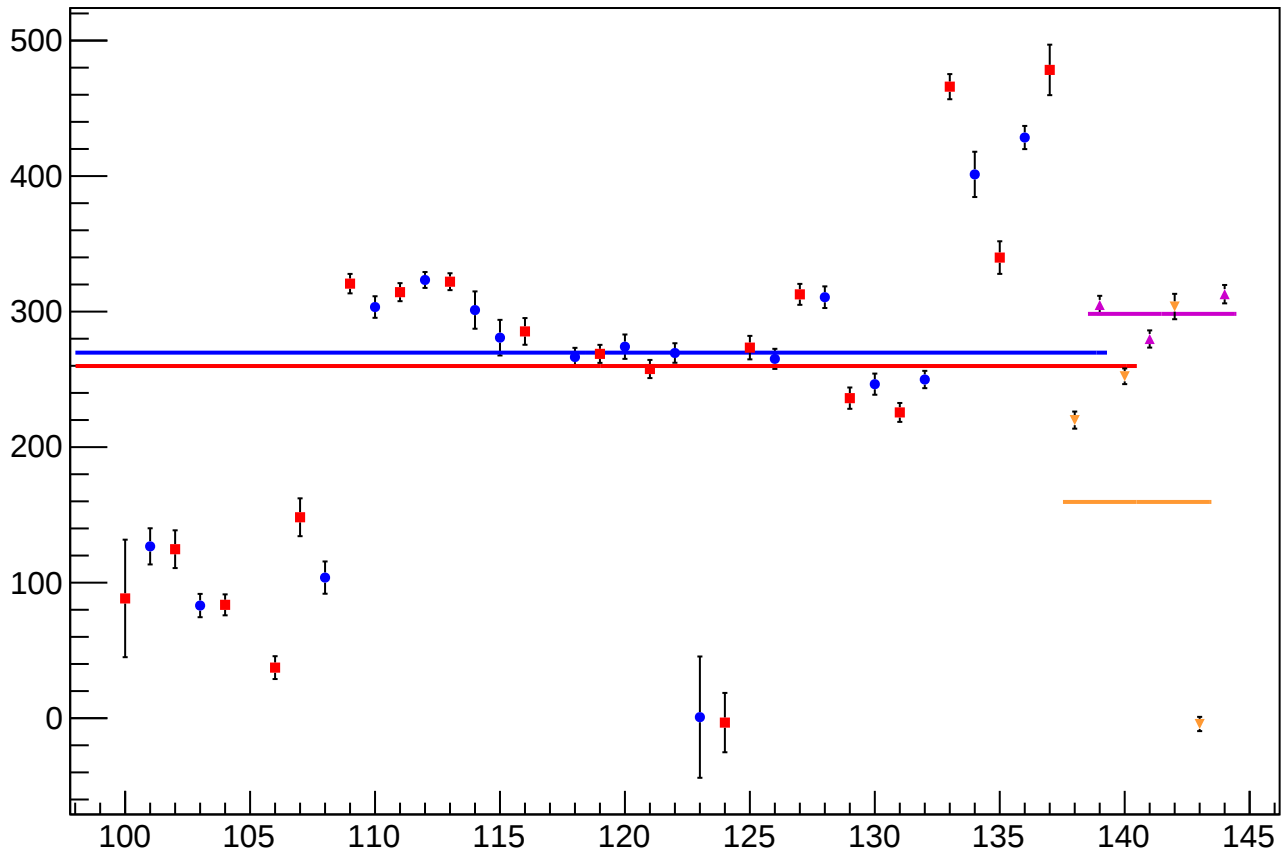
Left In: 5.185 ± 2.983 χ^2/NDF : 3.0/2

+ sign 5.795 ± 0.991 χ^2/NDF : 284.1/20

All: 7.340 ± 0.707 χ^2/NDF : 526.1/42

- sign 8.941 ± 1.009 χ^2/NDF : 237.0/21

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.720 $\pm$ 2.094 χ^2 /NDF: 1375.9/16

Left Out: 159.559 $\pm$ 3.122 χ^2 /NDF:1557.2/3

Right Out: 259.848 $\pm$ 1.981 χ^2 /NDF: 2540.4/18

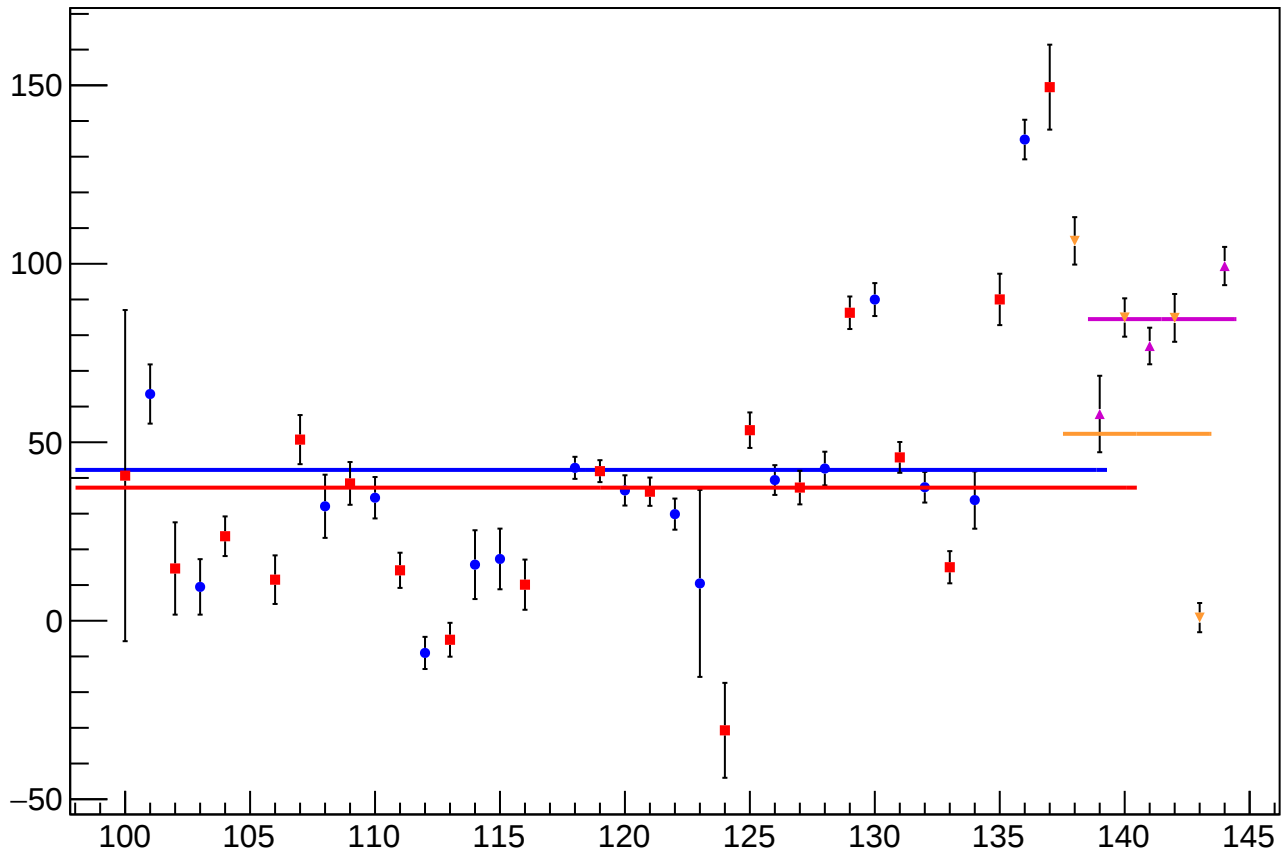
Left In: 298.328 $\pm$ 3.823 χ^2 /NDF:14.1/2

+ sign 235.539 $\pm$ 1.739 χ^2 /NDF: 3791.8/20

All: 251.584 $\pm$ 1.237 χ^2 /NDF: 6598.3/42

- sign 267.991 $\pm$ 1.759 χ^2 /NDF: 2634.3/21

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.255 $\pm$ 1.277 χ^2 /NDF: 573.1/16

Left Out: 52.367 $\pm$ 2.679 χ^2 /NDF: 284.9/3

Right Out: 37.288 $\pm$ 1.237 χ^2 /NDF: 470.5/18

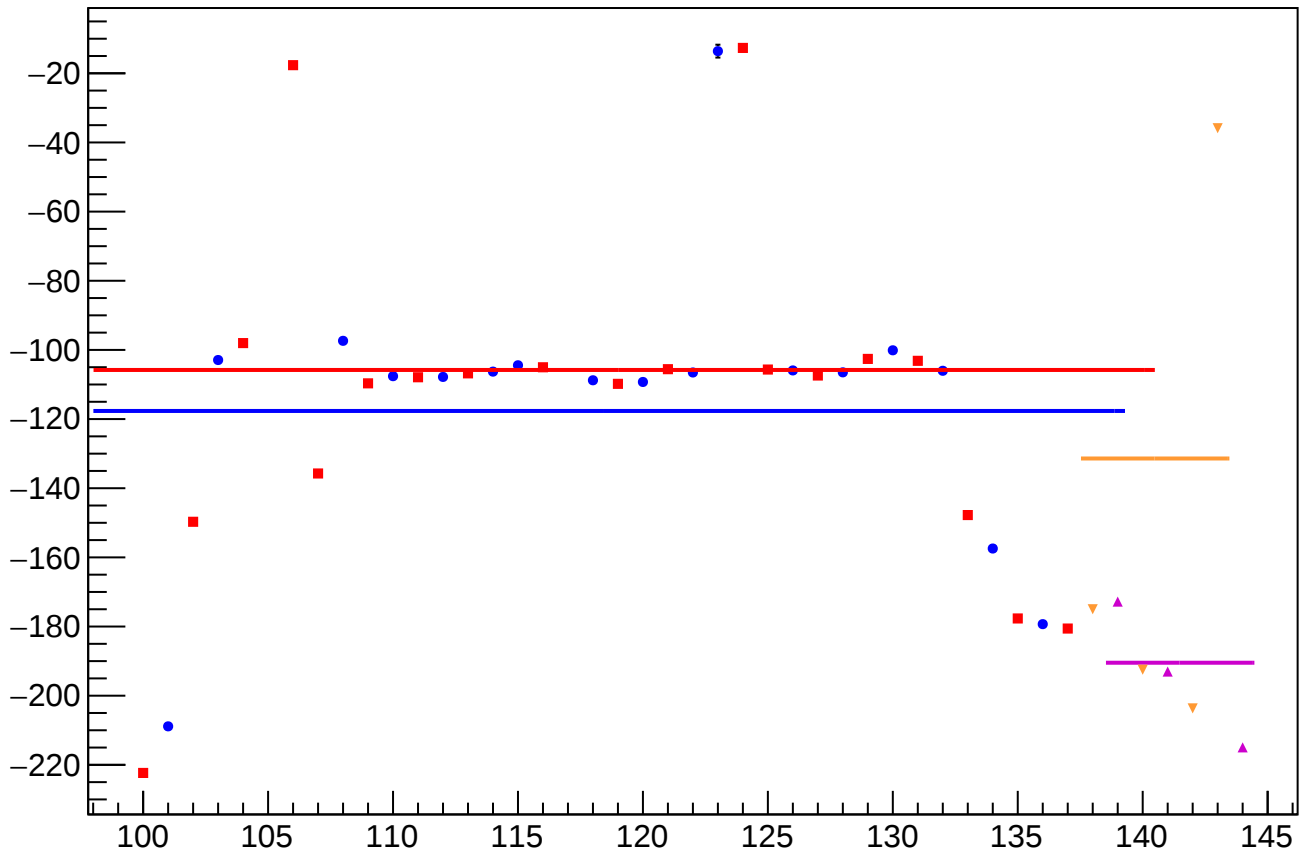
Left In: 84.502 $\pm$ 3.500 χ^2 /NDF: 16.0/2

+ sign 44.127 $\pm$ 1.152 χ^2 /NDF: 869.6/20

All: 43.338 $\pm$ 0.820 χ^2 /NDF: 1518.9/42

- sign 42.531 $\pm$ 1.166 χ^2 /NDF: 648.3/21

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.654+/-0.079 χ^2/NDF : 141832.7/16

Left Out: -131.402+/-0.128 χ^2/NDF : 331510.9/3

Right Out: -105.797+/-0.073 χ^2/NDF : 323120.4/18

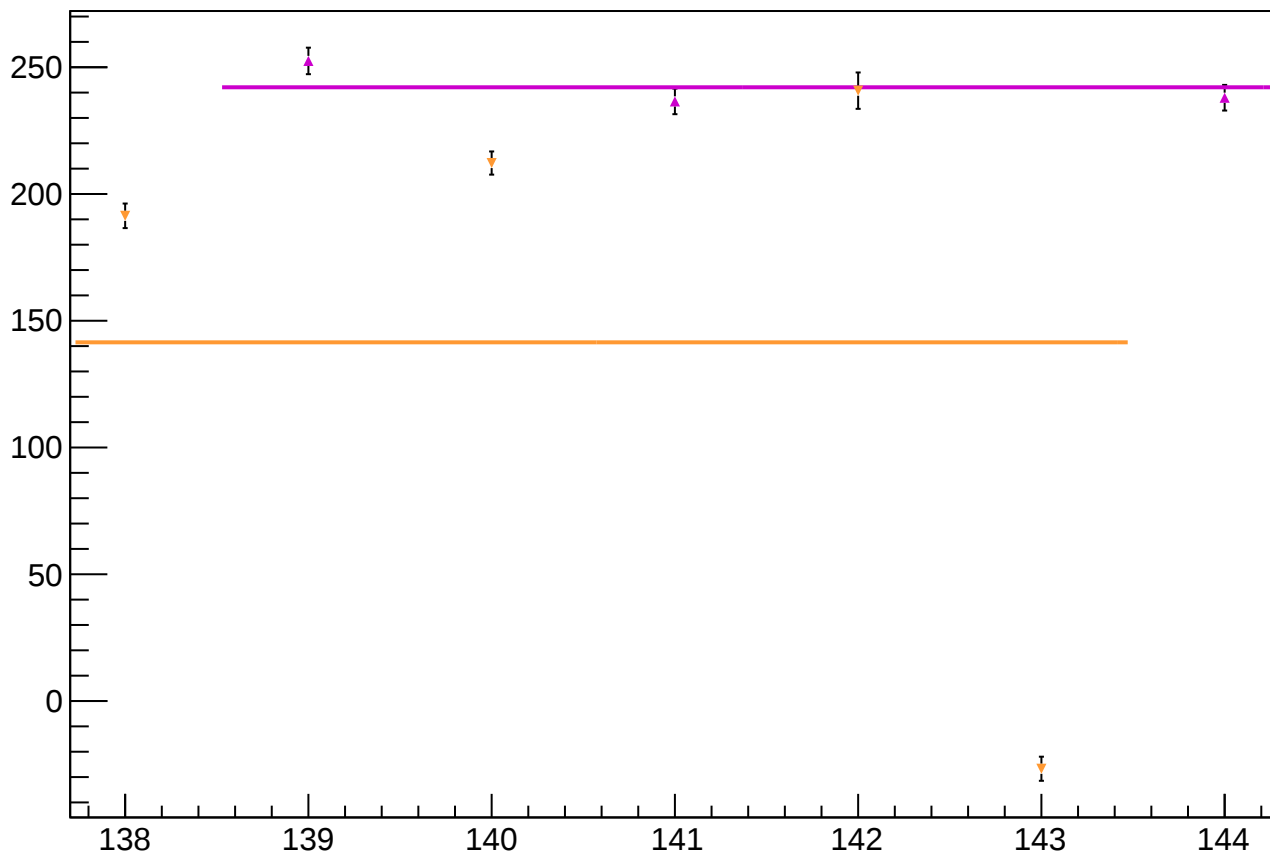
Left In: -190.468+/-0.150 χ^2/NDF : 12474.5/2

+ sign -121.430+/-0.067 χ^2/NDF : 481733.7/20

All: -121.688+/-0.047 χ^2/NDF : 1074407.1/42

- sign -121.935+/-0.066 χ^2/NDF : 592644.5/21

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 141.489+/-2.547 χ^2/NDF :1788.6/3

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

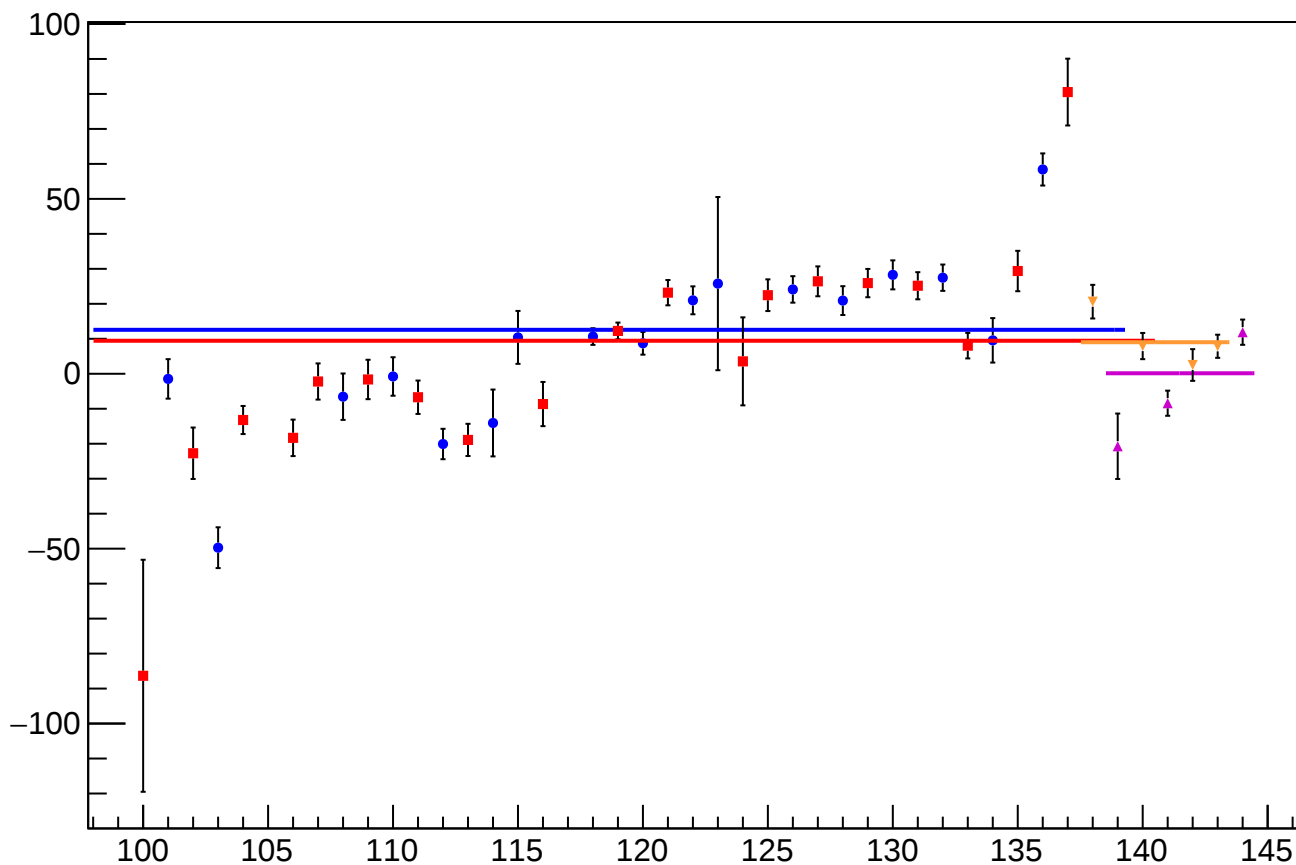
Left In: 242.094+/-2.948 χ^2/NDF :5.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 184.487+/-1.927 χ^2/NDF : 2461.2/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.569 ± 1.076 $\chi^2/\text{NDF}: 348.8/16$

Left Out: 9.020 ± 1.982 $\chi^2/\text{NDF}: 8.1/3$

Right Out: 9.442 ± 1.049 $\chi^2/\text{NDF}: 294.8/18$

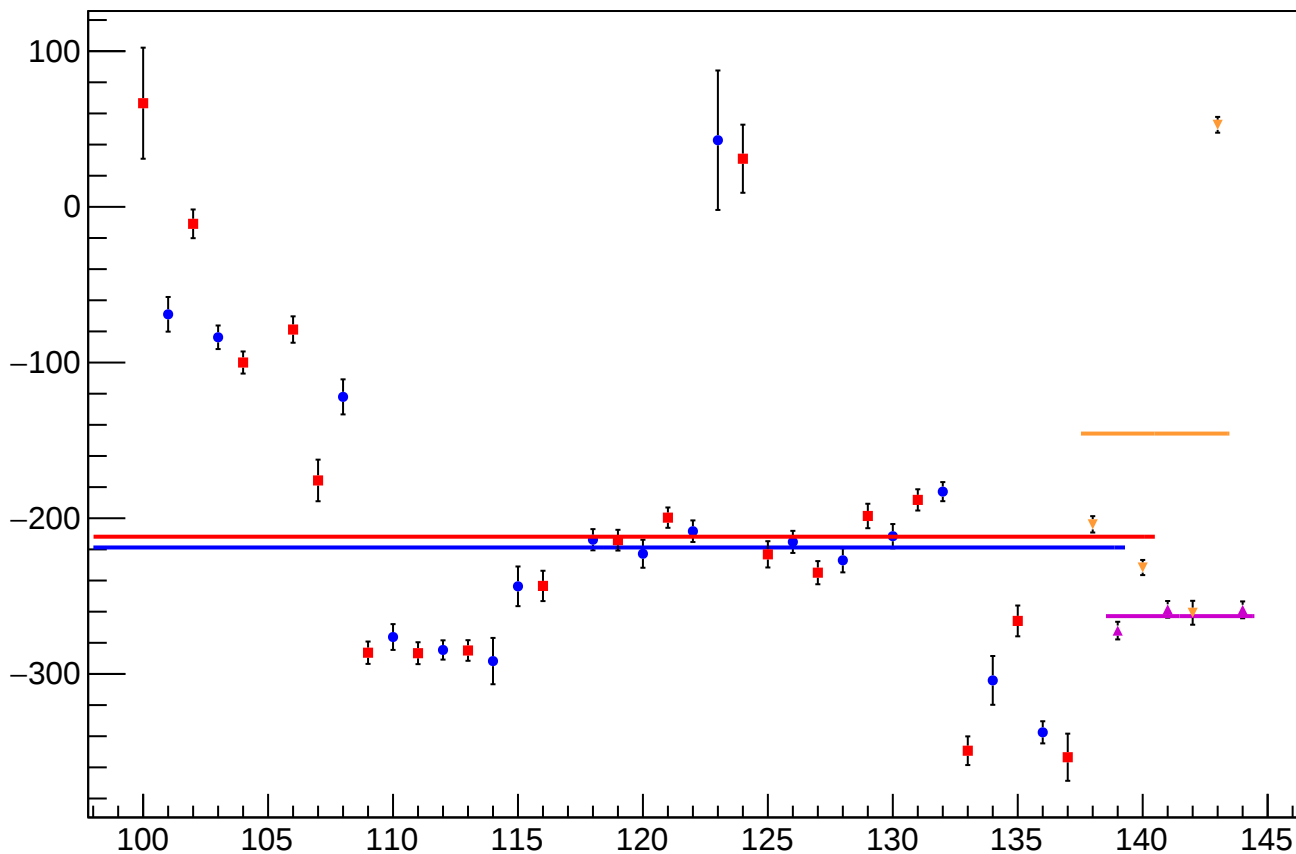
Left In: 0.144 ± 2.456 $\chi^2/\text{NDF}: 21.3/2$

+ sign 11.761 ± 0.946 $\chi^2/\text{NDF}: 359.4/20$

All: 9.922 ± 0.675 $\chi^2/\text{NDF}: 695.3/42$

- sign 8.008 ± 0.965 $\chi^2/\text{NDF}: 328.2/21$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.764 ± 2.027 $\chi^2/\text{NDF}: 1144.2/16$

Left Out: -145.610 ± 2.729 $\chi^2/\text{NDF}: 2187.3/3$

Right Out: -211.849 ± 1.927 $\chi^2/\text{NDF}: 1884.6/18$

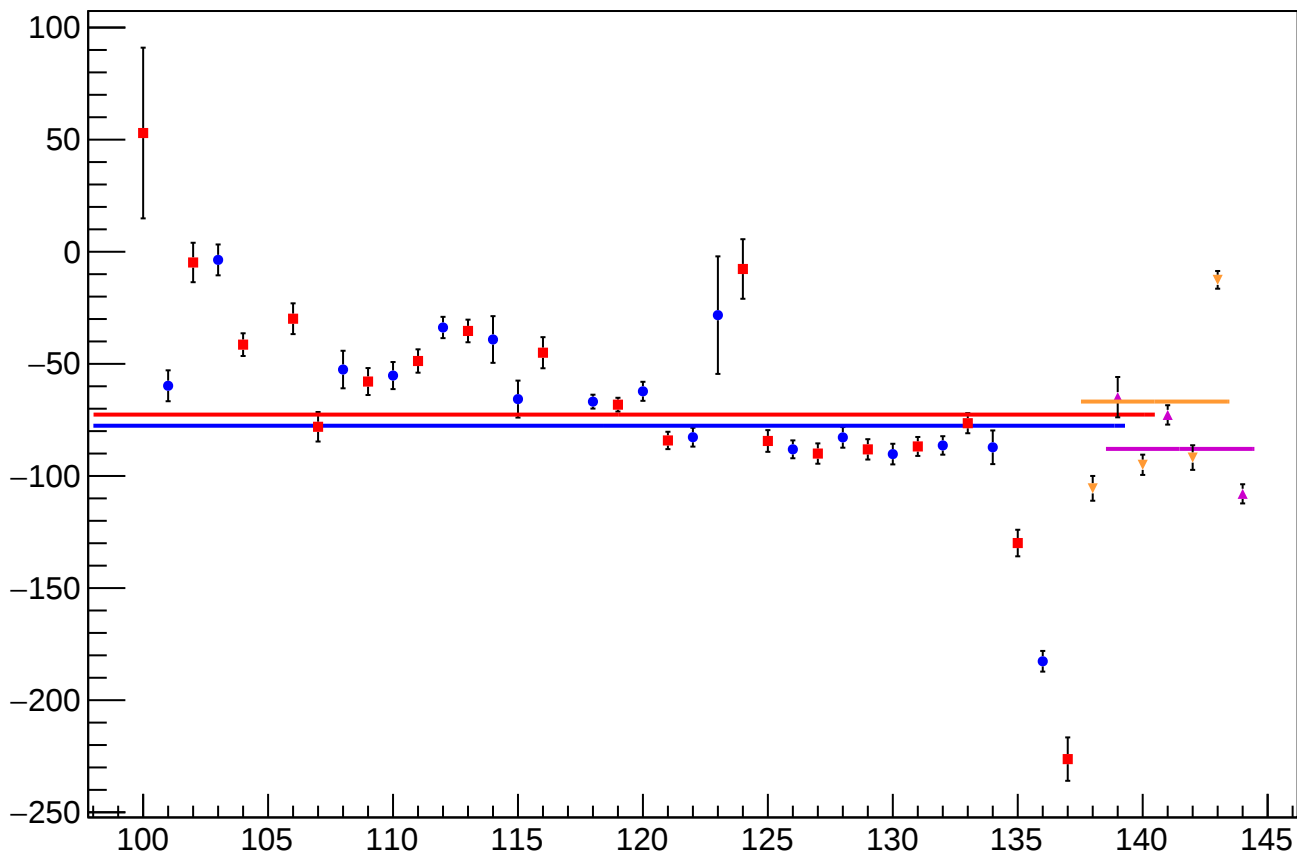
Left In: -262.860 ± 3.161 $\chi^2/\text{NDF}: 3.9/2$

+ sign -192.758 ± 1.627 $\chi^2/\text{NDF}: 3794.6/20$

All: -209.033 ± 1.157 $\chi^2/\text{NDF}: 6075.3/42$

- sign -225.677 ± 1.646 $\chi^2/\text{NDF}: 2078.4/21$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.591 ± 1.239 χ^2/NDF : 816.4/16

Left Out: -66.813 ± 2.364 χ^2/NDF : 297.3/3

Right Out: -72.629 ± 1.209 χ^2/NDF : 670.2/18

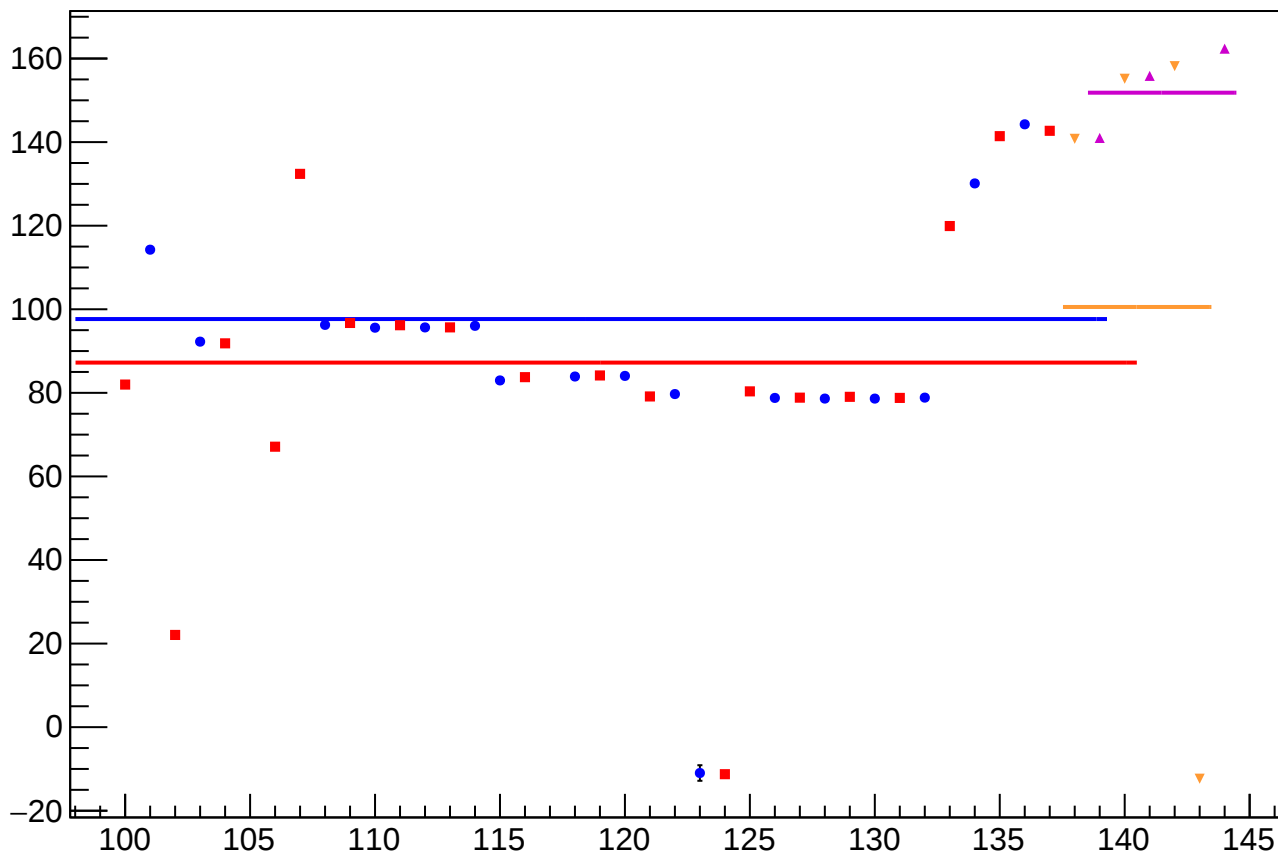
Left In: -87.927 ± 2.881 χ^2/NDF : 40.8/2

+ sign -75.269 ± 1.098 χ^2/NDF : 1130.1/20

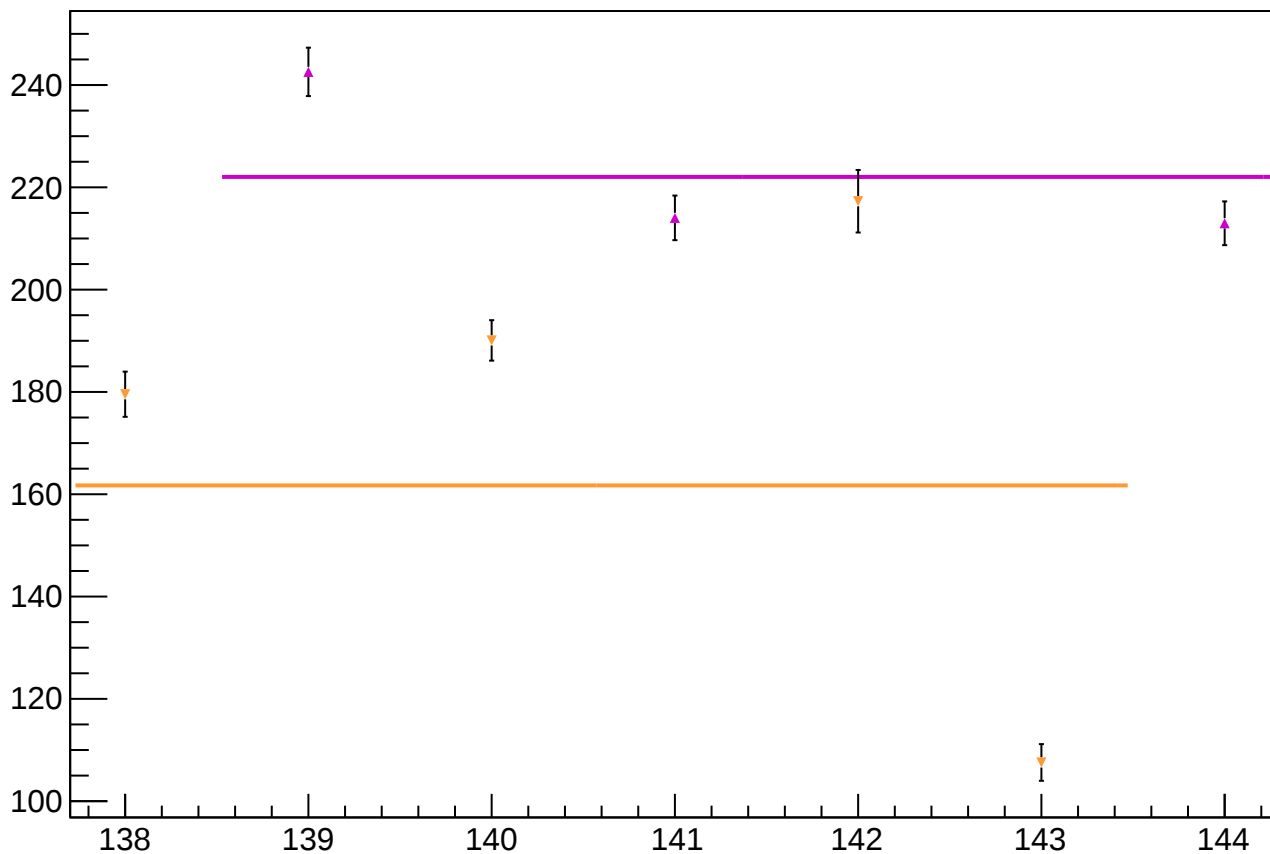
All: -75.096 ± 0.782 χ^2/NDF : 1865.1/42

- sign -74.919 ± 1.114 χ^2/NDF : 735.0/21

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



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: 161.727+/-2.133 χ^2/NDF : 378.5/3

