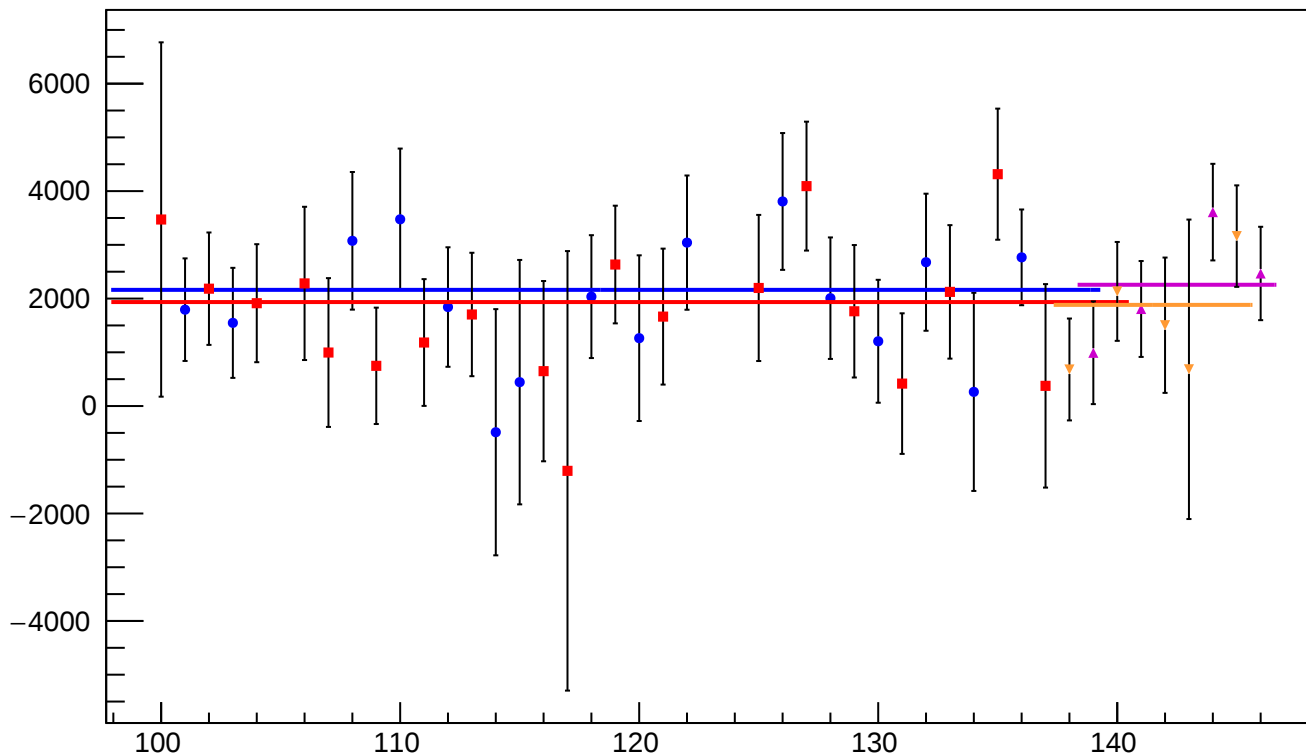


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1882.714+/-489.481

χ^2/NDF : 3.8/4

Right Out: 1935.183+/-299.773

χ^2/NDF : 13.2/18

Left In: 2257.069+/-451.165

χ^2/NDF : 4.3/3

2083.261+/-260.268

χ^2/NDF : 13.0/20

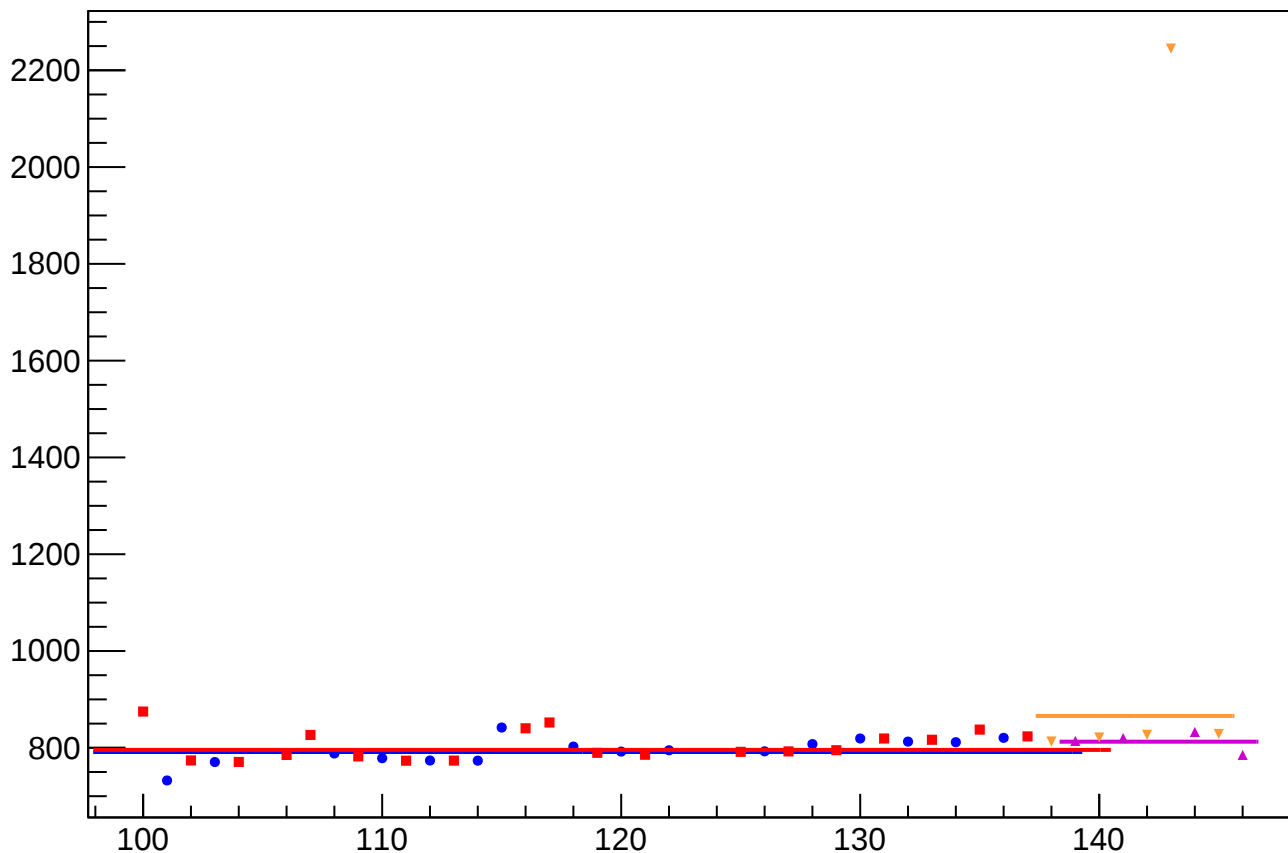
2057.487+/-180.178

χ^2/NDF : 30.9/43

2033.767+/-249.682

χ^2/NDF : 17.9/22

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 865.835+/-0.346 χ^2/NDF :505591.6/4

Right Out: 795.650+/-0.212 χ^2/NDF : 11945.4/18

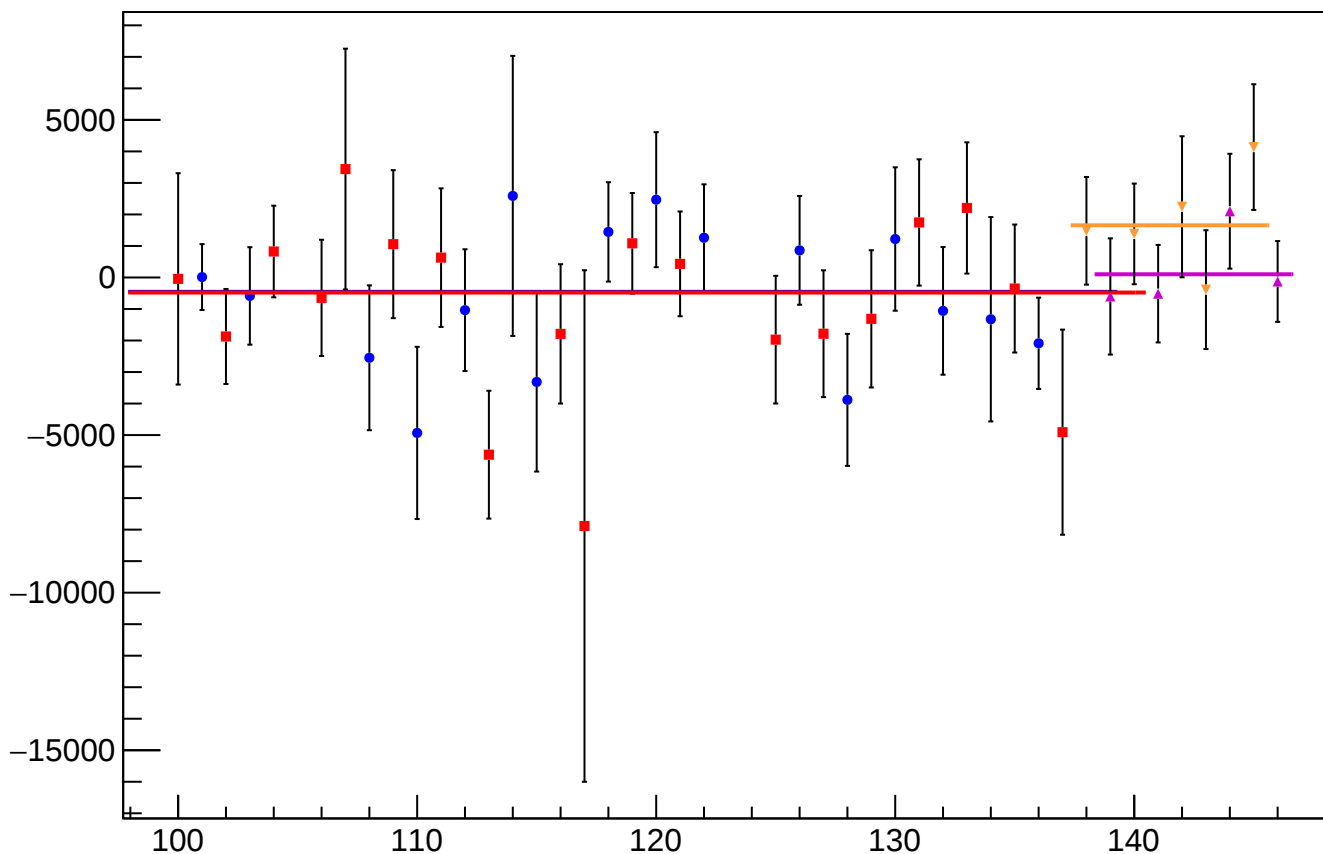
Left In: 812.631+/-0.319 χ^2/NDF :3131.6/3

812.438+/-0.184 χ^2/NDF : 553782.4/20

806.404+/-0.127 χ^2/NDF : 572888.9/43

800.851+/-0.177 χ^2/NDF : 17042.3/22

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: -455.675 ± 464.232 $\chi^2/\text{NDF}: 14.9/15$

Left Out: 1655.610 ± 825.539 $\chi^2/\text{NDF}: 2.8/4$

Right Out: -477.782 ± 471.960 $\chi^2/\text{NDF}: 18.2/18$

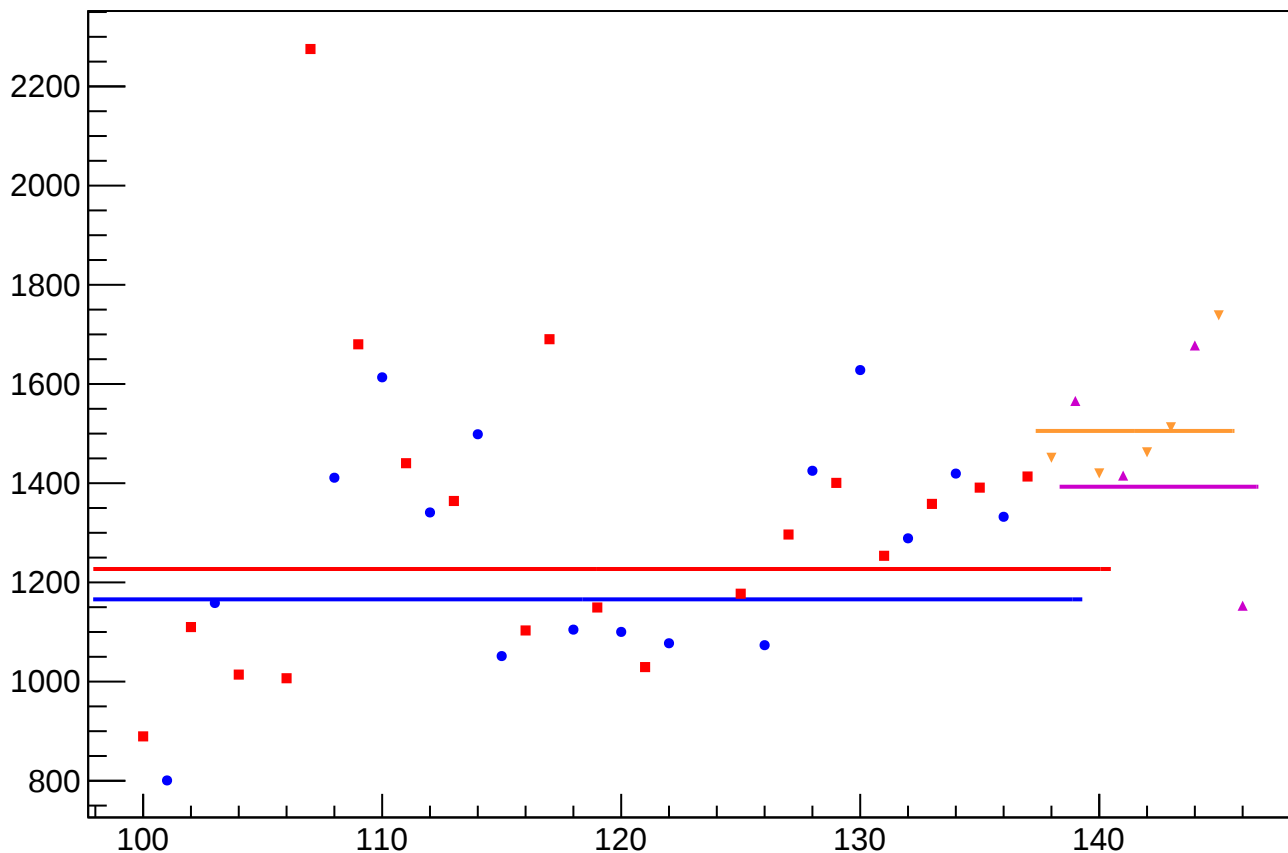
Left In: 101.544 ± 785.273 $\chi^2/\text{NDF}: 1.5/3$

51.562 ± 404.641 $\chi^2/\text{NDF}: 22.7/20$

-136.299 ± 286.082 $\chi^2/\text{NDF}: 43.2/43$

-324.050 ± 404.521 $\chi^2/\text{NDF}: 20.1/22$

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1505.379 $\pm$ 0.584 χ^2 /NDF: 35848.3/4

Right Out: 1227.021 $\pm$ 0.334 χ^2 /NDF: 446961.2/18

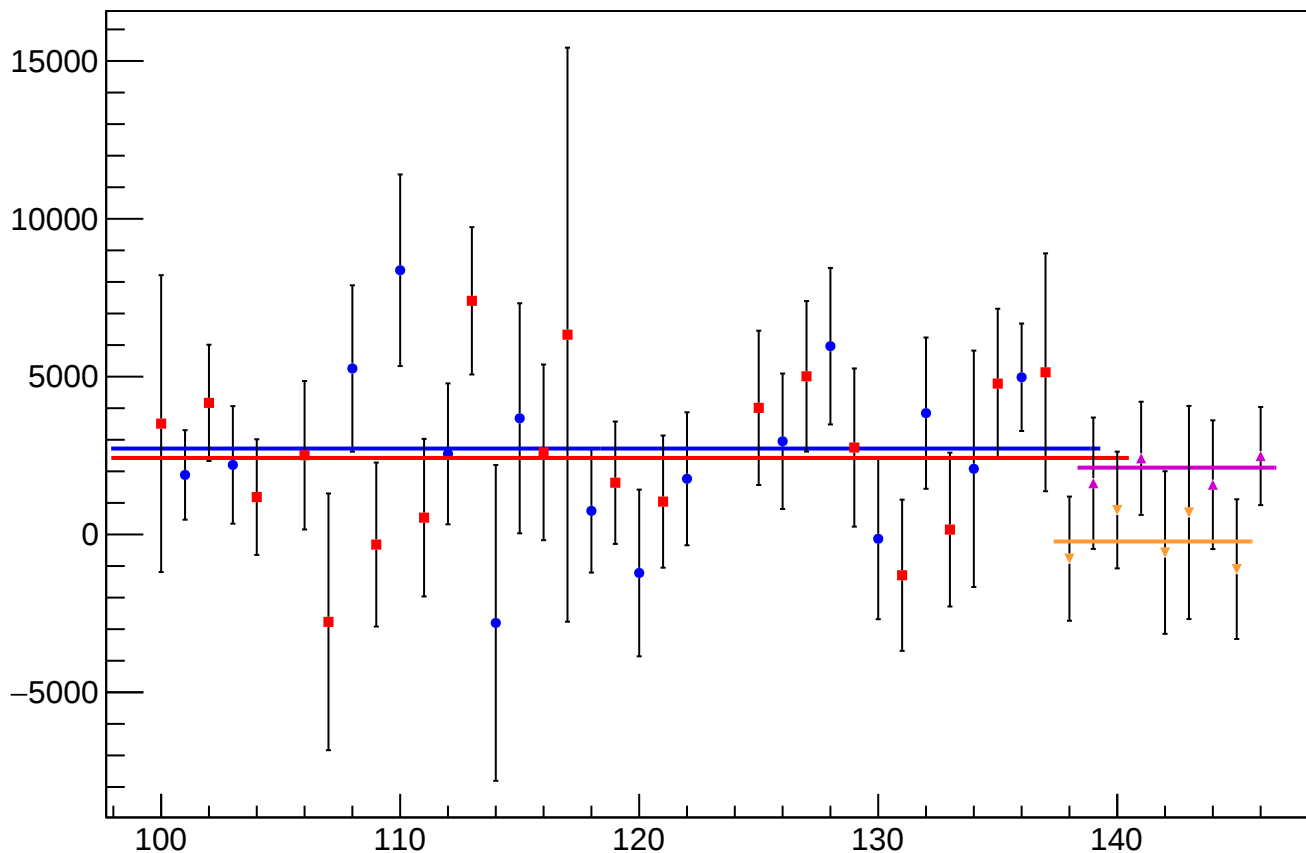
Left In: 1392.898 $\pm$ 0.555 χ^2 /NDF: 136971.9/3

1247.393 $\pm$ 0.286 χ^2 /NDF: 819733.4/20

1259.219 $\pm$ 0.202 χ^2 /NDF: 1472641.9/43

1271.038 $\pm$ 0.286 χ^2 /NDF: 649492.7/22

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: -221.999 $\pm$ 1003.181 χ^2/NDF : 0.6/4

Right Out: 2423.739 $\pm$ 567.866 χ^2/NDF : 16.5/18

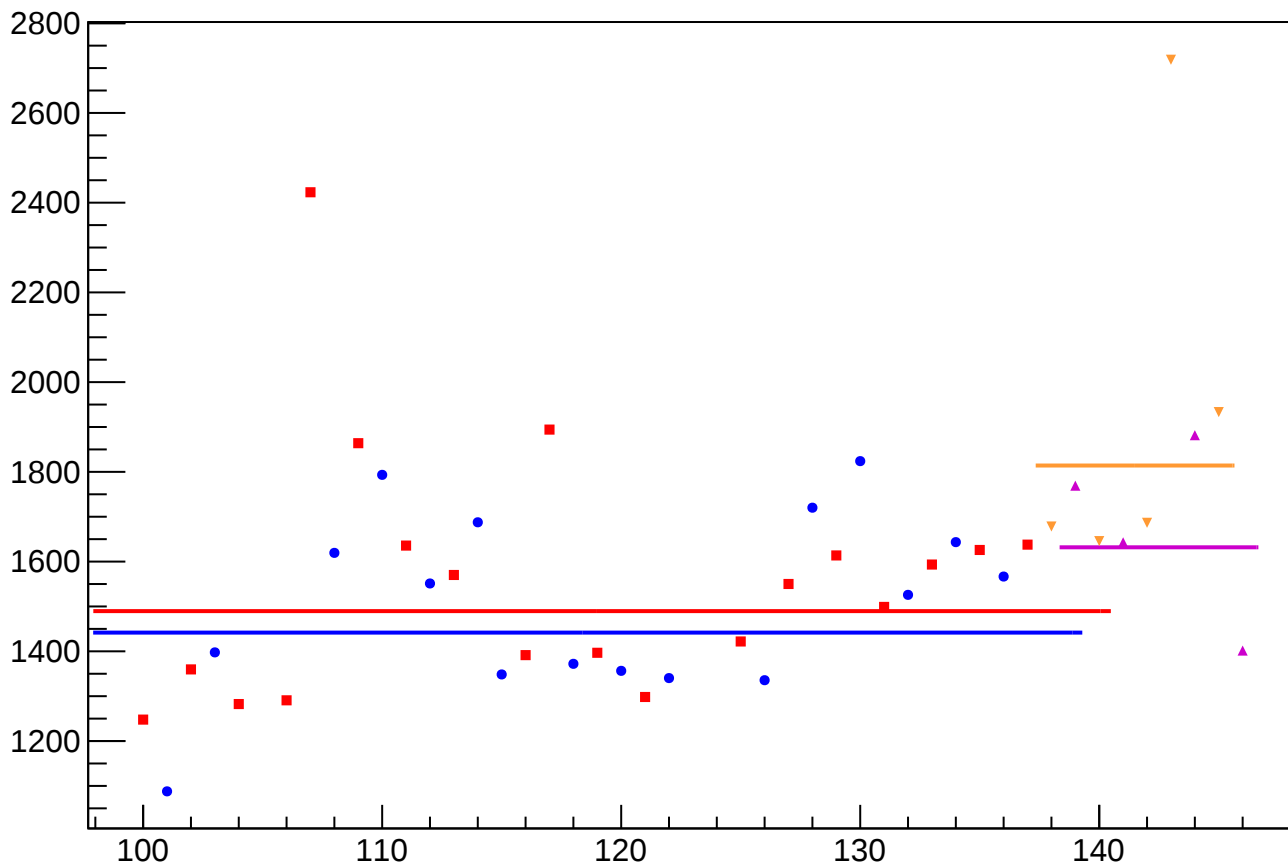
Left In: 2117.055 $\pm$ 914.211 χ^2/NDF : 0.2/3

2009.168 $\pm$ 493.714 χ^2/NDF : 21.7/20

2177.583 $\pm$ 345.032 χ^2/NDF : 38.7/43

2338.354 $\pm$ 482.381 χ^2/NDF : 16.8/22

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1441.720 $\pm$ 0.401 χ^2/NDF : 275902.8/15

Left Out: 1814.127 $\pm$ 0.709 χ^2/NDF : 180418.8/4

Right Out: 1489.610 $\pm$ 0.402 χ^2/NDF : 260116.0/18

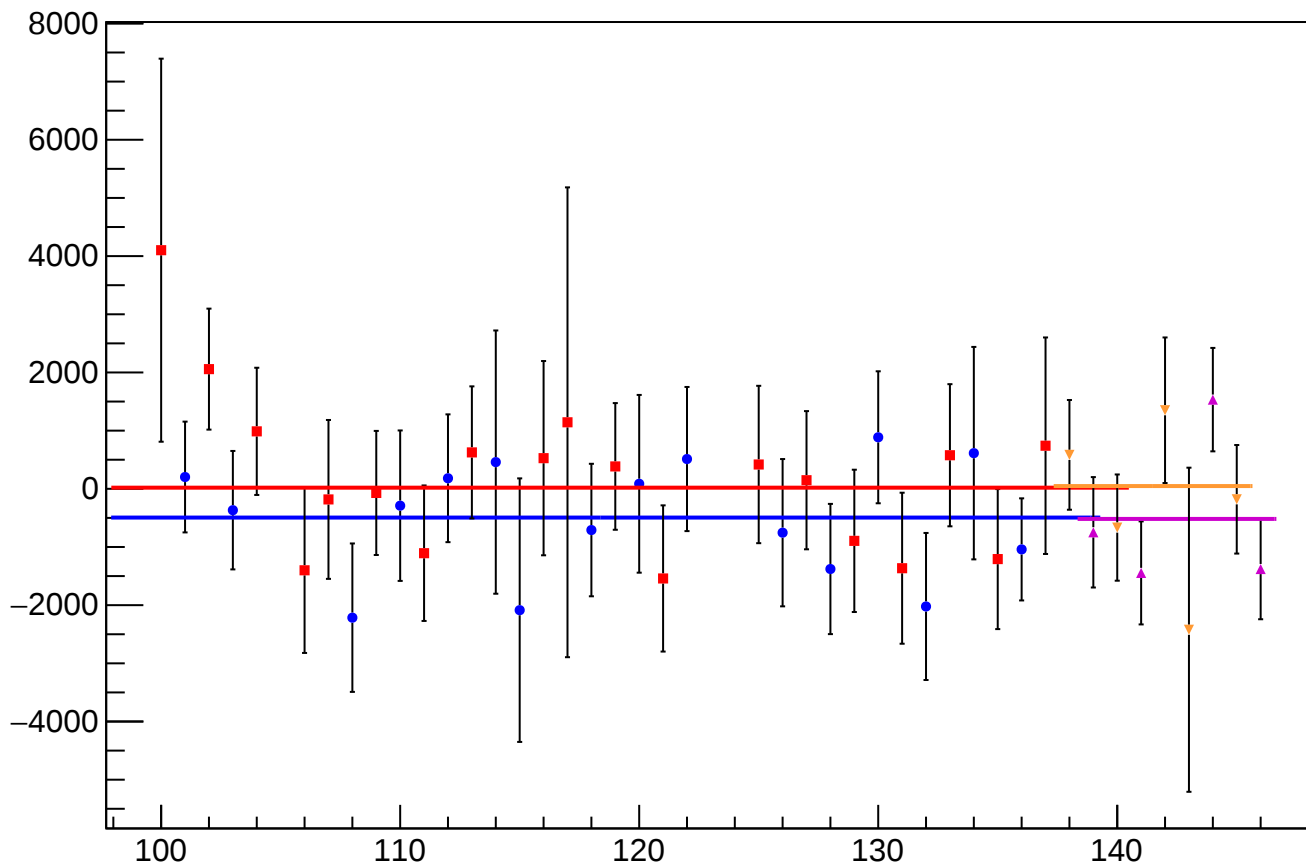
Left In: 1631.838 $\pm$ 0.646 χ^2/NDF : 82680.3/3

1531.921 $\pm$ 0.349 χ^2/NDF : 665181.5/20

1530.533 $\pm$ 0.244 χ^2/NDF : 1042938.7/43

1529.208 $\pm$ 0.341 χ^2/NDF : 377726.2/22

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 47.265+/-485.634 χ^2/NDF : 2.9/4

Right Out: 19.622+/-296.930 χ^2/NDF : 13.4/18

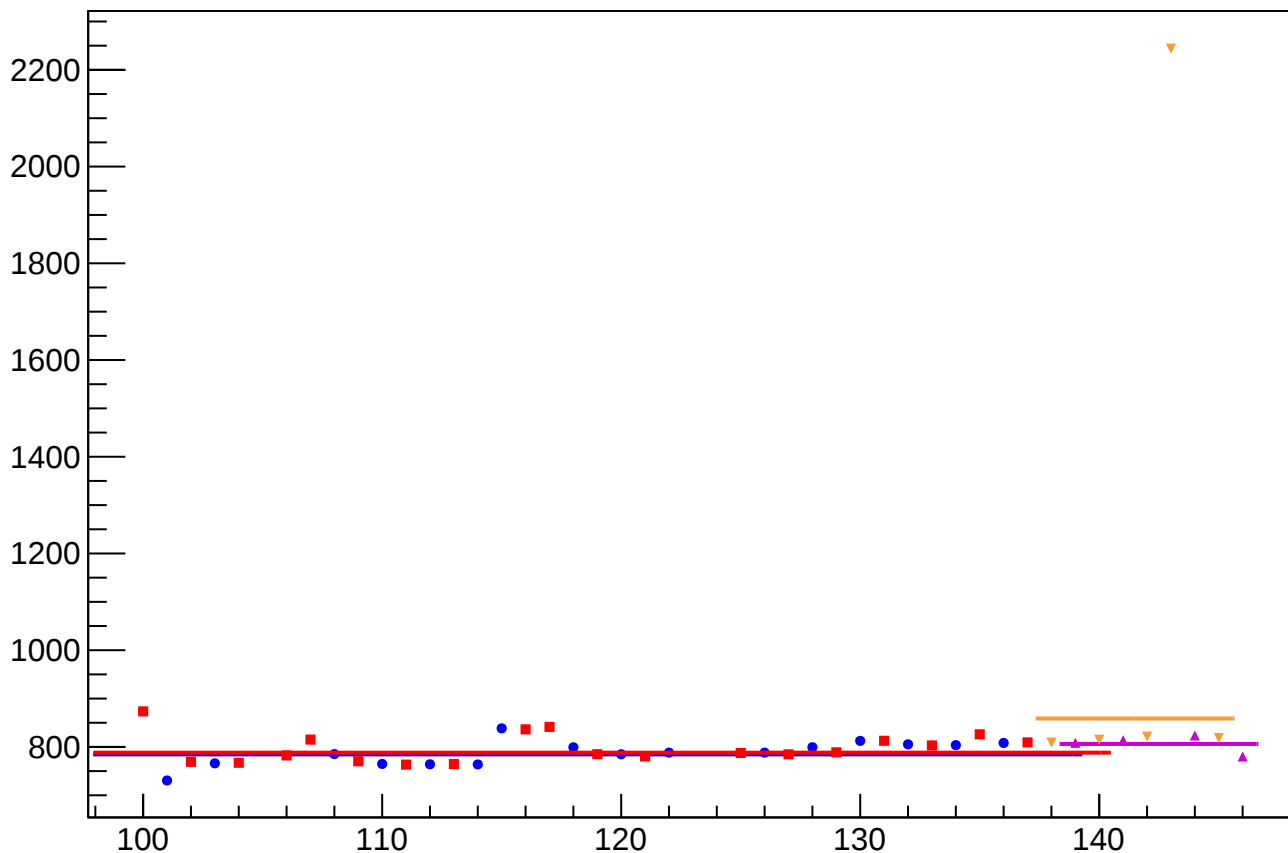
Left In: -517.522+/-447.519 χ^2/NDF : 7.5/3

-341.311+/-258.069 χ^2/NDF : 12.4/20

-238.796+/-178.599 χ^2/NDF : 34.6/43

-144.566+/-247.422 χ^2/NDF : 21.9/22

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 784.558 $\pm$ 0.215 χ^2 /NDF: 13677.7/15

Left Out: 858.750 $\pm$ 0.343 χ^2 /NDF: 510168.8/4

Right Out: 788.134 $\pm$ 0.210 χ^2 /NDF: 11259.7/18

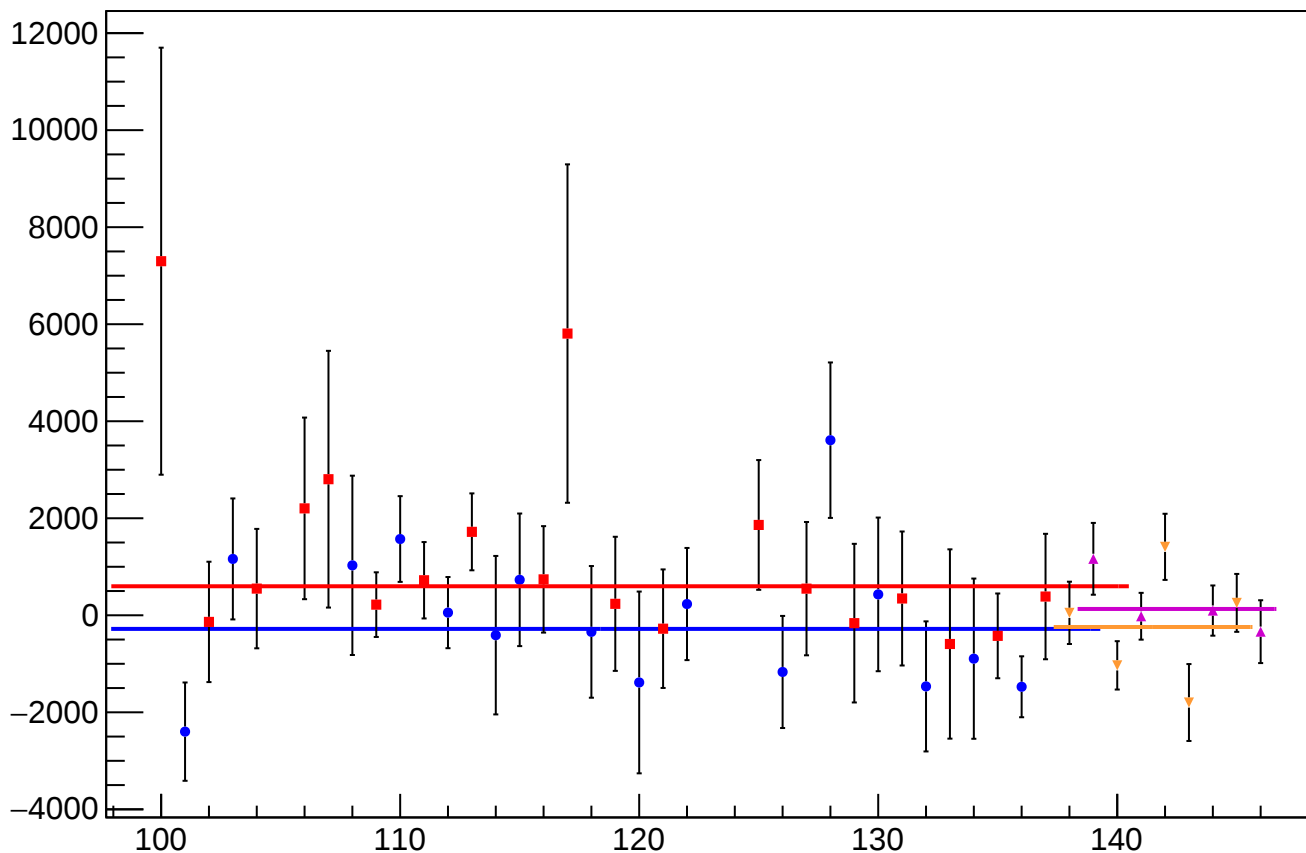
Left In: 806.124 $\pm$ 0.316 χ^2 /NDF: 2743.9/3

805.509 $\pm$ 0.182 χ^2 /NDF: 557344.6/20

799.321 $\pm$ 0.126 χ^2 /NDF: 575799.3/43

793.633 $\pm$ 0.175 χ^2 /NDF: 16247.7/22

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -280.632 $\pm$ 282.501 χ^2 /NDF: 23.1/15

Left Out: -241.532 $\pm$ 277.352 χ^2 /NDF:13.1/4

Right Out: 598.108 $\pm$ 272.052 χ^2 /NDF: 12.2/18

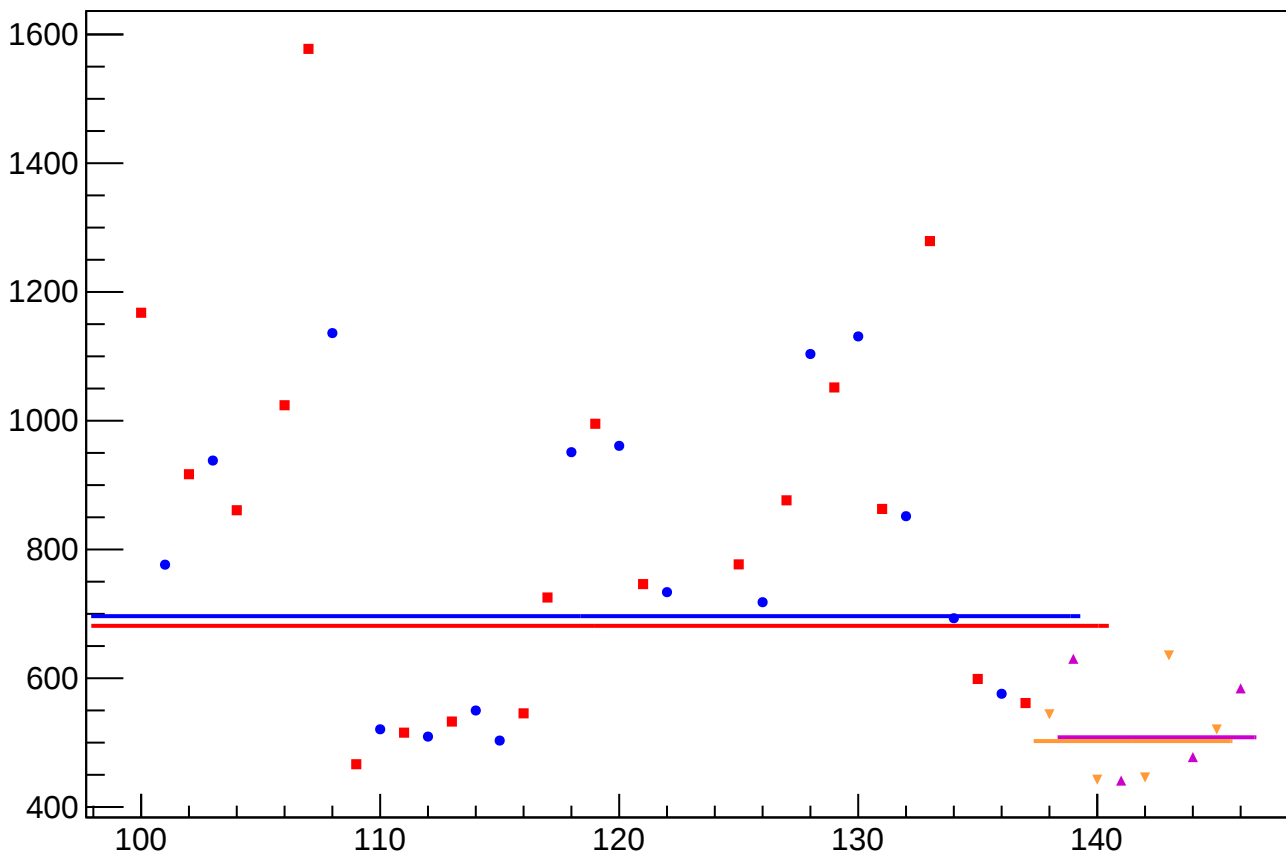
Left In: 130.383 $\pm$ 285.792 χ^2 /NDF:2.6/3

-260.722 $\pm$ 197.913 χ^2 /NDF: 36.3/20

58.912 $\pm$ 139.639 χ^2 /NDF: 57.7/43

375.759 $\pm$ 197.048 χ^2 /NDF: 16.2/22

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 696.462 $\pm$ 0.200 χ^2/NDF : 959490.0/15

Left Out: 502.409 $\pm$ 0.196 χ^2/NDF : 109218.2/4

Right Out: 681.396 $\pm$ 0.192 χ^2/NDF : 1352876.1/18

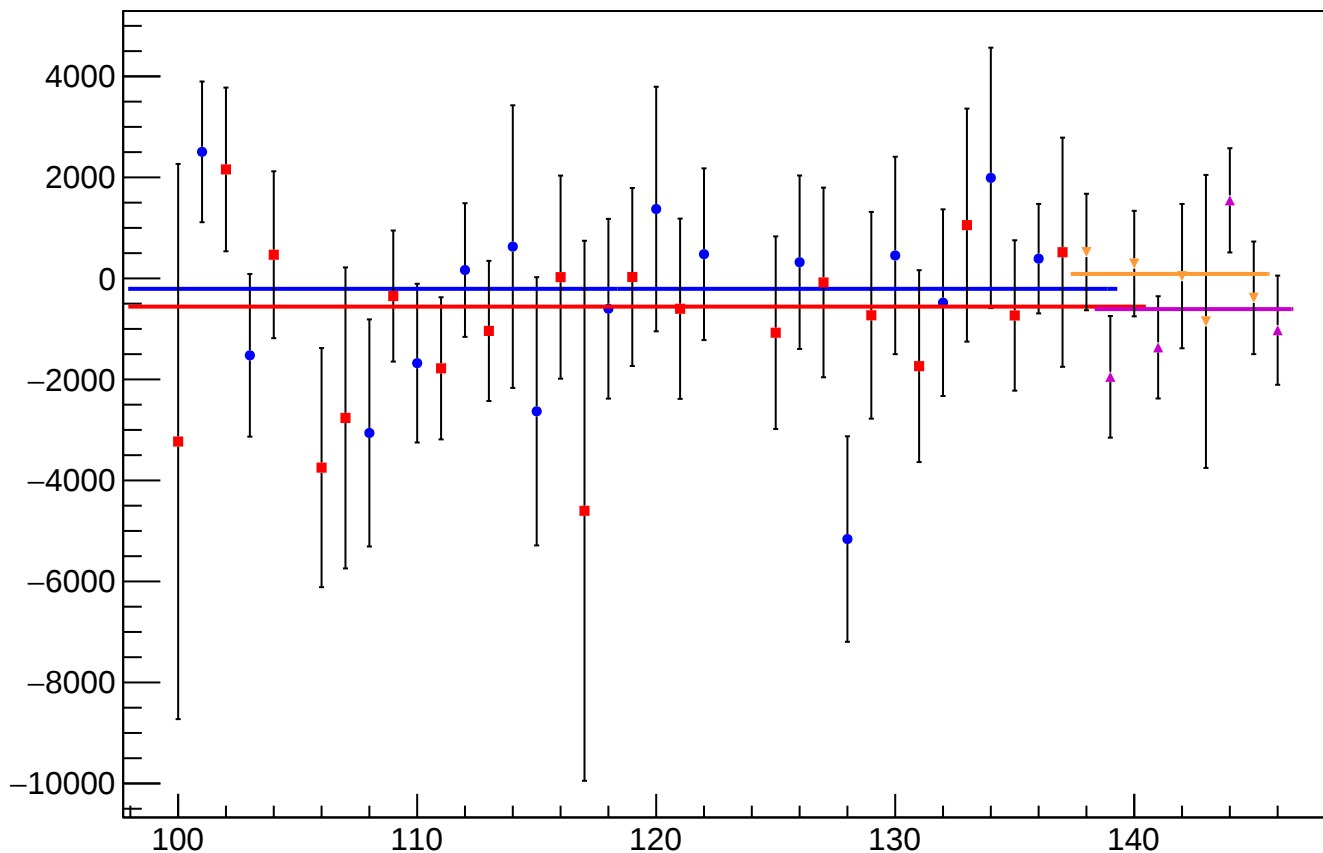
Left In: 508.276 $\pm$ 0.202 χ^2/NDF : 127779.9/3

597.651 $\pm$ 0.140 χ^2/NDF : 1549233.2/20

598.377 $\pm$ 0.099 χ^2/NDF : 3414947.0/43

599.098 $\pm$ 0.139 χ^2/NDF : 1865660.2/22

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -206.385+/-433.774 χ^2/NDF : 15.8/15

Left Out: 88.576+/-569.612 χ^2/NDF : 0.5/4

Right Out: -558.638+/-425.771 χ^2/NDF : 8.7/18

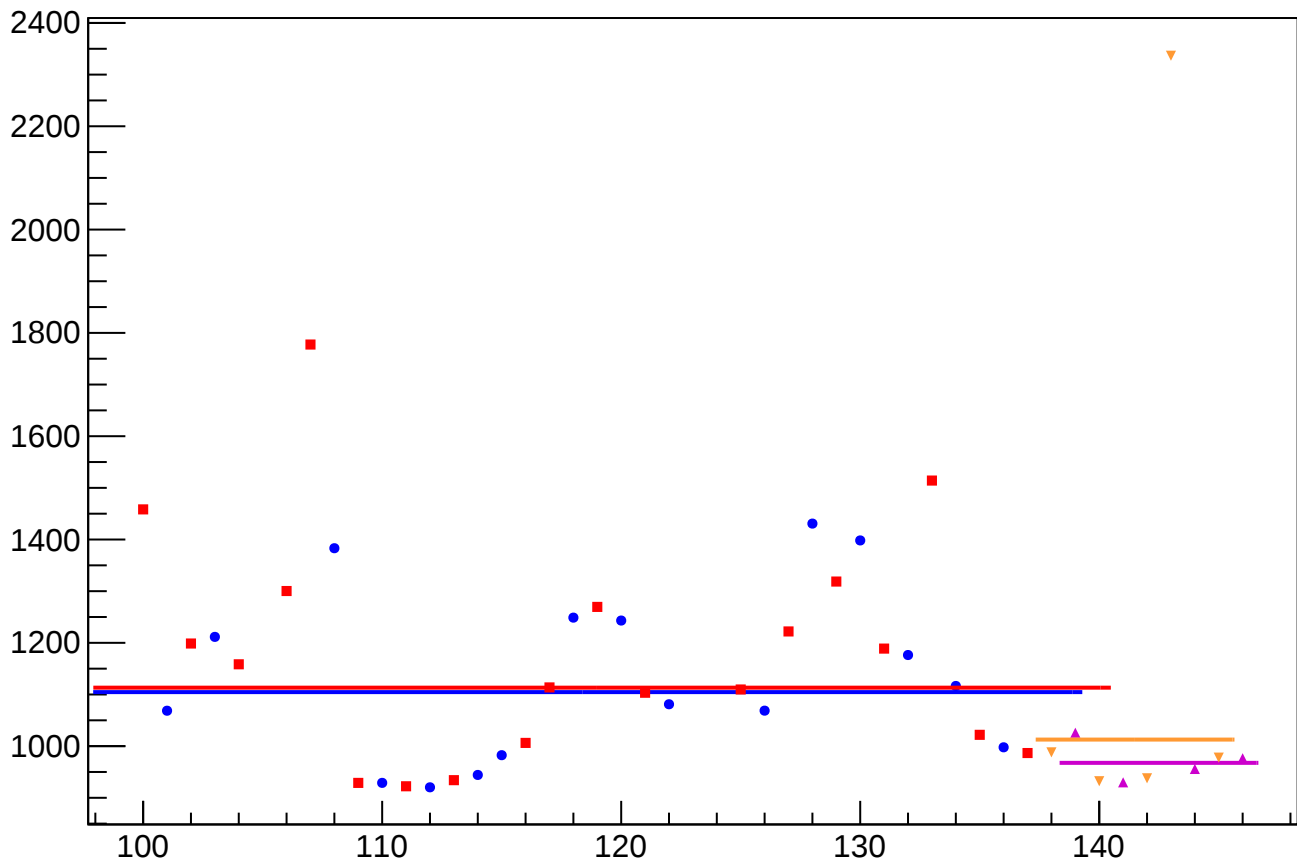
Left In: -607.465+/-537.521 χ^2/NDF : 6.3/3

-98.117+/-345.101 χ^2/NDF : 16.4/20

-345.800+/-239.911 χ^2/NDF : 32.4/43

-577.462+/-333.754 χ^2/NDF : 15.0/22

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 1012.714+/-0.403 χ^2/NDF : 436890.9/4

Right Out: 1113.218+/-0.301 χ^2/NDF : 362982.2/18

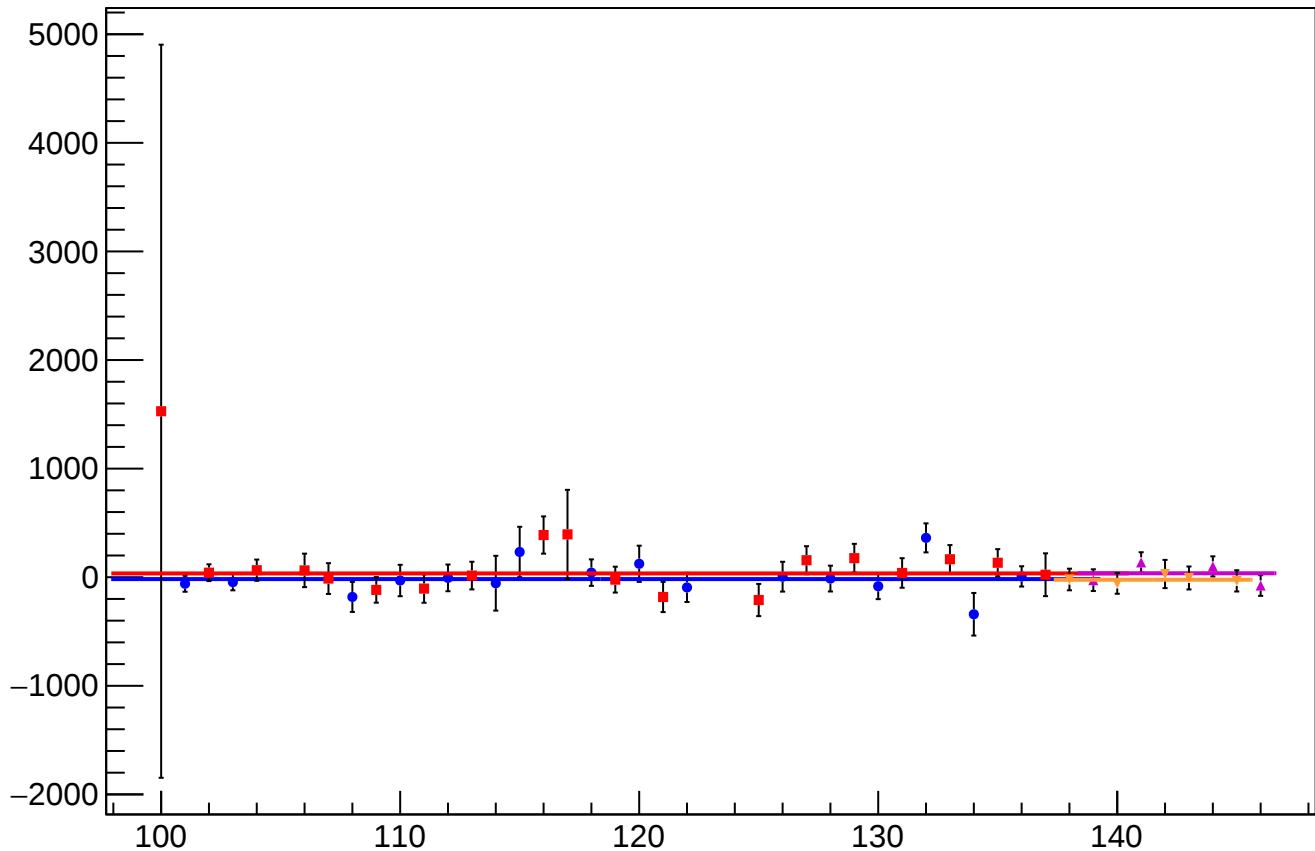
Left In: 967.650+/-0.380 χ^2/NDF : 7871.5/3

1070.870+/-0.244 χ^2/NDF : 725317.3/20

1063.753+/-0.170 χ^2/NDF : 1187948.0/43

1057.097+/-0.236 χ^2/NDF : 460984.5/22

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: -23.142 ± 46.439 χ^2/NDF : 0.3/4

Right Out: 34.875 ± 30.363 χ^2/NDF : 17.3/18

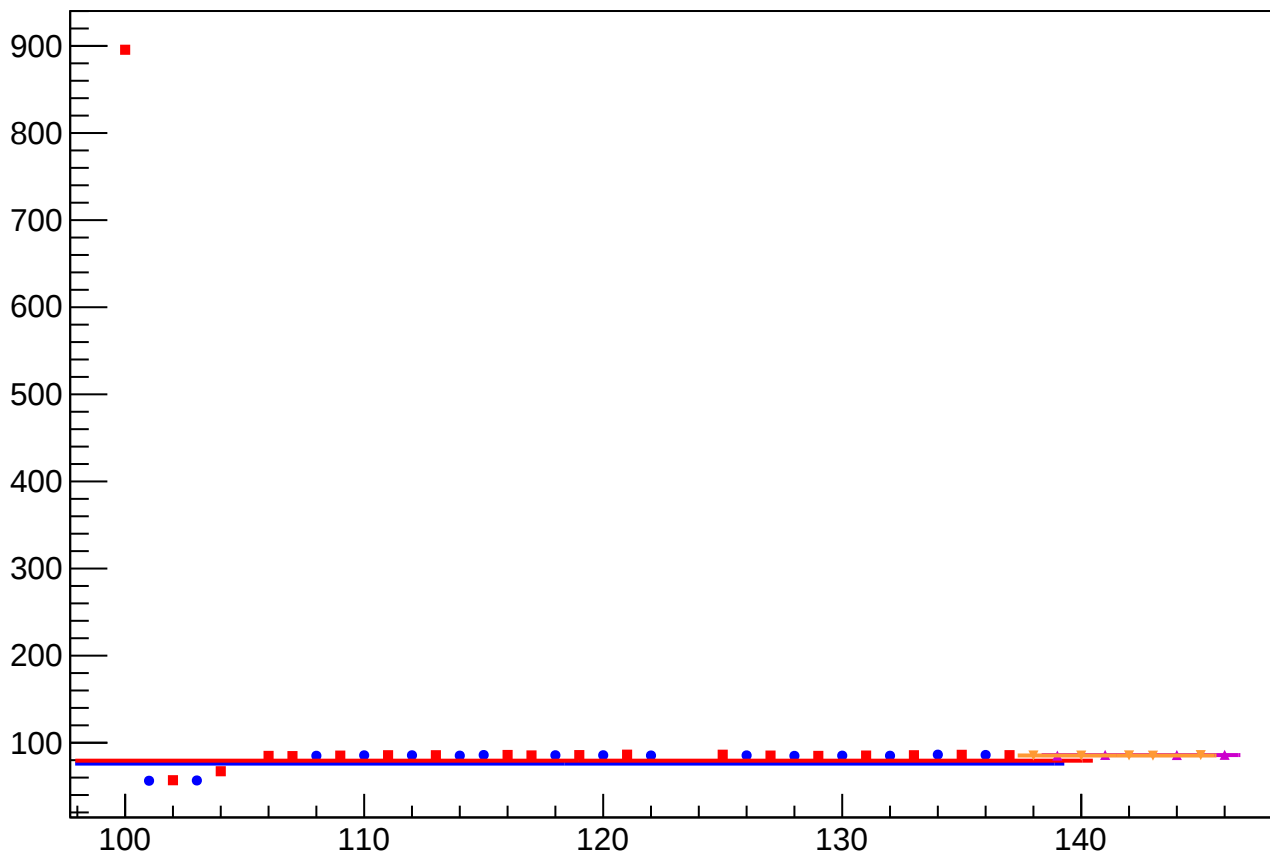
Left In: 36.432 ± 47.660 χ^2/NDF : 3.4/3

-18.974 ± 25.192 χ^2/NDF : 15.9/20

7.731 ± 17.959 χ^2/NDF : 38.9/43

35.324 ± 25.608 χ^2/NDF : 20.7/22

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.403 $\pm$ 0.033 χ^2 /NDF: 47.1/4

Right Out: 79.423 $\pm$ 0.021 χ^2 /NDF: 378959.4/18

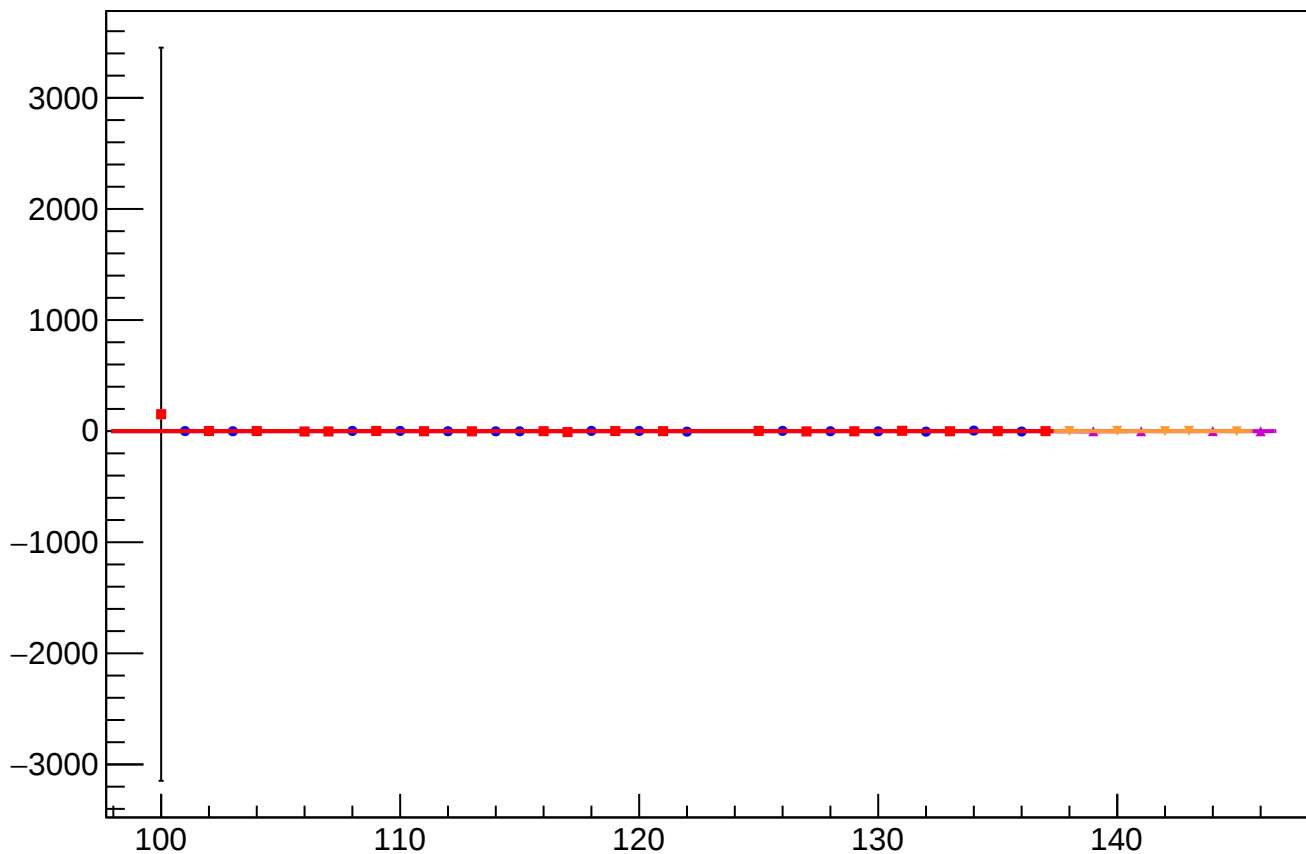
Left In: 85.866 $\pm$ 0.034 χ^2 /NDF: 96.2/3

78.823 $\pm$ 0.018 χ^2 /NDF: 466110.7/20

80.033 $\pm$ 0.013 χ^2 /NDF: 880541.6/43

81.283 $\pm$ 0.018 χ^2 /NDF: 405051.2/22

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.498 ± 0.820 χ^2/NDF : 4.9/4

Right Out: 0.051 ± 0.520 χ^2/NDF : 9.8/18

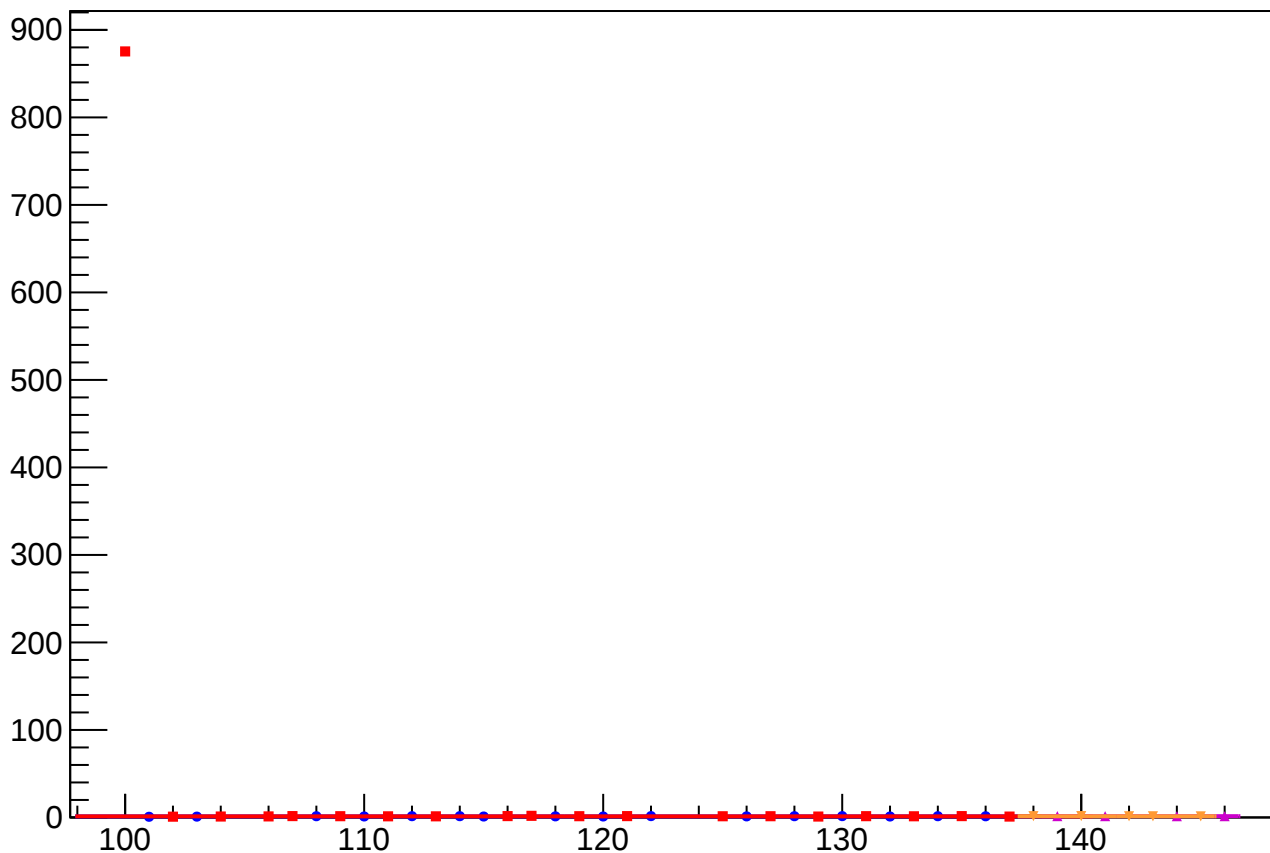
Left In: 0.031 ± 0.872 χ^2/NDF : 0.6/3

-0.069 ± 0.428 χ^2/NDF : 26.7/20

-0.014 ± 0.309 χ^2/NDF : 37.1/43

0.046 ± 0.446 χ^2/NDF : 10.4/22

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.386 $\pm$ 0.001 χ^2 /NDF: 38336.4/4

Right Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 526097.8/18

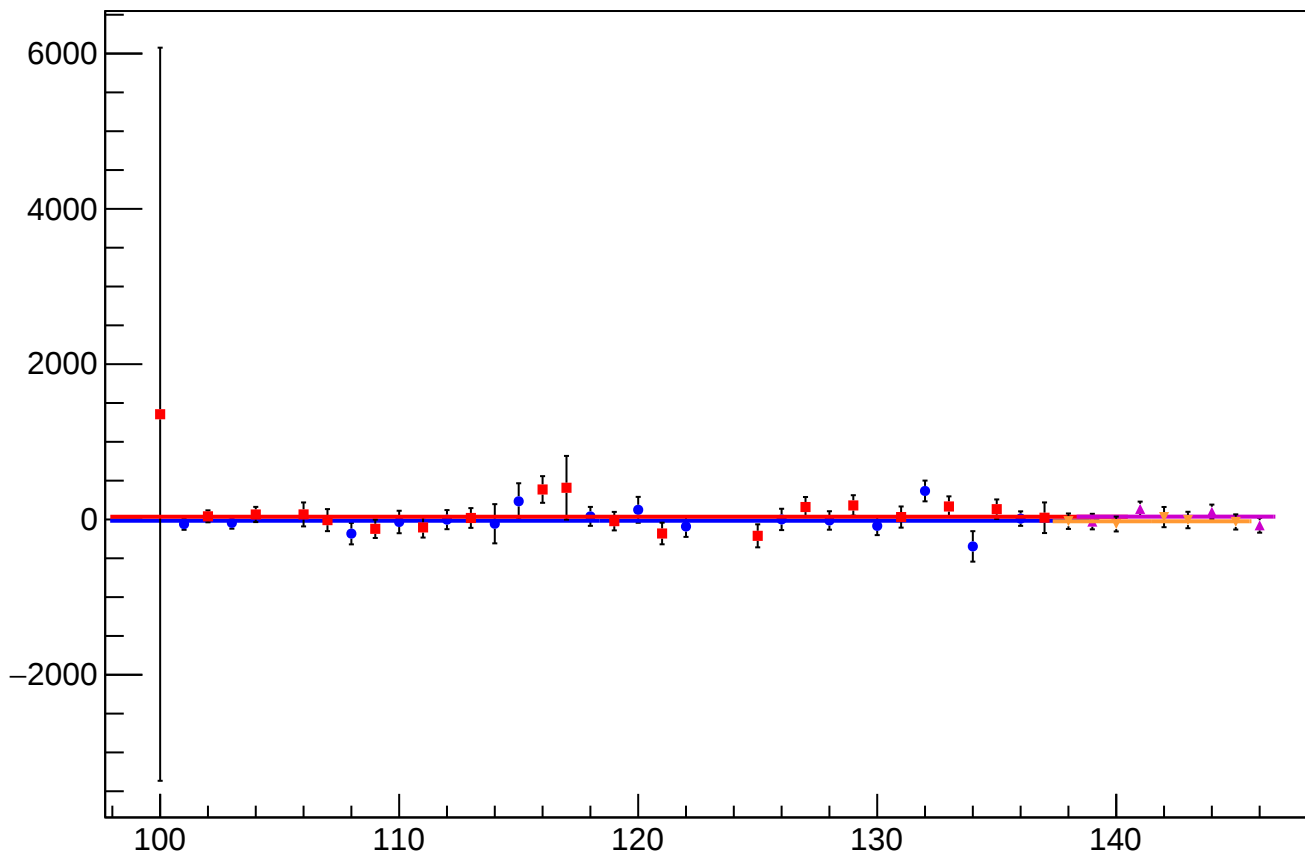
Left In: 1.472 $\pm$ 0.001 χ^2 /NDF: 2550.9/3

1.216 $\pm$ 0.000 χ^2 /NDF: 670786.5/20

1.260 $\pm$ 0.000 χ^2 /NDF: 1339313.2/43

1.307 $\pm$ 0.000 χ^2 /NDF: 624688.3/22

asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -16.311 ± 29.996 $\chi^2/\text{NDF}: 15.9/15$

Left Out: -23.283 ± 46.451 $\chi^2/\text{NDF}: 0.3/4$

Right Out: 35.172 ± 30.371 $\chi^2/\text{NDF}: 17.4/18$

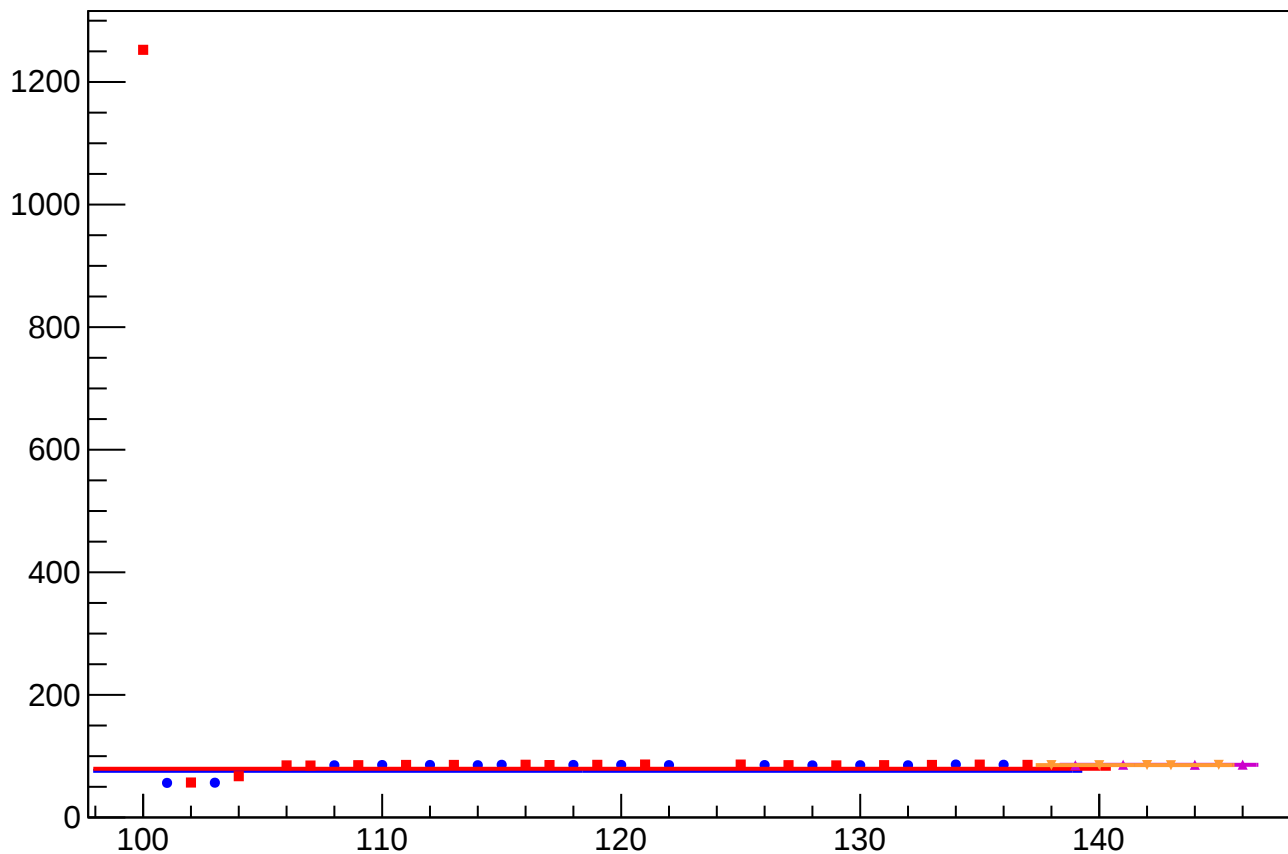
Left In: 36.544 ± 47.672 $\chi^2/\text{NDF}: 3.4/3$

-18.363 ± 25.199 $\chi^2/\text{NDF}: 16.2/20$

8.161 ± 17.963 $\chi^2/\text{NDF}: 39.2/43$

35.568 ± 25.615 $\chi^2/\text{NDF}: 20.7/22$

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.425 $\pm$ 0.033 χ^2/NDF : 47.3/4

Right Out: 79.426 $\pm$ 0.021 χ^2/NDF : 385484.8/18

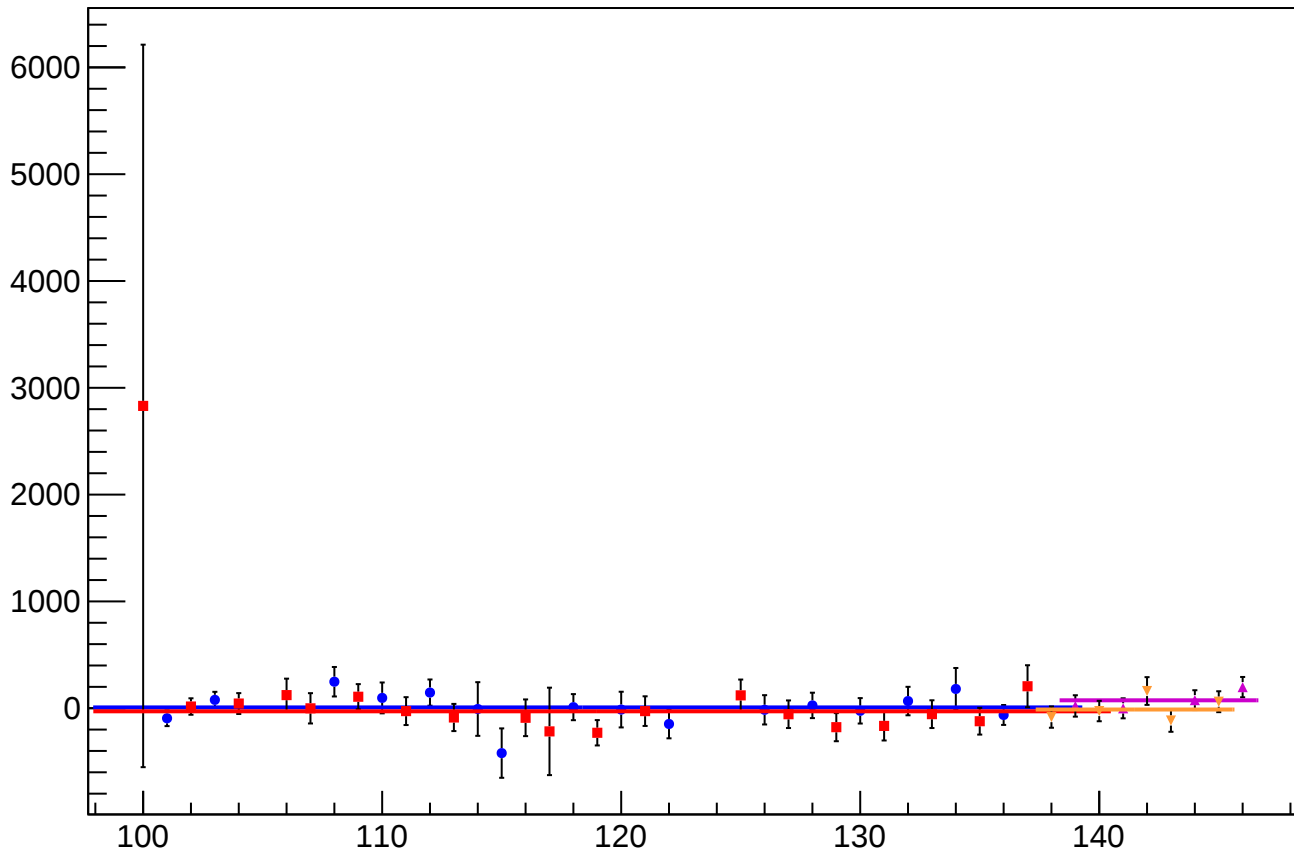
Left In: 85.888 $\pm$ 0.034 χ^2/NDF : 96.4/3

78.843 $\pm$ 0.018 χ^2/NDF : 466142.4/20

80.048 $\pm$ 0.013 χ^2/NDF : 887149.8/43

81.292 $\pm$ 0.018 χ^2/NDF : 411719.7/22

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: -12.139 ± 46.449 χ^2/NDF : 3.8/4

Right Out: -28.958 ± 30.344 χ^2/NDF : 12.7/18

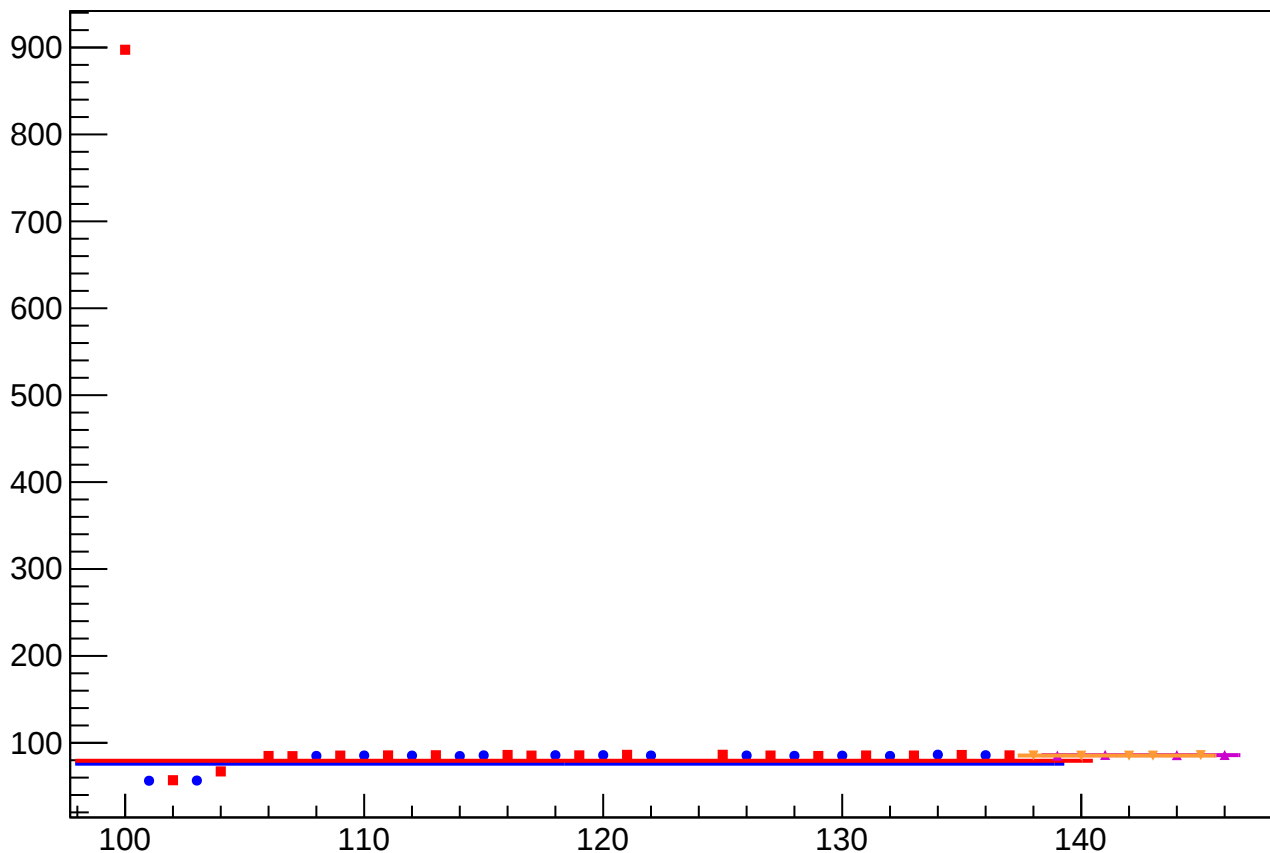
Left In: 74.057 ± 47.664 χ^2/NDF : 2.6/3

1.700 ± 25.182 χ^2/NDF : 17.9/20

1.233 ± 17.951 χ^2/NDF : 36.5/43

0.752 ± 25.597 χ^2/NDF : 18.6/22

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.423 $\pm$ 0.033 χ^2 /NDF: 52.5/4

Right Out: 79.375 $\pm$ 0.021 χ^2 /NDF: 378794.5/18

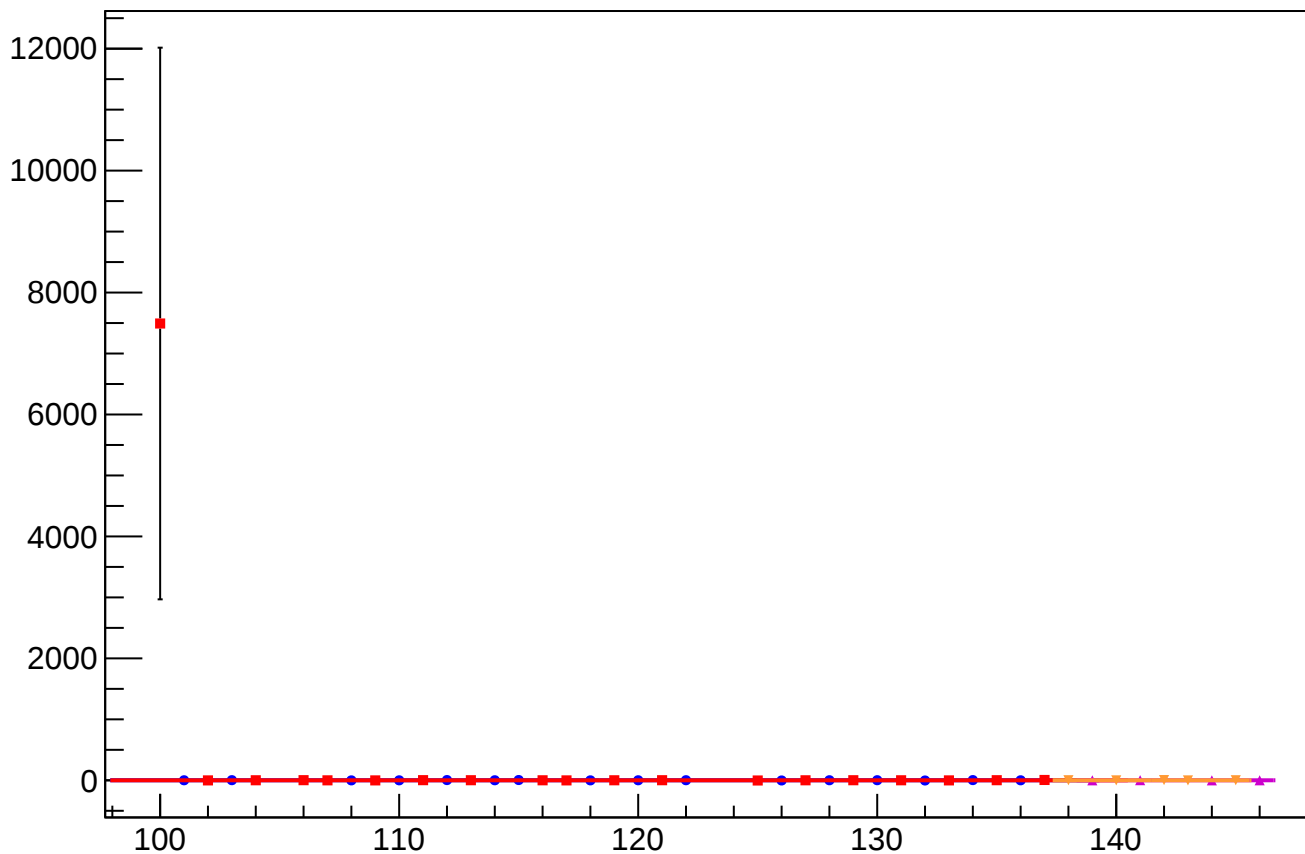
Left In: 85.873 $\pm$ 0.034 χ^2 /NDF: 82.4/3

78.792 $\pm$ 0.018 χ^2 /NDF: 466693.8/20

80.000 $\pm$ 0.013 χ^2 /NDF: 881391.1/43

81.249 $\pm$ 0.018 χ^2 /NDF: 405334.8/22

asym_ds_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.911 $\pm$ 0.532 χ^2 /NDF: 12.0/15

Left Out: 0.494 $\pm$ 0.845 χ^2 /NDF: 3.4/4

Right Out: 0.304 $\pm$ 0.547 χ^2 /NDF: 12.6/18

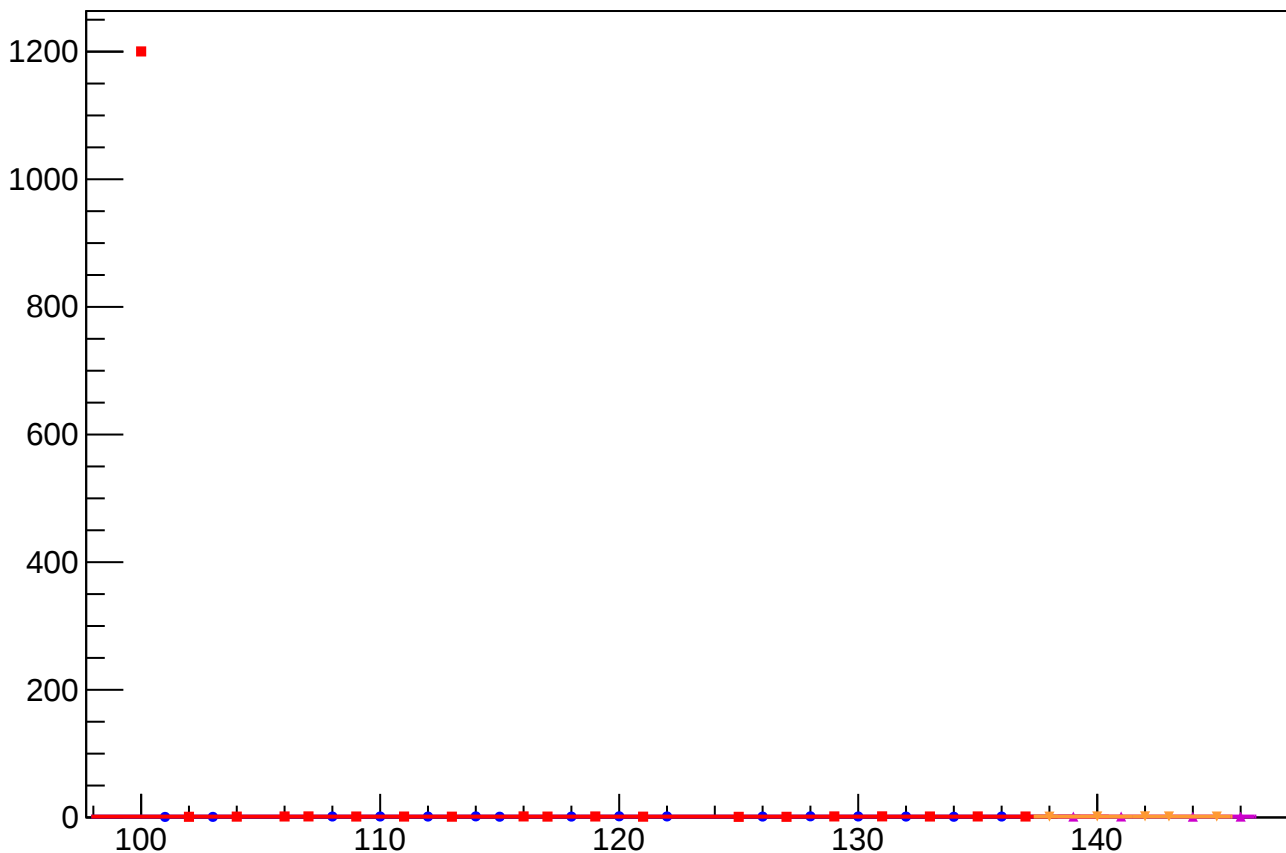
Left In: 0.451 $\pm$ 0.833 χ^2 /NDF: 1.6/3

0.792 $\pm$ 0.450 χ^2 /NDF: 15.5/20

0.574 $\pm$ 0.321 χ^2 /NDF: 30.3/43

0.348 $\pm$ 0.457 χ^2 /NDF: 14.3/22

asym_ds_dd_correction_rms vs Slug, Sign Corrected



Right In: 1.238+/-0.000 χ^2/NDF : 657848.9/15

Left Out: 1.451+/-0.001 χ^2/NDF : 58377.0/4

Right Out: 1.318+/-0.000 χ^2/NDF : 521623.7/18

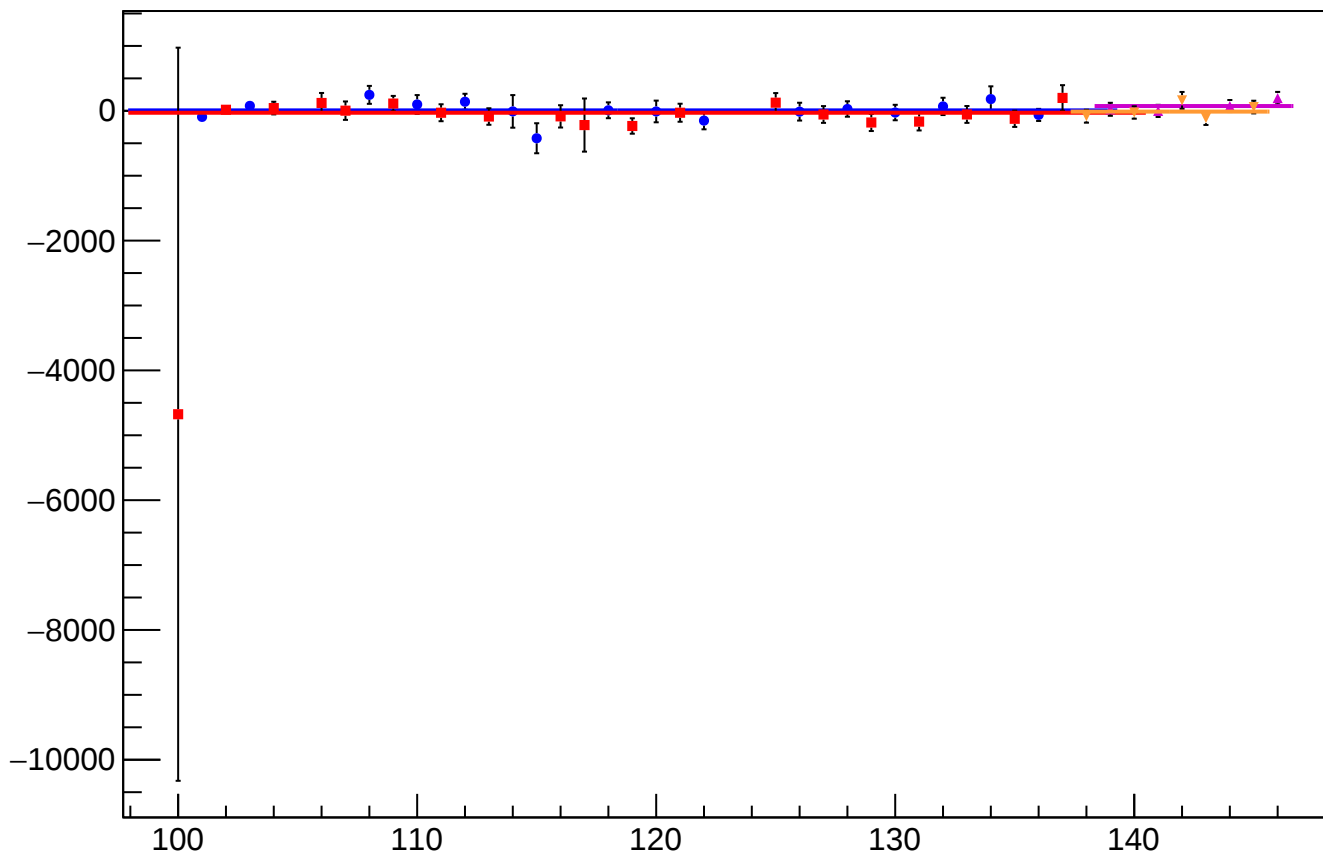
Left In: 1.373+/-0.001 χ^2/NDF : 32193.4/3

1.298+/-0.000 χ^2/NDF : 807098.0/20

1.316+/-0.000 χ^2/NDF : 1373266.7/43

1.334+/-0.000 χ^2/NDF : 559886.1/22

asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.781 ± 29.977 $\chi^2/\text{NDF}: 13.8/15$

Left Out: -12.066 ± 46.462 $\chi^2/\text{NDF}: 3.7/4$

Right Out: -29.600 ± 30.353 $\chi^2/\text{NDF}: 12.9/18$

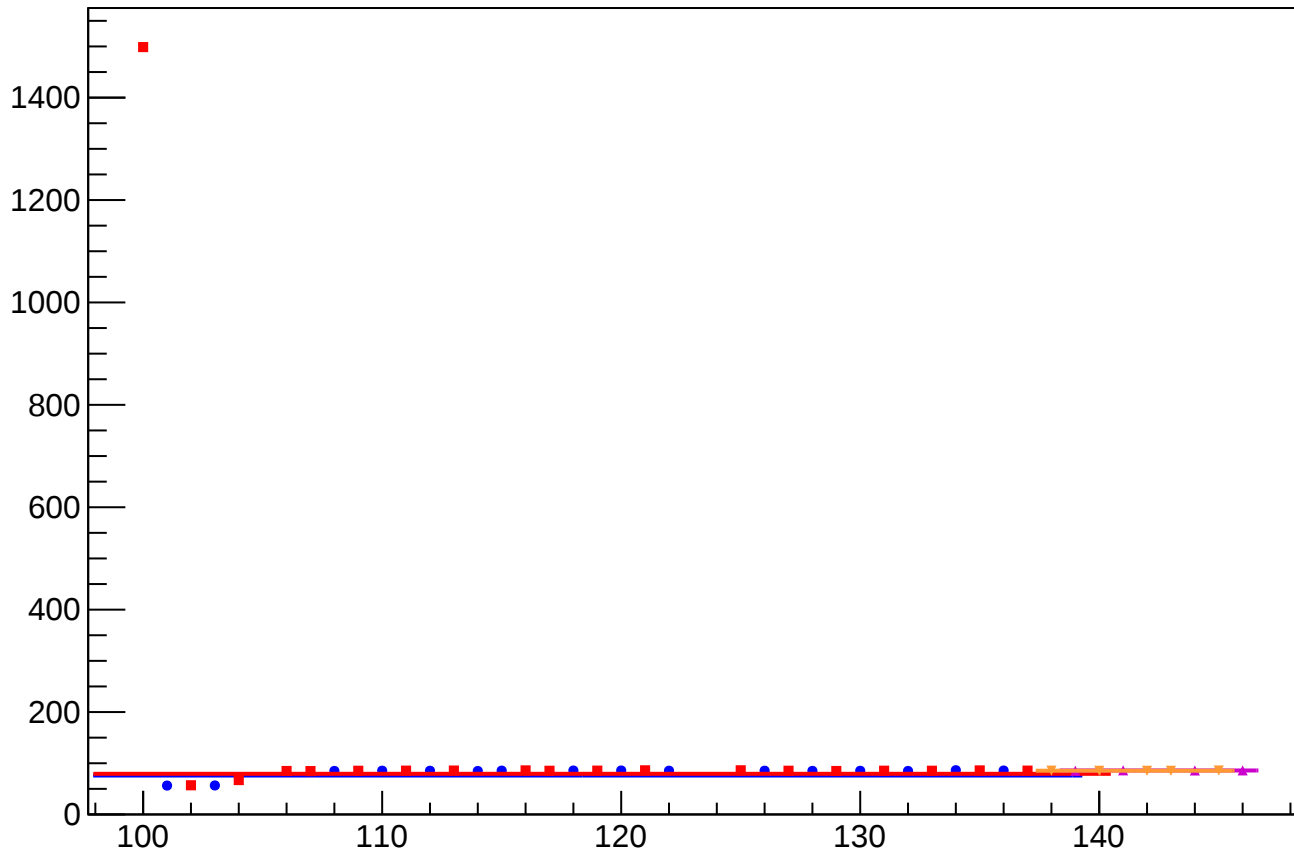
Left In: 73.773 ± 47.677 $\chi^2/\text{NDF}: 2.5/3$

1.241 ± 25.189 $\chi^2/\text{NDF}: 17.7/20$

0.736 ± 17.957 $\chi^2/\text{NDF}: 36.4/43$

0.214 ± 25.604 $\chi^2/\text{NDF}: 18.8/22$

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.446 $\pm$ 0.033 χ^2 /NDF: 51.5/4

Right Out: 79.371 $\pm$ 0.021 χ^2 /NDF: 388057.0/18

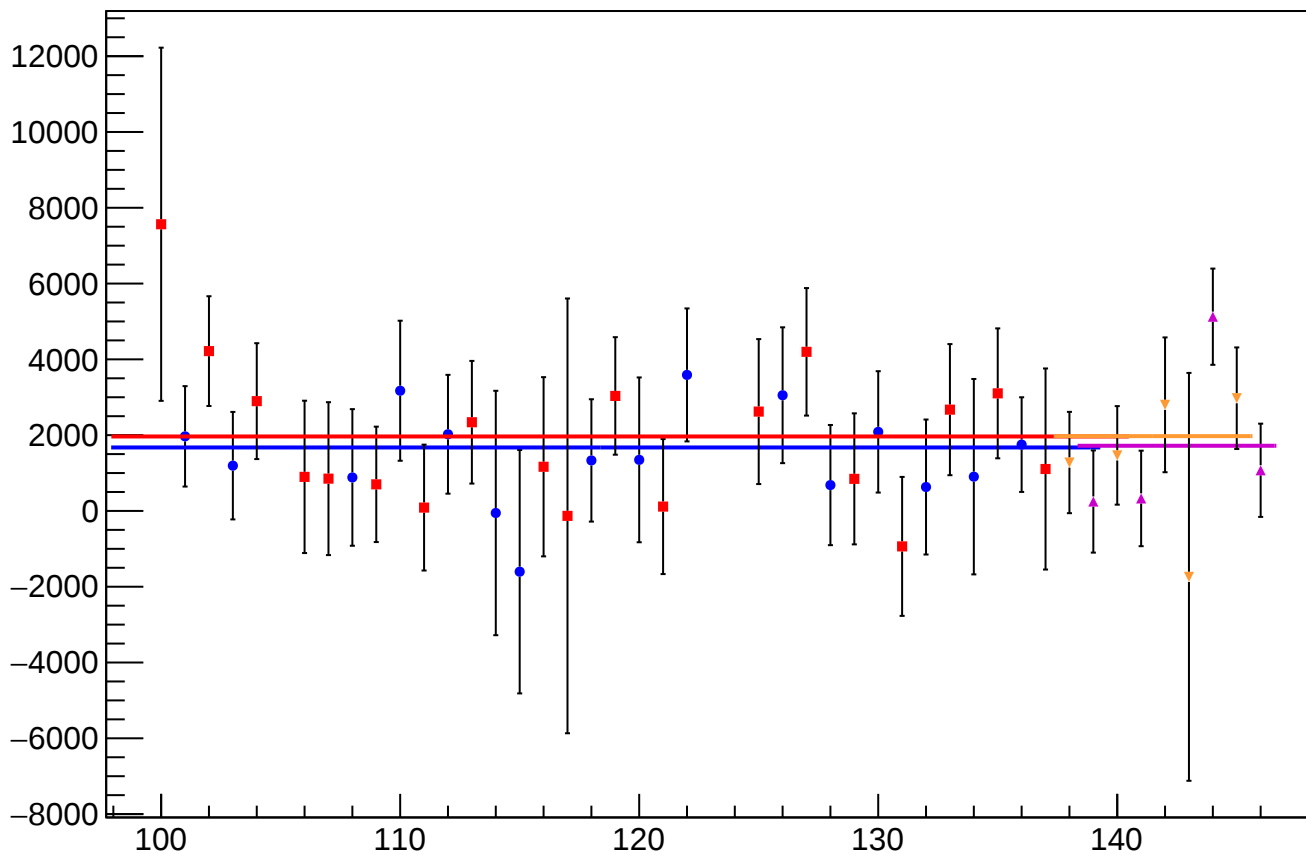
Left In: 85.897 $\pm$ 0.034 χ^2 /NDF: 82.3/3

78.813 $\pm$ 0.018 χ^2 /NDF: 466736.2/20

80.013 $\pm$ 0.013 χ^2 /NDF: 890764.7/43

81.253 $\pm$ 0.018 χ^2 /NDF: 414798.6/22

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1674.993 $\pm$ 430.597 χ^2 /NDF: 5.1/15

Left Out: 1973.725 $\pm$ 697.035 χ^2 /NDF: 1.7/4

Right Out: 1964.936 $\pm$ 421.265 χ^2 /NDF: 14.2/18

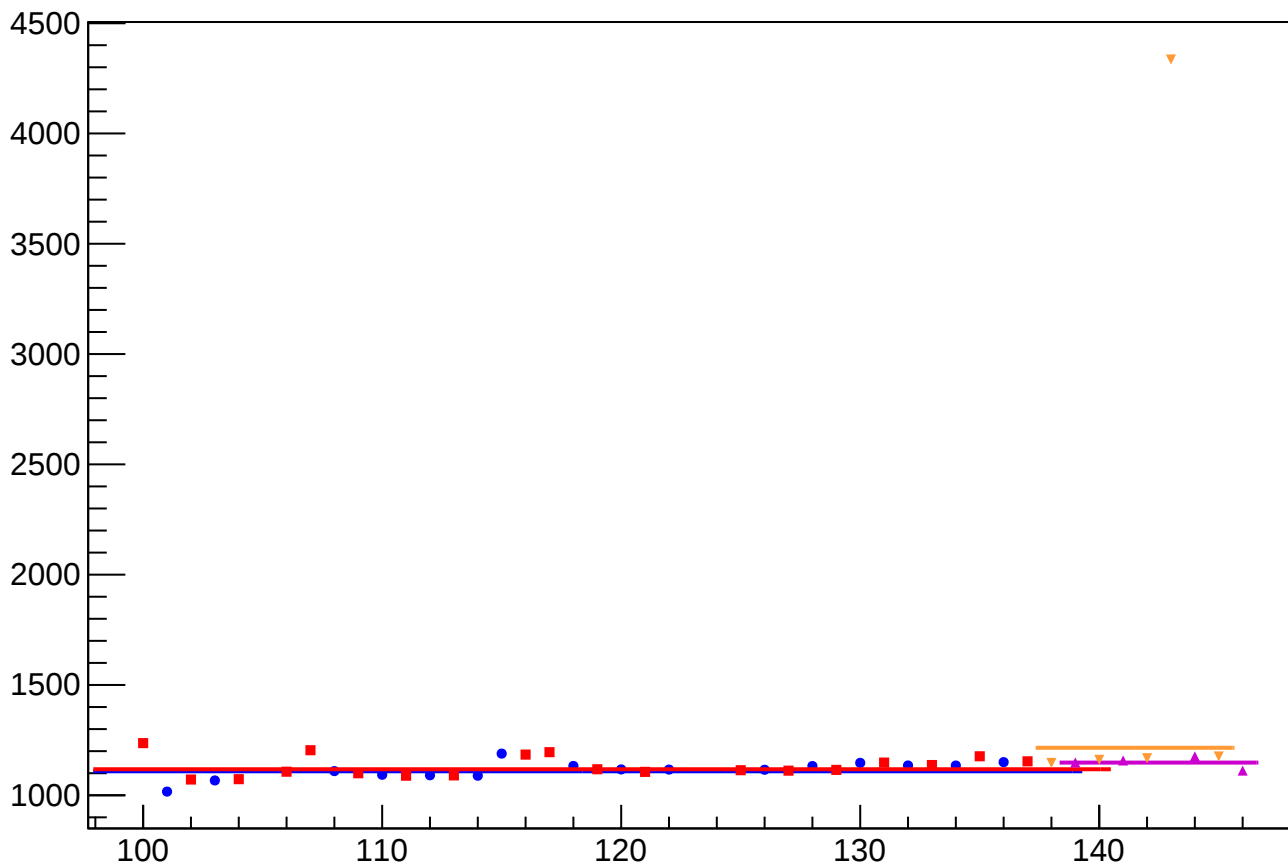
Left In: 1719.791 $\pm$ 637.414 χ^2 /NDF: 9.9/3

1757.507 $\pm$ 366.333 χ^2 /NDF: 6.9/20

1826.715 $\pm$ 253.610 χ^2 /NDF: 31.2/43

1890.412 $\pm$ 351.447 χ^2 /NDF: 24.1/22

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1108.739+/-0.304 χ^2/NDF : 18080.7/15

Left Out: 1215.305+/-0.493 χ^2/NDF : 684082.1/4

Right Out: 1117.959+/-0.298 χ^2/NDF : 15881.8/18

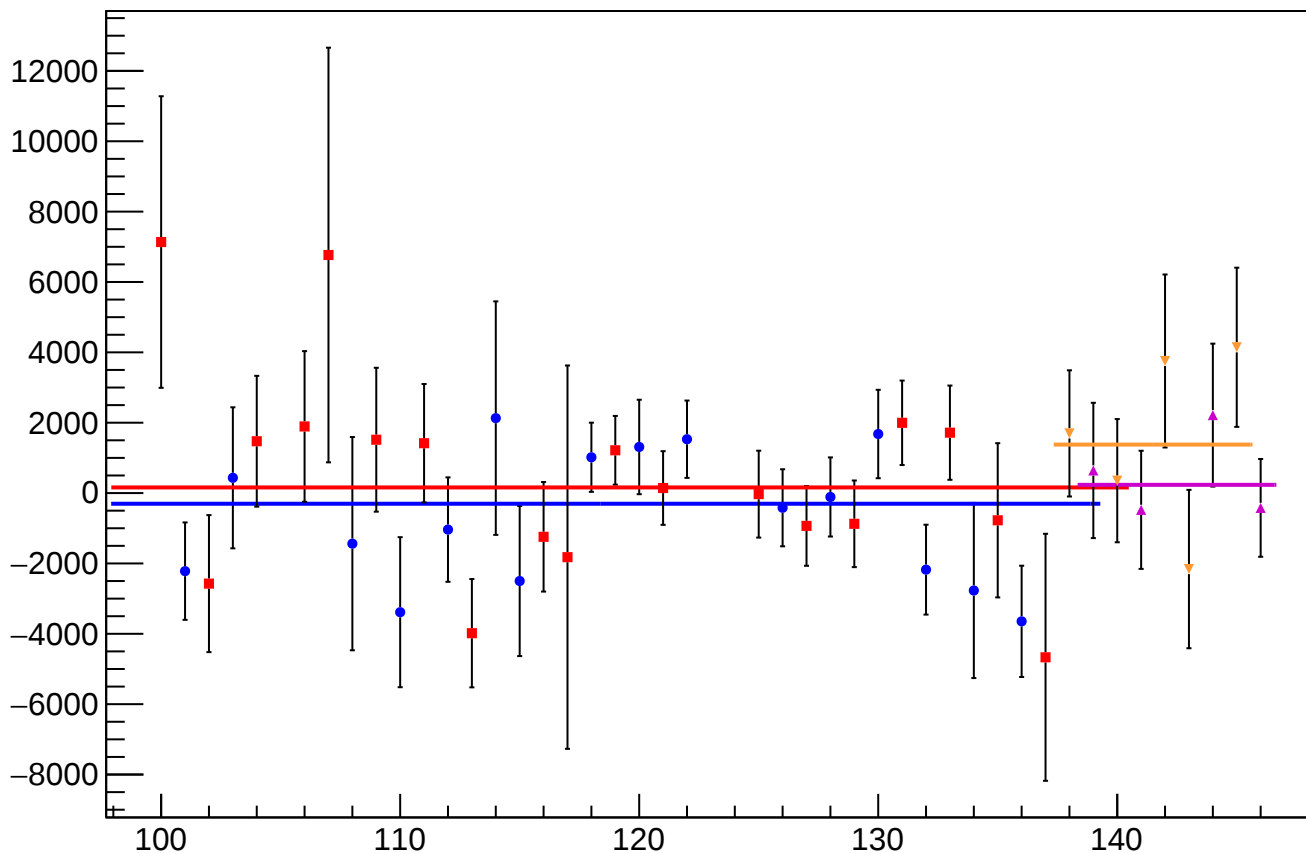
Left In: 1148.157+/-0.451 χ^2/NDF : 2831.9/3

1138.174+/-0.259 χ^2/NDF : 735997.6/20

1132.428+/-0.179 χ^2/NDF : 758780.7/43

1127.139+/-0.249 χ^2/NDF : 21838.1/22

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -303.335 $\pm$ 360.068 χ^2/NDF : 22.3/15

Left Out: 1377.871 $\pm$ 914.703 χ^2/NDF : 5.3/4

Right Out: 160.376 $\pm$ 355.478 χ^2/NDF : 25.0/18

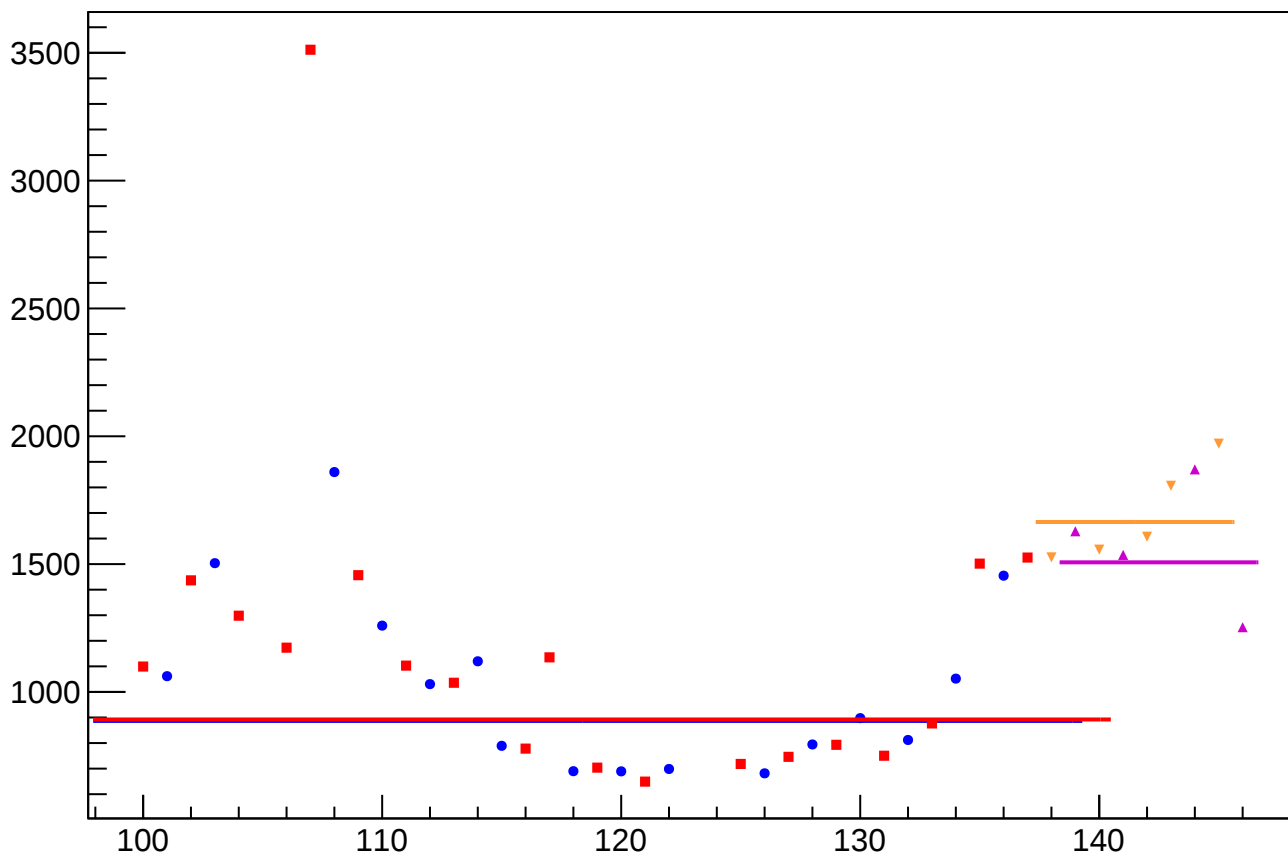
Left In: 233.982 $\pm$ 849.627 χ^2/NDF : 1.4/3

-77.774 $\pm$ 335.044 χ^2/NDF : 30.5/20

49.456 $\pm$ 234.357 χ^2/NDF : 57.2/43

171.341 $\pm$ 327.932 χ^2/NDF : 26.4/22

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1664.743+/-0.647 χ^2/NDF : 65238.5/4

Right Out: 892.236+/-0.251 χ^2/NDF : 1418185.6/18

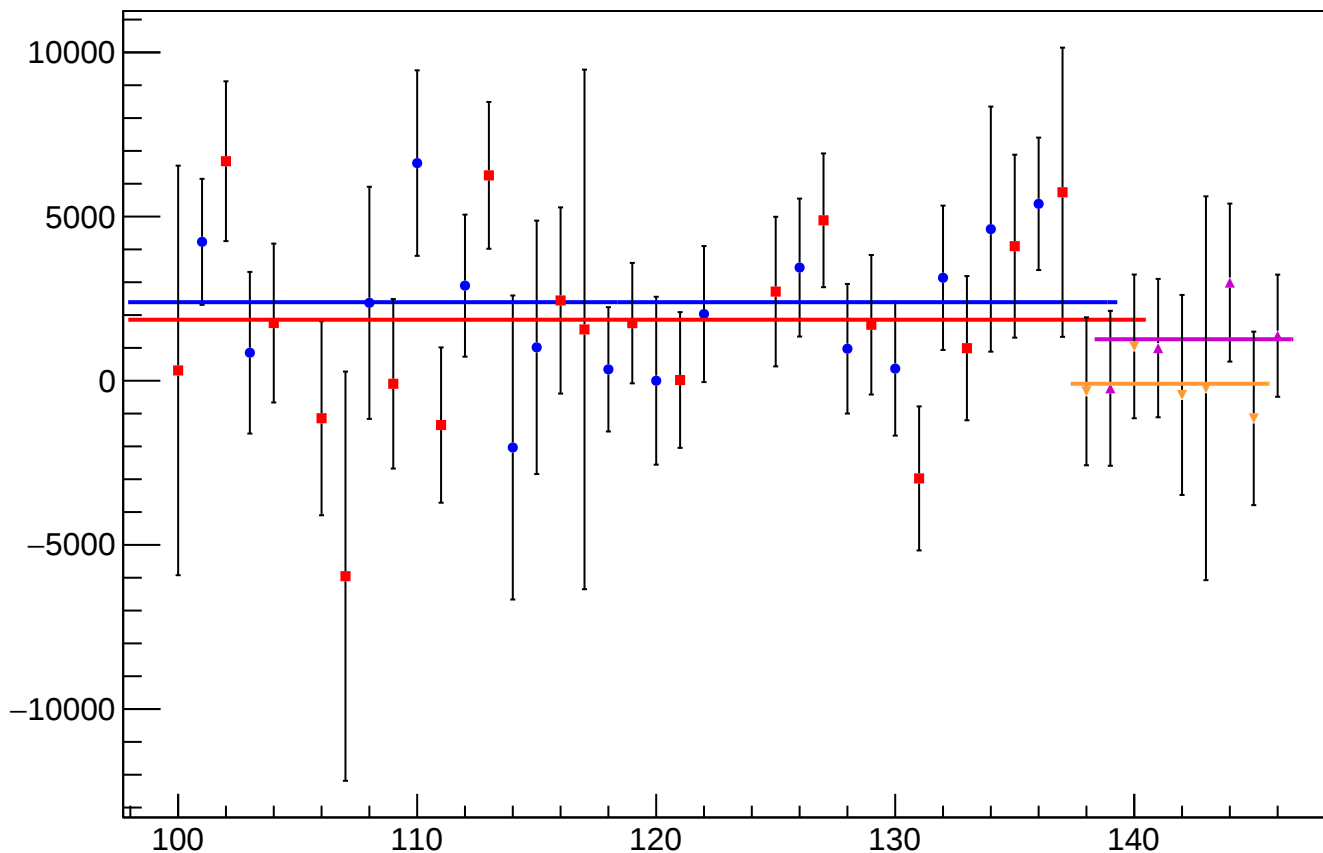
Left In: 1506.926+/-0.601 χ^2/NDF : 139338.1/3

991.079+/-0.237 χ^2/NDF : 2379017.2/20

987.366+/-0.166 χ^2/NDF : 4827921.9/43

983.809+/-0.232 χ^2/NDF : 2448423.7/22

asym_usl_mean vs Slug, Sign Corrected



Right In: 2392.385+/-588.991 χ^2/NDF : 11.2/15

Left Out: -91.687+/-1207.234 χ^2/NDF : 0.5/4

Right Out: 1858.263+/-581.542 χ^2/NDF : 22.5/18

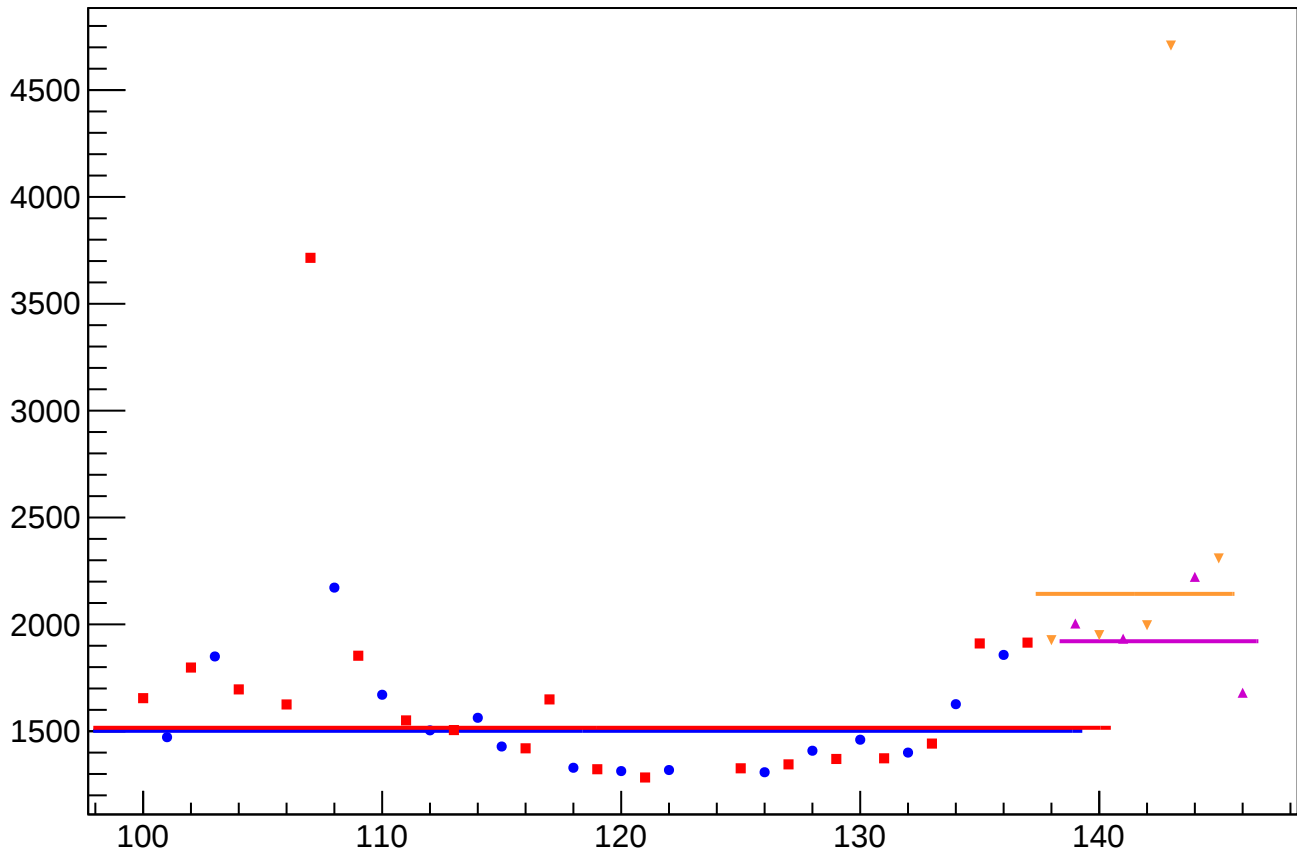
Left In: 1263.538+/-1074.345 χ^2/NDF : 0.9/3

1914.782+/-529.350 χ^2/NDF : 15.0/20

1815.844+/-367.805 χ^2/NDF : 38.8/43

1723.494+/-511.424 χ^2/NDF : 23.7/22

asym_usl_rms vs Slug, Sign Corrected



Right In: 1501.937 ± 0.416 $\chi^2/\text{NDF}: 254549.7/15$

Left Out: 2142.742 ± 0.854 $\chi^2/\text{NDF}: 431905.9/4$

Right Out: 1516.127 ± 0.411 $\chi^2/\text{NDF}: 480325.9/18$

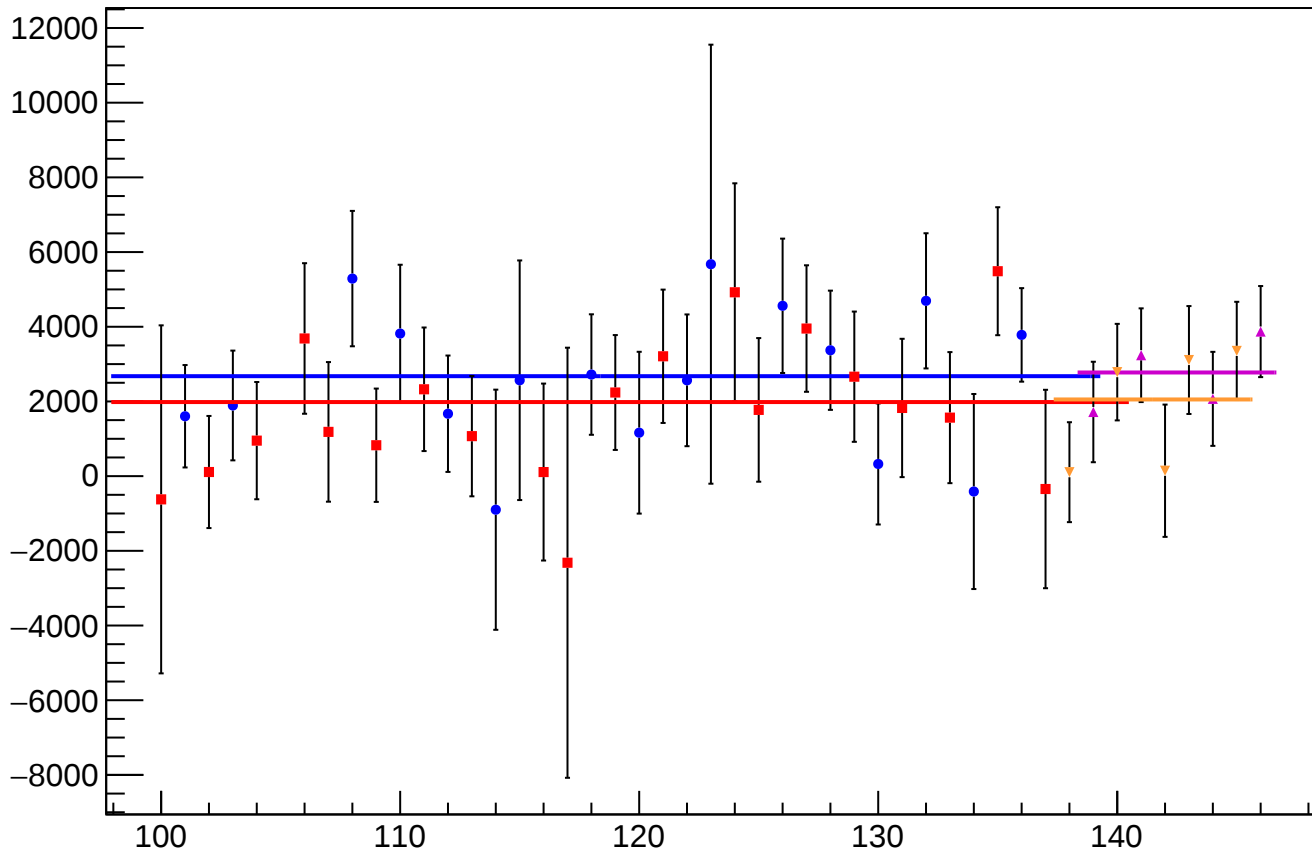
Left In: 1921.140 ± 0.760 $\chi^2/\text{NDF}: 67434.8/3$

1625.142 ± 0.374 $\chi^2/\text{NDF}: 1141620.0/20$

1616.227 ± 0.260 $\chi^2/\text{NDF}: 1910304.3/43$

1607.906 ± 0.362 $\chi^2/\text{NDF}: 767587.6/22$

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2676.683 $\pm$ 433.582 χ^2 /NDF: 12.6/16

Left Out: 2053.214 $\pm$ 628.218 χ^2 /NDF: 5.1/4

Right Out: 1983.779 $\pm$ 418.059 χ^2 /NDF: 13.4/19

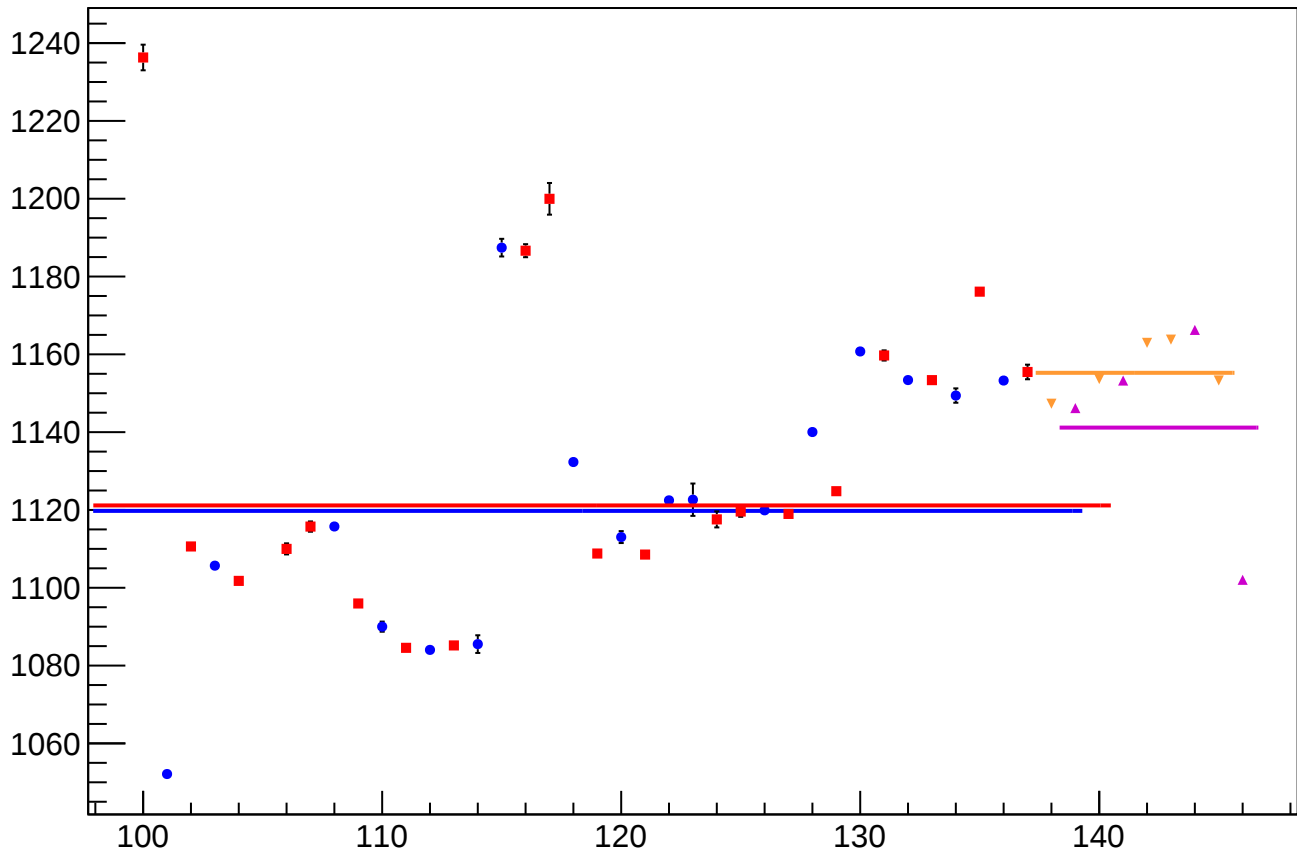
Left In: 2775.665 $\pm$ 633.546 χ^2 /NDF: 1.9/3

2475.520 $\pm$ 356.843 χ^2 /NDF: 18.4/21

2346.939 $\pm$ 249.484 χ^2 /NDF: 34.9/45

2223.993 $\pm$ 348.936 χ^2 /NDF: 16.3/23

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1155.253 $\pm$ 0.444 χ^2 /NDF:185.6/4

Right Out: 1121.164 $\pm$ 0.296 χ^2 /NDF: 10310.8/19

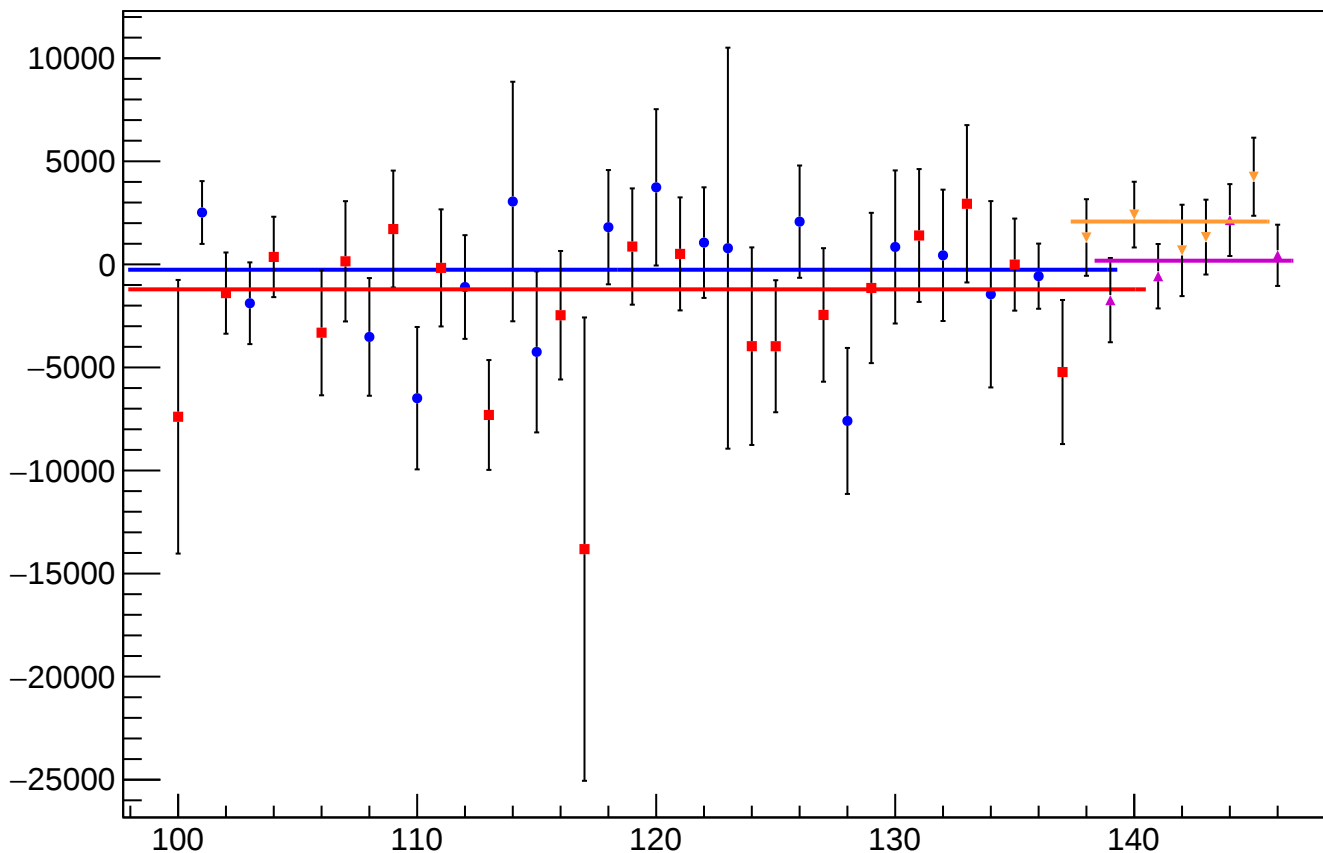
Left In: 1141.169 $\pm$ 0.448 χ^2 /NDF:3068.3/3

1131.213 $\pm$ 0.252 χ^2 /NDF: 16386.1/21

1129.178 $\pm$ 0.176 χ^2 /NDF: 31281.6/45

1127.232 $\pm$ 0.247 χ^2 /NDF: 14768.3/23

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 2077.861+/-825.034 χ^2/NDF : 2.1/4

Right Out: -1211.378+/-661.281 χ^2/NDF : 15.7/19

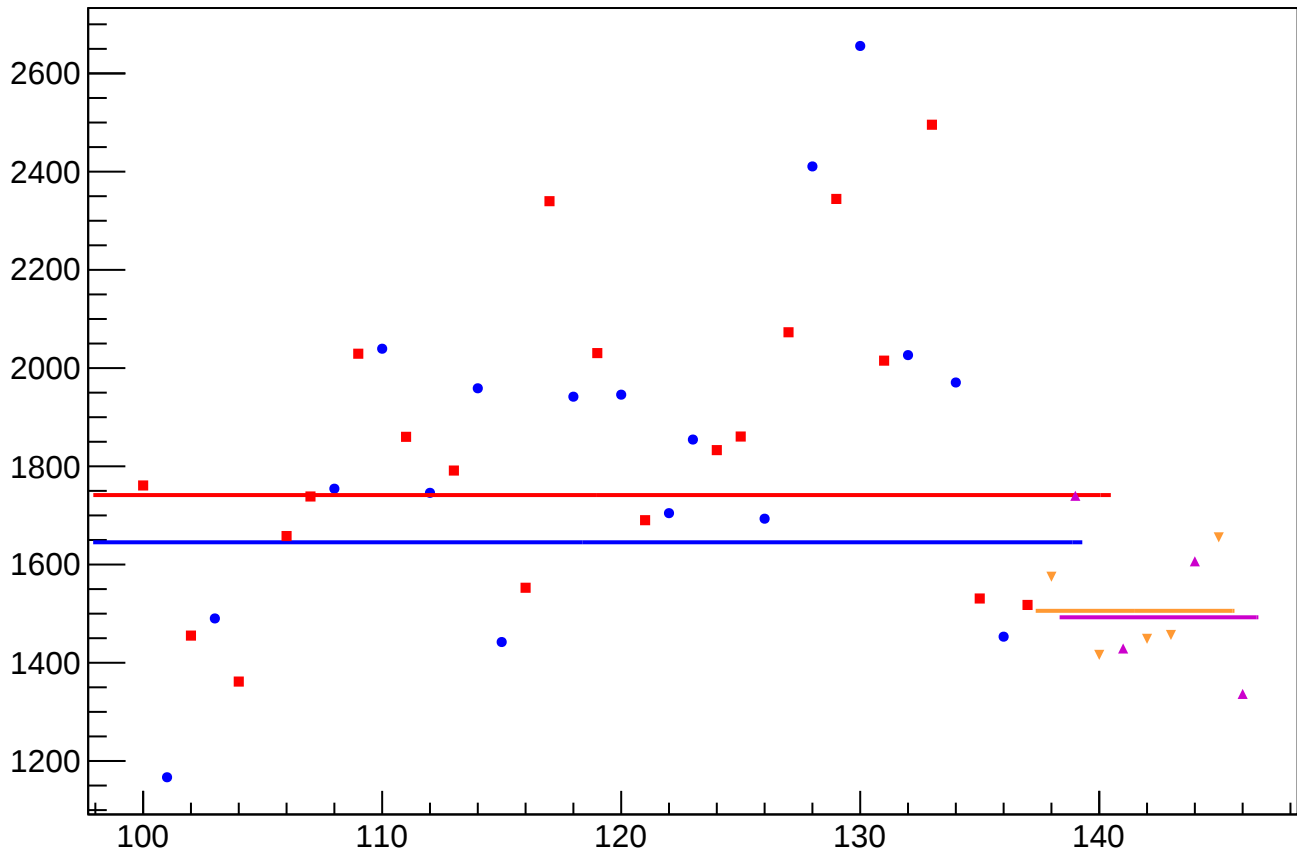
Left In: 178.428+/-836.088 χ^2/NDF : 2.4/3

644.420+/-513.123 χ^2/NDF : 24.2/21

-8.970+/-364.775 χ^2/NDF : 47.3/45

-676.543+/-518.662 χ^2/NDF : 19.8/23

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1505.763+/-0.583 χ^2/NDF : 24392.9/4

Right Out: 1741.460+/-0.468 χ^2/NDF : 376702.2/19

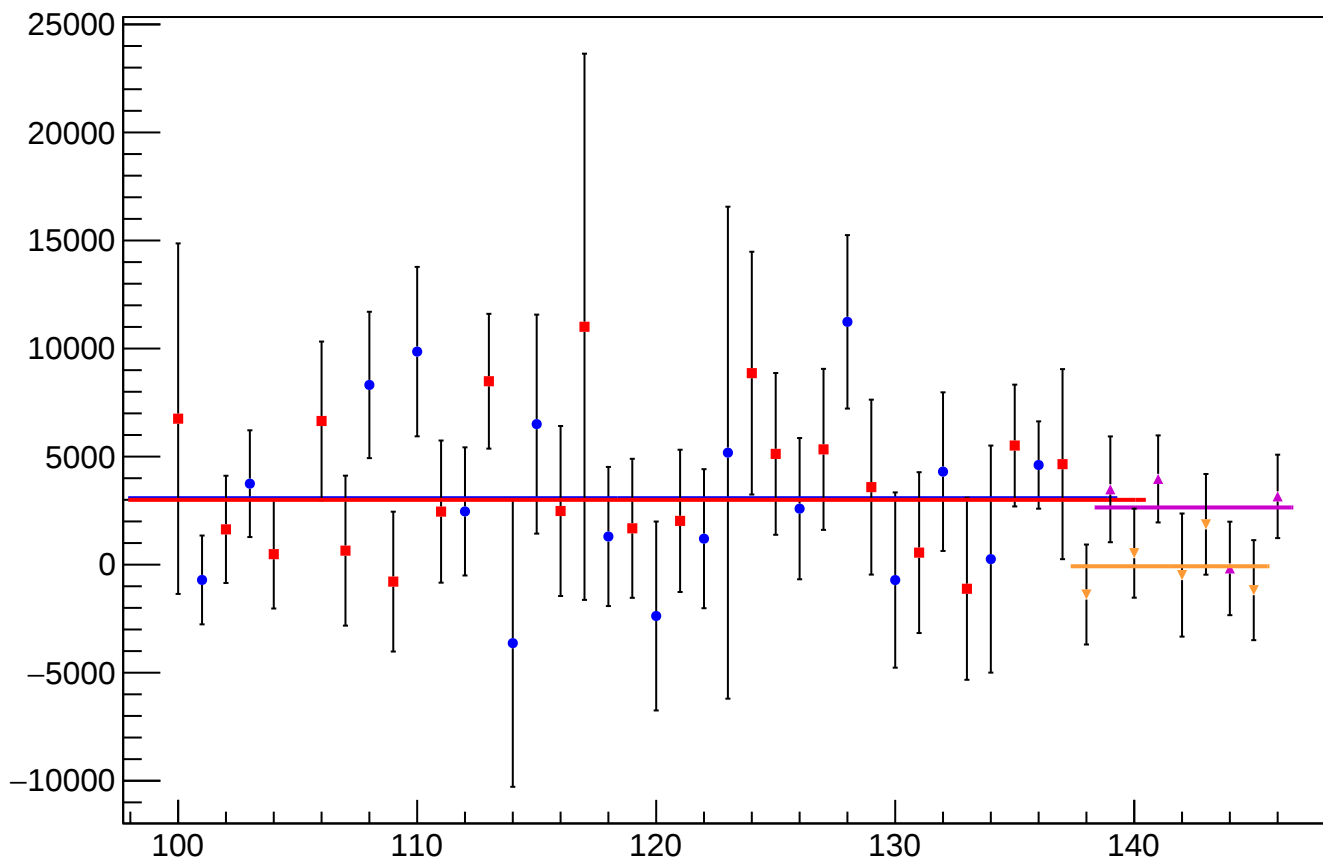
Left In: 1492.585+/-0.591 χ^2/NDF : 63199.8/3

1591.330+/-0.363 χ^2/NDF : 660391.5/21

1618.216+/-0.258 χ^2/NDF : 1220410.3/45

1645.687+/-0.367 χ^2/NDF : 548917.4/23

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: -75.227 $\pm$ 1044.419 χ^2 /NDF: 1.3/4

Right Out: 2999.277 $\pm$ 794.066 χ^2 /NDF: 12.3/19

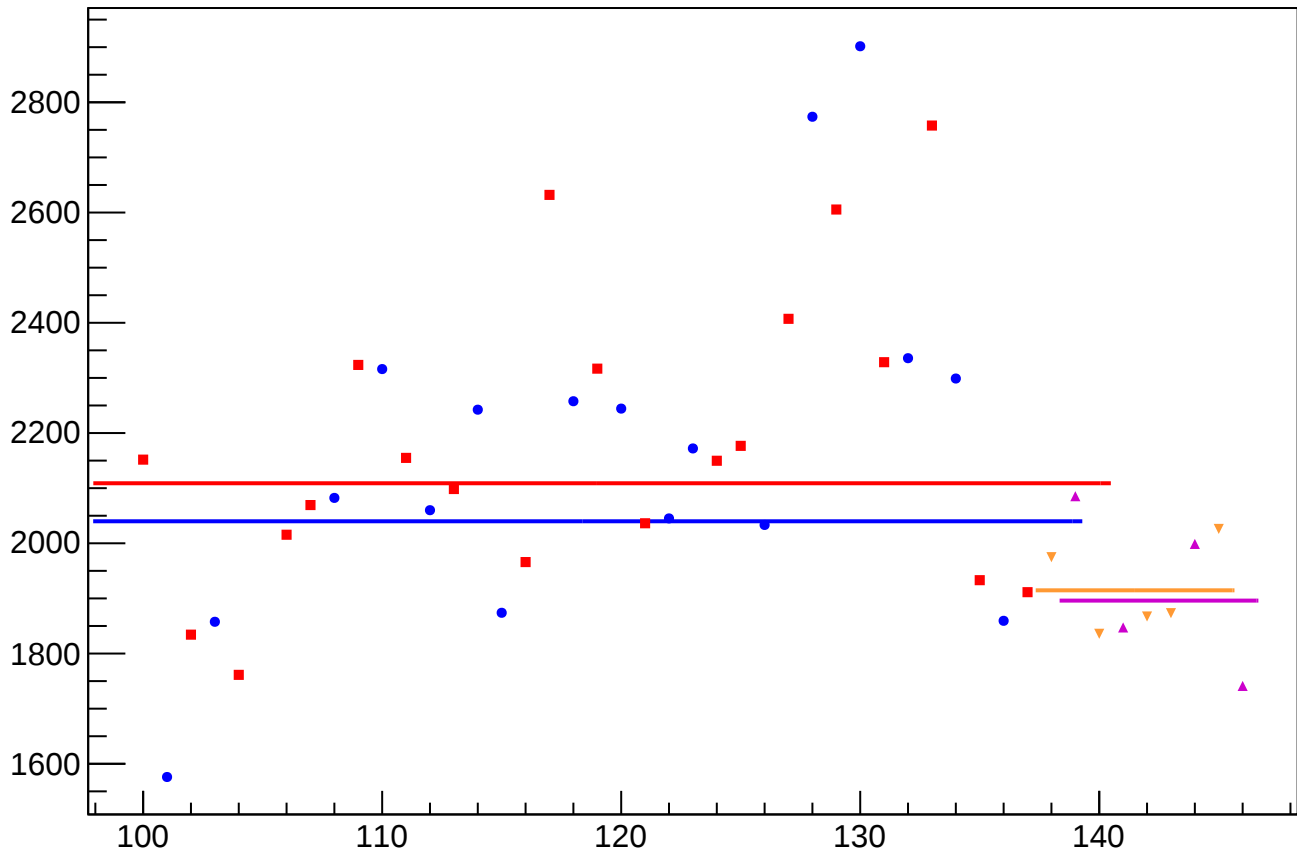
Left In: 2646.991 $\pm$ 1056.664 χ^2 /NDF: 2.3/3

1906.271 $\pm$ 636.220 χ^2 /NDF: 25.7/21

2390.281 $\pm$ 449.373 χ^2 /NDF: 41.5/45

2872.133 $\pm$ 634.801 χ^2 /NDF: 14.7/23

asym_usr_rms vs Slug, Sign Corrected



Right In: 2039.942 +/- 0.567 χ^2/NDF : 331984.0/16

Left Out: 1914.684 +/- 0.739 χ^2/NDF : 10102.7/4

Right Out: 2108.906 +/- 0.561 χ^2/NDF : 198889.3/19

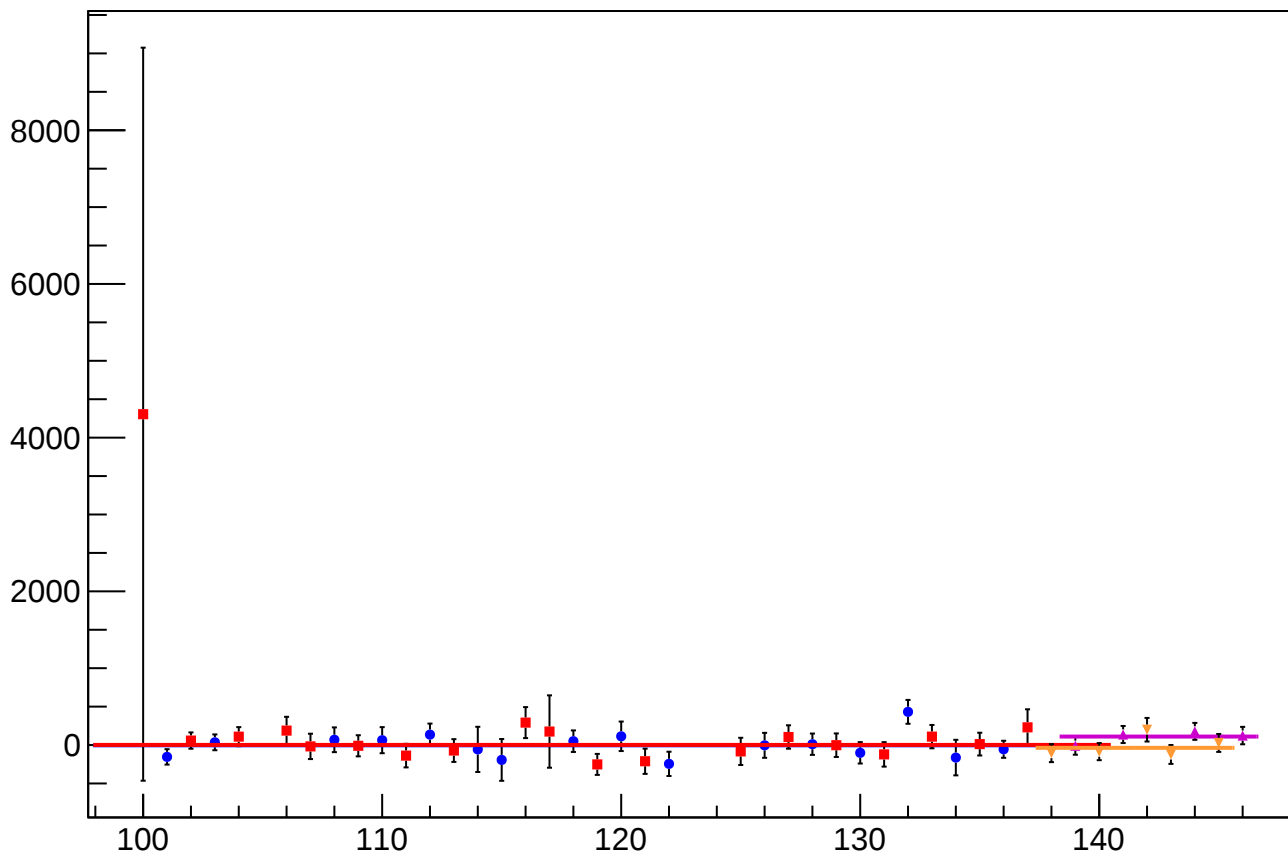
Left In: 1896.039 +/- 0.747 χ^2/NDF : 30518.7/3

1993.462 +/- 0.450 χ^2/NDF : 360178.6/21

2012.814 +/- 0.318 χ^2/NDF : 645151.1/45

2032.080 +/- 0.449 χ^2/NDF : 281279.8/23

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: -36.463+/-54.556 χ^2/NDF : 3.7/4

Right Out: 1.545+/-36.588 χ^2/NDF : 14.1/18

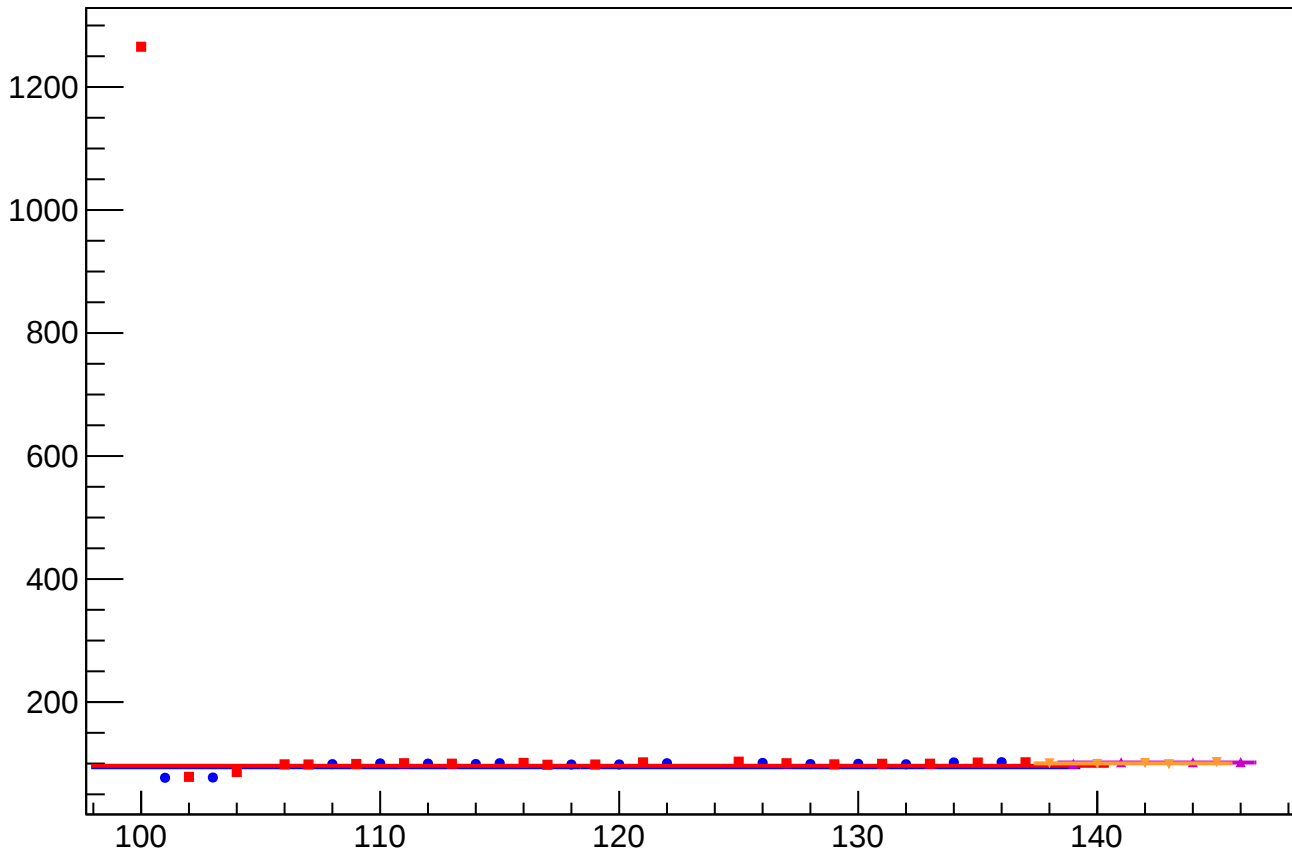
Left In: 110.386+/-56.455 χ^2/NDF : 1.5/3

-13.625+/-30.459 χ^2/NDF : 20.1/20

9.867+/-21.624 χ^2/NDF : 39.5/43

33.738+/-30.703 χ^2/NDF : 18.2/22

reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.068 $\pm$ 0.026 χ^2 /NDF: 152285.6/15

Left Out: 100.324 $\pm$ 0.039 χ^2 /NDF: 1005.4/4

Right Out: 96.383 $\pm$ 0.026 χ^2 /NDF: 209255.3/18

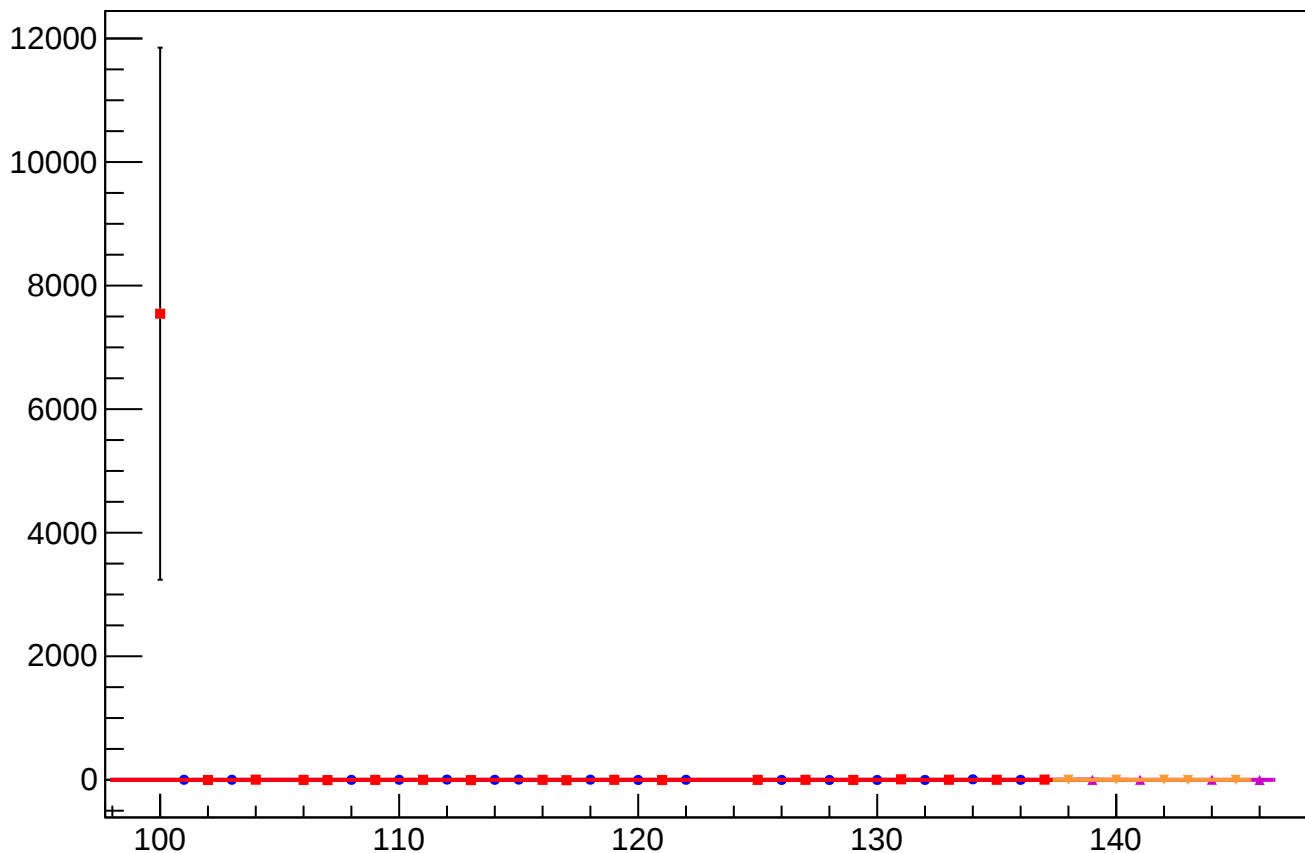
Left In: 101.707 $\pm$ 0.040 χ^2 /NDF: 672.5/3

96.018 $\pm$ 0.022 χ^2 /NDF: 171388.4/20

96.980 $\pm$ 0.015 χ^2 /NDF: 397865.1/43

97.957 $\pm$ 0.022 χ^2 /NDF: 222455.2/22

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.426+/-0.616 χ^2/NDF : 9.7/15

Left Out: -0.205+/-0.935 χ^2/NDF : 4.3/4

Right Out: -0.336+/-0.641 χ^2/NDF : 23.1/18

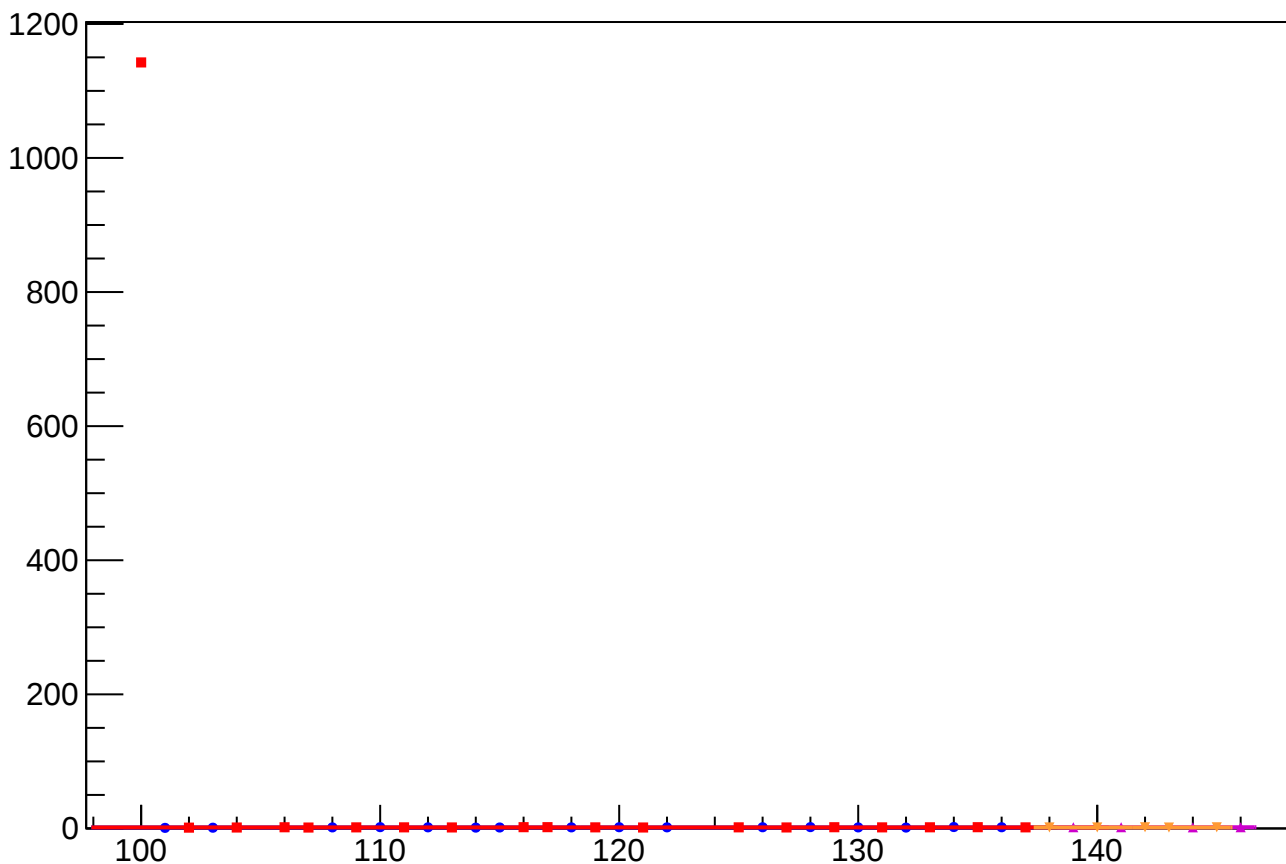
Left In: 0.325+/-1.065 χ^2/NDF : 1.6/3

0.235+/-0.514 χ^2/NDF : 14.3/20

0.050+/-0.376 χ^2/NDF : 39.6/43

-0.160+/-0.549 χ^2/NDF : 25.0/22

asym_dsl_correction_rms vs Slug, Sign Corrected



Right In: 1.420+/-0.000 χ^2/NDF : 730935.2/15

Left Out: 1.562+/-0.001 χ^2/NDF : 37495.6/4

Right Out: 1.557+/-0.000 χ^2/NDF : 318750.9/18

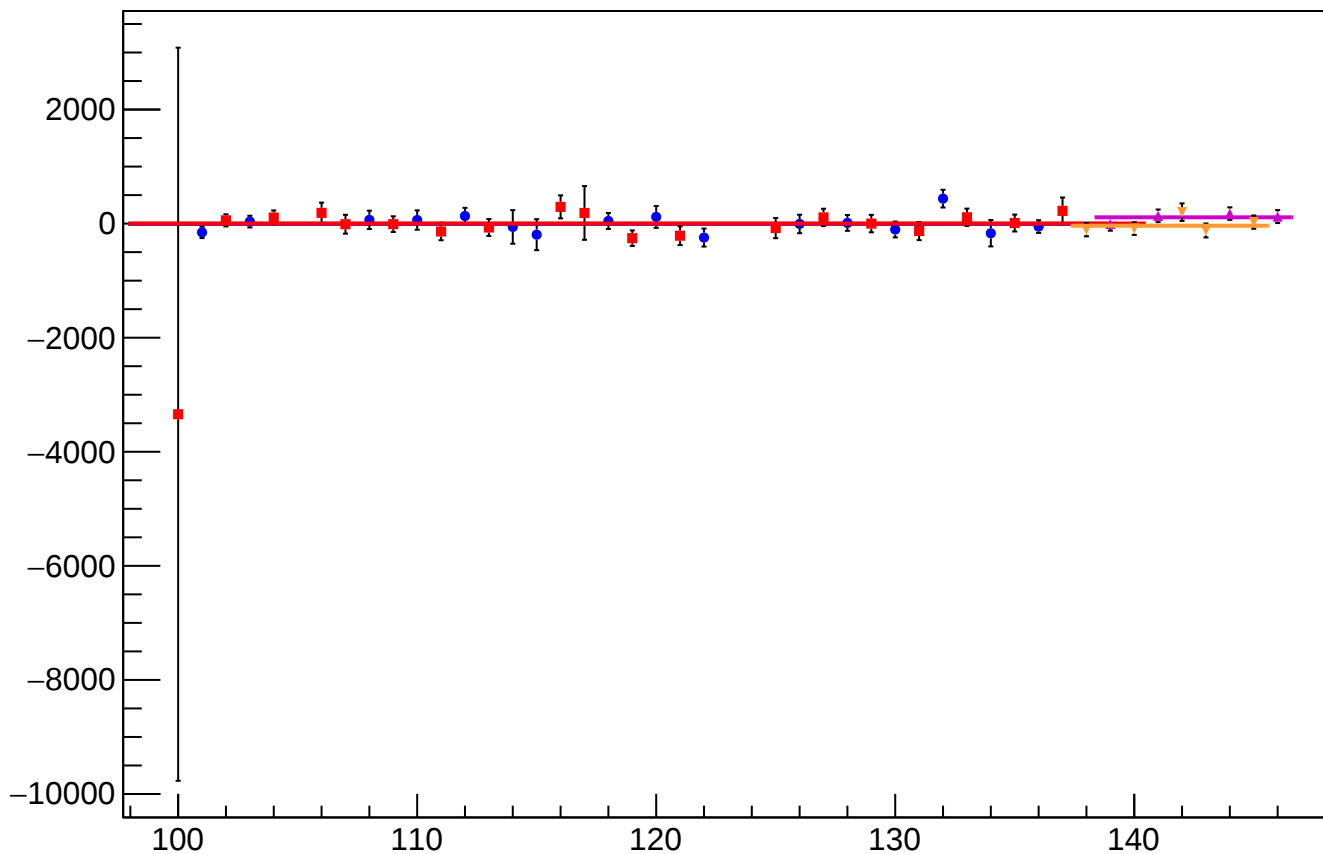
Left In: 1.807+/-0.001 χ^2/NDF : 8738.9/3

1.463+/-0.000 χ^2/NDF : 800688.7/20

1.538+/-0.000 χ^2/NDF : 1300402.7/43

1.624+/-0.000 χ^2/NDF : 408111.5/22

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: -36.512 ± 54.570 χ^2/NDF : 3.7/4

Right Out: 1.300 ± 36.598 χ^2/NDF : 13.7/18

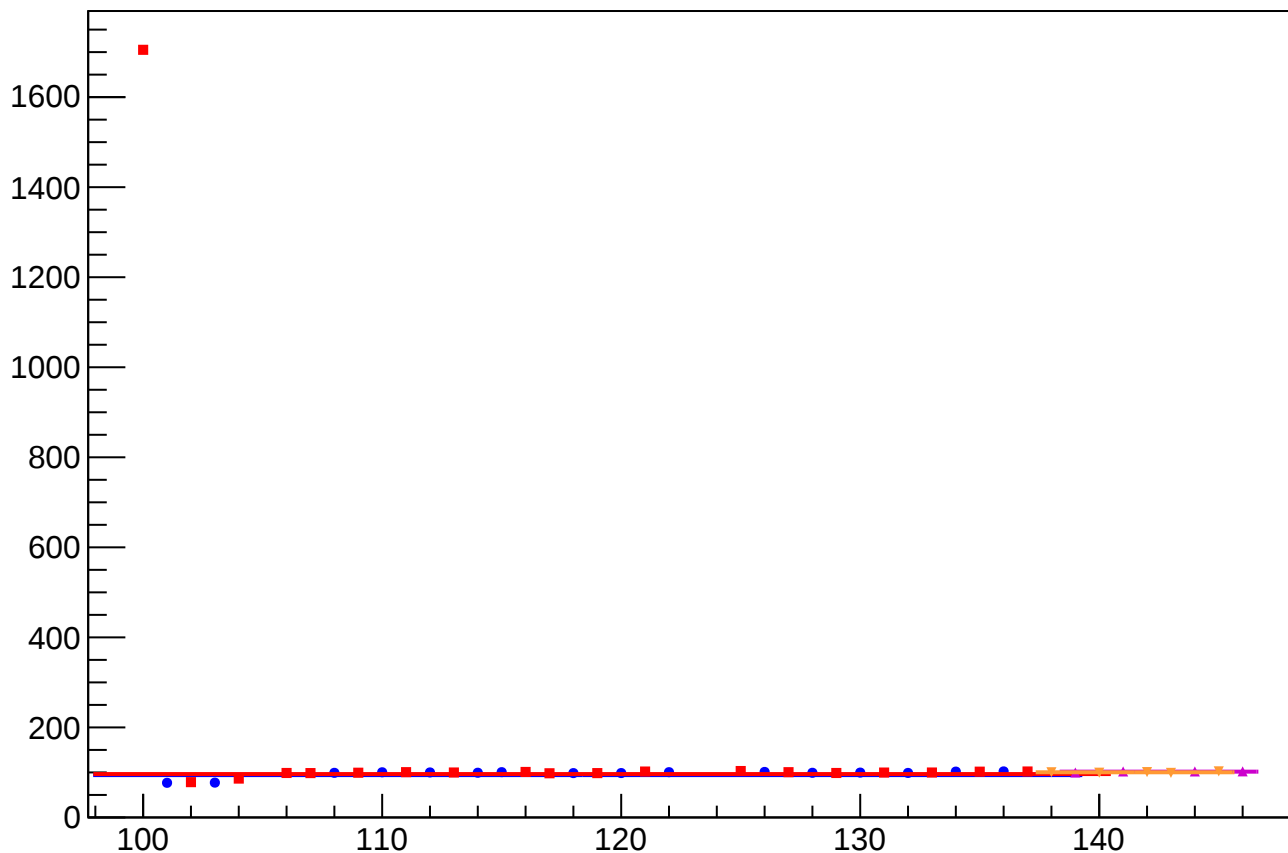
Left In: 110.258 ± 56.470 χ^2/NDF : 1.4/3

-13.514 ± 30.467 χ^2/NDF : 20.3/20

9.819 ± 21.629 χ^2/NDF : 39.2/43

33.528 ± 30.712 χ^2/NDF : 17.7/22

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 100.350+/-0.039 χ^2/NDF : 1005.4/4

Right Out: 96.391+/-0.026 χ^2/NDF : 214389.8/18

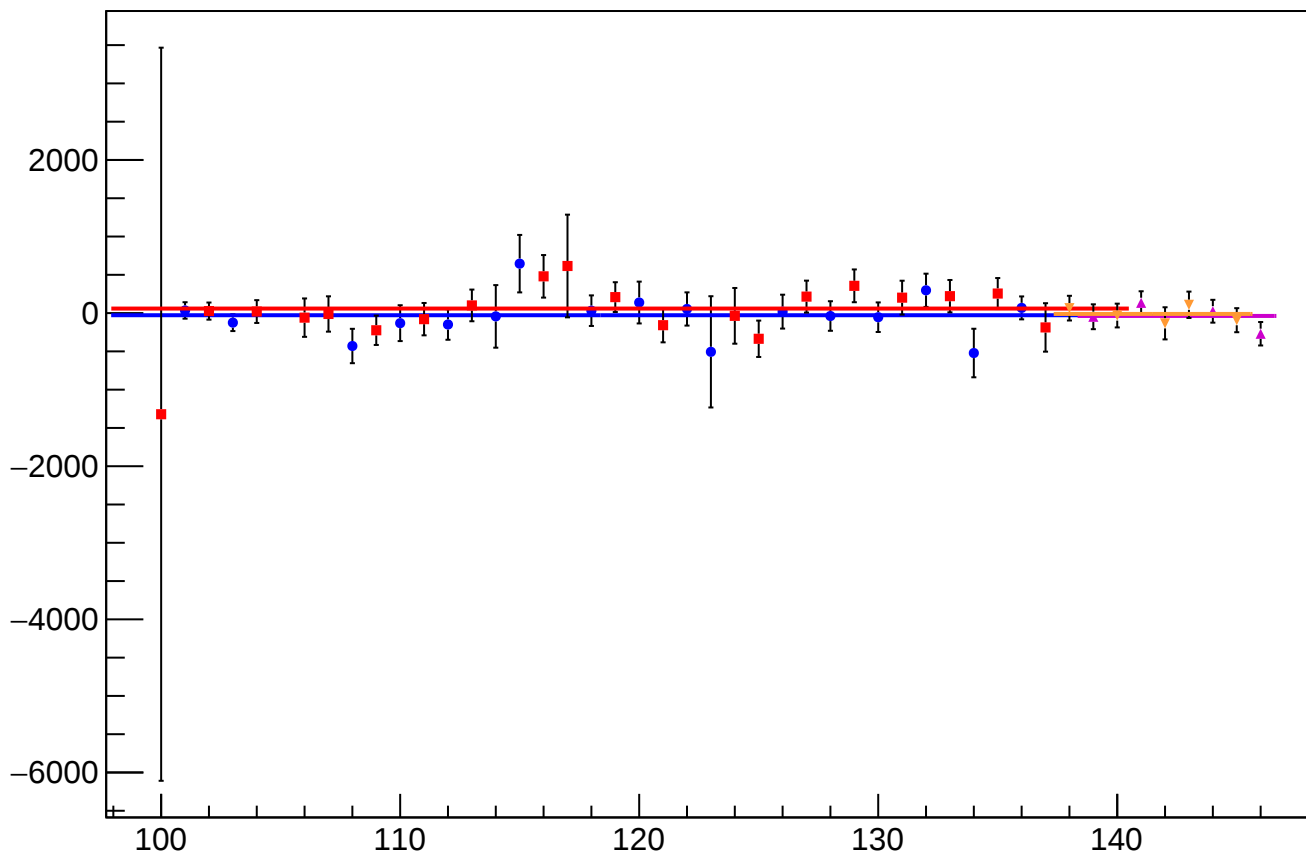
Left In: 101.735+/-0.040 χ^2/NDF : 672.4/3

96.043+/-0.022 χ^2/NDF : 171411.1/20

97.000+/-0.015 χ^2/NDF : 403059.7/43

97.972+/-0.022 χ^2/NDF : 227672.6/22

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -11.170 ± 75.160 χ^2/NDF : 1.3/4

Right Out: 59.211 ± 47.588 χ^2/NDF : 15.6/19

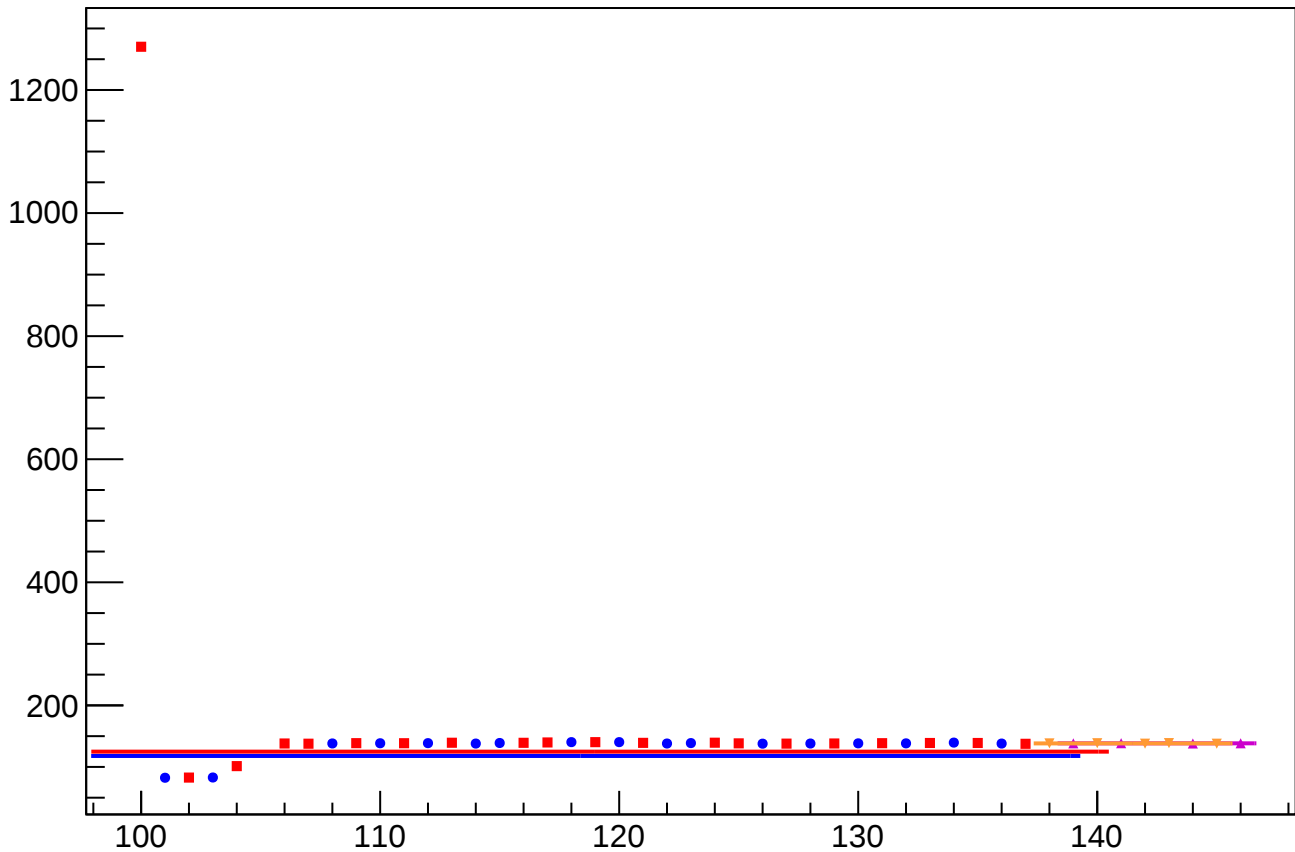
Left In: -37.167 ± 76.792 χ^2/NDF : 3.8/3

-23.186 ± 39.714 χ^2/NDF : 15.7/21

4.130 ± 28.339 χ^2/NDF : 37.1/45

32.469 ± 40.451 χ^2/NDF : 20.5/23

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.220 $\pm$ 0.053 χ^2 /NDF: 51.1/4

Right Out: 124.839 $\pm$ 0.034 χ^2 /NDF: 570766.0/19

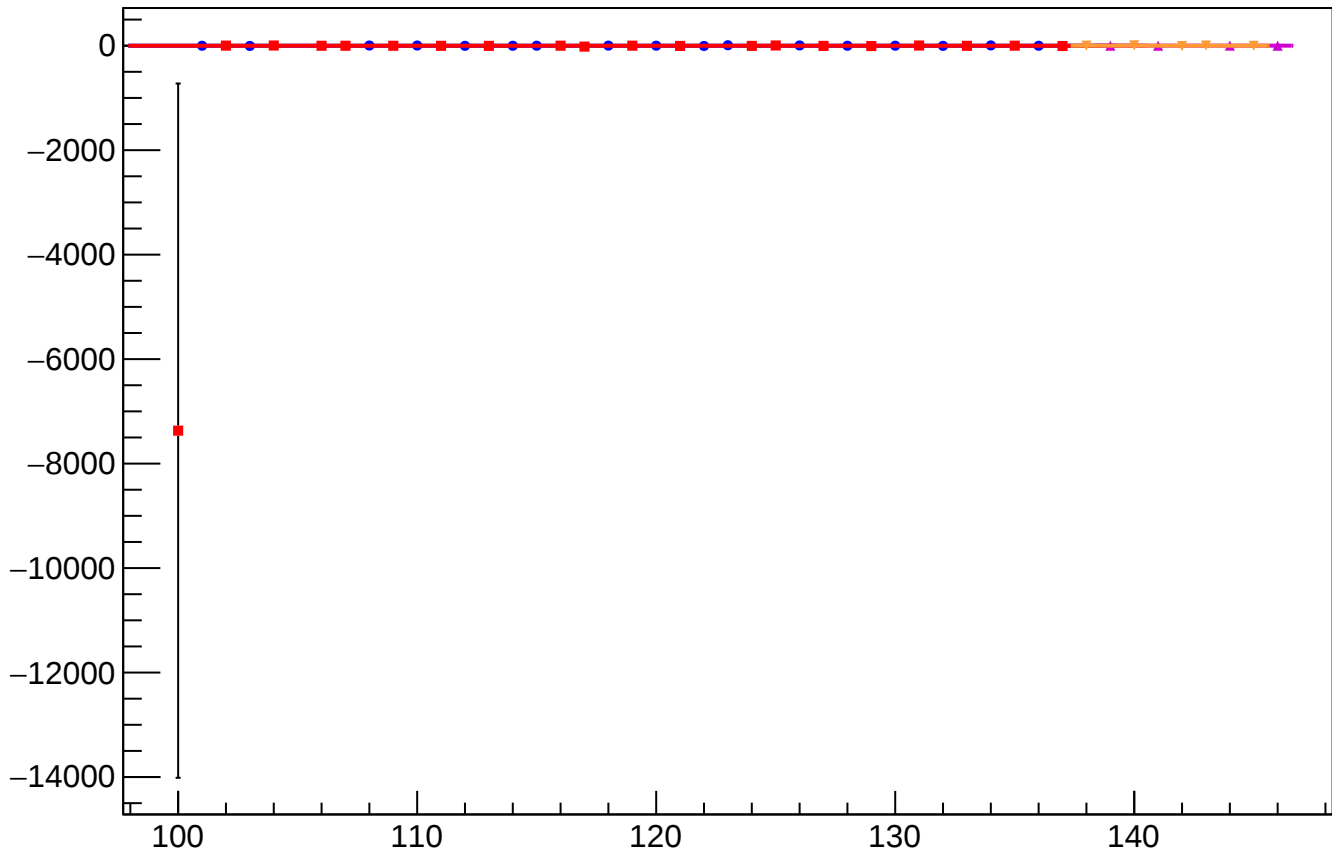
Left In: 138.348 $\pm$ 0.054 χ^2 /NDF: 9.6/3

123.512 $\pm$ 0.028 χ^2 /NDF: 772888.5/21

126.003 $\pm$ 0.020 χ^2 /NDF: 1404416.0/45

128.587 $\pm$ 0.029 χ^2 /NDF: 615494.8/23

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.319 ± 1.309 χ^2/NDF : 8.4/4

Right Out: -0.719 ± 0.849 χ^2/NDF : 15.3/19

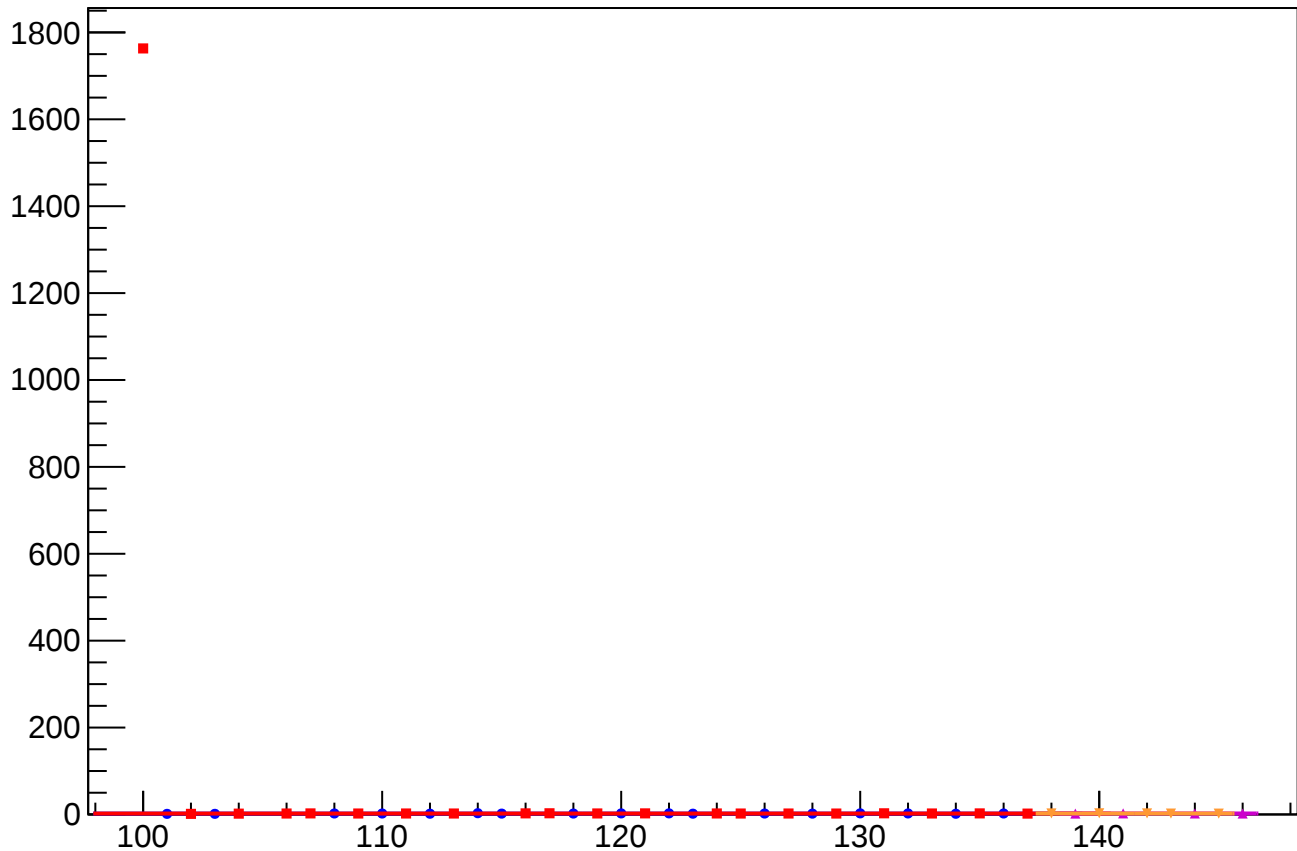
Left In: 0.657 ± 1.352 χ^2/NDF : 0.3/3

-0.414 ± 0.689 χ^2/NDF : 21.5/21

-0.374 ± 0.497 χ^2/NDF : 37.8/45

-0.330 ± 0.719 χ^2/NDF : 16.4/23

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.218 $\pm$ 0.001 χ^2 /NDF: 89110.0/4

Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

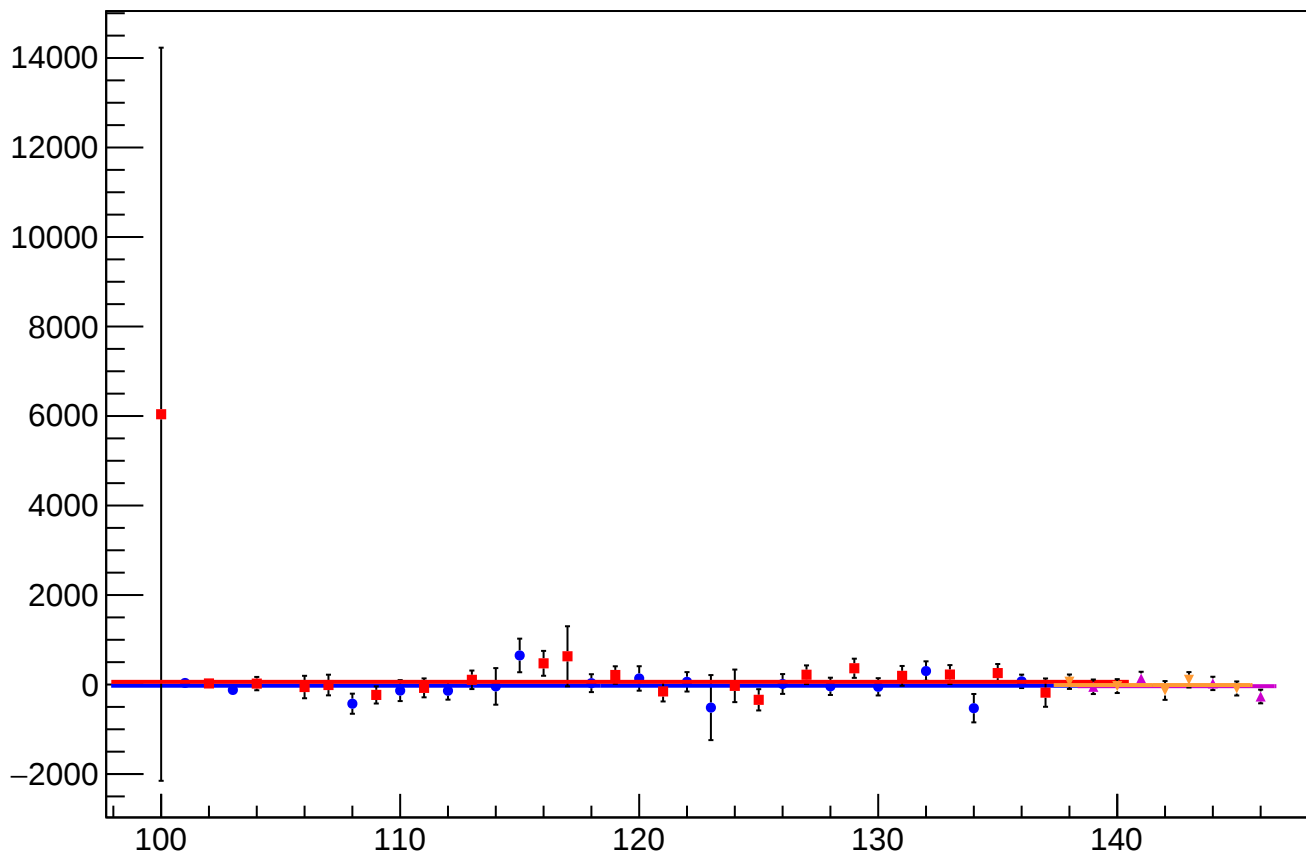
Left In: 2.235 $\pm$ 0.001 χ^2 /NDF: 30094.2/3

1.966 $\pm$ 0.000 χ^2 /NDF: 684797.5/21

2.037 $\pm$ 0.000 χ^2 /NDF: 1311998.6/45

2.115 $\pm$ 0.001 χ^2 /NDF: 582227.4/23

asym_dsr_mean vs Slug, Sign Corrected



Right In: -26.258+/-46.789 χ^2/NDF : 14.4/16

Left Out: -11.368+/-75.180 χ^2/NDF : 1.3/4

Right Out: 60.159+/-47.602 χ^2/NDF : 16.2/19

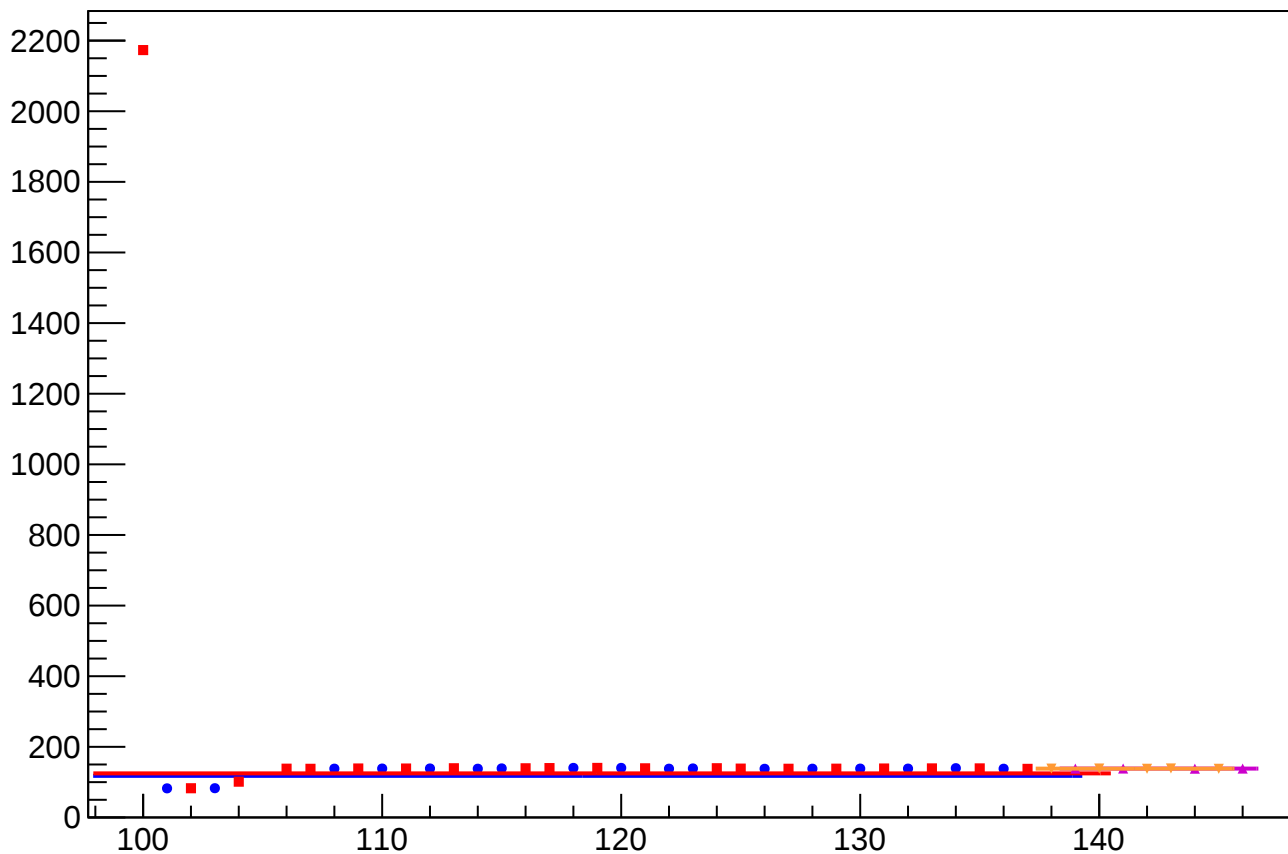
Left In: -36.754+/-76.812 χ^2/NDF : 3.7/3

-22.101+/-39.724 χ^2/NDF : 15.7/21

5.073+/-28.347 χ^2/NDF : 37.7/45

33.267+/-40.462 χ^2/NDF : 21.1/23

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.257 $\pm$ 0.053 χ^2 /NDF: 50.8/4

Right Out: 124.828 $\pm$ 0.034 χ^2 /NDF: 581349.7/19

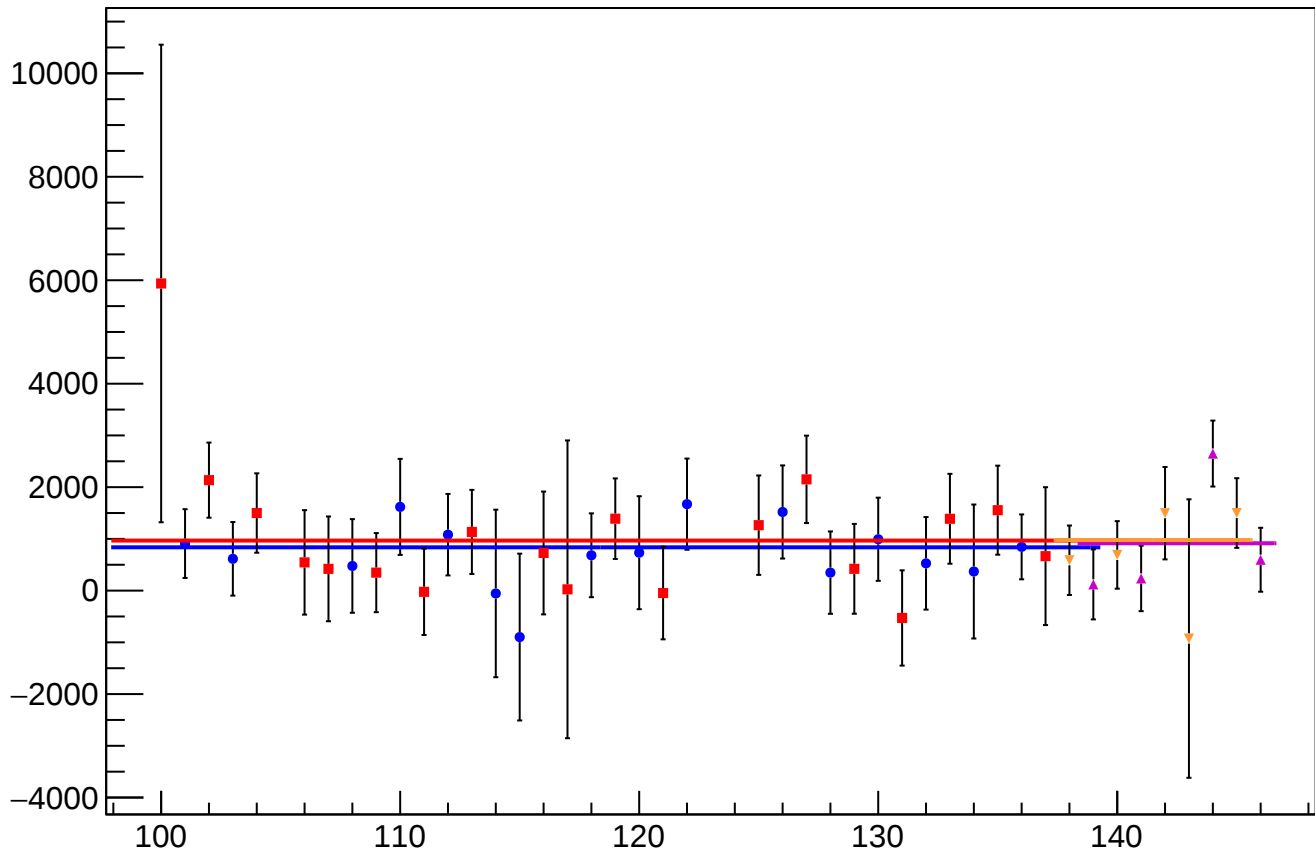
Left In: 138.385 $\pm$ 0.054 χ^2 /NDF: 9.8/3

123.545 $\pm$ 0.028 χ^2 /NDF: 772924.4/21

126.021 $\pm$ 0.020 χ^2 /NDF: 1415124.8/45

128.590 $\pm$ 0.029 χ^2 /NDF: 626369.7/23

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 977.705 $\pm$ 349.967 χ^2 /NDF:2.0/4

Right Out: 967.277 $\pm$ 212.168 χ^2 /NDF: 14.4/18

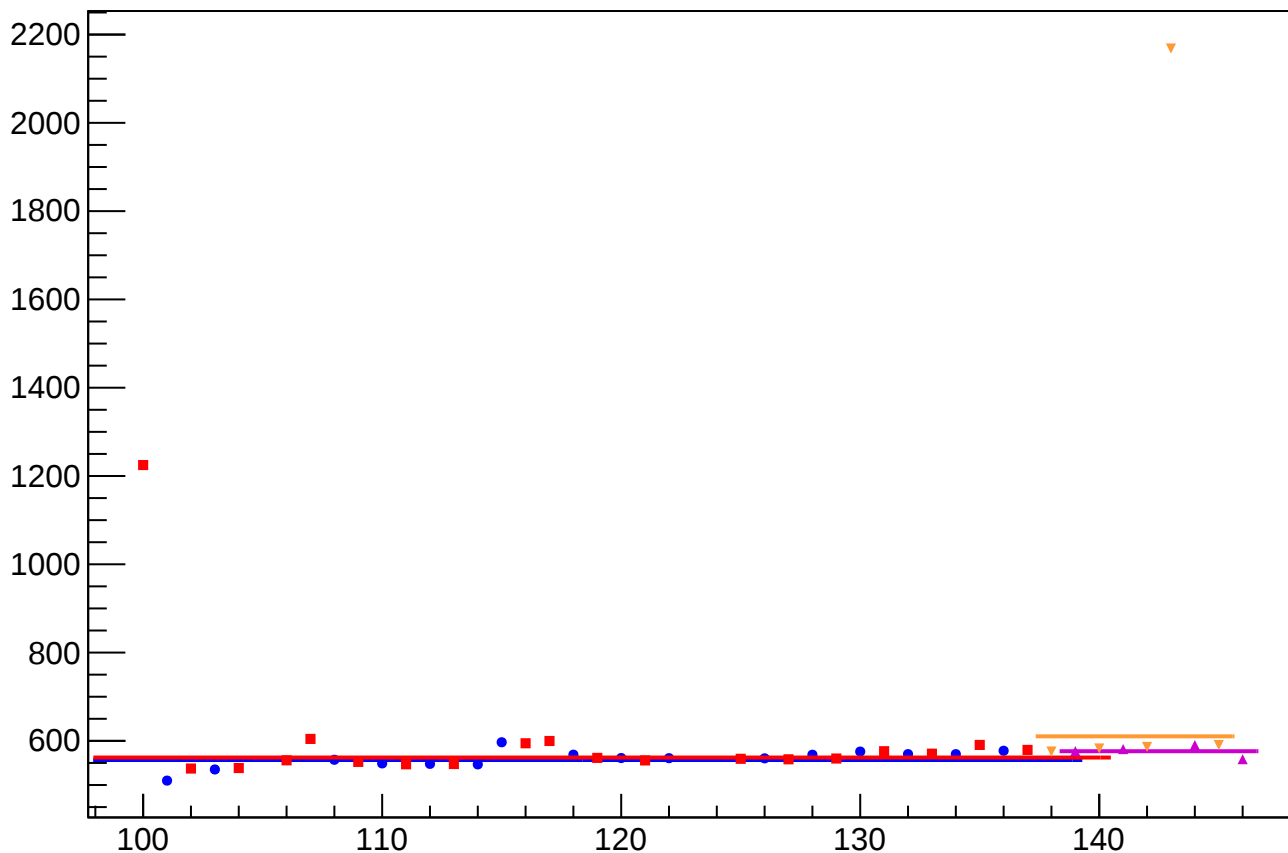
Left In: 915.469 $\pm$ 320.076 χ^2 /NDF:10.2/3

875.896 $\pm$ 183.921 χ^2 /NDF: 6.8/20

915.161 $\pm$ 127.476 χ^2 /NDF: 31.5/43

951.462 $\pm$ 176.844 χ^2 /NDF: 24.6/22

reg_asym_left_avg_rms vs Slug, Sign Corrected



Right In: 556.637+/-0.153 χ^2/NDF : 18391.7/15

Left Out: 610.281+/-0.247 χ^2/NDF : 682073.2/4

Right Out: 562.253+/-0.150 χ^2/NDF : 55916.7/18

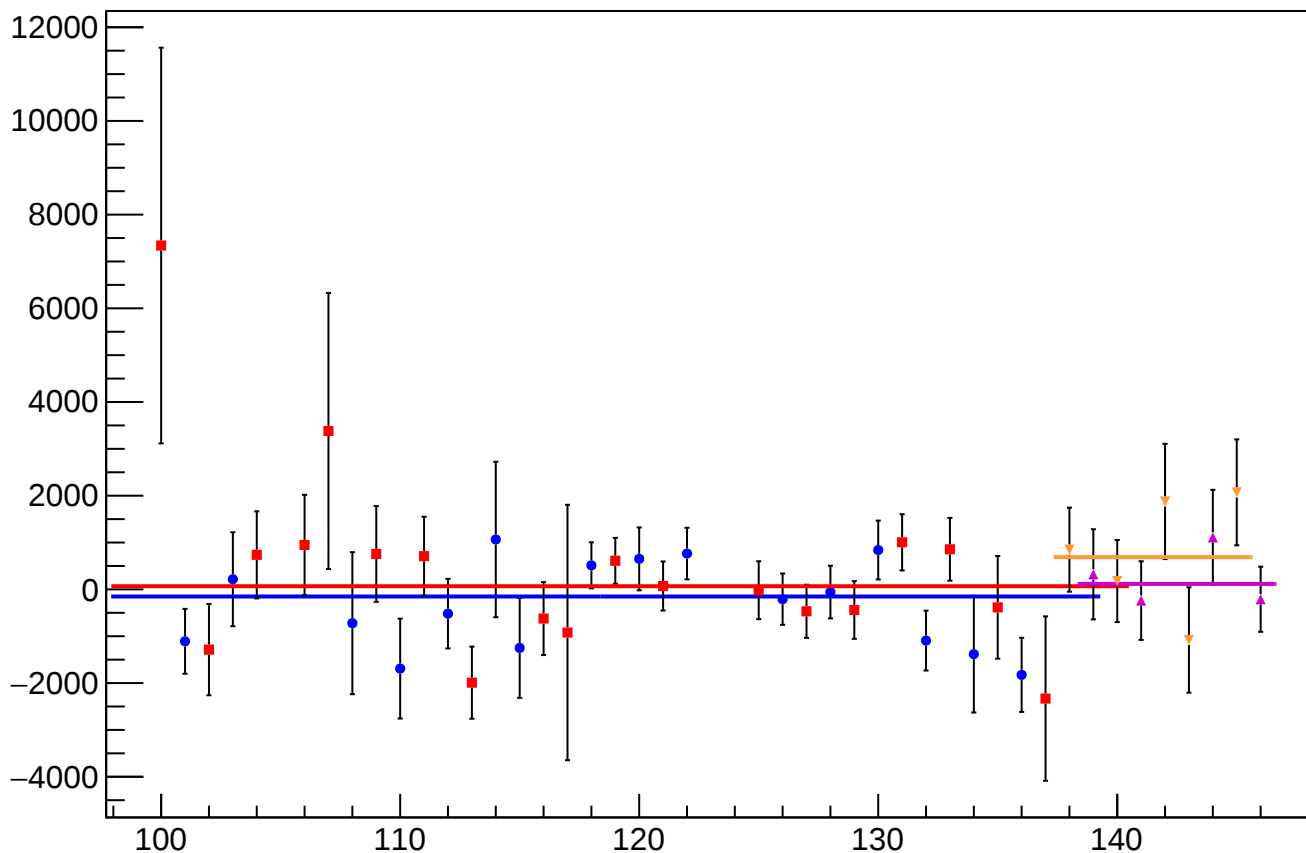
Left In: 576.547+/-0.226 χ^2/NDF : 2786.5/3

571.453+/-0.130 χ^2/NDF : 734477.2/20

568.940+/-0.090 χ^2/NDF : 796670.1/43

566.616+/-0.125 χ^2/NDF : 61474.1/22

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 689.115+/-457.430 χ^2/NDF : 5.3/4

Right Out: 67.516+/-178.283 χ^2/NDF : 25.1/18

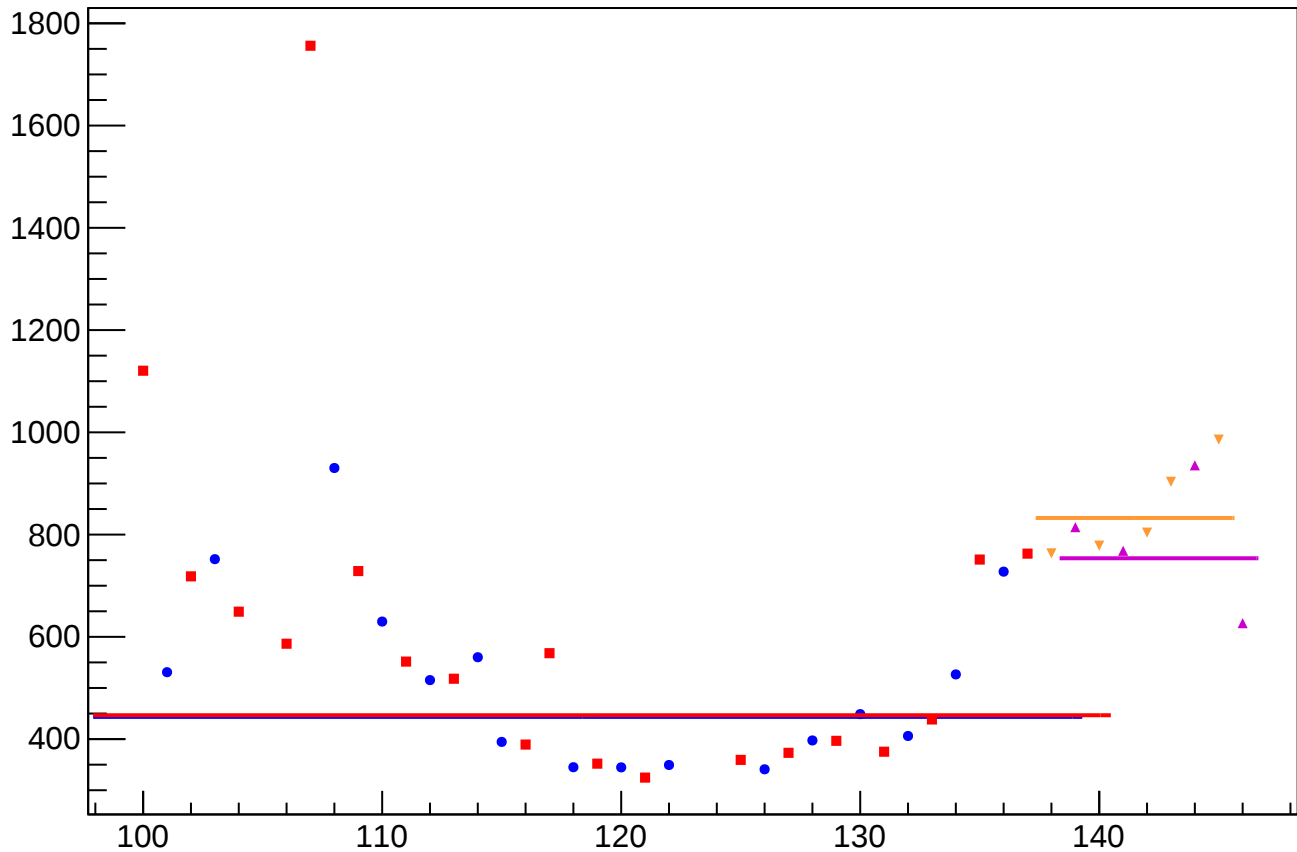
Left In: 117.134+/-424.933 χ^2/NDF : 1.4/3

-39.029+/-167.561 χ^2/NDF : 30.5/20

19.042+/-117.350 χ^2/NDF : 57.3/43

74.943+/-164.400 χ^2/NDF : 26.6/22

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 832.513+/-0.323 χ^2/NDF : 65239.7/4

Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

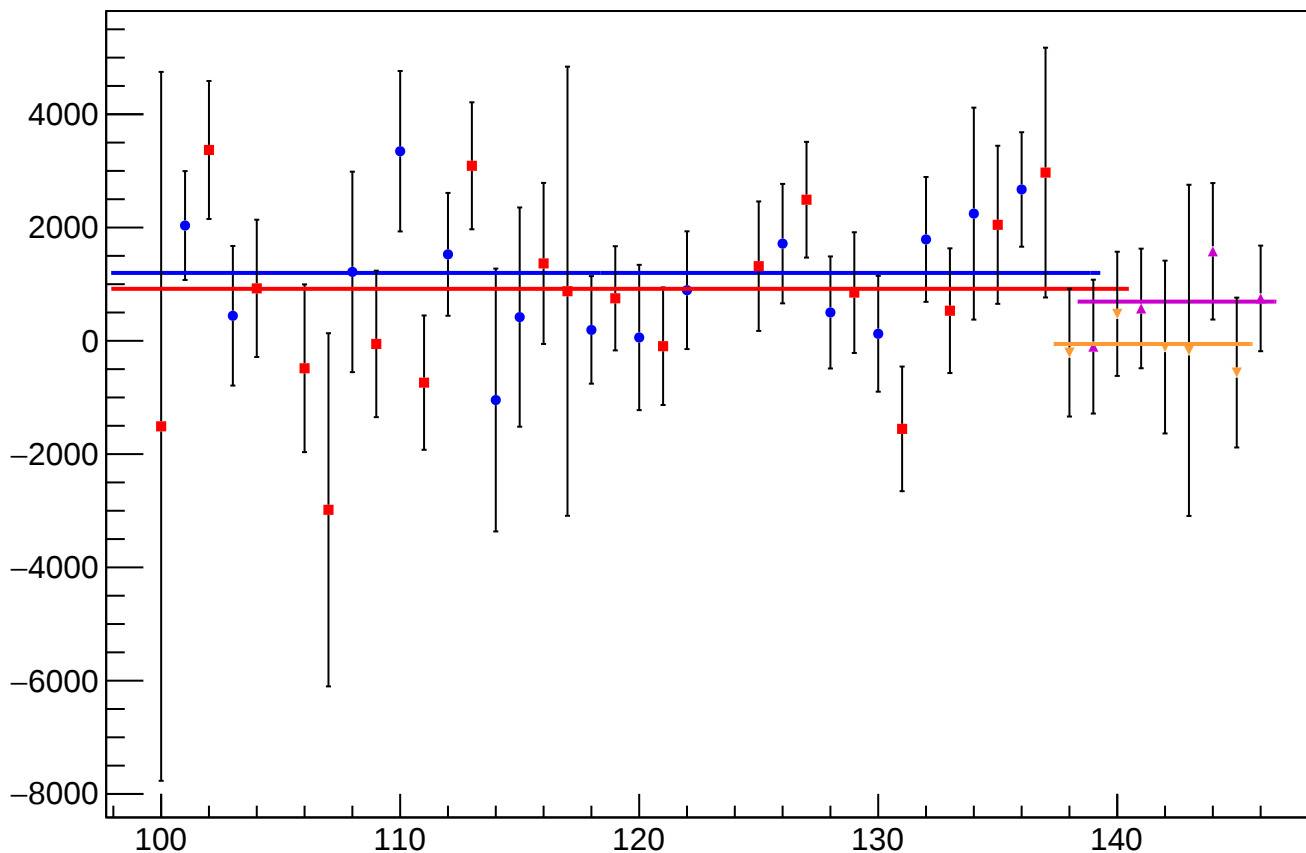
Left In: 753.674+/-0.300 χ^2/NDF : 139353.9/3

495.657+/-0.118 χ^2/NDF : 2378874.5/20

494.110+/-0.083 χ^2/NDF : 4870233.0/43

492.621+/-0.116 χ^2/NDF : 2491023.9/22

asym_left_avg_mean vs Slug, Sign Corrected



Right In: 1198.972 $\pm$ 295.243 χ^2 /NDF: 11.2/15

Left Out: -56.282 $\pm$ 604.519 χ^2 /NDF: 0.4/4

Right Out: 918.180 $\pm$ 292.495 χ^2 /NDF: 23.2/18

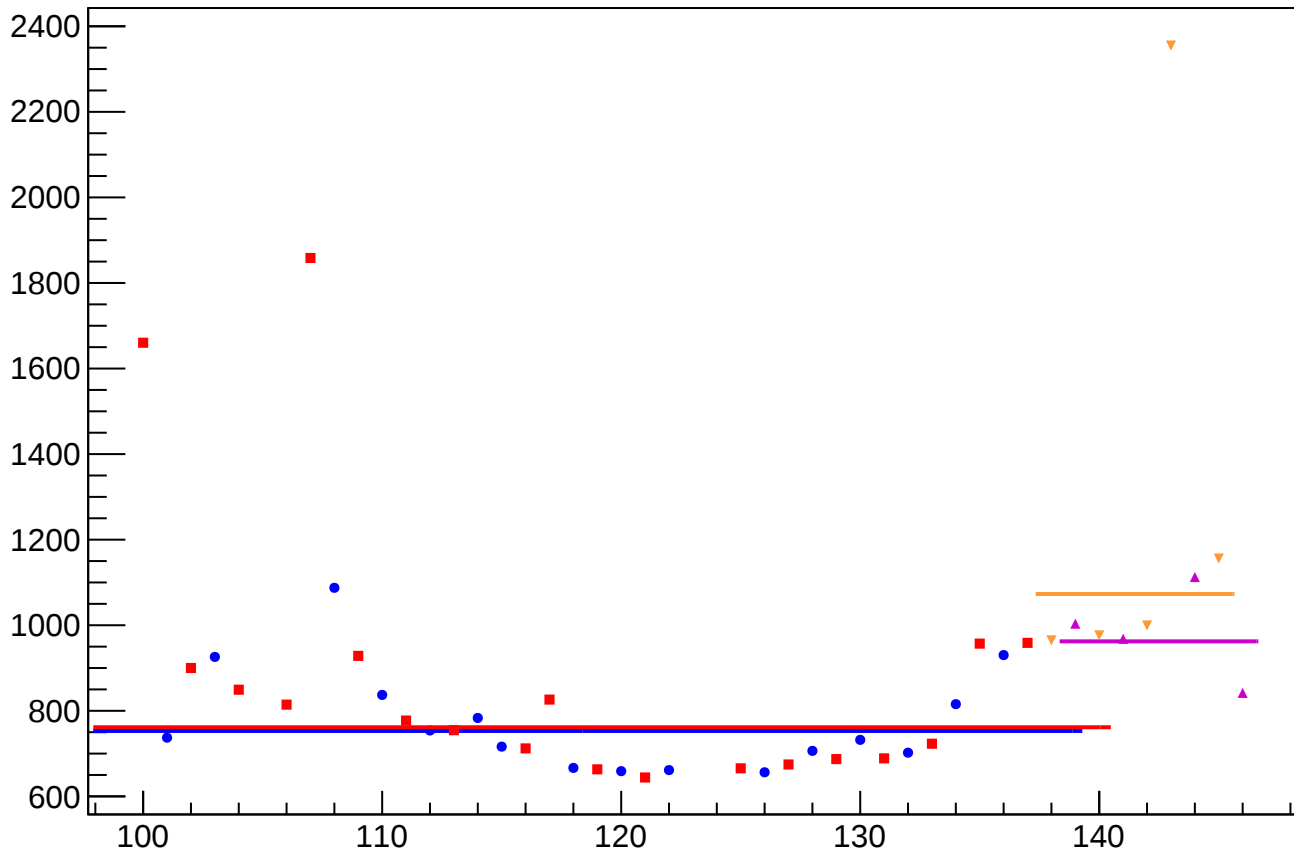
Left In: 692.149 $\pm$ 538.130 χ^2 /NDF: 1.0/3

957.223 $\pm$ 265.293 χ^2 /NDF: 15.1/20

910.487 $\pm$ 184.584 χ^2 /NDF: 39.5/43

866.631 $\pm$ 256.987 χ^2 /NDF: 24.4/22

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 1073.060 $\pm$ 0.427 χ^2 /NDF: 431028.3/4

Right Out: 761.514 $\pm$ 0.207 χ^2 /NDF: 517672.2/18

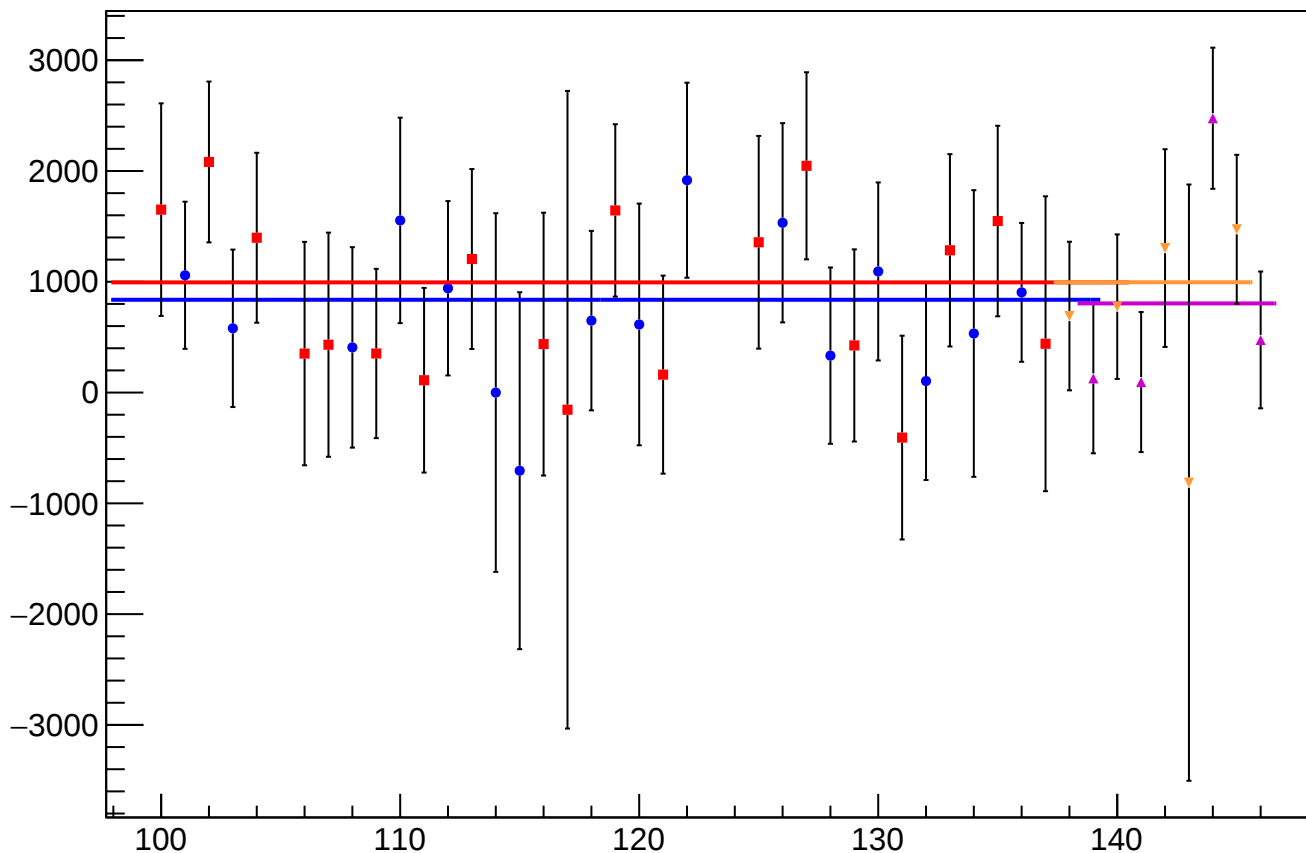
Left In: 962.323 $\pm$ 0.381 χ^2 /NDF: 67054.9/3

814.590 $\pm$ 0.188 χ^2 /NDF: 1136386.4/20

810.834 $\pm$ 0.131 χ^2 /NDF: 1936873.1/43

807.310 $\pm$ 0.182 χ^2 /NDF: 799709.9/22

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 995.674 ± 349.640 χ^2/NDF : 1.4/4

Right Out: 994.626 ± 207.208 χ^2/NDF : 12.7/18

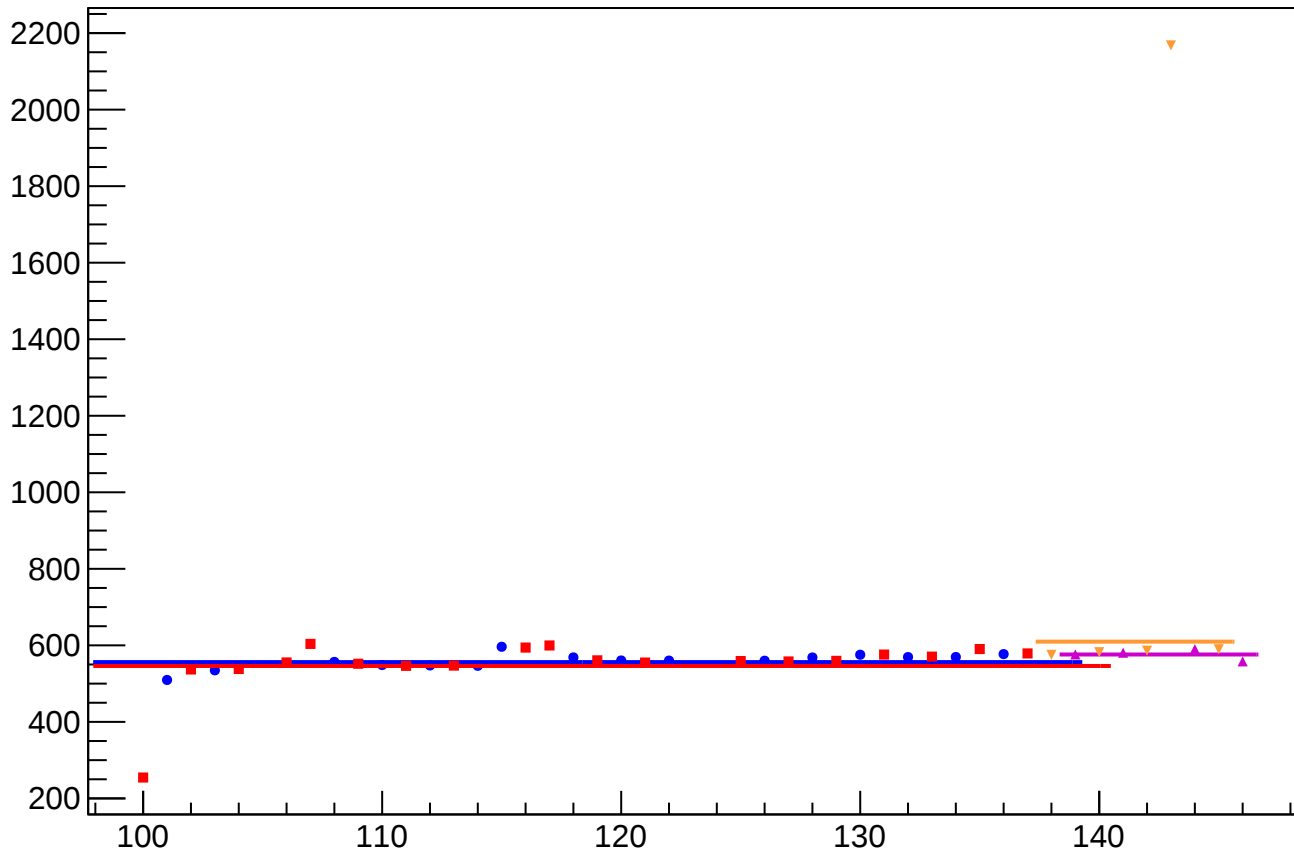
Left In: 804.612 ± 319.840 χ^2/NDF : 9.4/3

881.238 ± 183.771 χ^2/NDF : 7.3/20

911.422 ± 126.313 χ^2/NDF : 29.7/43

938.452 ± 173.903 χ^2/NDF : 22.4/22

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 609.691 $\pm$ 0.247 χ^2 /NDF: 682439.1/4

Right Out: 546.124 $\pm$ 0.147 χ^2 /NDF: 208336.6/18

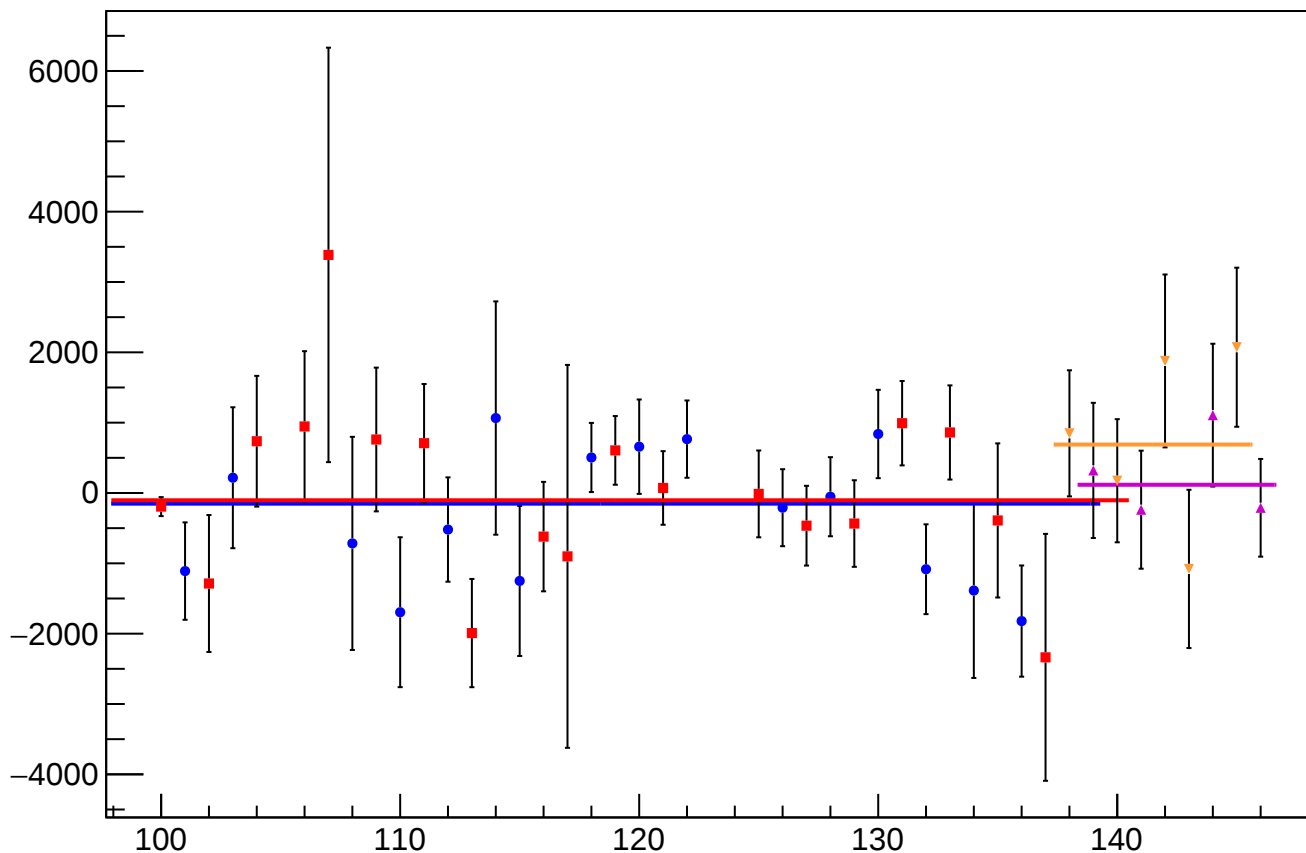
Left In: 576.122 $\pm$ 0.226 χ^2 /NDF: 2783.4/3

570.985 $\pm$ 0.130 χ^2 /NDF: 734723.2/20

562.547 $\pm$ 0.089 χ^2 /NDF: 966226.5/43

554.992 $\pm$ 0.123 χ^2 /NDF: 223512.3/22

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 688.756+/-457.273 χ^2/NDF : 5.3/4

Right Out: -103.328+/-107.623 χ^2/NDF : 23.3/18

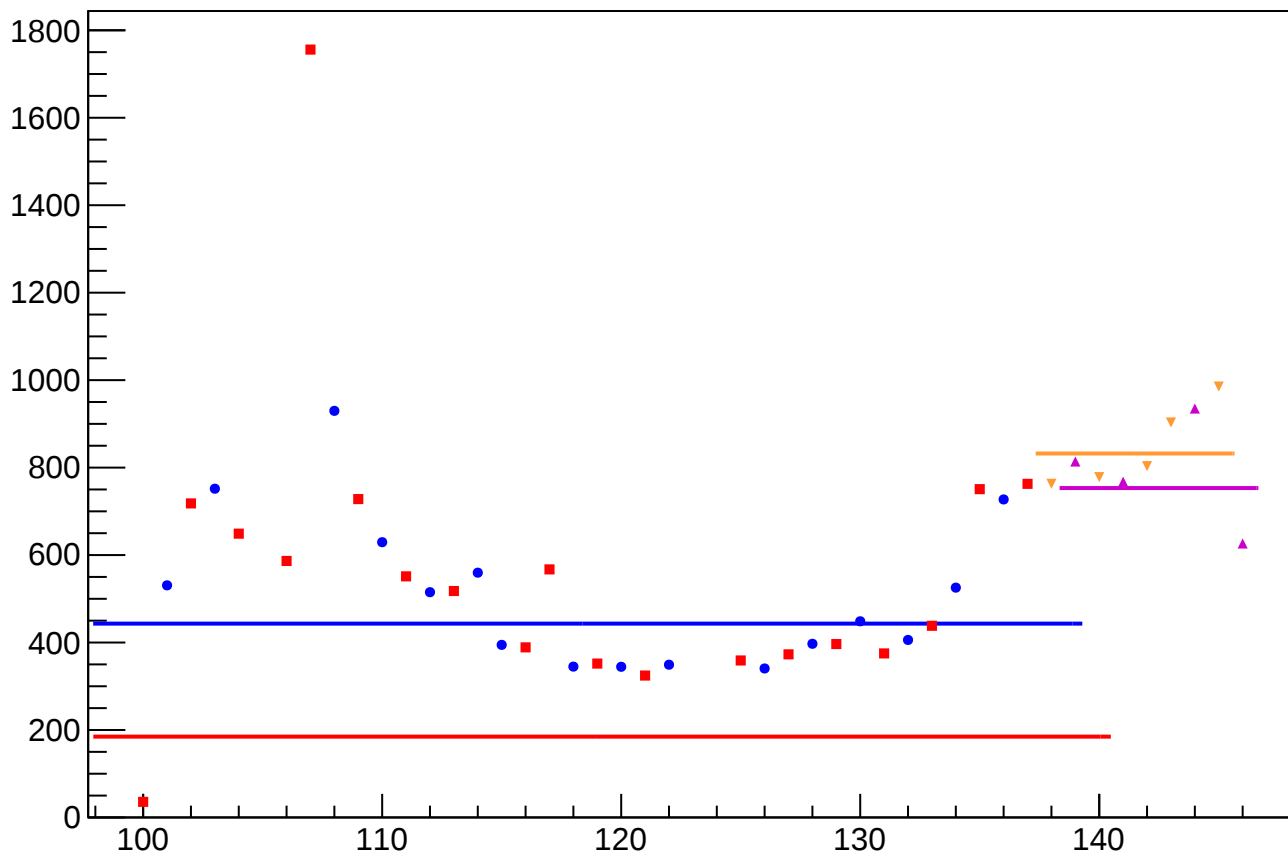
Left In: 116.849+/-424.695 χ^2/NDF : 1.4/3

-38.744+/-167.483 χ^2/NDF : 30.5/20

-75.702+/-88.551 χ^2/NDF : 55.5/43

-90.042+/-104.325 χ^2/NDF : 25.0/22

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 832.230+/-0.323 χ^2/NDF : 65237.2/4

Right Out: 184.814+/-0.076 χ^2/NDF : 8119311.6/18

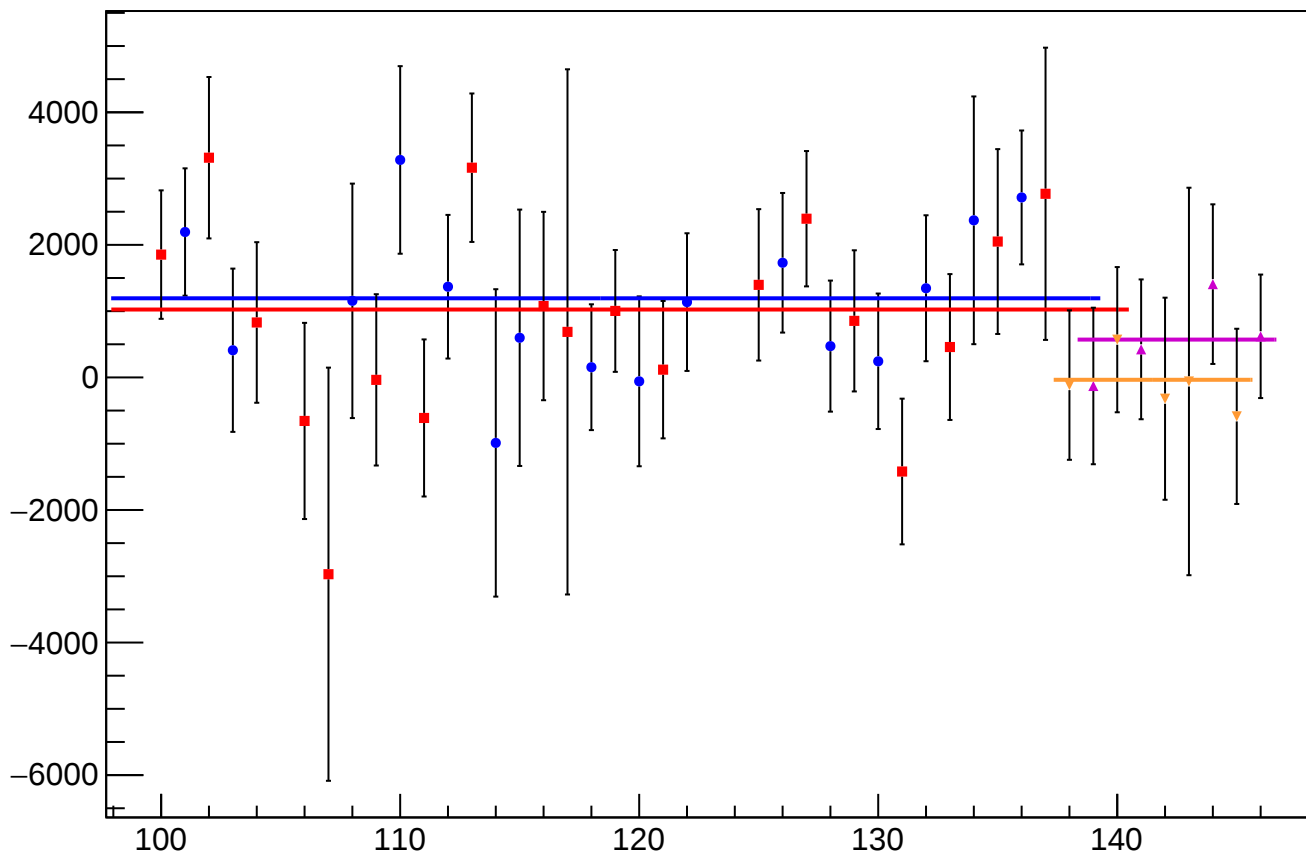
Left In: 753.252+/-0.300 χ^2/NDF : 139321.9/3

495.423+/-0.118 χ^2/NDF : 2379154.3/20

296.355+/-0.063 χ^2/NDF : 17926332.5/43

219.115+/-0.074 χ^2/NDF : 11625392.4/22

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: -35.655 $\pm$ 604.185 χ^2 /NDF: 0.5/4

Right Out: 1024.435 $\pm$ 280.119 χ^2 /NDF: 22.5/18

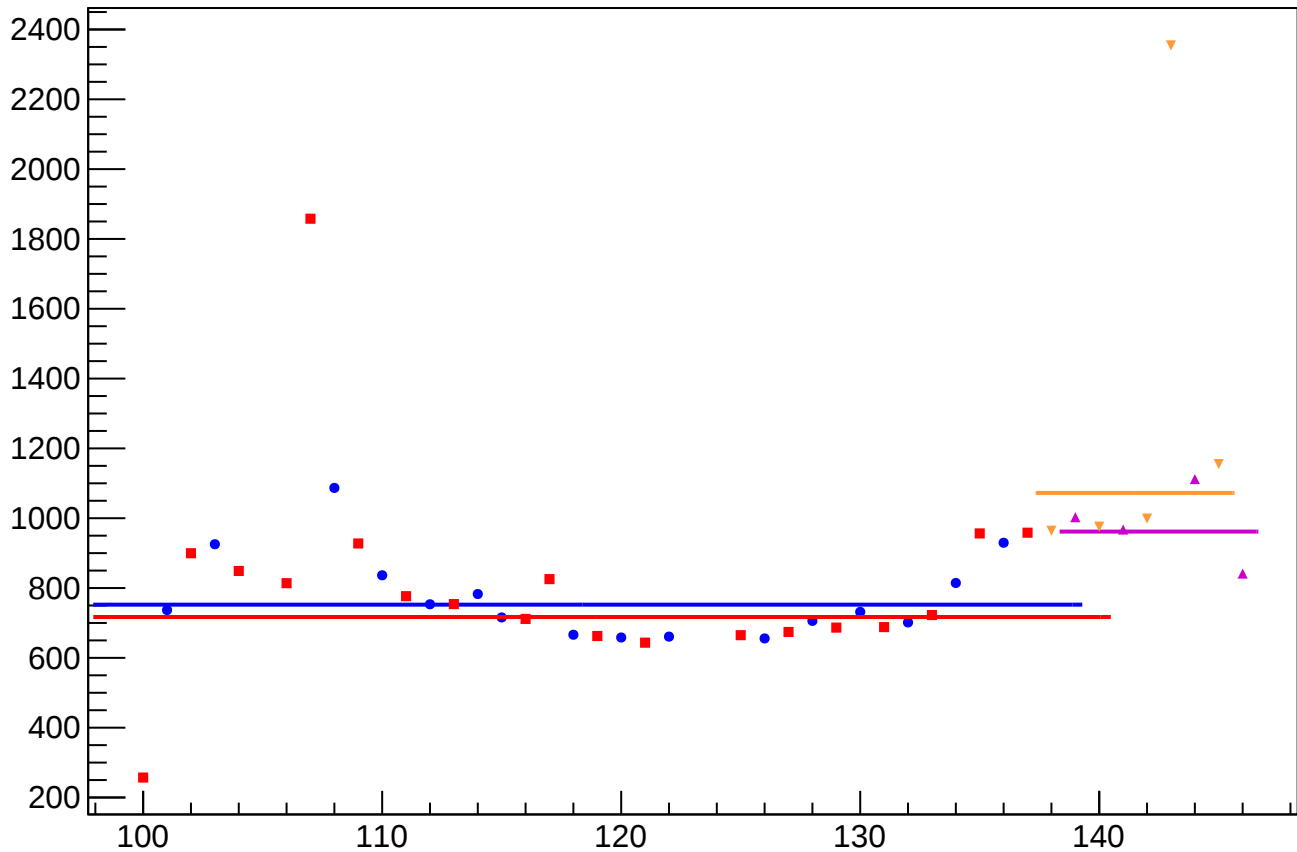
Left In: 570.859 $\pm$ 537.791 χ^2 /NDF: 0.9/3

957.103 $\pm$ 265.122 χ^2 /NDF: 15.0/20

941.415 $\pm$ 181.284 χ^2 /NDF: 39.0/43

927.639 $\pm$ 248.438 χ^2 /NDF: 24.0/22

asym_left_dd_rms vs Slug, Sign Corrected



Right In: 752.429+/-0.209 $\chi^2/\text{NDF}: 252705.1/15$

Left Out: 1072.452+/-0.427 $\chi^2/\text{NDF}: 431201.9/4$

Right Out: 717.067+/-0.198 $\chi^2/\text{NDF}: 968442.7/18$

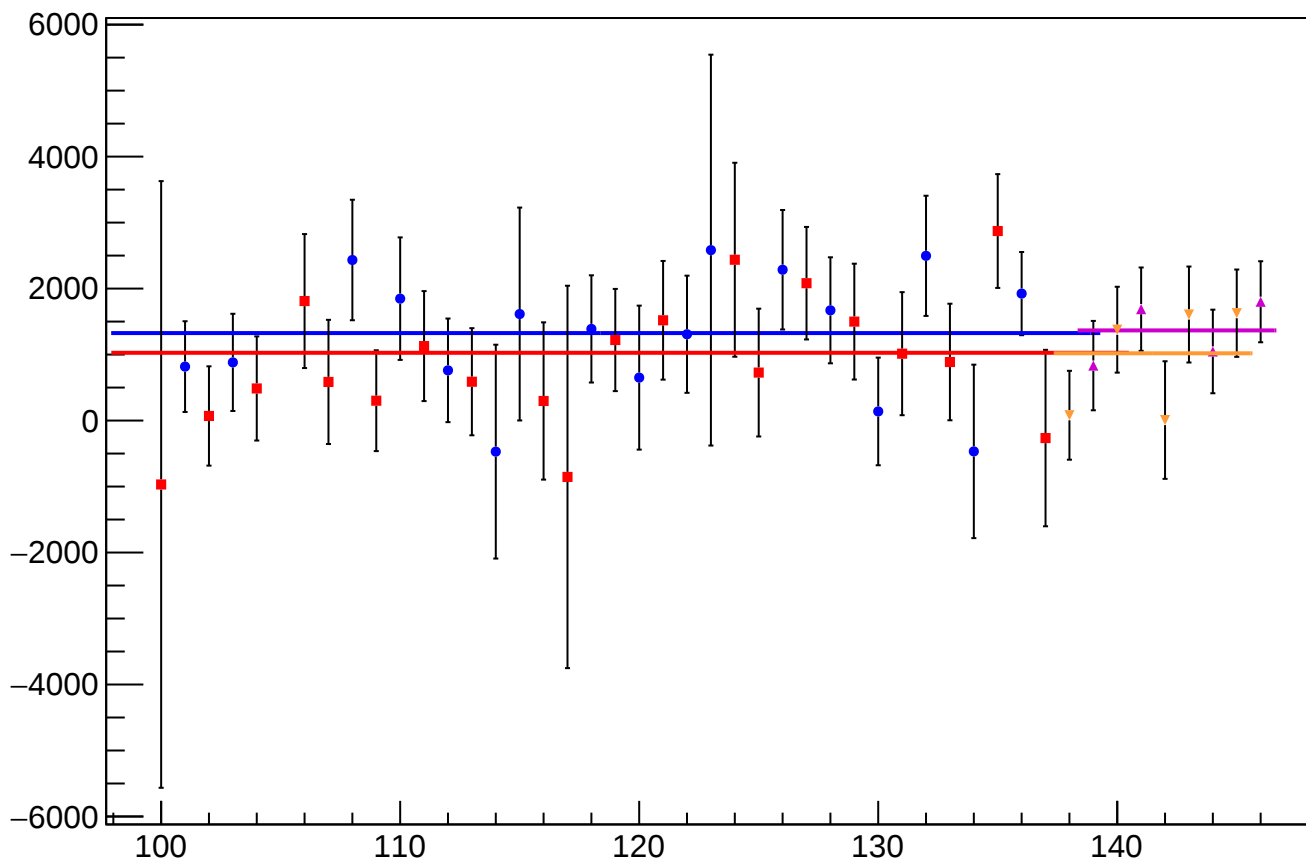
Left In: 961.715+/-0.380 $\chi^2/\text{NDF}: 67036.4/3$

814.050+/-0.187 $\chi^2/\text{NDF}: 1136979.7/20$

790.210+/-0.128 $\chi^2/\text{NDF}: 2528392.5/43$

769.277+/-0.176 $\chi^2/\text{NDF}: 1361041.5/22$

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1019.253 $\pm$ 316.181 χ^2 /NDF: 5.0/4

Right Out: 1026.996 $\pm$ 211.021 χ^2 /NDF: 13.8/19

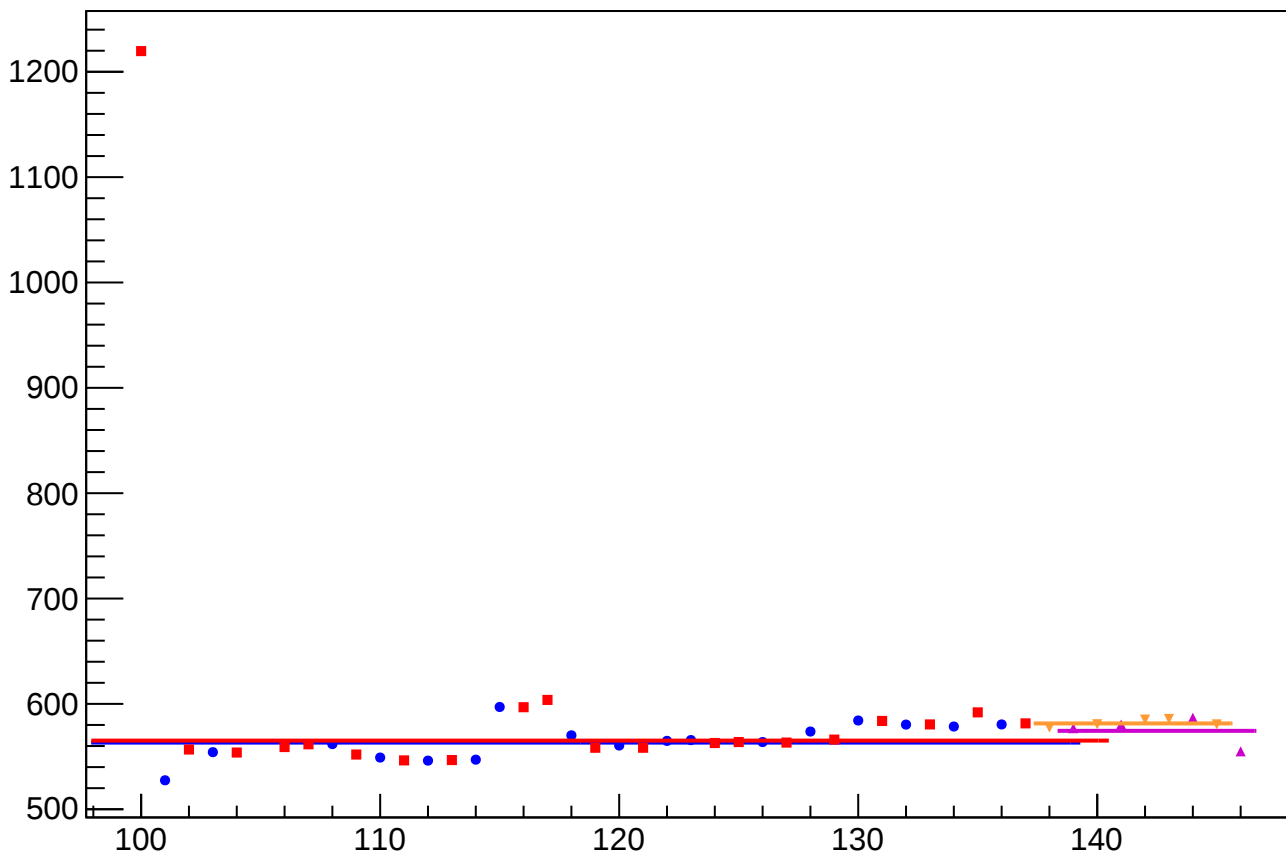
Left In: 1366.184 $\pm$ 318.894 χ^2 /NDF: 1.6/3

1226.946 $\pm$ 179.534 χ^2 /NDF: 18.6/21

1177.652 $\pm$ 125.674 χ^2 /NDF: 35.0/45

1130.290 $\pm$ 175.980 χ^2 /NDF: 16.3/23

reg_asym_right_avg_rms vs Slug, Sign Corrected



Right In: 563.266+/-0.154 χ^2/NDF : 12520.3/16

Left Out: 581.439+/-0.224 χ^2/NDF : 178.7/4

Right Out: 565.150+/-0.149 χ^2/NDF : 49653.1/19

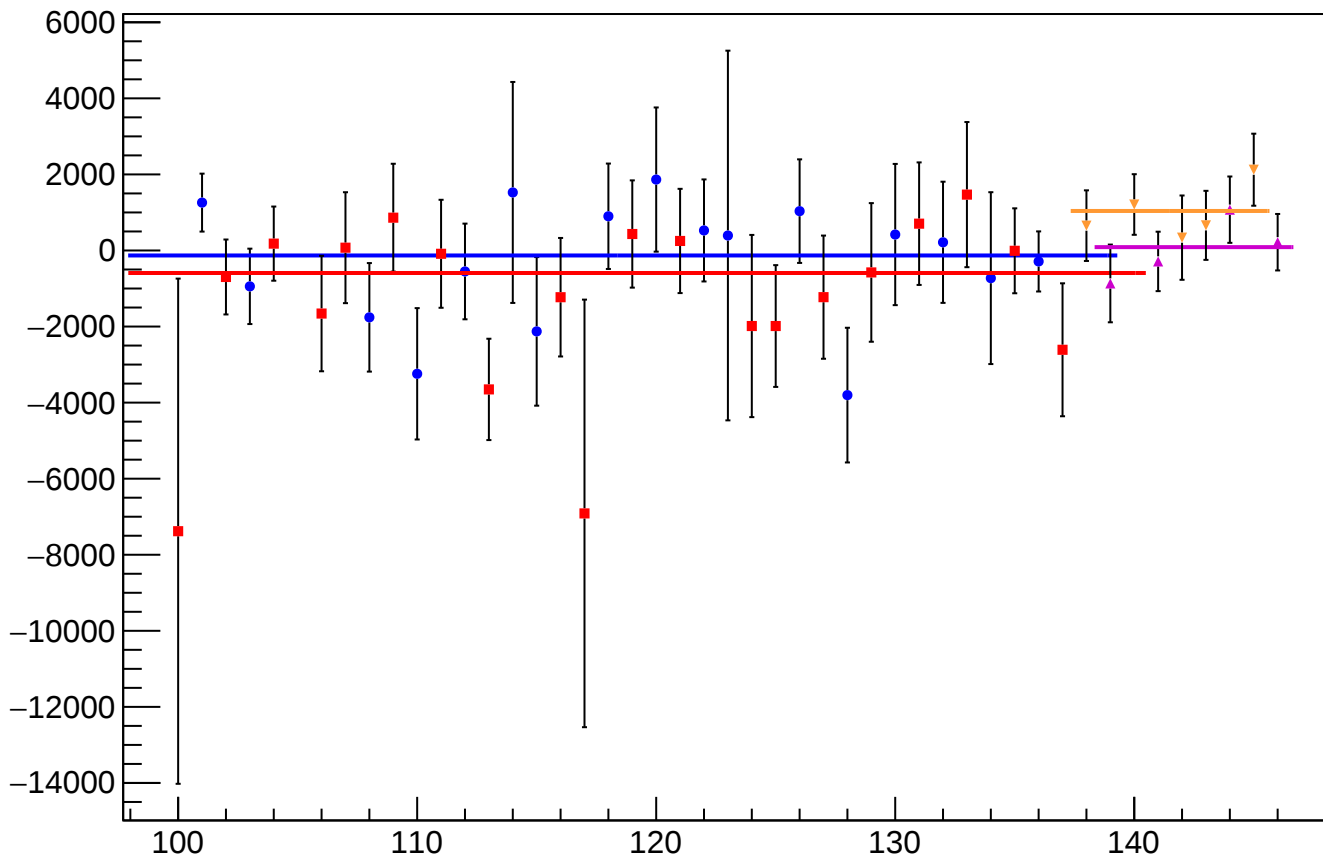
Left In: 574.410+/-0.225 χ^2/NDF : 2982.8/3

569.125+/-0.127 χ^2/NDF : 17176.2/21

568.536+/-0.089 χ^2/NDF : 71027.0/45

567.970+/-0.124 χ^2/NDF : 53808.7/23

asym_right_avg_correction_mean vs Slug, Sign Corrected



Right In: -131.097 $\pm$ 327.588 χ^2 /NDF: 17.2/16

Left Out: 1038.922 $\pm$ 412.447 χ^2 /NDF: 2.1/4

Right Out: -591.948 $\pm$ 331.825 χ^2 /NDF: 15.9/19

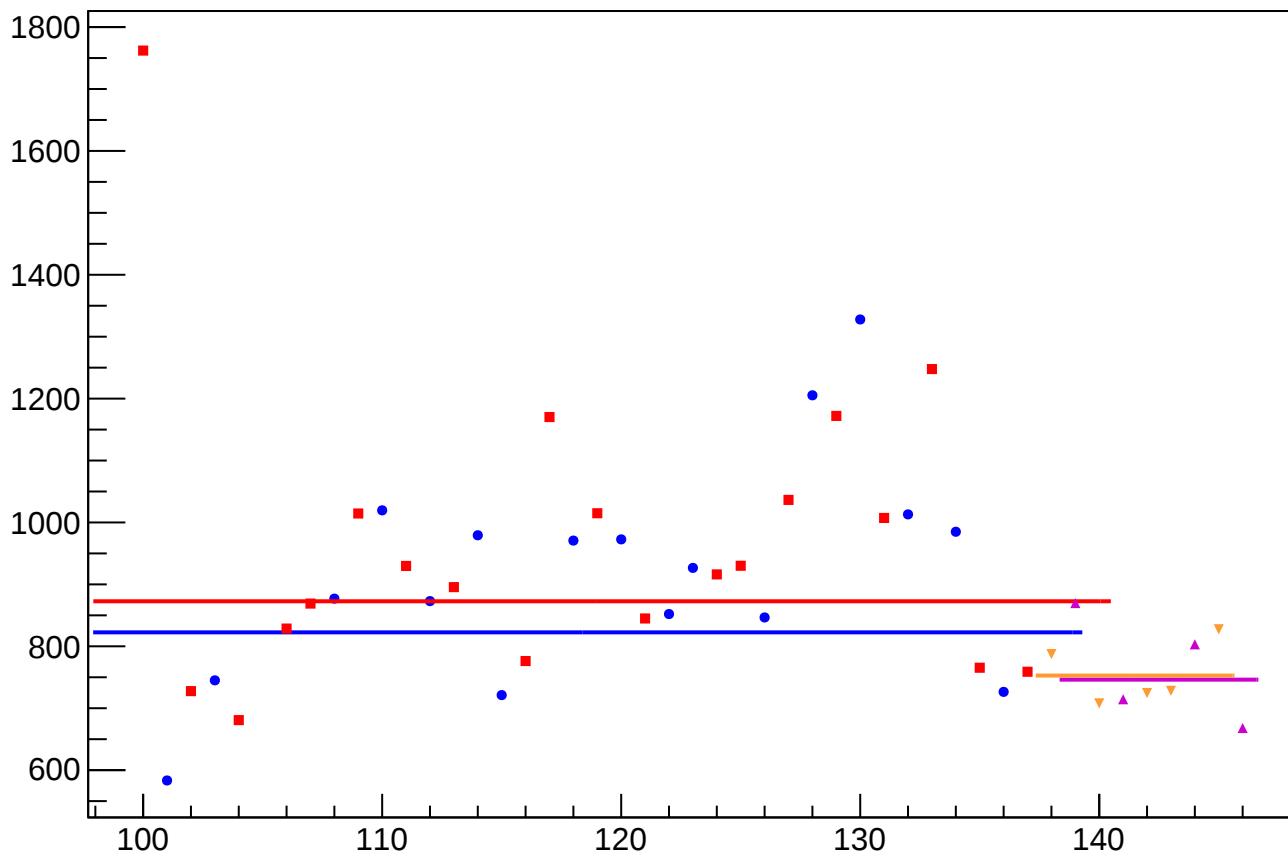
Left In: 88.164 $\pm$ 417.963 χ^2 /NDF: 2.4/3

321.489 $\pm$ 256.520 χ^2 /NDF: 24.3/21

0.474 $\pm$ 182.564 χ^2 /NDF: 47.3/45

-329.008 $\pm$ 259.882 χ^2 /NDF: 19.9/23

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 752.758+/-0.292 χ^2/NDF : 24376.1/4

Right Out: 872.719+/-0.235 χ^2/NDF : 412481.2/19

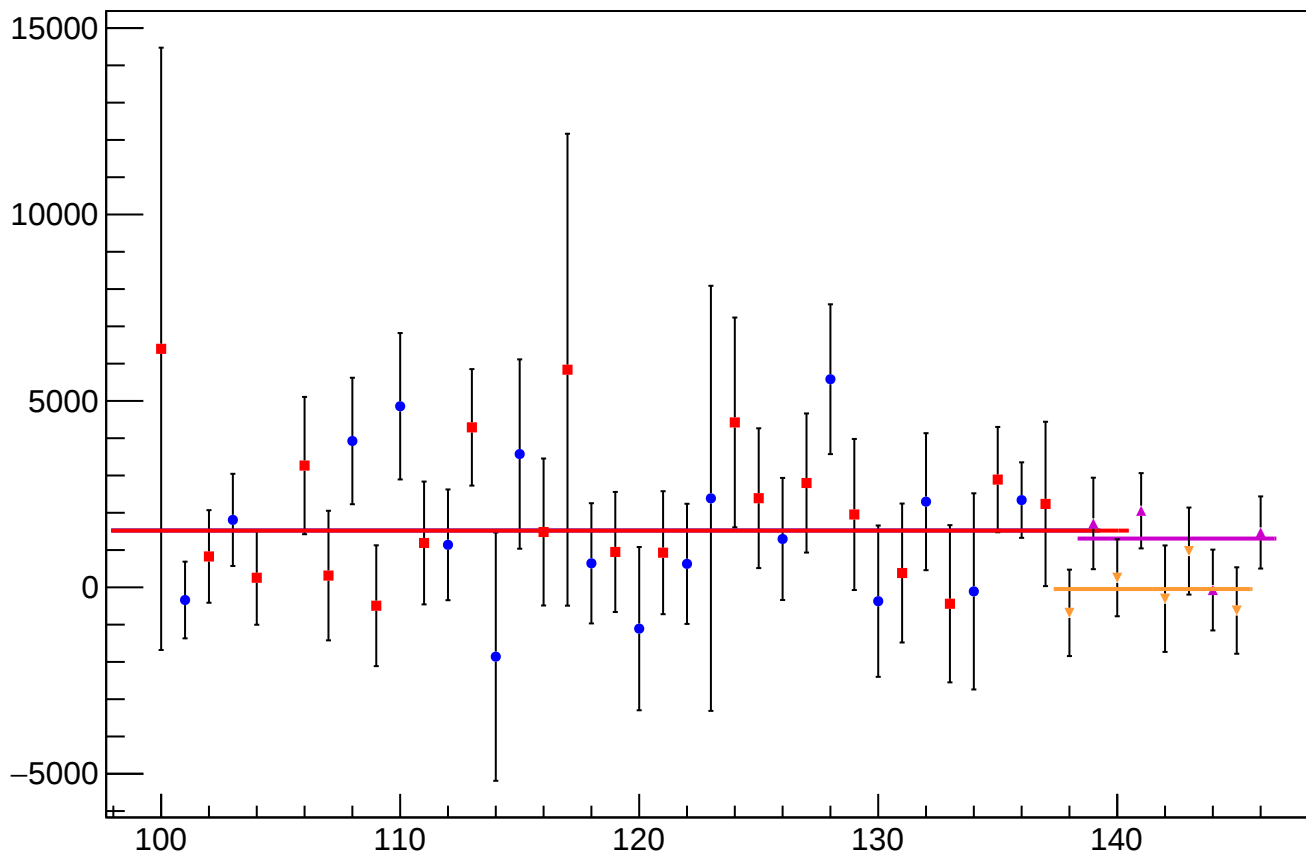
Left In: 746.146+/-0.296 χ^2/NDF : 63261.0/3

795.539+/-0.181 χ^2/NDF : 660423.6/21

809.478+/-0.129 χ^2/NDF : 1260637.8/45

823.784+/-0.184 χ^2/NDF : 588247.9/23

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: -45.560 $\pm$ 523.427 χ^2 /NDF: 1.4/4

Right Out: 1521.641 $\pm$ 399.157 χ^2 /NDF: 12.6/19

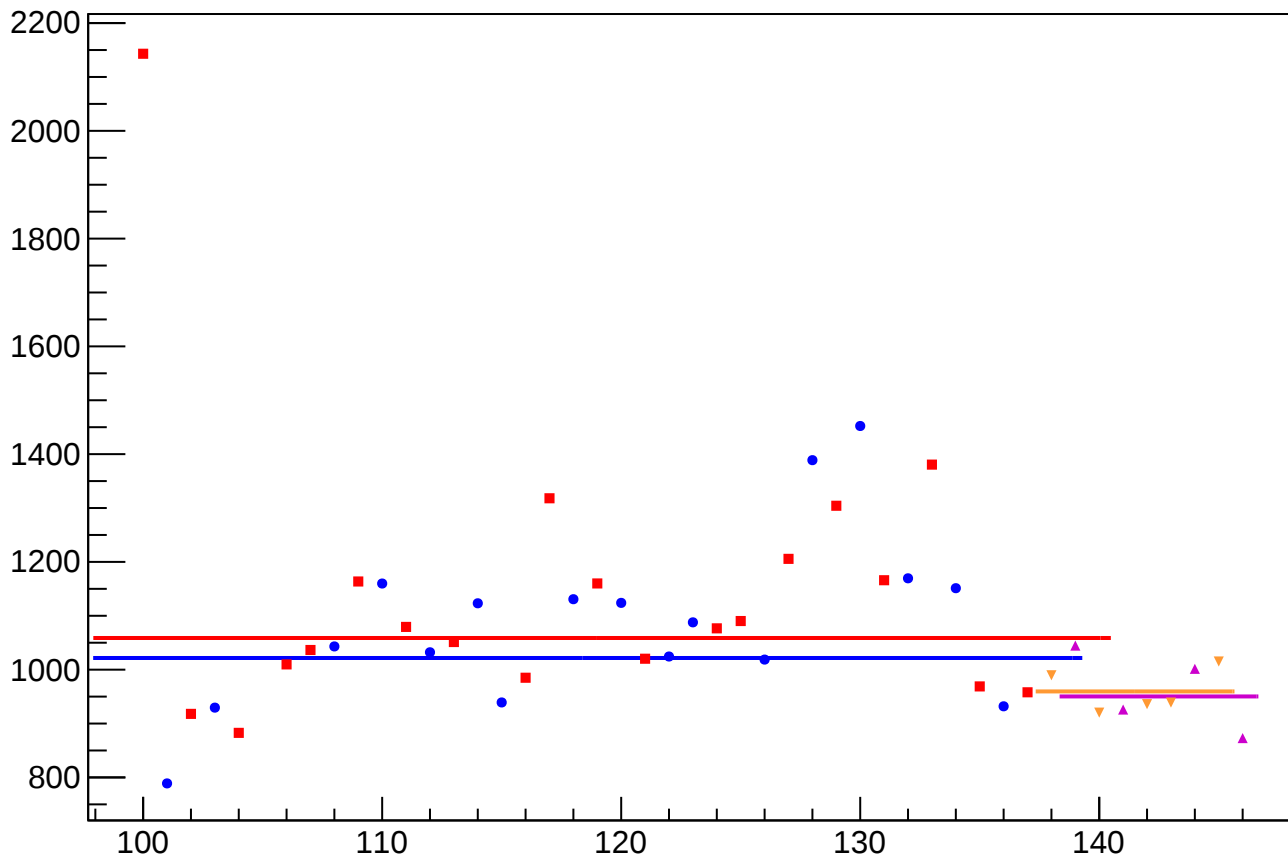
Left In: 1308.436 $\pm$ 529.578 χ^2 /NDF: 2.3/3

942.999 $\pm$ 318.714 χ^2 /NDF: 25.3/21

1193.668 $\pm$ 225.379 χ^2 /NDF: 41.6/45

1444.400 $\pm$ 318.754 χ^2 /NDF: 15.0/23

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 959.605 +/- 0.370 χ^2/NDF : 10010.6/4

Right Out: 1058.783 +/- 0.282 χ^2/NDF : 234314.8/19

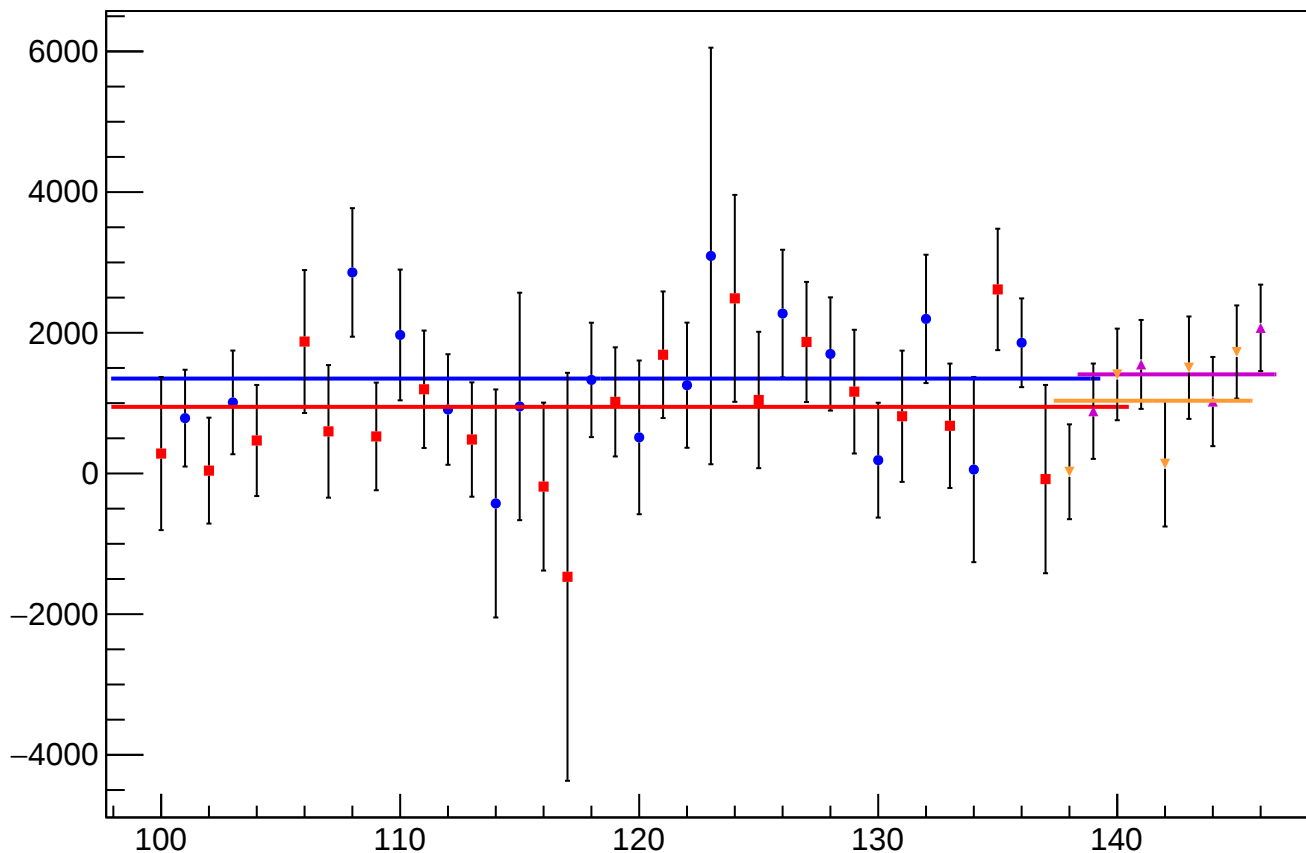
Left In: 950.293 +/- 0.374 χ^2/NDF : 30240.7/3

998.656 +/- 0.225 χ^2/NDF : 359650.8/21

1009.066 +/- 0.159 χ^2/NDF : 682001.4/45

1019.479 +/- 0.225 χ^2/NDF : 318082.6/23

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1034.219 $\pm$ 316.522 χ^2 /NDF: 5.1/4

Right Out: 947.051 $\pm$ 207.609 χ^2 /NDF: 12.9/19

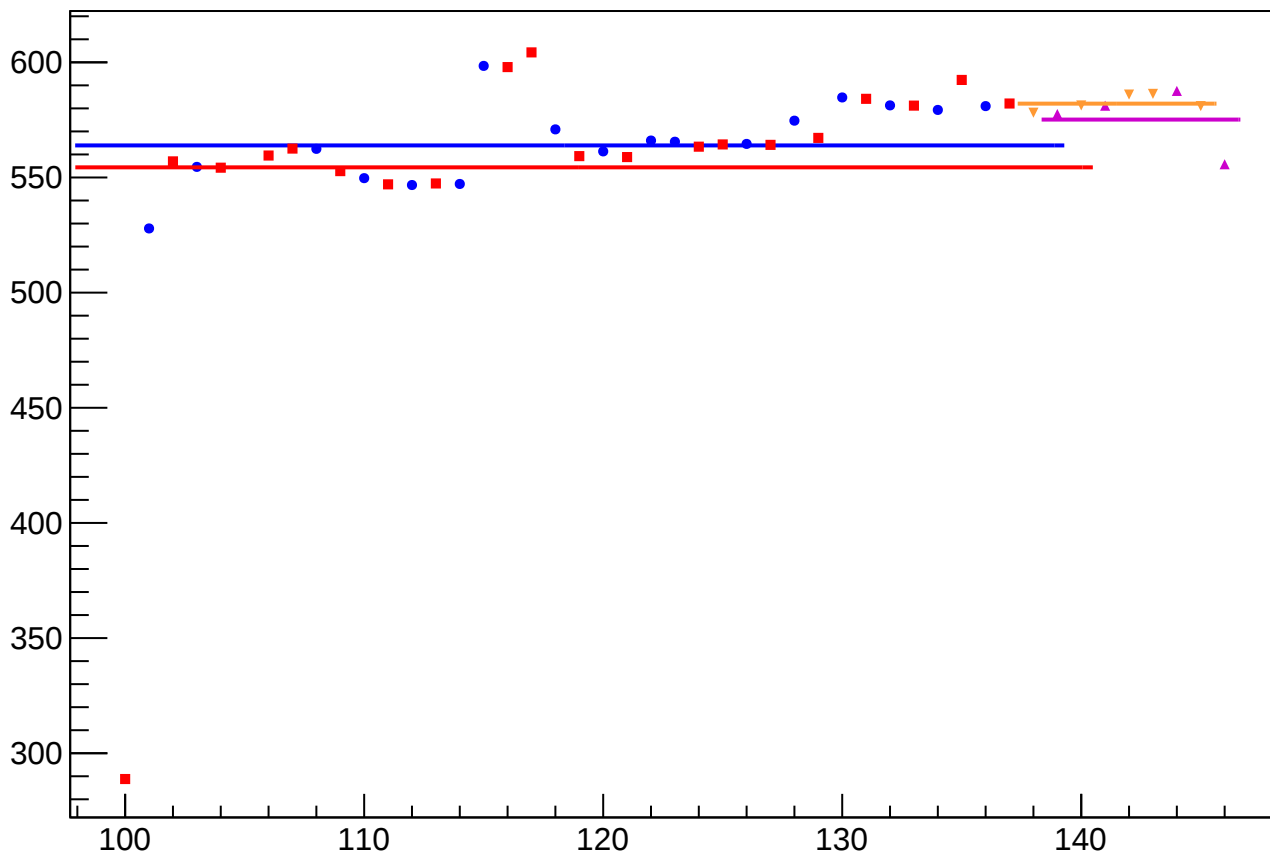
Left In: 1408.950 $\pm$ 319.301 χ^2 /NDF: 2.2/3

1247.600 $\pm$ 179.739 χ^2 /NDF: 18.1/21

1163.326 $\pm$ 125.036 χ^2 /NDF: 35.1/45

1084.299 $\pm$ 174.052 χ^2 /NDF: 16.6/23

reg_asym_right_dd_rms vs Slug, Sign Corrected



Right In: 563.922 ± 0.154 χ^2/NDF : 12663.1/16

Left Out: 582.064 ± 0.224 χ^2/NDF : 183.2/4

Right Out: 554.402 ± 0.147 χ^2/NDF : 132560.6/19

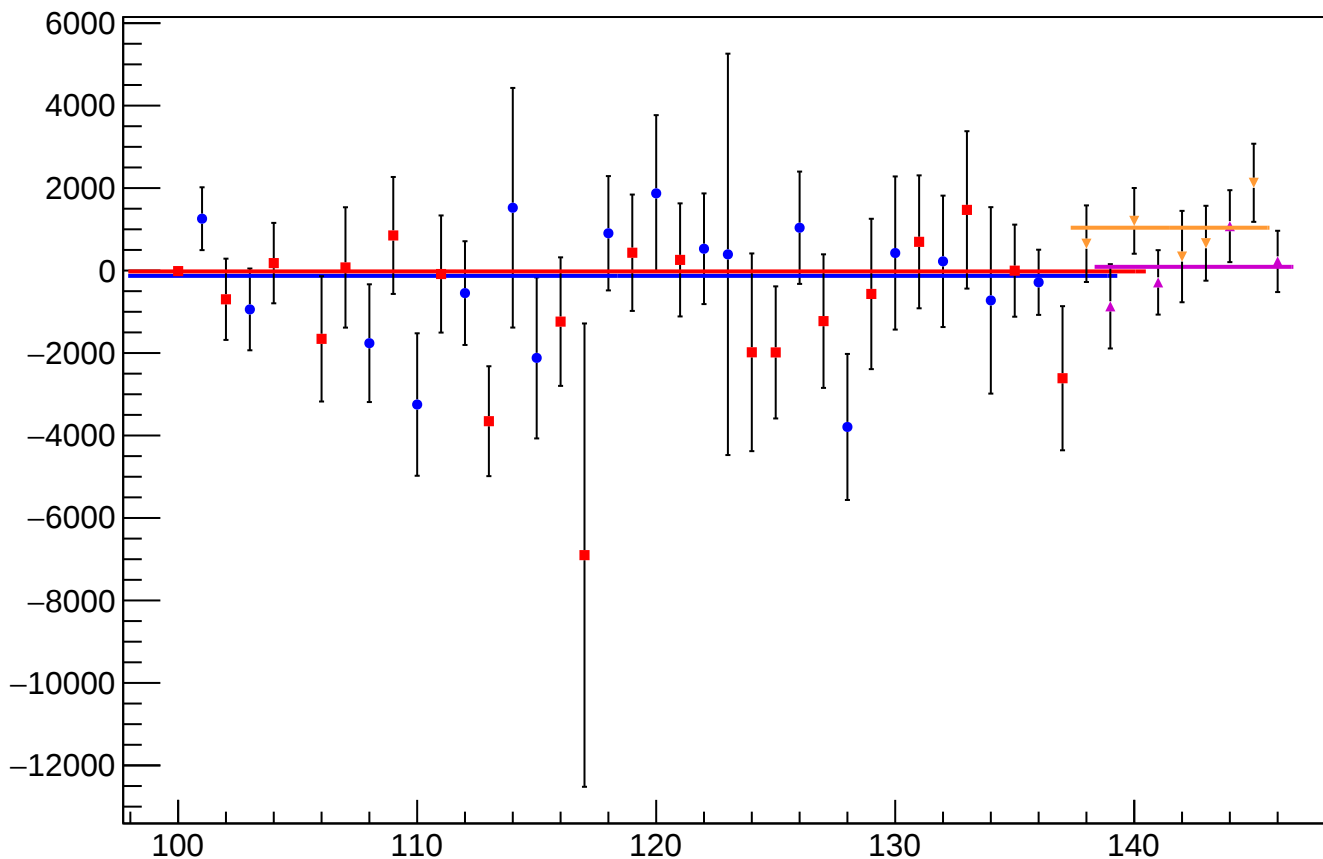
Left In: 575.143 ± 0.226 χ^2/NDF : 2968.4/3

569.772 ± 0.127 χ^2/NDF : 17297.8/21

565.021 ± 0.088 χ^2/NDF : 161466.8/45

560.565 ± 0.123 χ^2/NDF : 141460.4/23

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 1038.943+/-412.588 χ^2/NDF : 2.1/4

Right Out: -20.715+/-38.953 χ^2/NDF : 17.6/19

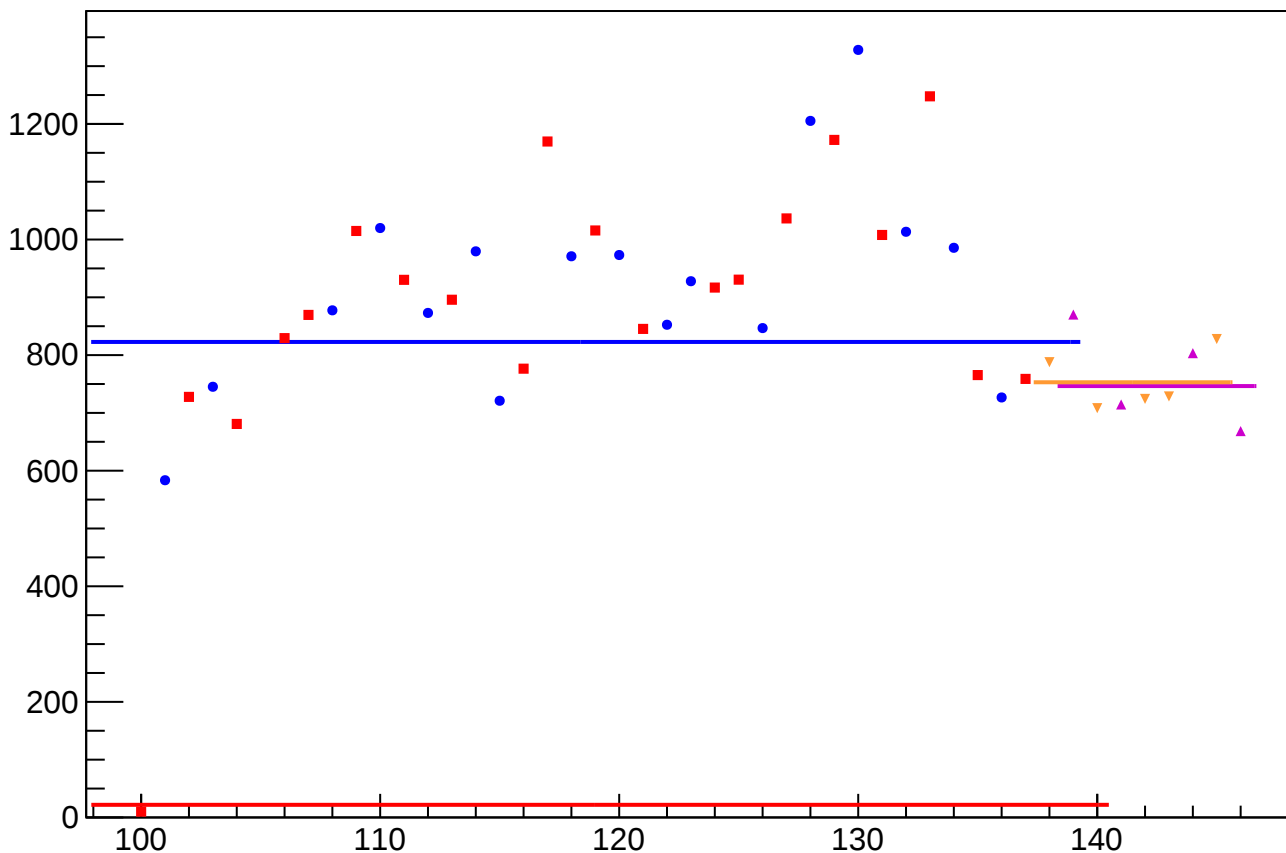
Left In: 90.264+/-418.126 χ^2/NDF : 2.4/3

322.931+/-256.602 χ^2/NDF : 24.2/21

-12.106+/-38.350 χ^2/NDF : 46.1/45

-19.760+/-38.785 χ^2/NDF : 20.1/23

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 753.005 $\pm$ 0.292 χ^2 /NDF:24410.2/4

Right Out: 21.867 $\pm$ 0.028 χ^2 /NDF: 13607091.0/19

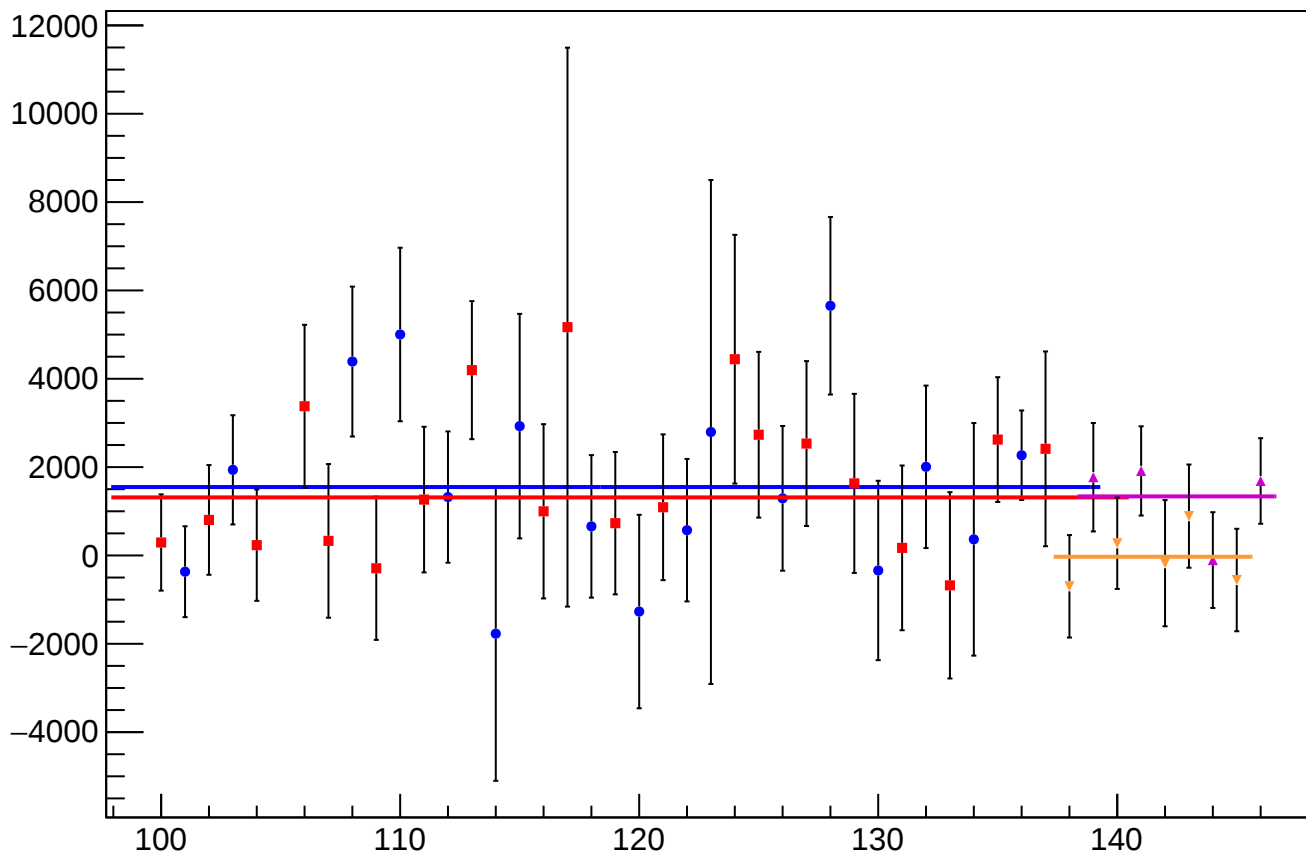
Left In: 746.440 $\pm$ 0.296 χ^2 /NDF:63138.5/3

795.791 $\pm$ 0.181 χ^2 /NDF: 660359.2/21

45.249 $\pm$ 0.027 χ^2 /NDF: 37786055.5/45

28.102 $\pm$ 0.027 χ^2 /NDF: 19624472.7/23

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: -29.548 $\pm$ 523.763 χ^2/NDF : 1.3/4

Right Out: 1314.562 $\pm$ 375.381 χ^2/NDF : 12.9/19

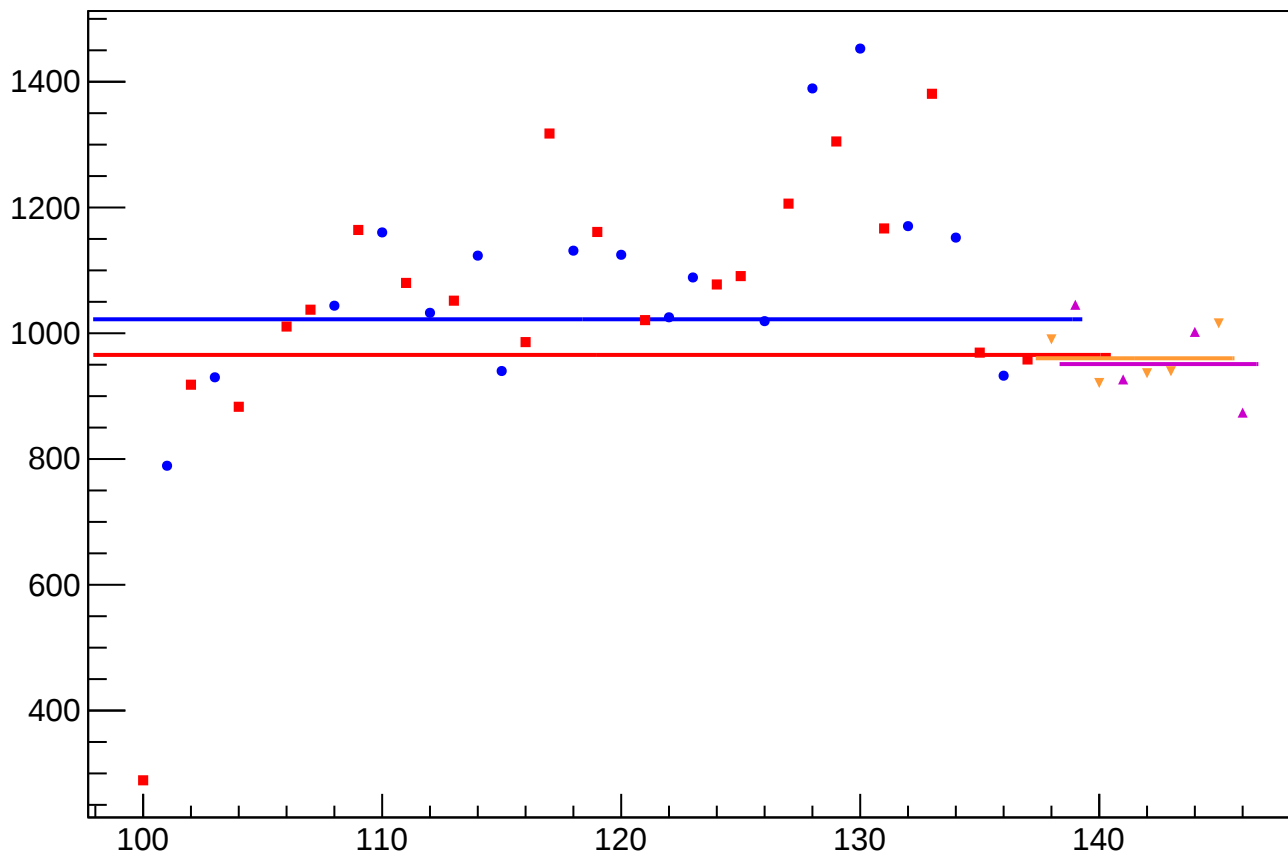
Left In: 1337.116 $\pm$ 529.967 χ^2/NDF : 2.3/3

963.722 $\pm$ 318.902 χ^2/NDF : 25.9/21

1150.117 $\pm$ 220.916 χ^2/NDF : 41.9/45

1322.097 $\pm$ 306.323 χ^2/NDF : 15.3/23

asym_right_dd_rms vs Slug, Sign Corrected



Right In: 1022.241 ± 0.284 $\chi^2/\text{NDF}: 331865.9/16$

Left Out: 960.219 ± 0.370 $\chi^2/\text{NDF}: 9992.2/4$

Right Out: 965.574 ± 0.265 $\chi^2/\text{NDF}: 1073497.1/19$

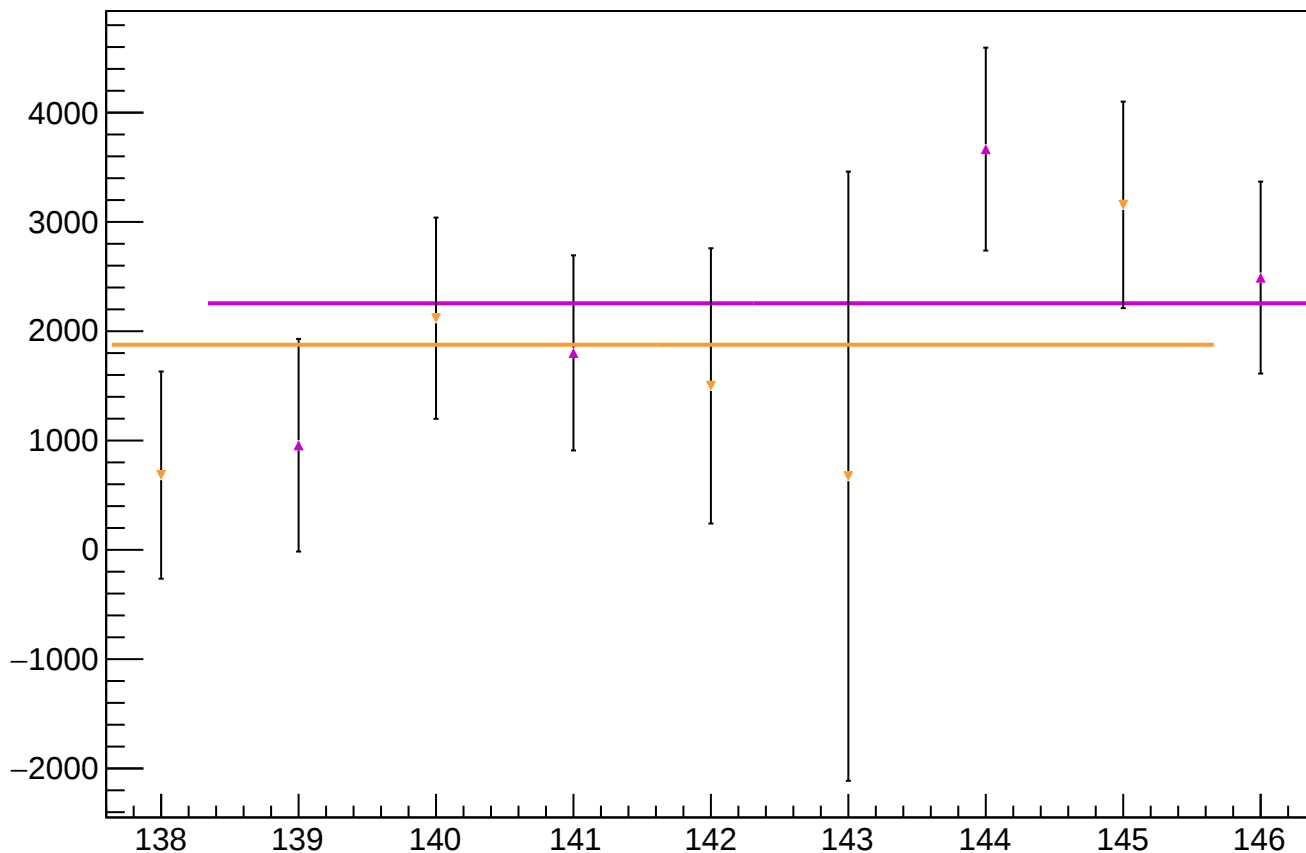
Left In: 950.999 ± 0.375 $\chi^2/\text{NDF}: 30131.2/3$

999.249 ± 0.225 $\chi^2/\text{NDF}: 359506.3/21$

979.201 ± 0.156 $\chi^2/\text{NDF}: 1479337.7/45$

960.705 ± 0.217 $\chi^2/\text{NDF}: 1104635.4/23$

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1876.754+/-489.519 χ^2/NDF : 3.8/4

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

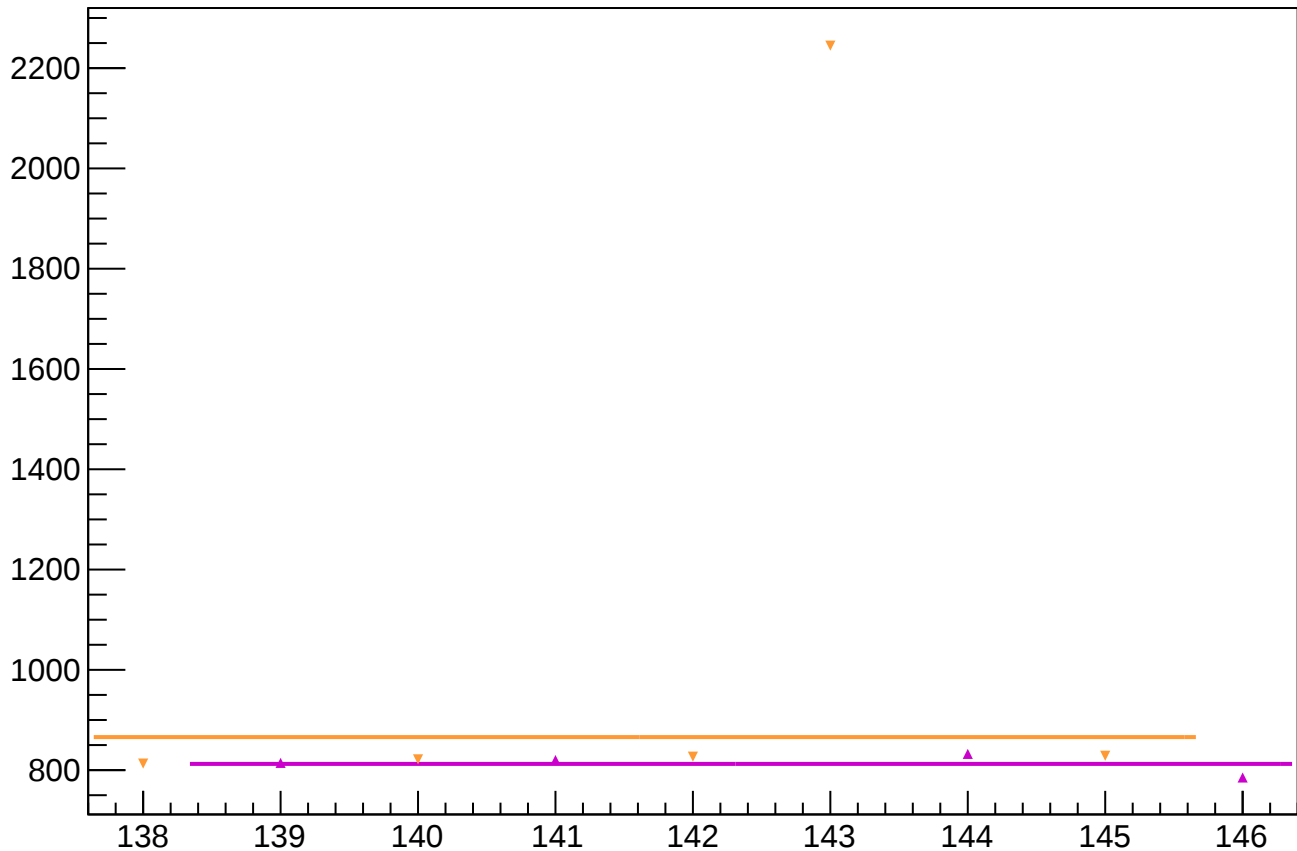
Left In: 2255.640+/-457.867 χ^2/NDF : 4.4/3

1876.754+/-489.519 χ^2/NDF : 3.8/4

2078.842+/-334.391 χ^2/NDF : 8.5/8

2255.640+/-457.867 χ^2/NDF : 4.4/3

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 865.904+/-0.346 χ^2/NDF : 505560.6/4

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

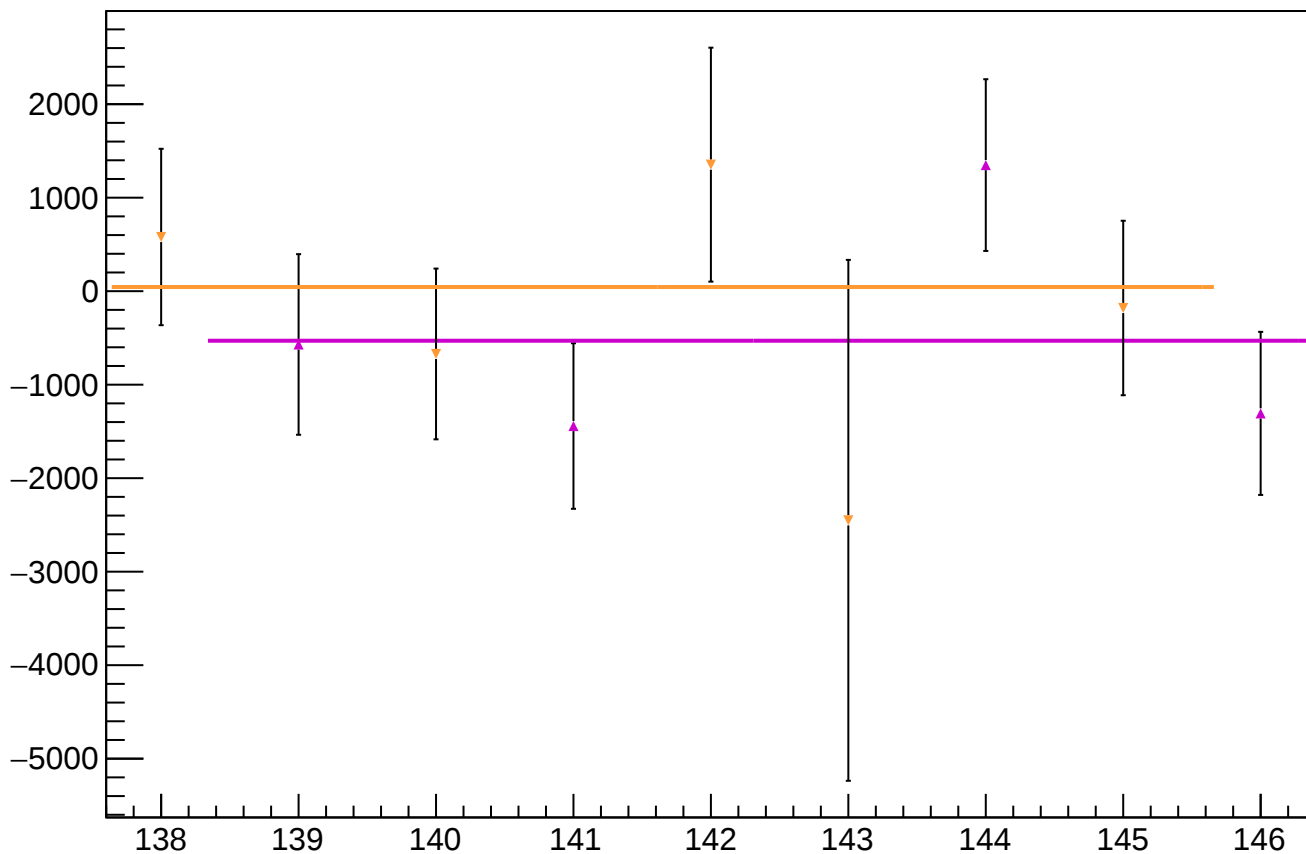
Left In: 812.420+/-0.324 χ^2/NDF : 2991.3/3

865.904+/-0.346 χ^2/NDF : 505560.6/4

837.377+/-0.236 χ^2/NDF : 521286.0/8

812.420+/-0.324 χ^2/NDF : 2991.3/3

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 44.363 $\pm$ 485.643 χ^2/NDF : 2.9/4

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

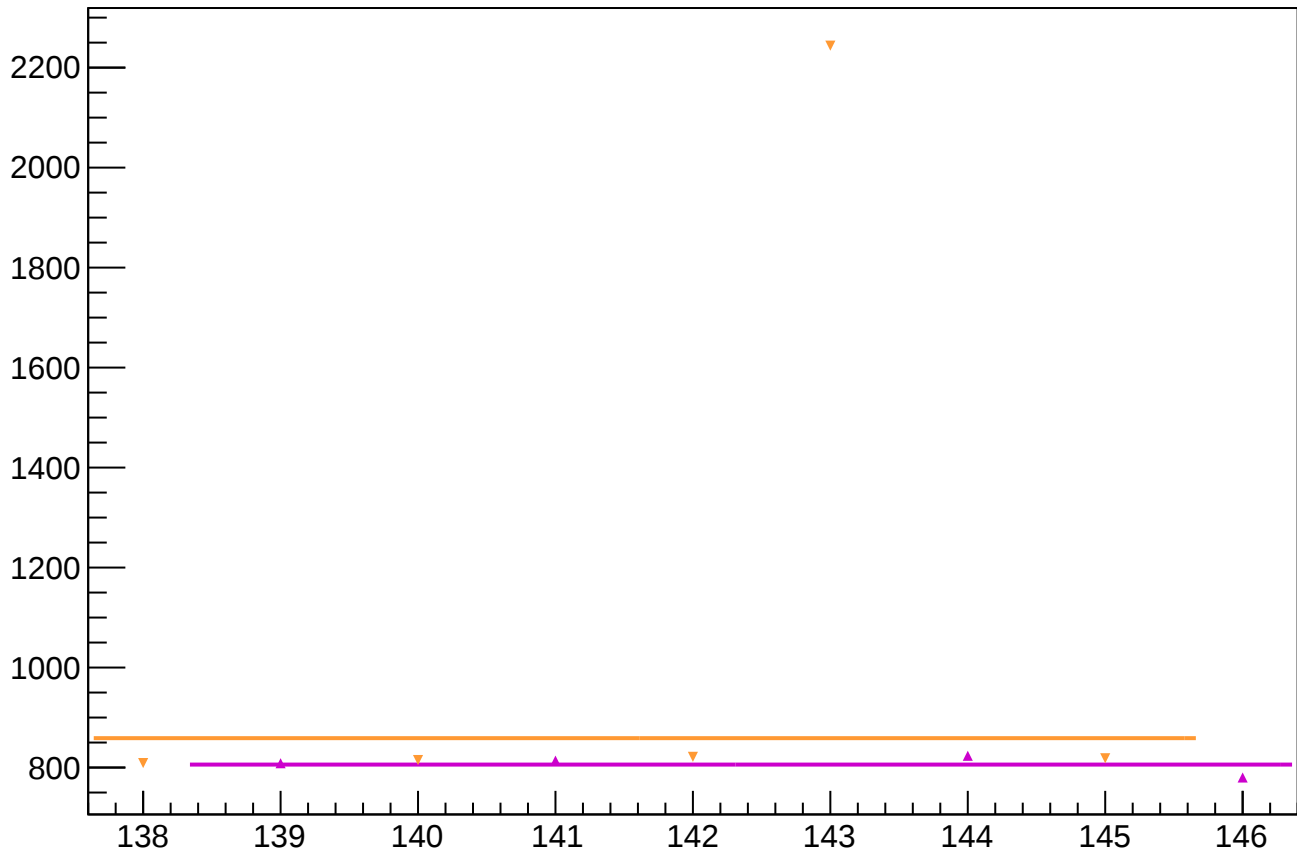
Left In: -529.976 $\pm$ 454.170 χ^2/NDF : 6.0/3

44.363 $\pm$ 485.643 χ^2/NDF : 2.9/4

-262.018 $\pm$ 331.716 χ^2/NDF : 9.7/8

-529.976 $\pm$ 454.170 χ^2/NDF : 6.0/3

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 858.766+/-0.343 χ^2/NDF : 510170.9/4

858.766+/-0.343 χ^2/NDF : 510170.9/4

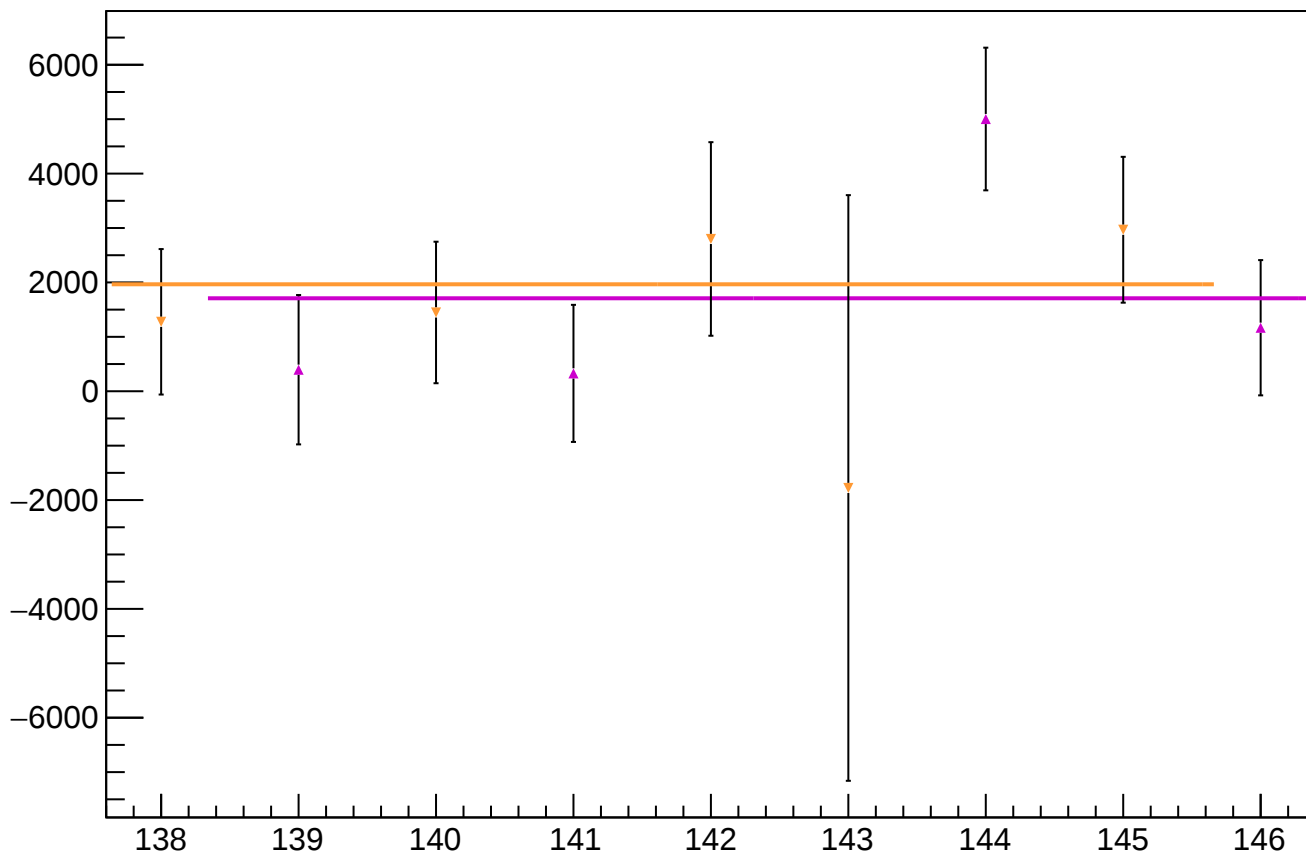
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

830.575+/-0.235 χ^2/NDF : 525470.8/8

Left In: 805.919+/-0.321 χ^2/NDF : 2666.1/3

805.919+/-0.321 χ^2/NDF : 2666.1/3

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1965.717+/-697.073 χ^2/NDF : 1.7/4

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

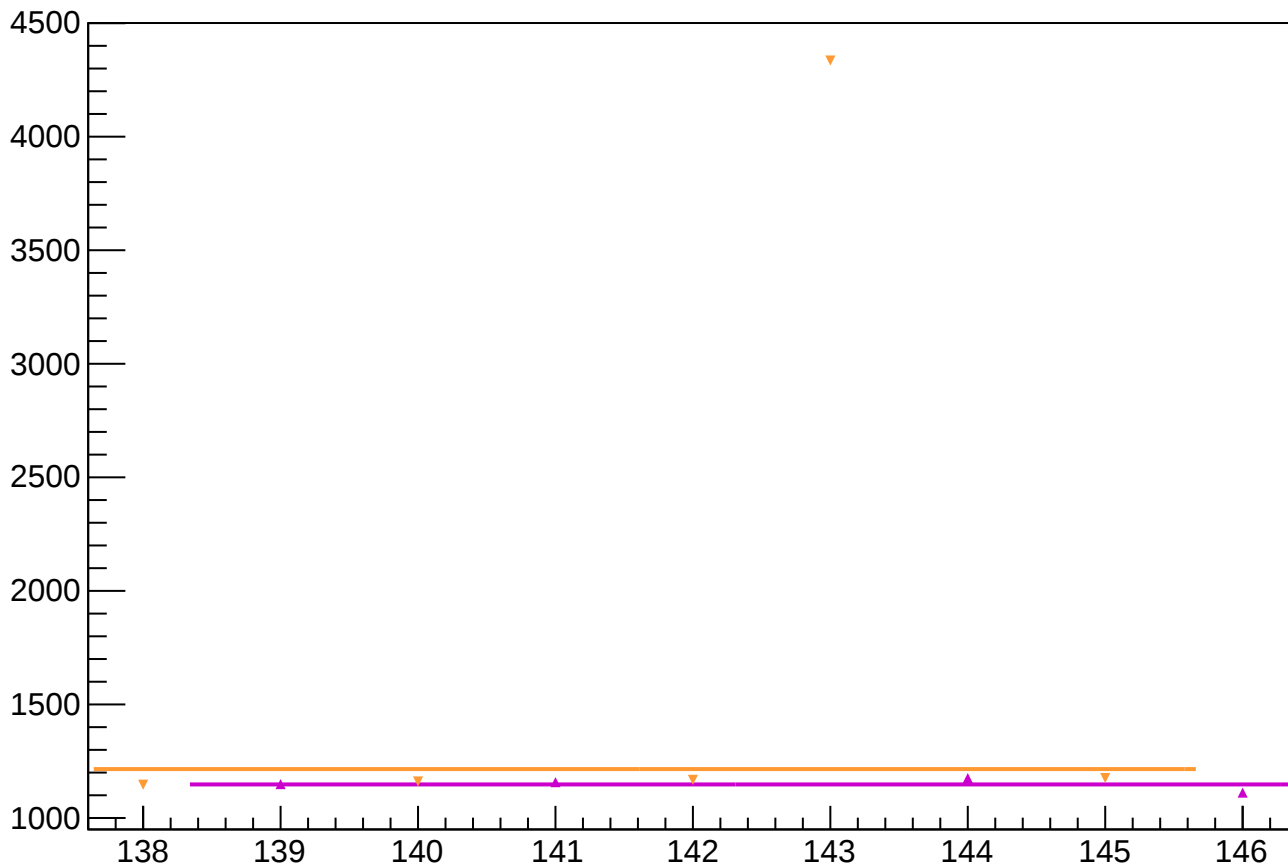
Left In: 1708.560+/-646.856 χ^2/NDF : 8.6/3

1965.717+/-697.073 χ^2/NDF : 1.7/4

1827.543+/-474.156 χ^2/NDF : 10.4/8

1708.560+/-646.856 χ^2/NDF : 8.6/3

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1215.372+/-0.493 χ^2 /NDF: 684065.6/4

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

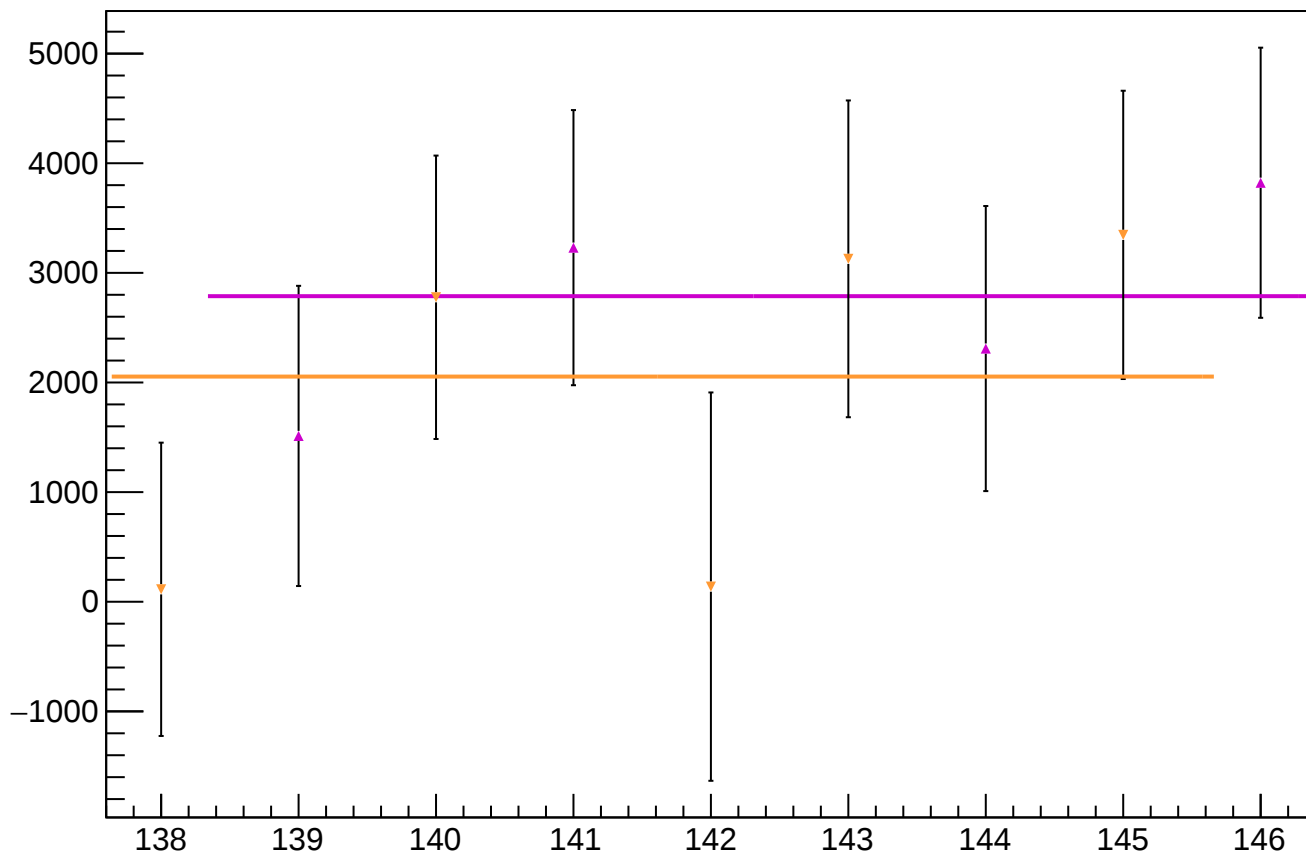
Left In: 1147.812+/-0.457 χ^2 /NDF: 2714.0/3

1215.372+/-0.493 χ^2 /NDF: 684065.6/4

1179.071+/-0.335 χ^2 /NDF: 696874.1/8

1147.812+/-0.457 χ^2 /NDF: 2714.0/3

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2053.977+/-628.246 χ^2/NDF : 5.1/4

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

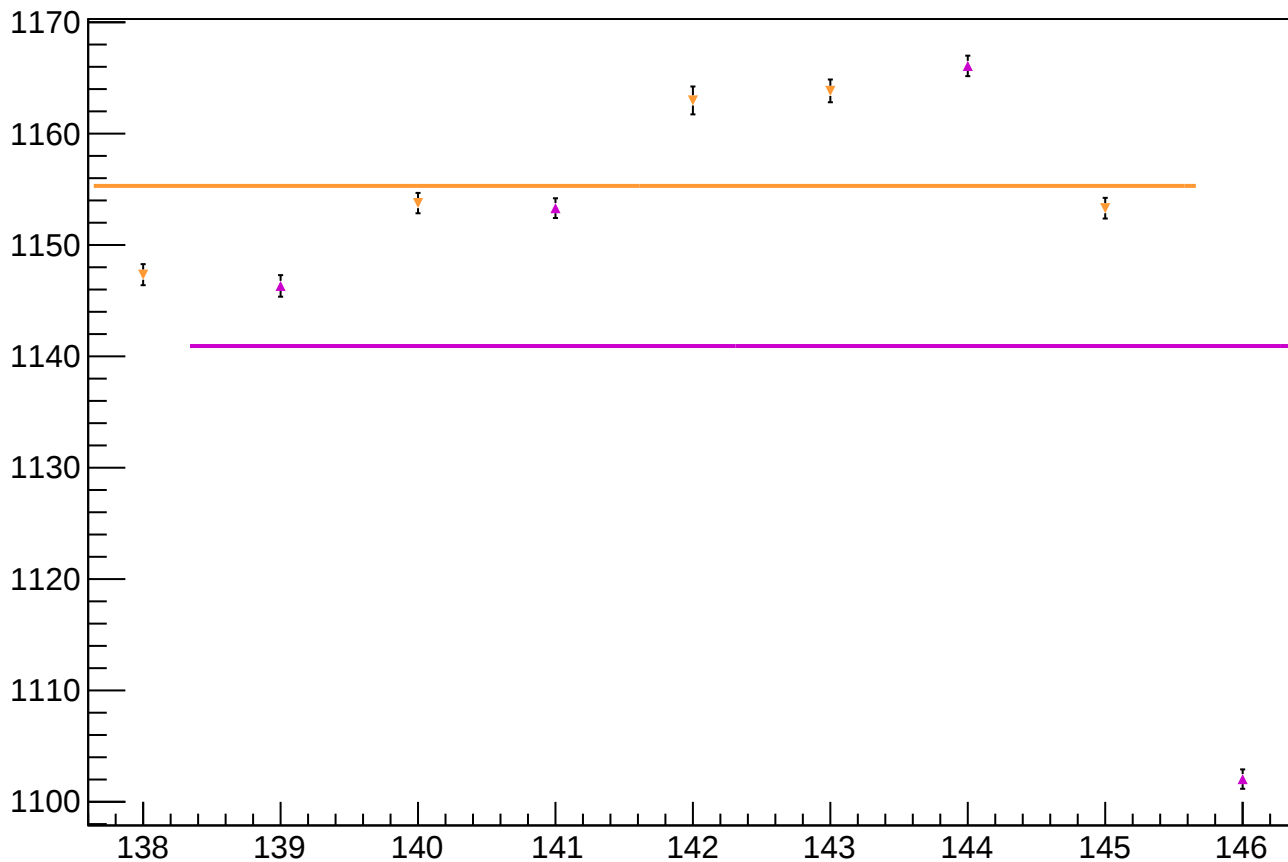
Left In: 2787.390+/-642.990 χ^2/NDF : 1.8/3

2053.977+/-628.246 χ^2/NDF : 5.1/4

2412.179+/-449.359 χ^2/NDF : 7.6/8

2787.390+/-642.990 χ^2/NDF : 1.8/3

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1155.305+/-0.444 χ^2/NDF : 185.8/4

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

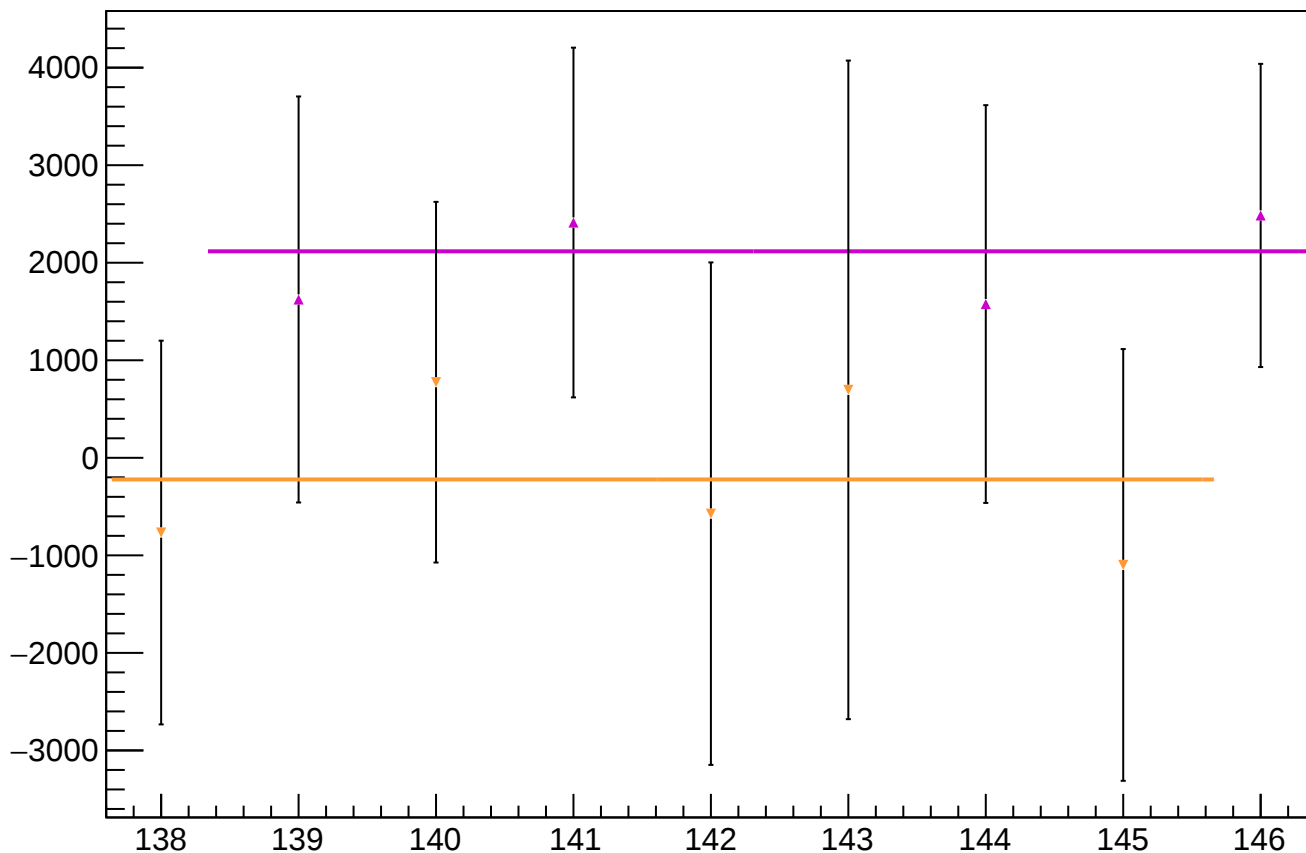
Left In: 1140.927+/-0.455 χ^2/NDF : 2966.9/3

1155.305+/-0.444 χ^2/NDF : 185.8/4

1148.283+/-0.318 χ^2/NDF : 3664.3/8

1140.927+/-0.455 χ^2/NDF : 2966.9/3

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: -221.999+/-1003.181 χ^2/NDF : 0.6/4

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

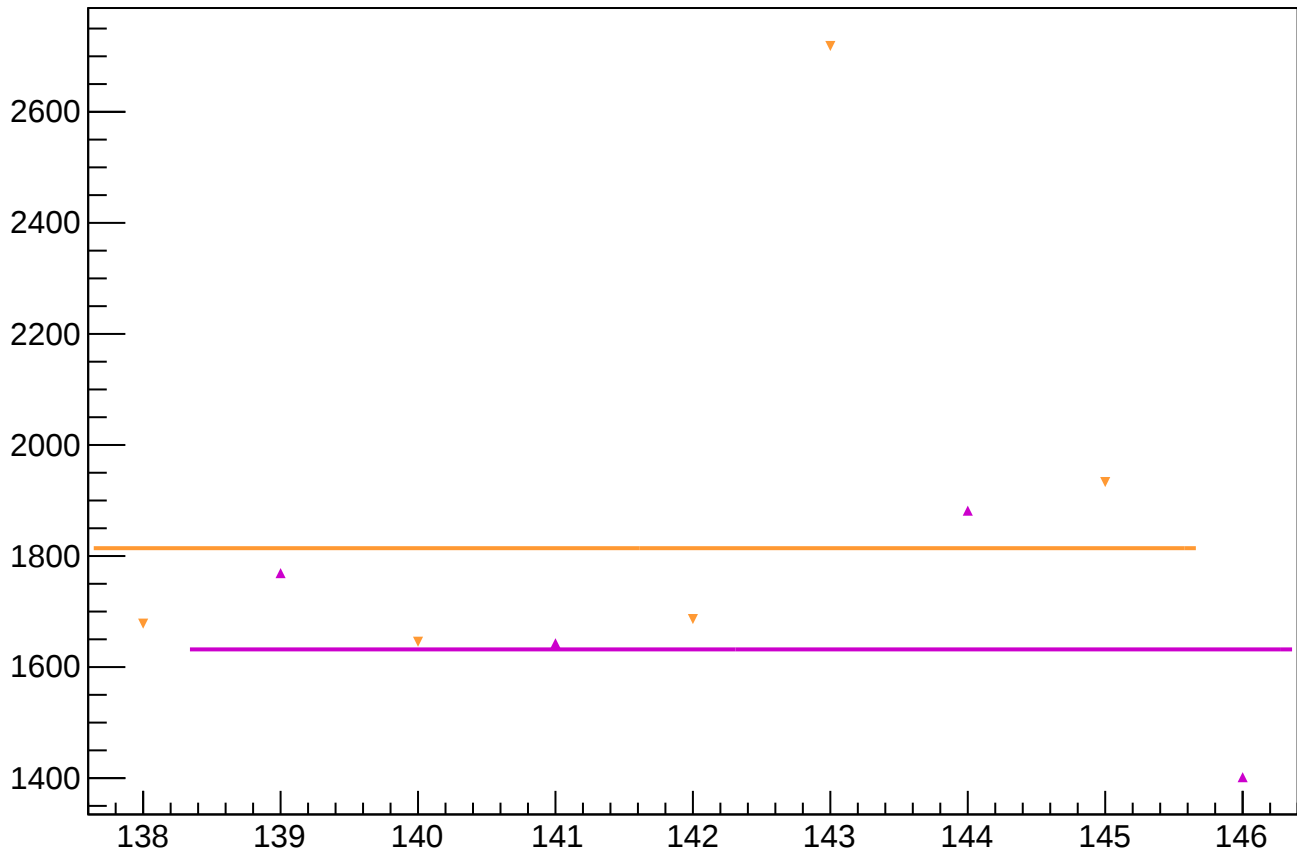
Left In: 2117.055+/-914.211 χ^2/NDF : 0.2/3

-221.999+/-1003.181 χ^2/NDF : 0.6/4

1055.830+/-675.714 χ^2/NDF : 3.8/8

2117.055+/-914.211 χ^2/NDF : 0.2/3

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1814.127+/-0.709 χ^2/NDF : 180418.8/4

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

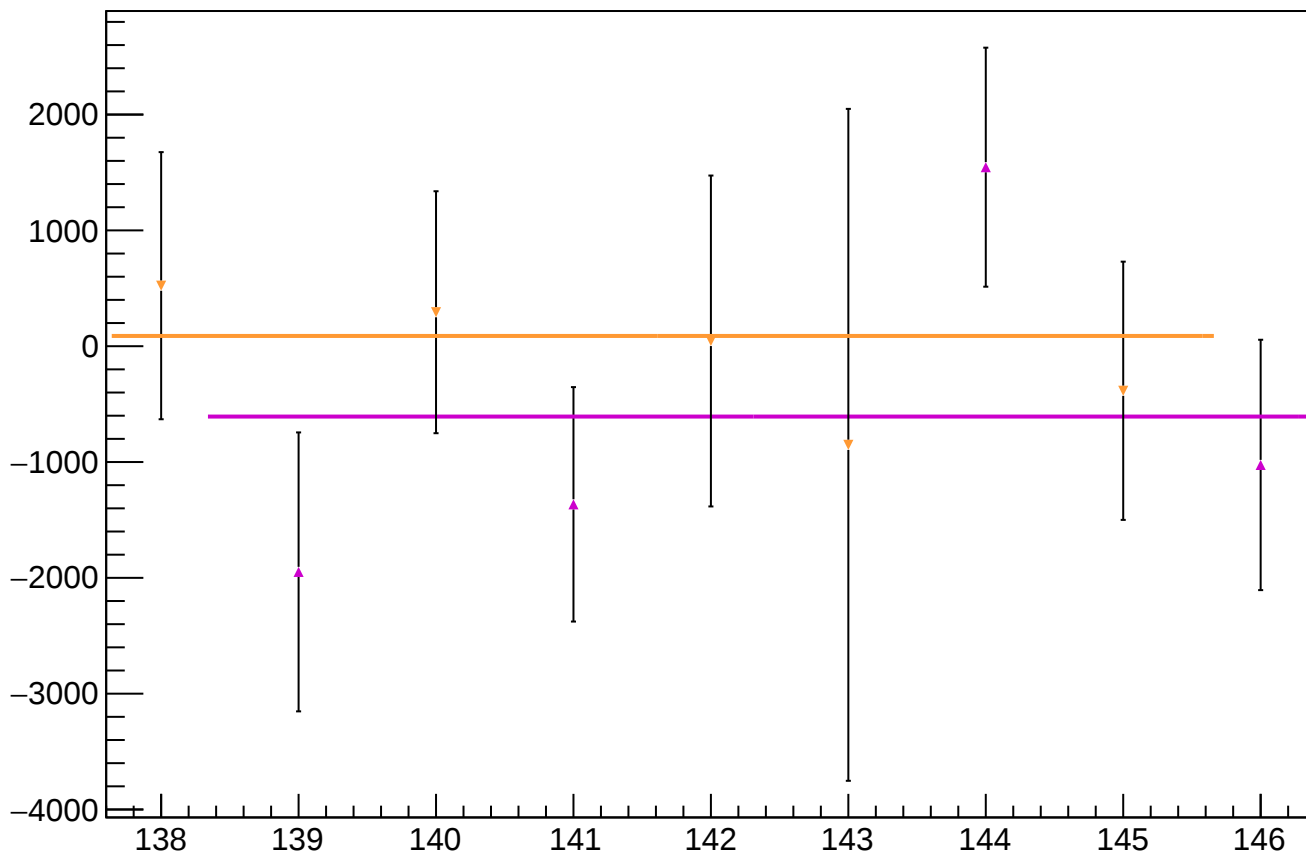
Left In: 1631.838+/-0.646 χ^2/NDF : 82680.3/3

1814.127+/-0.709 χ^2/NDF : 180418.8/4

1714.542+/-0.478 χ^2/NDF : 299175.5/8

1631.838+/-0.646 χ^2/NDF : 82680.3/3

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 88.576+/-569.612 χ^2/NDF : 0.5/4

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

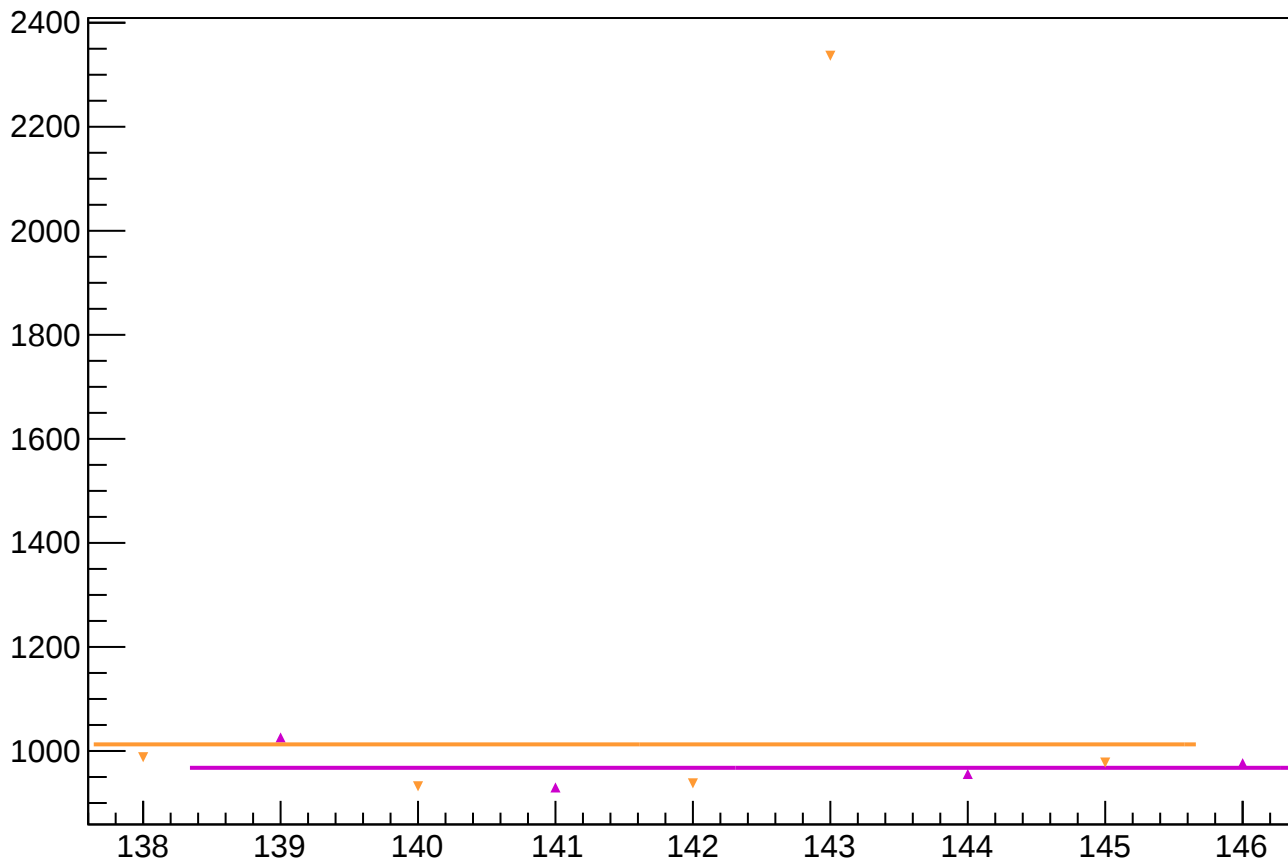
Left In: -607.465+/-537.521 χ^2/NDF : 6.3/3

88.576+/-569.612 χ^2/NDF : 0.5/4

-279.603+/-390.938 χ^2/NDF : 7.6/8

-607.465+/-537.521 χ^2/NDF : 6.3/3

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 1012.714+/-0.403 χ^2/NDF : 436890.9/4

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

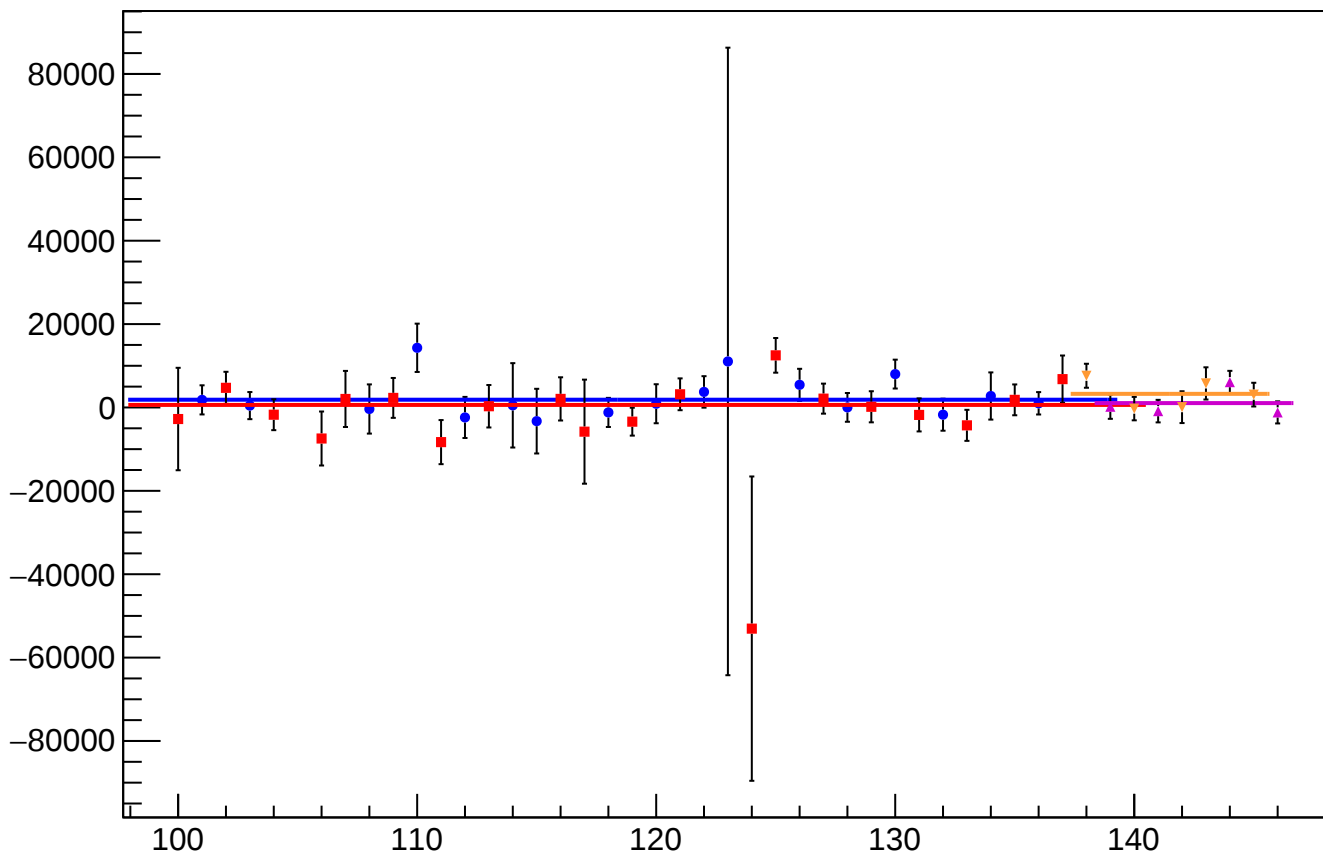
Left In: 967.650+/-0.380 χ^2/NDF : 7871.5/3

1012.714+/-0.403 χ^2/NDF : 436890.9/4

988.877+/-0.276 χ^2/NDF : 451384.0/8

967.650+/-0.380 χ^2/NDF : 7871.5/3

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 3266.196 $\pm$ 1404.408 χ^2 /NDF: 5.0/4

Right Out: 611.041 $\pm$ 1020.345 χ^2 /NDF: 22.3/19

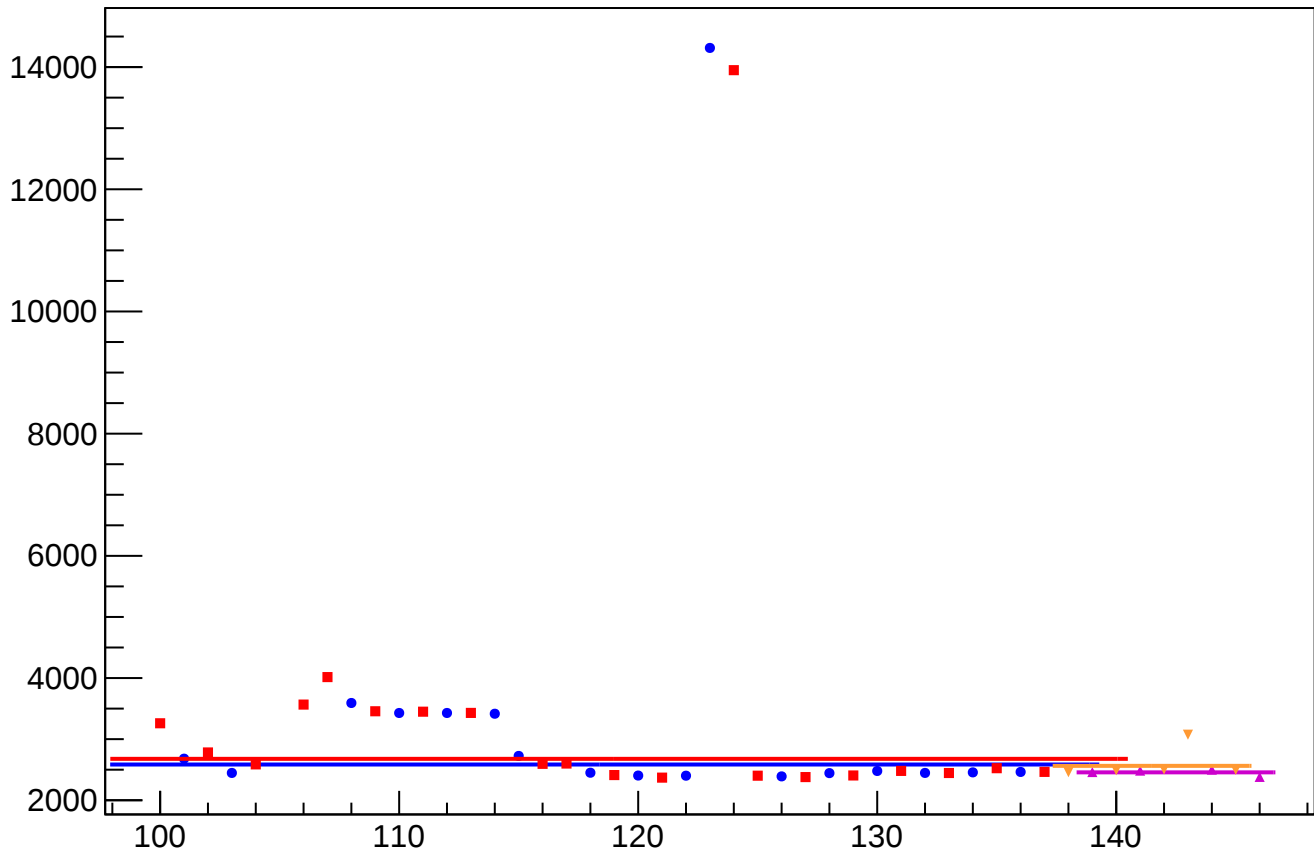
Left In: 1049.808 $\pm$ 1367.612 χ^2 /NDF: 4.8/3

2341.354 $\pm$ 821.811 χ^2 /NDF: 18.2/21

1550.810 $\pm$ 579.689 χ^2 /NDF: 47.2/45

767.939 $\pm$ 817.813 χ^2 /NDF: 27.2/23

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2562.905+/-0.993 χ^2/NDF : 40467.6/4

Right Out: 2677.711+/-0.721 χ^2/NDF : 532173.5/19

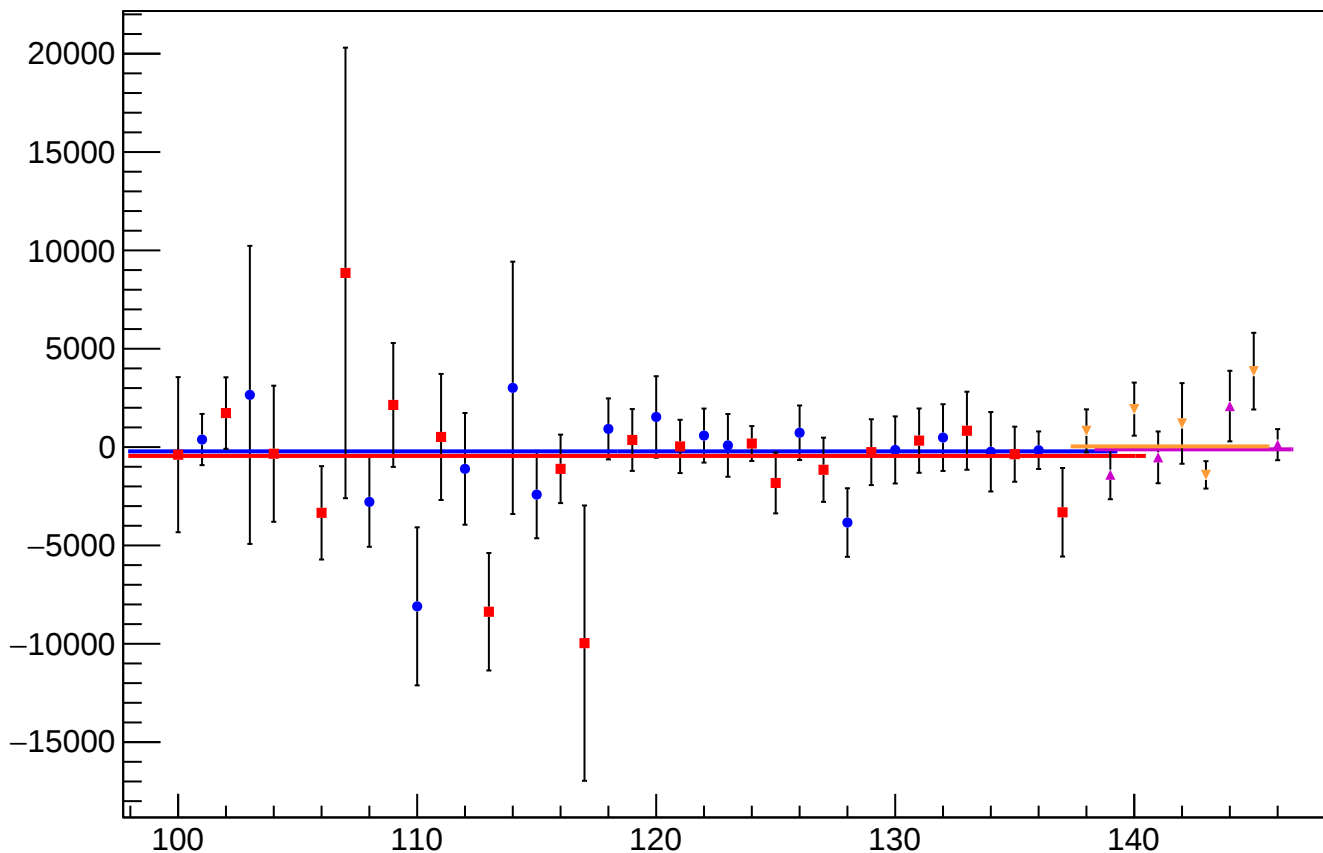
Left In: 2456.488+/-0.967 χ^2/NDF : 2339.8/3

2577.315+/-0.581 χ^2/NDF : 296498.2/21

2588.012+/-0.410 χ^2/NDF : 865304.3/45

2598.604+/-0.578 χ^2/NDF : 568131.7/23

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 35.023+/-503.001 χ^2/NDF : 11.0/4

Right Out: -449.702+/-408.279 χ^2/NDF : 17.5/19

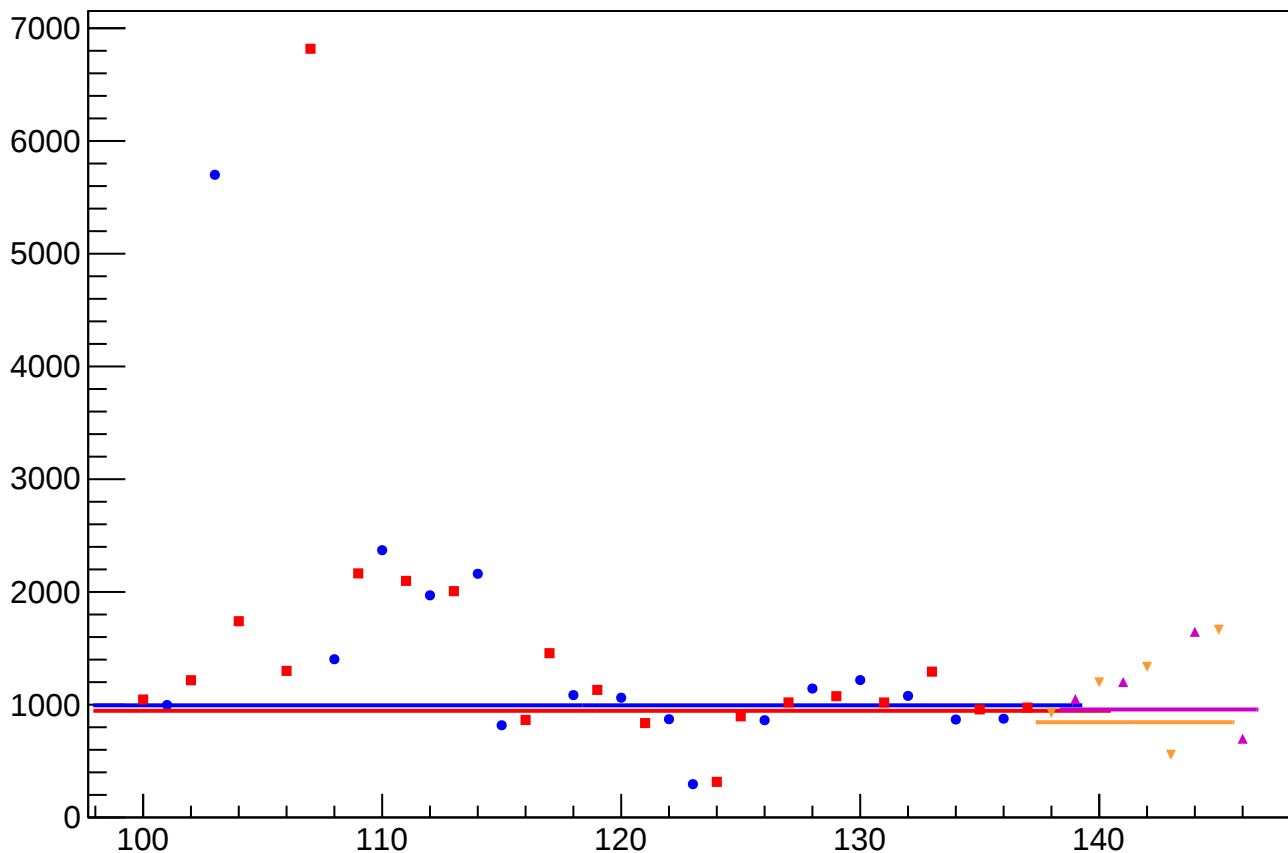
Left In: -114.339+/-564.987 χ^2/NDF : 2.8/3

-113.457+/-322.425 χ^2/NDF : 24.5/21

-221.180+/-230.933 χ^2/NDF : 45.3/45

-334.653+/-330.919 χ^2/NDF : 20.5/23

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 844.769 $\pm$ 0.356 χ^2 /NDF:961615.5/4

Right Out: 946.032 $\pm$ 0.289 χ^2 /NDF: 2676710.2/19

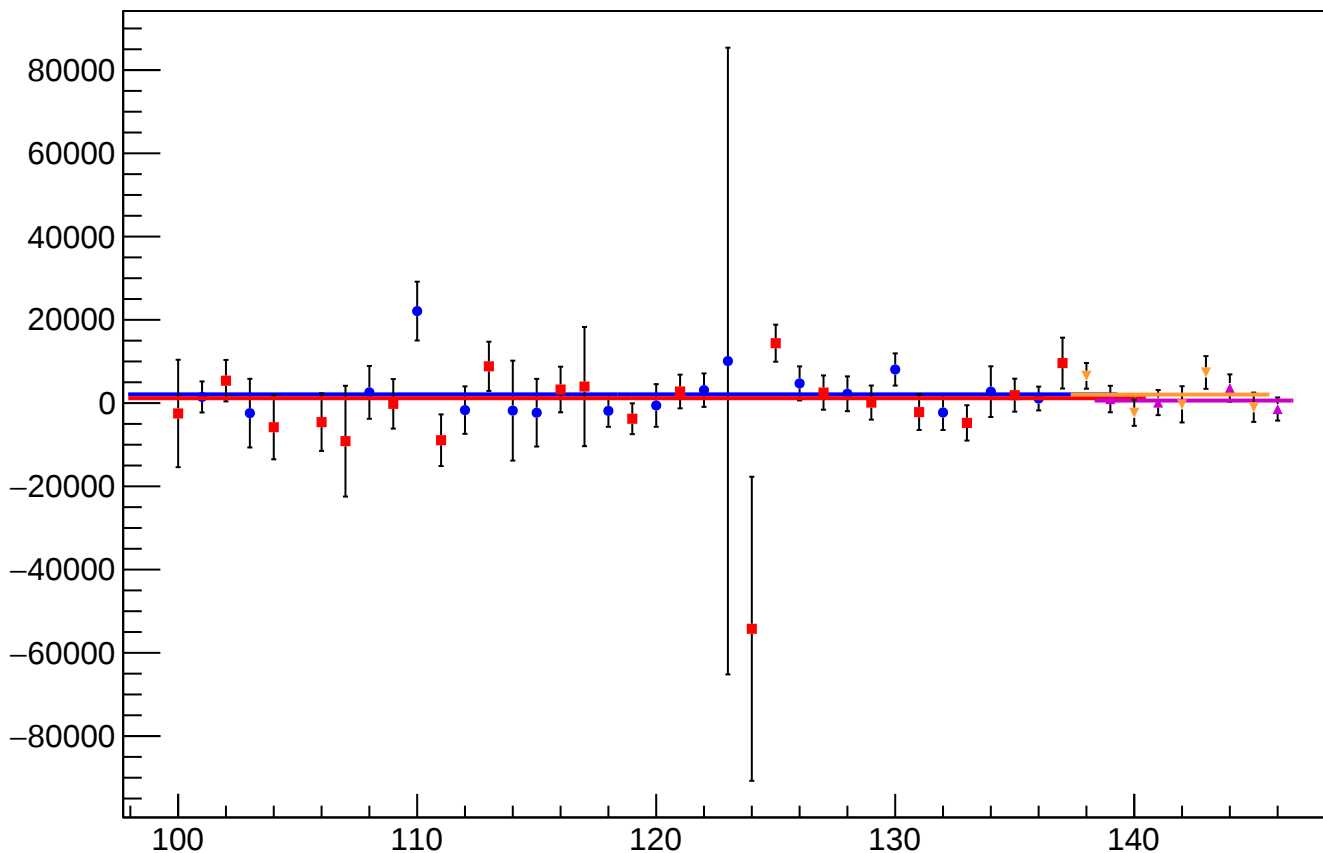
Left In: 957.723 $\pm$ 0.400 χ^2 /NDF:589466.1/3

933.002 $\pm$ 0.228 χ^2 /NDF: 2970626.1/21

941.301 $\pm$ 0.163 χ^2 /NDF: 6240085.8/45

950.043 $\pm$ 0.234 χ^2 /NDF: 3266738.9/23

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2042.879+/-1572.590 χ^2/NDF : 6.9/4

Right Out: 1167.038+/-1182.950 χ^2/NDF : 25.2/19

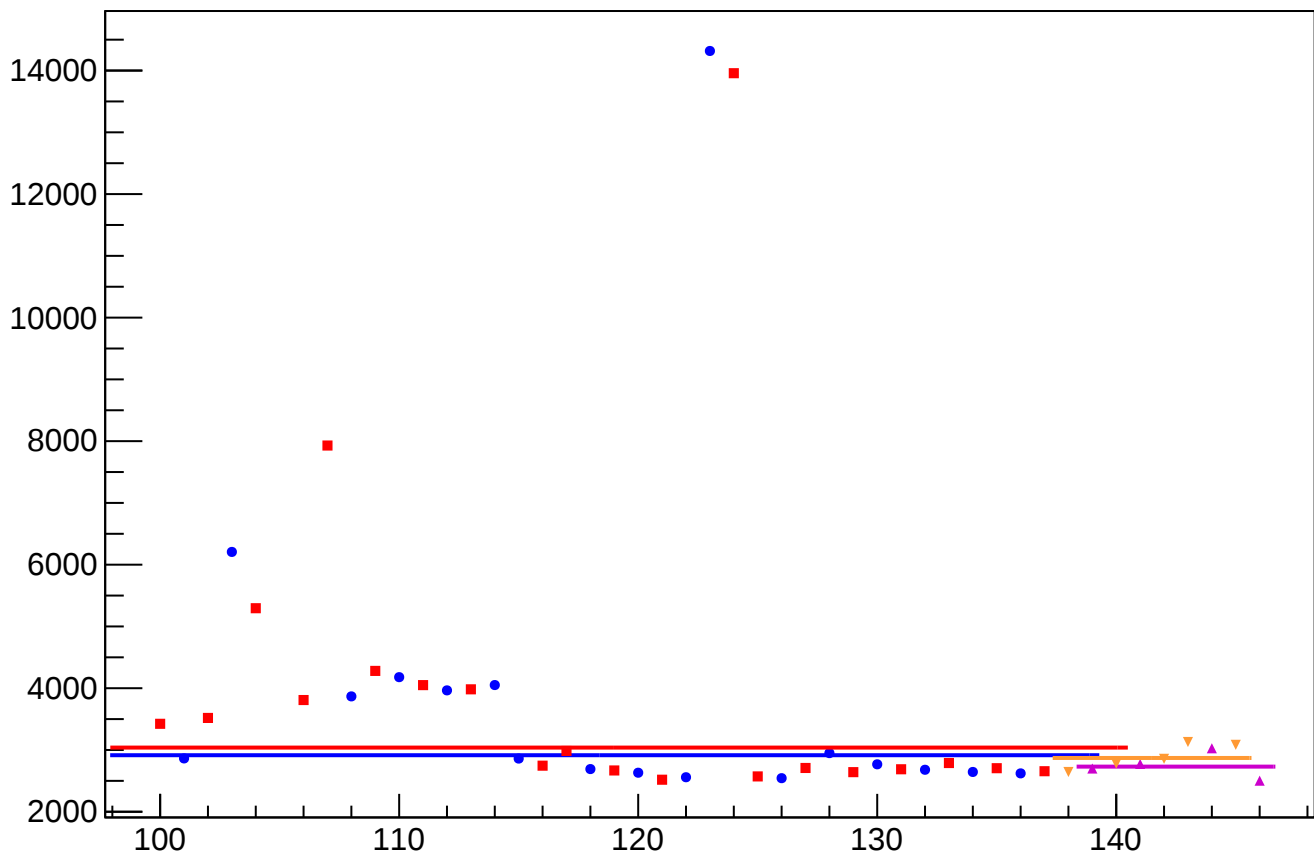
Left In: 608.586+/-1524.052 χ^2/NDF : 1.4/3

2076.010+/-933.732 χ^2/NDF : 21.5/21

1516.996+/-660.514 χ^2/NDF : 48.9/45

957.082+/-934.484 χ^2/NDF : 26.7/23

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2870.627 +/- 1.112 χ^2/NDF : 28490.2/4

Right Out: 3038.763 +/- 0.836 χ^2/NDF : 1011412.5/19

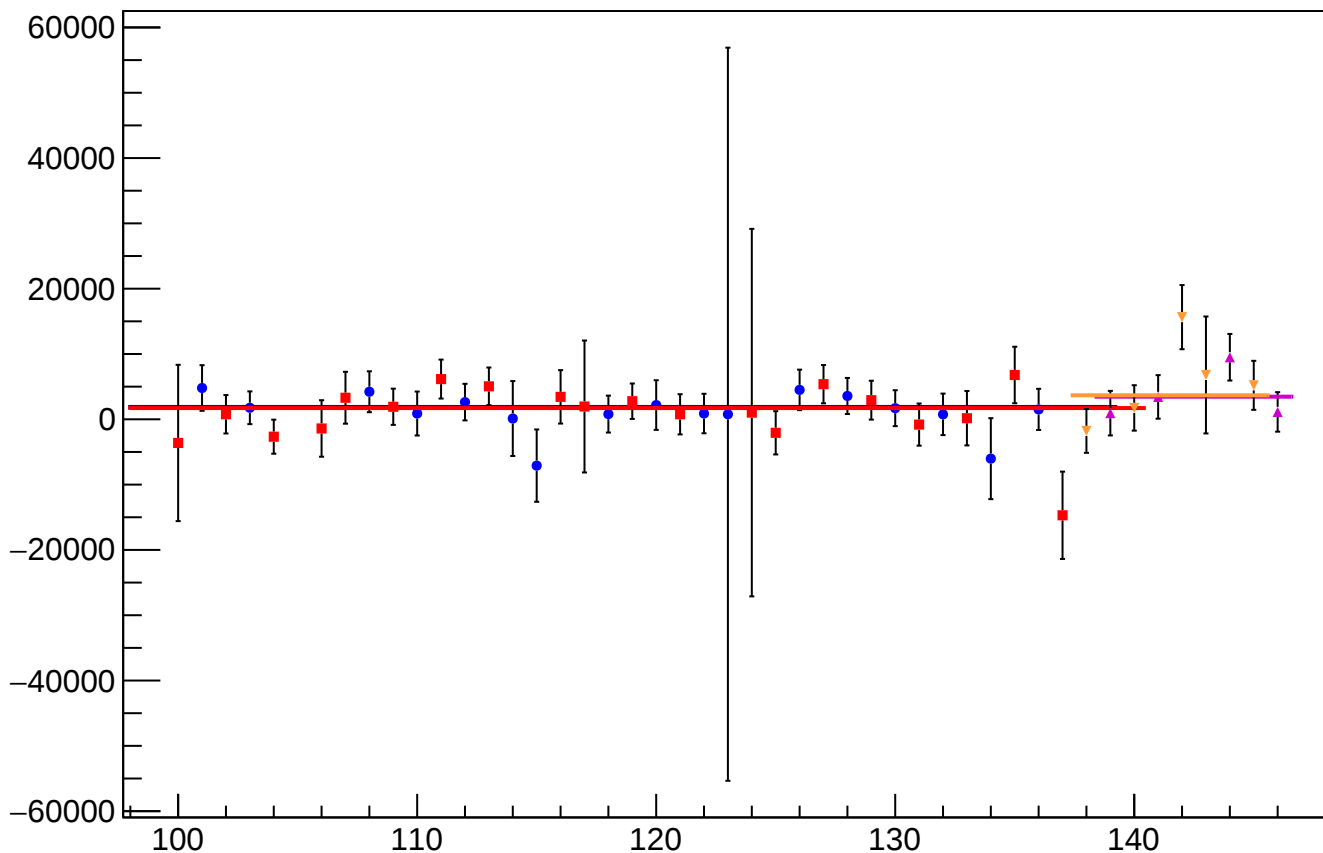
Left In: 2730.563 +/- 1.078 χ^2/NDF : 30383.2/3

2899.487 +/- 0.660 χ^2/NDF : 668666.8/21

2911.179 +/- 0.467 χ^2/NDF : 1762129.8/45

2922.891 +/- 0.661 χ^2/NDF : 1092835.2/23

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1889.943 $\pm$ 811.431 χ^2 /NDF: 7.3/16

Left Out: 3675.616 $\pm$ 1836.927 χ^2 /NDF: 9.2/4

Right Out: 1720.591 $\pm$ 787.704 χ^2 /NDF: 19.0/19

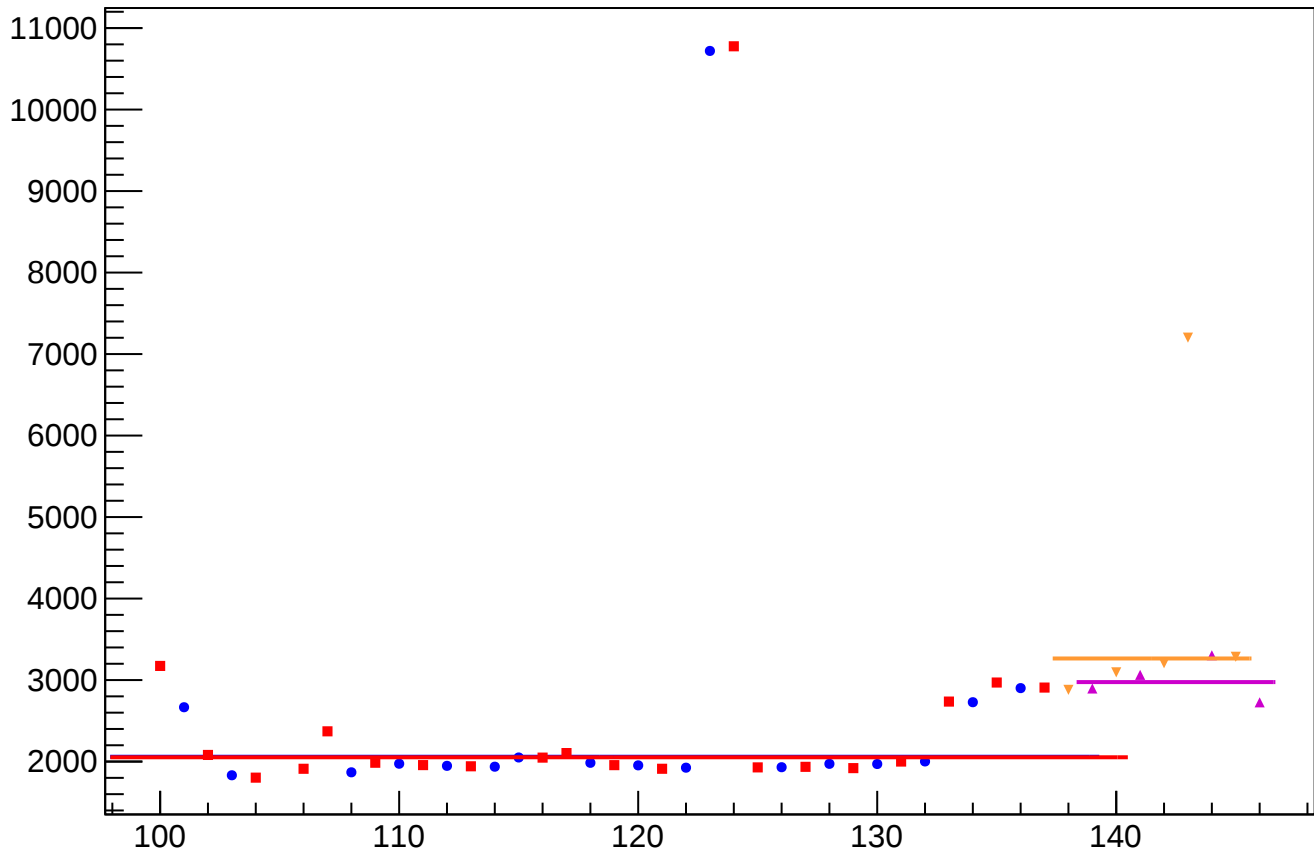
Left In: 3463.336 $\pm$ 1658.174 χ^2 /NDF: 4.0/3

2181.489 $\pm$ 742.240 χ^2 /NDF: 17.2/21

2108.515 $\pm$ 513.631 χ^2 /NDF: 41.1/45

2041.460 $\pm$ 711.503 χ^2 /NDF: 23.9/23

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2058.963 $\pm$ 0.574 χ^2 /NDF: 318561.5/16

Left Out: 3264.741 $\pm$ 1.299 χ^2 /NDF: 418171.5/4

Right Out: 2052.576 $\pm$ 0.557 χ^2 /NDF: 443374.3/19

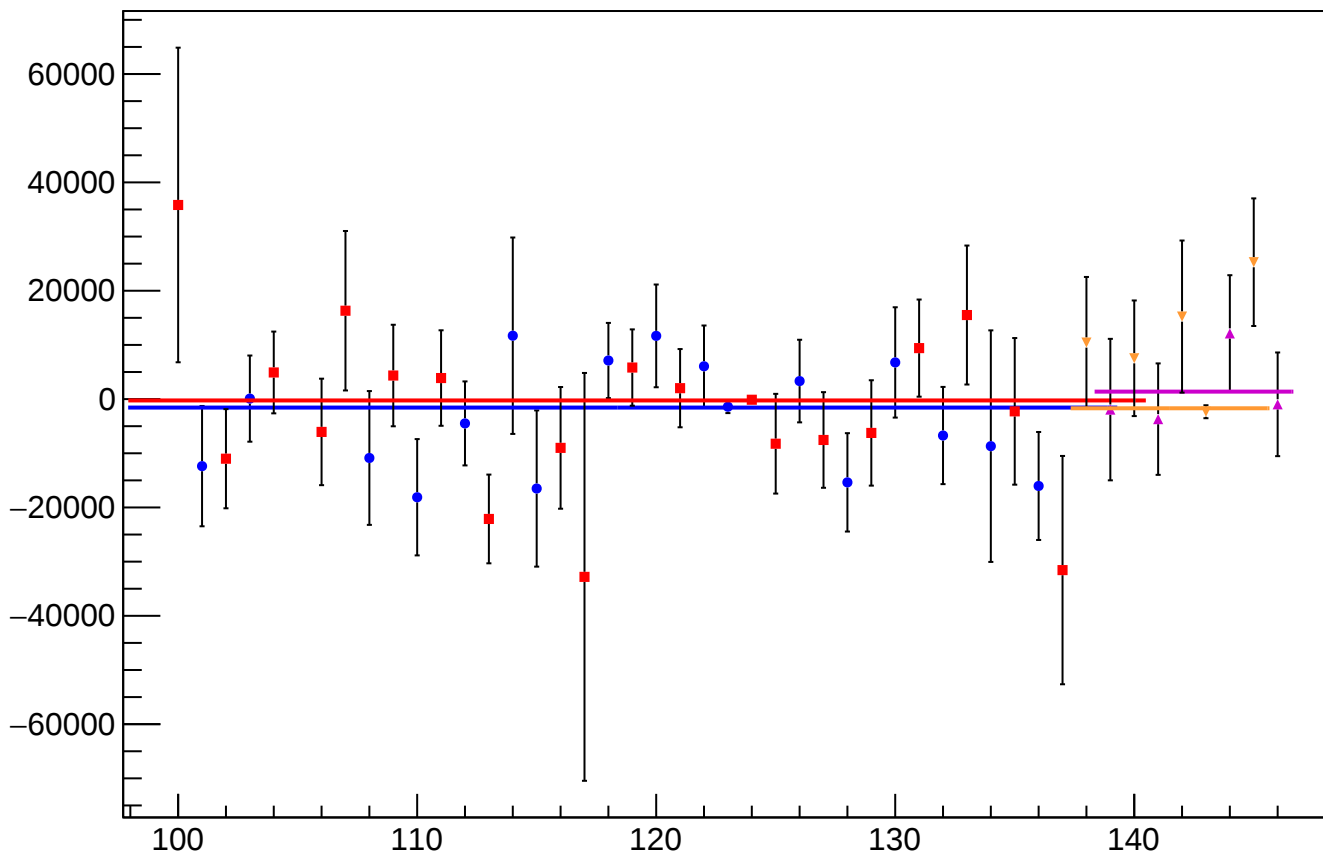
Left In: 2975.049 $\pm$ 1.173 χ^2 /NDF: 32977.5/3

2255.830 $\pm$ 0.525 χ^2 /NDF: 1457784.2/21

2238.417 $\pm$ 0.363 χ^2 /NDF: 2441265.1/45

2222.417 $\pm$ 0.503 χ^2 /NDF: 981368.9/23

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1563.218+/-1053.946 χ^2/NDF : 16.2/16

Left Out: -1694.084+/-1173.302 χ^2/NDF : 8.7/4

Right Out: -247.306+/-695.049 χ^2/NDF : 21.6/19

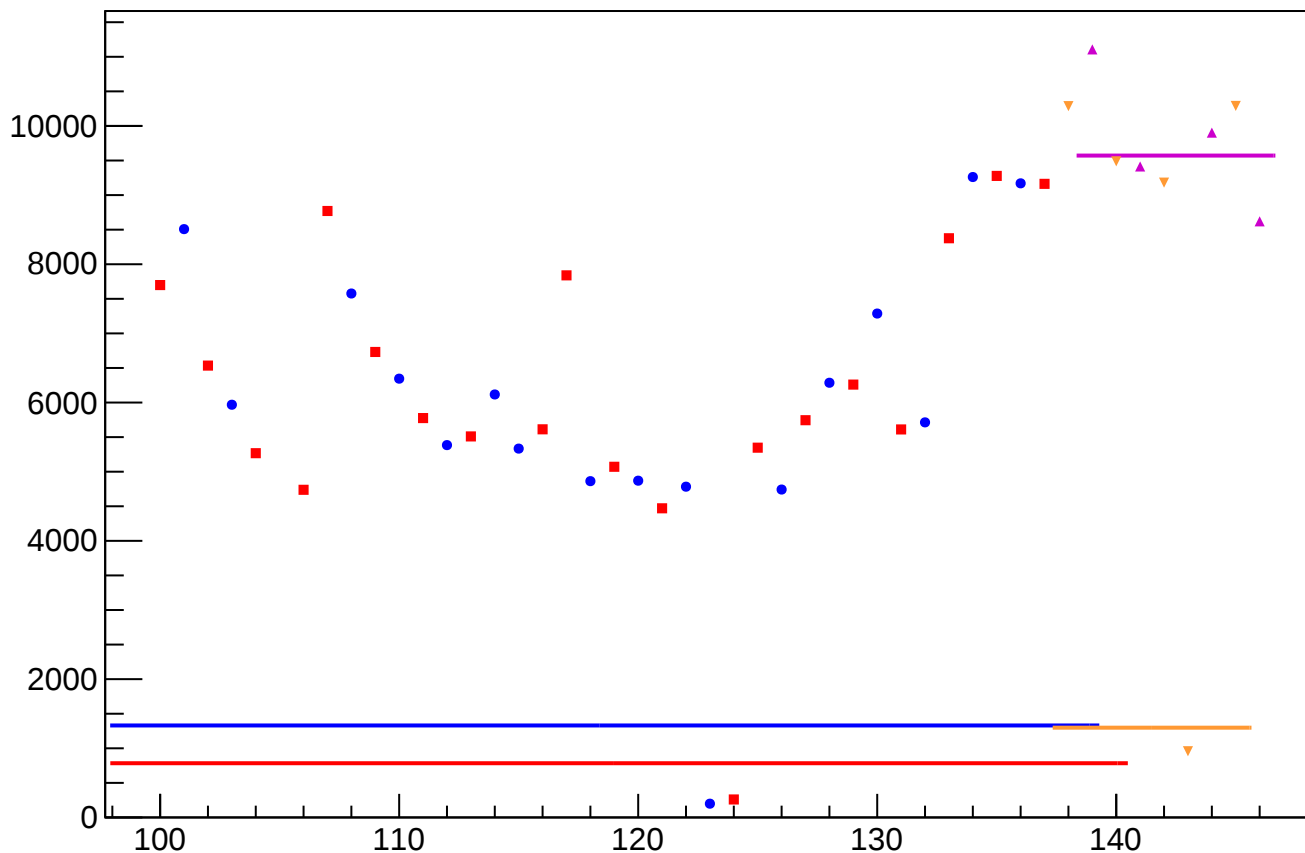
Left In: 1379.618+/-5352.710 χ^2/NDF : 1.4/3

-1621.658+/-784.065 χ^2/NDF : 24.9/21

-831.196+/-517.672 χ^2/NDF : 49.7/45

-220.330+/-689.262 χ^2/NDF : 23.0/23

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 1298.260+/-0.830 χ^2/NDF : 4239108.1/4

Right Out: 784.254+/-0.491 χ^2/NDF : 11510186.9/19

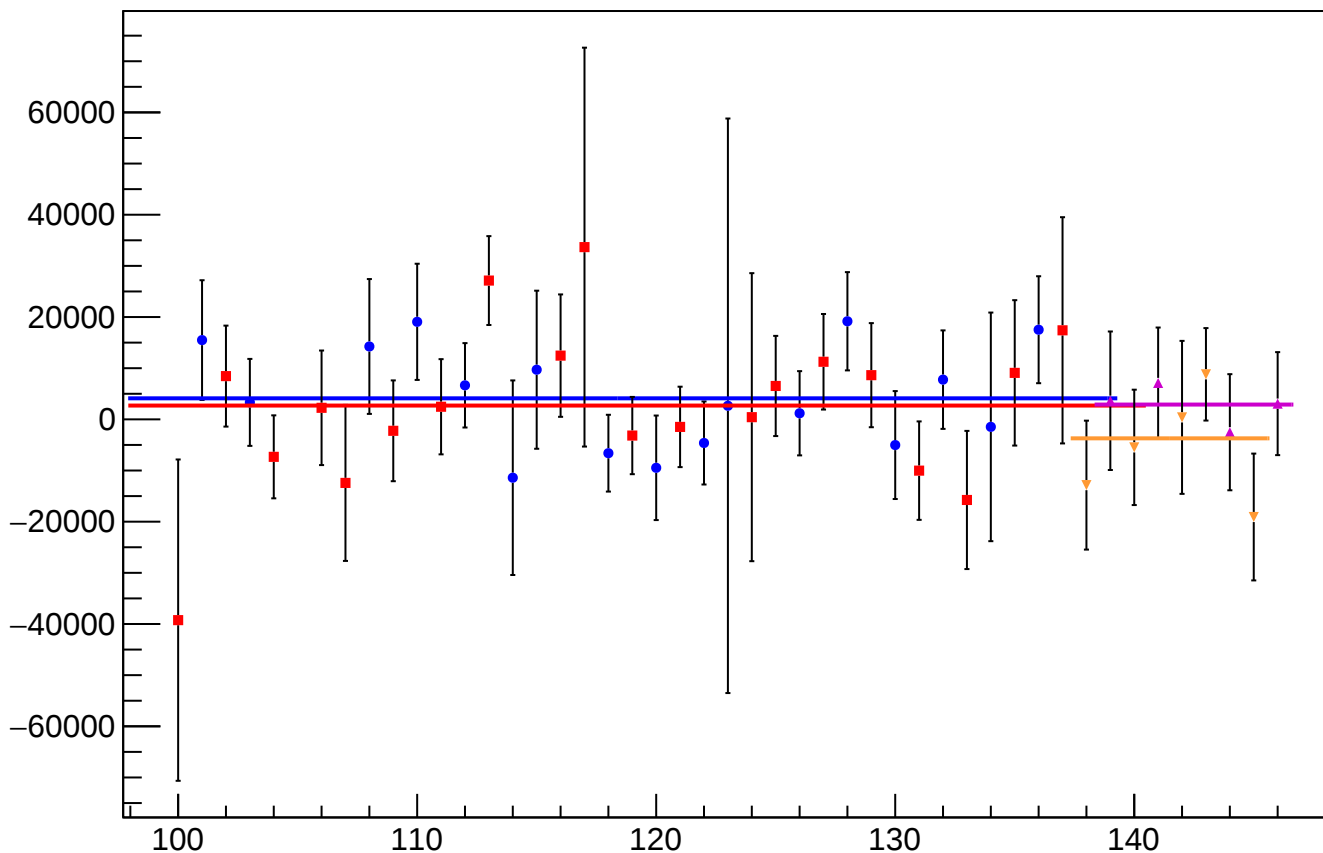
Left In: 9571.507+/-3.785 χ^2/NDF : 49788.4/3

1315.965+/-0.554 χ^2/NDF : 14286759.8/21

1098.227+/-0.366 χ^2/NDF : 31420797.4/4

929.959+/-0.487 χ^2/NDF : 16860603.0/23

asym_atl2_mean vs Slug, Sign Corrected



Right In: 4111.784 $\pm$ 2534.444 χ^2 /NDF: 14.3/16

Left Out: -3710.757 $\pm$ 5171.463 χ^2 /NDF: 4.1/4

Right Out: 2697.106 $\pm$ 2415.828 χ^2 /NDF: 20.6/19

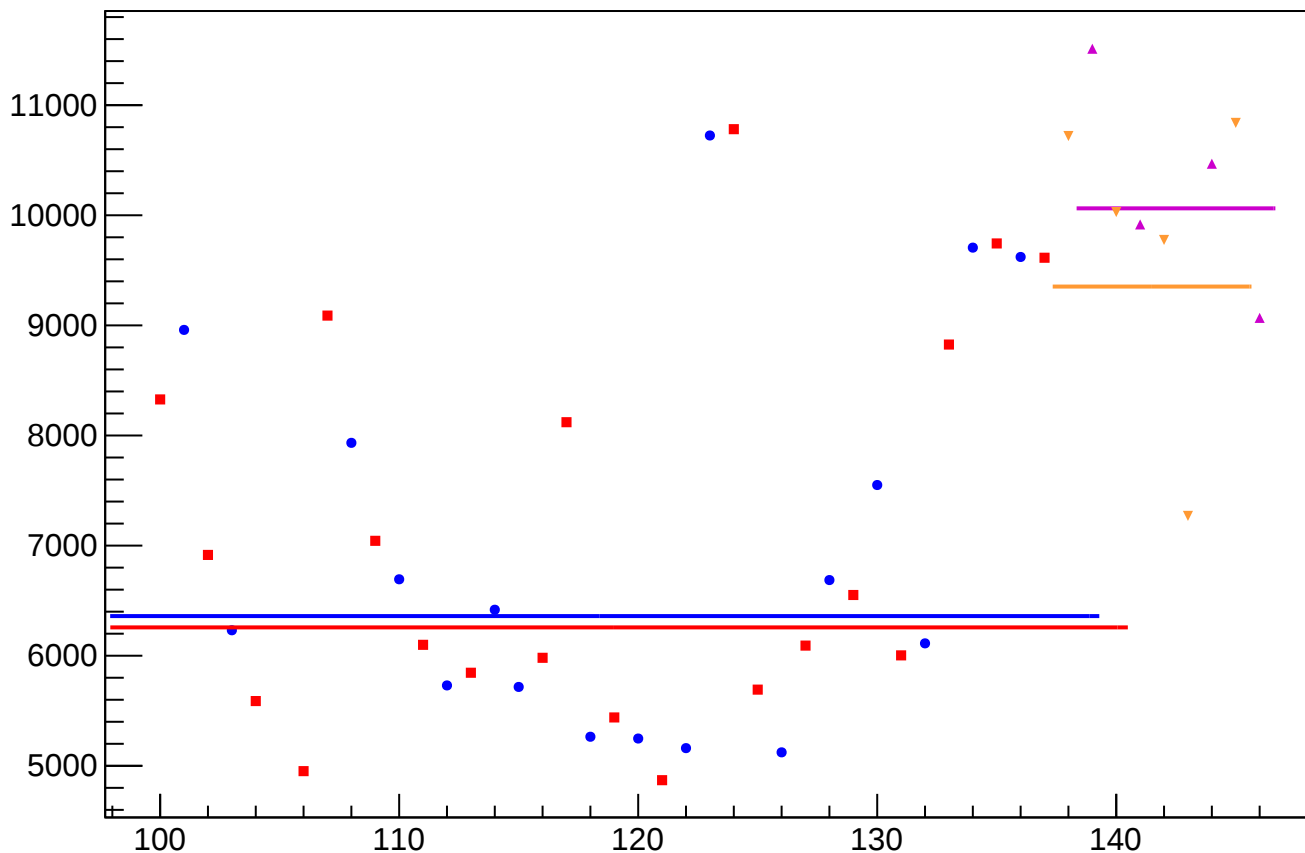
Left In: 2891.281 $\pm$ 5623.499 χ^2 /NDF: 0.4/3

2596.824 $\pm$ 2275.832 χ^2 /NDF: 20.3/21

2663.722 $\pm$ 1589.029 χ^2 /NDF: 41.2/45

2727.359 $\pm$ 2219.673 χ^2 /NDF: 21.0/23

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6359.928 $\pm$ 1.792 χ^2 /NDF: 580471.0/16

Left Out: 9352.579 $\pm$ 3.657 χ^2 /NDF:167349.7/4

Right Out: 6257.232 $\pm$ 1.708 χ^2 /NDF: 537553.3/19

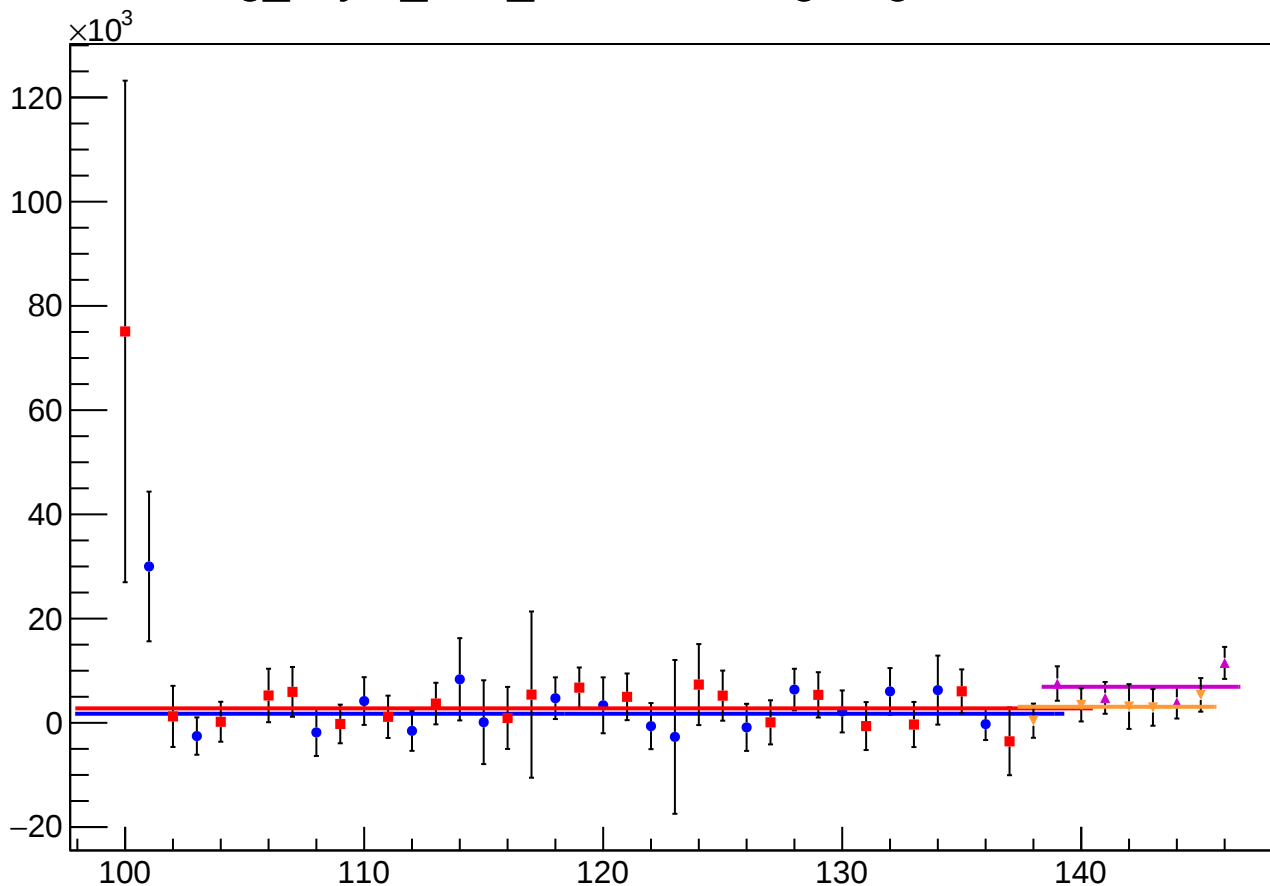
Left In: 10062.846 $\pm$ 3.976 χ^2 /NDF:45375.6/3

6939.498 $\pm$ 1.609 χ^2 /NDF: 1287866.8/21

6893.679 $\pm$ 1.124 χ^2 /NDF: 2645624.8/45

6850.097 $\pm$ 1.569 χ^2 /NDF: 1356176.2/23

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 3079.324 $\pm$ 1535.781 χ^2 /NDF: 1.2/4

Right Out: 2775.793 $\pm$ 1069.534 χ^2 /NDF: 9.7/19

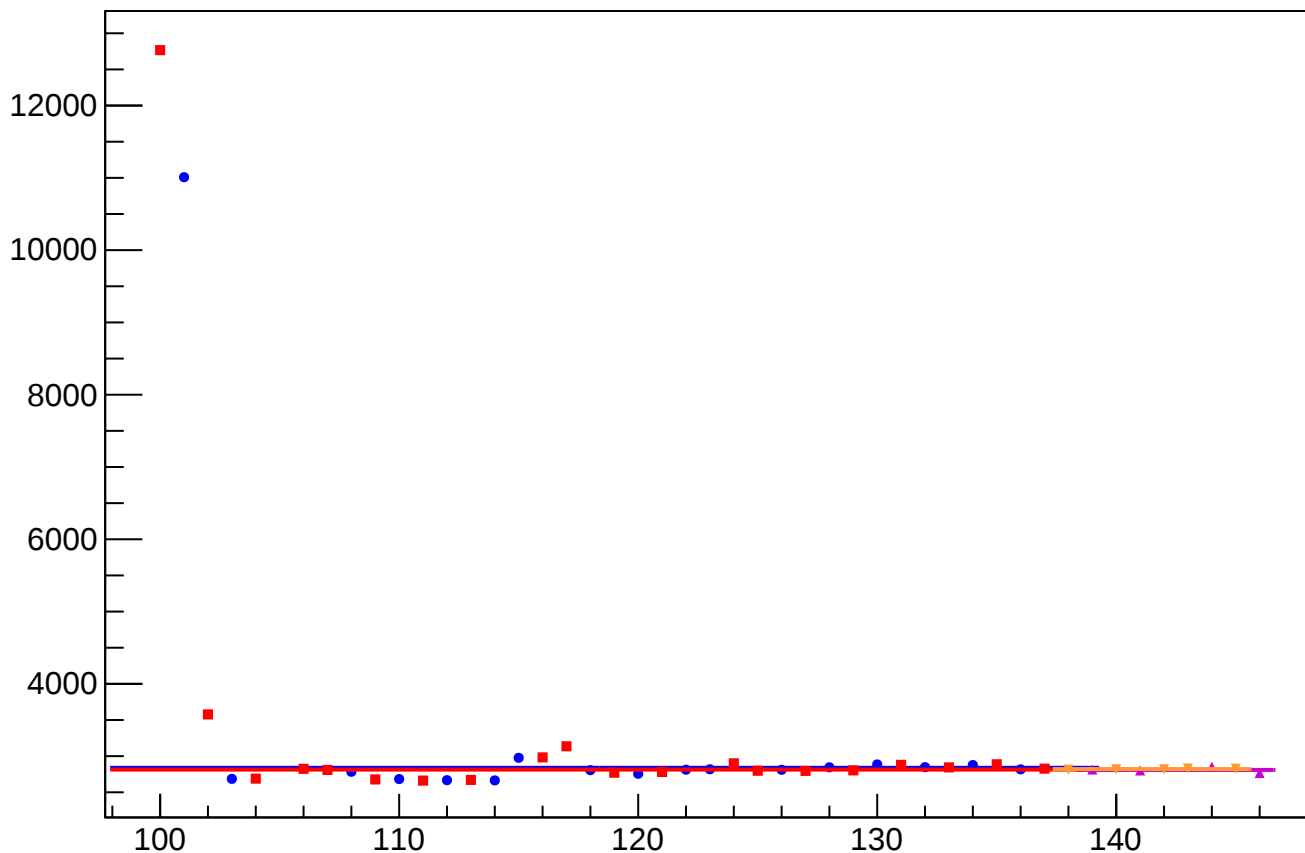
Left In: 6918.245 $\pm$ 1562.487 χ^2 /NDF: 3.7/3

2213.507 $\pm$ 909.401 χ^2 /NDF: 13.9/21

3183.688 $\pm$ 633.345 χ^2 /NDF: 34.3/45

4097.468 $\pm$ 882.572 χ^2 /NDF: 18.2/23

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2838.737+/-0.798 χ^2/NDF : 660209.3/16

Left Out: 2821.317+/-1.086 χ^2/NDF : 31.7/4

Right Out: 2814.083+/-0.756 χ^2/NDF : 133883.7/19

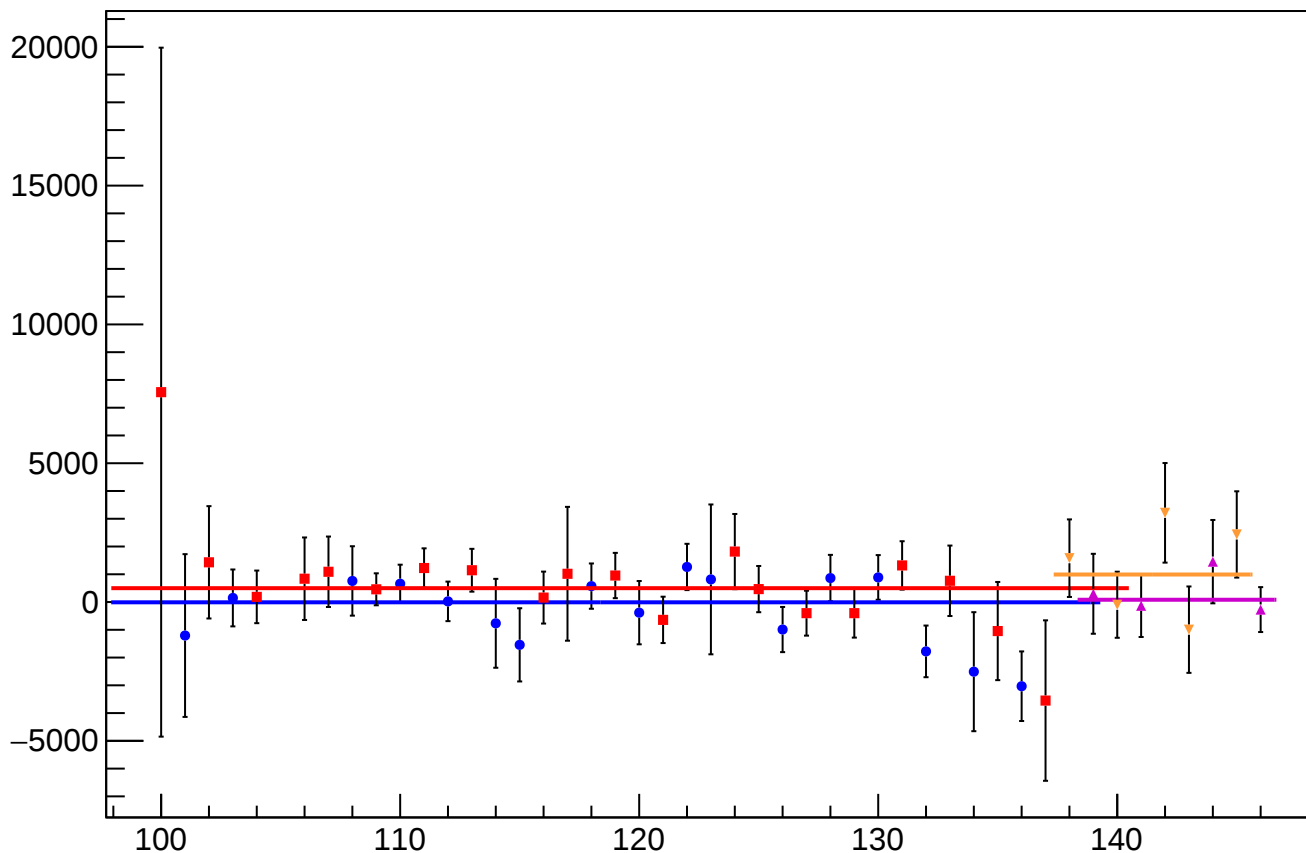
Left In: 2809.136+/-1.105 χ^2/NDF : 834.1/3

2832.629+/-0.643 χ^2/NDF : 660408.1/21

2822.266+/-0.448 χ^2/NDF : 795644.0/45

2812.504+/-0.624 χ^2/NDF : 134731.5/23

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: 991.494 ± 651.449 χ^2/NDF : 5.0/4

Right Out: 499.625 ± 220.558 χ^2/NDF : 11.9/19

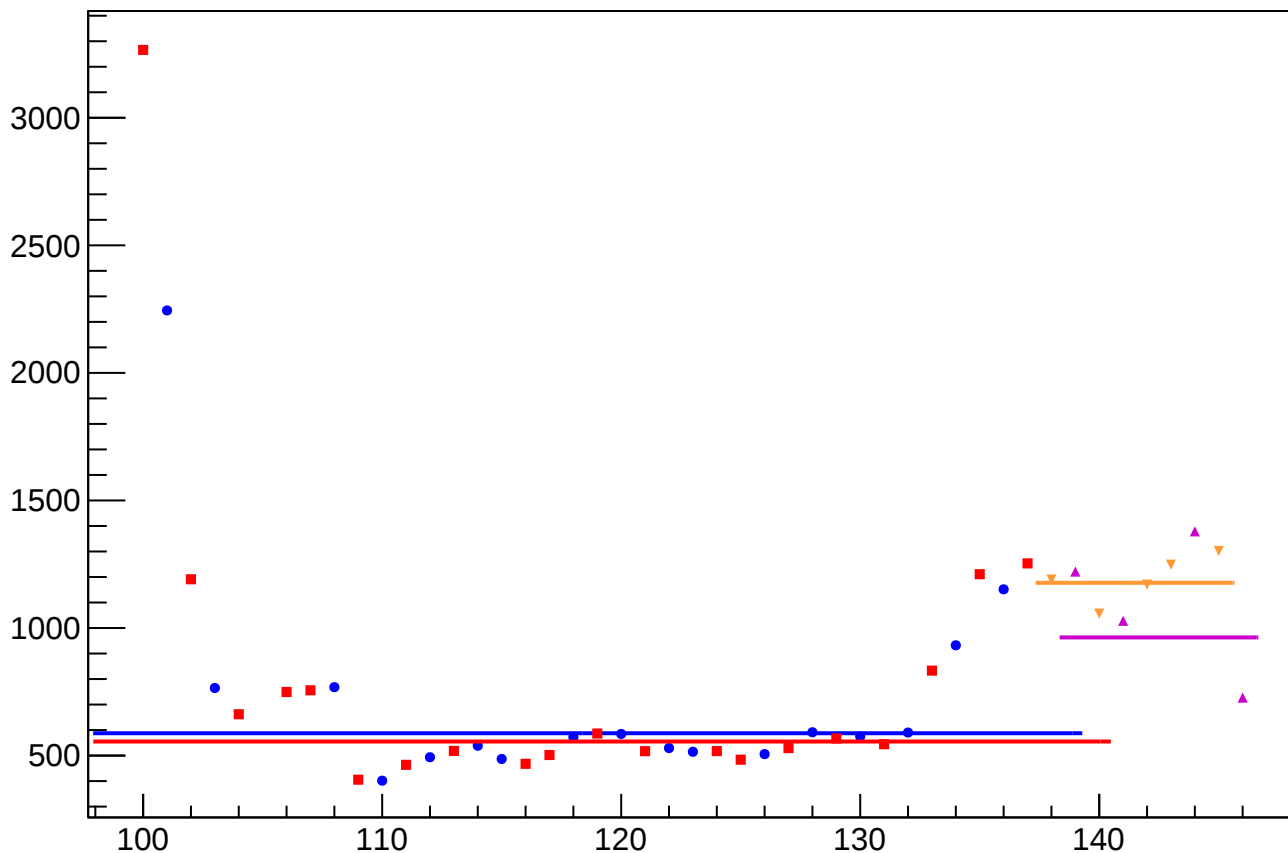
Left In: 82.316 ± 555.147 χ^2/NDF : 1.1/3

111.297 ± 226.588 χ^2/NDF : 27.8/21

293.574 ± 152.007 χ^2/NDF : 42.5/45

442.735 ± 204.973 χ^2/NDF : 13.5/23

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 1177.230+/-0.461 χ^2/NDF : 37891.5/4

Right Out: 555.088+/-0.156 χ^2/NDF : 1107729.2/19

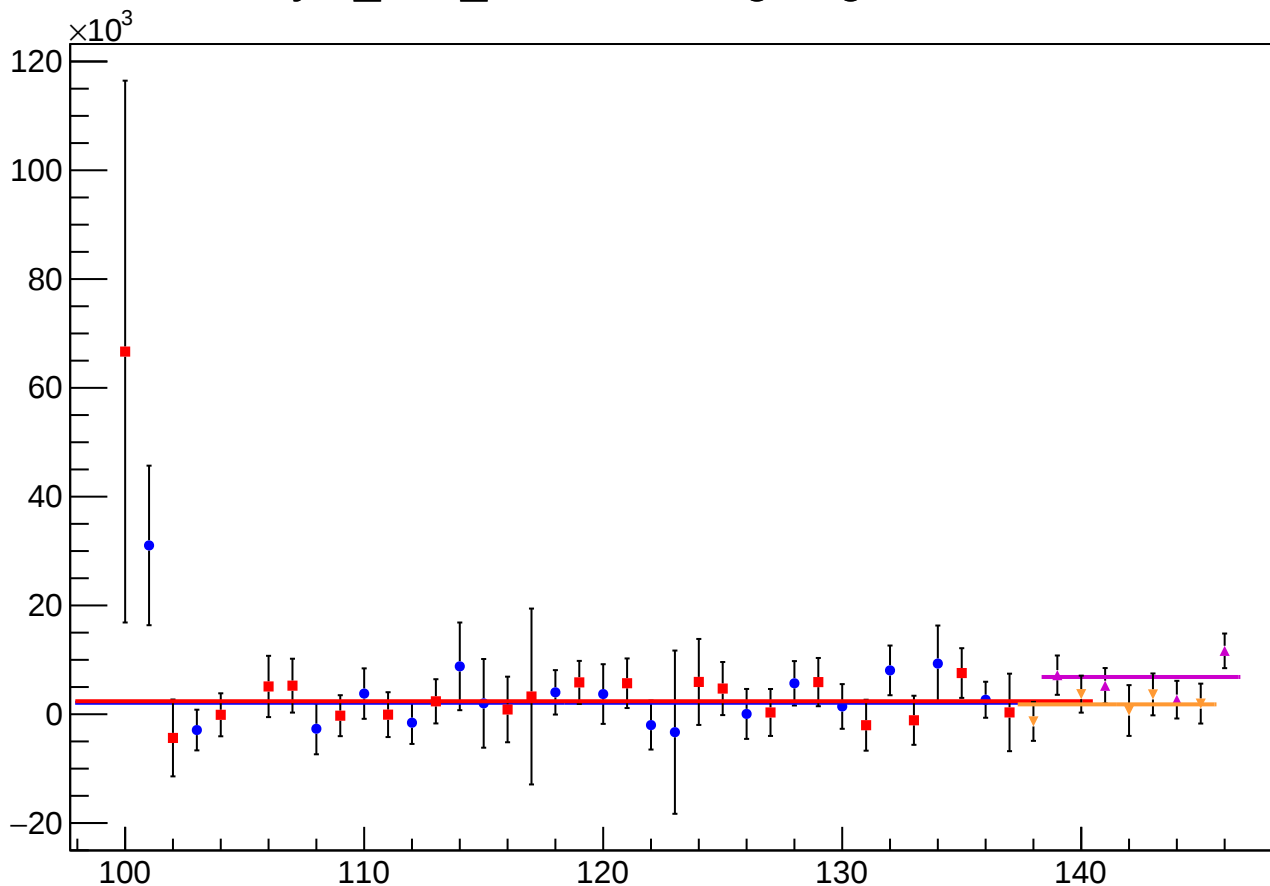
Left In: 963.116+/-0.393 χ^2/NDF : 394494.0/3

658.930+/-0.160 χ^2/NDF : 2903894.8/21

632.413+/-0.107 χ^2/NDF : 5389058.5/45

610.713+/-0.145 χ^2/NDF : 2435356.2/23

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 1814.934 ± 1684.937 χ^2/NDF : 1.4/4

Right Out: 2389.947 ± 1107.639 χ^2/NDF : 9.9/19

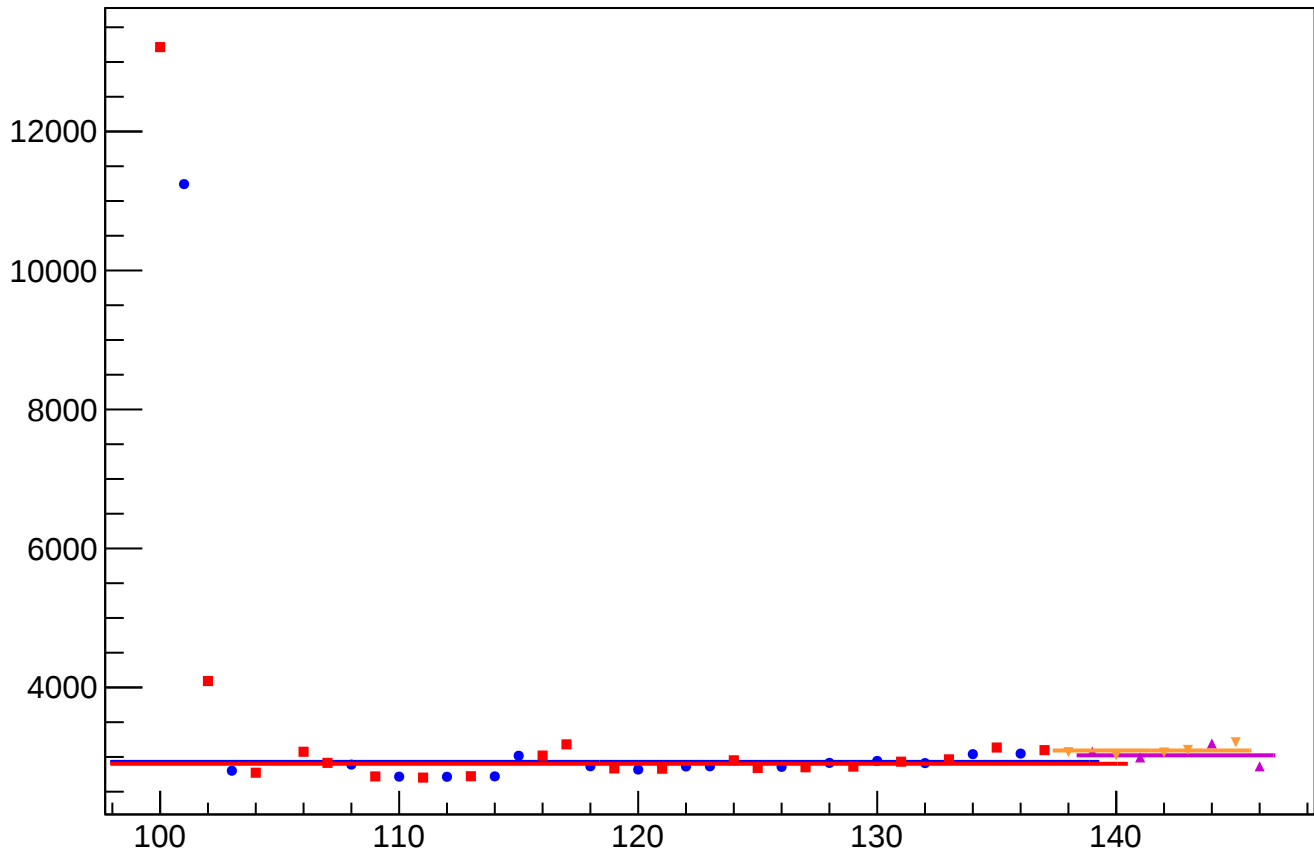
Left In: 6848.463 ± 1683.107 χ^2/NDF : 4.0/3

2013.621 ± 957.882 χ^2/NDF : 14.9/21

2905.331 ± 665.490 χ^2/NDF : 35.3/45

3737.331 ± 925.257 χ^2/NDF : 18.8/23

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 3092.971+/-1.191 χ^2/NDF : 3115.6/4

Right Out: 2901.790+/-0.783 χ^2/NDF : 170320.9/19

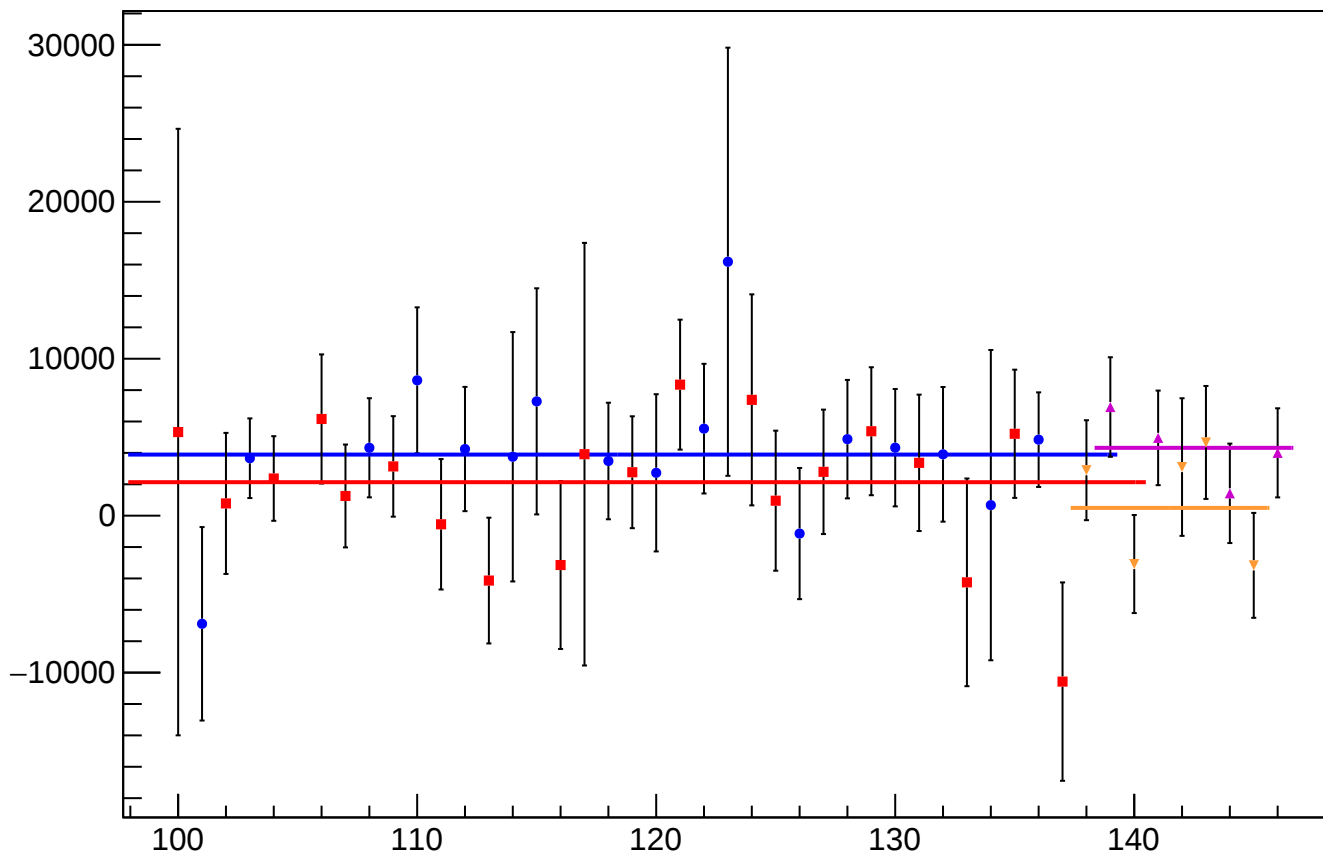
Left In: 3023.554+/-1.190 χ^2/NDF : 10413.7/3

2981.791+/-0.677 χ^2/NDF : 678344.7/21

2959.441+/-0.471 χ^2/NDF : 868488.2/45

2938.588+/-0.654 χ^2/NDF : 188038.8/23

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 495.480+/-1543.370 χ^2/NDF : 4.8/4

Right Out: 2133.736+/-955.999 χ^2/NDF : 14.4/19

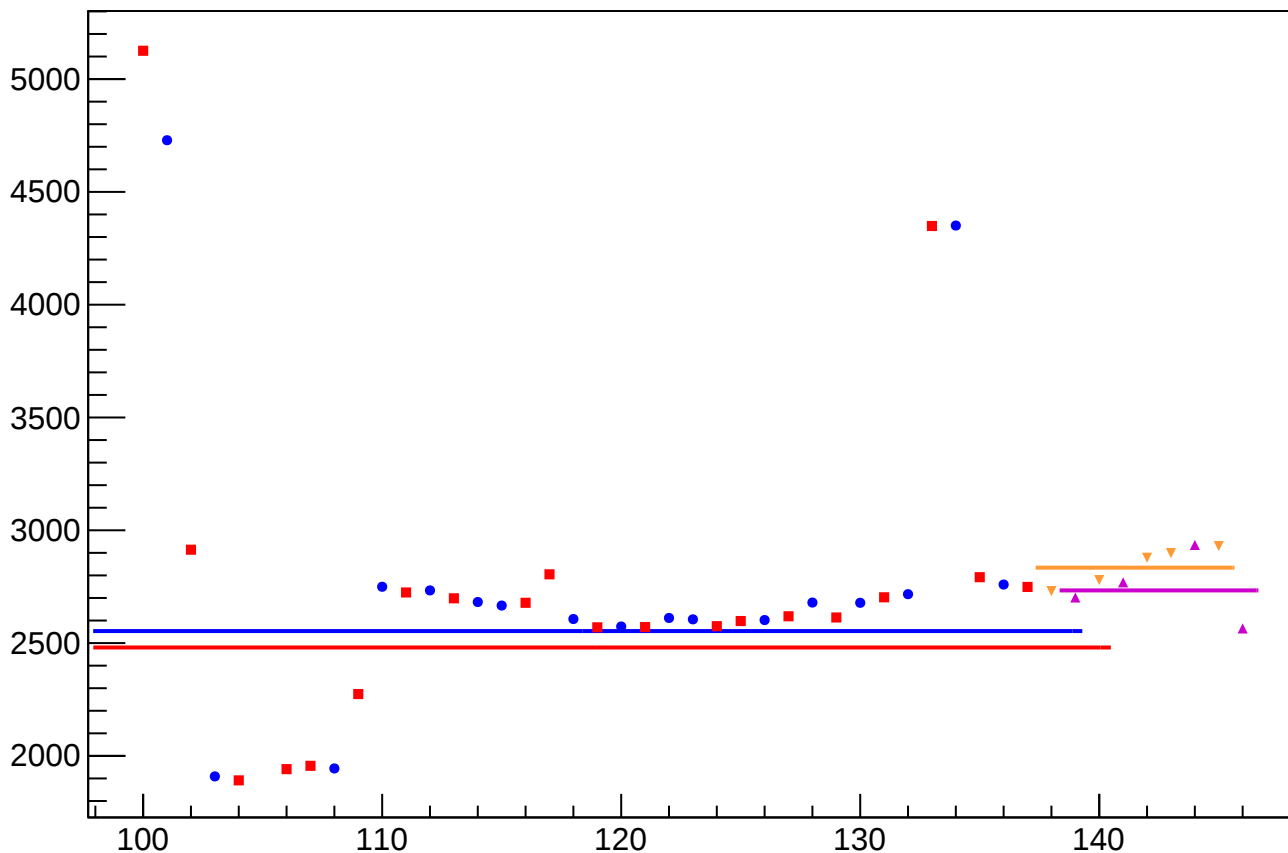
Left In: 4322.091+/-1519.276 χ^2/NDF : 1.6/3

2871.497+/-846.126 χ^2/NDF : 15.3/21

2810.357+/-584.786 χ^2/NDF : 32.7/45

2754.447+/-809.138 χ^2/NDF : 17.4/23

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2834.289+/-1.091 χ^2/NDF : 5227.3/4

Right Out: 2480.504+/-0.676 χ^2/NDF : 450669.1/19

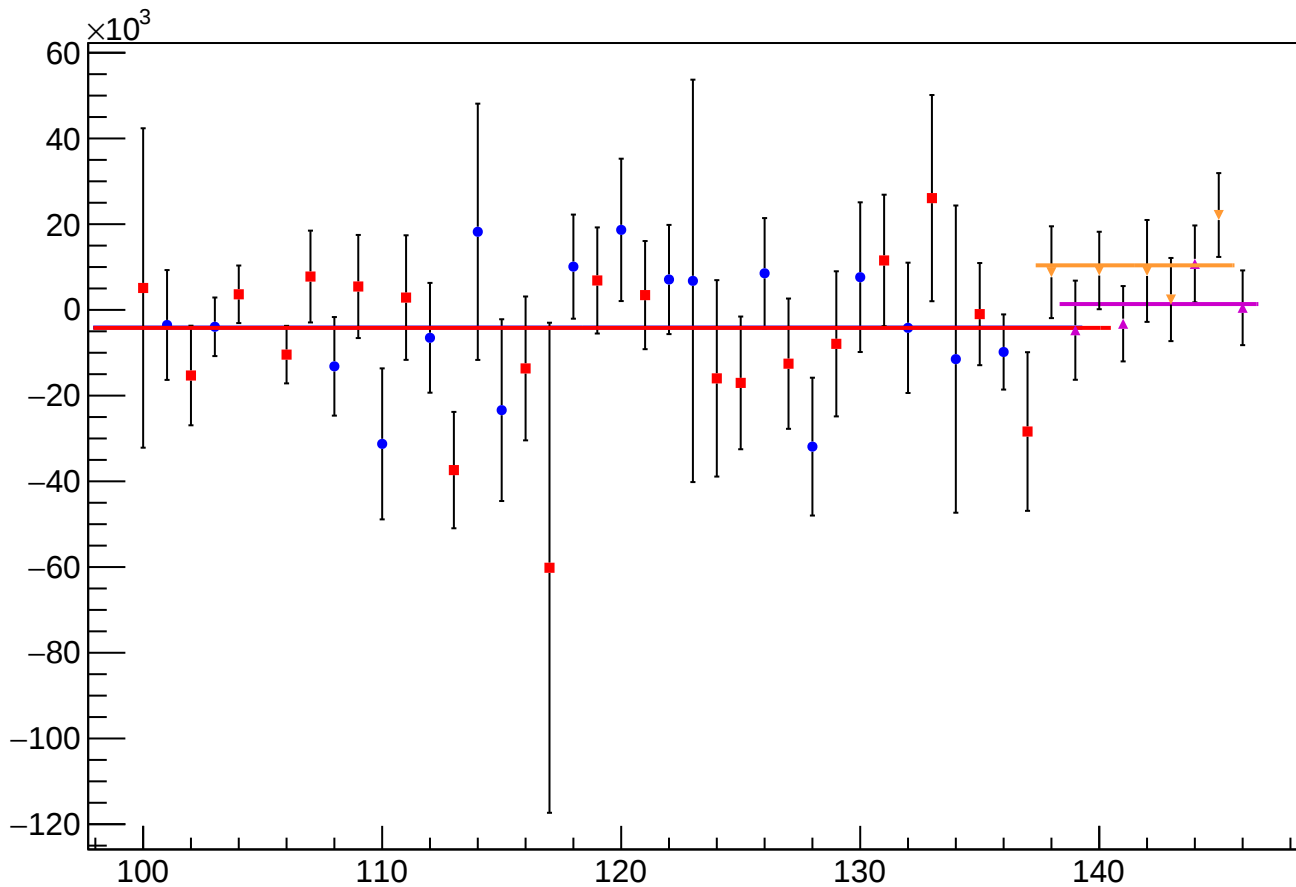
Left In: 2733.541+/-1.074 χ^2/NDF : 15620.8/3

2637.740+/-0.598 χ^2/NDF : 596828.6/21

2593.099+/-0.414 χ^2/NDF : 1113519.2/45

2552.275+/-0.572 χ^2/NDF : 506032.4/23

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 10397.028 ± 4512.135 χ^2/NDF : 2.2/4

Right Out: -4197.870 ± 2830.850 χ^2/NDF : 19.5/19

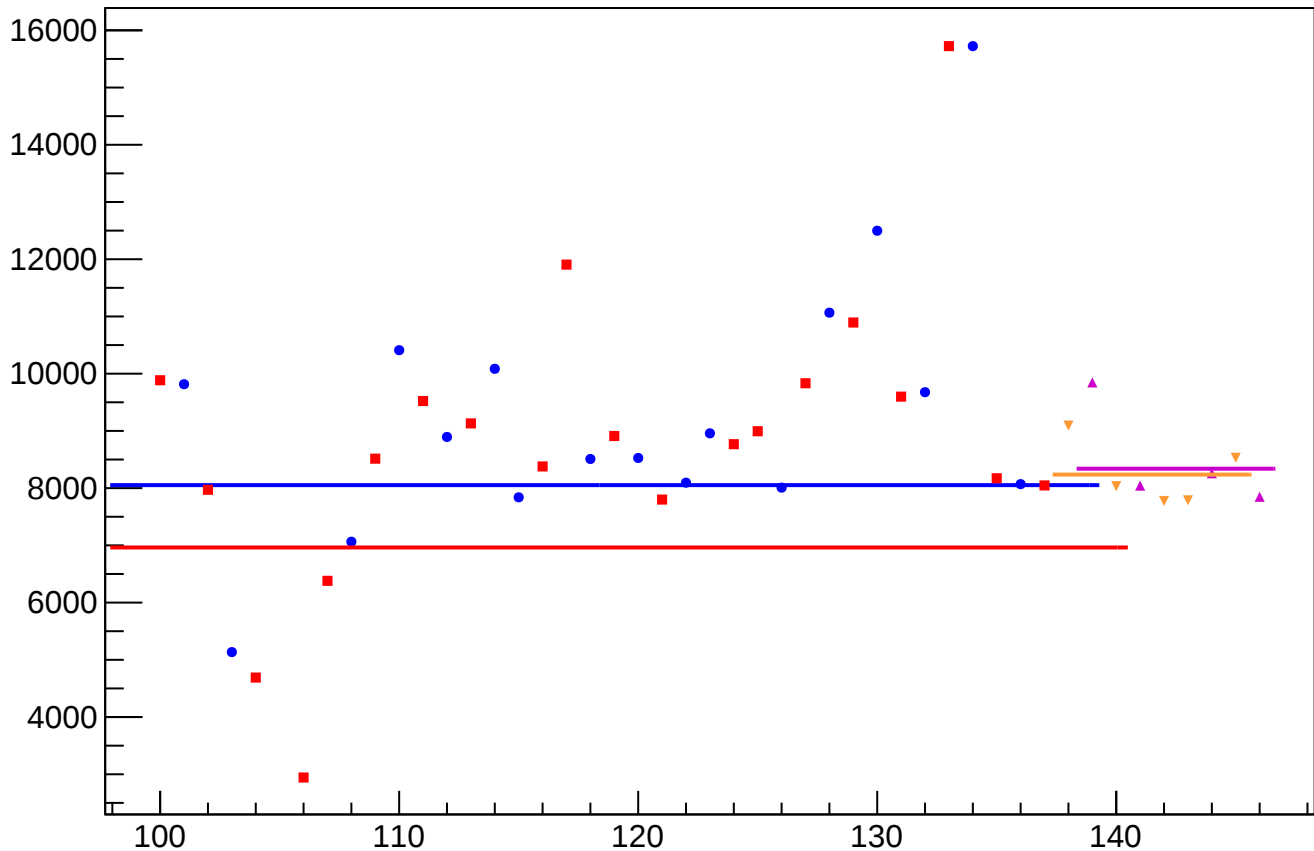
Left In: 1362.918 ± 4662.289 χ^2/NDF : 1.7/3

788.461 ± 2624.828 χ^2/NDF : 22.4/21

-1097.364 ± 1779.104 χ^2/NDF : 45.5/45

-2700.002 ± 2419.735 χ^2/NDF : 22.2/23

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8052.552+/-2.282 χ^2/NDF : 790724.2/16

Left Out: 8236.765+/-3.191 χ^2/NDF : 22888.4/4

Right Out: 6963.091+/-2.002 χ^2/NDF : 1791563.9/19

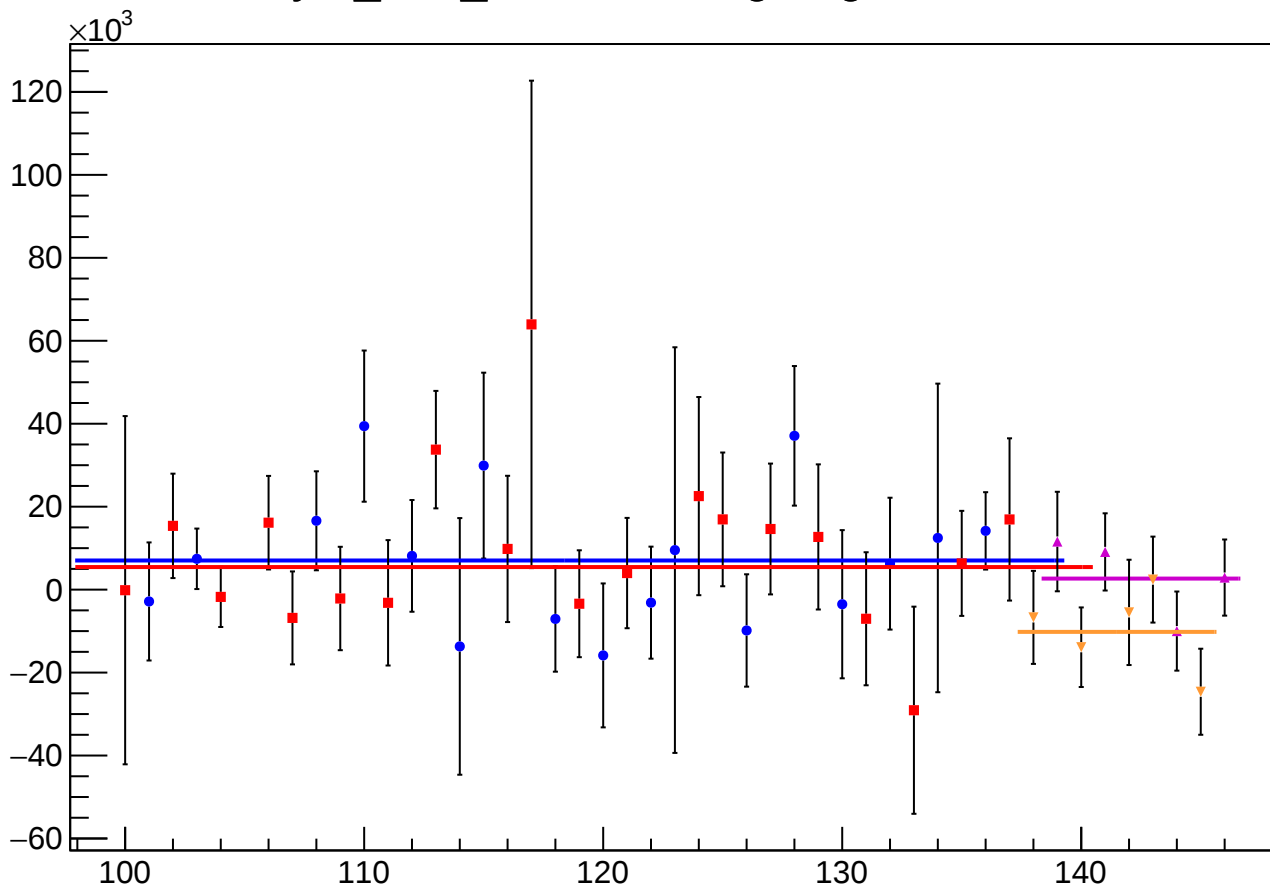
Left In: 8339.580+/-3.297 χ^2/NDF : 42741.3/3

8114.891+/-1.856 χ^2/NDF : 815818.1/21

7692.677+/-1.258 χ^2/NDF : 2873222.0/45

7333.865+/-1.711 χ^2/NDF : 1961678.7/23

asym_atr2_mean vs Slug, Sign Corrected



Right In: 7025.400+/-3409.490 χ^2/NDF : 15.0/16

Left Out: -10186.235+/-4787.552 χ^2/NDF : 3.8/4

Right Out: 5441.890+/-3163.600 χ^2/NDF : 14.3/19

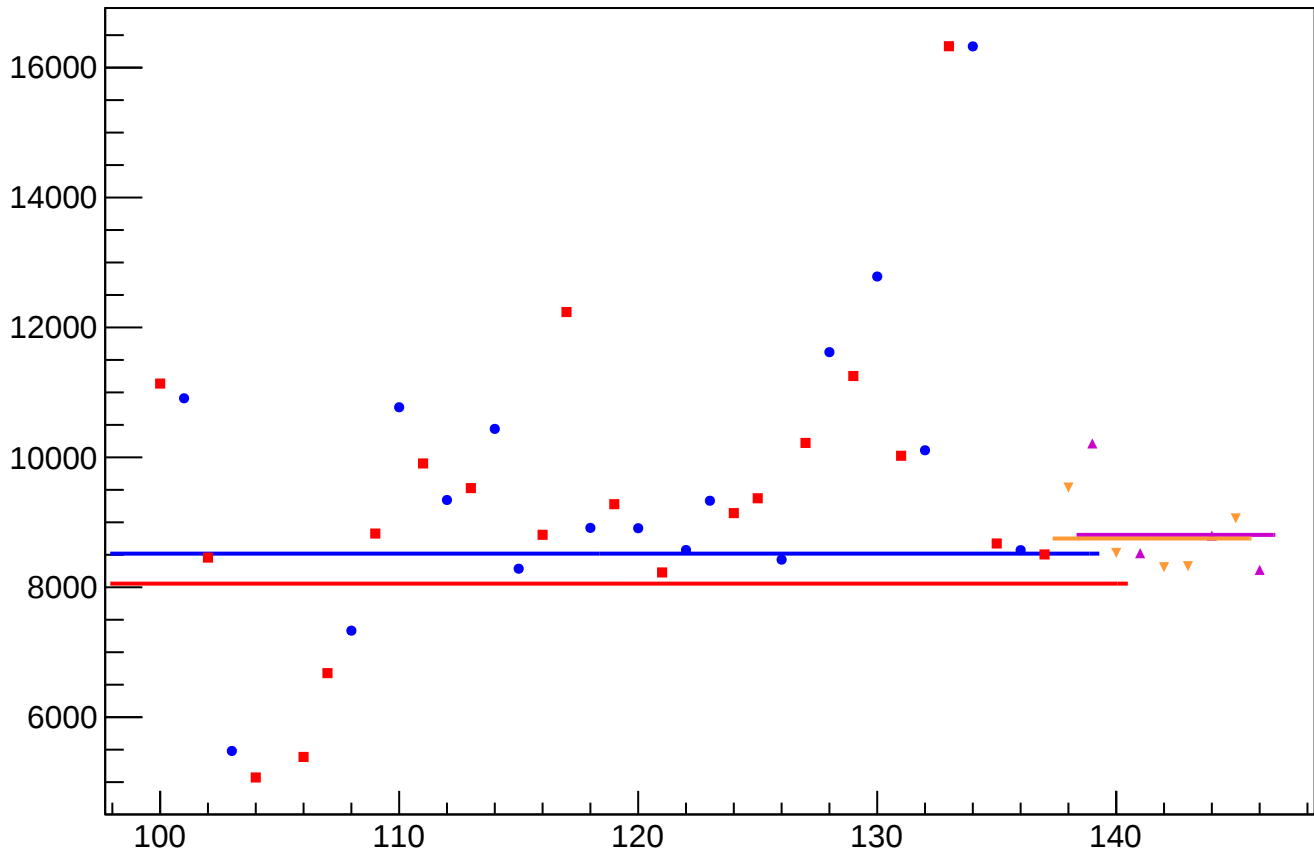
Left In: 2664.027+/-4917.141 χ^2/NDF : 2.8/3

1233.618+/-2777.209 χ^2/NDF : 27.4/21

3003.958+/-1921.199 χ^2/NDF : 45.5/45

4628.652+/-2660.517 χ^2/NDF : 17.4/23

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8517.886 $\pm$ 2.411 χ^2/NDF : 763281.4/16

Left Out: 8750.641 $\pm$ 3.385 χ^2/NDF : 18452.5/4

Right Out: 8056.153 $\pm$ 2.237 χ^2/NDF : 962282.6/19

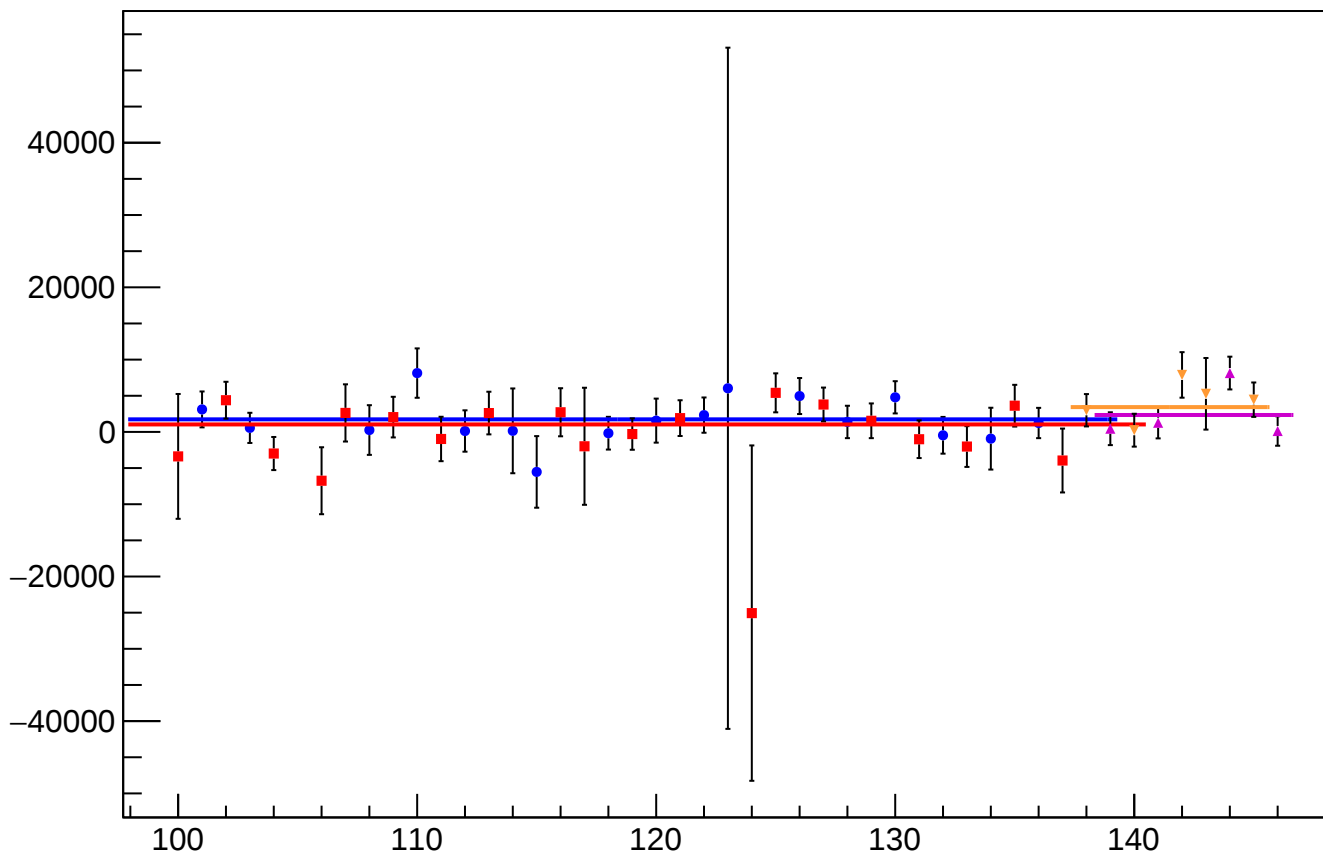
Left In: 8806.430 $\pm$ 3.477 χ^2/NDF : 36287.7/3

8596.209 $\pm$ 1.964 χ^2/NDF : 784870.3/21

8429.123 $\pm$ 1.358 χ^2/NDF : 1830255.8/45

8275.790 $\pm$ 1.881 χ^2/NDF : 1031502.9/23

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 3431.994+/-1185.418 χ^2/NDF : 4.3/4

Right Out: 1034.828+/-668.692 χ^2/NDF : 19.0/19

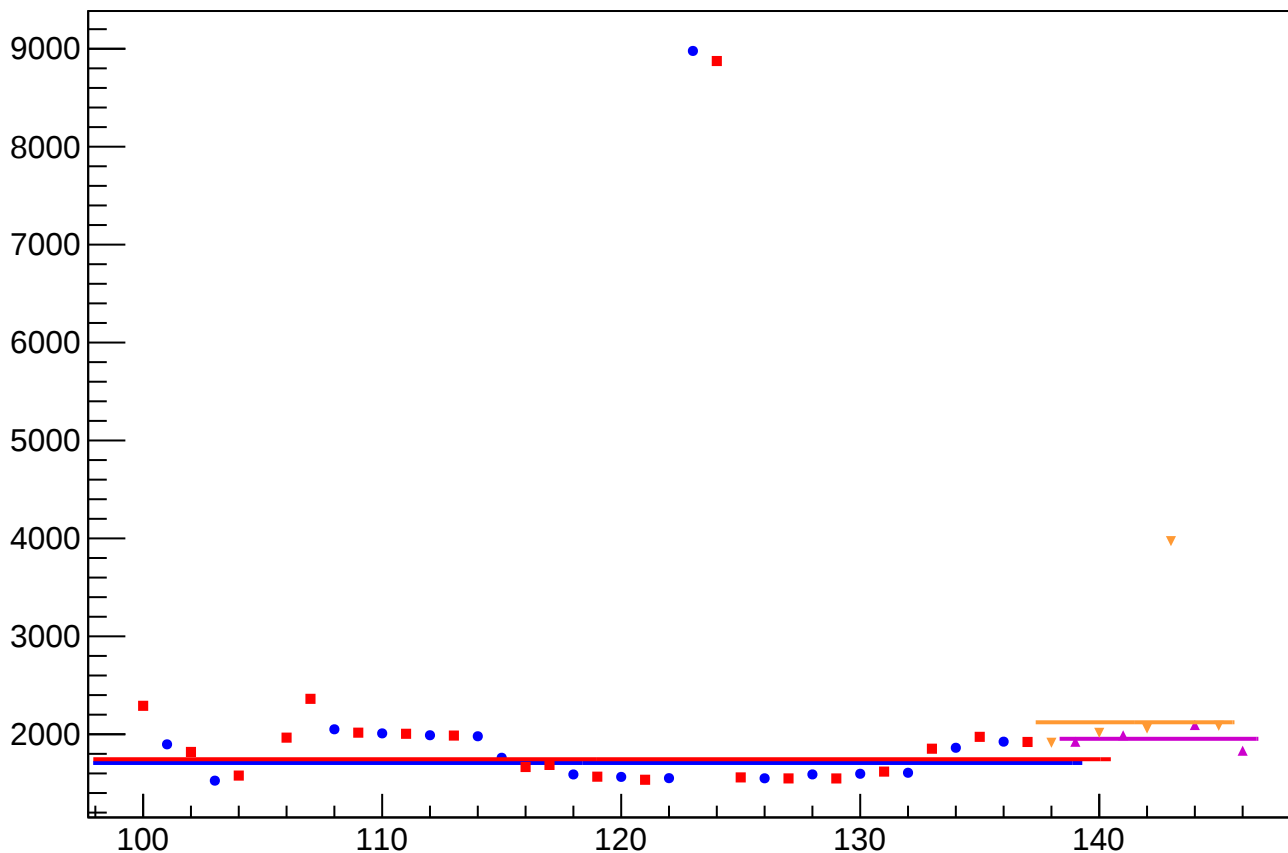
Left In: 2341.809+/-1089.167 χ^2/NDF : 8.7/3

2149.742+/-583.541 χ^2/NDF : 18.3/21

1762.198+/-407.704 χ^2/NDF : 47.9/45

1392.611+/-569.862 χ^2/NDF : 28.7/23

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1706.867 $\pm$ 0.474 χ^2 /NDF: 197555.1/16

Left Out: 2122.255 $\pm$ 0.838 χ^2 /NDF:302224.2/4

Right Out: 1745.037 $\pm$ 0.471 χ^2 /NDF: 399916.1/19

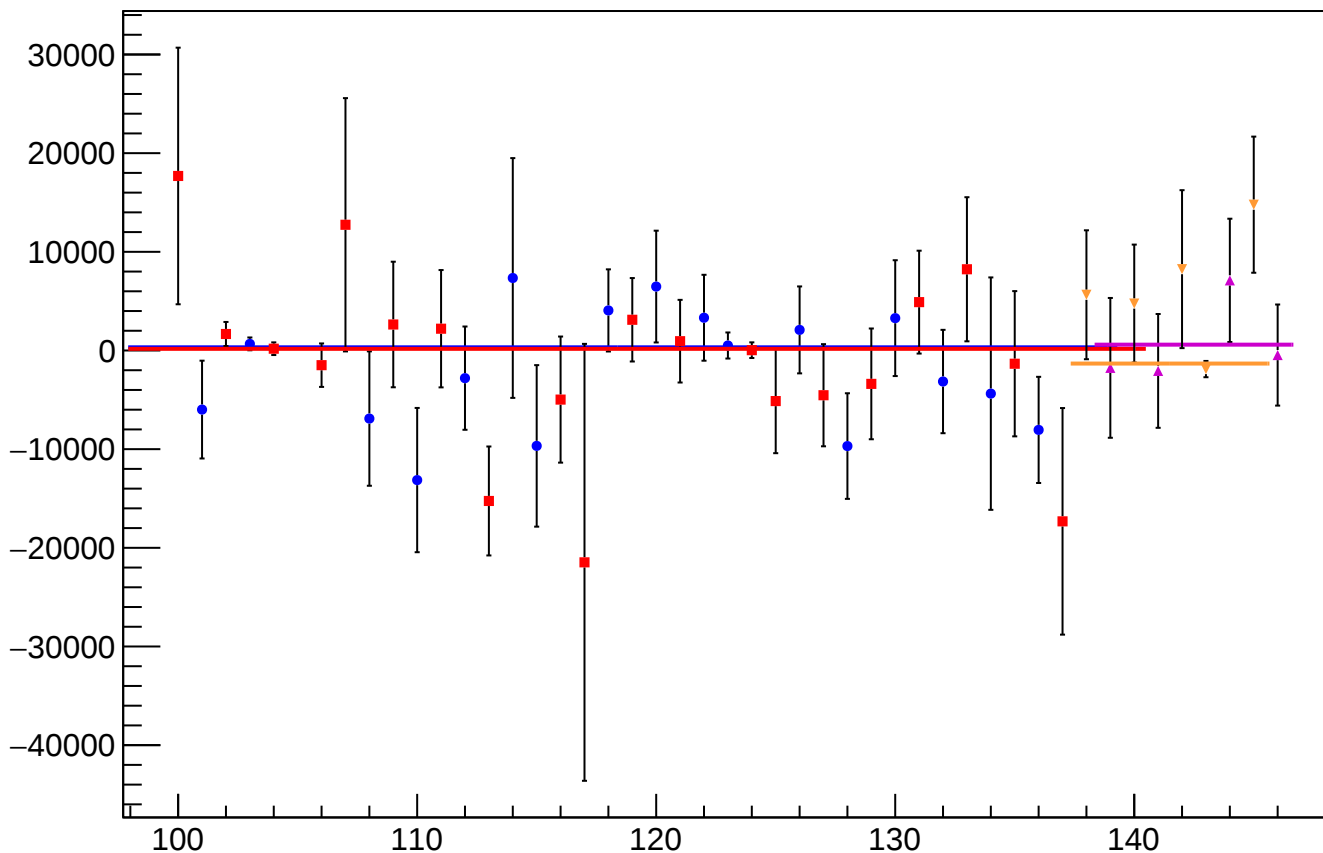
Left In: 1953.612 $\pm$ 0.770 χ^2 /NDF:15744.1/3

1807.526 $\pm$ 0.413 χ^2 /NDF: 685849.7/21

1804.569 $\pm$ 0.288 χ^2 /NDF: 1155005.4/45

1801.767 $\pm$ 0.402 χ^2 /NDF: 469055.7/23

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1325.031 $\pm$ 801.426 χ^2 /NDF:9.5/4

Right Out: 168.343 $\pm$ 433.469 χ^2 /NDF: 21.7/19

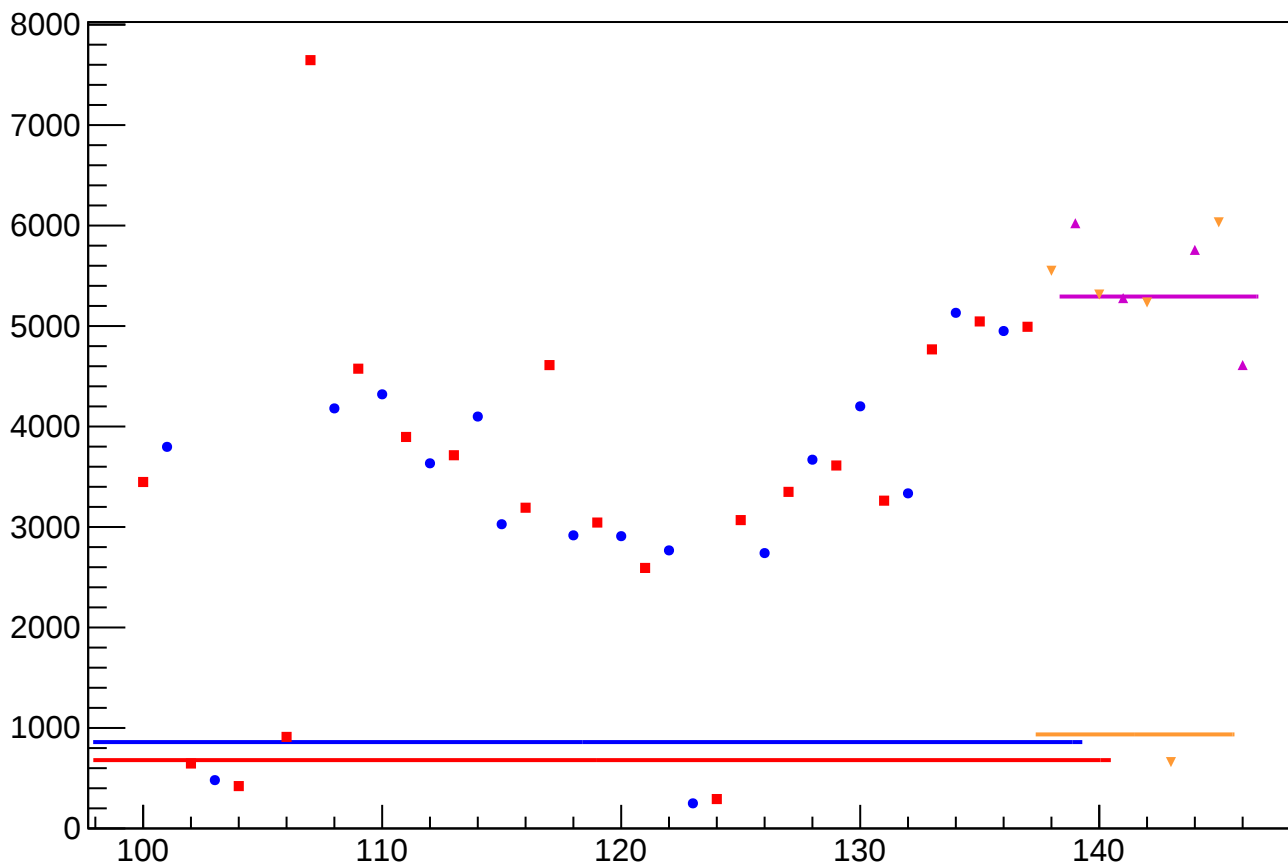
Left In: 590.873 $\pm$ 2965.714 χ^2 /NDF:1.5/3

-193.536 $\pm$ 448.046 χ^2 /NDF: 30.4/21

-0.092 $\pm$ 309.830 χ^2 /NDF: 54.0/45

177.181 $\pm$ 428.911 χ^2 /NDF: 23.2/23

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 859.557+/-0.382 χ^2/NDF : 8143264.5/16

Left Out: 935.866+/-0.567 χ^2/NDF : 3962048.2/4

Right Out: 680.110+/-0.307 χ^2/NDF : 8447884.2/19

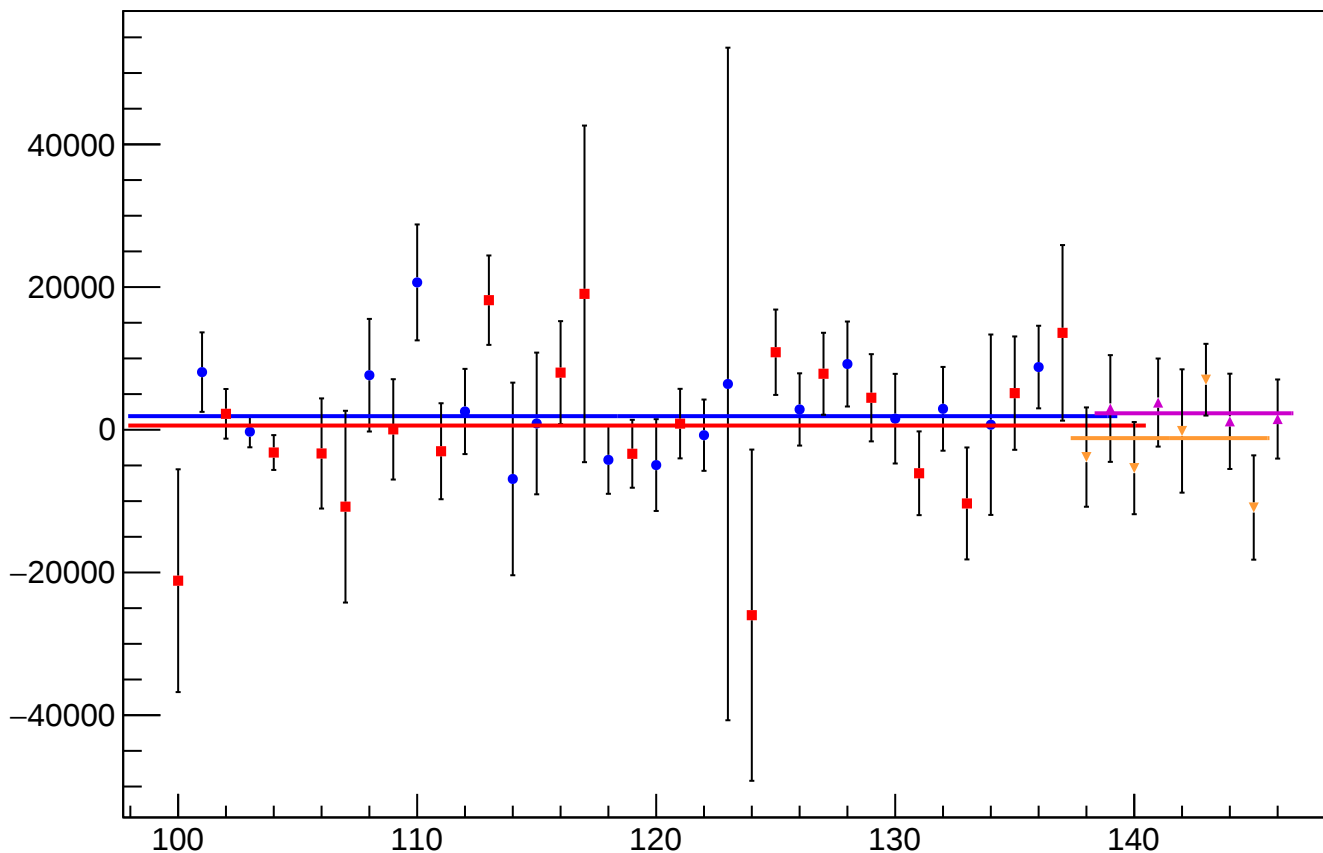
Left In: 5293.584+/-2.097 χ^2/NDF : 67692.2/3

883.407+/-0.317 χ^2/NDF : 12117777.8/21

827.677+/-0.219 χ^2/NDF : 25431227.8/45

776.605+/-0.303 χ^2/NDF : 13254149.8/23

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: -1169.921+/-2932.529 χ^2/NDF : 5.0/4

Right Out: 594.380+/-1283.911 χ^2/NDF : 27.0/19

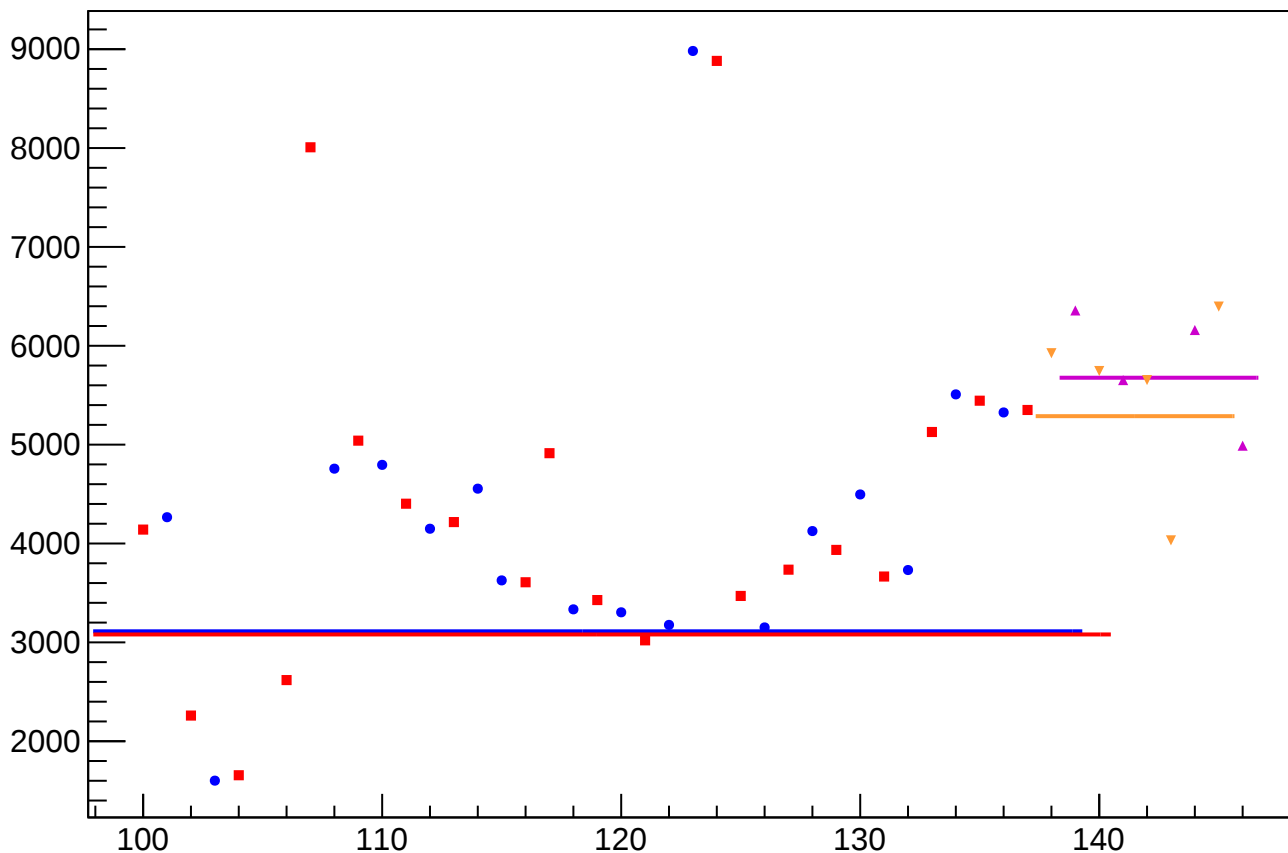
Left In: 2311.136+/-3176.664 χ^2/NDF : 0.1/3

1396.950+/-1196.250 χ^2/NDF : 20.5/21

1114.810+/-843.787 χ^2/NDF : 48.0/45

835.440+/-1190.363 χ^2/NDF : 27.4/23

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5287.957+/-2.074 χ^2/NDF : 201201.5/4

Right Out: 3080.063+/-0.895 χ^2/NDF : 2017746.3/19

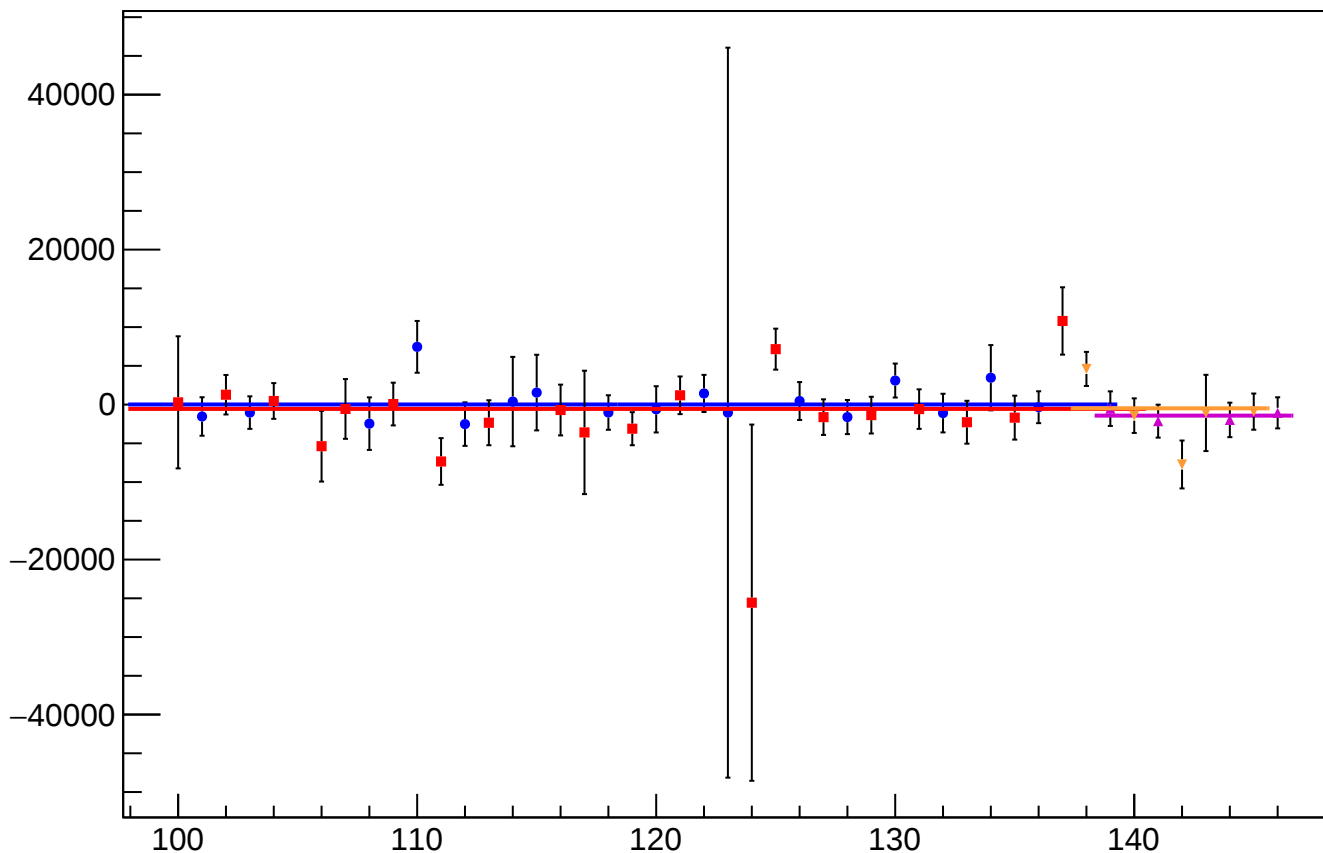
Left In: 5676.815+/-2.246 χ^2/NDF : 57790.1/3

3473.935+/-0.846 χ^2/NDF : 2998824.6/21

3454.471+/-0.593 χ^2/NDF : 6228821.2/45

3435.673+/-0.831 χ^2/NDF : 3228955.8/23

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 14.118 ± 661.101 $\chi^2/\text{NDF}: 11.1/16$

Left Out: -481.016 ± 1164.745 $\chi^2/\text{NDF}: 11.1/4$

Right Out: -558.377 ± 658.875 $\chi^2/\text{NDF}: 26.8/19$

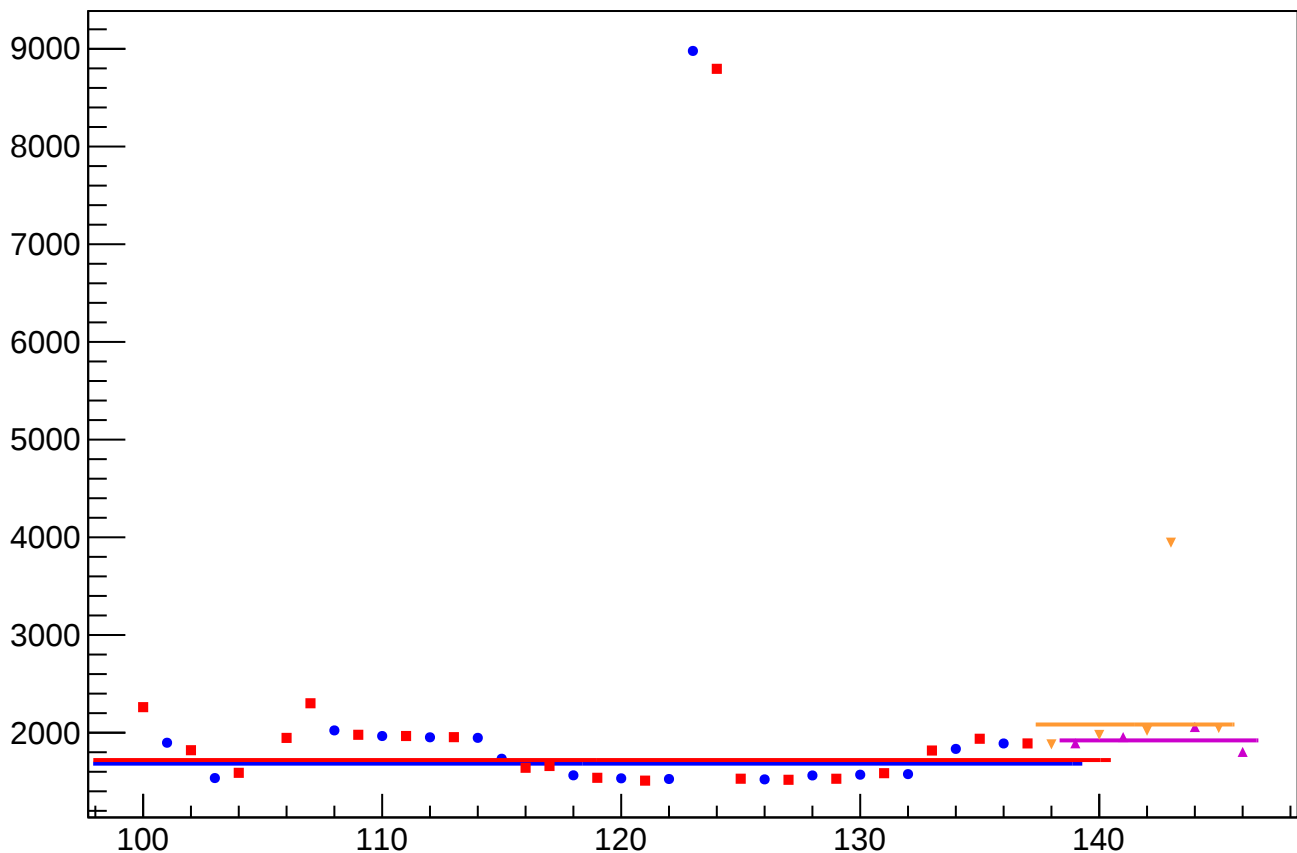
Left In: -1422.283 ± 1071.037 $\chi^2/\text{NDF}: 0.4/3$

-106.528 ± 574.944 $\chi^2/\text{NDF}: 22.3/21$

-459.383 ± 401.595 $\chi^2/\text{NDF}: 50.7/45$

-795.556 ± 561.189 $\chi^2/\text{NDF}: 27.7/23$

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 2083.961+/-0.824 χ^2/NDF : 309286.9/4

Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

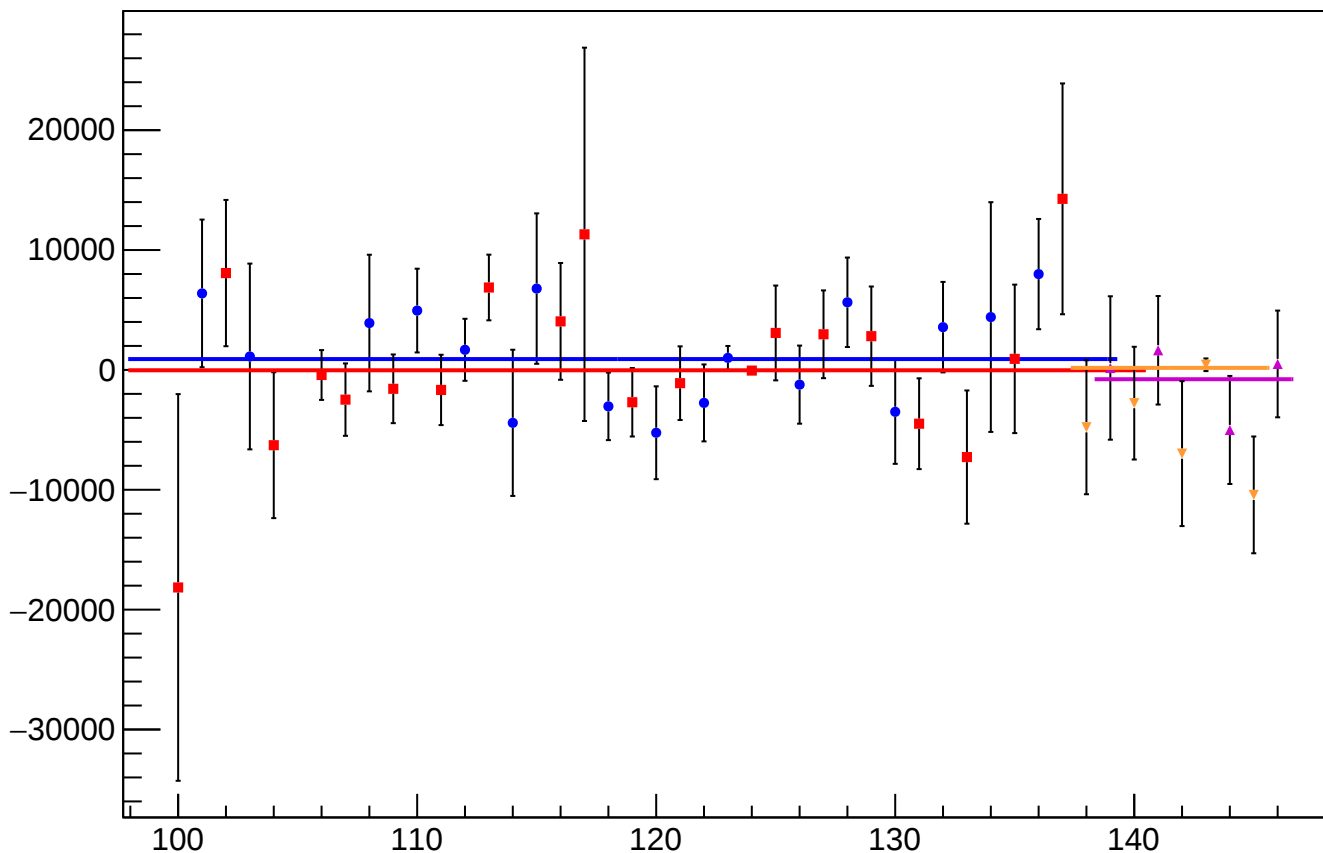
Left In: 1921.211+/-0.757 χ^2/NDF : 15346.3/3

1780.895+/-0.407 χ^2/NDF : 684211.1/21

1777.800+/-0.284 χ^2/NDF : 1147235.3/45

1774.870+/-0.396 χ^2/NDF : 462911.4/23

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 169.248+/-517.274 χ^2/NDF : 7.6/4

Right Out: -32.177+/-357.083 χ^2/NDF : 21.0/19

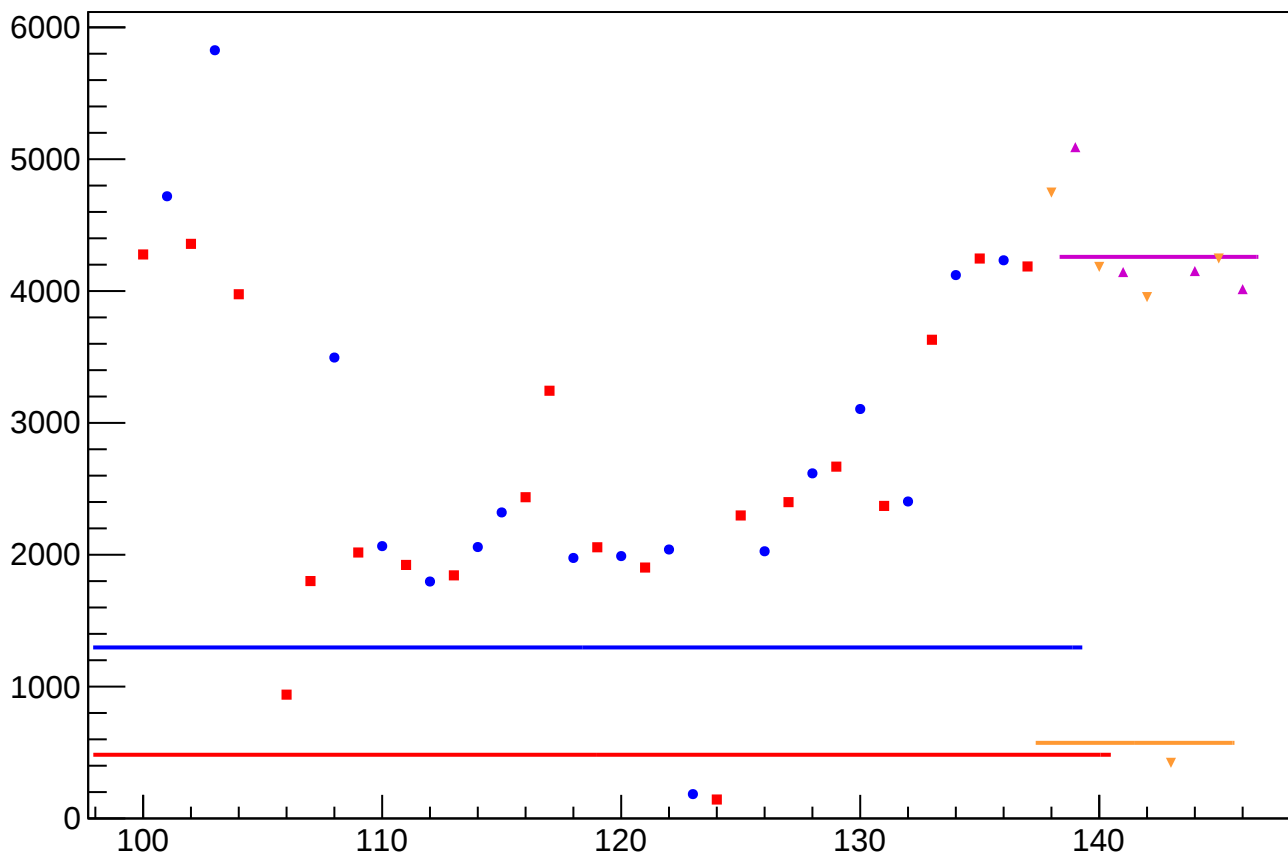
Left In: -777.755+/-2380.803 χ^2/NDF : 1.3/3

425.879+/-417.172 χ^2/NDF : 24.3/21

149.476+/-269.532 χ^2/NDF : 47.4/45

-48.580+/-353.133 χ^2/NDF : 22.4/23

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 573.463+/-0.366 χ^2/NDF : 4221127.8/4

Right Out: 483.029+/-0.252 χ^2/NDF : 10207063.0/19

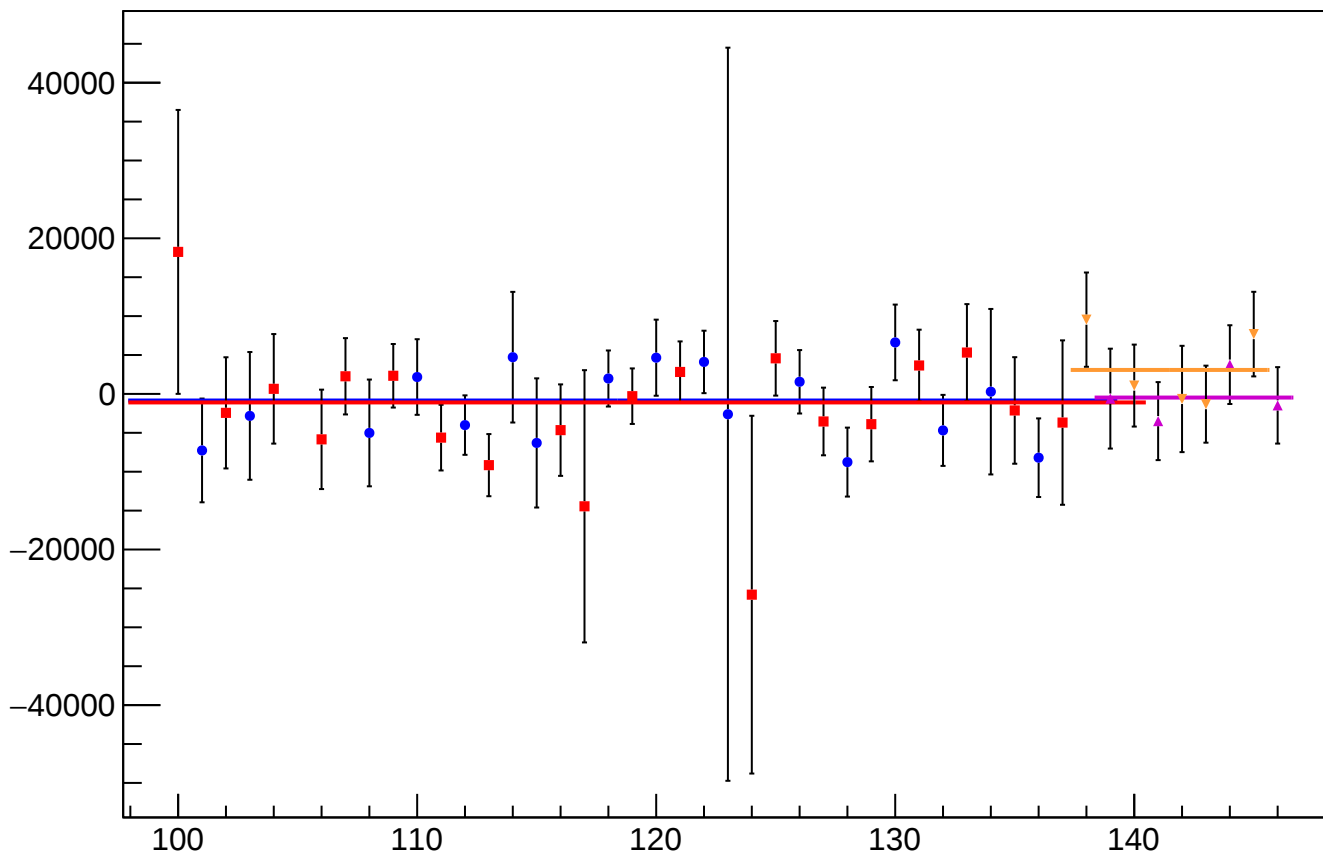
Left In: 4259.284+/-1.683 χ^2/NDF : 47179.2/3

826.404+/-0.295 χ^2/NDF : 12098692.7/21

674.765+/-0.191 χ^2/NDF : 27727439.9/45

566.108+/-0.250 χ^2/NDF : 15175140.2/23

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -849.372 ± 1261.026 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 3080.910 ± 2505.118 $\chi^2/\text{NDF}: 3.1/4$

Right Out: -1095.033 ± 1187.966 $\chi^2/\text{NDF}: 15.6/19$

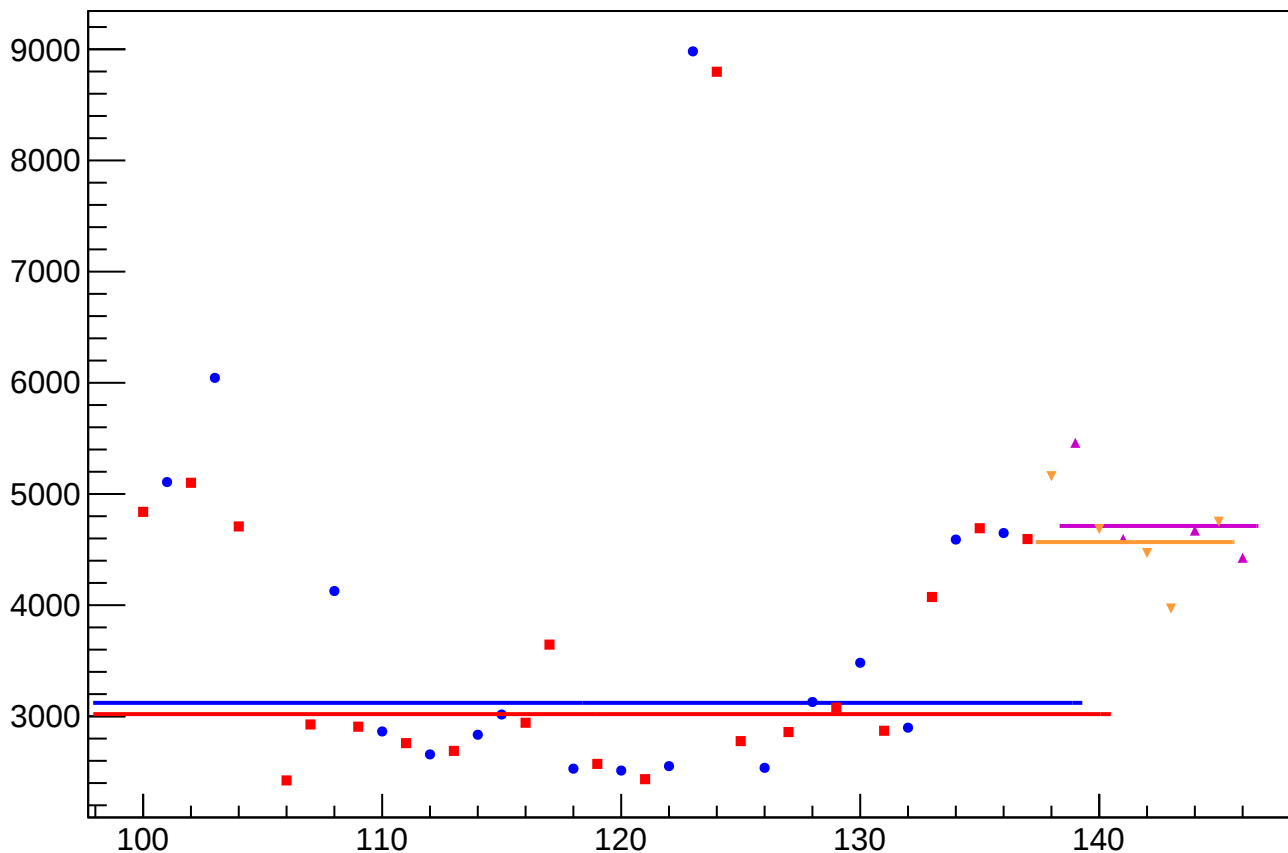
Left In: -469.772 ± 2630.501 $\chi^2/\text{NDF}: 1.1/3$

-54.809 ± 1126.369 $\chi^2/\text{NDF}: 20.5/21$

-540.432 ± 780.558 $\chi^2/\text{NDF}: 37.6/45$

-989.111 ± 1082.678 $\chi^2/\text{NDF}: 16.7/23$

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3121.417 $\pm$ 0.892 χ^2/NDF : 945708.1/16

Left Out: 4567.597 $\pm$ 1.771 χ^2/NDF : 51921.0/4

Right Out: 3020.039 $\pm$ 0.830 χ^2/NDF : 794563.8/19

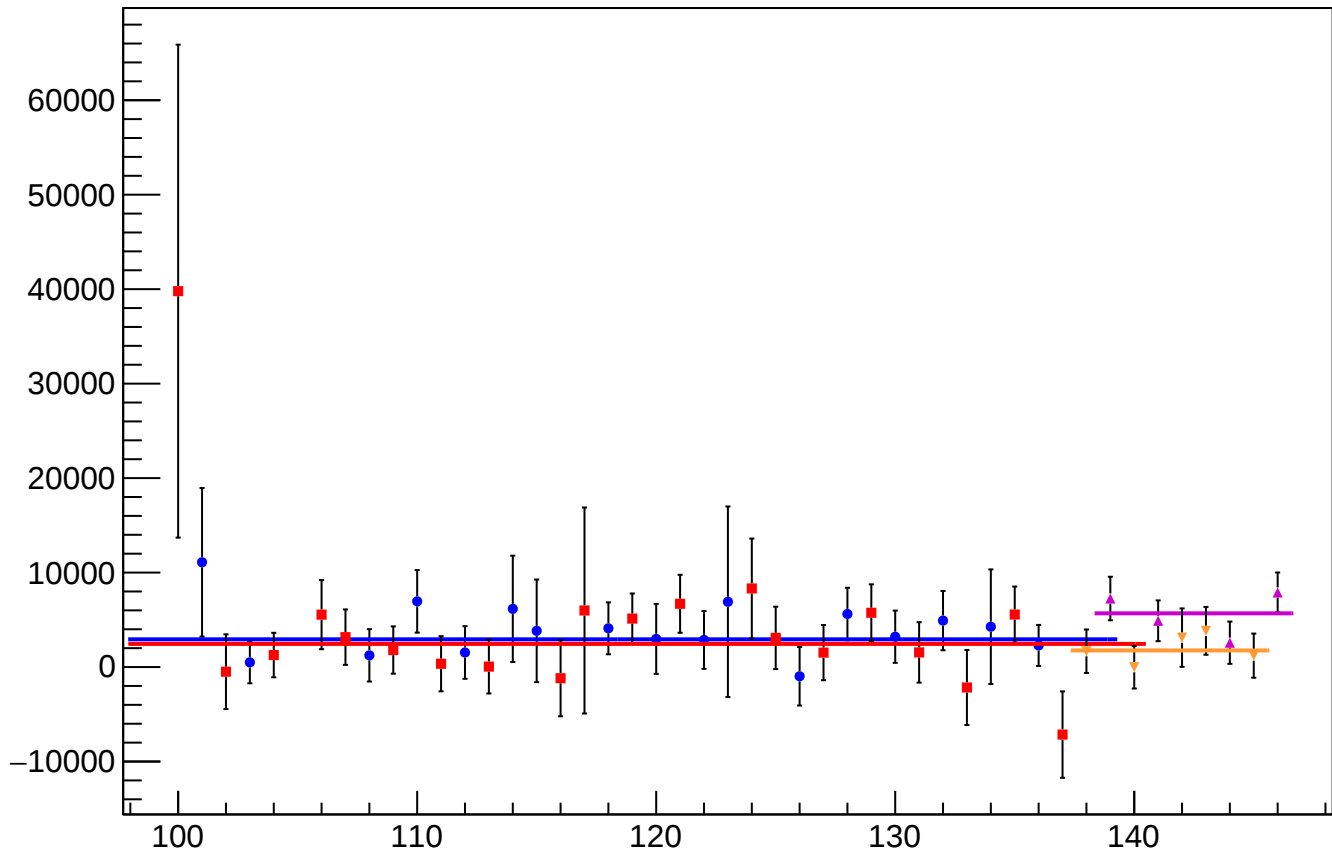
Left In: 4712.466 $\pm$ 1.860 χ^2/NDF : 35158.9/3

3413.781 $\pm$ 0.796 χ^2/NDF : 1529409.5/21

3354.500 $\pm$ 0.549 χ^2/NDF : 3060208.7/45

3300.853 $\pm$ 0.758 χ^2/NDF : 1520245.8/23

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2935.827+/-775.365 χ^2/NDF : 8.2/16

Left Out: 1757.858+/-1098.031 χ^2/NDF : 1.5/4

Right Out: 2449.072+/-738.715 χ^2/NDF : 18.3/19

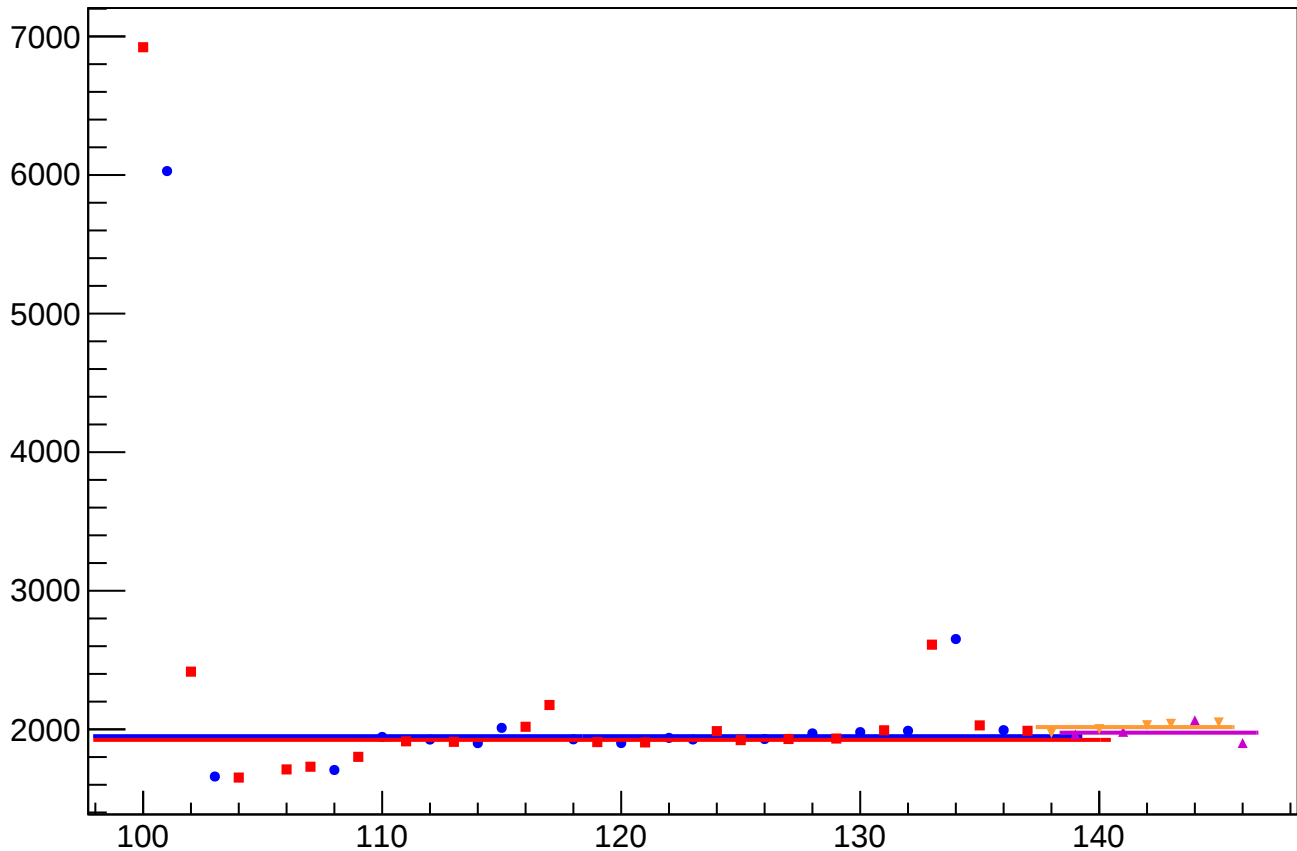
Left In: 5686.390+/-1098.850 χ^2/NDF : 3.6/3

2543.886+/-633.371 χ^2/NDF : 10.5/21

3015.181+/-440.504 χ^2/NDF : 39.4/45

3456.734+/-613.060 χ^2/NDF : 27.9/23

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.615 $\pm$ 0.548 χ^2 /NDF: 617332.2/16

Left Out: 2016.306 $\pm$ 0.776 χ^2 /NDF:1403.3/4

Right Out: 1923.907 $\pm$ 0.521 χ^2 /NDF: 218470.6/19

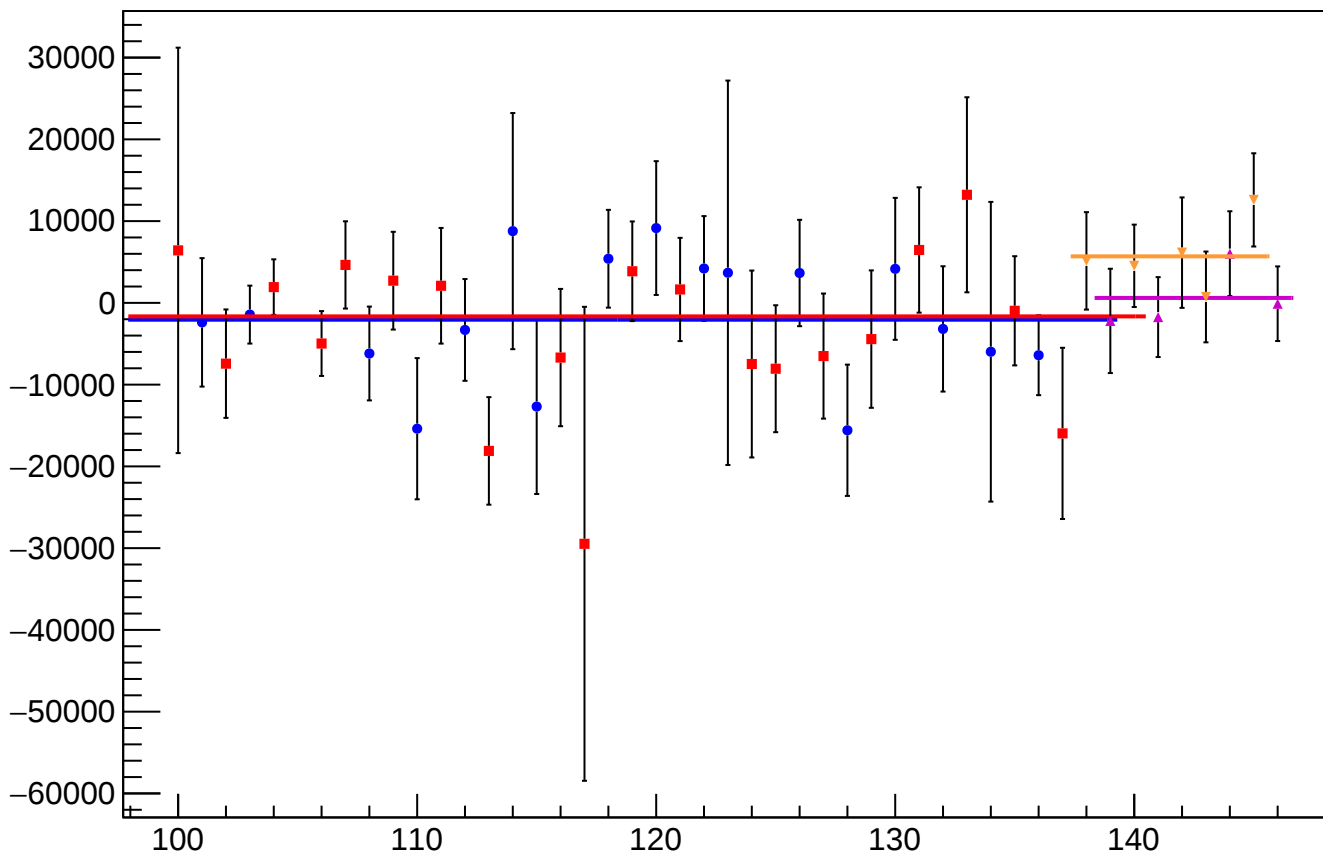
Left In: 1975.929 $\pm$ 0.777 χ^2 /NDF:5762.9/3

1972.472 $\pm$ 0.448 χ^2 /NDF: 623512.0/21

1955.706 $\pm$ 0.311 χ^2 /NDF: 853547.6/45

1940.048 $\pm$ 0.433 χ^2 /NDF: 227325.3/23

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -2056.876 $\pm$ 1661.079 χ^2 /NDF: 14.0/16

Left Out: 5692.055 $\pm$ 2559.448 χ^2 /NDF: 2.3/4

Right Out: -1652.978 $\pm$ 1475.490 χ^2 /NDF: 19.5/19

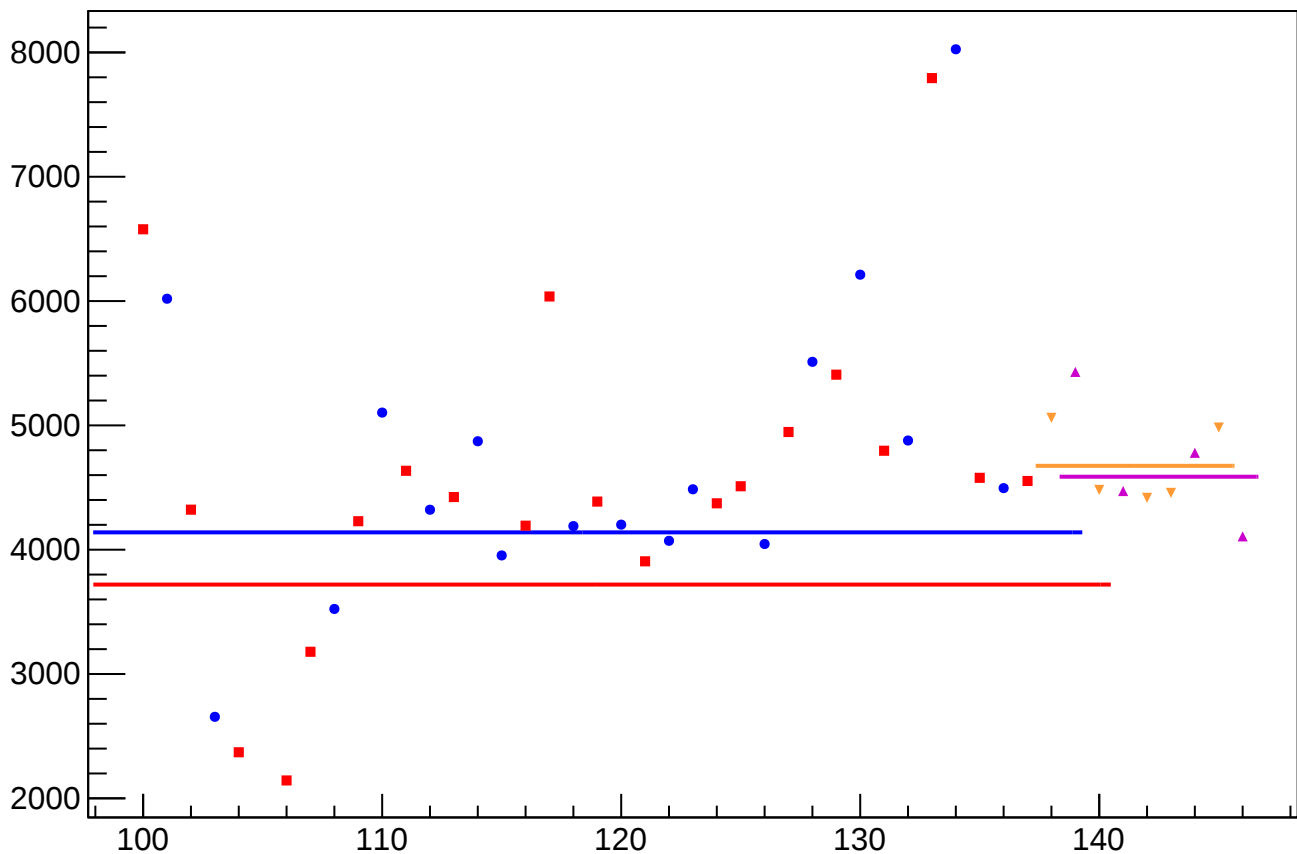
Left In: 604.468 $\pm$ 2568.244 χ^2 /NDF: 1.5/3

239.667 $\pm$ 1393.358 χ^2 /NDF: 22.7/21

-483.273 $\pm$ 942.381 χ^2 /NDF: 44.9/45

-1092.777 $\pm$ 1279.380 χ^2 /NDF: 21.6/23

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4674.778+/-1.810 χ^2/NDF : 23172.4/4

Right Out: 3719.546+/-1.043 χ^2/NDF : 1288644.4/19

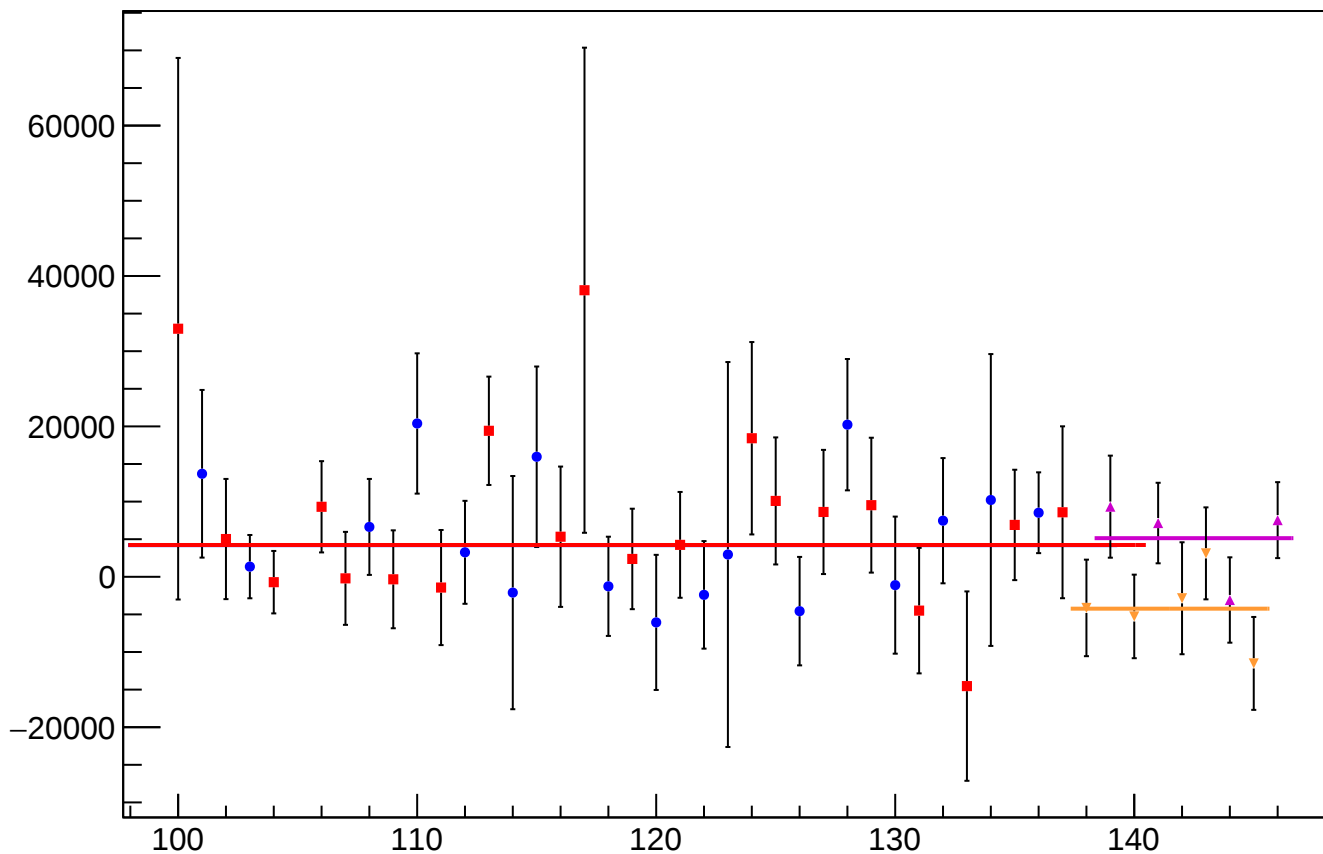
Left In: 4587.147+/-1.816 χ^2/NDF : 60911.1/3

4298.065+/-0.985 χ^2/NDF : 898299.5/21

4100.995+/-0.666 χ^2/NDF : 2493196.2/45

3934.847+/-0.905 χ^2/NDF : 1521158.5/23

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4211.844+/-1871.304 χ^2/NDF : 14.4/16

Left Out: -4237.364+/-2798.699 χ^2/NDF : 2.9/4

Right Out: 4230.596+/-1722.878 χ^2/NDF : 15.9/19

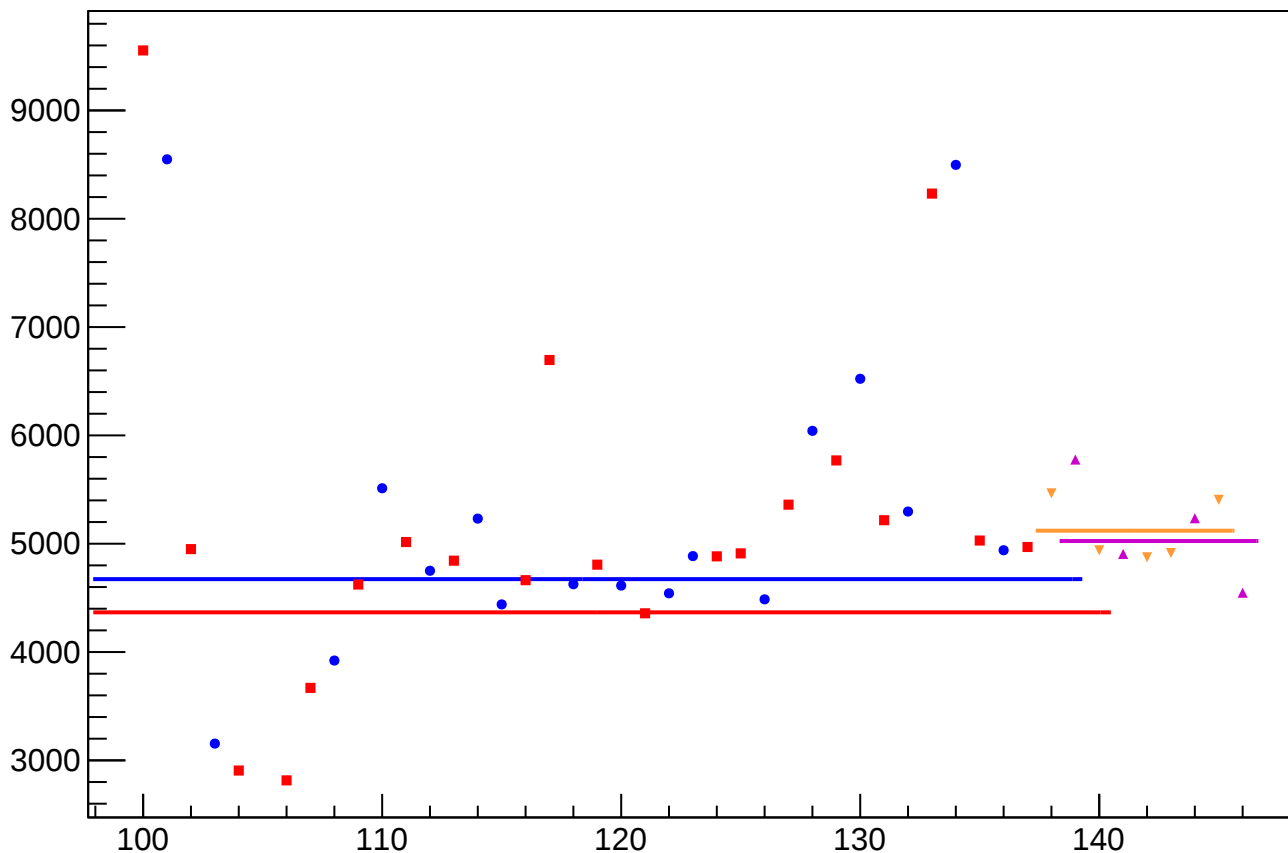
Left In: 5136.795+/-2807.766 χ^2/NDF : 2.8/3

1601.471+/-1555.605 χ^2/NDF : 23.6/21

3122.804+/-1067.839 χ^2/NDF : 44.2/45

4478.468+/-1468.464 χ^2/NDF : 18.8/23

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4673.046 $\pm$ 1.323 χ^2/NDF : 777321.1/16

Left Out: 5120.288 $\pm$ 1.979 χ^2/NDF :16624.0/4

Right Out: 4366.422 $\pm$ 1.211 χ^2/NDF : 842654.3/19

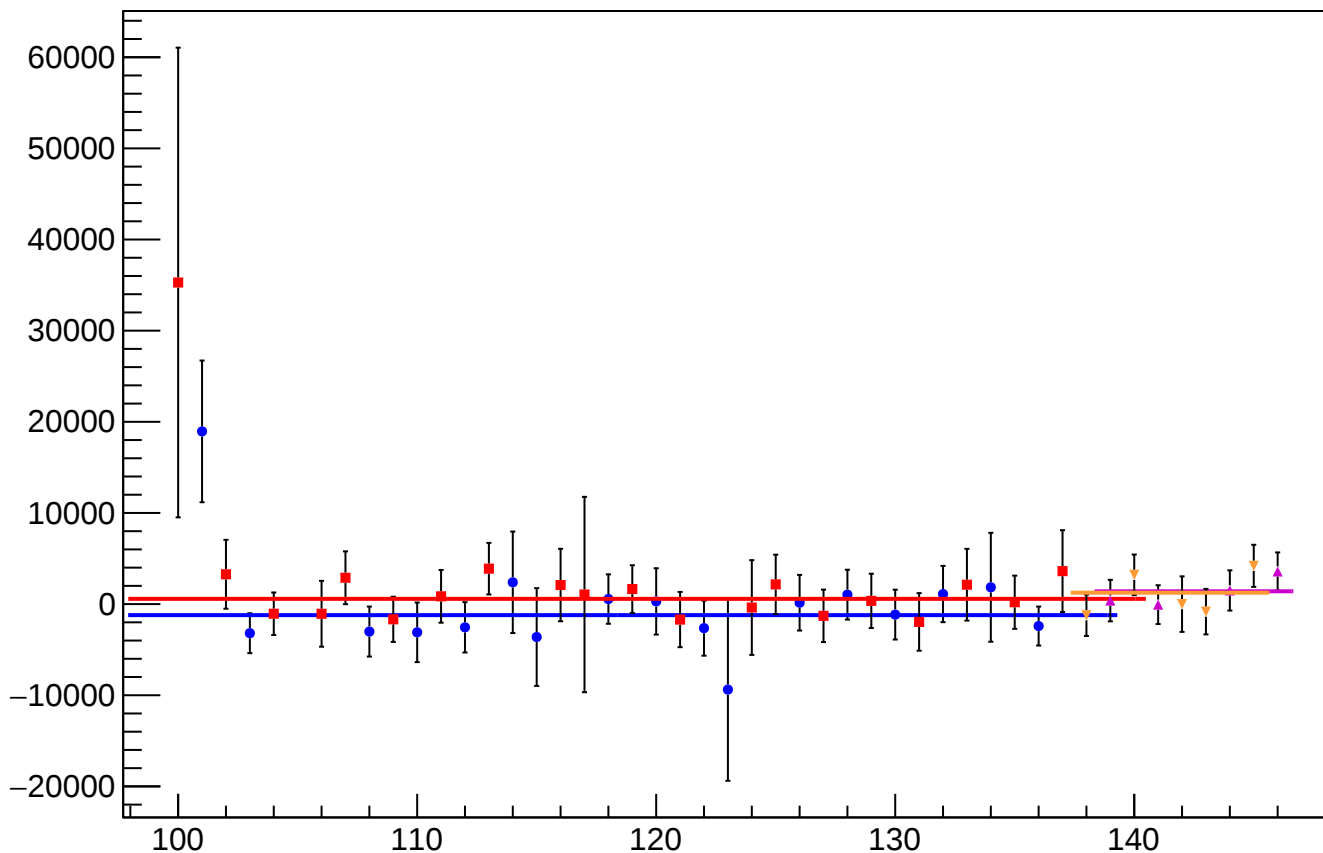
Left In: 5024.973 $\pm$ 1.985 χ^2/NDF :46166.5/3

4811.221 $\pm$ 1.100 χ^2/NDF : 829240.2/21

4669.913 $\pm$ 0.753 χ^2/NDF : 1829327.3/45

4545.048 $\pm$ 1.034 χ^2/NDF : 969001.6/23

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1211.176+/-765.294 χ^2/NDF : 12.7/16

Left Out: 1250.520+/-1083.544 χ^2/NDF : 4.5/4

Right Out: 575.663+/-728.976 χ^2/NDF : 8.7/19

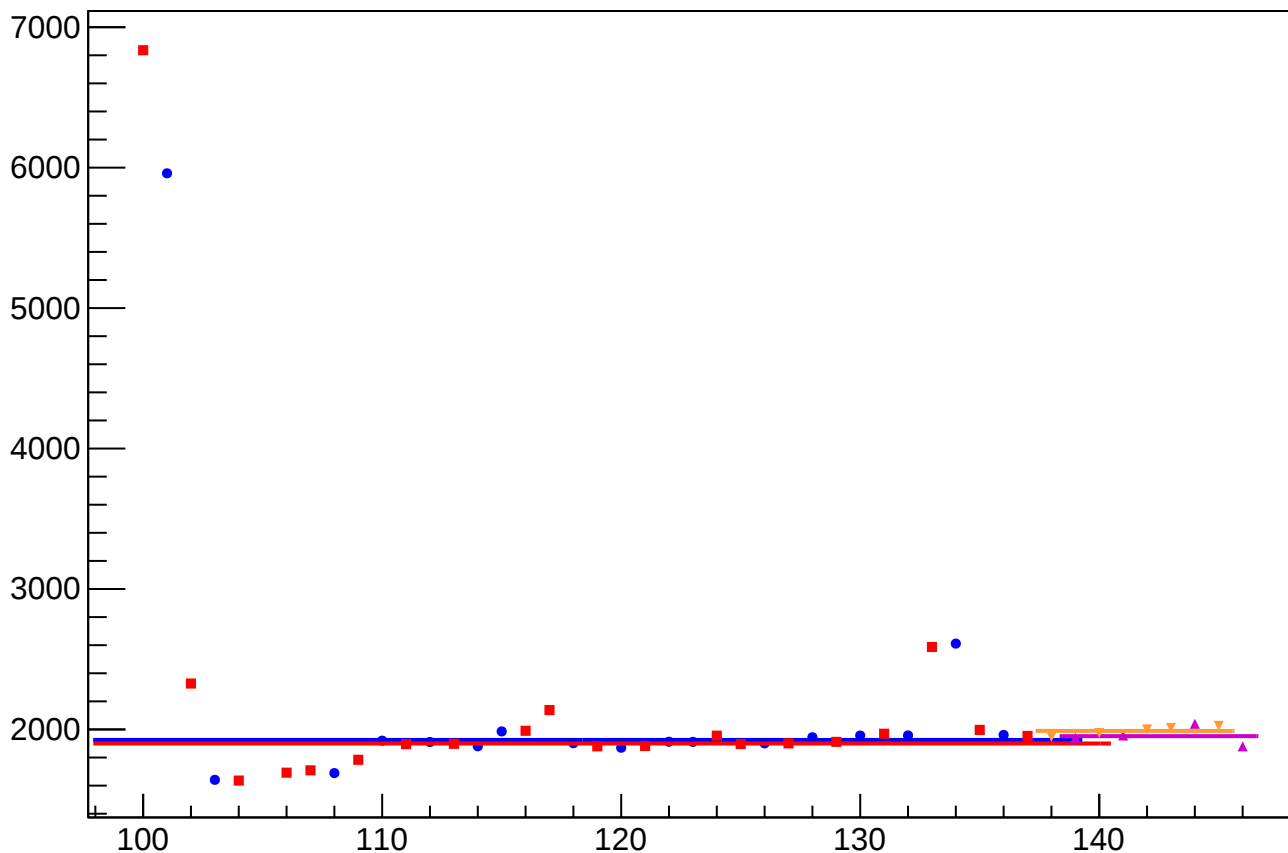
Left In: 1405.218+/-1085.661 χ^2/NDF : 1.8/3

-391.878+/-625.101 χ^2/NDF : 20.6/21

240.598+/-434.808 χ^2/NDF : 33.4/45

833.448+/-605.203 χ^2/NDF : 10.9/23

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1989.651+/-0.766 χ^2/NDF : 1435.3/4

Right Out: 1899.955+/-0.514 χ^2/NDF : 211865.1/19

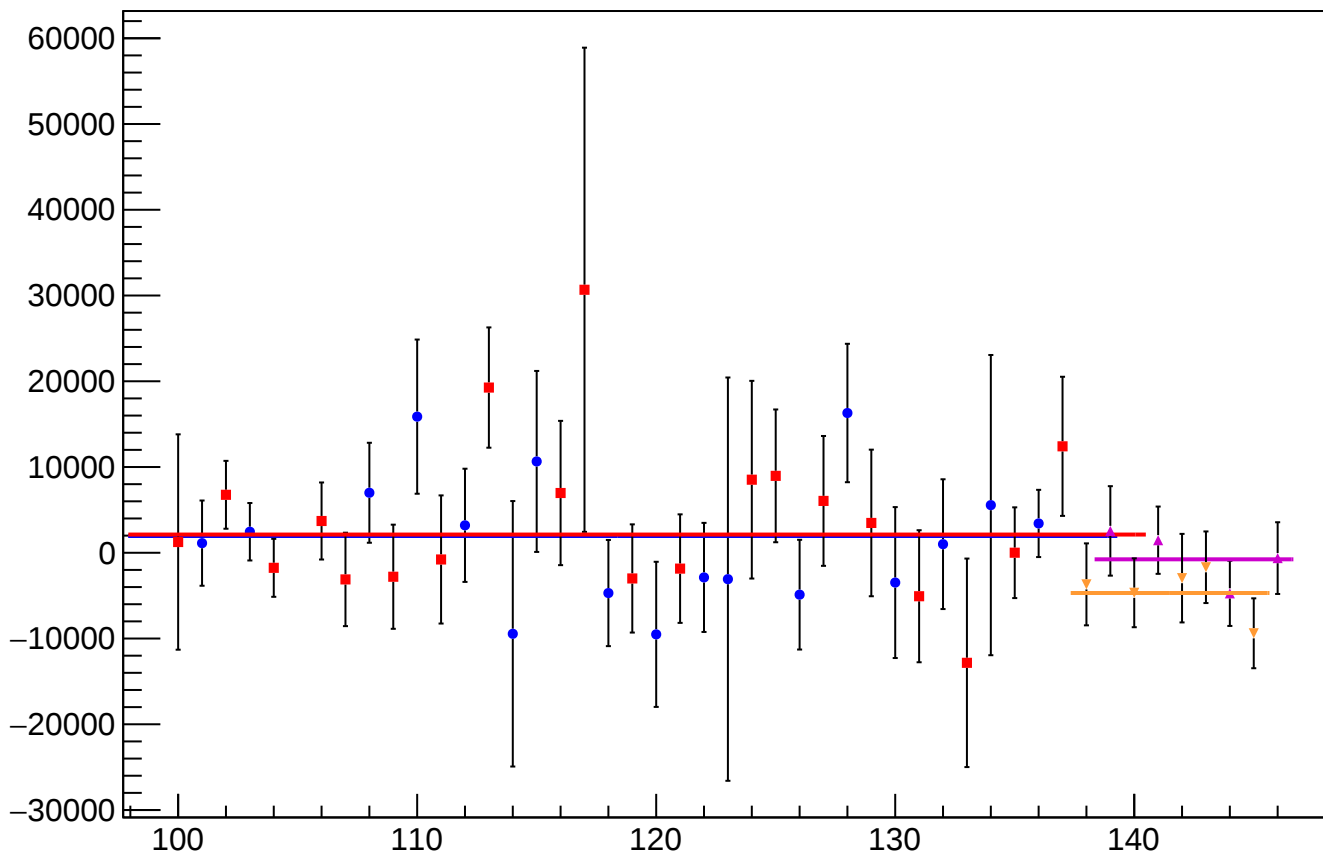
Left In: 1952.263+/-0.768 χ^2/NDF : 5684.9/3

1946.731+/-0.442 χ^2/NDF : 622002.4/21

1930.927+/-0.307 χ^2/NDF : 845229.9/45

1916.159+/-0.427 χ^2/NDF : 220754.5/23

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1959.060 $\pm$ 1556.840 χ^2/NDF : 12.9/16

Left Out: -4690.813 $\pm$ 1957.874 χ^2/NDF : 2.0/4

Right Out: 2124.415 $\pm$ 1411.872 χ^2/NDF : 18.5/19

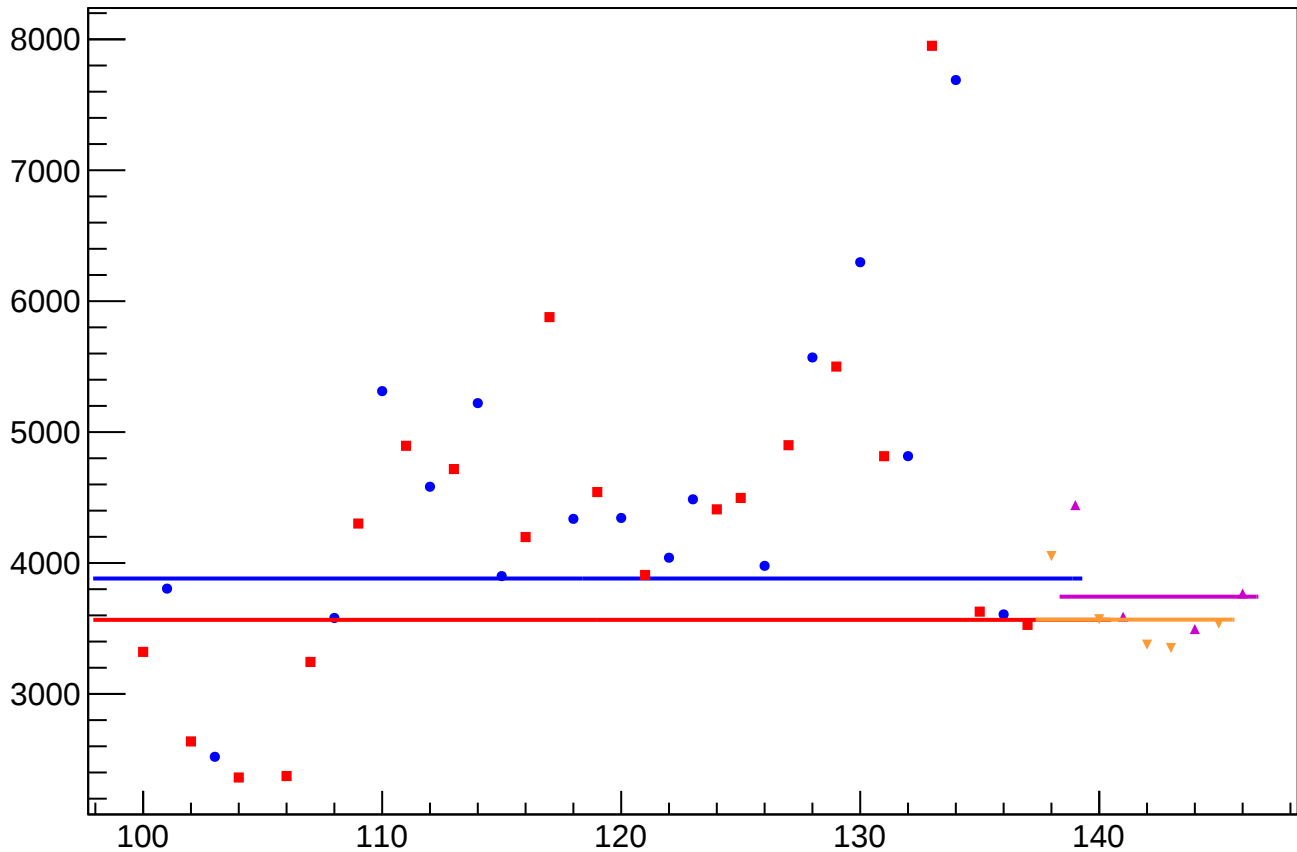
Left In: -763.957 $\pm$ 2093.590 χ^2/NDF : 1.8/3

-616.869 $\pm$ 1218.555 χ^2/NDF : 22.0/21

339.211 $\pm$ 844.170 χ^2/NDF : 44.8/45

1221.470 $\pm$ 1170.566 χ^2/NDF : 21.6/23

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.577+/-1.101 χ^2/NDF : 817466.6/16

Left Out: 3567.643+/-1.384 χ^2/NDF : 28868.4/4

Right Out: 3565.851+/-0.998 χ^2/NDF : 1254973.6/19

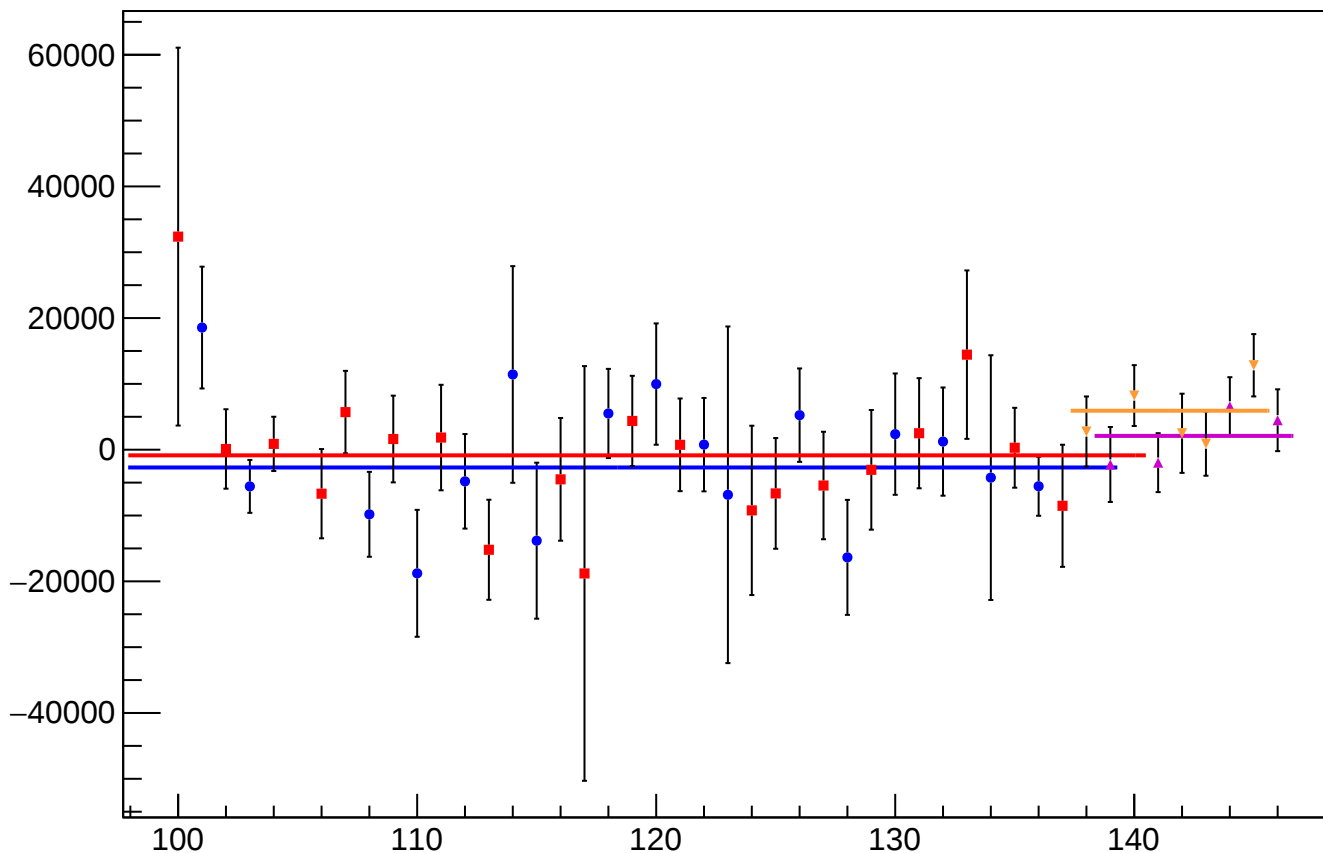
Left In: 3742.886+/-1.480 χ^2/NDF : 47540.6/3

3759.970+/-0.862 χ^2/NDF : 877837.2/21

3687.796+/-0.597 χ^2/NDF : 2203672.3/45

3621.195+/-0.828 χ^2/NDF : 1312344.4/23

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2700.702+/-1809.055 χ^2/NDF : 19.8/16

Left Out: 5921.236+/-2257.197 χ^2/NDF : 4.1/4

Right Out: -857.617+/-1687.925 χ^2/NDF : 11.9/19

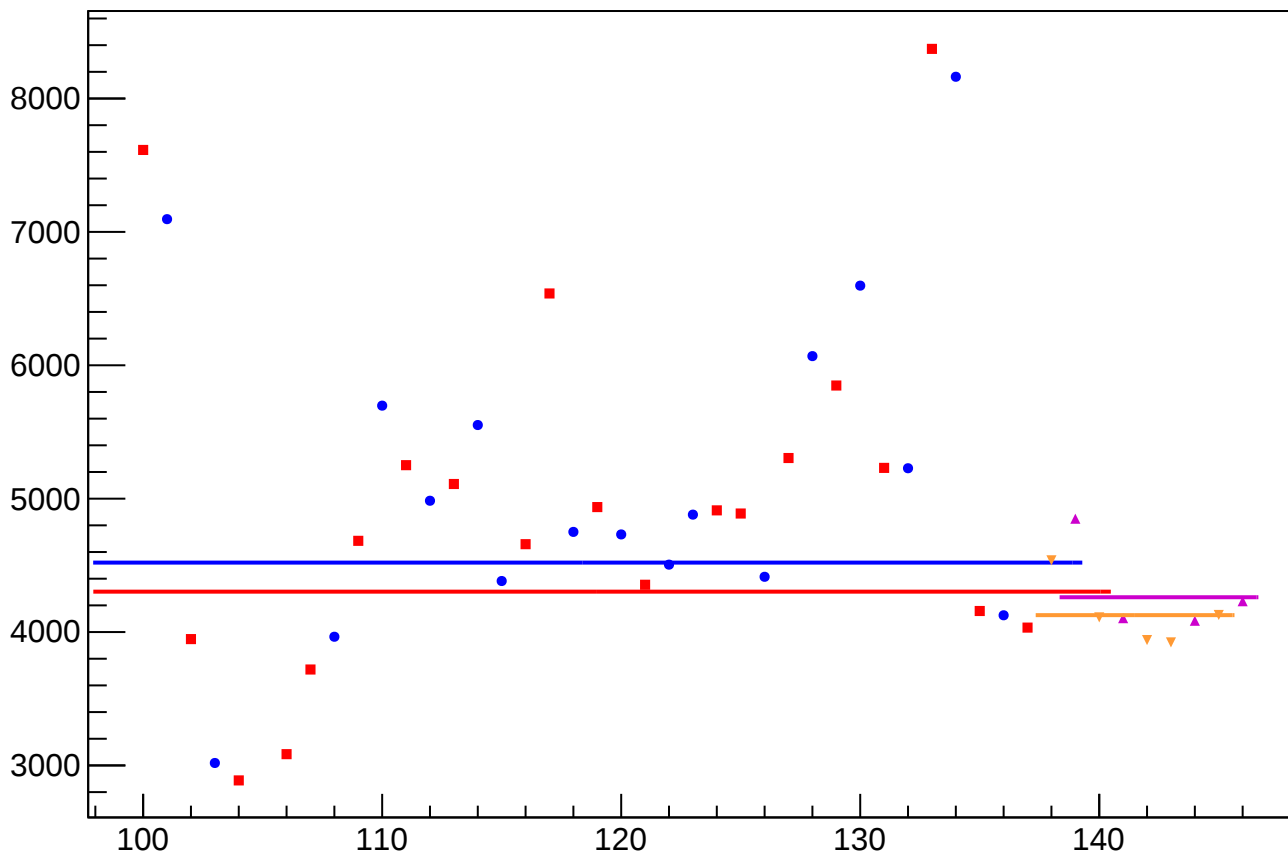
Left In: 2096.565+/-2376.602 χ^2/NDF : 2.7/3

671.446+/-1411.628 χ^2/NDF : 32.7/21

395.321+/-985.392 χ^2/NDF : 48.4/45

132.898+/-1376.158 χ^2/NDF : 15.6/23

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685 $\pm$ 1.279 χ^2/NDF : 770887.4/16

Left Out: 4126.766 $\pm$ 1.596 χ^2/NDF : 17361.0/4

Right Out: 4302.892 $\pm$ 1.187 χ^2/NDF : 781886.1/19

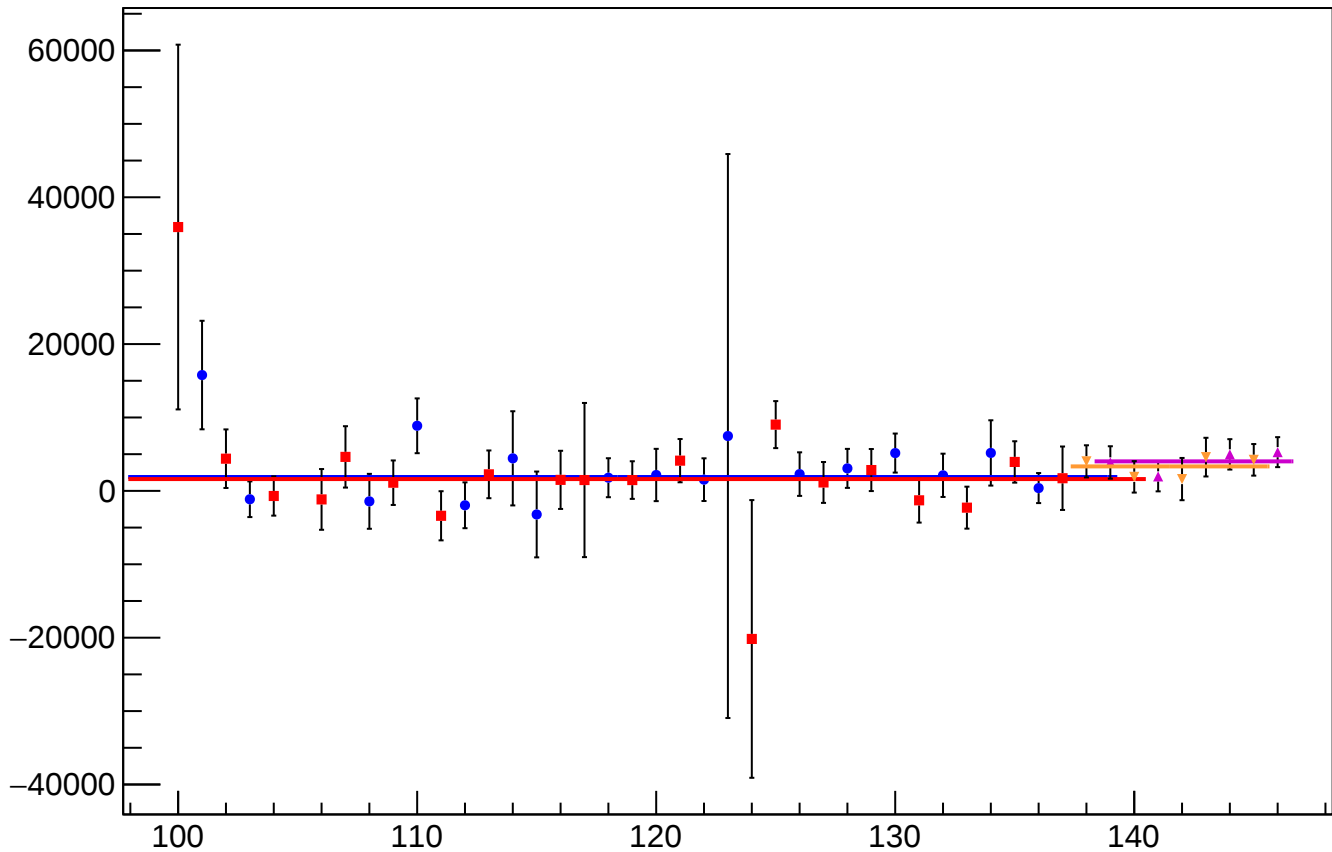
Left In: 4260.961 $\pm$ 1.681 χ^2/NDF : 27085.7/3

4366.618 $\pm$ 0.998 χ^2/NDF : 825337.1/21

4326.646 $\pm$ 0.695 χ^2/NDF : 1637840.8/45

4288.937 $\pm$ 0.970 χ^2/NDF : 809387.2/23

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 3334.140 $\pm$ 1049.662 χ^2 /NDF: 1.3/4

Right Out: 1609.604 $\pm$ 763.815 χ^2 /NDF: 17.5/19

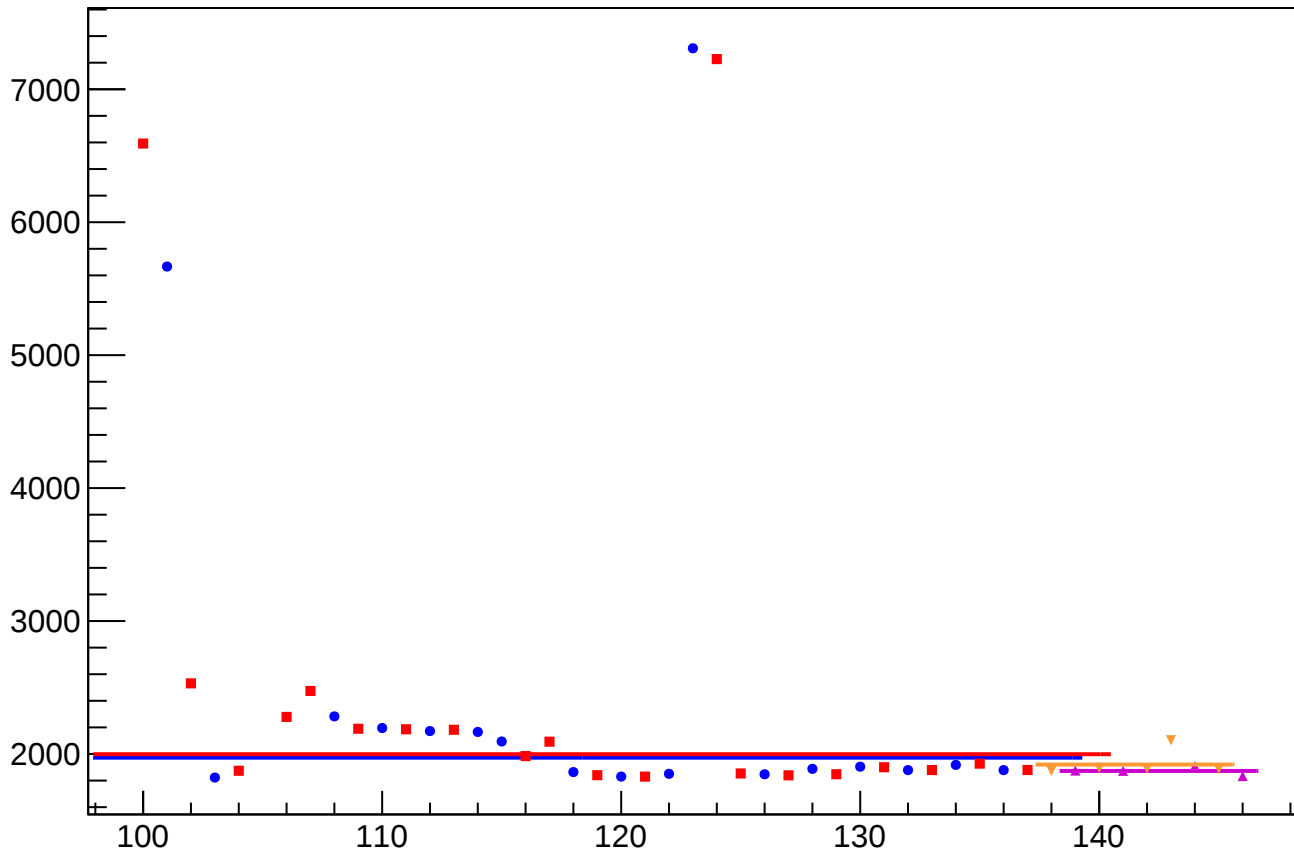
Left In: 4021.580 $\pm$ 1043.176 χ^2 /NDF: 1.6/3

2405.658 $\pm$ 628.042 χ^2 /NDF: 17.2/21

2428.964 $\pm$ 439.874 χ^2 /NDF: 39.8/45

2451.405 $\pm$ 616.276 χ^2 /NDF: 22.6/23

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1920.520+/-0.742 χ^2/NDF : 11588.7/4

Right Out: 1998.150+/-0.540 χ^2/NDF : 355735.1/19

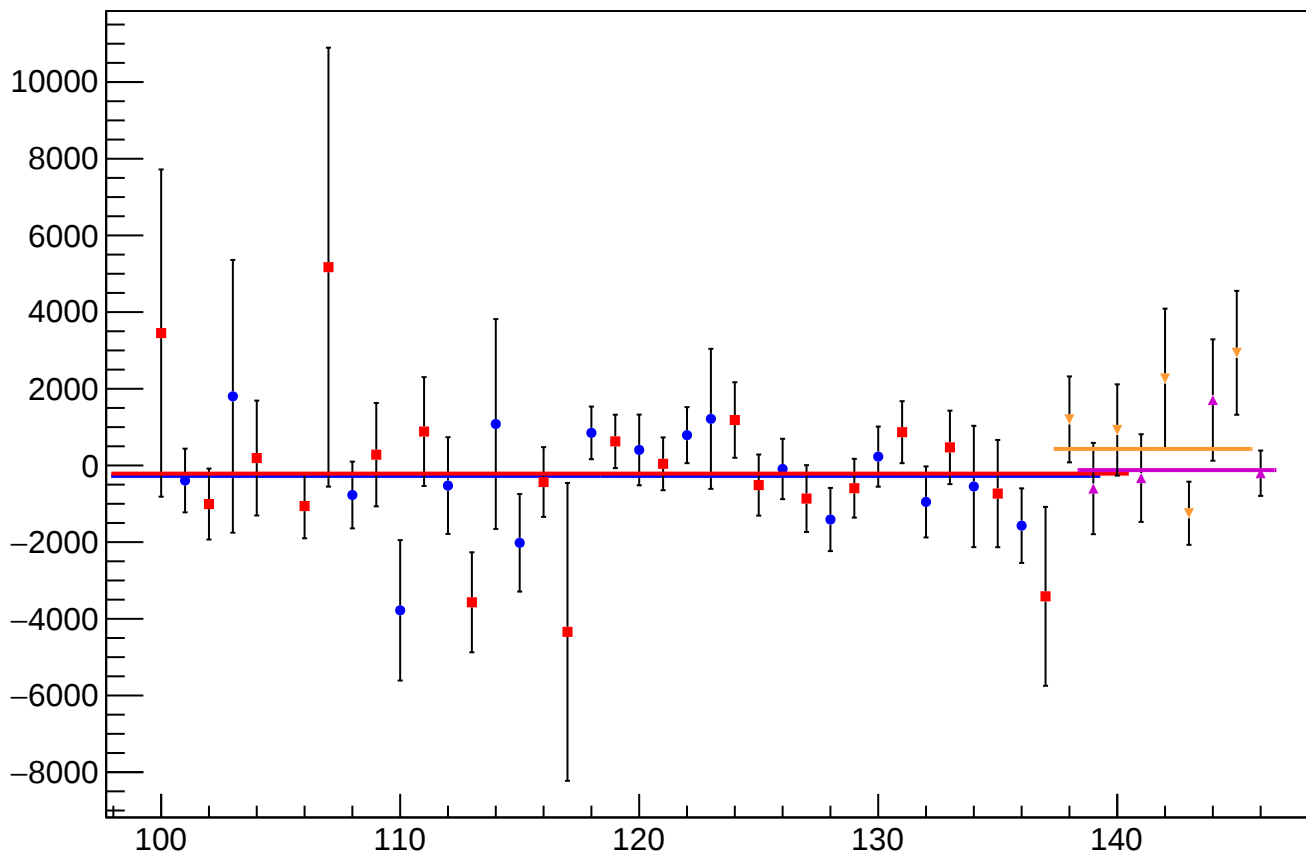
Left In: 1872.523+/-0.738 χ^2/NDF : 1310.6/3

1953.881+/-0.444 χ^2/NDF : 615605.1/21

1954.097+/-0.311 χ^2/NDF : 991533.6/45

1954.305+/-0.436 χ^2/NDF : 375928.0/23

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -271.773+/-240.214 χ^2/NDF : 17.2/16

Left Out: 431.112+/-522.561 χ^2/NDF : 8.2/4

Right Out: -212.774+/-228.638 χ^2/NDF : 20.9/19

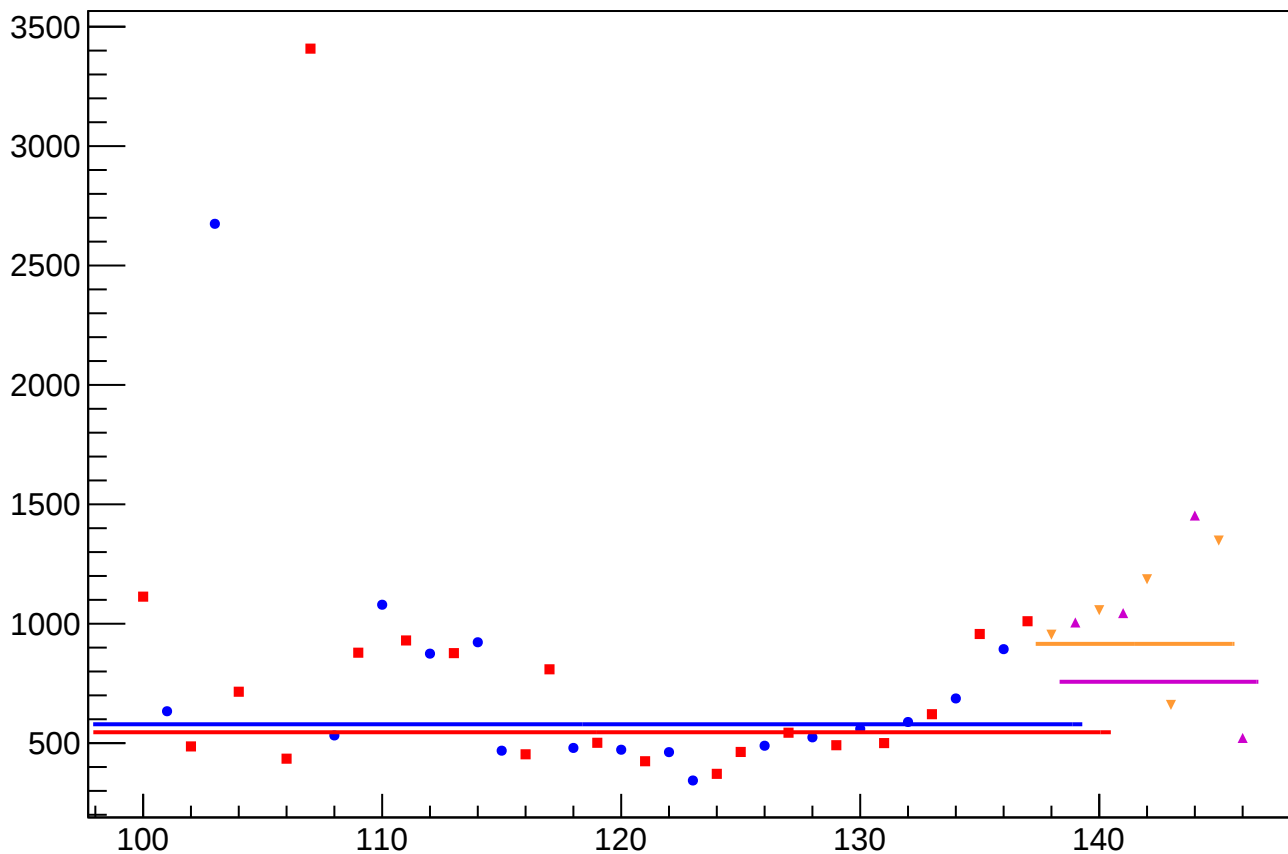
Left In: -121.400+/-459.824 χ^2/NDF : 1.5/3

-149.155+/-218.258 χ^2/NDF : 26.9/21

-173.363+/-149.318 χ^2/NDF : 49.4/45

-194.661+/-204.727 χ^2/NDF : 22.4/23

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 579.010+/-0.170 $\chi^2/\text{NDF}: 1422148.6/16$

Left Out: 915.679+/-0.370 $\chi^2/\text{NDF}: 410806.3/4$

Right Out: 545.590+/-0.162 $\chi^2/\text{NDF}: 1467038.8/19$

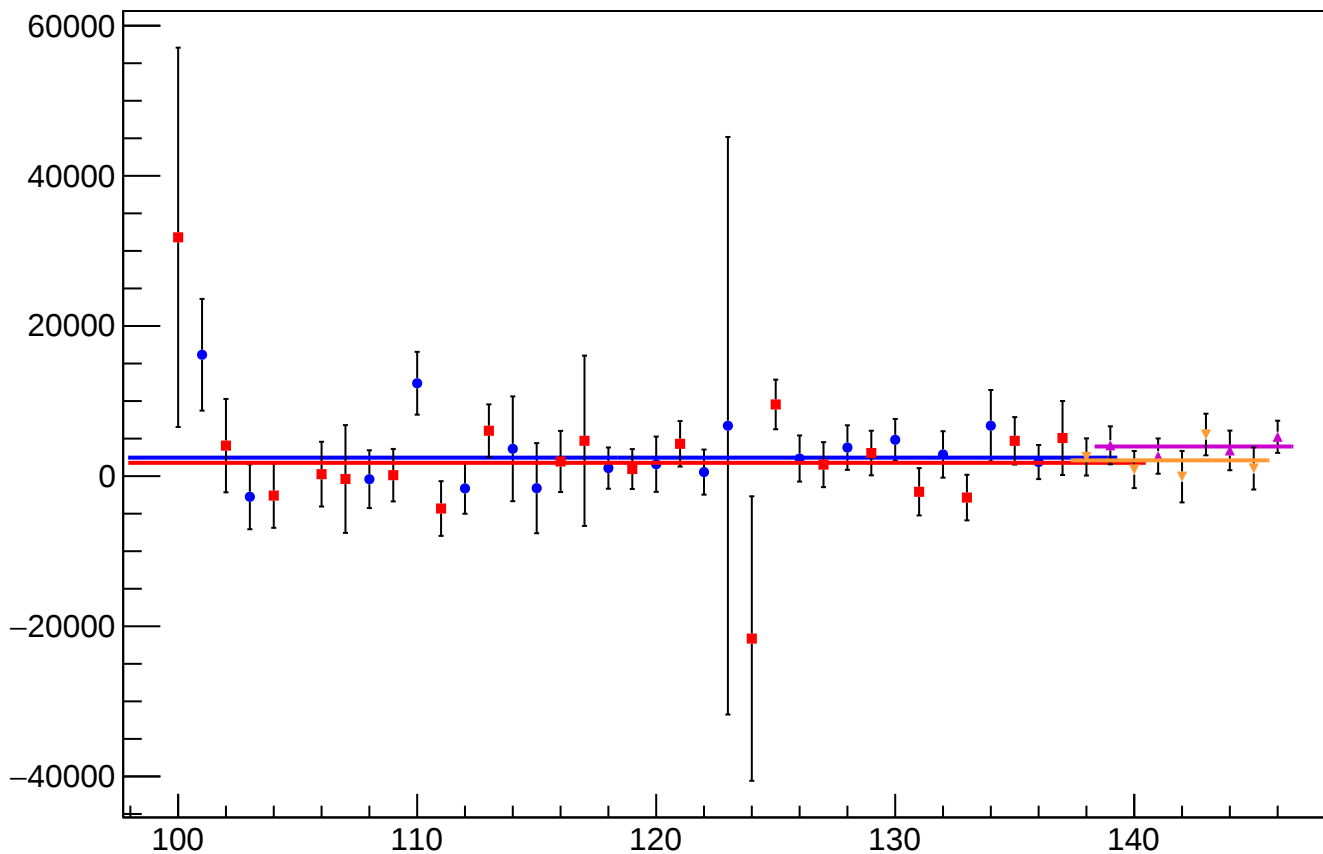
Left In: 756.948+/-0.325 $\chi^2/\text{NDF}: 916782.3/3$

637.742+/-0.154 $\chi^2/\text{NDF}: 2518293.7/21$

611.008+/-0.106 $\chi^2/\text{NDF}: 5297313.1/45$

587.487+/-0.145 $\chi^2/\text{NDF}: 2722614.4/23$

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 2101.662 $\pm$ 1222.034 χ^2 /NDF: 2.4/4

Right Out: 1773.396 $\pm$ 850.889 χ^2 /NDF: 20.5/19

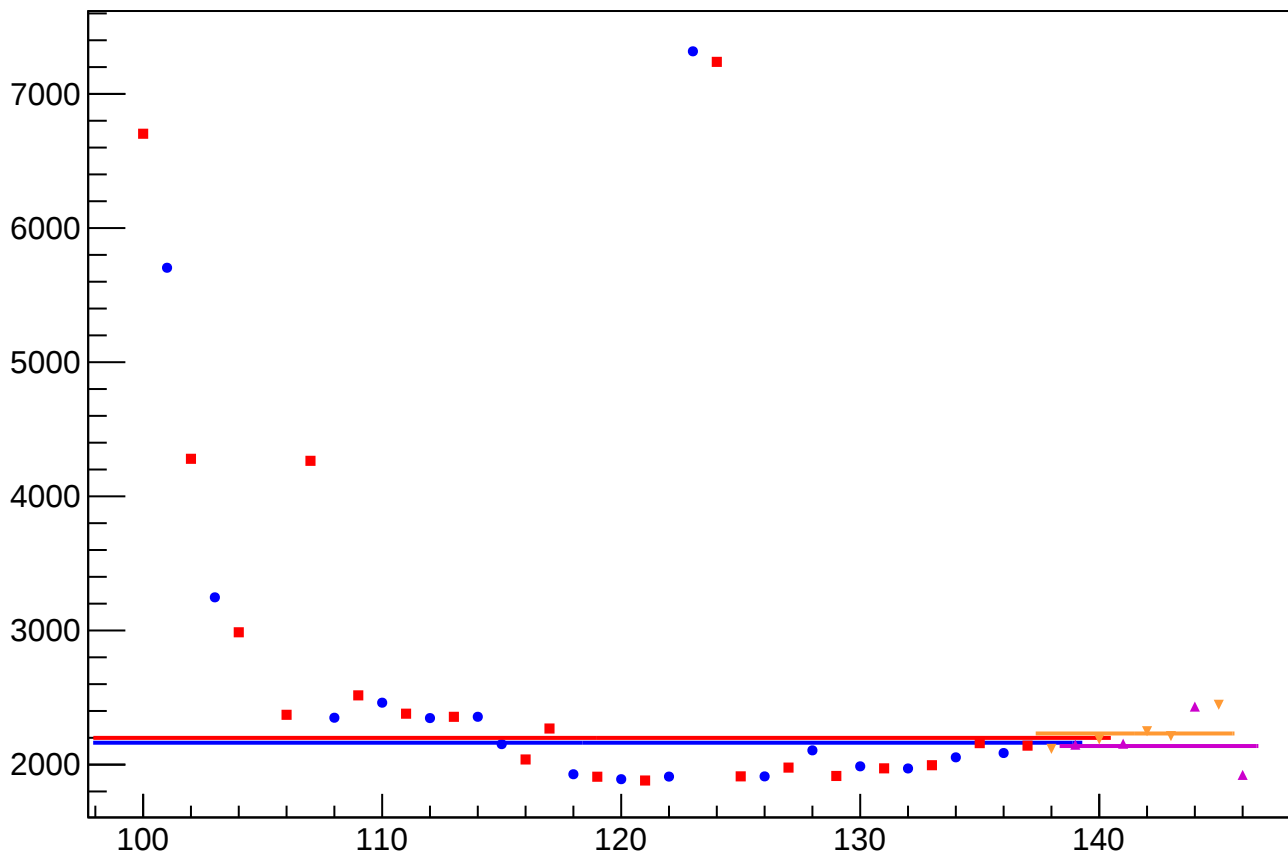
Left In: 3948.186 $\pm$ 1195.853 χ^2 /NDF: 0.7/3

2343.441 $\pm$ 705.045 χ^2 /NDF: 18.0/21

2425.258 $\pm$ 494.337 χ^2 /NDF: 41.4/45

2504.370 $\pm$ 693.298 χ^2 /NDF: 23.4/23

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 2232.135+/-0.864 χ^2/NDF :16730.9/4

Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

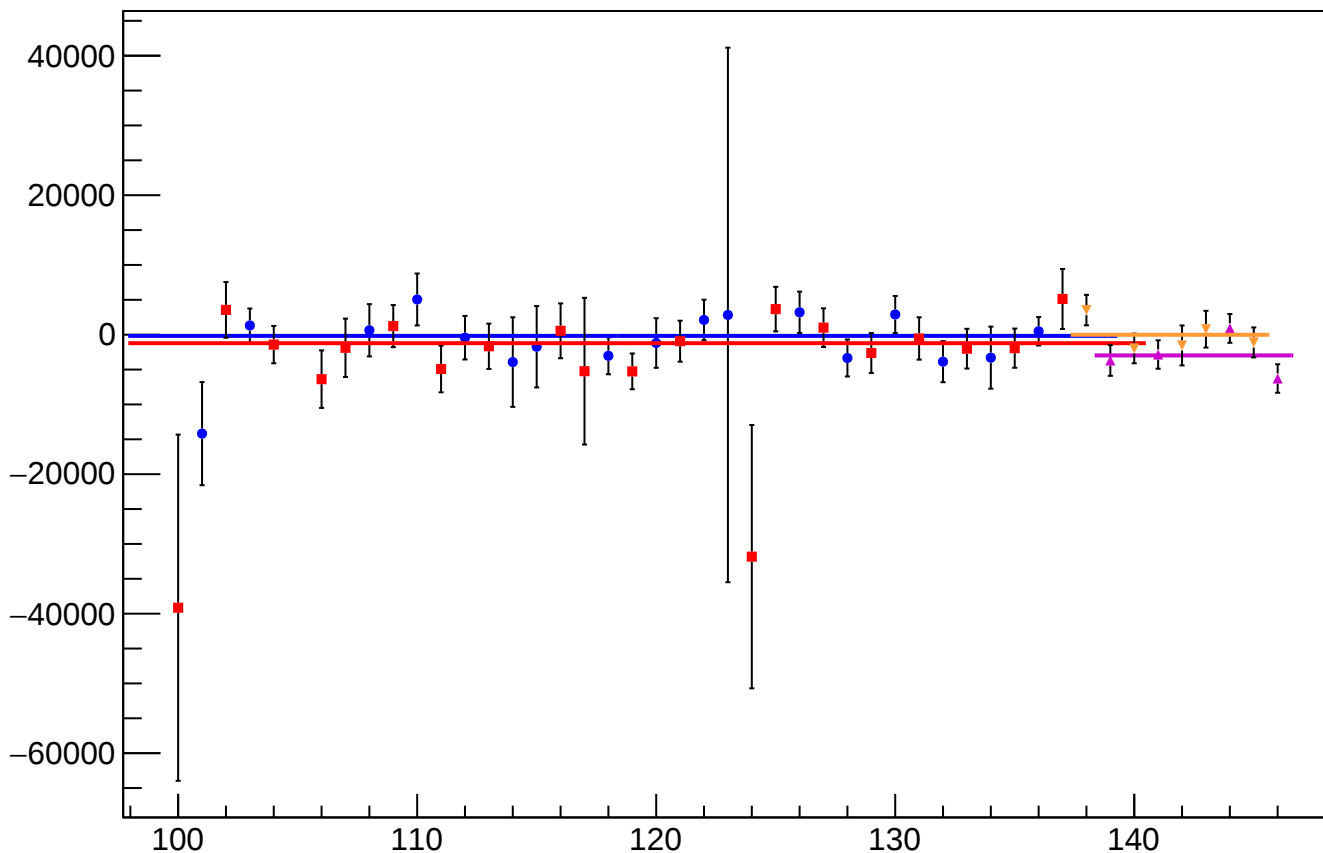
Left In: 2138.671+/-0.846 χ^2/NDF :45139.2/3

2186.215+/-0.499 χ^2/NDF : 730548.5/21

2182.540+/-0.350 χ^2/NDF : 1582591.8/45

2178.987+/-0.490 χ^2/NDF : 851936.5/23

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -170.351 ± 782.384 χ^2/NDF : 14.5/16

Left Out: -11.217 ± 1047.045 χ^2/NDF : 4.1/4

Right Out: -1218.753 ± 762.243 χ^2/NDF : 18.3/19

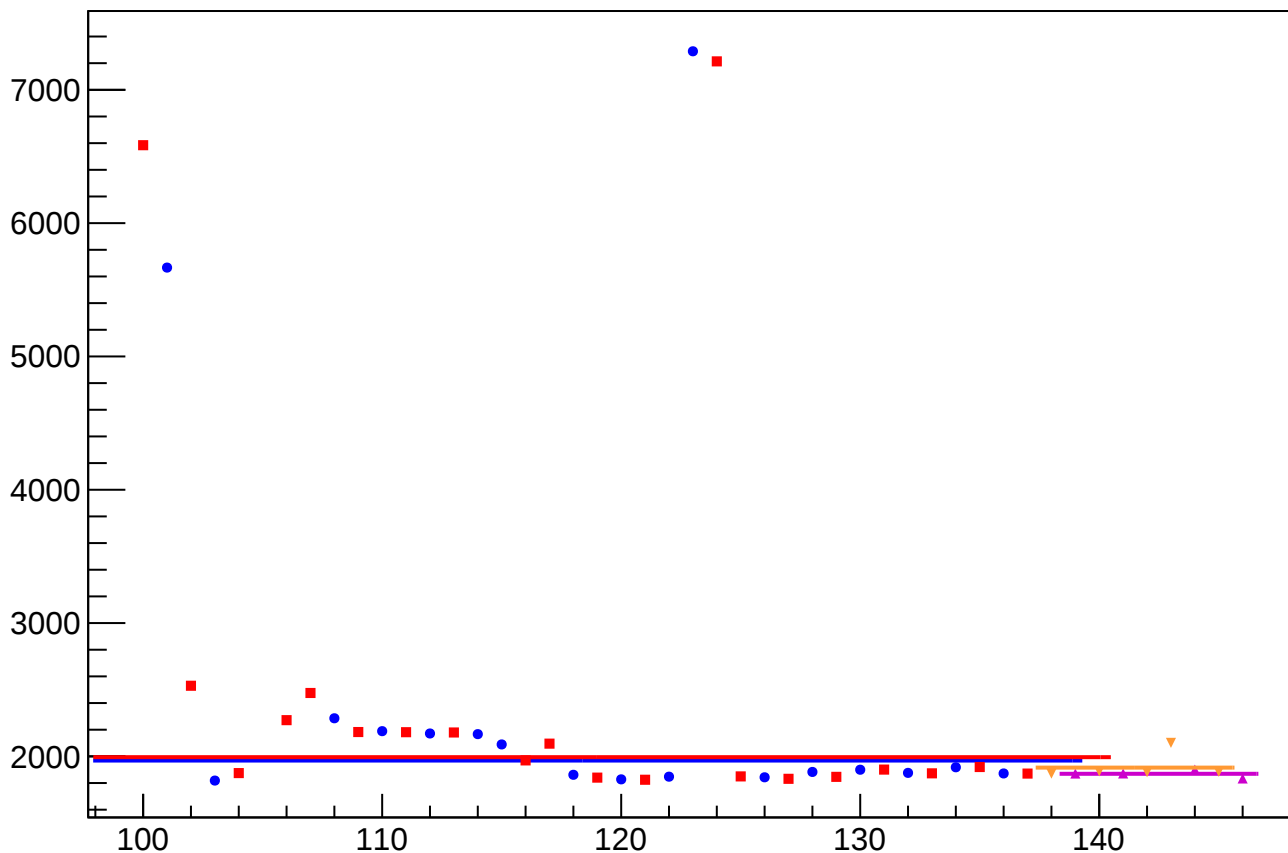
Left In: -2973.145 ± 1041.308 χ^2/NDF : 6.3/3

-113.334 ± 626.740 χ^2/NDF : 18.6/21

-988.230 ± 438.986 χ^2/NDF : 48.9/45

-1830.837 ± 615.066 χ^2/NDF : 26.4/23

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632+/-0.553 χ^2/NDF : 602972.8/16

Left Out: 1915.650+/-0.740 χ^2/NDF : 11882.8/4

Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

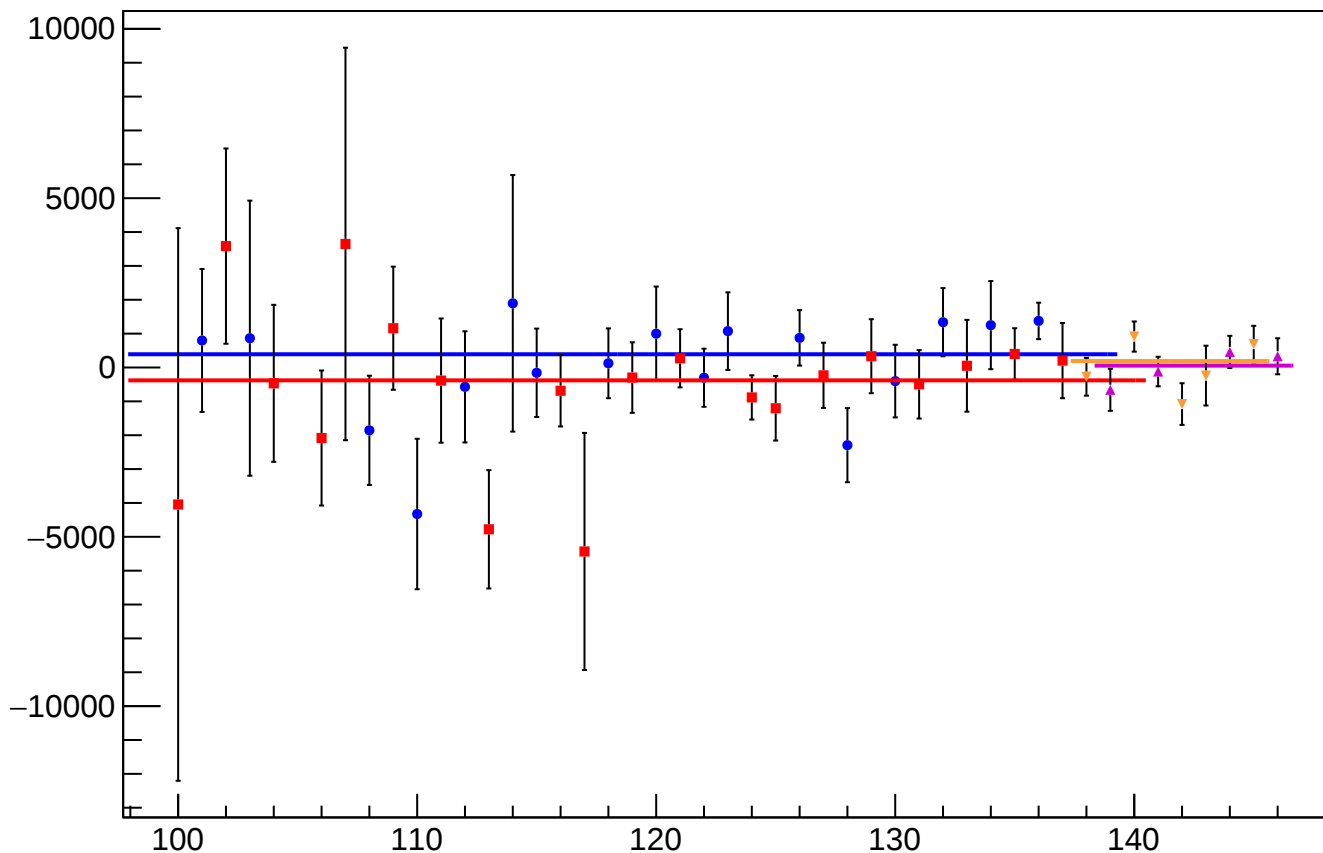
Left In: 1869.236+/-0.736 χ^2/NDF : 1052.7/3

1949.649+/-0.443 χ^2/NDF : 618141.9/21

1950.054+/-0.310 χ^2/NDF : 994237.3/45

1950.444+/-0.435 χ^2/NDF : 376093.8/23

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923 $\pm$ 270.128 χ^2 /NDF: 20.0/16

Left Out: 189.871 $\pm$ 253.103 χ^2 /NDF:8.7/4

Right Out: -379.833 $\pm$ 265.331 χ^2 /NDF: 16.3/19

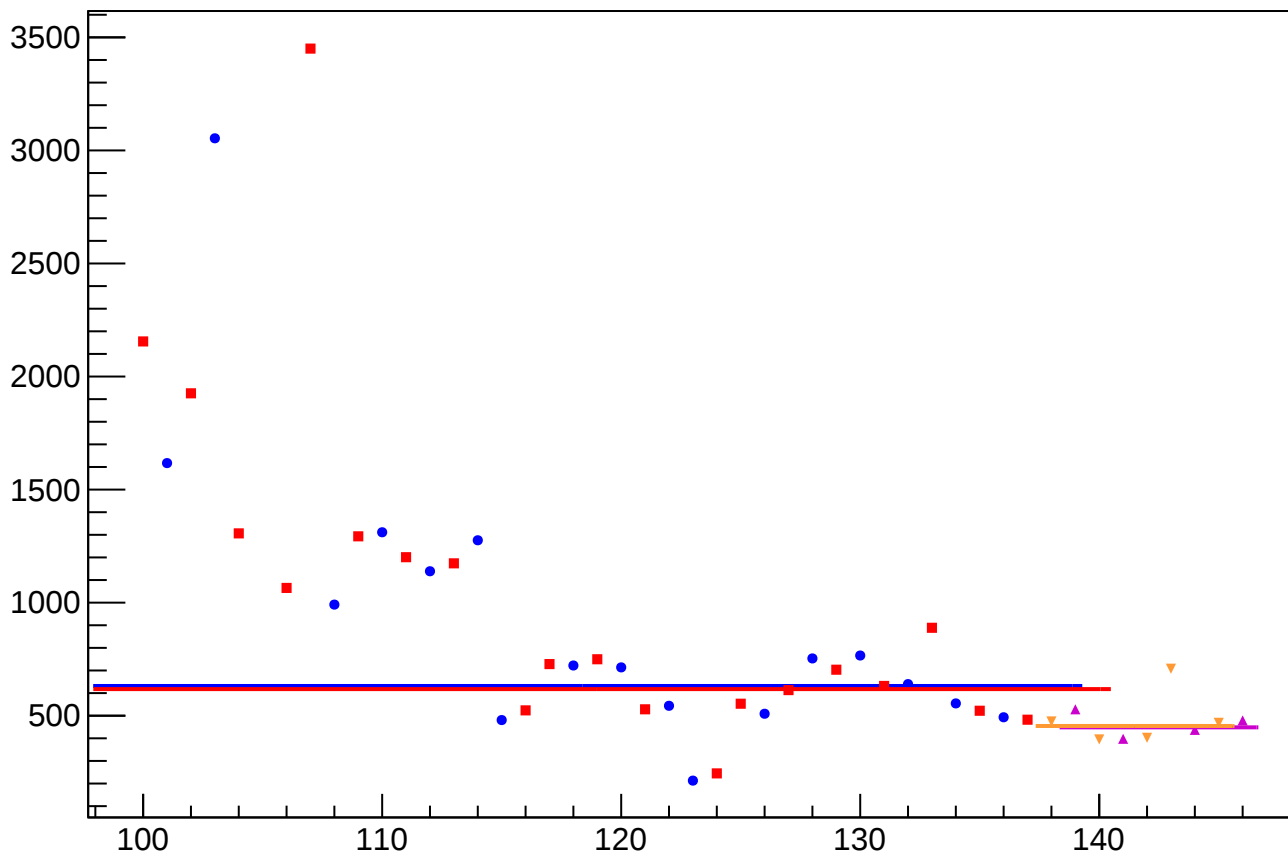
Left In: 54.924 $\pm$ 251.411 χ^2 /NDF:2.5/3

283.862 $\pm$ 184.697 χ^2 /NDF: 29.0/21

63.952 $\pm$ 129.816 χ^2 /NDF: 52.0/45

-150.751 $\pm$ 182.497 χ^2 /NDF: 20.2/23

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 454.548 $\pm$ 0.179 χ^2 /NDF: 218536.6/4

Right Out: 617.675 $\pm$ 0.188 χ^2 /NDF: 2804158.4/19

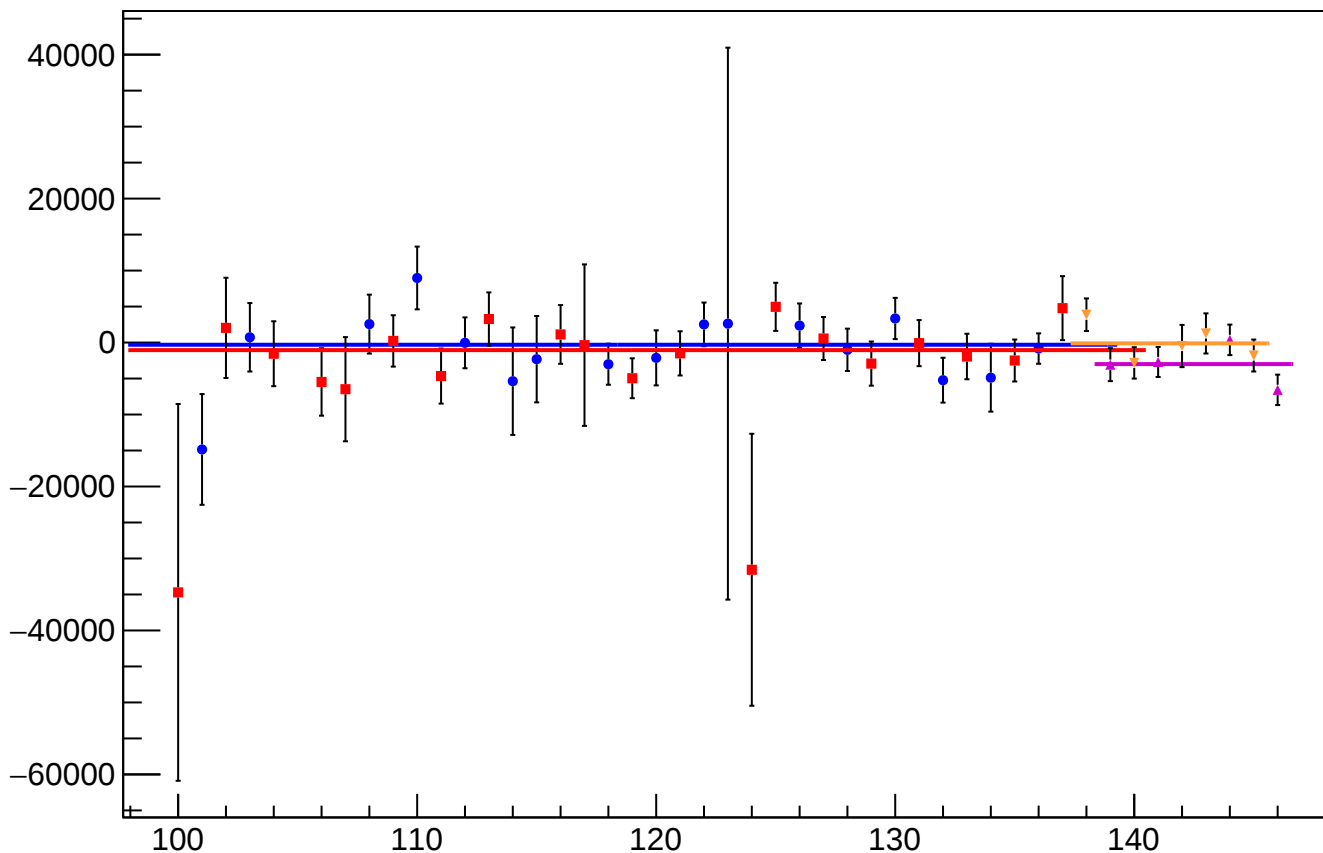
Left In: 448.495 $\pm$ 0.178 χ^2 /NDF: 67818.4/3

537.239 $\pm$ 0.131 χ^2 /NDF: 2935874.4/21

532.833 $\pm$ 0.092 χ^2 /NDF: 6238542.5/45

528.531 $\pm$ 0.129 χ^2 /NDF: 3300418.3/23

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -115.174 ± 1082.547 χ^2/NDF : 5.5/4

Right Out: -1052.718 ± 864.863 χ^2/NDF : 16.6/19

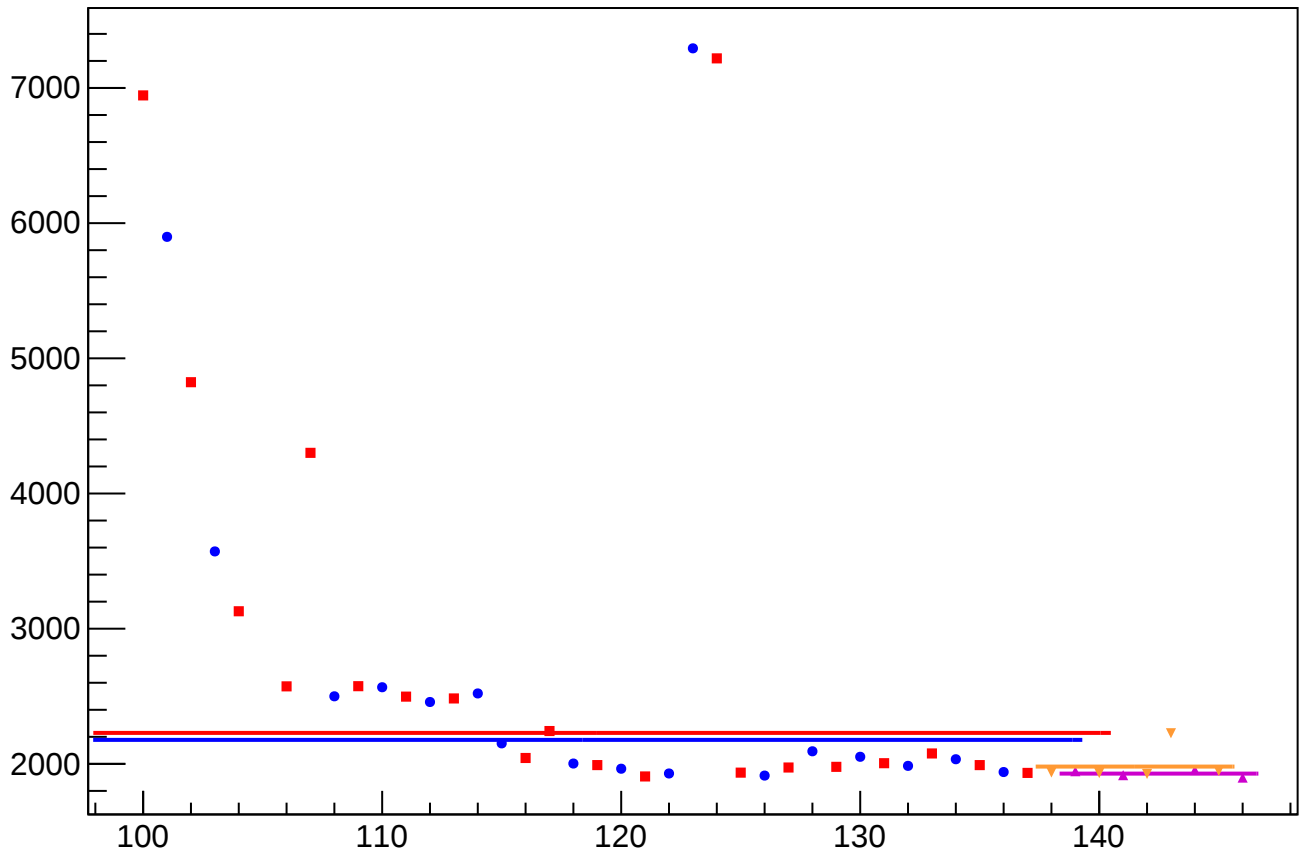
Left In: -2991.724 ± 1073.905 χ^2/NDF : 5.4/3

-230.741 ± 679.053 χ^2/NDF : 22.6/21

-1029.555 ± 478.218 χ^2/NDF : 49.4/45

-1815.557 ± 673.585 χ^2/NDF : 24.0/23

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446 $\pm$ 0.617 χ^2/NDF : 802836.7/16

Left Out: 1979.974 $\pm$ 0.765 χ^2/NDF : 18500.8/4

Right Out: 2229.096 $\pm$ 0.612 χ^2/NDF : 895812.2/19

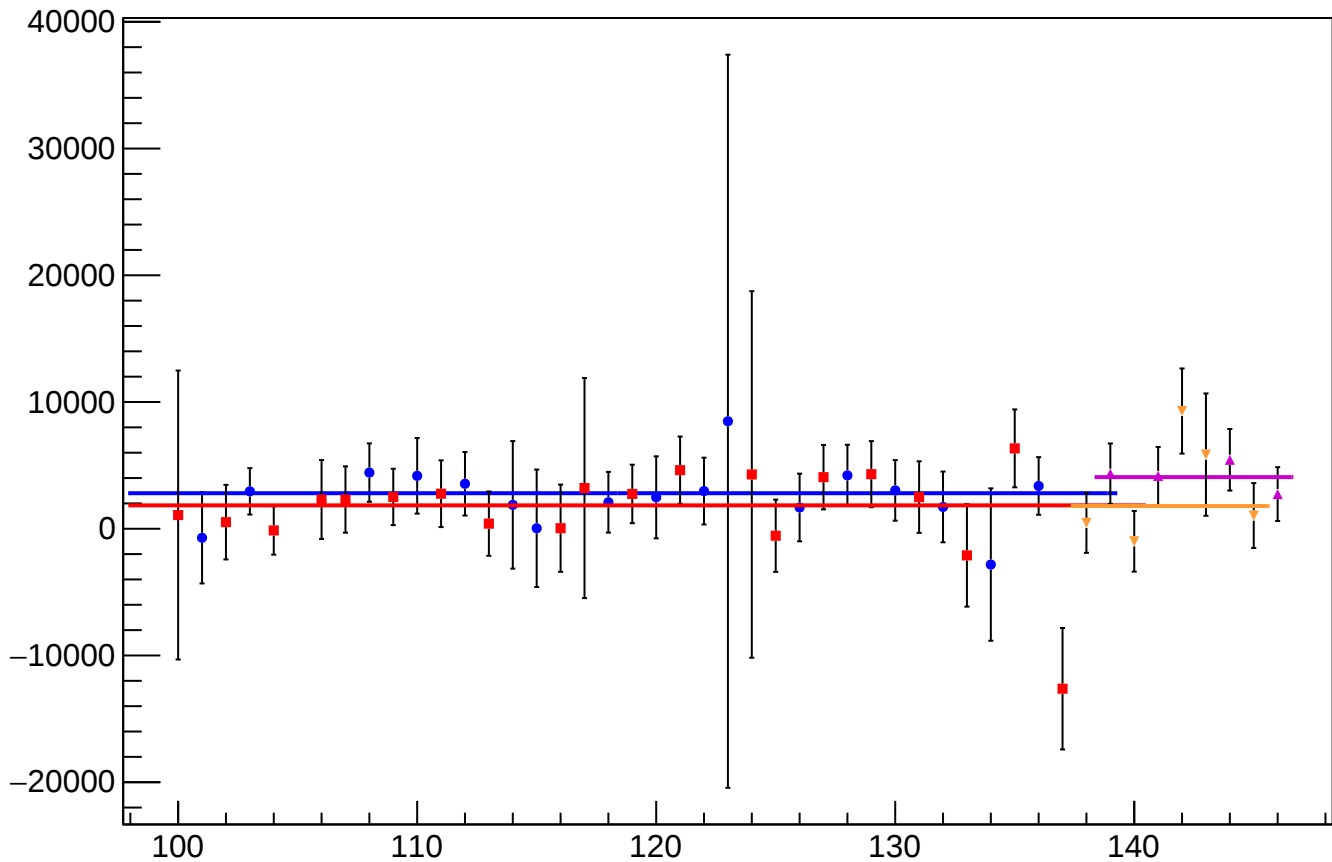
Left In: 1927.994 $\pm$ 0.759 χ^2/NDF : 883.0/3

2099.747 $\pm$ 0.480 χ^2/NDF : 861701.8/21

2105.236 $\pm$ 0.338 χ^2/NDF : 1854027.7/45

2110.638 $\pm$ 0.476 χ^2/NDF : 992066.6/23

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: 1791.923 $\pm$ 1252.321 χ^2 /NDF: 7.4/4

Right Out: 1844.945 $\pm$ 653.448 χ^2 /NDF: 18.1/19

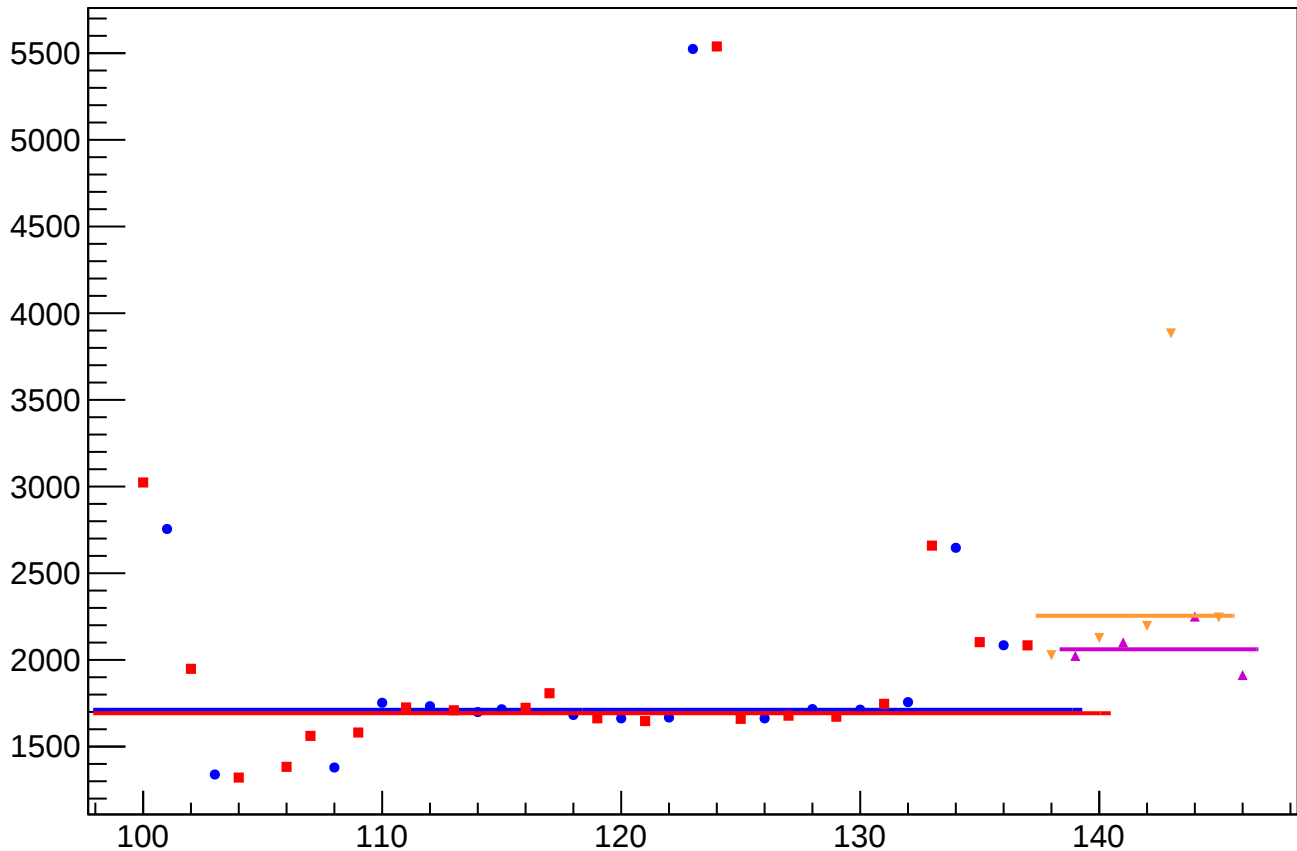
Left In: 4074.898 $\pm$ 1147.592 χ^2 /NDF: 0.7/3

2574.241 $\pm$ 596.601 χ^2 /NDF: 11.9/21

2478.062 $\pm$ 411.317 χ^2 /NDF: 33.6/45

2390.930 $\pm$ 567.845 χ^2 /NDF: 21.7/23

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 2254.588+/-0.886 χ^2/NDF : 252714.7/4

Right Out: 1692.404+/-0.462 χ^2/NDF : 455277.5/19

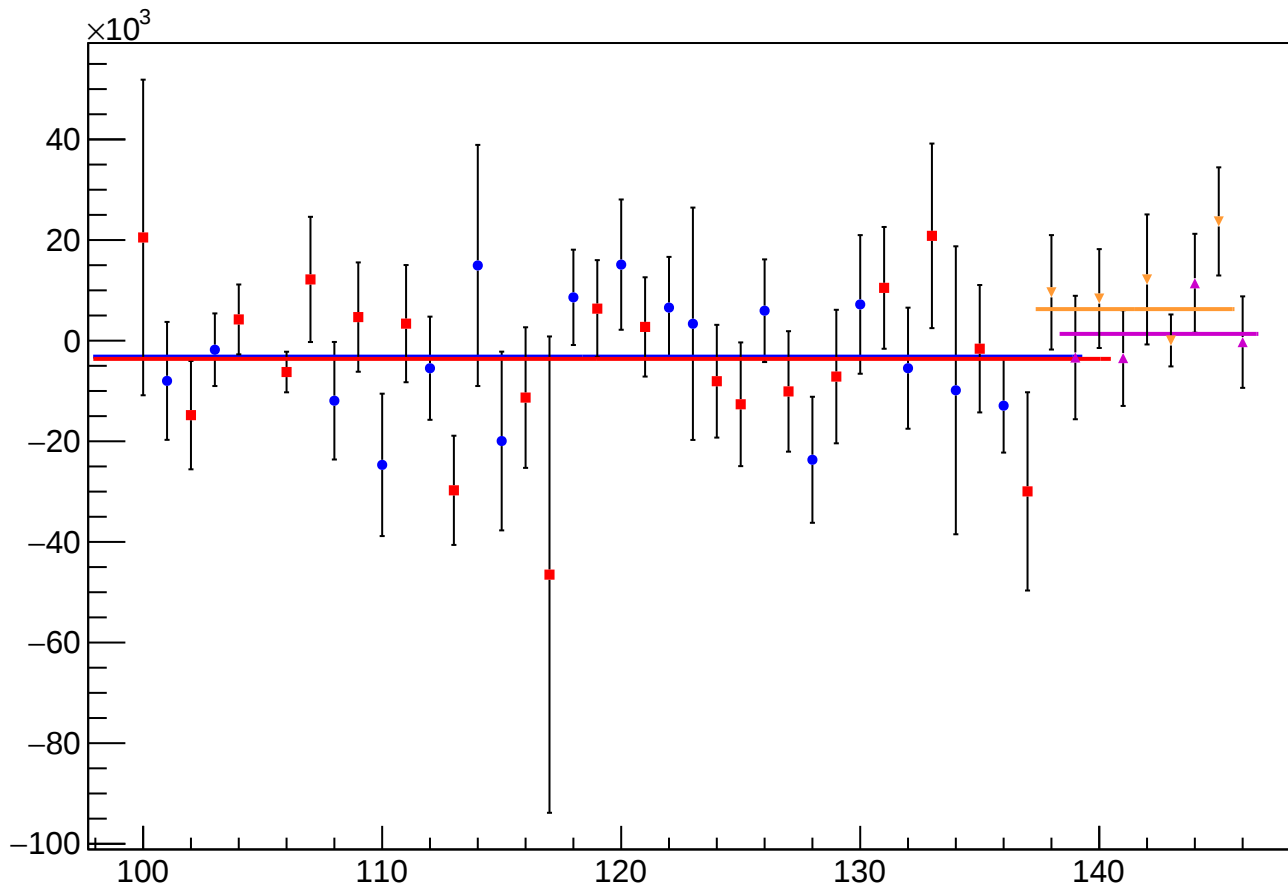
Left In: 2061.230+/-0.811 χ^2/NDF : 22980.3/3

1835.261+/-0.422 χ^2/NDF : 975260.2/21

1807.687+/-0.291 χ^2/NDF : 1617665.3/45

1782.707+/-0.402 χ^2/NDF : 634262.5/23

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: 6272.321 $\pm$ 3772.665 χ^2 /NDF:4.4/4

Right Out: -3618.416 $\pm$ 2263.938 χ^2 /NDF: 20.3/19

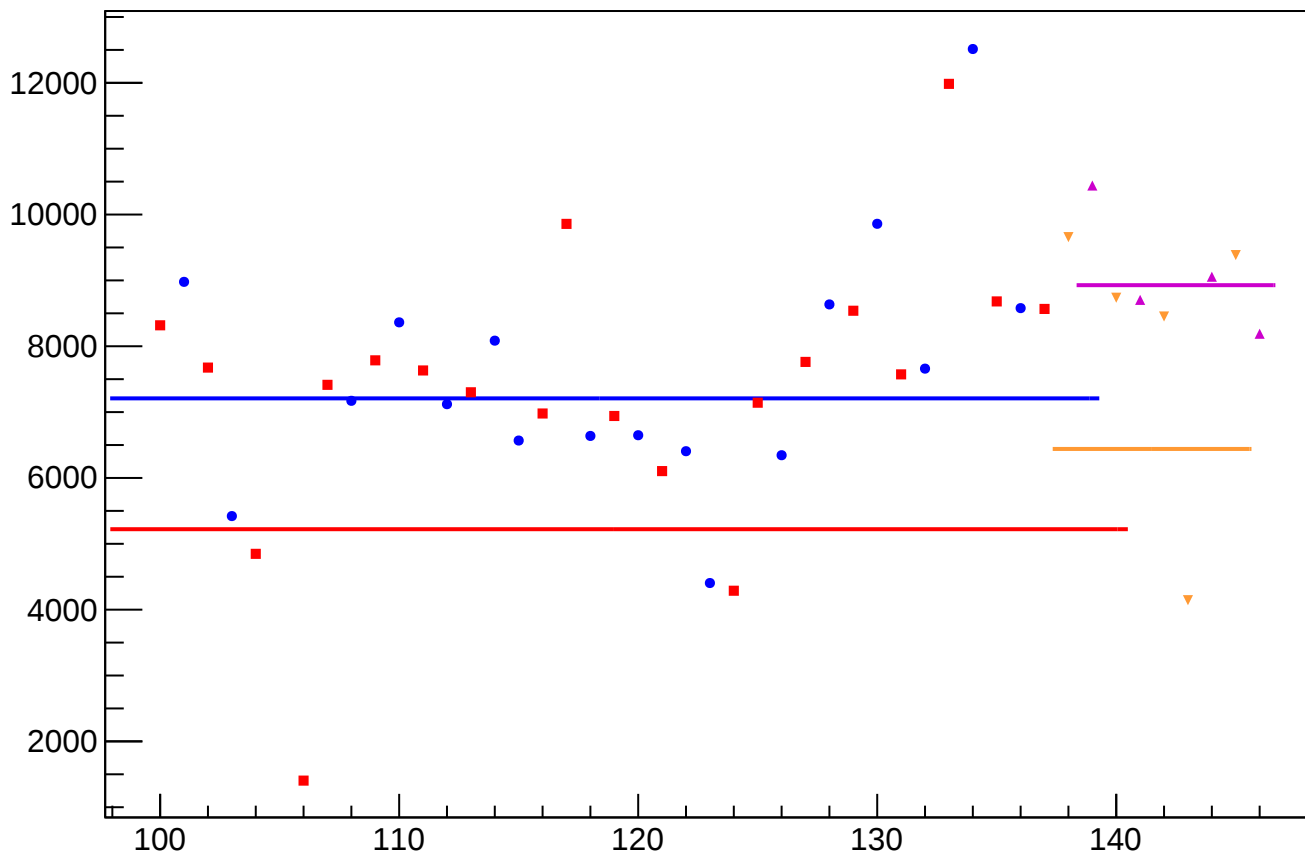
Left In: 1346.895 $\pm$ 4991.181 χ^2 /NDF:1.5/3

261.683 $\pm$ 2275.061 χ^2 /NDF: 22.8/21

-1403.547 $\pm$ 1527.741 χ^2 /NDF: 46.4/45

-2771.160 $\pm$ 2061.757 χ^2 /NDF: 22.6/23

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 6440.545+/-2.668 χ^2/NDF : 863617.7/4

Right Out: 5221.816+/-1.601 χ^2/NDF : 3216100.5/19

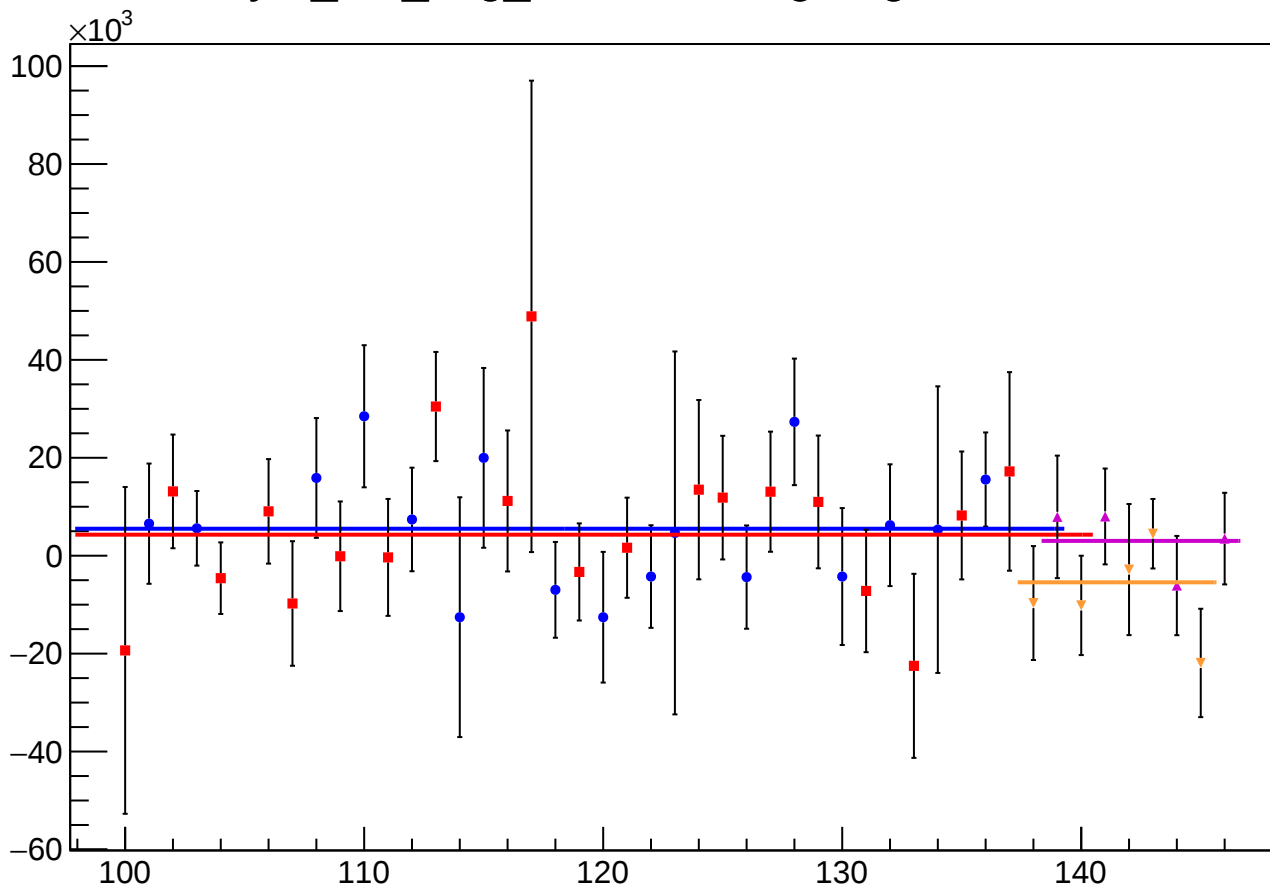
Left In: 8927.454+/-3.529 χ^2/NDF : 45023.7/3

6929.272+/-1.609 χ^2/NDF : 1385663.8/21

6338.947+/-1.080 χ^2/NDF : 5806347.6/45

5854.128+/-1.458 χ^2/NDF : 4175437.7/23

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: -5437.535 $\pm$ 4442.285 χ^2 /NDF: 4.6/4

Right Out: 4295.824 $\pm$ 2785.538 χ^2 /NDF: 16.3/19

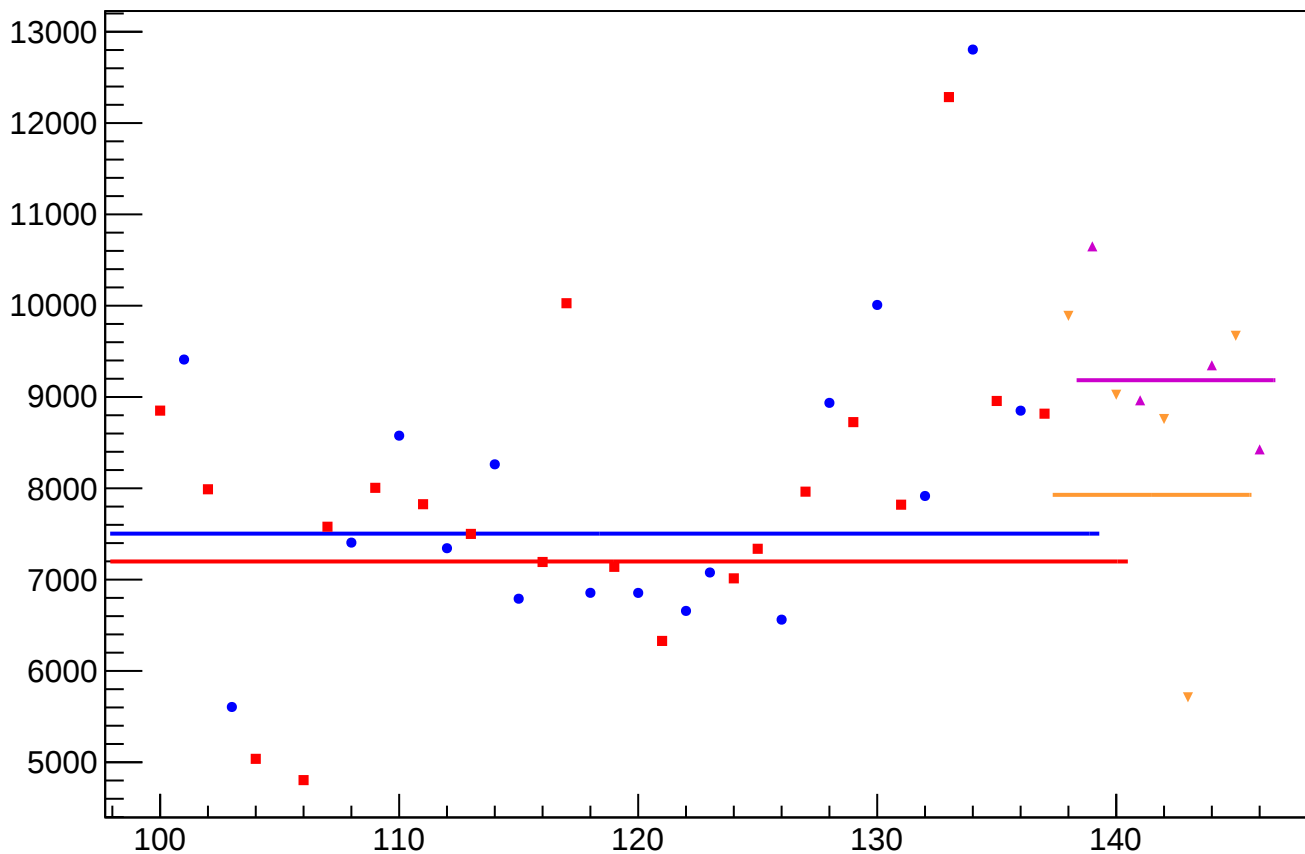
Left In: 3026.117 $\pm$ 5131.671 χ^2 /NDF: 1.2/3

2126.138 $\pm$ 2469.606 χ^2 /NDF: 22.8/21

3074.711 $\pm$ 1738.631 χ^2 /NDF: 40.7/45

4006.854 $\pm$ 2448.125 χ^2 /NDF: 17.6/23

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 $\pm$ 2.101 χ^2 /NDF: 427313.5/16

Left Out: 7928.409 $\pm$ 3.141 χ^2 /NDF: 332397.0/4

Right Out: 7198.728 $\pm$ 1.969 χ^2 /NDF: 564629.1/19

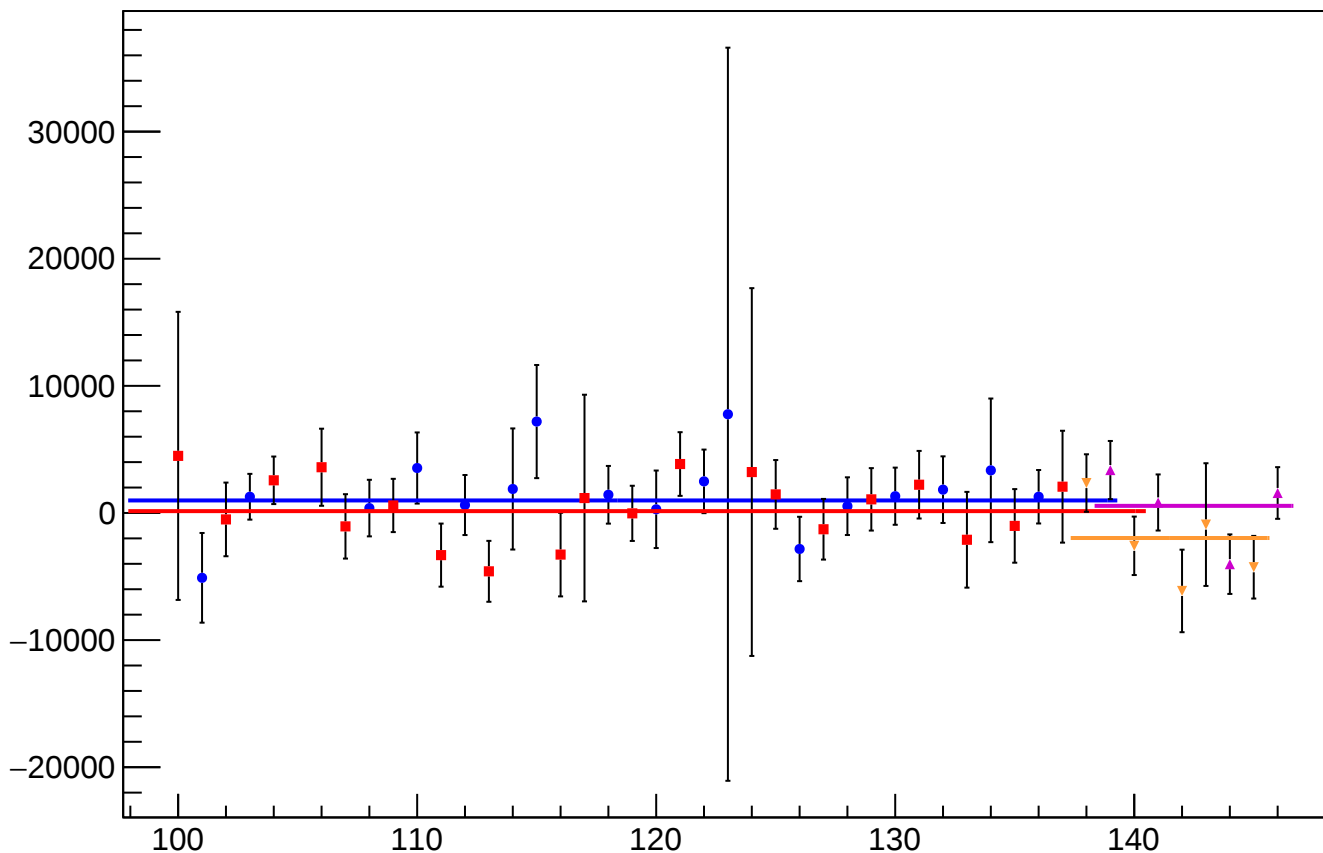
Left In: 9183.898 $\pm$ 3.629 χ^2 /NDF: 42092.5/3

7634.933 $\pm$ 1.746 χ^2 /NDF: 772343.8/21

7642.755 $\pm$ 1.229 χ^2 /NDF: 1610301.8/45

7650.440 $\pm$ 1.731 χ^2 /NDF: 837918.3/23

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452 ± 644.630 χ^2/NDF : 9.1/16

Left Out: -1969.443 ± 1206.348 χ^2/NDF : 6.3/4

Right Out: 144.683 ± 621.728 χ^2/NDF : 14.7/19

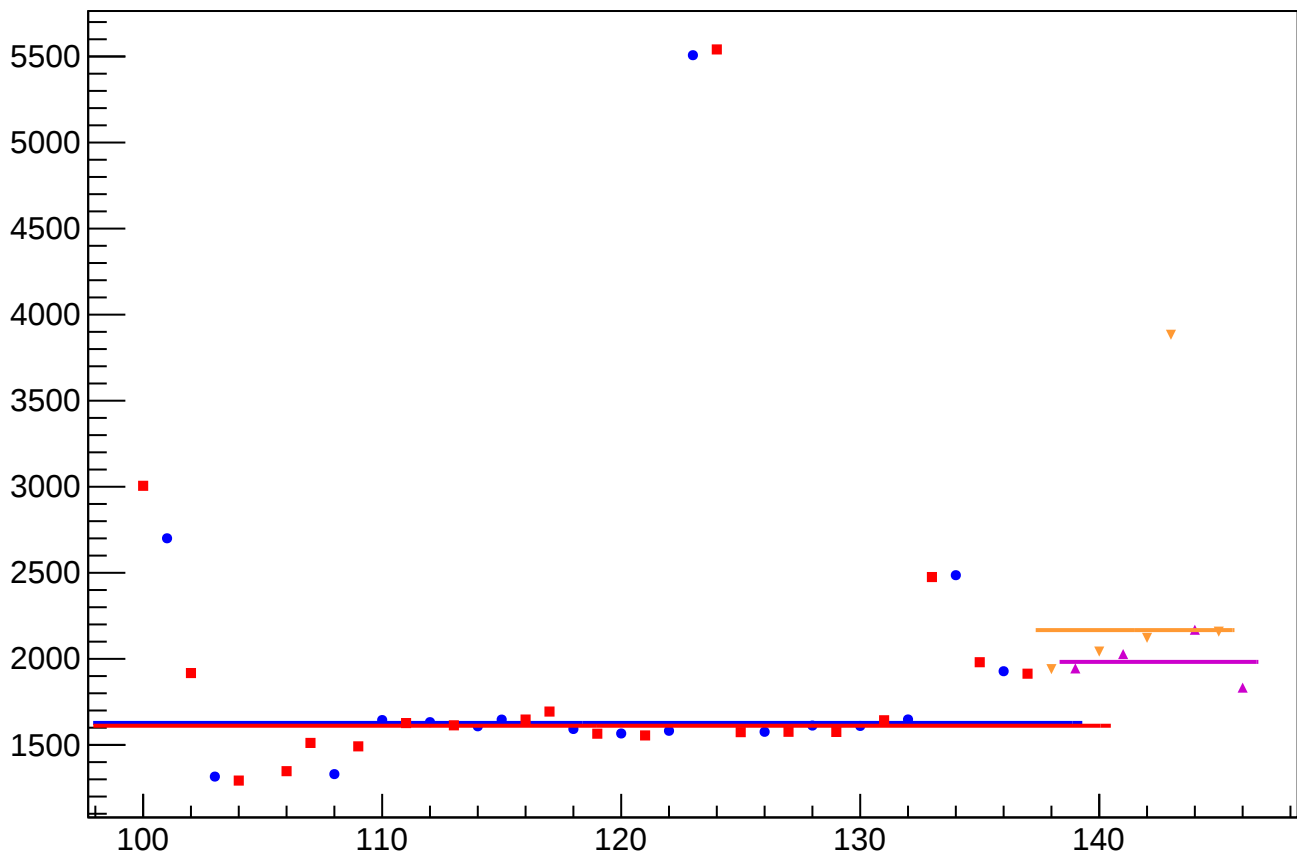
Left In: 560.160 ± 1103.843 χ^2/NDF : 5.6/3

329.110 ± 568.547 χ^2/NDF : 20.0/21

284.889 ± 392.192 χ^2/NDF : 40.4/45

244.745 ± 541.712 χ^2/NDF : 20.4/23

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836 +/- 0.456 χ^2/NDF : 407106.6/16

Left Out: 2167.088 +/- 0.853 χ^2/NDF : 279232.8/4

Right Out: 1611.433 +/- 0.440 χ^2/NDF : 434167.6/19

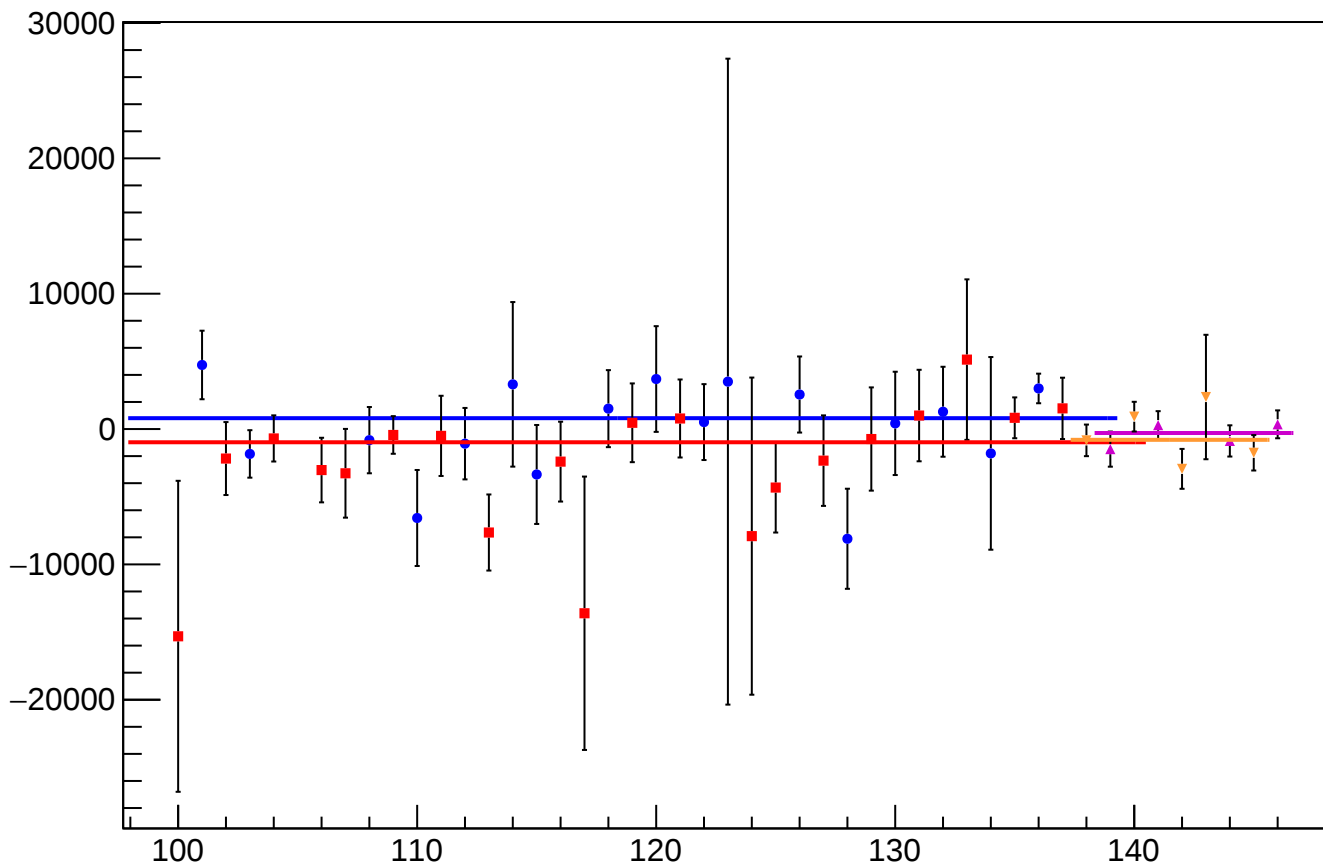
Left In: 1982.446 +/- 0.781 χ^2/NDF : 24942.3/3

1747.615 +/- 0.402 χ^2/NDF : 997210.9/21

1723.069 +/- 0.277 χ^2/NDF : 1634958.3/45

1700.786 +/- 0.383 χ^2/NDF : 630635.5/23

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: -796.900 $\pm$ 613.248 χ^2 /NDF: 5.6/4

Right Out: -976.725 $\pm$ 588.724 χ^2 /NDF: 16.8/19

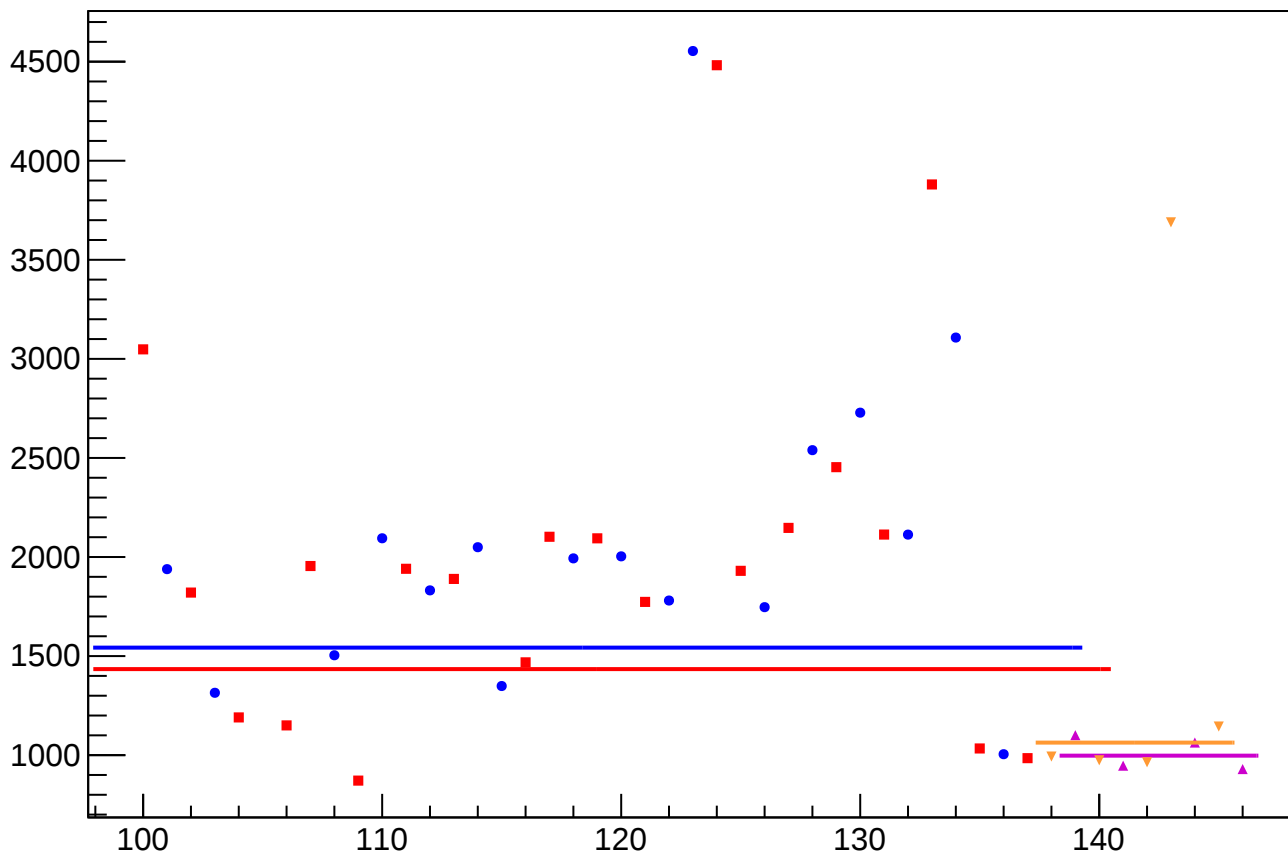
Left In: -292.413 $\pm$ 557.143 χ^2 /NDF: 1.8/3

-20.604 $\pm$ 440.002 χ^2 /NDF: 31.3/21

-343.018 $\pm$ 297.851 χ^2 /NDF: 51.6/45

-615.723 $\pm$ 404.664 χ^2 /NDF: 19.3/23

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705 $\pm$ 0.447 χ^2/NDF : 1287946.3/16

Left Out: 1063.334 $\pm$ 0.434 χ^2/NDF : 689927.8/4

Right Out: 1434.290 $\pm$ 0.416 χ^2/NDF : 1832587.0/19

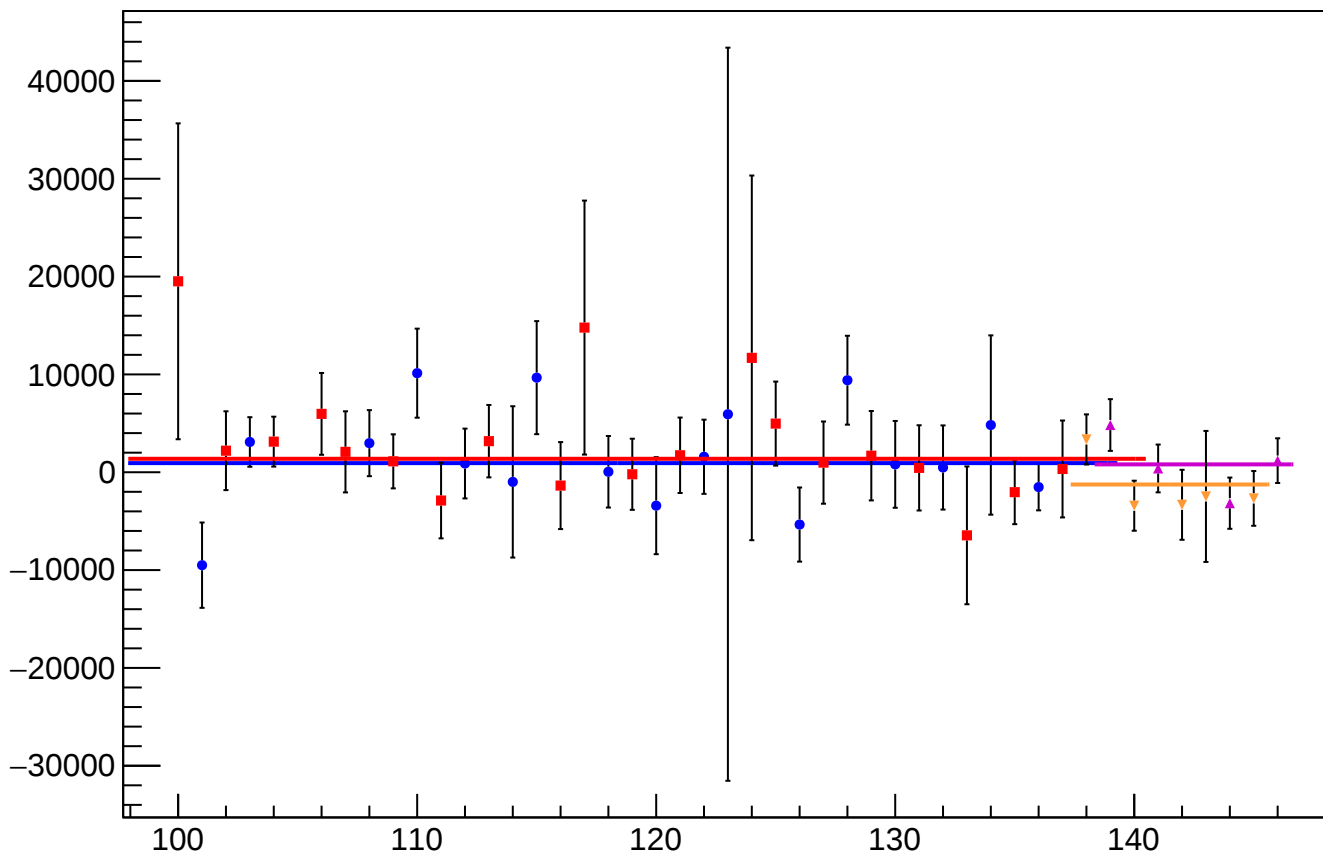
Left In: 997.483 $\pm$ 0.394 χ^2/NDF : 32676.6/3

1295.925 $\pm$ 0.311 χ^2/NDF : 2570831.4/21

1246.046 $\pm$ 0.211 χ^2/NDF : 5064356.9/45

1203.857 $\pm$ 0.286 χ^2/NDF : 2446085.3/23

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1252.309 ± 1368.607 χ^2/NDF : 4.6/4

Right Out: 1375.966 ± 923.072 χ^2/NDF : 9.6/19

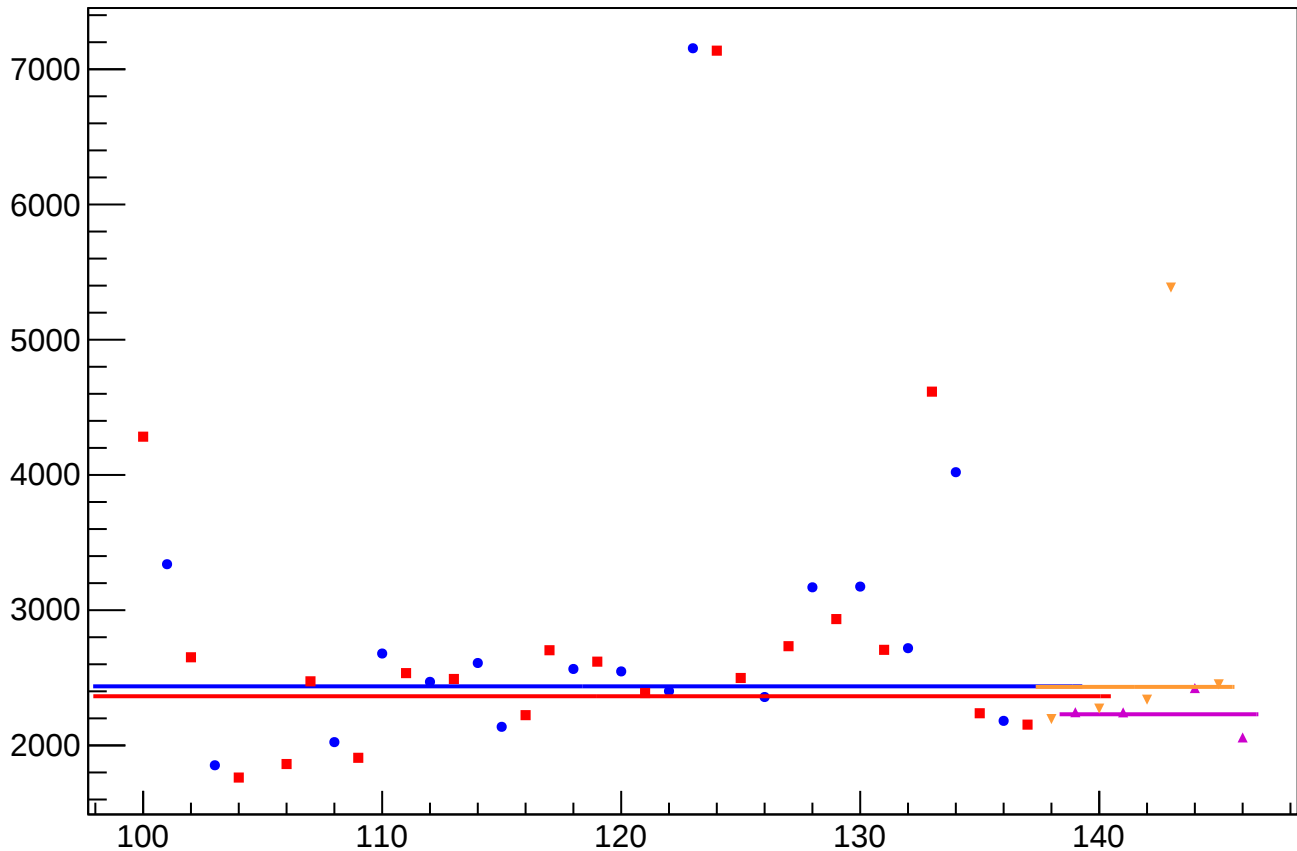
Left In: 804.637 ± 1241.726 χ^2/NDF : 4.7/3

204.252 ± 790.269 χ^2/NDF : 27.9/21

719.686 ± 540.470 χ^2/NDF : 43.0/45

1172.617 ± 740.806 χ^2/NDF : 14.4/23

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855 +/- 0.684 χ^2/NDF : 469030.2/16

Left Out: 2432.766 +/- 0.968 χ^2/NDF : 415641.8/4

Right Out: 2363.609 +/- 0.653 χ^2/NDF : 657228.5/19

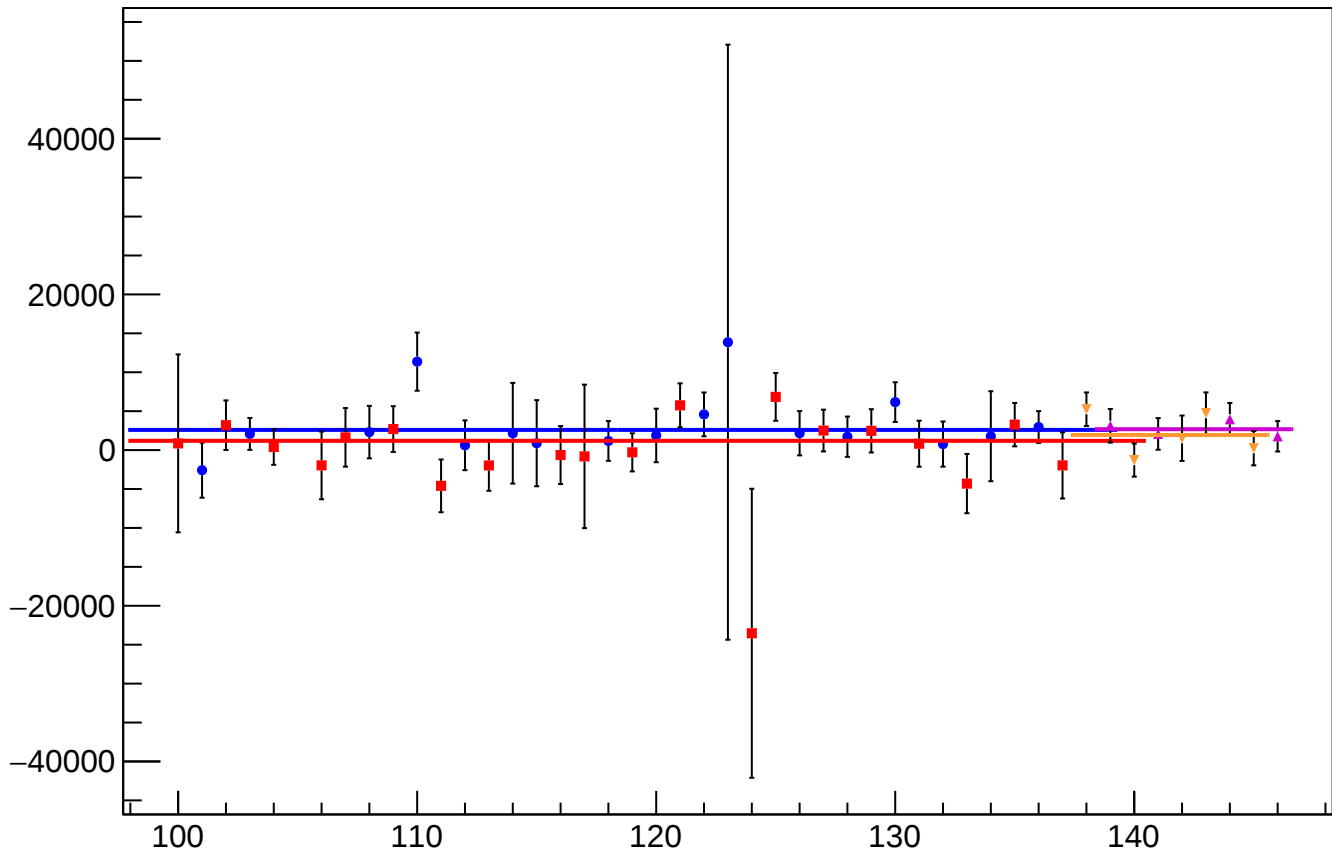
Left In: 2230.337 +/- 0.878 χ^2/NDF : 22355.1/3

2435.492 +/- 0.559 χ^2/NDF : 884683.9/21

2371.982 +/- 0.382 χ^2/NDF : 1603373.6/45

2316.175 +/- 0.524 χ^2/NDF : 694422.5/23

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1937.281 $\pm$ 1053.215 χ^2 /NDF: 6.4/4

Right Out: 1189.680 $\pm$ 737.247 χ^2 /NDF: 17.3/19

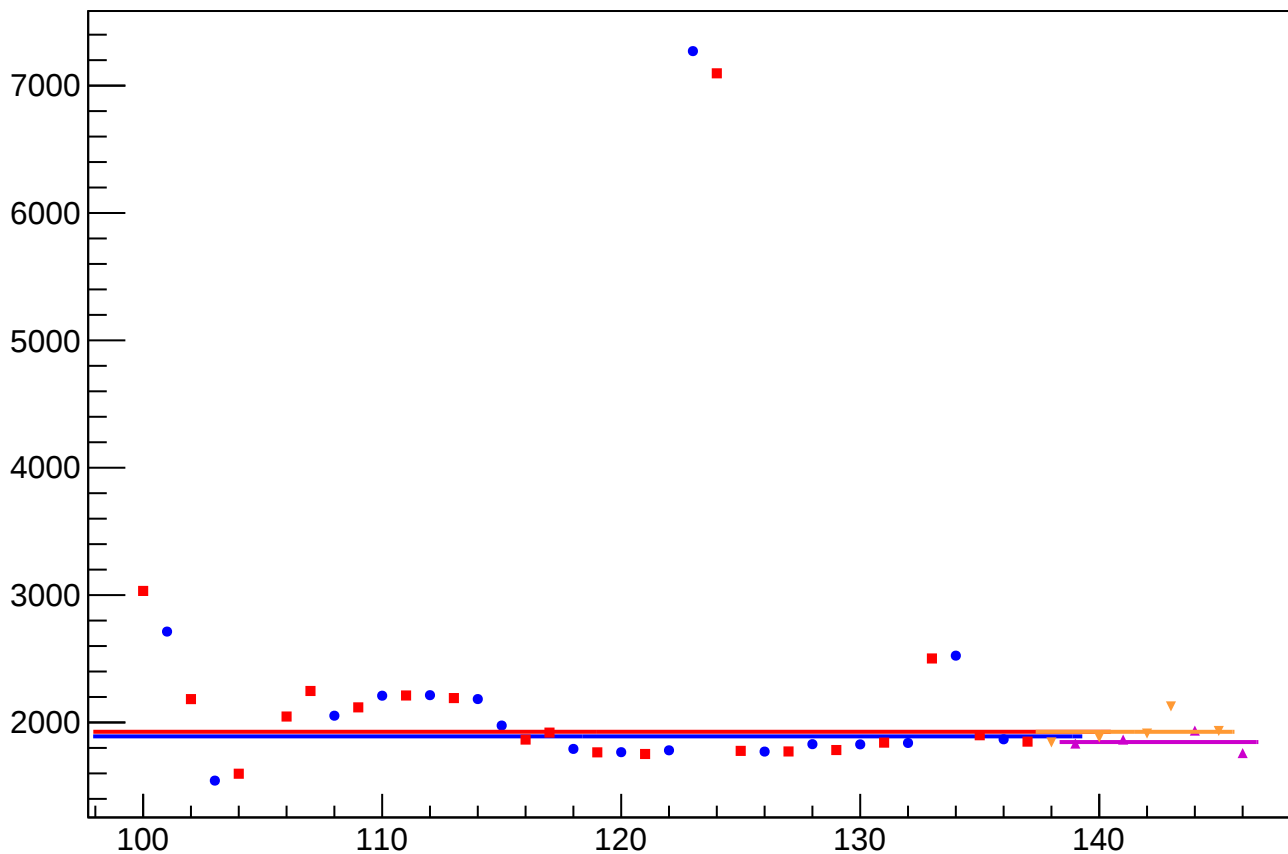
Left In: 2683.054 $\pm$ 1027.526 χ^2 /NDF: 0.7/3

2376.230 $\pm$ 607.128 χ^2 /NDF: 18.3/21

2032.146 $\pm$ 426.406 χ^2 /NDF: 38.3/45

1697.200 $\pm$ 599.012 χ^2 /NDF: 19.4/23

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1926.650+/-0.745 χ^2/NDF : 15127.8/4

Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

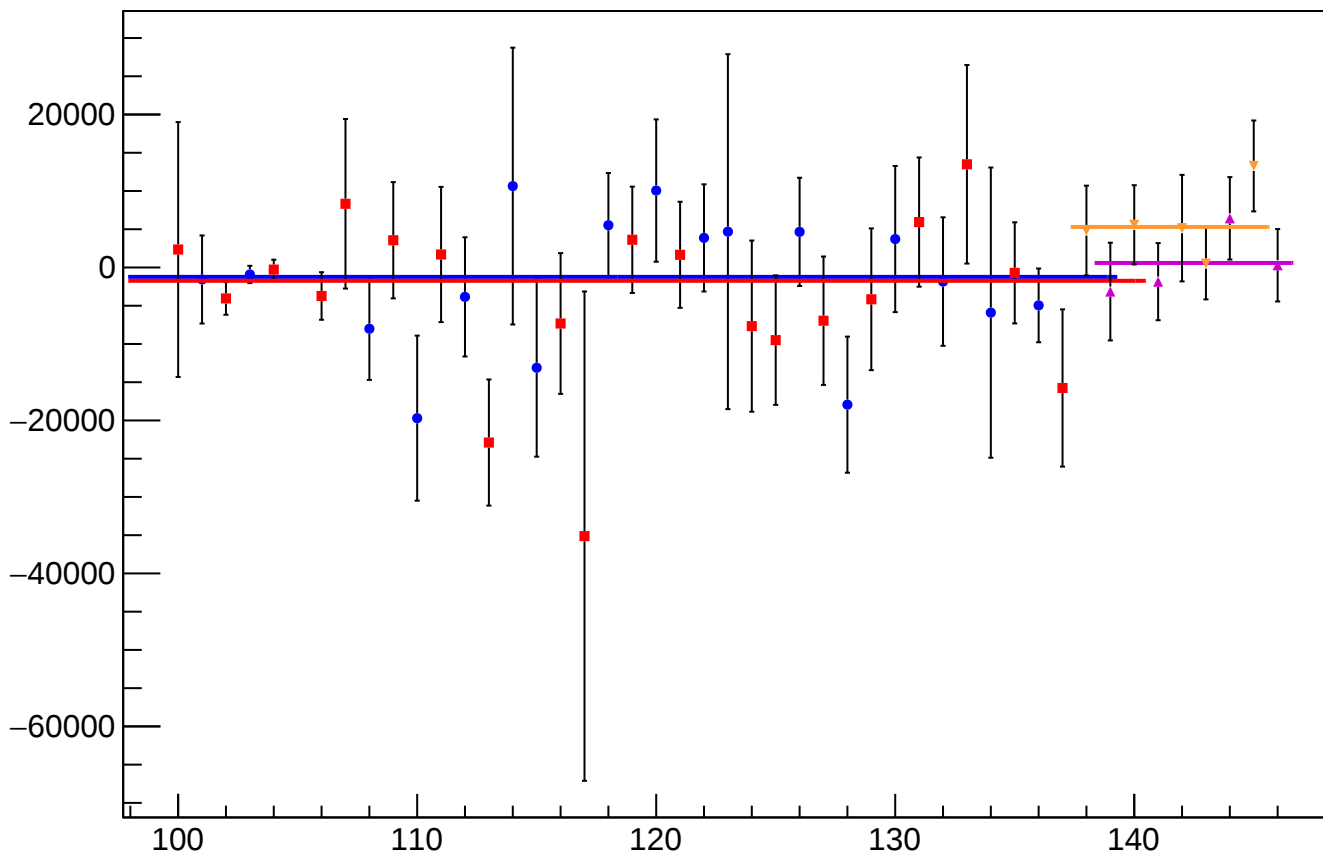
Left In: 1846.194+/-0.727 χ^2/NDF : 7859.1/3

1902.661+/-0.429 χ^2/NDF : 305626.8/21

1901.074+/-0.301 χ^2/NDF : 683923.4/45

1899.533+/-0.423 χ^2/NDF : 378269.7/23

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 5300.724 $\pm$ 2492.594 χ^2 /NDF:2.9/4

Right Out: -1740.671 $\pm$ 941.173 χ^2 /NDF: 18.9/19

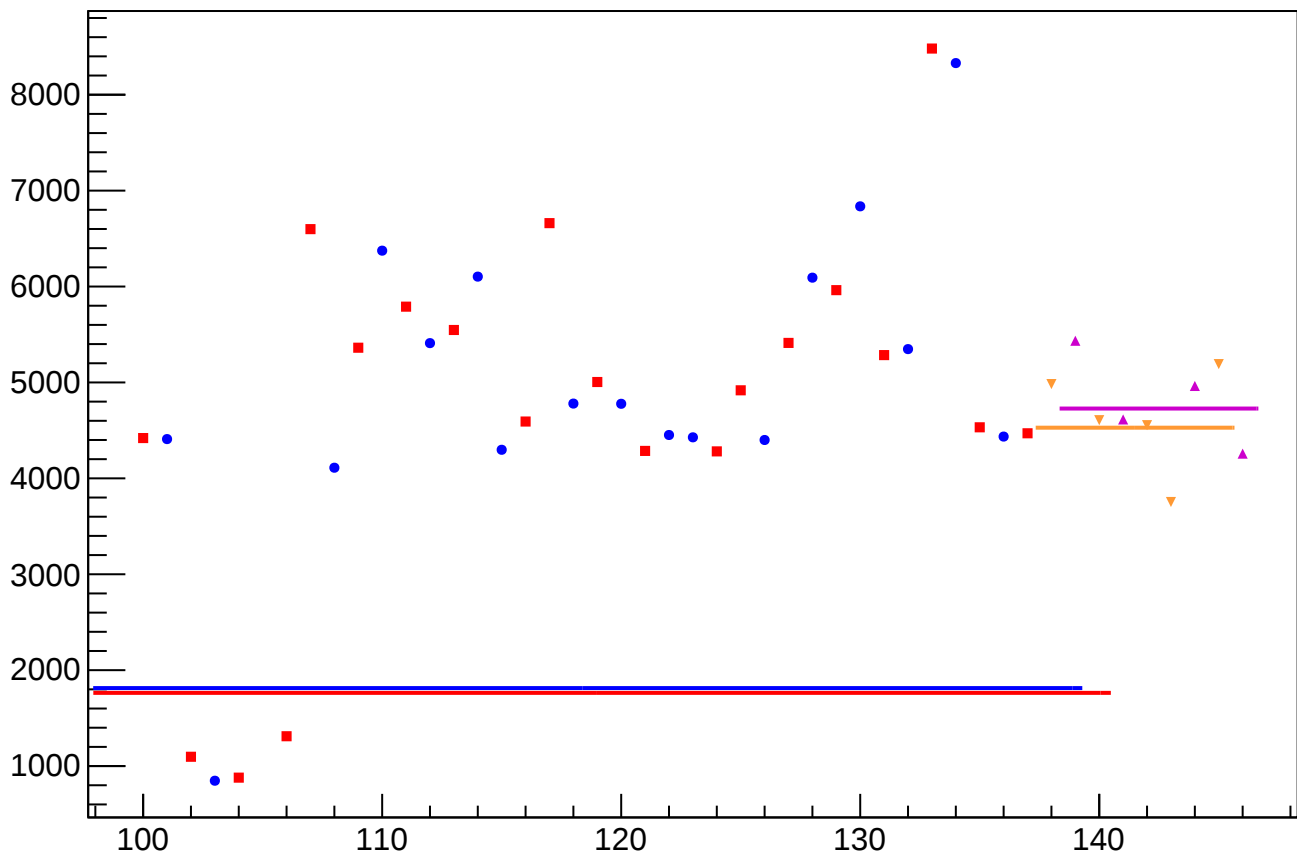
Left In: 590.945 $\pm$ 2645.168 χ^2 /NDF:1.8/3

-345.856 $\pm$ 915.748 χ^2 /NDF: 22.6/21

-930.499 $\pm$ 637.019 χ^2 /NDF: 44.8/45

-1478.660 $\pm$ 886.716 χ^2 /NDF: 21.3/23

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4528.247+/-1.763 χ^2/NDF : 92306.4/4

Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

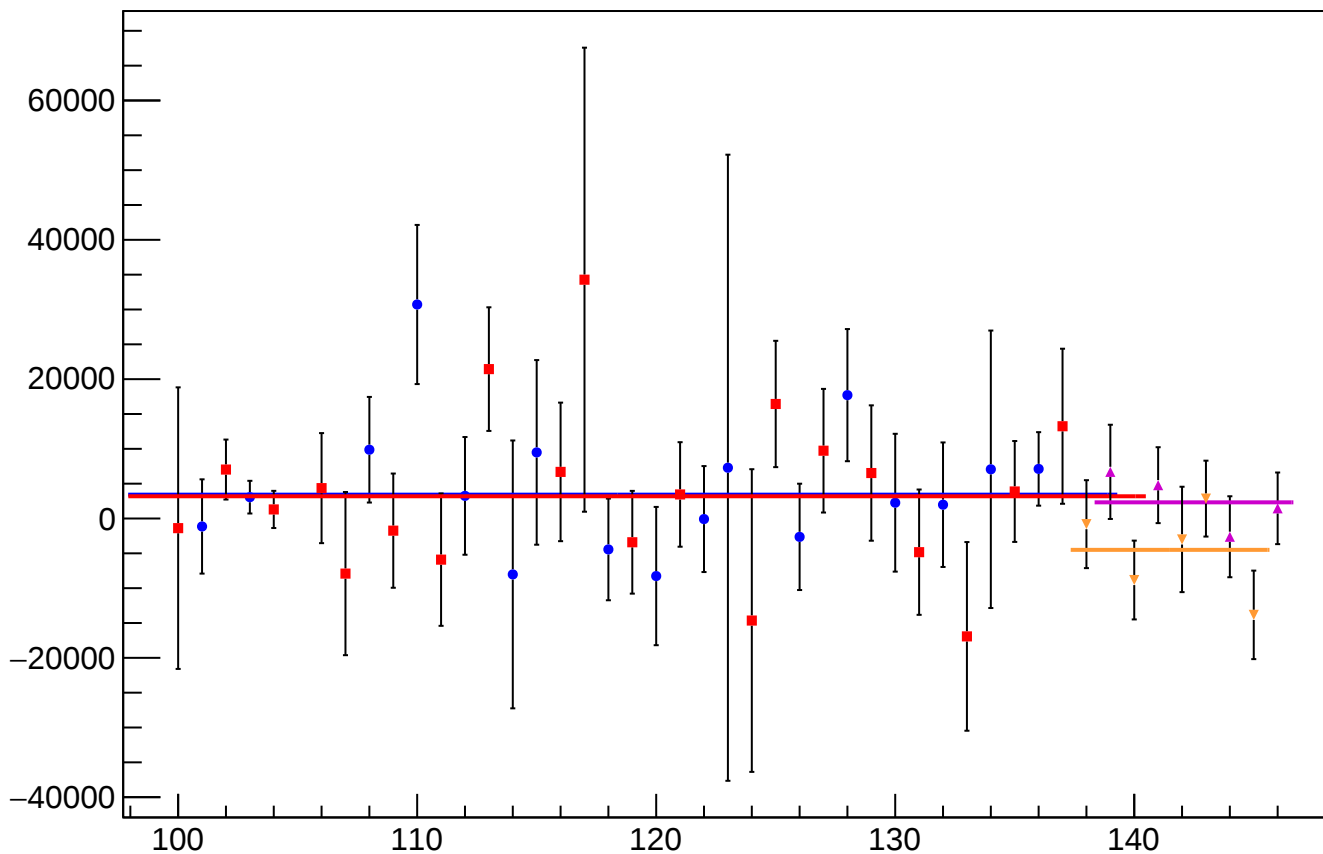
Left In: 4727.805+/-1.870 χ^2/NDF : 49082.3/3

2179.656+/-0.648 χ^2/NDF : 8593984.0/21

2136.739+/-0.450 χ^2/NDF : 17241214.6/4

2096.500+/-0.627 χ^2/NDF : 8638719.3/23

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264 $\pm$ 1606.678 χ^2 /NDF: 13.7/16

Left Out: -4500.296 $\pm$ 2748.855 χ^2 /NDF: 4.9/4

Right Out: 3190.143 $\pm$ 1604.066 χ^2 /NDF: 16.9/19

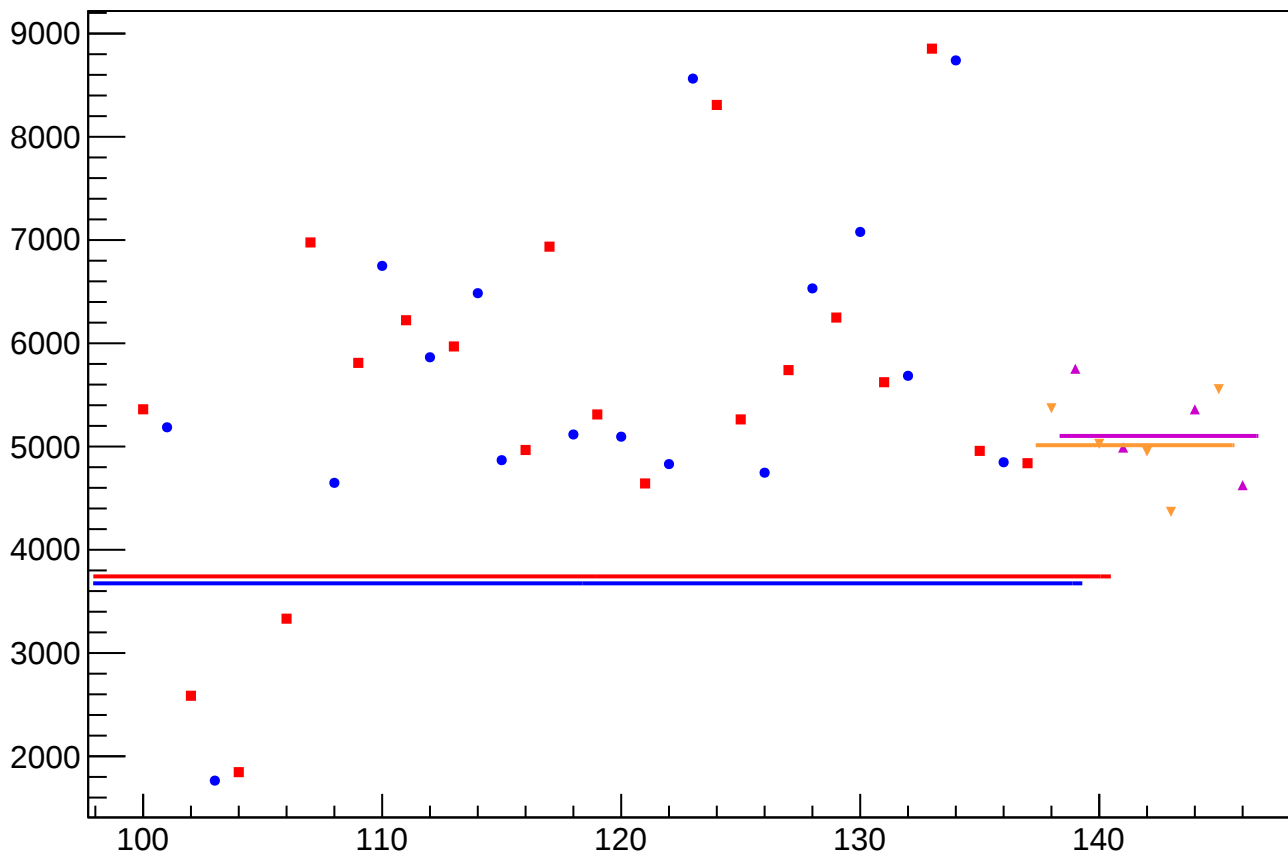
Left In: 2319.757 $\pm$ 2851.116 χ^2 /NDF: 1.4/3

1404.141 $\pm$ 1387.116 χ^2 /NDF: 24.8/21

2186.348 $\pm$ 984.664 χ^2 /NDF: 43.8/45

2980.878 $\pm$ 1397.999 χ^2 /NDF: 18.3/23

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2 /NDF: 2775085.7/16

Left Out: 5013.028 $\pm$ 1.944 χ^2 /NDF: 49227.8/4

Right Out: 3742.124 $\pm$ 1.127 χ^2 /NDF: 2712365.3/19

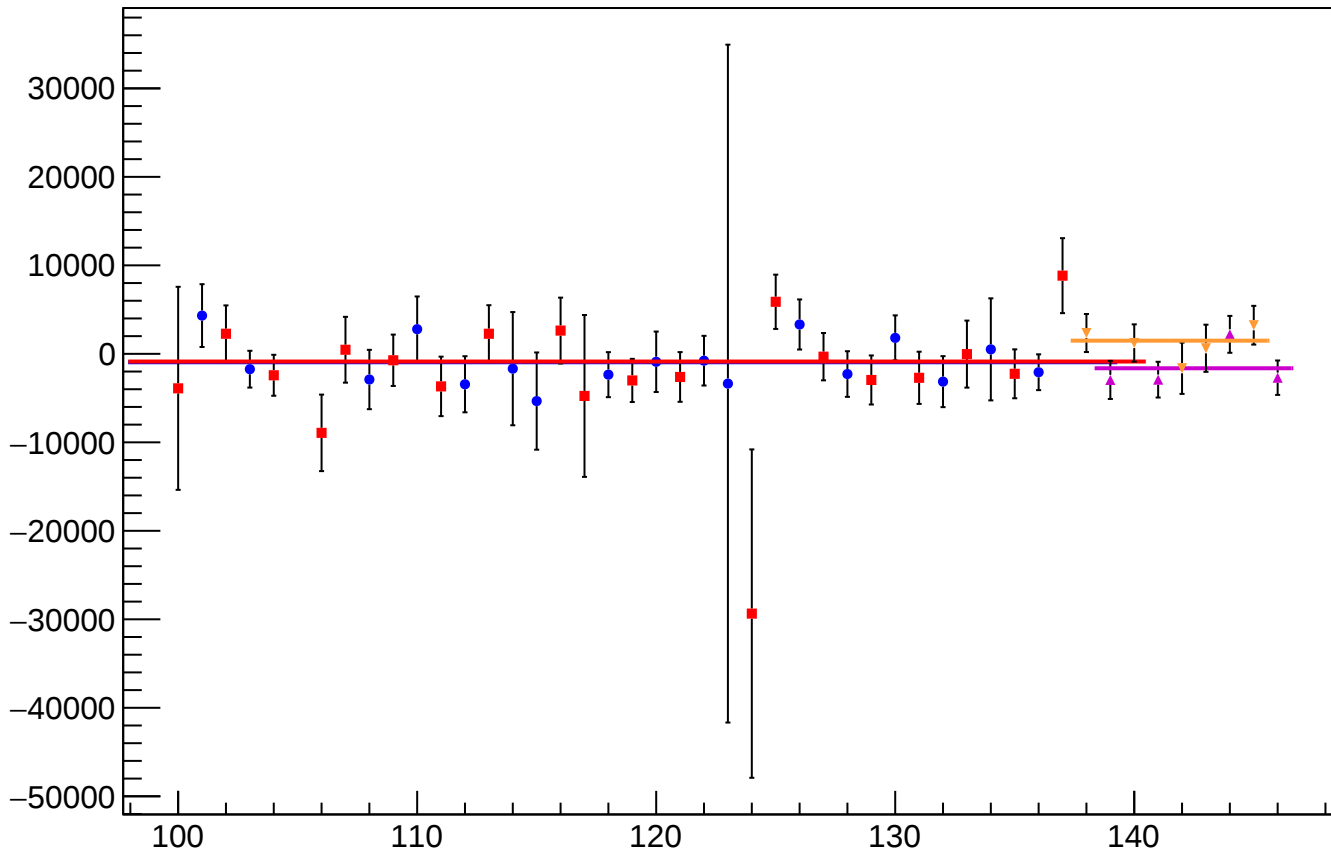
Left In: 5102.765 $\pm$ 2.016 χ^2 /NDF: 40515.3/3

4015.714 $\pm$ 0.981 χ^2 /NDF: 3177514.9/21

4040.771 $\pm$ 0.695 χ^2 /NDF: 6278790.8/45

4065.967 $\pm$ 0.984 χ^2 /NDF: 3099967.0/23

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1488.933+/-1048.072 χ^2/NDF : 2.1/4

Right Out: -868.810+/-735.140 χ^2/NDF : 22.7/19

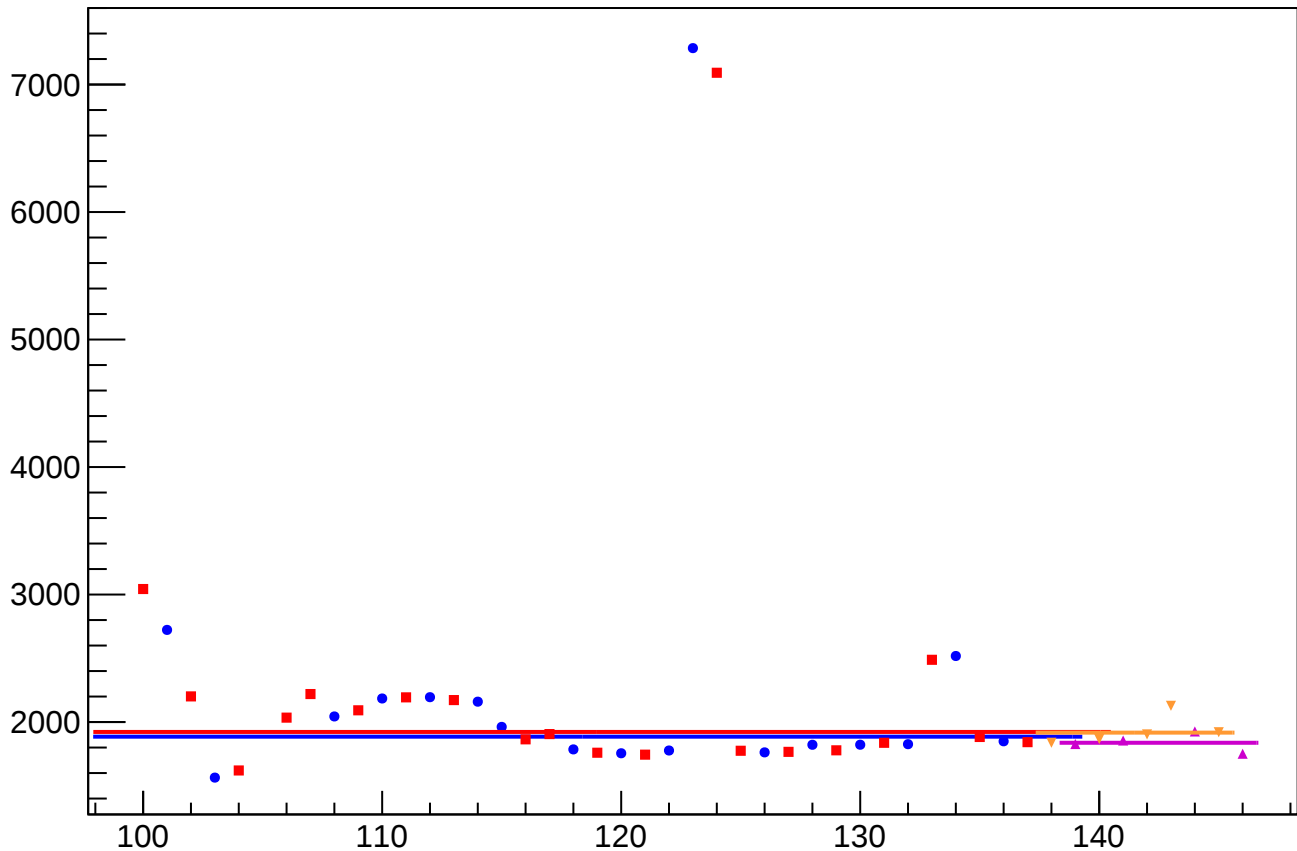
Left In: -1629.162+/-1022.627 χ^2/NDF : 4.5/3

-138.571+/-604.870 χ^2/NDF : 15.6/21

-639.773+/-424.865 χ^2/NDF : 44.5/45

-1127.869+/-596.910 χ^2/NDF : 27.5/23

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360 ± 0.524 χ^2/NDF : 280429.0/16

Left Out: 1917.065 ± 0.741 χ^2/NDF : 16396.8/4

Right Out: 1922.430 ± 0.519 χ^2/NDF : 351518.8/19

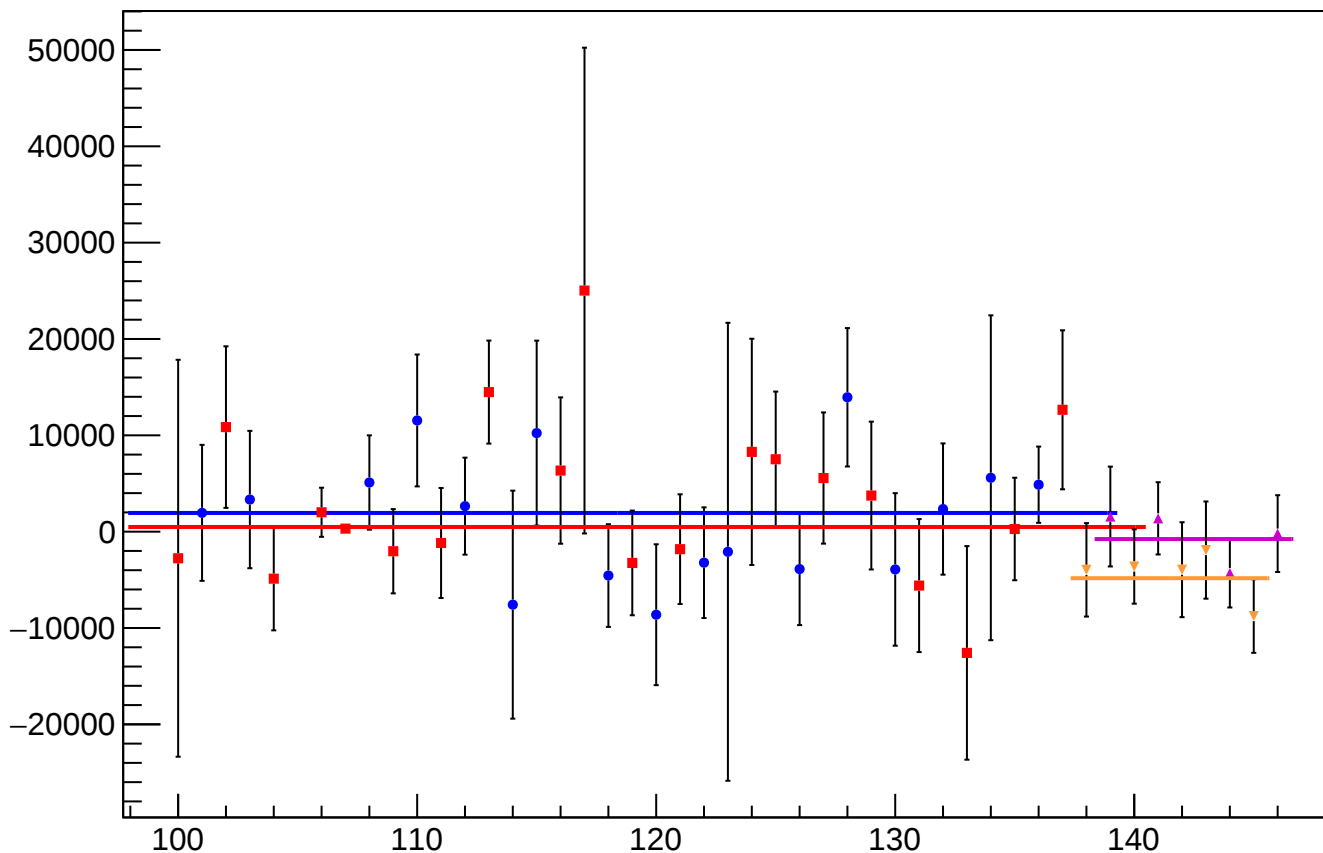
Left In: 1837.426 ± 0.723 χ^2/NDF : 7734.8/3

1895.920 ± 0.428 χ^2/NDF : 298046.5/21

1894.707 ± 0.300 χ^2/NDF : 666436.2/45

1893.528 ± 0.422 χ^2/NDF : 368373.8/23

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -4831.468+/-1965.398 χ^2/NDF : 1.6/4

Right Out: 486.774+/-453.611 χ^2/NDF : 19.0/19

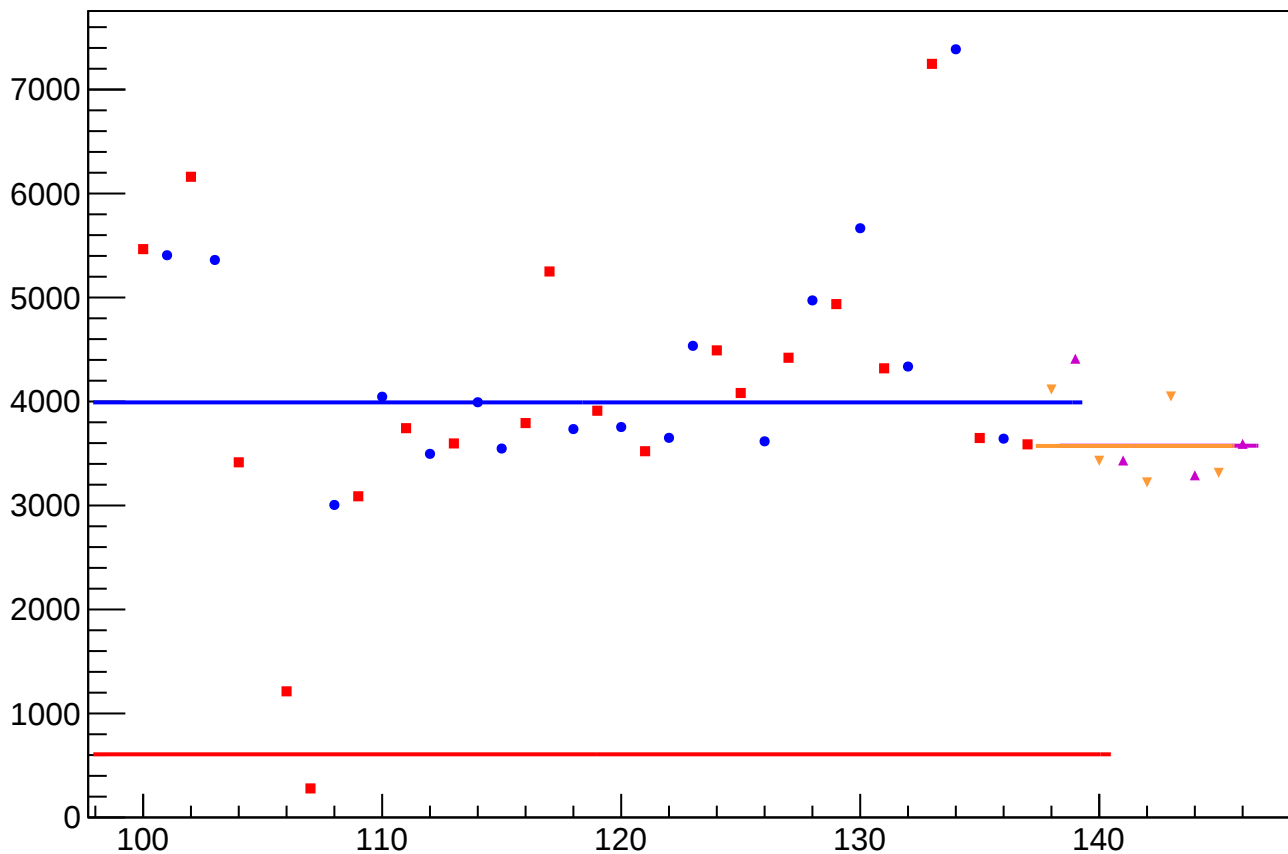
Left In: -766.471+/-2002.643 χ^2/NDF : 1.5/3

-718.483+/-1231.923 χ^2/NDF : 22.0/21

294.921+/-416.370 χ^2/NDF : 43.6/45

425.614+/-442.404 χ^2/NDF : 20.9/23

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416 $\pm$ 1.118 χ^2 /NDF: 510782.7/16

Left Out: 3572.497 $\pm$ 1.390 χ^2 /NDF: 64906.2/4

Right Out: 607.234 $\pm$ 0.321 χ^2 /NDF: 10314440.1/19

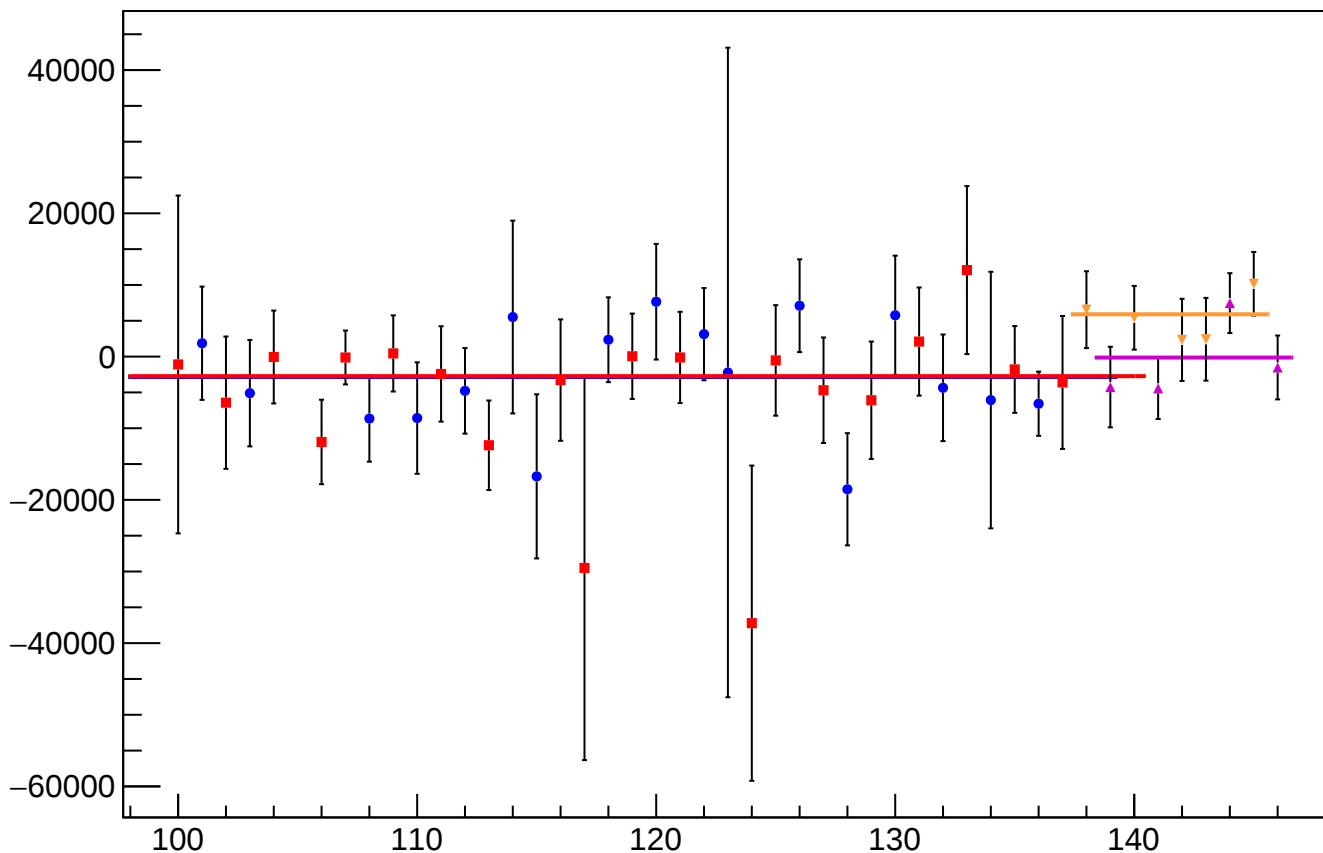
Left In: 3574.966 $\pm$ 1.416 χ^2 /NDF: 67708.4/3

3826.829 $\pm$ 0.871 χ^2 /NDF: 630853.6/21

1103.303 $\pm$ 0.294 χ^2 /NDF: 26226622.0/4

752.064 $\pm$ 0.313 χ^2 /NDF: 14559909.0/23

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599+/-1786.019 χ^2 /NDF: 15.4/16

Left Out: 5907.708+/-2256.588 χ^2 /NDF: 1.7/4

Right Out: -2729.311+/-1572.398 χ^2 /NDF: 12.2/19

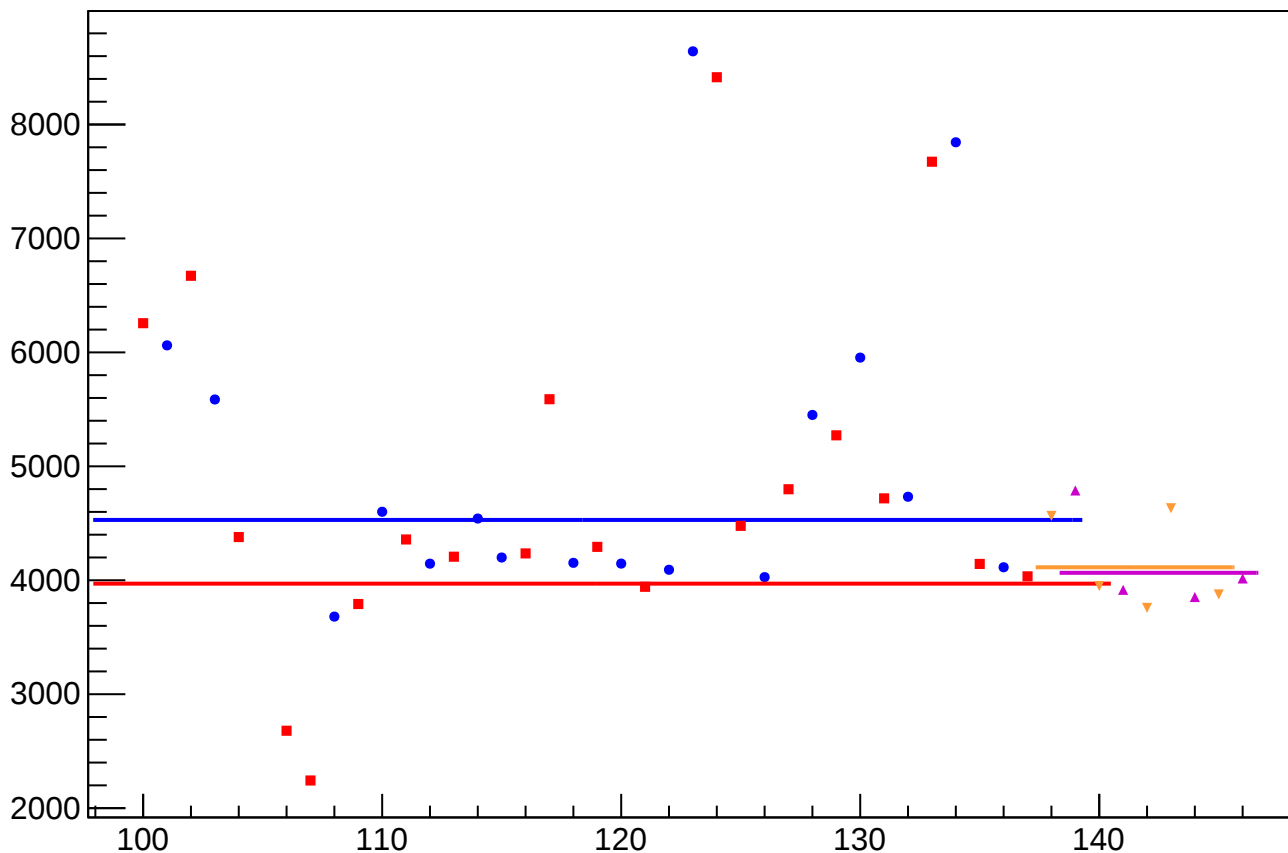
Left In: -135.406+/-2270.267 χ^2 /NDF: 5.0/3

529.460+/-1400.456 χ^2 /NDF: 26.4/21

-776.117+/-949.864 χ^2 /NDF: 46.0/45

-1888.398+/-1292.634 χ^2 /NDF: 18.0/23

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2/NDF : 389326.2/16

Left Out: 4113.936 $\pm$ 1.596 χ^2/NDF : 46450.5/4

Right Out: 3970.336 $\pm$ 1.105 χ^2/NDF : 1147711.9/19

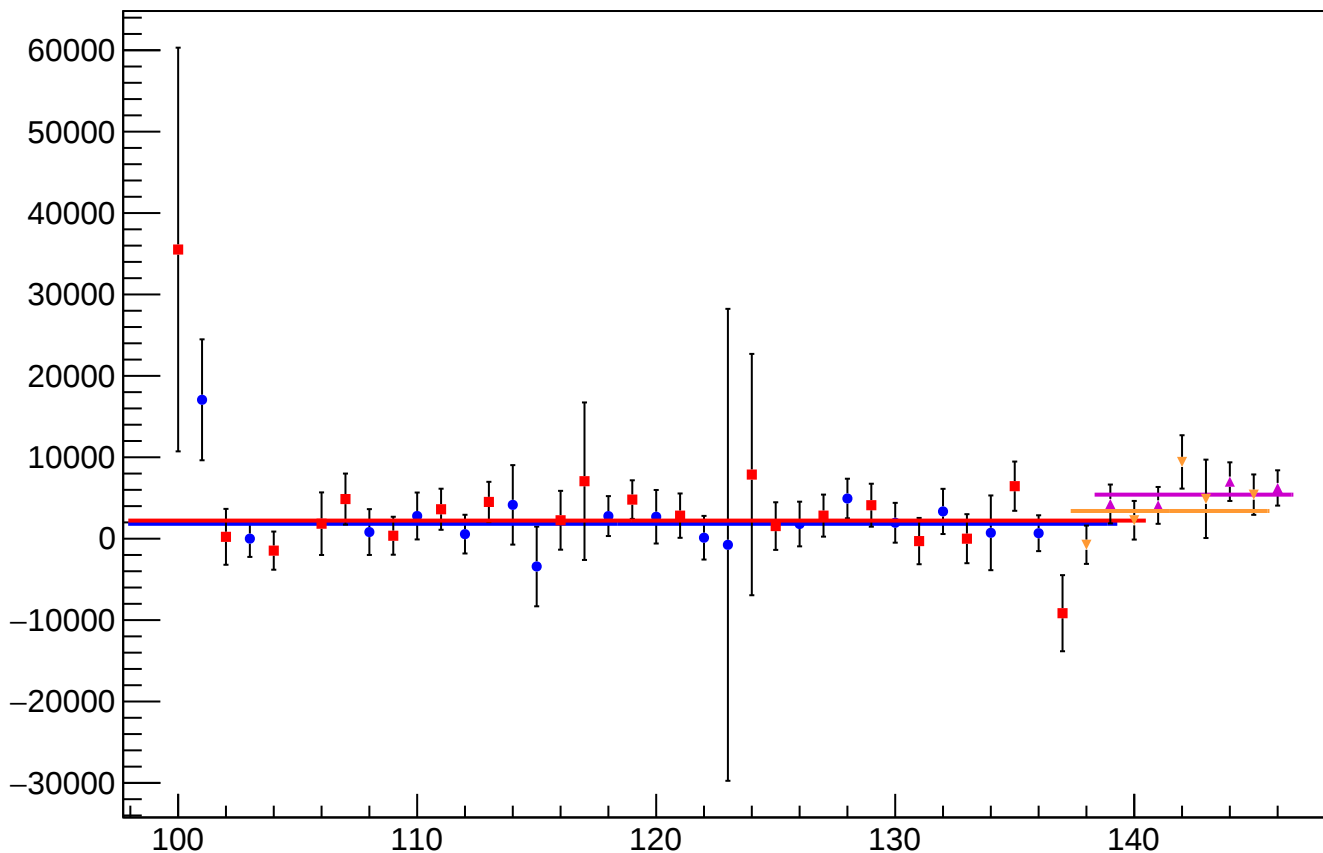
Left In: 4065.445 $\pm$ 1.605 χ^2/NDF : 40862.6/3

4369.420 $\pm$ 0.990 χ^2/NDF : 477471.9/21

4169.639 $\pm$ 0.670 χ^2/NDF : 1743504.8/45

4000.903 $\pm$ 0.910 χ^2/NDF : 1190956.5/23

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 3402.638 $\pm$ 1233.706 χ^2 /NDF: 7.5/4

Right Out: 2222.274 $\pm$ 682.500 χ^2 /NDF: 18.6/19

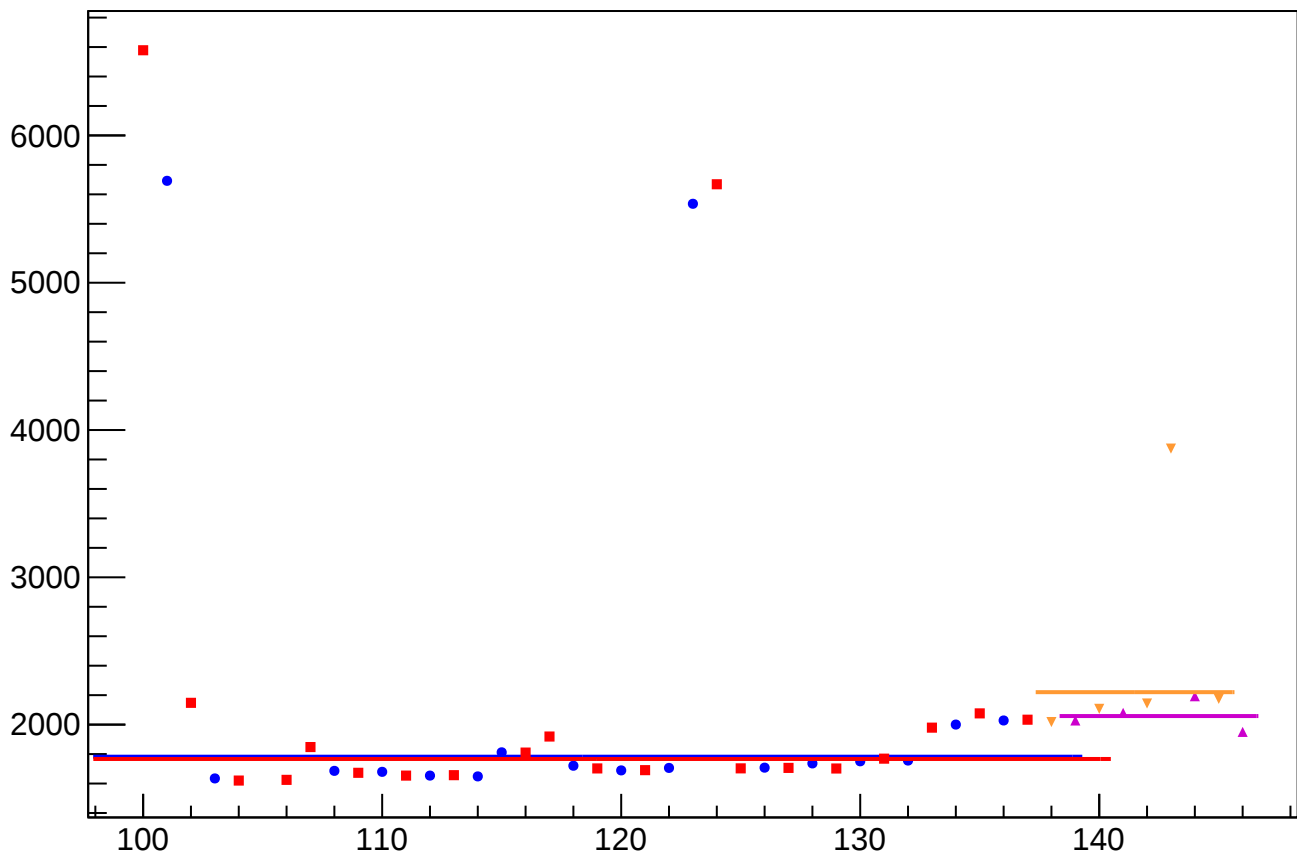
Left In: 5409.515 $\pm$ 1146.285 χ^2 /NDF: 1.2/3

2222.453 $\pm$ 616.239 χ^2 /NDF: 18.4/21

2660.111 $\pm$ 424.814 χ^2 /NDF: 44.8/45

3056.445 $\pm$ 586.425 χ^2 /NDF: 25.5/23

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137 $\pm$ 0.503 χ^2/NDF : 645188.8/16

Left Out: 2220.313 $\pm$ 0.872 χ^2/NDF : 257107.6/4

Right Out: 1766.719 $\pm$ 0.479 χ^2/NDF : 307297.1/19

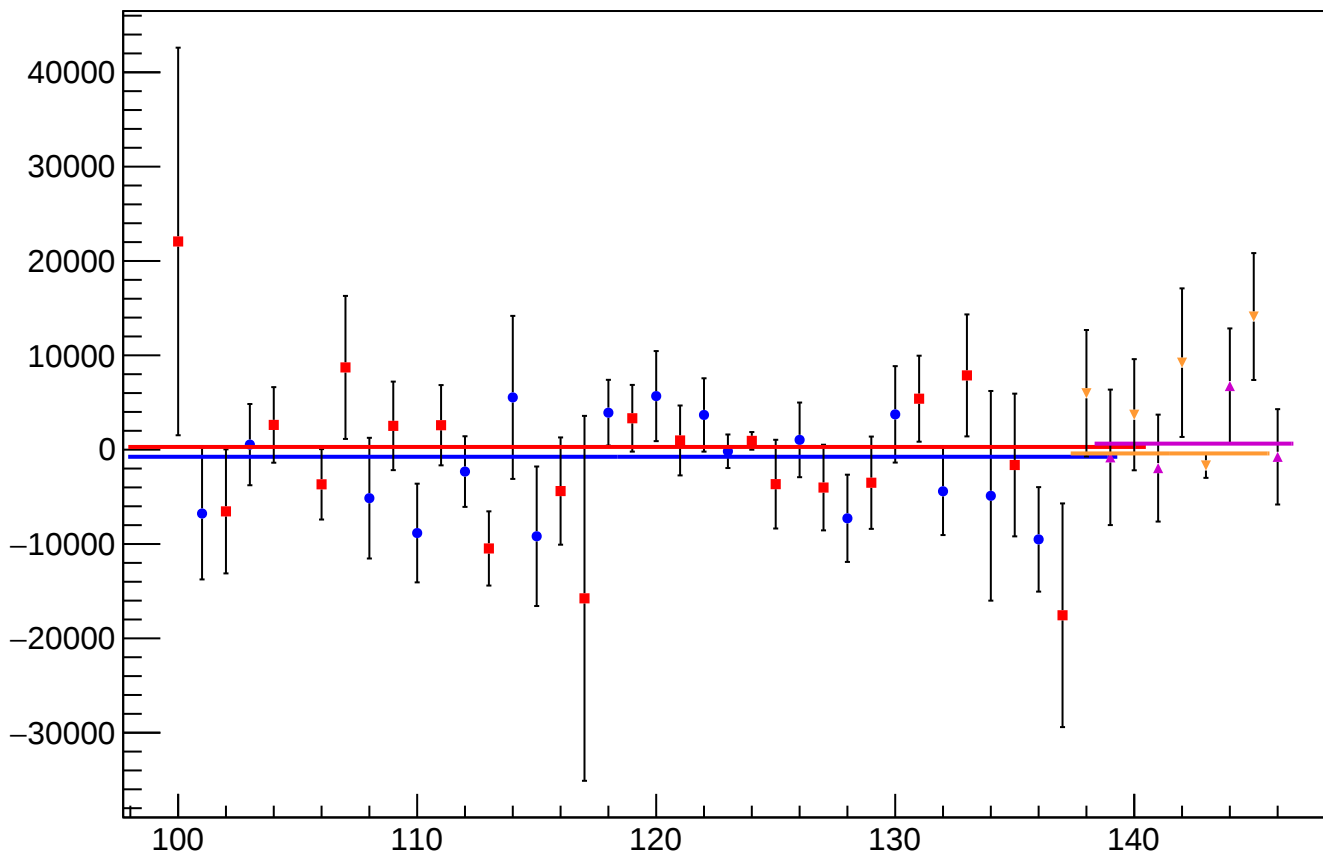
Left In: 2058.134 $\pm$ 0.811 χ^2/NDF : 11845.1/3

1891.462 $\pm$ 0.436 χ^2/NDF : 1091641.0/21

1865.498 $\pm$ 0.300 χ^2/NDF : 1513288.3/45

1842.221 $\pm$ 0.413 χ^2/NDF : 414913.8/23

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -399.423+/-1224.081 χ^2/NDF : 8.5/4

Right Out: 288.847+/-724.622 χ^2/NDF : 22.7/19

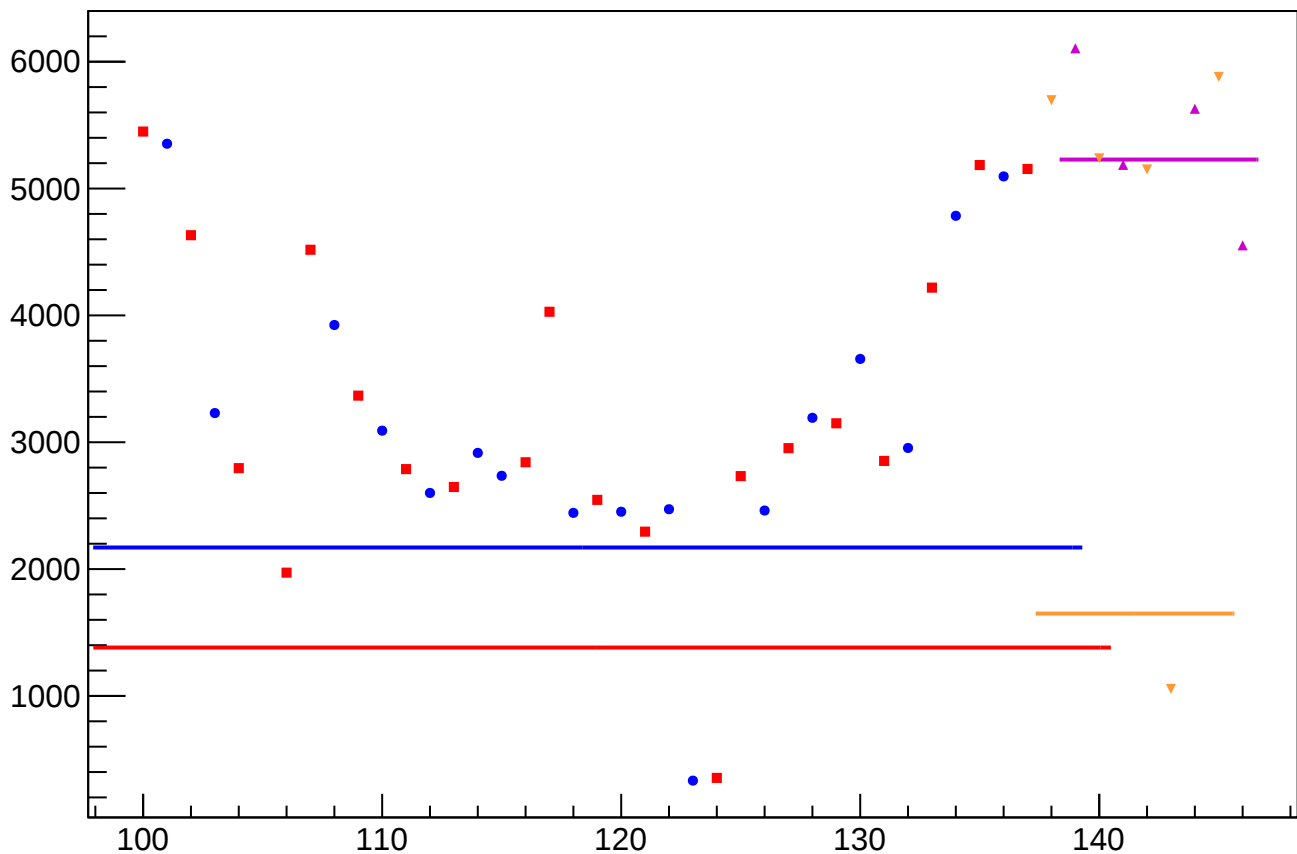
Left In: 639.813+/-2929.778 χ^2/NDF : 1.3/3

-610.289+/-778.367 χ^2/NDF : 25.5/21

-104.228+/-521.886 χ^2/NDF : 50.3/45

309.079+/-703.427 χ^2/NDF : 24.0/23

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 1649.382 $\pm$ 0.866 χ^2 /NDF: 3066591.0/4

Right Out: 1381.438 $\pm$ 0.512 χ^2 /NDF: 6884822.3/19

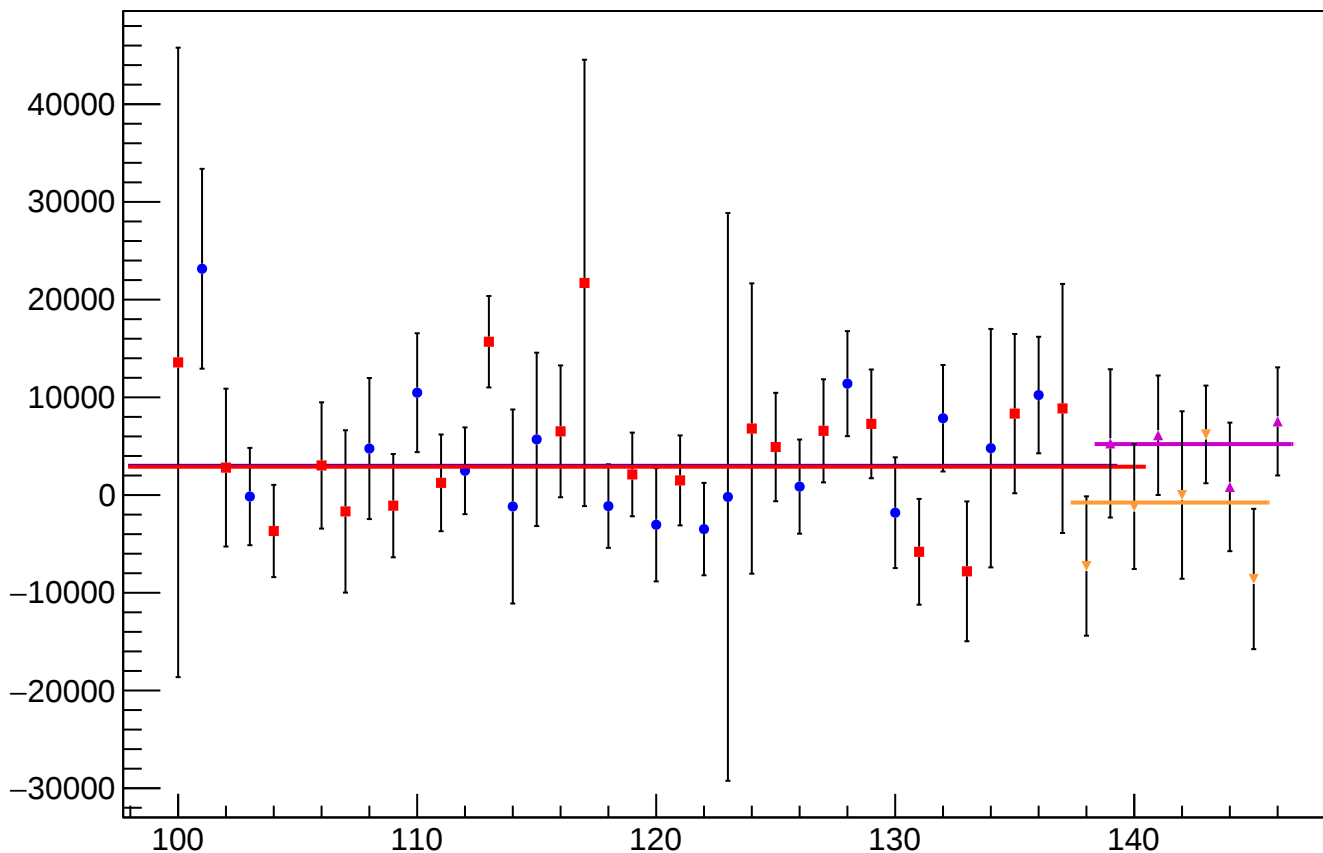
Left In: 5228.462 $\pm$ 2.072 χ^2 /NDF: 74355.2/3

1959.636 $\pm$ 0.550 χ^2 /NDF: 7256015.9/21

1763.439 $\pm$ 0.369 χ^2 /NDF: 17695603.7/4

1603.203 $\pm$ 0.497 χ^2 /NDF: 10208737.0/23

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2/NDF : 15.7/16

Left Out: -764.700 $\pm$ 2921.521 χ^2/NDF : 4.0/4

Right Out: 2901.985 $\pm$ 1376.603 χ^2/NDF : 18.4/19

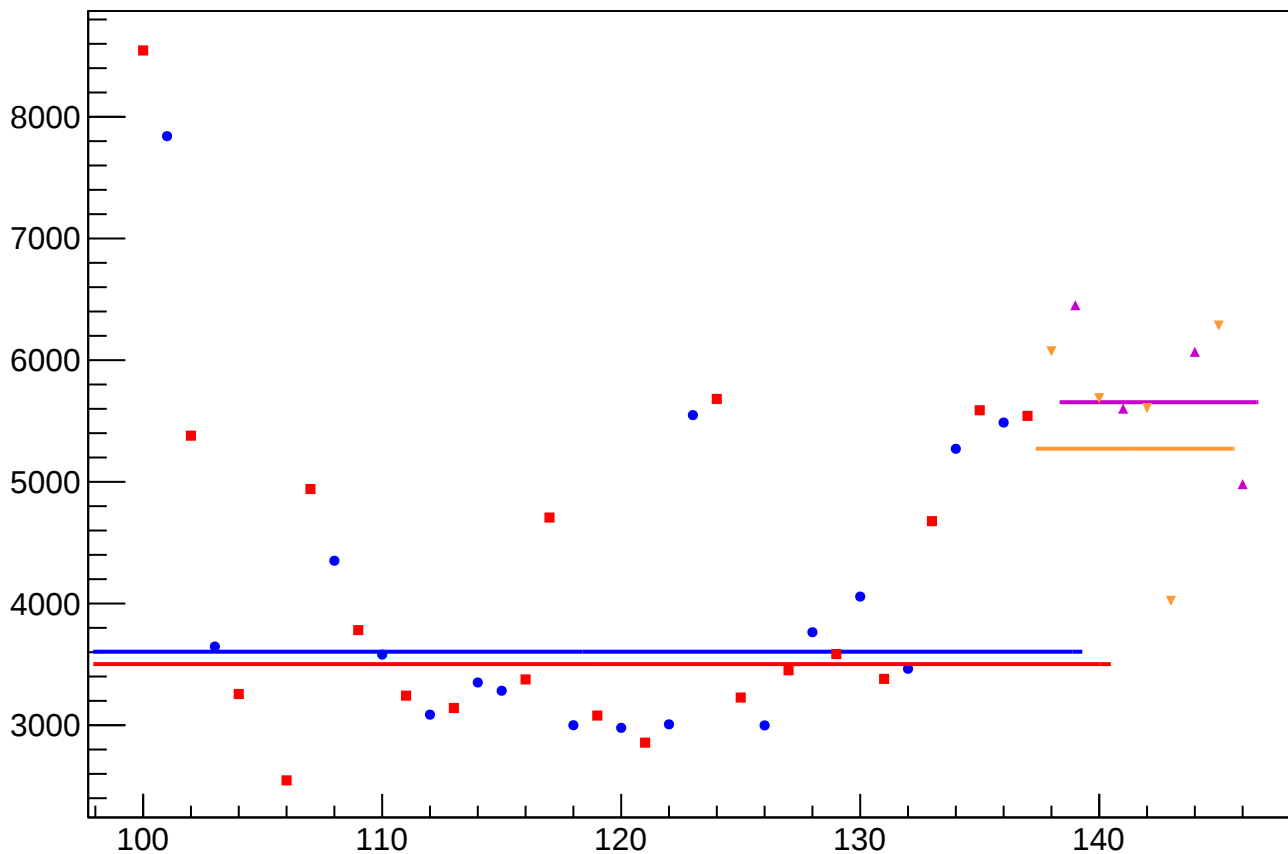
Left In: 5217.302 $\pm$ 3163.448 χ^2/NDF : 0.6/3

2252.448 $\pm$ 1296.821 χ^2/NDF : 21.0/21

2775.277 $\pm$ 904.527 χ^2/NDF : 40.8/45

3270.616 $\pm$ 1262.267 χ^2/NDF : 19.5/23

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 $\pm$ 1.023 χ^2/NDF : 784674.5/16

Left Out: 5272.355 $\pm$ 2.066 χ^2/NDF : 201563.1/4

Right Out: 3501.857 $\pm$ 0.960 χ^2/NDF : 667483.1/19

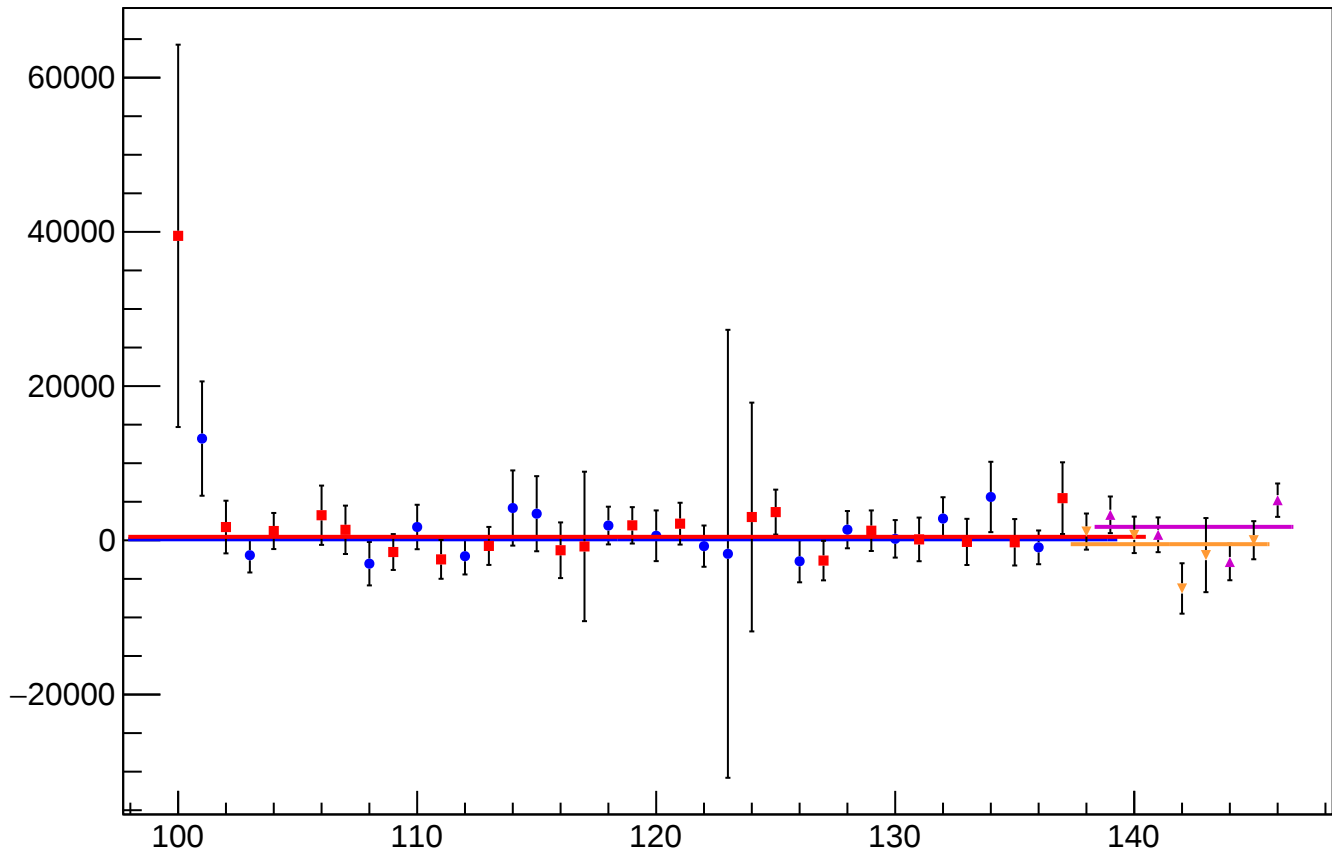
Left In: 5654.599 $\pm$ 2.237 χ^2/NDF : 59806.2/3

3932.664 $\pm$ 0.917 χ^2/NDF : 1509986.6/21

3882.794 $\pm$ 0.636 χ^2/NDF : 3025109.7/45

3836.643 $\pm$ 0.882 χ^2/NDF : 1509428.3/23

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: -499.979 $\pm$ 1228.924 χ^2 /NDF: 4.0/4

Right Out: 452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

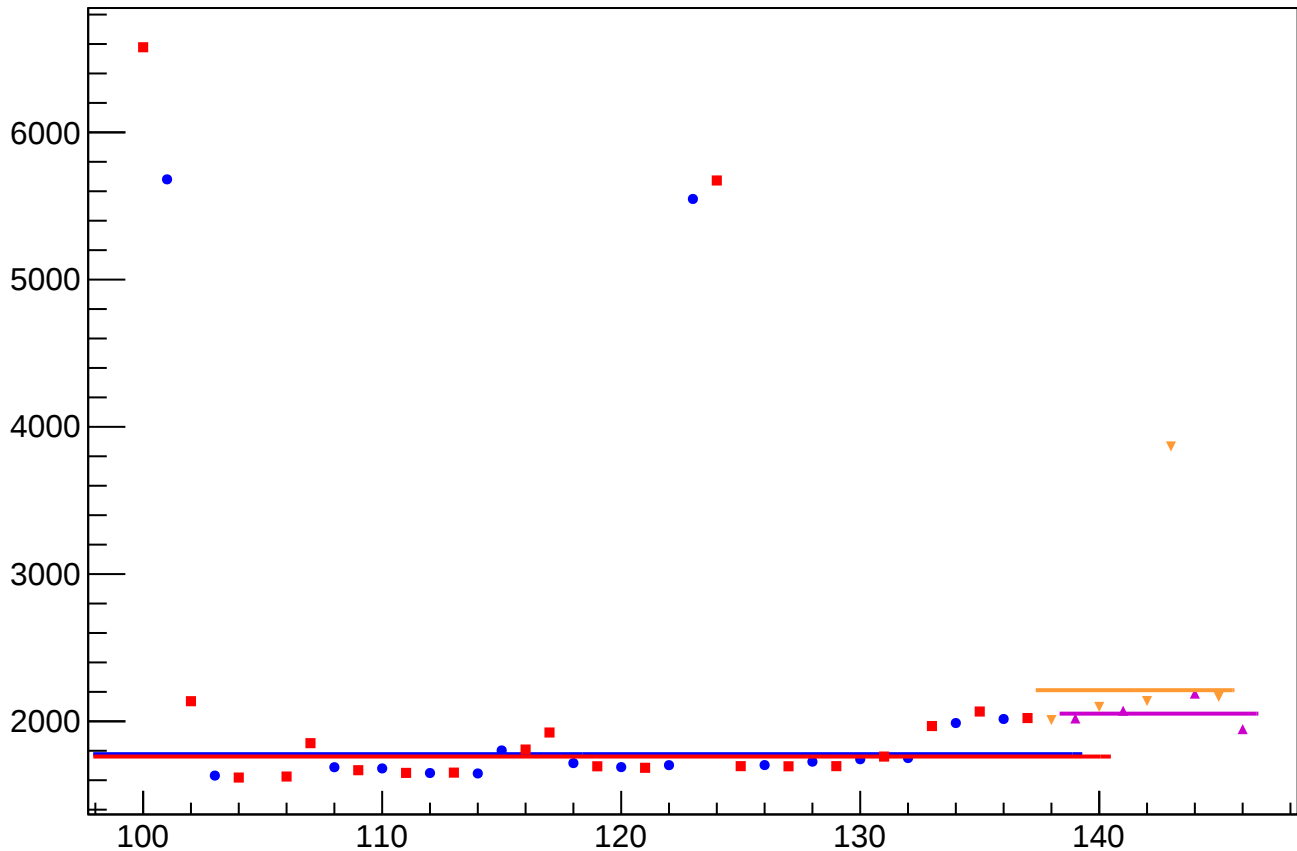
Left In: 1746.124 $\pm$ 1142.905 χ^2 /NDF: 6.9/3

-26.705 $\pm$ 614.259 χ^2 /NDF: 16.3/21

402.497 $\pm$ 423.429 χ^2 /NDF: 35.8/45

791.104 $\pm$ 584.488 χ^2 /NDF: 18.6/23

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879 ± 0.501 χ^2/NDF : 643576.8/16

Left Out: 2211.459 ± 0.869 χ^2/NDF : 258575.0/4

Right Out: 1760.787 ± 0.478 χ^2/NDF : 306724.5/19

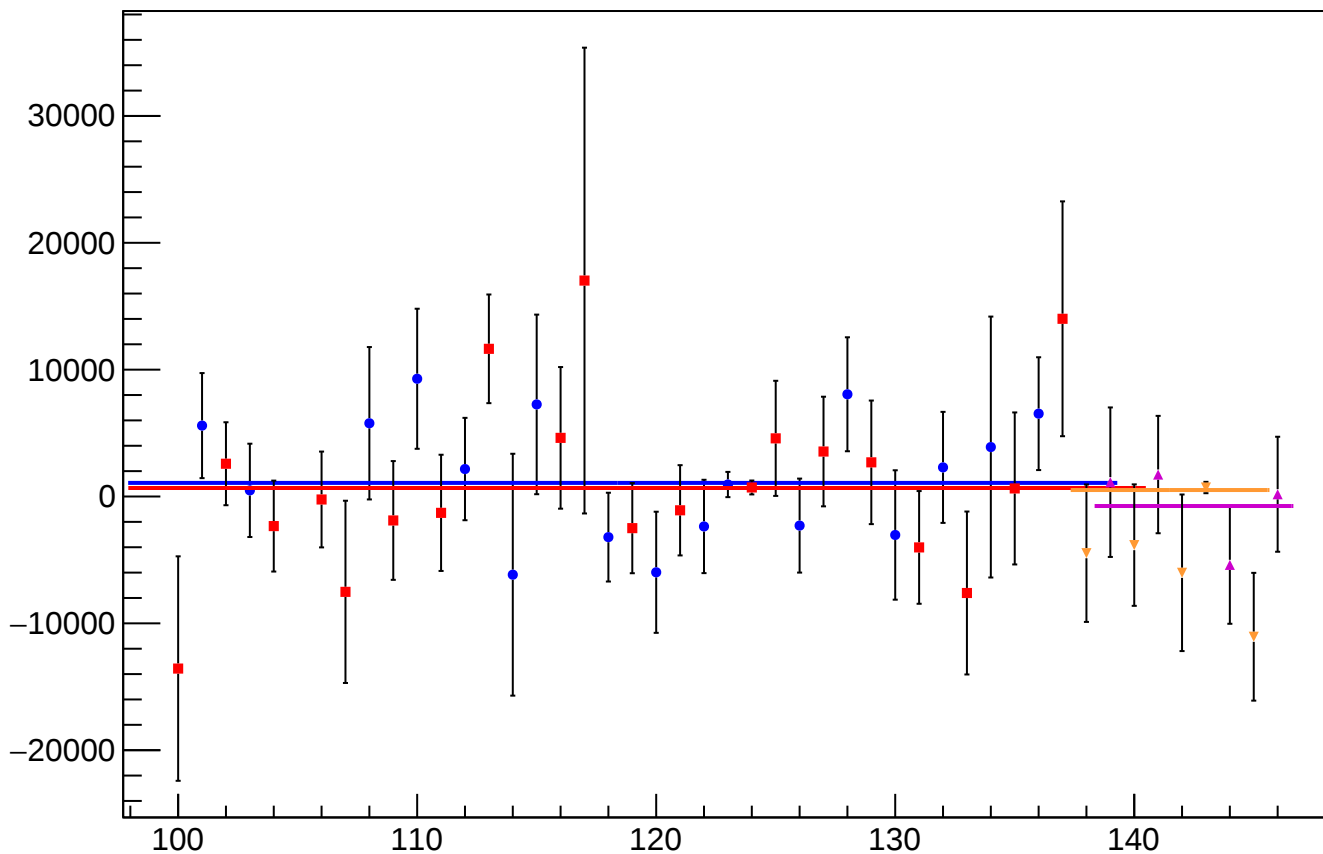
Left In: 2052.150 ± 0.808 χ^2/NDF : 11869.2/3

1885.452 ± 0.434 χ^2/NDF : 1089770.9/21

1859.495 ± 0.299 χ^2/NDF : 1511463.6/45

1836.227 ± 0.411 χ^2/NDF : 414919.8/23

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 510.071+/-441.422 χ^2/NDF : 8.3/4

Right Out: 670.313+/-487.861 χ^2/NDF : 20.6/19

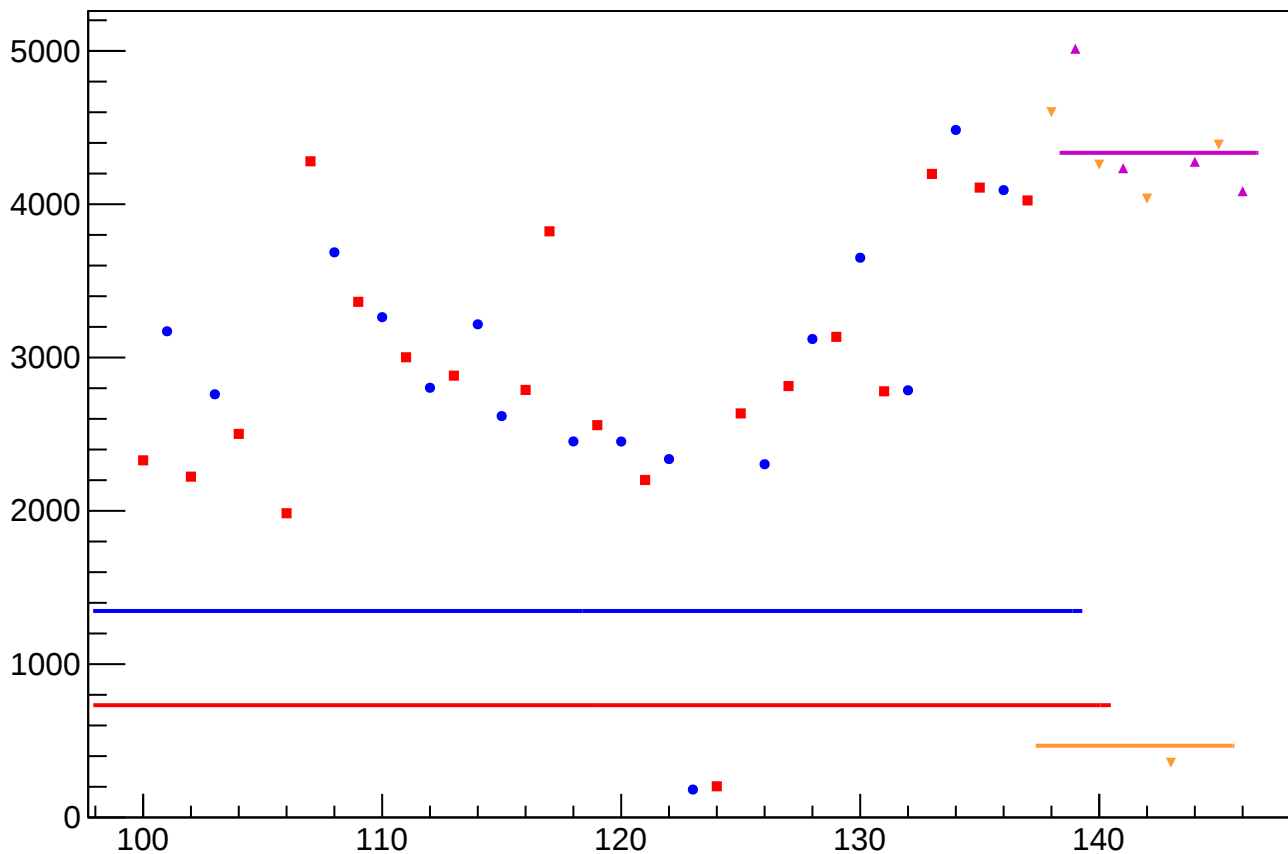
Left In: -749.974+/-2421.559 χ^2/NDF : 1.4/3

654.044+/-380.719 χ^2/NDF : 24.2/21

638.865+/-297.863 χ^2/NDF : 46.6/45

614.914+/-478.252 χ^2/NDF : 22.3/23

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 467.757 $\pm$ 0.312 χ^2 /NDF: 4420561.0/4

Right Out: 732.303 $\pm$ 0.345 χ^2 /NDF: 9559853.6/19

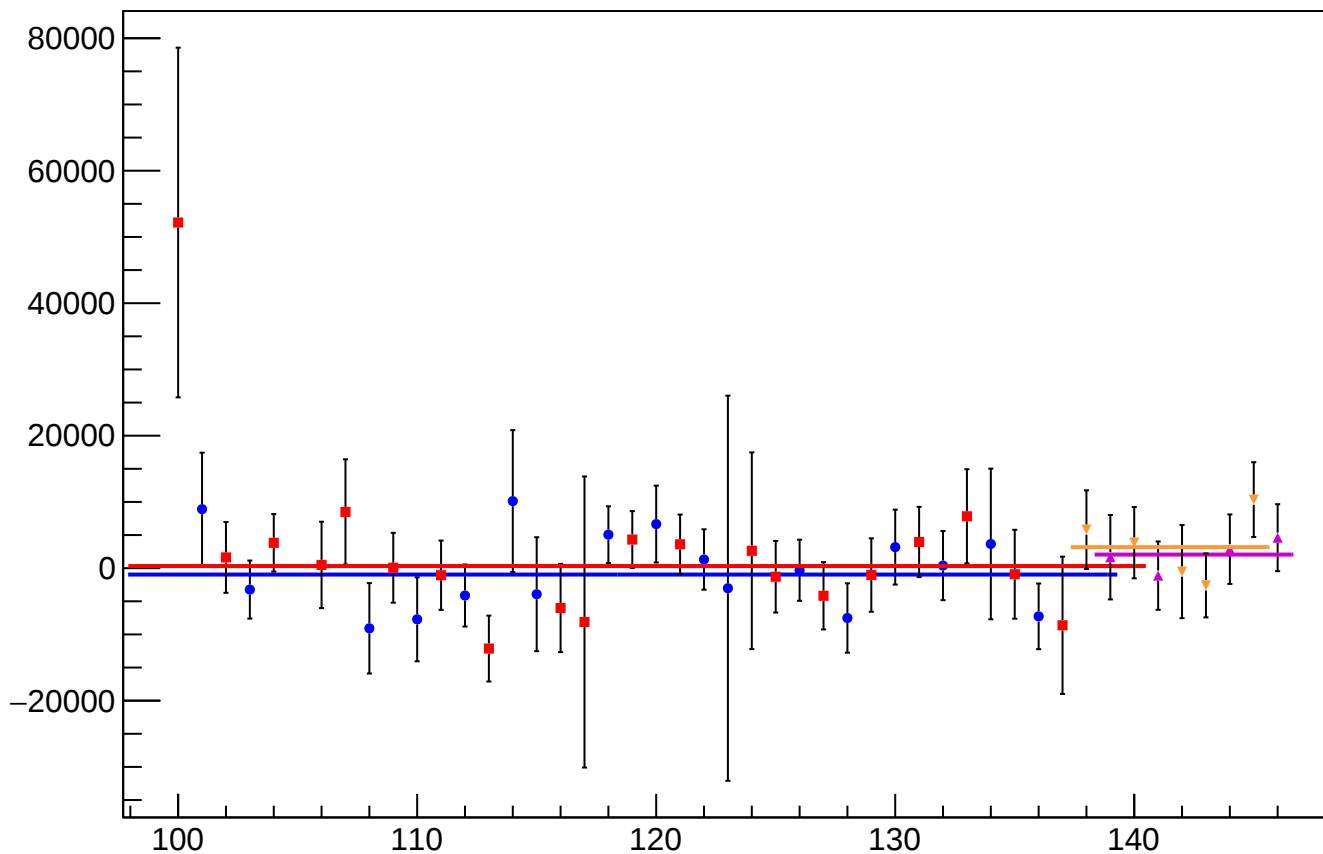
Left In: 4335.358 $\pm$ 1.712 χ^2 /NDF: 33891.4/3

692.910 $\pm$ 0.269 χ^2 /NDF: 13291224.7/21

762.705 $\pm$ 0.211 χ^2 /NDF: 27313283.5/45

872.842 $\pm$ 0.338 χ^2 /NDF: 13848776.2/23

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 3181.119 ± 2520.666 χ^2/NDF : 3.5/4

Right Out: 323.694 ± 1327.331 χ^2/NDF : 17.8/19

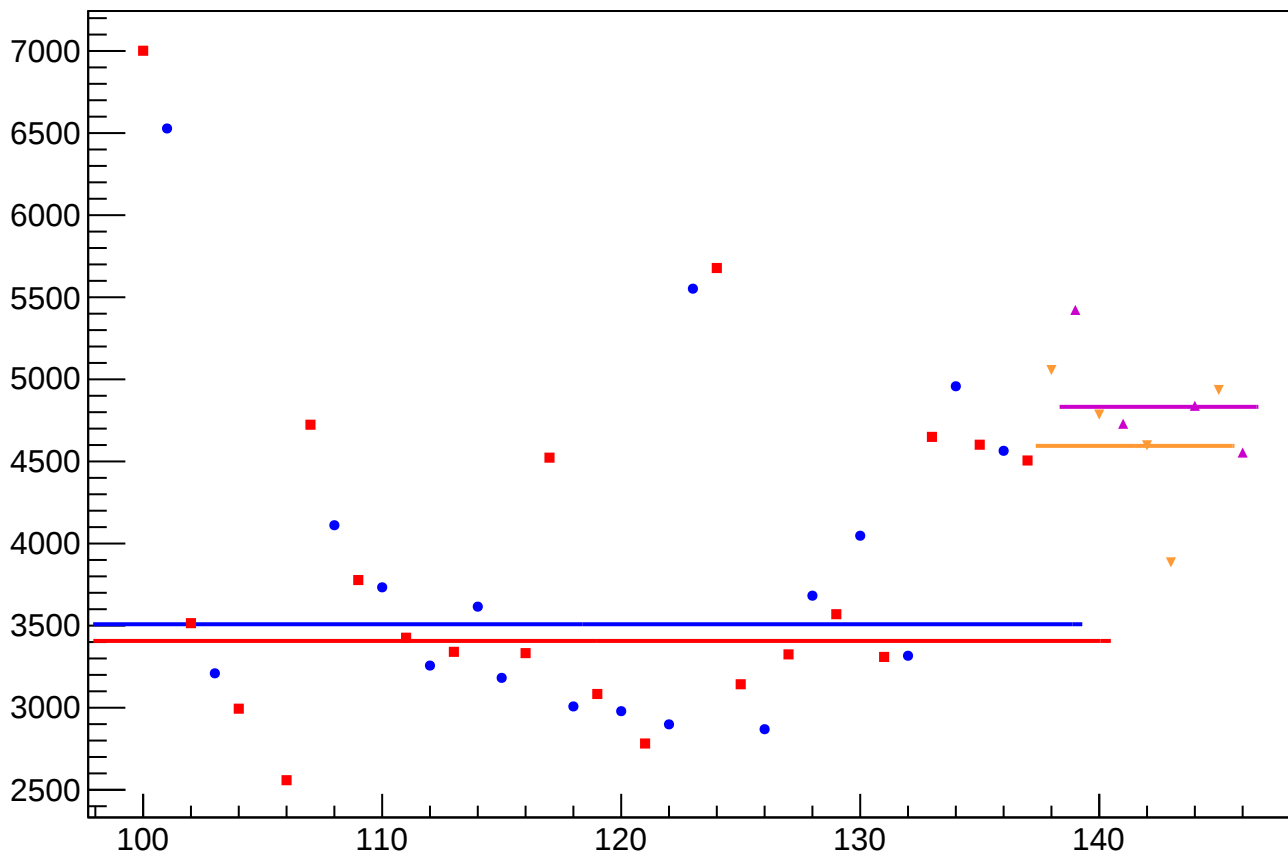
Left In: 2055.506 ± 2695.333 χ^2/NDF : 0.7/3

8.446 ± 1220.971 χ^2/NDF : 19.3/21

343.255 ± 852.480 χ^2/NDF : 38.2/45

661.707 ± 1190.773 χ^2/NDF : 18.8/23

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 $\pm$ 0.987 χ^2/NDF : 562197.7/16

Left Out: 4594.817 $\pm$ 1.782 χ^2/NDF : 65076.3/4

Right Out: 3406.868 $\pm$ 0.926 χ^2/NDF : 433737.9/19

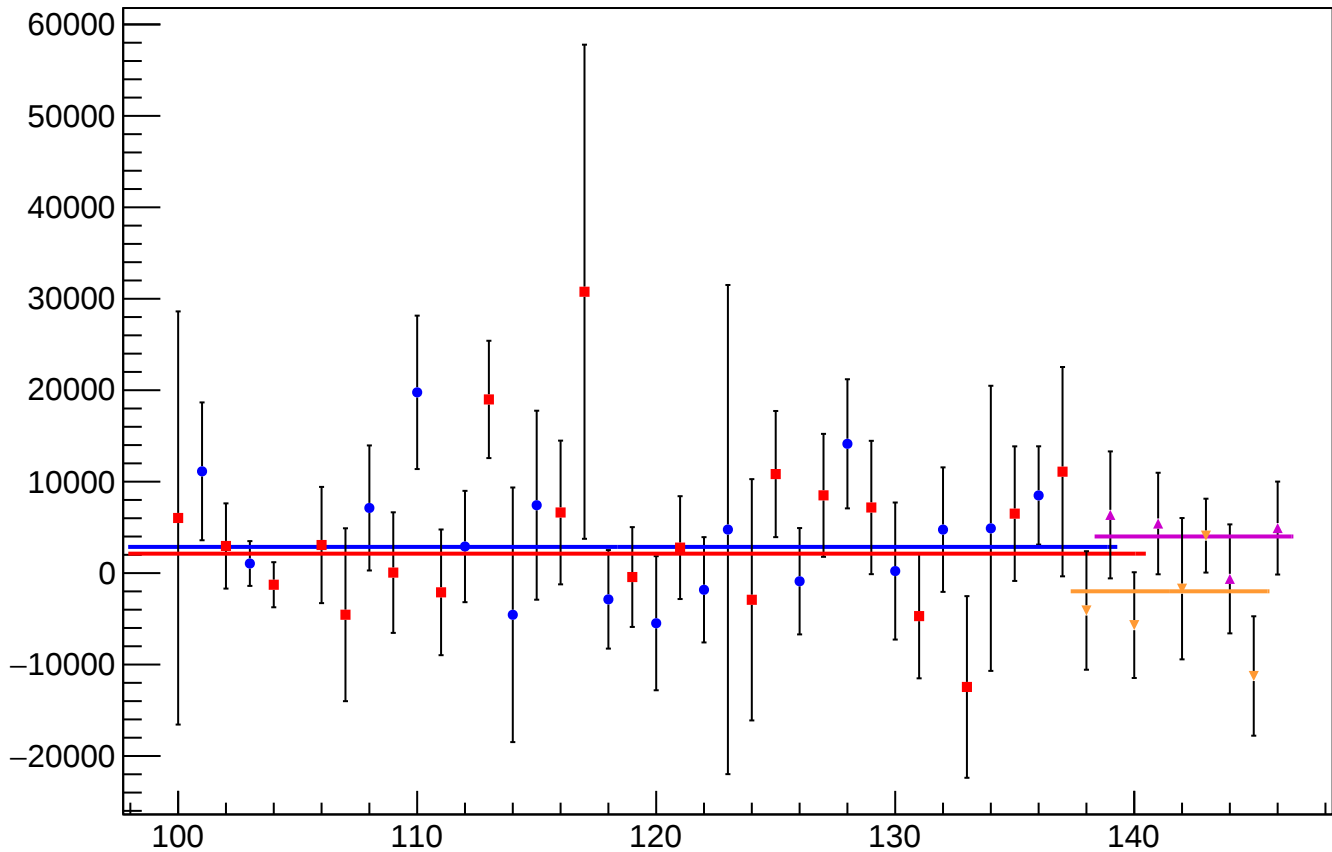
Left In: 4832.612 $\pm$ 1.906 χ^2/NDF : 24020.1/3

3763.365 $\pm$ 0.863 χ^2/NDF : 911589.3/21

3719.879 $\pm$ 0.600 χ^2/NDF : 1826900.8/45

3679.374 $\pm$ 0.833 χ^2/NDF : 910411.4/23

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: -1989.692 $\pm$ 2538.256 χ^2 /NDF: 4.8/4

Right Out: 2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

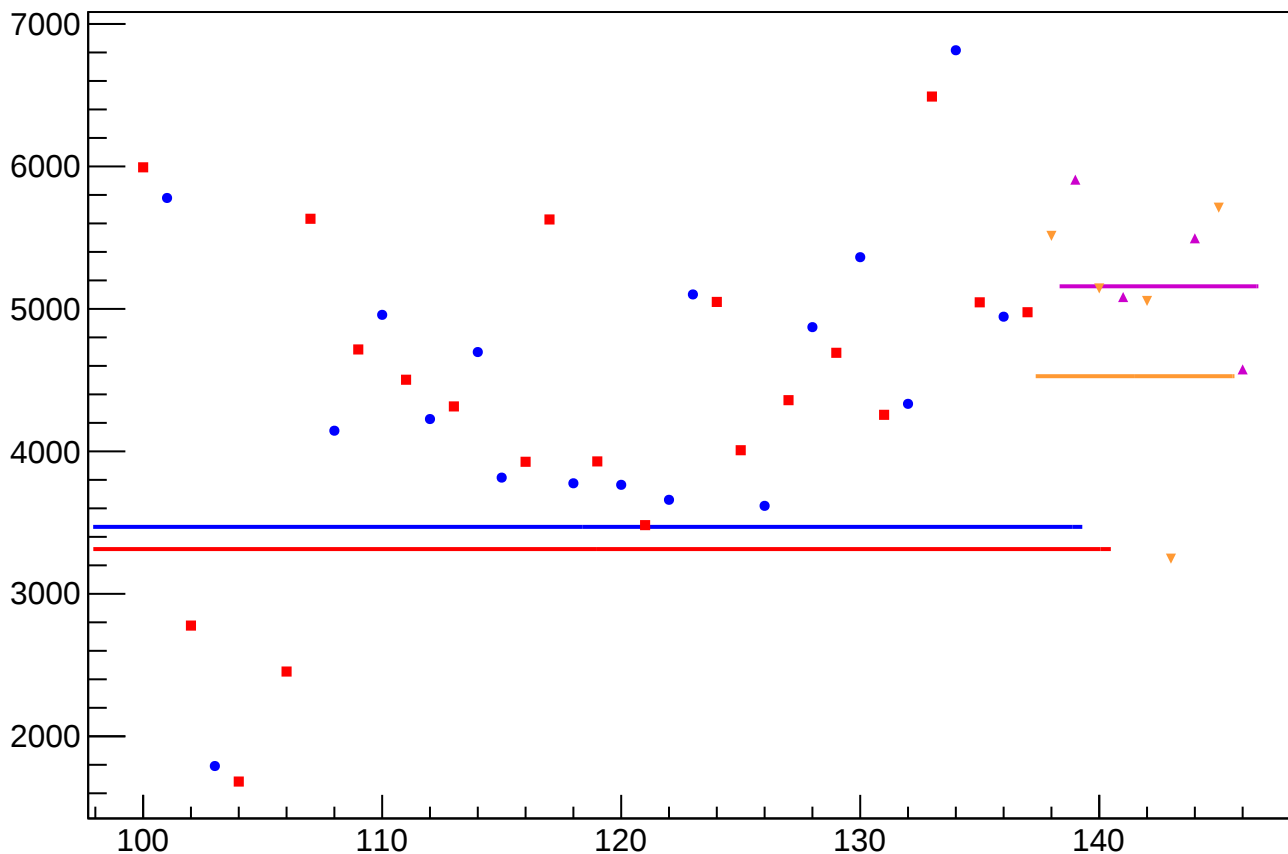
Left In: 4005.373 $\pm$ 2886.006 χ^2 /NDF: 0.8/3

1667.061 $\pm$ 1260.784 χ^2 /NDF: 21.6/21

2076.549 $\pm$ 885.812 χ^2 /NDF: 41.8/45

2475.736 $\pm$ 1244.823 χ^2 /NDF: 20.0/23

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2/NDF : 1760860.6/16

Left Out: 4527.608 $\pm$ 1.795 χ^2/NDF : 344941.4/4

Right Out: 3314.183 $\pm$ 0.967 χ^2/NDF : 1925484.9/19

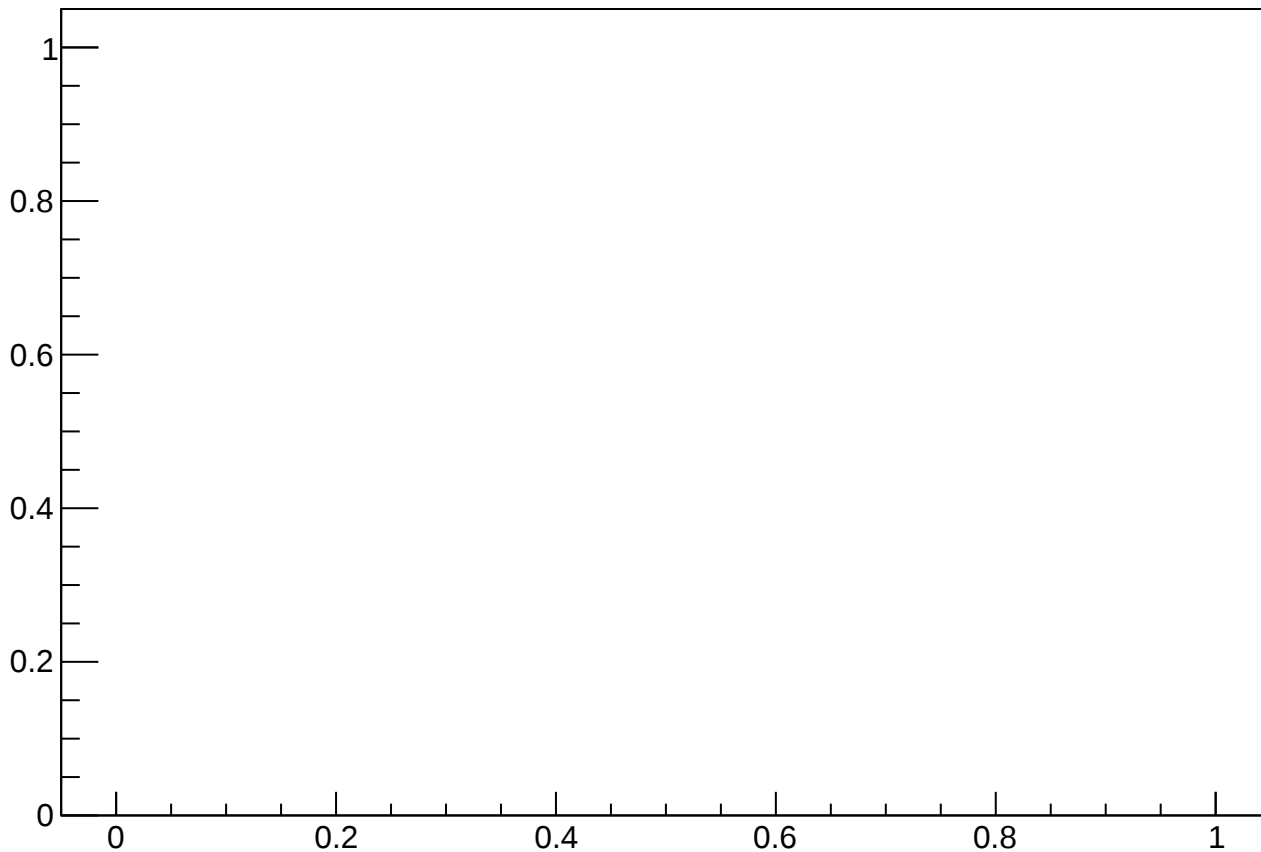
Left In: 5158.628 $\pm$ 2.041 χ^2/NDF : 56349.8/3

3730.959 $\pm$ 0.891 χ^2/NDF : 2367339.0/21

3690.810 $\pm$ 0.624 χ^2/NDF : 5020317.9/45

3652.251 $\pm$ 0.874 χ^2/NDF : 2649002.8/23

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

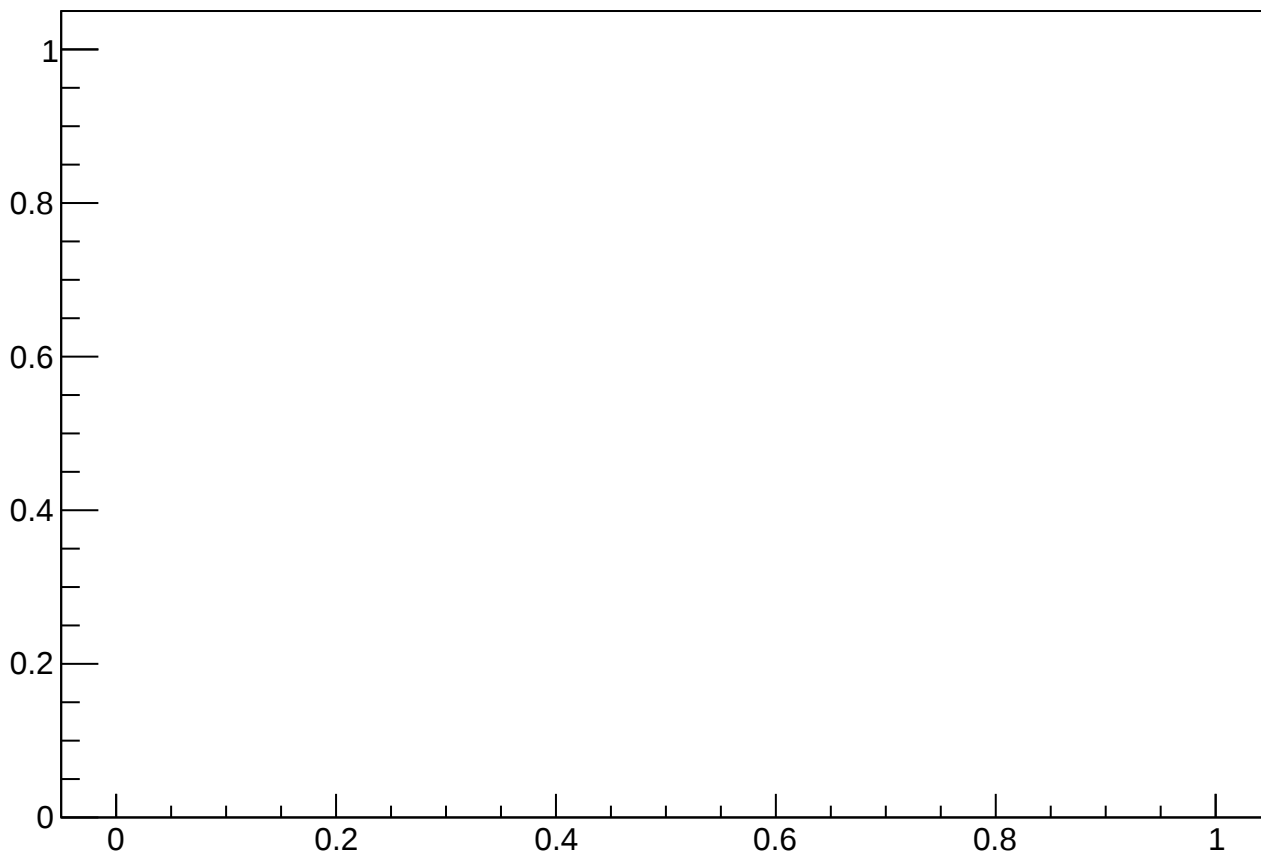
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

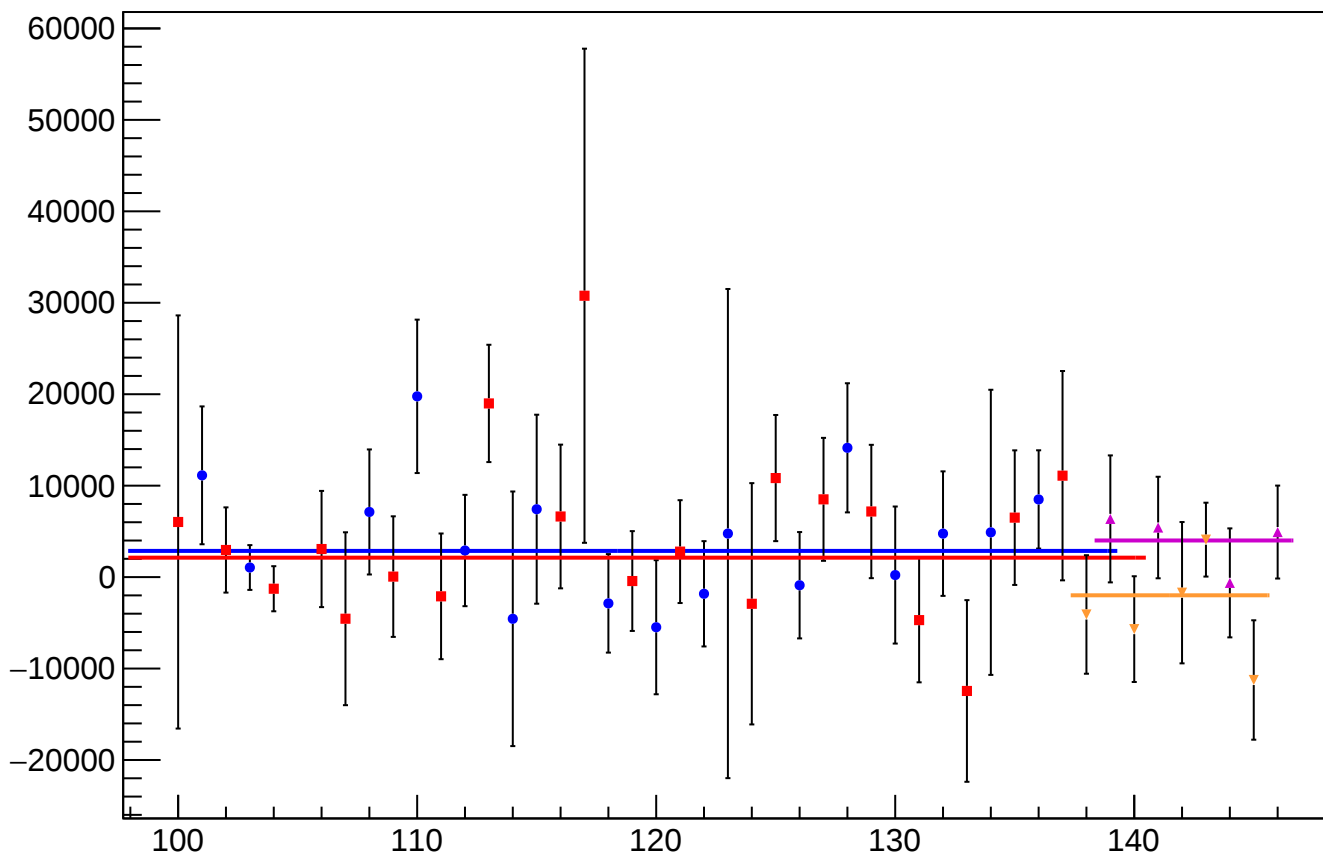
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: -1989.692 $\pm$ 2538.256 χ^2 /NDF: 4.8/4

Right Out: 2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

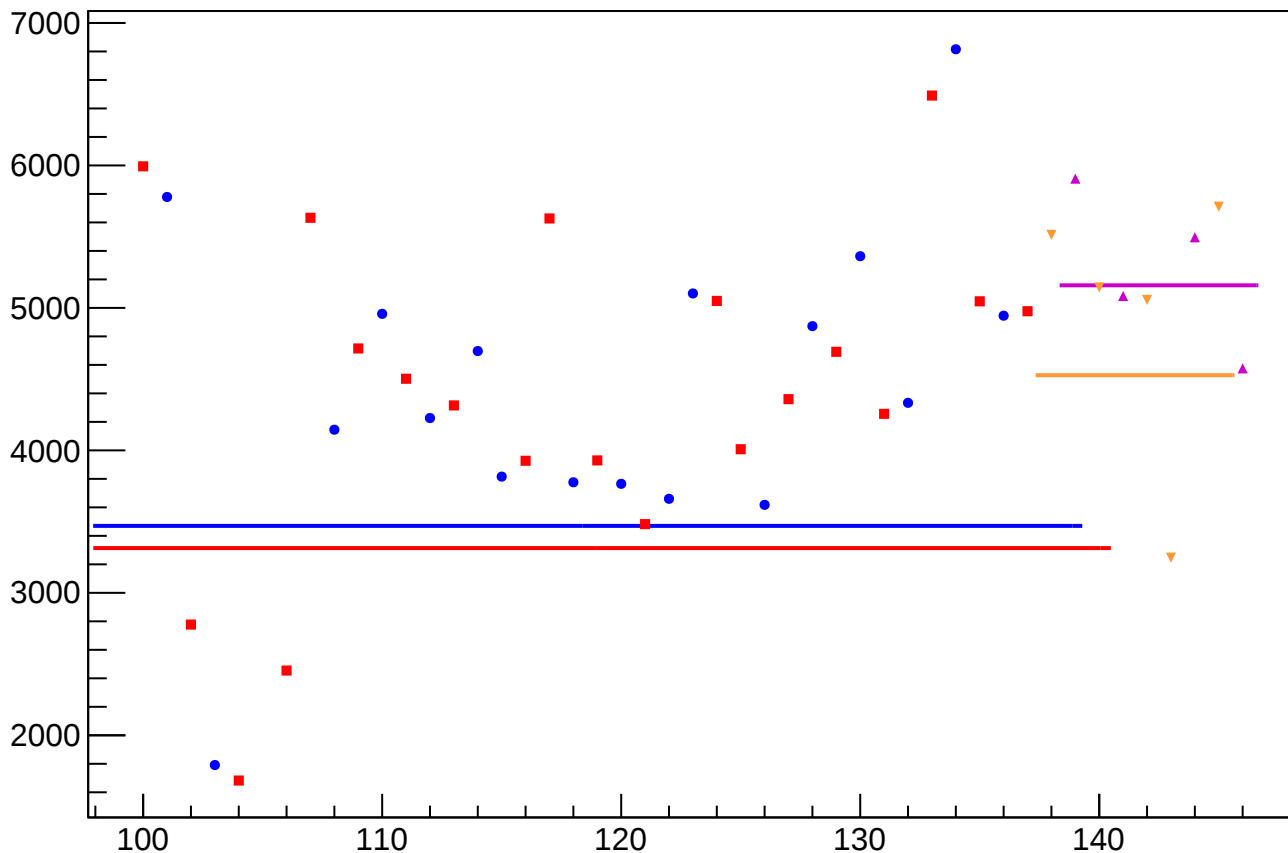
Left In: 4005.373 $\pm$ 2886.006 χ^2 /NDF: 0.8/3

1667.061 $\pm$ 1260.784 χ^2 /NDF: 21.6/21

2076.549 $\pm$ 885.812 χ^2 /NDF: 41.8/45

2475.736 $\pm$ 1244.823 χ^2 /NDF: 20.0/23

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2/NDF : 1760860.6/16

Left Out: 4527.608 $\pm$ 1.795 χ^2/NDF : 344941.4/4

Right Out: 3314.183 $\pm$ 0.967 χ^2/NDF : 1925484.9/19

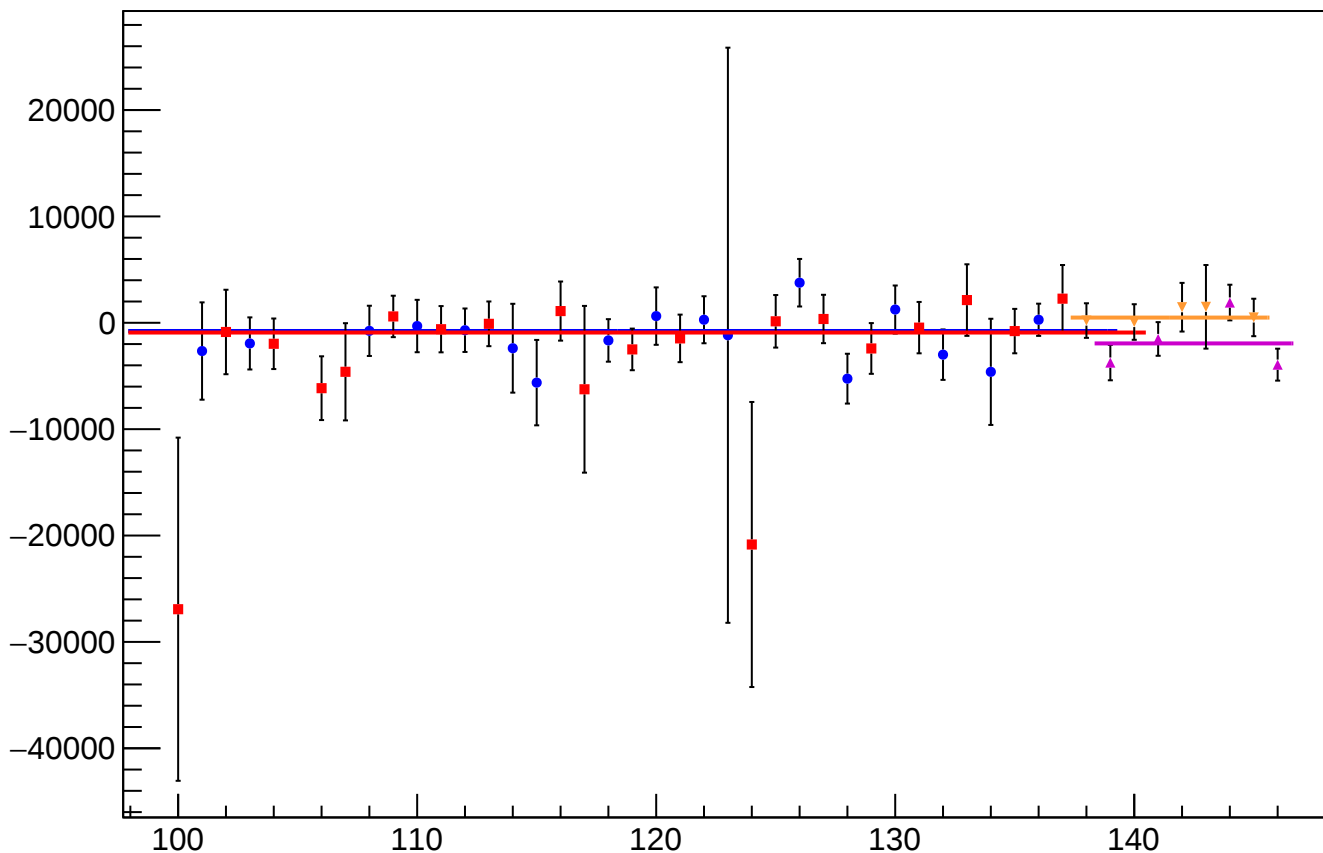
Left In: 5158.628 $\pm$ 2.041 χ^2/NDF : 56349.8/3

3730.959 $\pm$ 0.891 χ^2/NDF : 2367339.0/21

3690.810 $\pm$ 0.624 χ^2/NDF : 5020317.9/45

3652.251 $\pm$ 0.874 χ^2/NDF : 2649002.8/23

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2 /NDF: 13.3/16

Left Out: 490.042+/-872.321 χ^2 /NDF:0.3/4

Right Out: -915.893+/-593.346 χ^2 /NDF: 14.0/19

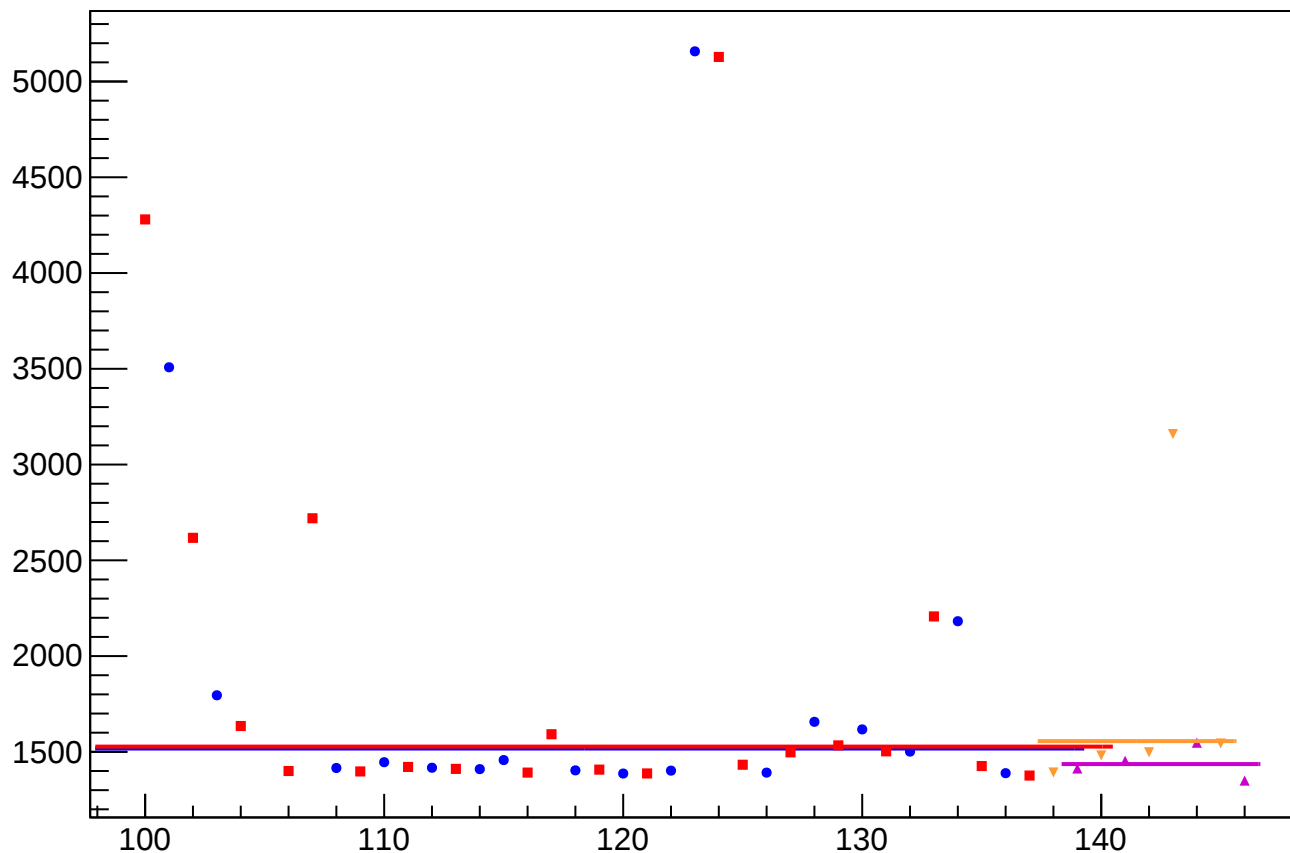
Left In: -1938.537+/-800.492 χ^2 /NDF:8.3/3

-362.732+/-496.409 χ^2 /NDF: 15.0/21

-839.188+/-343.825 χ^2 /NDF: 40.1/45

-1278.518+/-476.676 χ^2 /NDF: 23.3/23

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1555.979+/-0.617 χ^2/NDF : 358372.2/4

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

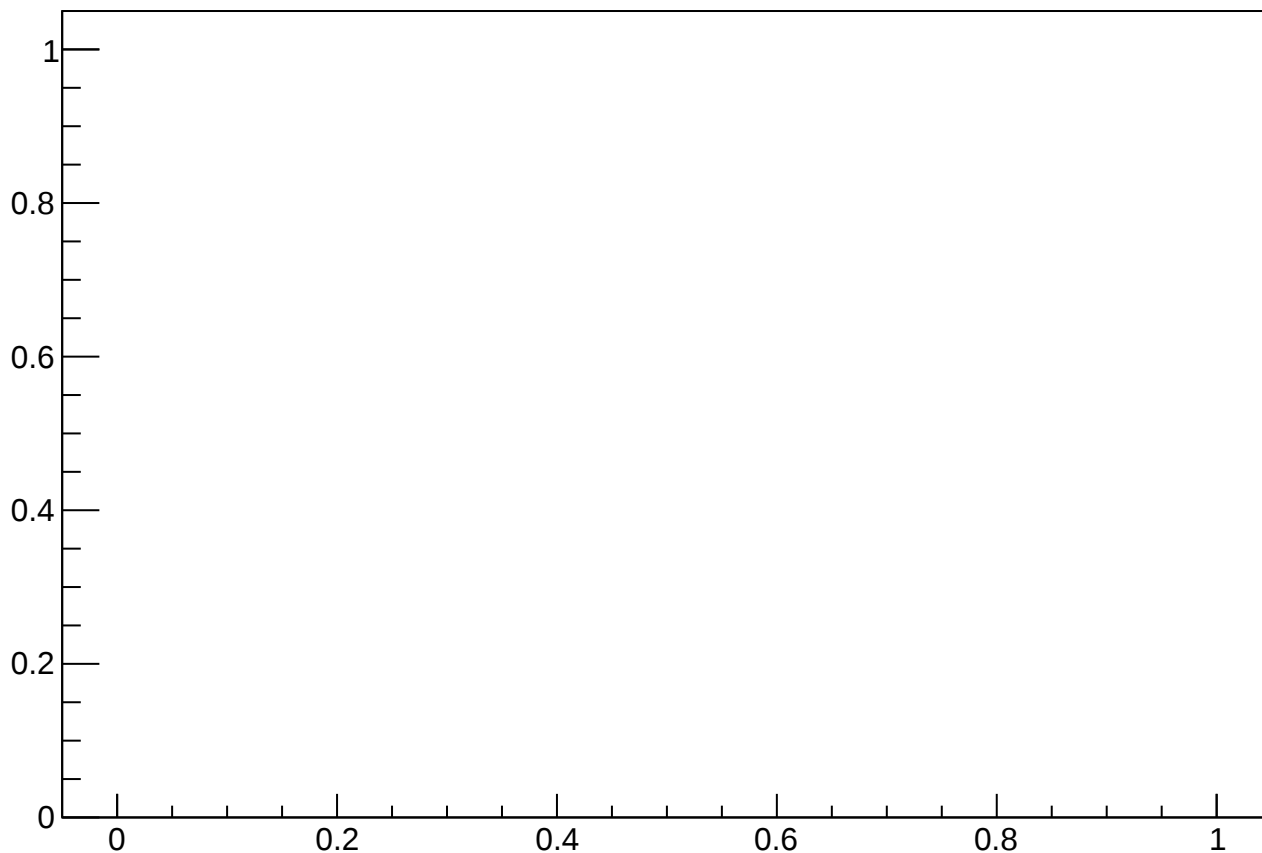
Left In: 1436.206+/-0.566 χ^2/NDF : 16100.5/3

1529.849+/-0.351 χ^2/NDF : 897689.0/21

1511.743+/-0.243 χ^2/NDF : 1567468.6/45

1495.049+/-0.337 χ^2/NDF : 664665.8/23

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

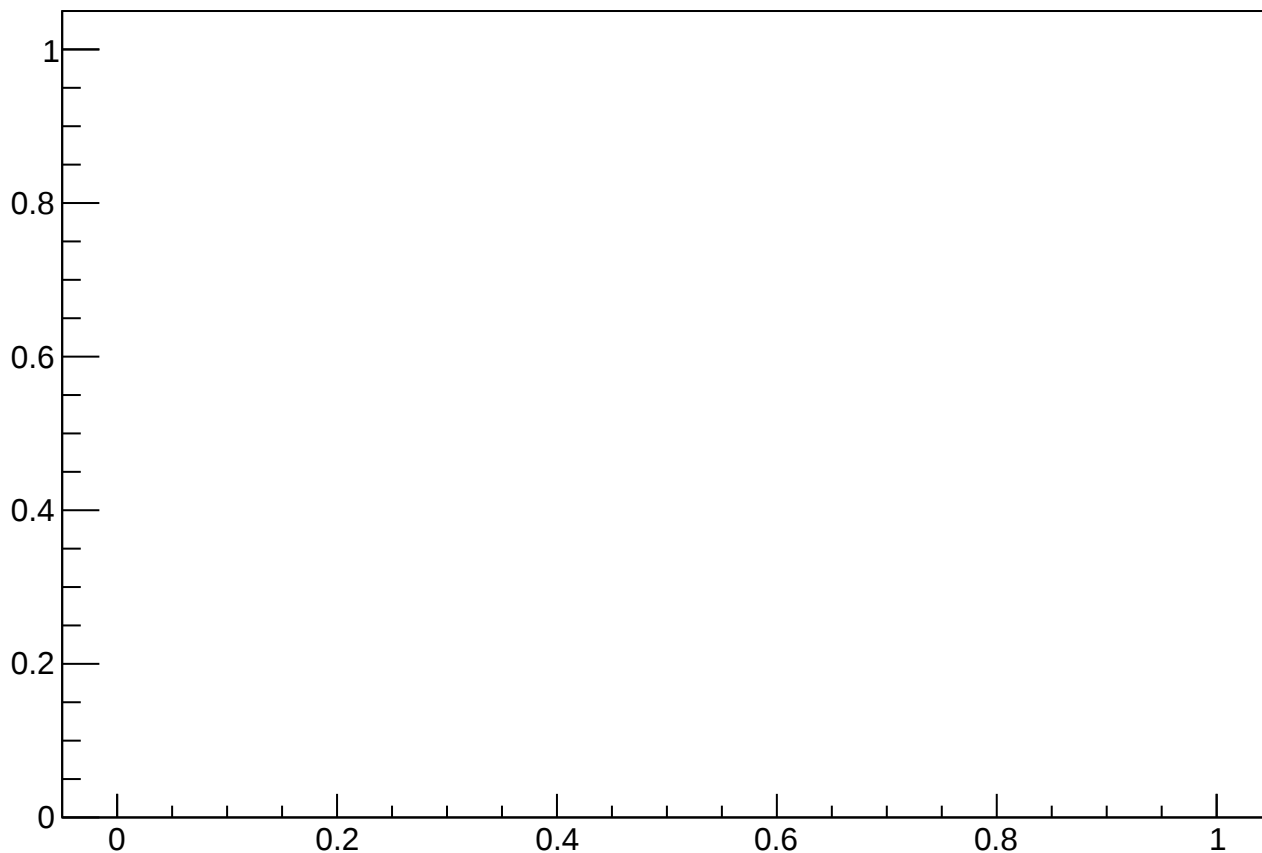
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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

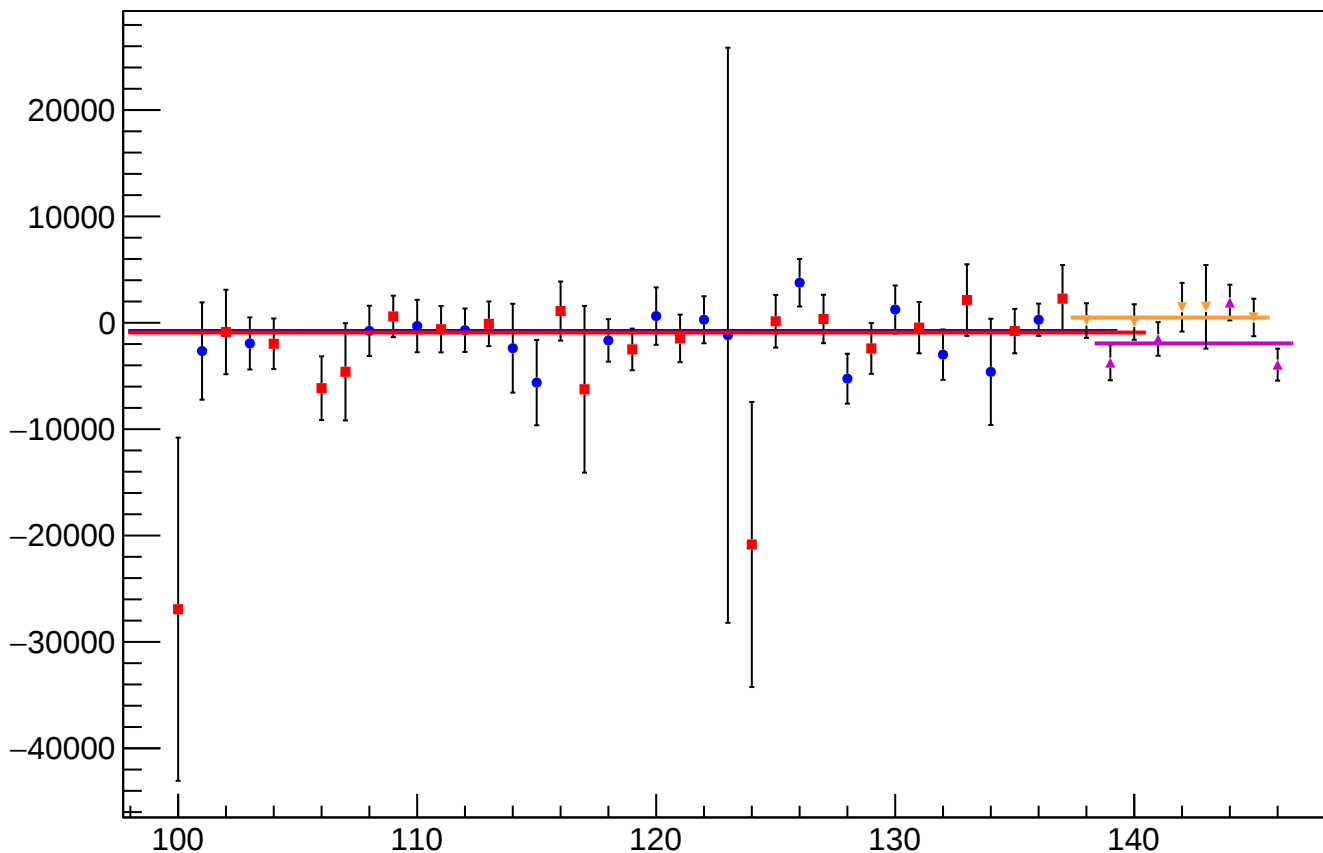
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 490.042+/-872.321 χ^2/NDF : 0.3/4

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

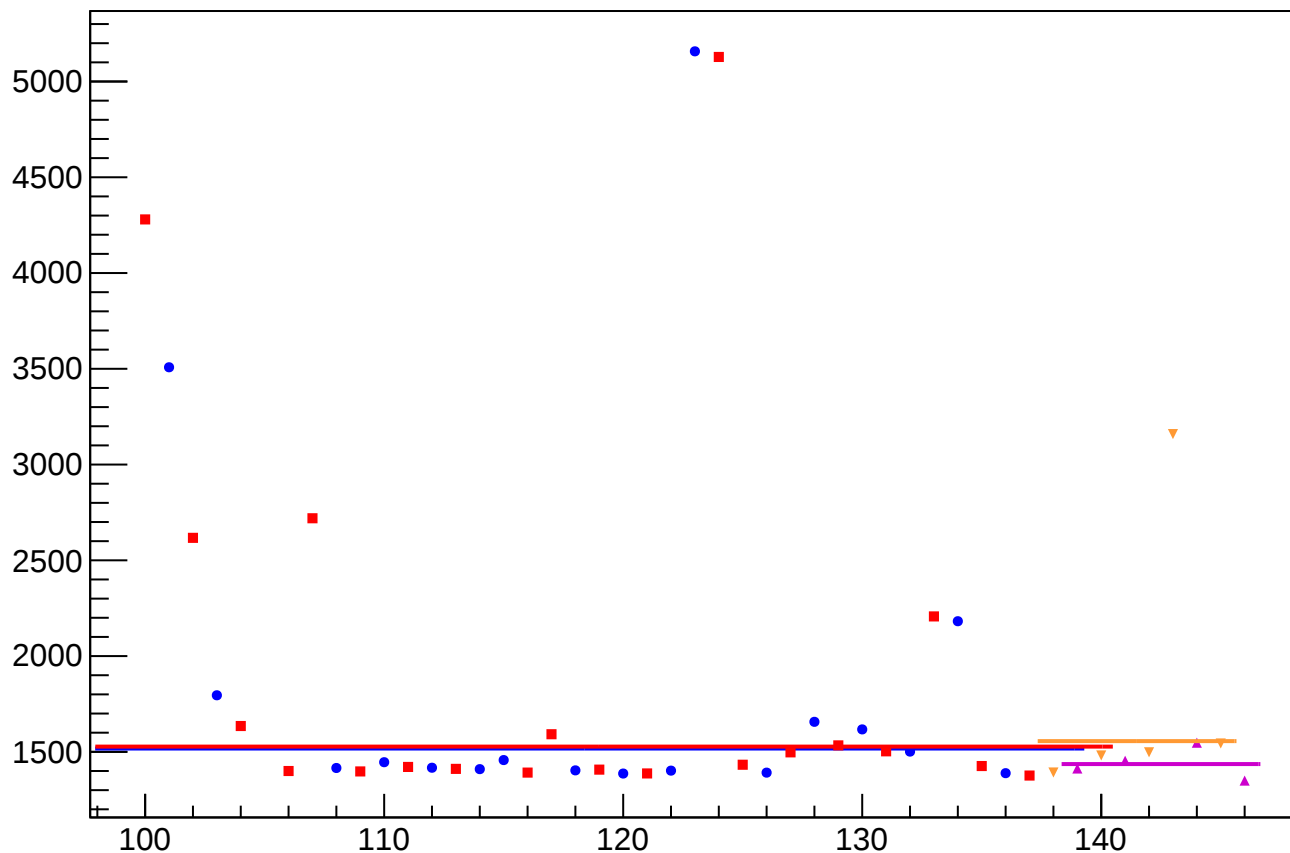
Left In: -1938.537+/-800.492 χ^2/NDF : 8.3/3

-362.732+/-496.409 χ^2/NDF : 15.0/21

-839.188+/-343.825 χ^2/NDF : 40.1/45

-1278.518+/-476.676 χ^2/NDF : 23.3/23

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1555.979+/-0.617 χ^2/NDF : 358372.2/4

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

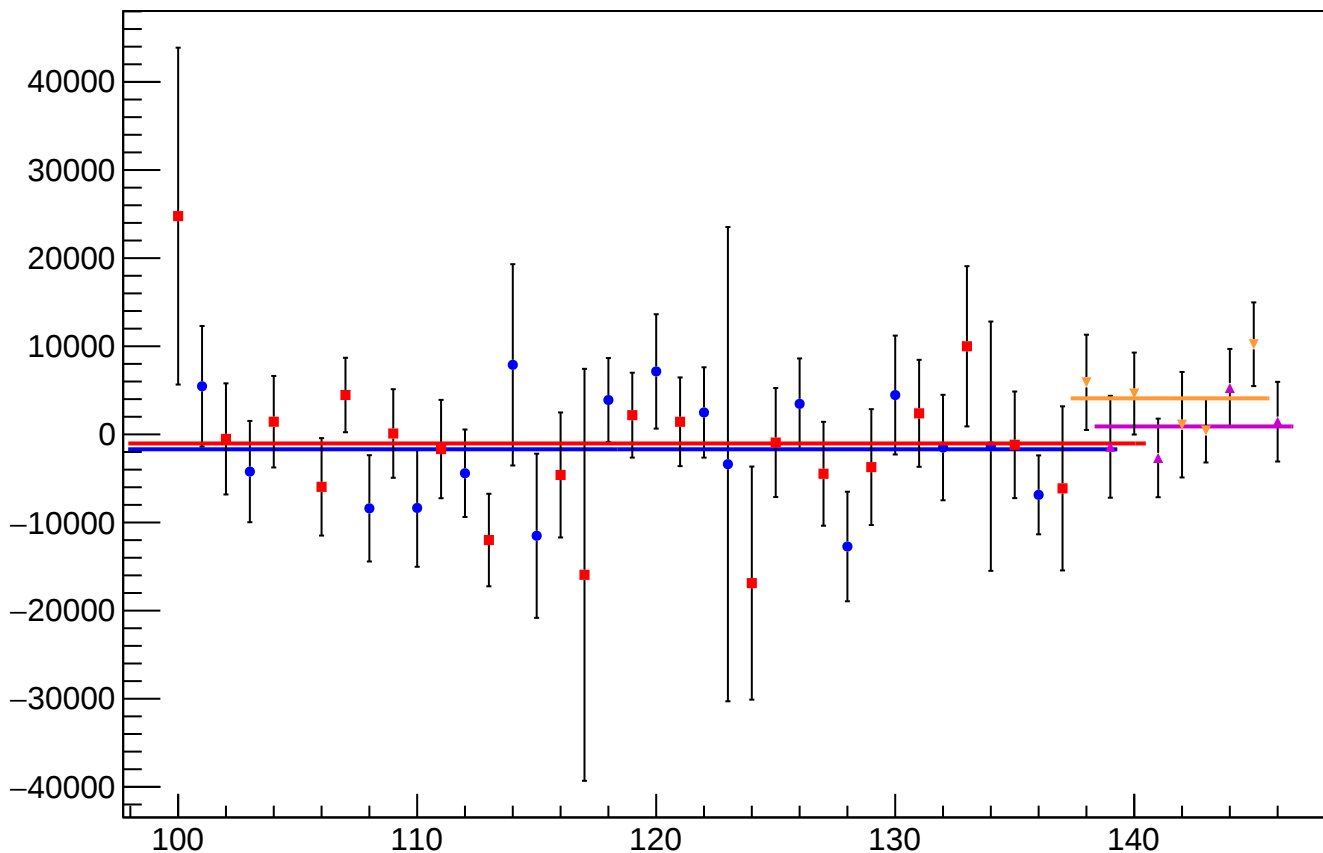
Left In: 1436.206+/-0.566 χ^2/NDF : 16100.5/3