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

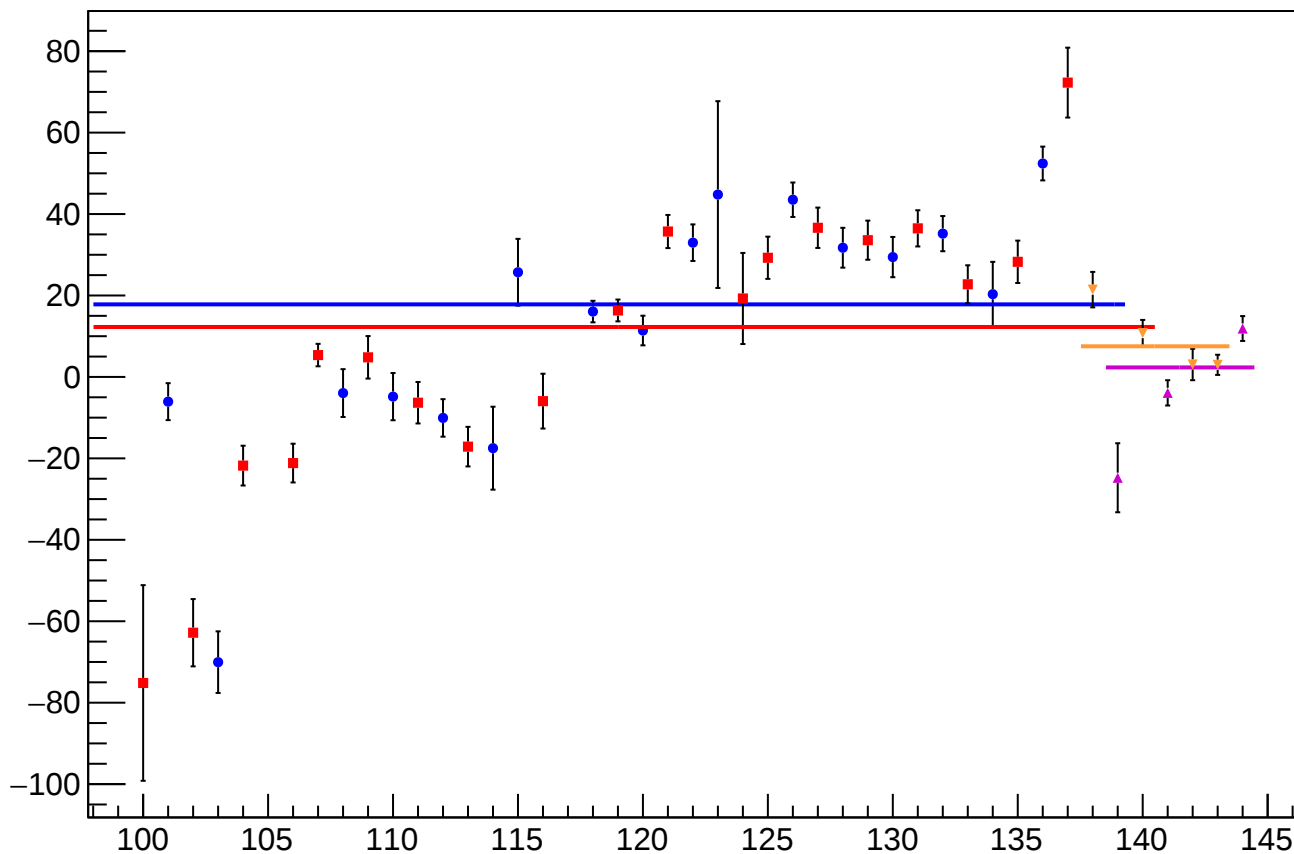
Left In: 222.036+/-2.565 χ^2/NDF : 26.7/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 186.380+/-1.640 χ^2/NDF : 732.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.818 $\pm$ 1.168 χ^2 /NDF: 394.0/16

Left Out: 7.523 $\pm$ 1.626 χ^2 /NDF:15.9/3

Right Out: 12.267 $\pm$ 1.085 χ^2 /NDF: 443.0/18

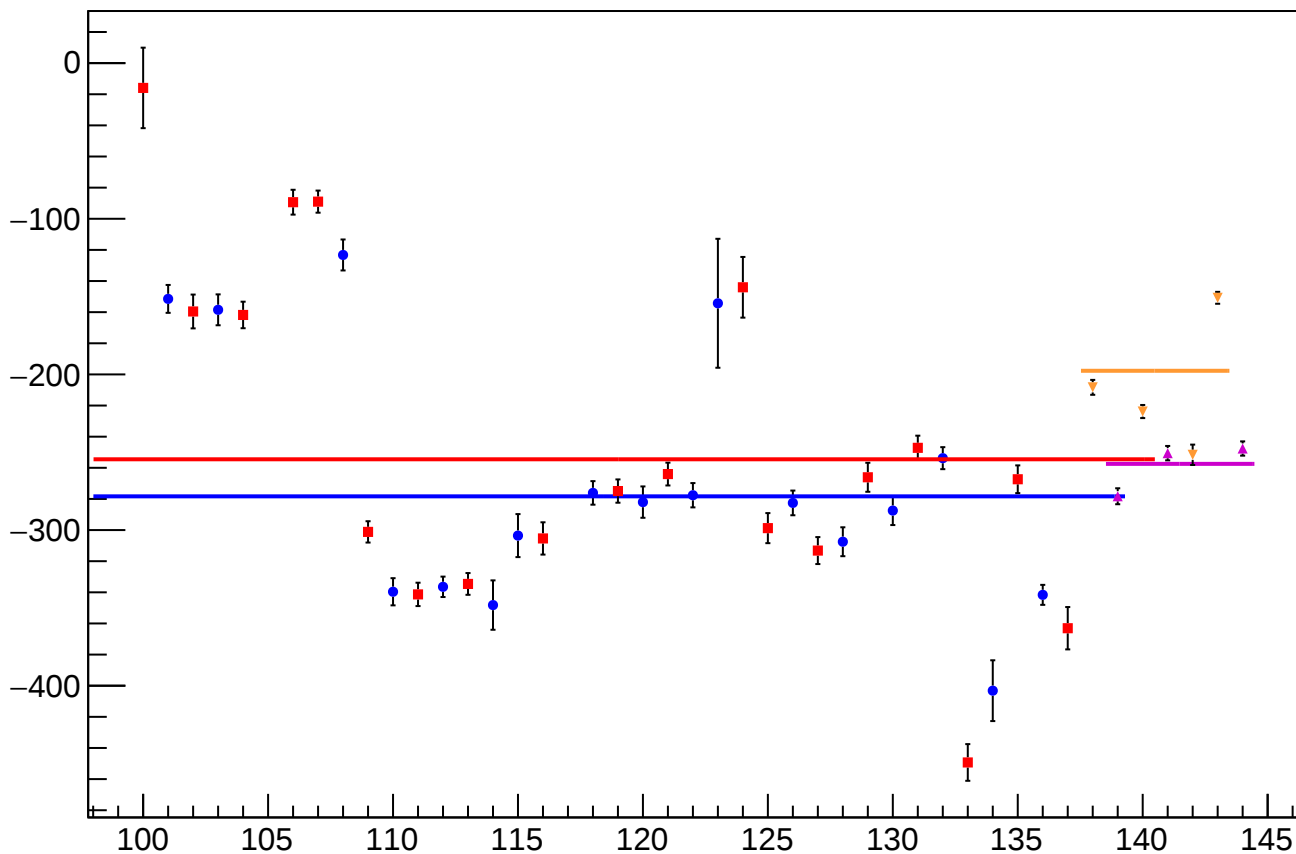
Left In: 2.333 $\pm$ 2.108 χ^2 /NDF:24.1/2

+ sign 14.312 $\pm$ 0.949 χ^2 /NDF: 436.4/20

All: 12.284 $\pm$ 0.676 χ^2 /NDF: 930.4/42

- sign 10.187 $\pm$ 0.965 χ^2 /NDF: 484.7/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.336 $\pm$ 2.190 χ^2 /NDF: 910.1/16

Left Out: -197.665 $\pm$ 2.284 χ^2 /NDF:261.8/3

Right Out: -254.529 $\pm$ 2.023 χ^2 /NDF: 2036.7/18

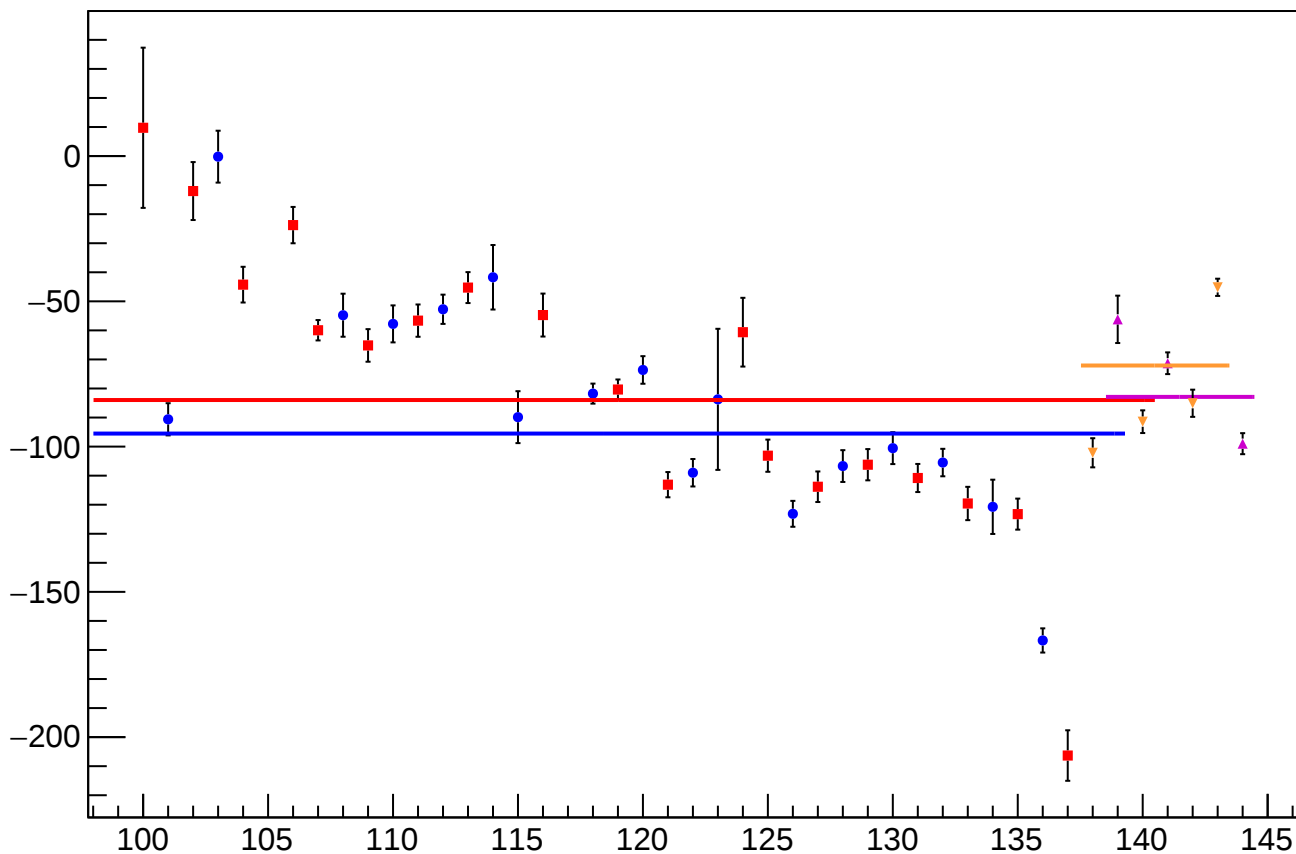
Left In: -257.469 $\pm$ 2.749 χ^2 /NDF:23.3/2

+ sign -239.701 $\pm$ 1.581 χ^2 /NDF: 1822.0/20

All: -247.391 $\pm$ 1.134 χ^2 /NDF: 3931.5/42

- sign -255.562 $\pm$ 1.629 χ^2 /NDF: 2060.7/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.515 ± 1.344 $\chi^2/\text{NDF}: 669.2/16$

Left Out: -72.088 ± 1.944 $\chi^2/\text{NDF}: 150.4/3$

Right Out: -83.971 ± 1.259 $\chi^2/\text{NDF}: 781.5/18$

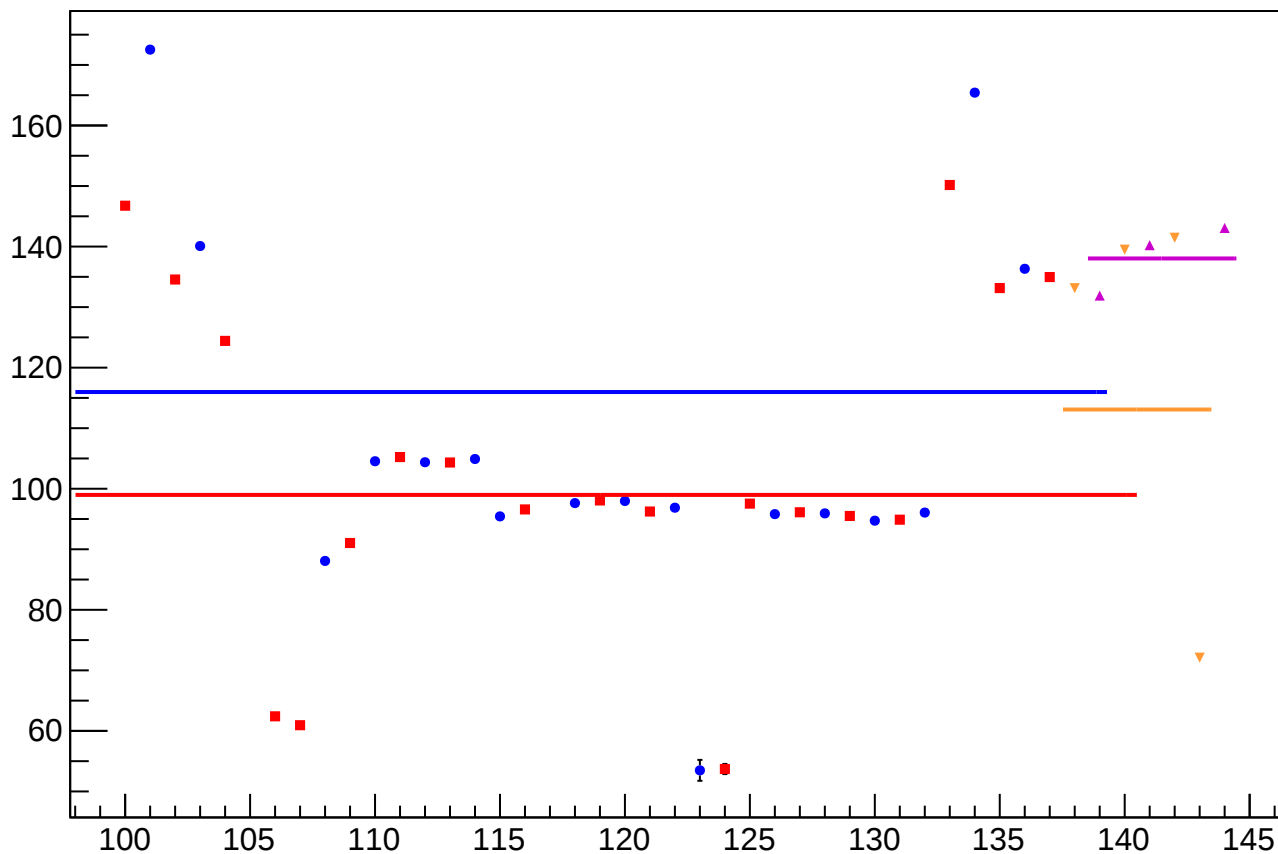
Left In: -82.889 ± 2.477 $\chi^2/\text{NDF}: 40.1/2$

+ sign -87.943 ± 1.105 $\chi^2/\text{NDF}: 917.9/20$

All: -85.878 ± 0.787 $\chi^2/\text{NDF}: 1746.7/42$

- sign -83.749 ± 1.122 $\chi^2/\text{NDF}: 821.8/21$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.974 $\pm$ 0.079 χ^2 /NDF: 105656.7/16

Left Out: 113.084 $\pm$ 0.094 χ^2 /NDF:114694.8/3

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172977.7/18

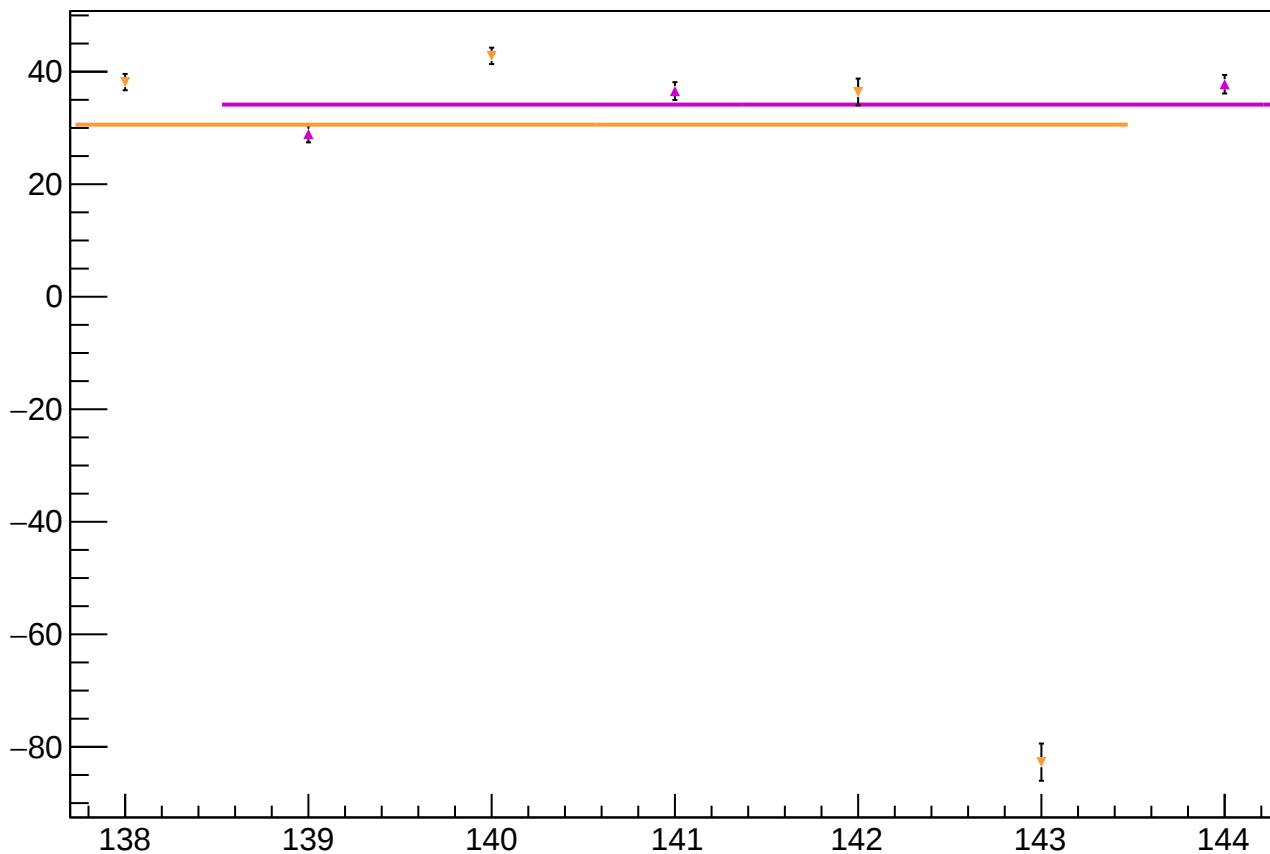
Left In: 138.035 $\pm$ 0.109 χ^2 /NDF:1928.7/2

+ sign 114.780 $\pm$ 0.060 χ^2 /NDF: 220910.4/20

All: 112.341 $\pm$ 0.042 χ^2 /NDF: 490966.6/42

- sign 110.069 $\pm$ 0.058 χ^2 /NDF: 266881.2/21

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: 30.595+/-0.909 χ^2/NDF :1274.7/3

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

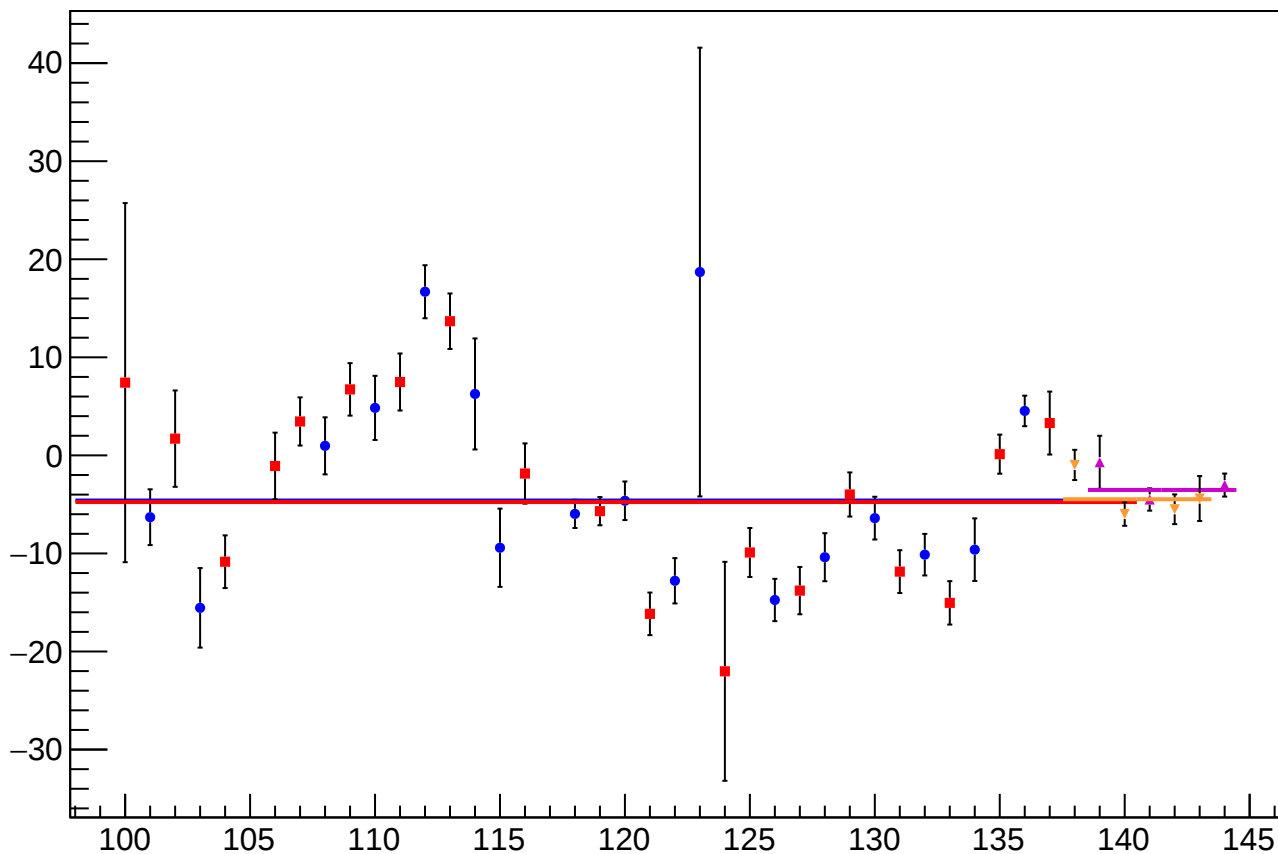
Left In: 34.154+/-0.910 χ^2/NDF :19.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 32.372+/-0.643 χ^2/NDF : 1301.4/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -4.606 ± 0.589 χ^2/NDF : 173.4/16

Left Out: -4.471 ± 0.759 χ^2/NDF : 7.2/3

Right Out: -4.758 ± 0.585 χ^2/NDF : 192.3/18

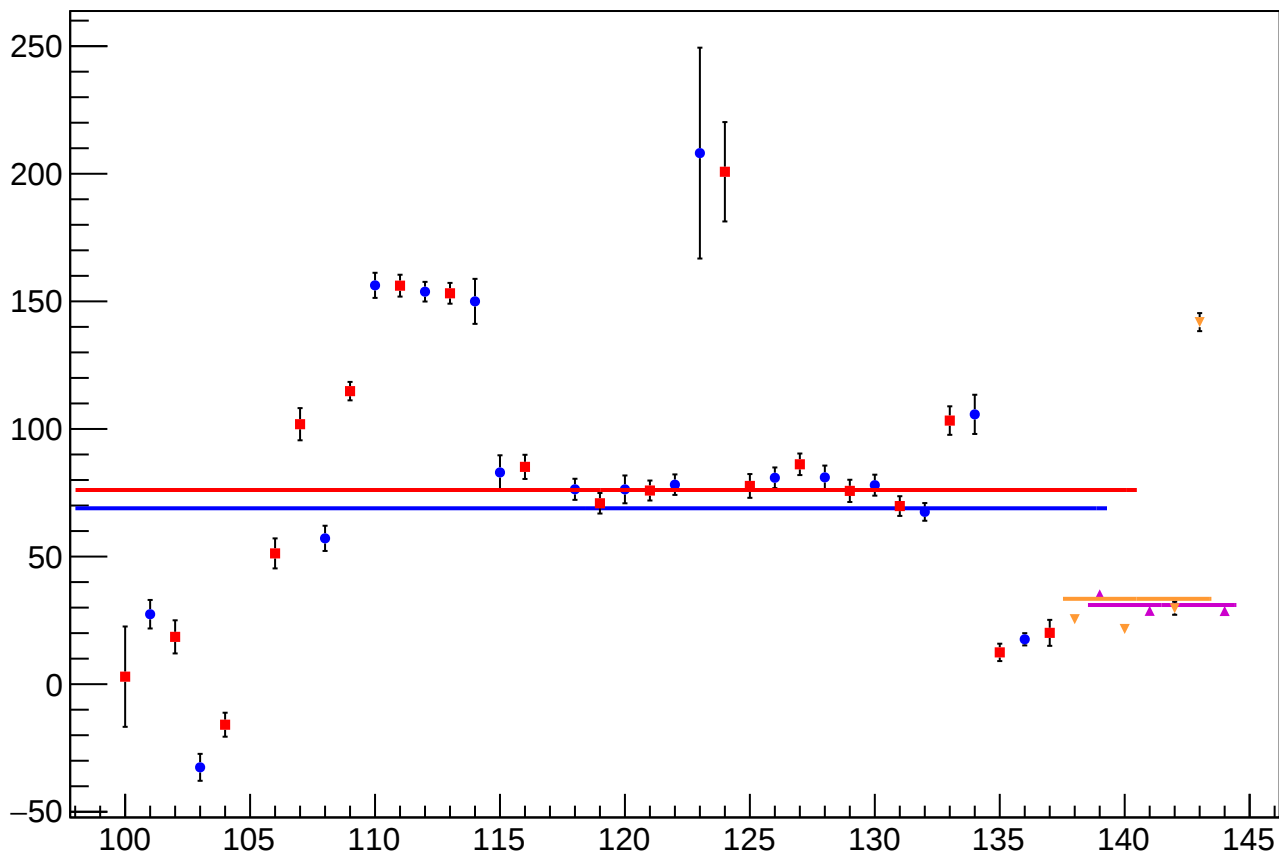
Left In: -3.528 ± 0.782 χ^2/NDF : 2.0/2

+ sign -4.556 ± 0.465 χ^2/NDF : 180.6/20

All: -4.437 ± 0.330 χ^2/NDF : 376.6/42

- sign -4.316 ± 0.469 χ^2/NDF : 195.9/21

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 68.921 $\pm$ 1.086 χ^2 /NDF: 1844.0/16

Left Out: 33.445 $\pm$ 0.976 χ^2 /NDF:1027.0/3

Right Out: 76.086 $\pm$ 1.072 χ^2 /NDF: 1881.7/18

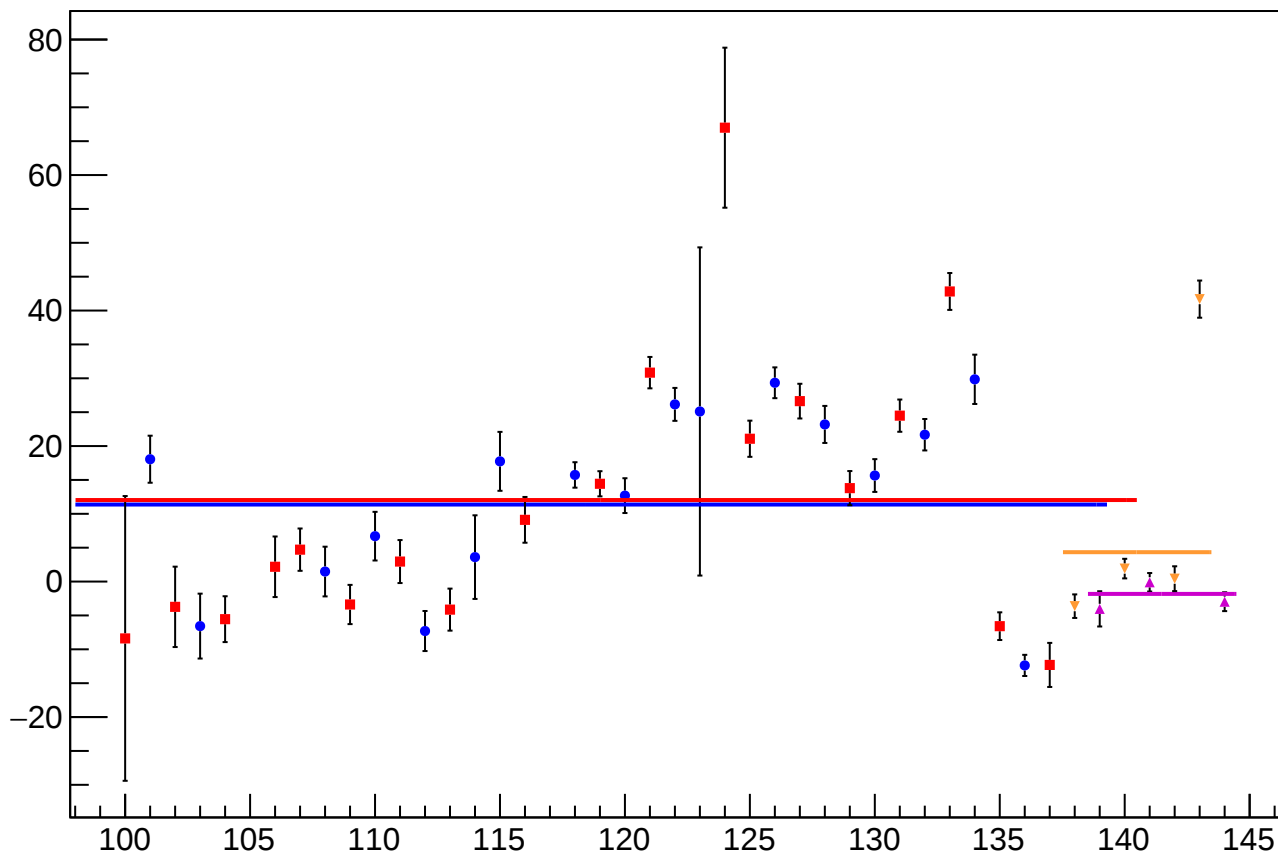
Left In: 31.021 $\pm$ 0.976 χ^2 /NDF:10.1/2

+ sign 49.295 $\pm$ 0.726 χ^2 /NDF: 3461.6/20

All: 50.381 $\pm$ 0.512 χ^2 /NDF: 6324.0/42

- sign 51.455 $\pm$ 0.722 χ^2 /NDF: 2858.0/21

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.369 $\pm$ 0.667 χ^2 /NDF: 474.4/16

Left Out: 4.336 $\pm$ 0.898 χ^2 /NDF: 213.8/3

Right Out: 12.033 $\pm$ 0.665 χ^2 /NDF: 537.8/18

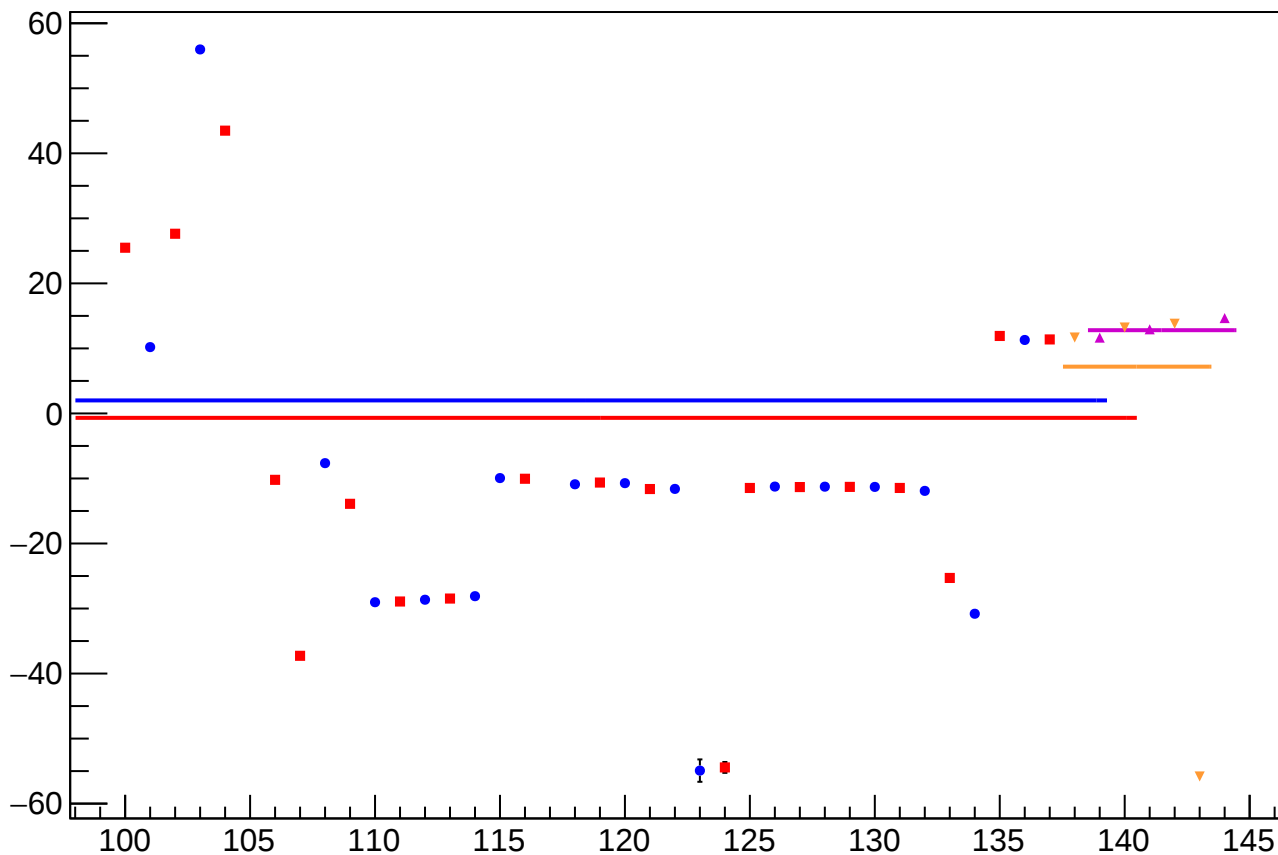
Left In: -1.822 $\pm$ 0.912 χ^2 /NDF: 3.0/2

+ sign 8.868 $\pm$ 0.535 χ^2 /NDF: 727.7/20

All: 8.048 $\pm$ 0.379 χ^2 /NDF: 1423.8/42

- sign 7.221 $\pm$ 0.537 χ^2 /NDF: 691.4/21

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.002 $\pm$ 0.037 χ^2/NDF : 357872.4/16