1529.849+/-0.351 χ^2/NDF : 897689.0/21

1511.743+/-0.243 χ^2/NDF : 1567468.6/45

1495.049+/-0.337 χ^2/NDF : 664665.8/23

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 4088.146+/-2091.620 χ^2/NDF : 3.1/4

Right Out: -1029.768+/-1376.481 χ^2/NDF : 14.3/19

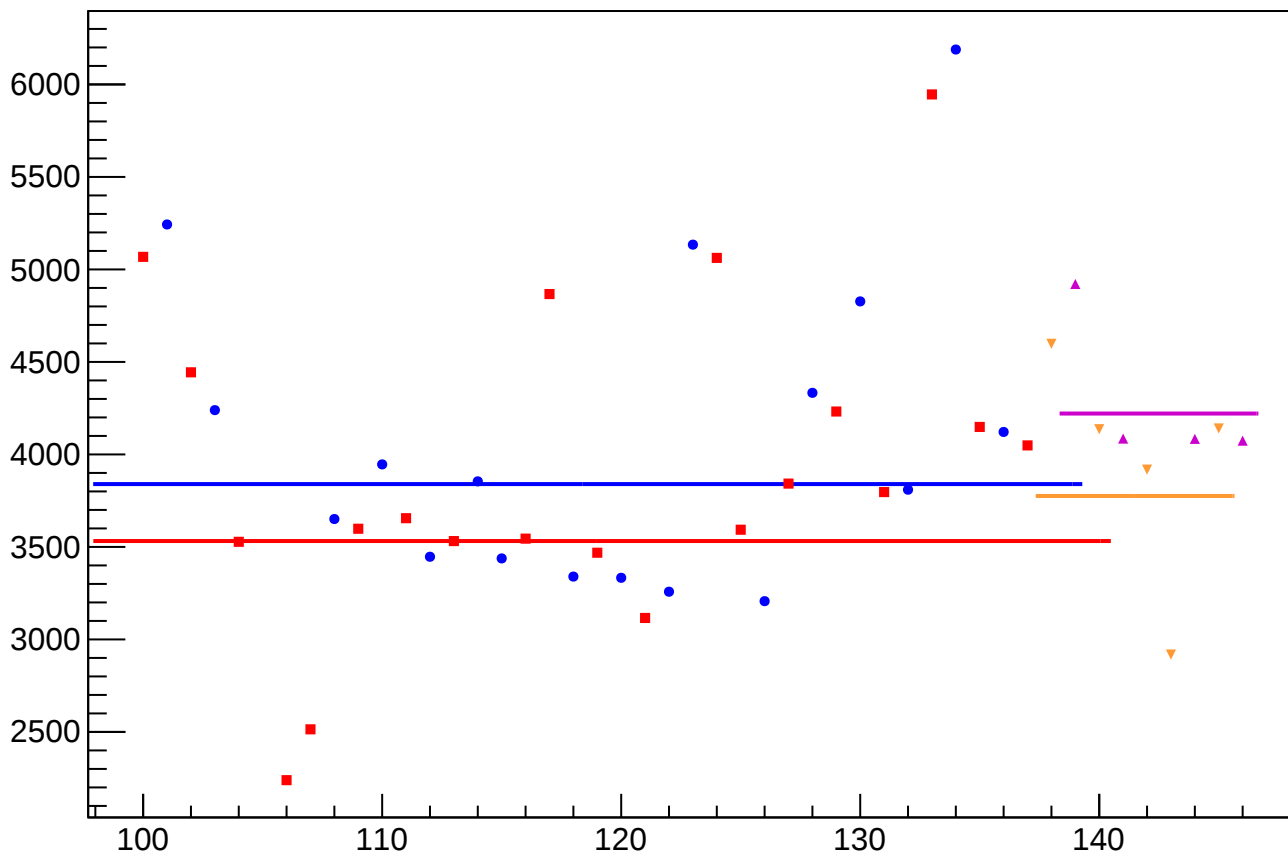
Left In: 901.089+/-2356.515 χ^2/NDF : 1.8/3

293.033+/-1225.859 χ^2/NDF : 23.9/21

-135.608+/-853.324 χ^2/NDF : 40.8/45

-538.568+/-1188.570 χ^2/NDF : 16.6/23

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3775.467+/-1.479 χ^2/NDF : 182768.7/4

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

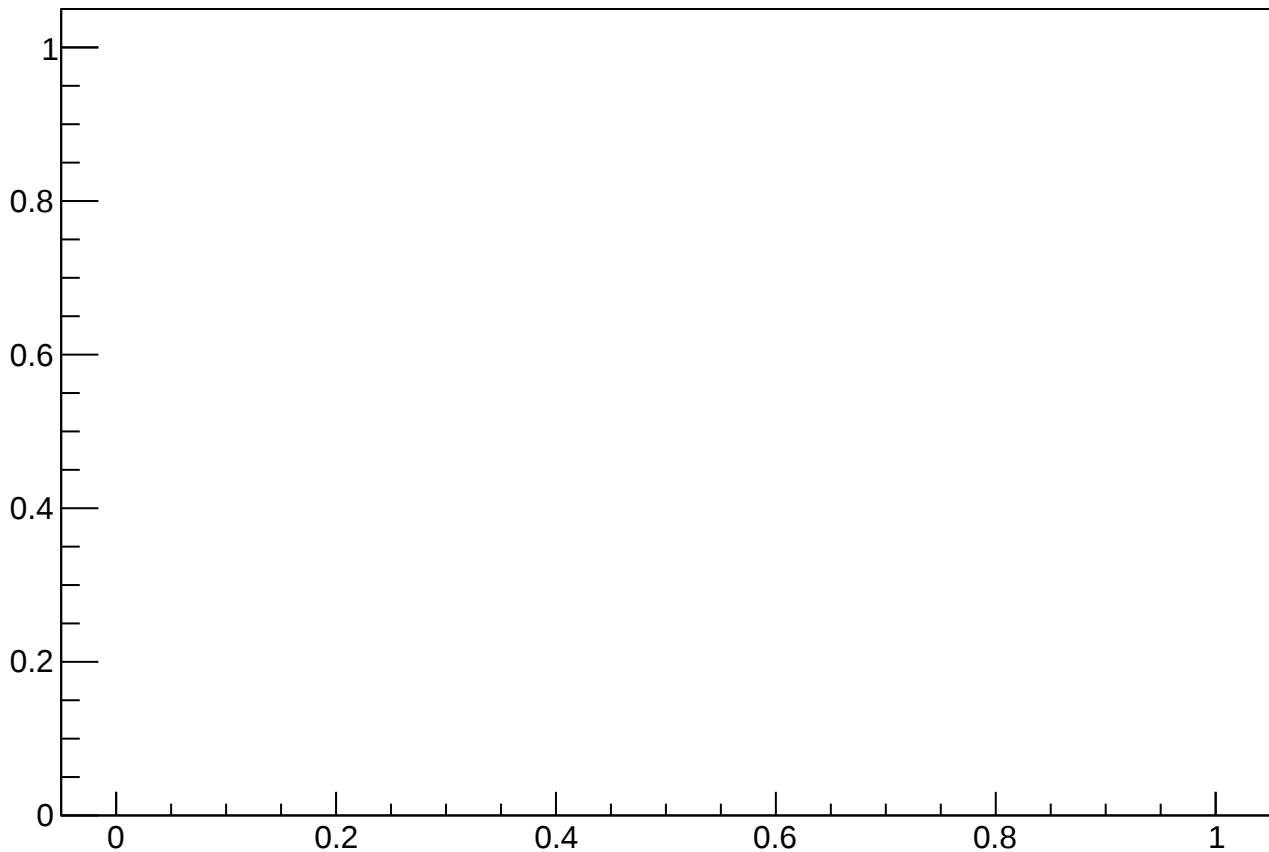
Left In: 4221.067+/-1.666 χ^2/NDF : 35209.4/3

3817.671+/-0.867 χ^2/NDF : 509968.1/21

3759.130+/-0.601 χ^2/NDF : 1243435.6/45

3704.838+/-0.835 χ^2/NDF : 724676.1/23

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

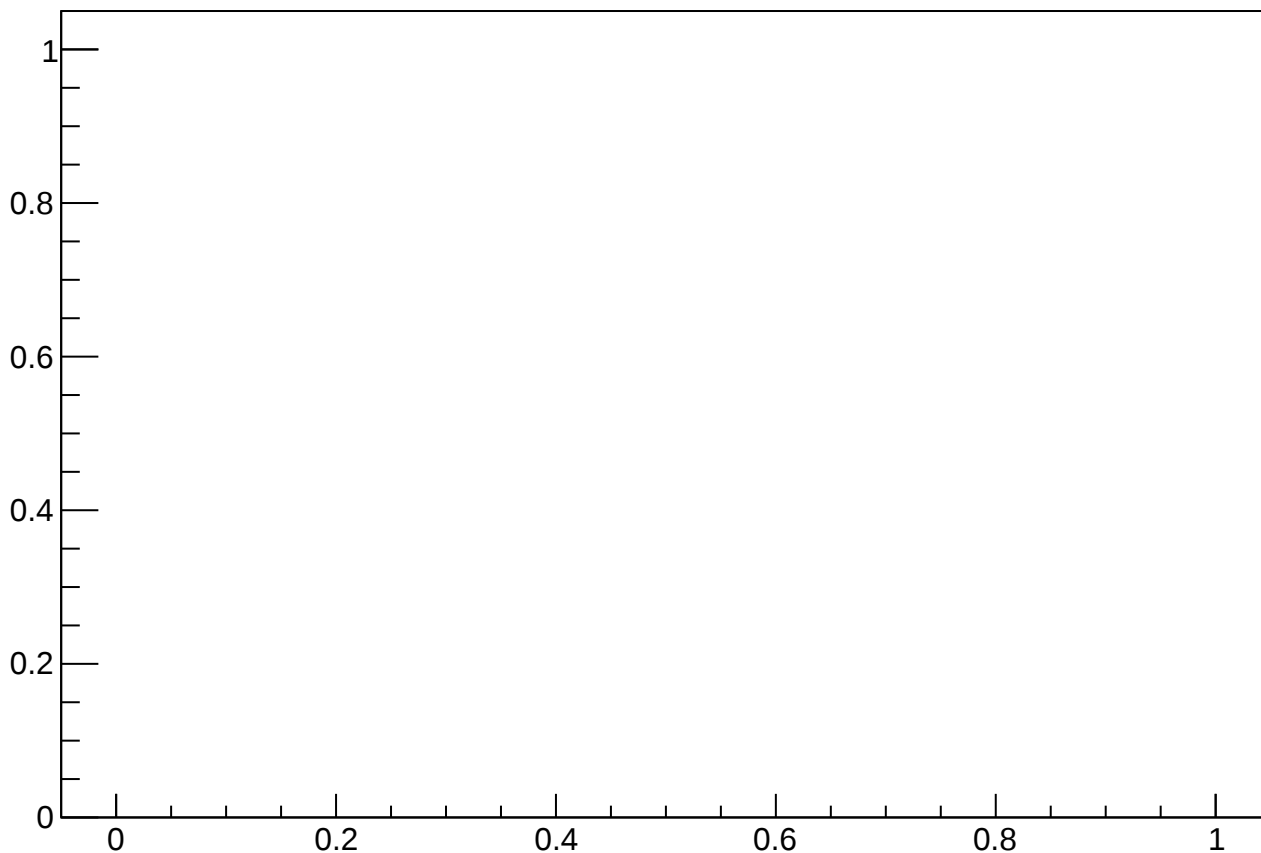
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

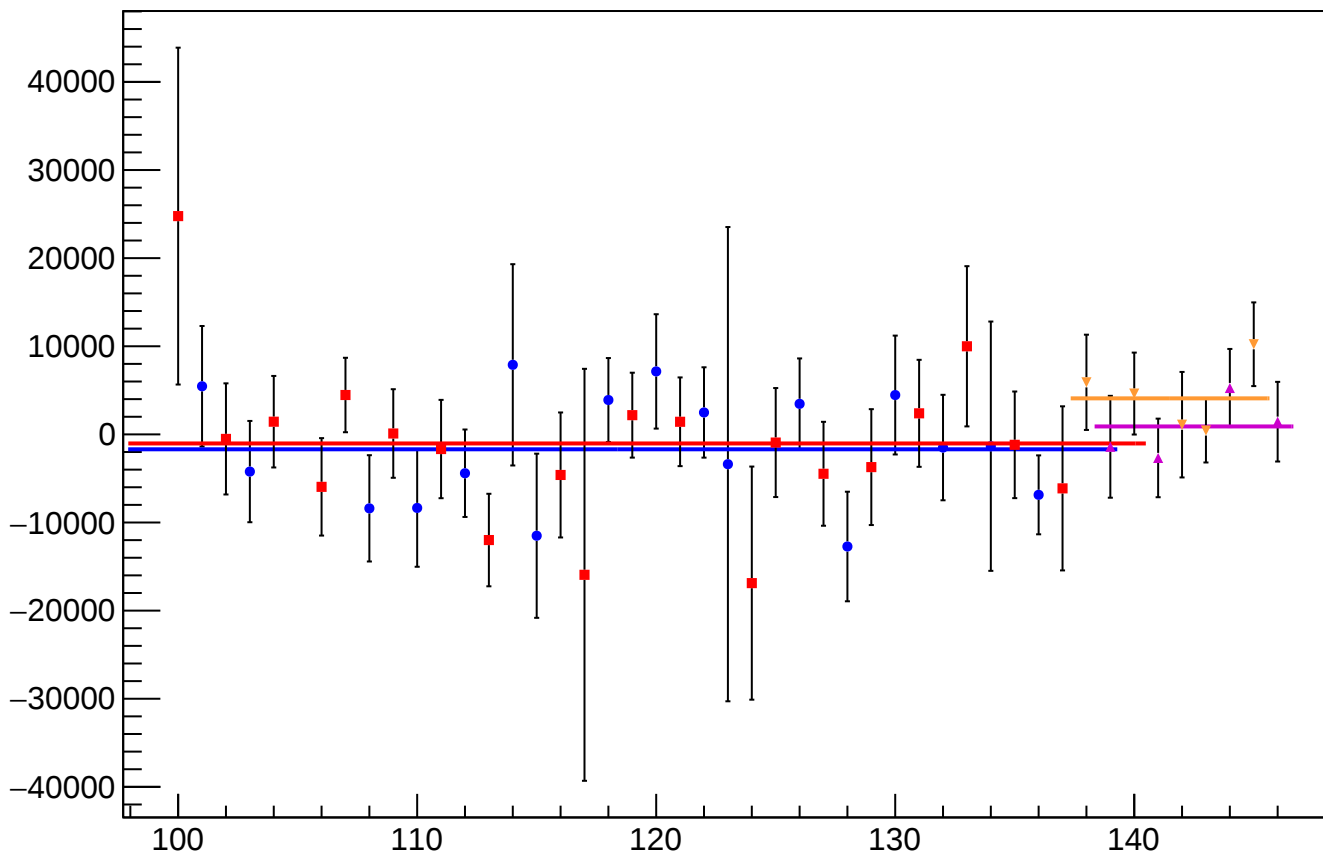
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 4088.146+/-2091.620 χ^2/NDF : 3.1/4

Right Out: -1029.768+/-1376.481 χ^2/NDF : 14.3/19

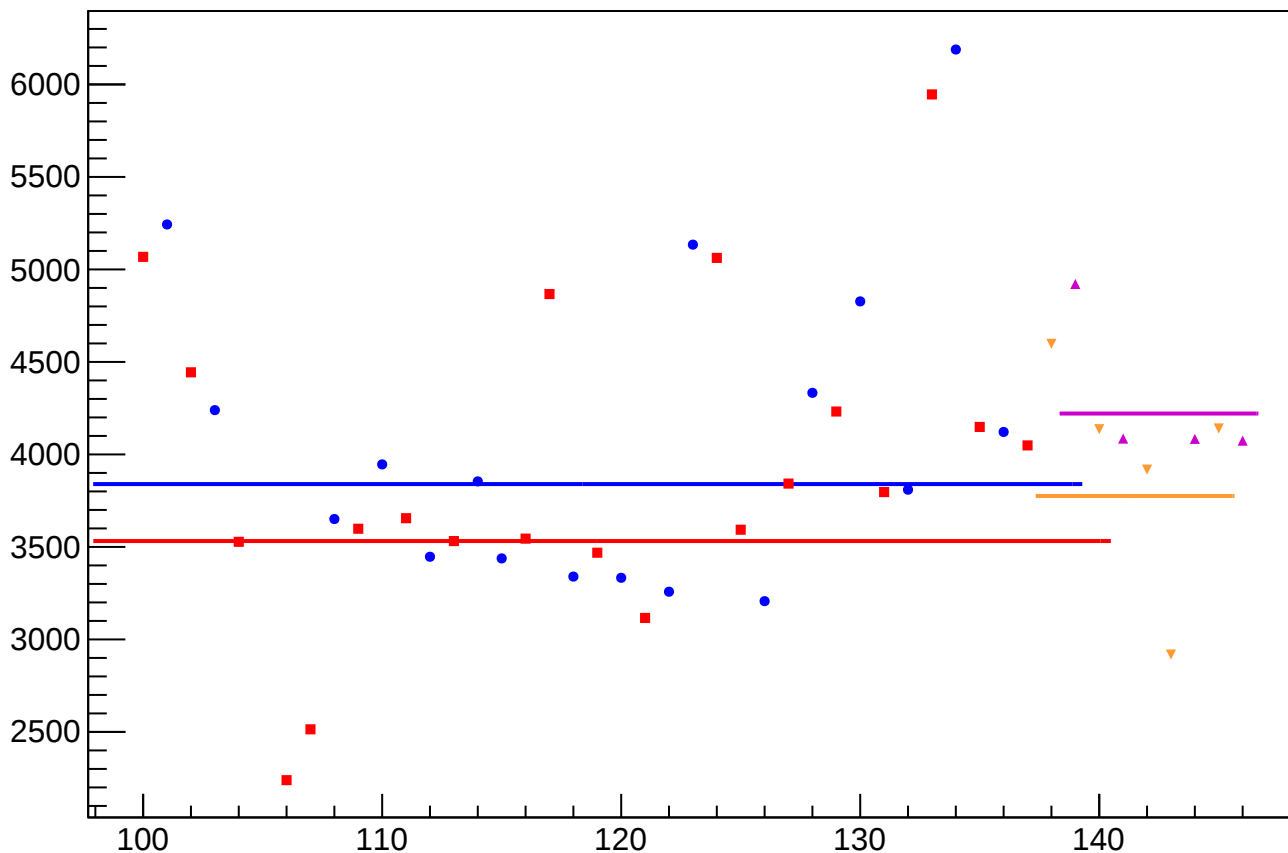
Left In: 901.089+/-2356.515 χ^2/NDF : 1.8/3

293.033+/-1225.859 χ^2/NDF : 23.9/21

-135.608+/-853.324 χ^2/NDF : 40.8/45

-538.568+/-1188.570 χ^2/NDF : 16.6/23

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3775.467+/-1.479 χ^2/NDF : 182768.7/4

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

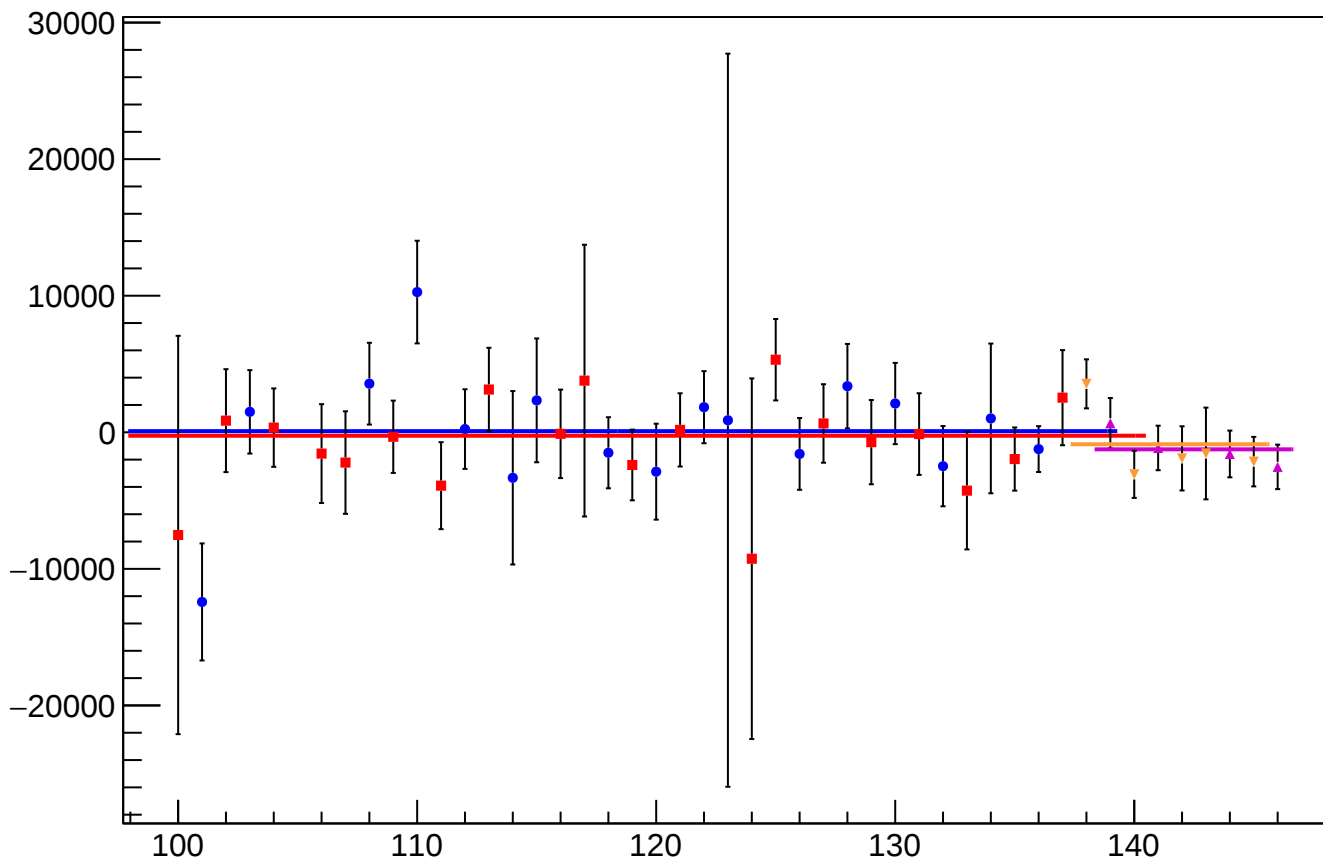
Left In: 4221.067+/-1.666 χ^2/NDF : 35209.4/3

3817.671+/-0.867 χ^2/NDF : 509968.1/21

3759.130+/-0.601 χ^2/NDF : 1243435.6/45

3704.838+/-0.835 χ^2/NDF : 724676.1/23

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -875.559+/-905.373 χ^2/NDF : 8.4/4

Right Out: -250.743+/-732.124 χ^2/NDF : 10.3/19

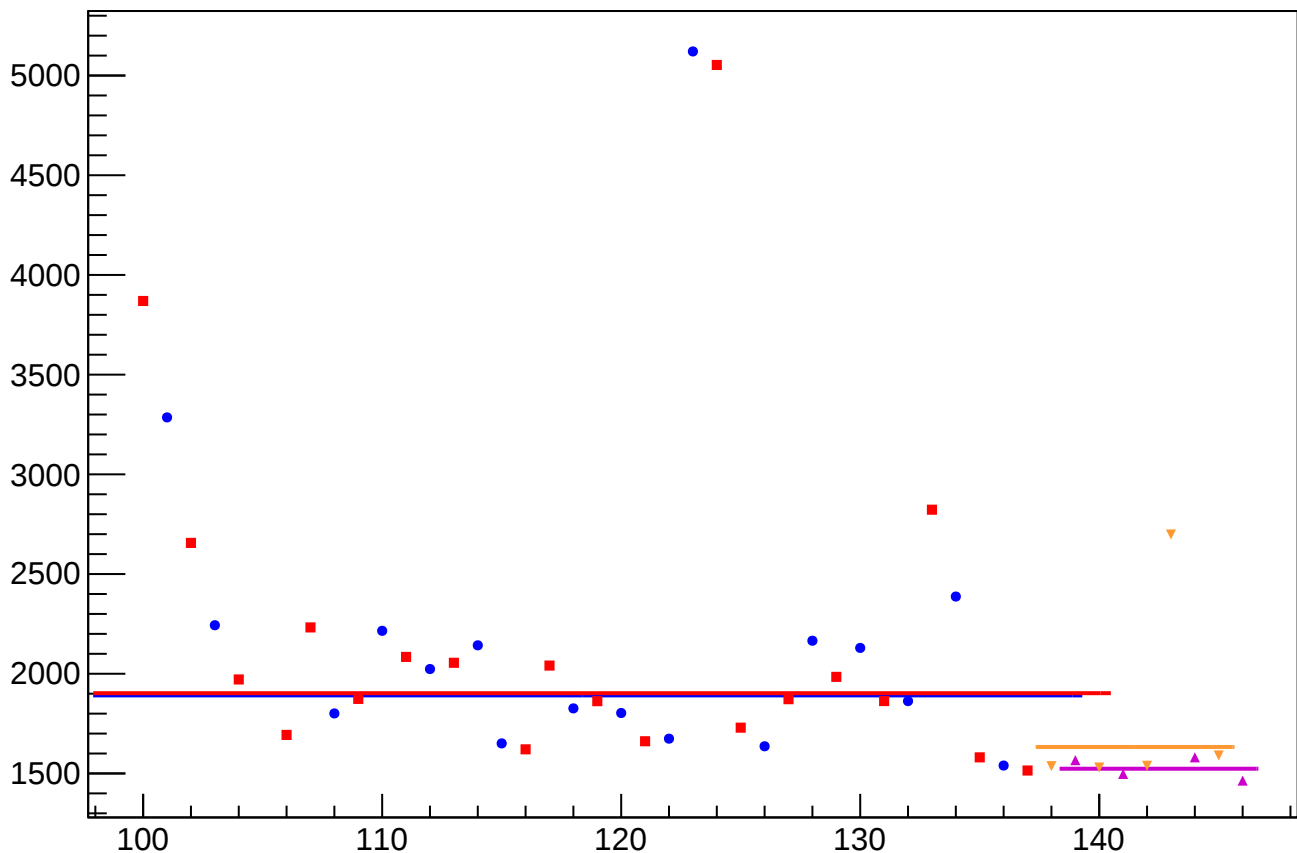
Left In: -1248.357+/-848.352 χ^2/NDF : 1.7/3

-306.924+/-577.819 χ^2/NDF : 32.0/21

-499.440+/-399.992 χ^2/NDF : 45.1/45

-676.580+/-554.264 χ^2/NDF : 12.9/23

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1632.776 $\pm$ 0.640 χ^2 /NDF: 218544.3/4

Right Out: 1902.551 $\pm$ 0.518 χ^2 /NDF: 461077.0/19

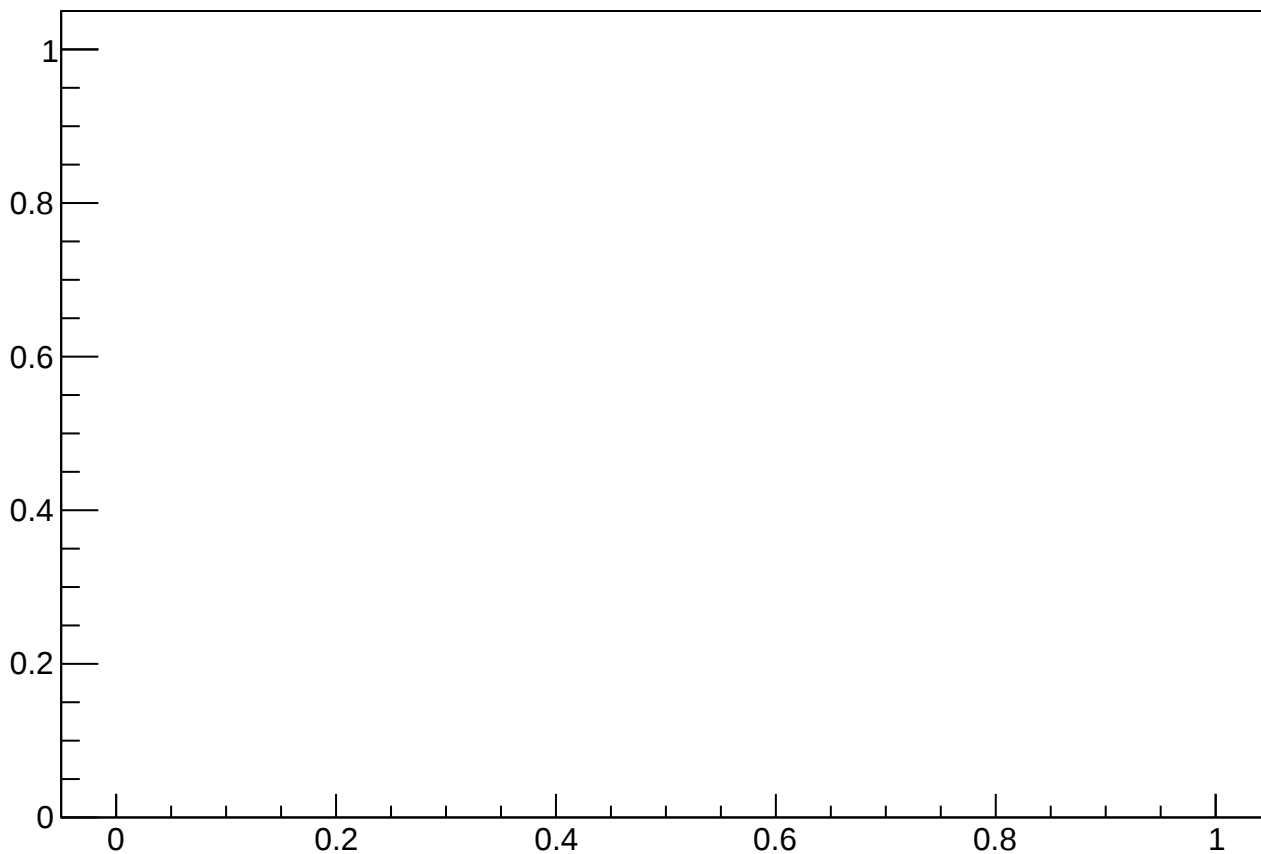
Left In: 1523.693 $\pm$ 0.600 χ^2 /NDF: 6487.3/3

1786.115 $\pm$ 0.409 χ^2 /NDF: 779835.8/21

1762.534 $\pm$ 0.283 χ^2 /NDF: 1482408.8/45

1740.836 $\pm$ 0.392 χ^2 /NDF: 696177.1/23

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

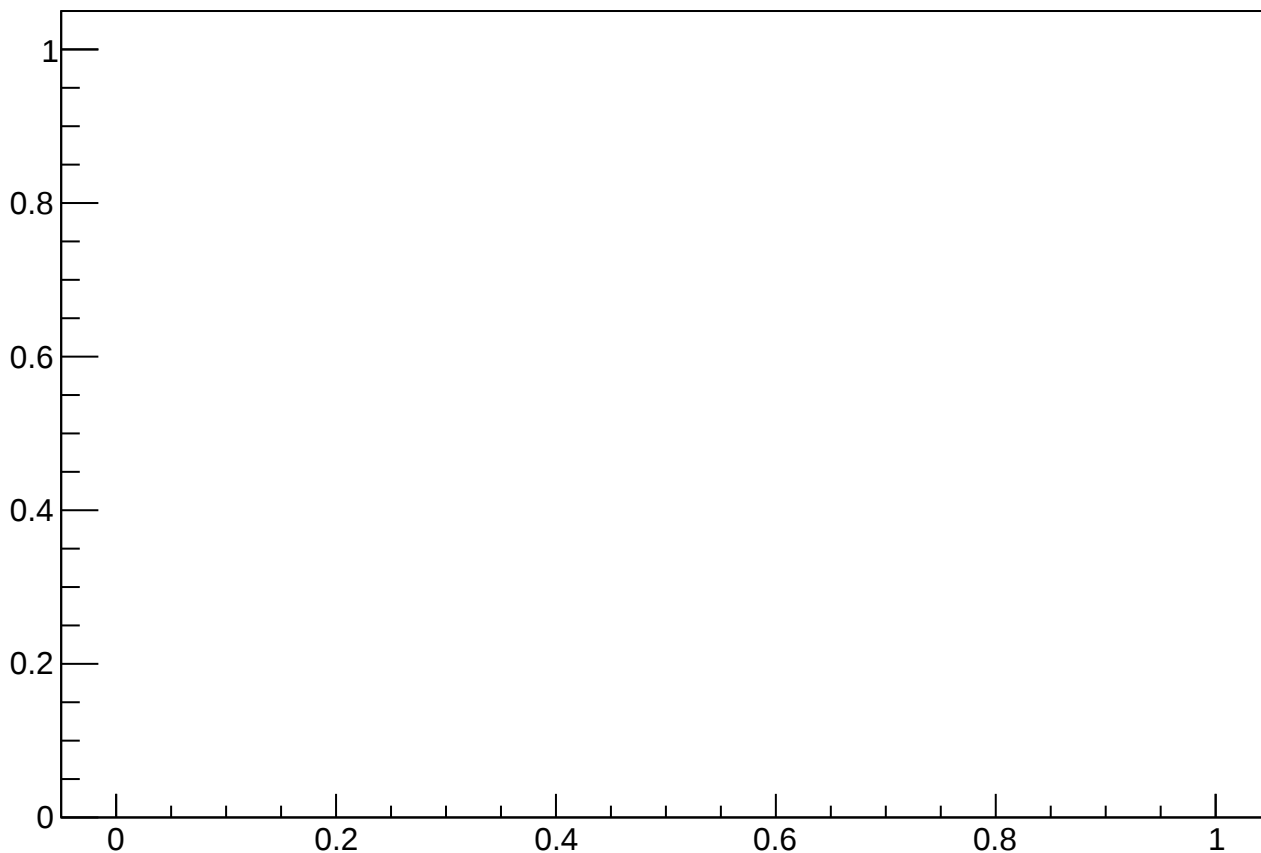
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

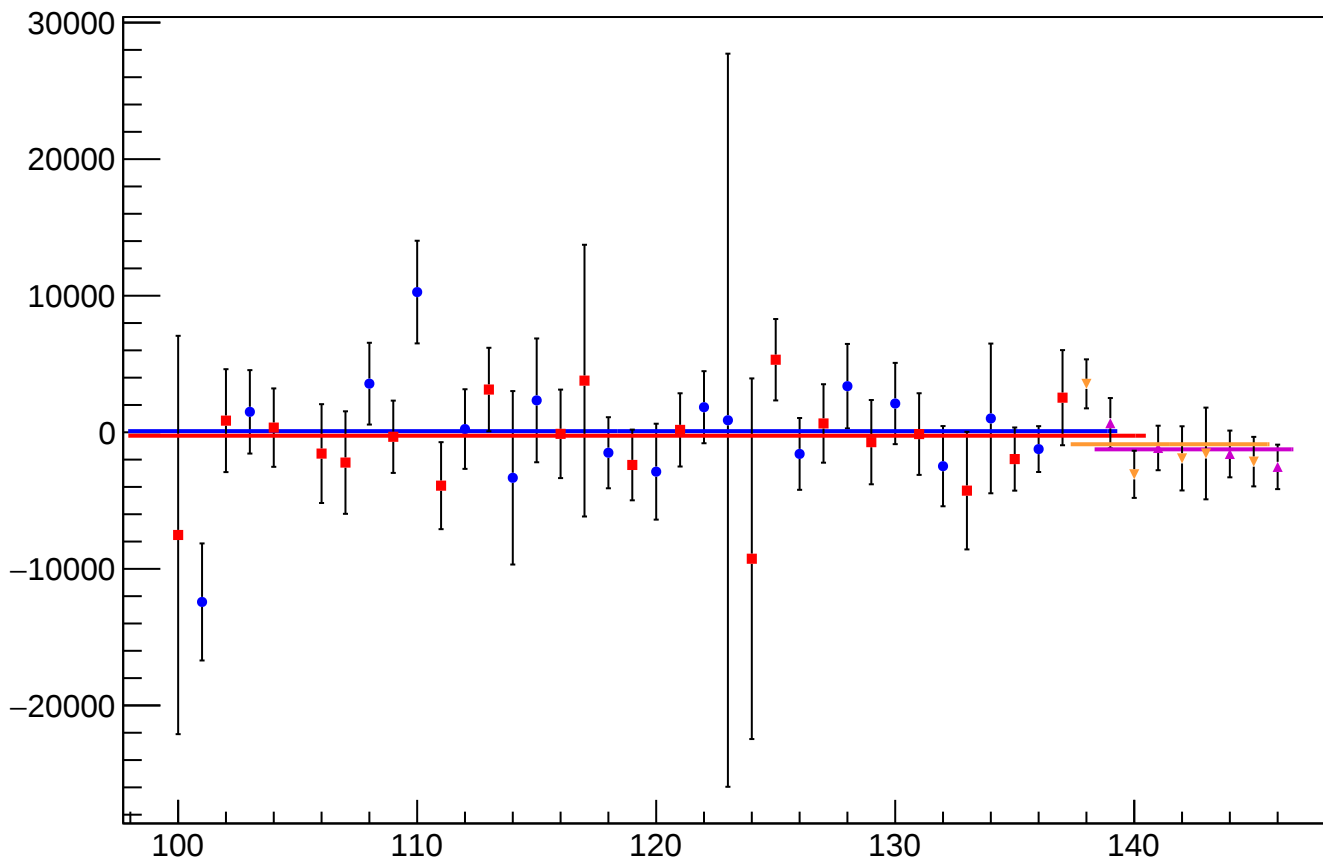
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -875.559+/-905.373 χ^2/NDF : 8.4/4

Right Out: -250.743+/-732.124 χ^2/NDF : 10.3/19

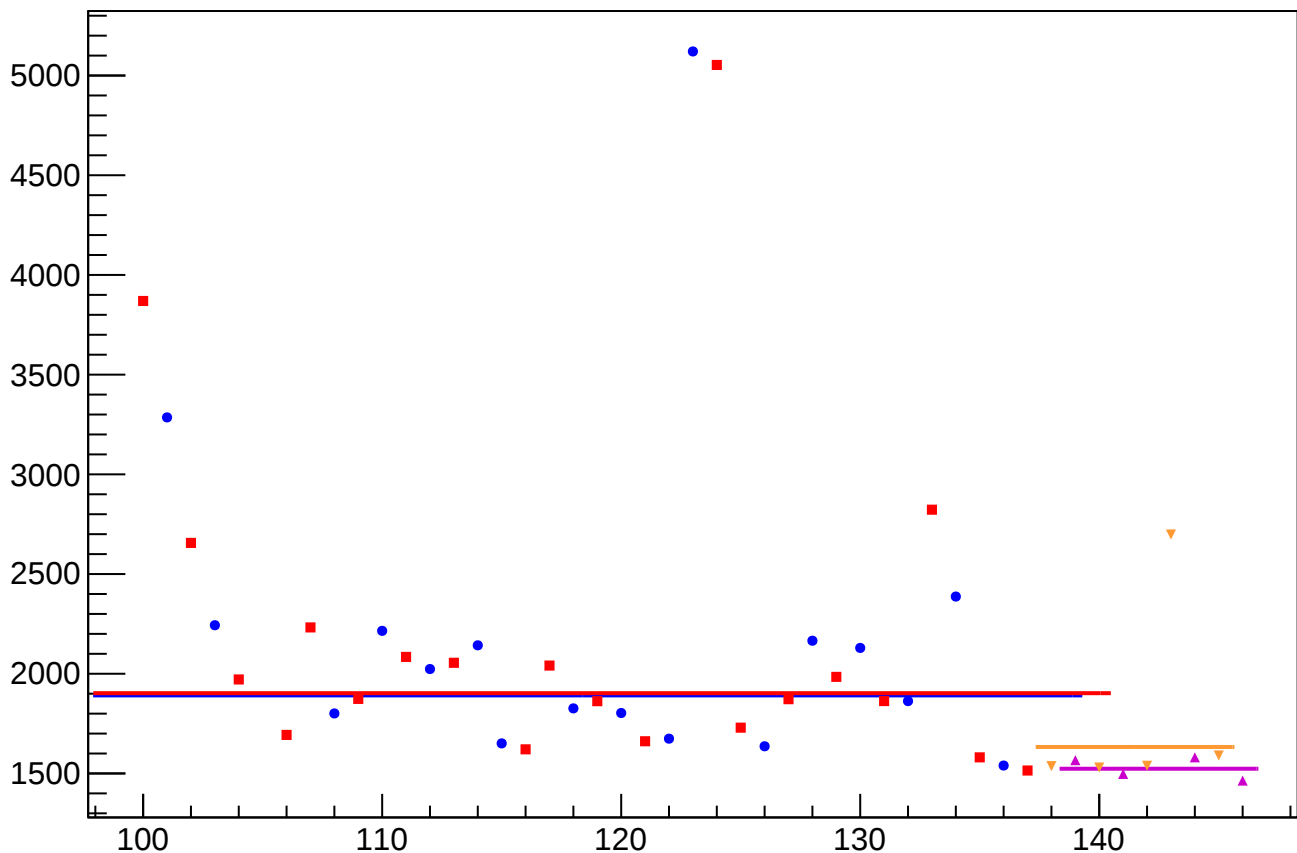
Left In: -1248.357+/-848.352 χ^2/NDF : 1.7/3

-306.924+/-577.819 χ^2/NDF : 32.0/21

-499.440+/-399.992 χ^2/NDF : 45.1/45

-676.580+/-554.264 χ^2/NDF : 12.9/23

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1632.776 $\pm$ 0.640 χ^2 /NDF: 218544.3/4

Right Out: 1902.551 $\pm$ 0.518 χ^2 /NDF: 461077.0/19

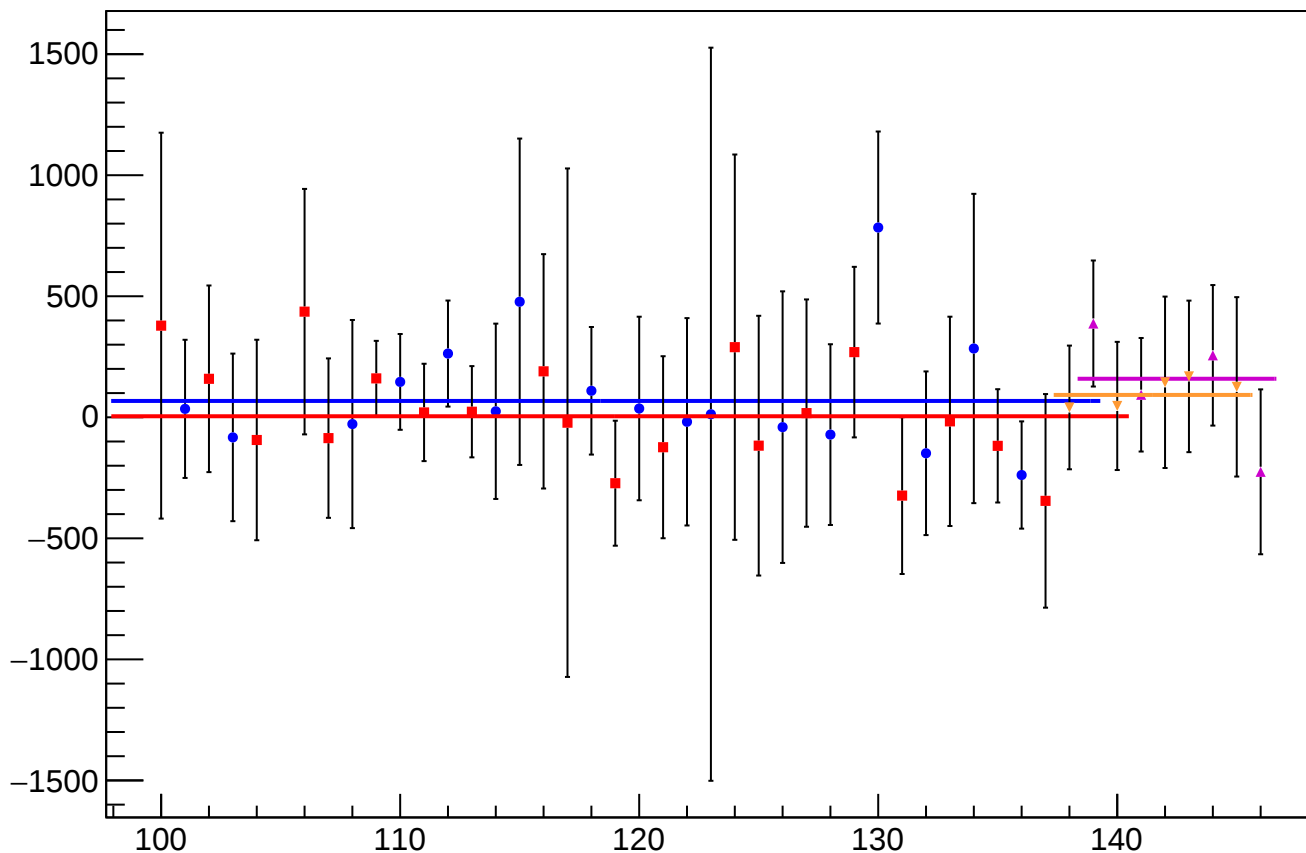
Left In: 1523.693 $\pm$ 0.600 χ^2 /NDF: 6487.3/3

1786.115 $\pm$ 0.409 χ^2 /NDF: 779835.8/21

1762.534 $\pm$ 0.283 χ^2 /NDF: 1482408.8/45

1740.836 $\pm$ 0.392 χ^2 /NDF: 696177.1/23

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 92.390 $\pm$ 134.767 χ^2 /NDF: 0.2/4

Right Out: 4.305 $\pm$ 69.854 χ^2 /NDF: 6.4/19

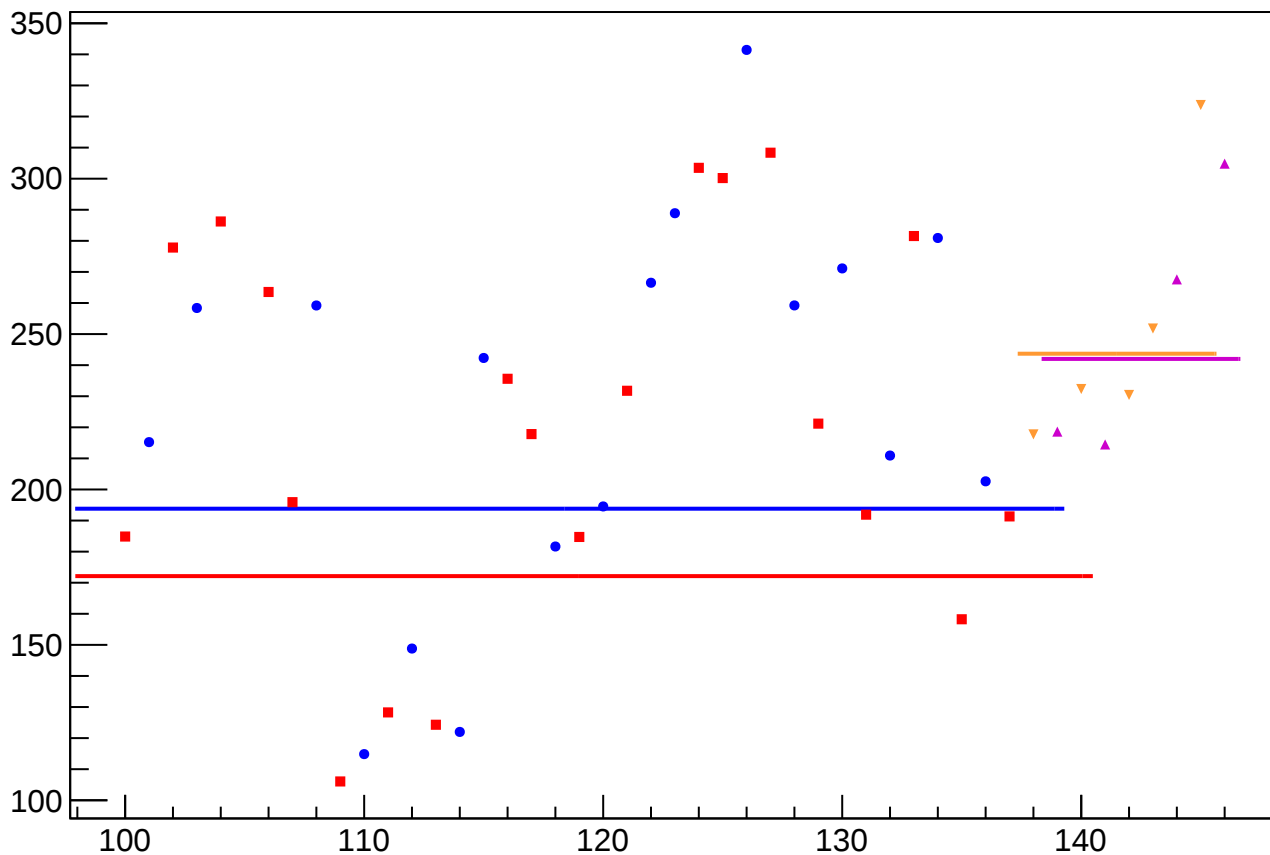
Left In: 159.209 $\pm$ 136.803 χ^2 /NDF: 2.2/3

73.969 $\pm$ 68.543 χ^2 /NDF: 7.7/21

53.337 $\pm$ 46.067 χ^2 /NDF: 17.5/45

36.340 $\pm$ 62.213 χ^2 /NDF: 9.6/23

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 243.685+/-0.095 χ^2/NDF :121754.4/4

Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

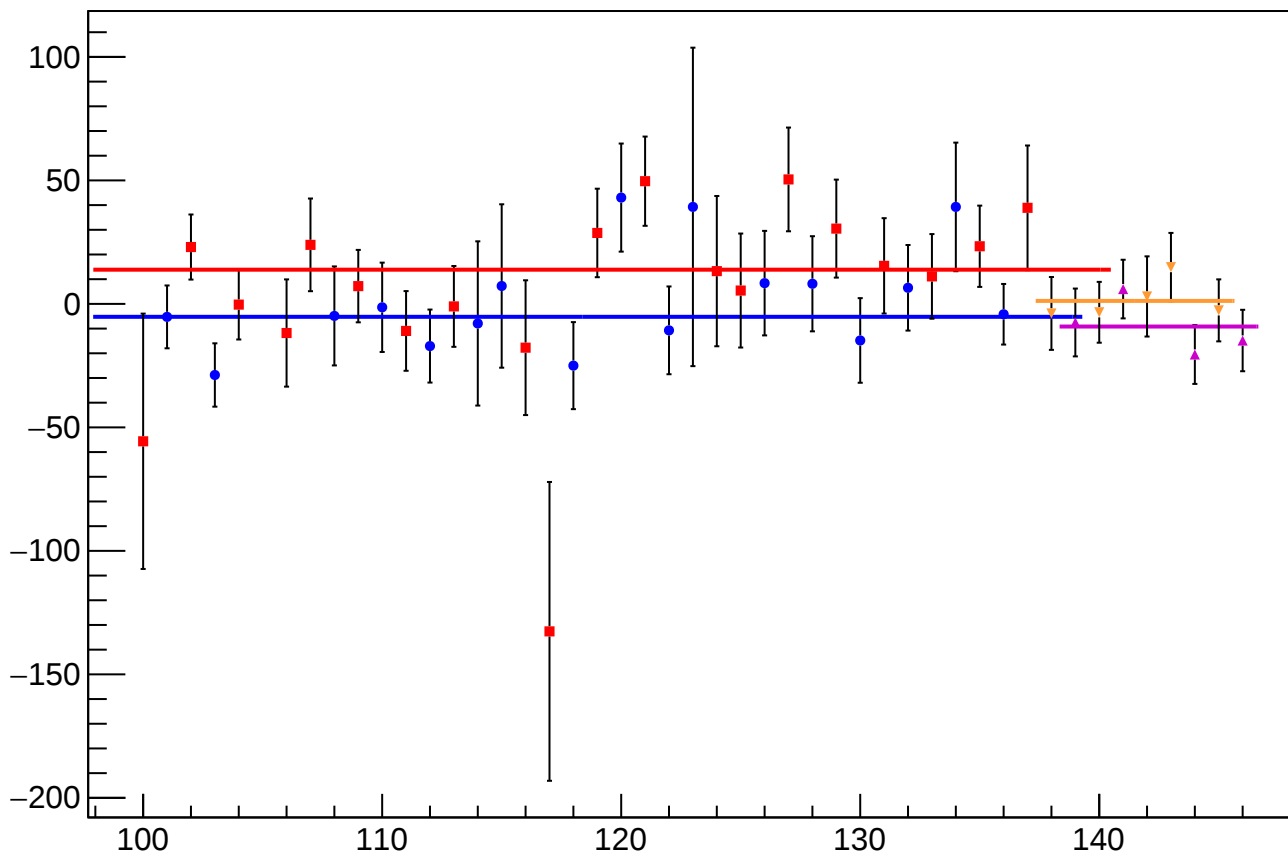
Left In: 242.007+/-0.097 χ^2/NDF :127319.0/3

206.715+/-0.048 χ^2/NDF : 1335100.4/21

195.673+/-0.033 χ^2/NDF : 3551937.2/45

186.576+/-0.044 χ^2/NDF : 2122165.8/23

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 1.211 ± 6.138 $\chi^2/\text{NDF}: 1.3/4$

Right Out: 13.851 ± 4.255 $\chi^2/\text{NDF}: 25.4/19$

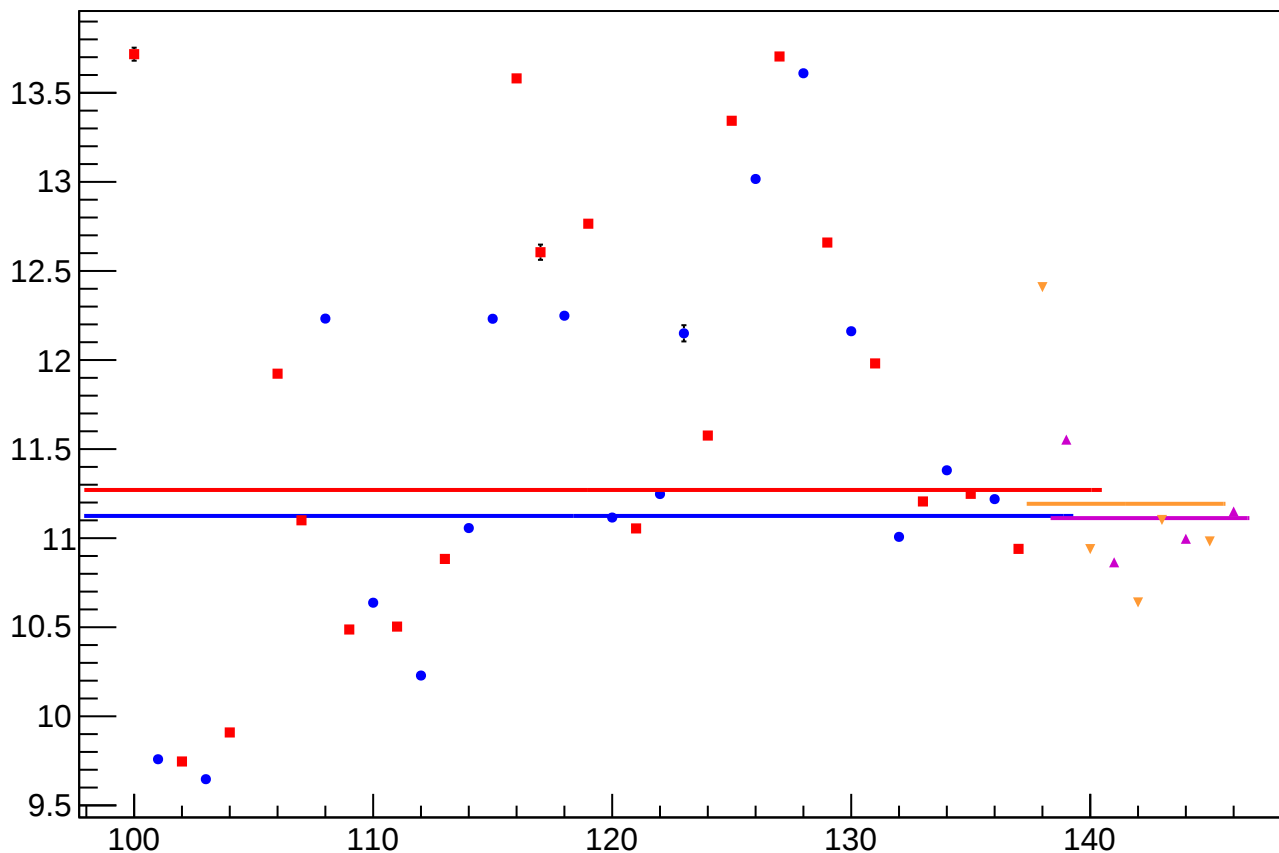
Left In: -9.167 ± 6.212 $\chi^2/\text{NDF}: 2.8/3$

-3.073 ± 3.552 $\chi^2/\text{NDF}: 17.6/21$

1.771 ± 2.497 $\chi^2/\text{NDF}: 58.8/45$

6.502 ± 3.510 $\chi^2/\text{NDF}: 37.5/23$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.193 $\pm$ 0.004 χ^2 /NDF:17431.5/4

Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

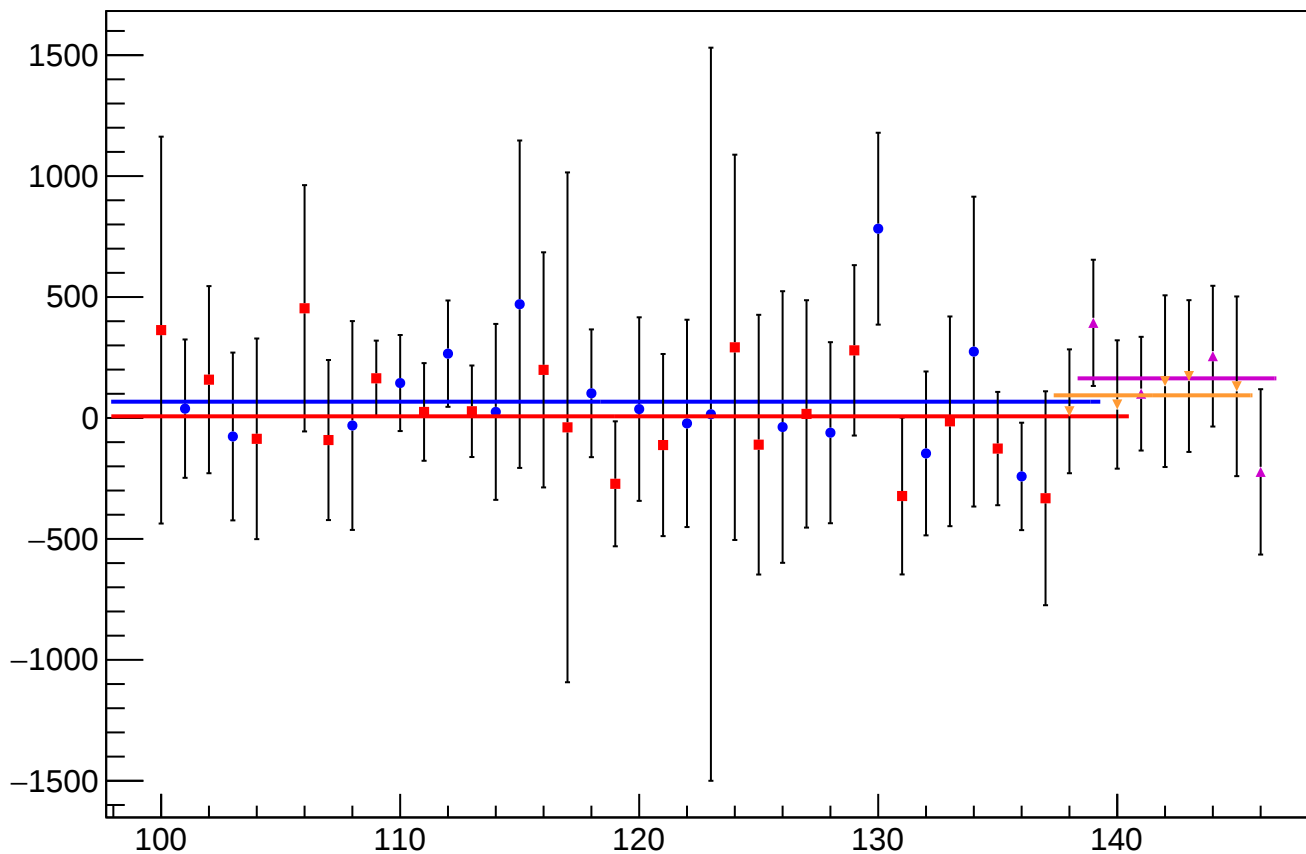
Left In: 11.113 $\pm$ 0.004 χ^2 /NDF:3140.7/3

11.148 $\pm$ 0.003 χ^2 /NDF: 150115.4/21

11.184 $\pm$ 0.002 χ^2 /NDF: 303269.5/45

11.220 $\pm$ 0.002 χ^2 /NDF: 152732.5/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305 $\pm$ 79.817 χ^2 /NDF: 7.5/16

Left Out: 93.634 $\pm$ 135.089 χ^2 /NDF: 0.2/4

Right Out: 6.837 $\pm$ 70.057 χ^2 /NDF: 6.4/19

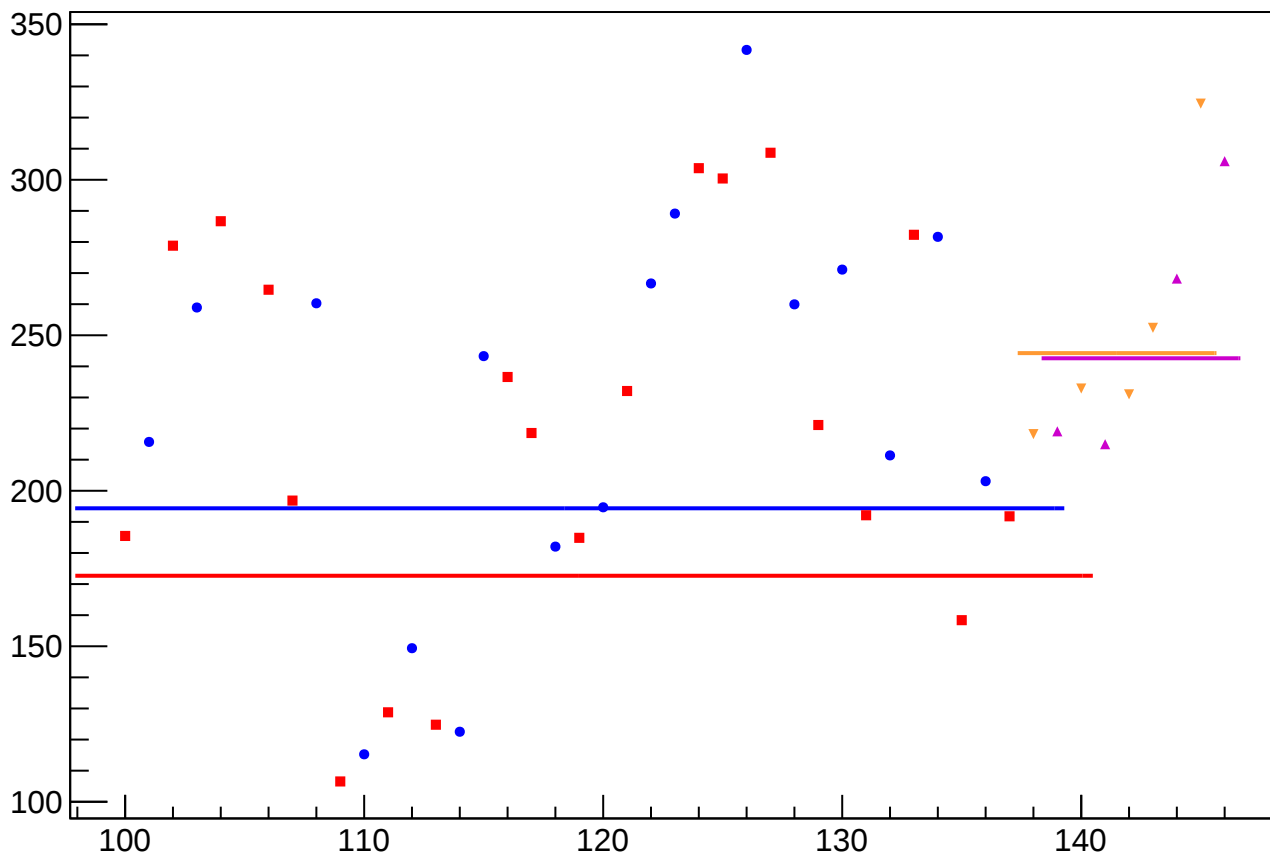
Left In: 163.772 $\pm$ 137.151 χ^2 /NDF: 2.2/3

74.118 $\pm$ 68.719 χ^2 /NDF: 7.7/21

55.038 $\pm$ 46.192 χ^2 /NDF: 17.5/45

39.311 $\pm$ 62.389 χ^2 /NDF: 9.7/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365+/-0.056 χ^2/NDF : 1005234.4/16

Left Out: 244.266+/-0.096 χ^2/NDF :121800.6/4

Right Out: 172.675+/-0.050 χ^2/NDF : 1573459.1/19

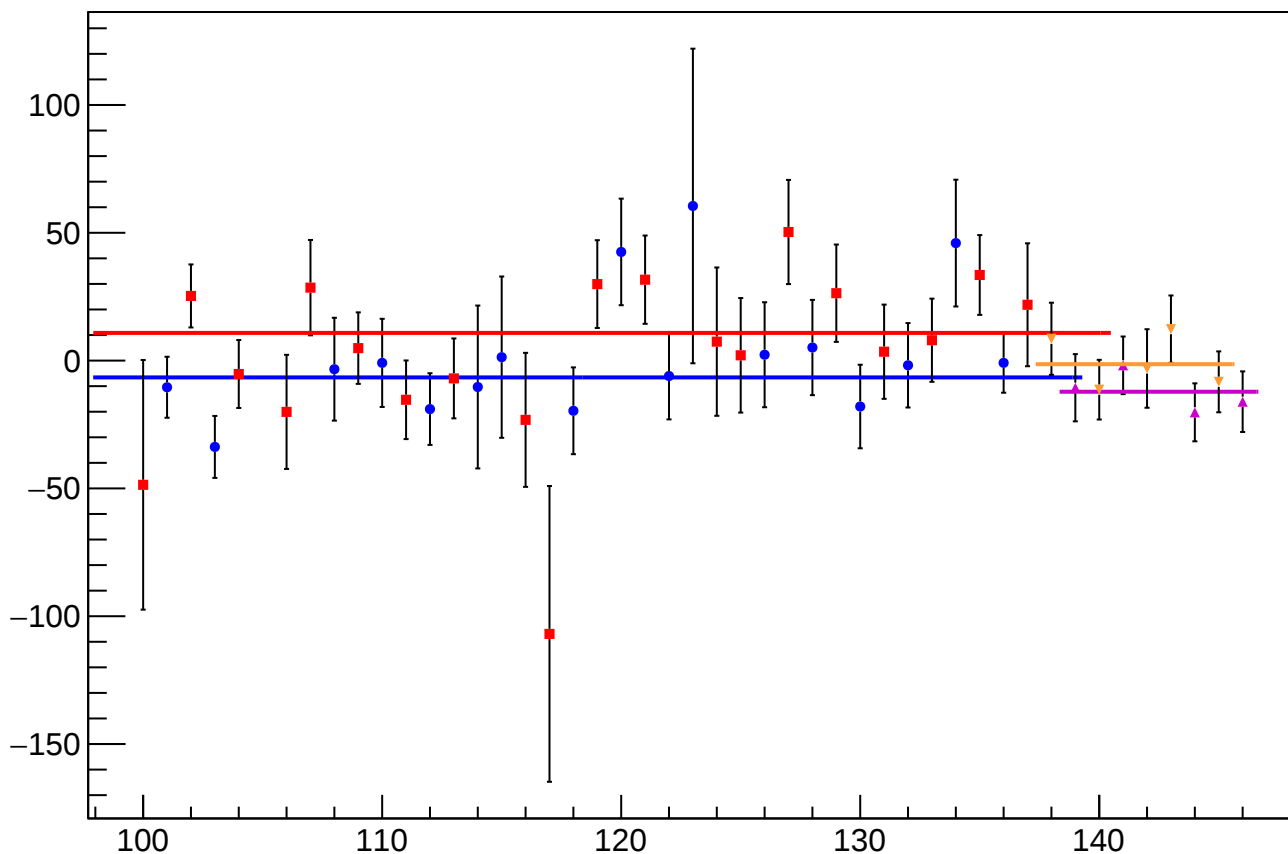
Left In: 242.605+/-0.097 χ^2/NDF :128122.7/3

207.278+/-0.049 χ^2/NDF : 1329314.4/21

196.242+/-0.033 χ^2/NDF : 3537343.2/45

187.145+/-0.044 χ^2/NDF : 2113930.9/23

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 χ^2/NDF : 19.3/16

Left Out: -1.402 ± 5.832 χ^2/NDF : 2.7/4

Right Out: 10.838 ± 4.070 χ^2/NDF : 27.1/19

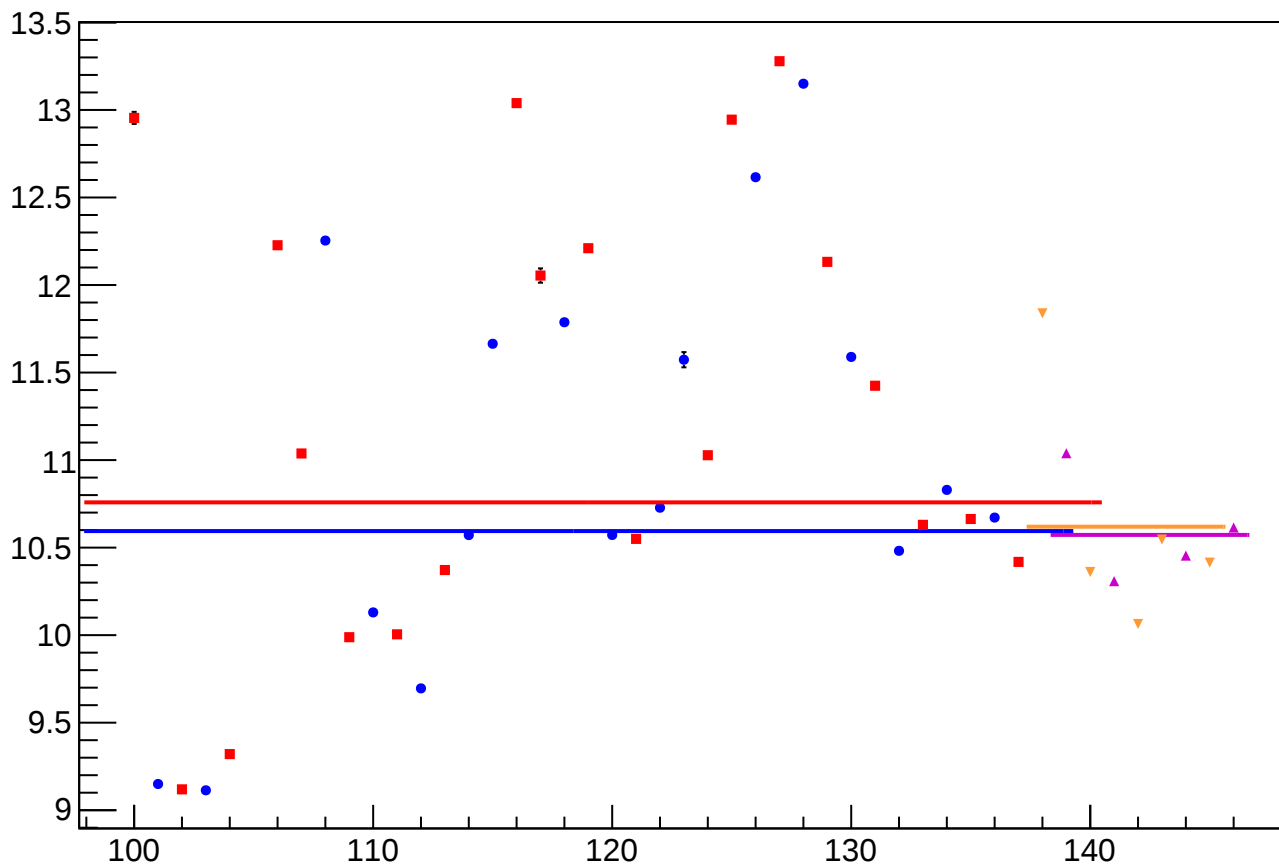
Left In: -12.180 ± 5.918 χ^2/NDF : 1.5/3

-4.833 ± 3.385 χ^2/NDF : 22.5/21

-0.653 ± 2.382 χ^2/NDF : 64.4/45

3.447 ± 3.353 χ^2/NDF : 38.9/23

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.620 $\pm$ 0.004 χ^2 /NDF:19170.4/4

Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 178180.9/19

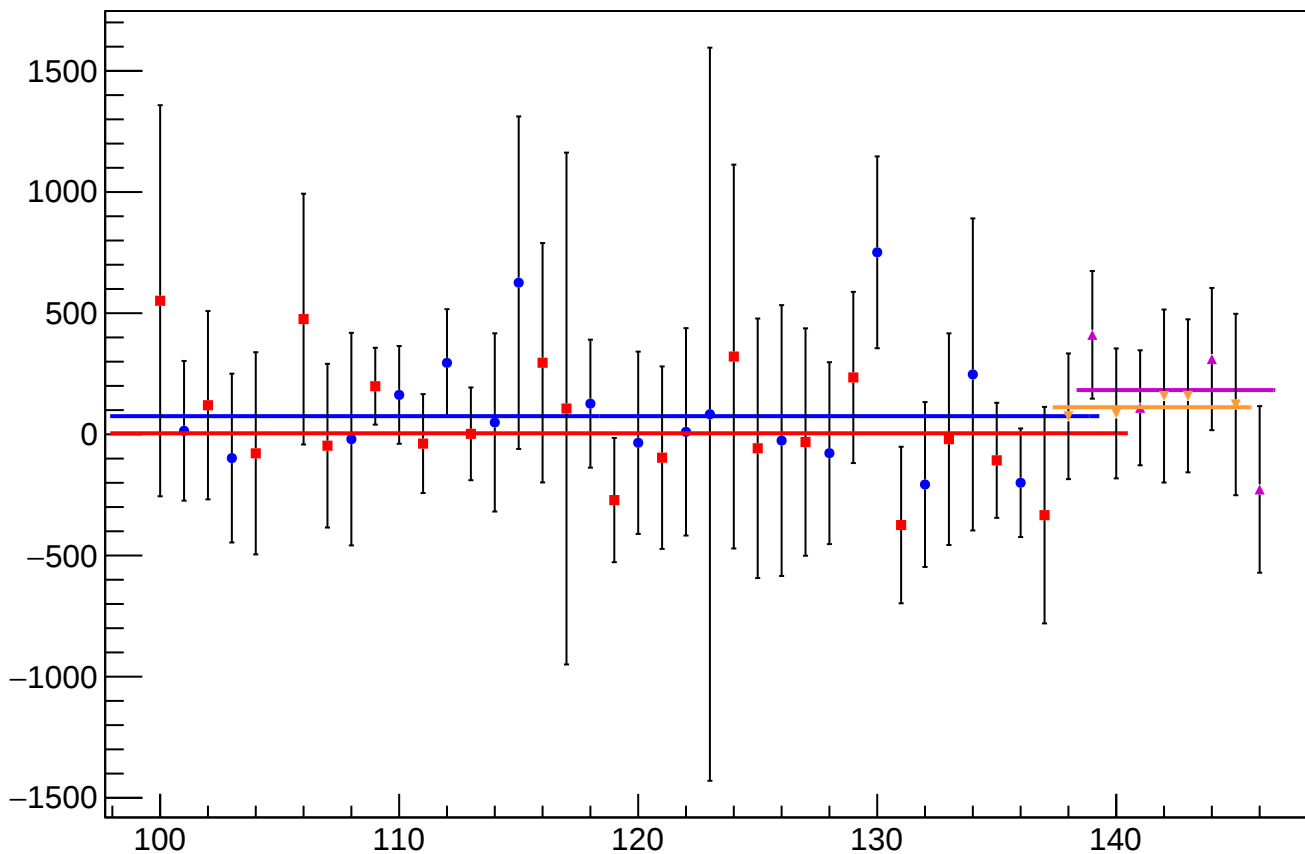
Left In: 10.573 $\pm$ 0.004 χ^2 /NDF:3860.9/3

10.603 $\pm$ 0.002 χ^2 /NDF: 179254.0/21

10.651 $\pm$ 0.002 χ^2 /NDF: 363445.4/45

10.699 $\pm$ 0.002 χ^2 /NDF: 183381.8/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 112.001 $\pm$ 136.357 χ^2 /NDF:0.1/4

Right Out: 4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

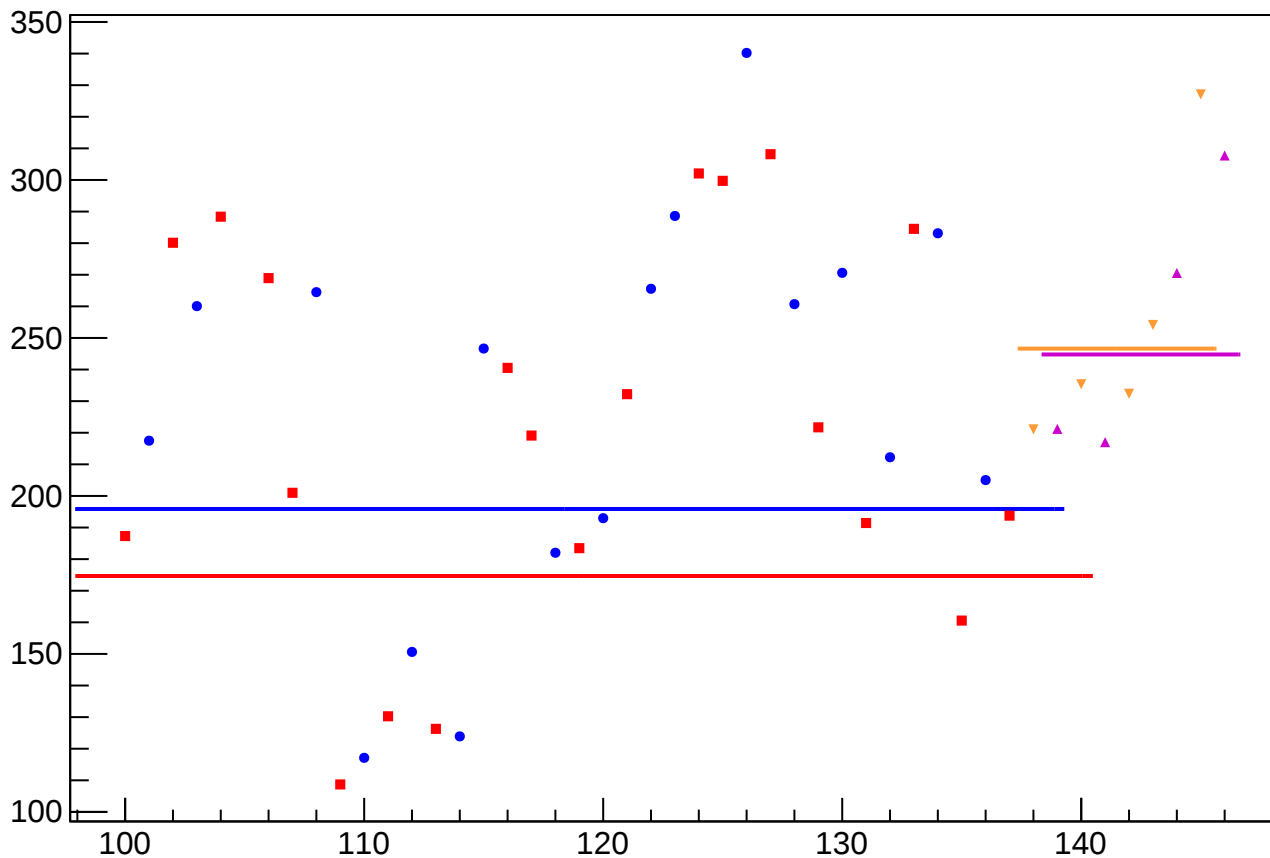
Left In: 182.796 $\pm$ 138.333 χ^2 /NDF:2.5/3

84.601 $\pm$ 69.226 χ^2 /NDF: 7.8/21

60.969 $\pm$ 46.582 χ^2 /NDF: 19.1/45

41.414 $\pm$ 62.971 χ^2 /NDF: 11.1/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 246.624 $\pm$ 0.096 χ^2 /NDF:119667.6/4

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

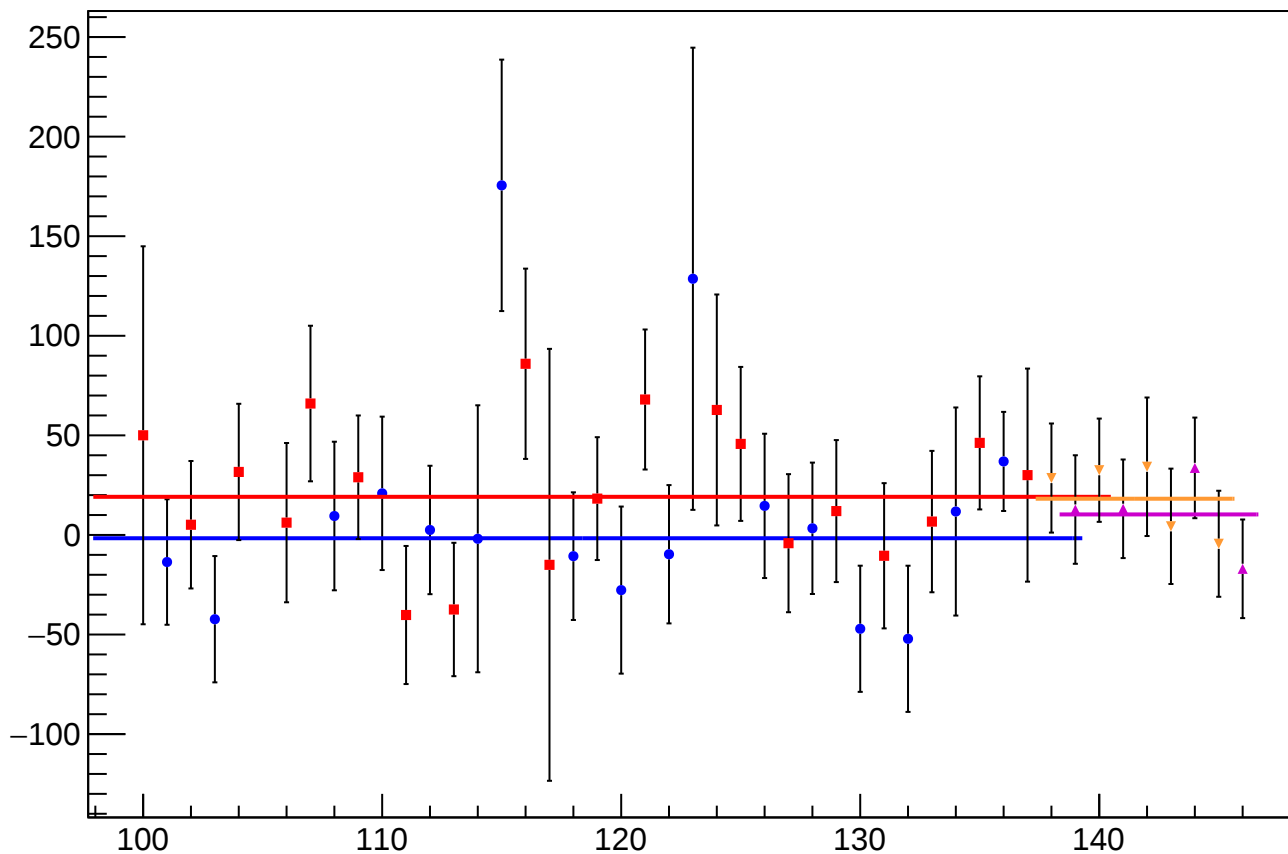
Left In: 244.772 $\pm$ 0.098 χ^2 /NDF:125921.9/3

208.951 $\pm$ 0.049 χ^2 /NDF: 1304595.7/21

198.139 $\pm$ 0.033 χ^2 /NDF: 3459241.3/45

189.193 $\pm$ 0.045 χ^2 /NDF: 2065497.3/23

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 18.185 ± 12.648 χ^2/NDF : 1.6/4

Right Out: 19.145 ± 8.529 χ^2/NDF : 14.9/19

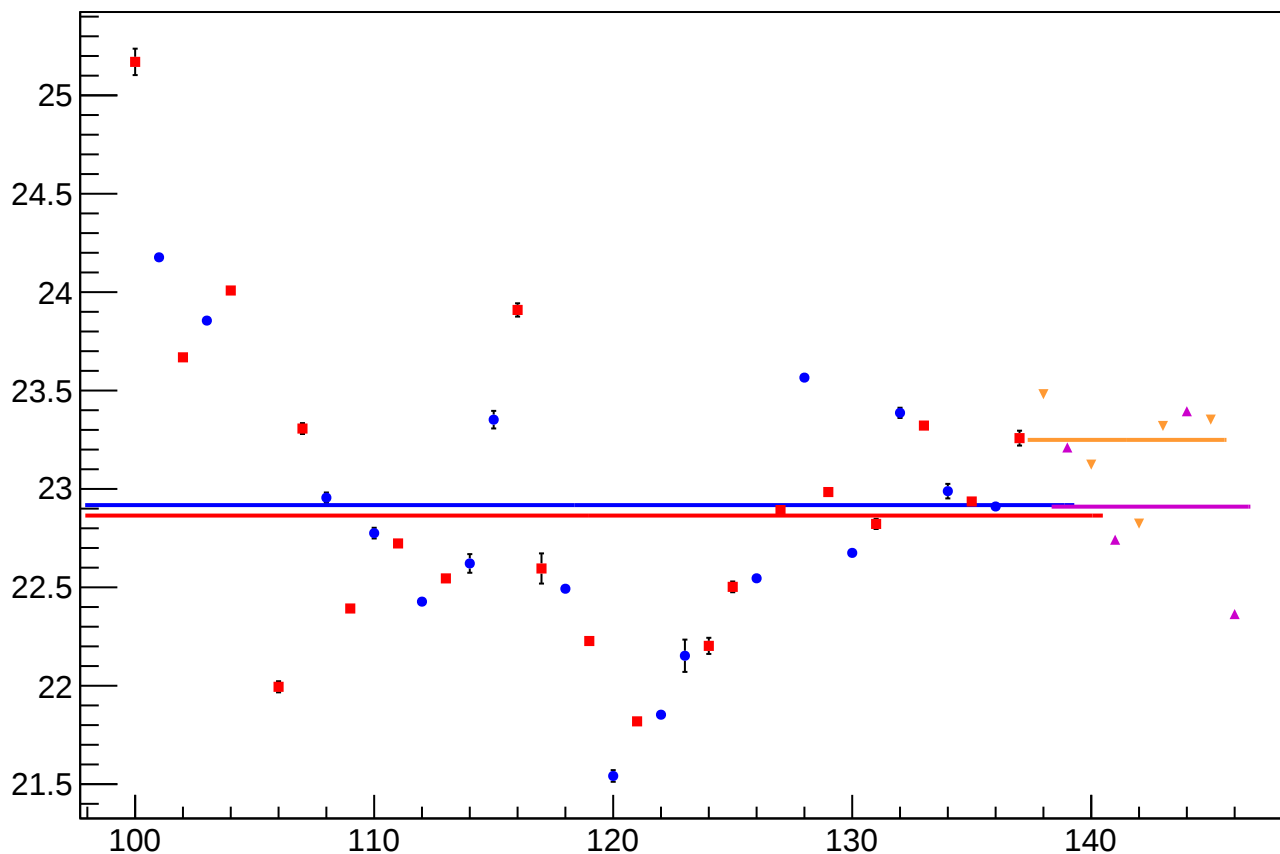
Left In: 10.303 ± 12.722 χ^2/NDF : 2.1/3

4.897 ± 7.268 χ^2/NDF : 21.8/21

10.798 ± 5.073 χ^2/NDF : 40.4/45

16.403 ± 7.084 χ^2/NDF : 17.3/23

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918 ± 0.006 $\chi^2/\text{NDF}: 11472.2/16$

Left Out: 23.249 ± 0.009 $\chi^2/\text{NDF}: 532.0/4$

Right Out: 22.865 ± 0.006 $\chi^2/\text{NDF}: 11064.9/19$

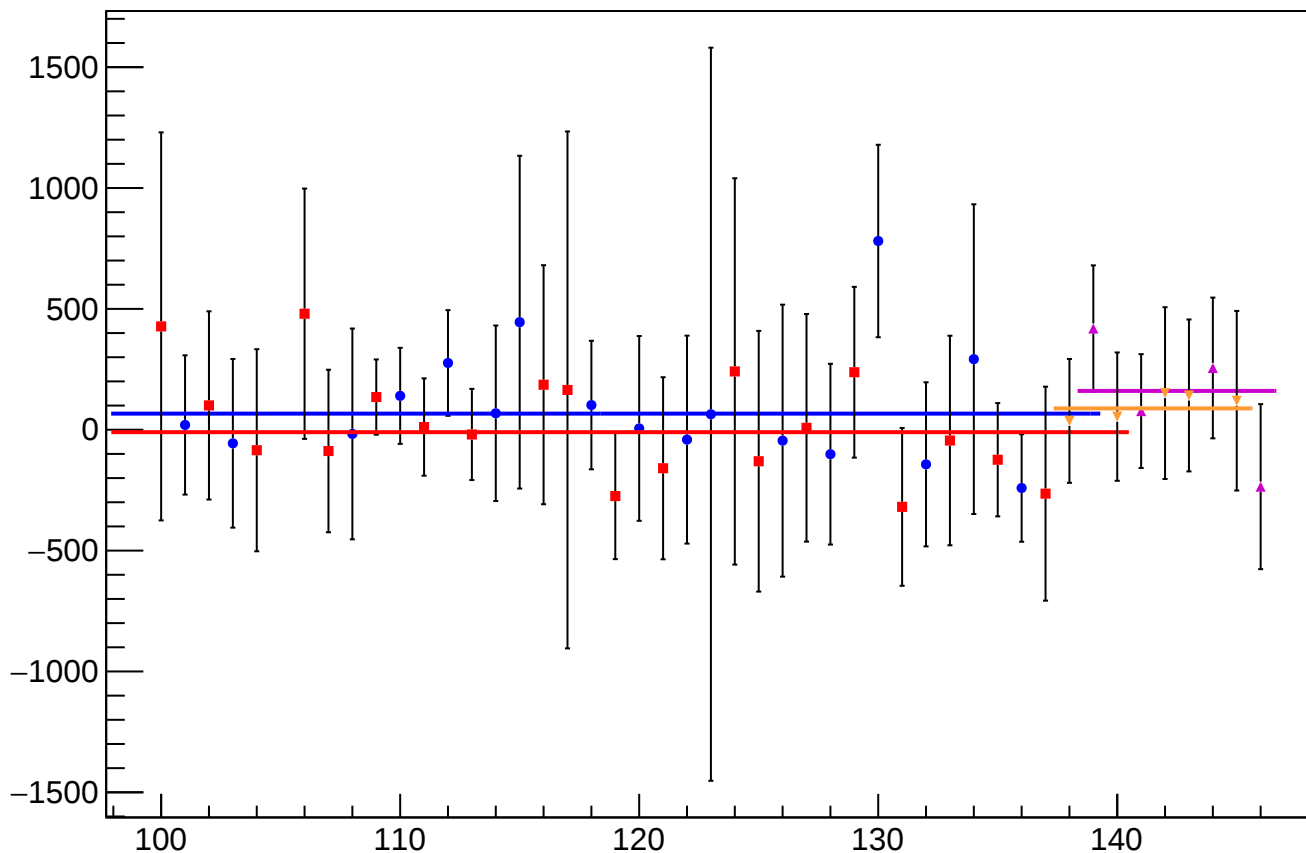
Left In: 22.910 ± 0.009 $\chi^2/\text{NDF}: 2044.8/3$

23.027 ± 0.005 $\chi^2/\text{NDF}: 12924.0/21$

22.951 ± 0.004 $\chi^2/\text{NDF}: 26479.6/45$

22.879 ± 0.005 $\chi^2/\text{NDF}: 13127.2/23$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 88.365 $\pm$ 135.200 χ^2 /NDF: 0.1/4

Right Out: -10.113 $\pm$ 70.234 χ^2 /NDF: 5.7/19

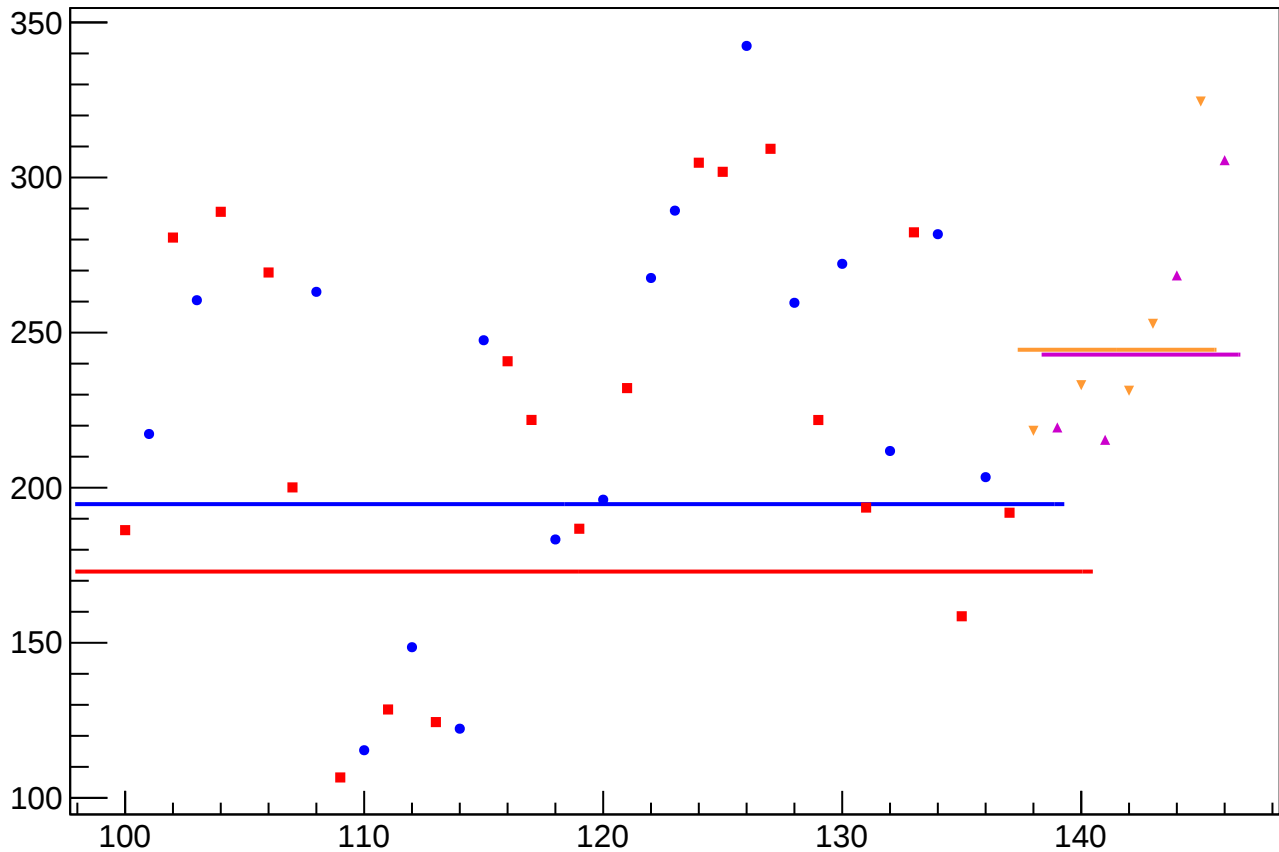
Left In: 160.605 $\pm$ 137.296 χ^2 /NDF: 2.6/3

72.318 $\pm$ 68.847 χ^2 /NDF: 7.7/21

46.551 $\pm$ 46.287 χ^2 /NDF: 17.4/45

25.296 $\pm$ 62.528 χ^2 /NDF: 9.5/23

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 244.474+/-0.096 χ^2/NDF :121515.5/4

Right Out: 172.965+/-0.050 χ^2/NDF : 1601142.0/19

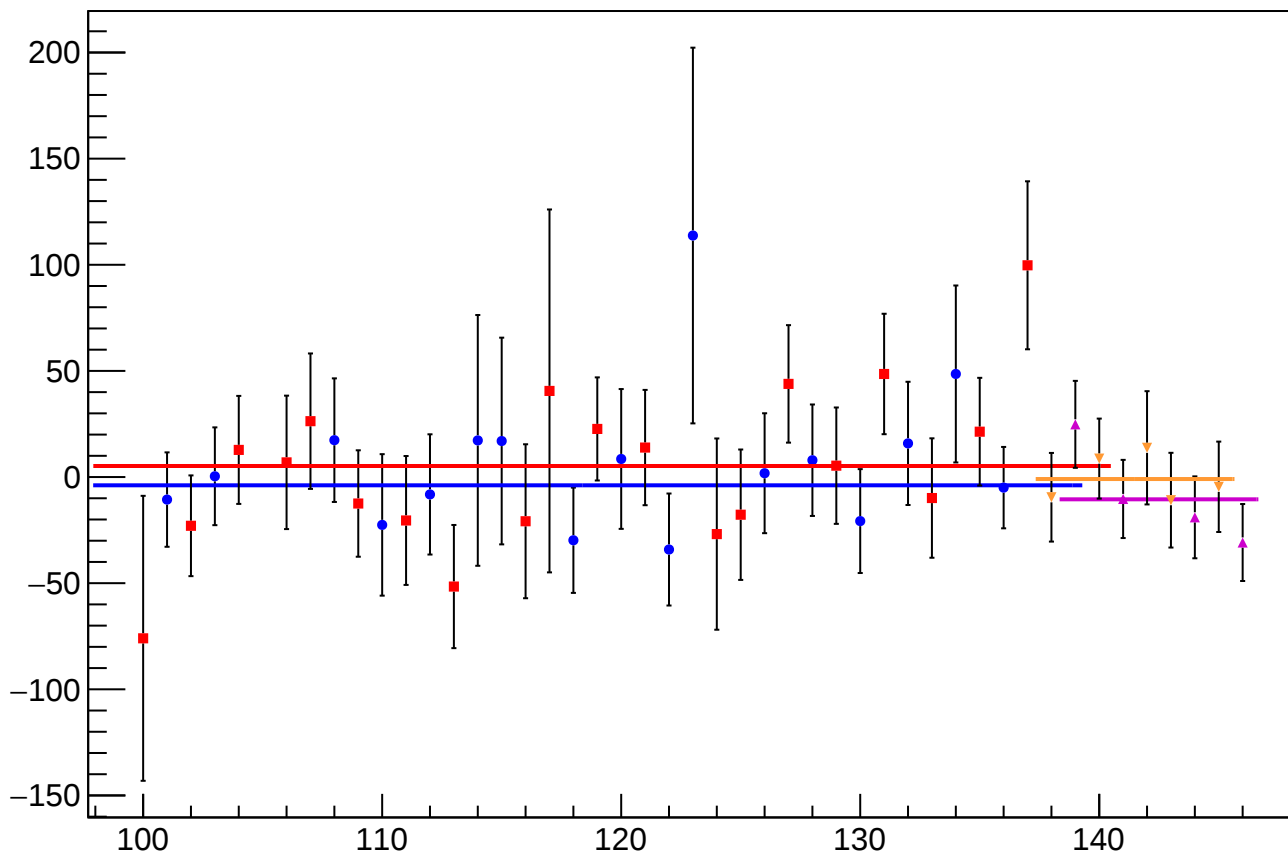
Left In: 242.910+/-0.097 χ^2/NDF :126158.3/3

207.609+/-0.049 χ^2/NDF : 1342146.7/21

196.574+/-0.033 χ^2/NDF : 3574614.3/45

187.473+/-0.044 χ^2/NDF : 2138713.7/23

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: -0.938 ± 9.655 χ^2/NDF : 1.0/4

Right Out: 5.204 ± 6.706 χ^2/NDF : 21.5/19

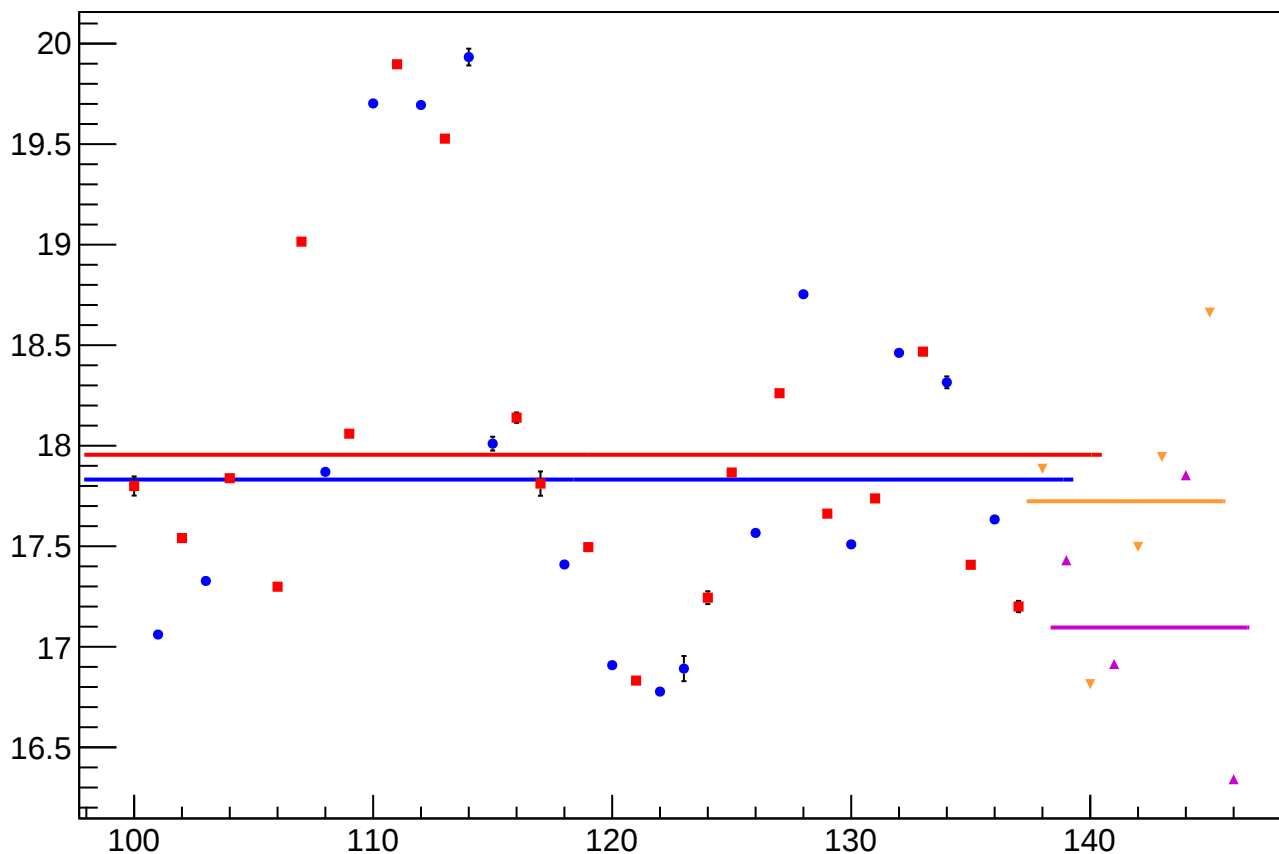
Left In: -10.497 ± 9.508 χ^2/NDF : 4.4/3

-2.892 ± 5.622 χ^2/NDF : 9.4/21

-1.415 ± 3.924 χ^2/NDF : 37.3/45

-0.012 ± 5.480 χ^2/NDF : 27.8/23

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 17.724 $\pm$ 0.007 χ^2 /NDF:9001.2/4

Right Out: 17.955 $\pm$ 0.005 χ^2 /NDF: 25454.6/19

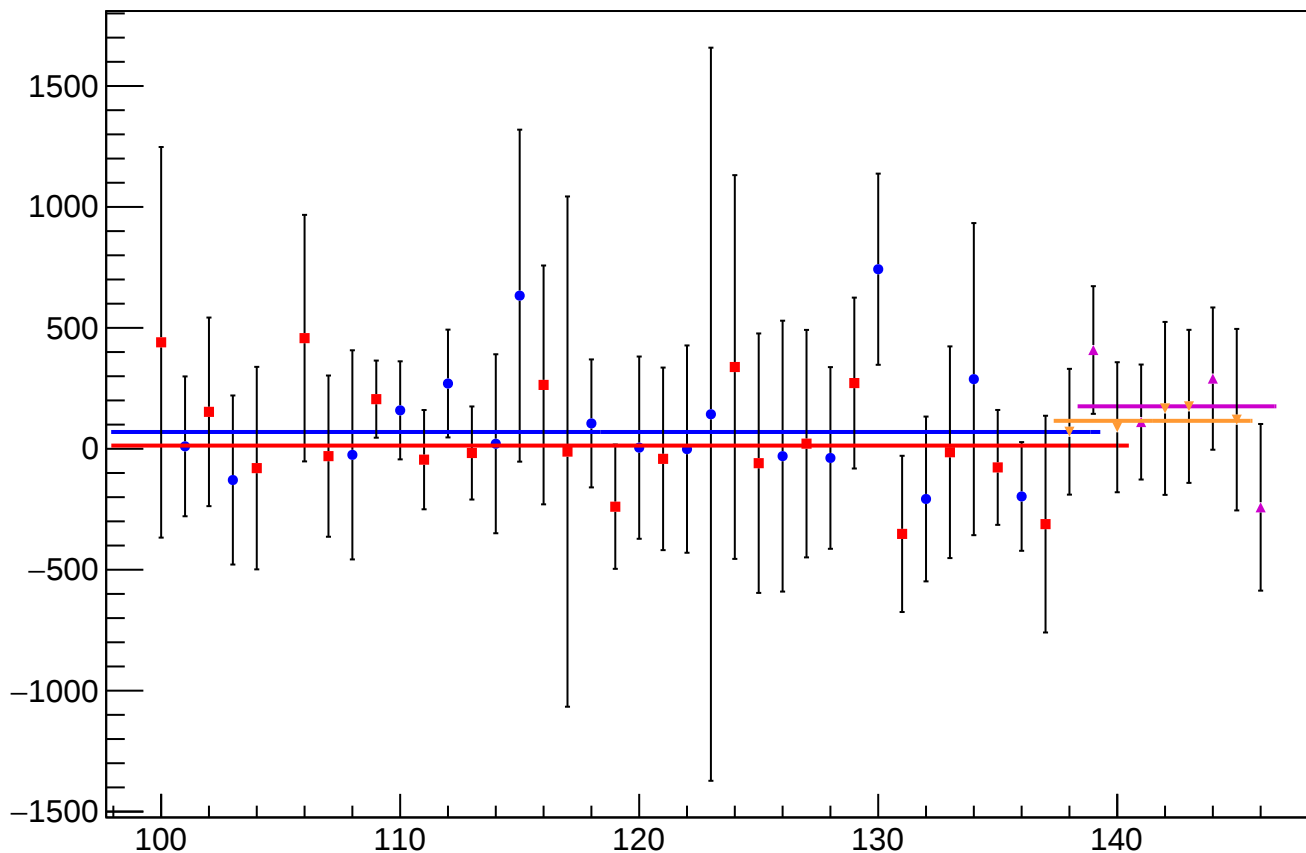
Left In: 17.096 $\pm$ 0.007 χ^2 /NDF:7272.9/3

17.795 $\pm$ 0.004 χ^2 /NDF: 40029.6/21

17.731 $\pm$ 0.003 χ^2 /NDF: 84171.9/45

17.670 $\pm$ 0.004 χ^2 /NDF: 43631.2/23

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 115.648 $\pm$ 136.665 χ^2 /NDF: 0.1/4

Right Out: 13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

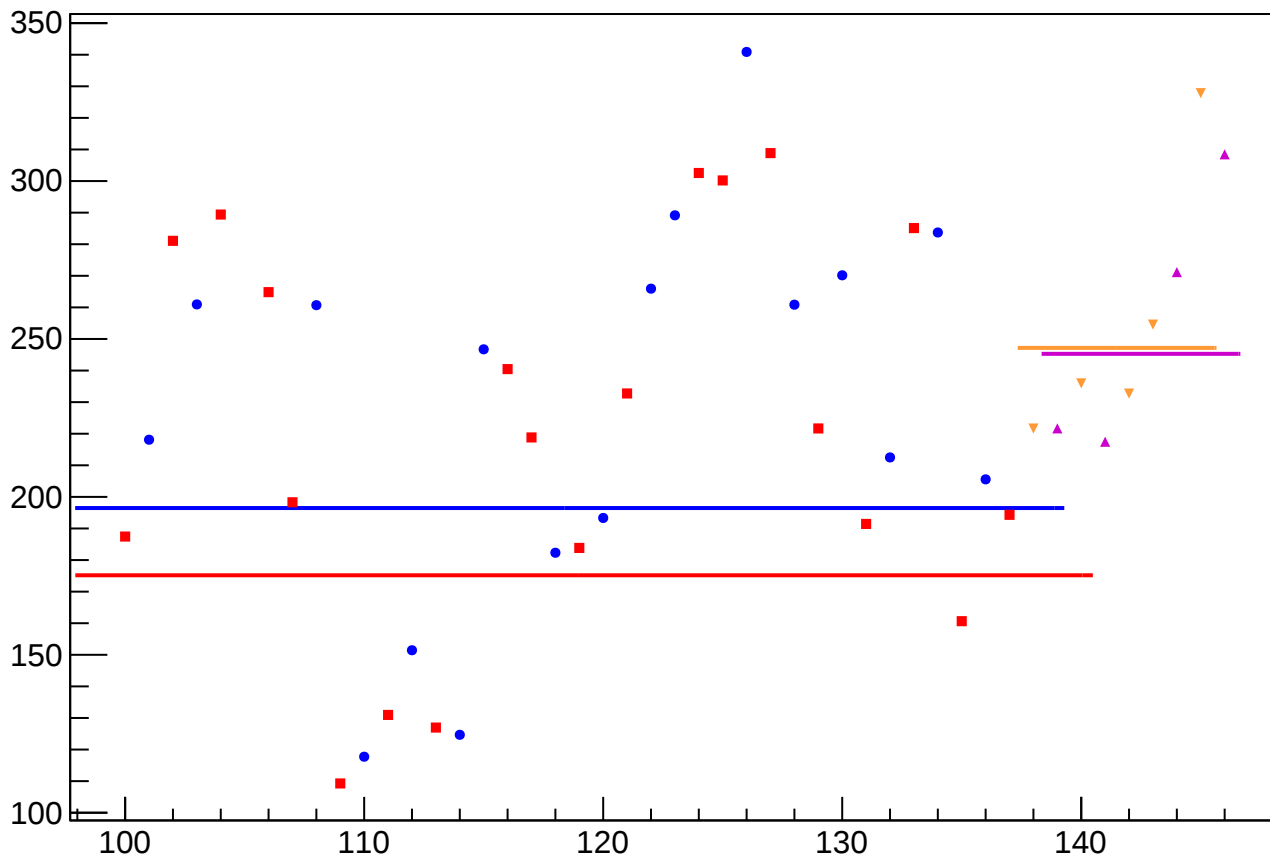
Left In: 175.635 $\pm$ 138.629 χ^2 /NDF: 2.5/3

81.406 $\pm$ 69.394 χ^2 /NDF: 7.6/21

62.543 $\pm$ 46.689 χ^2 /NDF: 18.0/45

46.941 $\pm$ 63.110 χ^2 /NDF: 10.3/23

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 +/- 0.057 χ^2/NDF : 964281.5/16

Left Out: 247.184 +/- 0.097 χ^2/NDF : 119543.3/4

Right Out: 175.179 +/- 0.050 χ^2/NDF : 1514541.6/19

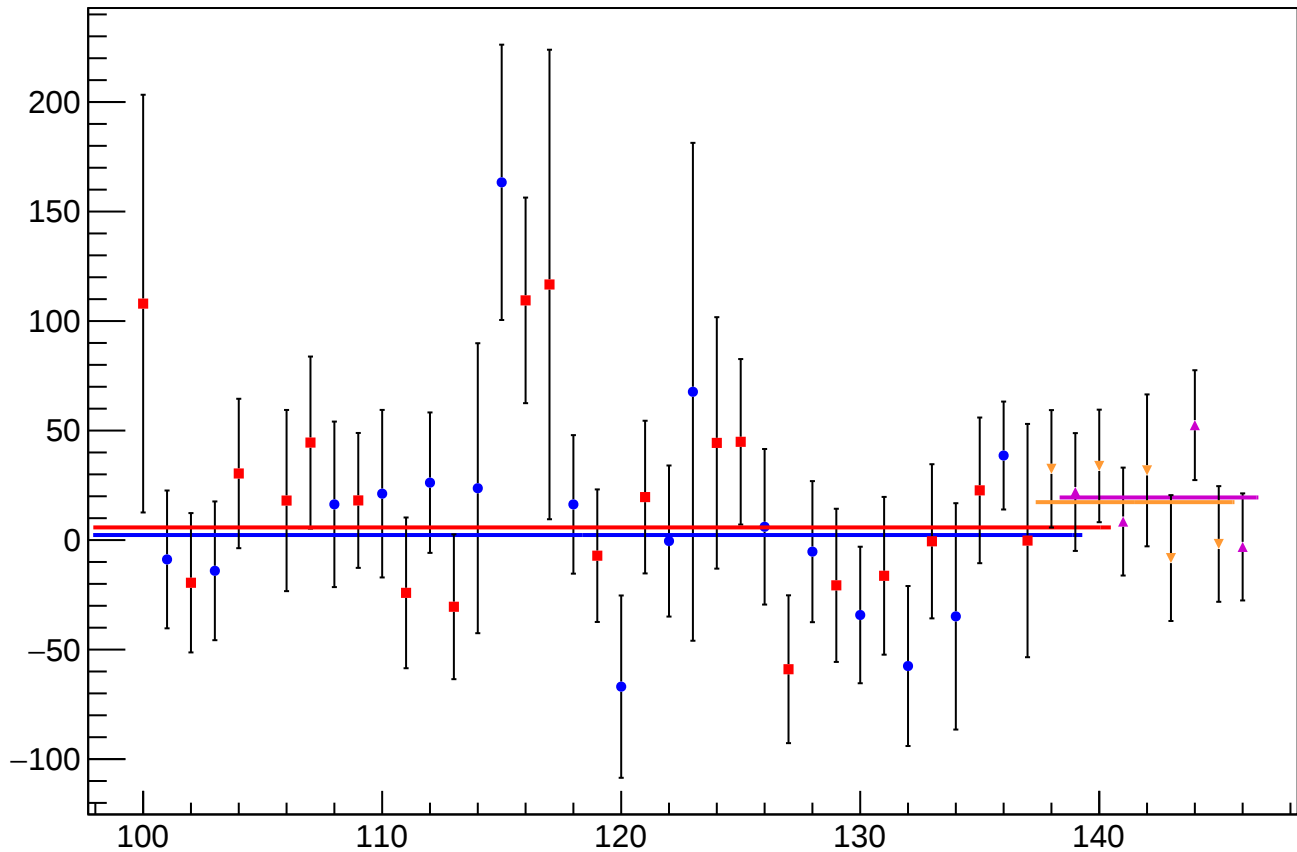
Left In: 245.294 +/- 0.098 χ^2/NDF : 126113.4/3

209.546 +/- 0.049 χ^2/NDF : 1288222.7/21

198.689 +/- 0.033 χ^2/NDF : 3423893.8/45

189.710 +/- 0.045 χ^2/NDF : 2046234.0/23

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 17.317 ± 12.517 $\chi^2/\text{NDF}: 2.2/4$

Right Out: 5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

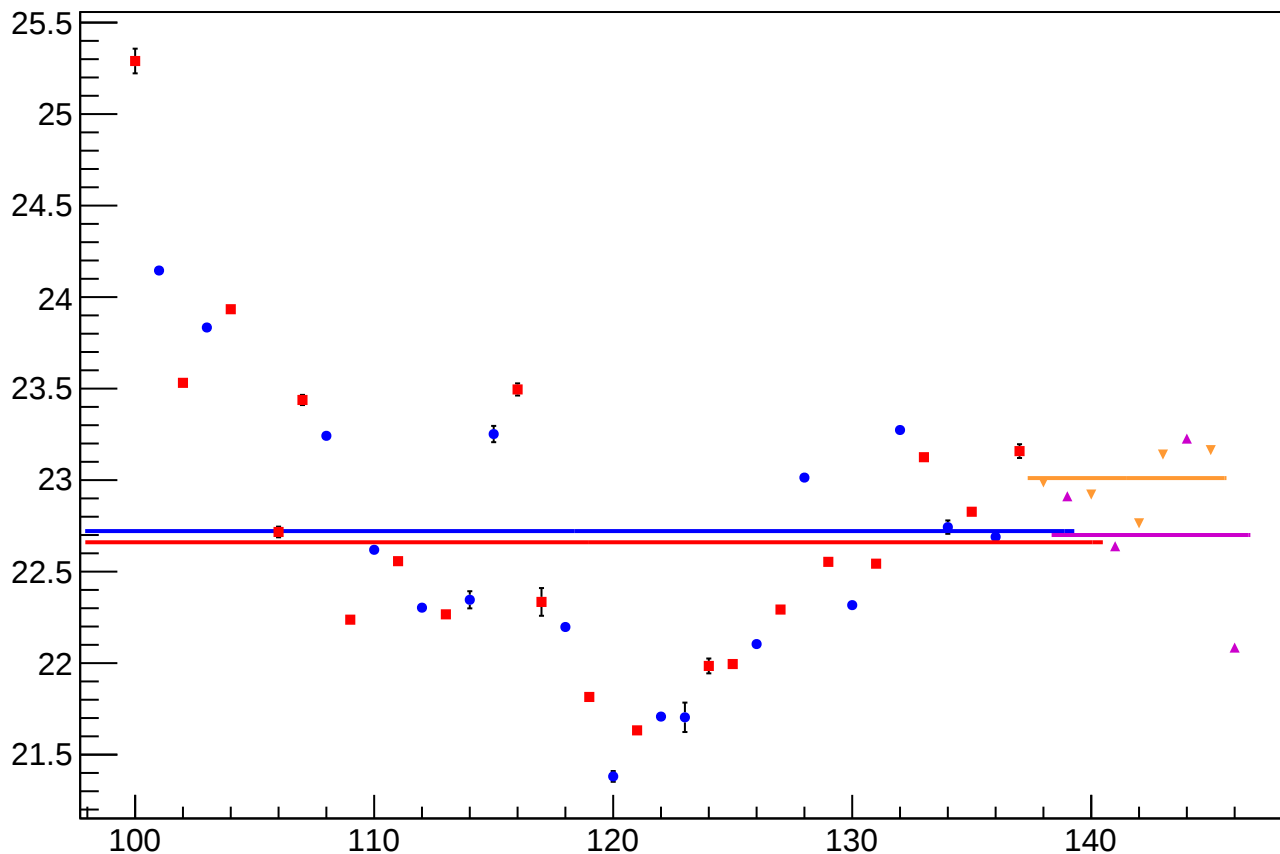
Left In: 19.460 ± 12.605 $\chi^2/\text{NDF}: 2.8/3$

7.276 ± 7.202 $\chi^2/\text{NDF}: 21.3/21$

8.686 ± 5.027 $\chi^2/\text{NDF}: 43.2/45$

10.025 ± 7.021 $\chi^2/\text{NDF}: 21.8/23$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 ± 0.006 $\chi^2/\text{NDF}: 13580.6/16$

Left Out: 23.011 ± 0.009 $\chi^2/\text{NDF}: 234.6/4$

Right Out: 22.660 ± 0.006 $\chi^2/\text{NDF}: 12974.2/19$

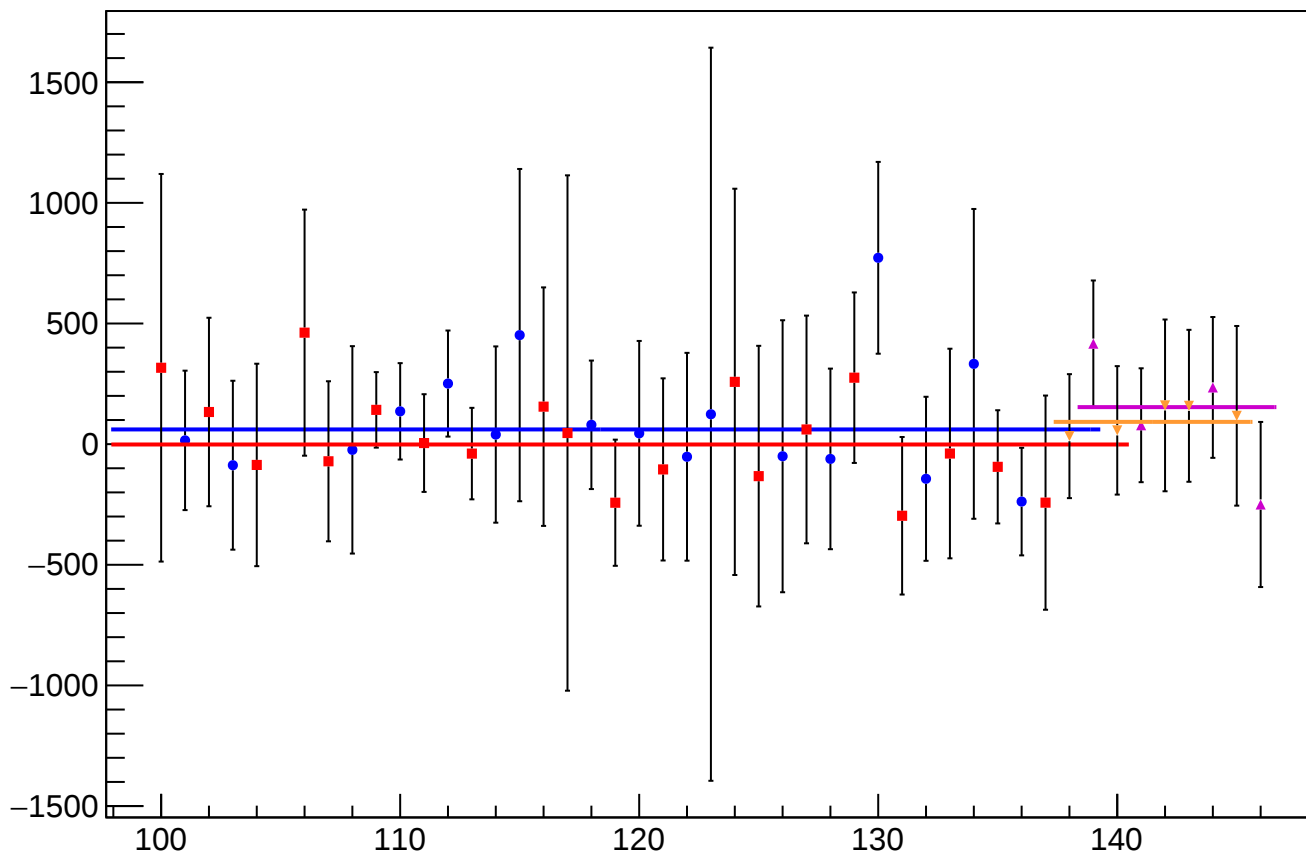
Left In: 22.700 ± 0.009 $\chi^2/\text{NDF}: 2284.8/3$

22.817 ± 0.005 $\chi^2/\text{NDF}: 14531.2/21$

22.743 ± 0.004 $\chi^2/\text{NDF}: 30217.7/45$

22.673 ± 0.005 $\chi^2/\text{NDF}: 15272.7/23$

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 92.290 $\pm$ 135.509 χ^2 /NDF: 0.2/4

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

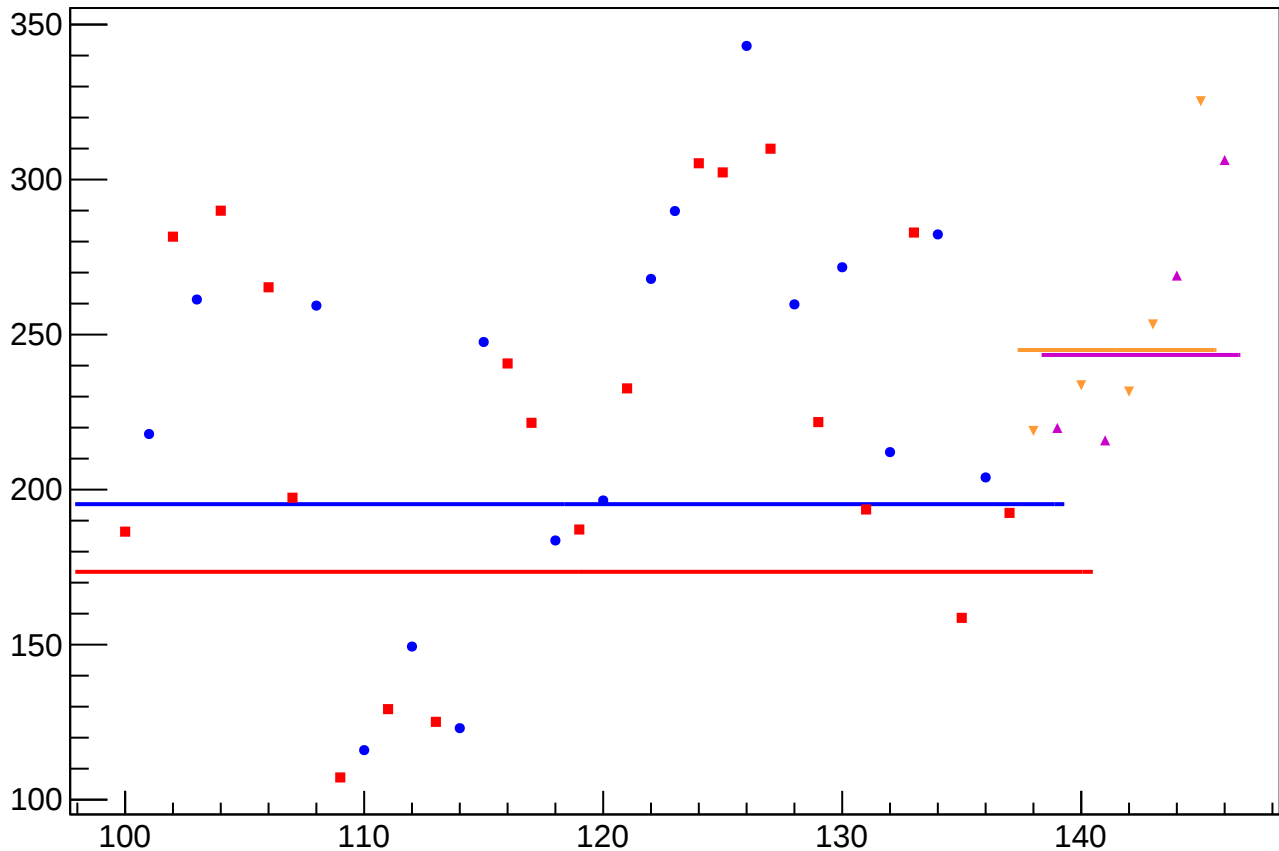
Left In: 153.439 $\pm$ 137.594 χ^2 /NDF: 2.6/3

69.087 $\pm$ 69.016 χ^2 /NDF: 7.4/21

48.043 $\pm$ 46.396 χ^2 /NDF: 16.3/45

30.690 $\pm$ 62.670 χ^2 /NDF: 8.8/23

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 245.036+/-0.096 χ^2/NDF :121371.6/4

Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

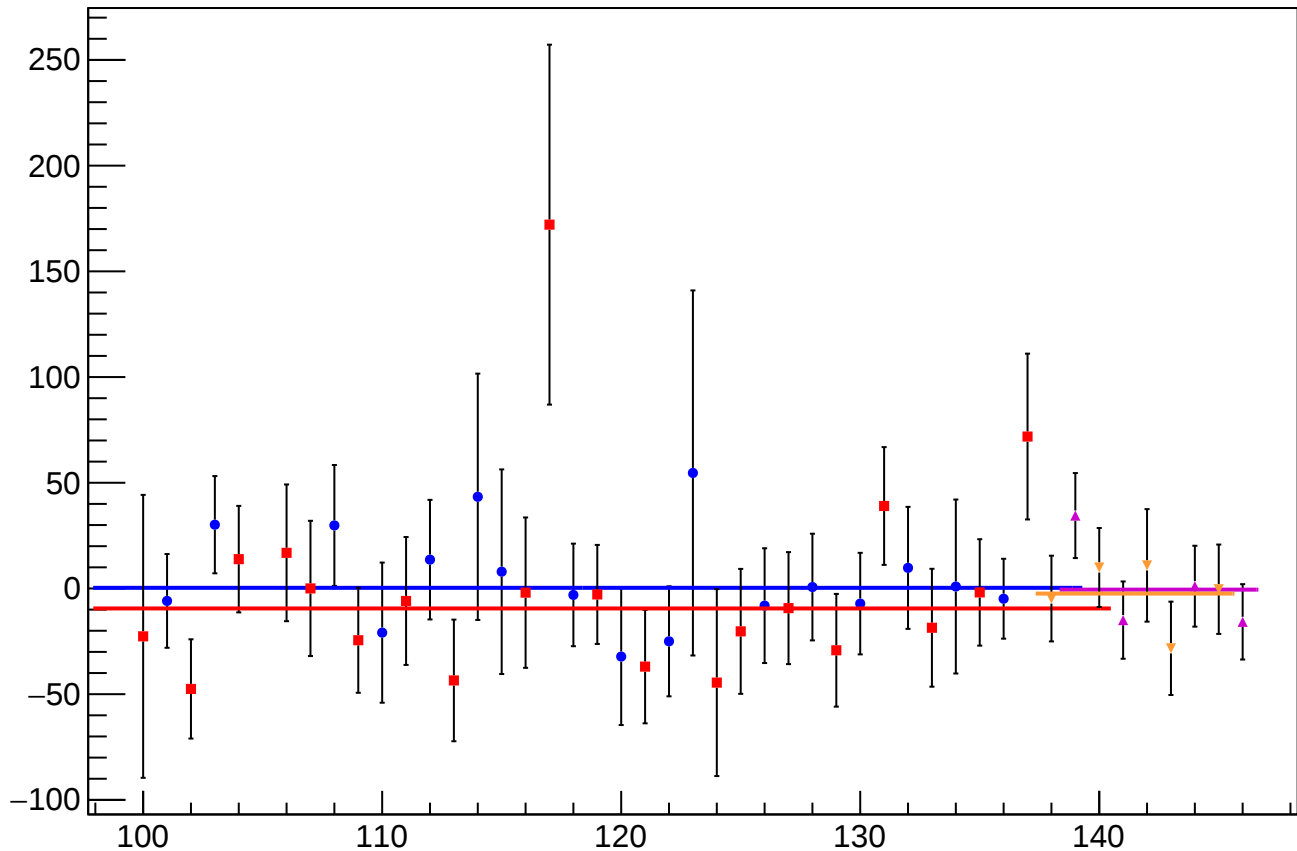
Left In: 243.435+/-0.097 χ^2/NDF :126342.4/3

208.213+/-0.049 χ^2/NDF : 1324990.7/21

197.137+/-0.033 χ^2/NDF : 3537320.8/45

188.004+/-0.044 χ^2/NDF : 2118345.2/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 $\pm$ 6.812 χ^2 /NDF: 6.8/16

Left Out: -2.418 $\pm$ 9.533 χ^2 /NDF: 2.1/4

Right Out: -9.452 $\pm$ 6.608 χ^2 /NDF: 20.6/19

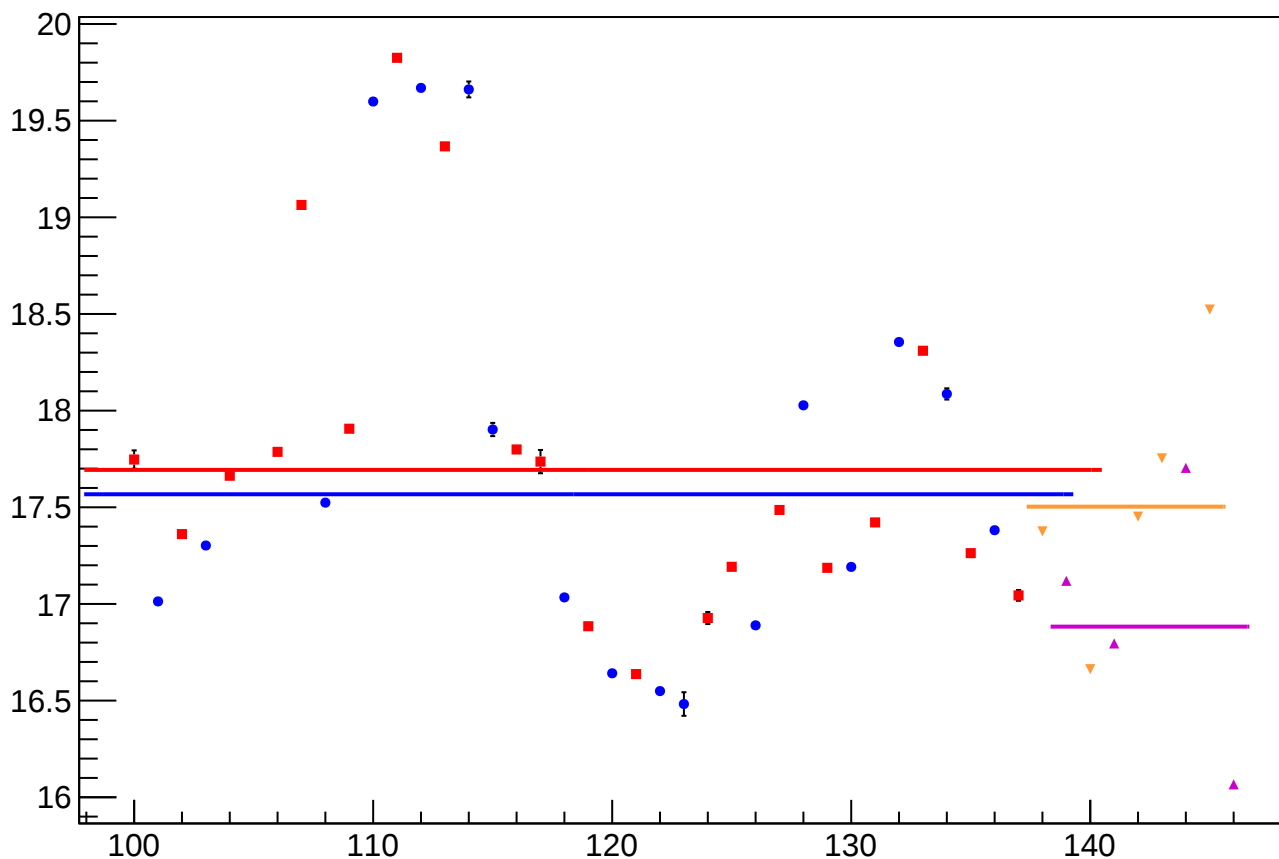
Left In: -0.550 $\pm$ 9.388 χ^2 /NDF: 4.4/3

-0.615 $\pm$ 5.543 χ^2 /NDF: 8.9/21

-3.634 $\pm$ 3.869 χ^2 /NDF: 35.1/45

-6.503 $\pm$ 5.404 χ^2 /NDF: 25.6/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567+/-0.005 χ^2/NDF : 33145.0/16

Left Out: 17.503+/-0.007 χ^2/NDF : 9054.3/4

Right Out: 17.693+/-0.005 χ^2/NDF : 30767.6/19

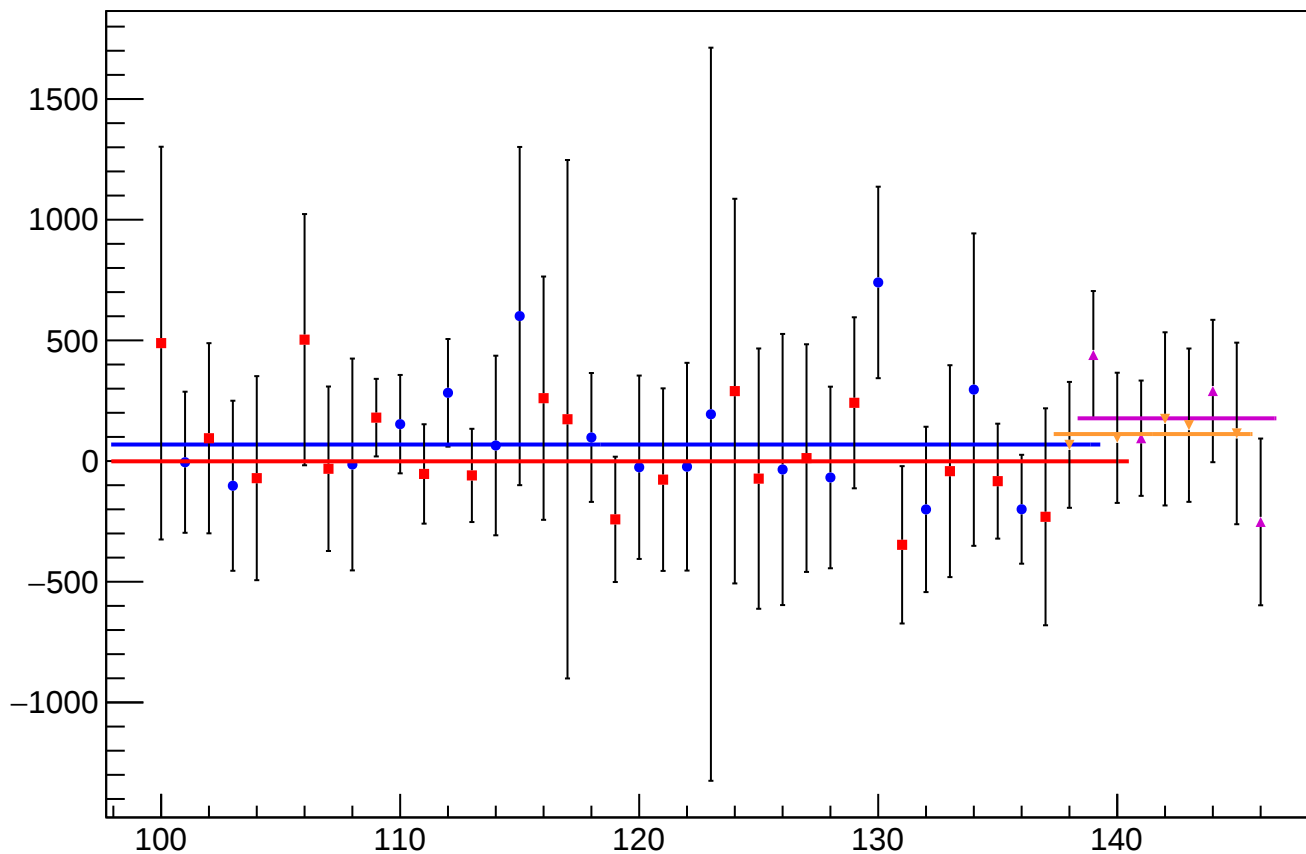
Left In: 16.883+/-0.007 χ^2/NDF : 8202.0/3

17.546+/-0.004 χ^2/NDF : 42259.0/21

17.484+/-0.003 χ^2/NDF : 91693.1/45

17.425+/-0.004 χ^2/NDF : 48946.1/23

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 111.889 $\pm$ 137.104 χ^2 /NDF:0.1/4

Right Out: -1.057 $\pm$ 71.380 χ^2 /NDF: 6.1/19

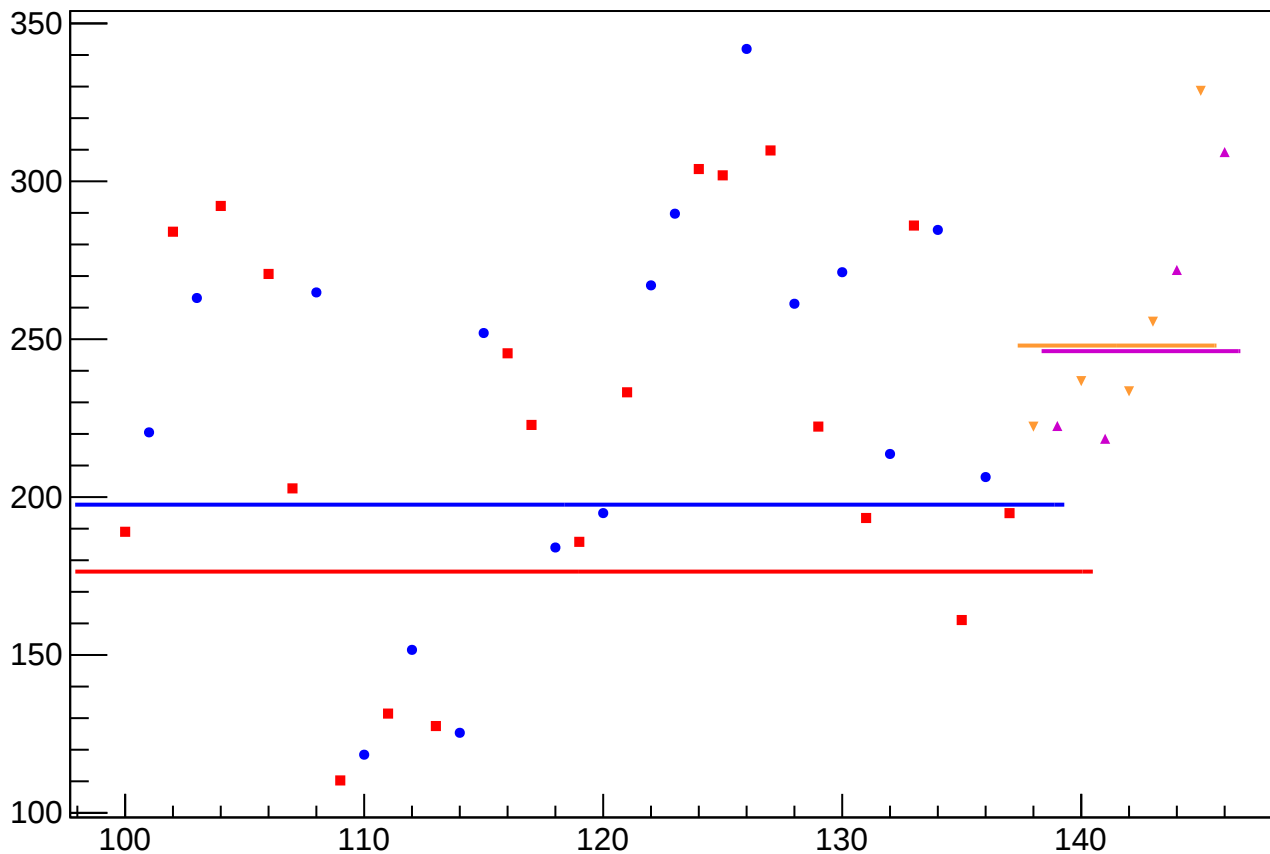
Left In: 177.075 $\pm$ 139.132 χ^2 /NDF:2.8/3

79.769 $\pm$ 69.750 χ^2 /NDF: 7.5/21

55.871 $\pm$ 46.960 χ^2 /NDF: 17.9/45

36.059 $\pm$ 63.509 χ^2 /NDF: 10.2/23

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 247.987 $\pm$ 0.097 χ^2 /NDF:119251.7/4

Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

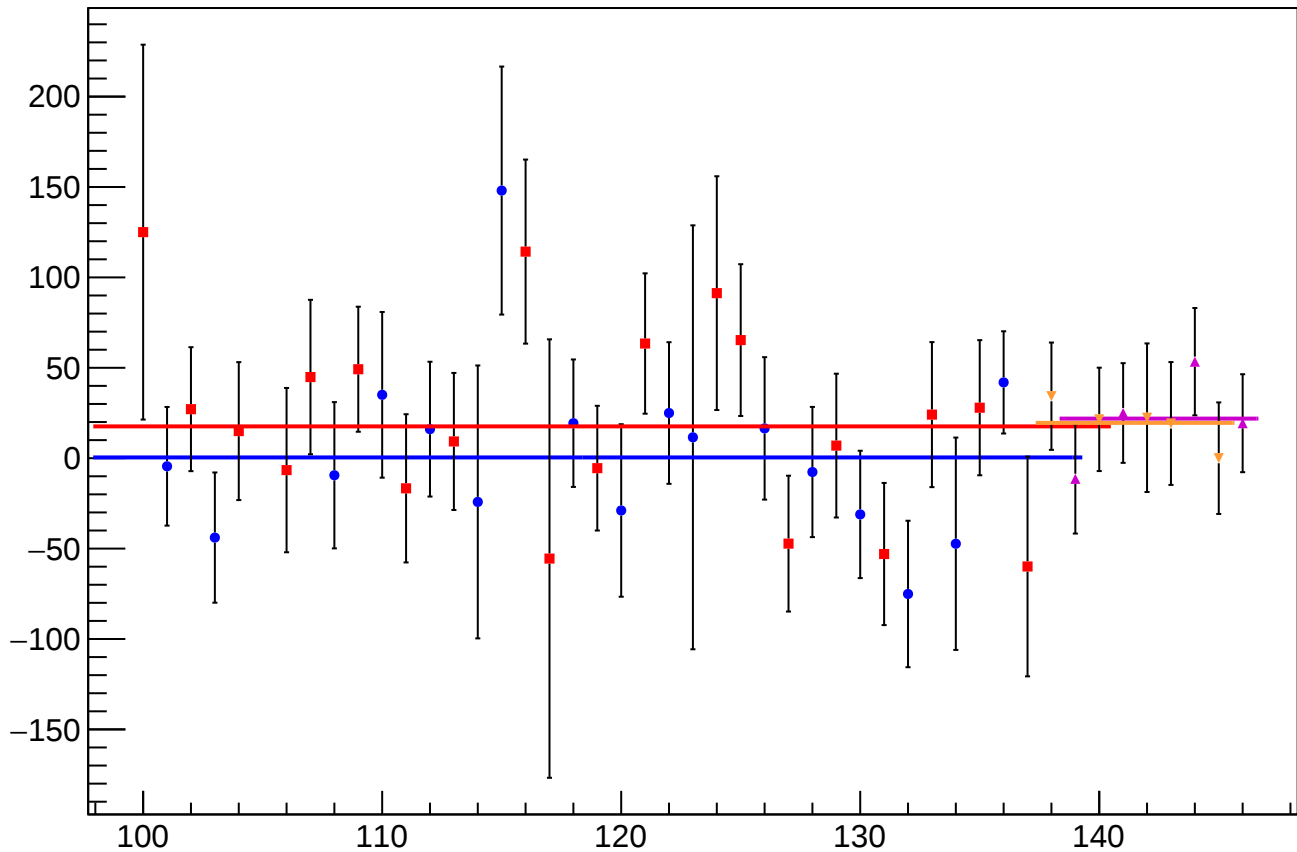
Left In: 246.218 $\pm$ 0.098 χ^2 /NDF:124822.4/3

210.644 $\pm$ 0.049 χ^2 /NDF: 1288267.0/21

199.878 $\pm$ 0.033 χ^2 /NDF: 3422423.6/45

190.953 $\pm$ 0.045 χ^2 /NDF: 2047017.3/23

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 19.538 ± 14.333 χ^2/NDF : 0.7/4

Right Out: 17.595 ± 9.470 χ^2/NDF : 19.8/19

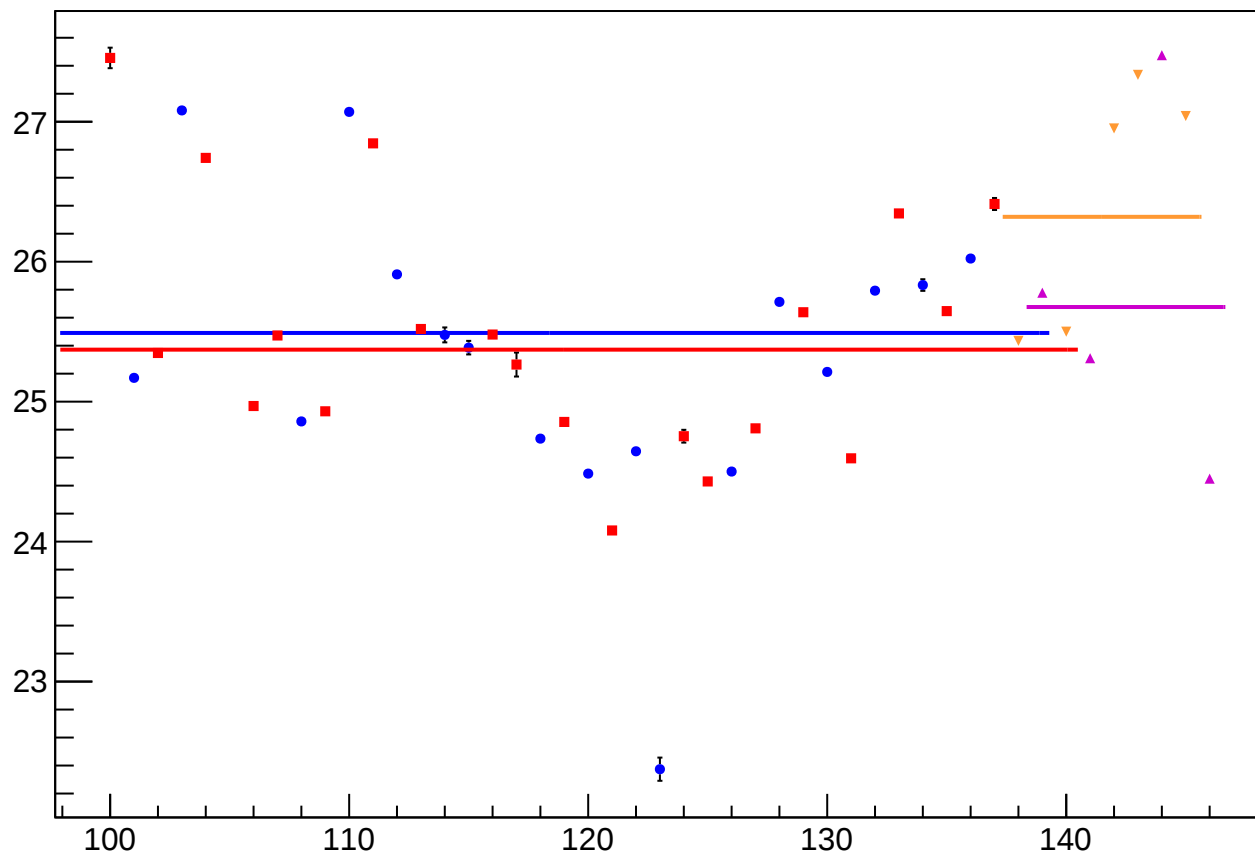
Left In: 21.899 ± 14.282 χ^2/NDF : 2.4/3

6.586 ± 8.137 χ^2/NDF : 17.3/21

12.936 ± 5.665 χ^2/NDF : 40.8/45

18.909 ± 7.892 χ^2/NDF : 22.3/23

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 26.321 $\pm$ 0.010 χ^2 /NDF:6776.2/4

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

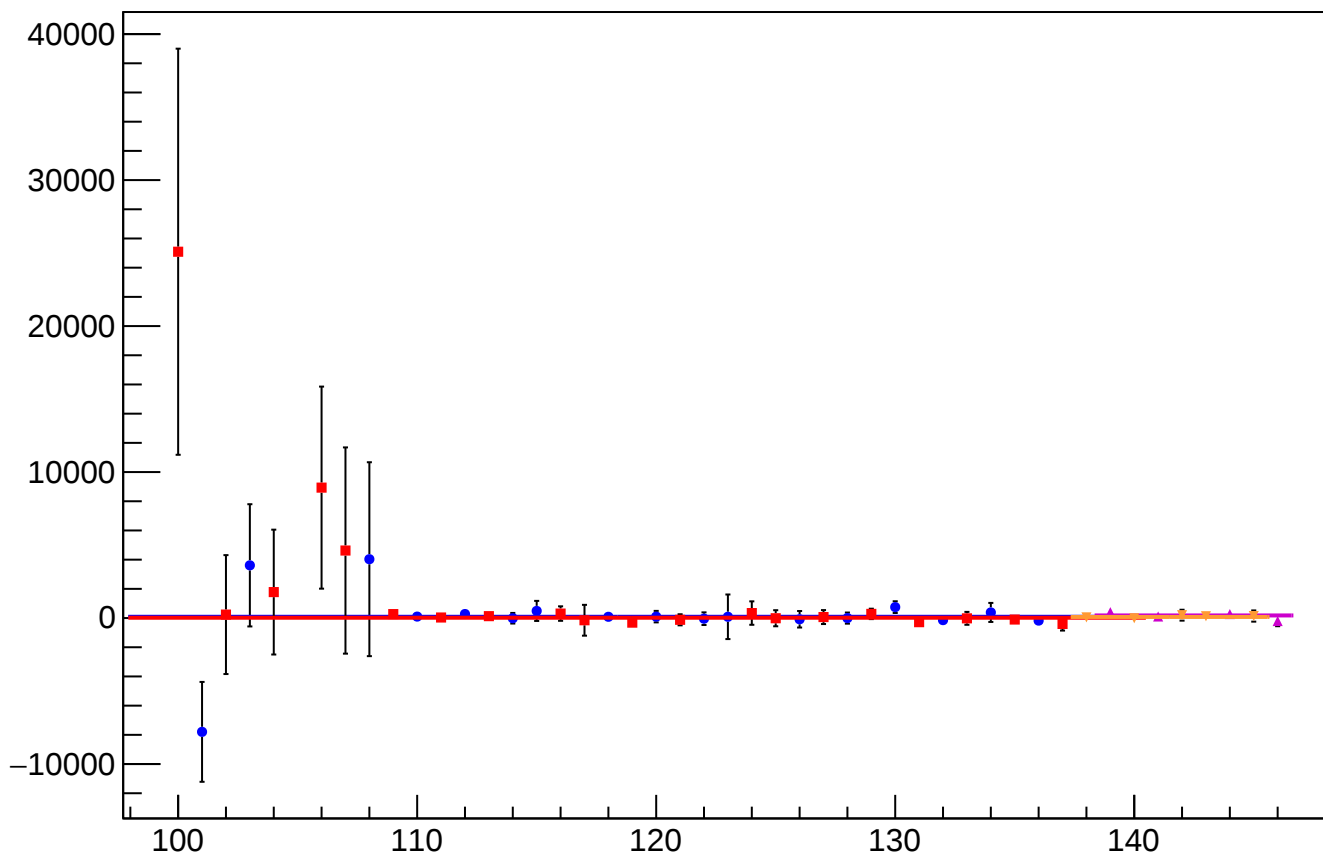
Left In: 25.676 $\pm$ 0.010 χ^2 /NDF:11815.5/3

25.758 $\pm$ 0.006 χ^2 /NDF: 25031.1/21

25.607 $\pm$ 0.004 χ^2 /NDF: 52373.2/45

25.465 $\pm$ 0.006 χ^2 /NDF: 25999.6/23

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: 75.648+/-137.786 χ^2/NDF : 0.3/4

Right Out: 22.332+/-80.711 χ^2/NDF : 11.9/19

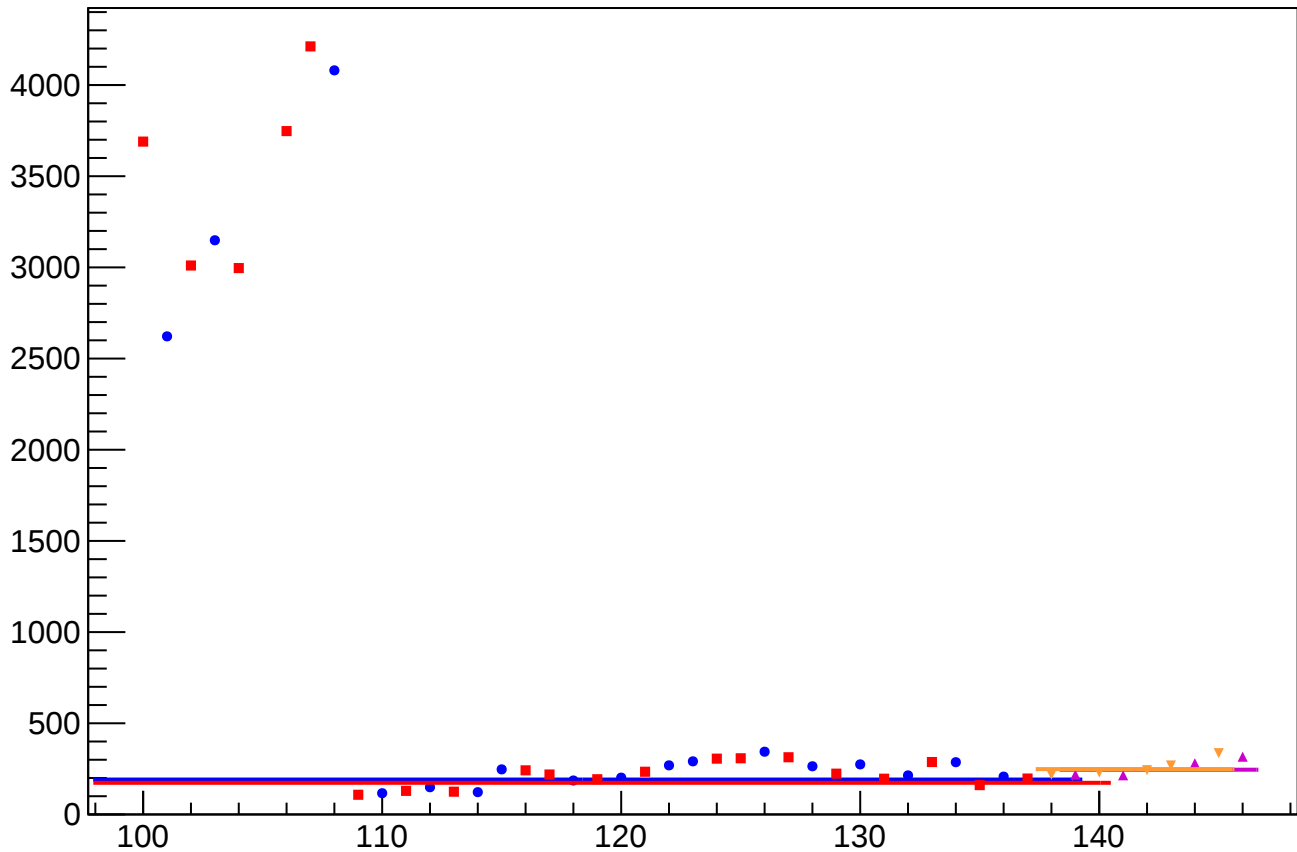
Left In: 178.660+/-139.155 χ^2/NDF : 2.1/3

83.375+/-74.417 χ^2/NDF : 12.8/21

71.839+/-50.917 χ^2/NDF : 27.8/45

61.684+/-69.818 χ^2/NDF : 15.0/23

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 248.620+/-0.097 χ^2/NDF :148524.6/4

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

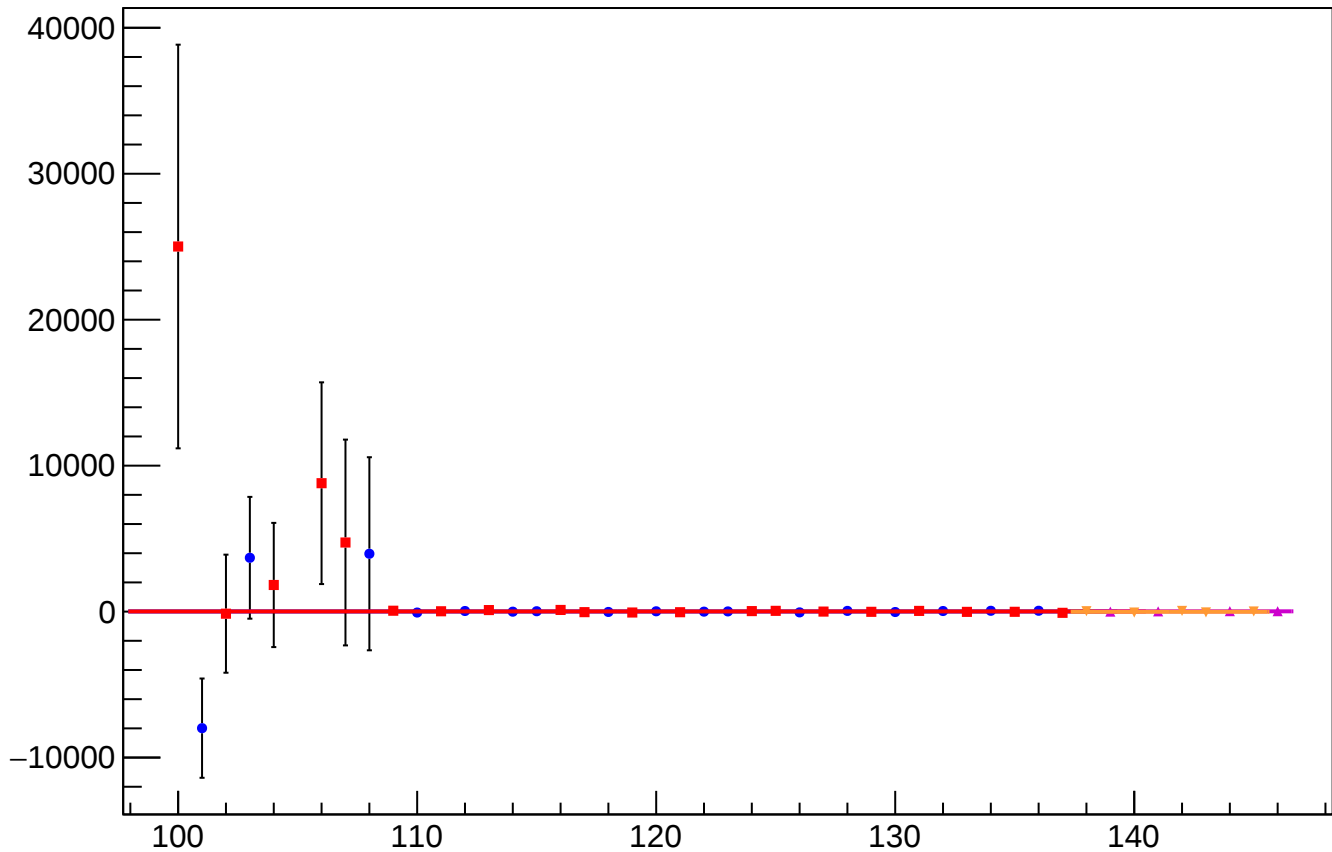
Left In: 245.422+/-0.098 χ^2/NDF :164189.2/3

208.146+/-0.053 χ^2/NDF : 3965318.9/21

199.375+/-0.036 χ^2/NDF : 8791970.6/45

191.653+/-0.049 χ^2/NDF : 4774402.6/23

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -11.179+/-16.643 χ^2/NDF : 6.8/4

Right Out: 12.296+/-12.186 χ^2/NDF : 24.9/19

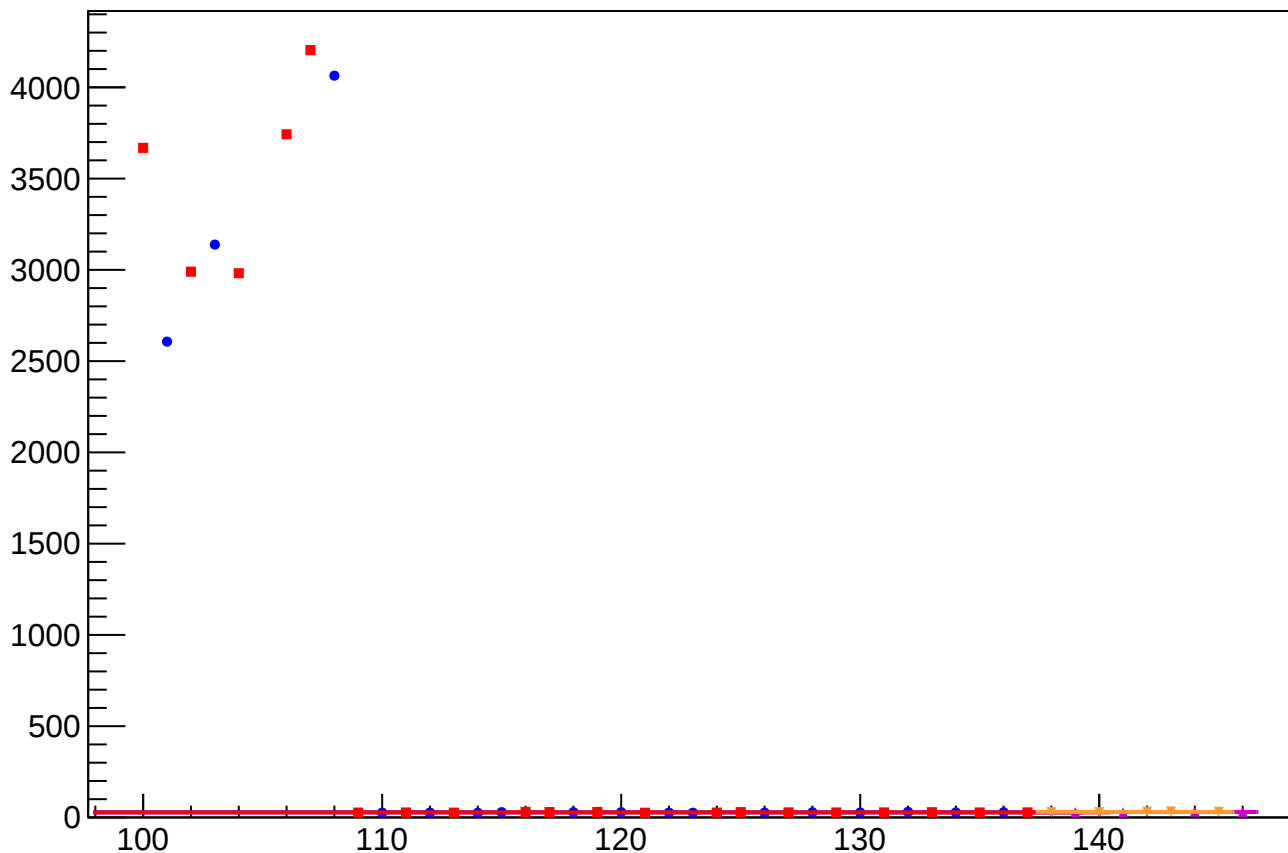
Left In: 19.343+/-16.641 χ^2/NDF : 0.5/3

2.718+/-9.883 χ^2/NDF : 26.3/21

8.768+/-6.970 χ^2/NDF : 52.6/45

14.756+/-9.832 χ^2/NDF : 25.5/23

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 30.465+/-0.012 χ^2/NDF :14964.4/4

Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

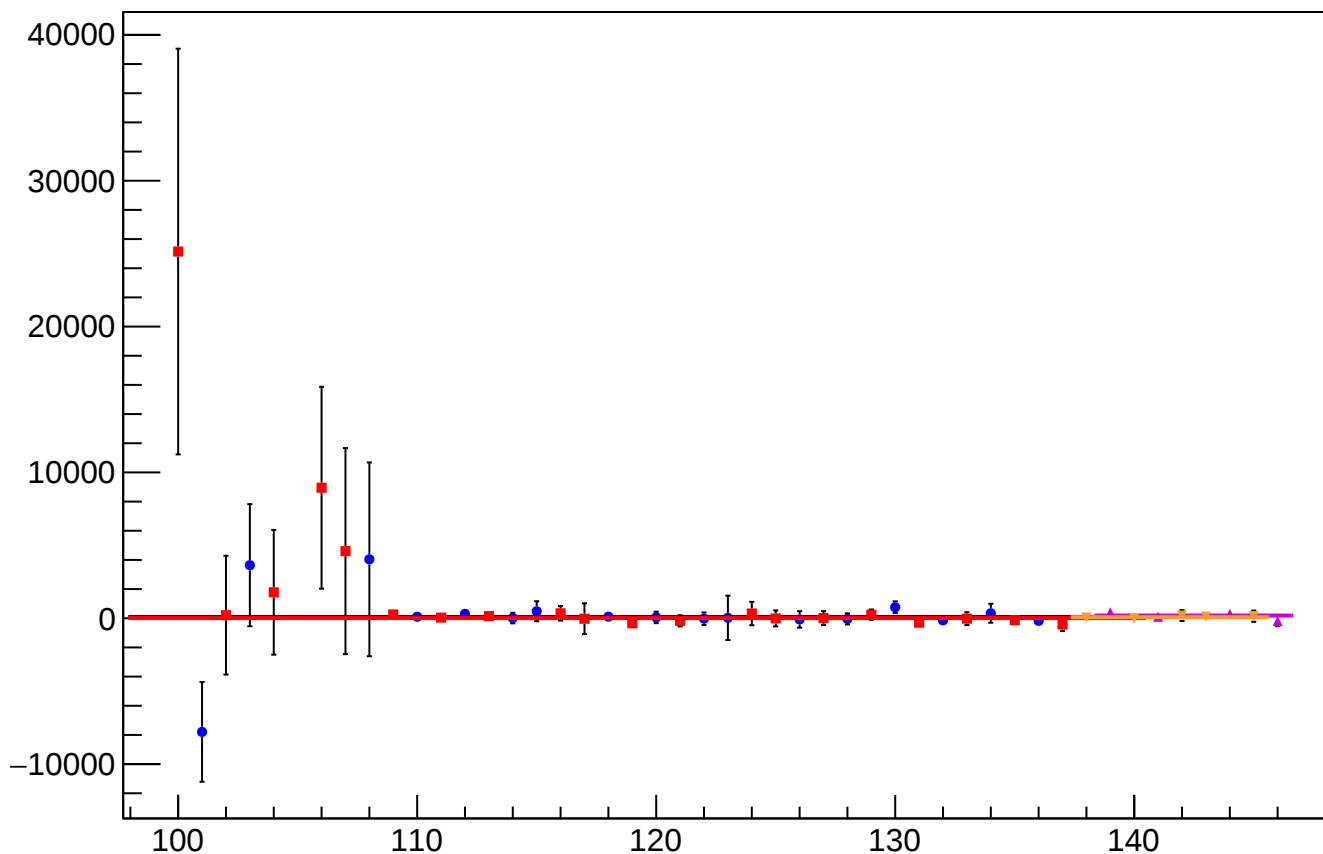
Left In: 29.877+/-0.012 χ^2/NDF :17352.0/3

28.775+/-0.007 χ^2/NDF : 3074469.9/21

28.619+/-0.005 χ^2/NDF : 6592084.2/45

28.465+/-0.007 χ^2/NDF : 3516624.9/23

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: 72.349+/-137.474 χ^2/NDF : 0.3/4

Right Out: 13.075+/-80.452 χ^2/NDF : 12.7/19

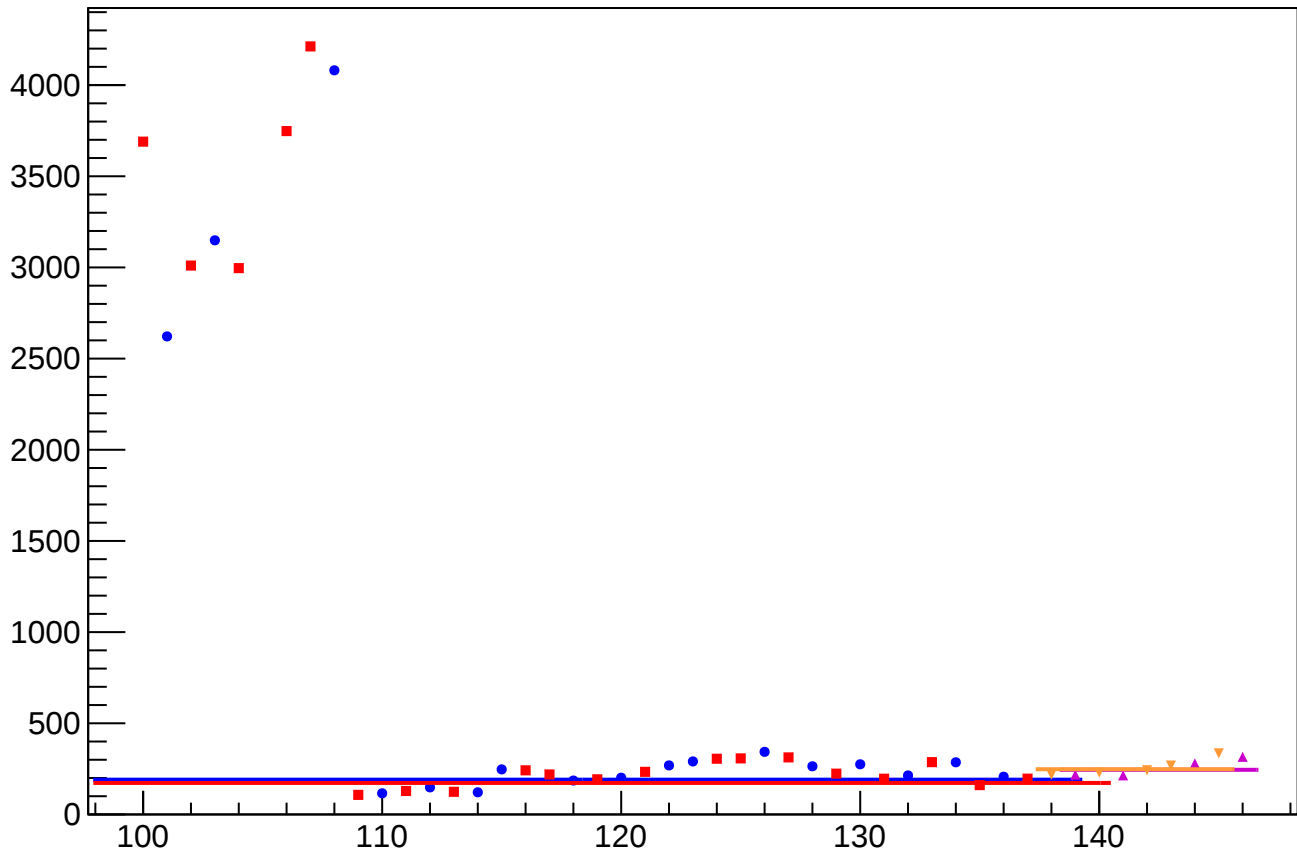
Left In: 185.500+/-138.860 χ^2/NDF : 2.1/3

85.405+/-74.205 χ^2/NDF : 13.0/21

69.982+/-50.769 χ^2/NDF : 29.1/45

56.408+/-69.613 χ^2/NDF : 15.9/23

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 248.050+/-0.097 χ^2/NDF :148888.7/4

Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

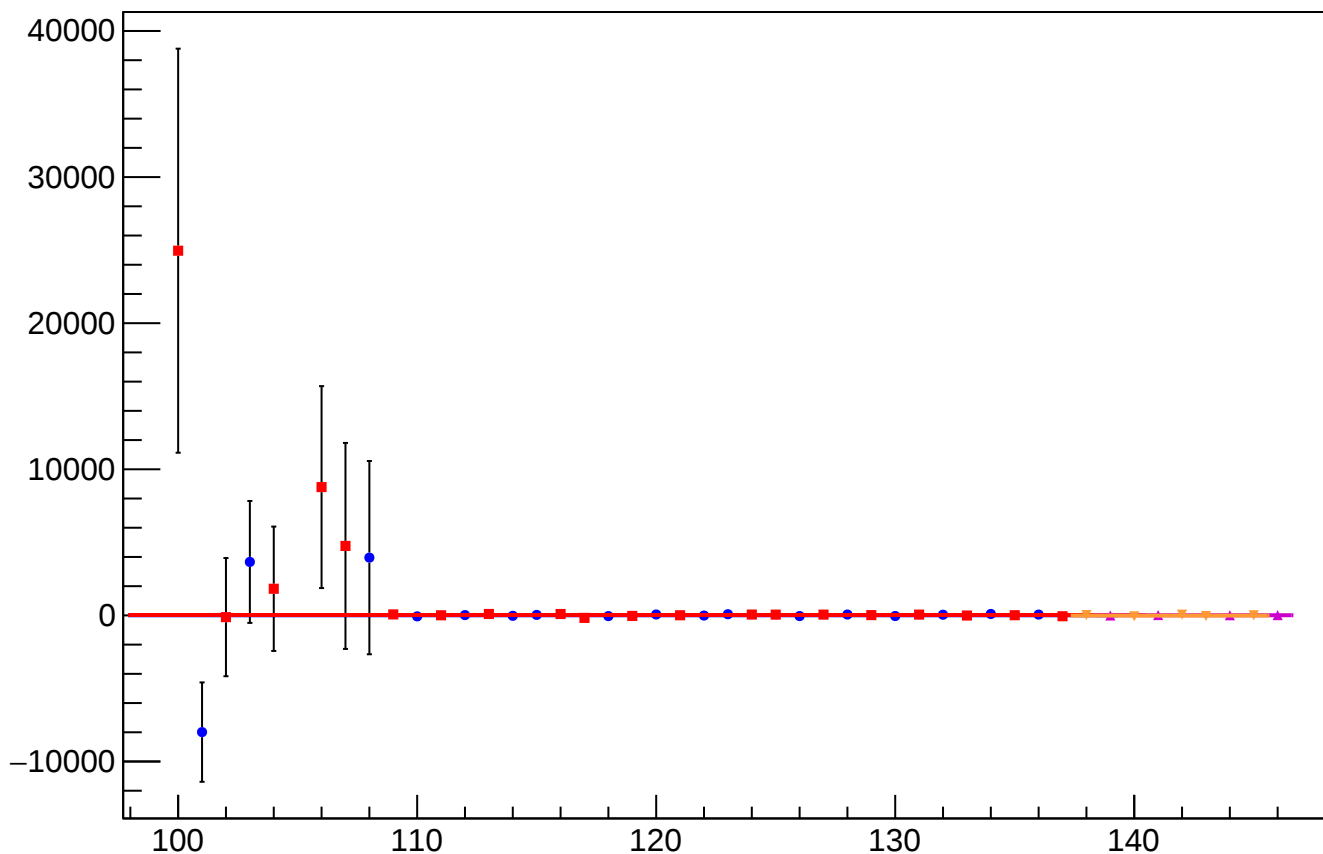
Left In: 244.902+/-0.098 χ^2/NDF :164059.2/3

207.458+/-0.052 χ^2/NDF : 3979977.4/21

198.702+/-0.036 χ^2/NDF : 8821503.3/45

190.995+/-0.049 χ^2/NDF : 4789164.9/23

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600+/-12.368 χ^2 /NDF: 23.2/16

Left Out: -11.527+/-16.743 χ^2 /NDF: 6.0/4

Right Out: 27.898+/-12.287 χ^2 /NDF: 18.8/19

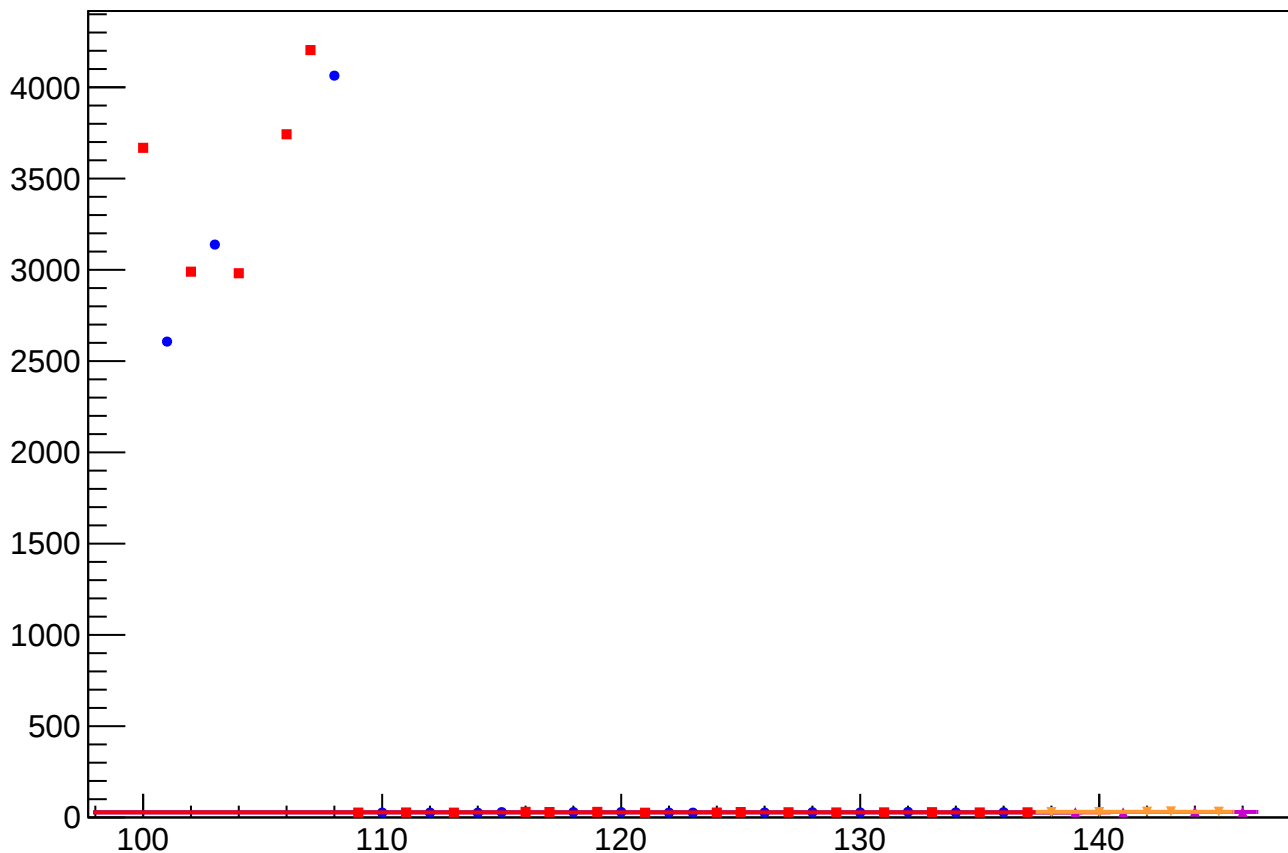
Left In: 11.824+/-16.742 χ^2 /NDF: 0.4/3

1.495+/-9.948 χ^2 /NDF: 30.1/21

11.927+/-7.019 χ^2 /NDF: 52.1/45

22.272+/-9.906 χ^2 /NDF: 19.8/23

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.044+/-0.009 χ^2 /NDF: 3027898.7/16

Left Out: 30.643+/-0.012 χ^2 /NDF:15329.8/4

Right Out: 27.930+/-0.009 χ^2 /NDF: 3479947.6/19

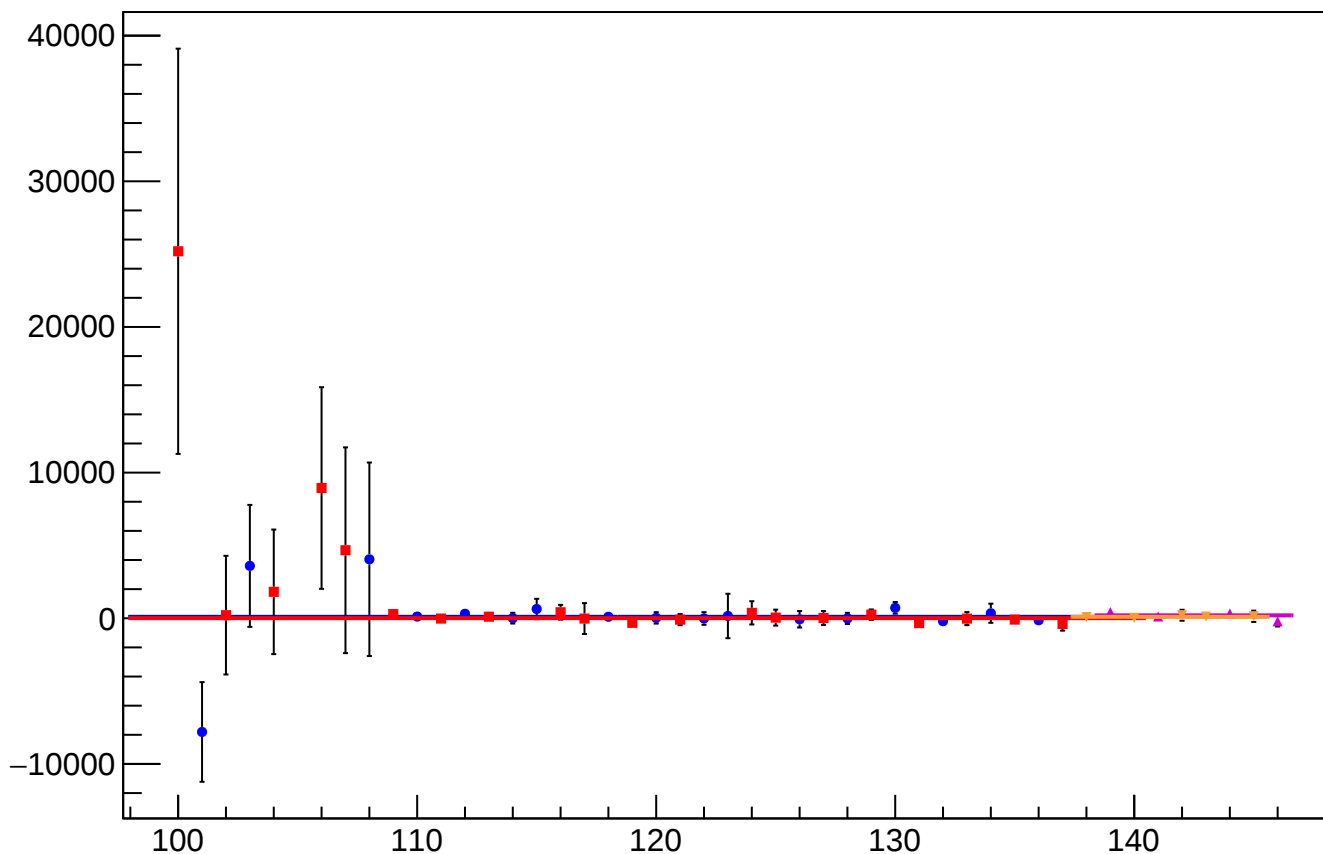
Left In: 30.053+/-0.012 χ^2 /NDF:18937.1/3

28.961+/-0.007 χ^2 /NDF: 3074412.8/21

28.817+/-0.005 χ^2 /NDF: 6595036.3/45

28.673+/-0.007 χ^2 /NDF: 3519779.1/23

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: 95.348+/-139.373 χ^2/NDF : 0.2/4

Right Out: 11.533+/-81.530 χ^2/NDF : 12.3/19

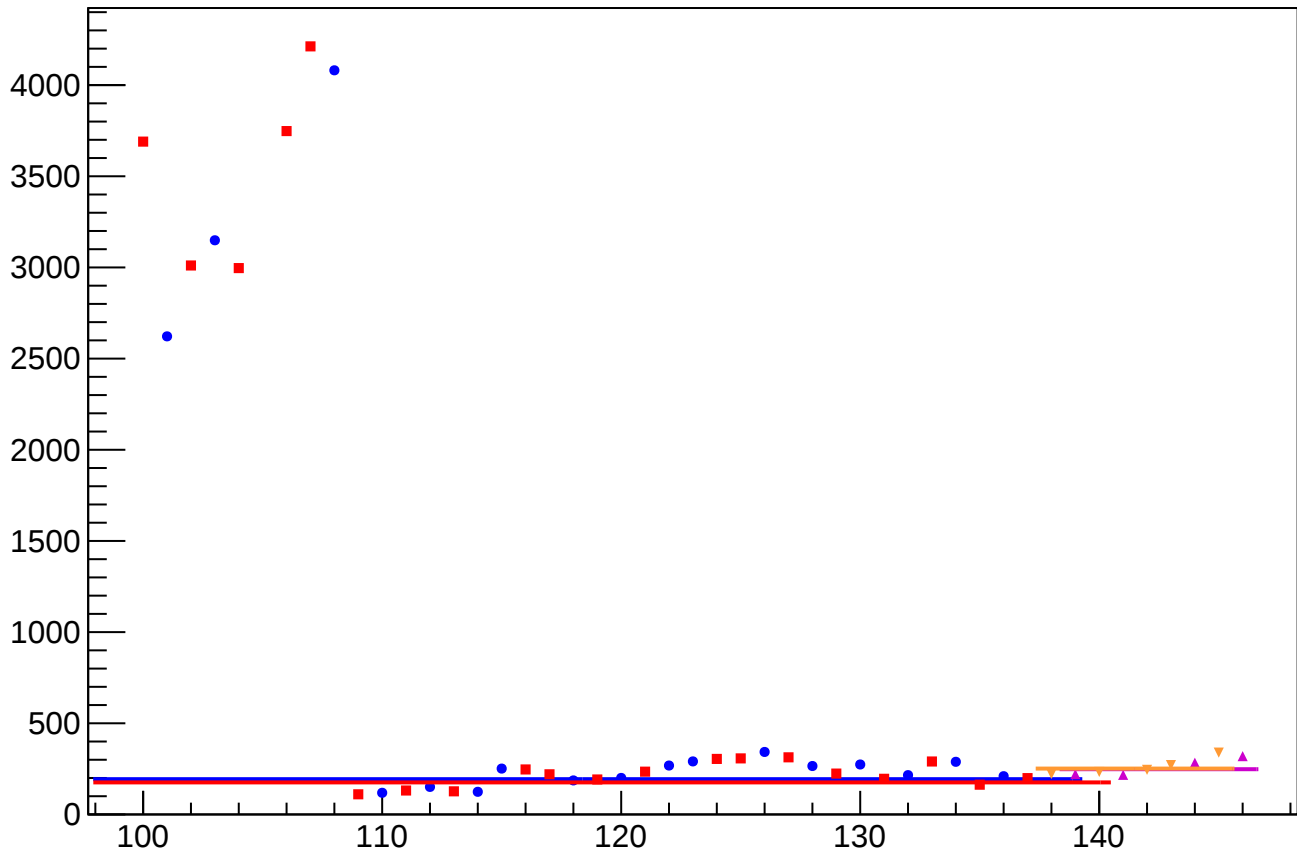
Left In: 200.908+/-140.667 χ^2/NDF : 2.3/3

97.330+/-75.132 χ^2/NDF : 12.7/21

77.039+/-51.426 χ^2/NDF : 28.8/45

59.154+/-70.539 χ^2/NDF : 16.0/23

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516 $\pm$ 0.063 χ^2 /NDF: 3536947.8/16

Left Out: 251.567 $\pm$ 0.099 χ^2 /NDF: 145448.8/4

Right Out: 175.774 $\pm$ 0.058 χ^2 /NDF: 4169115.6/19

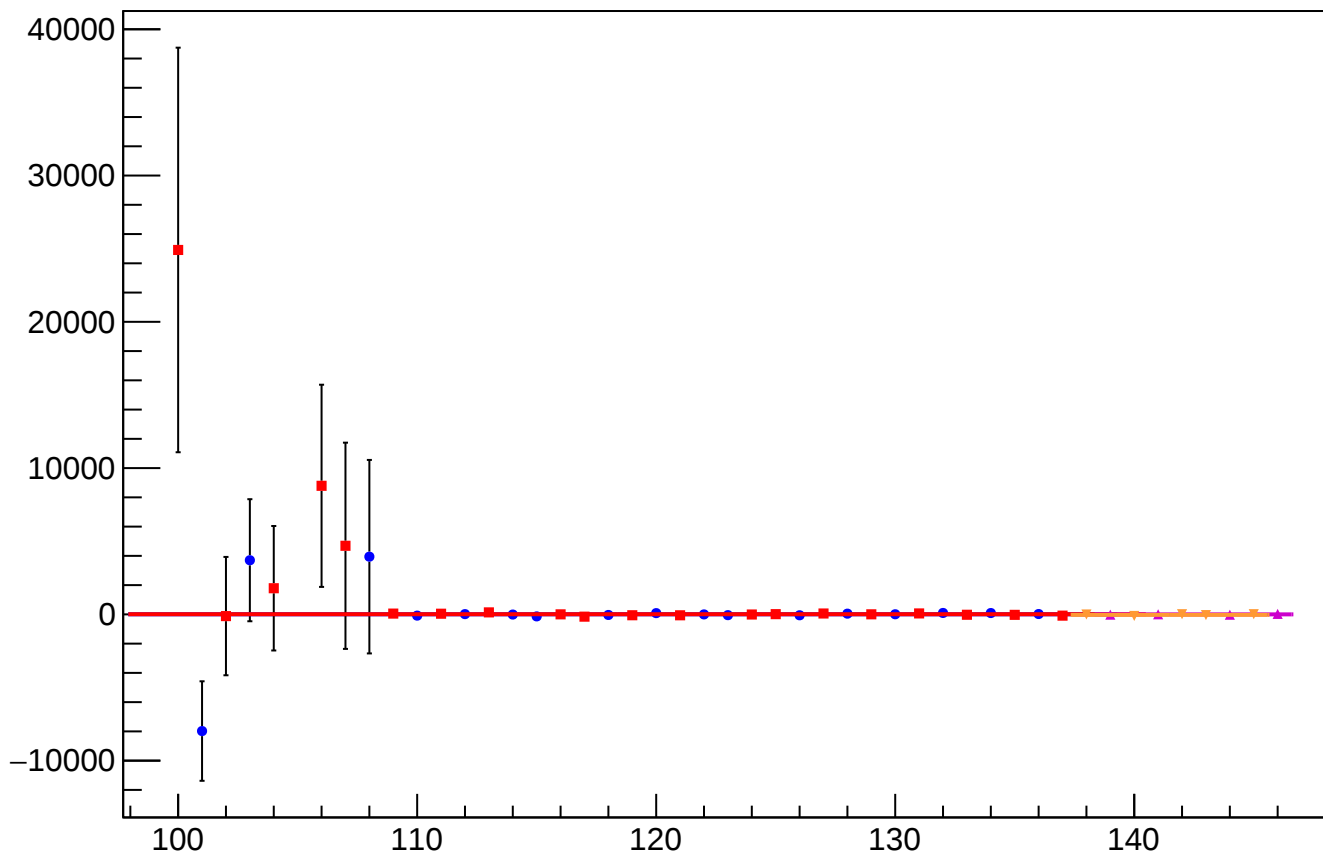
Left In: 248.156 $\pm$ 0.099 χ^2 /NDF: 162291.2/3

210.386 $\pm$ 0.053 χ^2 /NDF: 3928538.0/21

201.663 $\pm$ 0.036 χ^2 /NDF: 8707054.3/45

193.975 $\pm$ 0.050 χ^2 /NDF: 4727800.5/23

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -32.719 $\pm$ 19.851 χ^2 /NDF: 5.7/4

Right Out: 10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

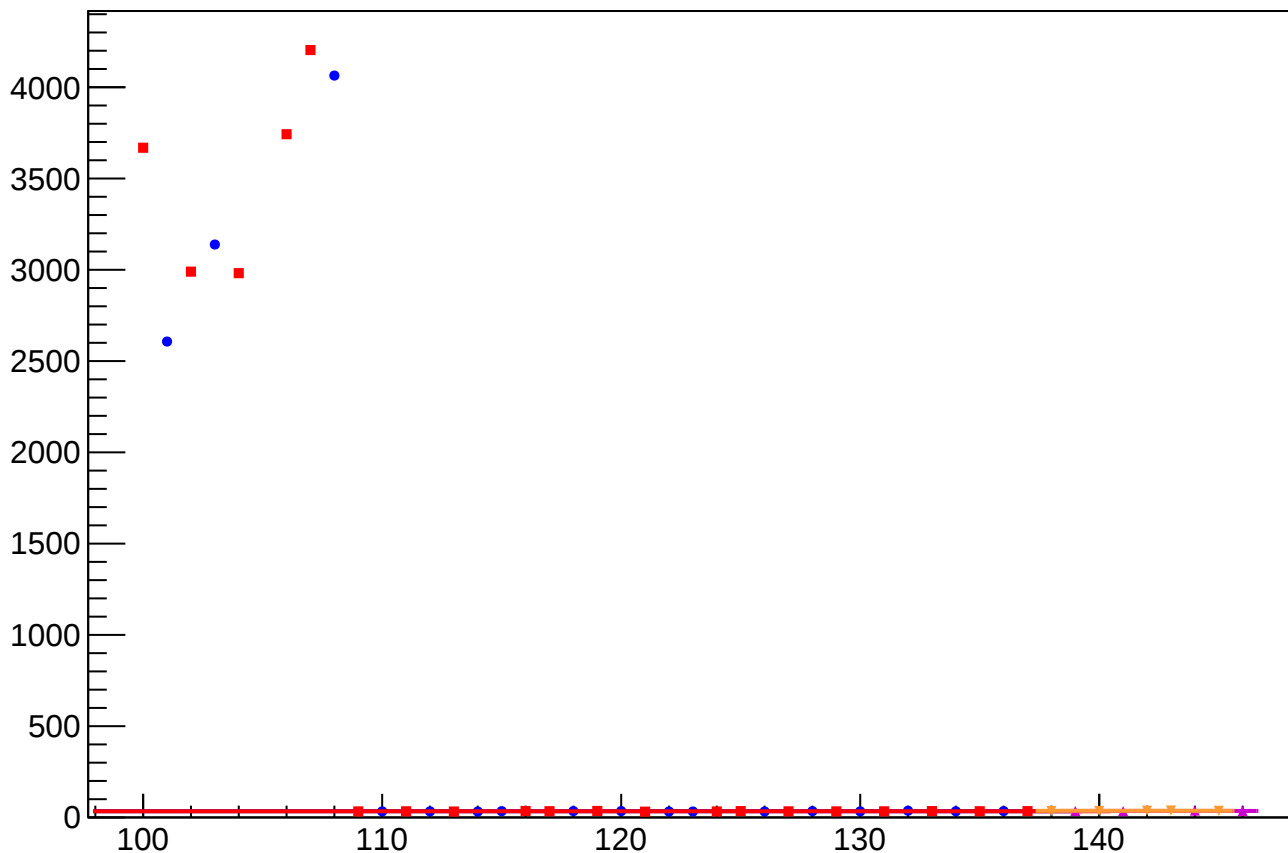
Left In: 0.373 $\pm$ 19.844 χ^2 /NDF: 1.3/3

-8.411 $\pm$ 11.994 χ^2 /NDF: 28.5/21

-0.638 $\pm$ 8.451 χ^2 /NDF: 53.8/45

7.028 $\pm$ 11.910 χ^2 /NDF: 24.5/23

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168+/-0.011 χ^2 /NDF: 3006512.8/16

Left Out: 36.414+/-0.014 χ^2 /NDF:4659.0/4

Right Out: 33.916+/-0.011 χ^2 /NDF: 3451921.6/19

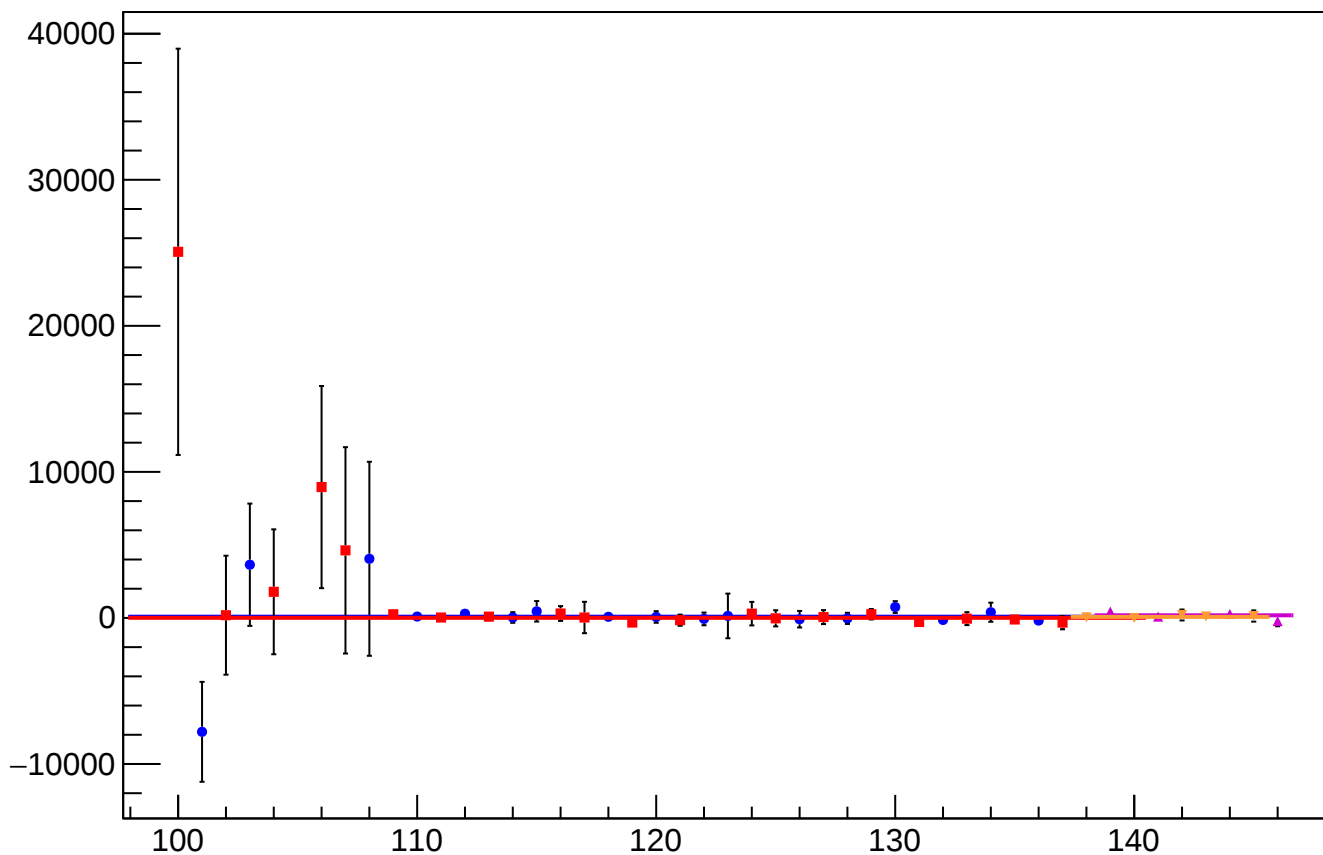
Left In: 35.690+/-0.014 χ^2 /NDF:5989.3/3

34.988+/-0.008 χ^2 /NDF: 3027436.3/21

34.770+/-0.006 χ^2 /NDF: 6496892.1/45

34.555+/-0.008 χ^2 /NDF: 3468144.9/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: 72.186+/-138.189 χ^2/NDF : 0.3/4

Right Out: 8.682+/-81.026 χ^2/NDF : 11.1/19

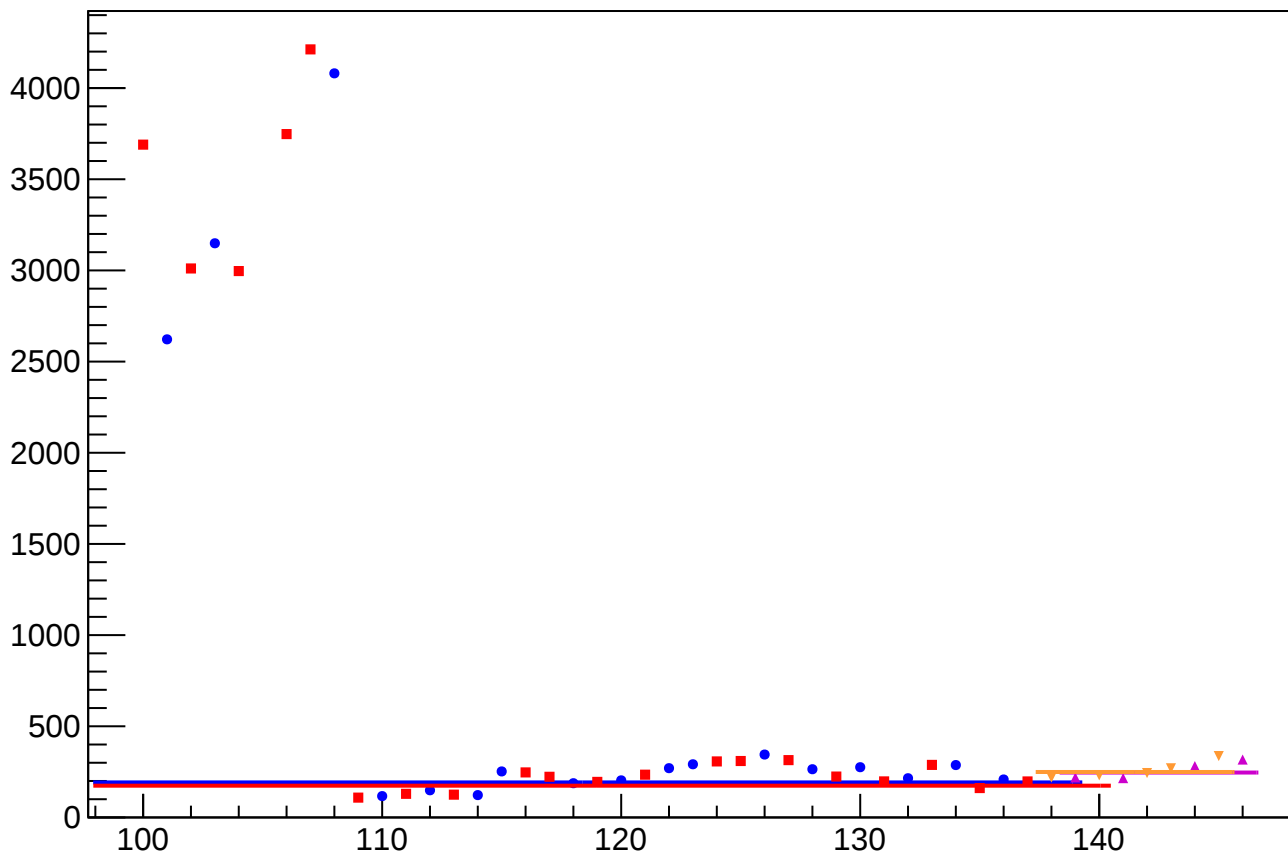
Left In: 180.401+/-139.632 χ^2/NDF : 2.4/3

80.907+/-74.673 χ^2/NDF : 12.8/21

65.505+/-51.101 χ^2/NDF : 27.5/45

51.938+/-70.081 χ^2/NDF : 14.6/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 249.353+/-0.098 χ^2/NDF :148479.5/4

Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

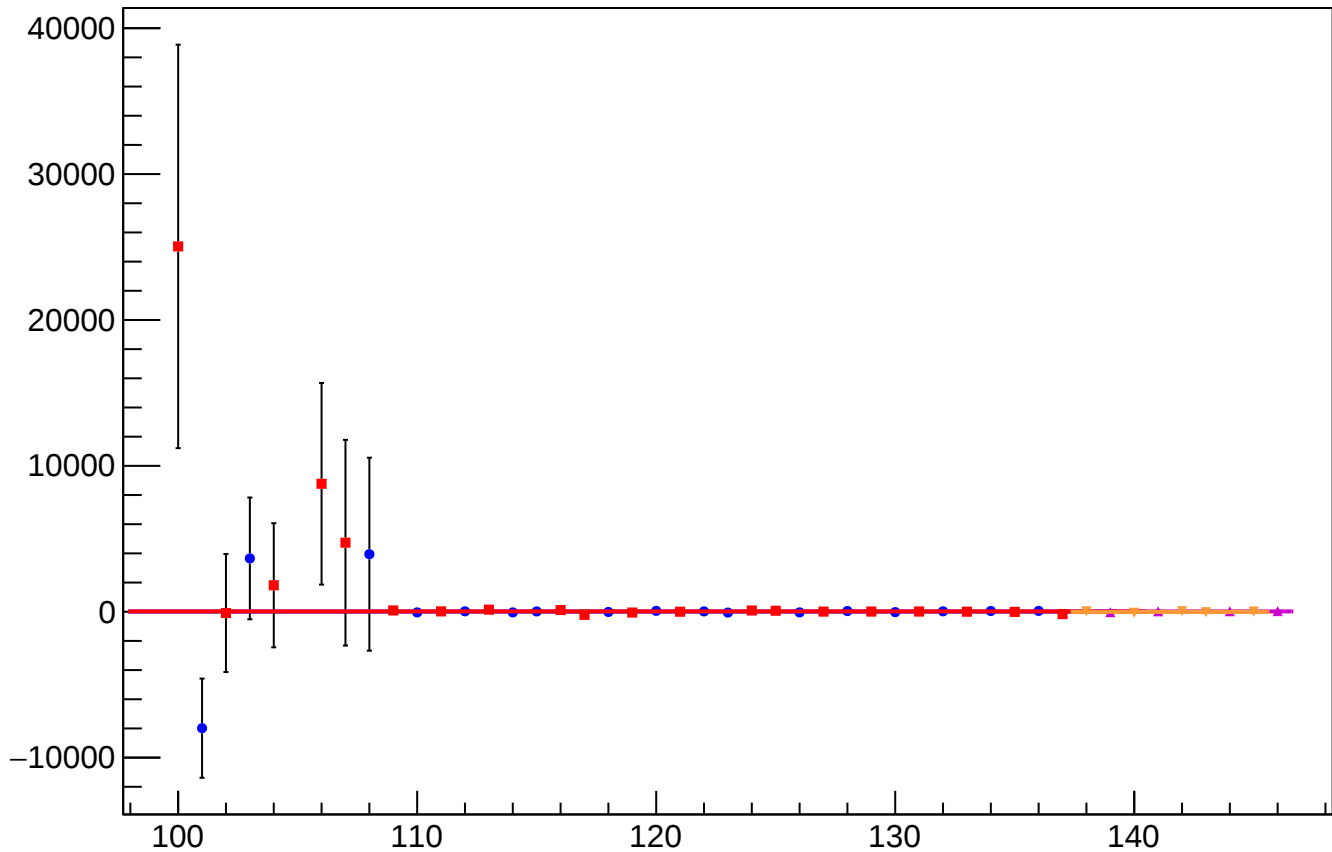
Left In: 246.298+/-0.099 χ^2/NDF :162861.0/3

208.872+/-0.053 χ^2/NDF : 3965504.9/21

200.110+/-0.036 χ^2/NDF : 8794393.6/45

192.391+/-0.050 χ^2/NDF : 4777088.5/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -11.090+/-18.290 χ^2/NDF : 5.2/4

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

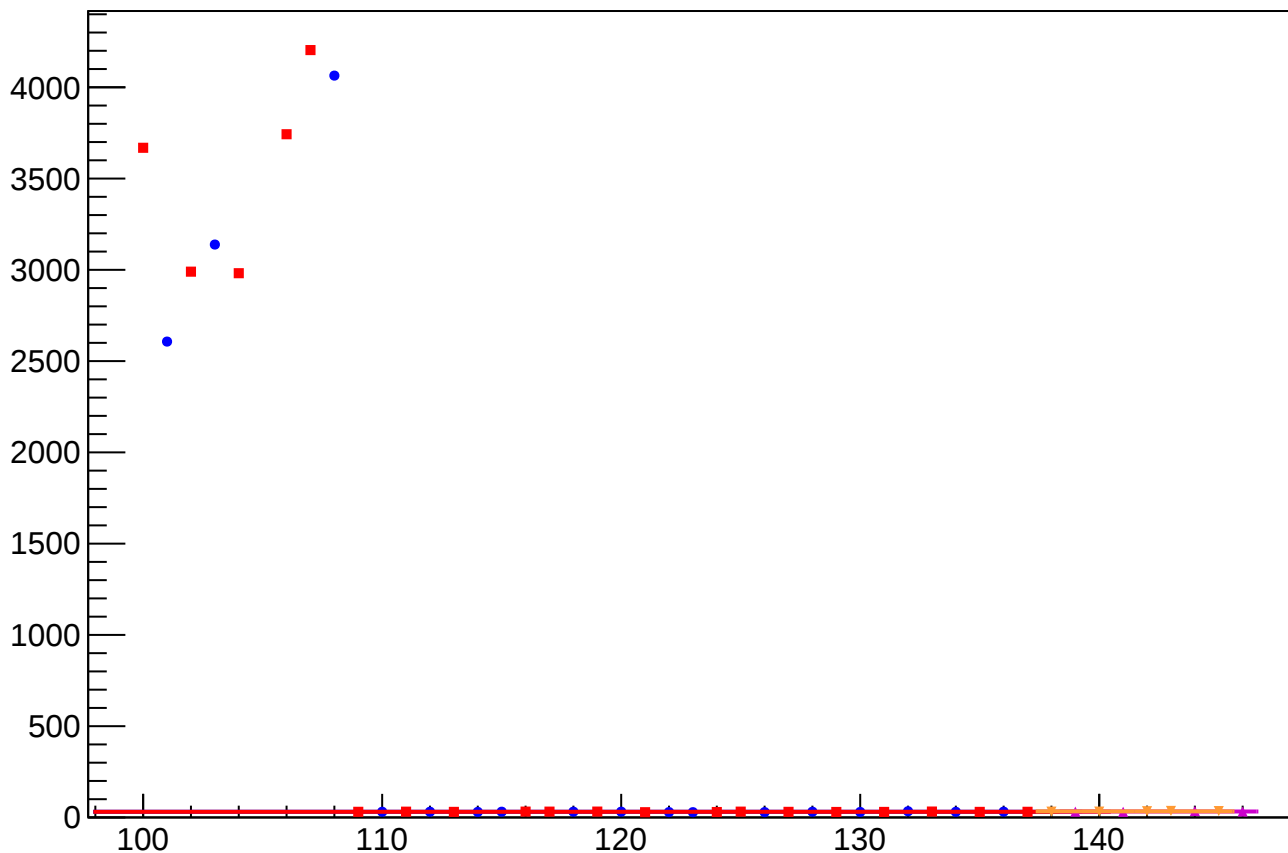
Left In: 22.614+/-18.171 χ^2/NDF : 2.5/3

4.164+/-10.977 χ^2/NDF : 20.9/21

12.856+/-7.731 χ^2/NDF : 55.0/45

21.413+/-10.891 χ^2/NDF : 32.9/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 33.503+/-0.013 χ^2/NDF :15159.9/4

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

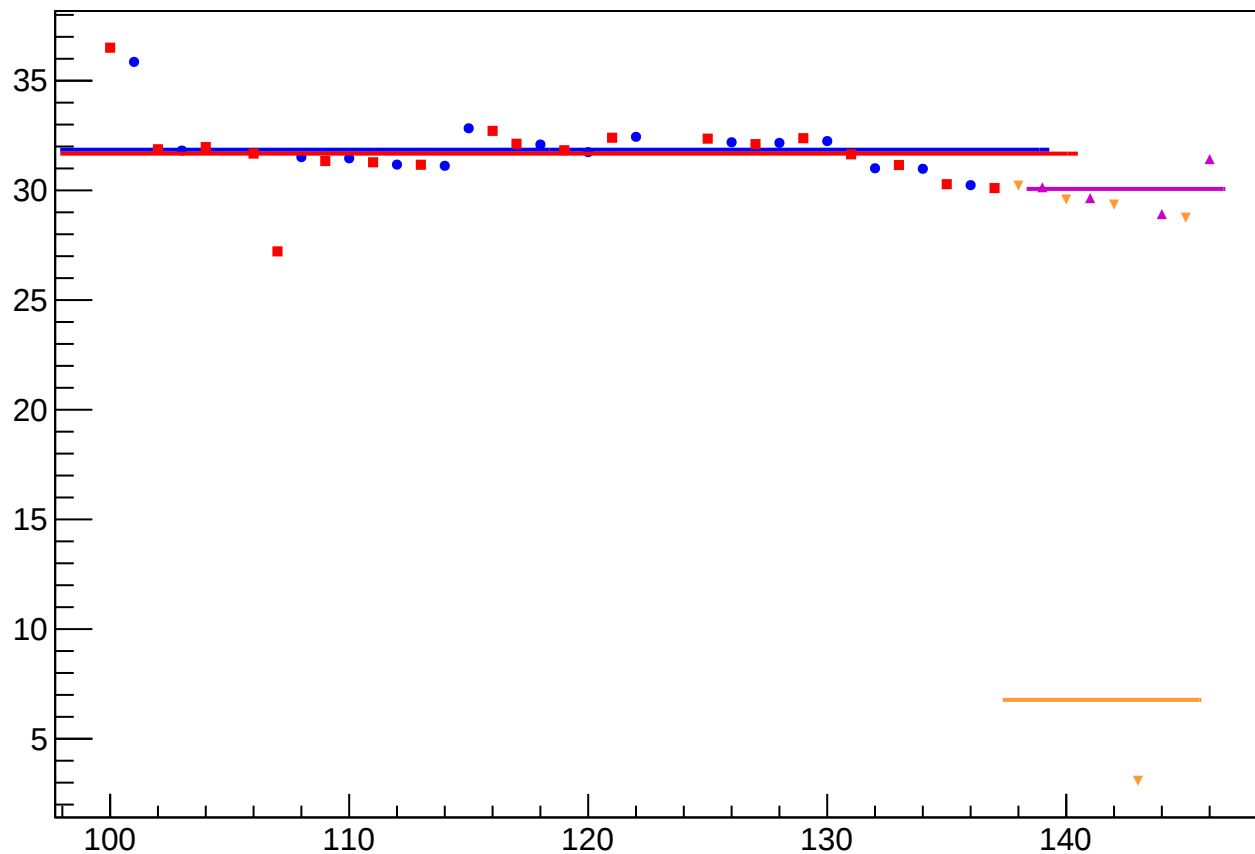
Left In: 32.649+/-0.013 χ^2/NDF :14257.4/3

31.999+/-0.008 χ^2/NDF : 3050797.5/21

31.785+/-0.005 χ^2/NDF : 6536520.1/45

31.573+/-0.008 χ^2/NDF : 3484203.8/23

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855 ± 0.000 χ^2/NDF : 1570522165.5/15

Left Out: 6.774 ± 0.000 χ^2/NDF : 175828829935.6/4

Right Out: 31.676 ± 0.000 χ^2/NDF : 919678295.7/18

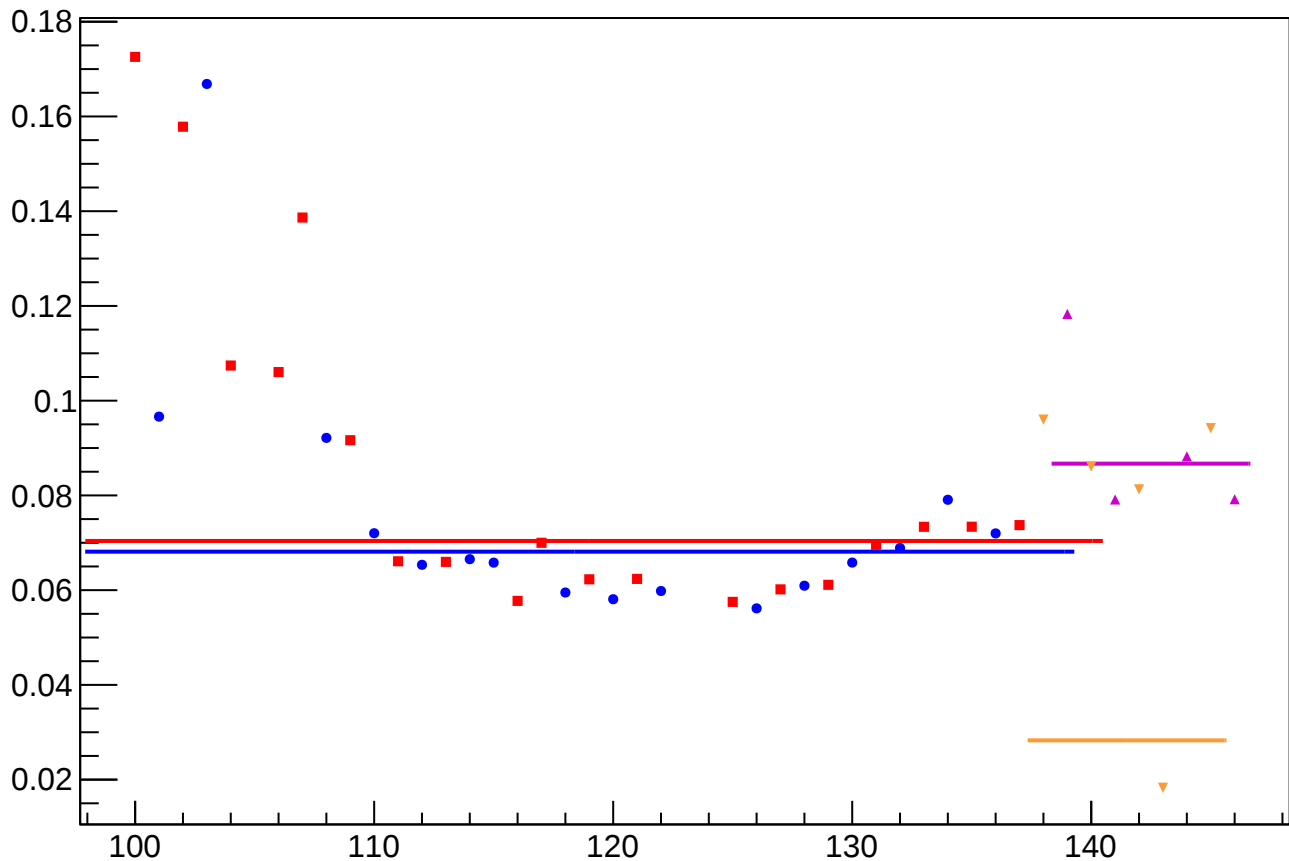
Left In: 30.067 ± 0.000 χ^2/NDF : 362846615.6/3

16.110 ± 0.000 χ^2/NDF : 668519646604.8/20

20.984 ± 0.000 χ^2/NDF : 917755353100.4

31.291 ± 0.000 χ^2/NDF : 2025980080.6/22

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.028 $\pm$ 0.000 χ^2/NDF : 2599850.0/4

Right Out: 0.070 $\pm$ 0.000 χ^2/NDF : 841322.7/18

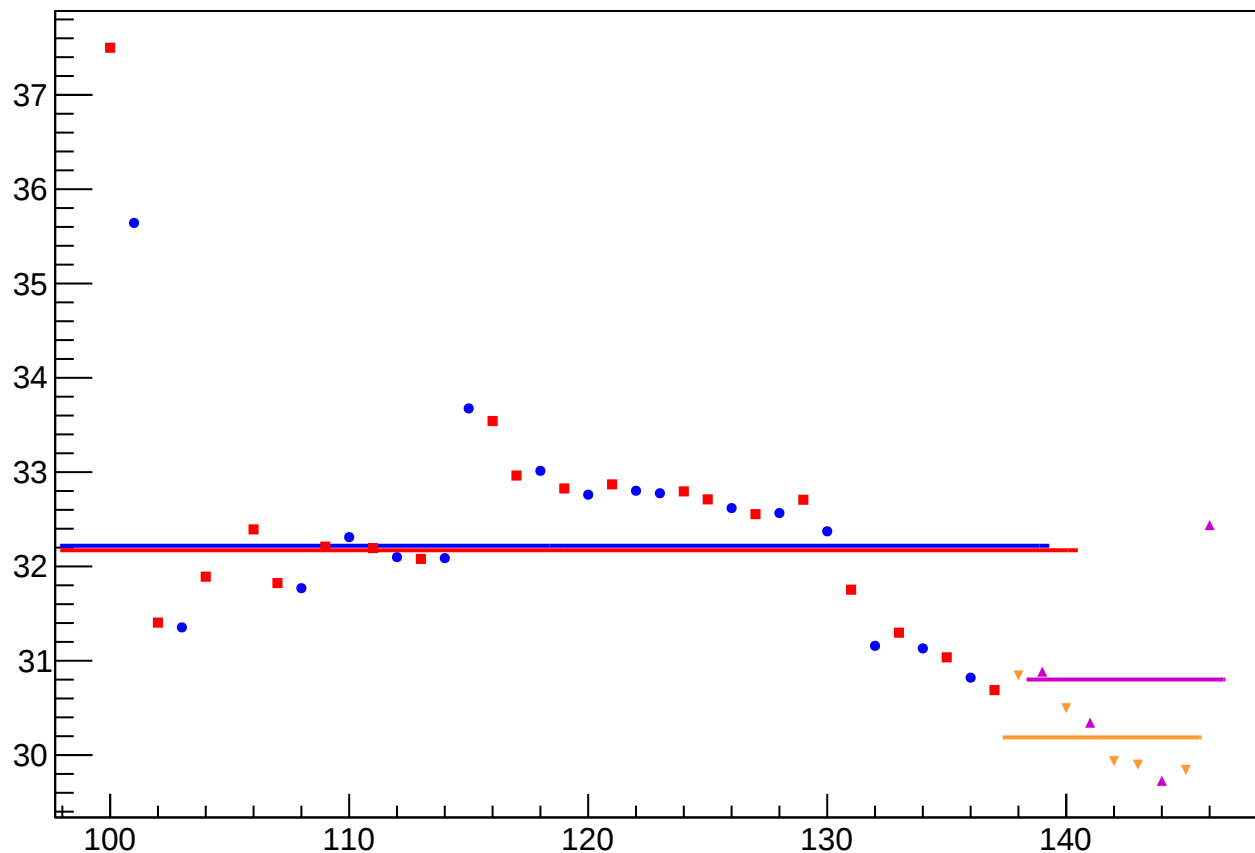
Left In: 0.087 $\pm$ 0.000 χ^2/NDF : 125771.1/3

0.043 $\pm$ 0.000 χ^2/NDF : 5707279.7/20

0.053 $\pm$ 0.000 χ^2/NDF : 8910556.9/43

0.074 $\pm$ 0.000 χ^2/NDF : 1120115.8/22

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 30.187+/-0.000 χ^2/NDF : 67116943.0/4

Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

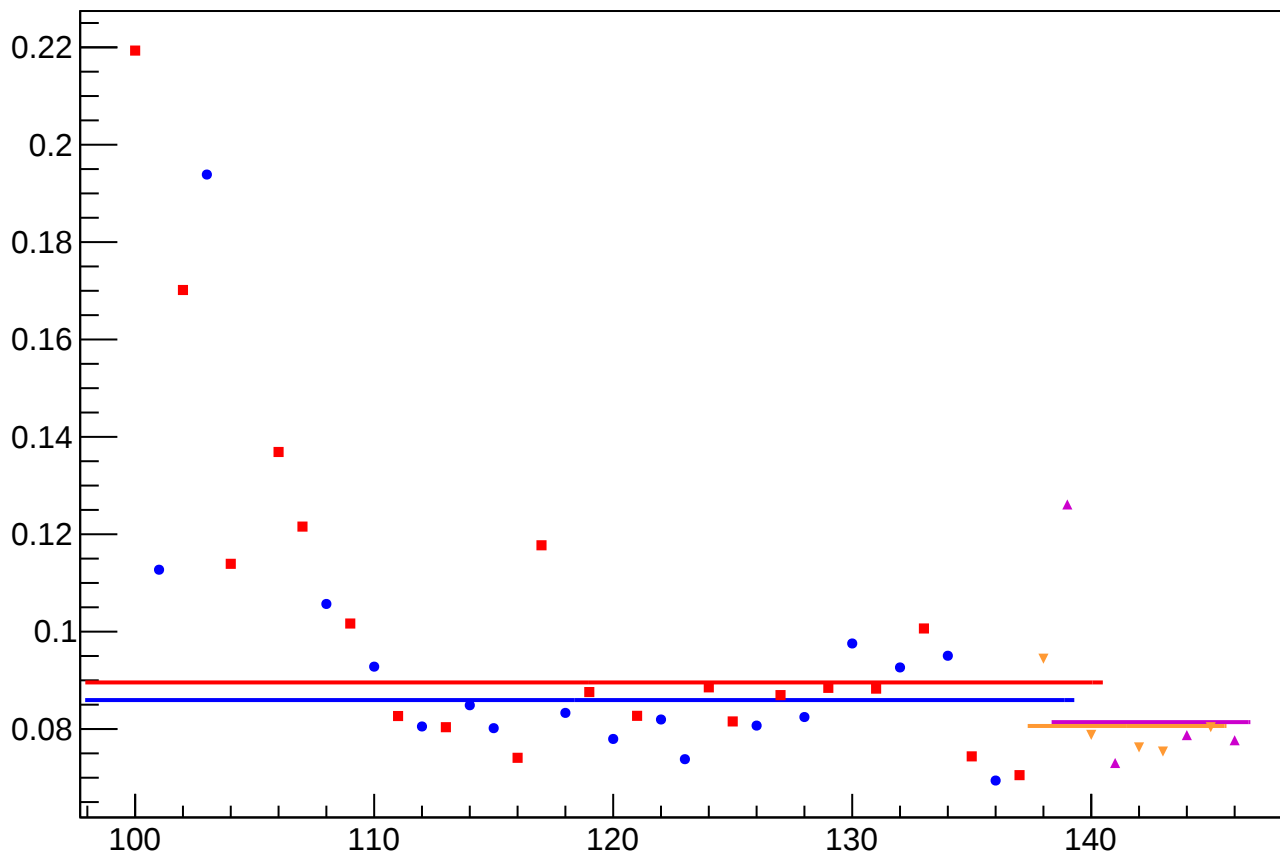
Left In: 30.801+/-0.000 χ^2/NDF : 502078429.6/3

31.479+/-0.000 χ^2/NDF : 2260814199.9/21

31.577+/-0.000 χ^2/NDF : 3752957929.9/4

31.677+/-0.000 χ^2/NDF : 1468338298.6/23

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.081+/-0.000 χ^2/NDF : 36983.4/4

Right Out: 0.090+/-0.000 χ^2/NDF : 544516.7/19

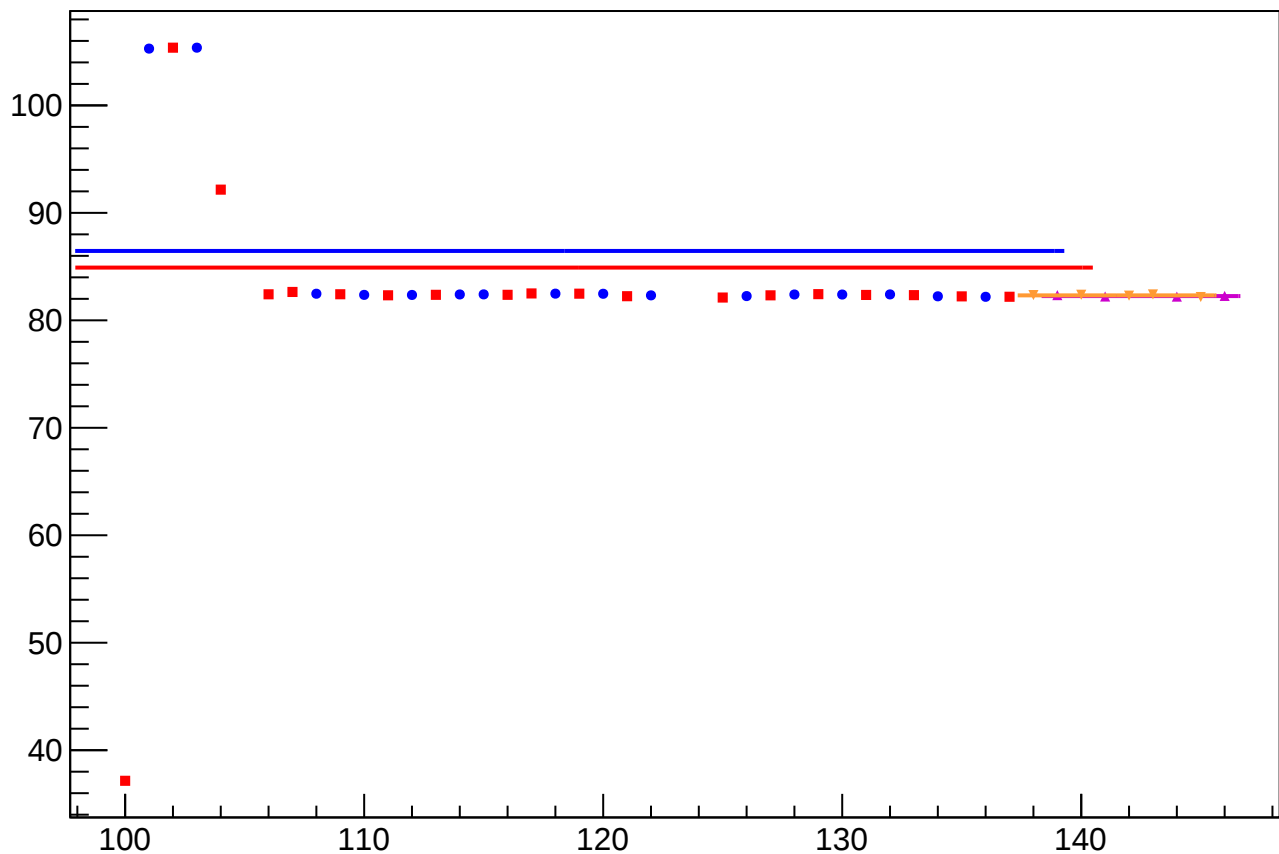
Left In: 0.081+/-0.000 χ^2/NDF : 202252.6/3

0.084+/-0.000 χ^2/NDF : 606436.1/21

0.085+/-0.000 χ^2/NDF : 1398481.7/45

0.087+/-0.000 χ^2/NDF : 783688.3/23

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.323+/-0.000 χ^2/NDF : 13708970.2/4

Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

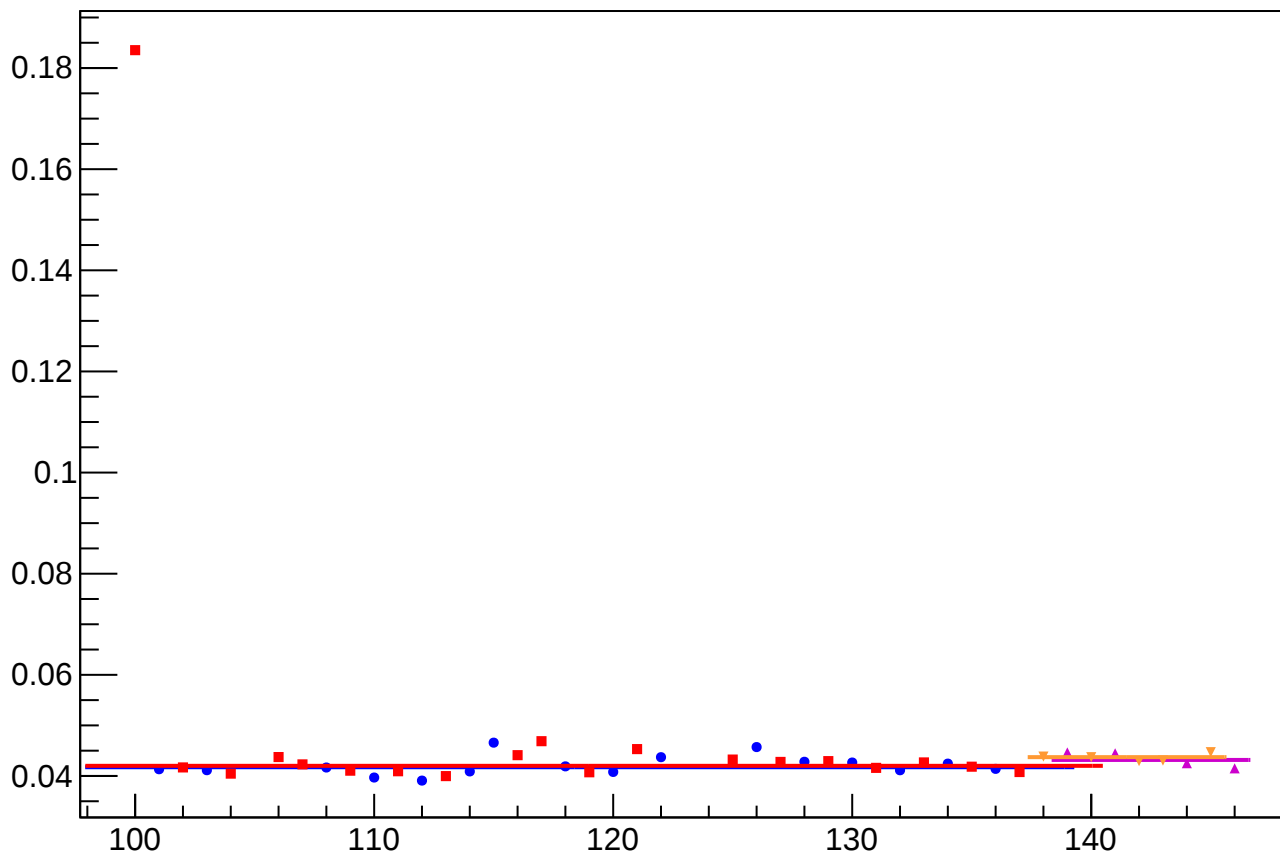
Left In: 82.257+/-0.000 χ^2/NDF : 4731358.8/3

85.147+/-0.000 χ^2/NDF : 311841973269.0/20

84.618+/-0.000 χ^2/NDF : 495604526592.8

84.101+/-0.000 χ^2/NDF : 180709600402.3/22

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.044+/-0.000 χ^2/NDF :1348.6/4

Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

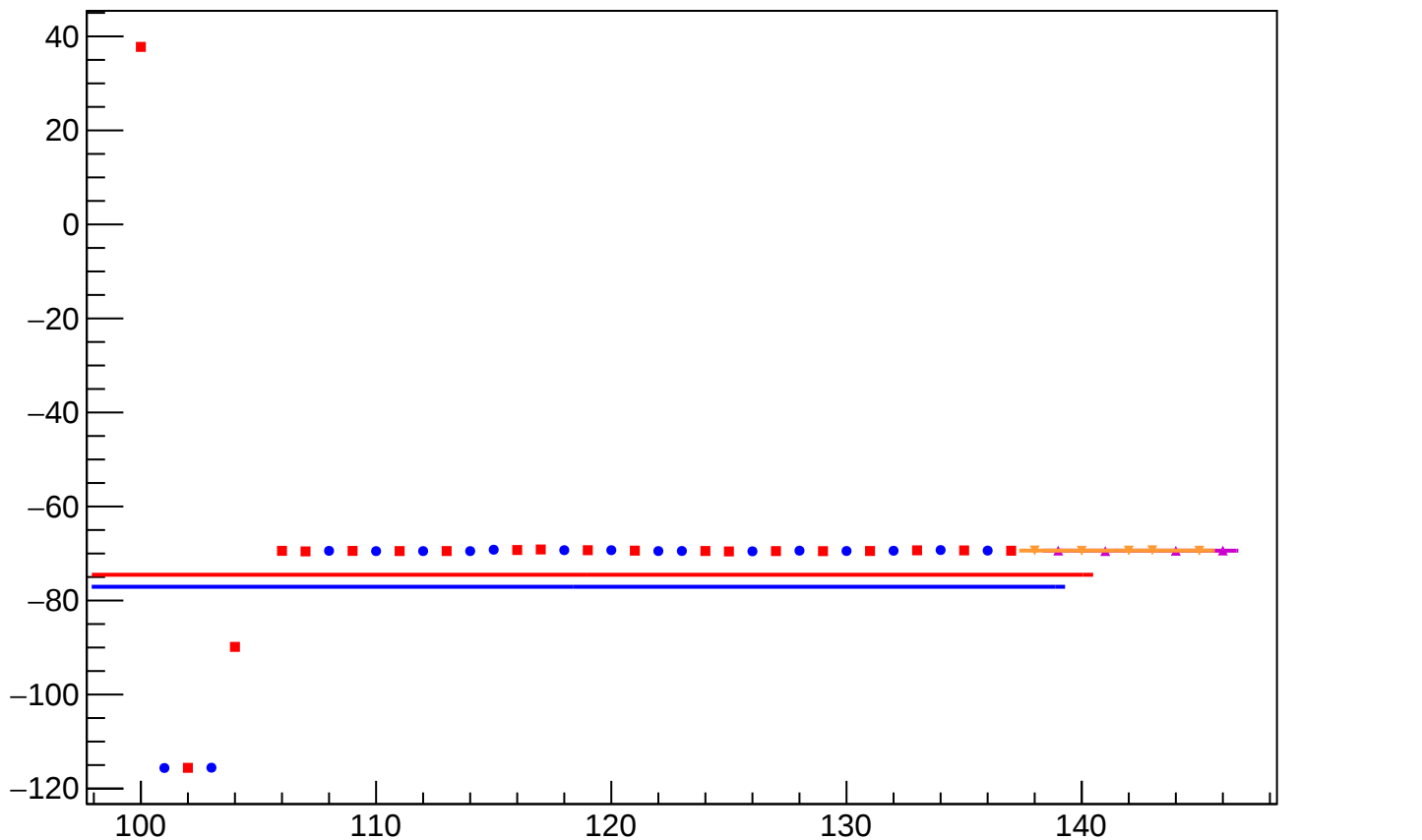
Left In: 0.043+/-0.000 χ^2/NDF :6021.7/3

0.042+/-0.000 χ^2/NDF : 29721.7/20

0.042+/-0.000 χ^2/NDF : 136765.4/43

0.042+/-0.000 χ^2/NDF : 107043.7/22

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.378+/-0.000 χ^2/NDF : 1699336.9/4

Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

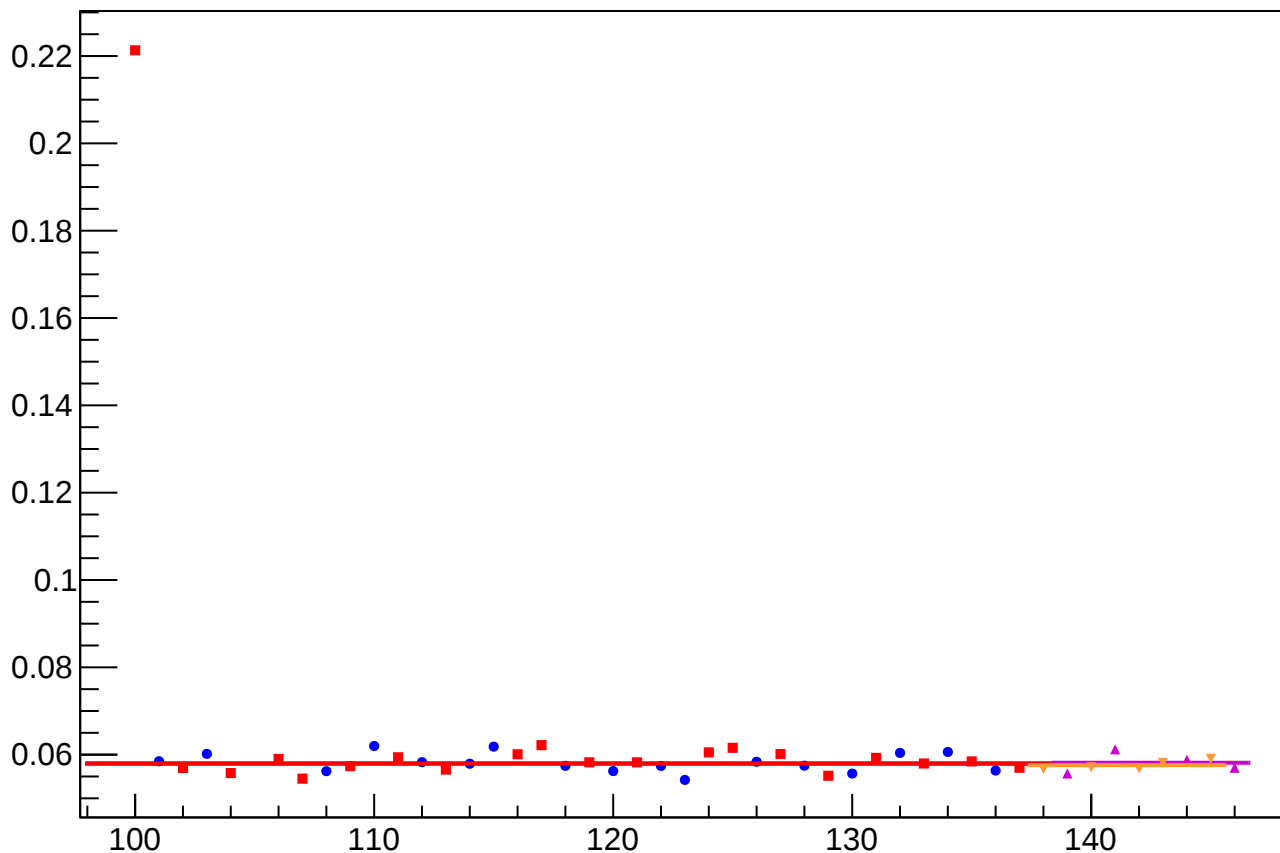
Left In: -69.401+/-0.000 χ^2/NDF : 1879180.3/3

-74.462+/-0.000 χ^2/NDF : 603890480597.7/21

-73.685+/-0.000 χ^2/NDF : 996252693332

-72.929+/-0.000 χ^2/NDF : 388908006798.4/23

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.058+/-0.000 χ^2/NDF : 1654.2/4

Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

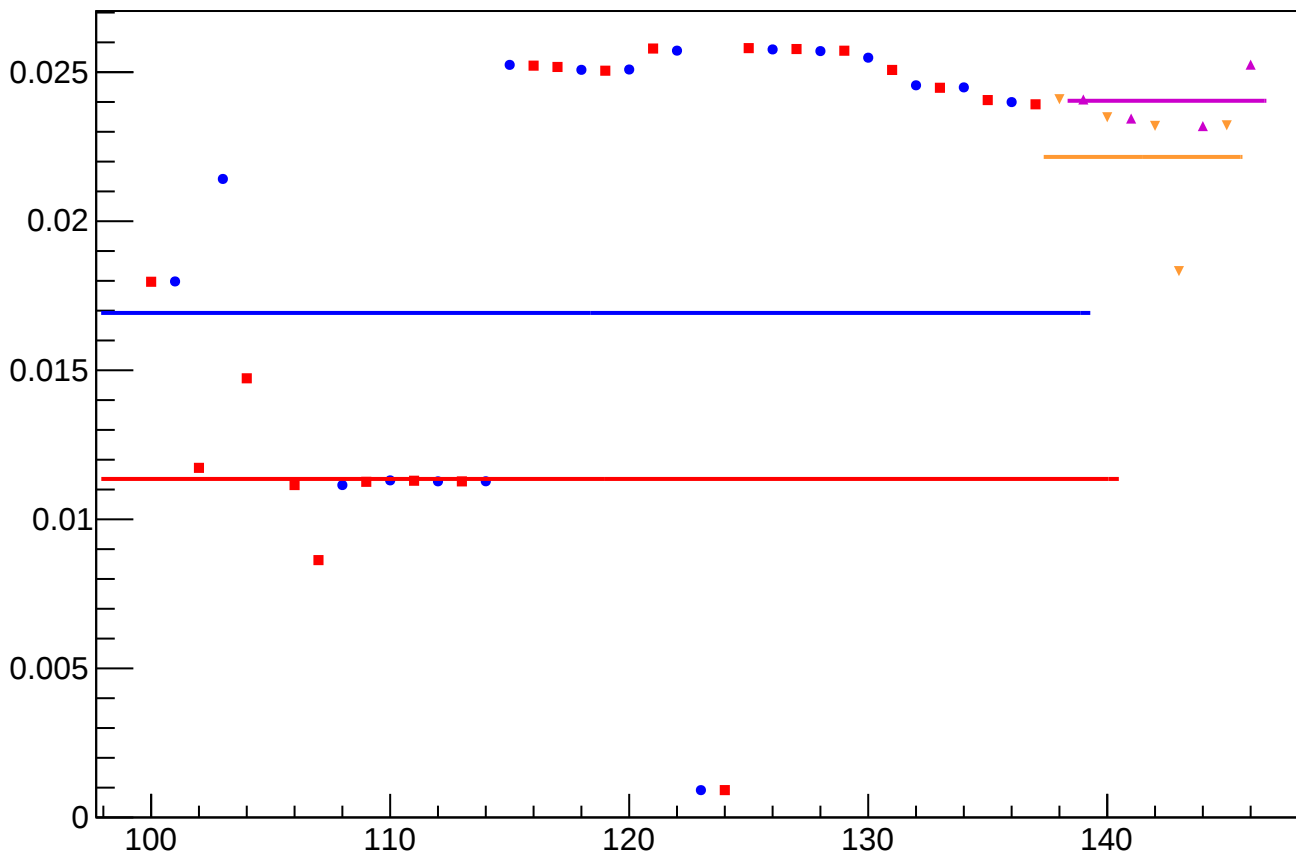
Left In: 0.058+/-0.000 χ^2/NDF : 7714.6/3

0.058+/-0.000 χ^2/NDF : 14120.8/21

0.058+/-0.000 χ^2/NDF : 108833.2/45

0.058+/-0.000 χ^2/NDF : 94617.8/23

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 2933753172.8/4

0.018 $\pm$ 0.000 χ^2 /NDF: 140516611672.2/21

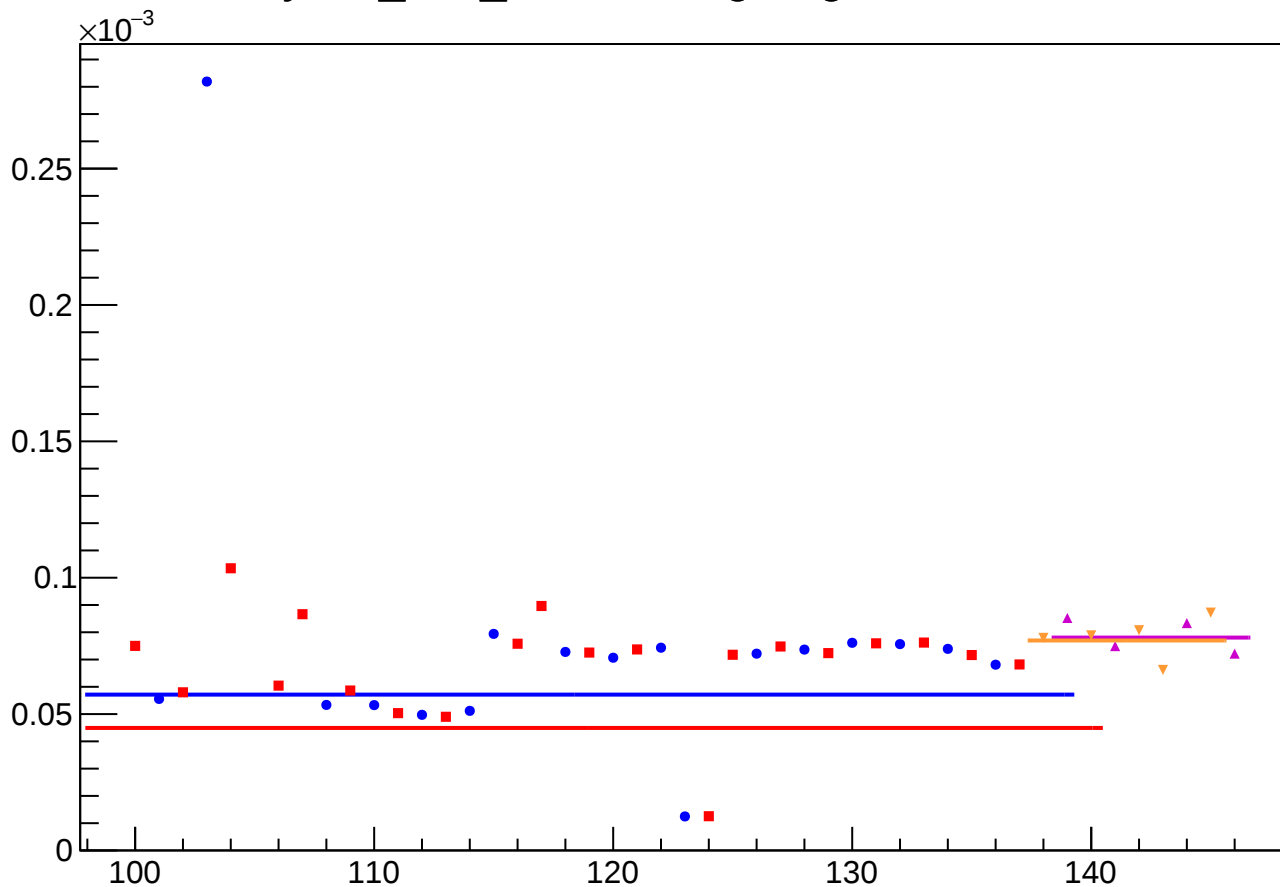
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.016 $\pm$ 0.000 χ^2 /NDF: 471307451286.5/

0.014 $\pm$ 0.000 χ^2 /NDF: 304116842123.0/23

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 360039507.7/3

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2000446.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:56465.9/4

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3613155.3/19

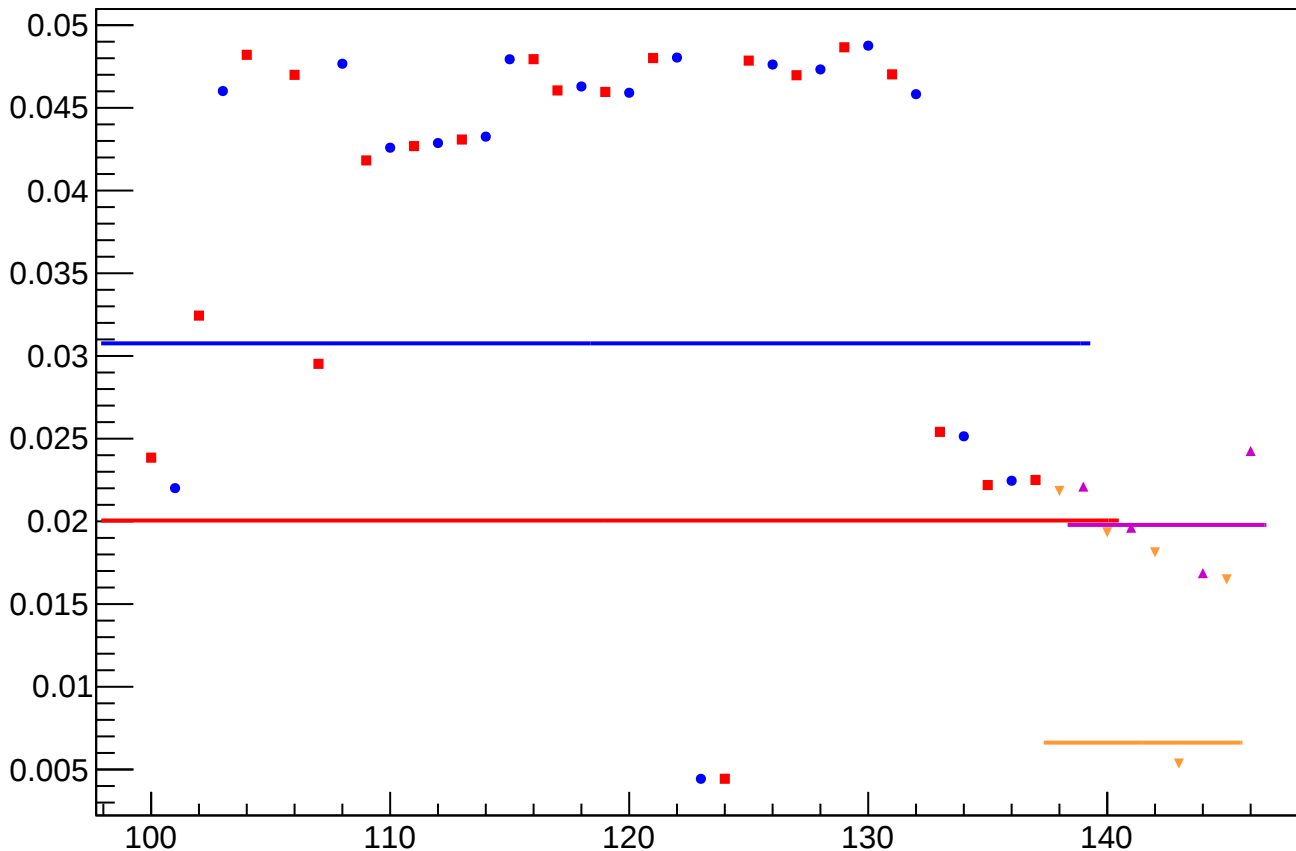
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:30165.2/3

0.000 $\pm$ 0.000 χ^2 /NDF: 2377307.8/21

0.000 $\pm$ 0.000 χ^2 /NDF: 7263733.8/45

0.000 $\pm$ 0.000 χ^2 /NDF: 4570961.9/23

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.007+/-0.000 χ^2/NDF : 5807061611.4/4

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

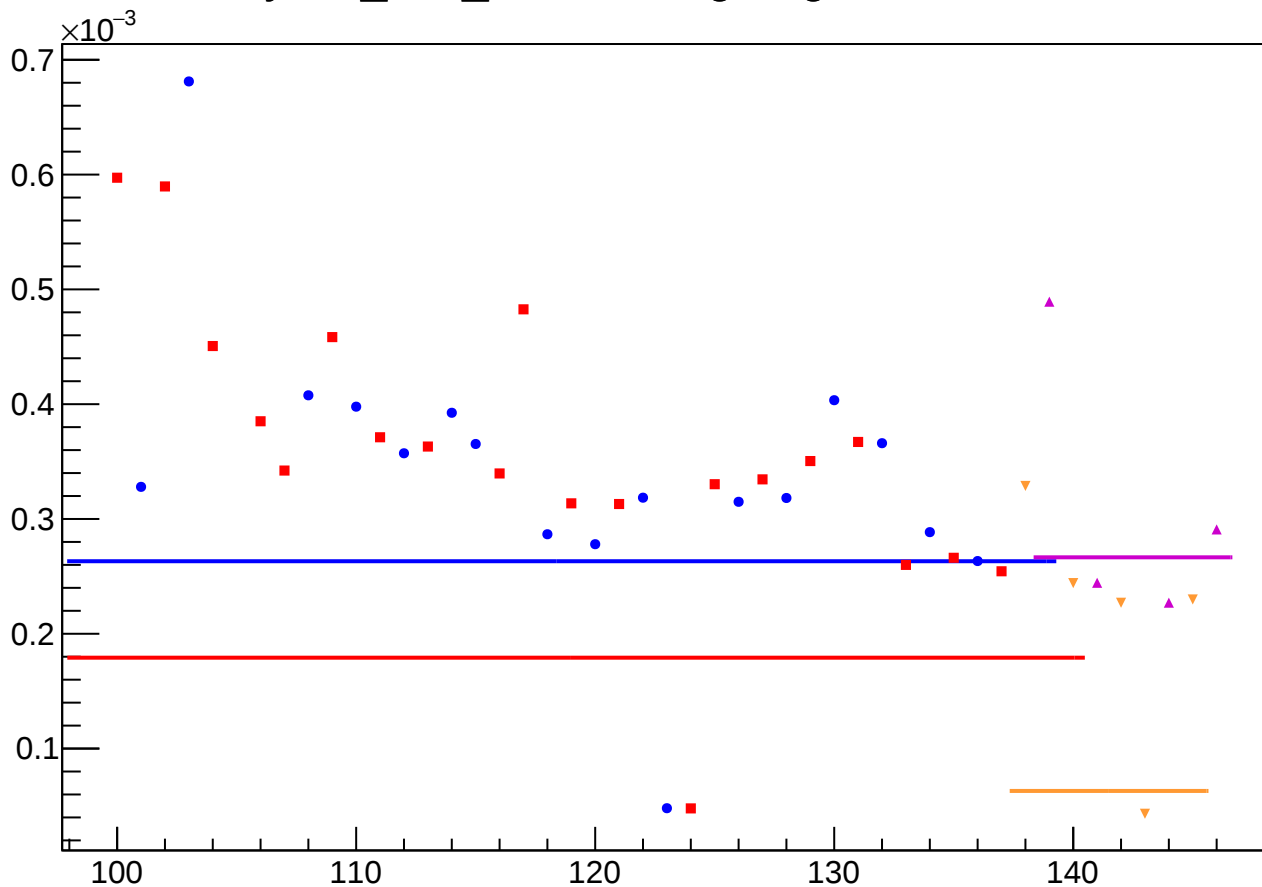
Left In: 0.020+/-0.000 χ^2/NDF : 319370935.6/3

0.010+/-0.000 χ^2/NDF : 61700546541.9/21

0.013+/-0.000 χ^2/NDF : 112714280743.3/21

0.020+/-0.000 χ^2/NDF : 40455146999.4/23

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2889355.2/4

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5374355.8/19

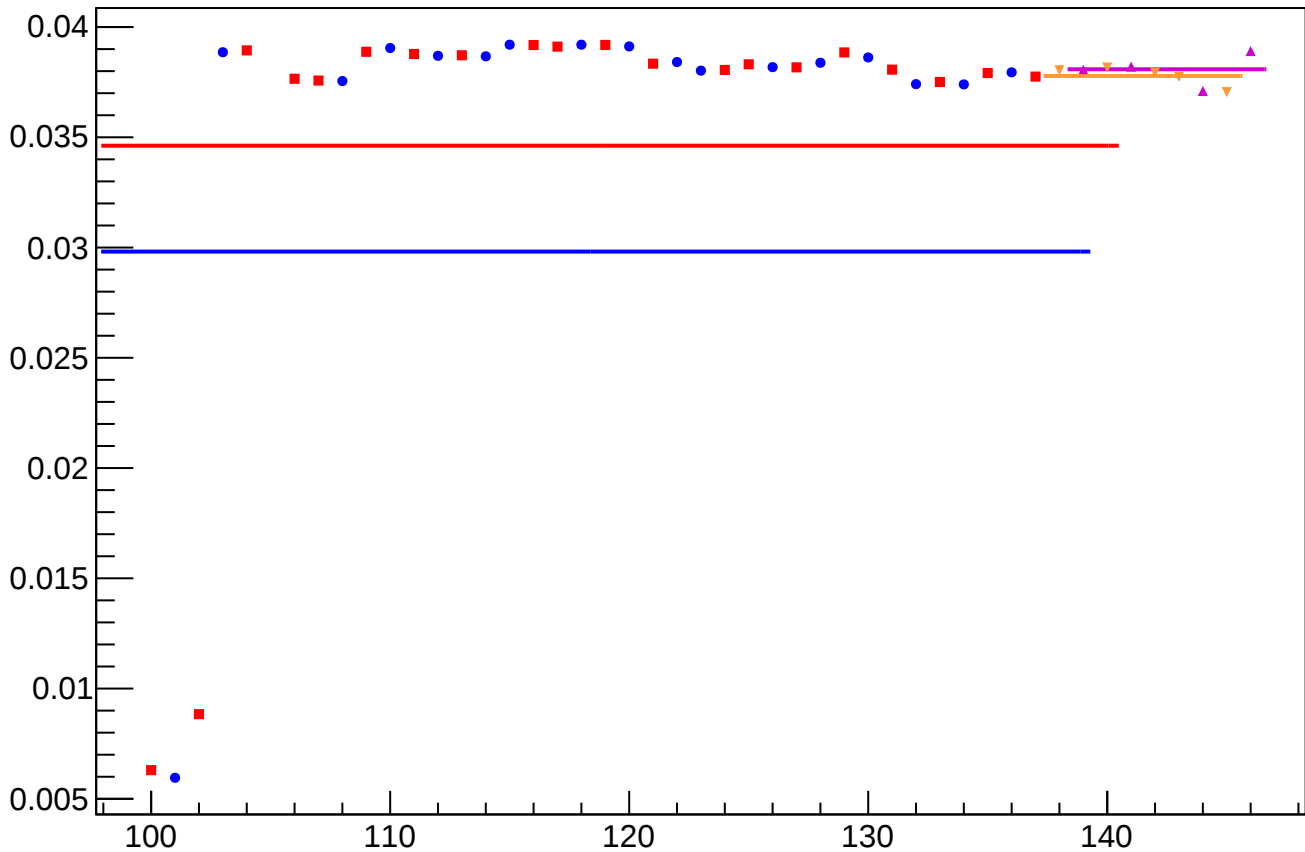
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 360081.6/3

0.000 $\pm$ 0.000 χ^2/NDF : 10063263.2/21

0.000 $\pm$ 0.000 χ^2/NDF : 18860642.6/45

0.000 $\pm$ 0.000 χ^2/NDF : 6181704.0/23

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.038 $\pm$ 0.000 χ^2 /NDF: 25769537.6/4

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43717644957.2/19

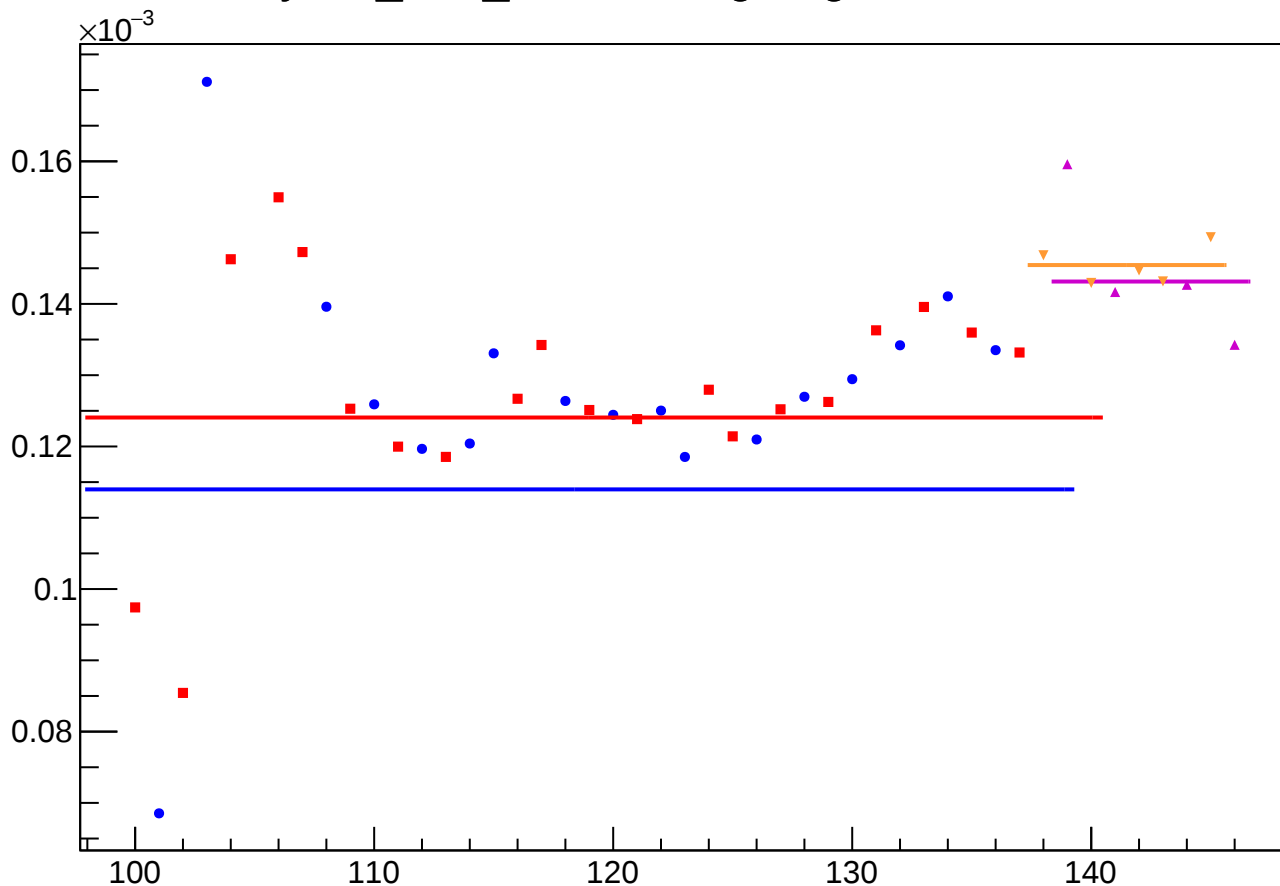
Left In: 0.038 $\pm$ 0.000 χ^2 /NDF: 69574072.1/3

0.032 $\pm$ 0.000 χ^2 /NDF: 104453535104.0/21

0.034 $\pm$ 0.000 χ^2 /NDF: 153877129783.3/21

0.036 $\pm$ 0.000 χ^2 /NDF: 45139806612.3/23

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 794542.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1925.5/4

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 245649.5/19

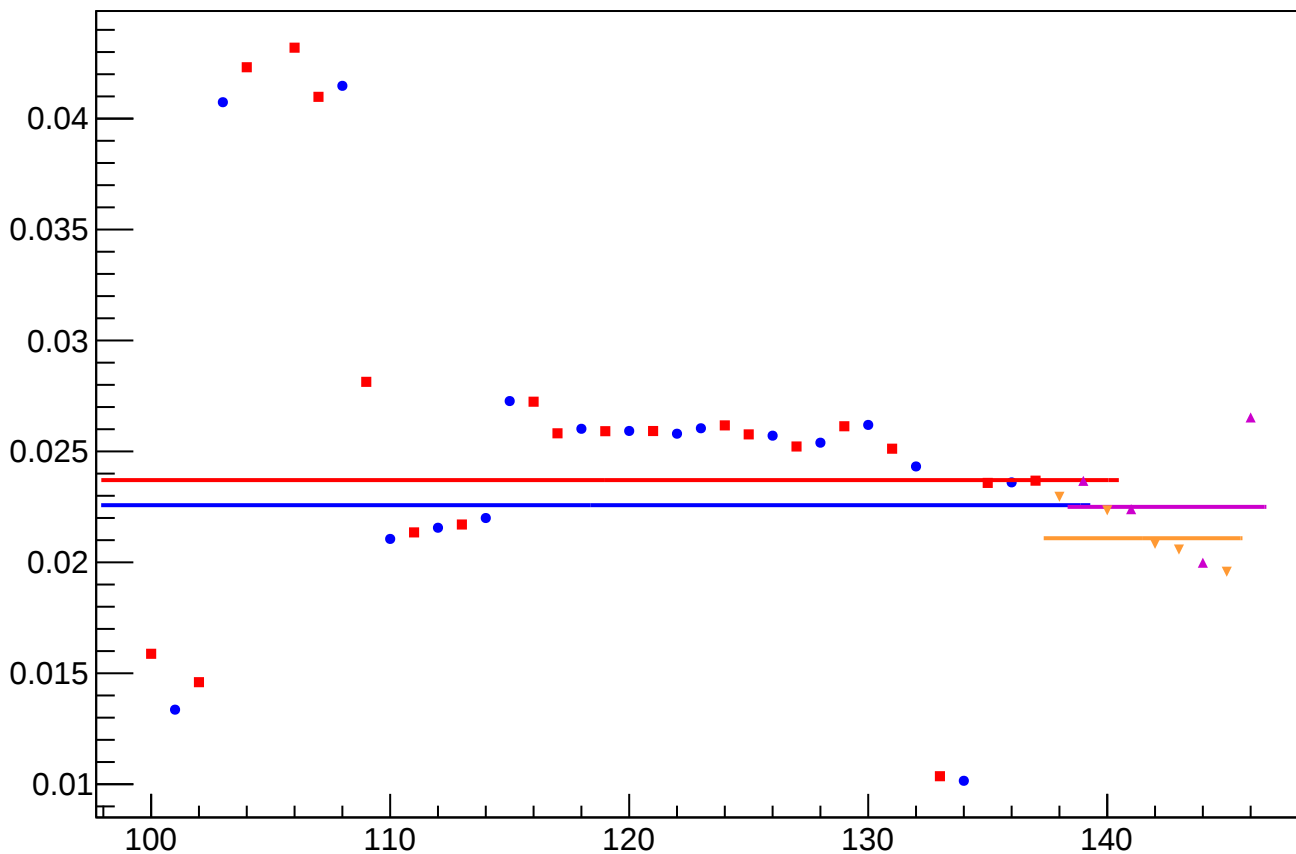
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:22205.9/3

0.000 $\pm$ 0.000 χ^2 /NDF: 1023653.4/21

0.000 $\pm$ 0.000 χ^2 /NDF: 1406291.6/45

0.000 $\pm$ 0.000 χ^2 /NDF: 349763.3/23

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.021 $\pm$ 0.000 χ^2/NDF : 77981570.8/4

Right Out: 0.024 $\pm$ 0.000 χ^2/NDF : 5652505580.7/19

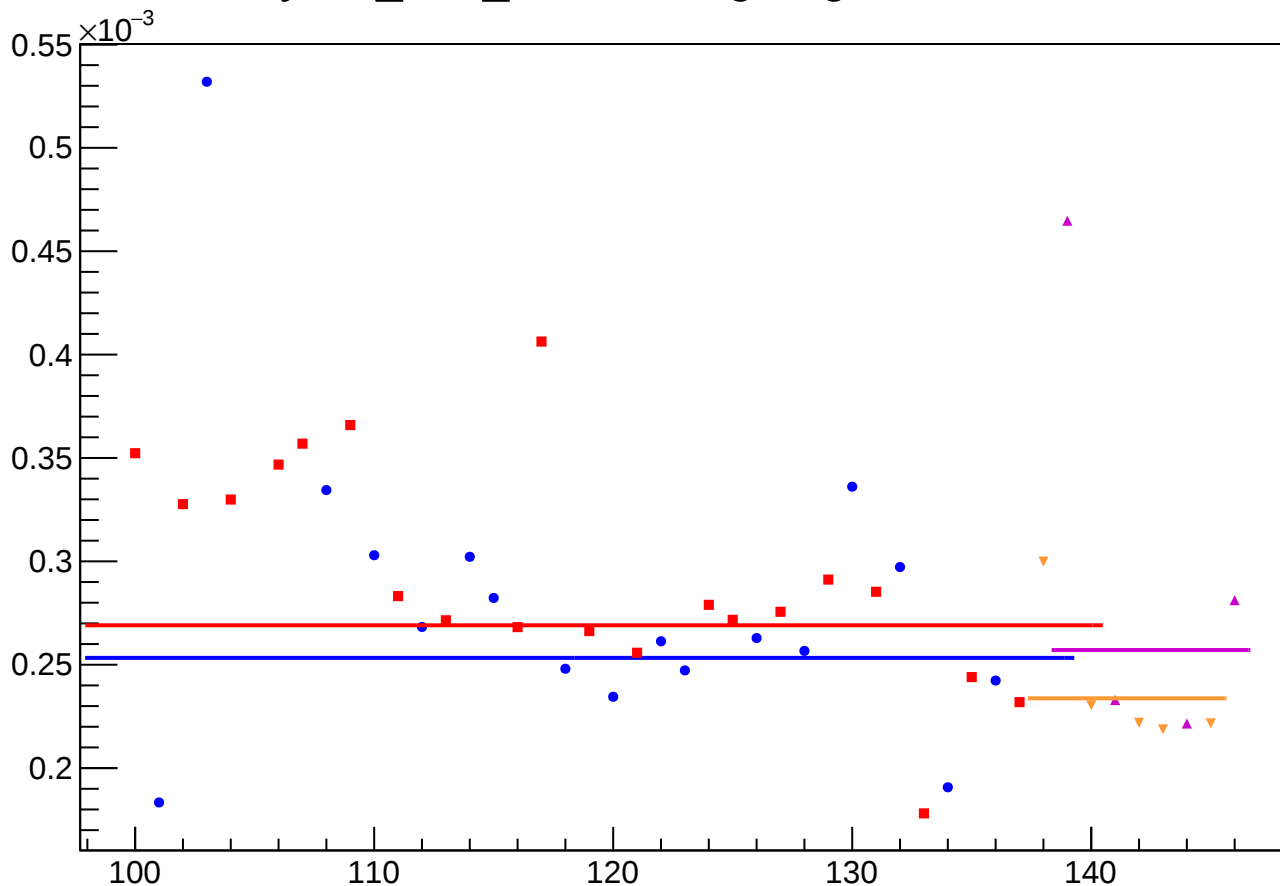
Left In: 0.023 $\pm$ 0.000 χ^2/NDF : 258418639.5/3

0.022 $\pm$ 0.000 χ^2/NDF : 4398444694.5/21

0.023 $\pm$ 0.000 χ^2/NDF : 10459335488.3/4

0.023 $\pm$ 0.000 χ^2/NDF : 5952149205.7/23

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 73090.5/4

Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

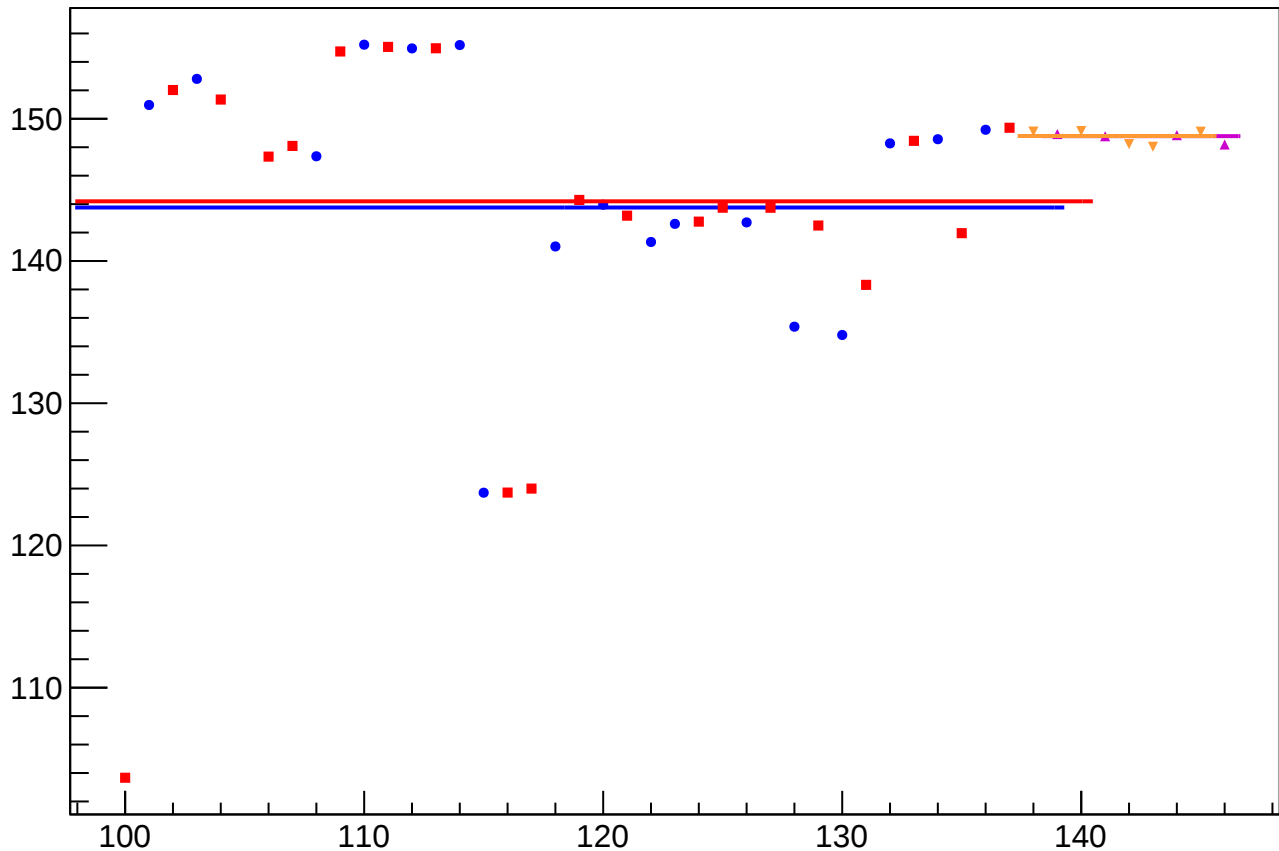
Left In: 0.000+/-0.000 χ^2/NDF : 347282.3/3

0.000+/-0.000 χ^2/NDF : 727318.6/21

0.000+/-0.000 χ^2/NDF : 1568423.3/45

0.000+/-0.000 χ^2/NDF : 793092.4/23

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 148.790 $\pm$ 0.000 χ^2 /NDF: 7091630.3/4

Right Out: 144.197 $\pm$ 0.000 χ^2 /NDF: 4523139755.0/19

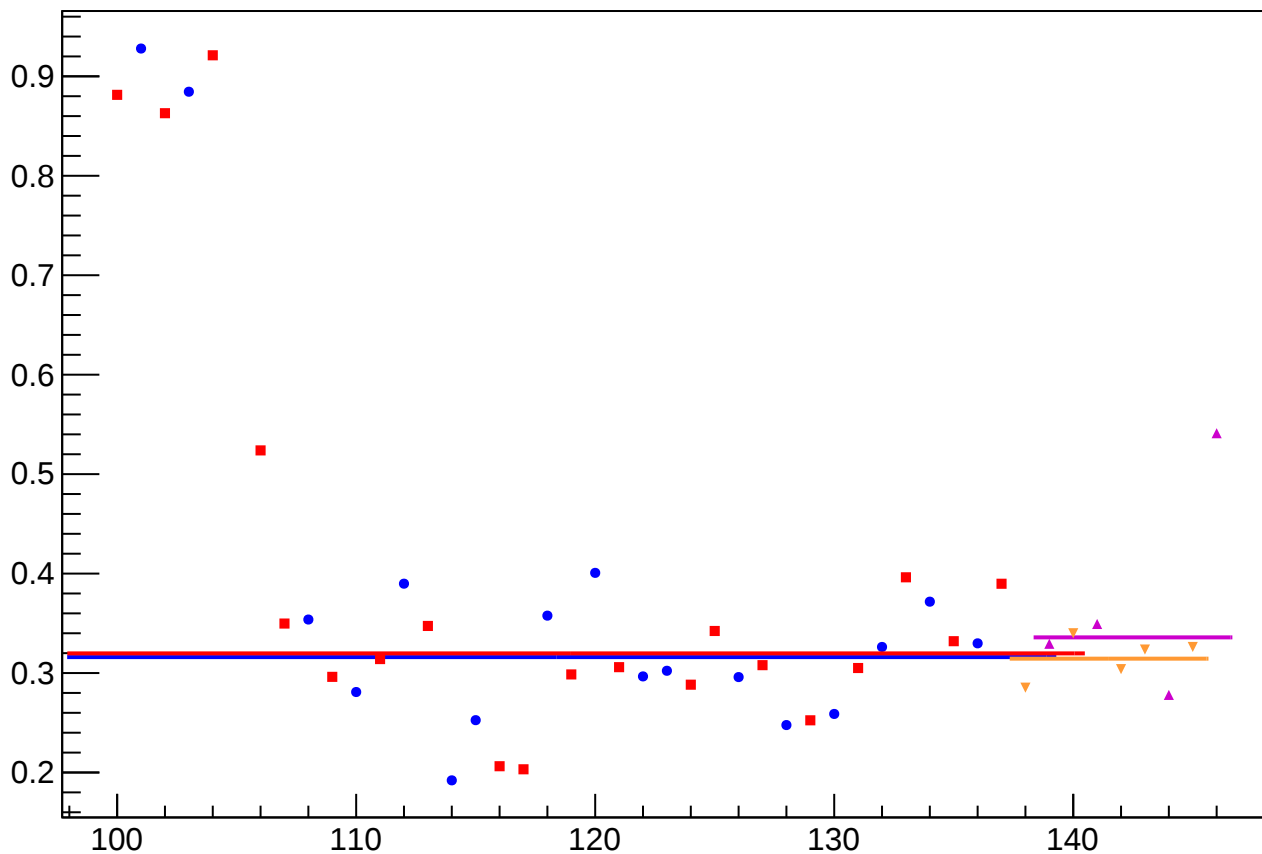
Left In: 148.780 $\pm$ 0.000 χ^2 /NDF: 1144660.0/3

145.616 $\pm$ 0.000 χ^2 /NDF: 4060046146.4/21

145.631 $\pm$ 0.000 χ^2 /NDF: 8966236110.7/

145.646 $\pm$ 0.000 χ^2 /NDF: 4906152625.8/23

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 $\pm$ 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.314 $\pm$ 0.000 χ^2/NDF : 27505.0/4

Right Out: 0.320 $\pm$ 0.000 χ^2/NDF : 1241752.3/19

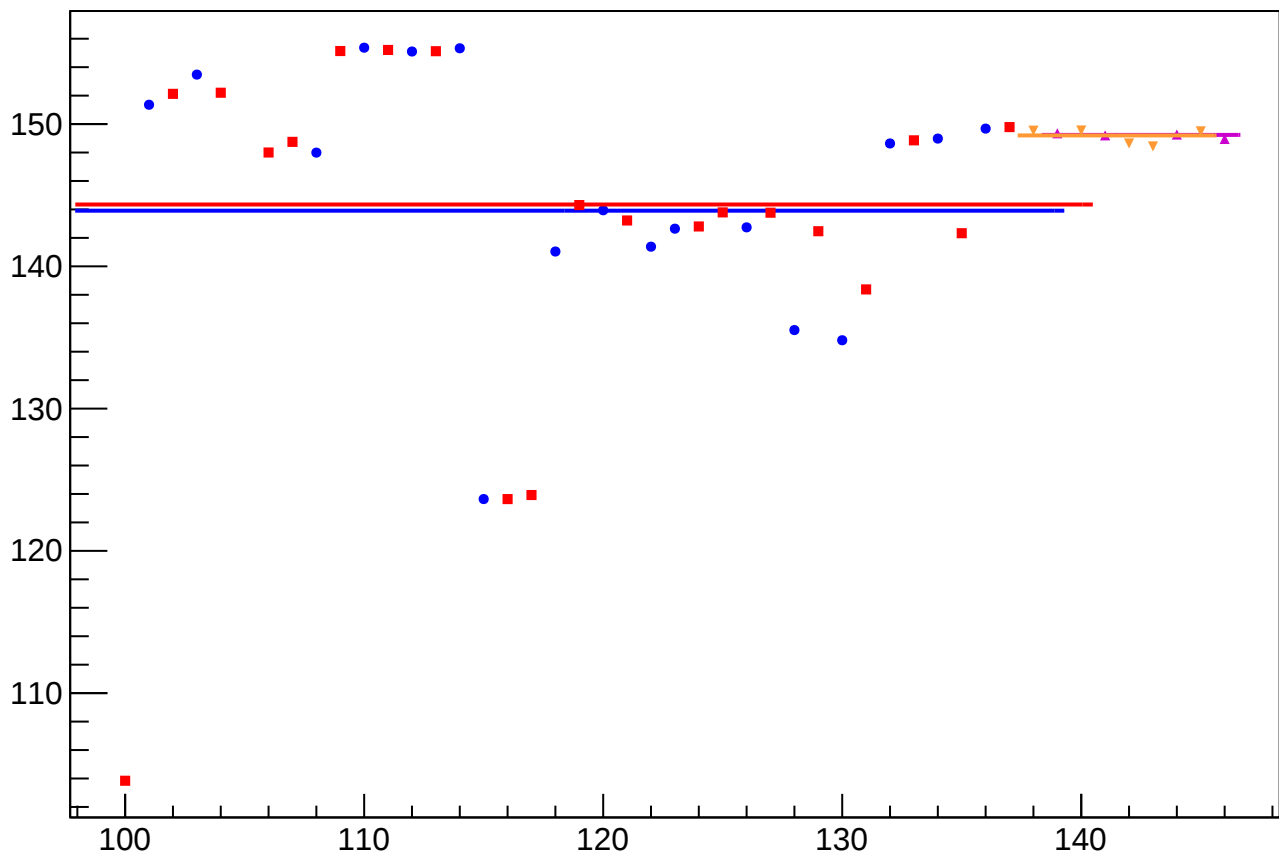
Left In: 0.336 $\pm$ 0.000 χ^2/NDF : 306239.5/3

0.315 $\pm$ 0.000 χ^2/NDF : 1293527.4/21

0.320 $\pm$ 0.000 χ^2/NDF : 2858543.1/45

0.325 $\pm$ 0.000 χ^2/NDF : 1557411.3/23

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 149.202 $\pm$ 0.000 χ^2 /NDF: 7173434.5/4

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

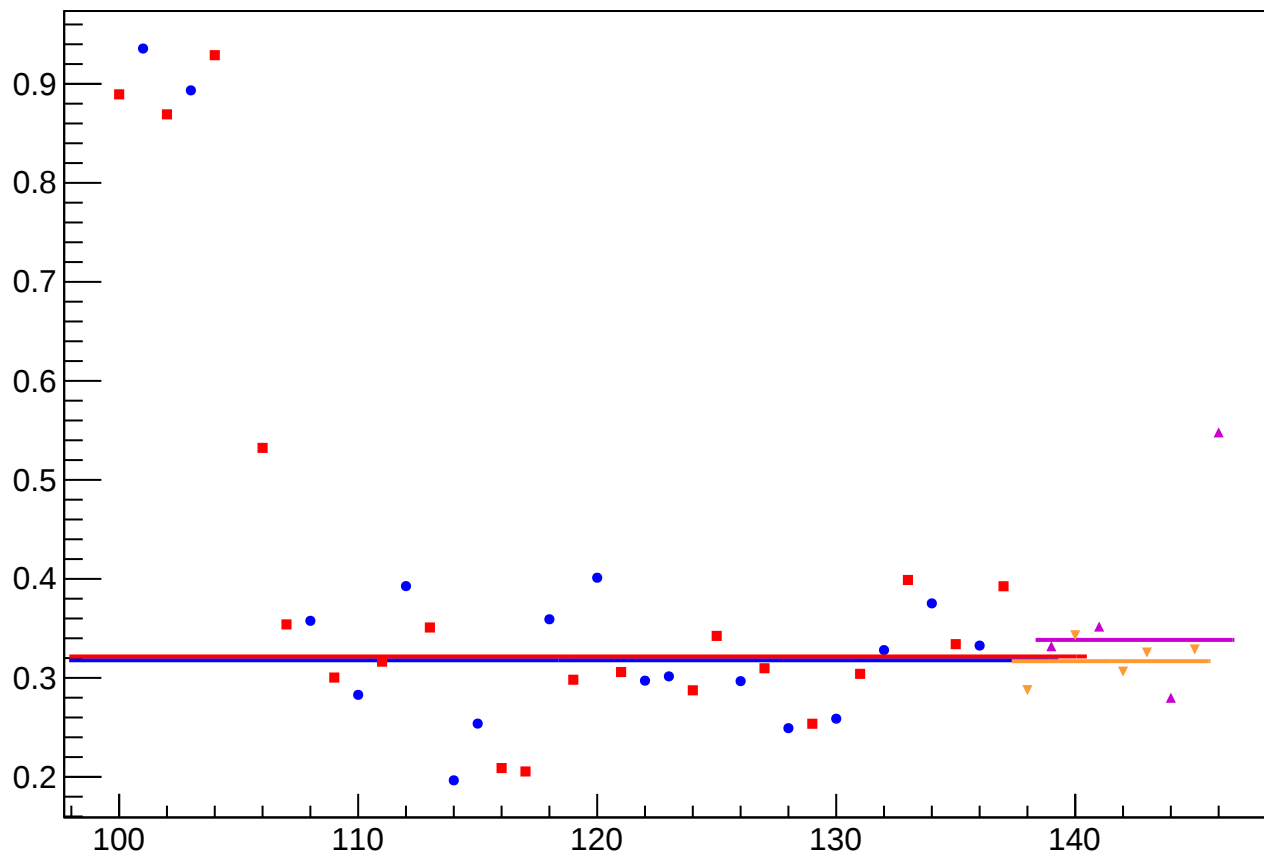
Left In: 149.239 $\pm$ 0.000 χ^2 /NDF: 313155.0/3

145.858 $\pm$ 0.000 χ^2 /NDF: 4160945322.5/21

145.873 $\pm$ 0.000 χ^2 /NDF: 9140780027.0/21

145.889 $\pm$ 0.000 χ^2 /NDF: 4979792163.2/23

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.317 $\pm$ 0.000 χ^2/NDF : 27533.6/4

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244304.0/19

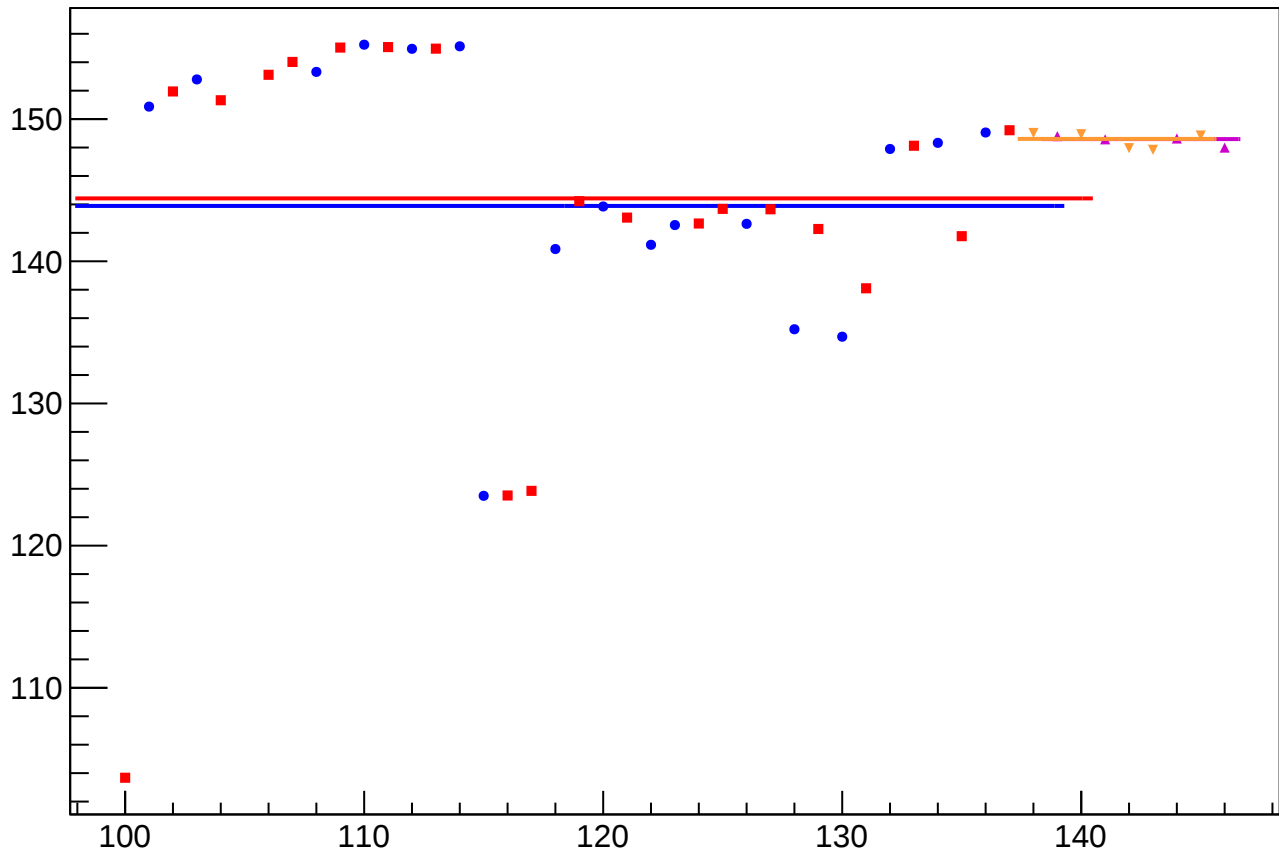
Left In: 0.338 $\pm$ 0.000 χ^2/NDF : 310484.4/3

0.317 $\pm$ 0.000 χ^2/NDF : 1295825.3/21

0.322 $\pm$ 0.000 χ^2/NDF : 2868222.1/45

0.327 $\pm$ 0.000 χ^2/NDF : 1564821.8/23

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3752655677.2/16

Left Out: 148.607 $\pm$ 0.000 χ^2 /NDF: 7938262.6/4

Right Out: 144.423 $\pm$ 0.000 χ^2 /NDF: 4819194675.6/19

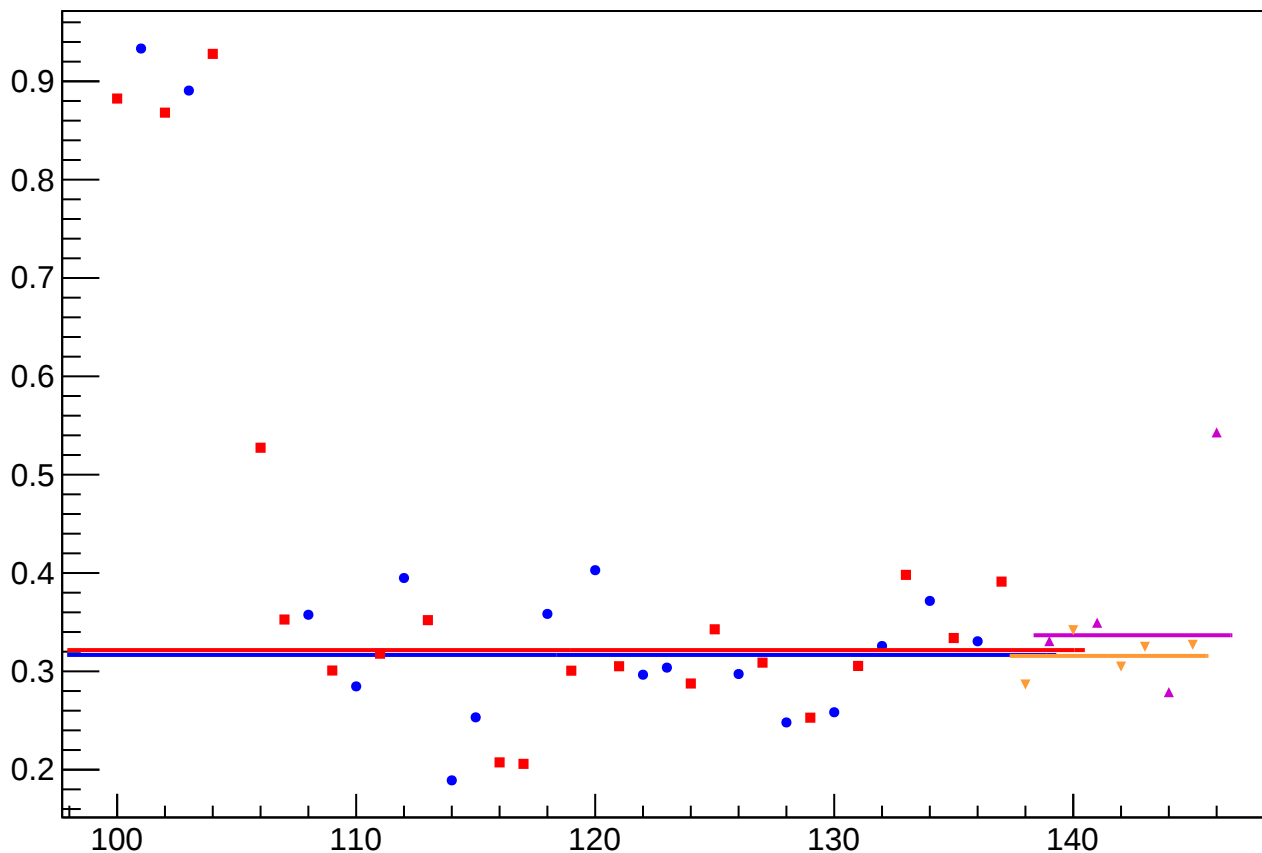
Left In: 148.595 $\pm$ 0.000 χ^2 /NDF: 1275171.5/3

145.629 $\pm$ 0.000 χ^2 /NDF: 4212878214.6/21

145.687 $\pm$ 0.000 χ^2 /NDF: 9348126285.5/21

145.748 $\pm$ 0.000 χ^2 /NDF: 5134645213.5/23

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.316+/-0.000 χ^2/NDF : 27501.5/4

Right Out: 0.322+/-0.000 χ^2/NDF : 1244671.1/19

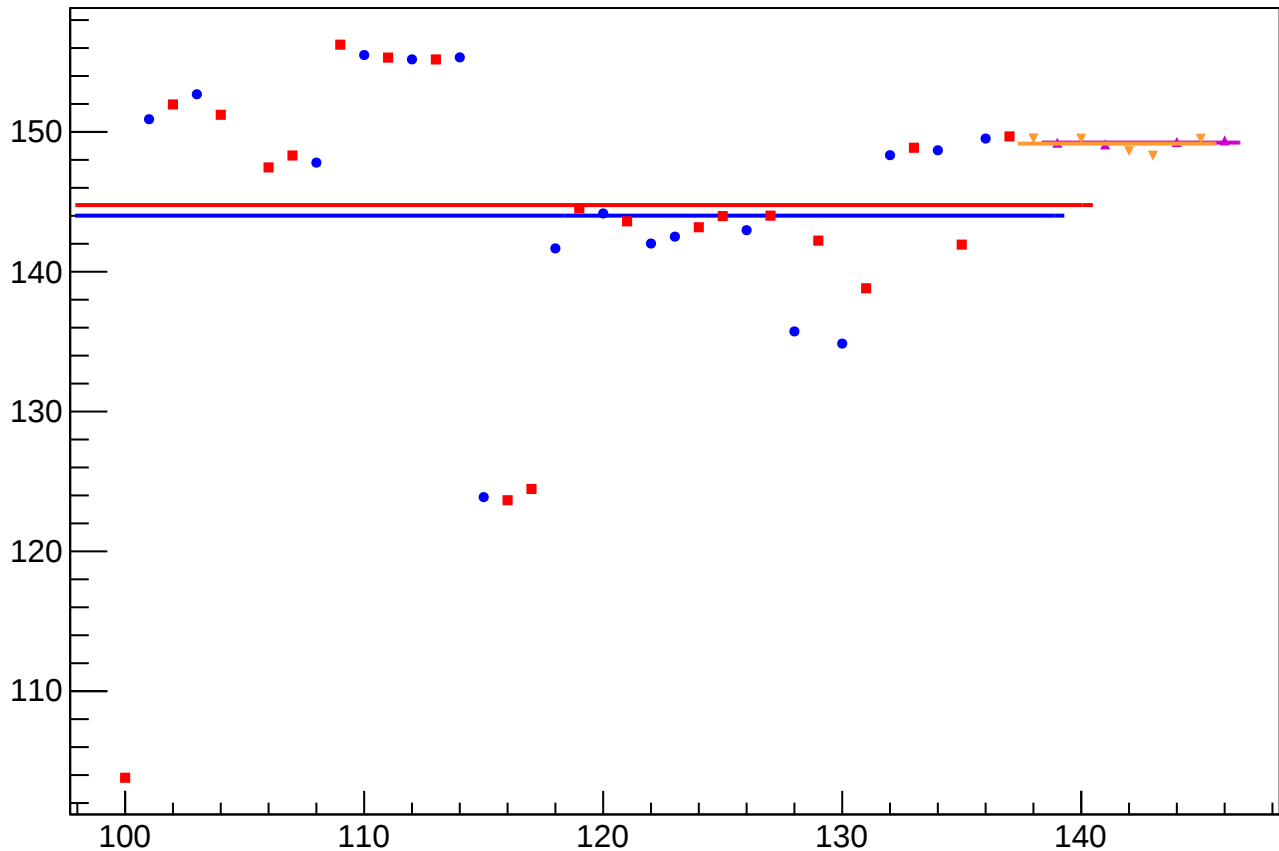
Left In: 0.337+/-0.000 χ^2/NDF : 306268.1/3

0.316+/-0.000 χ^2/NDF : 1307899.6/21

0.321+/-0.000 χ^2/NDF : 2875744.5/45

0.326+/-0.000 χ^2/NDF : 1559166.8/23

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 149.163 $\pm$ 0.000 χ^2 /NDF: 7531527.5/4

Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

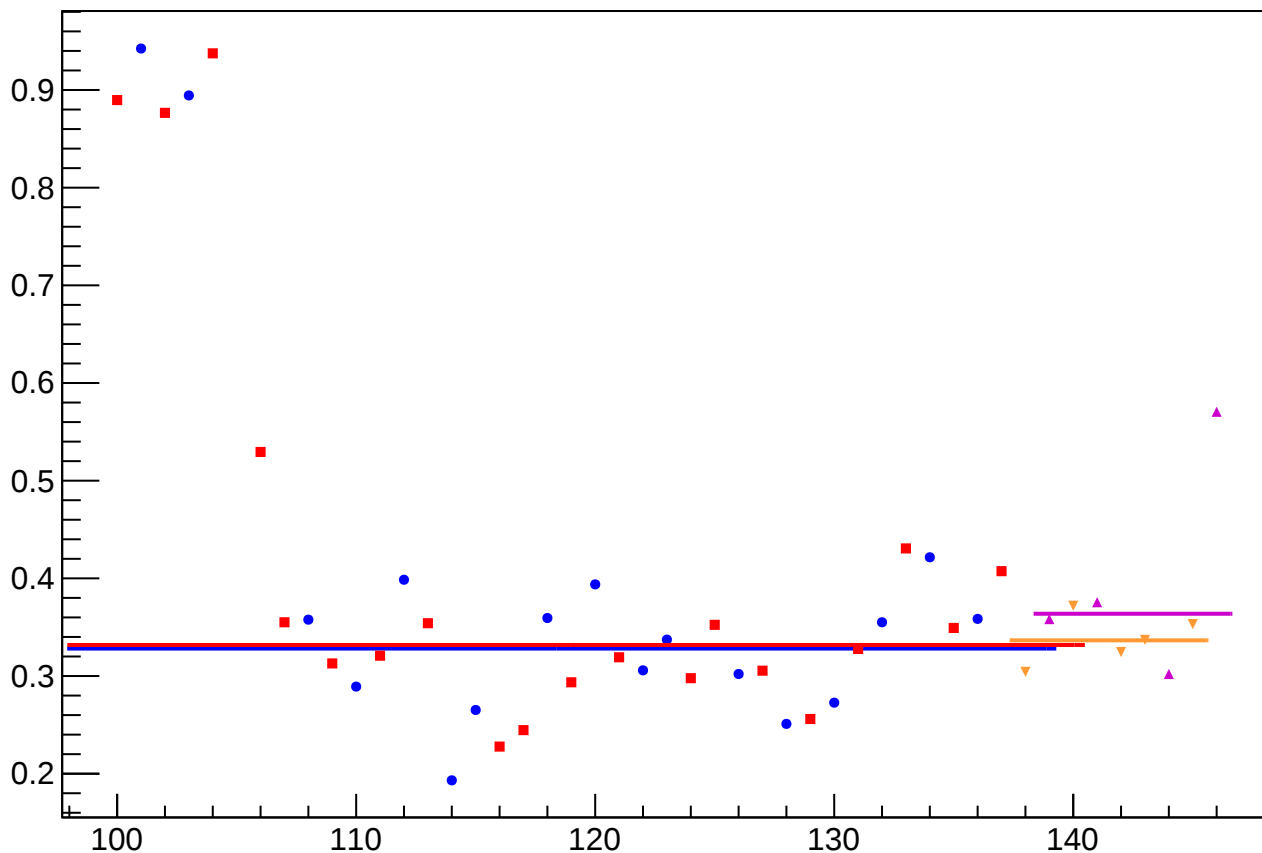
Left In: 149.237 $\pm$ 0.000 χ^2 /NDF: 172333.0/3

145.830 $\pm$ 0.000 χ^2 /NDF: 3729679396.2/21

145.959 $\pm$ 0.000 χ^2 /NDF: 8146683947.3/21

146.094 $\pm$ 0.000 χ^2 /NDF: 4414290909.6/23

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 1265892.9/16

Left Out: 0.337 $\pm$ 0.000 χ^2 /NDF:33841.6/4

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 1194167.8/19

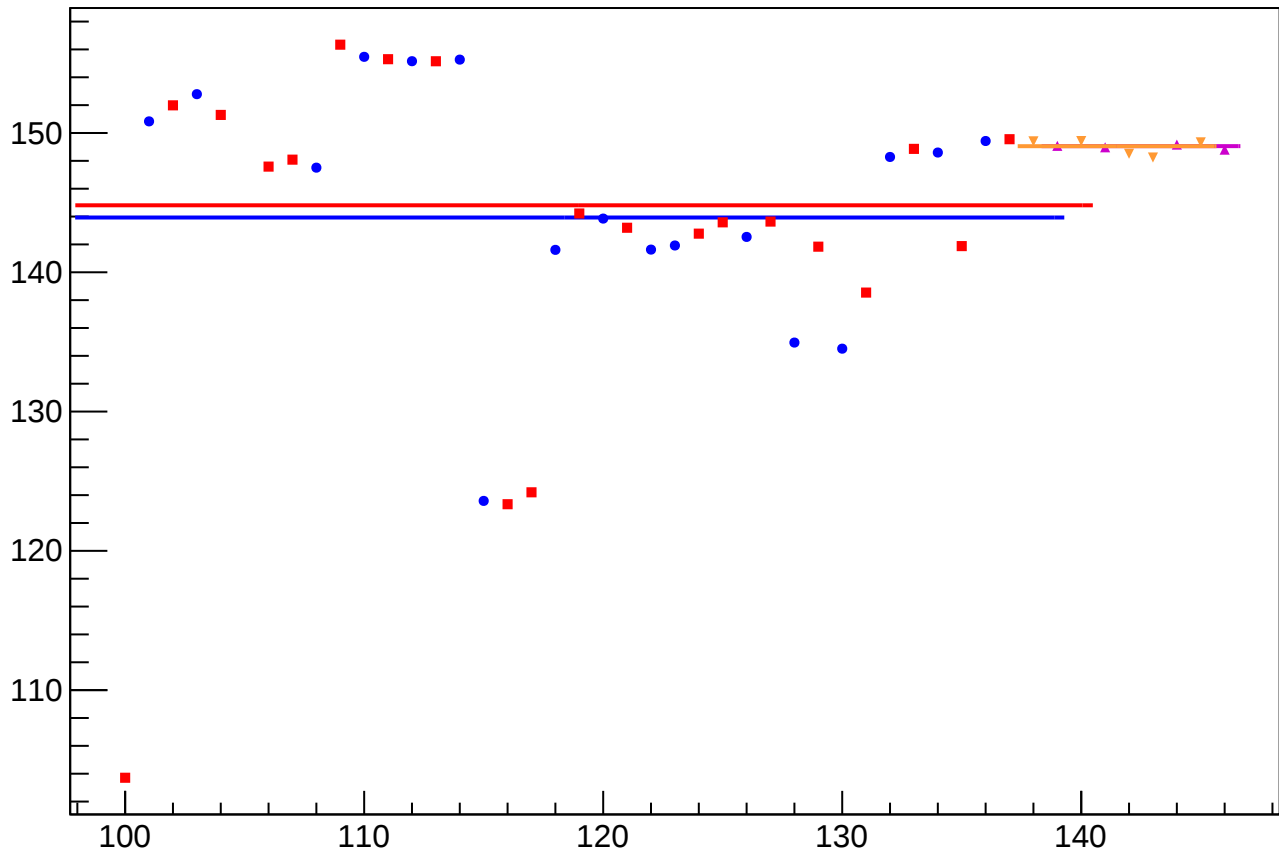
Left In: 0.364 $\pm$ 0.000 χ^2 /NDF:279914.2/3

0.331 $\pm$ 0.000 χ^2 /NDF: 1302297.7/21

0.336 $\pm$ 0.000 χ^2 /NDF: 2816845.2/45

0.341 $\pm$ 0.000 χ^2 /NDF: 1506495.2/23

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 +/- 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 149.052 +/- 0.000 χ^2/NDF : 6642507.4/4

Right Out: 144.809 +/- 0.000 χ^2/NDF : 4138041955.6/19

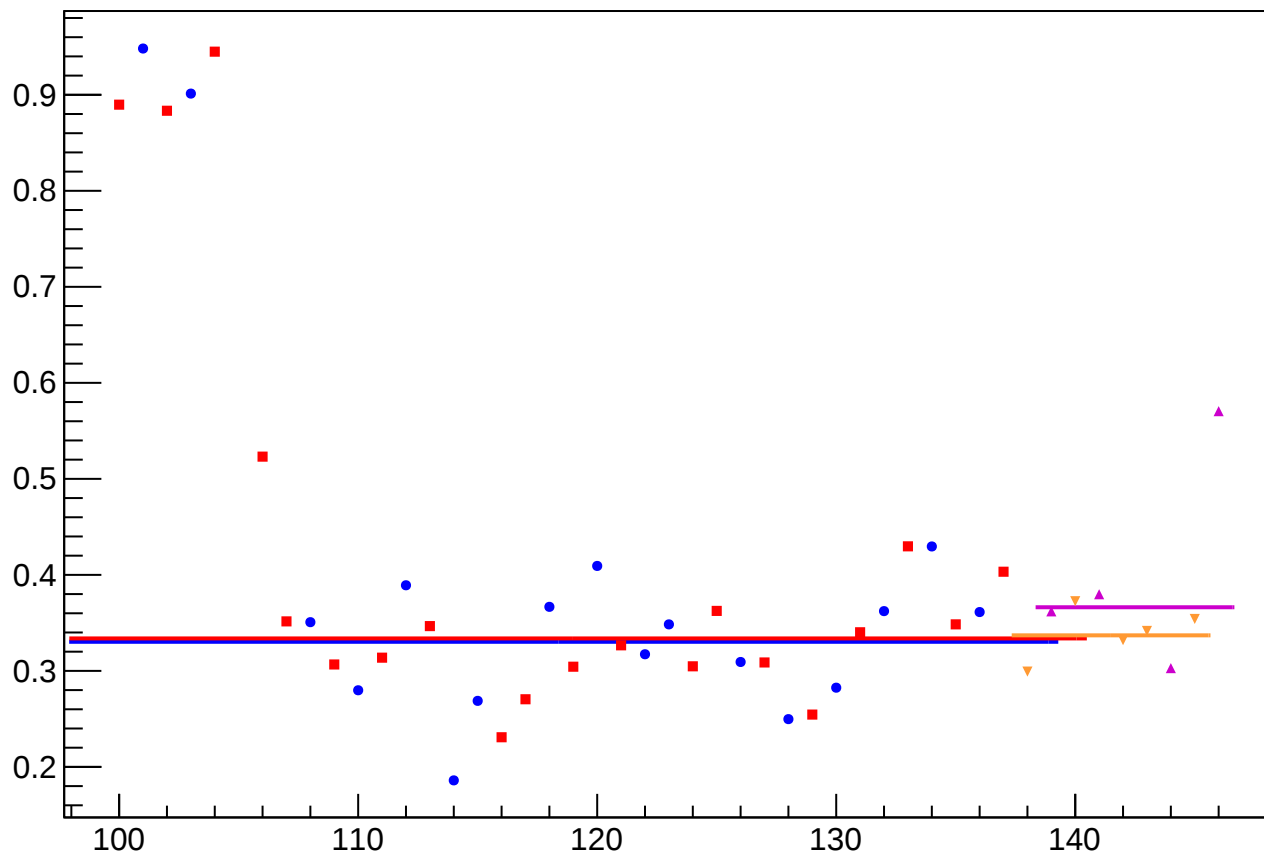
Left In: 149.056 +/- 0.000 χ^2/NDF : 306049.5/3

145.749 +/- 0.000 χ^2/NDF : 3859000423.2/21

145.904 +/- 0.000 χ^2/NDF : 8282323572.3/21

146.065 +/- 0.000 χ^2/NDF : 4419504800.0/23

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.337 $\pm$ 0.000 χ^2 /NDF:39653.1/4

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1177889.1/19

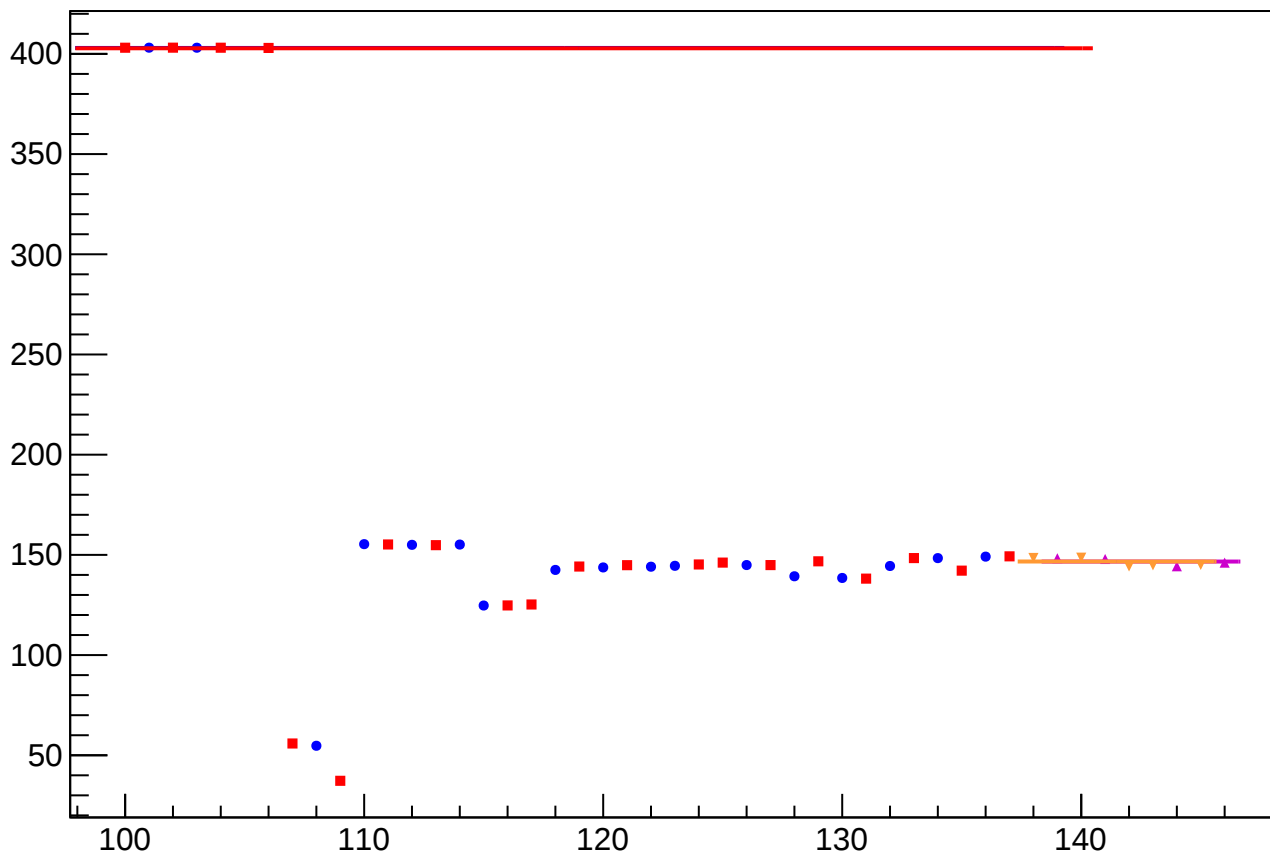
Left In: 0.366 $\pm$ 0.000 χ^2 /NDF:277514.3/3

0.333 $\pm$ 0.000 χ^2 /NDF: 1325218.6/21

0.338 $\pm$ 0.000 χ^2 /NDF: 2822256.2/45

0.343 $\pm$ 0.000 χ^2 /NDF: 1488254.5/23

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.695+/-0.000 χ^2/NDF : 21546837.0/4

Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

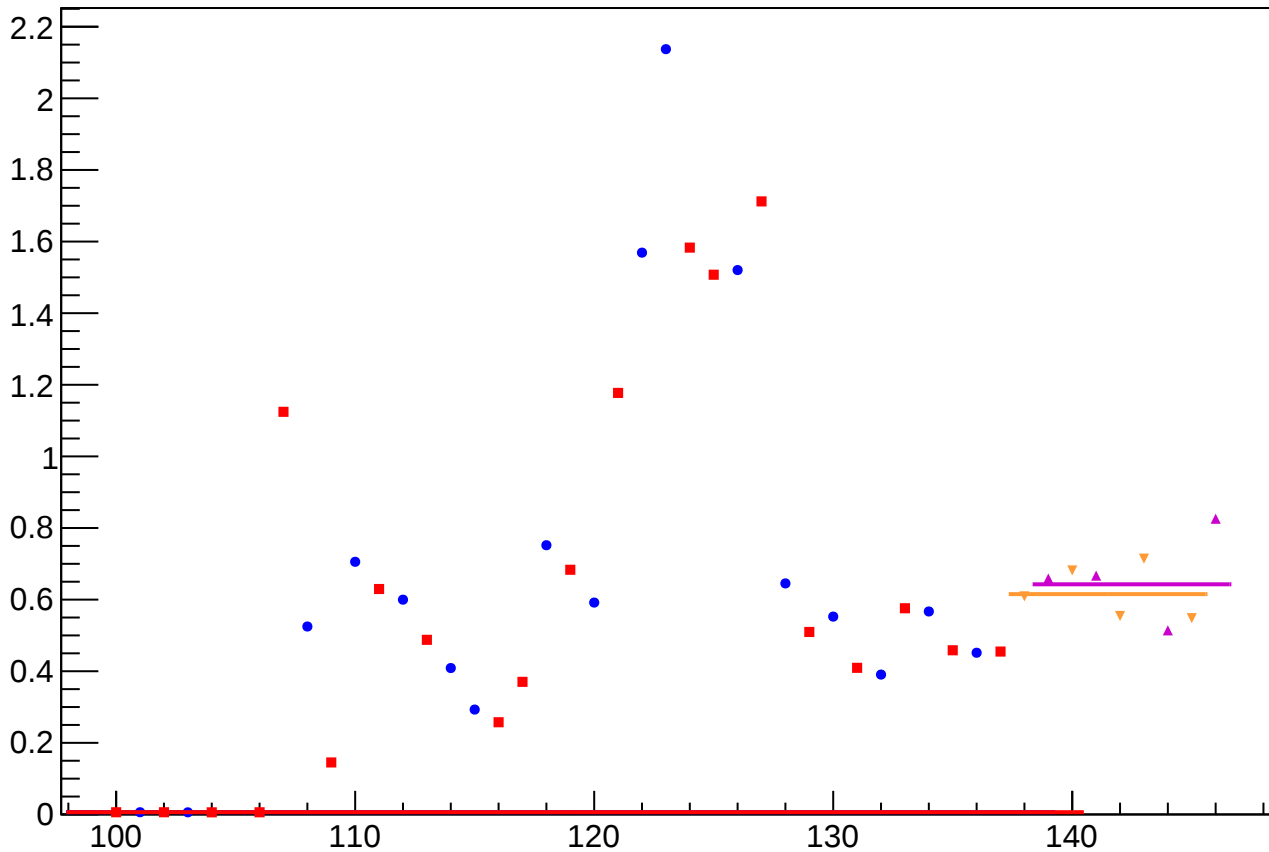
Left In: 146.670+/-0.000 χ^2/NDF : 15493187.5/3

402.909+/-0.000 χ^2/NDF : 1483971614033.7/23

402.829+/-0.000 χ^2/NDF : 495367440991.6/23

402.758+/-0.000 χ^2/NDF : 3469328078123.9/23

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006 +/- 0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.615 +/- 0.000 χ^2/NDF : 43984.5/4

Right Out: 0.006 +/- 0.000 χ^2/NDF : 9258244.0/19

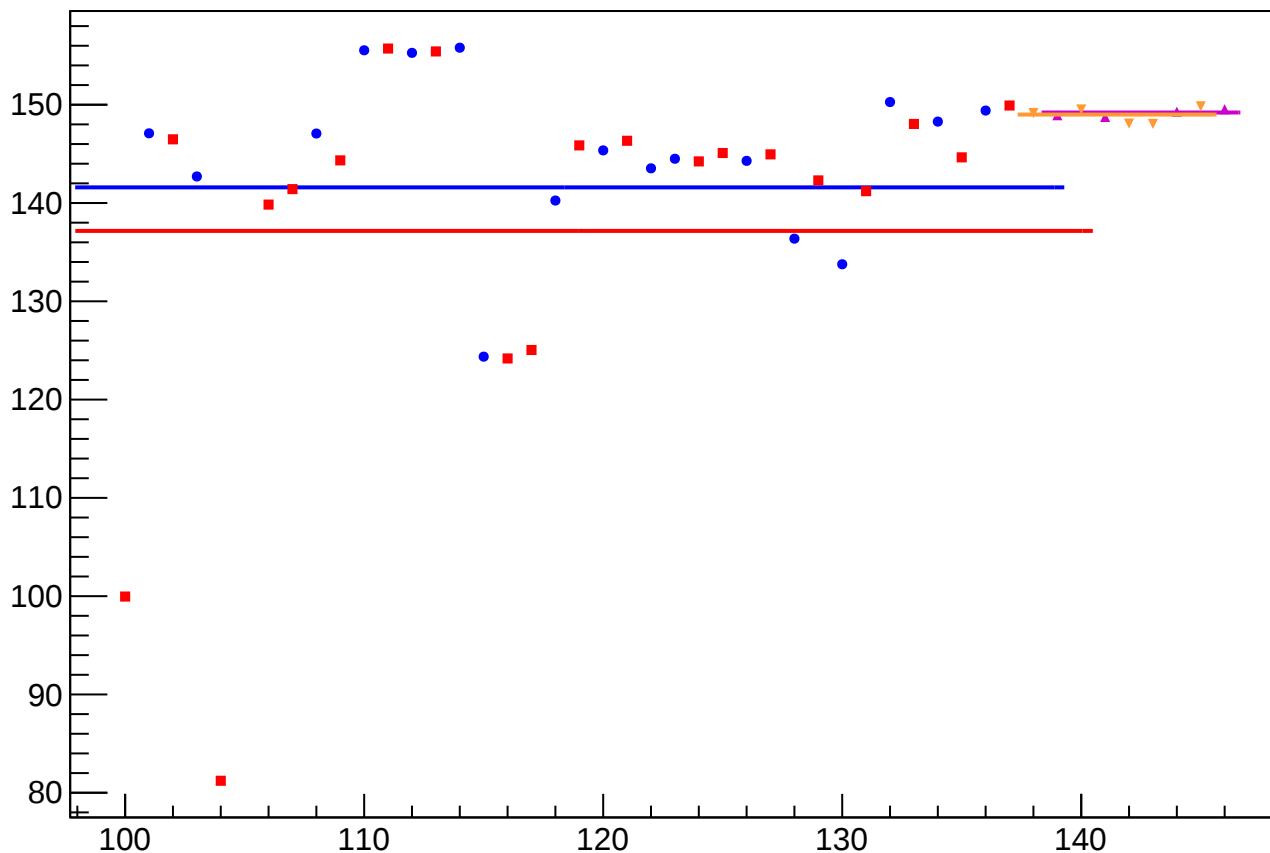
Left In: 0.643 +/- 0.000 χ^2/NDF : 110376.5/3

0.006 +/- 0.000 χ^2/NDF : 13524410.1/21

0.006 +/- 0.000 χ^2/NDF : 27195899.8/45

0.006 +/- 0.000 χ^2/NDF : 13671464.0/23

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593+/-0.000 χ^2/NDF : 980101868.2/16

Left Out: 149.000+/-0.000 χ^2/NDF : 6505742.3/4

Right Out: 137.162+/-0.000 χ^2/NDF : 1366089515.6/19

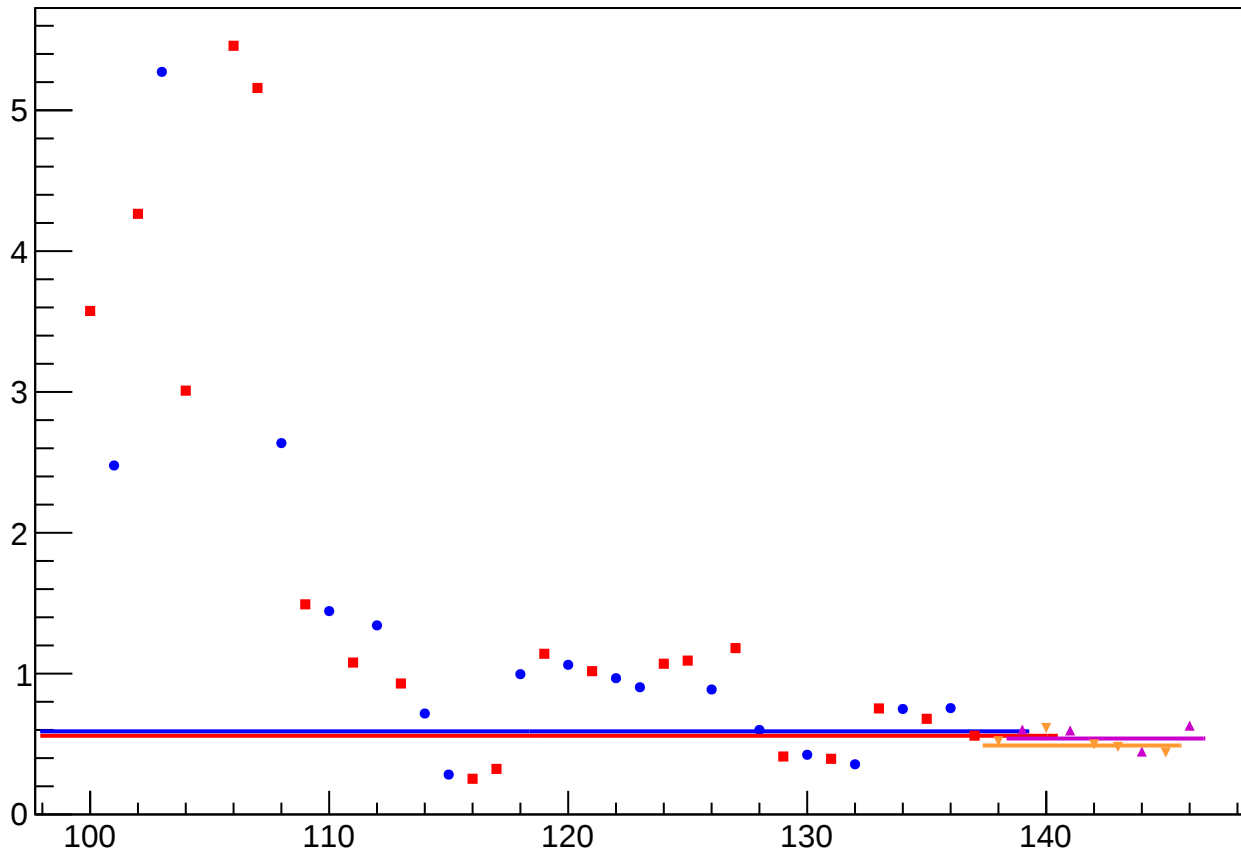
Left In: 149.209+/-0.000 χ^2/NDF : 622505.2/3

145.338+/-0.000 χ^2/NDF : 1266625475.2/21

143.883+/-0.000 χ^2/NDF : 3405061922.5/23

142.335+/-0.000 χ^2/NDF : 2049213200.2/23

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.490+/-0.000 χ^2/NDF : 59127.1/4

Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

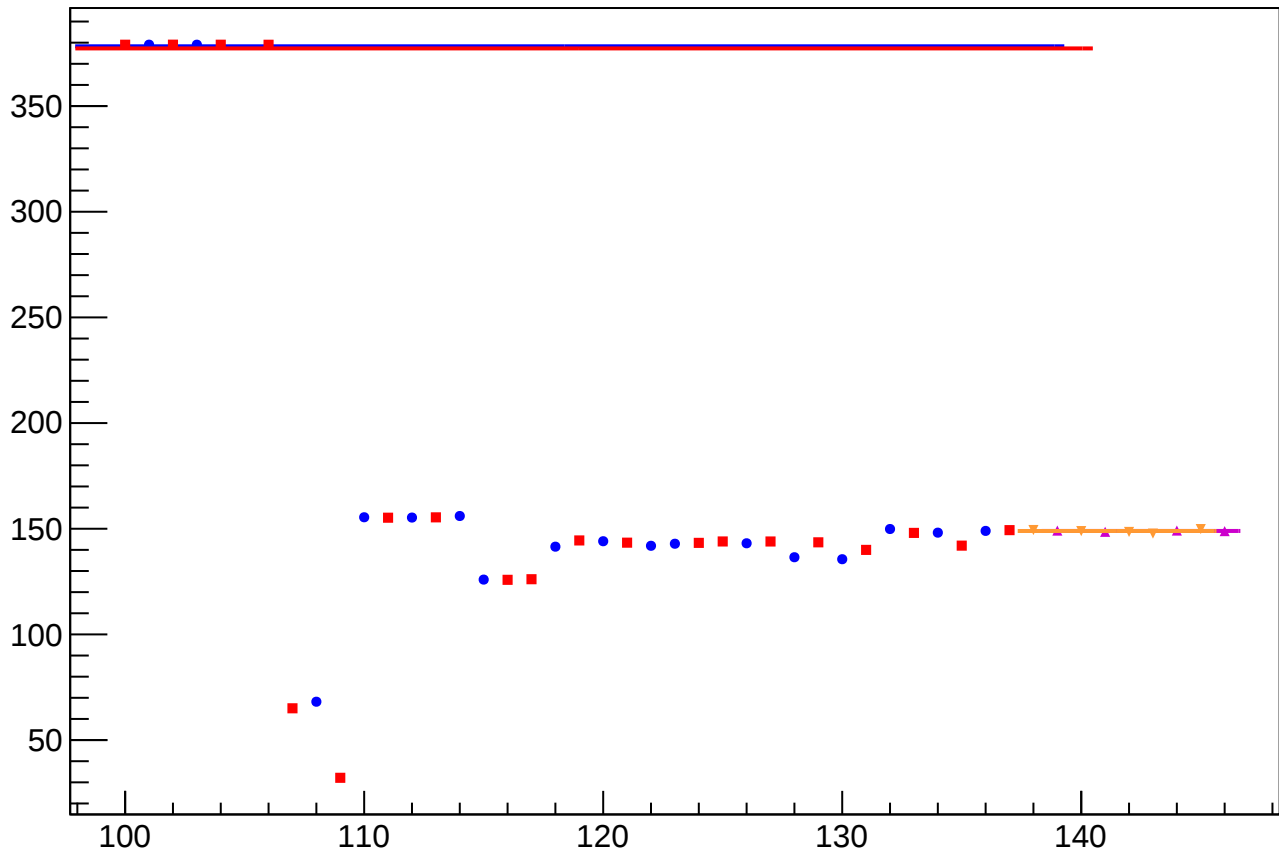
Left In: 0.539+/-0.000 χ^2/NDF : 114993.7/3

0.539+/-0.000 χ^2/NDF : 3654598.7/21

0.545+/-0.000 χ^2/NDF : 8496874.8/45

0.550+/-0.000 χ^2/NDF : 4839875.8/23

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.937+/-0.000 χ^2/NDF : 13110087.9/4

Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

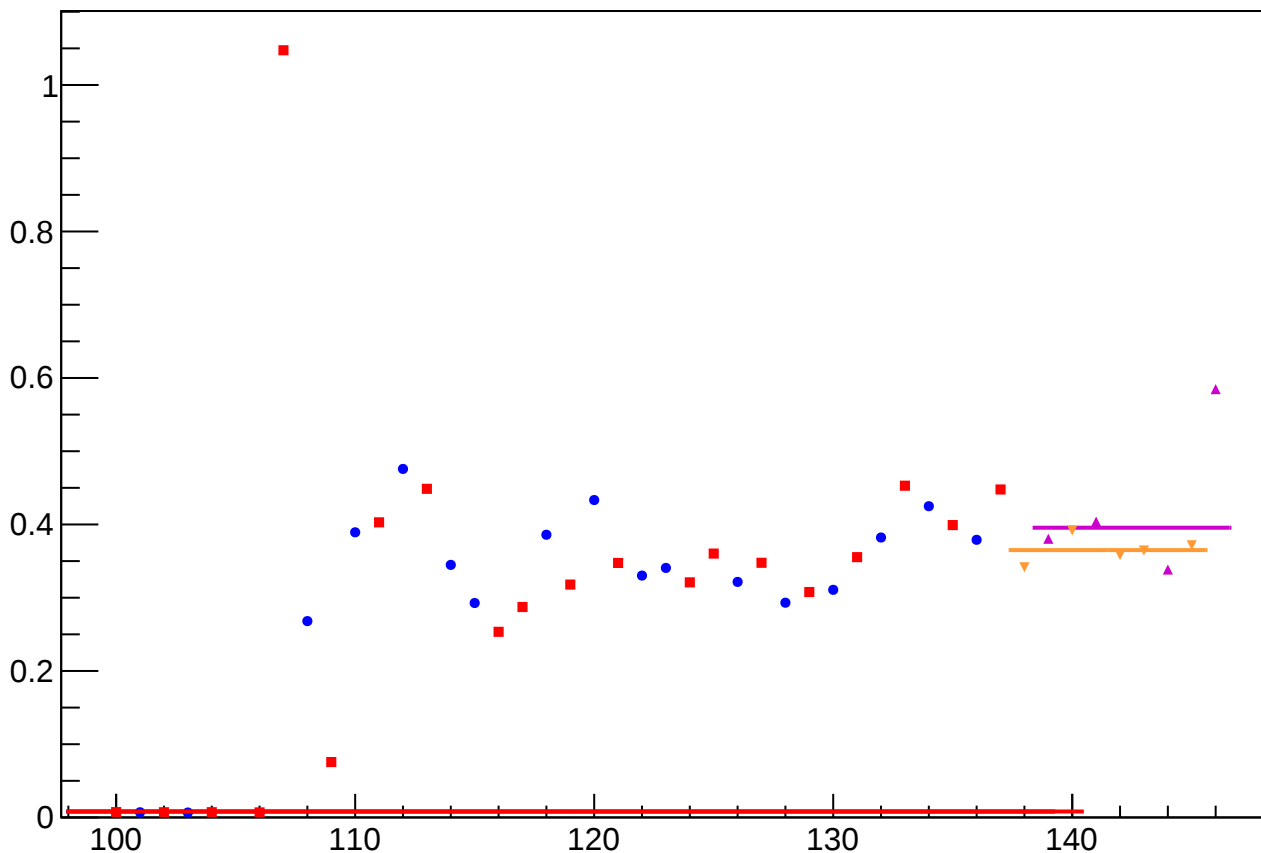
Left In: 148.952+/-0.000 χ^2/NDF : 1261135.7/3

377.864+/-0.000 χ^2/NDF : 3787275632164.0/23

377.397+/-0.000 χ^2/NDF : 131223458978

376.987+/-0.000 χ^2/NDF : 9329605300774.4/23

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.365 $\pm$ 0.000 χ^2/NDF : 14872.8/4

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9589375.6/19

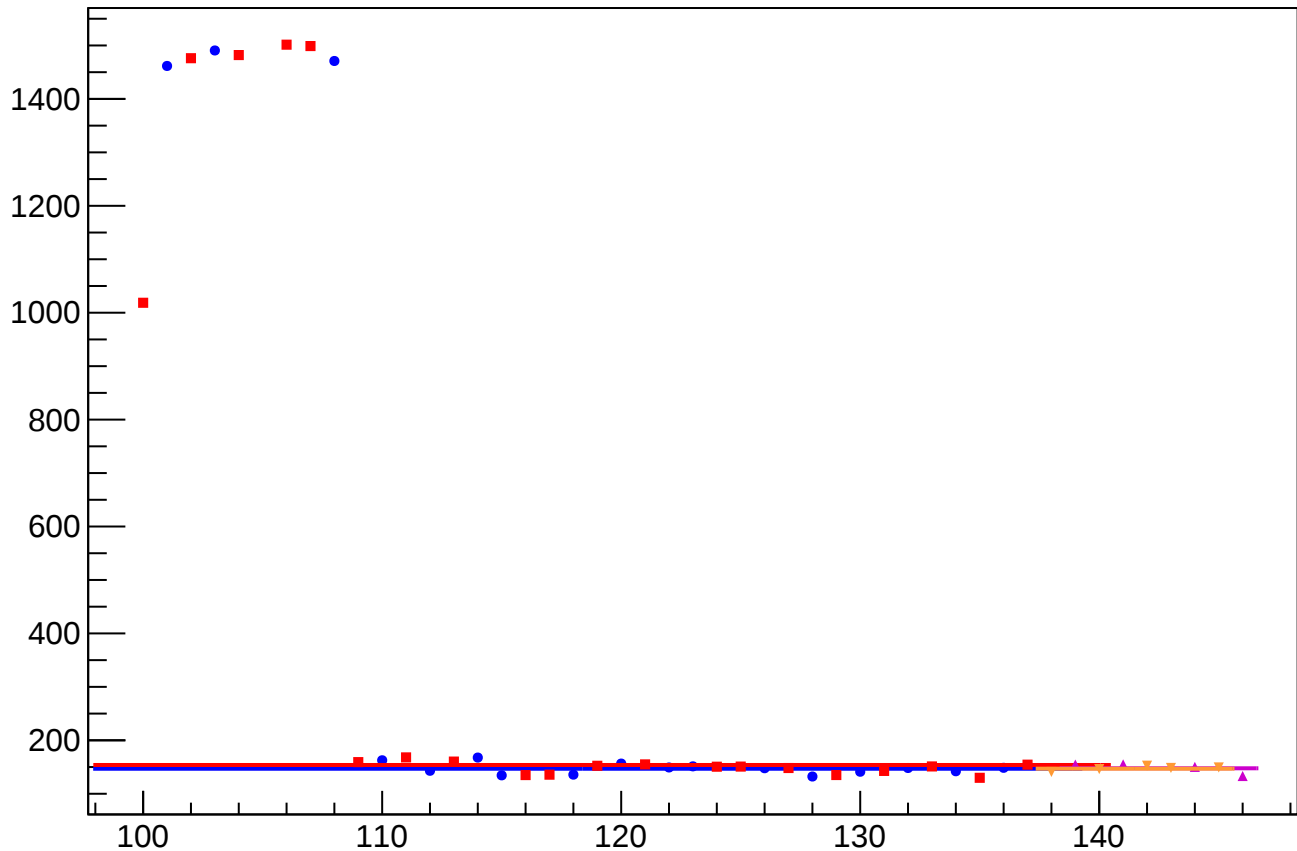
Left In: 0.396 $\pm$ 0.000 χ^2/NDF : 219072.1/3

0.009 $\pm$ 0.000 χ^2/NDF : 16015492.5/21

0.009 $\pm$ 0.000 χ^2/NDF : 31676686.1/45

0.009 $\pm$ 0.000 χ^2/NDF : 15660984.6/23

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819 $\pm$ 0.000 χ^2 /NDF: 24360774977.7/16

Left Out: 146.905 $\pm$ 0.001 χ^2 /NDF: 46947561.0/4

Right Out: 153.832 $\pm$ 0.000 χ^2 /NDF: 33744235949.2/19

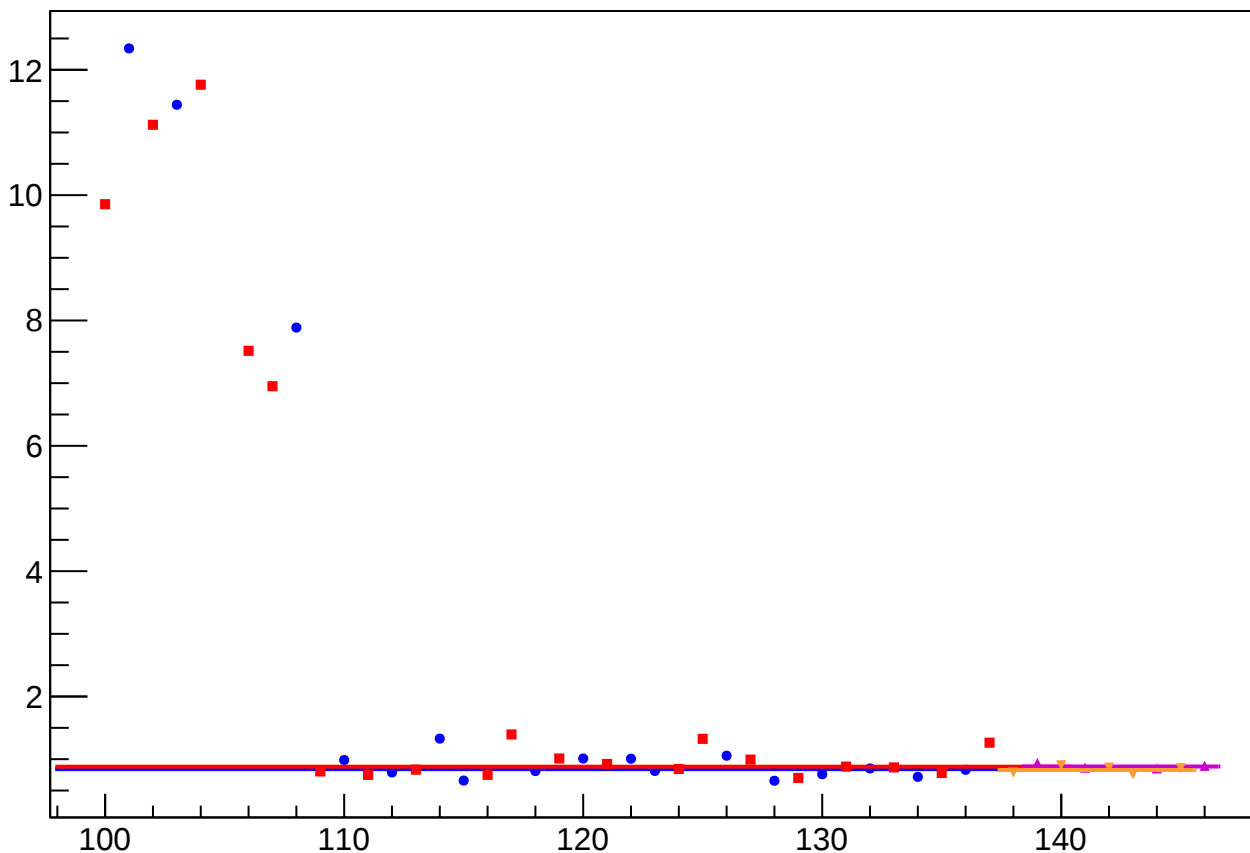
Left In: 147.649 $\pm$ 0.001 χ^2 /NDF: 259910698.7/3

146.852 $\pm$ 0.000 χ^2 /NDF: 24407737699.2/21

149.156 $\pm$ 0.000 χ^2 /NDF: 58581317549.5

151.521 $\pm$ 0.000 χ^2 /NDF: 34079994955.4/23

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.828+/-0.000 χ^2/NDF : 20517.4/4

Right Out: 0.880+/-0.000 χ^2/NDF : 2825356.7/19

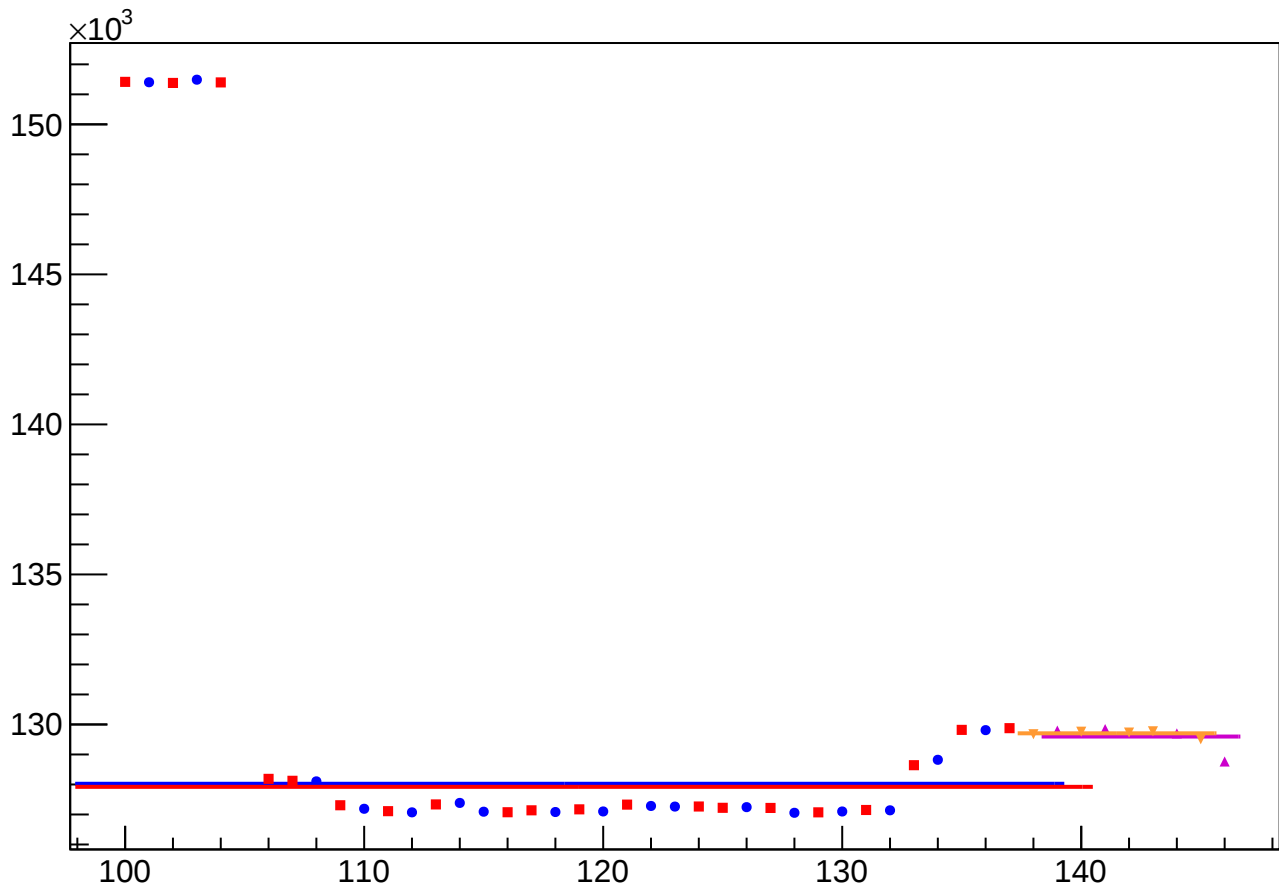
Left In: 0.883+/-0.000 χ^2/NDF : 6191.5/3

0.836+/-0.000 χ^2/NDF : 2683627.1/21

0.858+/-0.000 χ^2/NDF : 5532759.8/45

0.881+/-0.000 χ^2/NDF : 2831577.8/23

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129705.053 $\pm$ 0.095 χ^2 /NDF: 849513.2/4

Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

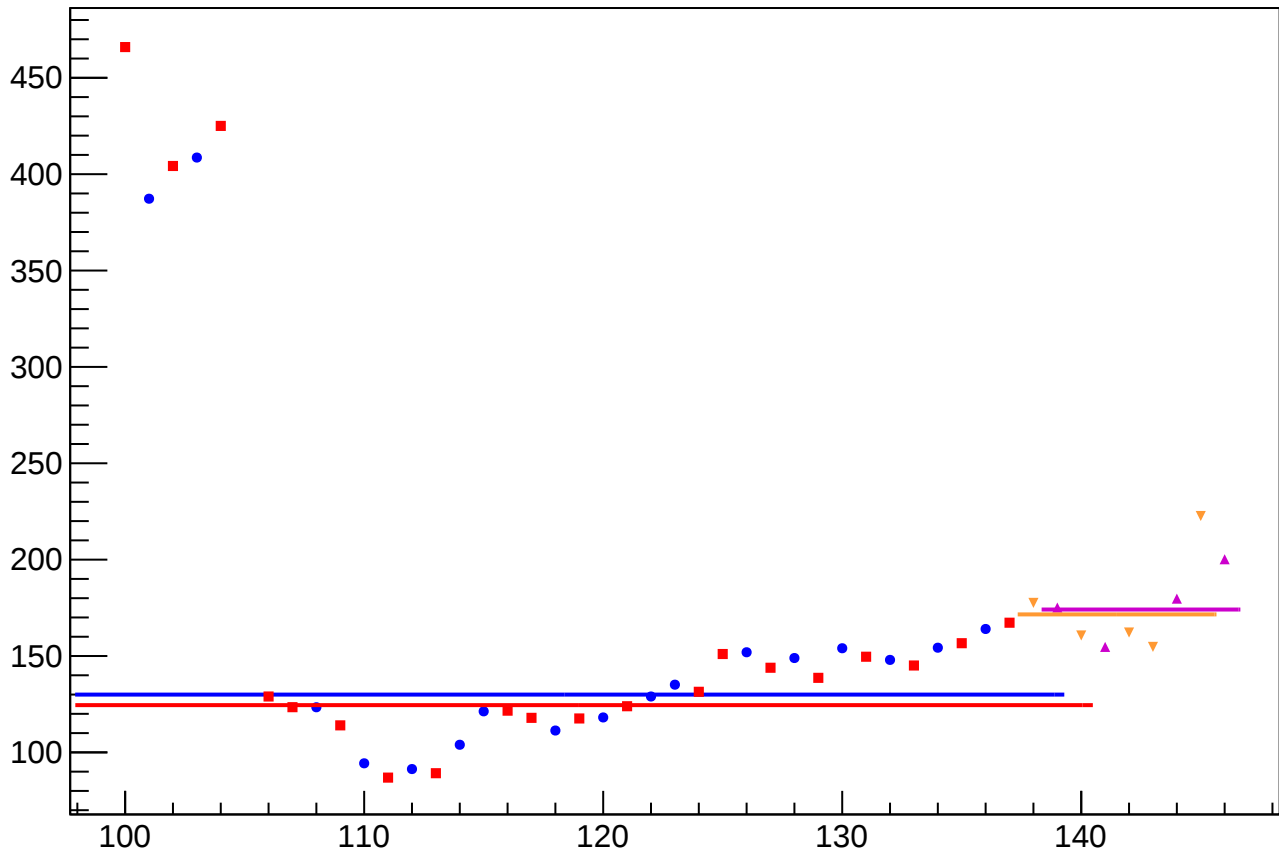
Left In: 129597.638 $\pm$ 0.098 χ^2 /NDF: 16822418.6/3

128439.739 $\pm$ 0.047 χ^2 /NDF: 4552685749.7/21

128349.654 $\pm$ 0.032 χ^2 /NDF: 857709132

128269.364 $\pm$ 0.045 χ^2 /NDF: 4017548176.5/23

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 ± 0.039 χ^2/NDF : 1485519.5/16

Left Out: 171.588 ± 0.067 χ^2/NDF : 107207.8/4

Right Out: 124.514 ± 0.035 χ^2/NDF : 1531546.7/19

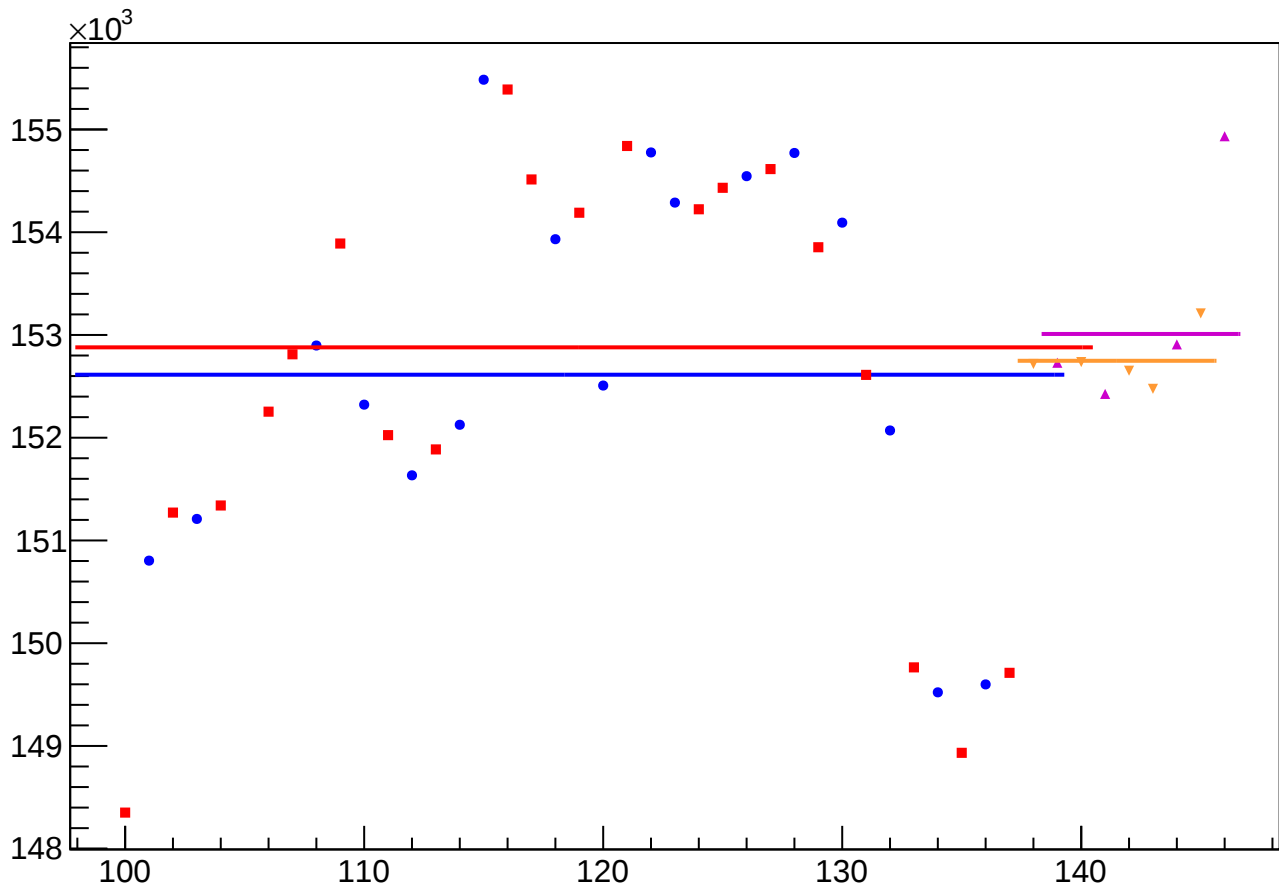
Left In: 174.117 ± 0.069 χ^2/NDF : 54494.0/3

140.278 ± 0.033 χ^2/NDF : 1880858.2/21

137.389 ± 0.023 χ^2/NDF : 3886856.0/45

134.813 ± 0.032 χ^2/NDF : 1991886.8/23

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 152748.682 $\pm$ 0.097 χ^2 /NDF: 6077054.3/4

Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

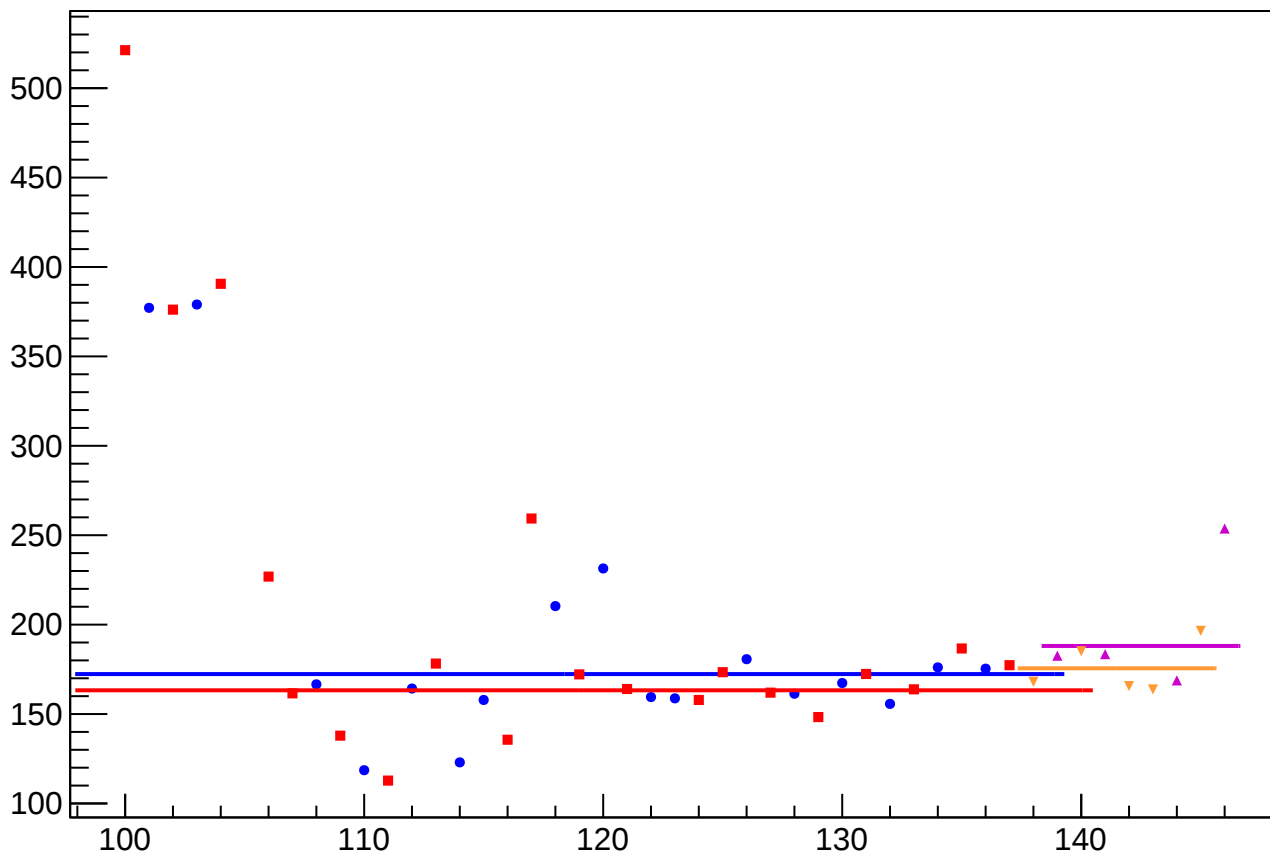
Left In: 153009.722 $\pm$ 0.106 χ^2 /NDF: 55691617.3/3

152661.323 $\pm$ 0.058 χ^2 /NDF: 630684312.1/21

152792.642 $\pm$ 0.040 χ^2 /NDF: 141529017

152915.717 $\pm$ 0.056 χ^2 /NDF: 774679507.2/23

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 175.579+/-0.069 χ^2/NDF : 33677.2/4

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

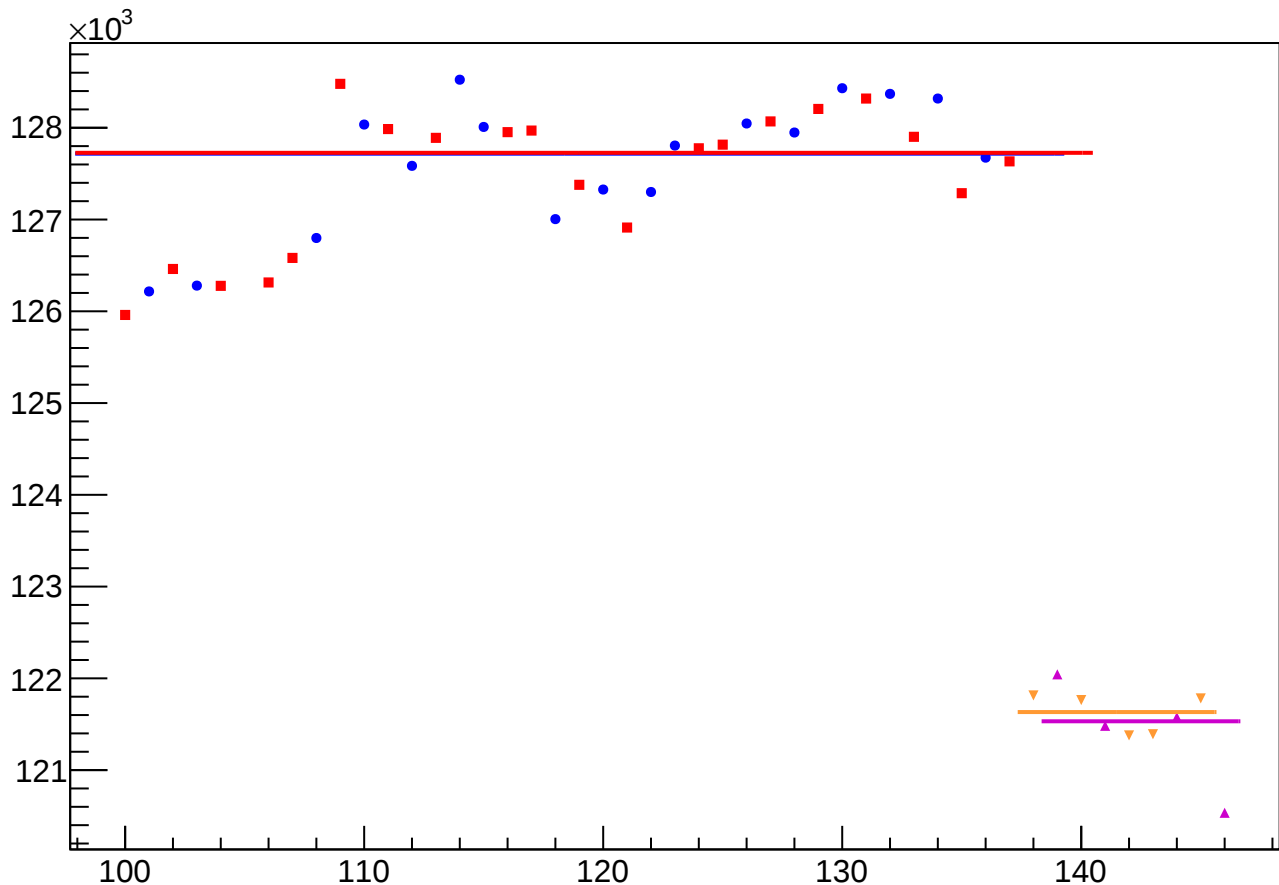
Left In: 188.071+/-0.075 χ^2/NDF : 129706.8/3

173.499+/-0.041 χ^2/NDF : 957007.1/21

171.784+/-0.029 χ^2/NDF : 2211865.9/45

170.176+/-0.040 χ^2/NDF : 1251471.4/23

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 ± 0.058 $\chi^2/\text{NDF}: 95177660.2/16$

Left Out: 121632.704 ± 0.082 $\chi^2/\text{NDF}: 5667737.6/4$

Right Out: 127726.969 ± 0.054 $\chi^2/\text{NDF}: 112752557.5/19$

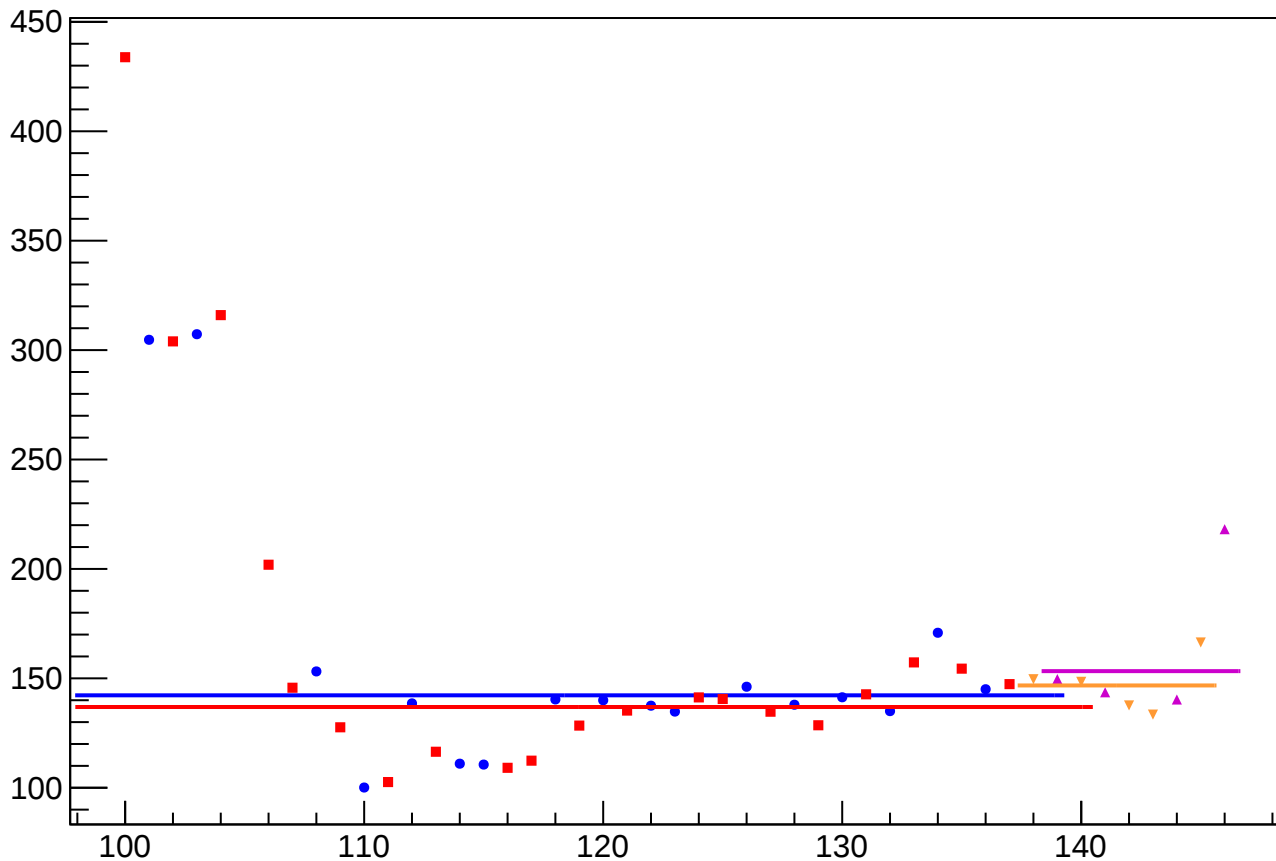
Left In: 121532.003 ± 0.087 $\chi^2/\text{NDF}: 24719970.0/3$

125672.050 ± 0.047 $\chi^2/\text{NDF}: 3765541939.0/21$

125842.282 ± 0.033 $\chi^2/\text{NDF}: 755781845$

126002.607 ± 0.046 $\chi^2/\text{NDF}: 3767322463.9/23$

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 146.752 $\pm$ 0.058 χ^2 /NDF: 37421.4/4

Right Out: 136.904 $\pm$ 0.038 χ^2 /NDF: 961858.5/19

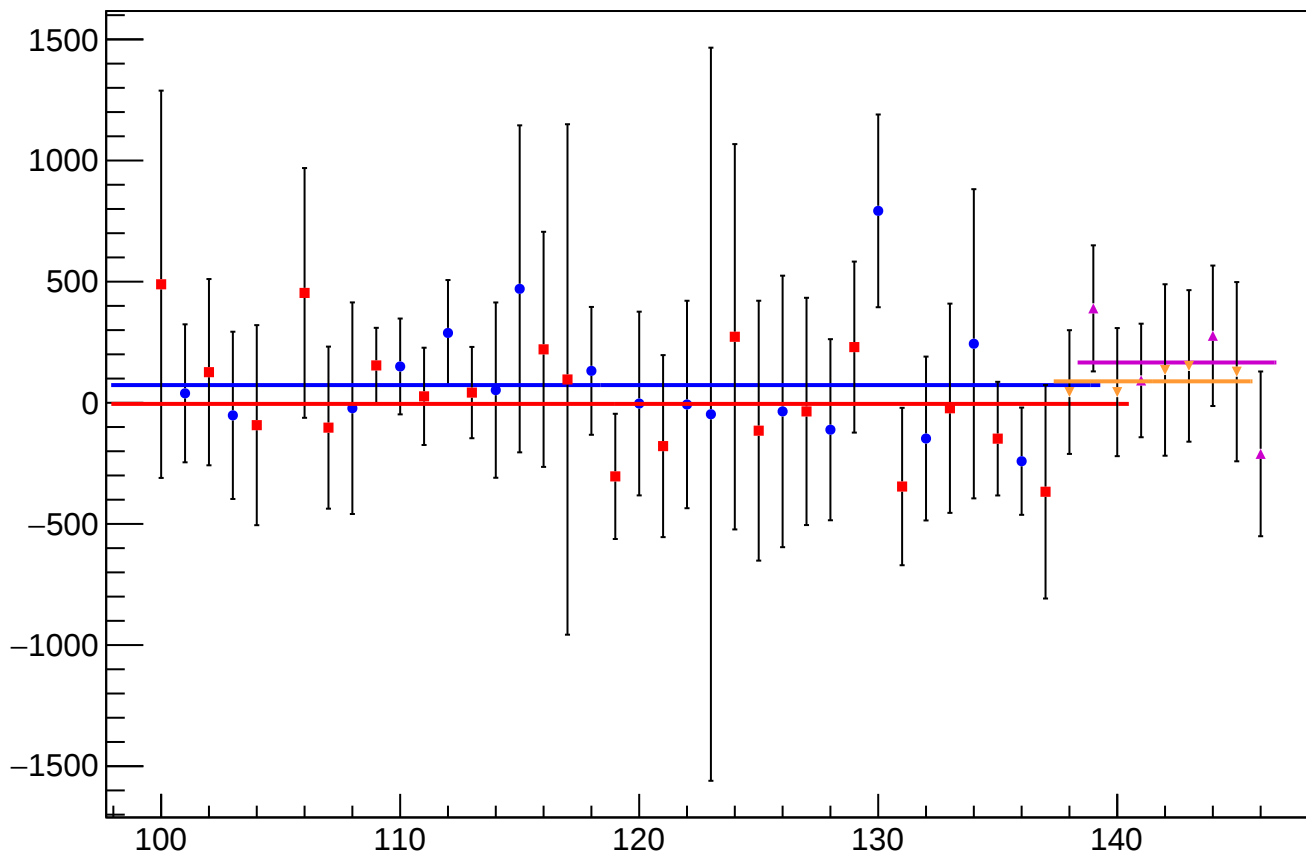
Left In: 153.292 $\pm$ 0.062 χ^2 /NDF: 159695.4/3

143.757 $\pm$ 0.034 χ^2 /NDF: 877864.9/21

142.577 $\pm$ 0.023 χ^2 /NDF: 2052625.3/45

141.465 $\pm$ 0.033 χ^2 /NDF: 1172361.8/23

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 88.585+/-134.649 χ^2/NDF : 0.1/4

Right Out: -4.574+/-69.944 χ^2/NDF : 7.1/19

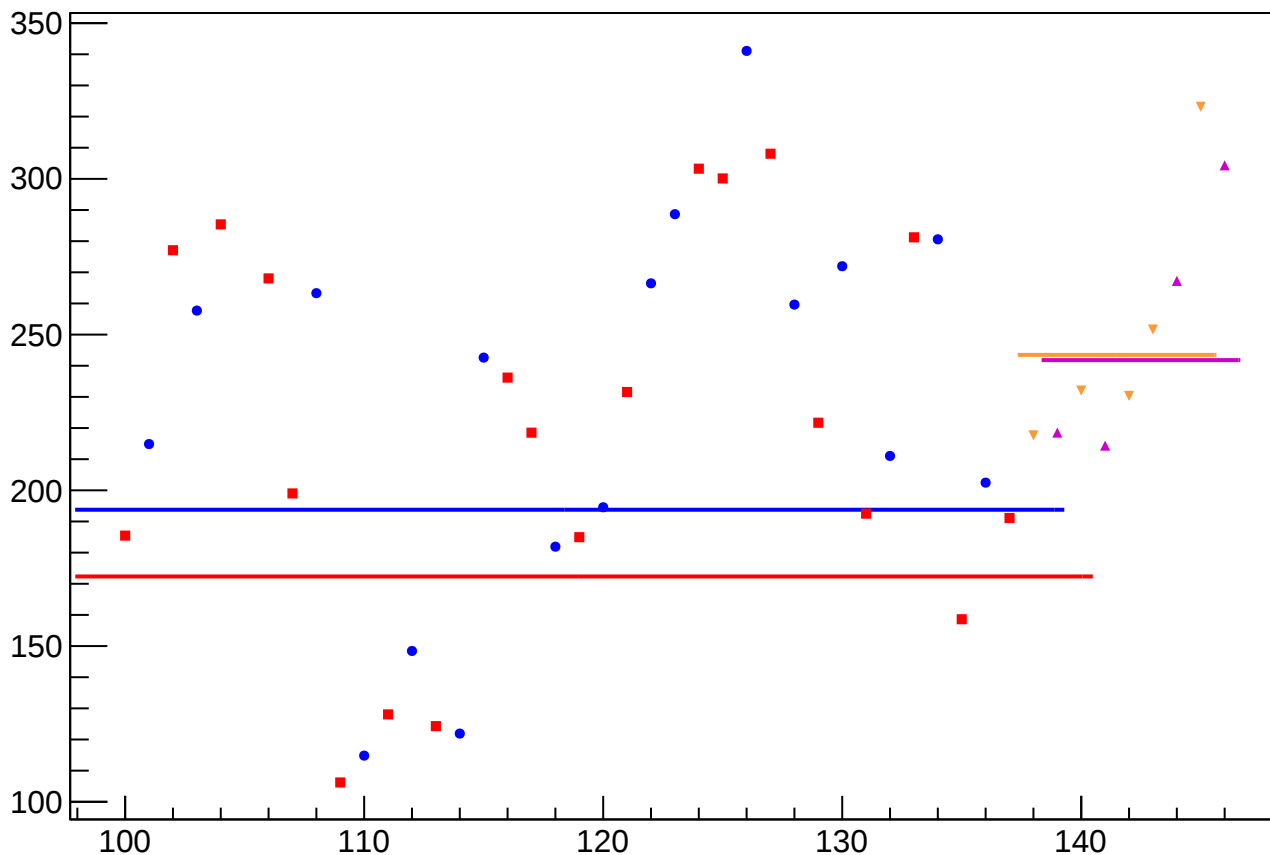
Left In: 166.318+/-136.683 χ^2/NDF : 2.2/3

77.117+/-68.525 χ^2/NDF : 8.0/21

51.796+/-46.082 χ^2/NDF : 18.8/45

30.889+/-62.265 χ^2/NDF : 10.5/23

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 243.489+/-0.095 χ^2/NDF : 121115.2/4

Right Out: 172.346+/-0.049 χ^2/NDF : 1583893.0/19

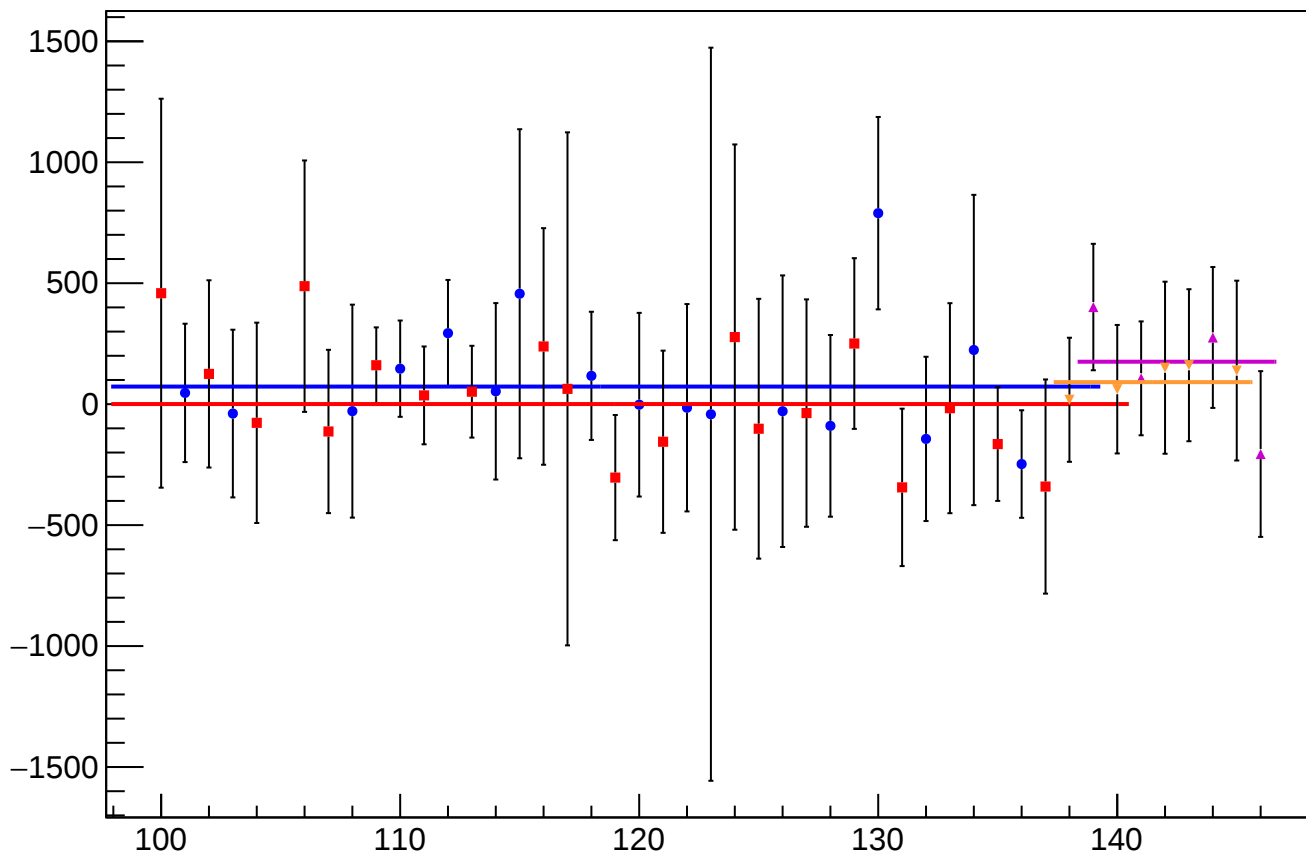
Left In: 241.813+/-0.097 χ^2/NDF : 126531.5/3

206.649+/-0.048 χ^2/NDF : 1340240.3/21

195.756+/-0.033 χ^2/NDF : 3552327.3/45

186.762+/-0.044 χ^2/NDF : 2119820.3/23

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 91.111+/-135.265 χ^2/NDF : 0.2/4

Right Out: 0.459+/-70.312 χ^2/NDF : 7.3/19

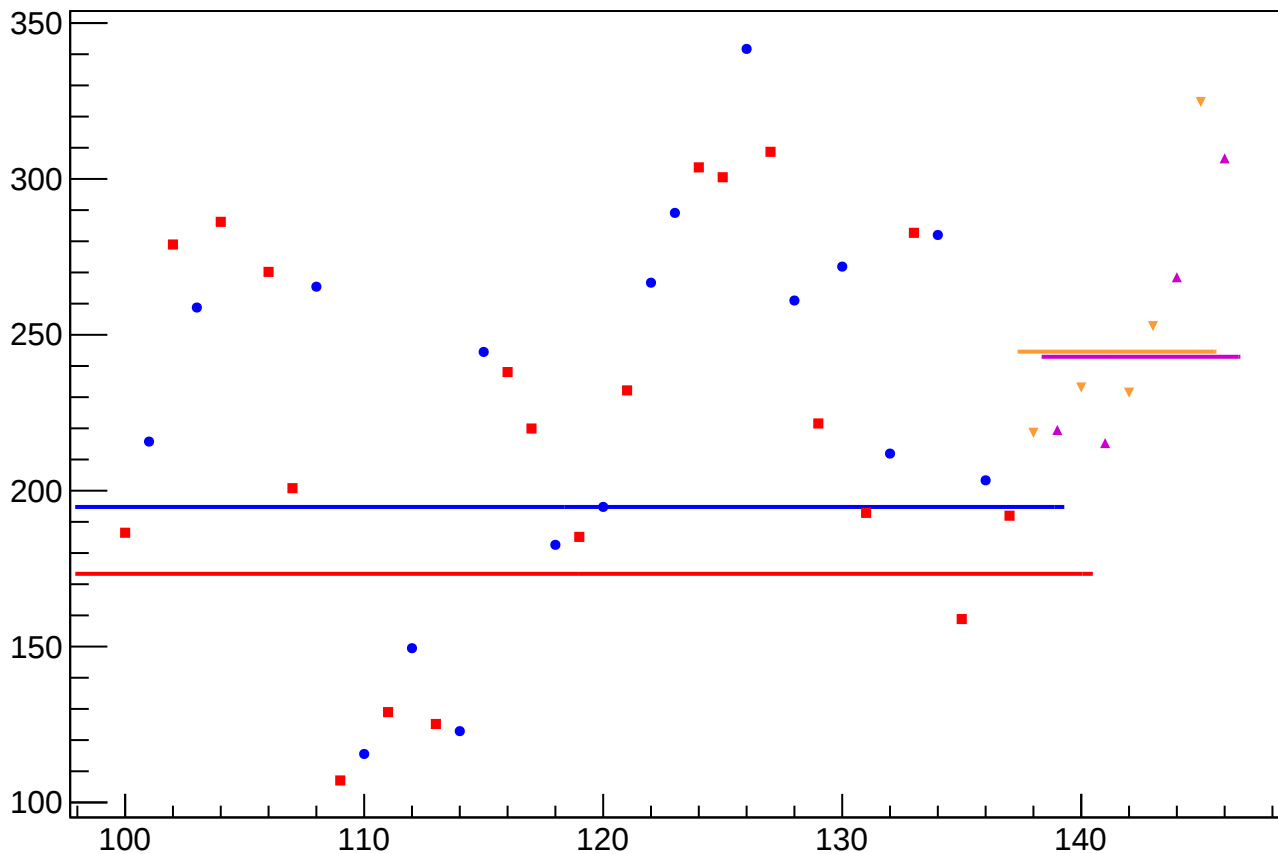
Left In: 175.446+/-137.351 χ^2/NDF : 2.2/3