Left Out: 7.194 $\pm$ 0.040 χ^2/NDF : 215628.4/3

Right Out: -0.678 $\pm$ 0.037 χ^2/NDF : 360956.7/18

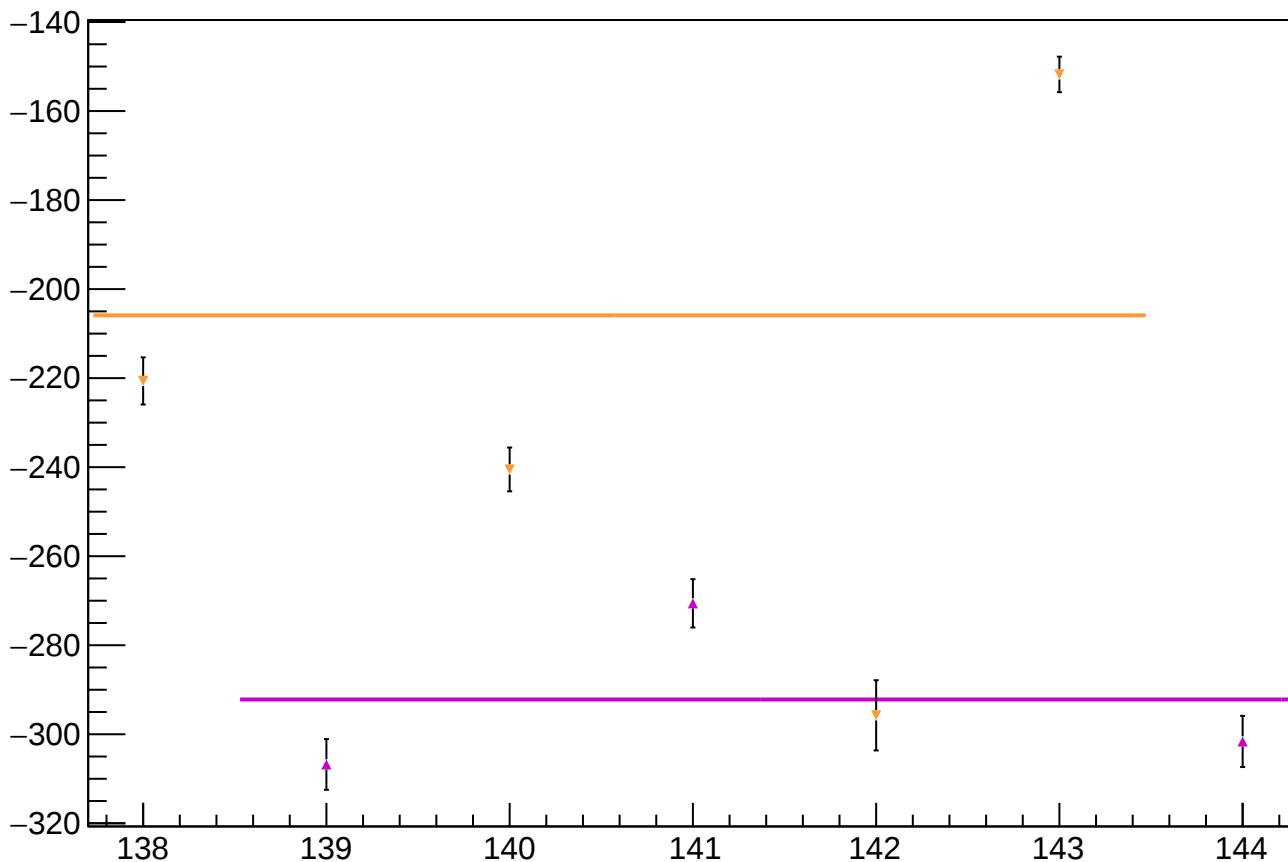
Left In: 12.801 $\pm$ 0.038 χ^2/NDF : 986.3/2

+ sign 4.423 $\pm$ 0.027 χ^2/NDF : 582581.6/20

All: 5.175 $\pm$ 0.019 χ^2/NDF : 1010180.4/42

- sign 5.896 $\pm$ 0.027 χ^2/NDF : 426097.2/21

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: -205.887+/-2.533 χ^2/NDF : 371.1/3

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

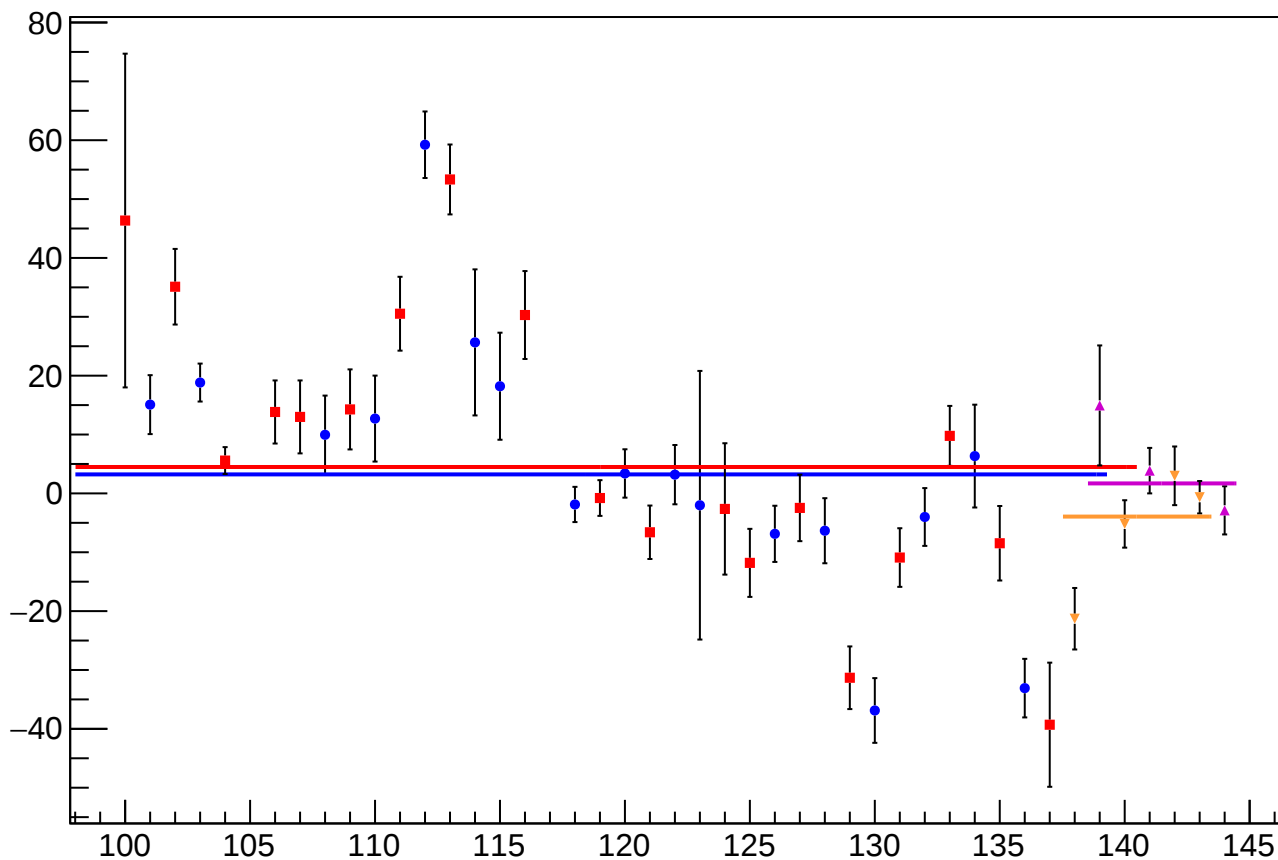
Left In: -292.188+/-3.245 χ^2/NDF : 25.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -238.560+/-1.997 χ^2/NDF : 835.7/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.227 ± 1.246 χ^2/NDF : 255.1/16

Left Out: -3.940 ± 1.923 χ^2/NDF : 14.5/3

Right Out: 4.485 ± 1.158 χ^2/NDF : 225.1/18

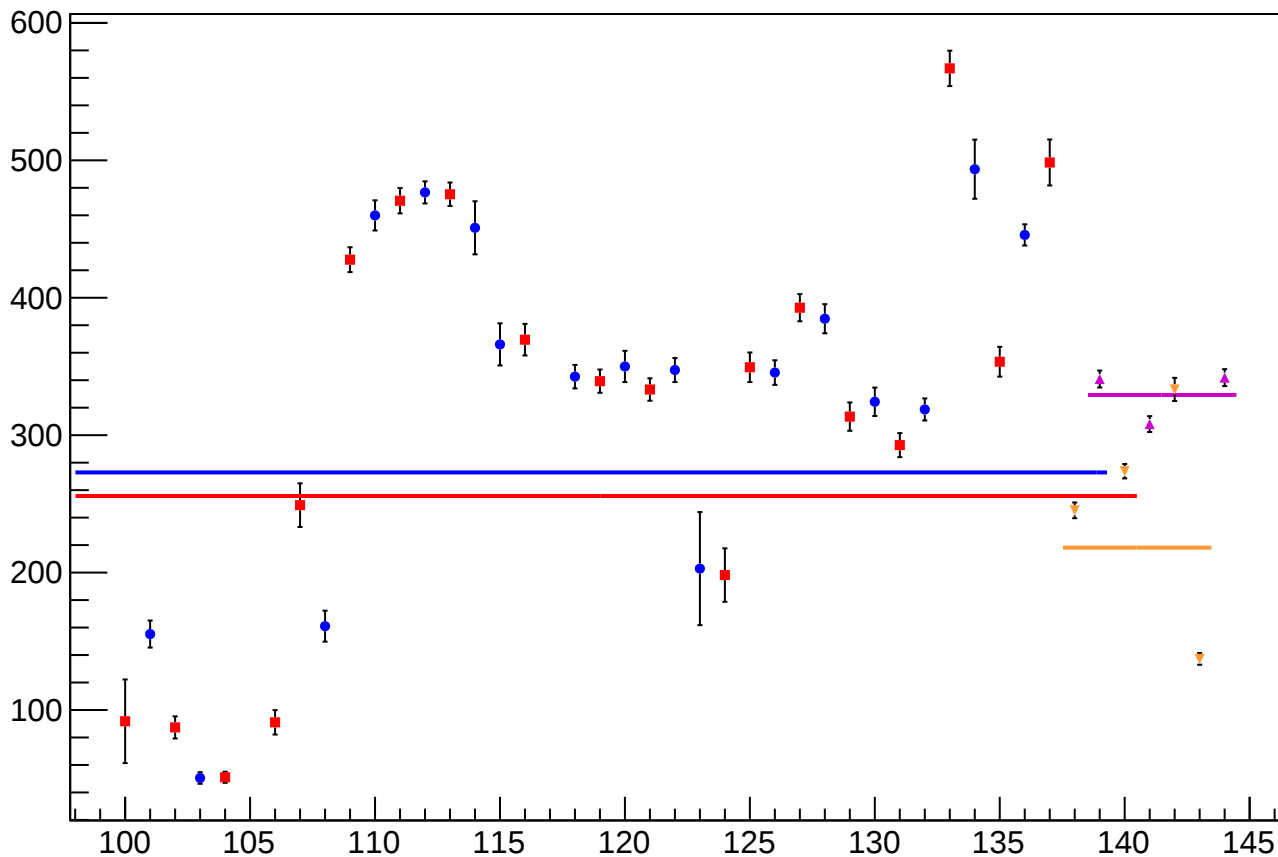
Left In: 1.695 ± 2.709 χ^2/NDF : 3.3/2

+ sign 1.108 ± 1.046 χ^2/NDF : 279.4/20

All: 2.554 ± 0.746 χ^2/NDF : 512.5/42

- sign 4.054 ± 1.065 χ^2/NDF : 229.3/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 272.880 ± 2.208 $\chi^2/\text{NDF}: 5091.5/16$

Left Out: 218.164 ± 2.712 $\chi^2/\text{NDF}: 682.5/3$

Right Out: 255.714 ± 2.082 $\chi^2/\text{NDF}: 6433.2/18$

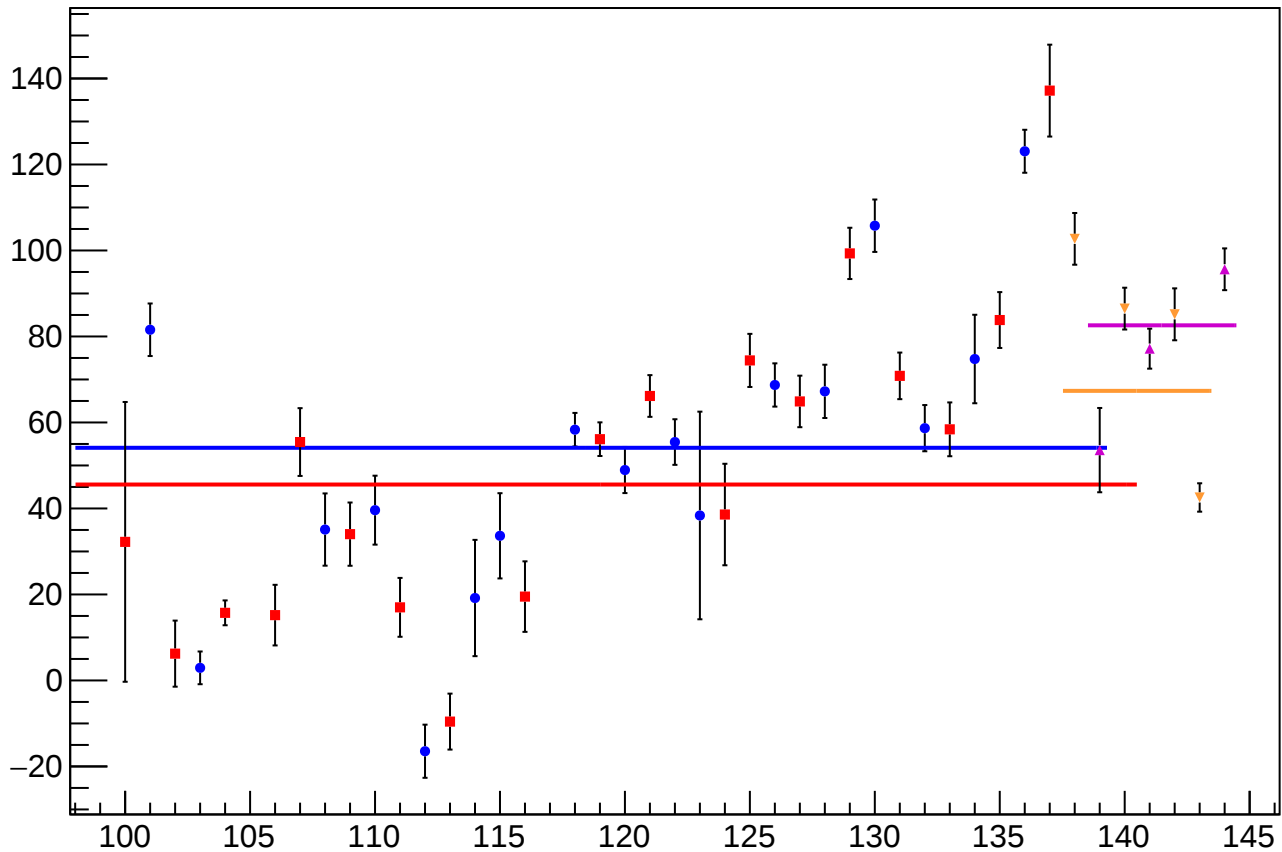
Left In: 329.268 ± 3.478 $\chi^2/\text{NDF}: 21.2/2$

+ sign 251.062 ± 1.712 $\chi^2/\text{NDF}: 6018.8/20$

All: 262.581 ± 1.236 $\chi^2/\text{NDF}: 12896.9/42$

- sign 275.123 ± 1.787 $\chi^2/\text{NDF}: 6783.6/21$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.110 $\pm$ 1.441 χ^2/NDF : 633.3/16

Left Out: 67.350 $\pm$ 2.300 χ^2/NDF :115.1/3

Right Out: 45.566 $\pm$ 1.359 χ^2/NDF : 528.2/18

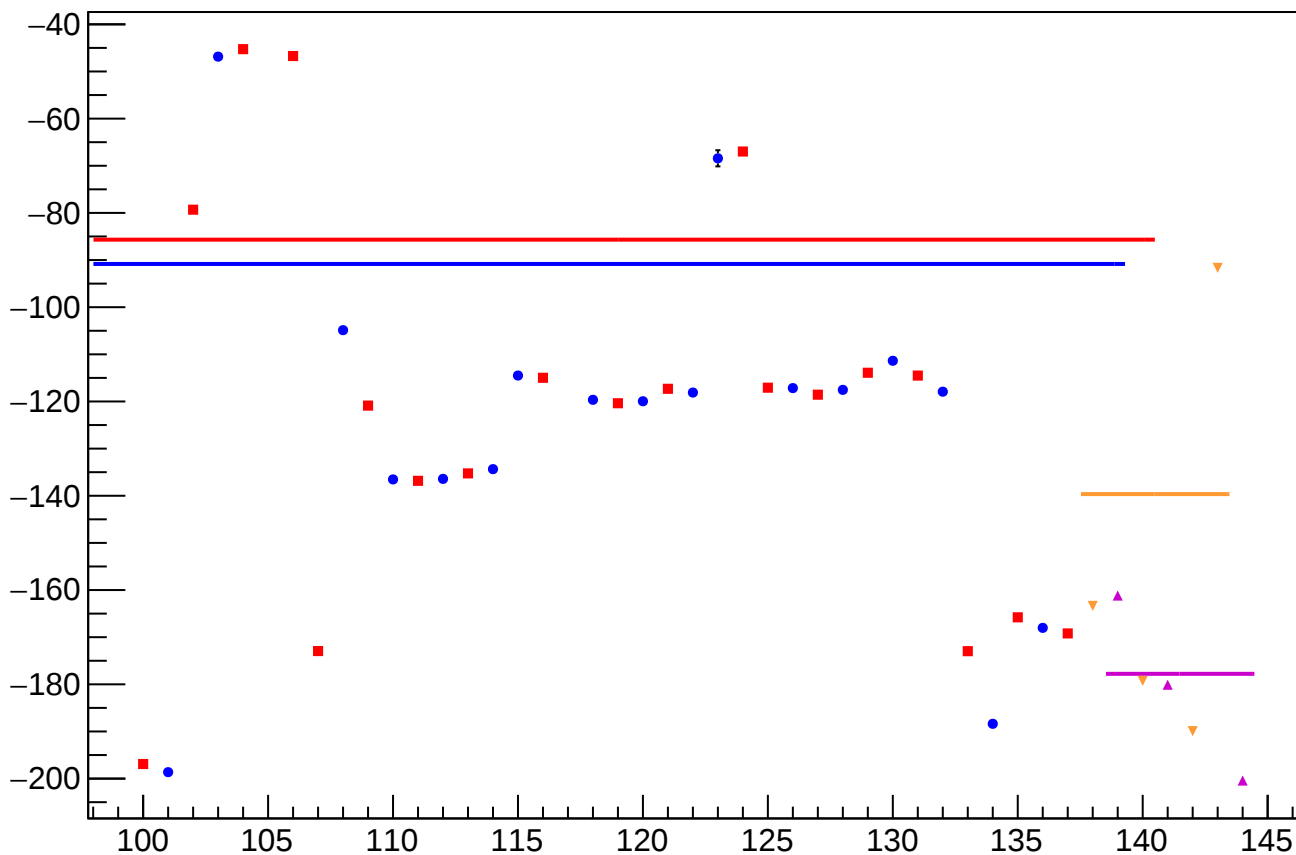
Left In: 82.591 $\pm$ 3.179 χ^2/NDF :17.3/2

+ sign 57.842 $\pm$ 1.221 χ^2/NDF : 772.2/20

All: 54.641 $\pm$ 0.873 χ^2/NDF : 1446.5/42

- sign 51.287 $\pm$ 1.250 χ^2/NDF : 660.2/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.830 ± 0.068 $\chi^2/\text{NDF}: 533047.0/16$

Left Out: -139.648 ± 0.111 $\chi^2/\text{NDF}: 141553.5/3$

Right Out: -85.675 ± 0.065 $\chi^2/\text{NDF}: 493800.4/18$

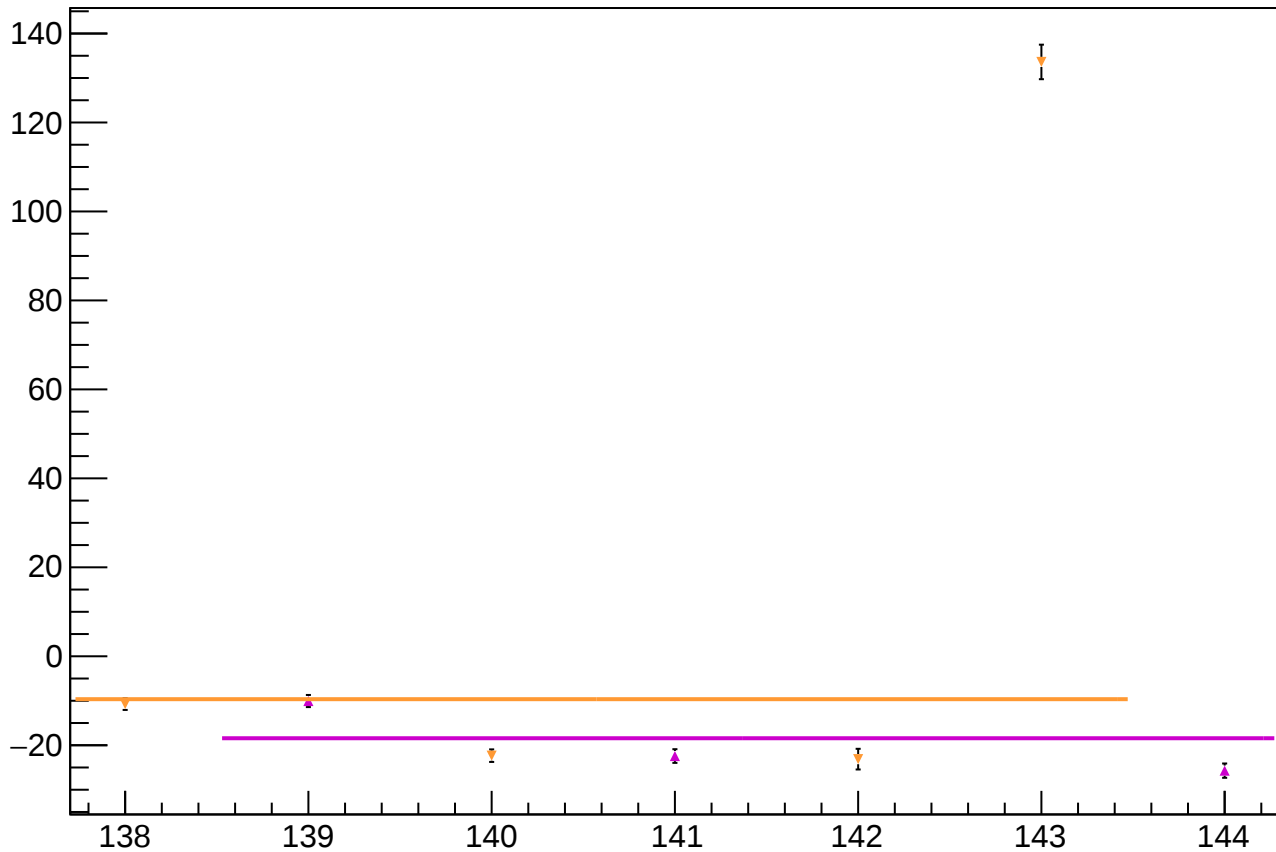
Left In: -177.772 ± 0.137 $\chi^2/\text{NDF}: 13038.0/2$

+ sign -104.102 ± 0.058 $\chi^2/\text{NDF}: 815515.4/20$

All: -103.397 ± 0.041 $\chi^2/\text{NDF}: 1691869.4/42$

- sign -102.669 ± 0.059 $\chi^2/\text{NDF}: 876052.3/21$

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: -9.644+/-0.866 χ^2/NDF : 1477.7/3

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

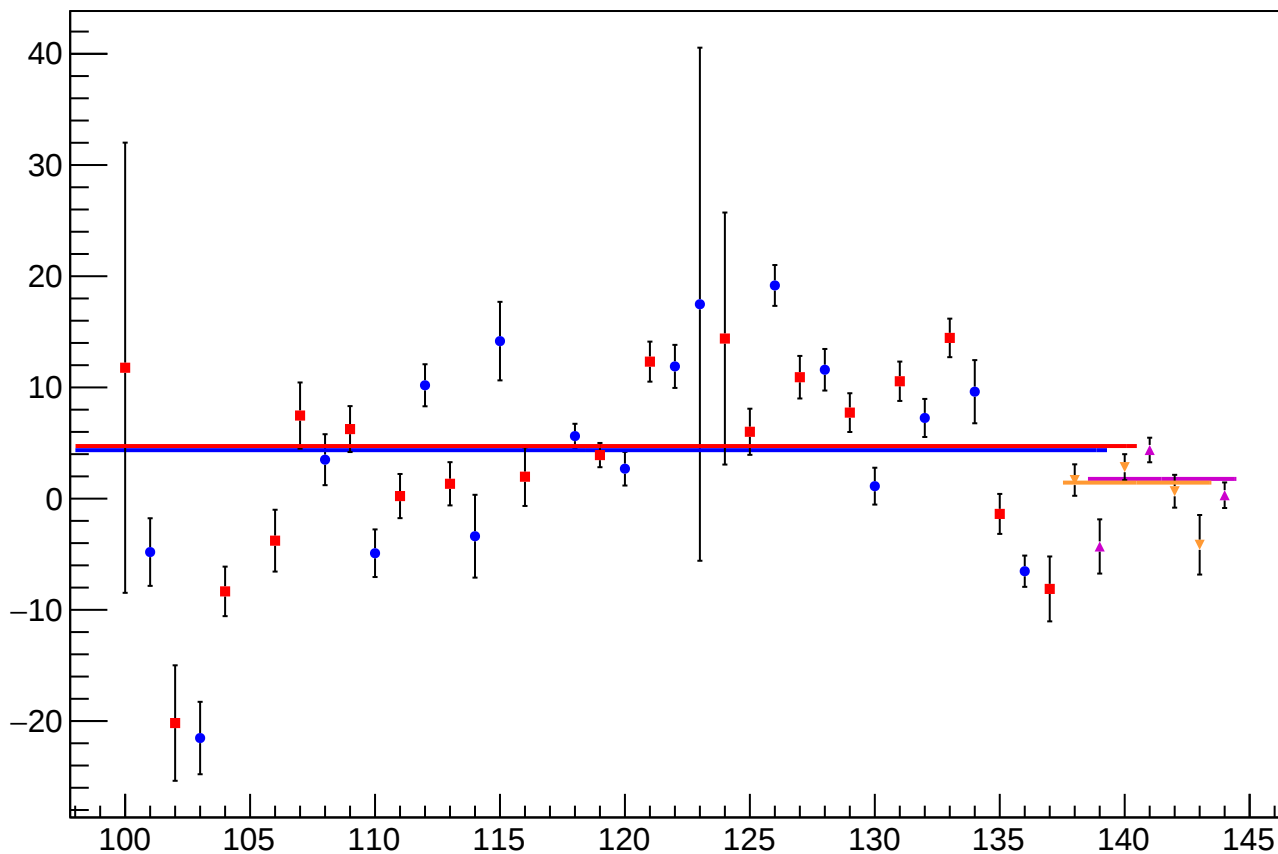
Left In: -18.425+/-0.861 χ^2/NDF : 65.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -14.056+/-0.611 χ^2/NDF : 1594.4/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.358 ± 0.472 χ^2/NDF : 280.7/16

Left Out: 1.441 ± 0.739 χ^2/NDF : 6.1/3

Right Out: 4.729 ± 0.474 χ^2/NDF : 183.8/18

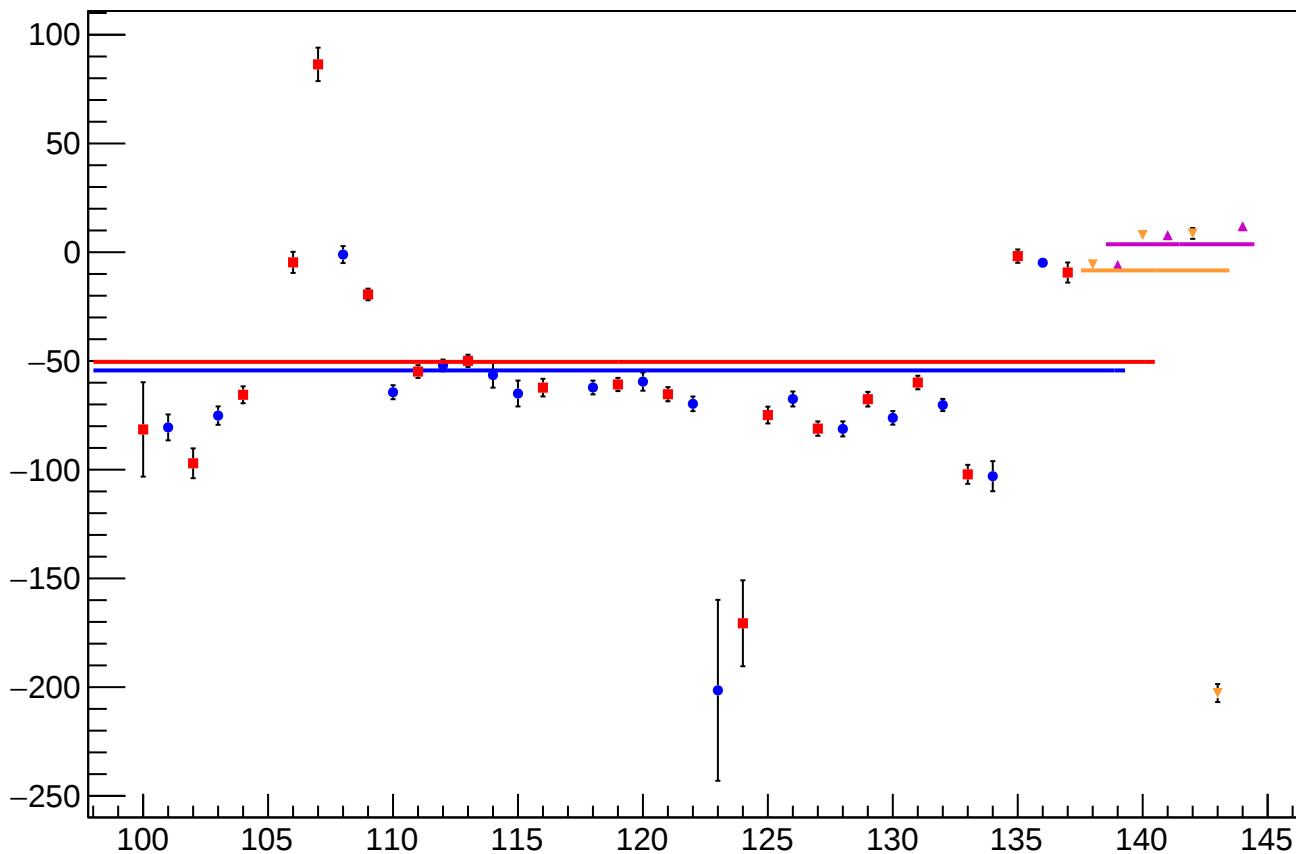
Left In: 1.774 ± 0.757 χ^2/NDF : 13.4/2

+ sign 3.512 ± 0.398 χ^2/NDF : 297.9/20

All: 3.703 ± 0.283 χ^2/NDF : 506.5/42

- sign 3.898 ± 0.402 χ^2/NDF : 208.1/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.358 ± 0.870 $\chi^2/\text{NDF}: 1014.3/16$

Left Out: -8.365 ± 0.930 $\chi^2/\text{NDF}: 2369.1/3$

Right Out: -50.421 ± 0.859 $\chi^2/\text{NDF}: 1316.6/18$

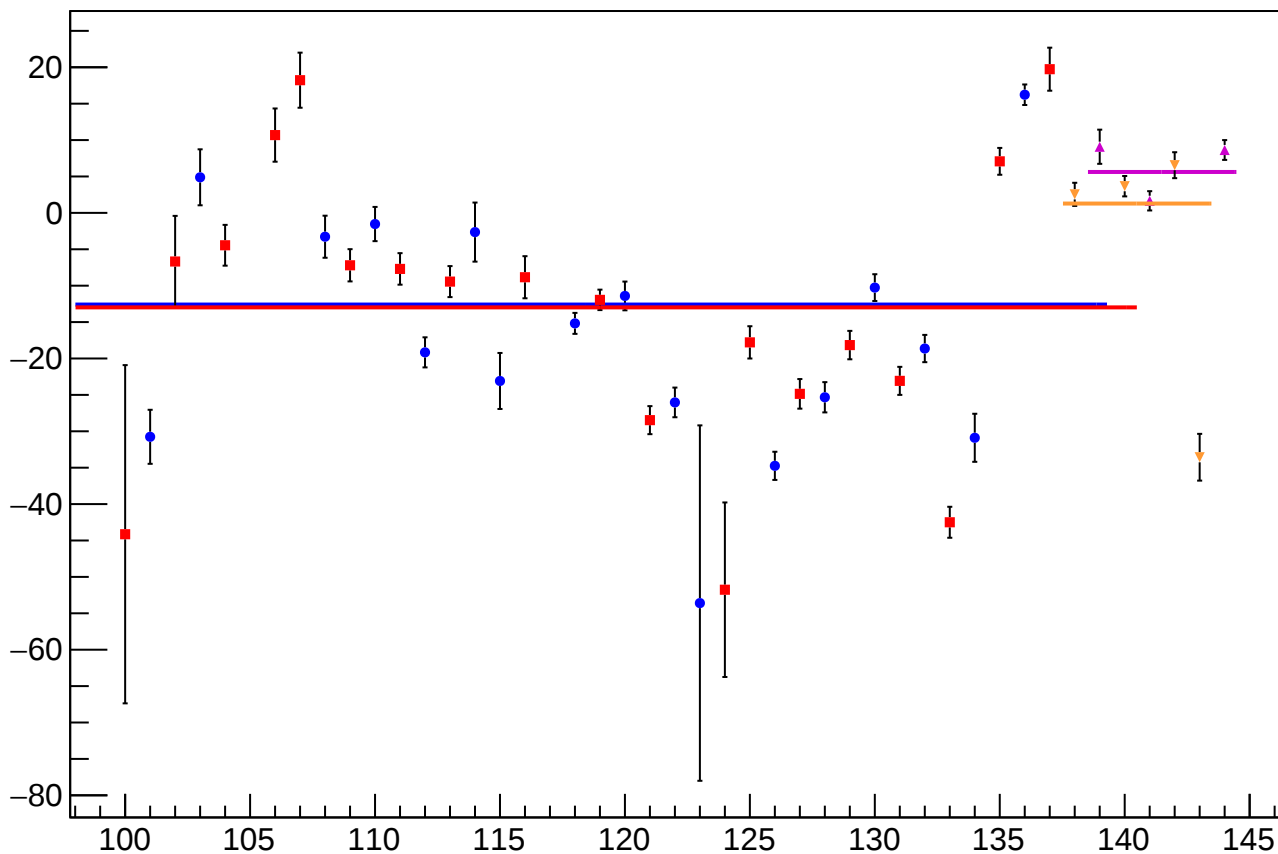
Left In: 3.658 ± 0.924 $\chi^2/\text{NDF}: 71.5/2$

+ sign -32.889 ± 0.635 $\chi^2/\text{NDF}: 4687.2/20$

All: -29.088 ± 0.447 $\chi^2/\text{NDF}: 7982.5/42$

- sign -25.360 ± 0.629 $\chi^2/\text{NDF}: 3224.4/21$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.592 ± 0.538 χ^2/NDF : 779.7/16

Left Out: 1.281 ± 0.871 χ^2/NDF : 130.0/3

Right Out: -12.981 ± 0.539 χ^2/NDF : 721.9/18

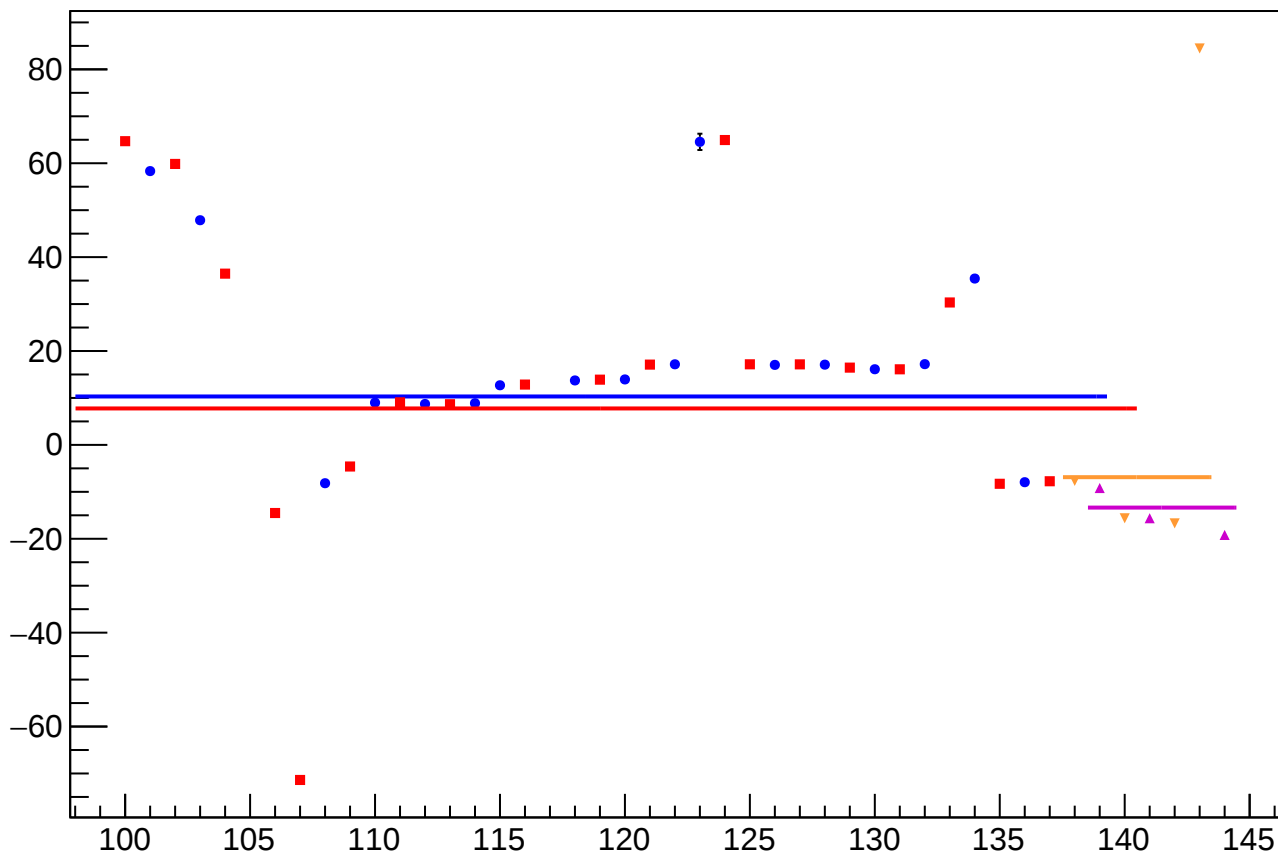
Left In: 5.619 ± 0.880 χ^2/NDF : 16.1/2

+ sign -8.765 ± 0.457 χ^2/NDF : 1093.4/20

All: -8.339 ± 0.324 χ^2/NDF : 2158.3/42

- sign -7.910 ± 0.459 χ^2/NDF : 1063.1/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.315+/-0.031 χ^2/NDF : 380737.7/16