77.452+/-68.853 χ^2/NDF : 8.0/21

55.189+/-46.313 χ^2/NDF : 18.9/45

36.793+/-62.587 χ^2/NDF : 10.8/23

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2/NDF : 1008292.8/16

Left Out: 244.597 $\pm$ 0.096 χ^2/NDF : 121292.1/4

Right Out: 173.337 $\pm$ 0.050 χ^2/NDF : 1571436.7/19

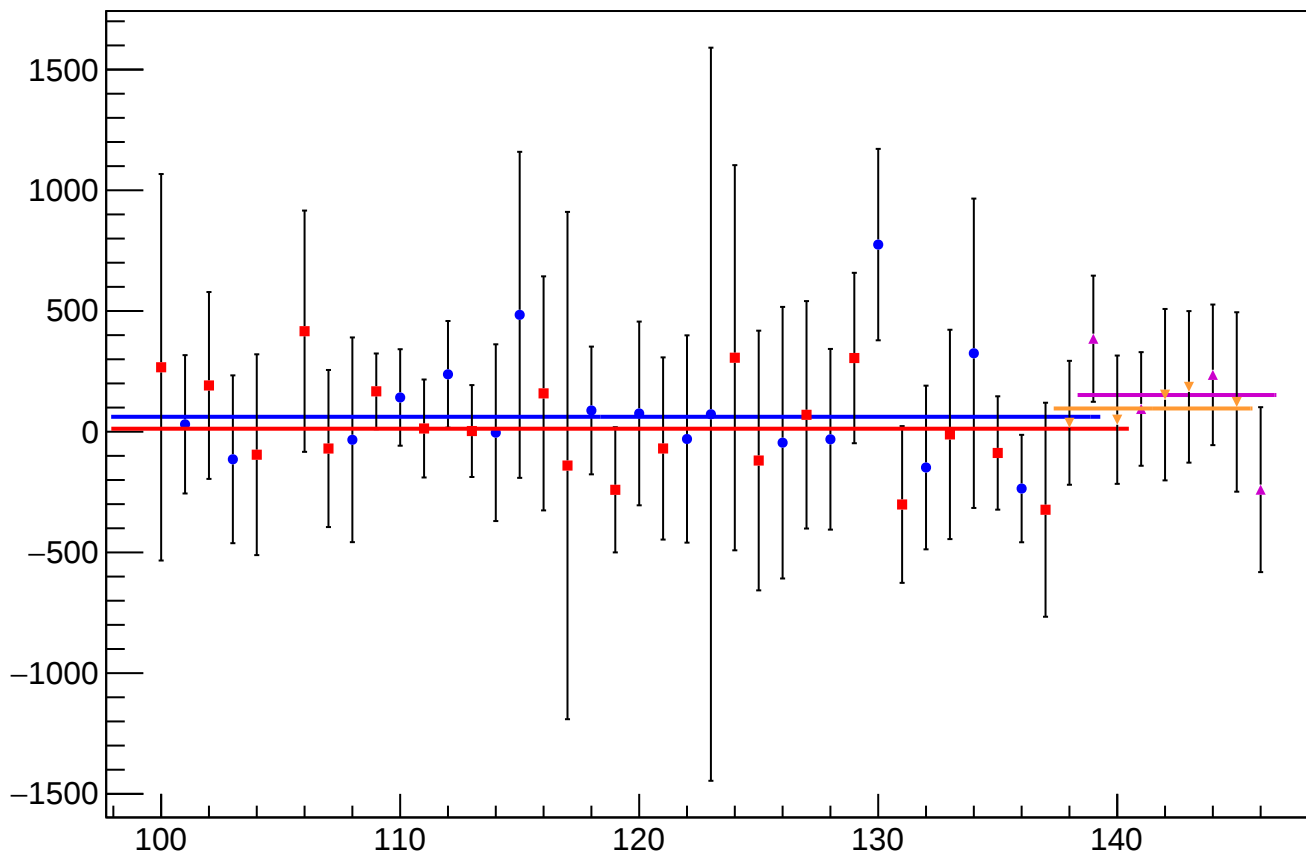
Left In: 242.957 $\pm$ 0.097 χ^2/NDF : 128228.0/3

207.689 $\pm$ 0.049 χ^2/NDF : 1330553.4/21

196.795 $\pm$ 0.033 χ^2/NDF : 3528812.9/45

187.793 $\pm$ 0.044 χ^2/NDF : 2106813.0/23

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 96.223 $\pm$ 135.243 χ^2 /NDF: 0.2/4

Right Out: 12.417 $\pm$ 70.233 χ^2 /NDF: 5.8/19

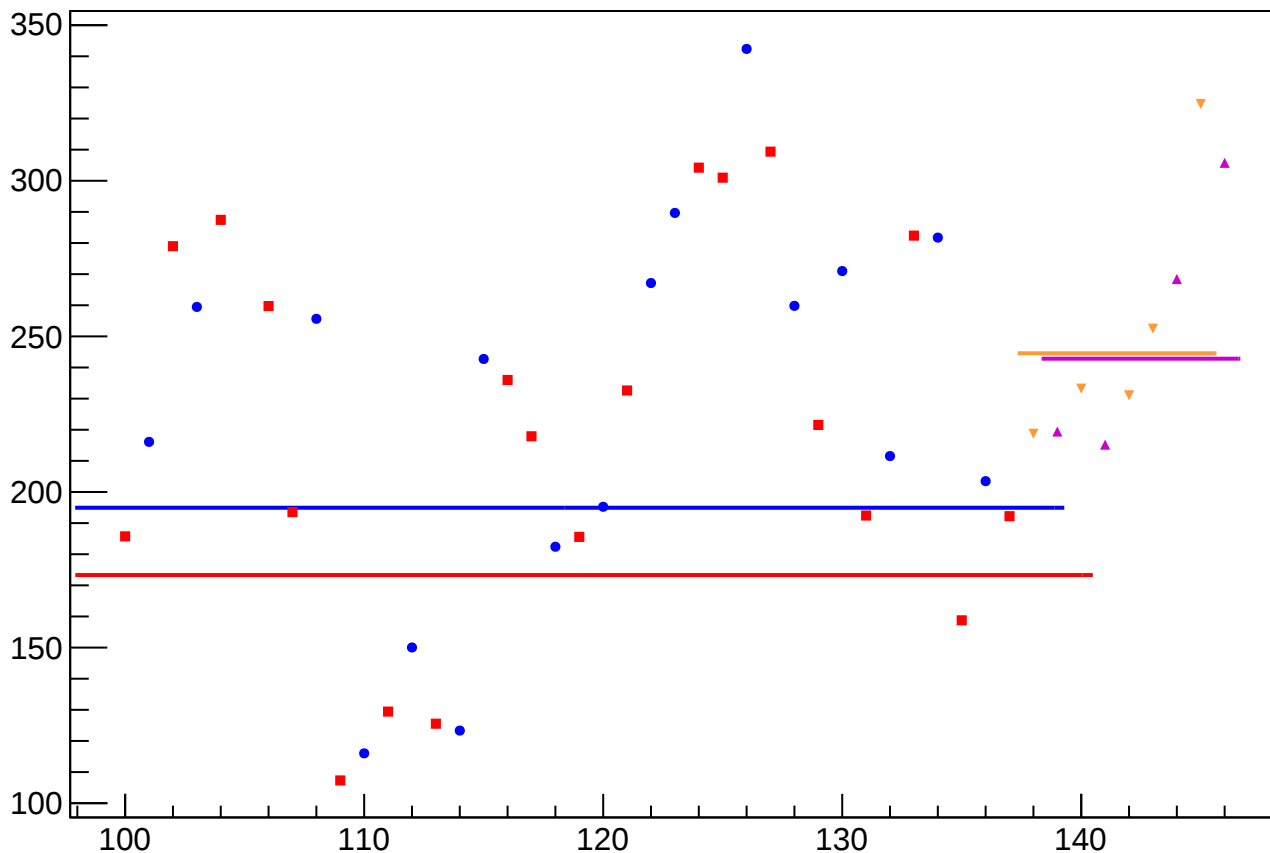
Left In: 152.000 $\pm$ 137.262 χ^2 /NDF: 2.3/3

70.731 $\pm$ 68.847 χ^2 /NDF: 7.5/21

54.645 $\pm$ 46.285 χ^2 /NDF: 16.5/45

41.378 $\pm$ 62.524 χ^2 /NDF: 8.9/23

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2/NDF : 986629.1/16

Left Out: 244.565 $\pm$ 0.096 χ^2/NDF : 120998.7/4

Right Out: 173.309 $\pm$ 0.050 χ^2/NDF : 1548342.3/19

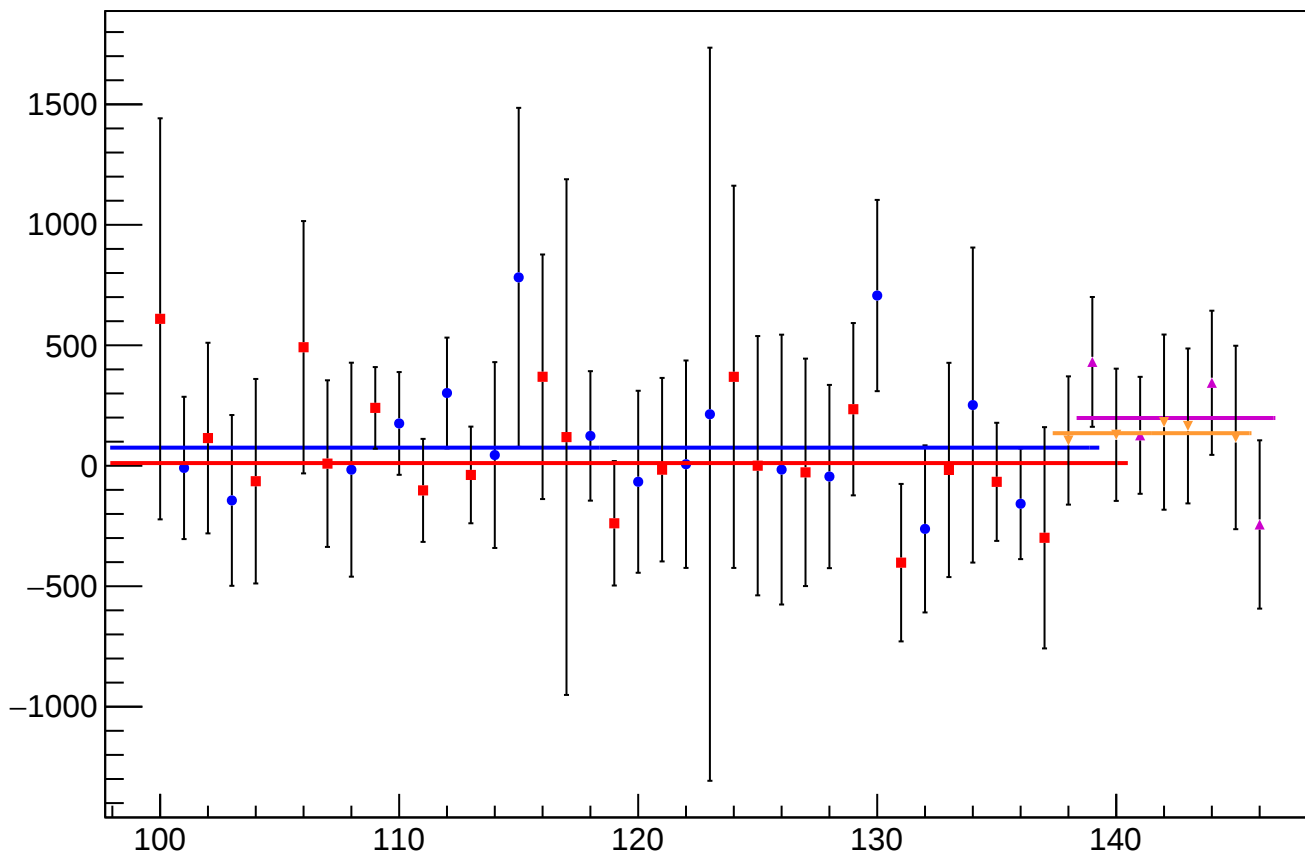
Left In: 242.831 $\pm$ 0.097 χ^2/NDF : 126962.8/3

207.799 $\pm$ 0.049 χ^2/NDF : 1307133.7/21

196.803 $\pm$ 0.033 χ^2/NDF : 3482147.1/45

187.734 $\pm$ 0.044 χ^2/NDF : 2081915.3/23

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 135.231 $\pm$ 139.304 χ^2 /NDF:0.0/4

Right Out: 11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

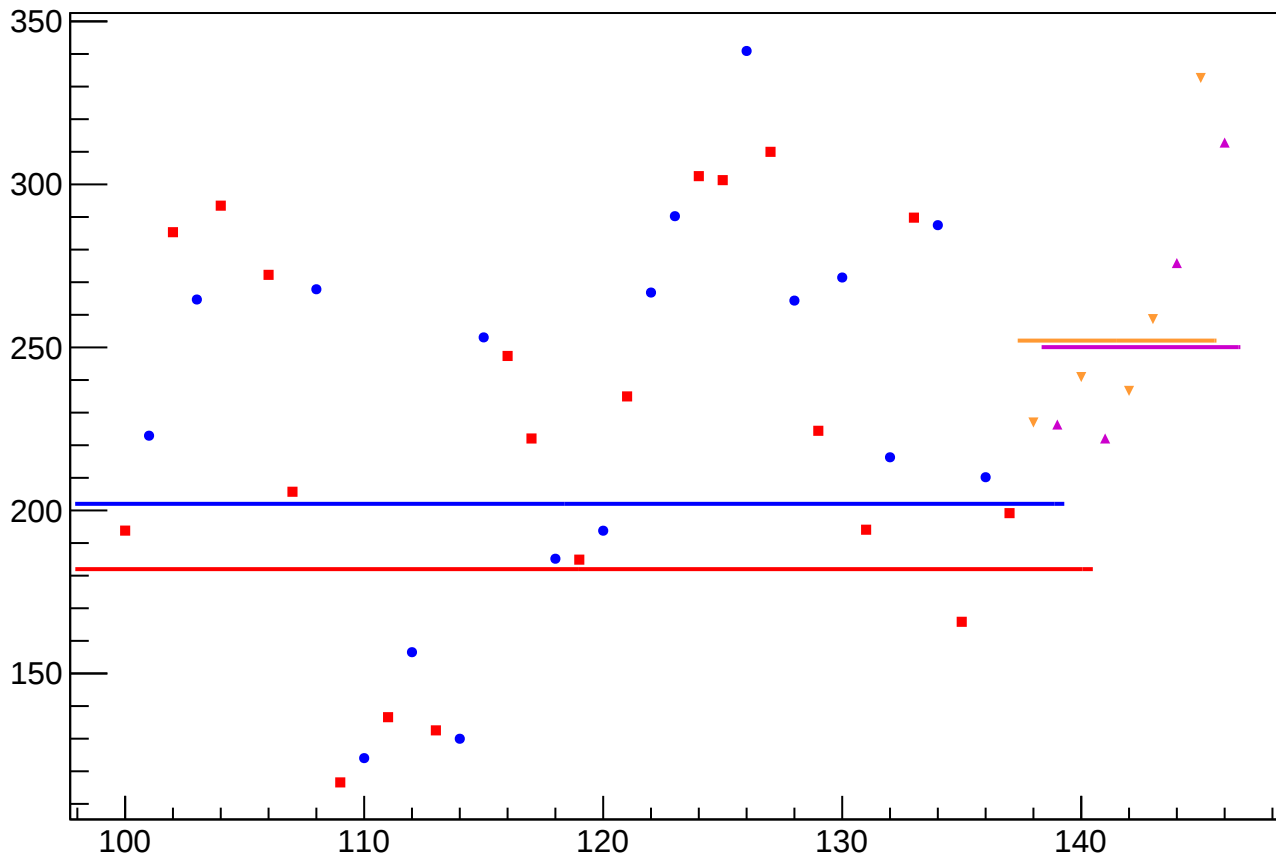
Left In: 198.234 $\pm$ 141.251 χ^2 /NDF:2.7/3

90.794 $\pm$ 70.988 χ^2 /NDF: 7.8/21

69.003 $\pm$ 47.926 χ^2 /NDF: 19.9/45

50.751 $\pm$ 64.968 χ^2 /NDF: 11.9/23

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 252.092 $\pm$ 0.099 χ^2 /NDF:115108.2/4

Right Out: 182.000 $\pm$ 0.052 χ^2 /NDF: 1380354.3/19

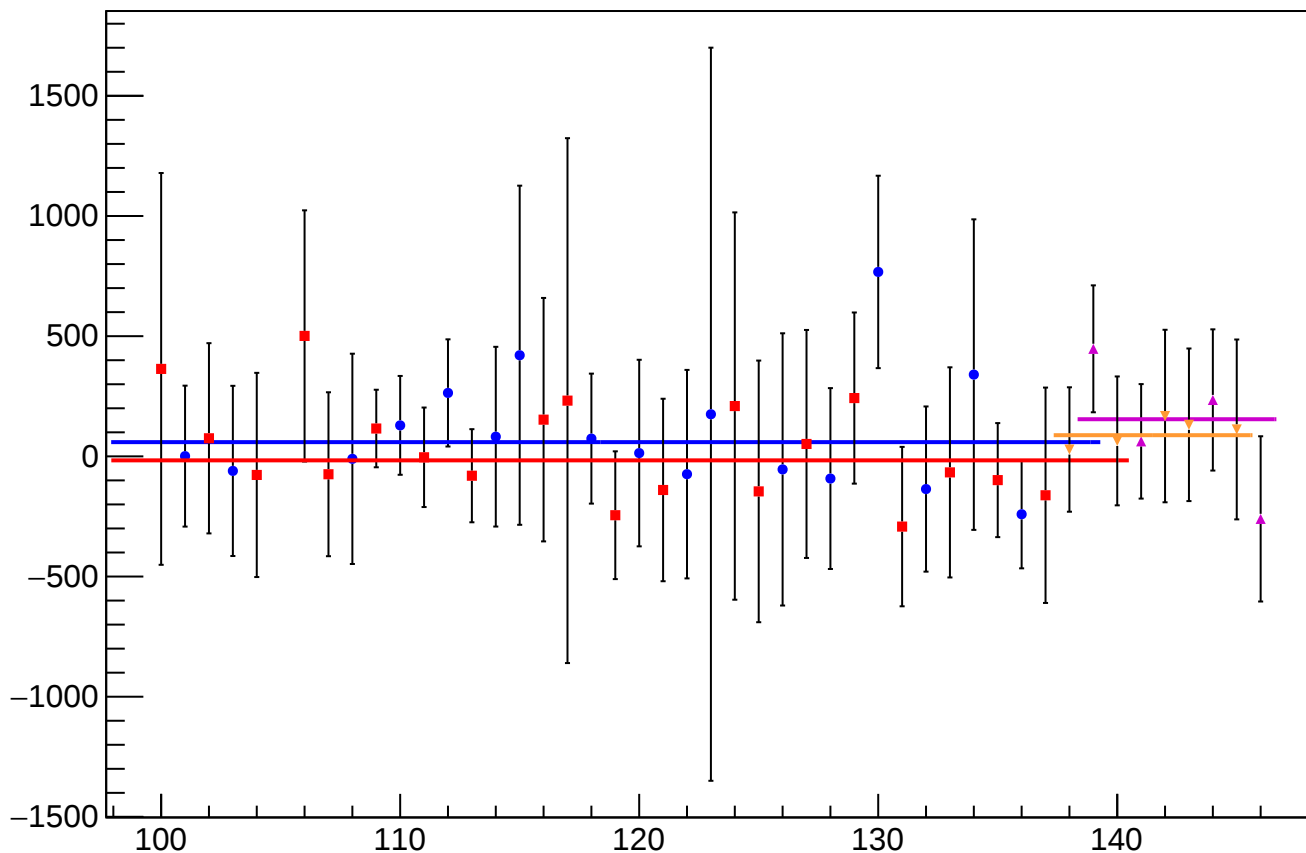
Left In: 250.087 $\pm$ 0.100 χ^2 /NDF:121543.9/3

215.030 $\pm$ 0.050 χ^2 /NDF: 1187947.8/21

204.893 $\pm$ 0.034 χ^2 /NDF: 3131179.7/45

196.403 $\pm$ 0.046 χ^2 /NDF: 1868299.2/23

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 88.068 $\pm$ 136.499 χ^2 /NDF: 0.1/4

Right Out: -16.650 $\pm$ 71.745 χ^2 /NDF: 4.7/19

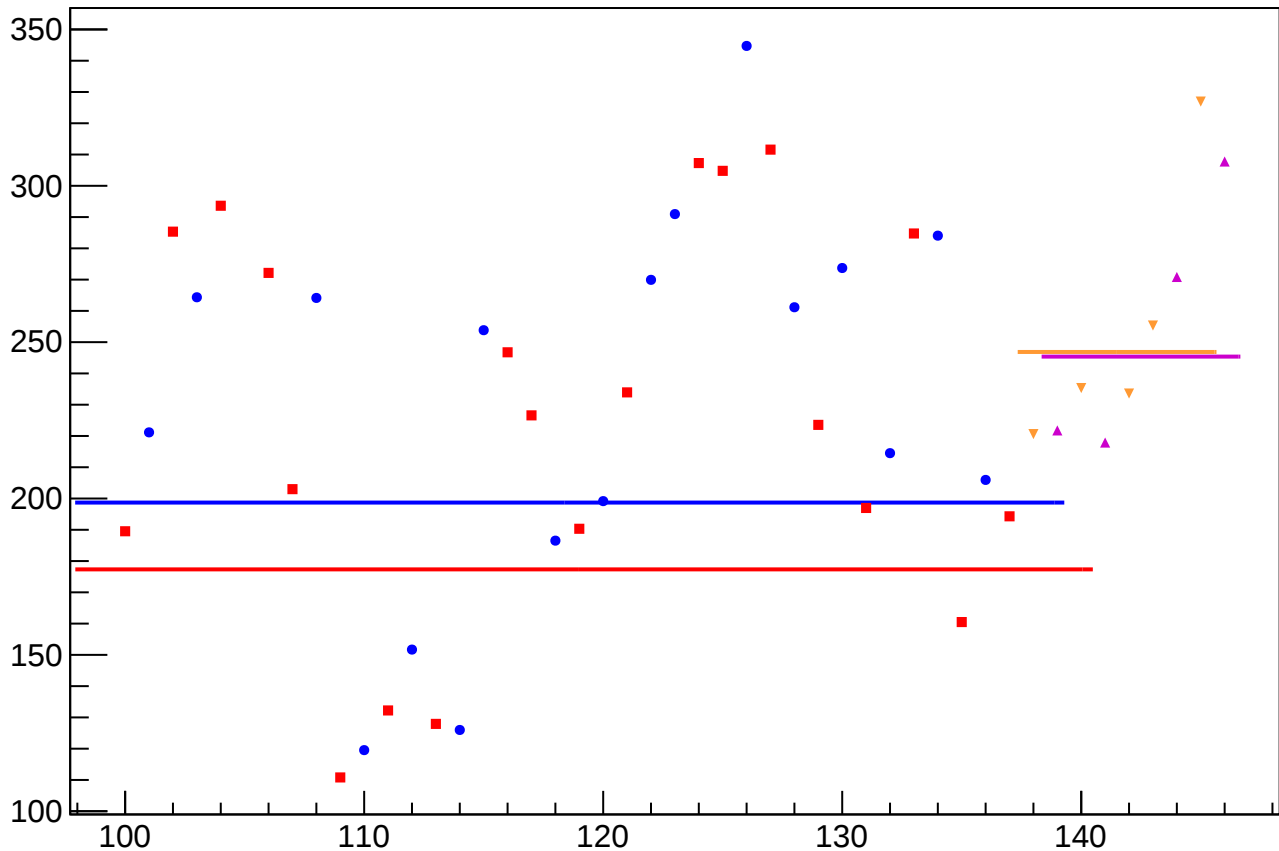
Left In: 154.478 $\pm$ 138.649 χ^2 /NDF: 2.9/3

66.757 $\pm$ 69.923 χ^2 /NDF: 7.3/21

40.936 $\pm$ 47.097 χ^2 /NDF: 16.4/45

19.493 $\pm$ 63.719 χ^2 /NDF: 8.8/23

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 246.866 $\pm$ 0.097 χ^2 /NDF: 120034.0/4

Right Out: 177.338 $\pm$ 0.051 χ^2 /NDF: 1528976.8/19

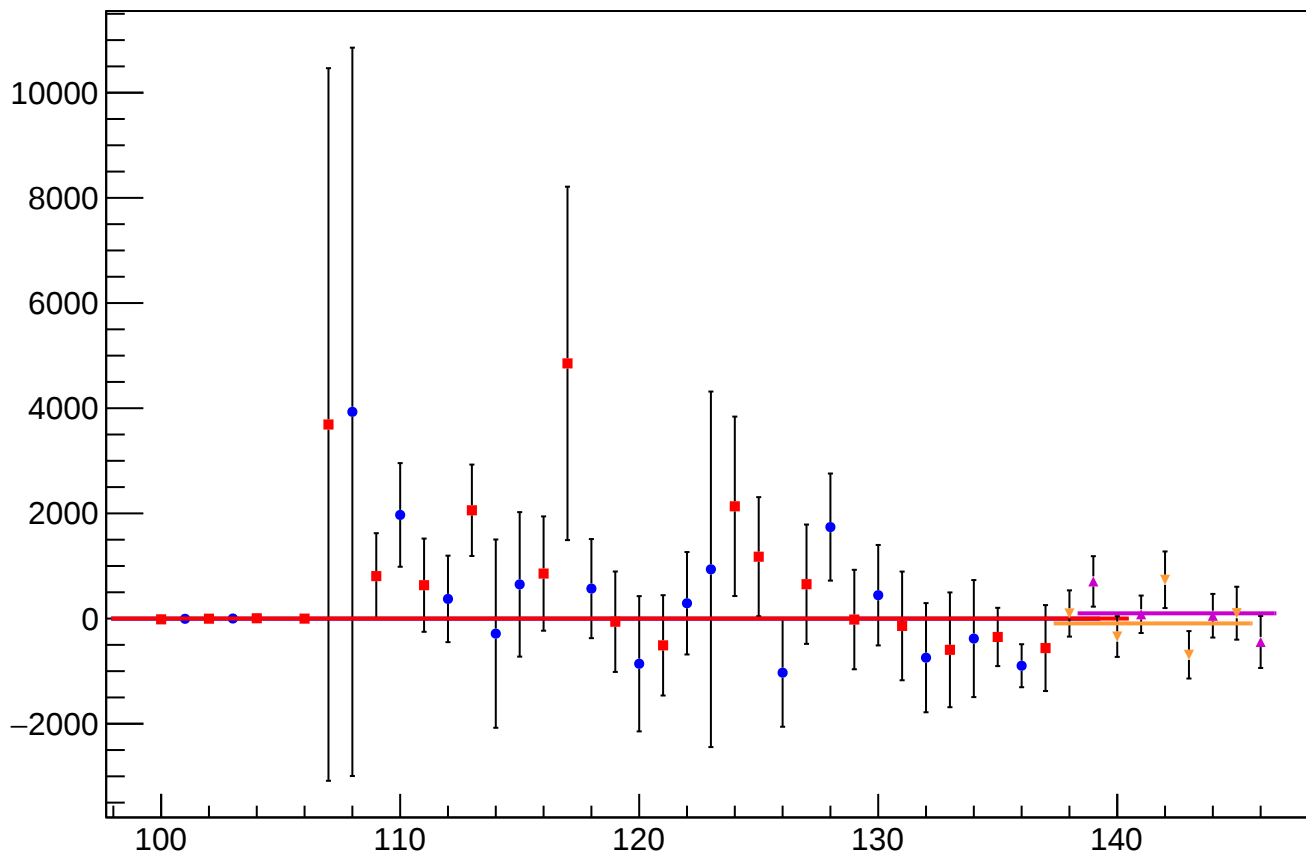
Left In: 245.382 $\pm$ 0.098 χ^2 /NDF: 123522.3/3

211.342 $\pm$ 0.049 χ^2 /NDF: 1267086.1/21

200.617 $\pm$ 0.033 χ^2 /NDF: 3385682.4/45

191.710 $\pm$ 0.045 χ^2 /NDF: 2032460.2/23

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -92.136 ± 203.361 χ^2/NDF : 4.9/4

Right Out: 0.733 ± 2.111 χ^2/NDF : 20.5/19

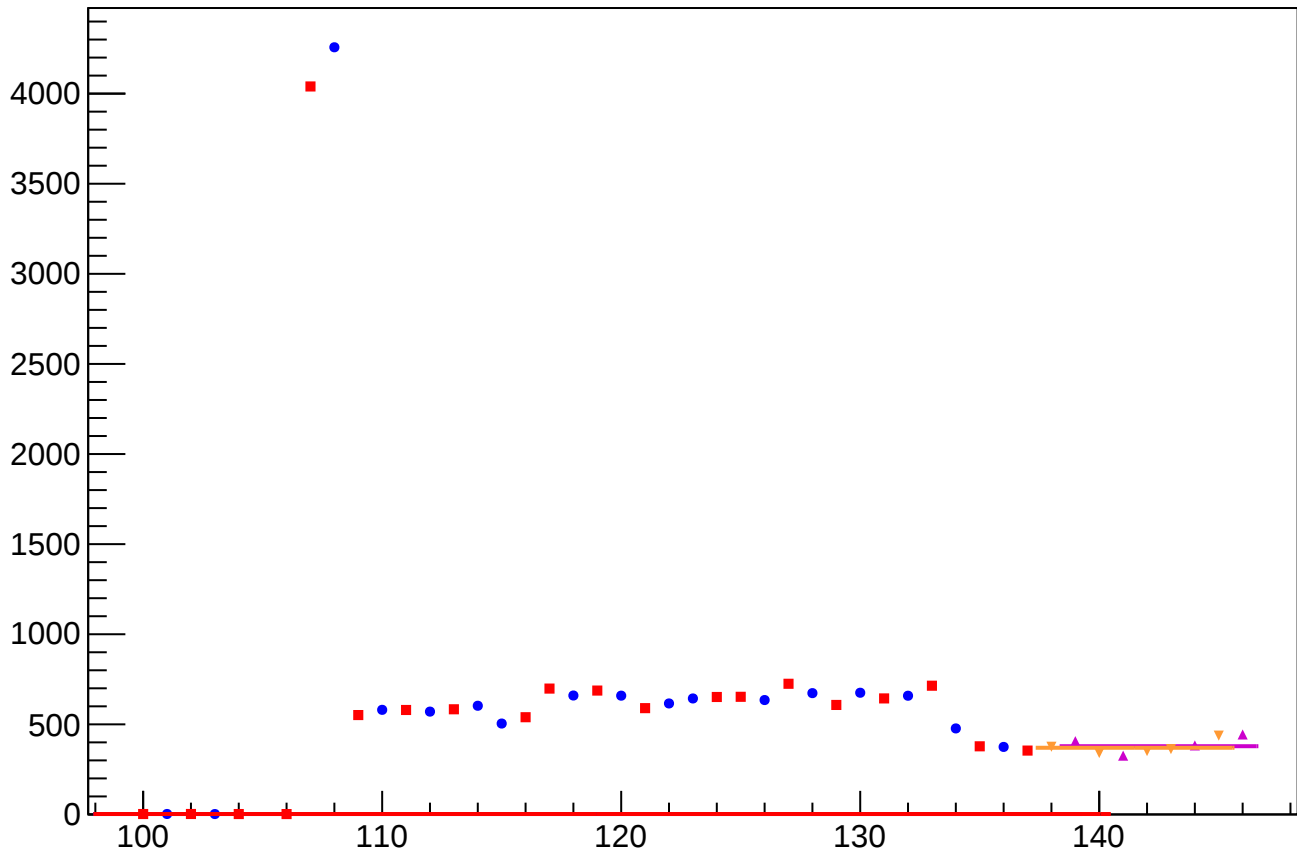
Left In: 99.558 ± 212.593 χ^2/NDF : 2.8/3

-1.540 ± 2.251 χ^2/NDF : 21.7/21

-0.325 ± 1.540 χ^2/NDF : 45.8/45

0.743 ± 2.111 χ^2/NDF : 23.5/23

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 370.080+/-0.144 χ^2/NDF : 50463.0/4

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

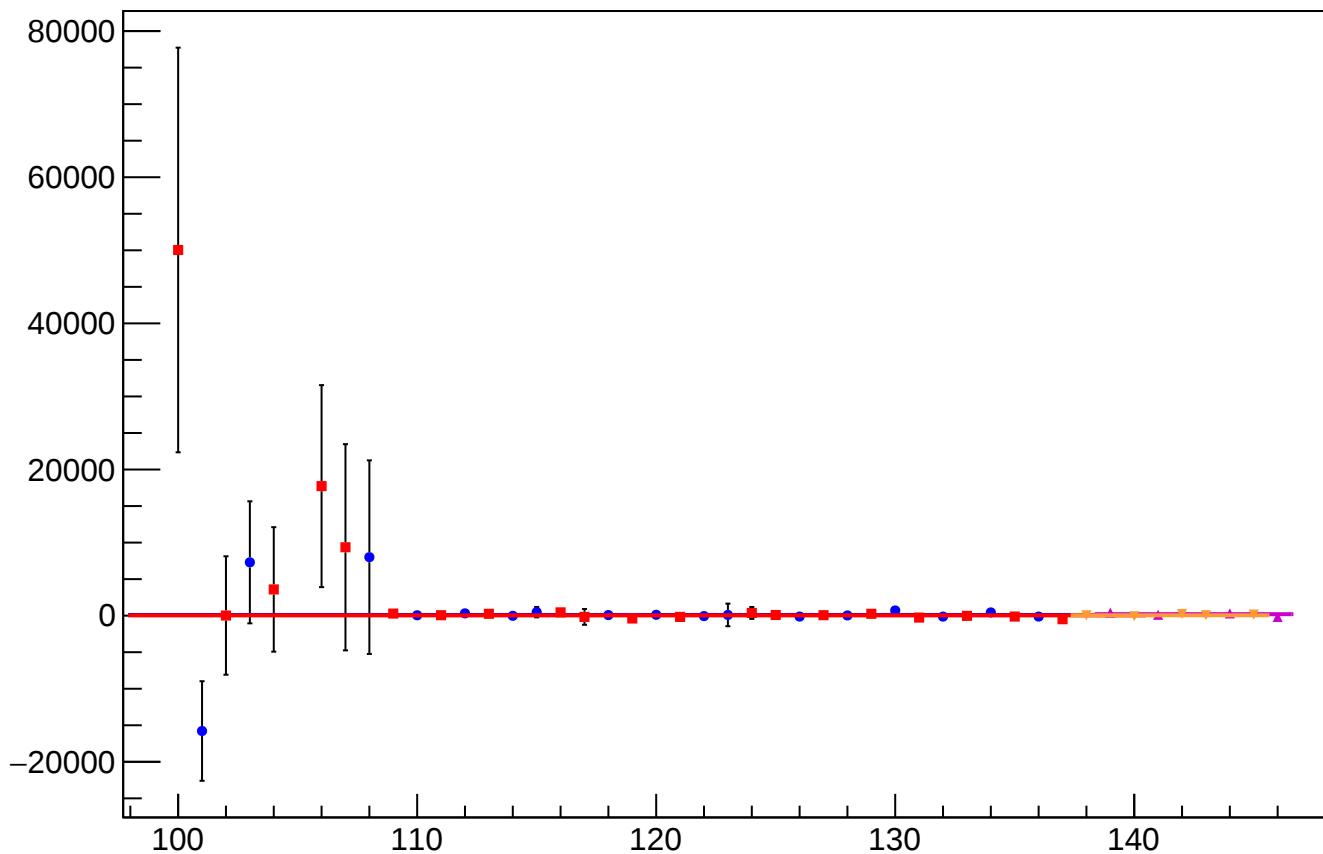
Left In: 378.725+/-0.150 χ^2/NDF : 85090.4/3

2.501+/-0.002 χ^2/NDF : 17291842.7/21

2.487+/-0.001 χ^2/NDF : 34868258.3/45

2.474+/-0.001 χ^2/NDF : 17576260.9/23

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 51.998+/-141.605 χ^2/NDF : 0.5/4

Right Out: 41.335+/-84.288 χ^2/NDF : 14.0/19

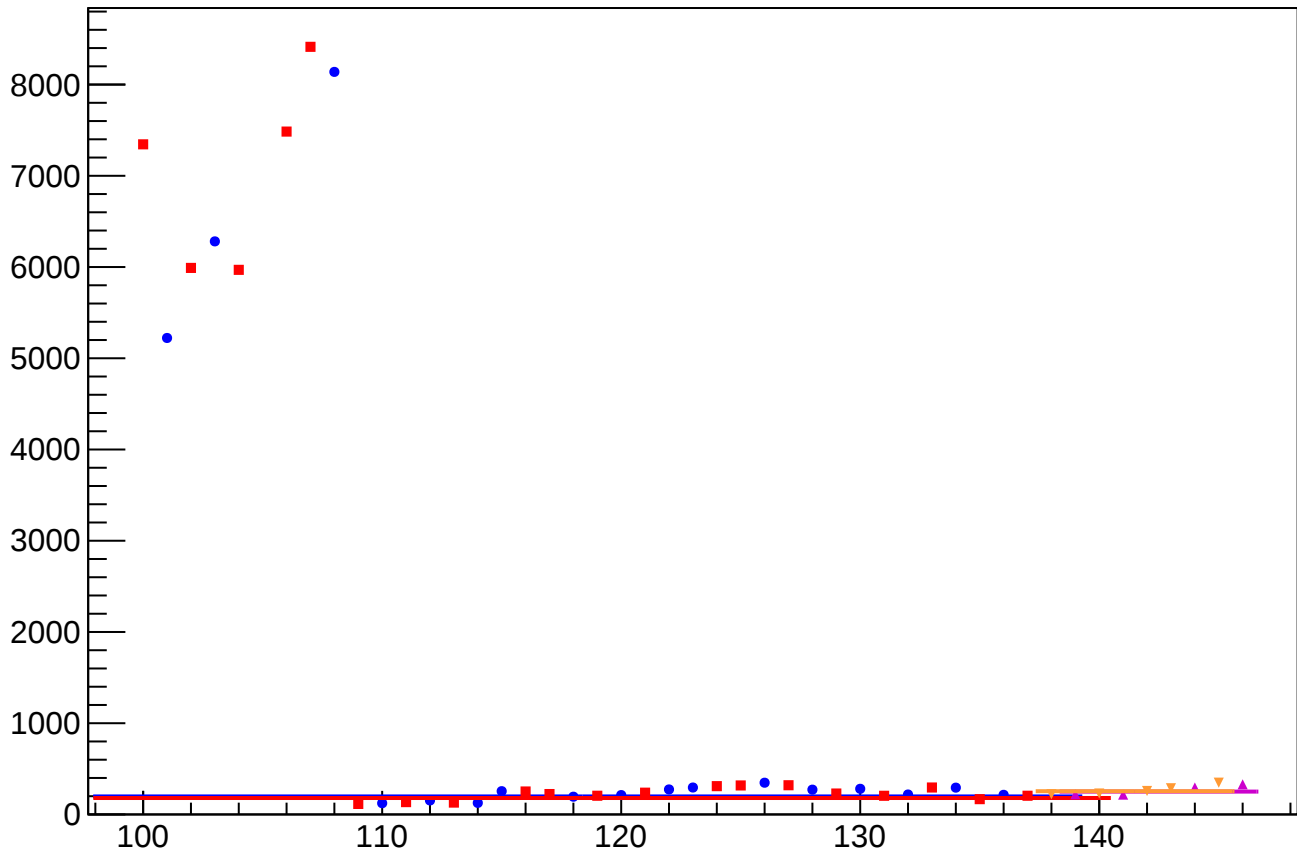
Left In: 203.849+/-142.561 χ^2/NDF : 1.9/3

82.542+/-76.975 χ^2/NDF : 12.6/21

83.012+/-52.798 χ^2/NDF : 29.5/45

83.429+/-72.555 χ^2/NDF : 16.9/23

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 254.769+/-0.100 χ^2/NDF : 178880.3/4

Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

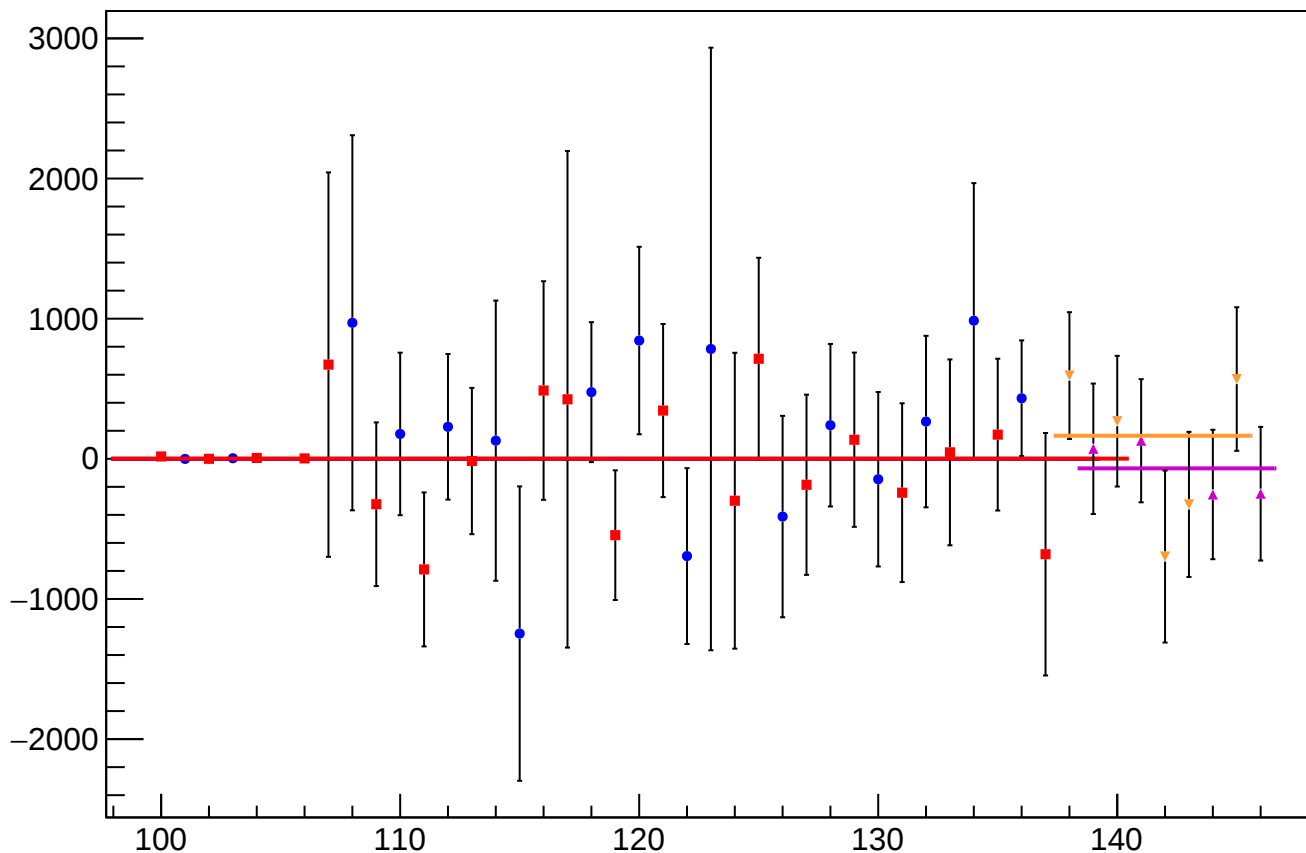
Left In: 250.604+/-0.101 χ^2/NDF : 198398.4/3

214.367+/-0.054 χ^2/NDF : 4105816.6/21

205.951+/-0.037 χ^2/NDF : 9034962.8/45

198.473+/-0.051 χ^2/NDF : 4883992.7/23

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 $\pm$ 1.737 χ^2/NDF : 9.8/16

Left Out: 164.716 $\pm$ 225.391 χ^2/NDF : 4.4/4

Right Out: 1.324 $\pm$ 1.623 χ^2/NDF : 9.6/19

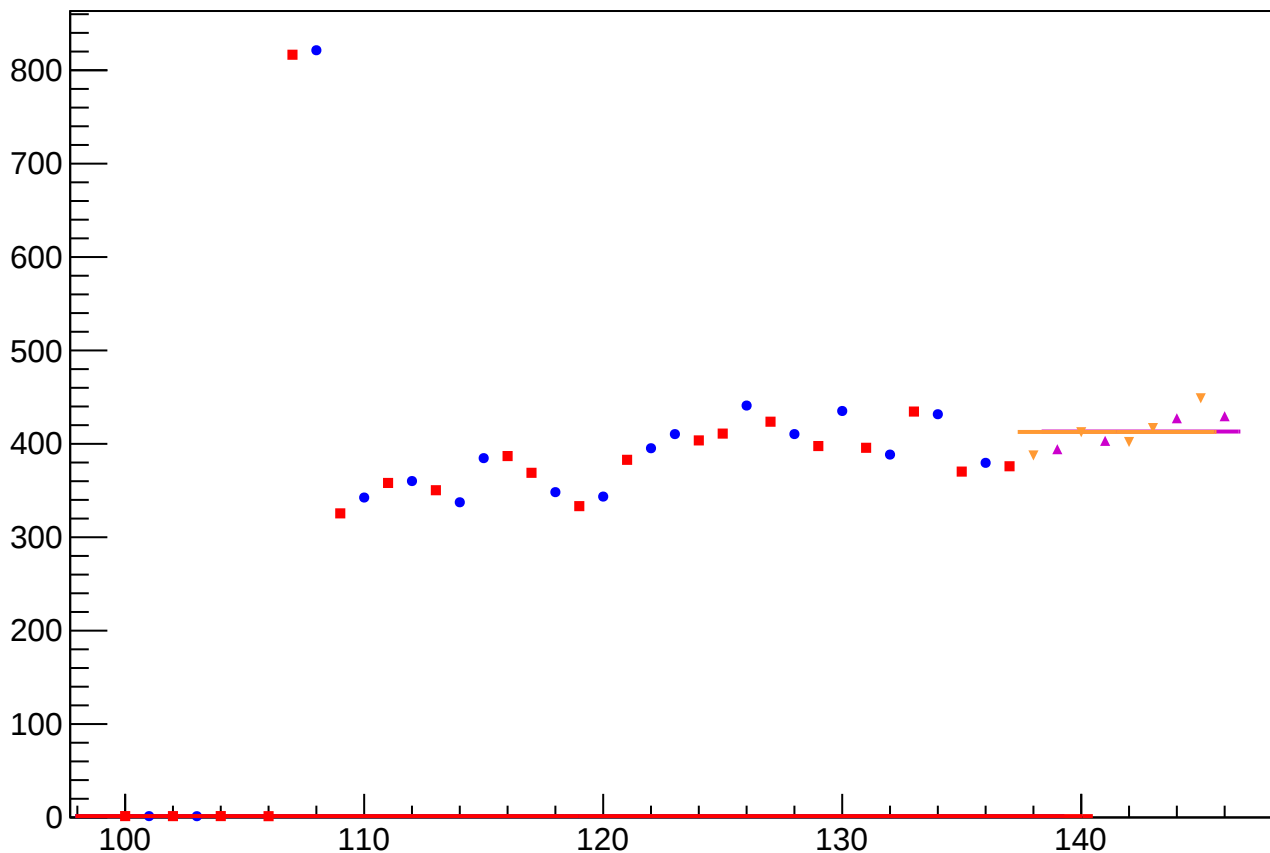
Left In: -68.243 $\pm$ 230.110 χ^2/NDF : 0.6/3

-0.129 $\pm$ 1.737 χ^2/NDF : 14.8/21

0.645 $\pm$ 1.186 χ^2/NDF : 25.4/45

1.321 $\pm$ 1.623 χ^2/NDF : 10.2/23

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10815892.9/16

Left Out: 1.477 $\pm$ 0.001 χ^2 /NDF: 16829.1/4

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10959647.1/19

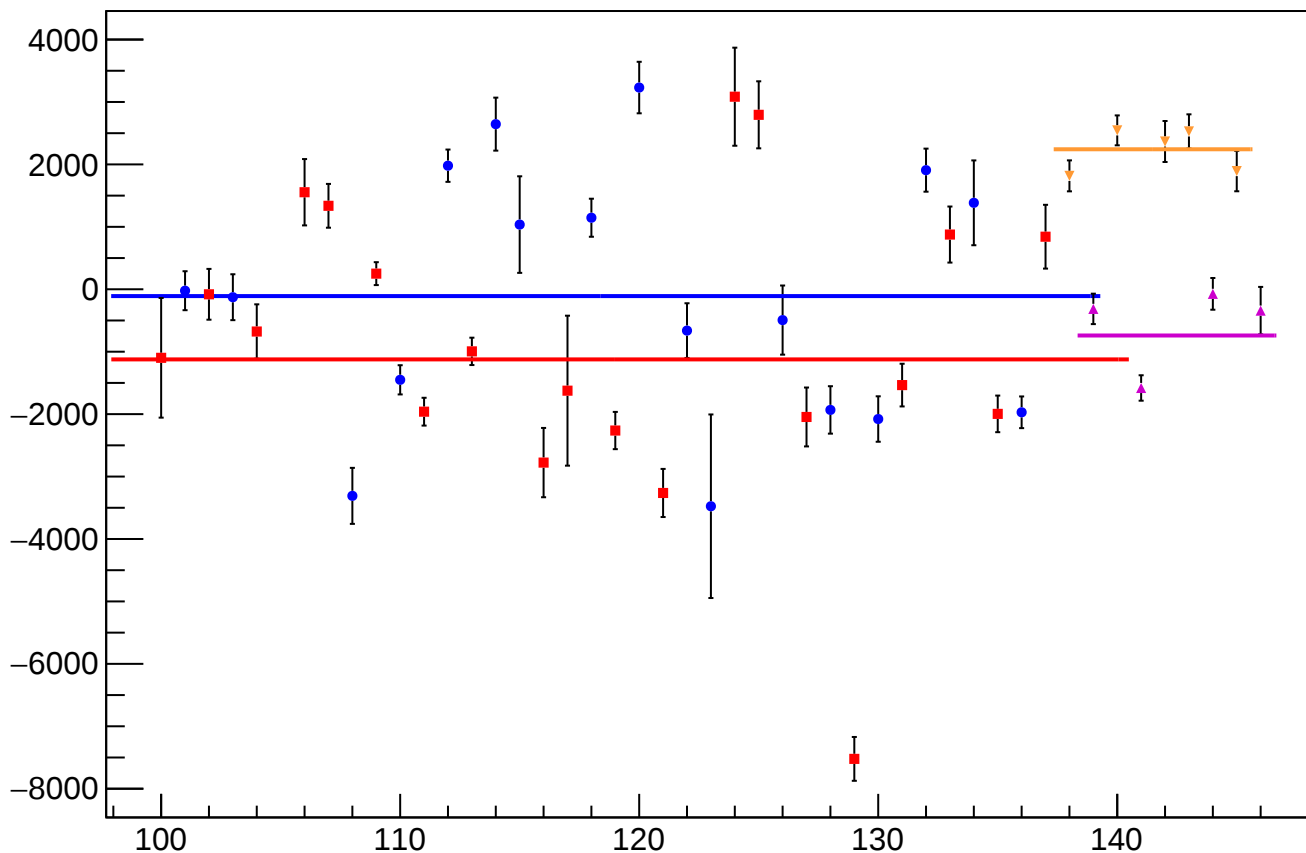
Left In: 1.472 $\pm$ 0.001 χ^2 /NDF: 17370806.8/23

1.477 $\pm$ 0.001 χ^2 /NDF: 17491844.8/21

1.474 $\pm$ 0.001 χ^2 /NDF: 34862659.8/45

1.472 $\pm$ 0.001 χ^2 /NDF: 17370806.8/23

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 ± 87.961 χ^2/NDF : 428.3/16

Left Out: 2242.371 ± 123.223 χ^2/NDF : 6.9/4

Right Out: -1123.337 ± 78.230 χ^2/NDF : 670.2/19

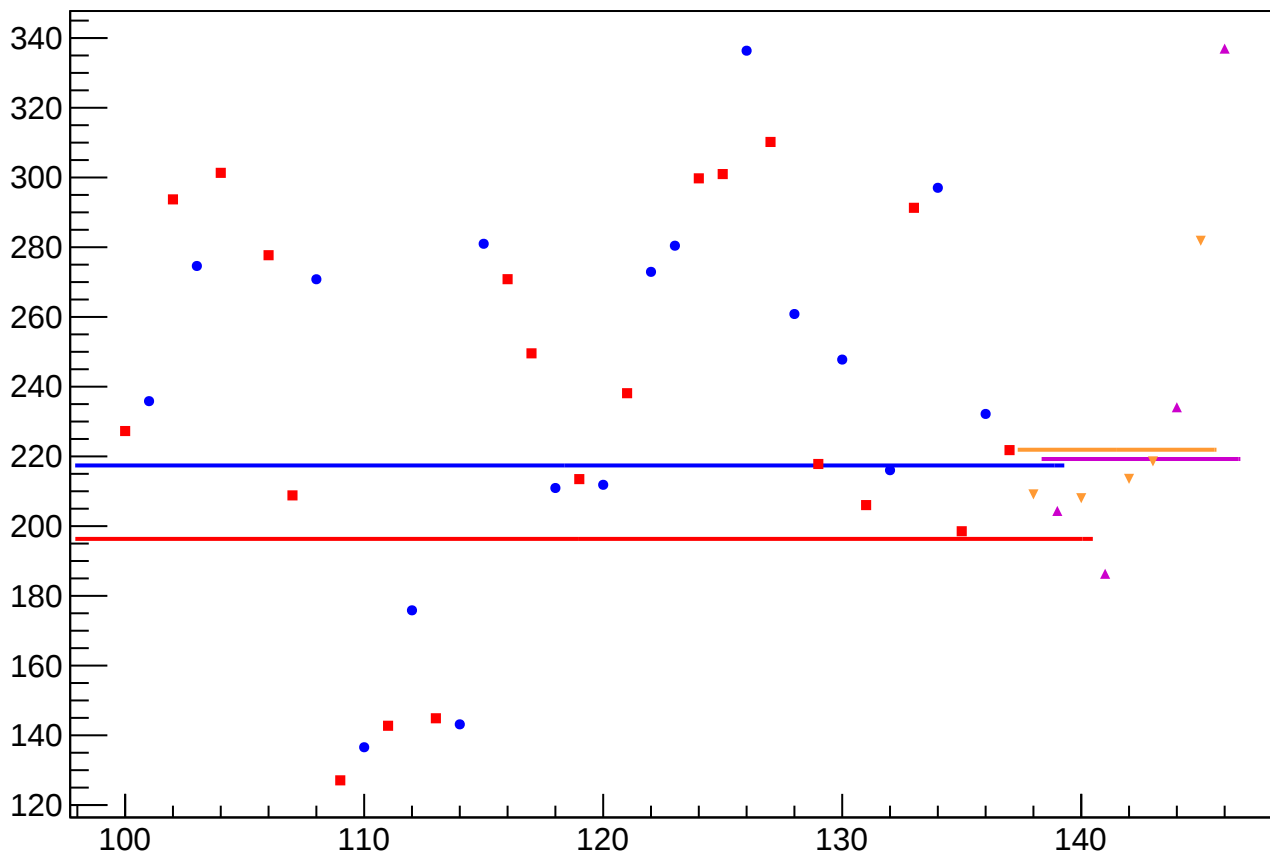
Left In: -740.451 ± 125.635 χ^2/NDF : 28.1/3

684.576 ± 71.592 χ^2/NDF : 676.6/21

-229.702 ± 48.687 χ^2/NDF : 1685.0/45

-1016.360 ± 66.408 χ^2/NDF : 705.0/23

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 $\pm$ 0.062 χ^2/NDF : 652632.9/16

Left Out: 221.914 $\pm$ 0.087 χ^2/NDF : 82292.8/4

Right Out: 196.339 $\pm$ 0.055 χ^2/NDF : 1194805.7/19

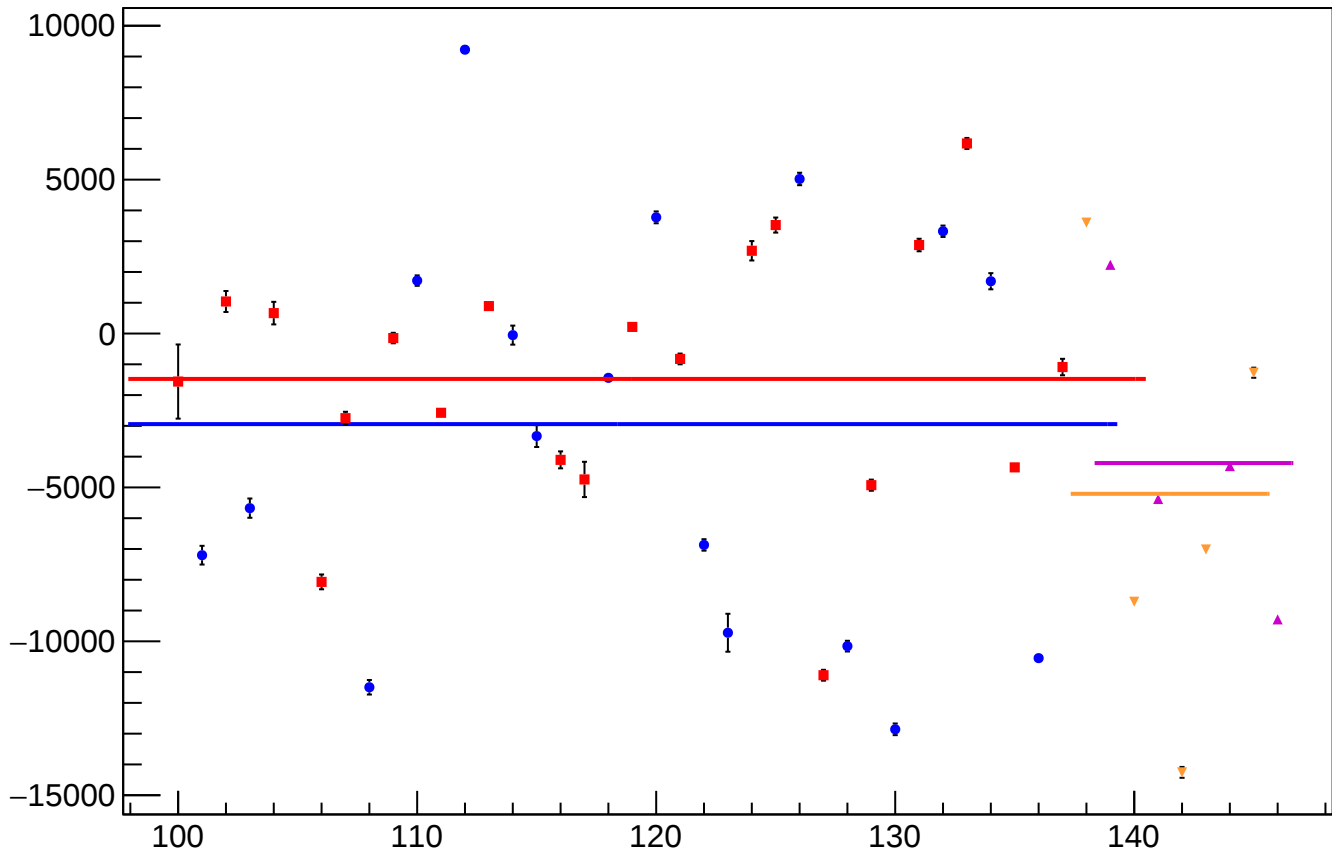
Left In: 219.254 $\pm$ 0.089 χ^2/NDF : 258241.6/3

218.925 $\pm$ 0.051 χ^2/NDF : 736701.2/21

210.226 $\pm$ 0.034 χ^2/NDF : 2292633.1/45

202.741 $\pm$ 0.047 χ^2/NDF : 1500994.3/23

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123 ± 48.612 χ^2/NDF : 20909.8/16

Left Out: -5207.482 ± 65.451 χ^2/NDF : 8060.9/4

Right Out: -1474.497 ± 46.252 χ^2/NDF : 8028.6/19

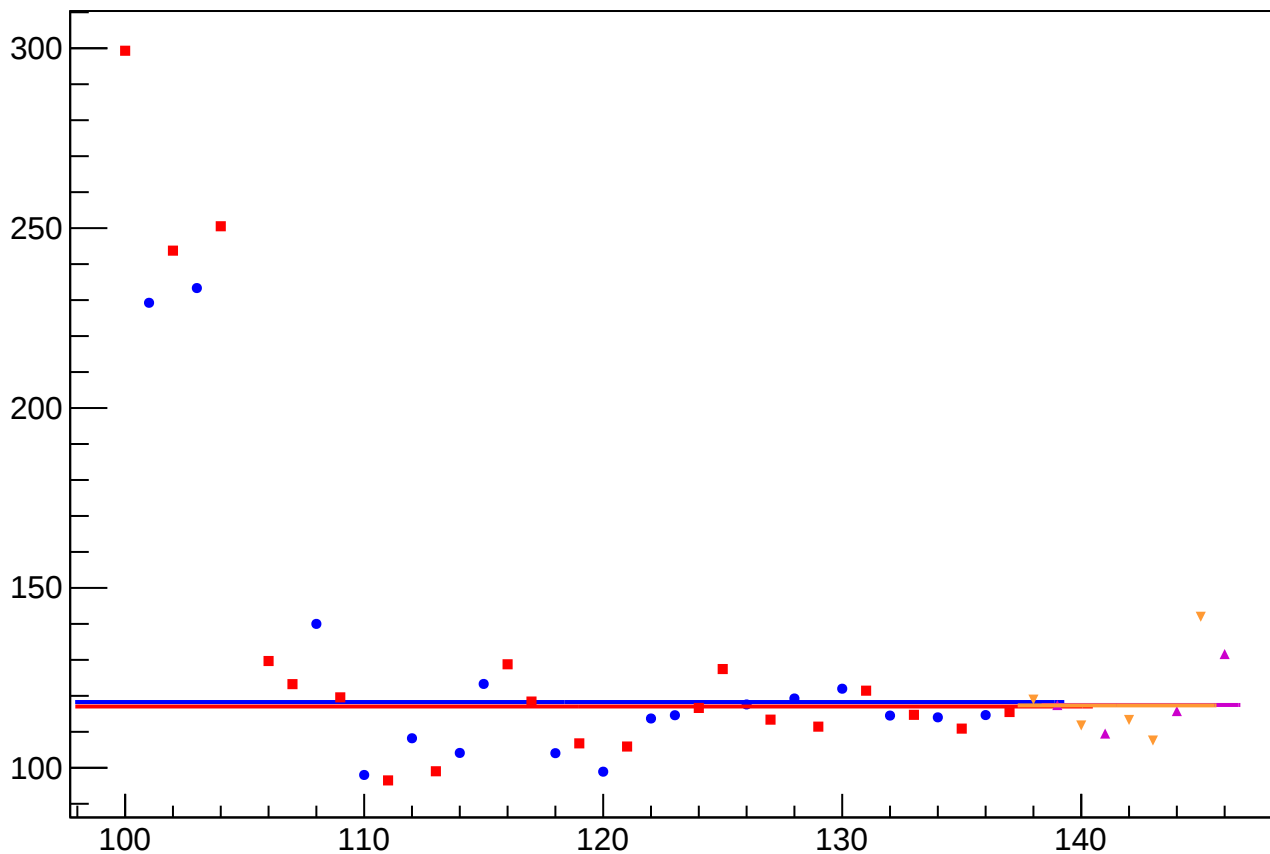
Left In: -4208.242 ± 66.514 χ^2/NDF : 3335.7/3

-3748.157 ± 39.026 χ^2/NDF : 29742.1/21

-3037.962 ± 27.216 χ^2/NDF : 42889.8/45

-2365.529 ± 37.974 χ^2/NDF : 12502.9/23

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 117.347+/-0.046 χ^2/NDF : 60285.9/4

Right Out: 117.040+/-0.033 χ^2/NDF : 690873.1/19

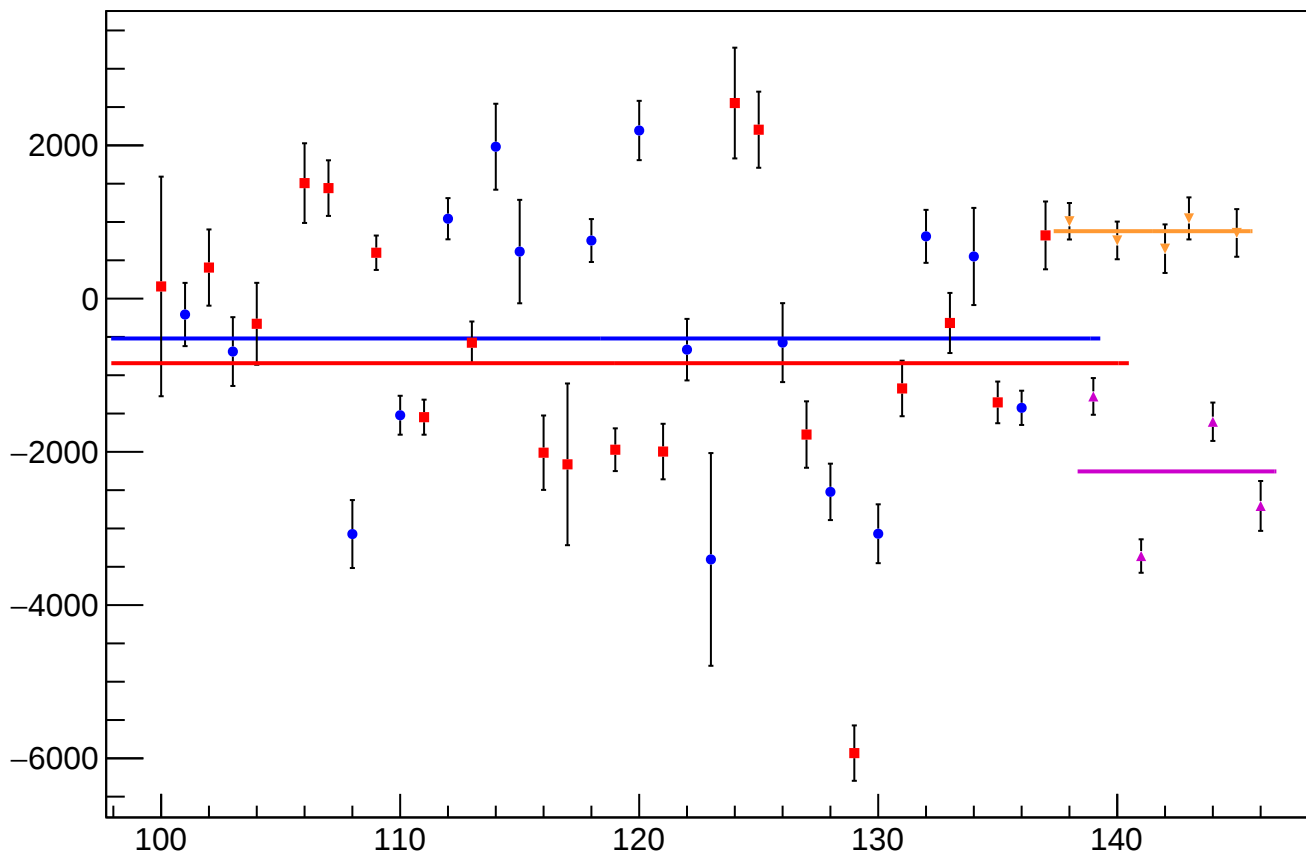
Left In: 117.466+/-0.047 χ^2/NDF : 27405.7/3

117.952+/-0.028 χ^2/NDF : 697468.7/21

117.555+/-0.019 χ^2/NDF : 1416205.6/45

117.179+/-0.027 χ^2/NDF : 718334.2/23

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 $\pm$ 89.241 χ^2/NDF : 288.1/16

Left Out: 880.043 $\pm$ 121.460 χ^2/NDF : 1.4/4

Right Out: -842.858 $\pm$ 82.024 χ^2/NDF : 436.3/19

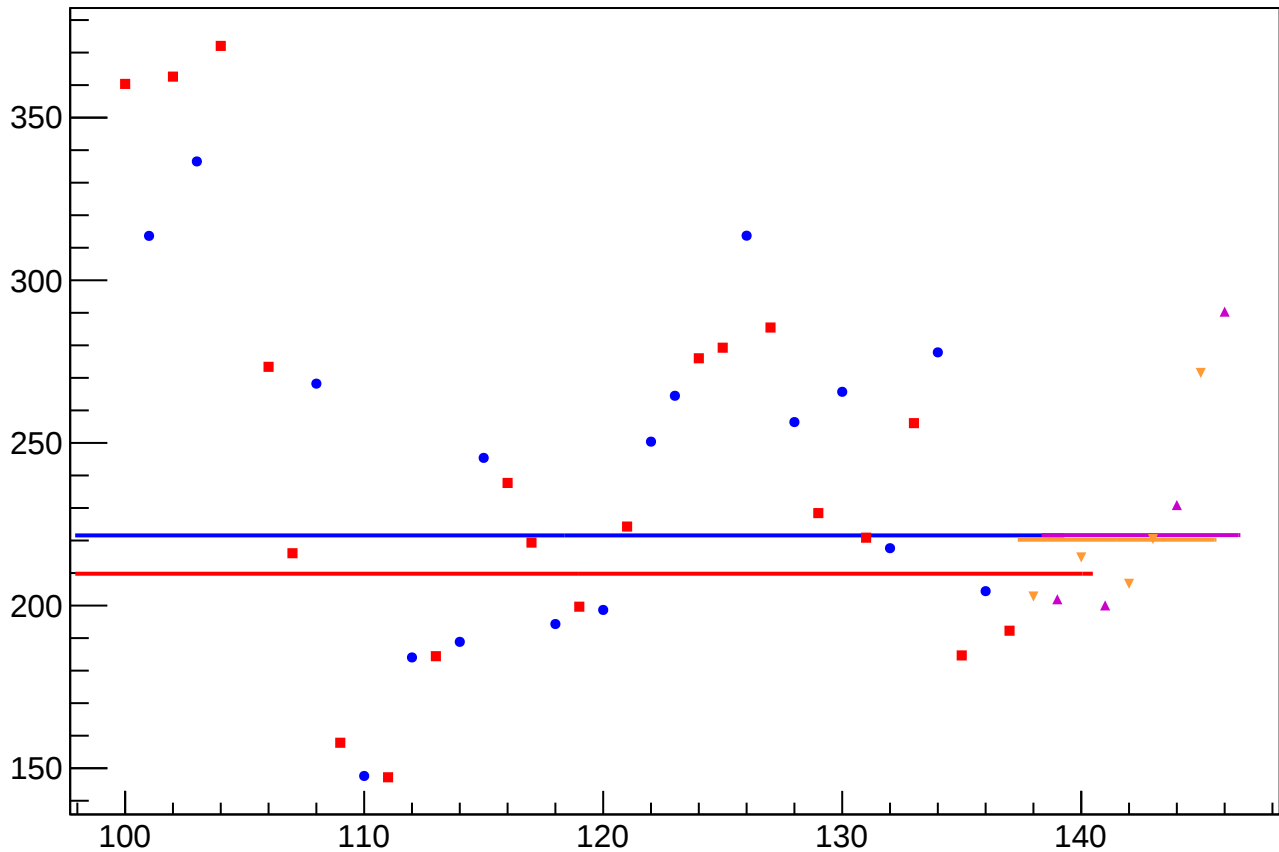
Left In: -2255.368 $\pm$ 125.236 χ^2/NDF : 50.9/3

-29.346 $\pm$ 71.916 χ^2/NDF : 375.9/21

-677.156 $\pm$ 49.645 χ^2/NDF : 1107.0/45

-1266.890 $\pm$ 68.617 χ^2/NDF : 576.2/23

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2/NDF : 644941.4/16

Left Out: 220.242 $\pm$ 0.086 χ^2/NDF : 69780.5/4

Right Out: 209.794 $\pm$ 0.058 χ^2/NDF : 884087.4/19

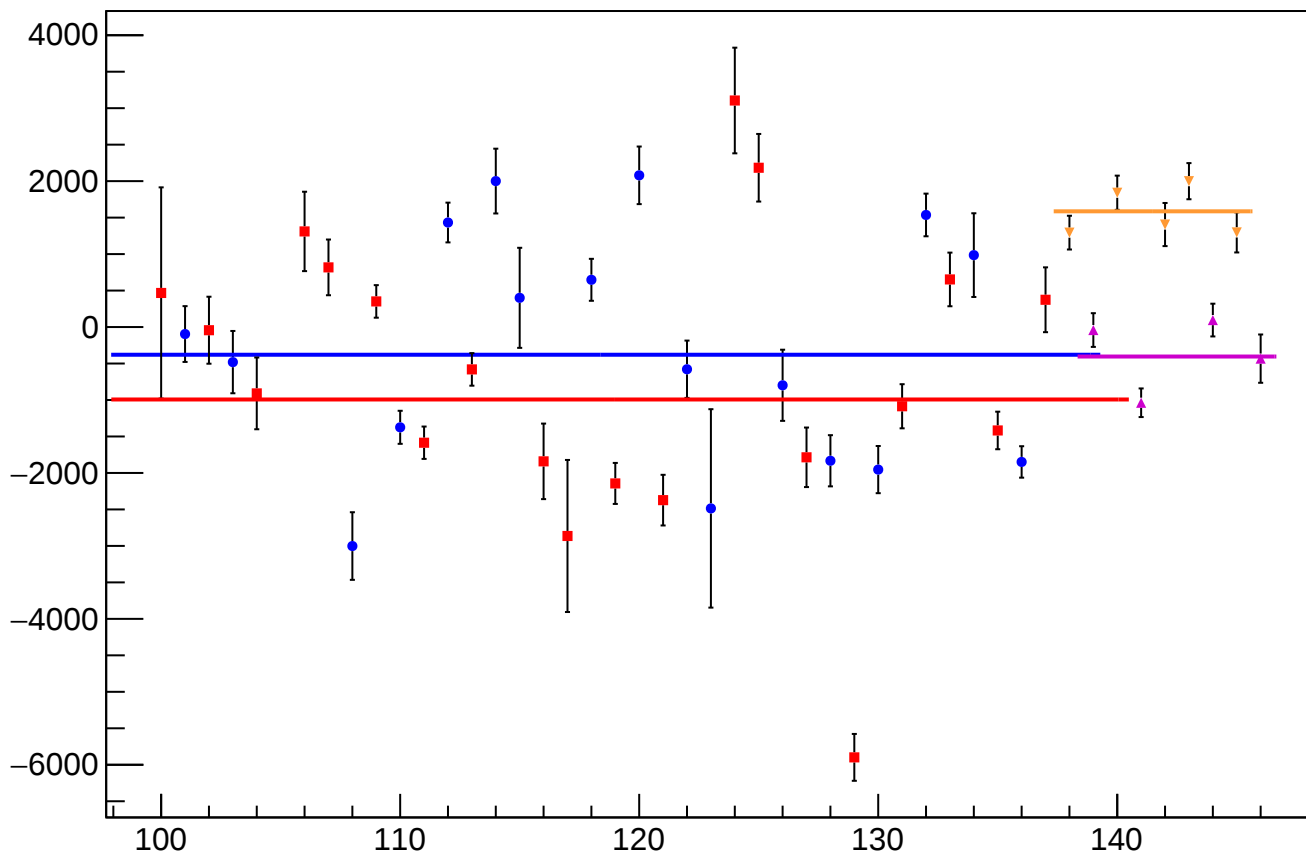
Left In: 221.661 $\pm$ 0.089 χ^2/NDF : 124943.0/3

221.104 $\pm$ 0.051 χ^2/NDF : 714877.0/21

217.049 $\pm$ 0.035 χ^2/NDF : 1748625.8/45

213.357 $\pm$ 0.049 χ^2/NDF : 1021597.4/23

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1586.267 ± 113.344 χ^2/NDF : 7.0/4

Right Out: -992.944 ± 77.509 χ^2/NDF : 479.5/19

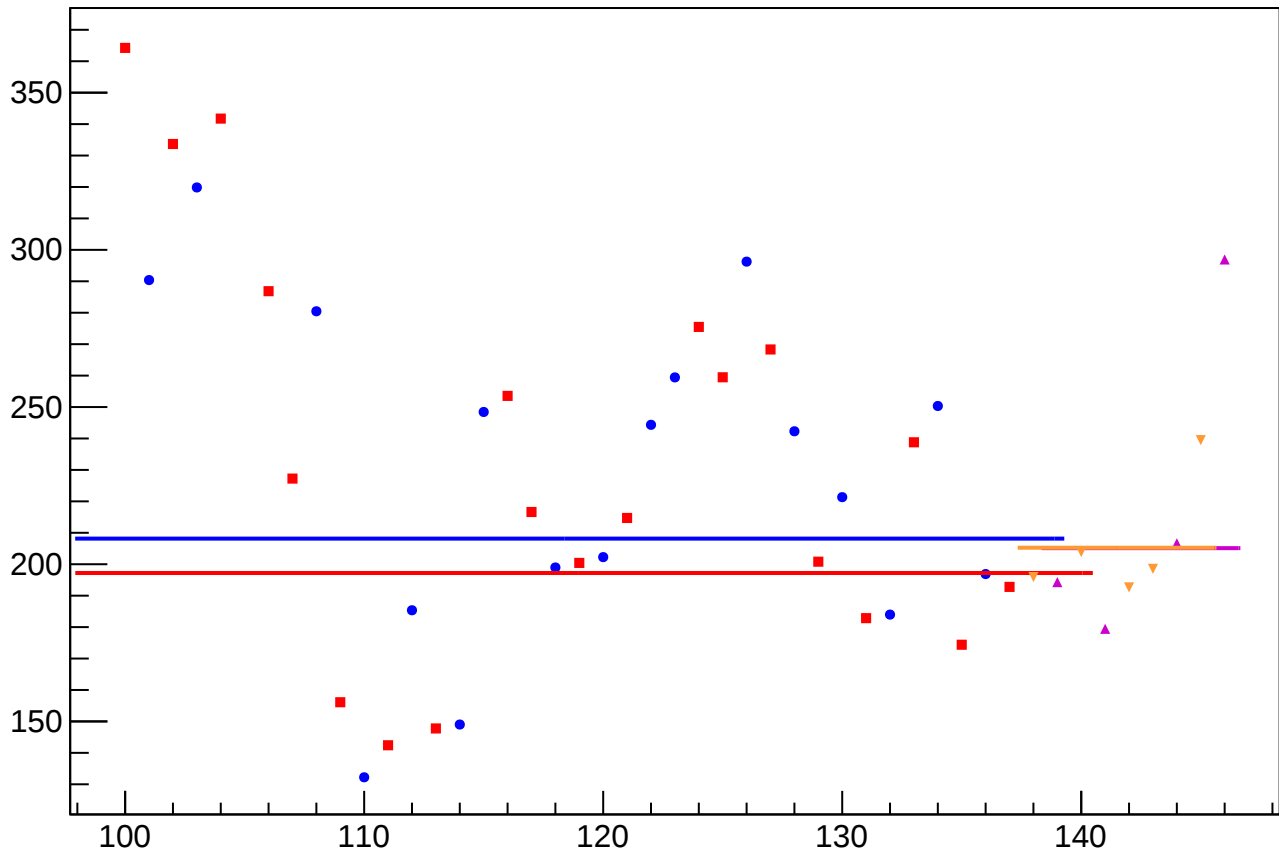
Left In: -404.143 ± 116.491 χ^2/NDF : 17.9/3

320.094 ± 67.621 χ^2/NDF : 517.9/21

-272.556 ± 46.684 χ^2/NDF : 1179.8/45

-812.263 ± 64.530 χ^2/NDF : 515.1/23

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 205.249+/-0.080 χ^2/NDF : 39436.4/4

Right Out: 197.210+/-0.055 χ^2/NDF : 927165.0/19

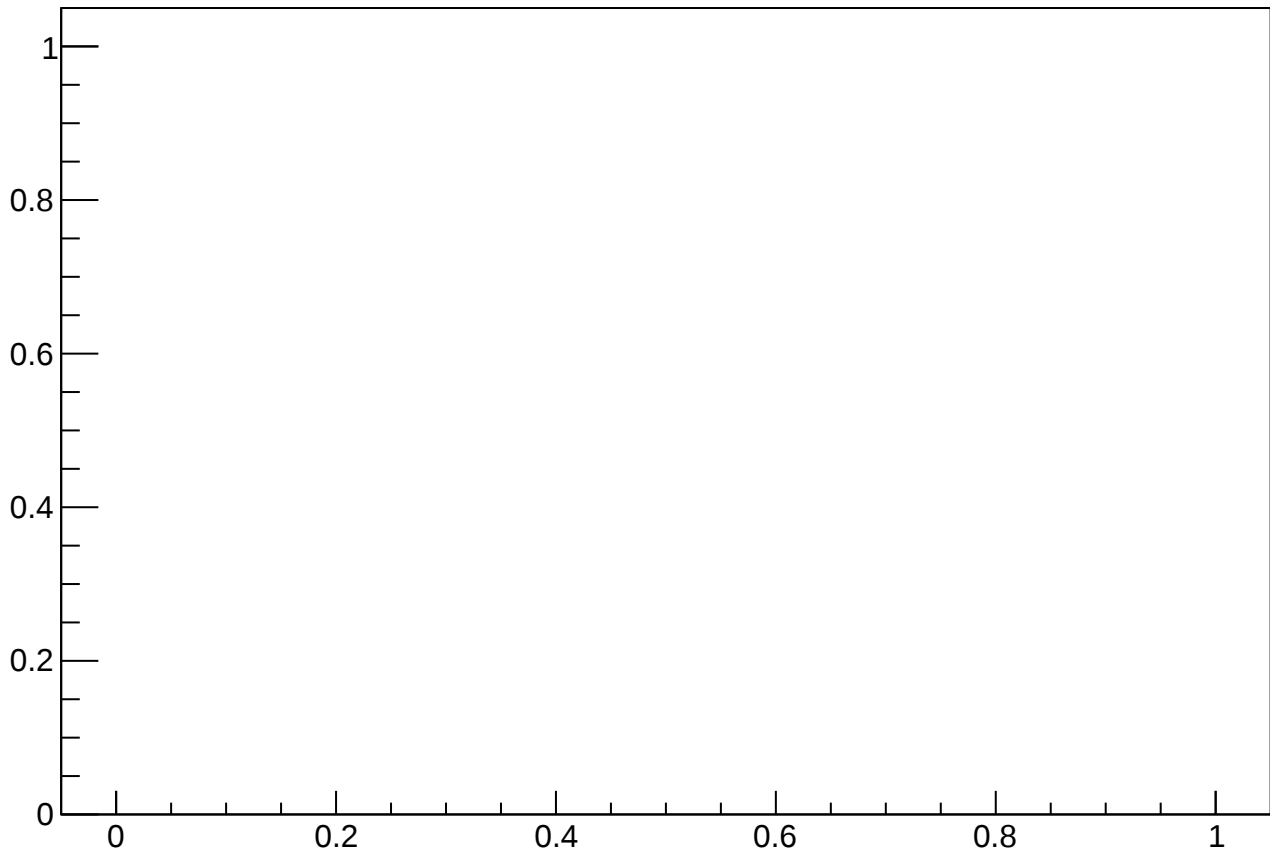
Left In: 205.114+/-0.082 χ^2/NDF : 192626.1/3

207.118+/-0.048 χ^2/NDF : 739364.9/21

203.202+/-0.033 χ^2/NDF : 1878352.8/45

199.636+/-0.046 χ^2/NDF : 1126172.9/23

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

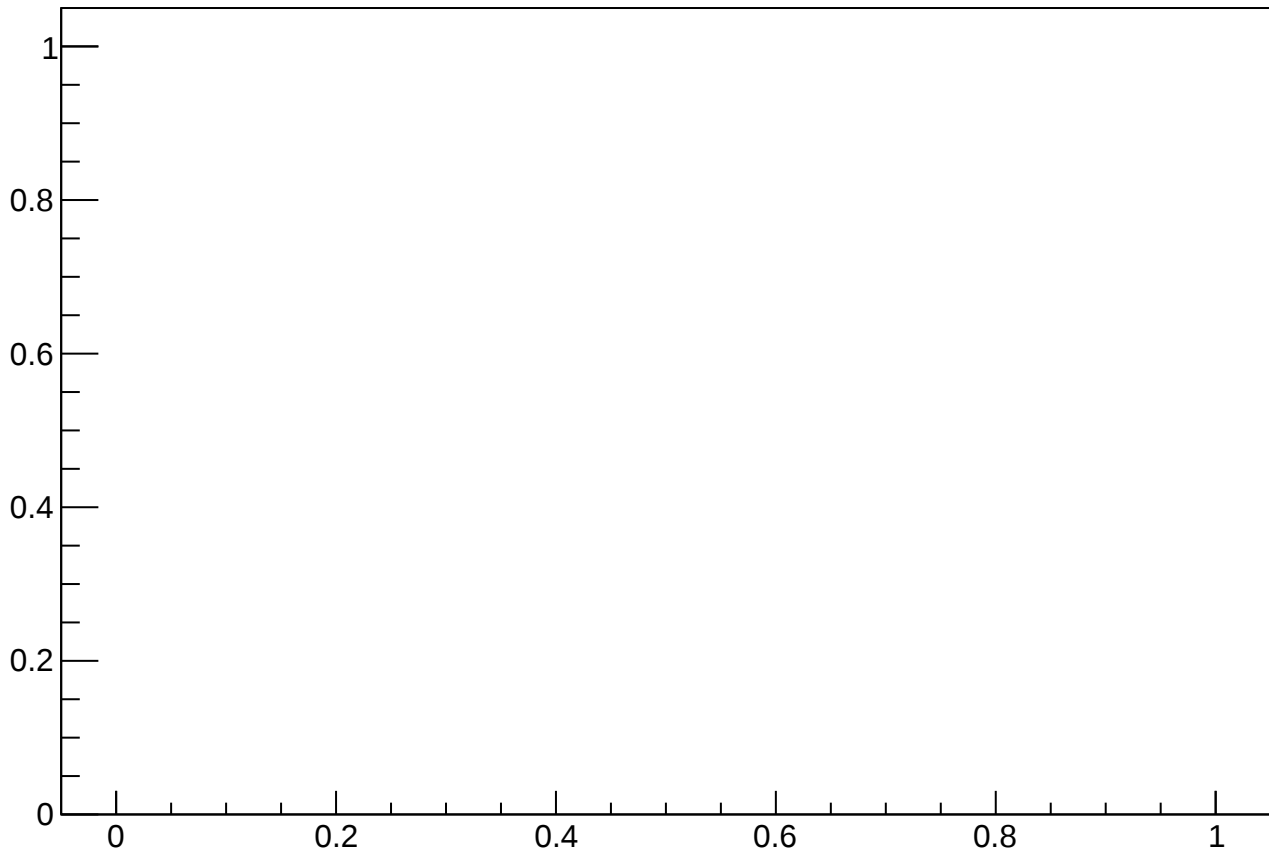
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



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

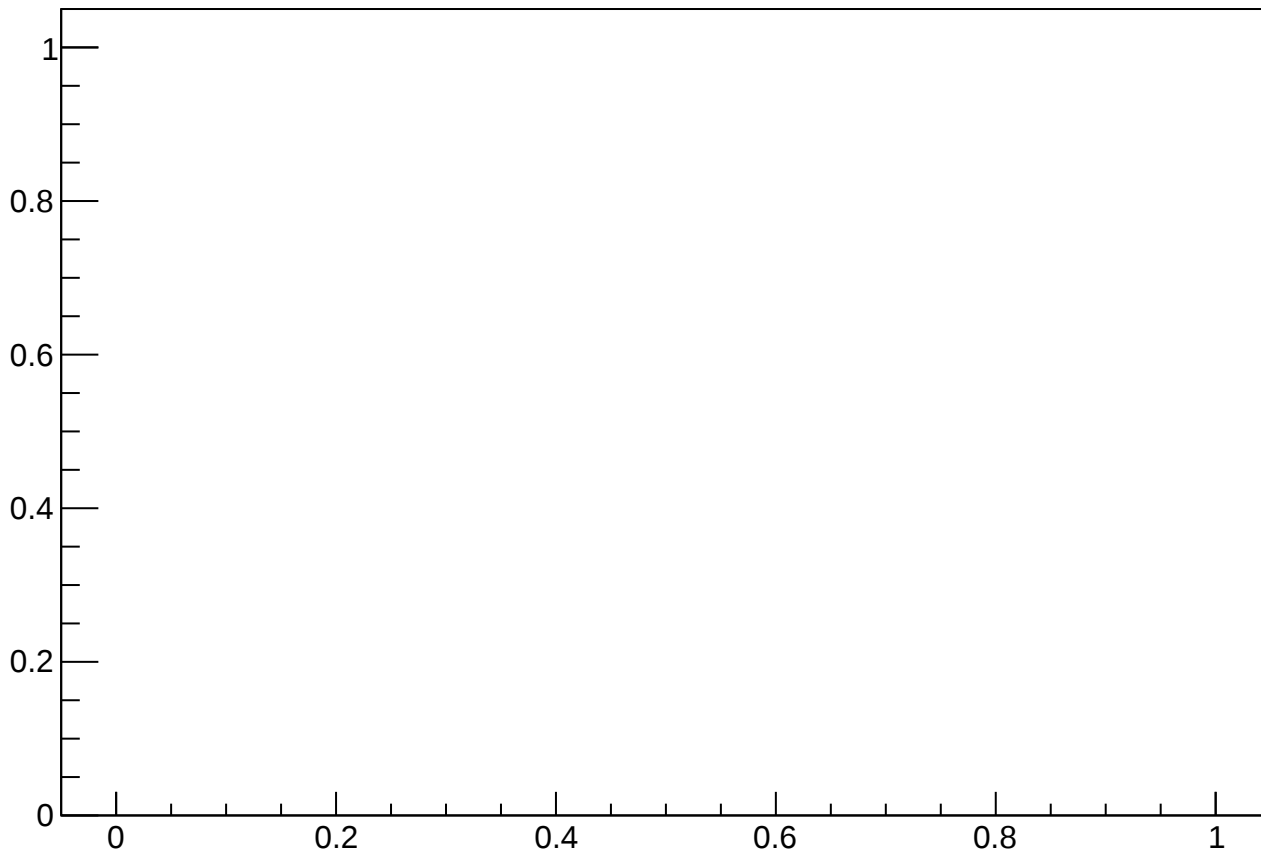
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



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

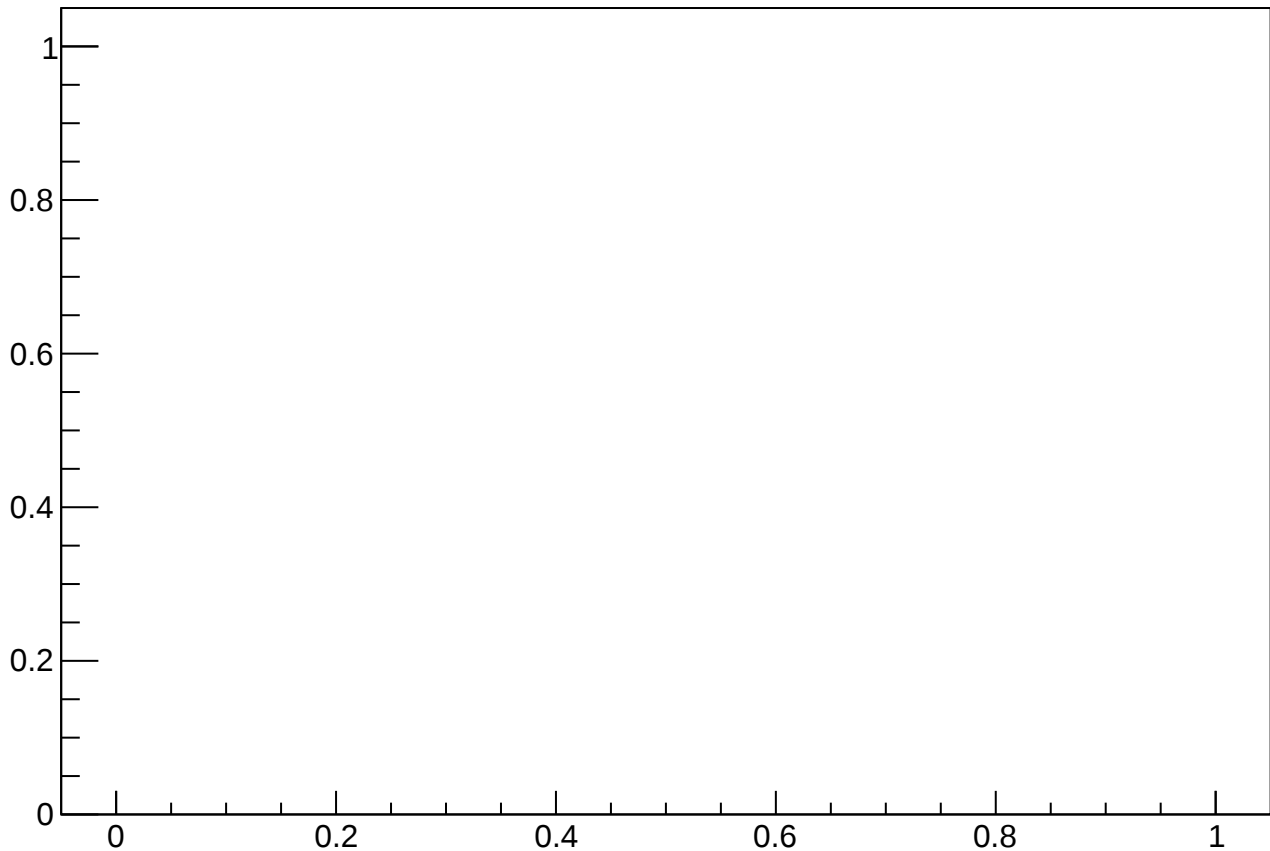
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

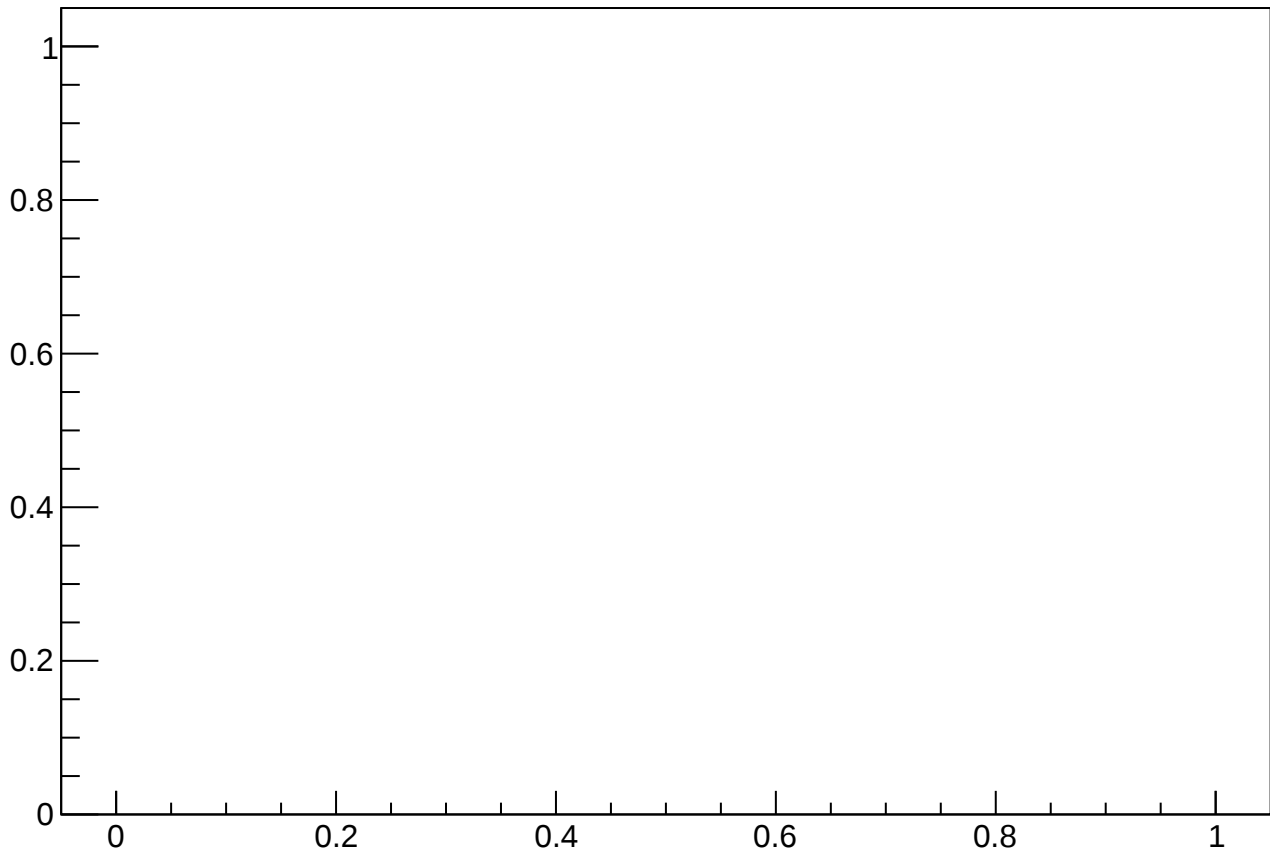
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

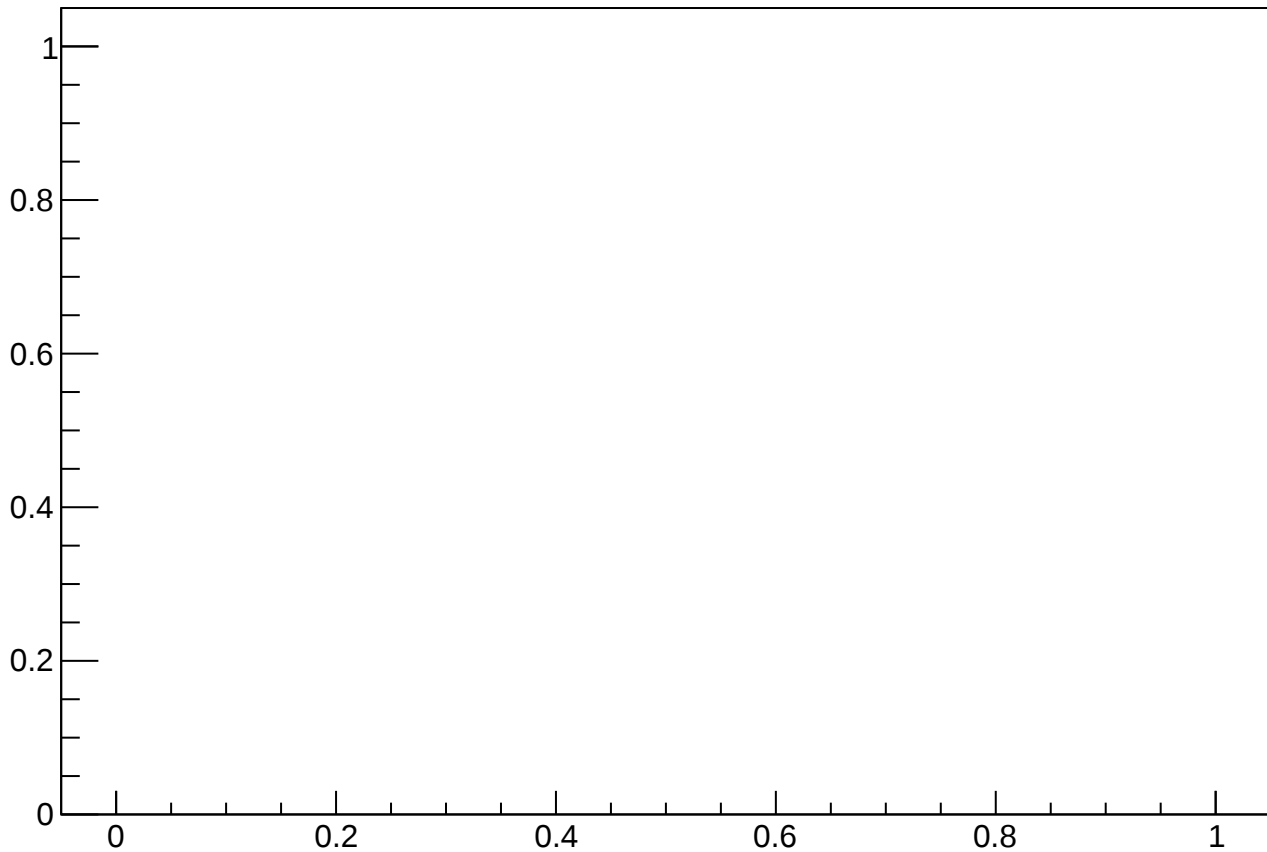
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

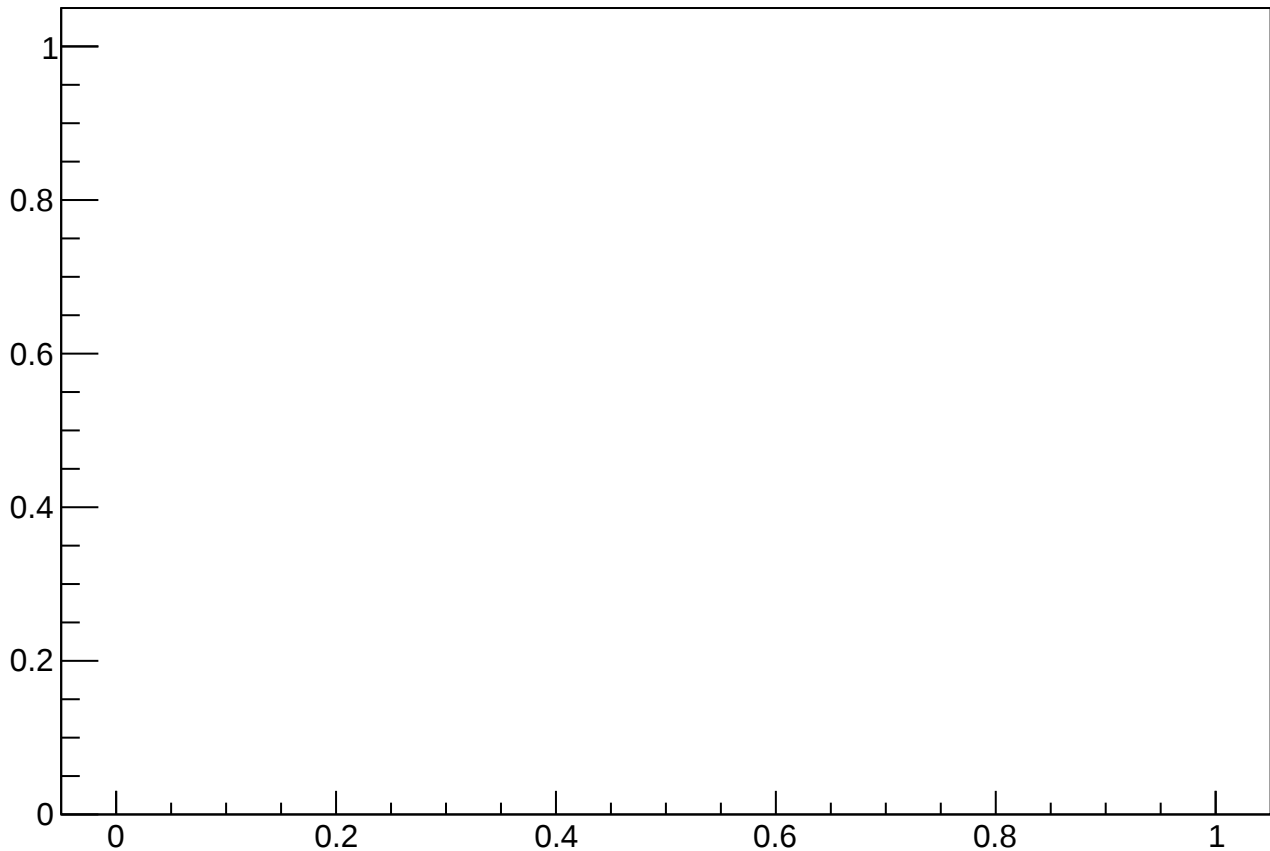
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

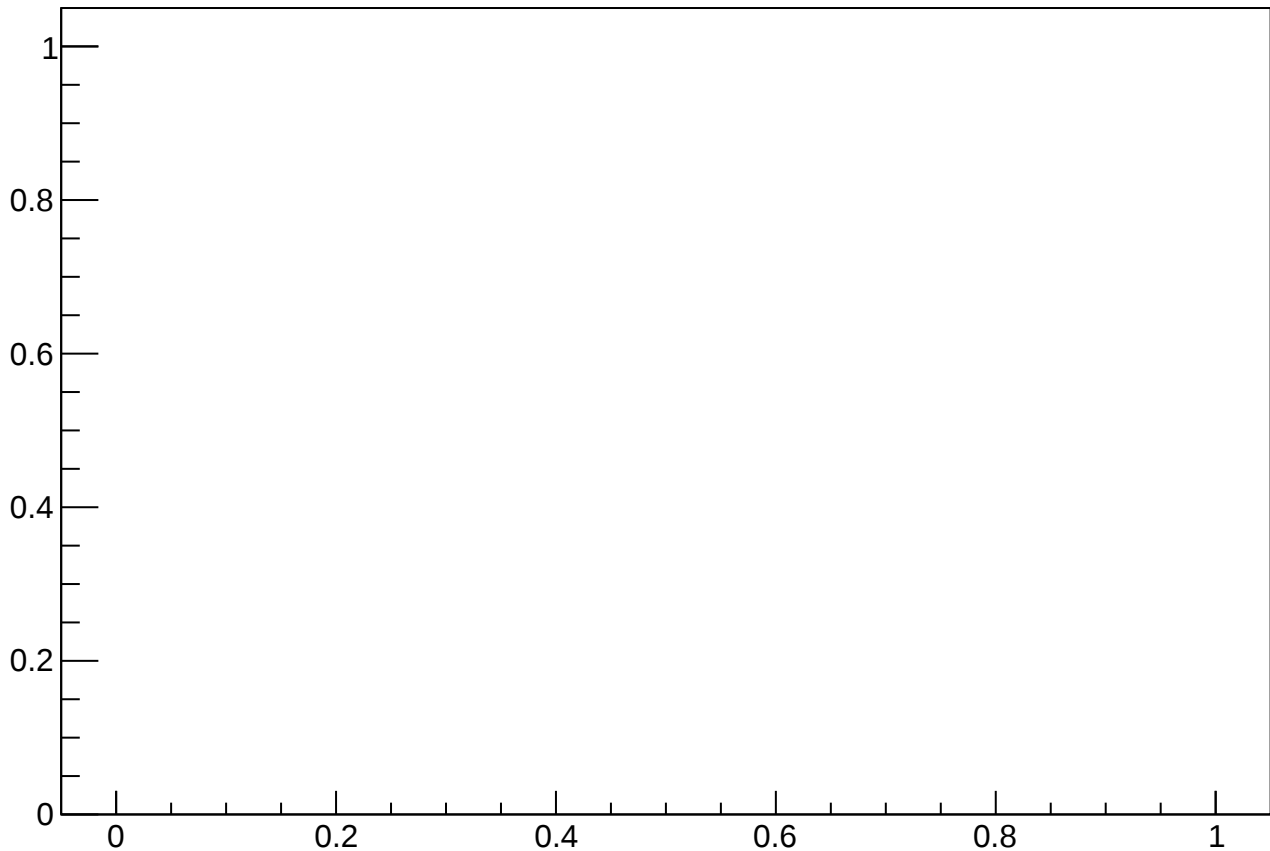
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

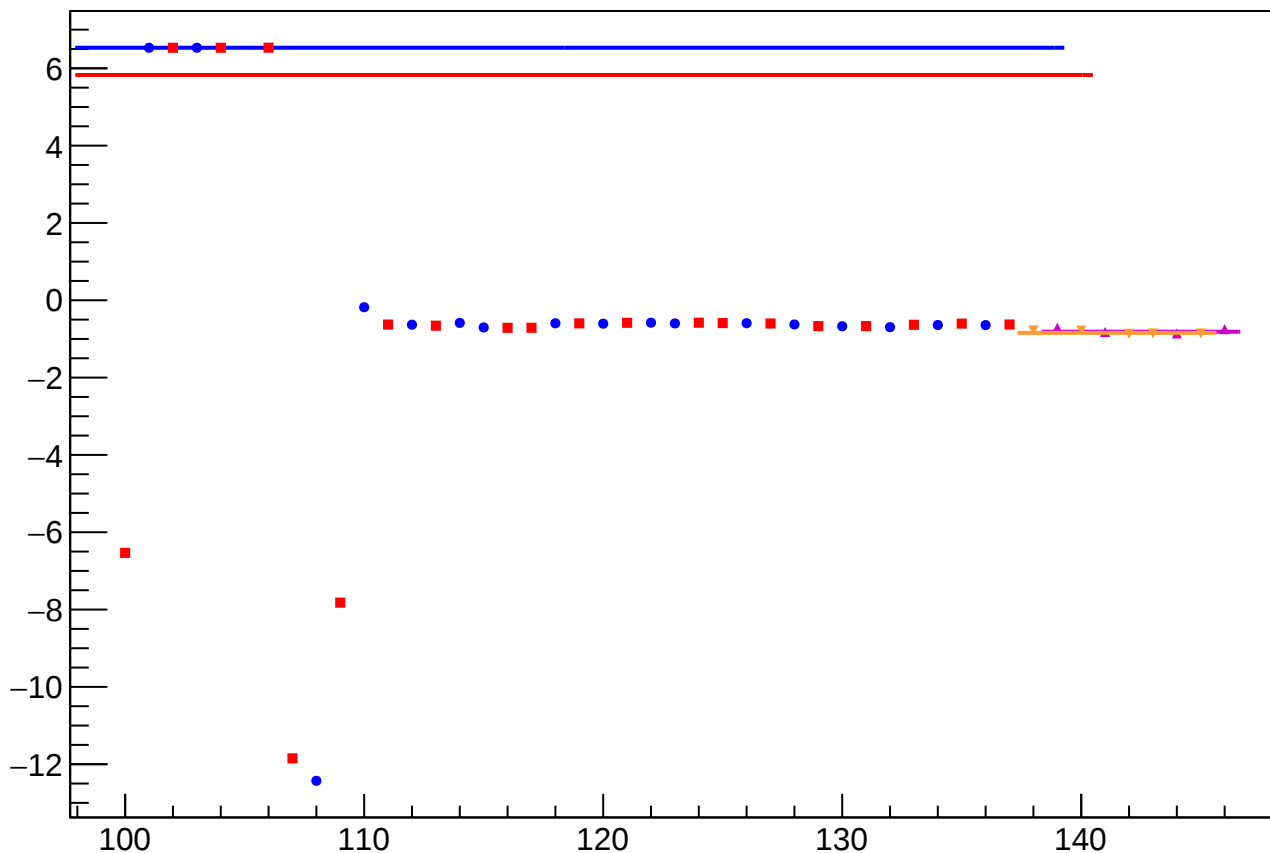
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532 ± 0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.843 ± 0.000 χ^2/NDF : 3141282.6/4

Right Out: 5.827 ± 0.000 χ^2/NDF : 755964092355063.0/19

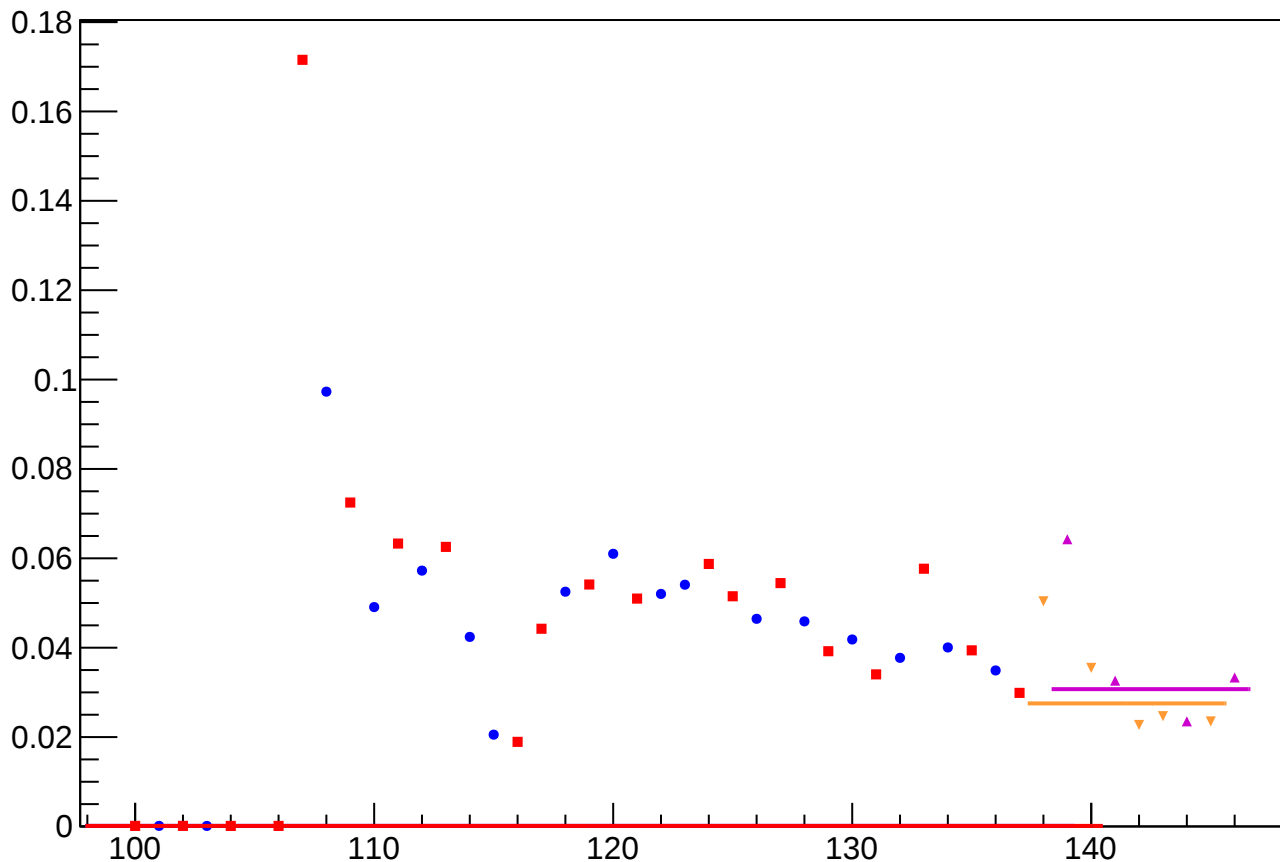
Left In: -0.813 ± 0.000 χ^2/NDF : 6802446.1/3

6.531 ± 0.000 χ^2/NDF : 289054867546.3/21

6.155 ± 0.000 χ^2/NDF : 77635893762075

5.827 ± 0.000 χ^2/NDF : 756070974416949.5/23

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.028 $\pm$ 0.000 χ^2/NDF : 374728.4/4

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9429256.2/19

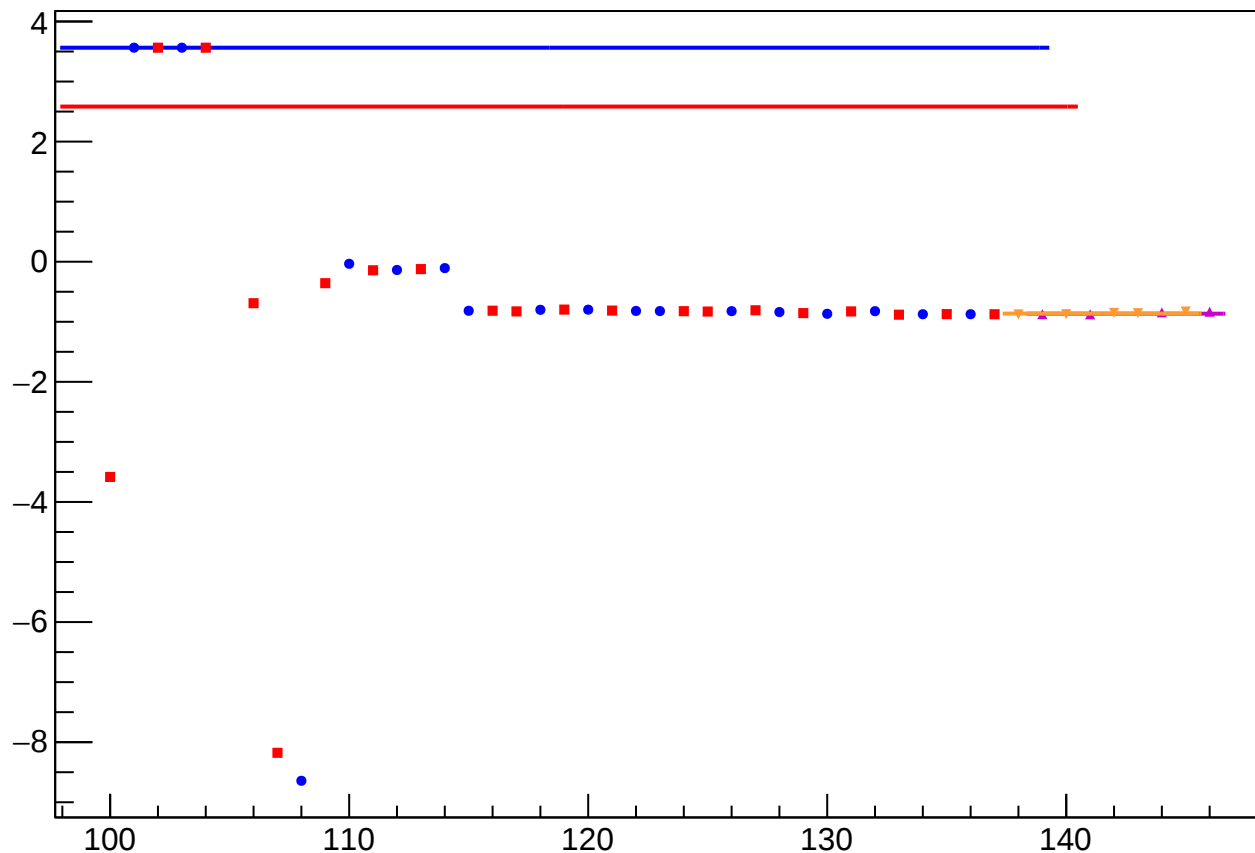
Left In: 0.031 $\pm$ 0.000 χ^2/NDF : 510656.5/3

0.000 $\pm$ 0.000 χ^2/NDF : 13732922.4/21

0.000 $\pm$ 0.000 χ^2/NDF : 28212858.2/45

0.000 $\pm$ 0.000 χ^2/NDF : 14479625.0/23

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.864+/-0.000 χ^2/NDF : 11513108.3/4

Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

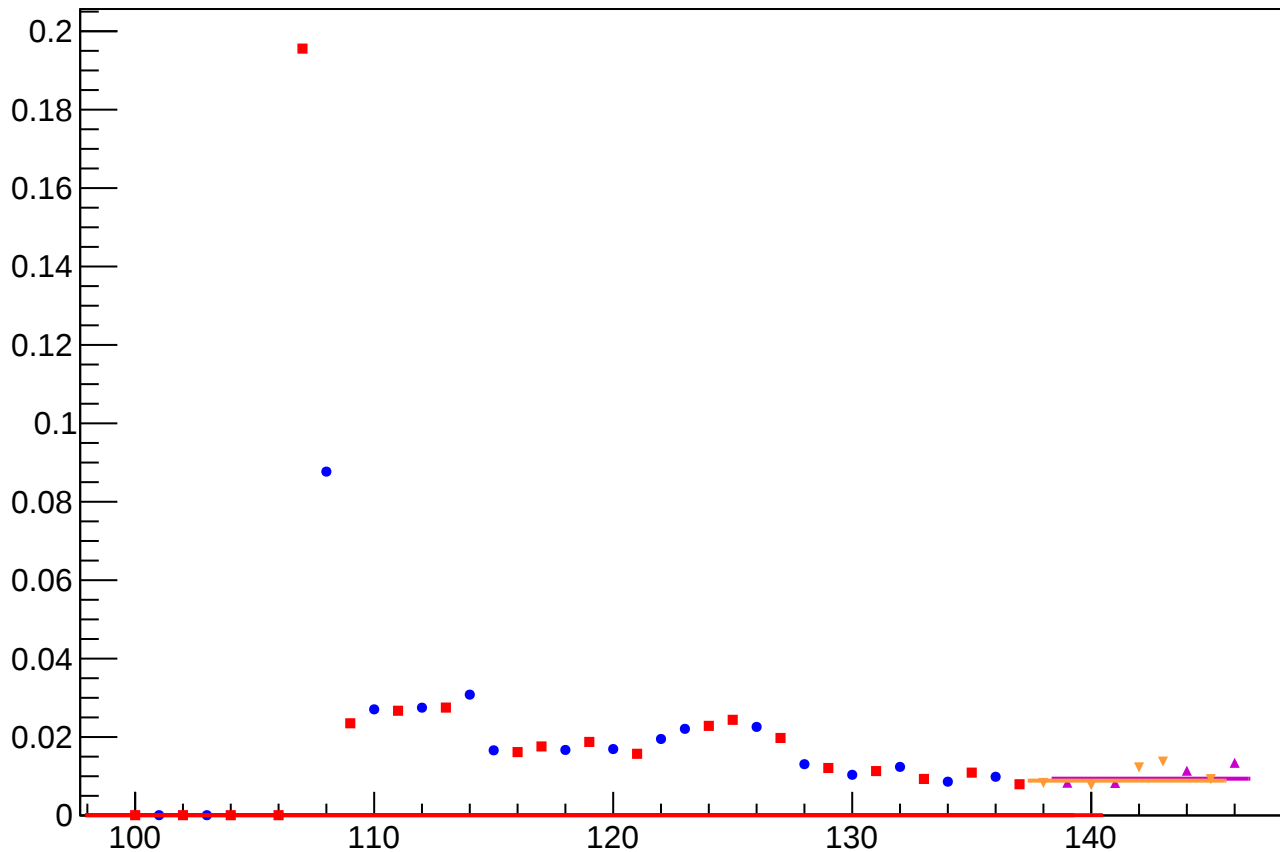
Left In: -0.865+/-0.000 χ^2/NDF : 8409735.0/3

3.563+/-0.000 χ^2/NDF : 1148535745722.6/21

3.040+/-0.000 χ^2/NDF : 13832303610391

2.583+/-0.000 χ^2/NDF : 1253858405017594.5/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF : 203066.3/4

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

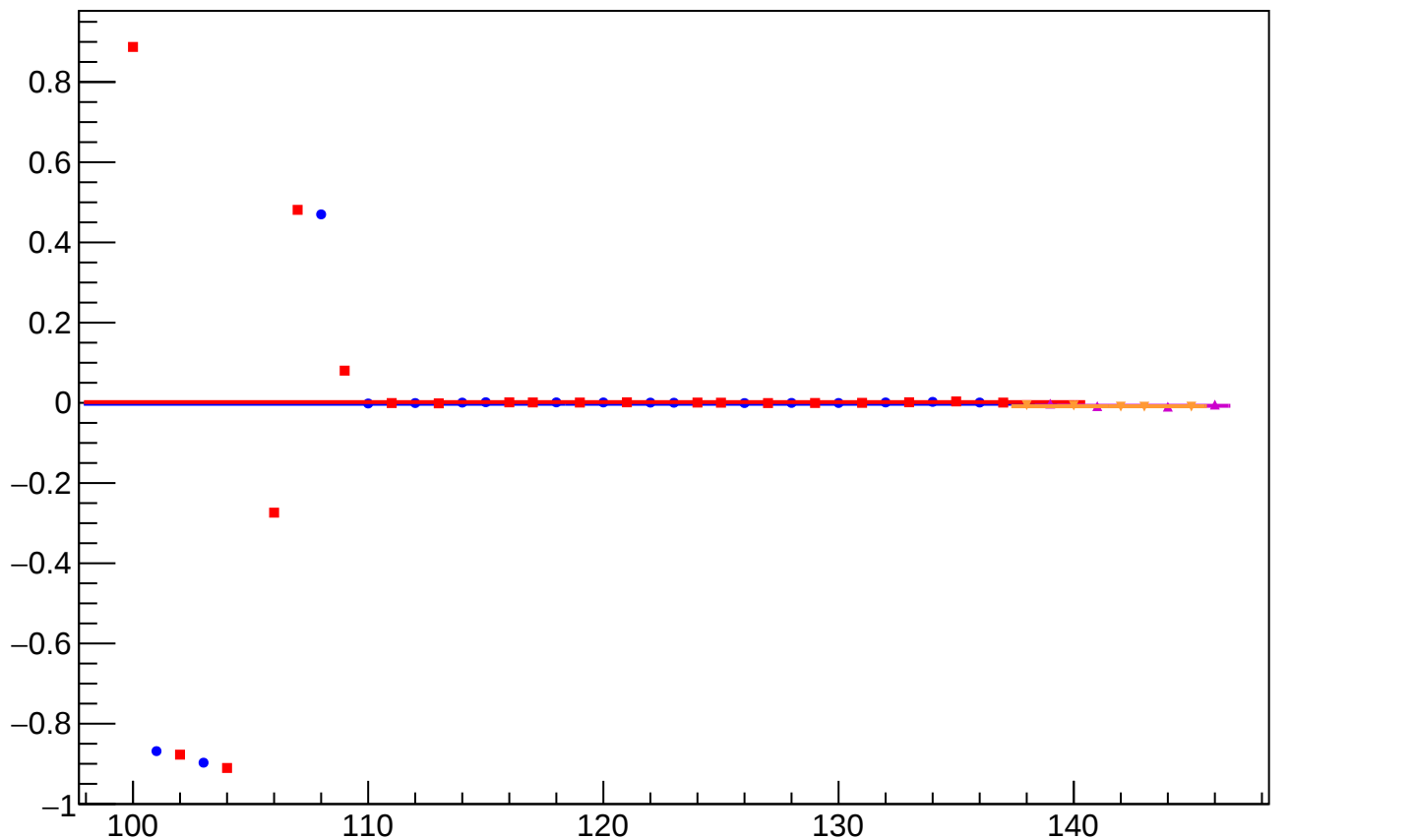
Left In: 0.009+/-0.000 χ^2/NDF : 201348.3/3

0.000+/-0.000 χ^2/NDF : 15215773.3/21

0.000+/-0.000 χ^2/NDF : 30527602.8/45

0.000+/-0.000 χ^2/NDF : 15311422.6/23

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.009+/-0.000 χ^2/NDF : 2577732.6/4

Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

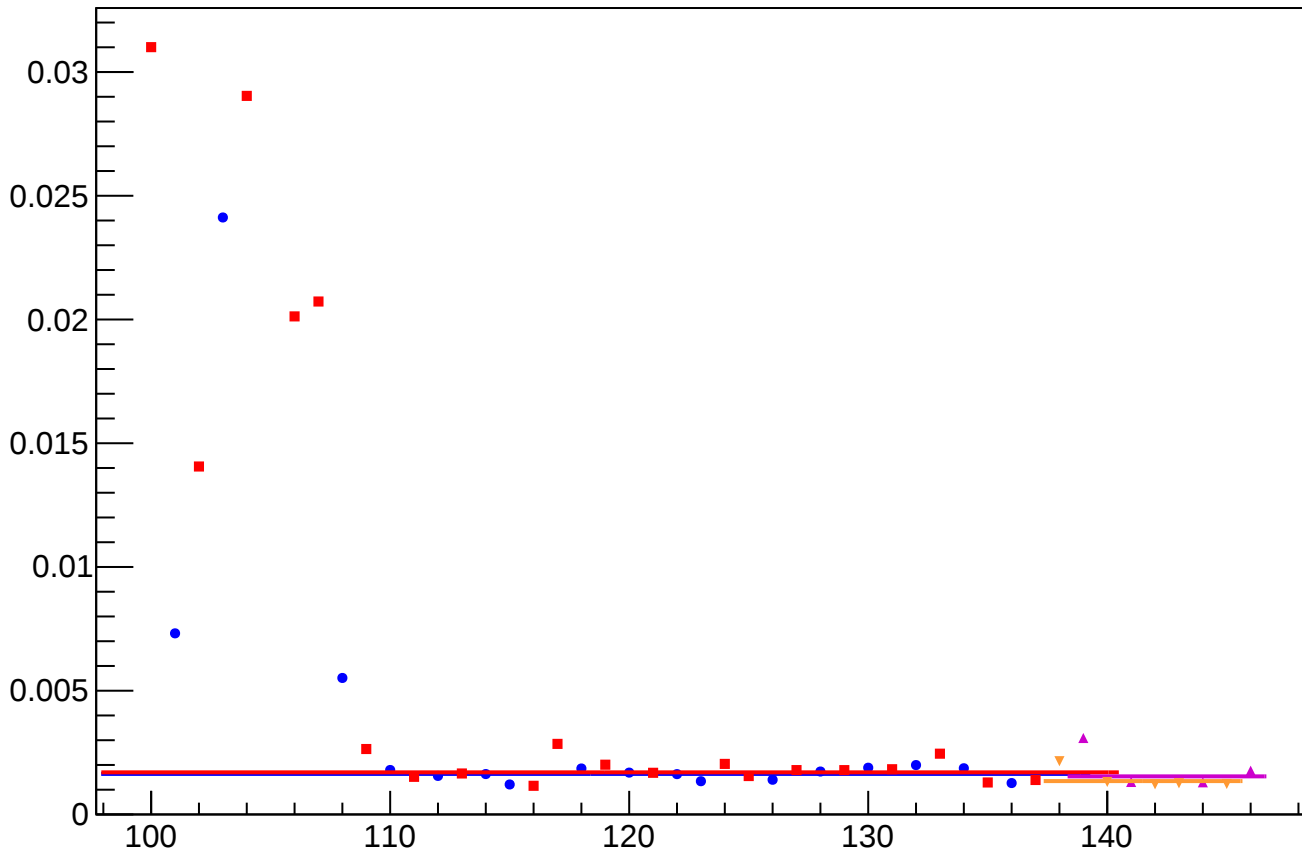
Left In: -0.007+/-0.000 χ^2/NDF : 5958663.1/3

-0.005+/-0.000 χ^2/NDF : 9825299008.3/21

-0.004+/-0.000 χ^2/NDF : 12938556601.4/4

-0.002+/-0.000 χ^2/NDF : 3098490911.4/23

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.001+/-0.000 χ^2/NDF : 187731.4/4

Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

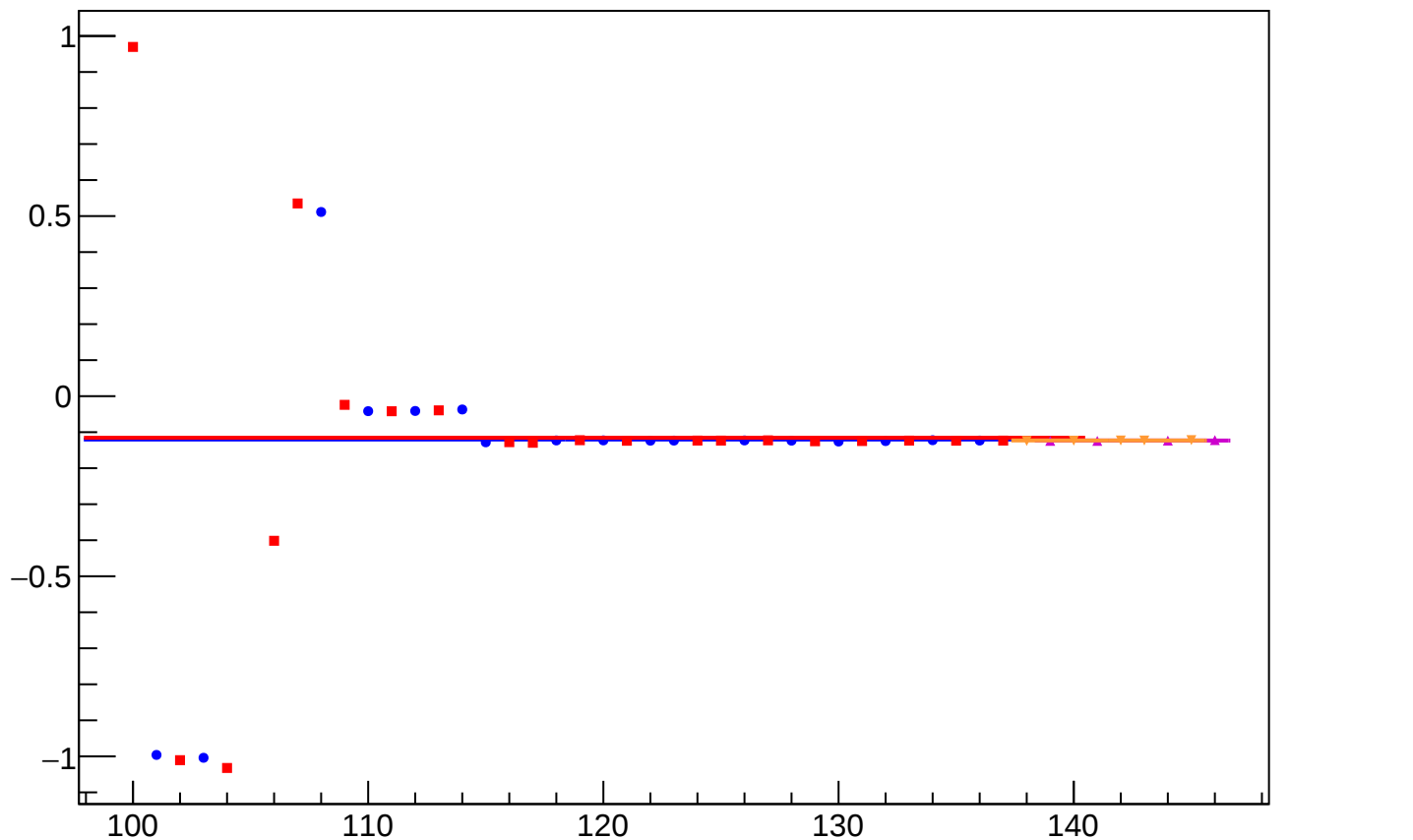
Left In: 0.002+/-0.000 χ^2/NDF : 461606.5/3

0.002+/-0.000 χ^2/NDF : 2224835.6/21

0.002+/-0.000 χ^2/NDF : 5797926.2/45

0.002+/-0.000 χ^2/NDF : 3530469.1/23

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.123+/-0.000 χ^2/NDF : 1689443.2/4

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

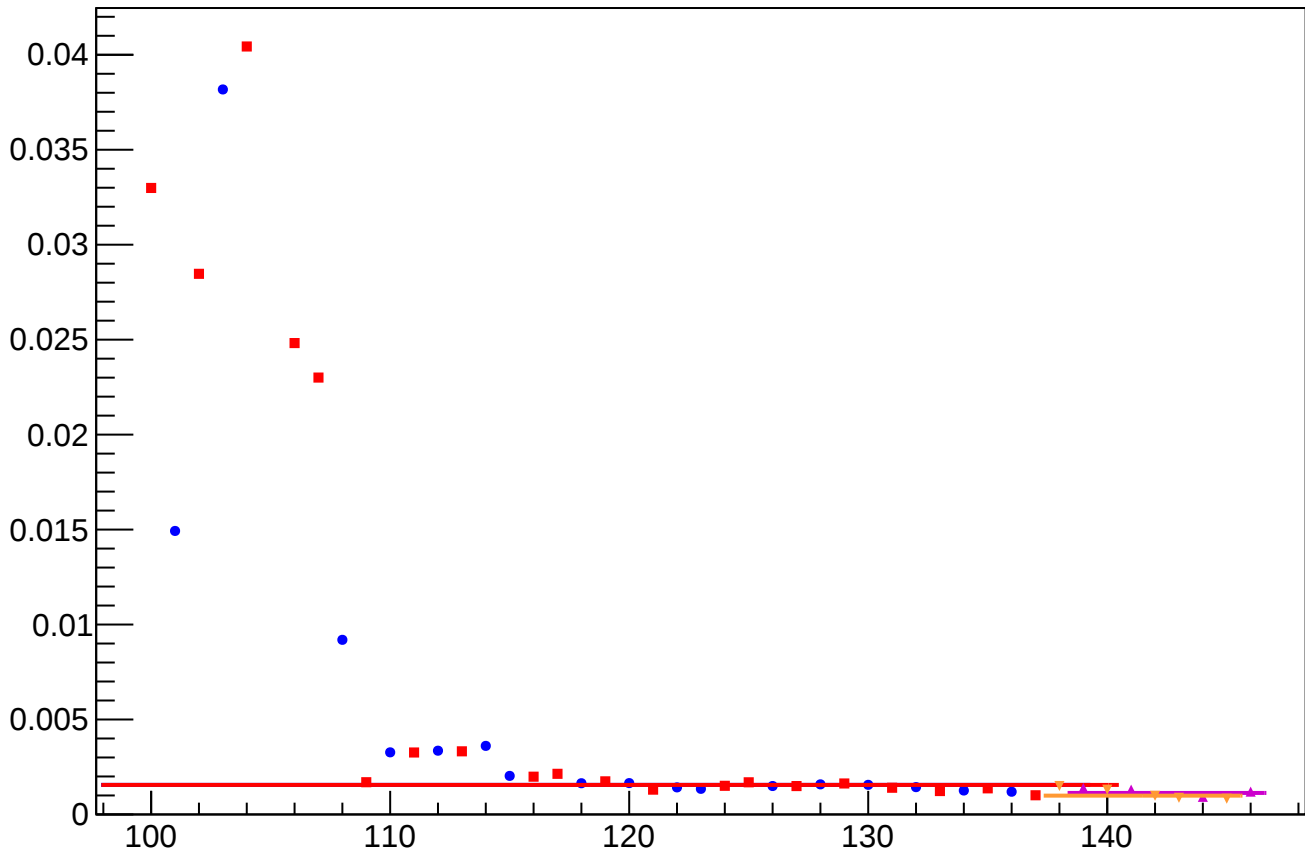
Left In: -0.123+/-0.000 χ^2/NDF : 1440434.7/3

-0.122+/-0.000 χ^2/NDF : 3941787195.5/21

-0.121+/-0.000 χ^2/NDF : 6474350130.7/4

-0.120+/-0.000 χ^2/NDF : 2520774942.0/23

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:301209.4/4

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3545212.9/19

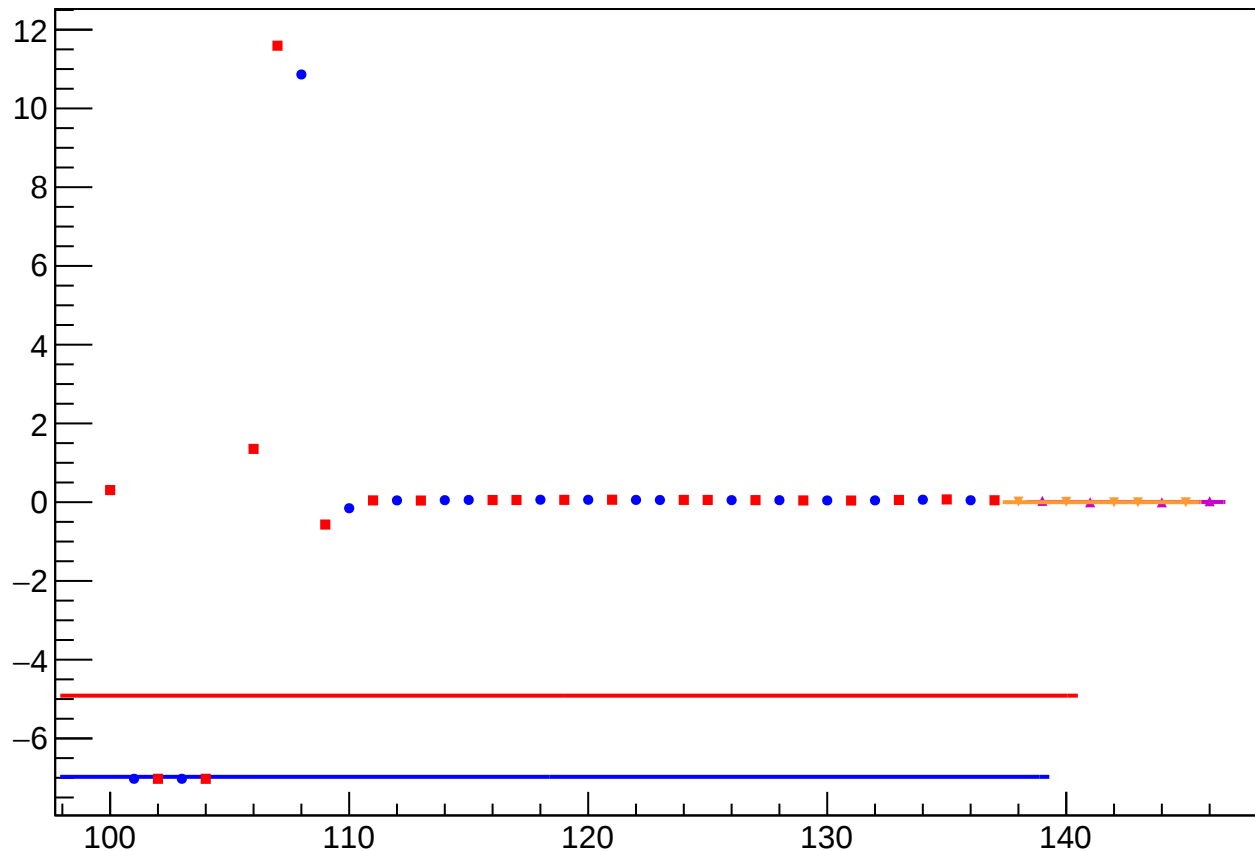
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:155040.3/3

0.001 $\pm$ 0.000 χ^2 /NDF: 3940780.2/21

0.001 $\pm$ 0.000 χ^2 /NDF: 8067702.5/45

0.001 $\pm$ 0.000 χ^2 /NDF: 4065252.9/23

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.000+/-0.000 χ^2/NDF : 1770990.9/4

Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

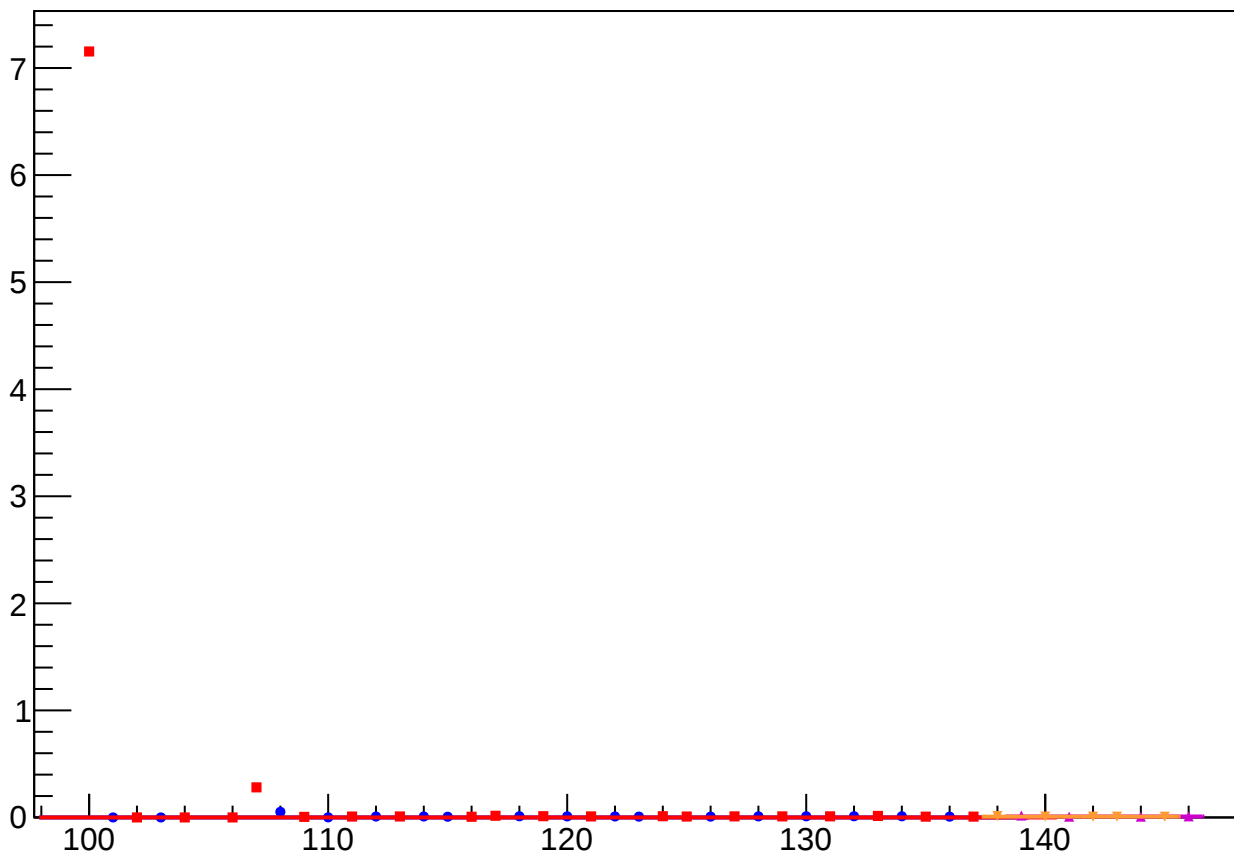
Left In: 0.006+/-0.000 χ^2/NDF : 5469297.9/3

-6.965+/-0.000 χ^2/NDF : 10523223913682.5/21

-5.892+/-0.000 χ^2/NDF : 4325982594484

-4.909+/-0.000 χ^2/NDF : 366067000470364.4/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.008+/-0.000 χ^2/NDF :193543.6/4

Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

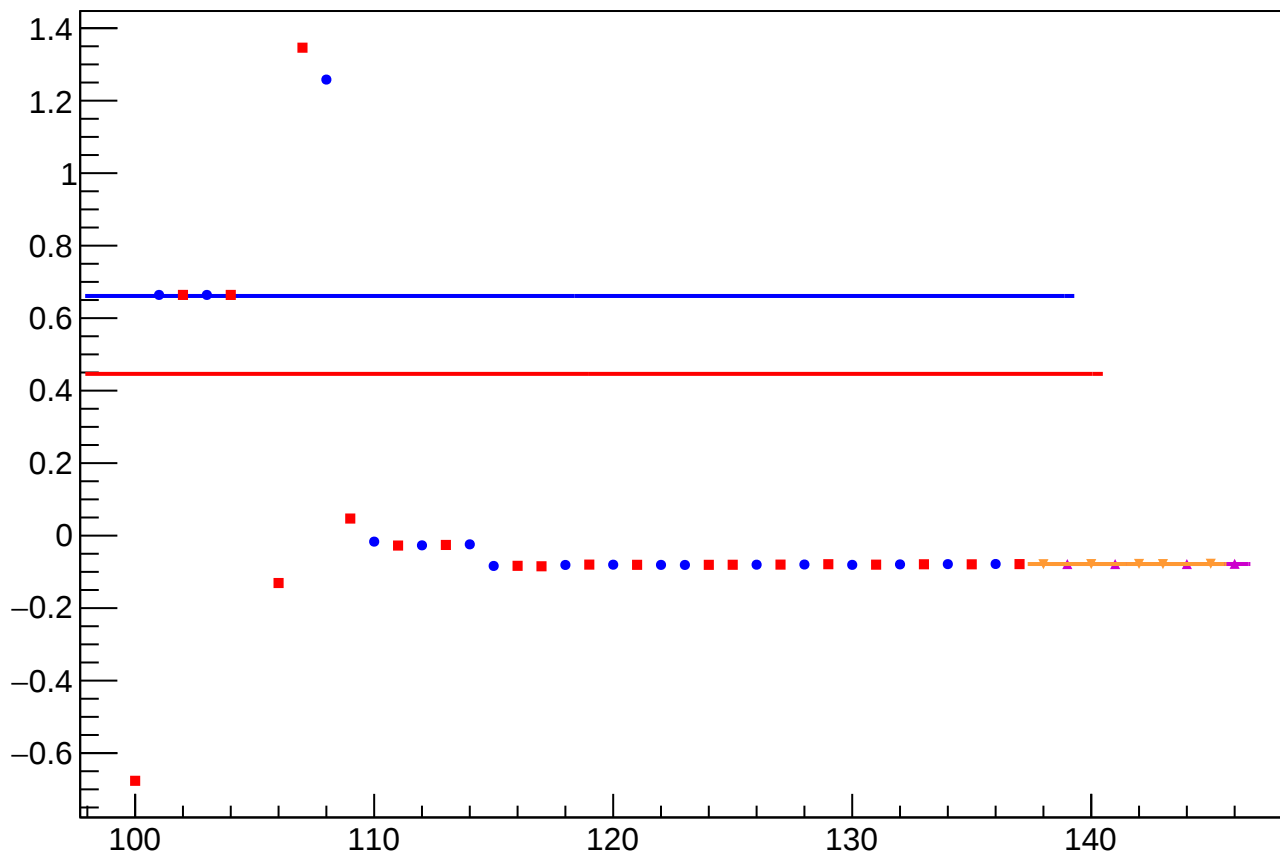
Left In: 0.009+/-0.000 χ^2/NDF :459315.1/3

0.000+/-0.000 χ^2/NDF : 12859512.7/21

0.000+/-0.000 χ^2/NDF : 26676172.4/45

0.000+/-0.000 χ^2/NDF : 13815958.5/23

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.078+/-0.000 χ^2/NDF : 2095030.1/4

Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

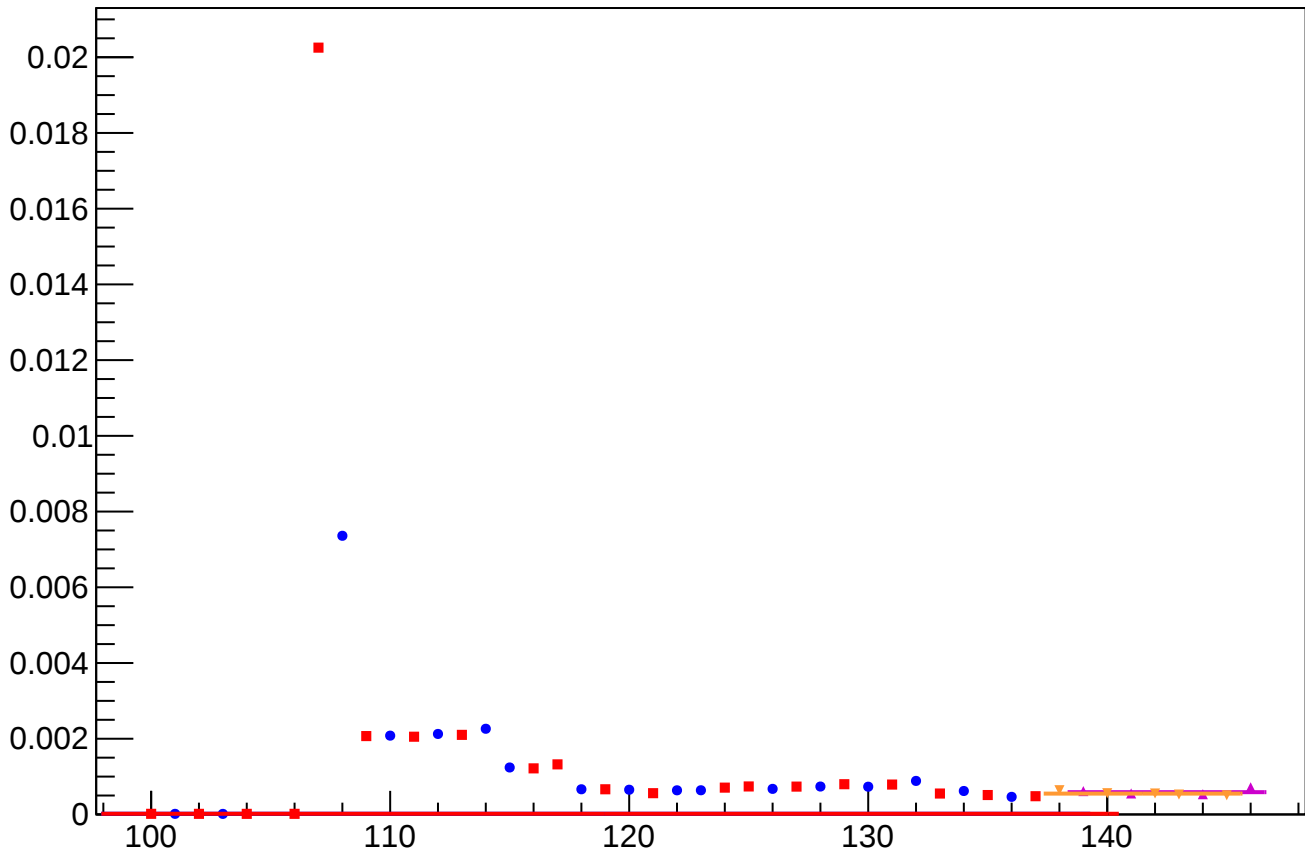
Left In: -0.078+/-0.000 χ^2/NDF : 588251.5/3

0.658+/-0.000 χ^2/NDF : 11295588592668.1/21

0.547+/-0.000 χ^2/NDF : 48149044788057

0.445+/-0.000 χ^2/NDF : 407831184953819.2/23

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 41695.9/4

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

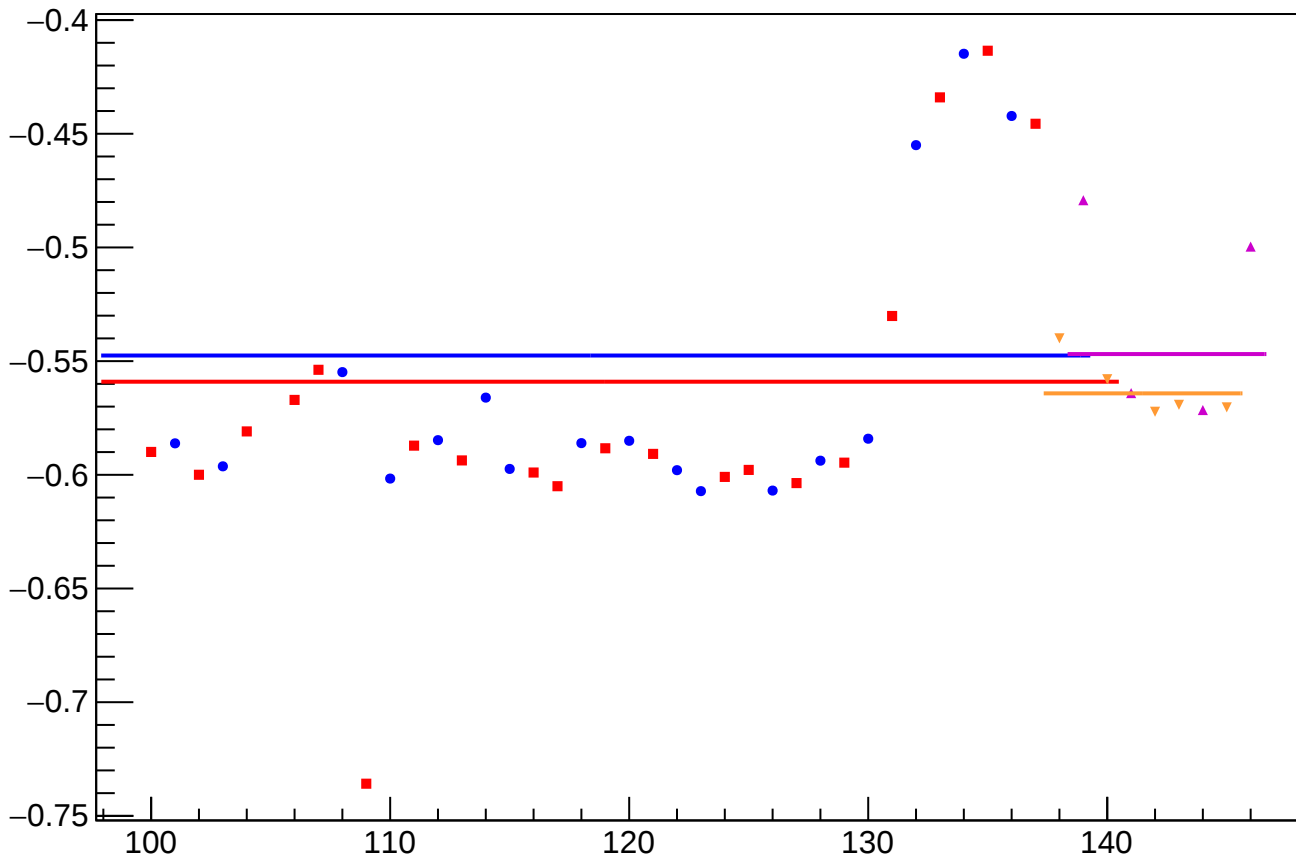
Left In: 0.001+/-0.000 χ^2/NDF : 73984.8/3

0.000+/-0.000 χ^2/NDF : 15808273.6/21

0.000+/-0.000 χ^2/NDF : 31129126.5/45

0.000+/-0.000 χ^2/NDF : 15320374.5/23

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.564+/-0.000 χ^2/NDF : 701651.1/4

Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

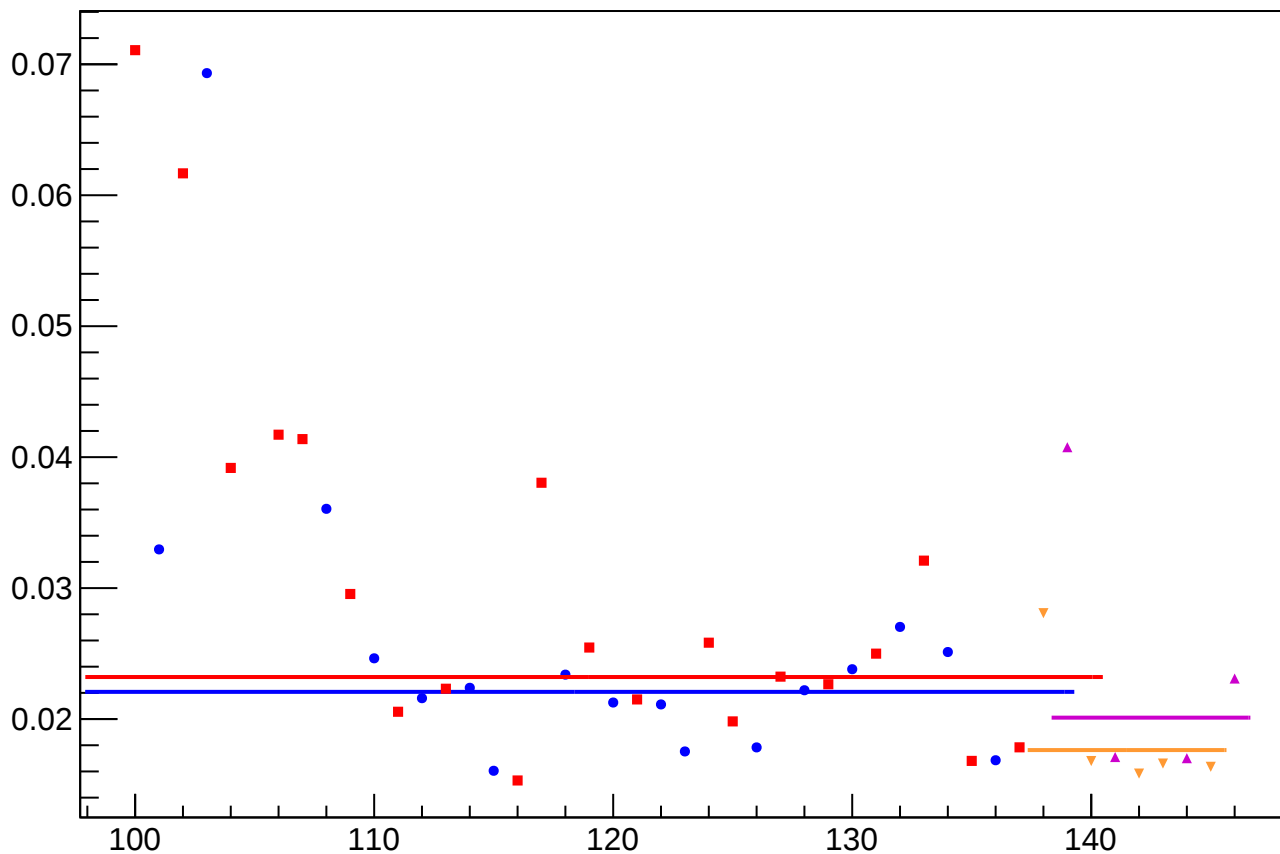
Left In: -0.547+/-0.000 χ^2/NDF : 6590400.0/3

-0.554+/-0.000 χ^2/NDF : 50440086.1/21

-0.555+/-0.000 χ^2/NDF : 122960417.4/45

-0.555+/-0.000 χ^2/NDF : 72520201.1/23

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.018+/-0.000 χ^2/NDF : 183483.7/4

Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

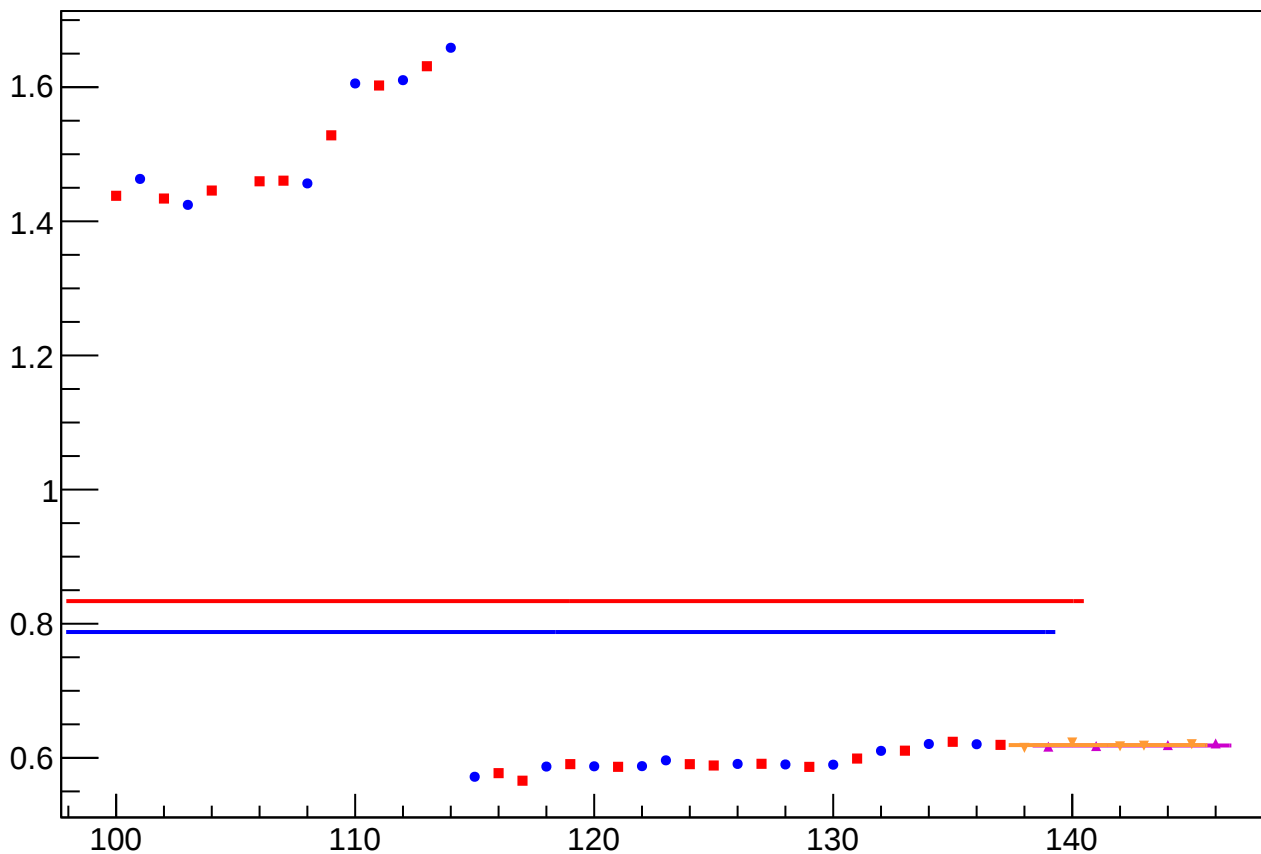
Left In: 0.020+/-0.000 χ^2/NDF : 468881.6/3

0.020+/-0.000 χ^2/NDF : 1308397.3/21

0.021+/-0.000 χ^2/NDF : 3073142.0/45

0.022+/-0.000 χ^2/NDF : 1708233.0/23

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.619+/-0.000 χ^2/NDF :193595.3/4

Right Out: 0.834+/-0.000 χ^2/NDF : 4155673215.9/19

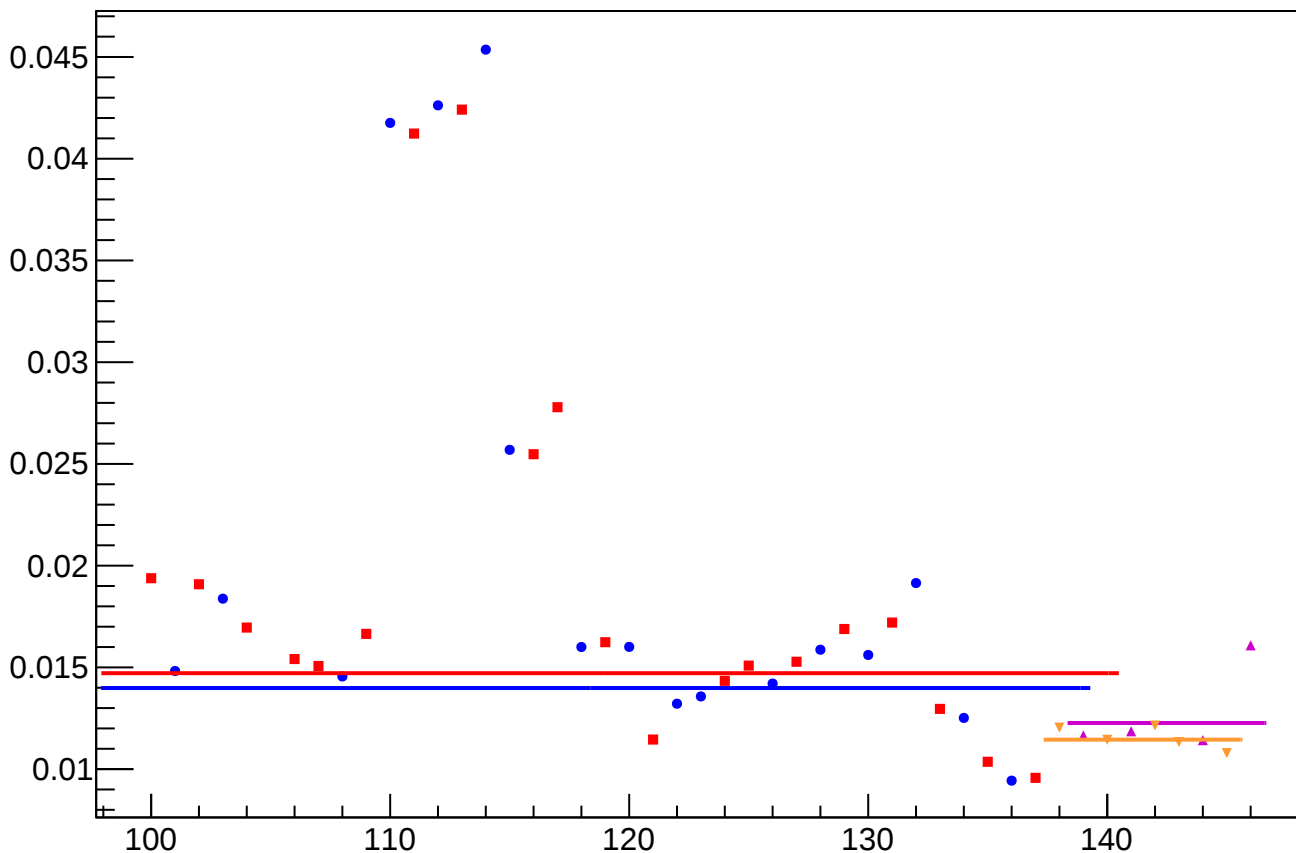
Left In: 0.618+/-0.000 χ^2/NDF :48561.5/3

0.710+/-0.000 χ^2/NDF : 3958562238.3/21

0.726+/-0.000 χ^2/NDF : 8685638126.3/45

0.743+/-0.000 χ^2/NDF : 4698757483.8/23

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 11840.0/4

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1275472.3/19

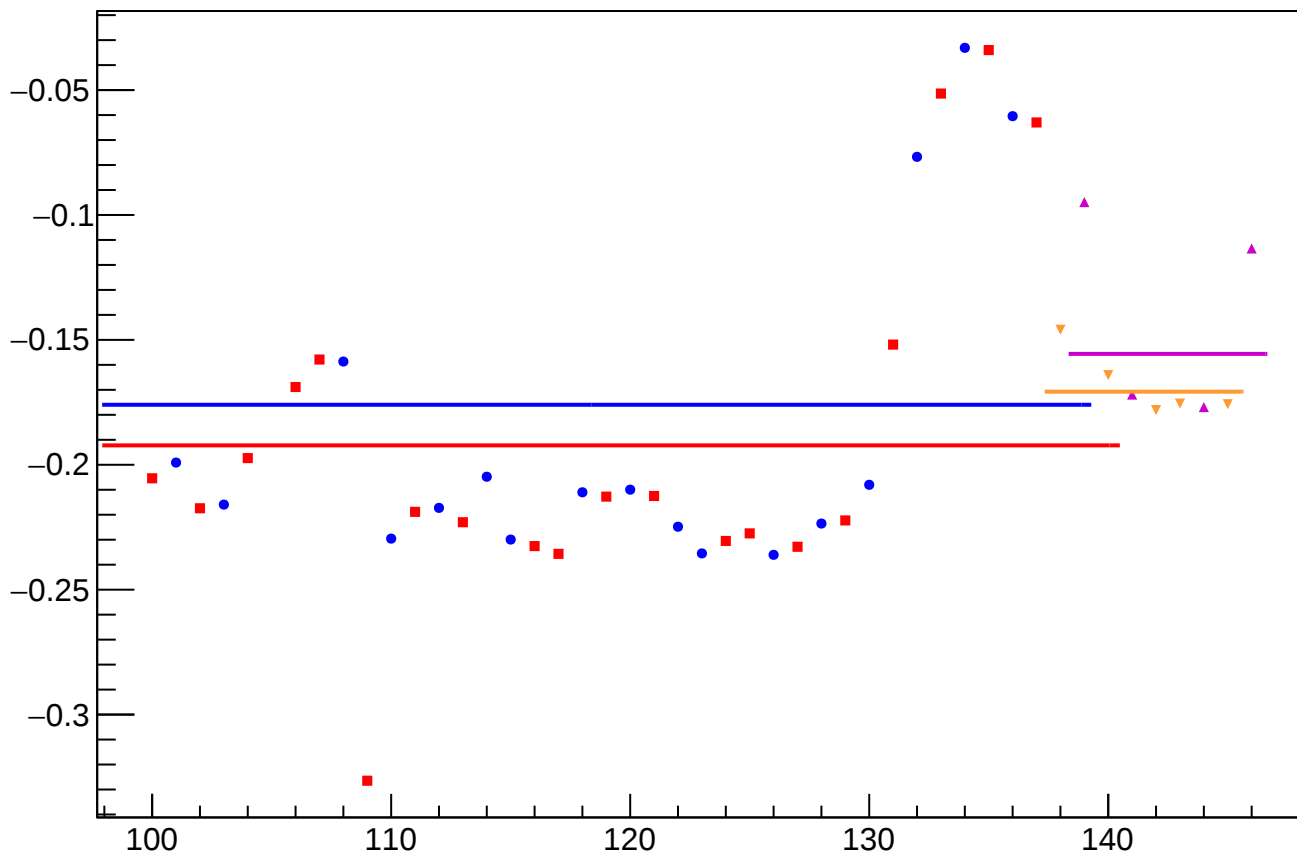
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 98226.2/3

0.013 $\pm$ 0.000 χ^2/NDF : 1581162.3/21

0.013 $\pm$ 0.000 χ^2/NDF : 3133799.5/45

0.014 $\pm$ 0.000 χ^2/NDF : 1514144.7/23

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.171+/-0.000 χ^2/NDF : 744313.6/4

Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

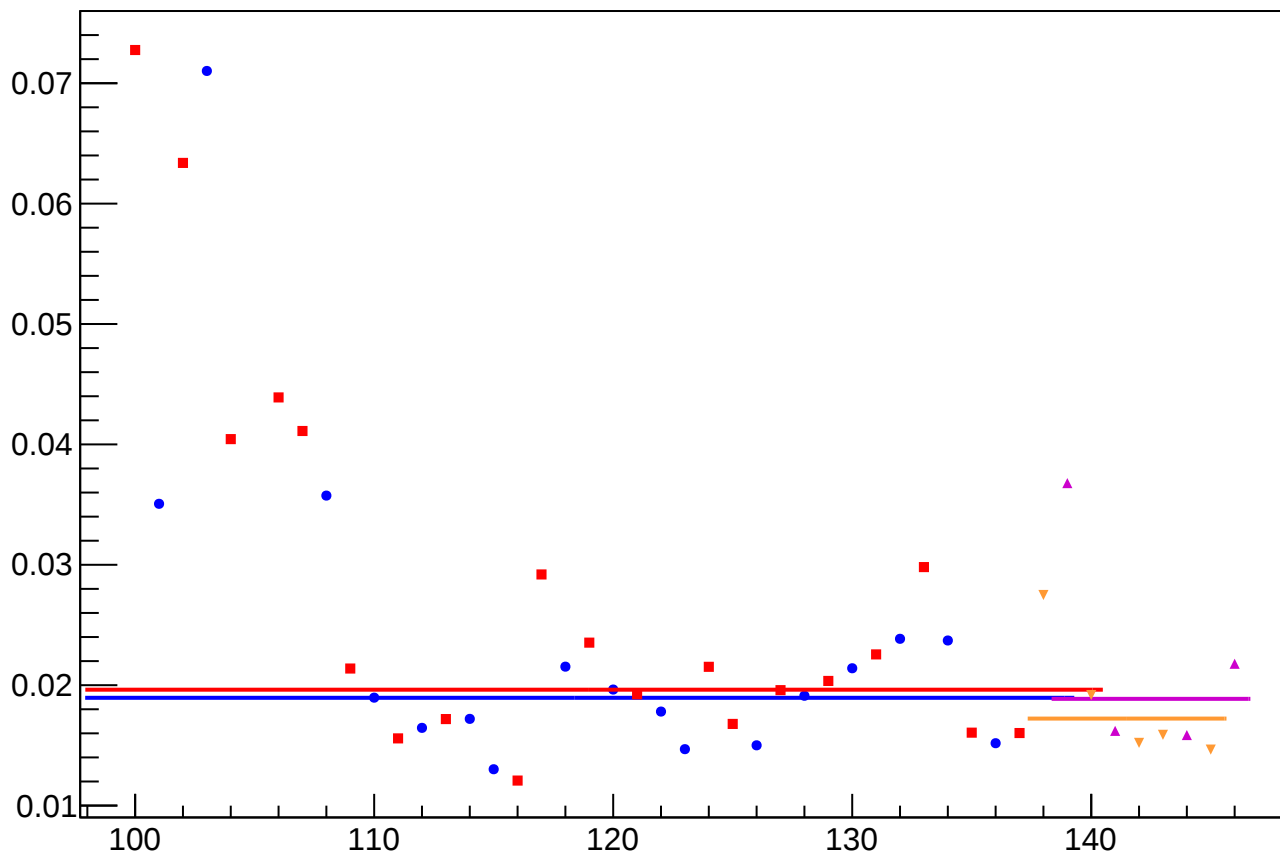
Left In: -0.156+/-0.000 χ^2/NDF : 6131227.7/3

-0.174+/-0.000 χ^2/NDF : 71004090.8/21

-0.177+/-0.000 χ^2/NDF : 166857034.0/45

-0.180+/-0.000 χ^2/NDF : 95461480.2/23

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.017+/-0.000 χ^2/NDF : 233911.6/4

Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

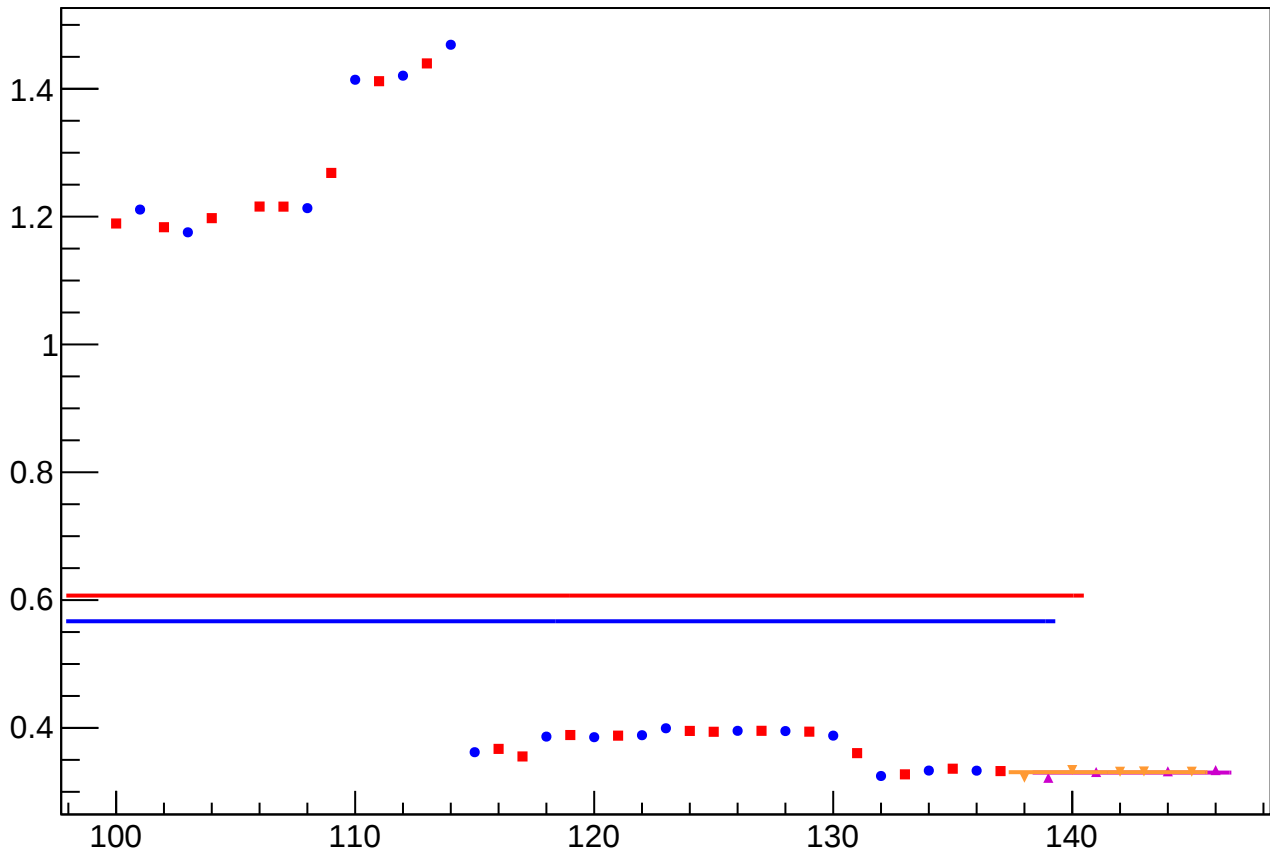
Left In: 0.019+/-0.000 χ^2/NDF : 442032.1/3

0.018+/-0.000 χ^2/NDF : 1467314.6/21

0.019+/-0.000 χ^2/NDF : 3401868.5/45

0.019+/-0.000 χ^2/NDF : 1911180.8/23

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.331 $\pm$ 0.000 χ^2 /NDF:363059.4/4

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

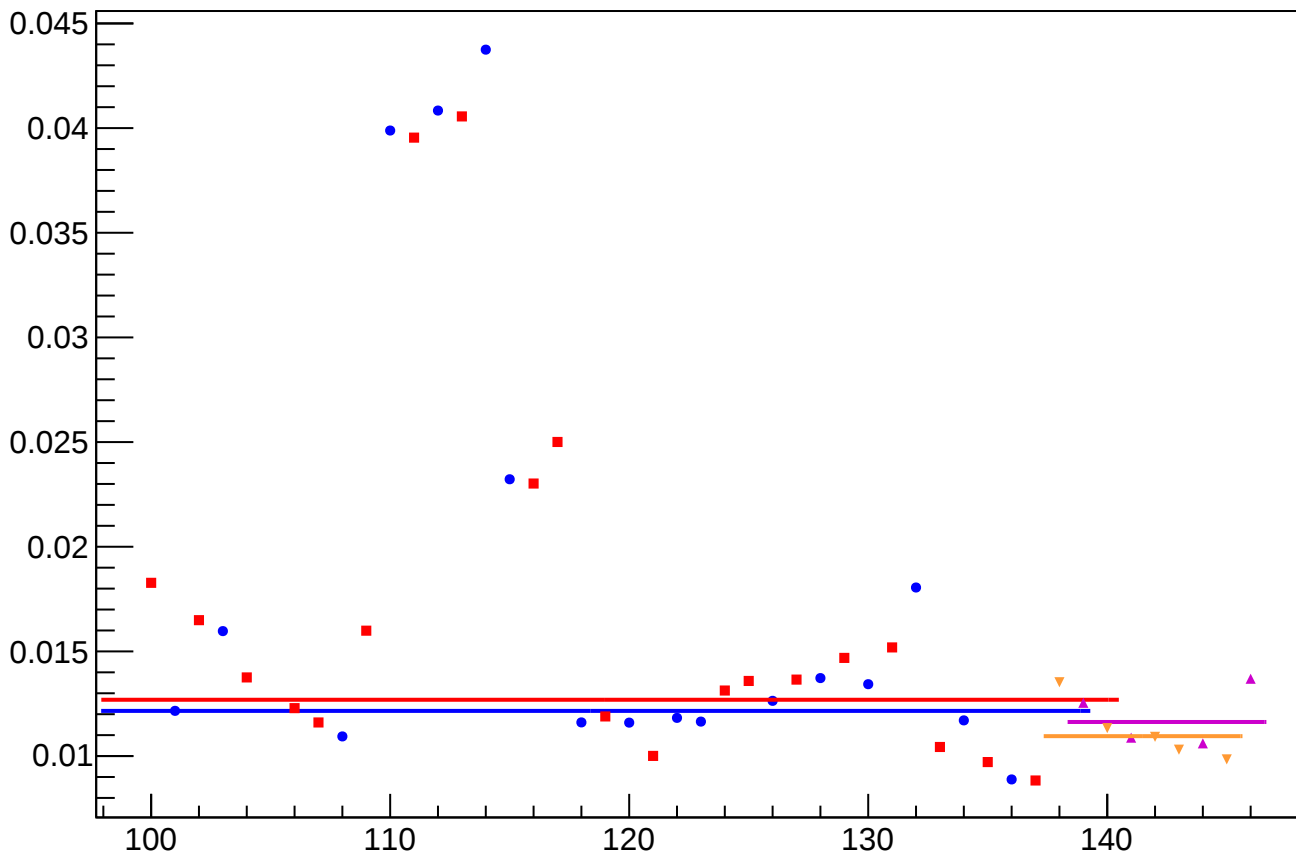
Left In: 0.330 $\pm$ 0.000 χ^2 /NDF:395022.7/3

0.470 $\pm$ 0.000 χ^2 /NDF: 5884463581.8/21

0.485 $\pm$ 0.000 χ^2 /NDF: 12494829674.9/4

0.502 $\pm$ 0.000 χ^2 /NDF: 6578990036.0/23

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 76125.1/4

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

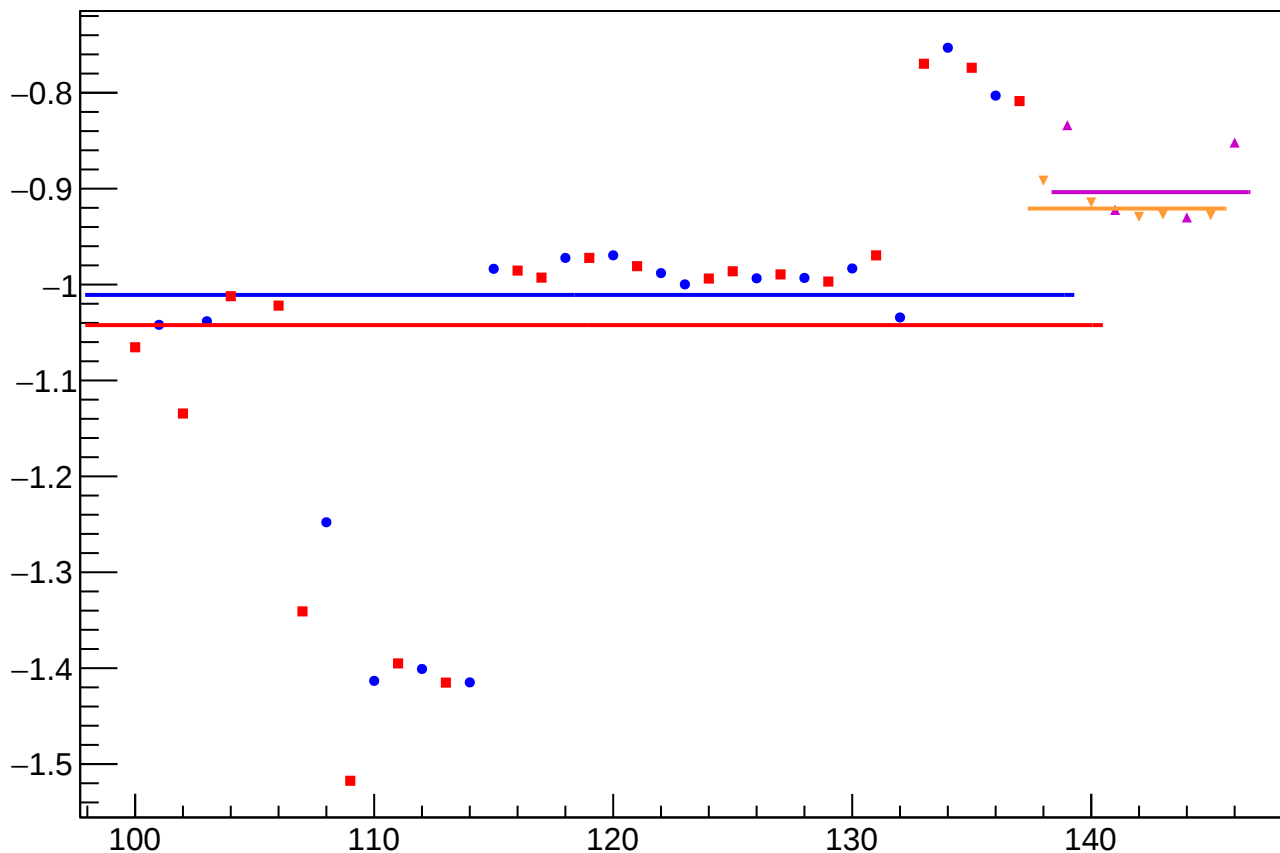
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 64545.6/3

0.012 $\pm$ 0.000 χ^2 /NDF: 1429354.4/21

0.012 $\pm$ 0.000 χ^2 /NDF: 2835274.1/45

0.012 $\pm$ 0.000 χ^2 /NDF: 1381901.5/23

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.921+/-0.000 χ^2/NDF : 999331.5/4

Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

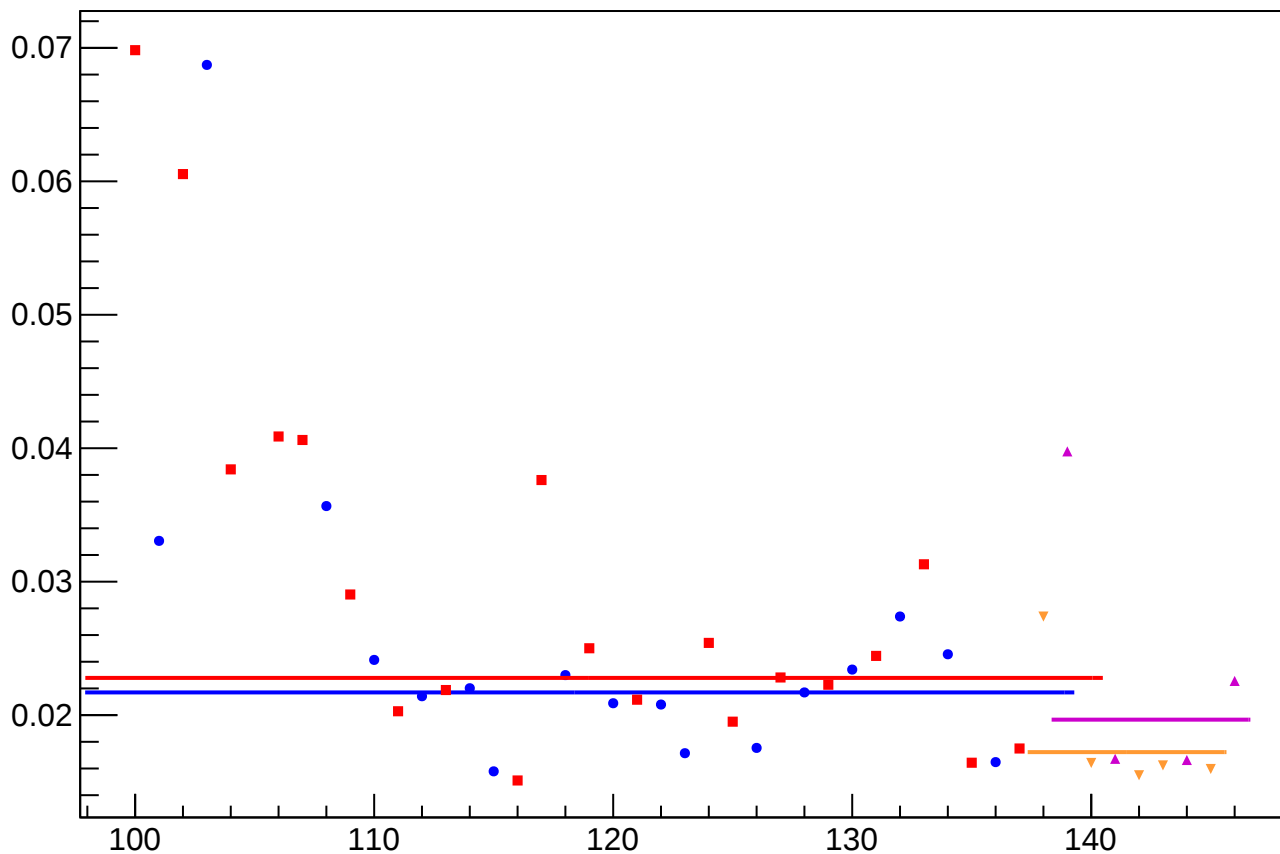
Left In: -0.904+/-0.000 χ^2/NDF : 7910714.0/3

-0.973+/-0.000 χ^2/NDF : 424518907.3/21

-0.981+/-0.000 χ^2/NDF : 1037505761.7/4

-0.991+/-0.000 χ^2/NDF : 610204000.3/23

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.017 $\pm$ 0.000 χ^2/NDF : 182237.2/4

Right Out: 0.023 $\pm$ 0.000 χ^2/NDF : 1164870.4/19

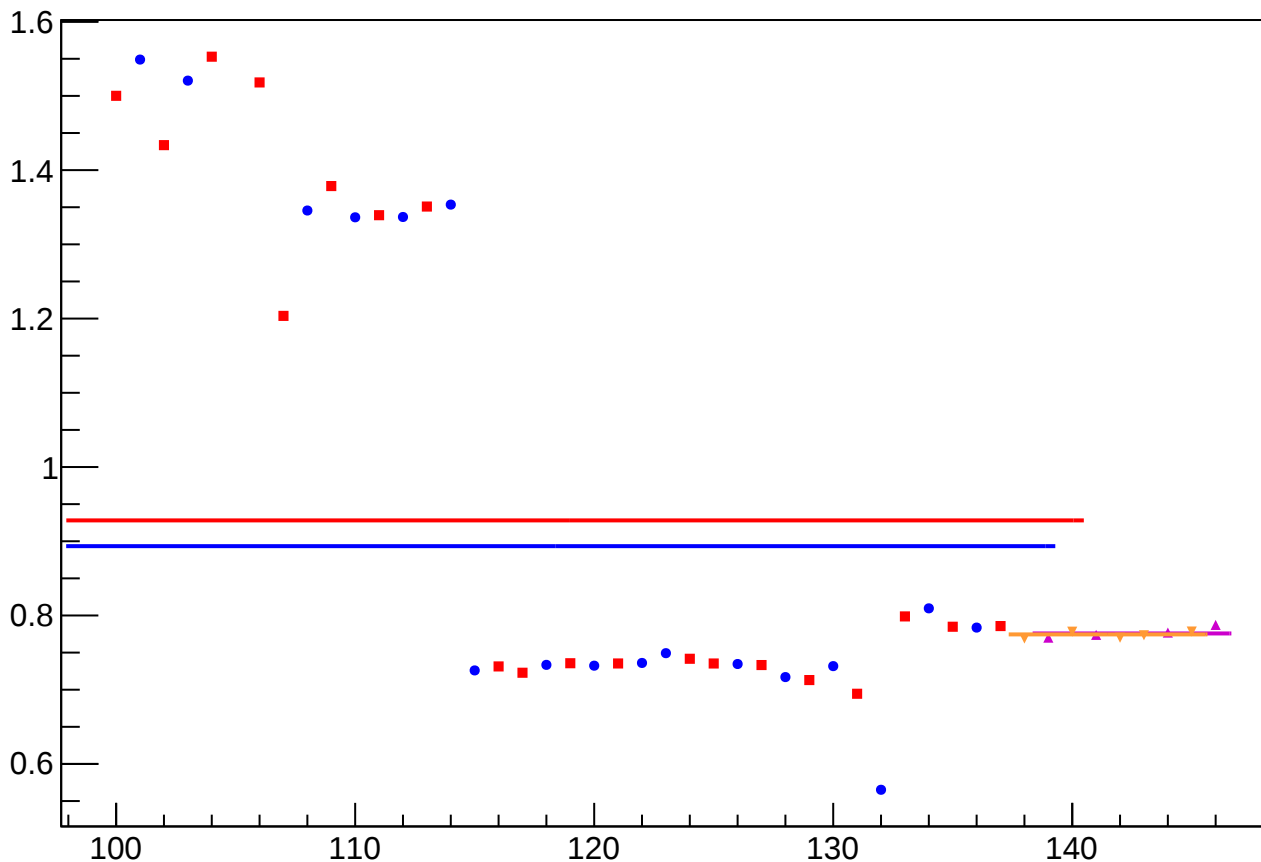
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 466843.6/3

0.020 $\pm$ 0.000 χ^2/NDF : 1341101.5/21

0.021 $\pm$ 0.000 χ^2/NDF : 3103880.6/45

0.022 $\pm$ 0.000 χ^2/NDF : 1706276.8/23

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.775+/-0.000 χ^2/NDF : 383759.3/4

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

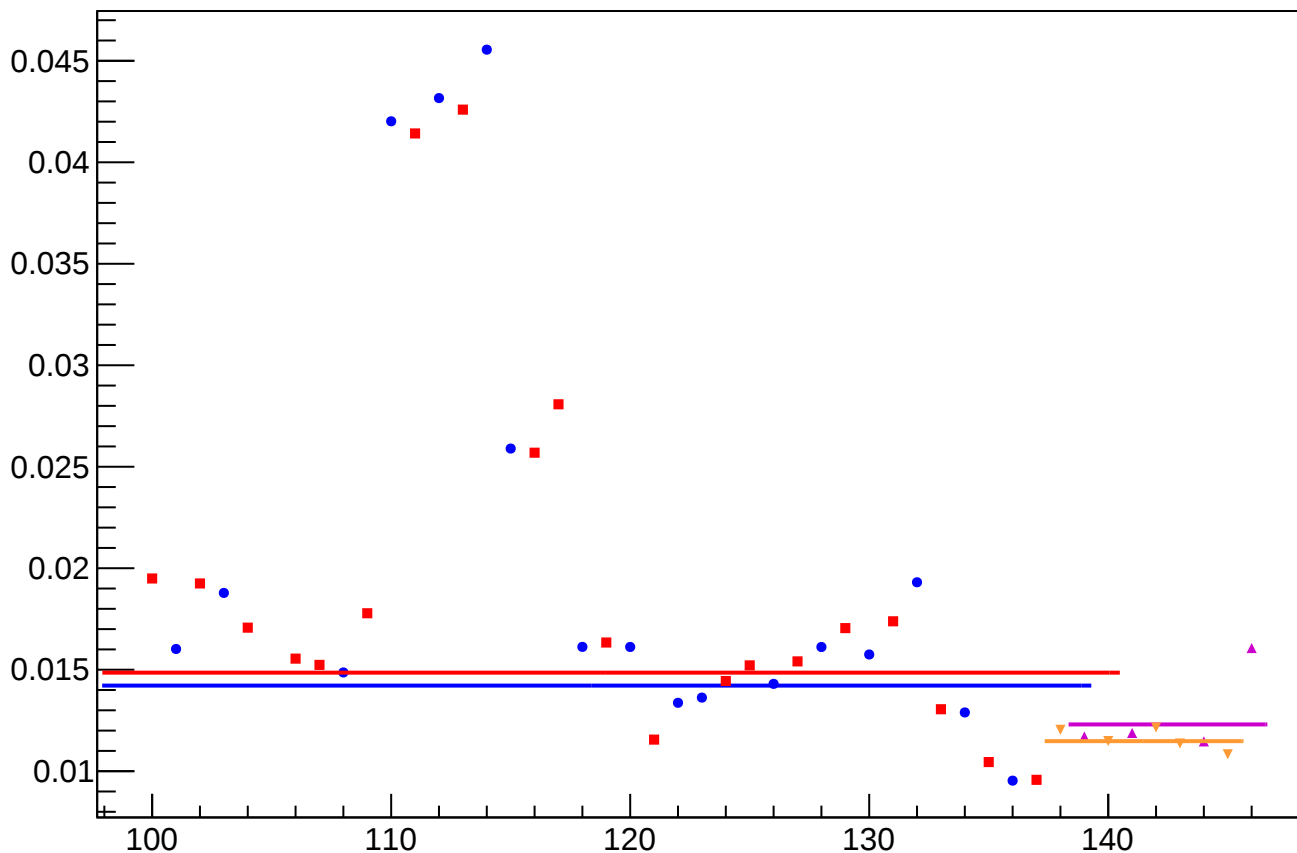
Left In: 0.776+/-0.000 χ^2/NDF : 575101.1/3

0.838+/-0.000 χ^2/NDF : 2592066866.3/21

0.850+/-0.000 χ^2/NDF : 5315326035.2/45

0.863+/-0.000 χ^2/NDF : 2706588076.9/23

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:11005.5/4

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1286513.9/19

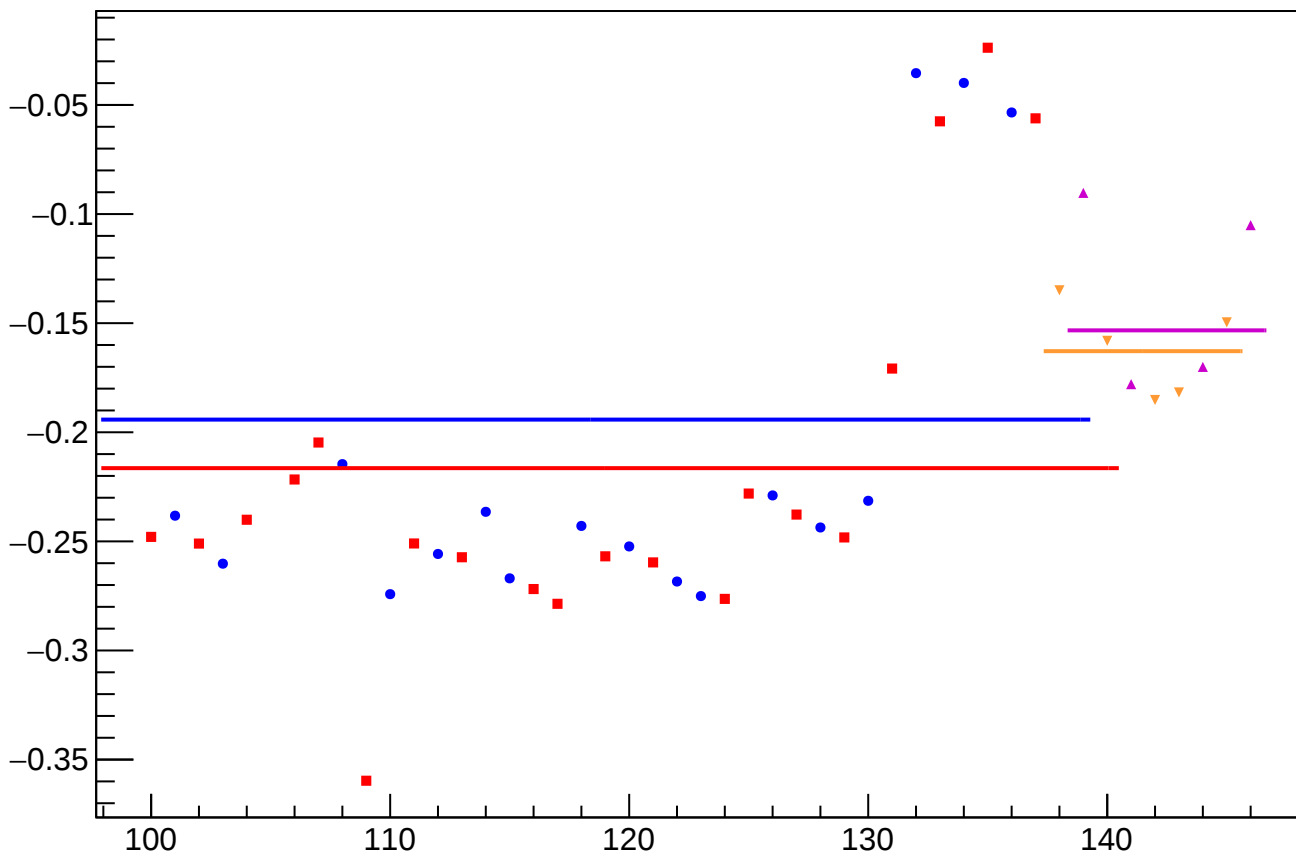
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:95650.5/3

0.013 $\pm$ 0.000 χ^2 /NDF: 1615295.8/21

0.013 $\pm$ 0.000 χ^2 /NDF: 3183213.8/45

0.014 $\pm$ 0.000 χ^2 /NDF: 1532798.9/23

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.163+/-0.000 χ^2/NDF : 2445233.8/4

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

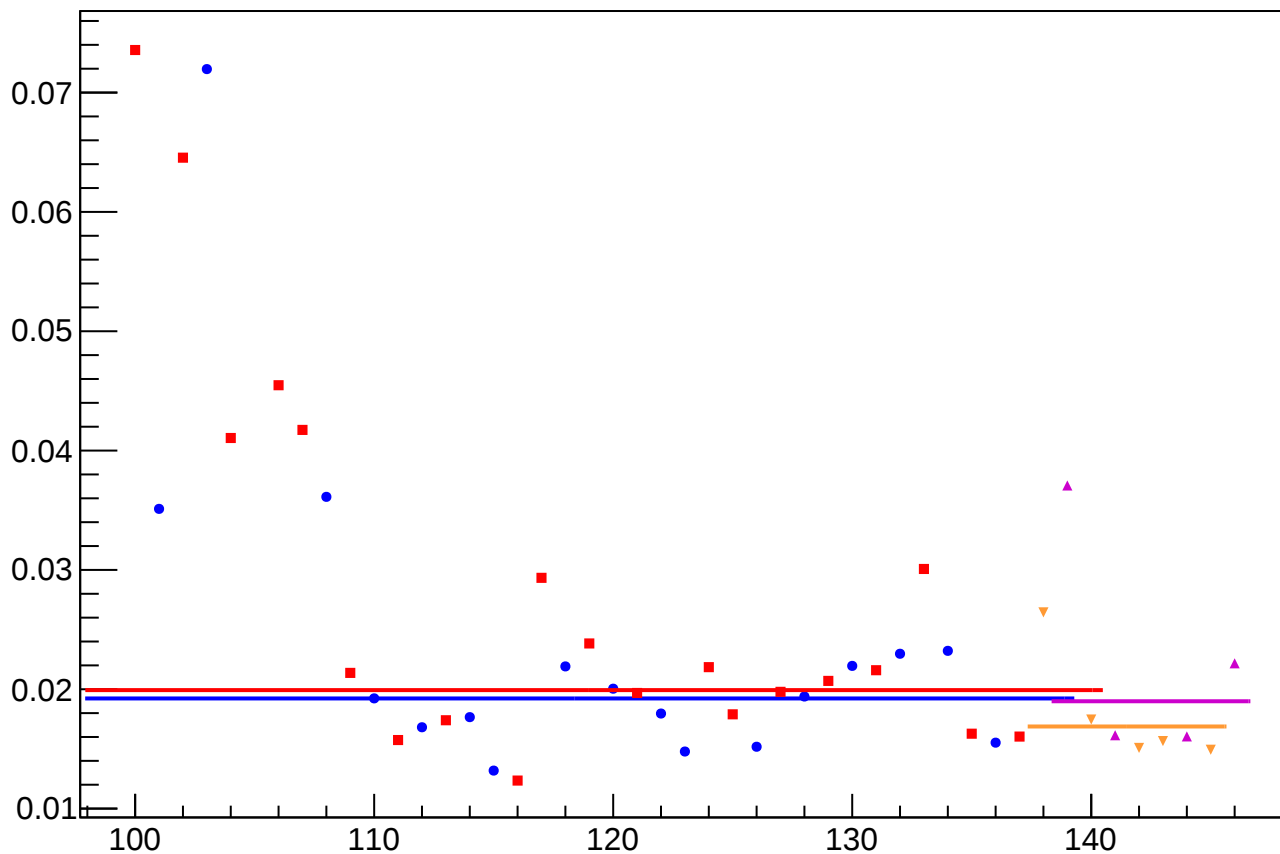
Left In: -0.153+/-0.000 χ^2/NDF : 7213988.6/3

-0.182+/-0.000 χ^2/NDF : 115875083.4/21

-0.189+/-0.000 χ^2/NDF : 253511037.1/45

-0.195+/-0.000 χ^2/NDF : 135868256.7/23

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.017+/-0.000 χ^2/NDF : 191103.2/4

Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

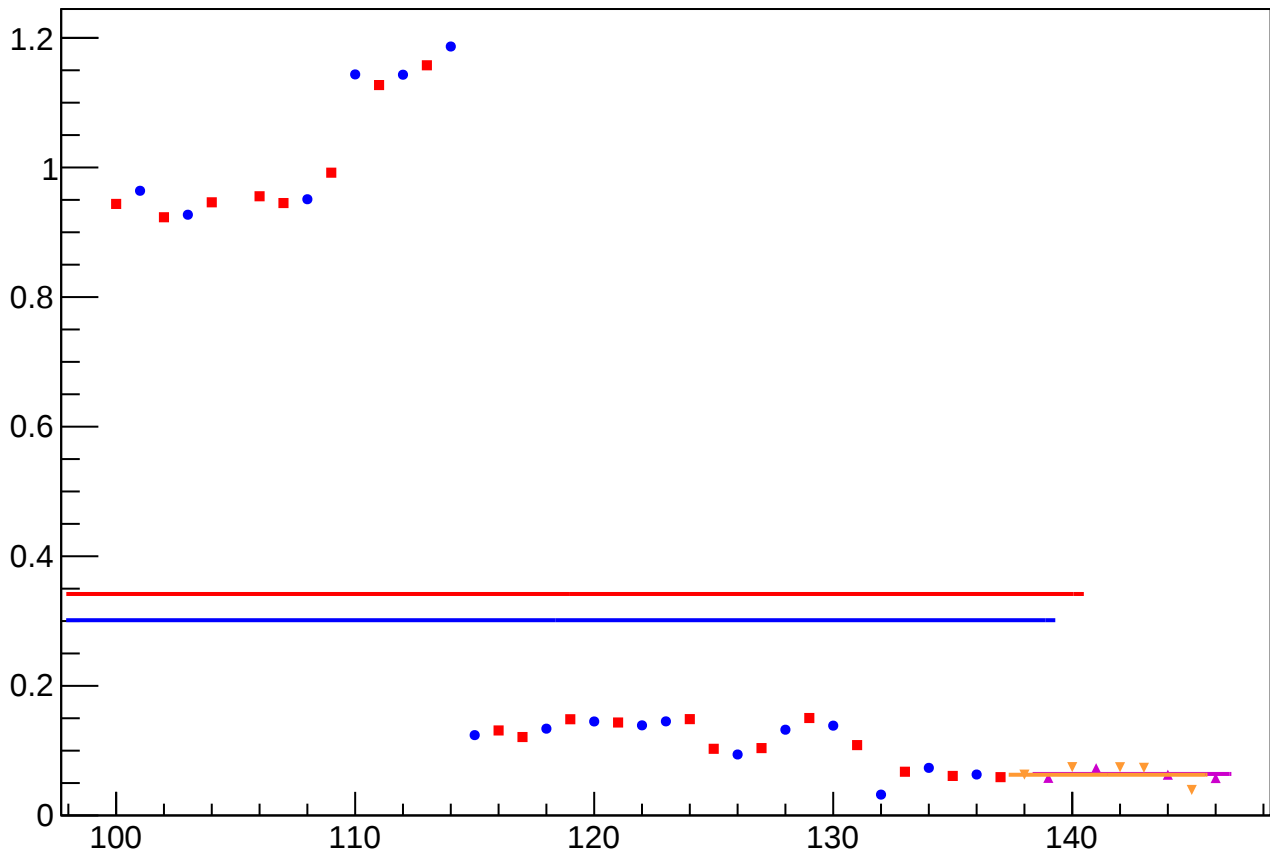
Left In: 0.019+/-0.000 χ^2/NDF : 447947.5/3

0.018+/-0.000 χ^2/NDF : 1421829.1/21

0.019+/-0.000 χ^2/NDF : 3363862.2/45

0.020+/-0.000 χ^2/NDF : 1908311.4/23

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.063+/-0.000 χ^2/NDF : 6285742.4/4

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

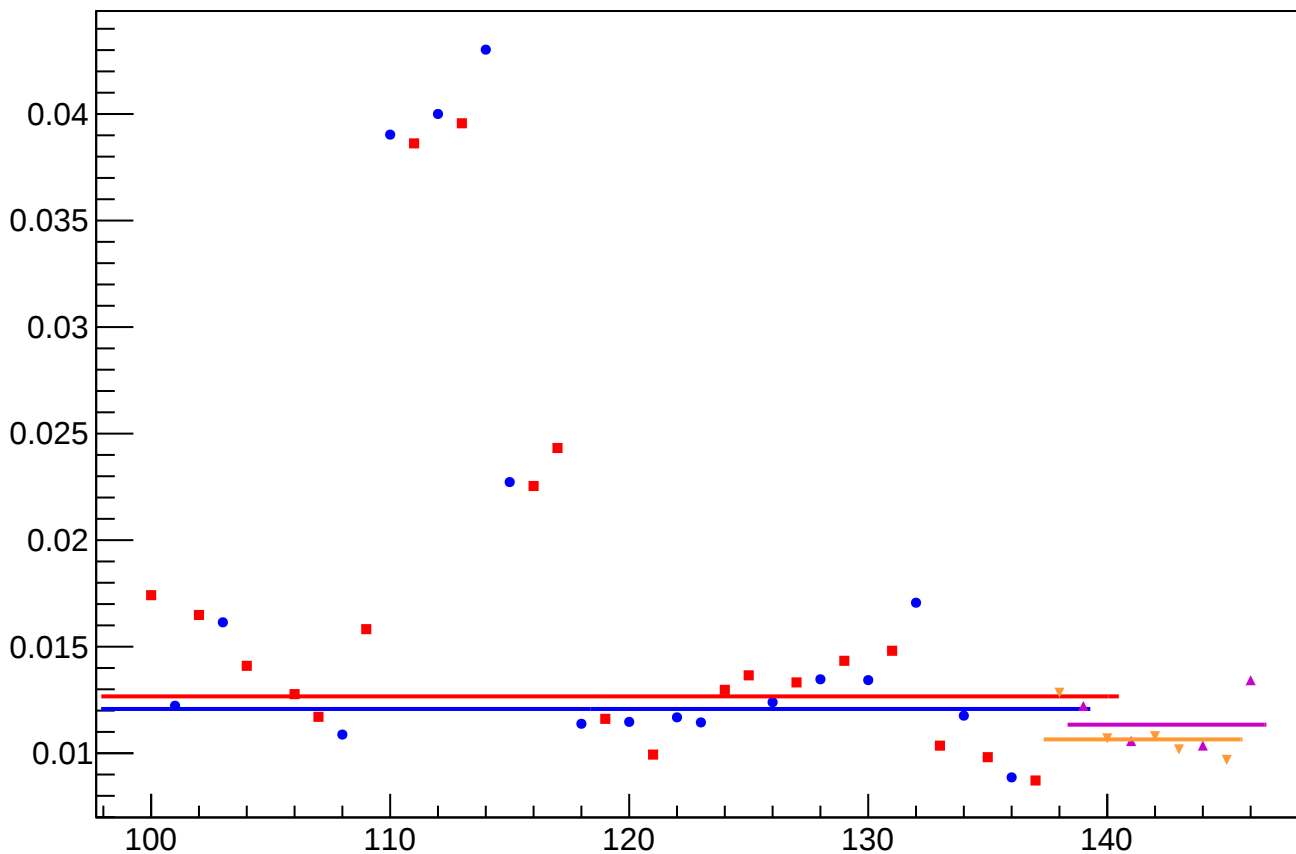
Left In: 0.064+/-0.000 χ^2/NDF : 913656.7/3

0.201+/-0.000 χ^2/NDF : 6080258588.4/21

0.216+/-0.000 χ^2/NDF : 12670803268.6/4

0.233+/-0.000 χ^2/NDF : 6557692139.2/23

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 58063.9/4

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1253755.7/19

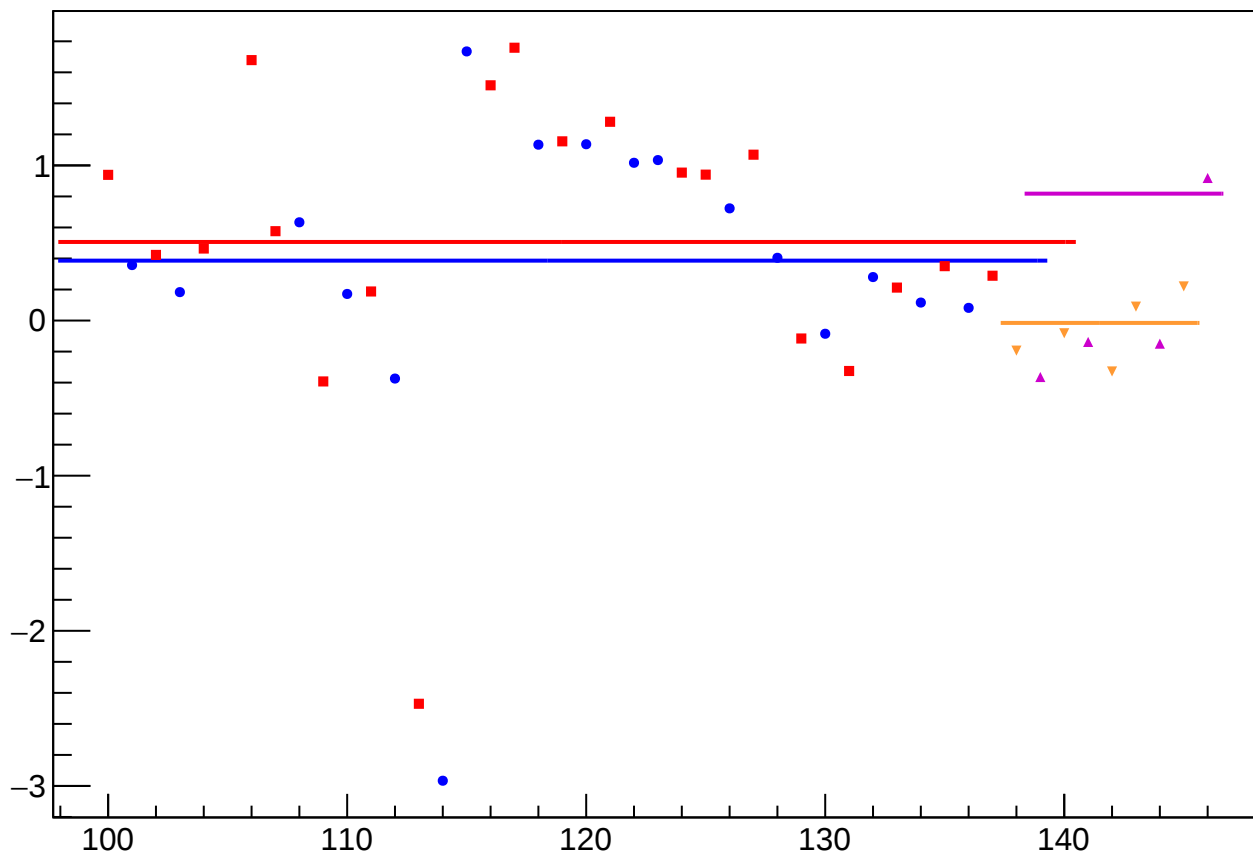
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 66731.4/3

0.011 $\pm$ 0.000 χ^2/NDF : 1404268.4/21

0.012 $\pm$ 0.000 χ^2/NDF : 2804100.4/45

0.012 $\pm$ 0.000 χ^2/NDF : 1371253.4/23

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 $\pm$ 0.000 χ^2/NDF : 246380221.7/16

Left Out: -0.015 $\pm$ 0.000 χ^2/NDF : 23028223.3/4

Right Out: 0.507 $\pm$ 0.000 χ^2/NDF : 995373603.6/19

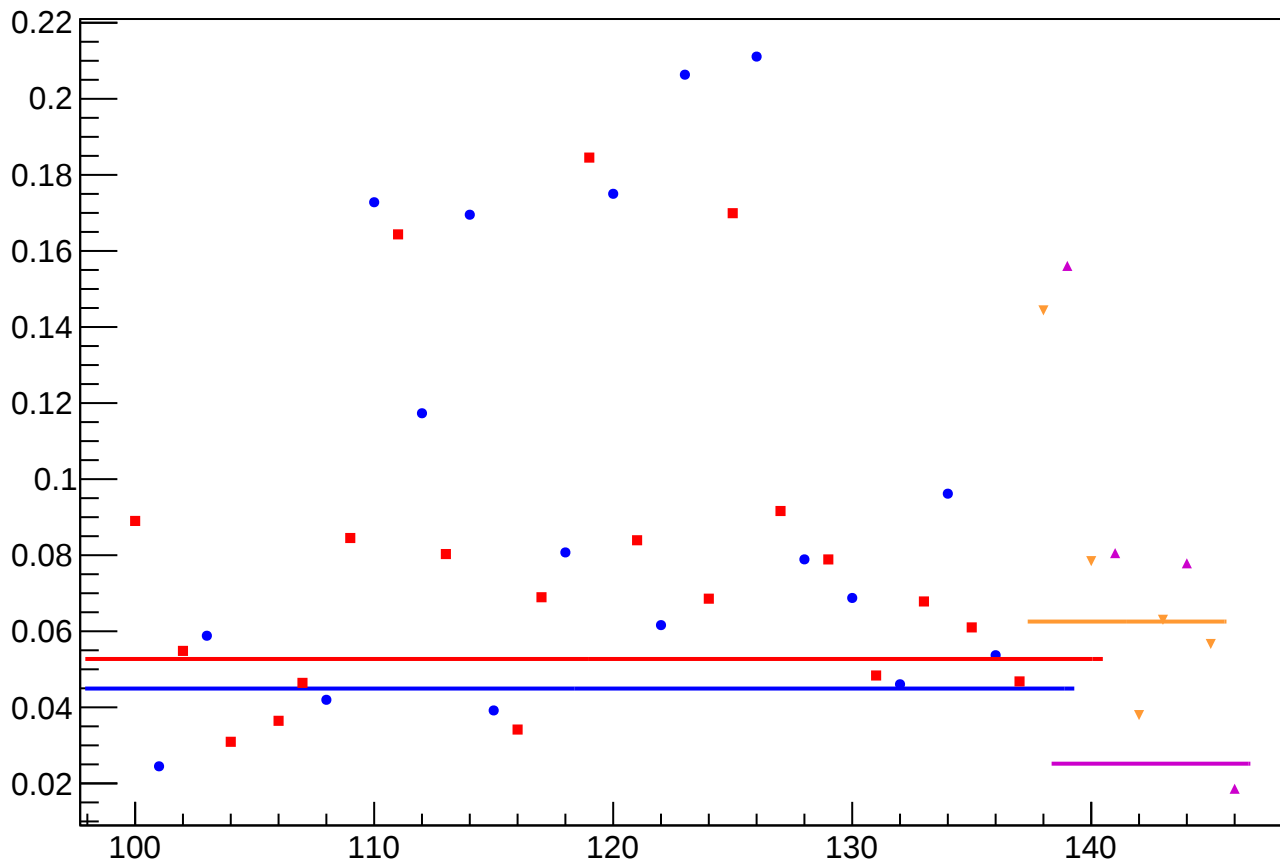
Left In: 0.818 $\pm$ 0.000 χ^2/NDF : 204342896.8/3

0.299 $\pm$ 0.000 χ^2/NDF : 330291955.8/21

0.536 $\pm$ 0.000 χ^2/NDF : 1817321070.2/45

0.686 $\pm$ 0.000 χ^2/NDF : 1283176934.3/23

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.063+/-0.000 χ^2/NDF : 609262.8/4

Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

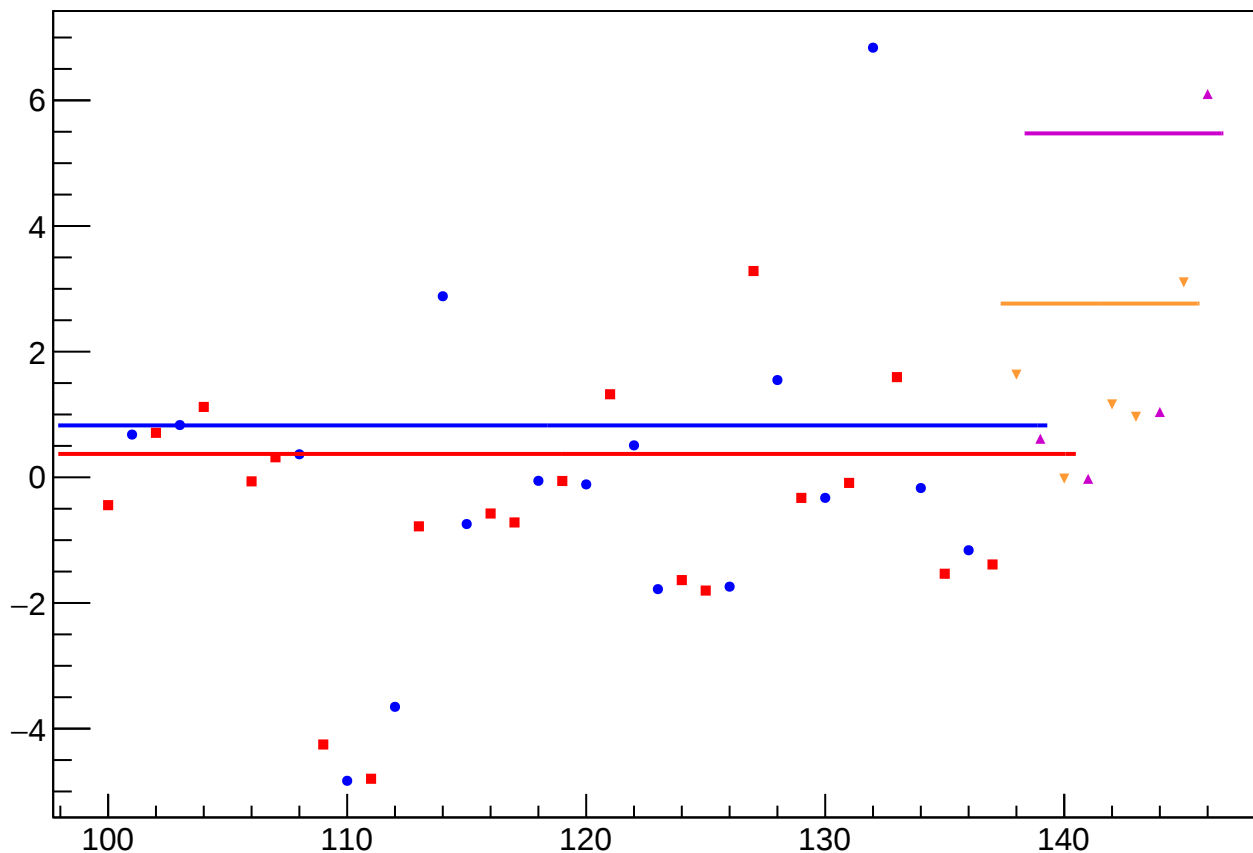
Left In: 0.025+/-0.000 χ^2/NDF : 1991333.2/3

0.049+/-0.000 χ^2/NDF : 3632047.1/21

0.041+/-0.000 χ^2/NDF : 9509038.9/45

0.037+/-0.000 χ^2/NDF : 5492037.5/23

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 $\pm$ 0.000 χ^2/NDF : 10945455664.9/16

Left Out: 2.765 $\pm$ 0.000 χ^2/NDF : 2302926446.6/4

Right Out: 0.372 $\pm$ 0.000 χ^2/NDF : 4960201861.0/19

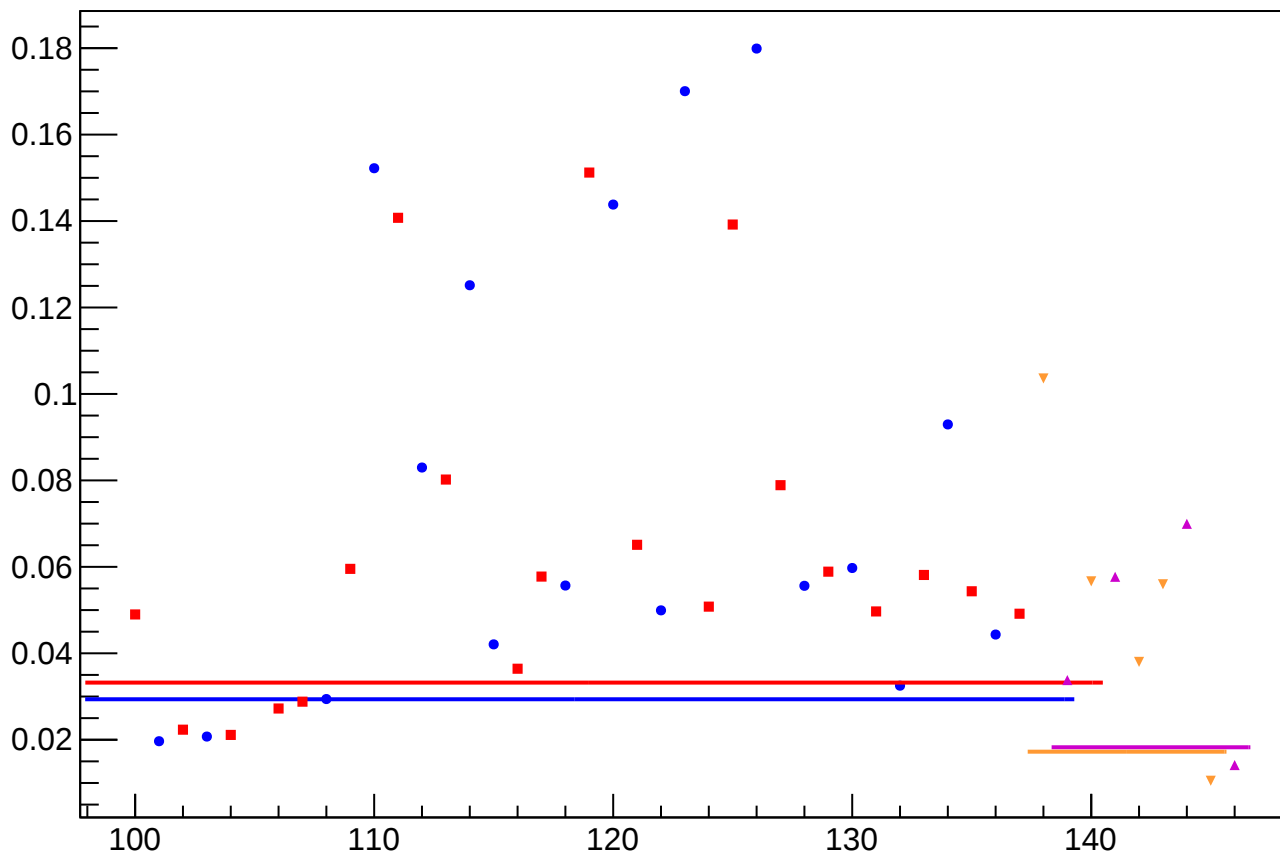
Left In: 5.474 $\pm$ 0.000 χ^2/NDF : 12181404039.9/3

1.697 $\pm$ 0.000 χ^2/NDF : 19891220929.4/21

2.390 $\pm$ 0.000 χ^2/NDF : 91770032512.8/4

3.058 $\pm$ 0.000 χ^2/NDF : 65149039055.8/23

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.017 $\pm$ 0.000 χ^2/NDF : 2048071.8/4

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3112299.1/19

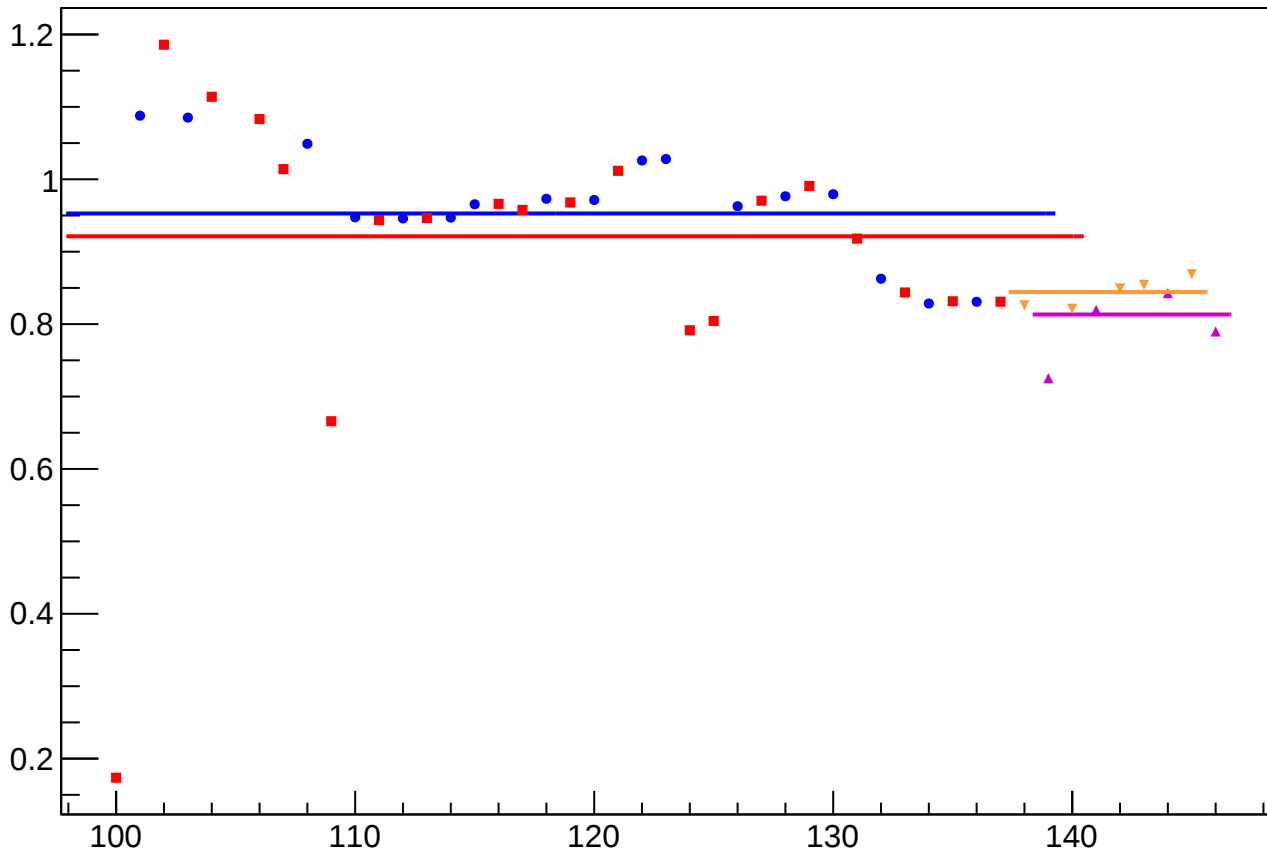
Left In: 0.018 $\pm$ 0.000 χ^2/NDF : 1245093.5/3

0.024 $\pm$ 0.000 χ^2/NDF : 5554915.6/21

0.025 $\pm$ 0.000 χ^2/NDF : 10752950.3/45

0.025 $\pm$ 0.000 χ^2/NDF : 5183268.7/23

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.844+/-0.000 χ^2/NDF : 6224165.0/4

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

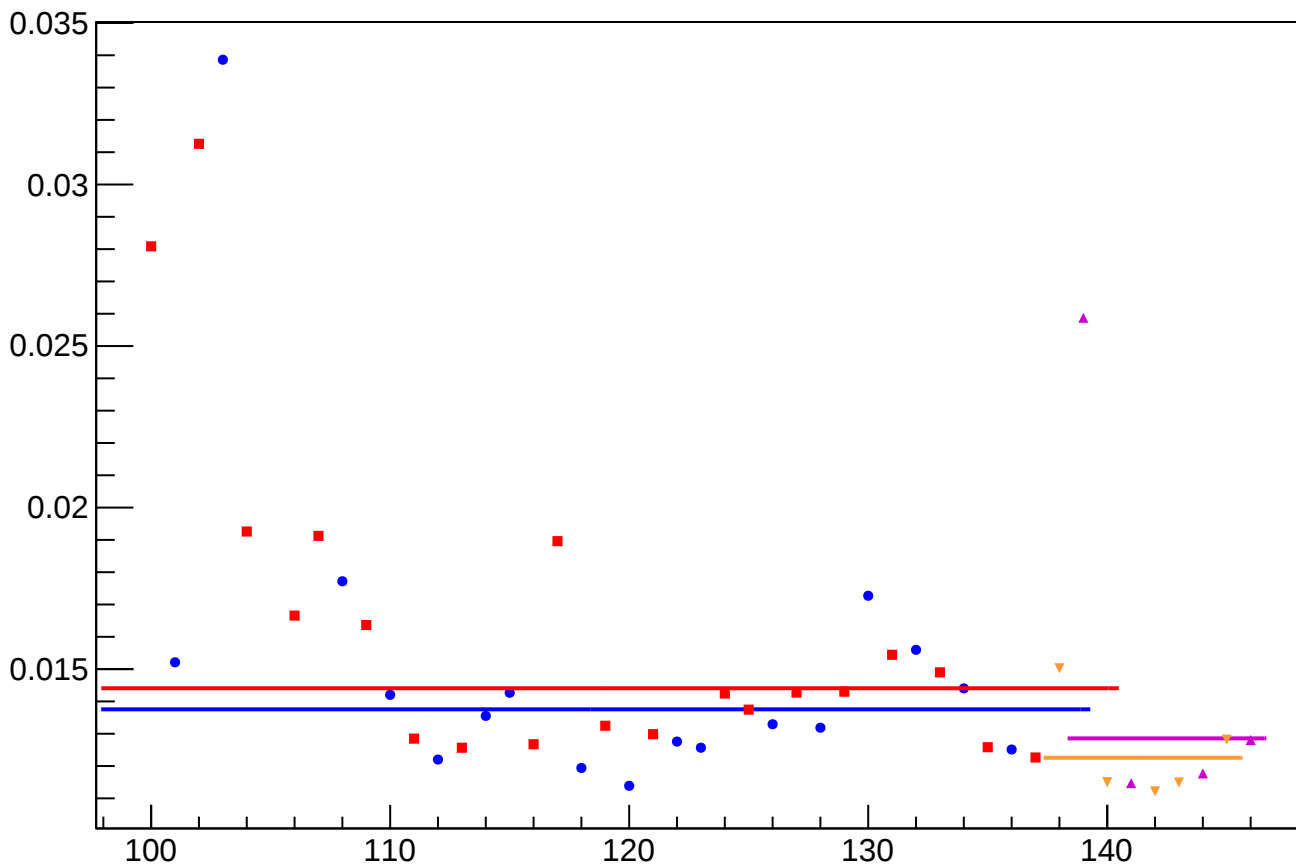
Left In: 0.813+/-0.000 χ^2/NDF : 15535377.0/3

0.912+/-0.000 χ^2/NDF : 315259189.8/21

0.898+/-0.000 χ^2/NDF : 848467579.0/45

0.883+/-0.000 χ^2/NDF : 512448240.8/23

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 58472.3/4

Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

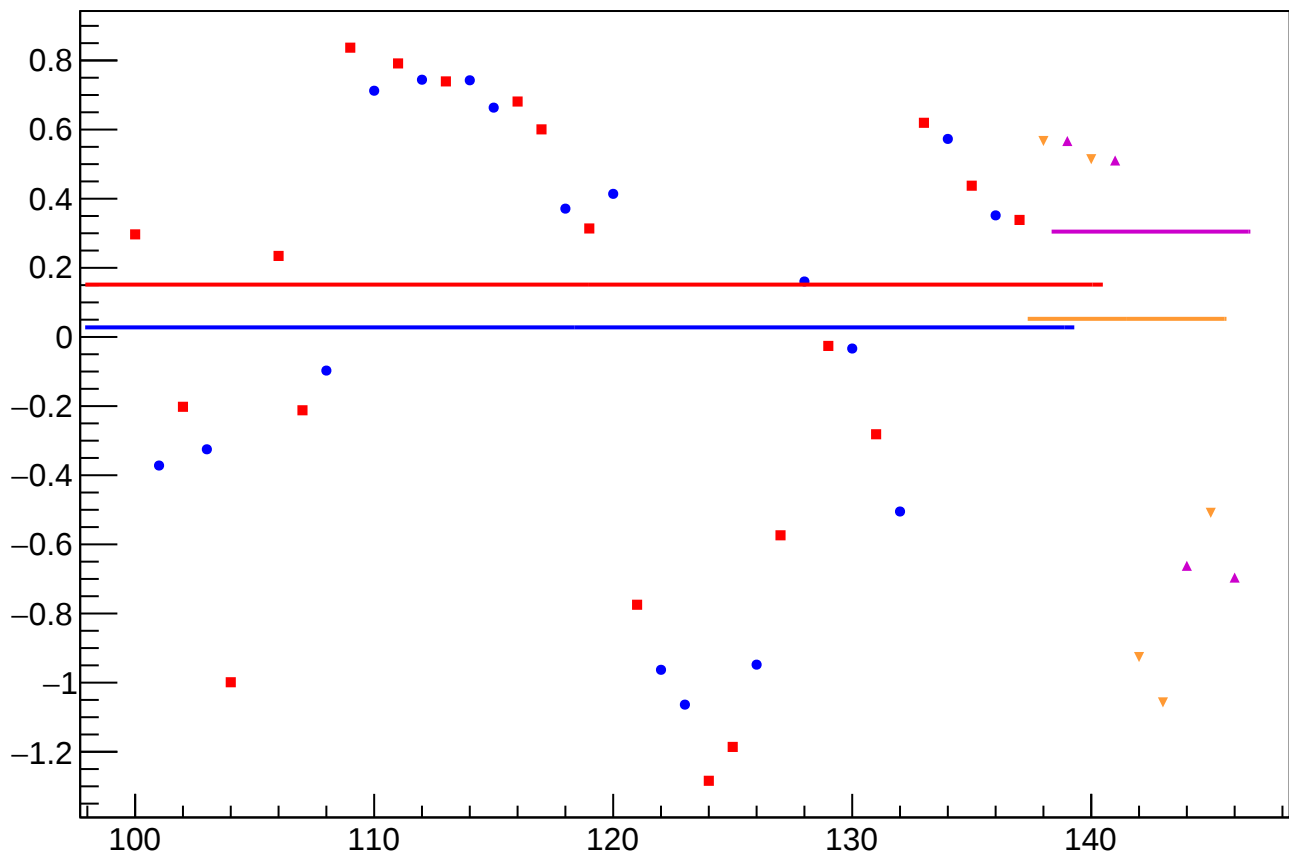
Left In: 0.013+/-0.000 χ^2/NDF : 387740.1/3

0.013+/-0.000 χ^2/NDF : 647914.9/21

0.014+/-0.000 χ^2/NDF : 1615213.9/45

0.014+/-0.000 χ^2/NDF : 947005.8/23

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.052 $\pm$ 0.000 χ^2/NDF :14571507689.4/4

Right Out: 0.152 $\pm$ 0.000 χ^2/NDF : 12665480117.0/19

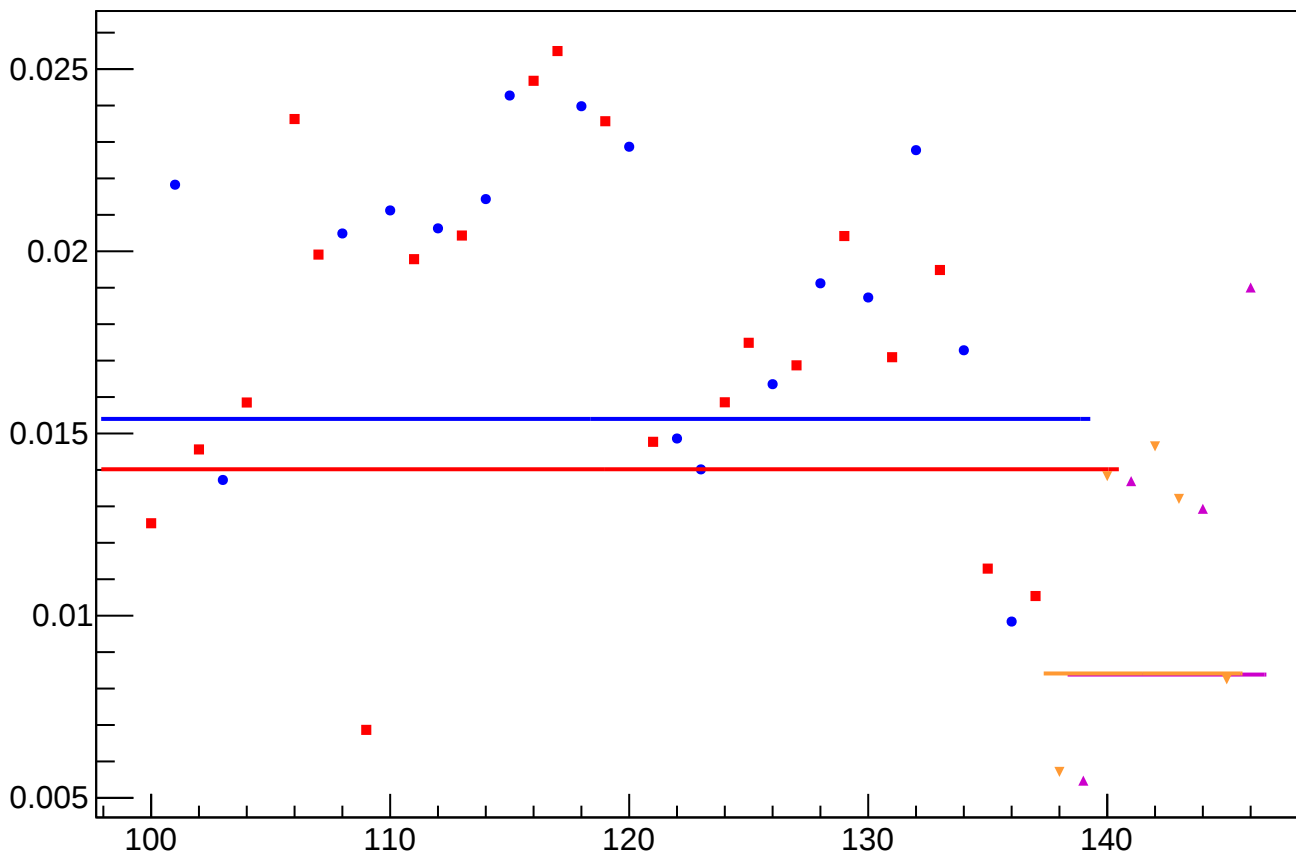
Left In: 0.305 $\pm$ 0.000 χ^2/NDF :8340096308.2/3

0.043 $\pm$ 0.000 χ^2/NDF : 20857193725.3/21

0.140 $\pm$ 0.000 χ^2/NDF : 43347701351.2/4

0.234 $\pm$ 0.000 χ^2/NDF : 21369053119.4/23

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 795261.2/4

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1576882.7/19

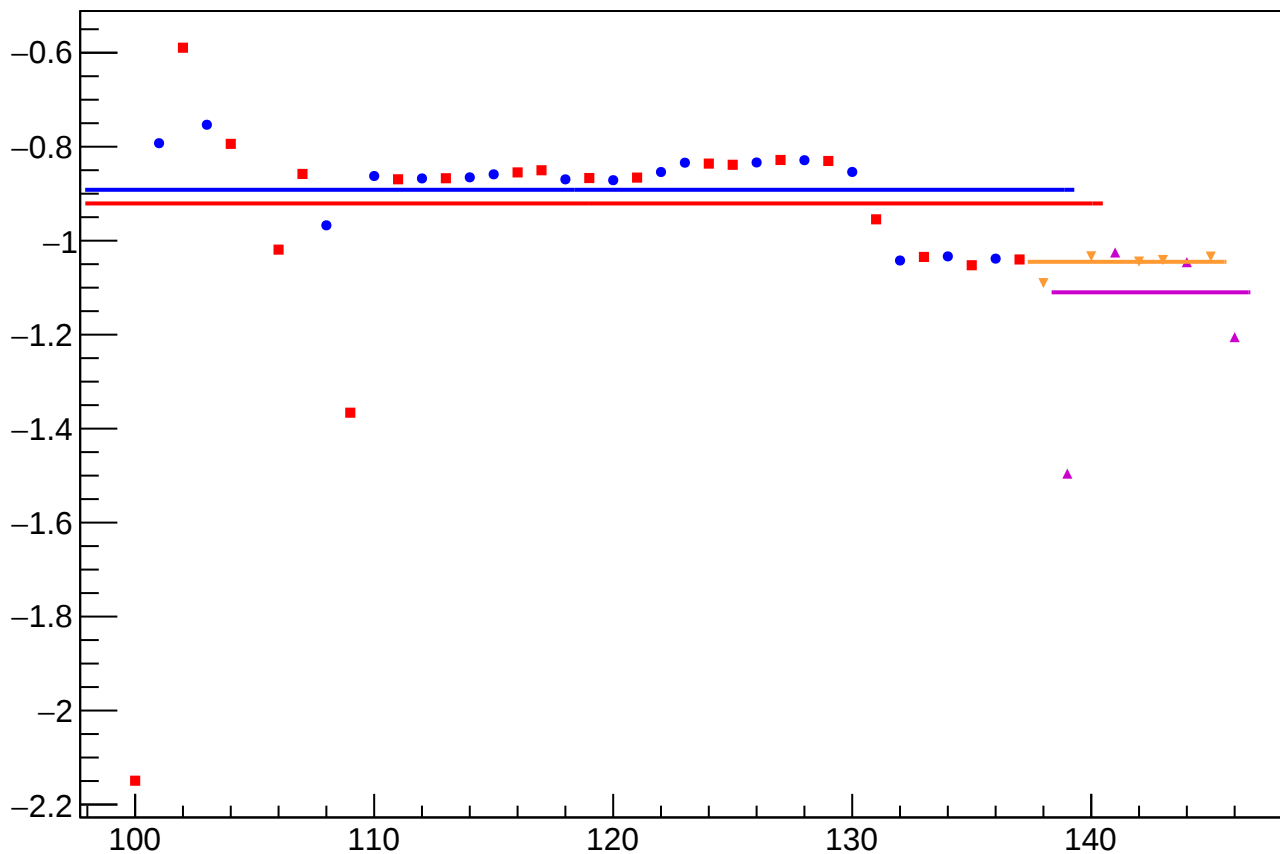
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 1270125.3/3

0.011 $\pm$ 0.000 χ^2/NDF : 3333715.9/21

0.011 $\pm$ 0.000 χ^2/NDF : 7164863.6/45

0.011 $\pm$ 0.000 χ^2/NDF : 3828855.4/23

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.045+/-0.000 χ^2/NDF : 1012246.5/4

Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

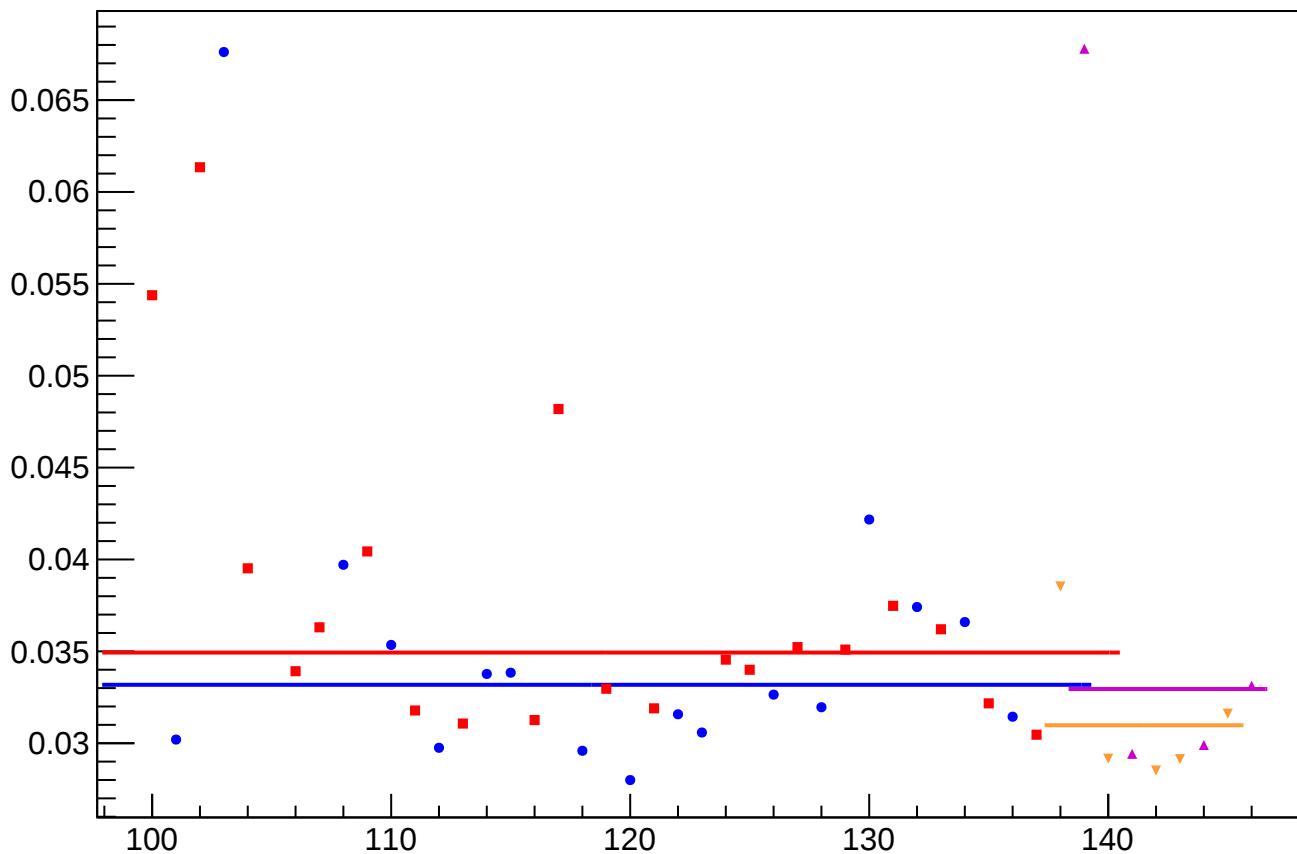
Left In: -1.110+/-0.000 χ^2/NDF : 38020199.4/3

-0.945+/-0.000 χ^2/NDF : 83730348.6/21

-0.963+/-0.000 χ^2/NDF : 318192358.9/45

-0.983+/-0.000 χ^2/NDF : 228797099.3/23

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 60200.0/4

Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

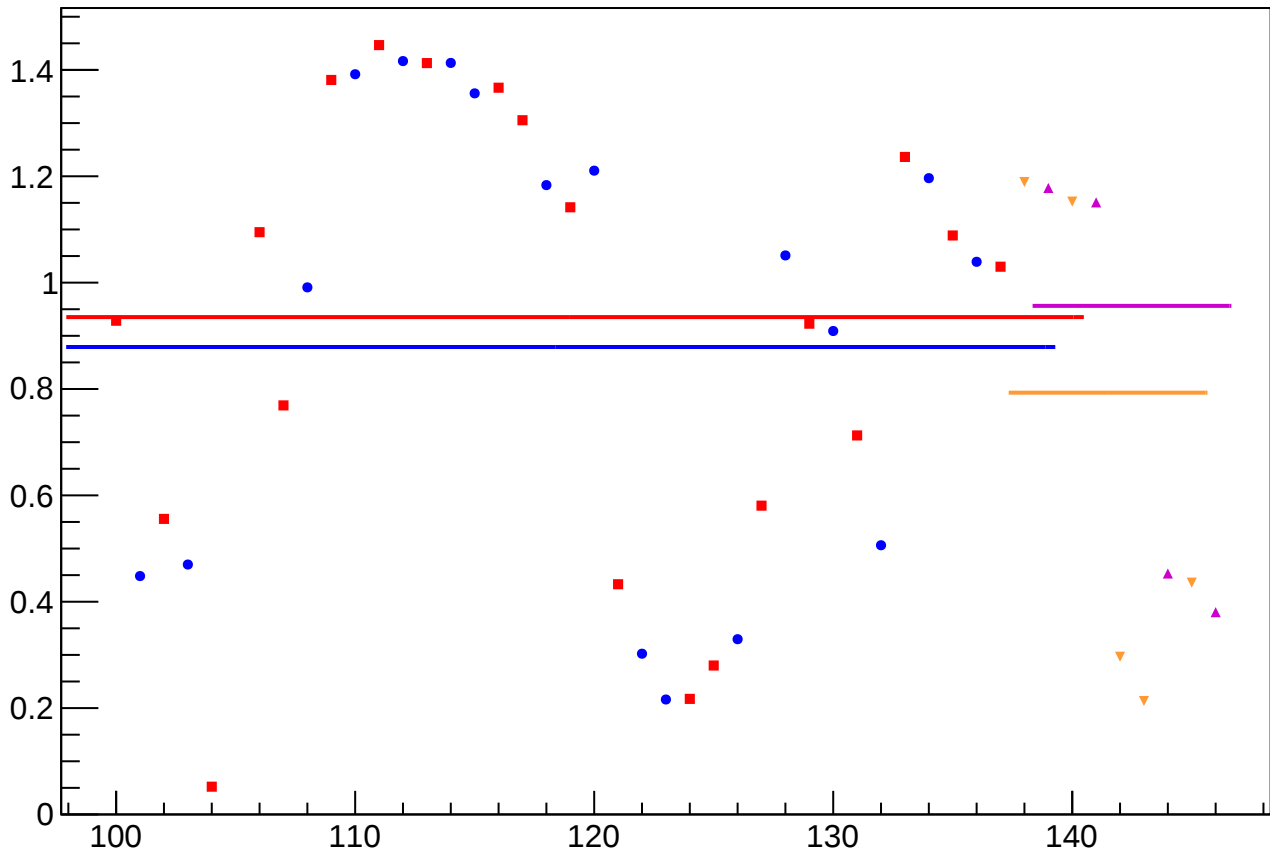
Left In: 0.033+/-0.000 χ^2/NDF : 405281.8/3

0.032+/-0.000 χ^2/NDF : 478046.0/21

0.033+/-0.000 χ^2/NDF : 1204839.2/45

0.034+/-0.000 χ^2/NDF : 699637.6/23

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 $\pm$ 0.000 χ^2 /NDF: 6371602566.2/16

Left Out: 0.793 $\pm$ 0.000 χ^2 /NDF:10493691852.6/4

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9844960466.1/19

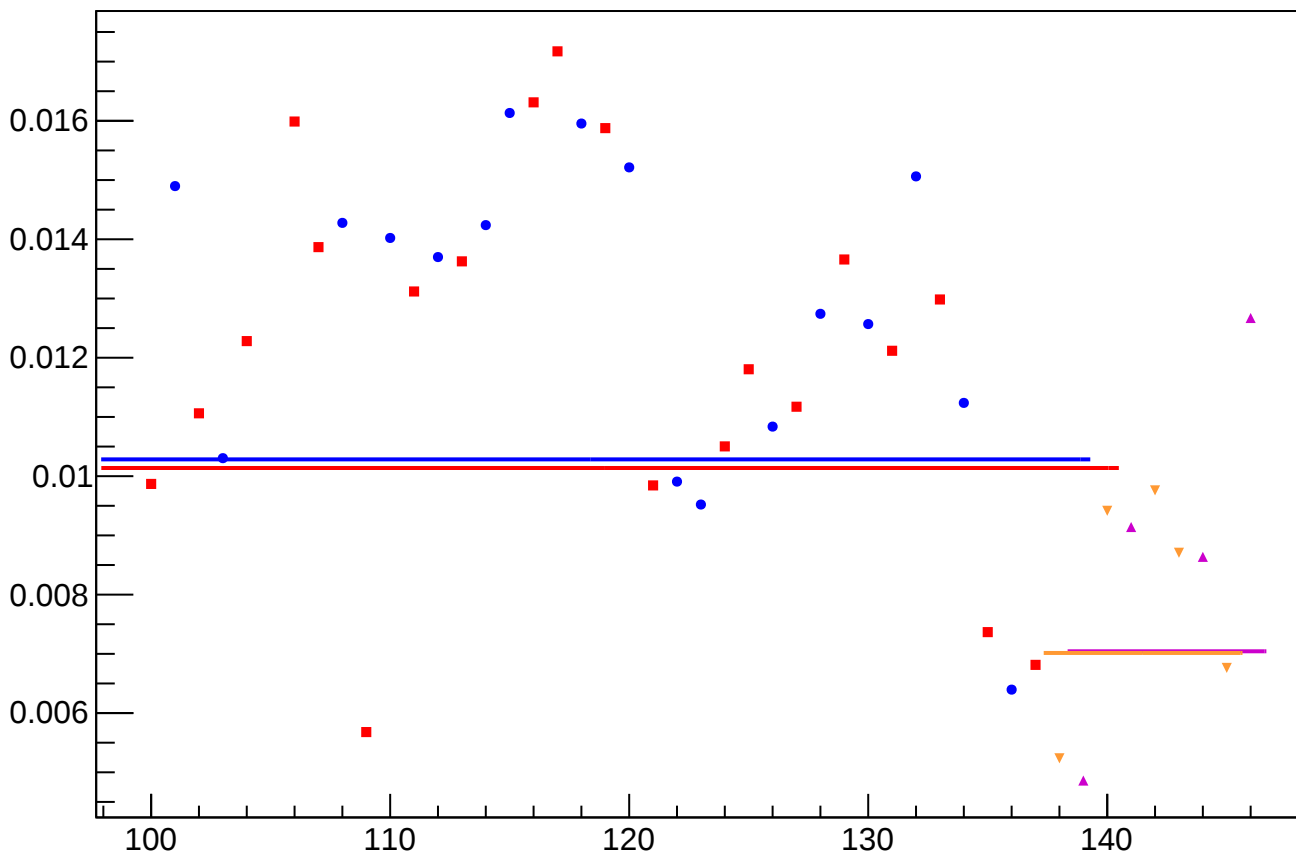
Left In: 0.956 $\pm$ 0.000 χ^2 /NDF:6074608263.6/3

0.833 $\pm$ 0.000 χ^2 /NDF: 17071049162.5/21

0.889 $\pm$ 0.000 χ^2 /NDF: 33703172830.9/4

0.945 $\pm$ 0.000 χ^2 /NDF: 15931902000.6/23

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.007+/-0.000 χ^2/NDF : 358173.7/4

Right Out: 0.010+/-0.000 χ^2/NDF : 1189529.0/19

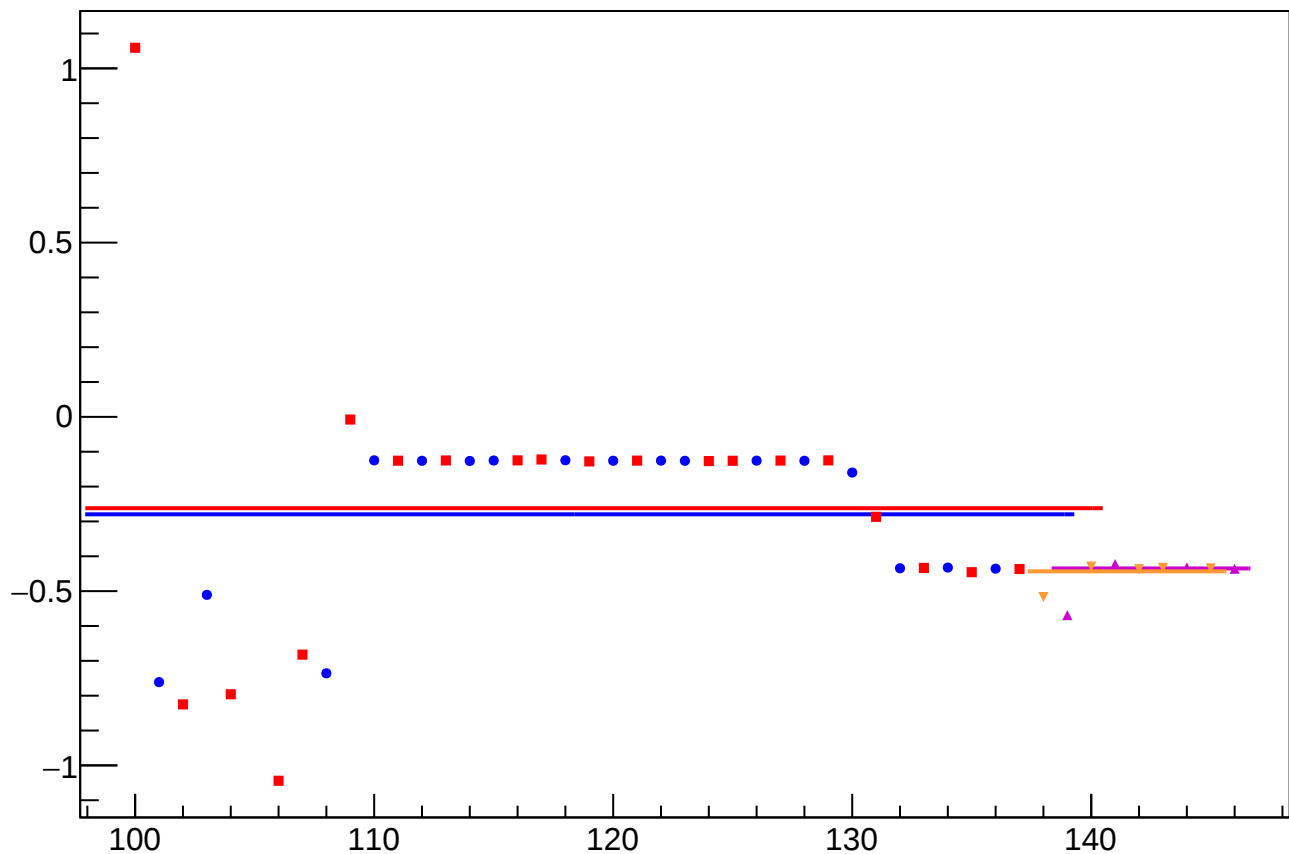
Left In: 0.007+/-0.000 χ^2/NDF : 698216.0/3

0.009+/-0.000 χ^2/NDF : 2162173.7/21

0.009+/-0.000 χ^2/NDF : 4580752.1/45

0.009+/-0.000 χ^2/NDF : 2417657.1/23

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280+/-0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.443+/-0.000 χ^2/NDF : 22552174.5/4

Right Out: -0.262+/-0.000 χ^2/NDF : 1007161741.8/19

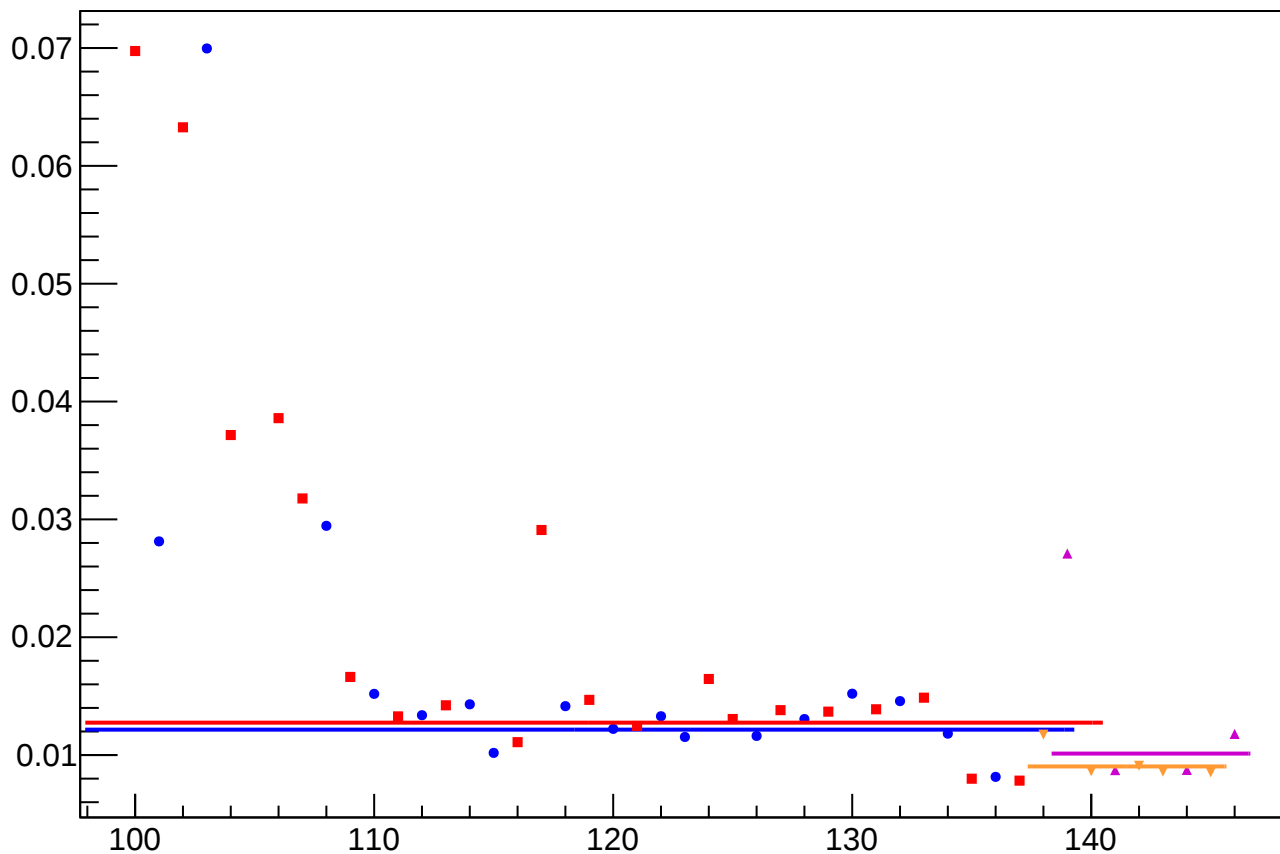
Left In: -0.435+/-0.000 χ^2/NDF : 18721926.0/3

-0.359+/-0.000 χ^2/NDF : 1362819047.5/21

-0.349+/-0.000 χ^2/NDF : 2789599578.6/45

-0.337+/-0.000 χ^2/NDF : 1412450175.9/23

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.009+/-0.000 χ^2/NDF : 61803.8/4

Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

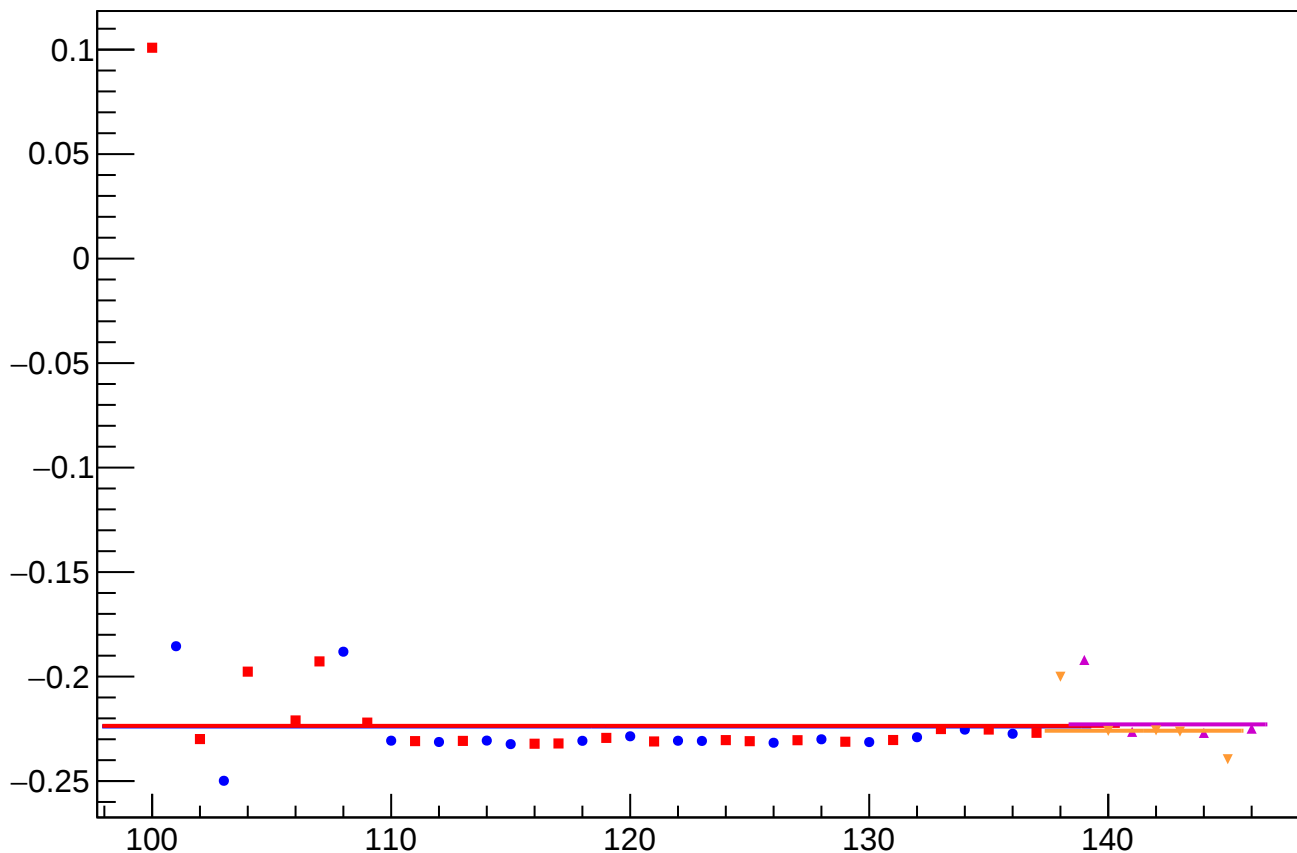
Left In: 0.010+/-0.000 χ^2/NDF : 649423.7/3

0.011+/-0.000 χ^2/NDF : 2084084.3/21

0.011+/-0.000 χ^2/NDF : 4958079.5/45

0.012+/-0.000 χ^2/NDF : 2819645.7/23

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20468066.2/4

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

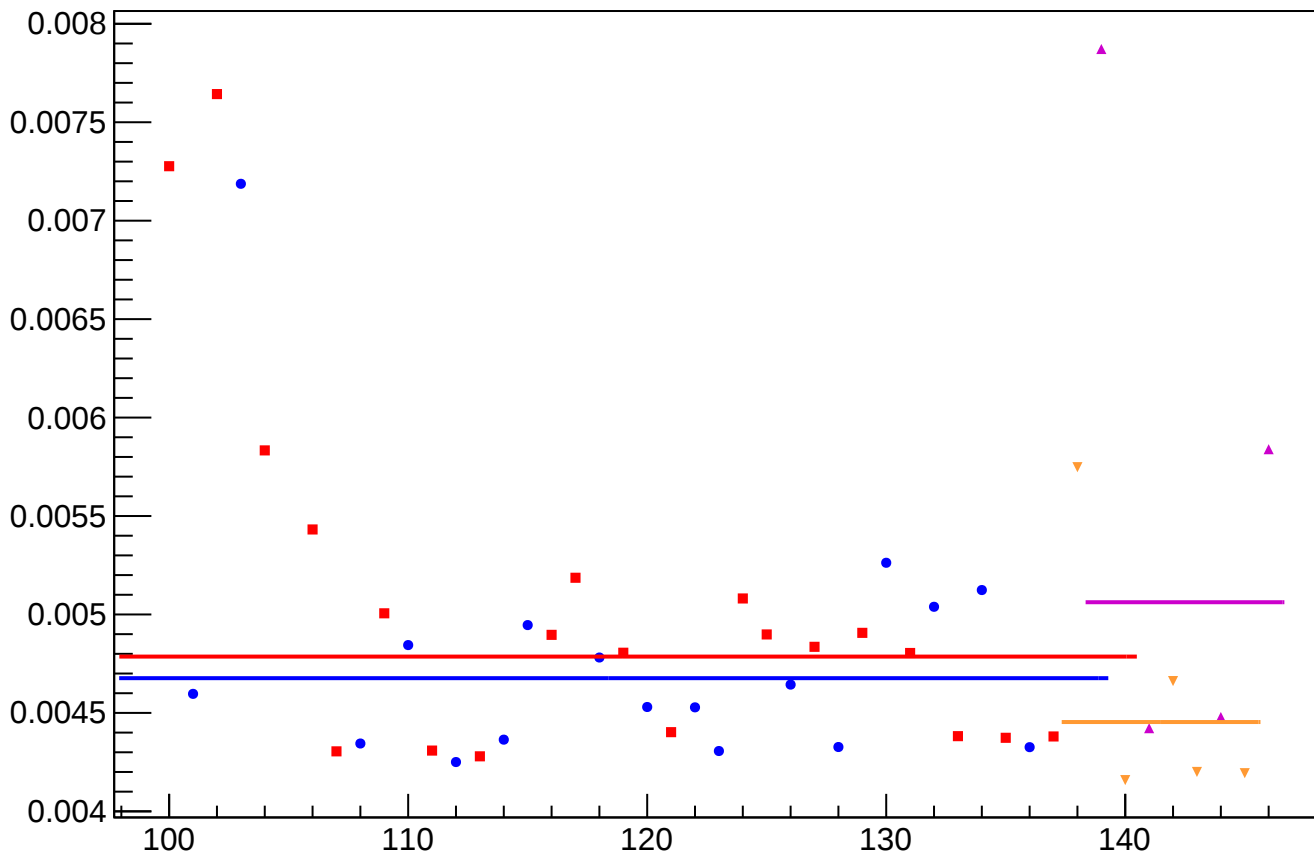
Left In: -0.223+/-0.000 χ^2/NDF : 11778285.8/3

-0.225+/-0.000 χ^2/NDF : 95466657.9/21

-0.224+/-0.000 χ^2/NDF : 275811050.9/45

-0.223+/-0.000 χ^2/NDF : 180047054.4/23

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.004+/-0.000 χ^2/NDF : 85763.9/4

Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

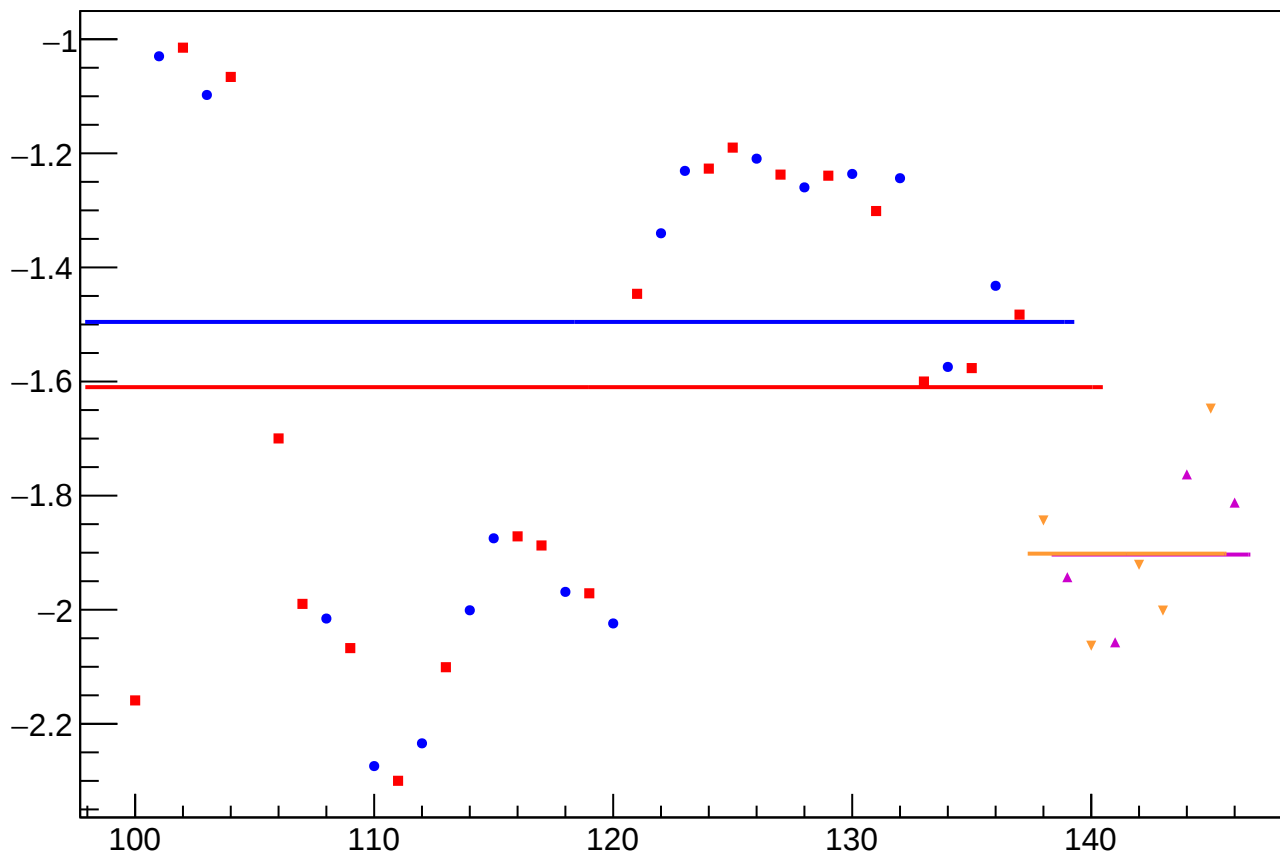
Left In: 0.005+/-0.000 χ^2/NDF : 259193.4/3

0.005+/-0.000 χ^2/NDF : 276124.1/21

0.005+/-0.000 χ^2/NDF : 824910.6/45

0.005+/-0.000 χ^2/NDF : 520014.0/23

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.902+/-0.000 χ^2/NDF : 2344674586.6/4

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

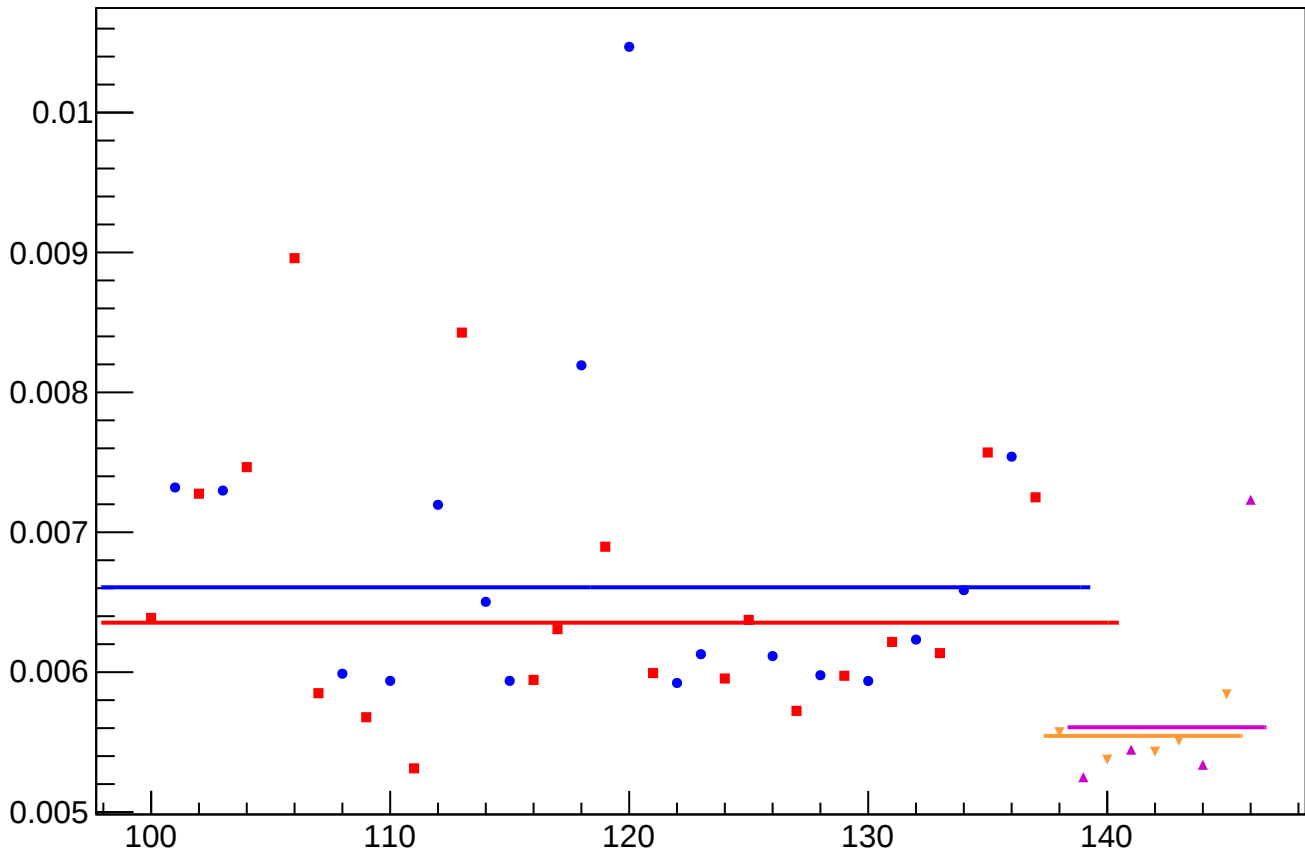
Left In: -1.903+/-0.000 χ^2/NDF : 1379998188.4/3

-1.671+/-0.000 χ^2/NDF : 34746994591.0/21

-1.695+/-0.000 χ^2/NDF : 69544356863.0/21

-1.718+/-0.000 χ^2/NDF : 34520498677.2/23

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF : 5668.7/4

Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

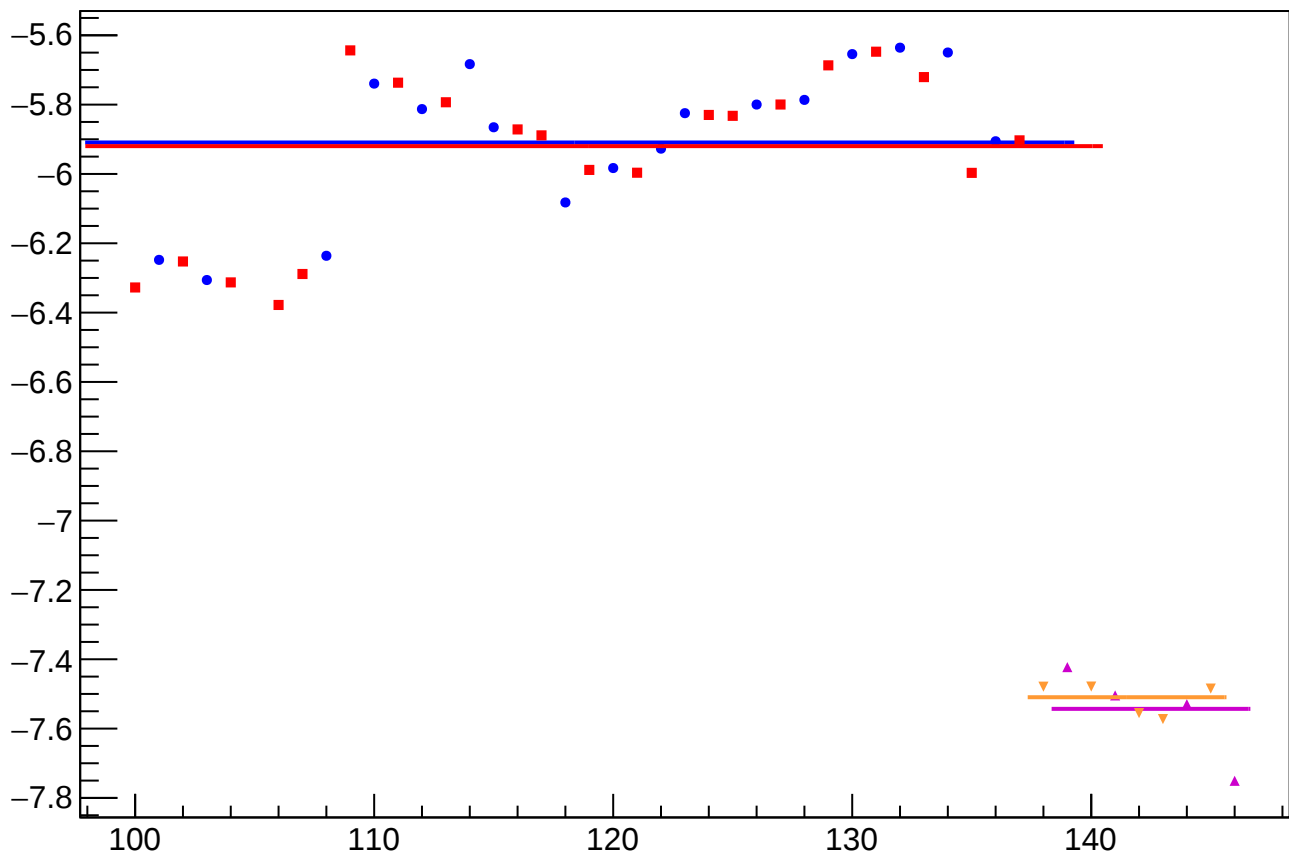
Left In: 0.006+/-0.000 χ^2/NDF : 81669.5/3

0.006+/-0.000 χ^2/NDF : 342390.2/21

0.006+/-0.000 χ^2/NDF : 720166.6/45

0.006+/-0.000 χ^2/NDF : 376568.3/23

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.510+/-0.000 χ^2/NDF : 65353815.0/4

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

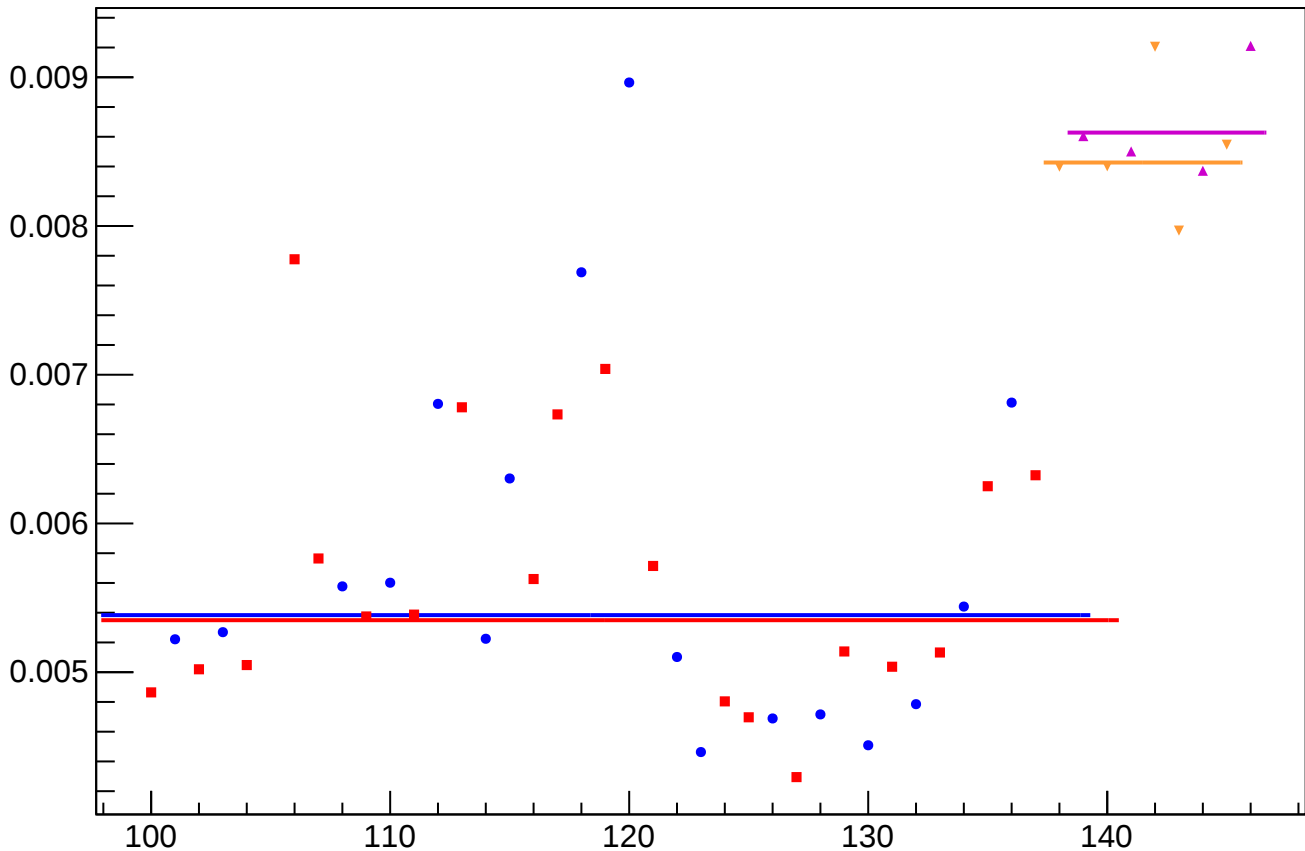
Left In: -7.543+/-0.000 χ^2/NDF : 448798857.1/3

-6.168+/-0.000 χ^2/NDF : 95035714728.5/21

-6.157+/-0.000 χ^2/NDF : 190848814310.0

-6.147+/-0.000 χ^2/NDF : 95755747688.9/23

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9237.5/4

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 247999.6/19

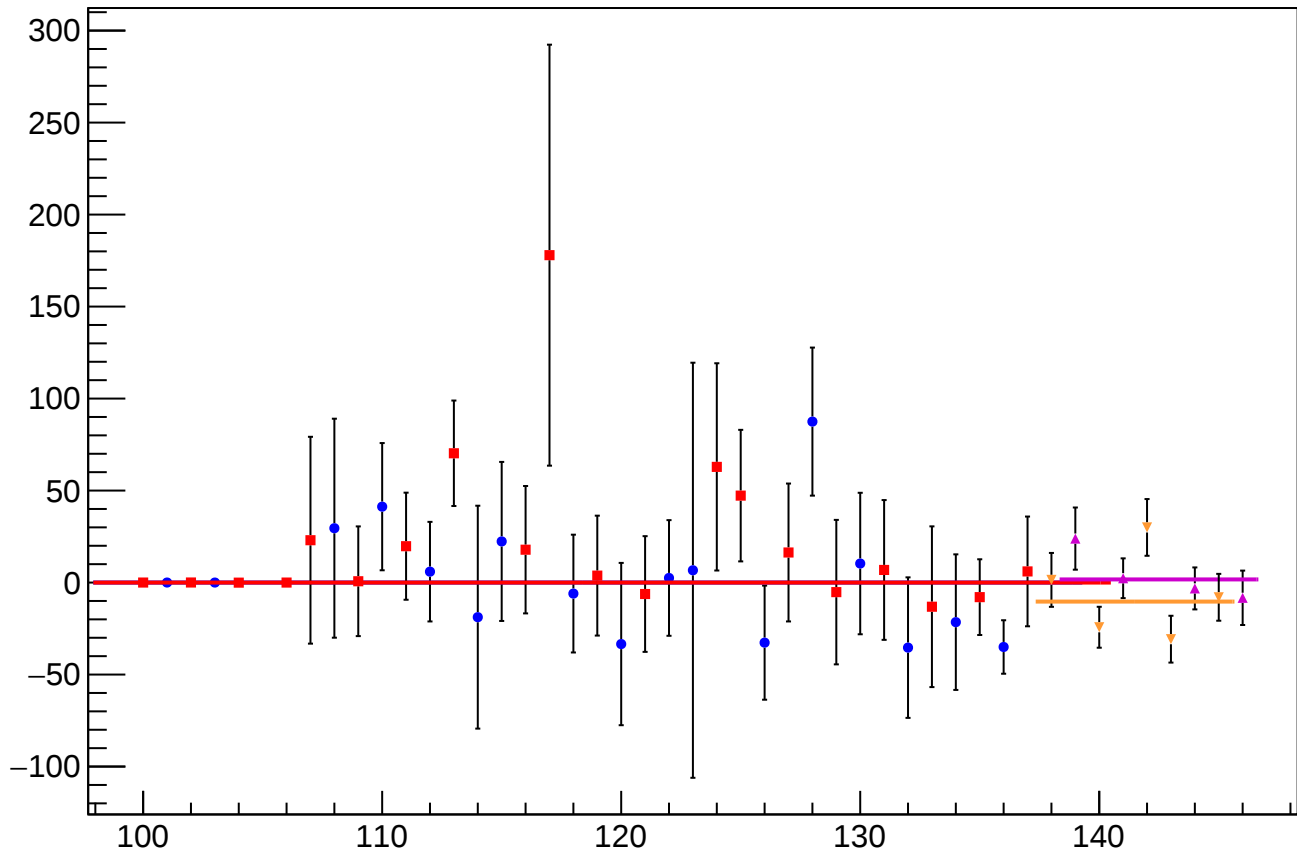
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 6719.2/3

0.006 $\pm$ 0.000 χ^2/NDF : 963236.6/21

0.006 $\pm$ 0.000 χ^2/NDF : 1892261.6/45

0.006 $\pm$ 0.000 χ^2/NDF : 927866.6/23

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -10.338 ± 5.842 χ^2/NDF : 11.7/4

Right Out: -0.003 ± 0.016 χ^2/NDF : 17.7/19

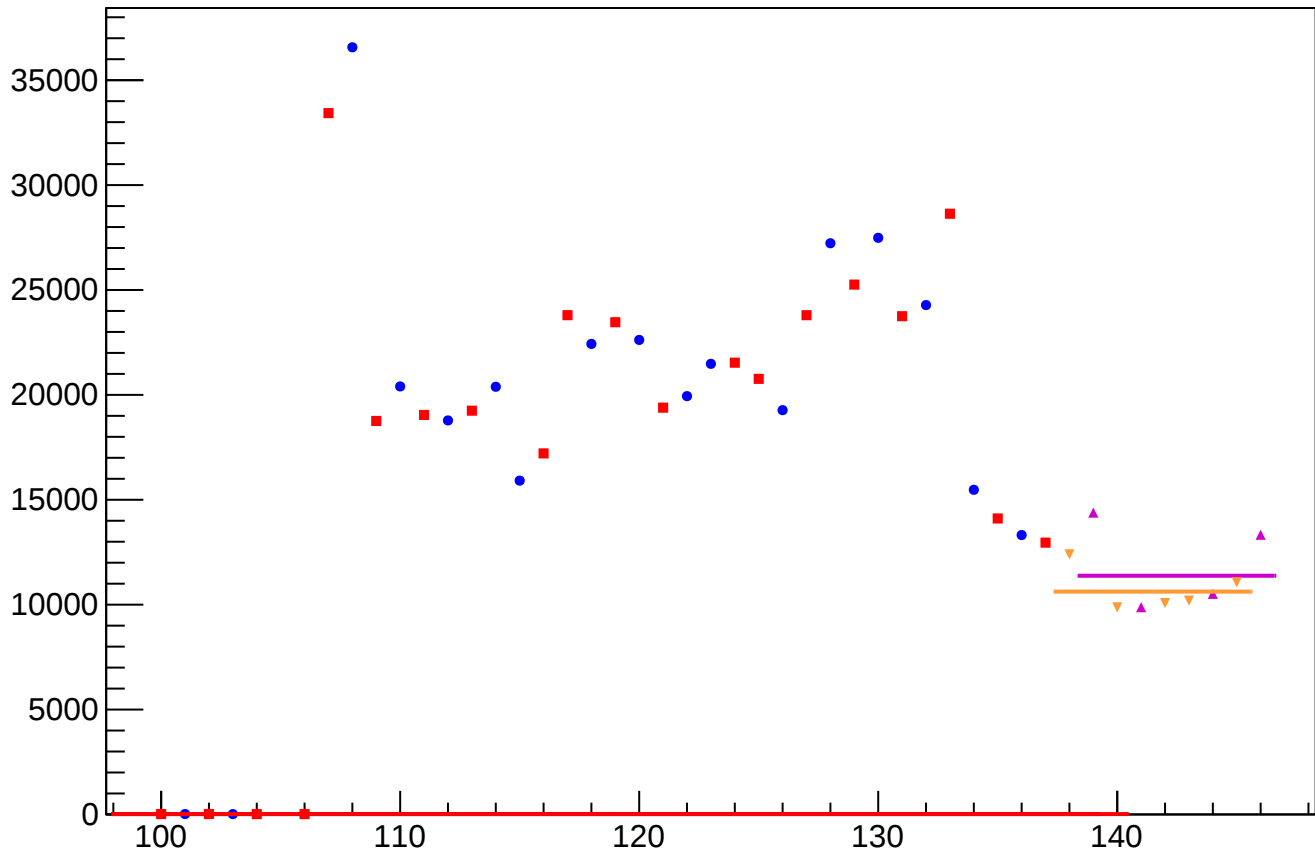
Left In: 1.706 ± 6.411 χ^2/NDF : 2.4/3

0.013 ± 0.017 χ^2/NDF : 30.6/21

0.004 ± 0.012 χ^2/NDF : 51.2/45

-0.003 ± 0.016 χ^2/NDF : 20.2/23

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641 $\pm$ 0.012 χ^2/NDF : 10841561.4/16

Left Out: 10621.566 $\pm$ 4.131 χ^2/NDF : 45728.2/4

Right Out: 18.312 $\pm$ 0.011 χ^2/NDF : 11189737.0/19

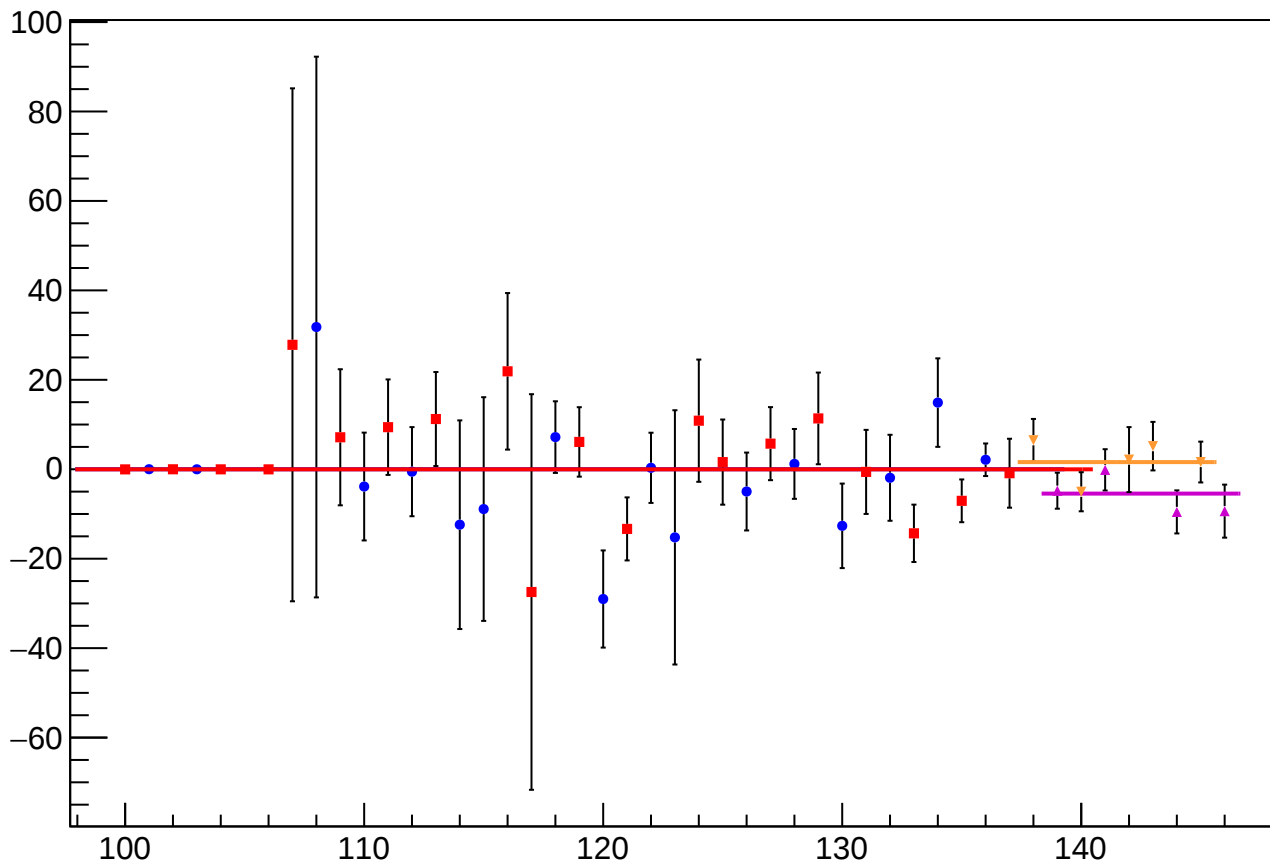
Left In: 11379.134 $\pm$ 4.533 χ^2/NDF : 148337.5/3

18.734 $\pm$ 0.012 χ^2/NDF : 17474253.0/21

18.545 $\pm$ 0.008 χ^2/NDF : 35093600.9/45

18.383 $\pm$ 0.011 χ^2/NDF : 17618907.1/23

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 1.603 $\pm$ 2.251 χ^2 /NDF: 3.8/4

Right Out: -0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/19

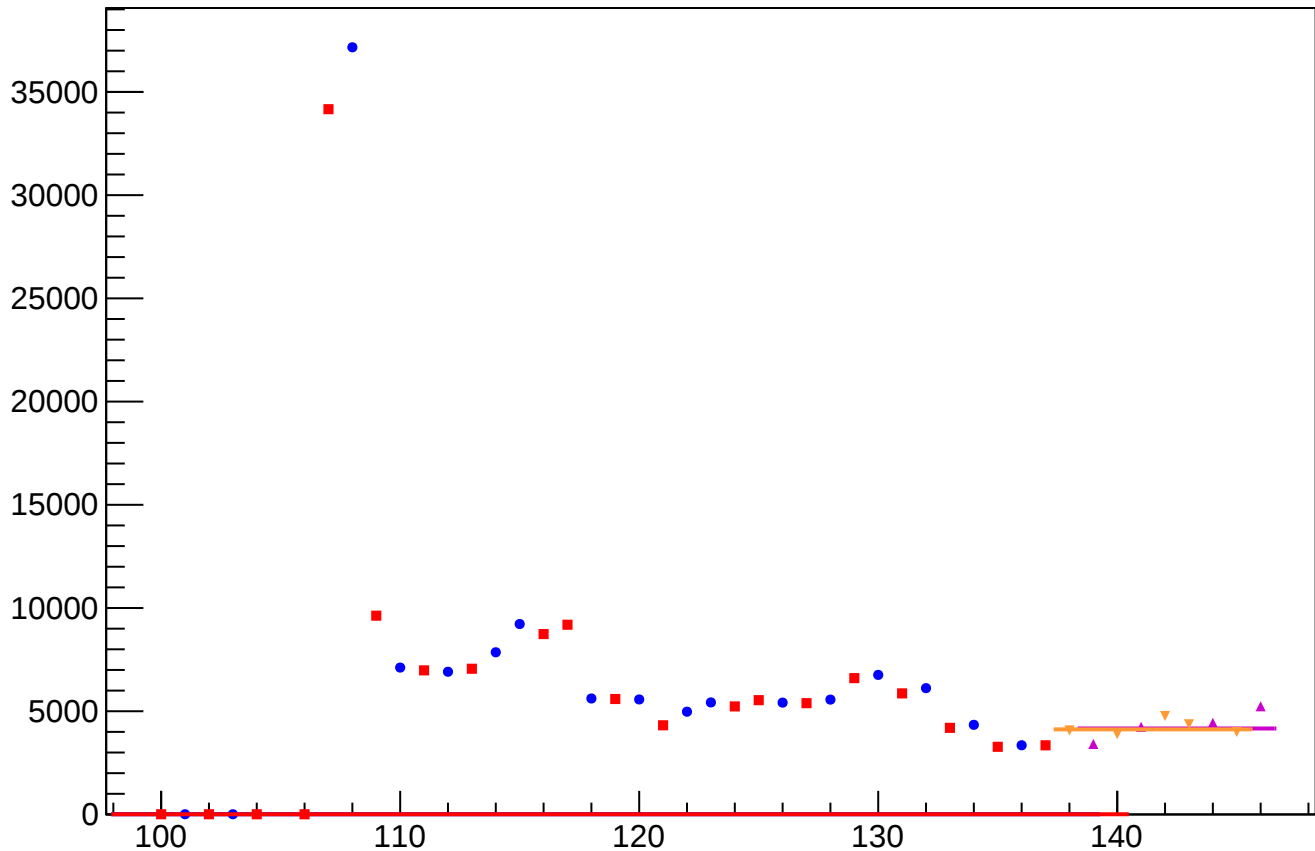
Left In: -5.442 $\pm$ 2.357 χ^2 /NDF: 2.5/3

0.001 $\pm$ 0.009 χ^2 /NDF: 19.2/21

-0.007 $\pm$ 0.006 χ^2 /NDF: 47.2/45

-0.014 $\pm$ 0.009 χ^2 /NDF: 26.6/23

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4121.882+/-1.592 χ^2/NDF : 27447.3/4

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

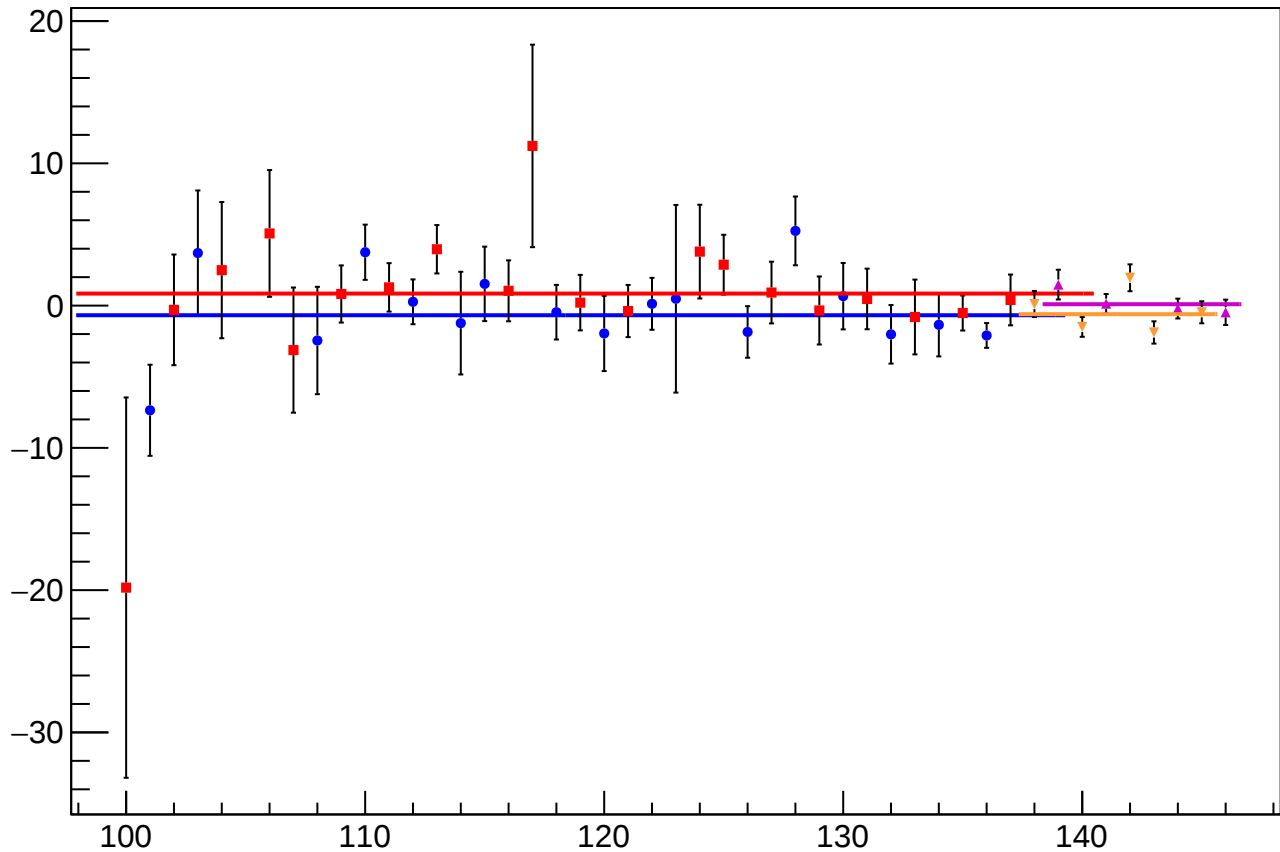
Left In: 4164.361+/-1.666 χ^2/NDF : 142170.5/3

10.007+/-0.007 χ^2/NDF : 17673218.5/21

9.956+/-0.004 χ^2/NDF : 35270556.1/45

9.911+/-0.006 χ^2/NDF : 17597221.7/23

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -0.603 ± 0.360 $\chi^2/\text{NDF}: 12.3/4$

Right Out: 0.846 ± 0.500 $\chi^2/\text{NDF}: 14.1/19$

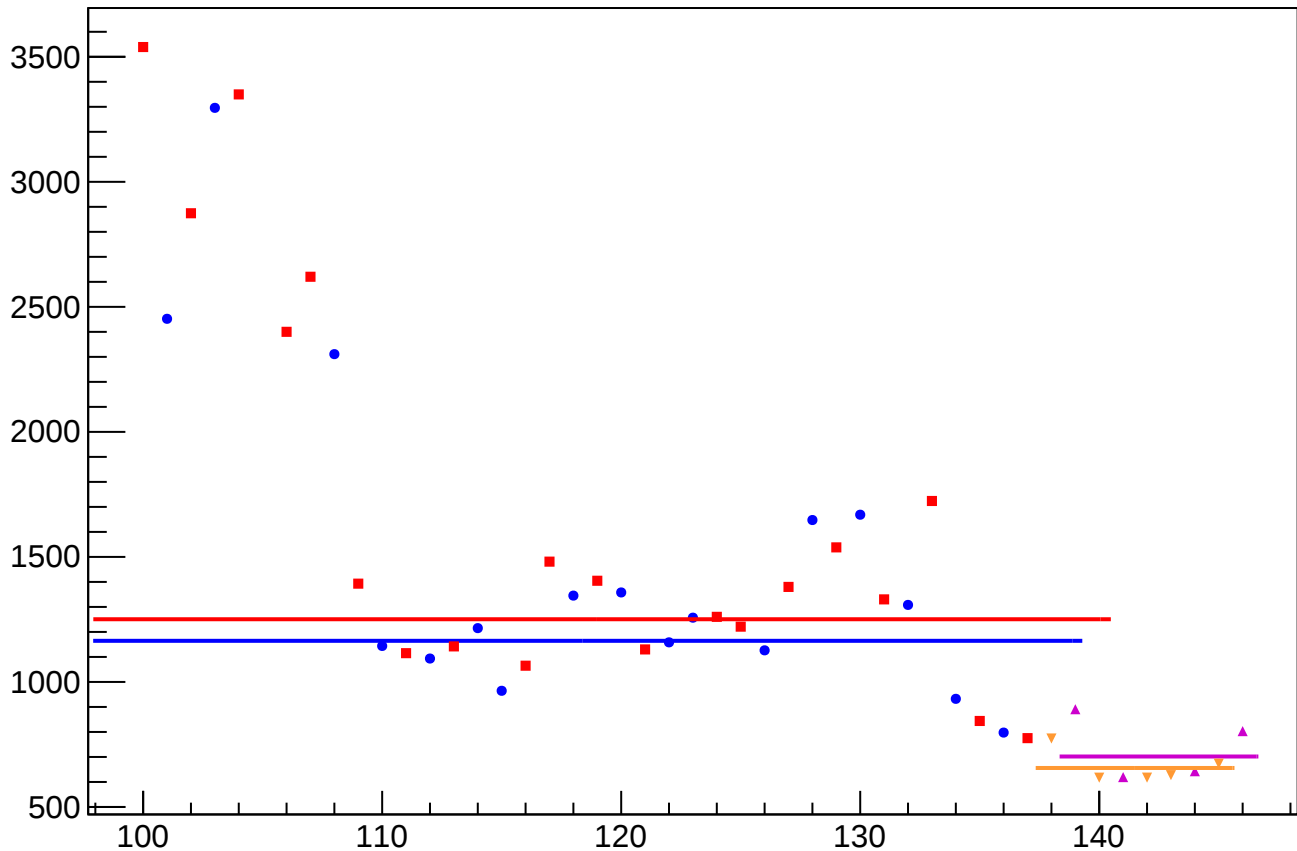
Left In: 0.098 ± 0.395 $\chi^2/\text{NDF}: 2.3/3$

-0.629 ± 0.289 $\chi^2/\text{NDF}: 34.6/21$

-0.157 ± 0.211 $\chi^2/\text{NDF}: 58.2/45$

0.385 ± 0.310 $\chi^2/\text{NDF}: 17.8/23$

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 655.944+/-0.255 χ^2/NDF : 46569.3/4

Right Out: 1250.738+/-0.354 χ^2/NDF : 1652238.9/19

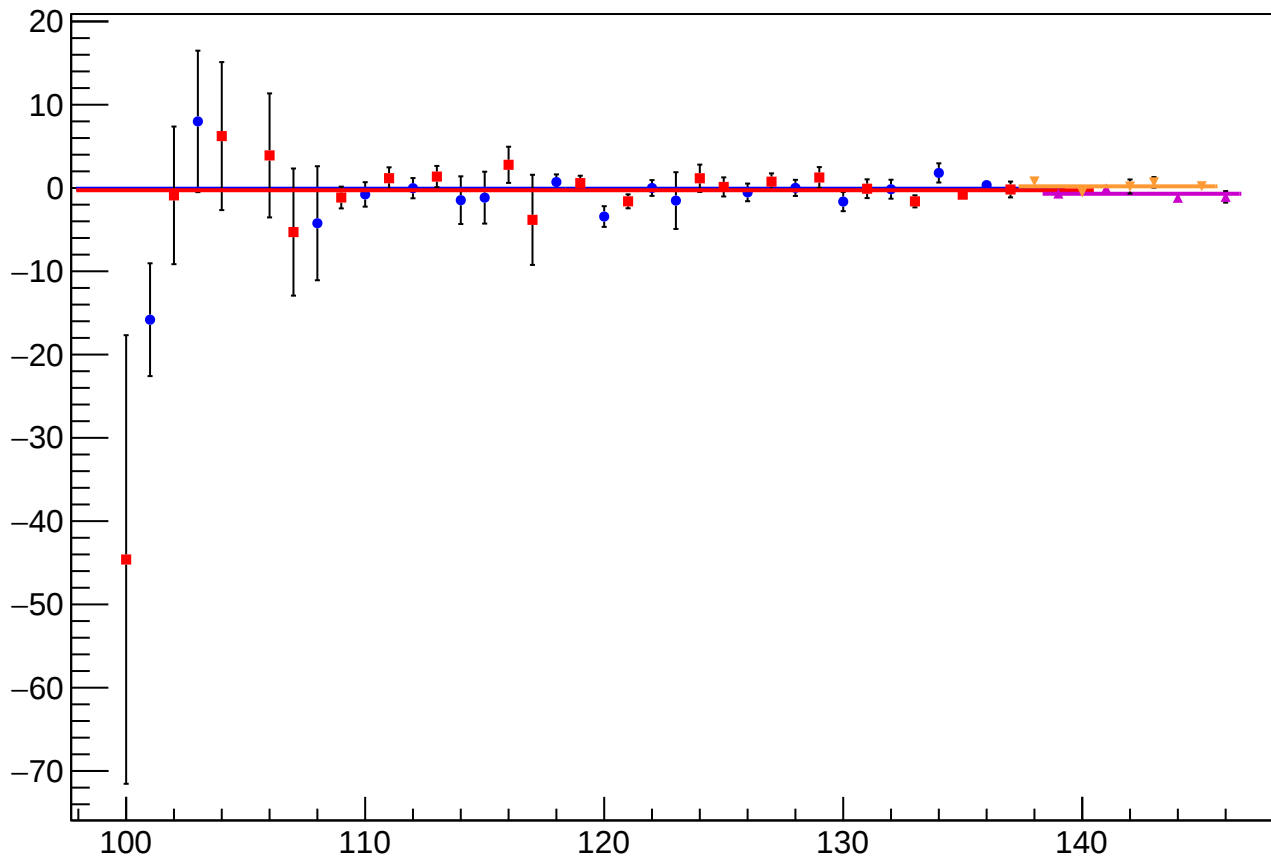
Left In: 701.842+/-0.279 χ^2/NDF : 135158.8/3

837.327+/-0.204 χ^2/NDF : 3050231.3/21

872.378+/-0.149 χ^2/NDF : 6385120.5/45

912.640+/-0.219 χ^2/NDF : 3271738.1/23

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 $\pm$ 0.270 χ^2/NDF : 21.1/16

Left Out: 0.200 $\pm$ 0.266 χ^2/NDF : 3.7/4

Right Out: -0.268 $\pm$ 0.264 χ^2/NDF : 20.9/19

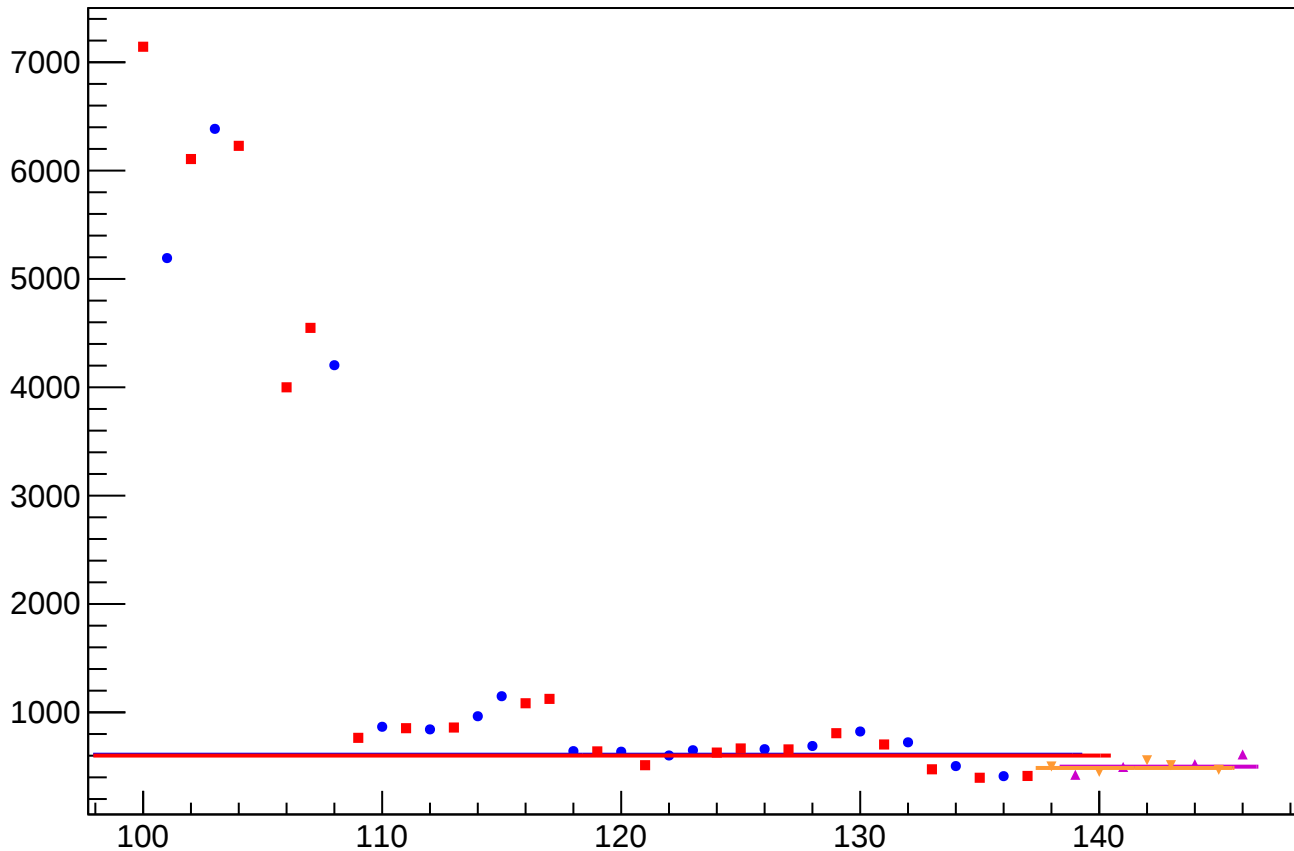
Left In: -0.691 $\pm$ 0.281 χ^2/NDF : 2.4/3

0.060 $\pm$ 0.189 χ^2/NDF : 25.4/21

-0.199 $\pm$ 0.135 χ^2/NDF : 53.6/45

-0.466 $\pm$ 0.192 χ^2/NDF : 24.5/23

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 486.688+/-0.188 χ^2/NDF : 30482.3/4

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

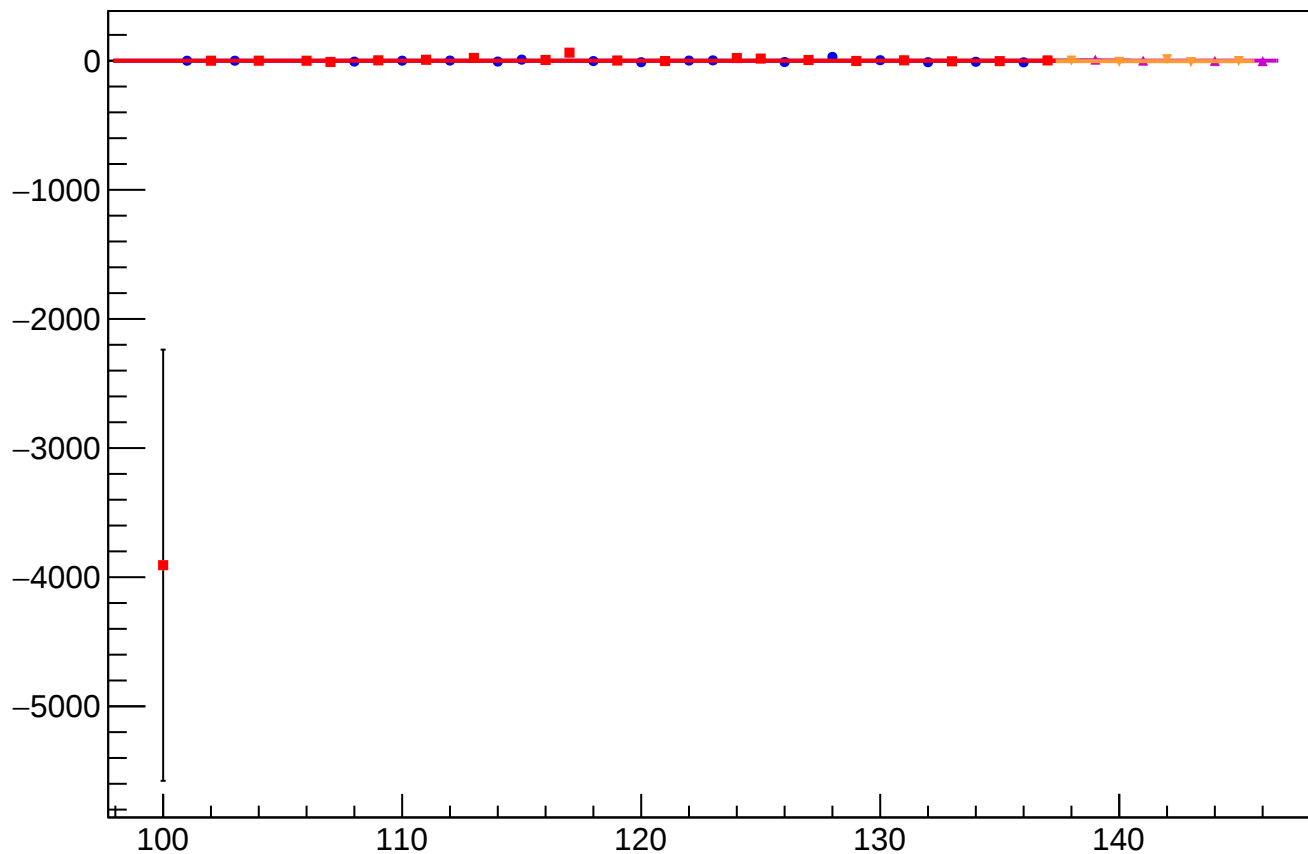
Left In: 498.701+/-0.199 χ^2/NDF : 101648.6/3

546.845+/-0.134 χ^2/NDF : 3378124.7/21

549.951+/-0.095 χ^2/NDF : 7188312.0/45

553.158+/-0.136 χ^2/NDF : 3809094.7/23

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 15.3/16

Left Out: -3.465 $\pm$ 2.081 χ^2 /NDF:12.4/4

Right Out: 0.027 $\pm$ 0.020 χ^2 /NDF: 19.8/19

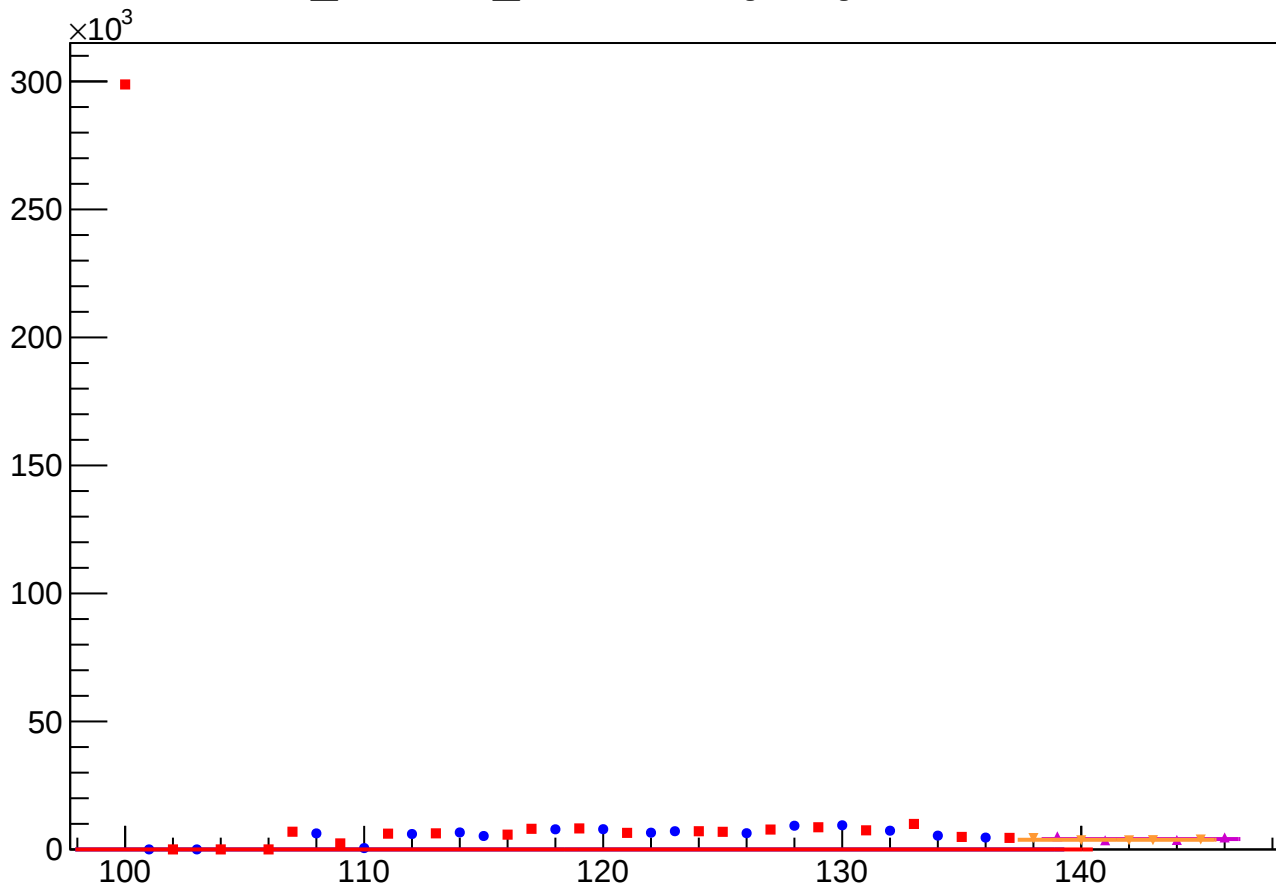
Left In: 0.524 $\pm$ 2.287 χ^2 /NDF:2.4/3

-0.022 $\pm$ 0.021 χ^2 /NDF: 30.4/21

0.004 $\pm$ 0.014 χ^2 /NDF: 55.5/45

0.027 $\pm$ 0.020 χ^2 /NDF: 22.3/23

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 3785.373 $\pm$ 1.471 χ^2 /NDF:44370.7/4

Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

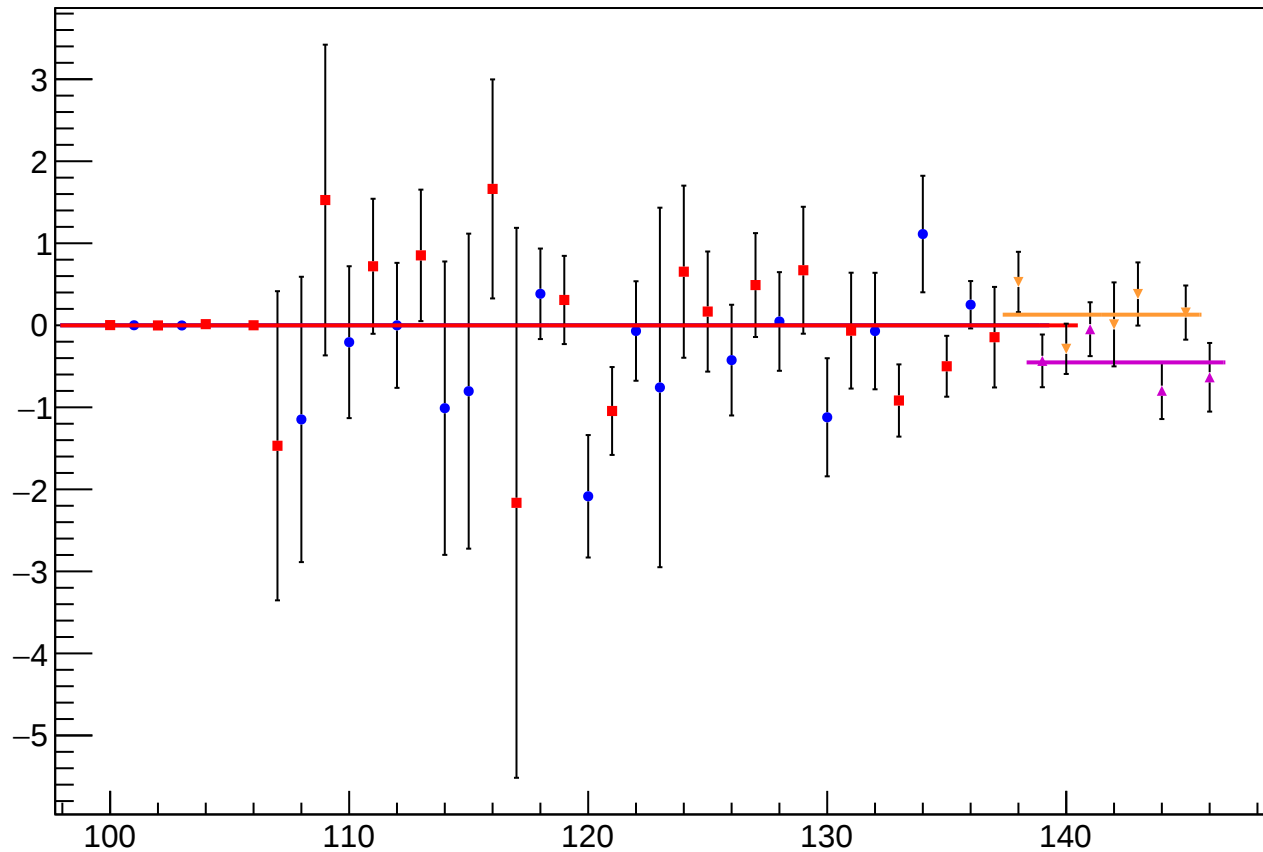
Left In: 4064.737 $\pm$ 1.617 χ^2 /NDF:136885.1/3

17.713 $\pm$ 0.015 χ^2 /NDF: 16961512.5/21

17.640 $\pm$ 0.010 χ^2 /NDF: 34261138.4/45

17.573 $\pm$ 0.014 χ^2 /NDF: 17299578.1/23

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.130 ± 0.163 χ^2/NDF : 3.5/4

Right Out: -0.001 ± 0.002 χ^2/NDF : 18.2/19

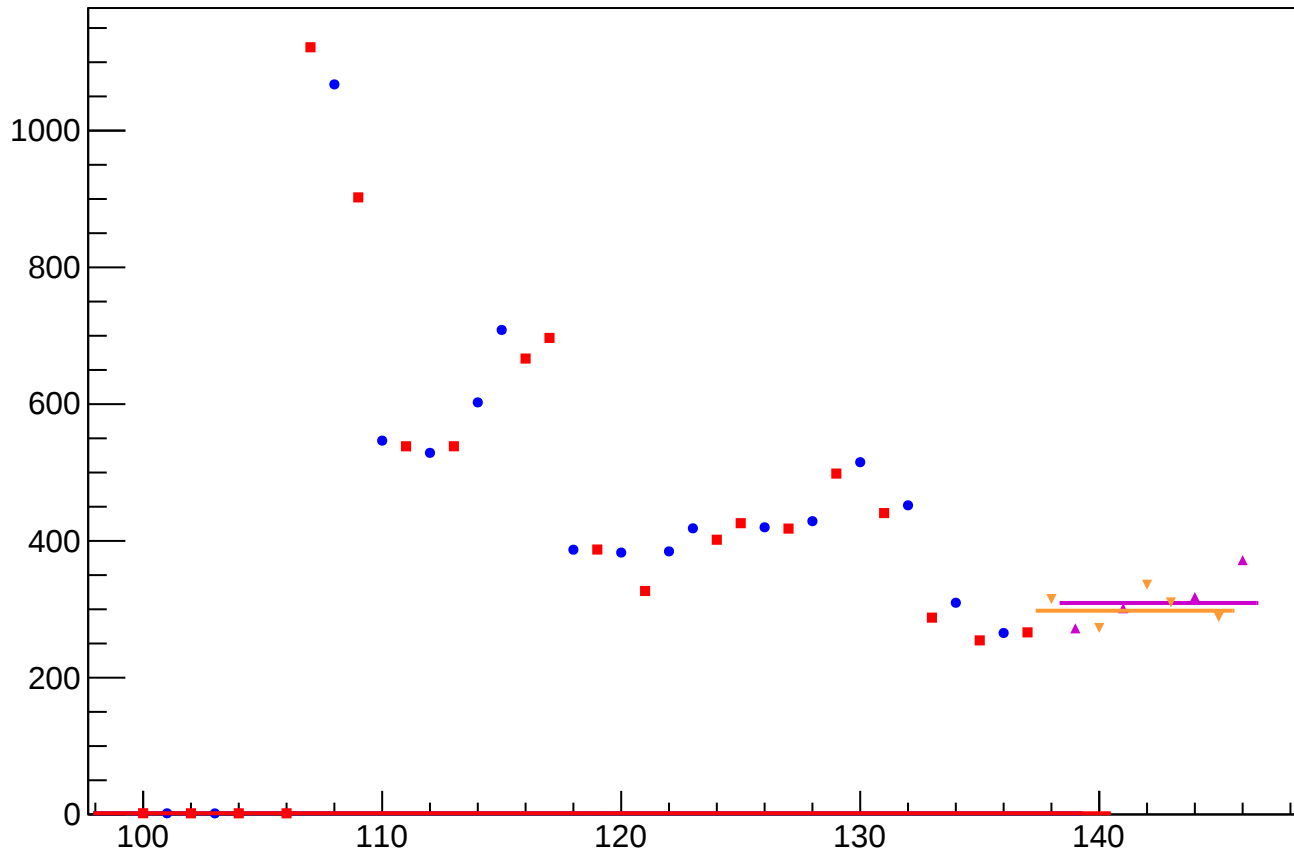
Left In: -0.452 ± 0.174 χ^2/NDF : 2.7/3

0.000 ± 0.002 χ^2/NDF : 19.8/21

-0.000 ± 0.001 χ^2/NDF : 47.6/45

-0.001 ± 0.002 χ^2/NDF : 27.7/23

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 297.929 $\pm$ 0.115 χ^2 /NDF: 32339.5/4

Right Out: 1.729 $\pm$ 0.001 χ^2 /NDF: 10822679.1/19

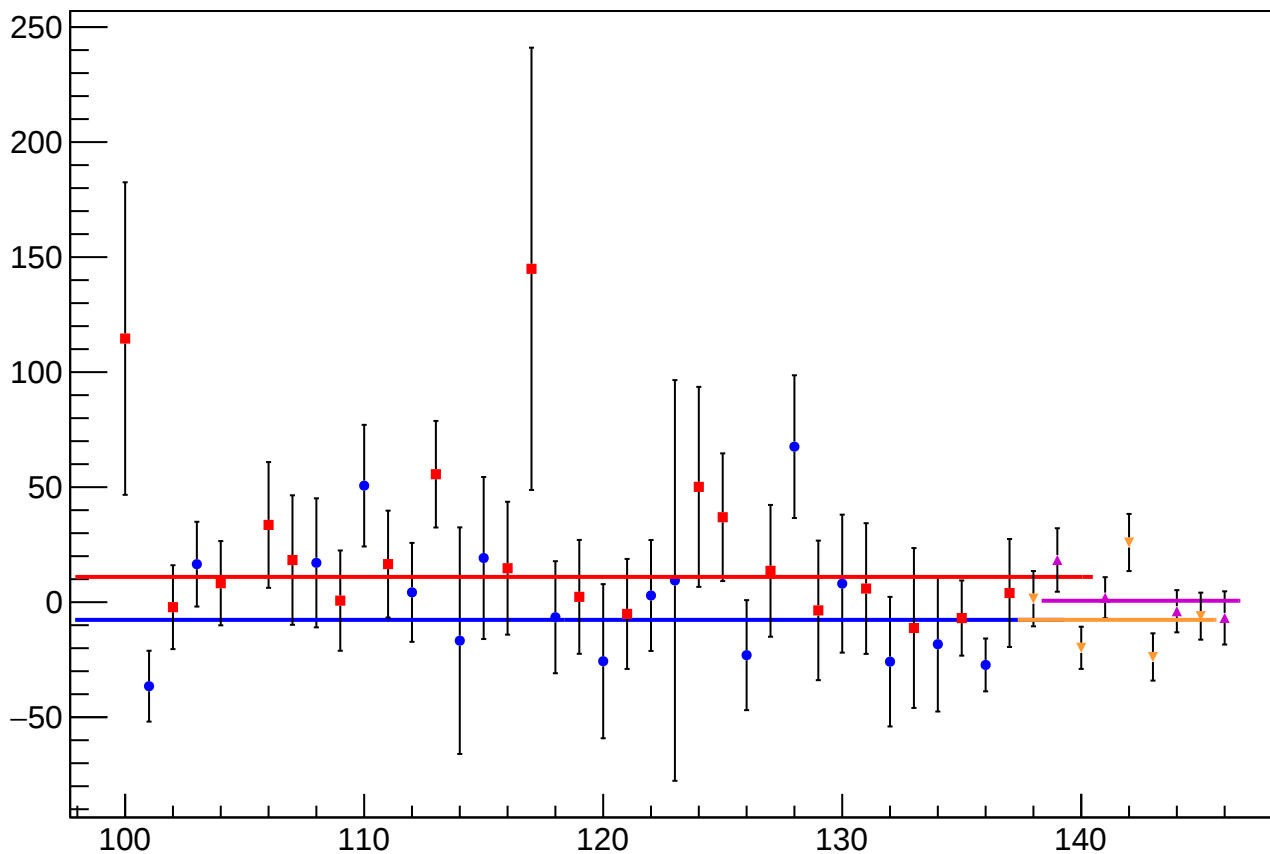
Left In: 309.271 $\pm$ 0.123 χ^2 /NDF: 73862.1/3

1.744 $\pm$ 0.001 χ^2 /NDF: 17569649.6/21

1.756 $\pm$ 0.001 χ^2 /NDF: 34720211.1/45

1.767 $\pm$ 0.001 χ^2 /NDF: 17150433.1/23

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -7.683 ± 4.749 χ^2/NDF : 12.2/4

Right Out: 10.992 ± 5.672 χ^2/NDF : 13.8/19

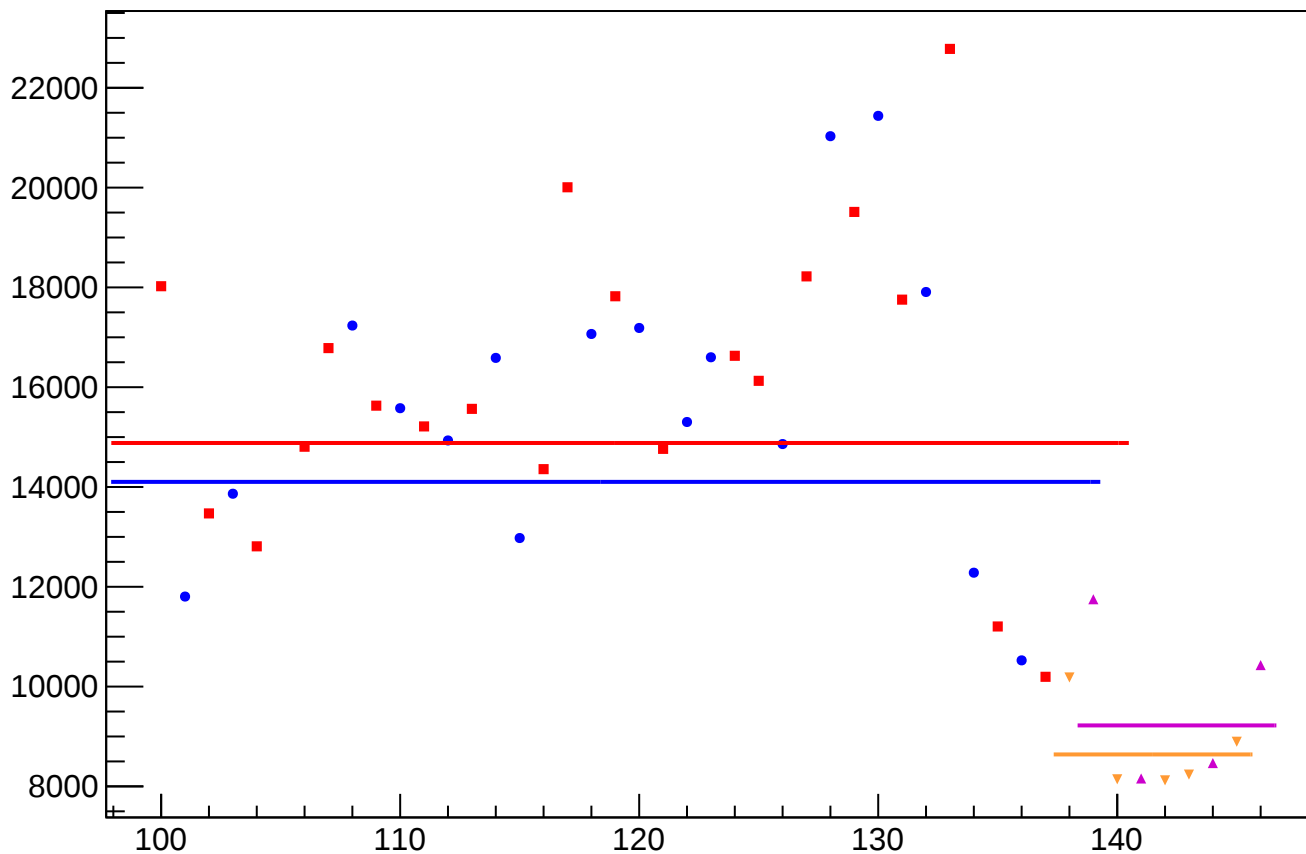
Left In: 0.620 ± 5.186 χ^2/NDF : 2.3/3

-7.683 ± 3.629 χ^2/NDF : 34.5/21

-1.516 ± 2.634 χ^2/NDF : 58.6/45

5.343 ± 3.828 χ^2/NDF : 18.0/23

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 8640.020+/-3.358 χ^2/NDF : 46686.5/4

Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

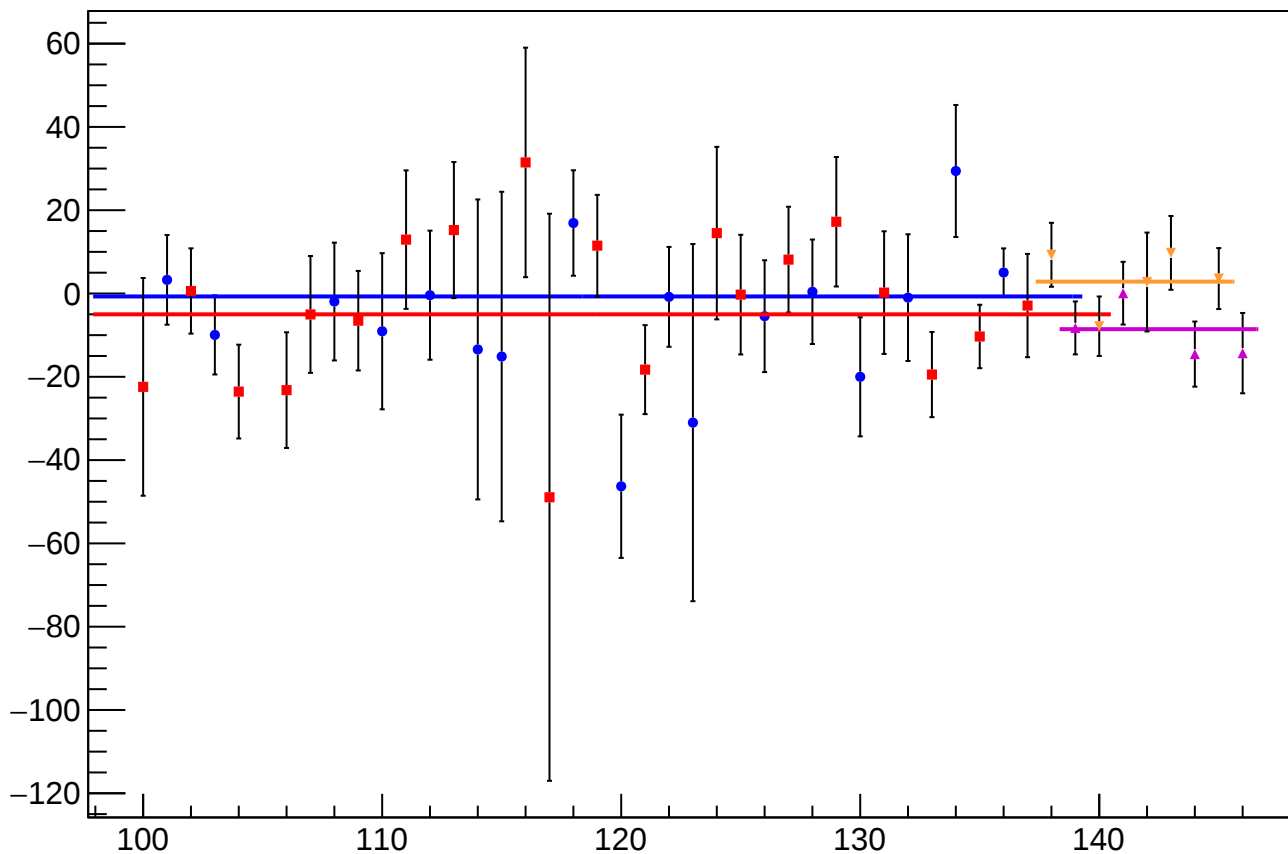
Left In: 9221.630+/-3.667 χ^2/NDF : 130990.6/3

10912.169+/-2.566 χ^2/NDF : 1746334.1/21

11332.033+/-1.862 χ^2/NDF : 3494599.9/4

11799.055+/-2.707 χ^2/NDF : 1691723.4/23

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 2.859 ± 3.650 χ^2/NDF : 3.6/4

Right Out: -5.000 ± 2.937 χ^2/NDF : 20.2/19

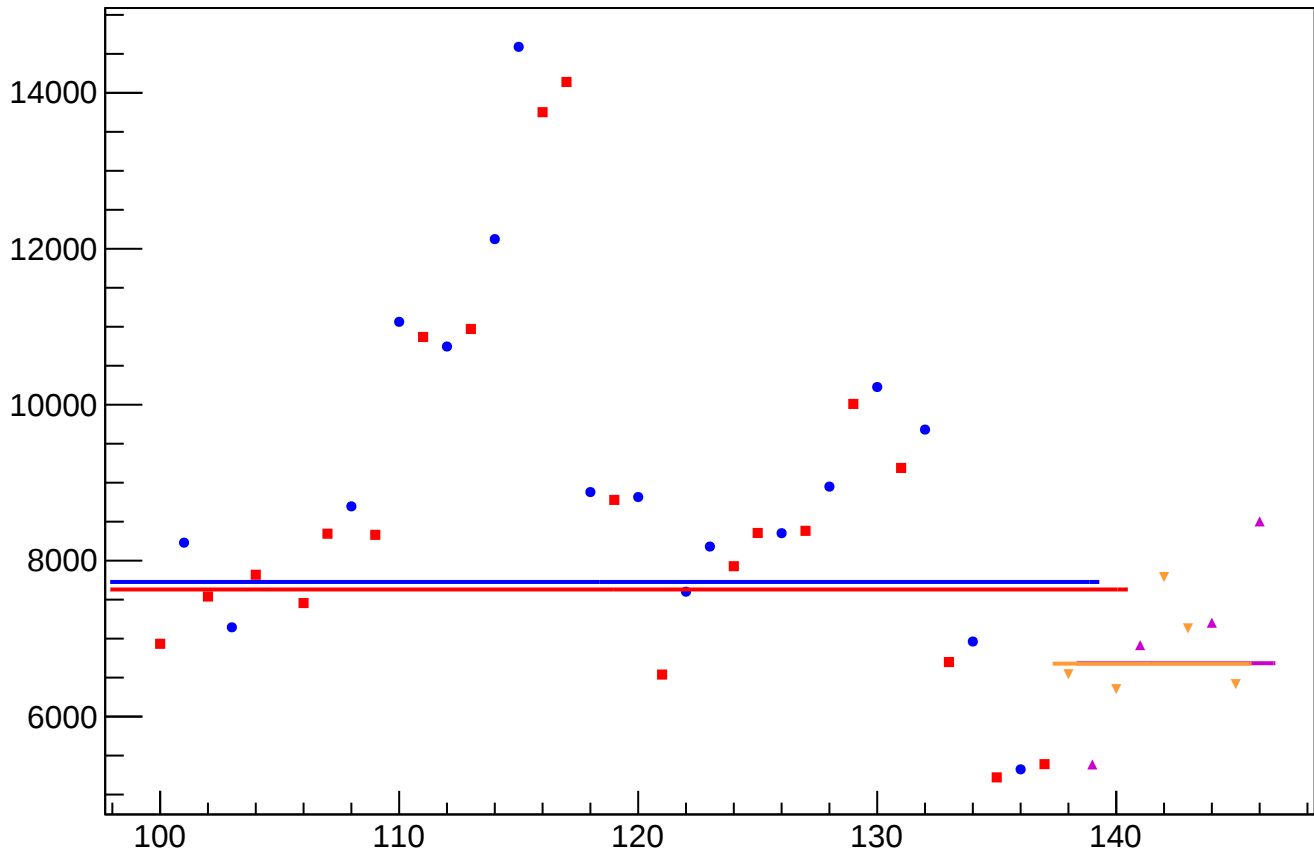
Left In: -8.564 ± 3.793 χ^2/NDF : 2.3/3

0.778 ± 2.355 χ^2/NDF : 21.7/21

-2.830 ± 1.654 χ^2/NDF : 49.3/45

-6.336 ± 2.322 χ^2/NDF : 23.0/23

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 6679.257 $\pm$ 2.581 χ^2 /NDF:30118.5/4

Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

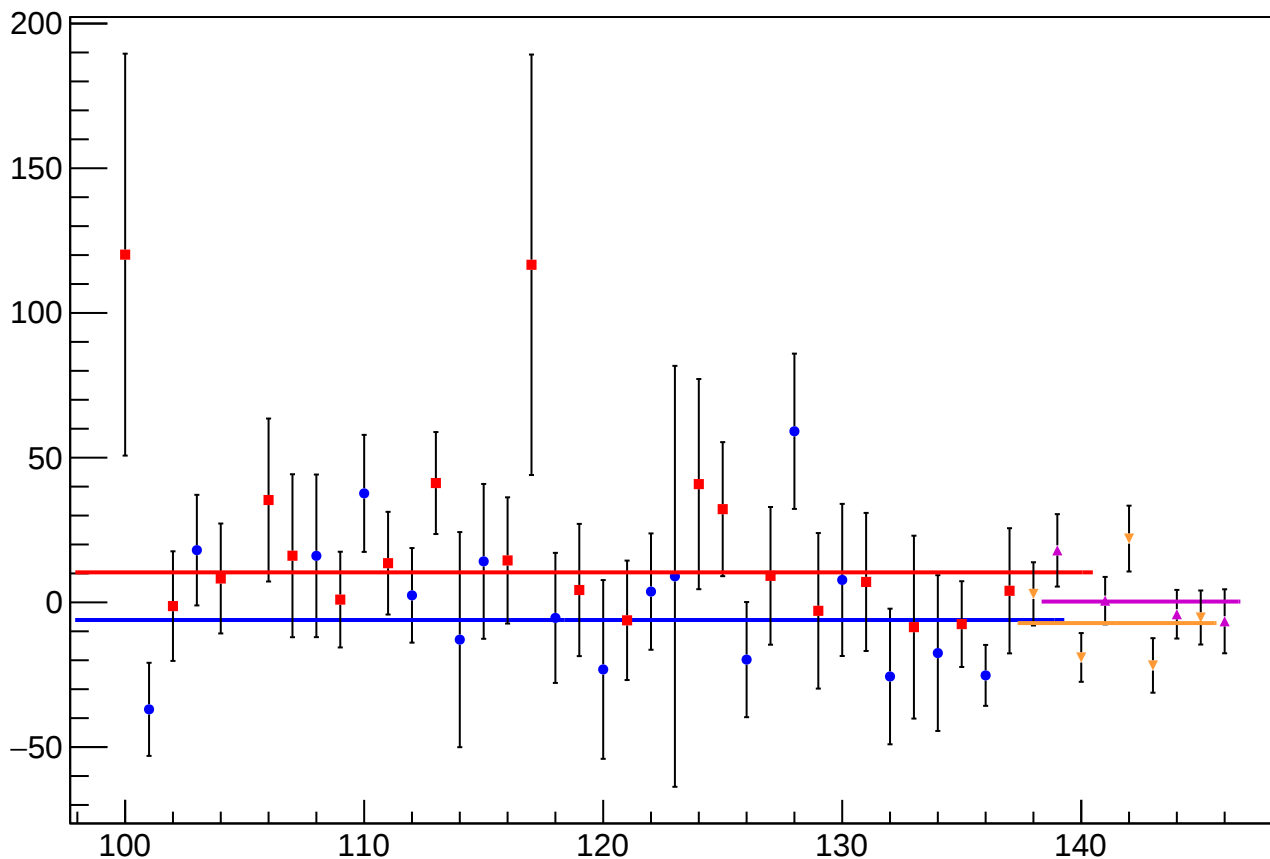
Left In: 6684.548 $\pm$ 2.682 χ^2 /NDF:165343.0/3

7290.473 $\pm$ 1.666 χ^2 /NDF: 868758.2/21

7283.057 $\pm$ 1.169 χ^2 /NDF: 1805331.9/45

7275.849 $\pm$ 1.642 χ^2 /NDF: 936534.6/23

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 $\pm$ 5.034 χ^2/NDF : 22.9/16

Left Out: -7.155 $\pm$ 4.345 χ^2/NDF : 11.9/4

Right Out: 10.369 $\pm$ 4.992 χ^2/NDF : 13.8/19

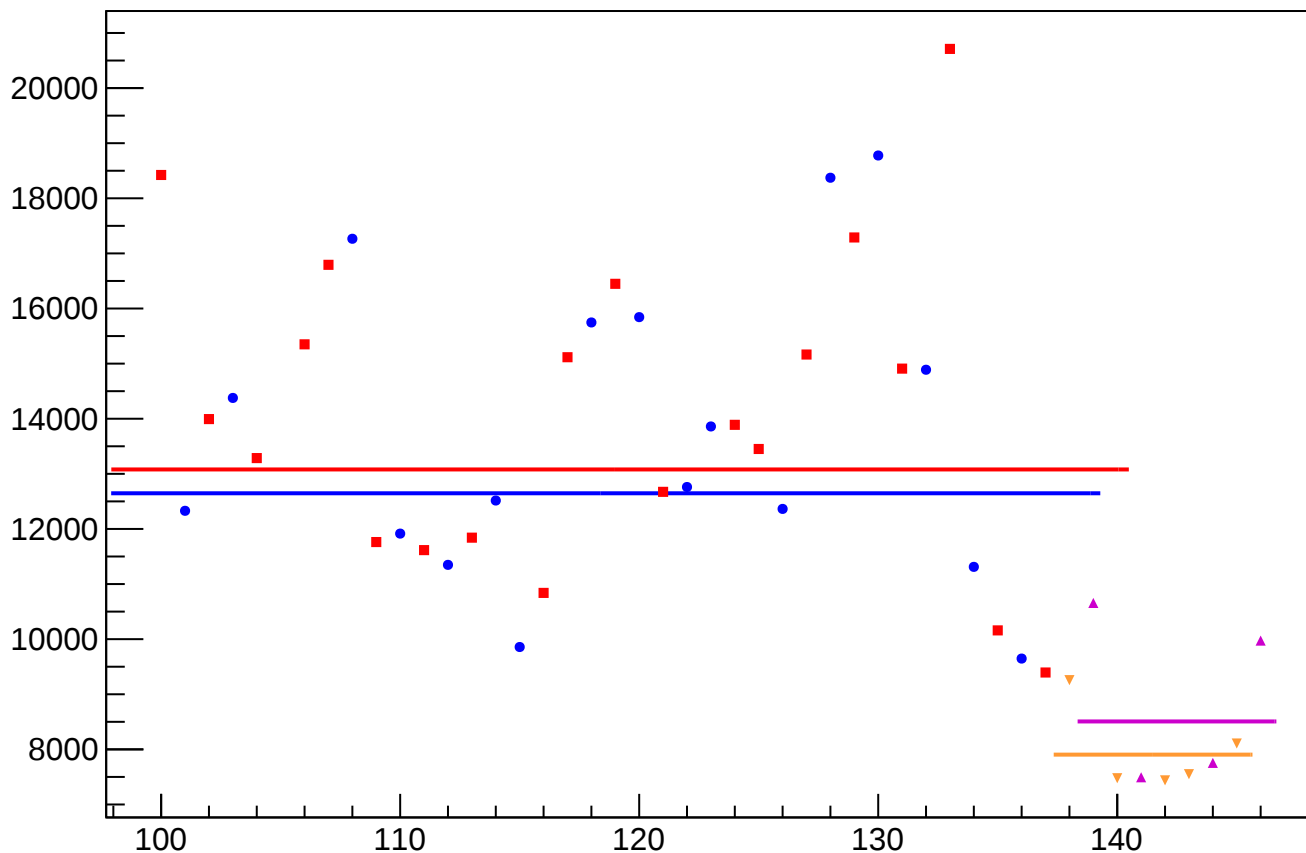
Left In: 0.282 $\pm$ 4.788 χ^2/NDF : 2.7/3

-6.701 $\pm$ 3.289 χ^2/NDF : 34.8/21

-1.084 $\pm$ 2.382 χ^2/NDF : 59.5/45

5.115 $\pm$ 3.455 χ^2/NDF : 18.6/23

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 7904.680+/-3.073 χ^2/NDF : 42925.7/4

Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

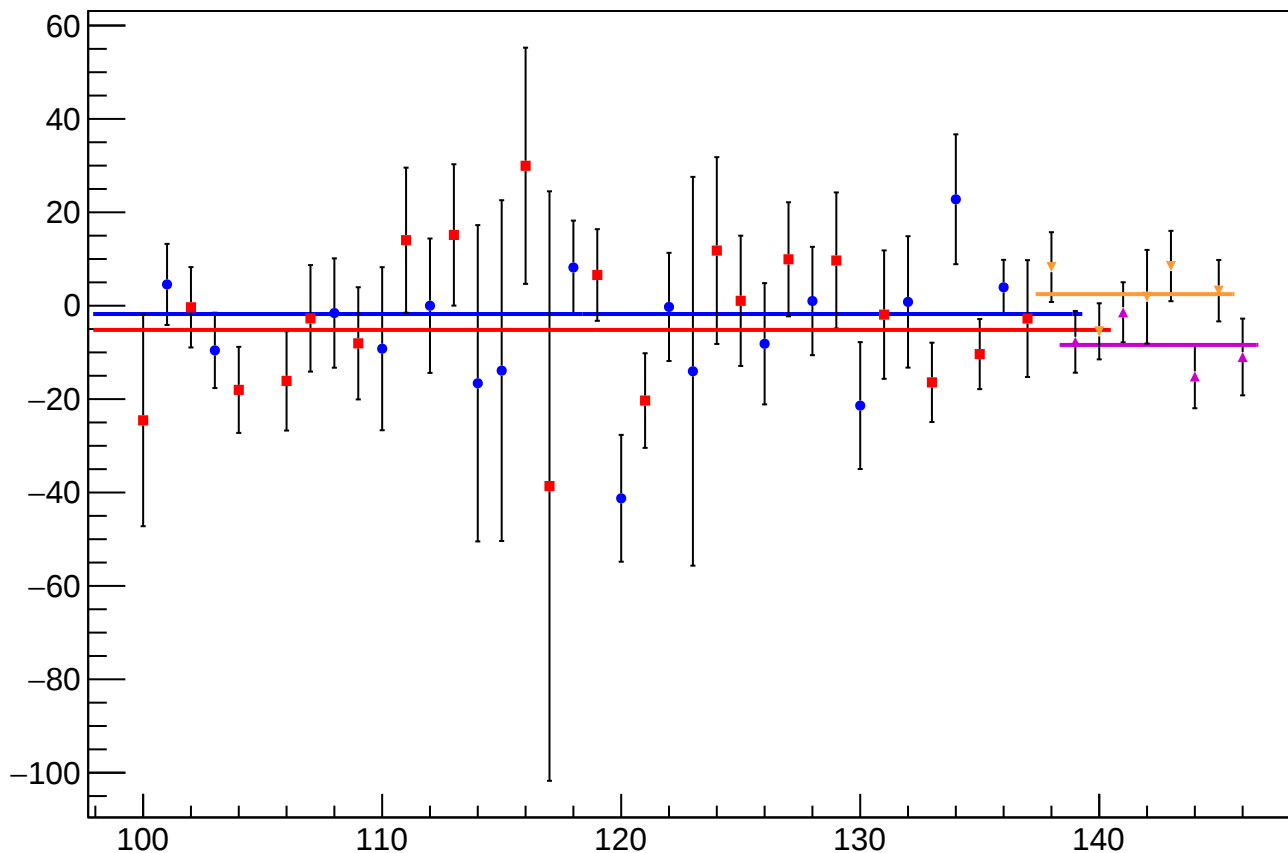
Left In: 8506.817+/-3.386 χ^2/NDF : 140866.2/3

9929.710+/-2.326 χ^2/NDF : 1614543.8/21

10294.920+/-1.685 χ^2/NDF : 3179285.4/4

10697.950+/-2.443 χ^2/NDF : 1512876.0/23

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 2.484 ± 3.222 χ^2/NDF : 3.0/4

Right Out: -5.181 ± 2.640 χ^2/NDF : 19.2/19

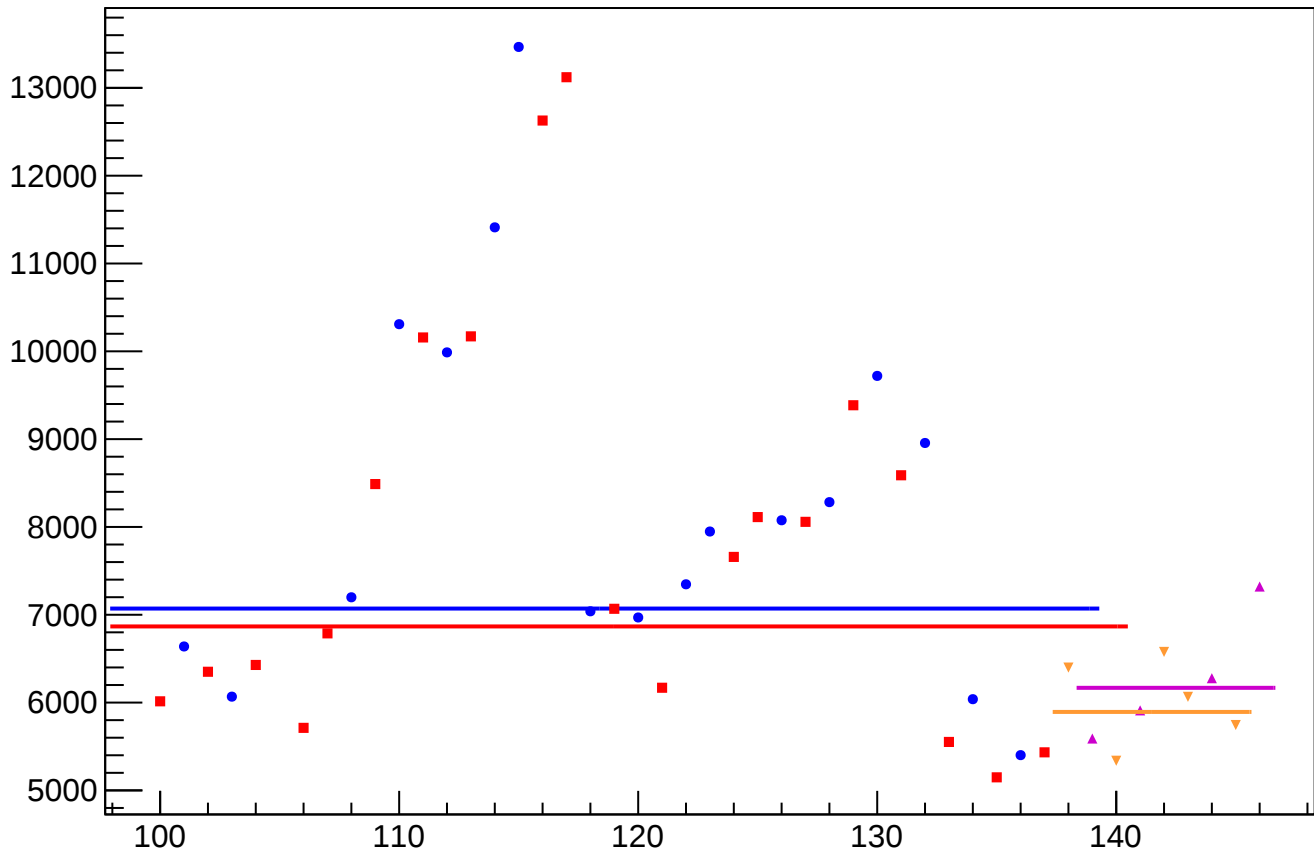
Left In: -8.396 ± 3.463 χ^2/NDF : 2.3/3

0.061 ± 2.116 χ^2/NDF : 22.0/21

-3.176 ± 1.490 χ^2/NDF : 48.6/45

-6.362 ± 2.099 χ^2/NDF : 22.0/23

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2/NDF : 601692.5/16

Left Out: 5893.569 $\pm$ 2.278 χ^2/NDF : 37652.7/4

Right Out: 6867.094 $\pm$ 1.866 χ^2/NDF : 701892.5/19

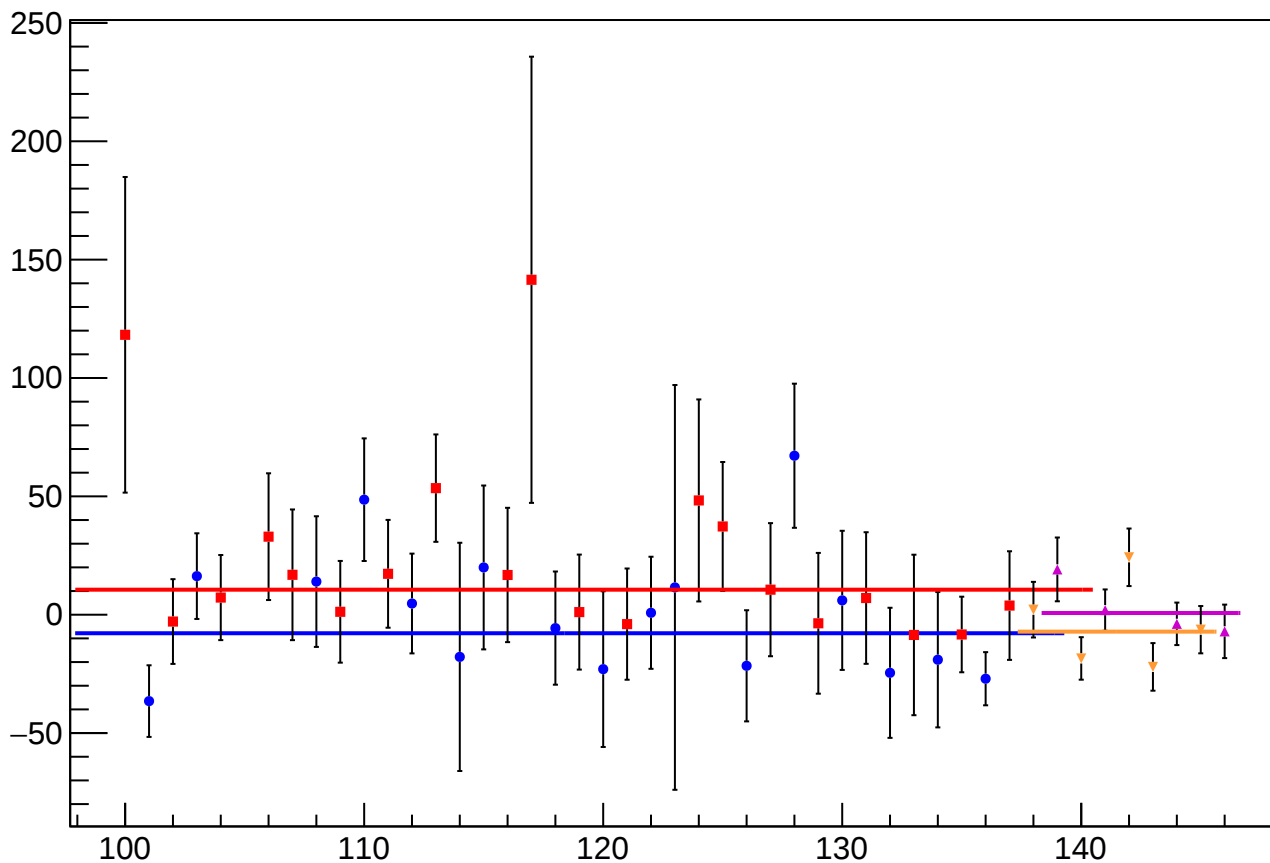
Left In: 6168.033 $\pm$ 2.448 χ^2/NDF : 58375.7/3

6562.887 $\pm$ 1.496 χ^2/NDF : 791172.8/21

6586.715 $\pm$ 1.054 χ^2/NDF : 1603501.0/45

6610.169 $\pm$ 1.484 χ^2/NDF : 811824.9/23

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -7.146 ± 4.645 $\chi^2/\text{NDF}: 11.1/4$

Right Out: 10.574 ± 5.561 $\chi^2/\text{NDF}: 14.1/19$

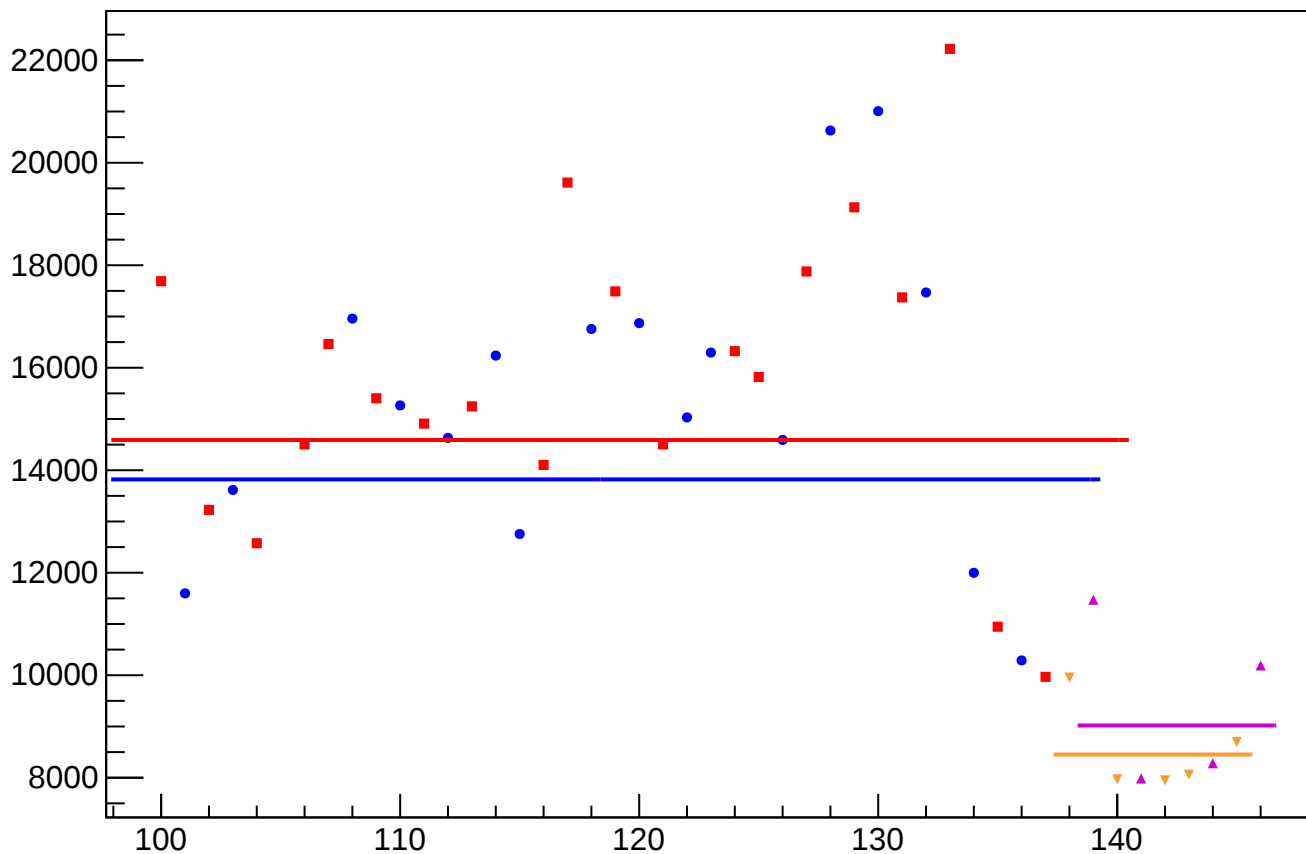
Left In: 0.724 ± 5.072 $\chi^2/\text{NDF}: 2.6/3$

-7.428 ± 3.553 $\chi^2/\text{NDF}: 33.4/21$

-1.451 ± 2.578 $\chi^2/\text{NDF}: 57.8/45$

5.196 ± 3.747 $\chi^2/\text{NDF}: 18.5/23$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 8452.762+/-3.285 χ^2/NDF : 46226.4/4

Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

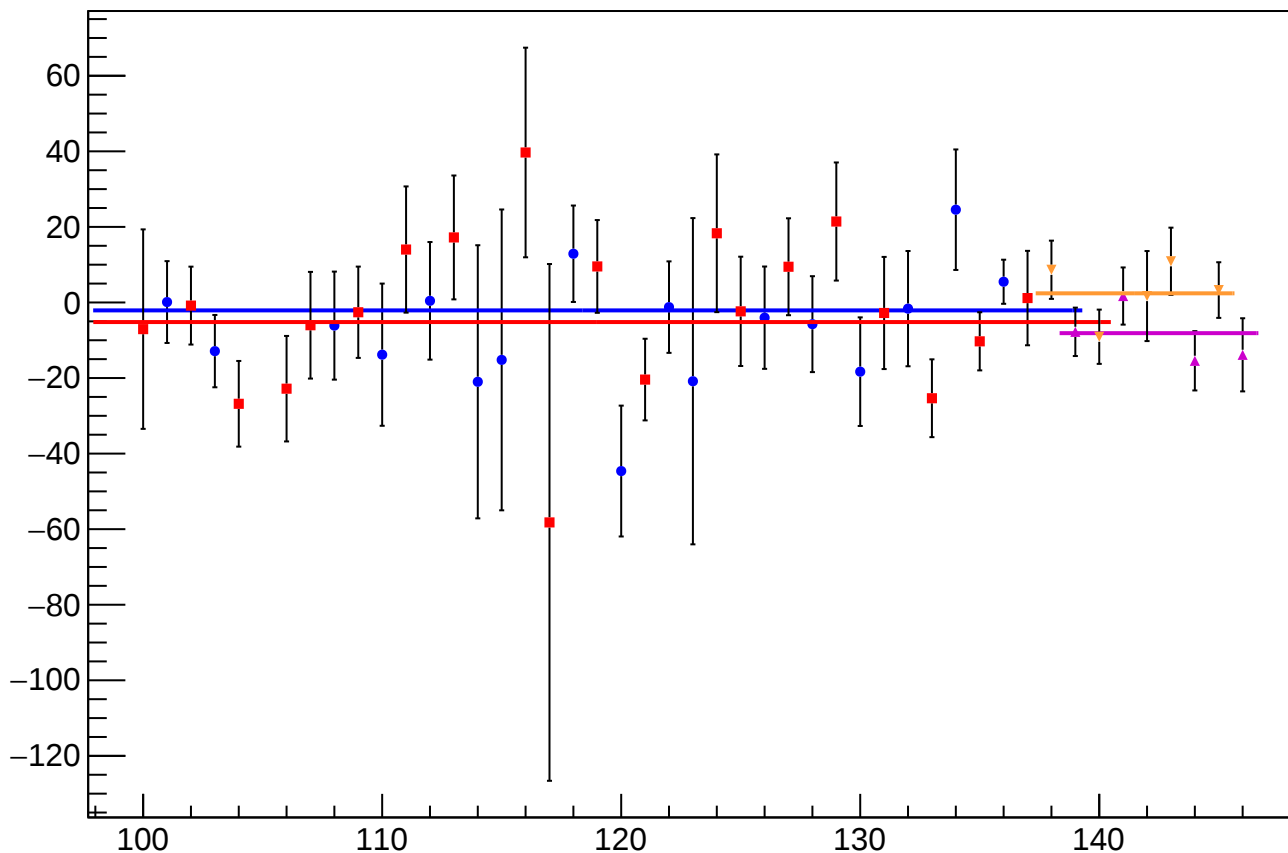
Left In: 9018.858+/-3.586 χ^2/NDF : 129453.7/3

10680.469+/-2.512 χ^2/NDF : 1757301.3/21

11091.298+/-1.823 χ^2/NDF : 3517161.0/4

11548.277+/-2.650 χ^2/NDF : 1703379.6/23

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 2.419 ± 3.668 χ^2/NDF : 4.1/4