Left Out: -6.880+/-0.038 χ^2/NDF :330300.9/3

Right Out: 7.762 ± 0.031 χ^2/NDF : 543895.1/18

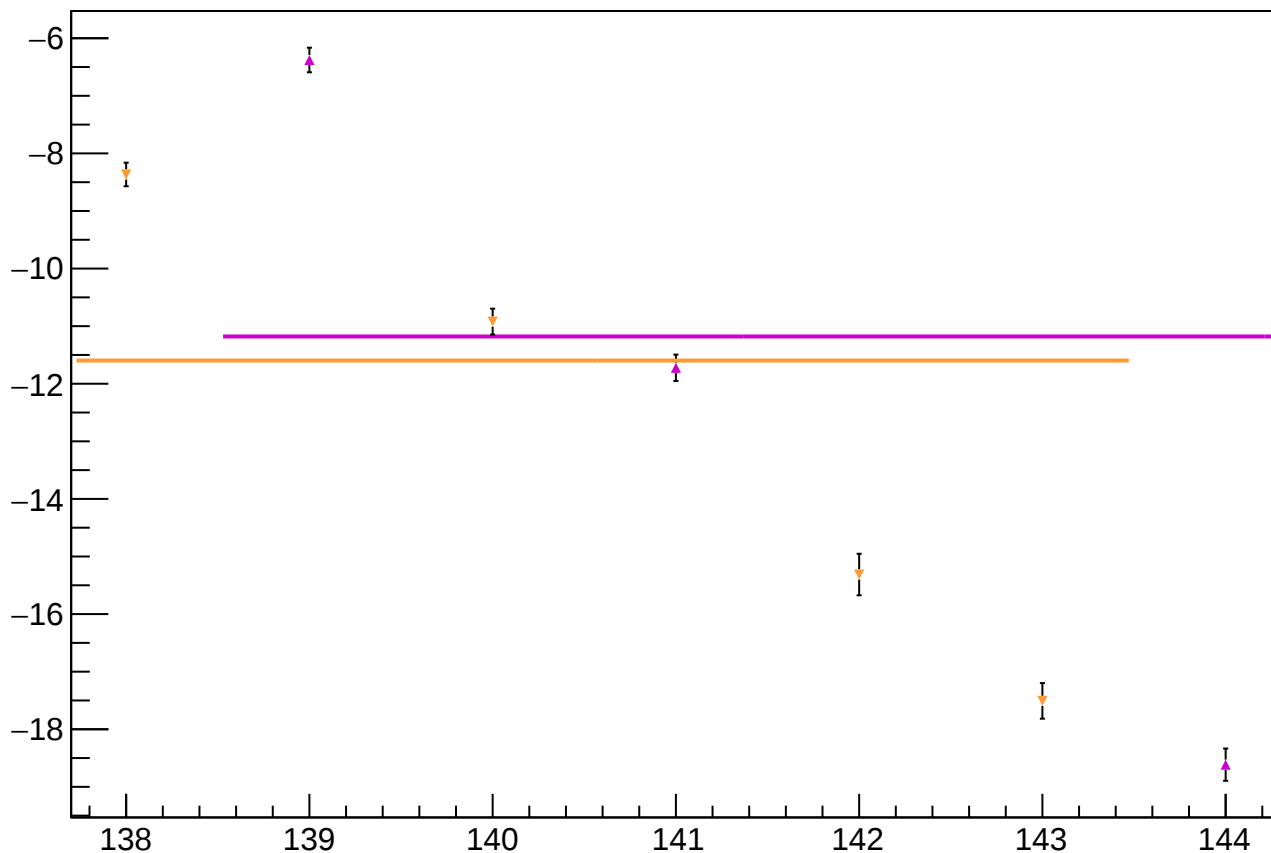
Left In: -13.358+/-0.036 χ^2/NDF :13655.1/2

+ sign 3.474+/-0.024 χ^2/NDF : 835648.9/20

All: 1.011 ± 0.017 χ^2/NDF : 1611293.5/42

- sign -1.401+/-0.024 χ^2/NDF : 754514.6/21

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -11.597+/-0.127 χ^2/NDF : 729.2/3

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

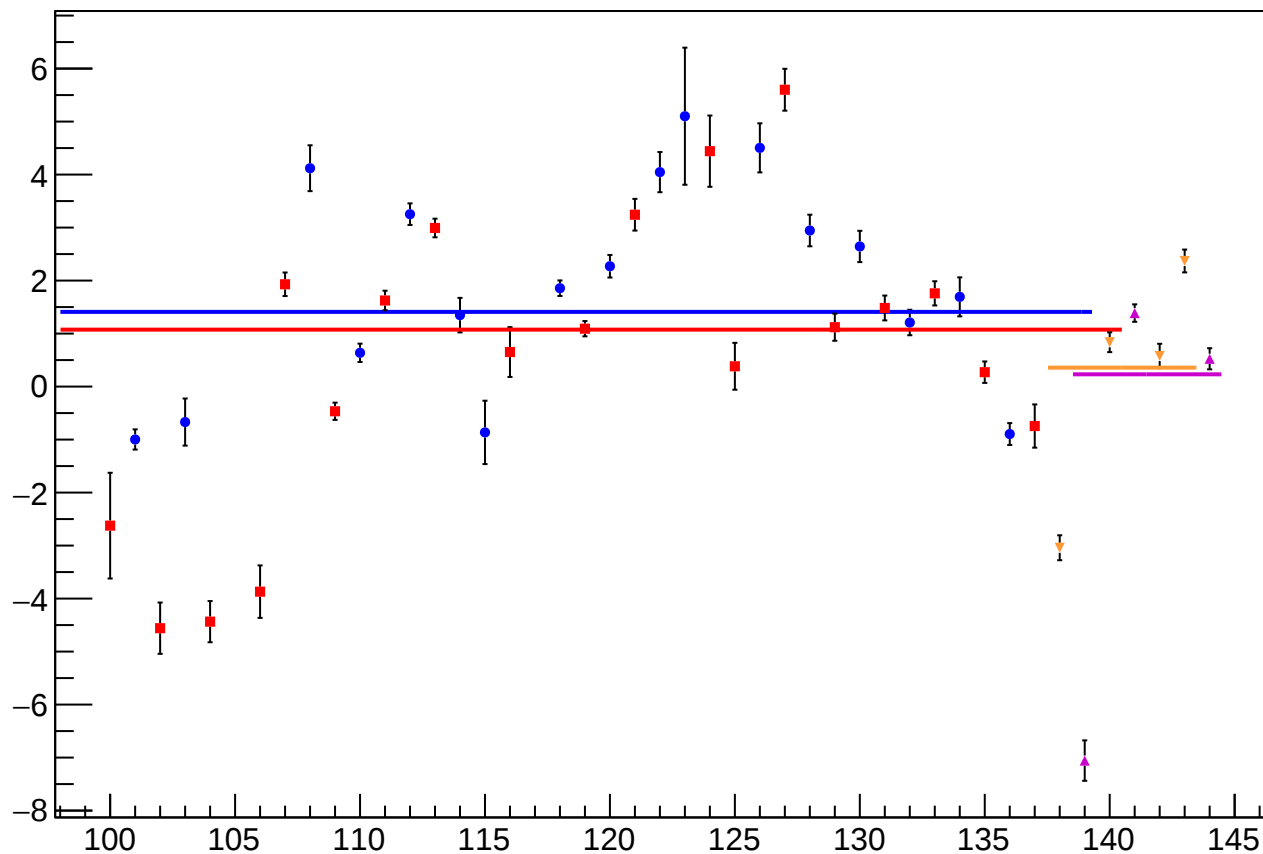
Left In: -11.180+/-0.136 χ^2/NDF : 1216.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.403+/-0.093 χ^2/NDF : 1951.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.409 $\pm$ 0.062 χ^2 /NDF: 634.6/16

Left Out: 0.357 $\pm$ 0.107 χ^2 /NDF:303.1/3

Right Out: 1.074 $\pm$ 0.058 χ^2 /NDF: 942.5/18

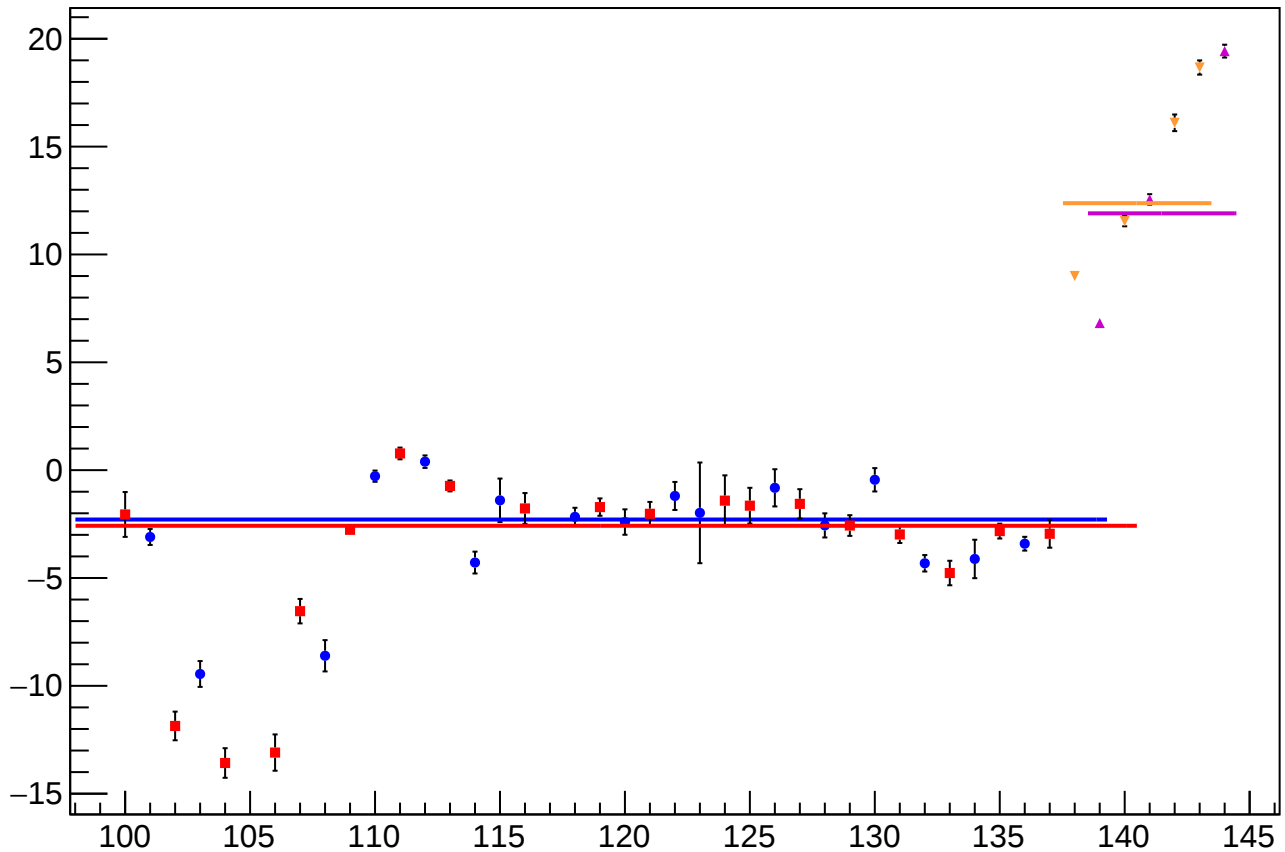
Left In: 0.231 $\pm$ 0.120 χ^2 /NDF:416.4/2

+ sign 1.144 $\pm$ 0.054 χ^2 /NDF: 1010.0/20

All: 1.027 $\pm$ 0.037 χ^2 /NDF: 2418.0/42

- sign 0.915 $\pm$ 0.052 χ^2 /NDF: 1398.7/21

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.289 ± 0.112 χ^2/NDF : 447.6/16

Left Out: 12.378 ± 0.137 χ^2/NDF : 698.4/3

Right Out: -2.579 ± 0.099 χ^2/NDF : 891.5/18

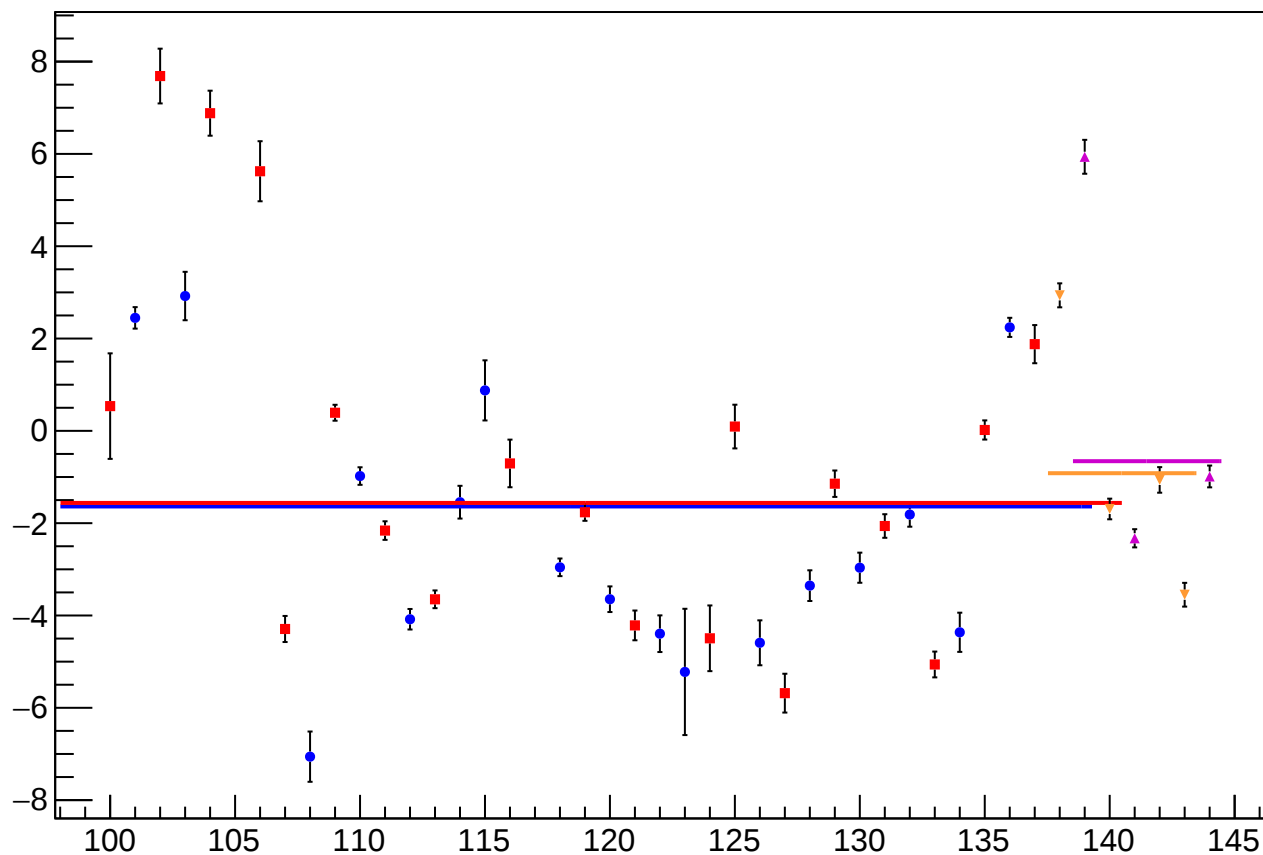
Left In: 11.907 ± 0.146 χ^2/NDF : 1122.2/2

+ sign 3.573 ± 0.086 χ^2/NDF : 8057.6/20

All: 2.728 ± 0.059 χ^2/NDF : 16981.7/42

- sign 1.968 ± 0.082 χ^2/NDF : 8742.6/21

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.638 ± 0.071 χ^2/NDF : 1258.5/16

Left Out: -0.918 ± 0.126 χ^2/NDF : 336.9/3

Right Out: -1.561 ± 0.066 χ^2/NDF : 1503.8/18

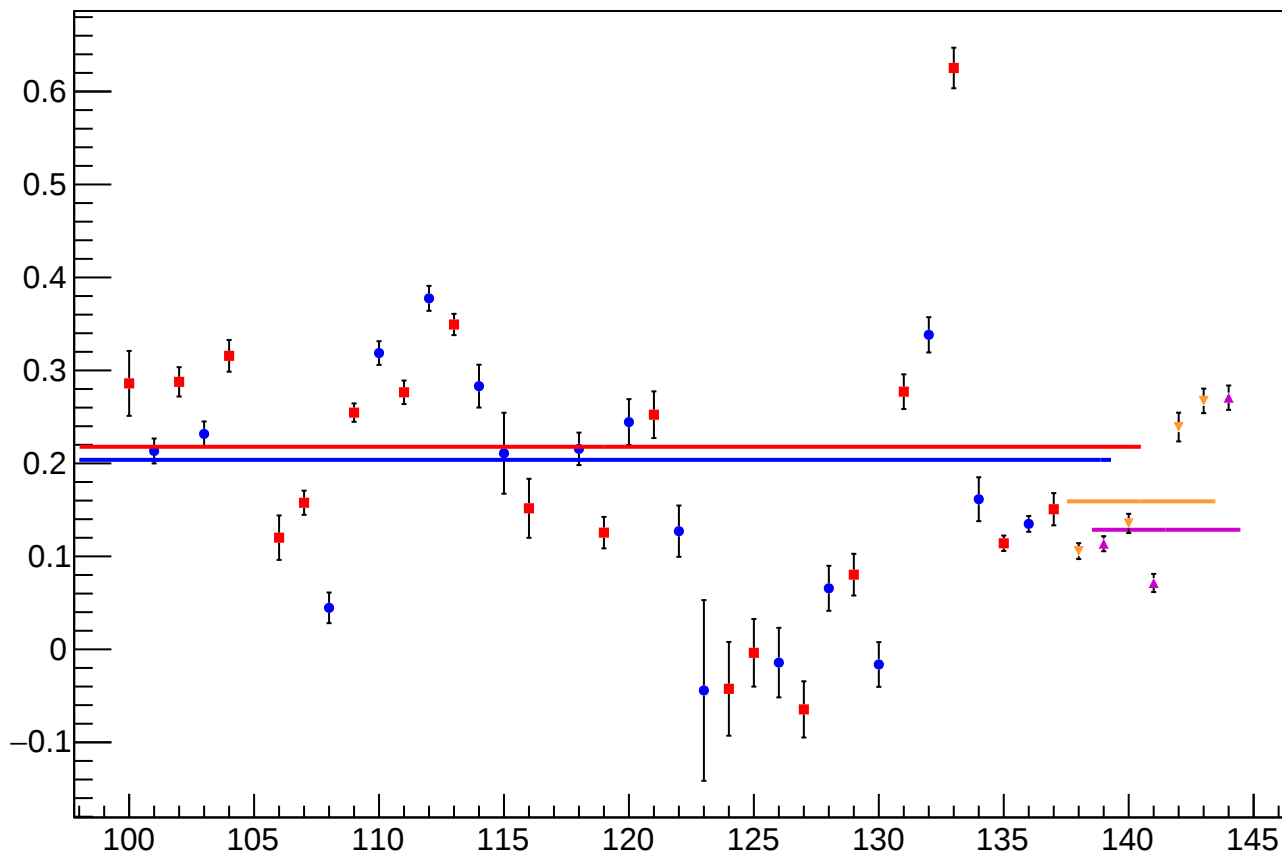
Left In: -0.657 ± 0.140 χ^2/NDF : 396.2/2

+ sign -1.463 ± 0.062 χ^2/NDF : 1620.2/20

All: -1.429 ± 0.043 χ^2/NDF : 3555.0/42

- sign -1.398 ± 0.059 χ^2/NDF : 1934.2/21

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.204±/-0.004 χ^2/NDF : 645.6/16

Left Out: 0.159±/-0.006 χ^2/NDF :138.3/3

Right Out: 0.218±/-0.004 χ^2/NDF : 1016.1/18

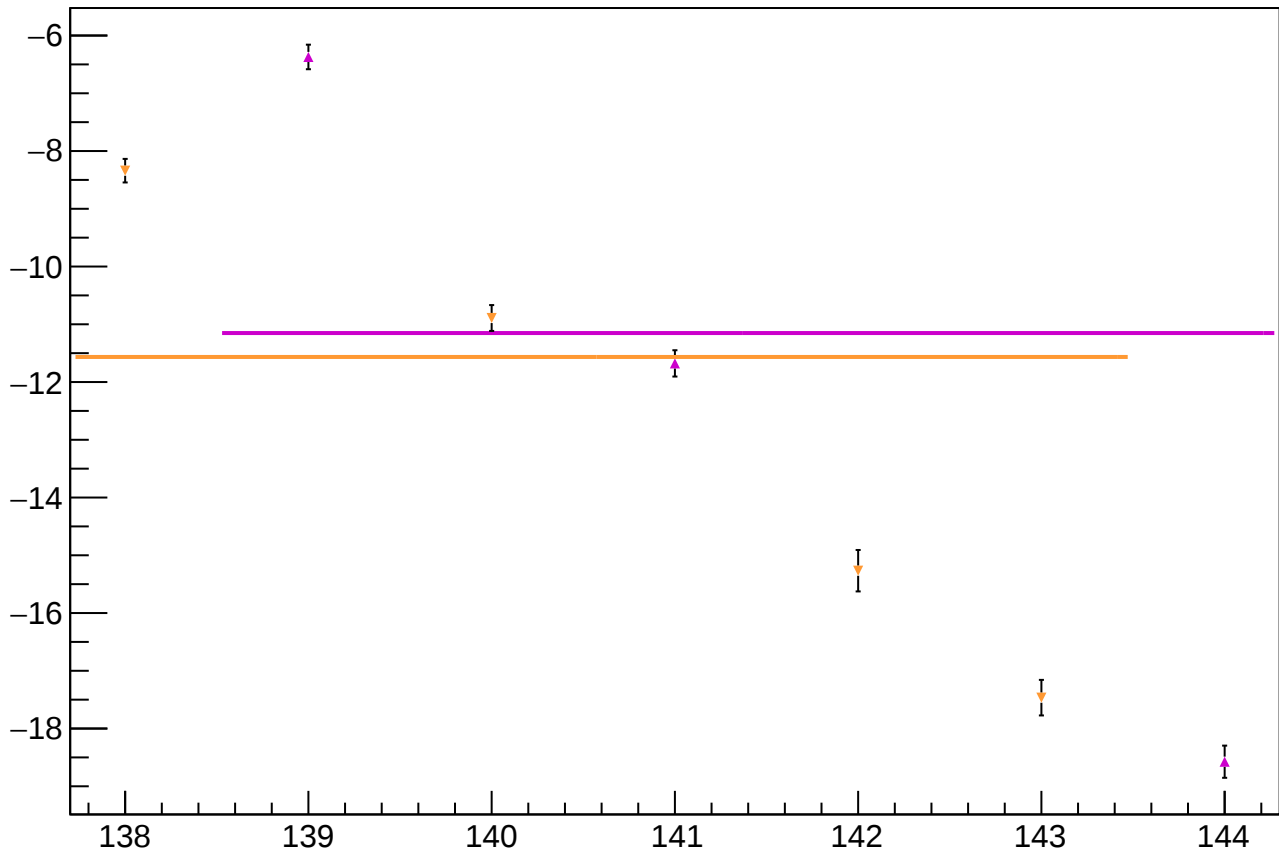
Left In: 0.129±/-0.006 χ^2/NDF :155.3/2

+ sign 0.188±/-0.003 χ^2/NDF : 825.8/20

All: 0.189±/-0.002 χ^2/NDF : 2173.0/42

- sign 0.191±/-0.003 χ^2/NDF : 1346.7/21

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -11.566+/-0.127 χ^2/NDF : 732.8/3

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

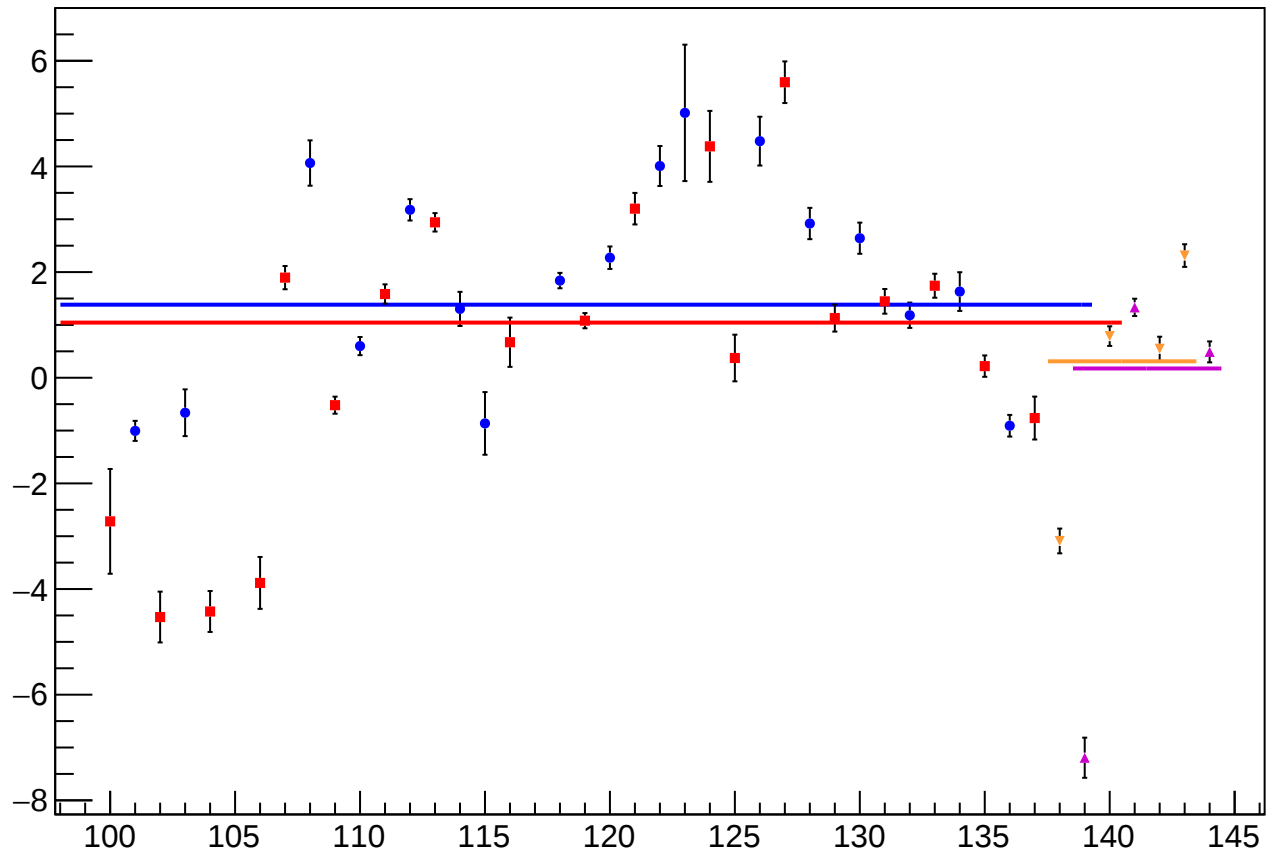
Left In: -11.152+/-0.136 χ^2/NDF : 1220.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.373+/-0.093 χ^2/NDF : 1958.2/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.383 ± 0.062 χ^2/NDF : 632.3/16

Left Out: 0.311 ± 0.107 χ^2/NDF : 305.3/3

Right Out: 1.044 ± 0.058 χ^2/NDF : 947.0/18

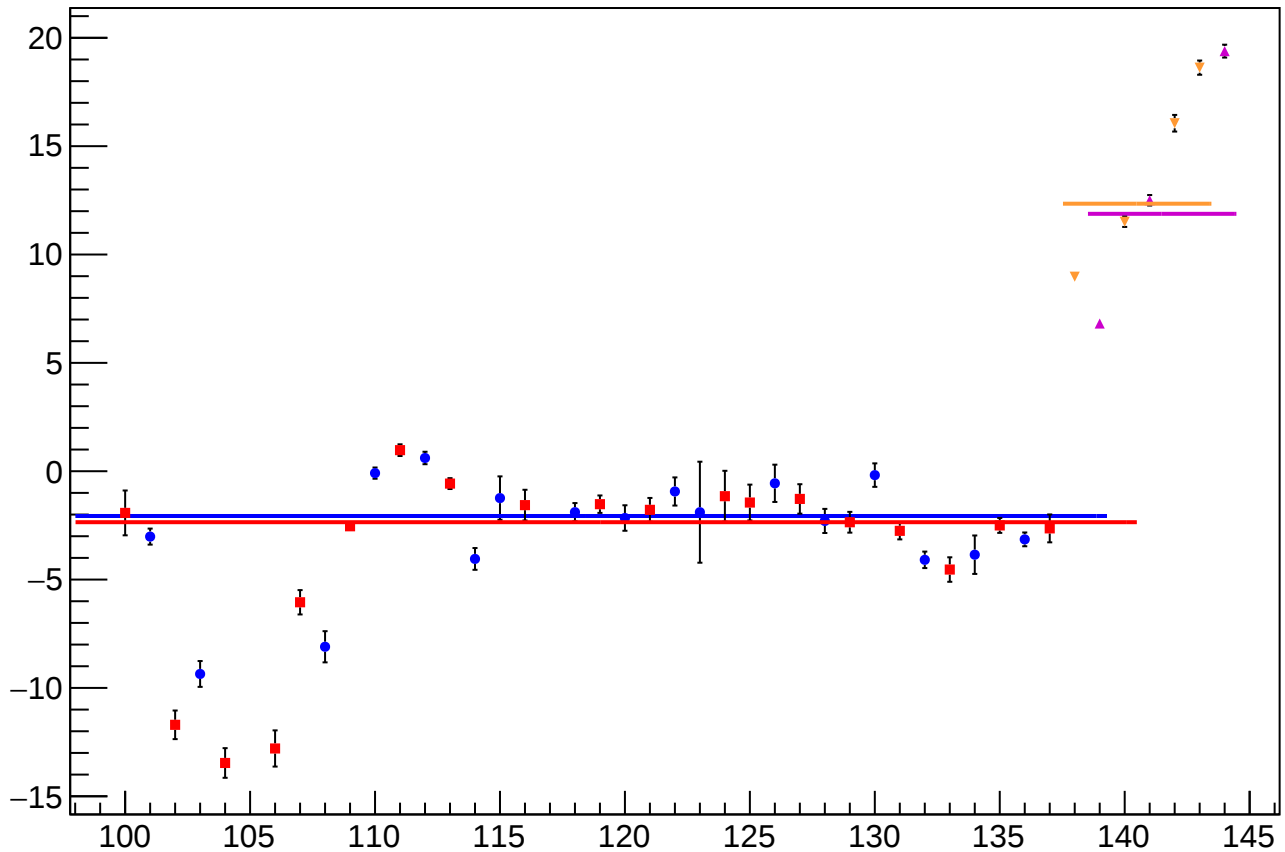
Left In: 0.176 ± 0.120 χ^2/NDF : 428.6/2

+ sign 1.113 ± 0.053 χ^2/NDF : 1013.3/20

All: 0.994 ± 0.037 χ^2/NDF : 2441.3/42

- sign 0.880 ± 0.052 χ^2/NDF : 1418.2/21

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.066+/-0.111 χ^2/NDF : 450.1/16

Left Out: 12.345+/-0.136 χ^2/NDF : 701.9/3

Right Out: -2.353+/-0.098 χ^2/NDF : 894.9/18

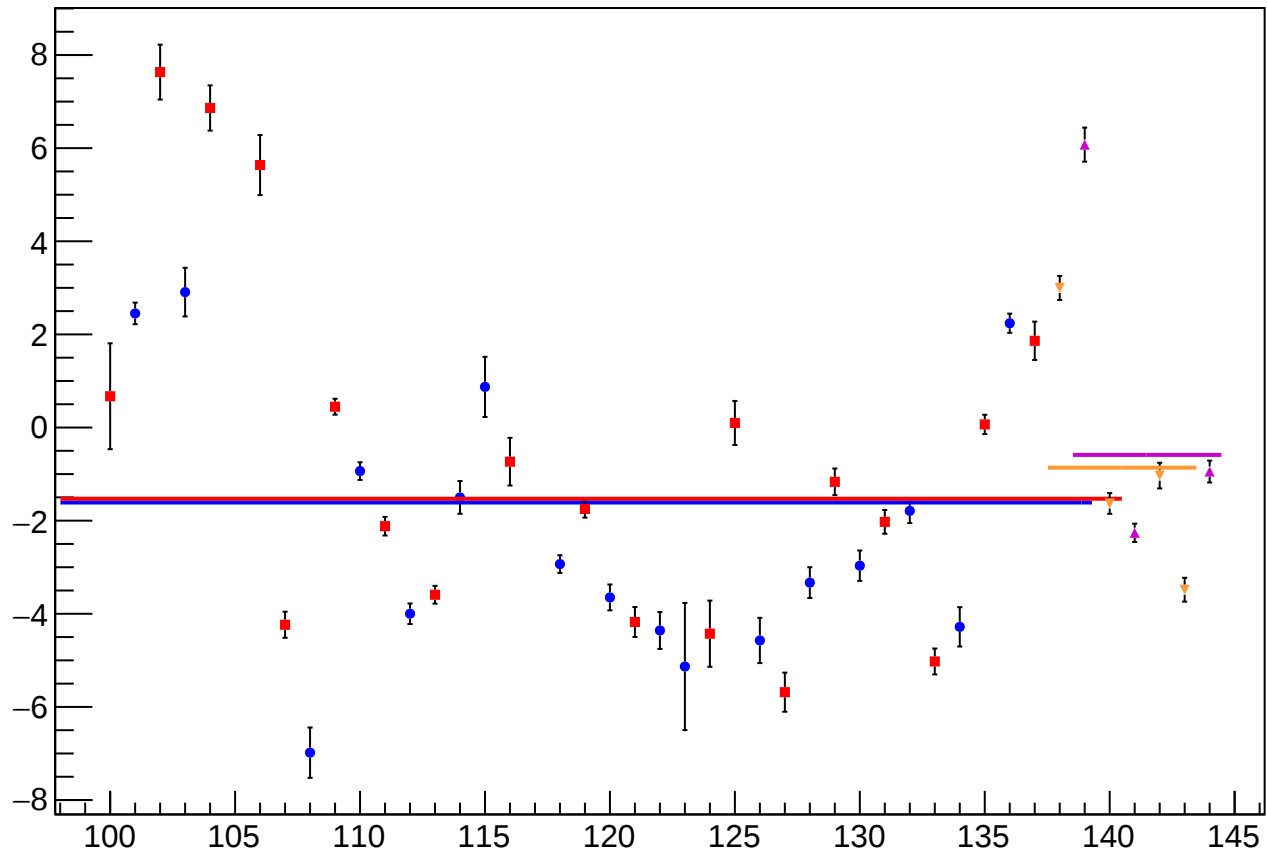
Left In: 11.878+/-0.146 χ^2/NDF : 1125.1/2

+ sign 3.691+/-0.086 χ^2/NDF : 7887.8/20

All: 2.857+/-0.059 χ^2/NDF : 16641.2/42

- sign 2.109+/-0.082 χ^2/NDF : 8575.2/21

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.610 ± 0.071 χ^2/NDF : 1253.3/16

Left Out: -0.862 ± 0.125 χ^2/NDF : 339.6/3

Right Out: -1.529 ± 0.065 χ^2/NDF : 1507.9/18

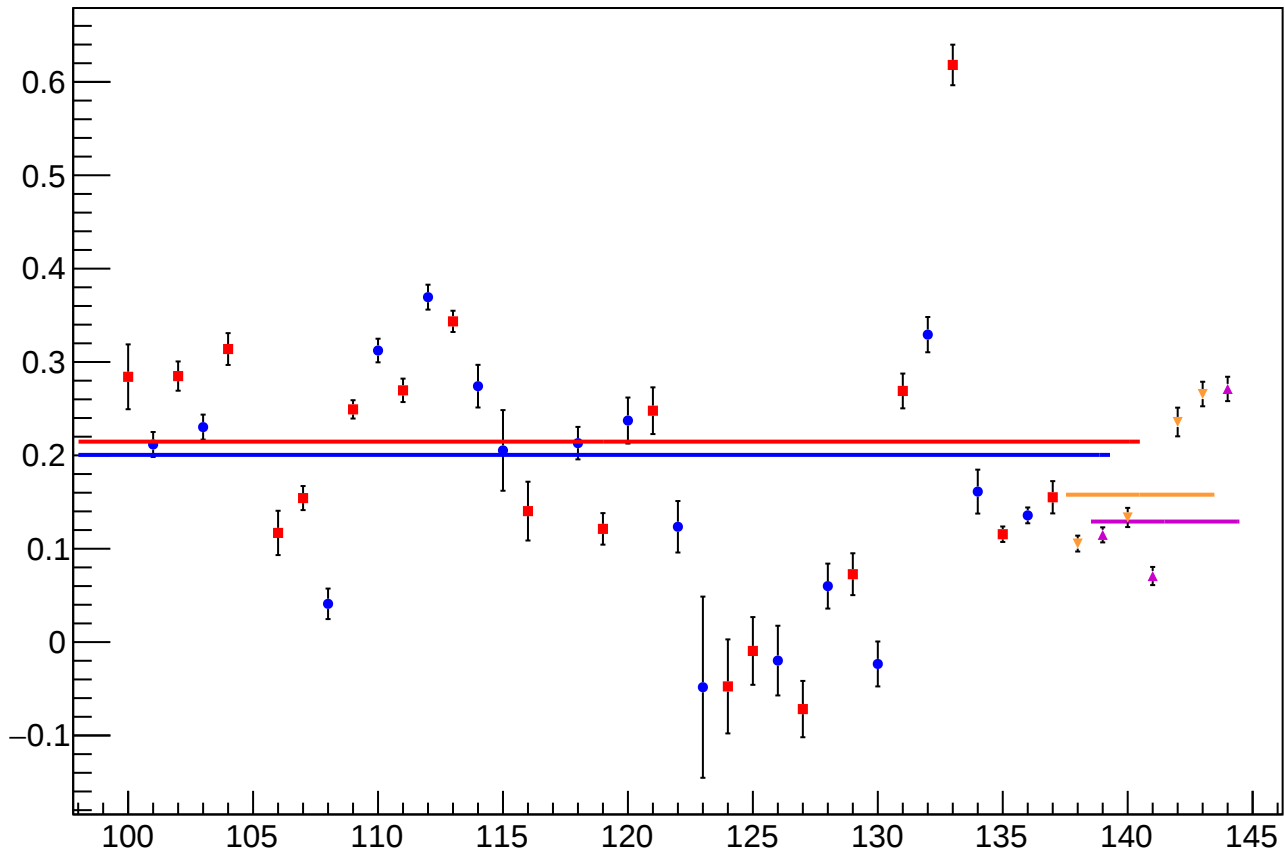
Left In: -0.588 ± 0.139 χ^2/NDF : 407.0/2

+ sign -1.429 ± 0.062 χ^2/NDF : 1619.8/20

All: -1.392 ± 0.043 χ^2/NDF : 3572.7/42

- sign -1.359 ± 0.059 χ^2/NDF : 1952.3/21

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 630.5/16

Left Out: 0.158 $\pm$ 0.005 χ^2 /NDF:136.5/3

Right Out: 0.215 $\pm$ 0.004 χ^2 /NDF: 999.0/18

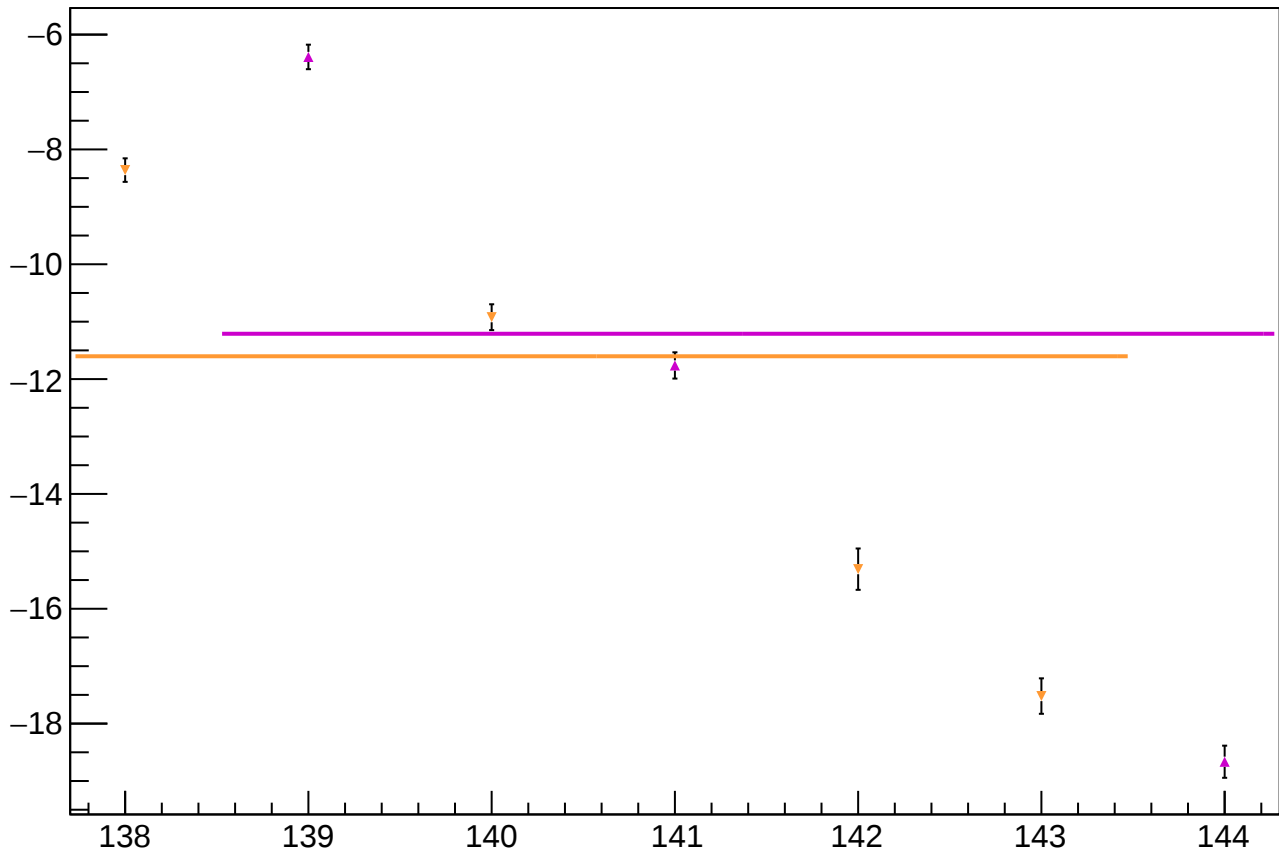
Left In: 0.129 $\pm$ 0.006 χ^2 /NDF:157.6/2

+ sign 0.185 $\pm$ 0.003 χ^2 /NDF: 805.4/20

All: 0.187 $\pm$ 0.002 χ^2 /NDF: 2125.6/42

- sign 0.189 $\pm$ 0.003 χ^2 /NDF: 1319.4/21

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -11.603+/-0.127 χ^2/NDF : 732.5/3

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

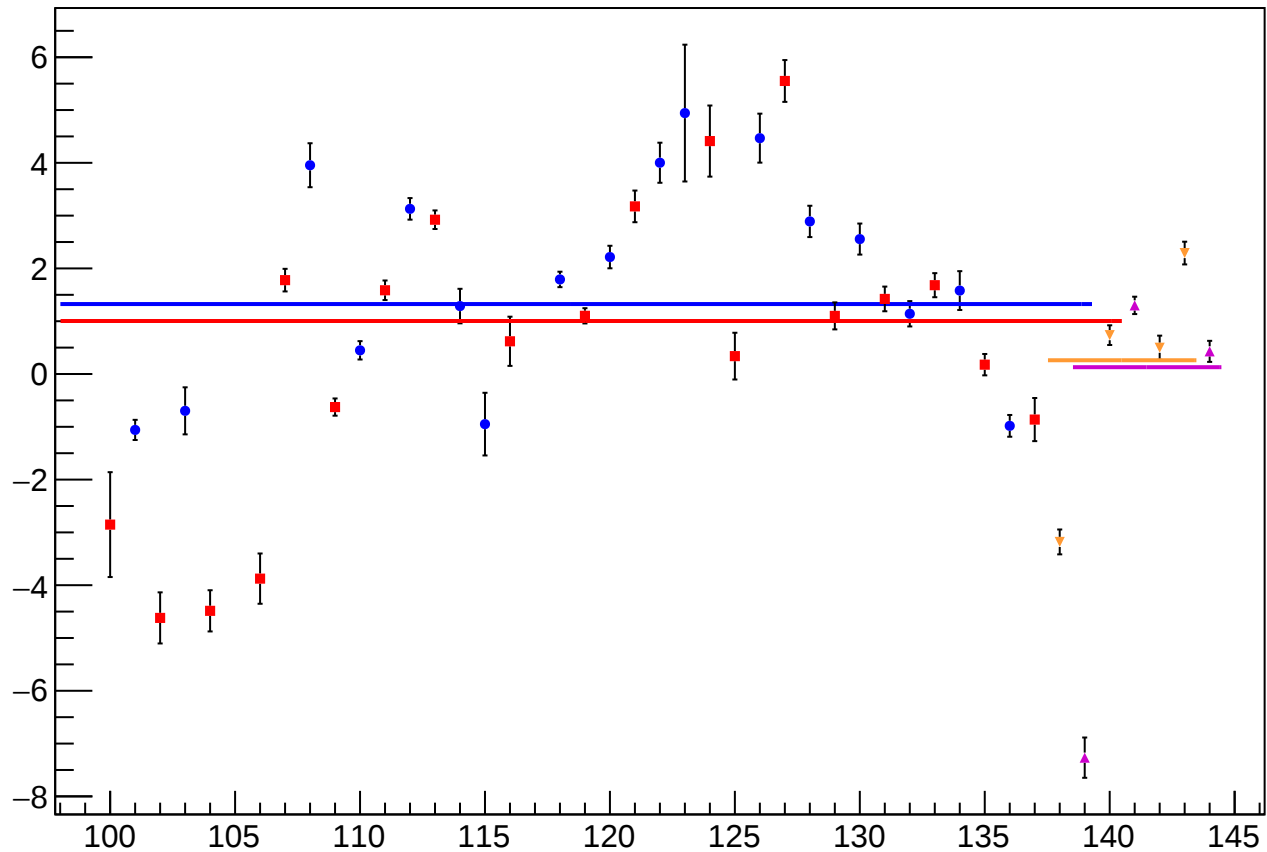
Left In: -11.211+/-0.136 χ^2/NDF : 1224.8/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.420+/-0.093 χ^2/NDF : 1961.7/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.325 ± 0.062 χ^2/NDF : 637.1/16

Left Out: 0.260 ± 0.107 χ^2/NDF : 310.0/3

Right Out: 1.004 ± 0.058 χ^2/NDF : 957.8/18

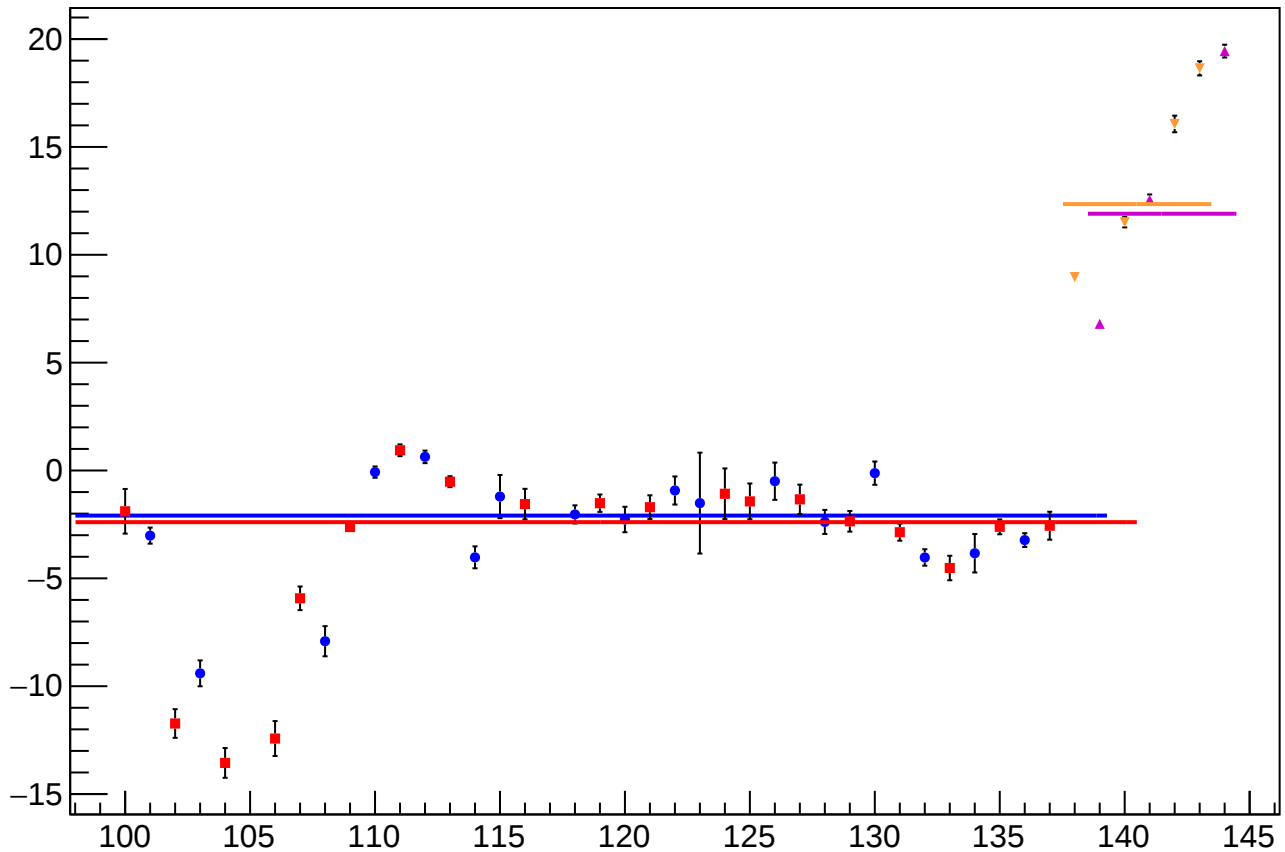
Left In: 0.129 ± 0.120 χ^2/NDF : 428.7/2

+ sign 1.057 ± 0.054 χ^2/NDF : 1021.2/20

All: 0.945 ± 0.037 χ^2/NDF : 2459.0/42

- sign 0.839 ± 0.052 χ^2/NDF : 1429.4/21

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.090+/-0.112 χ^2/NDF : 449.1/16

Left Out: 12.349+/-0.137 χ^2/NDF : 700.7/3

Right Out: -2.395+/-0.099 χ^2/NDF : 889.1/18

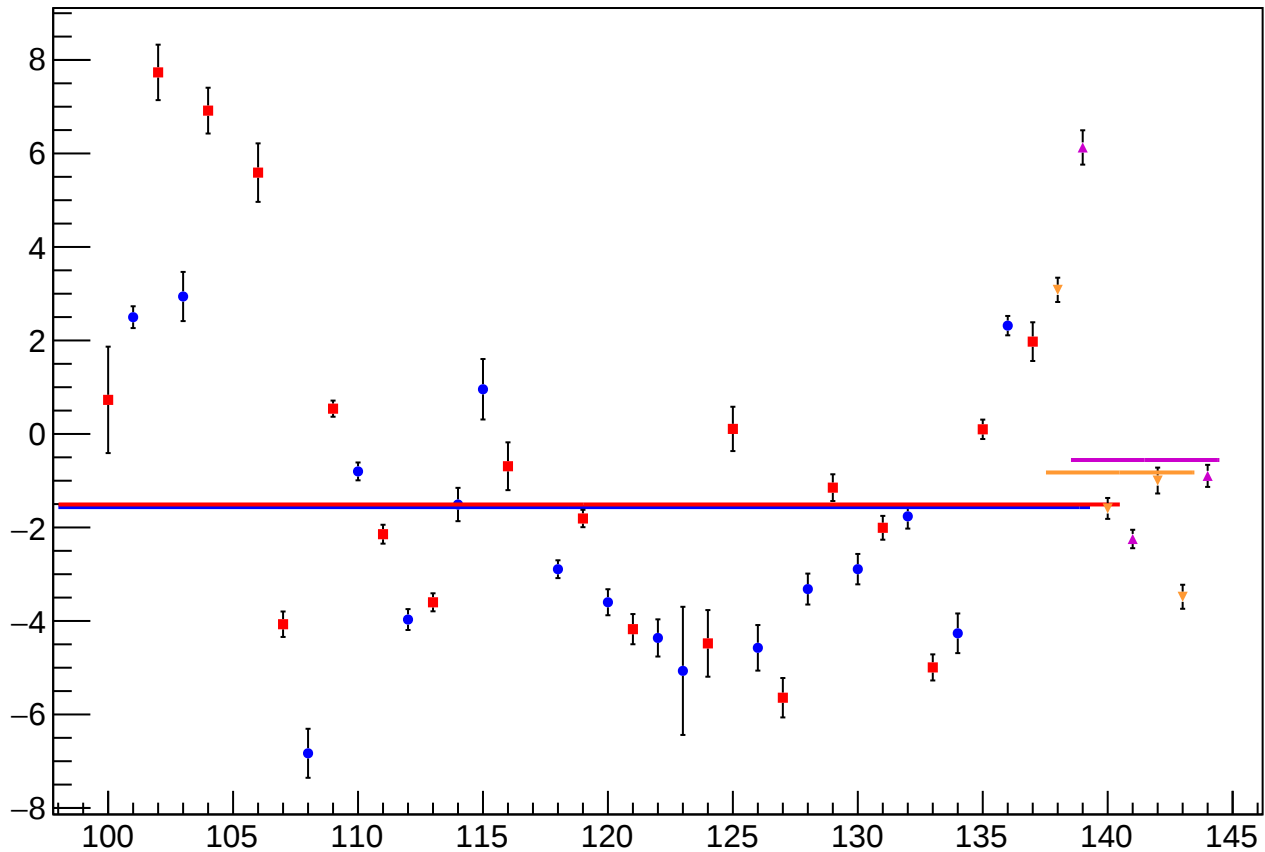
Left In: 11.903+/-0.146 χ^2/NDF : 1128.8/2

+ sign 3.684+/-0.086 χ^2/NDF : 7847.0/20

All: 2.845+/-0.059 χ^2/NDF : 16602.1/42

- sign 2.092+/-0.082 χ^2/NDF : 8576.4/21

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.565 ± 0.071 χ^2/NDF : 1258.1/16

Left Out: -0.824 ± 0.126 χ^2/NDF : 345.0/3

Right Out: -1.508 ± 0.066 χ^2/NDF : 1518.8/18

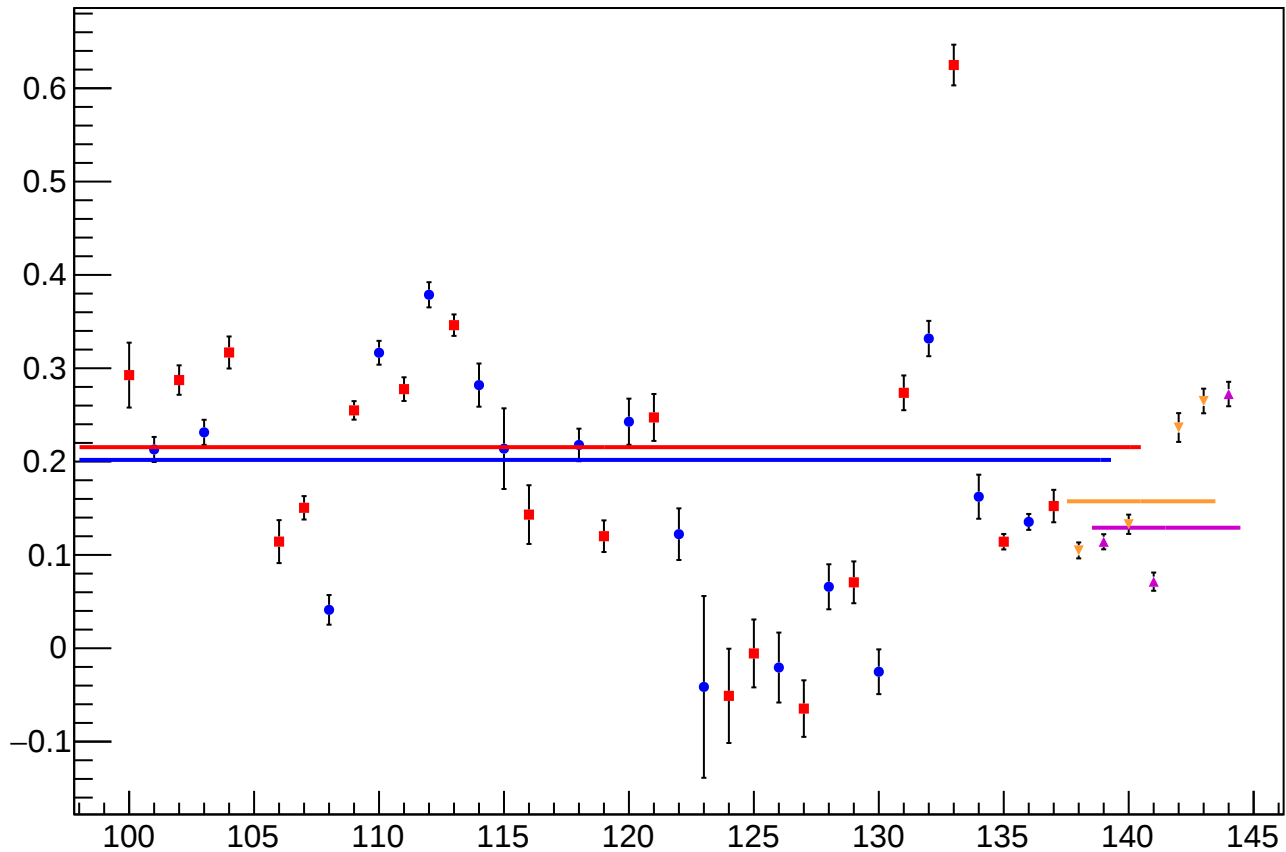
Left In: -0.557 ± 0.140 χ^2/NDF : 407.0/2

+ sign -1.385 ± 0.062 χ^2/NDF : 1629.3/20

All: -1.360 ± 0.043 χ^2/NDF : 3593.3/42

- sign -1.337 ± 0.059 χ^2/NDF : 1963.7/21

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.202 $\pm$ 0.004 χ^2 /NDF: 658.6/16

Left Out: 0.157 $\pm$ 0.006 χ^2 /NDF:136.2/3

Right Out: 0.215 $\pm$ 0.004 χ^2 /NDF: 1031.4/18

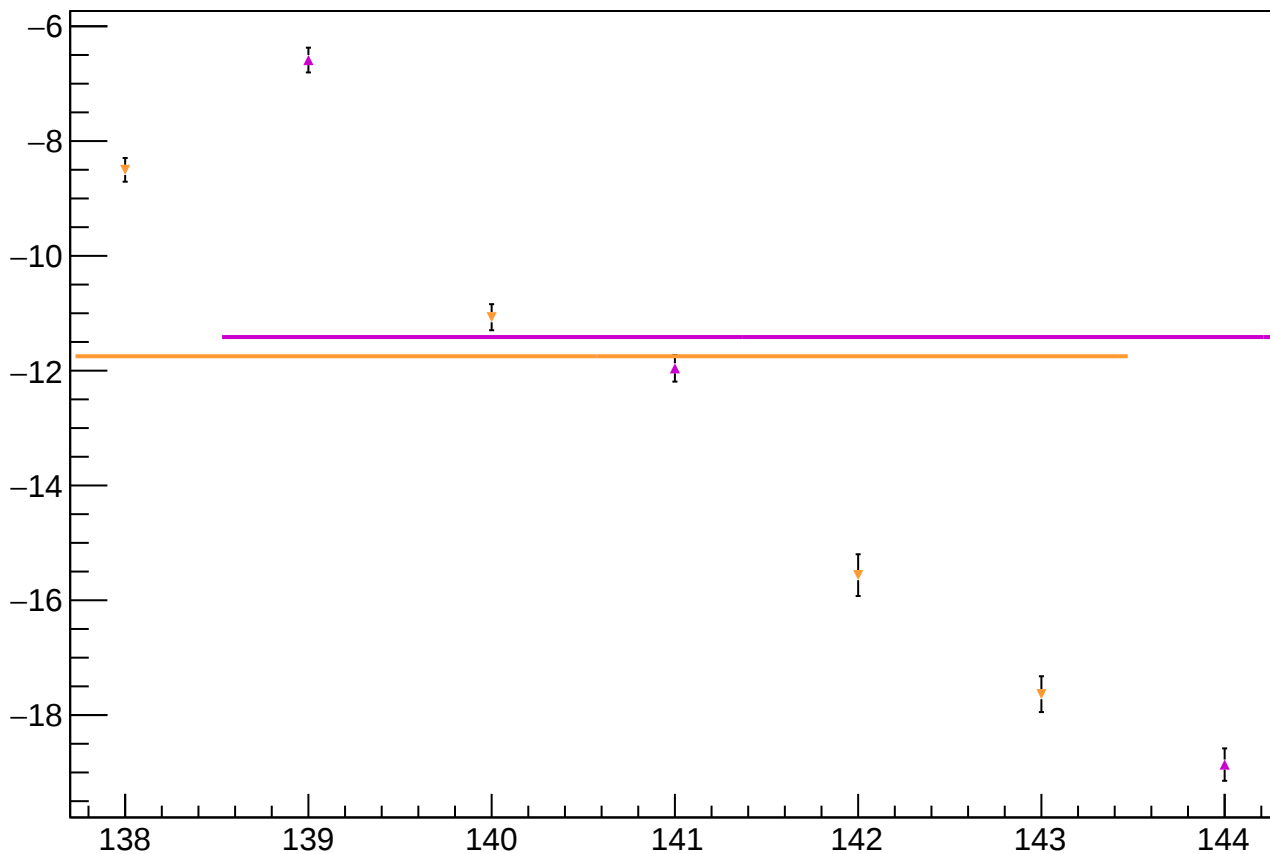
Left In: 0.129 $\pm$ 0.006 χ^2 /NDF:158.0/2

+ sign 0.186 $\pm$ 0.003 χ^2 /NDF: 836.2/20

All: 0.188 $\pm$ 0.002 χ^2 /NDF: 2190.6/42

- sign 0.190 $\pm$ 0.003 χ^2 /NDF: 1353.7/21

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -11.749+/-0.128 χ^2/NDF : 720.7/3

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

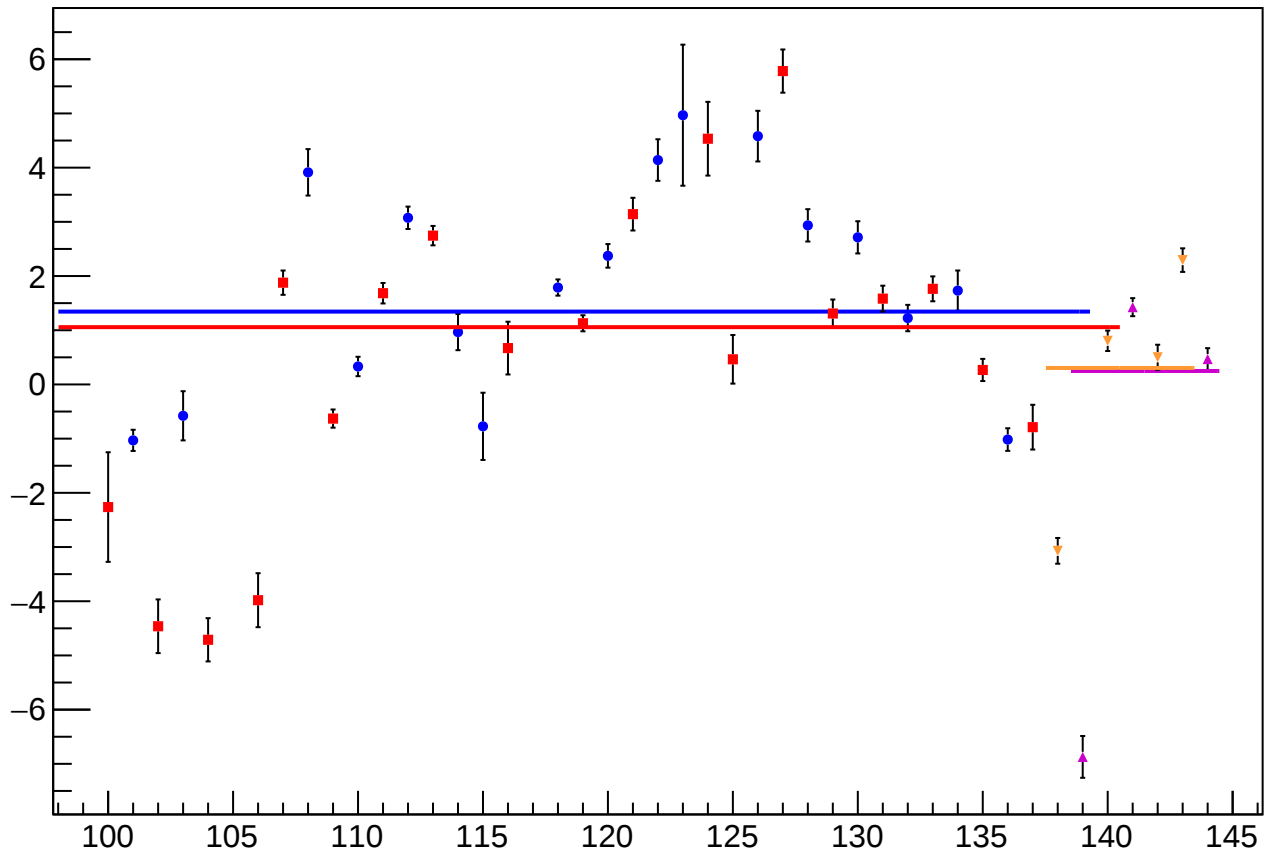
Left In: -11.414+/-0.138 χ^2/NDF : 1201.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.593+/-0.094 χ^2/NDF : 1925.2/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.344 ± 0.063 χ^2/NDF : 636.3/16

Left Out: 0.304 ± 0.108 χ^2/NDF : 293.3/3

Right Out: 1.057 ± 0.059 χ^2/NDF : 927.5/18

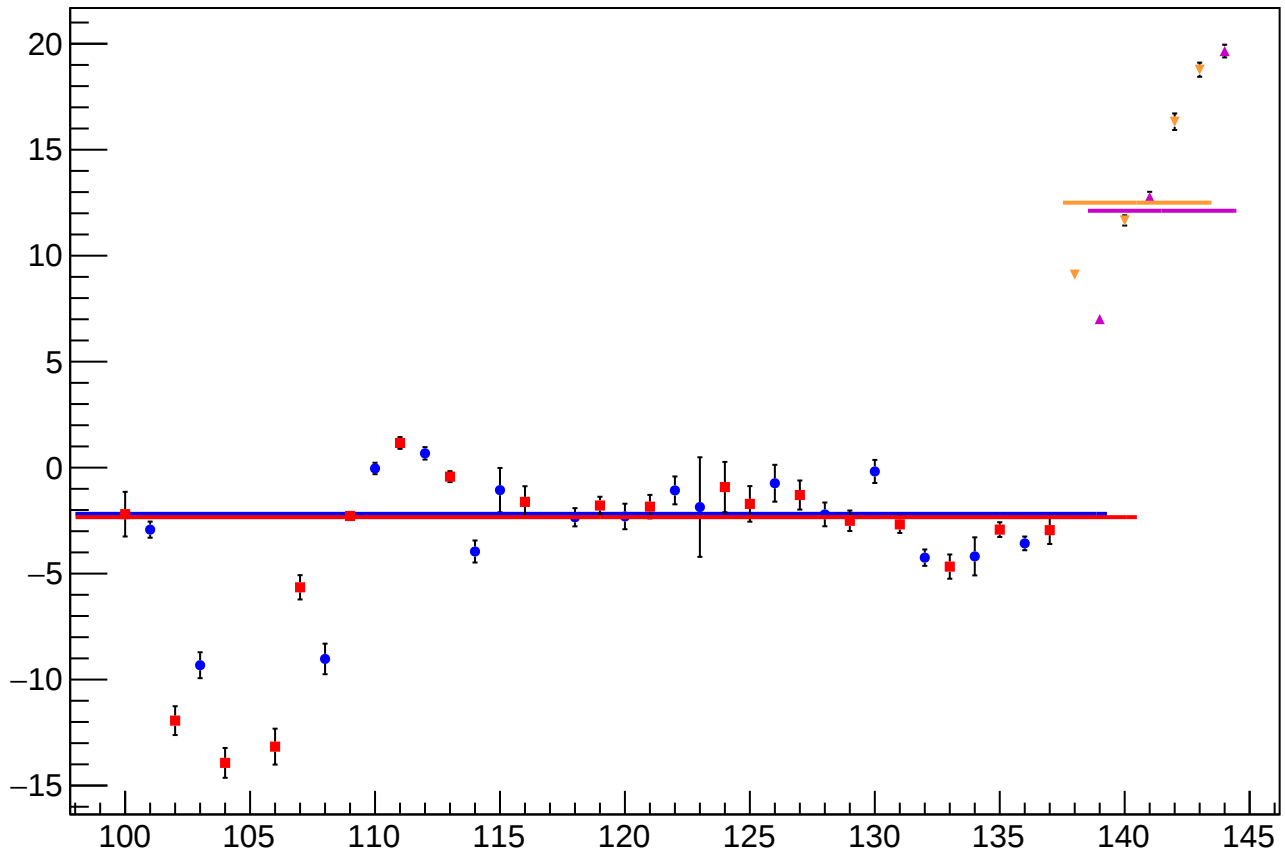
Left In: 0.248 ± 0.122 χ^2/NDF : 392.3/2

+ sign 1.079 ± 0.055 χ^2/NDF : 998.6/20

All: 0.988 ± 0.038 χ^2/NDF : 2359.5/42

- sign 0.902 ± 0.053 χ^2/NDF : 1355.5/21

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.181 $\pm$ 0.114 χ^2/NDF : 472.4/16