Right Out: -5.184 ± 2.959 χ^2/NDF : 25.4/19

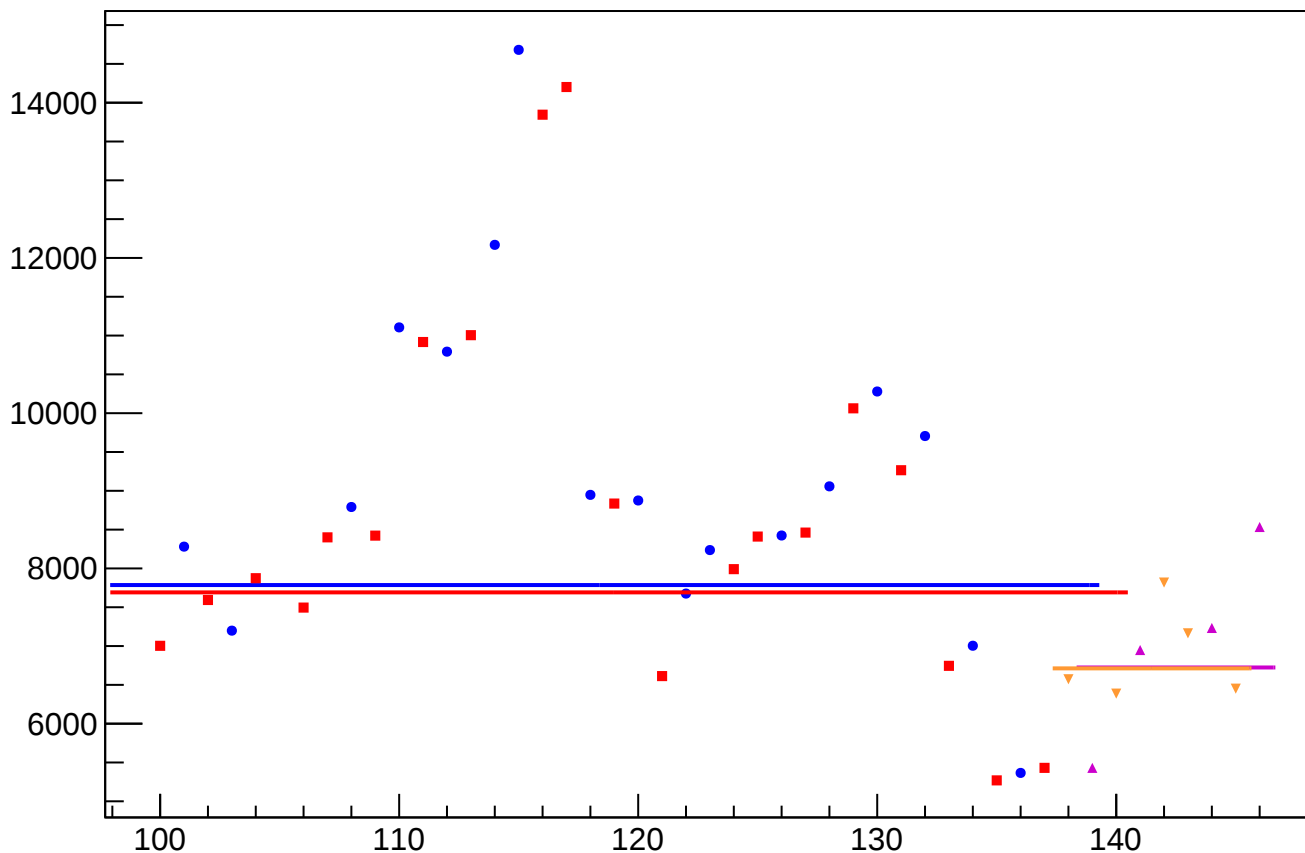
Left In: -8.121 ± 3.814 χ^2/NDF : 2.9/3

-0.211 ± 2.370 χ^2/NDF : 20.7/21

-3.291 ± 1.665 χ^2/NDF : 52.6/45

-6.288 ± 2.338 χ^2/NDF : 28.6/23

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 6712.399 $\pm$ 2.593 χ^2 /NDF: 29657.3/4

Right Out: 7691.398 $\pm$ 2.093 χ^2 /NDF: 686898.9/19

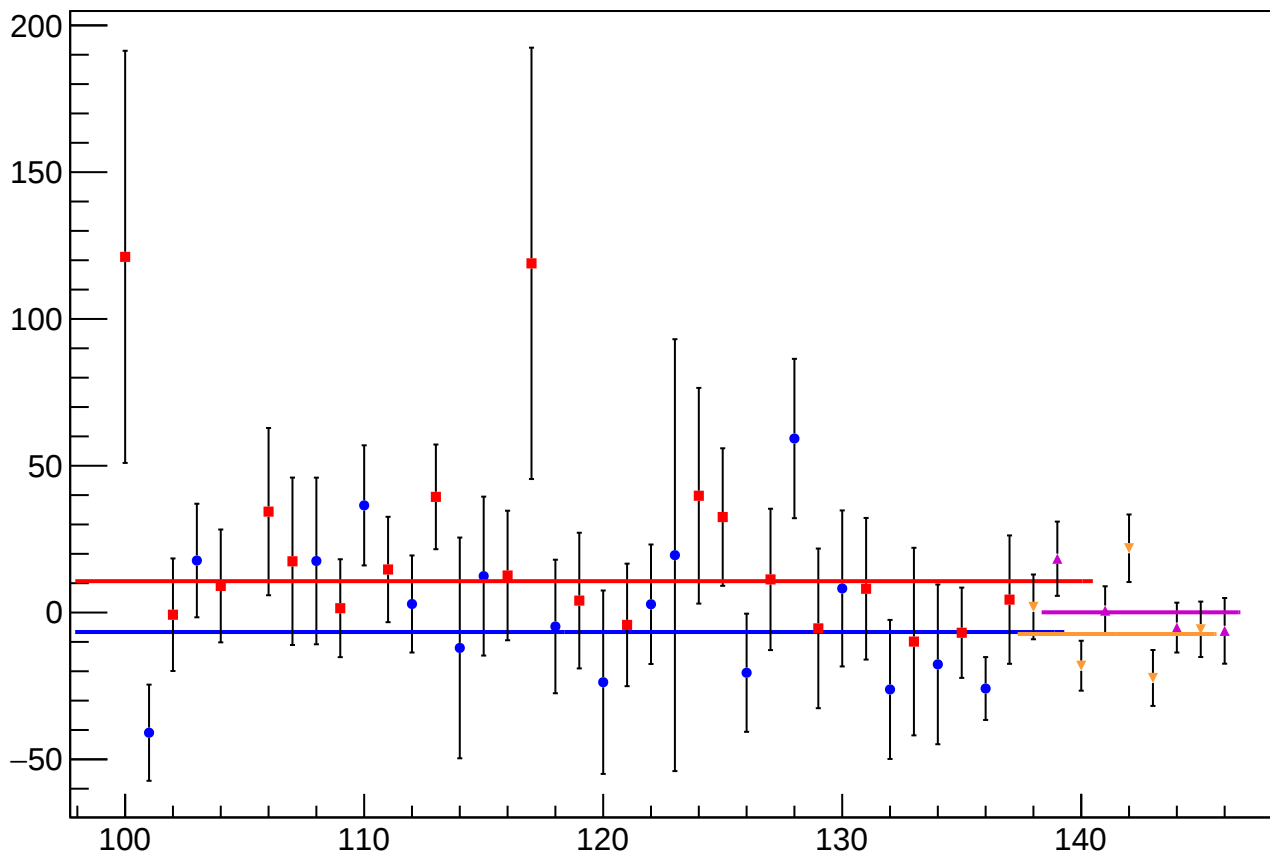
Left In: 6723.936 $\pm$ 2.697 χ^2 /NDF: 161649.2/3

7337.472 $\pm$ 1.676 χ^2 /NDF: 867536.6/21

7332.552 $\pm$ 1.177 χ^2 /NDF: 1796437.7/45

7327.766 $\pm$ 1.653 χ^2 /NDF: 928884.1/23

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 $\pm$ 5.101 χ^2/NDF : 23.4/16

Left Out: -7.312 $\pm$ 4.391 χ^2/NDF : 11.3/4

Right Out: 10.688 $\pm$ 5.063 χ^2/NDF : 13.0/19

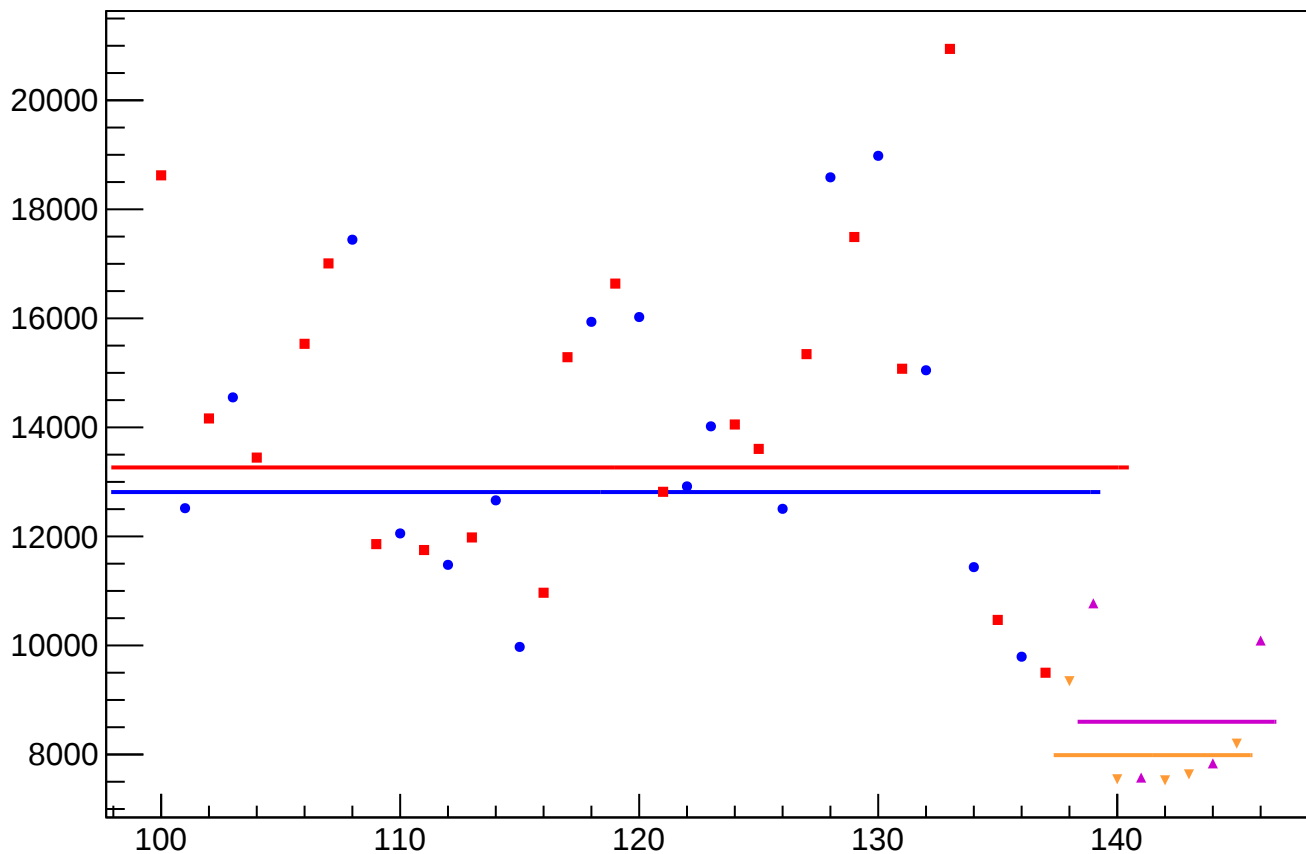
Left In: 0.078 $\pm$ 4.840 χ^2/NDF : 2.8/3

-7.024 $\pm$ 3.328 χ^2/NDF : 34.7/21

-1.243 $\pm$ 2.411 χ^2/NDF : 59.1/45

5.145 $\pm$ 3.499 χ^2/NDF : 18.0/23

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726 $\pm$ 3.607 χ^2/NDF : 548127.6/16

Left Out: 7987.921 $\pm$ 3.105 χ^2/NDF : 42656.3/4

Right Out: 13265.185 $\pm$ 3.580 χ^2/NDF : 485810.1/19

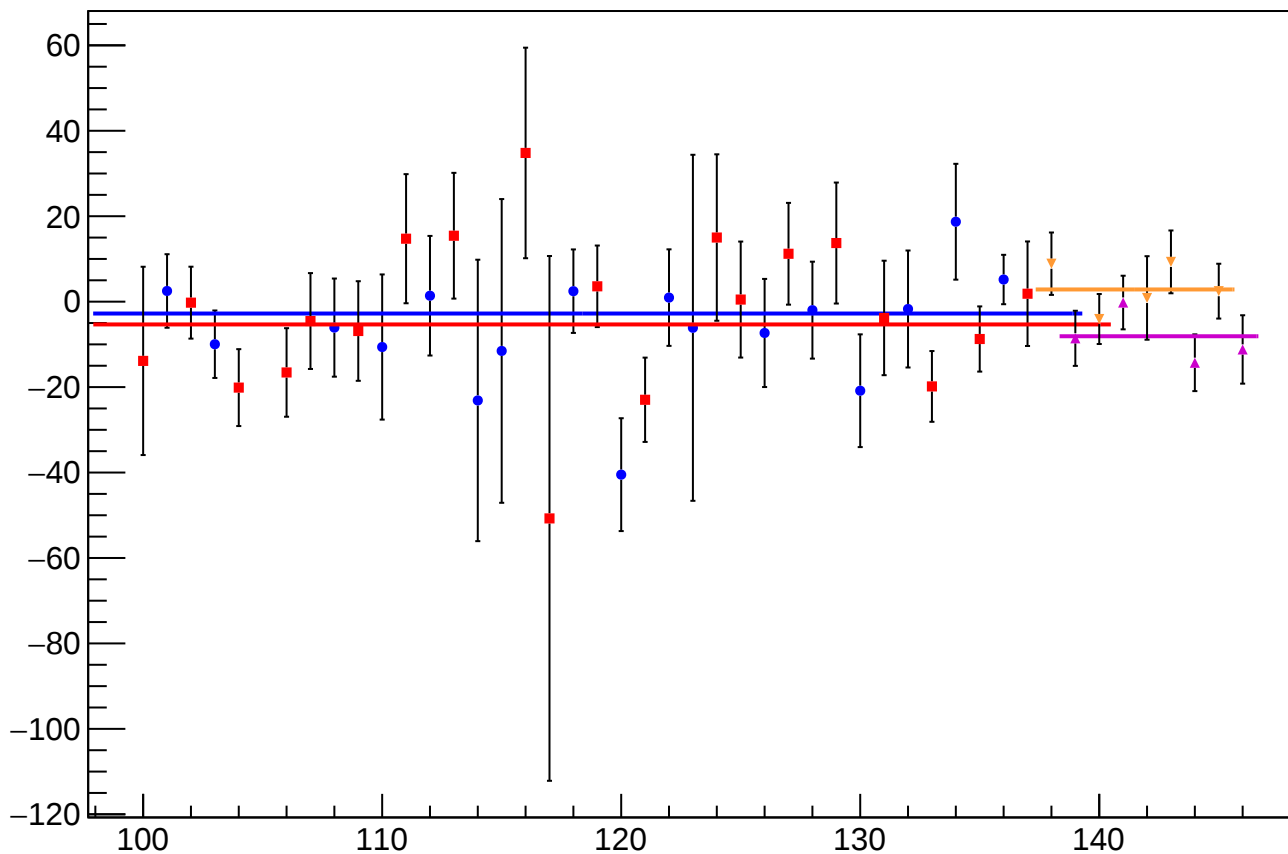
Left In: 8600.074 $\pm$ 3.423 χ^2/NDF : 141206.8/3

10041.700 $\pm$ 2.353 χ^2/NDF : 1618871.3/21

10415.196 $\pm$ 1.705 χ^2/NDF : 3186105.6/4

10827.996 $\pm$ 2.474 χ^2/NDF : 1514200.8/23

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 2.855 ± 3.143 χ^2/NDF : 2.9/4

Right Out: -5.332 ± 2.587 χ^2/NDF : 24.1/19

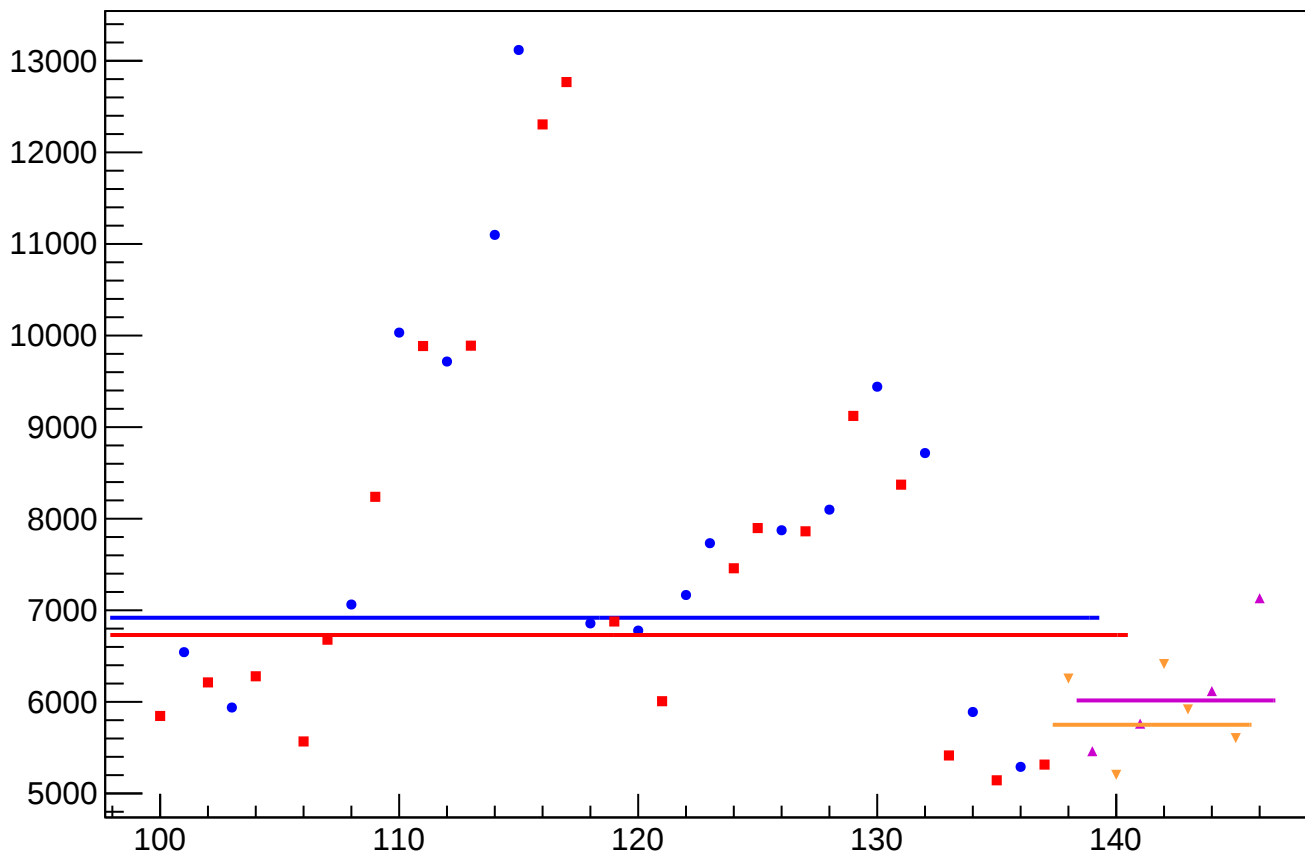
Left In: -8.096 ± 3.377 χ^2/NDF : 2.6/3

-0.339 ± 2.068 χ^2/NDF : 21.7/21

-3.368 ± 1.457 χ^2/NDF : 53.1/45

-6.355 ± 2.054 χ^2/NDF : 27.1/23

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 5749.981+/-2.223 χ^2/NDF : 38279.3/4

Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

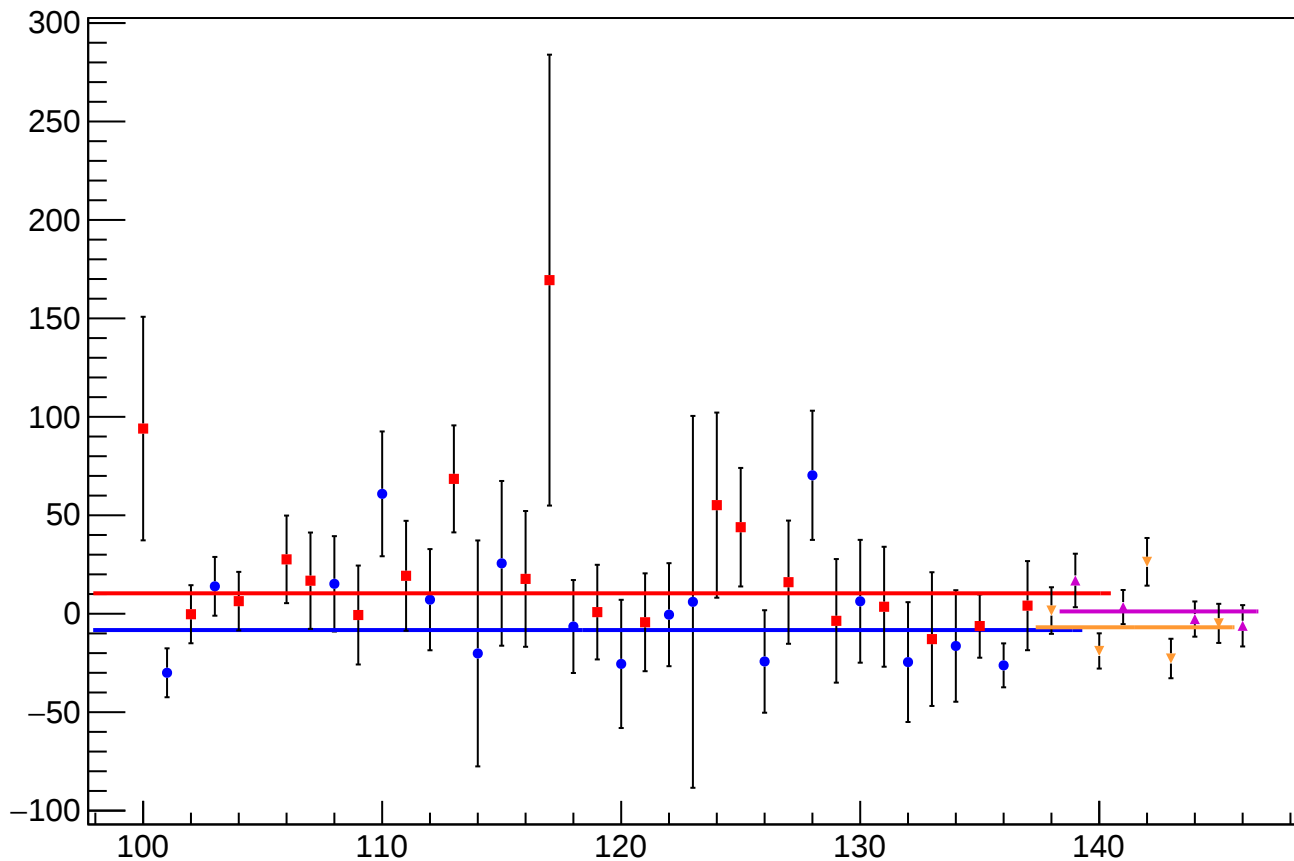
Left In: 6015.524+/-2.388 χ^2/NDF : 57358.4/3

6412.478+/-1.463 χ^2/NDF : 782982.1/21

6439.329+/-1.031 χ^2/NDF : 1570638.8/45

6465.800+/-1.452 χ^2/NDF : 786987.5/23

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -6.883 ± 4.635 $\chi^2/\text{NDF}: 12.4/4$

Right Out: 10.376 ± 5.507 $\chi^2/\text{NDF}: 14.8/19$

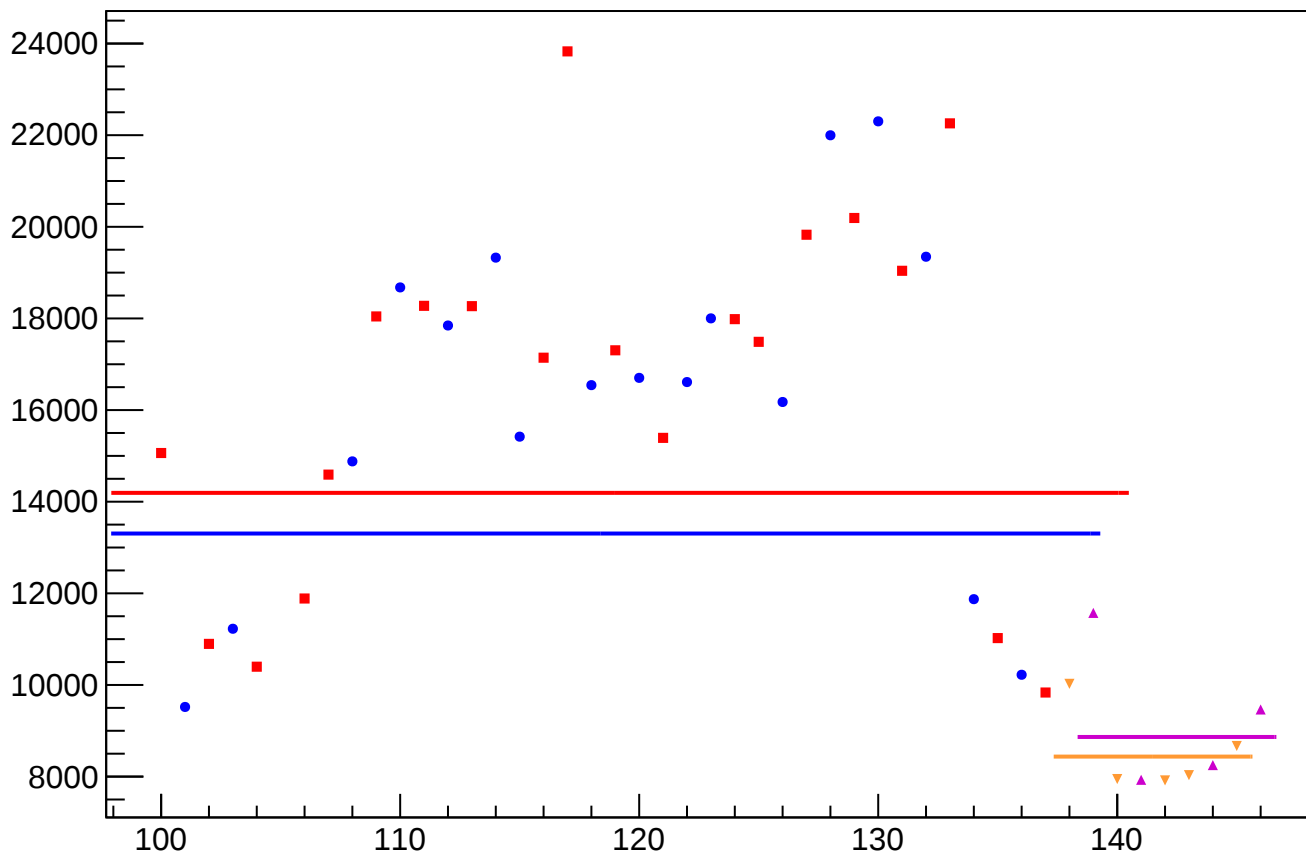
Left In: 1.173 ± 4.982 $\chi^2/\text{NDF}: 2.1/3$

-7.477 ± 3.520 $\chi^2/\text{NDF}: 34.2/21$

-1.390 ± 2.548 $\chi^2/\text{NDF}: 58.9/45$

5.315 ± 3.694 $\chi^2/\text{NDF}: 18.4/23$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2/NDF : 1044091.1/16

Left Out: 8436.623 $\pm$ 3.278 χ^2/NDF : 50067.5/4

Right Out: 14193.006 $\pm$ 3.894 χ^2/NDF : 944809.1/19

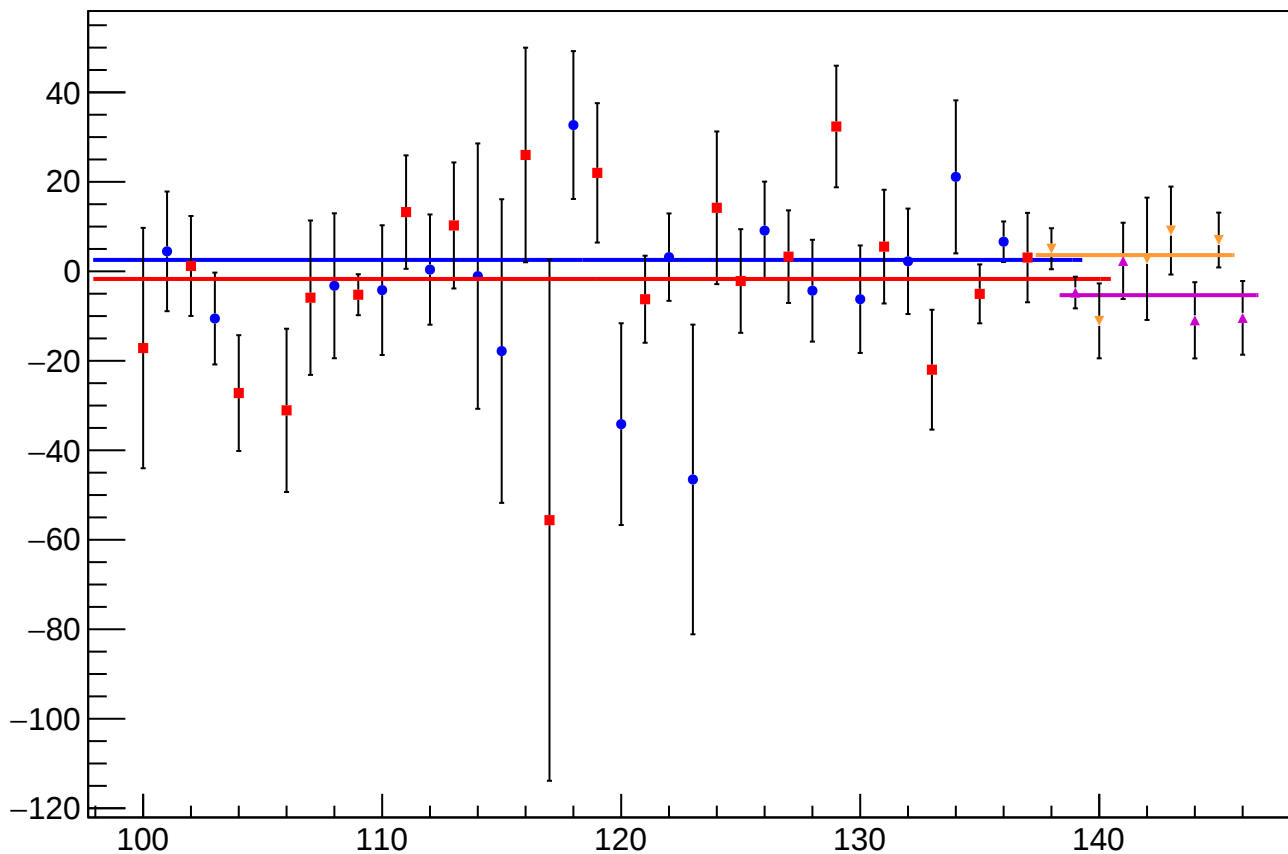
Left In: 8865.132 $\pm$ 3.523 χ^2/NDF : 118630.4/3

10497.780 $\pm$ 2.489 χ^2/NDF : 2028217.1/21

10861.973 $\pm$ 1.802 χ^2/NDF : 4166202.7/4

11263.117 $\pm$ 2.612 χ^2/NDF : 2092996.6/23

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 3.628 ± 3.097 $\chi^2/\text{NDF}: 3.8/4$

Right Out: -1.708 ± 2.440 $\chi^2/\text{NDF}: 24.9/19$

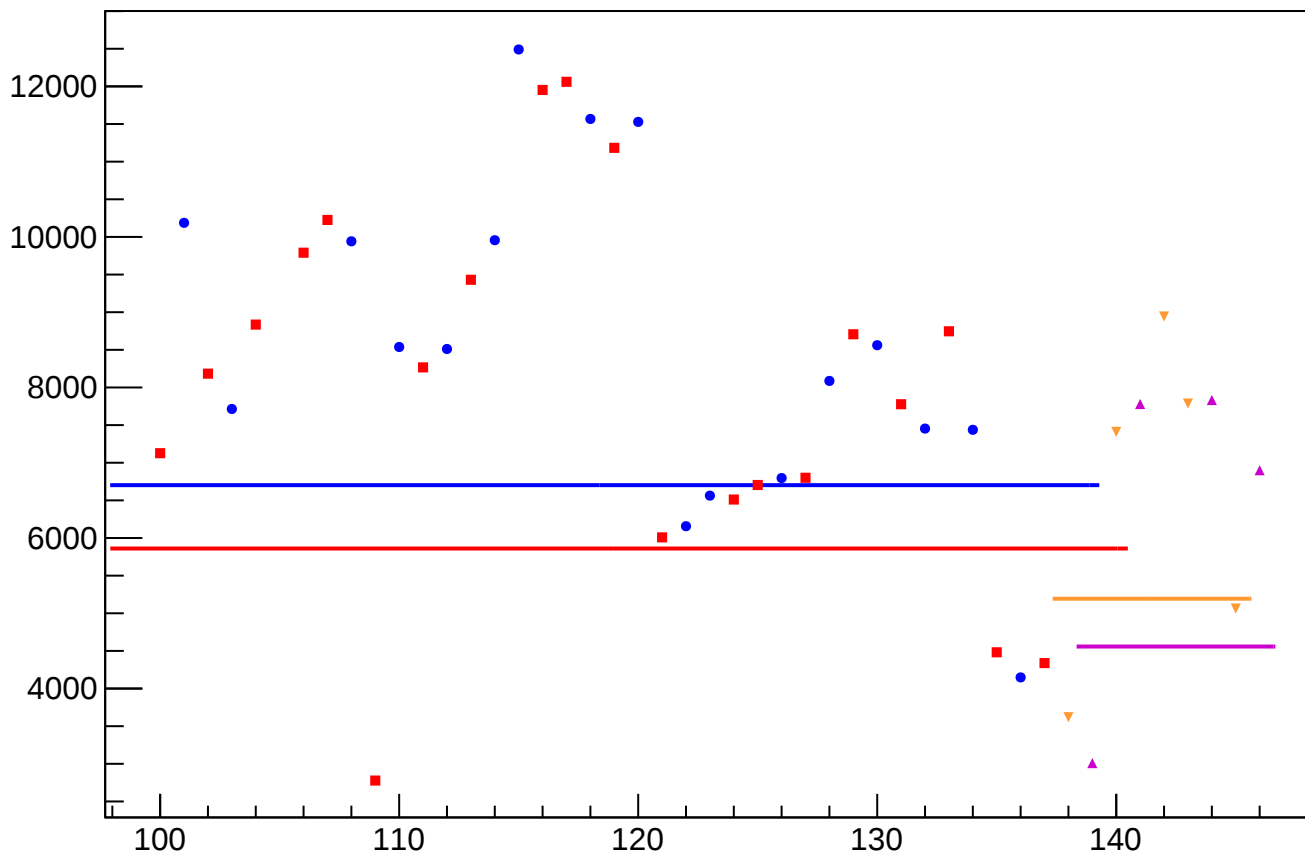
Left In: -5.327 ± 2.859 $\chi^2/\text{NDF}: 1.7/3$

3.027 ± 2.059 $\chi^2/\text{NDF}: 17.5/21$

-0.427 ± 1.379 $\chi^2/\text{NDF}: 50.0/45$

-3.233 ± 1.856 $\chi^2/\text{NDF}: 27.4/23$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5193.643+/-2.190 χ^2/NDF : 667210.5/4

Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

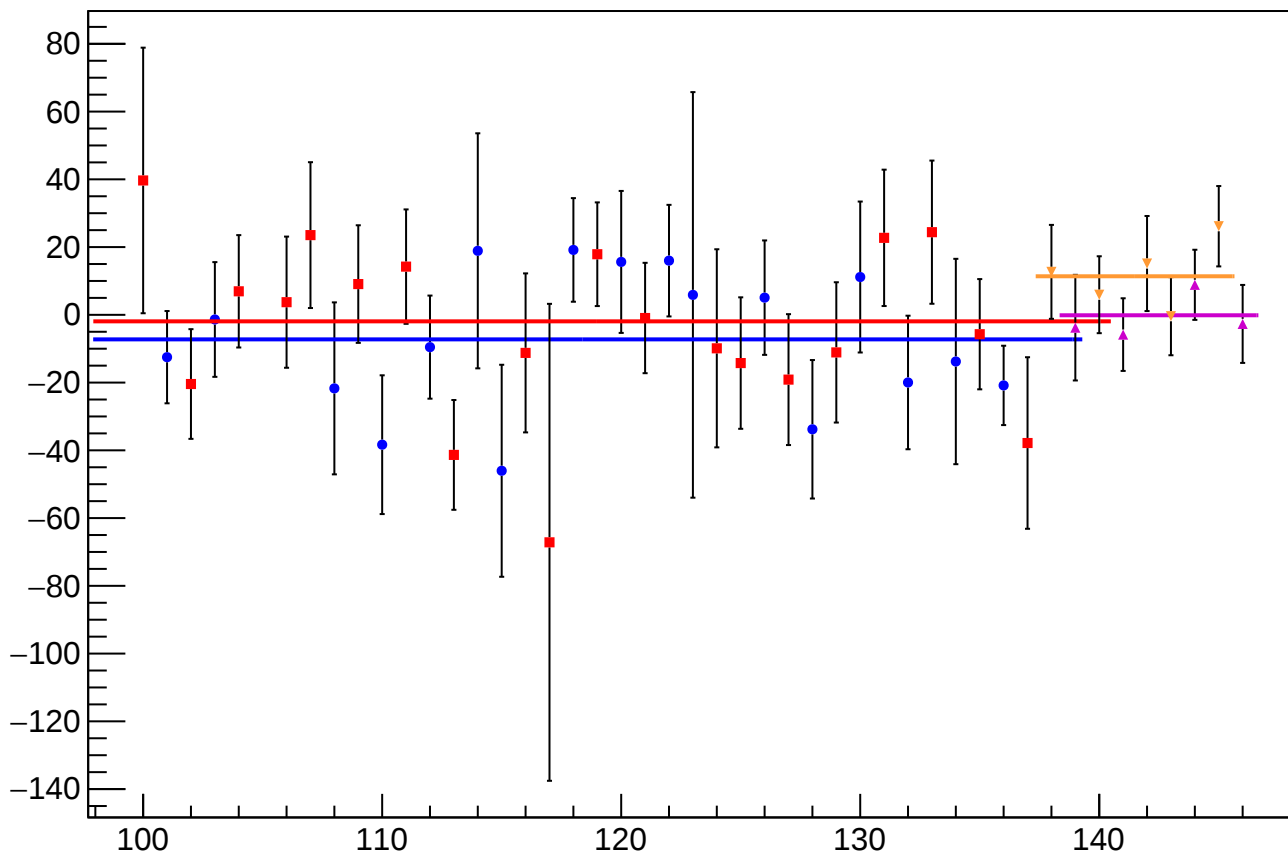
Left In: 4558.183+/-2.022 χ^2/NDF : 1127291.1/3

6035.227+/-1.456 χ^2/NDF : 2321976.8/21

5636.009+/-0.975 χ^2/NDF : 6126797.5/45

5311.631+/-1.312 χ^2/NDF : 3668549.3/23

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: 11.381 $\pm$ 5.532 χ^2/NDF : 2.9/4

Right Out: -1.922 $\pm$ 4.365 χ^2/NDF : 20.7/19

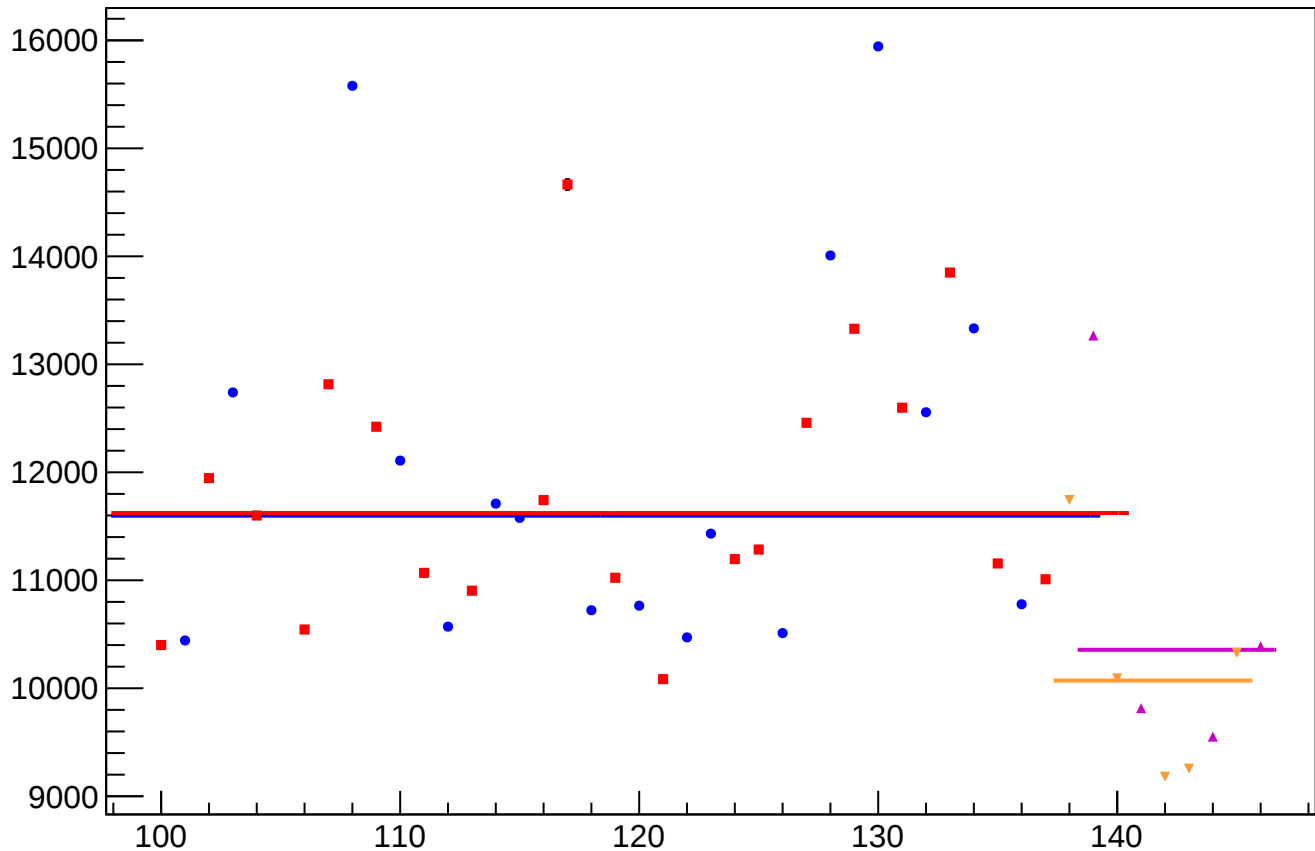
Left In: -0.130 $\pm$ 5.803 χ^2/NDF : 1.1/3

0.265 $\pm$ 3.513 χ^2/NDF : 25.6/21

-0.510 $\pm$ 2.475 χ^2/NDF : 47.6/45

-1.275 $\pm$ 3.488 χ^2/NDF : 21.9/23

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 10071.635+/-3.912 χ^2/NDF : 48091.8/4

Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

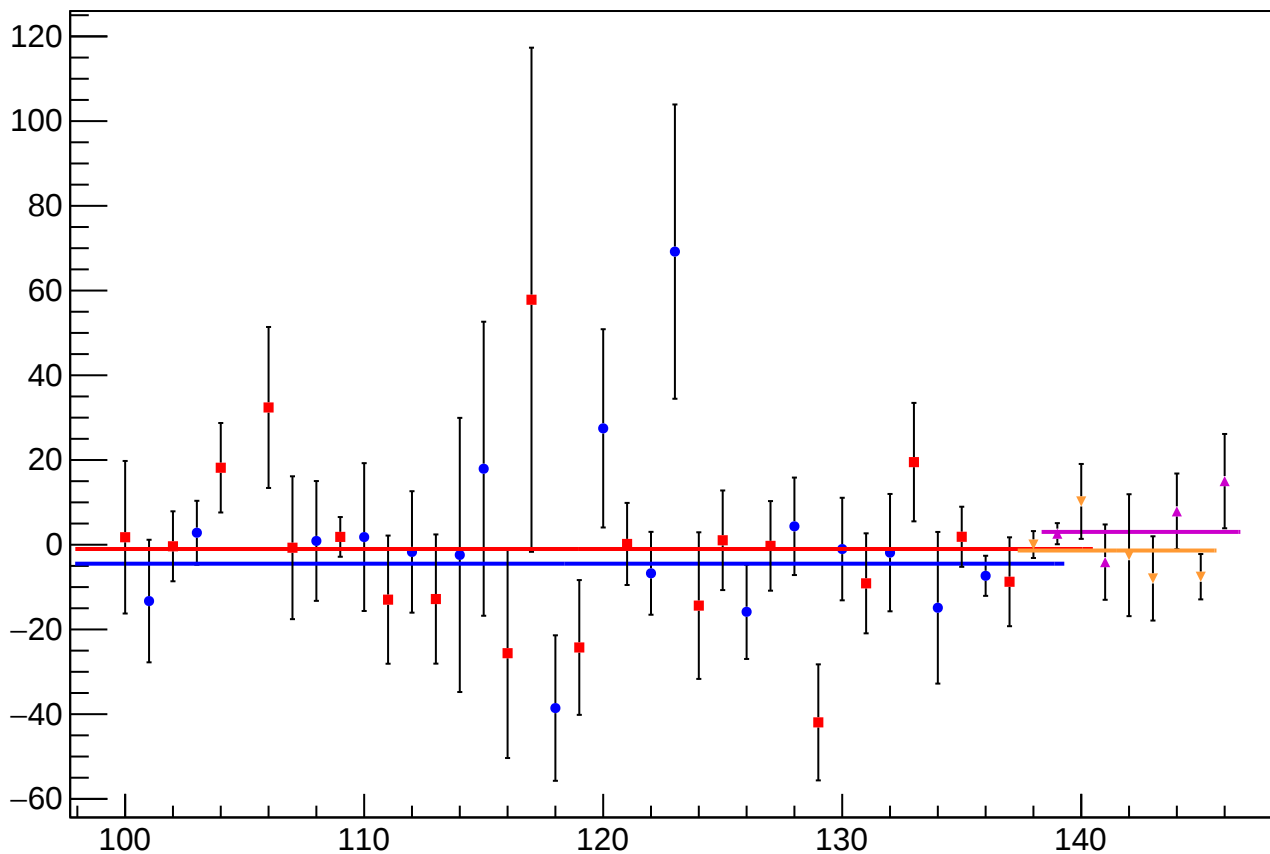
Left In: 10356.470+/-4.103 χ^2/NDF : 86851.6/3

10983.037+/-2.484 χ^2/NDF : 374474.5/21

11074.757+/-1.750 χ^2/NDF : 623047.5/45

11165.200+/-2.466 χ^2/NDF : 245864.8/23

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 $\pm$ 2.782 χ^2/NDF : 14.8/16

Left Out: -1.366 $\pm$ 2.487 χ^2/NDF : 3.7/4

Right Out: -1.007 $\pm$ 2.427 χ^2/NDF : 25.0/19

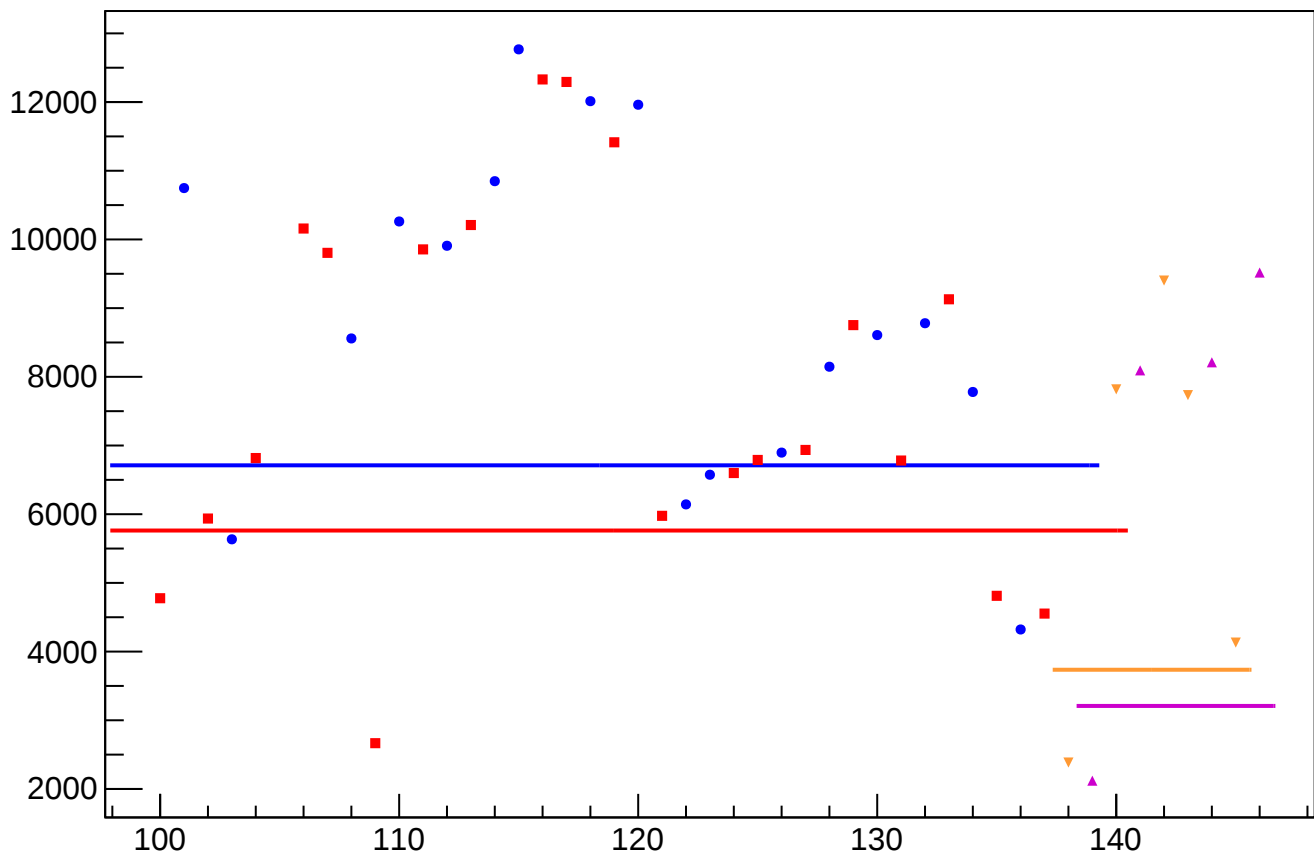
Left In: 3.025 $\pm$ 2.268 χ^2/NDF : 2.1/3

-2.747 $\pm$ 1.854 χ^2/NDF : 19.2/21

-0.583 $\pm$ 1.236 χ^2/NDF : 50.3/45

1.145 $\pm$ 1.657 χ^2/NDF : 28.6/23

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 $\pm$ 1.967 χ^2/NDF : 1446972.0/16

Left Out: 3735.564 $\pm$ 1.759 χ^2/NDF : 1431780.0/4

Right Out: 5762.387 $\pm$ 1.716 χ^2/NDF : 2189239.7/19

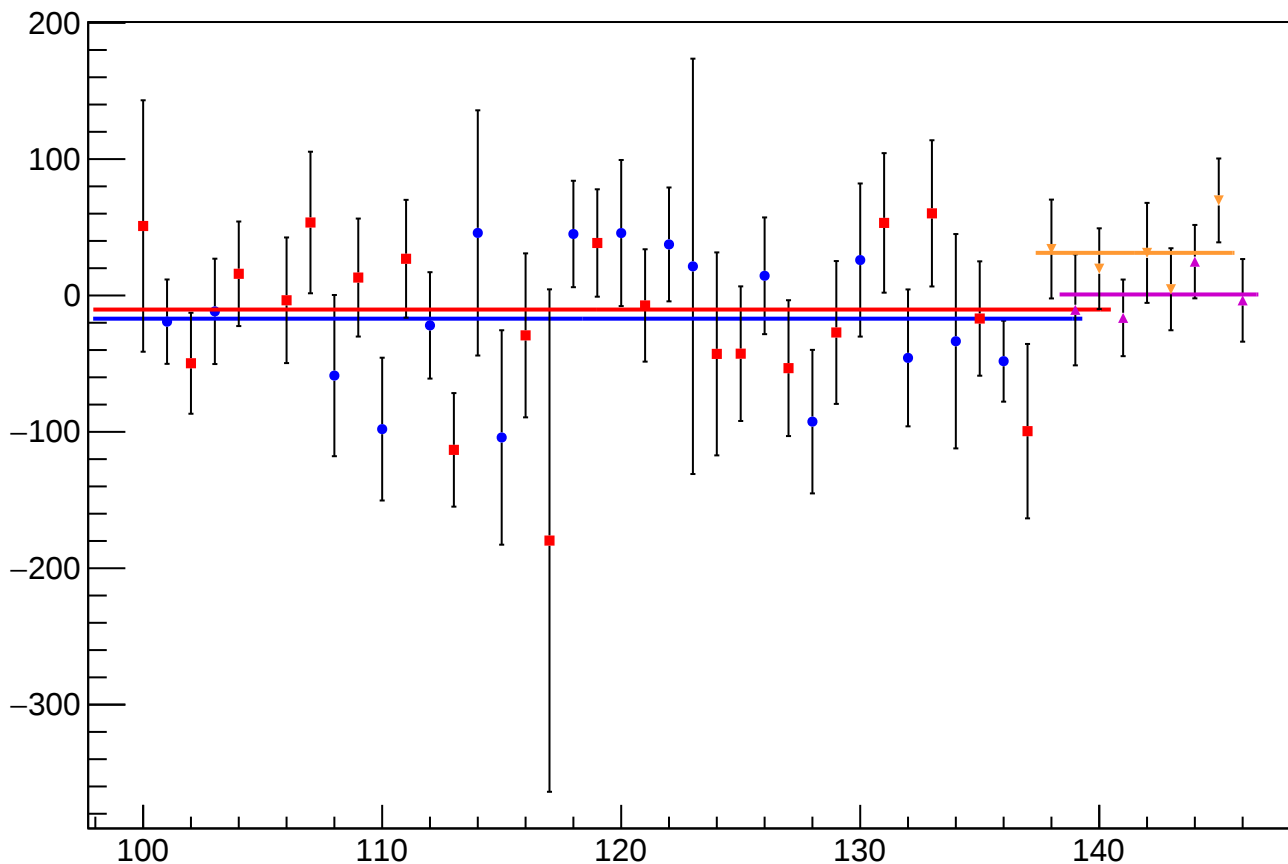
Left In: 3208.771 $\pm$ 1.604 χ^2/NDF : 2254752.2/3

5057.715 $\pm$ 1.311 χ^2/NDF : 4150891.0/21

4691.650 $\pm$ 0.874 χ^2/NDF : 9917083.5/45

4399.250 $\pm$ 1.172 χ^2/NDF : 5625958.6/23

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 $\pm$ 11.287 χ^2 /NDF: 15.0/16

Left Out: 31.261 $\pm$ 14.419 χ^2 /NDF: 2.5/4

Right Out: -10.311 $\pm$ 10.872 χ^2 /NDF: 19.9/19

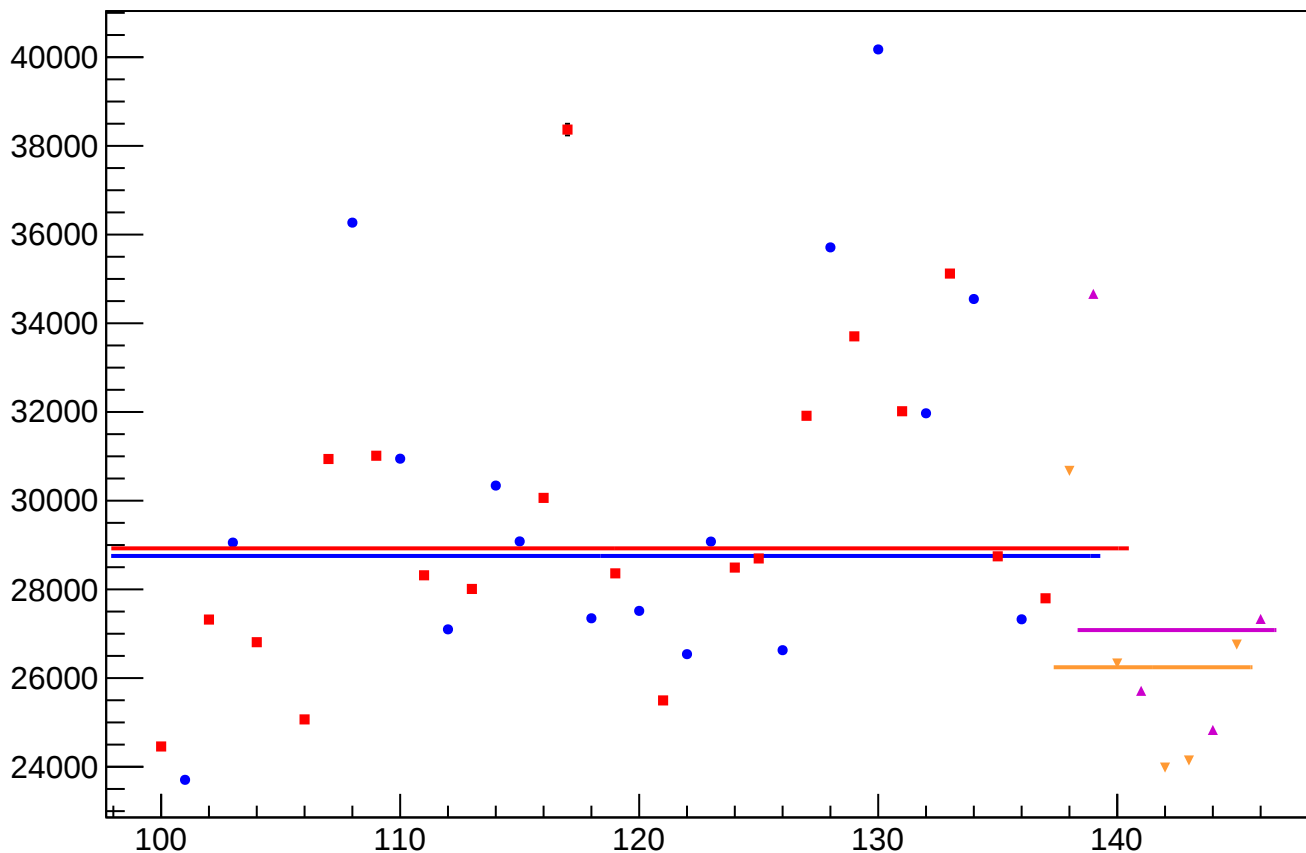
Left In: 0.746 $\pm$ 15.178 χ^2 /NDF: 1.3/3

1.330 $\pm$ 8.888 χ^2 /NDF: 24.4/21

-2.638 $\pm$ 6.267 χ^2 /NDF: 46.4/45

-6.562 $\pm$ 8.838 χ^2 /NDF: 21.5/23

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787 ± 7.981 χ^2/NDF : 249215.1/16

Left Out: 26244.208 ± 10.196 χ^2/NDF : 47825.7/4

Right Out: 28925.160 ± 7.687 χ^2/NDF : 116514.7/19

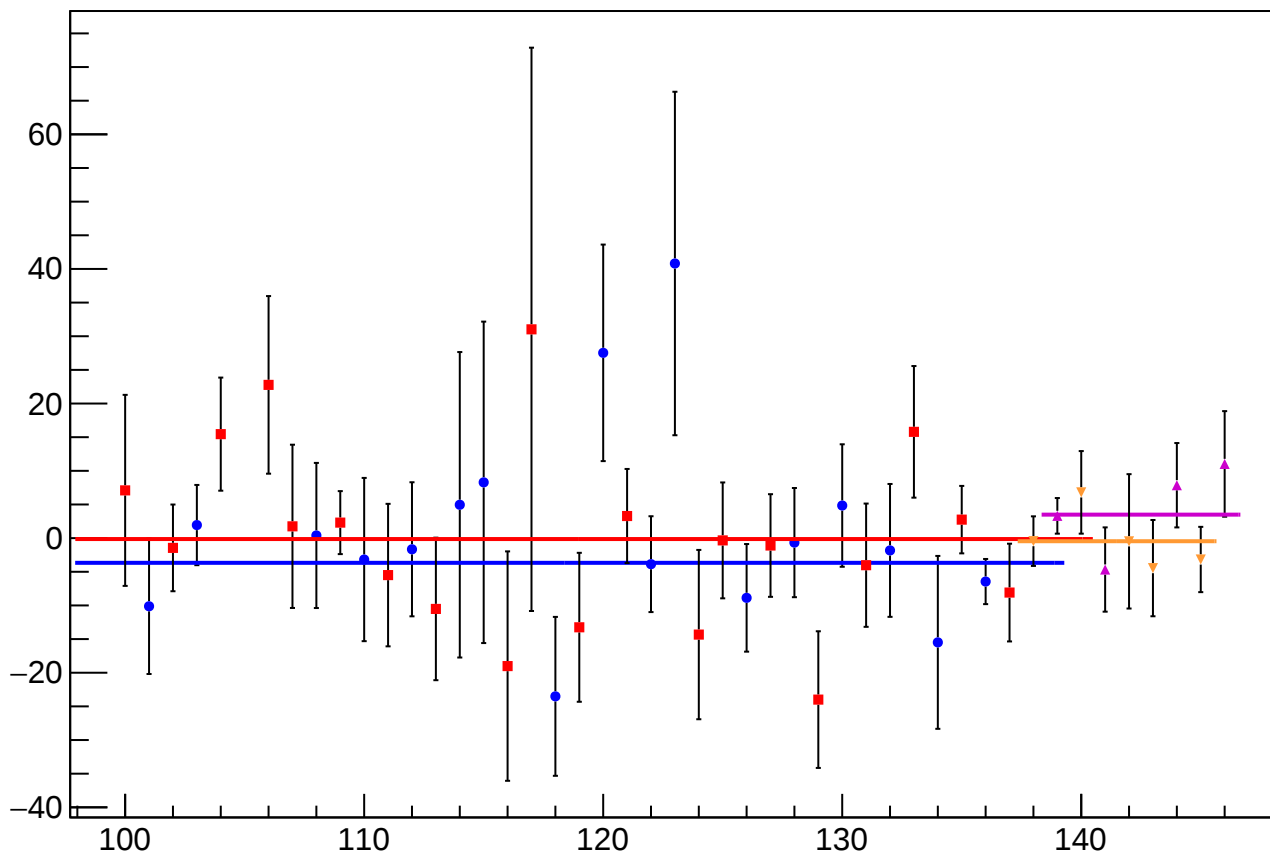
Left In: 27082.484 ± 10.732 χ^2/NDF : 88205.9/3

27800.299 ± 6.285 χ^2/NDF : 334605.6/21

28051.715 ± 4.432 χ^2/NDF : 561991.6/45

28300.333 ± 6.250 χ^2/NDF : 224203.0/23

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 $\pm$ 2.010 χ^2/NDF : 14.5/16

Left Out: -0.459 $\pm$ 2.409 χ^2/NDF : 2.0/4

Right Out: -0.135 $\pm$ 1.891 χ^2/NDF : 22.9/19

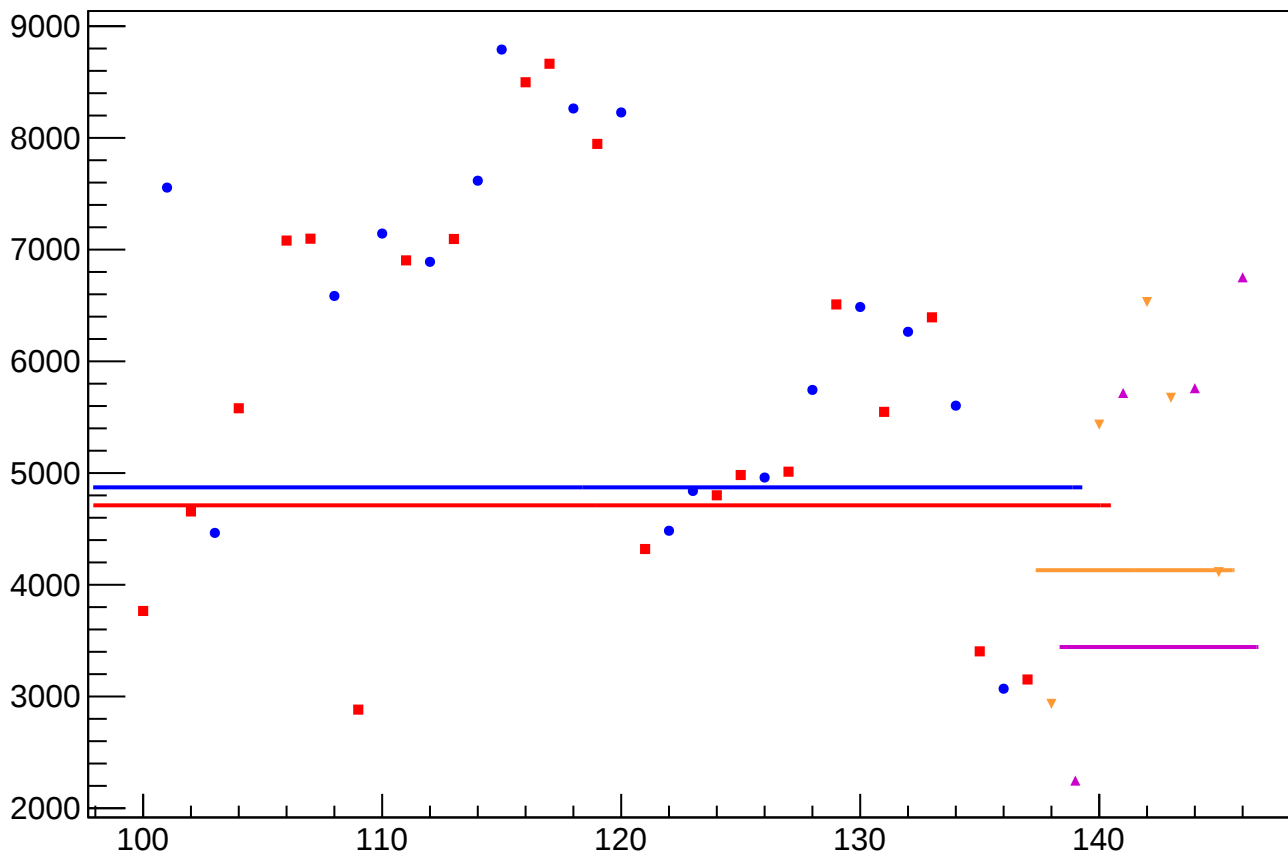
Left In: 3.491 $\pm$ 2.182 χ^2/NDF : 3.1/3

-2.351 $\pm$ 1.543 χ^2/NDF : 17.6/21

-0.321 $\pm$ 1.049 χ^2/NDF : 48.4/45

1.420 $\pm$ 1.429 χ^2/NDF : 27.6/23

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 $\pm$ 1.421 χ^2/NDF : 1405253.2/16

Left Out: 4130.440 $\pm$ 1.703 χ^2/NDF : 509855.0/4

Right Out: 4711.077 $\pm$ 1.337 χ^2/NDF : 1330595.4/19

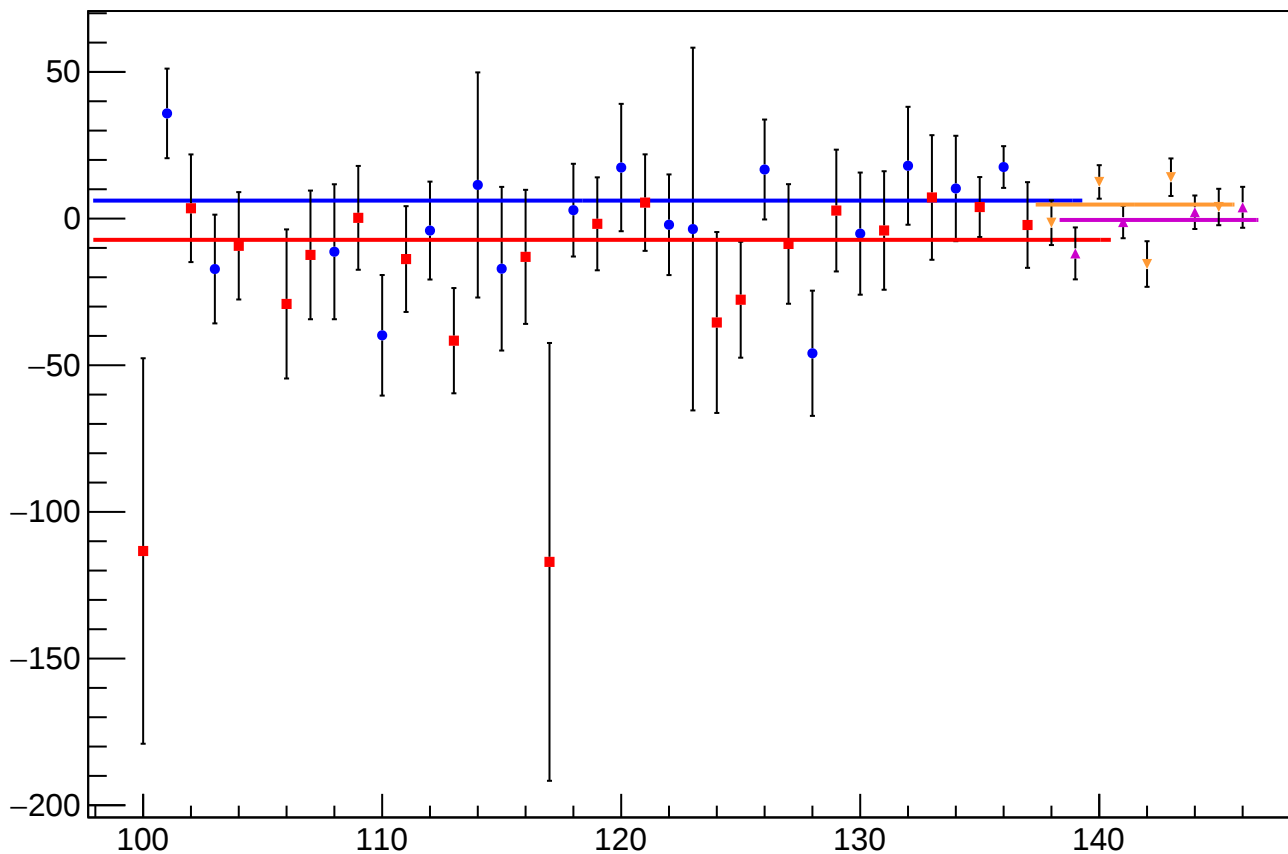
Left In: 3442.899 $\pm$ 1.543 χ^2/NDF : 1301101.2/3

4567.753 $\pm$ 1.091 χ^2/NDF : 2026877.6/21

4352.135 $\pm$ 0.741 χ^2/NDF : 5116912.7/45

4167.270 $\pm$ 1.010 χ^2/NDF : 3017521.2/23

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 $\pm$ 4.080 χ^2/NDF : 22.2/16

Left Out: 4.786 $\pm$ 2.952 χ^2/NDF : 11.4/4

Right Out: -7.243 $\pm$ 4.218 χ^2/NDF : 14.6/19

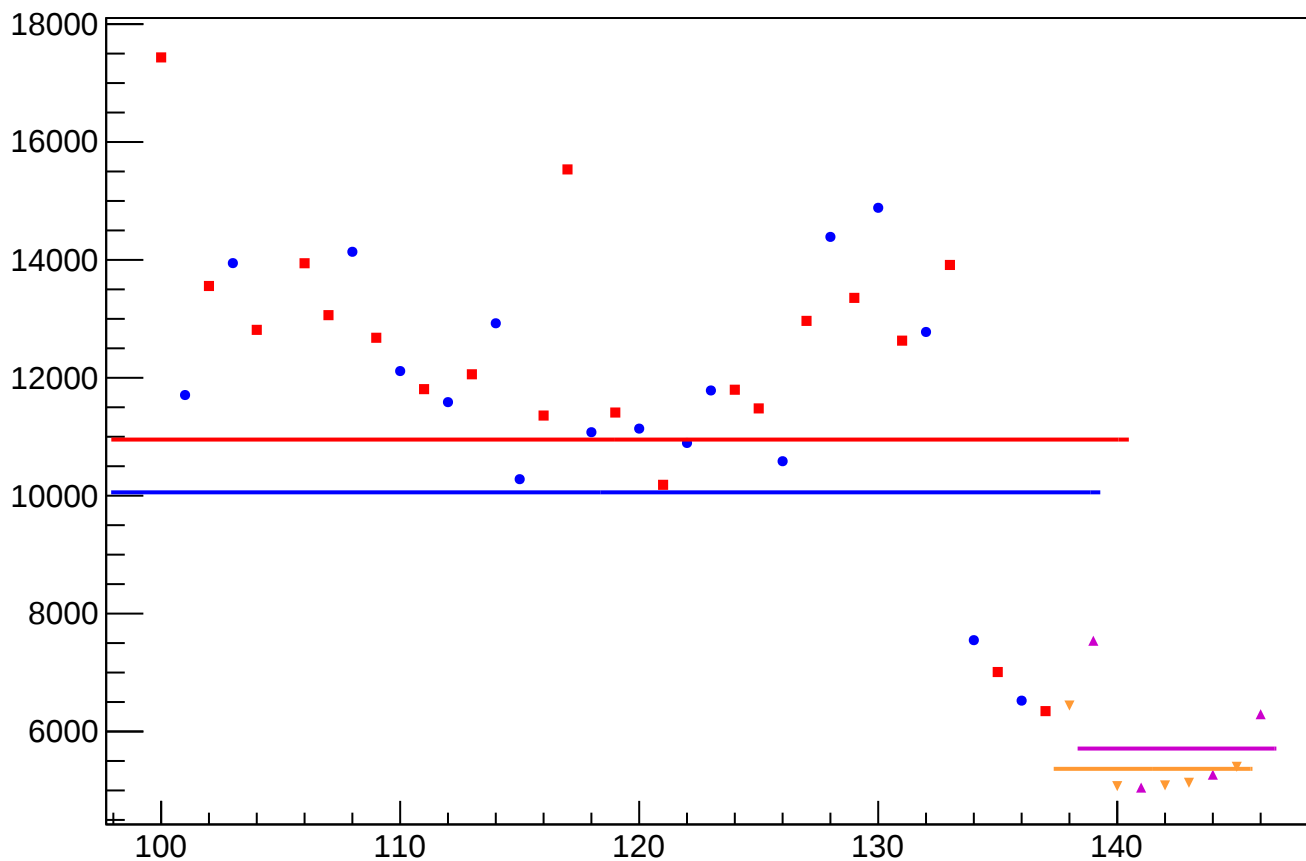
Left In: -0.462 $\pm$ 3.215 χ^2/NDF : 2.3/3

5.249 $\pm$ 2.392 χ^2/NDF : 33.7/21

1.421 $\pm$ 1.747 χ^2/NDF : 57.7/45

-2.954 $\pm$ 2.557 χ^2/NDF : 18.5/23

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5366.546 $\pm$ 2.087 χ^2 /NDF: 50471.9/4

Right Out: 10952.255 $\pm$ 2.982 χ^2 /NDF: 770474.3/19

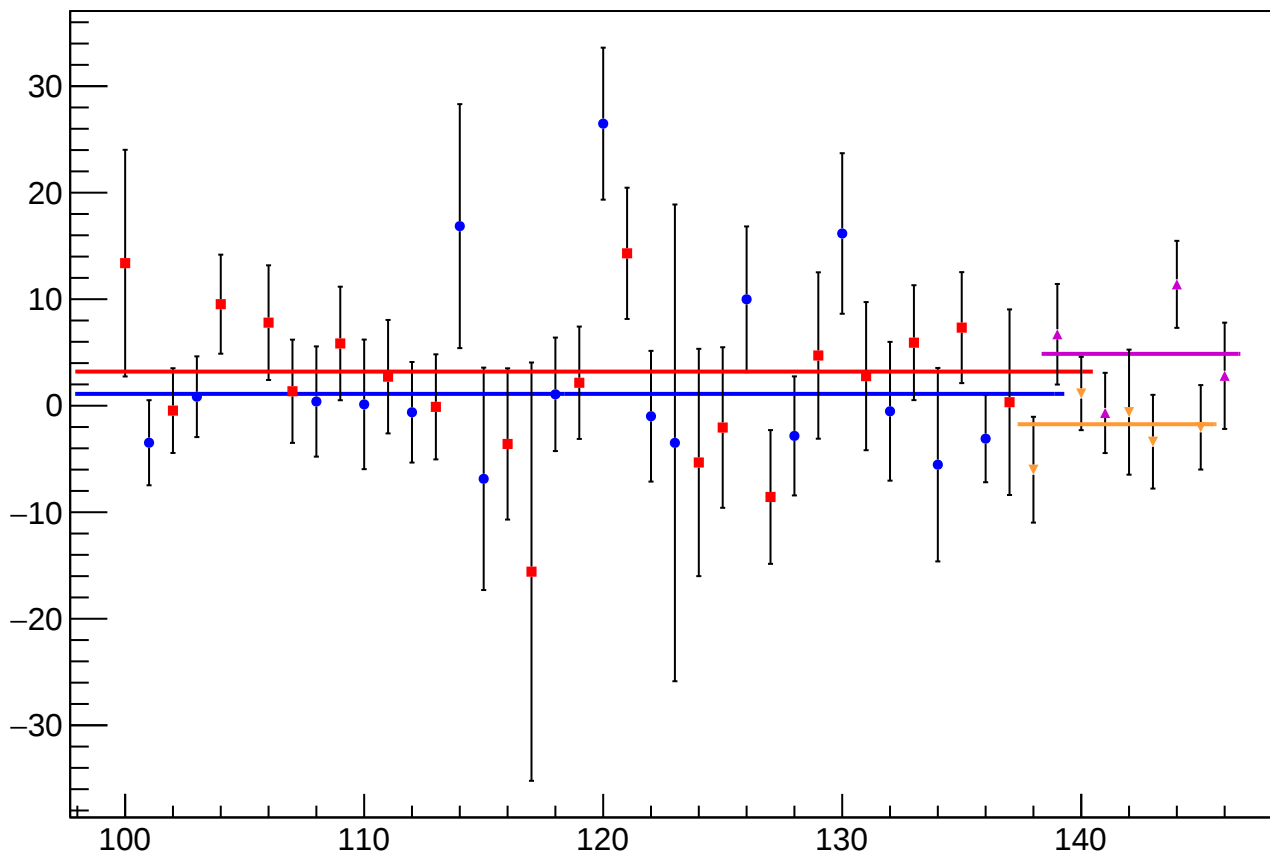
Left In: 5710.569 $\pm$ 2.273 χ^2 /NDF: 140076.3/3

6977.958 $\pm$ 1.691 χ^2 /NDF: 2788330.6/21

7285.370 $\pm$ 1.235 χ^2 /NDF: 5723650.1/45

7636.707 $\pm$ 1.808 χ^2 /NDF: 2864506.1/23

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 $\pm$ 1.403 χ^2/NDF : 24.6/16

Left Out: -1.737 $\pm$ 1.927 χ^2/NDF : 1.6/4

Right Out: 3.204 $\pm$ 1.331 χ^2/NDF : 16.0/19

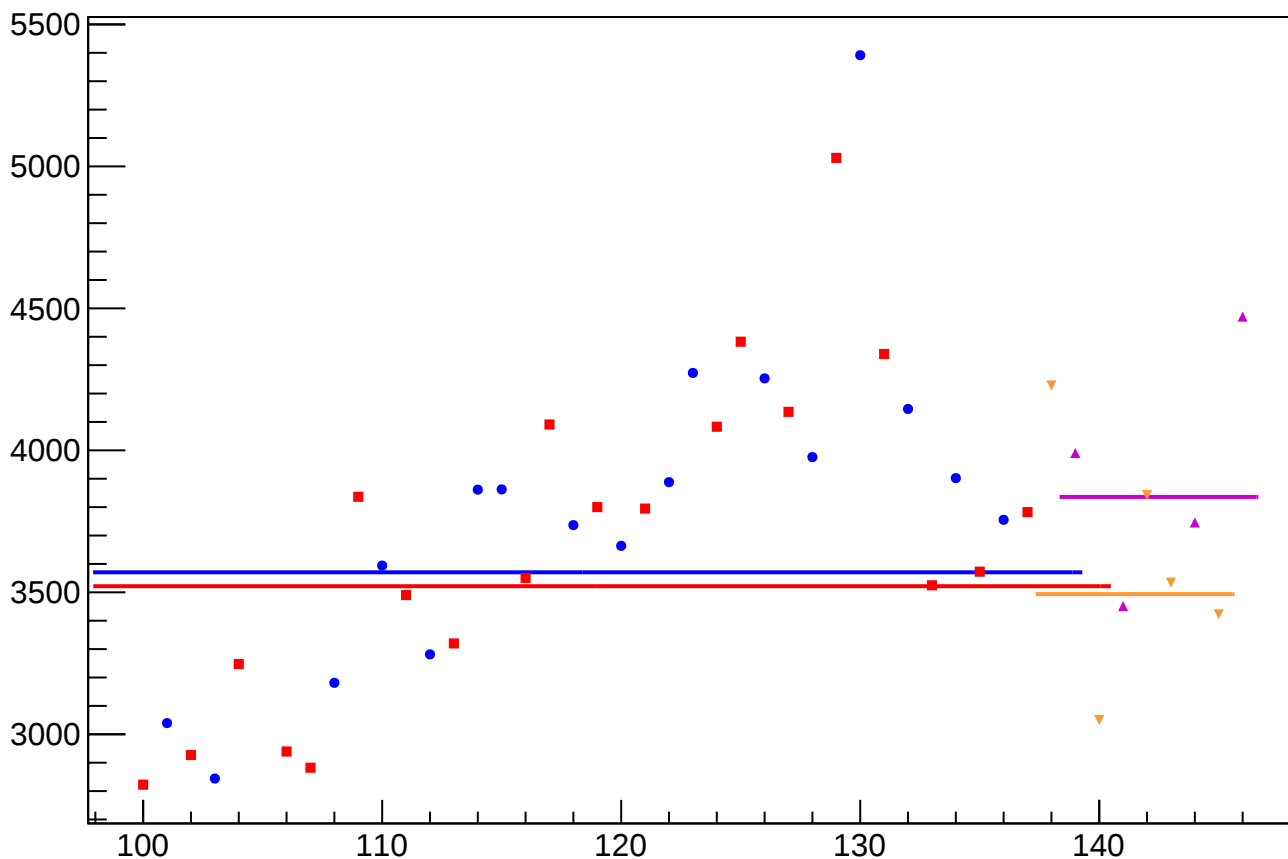
Left In: 4.868 $\pm$ 2.154 χ^2/NDF : 5.0/3

0.125 $\pm$ 1.134 χ^2/NDF : 27.7/21

1.898 $\pm$ 0.801 χ^2/NDF : 54.0/45

3.663 $\pm$ 1.132 χ^2/NDF : 21.5/23

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481 ± 0.992 χ^2/NDF : 309699.2/16

Left Out: 3493.749 ± 1.363 χ^2/NDF : 84858.7/4

Right Out: 3521.513 ± 0.941 χ^2/NDF : 295082.3/19

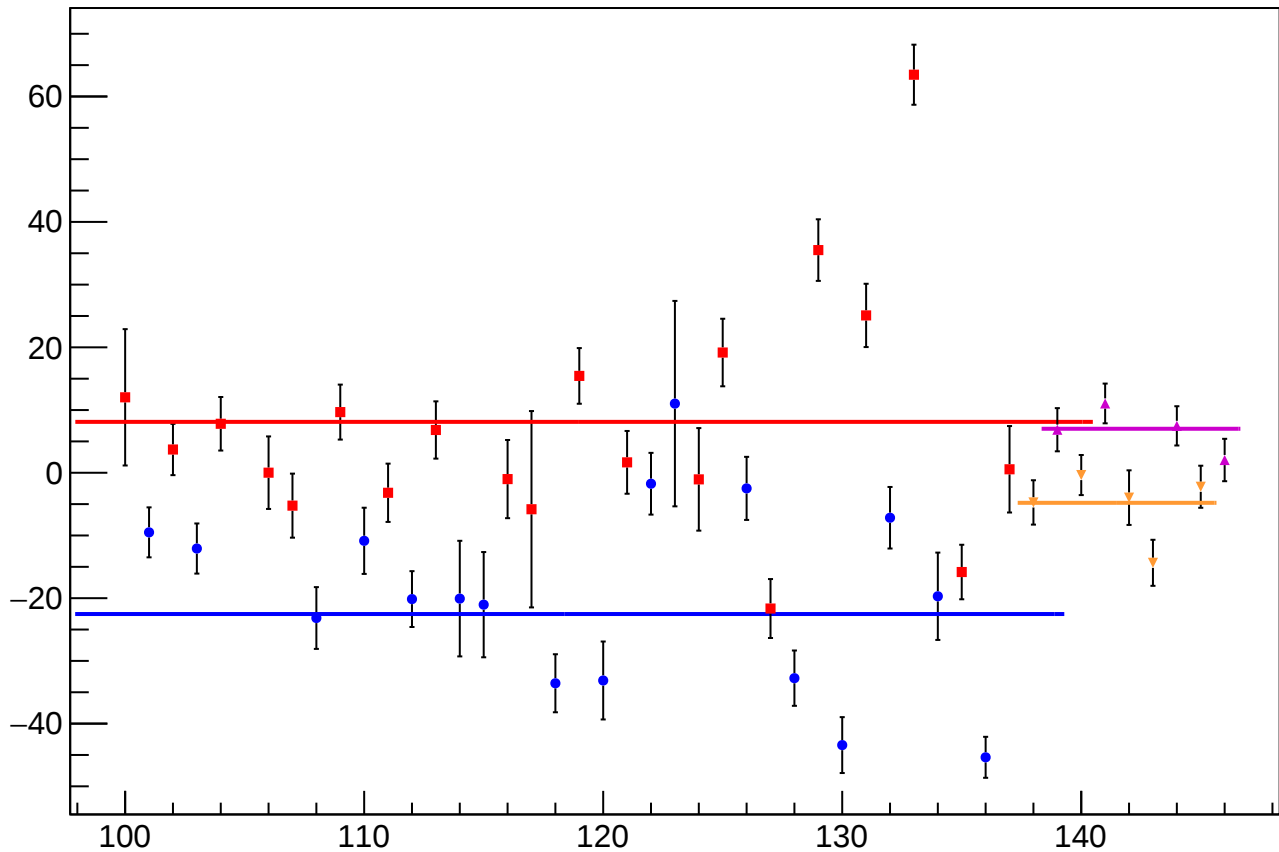
Left In: 3835.958 ± 1.523 χ^2/NDF : 56347.8/3

3543.904 ± 0.802 χ^2/NDF : 396630.4/21

3576.177 ± 0.567 χ^2/NDF : 782134.3/45

3608.331 ± 0.800 χ^2/NDF : 382271.0/23

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 $\pm$ 1.201 χ^2/NDF : 155.5/16

Left Out: -4.793 $\pm$ 1.594 χ^2/NDF : 9.3/4

Right Out: 8.116 $\pm$ 1.154 χ^2/NDF : 276.6/19

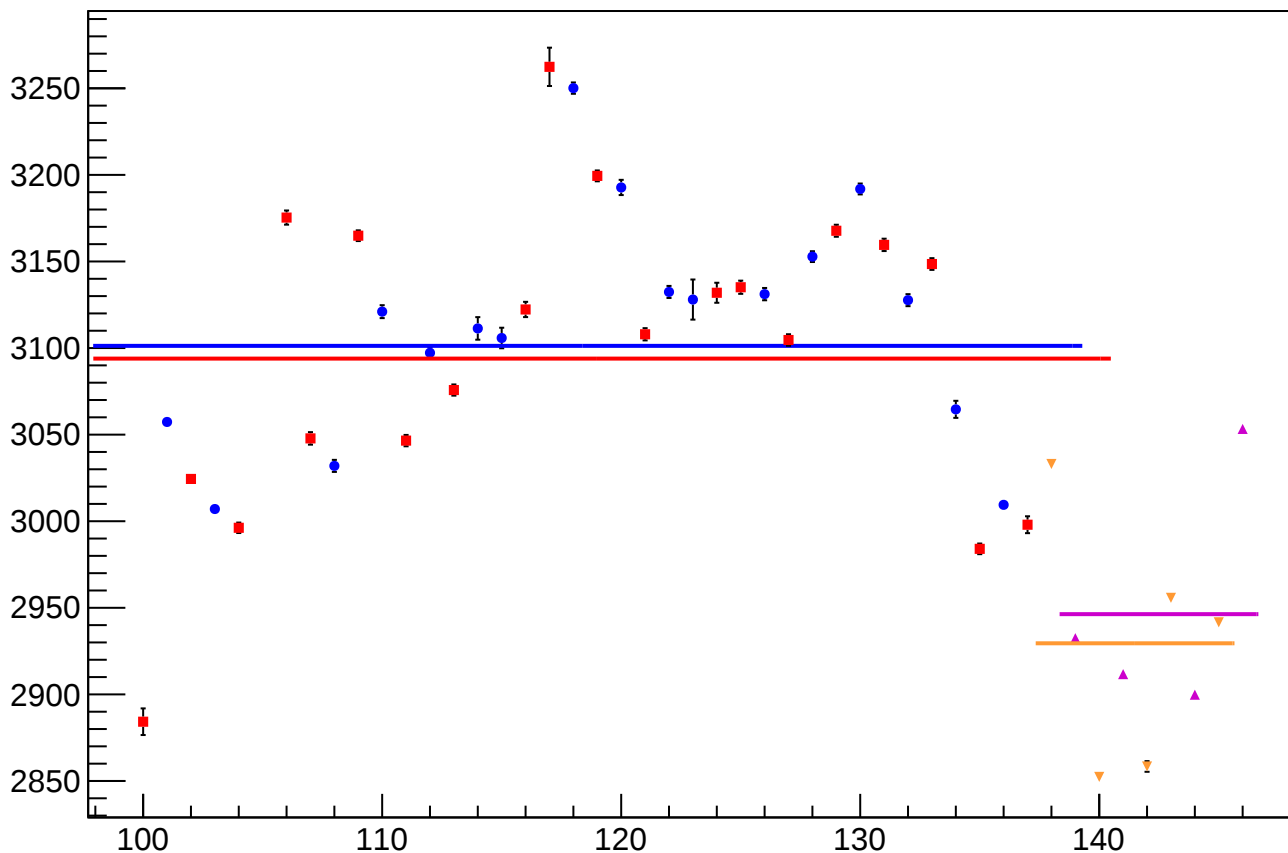
Left In: 7.016 $\pm$ 1.636 χ^2/NDF : 3.8/3

-16.106 $\pm$ 0.959 χ^2/NDF : 243.8/21

-3.977 $\pm$ 0.672 χ^2/NDF : 839.3/45

7.750 $\pm$ 0.943 χ^2/NDF : 280.8/23

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 $\pm$ 0.849 χ^2 /NDF: 7233.8/16

Left Out: 2929.505 $\pm$ 1.127 χ^2 /NDF: 3541.9/4

Right Out: 3093.913 $\pm$ 0.816 χ^2 /NDF: 7998.9/19

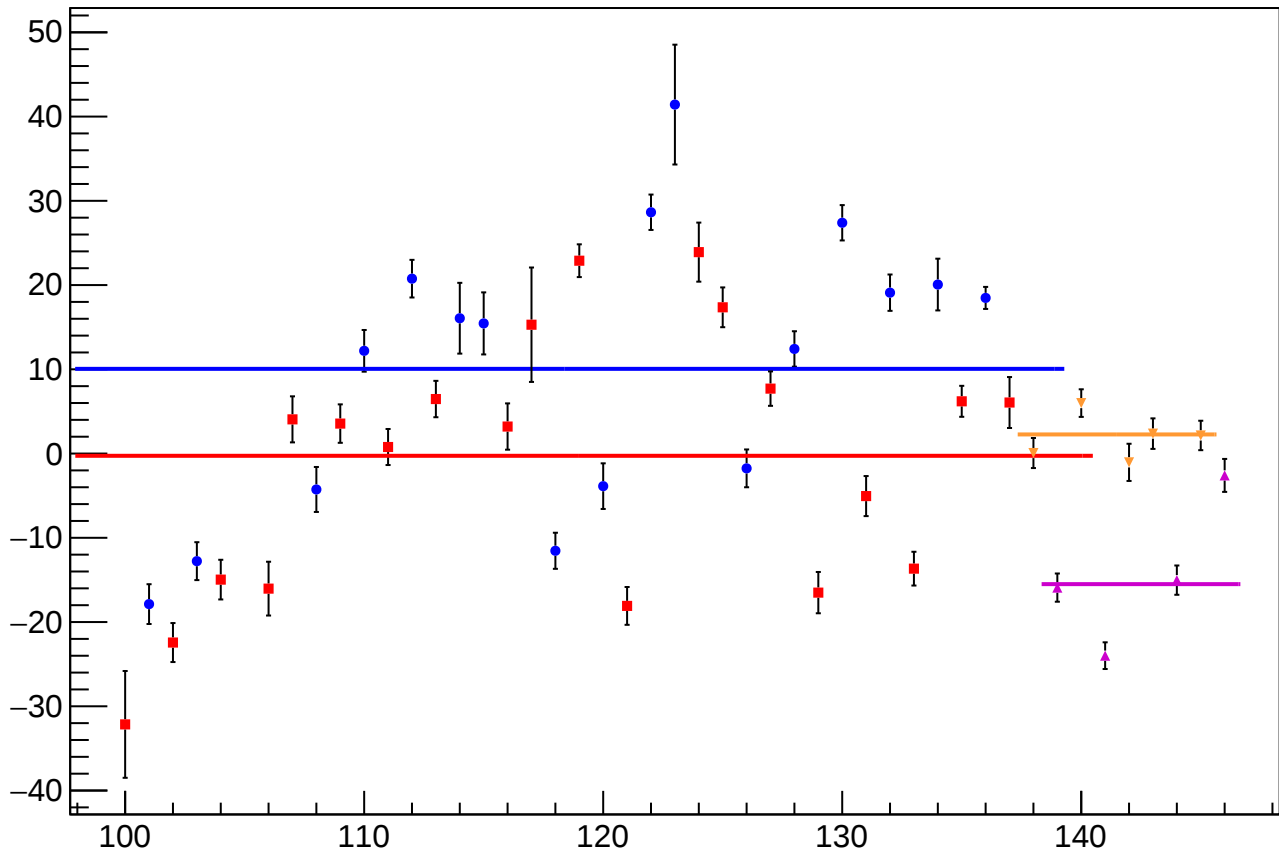
Left In: 2946.339 $\pm$ 1.157 χ^2 /NDF: 2717.2/3

3039.085 $\pm$ 0.678 χ^2 /NDF: 25597.8/21

3042.040 $\pm$ 0.475 χ^2 /NDF: 47219.6/45

3044.897 $\pm$ 0.667 χ^2 /NDF: 21584.5/23

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 $\chi^2/\text{NDF}: 692.2/16$

Left Out: 2.269 ± 0.810 $\chi^2/\text{NDF}: 8.9/4$

Right Out: -0.266 ± 0.545 $\chi^2/\text{NDF}: 635.1/19$

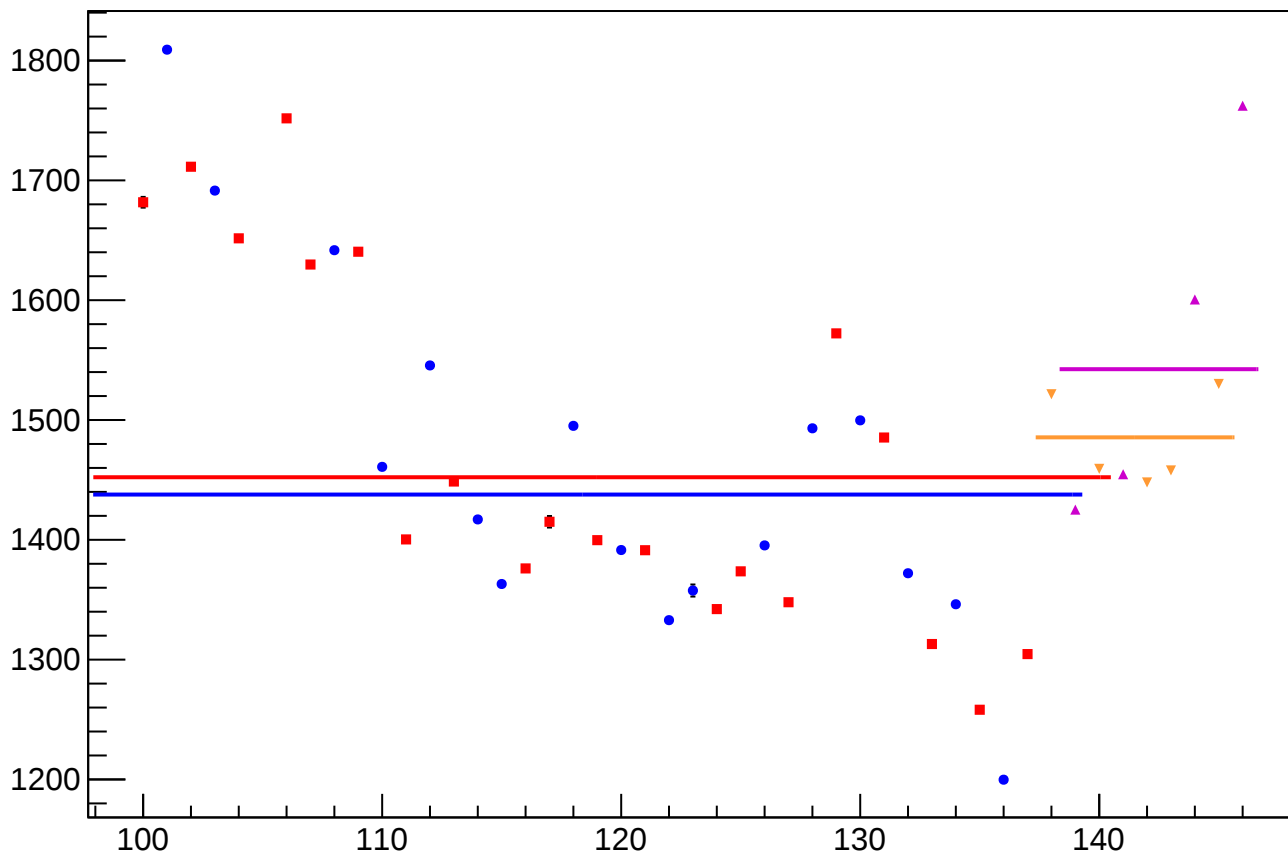
Left In: -15.500 ± 0.862 $\chi^2/\text{NDF}: 72.4/3$

7.527 ± 0.462 $\chi^2/\text{NDF}: 763.6/21$

1.442 ± 0.326 $\chi^2/\text{NDF}: 2041.4/45$

-4.623 ± 0.461 $\chi^2/\text{NDF}: 930.7/23$

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2/NDF : 173216.2/16

Left Out: 1485.520 $\pm$ 0.573 χ^2/NDF : 3676.0/4

Right Out: 1452.227 $\pm$ 0.386 χ^2/NDF : 138666.1/19

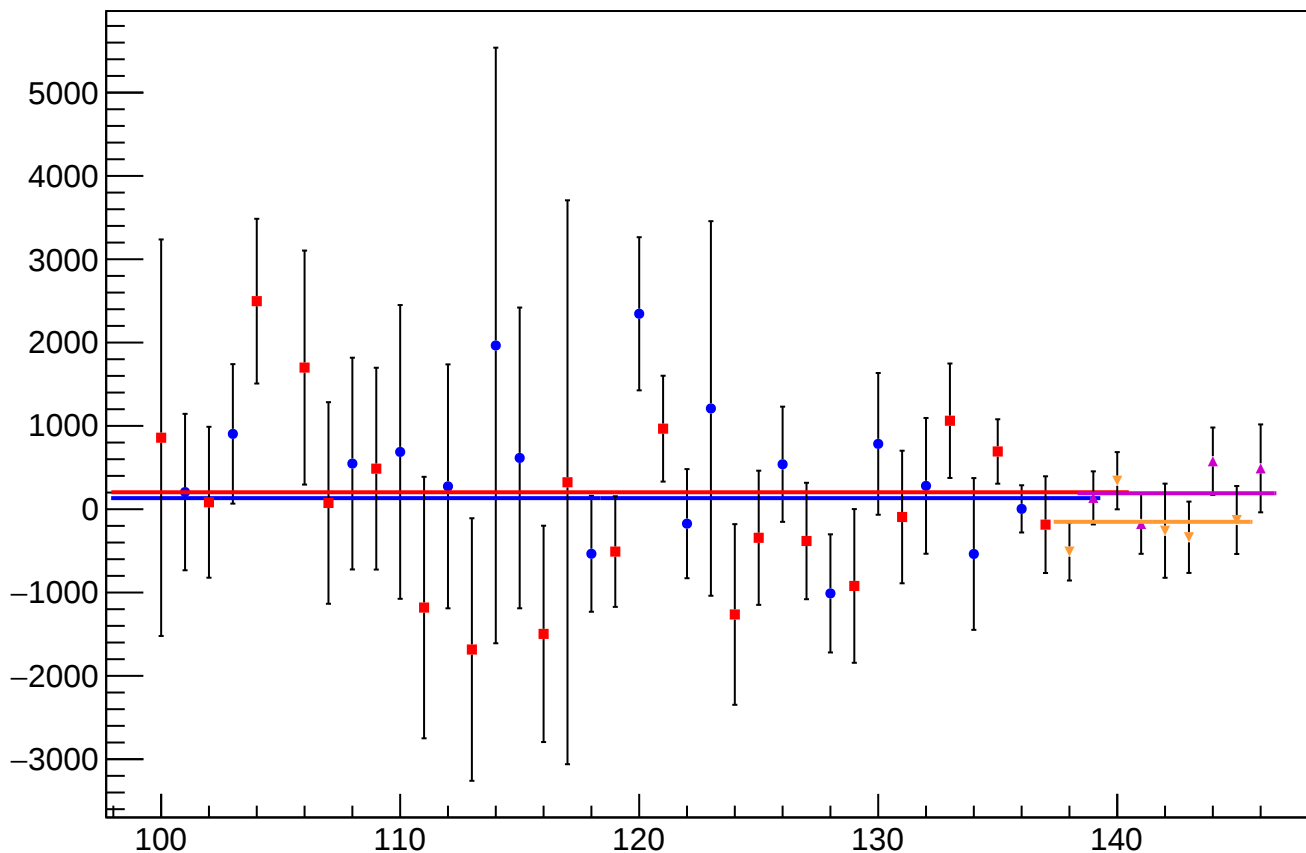
Left In: 1542.414 $\pm$ 0.609 χ^2/NDF : 43434.6/3

1453.279 $\pm$ 0.326 χ^2/NDF : 181584.8/21

1465.670 $\pm$ 0.231 χ^2/NDF : 382211.3/45

1478.019 $\pm$ 0.326 χ^2/NDF : 197748.1/23

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -151.260 $\pm$ 178.464 χ^2 /NDF: 3.4/4

Right Out: 203.418 $\pm$ 184.080 χ^2 /NDF: 21.4/19

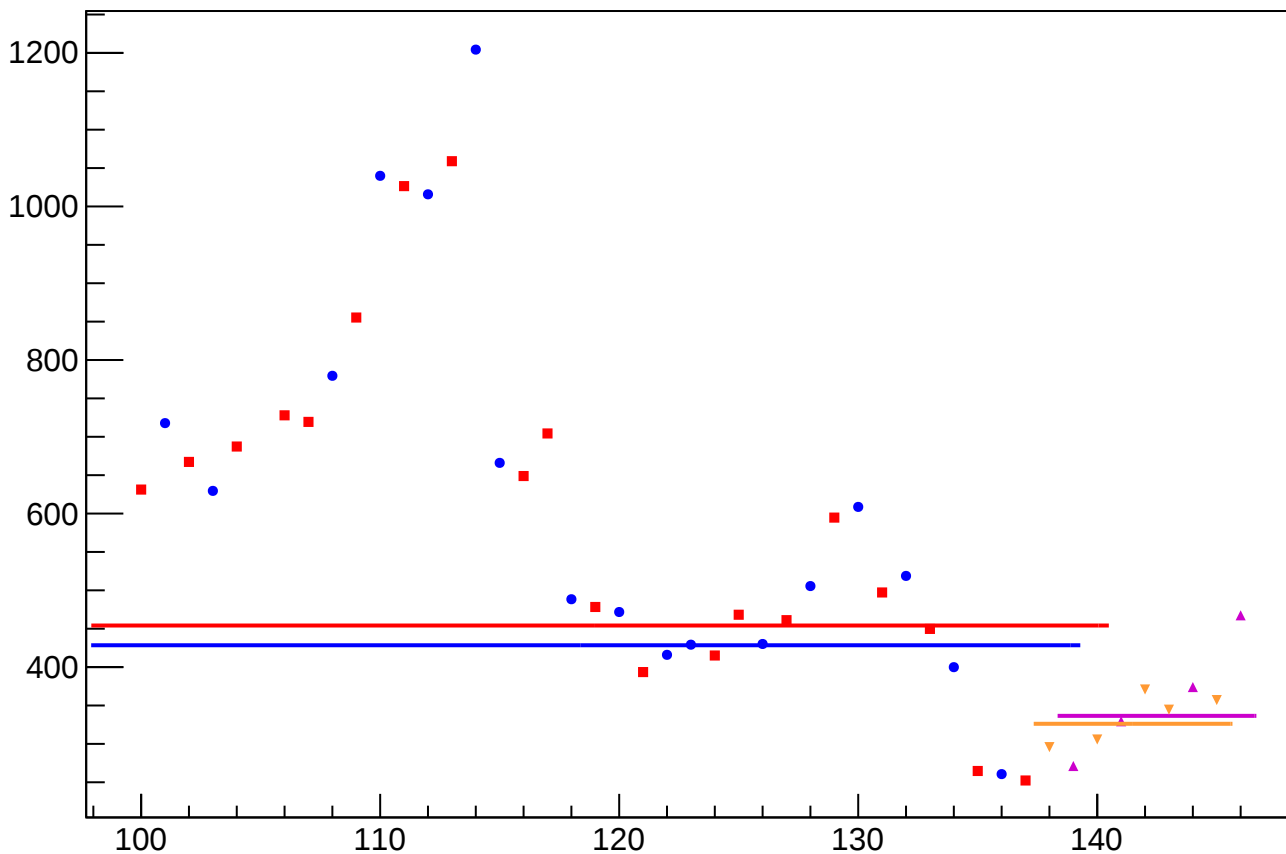
Left In: 191.655 $\pm$ 191.330 χ^2 /NDF: 2.3/3

-10.601 $\pm$ 126.827 χ^2 /NDF: 17.5/21

88.905 $\pm$ 91.671 χ^2 /NDF: 42.5/45

197.764 $\pm$ 132.653 χ^2 /NDF: 23.7/23

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2/NDF : 2011453.8/16

Left Out: 326.170 $\pm$ 0.126 χ^2/NDF : 50124.8/4

Right Out: 454.177 $\pm$ 0.130 χ^2/NDF : 2040775.1/19

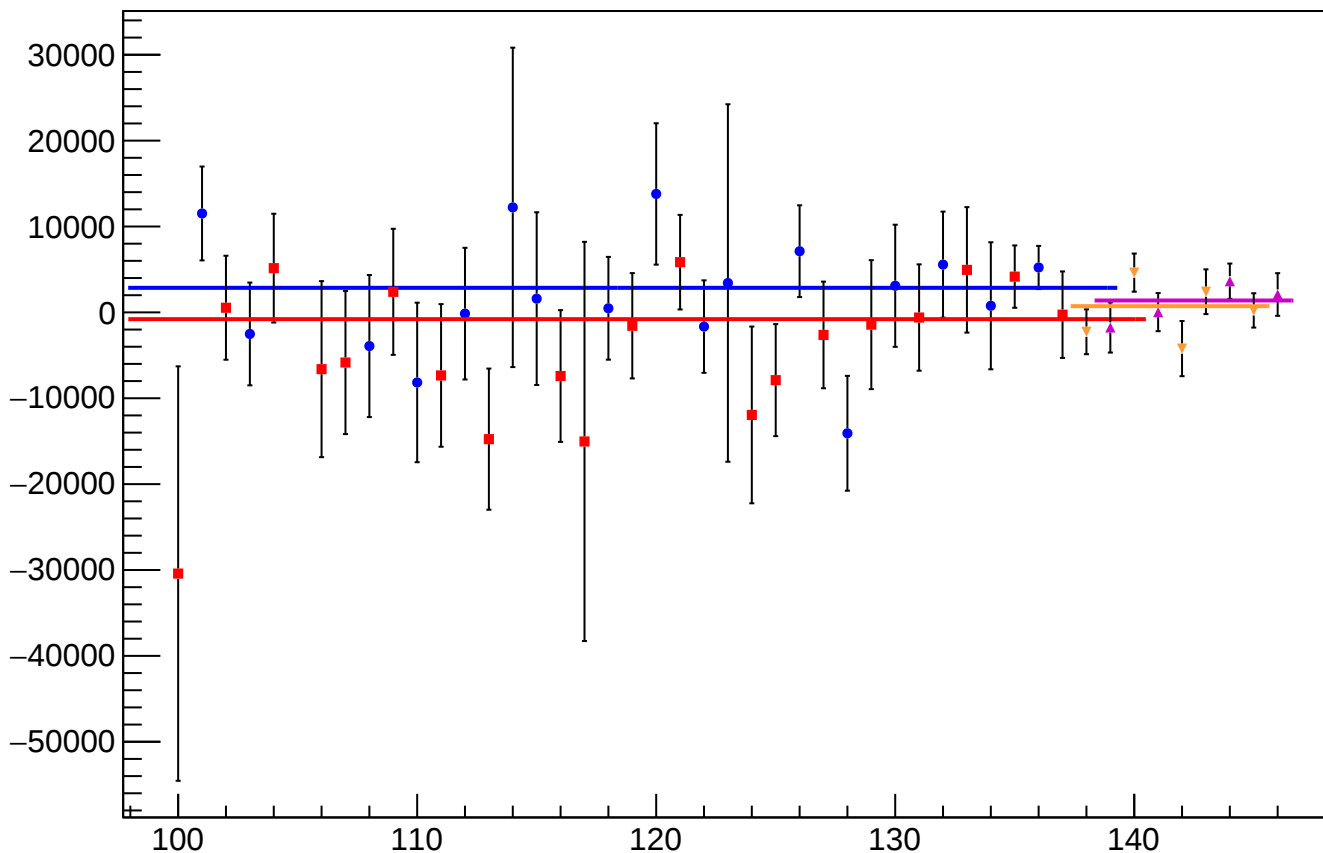
Left In: 336.512 $\pm$ 0.135 χ^2/NDF : 225249.8/3

376.800 $\pm$ 0.090 χ^2/NDF : 2386792.9/21

386.741 $\pm$ 0.065 χ^2/NDF : 5071358.1/45

397.616 $\pm$ 0.094 χ^2/NDF : 2658834.7/23

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 723.298 $\pm$ 1088.463 χ^2 /NDF: 7.2/4

Right Out: -789.608 $\pm$ 1506.053 χ^2 /NDF: 14.4/19

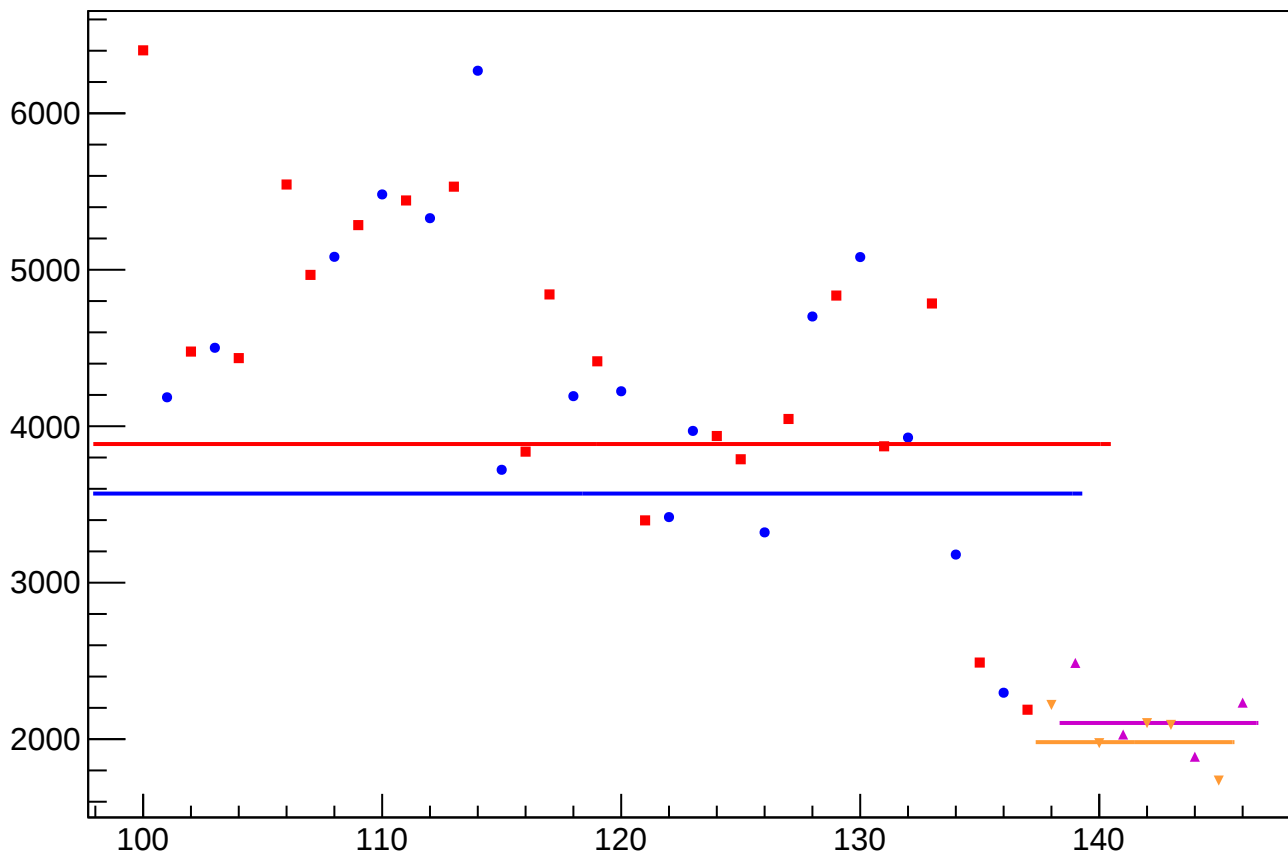
Left In: 1384.948 $\pm$ 1178.614 χ^2 /NDF: 2.8/3

1494.685 $\pm$ 870.034 χ^2 /NDF: 25.3/21

1057.066 $\pm$ 634.767 χ^2 /NDF: 44.3/45

559.005 $\pm$ 928.175 χ^2 /NDF: 18.5/23

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 $\pm$ 1.024 χ^2/NDF : 1087935.4/16

Left Out: 1980.830 $\pm$ 0.770 χ^2/NDF : 53229.6/4

Right Out: 3886.199 $\pm$ 1.065 χ^2/NDF : 986485.7/19

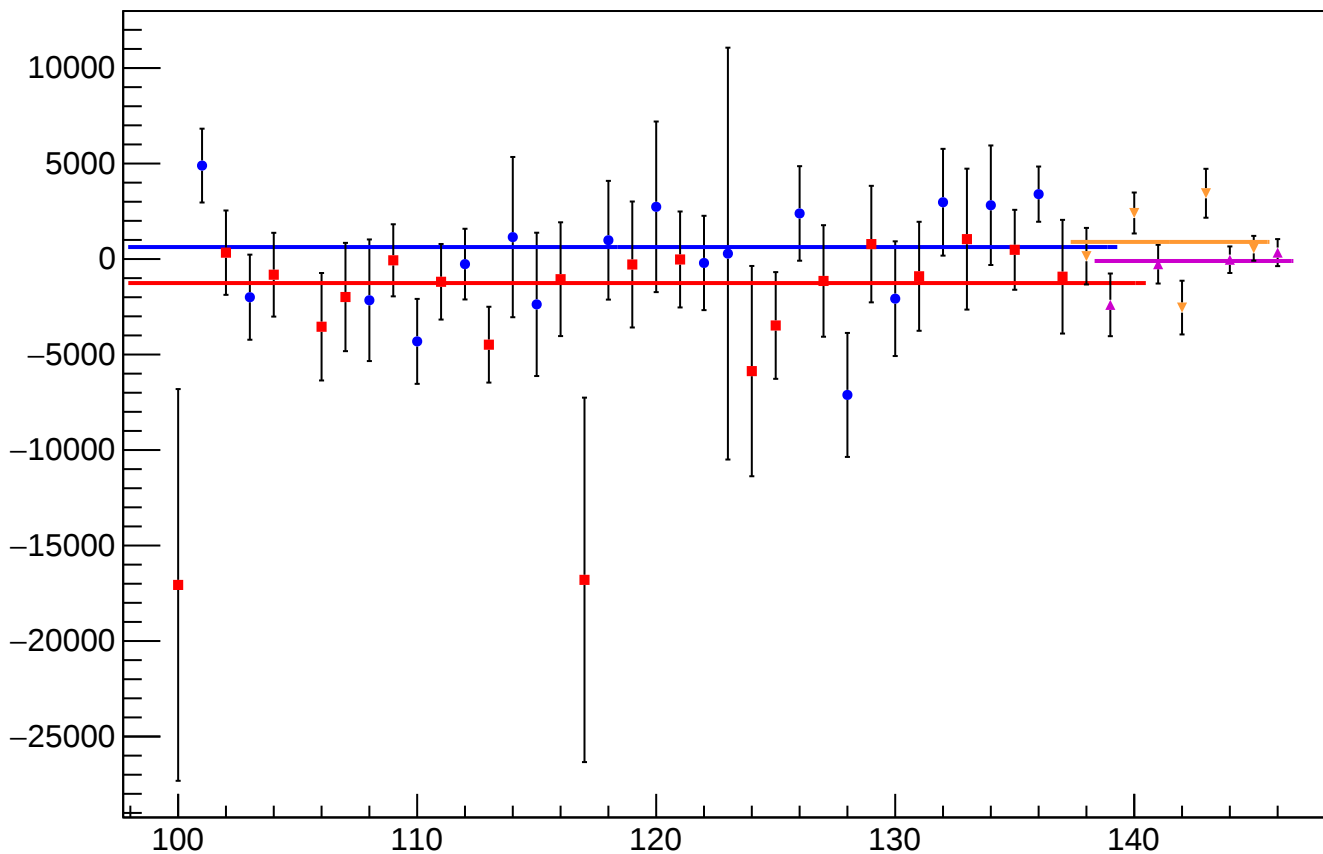
Left In: 2103.365 $\pm$ 0.833 χ^2/NDF : 64289.3/3

2554.517 $\pm$ 0.615 χ^2/NDF : 2679841.8/21

2660.220 $\pm$ 0.449 χ^2/NDF : 5531891.8/45

2780.524 $\pm$ 0.656 χ^2/NDF : 2788929.4/23

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 $\pm$ 620.929 χ^2/NDF : 25.1/16

Left Out: 896.376 $\pm$ 456.073 χ^2/NDF : 12.4/4

Right Out: -1257.467 $\pm$ 601.857 χ^2/NDF : 12.6/19

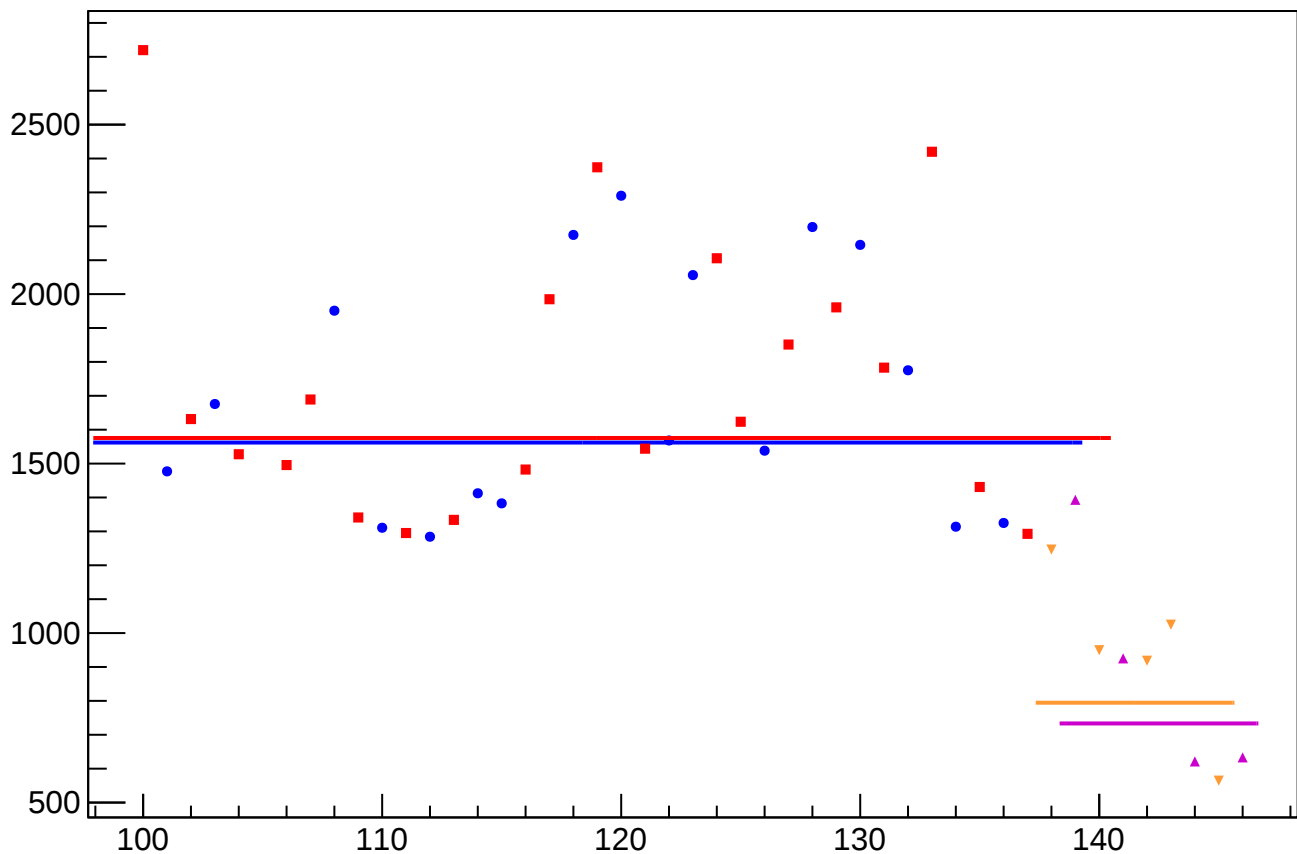
Left In: -101.980 $\pm$ 429.820 χ^2/NDF : 2.4/3

802.206 $\pm$ 367.575 χ^2/NDF : 37.6/21

122.885 $\pm$ 253.389 χ^2/NDF : 61.5/45

-492.254 $\pm$ 349.780 χ^2/NDF : 17.4/23

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 ± 0.439 $\chi^2/\text{NDF}: 482088.3/16$

Left Out: 794.605 ± 0.322 $\chi^2/\text{NDF}: 558466.5/4$

Right Out: 1575.541 ± 0.426 $\chi^2/\text{NDF}: 467687.2/19$

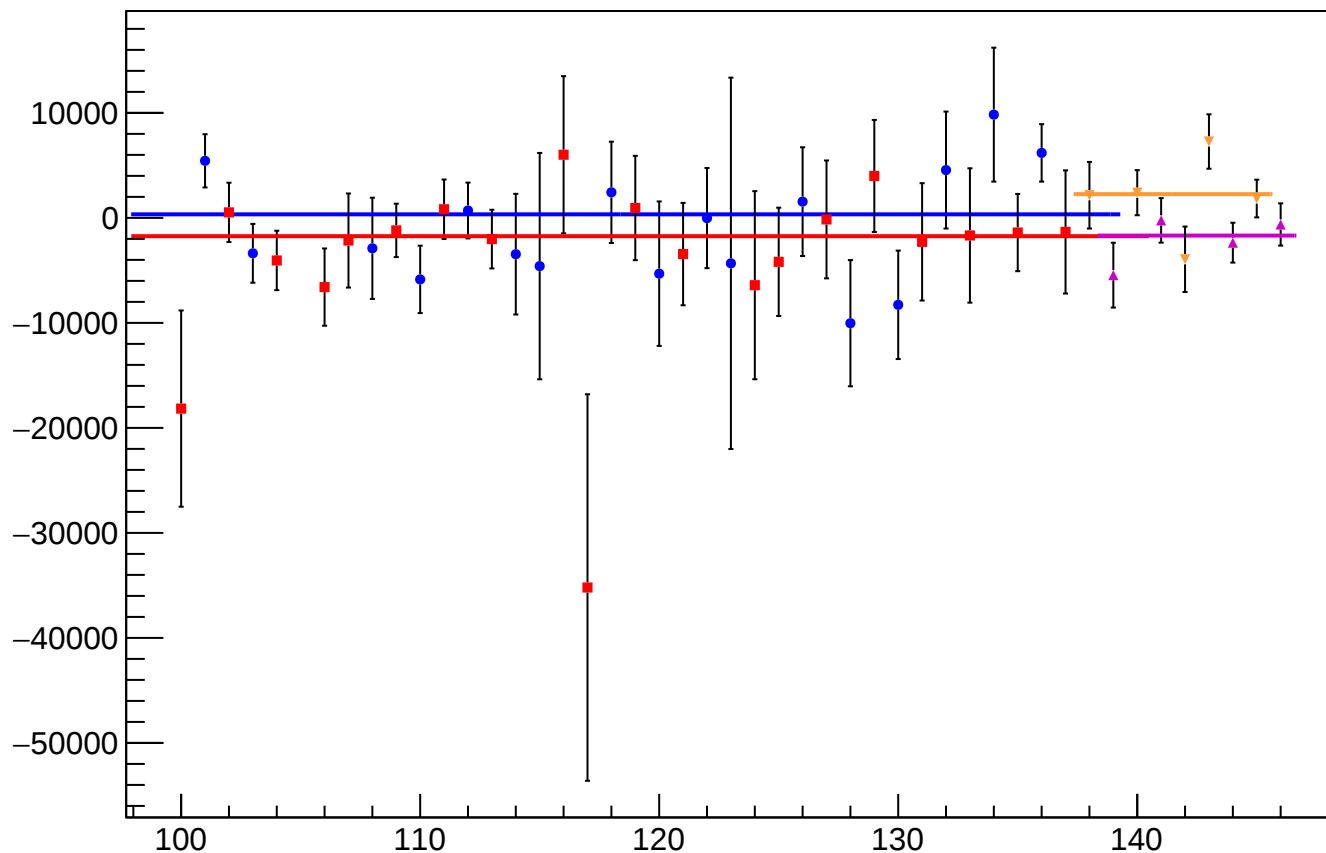
Left In: 733.364 ± 0.304 $\chi^2/\text{NDF}: 487203.2/3$

1063.563 ± 0.260 $\chi^2/\text{NDF}: 3025374.1/21$

1039.555 ± 0.179 $\chi^2/\text{NDF}: 6589914.3/45$

1017.816 ± 0.247 $\chi^2/\text{NDF}: 3548282.8/23$

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 2260.327 $\pm$ 1066.753 χ^2 /NDF: 7.8/4

Right Out: -1742.470 $\pm$ 923.289 χ^2 /NDF: 13.6/19

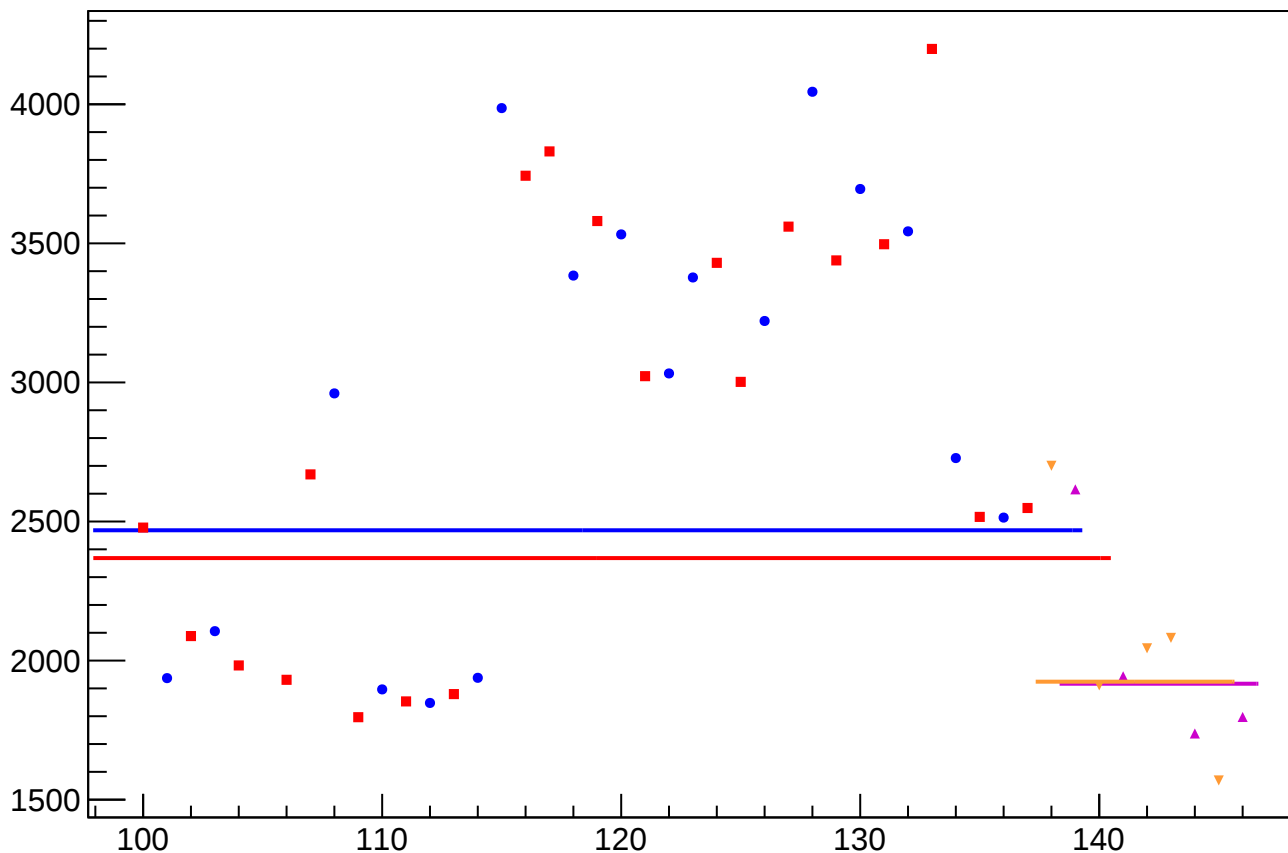
Left In: -1684.774 $\pm$ 1082.848 χ^2 /NDF: 2.4/3

1233.216 $\pm$ 727.945 χ^2 /NDF: 34.3/21

-294.818 $\pm$ 505.525 χ^2 /NDF: 58.7/45

-1718.182 $\pm$ 702.571 χ^2 /NDF: 15.9/23

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 1924.172+/-0.754 χ^2/NDF : 208567.0/4

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

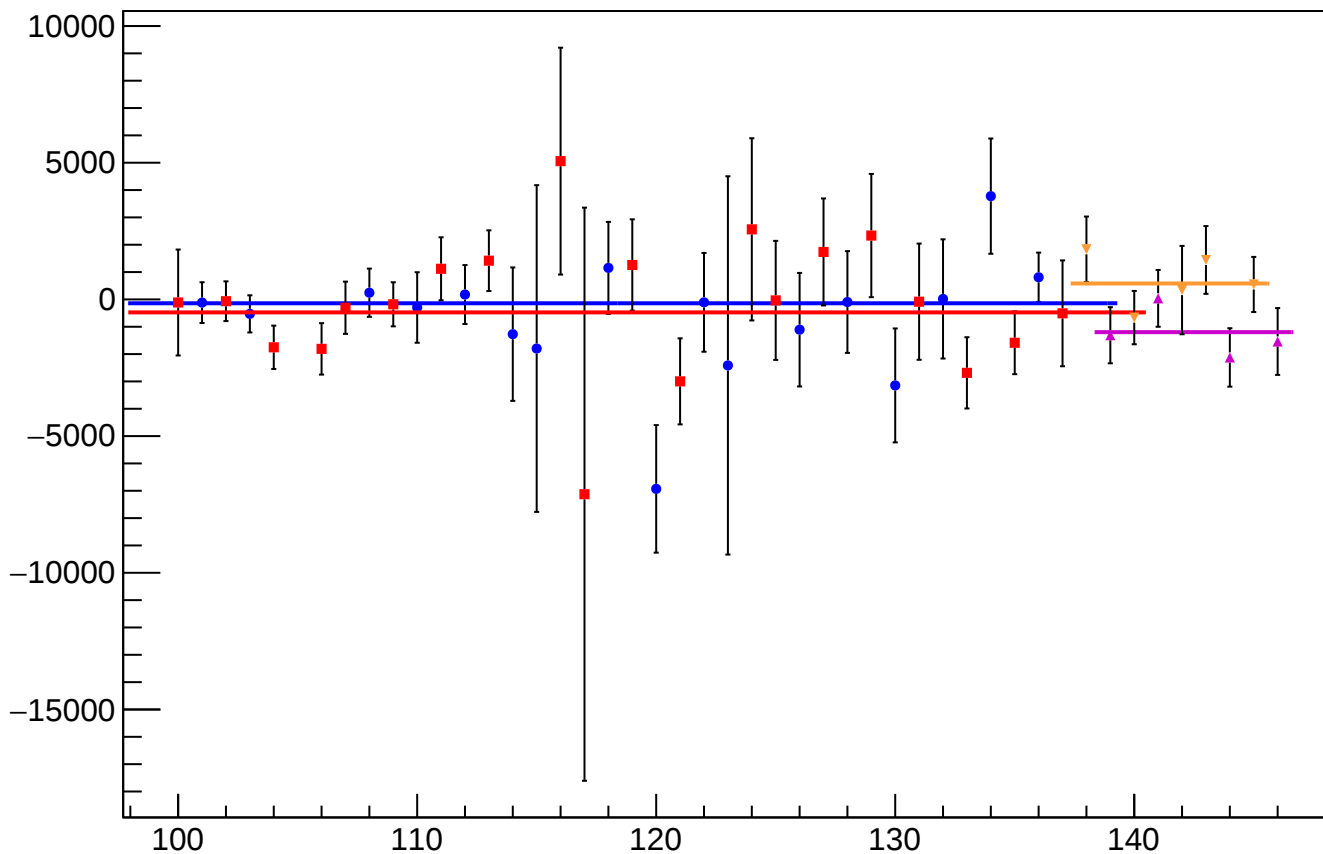
Left In: 1916.824+/-0.766 χ^2/NDF : 127596.0/3

2215.022+/-0.515 χ^2/NDF : 1382962.4/21

2196.047+/-0.357 χ^2/NDF : 2752504.4/45

2178.373+/-0.497 χ^2/NDF : 1366917.4/23

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 581.782+/-515.199 χ^2/NDF : 3.2/4

Right Out: -474.987+/-282.789 χ^2/NDF : 23.3/19

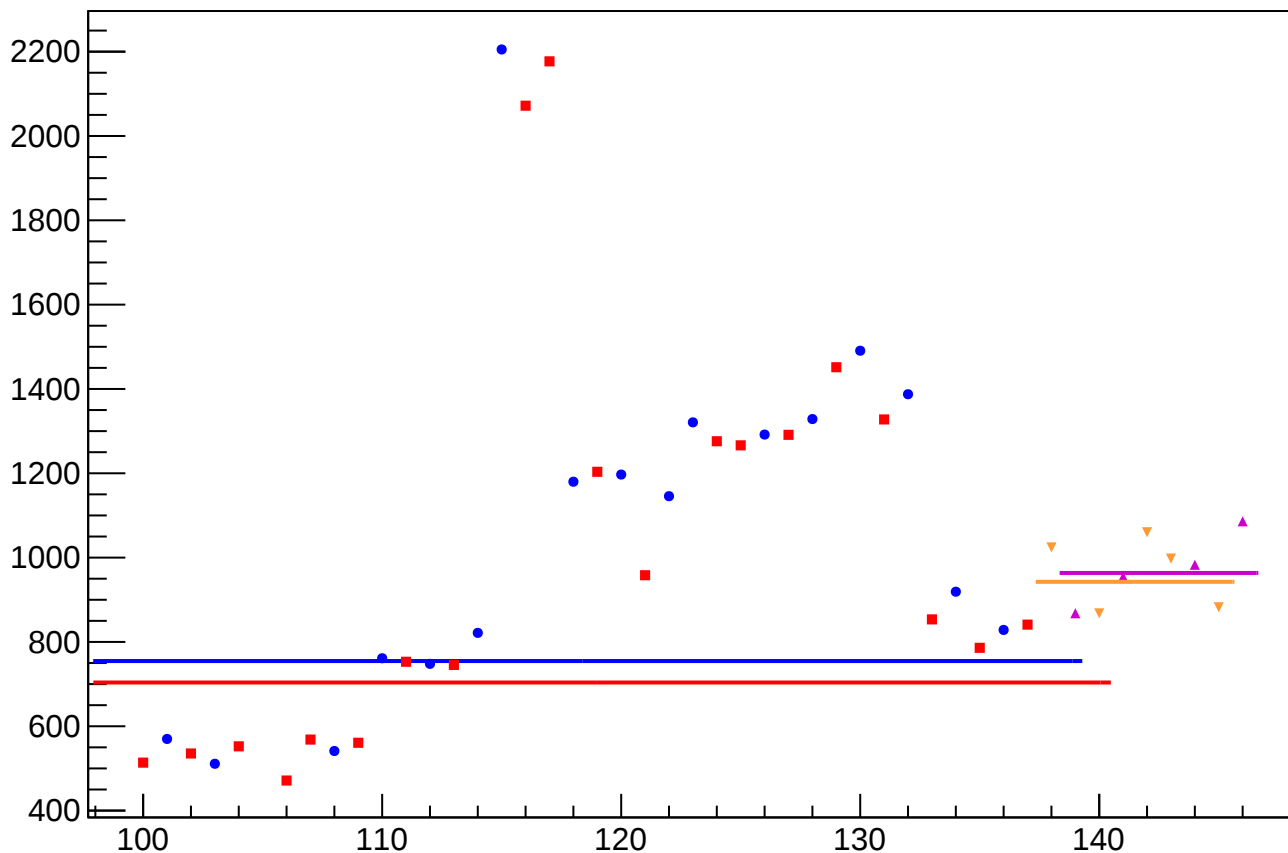
Left In: -1197.712+/-540.794 χ^2/NDF : 2.3/3

53.990+/-267.701 χ^2/NDF : 21.6/21

-310.647+/-182.946 χ^2/NDF : 52.1/45

-630.175+/-250.596 χ^2/NDF : 27.0/23

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2/NDF : 1690621.2/16

Left Out: 942.591 $\pm$ 0.364 χ^2/NDF : 42797.7/4

Right Out: 703.794 $\pm$ 0.200 χ^2/NDF : 1731134.6/19

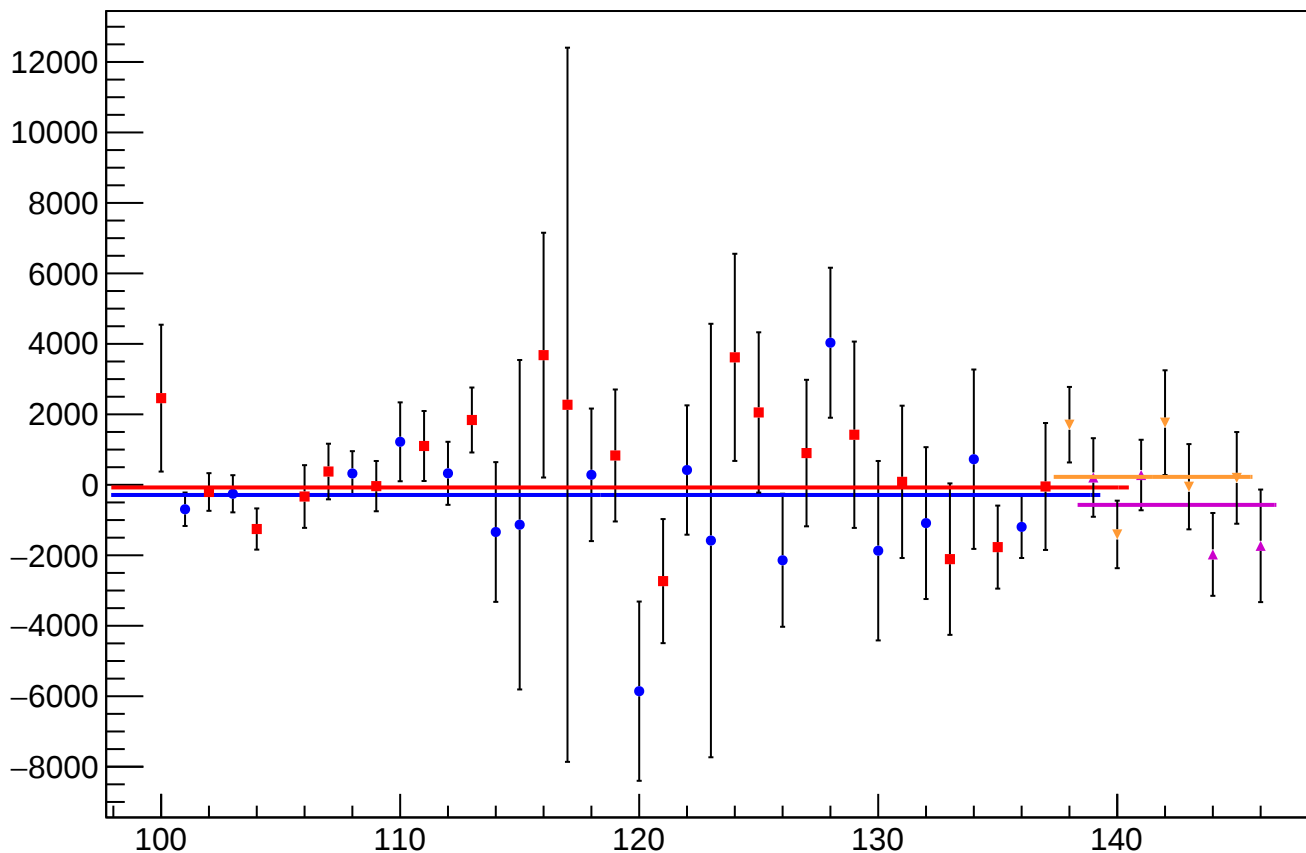
Left In: 963.622 $\pm$ 0.382 χ^2/NDF : 38206.6/3

805.417 $\pm$ 0.189 χ^2/NDF : 1927639.2/21

780.991 $\pm$ 0.129 χ^2/NDF : 4090765.2/45

759.586 $\pm$ 0.177 χ^2/NDF : 2131882.8/23

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: 225.358+/-520.808 χ^2/NDF : 5.9/4

Right Out: -74.735+/-246.011 χ^2/NDF : 21.4/19

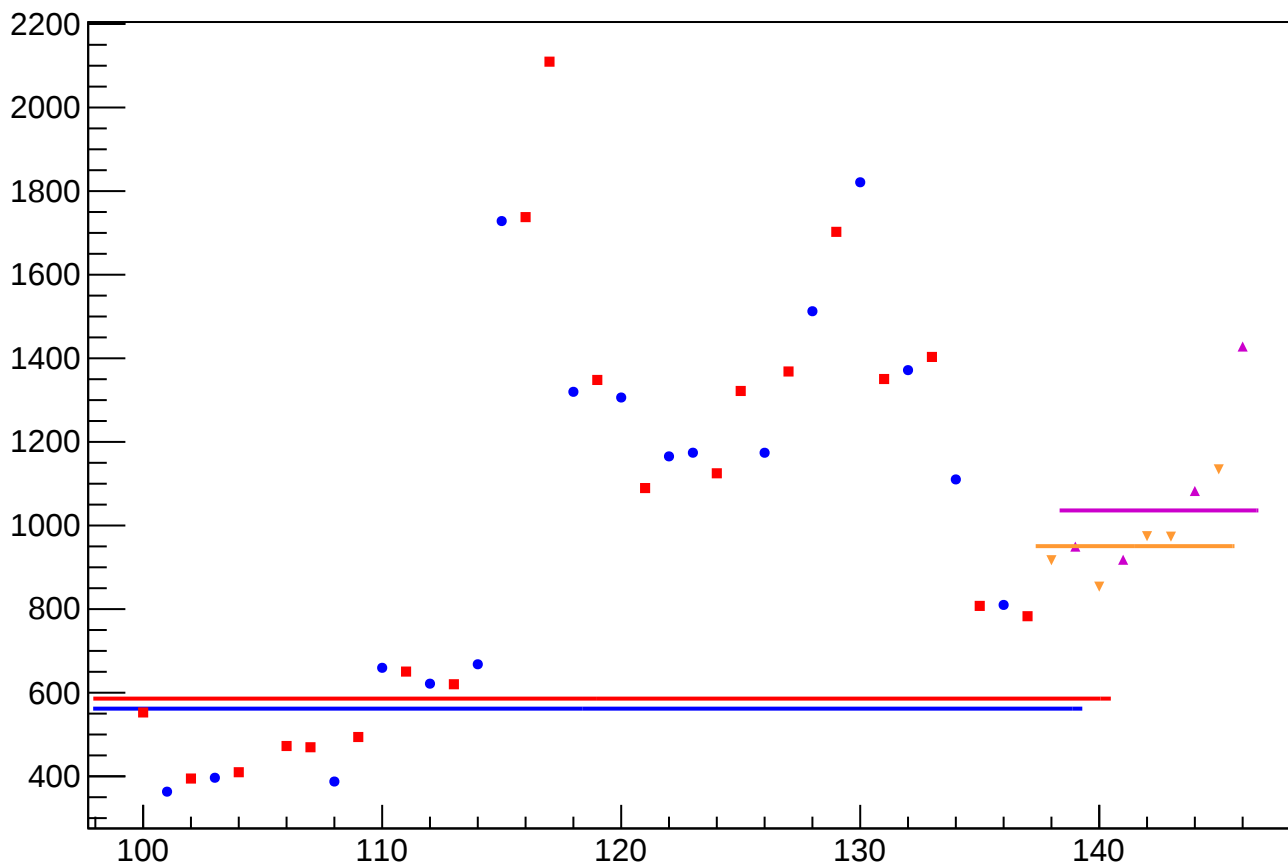
Left In: -569.439+/-585.245 χ^2/NDF : 3.2/3

-191.621+/-225.698 χ^2/NDF : 22.9/21

-170.424+/-159.977 χ^2/NDF : 48.1/45

-149.022+/-226.789 χ^2/NDF : 25.2/23

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2/NDF : 3216651.3/16

Left Out: 950.617 $\pm$ 0.368 χ^2/NDF : 63515.6/4

Right Out: 585.891 $\pm$ 0.174 χ^2/NDF : 2869692.7/19

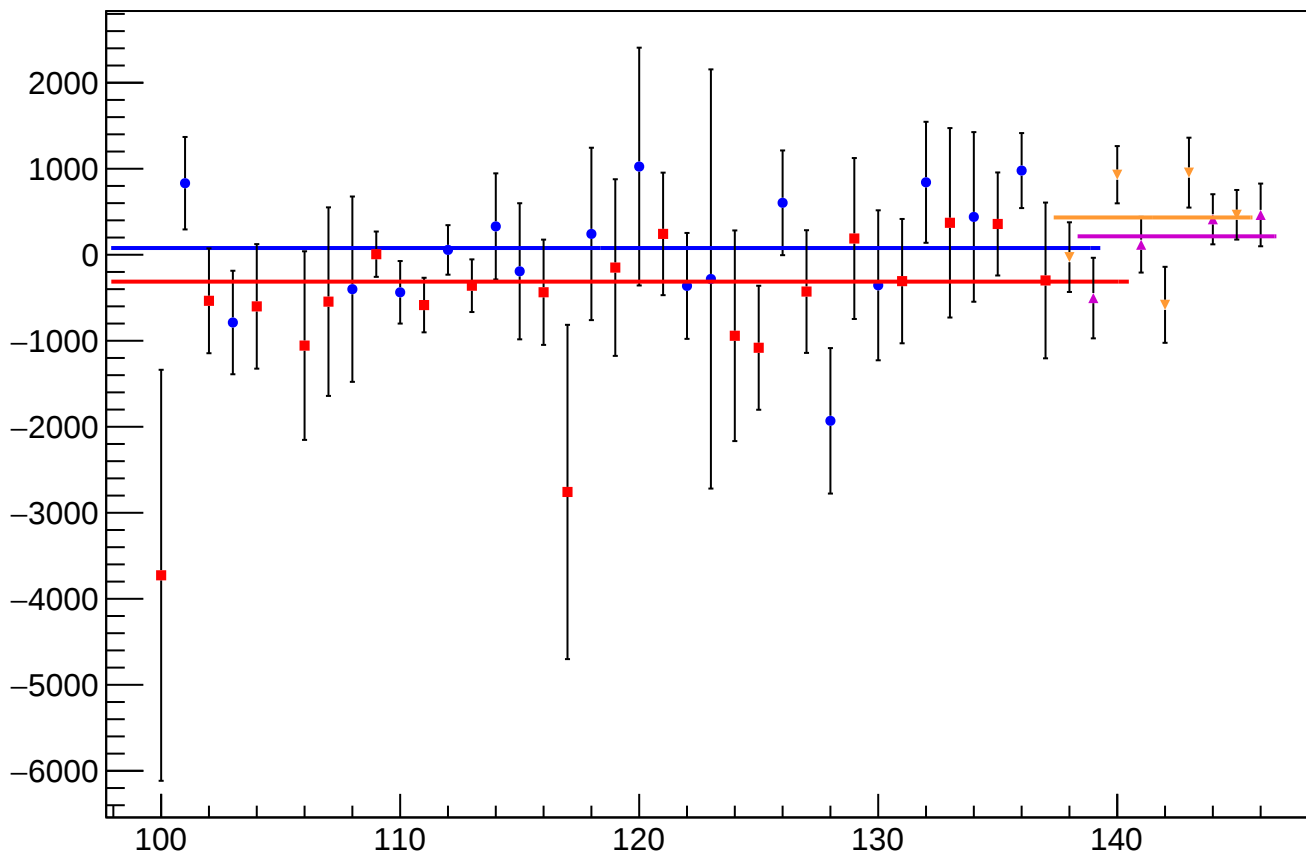
Left In: 1036.044 $\pm$ 0.414 χ^2/NDF : 163531.1/3

634.897 $\pm$ 0.160 χ^2/NDF : 4185102.3/21

644.148 $\pm$ 0.113 χ^2/NDF : 8230642.8/45

653.488 $\pm$ 0.160 χ^2/NDF : 4038787.7/23

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 $\pm$ 142.869 χ^2/NDF : 19.8/16

Left Out: 433.619 $\pm$ 161.512 χ^2/NDF :10.5/4

Right Out: -312.536 $\pm$ 129.362 χ^2/NDF : 10.7/19

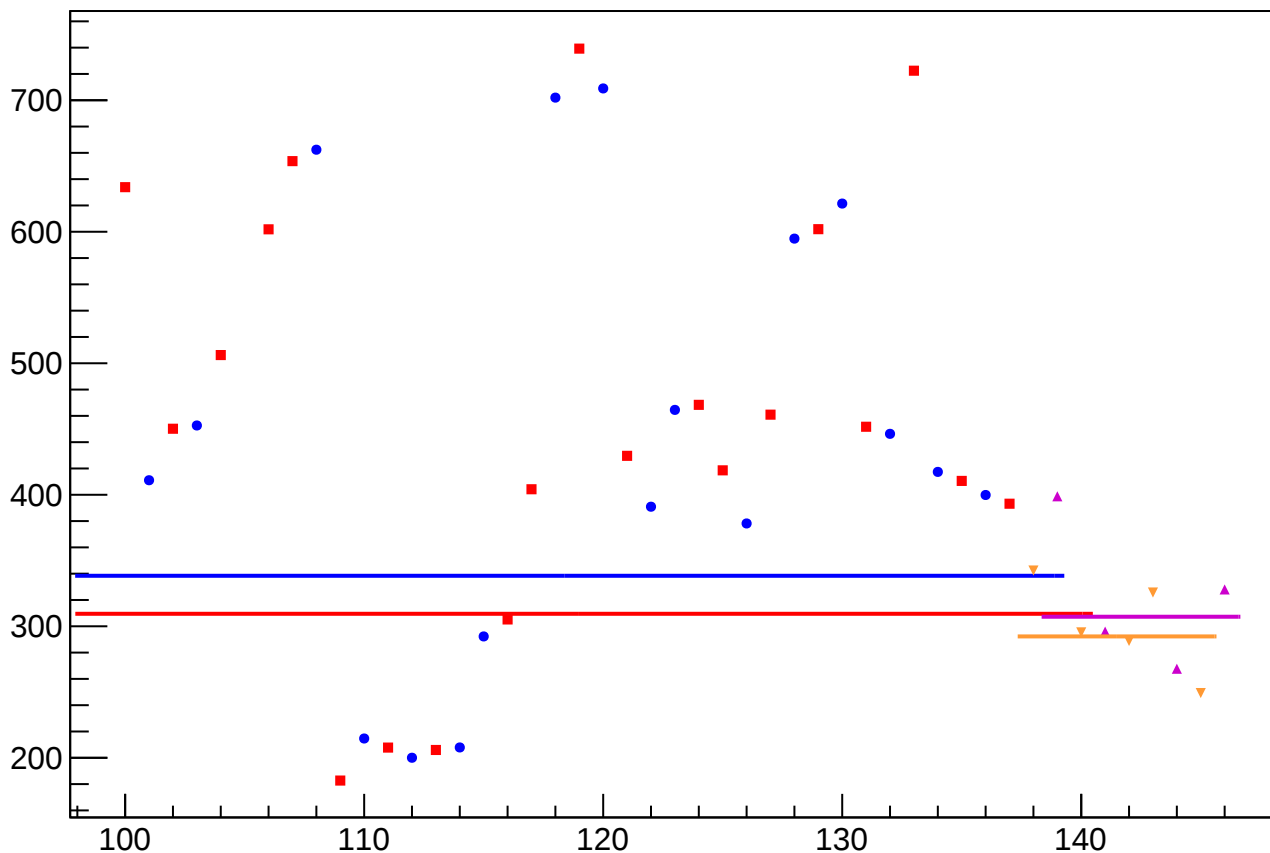
Left In: 214.241 $\pm$ 173.000 χ^2/NDF :3.4/3

234.213 $\pm$ 107.011 χ^2/NDF : 33.0/21

49.503 $\pm$ 74.433 χ^2/NDF : 58.7/45

-123.623 $\pm$ 103.601 χ^2/NDF : 20.0/23

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2/NDF : 2009287.1/16

Left Out: 292.292 $\pm$ 0.114 χ^2/NDF : 89022.5/4

Right Out: 309.503 $\pm$ 0.091 χ^2/NDF : 2738236.3/19

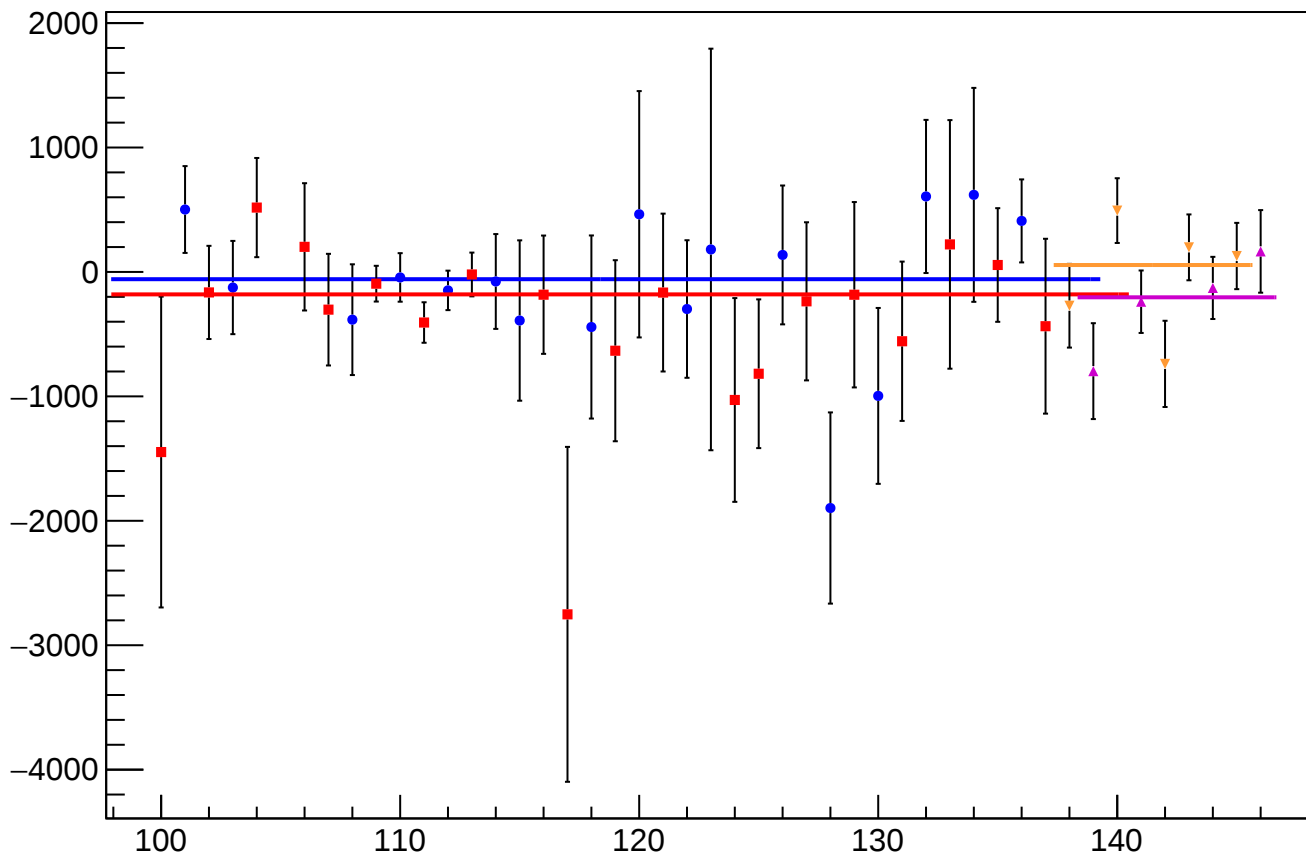
Left In: 307.265 $\pm$ 0.122 χ^2/NDF : 122230.3/3

318.164 $\pm$ 0.076 χ^2/NDF : 2189783.4/21

313.279 $\pm$ 0.053 χ^2/NDF : 5058538.5/45

308.700 $\pm$ 0.073 χ^2/NDF : 2860681.1/23

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299+/-90.484 χ^2/NDF : 15.9/16

Left Out: 55.627+/-128.766 χ^2/NDF : 9.4/4

Right Out: -180.354+/-76.795 χ^2/NDF : 15.0/19

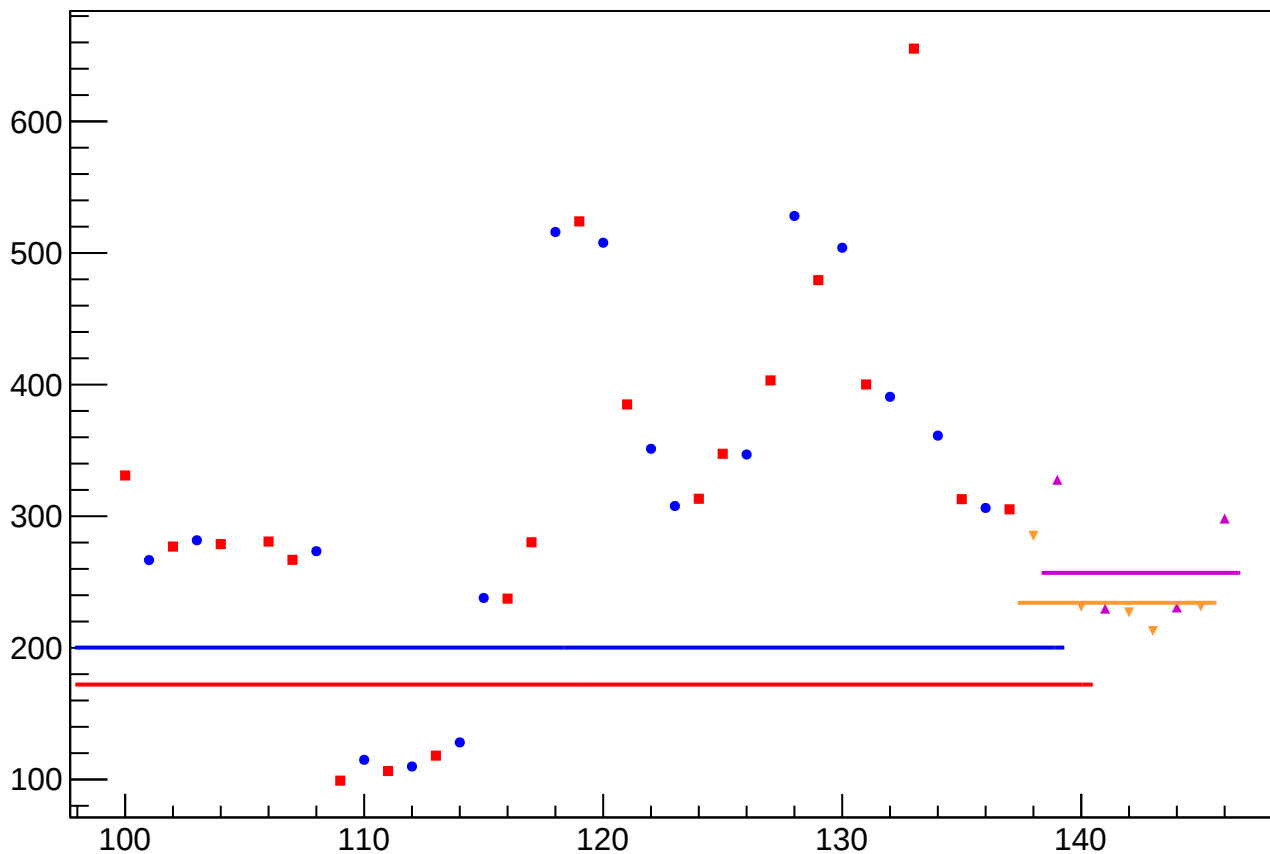
Left In: -203.896+/-144.766 χ^2/NDF : 3.7/3

-20.639+/-74.033 χ^2/NDF : 25.8/21

-110.266+/-50.017 χ^2/NDF : 47.2/45

-185.524+/-67.840 χ^2/NDF : 18.7/23

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2/NDF : 3387197.7/16

Left Out: 234.236 $\pm$ 0.091 χ^2/NDF : 60280.2/4

Right Out: 172.110 $\pm$ 0.054 χ^2/NDF : 4106869.2/19

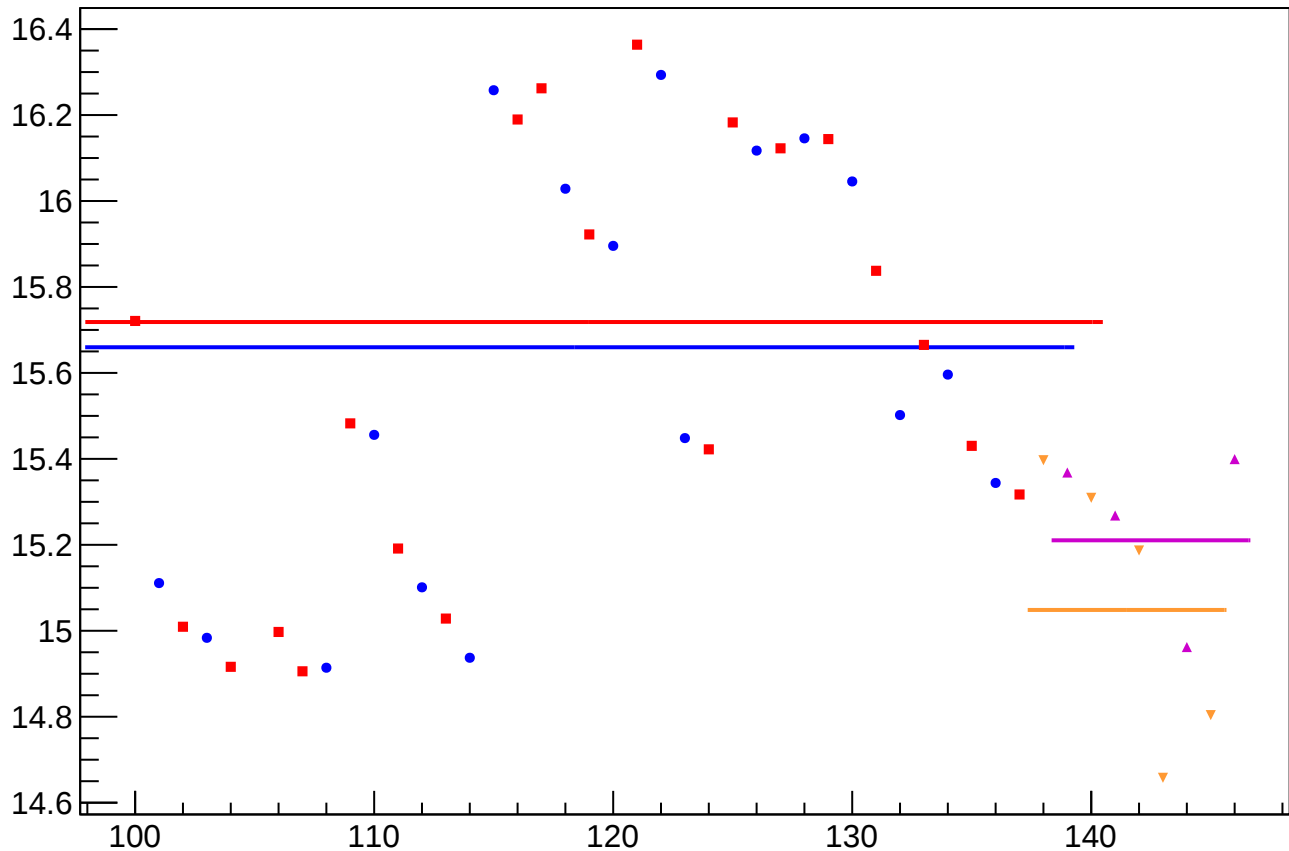
Left In: 256.974 $\pm$ 0.102 χ^2/NDF : 143940.7/3

211.457 $\pm$ 0.052 χ^2/NDF : 3540973.9/21

200.199 $\pm$ 0.035 χ^2/NDF : 8413217.7/45

190.747 $\pm$ 0.048 χ^2/NDF : 4787169.9/23

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.048 $\pm$ 0.000 χ^2/NDF : 3172375723.5/4

Right Out: 15.718 $\pm$ 0.000 χ^2/NDF : 5490626945.9/19

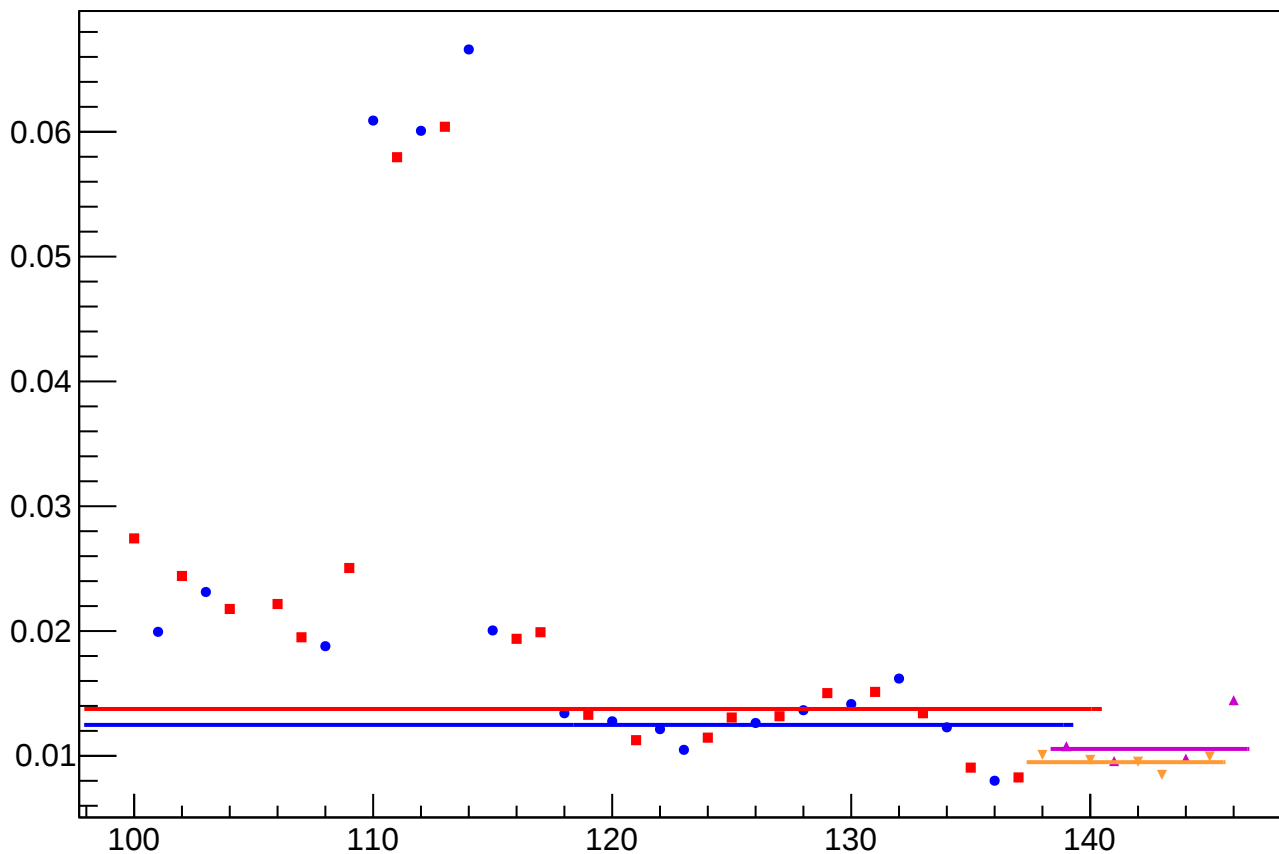
Left In: 15.210 $\pm$ 0.000 χ^2/NDF : 831501156.9/3

15.346 $\pm$ 0.000 χ^2/NDF : 15291805417.3/21

15.404 $\pm$ 0.000 χ^2/NDF : 25703526605.2/21

15.474 $\pm$ 0.000 χ^2/NDF : 9910745129.3/23

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 2152911.4/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF :25747.9/4

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 2084935.7/19

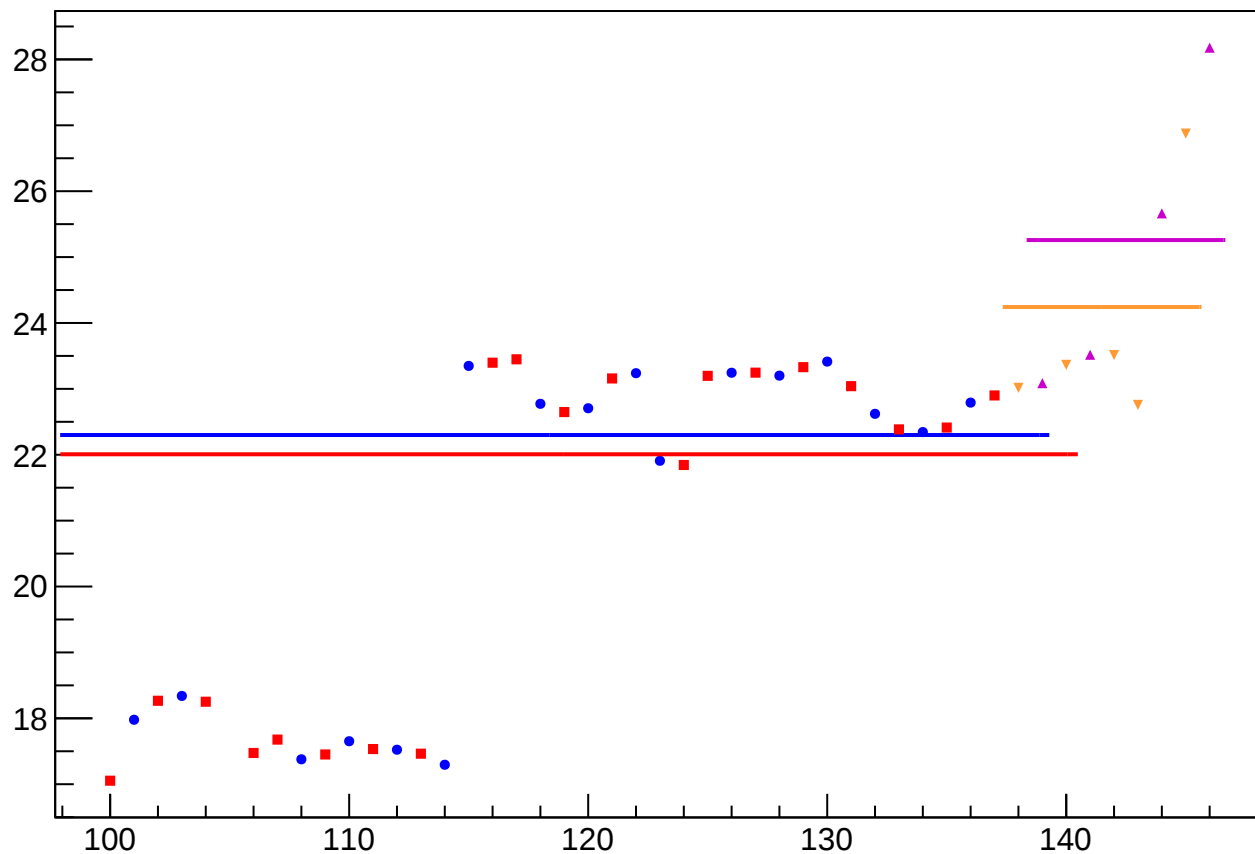
Left In: 0.011 $\pm$ 0.000 χ^2/NDF :133944.7/3

0.011 $\pm$ 0.000 χ^2/NDF : 2481167.8/21

0.012 $\pm$ 0.000 χ^2/NDF : 5083759.1/45

0.012 $\pm$ 0.000 χ^2/NDF : 2504054.4/23

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.242+/-0.000 χ^2/NDF : 779086220.2/4

Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

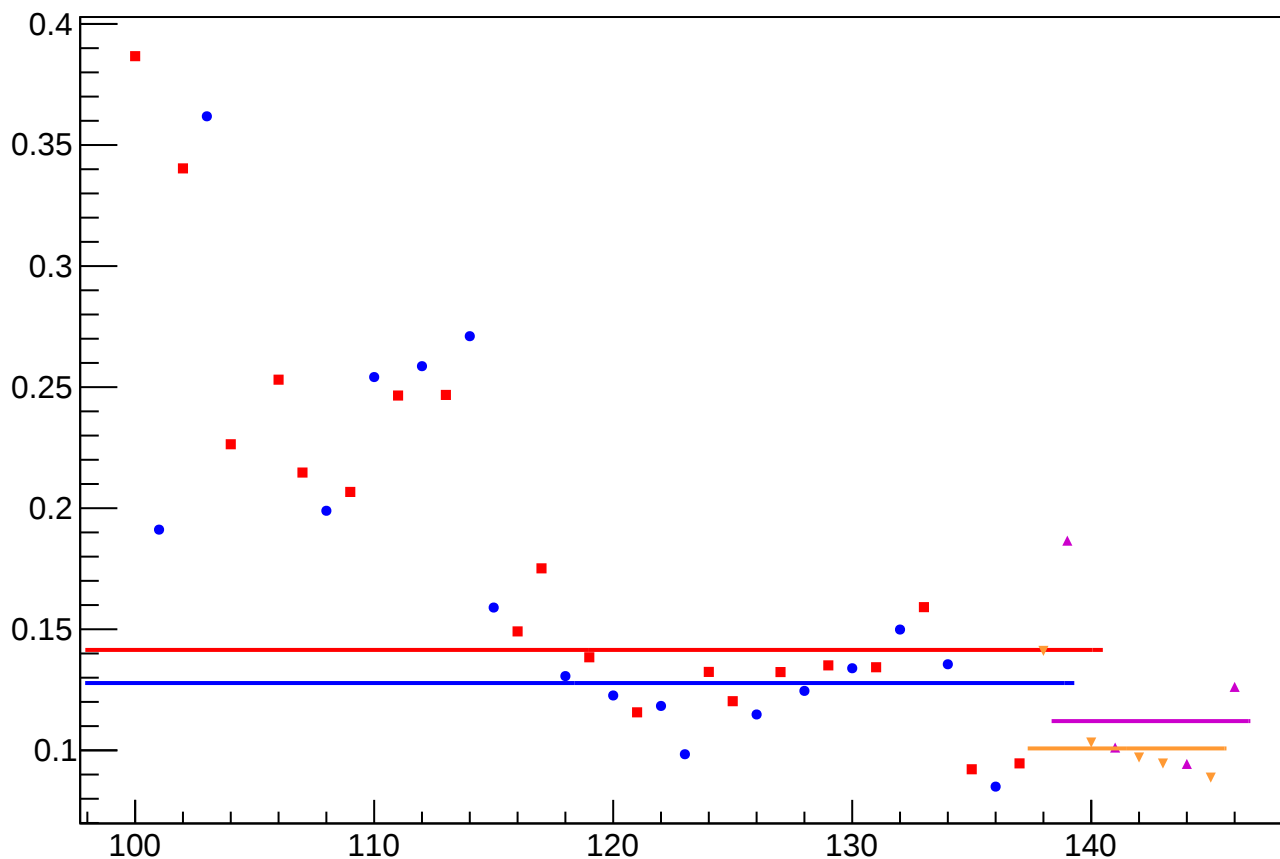
Left In: 25.258+/-0.000 χ^2/NDF : 683588822.6/3

23.191+/-0.000 χ^2/NDF : 2253661351.1/21

23.295+/-0.000 χ^2/NDF : 5287812169.6/4

23.416+/-0.000 χ^2/NDF : 3020827952.4/23

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.101 $\pm$ 0.000 χ^2 /NDF:133132.0/4

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1452162.4/19

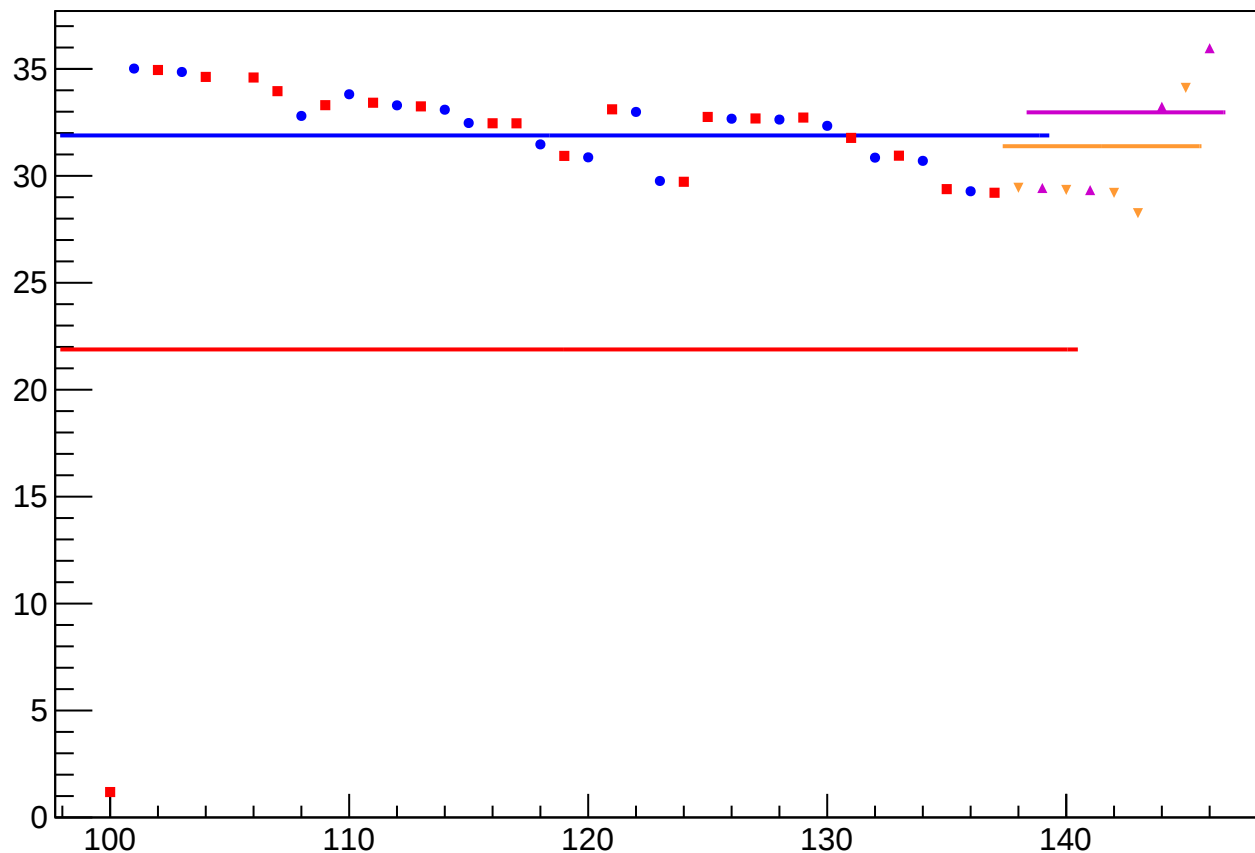
Left In: 0.112 $\pm$ 0.000 χ^2 /NDF:313938.5/3

0.115 $\pm$ 0.000 χ^2 /NDF: 1832611.6/21

0.122 $\pm$ 0.000 χ^2 /NDF: 3899932.6/45

0.129 $\pm$ 0.000 χ^2 /NDF: 1973525.6/23

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.386+/-0.000 χ^2/NDF : 4102343123.7/4

Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

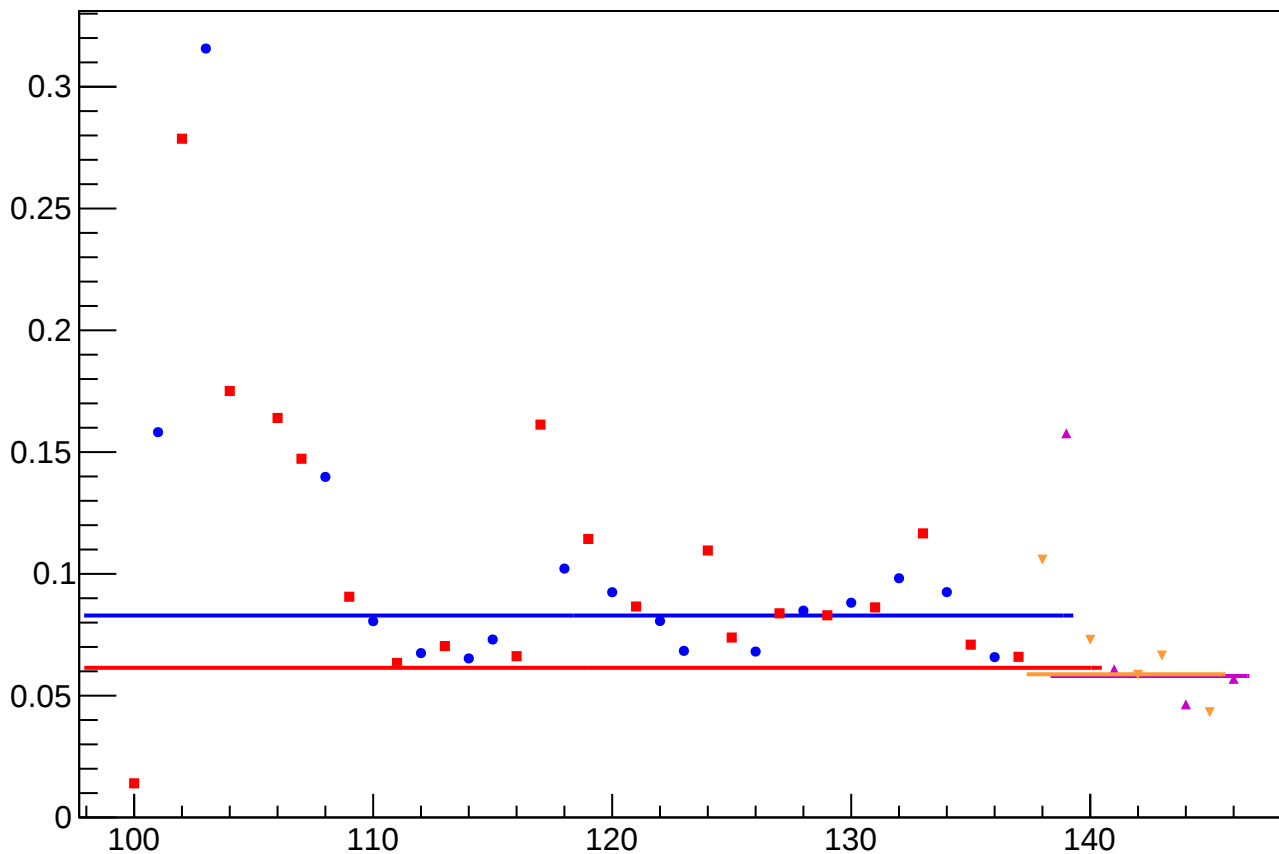
Left In: 32.969+/-0.000 χ^2/NDF : 4017979629.3/3

31.656+/-0.000 χ^2/NDF : 6116441362.7/21

28.483+/-0.000 χ^2/NDF : 312838156078.1

25.993+/-0.000 χ^2/NDF : 282840252453.7/23

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 412706.7/4

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3635656.2/19

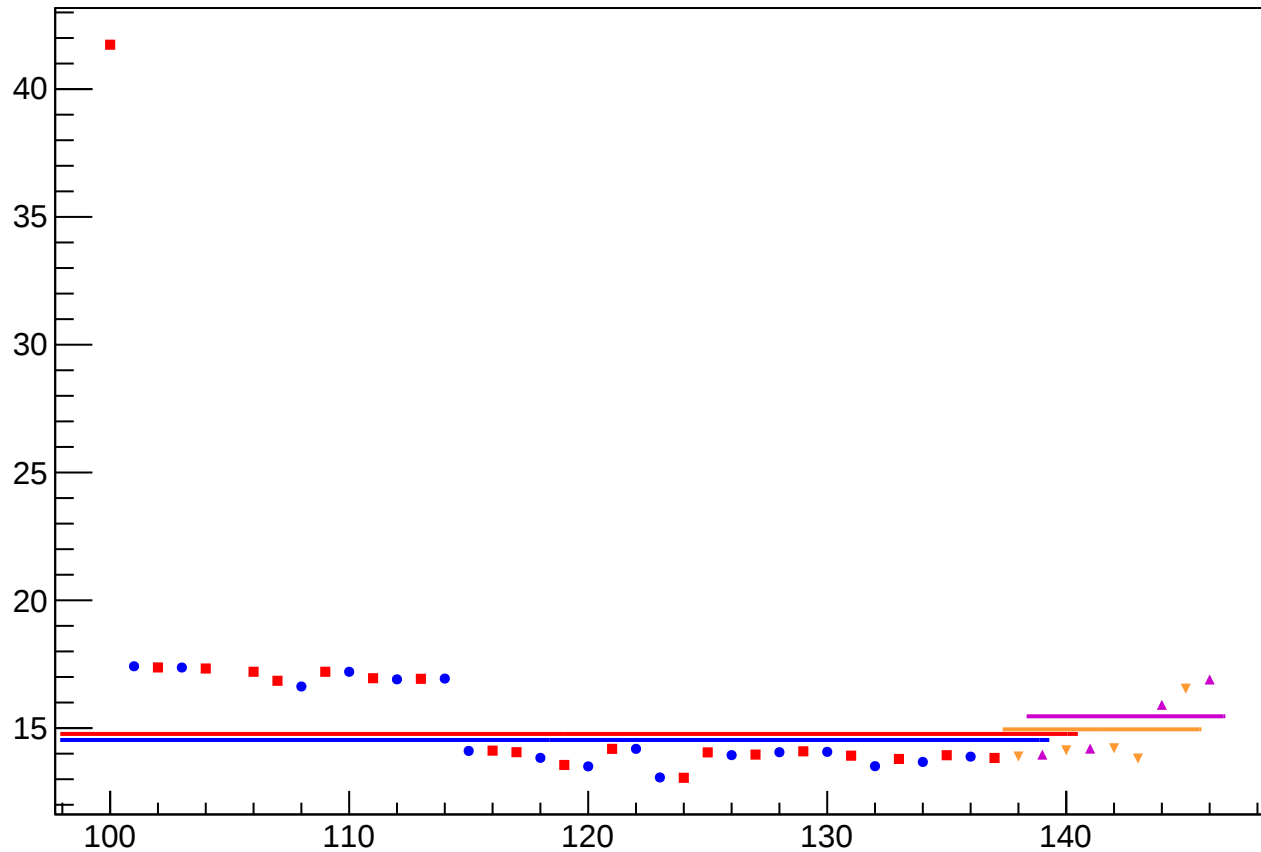
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 645978.4/3

0.072 $\pm$ 0.000 χ^2 /NDF: 1961619.2/21

0.065 $\pm$ 0.000 χ^2 /NDF: 6450236.0/45

0.060 $\pm$ 0.000 χ^2 /NDF: 4290597.8/23

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.952+/-0.000 χ^2/NDF : 938288565.9/4

Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

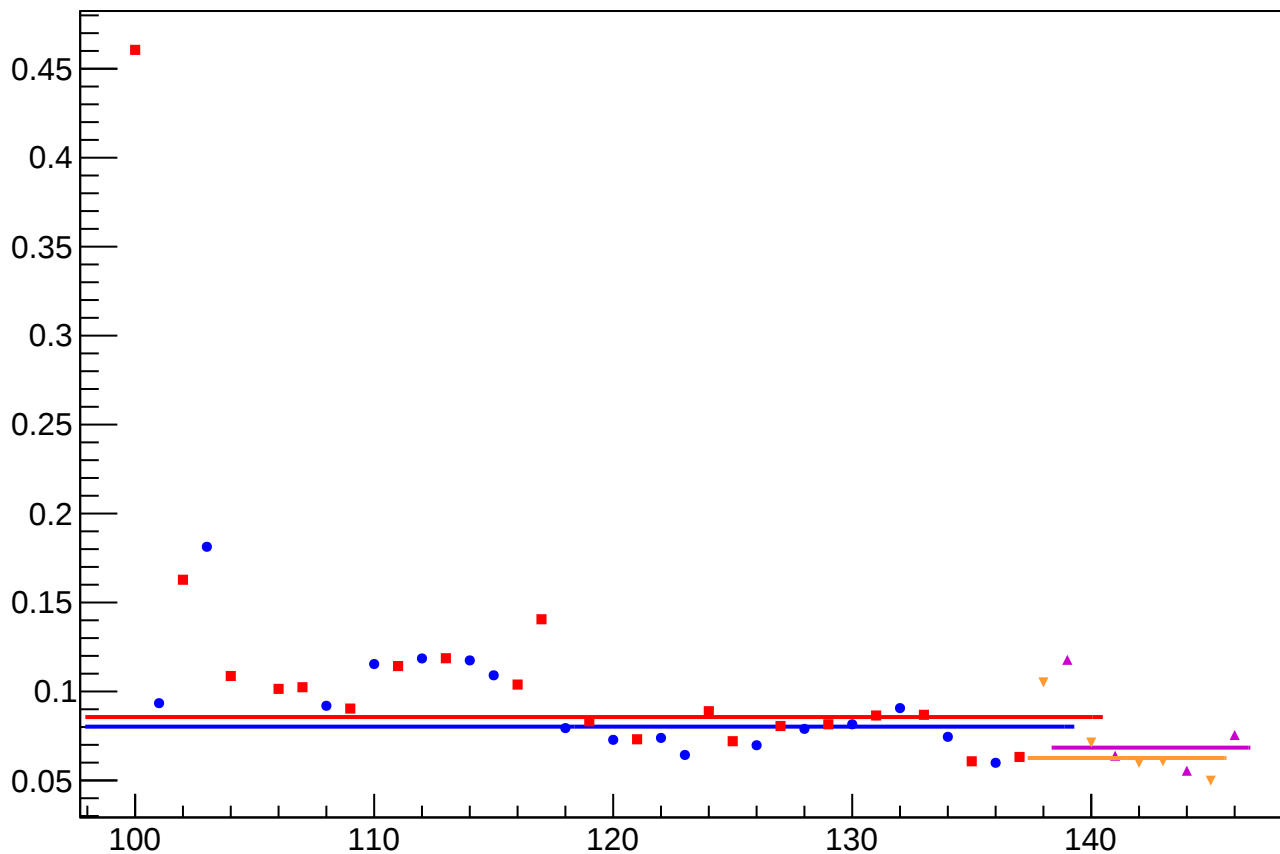
Left In: 15.462+/-0.000 χ^2/NDF : 645443941.8/3

14.709+/-0.000 χ^2/NDF : 2470850754.7/21

14.869+/-0.000 χ^2/NDF : 5235011652.0/4

15.045+/-0.000 χ^2/NDF : 2685199351.3/23

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.063+/-0.000 χ^2/NDF : 303683.5/4

Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

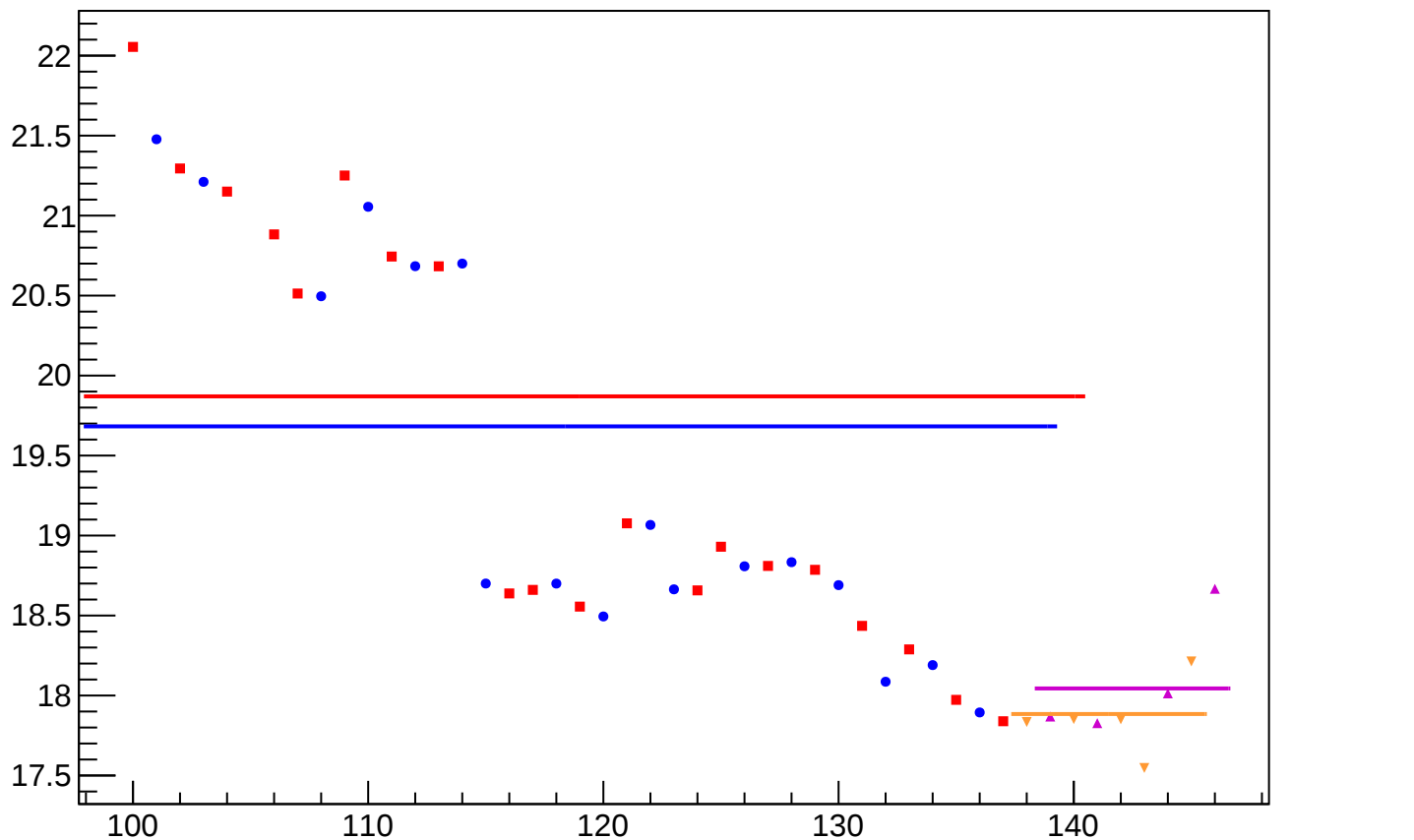
Left In: 0.068+/-0.000 χ^2/NDF : 336175.5/3

0.073+/-0.000 χ^2/NDF : 1304589.2/21

0.076+/-0.000 χ^2/NDF : 2629357.0/45

0.079+/-0.000 χ^2/NDF : 1275385.1/23

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.884+/-0.000 χ^2/NDF : 179288126.1/4

Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

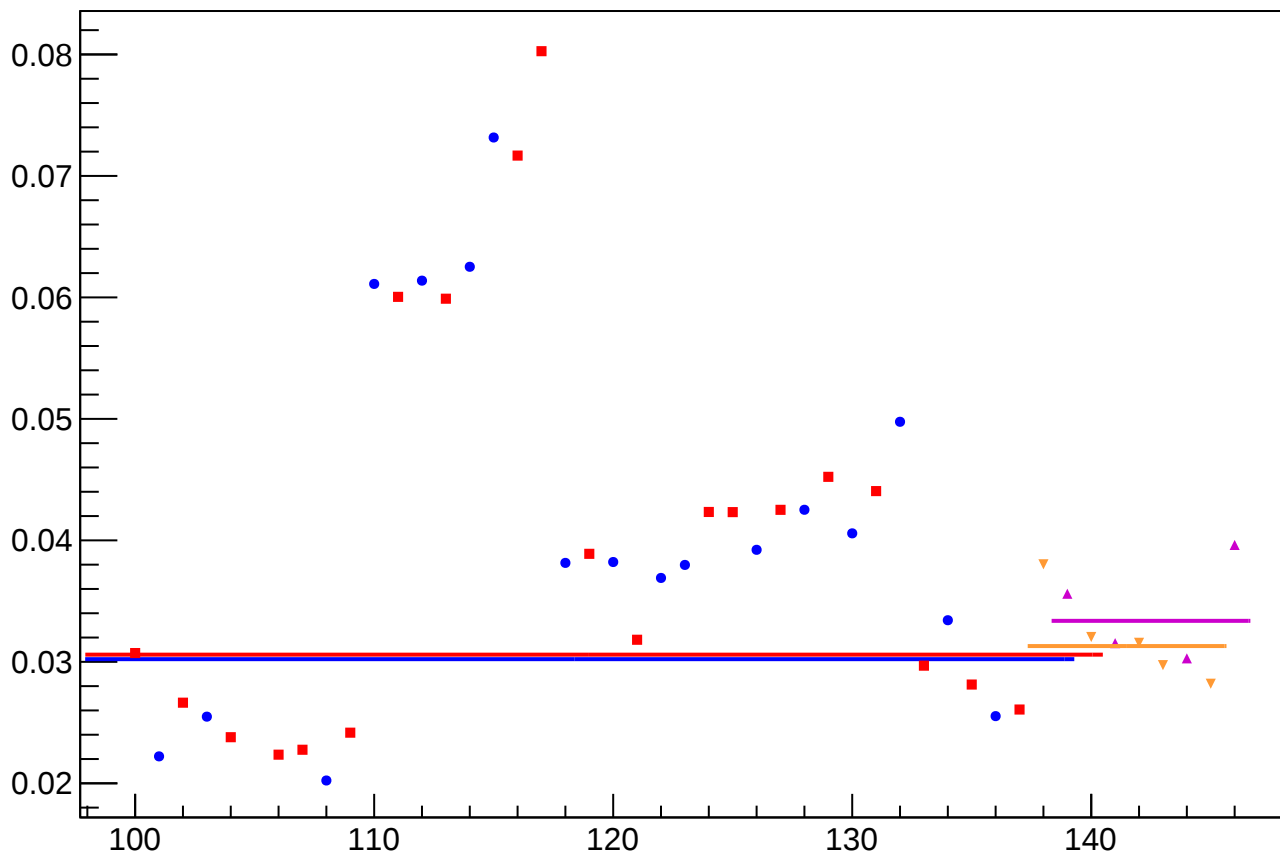
Left In: 18.044+/-0.000 χ^2/NDF : 241600440.7/3

19.064+/-0.000 χ^2/NDF : 19252644519.8/21

19.191+/-0.000 χ^2/NDF : 37478556819.1/21

19.321+/-0.000 χ^2/NDF : 17924315198.8/23

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.031 $\pm$ 0.000 χ^2/NDF : 65392.2/4

Right Out: 0.031 $\pm$ 0.000 χ^2/NDF : 1219224.0/19

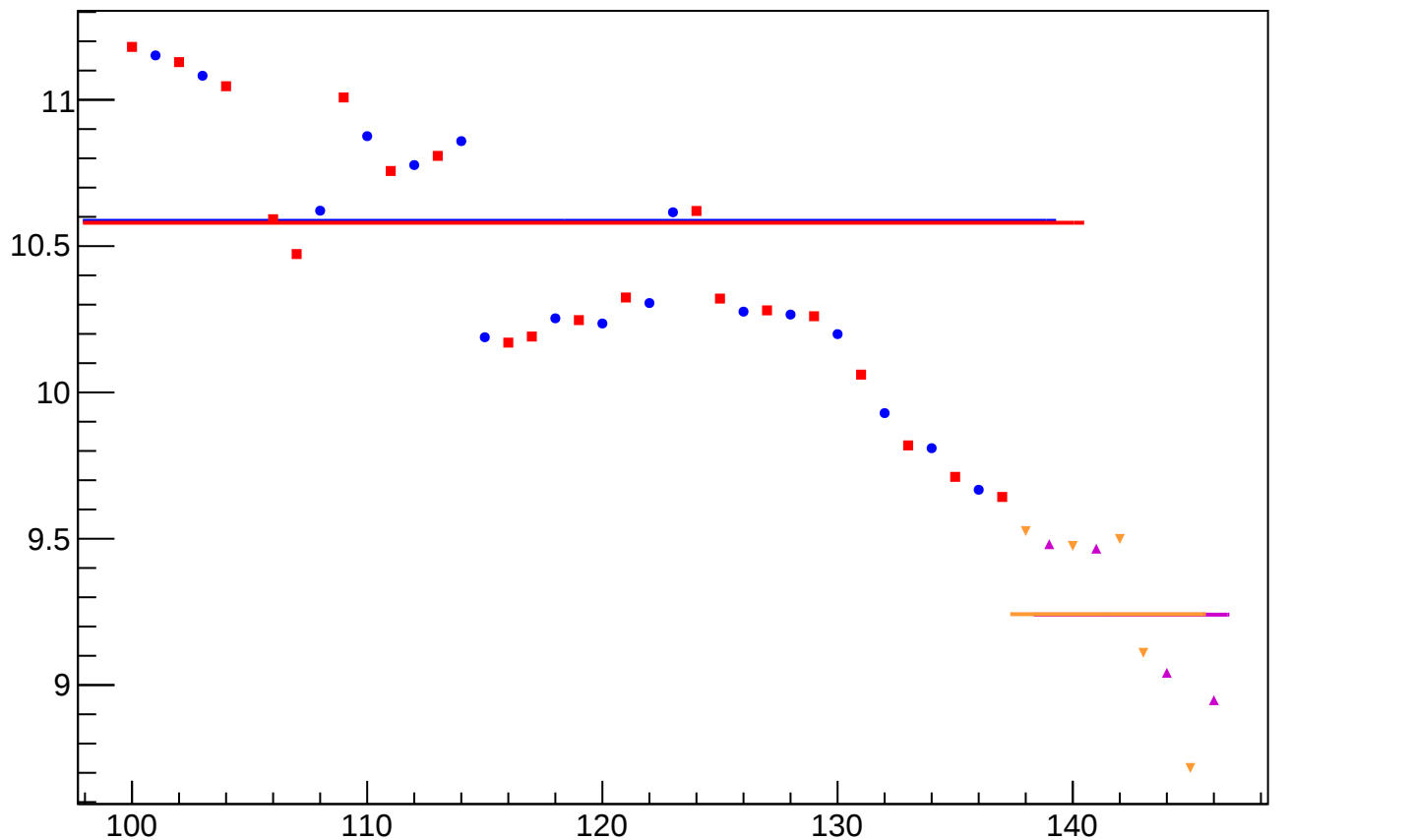
Left In: 0.033 $\pm$ 0.000 χ^2/NDF : 65292.7/3

0.031 $\pm$ 0.000 χ^2/NDF : 1394801.3/21

0.031 $\pm$ 0.000 χ^2/NDF : 2715274.8/45

0.031 $\pm$ 0.000 χ^2/NDF : 1314015.1/23

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.242 $\pm$ 0.000 χ^2 /NDF: 860565620.5/4

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5769007164.9/19

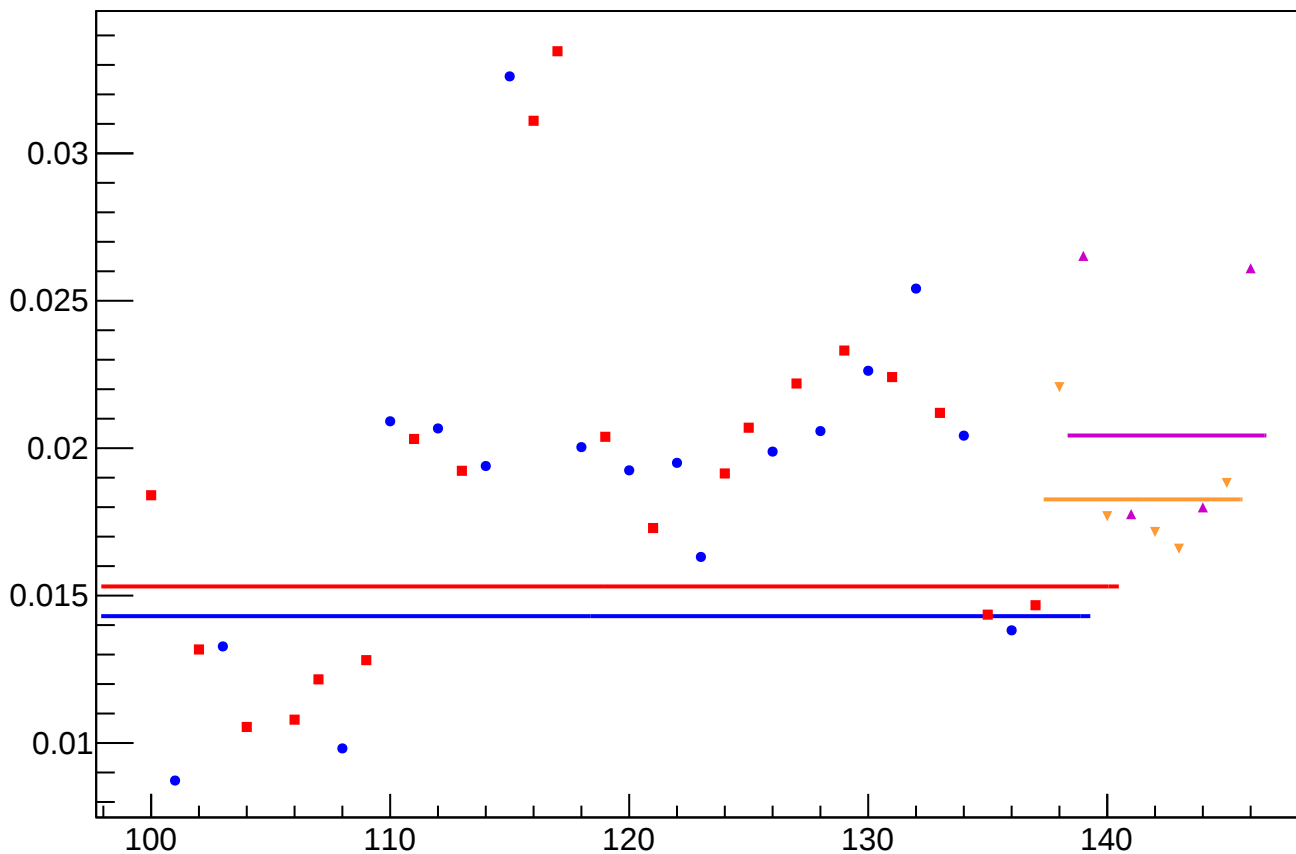
Left In: 9.241 $\pm$ 0.000 χ^2 /NDF: 367717184.9/3

10.245 $\pm$ 0.000 χ^2 /NDF: 20228524992.0/21

10.268 $\pm$ 0.000 χ^2 /NDF: 36122902892.3/21

10.293 $\pm$ 0.000 χ^2 /NDF: 15855618476.6/23

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.018+/-0.000 χ^2/NDF : 57738.4/4

Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

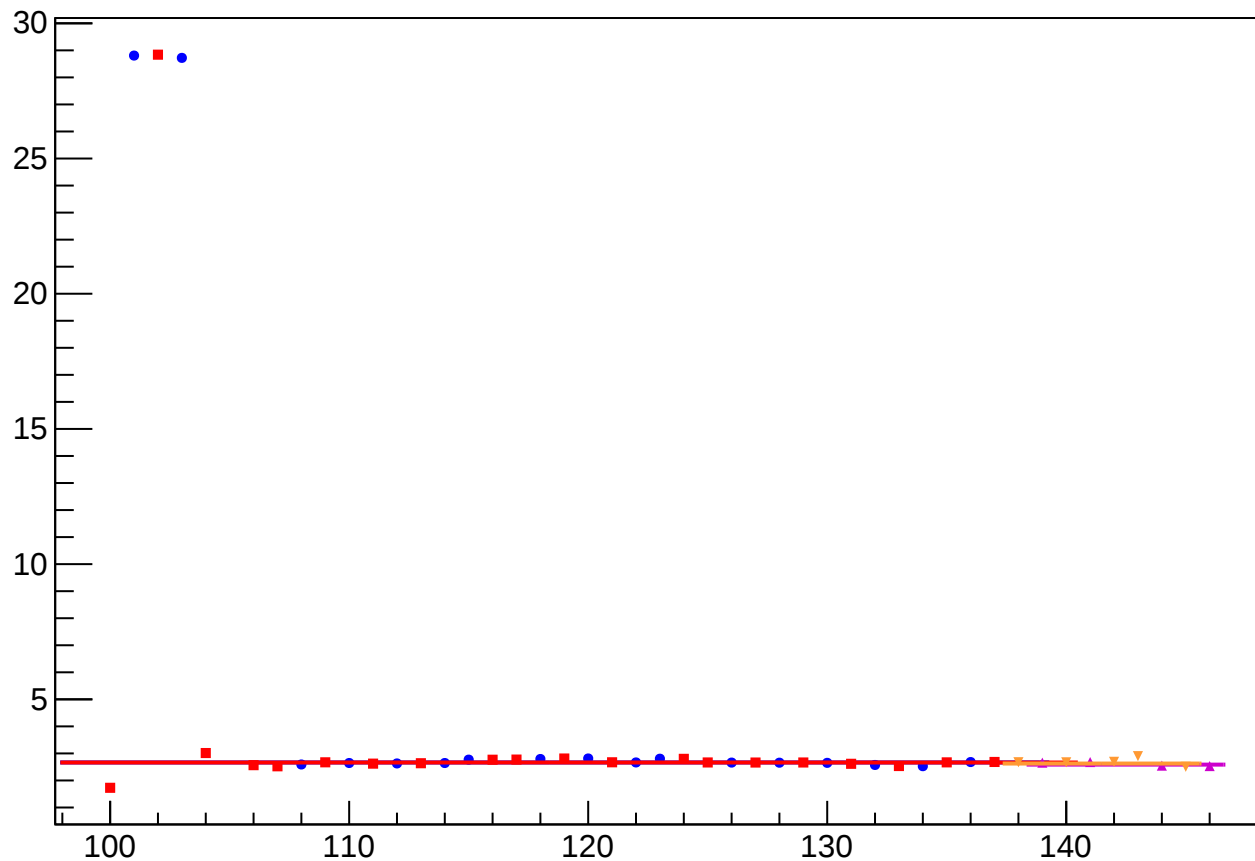
Left In: 0.020+/-0.000 χ^2/NDF : 207188.3/3

0.015+/-0.000 χ^2/NDF : 1673145.2/21

0.016+/-0.000 χ^2/NDF : 3216229.2/45

0.016+/-0.000 χ^2/NDF : 1502670.8/23

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.626+/-0.000 χ^2/NDF : 10827911798.1/4

Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

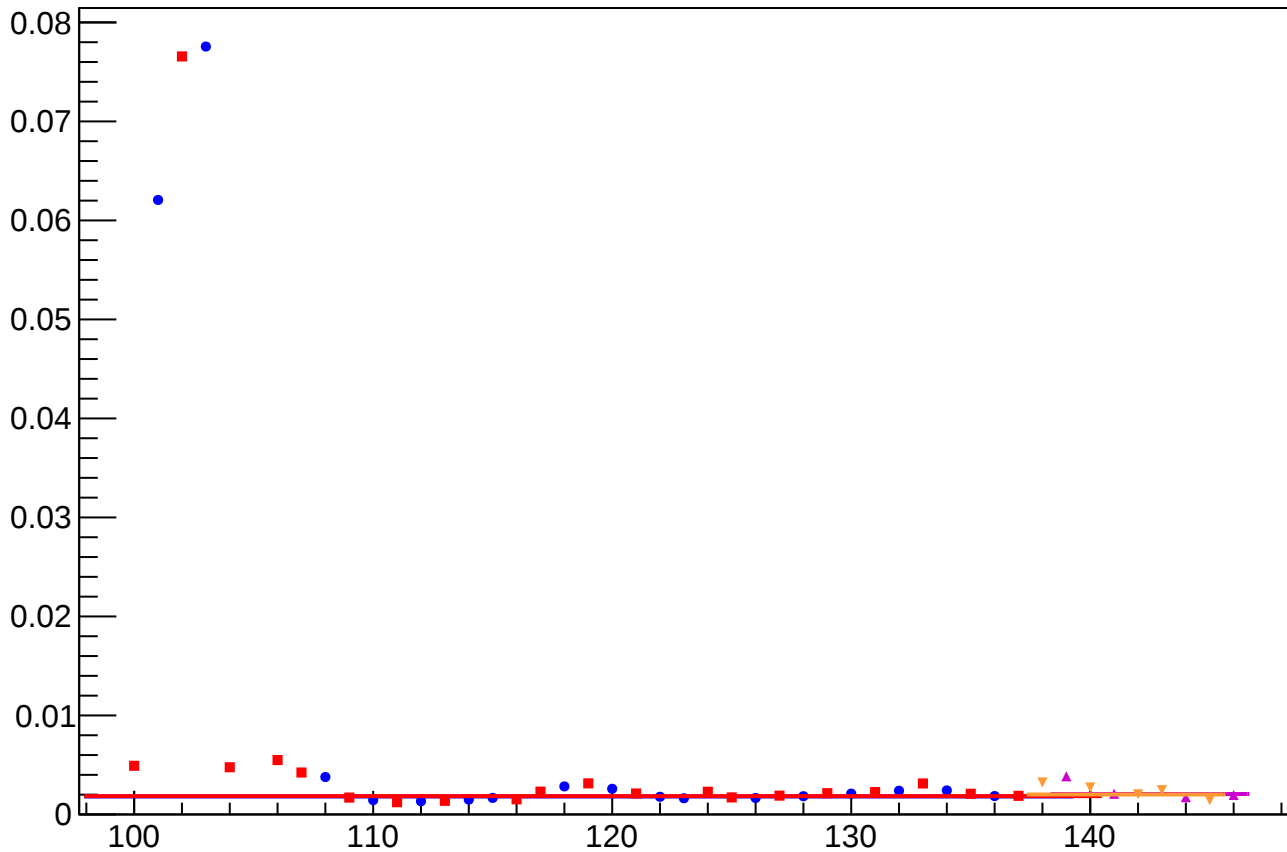
Left In: 2.586+/-0.000 χ^2/NDF : 2374002104.1/3

2.654+/-0.000 χ^2/NDF : 174661755841.1/21

2.648+/-0.000 χ^2/NDF : 250195441487.1/21

2.641+/-0.000 χ^2/NDF : 75381477826.0/23

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 479128.4/4

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

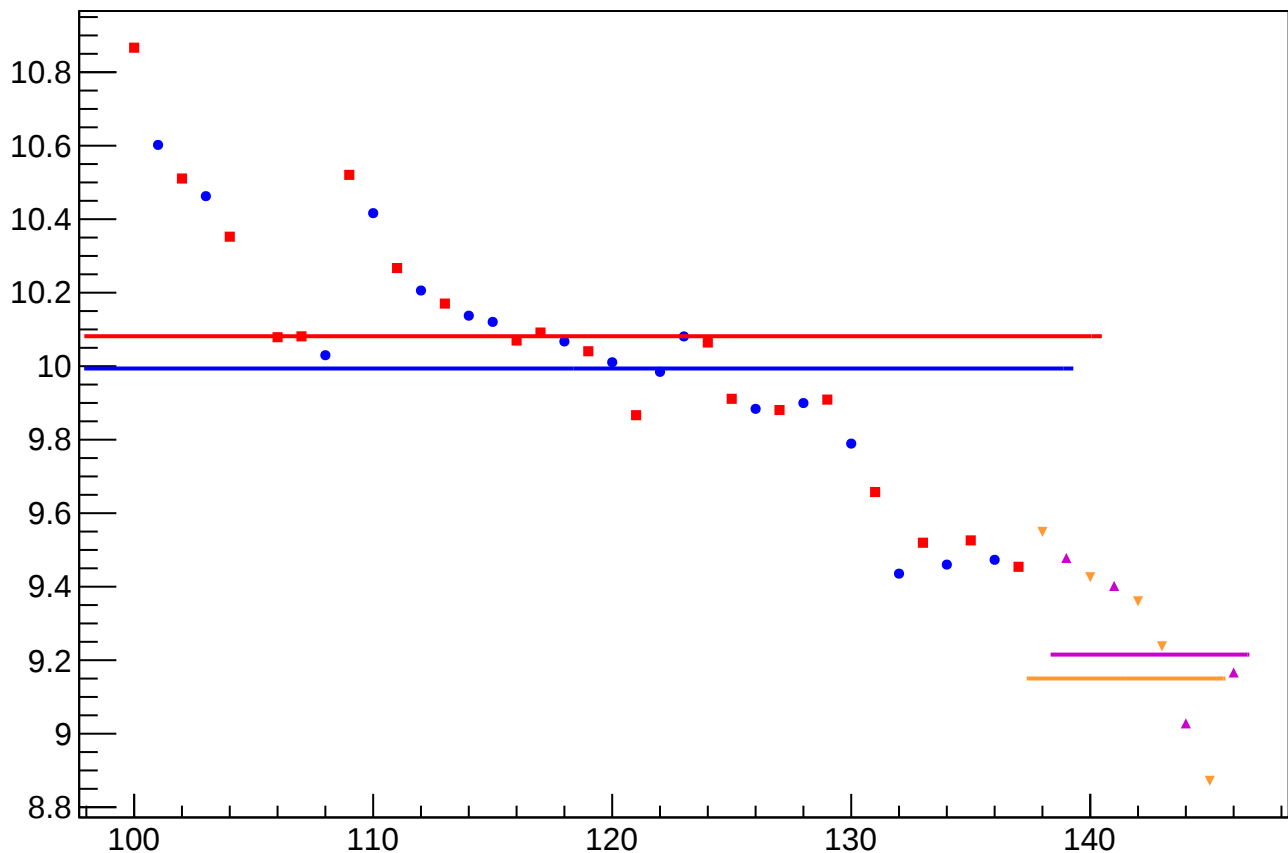
Left In: 0.002+/-0.000 χ^2/NDF : 348974.0/3

0.002+/-0.000 χ^2/NDF : 3172832.6/21

0.002+/-0.000 χ^2/NDF : 5897494.6/45

0.002+/-0.000 χ^2/NDF : 2722368.2/23

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 9.150 $\pm$ 0.000 χ^2 /NDF: 4358937462.1/4

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502760782.3/19

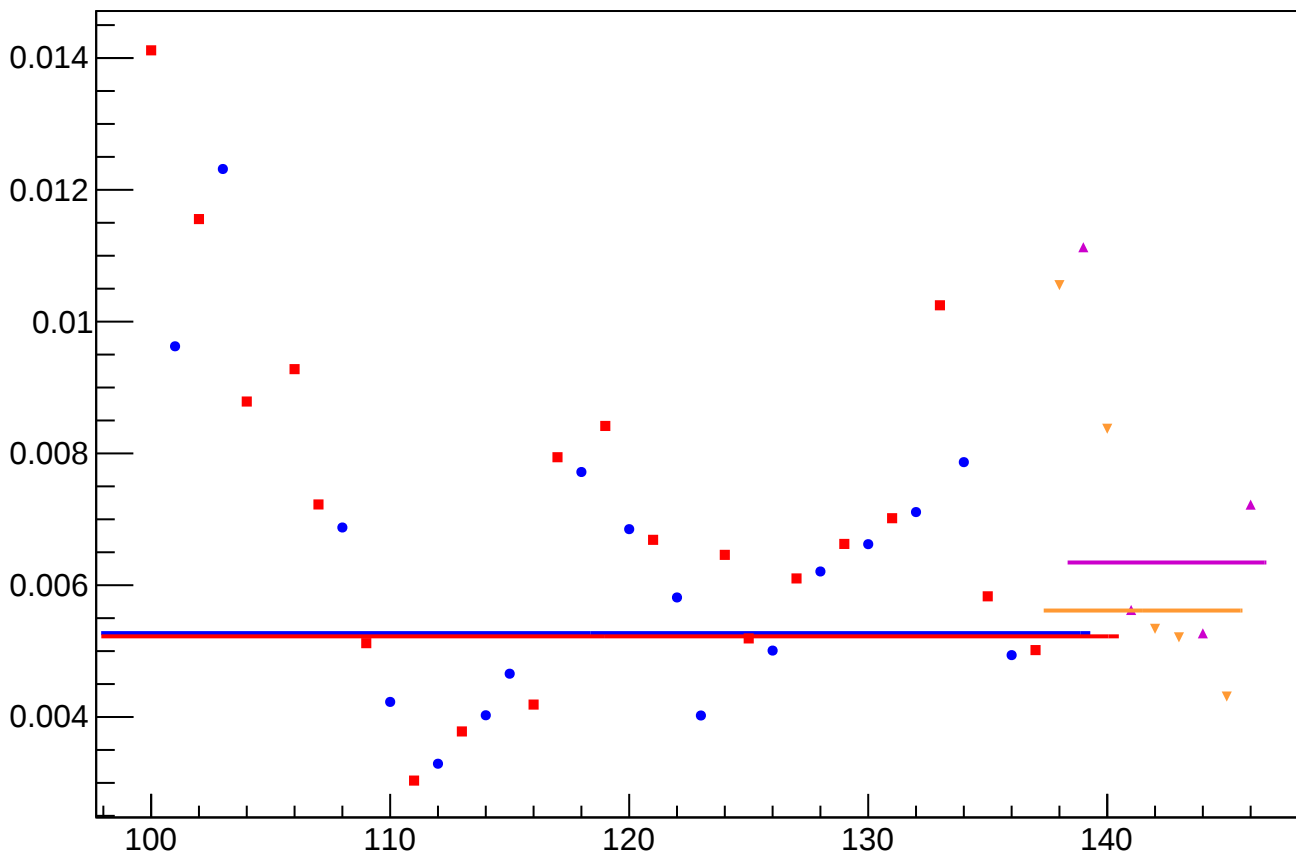
Left In: 9.215 $\pm$ 0.000 χ^2 /NDF: 1846850764.1/3

9.754 $\pm$ 0.000 χ^2 /NDF: 59703302839.5/21

9.816 $\pm$ 0.000 χ^2 /NDF: 113094826220.8/

9.877 $\pm$ 0.000 χ^2 /NDF: 51483045919.9/23

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 493522.0/4

Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

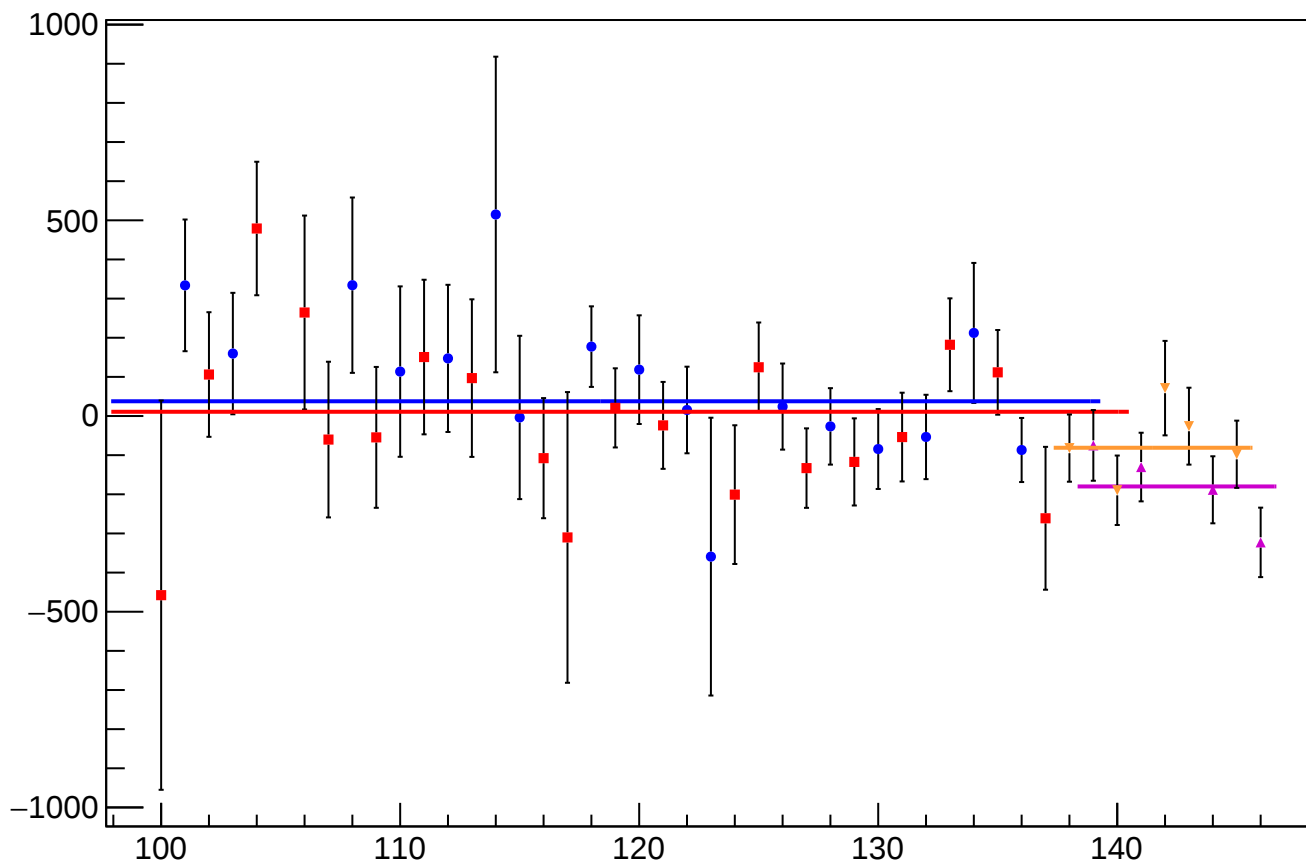
Left In: 0.006+/-0.000 χ^2/NDF : 342996.8/3

0.005+/-0.000 χ^2/NDF : 1751146.6/21

0.005+/-0.000 χ^2/NDF : 3879418.7/45

0.005+/-0.000 χ^2/NDF : 2124756.1/23

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -81.072 $\pm$ 41.863 χ^2 /NDF: 3.4/4

Right Out: 10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

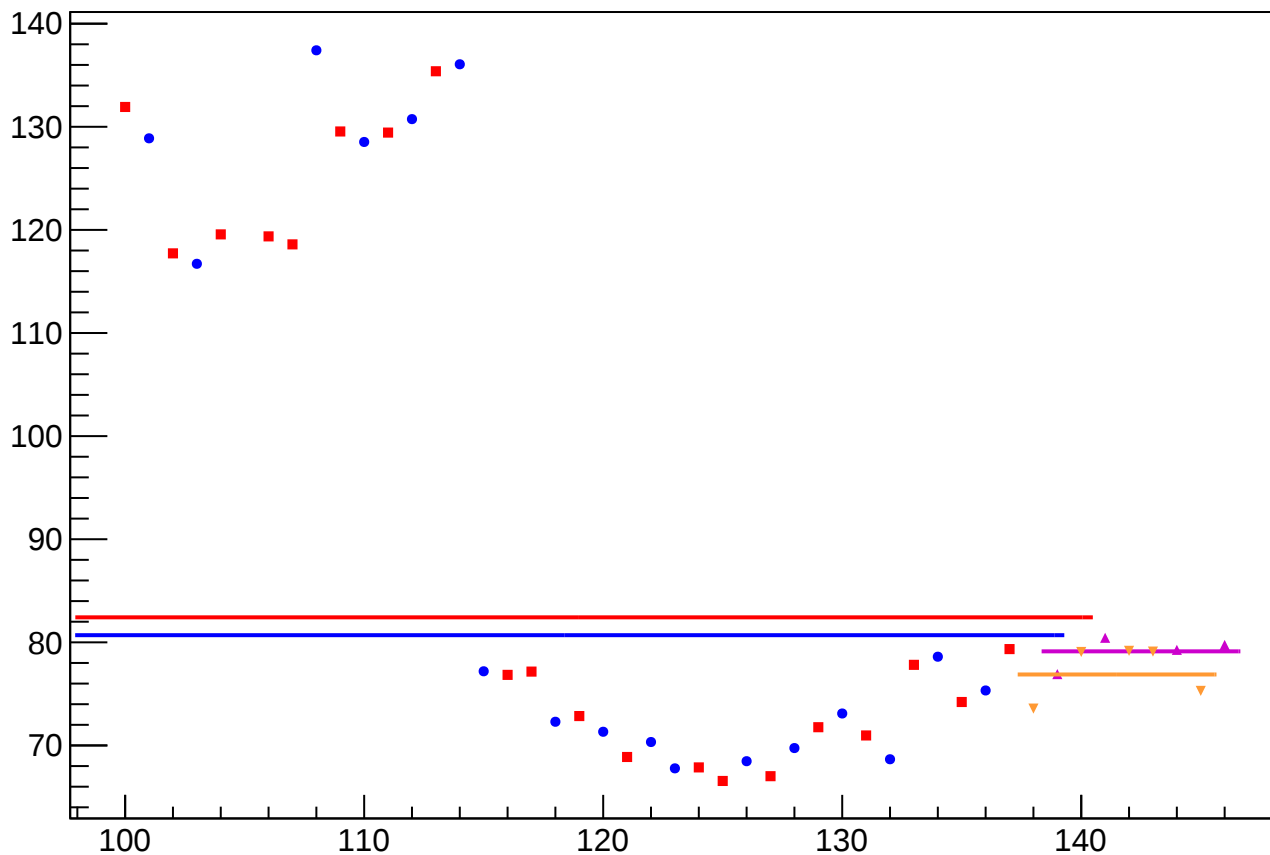
Left In: -179.924 $\pm$ 44.018 χ^2 /NDF: 4.3/3

-6.545 $\pm$ 25.550 χ^2 /NDF: 25.2/21

-30.459 $\pm$ 18.174 χ^2 /NDF: 67.0/45

-54.947 $\pm$ 25.855 χ^2 /NDF: 40.1/23

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 76.883 $\pm$ 0.030 χ^2 /NDF: 6613.0/4

Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

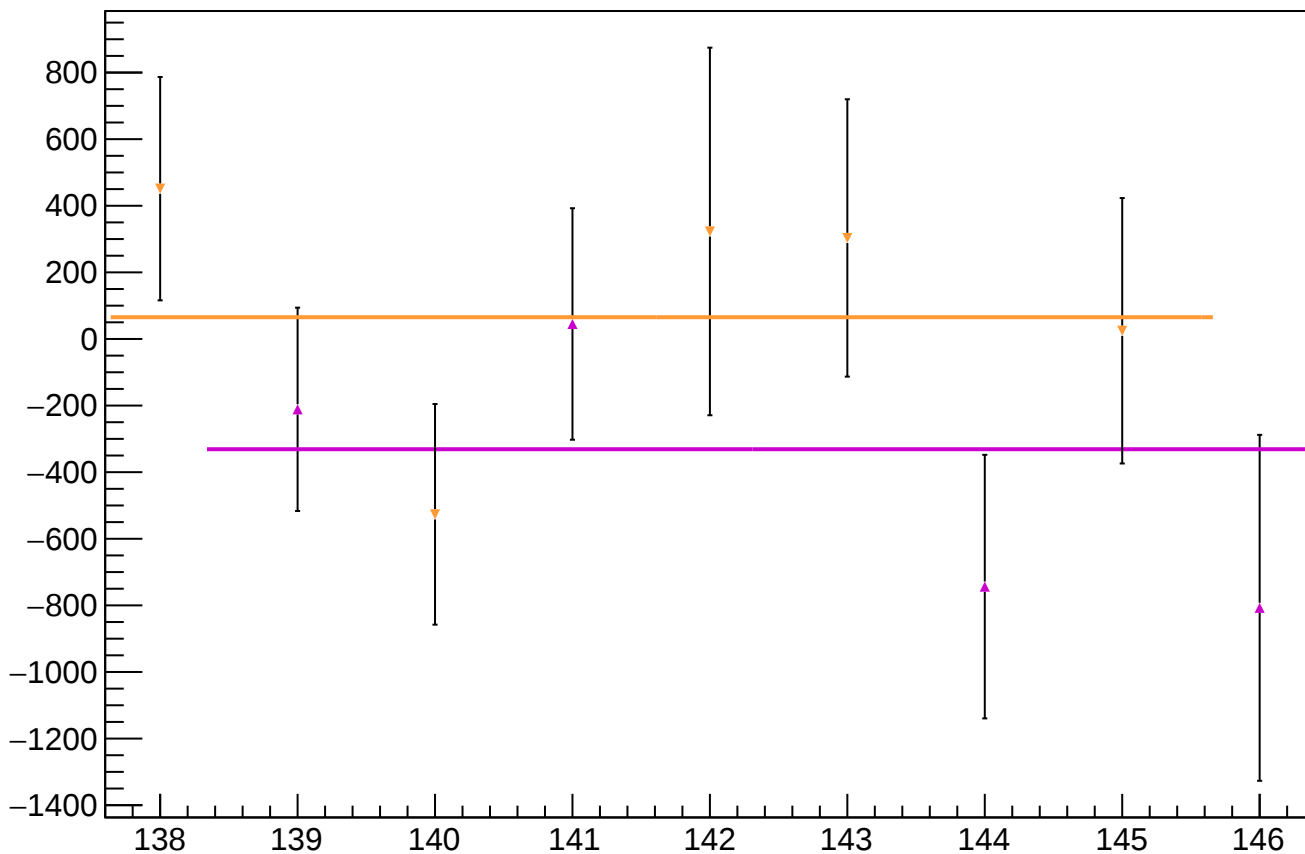
Left In: 79.126 $\pm$ 0.031 χ^2 /NDF: 1750.2/3

79.275 $\pm$ 0.018 χ^2 /NDF: 831042.5/21

80.269 $\pm$ 0.013 χ^2 /NDF: 1761556.9/45

81.286 $\pm$ 0.018 χ^2 /NDF: 924387.5/23

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 65.302+/-173.170 χ^2/NDF : 5.1/4

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

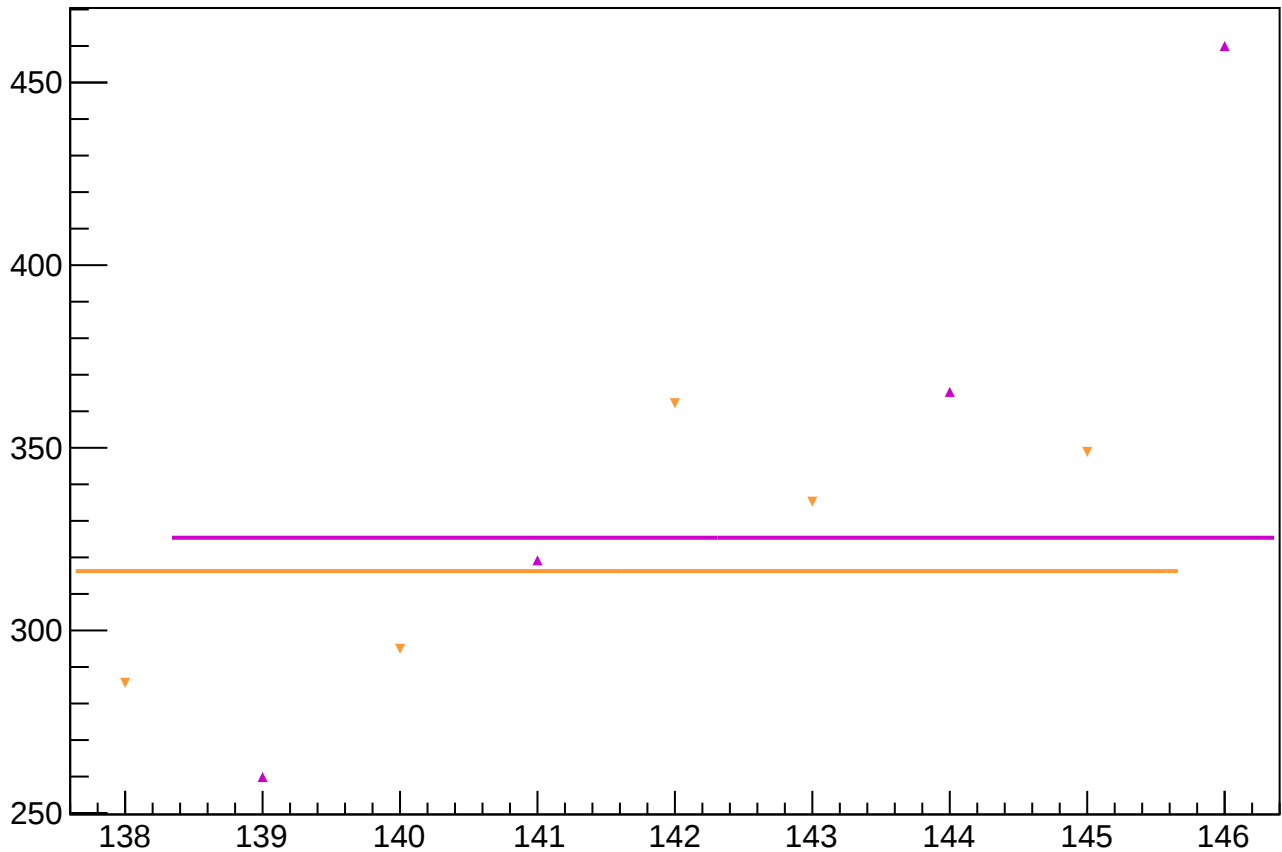
Left In: -331.107+/-185.380 χ^2/NDF : 3.3/3

65.302+/-173.170 χ^2/NDF : 5.1/4

-119.419+/-126.546 χ^2/NDF : 10.8/8

-331.107+/-185.380 χ^2/NDF : 3.3/3

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 316.250+/-0.122 χ^2/NDF : 56318.2/4

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

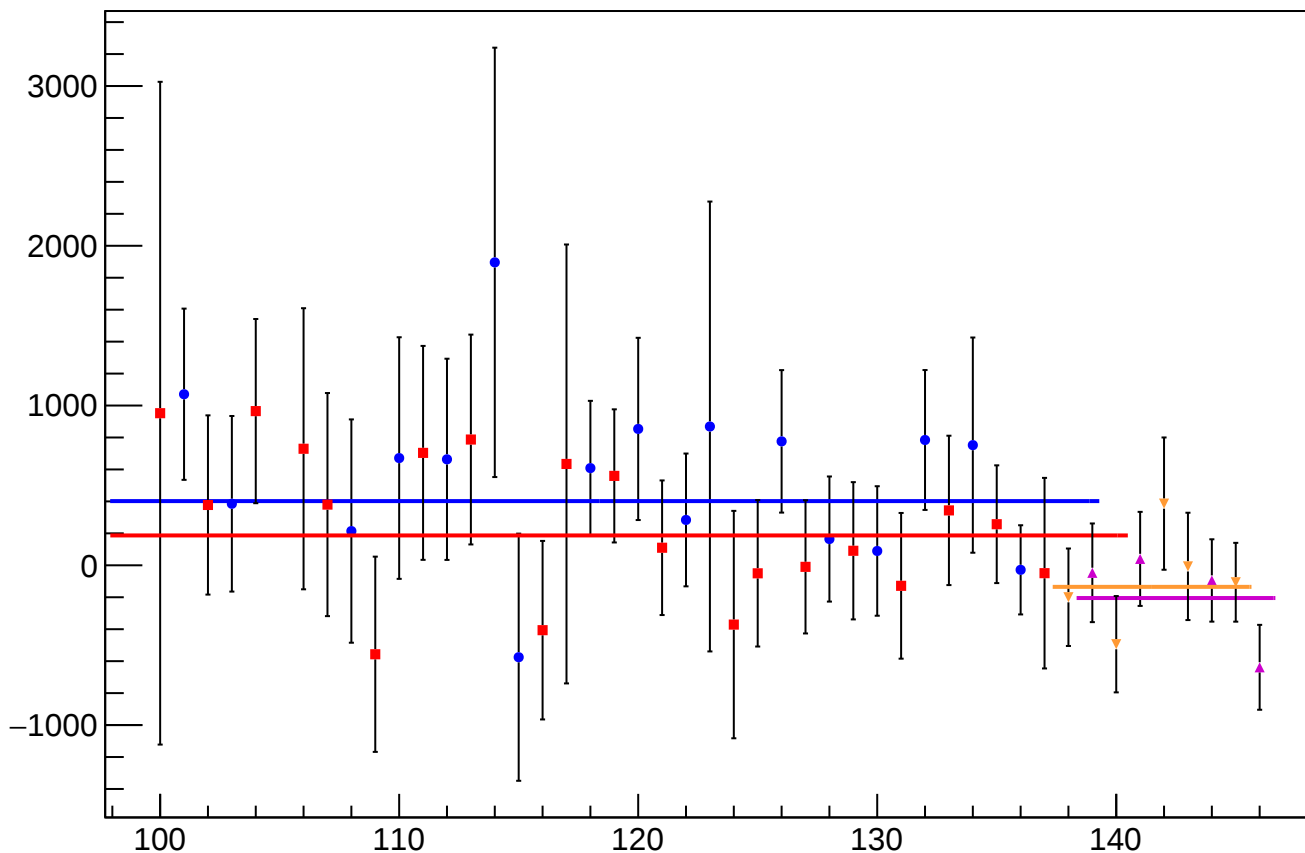
Left In: 325.382+/-0.131 χ^2/NDF : 247388.6/3

316.250+/-0.122 χ^2/NDF : 56318.2/4

320.505+/-0.089 χ^2/NDF : 306299.0/8

325.382+/-0.131 χ^2/NDF : 247388.6/3

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -134.914+/-137.513 χ^2/NDF : 3.2/4

Right Out: 186.914+/-119.879 χ^2/NDF : 9.4/19

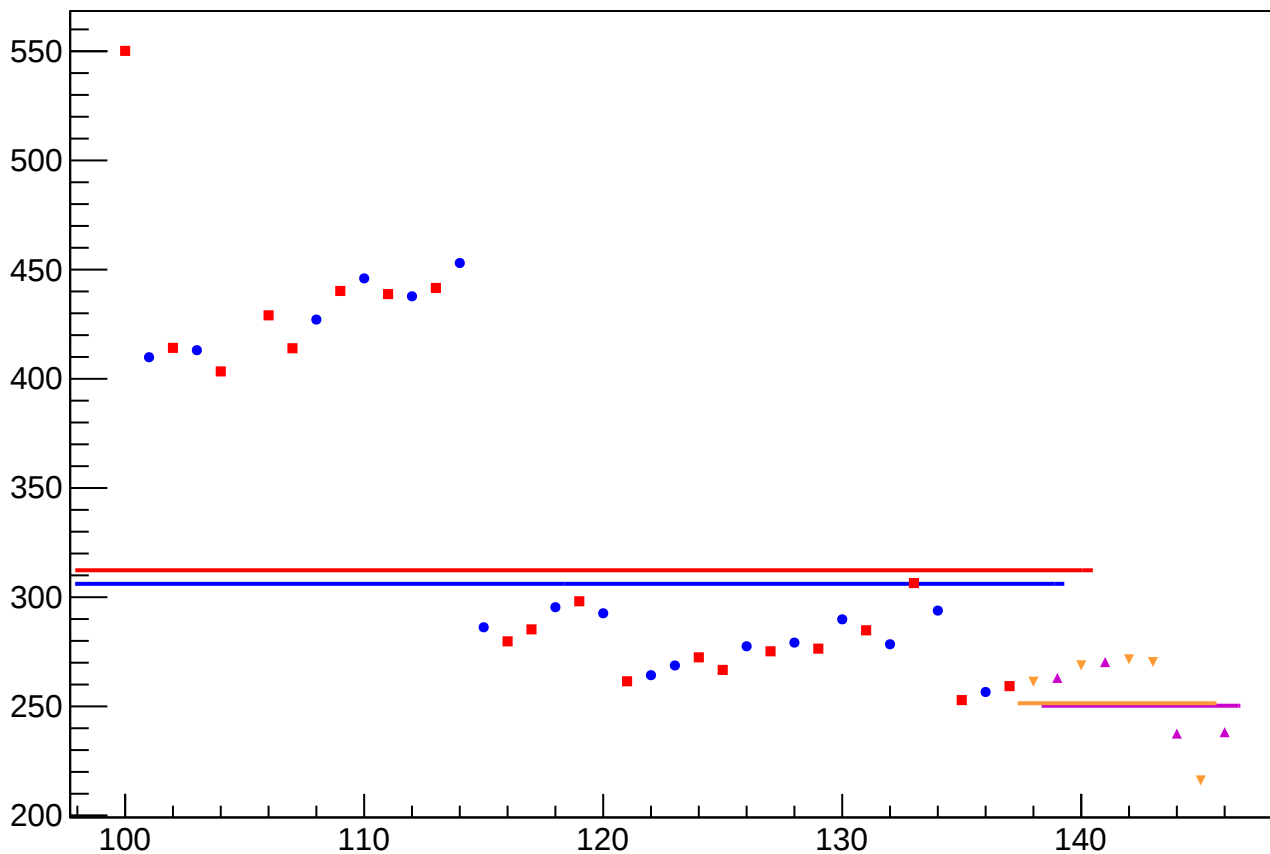
Left In: -204.878+/-139.692 χ^2/NDF : 3.8/3

167.523+/-90.860 χ^2/NDF : 22.7/21

94.228+/-64.288 χ^2/NDF : 41.8/45

20.751+/-90.973 χ^2/NDF : 17.8/23

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 251.456+/-0.097 χ^2/NDF : 60795.6/4

Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

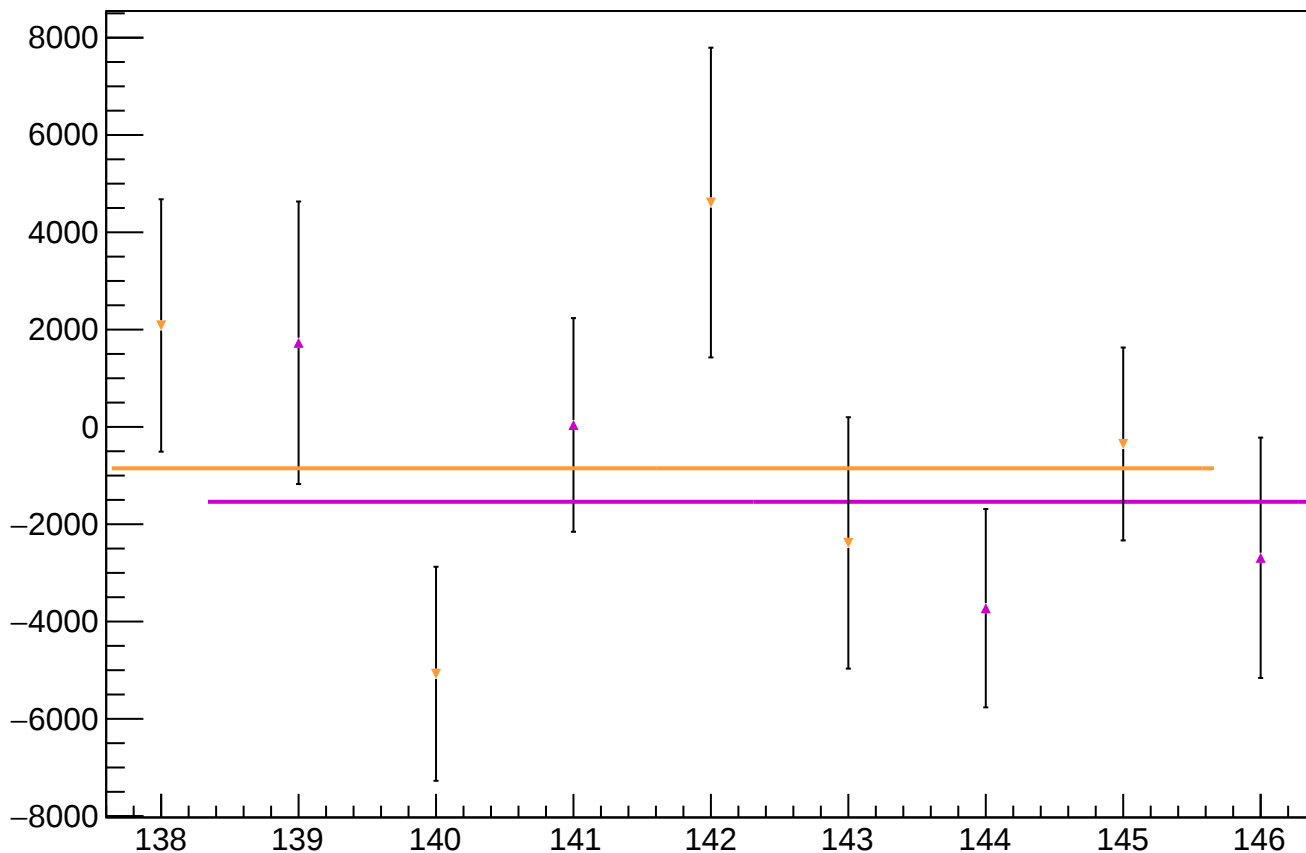
Left In: 250.319+/-0.099 χ^2/NDF : 21671.8/3

282.257+/-0.064 χ^2/NDF : 747318.7/21

284.143+/-0.045 χ^2/NDF : 1624269.1/45

286.033+/-0.064 χ^2/NDF : 875225.3/23

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -850.781+/-1079.410 χ^2/NDF : 8.3/4

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

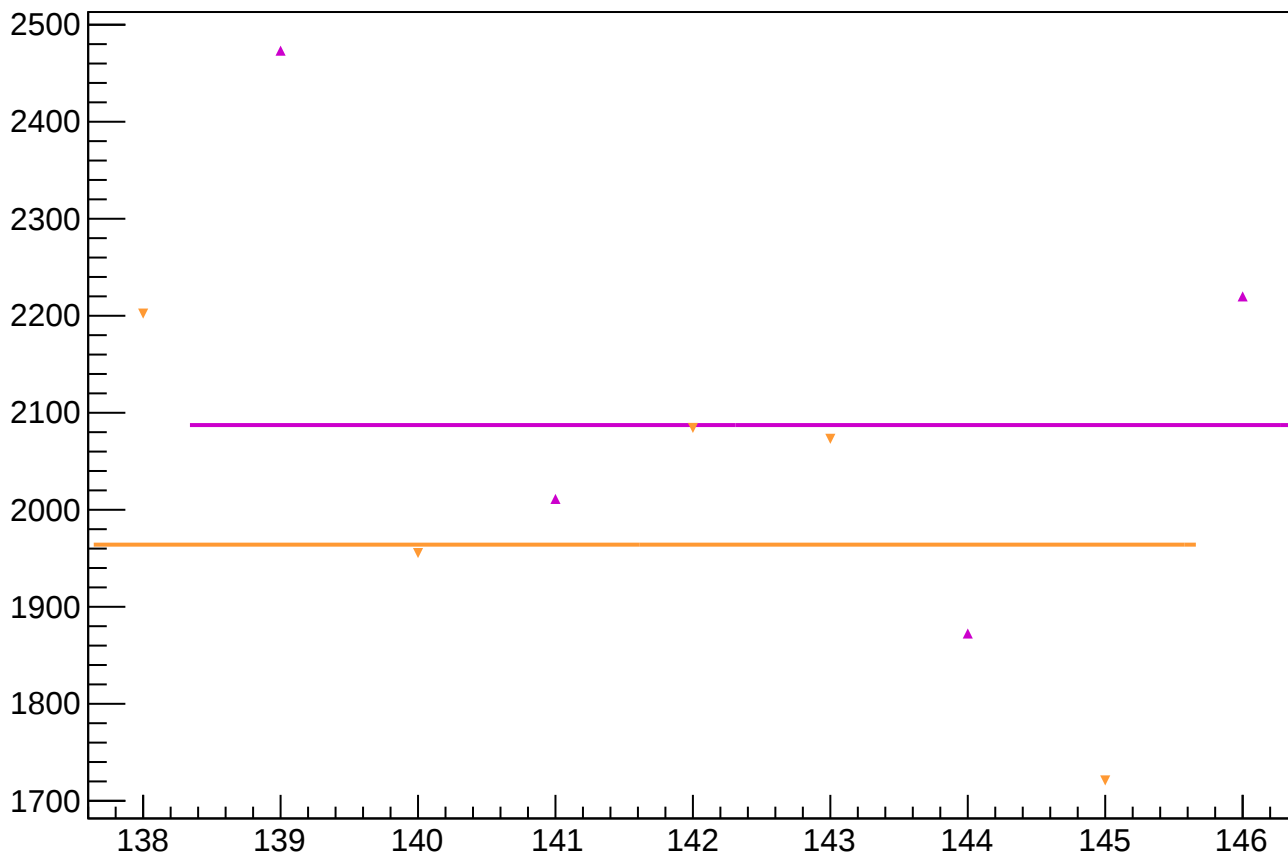
Left In: -1538.739+/-1169.824 χ^2/NDF : 3.2/3

-850.781+/-1079.410 χ^2/NDF : 8.3/4

-1167.150+/-793.298 χ^2/NDF : 11.7/8

-1538.739+/-1169.824 χ^2/NDF : 3.2/3

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 1964.070+/-0.763 χ^2/NDF : 53371.1/4

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

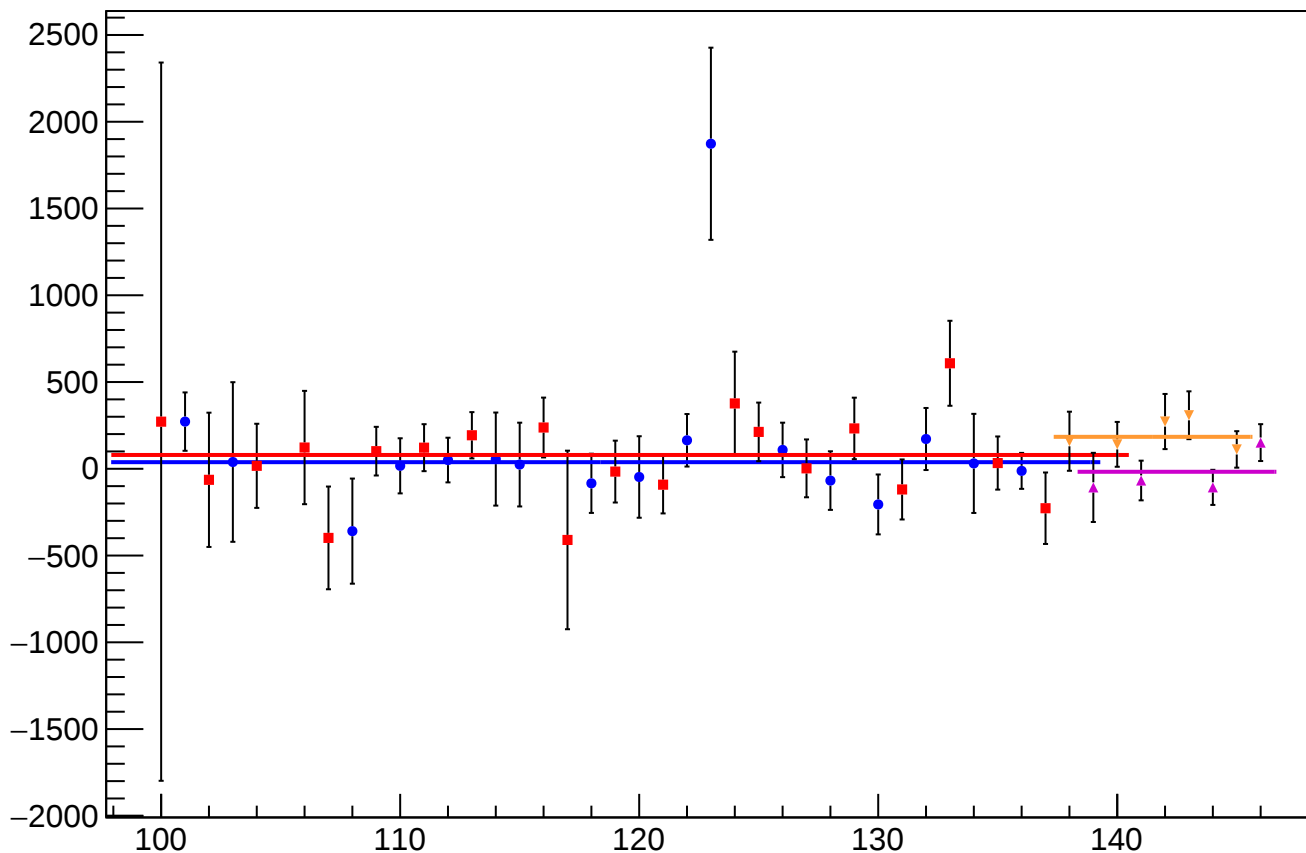
Left In: 2087.335+/-0.827 χ^2/NDF : 65739.1/3

1964.070+/-0.763 χ^2/NDF : 53371.1/4

2020.756+/-0.561 χ^2/NDF : 131104.3/8

2087.335+/-0.827 χ^2/NDF : 65739.1/3

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 184.166+/-60.078 χ^2/NDF : 1.7/4

Right Out: 79.665+/-42.948 χ^2/NDF : 17.6/19

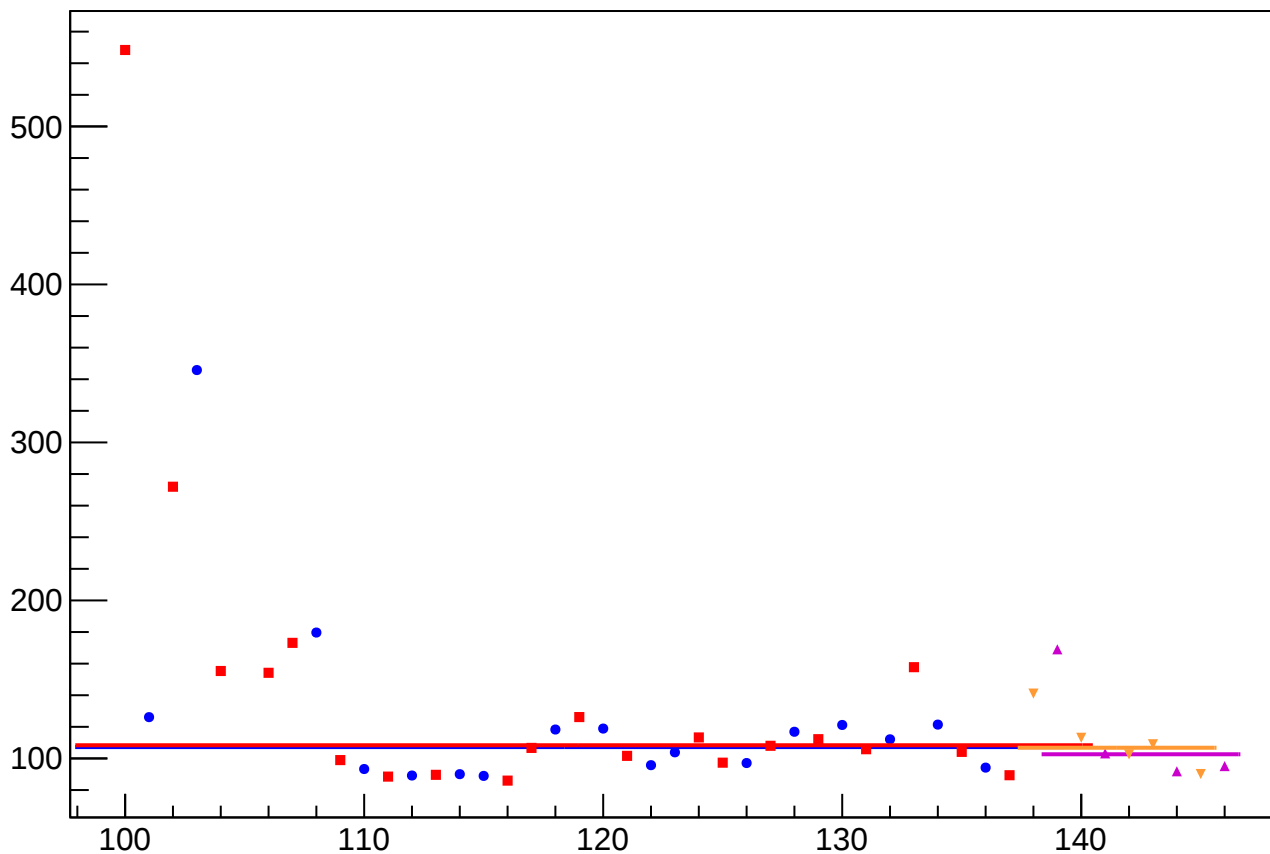
Left In: -17.245+/-58.921 χ^2/NDF : 3.7/3

88.428+/-35.259 χ^2/NDF : 25.0/21

66.899+/-24.734 χ^2/NDF : 48.8/45

46.041+/-34.706 χ^2/NDF : 23.1/23

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 106.775 $\pm$ 0.042 χ^2 /NDF:137762.5/4

Right Out: 108.347 $\pm$ 0.030 χ^2 /NDF: 917309.2/19

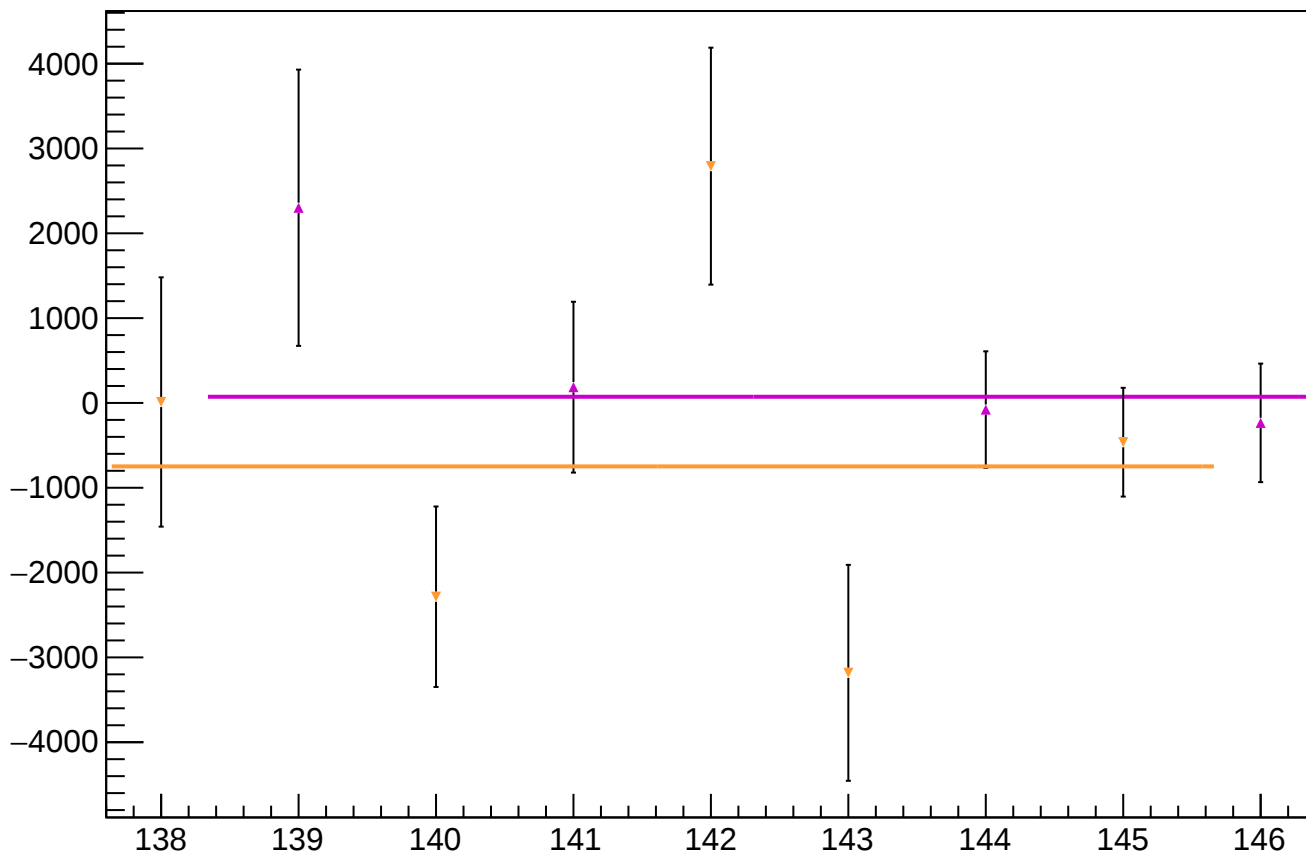
Left In: 102.638 $\pm$ 0.042 χ^2 /NDF:254938.0/3

107.046 $\pm$ 0.025 χ^2 /NDF: 980939.8/21

106.701 $\pm$ 0.017 χ^2 /NDF: 2165827.5/45

106.366 $\pm$ 0.025 χ^2 /NDF: 1184509.7/23

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -748.039+/-451.361 χ^2/NDF : 12.6/4

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

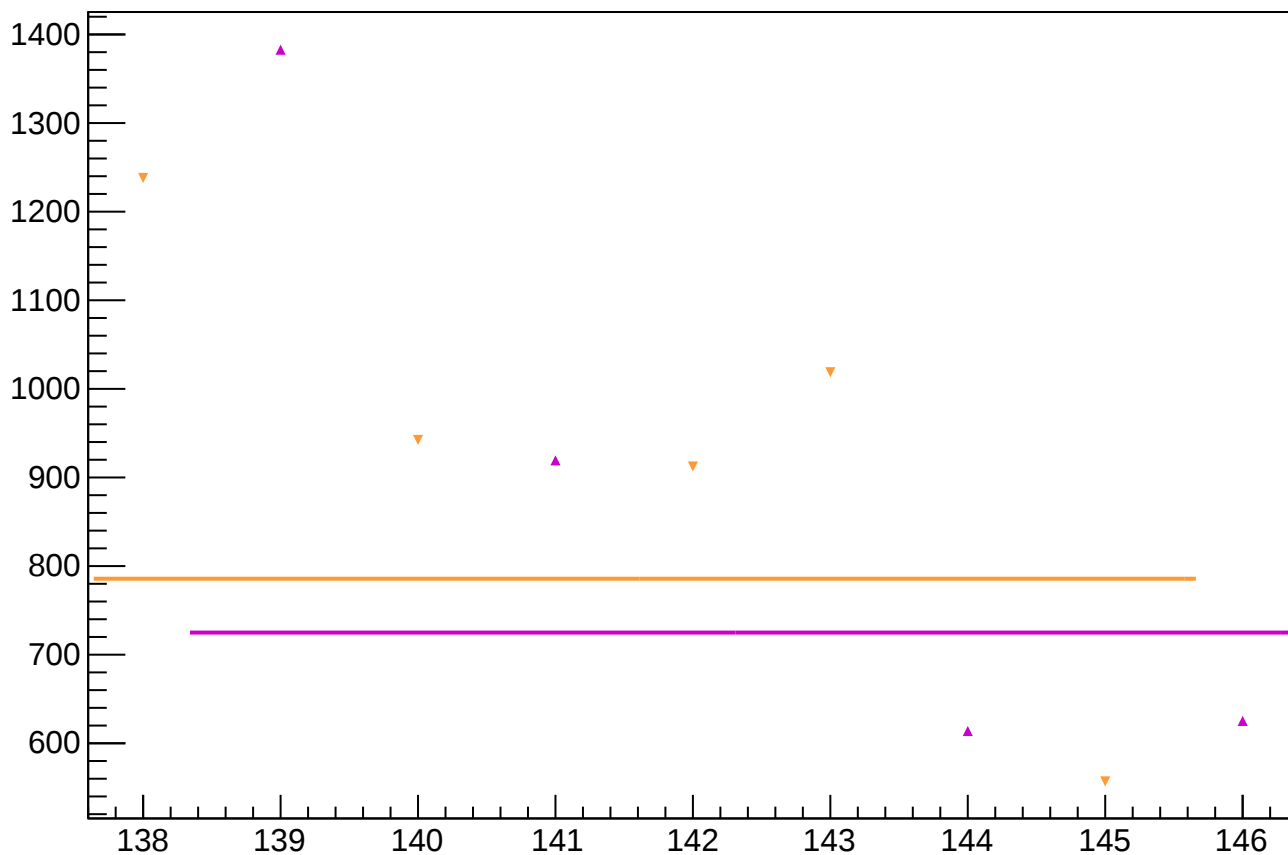
Left In: 73.019+/-425.203 χ^2/NDF : 2.1/3

-748.039+/-451.361 χ^2/NDF : 12.6/4

-313.030+/-309.499 χ^2/NDF : 16.5/8

73.019+/-425.203 χ^2/NDF : 2.1/3

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 785.731+/-0.319 χ^2/NDF : 570794.0/4

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

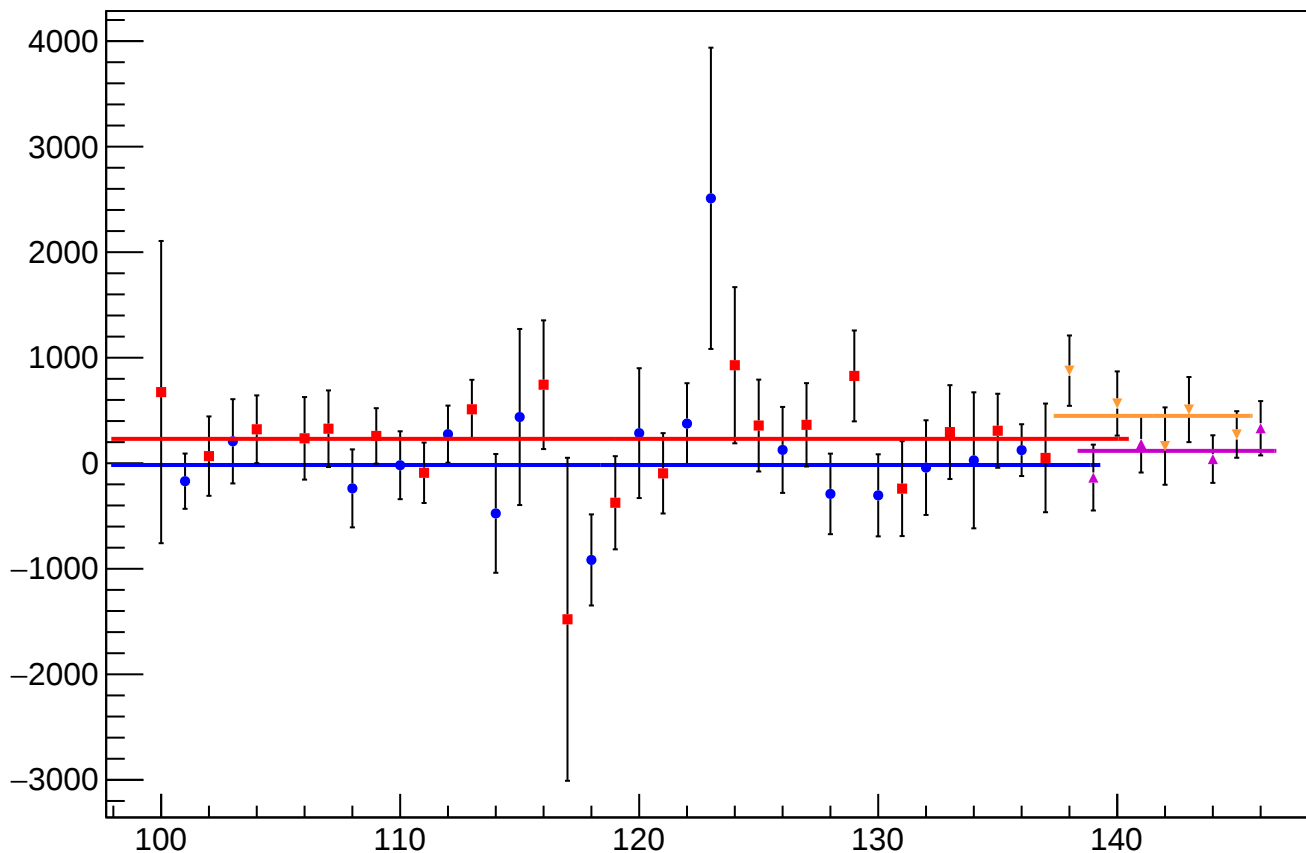
Left In: 724.961+/-0.301 χ^2/NDF : 493895.7/3

785.731+/-0.319 χ^2/NDF : 570794.0/4

753.534+/-0.219 χ^2/NDF : 1083897.6/8

724.961+/-0.301 χ^2/NDF : 493895.7/3

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 448.935 ± 130.962 χ^2/NDF : 3.1/4

Right Out: 231.209 ± 88.787 χ^2/NDF : 11.6/19

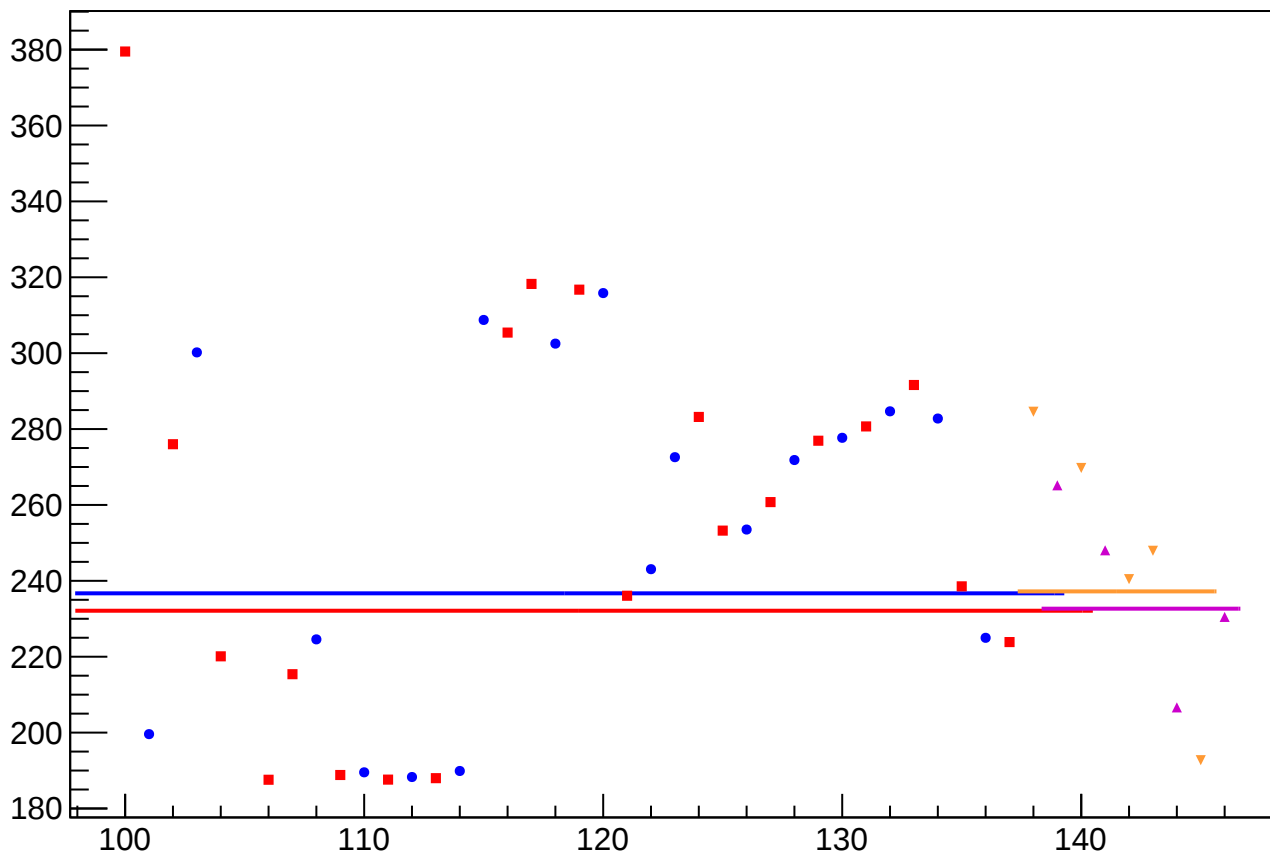
Left In: 117.358 ± 130.502 χ^2/NDF : 1.5/3

140.190 ± 75.980 χ^2/NDF : 24.9/21

168.634 ± 52.793 χ^2/NDF : 38.8/45

195.185 ± 73.409 χ^2/NDF : 13.6/23

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 237.217+/-0.093 χ^2/NDF : 147124.8/4

Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

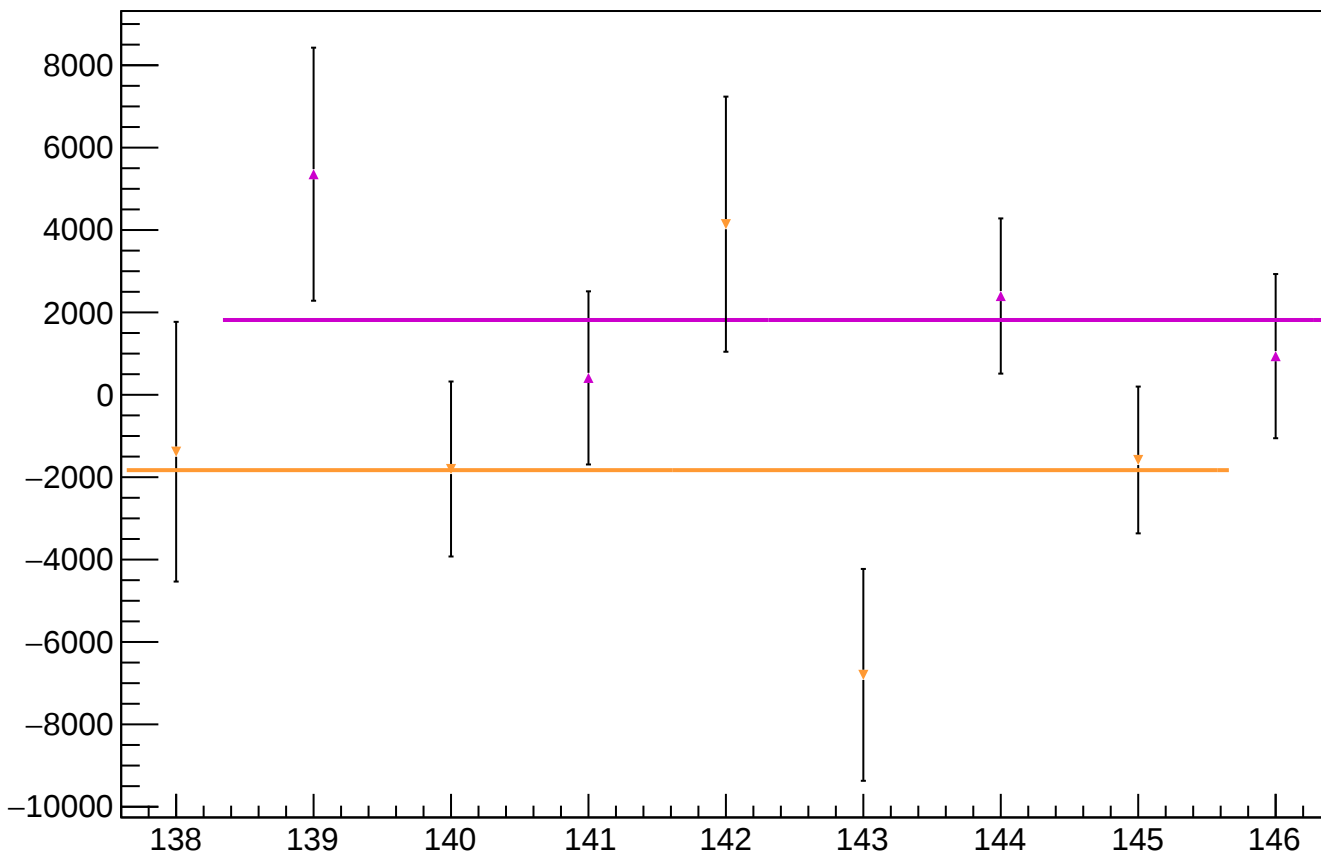
Left In: 232.660+/-0.092 χ^2/NDF : 54962.0/3

236.878+/-0.054 χ^2/NDF : 537489.9/21

234.505+/-0.037 χ^2/NDF : 1045879.9/45

232.290+/-0.052 χ^2/NDF : 504618.5/23

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -1828.896+/-1058.266 χ^2/NDF : 7.5/4

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

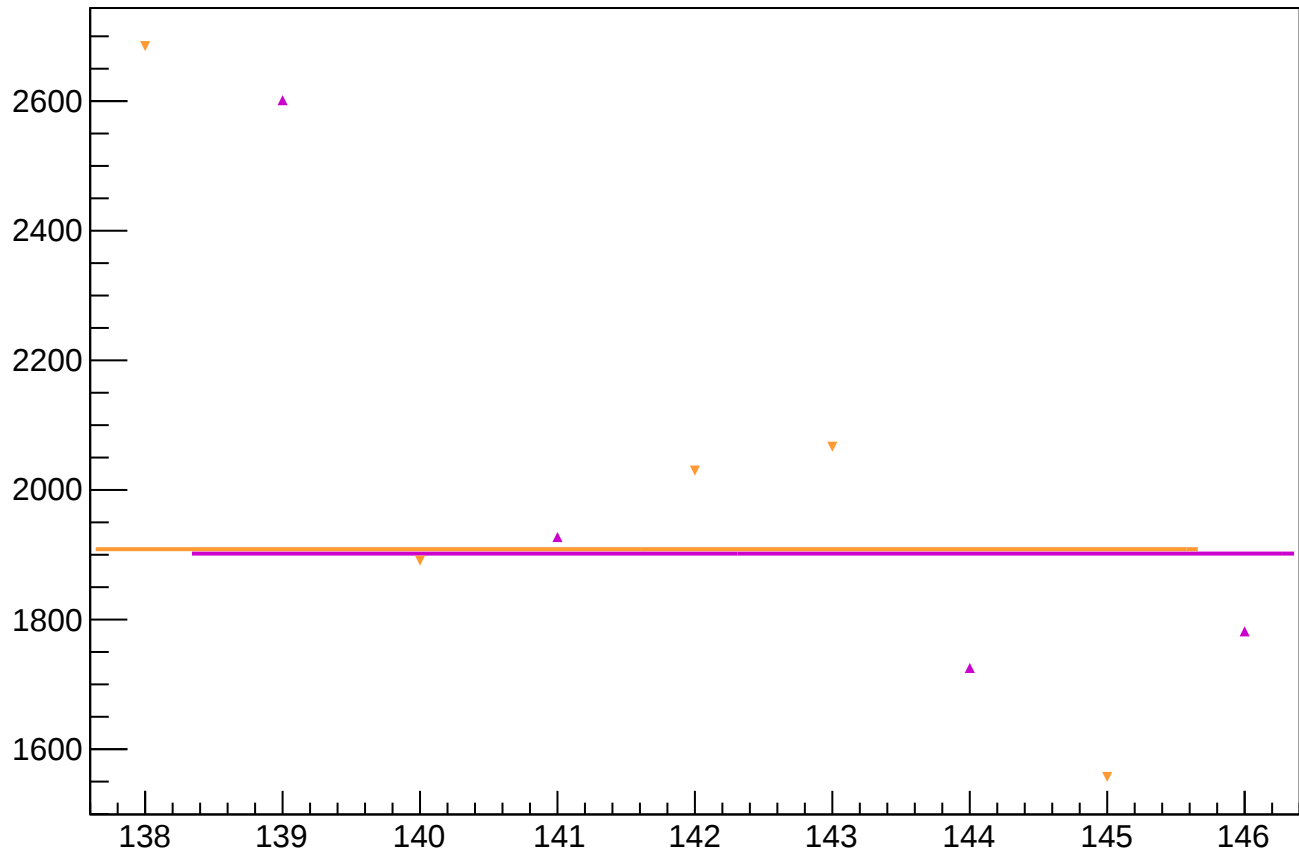
Left In: 1815.879+/-1074.548 χ^2/NDF : 2.1/3

-1828.896+/-1058.266 χ^2/NDF : 7.5/4

-34.331+/-753.998 χ^2/NDF : 15.4/8

1815.879+/-1074.548 χ^2/NDF : 2.1/3

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 1908.633+/-0.748 χ^2/NDF : 209894.6/4

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

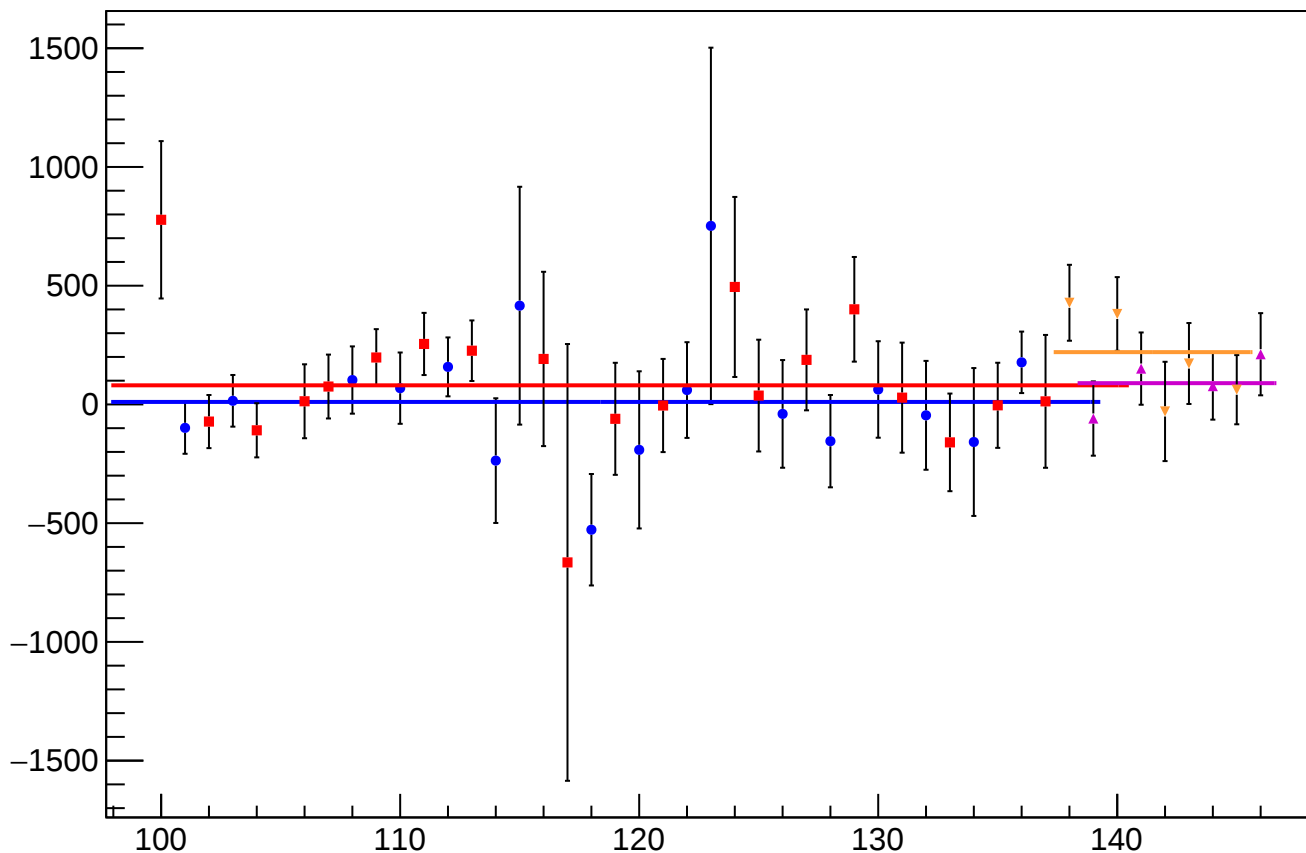
Left In: 1901.825+/-0.760 χ^2/NDF : 128872.5/3

1908.633+/-0.748 χ^2/NDF : 209894.6/4

1905.281+/-0.533 χ^2/NDF : 338807.8/8

1901.825+/-0.760 χ^2/NDF : 128872.5/3

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2/NDF : 14.1/16

Left Out: 220.241 $\pm$ 73.507 χ^2/NDF : 5.4/4

Right Out: 80.462 $\pm$ 38.950 χ^2/NDF : 19.9/19

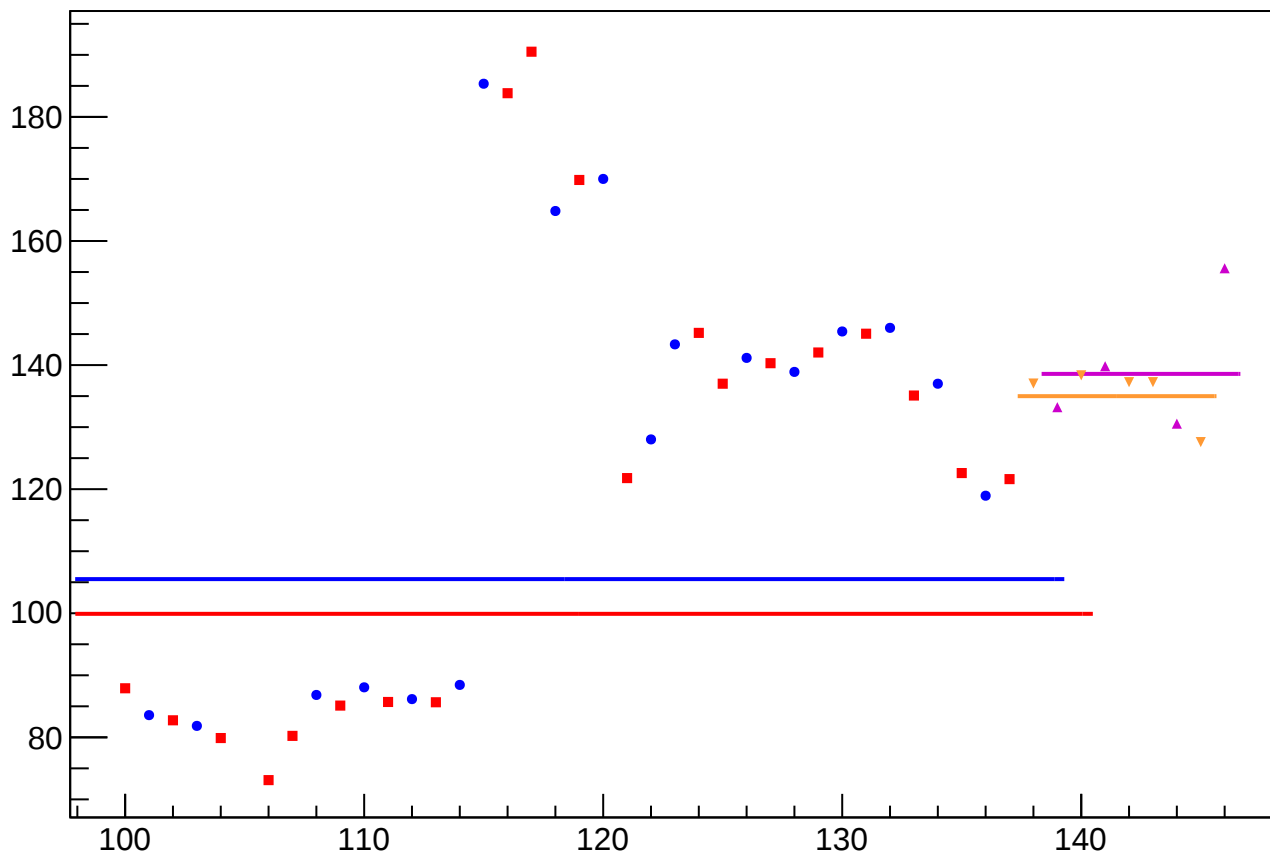
Left In: 89.572 $\pm$ 77.230 χ^2/NDF : 1.6/3

62.689 $\pm$ 36.659 χ^2/NDF : 25.6/21

73.016 $\pm$ 25.230 χ^2/NDF : 47.2/45

82.309 $\pm$ 34.777 χ^2/NDF : 21.4/23

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2/NDF : 869022.6/16

Left Out: 134.991 $\pm$ 0.052 χ^2/NDF : 7009.7/4

Right Out: 99.907 $\pm$ 0.028 χ^2/NDF : 1019545.3/19

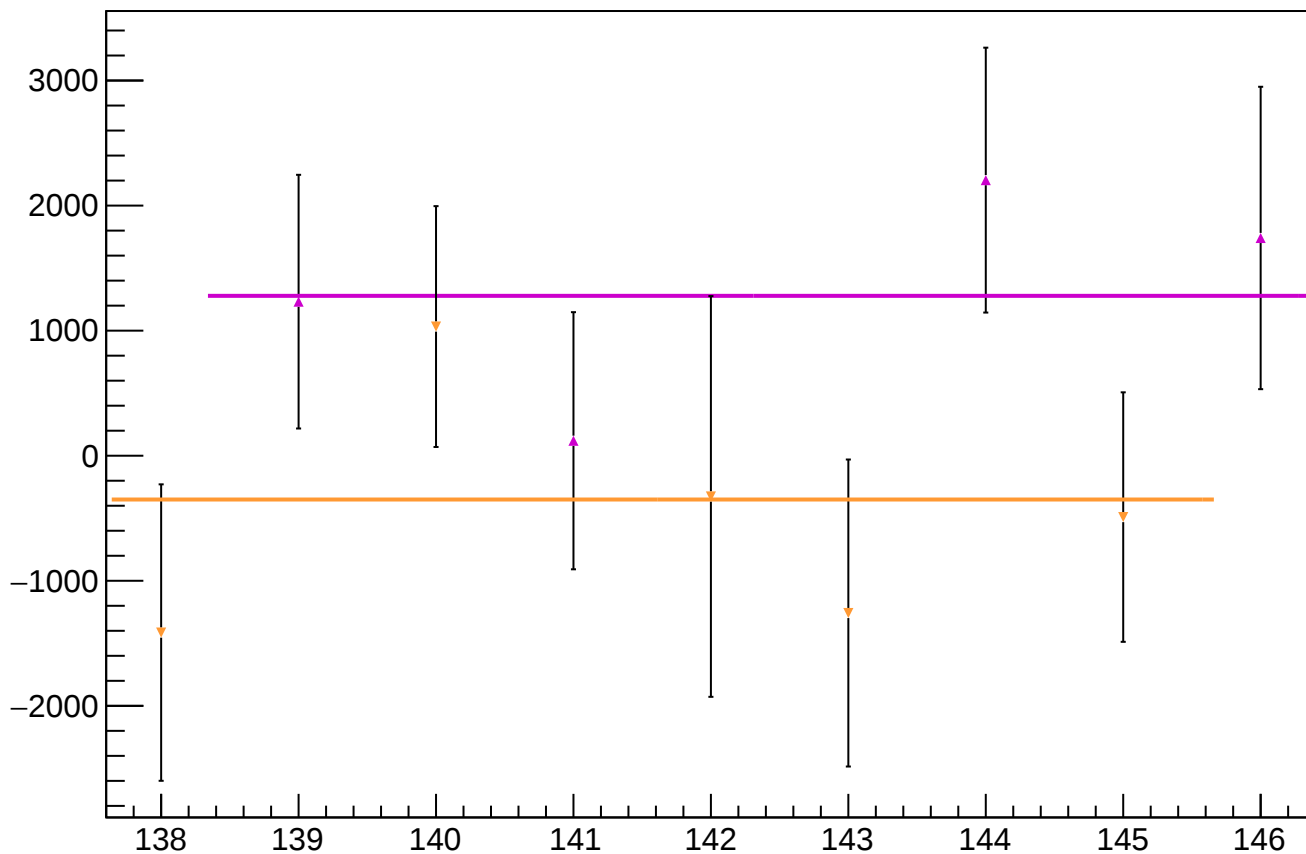
Left In: 138.581 $\pm$ 0.055 χ^2/NDF : 28308.9/3

112.837 $\pm$ 0.026 χ^2/NDF : 1117835.9/21

110.159 $\pm$ 0.018 χ^2/NDF : 2585800.3/45

107.749 $\pm$ 0.025 χ^2/NDF : 1447688.6/23

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -350.175+/-509.736 χ^2/NDF : 3.4/4

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

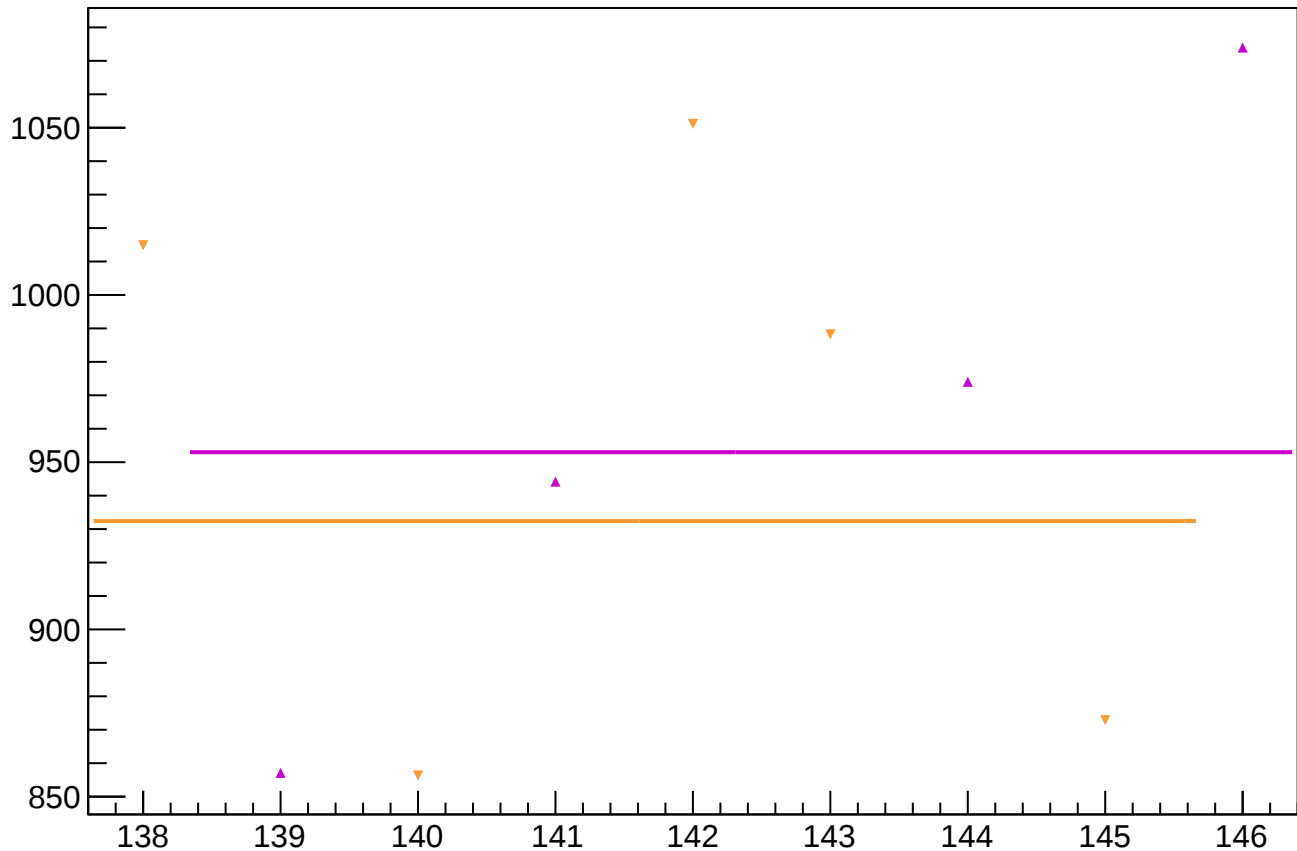
Left In: 1278.417+/-534.971 χ^2/NDF : 2.2/3

-350.175+/-509.736 χ^2/NDF : 3.4/4

424.804+/-369.036 χ^2/NDF : 10.5/8

1278.417+/-534.971 χ^2/NDF : 2.2/3

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 932.427+/-0.360 χ^2/NDF : 44413.6/4

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

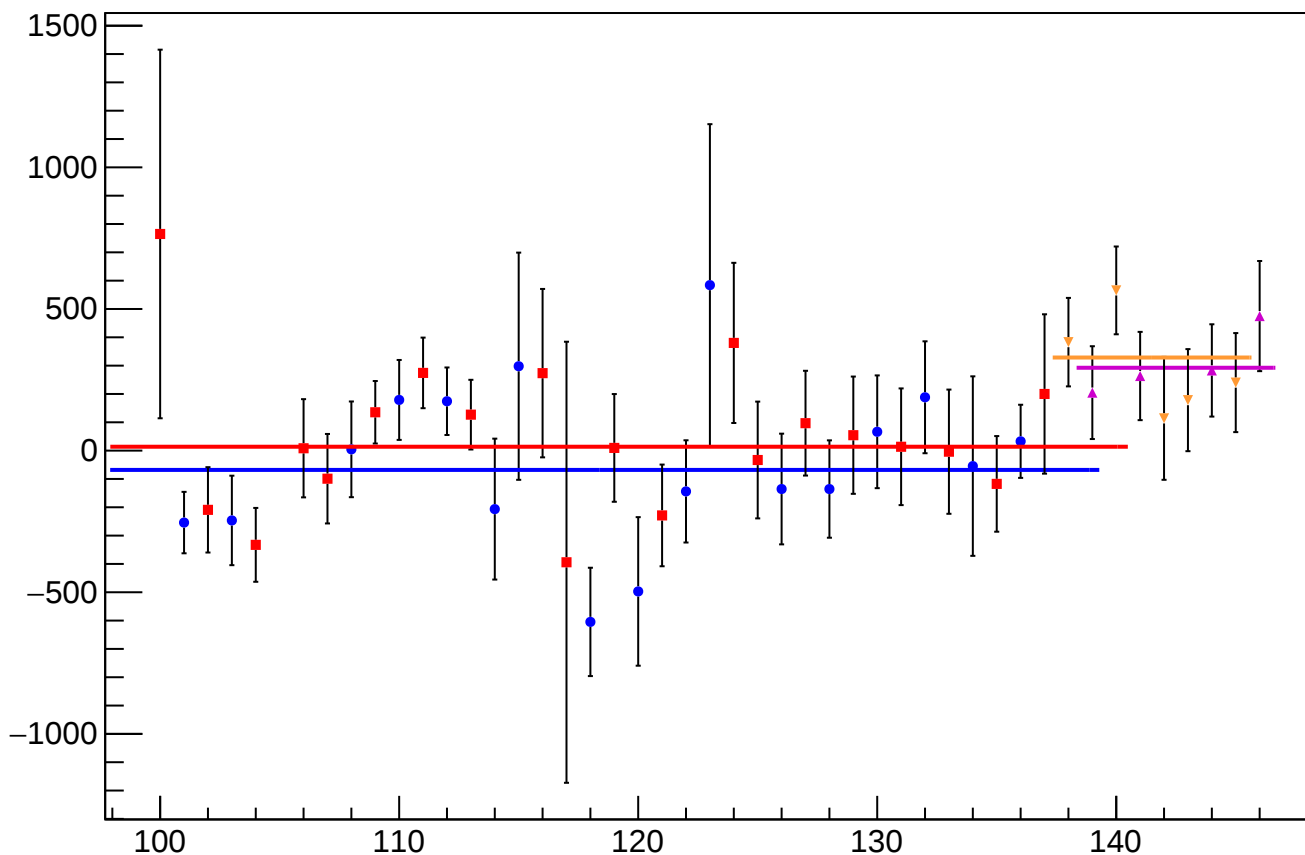
Left In: 952.997+/-0.378 χ^2/NDF : 38837.0/3

932.427+/-0.360 χ^2/NDF : 44413.6/4

942.215+/-0.261 χ^2/NDF : 84800.4/8

952.997+/-0.378 χ^2/NDF : 38837.0/3

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 328.664 ± 77.286 χ^2/NDF : 4.4/4

Right Out: 13.752 ± 39.416 χ^2/NDF : 23.4/19

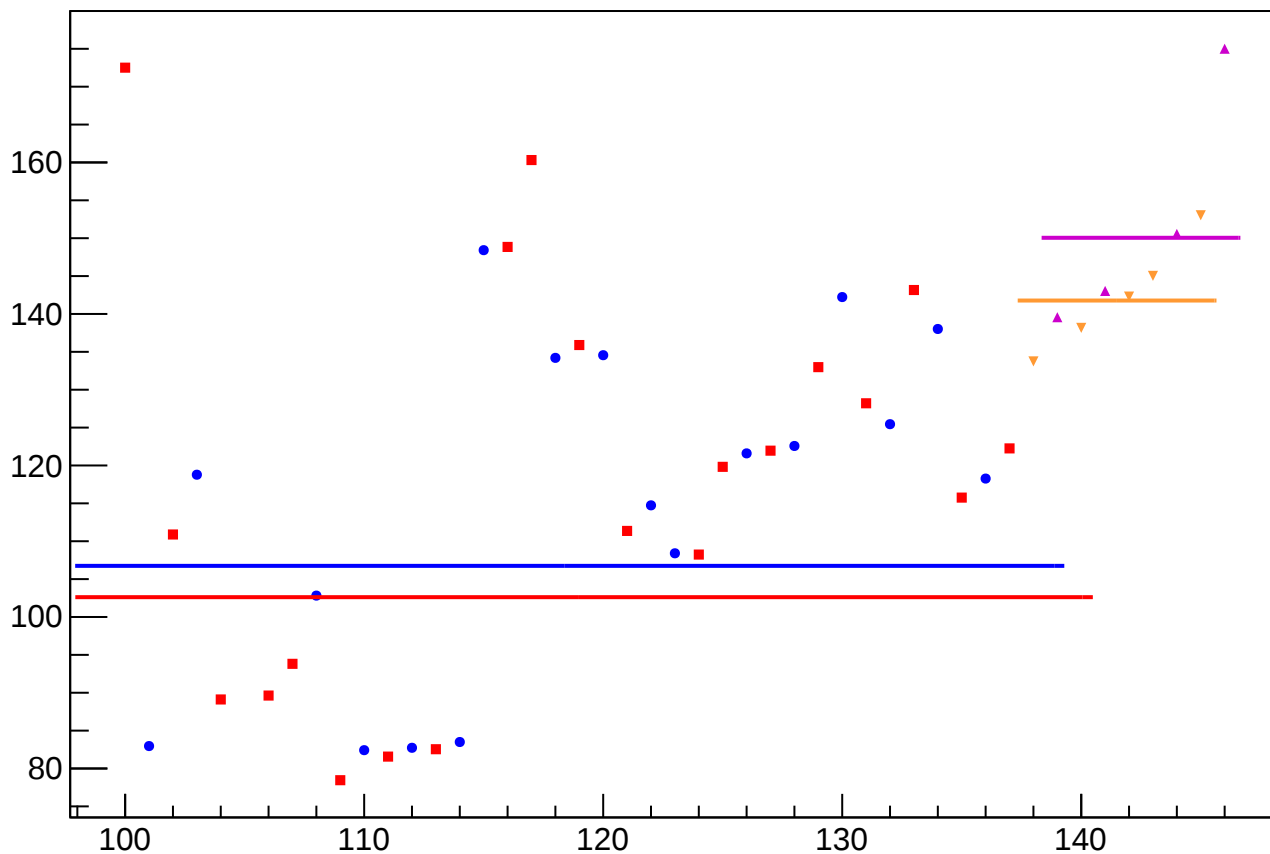
Left In: 292.514 ± 83.745 χ^2/NDF : 1.2/3

23.233 ± 37.082 χ^2/NDF : 52.5/21

44.571 ± 25.705 χ^2/NDF : 86.8/45

64.306 ± 35.663 χ^2/NDF : 33.7/23

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2/NDF : 501742.8/16

Left Out: 141.772 $\pm$ 0.055 χ^2/NDF : 15330.0/4

Right Out: 102.615 $\pm$ 0.028 χ^2/NDF : 600357.6/19

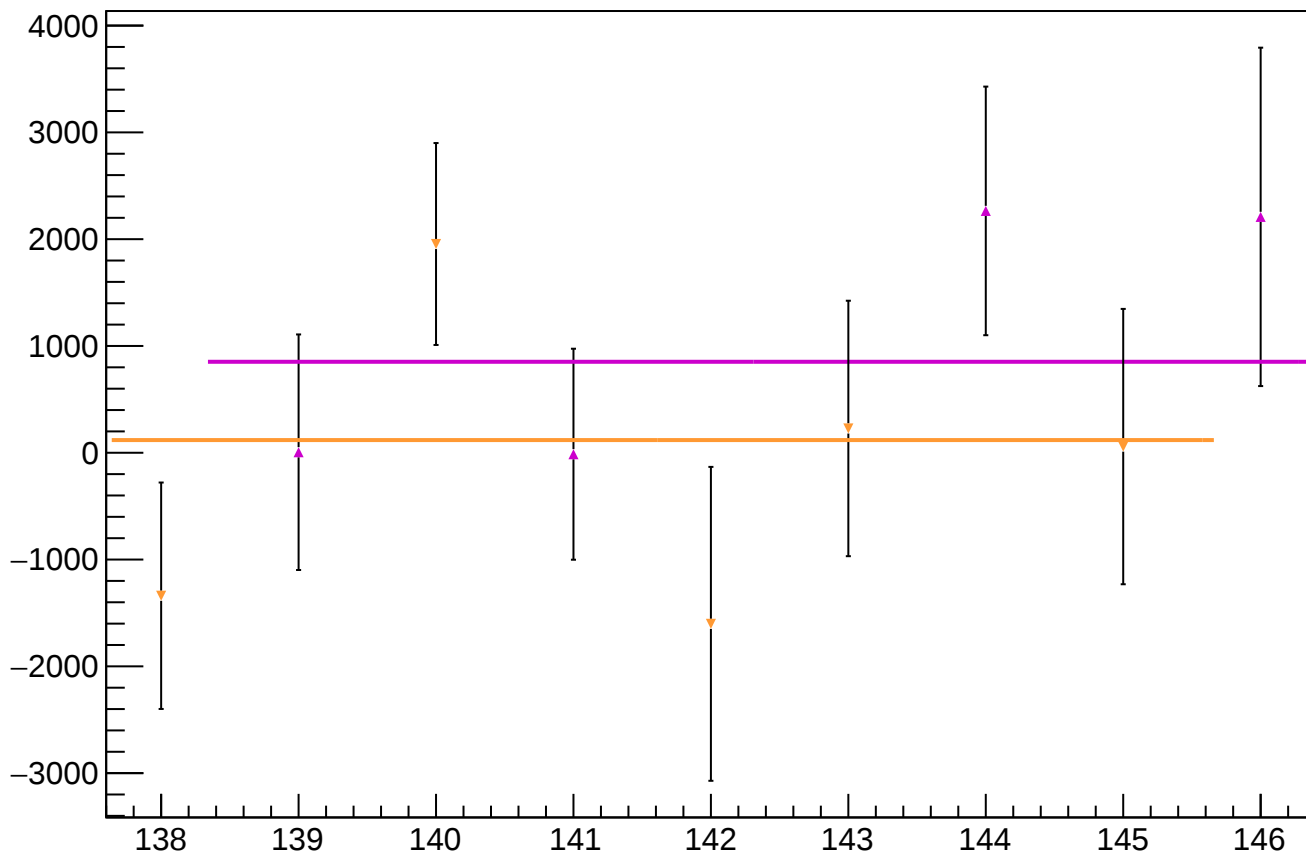
Left In: 150.054 $\pm$ 0.059 χ^2/NDF : 45219.7/3

114.812 $\pm$ 0.026 χ^2/NDF : 833221.2/21

112.945 $\pm$ 0.018 χ^2/NDF : 2013938.1/45

111.218 $\pm$ 0.025 χ^2/NDF : 1170958.5/23

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 118.754+/-514.888 χ^2/NDF : 7.0/4

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

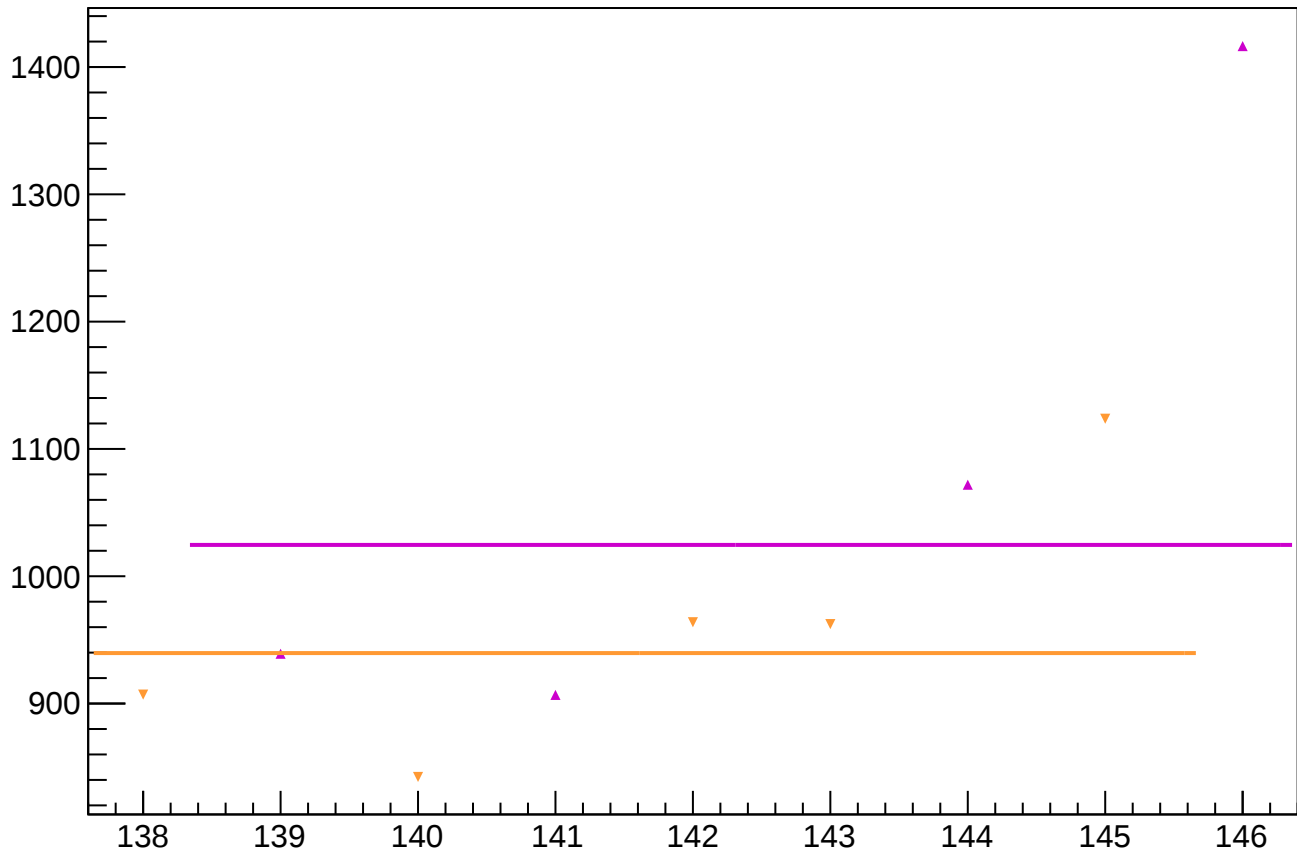
Left In: 851.960+/-578.962 χ^2/NDF : 3.6/3

118.754+/-514.888 χ^2/NDF : 7.0/4

442.555+/-384.748 χ^2/NDF : 11.5/8

851.960+/-578.962 χ^2/NDF : 3.6/3

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 939.644+/-0.364 χ^2/NDF : 65126.5/4

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

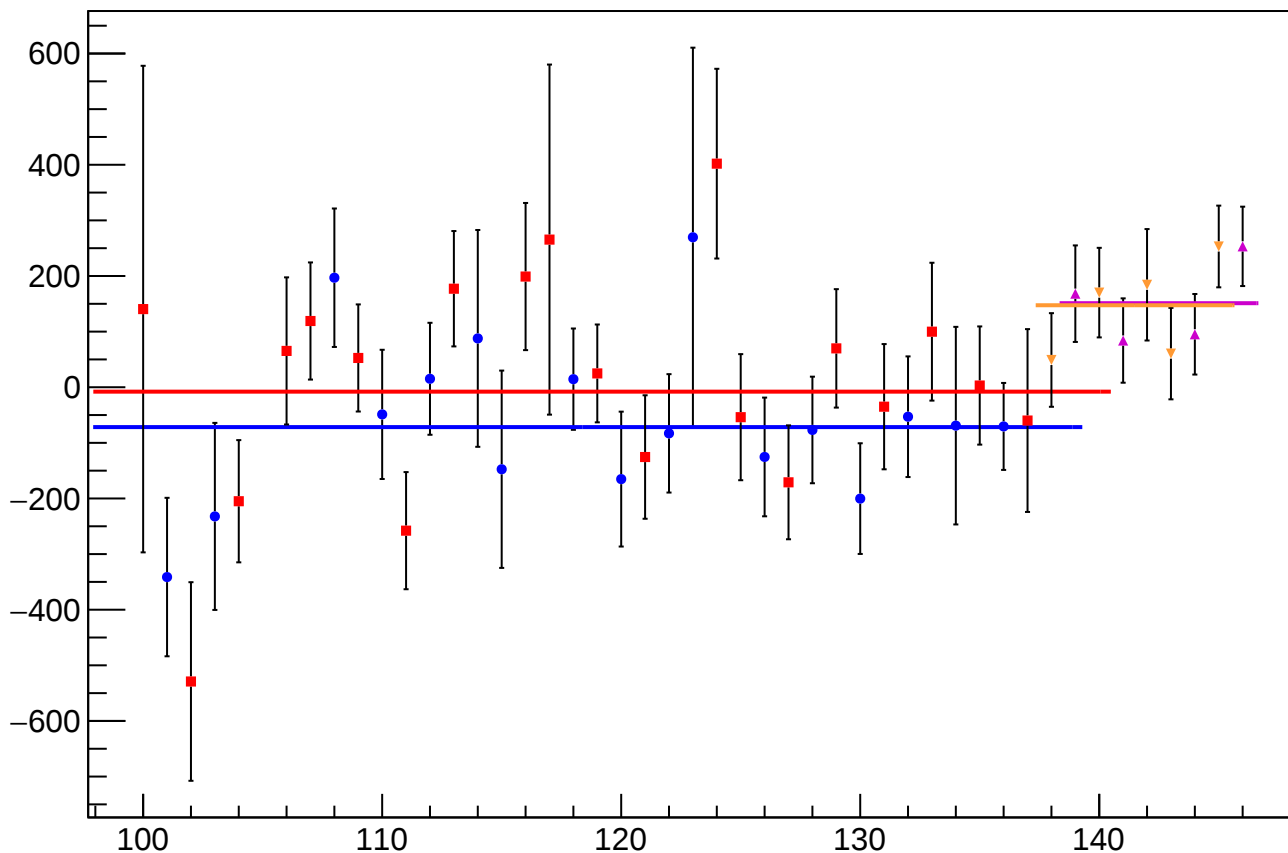
Left In: 1024.606+/-0.409 χ^2/NDF : 166093.0/3

939.644+/-0.364 χ^2/NDF : 65126.5/4

977.165+/-0.272 χ^2/NDF : 255268.6/8

1024.606+/-0.409 χ^2/NDF : 166093.0/3

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 147.421 ± 37.056 $\chi^2/\text{NDF}: 4.8/4$

Right Out: -7.933 ± 26.719 $\chi^2/\text{NDF}: 37.2/19$

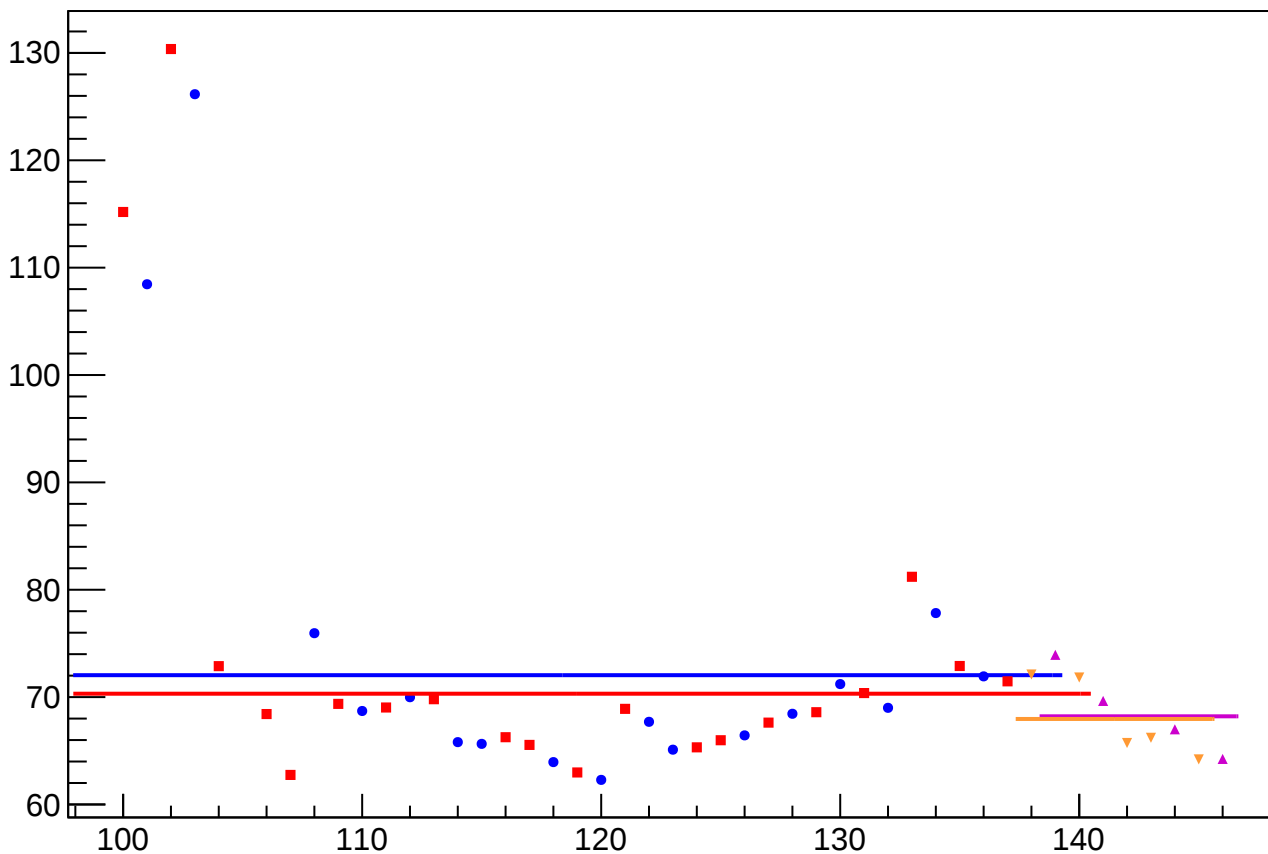
Left In: 151.108 ± 37.967 $\chi^2/\text{NDF}: 3.5/3$

9.251 ± 22.520 $\chi^2/\text{NDF}: 42.1/21$

27.533 ± 15.682 $\chi^2/\text{NDF}: 95.8/45$

44.744 ± 21.851 $\chi^2/\text{NDF}: 52.4/23$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 67.964 $\pm$ 0.026 χ^2 /NDF: 16606.6/4

Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

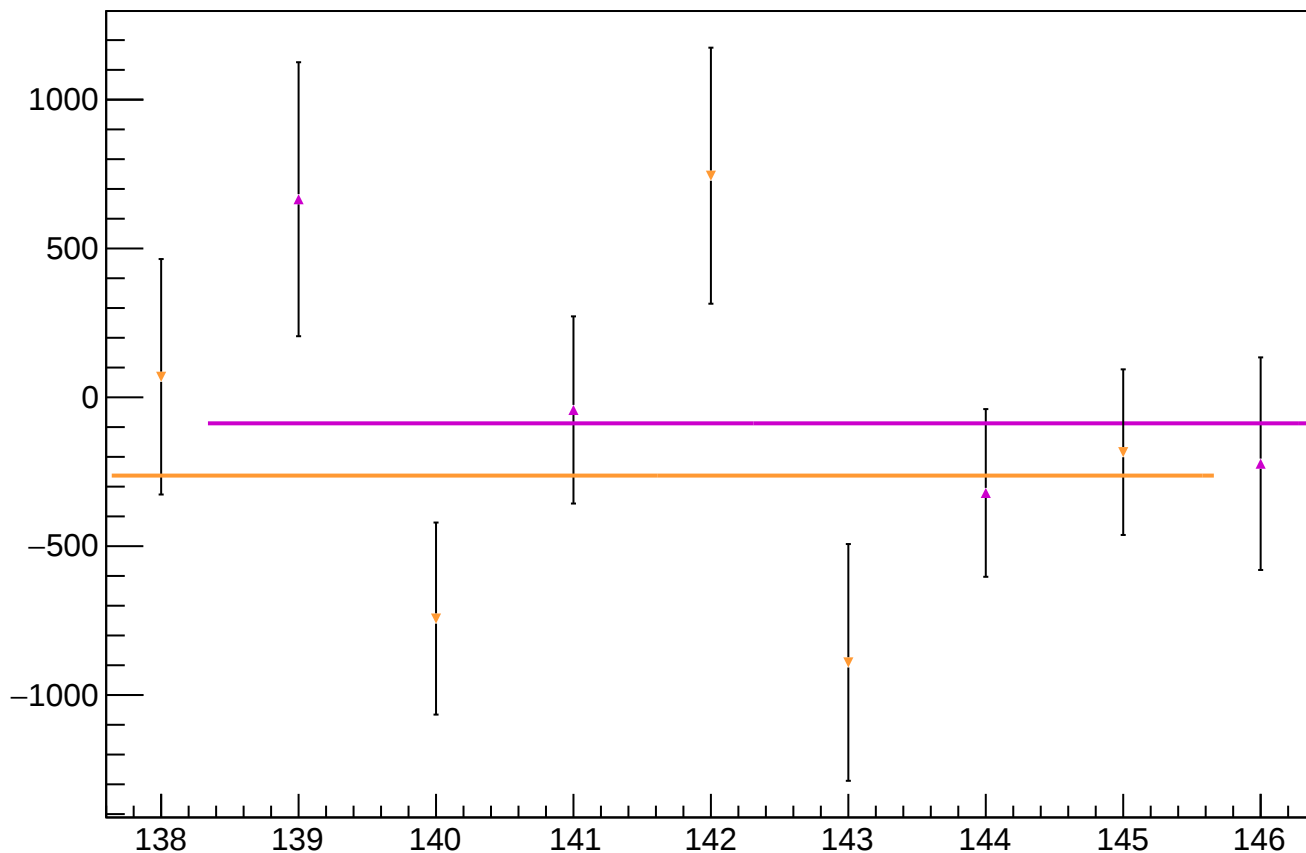
Left In: 68.211 $\pm$ 0.027 χ^2 /NDF: 16167.6/3

70.536 $\pm$ 0.016 χ^2 /NDF: 423856.8/21

70.064 $\pm$ 0.011 χ^2 /NDF: 745313.9/45

69.619 $\pm$ 0.015 χ^2 /NDF: 319748.8/23

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -262.868+/-156.830 χ^2/NDF : 11.0/4

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

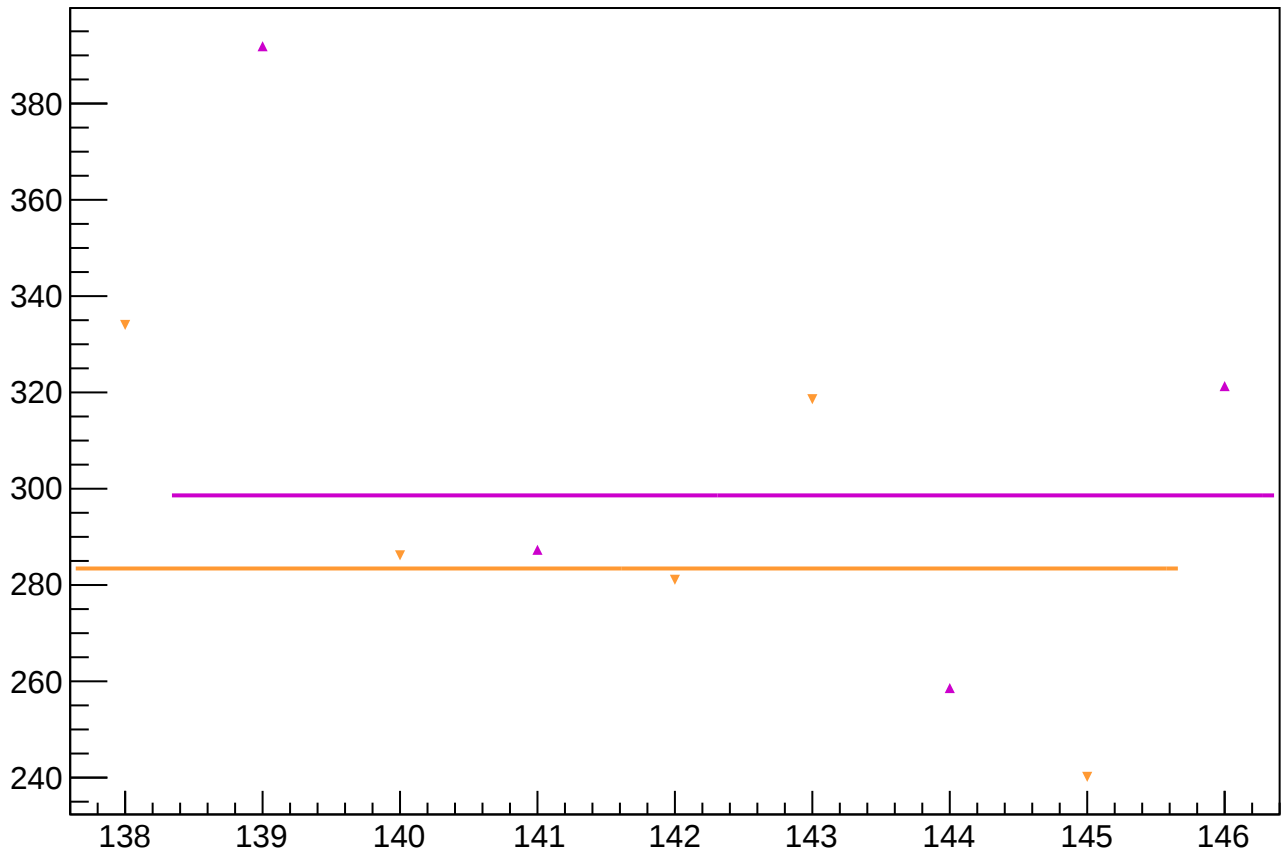
Left In: -87.354+/-168.348 χ^2/NDF : 3.5/3

-262.868+/-156.830 χ^2/NDF : 11.0/4

-181.320+/-114.751 χ^2/NDF : 15.1/8

-87.354+/-168.348 χ^2/NDF : 3.5/3

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 283.433+/-0.111 χ^2/NDF : 96954.8/4

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

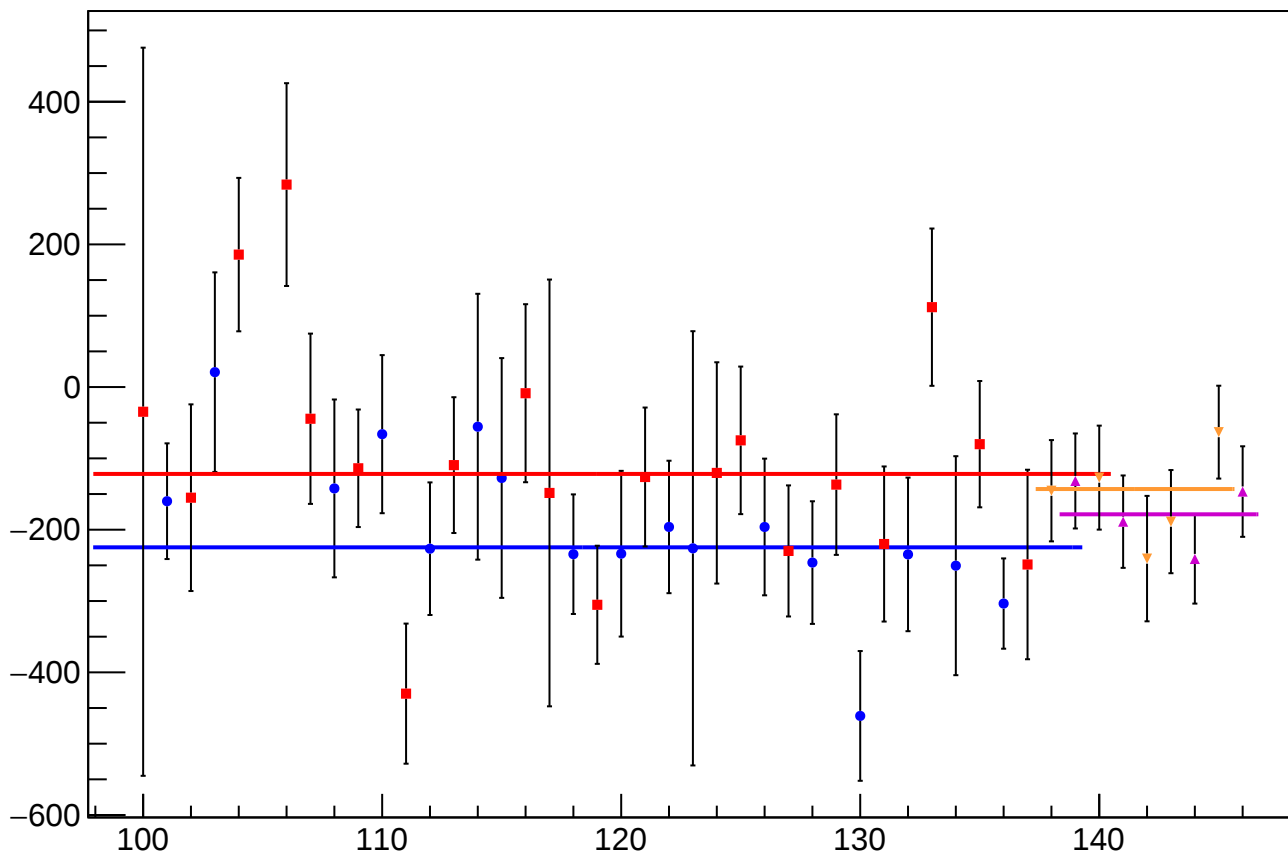
Left In: 298.615+/-0.119 χ^2/NDF : 133195.8/3

283.433+/-0.111 χ^2/NDF : 96954.8/4

290.487+/-0.081 χ^2/NDF : 238858.6/8

298.615+/-0.119 χ^2/NDF : 133195.8/3

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727+/-24.880 χ^2/NDF : 16.0/16

Left Out: -142.985+/-32.564 χ^2/NDF : 3.2/4

Right Out: -121.814+/-24.516 χ^2/NDF : 40.5/19

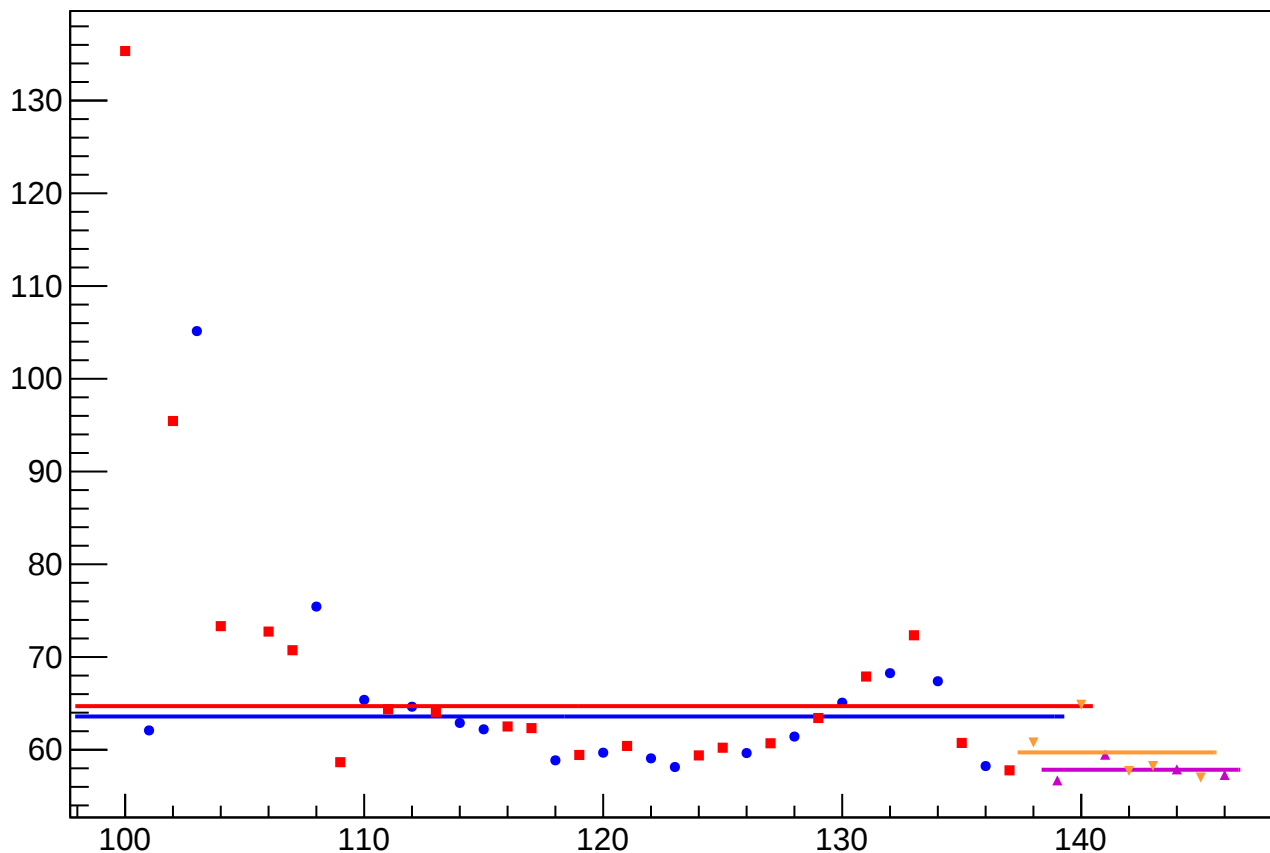
Left In: -178.420+/-32.152 χ^2/NDF : 1.8/3

-194.597+/-19.770 χ^2/NDF : 23.1/21

-168.248+/-13.881 χ^2/NDF : 70.9/45

-142.625+/-19.495 χ^2/NDF : 44.2/23

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 59.715+/-0.023 χ^2/NDF : 15729.7/4

Right Out: 64.704+/-0.017 χ^2/NDF : 227632.6/19

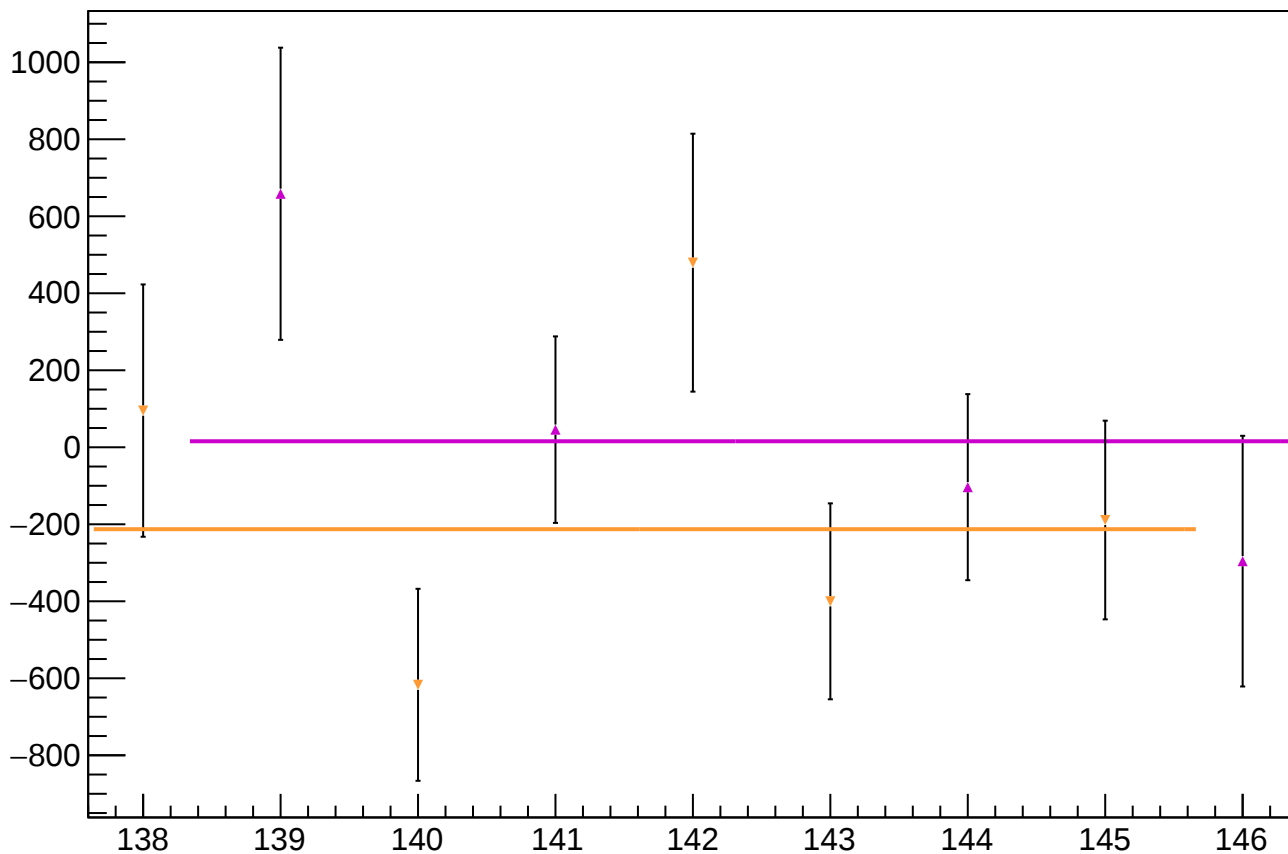
Left In: 57.847+/-0.023 χ^2/NDF : 2004.5/3

62.161+/-0.014 χ^2/NDF : 268207.5/21

62.172+/-0.010 χ^2/NDF : 555373.8/45

62.183+/-0.014 χ^2/NDF : 287165.1/23

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -212.745+/-124.246 χ^2/NDF : 8.3/4

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

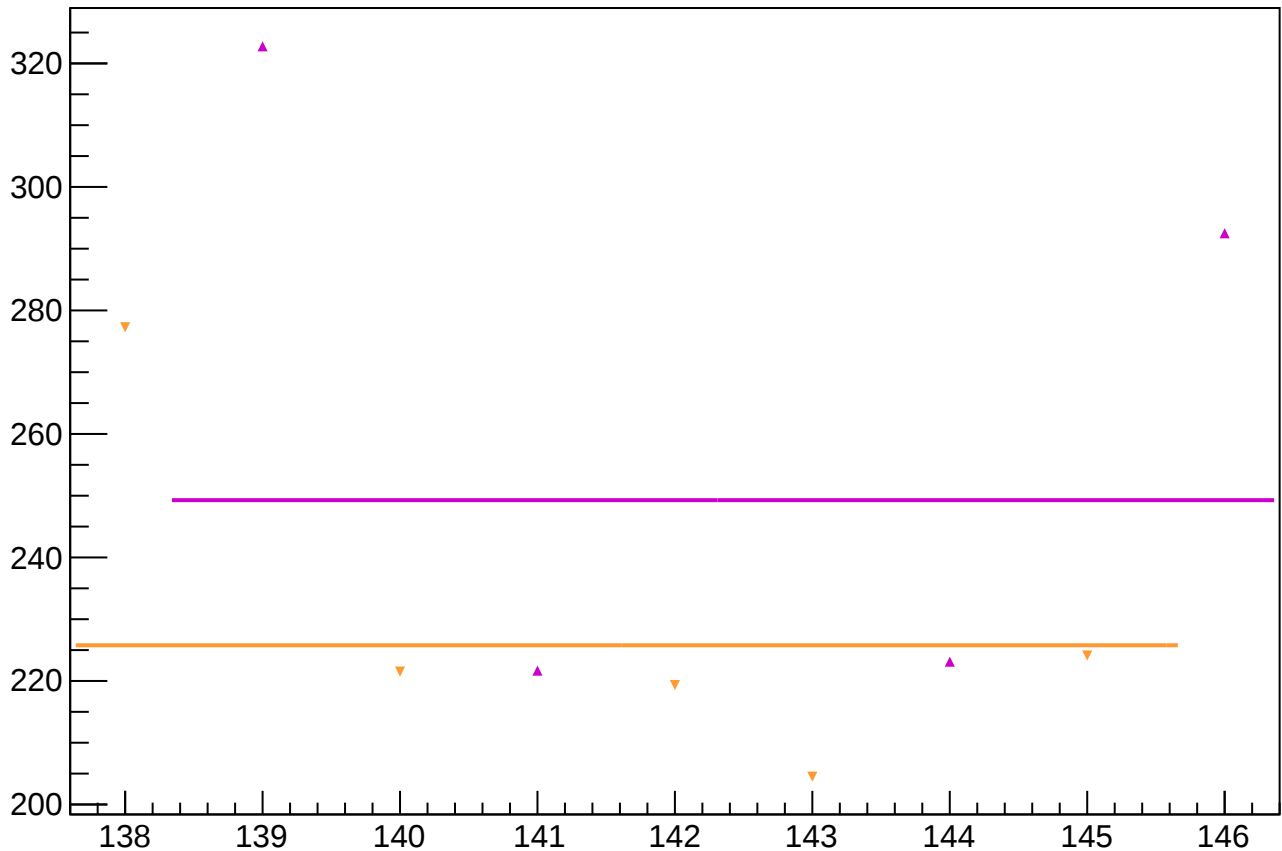
Left In: 15.617+/-140.644 χ^2/NDF : 4.0/3

-212.745+/-124.246 χ^2/NDF : 8.3/4

-112.647+/-93.115 χ^2/NDF : 13.9/8

15.617+/-140.644 χ^2/NDF : 4.0/3

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 225.782+/-0.088 χ^2/NDF : 64795.6/4

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

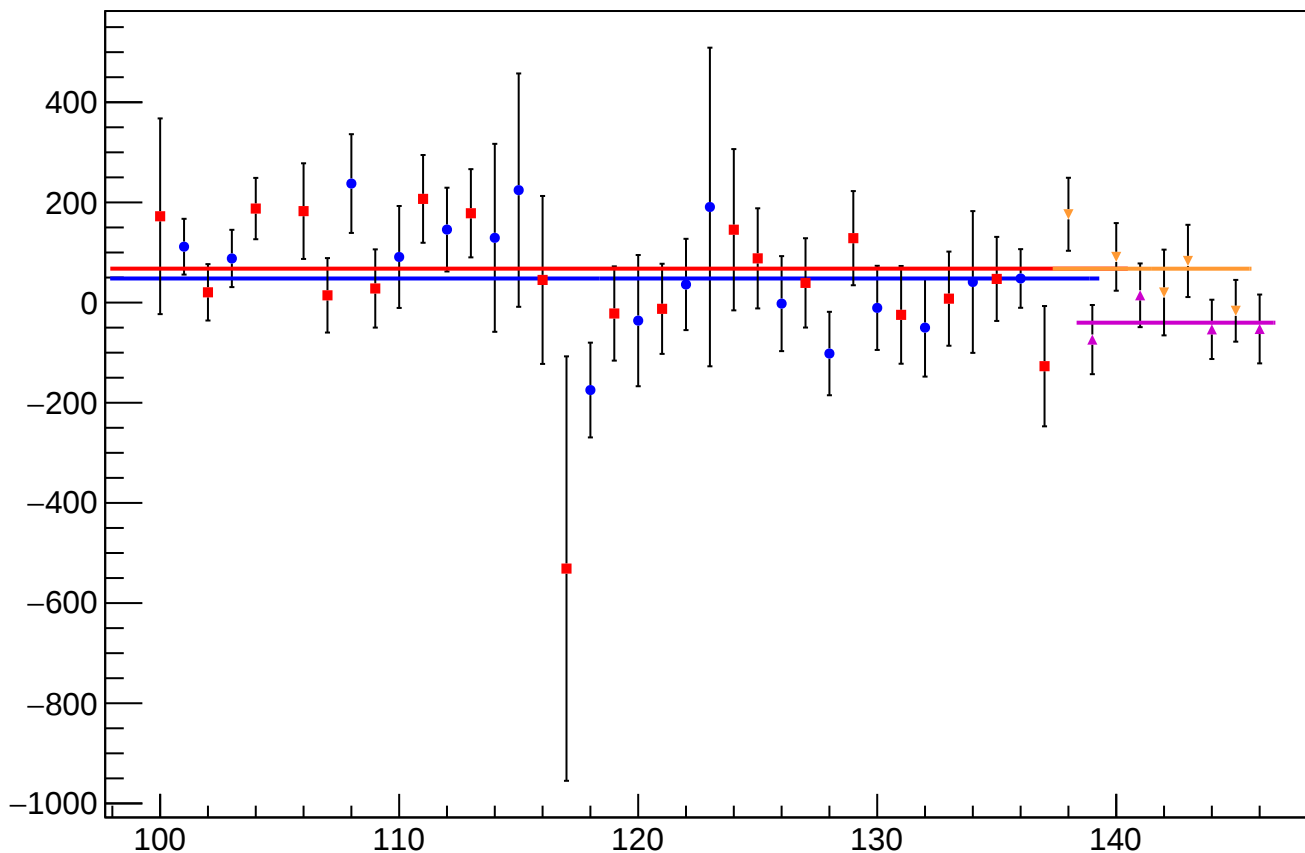
Left In: 249.275+/-0.099 χ^2/NDF : 159680.6/3

225.782+/-0.088 χ^2/NDF : 64795.6/4

236.080+/-0.066 χ^2/NDF : 255821.2/8

249.275+/-0.099 χ^2/NDF : 159680.6/3

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 67.662 $\pm$ 31.633 χ^2 /NDF: 4.6/4

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

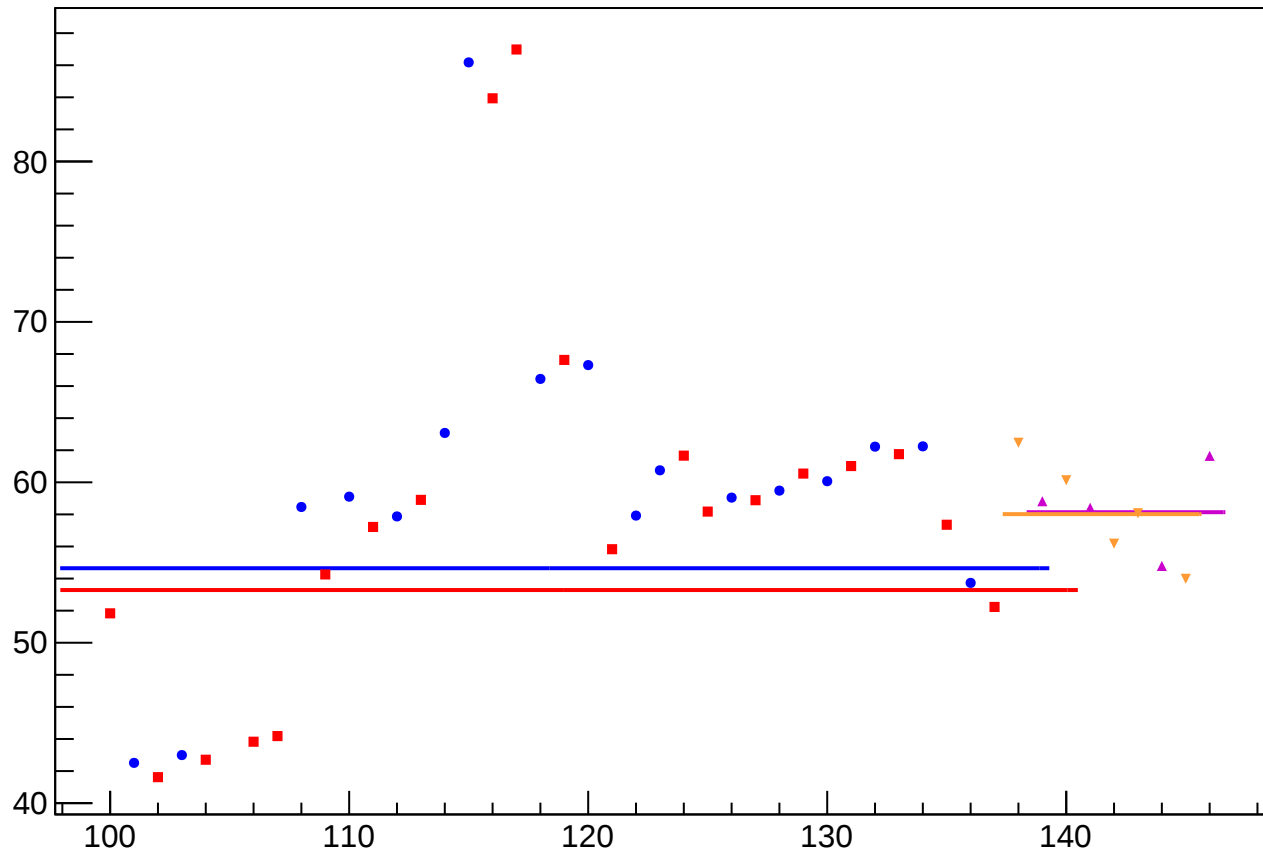
Left In: -40.143 $\pm$ 32.378 χ^2 /NDF: 1.1/3

54.291 $\pm$ 17.787 χ^2 /NDF: 23.8/21

45.451 $\pm$ 12.383 χ^2 /NDF: 52.9/45

37.137 $\pm$ 17.250 χ^2 /NDF: 28.7/23

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645 $\pm$ 0.015 χ^2/NDF : 319300.2/16

Left Out: 58.016 $\pm$ 0.022 χ^2/NDF : 18887.8/4

Right Out: 53.285 $\pm$ 0.014 χ^2/NDF : 398973.0/19

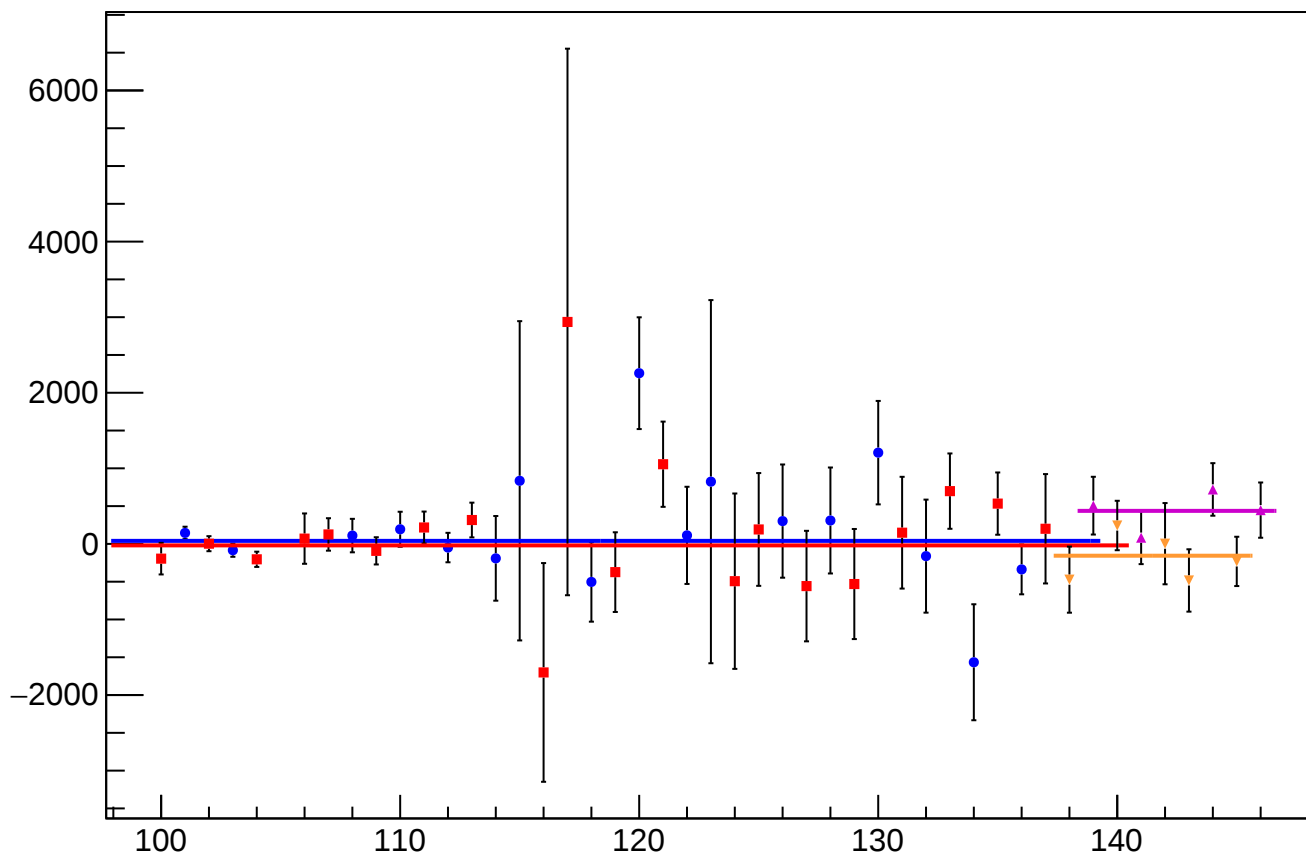
Left In: 58.137 $\pm$ 0.023 χ^2/NDF : 11860.1/3

55.711 $\pm$ 0.013 χ^2/NDF : 353723.4/21

55.171 $\pm$ 0.009 χ^2/NDF : 800309.8/45

54.662 $\pm$ 0.012 χ^2/NDF : 443005.0/23

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -156.180+/-173.249 χ^2/NDF : 2.8/4

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

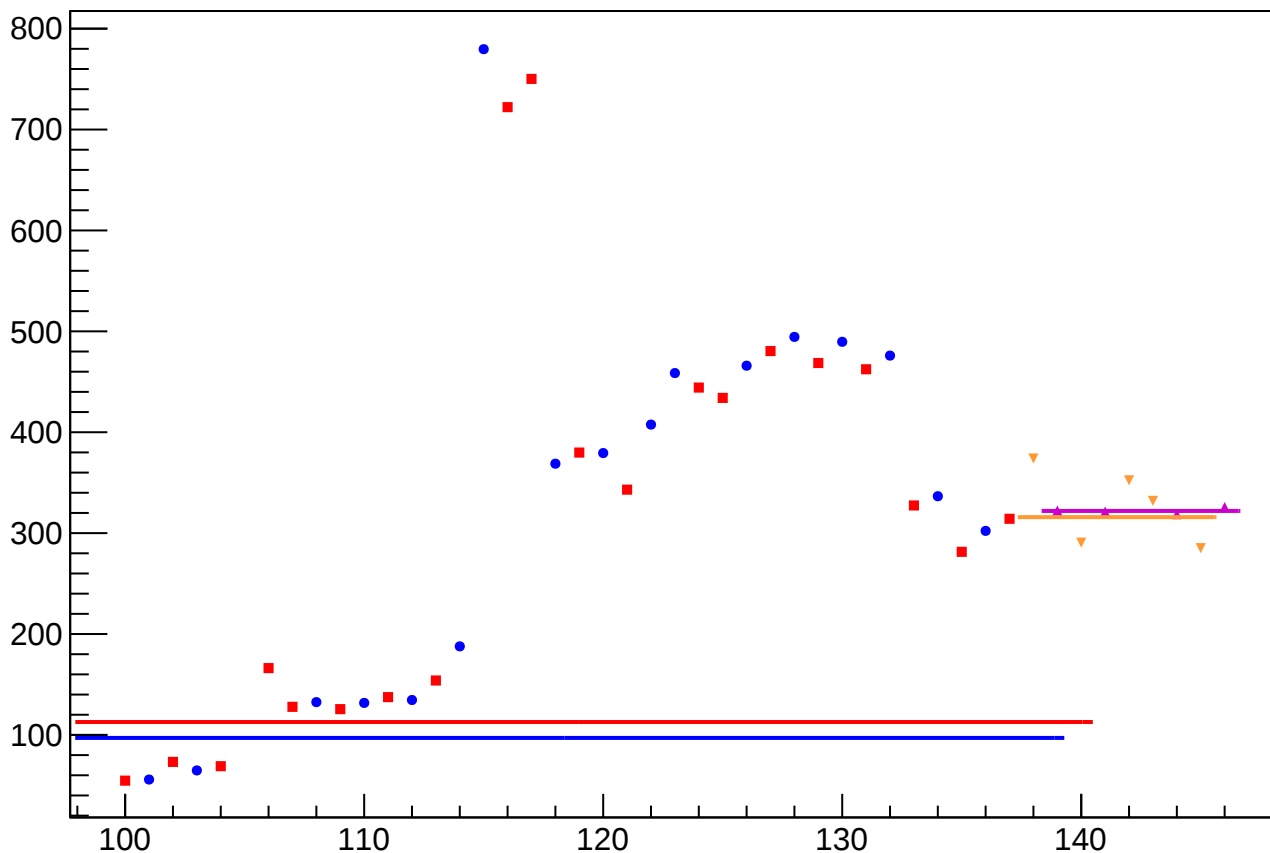
Left In: 437.106+/-180.294 χ^2/NDF : 1.7/3

24.238+/-49.402 χ^2/NDF : 27.8/21

20.777+/-35.513 χ^2/NDF : 55.0/45

17.076+/-51.085 χ^2/NDF : 27.2/23

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039 $\pm$ 0.036 χ^2/NDF : 5819709.2/16

Left Out: 315.840 $\pm$ 0.123 χ^2/NDF : 77307.7/4

Right Out: 112.792 $\pm$ 0.038 χ^2/NDF : 5098459.2/19

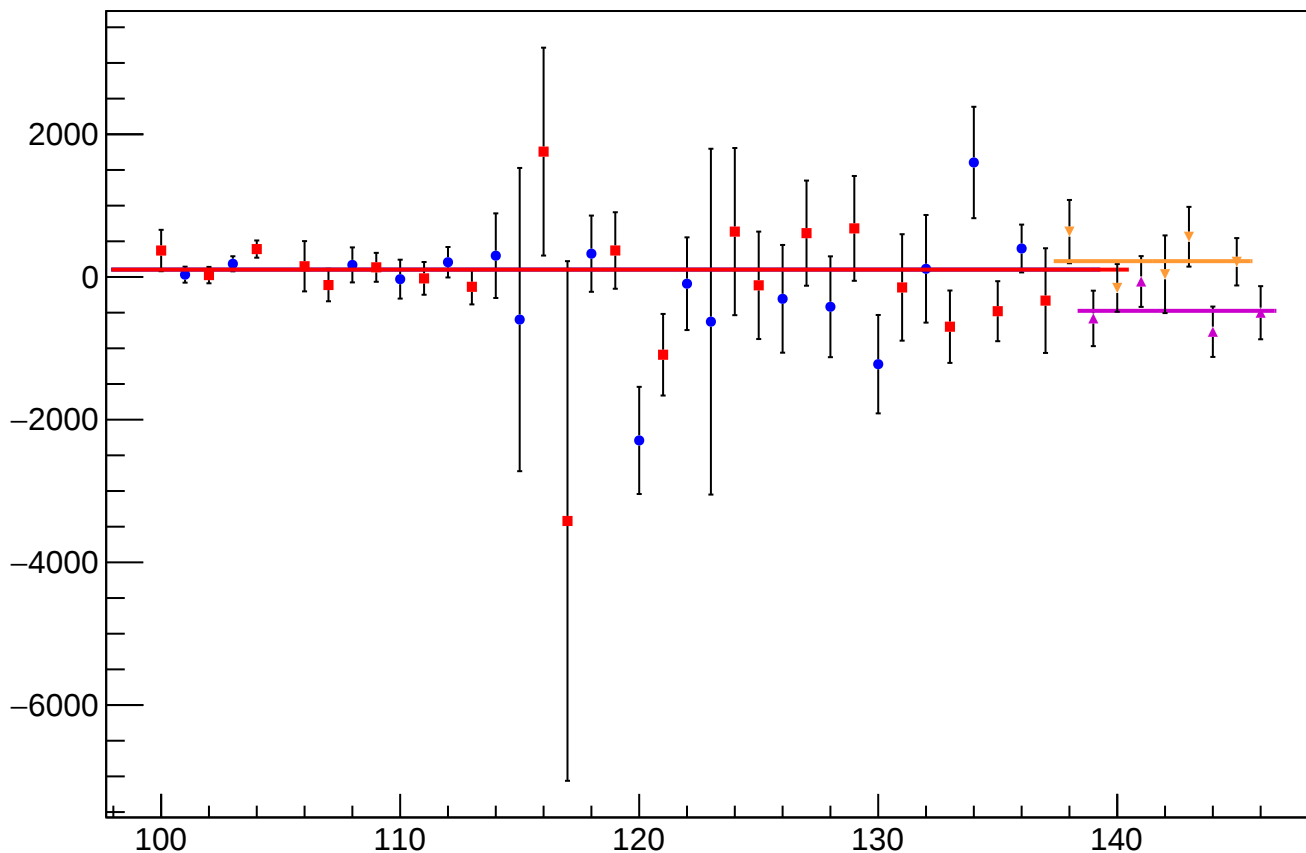
Left In: 321.990 $\pm$ 0.127 χ^2/NDF : 402.5/3

114.830 $\pm$ 0.035 χ^2/NDF : 8827606.7/21

121.961 $\pm$ 0.025 χ^2/NDF : 16489212.6/45

129.587 $\pm$ 0.036 χ^2/NDF : 7575363.2/23

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 221.772 $\pm$ 176.267 χ^2 /NDF: 2.9/4

Right Out: 103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

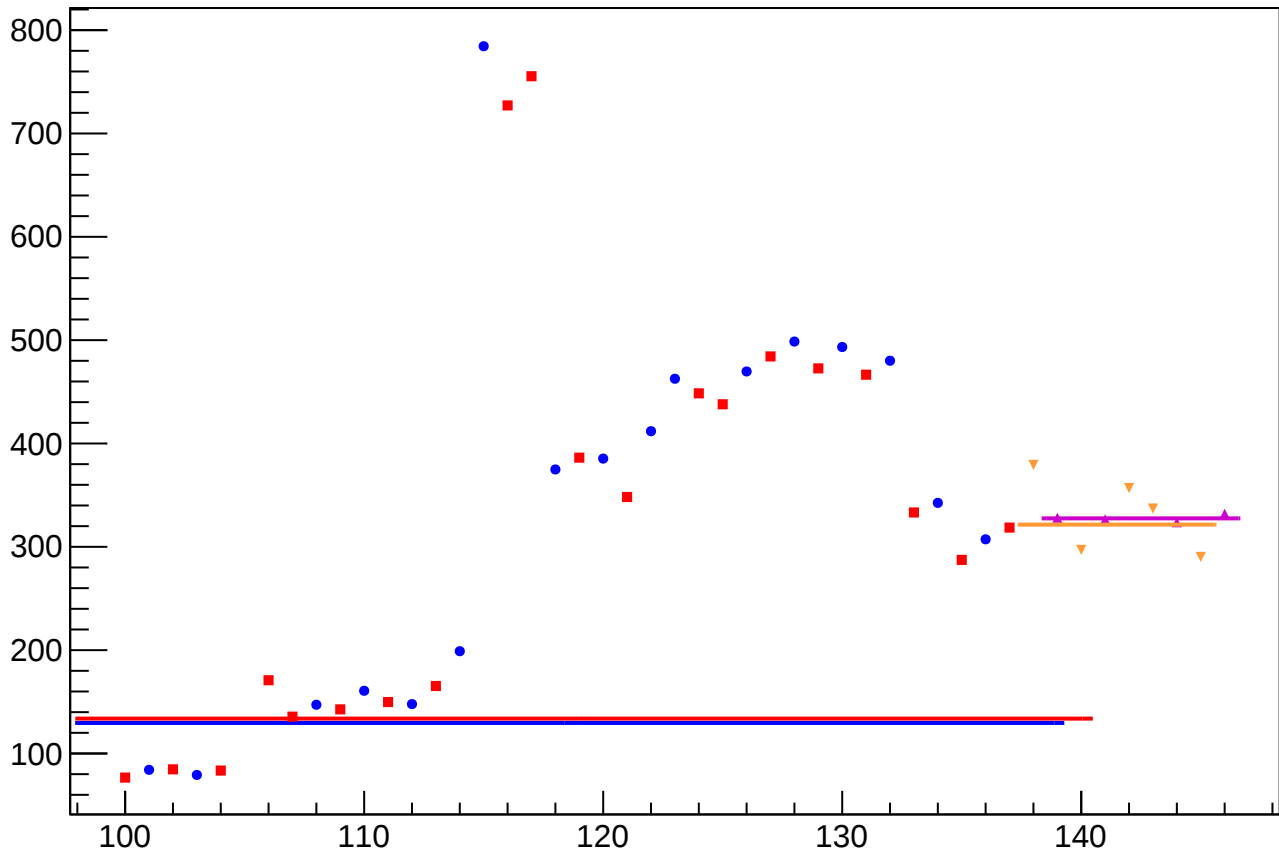
Left In: -474.509 $\pm$ 183.324 χ^2 /NDF: 2.1/3

117.400 $\pm$ 59.455 χ^2 /NDF: 24.6/21

80.574 $\pm$ 41.425 χ^2 /NDF: 58.7/45

45.830 $\pm$ 57.750 χ^2 /NDF: 33.3/23

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 321.476+/-0.125 χ^2/NDF : 73580.8/4

Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

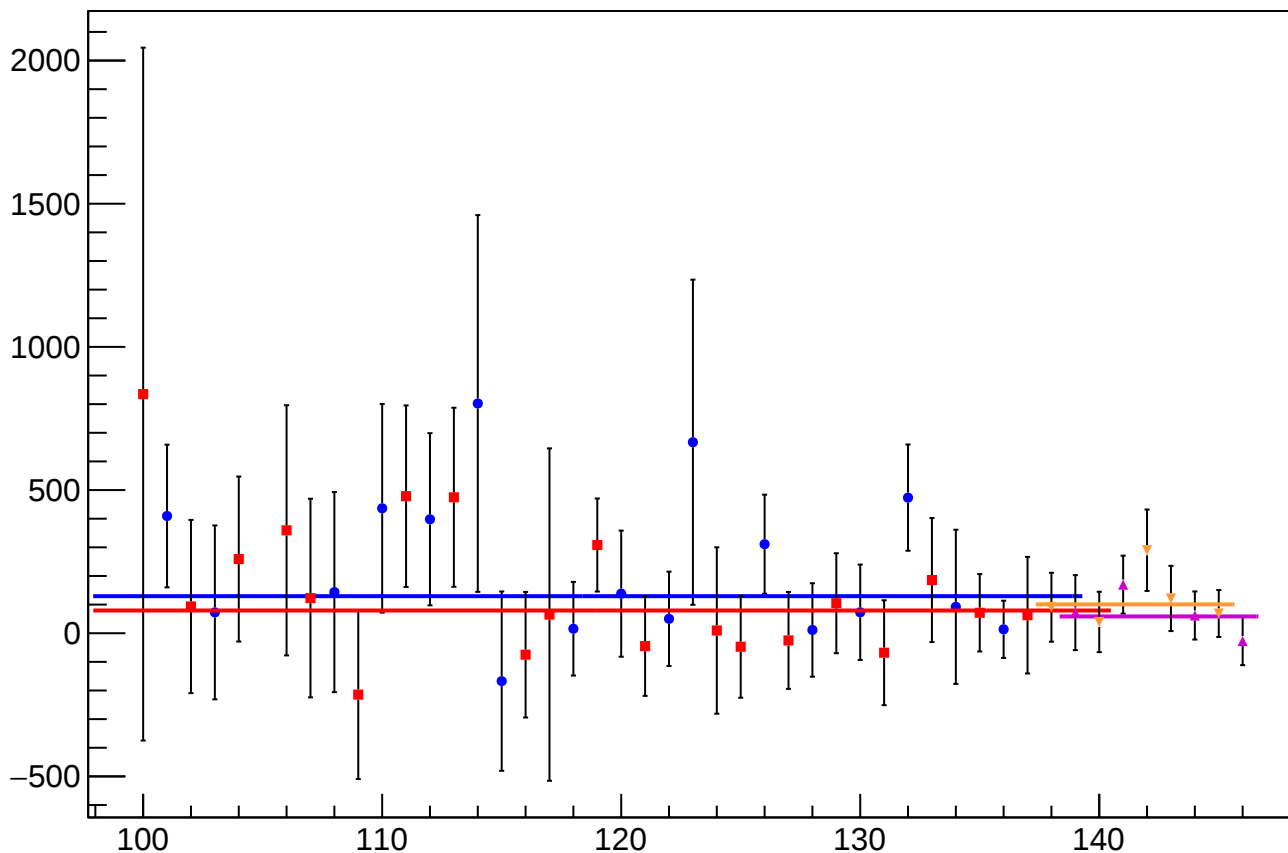
Left In: 327.523+/-0.130 χ^2/NDF : 529.1/3

151.387+/-0.042 χ^2/NDF : 6947348.9/21

152.214+/-0.029 χ^2/NDF : 13385588.7/45

152.994+/-0.041 χ^2/NDF : 6437488.4/23

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 100.756 $\pm$ 48.005 χ^2 /NDF: 2.3/4

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

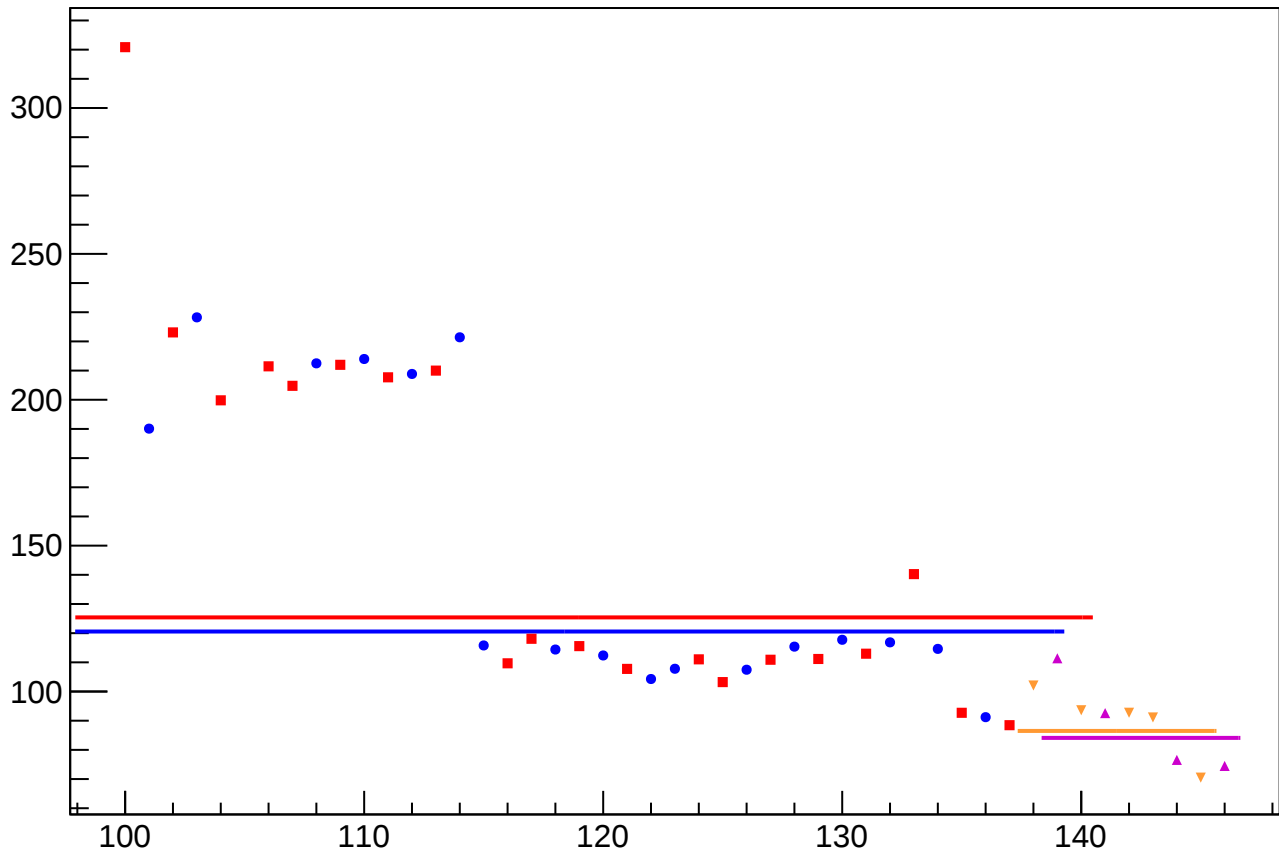
Left In: 58.622 $\pm$ 47.776 χ^2 /NDF: 2.2/3

114.748 $\pm$ 34.333 χ^2 /NDF: 15.4/21

91.743 $\pm$ 24.316 χ^2 /NDF: 28.9/45

68.589 $\pm$ 34.444 χ^2 /NDF: 12.6/23

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 86.491 $\pm$ 0.034 χ^2 /NDF:125682.7/4

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

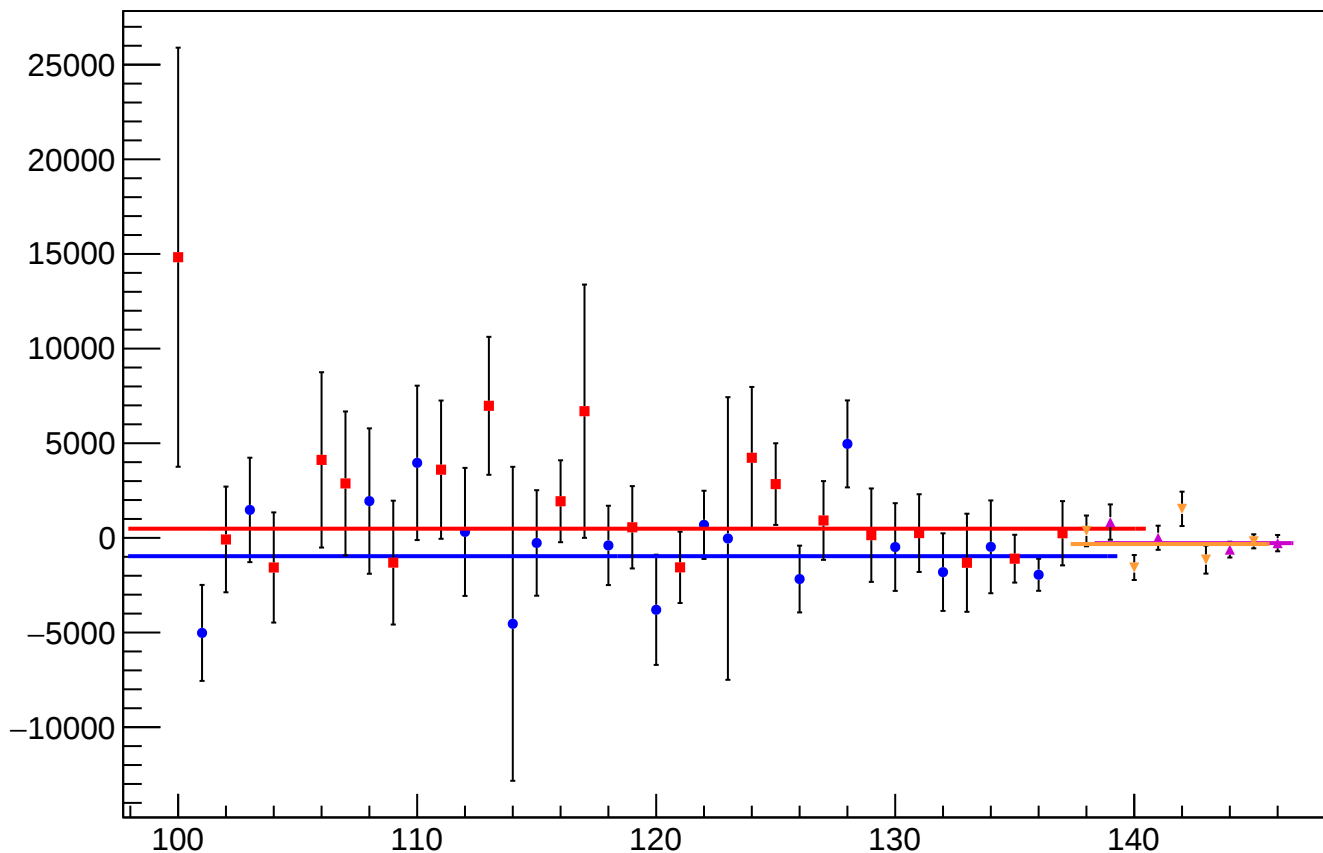
Left In: 84.107 $\pm$ 0.034 χ^2 /NDF:143009.7/3

103.137 $\pm$ 0.024 χ^2 /NDF: 1729985.6/21

103.537 $\pm$ 0.017 χ^2 /NDF: 3925291.0/45

103.939 $\pm$ 0.024 χ^2 /NDF: 2194760.5/23

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -325.894+/-266.097 χ^2/NDF : 9.9/4

Right Out: 485.654+/-543.567 χ^2/NDF : 14.3/19

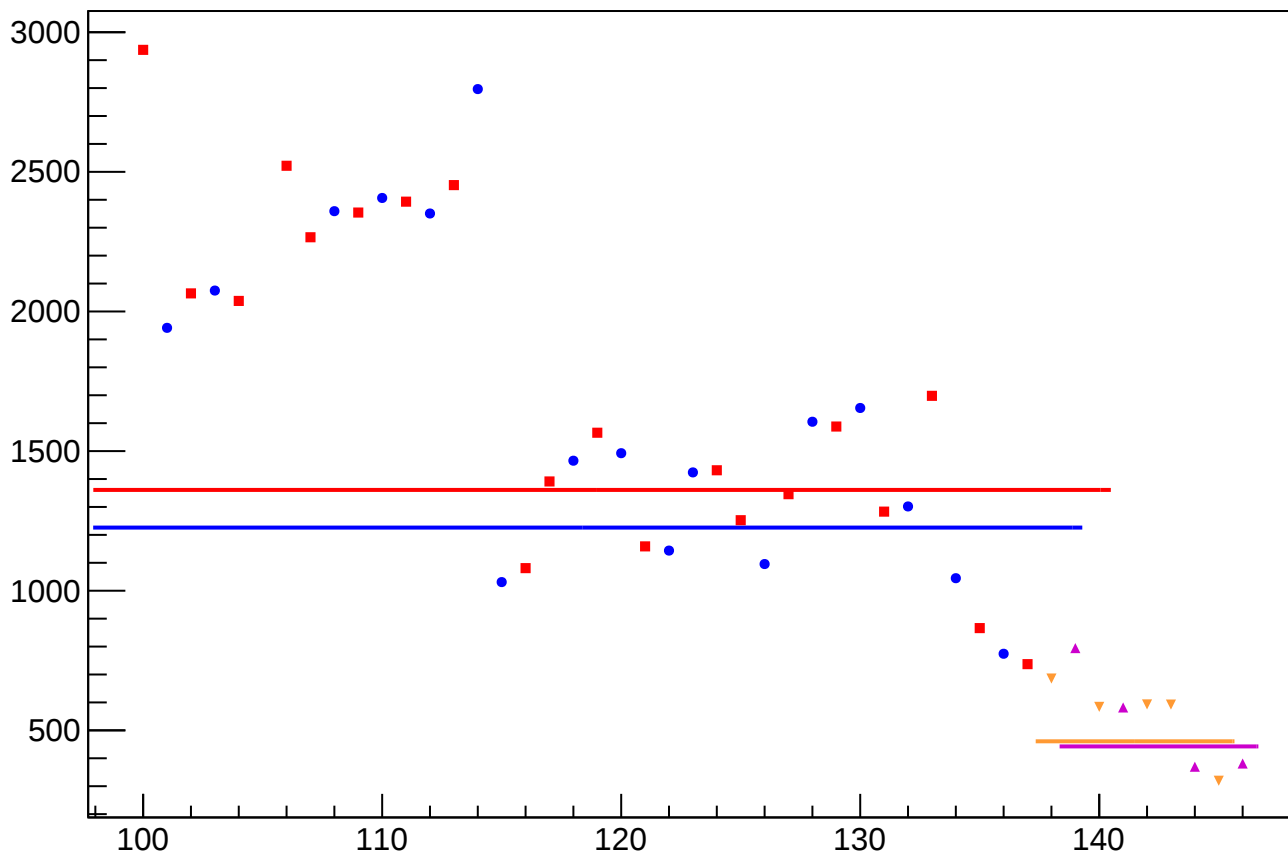
Left In: -277.062+/-260.351 χ^2/NDF : 2.3/3

-462.005+/-236.146 χ^2/NDF : 27.5/21

-297.441+/-166.505 χ^2/NDF : 46.6/45

-134.739+/-234.807 χ^2/NDF : 18.2/23

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135 ± 0.362 χ^2/NDF : 1756323.1/16

Left Out: 460.750 ± 0.188 χ^2/NDF : 618243.8/4

Right Out: 1360.972 ± 0.384 χ^2/NDF : 1749116.2/19

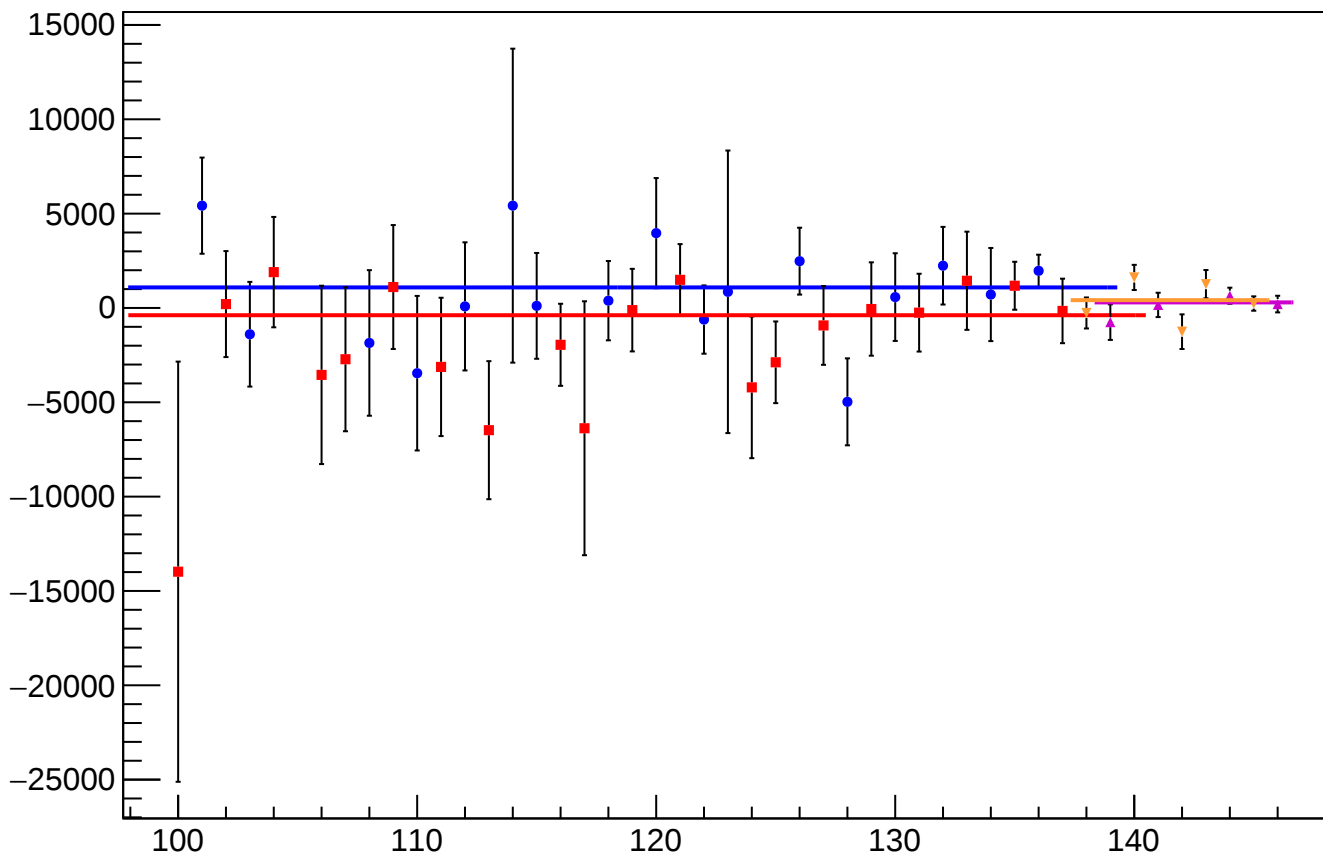
Left In: 442.454 ± 0.184 χ^2/NDF : 481850.4/3

623.351 ± 0.167 χ^2/NDF : 5889805.8/21

618.574 ± 0.118 χ^2/NDF : 12767576.9/45

613.850 ± 0.166 χ^2/NDF : 6876143.2/23

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 413.044 $\pm$ 271.255 χ^2 /NDF: 8.8/4

Right Out: -385.391 $\pm$ 546.382 χ^2 /NDF: 13.3/19

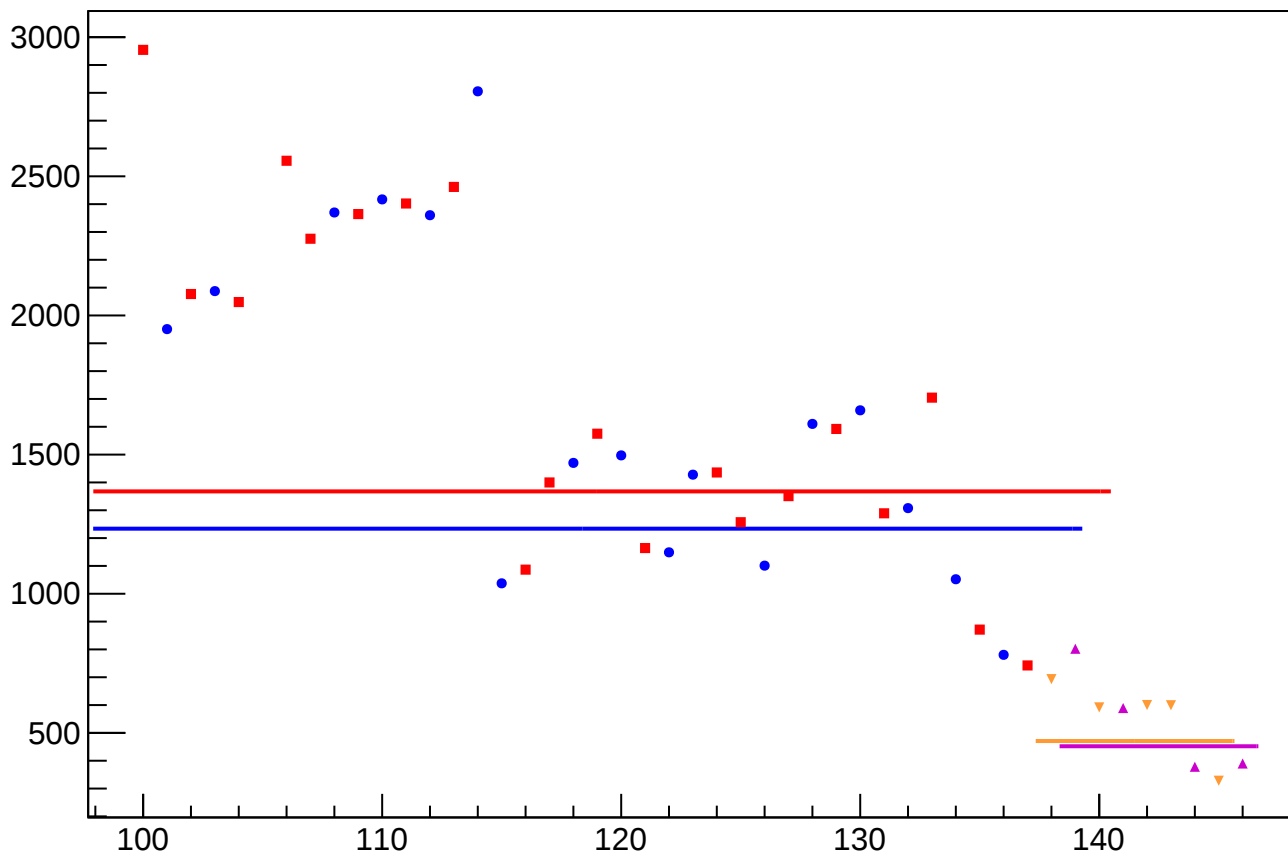
Left In: 293.966 $\pm$ 265.500 χ^2 /NDF: 2.0/3

559.737 $\pm$ 240.027 χ^2 /NDF: 27.0/21

360.953 $\pm$ 169.289 χ^2 /NDF: 45.0/45

164.197 $\pm$ 238.800 χ^2 /NDF: 16.5/23

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 470.786+/-0.192 χ^2/NDF : 591483.5/4

Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

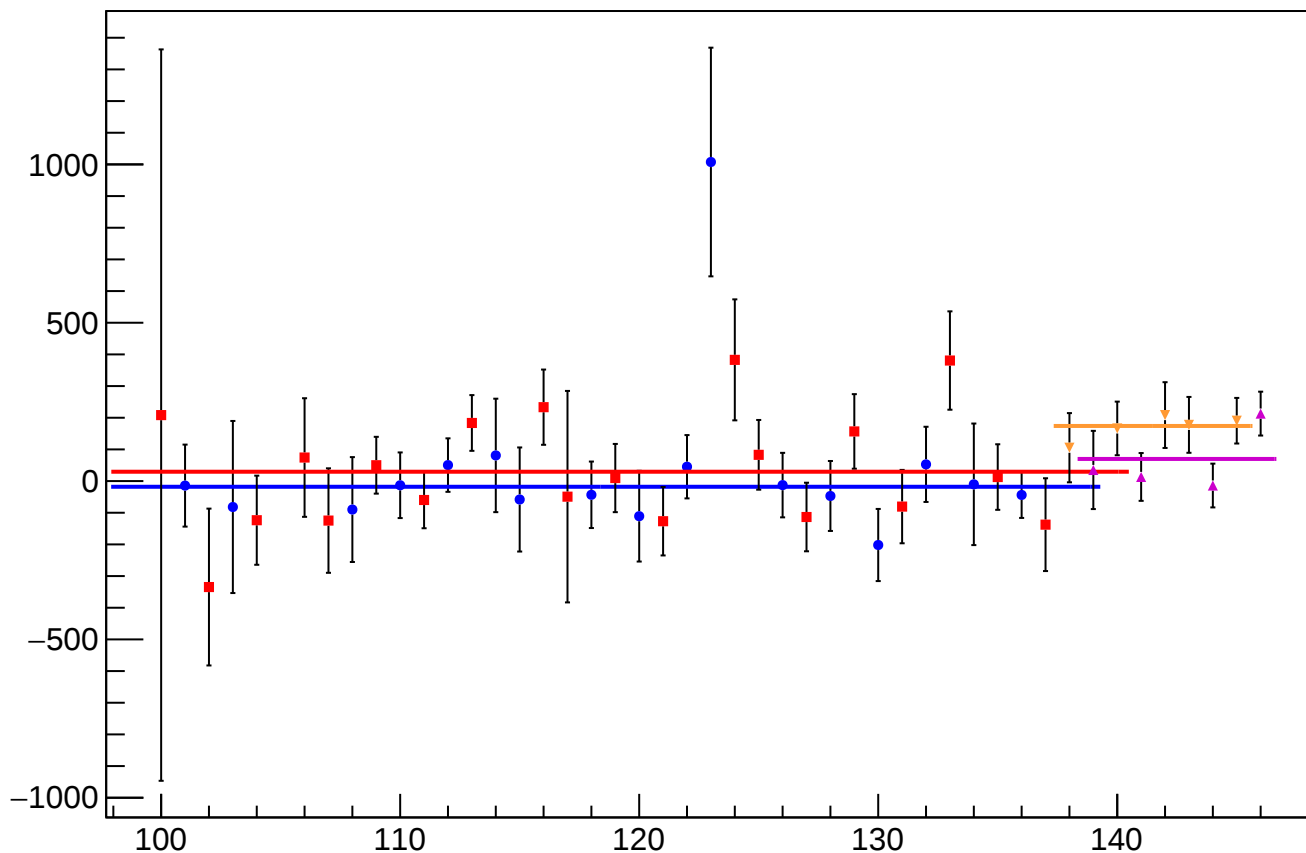
Left In: 451.979+/-0.188 χ^2/NDF : 466475.8/3

636.369+/-0.170 χ^2/NDF : 5769990.0/21

631.621+/-0.120 χ^2/NDF : 12528557.7/45

626.922+/-0.169 χ^2/NDF : 6757010.5/23

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972+/-28.848 χ^2/NDF : 13.4/16

Left Out: 174.027+/-39.610 χ^2/NDF : 0.6/4

Right Out: 29.517+/-27.879 χ^2/NDF : 27.5/19

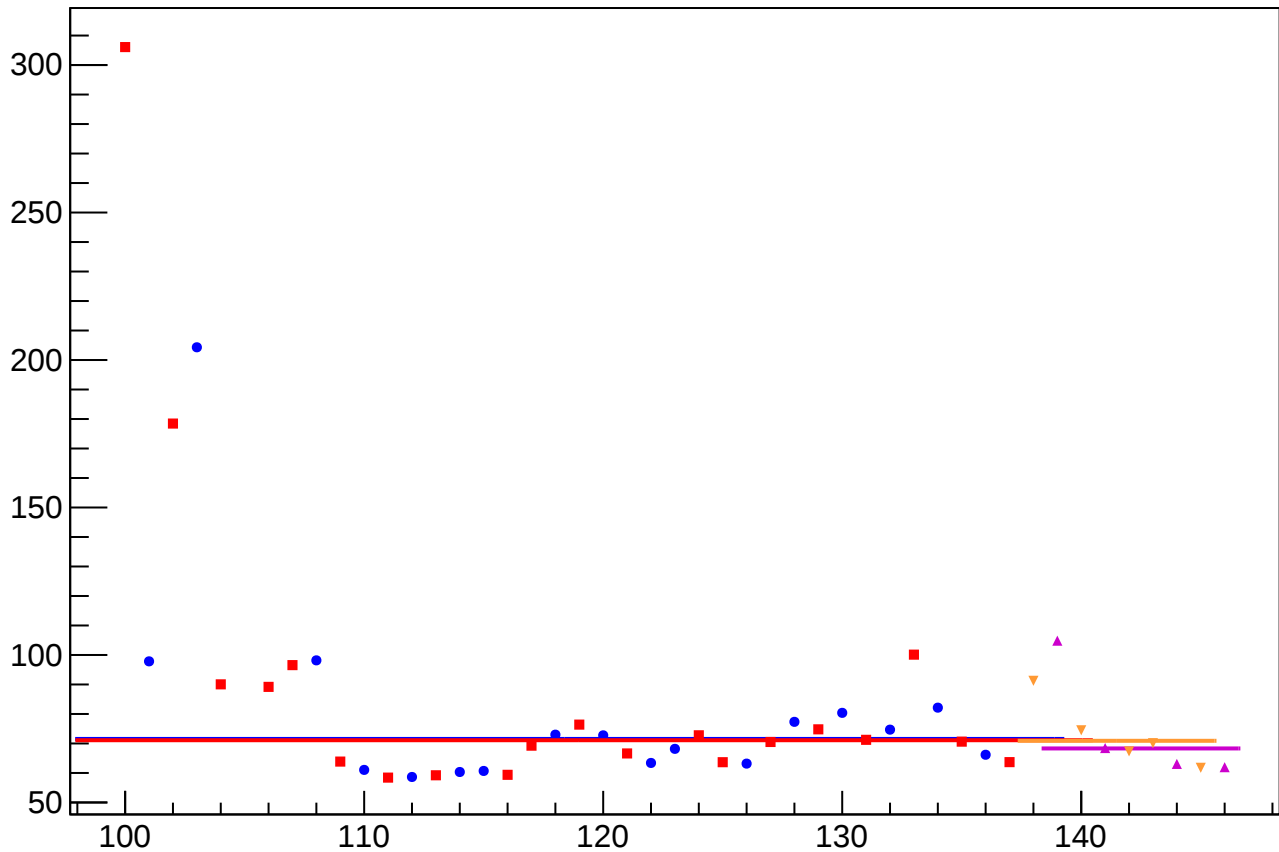
Left In: 69.886+/-38.954 χ^2/NDF : 6.4/3

48.571+/-23.319 χ^2/NDF : 29.3/21

45.805+/-16.255 χ^2/NDF : 63.9/45

43.191+/-22.671 χ^2/NDF : 34.6/23

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 70.903+/-0.028 χ^2/NDF : 107665.4/4

Right Out: 71.102+/-0.020 χ^2/NDF : 765220.8/19

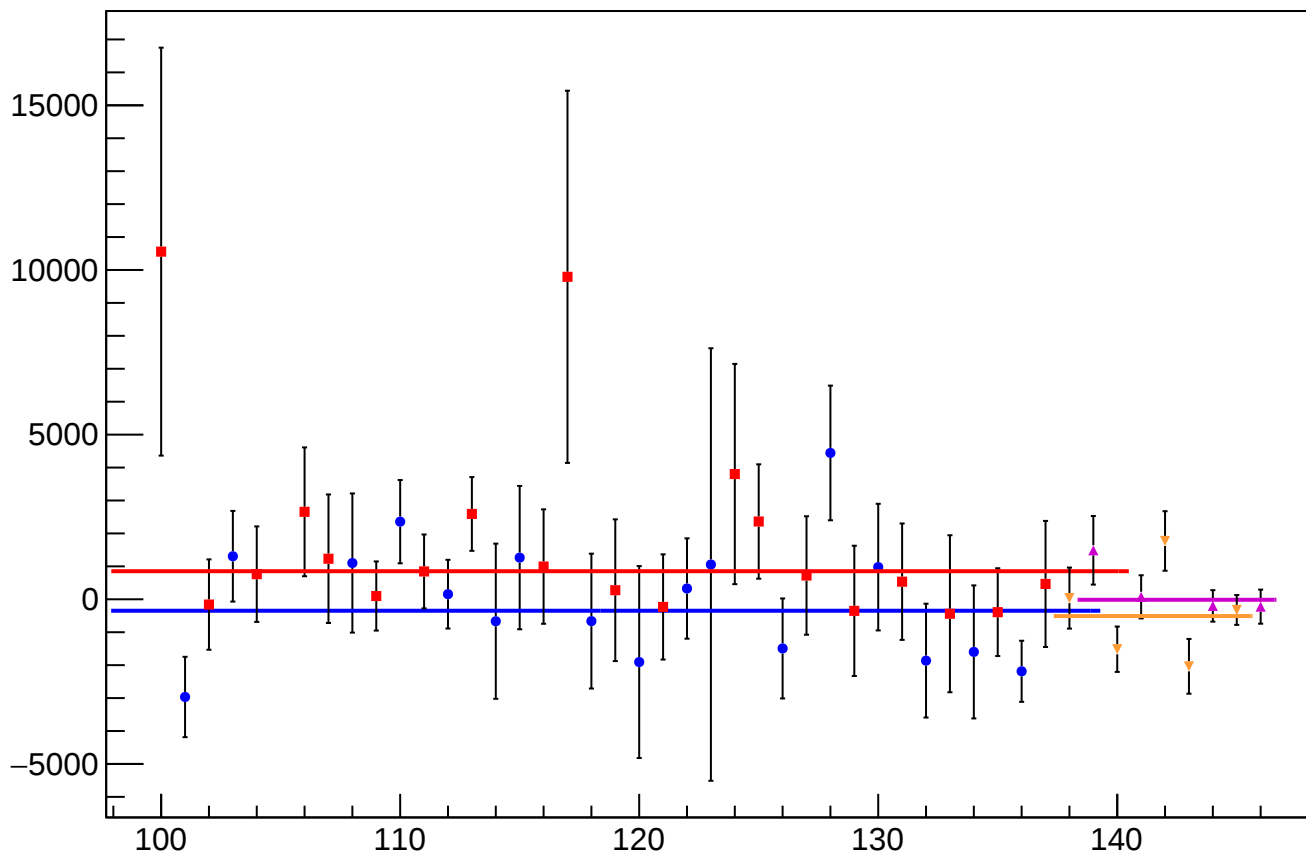
Left In: 68.312+/-0.028 χ^2/NDF : 203449.8/3

71.316+/-0.016 χ^2/NDF : 866960.7/21

70.720+/-0.011 χ^2/NDF : 1844958.9/45

70.157+/-0.016 χ^2/NDF : 975456.0/23

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -509.552+/-304.022 χ^2/NDF : 12.4/4

Right Out: 852.433+/-369.018 χ^2/NDF : 13.0/19

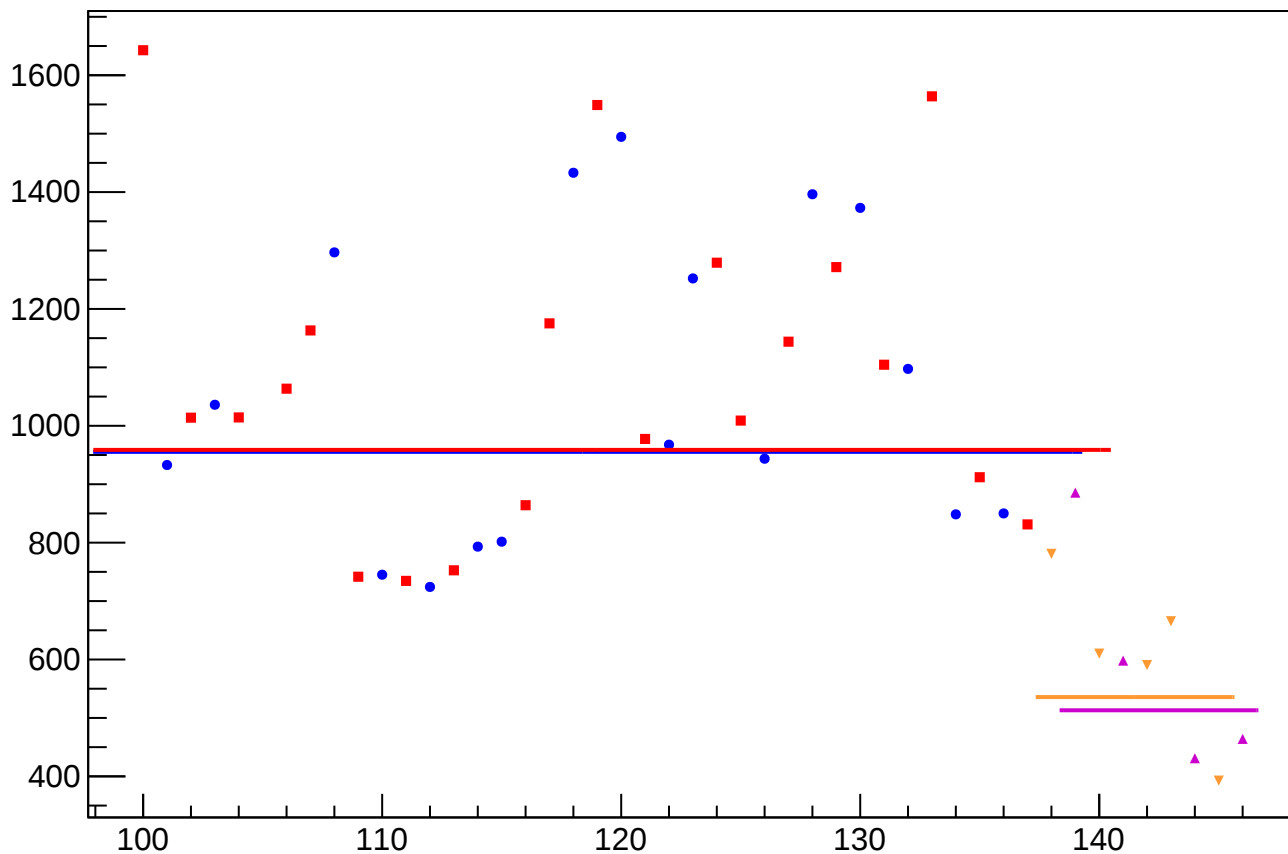
Left In: -14.746+/-296.773 χ^2/NDF : 2.4/3

-446.880+/-237.878 χ^2/NDF : 36.6/21

-49.626+/-165.817 χ^2/NDF : 60.8/45

325.841+/-231.263 χ^2/NDF : 18.8/23

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 535.714+/-0.215 χ^2/NDF : 418694.3/4

Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

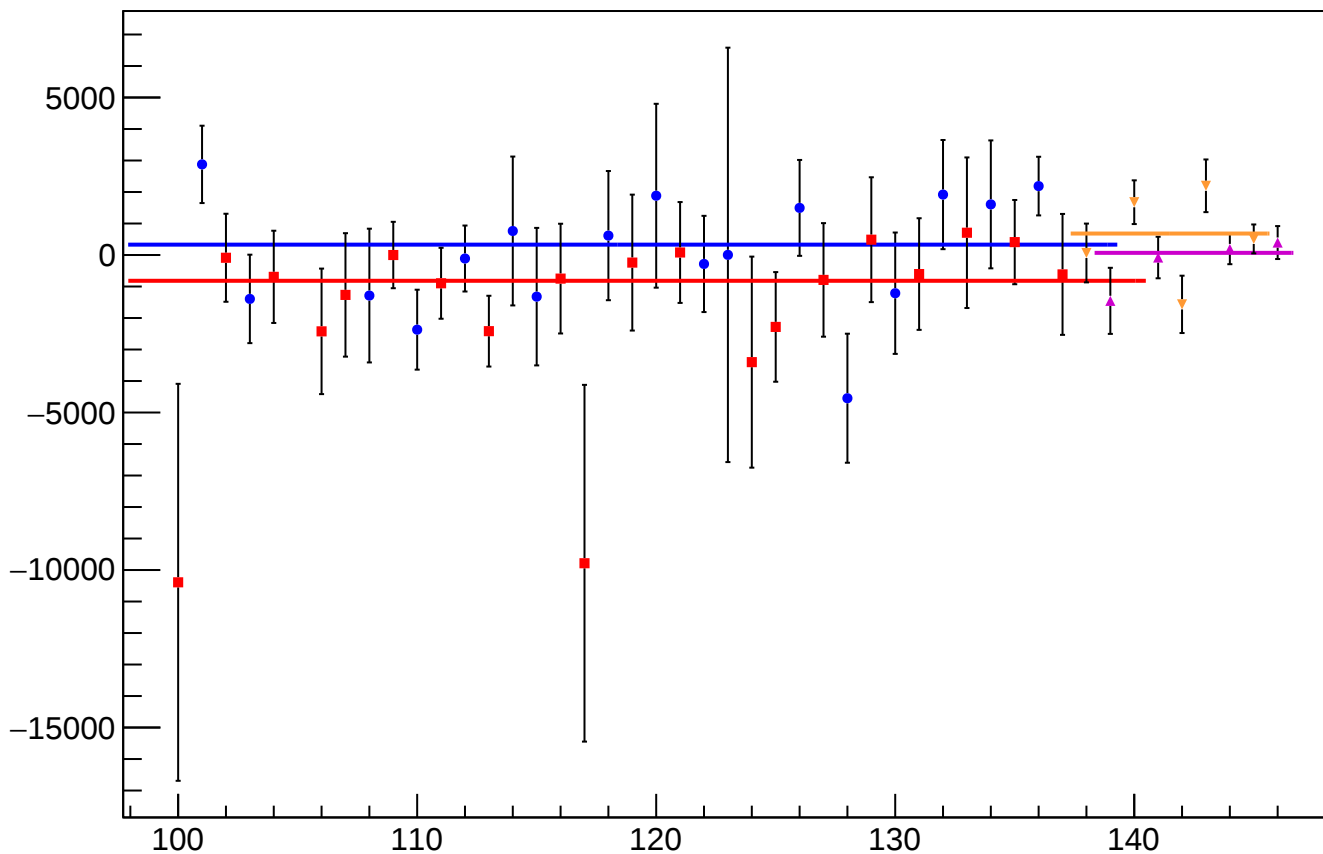
Left In: 513.101+/-0.210 χ^2/NDF : 366273.4/3

698.474+/-0.168 χ^2/NDF : 2543359.9/21

693.162+/-0.117 χ^2/NDF : 5379085.2/45

688.141+/-0.164 χ^2/NDF : 2833785.3/23

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 681.606 $\pm$ 306.977 χ^2 /NDF:12.0/4

Right Out: -818.253 $\pm$ 370.875 χ^2 /NDF: 11.8/19

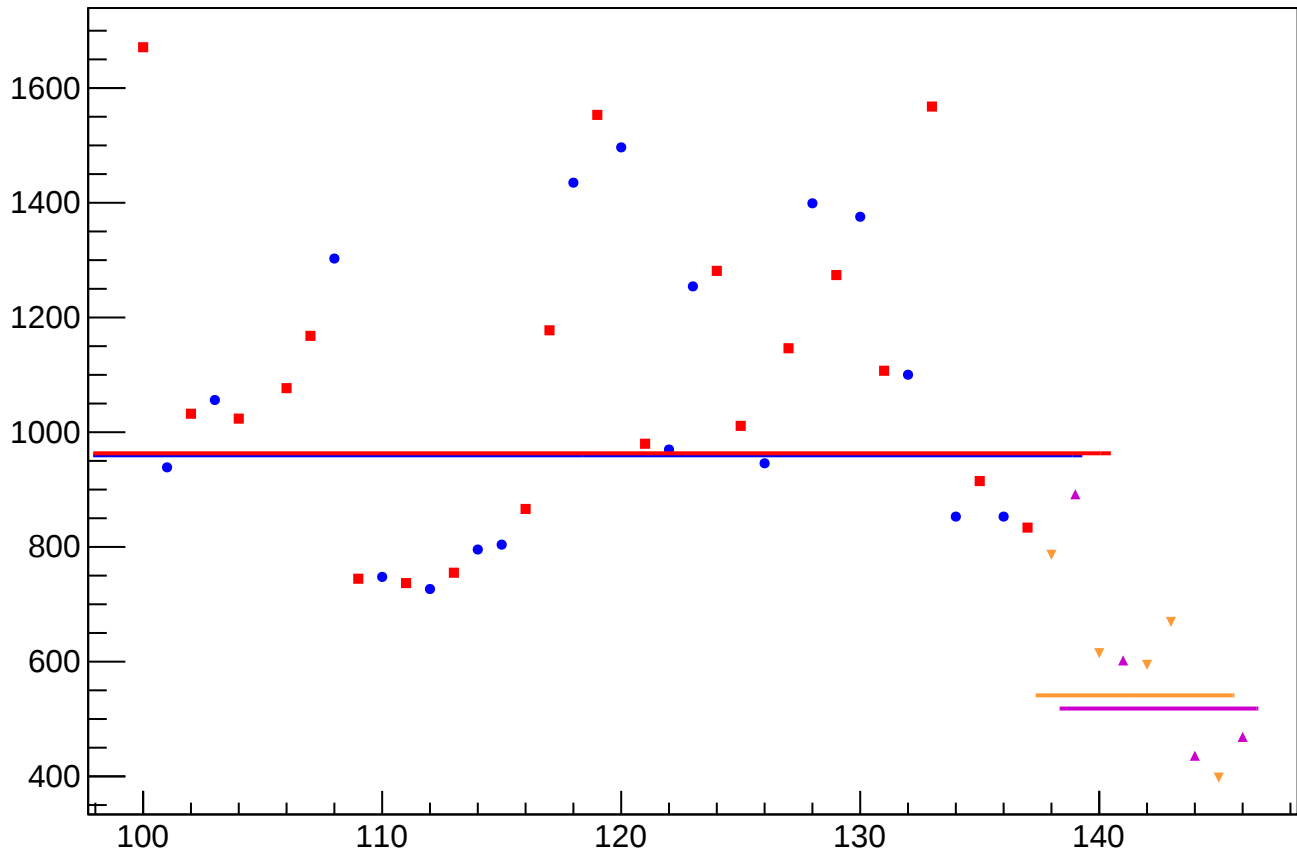
Left In: 68.456 $\pm$ 299.603 χ^2 /NDF:2.6/3

544.071 $\pm$ 239.710 χ^2 /NDF: 36.8/21

119.571 $\pm$ 167.099 χ^2 /NDF: 60.8/45

-281.695 $\pm$ 233.058 χ^2 /NDF: 17.9/23

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 541.270+/-0.217 χ^2/NDF : 409413.5/4

Right Out: 963.238+/-0.262 χ^2/NDF : 698638.3/19

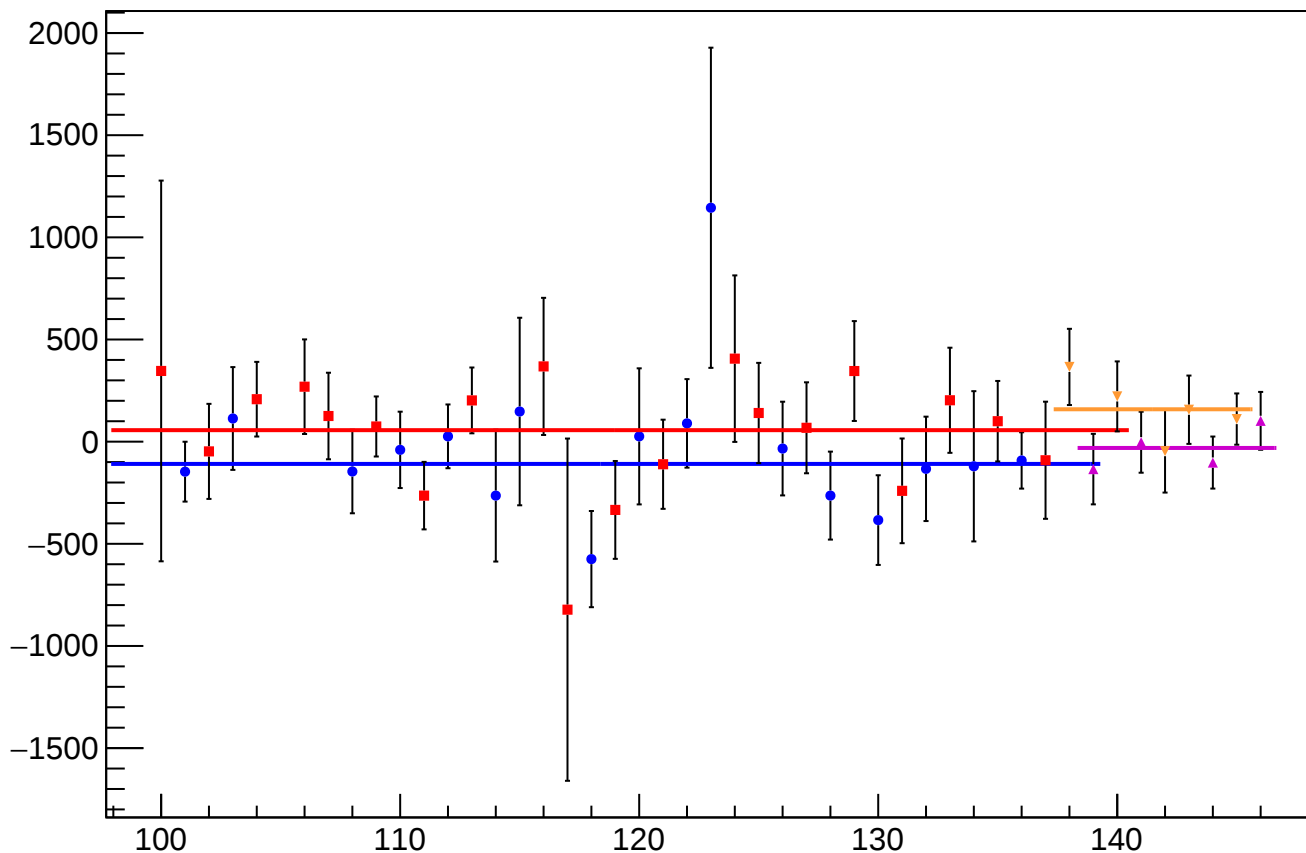
Left In: 518.252+/-0.212 χ^2/NDF : 361764.0/3

704.584+/-0.170 χ^2/NDF : 2506703.2/21

699.129+/-0.118 χ^2/NDF : 5311337.3/45

693.972+/-0.165 χ^2/NDF : 2802619.3/23

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 158.486 ± 73.234 χ^2/NDF : 2.5/4

Right Out: 56.241 ± 50.729 χ^2/NDF : 16.0/19

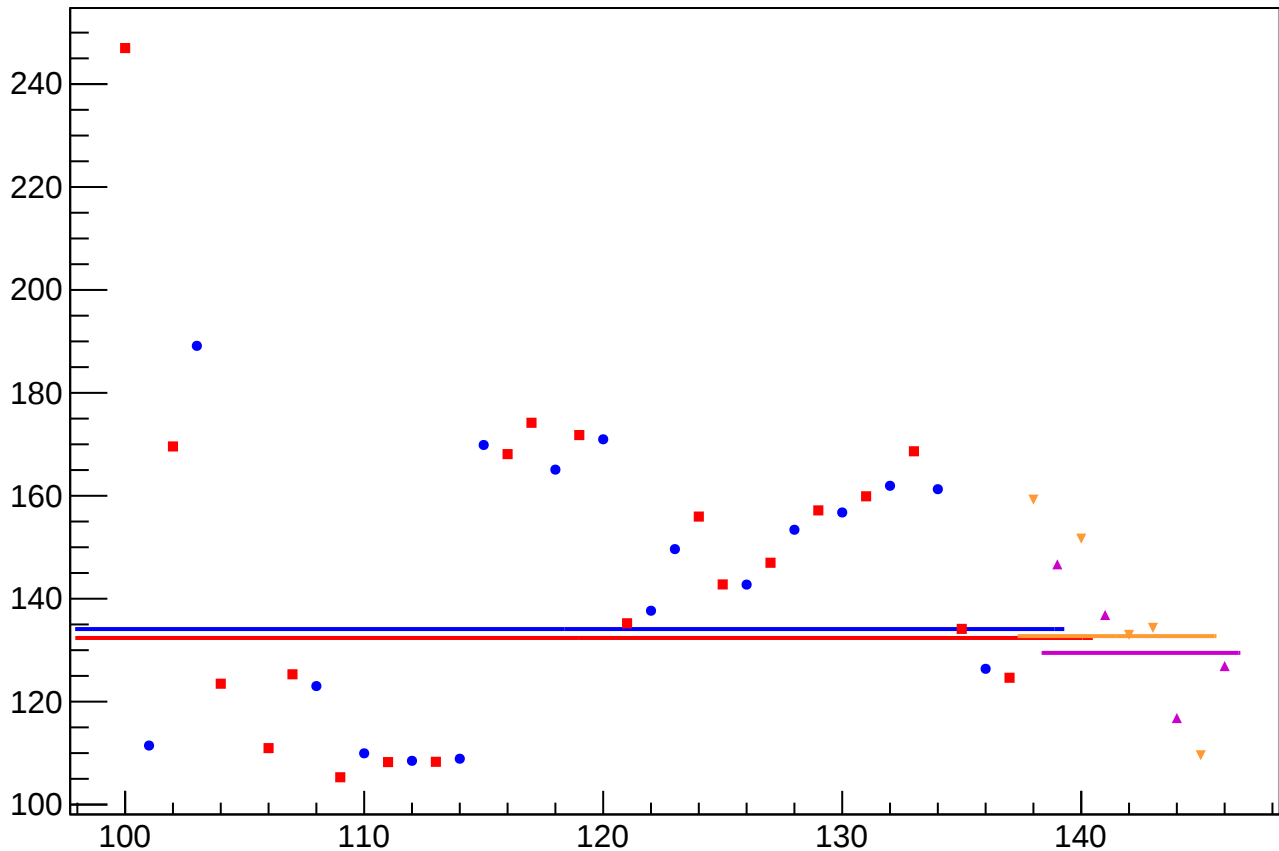
Left In: -30.826 ± 72.550 χ^2/NDF : 1.6/3

-17.219 ± 42.895 χ^2/NDF : 23.3/21

5.917 ± 29.853 χ^2/NDF : 42.4/45

27.651 ± 41.574 χ^2/NDF : 18.5/23

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 132.731 $\pm$ 0.052 χ^2 /NDF:133207.1/4

Right Out: 132.373 $\pm$ 0.036 χ^2 /NDF: 446741.9/19

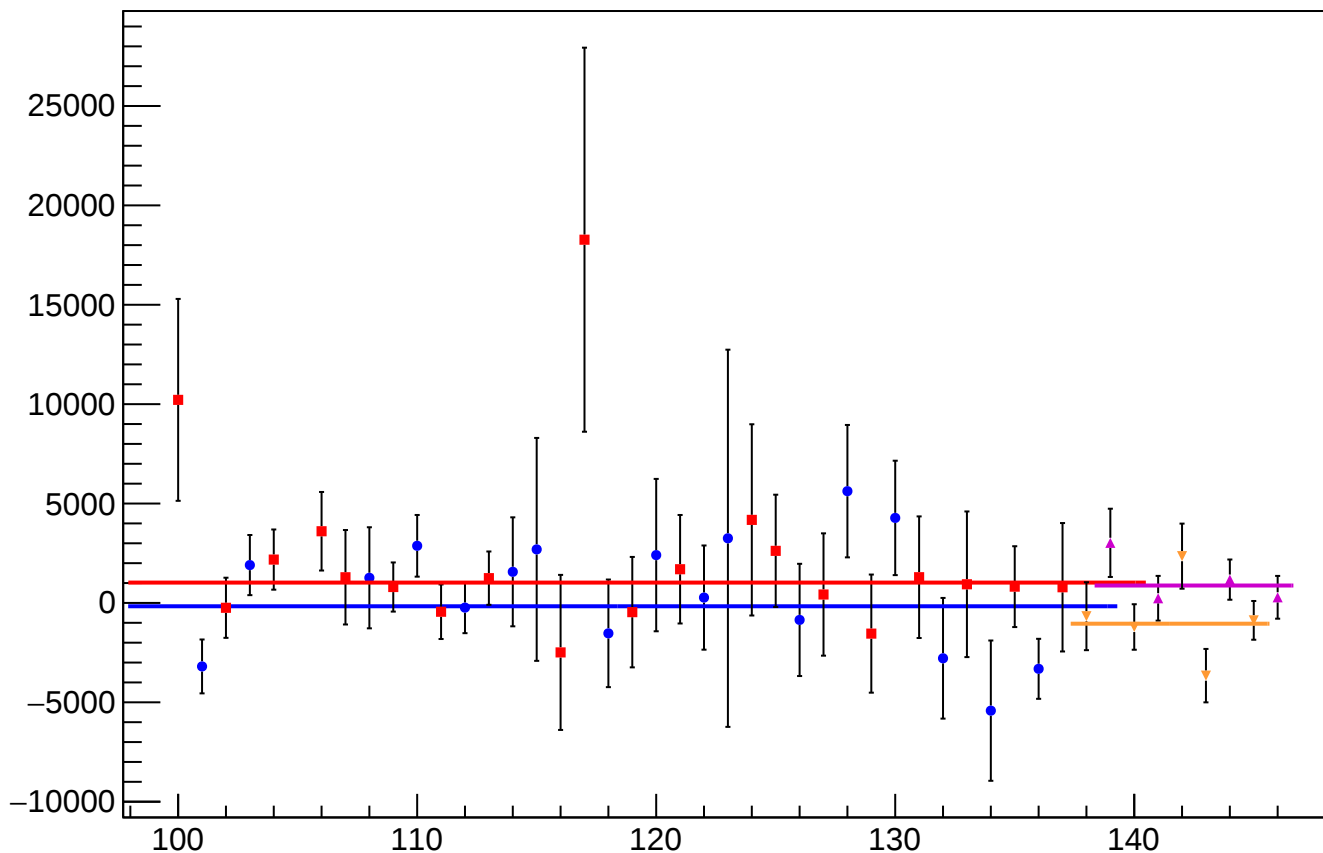
Left In: 129.474 $\pm$ 0.051 χ^2 /NDF:45175.4/3

133.633 $\pm$ 0.030 χ^2 /NDF: 536249.4/21

132.492 $\pm$ 0.021 χ^2 /NDF: 1033052.8/45

131.421 $\pm$ 0.029 χ^2 /NDF: 494061.8/23

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 $\pm$ 523.672 χ^2 /NDF: 25.3/16

Left Out: -1045.102 $\pm$ 569.311 χ^2 /NDF: 8.2/4

Right Out: 1023.271 $\pm$ 480.373 χ^2 /NDF: 13.4/19

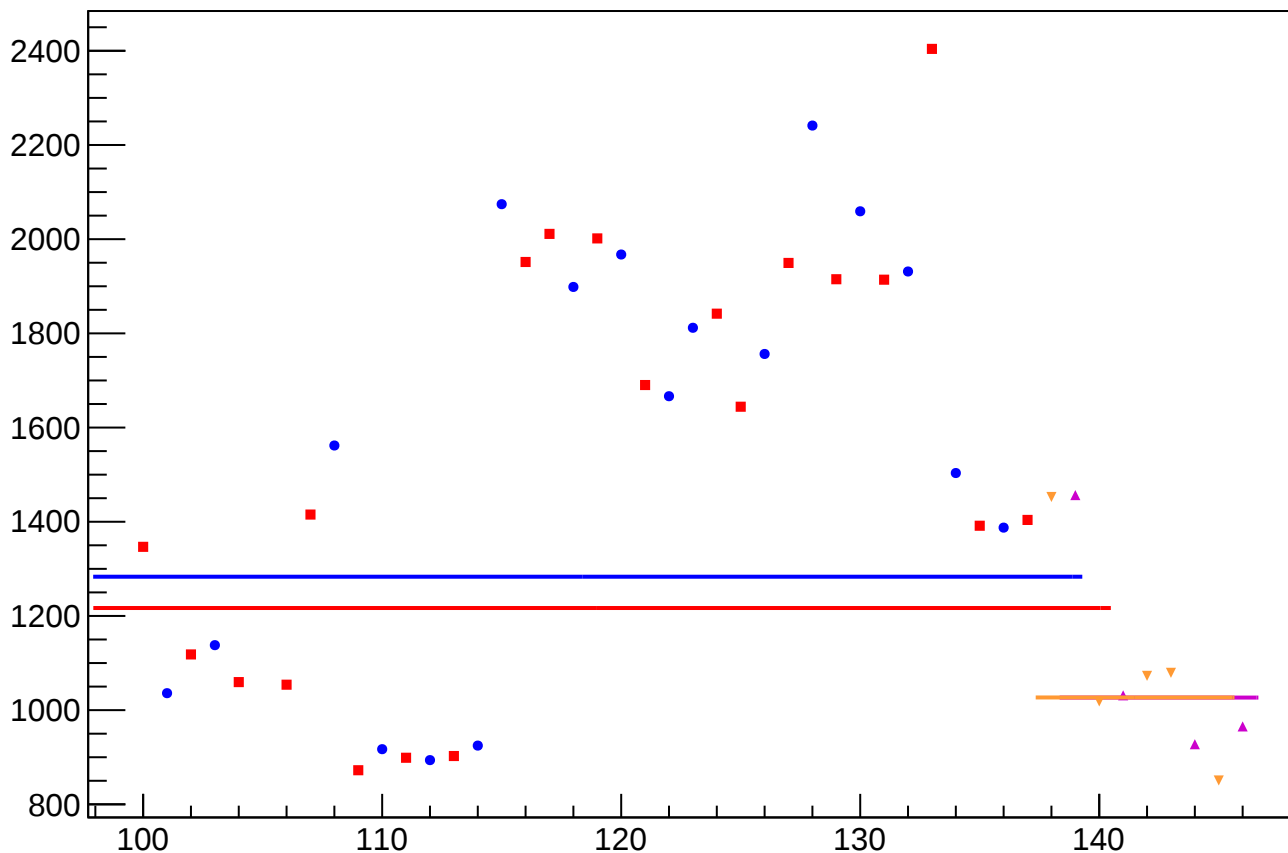
Left In: 875.852 $\pm$ 580.374 χ^2 /NDF: 2.3/3

-570.118 $\pm$ 385.418 χ^2 /NDF: 34.8/21

227.777 $\pm$ 266.935 χ^2 /NDF: 58.7/45

963.337 $\pm$ 370.057 χ^2 /NDF: 15.7/23

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1026.910+/-0.403 χ^2/NDF :194300.4/4

Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

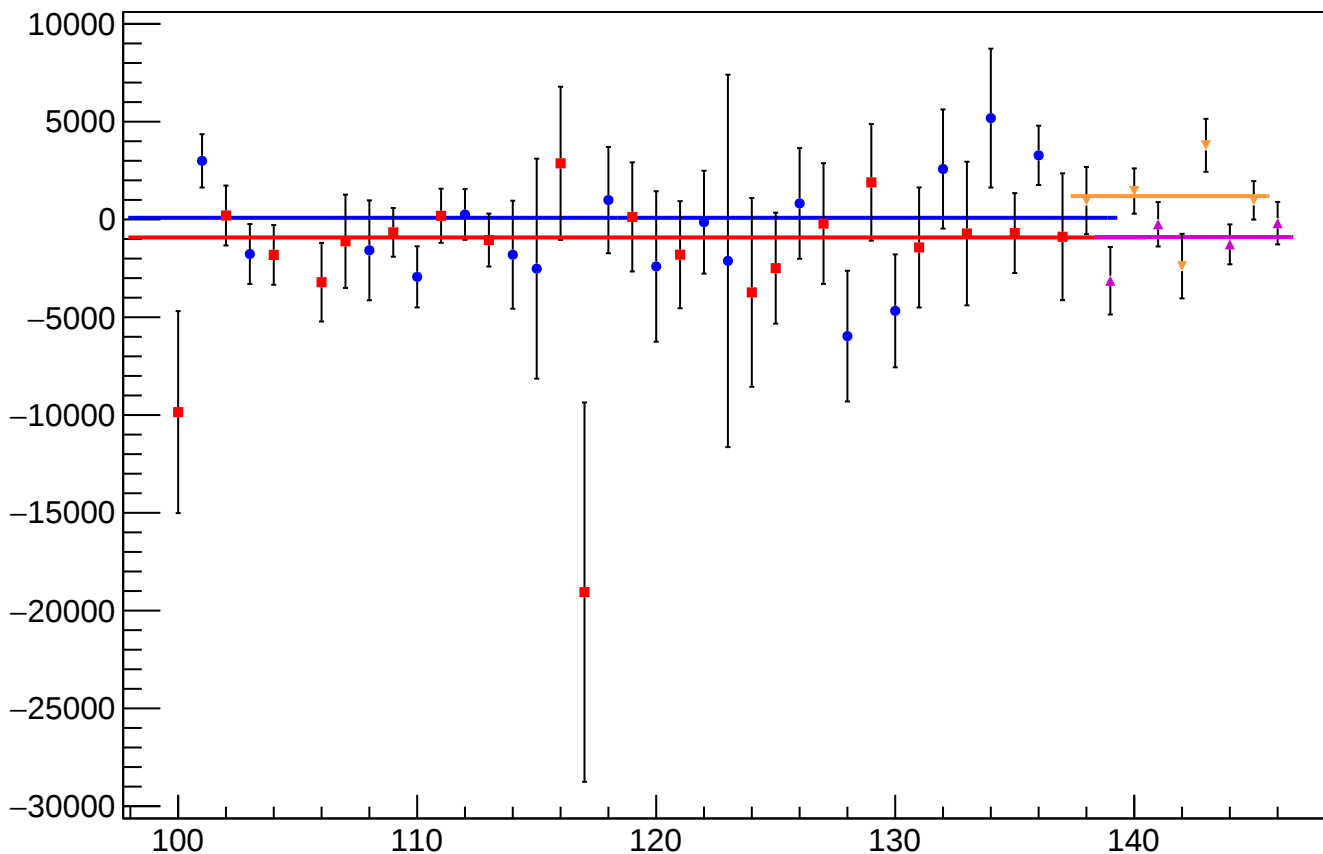
Left In: 1026.680+/-0.410 χ^2/NDF :151087.8/3

1165.802+/-0.273 χ^2/NDF : 1583487.0/21

1152.135+/-0.189 χ^2/NDF : 3241257.8/45

1139.536+/-0.262 χ^2/NDF : 1652937.7/23

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1191.726+/-574.276 χ^2/NDF : 8.5/4

Right Out: -919.892+/-484.043 χ^2/NDF : 12.2/19

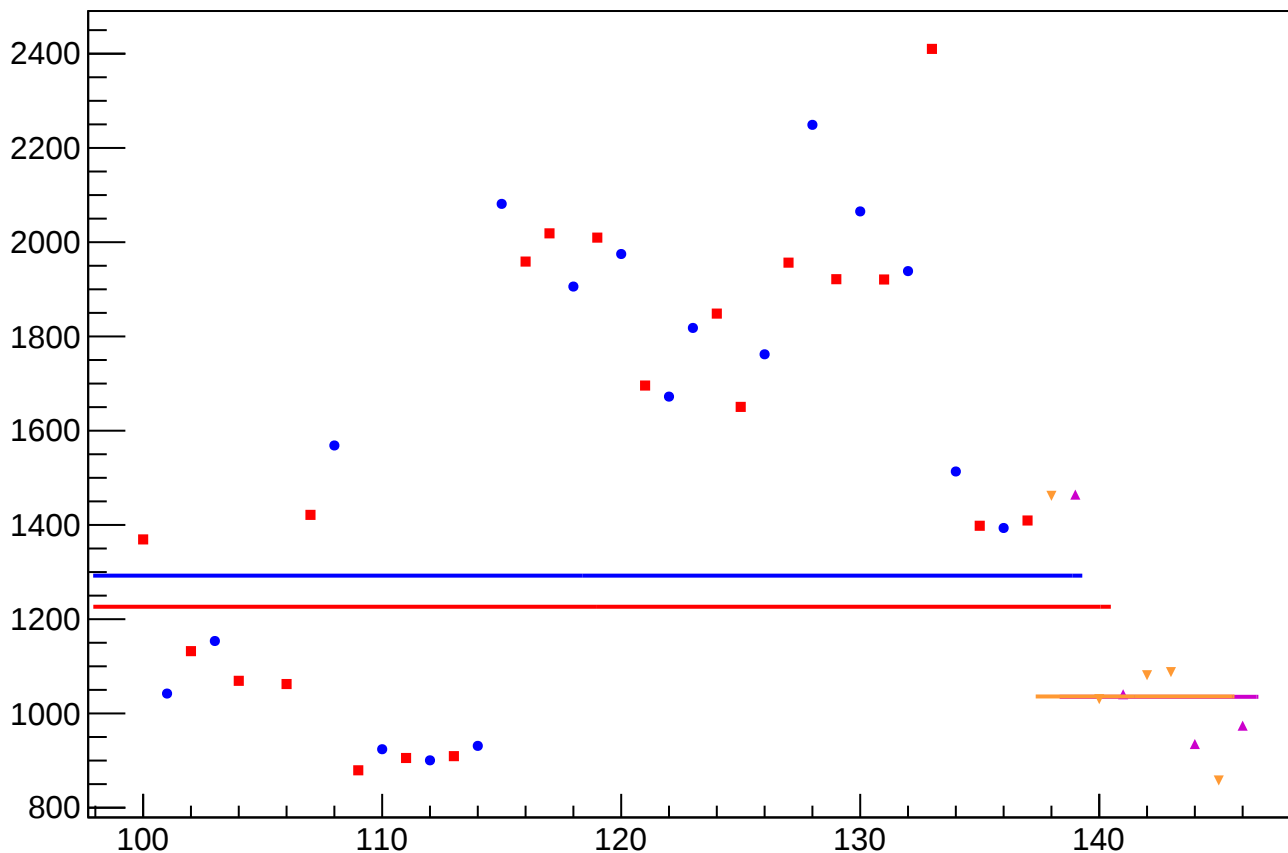
Left In: -900.141+/-585.136 χ^2/NDF : 2.6/3

591.068+/-388.318 χ^2/NDF : 35.2/21

-190.689+/-268.991 χ^2/NDF : 57.7/45

-911.867+/-372.969 χ^2/NDF : 14.8/23

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1036.015+/-0.406 χ^2/NDF : 192942.5/4

Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

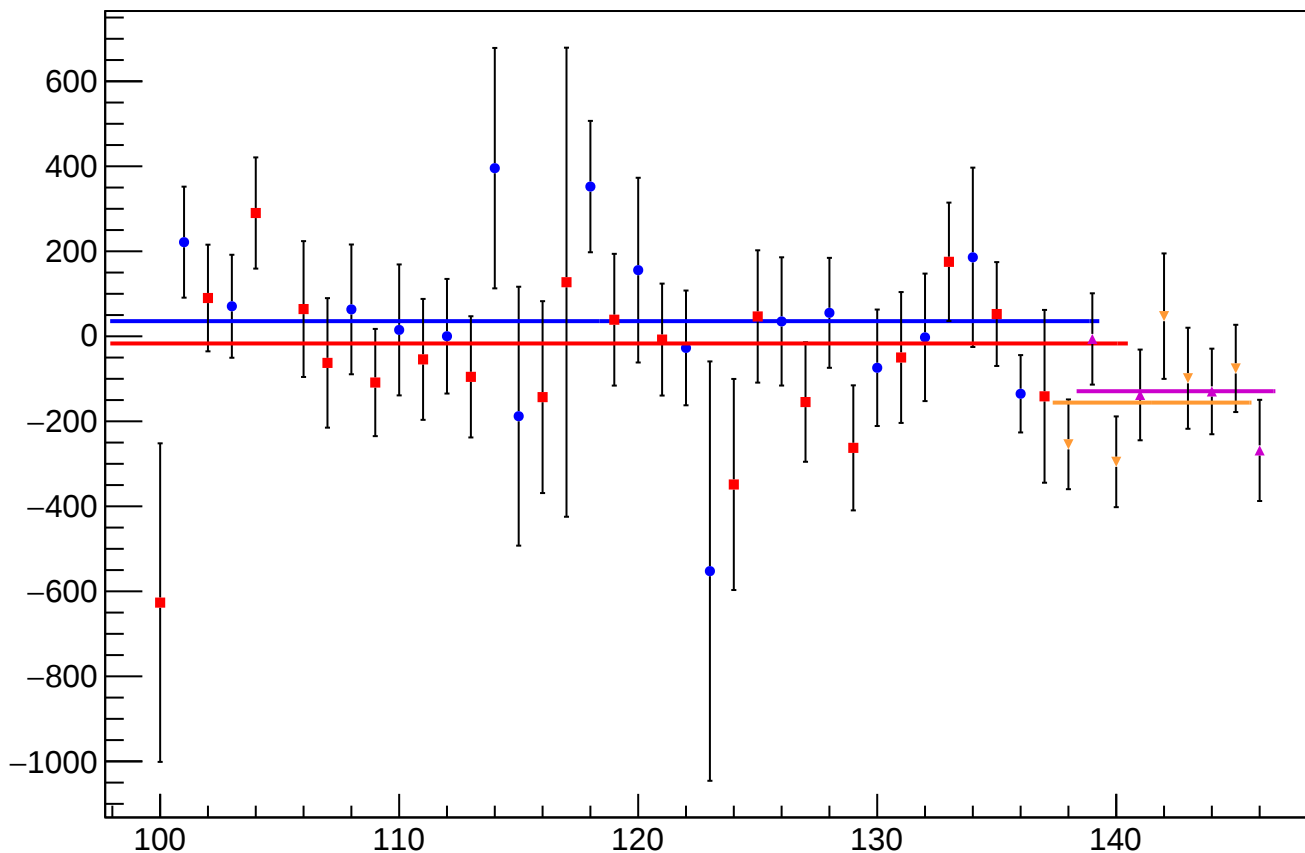
Left In: 1035.303+/-0.414 χ^2/NDF : 149304.2/3

1175.188+/-0.275 χ^2/NDF : 1565928.3/21

1161.444+/-0.190 χ^2/NDF : 3205844.2/45

1148.765+/-0.264 χ^2/NDF : 1635099.3/23

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -155.970 ± 50.698 $\chi^2/\text{NDF}: 5.3/4$

Right Out: -16.849 ± 34.623 $\chi^2/\text{NDF}: 19.0/19$

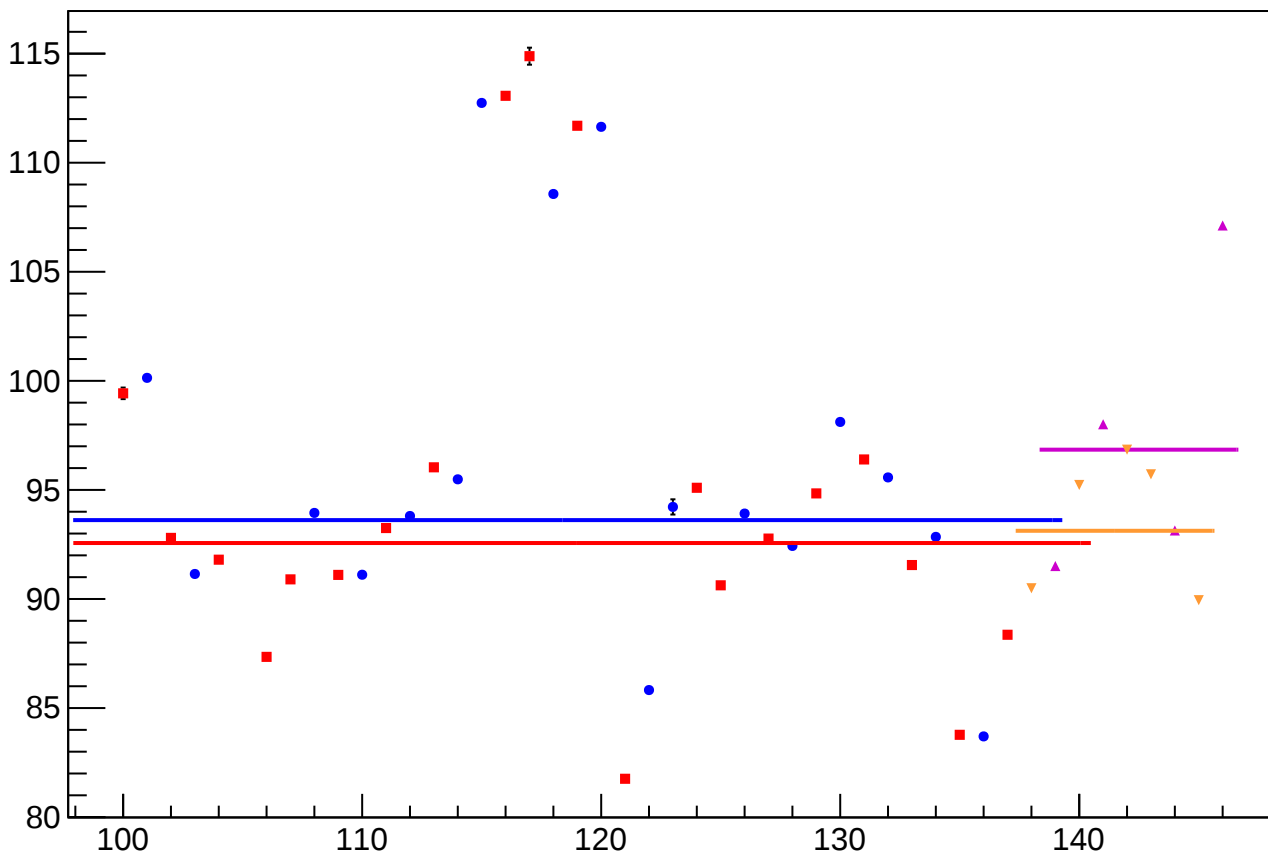
Left In: -129.186 ± 53.936 $\chi^2/\text{NDF}: 2.7/3$

-29.393 ± 29.542 $\chi^2/\text{NDF}: 30.0/21$

-39.652 ± 20.744 $\chi^2/\text{NDF}: 55.0/45$

-49.631 ± 29.136 $\chi^2/\text{NDF}: 24.7/23$

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616 ± 0.026 χ^2/NDF : 79928.5/16

Left Out: 93.126 ± 0.036 χ^2/NDF : 6159.2/4

Right Out: 92.565 ± 0.024 χ^2/NDF : 81875.5/19

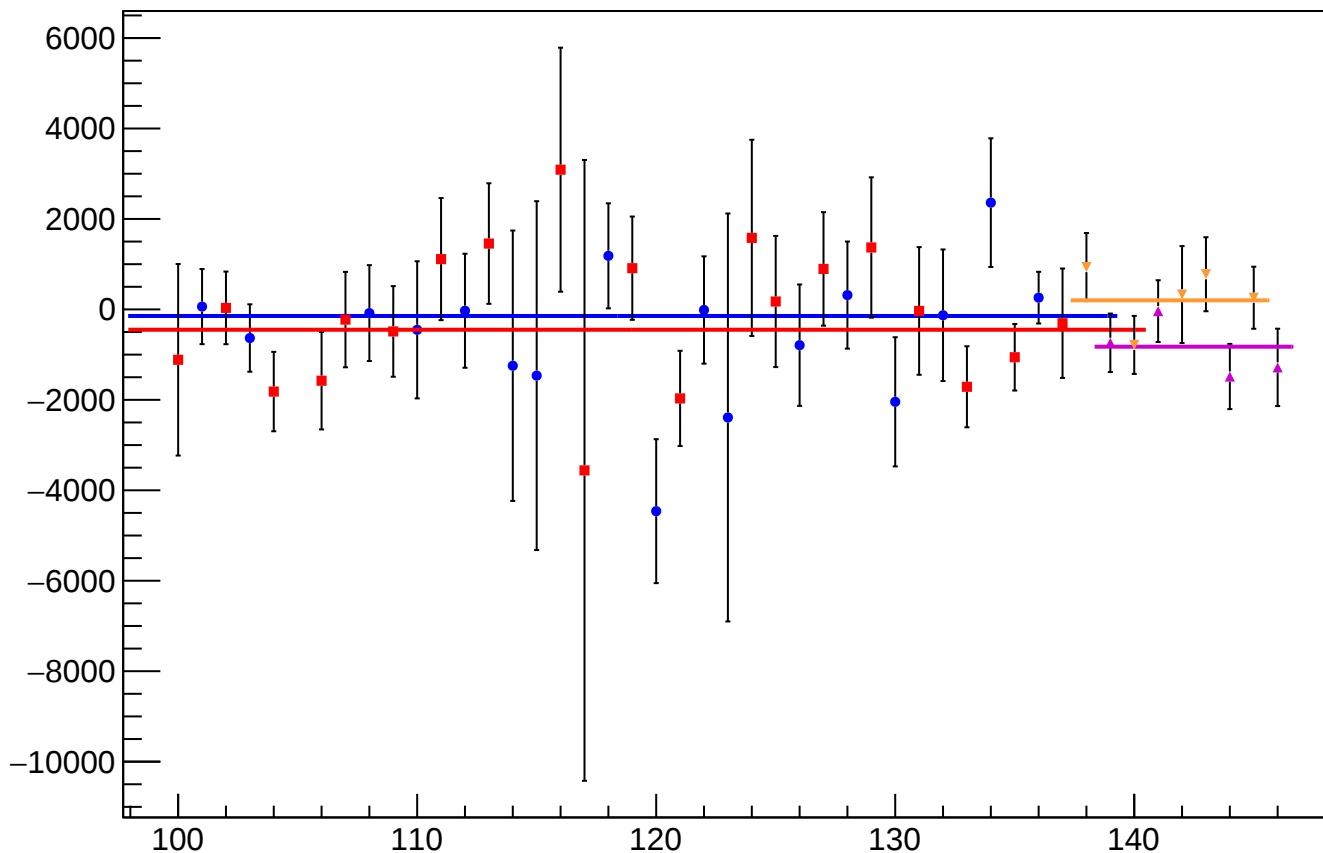
Left In: 96.845 ± 0.038 χ^2/NDF : 22788.3/3

93.450 ± 0.021 χ^2/NDF : 86211.0/21

93.634 ± 0.015 χ^2/NDF : 199946.1/45

93.814 ± 0.021 χ^2/NDF : 113580.8/23

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 200.421 ± 339.266 χ^2/NDF : 3.8/4

Right Out: -450.047 ± 260.089 χ^2/NDF : 19.2/19

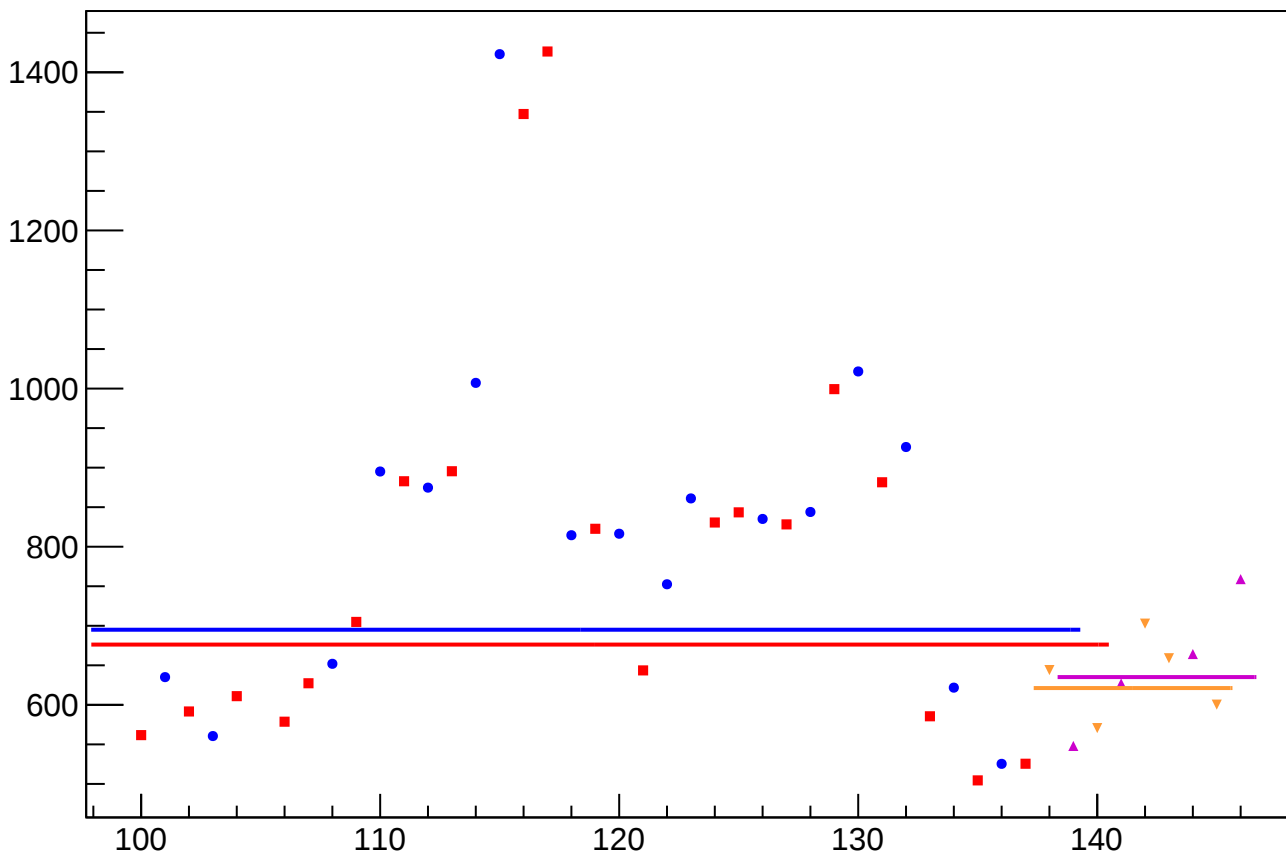
Left In: -824.587 ± 357.461 χ^2/NDF : 2.5/3

-7.338 ± 214.394 χ^2/NDF : 19.9/21

-299.019 ± 150.135 χ^2/NDF : 45.9/45

-579.694 ± 210.310 χ^2/NDF : 22.4/23

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014 $\pm$ 0.196 χ^2/NDF : 677713.0/16

Left Out: 621.241 $\pm$ 0.240 χ^2/NDF : 31982.6/4

Right Out: 676.229 $\pm$ 0.184 χ^2/NDF : 700313.6/19

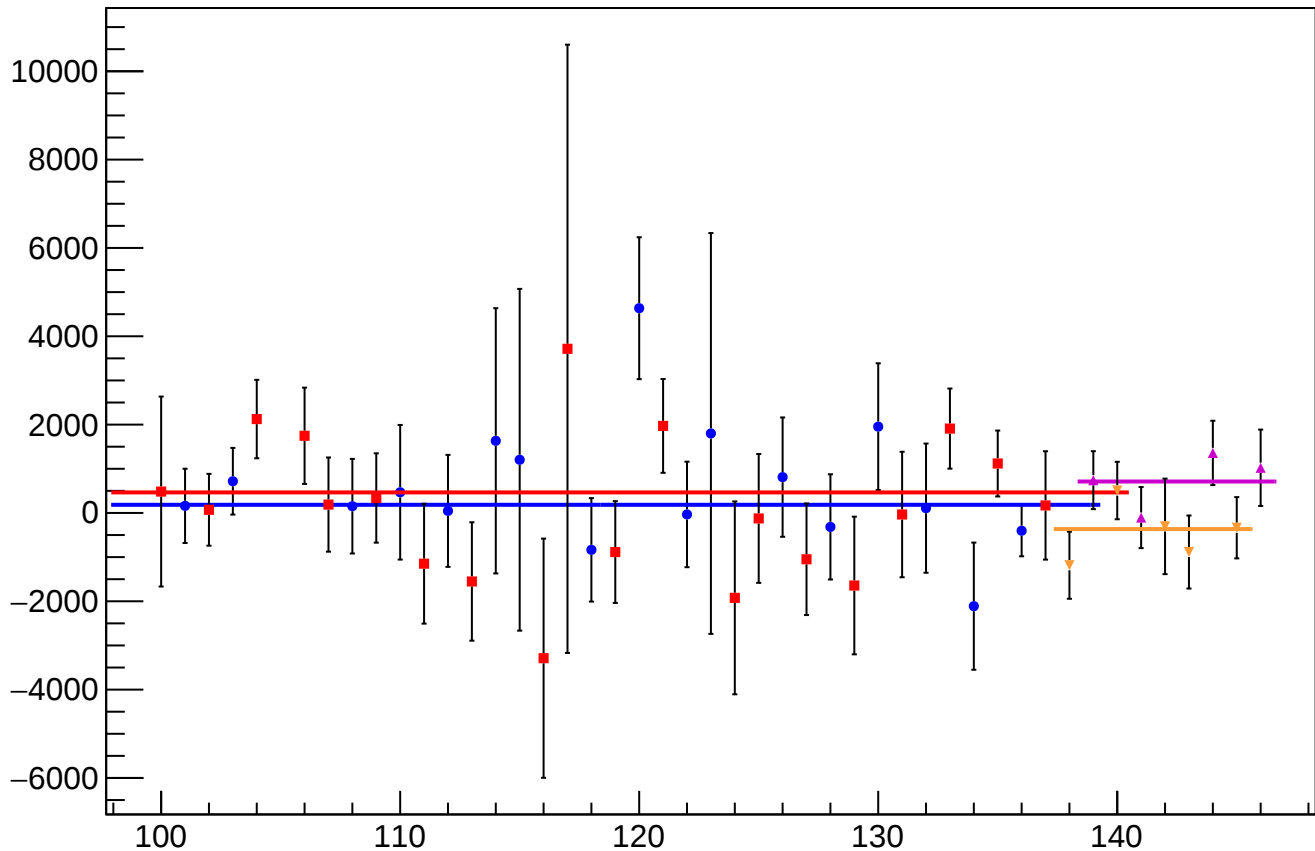
Left In: 635.129 $\pm$ 0.253 χ^2/NDF : 81734.8/3

665.554 $\pm$ 0.152 χ^2/NDF : 766497.8/21

663.744 $\pm$ 0.106 χ^2/NDF : 1566113.9/45

662.002 $\pm$ 0.149 χ^2/NDF : 799336.4/23

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -364.945 $\pm$ 343.161 χ^2 /NDF: 3.4/4

Right Out: 464.916 $\pm$ 262.768 χ^2 /NDF: 22.5/19

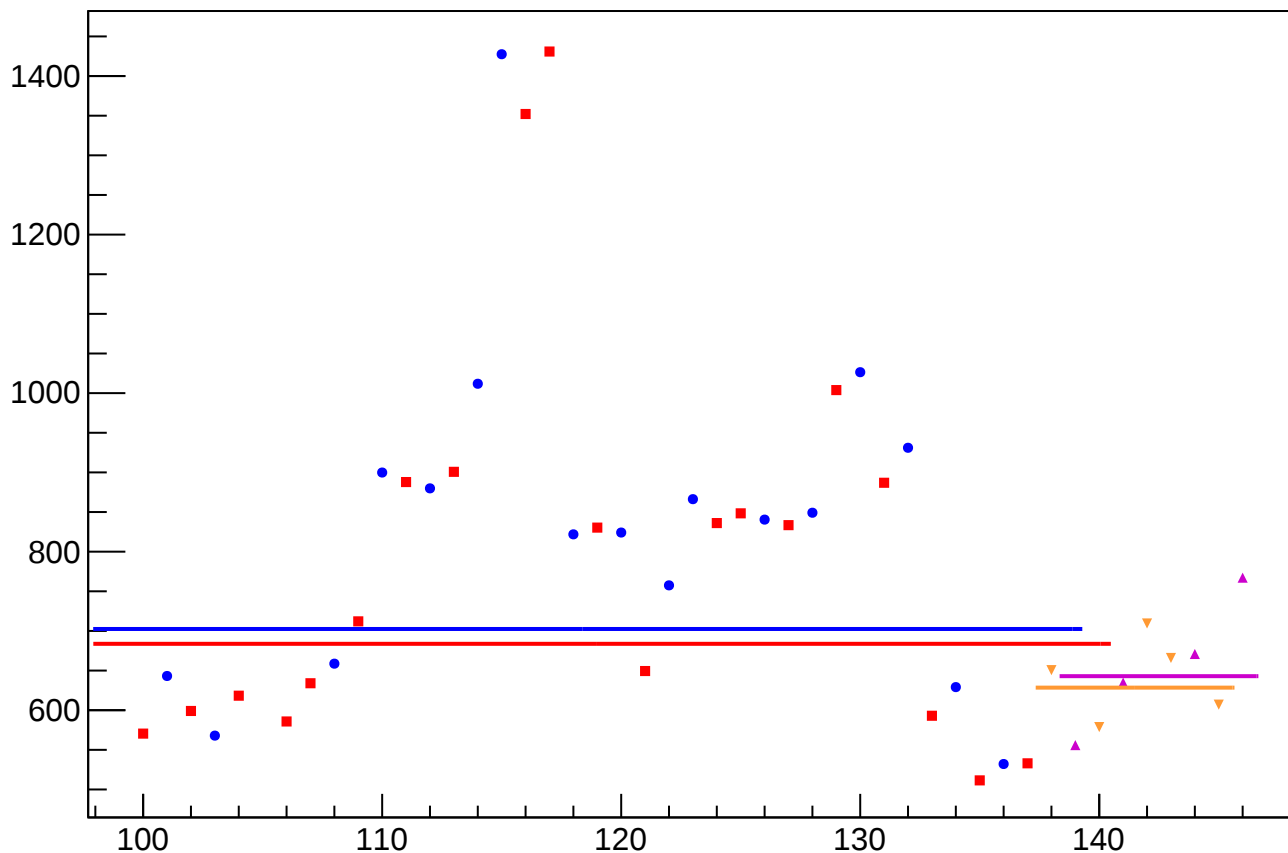
Left In: 711.573 $\pm$ 361.731 χ^2 /NDF: 2.3/3

-34.514 $\pm$ 216.662 χ^2 /NDF: 19.8/21

263.337 $\pm$ 151.745 χ^2 /NDF: 48.7/45

550.115 $\pm$ 212.597 χ^2 /NDF: 25.1/23

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 $\pm$ 0.198 χ^2/NDF : 660525.4/16

Left Out: 628.481 $\pm$ 0.243 χ^2/NDF : 30616.1/4

Right Out: 683.751 $\pm$ 0.186 χ^2/NDF : 683105.3/19

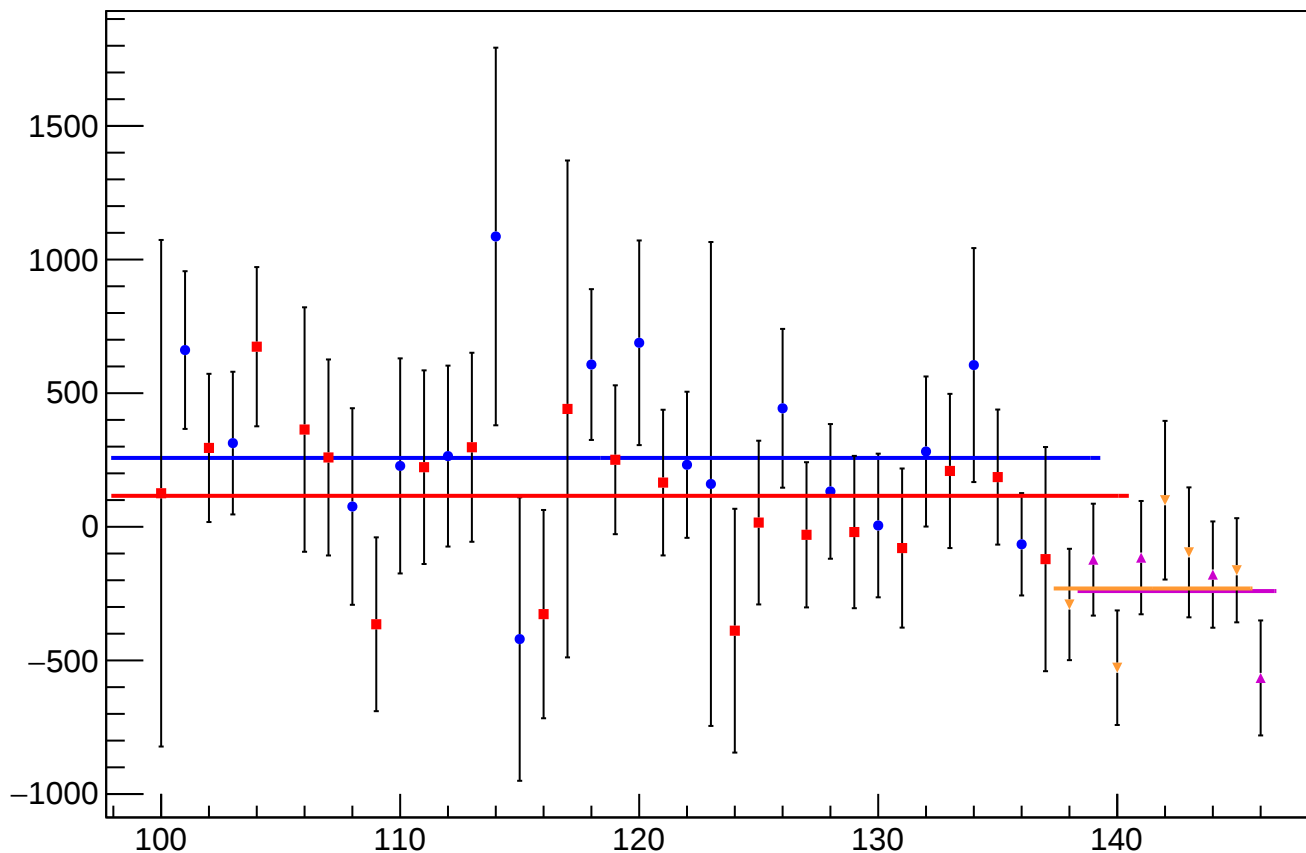
Left In: 642.940 $\pm$ 0.256 χ^2/NDF : 79727.6/3

672.975 $\pm$ 0.153 χ^2/NDF : 747053.3/21

671.283 $\pm$ 0.107 χ^2/NDF : 1526789.9/45

669.654 $\pm$ 0.150 χ^2/NDF : 779497.3/23

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -230.805 $\pm$ 100.297 χ^2 /NDF:3.7/4

Right Out: 115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

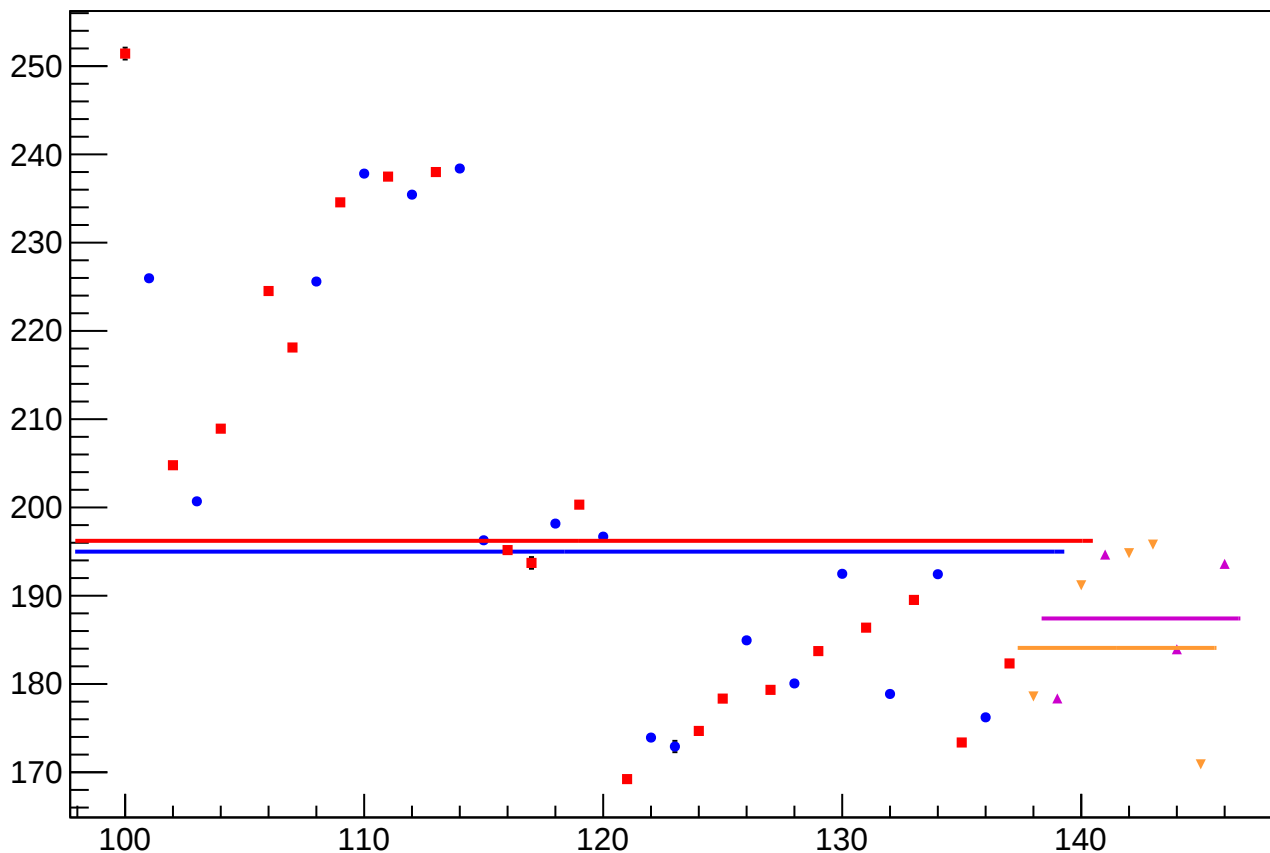
Left In: -240.449 $\pm$ 104.276 χ^2 /NDF:3.0/3

79.736 $\pm$ 60.539 χ^2 /NDF: 31.7/21

38.034 $\pm$ 42.735 χ^2 /NDF: 54.9/45

-3.387 $\pm$ 60.335 χ^2 /NDF: 22.2/23

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 $\pm$ 0.054 χ^2/NDF : 144271.1/16

Left Out: 184.088 $\pm$ 0.071 χ^2/NDF : 19996.4/4

Right Out: 196.219 $\pm$ 0.052 χ^2/NDF : 173506.2/19

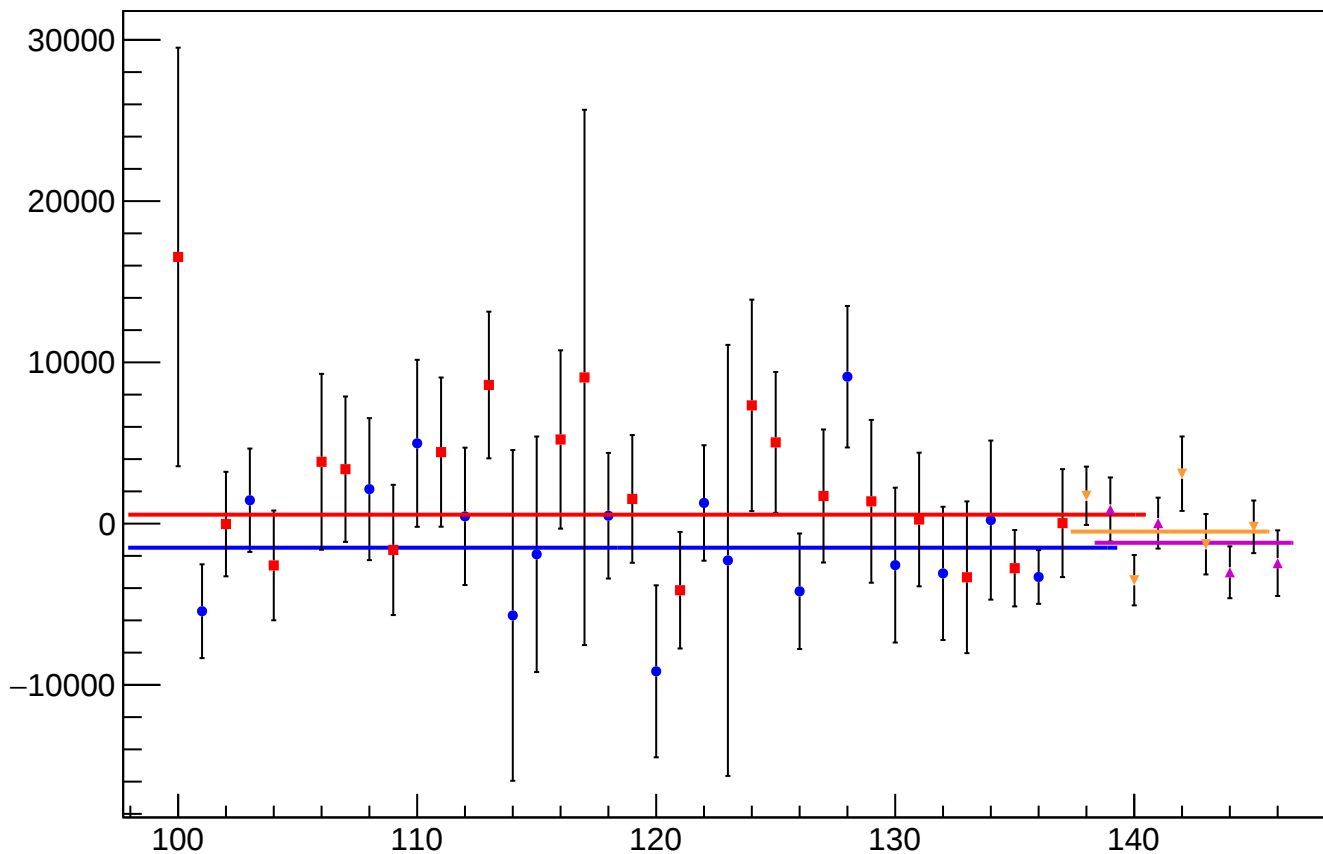
Left In: 187.423 $\pm$ 0.074 χ^2/NDF : 8346.3/3

191.021 $\pm$ 0.043 χ^2/NDF : 179300.1/21

192.151 $\pm$ 0.030 χ^2/NDF : 372009.3/45

193.274 $\pm$ 0.043 χ^2/NDF : 191319.1/23

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280 $\pm$ 910.834 χ^2 /NDF: 16.1/16

Left Out: -493.270 $\pm$ 799.149 χ^2 /NDF: 7.9/4

Right Out: 555.744 $\pm$ 933.239 χ^2 /NDF: 14.9/19

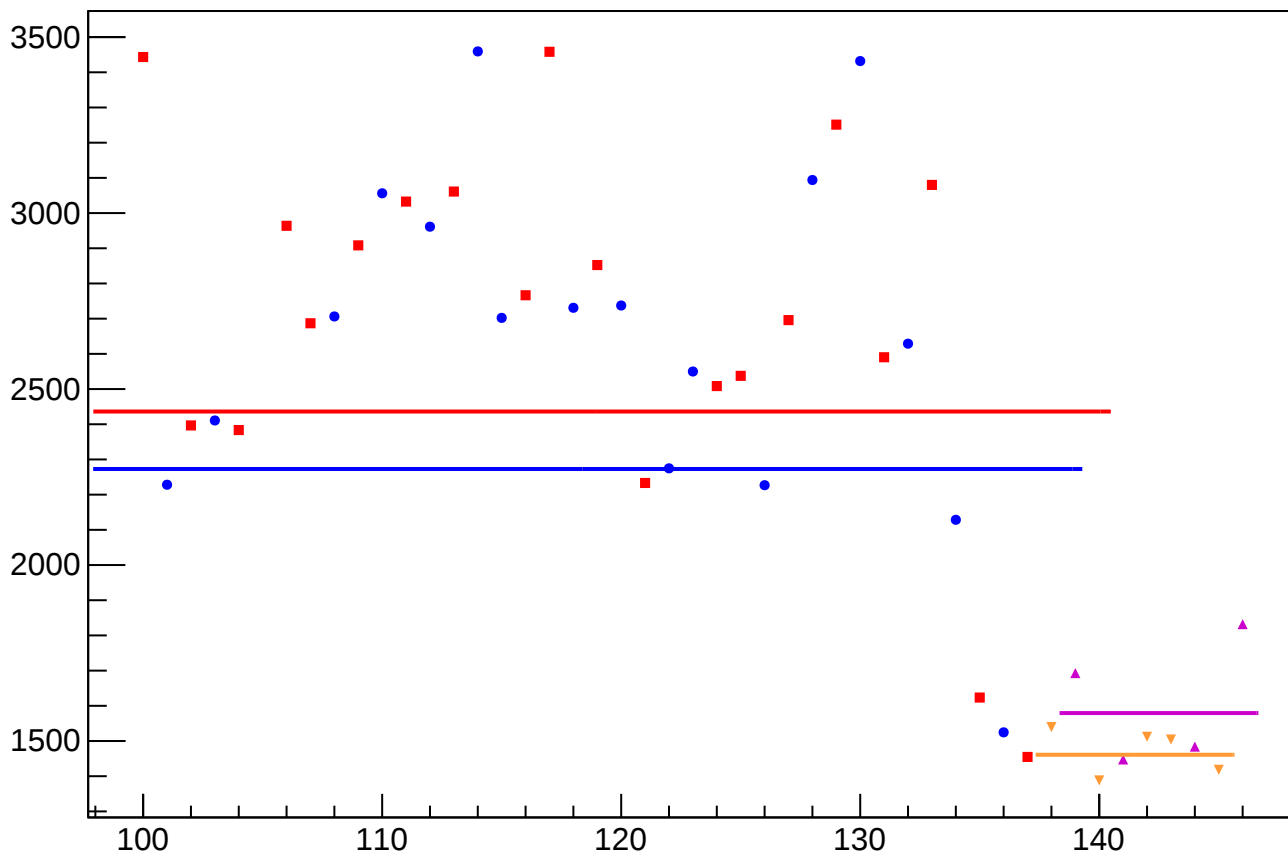
Left In: -1188.313 $\pm$ 883.300 χ^2 /NDF: 3.4/3

-928.239 $\pm$ 600.711 χ^2 /NDF: 24.7/21

-664.724 $\pm$ 438.483 χ^2 /NDF: 45.2/45

-364.195 $\pm$ 641.516 χ^2 /NDF: 20.1/23

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1460.910+/-0.565 χ^2/NDF : 11579.2/4

Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

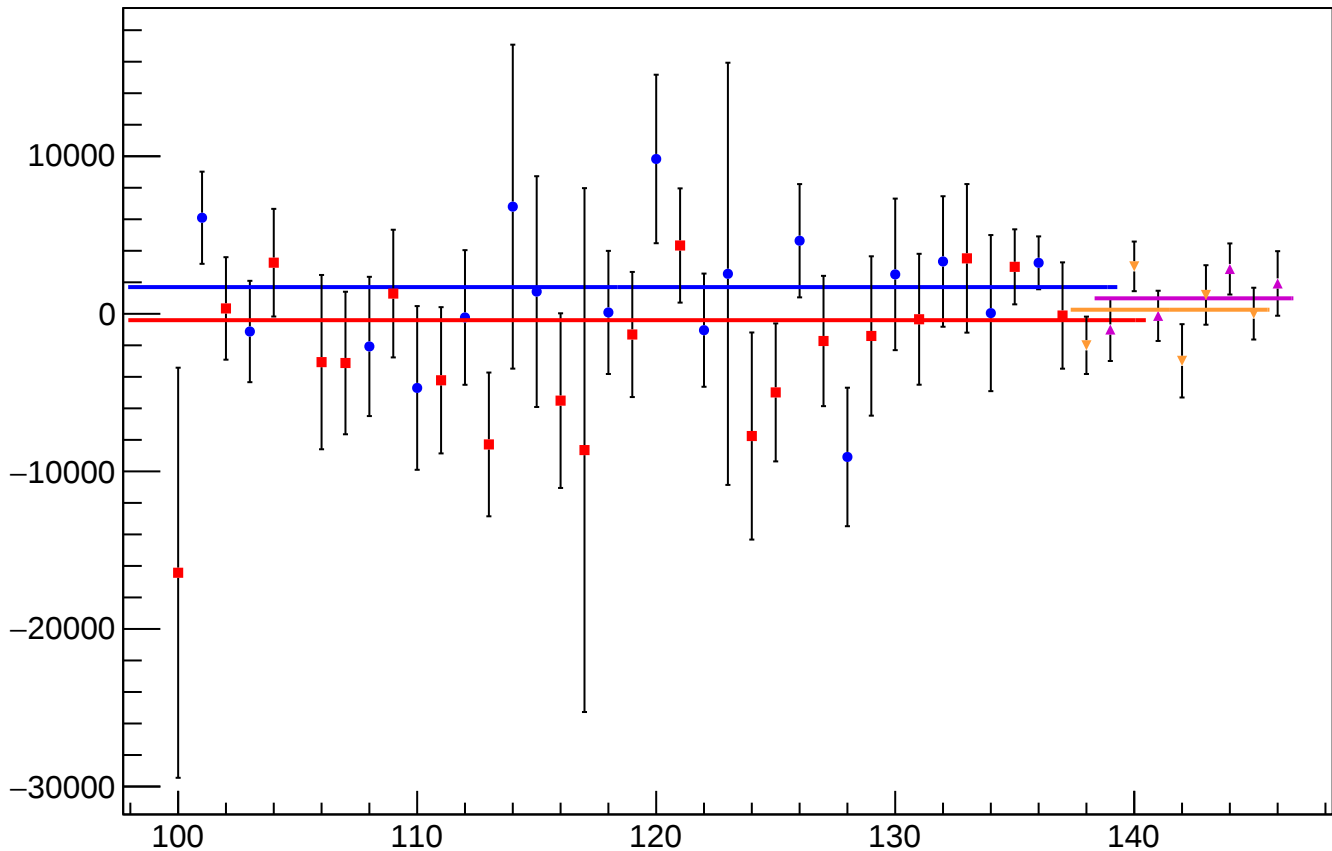
Left In: 1579.397+/-0.625 χ^2/NDF : 58241.6/3

1814.089+/-0.425 χ^2/NDF : 1715301.4/21

1893.590+/-0.310 χ^2/NDF : 3426106.7/45

1984.257+/-0.454 χ^2/NDF : 1635825.5/23

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 ± 914.855 $\chi^2/\text{NDF}: 16.6/16$

Left Out: 260.039 ± 805.731 $\chi^2/\text{NDF}: 6.8/4$

Right Out: -403.904 ± 937.036 $\chi^2/\text{NDF}: 15.2/19$

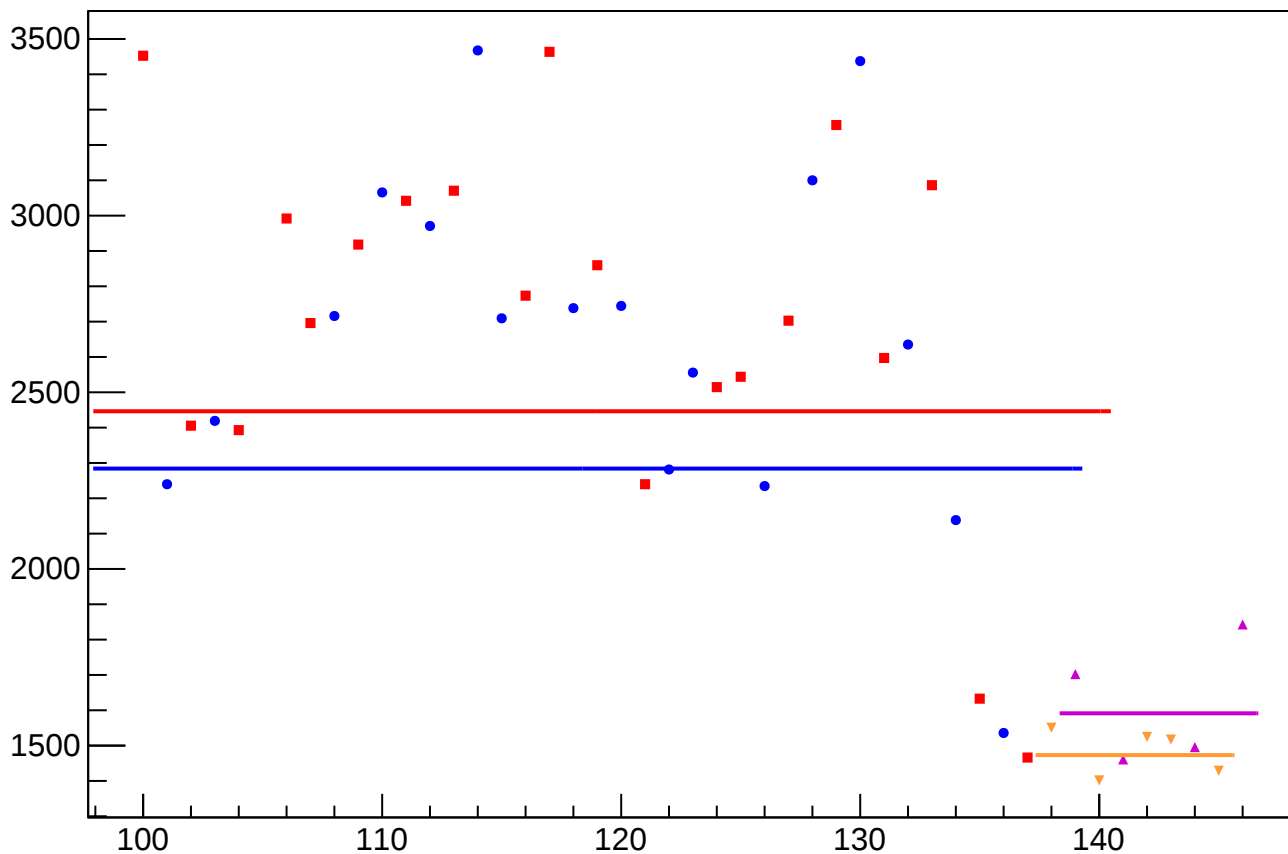
Left In: 983.405 ± 889.838 $\chi^2/\text{NDF}: 3.0/3$

887.293 ± 604.657 $\chi^2/\text{NDF}: 24.8/21$

624.654 ± 441.210 $\chi^2/\text{NDF}: 44.6/45$

325.568 ± 645.251 $\chi^2/\text{NDF}: 19.4/23$

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1473.163 $\pm$ 0.570 χ^2 /NDF: 11271.8/4

Right Out: 2446.366 $\pm$ 0.663 χ^2 /NDF: 680413.3/19

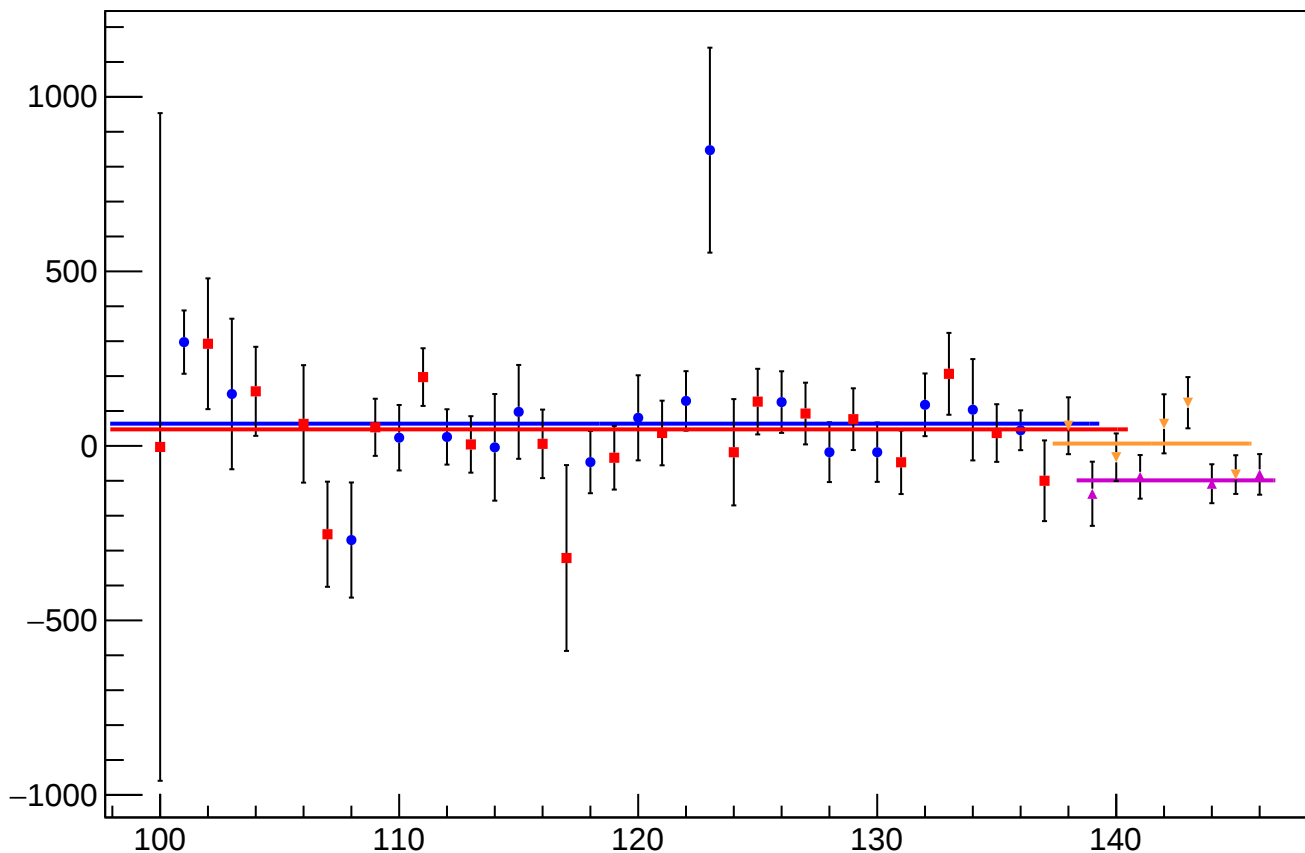
Left In: 1591.378 $\pm$ 0.629 χ^2 /NDF: 56679.6/3

1827.408 $\pm$ 0.428 χ^2 /NDF: 1690261.0/21

1906.607 $\pm$ 0.312 χ^2 /NDF: 3376275.8/45

1996.798 $\pm$ 0.456 χ^2 /NDF: 1612627.1/23

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 $\pm$ 23.743 χ^2 /NDF: 23.7/16

Left Out: 6.665 $\pm$ 31.368 χ^2 /NDF: 6.3/4

Right Out: 47.367 $\pm$ 23.568 χ^2 /NDF: 18.7/19

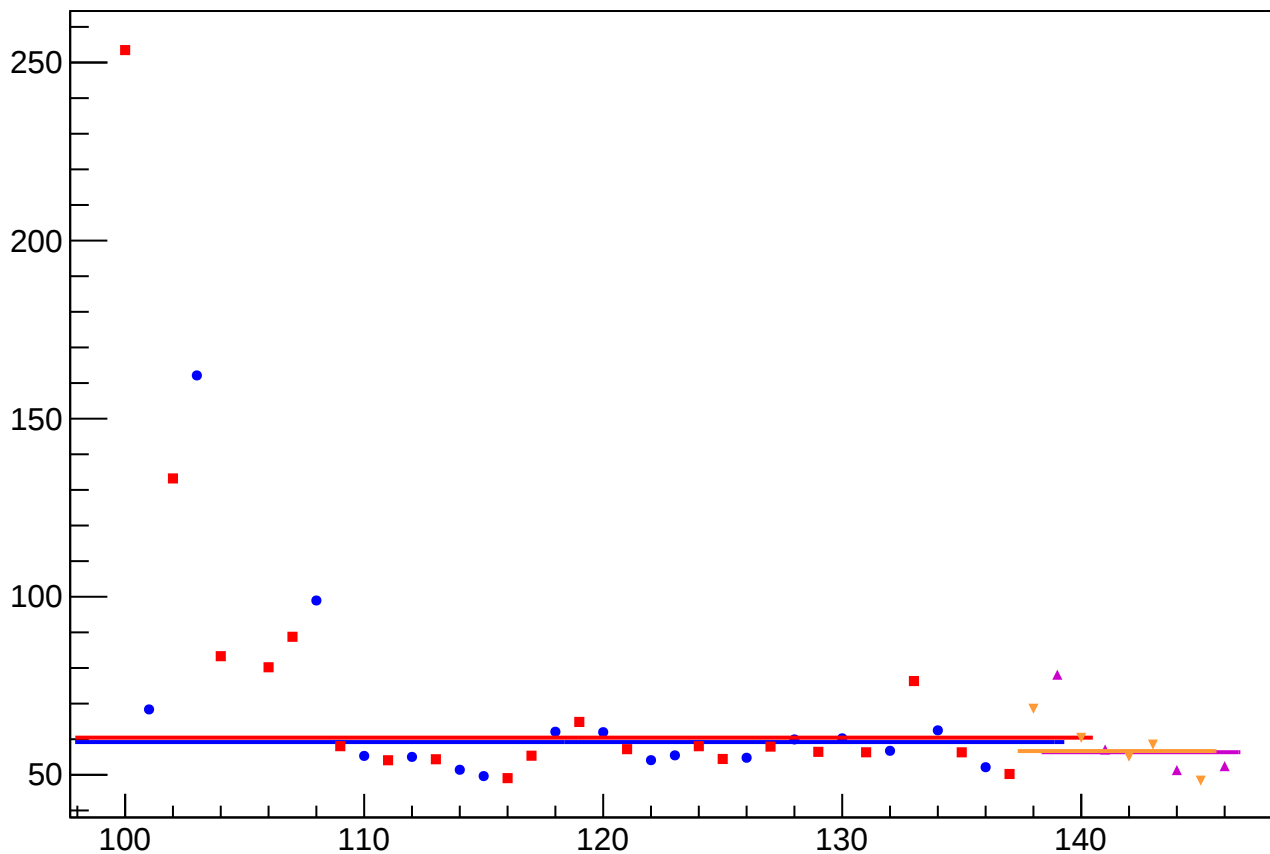
Left In: -98.790 $\pm$ 31.768 χ^2 /NDF: 0.3/3

42.904 $\pm$ 18.931 χ^2 /NDF: 32.1/21

19.189 $\pm$ 13.385 χ^2 /NDF: 67.9/45

-4.519 $\pm$ 18.928 χ^2 /NDF: 32.7/23

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200 +/- 0.017 χ^2/NDF : 665472.4/16

Left Out: 56.675 +/- 0.022 χ^2/NDF : 95300.4/4

Right Out: 60.443 +/- 0.017 χ^2/NDF : 680790.3/19

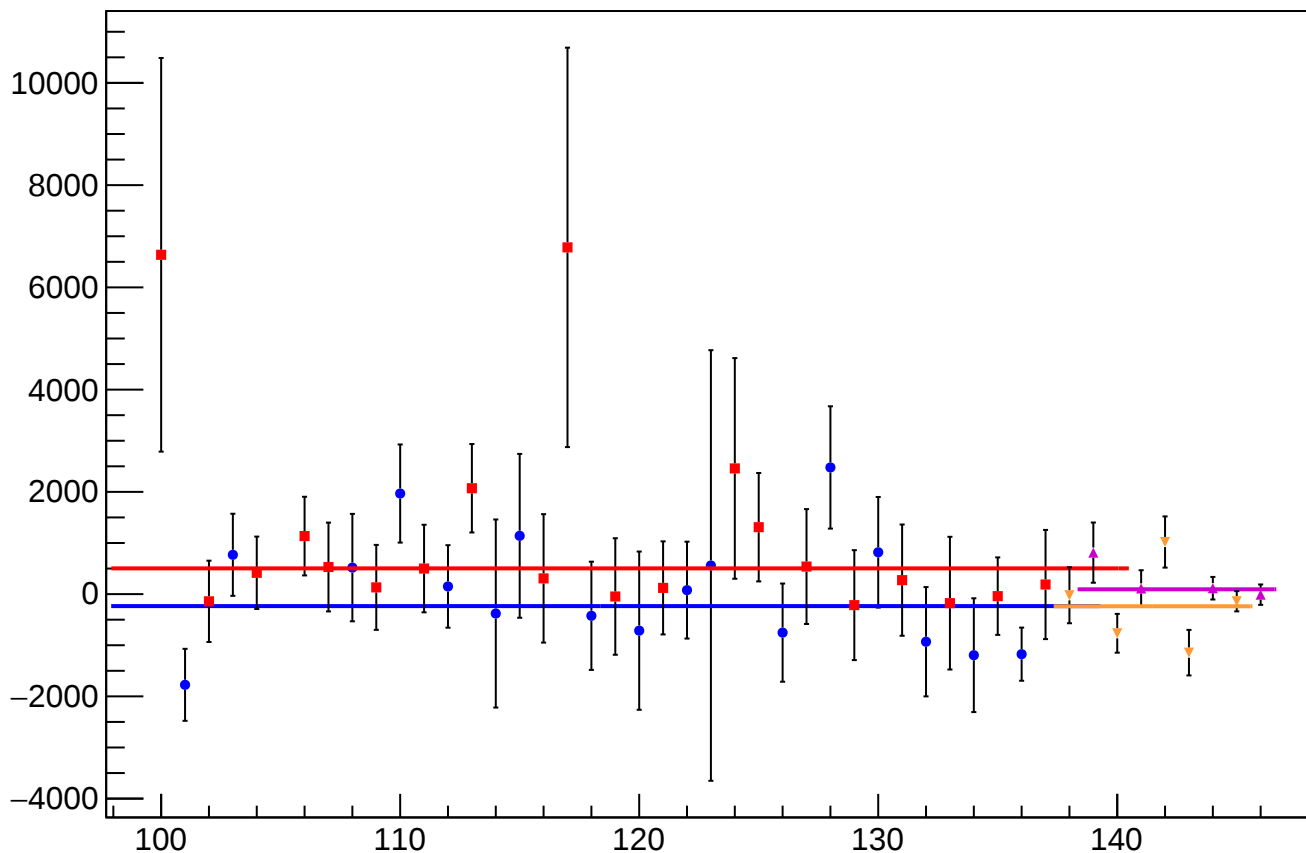
Left In: 56.353 +/- 0.022 χ^2/NDF : 137663.7/3

58.281 +/- 0.013 χ^2/NDF : 769013.1/21

58.636 +/- 0.009 χ^2/NDF : 1610256.3/45

58.991 +/- 0.013 χ^2/NDF : 839833.9/23

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -237.975 ± 149.323 χ^2/NDF : 12.8/4

Right Out: 503.638 ± 221.955 χ^2/NDF : 13.2/19

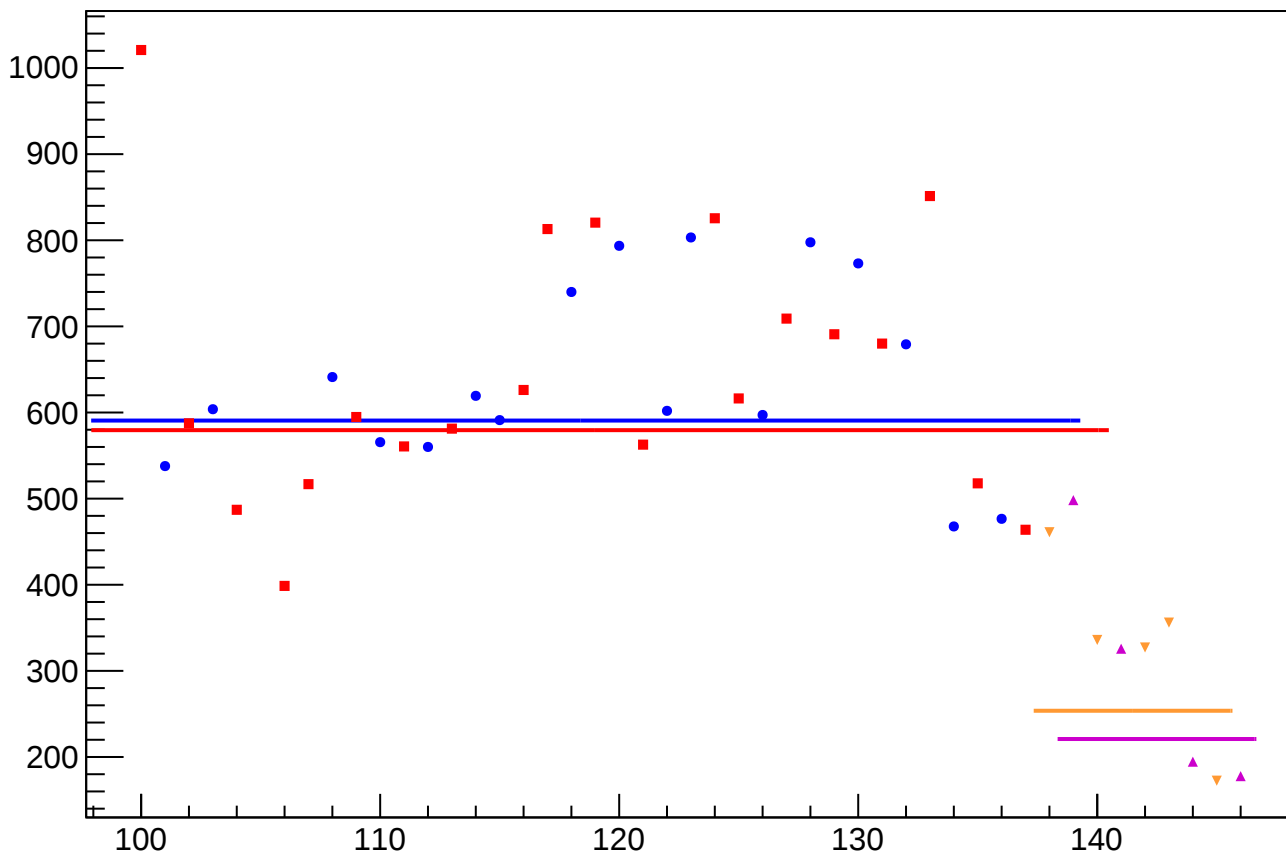
Left In: 94.283 ± 133.156 χ^2/NDF : 1.8/3

-236.966 ± 125.858 χ^2/NDF : 37.0/21

4.157 ± 84.567 χ^2/NDF : 61.1/45

202.622 ± 114.184 χ^2/NDF : 17.4/23

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659 $\pm$ 0.165 χ^2/NDF : 352080.1/16

Left Out: 253.686 $\pm$ 0.106 χ^2/NDF : 866185.1/4

Right Out: 579.509 $\pm$ 0.157 χ^2/NDF : 501132.1/19

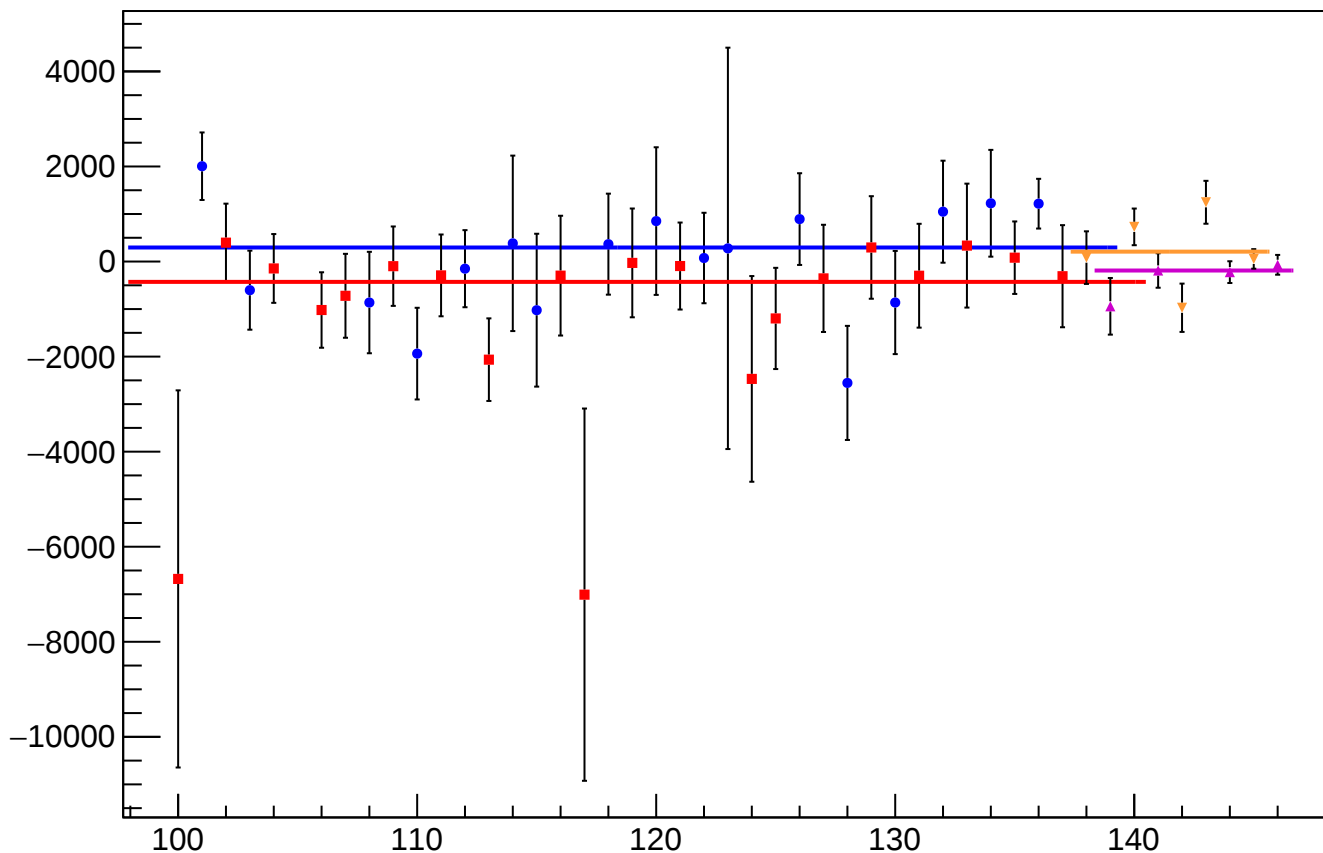
Left In: 220.881 $\pm$ 0.094 χ^2/NDF : 738611.2/3

351.269 $\pm$ 0.089 χ^2/NDF : 4167746.4/21

331.810 $\pm$ 0.060 χ^2/NDF : 9334187.1/45

315.794 $\pm$ 0.081 χ^2/NDF : 5079285.5/23

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 ± 235.860 $\chi^2/\text{NDF}: 26.1/16$

Left Out: 208.362 ± 153.547 $\chi^2/\text{NDF}: 13.1/4$

Right Out: -427.853 ± 224.485 $\chi^2/\text{NDF}: 13.8/19$

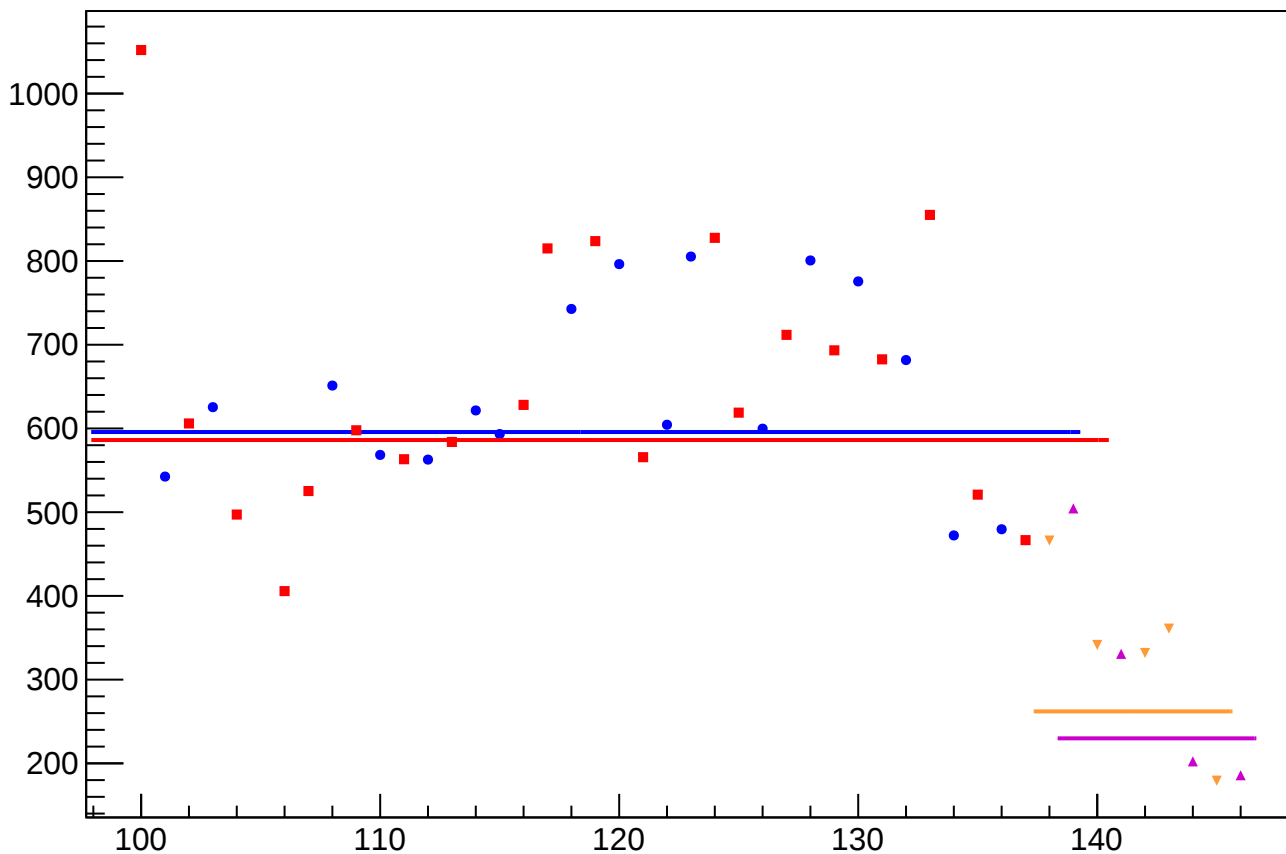
Left In: -188.883 ± 137.895 $\chi^2/\text{NDF}: 2.0/3$

234.270 ± 128.681 $\chi^2/\text{NDF}: 39.3/21$

-32.192 ± 86.768 $\chi^2/\text{NDF}: 63.8/45$

-254.350 ± 117.498 $\chi^2/\text{NDF}: 16.6/23$

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2/NDF : 350058.2/16

Left Out: 262.052 $\pm$ 0.109 χ^2/NDF :814085.2/4

Right Out: 586.176 $\pm$ 0.159 χ^2/NDF : 481325.4/19

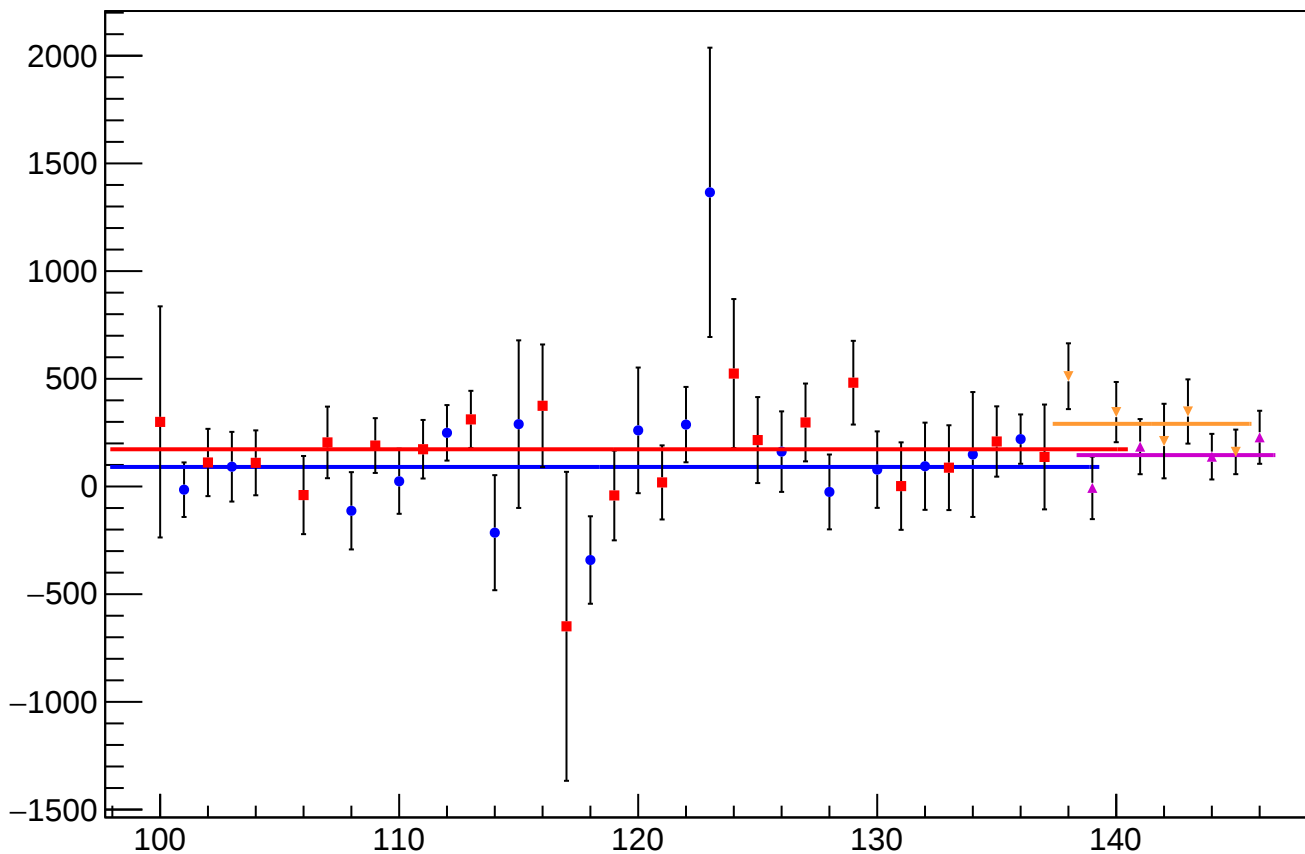
Left In: 229.859 $\pm$ 0.098 χ^2/NDF :698390.9/3

361.375 $\pm$ 0.091 χ^2/NDF : 3975614.3/21

342.888 $\pm$ 0.061 χ^2/NDF : 8889419.1/45

327.475 $\pm$ 0.083 χ^2/NDF : 4838108.2/23

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 290.922+/-61.339 χ^2/NDF : 4.2/4

Right Out: 172.786+/-41.033 χ^2/NDF : 11.6/19

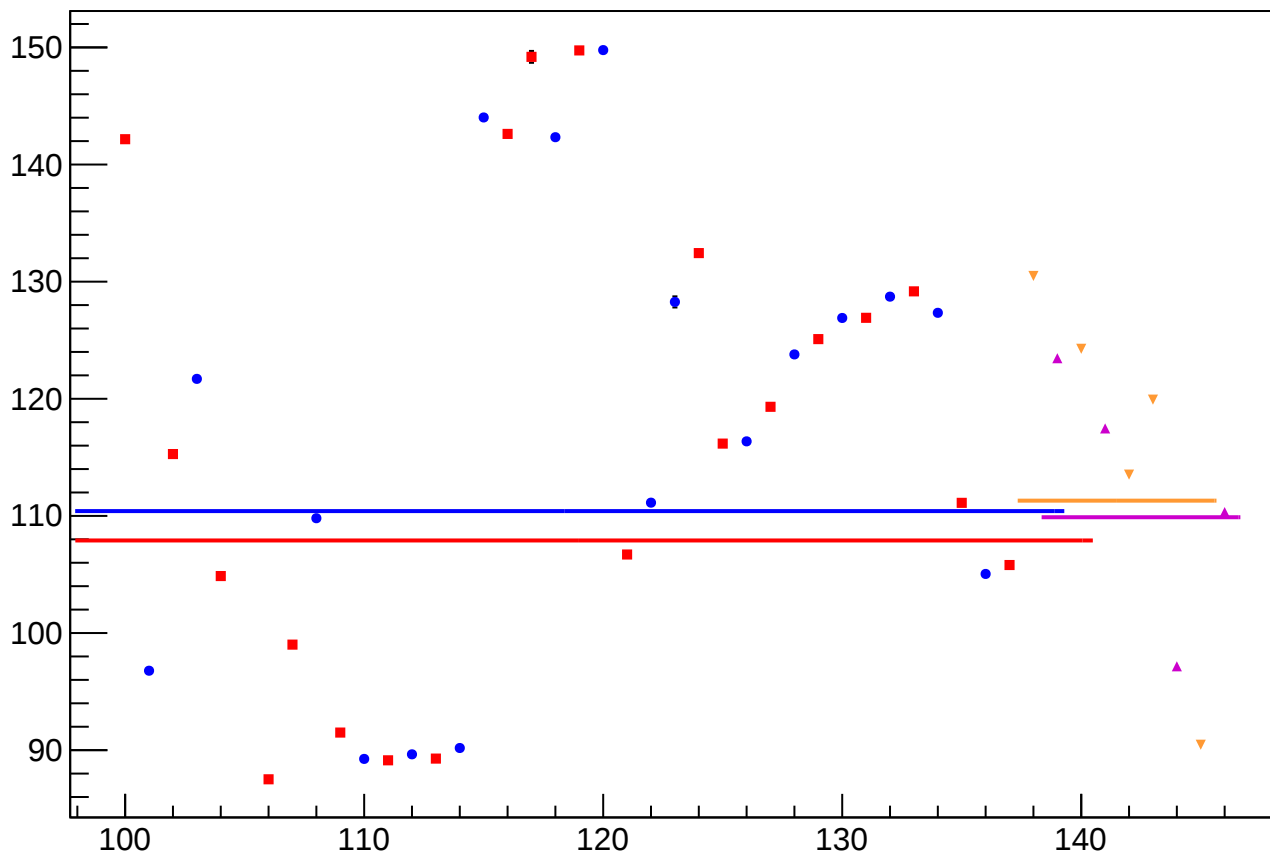
Left In: 145.738+/-61.589 χ^2/NDF : 1.6/3

157.323+/-35.381 χ^2/NDF : 28.2/21

161.023+/-24.571 χ^2/NDF : 41.6/45

164.470+/-34.149 χ^2/NDF : 13.4/23

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411+/-0.031 χ^2/NDF : 296425.4/16

Left Out: 111.303+/-0.043 χ^2/NDF : 136908.9/4

Right Out: 107.903+/-0.029 χ^2/NDF : 351091.4/19

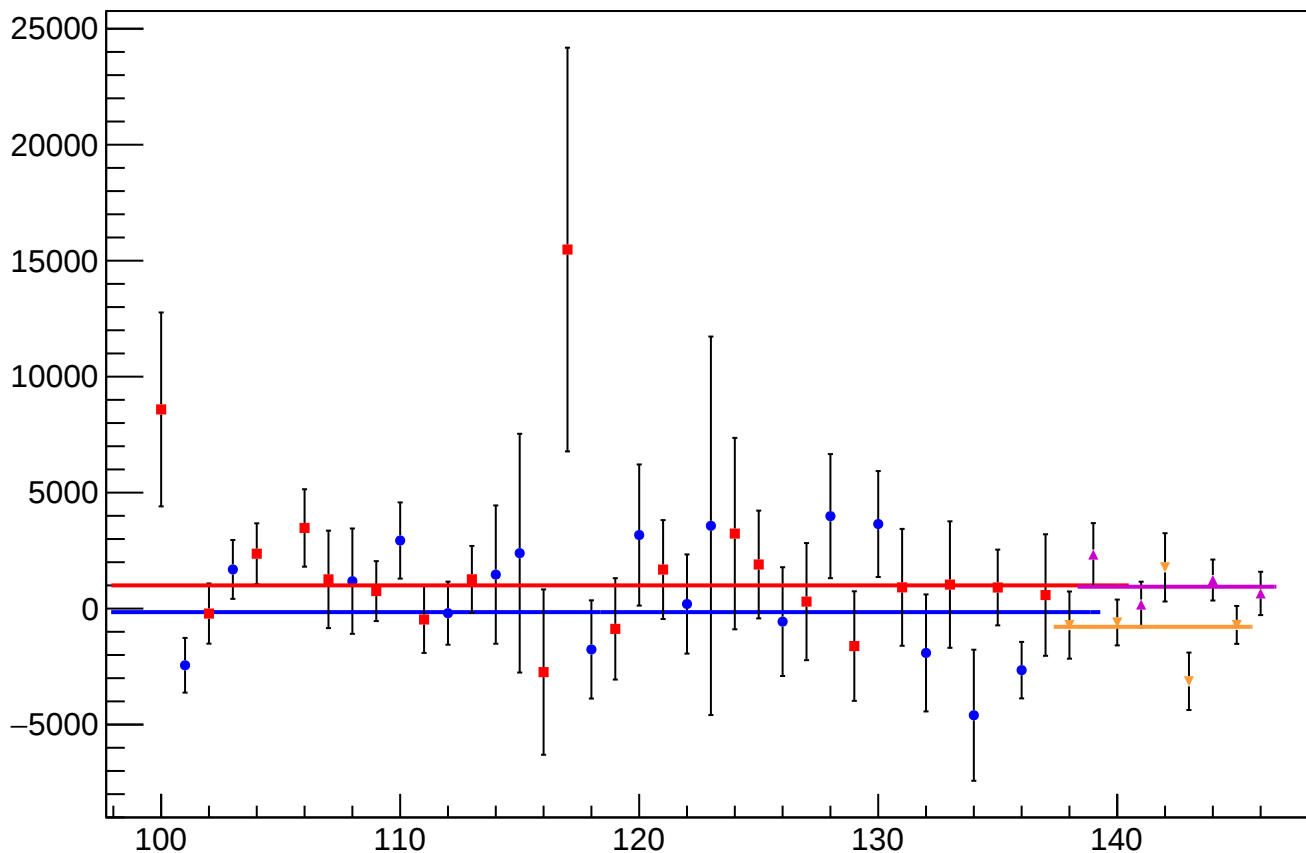
Left In: 109.887+/-0.044 χ^2/NDF : 53426.6/3

110.708+/-0.025 χ^2/NDF : 433616.4/21

109.572+/-0.017 χ^2/NDF : 843555.9/45

108.513+/-0.024 χ^2/NDF : 405954.7/23

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 $\pm$ 464.753 χ^2 /NDF: 24.7/16

Left Out: -785.758 $\pm$ 493.094 χ^2 /NDF: 6.7/4

Right Out: 1000.907 $\pm$ 434.569 χ^2 /NDF: 15.1/19

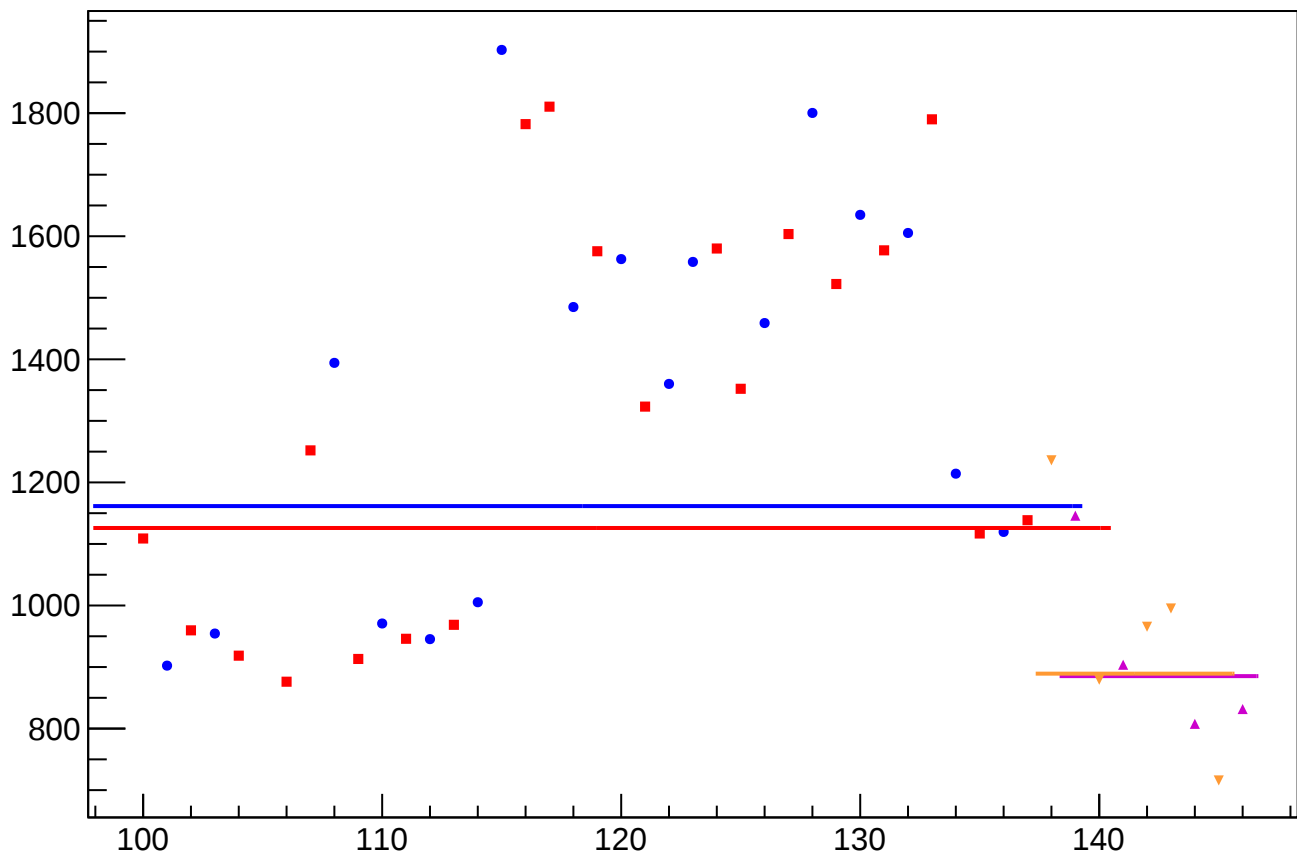
Left In: 942.921 $\pm$ 499.742 χ^2 /NDF: 1.9/3

-450.357 $\pm$ 338.205 χ^2 /NDF: 32.2/21

284.798 $\pm$ 235.428 χ^2 /NDF: 58.3/45

975.939 $\pm$ 327.925 χ^2 /NDF: 16.9/23

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 889.262 $\pm$ 0.349 χ^2 /NDF: 224820.3/4

Right Out: 1125.946 $\pm$ 0.307 χ^2 /NDF: 780195.3/19

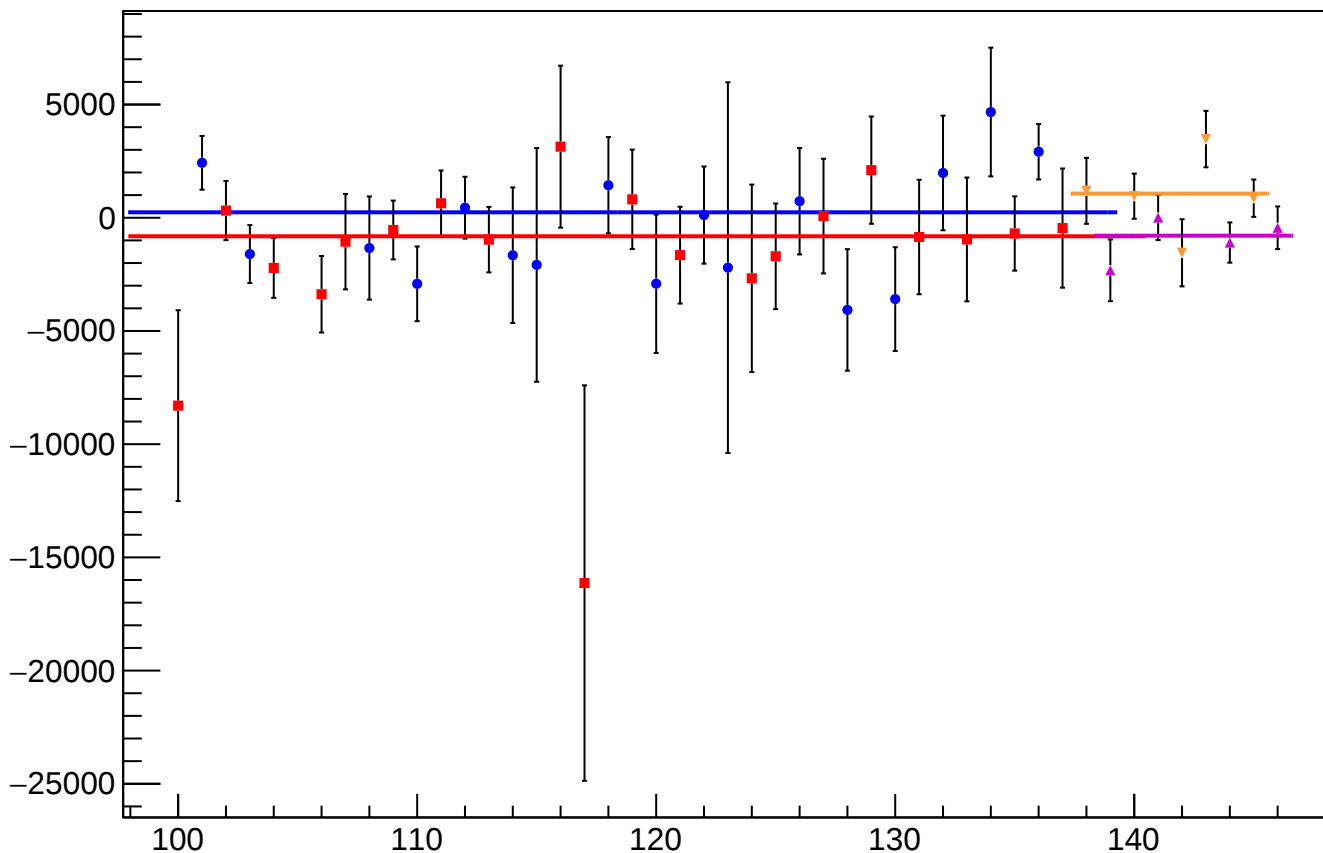
Left In: 885.250 $\pm$ 0.353 χ^2 /NDF: 96547.6/3

1033.445 $\pm$ 0.239 χ^2 /NDF: 1243638.1/21

1027.704 $\pm$ 0.166 χ^2 /NDF: 2385681.9/45

1022.307 $\pm$ 0.232 χ^2 /NDF: 1140925.7/23

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2/NDF : 24.8/16

Left Out: 1067.492 $\pm$ 497.061 χ^2/NDF : 6.9/4

Right Out: -817.635 $\pm$ 436.939 χ^2/NDF : 15.4/19

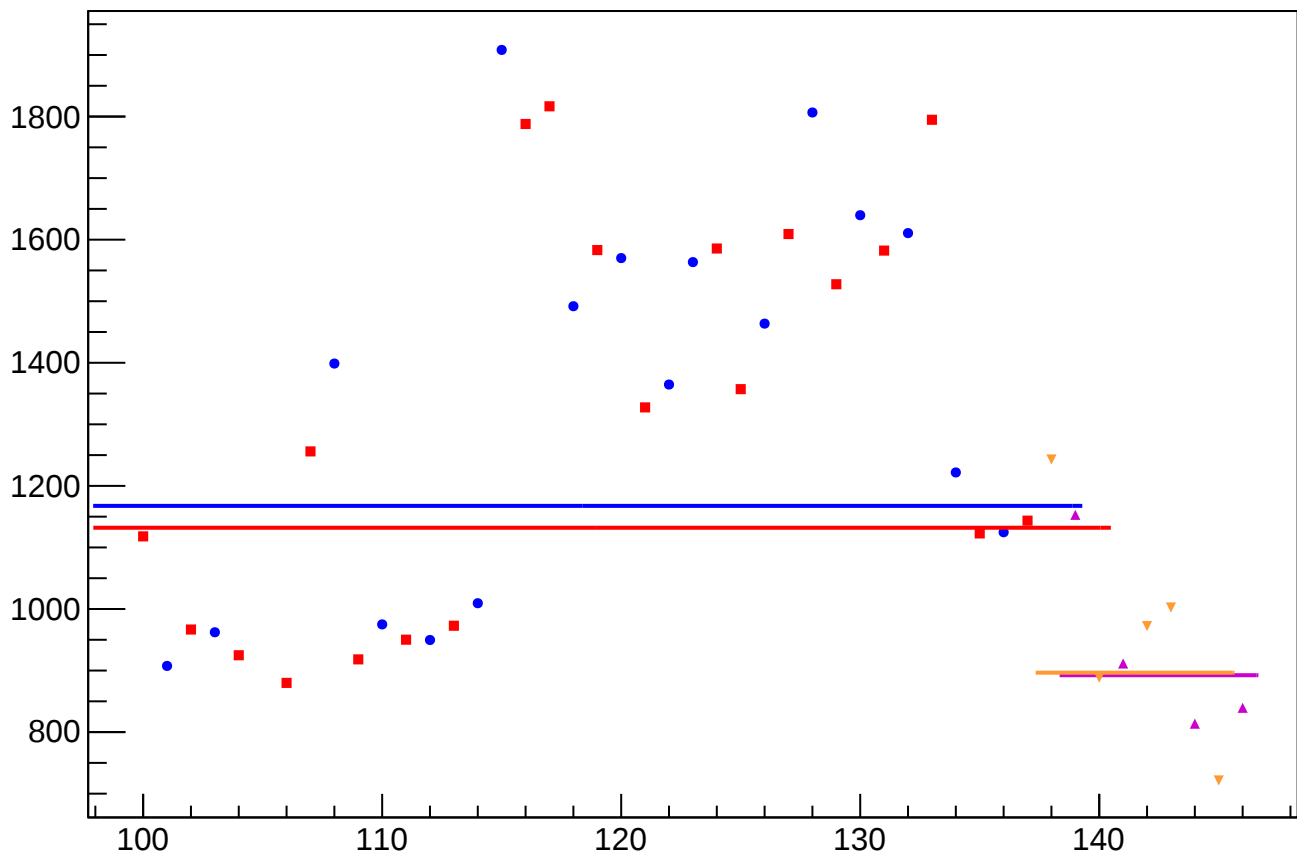
Left In: -791.776 $\pm$ 503.714 χ^2/NDF : 2.2/3

628.390 $\pm$ 340.364 χ^2/NDF : 33.2/21

-111.110 $\pm$ 236.948 χ^2/NDF : 60.0/45

-806.532 $\pm$ 330.065 χ^2/NDF : 17.6/23

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 896.544+/-0.351 χ^2/NDF : 223080.5/4

Right Out: 1132.019+/-0.309 χ^2/NDF : 773827.8/19

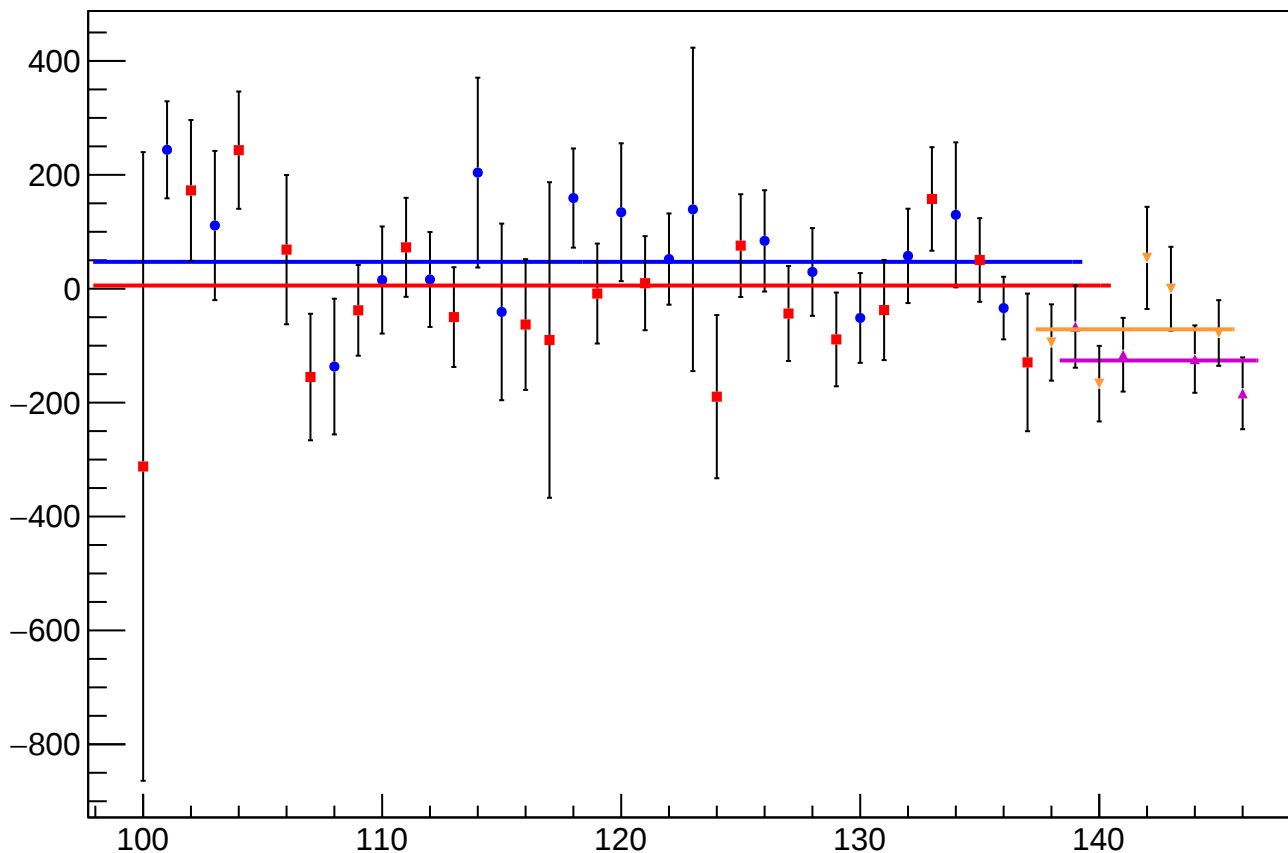
Left In: 892.435+/-0.356 χ^2/NDF : 95635.1/3

1040.473+/-0.241 χ^2/NDF : 1229297.3/21

1034.637+/-0.168 χ^2/NDF : 2358087.2/45

1029.149+/-0.233 χ^2/NDF : 1127649.1/23

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -71.274 $\pm$ 30.717 χ^2 /NDF: 5.1/4

Right Out: 5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

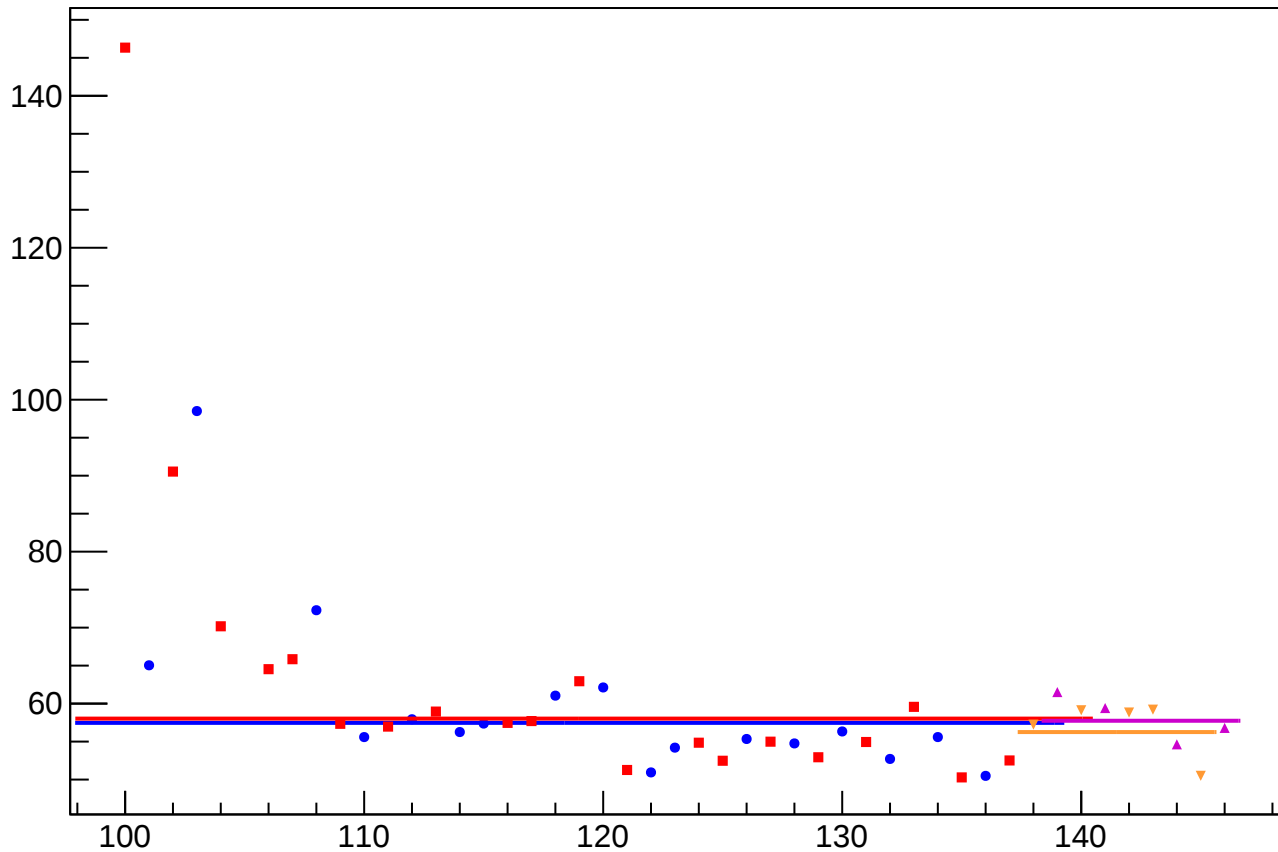
Left In: -125.964 $\pm$ 32.148 χ^2 /NDF: 1.5/3

5.688 $\pm$ 18.185 χ^2 /NDF: 30.9/21

-15.396 $\pm$ 12.860 χ^2 /NDF: 66.9/45

-36.486 $\pm$ 18.188 χ^2 /NDF: 33.3/23

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 56.254+/-0.022 χ^2/NDF : 28986.0/4

Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

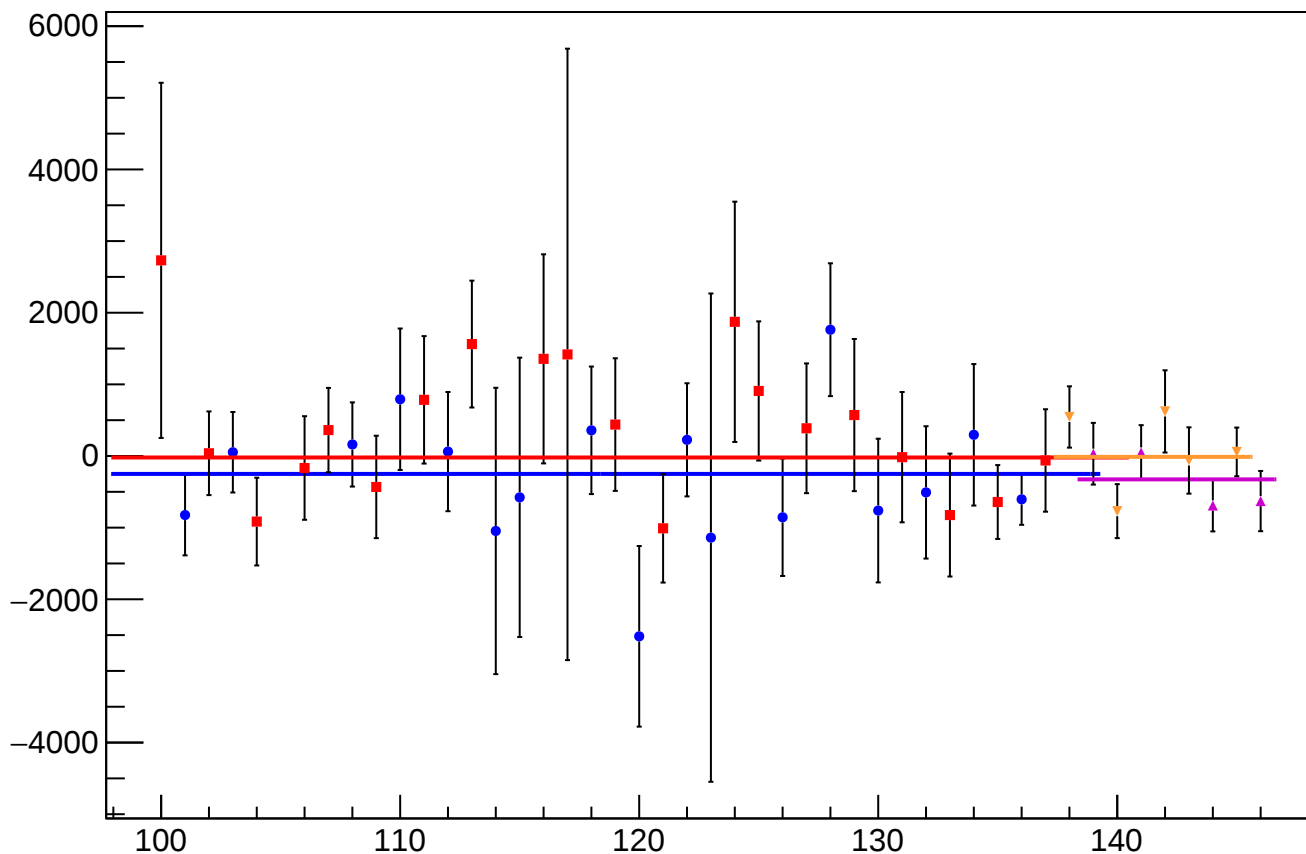
Left In: 57.741+/-0.023 χ^2/NDF : 12749.0/3

57.041+/-0.013 χ^2/NDF : 338164.2/21

57.487+/-0.009 χ^2/NDF : 654224.2/45

57.934+/-0.013 χ^2/NDF : 313645.6/23

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140+/-184.092 χ^2/NDF : 14.3/16

Left Out: -12.169+/-186.110 χ^2/NDF : 7.0/4

Right Out: -20.701+/-181.669 χ^2/NDF : 16.2/19

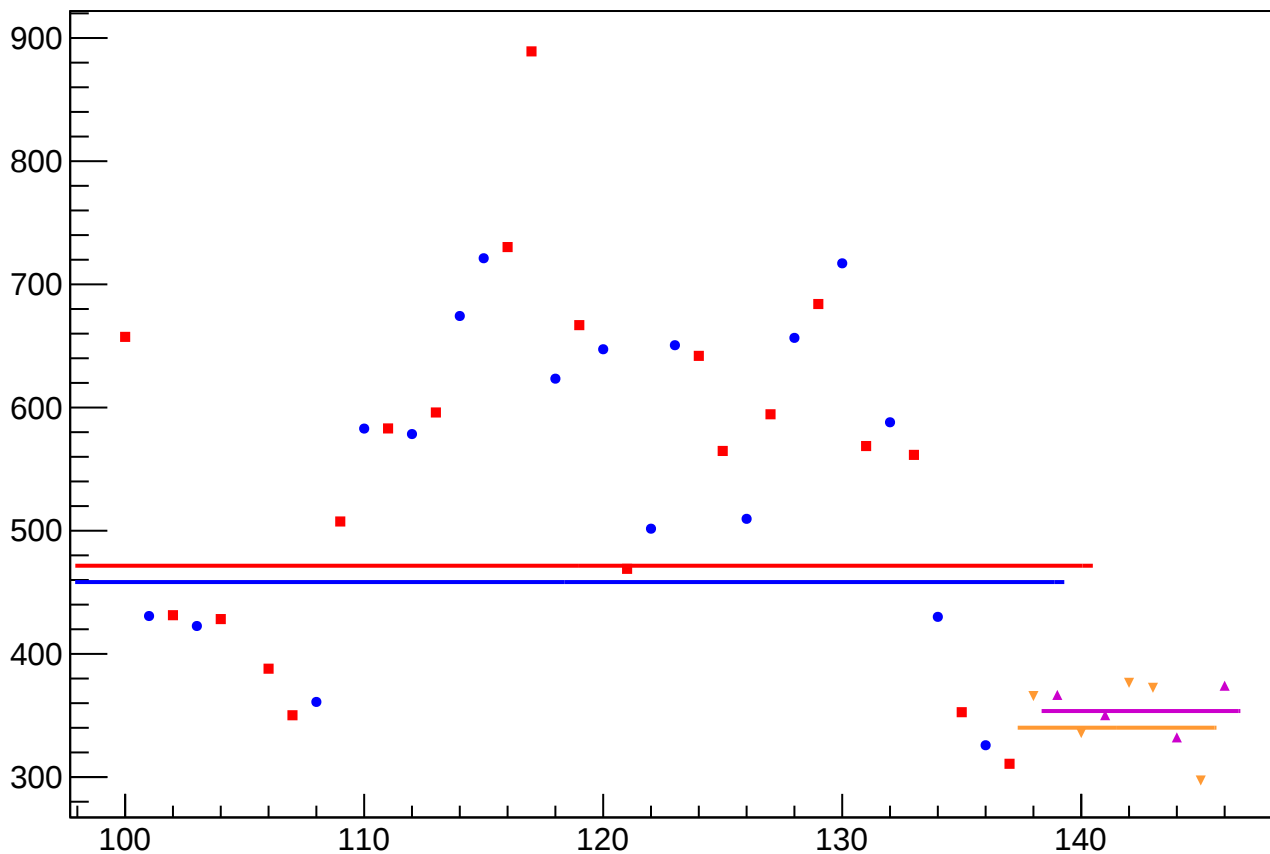
Left In: -326.178+/-197.755 χ^2/NDF : 3.2/3

-132.452+/-130.880 χ^2/NDF : 22.1/21

-146.174+/-93.557 χ^2/NDF : 42.8/45

-160.512+/-133.786 χ^2/NDF : 20.7/23

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324 $\pm$ 0.130 χ^2/NDF : 877201.7/16

Left Out: 340.095 $\pm$ 0.132 χ^2/NDF : 57158.7/4

Right Out: 471.585 $\pm$ 0.128 χ^2/NDF : 797816.0/19

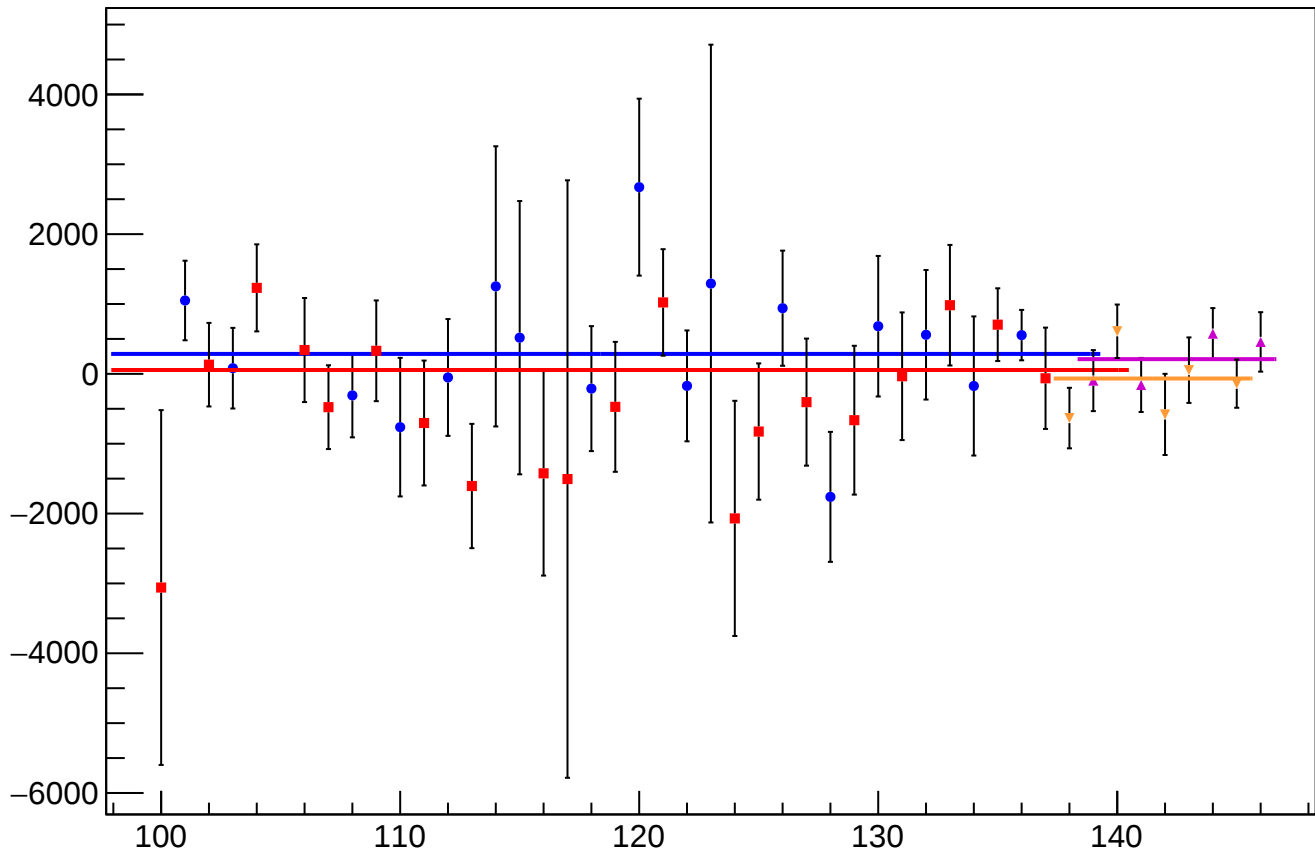
Left In: 353.619 $\pm$ 0.140 χ^2/NDF : 13783.3/3

399.854 $\pm$ 0.093 χ^2/NDF : 1342322.8/21

408.529 $\pm$ 0.066 χ^2/NDF : 2557856.0/45

417.594 $\pm$ 0.095 χ^2/NDF : 1197563.9/23

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: -66.706 $\pm$ 188.681 χ^2 /NDF: 5.7/4

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

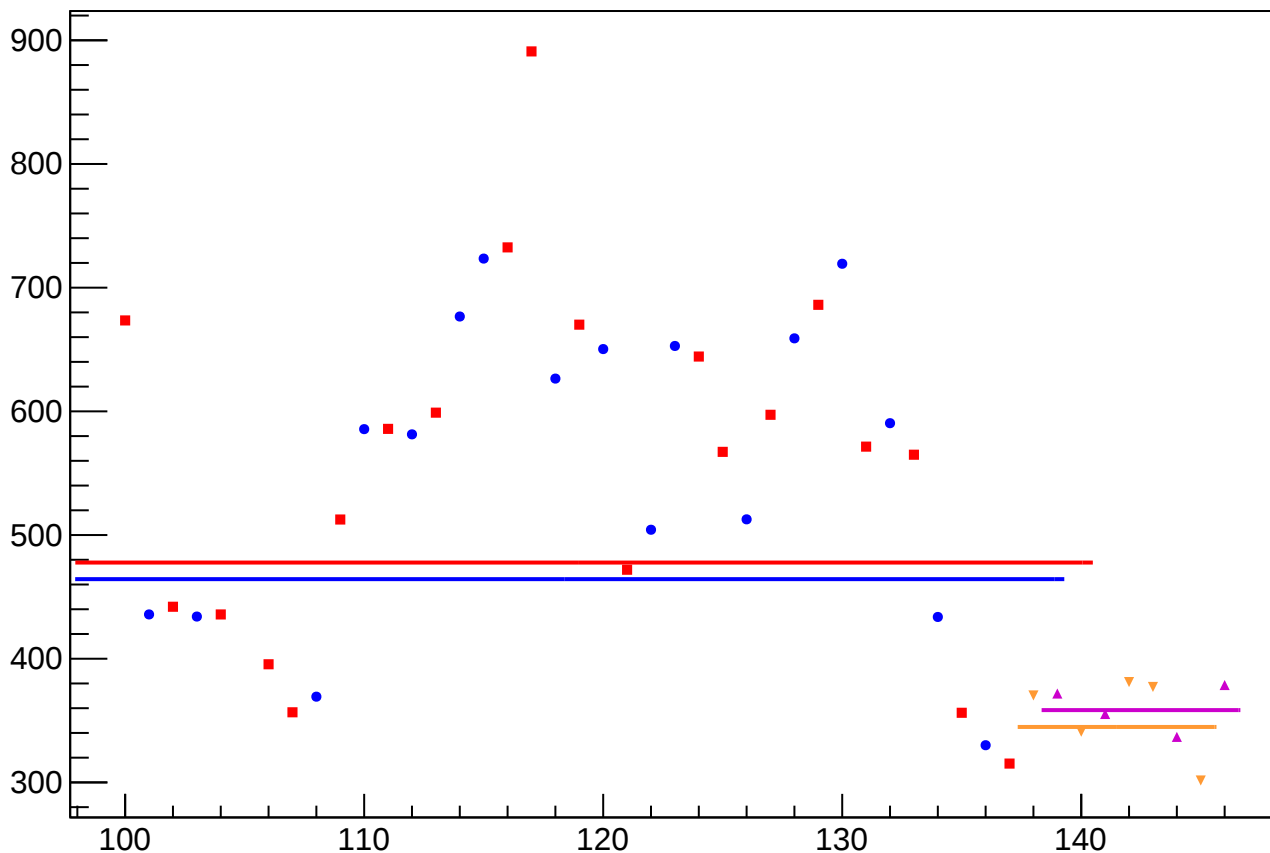
Left In: 210.642 $\pm$ 200.430 χ^2 /NDF: 2.7/3

111.593 $\pm$ 132.554 χ^2 /NDF: 22.7/21

118.735 $\pm$ 94.756 χ^2 /NDF: 45.1/45

126.200 $\pm$ 135.506 χ^2 /NDF: 22.4/23

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 344.837+/-0.133 χ^2/NDF : 55991.0/4

Right Out: 477.754+/-0.130 χ^2/NDF : 768041.0/19

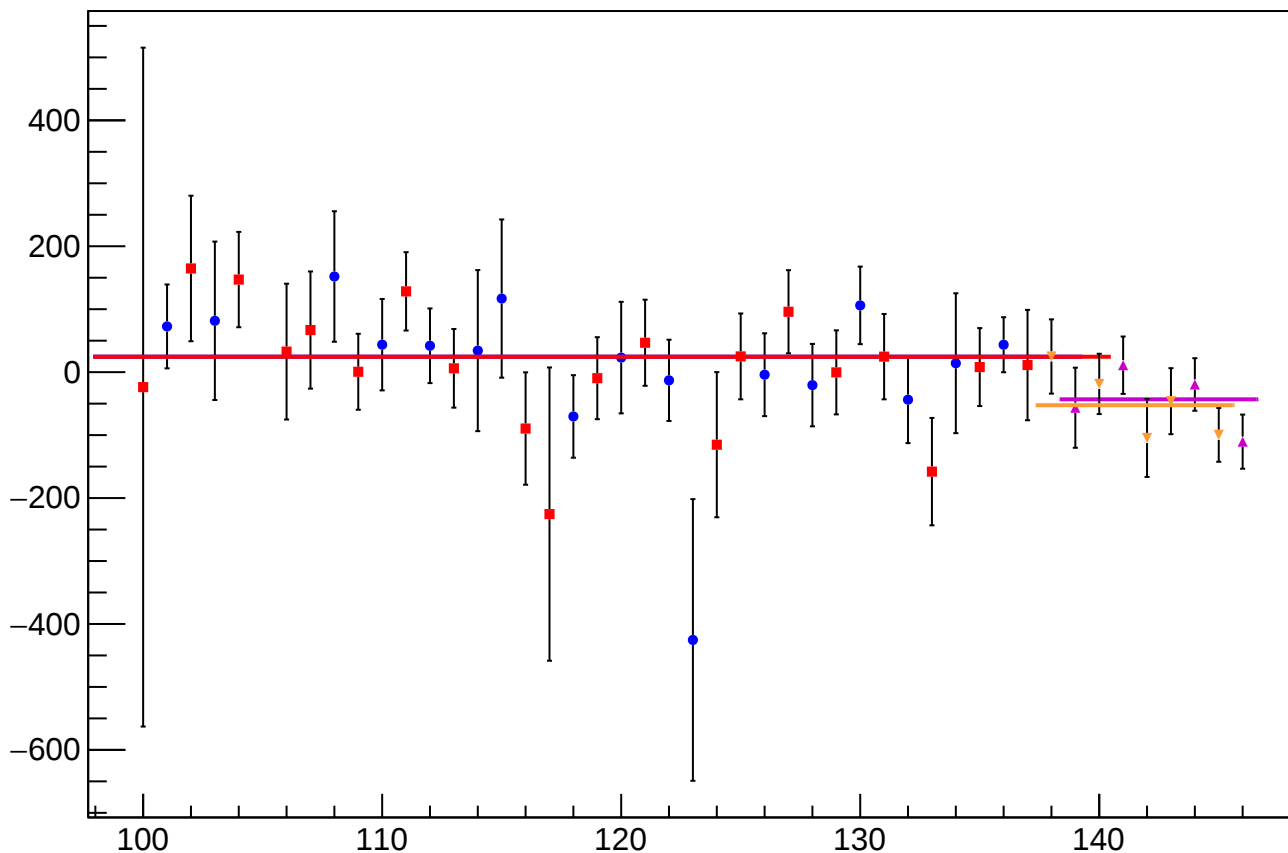
Left In: 358.459+/-0.142 χ^2/NDF : 13540.5/3

405.360+/-0.094 χ^2/NDF : 1308219.5/21

414.097+/-0.067 χ^2/NDF : 2492242.1/45

423.227+/-0.096 χ^2/NDF : 1166254.0/23

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -52.504 $\pm$ 22.977 χ^2 /NDF: 4.2/4

Right Out: 24.491 $\pm$ 17.338 χ^2 /NDF: 18.0/19

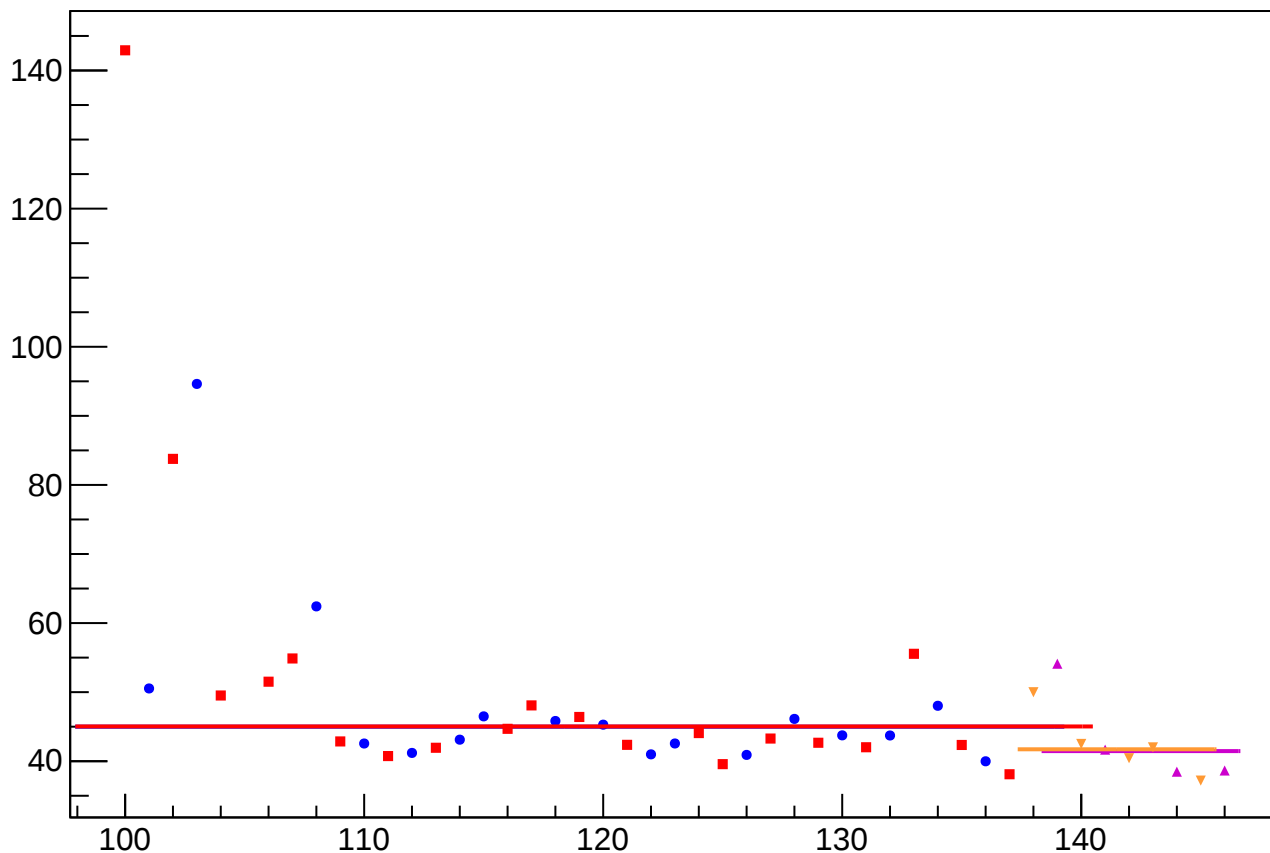
Left In: -43.160 $\pm$ 23.293 χ^2 /NDF: 4.2/3

-4.408 $\pm$ 14.091 χ^2 /NDF: 24.2/21

-1.987 $\pm$ 9.898 χ^2 /NDF: 51.8/45

0.372 $\pm$ 13.908 χ^2 /NDF: 27.6/23

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001 $\pm$ 0.013 χ^2/NDF : 438352.8/16

Left Out: 41.727 $\pm$ 0.016 χ^2/NDF : 63111.0/4

Right Out: 45.034 $\pm$ 0.012 χ^2/NDF : 415853.3/19

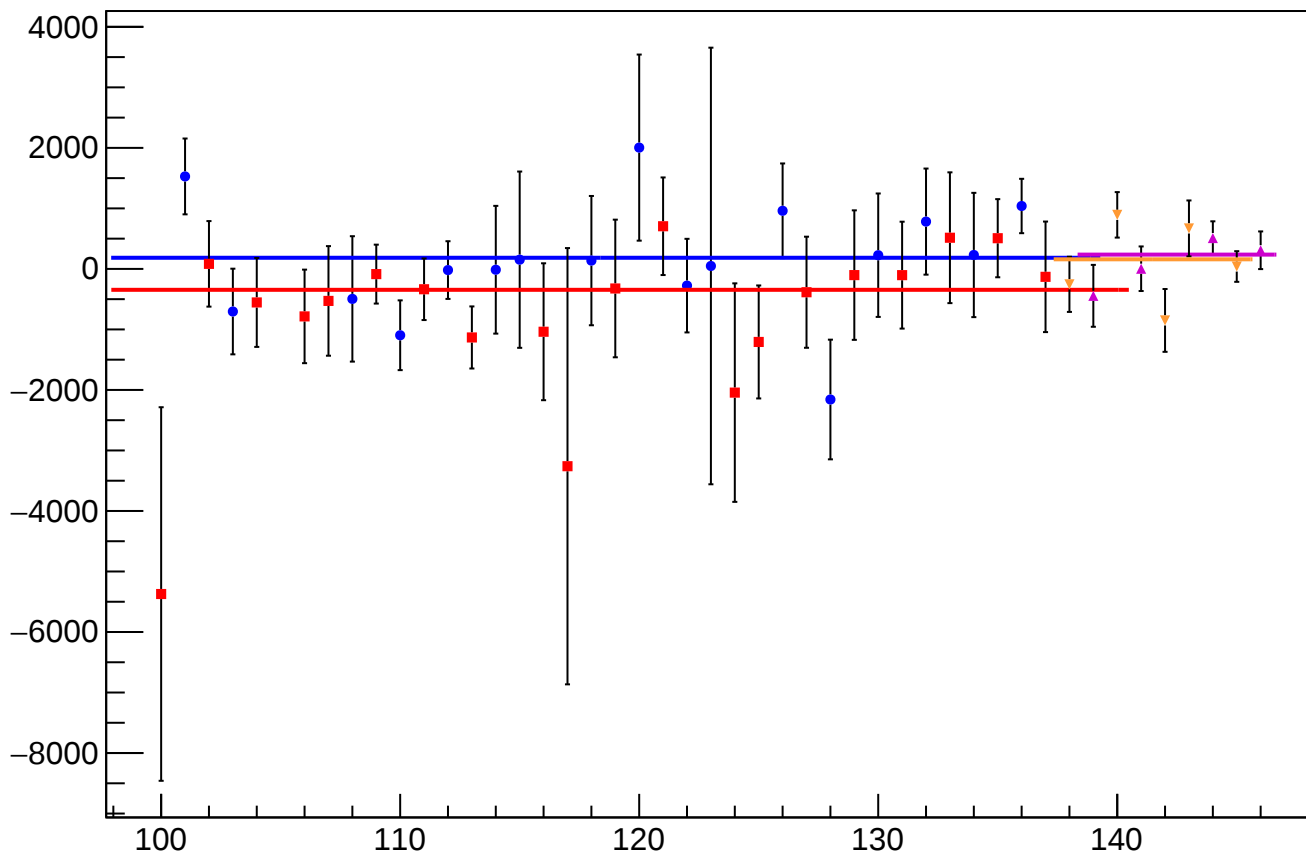
Left In: 41.466 $\pm$ 0.016 χ^2/NDF : 97874.0/3

43.770 $\pm$ 0.010 χ^2/NDF : 526798.7/21

43.766 $\pm$ 0.007 χ^2/NDF : 1070727.5/45

43.762 $\pm$ 0.010 χ^2/NDF : 543928.5/23

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.184 $\pm$ 188.558 χ^2 /NDF: 24.2/16

Left Out: 158.507 $\pm$ 166.941 χ^2 /NDF: 9.9/4

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

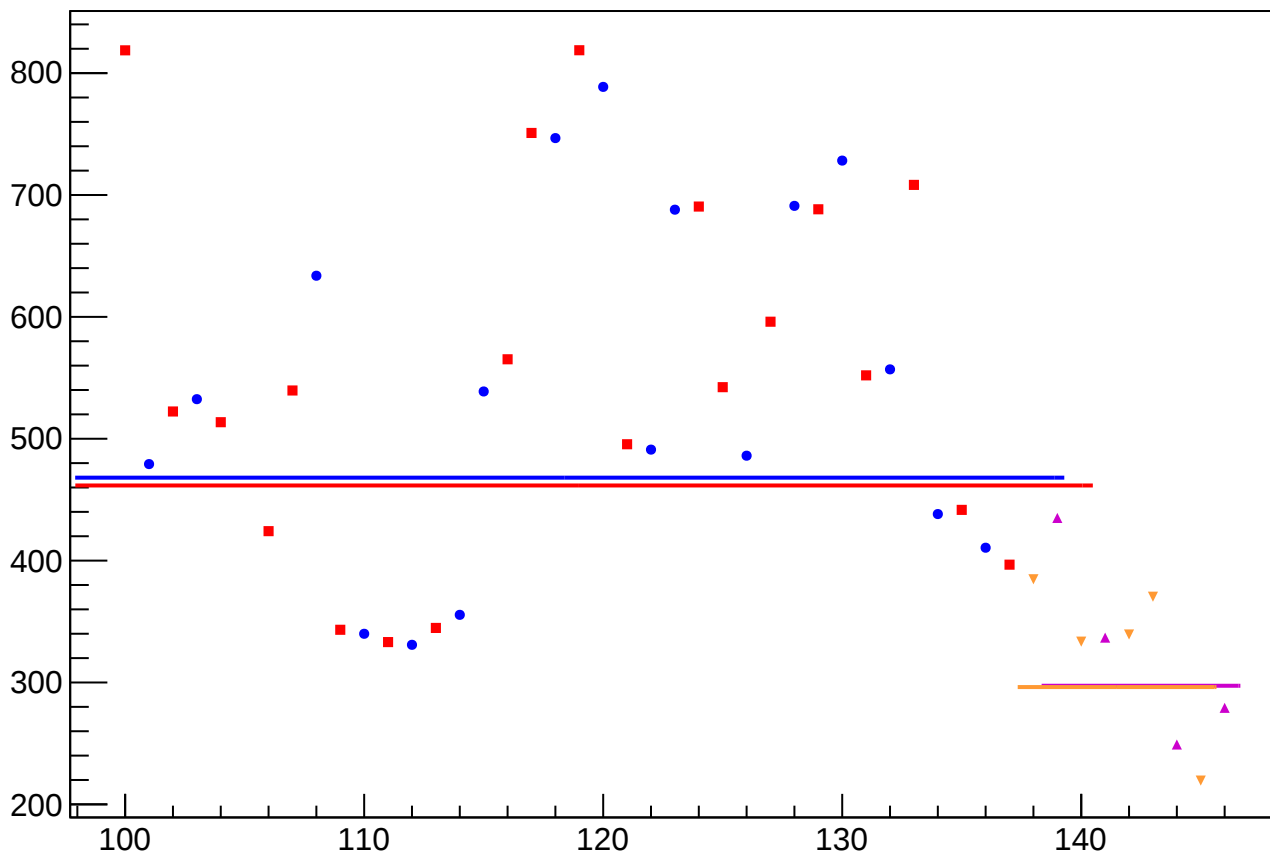
Left In: 236.271 $\pm$ 169.997 χ^2 /NDF: 3.2/3

169.790 $\pm$ 124.992 χ^2 /NDF: 34.1/21

63.794 $\pm$ 87.785 χ^2 /NDF: 57.4/45

-39.381 $\pm$ 123.318 χ^2 /NDF: 21.9/23

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 296.241 $\pm$ 0.118 χ^2 /NDF: 343921.5/4

Right Out: 461.656 $\pm$ 0.127 χ^2 /NDF: 967939.5/19

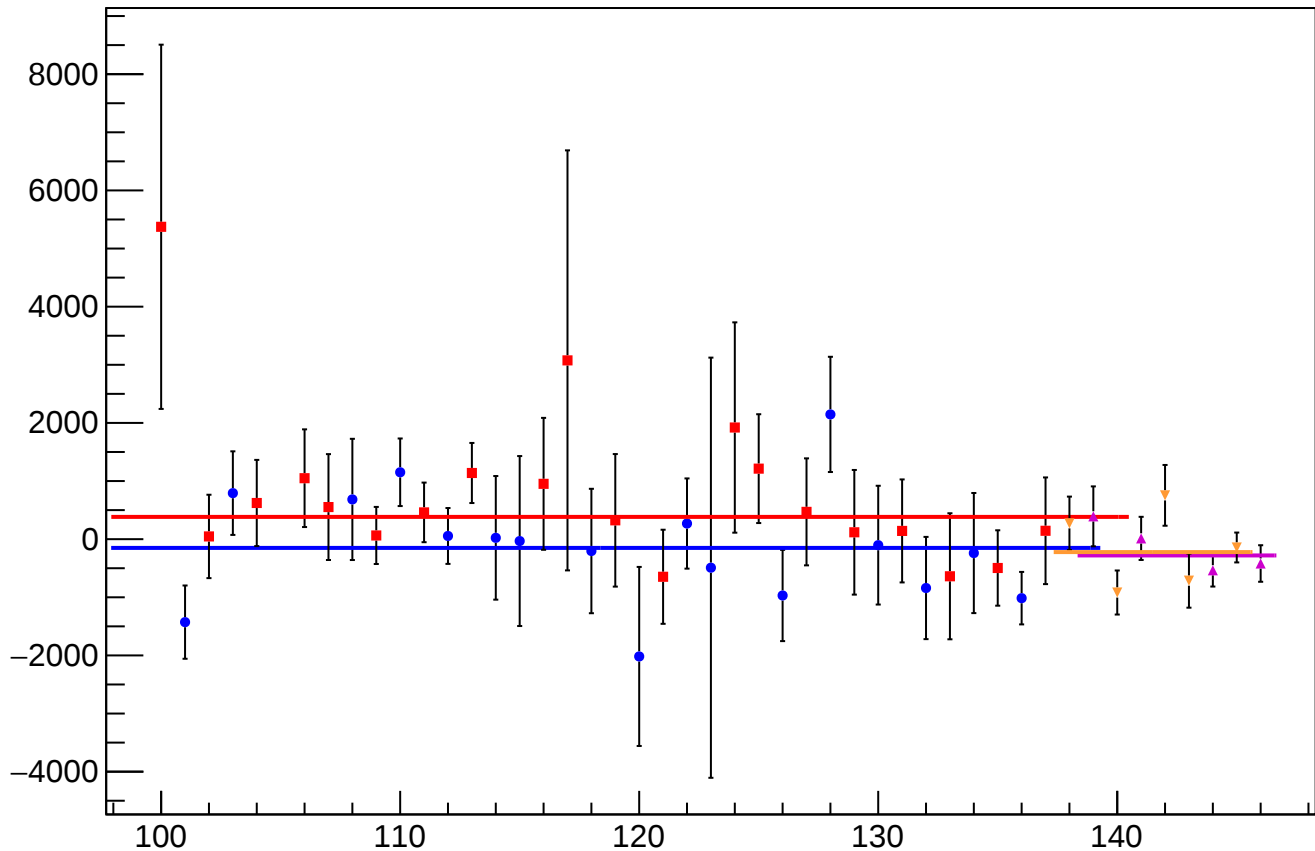
Left In: 297.318 $\pm$ 0.120 χ^2 /NDF: 235584.3/3

371.746 $\pm$ 0.088 χ^2 /NDF: 2155308.1/21

373.485 $\pm$ 0.062 χ^2 /NDF: 4245109.2/45

375.177 $\pm$ 0.087 χ^2 /NDF: 2089037.3/23

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -222.251+/-168.711 χ^2/NDF : 9.2/4

Right Out: 383.331+/-181.030 χ^2/NDF : 13.0/19

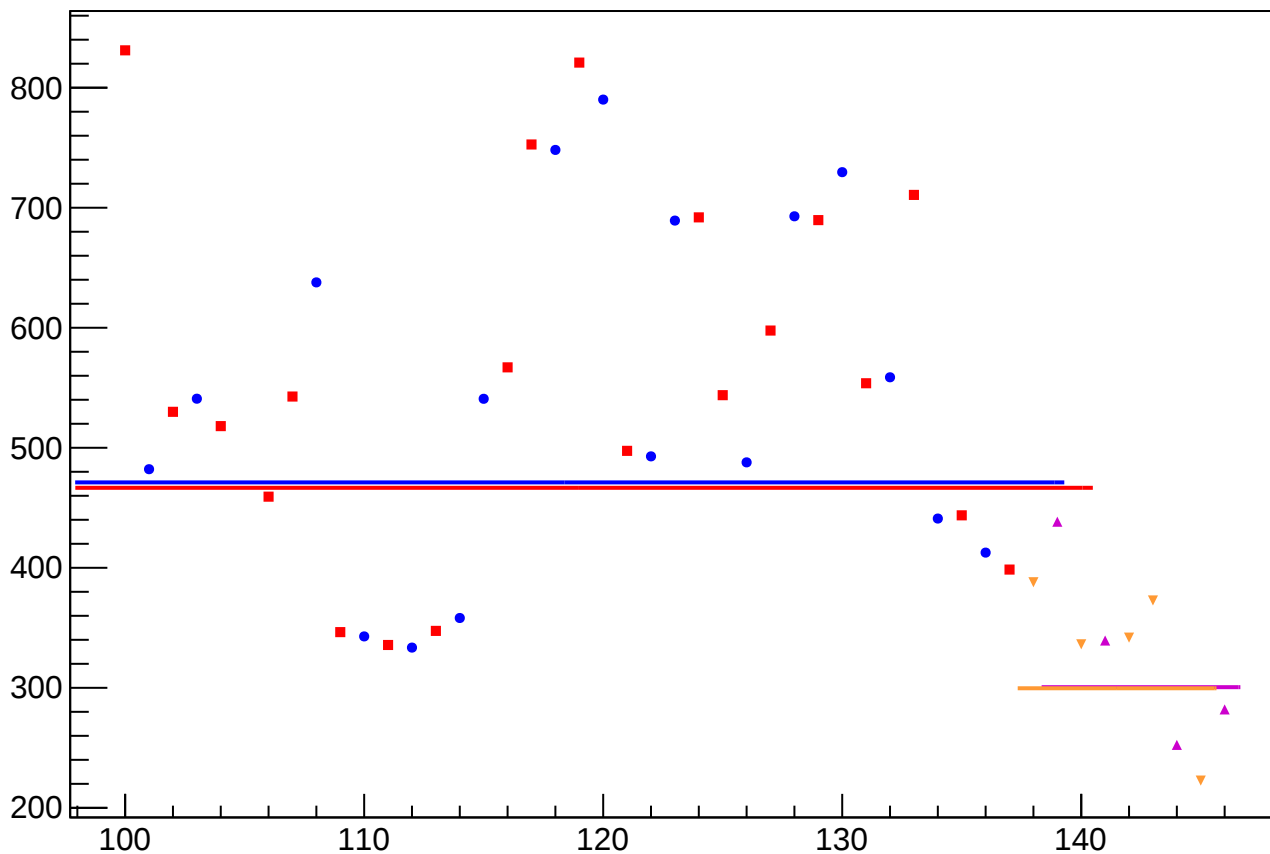
Left In: -279.942+/-171.737 χ^2/NDF : 3.4/3

-190.482+/-126.075 χ^2/NDF : 33.5/21

-76.795+/-88.620 χ^2/NDF : 58.5/45

34.234+/-124.592 χ^2/NDF : 23.4/23

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156 $\pm$ 0.134 χ^2/NDF : 871832.5/16

Left Out: 299.627 $\pm$ 0.119 χ^2/NDF : 334357.5/4

Right Out: 466.655 $\pm$ 0.128 χ^2/NDF : 953088.6/19

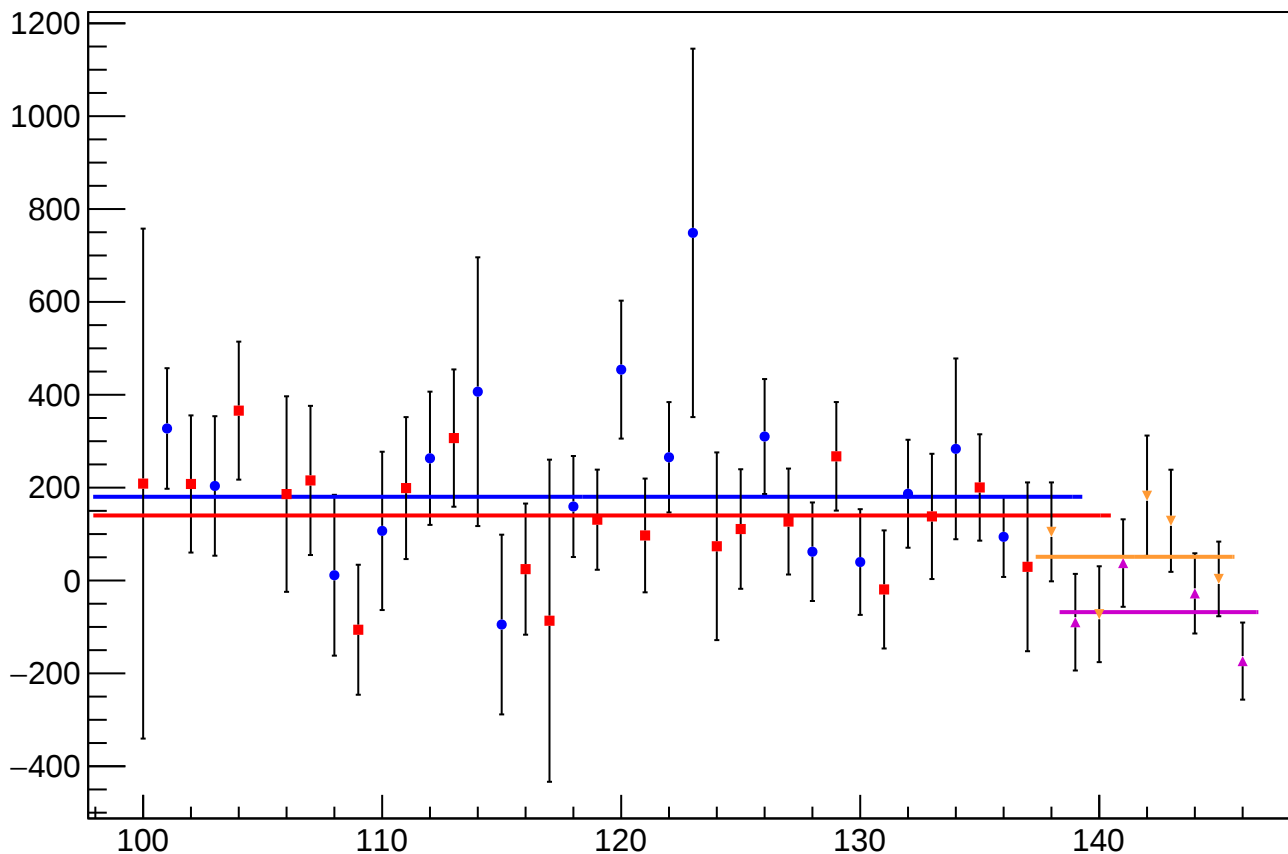
Left In: 300.544 $\pm$ 0.121 χ^2/NDF : 230984.0/3

375.368 $\pm$ 0.089 χ^2/NDF : 2119071.3/21

377.320 $\pm$ 0.063 χ^2/NDF : 4190392.2/45

379.227 $\pm$ 0.088 χ^2/NDF : 2070372.9/23

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 ± 32.769 χ^2/NDF : 16.6/16

Left Out: 51.060 ± 45.693 χ^2/NDF : 3.6/4

Right Out: 140.070 ± 32.198 χ^2/NDF : 12.1/19

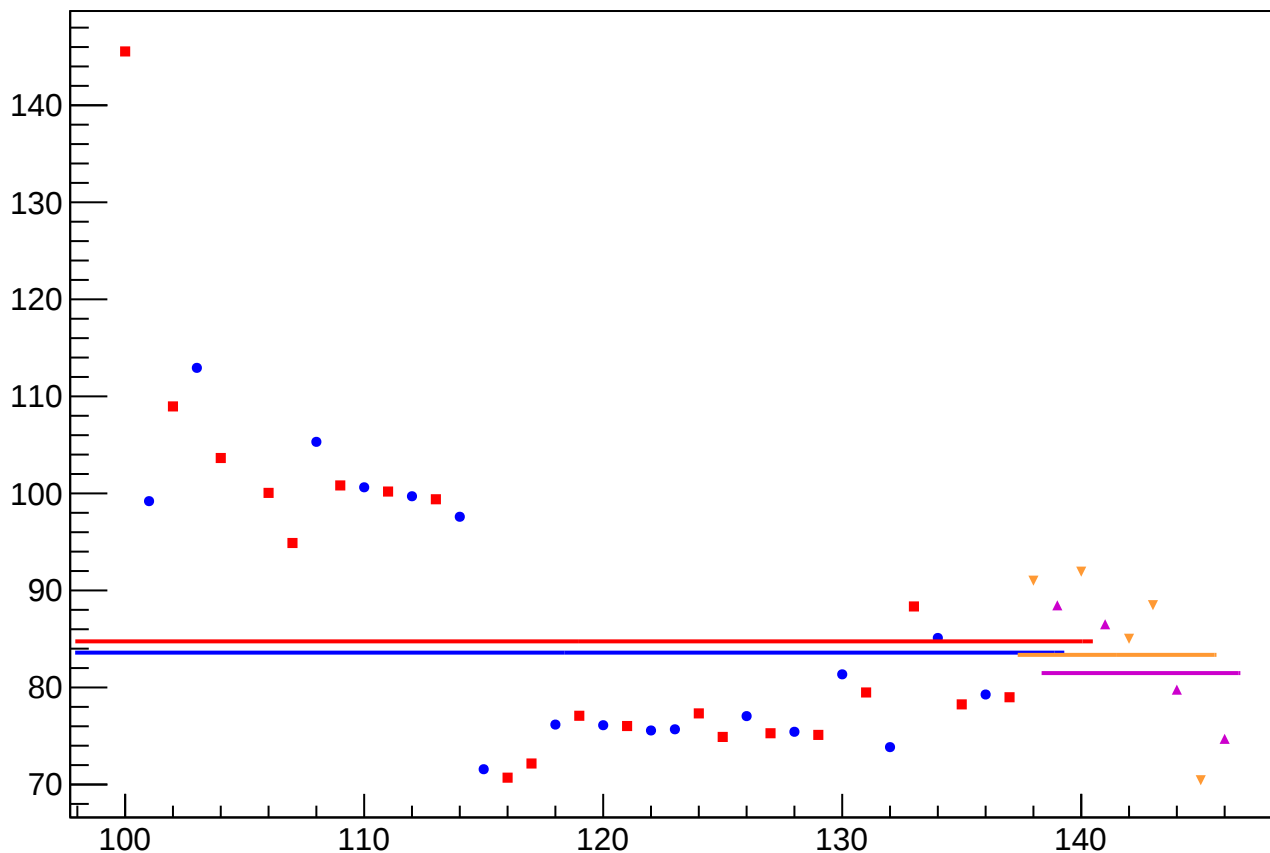
Left In: -68.088 ± 45.447 χ^2/NDF : 3.1/3

136.422 ± 26.629 χ^2/NDF : 25.4/21

103.020 ± 18.702 χ^2/NDF : 57.7/45

70.505 ± 26.273 χ^2/NDF : 29.2/23

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2/NDF : 255921.7/16

Left Out: 83.361 $\pm$ 0.032 χ^2/NDF : 80447.8/4

Right Out: 84.752 $\pm$ 0.023 χ^2/NDF : 293262.6/19

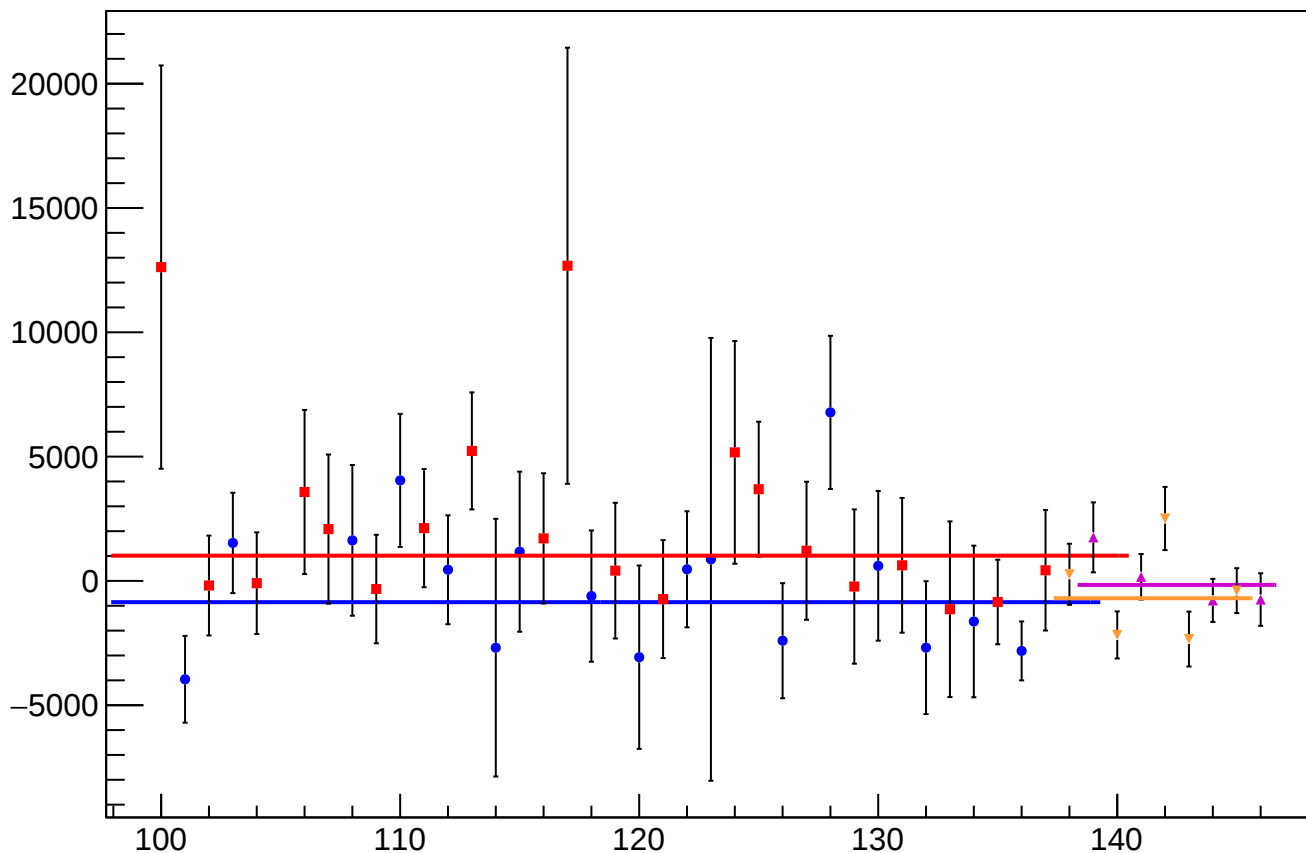
Left In: 81.483 $\pm$ 0.032 χ^2/NDF : 28814.7/3

83.513 $\pm$ 0.019 χ^2/NDF : 336402.8/21

83.587 $\pm$ 0.013 χ^2/NDF : 665398.5/45

83.659 $\pm$ 0.019 χ^2/NDF : 328964.9/23

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -696.949+/-474.289 χ^2/NDF : 11.7/4

Right Out: 1015.523+/-587.747 χ^2/NDF : 13.3/19

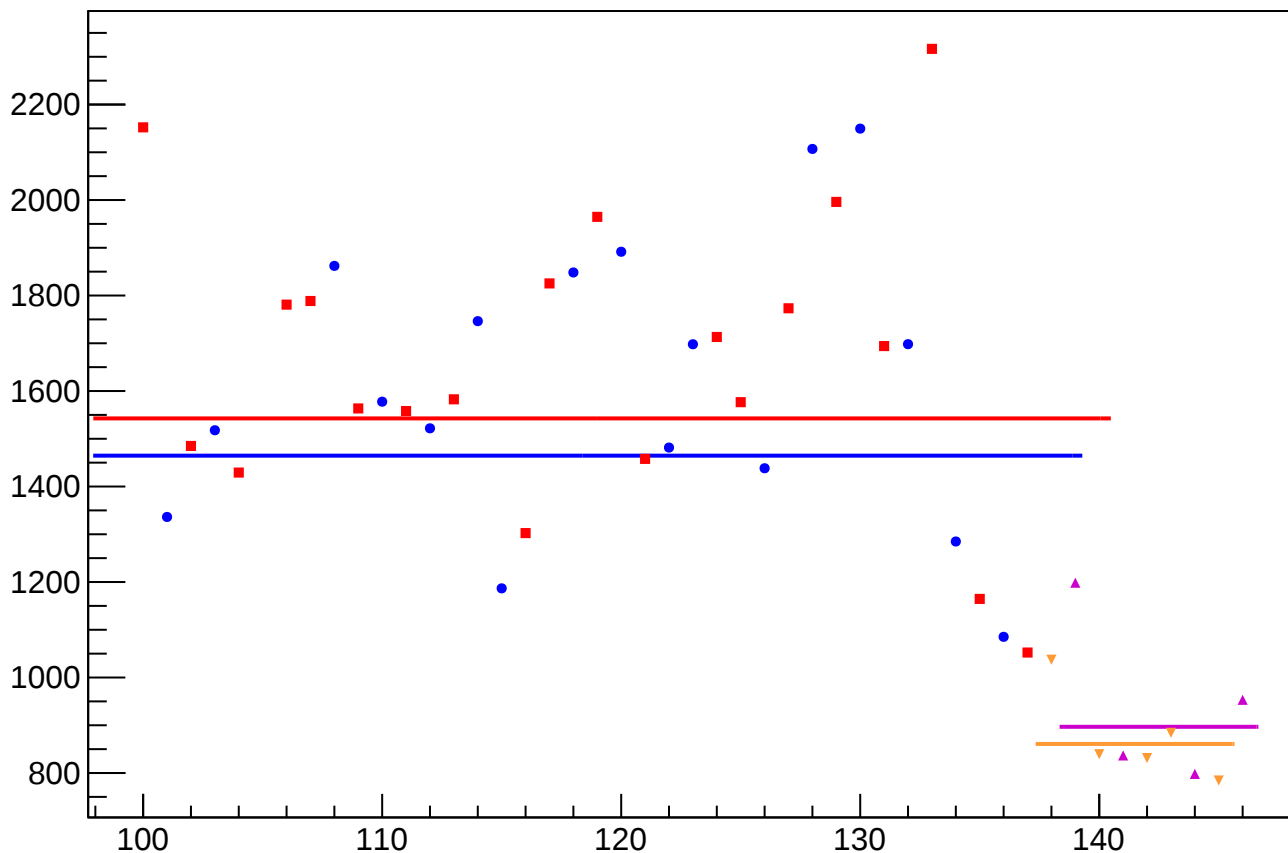
Left In: -161.460+/-504.759 χ^2/NDF : 2.8/3

-759.978+/-367.990 χ^2/NDF : 32.1/21

-232.756+/-265.332 χ^2/NDF : 54.7/45

338.139+/-382.927 χ^2/NDF : 18.4/23

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 860.888 $\pm$ 0.335 χ^2 /NDF: 58644.1/4

Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

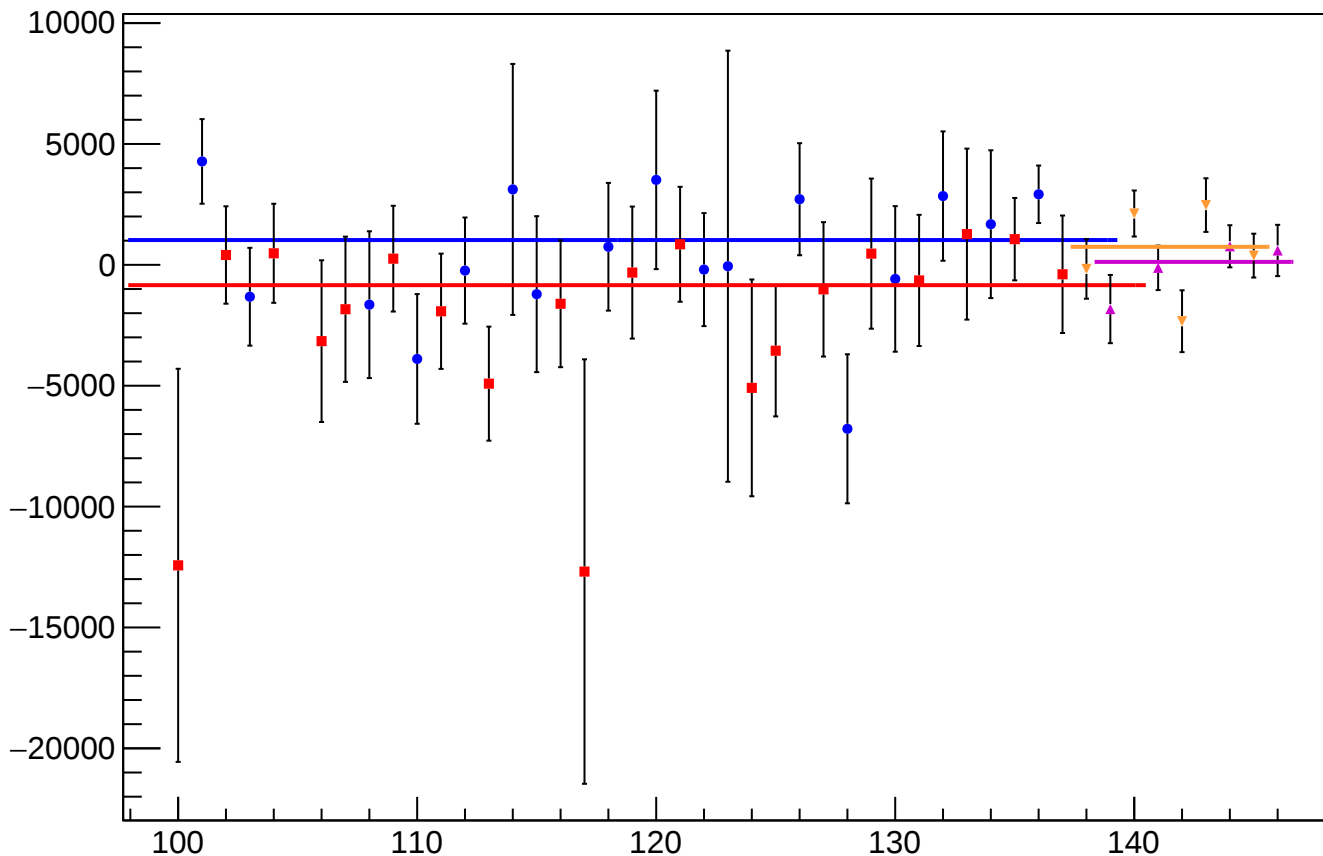
Left In: 896.796 $\pm$ 0.357 χ^2 /NDF: 132147.7/3

1101.190 $\pm$ 0.260 χ^2 /NDF: 1909407.5/21

1134.683 $\pm$ 0.188 χ^2 /NDF: 3921811.4/45

1170.950 $\pm$ 0.271 χ^2 /NDF: 1977895.8/23

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 744.648 $\pm$ 476.654 χ^2 /NDF: 11.0/4

Right Out: -840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

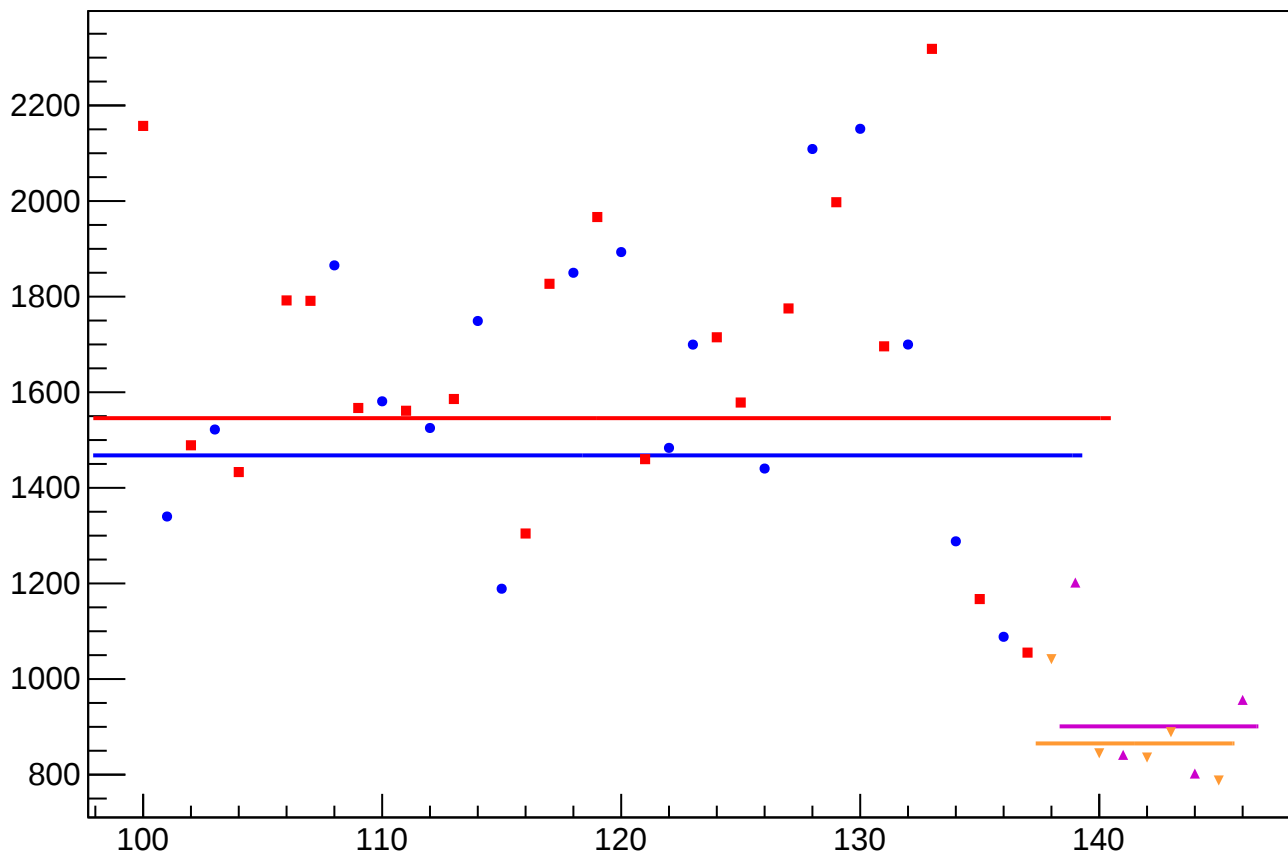
Left In: 122.490 $\pm$ 507.027 χ^2 /NDF: 2.7/3

856.834 $\pm$ 369.397 χ^2 /NDF: 32.1/21

307.315 $\pm$ 266.309 χ^2 /NDF: 54.0/45

-287.373 $\pm$ 384.279 χ^2 /NDF: 17.3/23

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905 $\pm$ 0.413 χ^2/NDF : 557458.9/16

Left Out: 865.291 $\pm$ 0.337 χ^2/NDF : 58412.6/4

Right Out: 1545.785 $\pm$ 0.417 χ^2/NDF : 453865.6/19

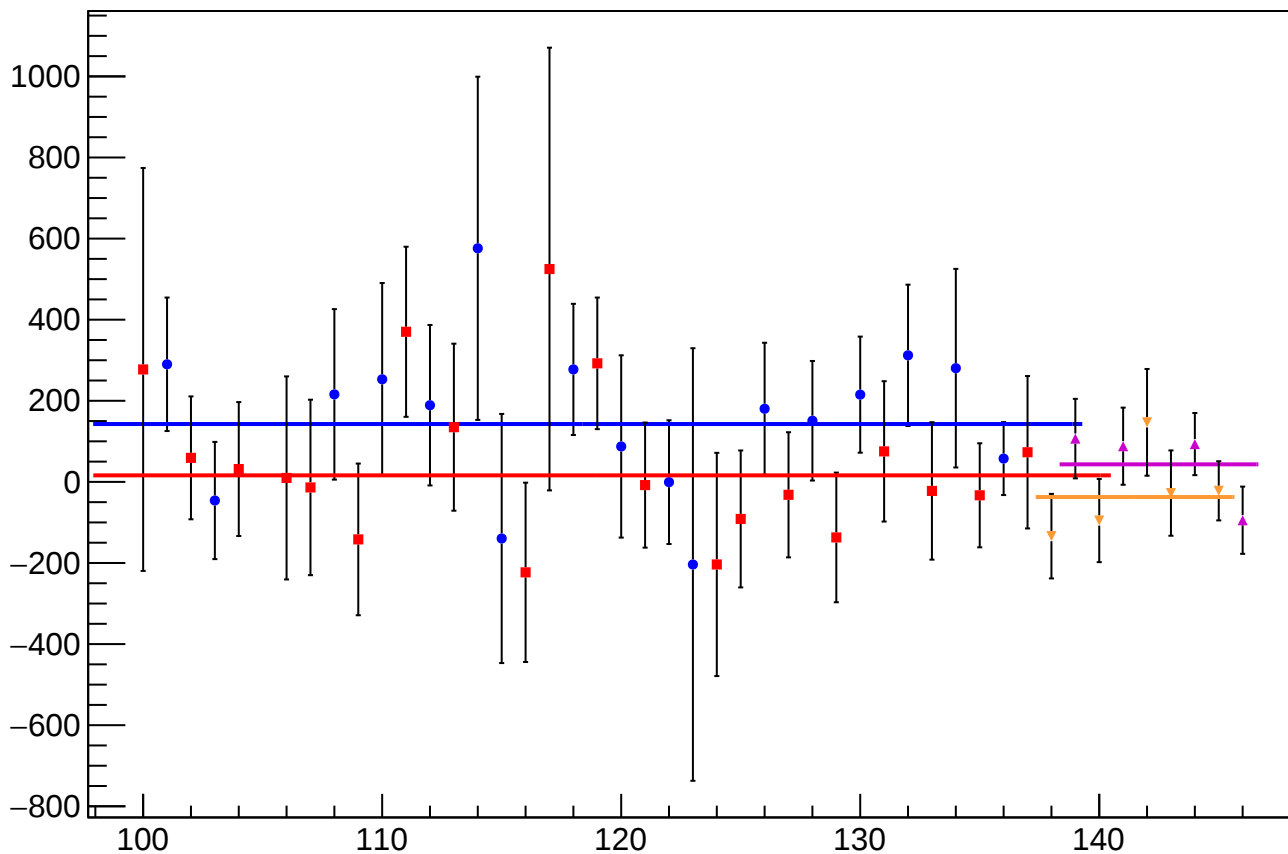
Left In: 900.994 $\pm$ 0.359 χ^2/NDF : 130408.5/3

1105.981 $\pm$ 0.261 χ^2/NDF : 1892659.3/21

1139.321 $\pm$ 0.188 χ^2/NDF : 3887383.9/45

1175.402 $\pm$ 0.272 χ^2/NDF : 1960800.4/23

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -37.326 $\pm$ 43.737 χ^2 /NDF: 3.2/4

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

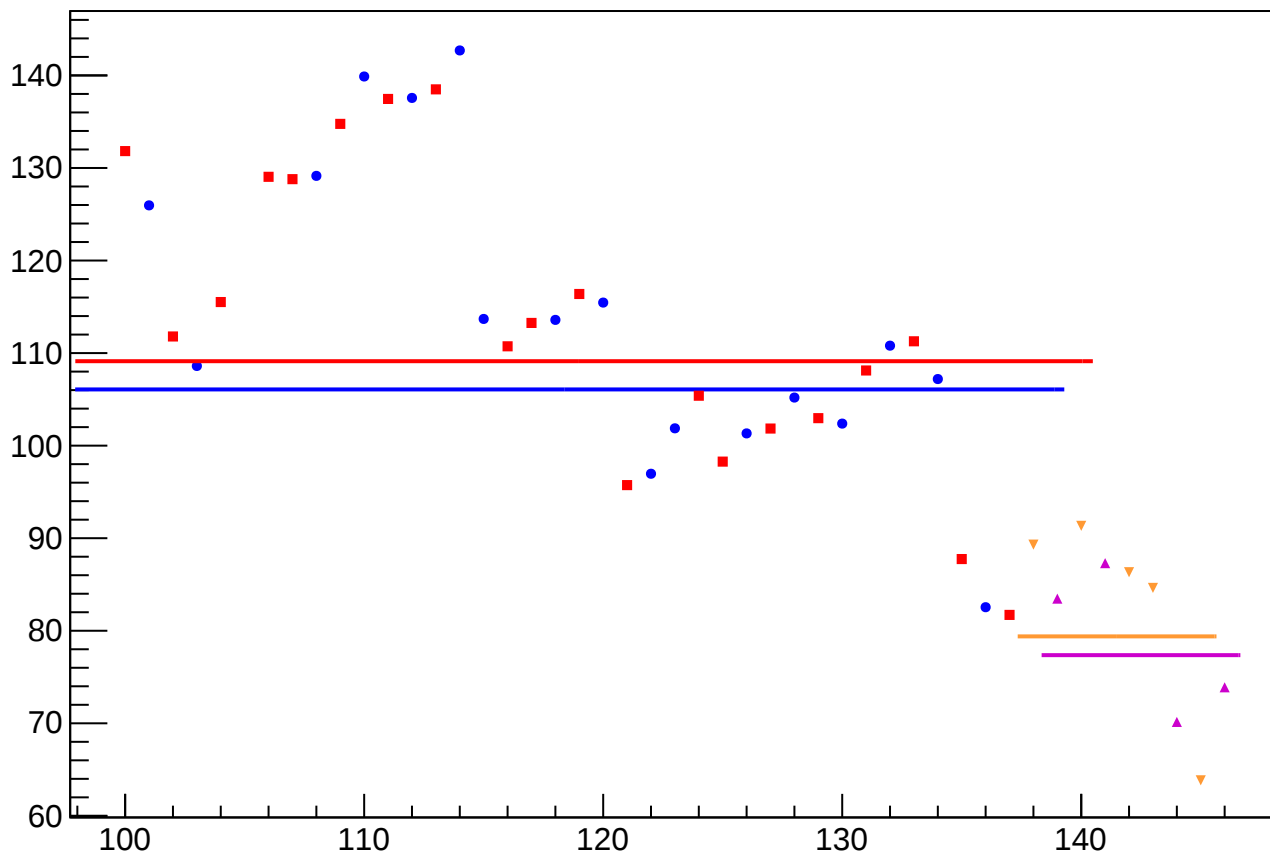
Left In: 43.281 $\pm$ 43.419 χ^2 /NDF: 3.8/3

57.128 $\pm$ 30.152 χ^2 /NDF: 21.4/21

42.956 $\pm$ 21.237 χ^2 /NDF: 37.6/45

29.005 $\pm$ 29.916 χ^2 /NDF: 15.7/23

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 79.391 $\pm$ 0.031 χ^2 /NDF:146499.5/4

Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

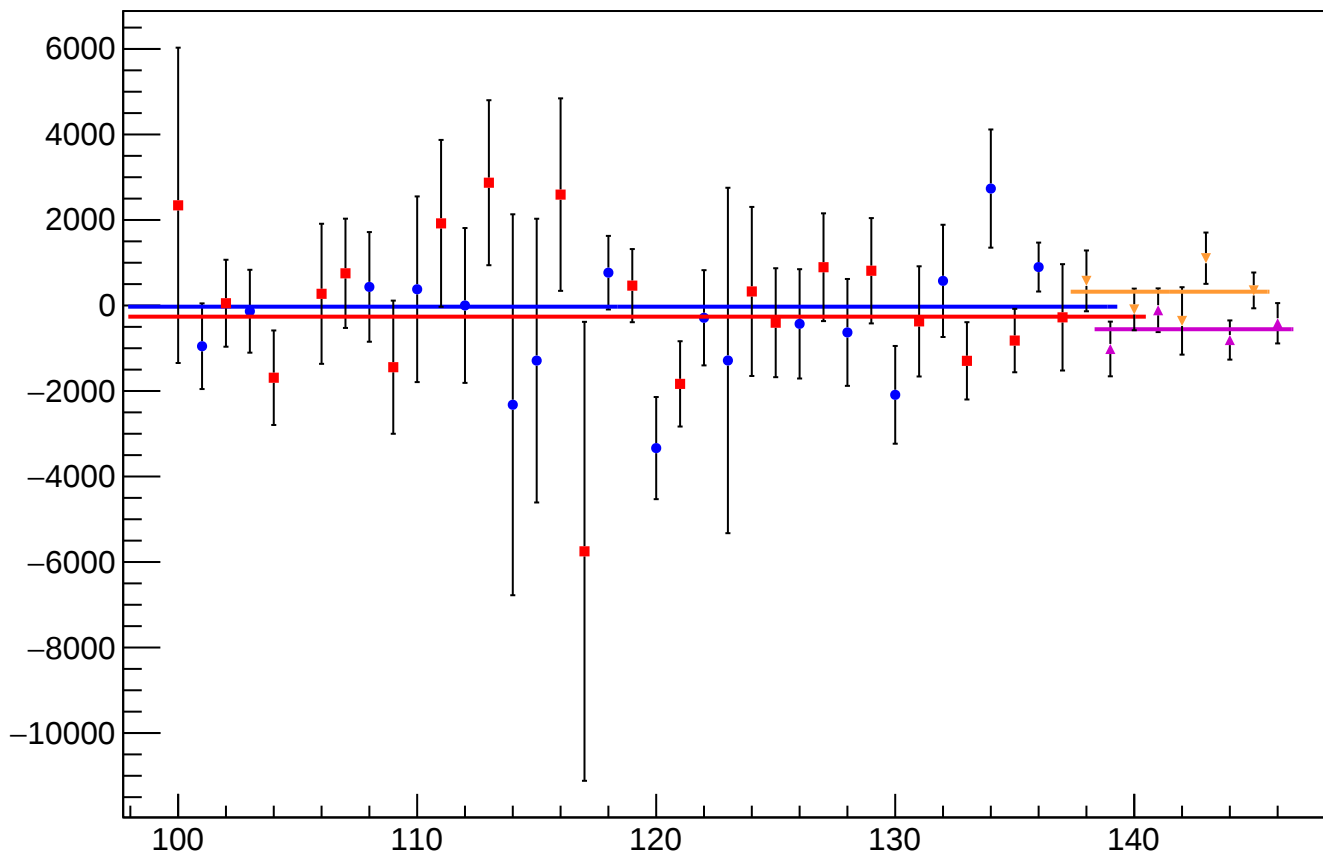
Left In: 77.364 $\pm$ 0.031 χ^2 /NDF:50847.4/3

93.392 $\pm$ 0.021 χ^2 /NDF: 854998.6/21

93.722 $\pm$ 0.015 χ^2 /NDF: 1753939.3/45

94.047 $\pm$ 0.021 χ^2 /NDF: 898465.6/23

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 322.558 ± 247.739 χ^2/NDF : 3.3/4

Right Out: -261.265 ± 279.073 χ^2/NDF : 16.9/19

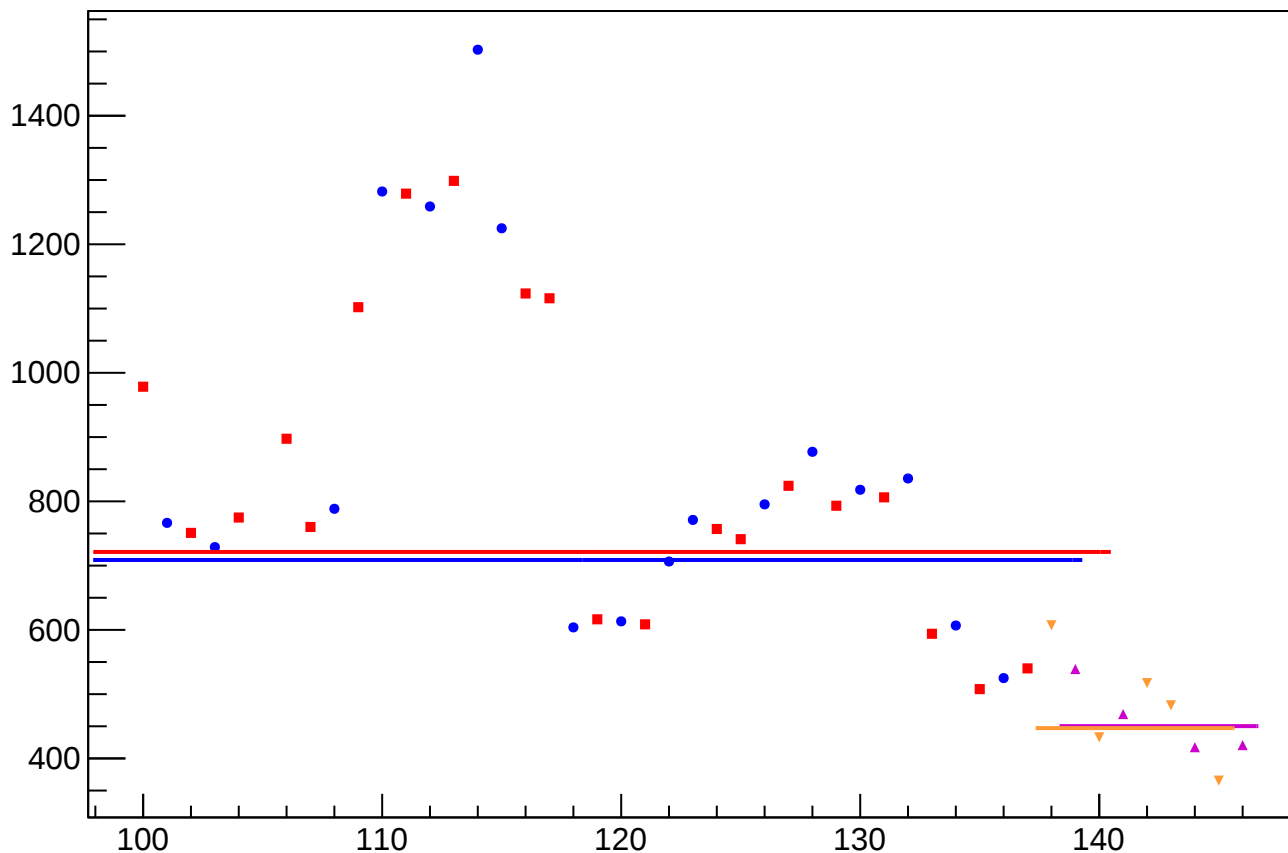
Left In: -555.404 ± 253.771 χ^2/NDF : 1.7/3

170.931 ± 186.617 χ^2/NDF : 24.7/21

-123.870 ± 132.358 χ^2/NDF : 48.9/45

-422.270 ± 187.753 χ^2/NDF : 19.2/23

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 447.167 $\pm$ 0.175 χ^2 /NDF: 201870.9/4

Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

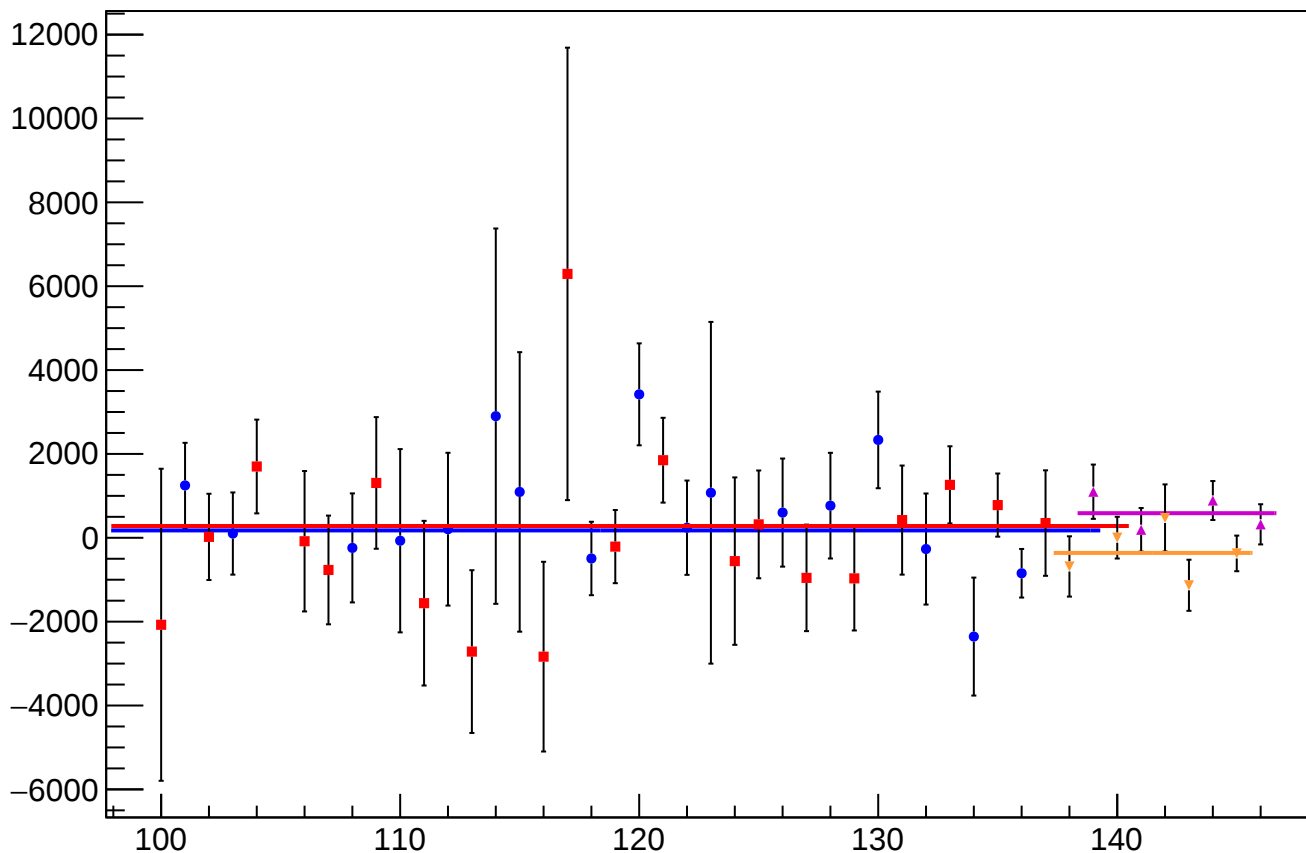
Left In: 450.264 $\pm$ 0.179 χ^2 /NDF: 59372.4/3

560.335 $\pm$ 0.132 χ^2 /NDF: 1960189.6/21

566.593 $\pm$ 0.094 χ^2 /NDF: 3967256.0/45

572.928 $\pm$ 0.133 χ^2 /NDF: 2002540.4/23

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -360.427 $\pm$ 251.839 χ^2 /NDF:3.4/4

Right Out: 281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

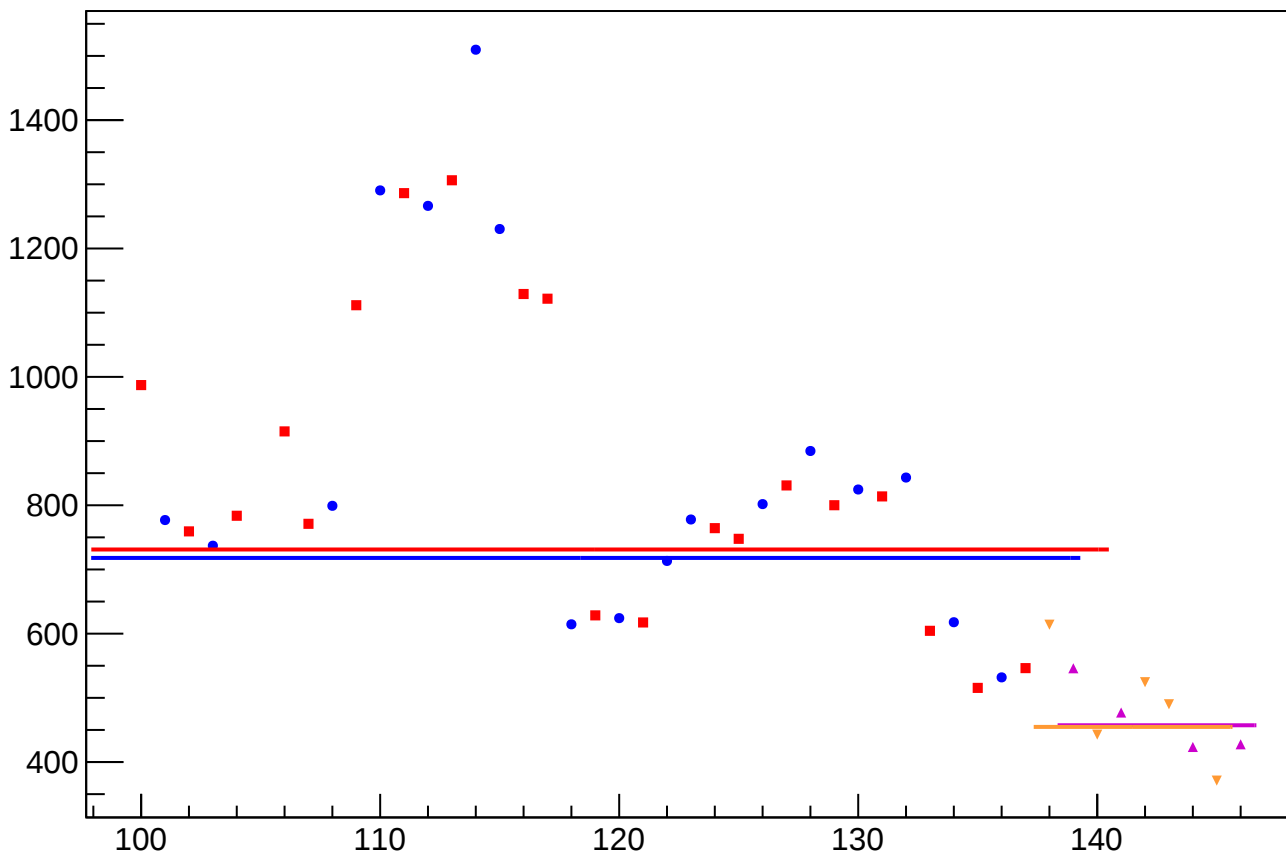
Left In: 586.565 $\pm$ 257.663 χ^2 /NDF:1.9/3

-127.333 $\pm$ 189.357 χ^2 /NDF: 25.1/21

158.702 $\pm$ 134.273 χ^2 /NDF: 48.4/45

447.981 $\pm$ 190.428 χ^2 /NDF: 18.6/23

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973 $\pm$ 0.203 χ^2/NDF : 778580.1/16

Left Out: 454.732 $\pm$ 0.178 χ^2/NDF : 198652.5/4

Right Out: 731.116 $\pm$ 0.200 χ^2/NDF : 892357.6/19

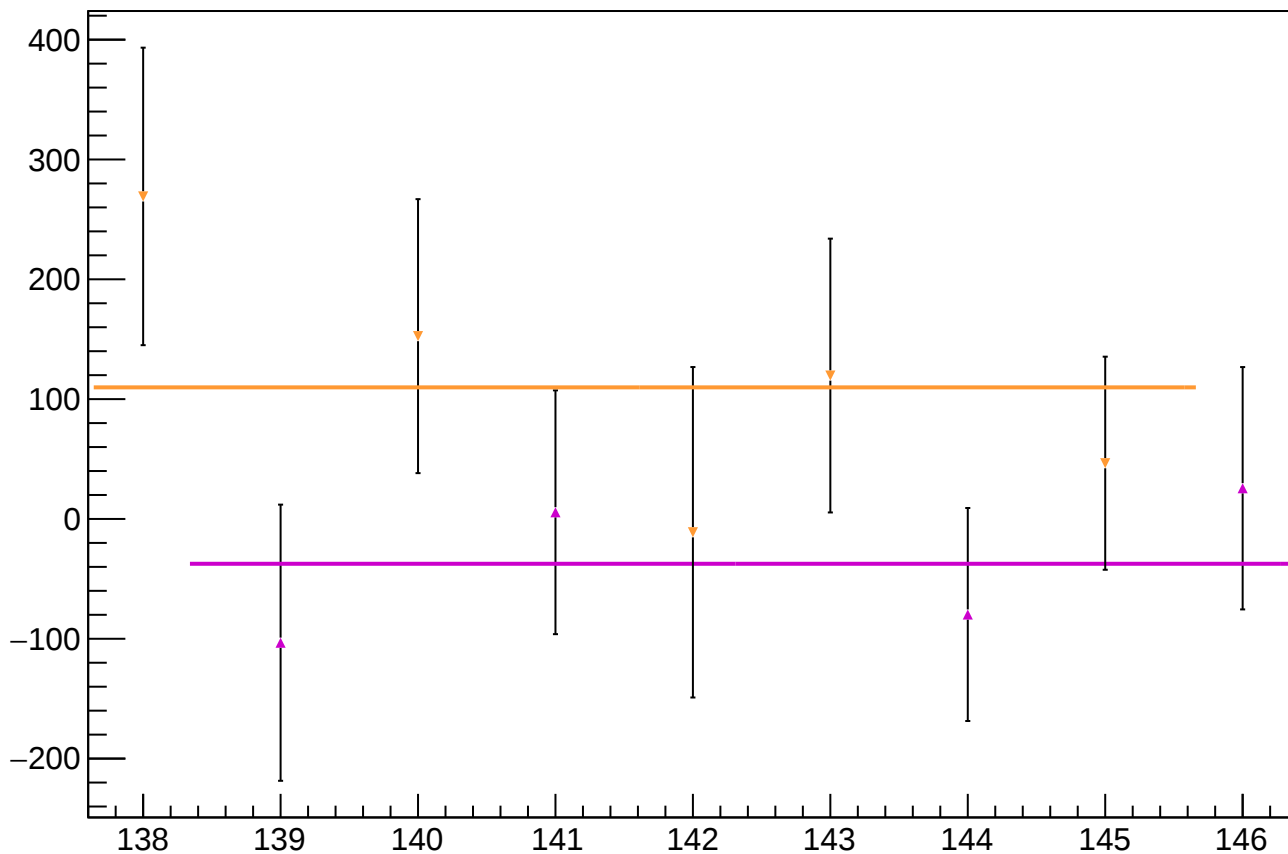
Left In: 457.283 $\pm$ 0.182 χ^2/NDF : 58741.2/3

569.150 $\pm$ 0.134 χ^2/NDF : 1927027.8/21

575.313 $\pm$ 0.095 χ^2/NDF : 3907455.3/45

581.546 $\pm$ 0.135 χ^2/NDF : 1976166.2/23

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 109.814+/-50.186 χ^2/NDF : 3.1/4

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

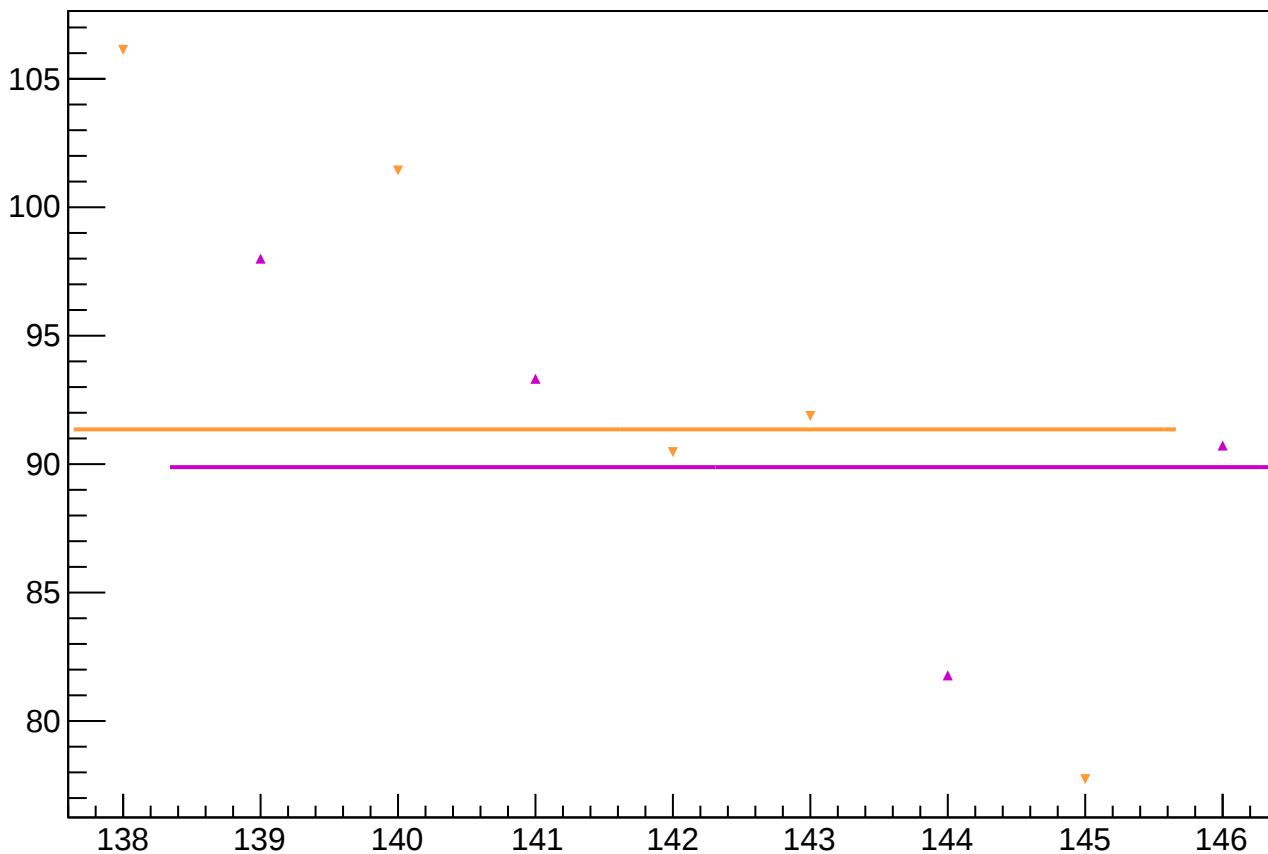
Left In: -37.415+/-50.235 χ^2/NDF : 1.1/3

109.814+/-50.186 χ^2/NDF : 3.1/4

36.273+/-35.504 χ^2/NDF : 8.5/8

-37.415+/-50.235 χ^2/NDF : 1.1/3

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.353+/-0.035 χ^2/NDF : 90892.5/4

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

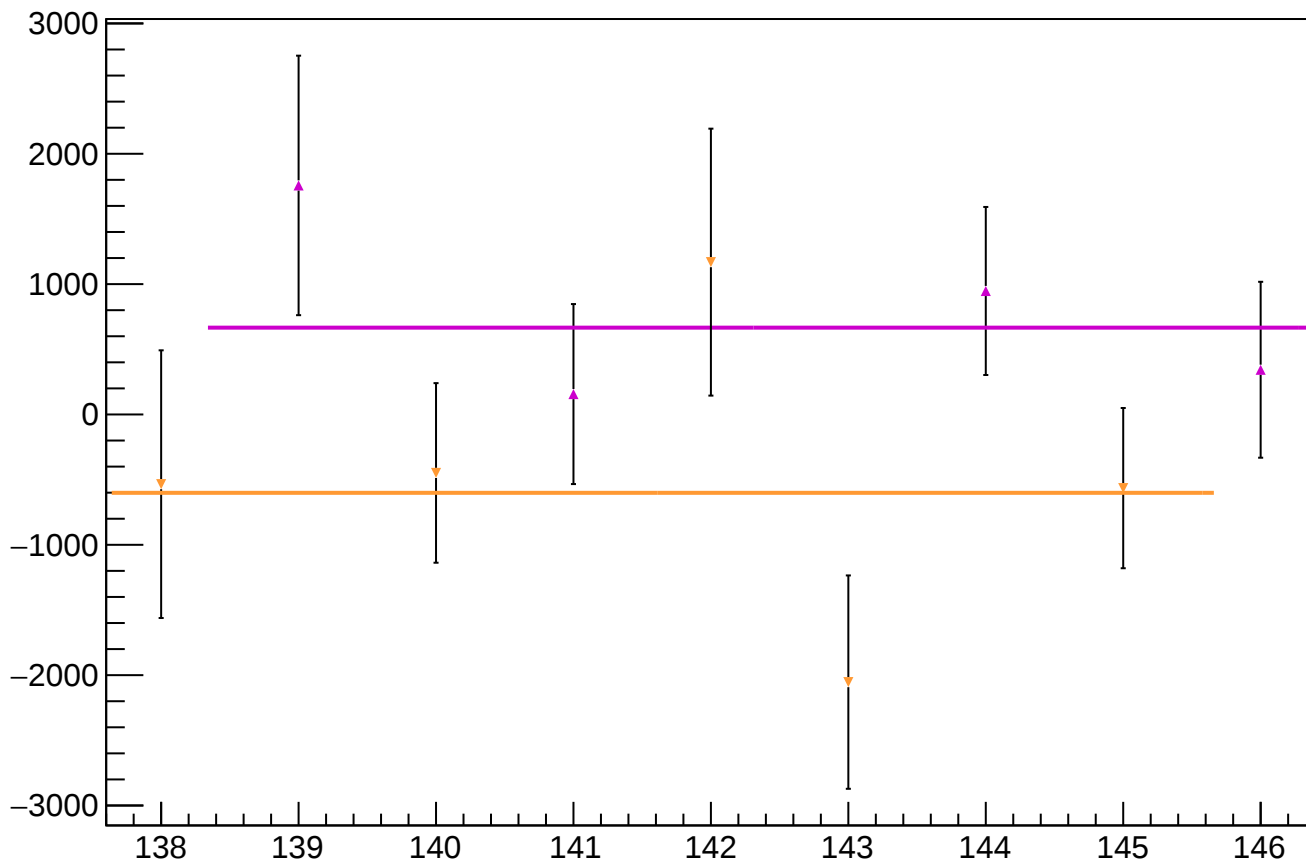
Left In: 89.884+/-0.036 χ^2/NDF : 28981.5/3

91.353+/-0.035 χ^2/NDF : 90892.5/4

90.619+/-0.025 χ^2/NDF : 120730.8/8

89.884+/-0.036 χ^2/NDF : 28981.5/3

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -601.163 $\pm$ 350.316 χ^2 /NDF: 6.2/4

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

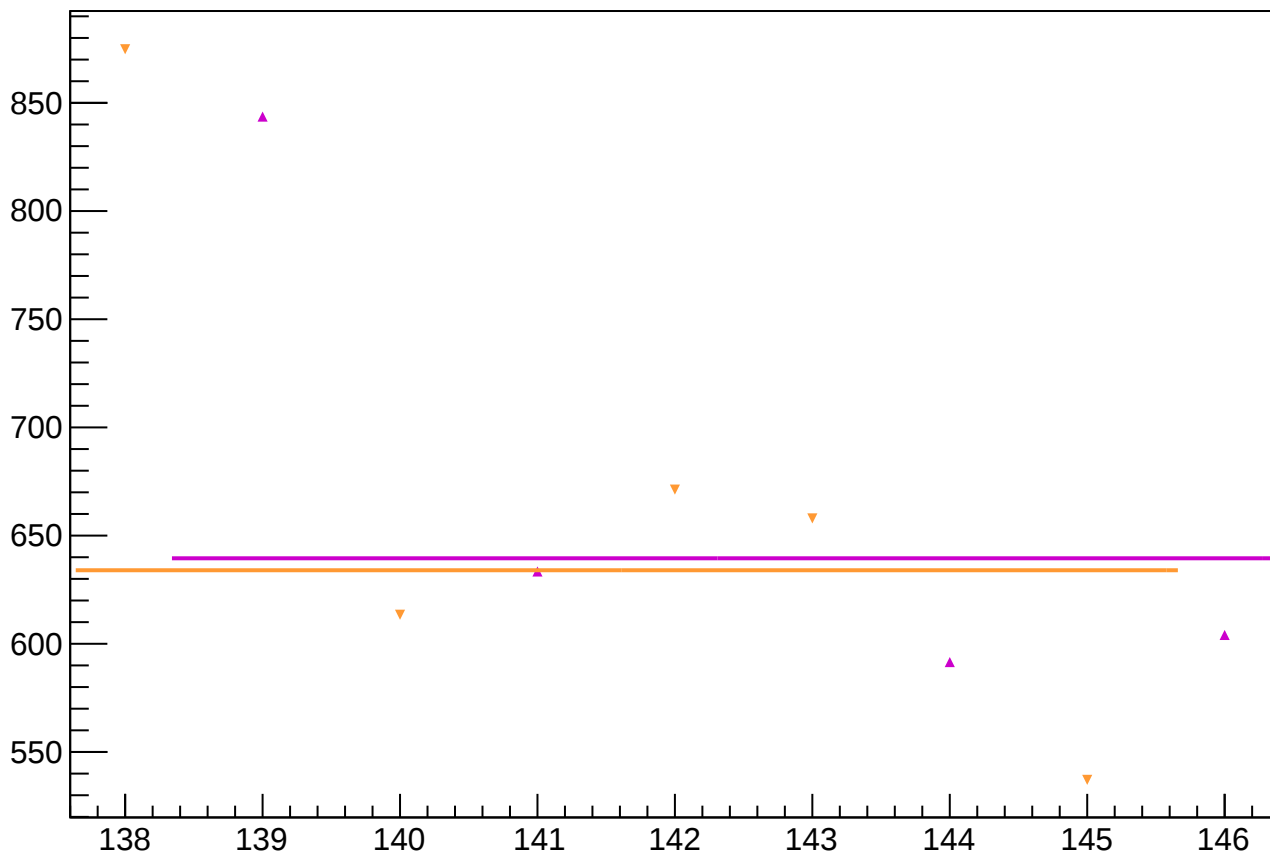
Left In: 666.039 $\pm$ 360.154 χ^2 /NDF: 2.2/3

-601.163 $\pm$ 350.316 χ^2 /NDF: 6.2/4

14.896 $\pm$ 251.117 χ^2 /NDF: 14.7/8

666.039 $\pm$ 360.154 χ^2 /NDF: 2.2/3

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 633.984+/-0.248 χ^2/NDF : 165811.0/4

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

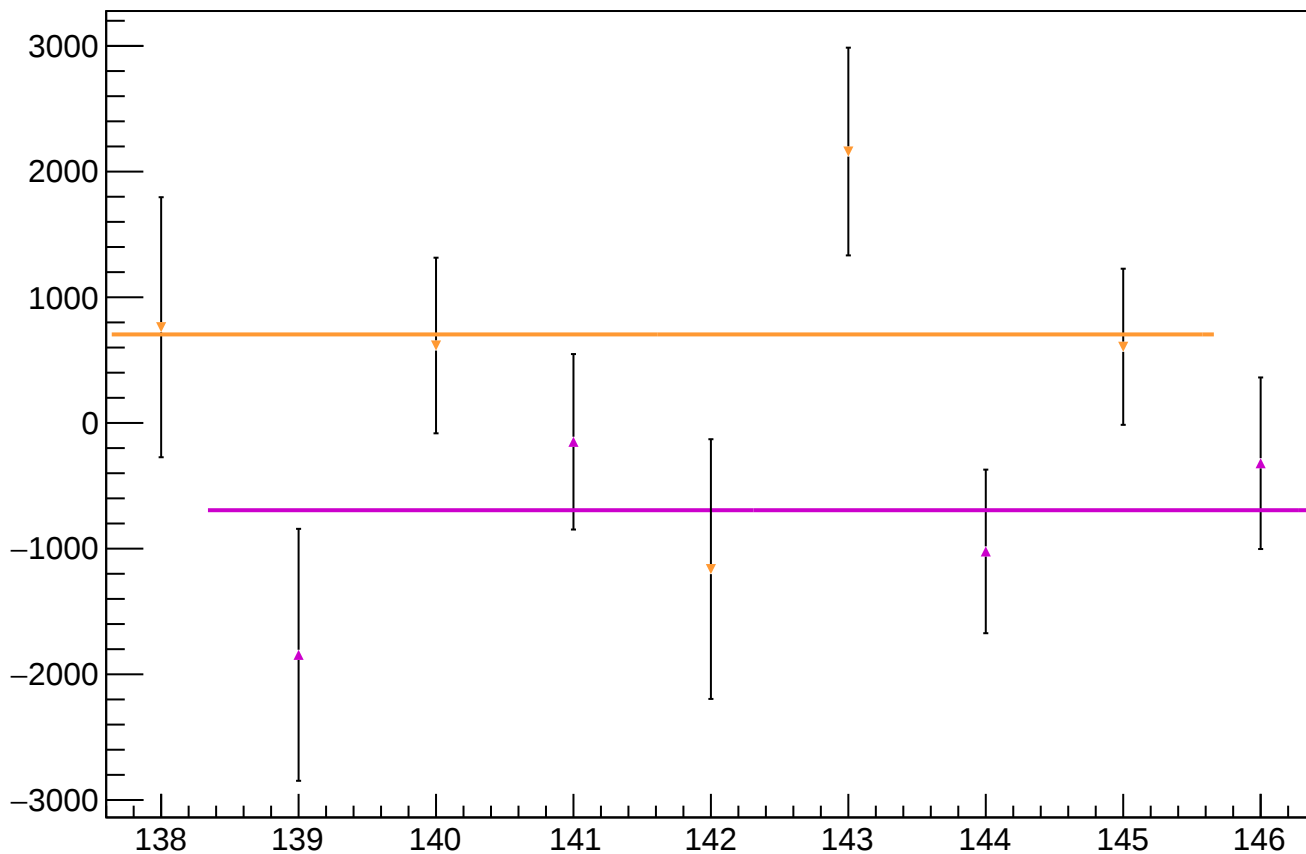
Left In: 639.511+/-0.255 χ^2/NDF : 100858.1/3

633.984+/-0.248 χ^2/NDF : 165811.0/4

636.671+/-0.178 χ^2/NDF : 266911.0/8

639.511+/-0.255 χ^2/NDF : 100858.1/3

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 704.439+/-354.094 χ^2/NDF : 6.4/4

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

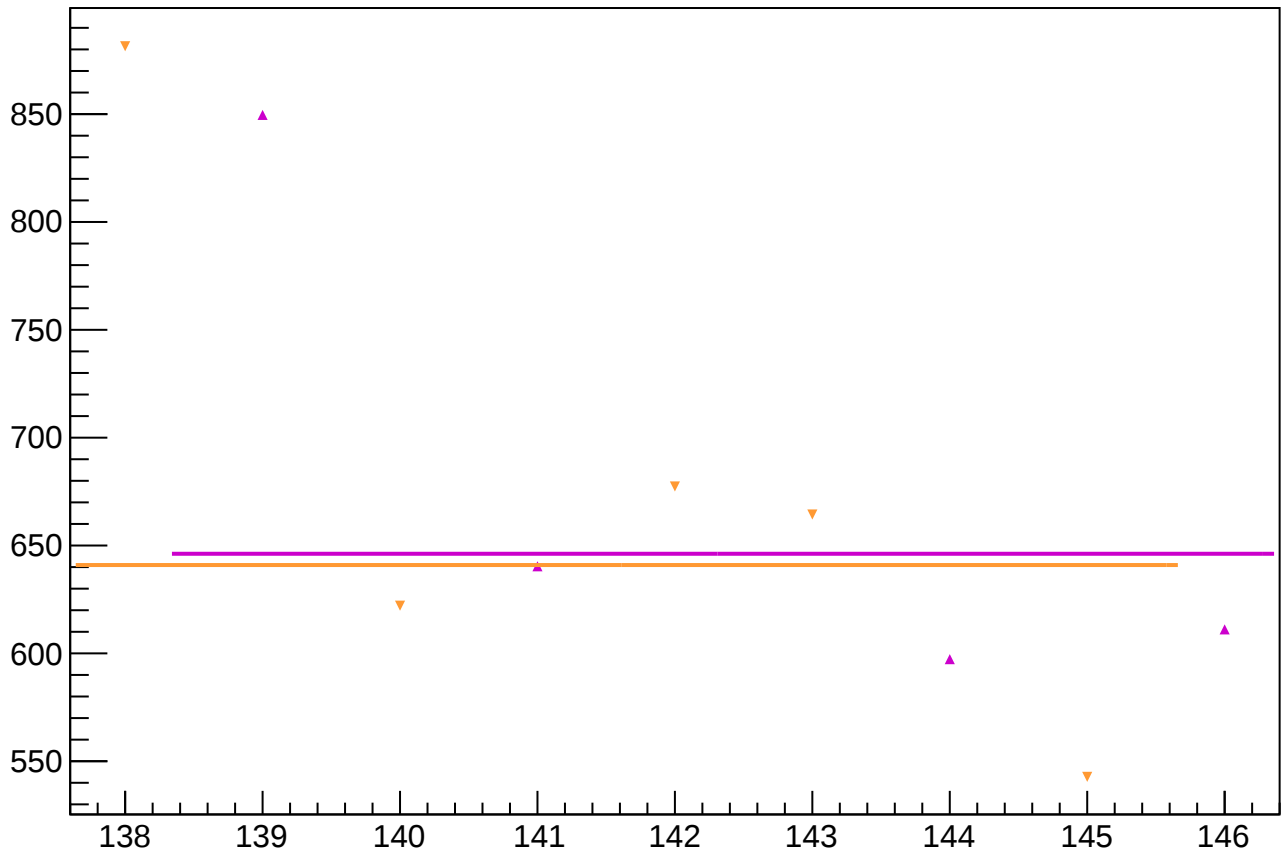
Left In: -694.267+/-363.824 χ^2/NDF : 2.5/3

704.439+/-354.094 χ^2/NDF : 6.4/4

24.041+/-253.752 χ^2/NDF : 16.5/8

-694.267+/-363.824 χ^2/NDF : 2.5/3

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 640.952+/-0.250 χ^2/NDF : 163635.1/4

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

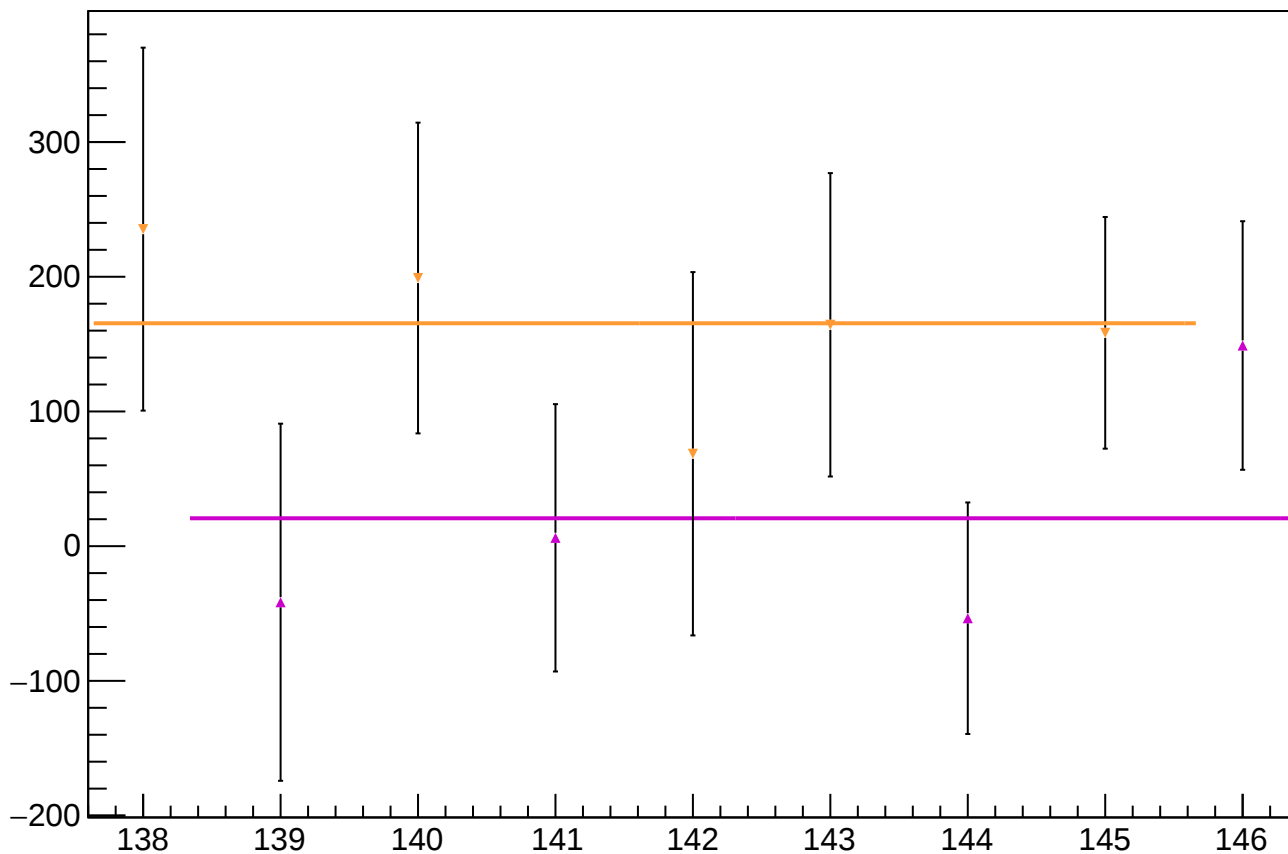
Left In: 646.177+/-0.257 χ^2/NDF : 99089.1/3

640.952+/-0.250 χ^2/NDF : 163635.1/4

643.494+/-0.179 χ^2/NDF : 262936.0/8

646.177+/-0.257 χ^2/NDF : 99089.1/3

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 165.471+/-50.044 χ^2/NDF : 0.9/4

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

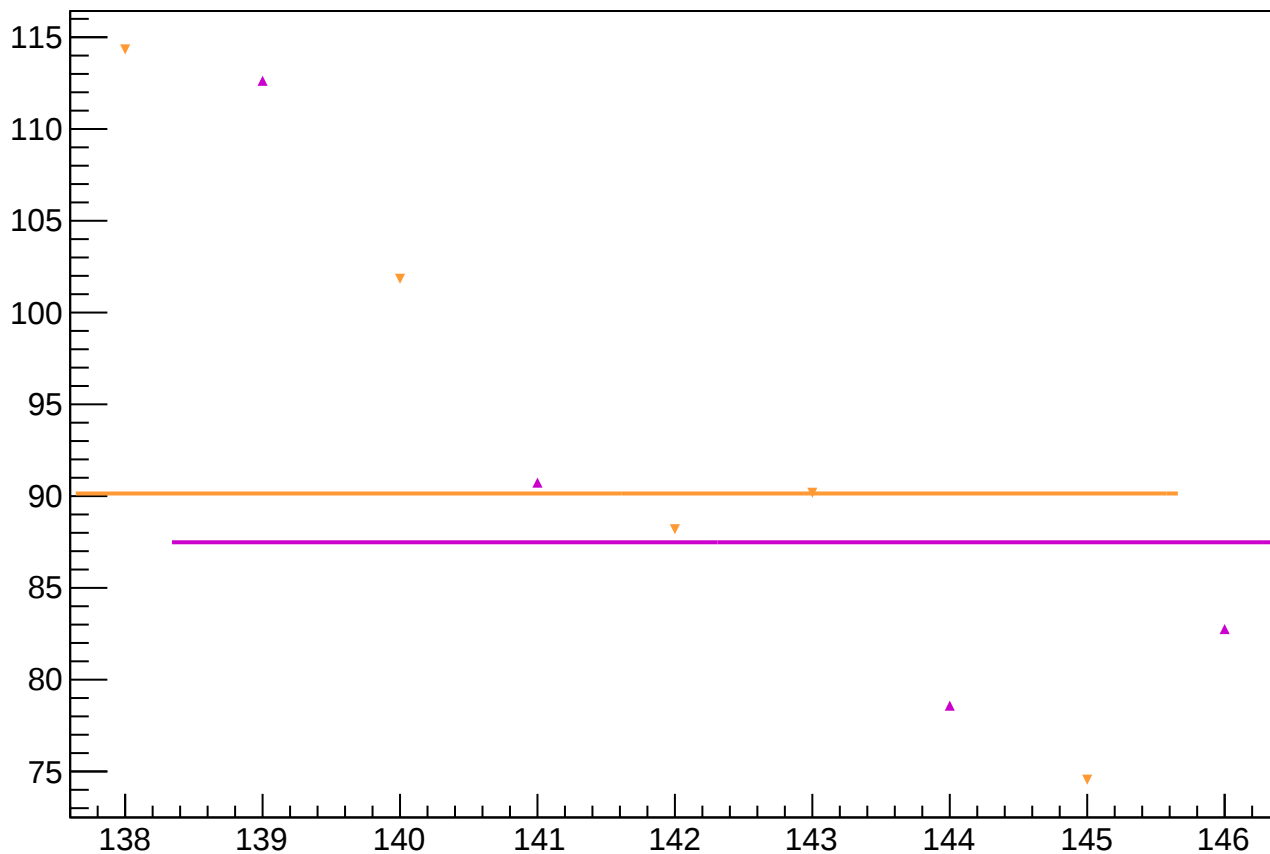
Left In: 20.701+/-49.306 χ^2/NDF : 2.9/3

165.471+/-50.044 χ^2/NDF : 0.9/4

92.011+/-35.123 χ^2/NDF : 8.0/8

20.701+/-49.306 χ^2/NDF : 2.9/3

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 90.143+/-0.035 χ^2/NDF : 151211.1/4

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

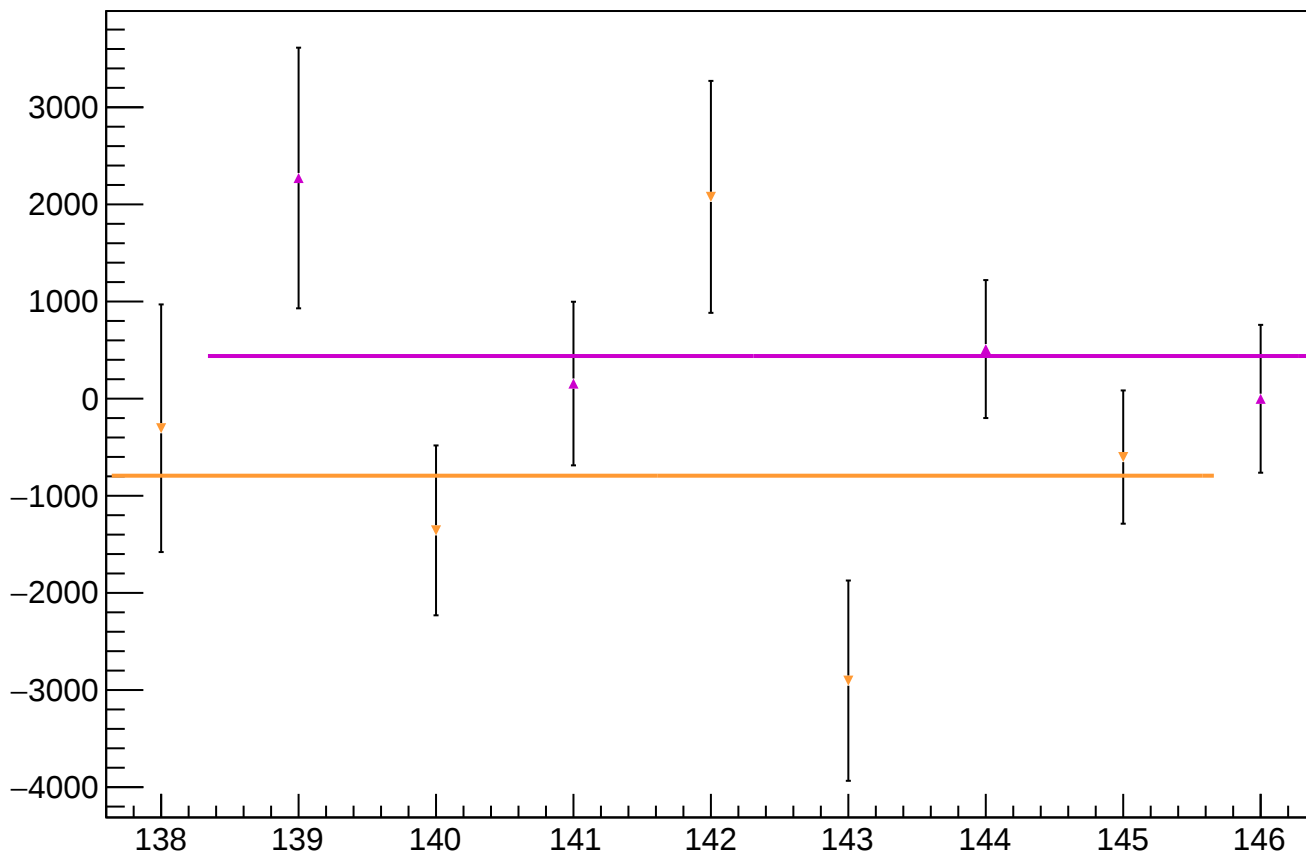
Left In: 87.485+/-0.035 χ^2/NDF : 100795.8/3

90.143+/-0.035 χ^2/NDF : 151211.1/4

88.794+/-0.025 χ^2/NDF : 254870.7/8

87.485+/-0.035 χ^2/NDF : 100795.8/3

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -793.229+/-419.218 χ^2/NDF :10.6/4

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

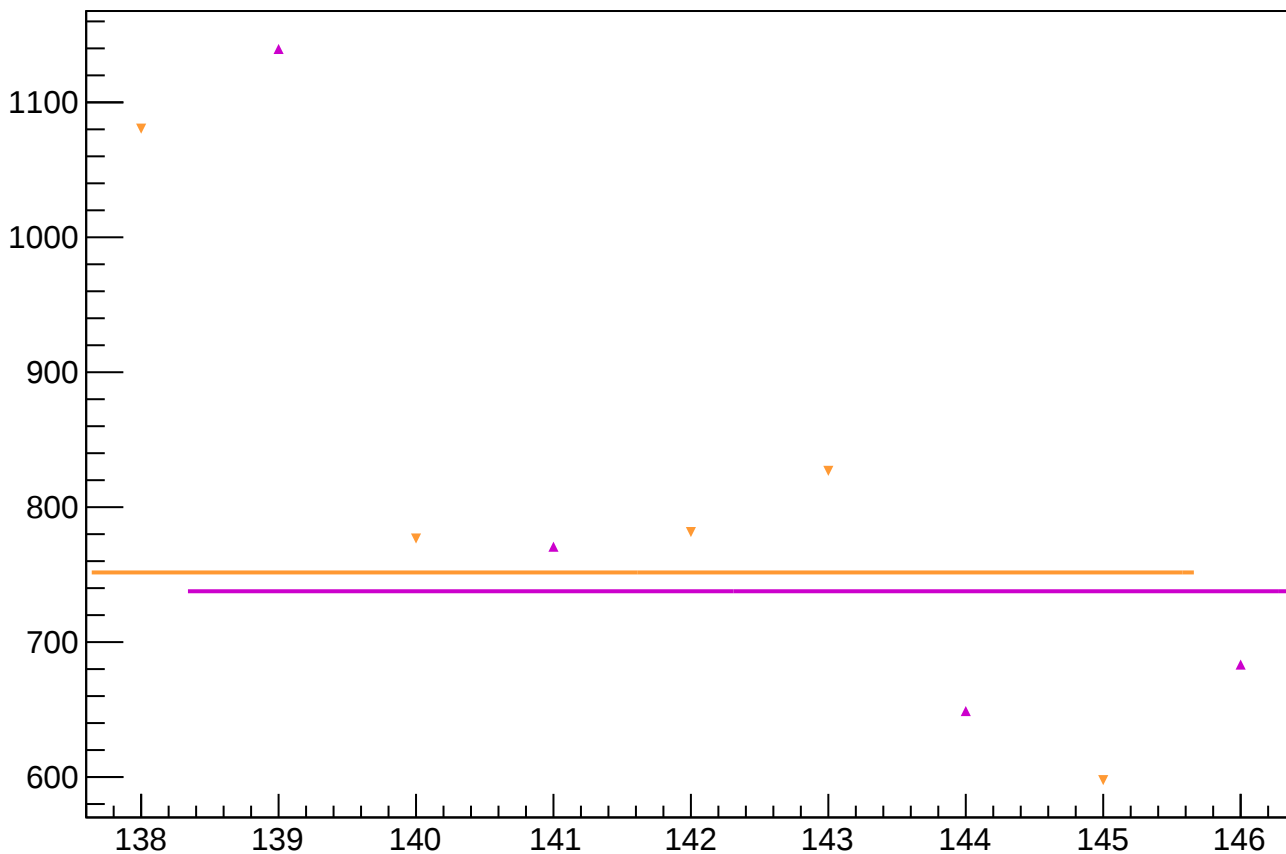
Left In: 438.937+/-419.831 χ^2/NDF :2.3/3

-793.229+/-419.218 χ^2/NDF : 10.6/4

-178.046+/-296.648 χ^2/NDF : 17.2/8

438.937+/-419.831 χ^2/NDF : 2.3/3

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 751.621+/-0.296 χ^2/NDF : 247390.6/4

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

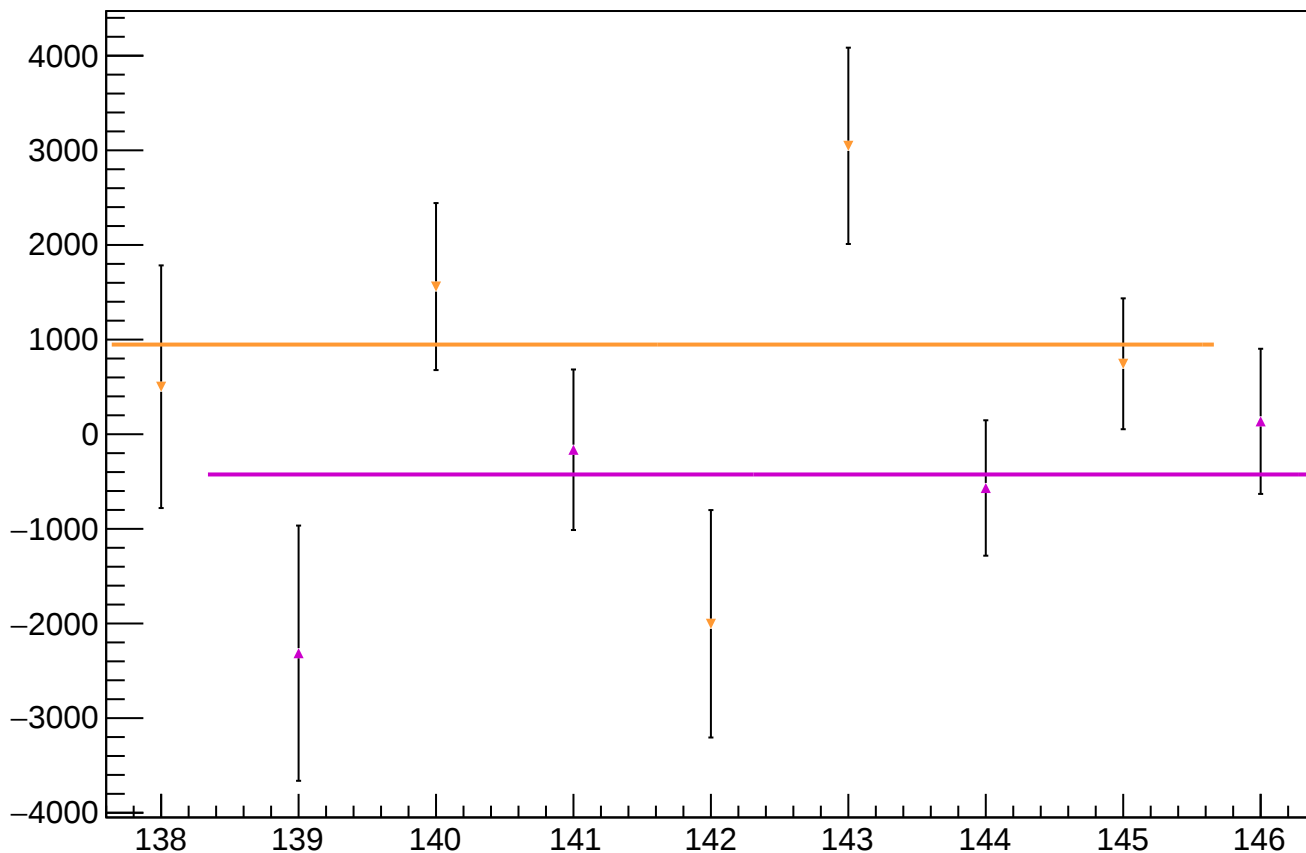
Left In: 737.681+/-0.297 χ^2/NDF : 223929.8/3

751.621+/-0.296 χ^2/NDF : 247390.6/4

744.661+/-0.210 χ^2/NDF : 472424.5/8

737.681+/-0.297 χ^2/NDF : 223929.8/3

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 947.509+/-422.351 χ^2/NDF :10.8/4

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

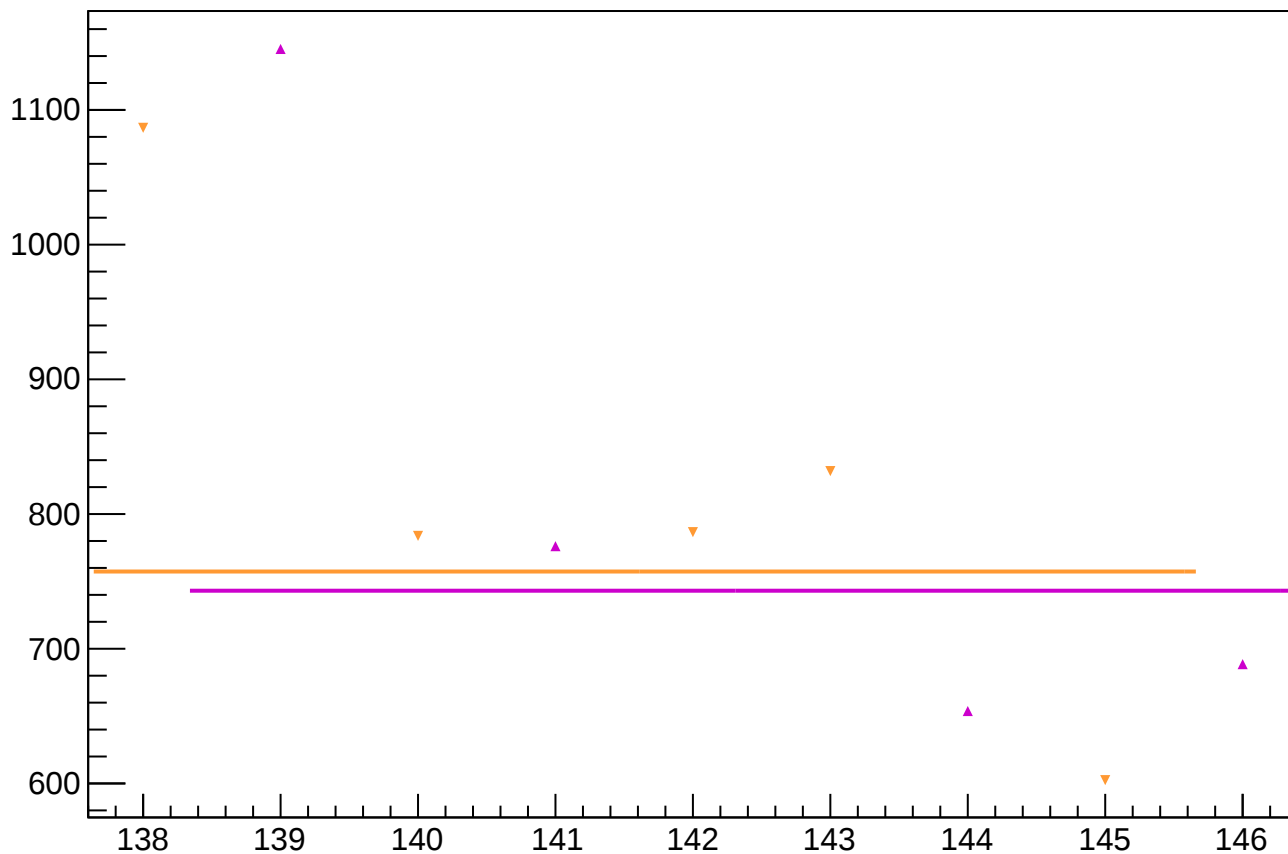
Left In: -425.214+/-422.833 χ^2/NDF :2.6/3

947.509+/-422.351 χ^2/NDF : 10.8/4

261.930+/-298.818 χ^2/NDF : 18.7/8

-425.214+/-422.833 χ^2/NDF : 2.6/3

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 757.337+/-0.299 χ^2/NDF : 245663.0/4

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

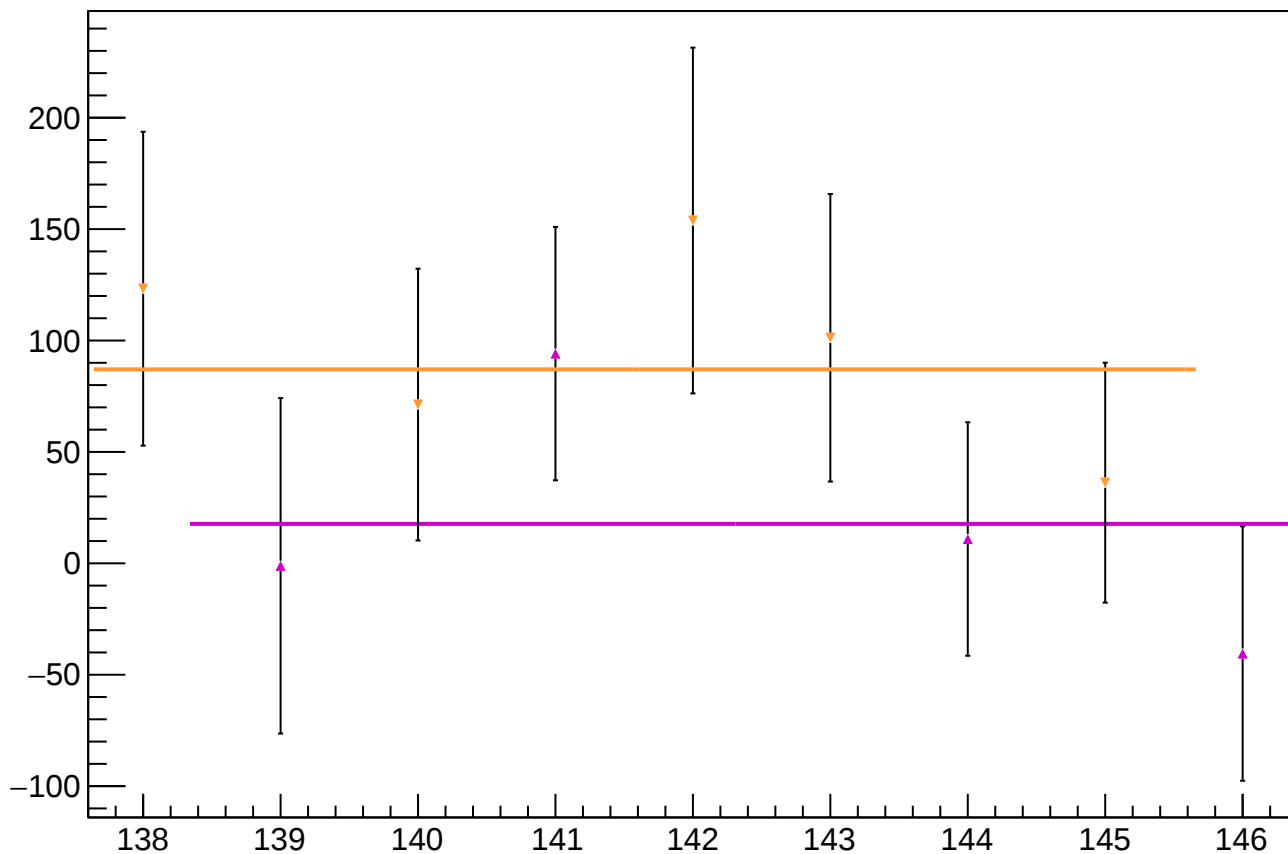
Left In: 743.085+/-0.299 χ^2/NDF : 222214.5/3

757.337+/-0.299 χ^2/NDF : 245663.0/4

750.219+/-0.211 χ^2/NDF : 469015.1/8

743.085+/-0.299 χ^2/NDF : 222214.5/3

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 87.058 $\pm$ 28.611 χ^2 /NDF: 2.0/4

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

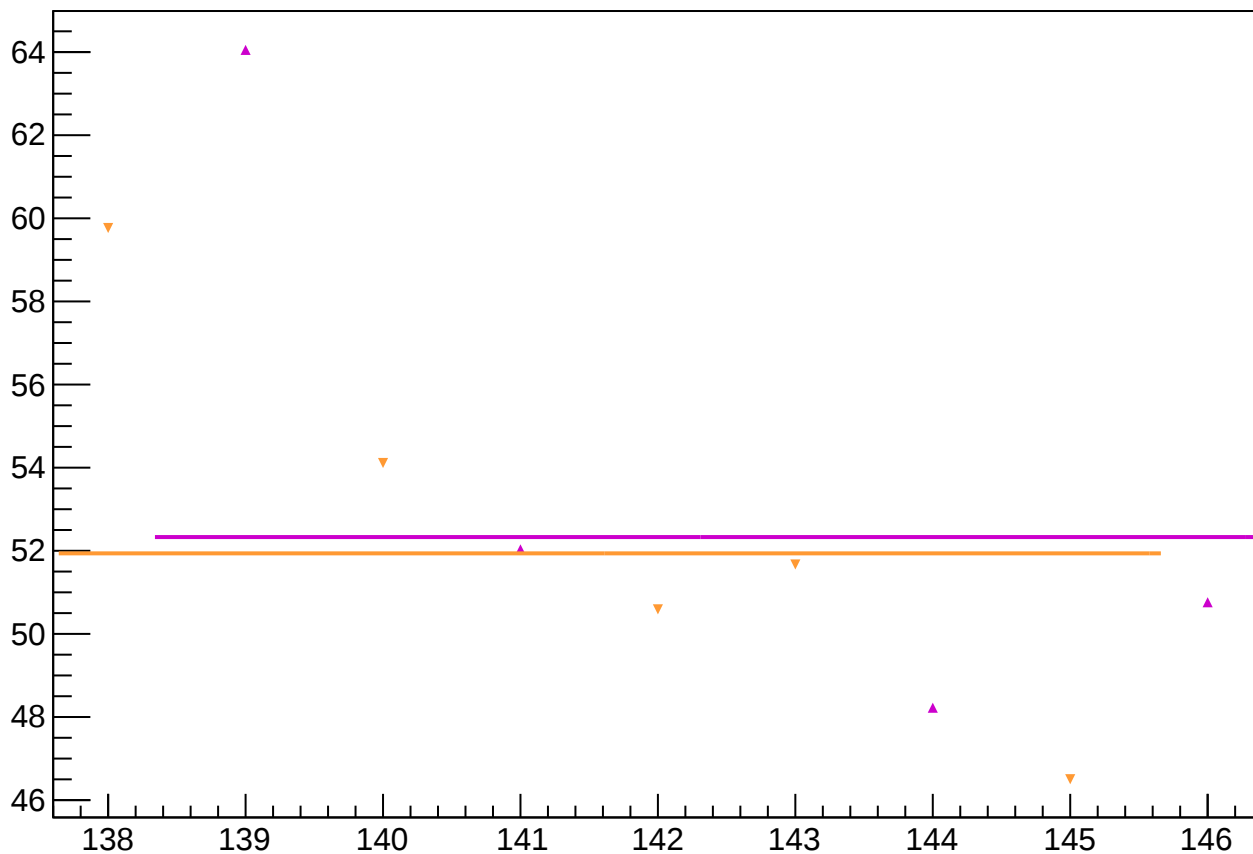
Left In: 17.706 $\pm$ 29.407 χ^2 /NDF: 2.9/3

87.058 $\pm$ 28.611 χ^2 /NDF: 2.0/4

53.333 $\pm$ 20.507 χ^2 /NDF: 7.8/8

17.706 $\pm$ 29.407 χ^2 /NDF: 2.9/3

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 51.938+/-0.020 χ^2/NDF : 48262.2/4

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

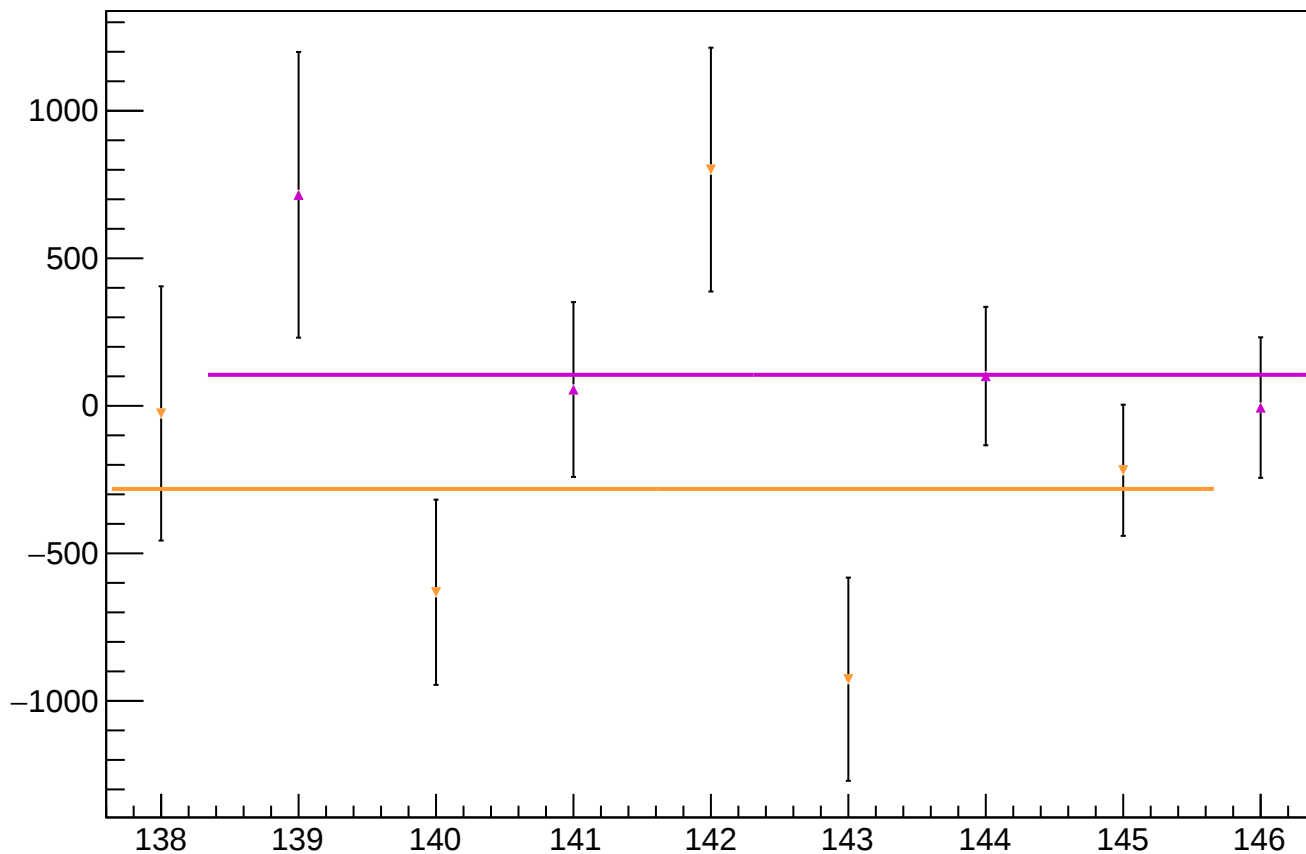
Left In: 52.330+/-0.021 χ^2/NDF : 62326.9/3

51.938+/-0.020 χ^2/NDF : 48262.2/4

52.129+/-0.015 χ^2/NDF : 110772.0/8

52.330+/-0.021 χ^2/NDF : 62326.9/3

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -281.542 ± 141.333 $\chi^2/\text{NDF}: 12.0/4$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

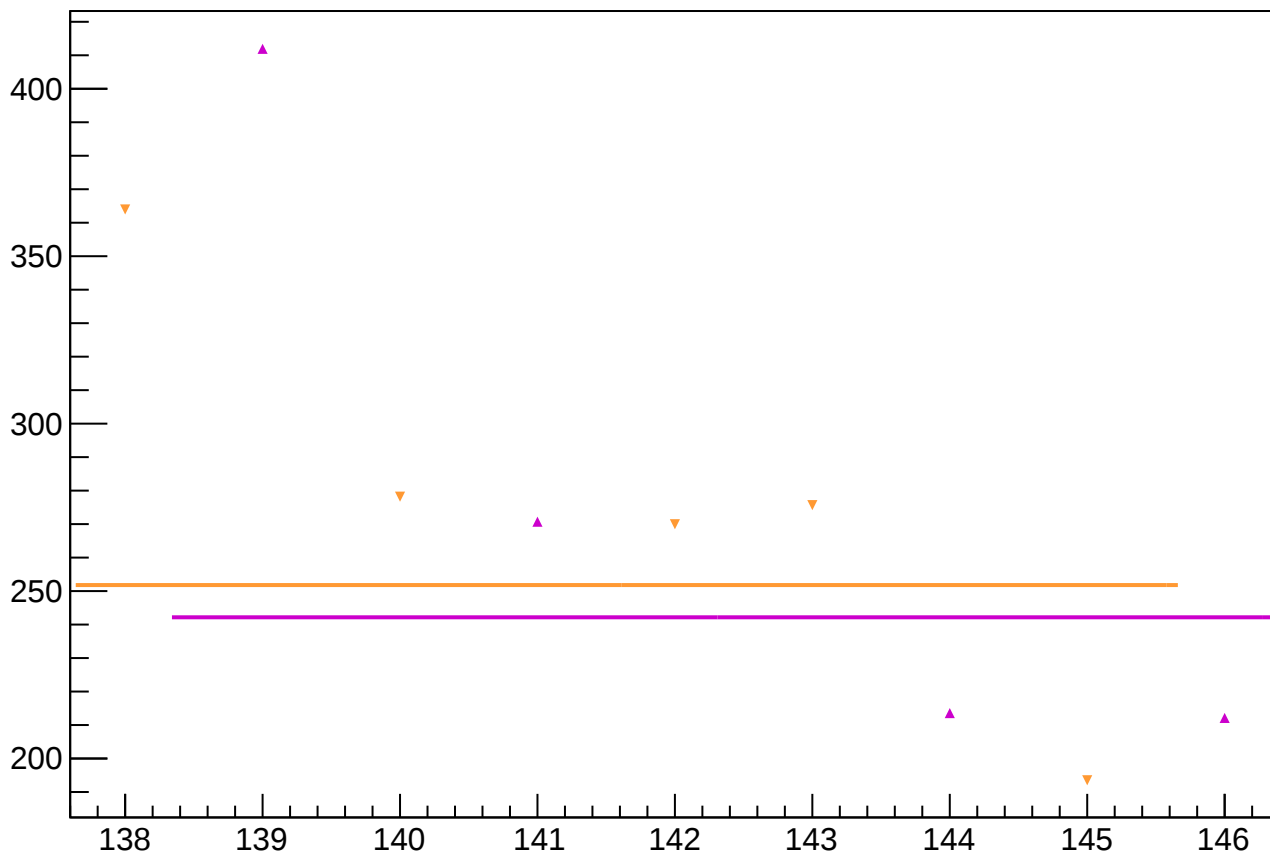
Left In: 105.167 ± 139.412 $\chi^2/\text{NDF}: 1.8/3$

-281.542 ± 141.333 $\chi^2/\text{NDF}: 12.0/4$

-85.542 ± 99.252 $\chi^2/\text{NDF}: 17.7/8$

105.167 ± 139.412 $\chi^2/\text{NDF}: 1.8/3$

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 251.798+/-0.100 χ^2/NDF : 300681.9/4

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

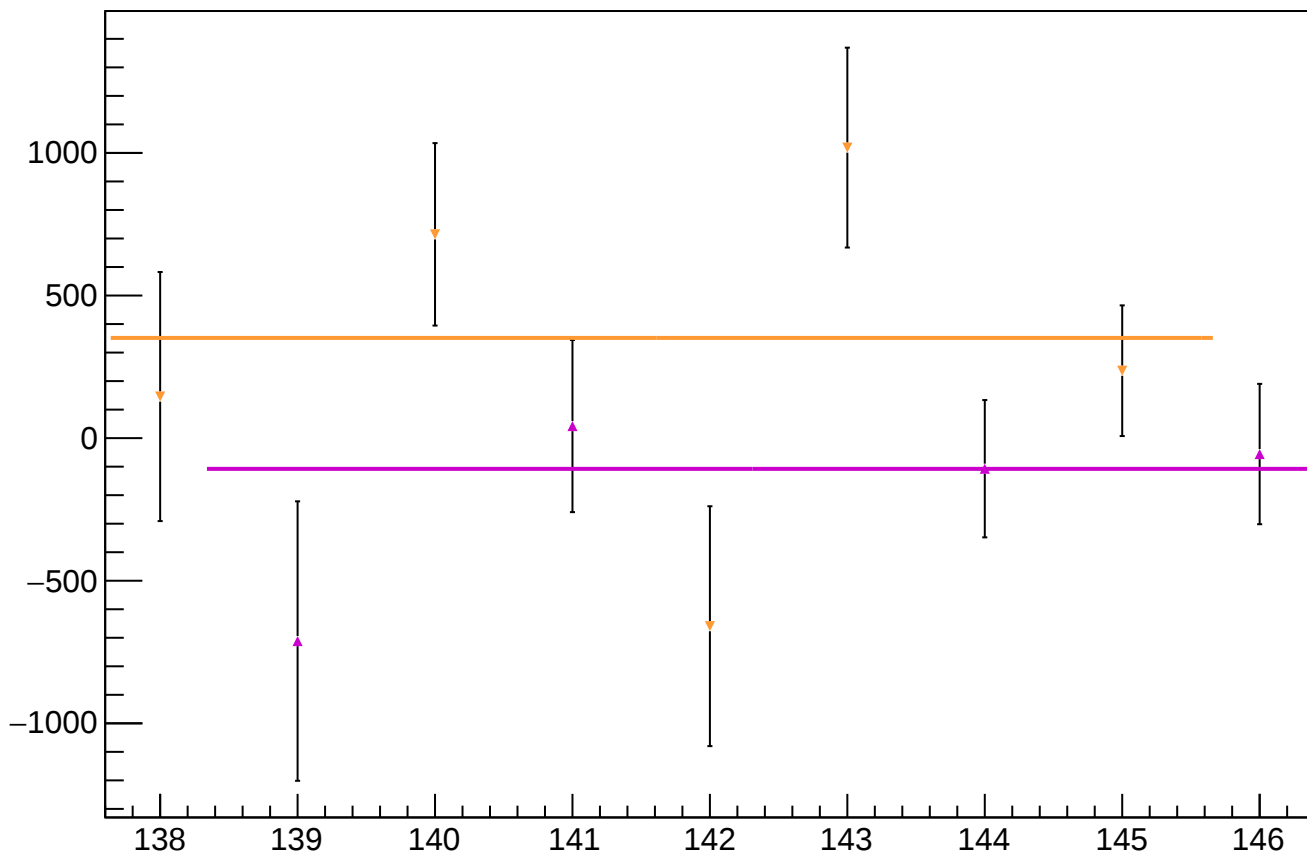
Left In: 242.170+/-0.099 χ^2/NDF : 326075.0/3

251.798+/-0.100 χ^2/NDF : 300681.9/4

246.918+/-0.070 χ^2/NDF : 631461.5/8

242.170+/-0.099 χ^2/NDF : 326075.0/3

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 351.383+/-144.533 χ^2/NDF : 11.2/4

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

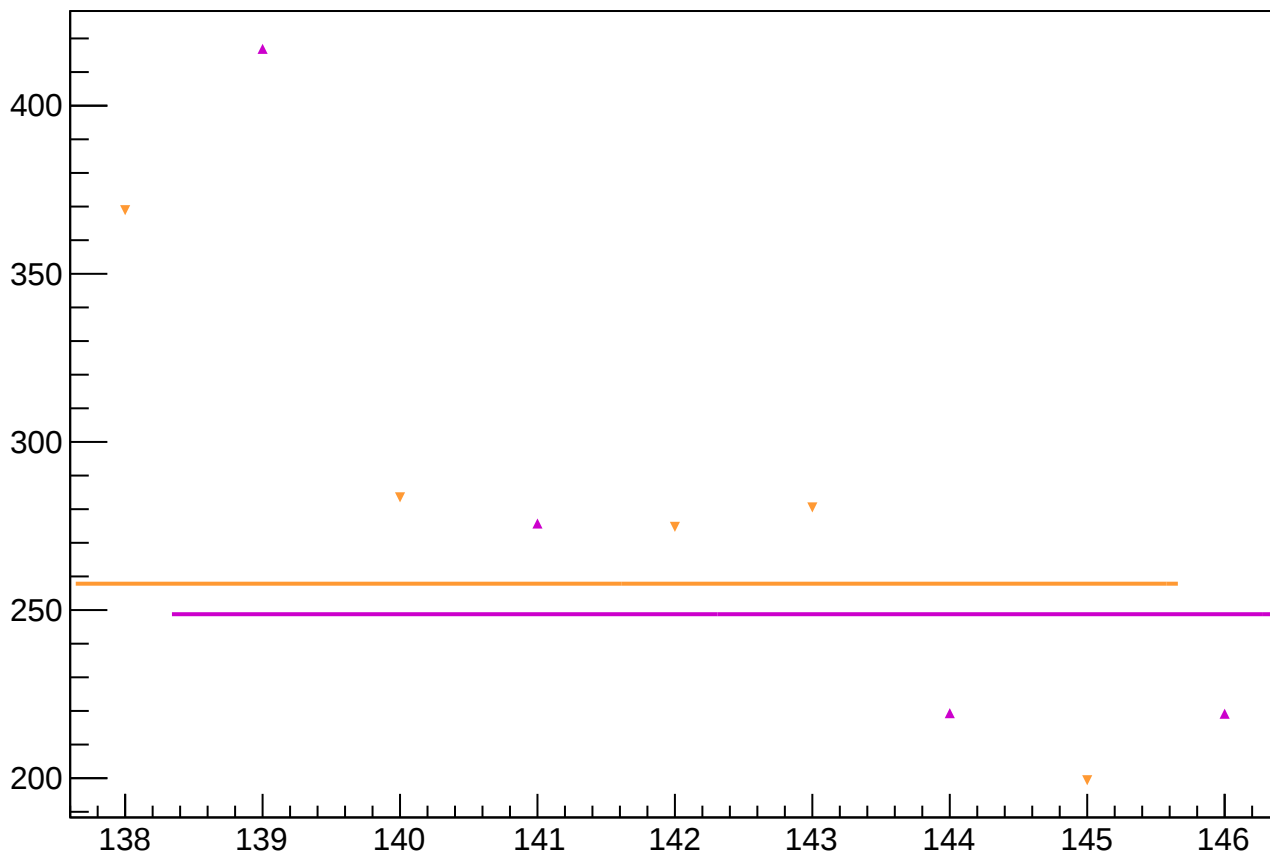
Left In: -107.745+/-142.980 χ^2/NDF : 1.8/3

351.383+/-144.533 χ^2/NDF : 11.2/4

119.340+/-101.647 χ^2/NDF : 18.1/8

-107.745+/-142.980 χ^2/NDF : 1.8/3

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 257.840+/-0.102 χ^2/NDF : 284140.6/4

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

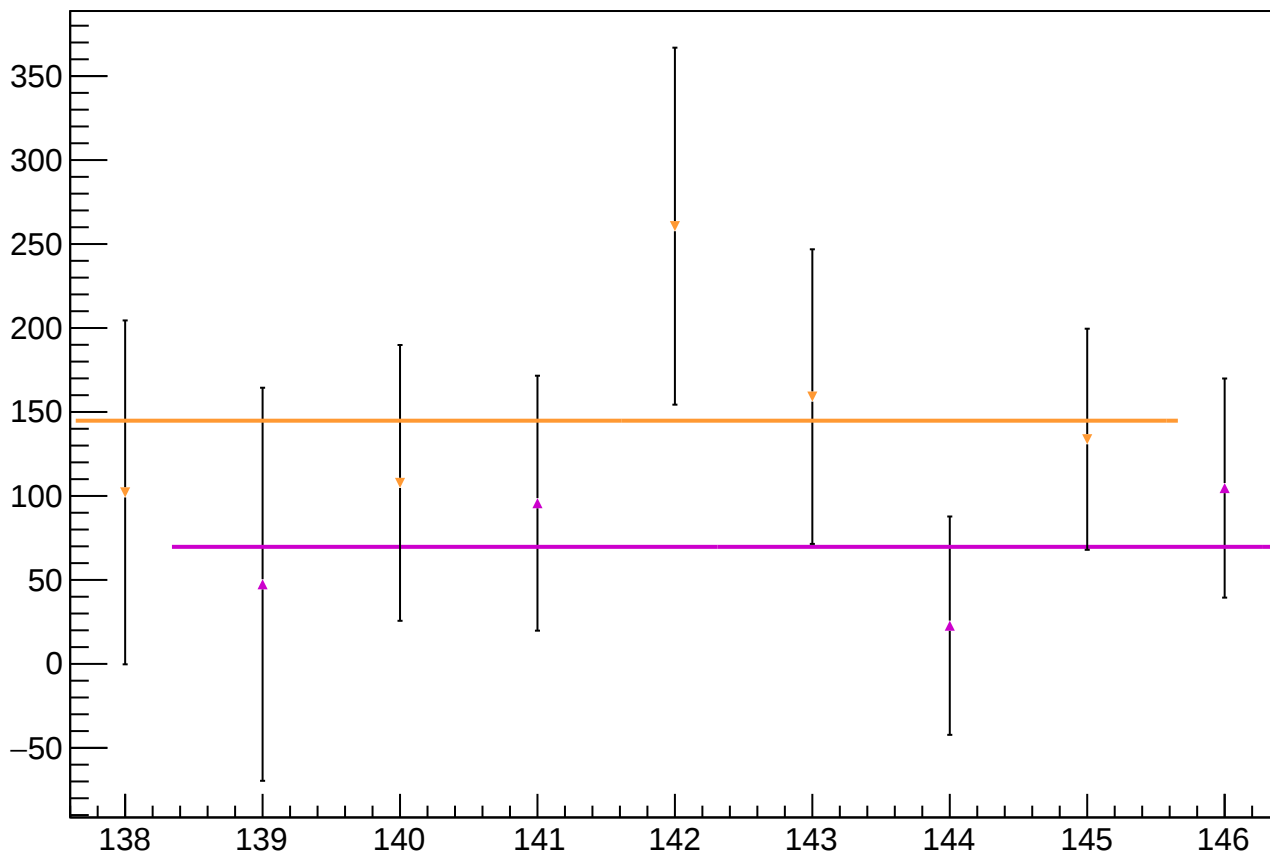
Left In: 248.765+/-0.101 χ^2/NDF : 310356.6/3

257.840+/-0.102 χ^2/NDF : 284140.6/4

253.254+/-0.072 χ^2/NDF : 598482.4/8

248.765+/-0.101 χ^2/NDF : 310356.6/3

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 144.815+/-37.986 χ^2/NDF : 1.6/4

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

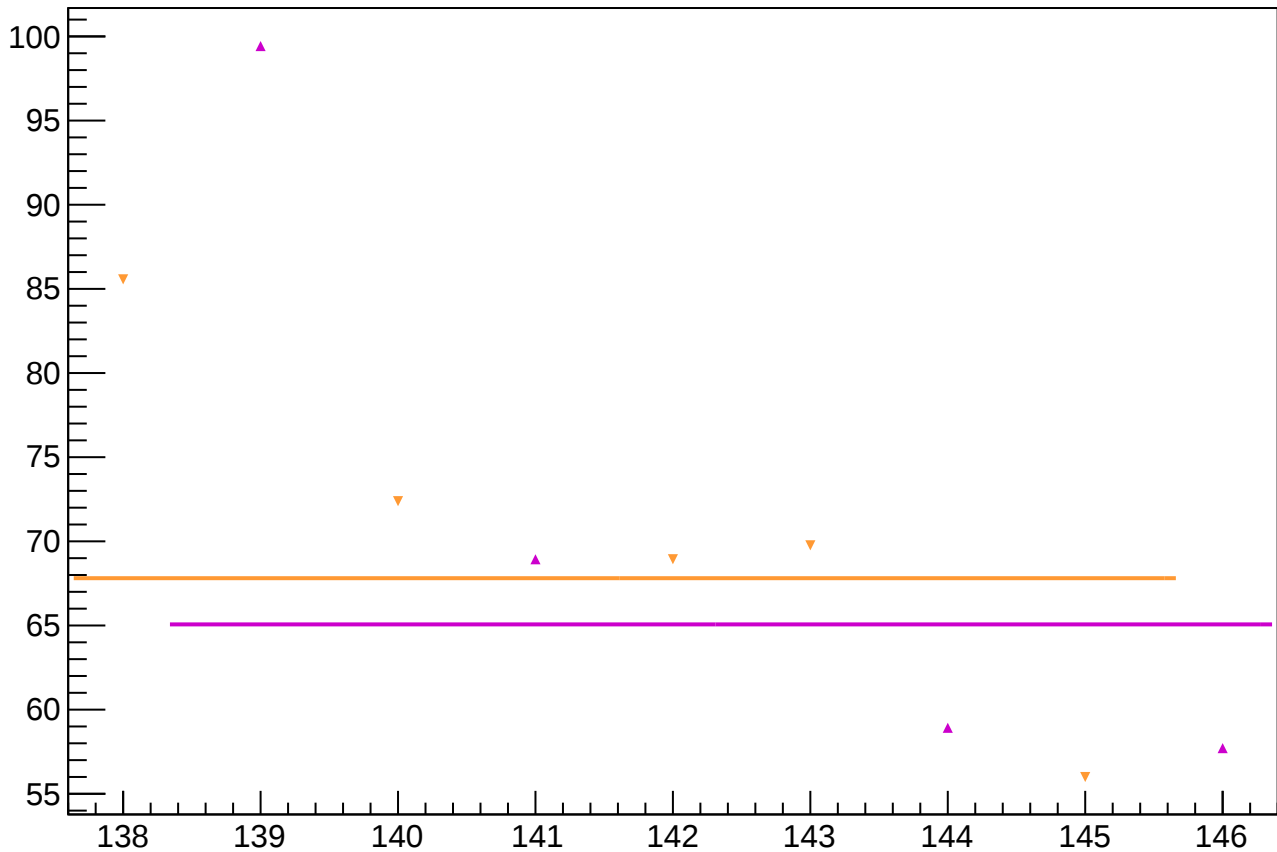
Left In: 69.702+/-37.314 χ^2/NDF : 1.0/3

144.815+/-37.986 χ^2/NDF : 1.6/4

106.588+/-26.619 χ^2/NDF : 4.6/8

69.702+/-37.314 χ^2/NDF : 1.0/3

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 67.810+/-0.027 χ^2/NDF : 132008.4/4

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

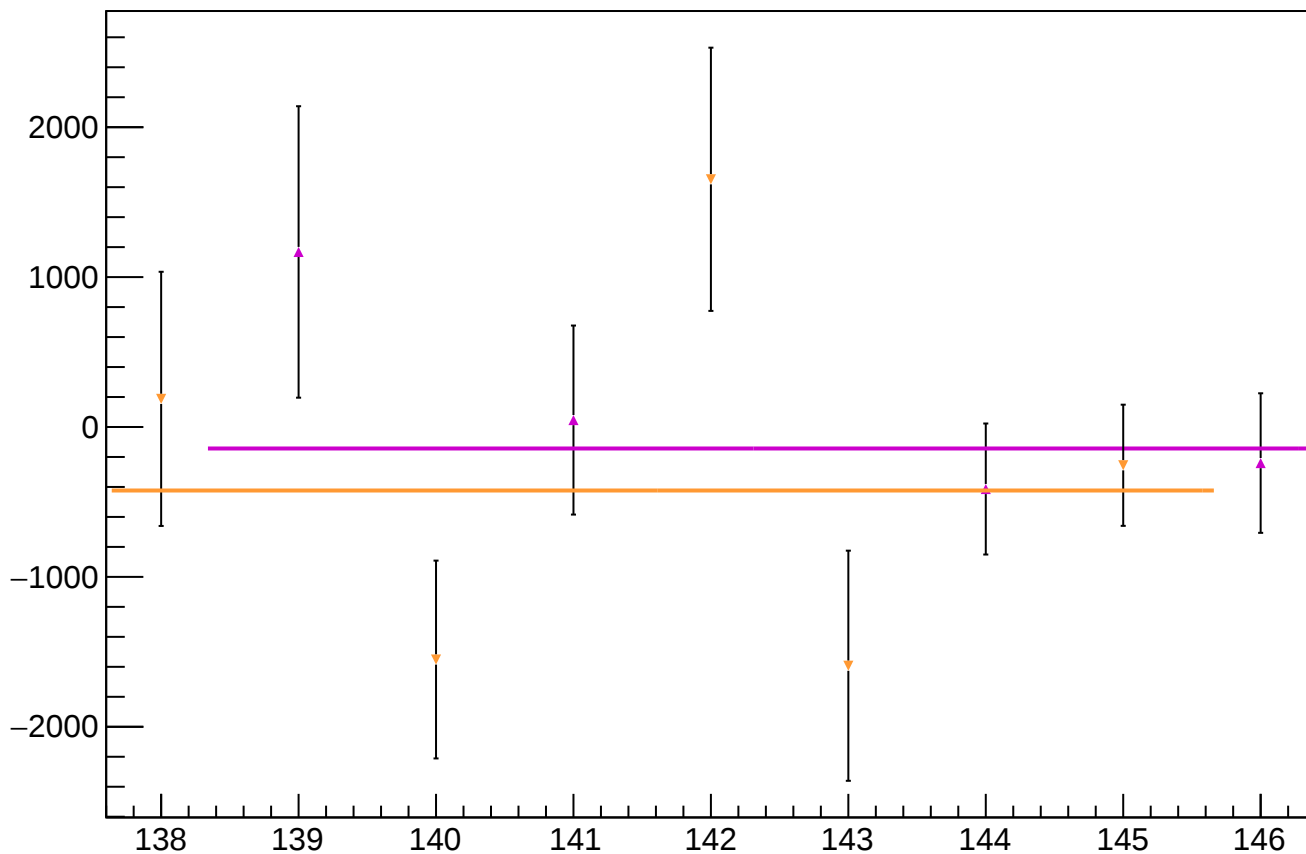
Left In: 65.065+/-0.026 χ^2/NDF : 220915.5/3

67.810+/-0.027 χ^2/NDF : 132008.4/4

66.413+/-0.019 χ^2/NDF : 358239.0/8

65.065+/-0.026 χ^2/NDF : 220915.5/3

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -423.660+/-279.478 χ^2 /NDF:11.5/4

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

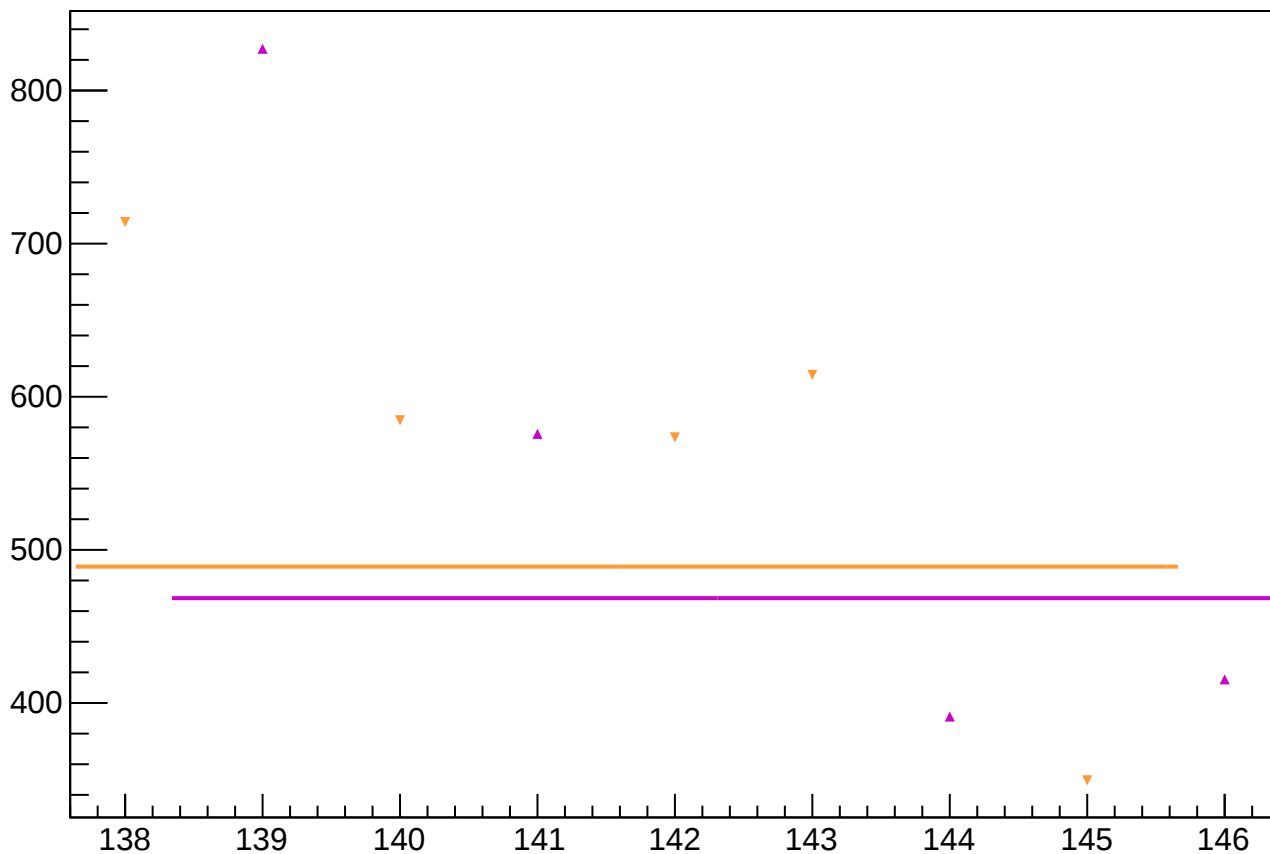
Left In: -143.404+/-272.943 χ^2 /NDF:2.3/3

-423.660+/-279.478 χ^2 /NDF: 11.5/4

-280.217+/-195.269 χ^2 /NDF: 14.4/8

-143.404+/-272.943 χ^2 /NDF: 2.3/3

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 489.063+/-0.198 χ^2/NDF : 493089.4/4

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

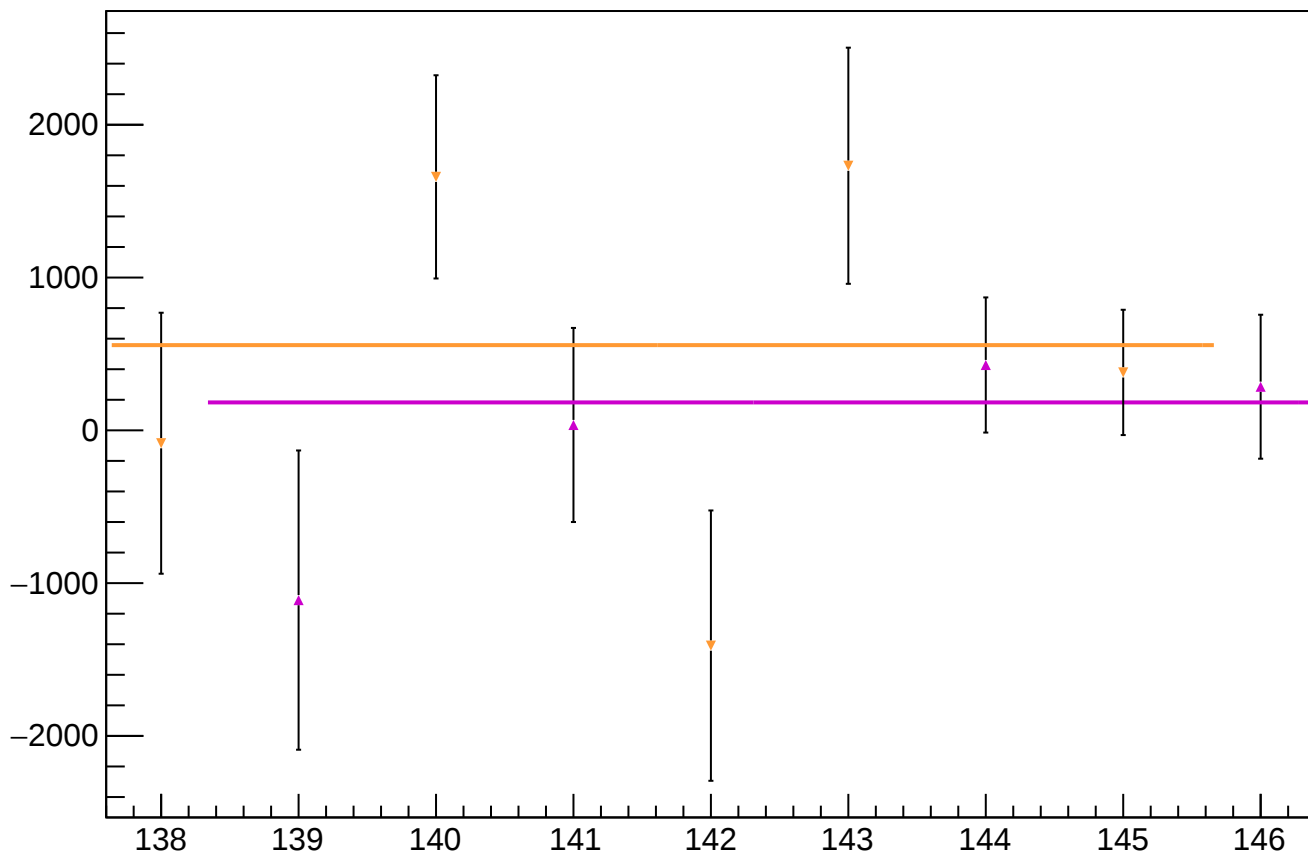
Left In: 468.468+/-0.193 χ^2/NDF : 418899.8/3

489.063+/-0.198 χ^2/NDF : 493089.4/4

478.522+/-0.138 χ^2/NDF : 917548.3/8

468.468+/-0.193 χ^2/NDF : 418899.8/3

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 557.728+/-282.477 χ^2/NDF :10.7/4

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

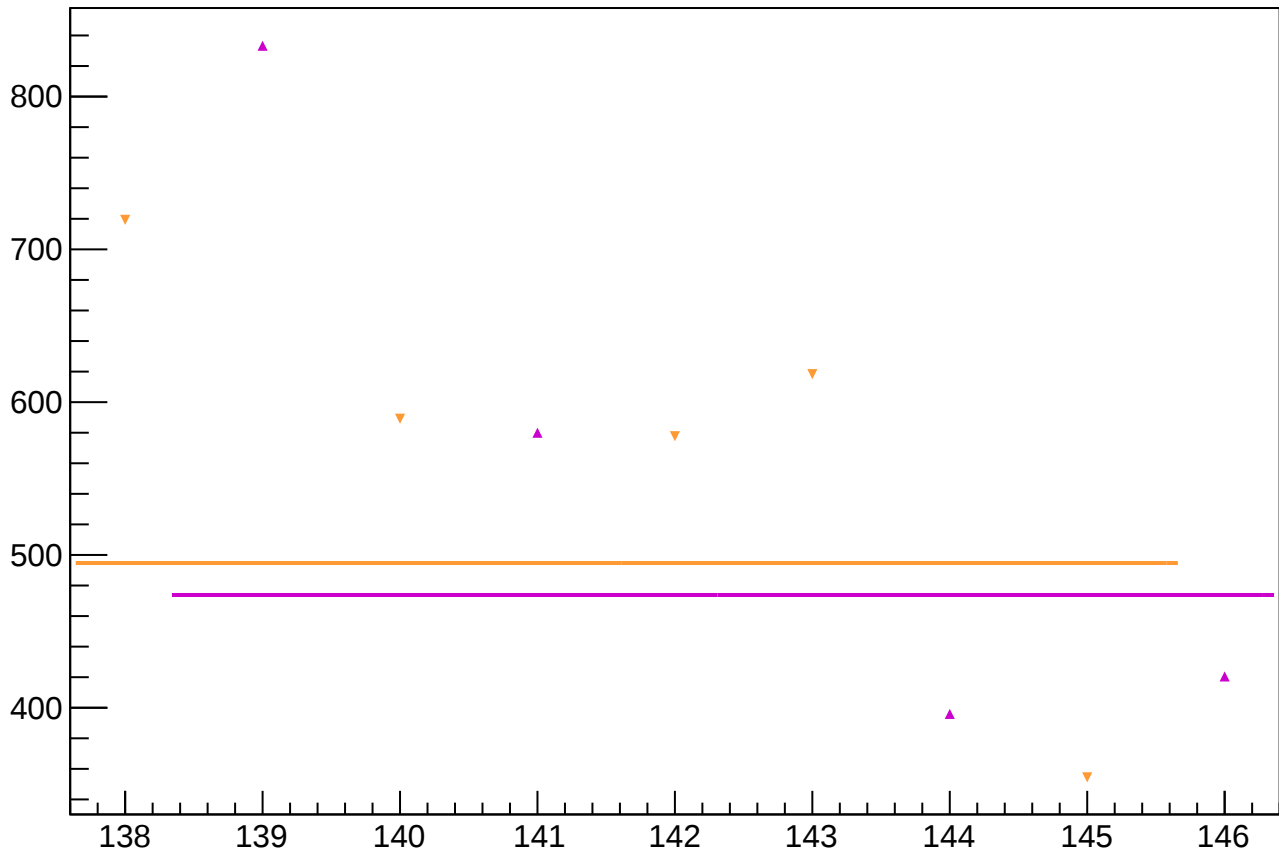
Left In: 182.769+/-275.882 χ^2/NDF :2.2/3

557.728+/-282.477 χ^2/NDF : 10.7/4

365.820+/-197.368 χ^2/NDF : 13.8/8

182.769+/-275.882 χ^2/NDF : 2.2/3

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 494.726+/-0.200 χ^2/NDF : 481498.2/4

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

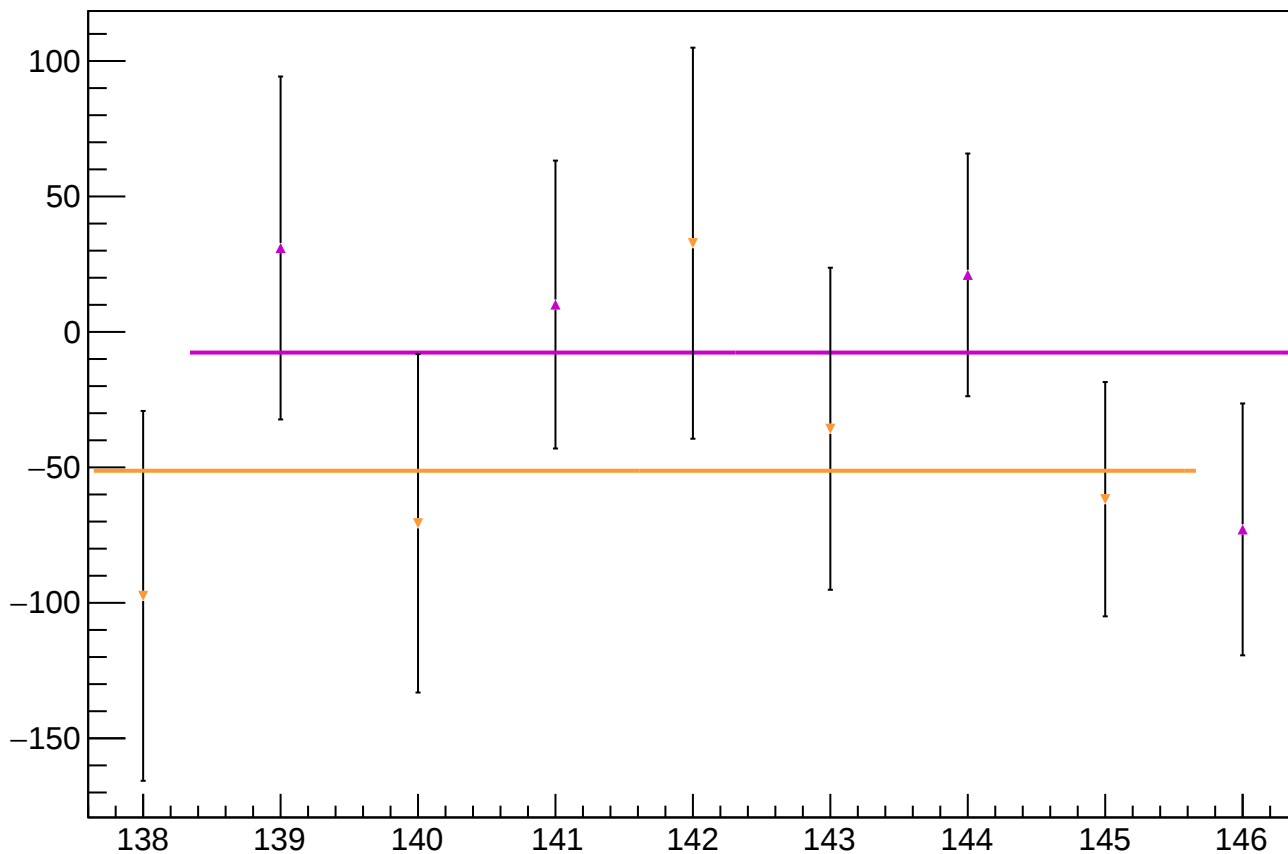
Left In: 473.802+/-0.195 χ^2/NDF : 412933.2/3

494.726+/-0.200 χ^2/NDF : 481498.2/4

484.016+/-0.140 χ^2/NDF : 900047.7/8

473.802+/-0.195 χ^2/NDF : 412933.2/3

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -51.236+/-25.986 χ^2/NDF : 2.0/4

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

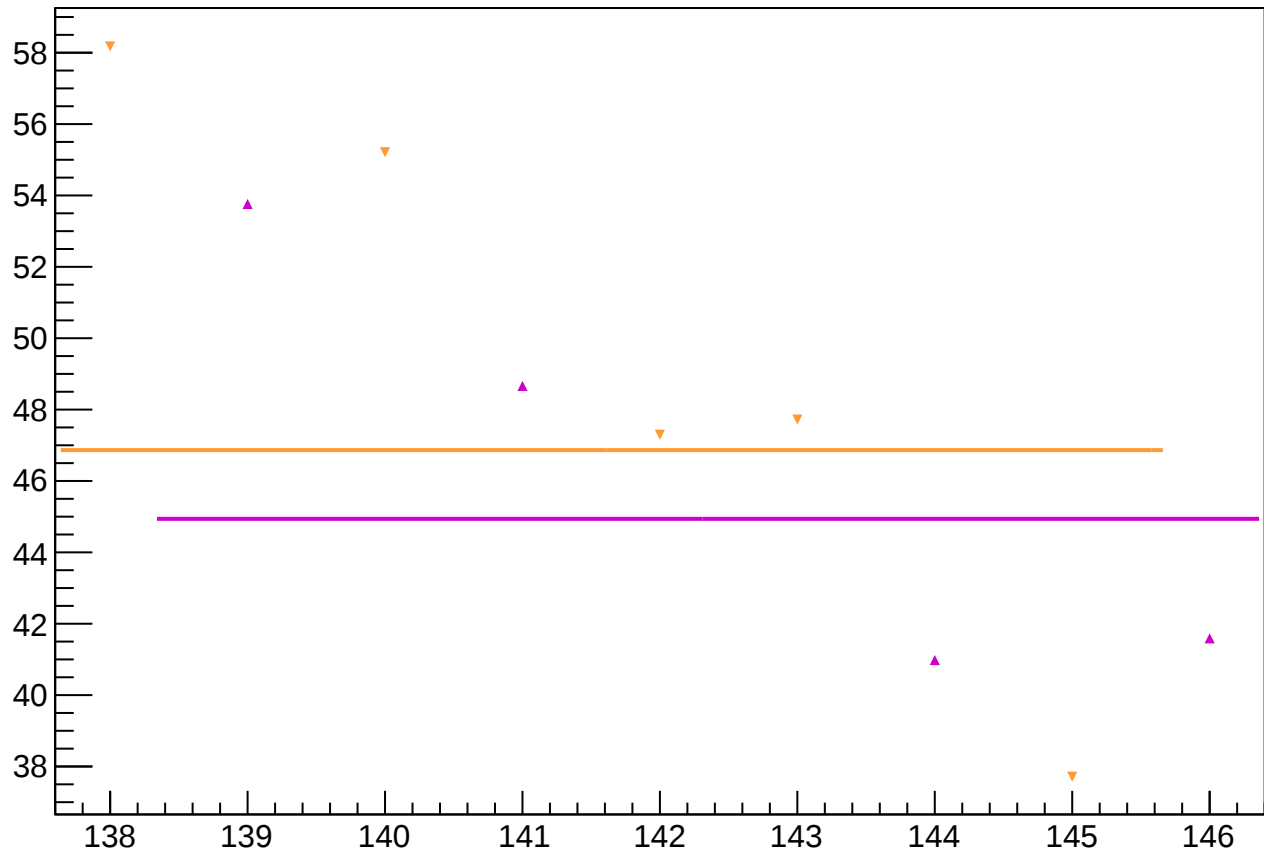
Left In: -7.621+/-25.277 χ^2/NDF : 2.9/3

-51.236+/-25.986 χ^2/NDF : 2.0/4

-28.825+/-18.119 χ^2/NDF : 6.3/8

-7.621+/-25.277 χ^2/NDF : 2.9/3

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 46.864+/-0.018 χ^2/NDF : 180717.1/4

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

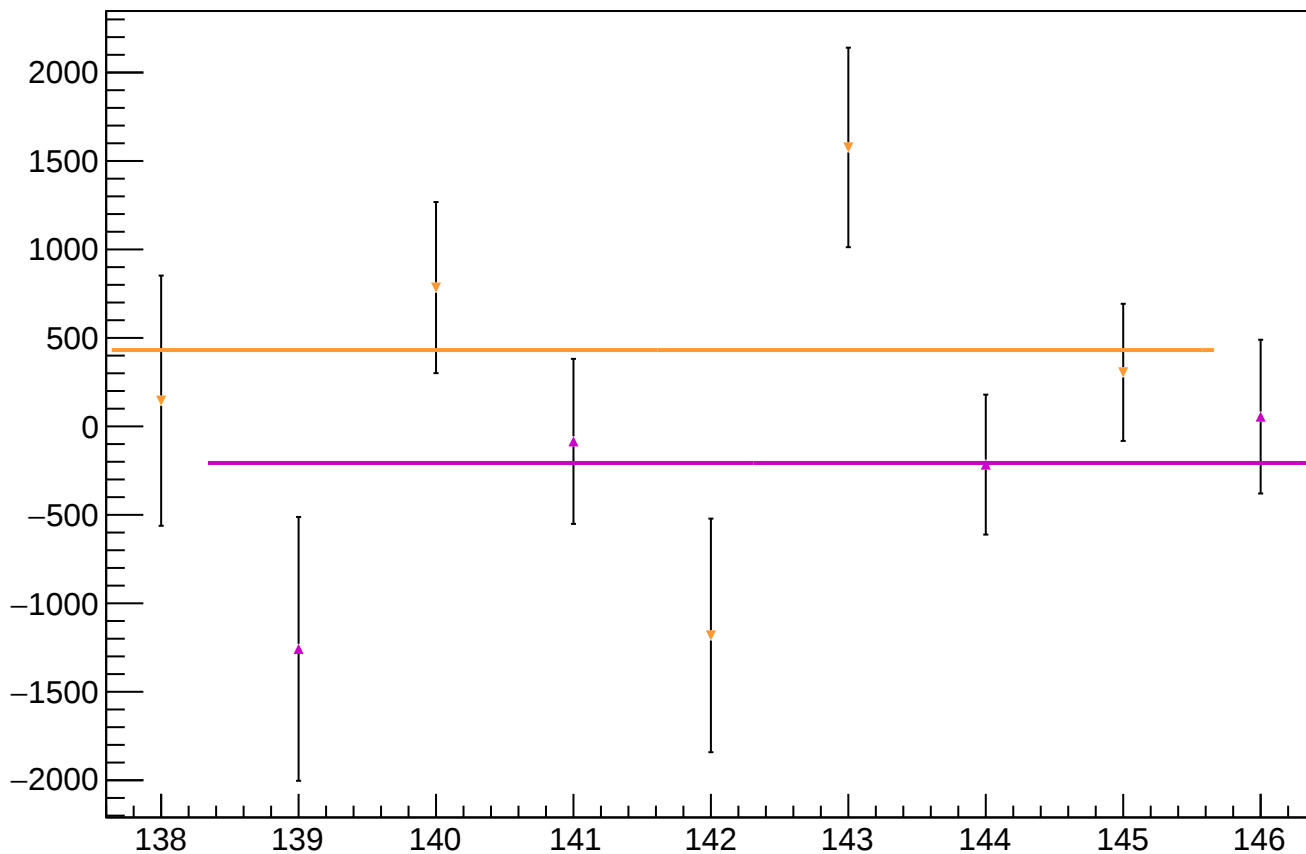
Left In: 44.939+/-0.018 χ^2/NDF : 74679.0/3

46.864+/-0.018 χ^2/NDF : 180717.1/4

45.875+/-0.013 χ^2/NDF : 261032.8/8

44.939+/-0.018 χ^2/NDF : 74679.0/3

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 431.357+/-233.263 χ^2/NDF : 10.9/4

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

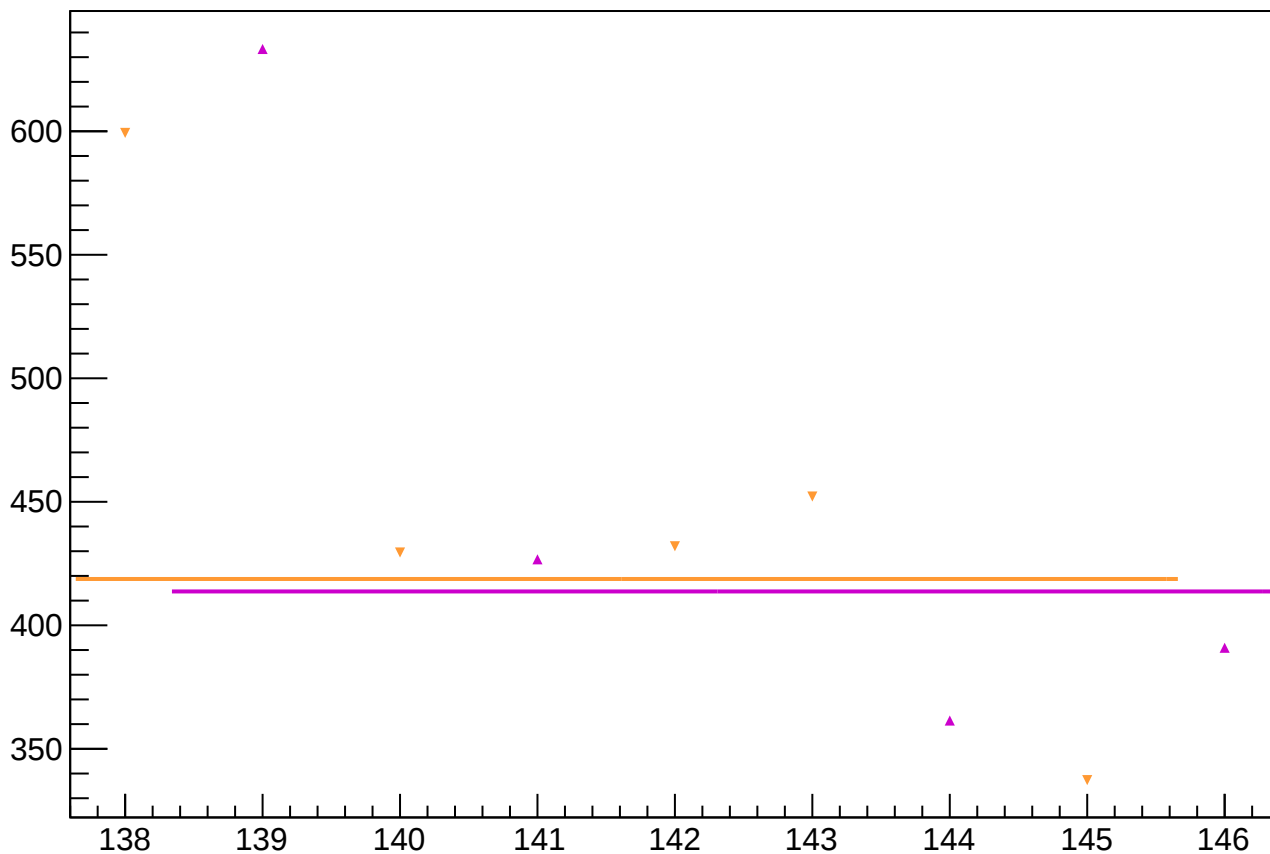
Left In: -206.779+/-235.144 χ^2/NDF : 2.4/3

431.357+/-233.263 χ^2/NDF : 10.9/4

114.852+/-165.603 χ^2/NDF : 17.0/8

-206.779+/-235.144 χ^2/NDF : 2.4/3

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 418.760+/-0.165 χ^2/NDF : 227556.6/4

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

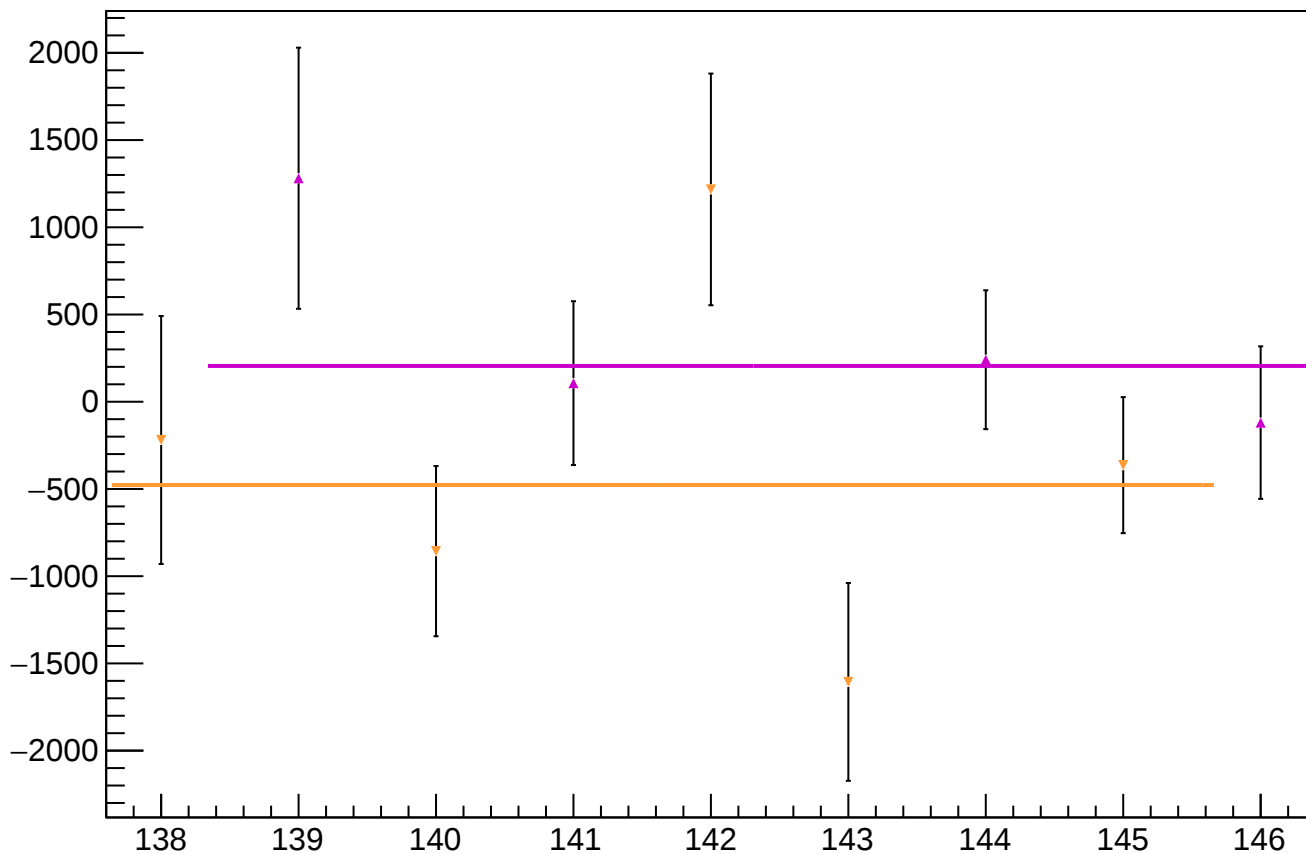
Left In: 413.711+/-0.166 χ^2/NDF : 215464.0/3

418.760+/-0.165 χ^2/NDF : 227556.6/4

416.256+/-0.117 χ^2/NDF : 443485.3/8

413.711+/-0.166 χ^2/NDF : 215464.0/3

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -477.423+/-234.795 χ^2/NDF : 11.3/4

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

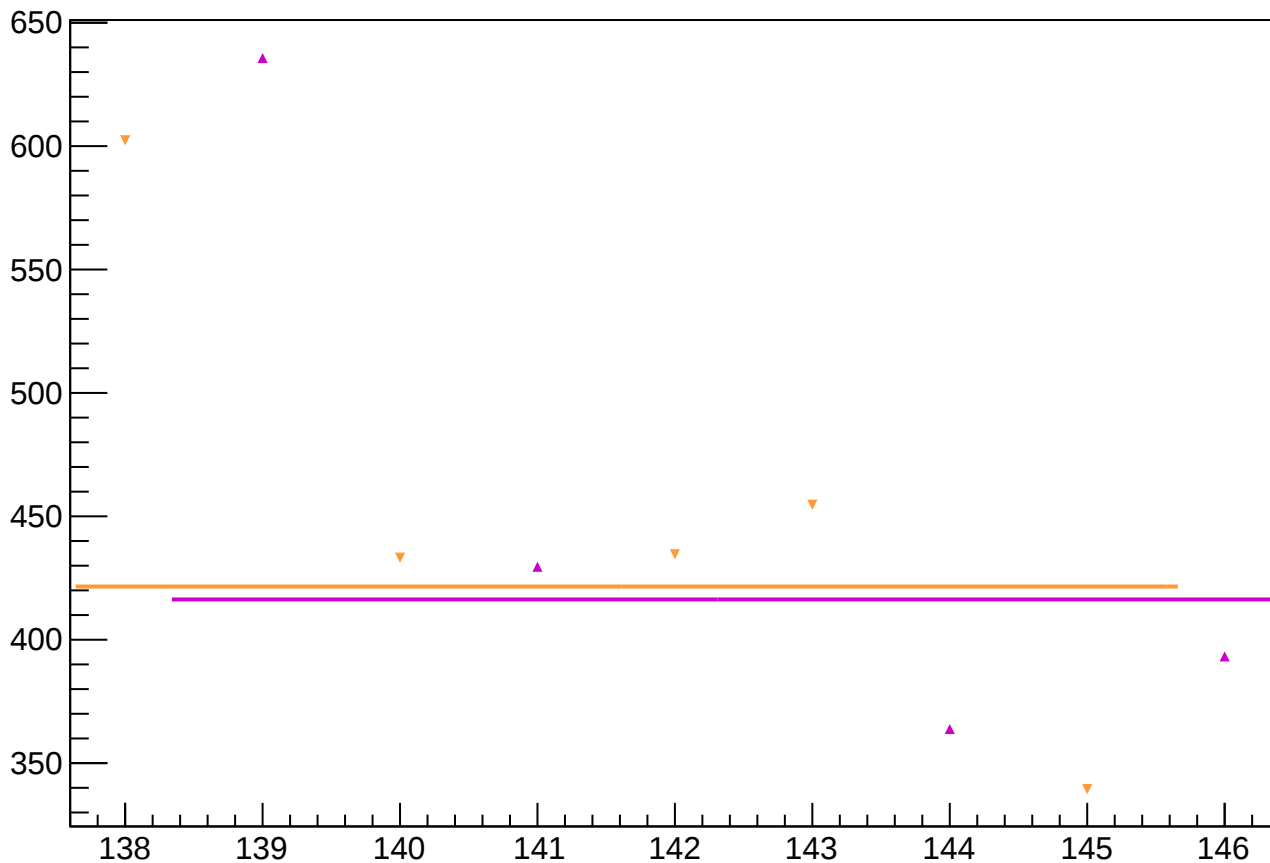
Left In: 205.174+/-236.585 χ^2/NDF : 2.7/3

-477.423+/-234.795 χ^2/NDF : 11.3/4

-138.716+/-166.654 χ^2/NDF : 18.2/8

205.174+/-236.585 χ^2/NDF : 2.7/3

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 421.556+/-0.166 χ^2/NDF : 226859.4/4

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

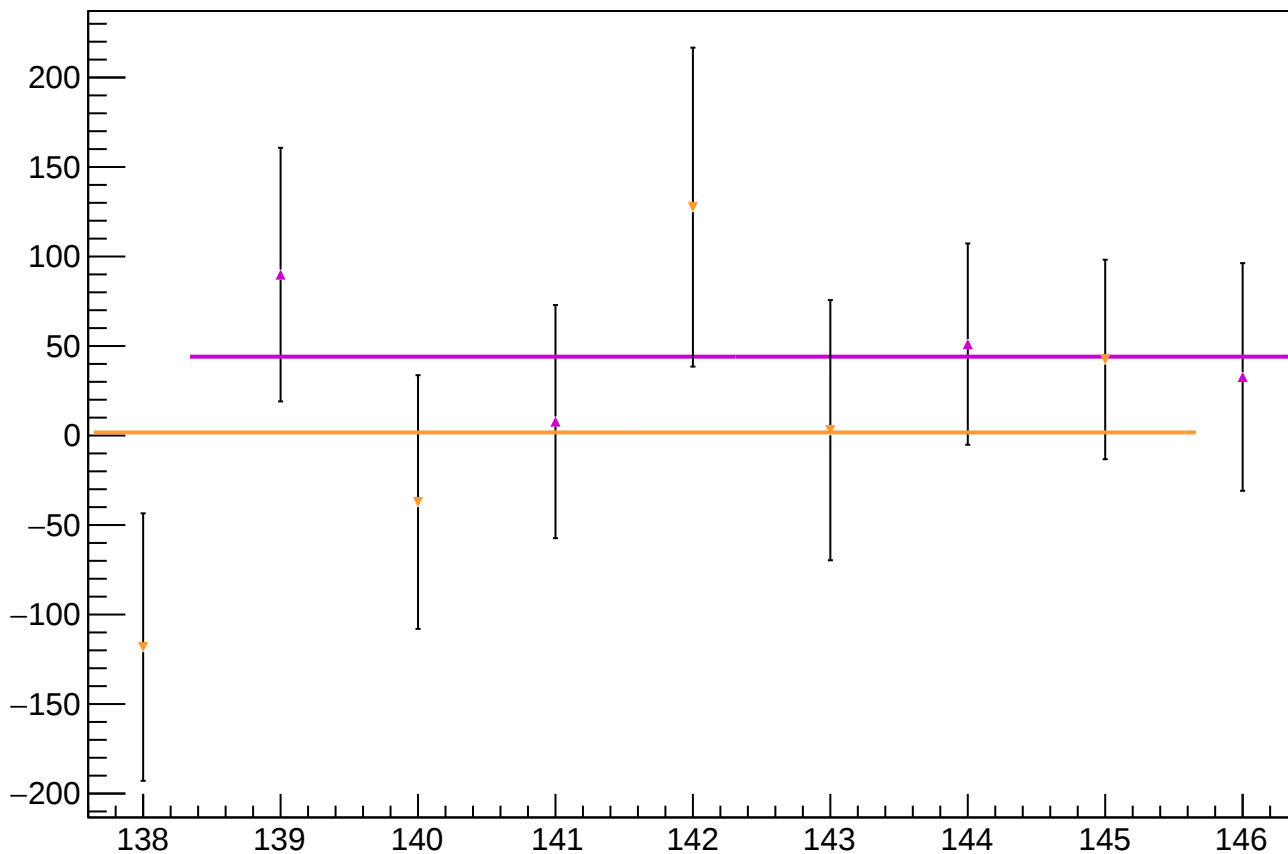
Left In: 416.315+/-0.167 χ^2/NDF : 213798.3/3

421.556+/-0.166 χ^2/NDF : 226859.4/4

418.955+/-0.118 χ^2/NDF : 441152.1/8

416.315+/-0.167 χ^2/NDF : 213798.3/3

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 1.722+/-31.377 χ^2/NDF : 5.4/4

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

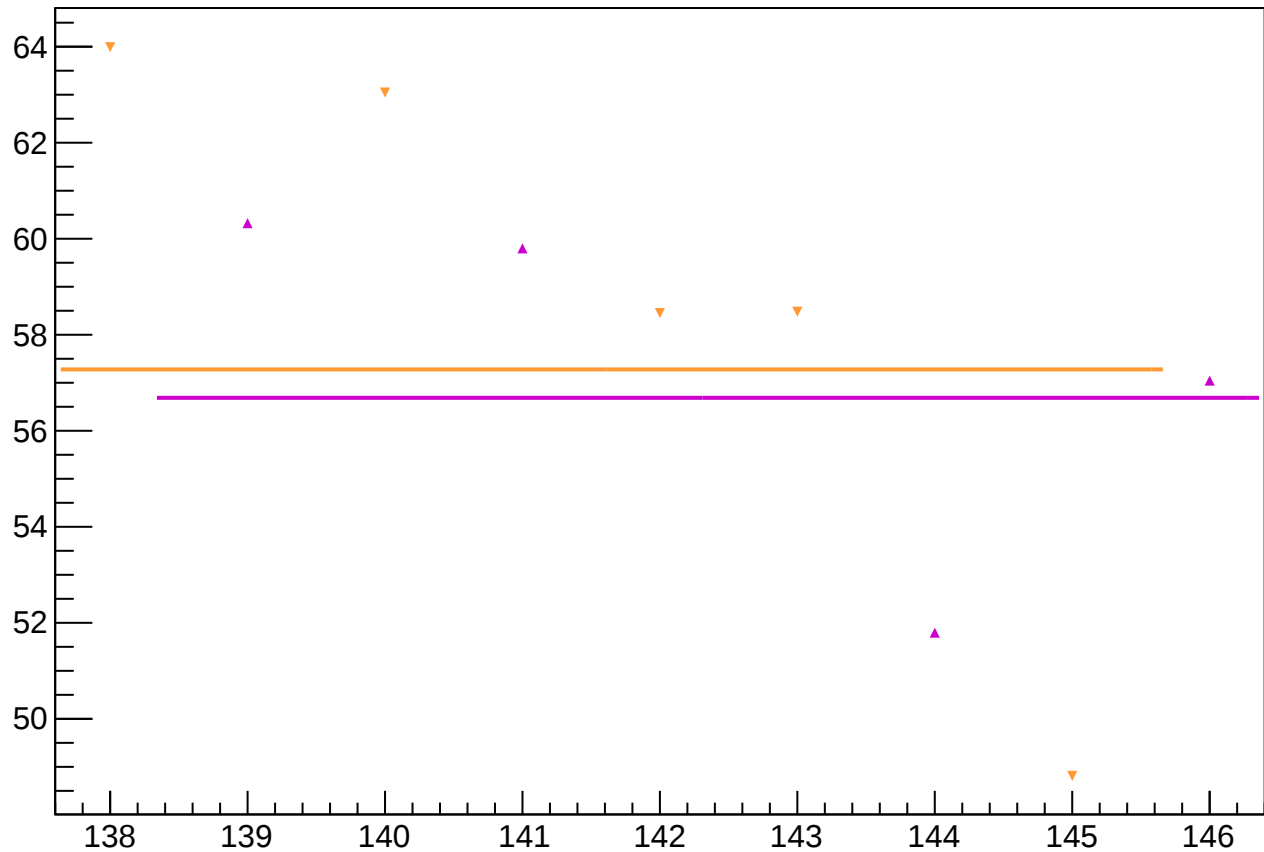
Left In: 44.052+/-31.647 χ^2/NDF : 0.8/3

1.722+/-31.377 χ^2/NDF : 5.4/4

22.706+/-22.281 χ^2/NDF : 7.1/8

44.052+/-31.647 χ^2/NDF : 0.8/3

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 57.278+/-0.022 χ^2/NDF : 76450.4/4

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

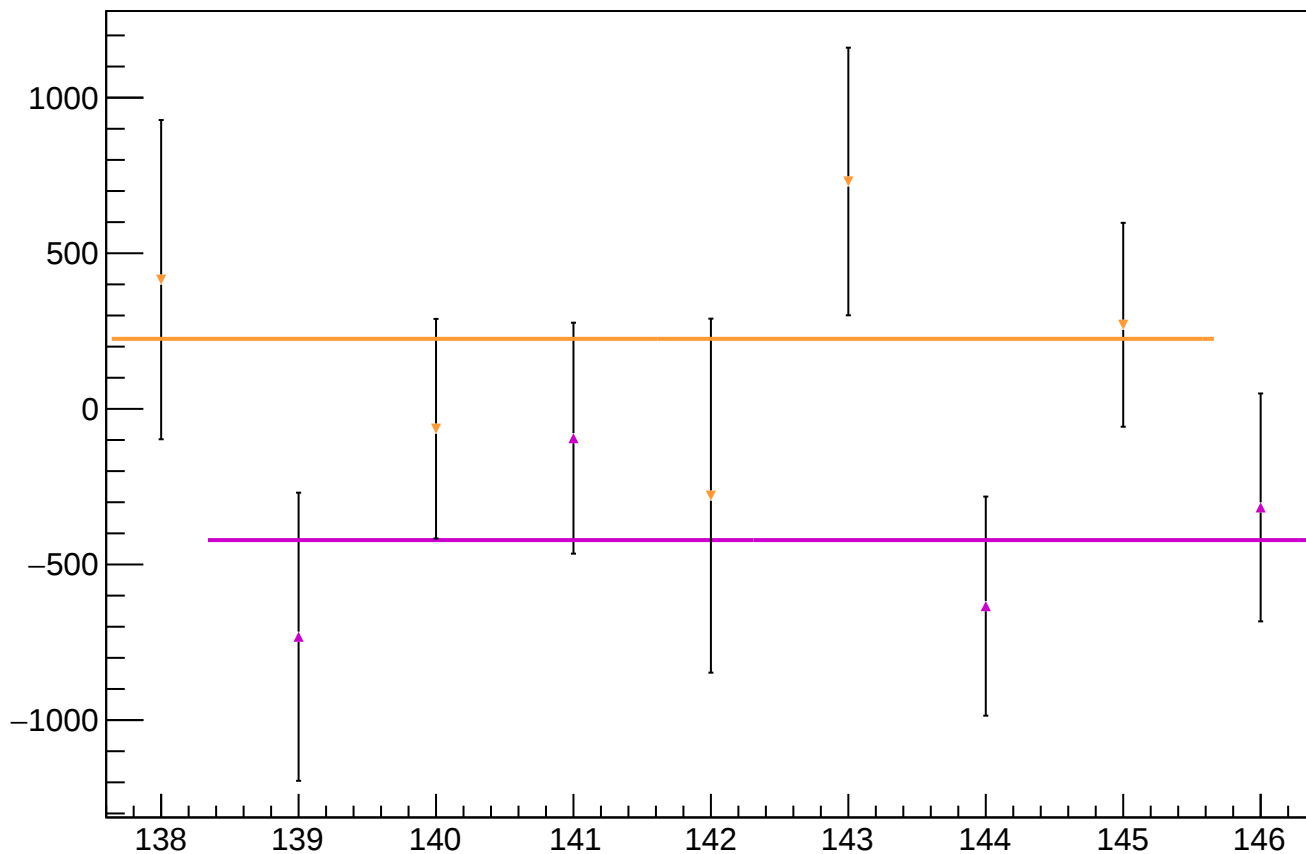
Left In: 56.687+/-0.022 χ^2/NDF : 25038.2/3

57.278+/-0.022 χ^2/NDF : 76450.4/4

56.985+/-0.016 χ^2/NDF : 101840.7/8

56.687+/-0.022 χ^2/NDF : 25038.2/3

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 225.073+/-183.624 χ^2/NDF : 3.0/4

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

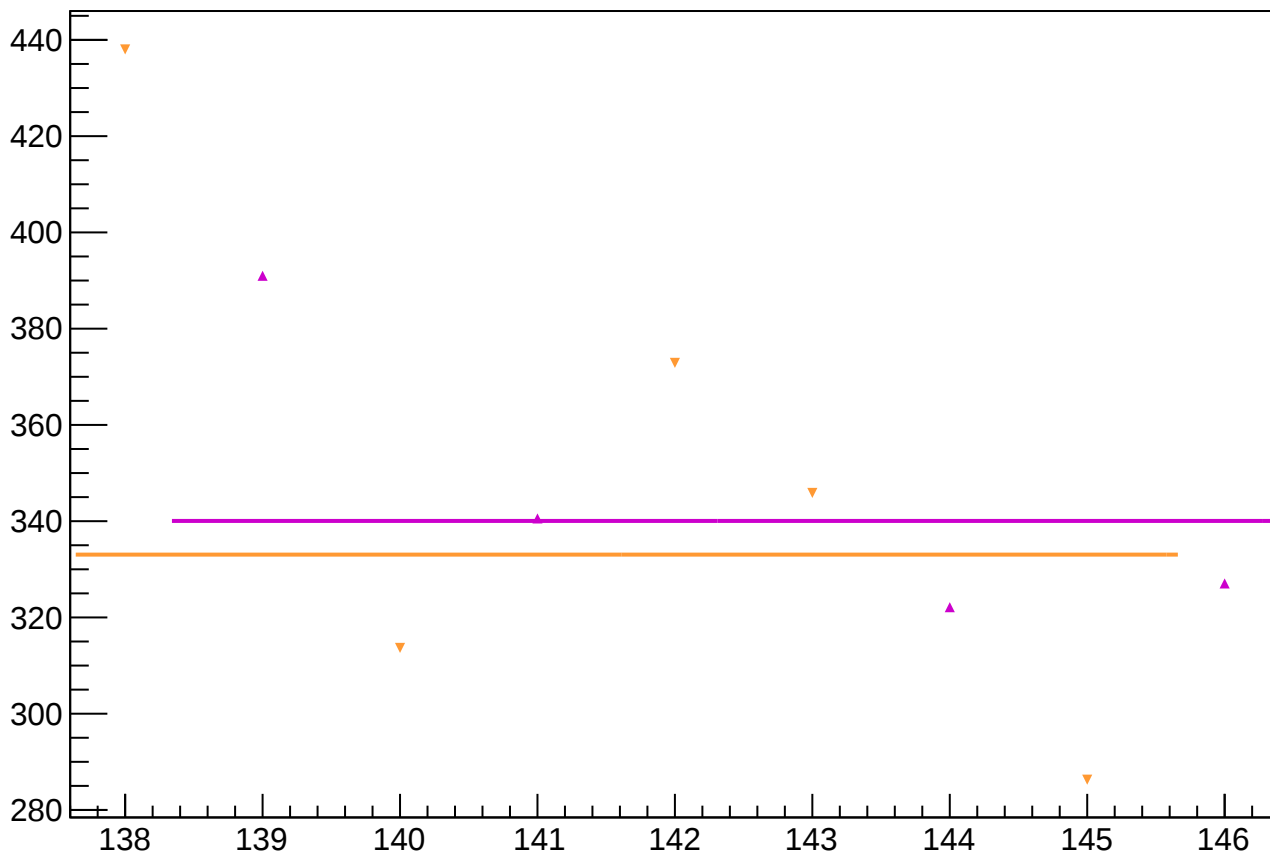
Left In: -421.641+/-190.828 χ^2/NDF : 1.7/3

225.073+/-183.624 χ^2/NDF : 3.0/4

-85.847+/-132.315 χ^2/NDF : 10.6/8

-421.641+/-190.828 χ^2/NDF : 1.7/3

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 333.054+/-0.130 χ^2/NDF :142163.7/4

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

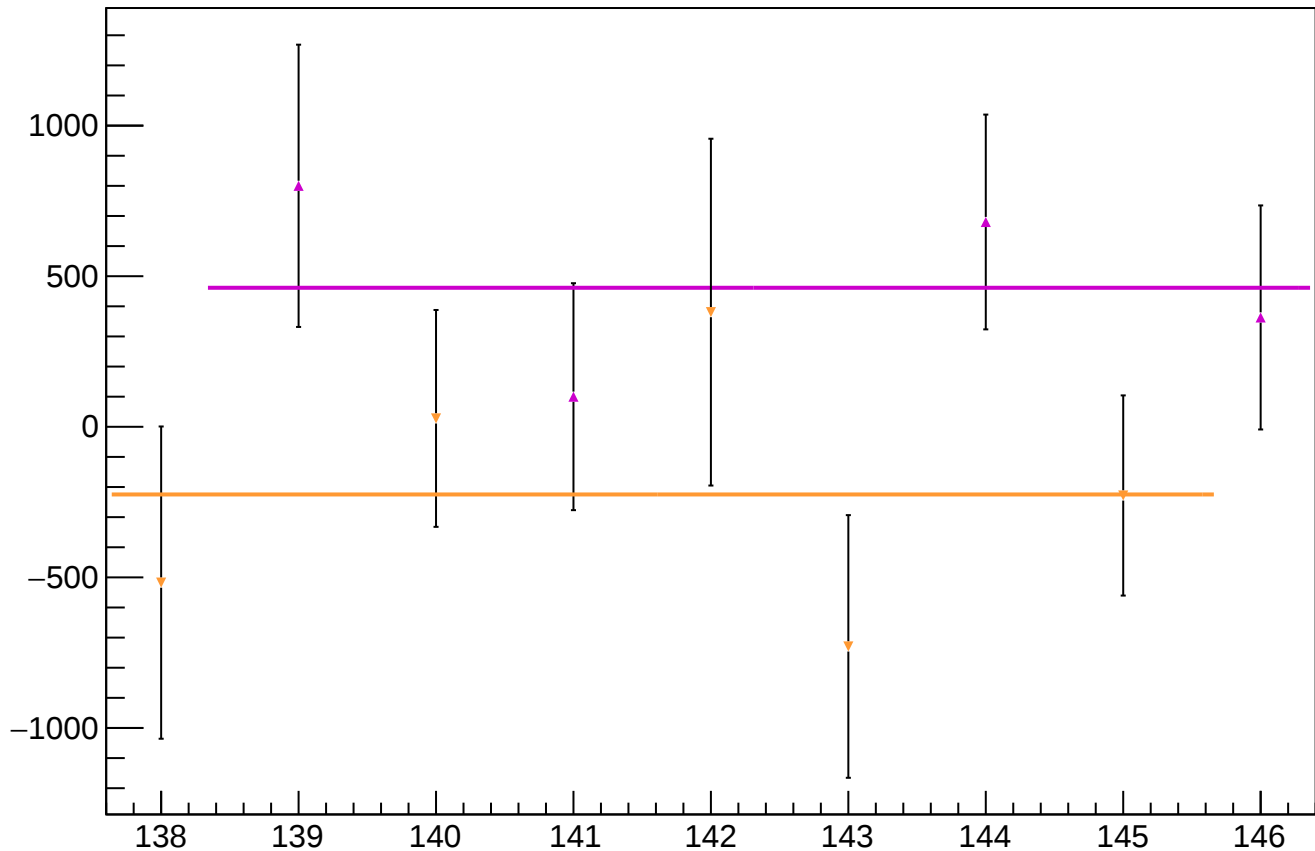
Left In: 340.052+/-0.135 χ^2/NDF :31924.5/3

333.054+/-0.130 χ^2/NDF : 142163.7/4

336.418+/-0.094 χ^2/NDF : 175484.7/8

340.052+/-0.135 χ^2/NDF : 31924.5/3

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -224.670 $\pm$ 186.455 χ^2/NDF : 3.3/4

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

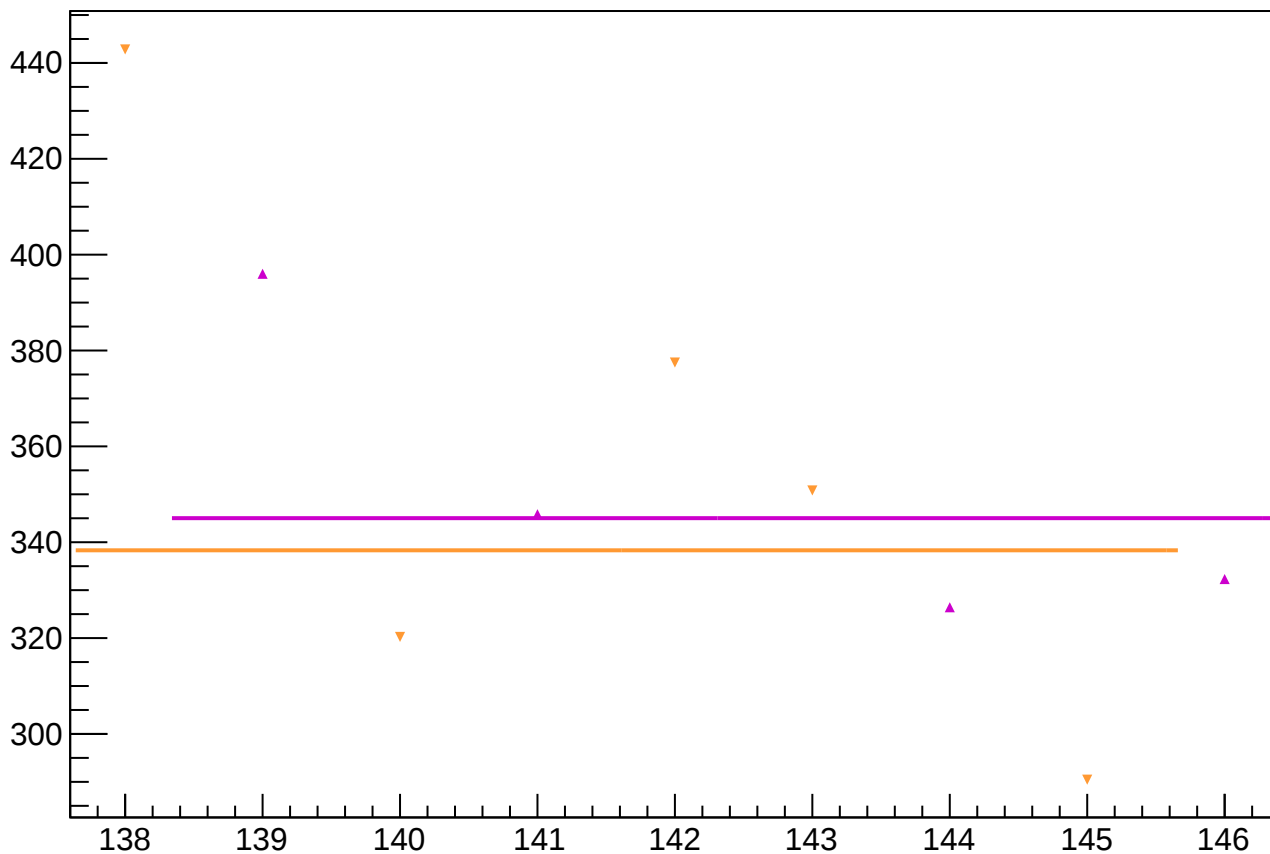
Left In: 461.606 $\pm$ 193.564 χ^2/NDF : 1.9/3

-224.670 $\pm$ 186.455 χ^2/NDF : 3.3/4

105.635 $\pm$ 134.286 χ^2/NDF : 11.7/8

461.606 $\pm$ 193.564 χ^2/NDF : 1.9/3

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 338.314+/-0.132 χ^2/NDF : 138688.6/4