Left Out: 12.501 $\pm$ 0.138 χ^2/NDF : 690.7/3

Right Out: -2.337 $\pm$ 0.101 χ^2/NDF : 910.1/18

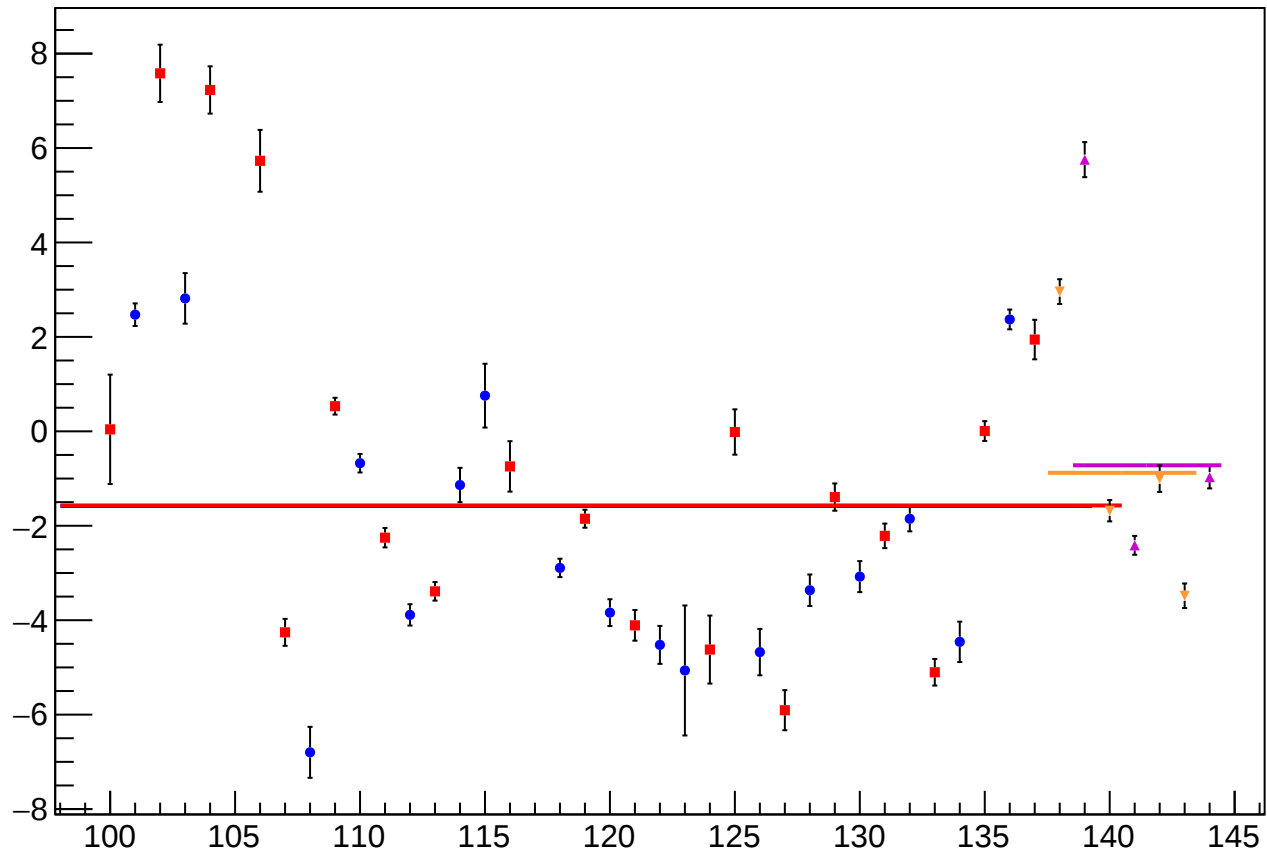
Left In: 12.119 $\pm$ 0.148 χ^2/NDF : 1108.2/2

+ sign 3.749 $\pm$ 0.088 χ^2/NDF : 7911.4/20

All: 2.968 $\pm$ 0.060 χ^2/NDF : 16599.9/42

- sign 2.263 $\pm$ 0.083 χ^2/NDF : 8537.9/21

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.581 ± 0.073 χ^2/NDF : 1247.7/16

Left Out: -0.878 ± 0.127 χ^2/NDF : 327.7/3

Right Out: -1.570 ± 0.067 χ^2/NDF : 1477.5/18

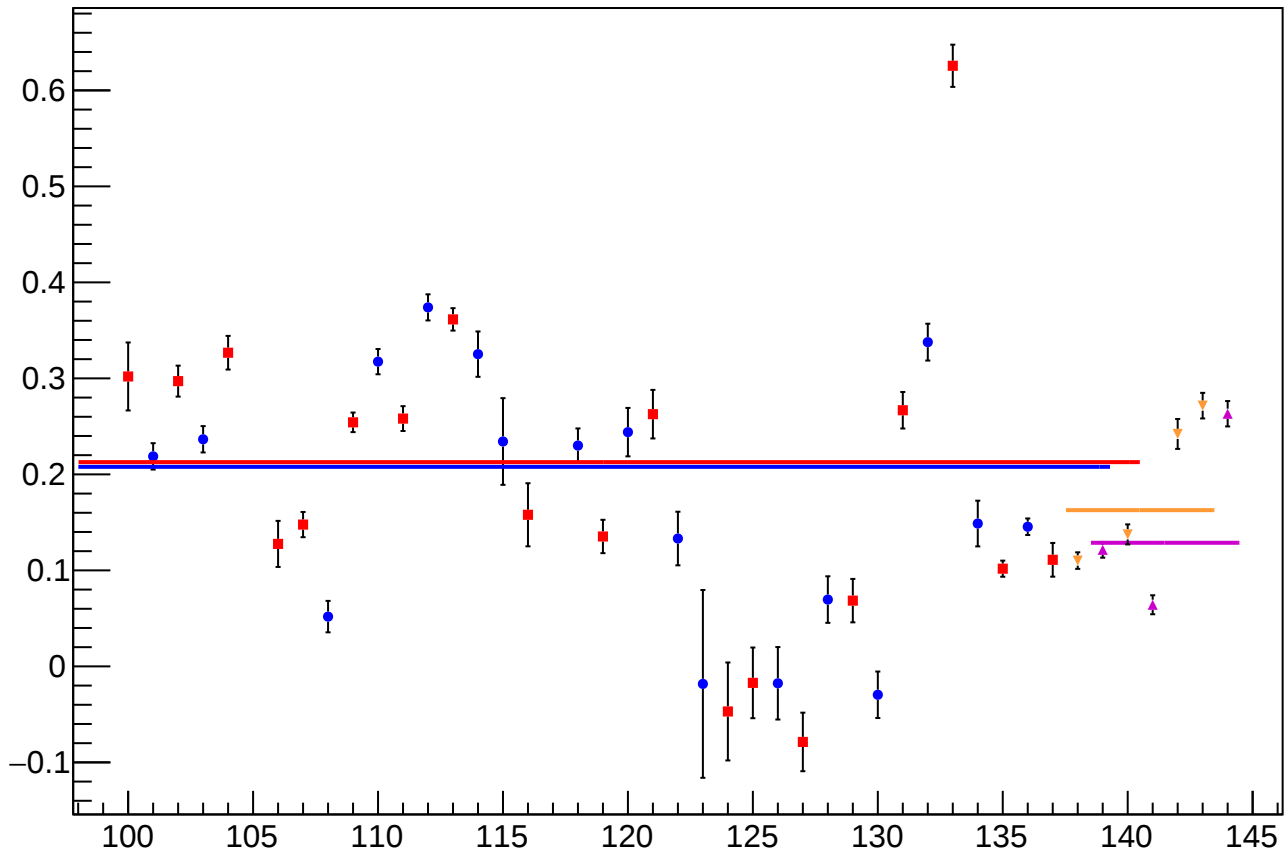
Left In: -0.719 ± 0.141 χ^2/NDF : 377.6/2

+ sign -1.409 ± 0.063 χ^2/NDF : 1598.4/20

All: -1.412 ± 0.044 χ^2/NDF : 3483.1/42

- sign -1.414 ± 0.060 χ^2/NDF : 1884.7/21

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.208 $\pm$ 0.004 χ^2 /NDF: 624.0/16

Left Out: 0.163 $\pm$ 0.006 χ^2 /NDF: 135.5/3

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1097.2/18

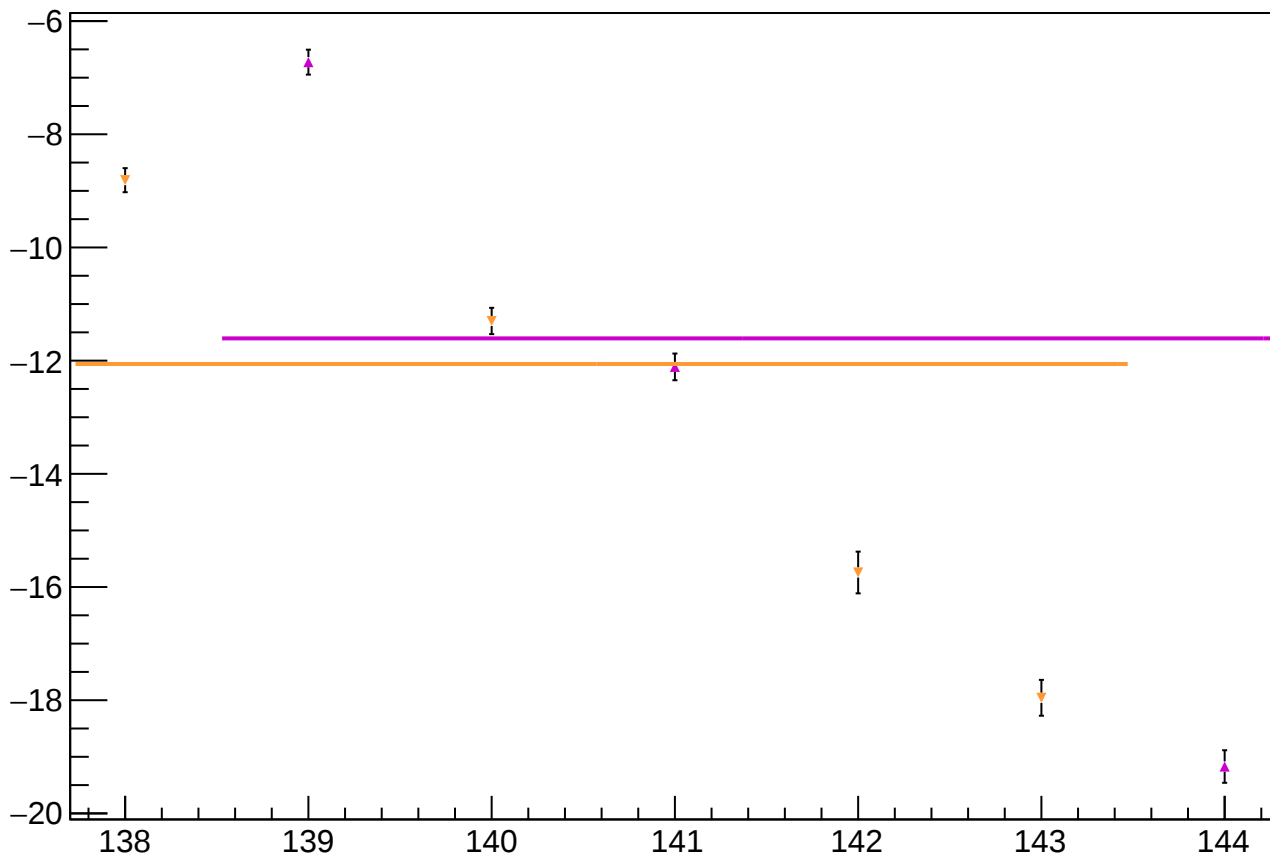
Left In: 0.129 $\pm$ 0.006 χ^2 /NDF: 146.8/2

+ sign 0.191 $\pm$ 0.003 χ^2 /NDF: 801.3/20

All: 0.189 $\pm$ 0.002 χ^2 /NDF: 2197.6/42

- sign 0.187 $\pm$ 0.003 χ^2 /NDF: 1395.5/21

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -12.059+/-0.131 χ^2/NDF : 691.2/3

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

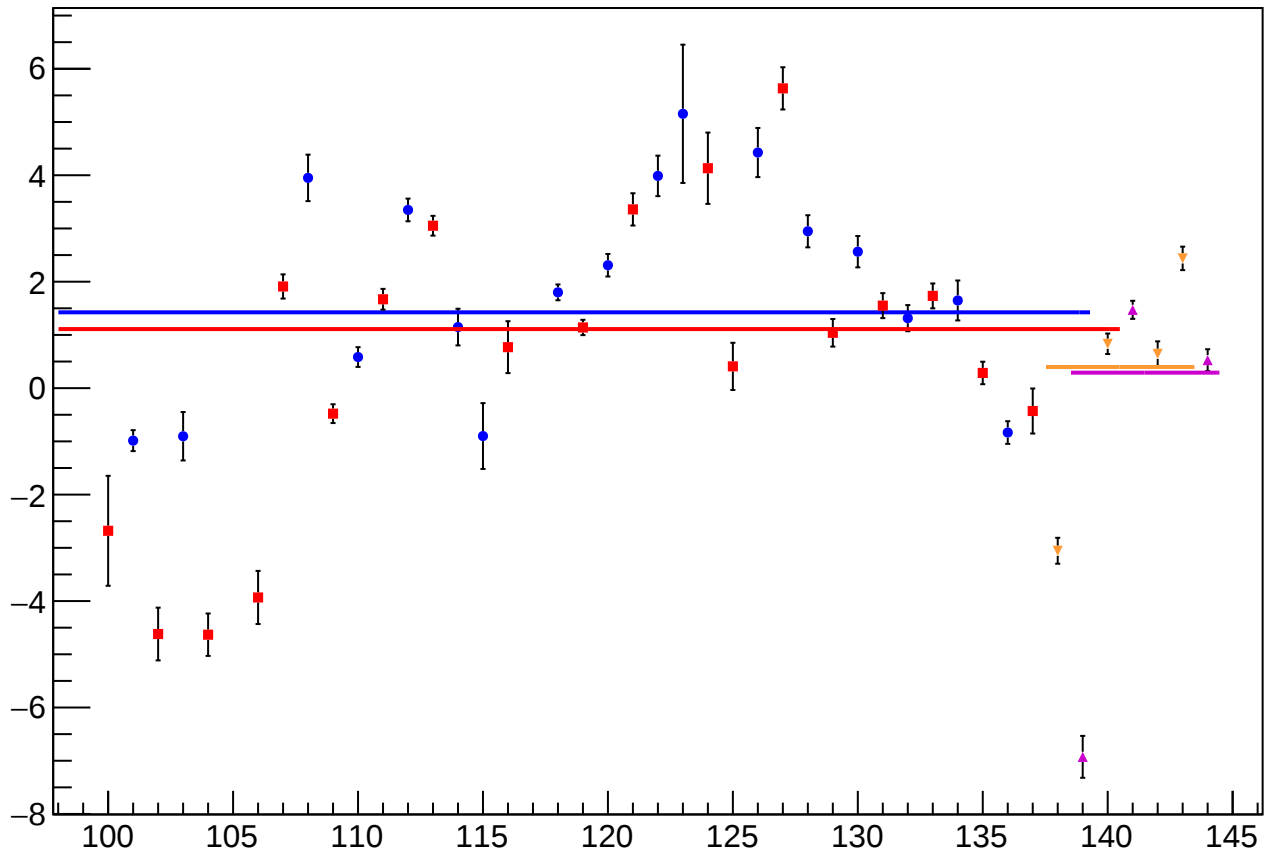
Left In: -11.607+/-0.141 χ^2/NDF : 1186.9/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.848+/-0.096 χ^2/NDF : 1883.6/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.425 $\pm$ 0.064 χ^2/NDF : 599.8/16

Left Out: 0.397 $\pm$ 0.110 χ^2/NDF : 292.8/3

Right Out: 1.110 $\pm$ 0.060 χ^2/NDF : 915.7/18

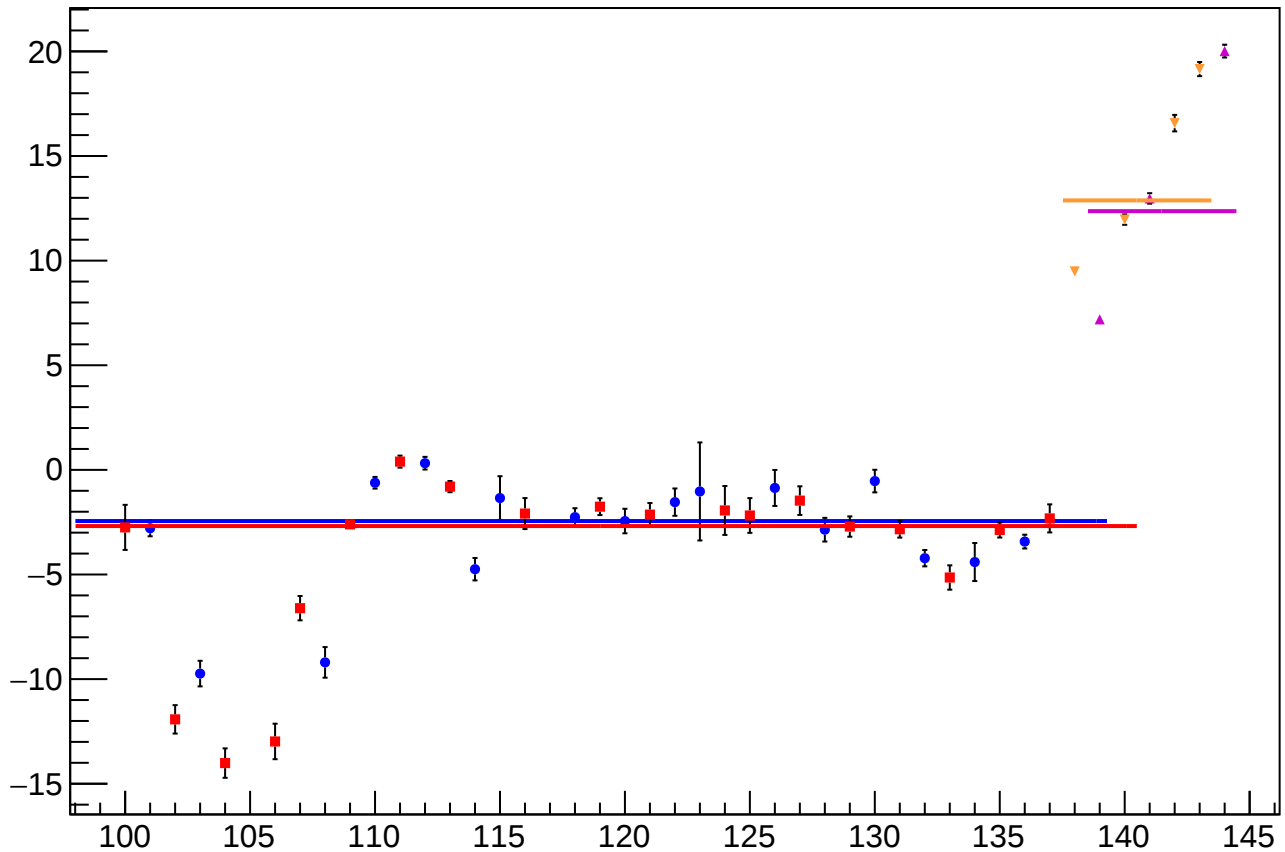
Left In: 0.291 $\pm$ 0.124 χ^2/NDF : 386.1/2

+ sign 1.167 $\pm$ 0.055 χ^2/NDF : 957.9/20

All: 1.058 $\pm$ 0.039 χ^2/NDF : 2302.6/42

- sign 0.955 $\pm$ 0.054 χ^2/NDF : 1337.1/21

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.446 ± 0.115 χ^2/NDF : 426.7/16

Left Out: 12.878 ± 0.141 χ^2/NDF : 662.3/3

Right Out: -2.686 ± 0.103 χ^2/NDF : 831.5/18

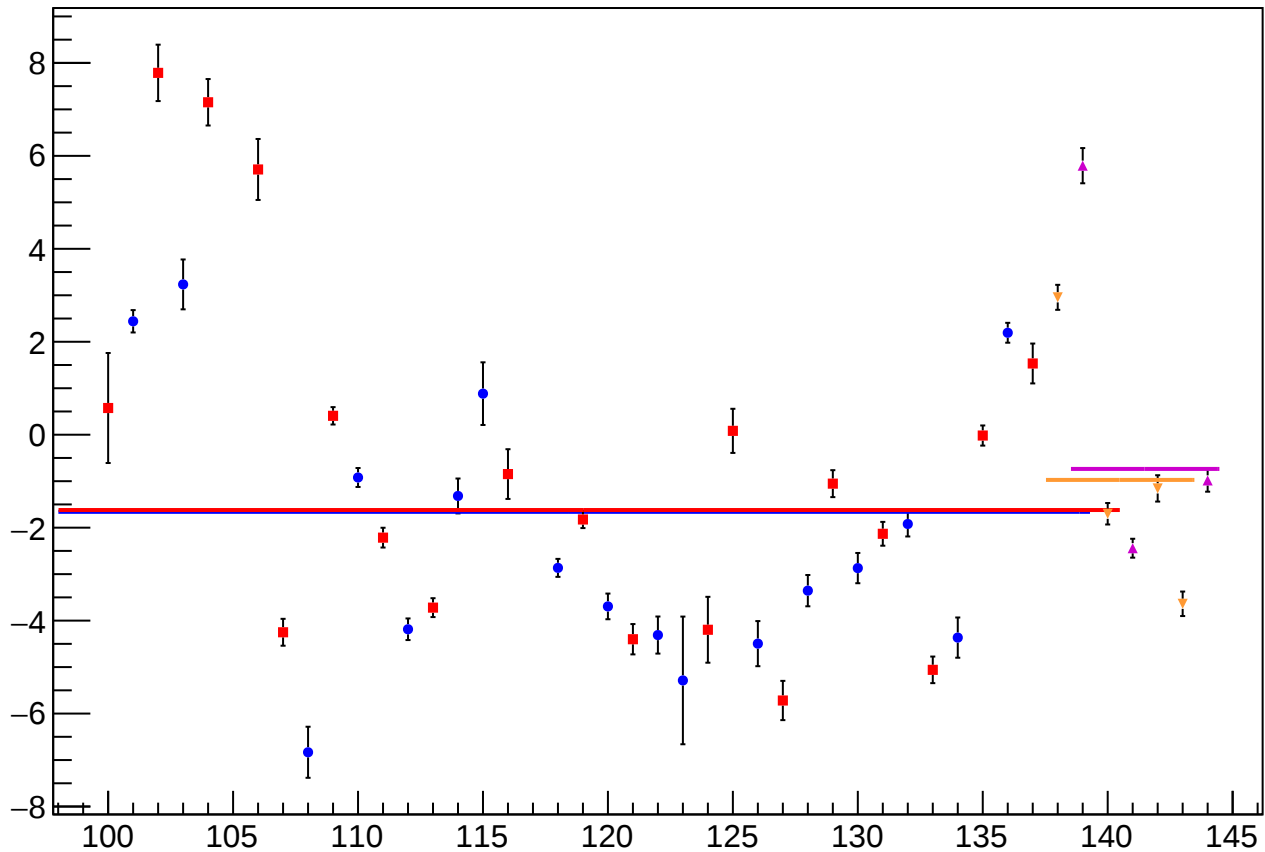
Left In: 12.365 ± 0.151 χ^2/NDF : 1093.8/2

+ sign 3.693 ± 0.089 χ^2/NDF : 8164.5/20

All: 2.868 ± 0.062 χ^2/NDF : 17039.2/42

- sign 2.118 ± 0.085 χ^2/NDF : 8711.7/21

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.659 ± 0.073 $\chi^2/\text{NDF}: 1190.9/16$

Left Out: -0.972 ± 0.130 $\chi^2/\text{NDF}: 326.0/3$

Right Out: -1.620 ± 0.068 $\chi^2/\text{NDF}: 1448.8/18$

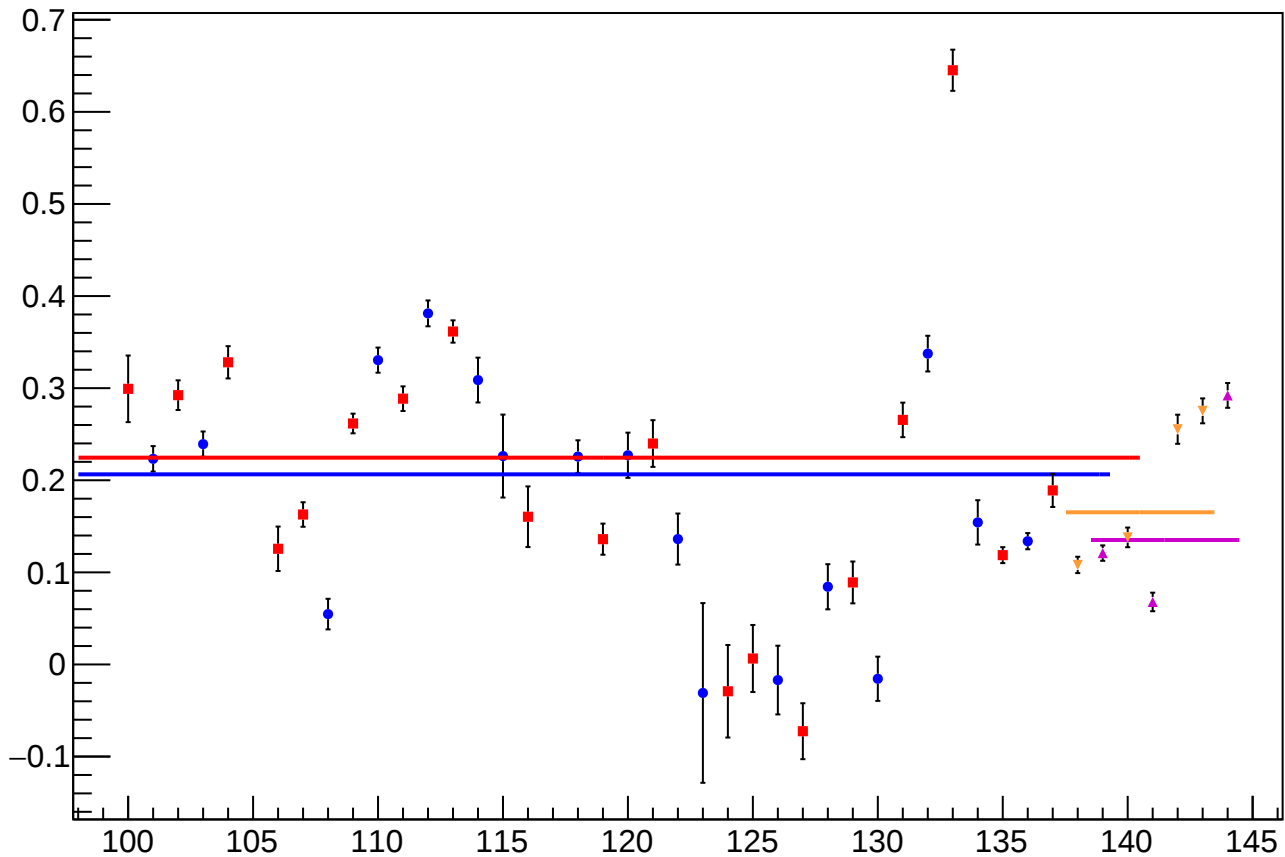
Left In: -0.736 ± 0.144 $\chi^2/\text{NDF}: 368.1/2$

+ sign -1.493 ± 0.064 $\chi^2/\text{NDF}: 1538.2/20$

All: -1.476 ± 0.044 $\chi^2/\text{NDF}: 3386.0/42$

- sign -1.460 ± 0.061 $\chi^2/\text{NDF}: 1847.7/21$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.206 $\pm$ 0.004 χ^2 /NDF: 625.2/16

Left Out: 0.165 $\pm$ 0.006 χ^2 /NDF:146.9/3

Right Out: 0.225 $\pm$ 0.004 χ^2 /NDF: 995.0/18

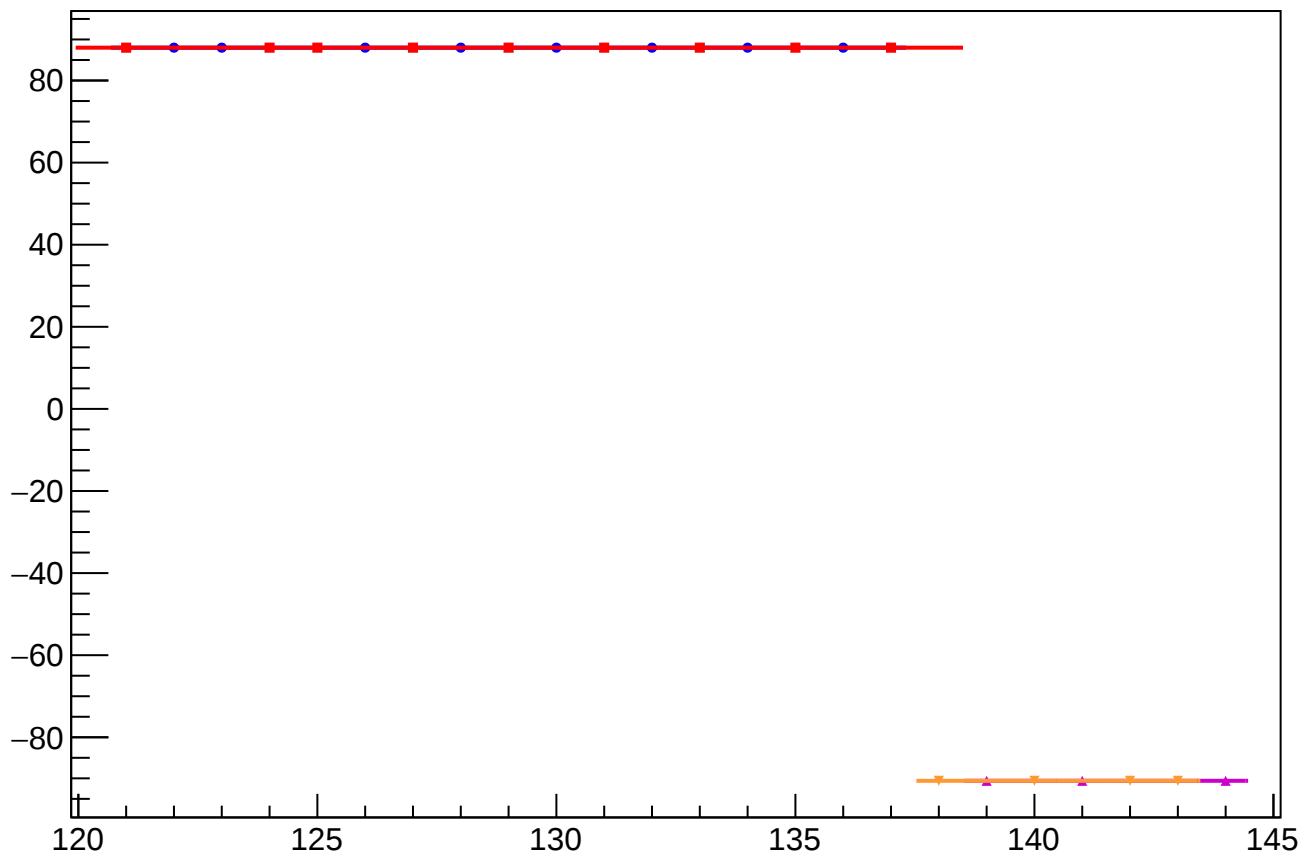
Left In: 0.135 $\pm$ 0.006 χ^2 /NDF:183.5/2

+ sign 0.192 $\pm$ 0.003 χ^2 /NDF: 805.6/20

All: 0.195 $\pm$ 0.002 χ^2 /NDF: 2150.5/42

- sign 0.197 $\pm$ 0.003 χ^2 /NDF: 1343.3/21

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 922500.3/7

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 1985960.5/3

Right Out: 88.001 $\pm$ 0.000 χ^2 /NDF: 211440.0/8

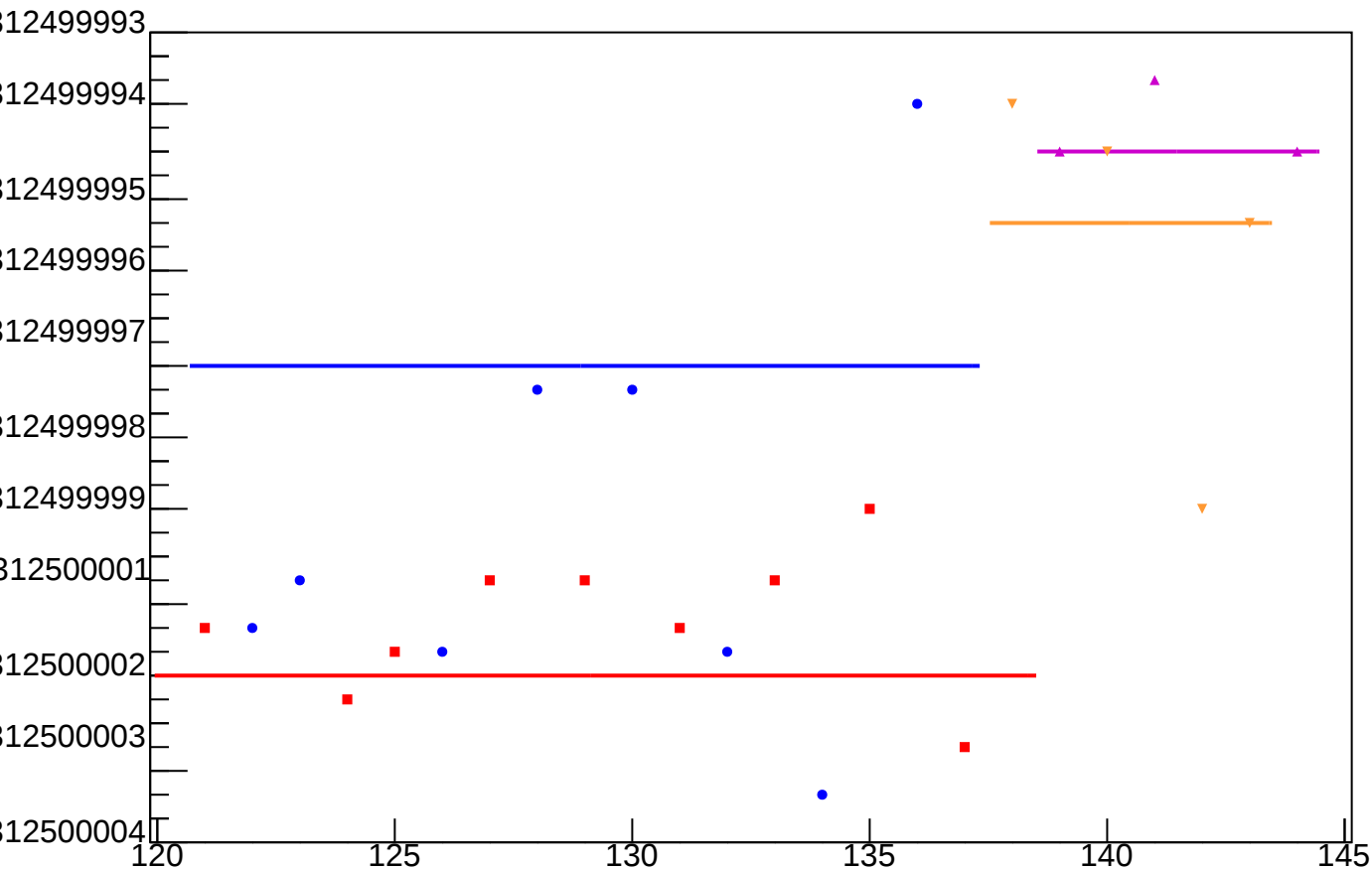
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 275053.7/2

+ sign 8.331 $\pm$ 0.000 χ^2 /NDF: 48236282747058807

All: 8.943 $\pm$ 0.000 χ^2 /NDF: 9262495477451

- sign 9.606 $\pm$ 0.000 χ^2 /NDF: 44383894218761015

HWlenAngle_mean vs Slug



Right In: -29.641+/-0.000 χ^2/NDF : 433709.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 117534.0/3