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

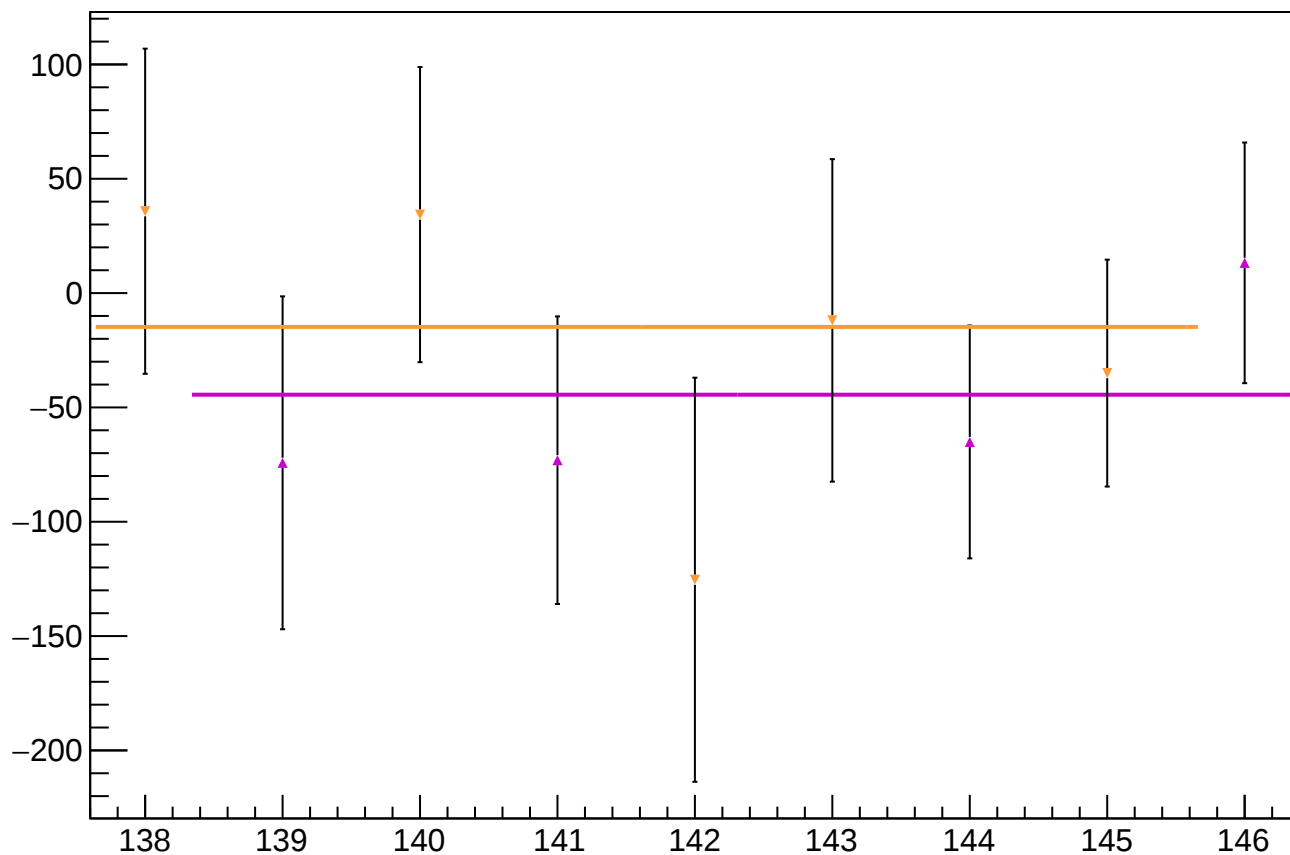
Left In: 345.022+/-0.137 χ^2/NDF : 31454.0/3

338.314+/-0.132 χ^2/NDF : 138688.6/4

341.543+/-0.095 χ^2/NDF : 171388.3/8

345.022+/-0.137 χ^2/NDF : 31454.0/3

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -14.784+/-29.196 χ^2/NDF : 2.8/4

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

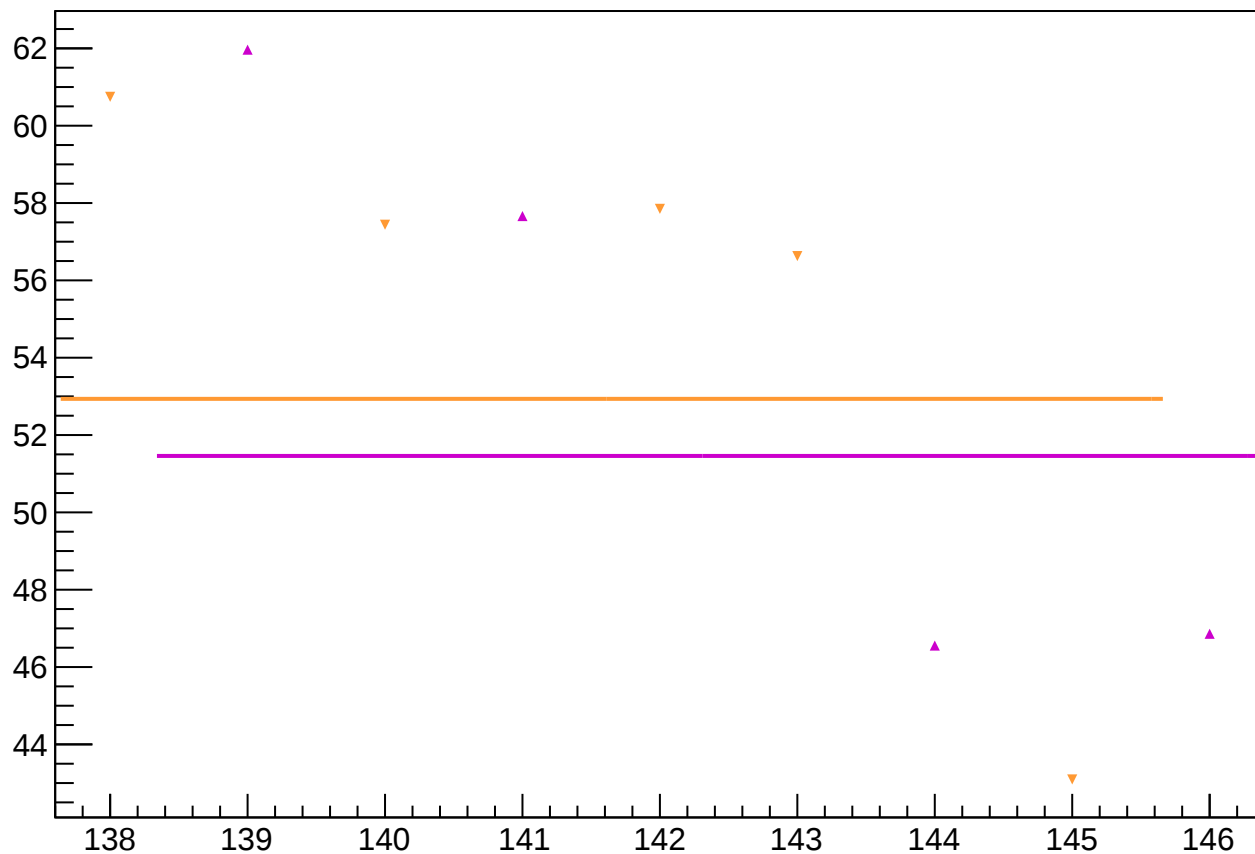
Left In: -44.440+/-29.010 χ^2/NDF : 1.7/3

-14.784+/-29.196 χ^2/NDF : 2.8/4

-29.707+/-20.578 χ^2/NDF : 5.1/8

-44.440+/-29.010 χ^2/NDF : 1.7/3

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 52.936+/-0.021 χ^2/NDF : 124240.4/4

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

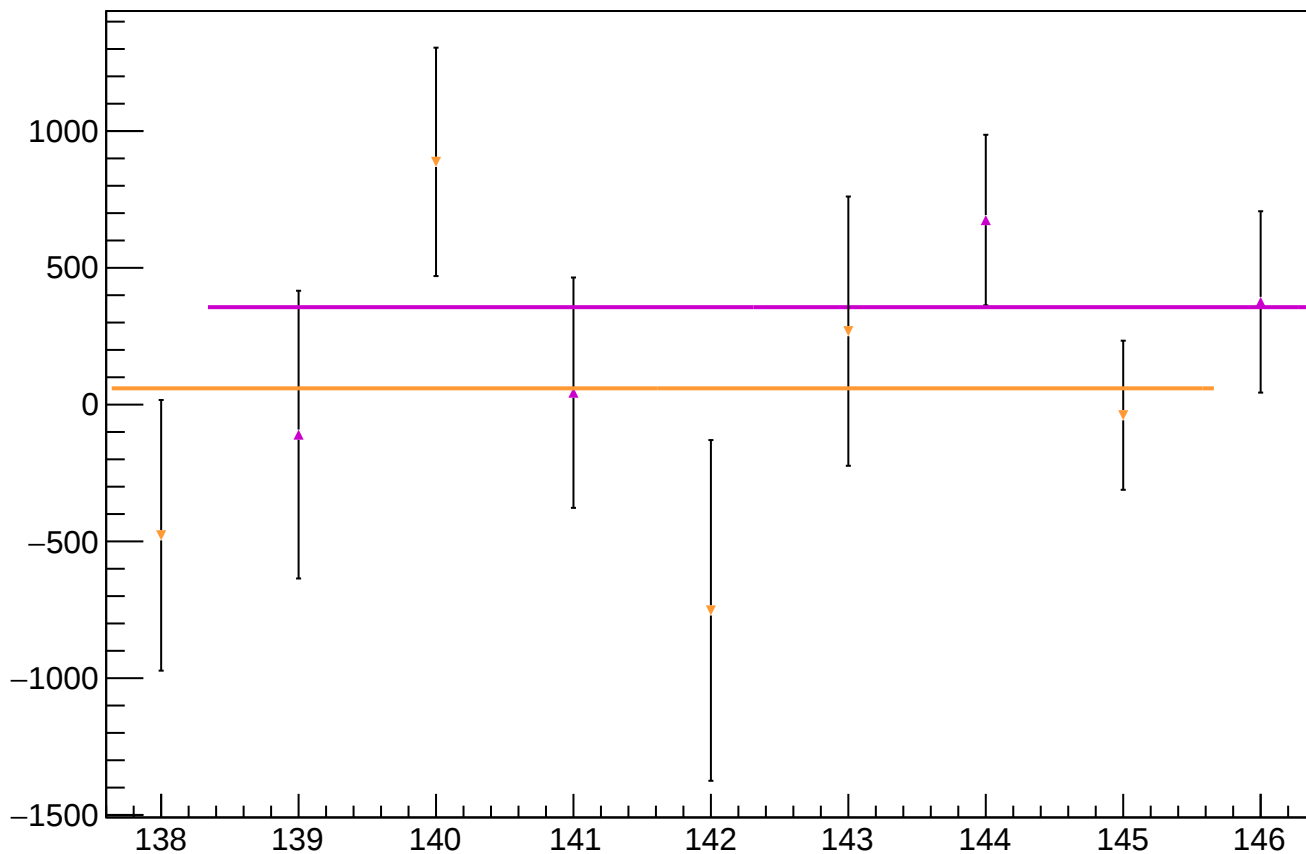
Left In: 51.460+/-0.021 χ^2/NDF : 94950.8/3

52.936+/-0.021 χ^2/NDF : 124240.4/4

52.193+/-0.015 χ^2/NDF : 221764.2/8

51.460+/-0.021 χ^2/NDF : 94950.8/3

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 59.542 $\pm$ 182.584 χ^2 /NDF: 7.1/4

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

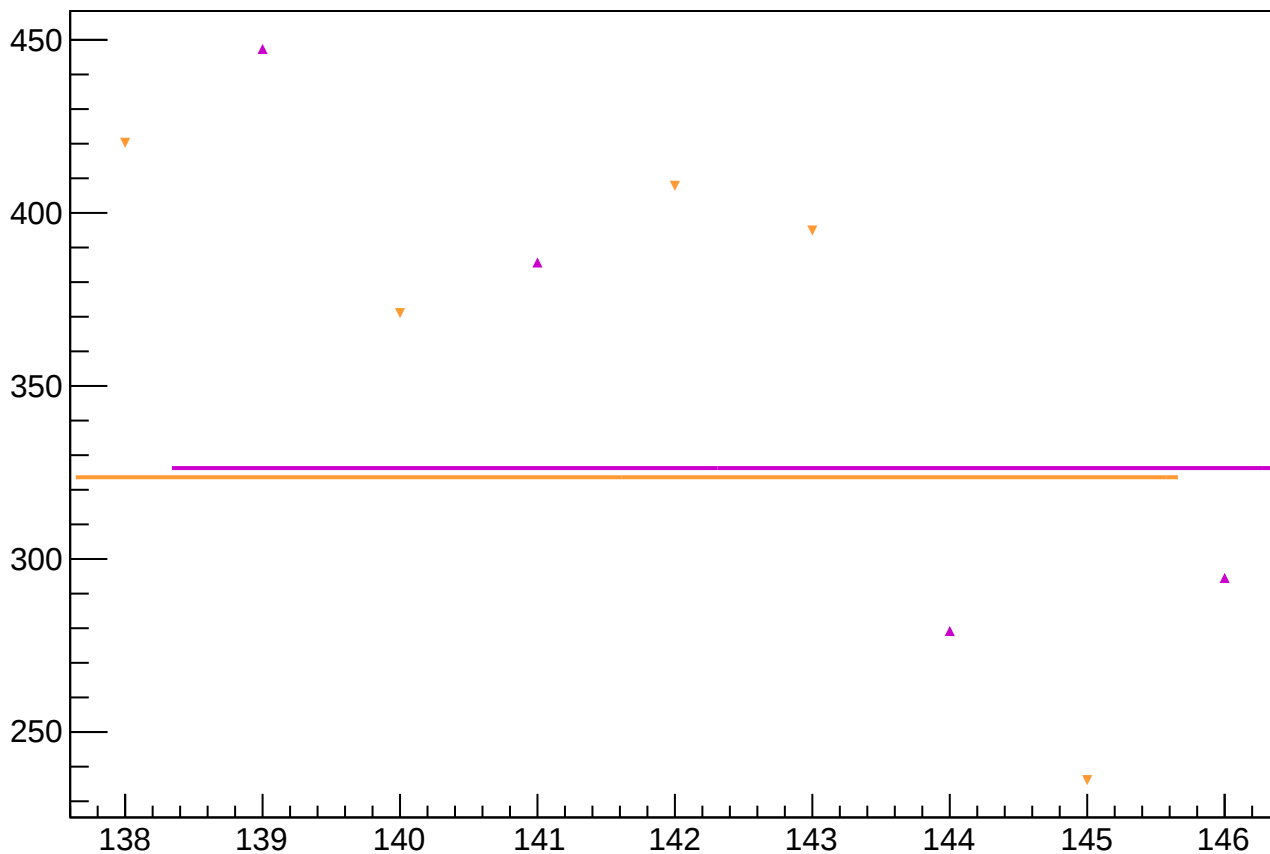
Left In: 356.269 $\pm$ 186.862 χ^2 /NDF: 2.4/3

59.542 $\pm$ 182.584 χ^2 /NDF: 7.1/4

204.470 $\pm$ 130.593 χ^2 /NDF: 10.8/8

356.269 $\pm$ 186.862 χ^2 /NDF: 2.4/3

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 323.621+/-0.129 χ^2/NDF : 386894.3/4

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

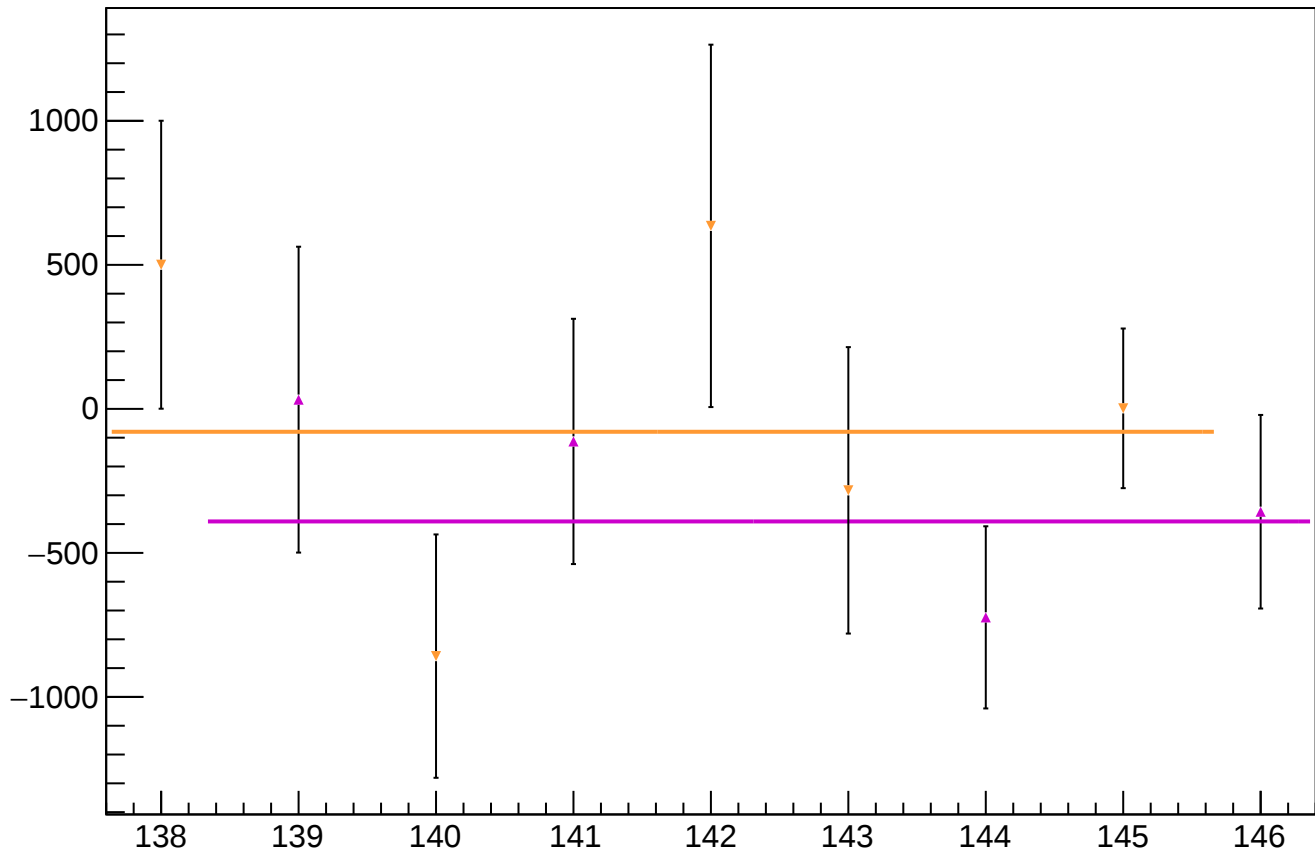
Left In: 326.274+/-0.132 χ^2/NDF : 209774.4/3

323.621+/-0.129 χ^2/NDF : 386894.3/4

324.917+/-0.092 χ^2/NDF : 596874.9/8

326.274+/-0.132 χ^2/NDF : 209774.4/3

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -79.470+/-185.061 χ^2/NDF : 6.3/4

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

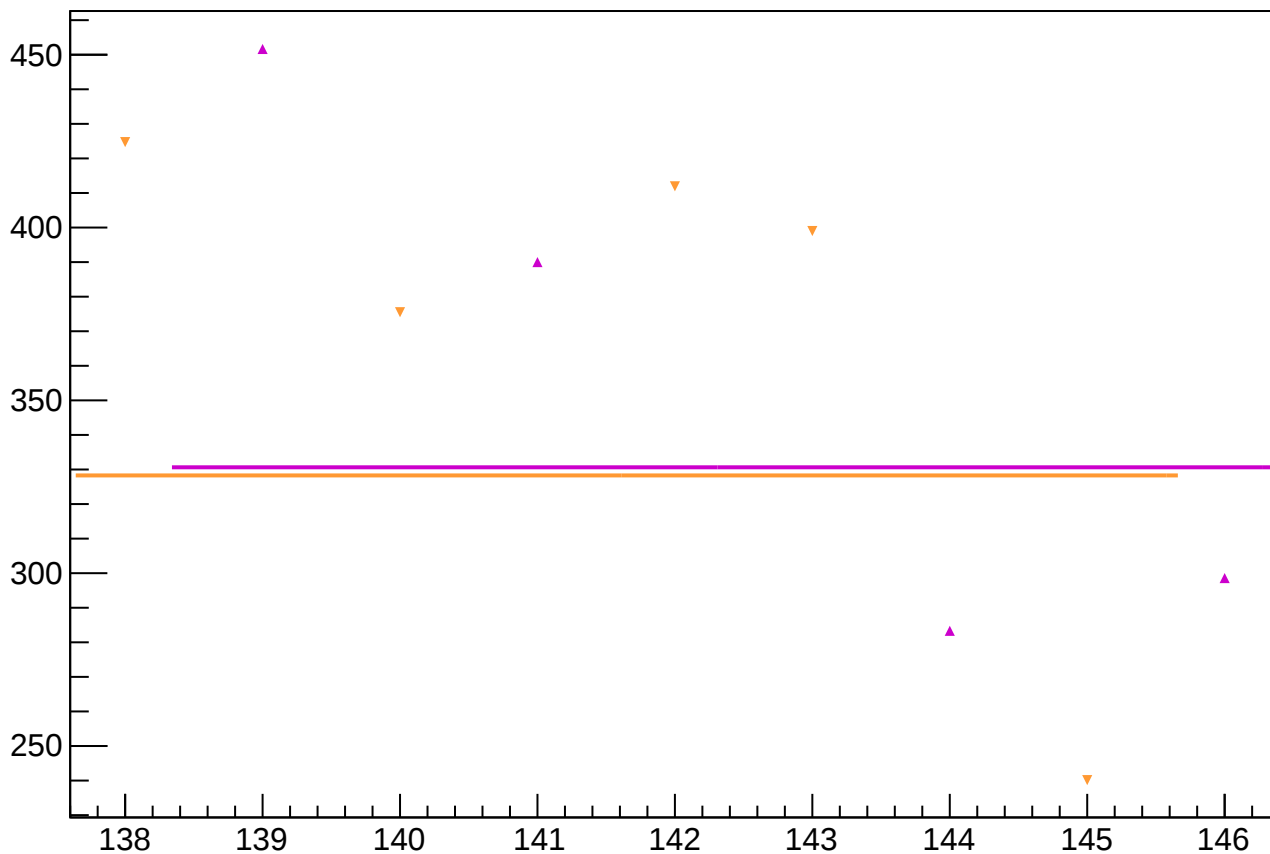
Left In: -390.768+/-189.251 χ^2/NDF : 2.2/3

-79.470+/-185.061 χ^2/NDF : 6.3/4

-231.635+/-132.315 χ^2/NDF : 9.9/8

-390.768+/-189.251 χ^2/NDF : 2.2/3

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 328.284+/-0.131 χ^2/NDF : 377621.5/4

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

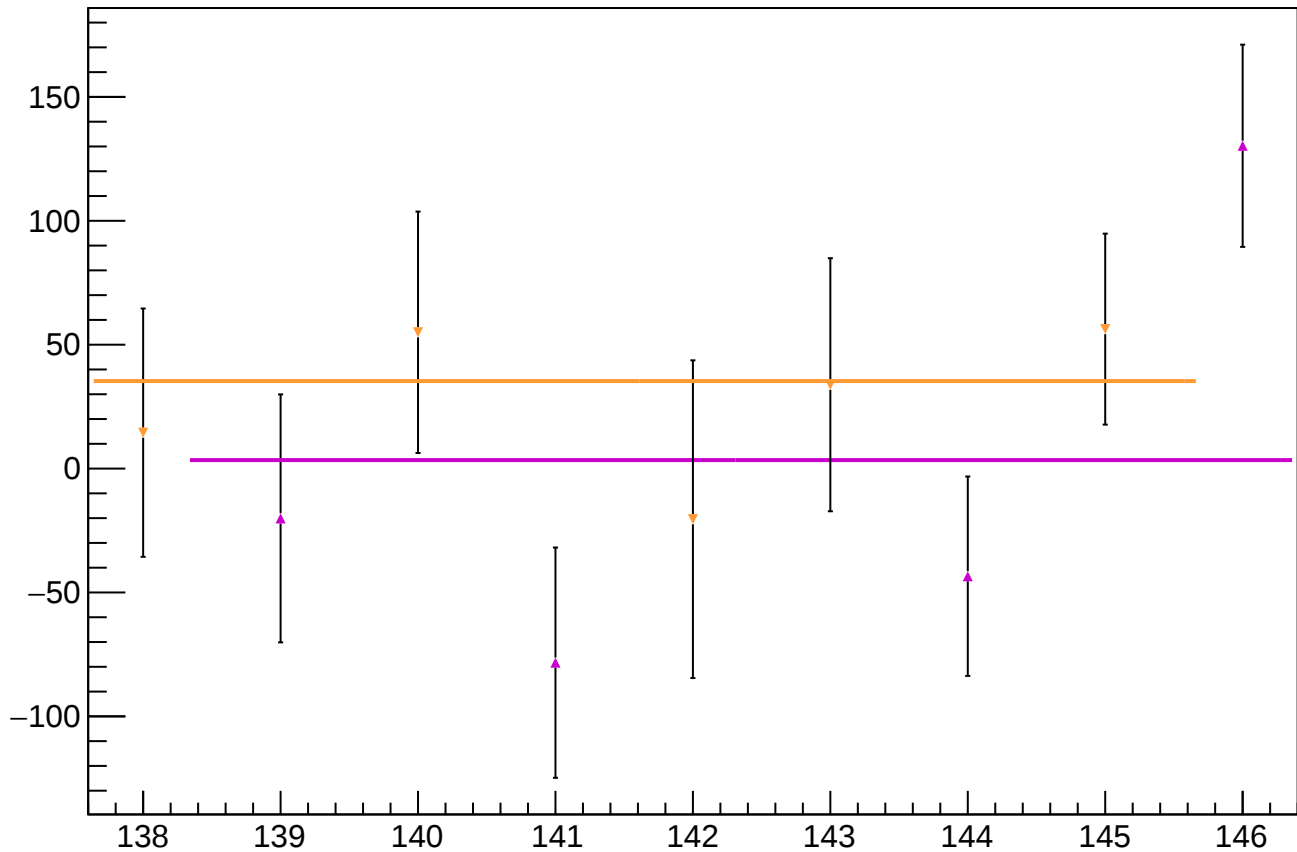
Left In: 330.634+/-0.134 χ^2/NDF : 205768.2/3

328.284+/-0.131 χ^2/NDF : 377621.5/4

329.433+/-0.094 χ^2/NDF : 583547.3/8

330.634+/-0.134 χ^2/NDF : 205768.2/3

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 35.314+/-21.721 χ^2/NDF : 1.4/4

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

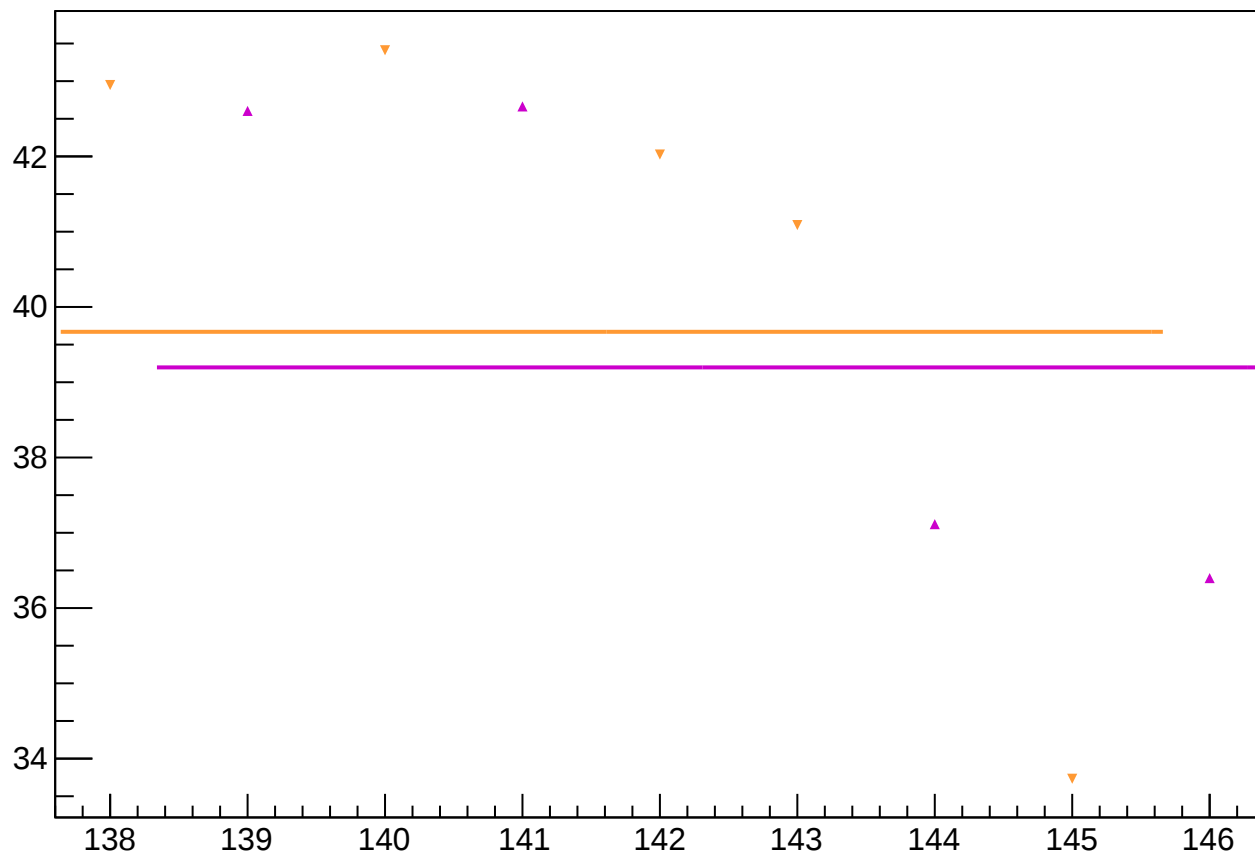
Left In: 3.430+/-21.923 χ^2/NDF : 14.3/3

35.314+/-21.721 χ^2/NDF : 1.4/4

19.520+/-15.430 χ^2/NDF : 16.8/8

3.430+/-21.923 χ^2/NDF : 14.3/3

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 39.670+/-0.015 χ^2/NDF : 72061.4/4

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

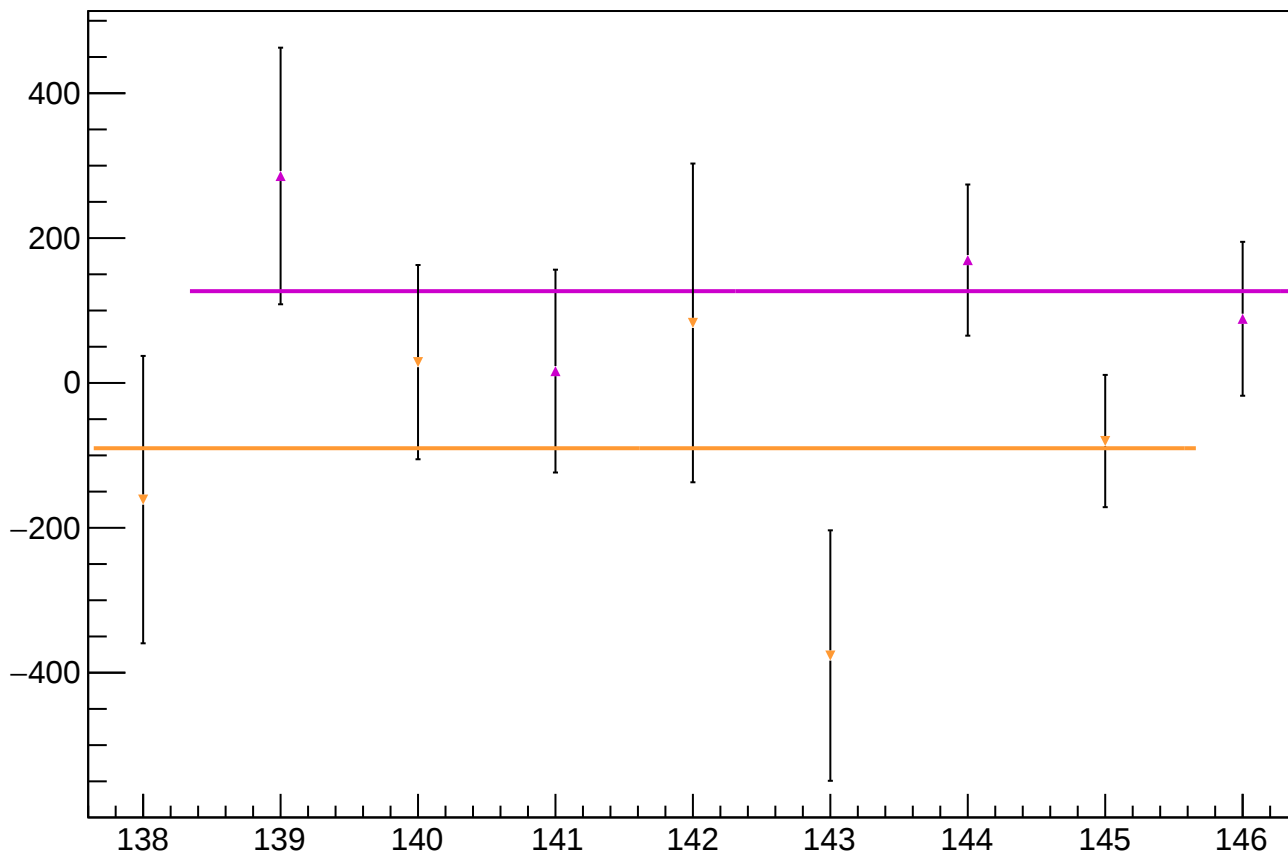
Left In: 39.197+/-0.016 χ^2/NDF : 35175.8/3

39.670+/-0.015 χ^2/NDF : 72061.4/4

39.436+/-0.011 χ^2/NDF : 107706.9/8

39.197+/-0.016 χ^2/NDF : 35175.8/3

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -90.121+/-62.609 χ^2/NDF : 4.3/4

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

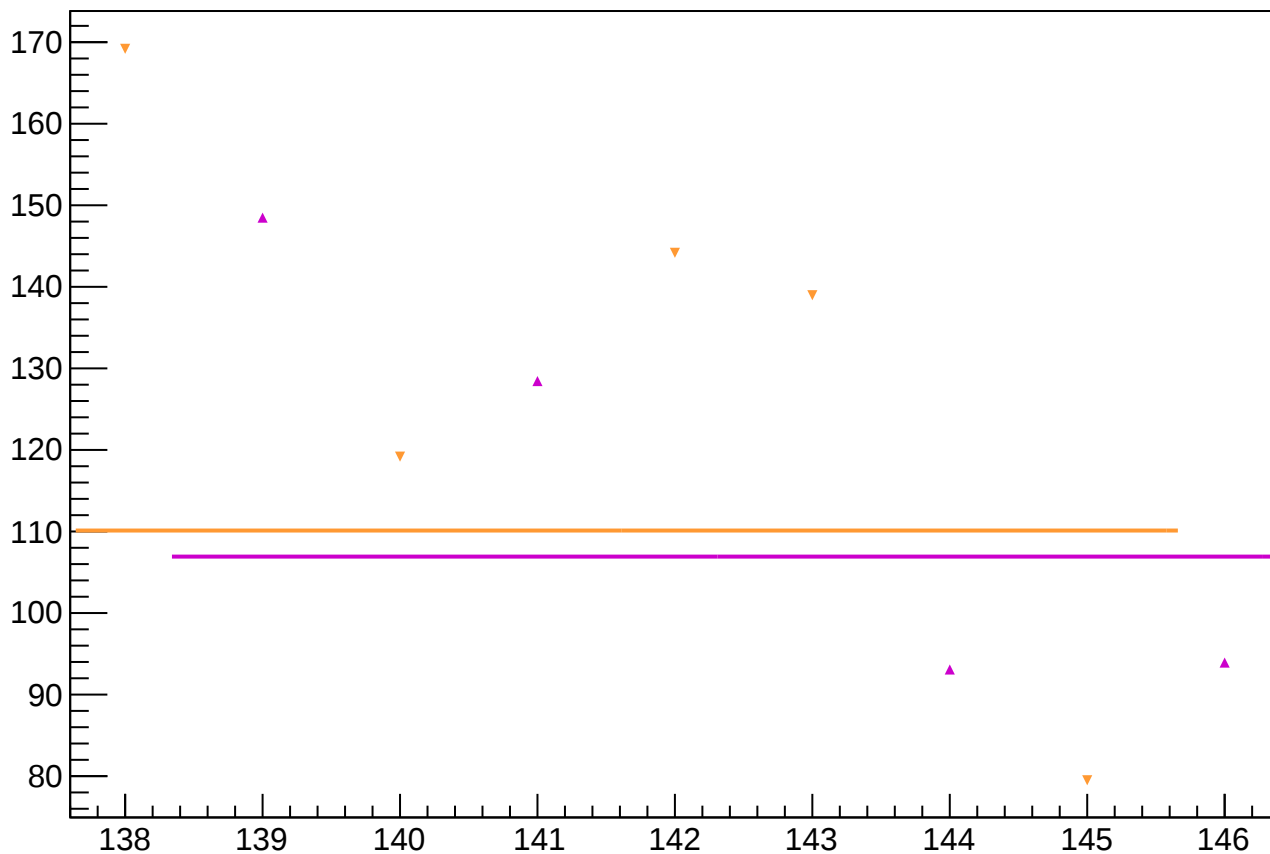
Left In: 126.730+/-61.626 χ^2/NDF : 1.7/3

-90.121+/-62.609 χ^2/NDF : 4.3/4

20.021+/-43.919 χ^2/NDF : 12.1/8

126.730+/-61.626 χ^2/NDF : 1.7/3

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 110.116+/-0.044 χ^2/NDF : 515092.5/4

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

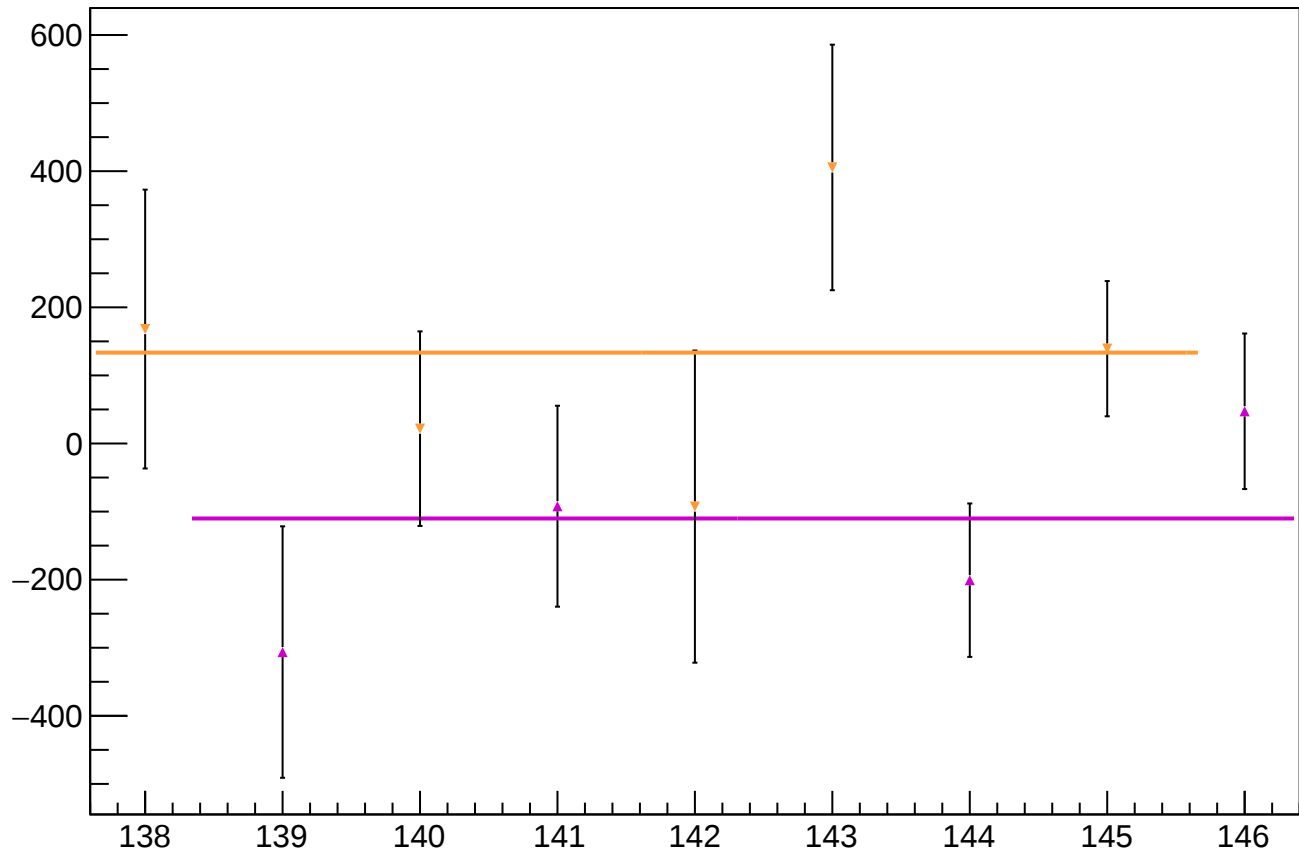
Left In: 106.920+/-0.044 χ^2/NDF : 222506.6/3

110.116+/-0.044 χ^2/NDF : 515092.5/4

108.493+/-0.031 χ^2/NDF : 740246.4/8

106.920+/-0.044 χ^2/NDF : 222506.6/3

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 133.512+/-66.822 χ^2/NDF : 3.9/4

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

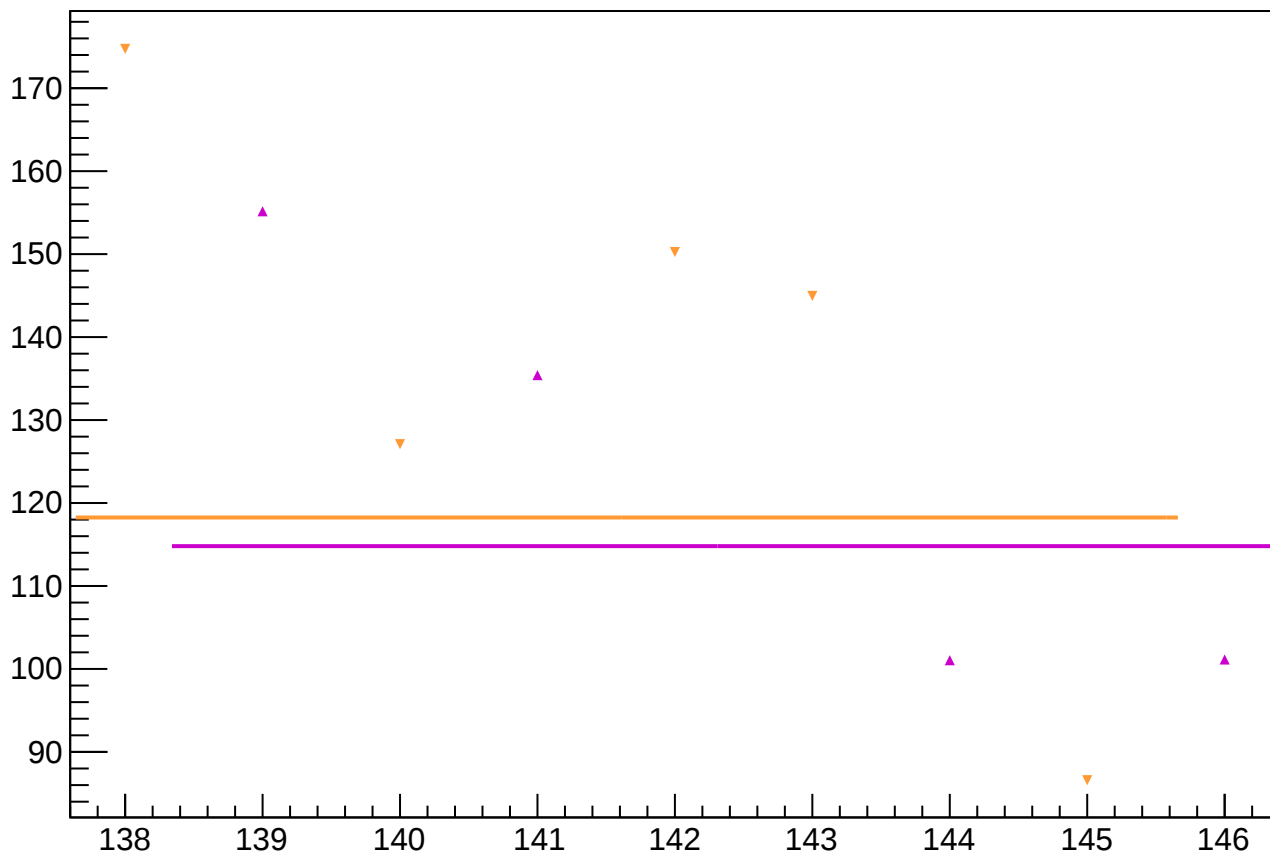
Left In: -110.132+/-65.852 χ^2/NDF : 3.7/3

133.512+/-66.822 χ^2/NDF : 3.9/4

9.909+/-46.903 χ^2/NDF : 14.3/8

-110.132+/-65.852 χ^2/NDF : 3.7/3

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 118.255+/-0.047 χ^2/NDF : 445934.2/4

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

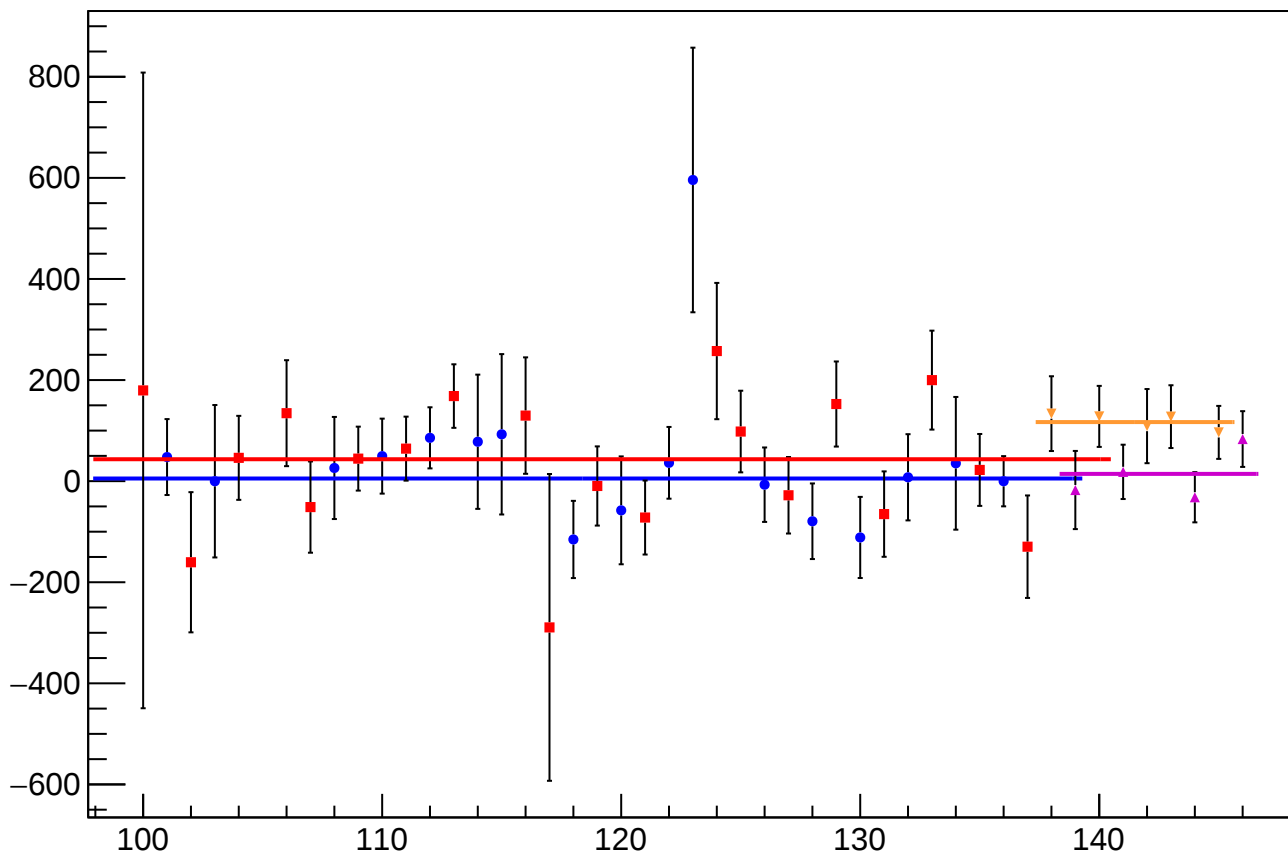
Left In: 114.801+/-0.047 χ^2/NDF : 192919.9/3

118.255+/-0.047 χ^2/NDF : 445934.2/4

116.503+/-0.033 χ^2/NDF : 641563.8/8

114.801+/-0.047 χ^2/NDF : 192919.9/3

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 $\pm$ 20.150 χ^2 /NDF: 14.7/16

Left Out: 116.877 $\pm$ 28.102 χ^2 /NDF: 0.3/4

Right Out: 43.354 $\pm$ 19.371 χ^2 /NDF: 25.6/19

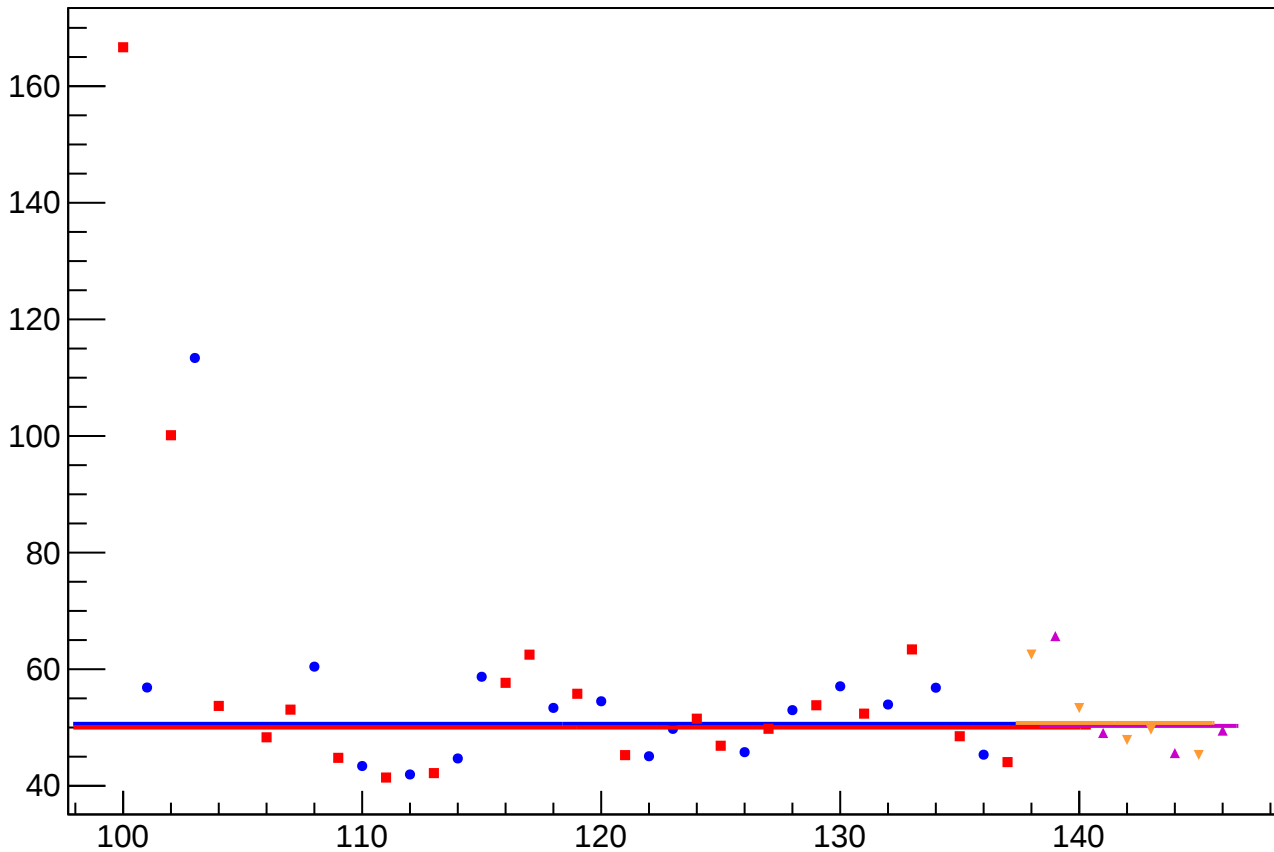
Left In: 14.365 $\pm$ 28.309 χ^2 /NDF: 2.6/3

43.135 $\pm$ 16.376 χ^2 /NDF: 25.4/21

38.514 $\pm$ 11.439 χ^2 /NDF: 54.5/45

34.109 $\pm$ 15.986 χ^2 /NDF: 28.9/23

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 50.786 $\pm$ 0.020 χ^2 /NDF: 79667.3/4

Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

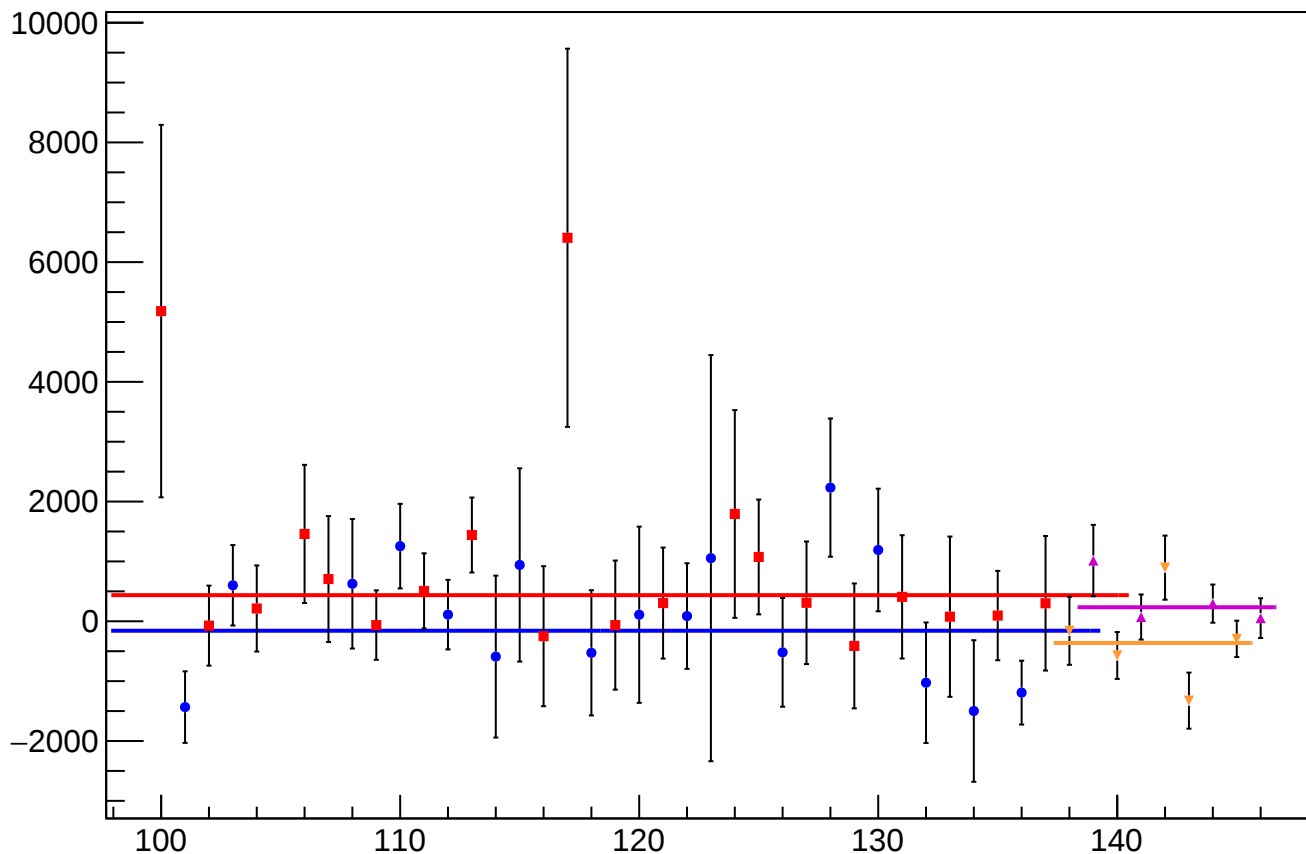
Left In: 50.280 $\pm$ 0.020 χ^2 /NDF: 98381.4/3

50.686 $\pm$ 0.012 χ^2 /NDF: 599392.9/21

50.379 $\pm$ 0.008 χ^2 /NDF: 1203191.4/45

50.085 $\pm$ 0.011 χ^2 /NDF: 602418.9/23

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -362.245 $\pm$ 187.353 χ^2 /NDF:10.2/4

Right Out: 436.410 $\pm$ 203.212 χ^2 /NDF: 13.4/19

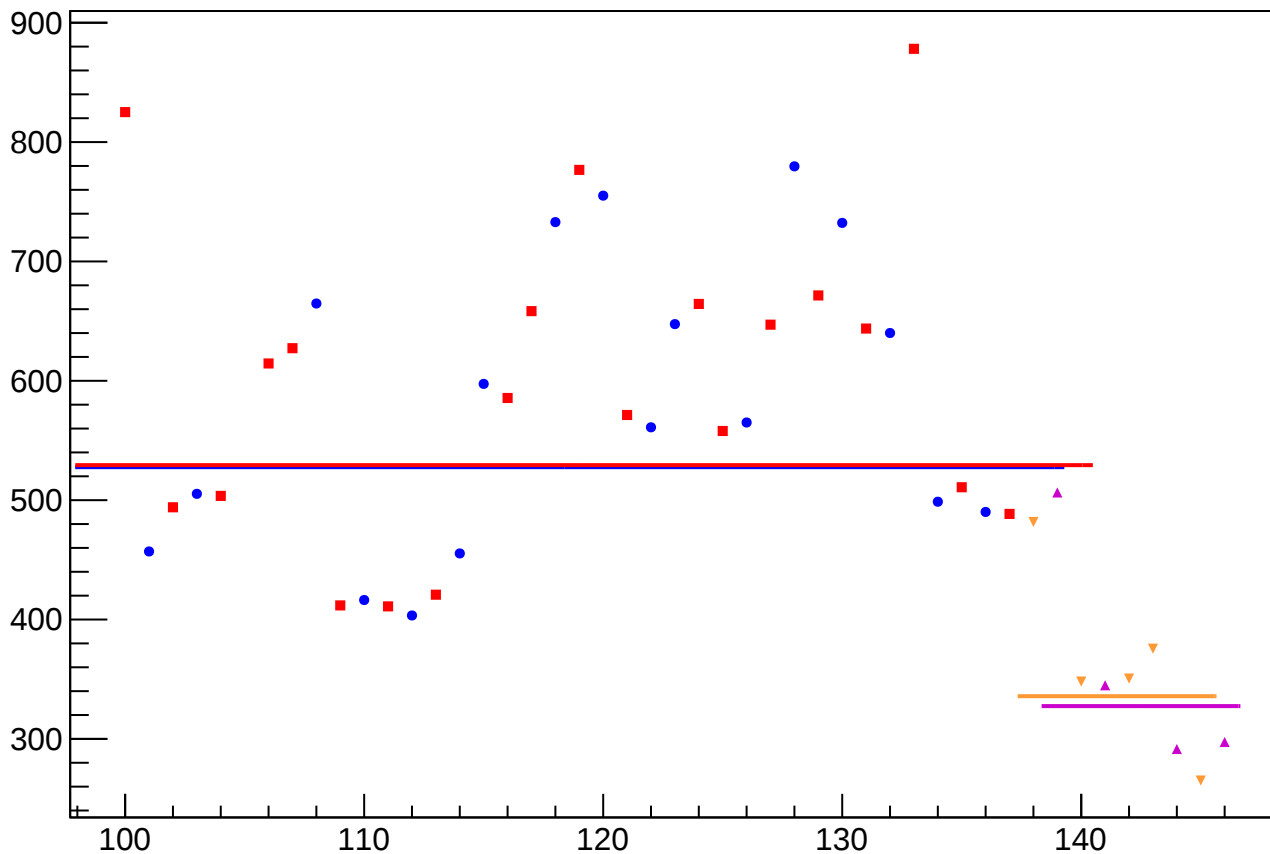
Left In: 234.136 $\pm$ 186.519 χ^2 /NDF:2.2/3

-271.813 $\pm$ 139.856 χ^2 /NDF: 34.2/21

32.680 $\pm$ 98.017 χ^2 /NDF: 59.7/45

326.625 $\pm$ 137.412 χ^2 /NDF: 16.1/23

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 335.770 $\pm$ 0.132 χ^2 /NDF: 258009.5/4

Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

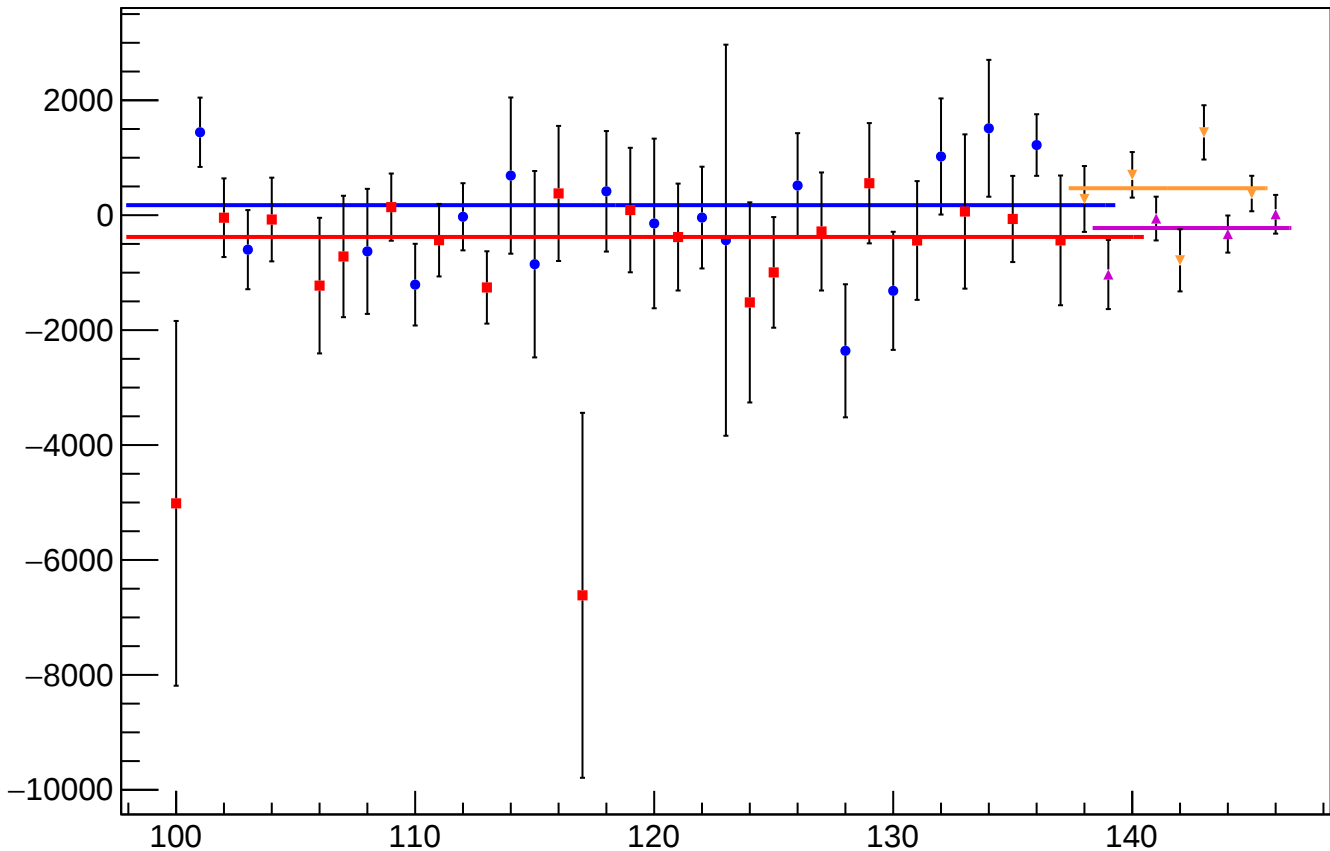
Left In: 327.475 $\pm$ 0.132 χ^2 /NDF: 226219.1/3

420.733 $\pm$ 0.099 χ^2 /NDF: 1744407.4/21

420.247 $\pm$ 0.069 χ^2 /NDF: 3668577.6/45

419.778 $\pm$ 0.097 χ^2 /NDF: 1924122.8/23

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605+/-211.662 χ^2/NDF : 23.7/16

Left Out: 469.458+/-189.625 χ^2/NDF : 10.2/4

Right Out: -378.609+/-204.777 χ^2/NDF : 12.3/19

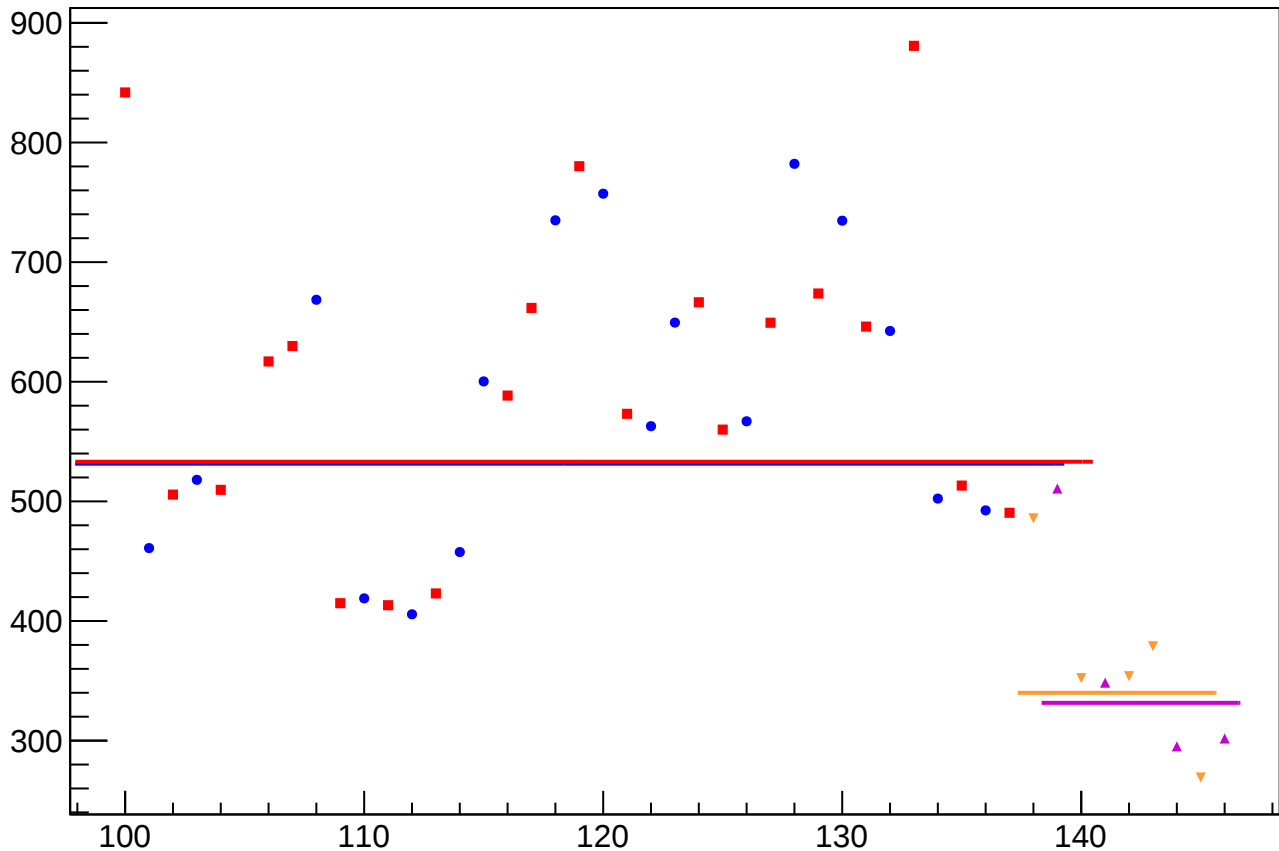
Left In: -223.312+/-188.786 χ^2/NDF : 2.6/3

338.175+/-141.236 χ^2/NDF : 34.9/21

16.256+/-98.997 χ^2/NDF : 60.4/45

-294.662+/-138.801 χ^2/NDF : 15.2/23

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 $\pm$ 0.150 χ^2/NDF : 550087.6/16

Left Out: 339.983 $\pm$ 0.134 χ^2/NDF : 251717.5/4

Right Out: 533.157 $\pm$ 0.145 χ^2/NDF : 619038.4/19

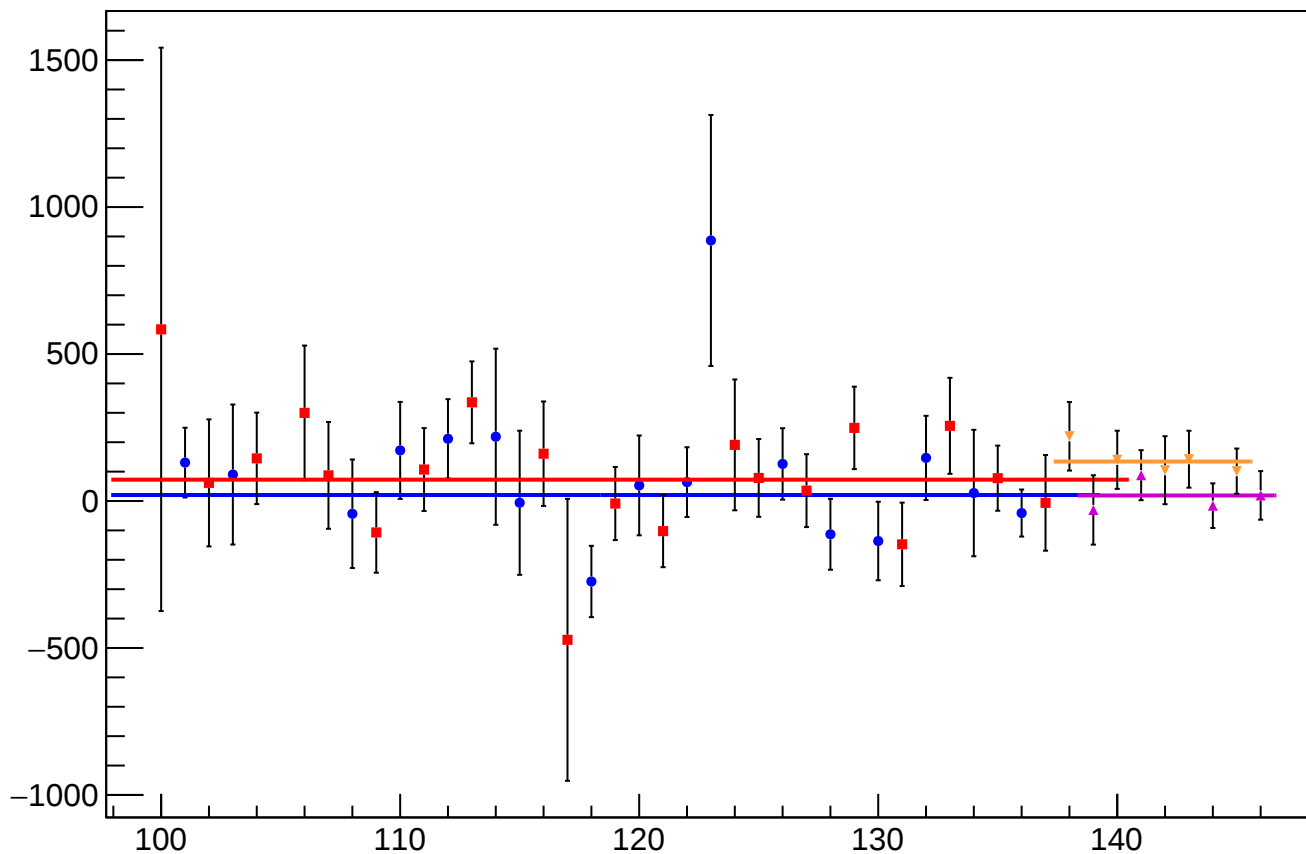
Left In: 331.594 $\pm$ 0.133 χ^2/NDF : 222416.0/3

425.280 $\pm$ 0.100 χ^2/NDF : 1710674.0/21

424.730 $\pm$ 0.070 χ^2/NDF : 3599647.8/45

424.200 $\pm$ 0.098 χ^2/NDF : 1888914.3/23

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441+/-34.583 χ^2/NDF : 19.3/16

Left Out: 134.348+/-43.609 χ^2/NDF : 0.8/4

Right Out: 72.603+/-34.608 χ^2/NDF : 16.7/19

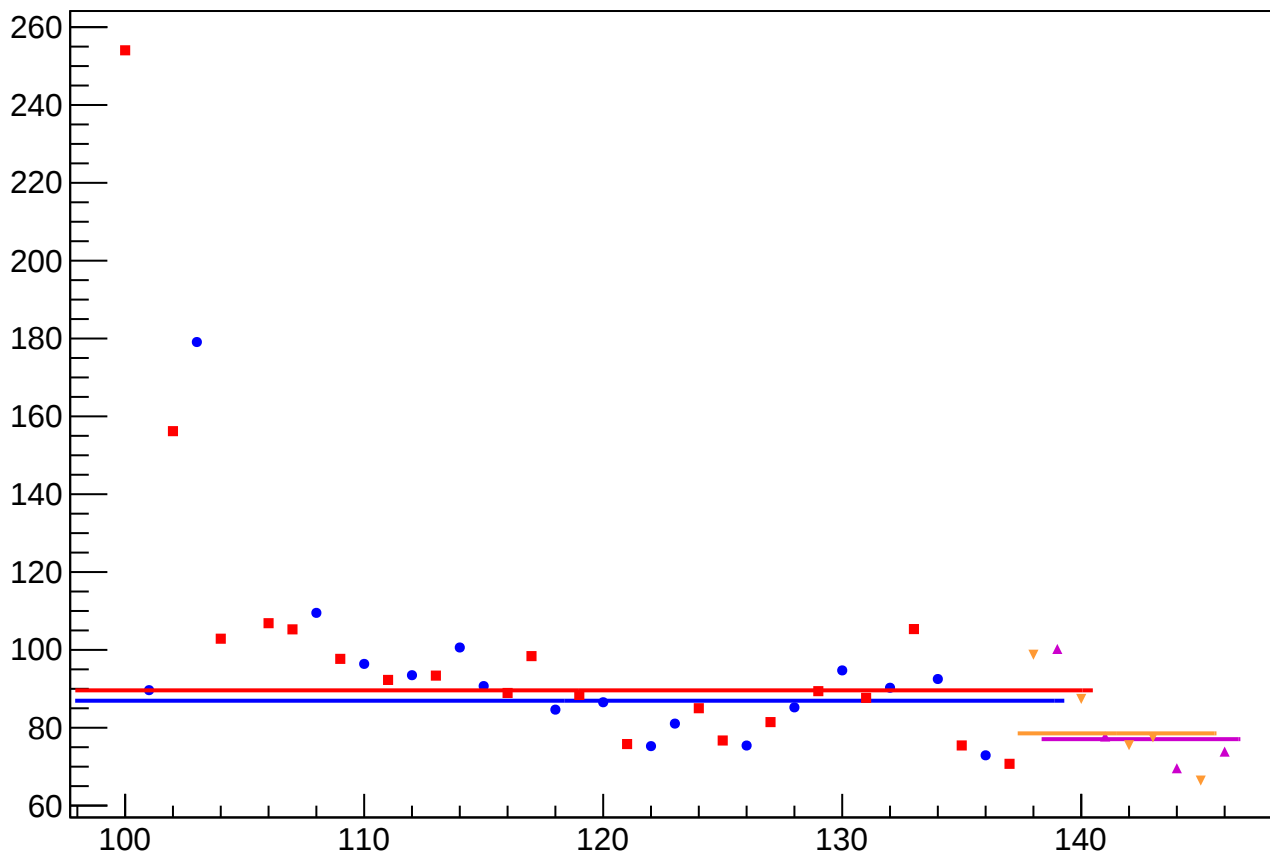
Left In: 18.865+/-43.466 χ^2/NDF : 1.0/3

64.419+/-27.097 χ^2/NDF : 24.3/21

58.081+/-19.152 χ^2/NDF : 43.0/45

51.753+/-27.074 χ^2/NDF : 18.7/23

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 78.553 $\pm$ 0.031 χ^2 /NDF: 127350.1/4

Right Out: 89.607 $\pm$ 0.024 χ^2 /NDF: 431905.8/19

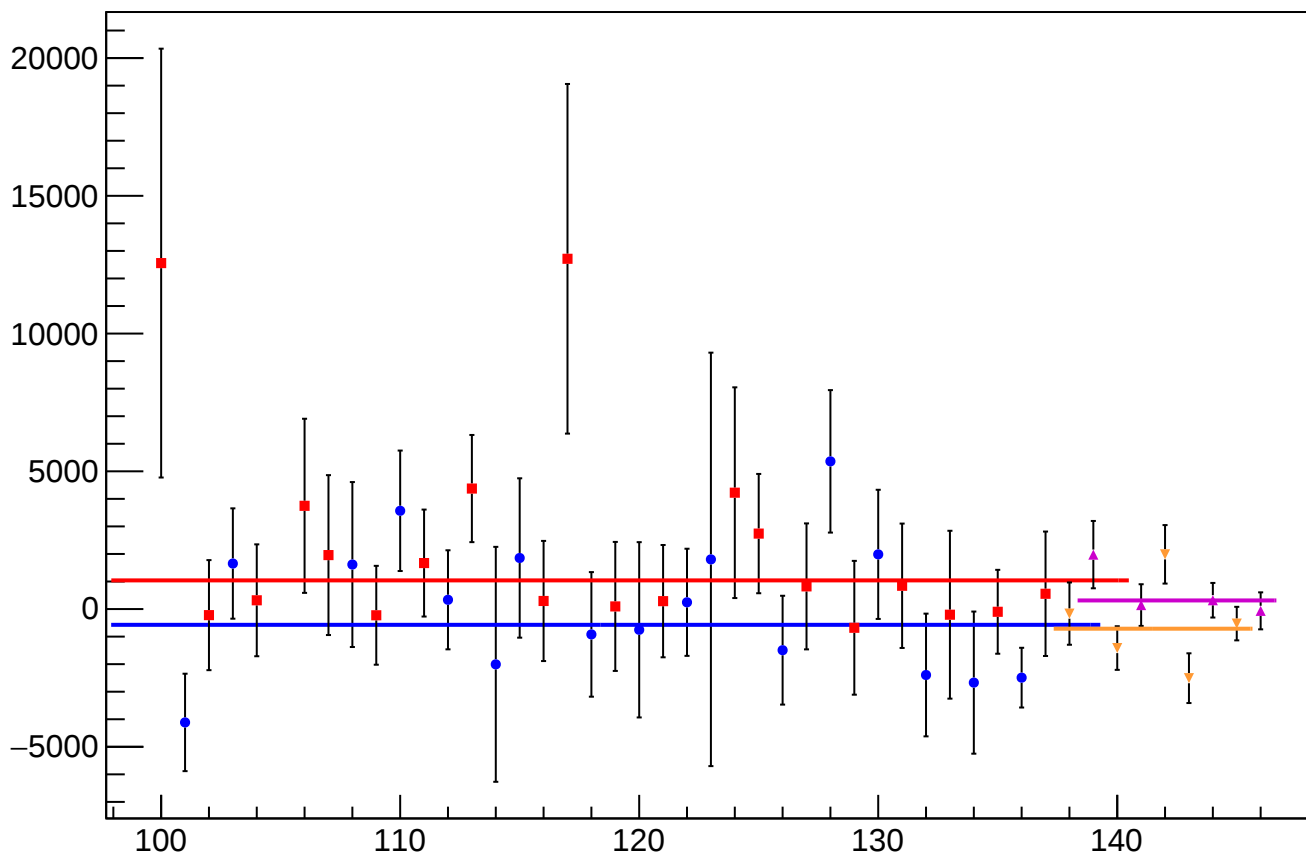
Left In: 77.068 $\pm$ 0.031 χ^2 /NDF: 99662.6/3

83.704 $\pm$ 0.019 χ^2 /NDF: 628600.9/21

84.223 $\pm$ 0.014 χ^2 /NDF: 1263502.1/45

84.742 $\pm$ 0.019 χ^2 /NDF: 633431.3/23

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342+/-517.020 χ^2/NDF : 21.9/16

Left Out: -713.059+/-372.846 χ^2/NDF : 11.5/4

Right Out: 1040.618+/-512.937 χ^2/NDF : 13.5/19

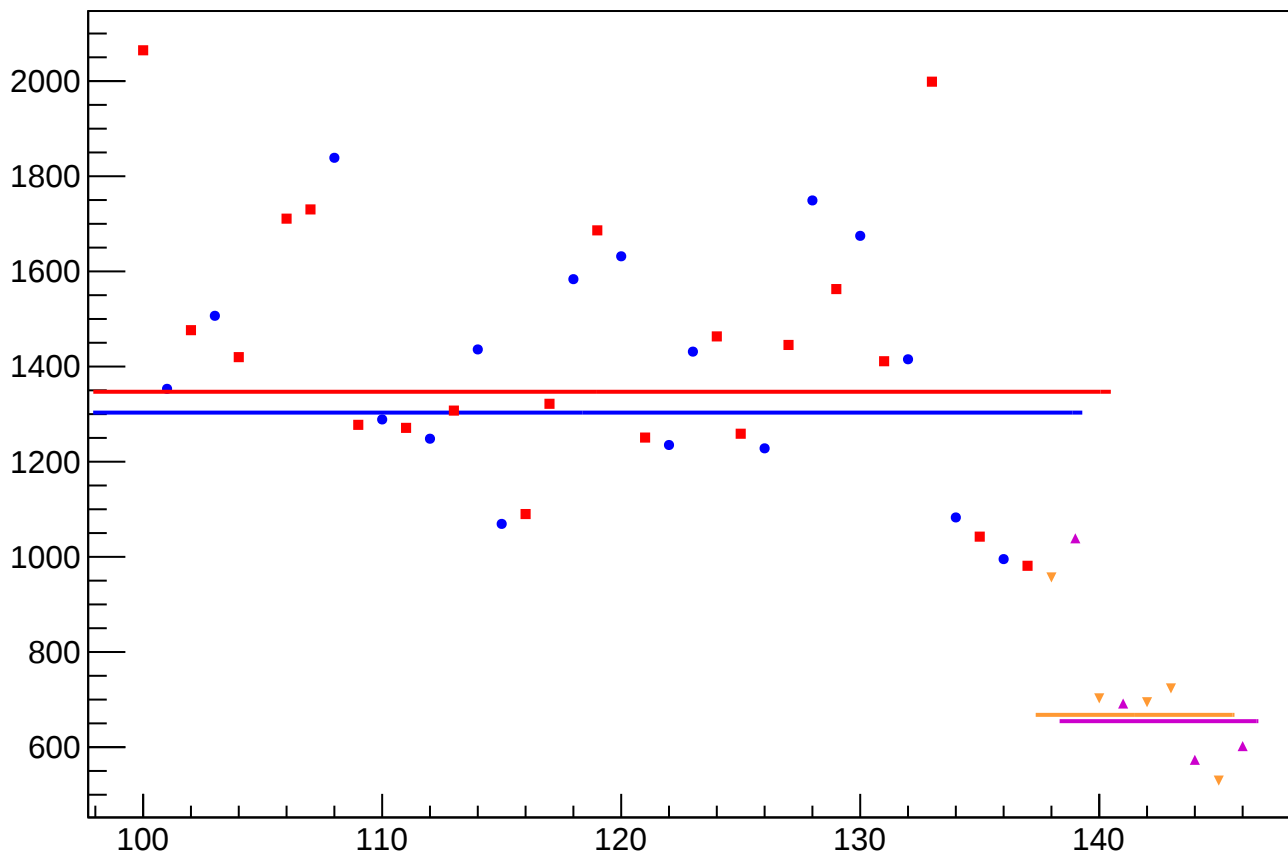
Left In: 312.879+/-373.424 χ^2/NDF : 2.2/3

-664.916+/-302.413 χ^2/NDF : 33.5/21

-48.919+/-213.655 χ^2/NDF : 58.8/45

564.972+/-301.896 χ^2/NDF : 17.0/23

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201 $\pm$ 0.366 χ^2/NDF : 451961.9/16

Left Out: 667.913 $\pm$ 0.264 χ^2/NDF : 246439.4/4

Right Out: 1347.011 $\pm$ 0.363 χ^2/NDF : 420806.0/19

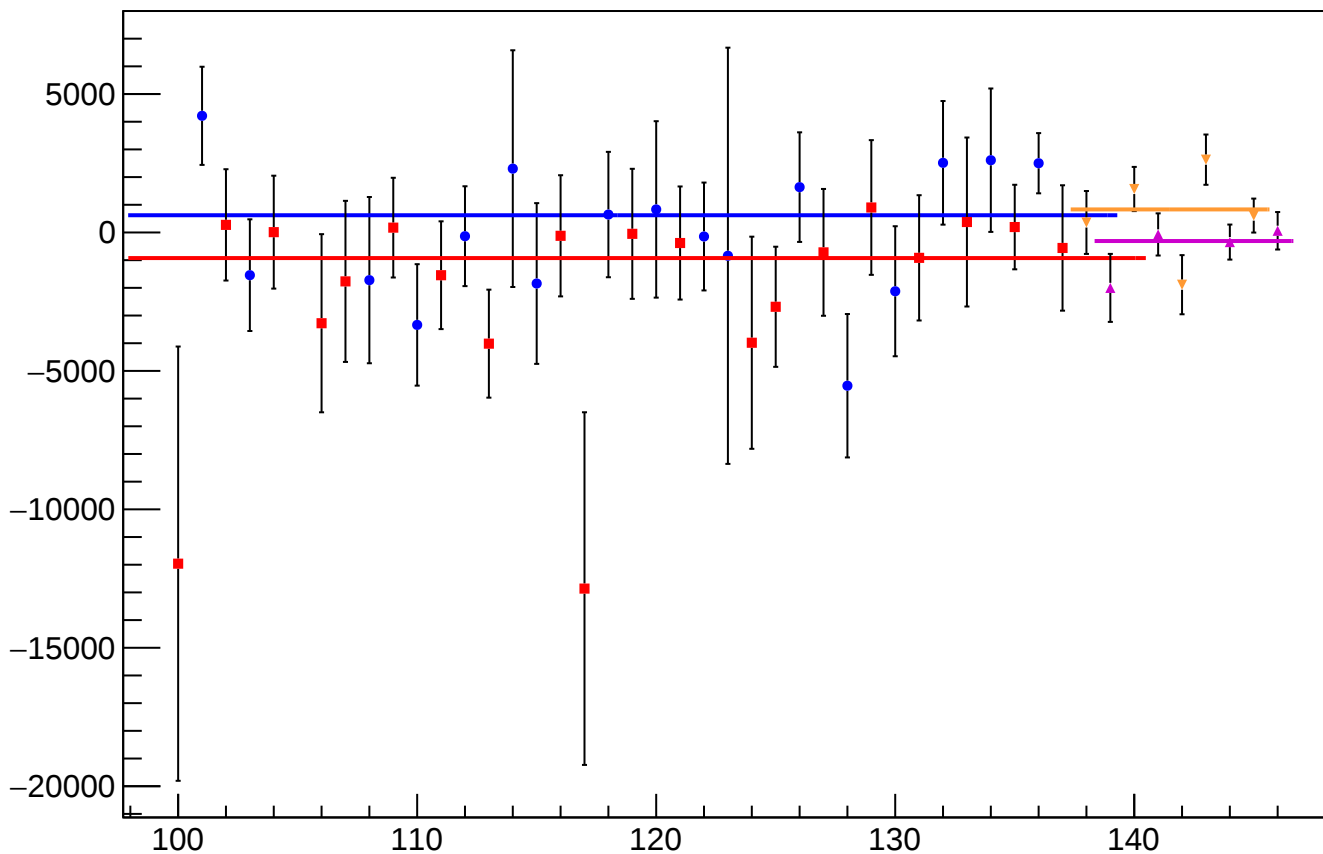
Left In: 654.636 $\pm$ 0.264 χ^2/NDF : 248268.4/3

885.261 $\pm$ 0.214 χ^2/NDF : 2684949.8/21

889.878 $\pm$ 0.151 χ^2/NDF : 5736681.5/45

894.479 $\pm$ 0.213 χ^2/NDF : 3050801.2/23

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 832.427+/-375.546 χ^2/NDF : 11.6/4

Right Out: -924.488+/-514.636 χ^2/NDF : 12.6/19

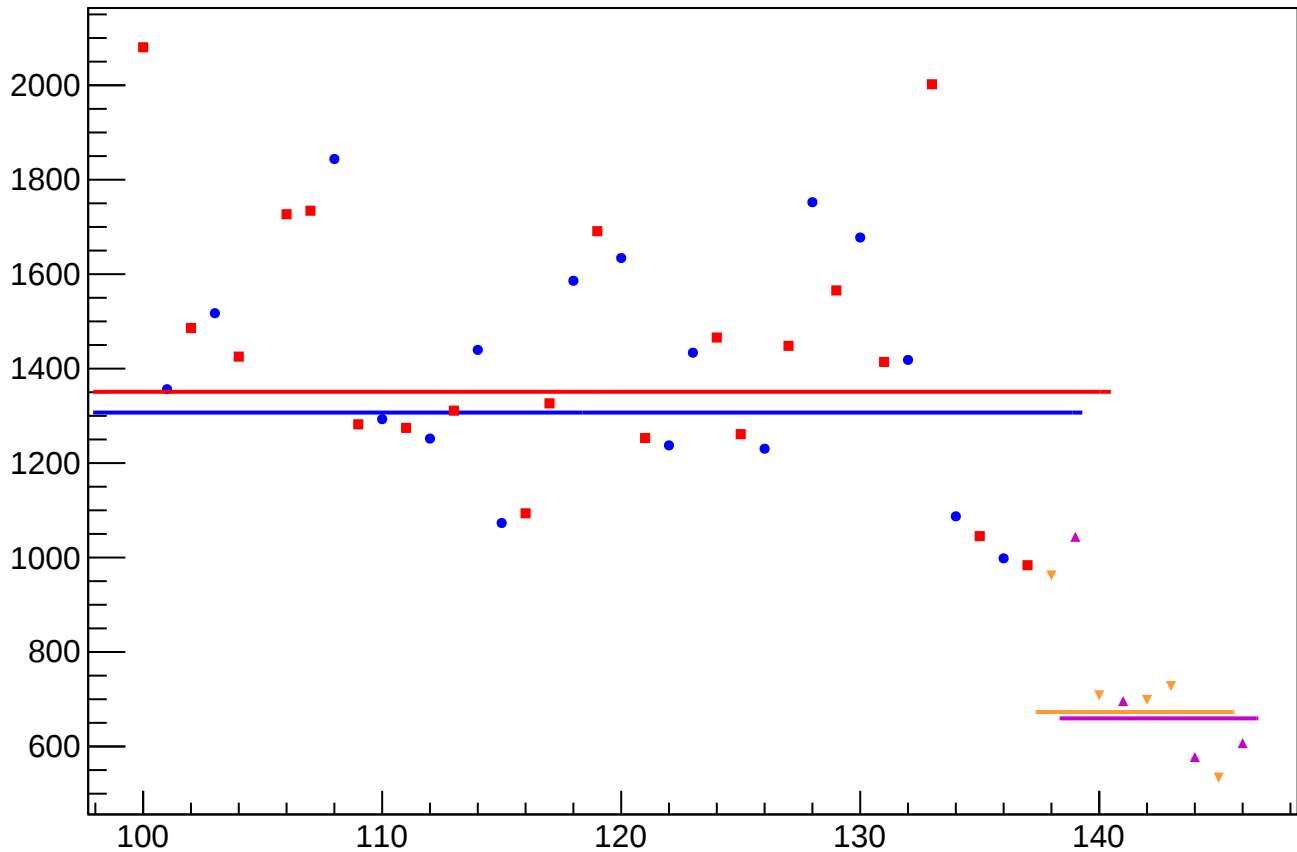
Left In: -308.831+/-376.116 χ^2/NDF : 2.3/3

760.162+/-304.147 χ^2/NDF : 33.6/21

117.469+/-214.893 χ^2/NDF : 58.4/45

-523.179+/-303.663 χ^2/NDF : 15.9/23

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 672.860 $\pm$ 0.266 χ^2 /NDF: 244168.4/4

Right Out: 1350.936 $\pm$ 0.364 χ^2 /NDF: 421834.2/19

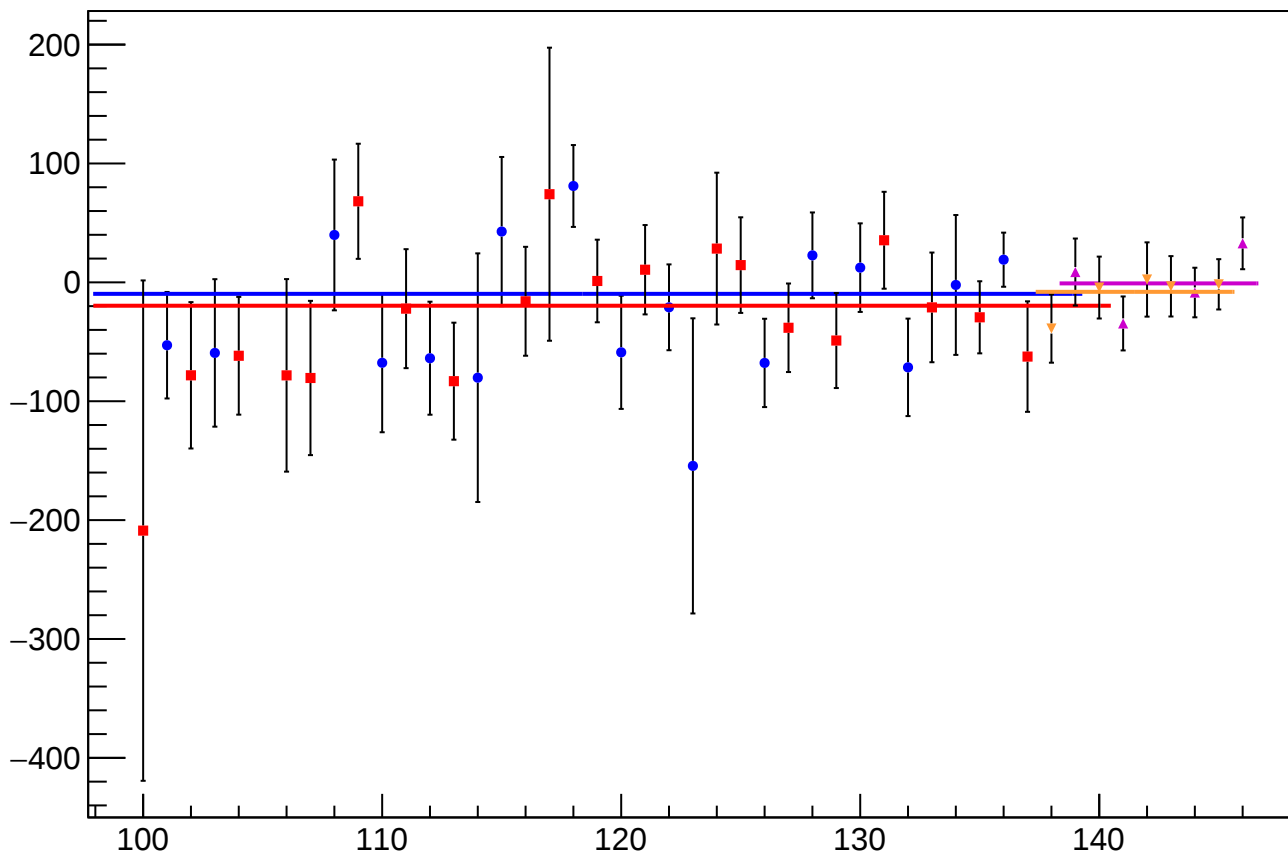
Left In: 659.503 $\pm$ 0.266 χ^2 /NDF: 245987.2/3

891.057 $\pm$ 0.215 χ^2 /NDF: 2657478.7/21

895.653 $\pm$ 0.152 χ^2 /NDF: 5679468.0/45

900.234 $\pm$ 0.215 χ^2 /NDF: 3021077.4/23

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669+/-10.408 χ^2/NDF : 22.6/16

Left Out: -7.974+/-11.553 χ^2/NDF : 1.4/4

Right Out: -19.662+/-10.406 χ^2/NDF : 15.2/19

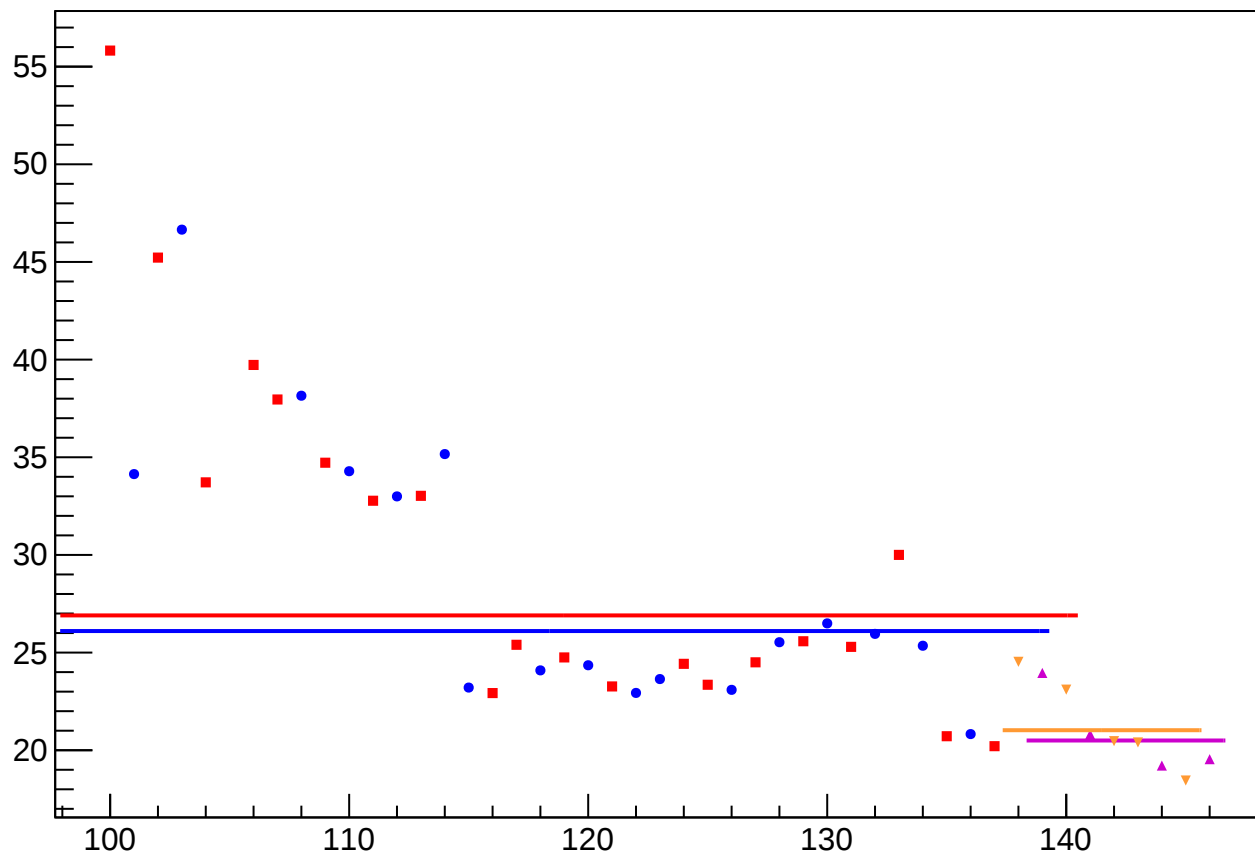
Left In: -0.876+/-11.467 χ^2/NDF : 4.8/3

-8.909+/-7.733 χ^2/NDF : 24.0/21

-10.047+/-5.458 χ^2/NDF : 45.6/45

-11.177+/-7.706 χ^2/NDF : 21.6/23

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 ± 0.007 χ^2/NDF : 604038.5/16

Left Out: 21.025 ± 0.008 χ^2/NDF : 73861.3/4

Right Out: 26.903 ± 0.007 χ^2/NDF : 679269.9/19

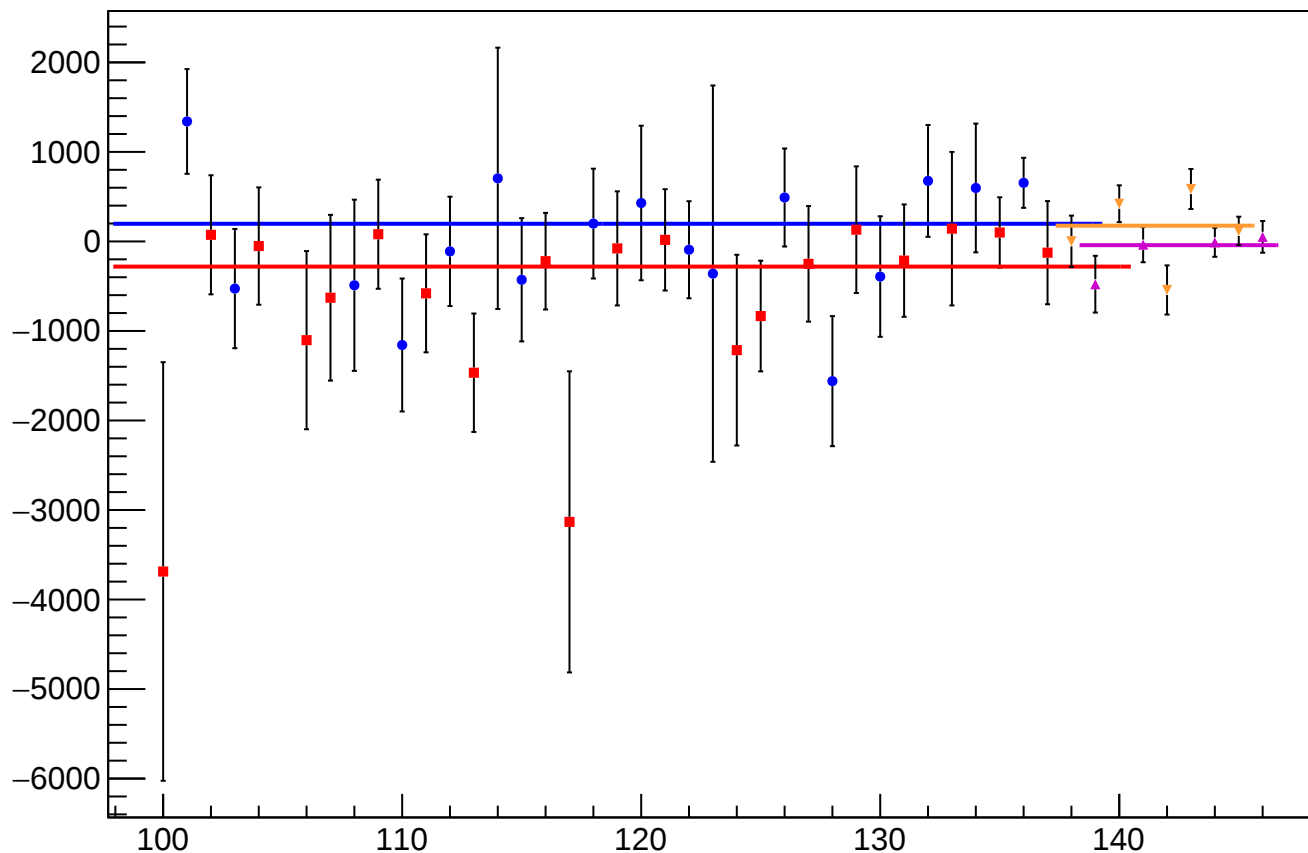
Left In: 20.499 ± 0.008 χ^2/NDF : 41944.0/3

23.828 ± 0.005 χ^2/NDF : 891134.0/21

23.920 ± 0.004 χ^2/NDF : 1954993.6/45

24.011 ± 0.005 χ^2/NDF : 1063298.9/23

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 175.982 $\pm$ 95.954 χ^2 /NDF:12.1/4

Right Out: -281.185 $\pm$ 149.275 χ^2 /NDF: 13.6/19

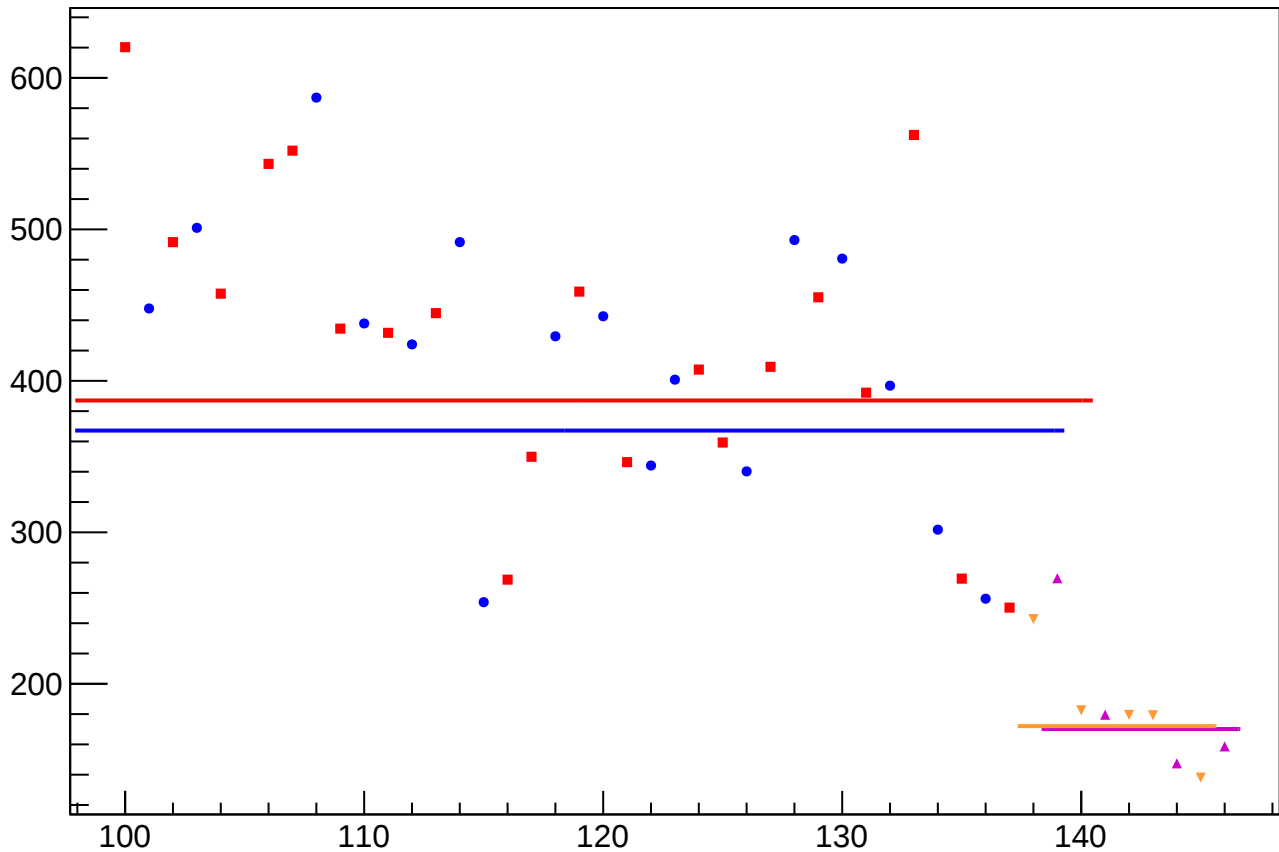
Left In: -41.764 $\pm$ 97.073 χ^2 /NDF:2.2/3

182.306 $\pm$ 80.494 χ^2 /NDF: 33.1/21

36.307 $\pm$ 57.228 χ^2 /NDF: 57.3/45

-112.920 $\pm$ 81.379 χ^2 /NDF: 17.6/23

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 172.063 $\pm$ 0.068 χ^2 /NDF: 221521.0/4

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

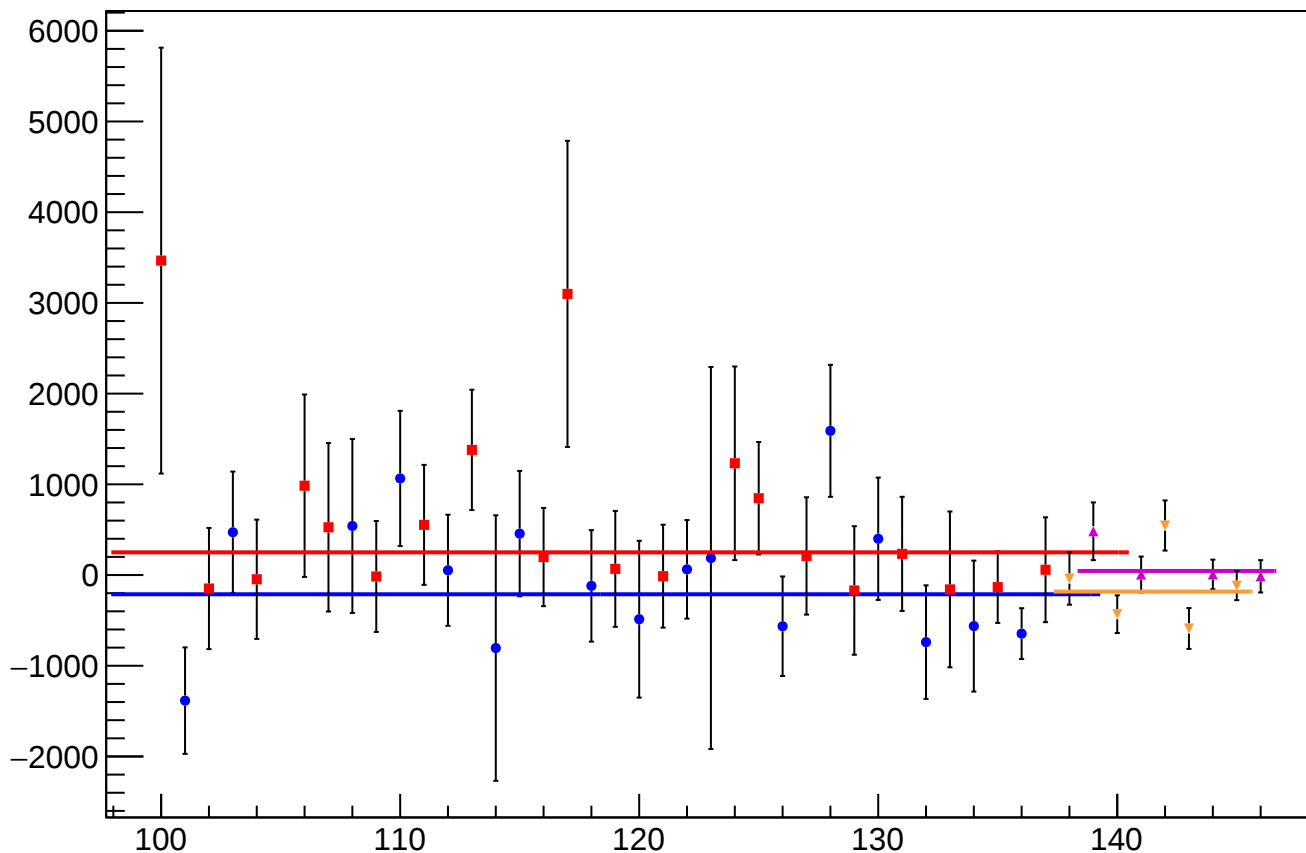
Left In: 170.169 $\pm$ 0.069 χ^2 /NDF: 249493.7/3

229.871 $\pm$ 0.057 χ^2 /NDF: 3498783.4/21

232.223 $\pm$ 0.040 χ^2 /NDF: 7494298.7/45

234.626 $\pm$ 0.058 χ^2 /NDF: 3992064.1/23

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 $\chi^2/\text{NDF}: 21.0/16$

Left Out: -182.240 ± 96.693 $\chi^2/\text{NDF}: 12.1/4$

Right Out: 250.443 ± 149.724 $\chi^2/\text{NDF}: 12.9/19$

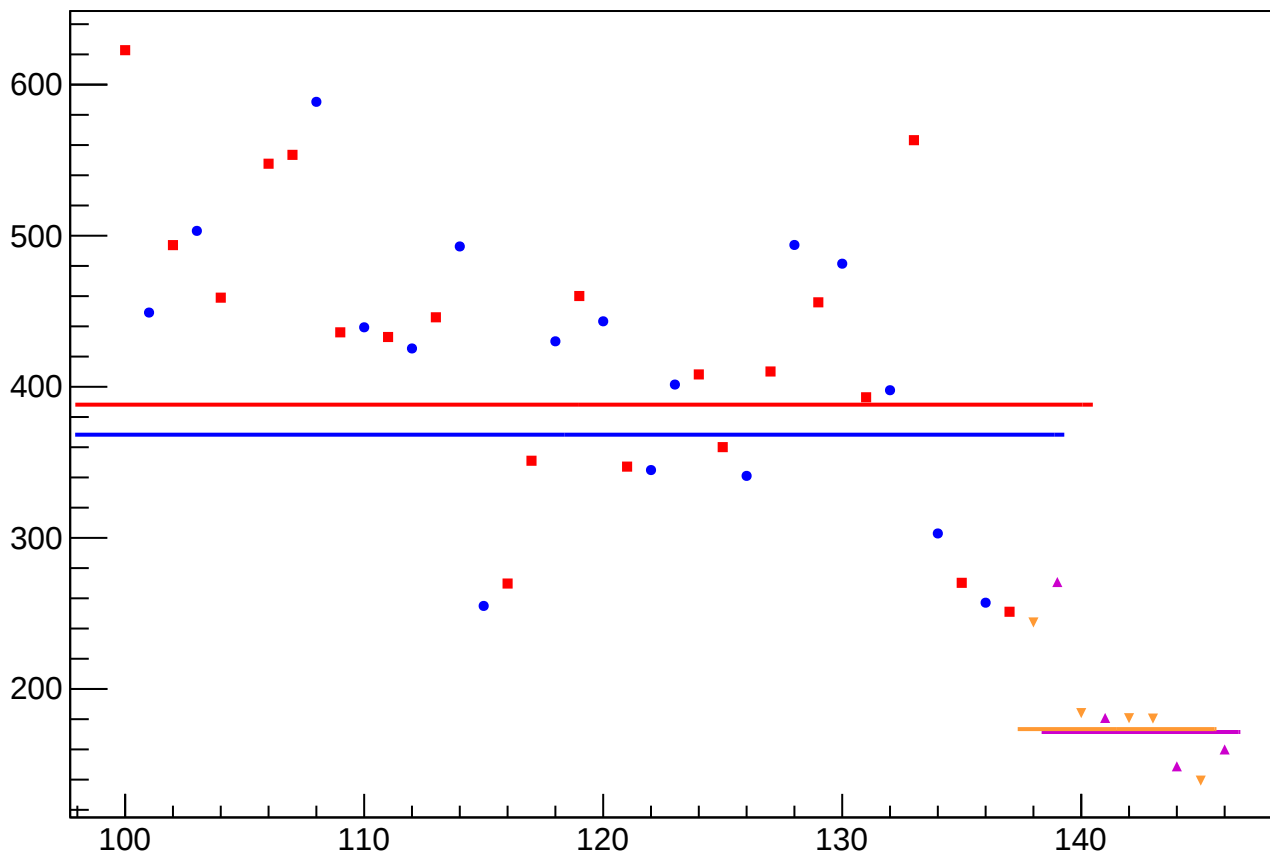
Left In: 45.156 ± 97.809 $\chi^2/\text{NDF}: 2.1/3$

-191.074 ± 81.000 $\chi^2/\text{NDF}: 33.1/21$

-43.875 ± 57.586 $\chi^2/\text{NDF}: 56.1/45$

106.559 ± 81.885 $\chi^2/\text{NDF}: 16.3/23$

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 $\pm$ 0.105 χ^2/NDF : 824619.2/16

Left Out: 173.442 $\pm$ 0.068 χ^2/NDF : 218724.6/4

Right Out: 388.178 $\pm$ 0.106 χ^2/NDF : 775692.7/19

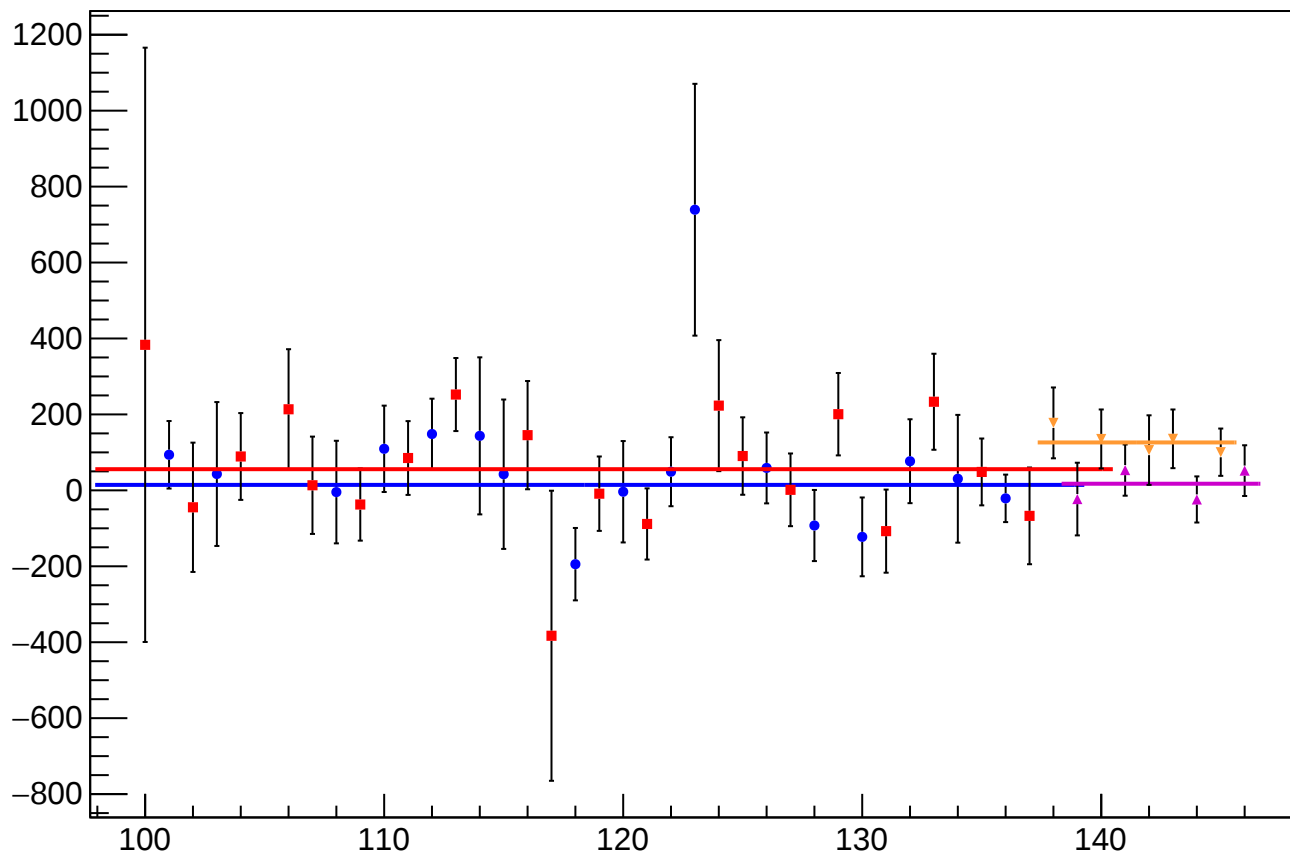
Left In: 171.522 $\pm$ 0.069 χ^2/NDF : 246206.4/3

231.560 $\pm$ 0.057 χ^2/NDF : 3465905.1/21

233.917 $\pm$ 0.041 χ^2/NDF : 7426462.3/45

236.325 $\pm$ 0.058 χ^2/NDF : 3957134.7/23

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 126.174+/-34.821 χ^2/NDF : 0.6/4

Right Out: 55.744+/-26.060 χ^2/NDF : 19.7/19

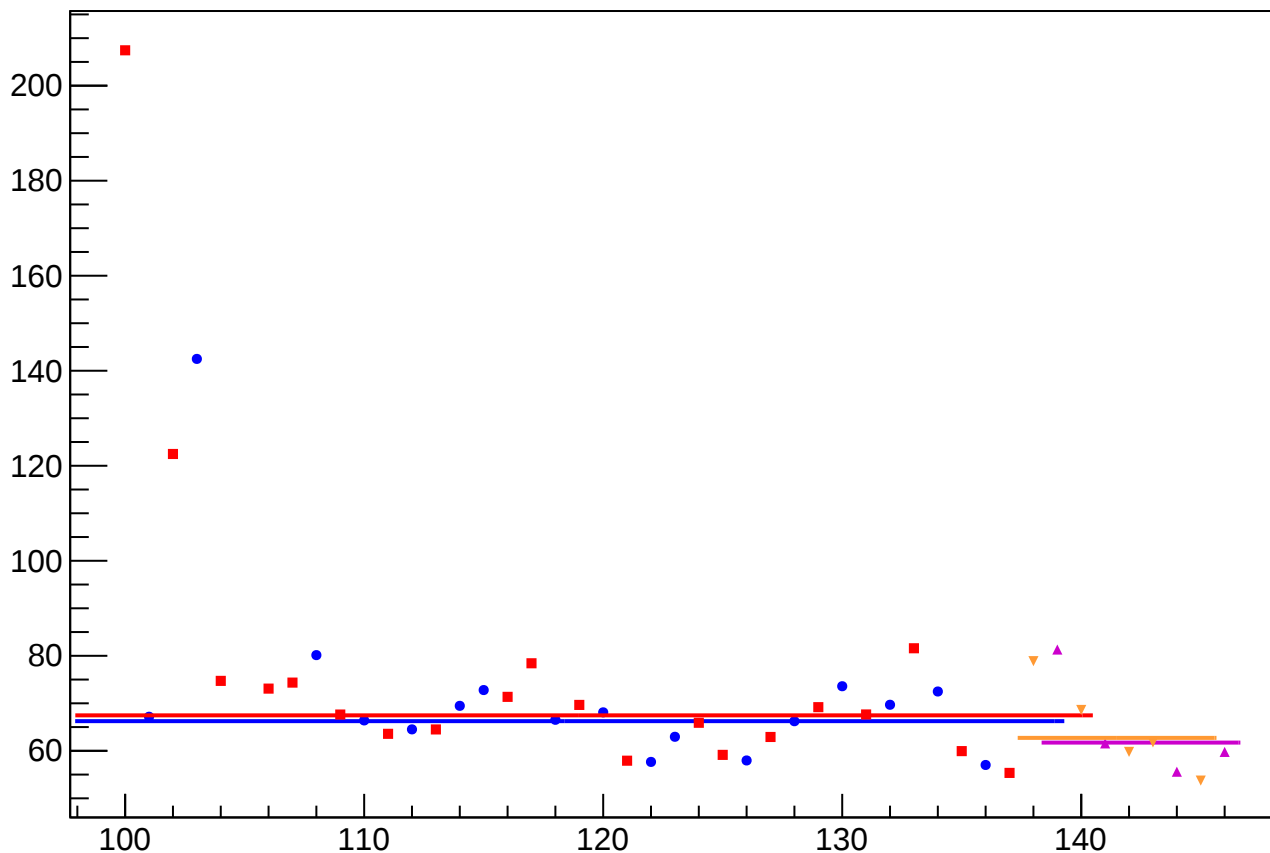
Left In: 17.431+/-34.830 χ^2/NDF : 1.2/3

55.058+/-21.004 χ^2/NDF : 24.8/21

48.483+/-14.803 χ^2/NDF : 46.7/45

41.993+/-20.866 χ^2/NDF : 21.7/23

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 62.726+/-0.025 χ^2/NDF :115391.4/4

Right Out: 67.466+/-0.018 χ^2/NDF : 395262.8/19

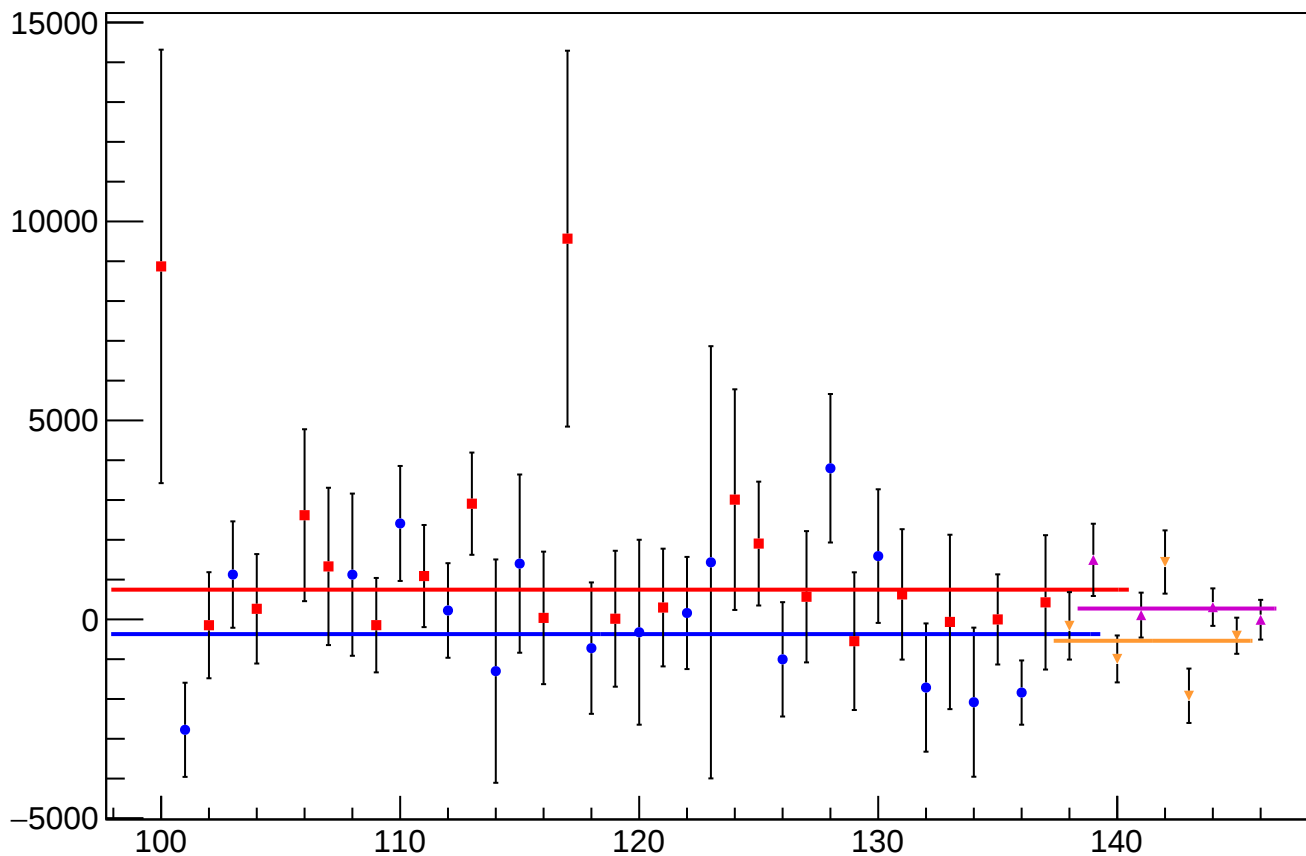
Left In: 61.734+/-0.025 χ^2/NDF :105873.8/3

64.966+/-0.015 χ^2/NDF : 569348.6/21

65.189+/-0.010 χ^2/NDF : 1105670.2/45

65.409+/-0.015 χ^2/NDF : 535873.8/23

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -537.291+/-279.013 χ^2/NDF : 11.2/4

Right Out: 747.208+/-360.830 χ^2/NDF : 13.4/19

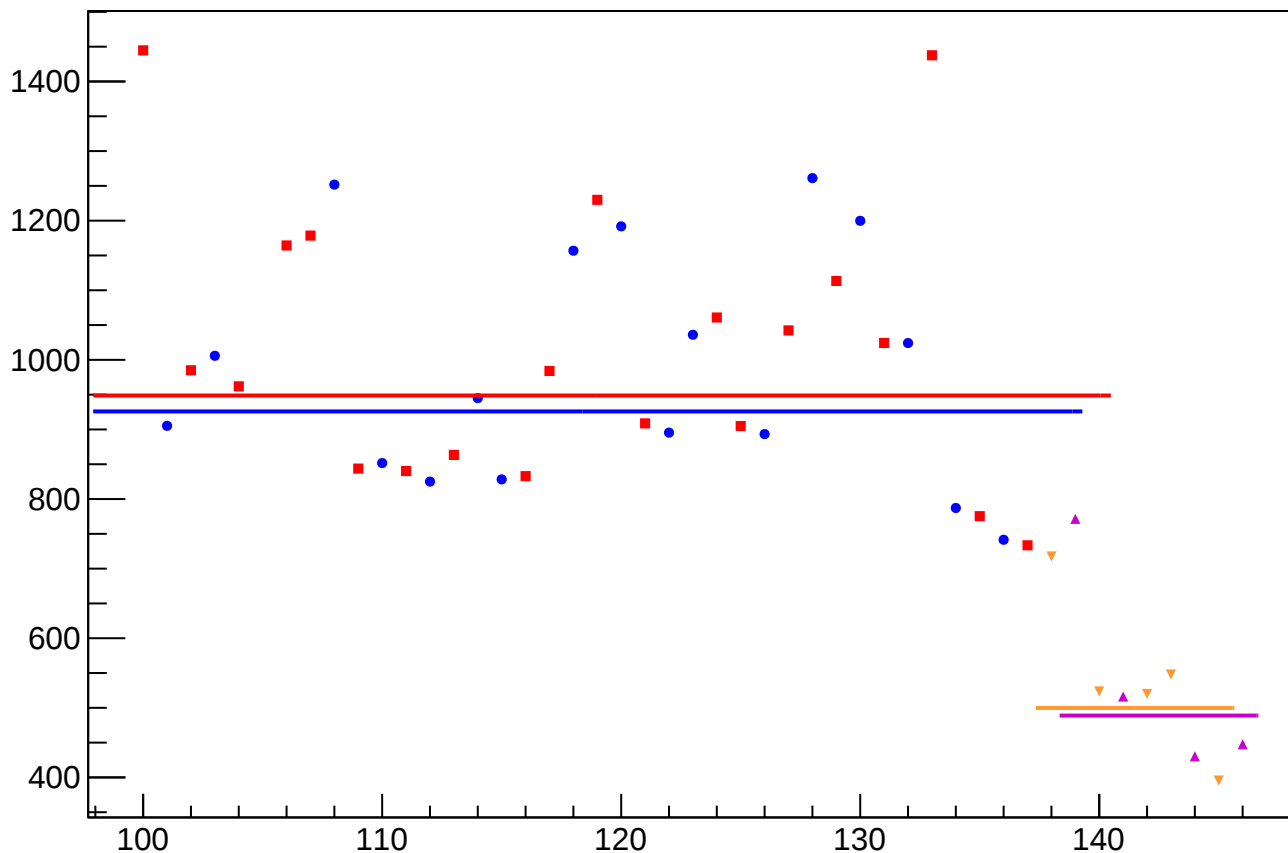
Left In: 272.783+/-278.764 χ^2/NDF : 2.2/3

-475.728+/-221.986 χ^2/NDF : 33.6/21

-9.908+/-156.475 χ^2/NDF : 59.1/45

450.108+/-220.599 χ^2/NDF : 16.8/23

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885 $\pm$ 0.259 χ^2/NDF : 391084.5/16

Left Out: 499.810 $\pm$ 0.197 χ^2/NDF : 252145.0/4

Right Out: 948.760 $\pm$ 0.255 χ^2/NDF : 382044.0/19

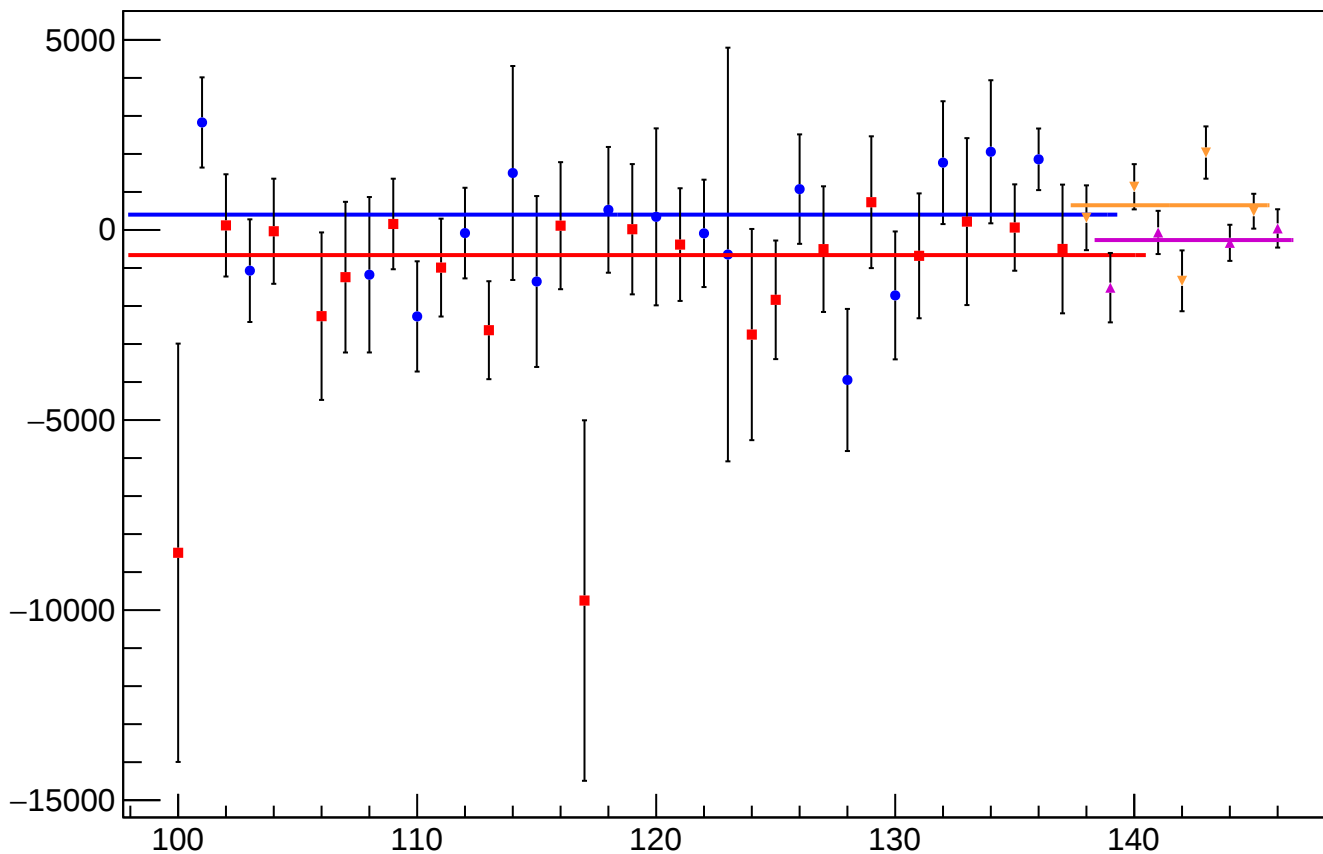
Left In: 488.864 $\pm$ 0.197 χ^2/NDF : 243119.2/3

656.179 $\pm$ 0.157 χ^2/NDF : 2354888.8/21

658.483 $\pm$ 0.111 χ^2/NDF : 5015077.6/45

660.759 $\pm$ 0.156 χ^2/NDF : 2659760.5/23

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 650.467+/-281.325 χ^2/NDF : 11.2/4

Right Out: -660.630+/-362.265 χ^2/NDF : 12.5/19

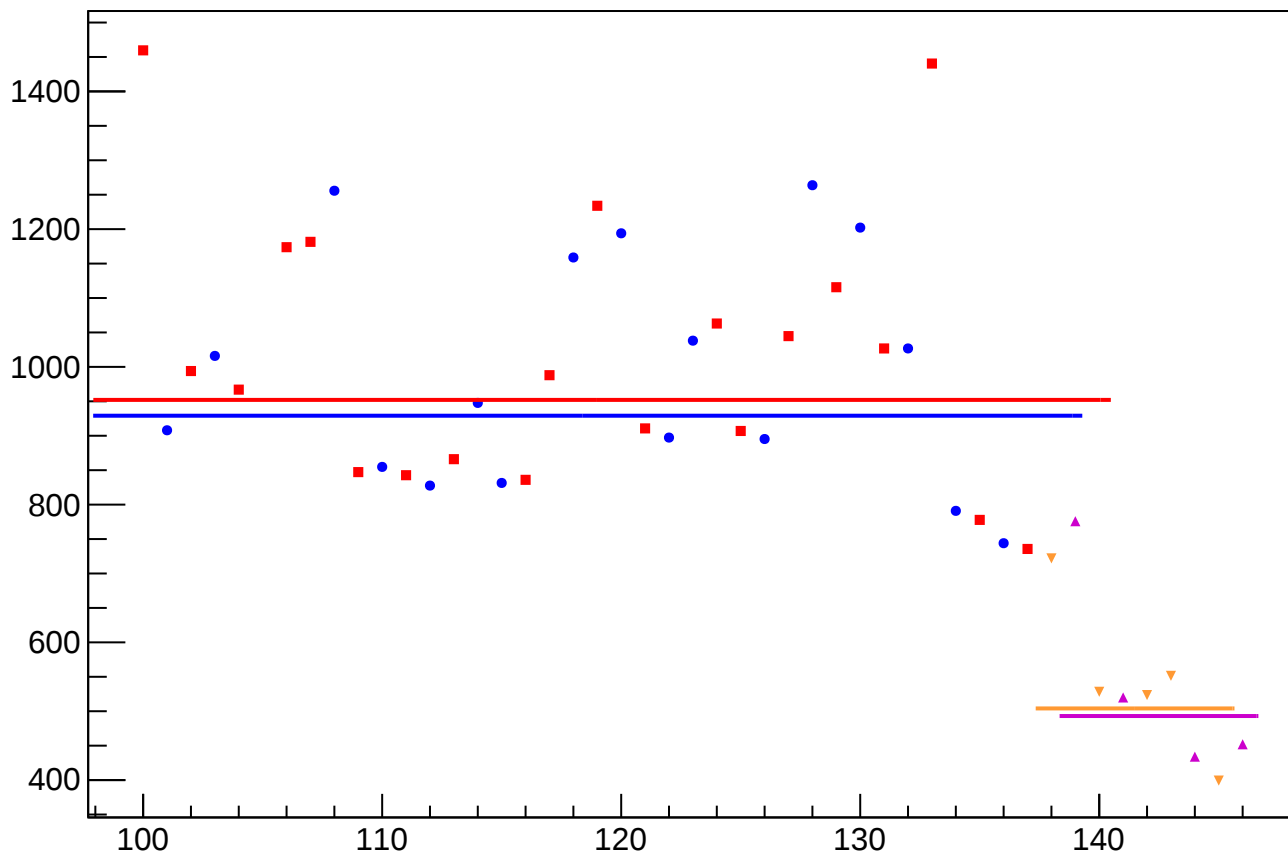
Left In: -265.235+/-281.070 χ^2/NDF : 2.4/3

559.308+/-223.427 χ^2/NDF : 33.9/21

69.780+/-157.504 χ^2/NDF : 59.1/45

-413.812+/-222.069 χ^2/NDF : 15.7/23

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 504.054 $\pm$ 0.199 χ^2 /NDF: 249052.1/4

Right Out: 952.057 $\pm$ 0.256 χ^2 /NDF: 382334.5/19

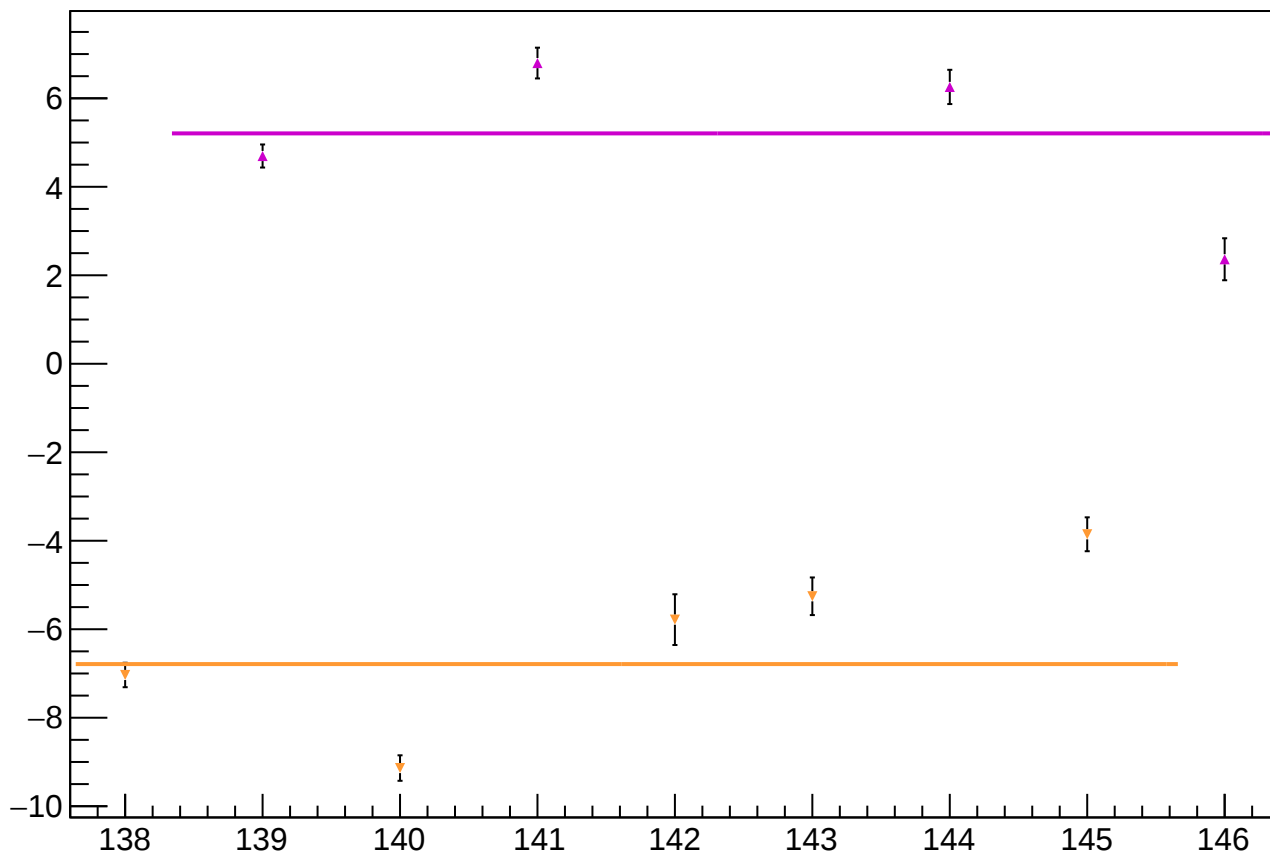
Left In: 493.033 $\pm$ 0.199 χ^2 /NDF: 240580.4/3

661.001 $\pm$ 0.158 χ^2 /NDF: 2325112.0/21

663.274 $\pm$ 0.111 χ^2 /NDF: 4952876.8/45

665.520 $\pm$ 0.157 χ^2 /NDF: 2627353.2/23

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.788+/-0.157 χ^2/NDF : 142.0/4

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

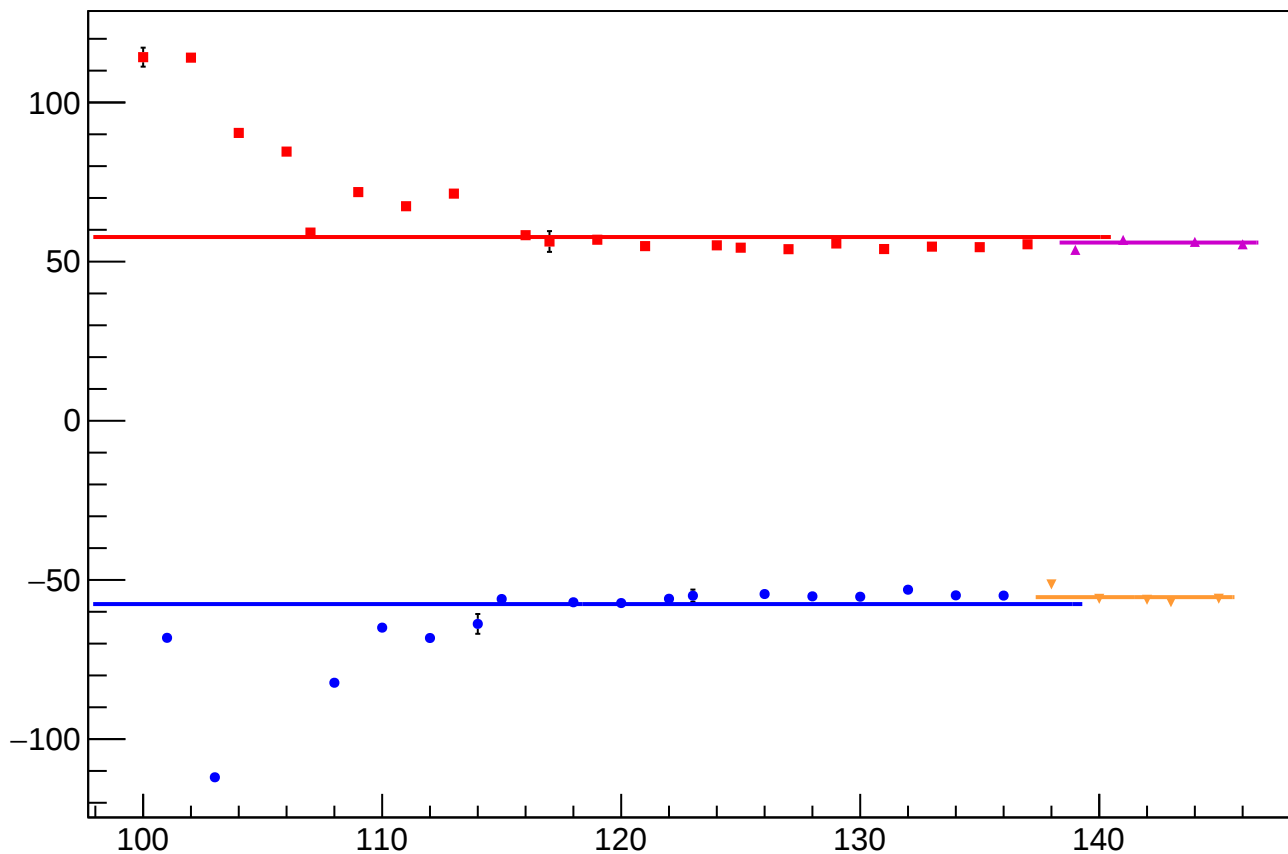
Left In: 5.207+/-0.171 χ^2/NDF : 68.0/3

-6.788+/-0.157 χ^2/NDF : 142.0/4

-1.306+/-0.116 χ^2/NDF : 2874.2/8

5.207+/-0.171 χ^2/NDF : 68.0/3

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -55.401 ± 0.134 χ^2/NDF : 195.5/4

Right Out: 57.730 ± 0.143 χ^2/NDF : 4698.7/19

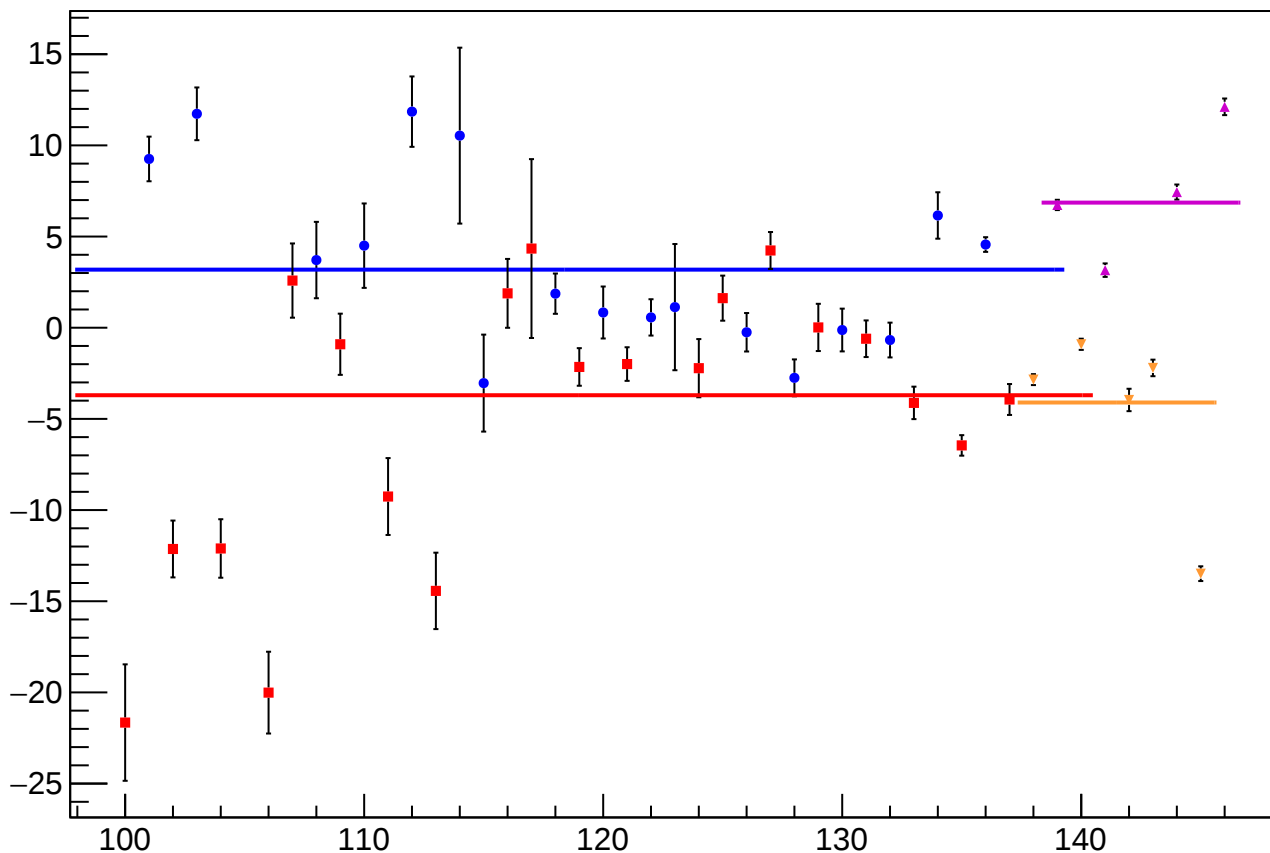
Left In: 55.990 ± 0.151 χ^2/NDF : 39.2/3

-56.423 ± 0.098 χ^2/NDF : 3774.3/21

-3.041 ± 0.071 χ^2/NDF : 639319.4/45

56.909 ± 0.104 χ^2/NDF : 4807.9/23

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -4.101 ± 0.168 χ^2/NDF : 682.0/4

Right Out: -3.702 ± 0.267 χ^2/NDF : 326.8/19

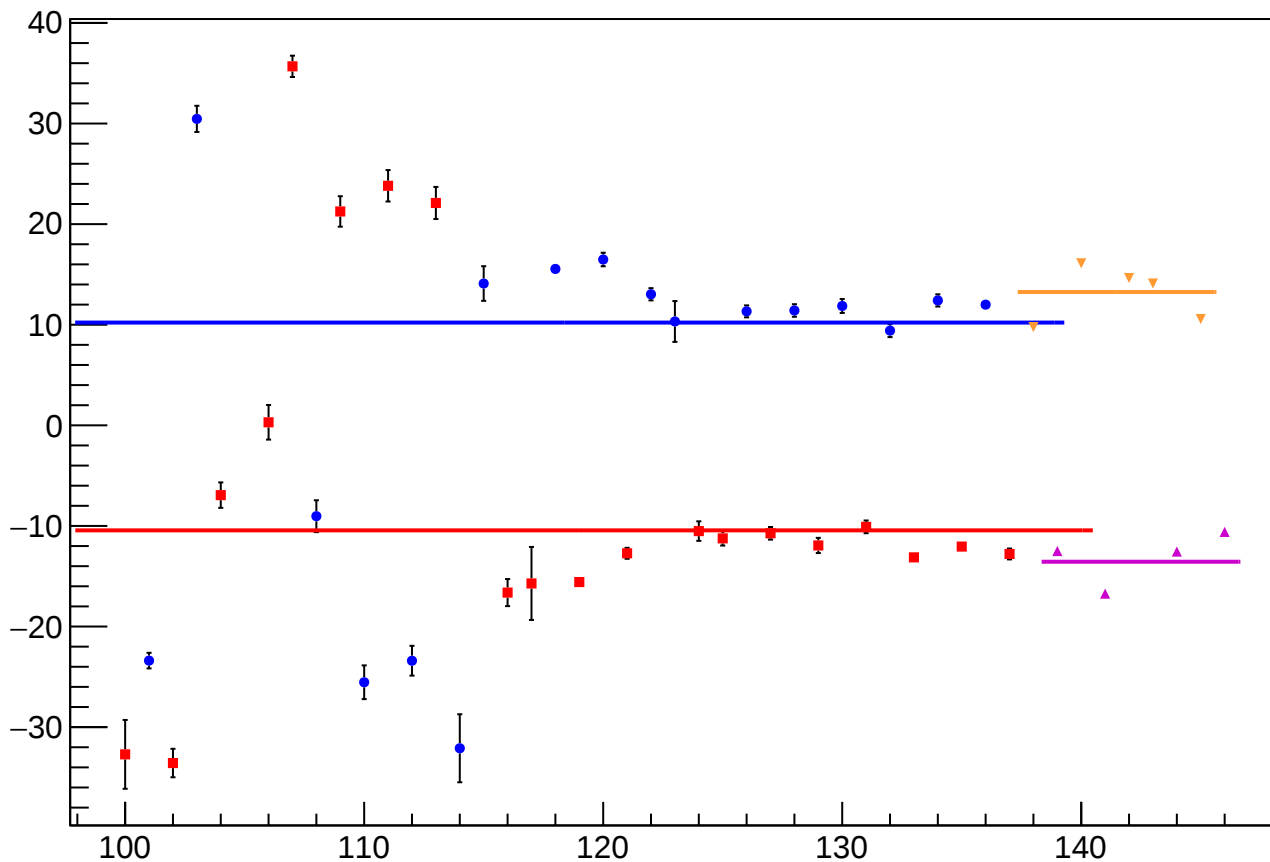
Left In: 6.861 ± 0.181 χ^2/NDF : 235.4/3

-1.939 ± 0.141 χ^2/NDF : 1424.5/21

0.632 ± 0.103 χ^2/NDF : 3764.7/45

3.534 ± 0.150 χ^2/NDF : 1633.3/23

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 $\pm$ 0.158 χ^2/NDF : 3692.6/16

Left Out: 13.255 $\pm$ 0.157 χ^2/NDF : 264.4/4

Right Out: -10.440 $\pm$ 0.160 χ^2/NDF : 3829.1/19

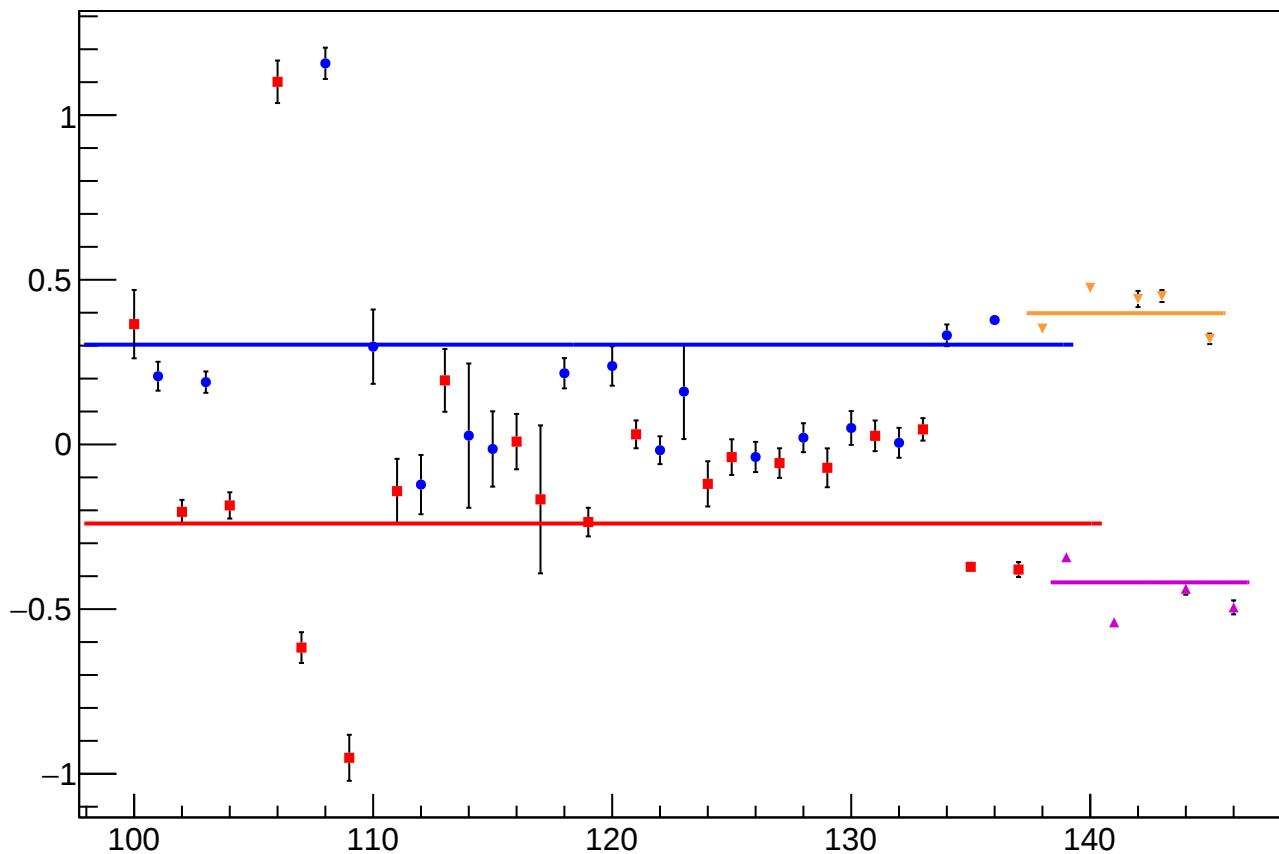
Left In: -13.559 $\pm$ 0.176 χ^2/NDF : 187.9/3

11.745 $\pm$ 0.111 χ^2/NDF : 4143.2/21

0.661 $\pm$ 0.081 χ^2/NDF : 29396.9/45

-11.849 $\pm$ 0.118 χ^2/NDF : 4188.9/23

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.399 ± 0.007 χ^2/NDF : 85.7/4

Right Out: -0.240 ± 0.009 χ^2/NDF : 984.5/19

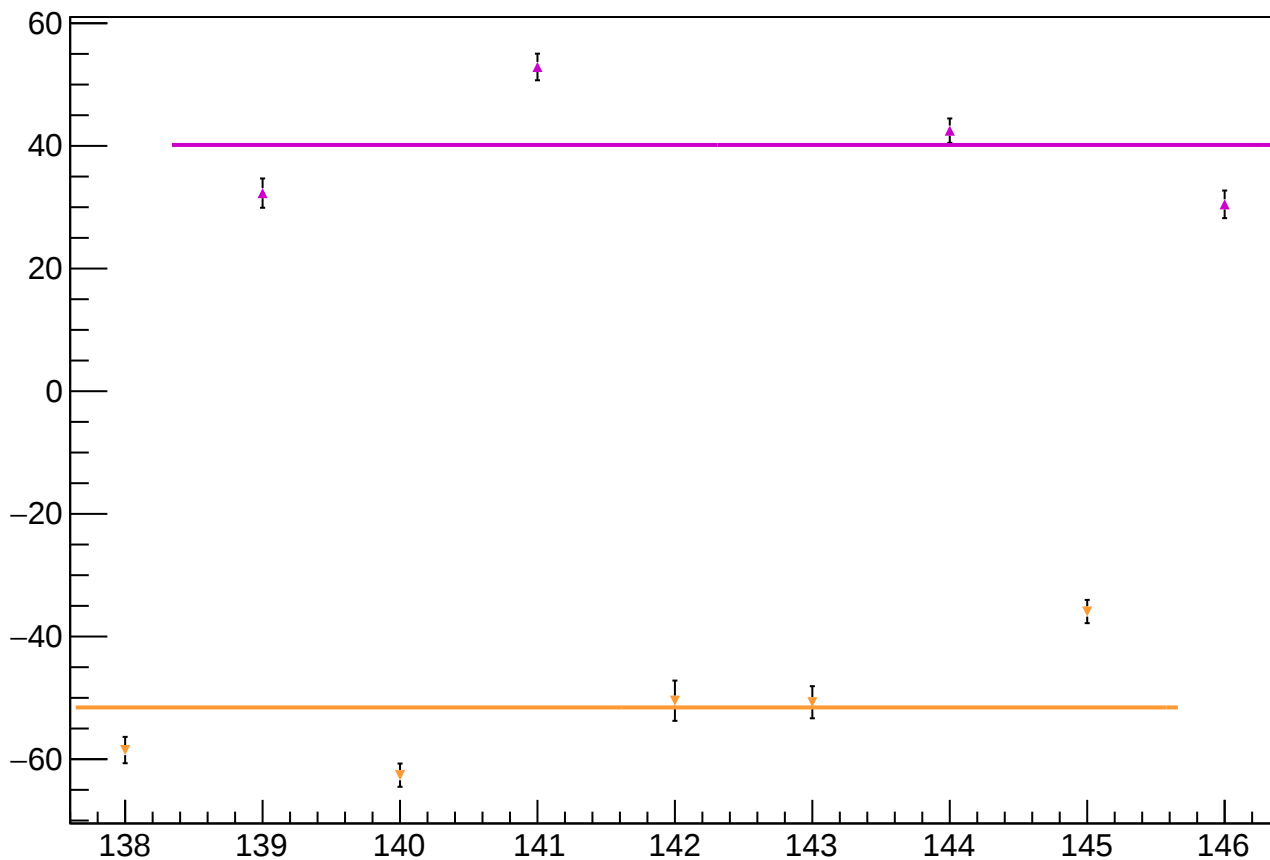
Left In: -0.419 ± 0.007 χ^2/NDF : 139.6/3

0.360 ± 0.005 χ^2/NDF : 812.6/21

0.022 ± 0.004 χ^2/NDF : 10951.9/45

-0.346 ± 0.005 χ^2/NDF : 1384.4/23

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -51.564+/-0.994 χ^2 /NDF:112.7/4

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

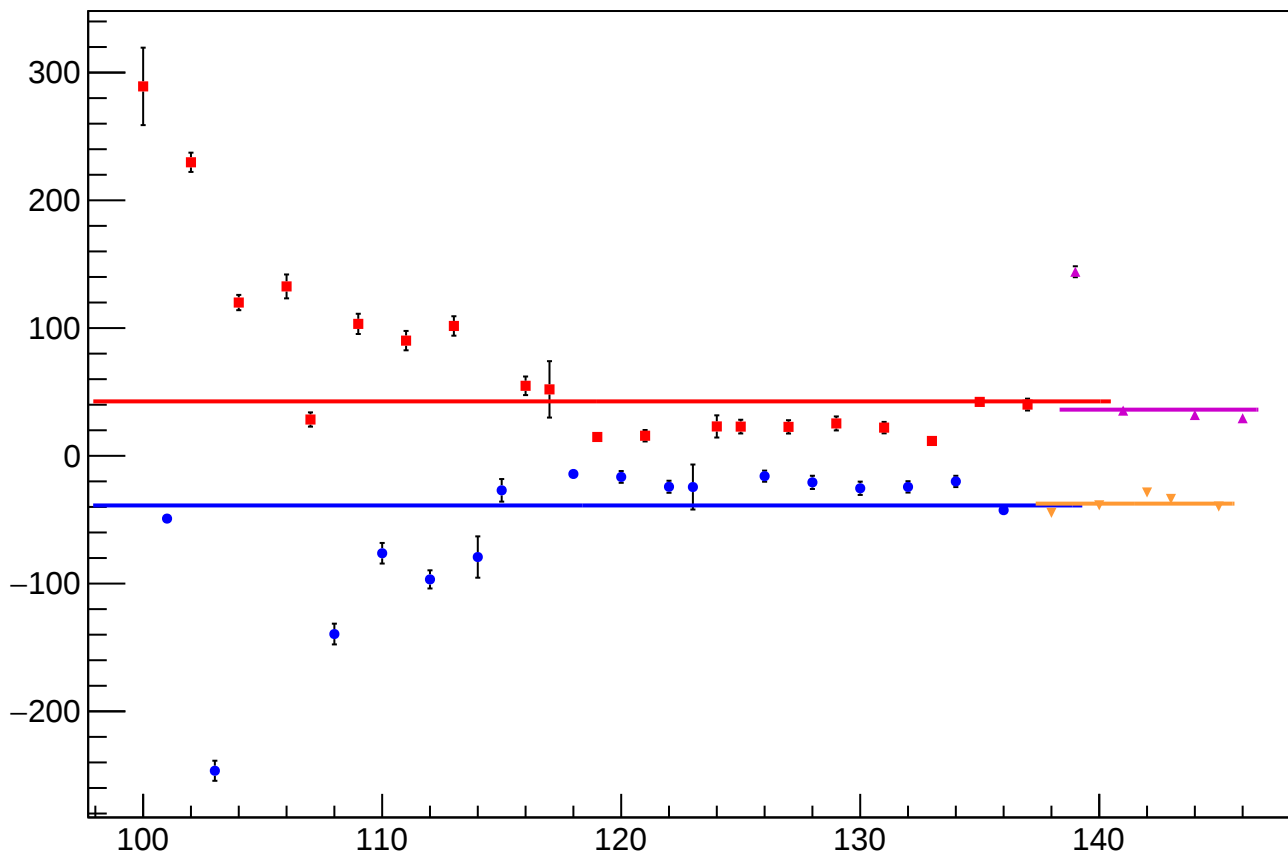
Left In: 40.153+/-1.092 χ^2 /NDF:65.0/3

-51.564+/-0.994 χ^2 /NDF: 112.7/4

-10.011+/-0.735 χ^2 /NDF: 4034.5/8

40.153+/-1.092 χ^2 /NDF: 65.0/3

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -37.418 ± 0.788 $\chi^2/\text{NDF}: 36.7/4$

Right Out: 42.614 ± 1.208 $\chi^2/\text{NDF}: 1345.9/19$

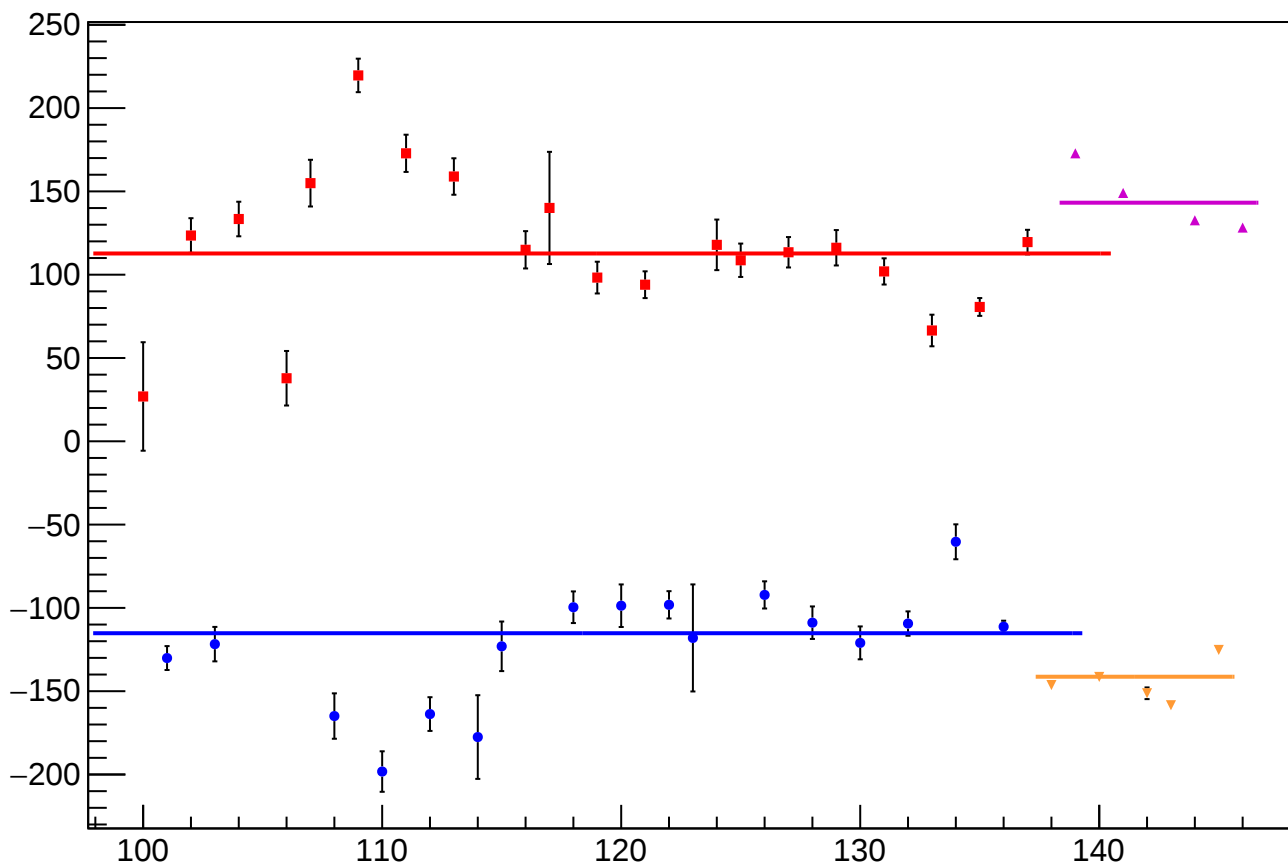
Left In: 36.143 ± 0.819 $\chi^2/\text{NDF}: 668.1/3$

-37.874 ± 0.650 $\chi^2/\text{NDF}: 1159.6/21$

-1.482 ± 0.469 $\chi^2/\text{NDF}: 9754.1/45$

38.181 ± 0.678 $\chi^2/\text{NDF}: 2033.6/23$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -141.313 ± 1.063 $\chi^2/\text{NDF}: 113.6/4$

Right Out: 112.729 ± 2.205 $\chi^2/\text{NDF}: 273.1/19$

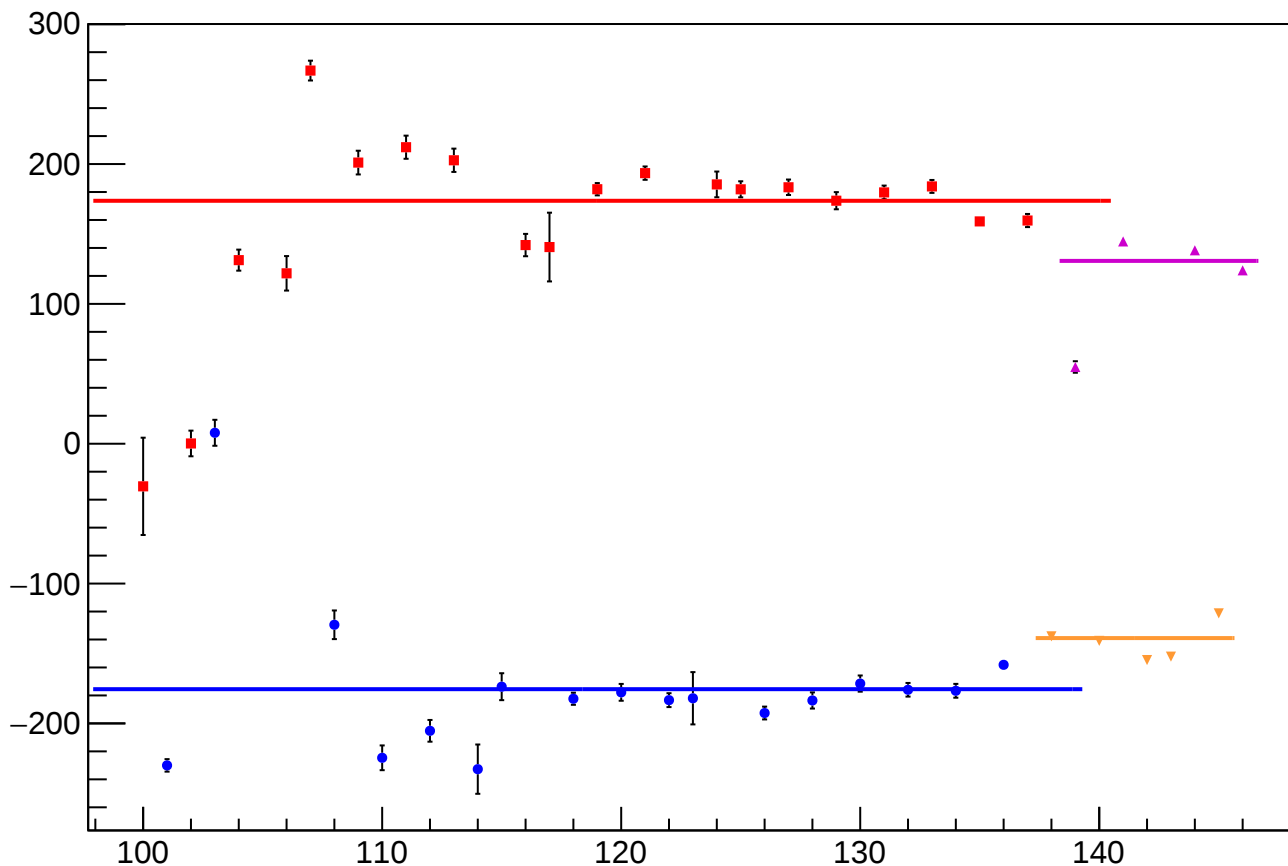
Left In: 143.209 ± 1.138 $\chi^2/\text{NDF}: 210.1/3$

-135.909 ± 0.947 $\chi^2/\text{NDF}: 379.2/21$

-8.497 ± 0.691 $\chi^2/\text{NDF}: 39771.8/45$

136.798 ± 1.011 $\chi^2/\text{NDF}: 634.2/23$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521+/-1.277 χ^2/NDF : 692.3/16

Left Out: -138.984+/-0.933 χ^2/NDF : 178.5/4

Right Out: 173.729+/-1.354 χ^2/NDF : 739.7/19

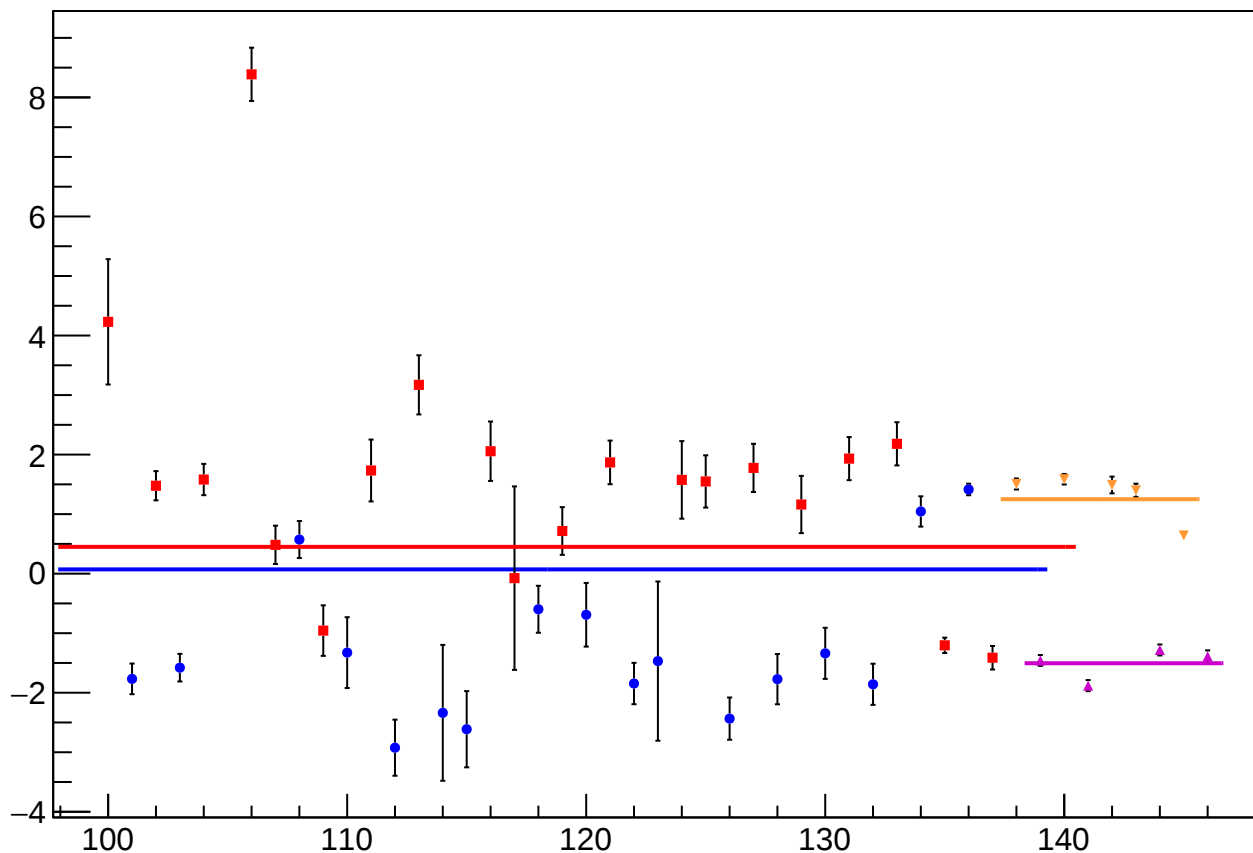
Left In: 130.745+/-0.985 χ^2/NDF : 430.3/3

-151.698+/-0.753 χ^2/NDF : 1404.5/21

-11.364+/-0.547 χ^2/NDF : 76745.1/45

145.621+/-0.797 χ^2/NDF : 1828.6/23

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 $\pm$ 0.067 χ^2/NDF : 525.2/16

Left Out: 1.250 $\pm$ 0.043 χ^2/NDF : 86.1/4

Right Out: 0.450 $\pm$ 0.071 χ^2/NDF : 751.4/19

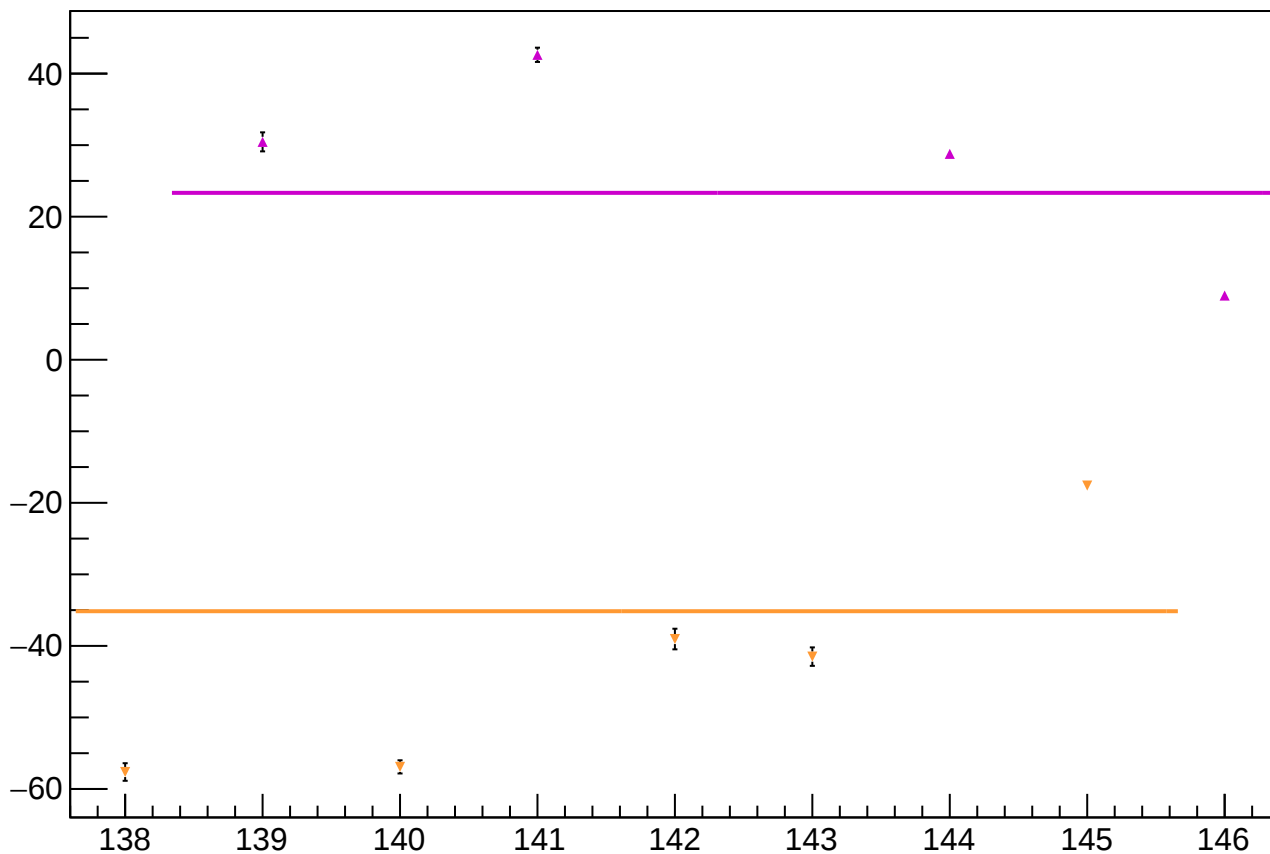
Left In: -1.505 $\pm$ 0.047 χ^2/NDF : 23.6/3

0.905 $\pm$ 0.036 χ^2/NDF : 829.3/21

0.067 $\pm$ 0.027 χ^2/NDF : 3283.7/45

-0.912 $\pm$ 0.039 χ^2/NDF : 1299.4/23

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.152+/-0.425 χ^2/NDF :1731.8/4

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

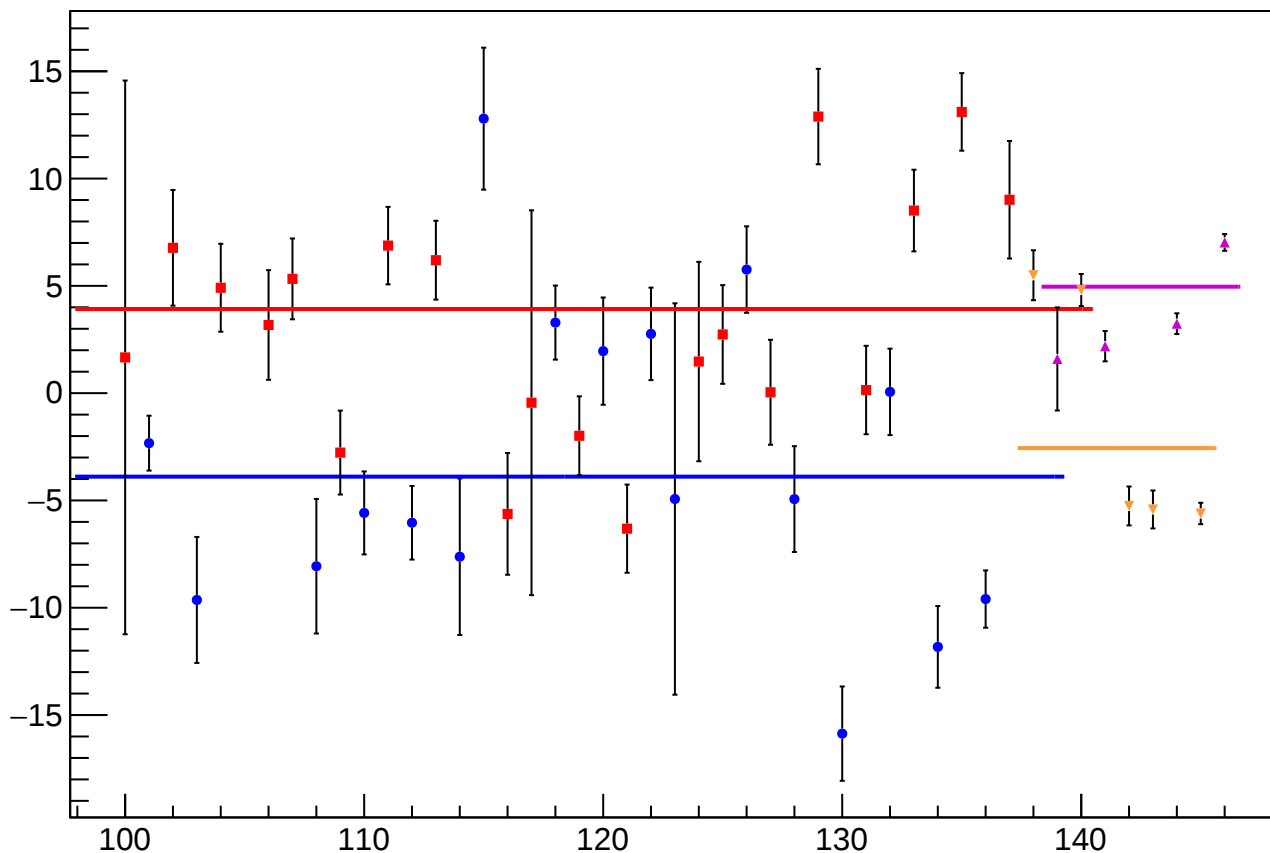
Left In: 23.331+/-0.402 χ^2/NDF :972.2/3

-35.152+/-0.425 χ^2/NDF : 1731.8/4

-4.303+/-0.292 χ^2/NDF : 12705.8/8

23.331+/-0.402 χ^2/NDF : 972.2/3

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -2.558 ± 0.332 $\chi^2/\text{NDF}: 202.2/4$

Right Out: 3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

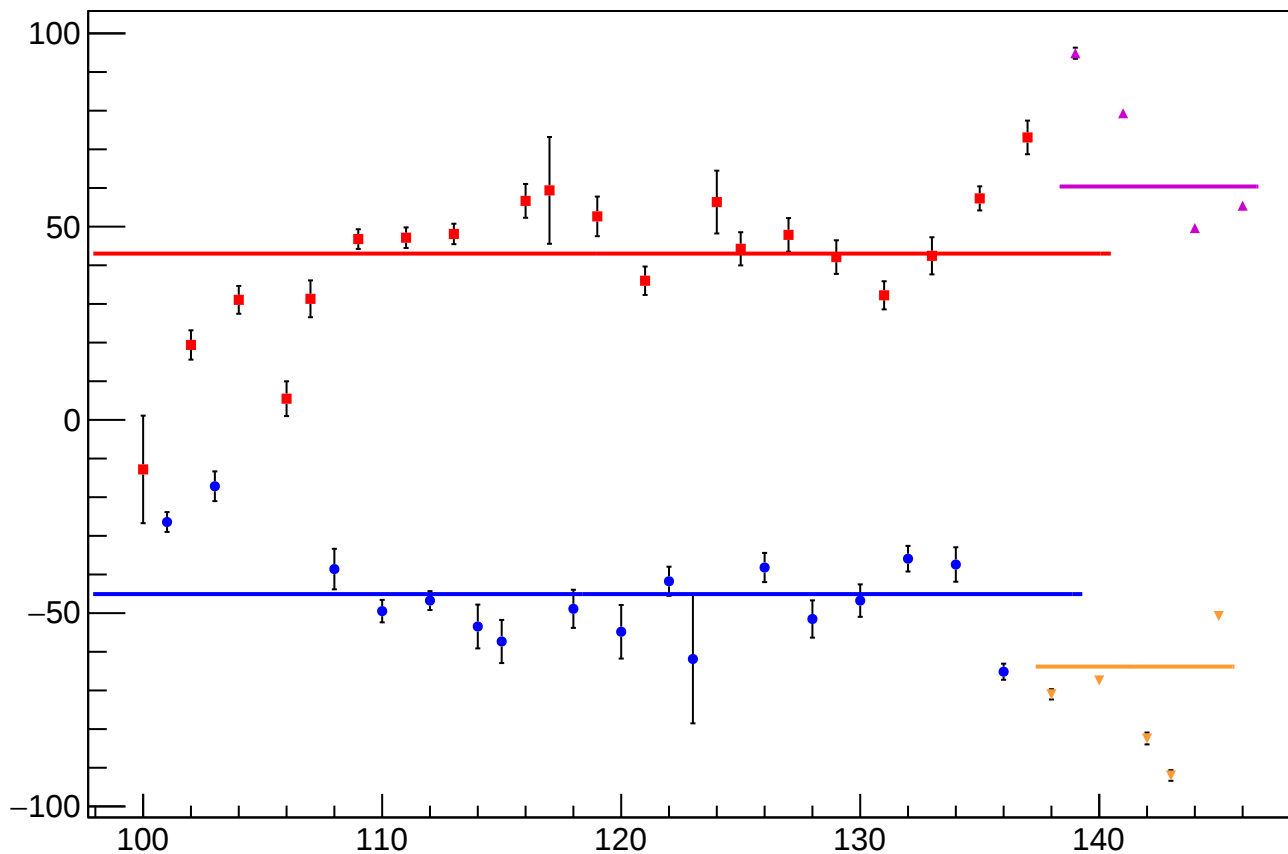
Left In: 4.961 ± 0.277 $\chi^2/\text{NDF}: 58.0/3$

-2.968 ± 0.277 $\chi^2/\text{NDF}: 367.7/21$

1.369 ± 0.183 $\chi^2/\text{NDF}: 987.6/45$

4.722 ± 0.243 $\chi^2/\text{NDF}: 183.6/23$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -63.827 ± 0.453 χ^2/NDF : 1004.4/4

Right Out: 43.025 ± 0.876 χ^2/NDF : 249.7/19

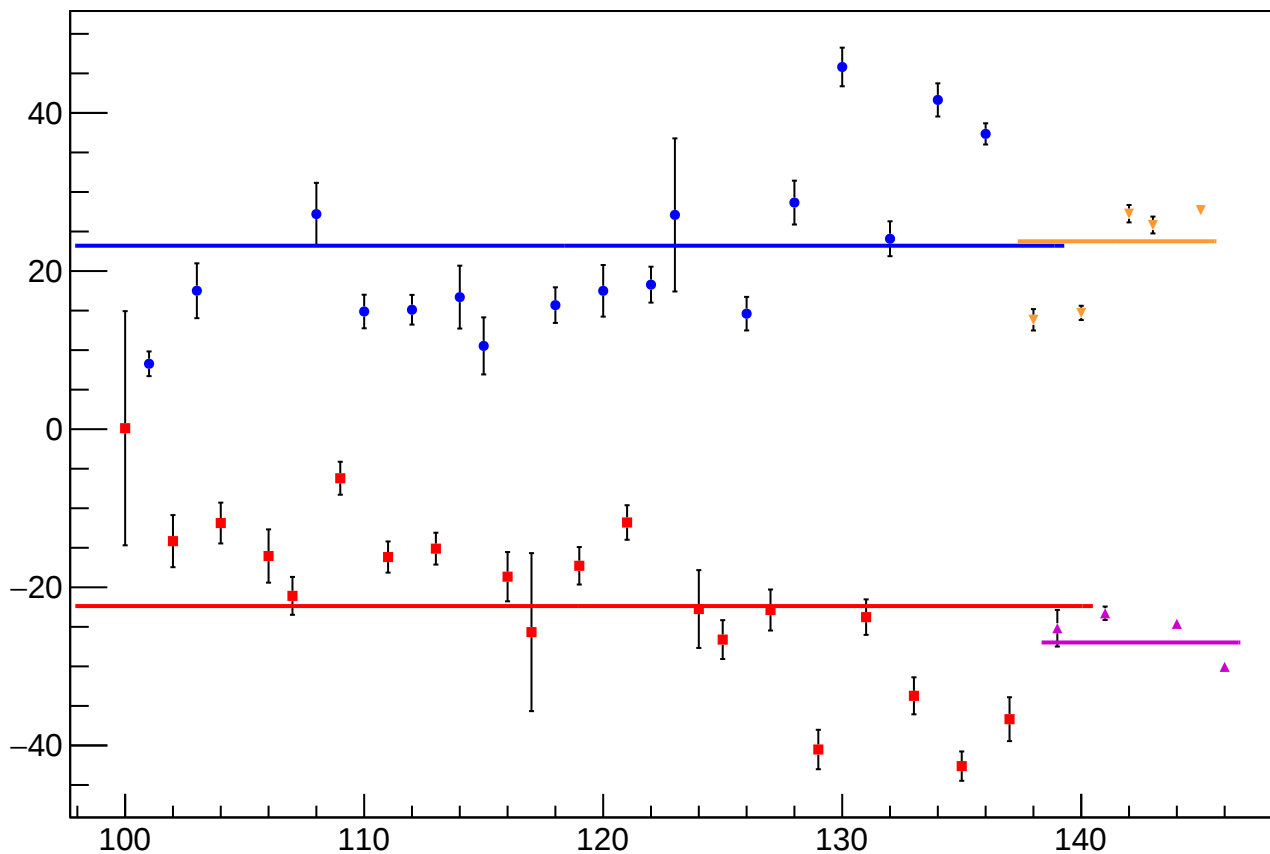
Left In: 60.384 ± 0.411 χ^2/NDF : 1175.9/3

-59.923 ± 0.403 χ^2/NDF : 1591.2/21

3.306 ± 0.273 χ^2/NDF : 48953.0/45

57.250 ± 0.372 χ^2/NDF : 1747.4/23

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2/NDF : 457.3/16

Left Out: 23.765 $\pm$ 0.392 χ^2/NDF : 215.1/4

Right Out: -22.372 $\pm$ 0.572 χ^2/NDF : 367.0/19

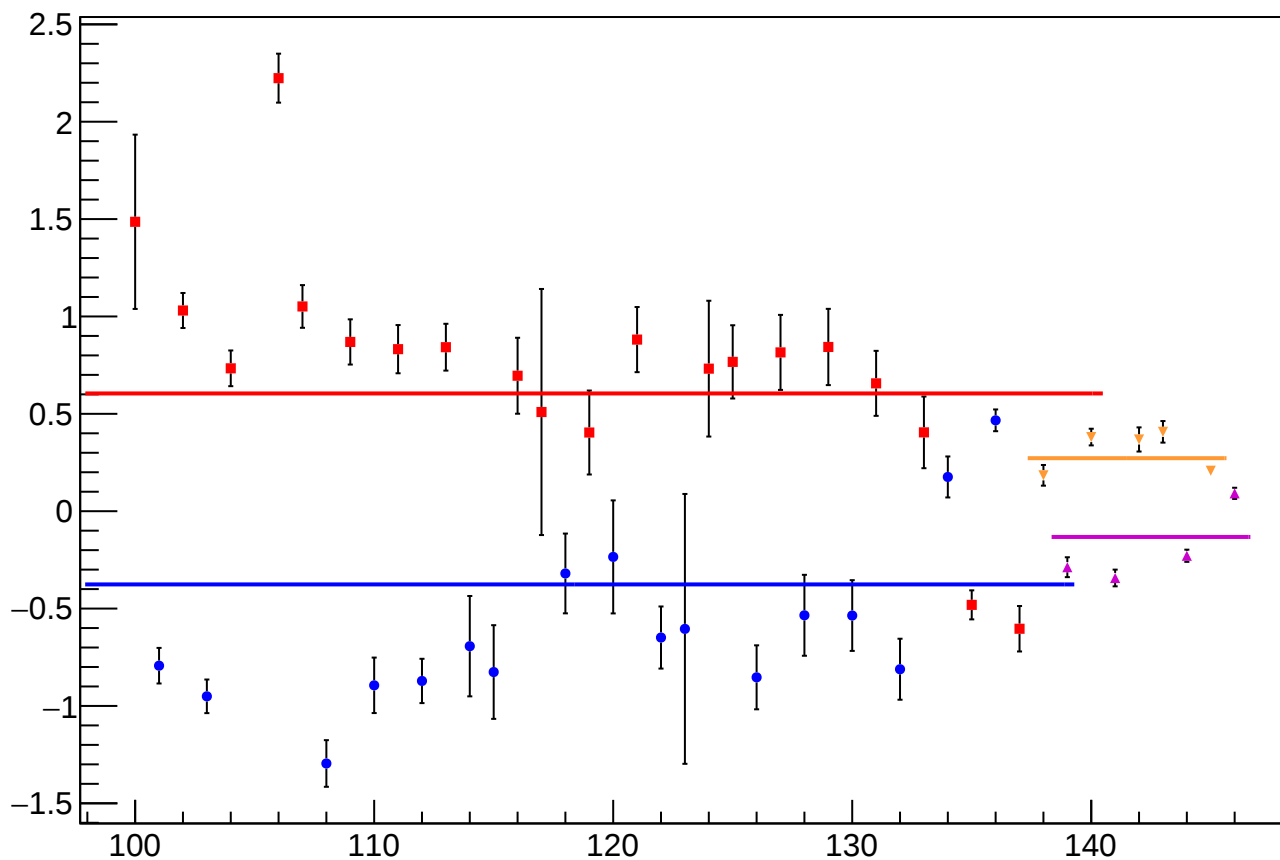
Left In: -26.977 $\pm$ 0.339 χ^2/NDF : 75.0/3

23.580 $\pm$ 0.321 χ^2/NDF : 673.0/21

-3.453 $\pm$ 0.216 χ^2/NDF : 14101.6/45

-25.777 $\pm$ 0.292 χ^2/NDF : 490.0/23

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.272 ± 0.018 $\chi^2/\text{NDF}: 23.8/4$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

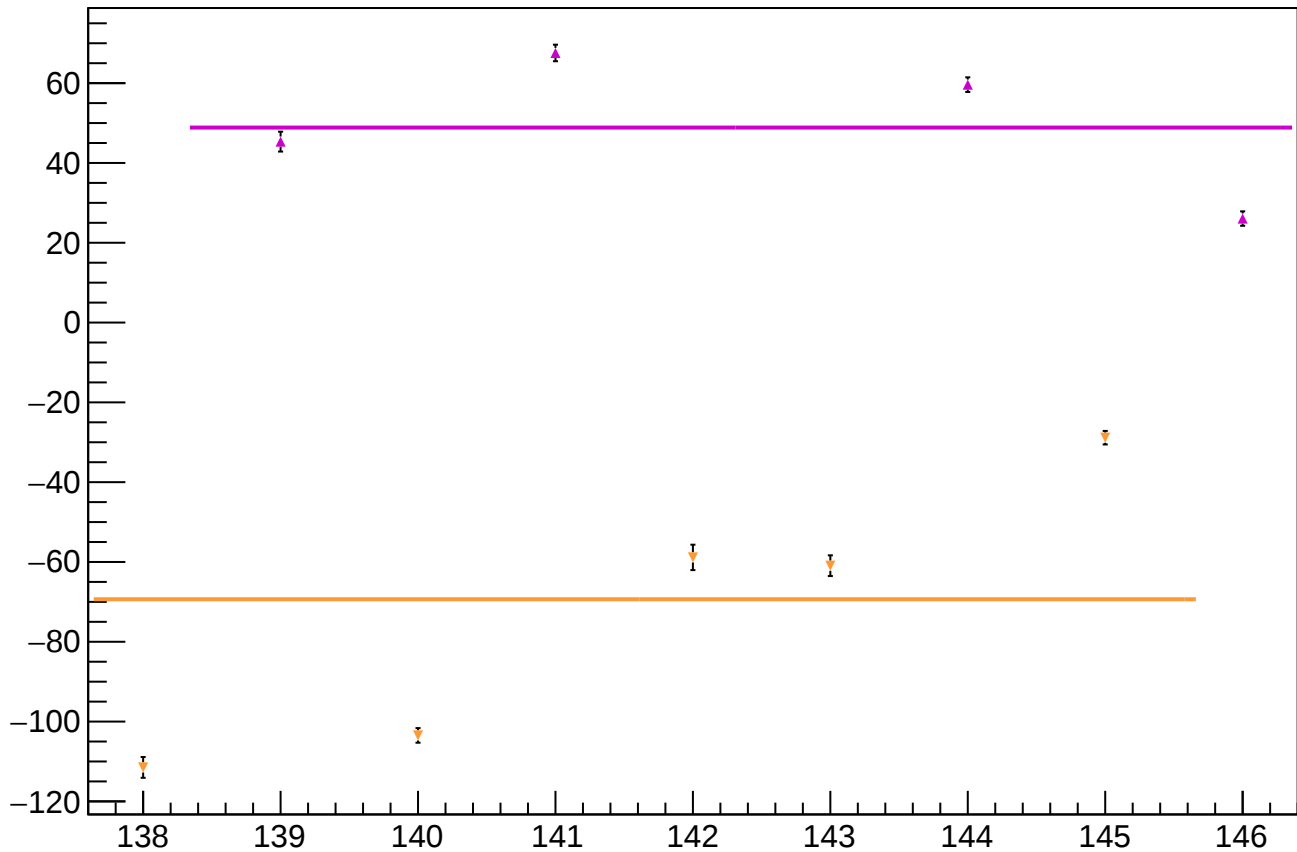
Left In: -0.132 ± 0.018 $\chi^2/\text{NDF}: 103.9/3$

0.098 ± 0.016 $\chi^2/\text{NDF}: 799.6/21$

0.077 ± 0.011 $\chi^2/\text{NDF}: 1900.6/45$

0.057 ± 0.015 $\chi^2/\text{NDF}: 1097.6/23$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -69.342+/-0.980 χ^2/NDF :1200.4/4

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

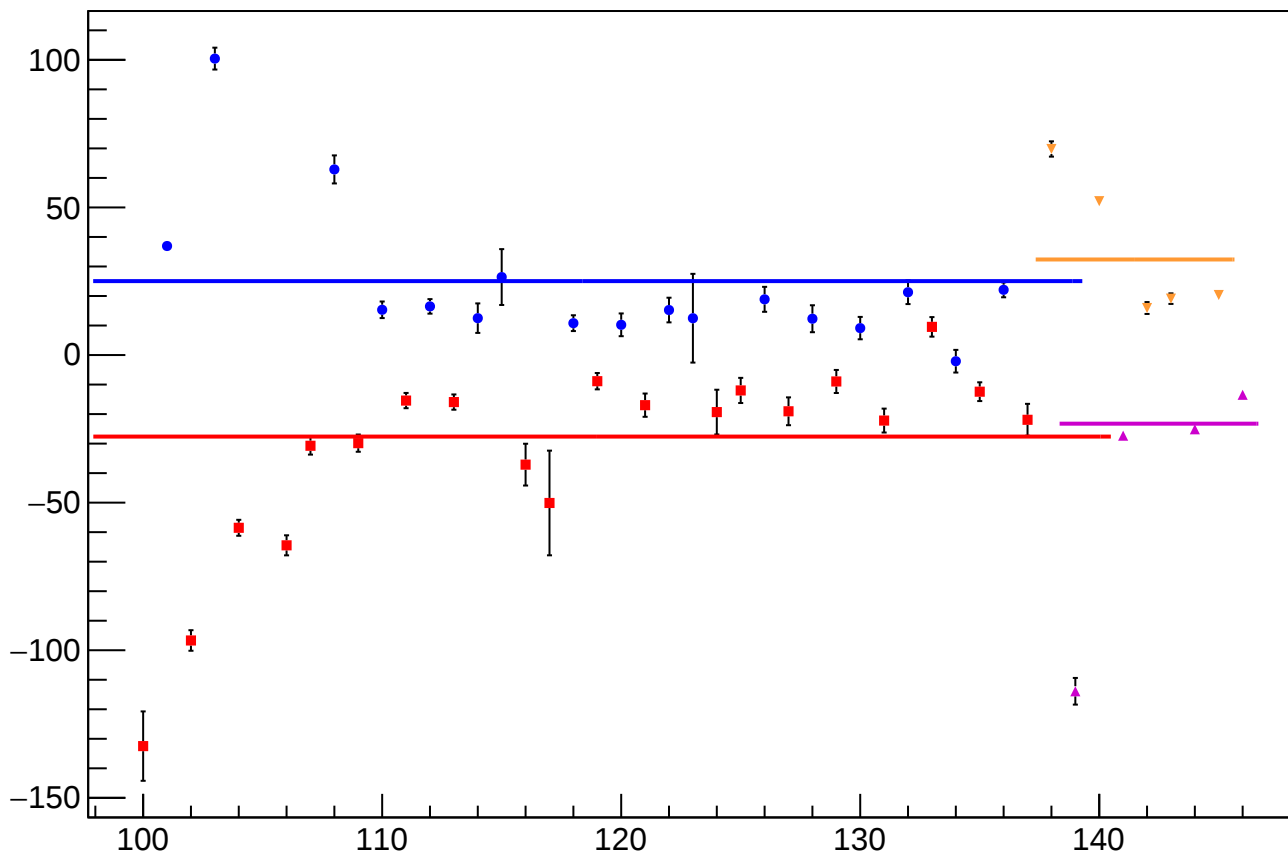
Left In: 48.868+/-1.003 χ^2/NDF :276.2/3

-69.342+/-0.980 χ^2/NDF : 1200.4/4

-11.567+/-0.701 χ^2/NDF : 8580.7/8

48.868+/-1.003 χ^2/NDF : 276.2/3

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 32.370 $\pm$ 0.775 χ^2 /NDF: 577.7/4

Right Out: -27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

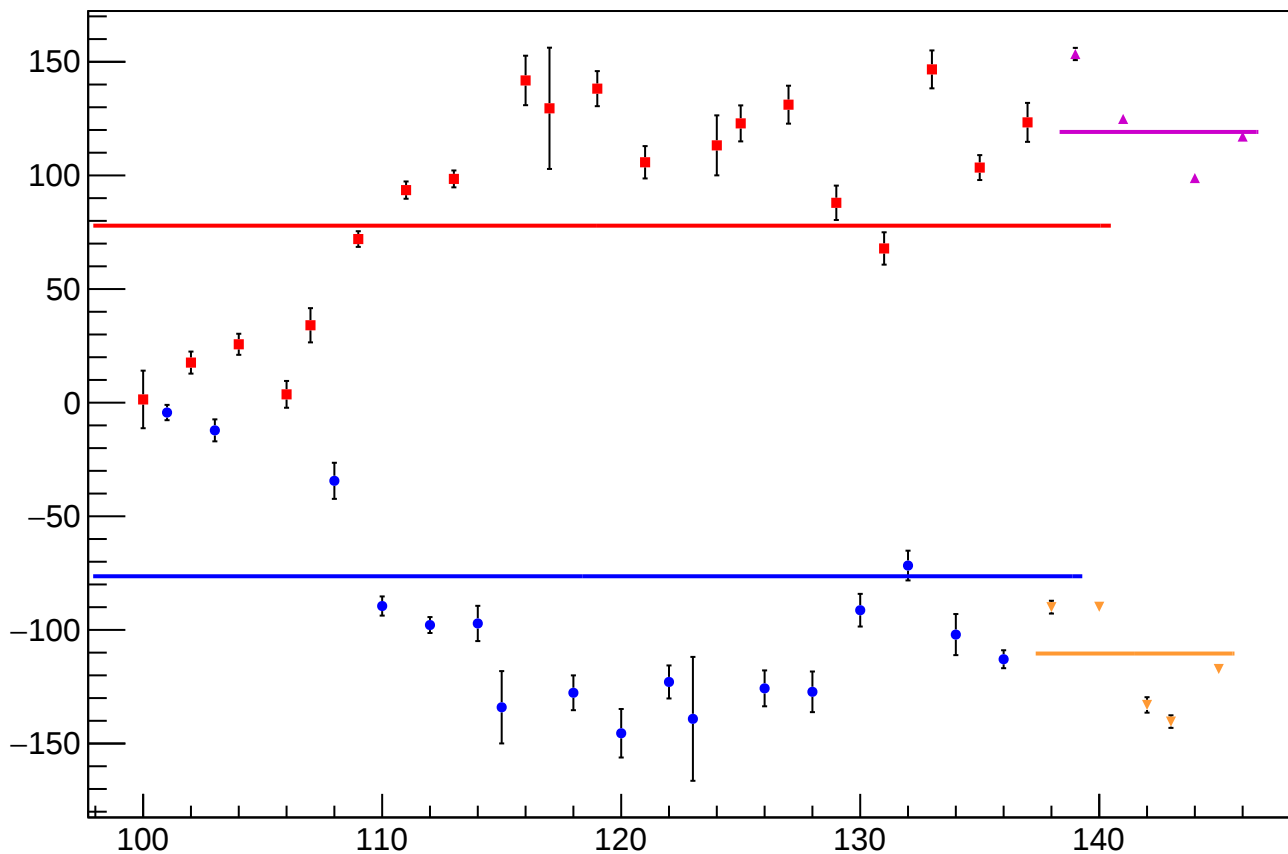
Left In: -23.251 $\pm$ 0.737 χ^2 /NDF: 484.9/3

28.852 $\pm$ 0.559 χ^2 /NDF: 1307.1/21

1.132 $\pm$ 0.390 χ^2 /NDF: 7624.0/45

-25.233 $\pm$ 0.545 χ^2 /NDF: 1515.2/23

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -110.397 ± 1.045 χ^2/NDF : 338.6/4

Right Out: 77.894 ± 1.351 χ^2/NDF : 876.4/19

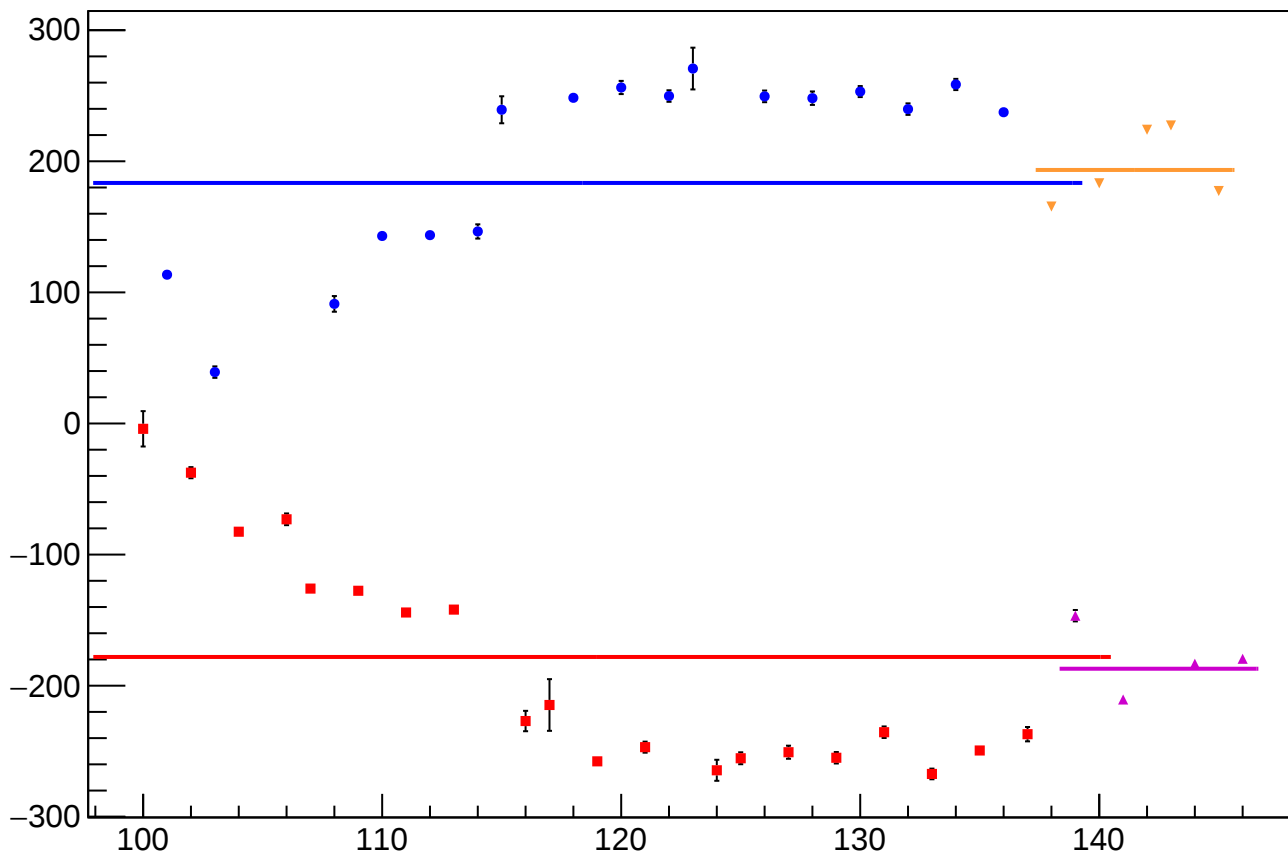
Left In: 119.138 ± 1.036 χ^2/NDF : 276.2/3

-98.409 ± 0.841 χ^2/NDF : 1743.9/21

4.992 ± 0.588 χ^2/NDF : 33062.4/45

103.862 ± 0.822 χ^2/NDF : 1739.3/23

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 +/- 0.919 χ^2/NDF : 5331.4/16

Left Out: 193.381 +/- 0.916 χ^2/NDF : 627.2/4

Right Out: -178.092 +/- 0.923 χ^2/NDF : 6349.2/19

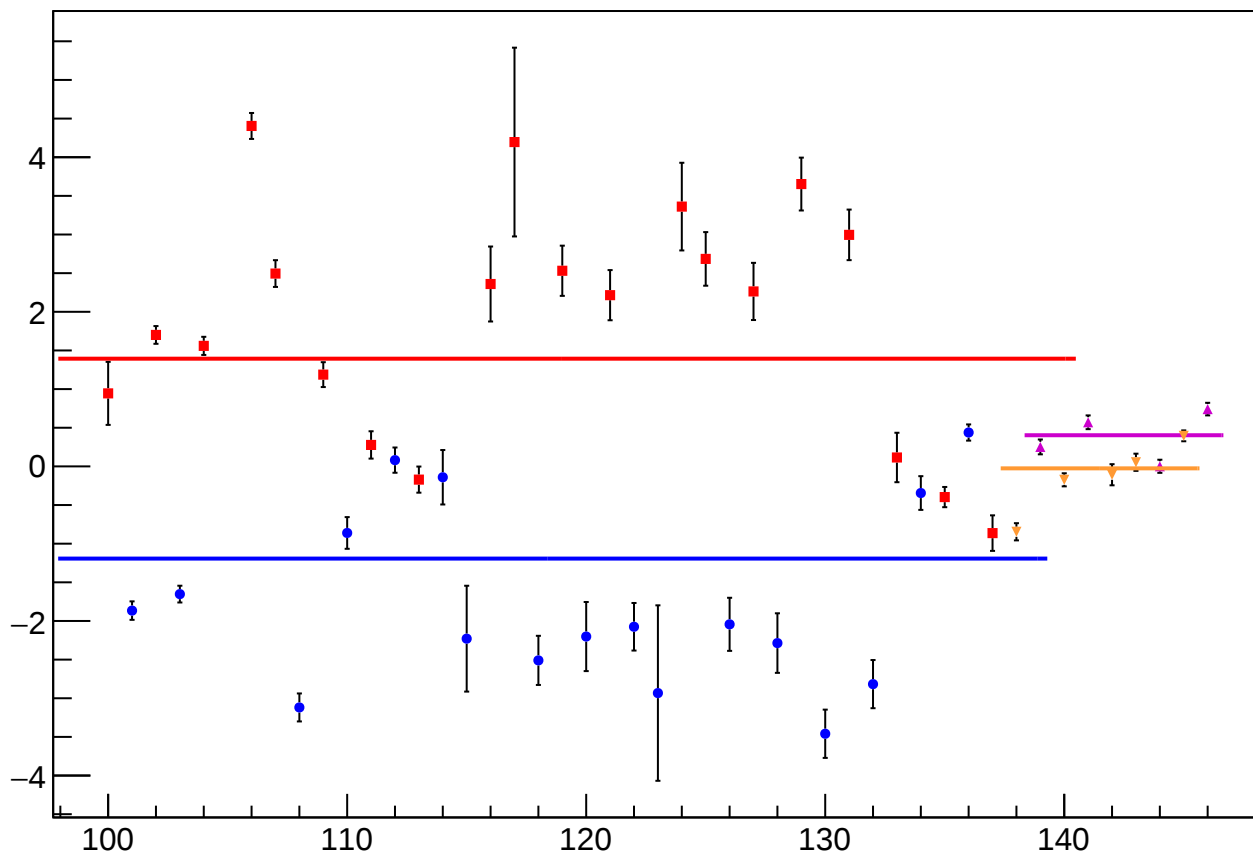
Left In: -187.067 +/- 0.887 χ^2/NDF : 294.8/3

188.442 +/- 0.649 χ^2/NDF : 6016.9/21

0.235 +/- 0.456 χ^2/NDF : 178693.9/45

-182.755 +/- 0.640 χ^2/NDF : 6693.1/23

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.025 ± 0.042 χ^2/NDF : 94.2/4

Right Out: 1.393 ± 0.046 χ^2/NDF : 925.8/19

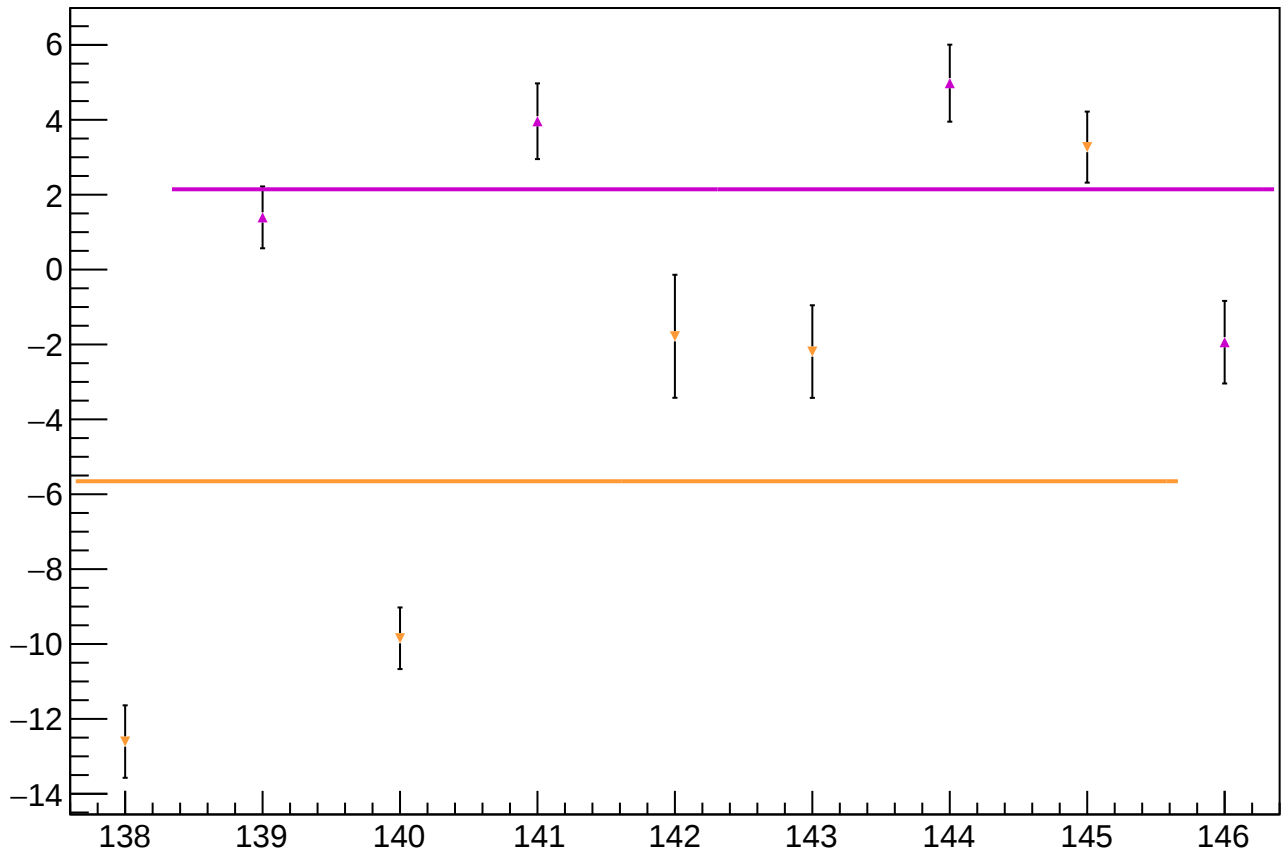
Left In: 0.403 ± 0.044 χ^2/NDF : 45.6/3

-0.535 ± 0.032 χ^2/NDF : 1047.0/21

0.175 ± 0.022 χ^2/NDF : 3251.3/45

0.875 ± 0.032 χ^2/NDF : 1216.4/23

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -5.653+/-0.462 χ^2/NDF : 179.5/4

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

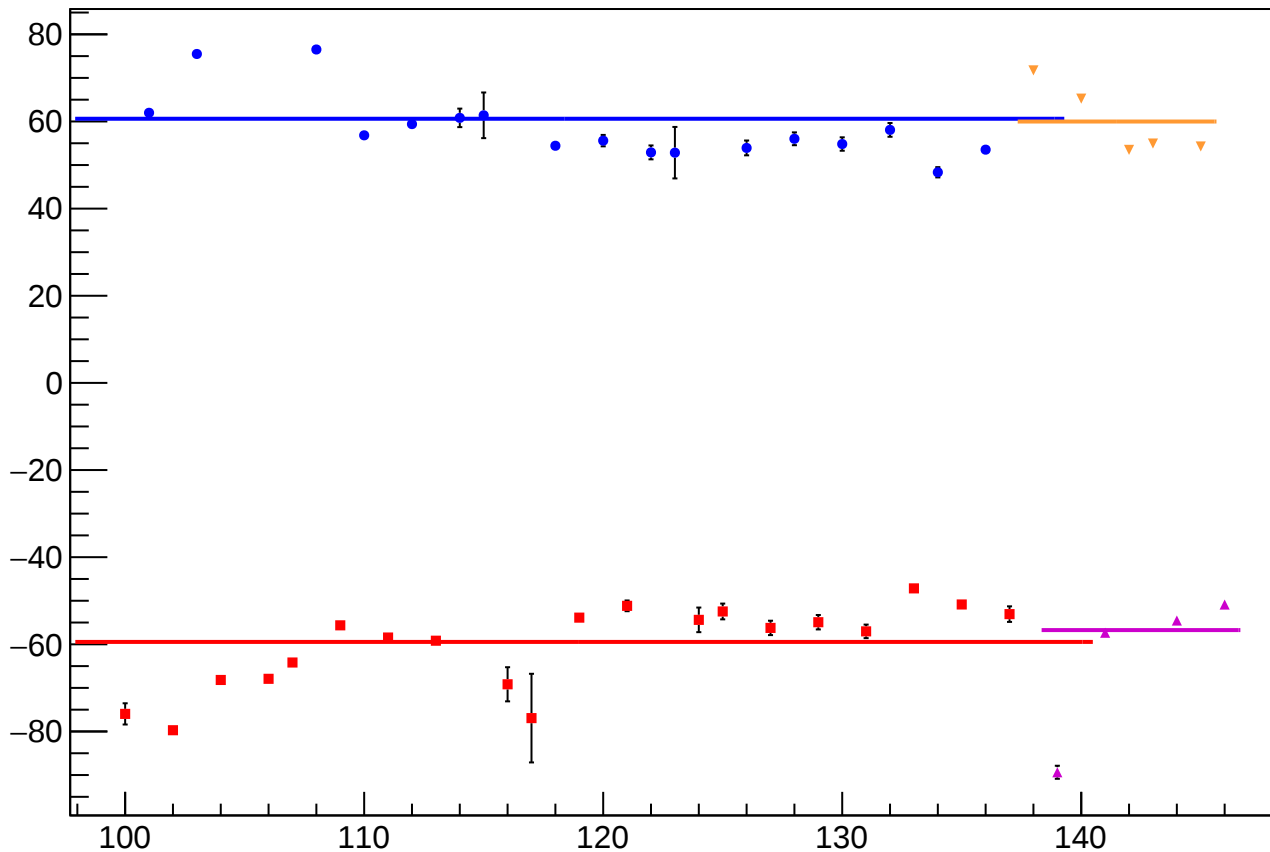
Left In: 2.144+/-0.487 χ^2/NDF : 25.4/3

-5.653+/-0.462 χ^2/NDF : 179.5/4

-1.960+/-0.335 χ^2/NDF : 339.7/8

2.144+/-0.487 χ^2/NDF : 25.4/3

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 59.988 $\pm$ 0.380 χ^2 /NDF: 311.7/4

Right Out: -59.448 $\pm$ 0.248 χ^2 /NDF: 1326.3/19

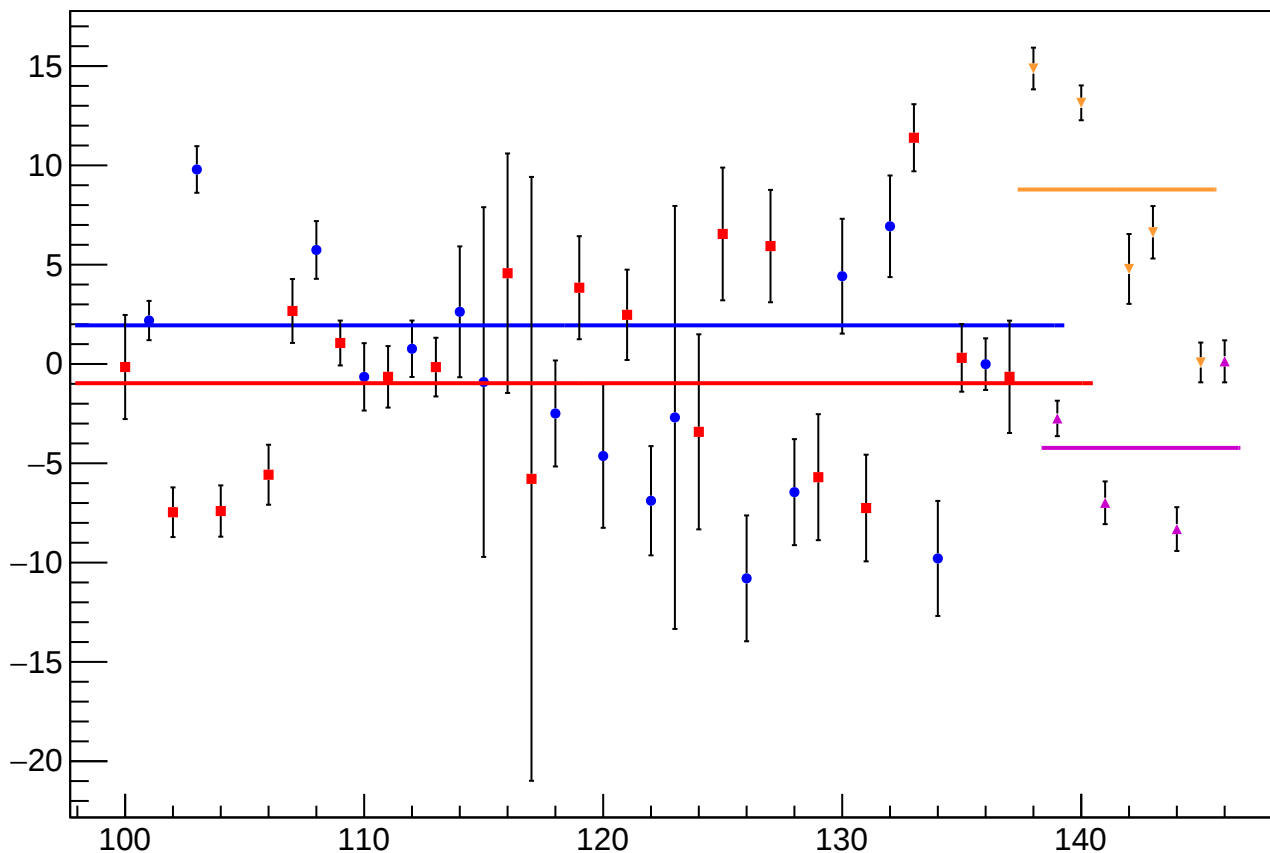
Left In: -56.733 $\pm$ 0.403 χ^2 /NDF: 552.5/3

60.419 $\pm$ 0.216 χ^2 /NDF: 1238.2/21

-0.616 $\pm$ 0.151 χ^2 /NDF: 158533.5/45

-58.703 $\pm$ 0.211 χ^2 /NDF: 1911.7/23

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 8.783 ± 0.494 χ^2/NDF : 141.8/4

Right Out: -0.968 ± 0.424 χ^2/NDF : 149.6/19

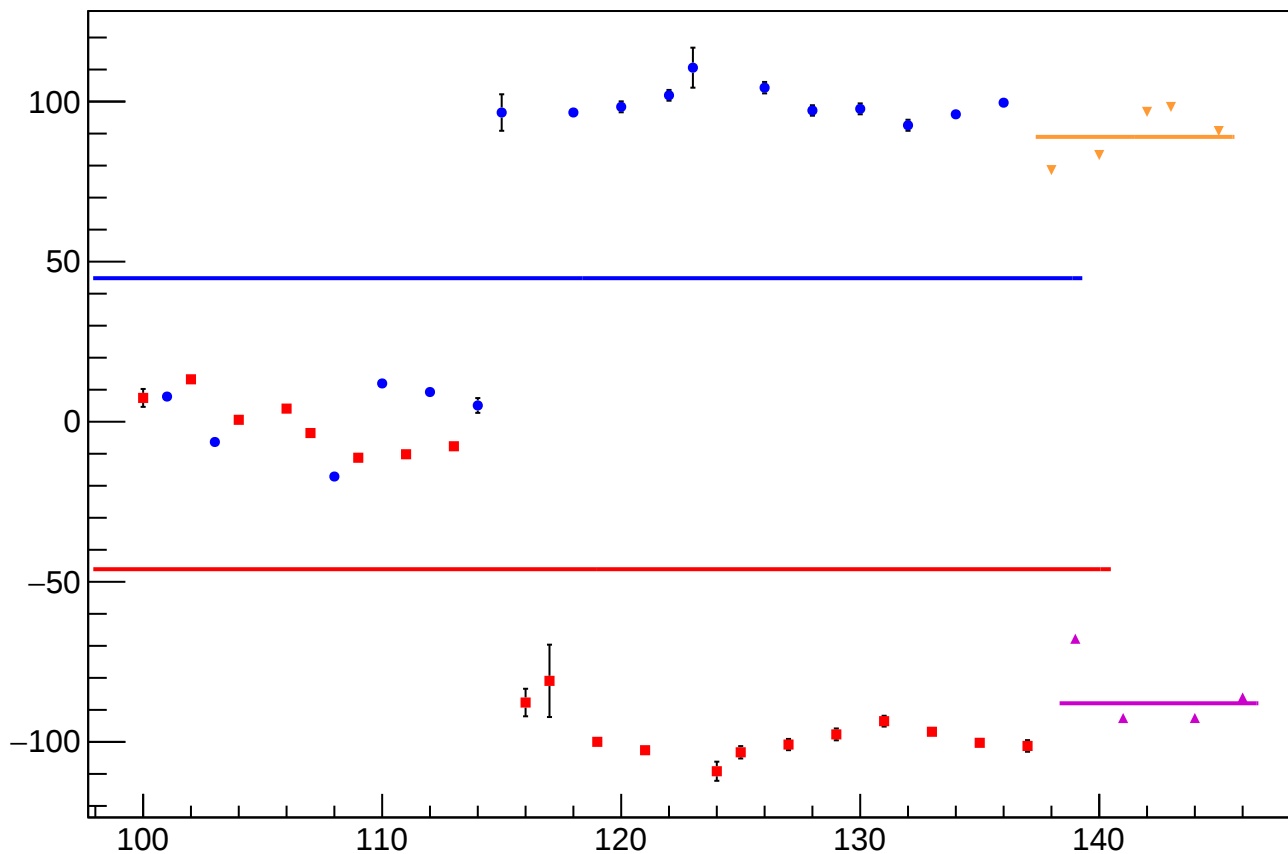
Left In: -4.224 ± 0.511 χ^2/NDF : 40.1/3

5.114 ± 0.336 χ^2/NDF : 365.4/21

1.298 ± 0.234 χ^2/NDF : 829.5/45

-2.298 ± 0.326 χ^2/NDF : 213.8/23

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 88.971+/-0.447 χ^2/NDF : 250.7/4

Right Out: -46.062+/-0.289 χ^2/NDF : 28272.9/19

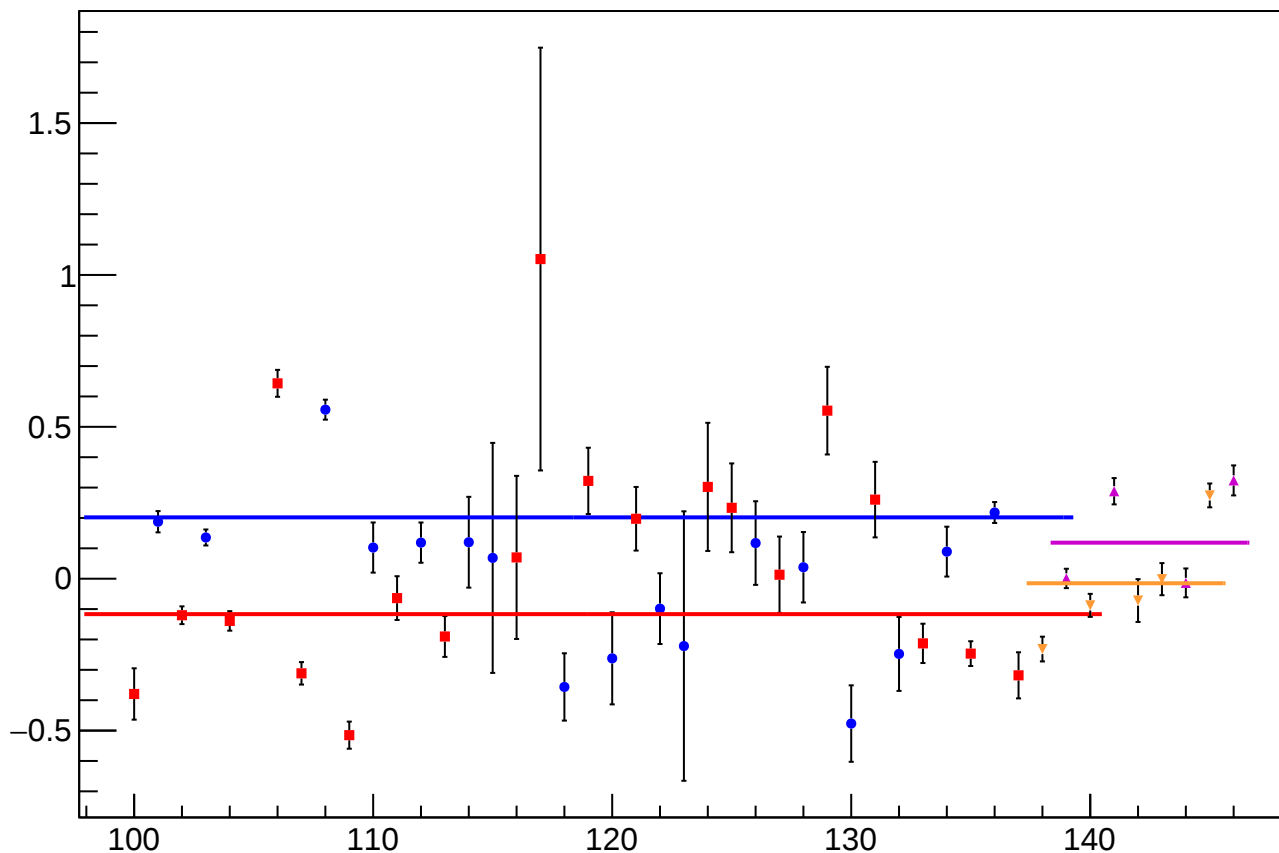
Left In: -87.939+/-0.476 χ^2/NDF : 254.9/3

58.817+/-0.252 χ^2/NDF : 31666.2/21

-0.337+/-0.176 χ^2/NDF : 174251.7/45

-57.370+/-0.247 χ^2/NDF : 34182.4/23

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.015 ± 0.020 χ^2/NDF : 87.0/4

Right Out: -0.117 ± 0.013 χ^2/NDF : 502.5/19

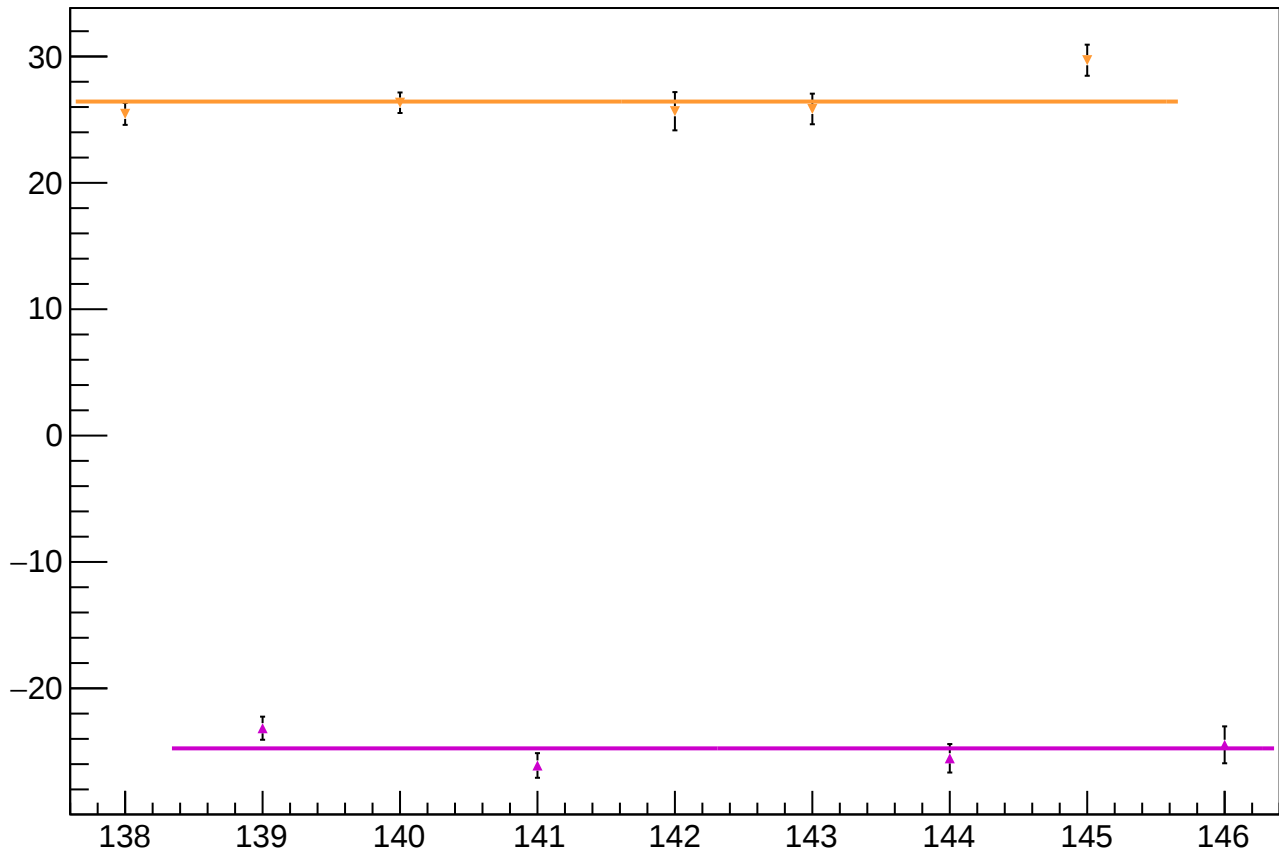
Left In: 0.119 ± 0.021 χ^2/NDF : 54.0/3

0.130 ± 0.011 χ^2/NDF : 381.9/21

0.037 ± 0.008 χ^2/NDF : 1158.8/45

-0.049 ± 0.011 χ^2/NDF : 650.0/23

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 26.434+/-0.466 χ^2/NDF : 8.8/4

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

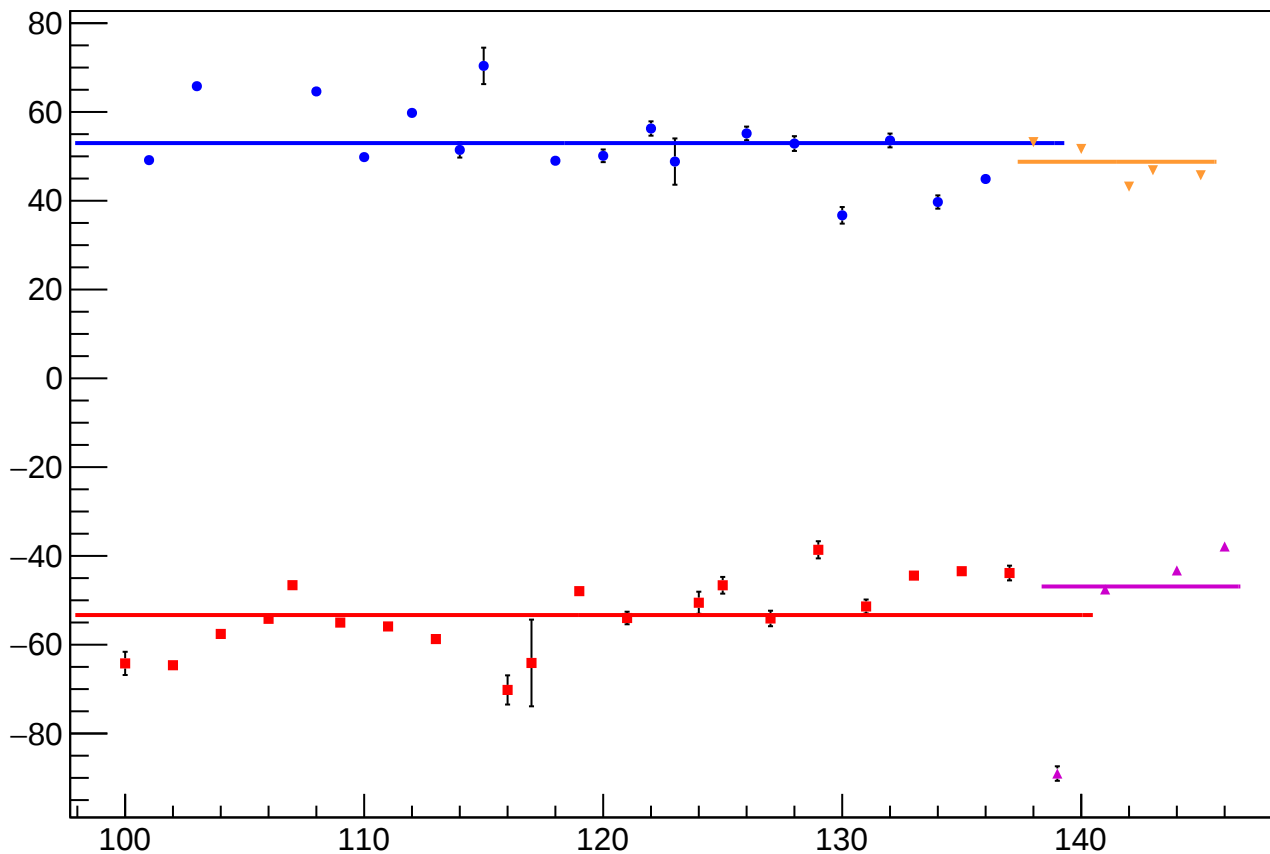
Left In: -24.752+/-0.534 χ^2/NDF : 5.5/3

26.434+/-0.466 χ^2/NDF : 8.8/4

4.336+/-0.351 χ^2/NDF : 5231.9/8

-24.752+/-0.534 χ^2/NDF : 5.5/3

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 ± 0.211 χ^2/NDF : 1198.0/16

Left Out: 48.783 ± 0.379 χ^2/NDF : 91.1/4

Right Out: -53.320 ± 0.227 χ^2/NDF : 876.8/19

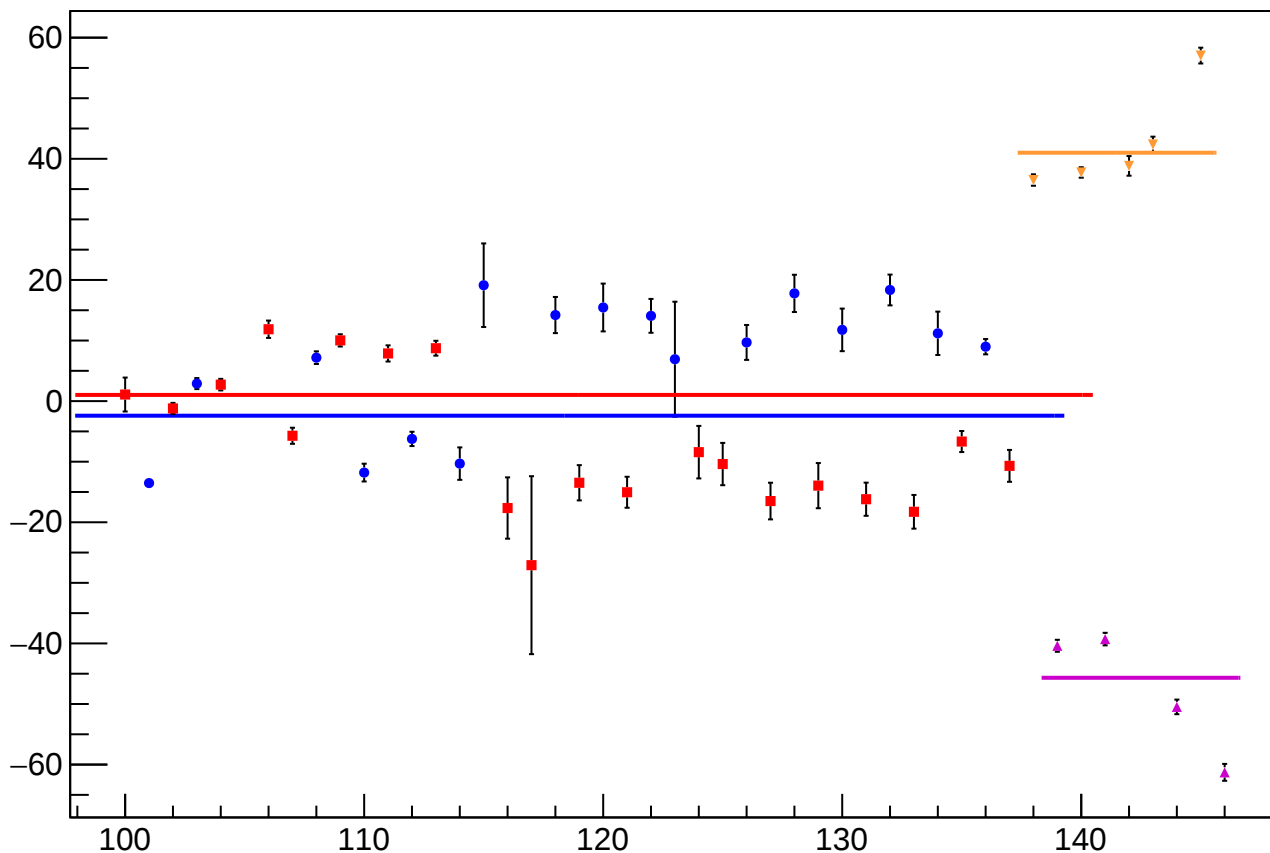
Left In: -46.886 ± 0.436 χ^2/NDF : 789.7/3

51.996 ± 0.184 χ^2/NDF : 1383.1/21

4.549 ± 0.136 χ^2/NDF : 148400.4/45

-51.953 ± 0.201 χ^2/NDF : 1837.8/23

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 $\chi^2/\text{NDF}: 834.6/16$

Left Out: 41.005 ± 0.499 $\chi^2/\text{NDF}: 190.8/4$

Right Out: 1.021 ± 0.377 $\chi^2/\text{NDF}: 511.2/19$

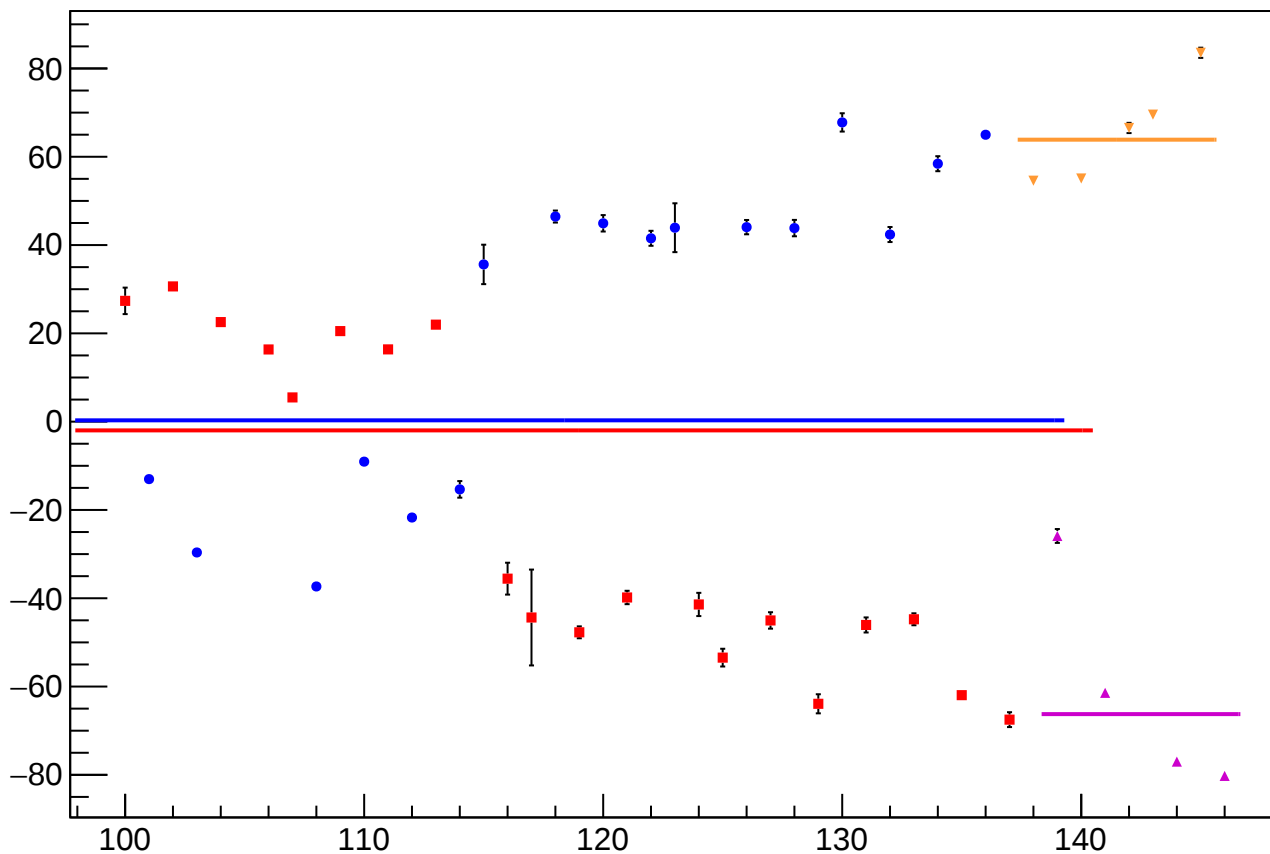
Left In: -45.671 ± 0.563 $\chi^2/\text{NDF}: 207.4/3$

12.704 ± 0.294 $\chi^2/\text{NDF}: 5968.6/21$

0.466 ± 0.214 $\chi^2/\text{NDF}: 15126.6/45$

-13.416 ± 0.313 $\chi^2/\text{NDF}: 5463.4/23$

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 63.870 ± 0.449 χ^2/NDF : 527.7/4

Right Out: -1.978 ± 0.267 χ^2/NDF : 15465.9/19

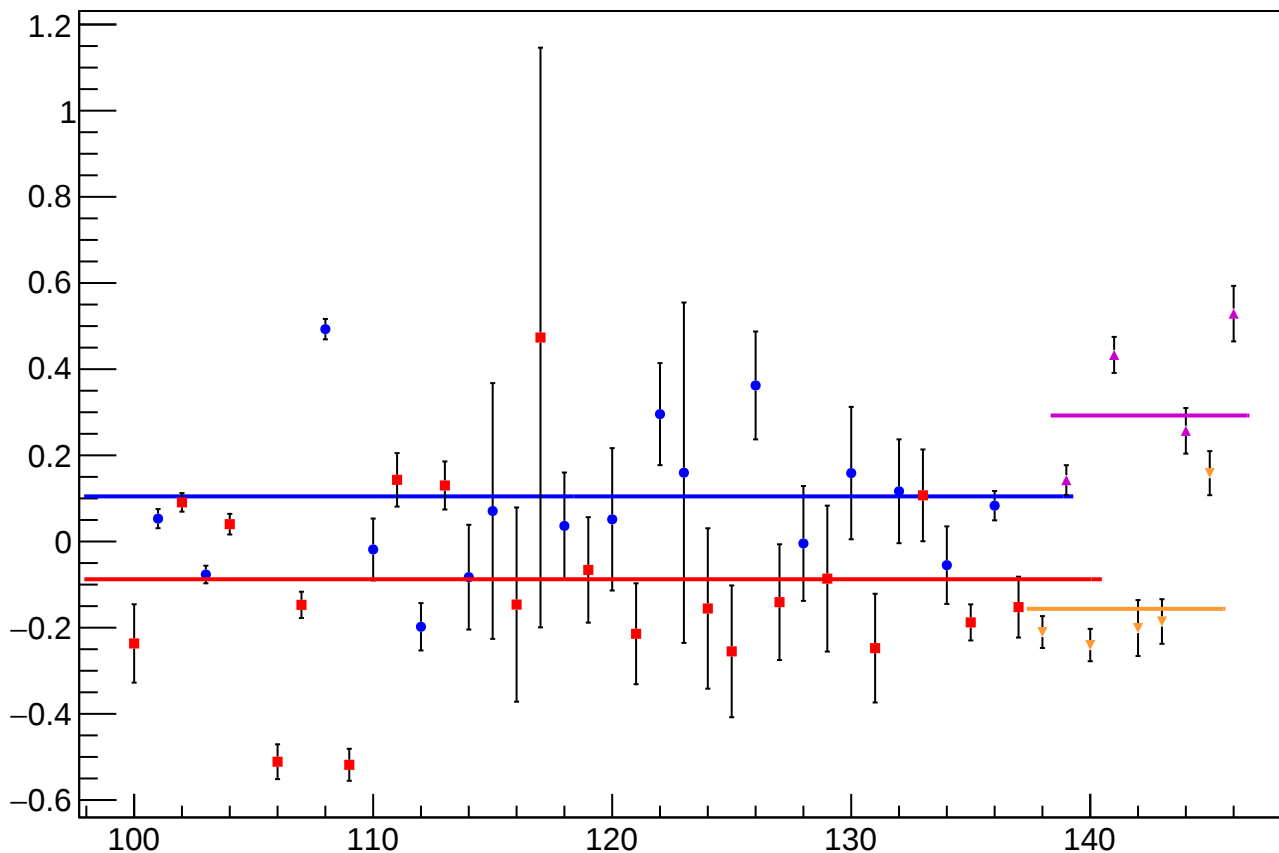
Left In: -66.243 ± 0.517 χ^2/NDF : 977.4/3

15.119 ± 0.217 χ^2/NDF : 34175.5/21

1.195 ± 0.160 χ^2/NDF : 71881.8/45

-15.458 ± 0.237 χ^2/NDF : 28636.9/23

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 $\pm$ 0.011 χ^2 /NDF: 400.8/16

Left Out: -0.156 $\pm$ 0.020 χ^2 /NDF:45.9/4

Right Out: -0.088 $\pm$ 0.011 χ^2 /NDF: 391.6/19

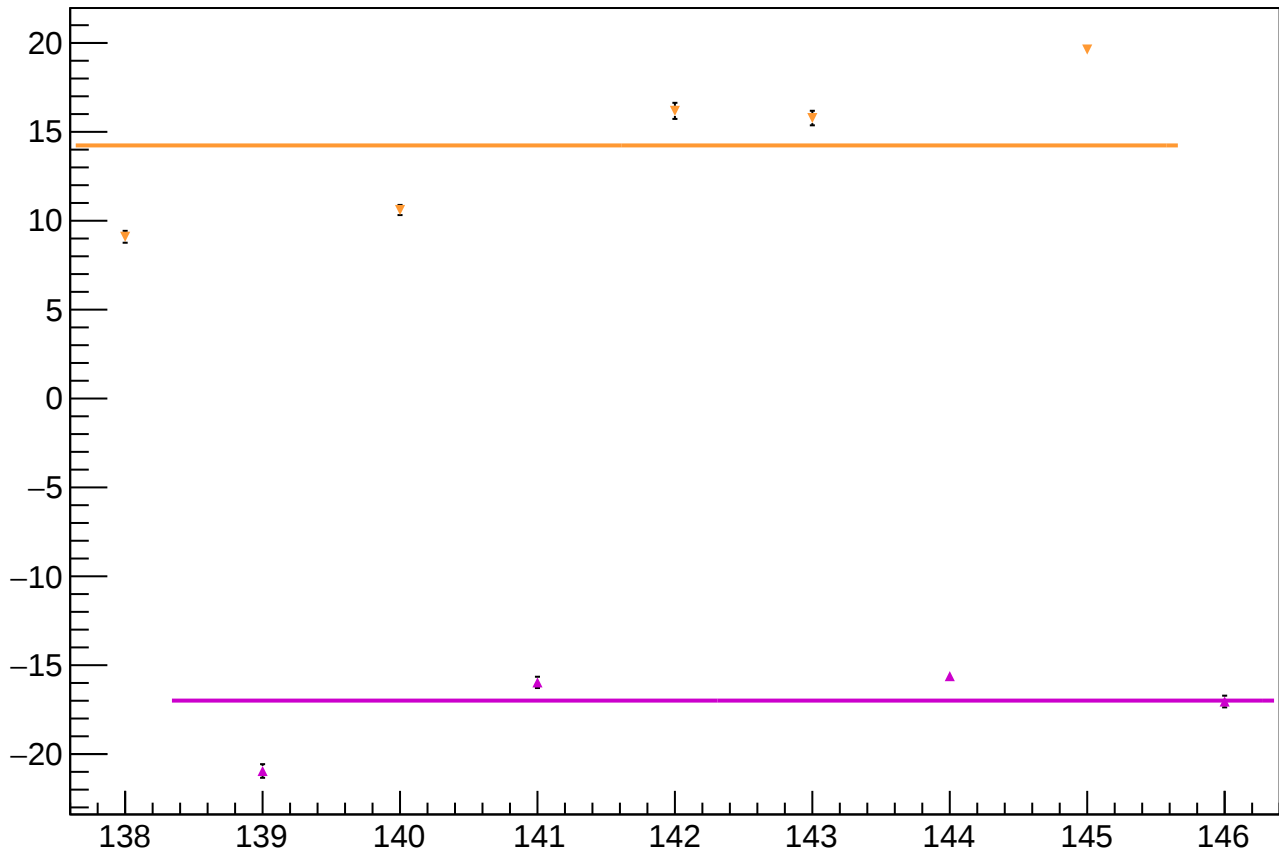
Left In: 0.292 $\pm$ 0.022 χ^2 /NDF:43.9/3

0.045 $\pm$ 0.010 χ^2 /NDF: 574.3/21

0.016 $\pm$ 0.007 χ^2 /NDF: 1260.1/45

-0.013 $\pm$ 0.010 χ^2 /NDF: 667.9/23

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.237+/-0.148 χ^2/NDF : 817.9/4

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

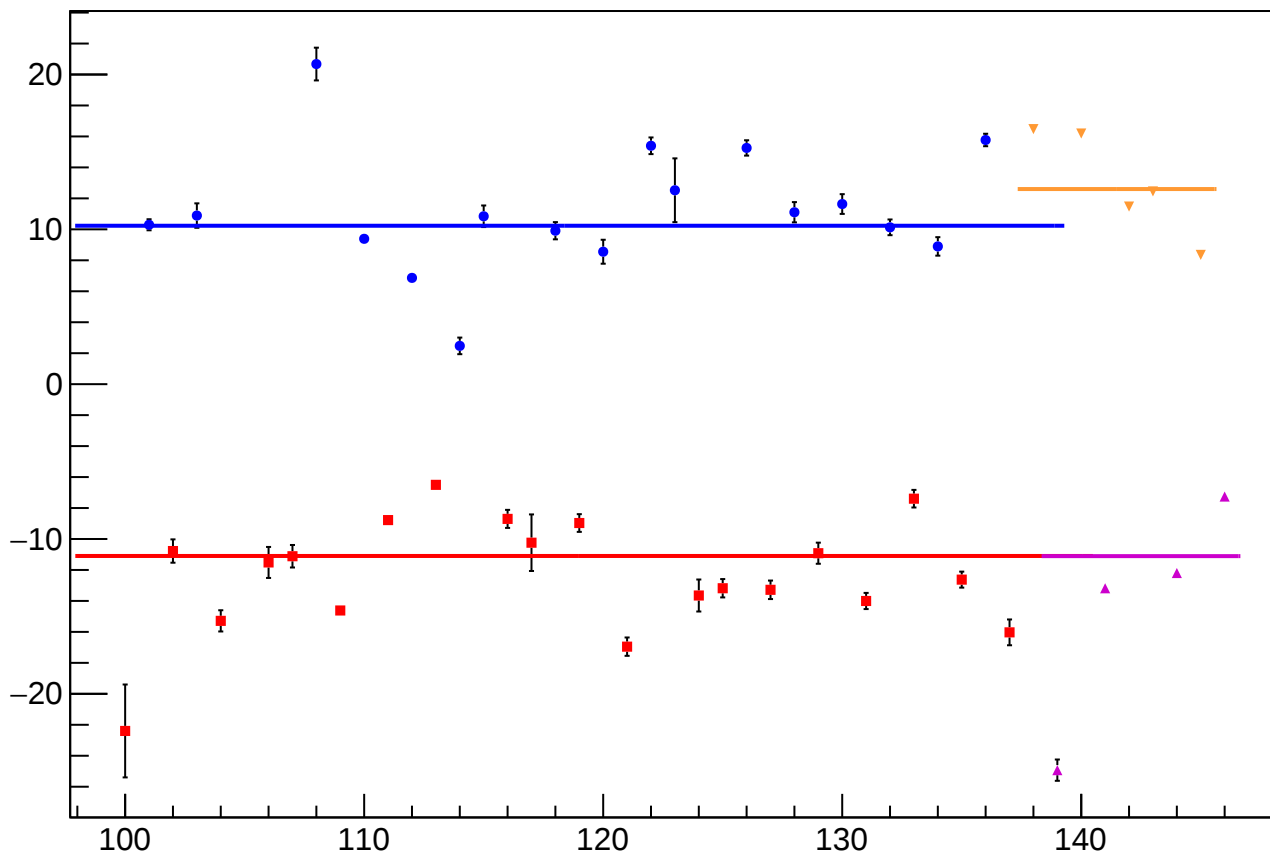
Left In: -16.991+/-0.161 χ^2/NDF : 140.7/3

14.237+/-0.148 χ^2/NDF : 817.9/4

-0.074+/-0.109 χ^2/NDF : 21247.6/8

-16.991+/-0.161 χ^2/NDF : 140.7/3

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 12.603 ± 0.116 χ^2/NDF : 777.3/4

Right Out: -11.096 ± 0.116 χ^2/NDF : 818.0/19

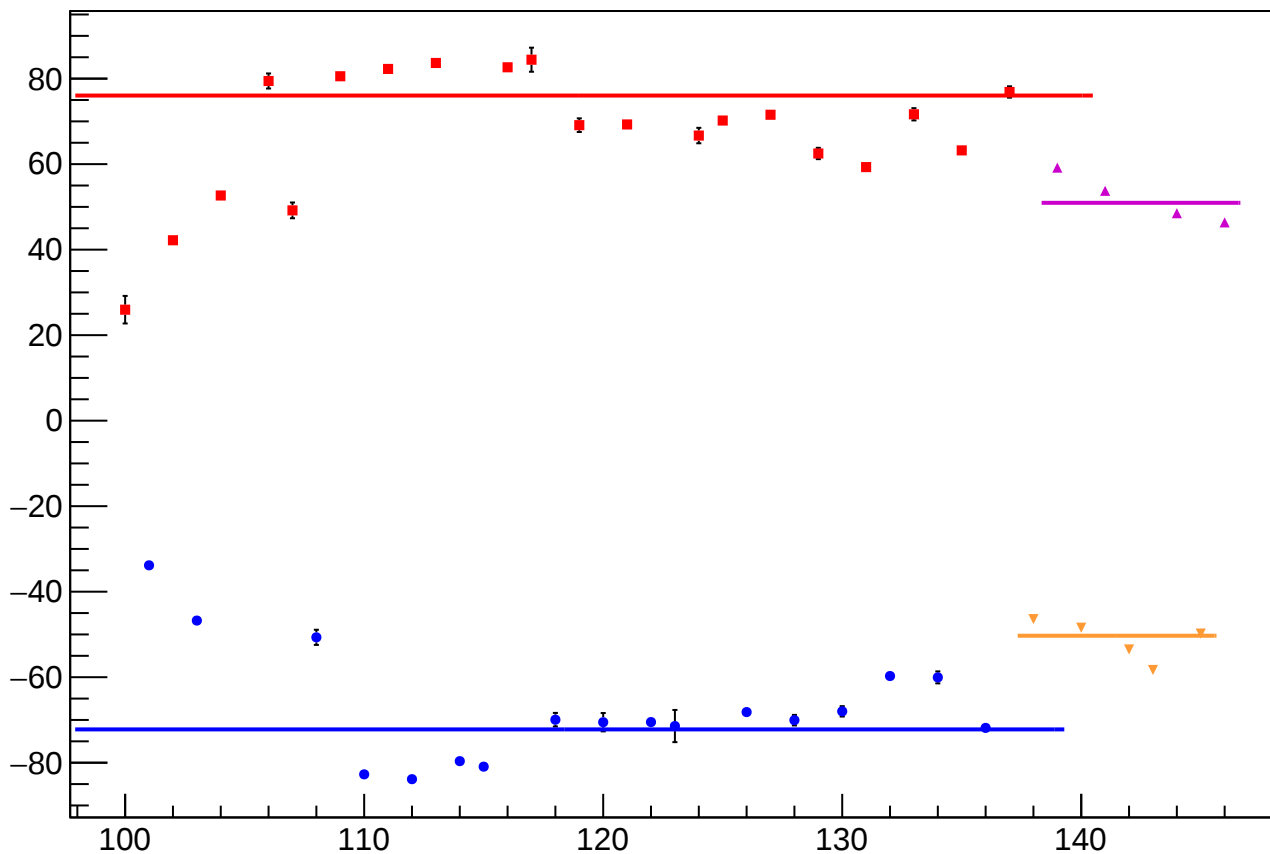
Left In: -11.107 ± 0.118 χ^2/NDF : 892.1/3

11.451 ± 0.083 χ^2/NDF : 1856.5/21

0.114 ± 0.059 χ^2/NDF : 40461.6/45

-11.102 ± 0.083 χ^2/NDF : 1710.2/23

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 $\pm$ 0.198 χ^2 /NDF: 5566.2/16

Left Out: -50.300 $\pm$ 0.159 χ^2 /NDF: 536.6/4

Right Out: 76.044 $\pm$ 0.181 χ^2 /NDF: 3472.2/19

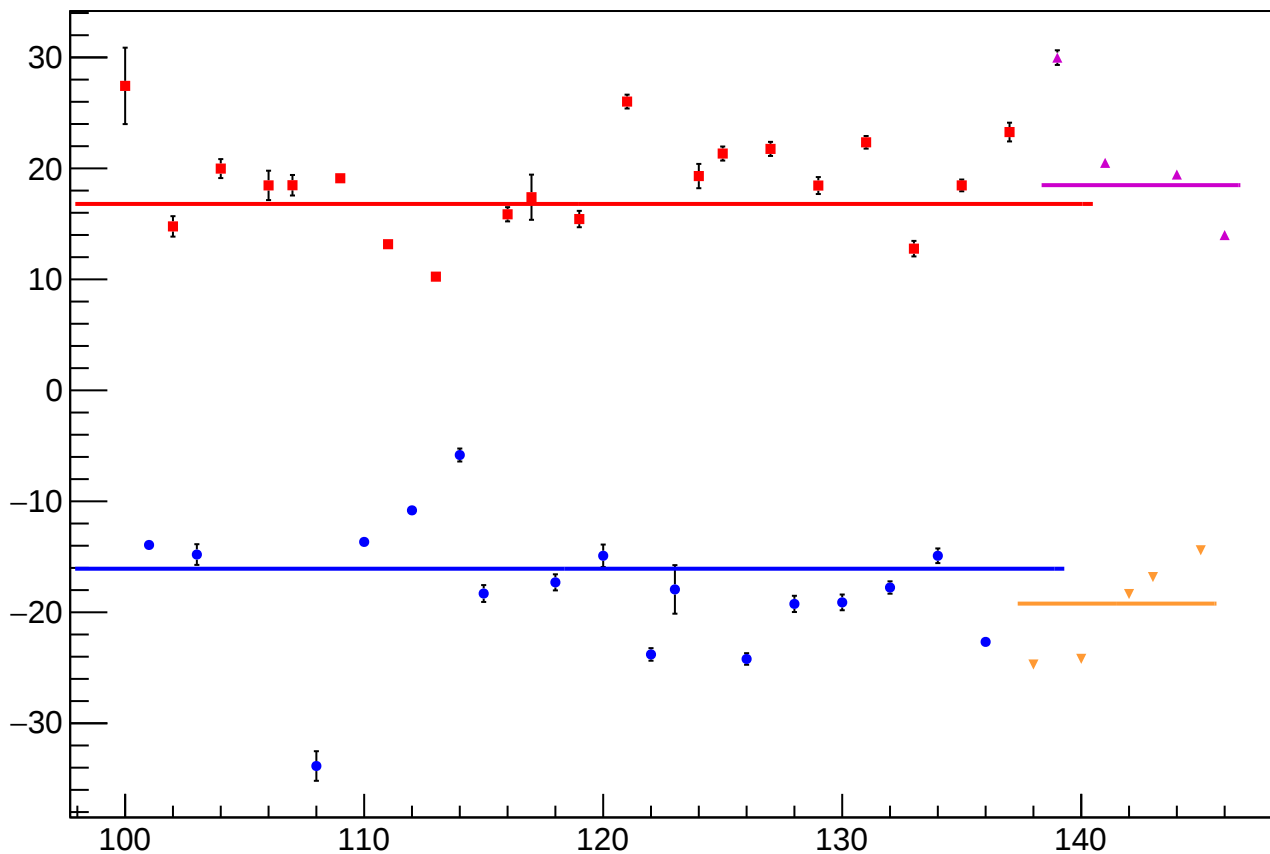
Left In: 50.953 $\pm$ 0.168 χ^2 /NDF: 734.6/3

-58.878 $\pm$ 0.124 χ^2 /NDF: 13555.1/21

2.289 $\pm$ 0.087 χ^2 /NDF: 512236.9/45

62.590 $\pm$ 0.123 χ^2 /NDF: 14555.4/23

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -19.216 ± 0.138 $\chi^2/\text{NDF}: 949.4/4$

Right Out: 16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

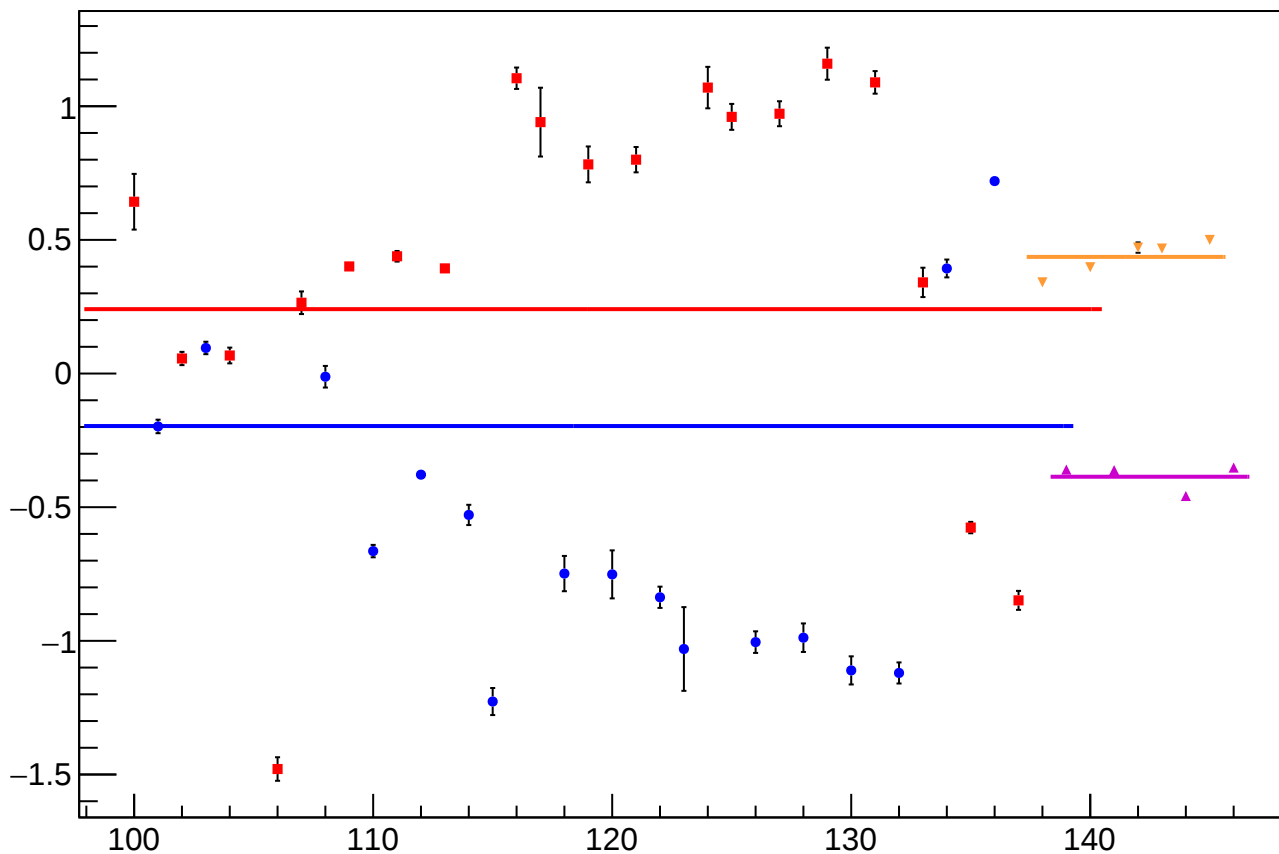
Left In: 18.490 ± 0.143 $\chi^2/\text{NDF}: 688.3/3$

-17.584 ± 0.096 $\chi^2/\text{NDF}: 2860.4/21$

0.018 ± 0.067 $\chi^2/\text{NDF}: 72636.0/45$

17.550 ± 0.095 $\chi^2/\text{NDF}: 1982.3/23$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196±/0.008 χ^2/NDF : 6323.5/16

Left Out: 0.436±/0.006 χ^2/NDF : 89.1/4

Right Out: 0.241±/0.007 χ^2/NDF : 6218.3/19

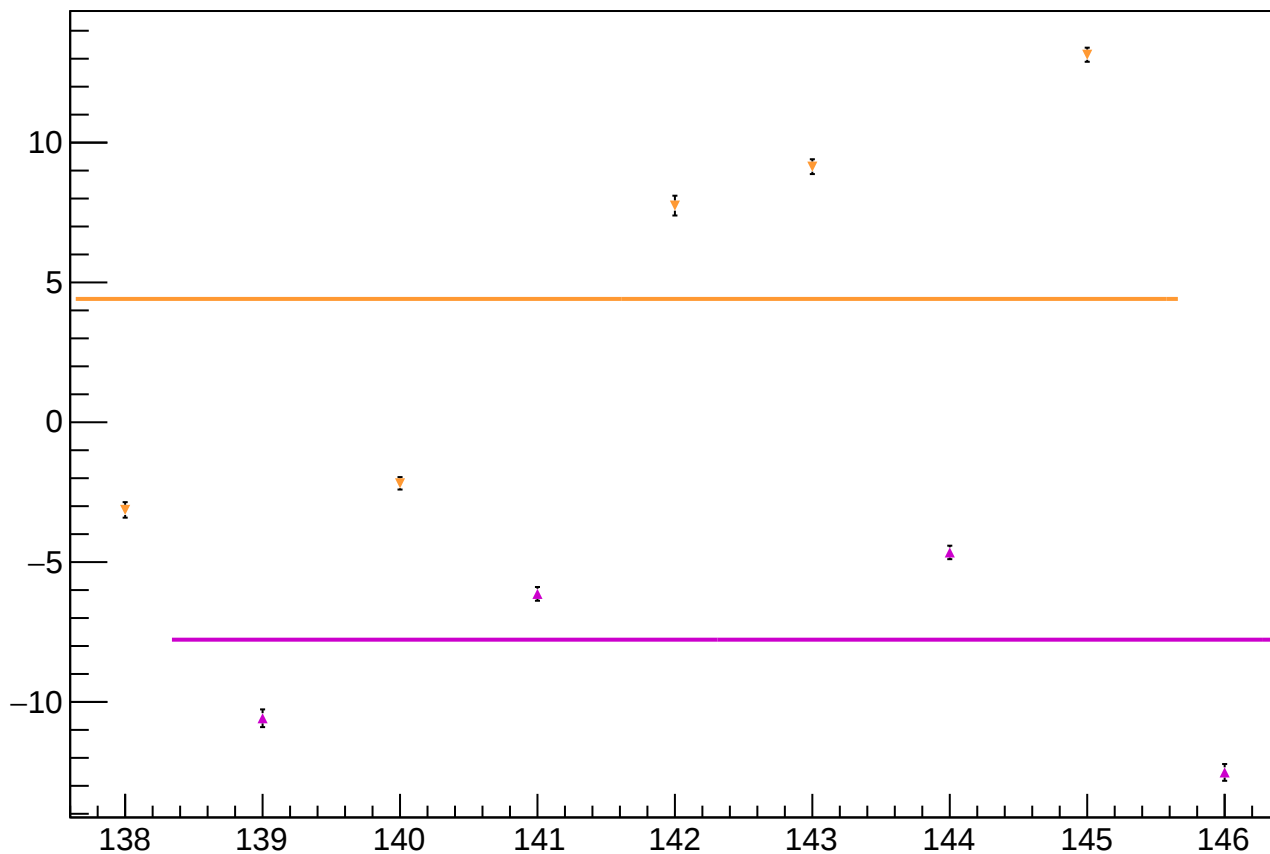
Left In: -0.386±/0.007 χ^2/NDF : 42.1/3

0.169±/0.005 χ^2/NDF : 10473.7/21

0.047±/0.004 χ^2/NDF : 21919.6/45

-0.080±/0.005 χ^2/NDF : 10180.2/23

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 4.411+/-0.119 χ^2/NDF : 3218.5/4

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

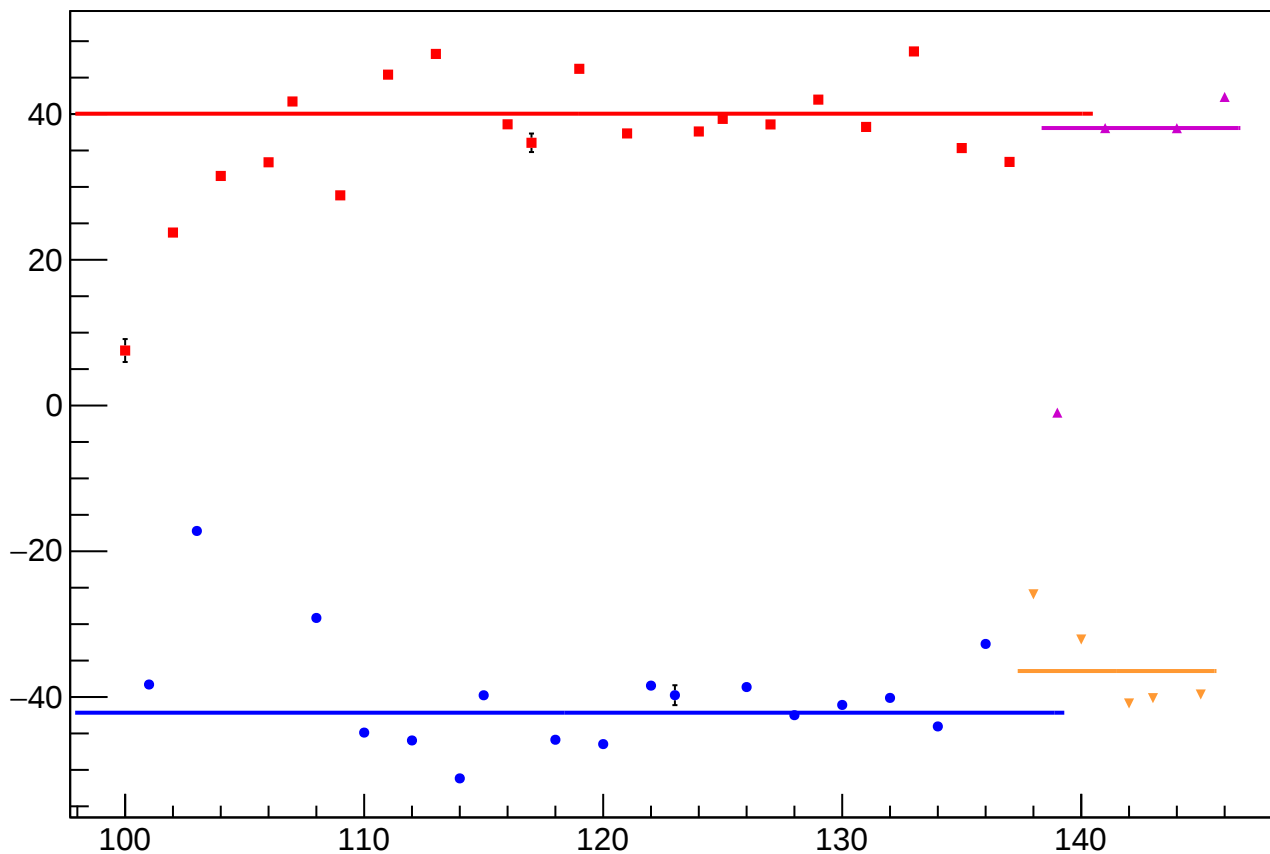
Left In: -7.774+/-0.135 χ^2/NDF : 540.9/3

4.411+/-0.119 χ^2/NDF : 3218.5/4

-0.895+/-0.089 χ^2/NDF : 8351.1/8

-7.774+/-0.135 χ^2/NDF : 540.9/3

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -36.434 ± 0.092 χ^2/NDF : 3158.6/4

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

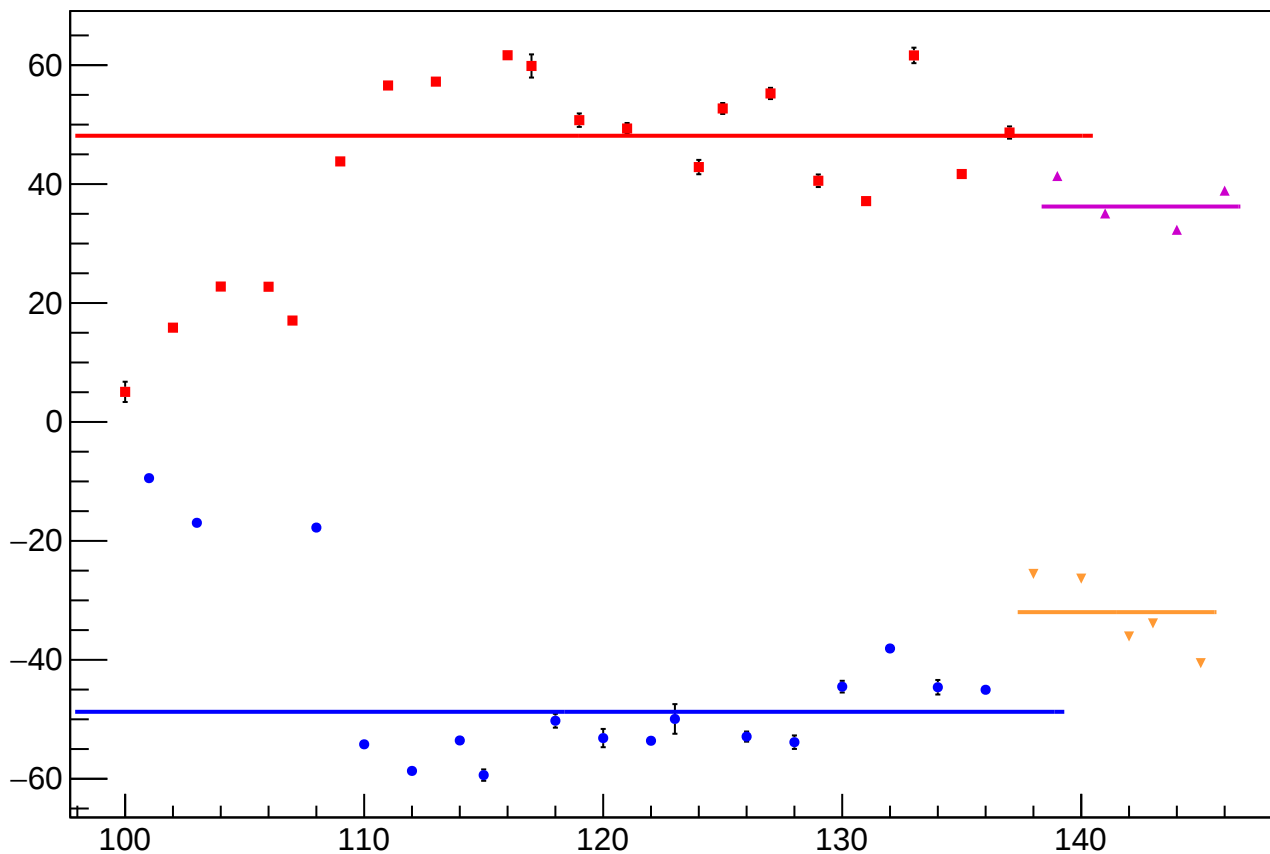
Left In: 38.082 ± 0.101 χ^2/NDF : 5270.0/3

-39.761 ± 0.060 χ^2/NDF : 11963.5/21

0.191 ± 0.042 χ^2/NDF : 921645.6/45

39.376 ± 0.059 χ^2/NDF : 16852.9/23

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737±0.125 χ^2/NDF : 14658.1/16

Left Out: -31.980±0.127 χ^2/NDF : 2204.8/4

Right Out: 48.127±0.107 χ^2/NDF : 11769.6/19

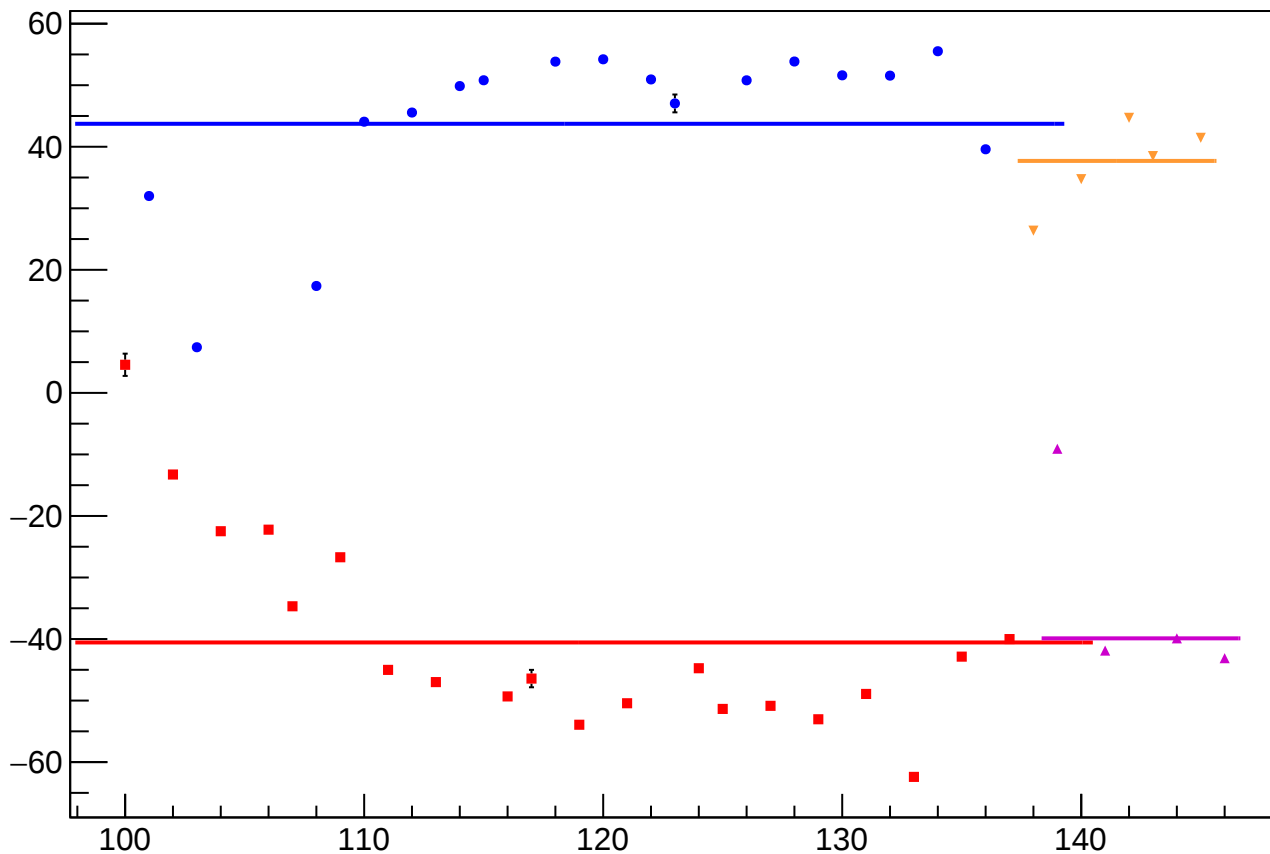
Left In: 36.225±0.141 χ^2/NDF : 558.4/3

-40.511±0.089 χ^2/NDF : 25747.5/21

3.358±0.062 χ^2/NDF : 510698.4/45

43.782±0.085 χ^2/NDF : 16839.7/23

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 ± 0.087 $\chi^2/\text{NDF}: 10567.7/16$

Left Out: 37.698 ± 0.109 $\chi^2/\text{NDF}: 2449.6/4$

Right Out: -40.556 ± 0.080 $\chi^2/\text{NDF}: 17618.6/19$

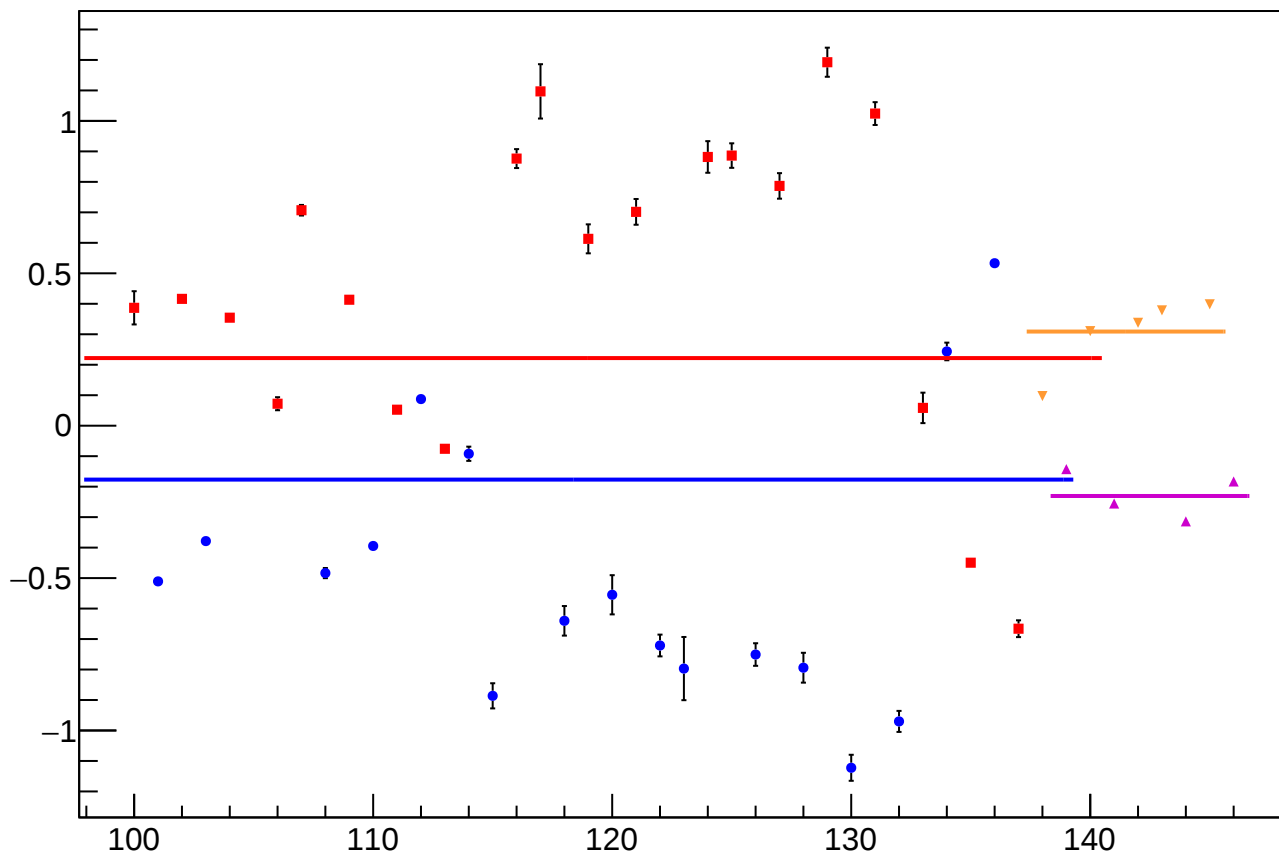
Left In: -39.889 ± 0.121 $\chi^2/\text{NDF}: 3472.0/3$

41.398 ± 0.068 $\chi^2/\text{NDF}: 14883.3/21$

-0.227 ± 0.048 $\chi^2/\text{NDF}: 771743.3/45$

-40.353 ± 0.067 $\chi^2/\text{NDF}: 21111.8/23$

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 $\chi^2/\text{NDF}: 7364.7/16$

Left Out: 0.309 ± 0.005 $\chi^2/\text{NDF}: 427.2/4$

Right Out: 0.222 ± 0.004 $\chi^2/\text{NDF}: 7527.0/19$

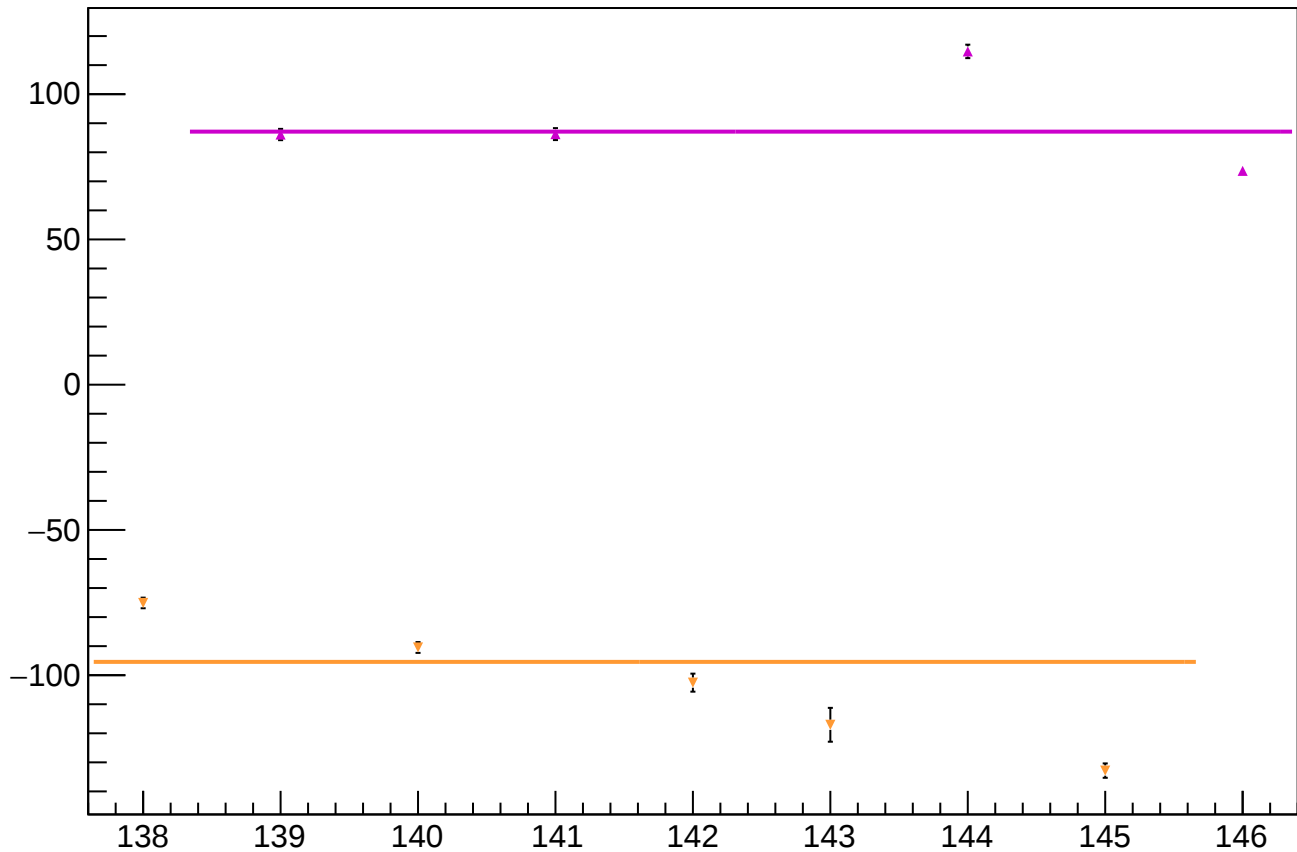
Left In: -0.231 ± 0.006 $\chi^2/\text{NDF}: 126.4/3$

0.050 ± 0.004 $\chi^2/\text{NDF}: 12501.4/21$

0.057 ± 0.002 $\chi^2/\text{NDF}: 24052.9/45$

0.063 ± 0.003 $\chi^2/\text{NDF}: 11544.9/23$

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -95.415+/-1.064 χ^2/NDF : 377.6/4

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

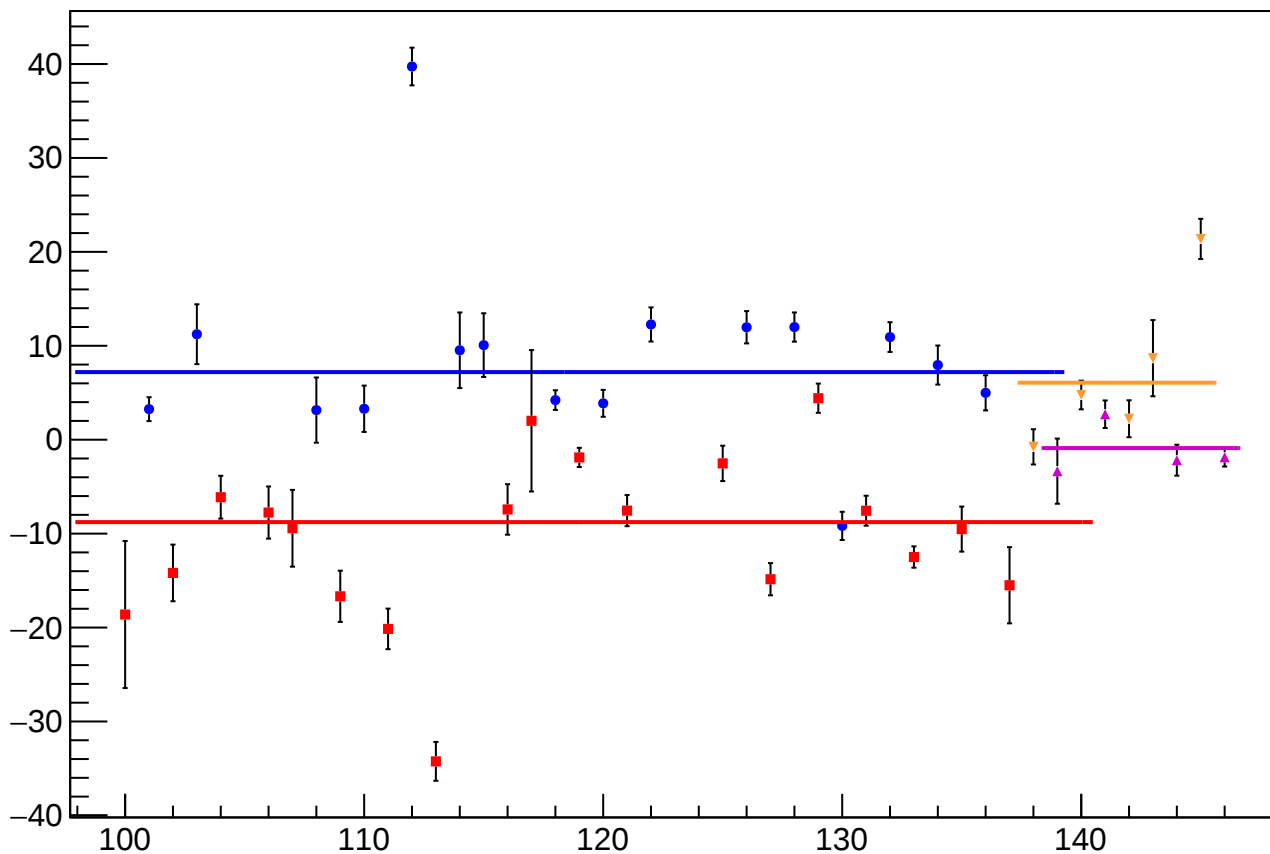
Left In: 87.107+/-0.984 χ^2/NDF : 205.5/3

-95.415+/-1.064 χ^2/NDF : 377.6/4

2.983+/-0.722 χ^2/NDF : 16446.4/8

87.107+/-0.984 χ^2/NDF : 205.5/3

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 6.072 ± 0.894 χ^2/NDF : 69.4/4

Right Out: -8.772 ± 0.447 χ^2/NDF : 351.7/18

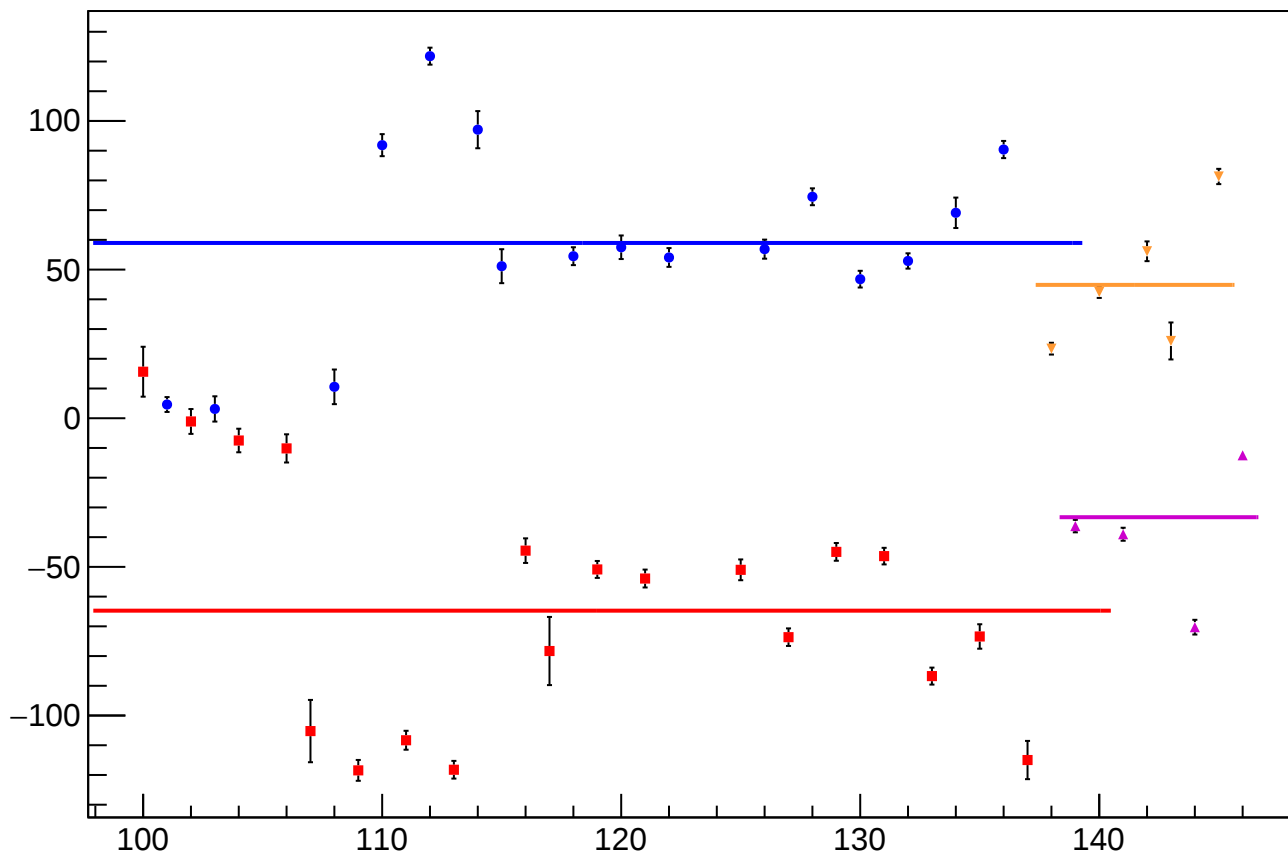
Left In: -0.892 ± 0.719 χ^2/NDF : 8.1/3

6.980 ± 0.394 χ^2/NDF : 514.5/20

-0.056 ± 0.274 χ^2/NDF : 1574.0/43

-6.577 ± 0.380 χ^2/NDF : 446.4/22

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 $\pm$ 0.837 χ^2/NDF : 1496.5/15

Left Out: 44.859 $\pm$ 1.135 χ^2/NDF :340.6/4

Right Out: -64.728 $\pm$ 0.838 χ^2/NDF : 1723.2/18

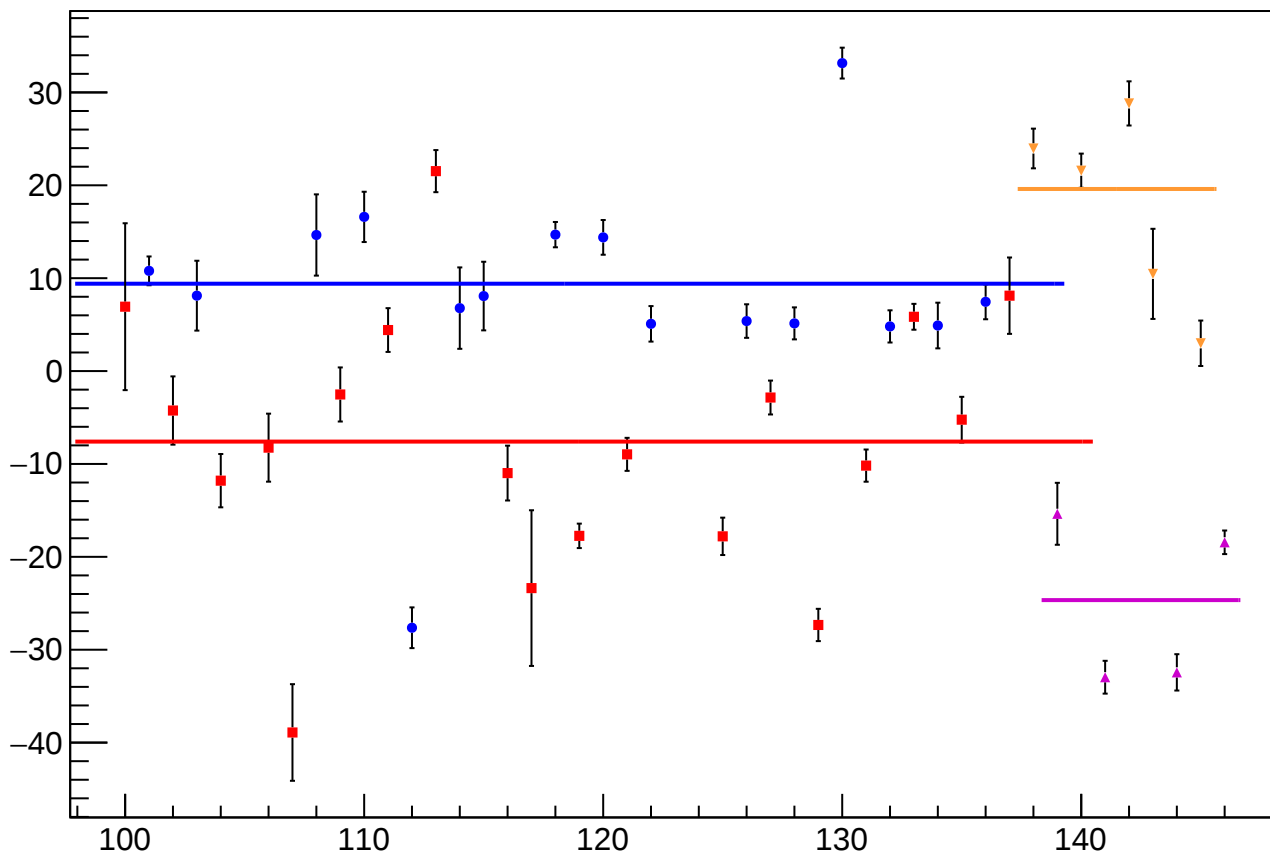
Left In: -33.291 $\pm$ 1.013 χ^2/NDF :396.0/3

53.995 $\pm$ 0.674 χ^2/NDF : 1937.1/20

-1.238 $\pm$ 0.466 χ^2/NDF : 17524.4/43

-51.952 $\pm$ 0.645 χ^2/NDF : 2691.5/22

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 19.605 ± 1.054 $\chi^2/\text{NDF}: 70.0/4$

Right Out: -7.593 ± 0.514 $\chi^2/\text{NDF}: 573.4/18$

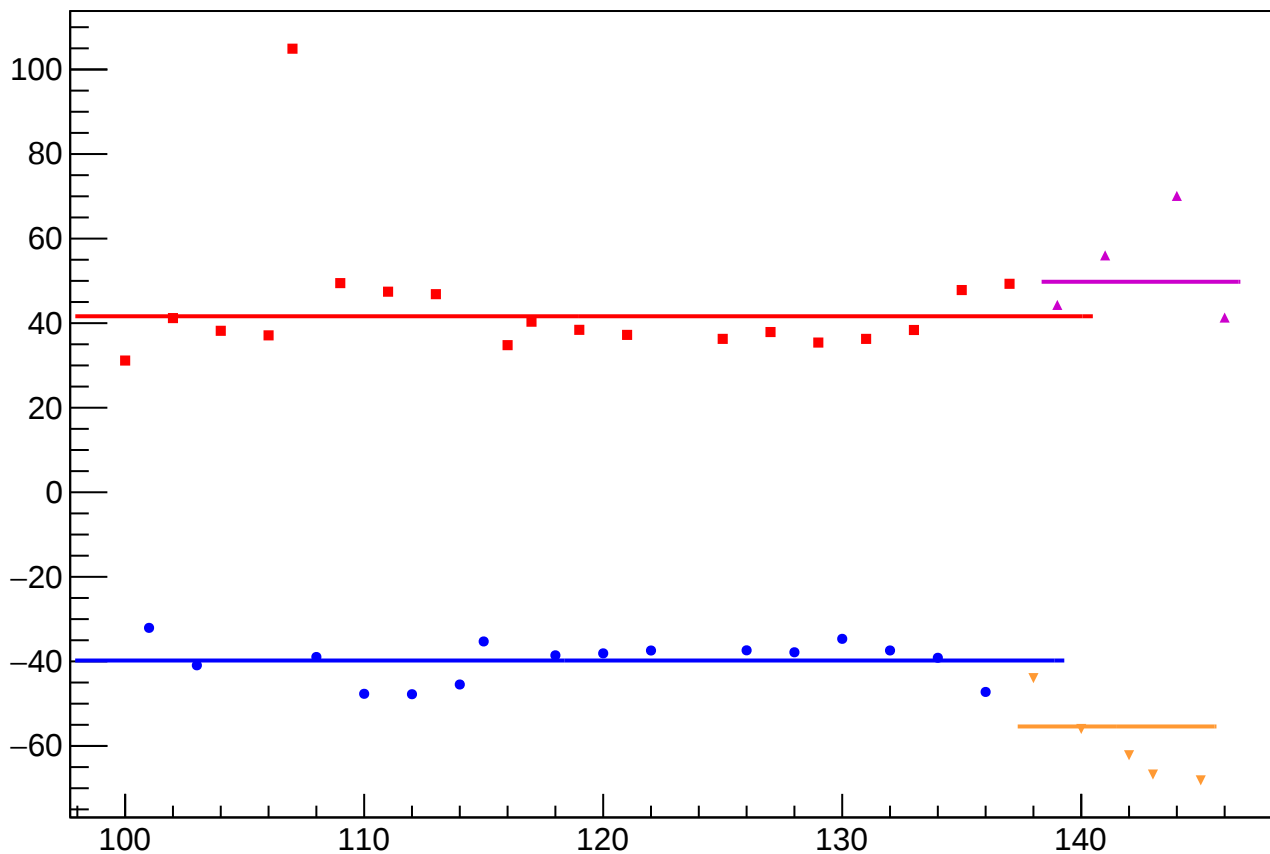
Left In: -24.659 ± 0.880 $\chi^2/\text{NDF}: 69.7/3$

11.321 ± 0.457 $\chi^2/\text{NDF}: 695.6/20$

-0.640 ± 0.318 $\chi^2/\text{NDF}: 2953.4/43$

-11.934 ± 0.444 $\chi^2/\text{NDF}: 923.7/22$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -55.393 ± 0.046 χ^2/NDF : 41879.1/4

Right Out: 41.631 ± 0.031 χ^2/NDF : 94399.1/18

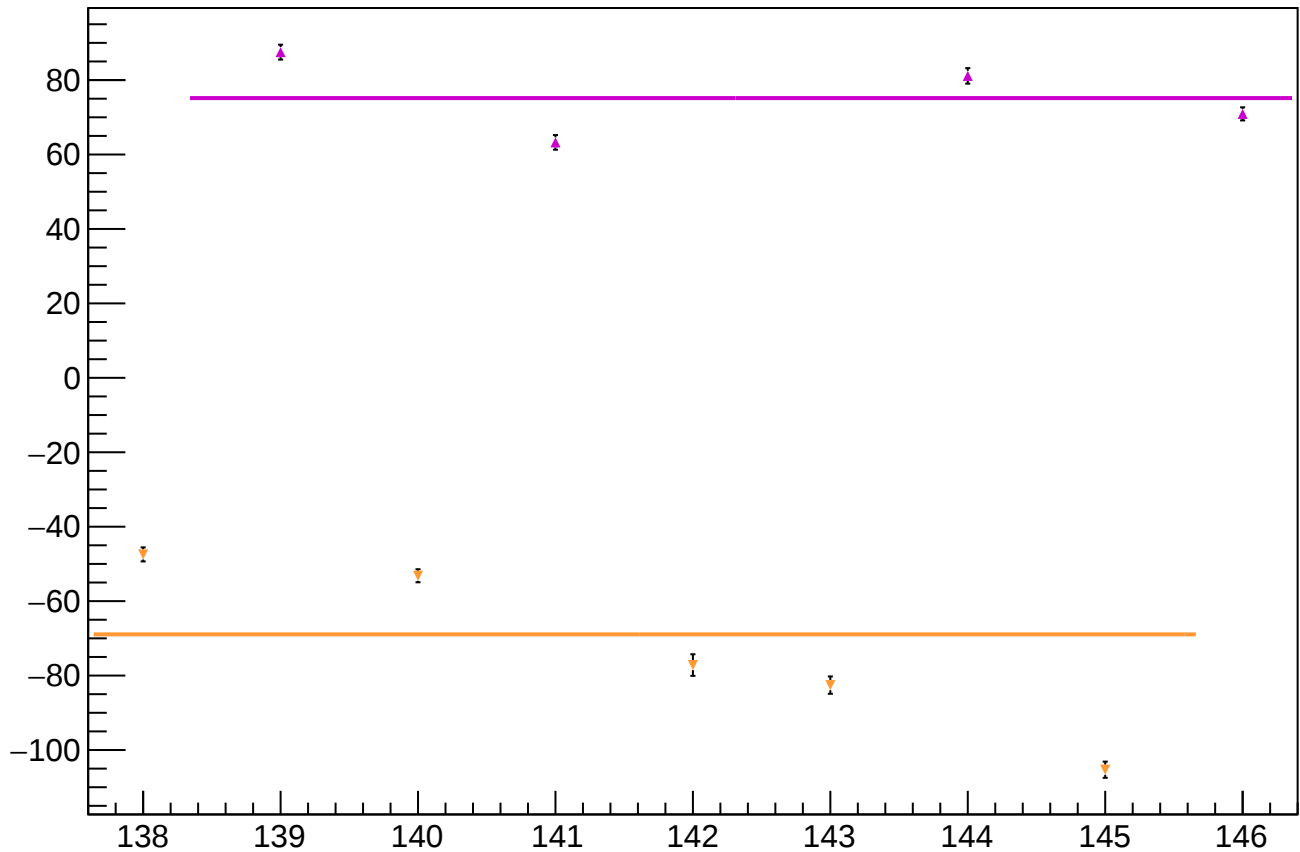
Left In: 49.790 ± 0.042 χ^2/NDF : 58124.9/3

-44.668 ± 0.026 χ^2/NDF : 146056.8/20

1.571 ± 0.018 χ^2/NDF : 6478021.2/43

44.552 ± 0.025 χ^2/NDF : 177083.2/22

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -68.929+/-0.944 χ^2/NDF : 532.8/4

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

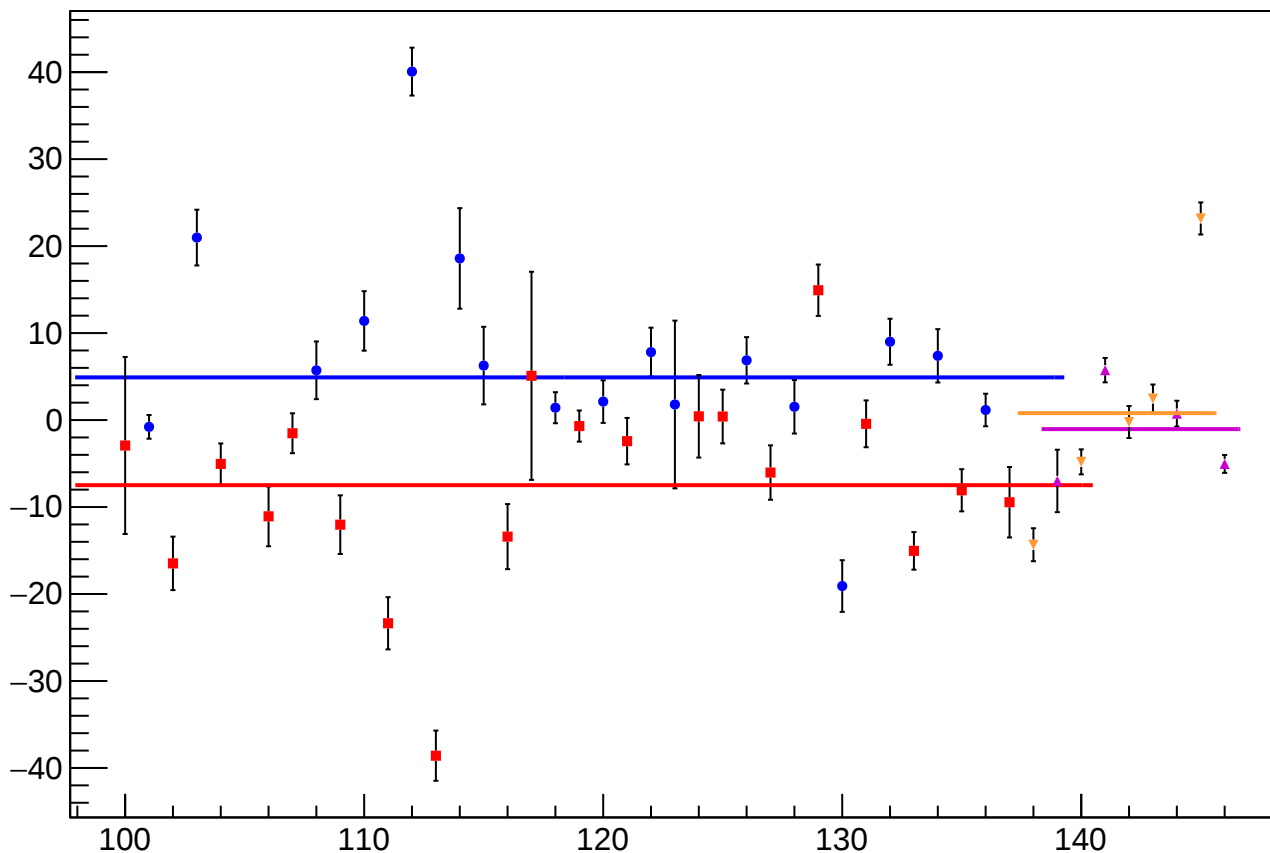
Left In: 75.164+/-0.972 χ^2/NDF : 88.5/3

-68.929+/-0.944 χ^2/NDF : 532.8/4

1.046+/-0.677 χ^2/NDF : 11925.6/8

75.164+/-0.972 χ^2/NDF : 88.5/3

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 0.795 ± 0.759 χ^2/NDF : 227.5/4

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

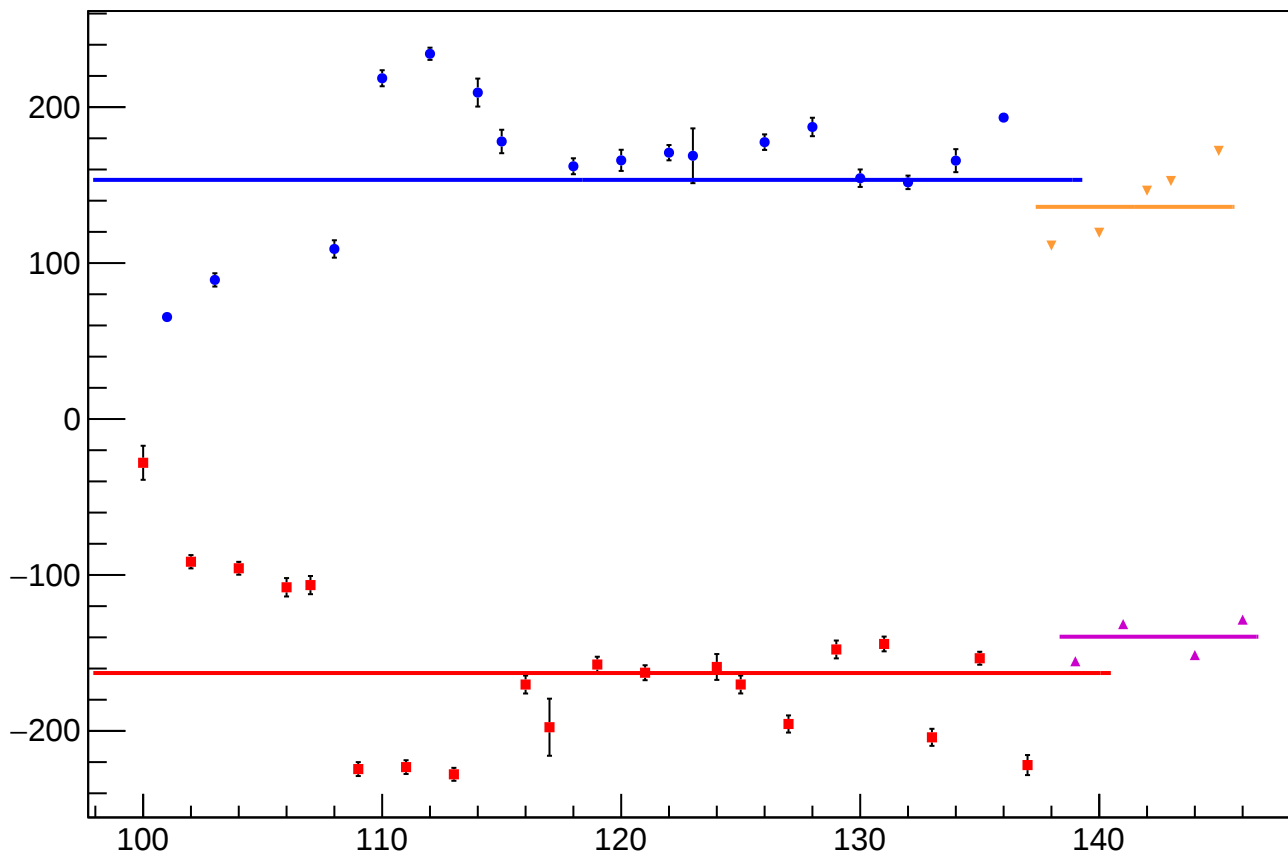
Left In: -1.042 ± 0.710 χ^2/NDF : 42.7/3

3.236 ± 0.484 χ^2/NDF : 540.3/21

-0.693 ± 0.340 χ^2/NDF : 1030.3/45

-4.548 ± 0.479 χ^2/NDF : 359.3/23

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350+/-1.150 χ^2/NDF : 2268.3/16

Left Out: 136.046+/-1.007 χ^2/NDF : 532.6/4

Right Out: -162.878+/-1.174 χ^2/NDF : 1712.4/19

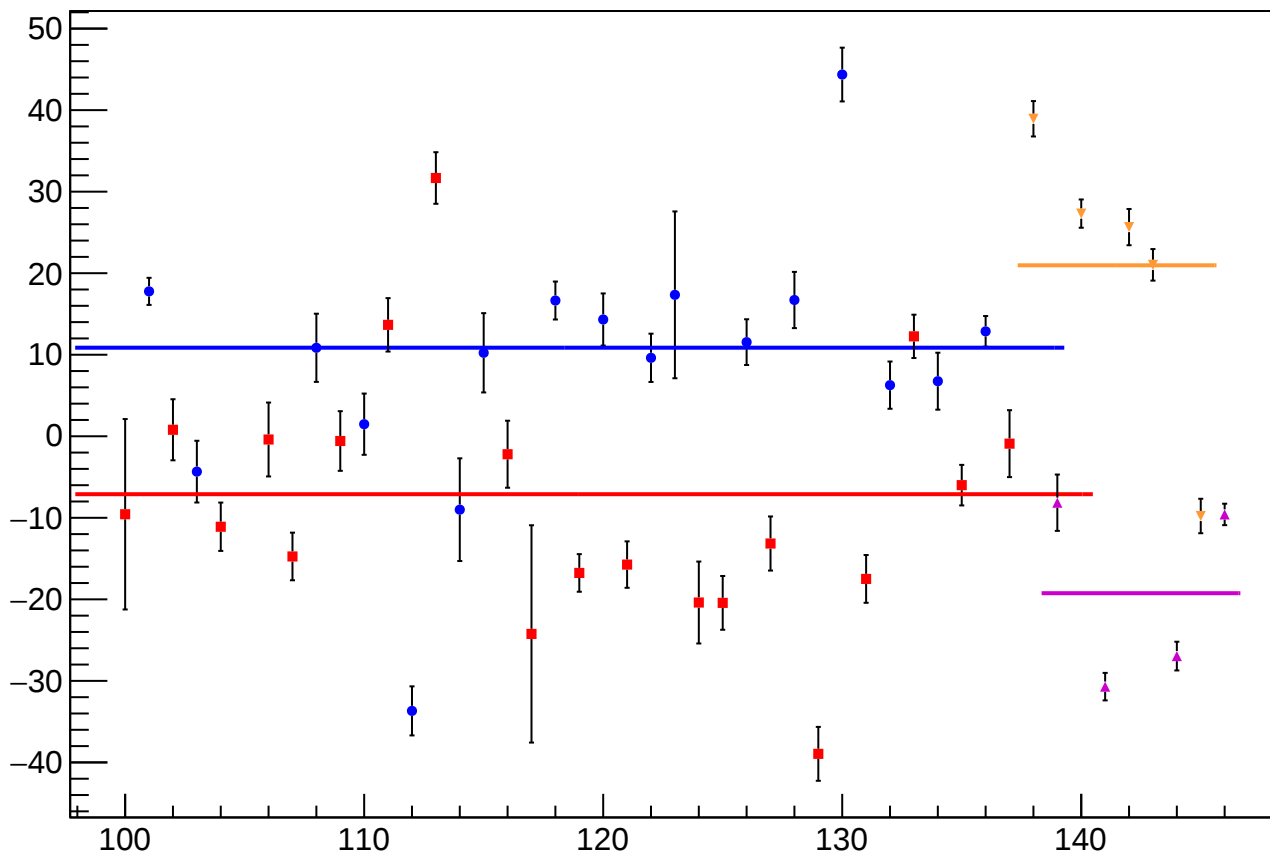
Left In: -139.589+/-1.003 χ^2/NDF : 137.5/3

143.557+/-0.758 χ^2/NDF : 2929.0/21

-1.939+/-0.538 χ^2/NDF : 79239.1/45

-149.416+/-0.763 χ^2/NDF : 2077.1/23

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 $\pm$ 0.719 χ^2/NDF : 387.9/16

Left Out: 20.968 $\pm$ 0.899 χ^2/NDF : 298.1/4

Right Out: -7.106 $\pm$ 0.746 χ^2/NDF : 426.4/19

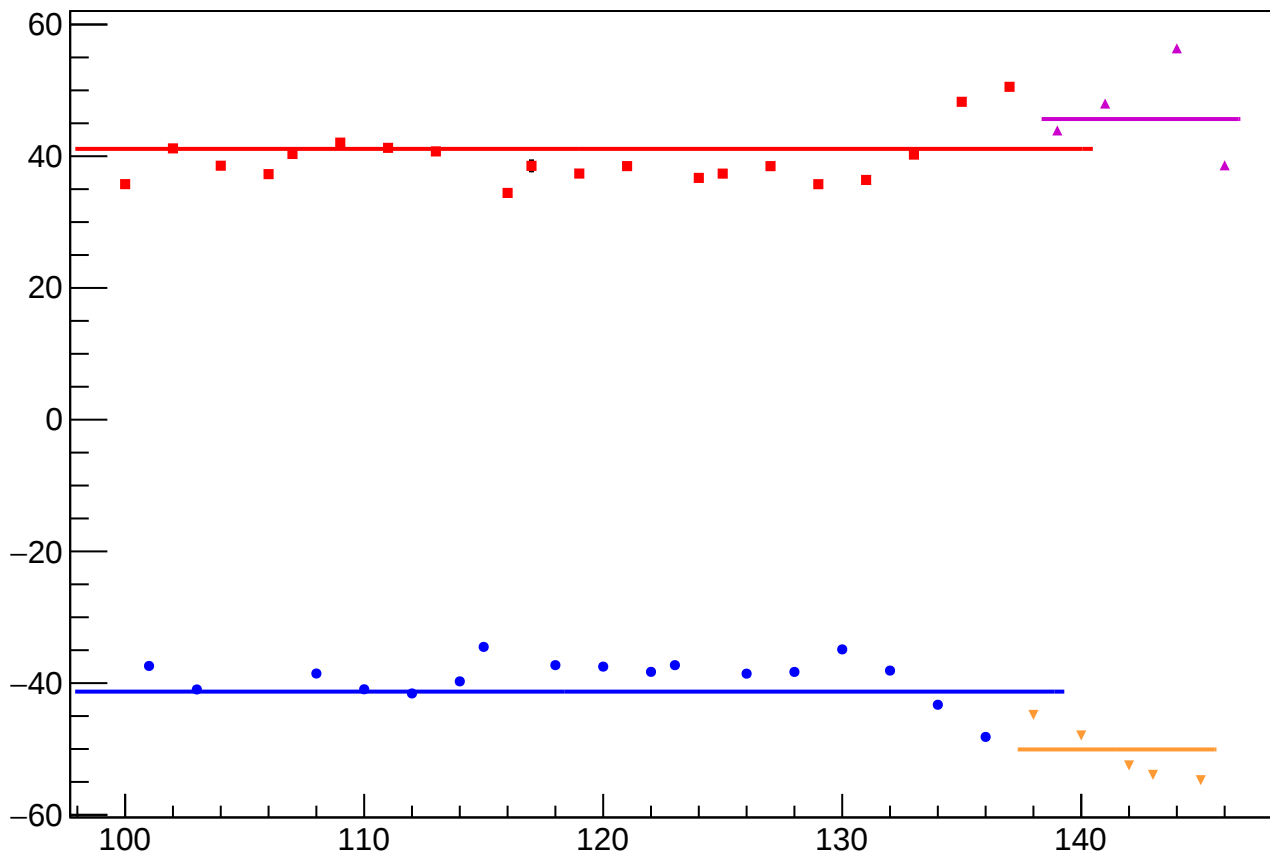
Left In: -19.247 $\pm$ 0.865 χ^2/NDF : 129.5/3

14.810 $\pm$ 0.562 χ^2/NDF : 763.1/21

1.349 $\pm$ 0.398 χ^2/NDF : 2588.0/45

-12.284 $\pm$ 0.565 χ^2/NDF : 668.8/23

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -50.068 ± 0.041 $\chi^2/\text{NDF}: 9472.8/4$

Right Out: 41.115 ± 0.039 $\chi^2/\text{NDF}: 12120.1/19$

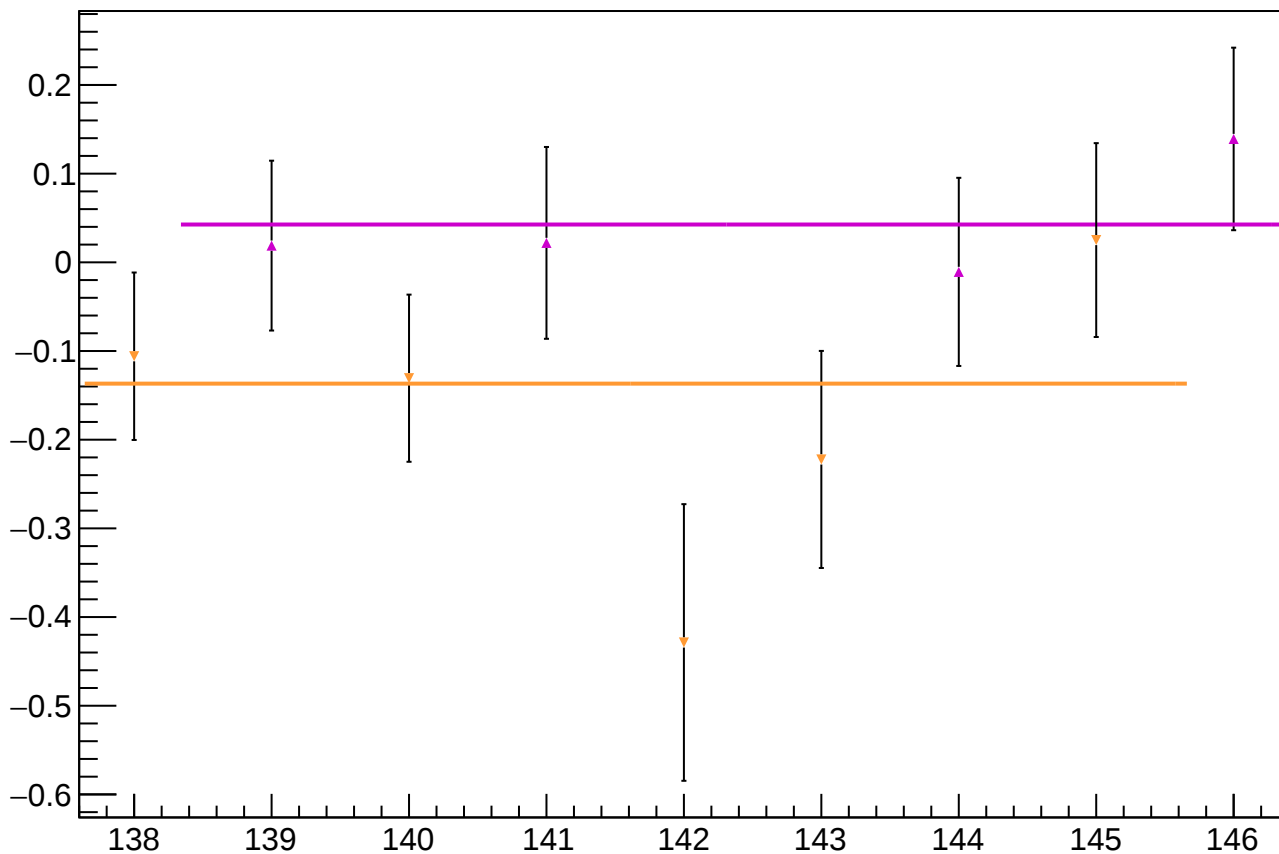
Left In: 45.646 ± 0.041 $\chi^2/\text{NDF}: 21553.4/3$

-45.406 ± 0.028 $\chi^2/\text{NDF}: 46232.4/21$

-1.285 ± 0.020 $\chi^2/\text{NDF}: 5026252.8/45$

43.221 ± 0.028 $\chi^2/\text{NDF}: 40069.8/23$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.137 $\pm$ 0.049 χ^2 /NDF: 6.3/4

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

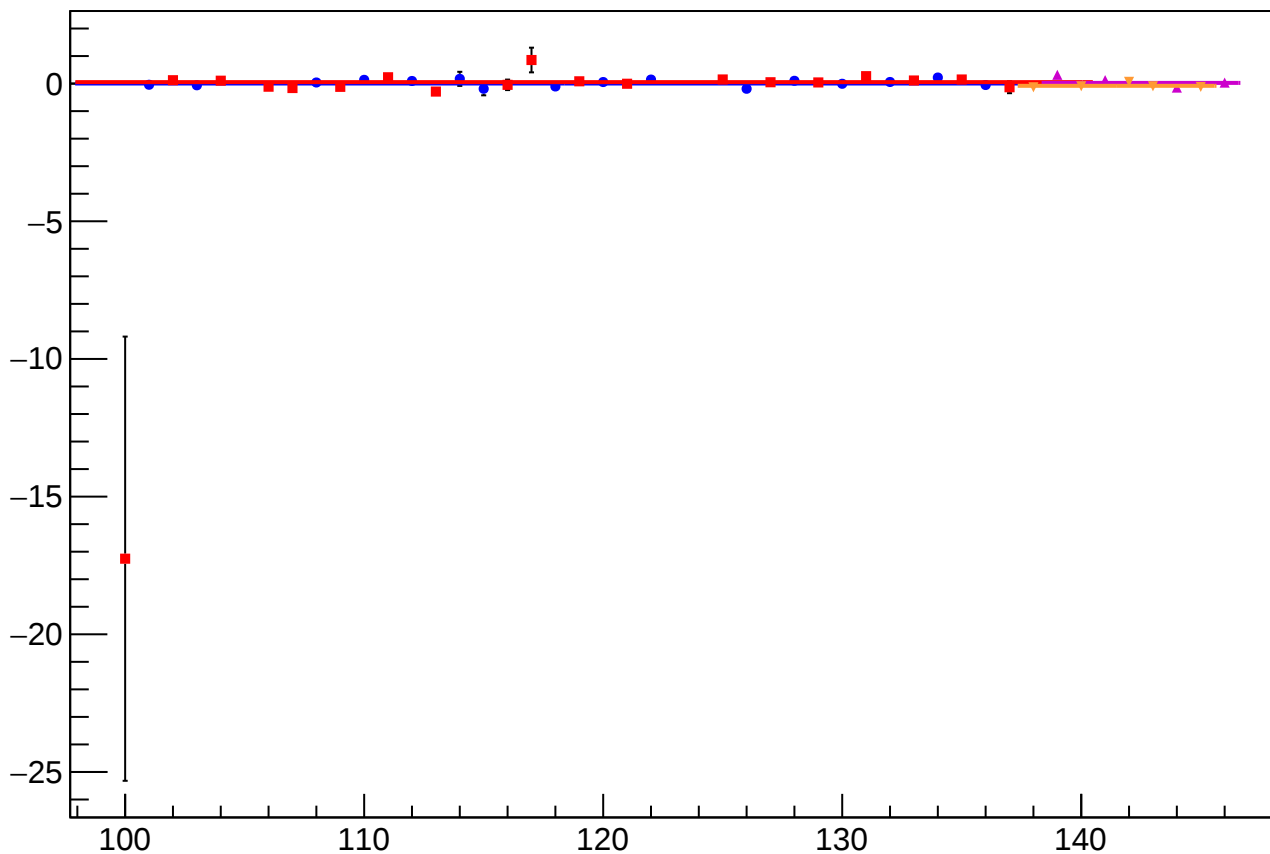
Left In: 0.043 $\pm$ 0.051 χ^2 /NDF: 1.2/3

-0.137 $\pm$ 0.049 χ^2 /NDF: 6.3/4

-0.051 $\pm$ 0.035 χ^2 /NDF: 13.9/8

0.043 $\pm$ 0.051 χ^2 /NDF: 1.2/3

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15

Left Out: -0.081+/-0.040 χ^2/NDF : 2.7/4

Right Out: 0.053+/-0.029 χ^2/NDF : 28.8/18

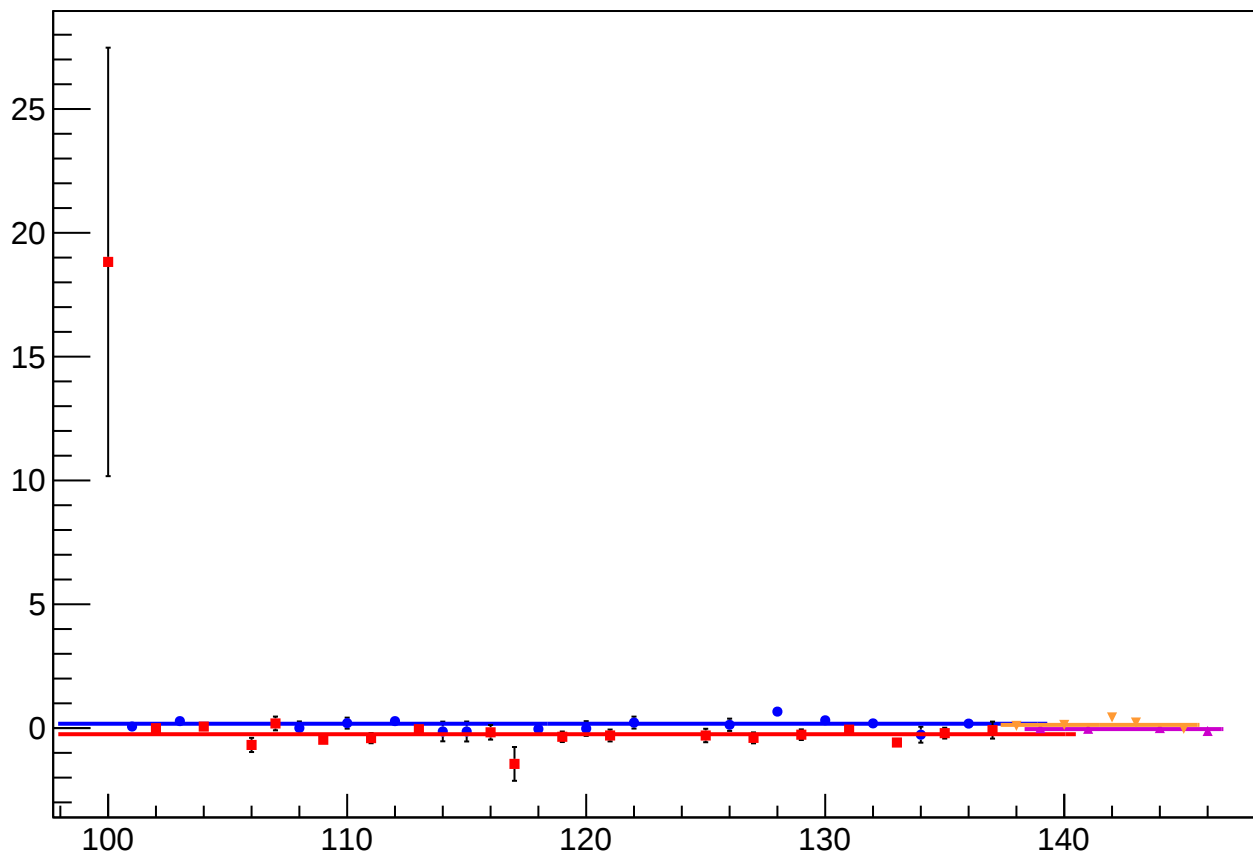
Left In: 0.025+/-0.040 χ^2/NDF : 9.7/3

-0.025+/-0.023 χ^2/NDF : 18.0/20

0.009+/-0.017 χ^2/NDF : 61.1/43

0.043+/-0.024 χ^2/NDF : 38.8/22

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 ± 0.053 χ^2/NDF : 13.0/15

Left Out: 0.130 ± 0.052 χ^2/NDF : 5.9/4

Right Out: -0.247 ± 0.054 χ^2/NDF : 24.7/18

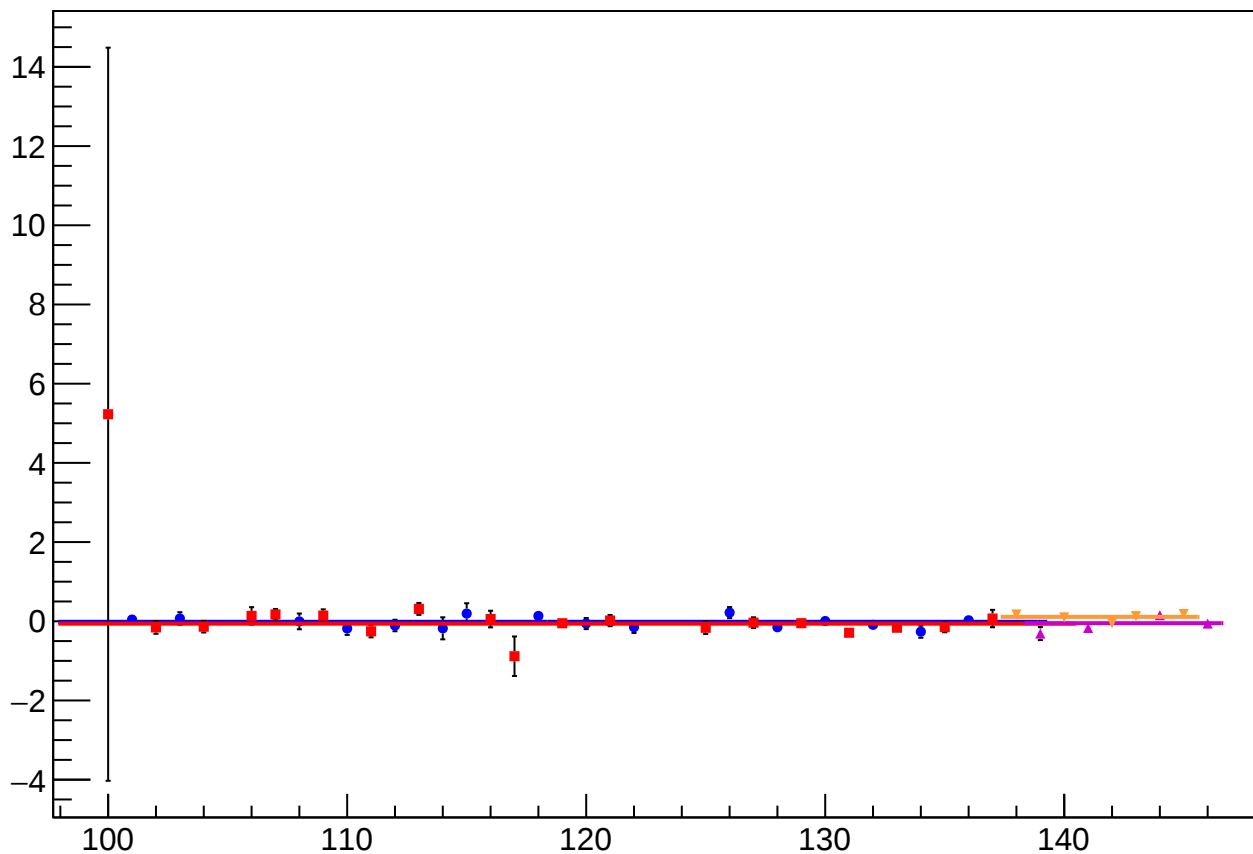
Left In: -0.040 ± 0.054 χ^2/NDF : 0.9/3

0.153 ± 0.037 χ^2/NDF : 19.3/20

0.008 ± 0.027 χ^2/NDF : 83.4/43

-0.143 ± 0.038 χ^2/NDF : 33.1/22

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.111 ± 0.047 χ^2/NDF : 2.5/4

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

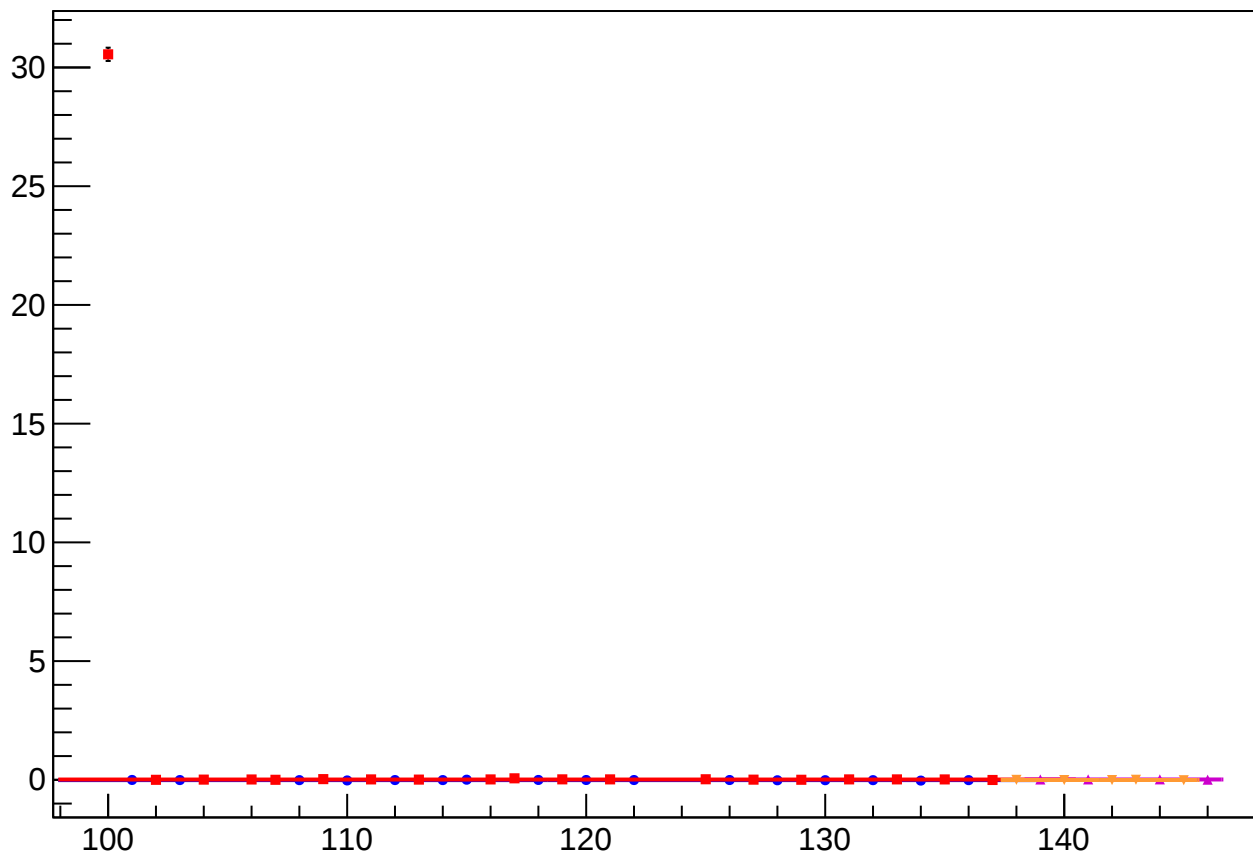
Left In: -0.048 ± 0.048 χ^2/NDF : 9.3/3

0.027 ± 0.027 χ^2/NDF : 20.9/20

-0.014 ± 0.019 χ^2/NDF : 58.0/43

-0.056 ± 0.028 χ^2/NDF : 32.4/22

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.007 ± 0.002 χ^2/NDF : 11.0/4

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

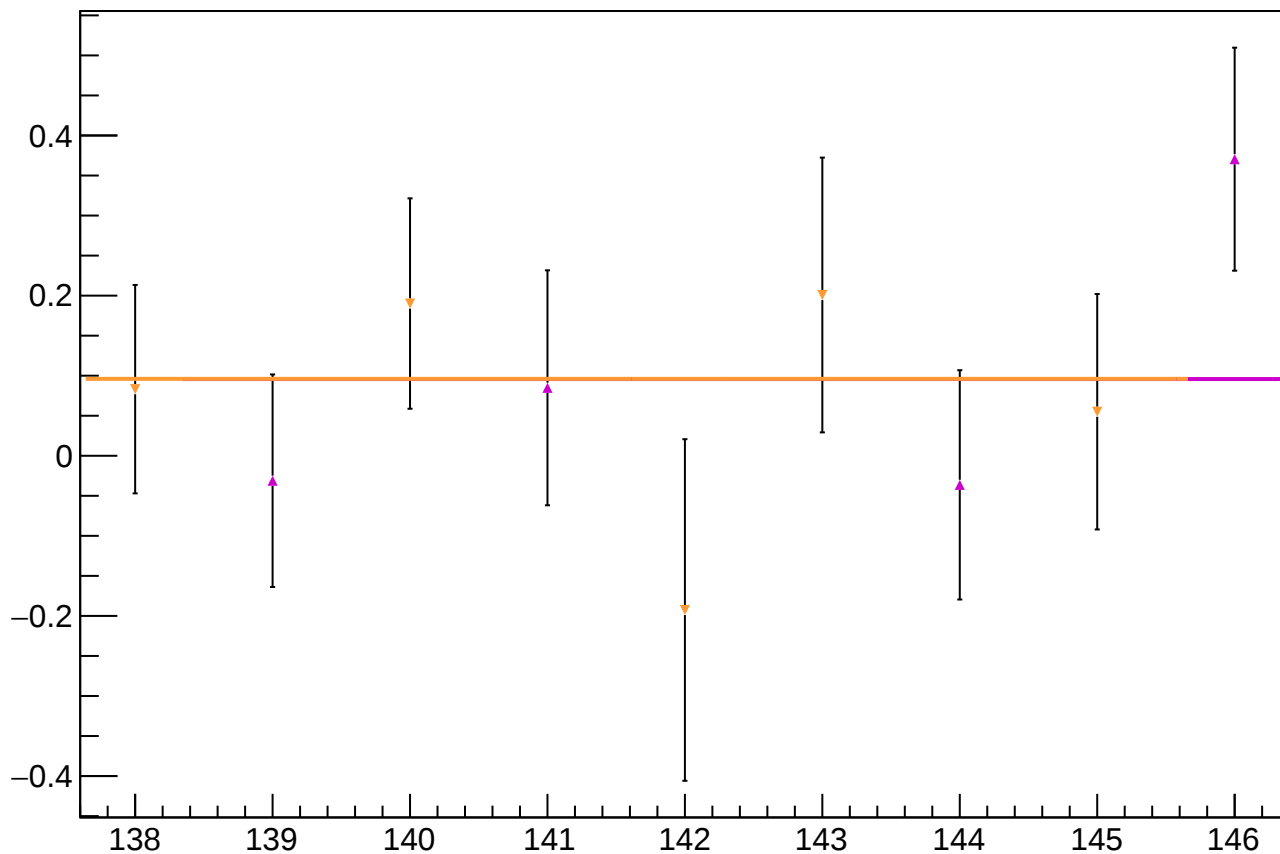
Left In: 0.015 ± 0.002 χ^2/NDF : 4.9/3

-0.010 ± 0.001 χ^2/NDF : 26.6/20

0.001 ± 0.001 χ^2/NDF : 12066.9/43

0.013 ± 0.001 χ^2/NDF : 11899.6/22

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 0.096 $\pm$ 0.068 χ^2 /NDF: 2.8/4

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

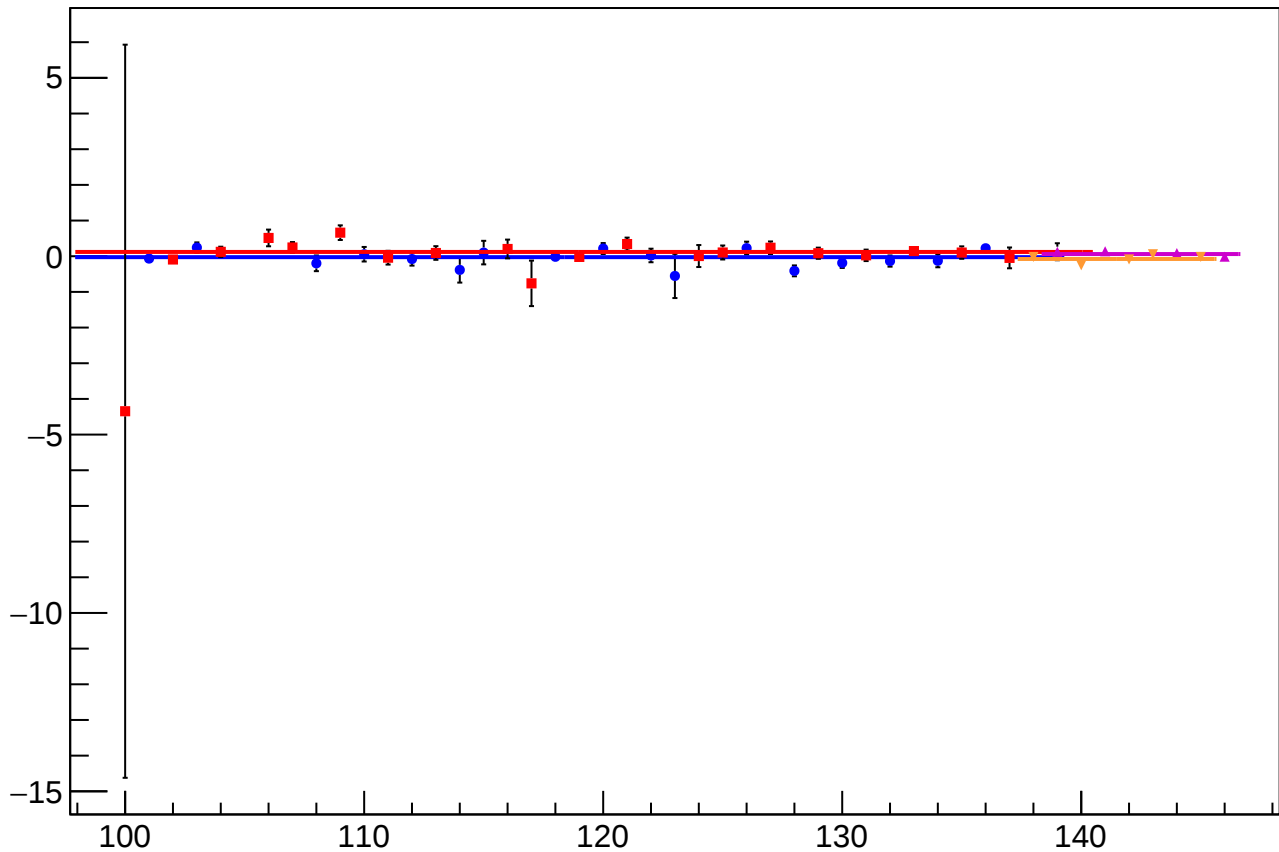
Left In: 0.096 $\pm$ 0.070 χ^2 /NDF: 5.7/3

0.096 $\pm$ 0.068 χ^2 /NDF: 2.8/4

0.096 $\pm$ 0.049 χ^2 /NDF: 8.5/8

0.096 $\pm$ 0.070 χ^2 /NDF: 5.7/3

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 $\chi^2/\text{NDF}: 22.7/16$

Left Out: -0.077 ± 0.055 $\chi^2/\text{NDF}: 4.3/4$

Right Out: 0.120 ± 0.039 $\chi^2/\text{NDF}: 20.2/19$

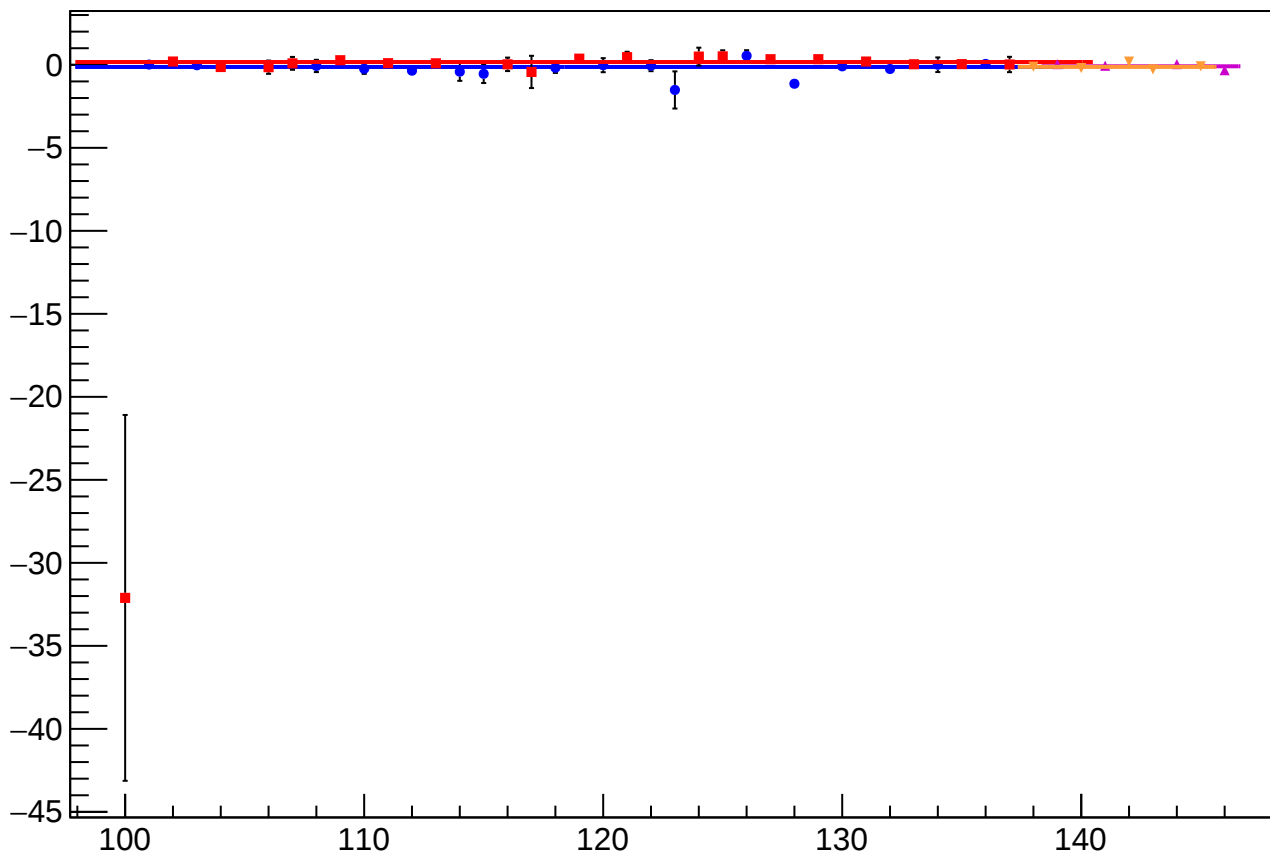
Left In: 0.061 ± 0.053 $\chi^2/\text{NDF}: 1.5/3$

-0.042 ± 0.031 $\chi^2/\text{NDF}: 27.6/21$

0.027 ± 0.022 $\chi^2/\text{NDF}: 60.3/45$

0.100 ± 0.032 $\chi^2/\text{NDF}: 22.5/23$

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: -0.123 ± 0.072 χ^2/NDF : 2.9/4

Right Out: 0.169 ± 0.071 χ^2/NDF : 15.3/19

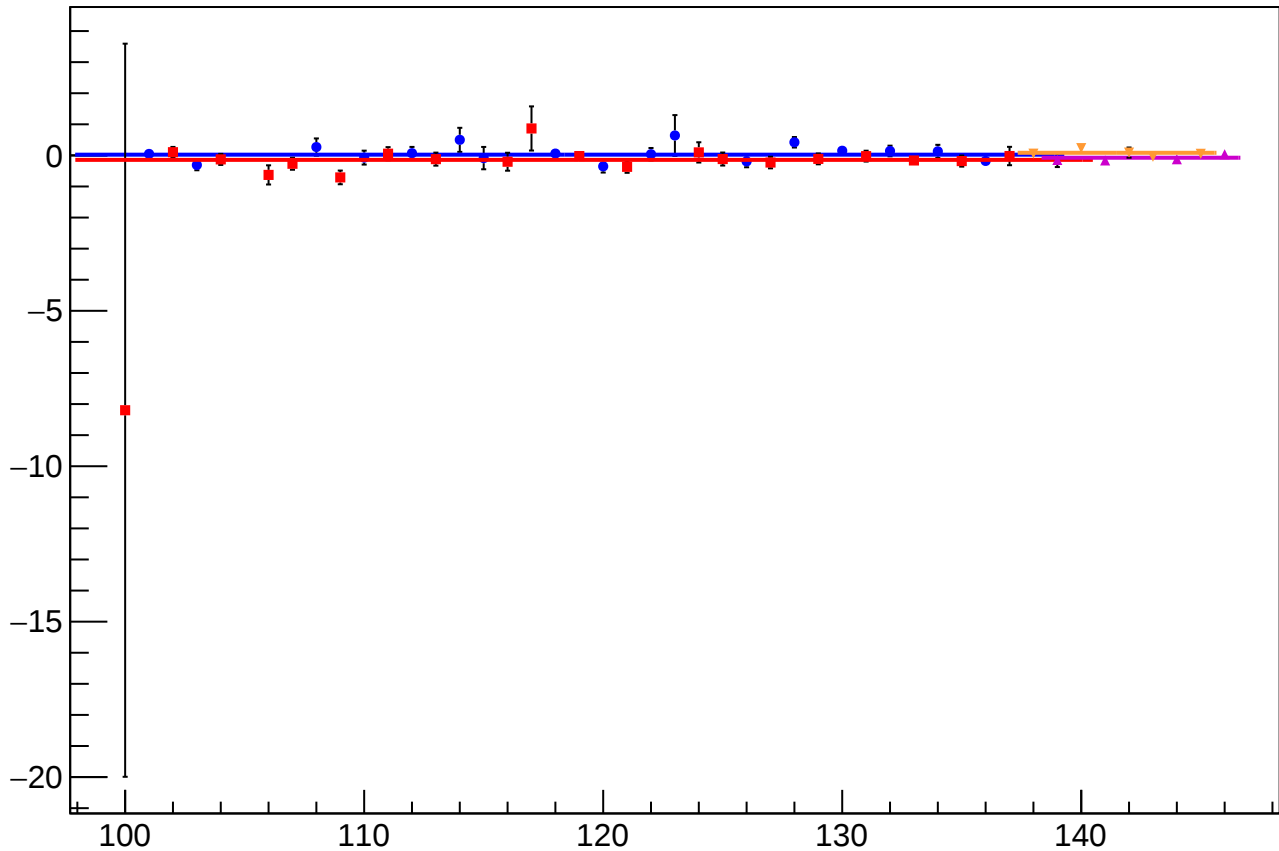
Left In: -0.088 ± 0.073 χ^2/NDF : 4.7/3

-0.126 ± 0.049 χ^2/NDF : 26.0/21

-0.044 ± 0.035 χ^2/NDF : 58.3/45

0.044 ± 0.051 χ^2/NDF : 26.4/23

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.084 ± 0.065 χ^2/NDF : 2.2/4

Right Out: -0.144 ± 0.045 χ^2/NDF : 18.6/19

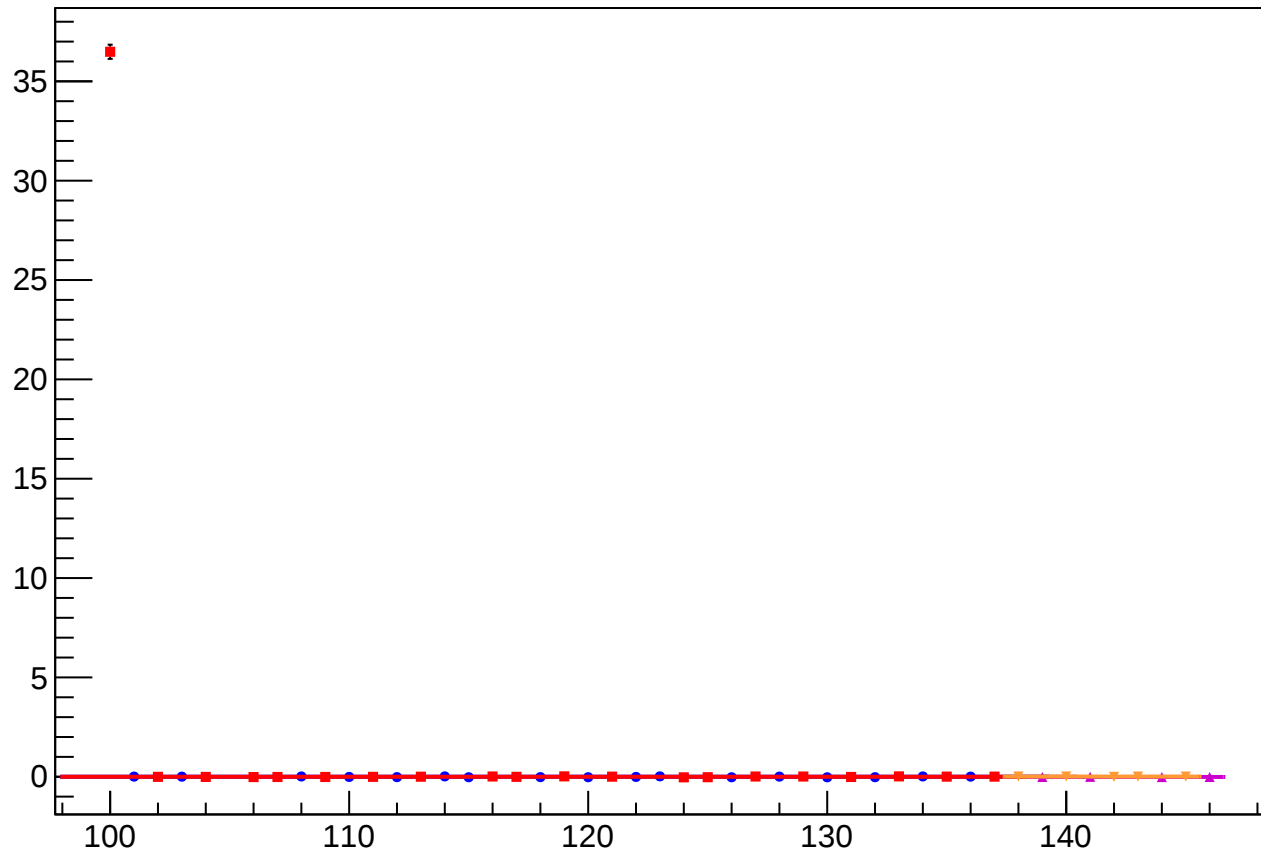
Left In: -0.075 ± 0.065 χ^2/NDF : 1.9/3

0.041 ± 0.036 χ^2/NDF : 24.2/21

-0.037 ± 0.026 χ^2/NDF : 55.4/45

-0.121 ± 0.037 χ^2/NDF : 21.3/23

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.009 $\pm$ 0.003 χ^2 /NDF: 3.2/4

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

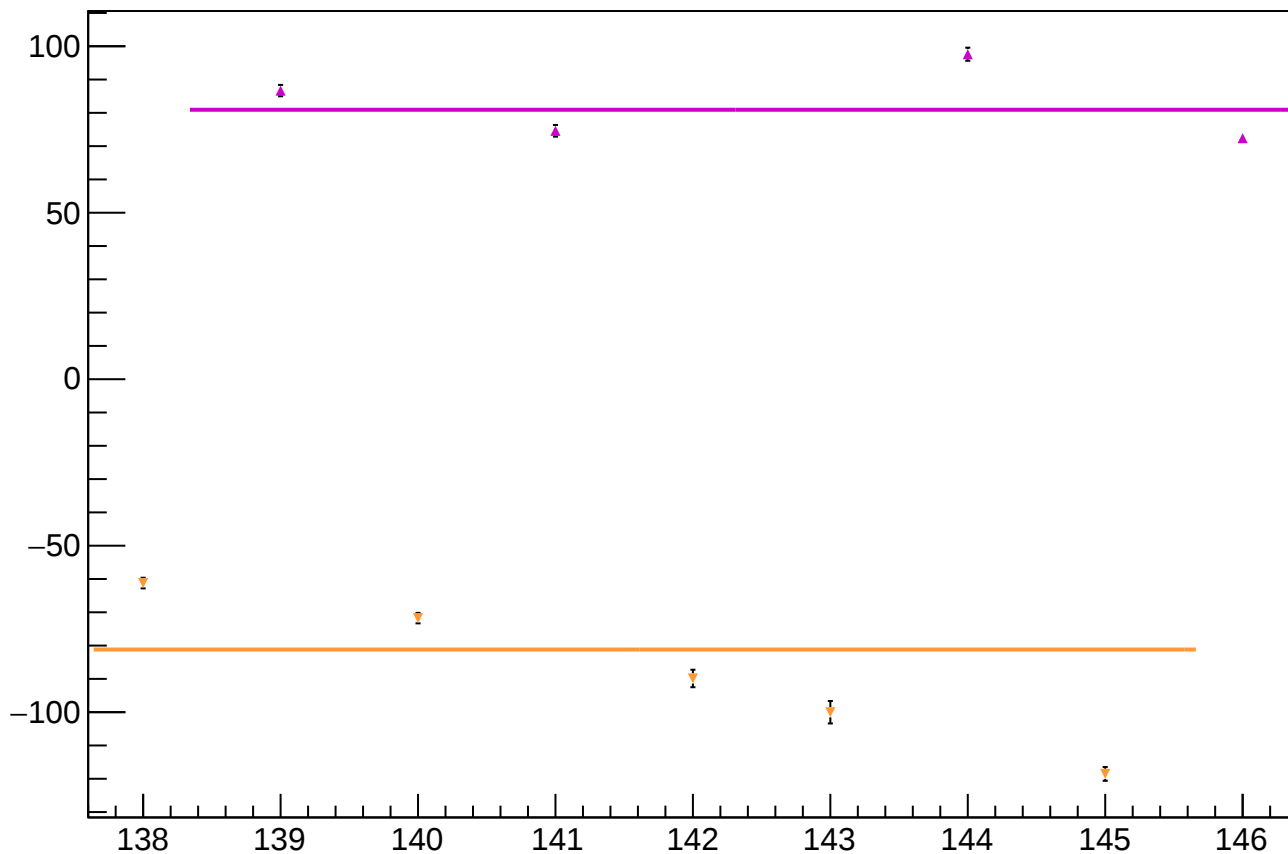
Left In: -0.010 $\pm$ 0.003 χ^2 /NDF: 1.7/3

0.004 $\pm$ 0.002 χ^2 /NDF: 37.7/21

-0.000 $\pm$ 0.001 χ^2 /NDF: 10506.0/45

-0.004 $\pm$ 0.002 χ^2 /NDF: 10457.0/23

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -81.185 ± 0.891 $\chi^2/\text{NDF}: 557.2/4$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

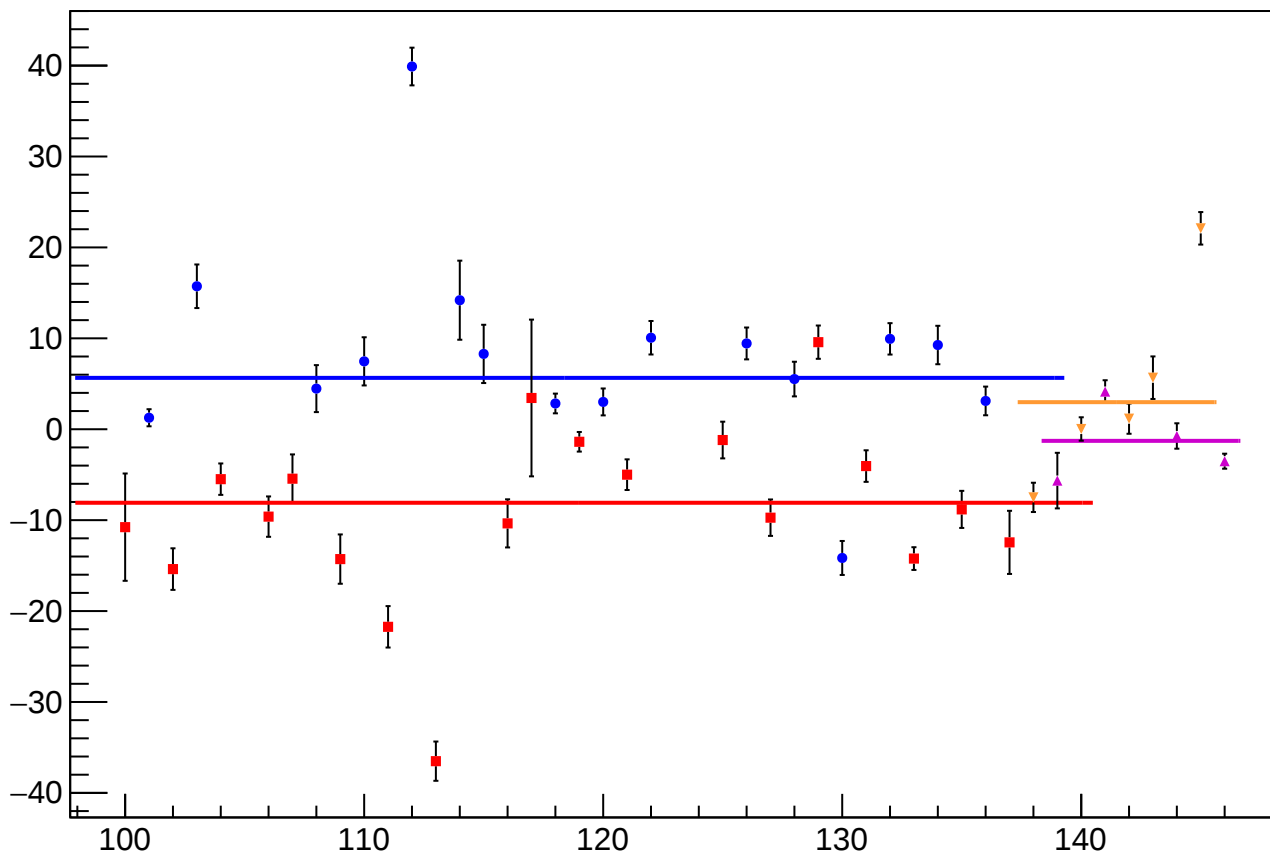
Left In: 80.928 ± 0.839 $\chi^2/\text{NDF}: 132.3/3$

-81.185 ± 0.891 $\chi^2/\text{NDF}: 557.2/4$

4.743 ± 0.611 $\chi^2/\text{NDF}: 18222.5/8$

80.928 ± 0.839 $\chi^2/\text{NDF}: 132.3/3$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 2.979 ± 0.736 χ^2/NDF : 164.4/4

Right Out: -8.087 ± 0.452 χ^2/NDF : 409.7/18

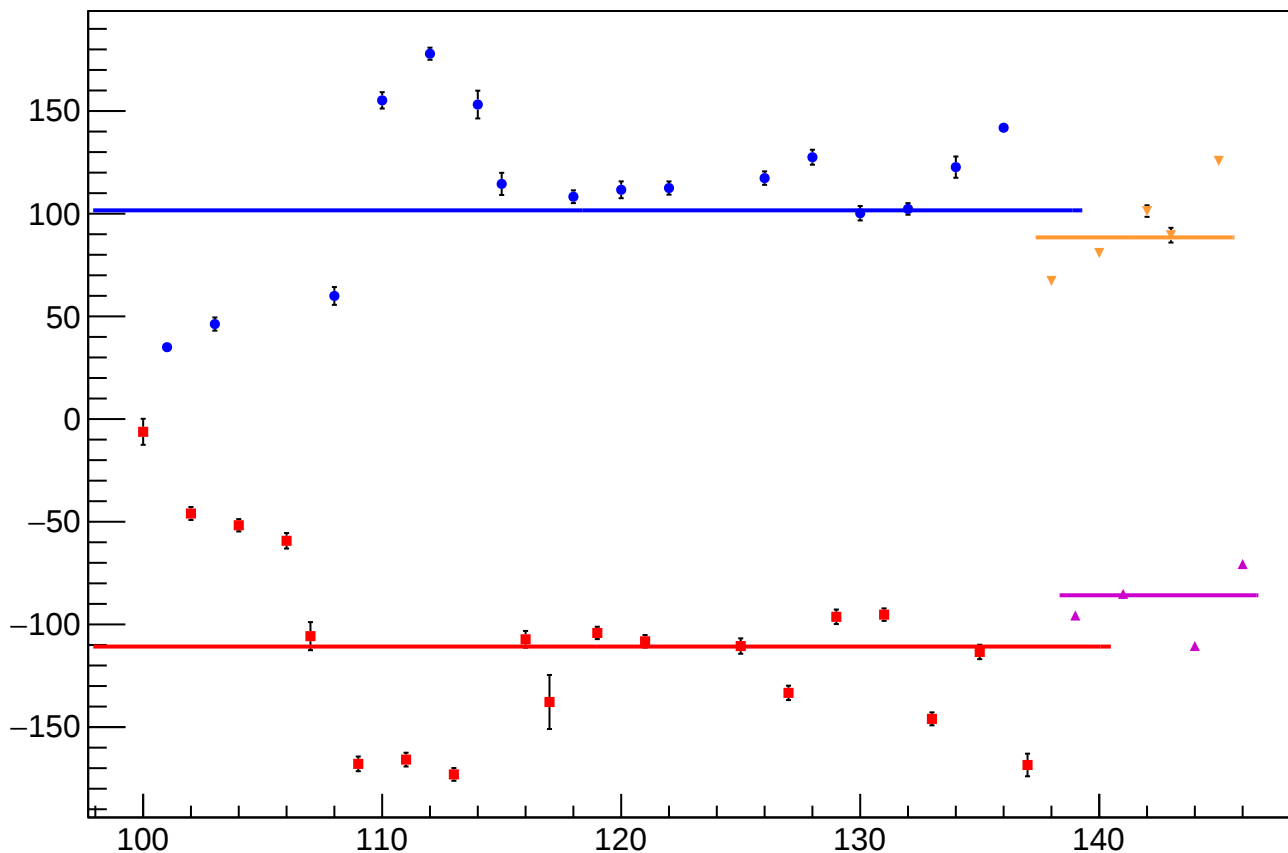
Left In: -1.277 ± 0.606 χ^2/NDF : 28.4/3