Right Out: -29.641+/-0.000 χ^2/NDF : 61505.9/8

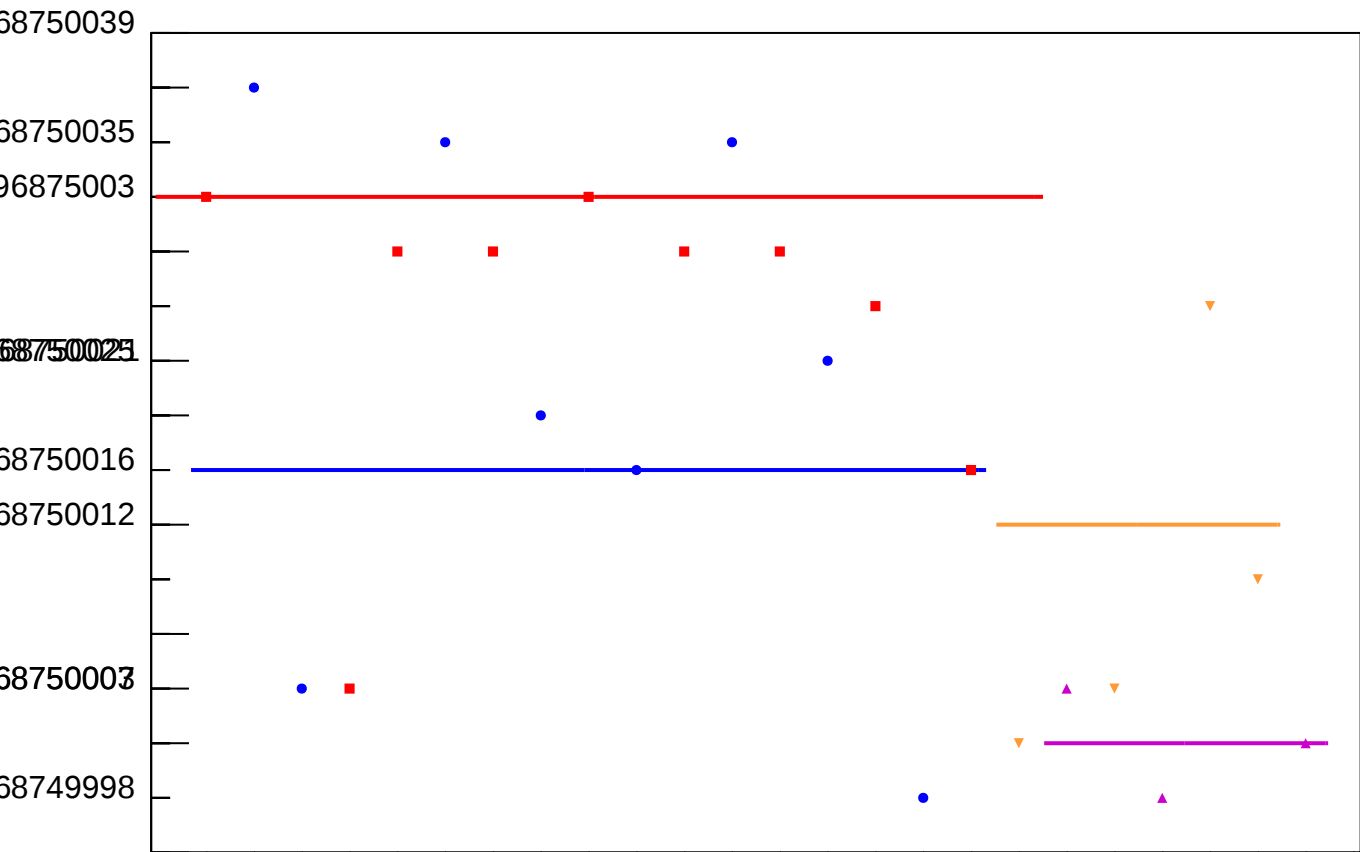
Left In: -29.641+/-0.000 χ^2/NDF : 9655.7/2

+ sign -29.641+/-0.000 χ^2/NDF : 699978.4/11

All: -29.641+/-0.000 χ^2/NDF : 1496955.1/23

- sign -29.641+/-0.000 χ^2/NDF : 739673.9/11

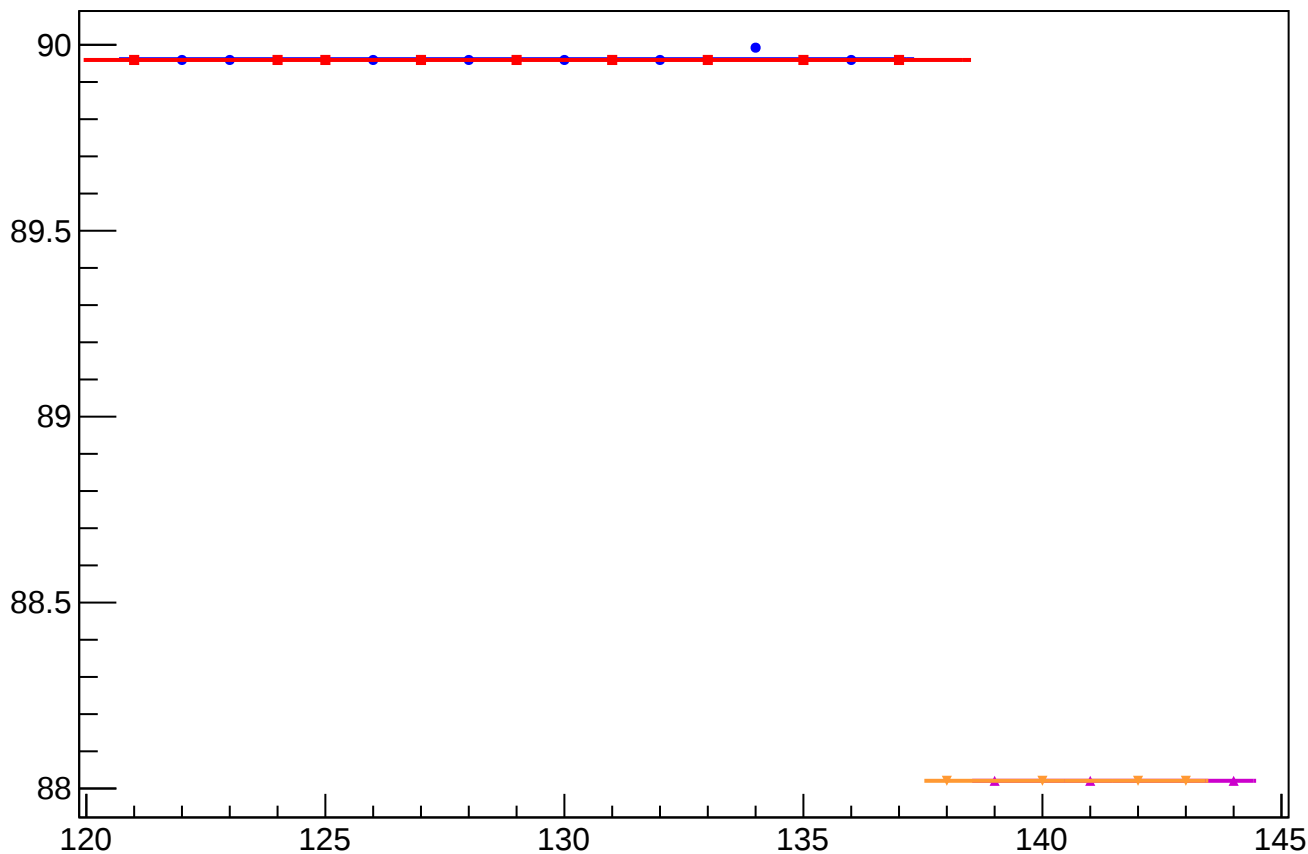
psub_pl_pos_mean vs Slug



68749994

Right In: 1467.979+/-0.000	χ^2/NDF : 426876894.9/7	+ sign 1467.979+/-0.000	χ^2/NDF : 630776915.9/11
Left Out: 1467.979+/-0.000	χ^2/NDF : 144187920.5/3	All: 1467.979+/-0.000	χ^2/NDF : 158622222.2
Right Out: 1467.979+/-0.000	χ^2/NDF : 100967733.5/8	- sign 1467.979+/-0.000	χ^2/NDF : 616663146.7/11
Left In: 1467.979+/-0.000	χ^2/NDF : 8220107.3/2		

Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21516176742595877338351665152.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 1836922.6/3

Right Out: 89.959+/-0.000 χ^2/NDF : 437824.1/8

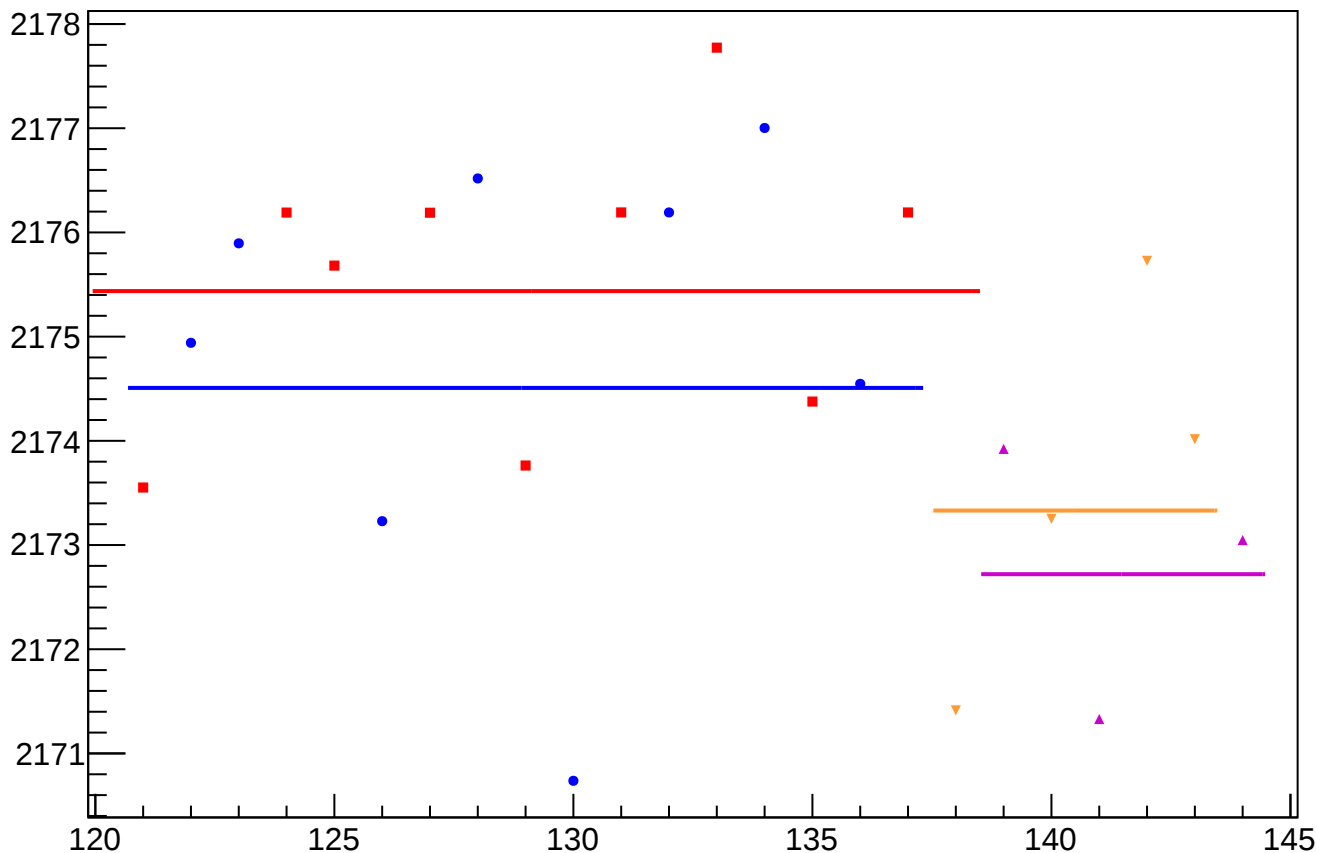
Left In: 88.021+/-0.000 χ^2/NDF : 223556.9/2

+ sign 89.096+/-0.000 χ^2/NDF : 5695315037787641

All: 89.102+/-0.000 χ^2/NDF : 1092499983853

- sign 89.108+/-0.000 χ^2/NDF : 5229210345420210

HALLA_p_mean vs Slug



Right In: 2174.508+/-0.000 χ^2/NDF : 1288672467722248839202216695824384.0/7

Left Out: 2173.331+/-0.000 χ^2/NDF : 582987659550725162808007725154304.0/3

Right Out: 2175.437+/-0.000 χ^2/NDF : 609897805551545828750017702133760.0/8

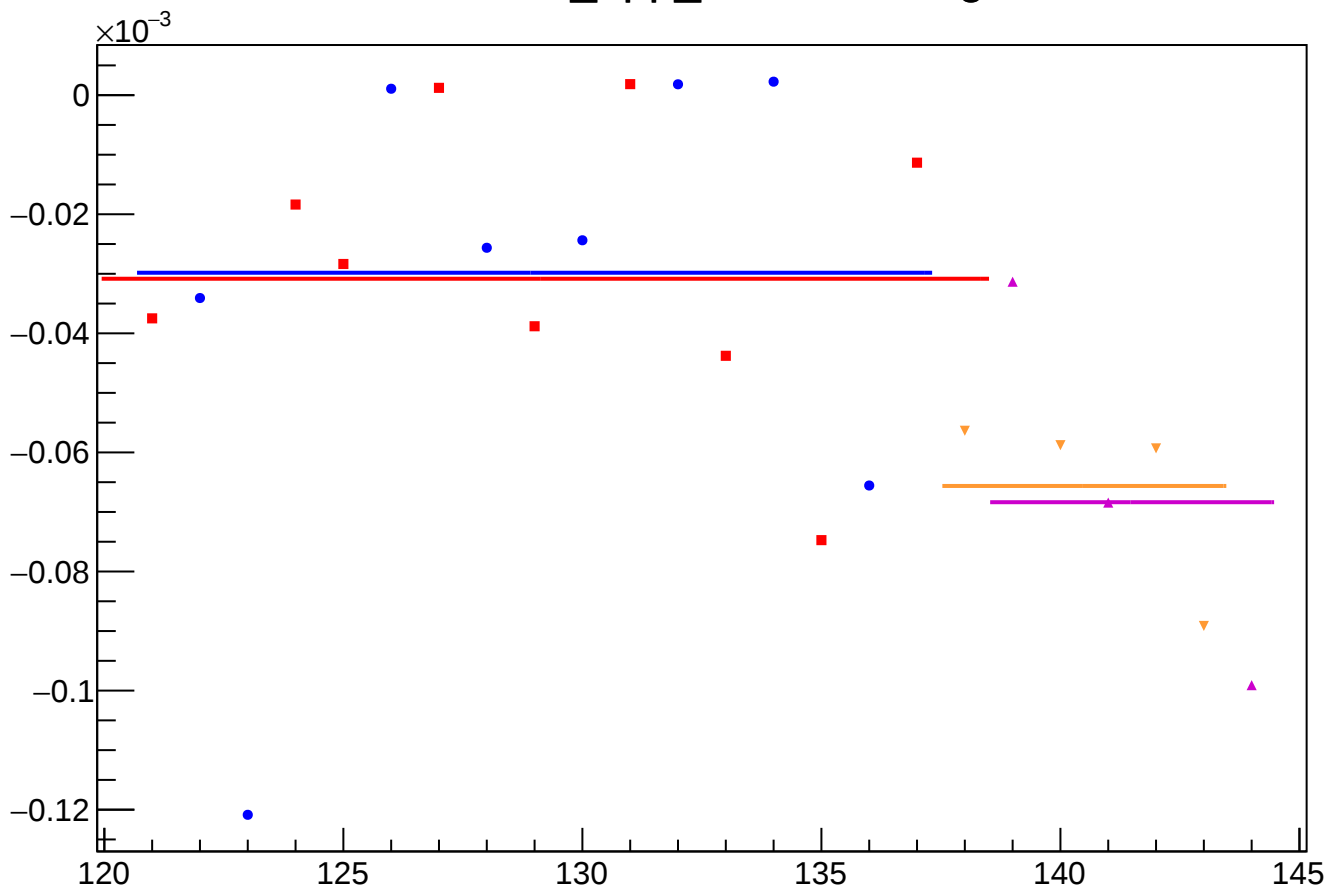
Left In: 2172.720+/-0.000 χ^2/NDF : 280768238828903497098513352753152.0/2

+ sign 2173.983+/-0.000 χ^2/NDF : 20811280713671

All: 2174.109+/-0.000 χ^2/NDF : 40190361587

- sign 2174.245+/-0.000 χ^2/NDF : 19177970844254

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 248631969637472403456000.0/7

Left Out: -0.000+/-0.000 χ^2/NDF : 49408877833351212302336.0/3

Right Out: -0.000+/-0.000 χ^2/NDF : 195498158247260480077824.0/8

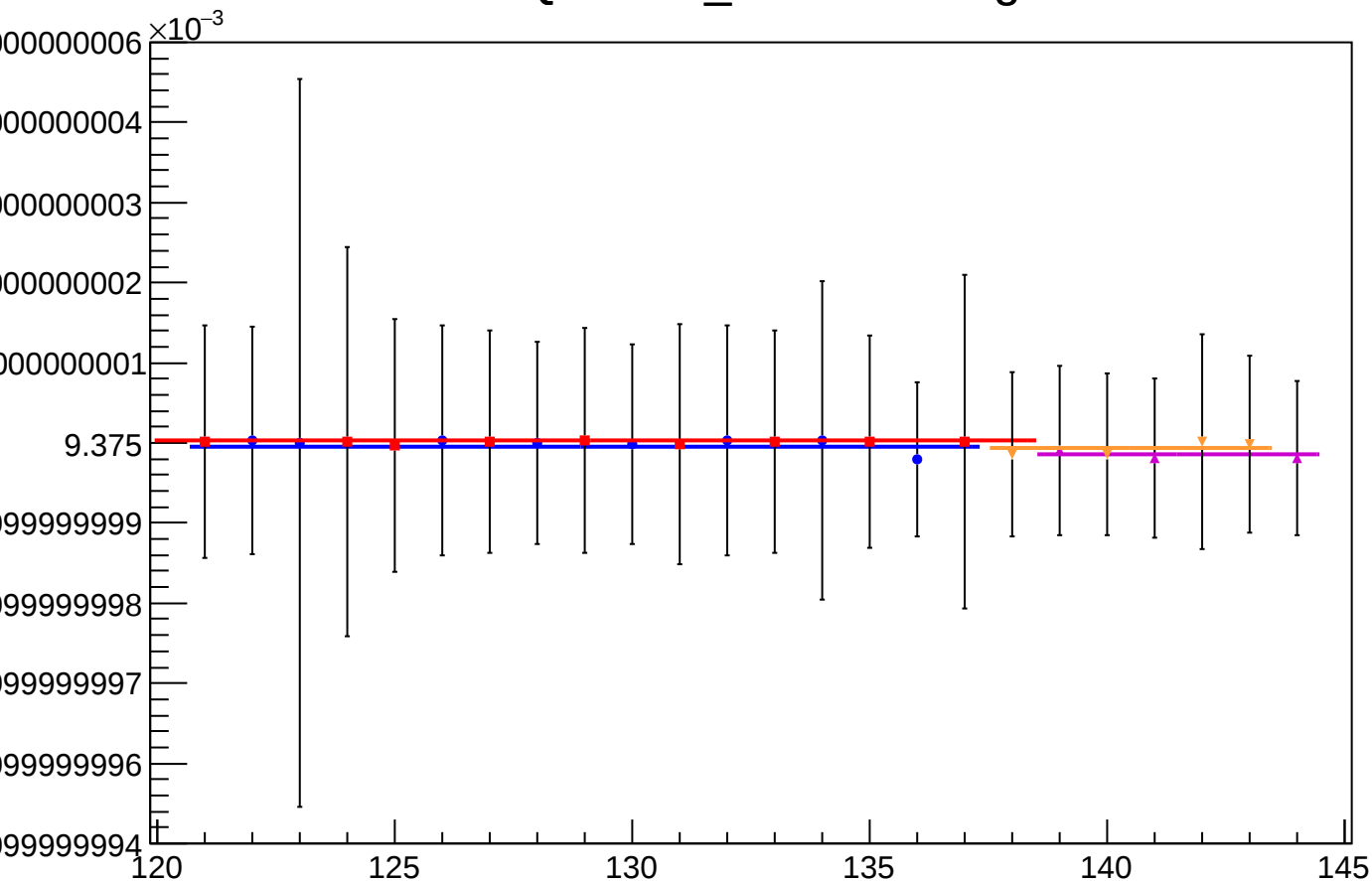
Left In: -0.000+/-0.000 χ^2/NDF : 185508677461974617948160.0/2

+ sign -0.000+/-0.000 χ^2/NDF : 4919558314839854

All: -0.000+/-0.000 χ^2/NDF : 1069616526782

- sign -0.000+/-0.000 χ^2/NDF : 57699281050428990

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 : 0.0/3

Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

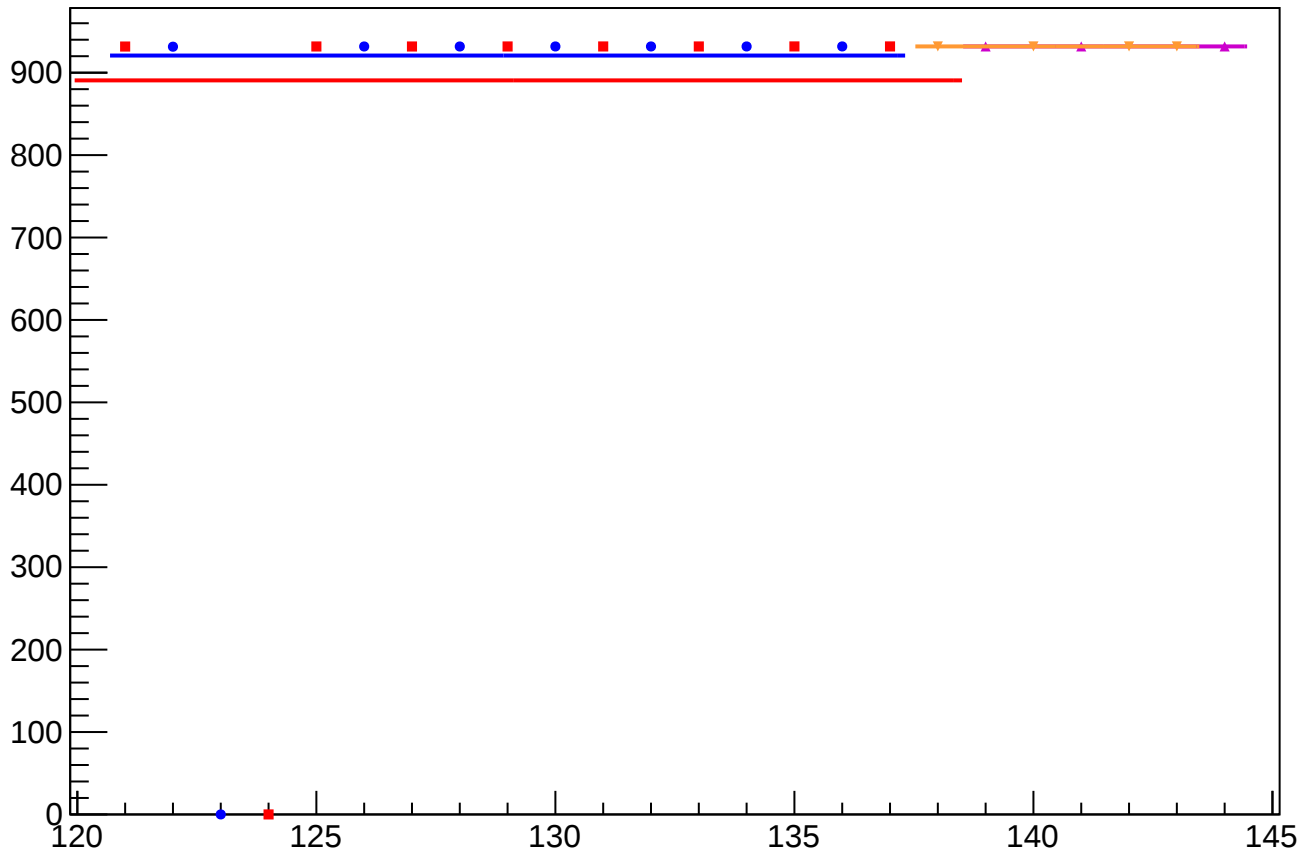
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/2

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/11

All: 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/23

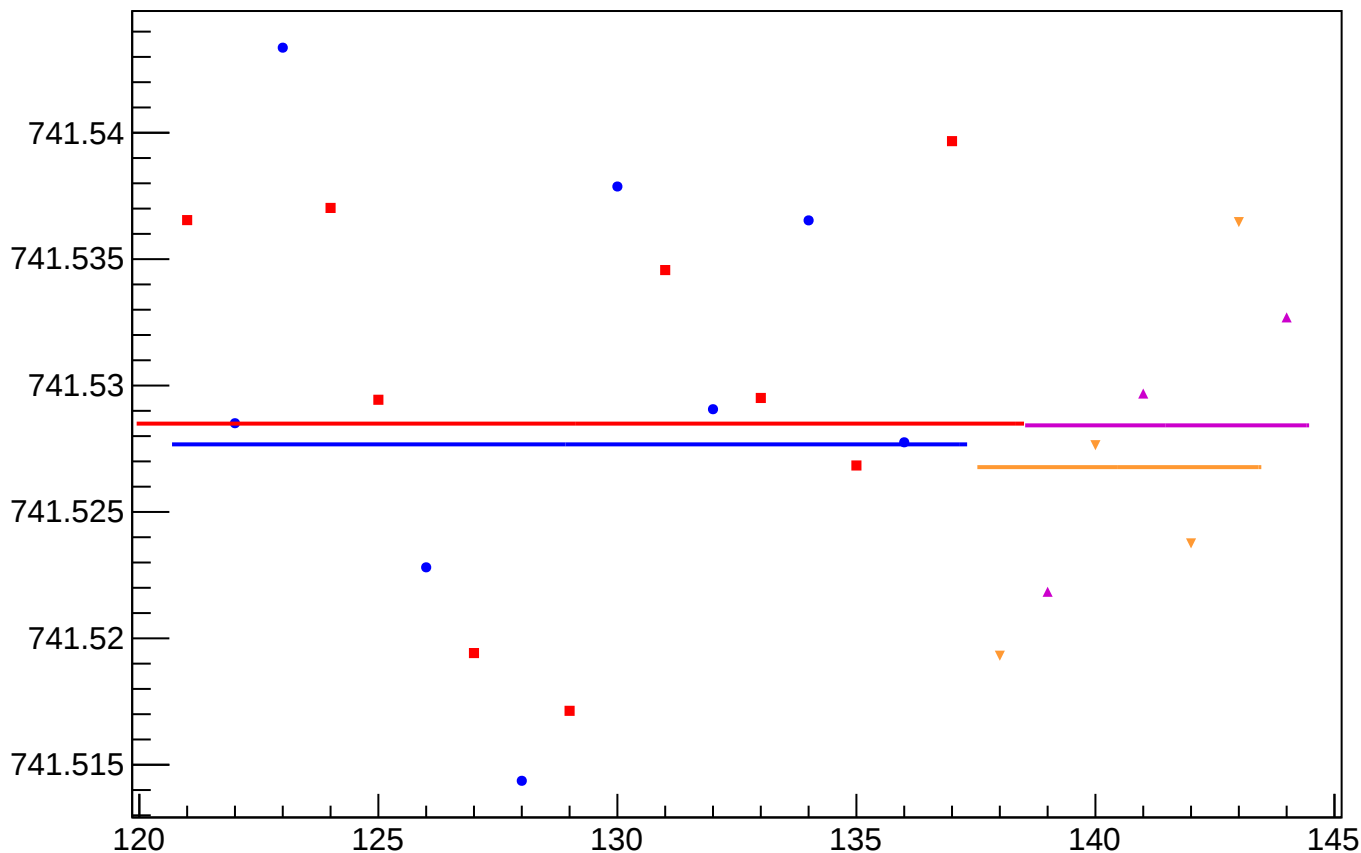
- sign 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/11

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.801+/-0.000 χ^2/NDF : 3431767977579138653856652958525030400.0/7
 Left Out: 931.873+/-0.000 χ^2/NDF : 12374631710994733675499749376.0/3
 Right Out: 890.665+/-0.000 χ^2/NDF : 11618305184314211867640193192732655616.0/8
 Left In: 931.869+/-0.000 χ^2/NDF : 402006558815676110392000512.0/2

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528+/-0.000 χ^2/NDF : 18410222451199973732634329088.0/7

Left Out: 741.527+/-0.000 χ^2/NDF : 11115003141186605118727913472.0/3

Right Out: 741.528+/-0.000 χ^2/NDF : 16449370370749481853797793792.0/8

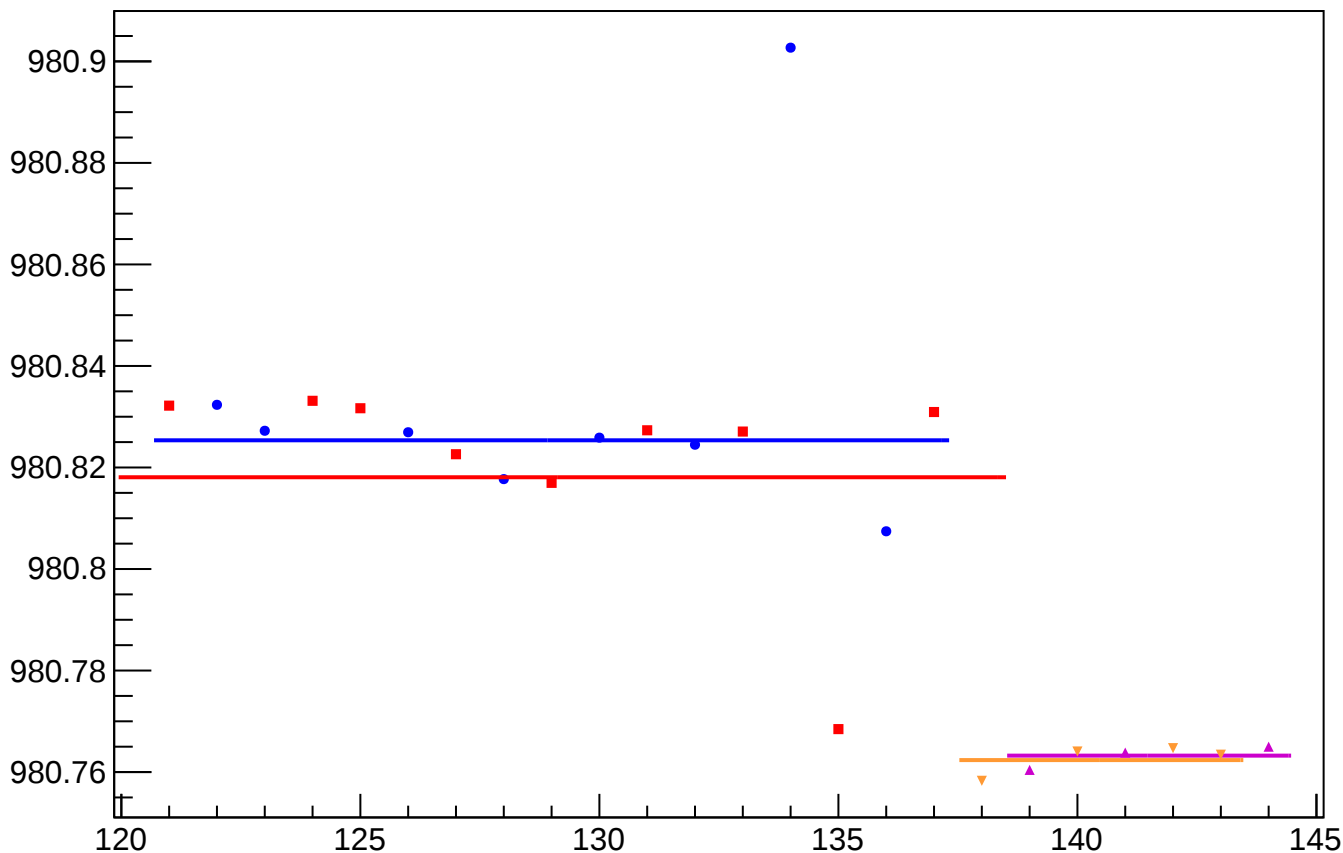
Left In: 741.528+/-0.000 χ^2/NDF : 4964476388650031302106415104.0/2

+ sign 741.527+/-0.000 χ^2/NDF : 296478575249965

All: 741.528+/-0.000 χ^2/NDF : 514799626709

- sign 741.528+/-0.000 χ^2/NDF : 214145032133549

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000

χ^2/NDF : 159096869175585744562040078336.0/7

Left Out: 980.762+/-0.000

χ^2/NDF : 1863220762843567198451007488.0/3

Right Out: 980.818+/-0.000

χ^2/NDF : 143449983287257544108372131840.0/8

Left In: 980.763+/-0.000

χ^2/NDF : 891462294055852882740117504.0/2

+ sign 980.797+/-0.000

χ^2/NDF : 761065666297972

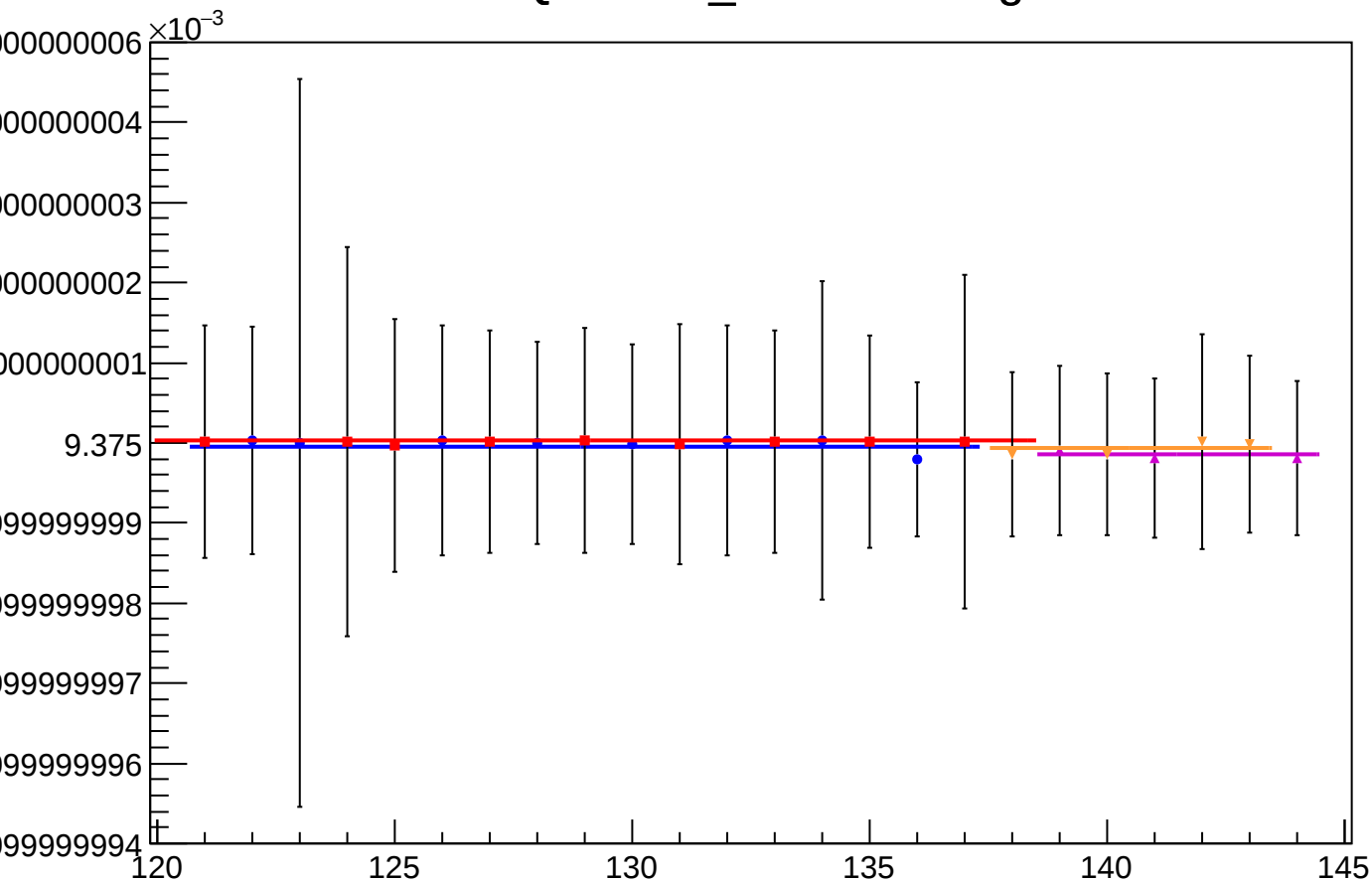
All: 980.796+/-0.000

χ^2/NDF : 132693392292

- sign 980.794+/-0.000

χ^2/NDF : 562767736804723

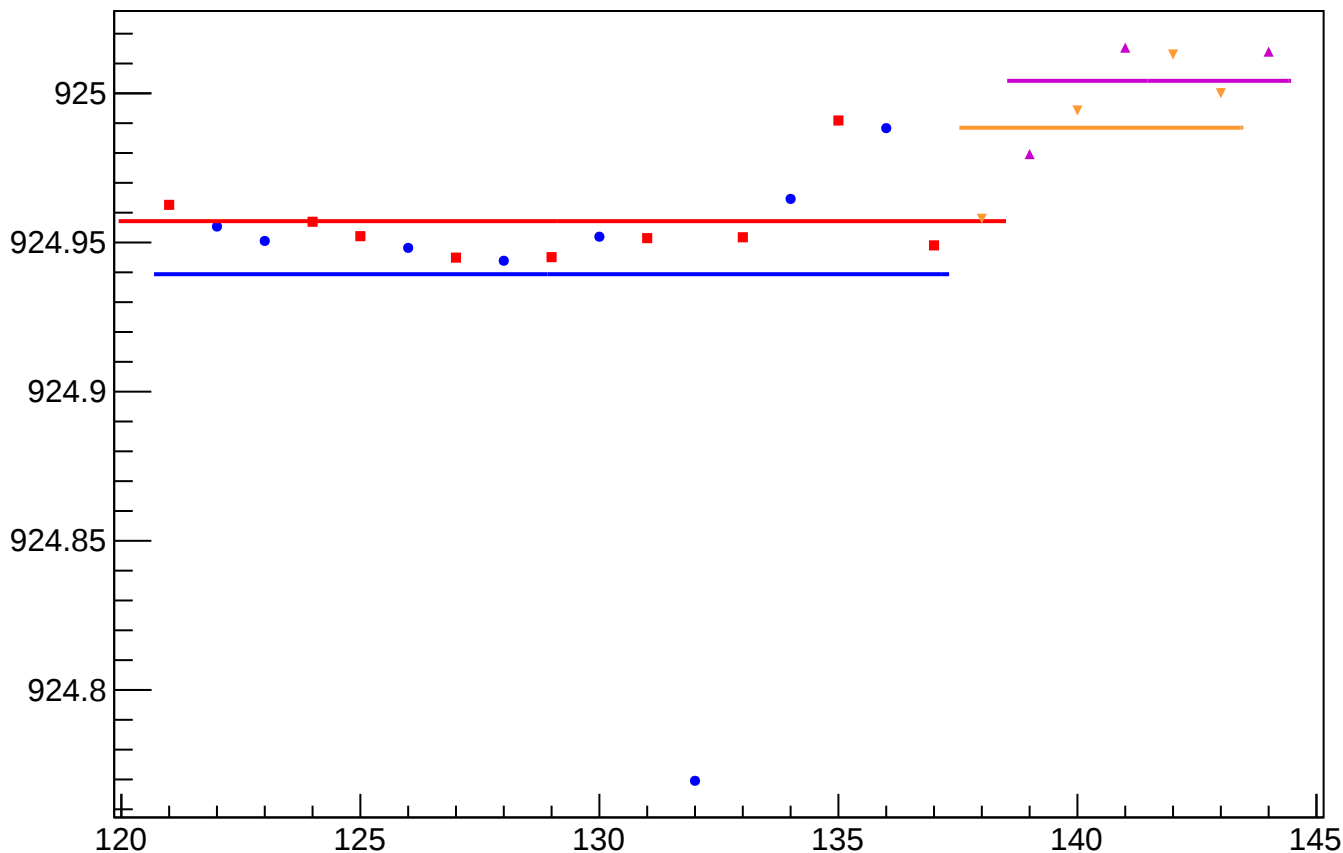
MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7
 Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/3
 Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8
 Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/2

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/11
 All: 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/23
 - sign 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/11

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939+/-0.000

χ^2/NDF : 1401388477255469733232112566272.0/7

Left Out: 924.988+/-0.000

χ^2/NDF : 112078900793521263959743660032.0/3

Right Out: 924.957+/-0.000

χ^2/NDF : 71753961121998015100639772672.0/8

Left In: 925.004+/-0.000

χ^2/NDF : 63624014587262896560830152704.0/2

+ sign 924.961+/-0.000

χ^2/NDF : 187802887085444

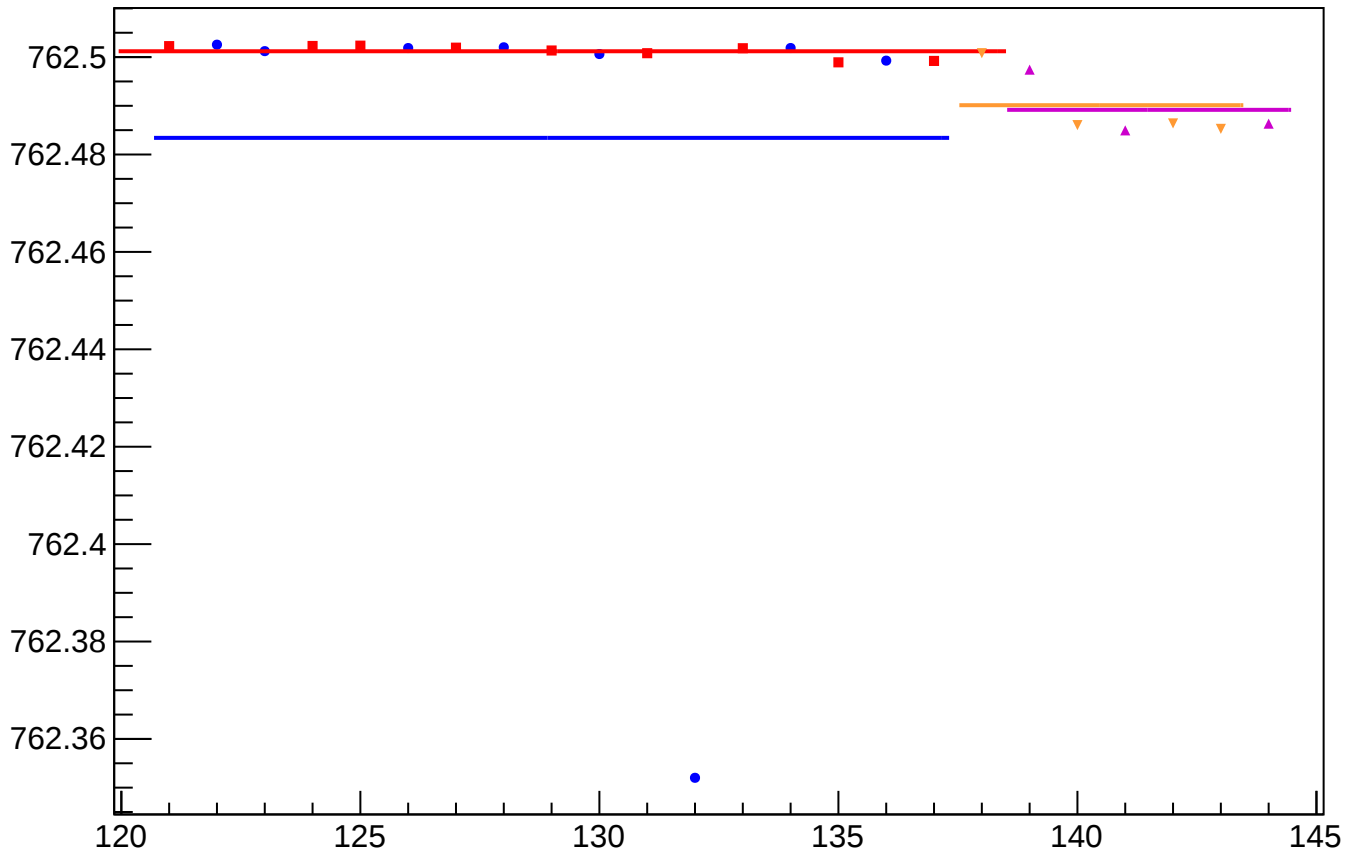
All: 924.969+/-0.000

χ^2/NDF : 240148239053

- sign 924.978+/-0.000

χ^2/NDF : 443196581280524

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.483+/-0.000 χ^2/NDF : 783456713793632421311688998912.0/7

Left Out: 762.490+/-0.000 χ^2/NDF : 12491630335049657619109117952.0/3

Right Out: 762.501+/-0.000 χ^2/NDF : 468364983766916667715616768.0/8

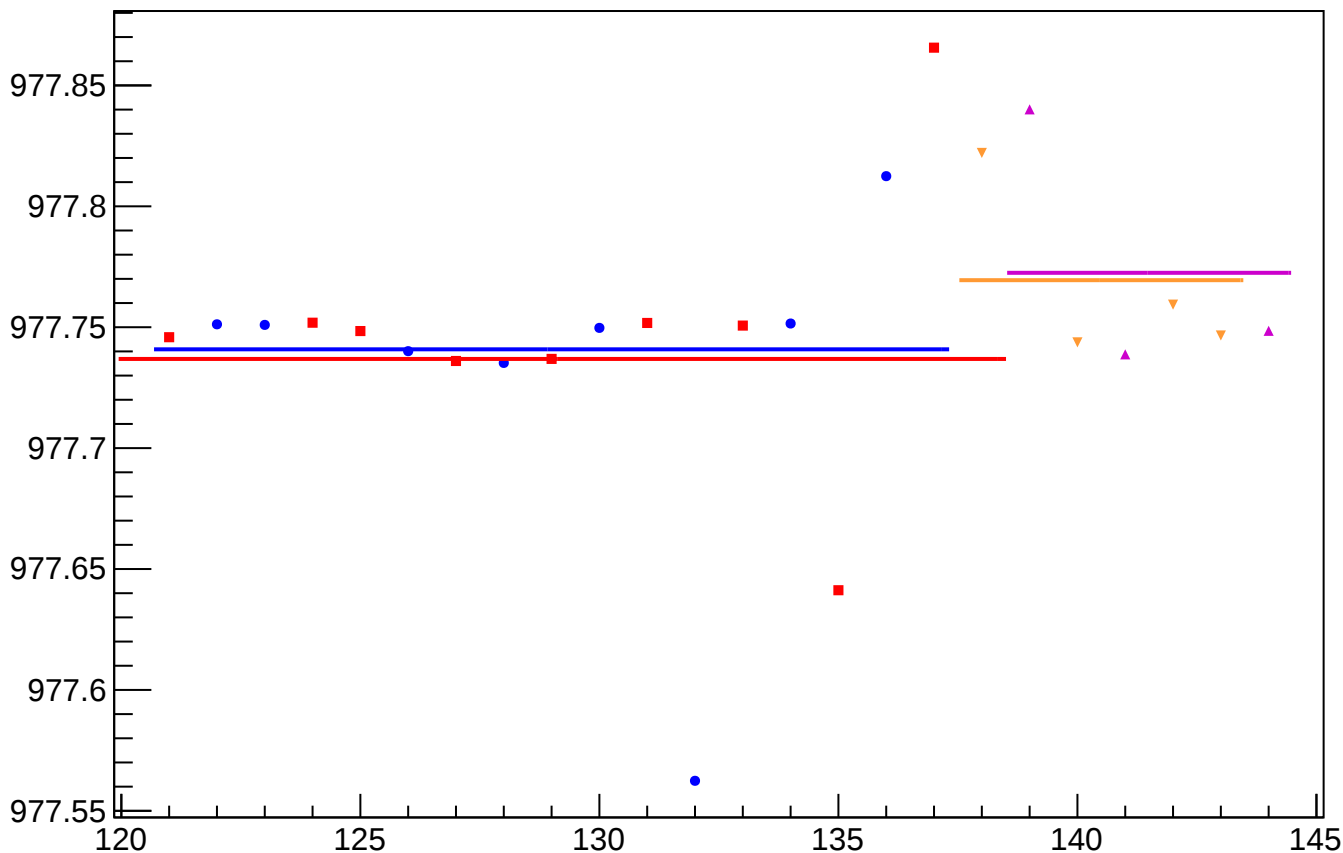
Left In: 762.489+/-0.000 χ^2/NDF : 7267643770755131542515744768.0/2

+ sign 762.486+/-0.000 χ^2/NDF : 802751176973872

All: 762.491+/-0.000 χ^2/NDF : 85719400156

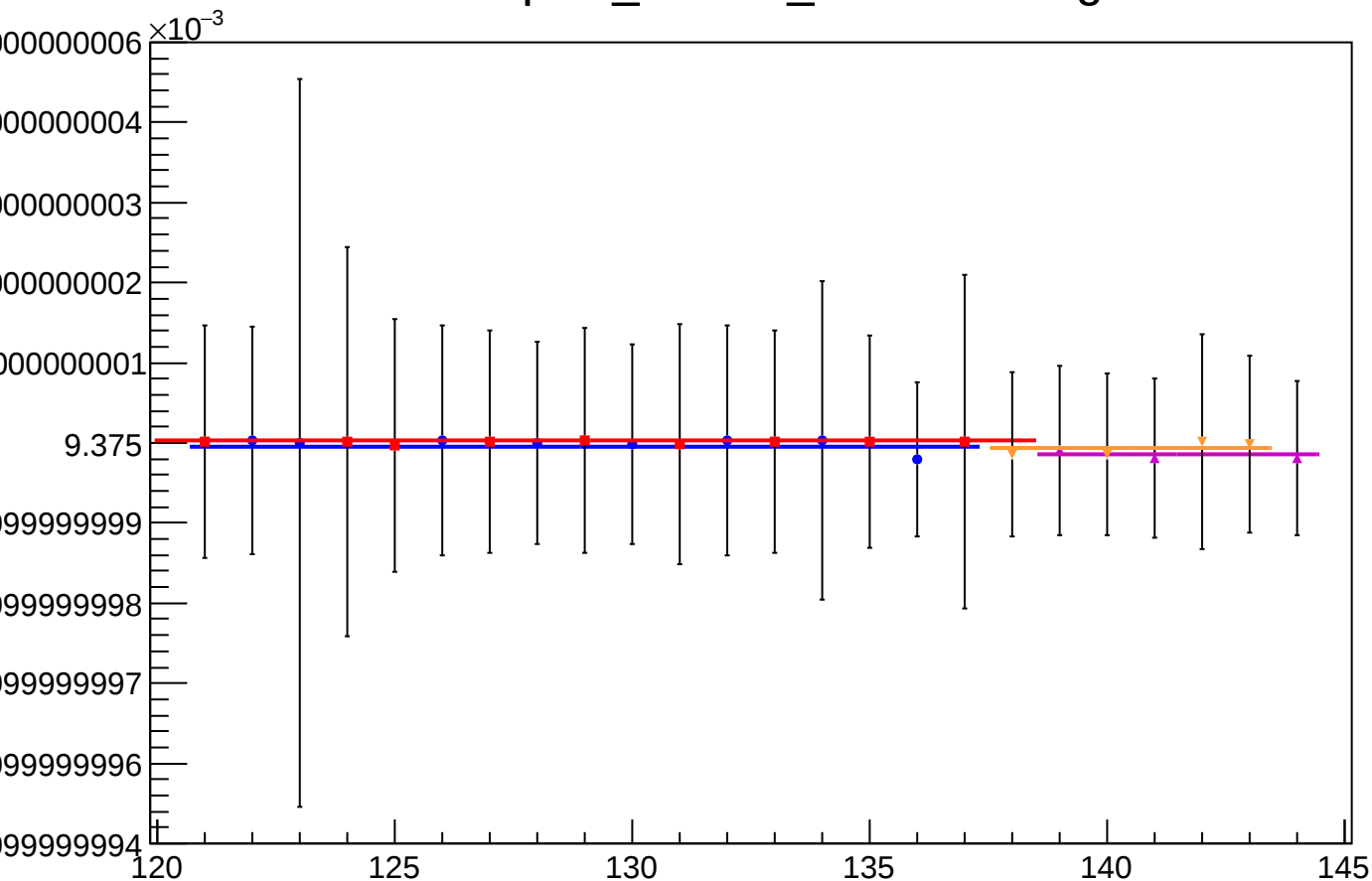
- sign 762.496+/-0.000 χ^2/NDF : 278674628707506

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741+/-0.000 χ^2/NDF : 1738037233029946574744730992640.0/7
 Left Out: 977.769+/-0.000 χ^2/NDF : 310014024355484659856160325632.0/3
 Right Out: 977.737+/-0.000 χ^2/NDF : 771953144544759396277170470912.0/8
 Left In: 977.773+/-0.000 χ^2/NDF : 48601479729318998982000640000.0/2

hesDipole_current_mean vs Slug



Right In: 0.009 ± 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 ± 0.000 χ^2/NDF : 0.0/3

Right Out: 0.009 ± 0.000 χ^2/NDF : 0.0/8

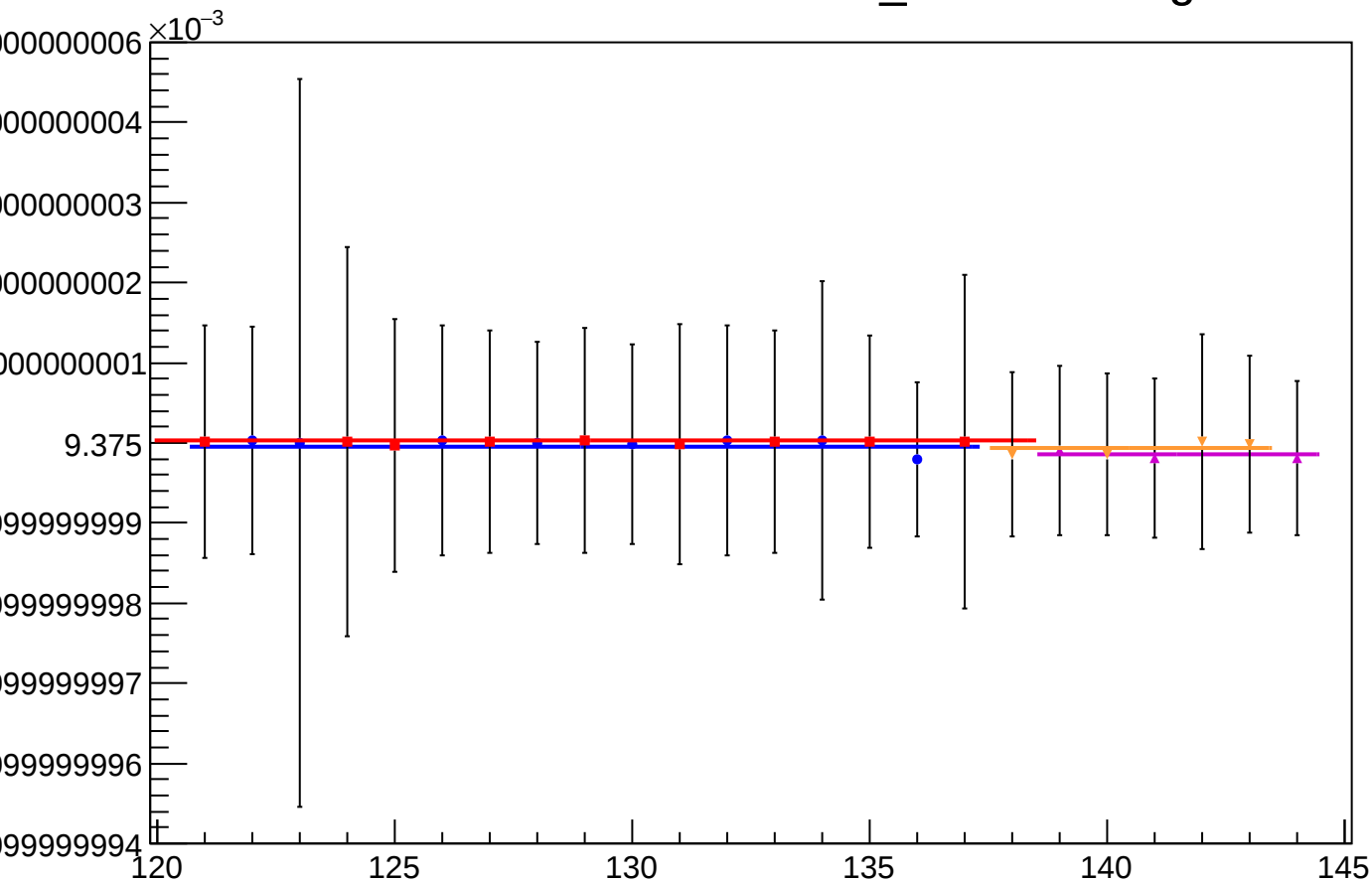
Left In: 0.009 ± 0.000 χ^2/NDF : 0.0/2

+ sign 0.009 ± 0.000 χ^2/NDF : 0.1/11

All: 0.009 ± 0.000 χ^2/NDF : 0.1/23

- sign 0.009 ± 0.000 χ^2/NDF : 0.1/11

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:0.0/3

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

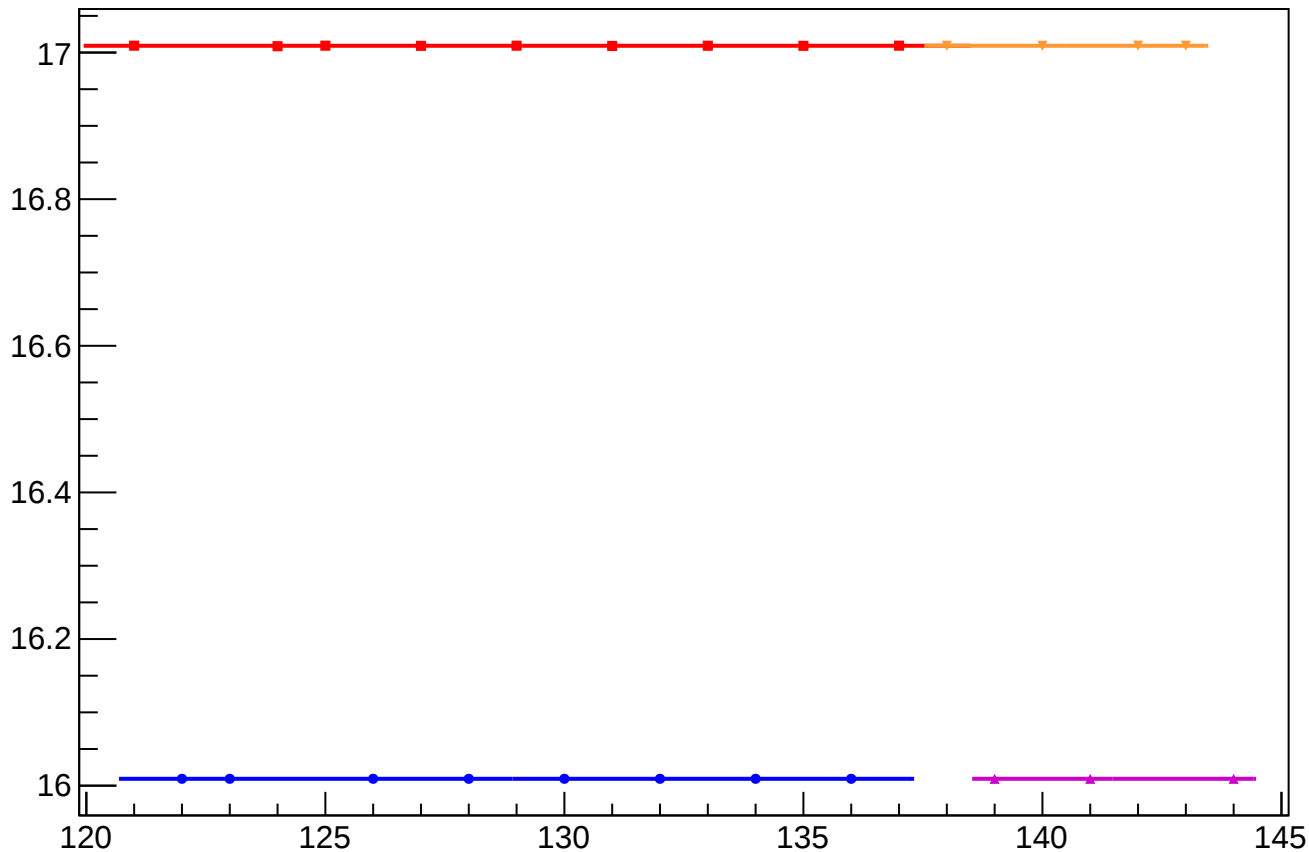
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/2

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/11

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/11

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 27843.6/7

Left Out: 17.009 $\pm$ 0.000

Right Out: 17.009 $\pm$ 0.000

Left In: 16.009 $\pm$ 0.000

χ^2/NDF : 1005683723064227636707328.0/3

χ^2/NDF : 8315422616570068268482560.0/8

χ^2/NDF : 11814.0/2

χ^2/NDF : 11814.0/2

+ sign 16.440 $\pm$ 0.000

χ^2/NDF : 1348407588038090

All: 16.505 $\pm$ 0.000

χ^2/NDF : 2711604546345

- sign 16.572 $\pm$ 0.000

χ^2/NDF : 1316168097790279

χ^2/NDF : 1348407588038090

χ^2/NDF : 2711604546345

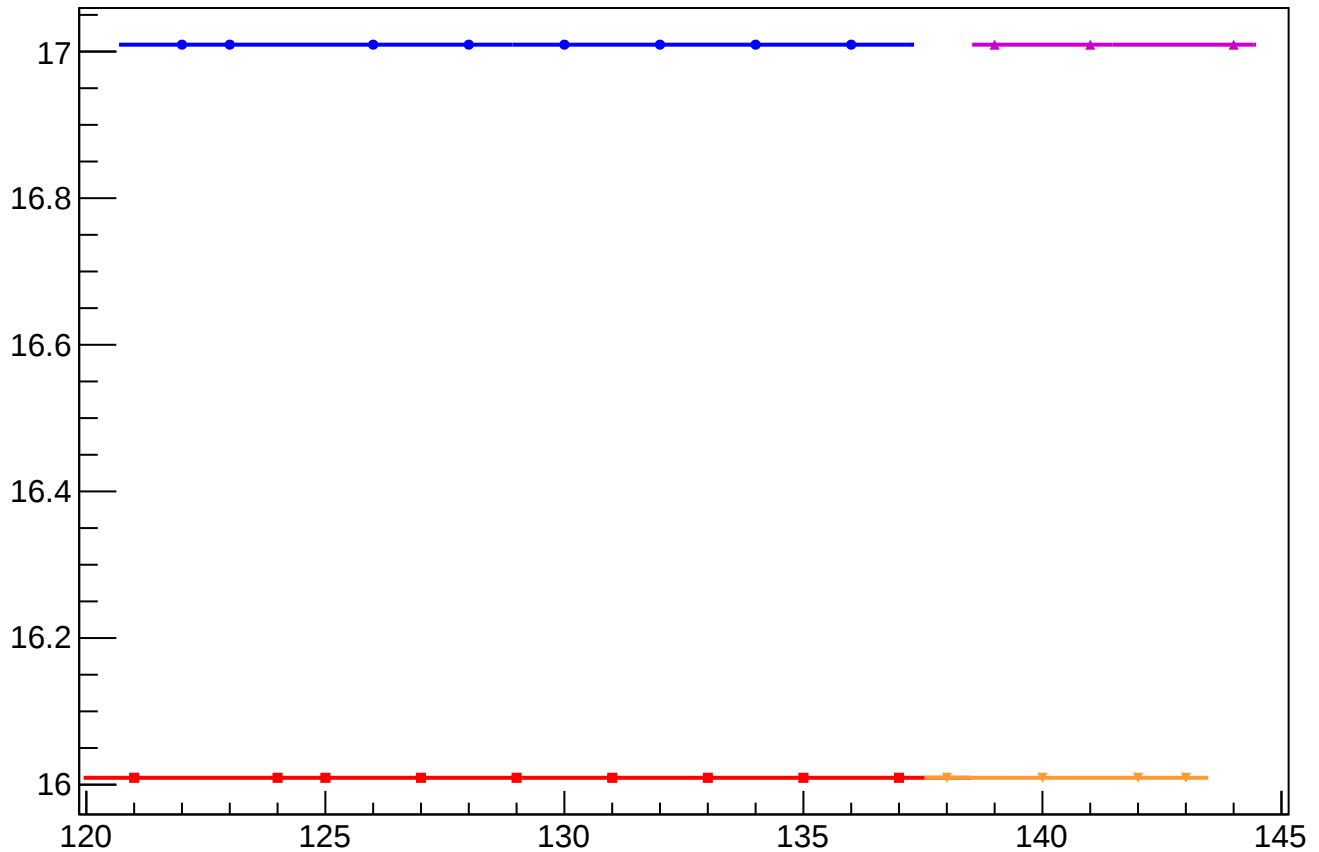
χ^2/NDF : 2711604546345

χ^2/NDF : 1316168097790279

χ^2/NDF : 1316168097790279

χ^2/NDF : 1316168097790279

IGL1I00OD16_16_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2/NDF : 82003.7/7

Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 10198.4/3

Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 18844.3/8

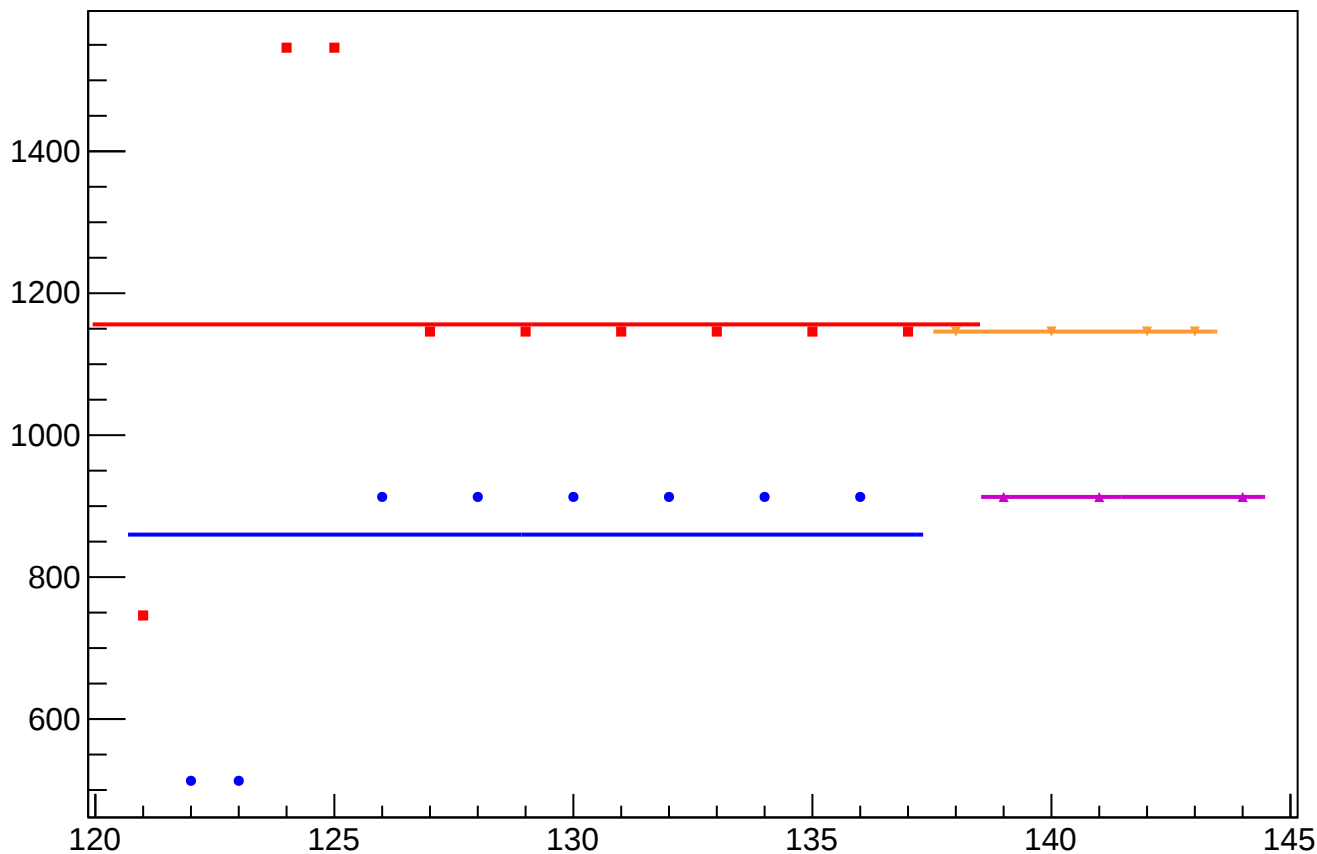
Left In: 17.009 $\pm$ 0.000 χ^2/NDF : 3130.2/2

+ sign 16.563 $\pm$ 0.000 χ^2/NDF : 1512205882352903

All: 16.508 $\pm$ 0.000 χ^2/NDF : 2942480883602

- sign 16.448 $\pm$ 0.000 χ^2/NDF : 1391433628318459

RTPAPOSUCNT_mean vs Slug



Right In: 859.895+/-0.000 χ^2/NDF : 6244310211396691746388505873258381312.0/7

Left Out: 1146.012+/-0.000 χ^2/NDF : 1102801225803840793096486912.0/3

Right Out: 1156.104+/-0.000 χ^2/NDF : 13728364455898441296418095102599102464.0/8

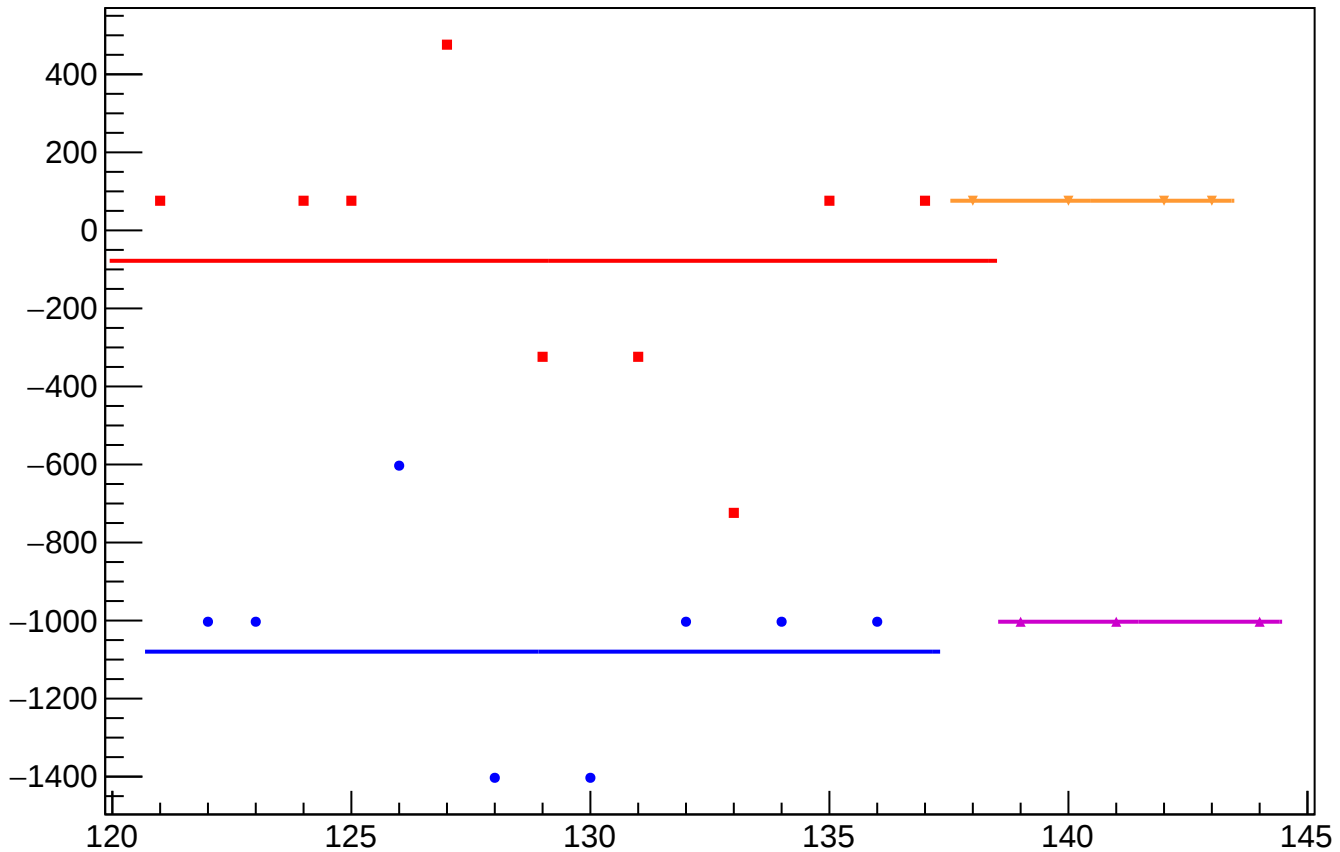
Left In: 912.995+/-0.000 χ^2/NDF : 7607693973830214214970507264.0/2

All: 1017.225+/-0.000 χ^2/NDF : 41700228303

+ sign 987.526+/-0.000 χ^2/NDF : 186236609361302

- sign 1049.394+/-0.000 χ^2/NDF : 21952049032138

RTPAPOSVCNT_mean vs Slug



Right In: -1079.685+/-0.000 χ^2/NDF : 21205581541739378673536668219320827904.0/7

Left Out: 76.012+/-0.000 χ^2/NDF : 2062657534242700878183137280.0/3

Right Out: -77.935+/-0.000 χ^2/NDF : 39527049815762816873616890415412150272.0/8

Left In: -1002.989+/-0.000 χ^2/NDF : 478392567943151216257662976.0/2