4.973 ± 0.371 χ^2/NDF : 636.1/20

-0.463 ± 0.259 χ^2/NDF : 1575.6/43

-5.651 ± 0.362 χ^2/NDF : 519.3/22

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 ± 0.812 $\chi^2/\text{NDF}: 2980.2/15$

Left Out: 88.459 ± 0.950 $\chi^2/\text{NDF}: 489.6/4$

Right Out: -110.778 ± 0.834 $\chi^2/\text{NDF}: 2518.3/18$

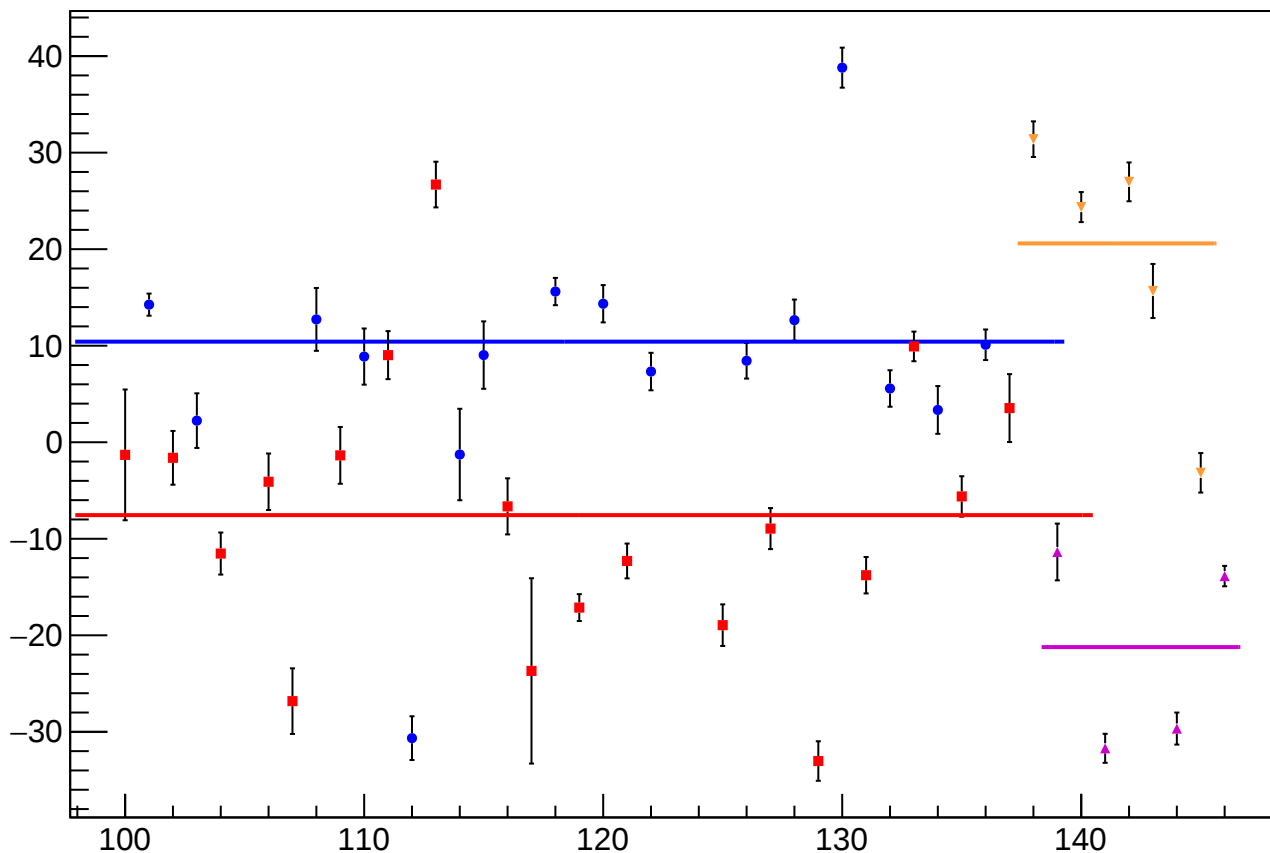
Left In: -85.806 ± 0.862 $\chi^2/\text{NDF}: 291.2/3$

96.073 ± 0.617 $\chi^2/\text{NDF}: 3580.7/20$

-4.170 ± 0.430 $\chi^2/\text{NDF}: 58044.5/43$

-98.698 ± 0.600 $\chi^2/\text{NDF}: 3242.8/22$

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 20.595 ± 0.870 $\chi^2/\text{NDF}: 188.1/4$

Right Out: -7.550 ± 0.522 $\chi^2/\text{NDF}: 692.3/18$

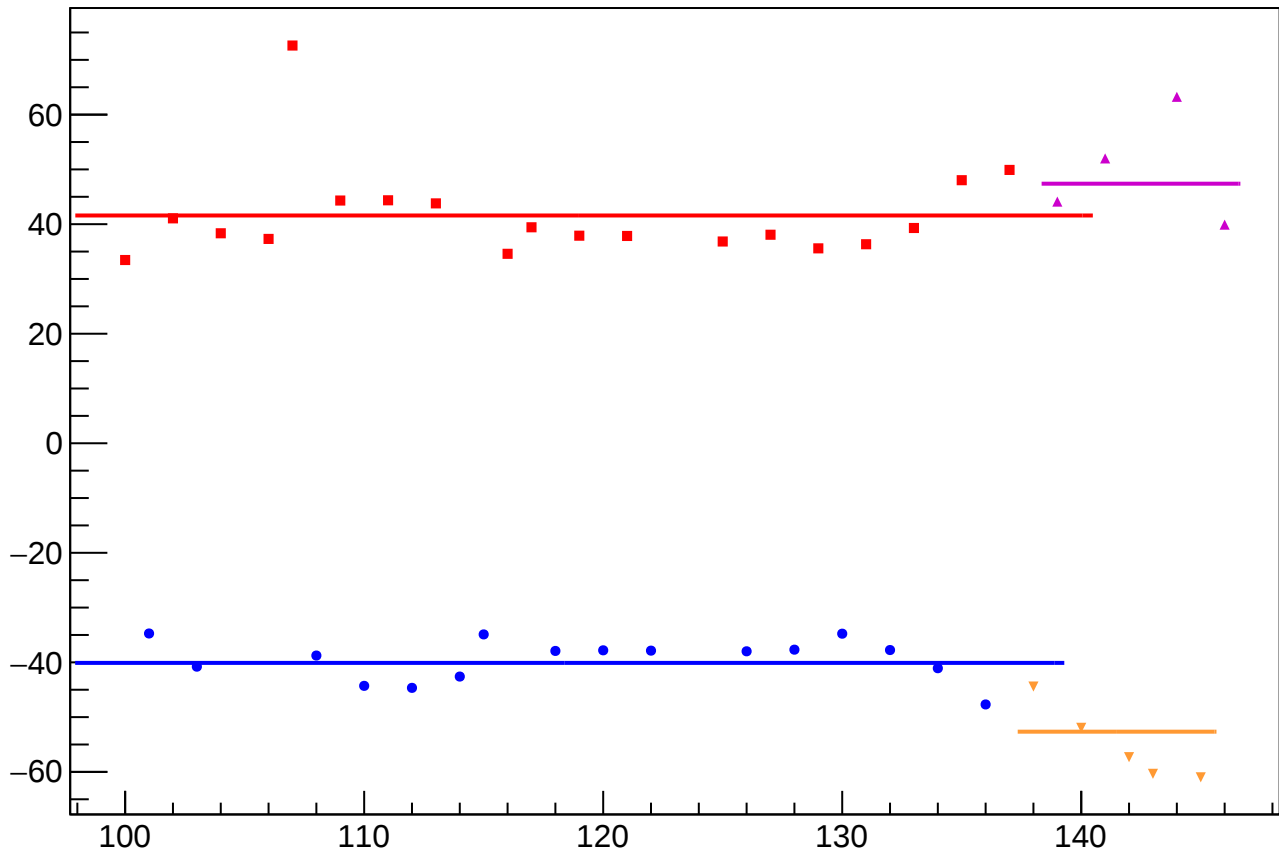
Left In: -21.222 ± 0.742 $\chi^2/\text{NDF}: 134.2/3$

12.925 ± 0.432 $\chi^2/\text{NDF}: 870.9/20$

0.287 ± 0.304 $\chi^2/\text{NDF}: 3619.0/43$

-12.081 ± 0.427 $\chi^2/\text{NDF}: 1053.4/22$

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -52.657 ± 0.039 $\chi^2/\text{NDF}: 28565.6/4$

Right Out: 41.588 ± 0.029 $\chi^2/\text{NDF}: 61690.5/18$

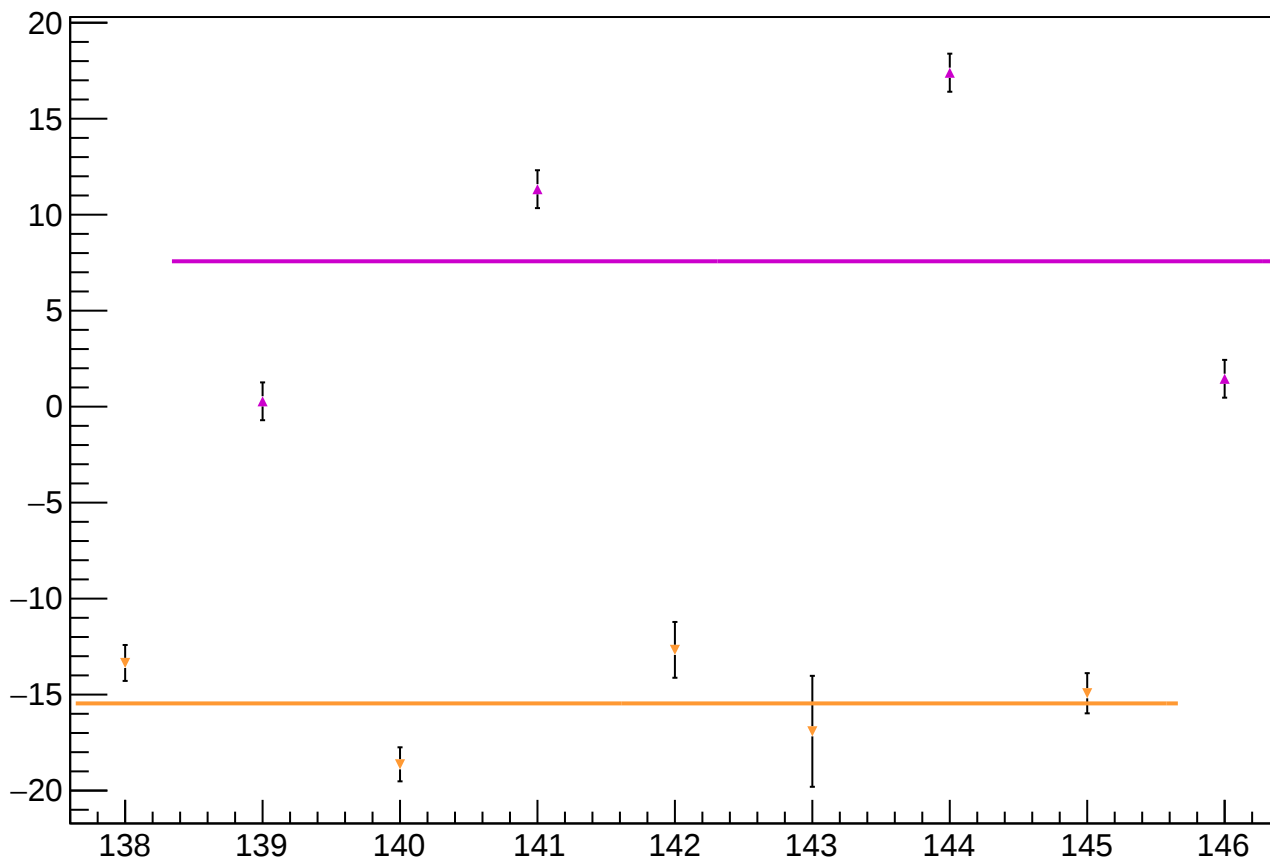
Left In: 47.392 ± 0.036 $\chi^2/\text{NDF}: 50143.3/3$

-44.453 ± 0.023 $\chi^2/\text{NDF}: 121846.9/20$

0.851 ± 0.016 $\chi^2/\text{NDF}: 7887514.9/43$

43.855 ± 0.022 $\chi^2/\text{NDF}: 127961.3/22$

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -15.459+/-0.505 χ^2/NDF : 22.1/4

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

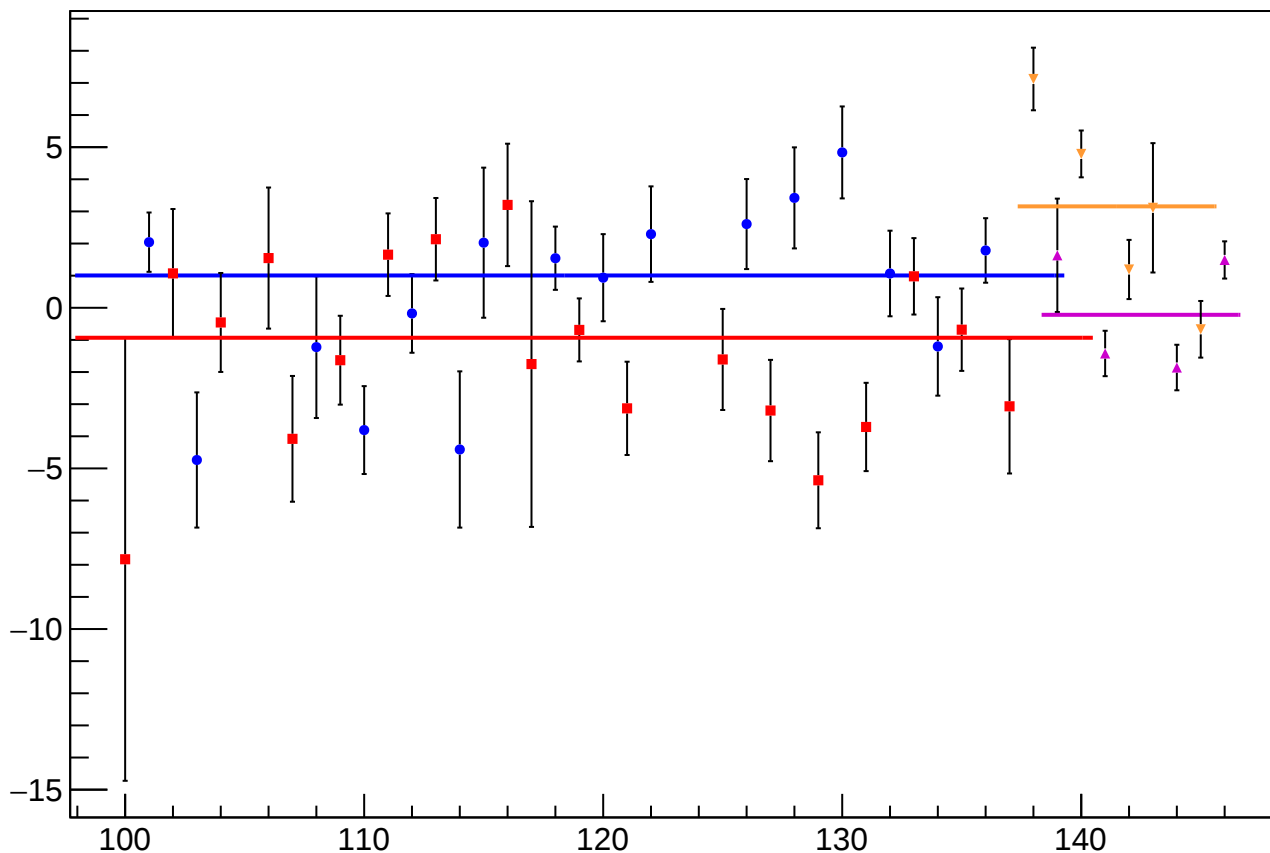
Left In: 7.572+/-0.493 χ^2/NDF : 206.2/3

-15.459+/-0.505 χ^2/NDF : 22.1/4

-3.674+/-0.353 χ^2/NDF : 1292.2/8

7.572+/-0.493 χ^2/NDF : 206.2/3

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: 3.157 ± 0.421 χ^2/NDF : 45.0/4

Right Out: -0.933 ± 0.352 χ^2/NDF : 41.9/18

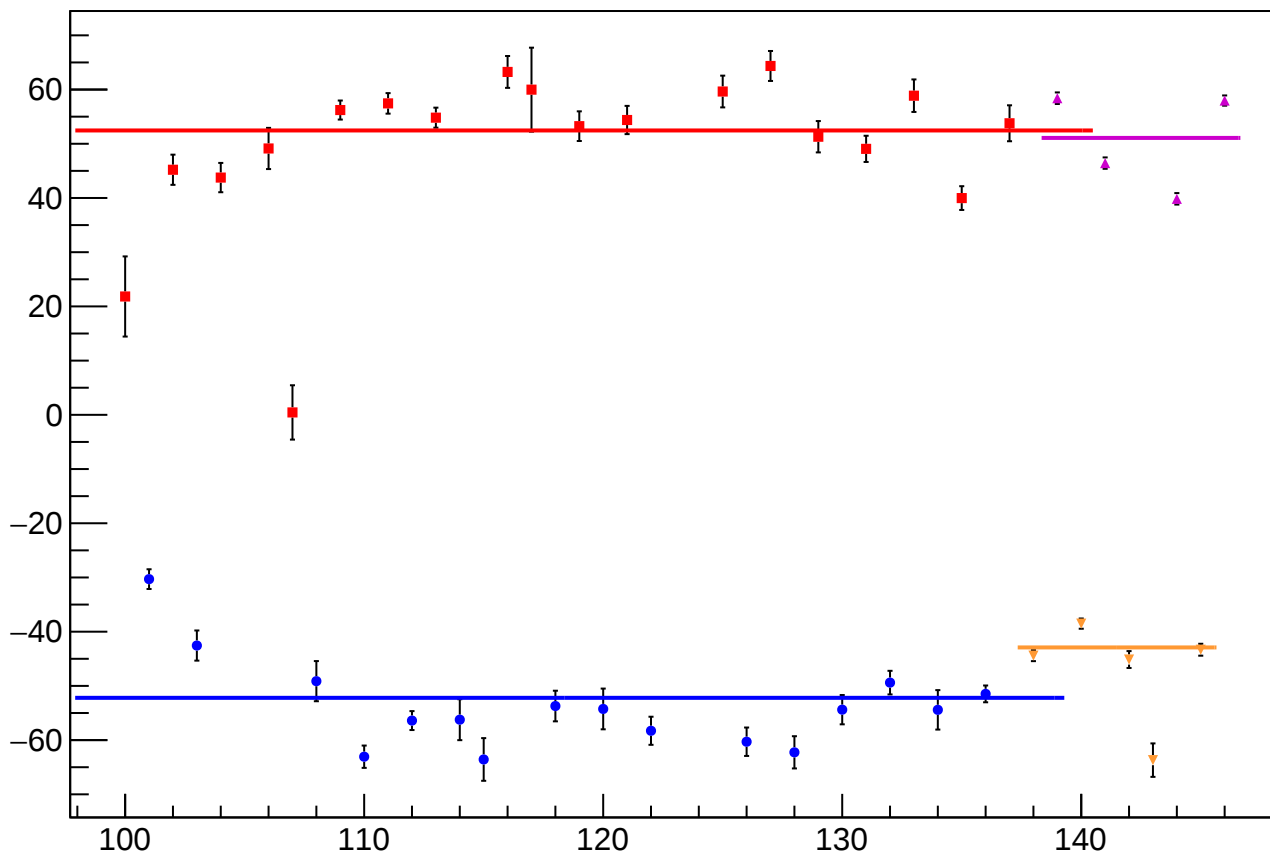
Left In: -0.219 ± 0.370 χ^2/NDF : 18.0/3

1.860 ± 0.265 χ^2/NDF : 103.5/20

0.587 ± 0.184 χ^2/NDF : 209.8/43

-0.593 ± 0.255 χ^2/NDF : 61.9/22

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -42.905 ± 0.539 χ^2/NDF : 71.5/4

Right Out: 52.455 ± 0.614 χ^2/NDF : 234.8/18

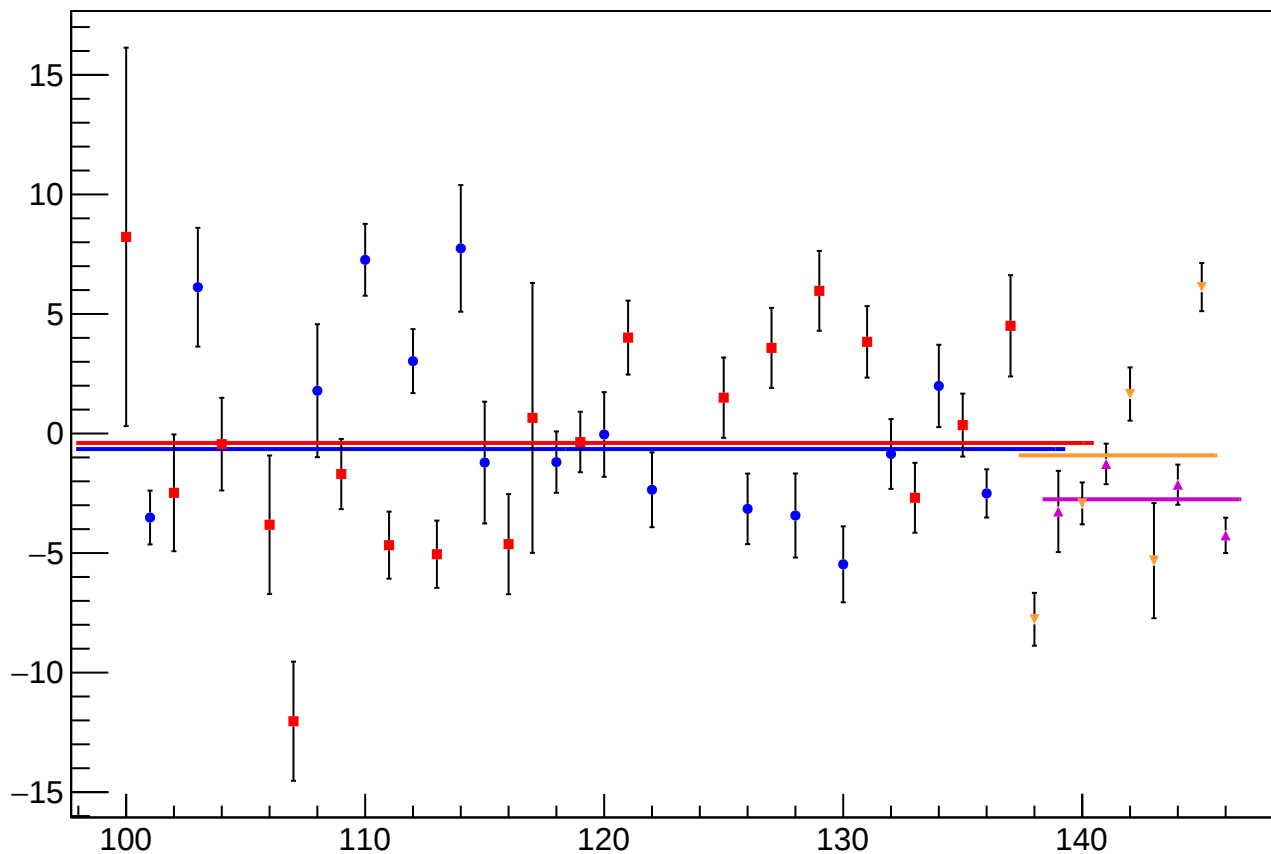
Left In: 51.079 ± 0.513 χ^2/NDF : 232.5/3

-46.948 ± 0.405 χ^2/NDF : 431.3/20

3.798 ± 0.282 χ^2/NDF : 31348.9/43

51.644 ± 0.394 χ^2/NDF : 470.3/22

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: -0.912 ± 0.495 χ^2/NDF : 101.2/4

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

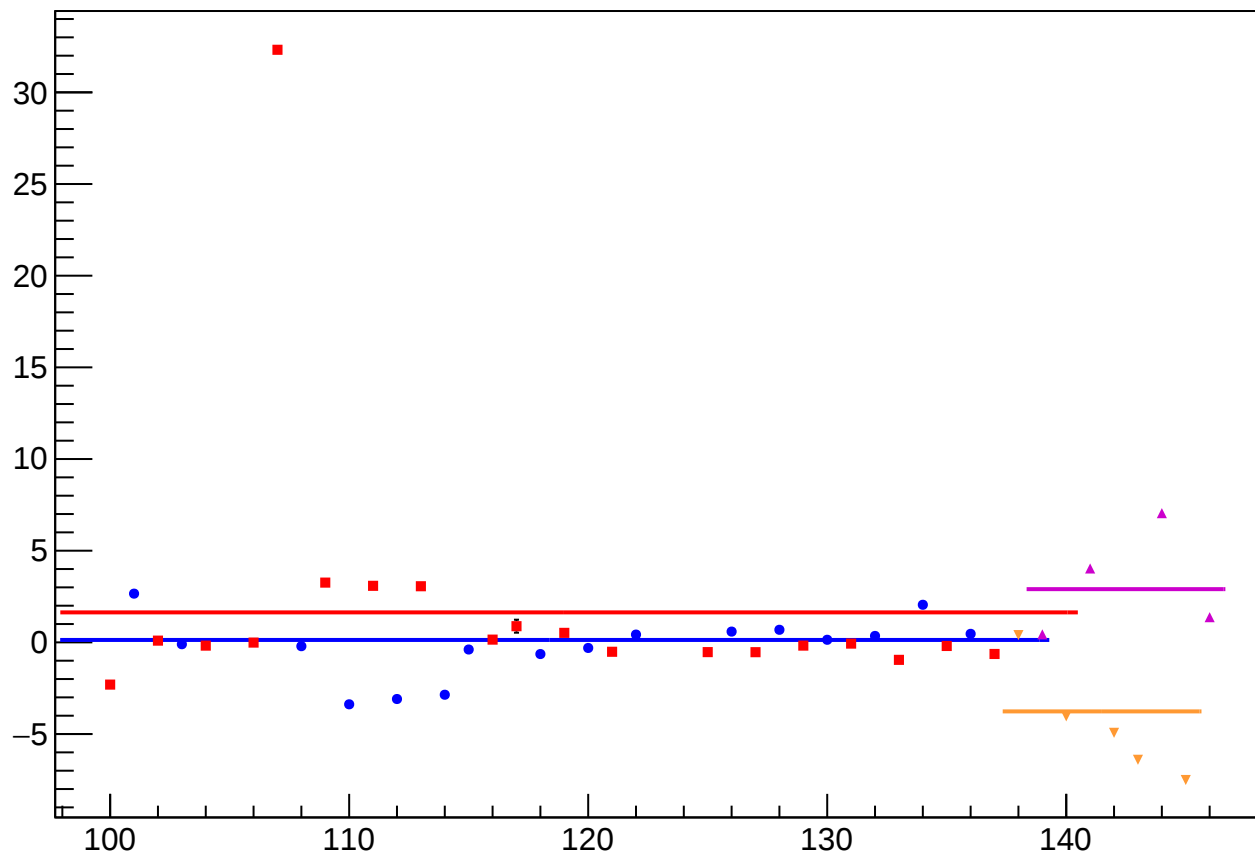
Left In: -2.751 ± 0.448 χ^2/NDF : 7.8/3

-0.750 ± 0.305 χ^2/NDF : 183.3/20

-1.100 ± 0.213 χ^2/NDF : 305.0/43

-1.435 ± 0.298 χ^2/NDF : 119.2/22

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 χ^2/NDF : 5247.5/15

Left Out: -3.765 ± 0.022 χ^2/NDF : 19333.3/4

Right Out: 1.635 ± 0.022 χ^2/NDF : 77852.9/18

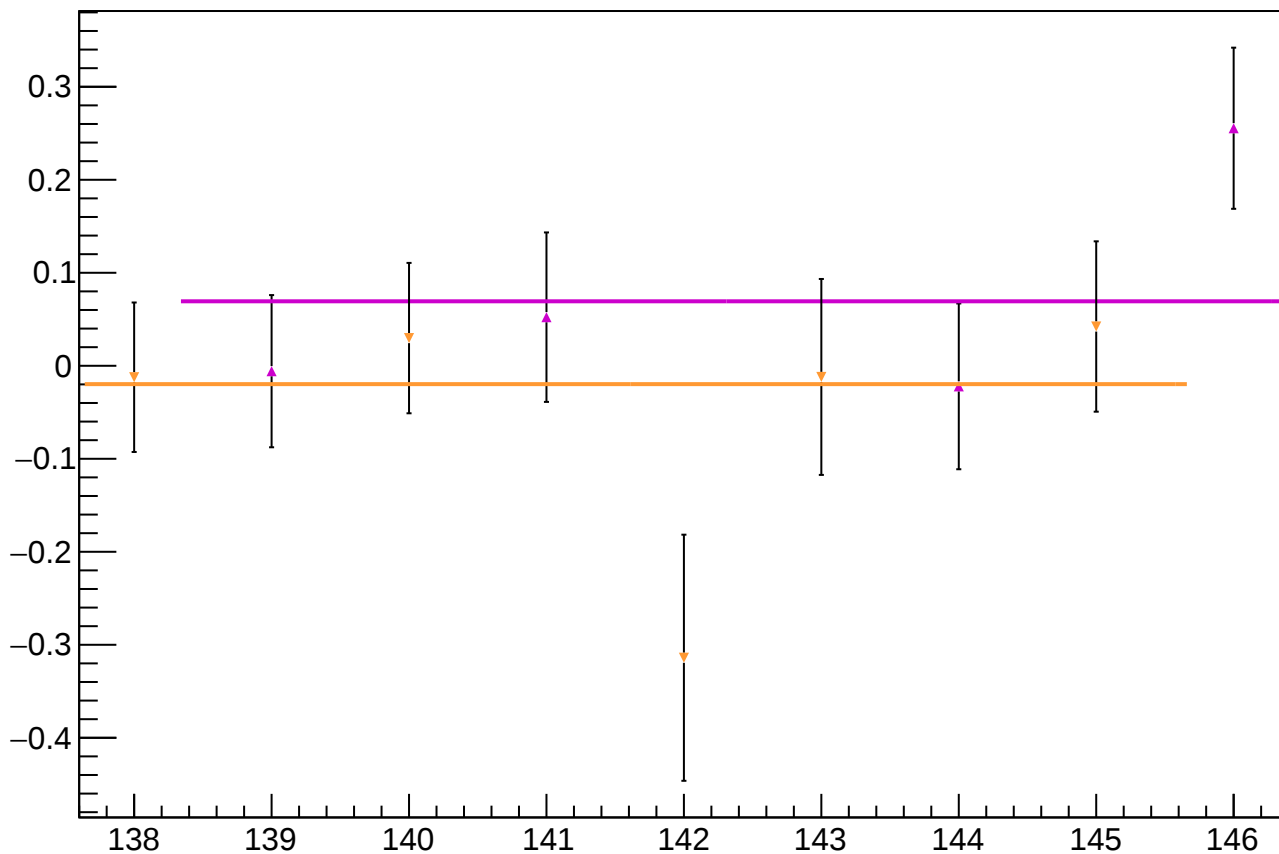
Left In: 2.903 ± 0.021 χ^2/NDF : 14260.0/3

-1.787 ± 0.015 χ^2/NDF : 40670.3/20

0.283 ± 0.011 χ^2/NDF : 170335.2/43

2.292 ± 0.015 χ^2/NDF : 93865.7/22

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.020 $\pm$ 0.042 χ^2 /NDF: 5.8/4

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

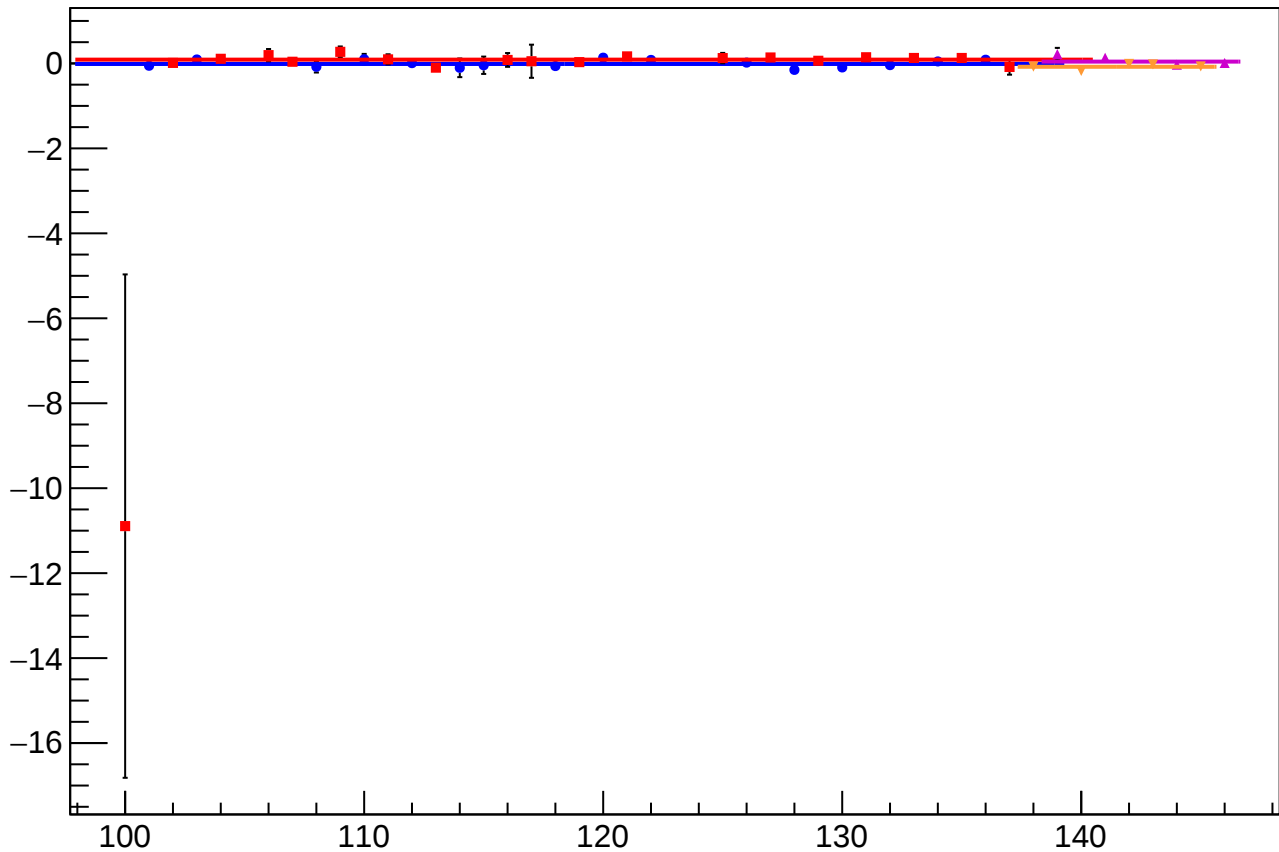
Left In: 0.069 $\pm$ 0.043 χ^2 /NDF: 6.5/3

-0.020 $\pm$ 0.042 χ^2 /NDF: 5.8/4

0.023 $\pm$ 0.030 χ^2 /NDF: 14.5/8

0.069 $\pm$ 0.043 χ^2 /NDF: 6.5/3

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 11.7/15

Left Out: -0.079 $\pm$ 0.034 χ^2 /NDF: 3.4/4

Right Out: 0.089 $\pm$ 0.025 χ^2 /NDF: 13.0/18

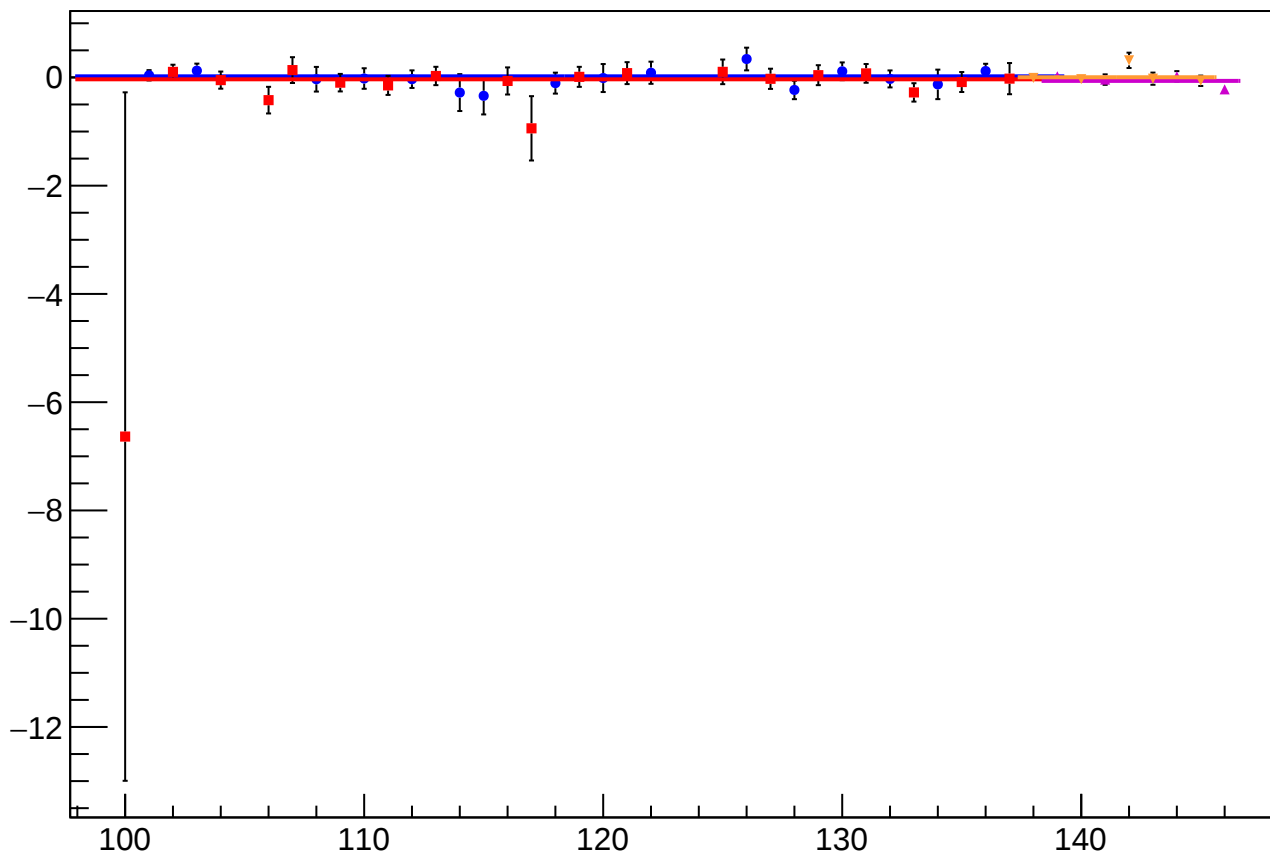
Left In: 0.043 $\pm$ 0.033 χ^2 /NDF: 5.0/3

-0.034 $\pm$ 0.019 χ^2 /NDF: 17.6/20

0.018 $\pm$ 0.014 χ^2 /NDF: 51.7/43

0.073 $\pm$ 0.020 χ^2 /NDF: 19.2/22

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.003 $\pm$ 0.045 χ^2 /NDF: 5.6/4

Right Out: -0.035 $\pm$ 0.045 χ^2 /NDF: 11.6/18

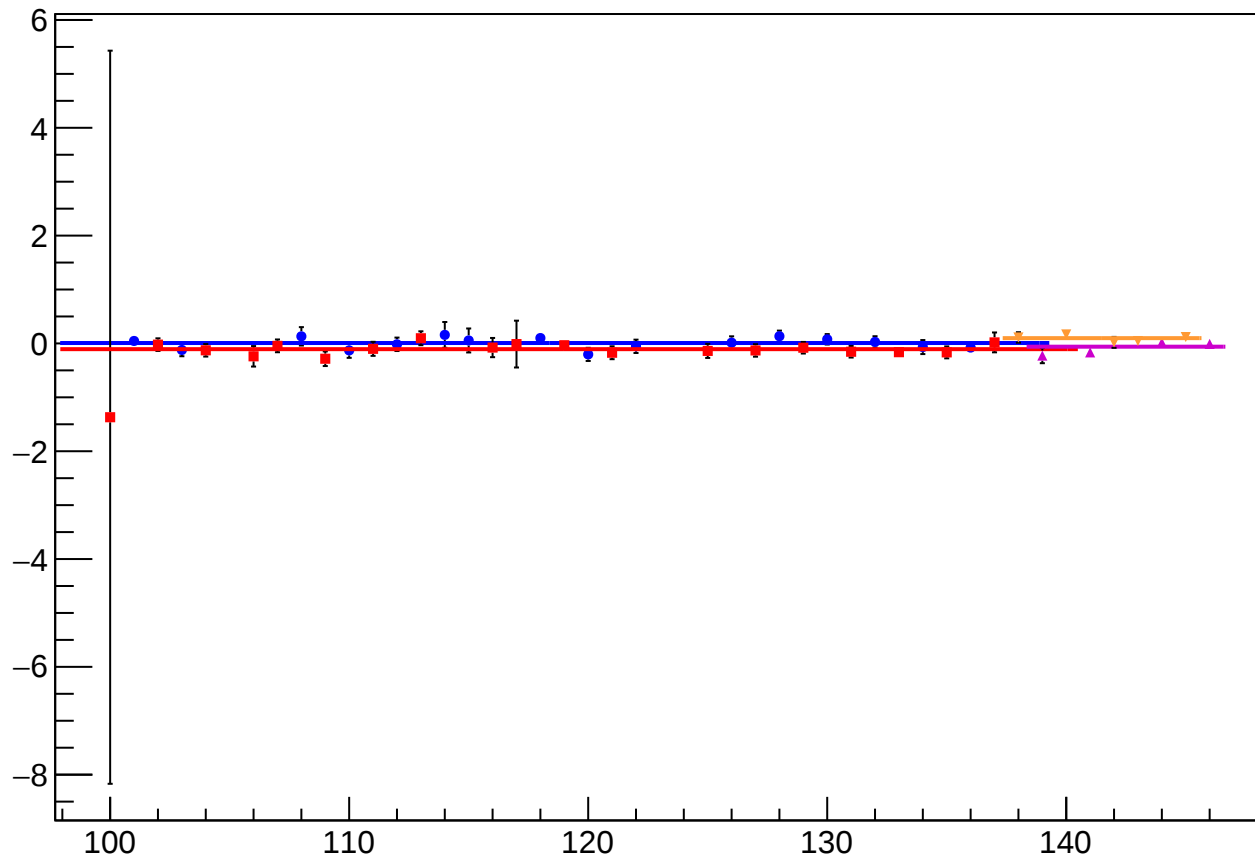
Left In: -0.064 $\pm$ 0.045 χ^2 /NDF: 5.3/3

0.012 $\pm$ 0.031 χ^2 /NDF: 14.7/20

-0.018 $\pm$ 0.022 χ^2 /NDF: 33.7/43

-0.050 $\pm$ 0.032 χ^2 /NDF: 17.1/22

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.098 ± 0.040 χ^2/NDF : 1.8/4

Right Out: -0.106 ± 0.029 χ^2/NDF : 8.2/18

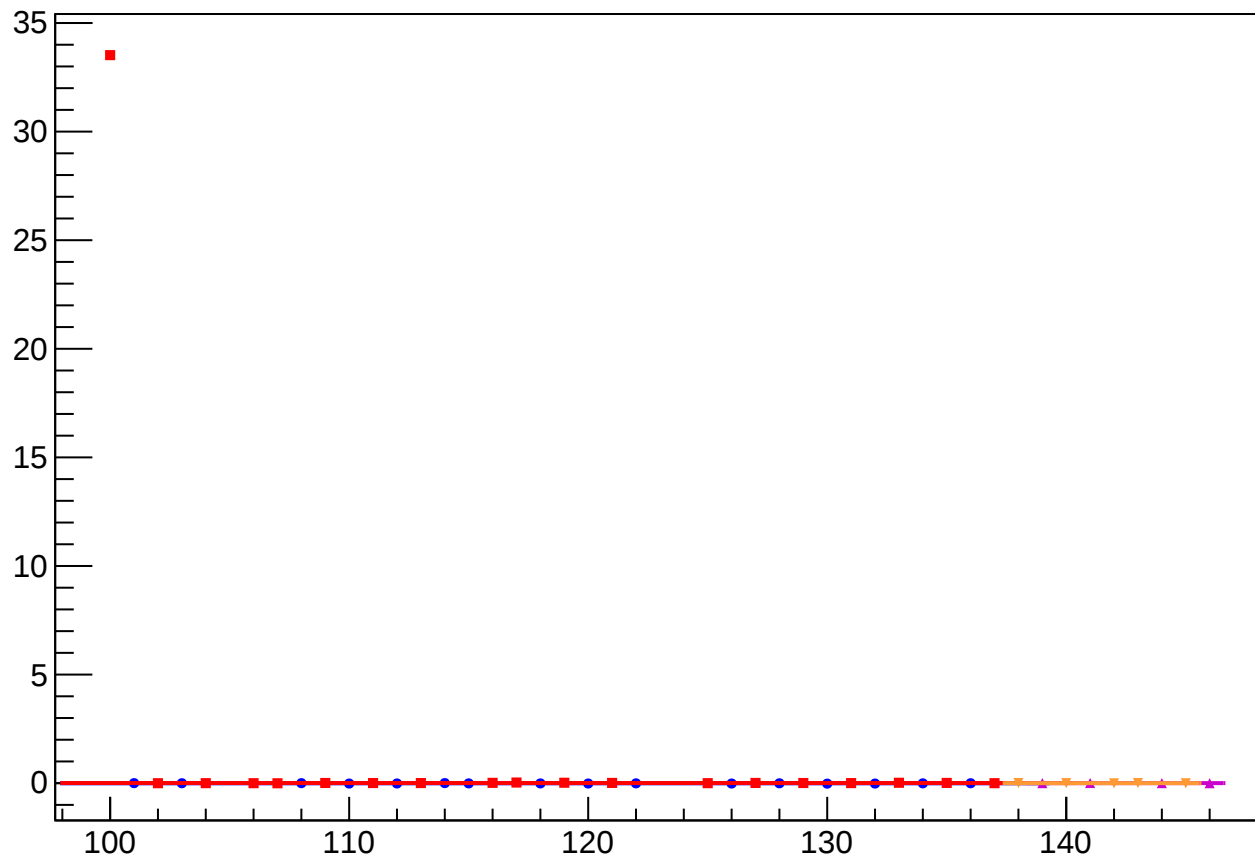
Left In: -0.061 ± 0.040 χ^2/NDF : 4.8/3

0.036 ± 0.022 χ^2/NDF : 16.5/20

-0.026 ± 0.016 χ^2/NDF : 45.8/43

-0.091 ± 0.023 χ^2/NDF : 13.9/22

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.002 χ^2/NDF : 7.2/4

Right Out: 0.006 ± 0.001 χ^2/NDF : 26509.5/18

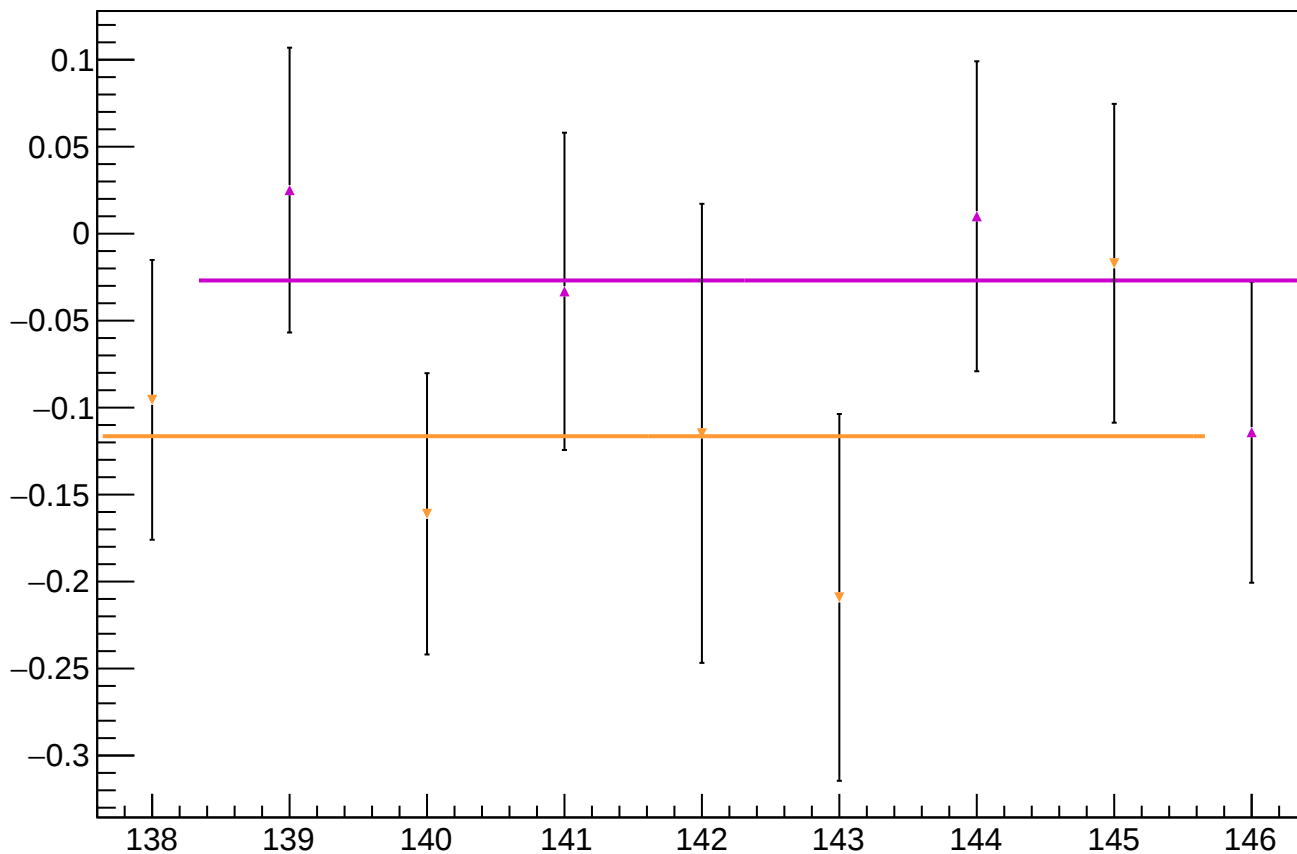
Left In: 0.002 ± 0.002 χ^2/NDF : 2.9/3

-0.003 ± 0.001 χ^2/NDF : 35.7/20

0.001 ± 0.001 χ^2/NDF : 26572.2/43

0.004 ± 0.001 χ^2/NDF : 26515.1/22

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.116+/-0.042 χ^2/NDF : 2.3/4

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

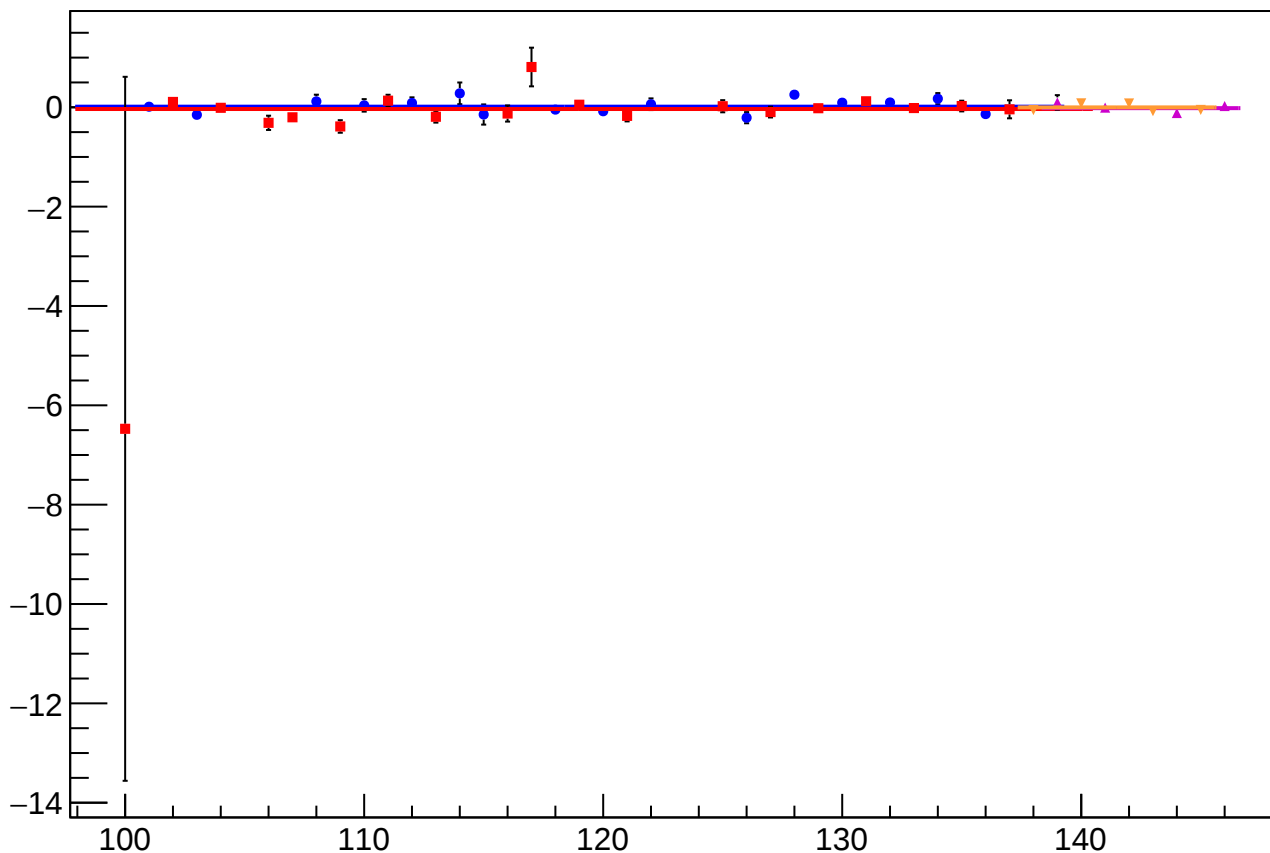
Left In: -0.027+/-0.043 χ^2/NDF : 1.6/3

-0.116+/-0.042 χ^2/NDF : 2.3/4

-0.074+/-0.030 χ^2/NDF : 6.1/8

-0.027+/-0.043 χ^2/NDF : 1.6/3

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 ± 0.023 $\chi^2/\text{NDF}: 25.0/15$

Left Out: -0.002 ± 0.034 $\chi^2/\text{NDF}: 4.3/4$

Right Out: -0.035 ± 0.025 $\chi^2/\text{NDF}: 33.2/18$

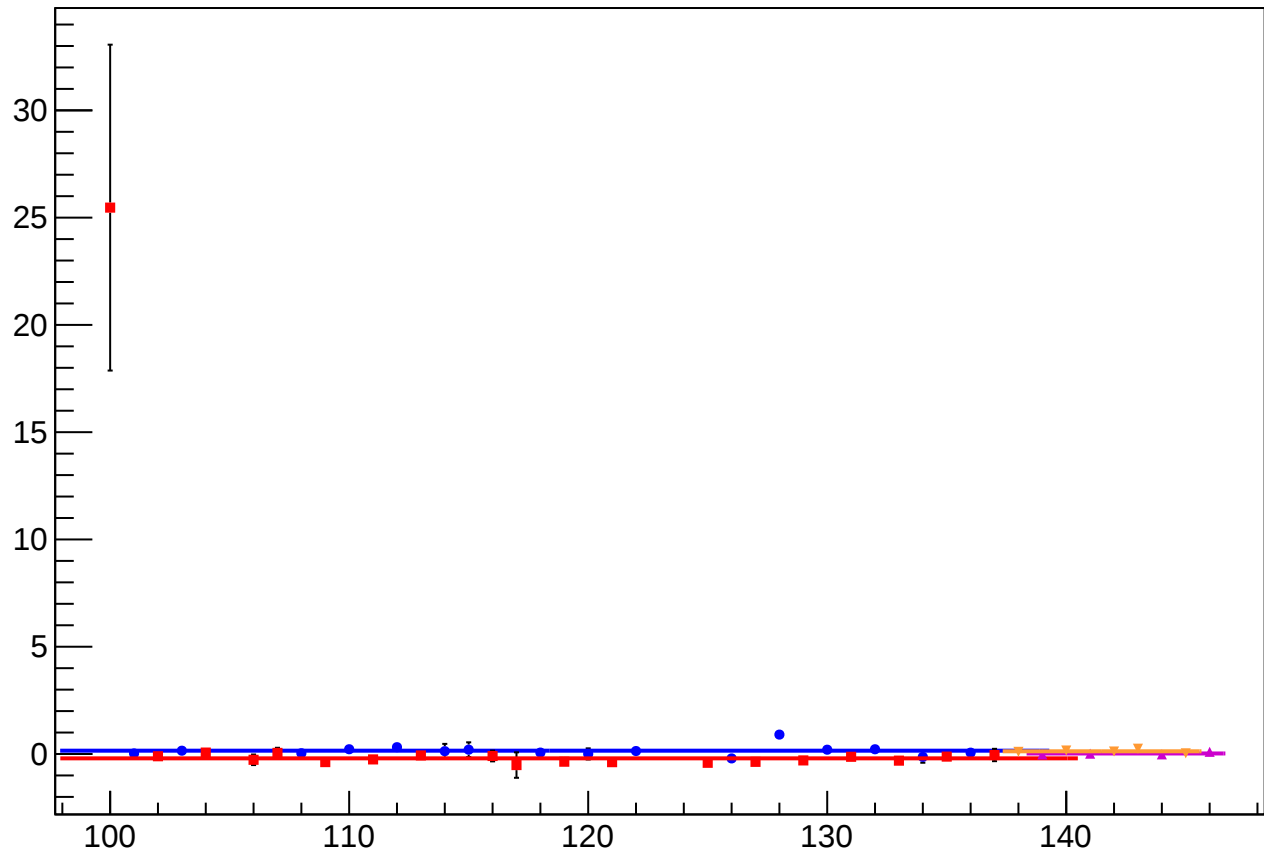
Left In: -0.018 ± 0.033 $\chi^2/\text{NDF}: 3.7/3$

0.008 ± 0.019 $\chi^2/\text{NDF}: 29.4/20$

-0.010 ± 0.014 $\chi^2/\text{NDF}: 68.2/43$

-0.029 ± 0.020 $\chi^2/\text{NDF}: 37.1/22$

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 ± 0.043 $\chi^2/\text{NDF}: 27.9/15$

Left Out: 0.126 ± 0.045 $\chi^2/\text{NDF}: 2.4/4$

Right Out: -0.203 ± 0.045 $\chi^2/\text{NDF}: 22.9/18$

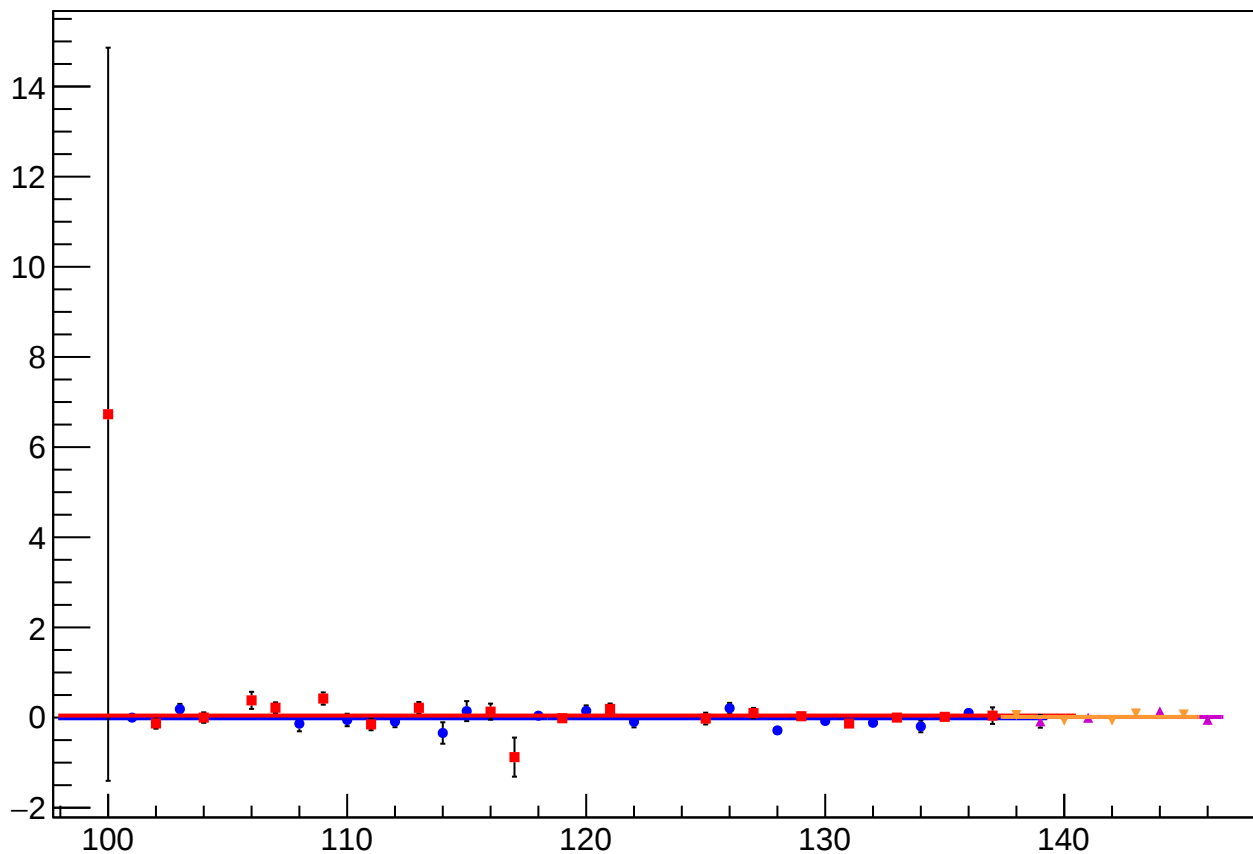
Left In: 0.024 ± 0.045 $\chi^2/\text{NDF}: 1.3/3$

0.141 ± 0.031 $\chi^2/\text{NDF}: 30.5/20$

0.029 ± 0.022 $\chi^2/\text{NDF}: 94.5/43$

-0.090 ± 0.032 $\chi^2/\text{NDF}: 36.9/22$

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.015 ± 0.040 χ^2/NDF : 3.1/4

Right Out: 0.044 ± 0.029 χ^2/NDF : 30.5/18

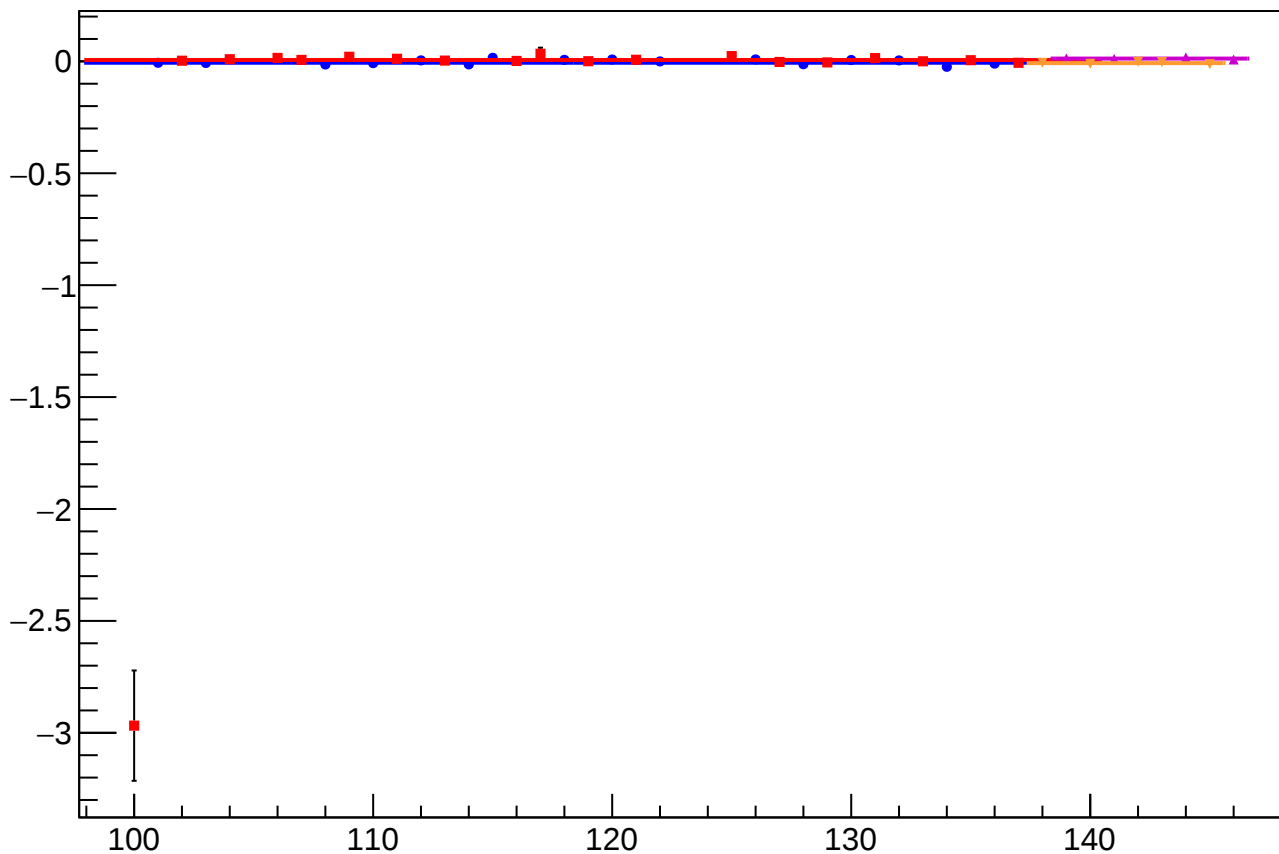
Left In: 0.013 ± 0.040 χ^2/NDF : 4.1/3

-0.006 ± 0.022 χ^2/NDF : 27.8/20

0.013 ± 0.016 χ^2/NDF : 64.4/43

0.034 ± 0.023 χ^2/NDF : 35.0/22

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 $\chi^2/\text{NDF}: 27.3/15$

Left Out: -0.008 ± 0.002 $\chi^2/\text{NDF}: 4.7/4$

Right Out: 0.006 ± 0.001 $\chi^2/\text{NDF}: 167.0/18$

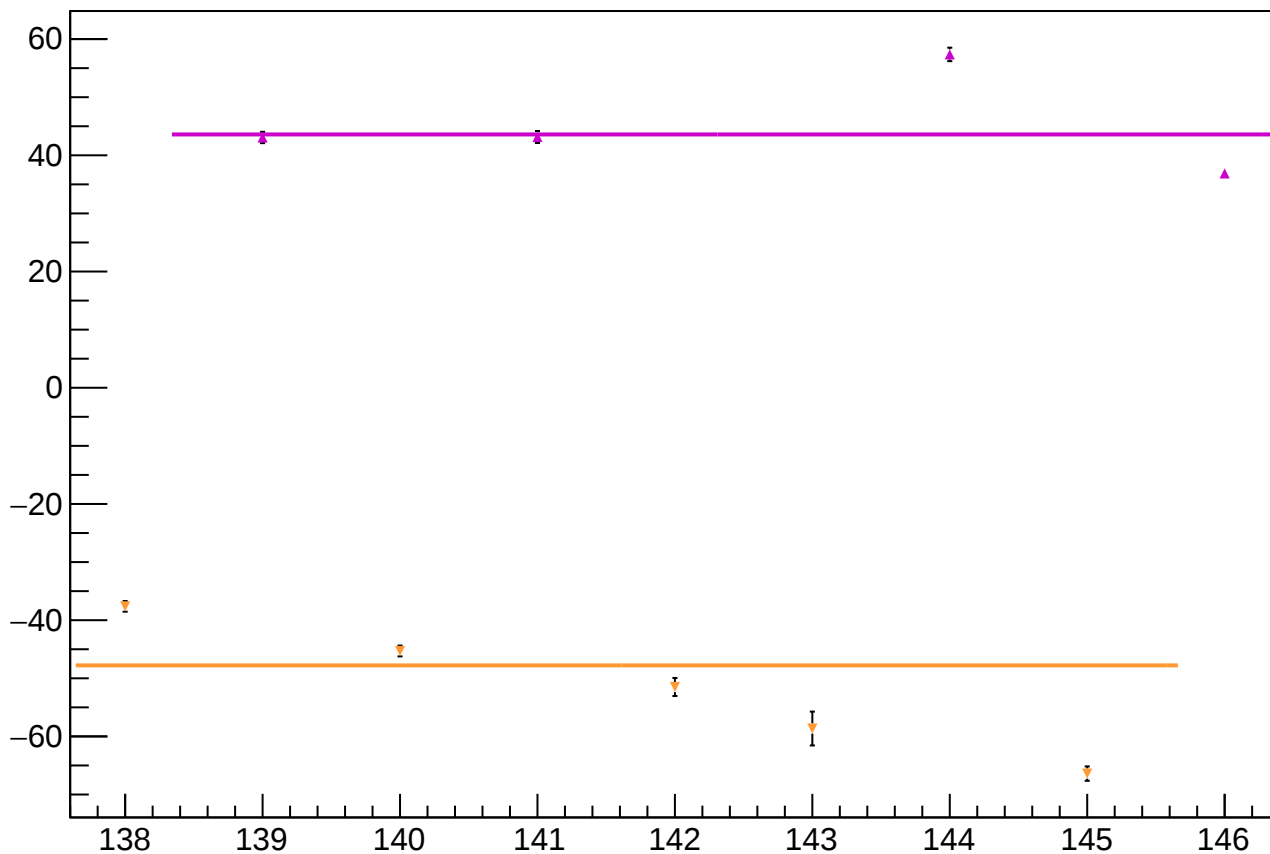
Left In: 0.012 ± 0.002 $\chi^2/\text{NDF}: 2.8/3$

-0.007 ± 0.001 $\chi^2/\text{NDF}: 32.6/20$

0.001 ± 0.001 $\chi^2/\text{NDF}: 301.1/43$

0.008 ± 0.001 $\chi^2/\text{NDF}: 176.9/22$

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -47.776+/-0.533 χ^2/NDF : 375.2/4

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

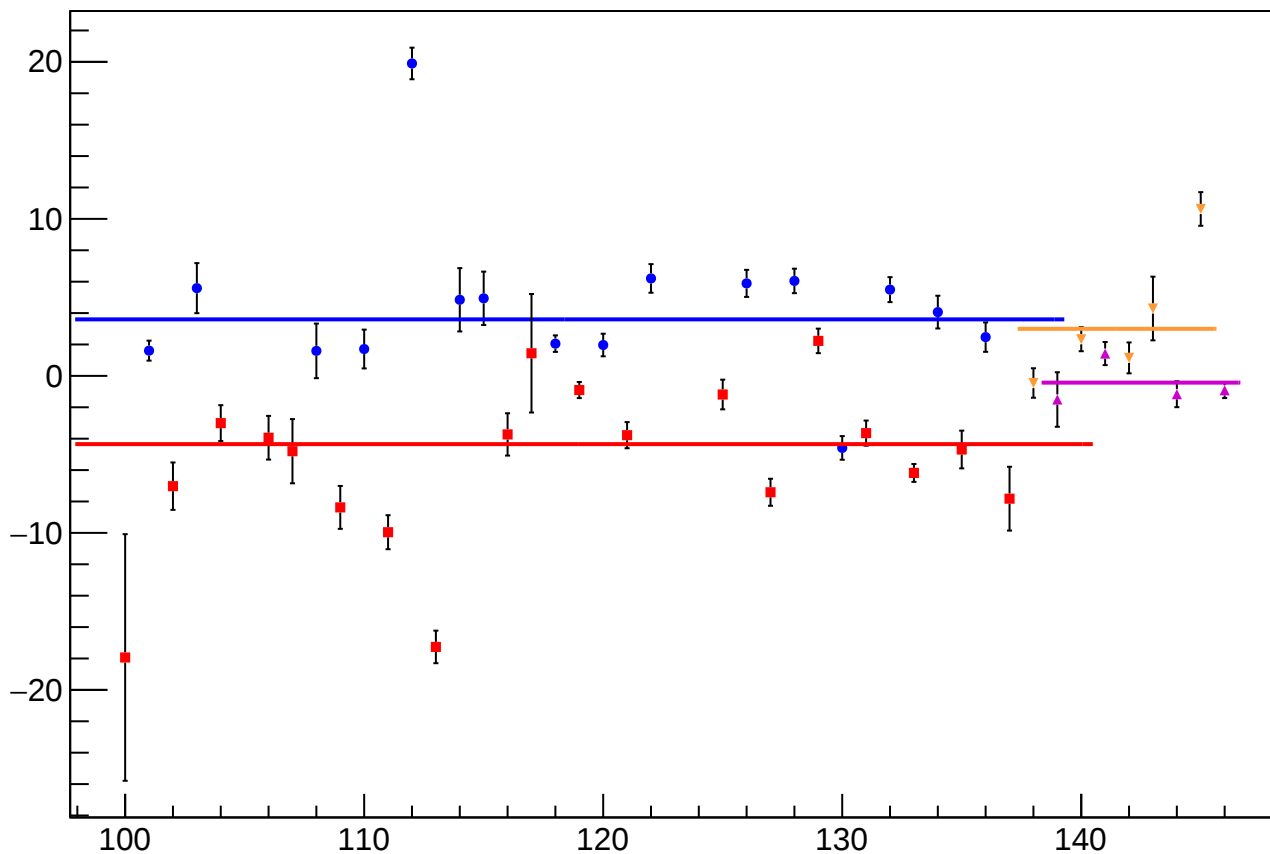
Left In: 43.592+/-0.493 χ^2/NDF : 203.5/3

-47.776+/-0.533 χ^2/NDF : 375.2/4

1.469+/-0.362 χ^2/NDF : 16427.7/8

43.592+/-0.493 χ^2/NDF : 203.5/3

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 2.998 ± 0.448 χ^2/NDF : 69.0/4

Right Out: -4.347 ± 0.224 χ^2/NDF : 355.4/18

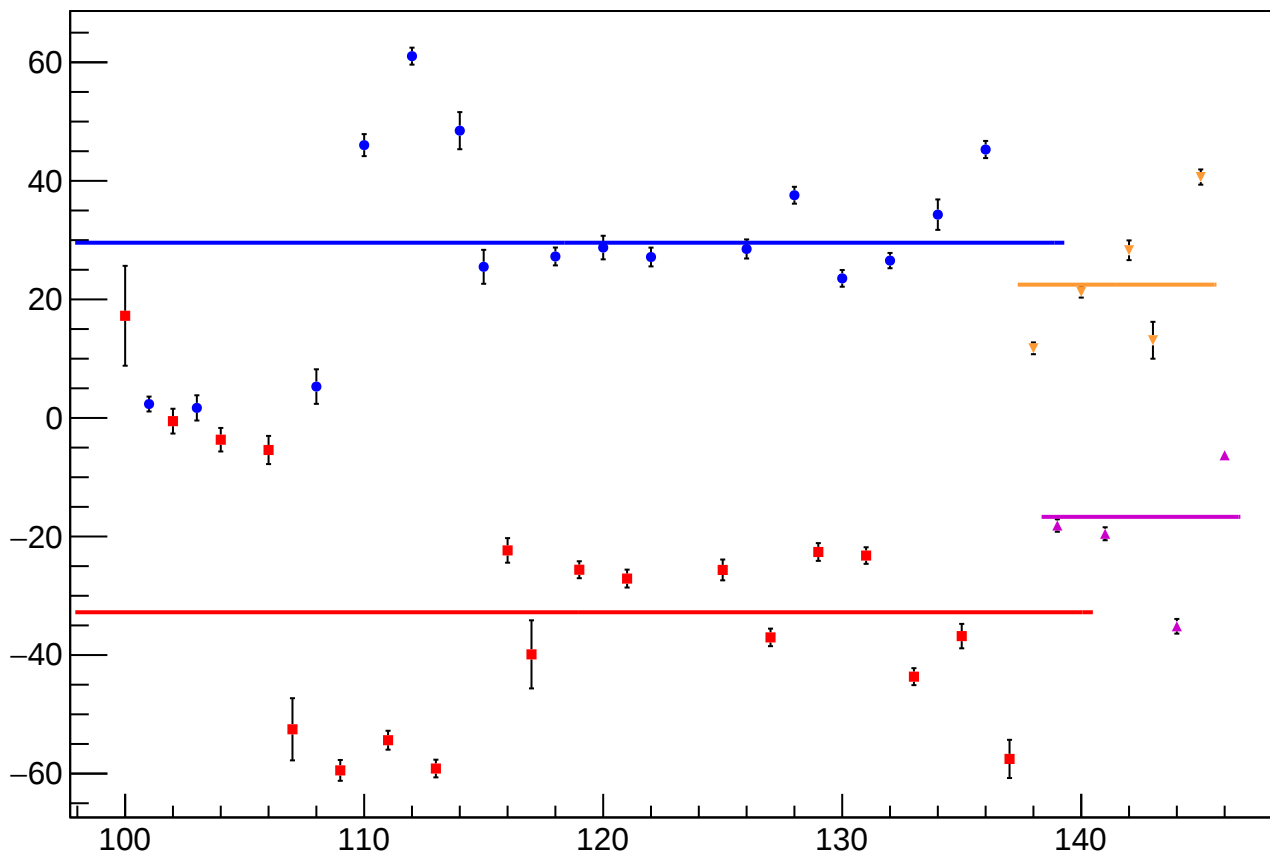
Left In: -0.429 ± 0.360 χ^2/NDF : 8.5/3

3.482 ± 0.198 χ^2/NDF : 513.9/20

-0.010 ± 0.137 χ^2/NDF : 1564.6/43

-3.252 ± 0.191 χ^2/NDF : 449.1/22

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 22.492 $\pm$ 0.568 χ^2 /NDF: 338.7/4

Right Out: -32.780 $\pm$ 0.422 χ^2 /NDF: 1664.8/18

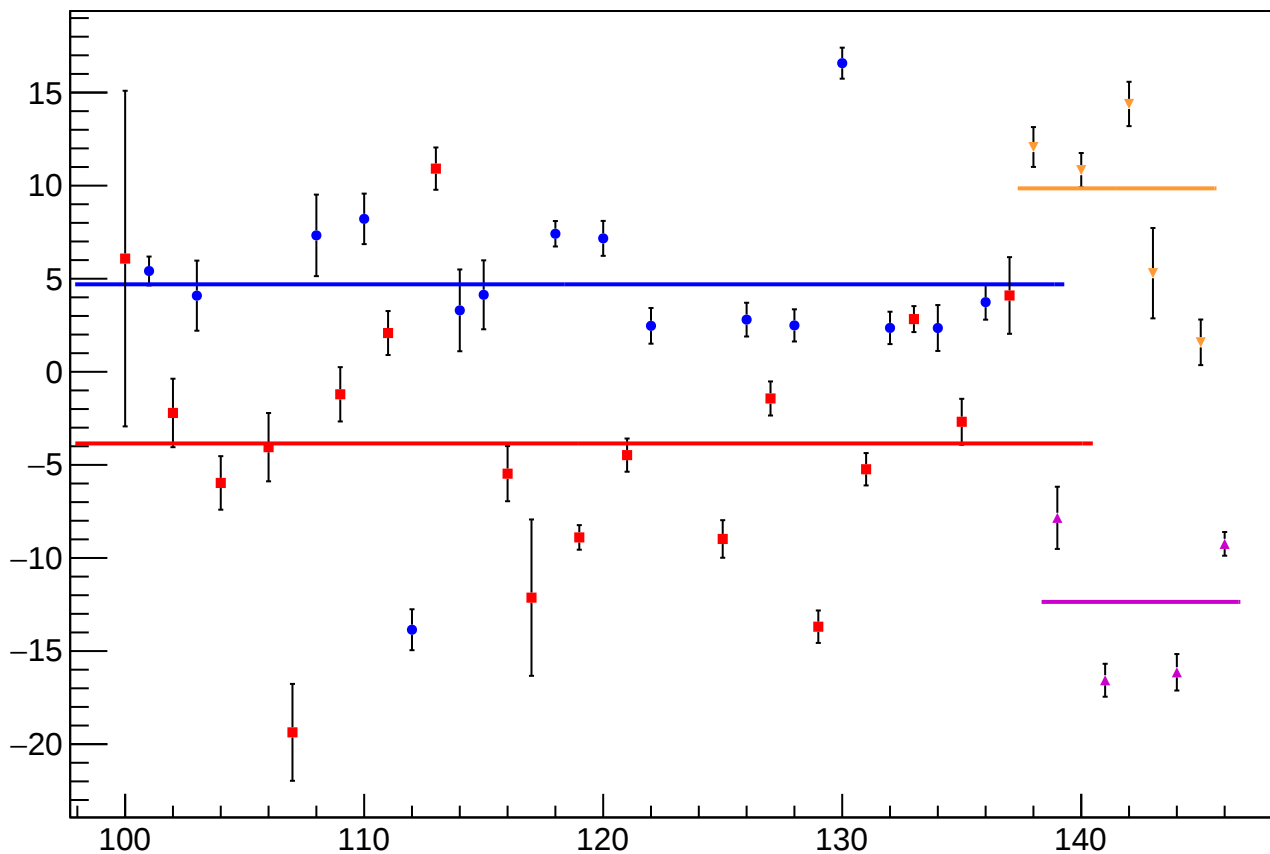
Left In: -16.684 $\pm$ 0.507 χ^2 /NDF: 392.9/3

27.070 $\pm$ 0.338 χ^2 /NDF: 1933.5/20

-0.639 $\pm$ 0.234 χ^2 /NDF: 17542.6/43

-26.203 $\pm$ 0.324 χ^2 /NDF: 2653.3/22

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 9.854 ± 0.528 $\chi^2/\text{NDF}: 69.0/4$

Right Out: -3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

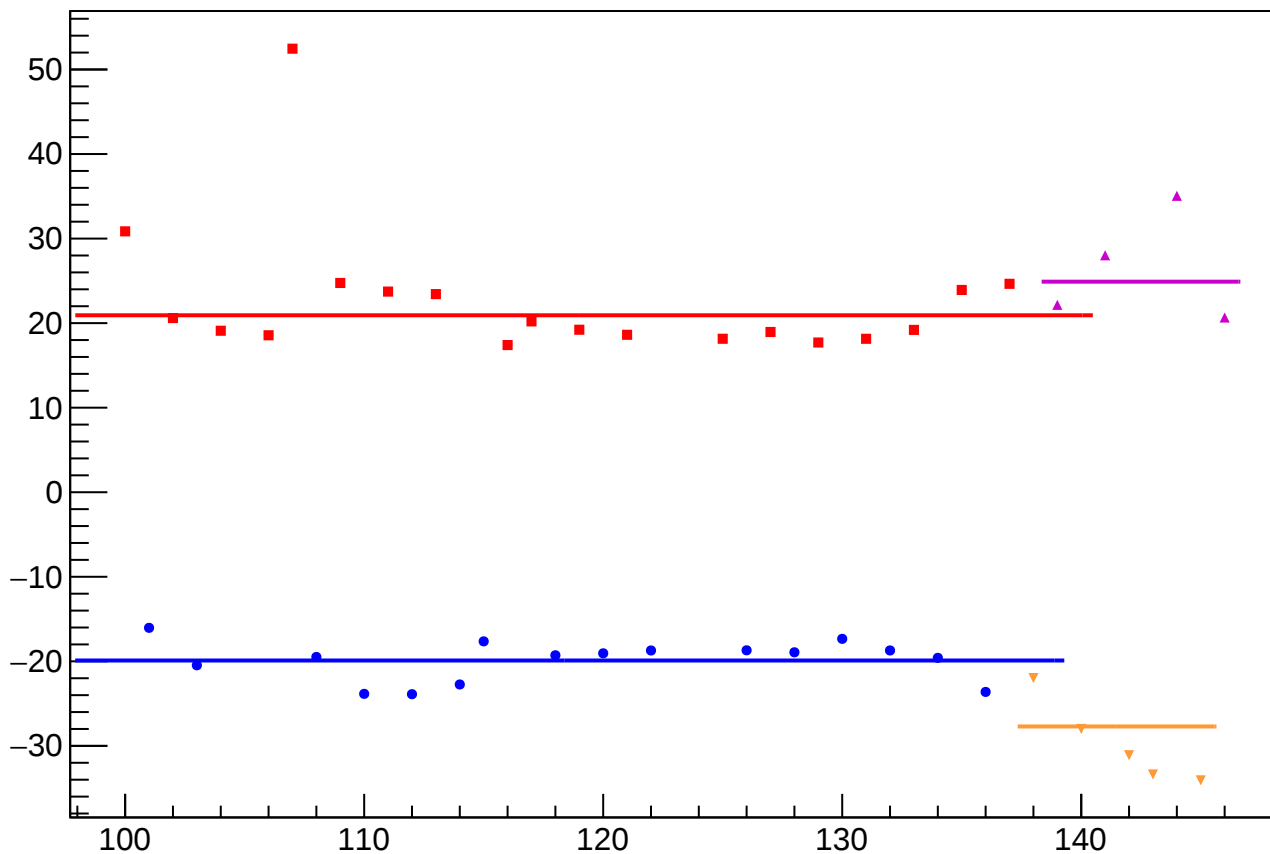
Left In: -12.359 ± 0.441 $\chi^2/\text{NDF}: 68.9/3$

5.669 ± 0.229 $\chi^2/\text{NDF}: 695.5/20$

-0.337 ± 0.160 $\chi^2/\text{NDF}: 2954.0/43$

-6.020 ± 0.223 $\chi^2/\text{NDF}: 918.2/22$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -27.702 ± 0.023 $\chi^2/\text{NDF}: 41811.7/4$

Right Out: 20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

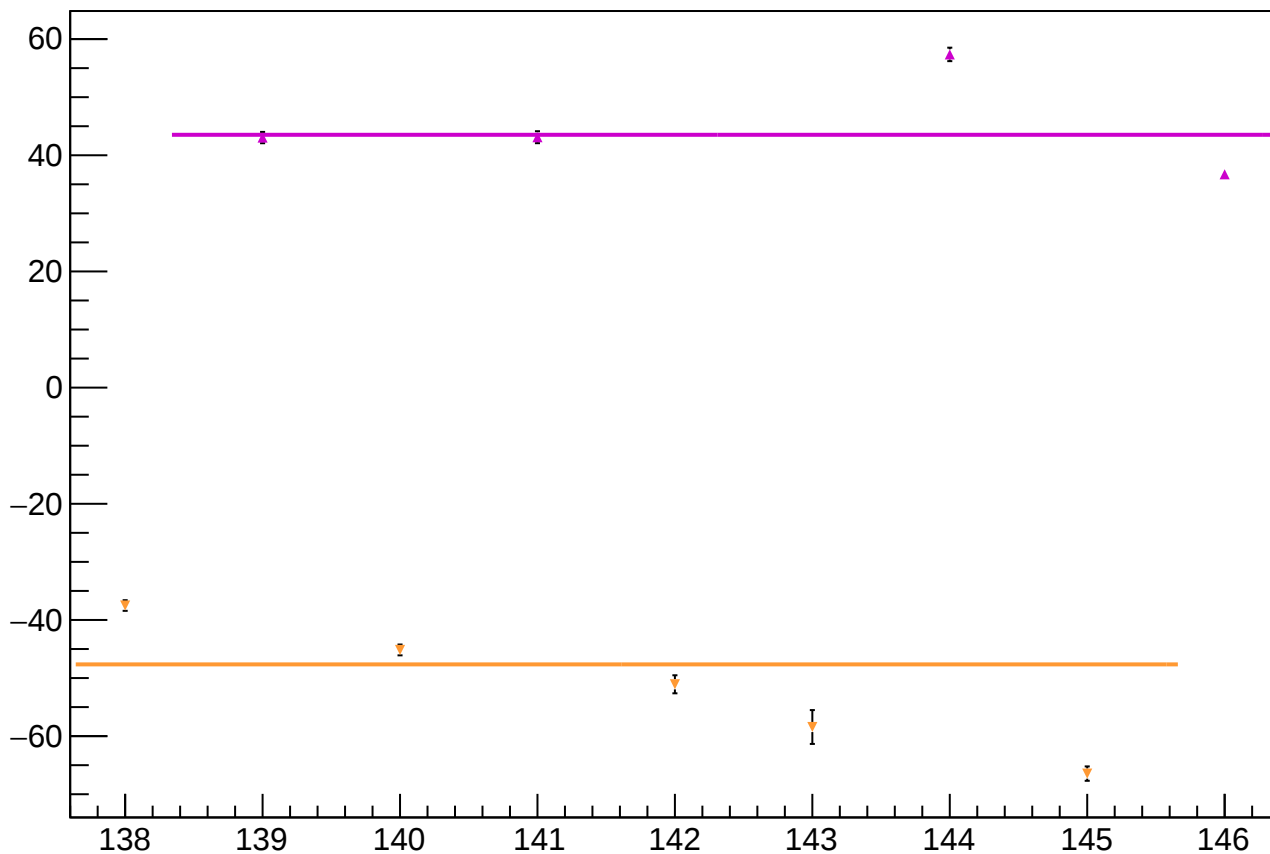
Left In: 24.904 ± 0.021 $\chi^2/\text{NDF}: 57997.5/3$

-22.343 ± 0.013 $\chi^2/\text{NDF}: 145608.4/20$

0.752 ± 0.009 $\chi^2/\text{NDF}: 6457429.1/43$

22.362 ± 0.013 $\chi^2/\text{NDF}: 175164.5/22$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -47.648+/-0.533 χ^2/NDF : 378.5/4

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

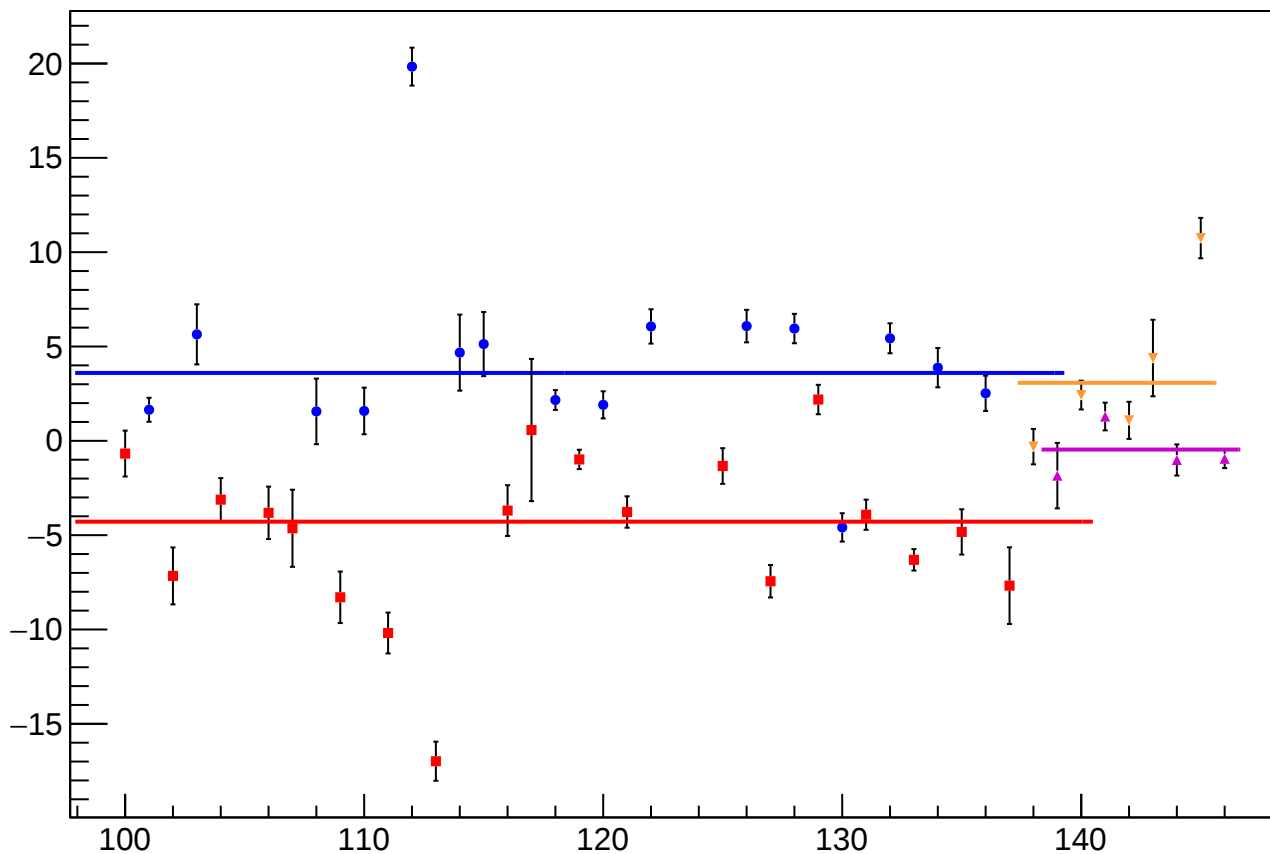
Left In: 43.524+/-0.492 χ^2/NDF : 206.6/3

-47.648+/-0.533 χ^2/NDF : 378.5/4

1.495+/-0.362 χ^2/NDF : 16384.5/8

43.524+/-0.492 χ^2/NDF : 206.6/3

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 440.3/15$

Left Out: 3.076 ± 0.447 $\chi^2/\text{NDF}: 69.6/4$

Right Out: -4.284 ± 0.221 $\chi^2/\text{NDF}: 353.8/18$

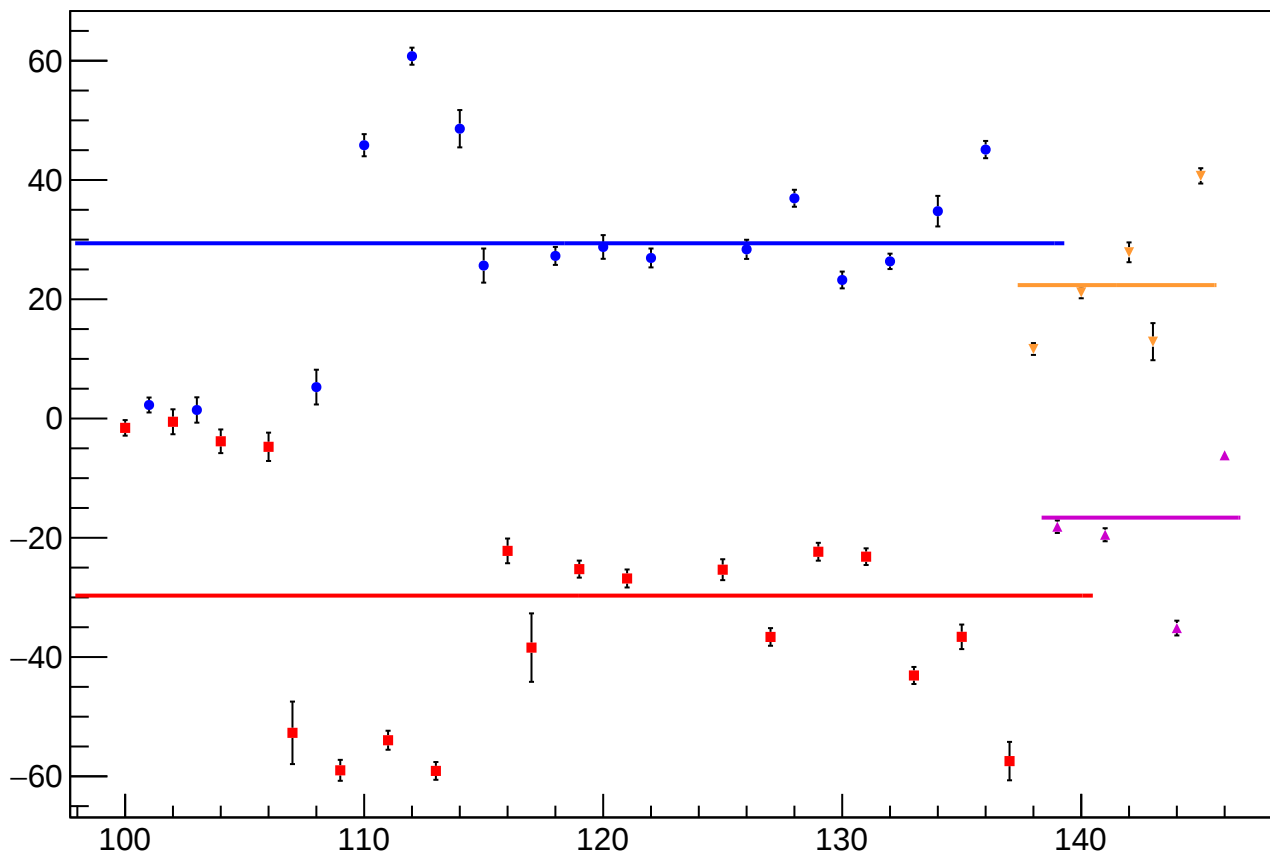
Left In: -0.462 ± 0.360 $\chi^2/\text{NDF}: 7.7/3$

3.497 ± 0.198 $\chi^2/\text{NDF}: 510.9/20$

-0.036 ± 0.136 $\chi^2/\text{NDF}: 1564.5/43$

-3.242 ± 0.188 $\chi^2/\text{NDF}: 443.4/22$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 $\pm$ 0.419 χ^2/NDF : 1488.6/15

Left Out: 22.373 $\pm$ 0.568 χ^2/NDF : 341.2/4

Right Out: -29.695 $\pm$ 0.401 χ^2/NDF : 2133.3/18

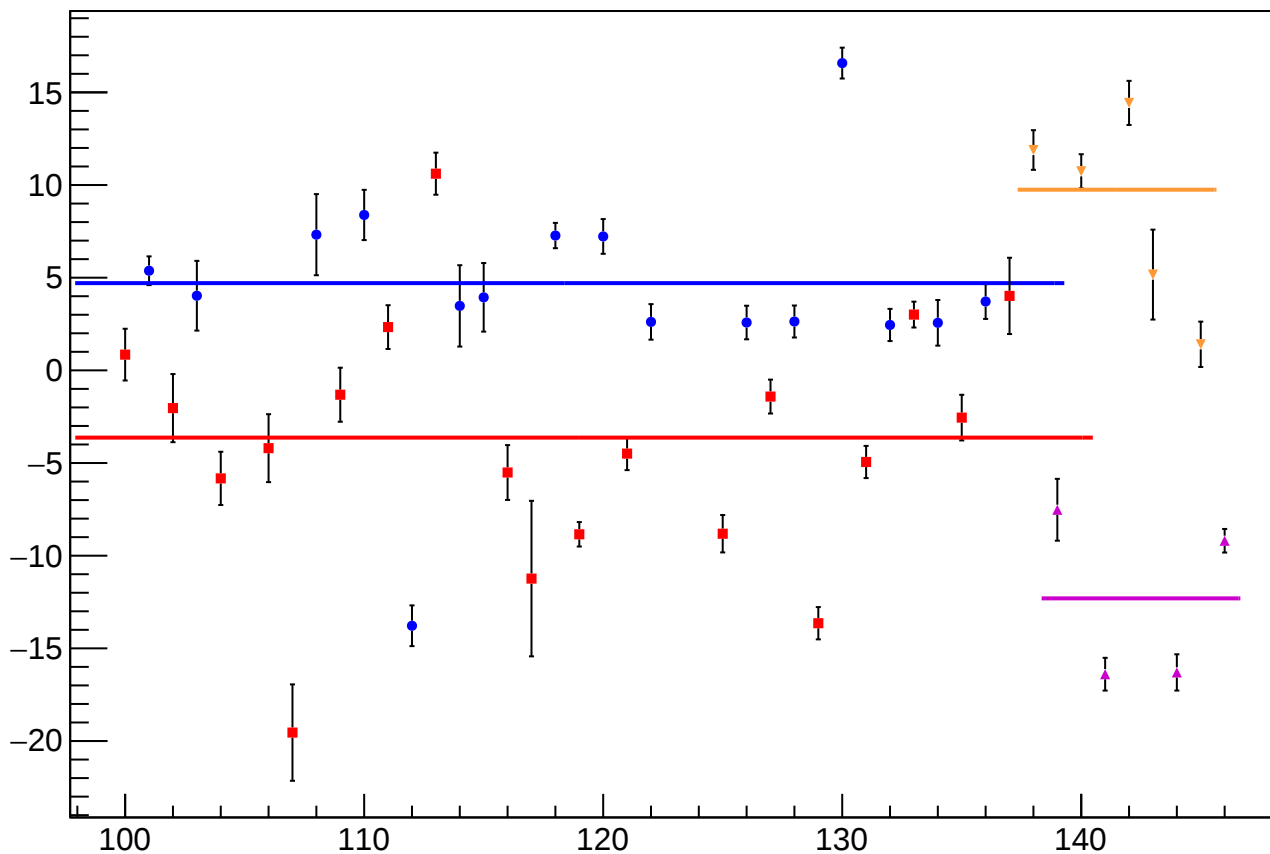
Left In: -16.621 $\pm$ 0.507 χ^2/NDF : 397.0/3

26.914 $\pm$ 0.337 χ^2/NDF : 1928.5/20

-0.662 $\pm$ 0.230 χ^2/NDF : 17365.1/43

-24.656 $\pm$ 0.315 χ^2/NDF : 2939.3/22

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.748 ± 0.527 $\chi^2/\text{NDF}: 70.7/4$

Right Out: -3.629 ± 0.254 $\chi^2/\text{NDF}: 576.7/18$

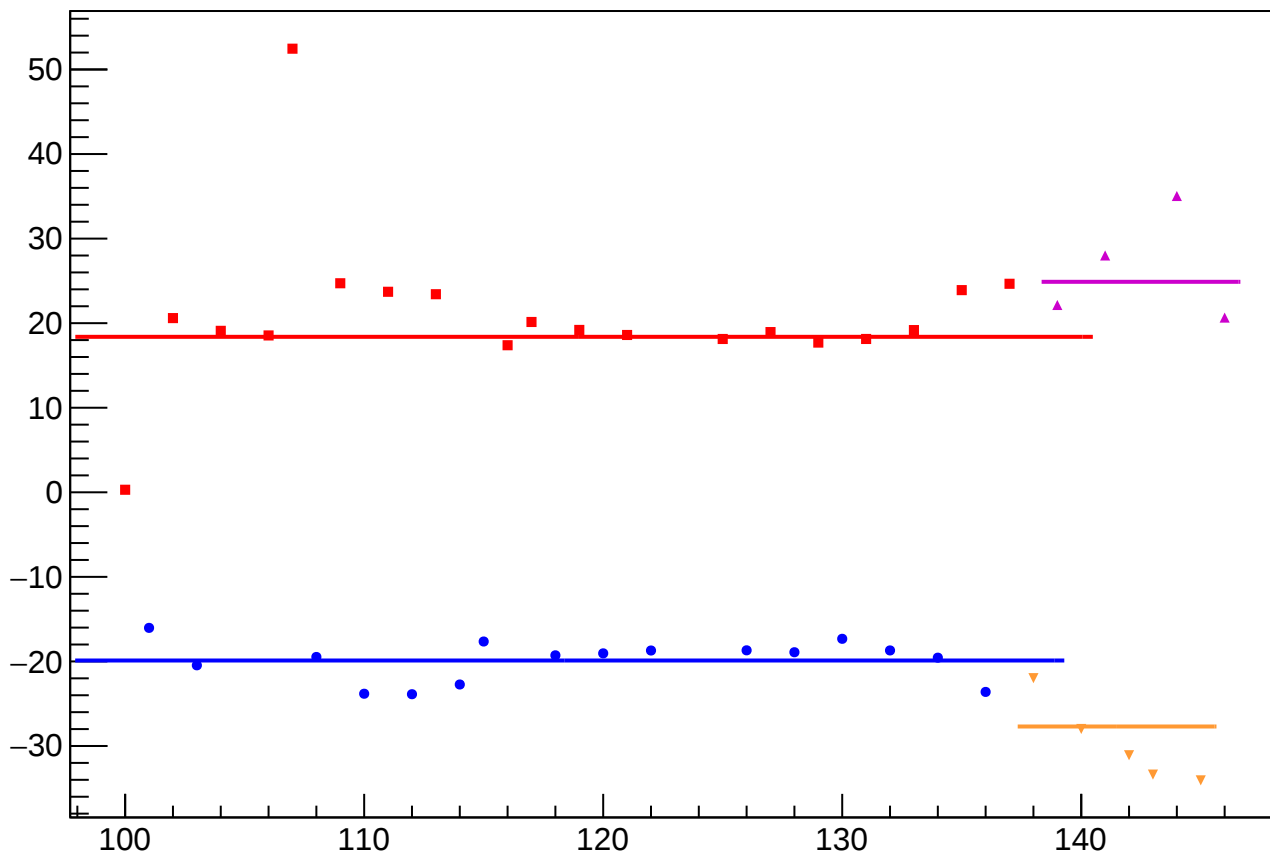
Left In: -12.304 ± 0.440 $\chi^2/\text{NDF}: 70.2/3$

5.655 ± 0.229 $\chi^2/\text{NDF}: 690.1/20$

-0.295 ± 0.158 $\chi^2/\text{NDF}: 2930.1/43$

-5.789 ± 0.220 $\chi^2/\text{NDF}: 938.3/22$

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15

Left Out: -27.695 ± 0.023 χ^2/NDF : 41779.3/4

Right Out: 18.386 ± 0.015 χ^2/NDF : 301044.3/18

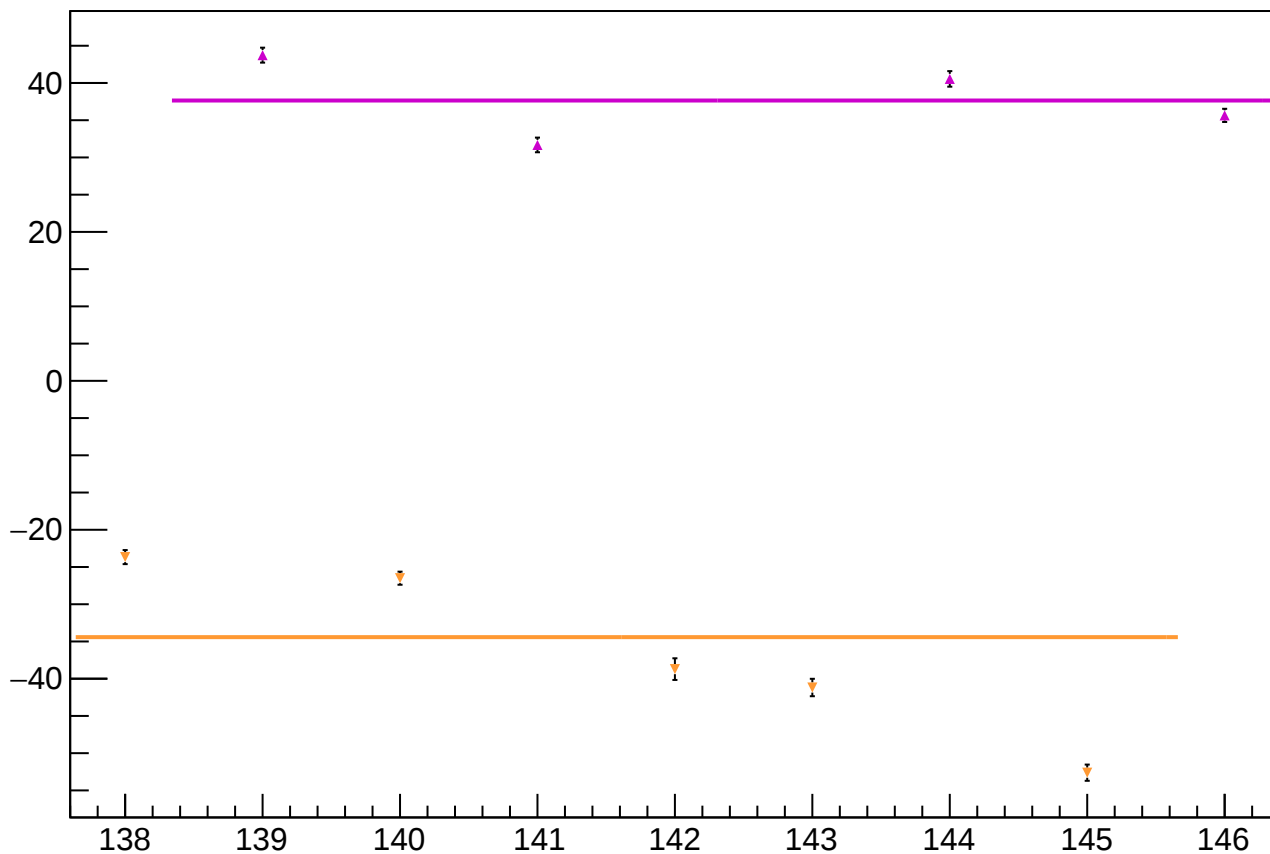
Left In: 24.891 ± 0.021 χ^2/NDF : 57953.1/3

-22.332 ± 0.013 χ^2/NDF : 145753.9/20

0.700 ± 0.009 χ^2/NDF : 6446688.5/43

20.546 ± 0.012 χ^2/NDF : 423819.7/22

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.419+/-0.473 χ^2/NDF : 532.2/4

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

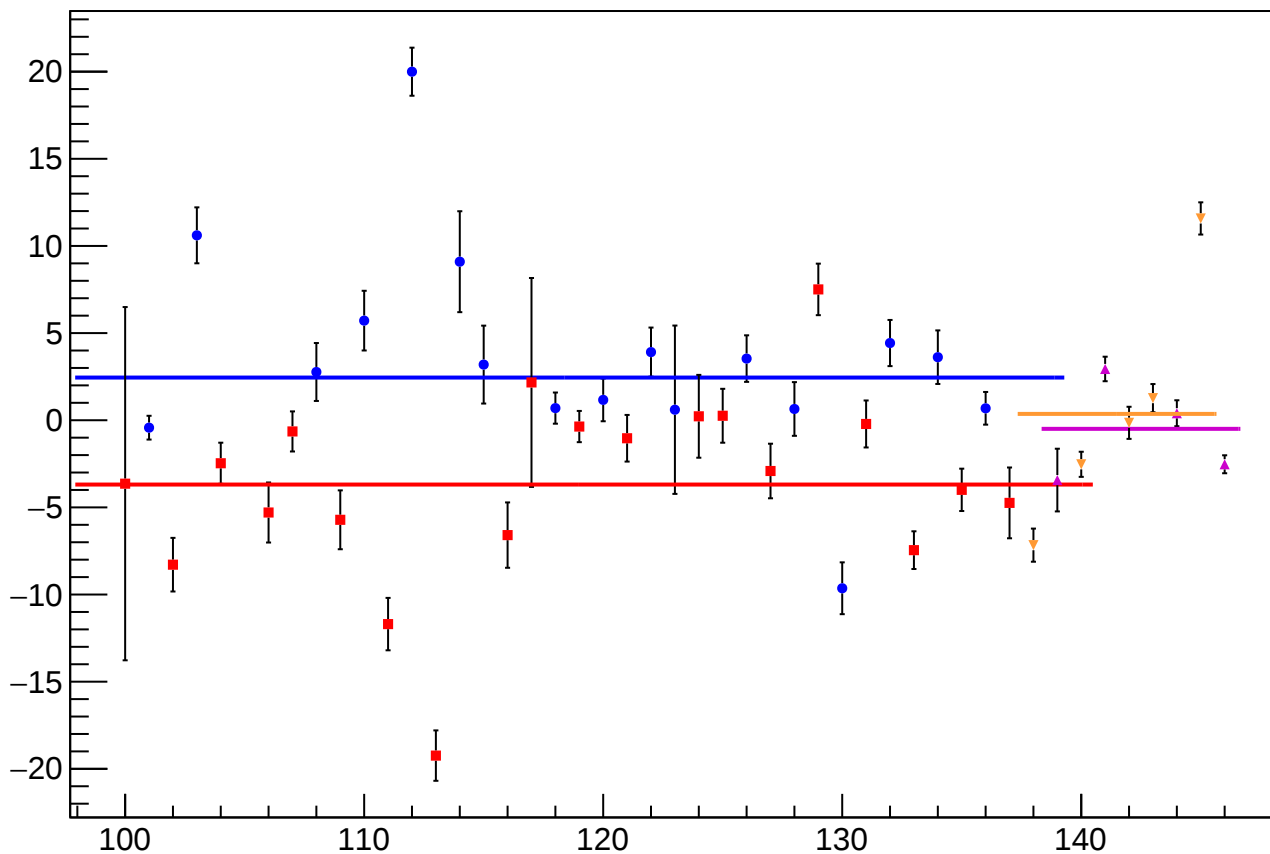
Left In: 37.645+/-0.487 χ^2/NDF : 86.3/3

-34.419+/-0.473 χ^2/NDF : 532.2/4

0.576+/-0.339 χ^2/NDF : 11876.4/8

37.645+/-0.487 χ^2/NDF : 86.3/3

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 0.364 ± 0.380 χ^2/NDF : 227.7/4

Right Out: -3.690 ± 0.326 χ^2/NDF : 270.4/19

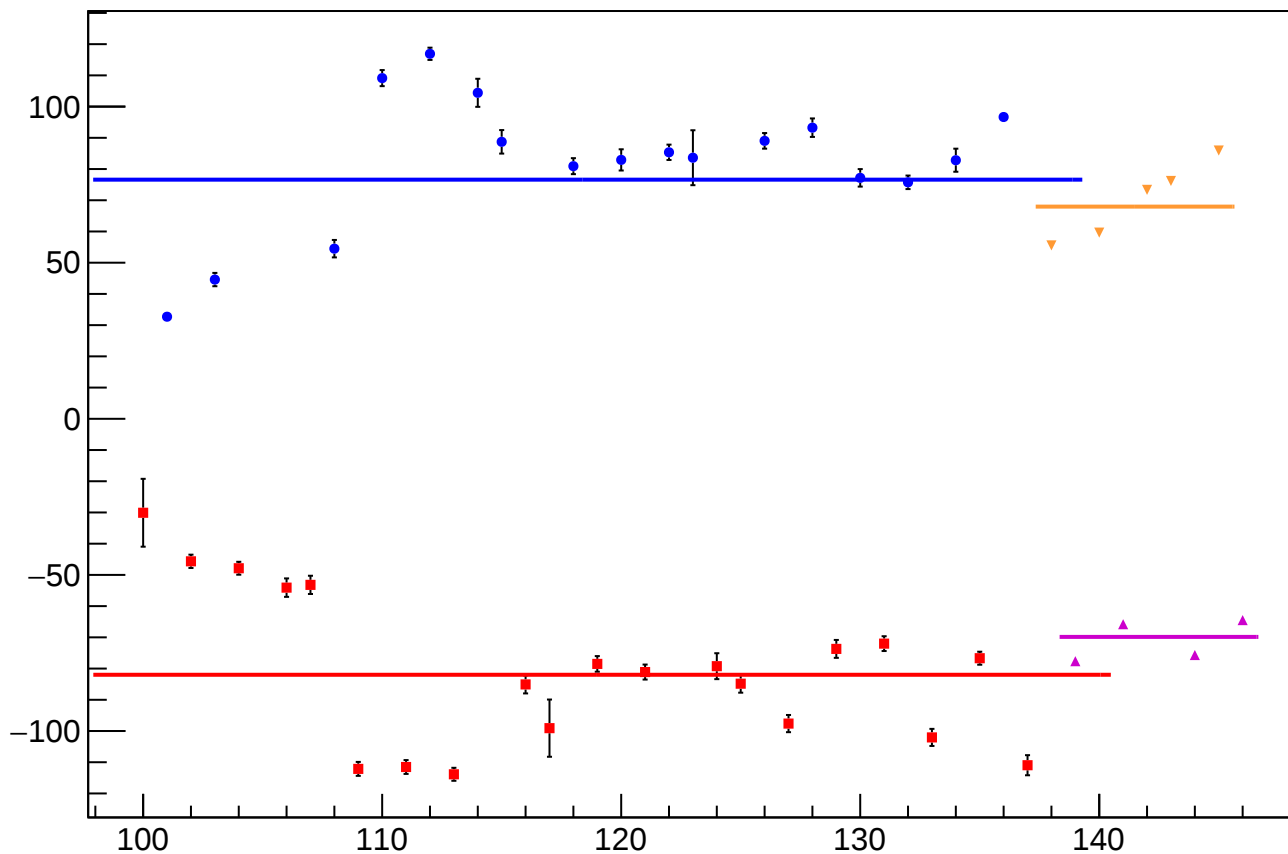
Left In: -0.494 ± 0.356 χ^2/NDF : 43.5/3

1.602 ± 0.242 χ^2/NDF : 540.8/21

-0.331 ± 0.171 χ^2/NDF : 1024.8/45

-2.232 ± 0.240 χ^2/NDF : 357.8/23

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 ± 0.576 χ^2/NDF : 2255.1/16

Left Out: 67.966 ± 0.505 χ^2/NDF : 531.4/4

Right Out: -81.987 ± 0.591 χ^2/NDF : 1574.2/19

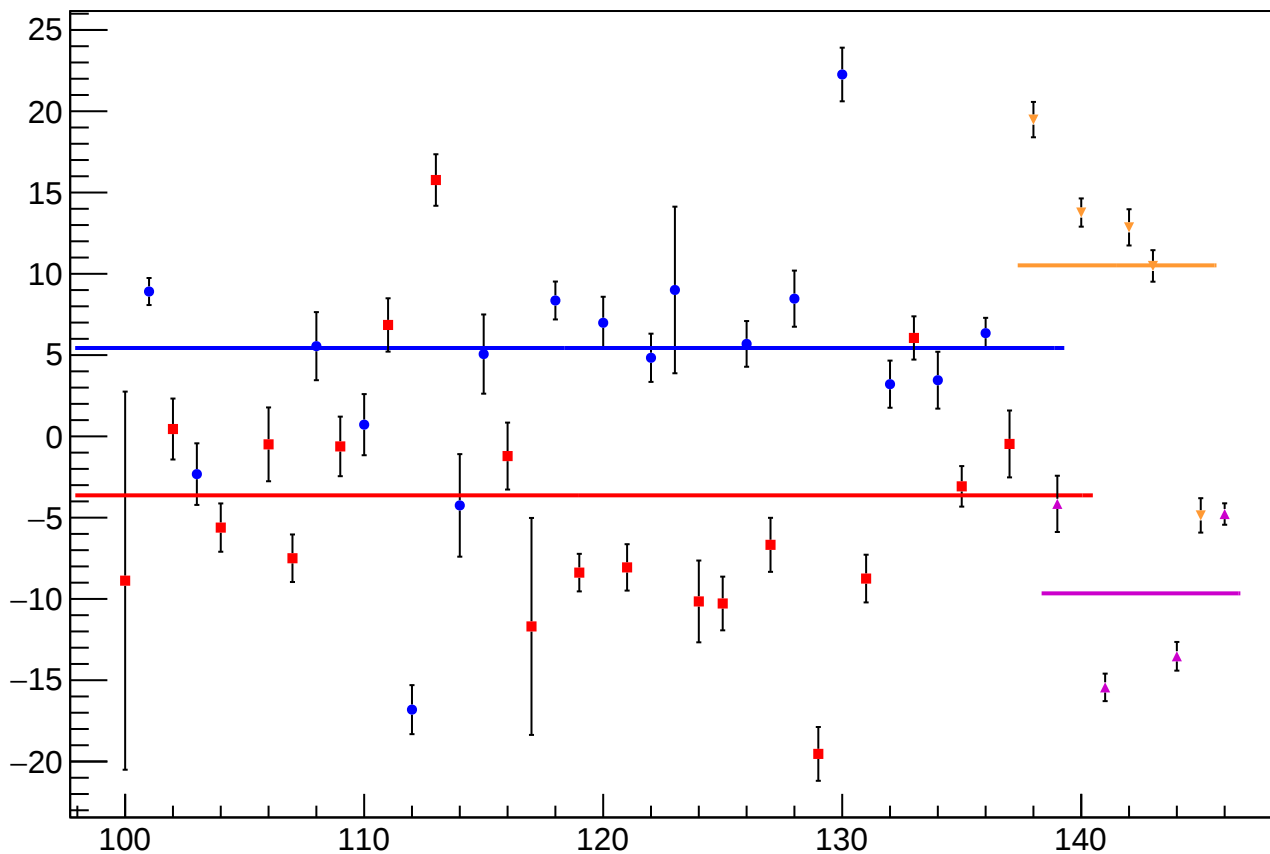
Left In: -69.856 ± 0.503 χ^2/NDF : 133.6/3

71.715 ± 0.380 χ^2/NDF : 2913.5/21

-0.983 ± 0.270 χ^2/NDF : 78842.2/45

-74.953 ± 0.383 χ^2/NDF : 1952.3/23

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 $\pm$ 0.360 χ^2/NDF : 387.2/16

Left Out: 10.519 $\pm$ 0.450 χ^2/NDF :297.4/4

Right Out: -3.628 $\pm$ 0.374 χ^2/NDF : 424.8/19

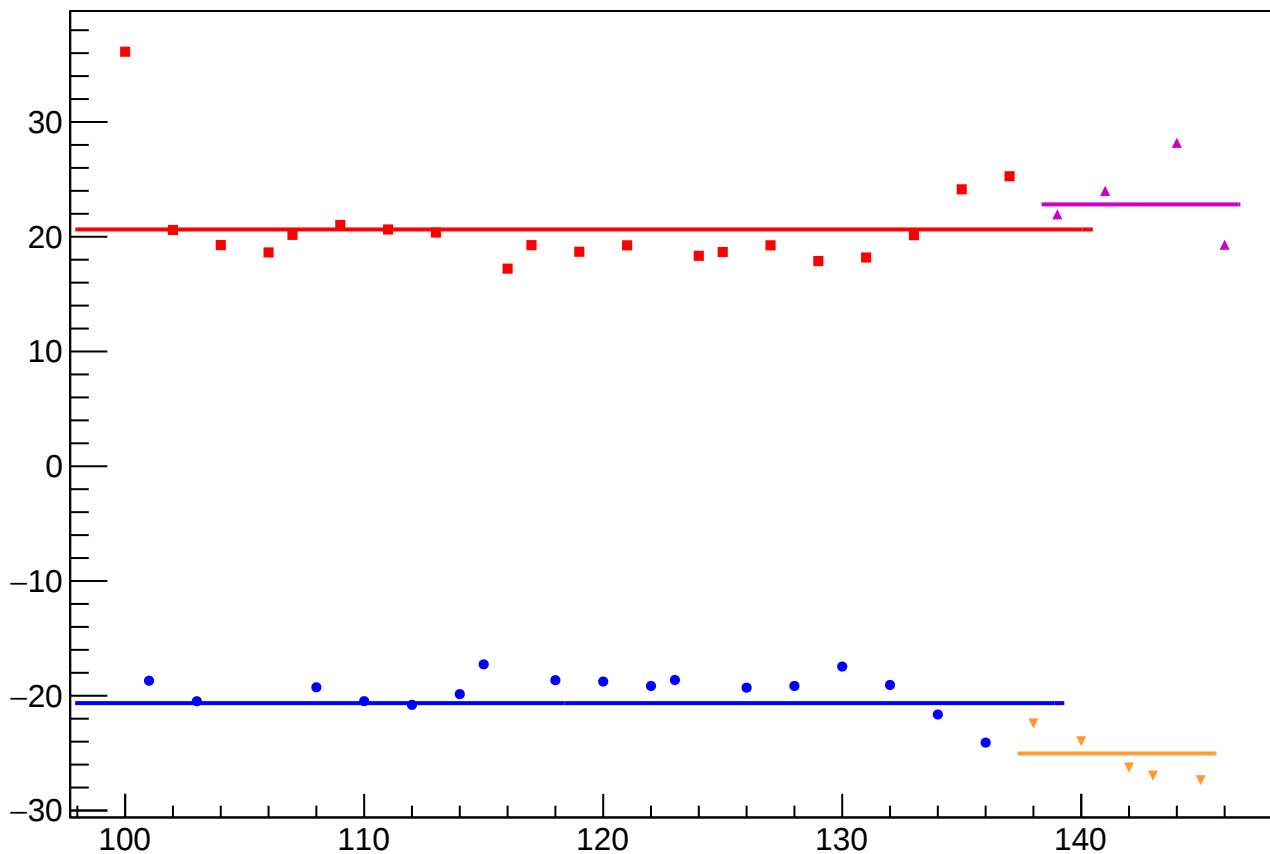
Left In: -9.657 $\pm$ 0.434 χ^2/NDF :130.8/3

7.420 $\pm$ 0.281 χ^2/NDF : 762.3/21

0.659 $\pm$ 0.200 χ^2/NDF : 2591.9/45

-6.202 $\pm$ 0.283 χ^2/NDF : 666.3/23

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -25.030 ± 0.021 χ^2/NDF : 9445.7/4

Right Out: 20.635 ± 0.019 χ^2/NDF : 13794.0/19

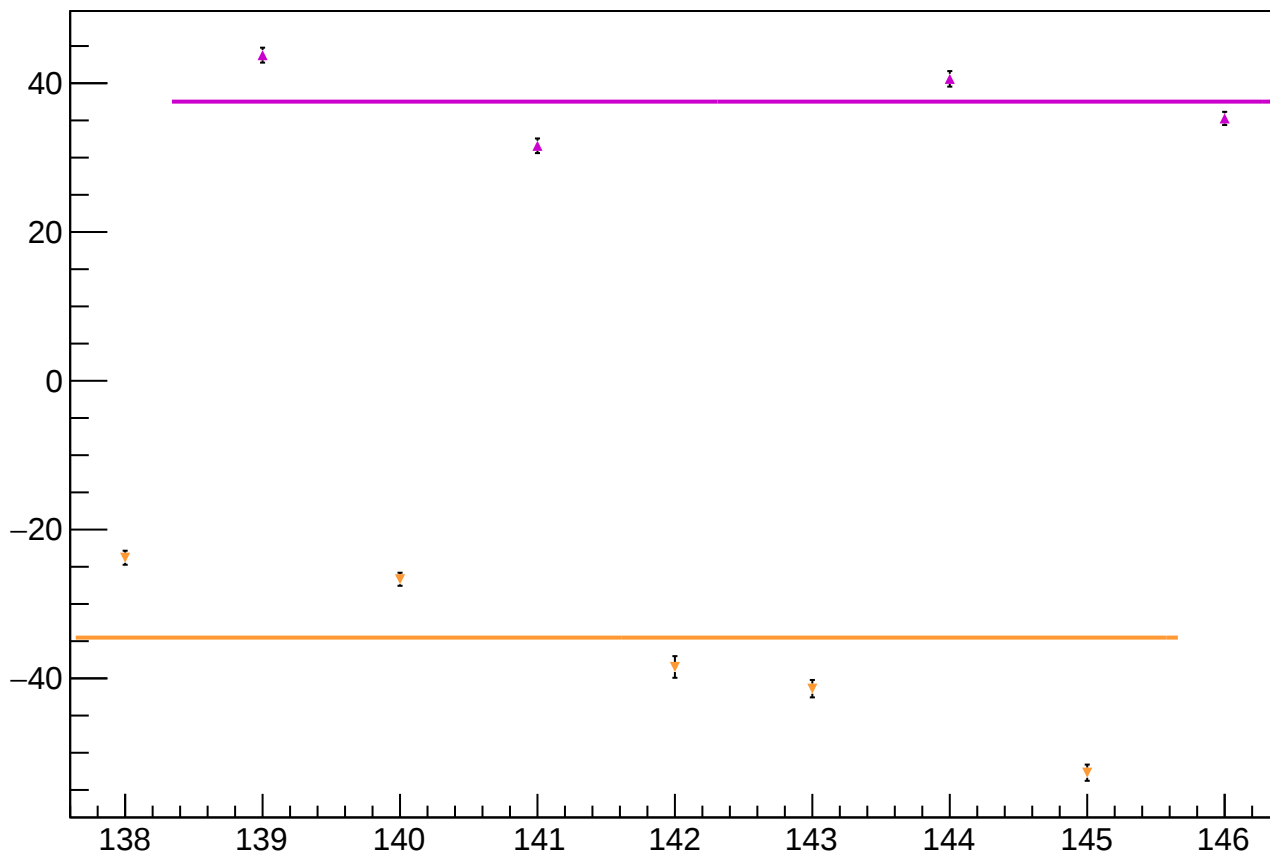
Left In: 22.819 ± 0.021 χ^2/NDF : 21451.9/3

-22.698 ± 0.014 χ^2/NDF : 46012.9/21

-0.673 ± 0.010 χ^2/NDF : 5004646.7/45

21.654 ± 0.014 χ^2/NDF : 41140.4/23

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.520+/-0.474 χ^2/NDF : 528.1/4

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

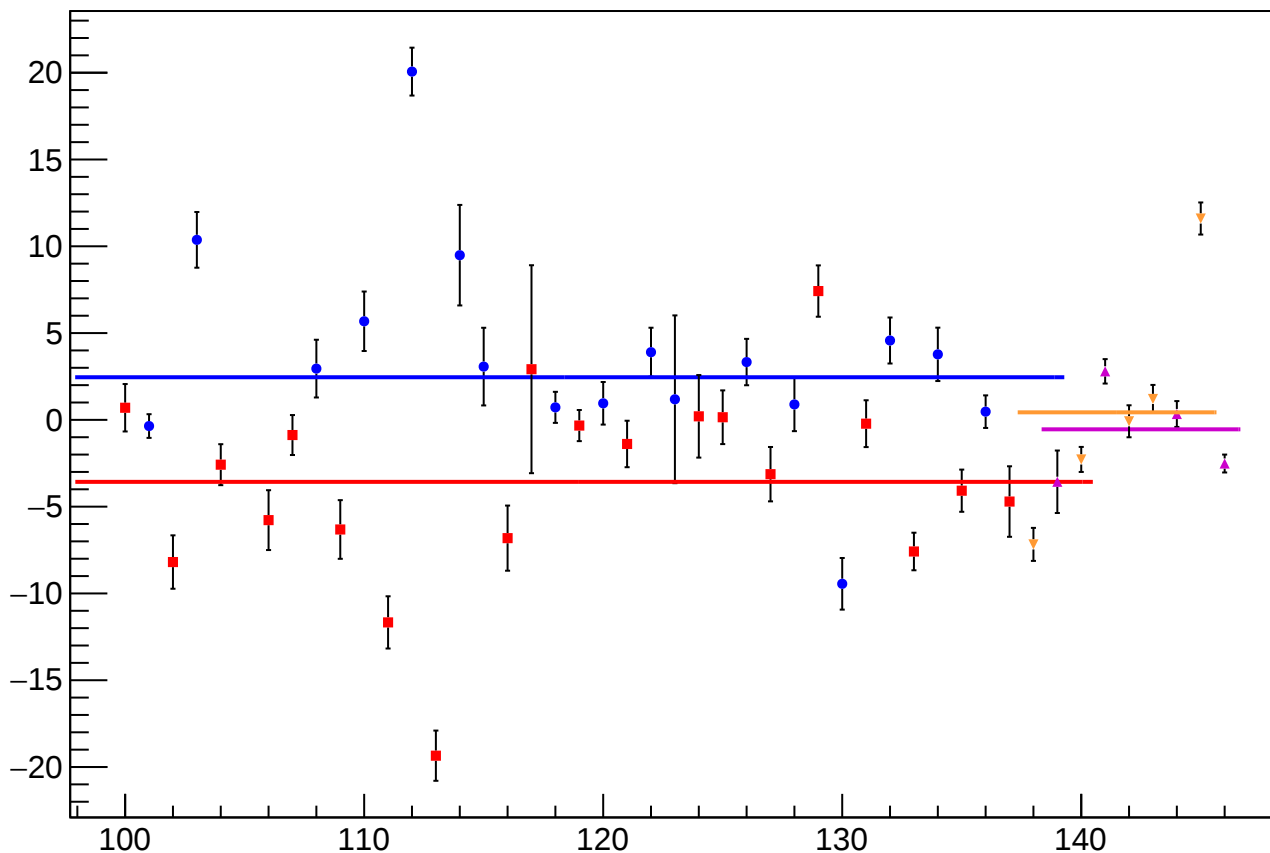
Left In: 37.527+/-0.487 χ^2/NDF : 90.0/3

-34.520+/-0.474 χ^2/NDF : 528.1/4

0.464+/-0.340 χ^2/NDF : 11854.7/8

37.527+/-0.487 χ^2/NDF : 90.0/3

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 $\chi^2/\text{NDF}: 293.5/16$

Left Out: 0.434 ± 0.381 $\chi^2/\text{NDF}: 225.2/4$

Right Out: -3.571 ± 0.317 $\chi^2/\text{NDF}: 281.0/19$

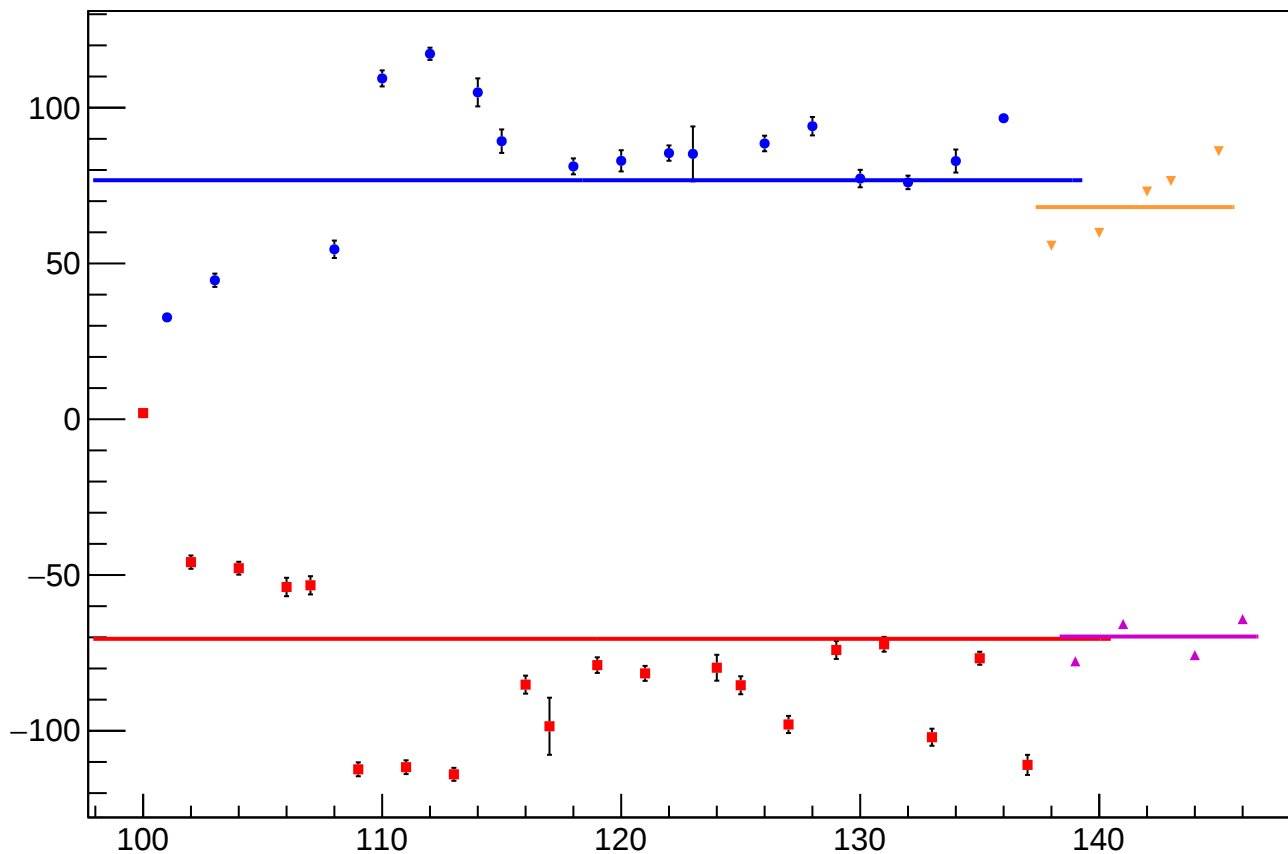
Left In: -0.545 ± 0.356 $\chi^2/\text{NDF}: 41.4/3$

1.635 ± 0.242 $\chi^2/\text{NDF}: 535.4/21$

-0.344 ± 0.169 $\chi^2/\text{NDF}: 1028.2/45$

-2.232 ± 0.237 $\chi^2/\text{NDF}: 362.6/23$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2/NDF : 2266.6/16

Left Out: 68.090 $\pm$ 0.505 χ^2/NDF : 528.4/4

Right Out: -70.477 $\pm$ 0.549 χ^2/NDF : 4400.1/19

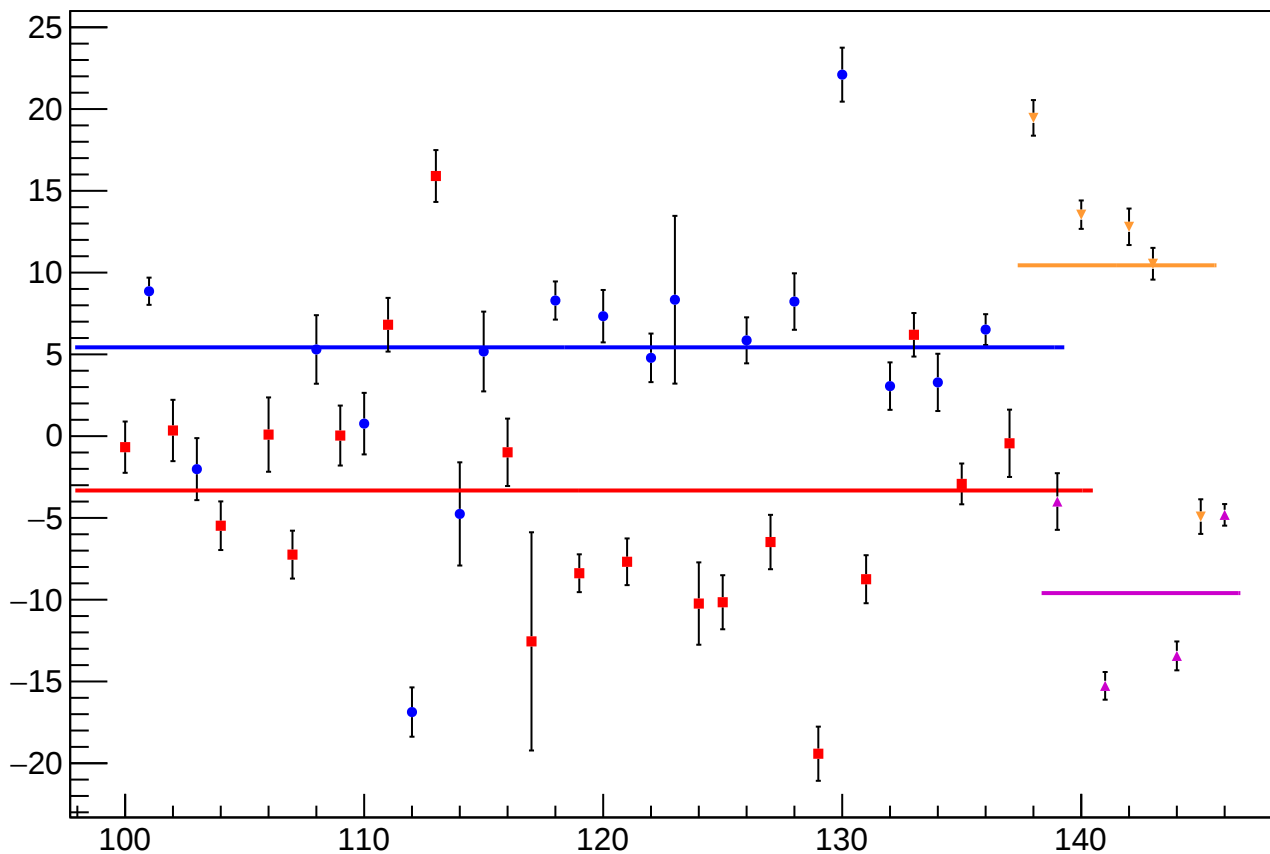
Left In: -69.744 $\pm$ 0.503 χ^2/NDF : 140.0/3

71.836 $\pm$ 0.380 χ^2/NDF : 2921.7/21

-0.810 $\pm$ 0.265 χ^2/NDF : 78903.6/45

-70.079 $\pm$ 0.371 χ^2/NDF : 4541.0/23

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 $\pm$ 0.361 χ^2/NDF : 385.9/16

Left Out: 10.445 $\pm$ 0.451 χ^2/NDF : 296.1/4

Right Out: -3.323 $\pm$ 0.365 χ^2/NDF : 428.0/19

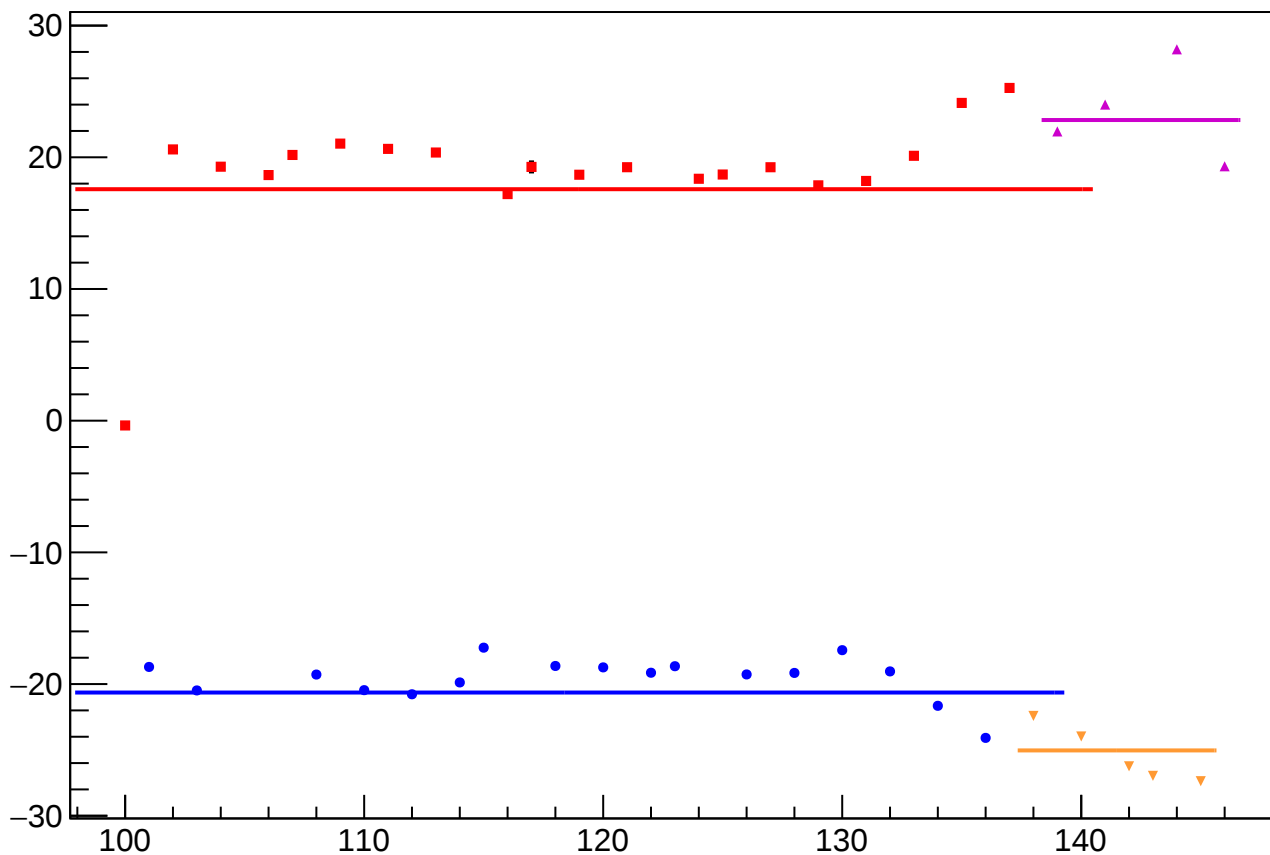
Left In: -9.596 $\pm$ 0.434 χ^2/NDF : 126.8/3

7.387 $\pm$ 0.282 χ^2/NDF : 757.5/21

0.679 $\pm$ 0.198 χ^2/NDF : 2560.7/45

-5.917 $\pm$ 0.279 χ^2/NDF : 677.2/23

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643±/-0.019 χ^2/NDF : 12468.6/16

Left Out: -25.039±/-0.021 χ^2/NDF : 9416.2/4

Right Out: 17.577±/-0.018 χ^2/NDF : 178343.3/19

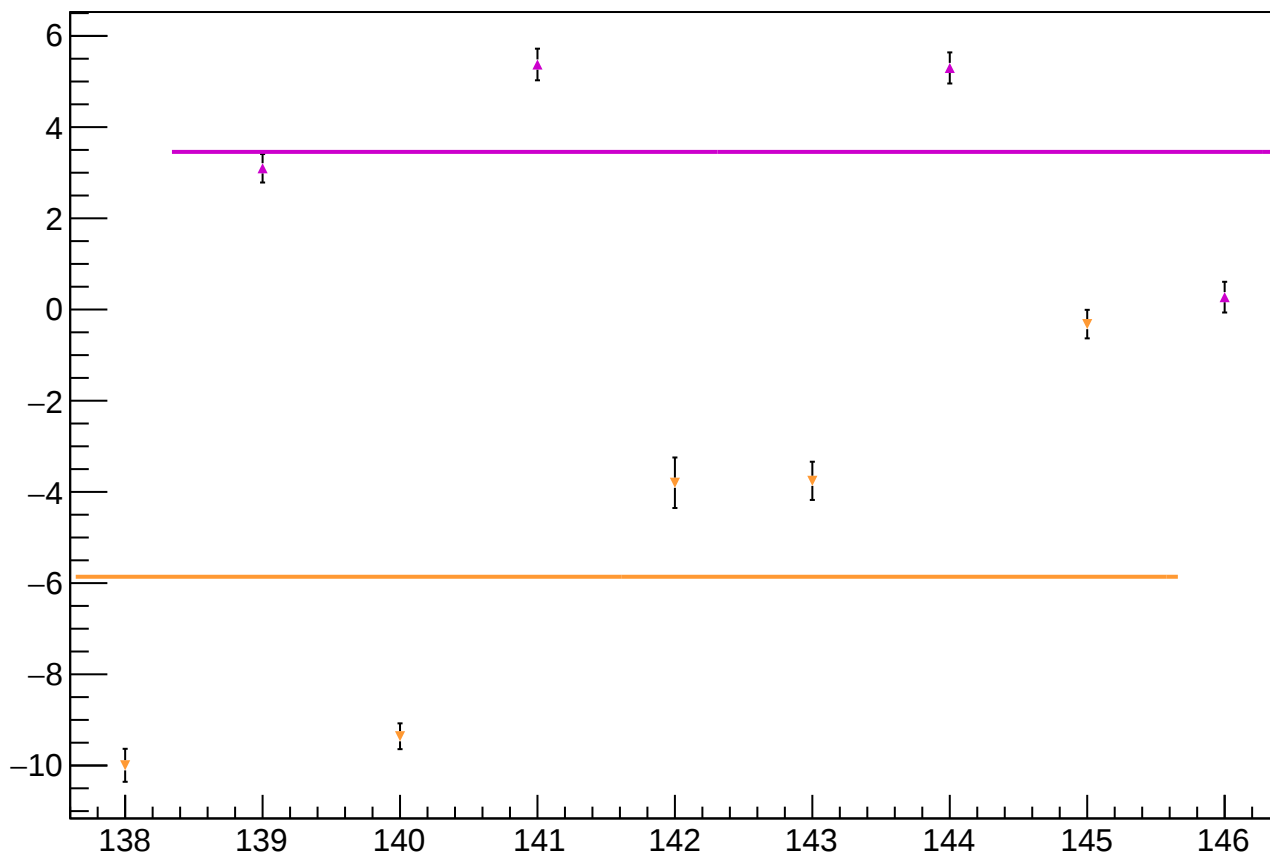
Left In: 22.830±/-0.021 χ^2/NDF : 21421.3/3

-22.703±/-0.014 χ^2/NDF : 46072.0/21

-0.687±/-0.010 χ^2/NDF : 4990275.2/45

19.831±/-0.014 χ^2/NDF : 236225.5/23

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -5.861+/-0.160 χ^2/NDF : 636.1/4

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

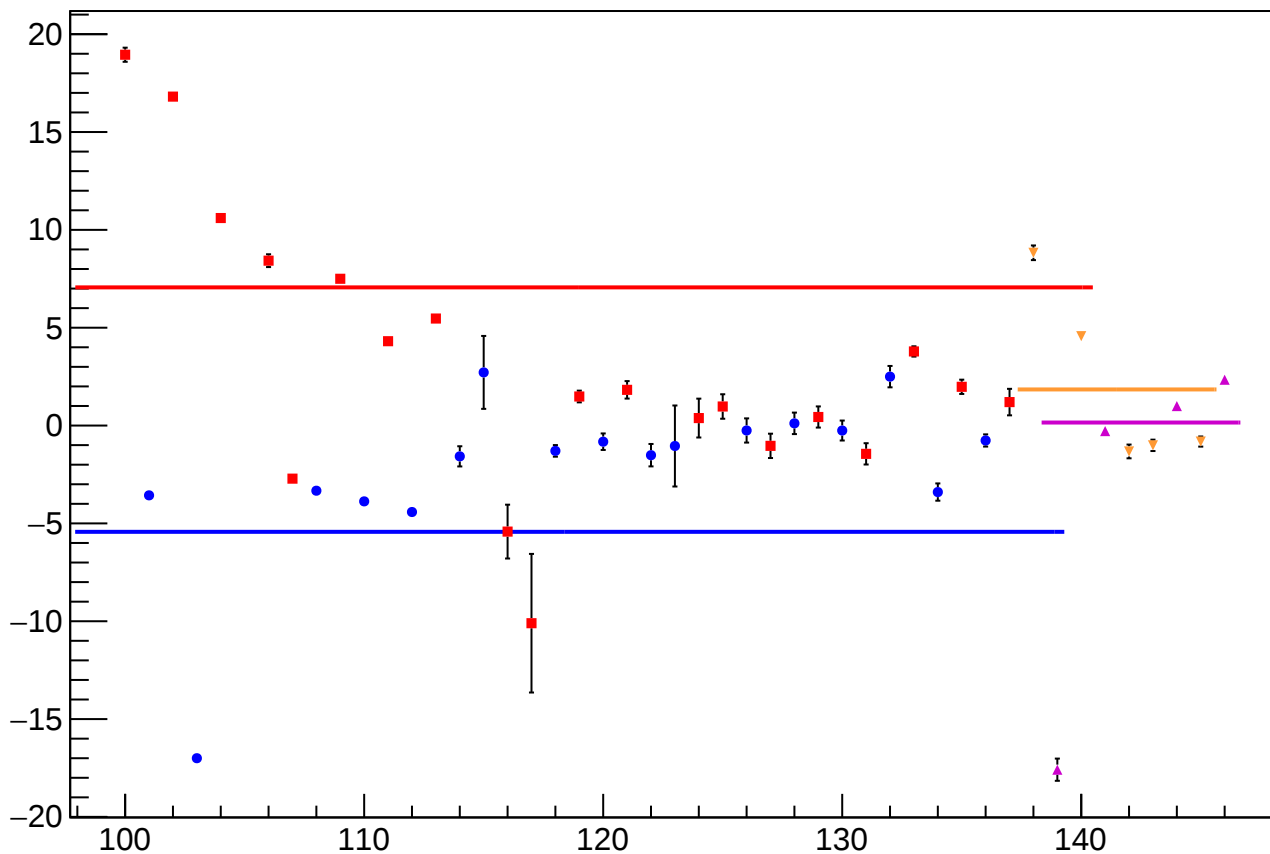
Left In: 3.457+/-0.167 χ^2/NDF : 150.5/3

-5.861+/-0.160 χ^2/NDF : 636.1/4

-1.407+/-0.115 χ^2/NDF : 2417.2/8

3.457+/-0.167 χ^2/NDF : 150.5/3

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 1.845 ± 0.129 χ^2/NDF : 765.4/4

Right Out: 7.061 ± 0.059 χ^2/NDF : 12330.1/19

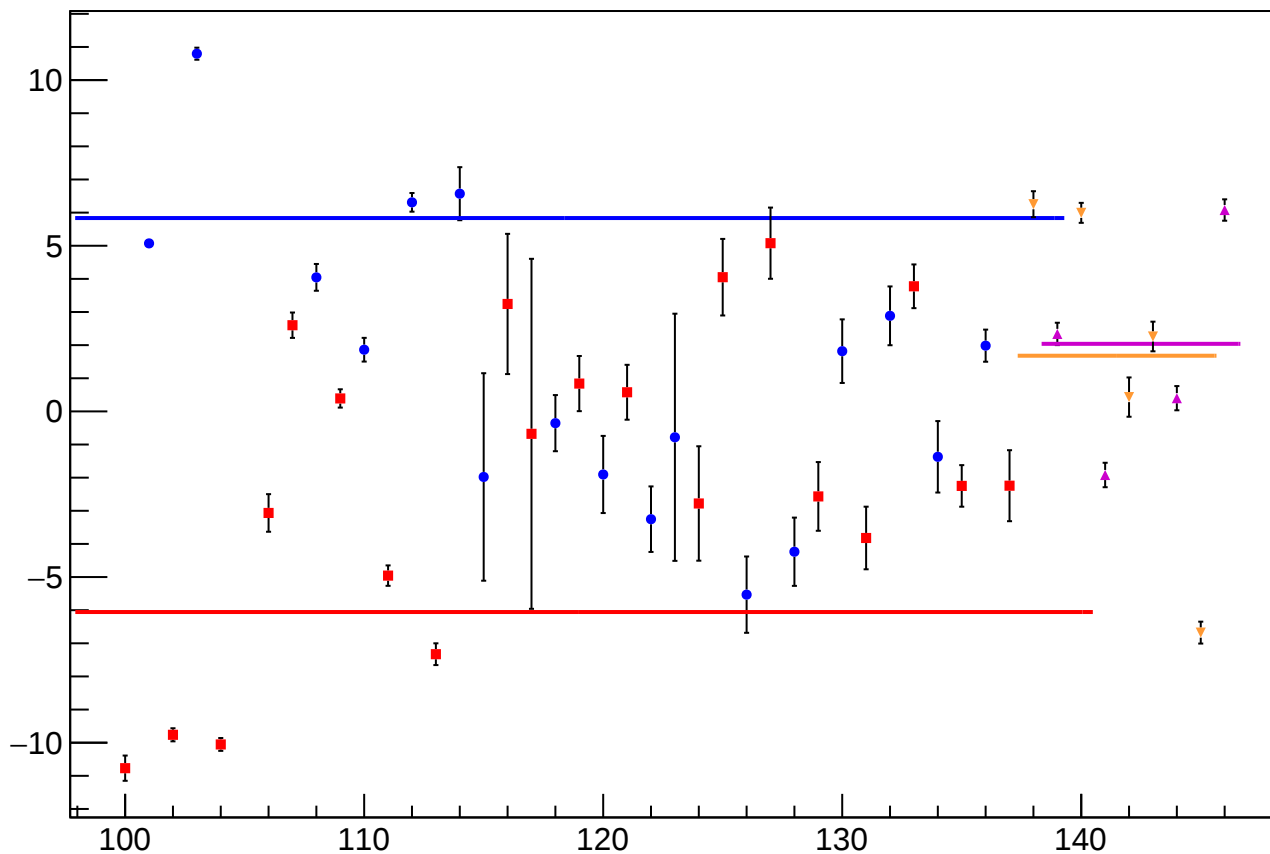
Left In: 0.154 ± 0.131 χ^2/NDF : 1097.4/3

-4.317 ± 0.050 χ^2/NDF : 12691.2/21

0.465 ± 0.037 χ^2/NDF : 47585.0/45

5.901 ± 0.054 χ^2/NDF : 15728.3/23

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 ± 0.090 χ^2/NDF : 1440.9/16

Left Out: 1.681 ± 0.170 χ^2/NDF : 986.0/4

Right Out: -6.056 ± 0.093 χ^2/NDF : 2669.9/19

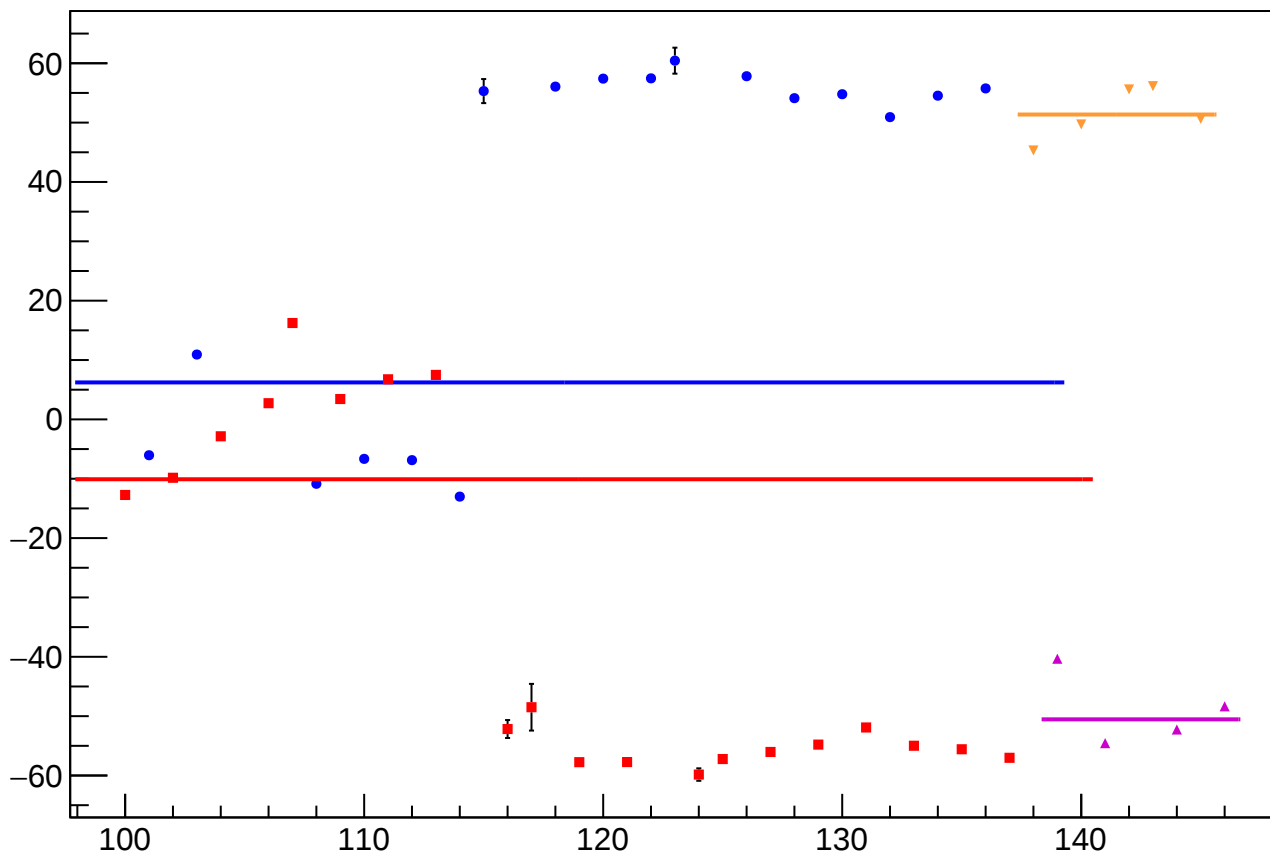
Left In: 2.039 ± 0.174 χ^2/NDF : 292.6/3

4.934 ± 0.079 χ^2/NDF : 2893.2/21

0.509 ± 0.057 χ^2/NDF : 13994.3/45

-4.240 ± 0.082 χ^2/NDF : 4650.5/23

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 $\pm$ 0.065 χ^2 /NDF: 120955.1/16

Left Out: 51.362 $\pm$ 0.152 χ^2 /NDF: 531.3/4

Right Out: -10.087 $\pm$ 0.070 χ^2 /NDF: 122144.7/19

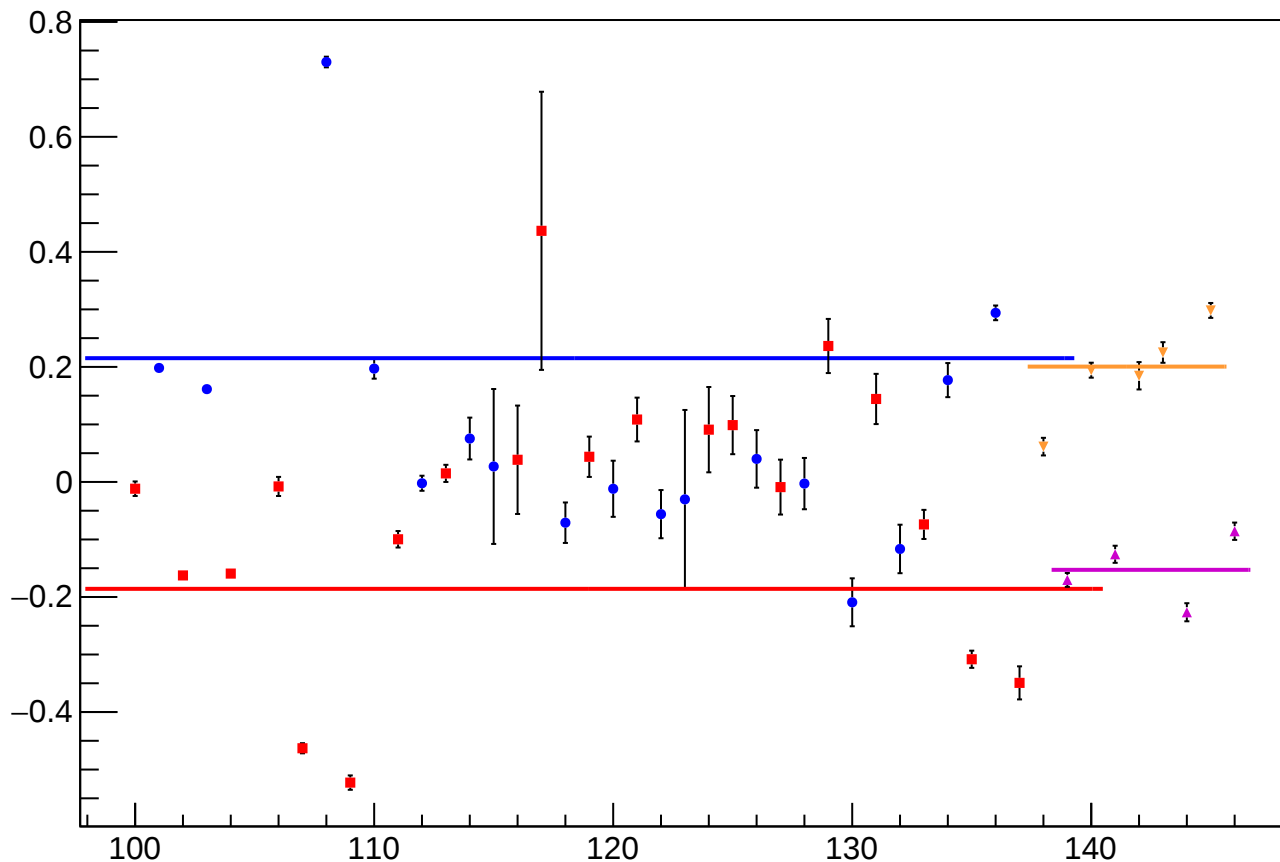
Left In: -50.537 $\pm$ 0.157 χ^2 /NDF: 633.4/3

13.149 $\pm$ 0.060 χ^2 /NDF: 195832.5/21

-0.838 $\pm$ 0.044 χ^2 /NDF: 492005.9/45

-16.785 $\pm$ 0.064 χ^2 /NDF: 178502.9/23

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.201 $\pm$ 0.007 χ^2 /NDF:141.8/4

Right Out: -0.186 $\pm$ 0.003 χ^2 /NDF: 2724.7/19

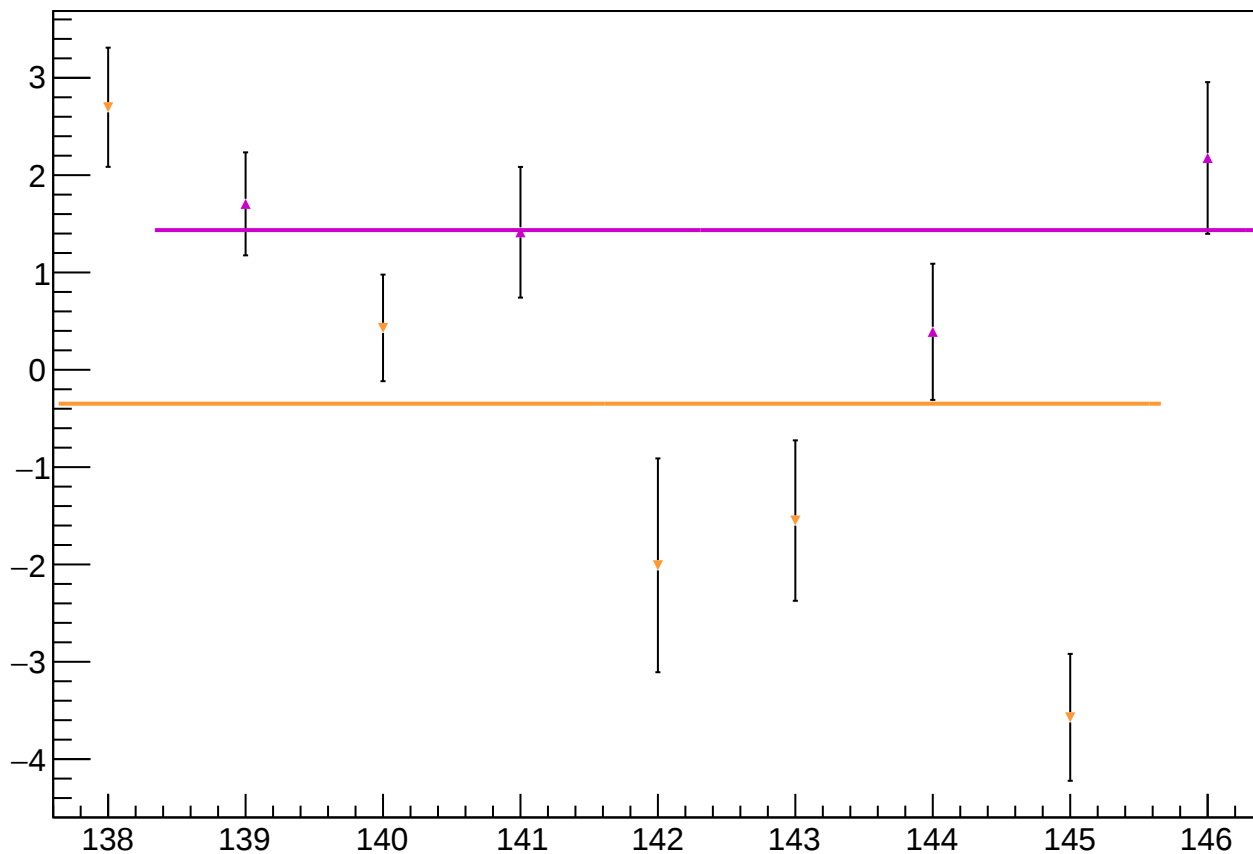
Left In: -0.153 $\pm$ 0.007 χ^2 /NDF:47.3/3

0.213 $\pm$ 0.003 χ^2 /NDF: 4071.6/21

0.011 $\pm$ 0.002 χ^2 /NDF: 18926.3/45

-0.182 $\pm$ 0.003 χ^2 /NDF: 2791.0/23

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.348 $\pm$ 0.306 χ^2 /NDF: 55.6/4

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

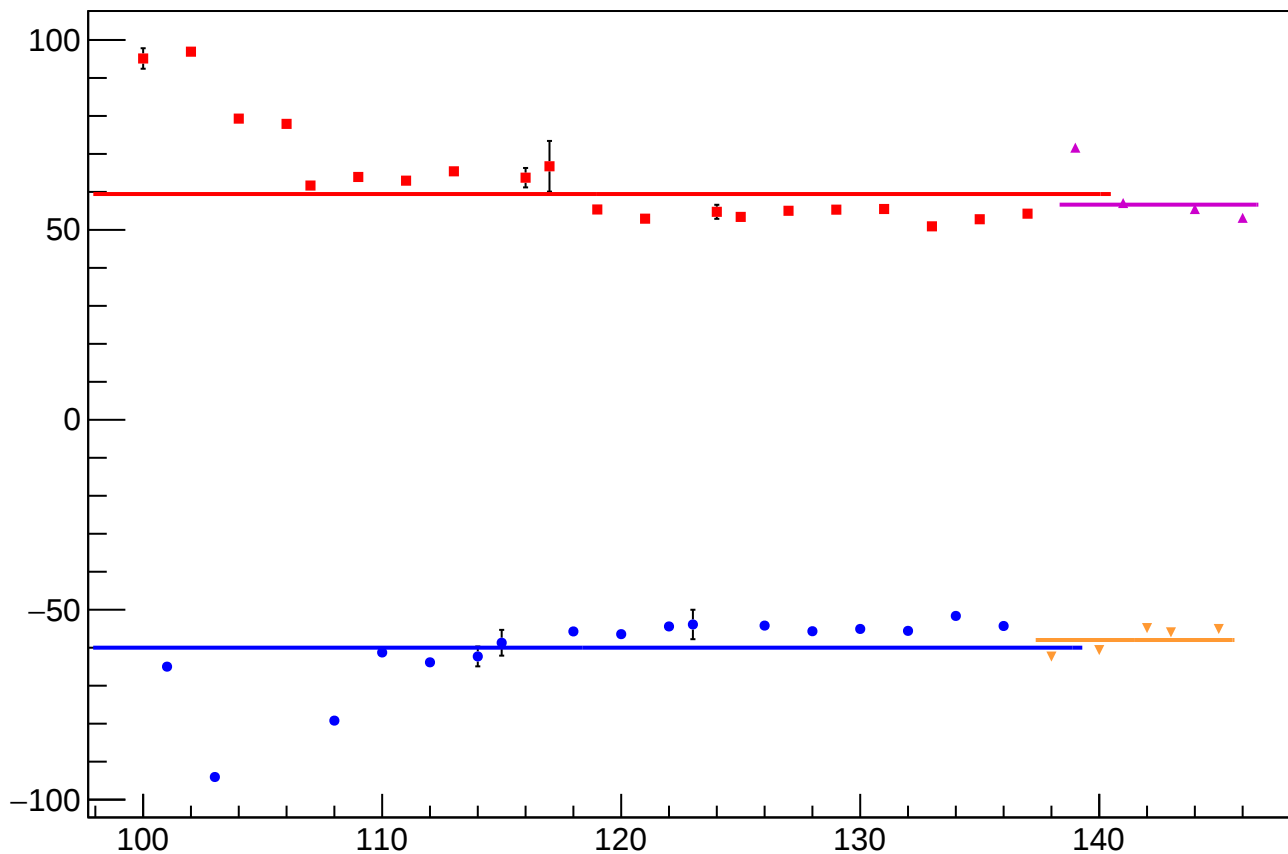
Left In: 1.435 $\pm$ 0.325 χ^2 /NDF: 3.4/3

-0.348 $\pm$ 0.306 χ^2 /NDF: 55.6/4

0.491 $\pm$ 0.223 χ^2 /NDF: 75.0/8

1.435 $\pm$ 0.325 χ^2 /NDF: 3.4/3

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -57.972 ± 0.254 χ^2/NDF : 136.5/4

Right Out: 59.442 ± 0.212 χ^2/NDF : 2919.1/19

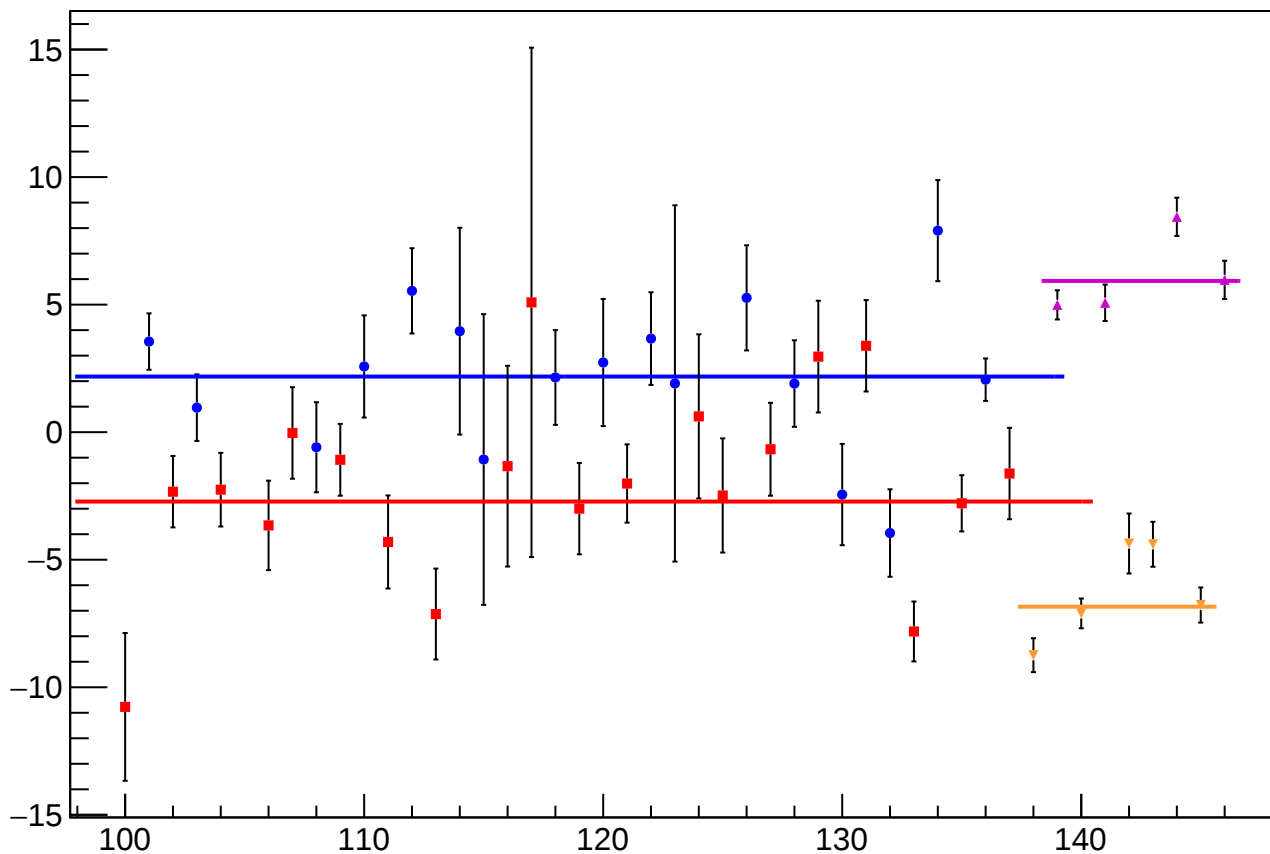
Left In: 56.644 ± 0.275 χ^2/NDF : 299.4/3

-59.106 ± 0.169 χ^2/NDF : 2144.8/21

-0.066 ± 0.119 χ^2/NDF : 249682.3/45

58.398 ± 0.168 χ^2/NDF : 3283.6/23

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -6.840 ± 0.327 $\chi^2/\text{NDF}: 20.6/4$

Right Out: -2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

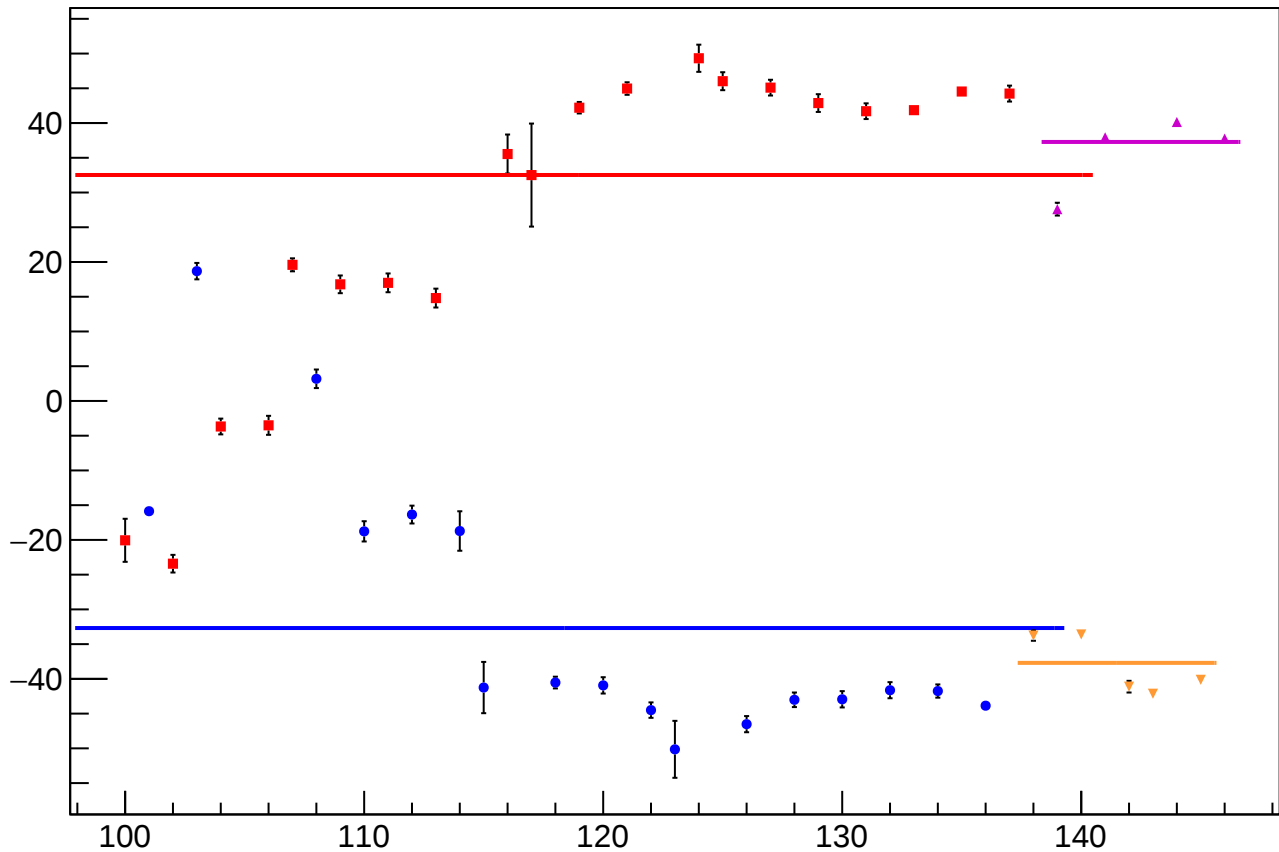
Left In: 5.930 ± 0.341 $\chi^2/\text{NDF}: 15.4/3$

-3.281 ± 0.255 $\chi^2/\text{NDF}: 359.1/21$

-0.579 ± 0.181 $\chi^2/\text{NDF}: 940.6/45$

2.153 ± 0.256 $\chi^2/\text{NDF}: 355.3/23$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 χ^2/NDF : 4646.9/16

Left Out: -37.697 ± 0.299 χ^2/NDF : 156.5/4

Right Out: 32.523 ± 0.244 χ^2/NDF : 6045.3/19

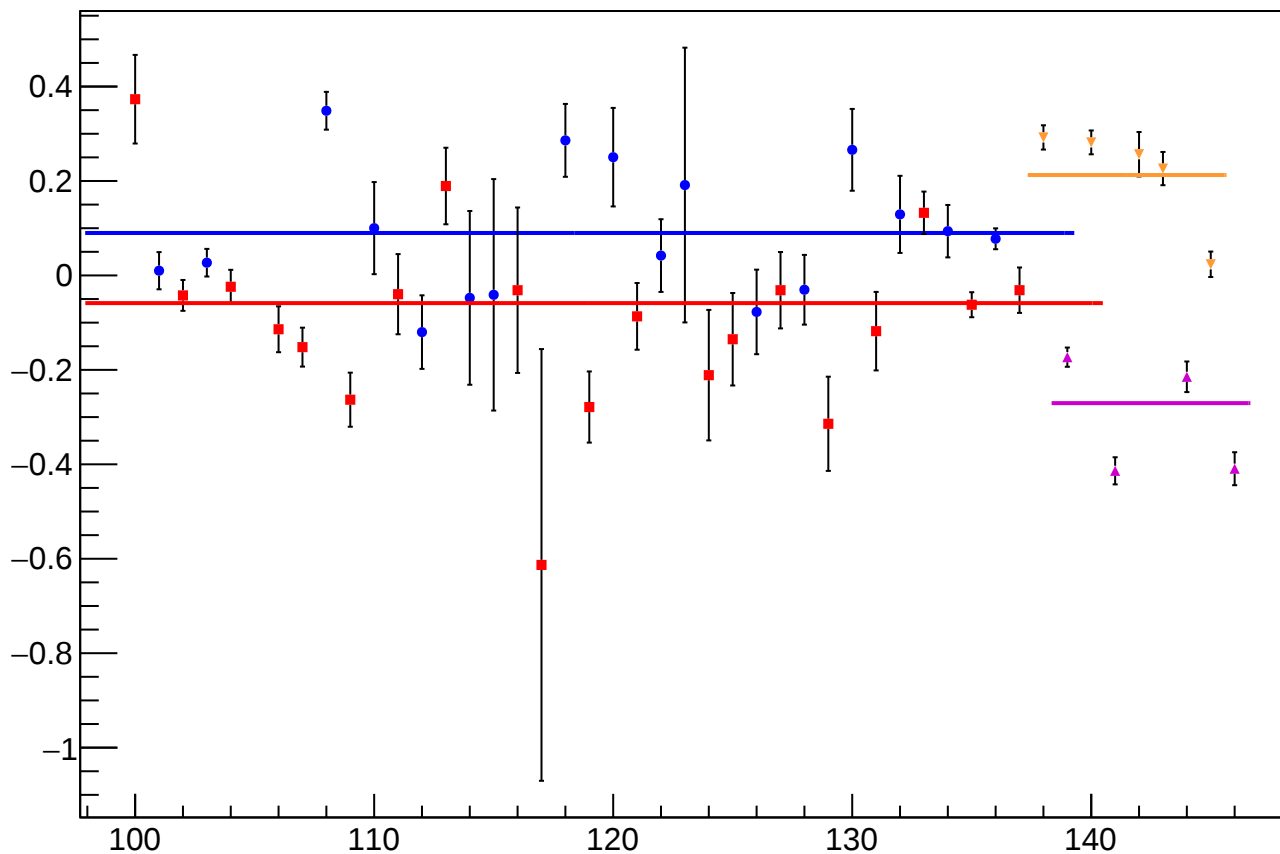
Left In: 37.279 ± 0.323 χ^2/NDF : 135.3/3

-34.803 ± 0.194 χ^2/NDF : 4965.9/21

-0.325 ± 0.137 χ^2/NDF : 74340.1/45

34.251 ± 0.195 χ^2/NDF : 6318.7/23

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.213 ± 0.013 χ^2/NDF : 67.3/4

Right Out: -0.059 ± 0.012 χ^2/NDF : 88.6/19

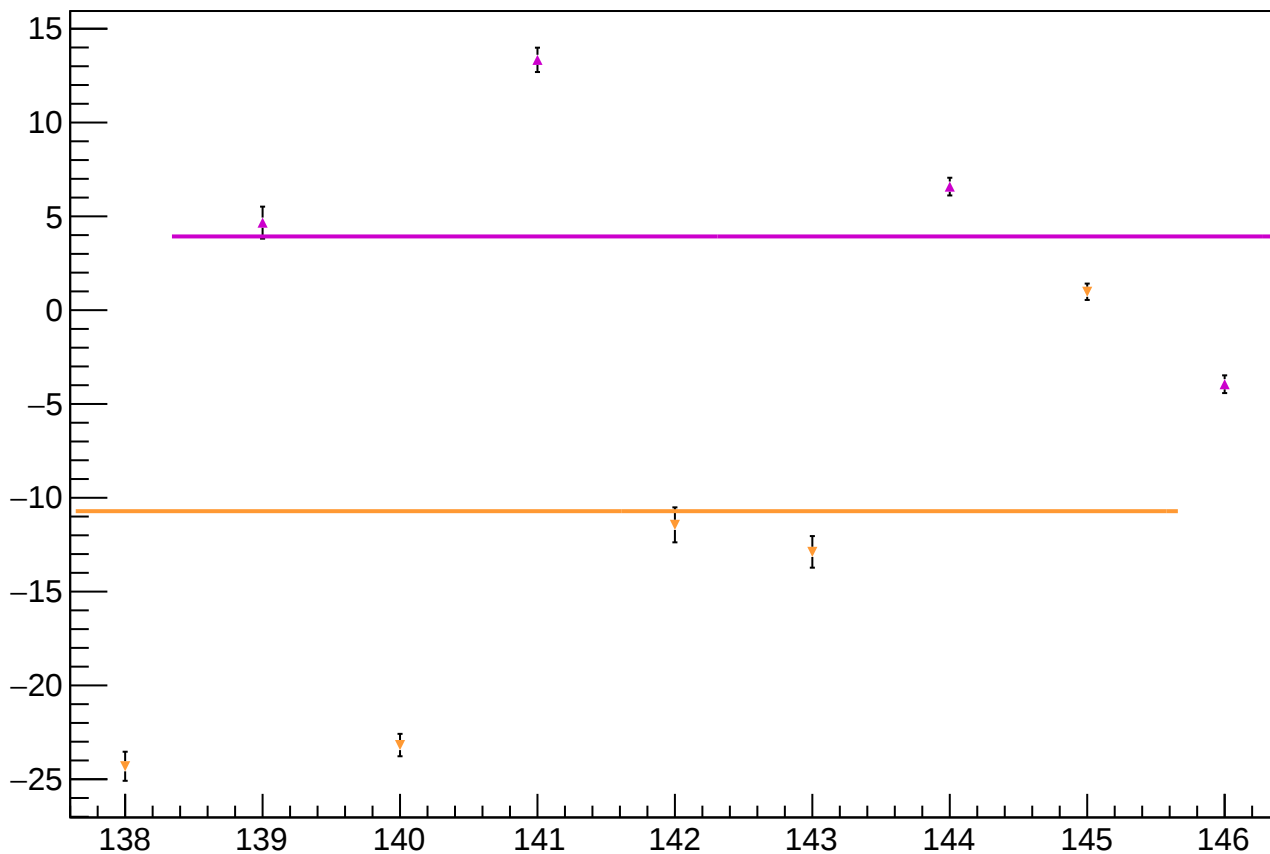
Left In: -0.270 ± 0.014 χ^2/NDF : 66.5/3

0.149 ± 0.009 χ^2/NDF : 190.8/21

-0.004 ± 0.006 χ^2/NDF : 1026.9/45

-0.153 ± 0.009 χ^2/NDF : 289.6/23

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.714+/-0.285 χ^2/NDF : 1471.2/4

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

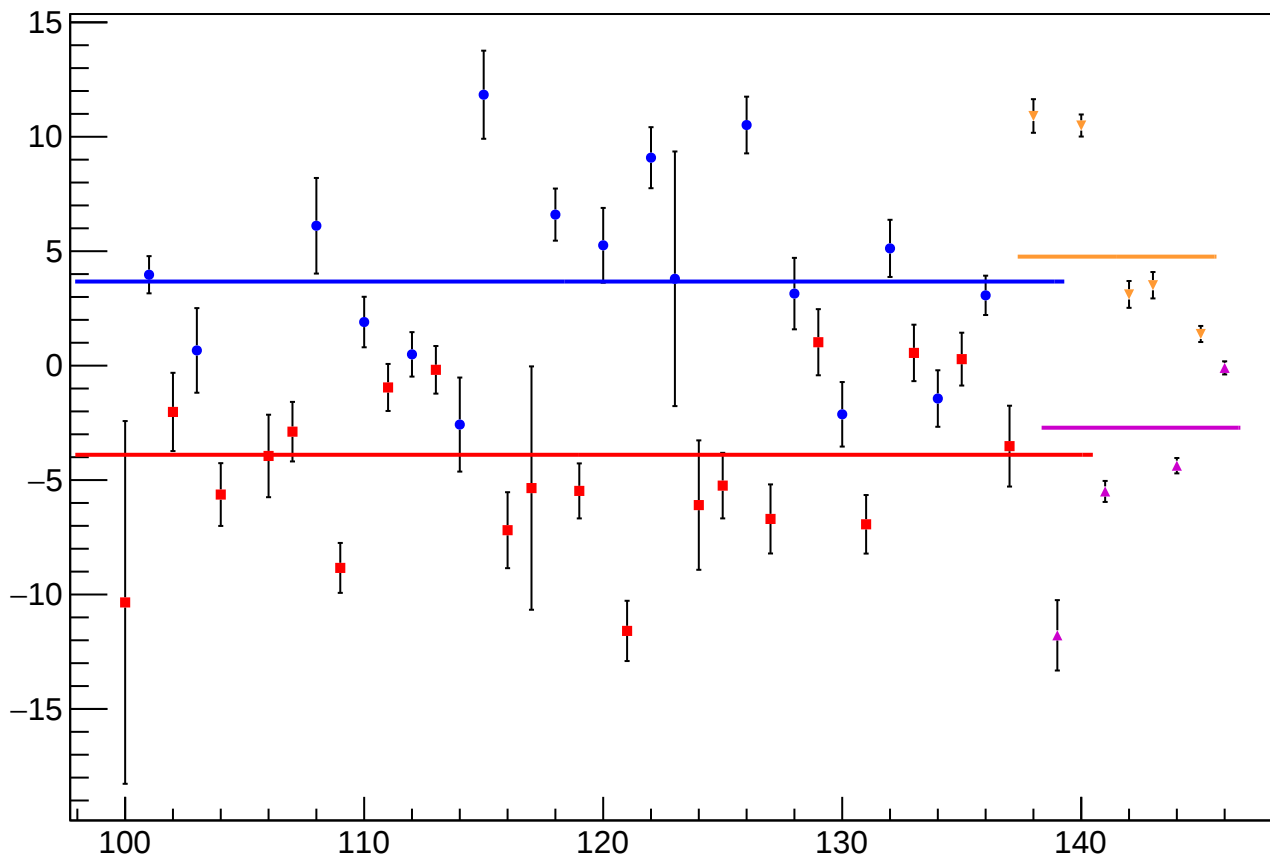
Left In: 3.929+/-0.280 χ^2/NDF : 520.3/3

-10.714+/-0.285 χ^2/NDF : 1471.2/4

-3.270+/-0.200 χ^2/NDF : 3331.9/8

3.929+/-0.280 χ^2/NDF : 520.3/3

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 4.763 ± 0.223 χ^2/NDF : 316.4/4

Right Out: -3.895 ± 0.316 χ^2/NDF : 133.8/19

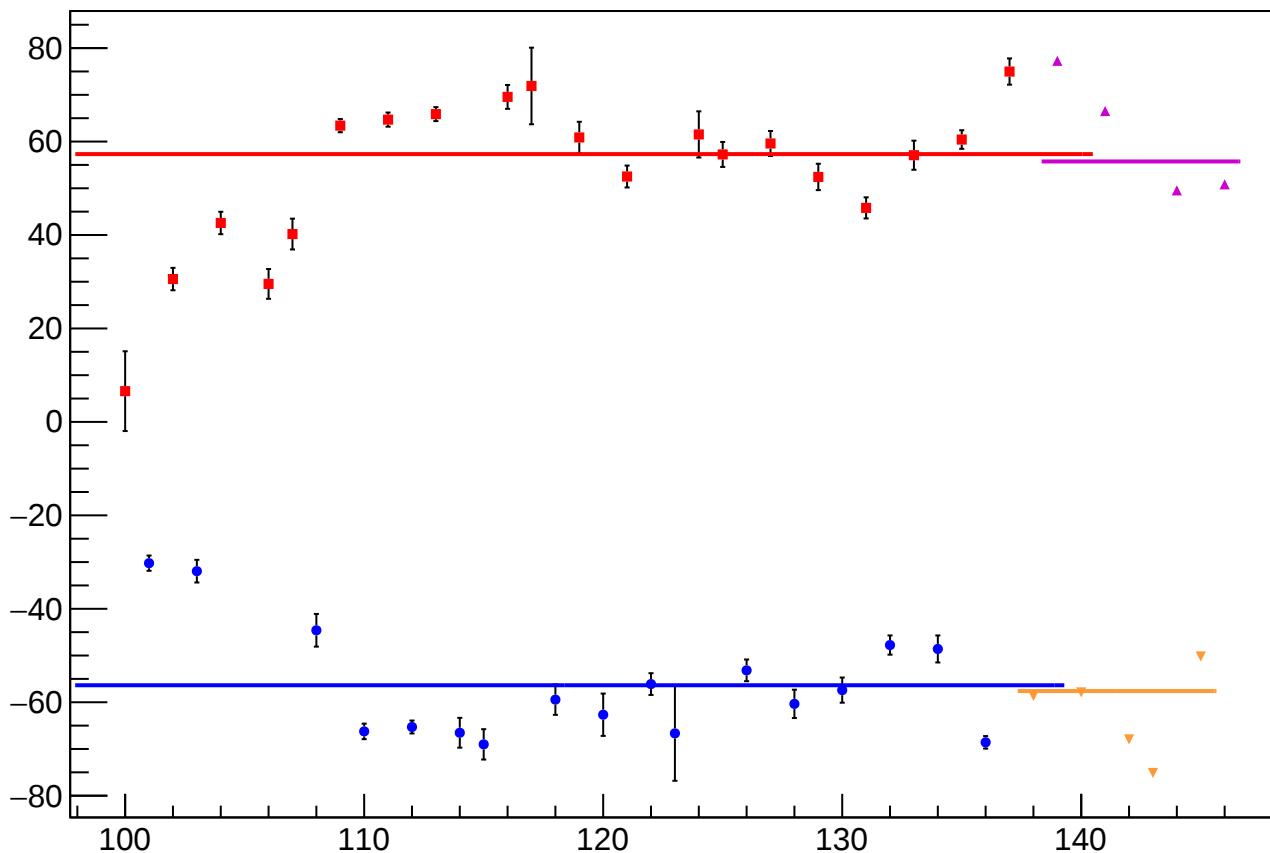
Left In: -2.712 ± 0.195 χ^2/NDF : 178.9/3

4.393 ± 0.181 χ^2/NDF : 459.6/21

0.362 ± 0.122 χ^2/NDF : 1698.3/45

-3.040 ± 0.166 χ^2/NDF : 322.9/23

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -57.599 ± 0.304 χ^2/NDF : 744.3/4

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

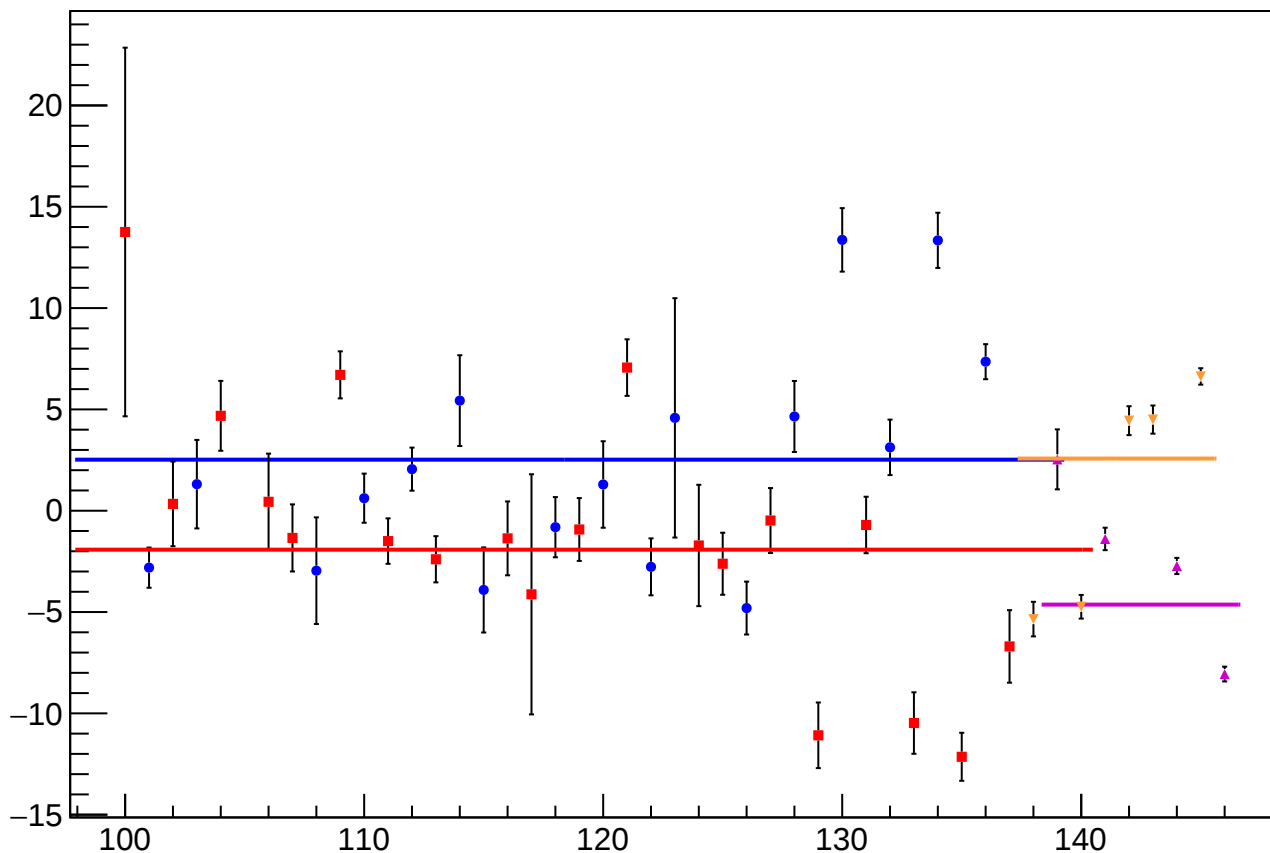
Left In: 55.740 ± 0.288 χ^2/NDF : 1055.4/3

-57.303 ± 0.266 χ^2/NDF : 1335.4/21

1.984 ± 0.183 χ^2/NDF : 98176.4/45

56.094 ± 0.254 χ^2/NDF : 1541.3/23

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 2.574 ± 0.263 χ^2/NDF : 357.5/4

Right Out: -1.922 ± 0.354 χ^2/NDF : 264.7/19

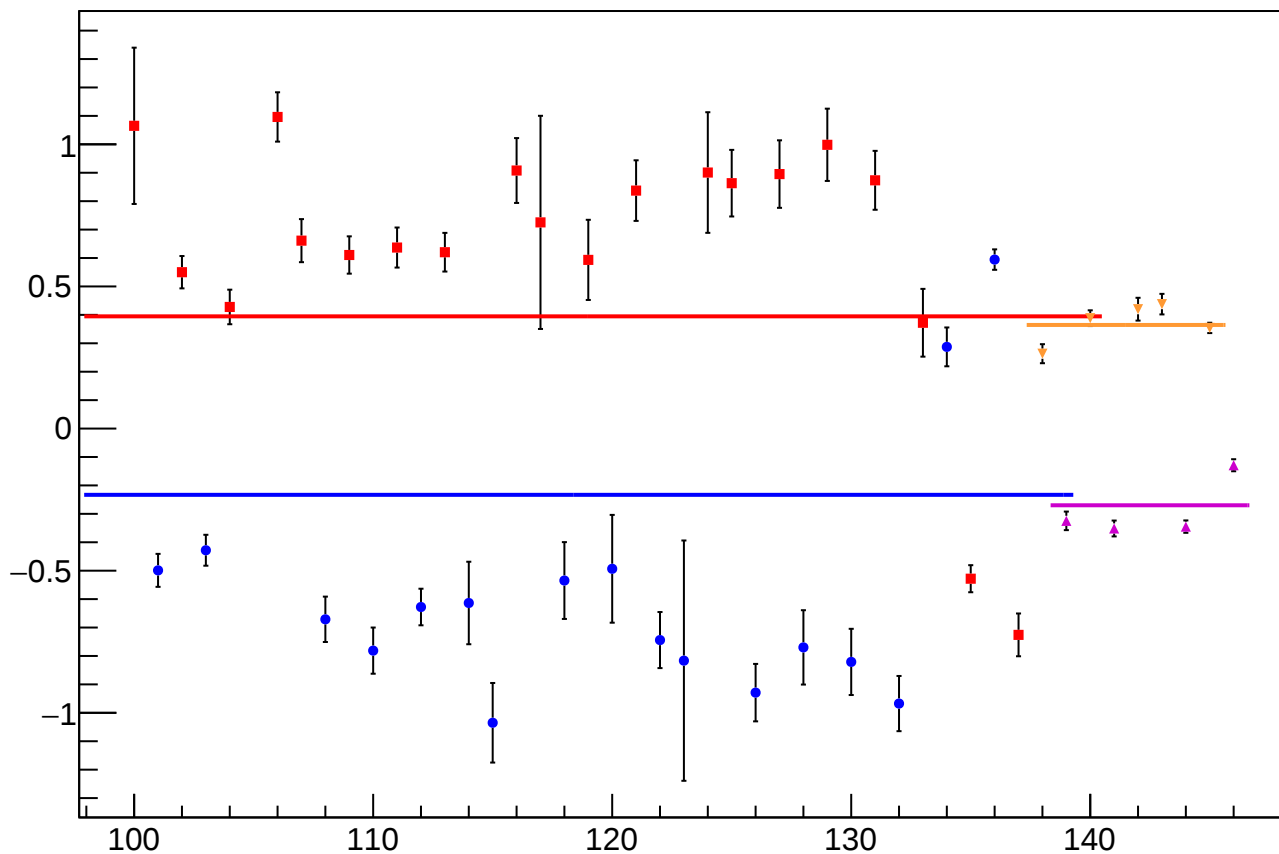
Left In: -4.633 ± 0.239 χ^2/NDF : 168.9/3

2.554 ± 0.210 χ^2/NDF : 599.9/21

-0.797 ± 0.144 χ^2/NDF : 1556.8/45

-3.786 ± 0.198 χ^2/NDF : 473.8/23

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.365 ± 0.012 χ^2/NDF : 16.2/4

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

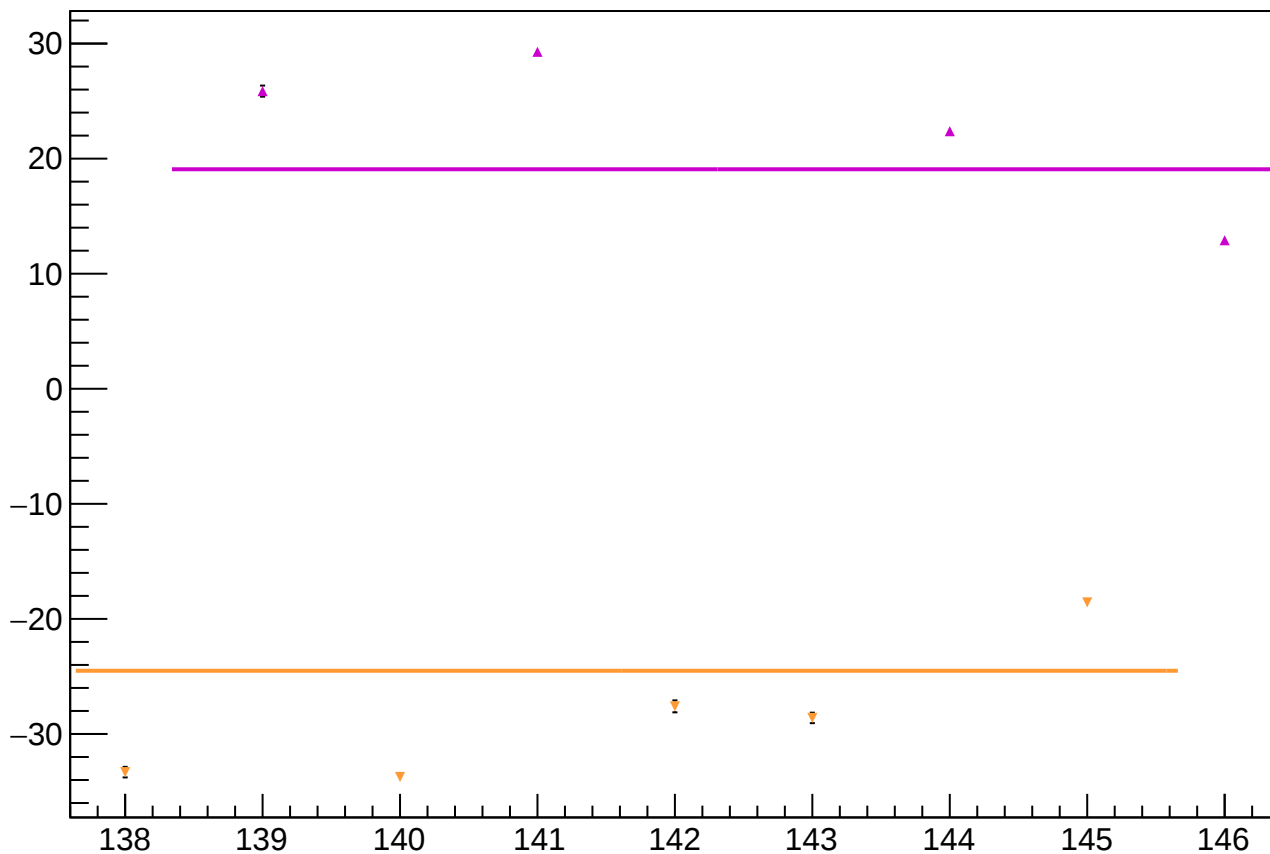
Left In: -0.270 ± 0.012 χ^2/NDF : 67.5/3

0.187 ± 0.010 χ^2/NDF : 1674.9/21

0.058 ± 0.007 χ^2/NDF : 3764.3/45

-0.072 ± 0.010 χ^2/NDF : 1776.2/23

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.506+/-0.143 χ^2/NDF : 2186.6/4

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

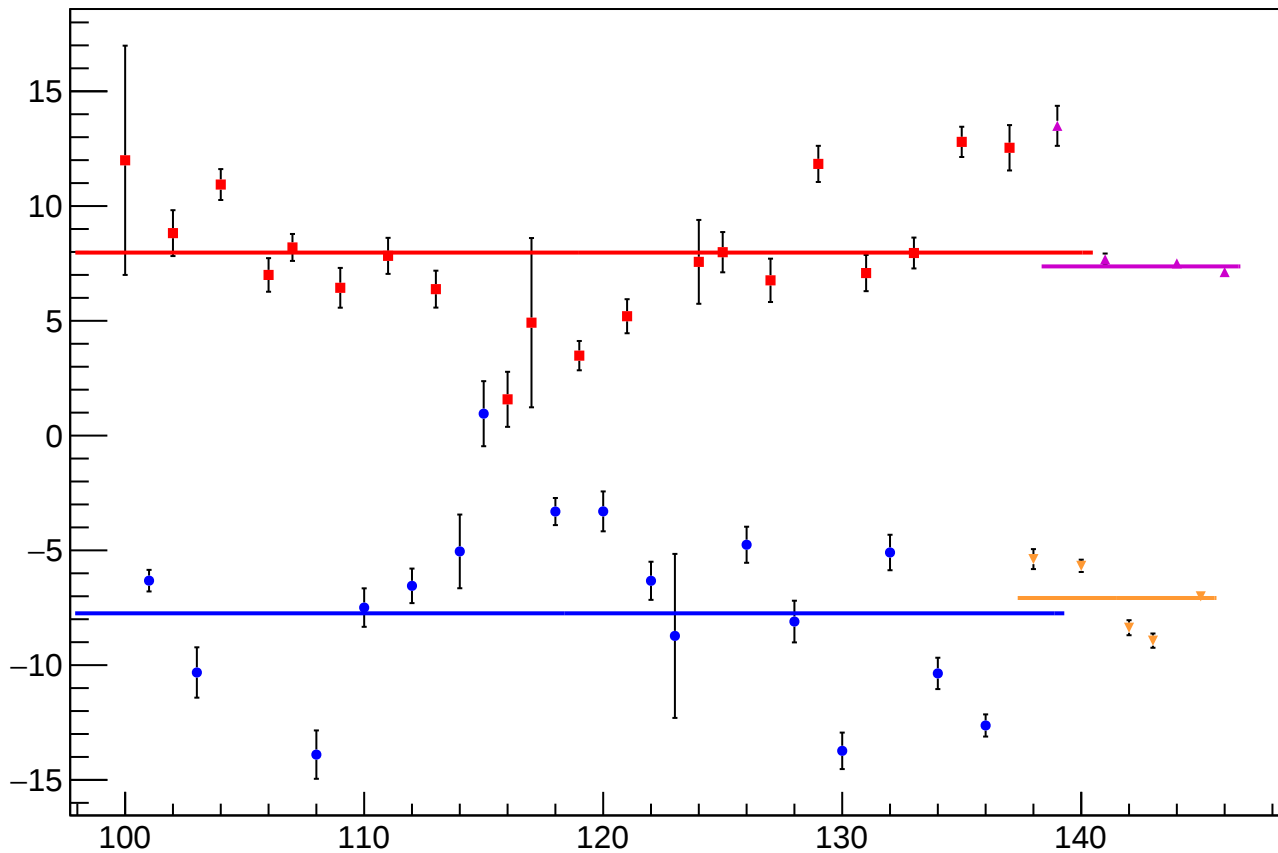
Left In: 19.074+/-0.128 χ^2/NDF : 2319.6/3

-24.506+/-0.143 χ^2/NDF : 2186.6/4

-0.334+/-0.096 χ^2/NDF : 55787.5/8

19.074+/-0.128 χ^2/NDF : 2319.6/3

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743 ± 0.187 $\chi^2/\text{NDF}: 377.5/16$

Left Out: -7.075 ± 0.113 $\chi^2/\text{NDF}: 94.0/4$

Right Out: 7.973 ± 0.186 $\chi^2/\text{NDF}: 224.2/19$

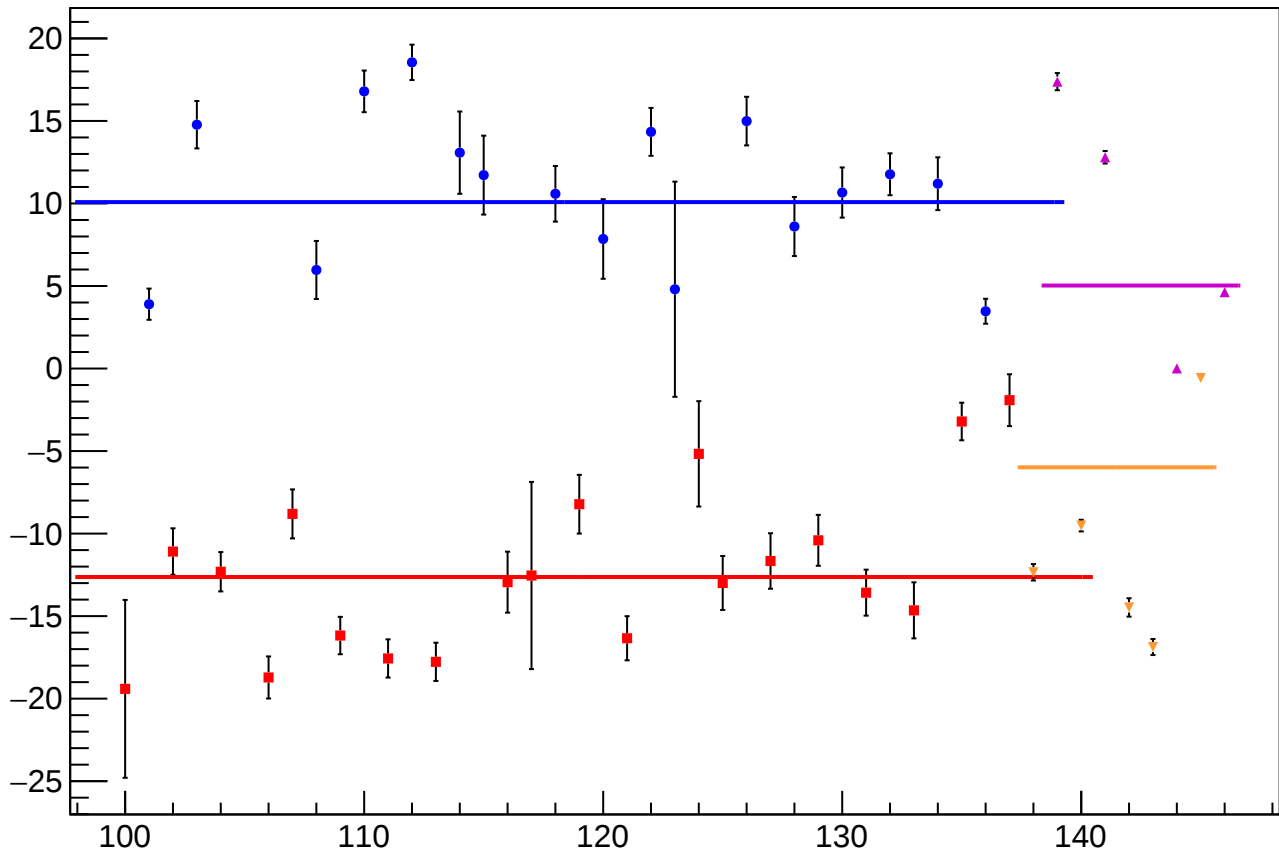
Left In: 7.370 ± 0.088 $\chi^2/\text{NDF}: 56.0/3$

-7.254 ± 0.097 $\chi^2/\text{NDF}: 480.8/21$

1.547 ± 0.061 $\chi^2/\text{NDF}: 14621.9/45$

7.481 ± 0.079 $\chi^2/\text{NDF}: 288.8/23$

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -5.986 ± 0.152 χ^2/NDF : 1687.4/4

Right Out: -12.631 ± 0.332 χ^2/NDF : 218.6/19

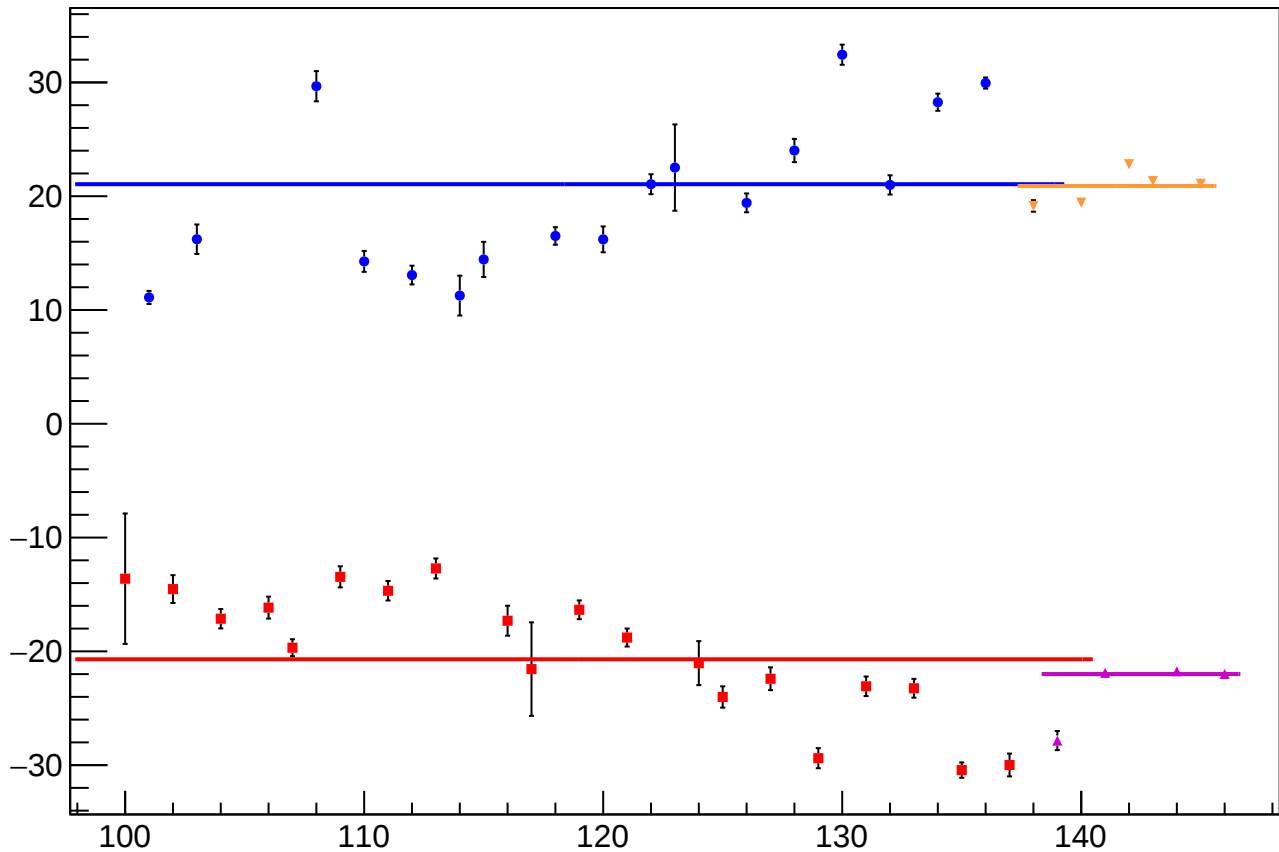
Left In: 5.029 ± 0.130 χ^2/NDF : 1426.4/3

-3.270 ± 0.139 χ^2/NDF : 3819.1/21

0.098 ± 0.091 χ^2/NDF : 8950.7/45

2.669 ± 0.121 χ^2/NDF : 4095.2/23

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055±/0.211 χ^2/NDF : 1211.8/16

Left Out: 20.900±/0.133 χ^2/NDF : 57.8/4

Right Out: -20.696±/0.212 χ^2/NDF : 724.1/19

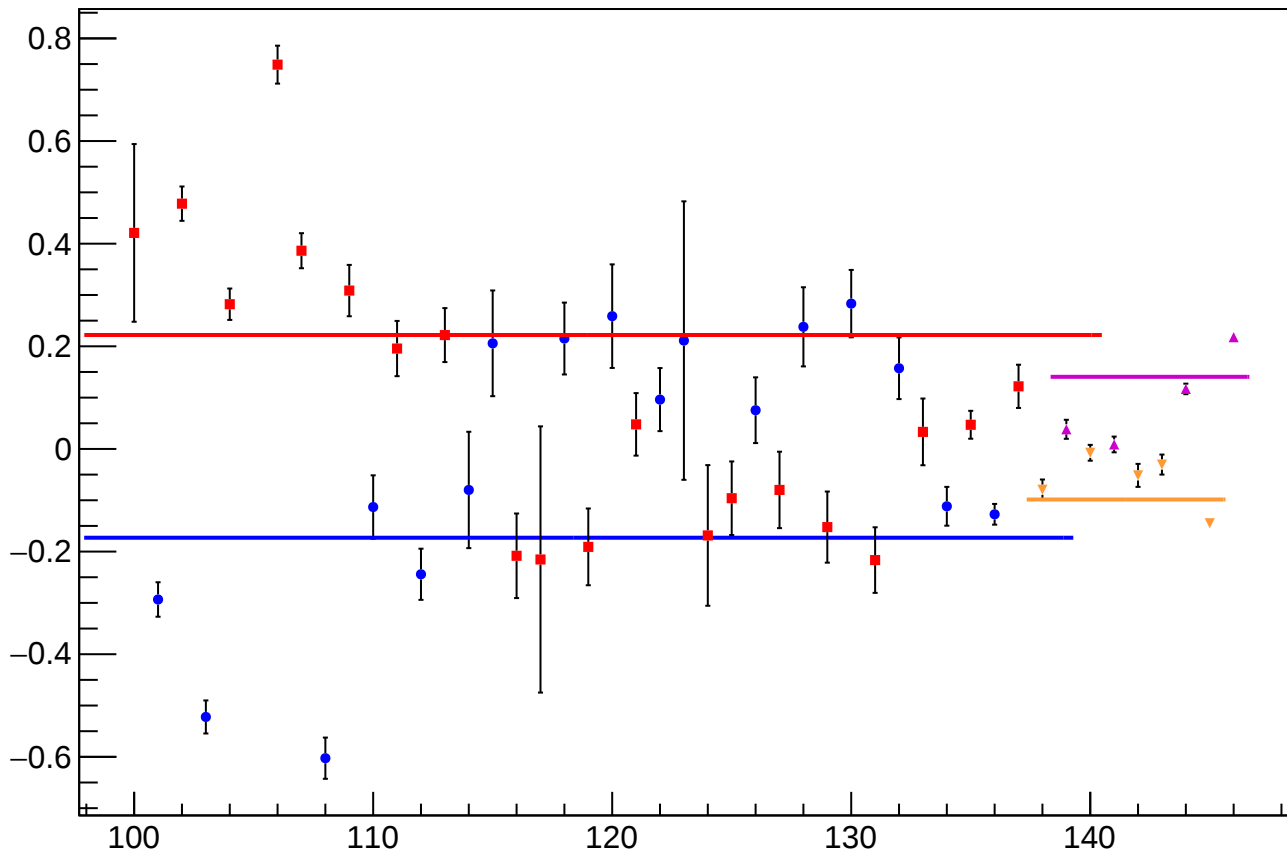
Left In: -21.993±/0.108 χ^2/NDF : 50.2/3

20.944±/0.113 χ^2/NDF : 1269.9/21

-3.749±/0.073 χ^2/NDF : 85317.1/45

-21.729±/0.096 χ^2/NDF : 804.0/23

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.099 ± 0.006 χ^2/NDF : 85.1/4

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

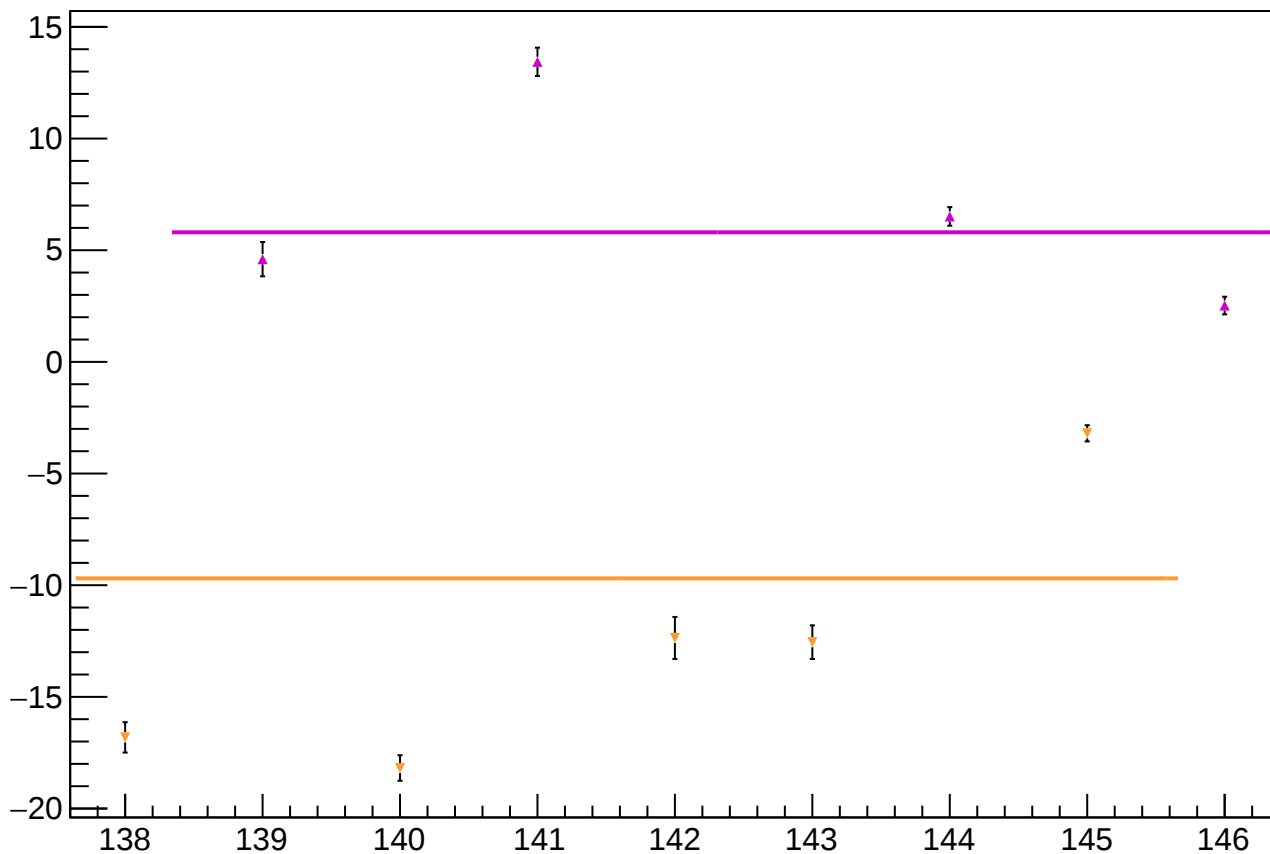
Left In: 0.141 ± 0.006 χ^2/NDF : 193.1/3

-0.116 ± 0.005 χ^2/NDF : 580.9/21

0.029 ± 0.004 χ^2/NDF : 2728.1/45

0.158 ± 0.005 χ^2/NDF : 774.6/23

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.693+/-0.252 χ^2 /NDF: 673.1/4

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

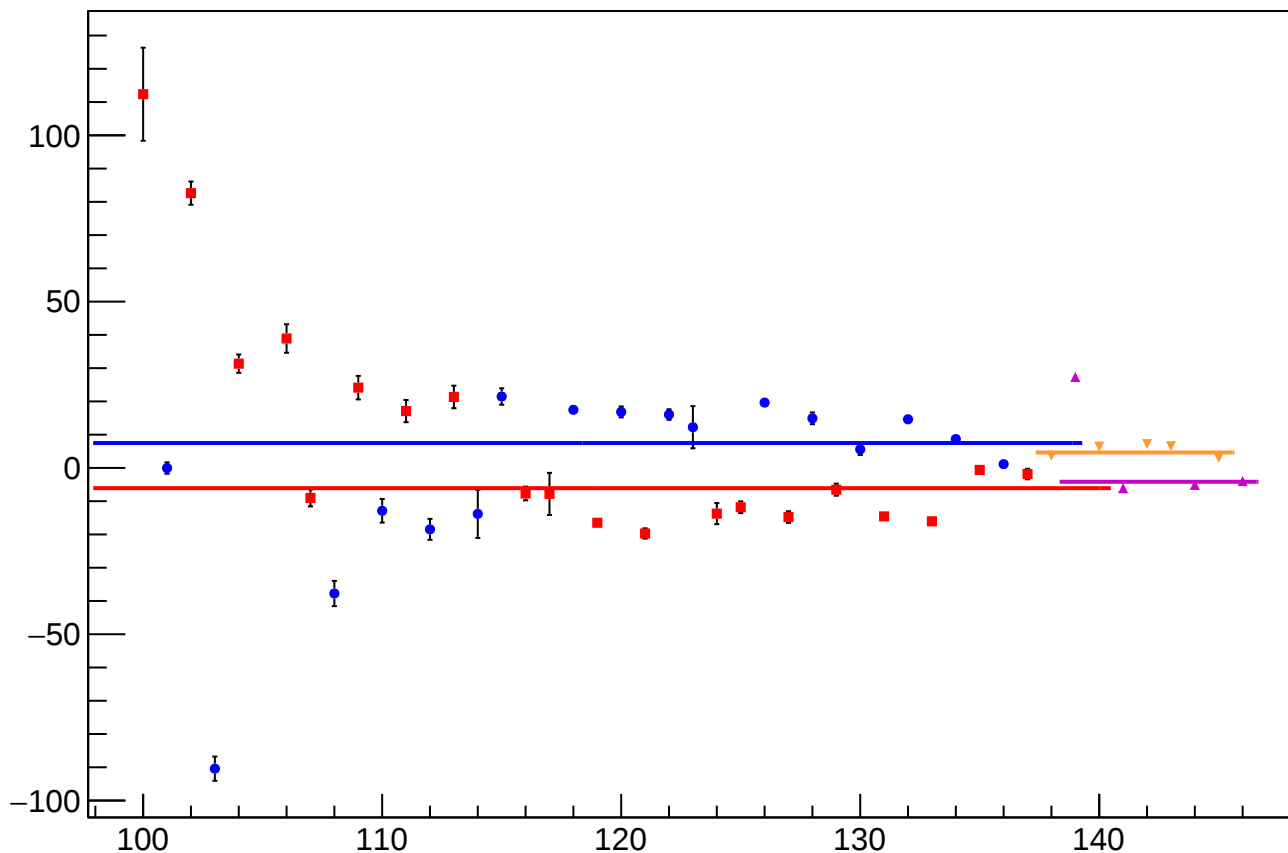
Left In: 5.802+/-0.247 χ^2 /NDF: 219.5/3

-9.693+/-0.252 χ^2 /NDF: 673.1/4

-1.784+/-0.177 χ^2 /NDF: 2817.8/8

5.802+/-0.247 χ^2 /NDF: 219.5/3

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 4.643 ± 0.198 χ^2/NDF : 80.5/4

Right Out: -6.086 ± 0.433 χ^2/NDF : 1512.2/19

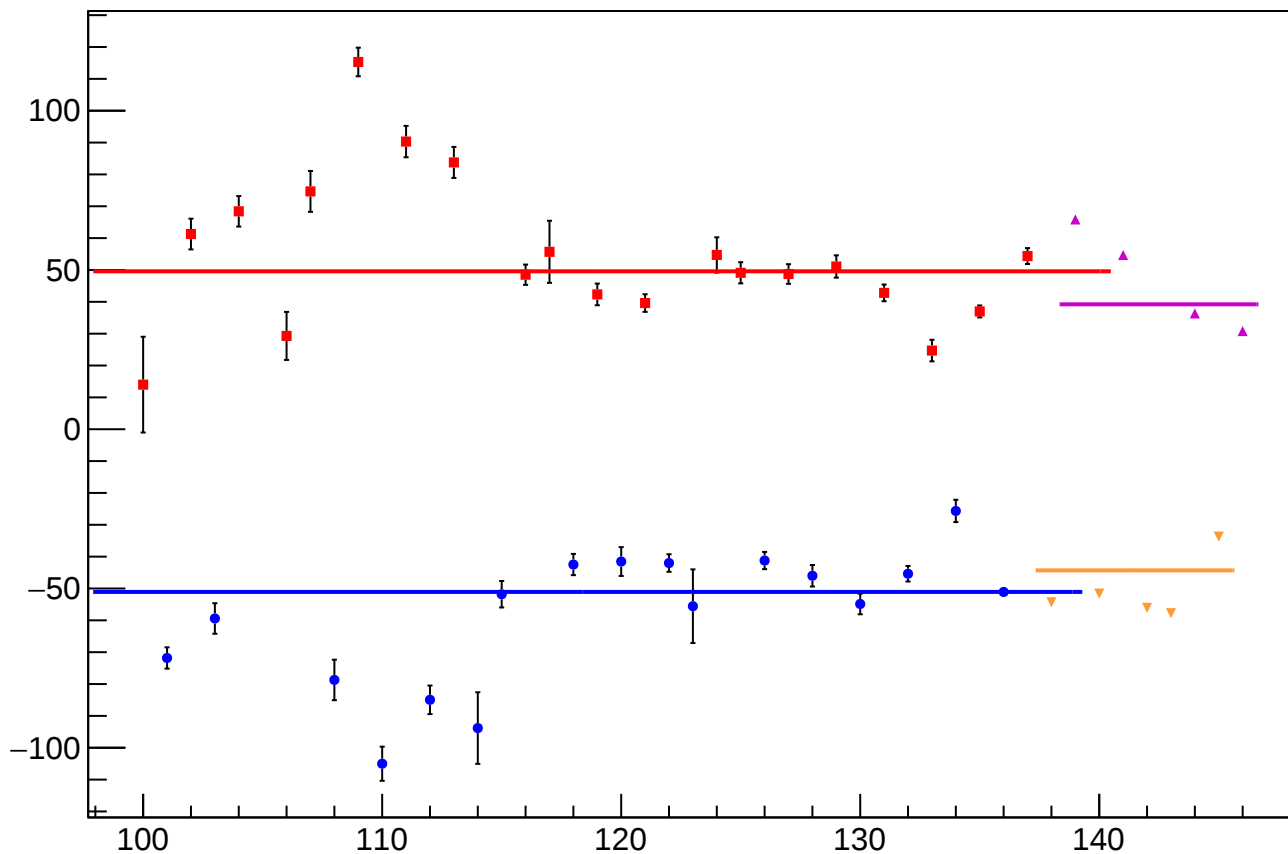
Left In: -4.163 ± 0.175 χ^2/NDF : 549.2/3

5.186 ± 0.178 χ^2/NDF : 1460.6/21

-0.057 ± 0.120 χ^2/NDF : 5136.0/45

-4.433 ± 0.162 χ^2/NDF : 2078.3/23

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -44.307 ± 0.270 χ^2/NDF : 1491.5/4

Right Out: 49.579 ± 0.796 χ^2/NDF : 510.0/19

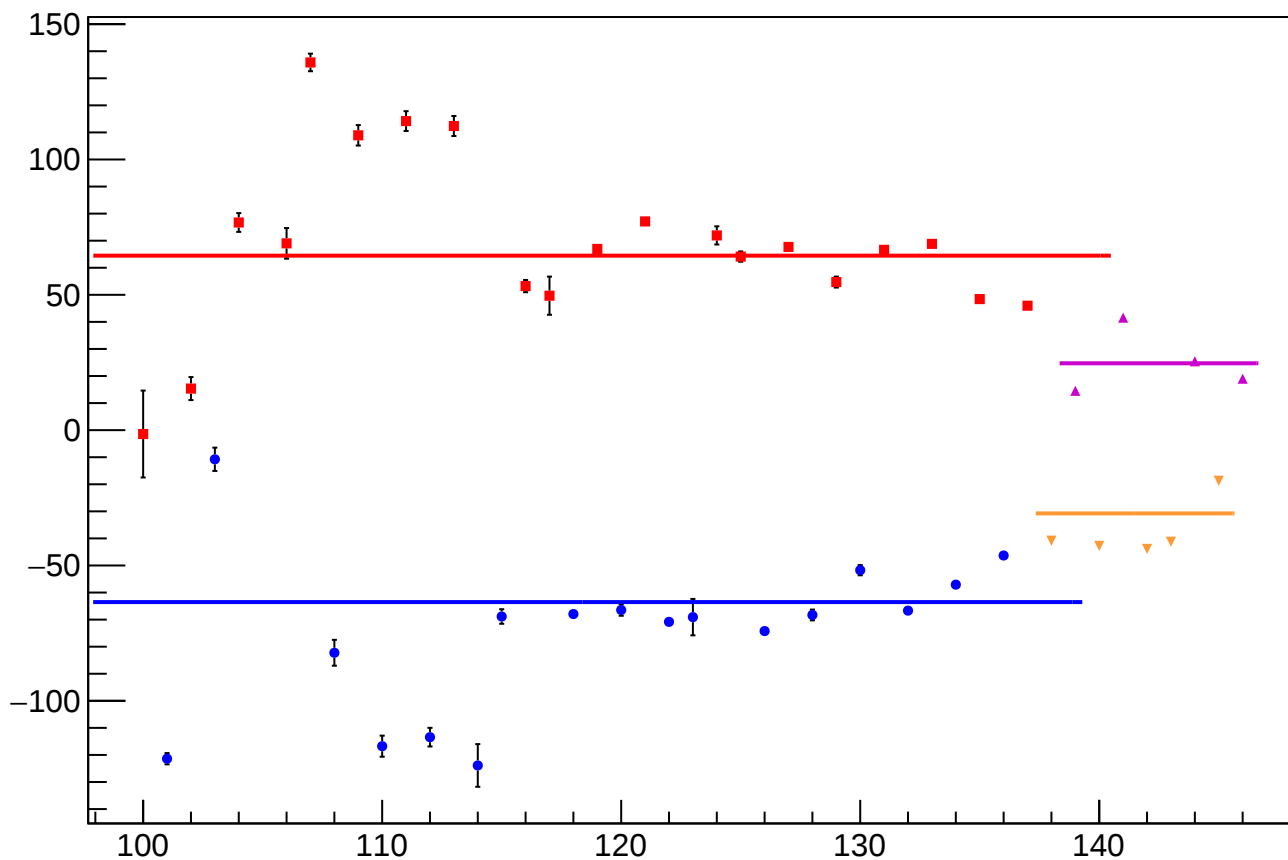
Left In: 39.220 ± 0.253 χ^2/NDF : 2084.0/3

-45.101 ± 0.254 χ^2/NDF : 1895.4/21

-0.344 ± 0.175 χ^2/NDF : 63979.8/45

40.173 ± 0.241 χ^2/NDF : 2747.8/23

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -30.762 ± 0.233 χ^2/NDF : 2555.8/4

Right Out: 64.470 ± 0.482 χ^2/NDF : 1607.5/19

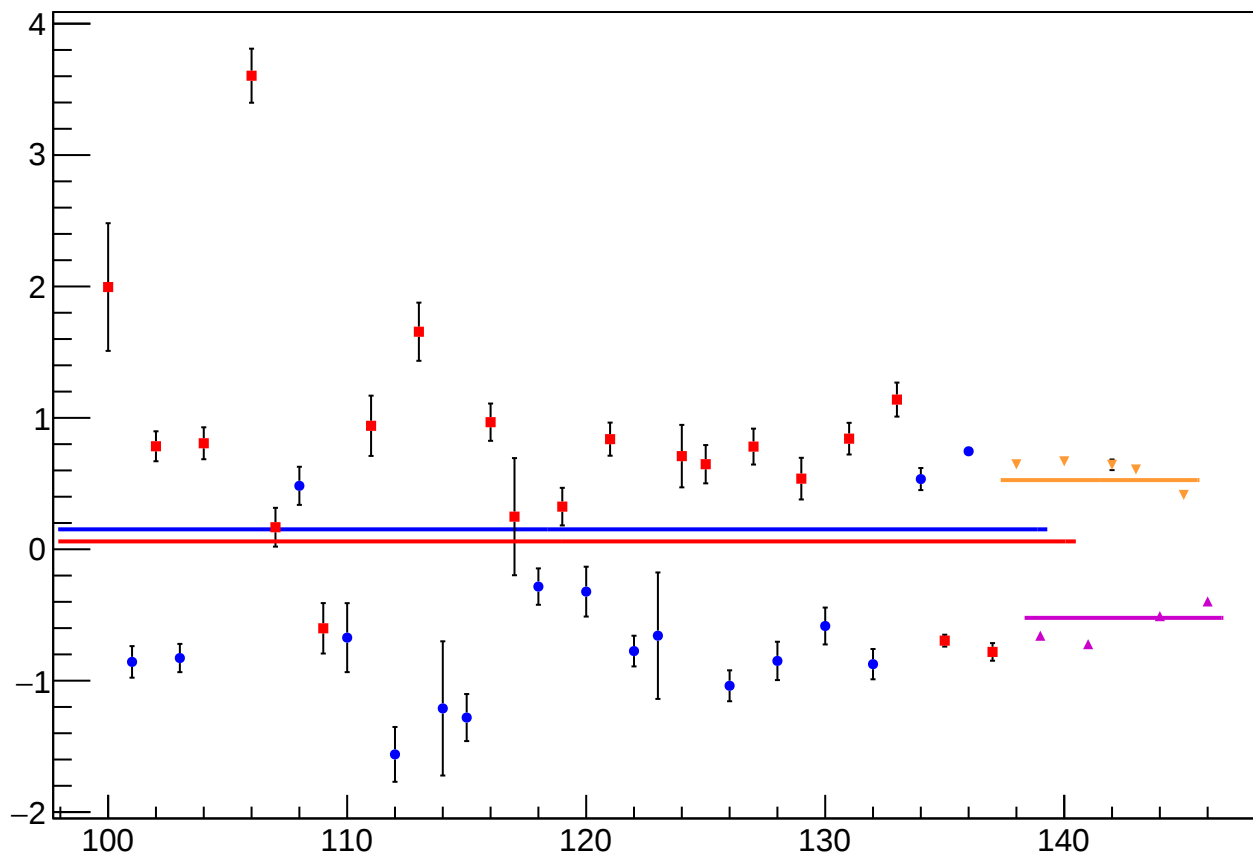
Left In: 24.704 ± 0.213 χ^2/NDF : 1357.3/3

-37.725 ± 0.207 χ^2/NDF : 8765.9/21

-1.159 ± 0.142 χ^2/NDF : 76333.9/45

31.185 ± 0.195 χ^2/NDF : 8666.3/23

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.024 χ^2/NDF : 987.4/16

Left Out: 0.526 $\pm$ 0.011 χ^2/NDF : 115.2/4

Right Out: 0.060 $\pm$ 0.026 χ^2/NDF : 1162.1/19

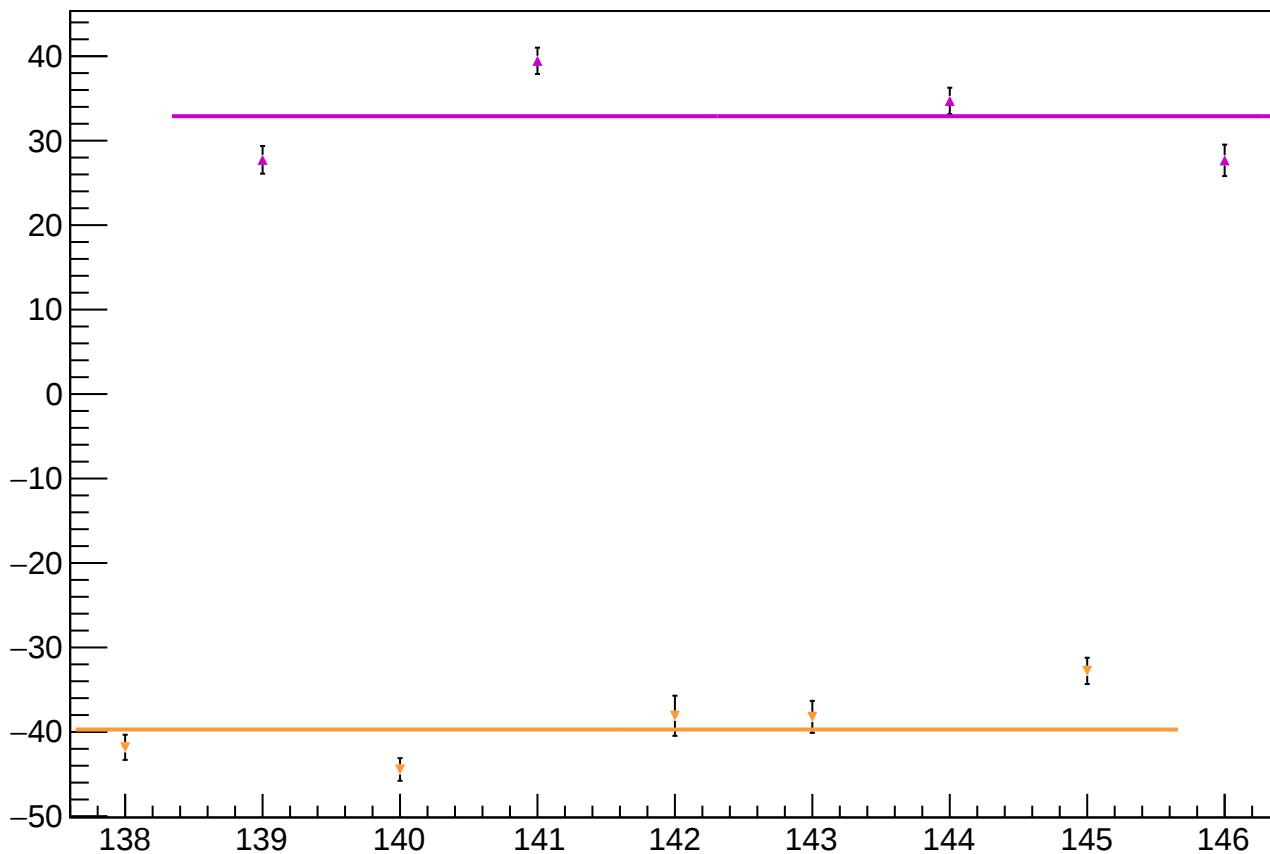
Left In: -0.522 $\pm$ 0.011 χ^2/NDF : 124.7/3

0.463 $\pm$ 0.010 χ^2/NDF : 1304.4/21

0.022 $\pm$ 0.007 χ^2/NDF : 7048.7/45

-0.436 $\pm$ 0.010 χ^2/NDF : 1705.4/23

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -39.717+/-0.731 χ^2/NDF : 35.4/4

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

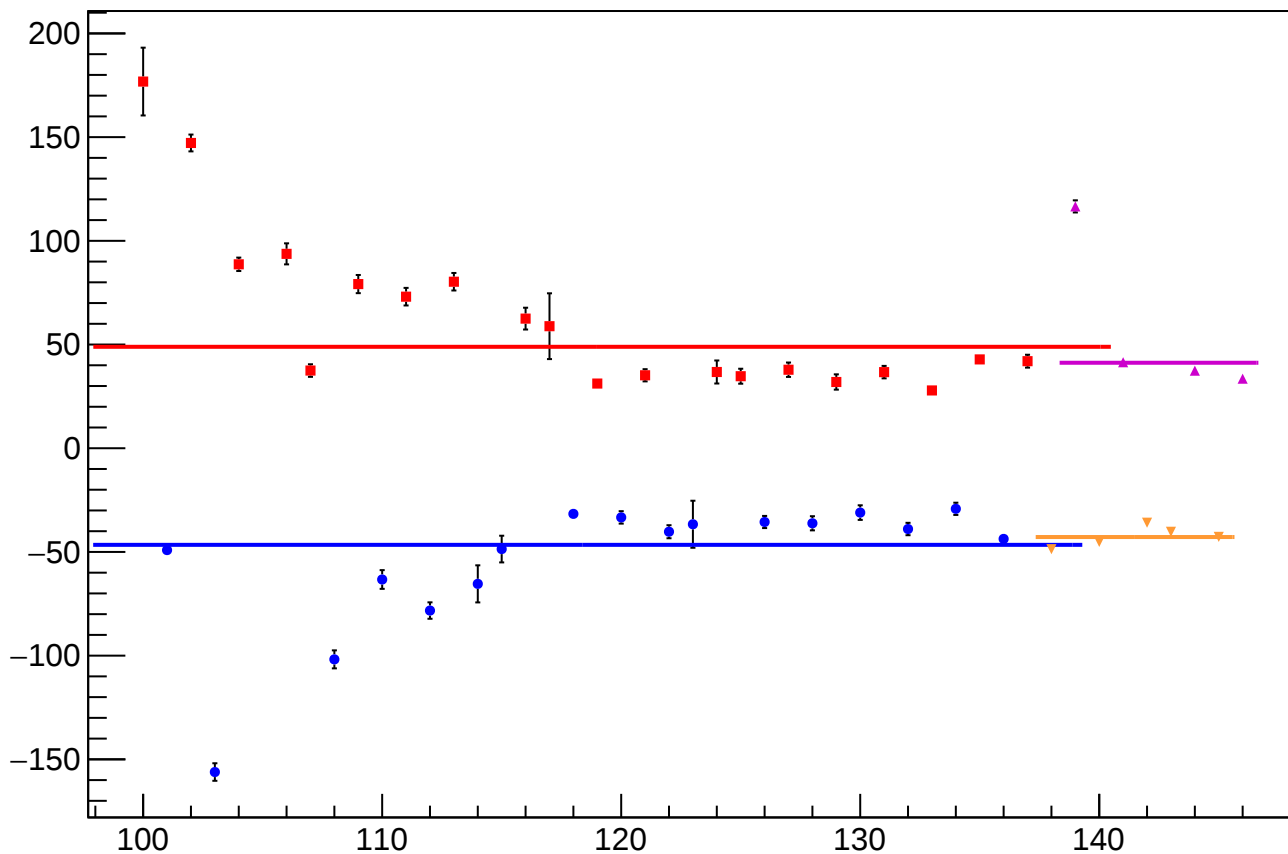
Left In: 32.895+/-0.821 χ^2/NDF : 36.9/3

-39.717+/-0.731 χ^2/NDF : 35.4/4

-7.627+/-0.546 χ^2/NDF : 4435.9/8

32.895+/-0.821 χ^2/NDF : 36.9/3

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579+/-0.730 χ^2/NDF : 1076.4/16

Left Out: -42.812+/-0.583 χ^2/NDF : 45.1/4

Right Out: 48.911+/-0.763 χ^2/NDF : 1277.9/19

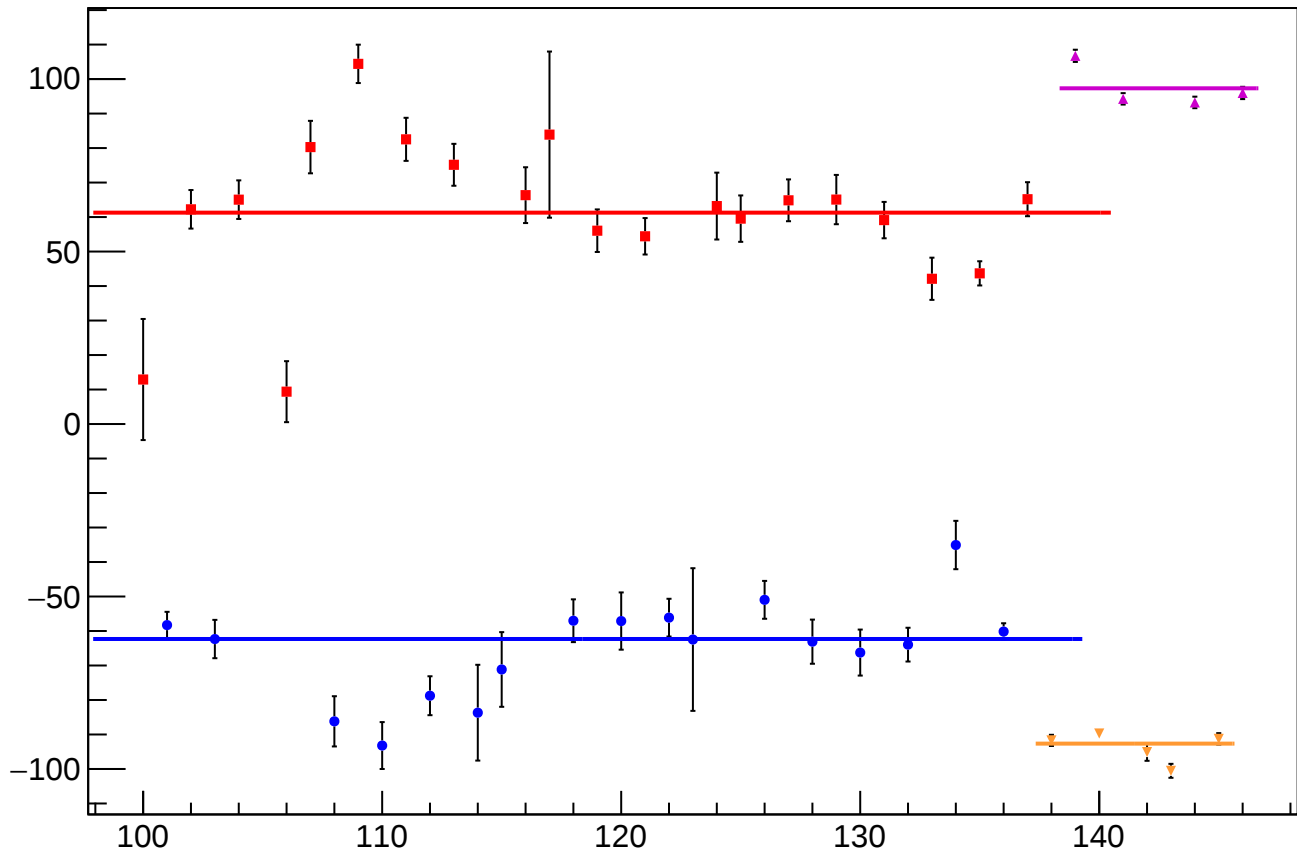
Left In: 41.216+/-0.632 χ^2/NDF : 719.1/3

-44.280+/-0.456 χ^2/NDF : 1137.7/21

-2.898+/-0.333 χ^2/NDF : 20866.7/45

44.351+/-0.487 χ^2/NDF : 2057.3/23

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -92.648 ± 0.782 χ^2/NDF : 21.4/4

Right Out: 61.277 ± 1.379 χ^2/NDF : 165.9/19

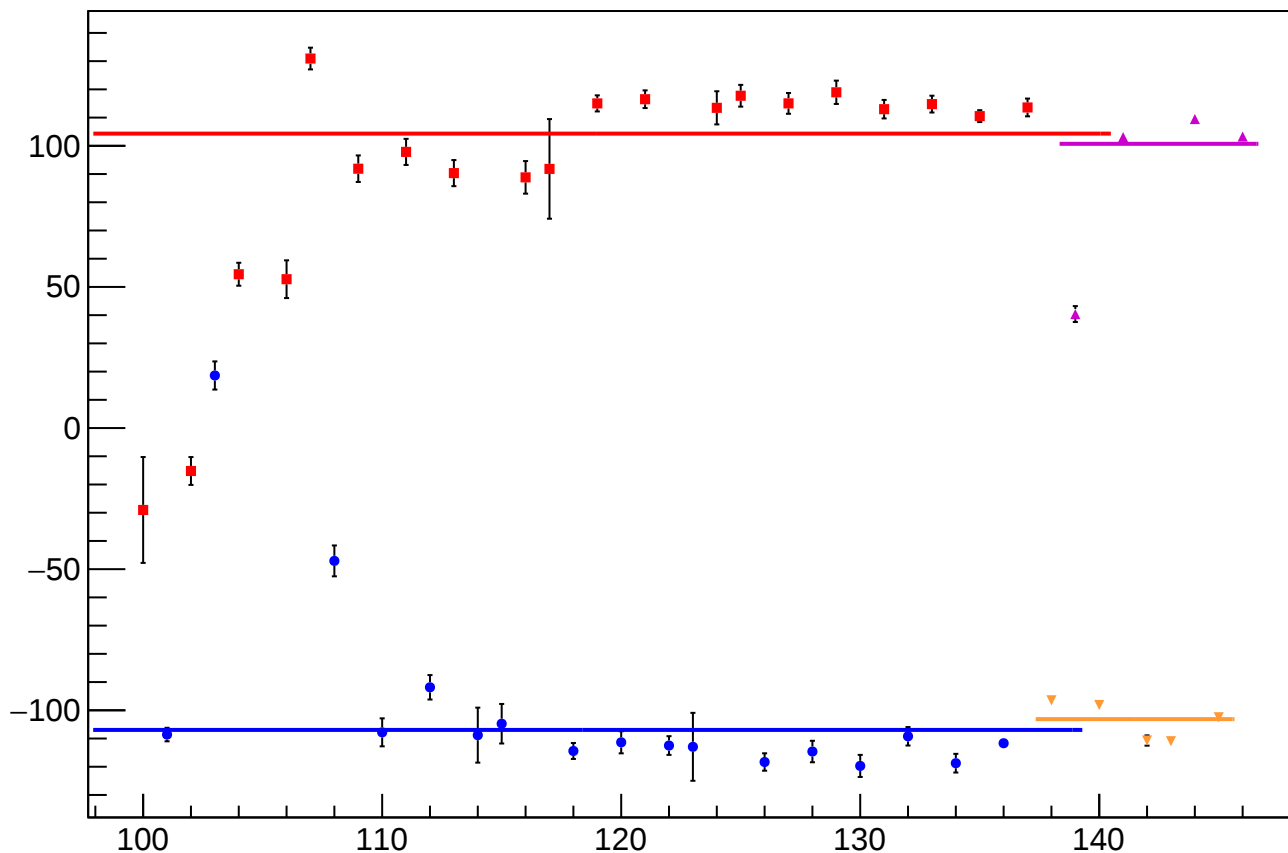
Left In: 97.322 ± 0.860 χ^2/NDF : 38.2/3

-84.731 ± 0.672 χ^2/NDF : 481.3/21

-5.768 ± 0.494 χ^2/NDF : 31240.4/45

87.234 ± 0.729 χ^2/NDF : 696.3/23

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 $\pm$ 0.817 χ^2/NDF : 827.2/16

Left Out: -103.137 $\pm$ 0.691 χ^2/NDF : 72.0/4

Right Out: 104.326 $\pm$ 0.860 χ^2/NDF : 1021.5/19

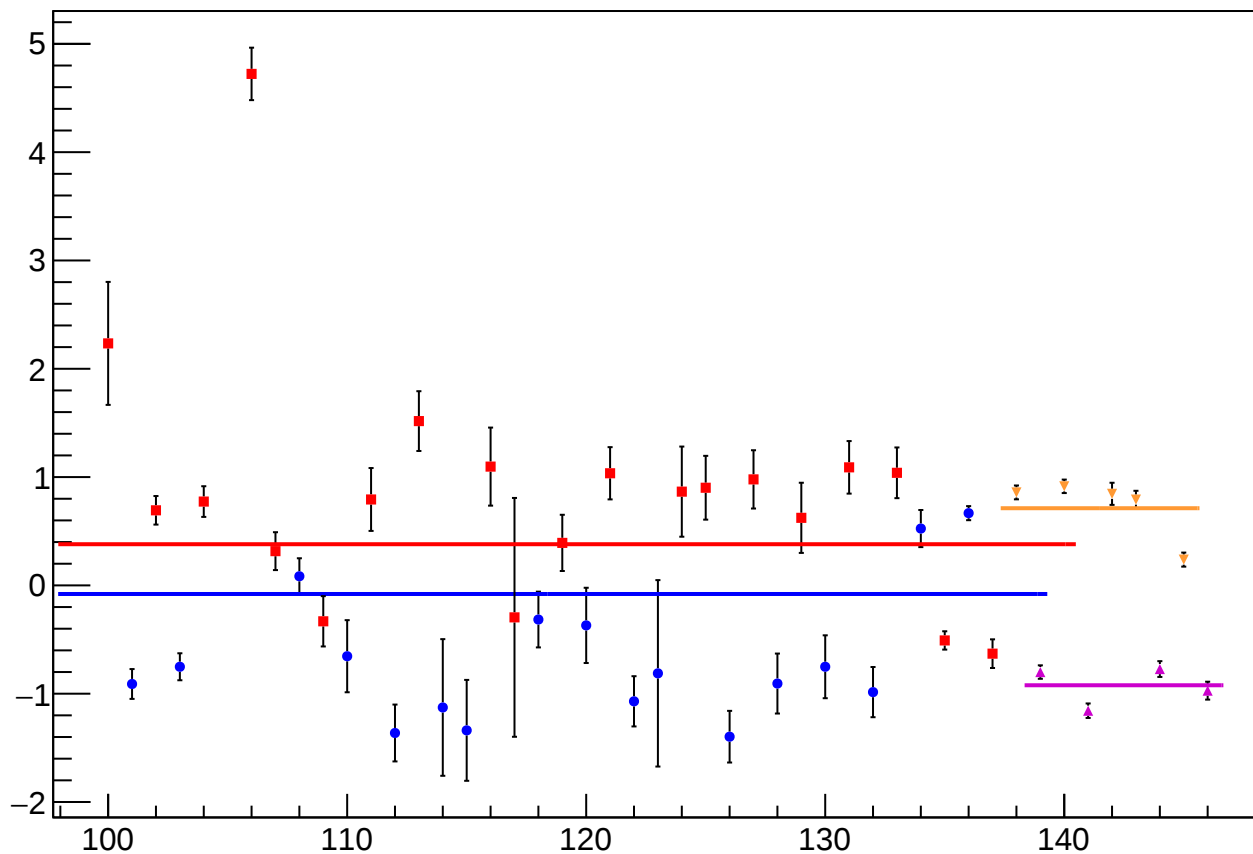
Left In: 100.709 $\pm$ 0.757 χ^2/NDF : 507.9/3

-104.729 $\pm$ 0.528 χ^2/NDF : 912.0/21

-8.909 $\pm$ 0.387 χ^2/NDF : 73683.2/45

102.288 $\pm$ 0.568 χ^2/NDF : 1539.4/23

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.712 ± 0.032 χ^2/NDF : 72.0/4

Right Out: 0.380 ± 0.044 χ^2/NDF : 580.9/19

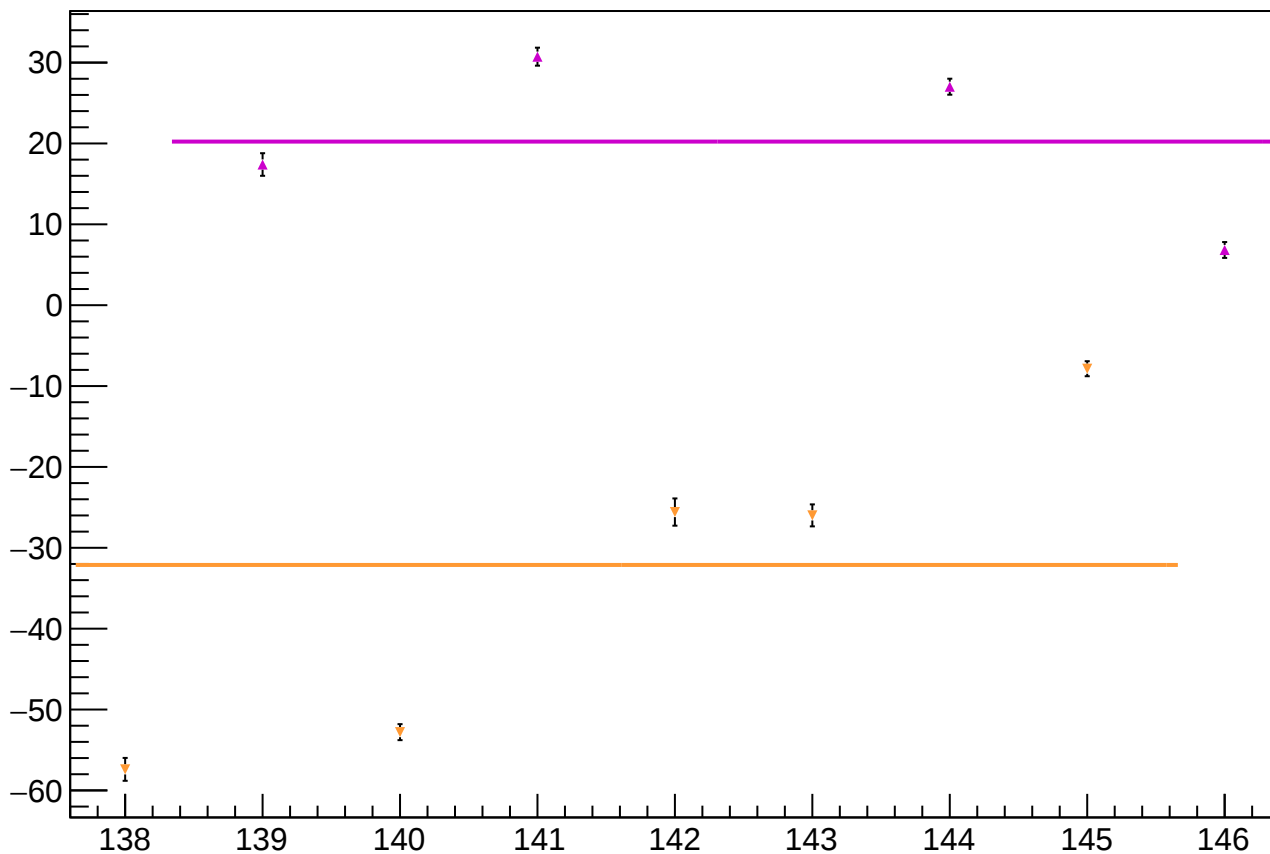
Left In: -0.922 ± 0.035 χ^2/NDF : 20.7/3

0.426 ± 0.025 χ^2/NDF : 624.7/21

0.036 ± 0.019 χ^2/NDF : 2272.2/45

-0.417 ± 0.027 χ^2/NDF : 1138.4/23

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.121+/-0.529 χ^2/NDF : 1472.3/4

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

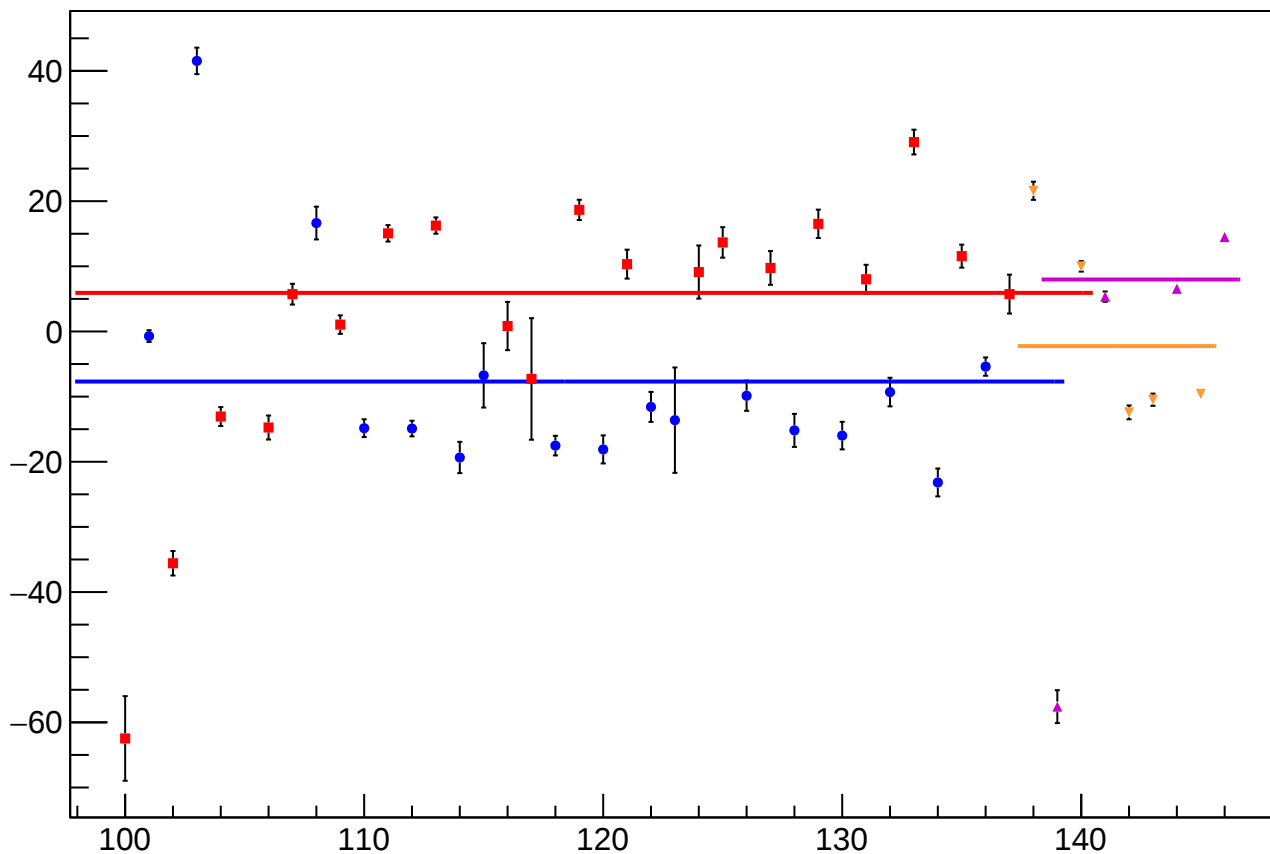
Left In: 20.231+/-0.544 χ^2/NDF : 327.4/3

-32.121+/-0.529 χ^2/NDF : 1472.3/4

-6.647+/-0.379 χ^2/NDF : 6561.8/8

20.231+/-0.544 χ^2/NDF : 327.4/3

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -2.246 ± 0.416 χ^2/NDF : 783.3/4

Right Out: 5.925 ± 0.428 χ^2/NDF : 1300.1/19

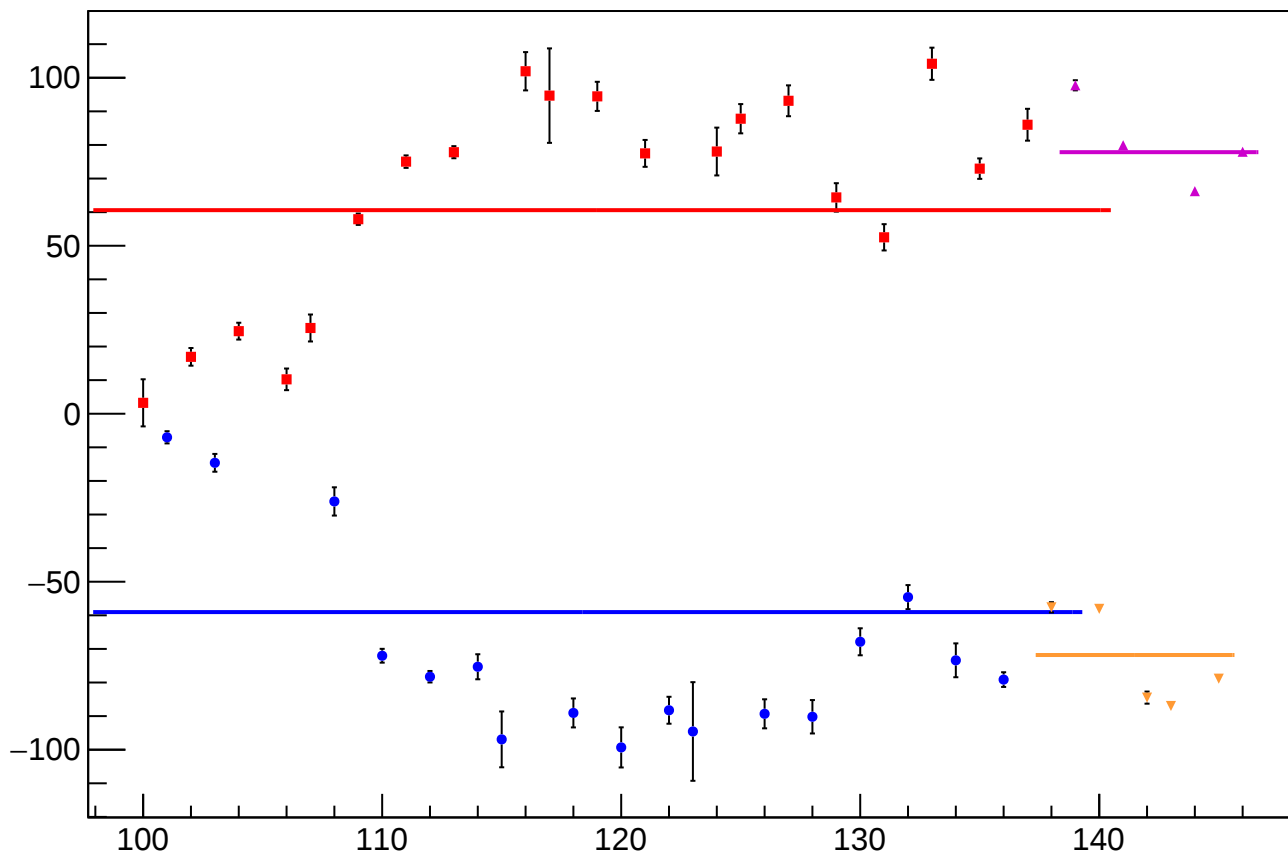
Left In: 7.976 ± 0.395 χ^2/NDF : 801.2/3

-4.873 ± 0.299 χ^2/NDF : 1842.0/21

1.250 ± 0.208 χ^2/NDF : 4772.3/45

7.034 ± 0.290 χ^2/NDF : 2113.7/23

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 $\pm$ 0.746 χ^2/NDF : 1709.5/16

Left Out: -71.814 $\pm$ 0.564 χ^2/NDF : 465.5/4

Right Out: 60.593 $\pm$ 0.704 χ^2/NDF : 1390.7/19

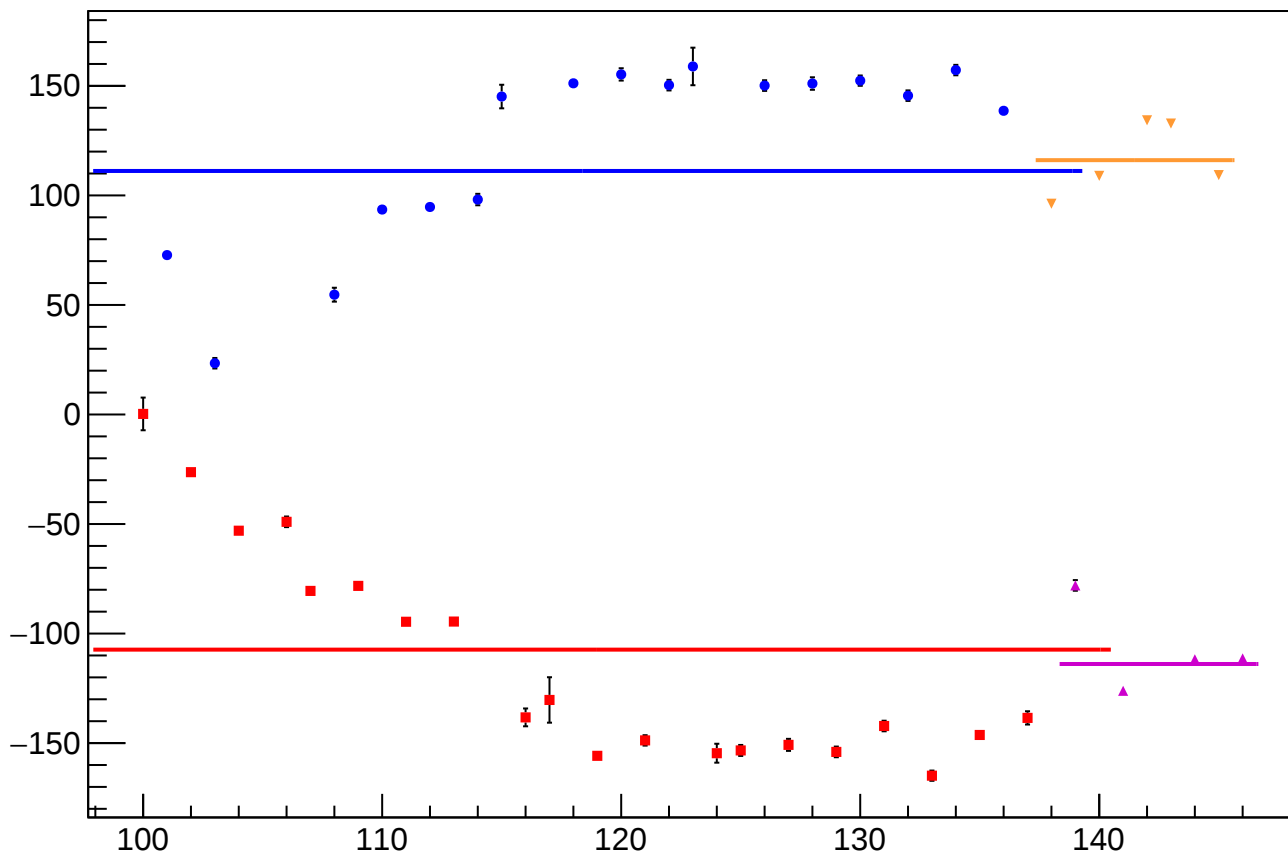
Left In: 77.854 $\pm$ 0.561 χ^2/NDF : 296.5/3

-67.162 $\pm$ 0.450 χ^2/NDF : 2361.6/21

3.717 $\pm$ 0.314 χ^2/NDF : 52830.9/45

71.138 $\pm$ 0.439 χ^2/NDF : 2055.0/23

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 ± 0.489 $\chi^2/\text{NDF}: 5877.6/16$

Left Out: 116.093 ± 0.492 $\chi^2/\text{NDF}: 687.6/4$

Right Out: -107.334 ± 0.487 $\chi^2/\text{NDF}: 7060.0/19$

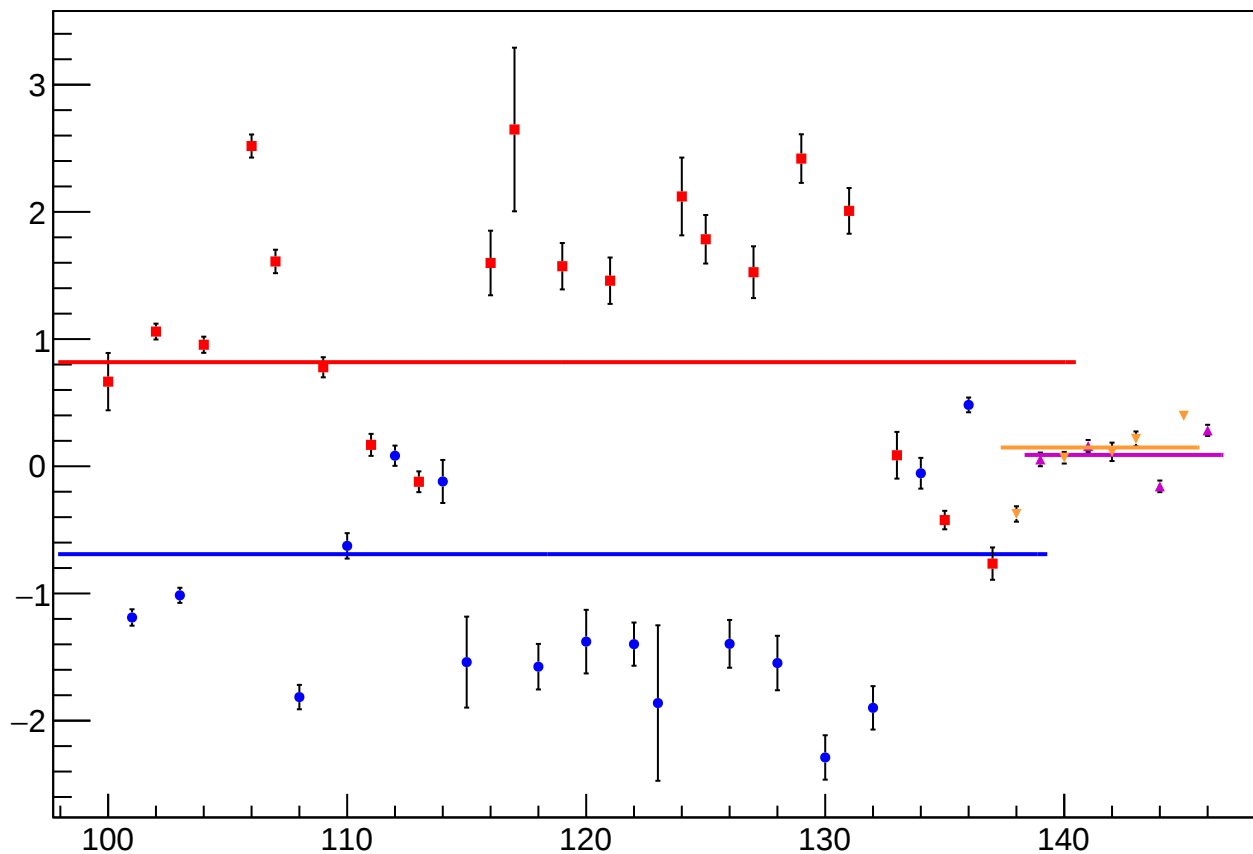
Left In: -113.892 ± 0.477 $\chi^2/\text{NDF}: 399.8/3$

113.611 ± 0.347 $\chi^2/\text{NDF}: 6615.8/21$

-0.479 ± 0.243 $\chi^2/\text{NDF}: 226899.4/45$

-110.681 ± 0.341 $\chi^2/\text{NDF}: 7552.3/23$

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: 0.148 ± 0.023 χ^2/NDF : 120.7/4

Right Out: 0.819 ± 0.024 χ^2/NDF : 1312.5/19

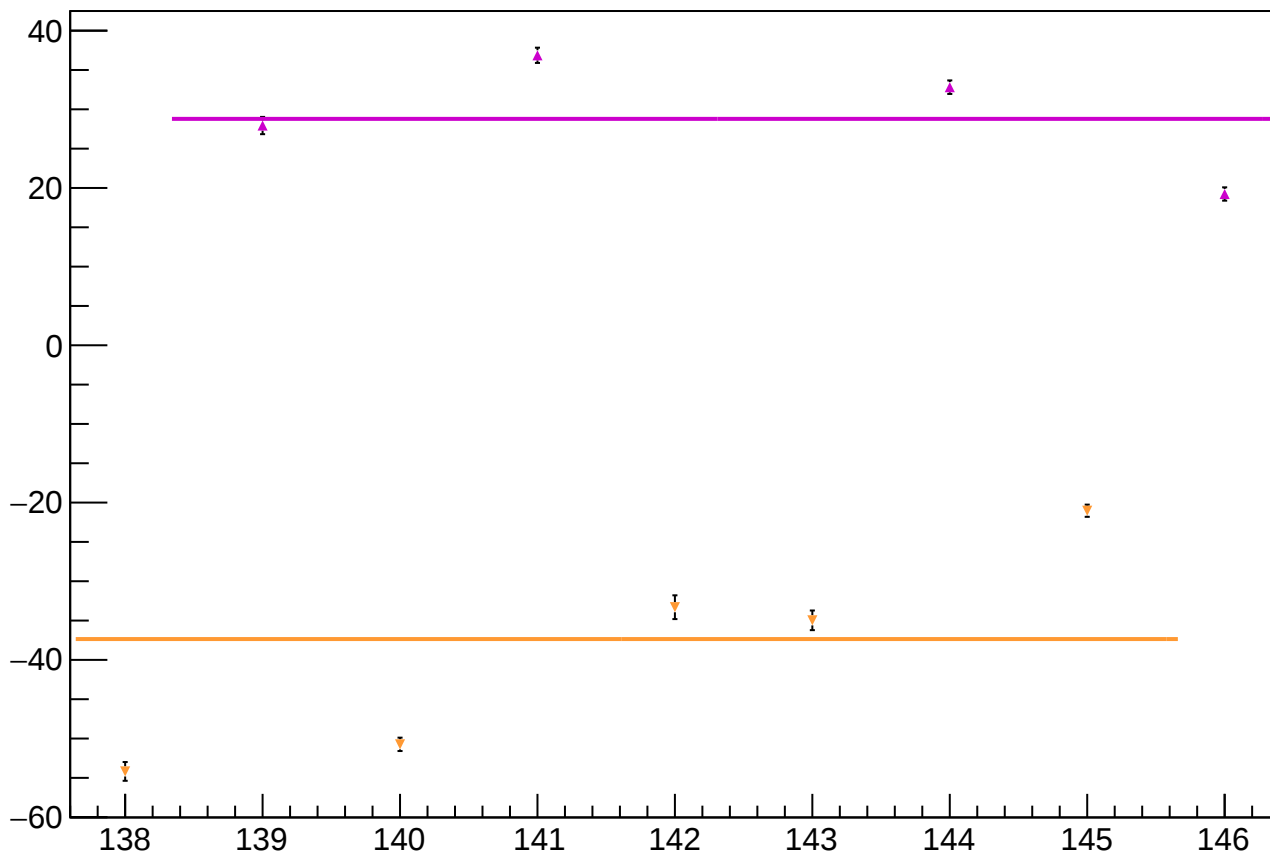
Left In: 0.089 ± 0.024 χ^2/NDF : 50.9/3

-0.222 ± 0.017 χ^2/NDF : 1701.8/21

0.114 ± 0.012 χ^2/NDF : 4287.6/45

0.444 ± 0.017 χ^2/NDF : 1824.1/23

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -37.352+/-0.455 χ^2/NDF : 898.8/4

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

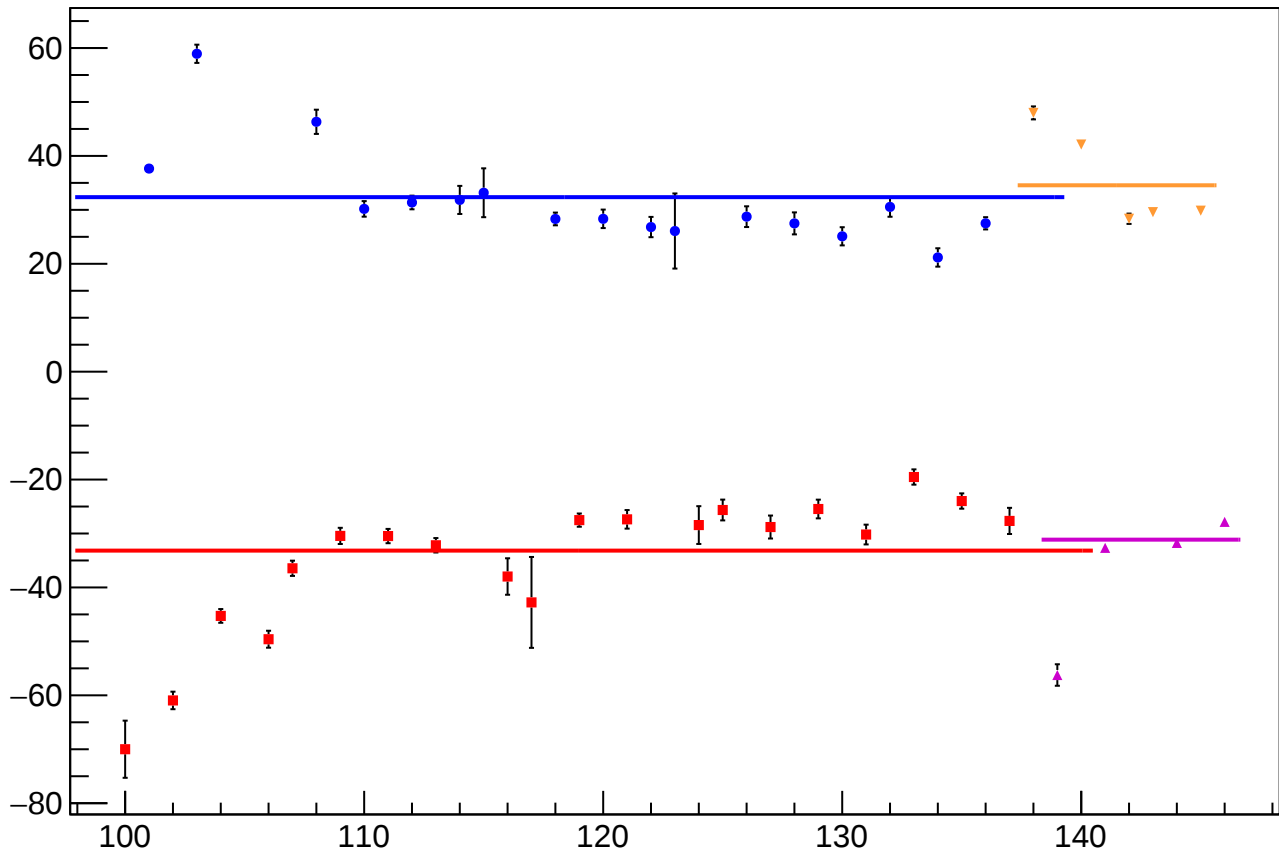
Left In: 28.786+/-0.465 χ^2/NDF : 218.9/3

-37.352+/-0.455 χ^2/NDF : 898.8/4

-4.943+/-0.325 χ^2/NDF : 11455.9/8

28.786+/-0.465 χ^2/NDF : 218.9/3

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 34.555 ± 0.363 $\chi^2/\text{NDF}: 370.2/4$

Right Out: -33.172 ± 0.378 $\chi^2/\text{NDF}: 773.3/19$

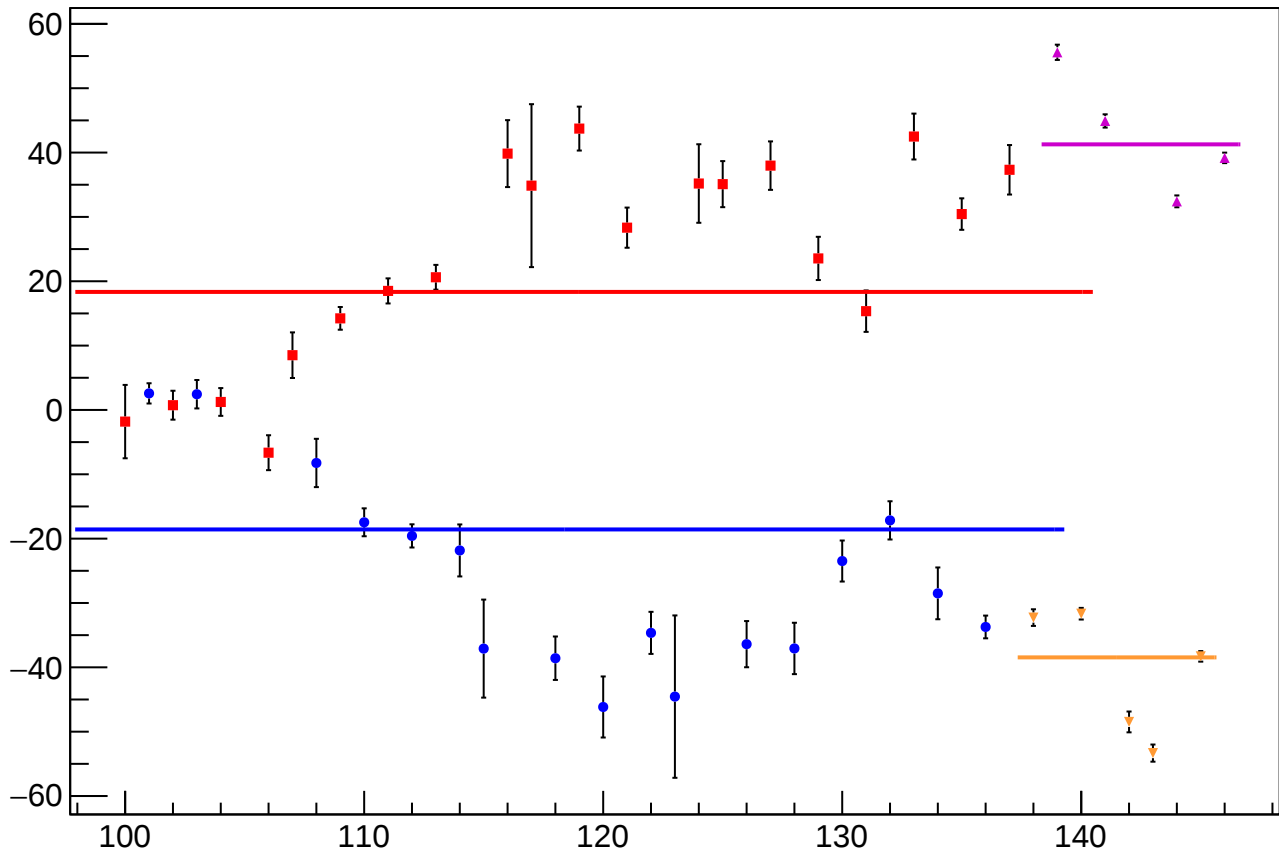
Left In: -31.141 ± 0.347 $\chi^2/\text{NDF}: 200.6/3$

33.492 ± 0.261 $\chi^2/\text{NDF}: 838.4/21$

0.045 ± 0.183 $\chi^2/\text{NDF}: 34018.2/45$

-32.068 ± 0.256 $\chi^2/\text{NDF}: 989.5/23$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -38.456 ± 0.485 χ^2/NDF : 242.1/4

Right Out: 18.343 ± 0.643 χ^2/NDF : 475.1/19

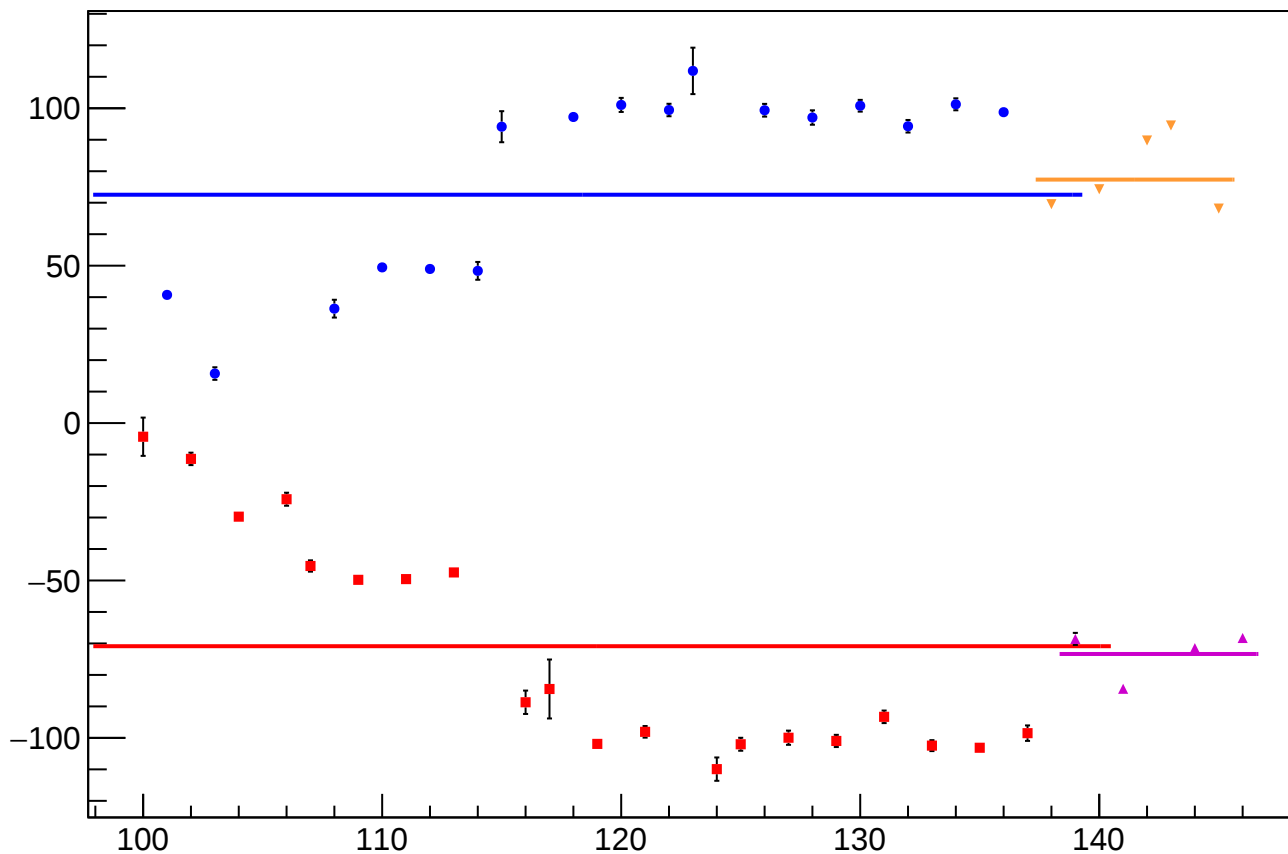
Left In: 41.275 ± 0.481 χ^2/NDF : 256.6/3

-31.584 ± 0.392 χ^2/NDF : 1334.4/21

1.359 ± 0.275 χ^2/NDF : 16712.8/45

33.057 ± 0.385 χ^2/NDF : 1547.8/23

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 77.343+/-0.428 χ^2/NDF : 591.4/4

Right Out: -70.878+/-0.433 χ^2/NDF : 5502.3/19

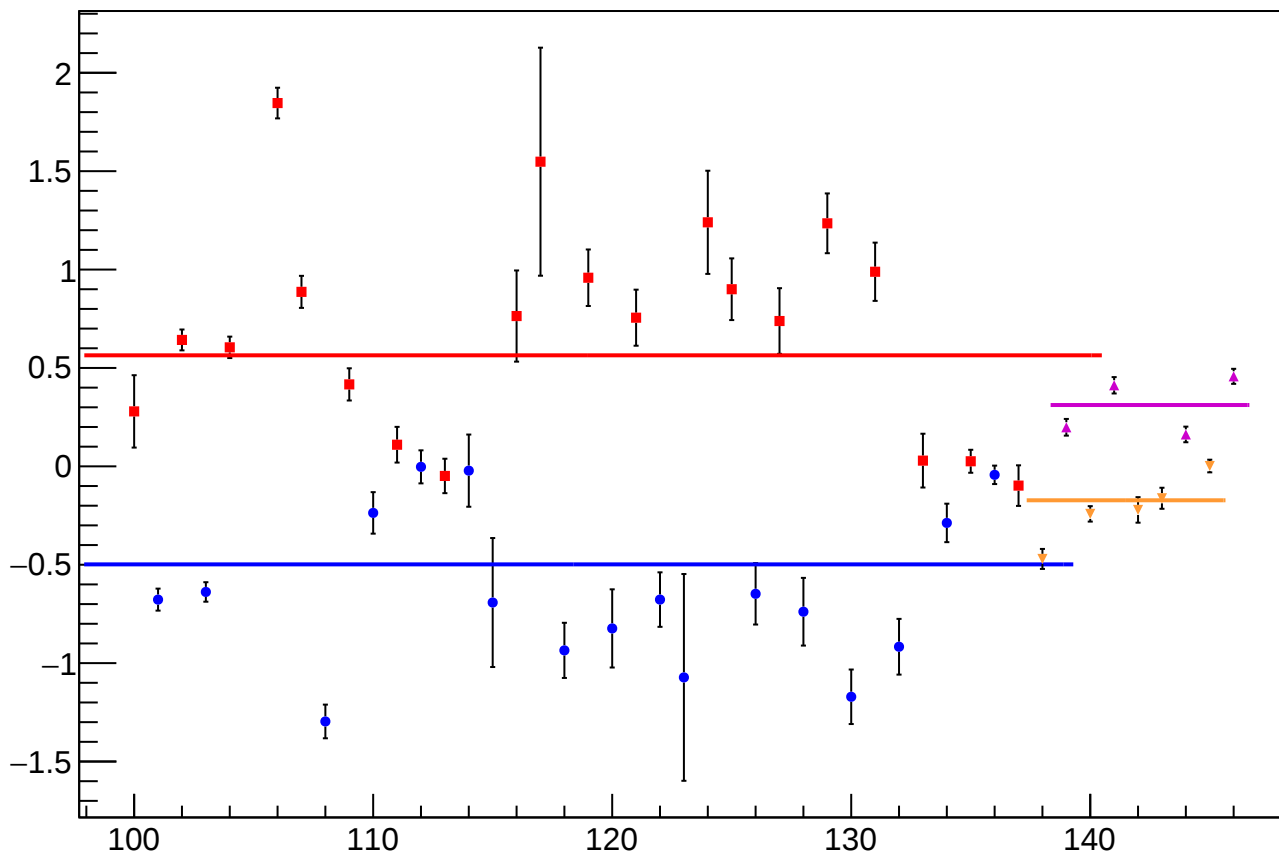
Left In: -73.349+/-0.416 χ^2/NDF : 245.4/3

74.939+/-0.303 χ^2/NDF : 5338.4/21

0.655+/-0.213 χ^2/NDF : 130217.6/45

-72.162+/-0.300 χ^2/NDF : 5764.7/23

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.173 ± 0.020 χ^2/NDF : 67.4/4

Right Out: 0.564 ± 0.021 χ^2/NDF : 563.6/19

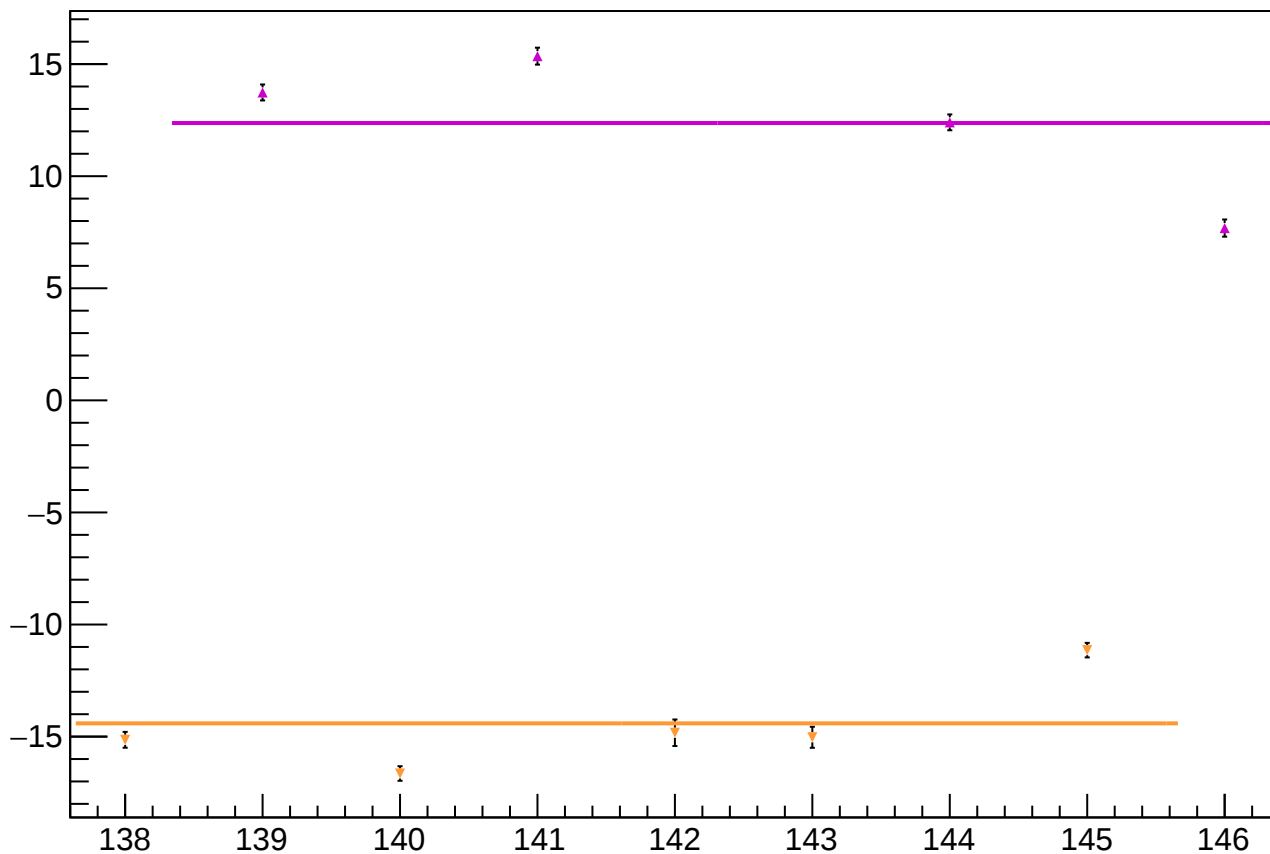
Left In: 0.312 ± 0.020 χ^2/NDF : 41.7/3

-0.315 ± 0.015 χ^2/NDF : 490.0/21

0.060 ± 0.010 χ^2/NDF : 2449.7/45

0.430 ± 0.015 χ^2/NDF : 679.0/23

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -14.409+/-0.171 χ^2/NDF : 155.0/4

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

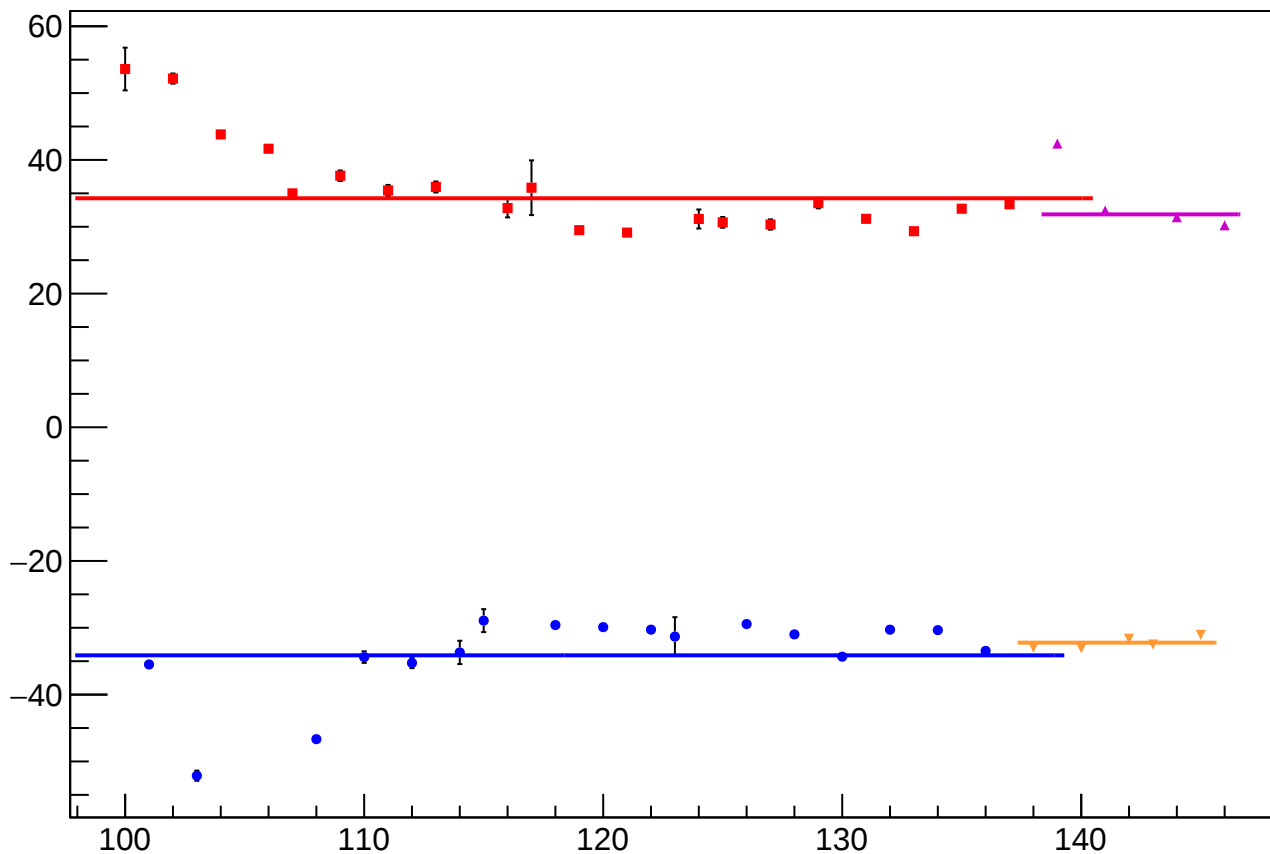
Left In: 12.372+/-0.183 χ^2/NDF : 226.5/3

-14.409+/-0.171 χ^2/NDF : 155.0/4

-1.980+/-0.125 χ^2/NDF : 11807.9/8

12.372+/-0.183 χ^2/NDF : 226.5/3

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -32.225 ± 0.139 χ^2/NDF : 35.8/4

Right Out: 34.262 ± 0.151 χ^2/NDF : 1355.1/19

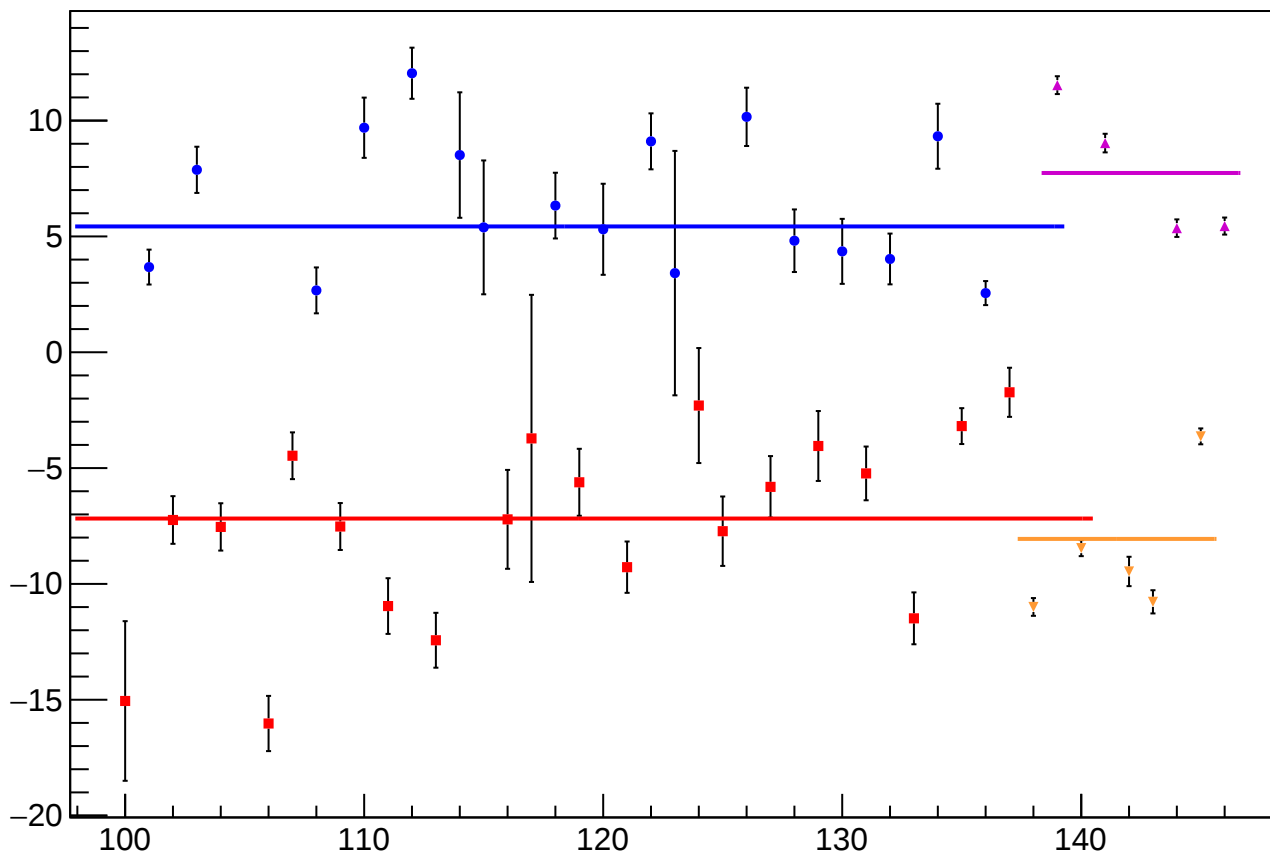
Left In: 31.854 ± 0.144 χ^2/NDF : 325.2/3

-33.089 ± 0.102 χ^2/NDF : 1443.3/21

-0.604 ± 0.073 χ^2/NDF : 207876.3/45

33.005 ± 0.104 χ^2/NDF : 1813.5/23

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -8.057 ± 0.182 $\chi^2/\text{NDF}: 260.8/4$

Right Out: -7.178 ± 0.274 $\chi^2/\text{NDF}: 182.4/19$

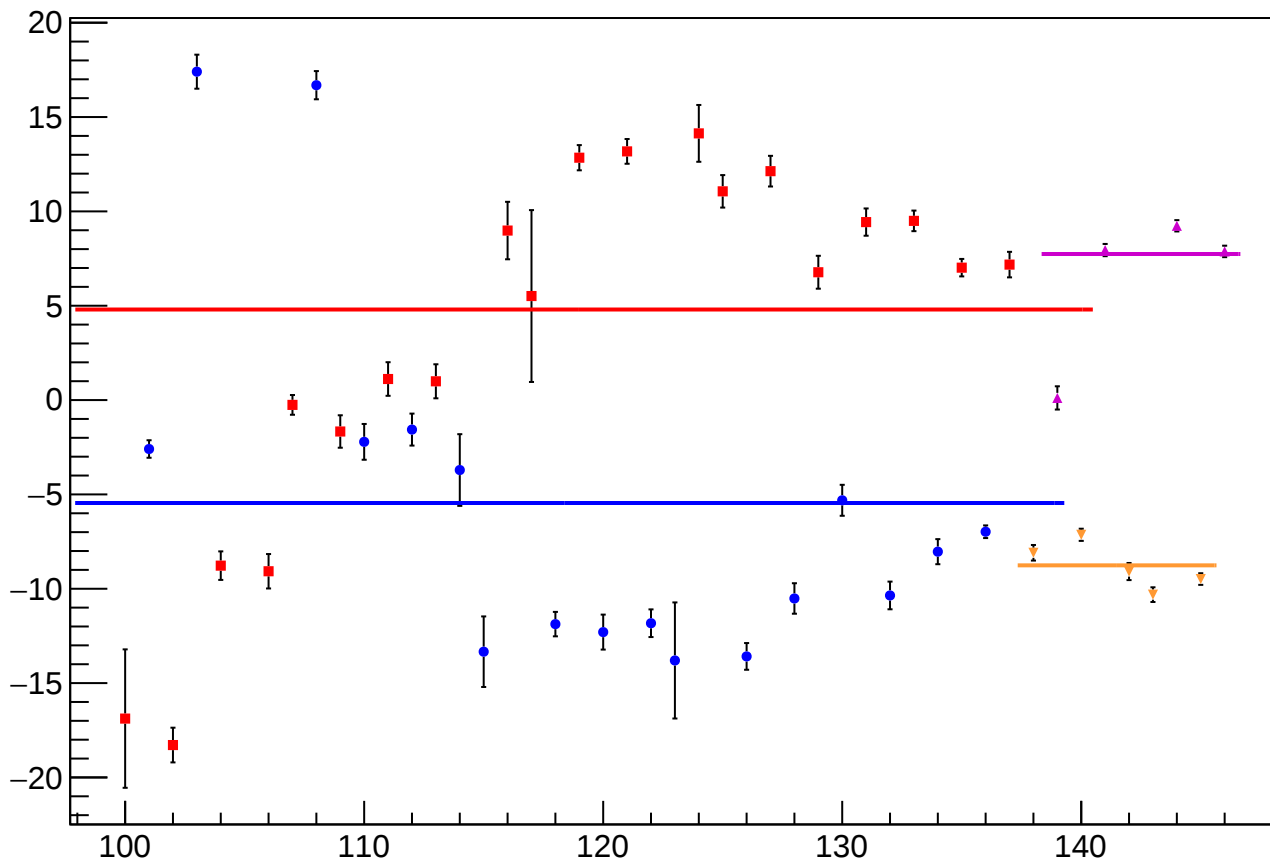
Left In: 7.739 ± 0.191 $\chi^2/\text{NDF}: 185.5/3$

-3.843 ± 0.151 $\chi^2/\text{NDF}: 2103.7/21$

-0.622 ± 0.109 $\chi^2/\text{NDF}: 5405.6/45$

2.851 ± 0.157 $\chi^2/\text{NDF}: 2358.1/23$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -8.760 ± 0.163 χ^2/NDF : 49.7/4

Right Out: 4.799 ± 0.173 χ^2/NDF : 2047.5/19

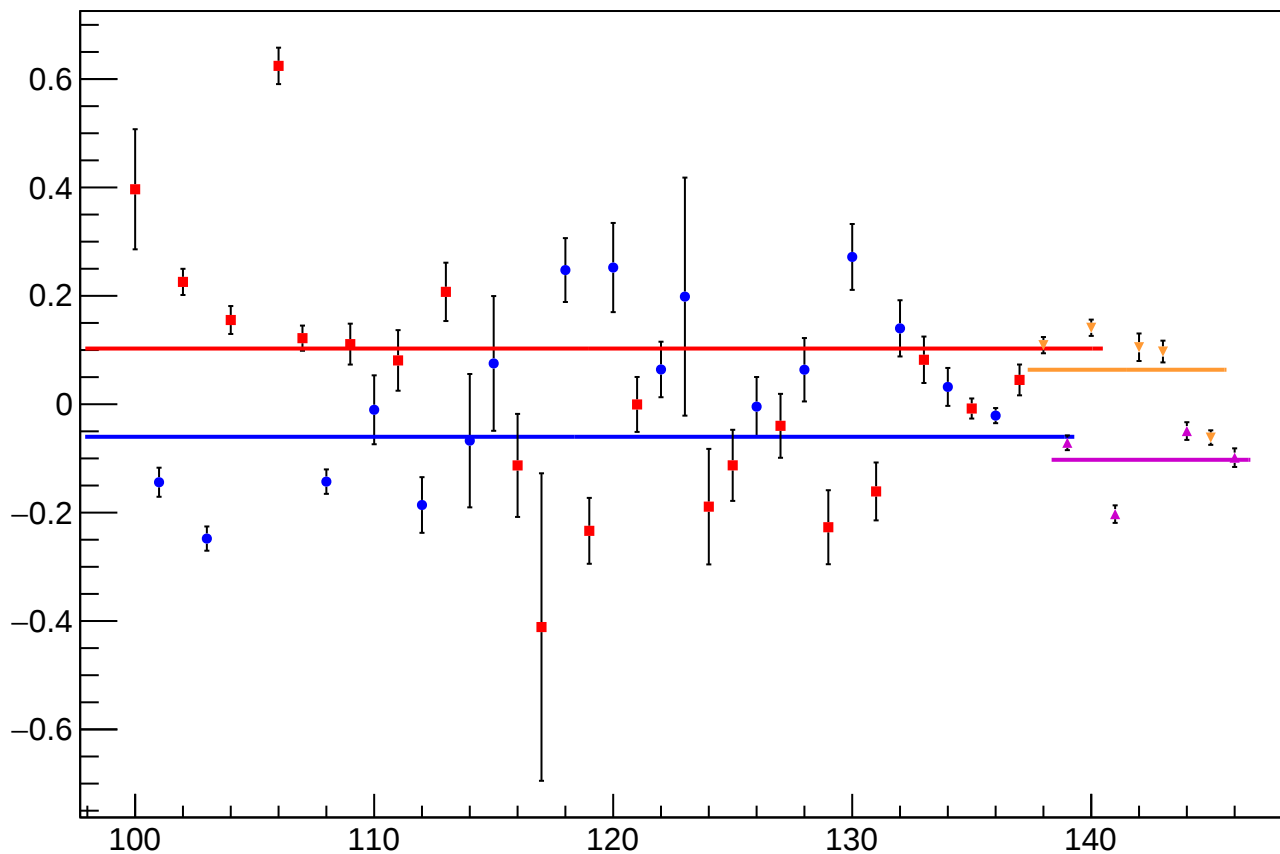
Left In: 7.741 ± 0.171 χ^2/NDF : 178.6/3

-7.180 ± 0.118 χ^2/NDF : 2341.6/21

-0.650 ± 0.085 χ^2/NDF : 11015.3/45

6.282 ± 0.122 χ^2/NDF : 2372.2/23

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.064 ± 0.007 χ^2/NDF : 127.9/4

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

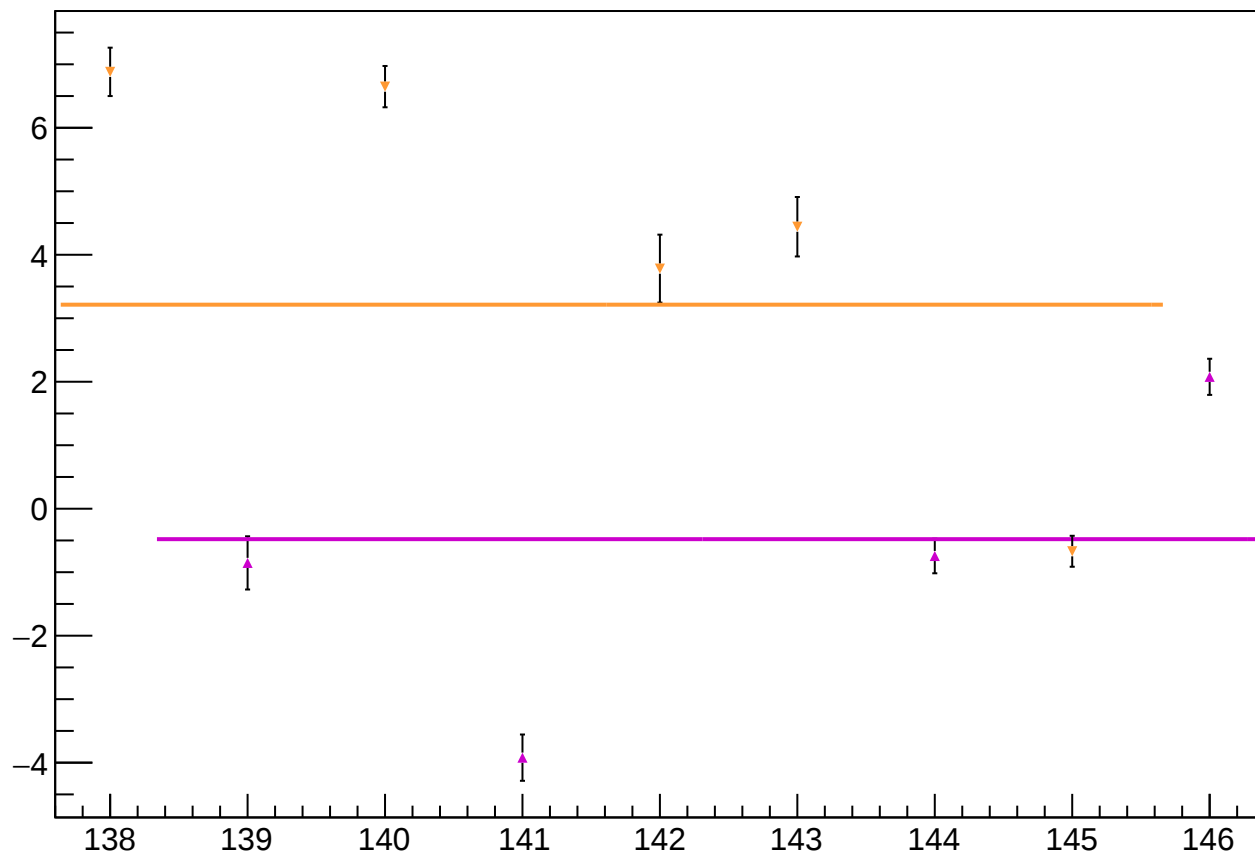
Left In: -0.103 ± 0.008 χ^2/NDF : 54.3/3

0.010 ± 0.006 χ^2/NDF : 465.9/21

0.001 ± 0.004 χ^2/NDF : 1281.3/45

-0.008 ± 0.006 χ^2/NDF : 810.5/23

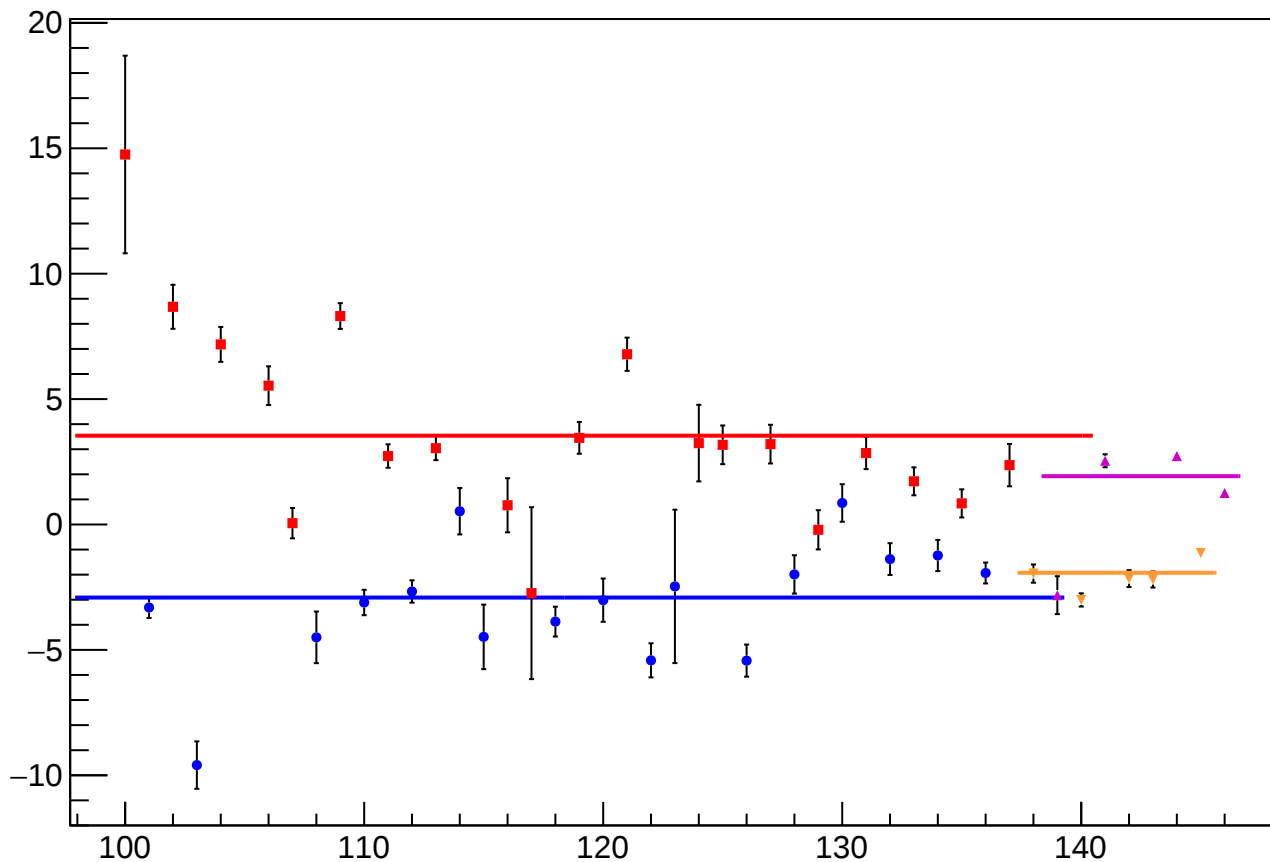
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.214 $\pm$ 0.156 χ^2 /NDF: 465.8/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.480 $\pm$ 0.160 χ^2 /NDF: 171.6/3

3.214 $\pm$ 0.156 χ^2 /NDF: 465.8/4
 1.417 $\pm$ 0.112 χ^2 /NDF: 910.8/8
 -0.480 $\pm$ 0.160 χ^2 /NDF: 171.6/3

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.925 ± 0.123 χ^2/NDF : 34.1/4

Right Out: 3.540 ± 0.154 χ^2/NDF : 294.2/19

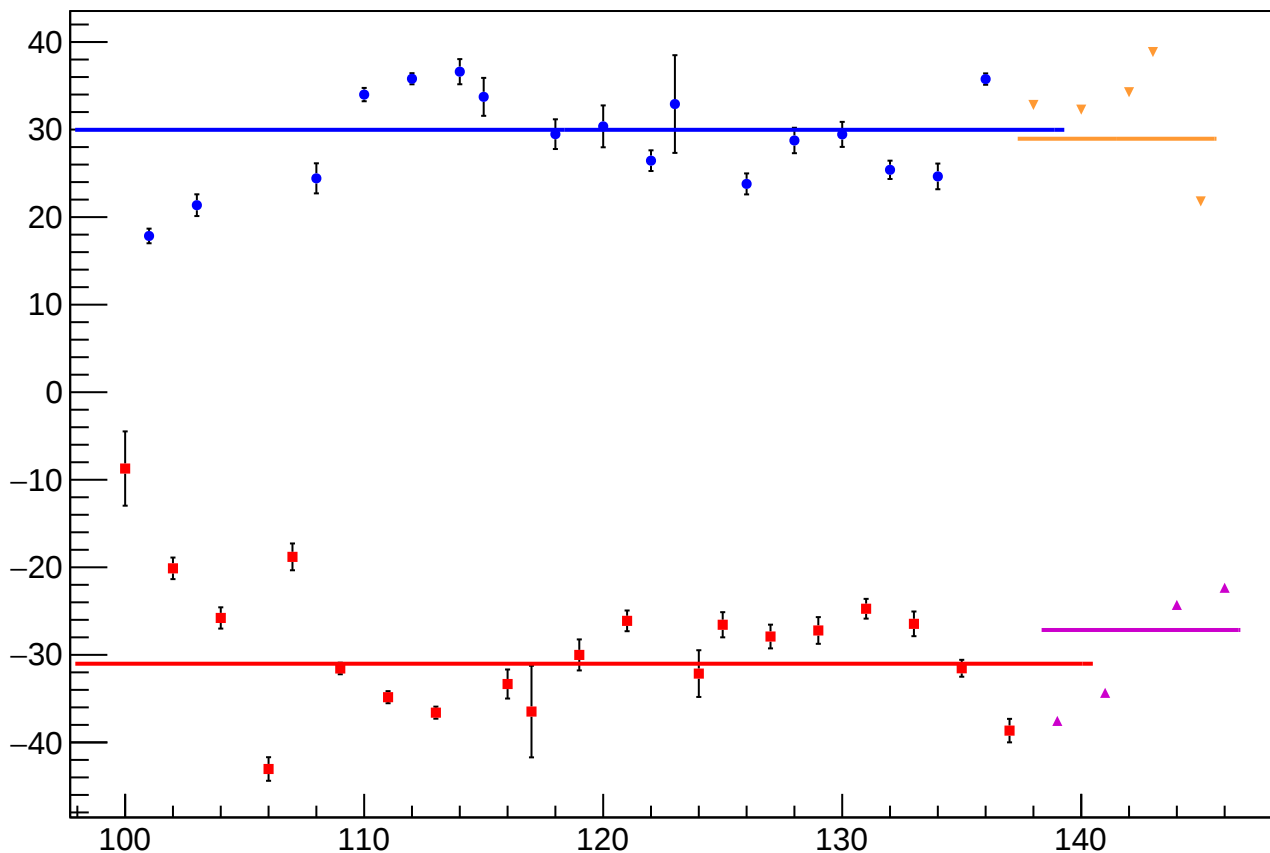
Left In: 1.926 ± 0.115 χ^2/NDF : 76.7/3

-2.307 ± 0.096 χ^2/NDF : 205.2/21

0.200 ± 0.067 χ^2/NDF : 1949.0/45

2.500 ± 0.092 χ^2/NDF : 441.3/23

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 $\pm$ 0.267 χ^2/NDF : 554.3/16

Left Out: 28.954 $\pm$ 0.166 χ^2/NDF : 1417.8/4

Right Out: -31.013 $\pm$ 0.260 χ^2/NDF : 480.6/19

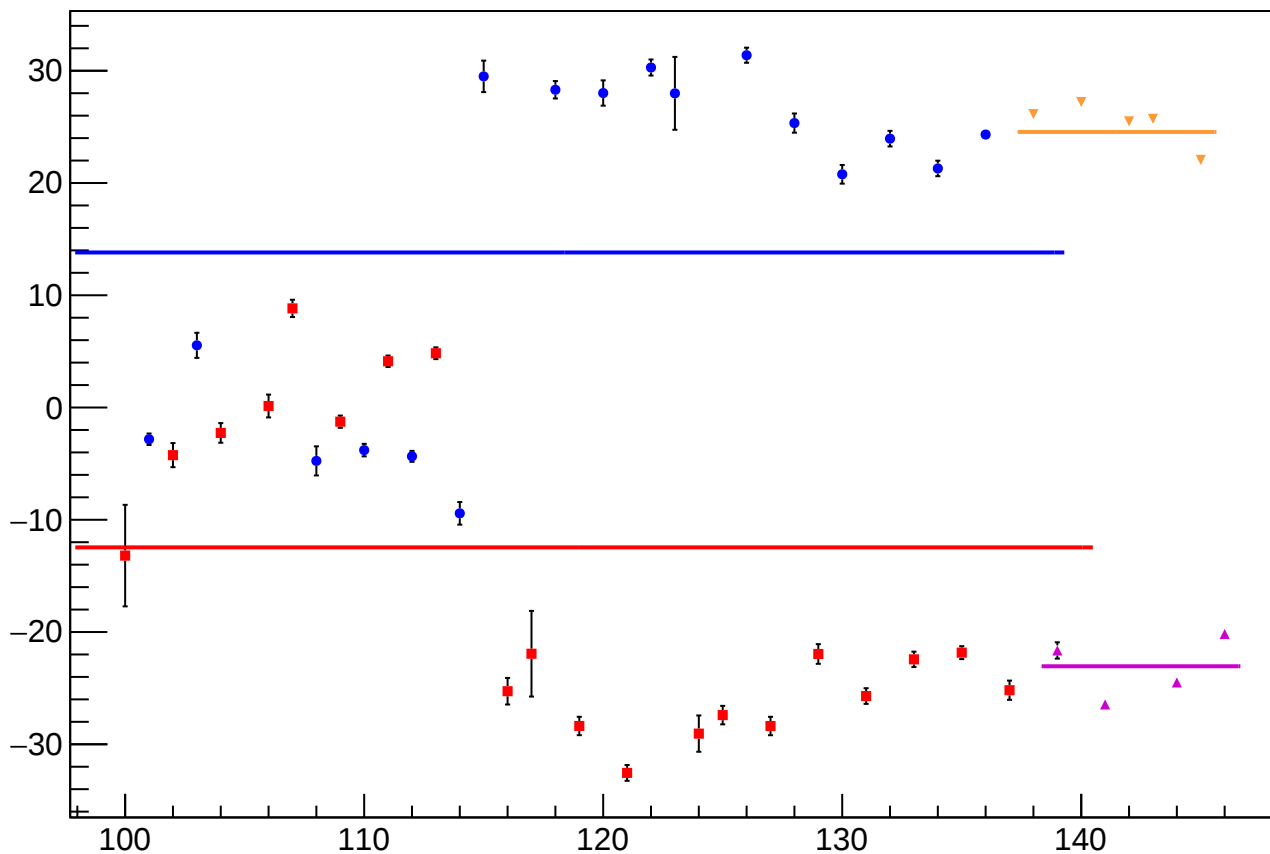
Left In: -27.159 $\pm$ 0.165 χ^2/NDF : 1275.1/3

29.238 $\pm$ 0.141 χ^2/NDF : 1982.6/21

0.096 $\pm$ 0.099 χ^2/NDF : 87828.5/45

-28.269 $\pm$ 0.139 χ^2/NDF : 1912.3/23

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813+/-0.173 χ^2/NDF : 7318.6/16

Left Out: 24.548+/-0.145 χ^2/NDF : 219.0/4

Right Out: -12.460+/-0.174 χ^2/NDF : 6976.5/19

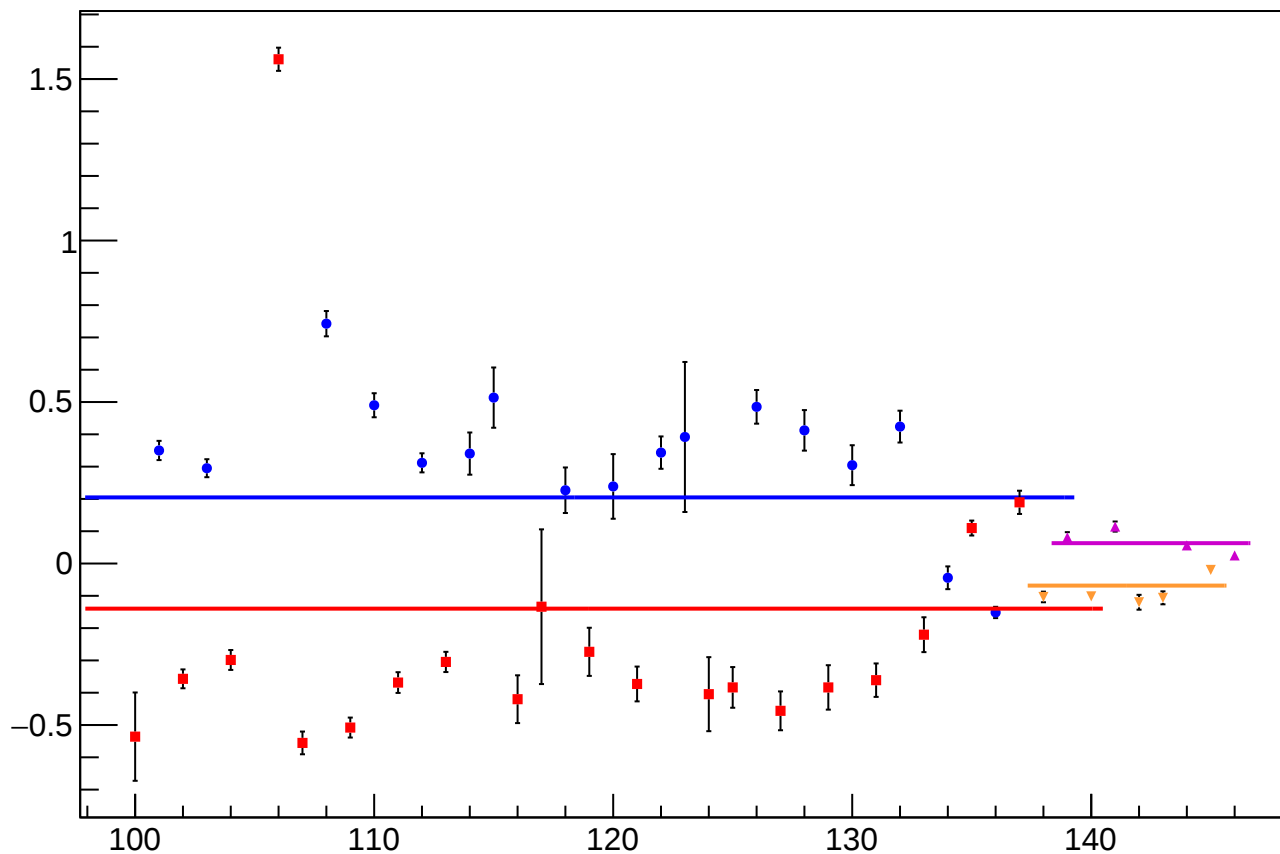
Left In: -23.051+/-0.139 χ^2/NDF : 332.1/3

20.108+/-0.111 χ^2/NDF : 9804.0/21

0.168+/-0.078 χ^2/NDF : 82453.1/45

-18.903+/-0.109 χ^2/NDF : 9574.2/23

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.068 ± 0.007 χ^2/NDF : 40.8/4

Right Out: -0.140 ± 0.009 χ^2/NDF : 3014.2/19

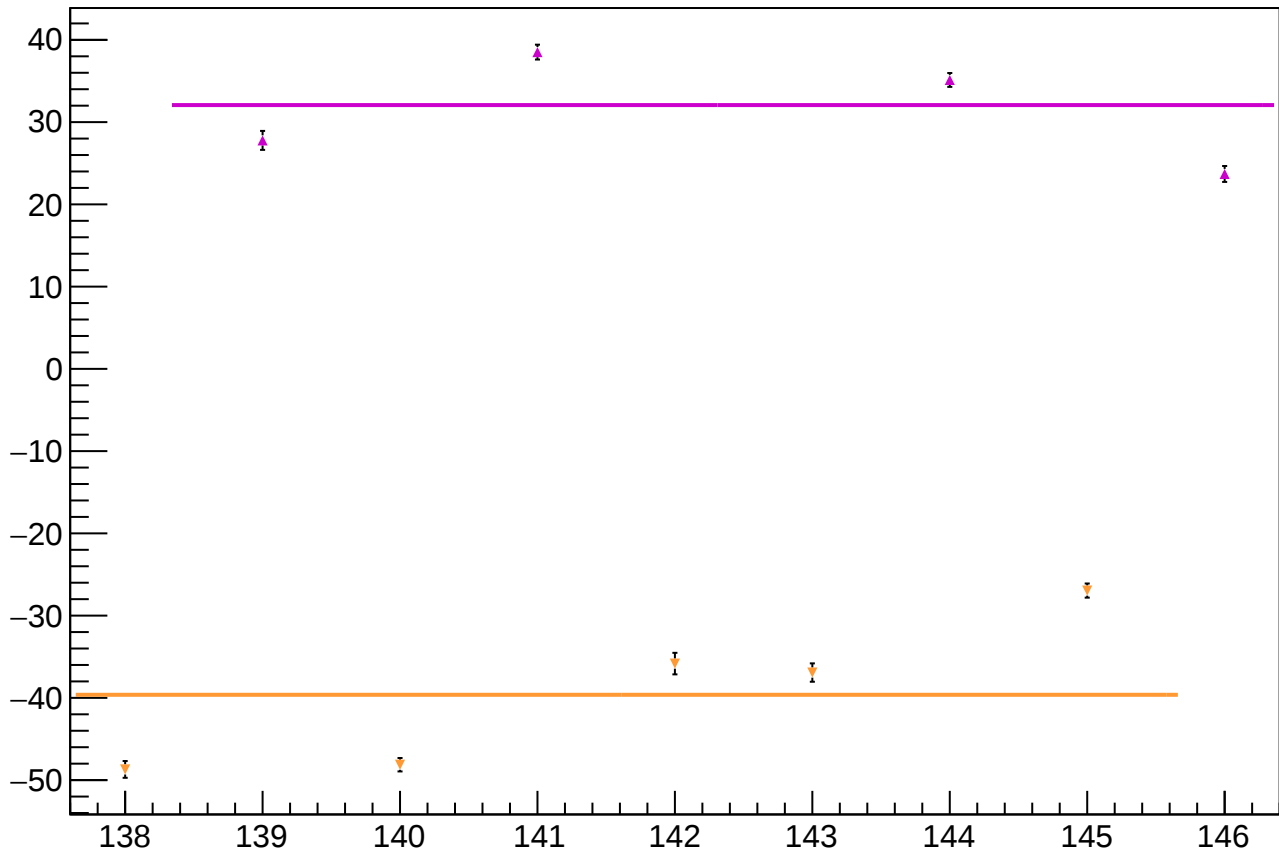
Left In: 0.063 ± 0.007 χ^2/NDF : 21.3/3

0.024 ± 0.005 χ^2/NDF : 1446.8/21

0.007 ± 0.004 χ^2/NDF : 4810.9/45

-0.011 ± 0.006 χ^2/NDF : 3343.5/23

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -39.626+/-0.439 χ^2/NDF : 418.7/4

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

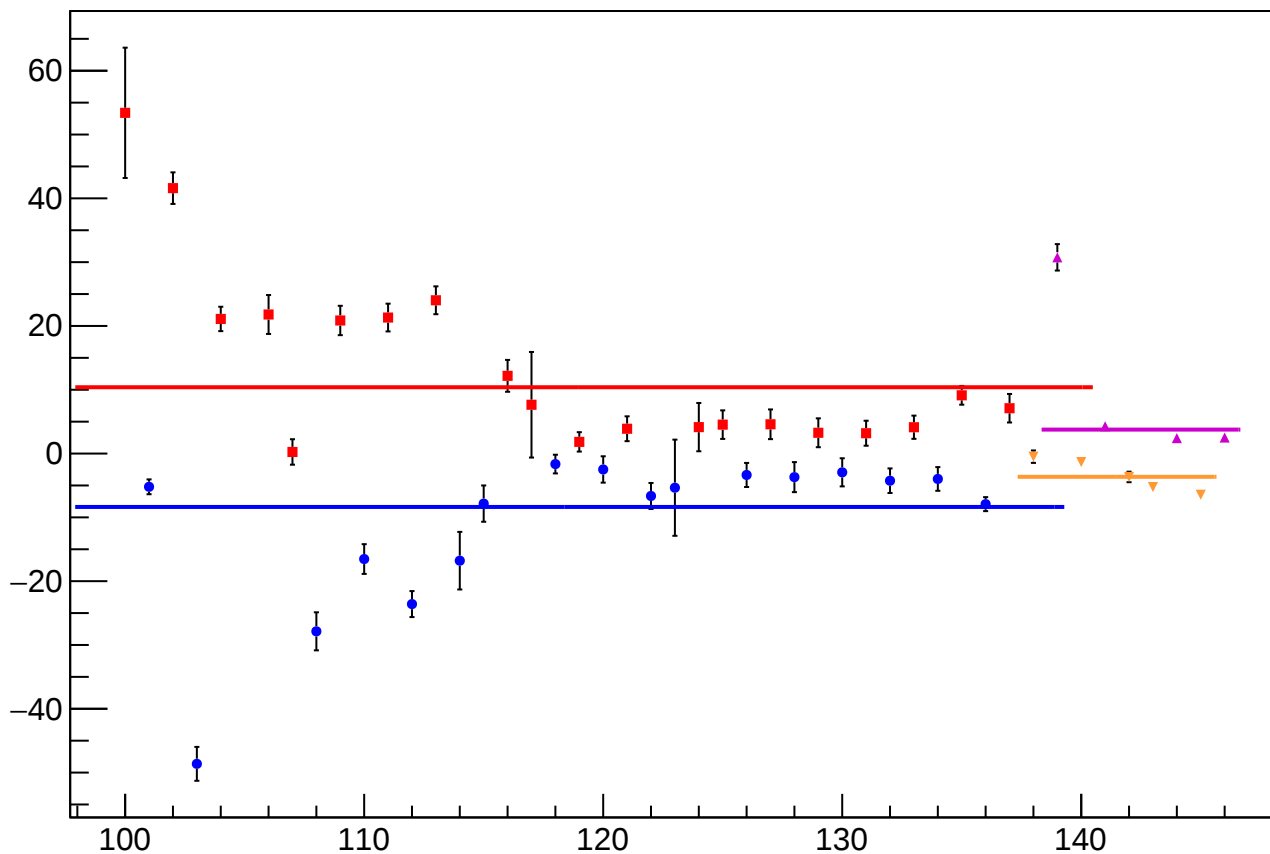
Left In: 32.072+/-0.474 χ^2/NDF : 152.7/3

-39.626+/-0.439 χ^2/NDF : 418.7/4

-6.556+/-0.322 χ^2/NDF : 12896.0/8

32.072+/-0.474 χ^2/NDF : 152.7/3

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -3.642 ± 0.341 χ^2/NDF : 43.4/4

Right Out: 10.396 ± 0.490 χ^2/NDF : 430.4/19

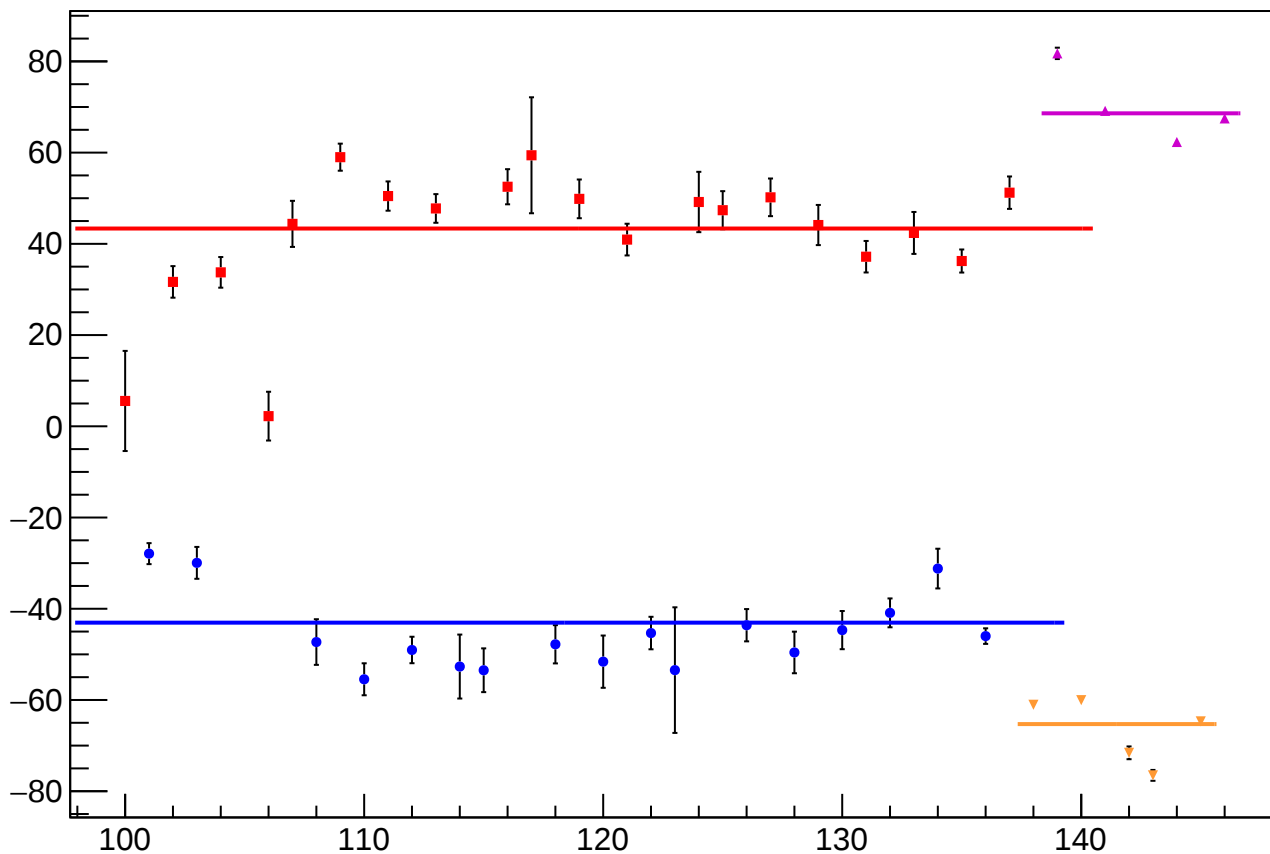
Left In: 3.757 ± 0.342 χ^2/NDF : 180.4/3

-5.293 ± 0.275 χ^2/NDF : 519.1/21

0.216 ± 0.197 χ^2/NDF : 2068.3/45

5.931 ± 0.281 χ^2/NDF : 734.2/23

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$

Left Out: -65.284 ± 0.469 $\chi^2/\text{NDF}: 160.8/4$

Right Out: 43.357 ± 0.865 $\chi^2/\text{NDF}: 156.0/19$

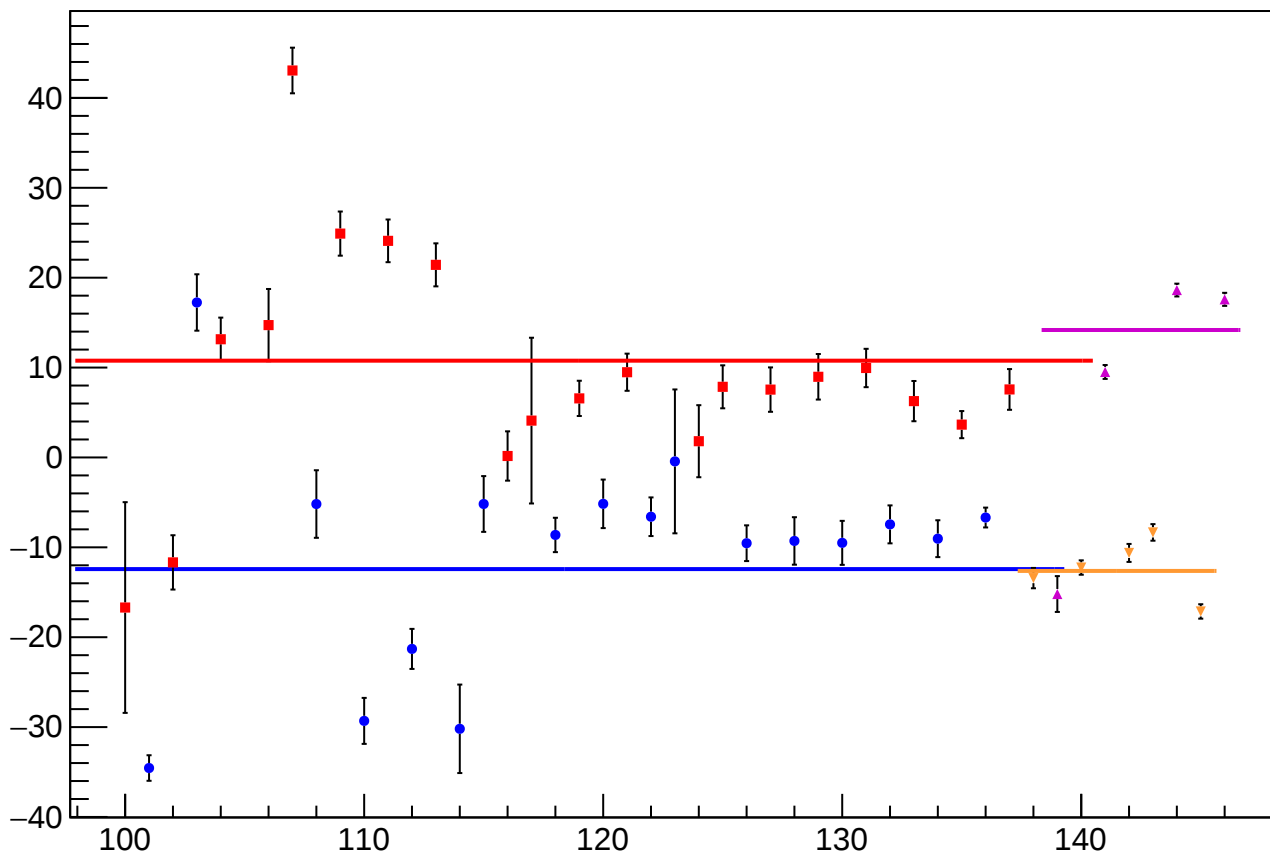
Left In: 68.613 ± 0.493 $\chi^2/\text{NDF}: 161.0/3$

-59.978 ± 0.409 $\chi^2/\text{NDF}: 796.8/21$

-1.593 ± 0.296 $\chi^2/\text{NDF}: 44484.0/45$

62.425 ± 0.428 $\chi^2/\text{NDF}: 960.4/23$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -12.625 ± 0.406 χ^2/NDF : 57.8/4

Right Out: 10.766 ± 0.553 χ^2/NDF : 366.3/19

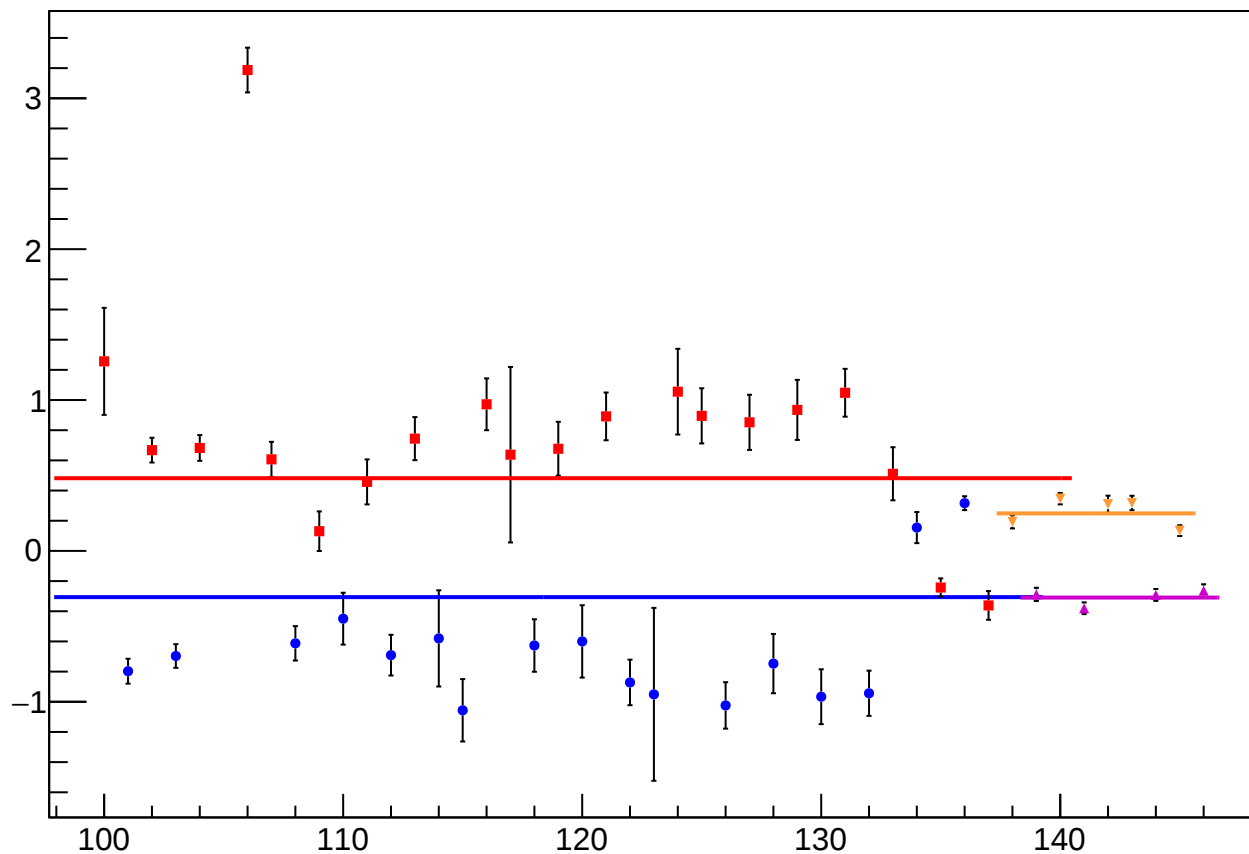
Left In: 14.180 ± 0.416 χ^2/NDF : 314.6/3

-12.548 ± 0.321 χ^2/NDF : 532.3/21

-0.250 ± 0.231 χ^2/NDF : 4285.8/45

12.947 ± 0.332 χ^2/NDF : 705.3/23

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.249 ± 0.019 χ^2/NDF : 21.6/4

Right Out: 0.482 ± 0.029 χ^2/NDF : 628.3/19

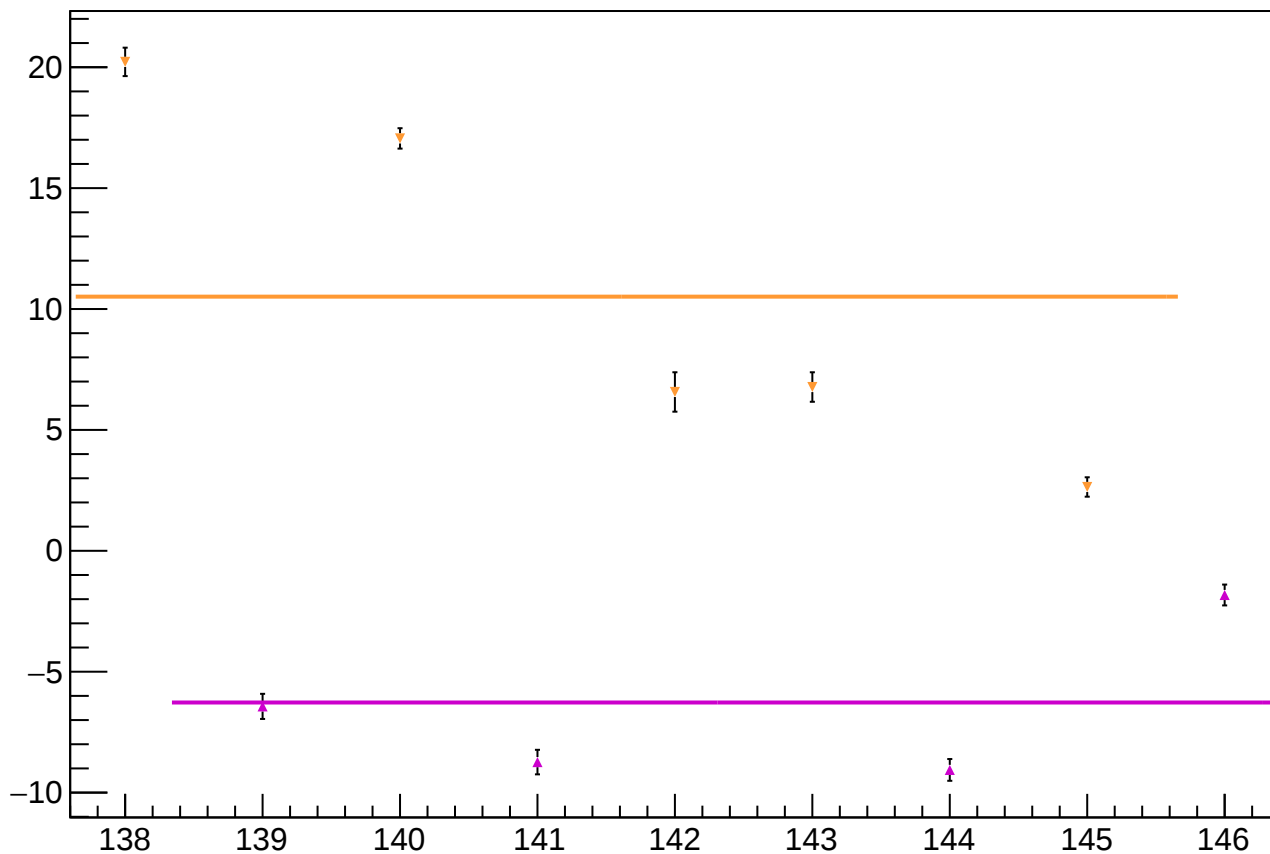
Left In: -0.309 ± 0.021 χ^2/NDF : 4.9/3

0.069 ± 0.016 χ^2/NDF : 667.1/21

0.018 ± 0.011 χ^2/NDF : 1828.2/45

-0.040 ± 0.017 χ^2/NDF : 1138.8/23

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 10.512+/-0.230 χ^2/NDF : 959.0/4

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

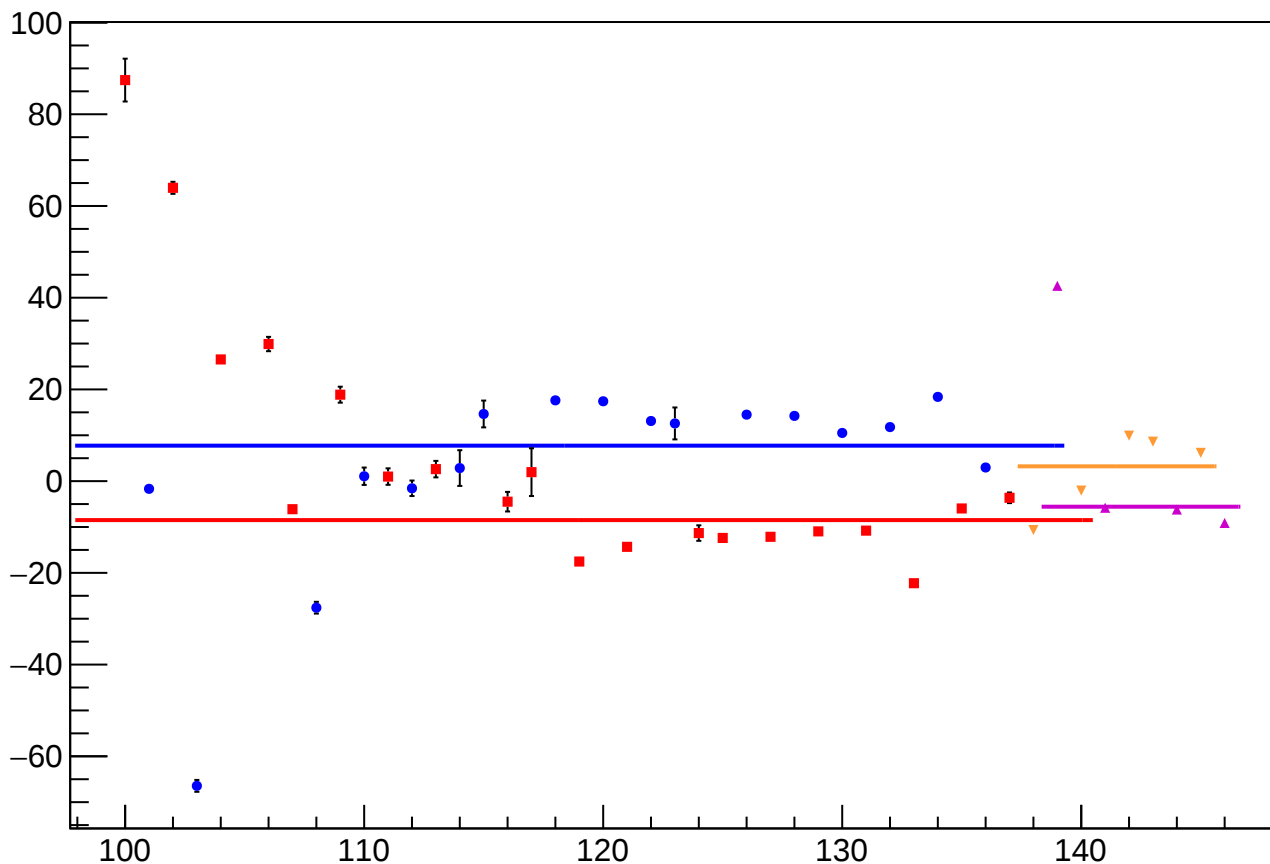
Left In: -6.274+/-0.236 χ^2/NDF : 168.3/3

10.512+/-0.230 χ^2/NDF : 959.0/4

2.349+/-0.165 χ^2/NDF : 3717.8/8

-6.274+/-0.236 χ^2/NDF : 168.3/3

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 ± 0.218 $\chi^2/\text{NDF}: 5300.6/16$

Left Out: 3.229 ± 0.184 $\chi^2/\text{NDF}: 1181.1/4$

Right Out: -8.496 ± 0.213 $\chi^2/\text{NDF}: 6723.5/19$

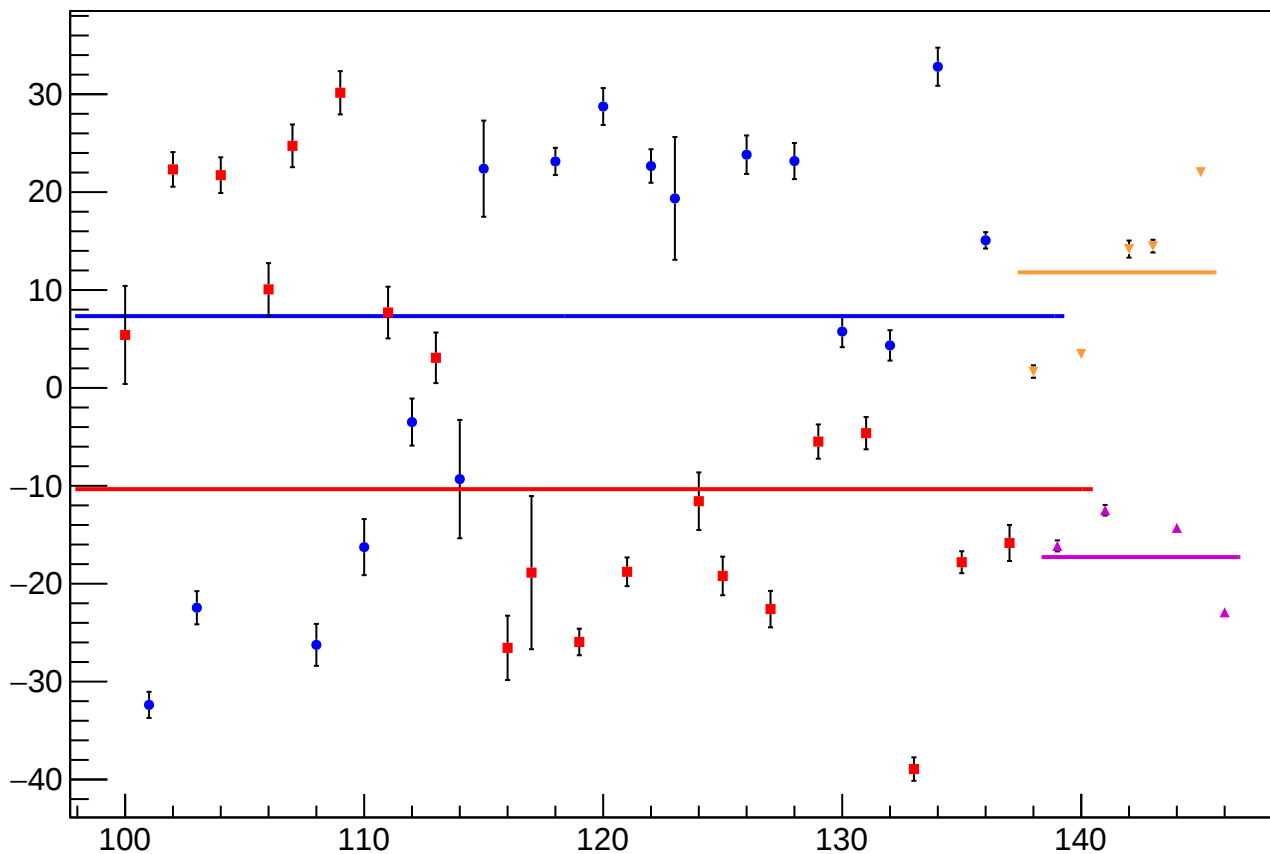
Left In: -5.575 ± 0.179 $\chi^2/\text{NDF}: 2767.3/3$

5.103 ± 0.141 $\chi^2/\text{NDF}: 6731.4/21$

-0.998 ± 0.098 $\chi^2/\text{NDF}: 20000.1/45$

-6.781 ± 0.137 $\chi^2/\text{NDF}: 9601.2/23$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 11.803 ± 0.245 χ^2/NDF : 1200.9/4

Right Out: -10.342 ± 0.416 χ^2/NDF : 2282.7/19

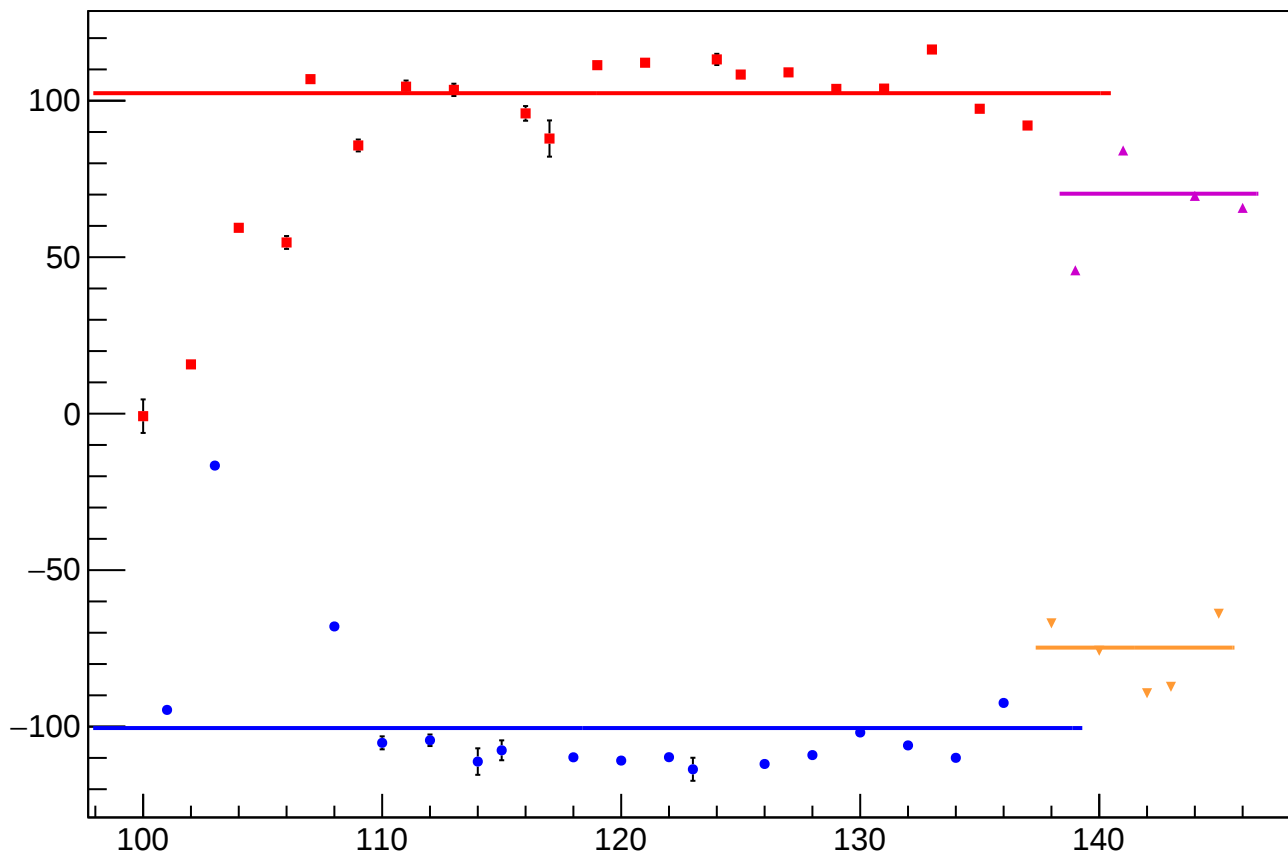
Left In: -17.281 ± 0.245 χ^2/NDF : 306.3/3

10.660 ± 0.212 χ^2/NDF : 3578.9/21

-2.467 ± 0.149 χ^2/NDF : 14042.9/45

-15.501 ± 0.211 χ^2/NDF : 2795.6/23

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -74.755 ± 0.217 χ^2/NDF : 2106.8/4

Right Out: 102.405 ± 0.246 χ^2/NDF : 6100.6/19

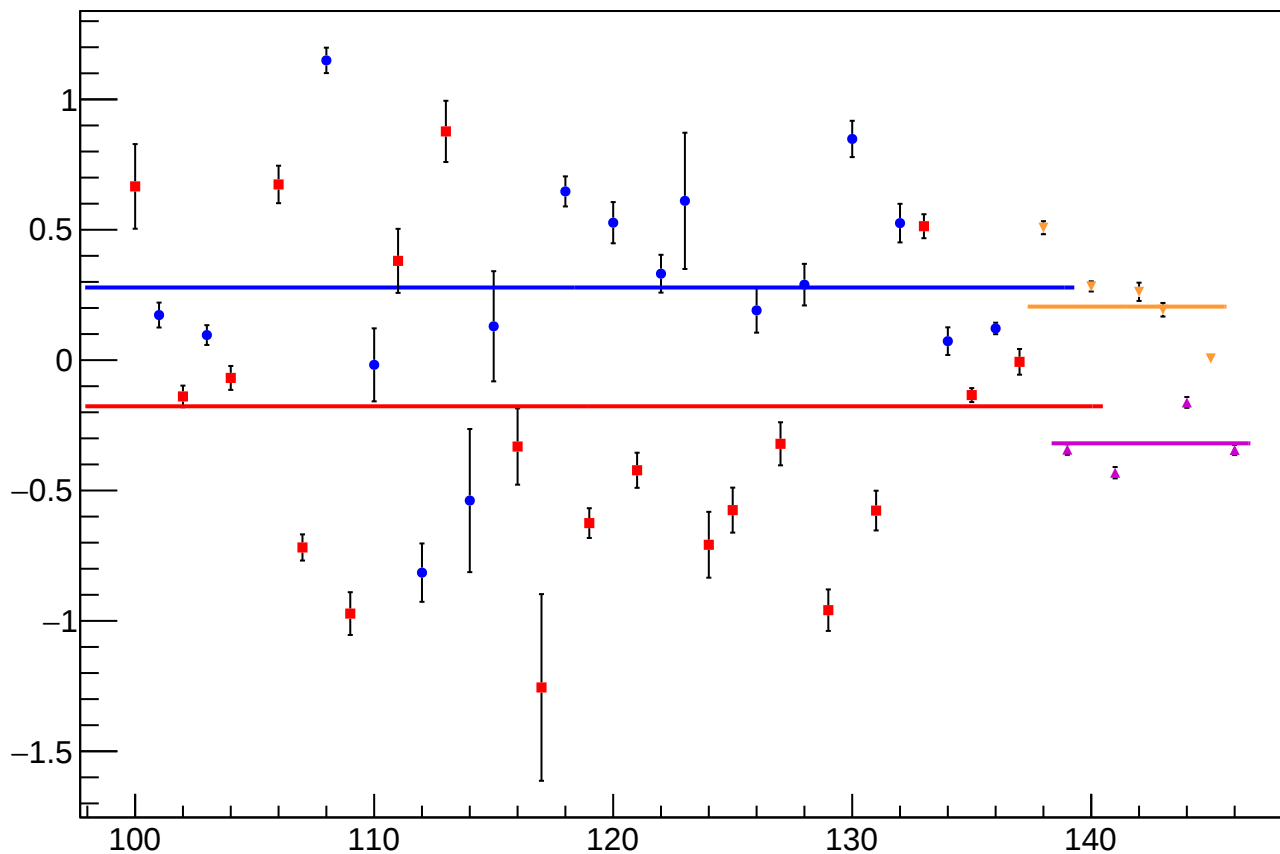
Left In: 70.285 ± 0.214 χ^2/NDF : 1904.2/3

-85.770 ± 0.164 χ^2/NDF : 12572.1/21

0.552 ± 0.115 χ^2/NDF : 574563.4/45

84.128 ± 0.162 χ^2/NDF : 17702.7/23

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 $\pm$ 0.014 χ^2/NDF : 653.9/16

Left Out: 0.231 $\pm$ 0.010 χ^2/NDF : 307.3/4

Right Out: -0.177 $\pm$ 0.013 χ^2/NDF : 976.8/19

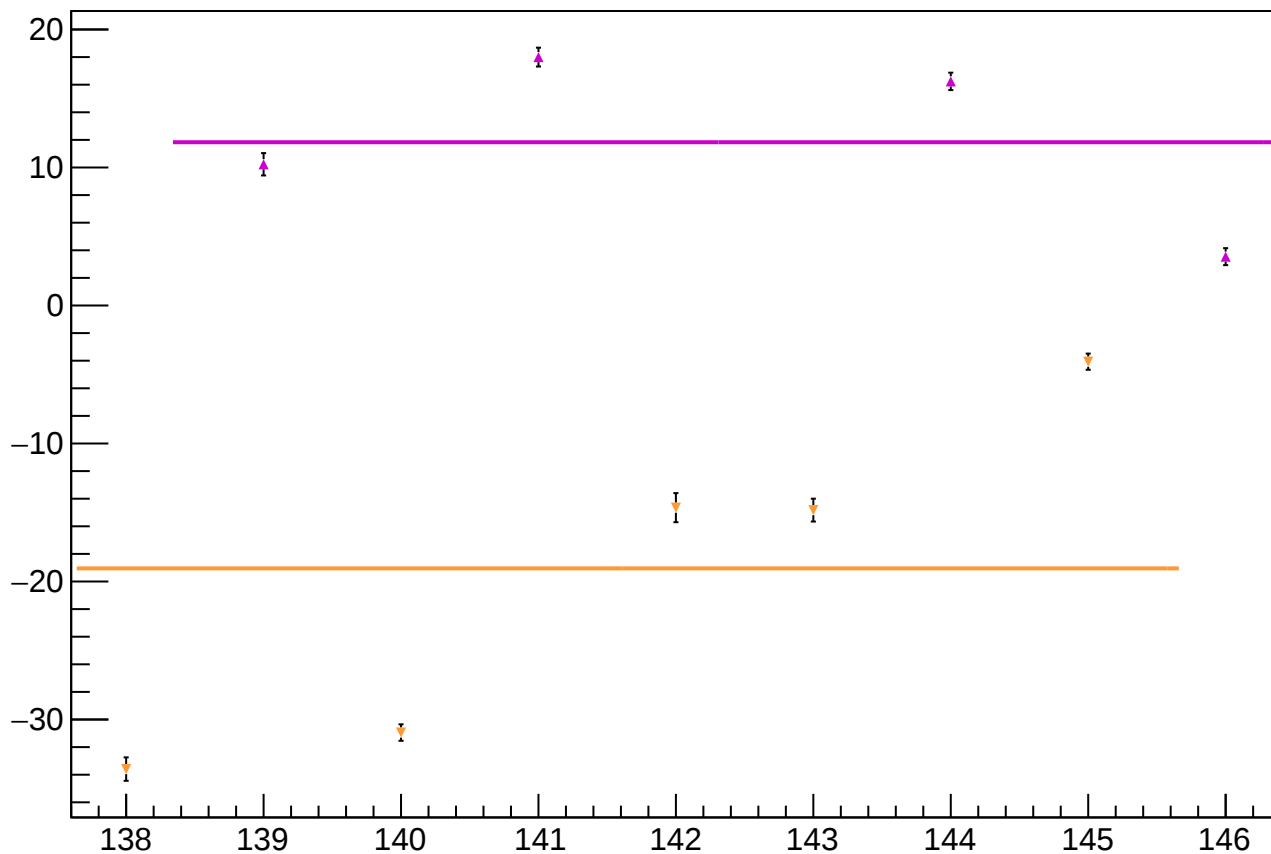
Left In: -0.319 $\pm$ 0.010 χ^2/NDF : 87.2/3

0.231 $\pm$ 0.008 χ^2/NDF : 980.3/21

-0.014 $\pm$ 0.006 χ^2/NDF : 4016.4/45

-0.267 $\pm$ 0.008 χ^2/NDF : 1134.6/23

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -19.050+/-0.325 χ^2/NDF : 1386.8/4

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

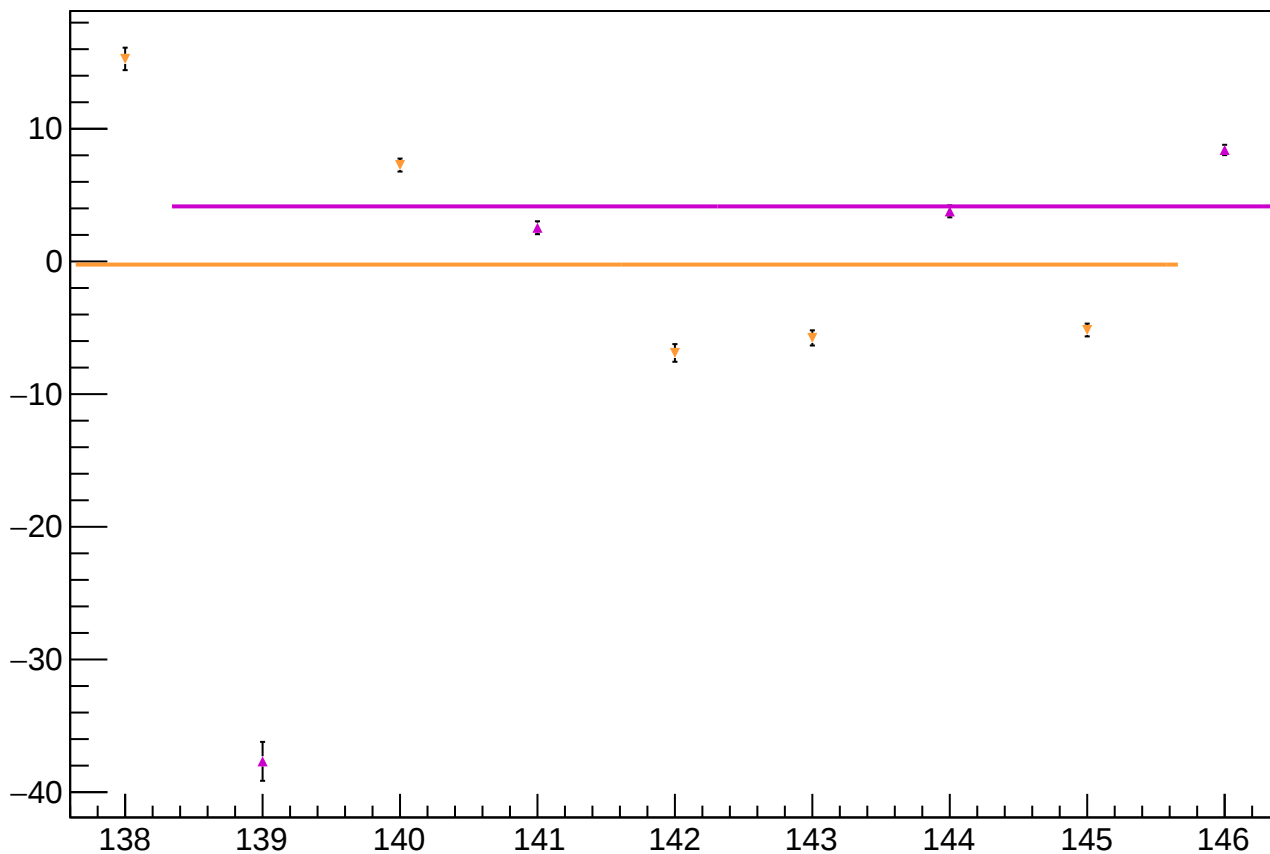
Left In: 11.830+/-0.337 χ^2/NDF : 315.9/3

-19.050+/-0.325 χ^2/NDF : 1386.8/4

-4.147+/-0.234 χ^2/NDF : 6058.0/8

11.830+/-0.337 χ^2/NDF : 315.9/3

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -0.236+/-0.257 χ^2/NDF : 867.8/4

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

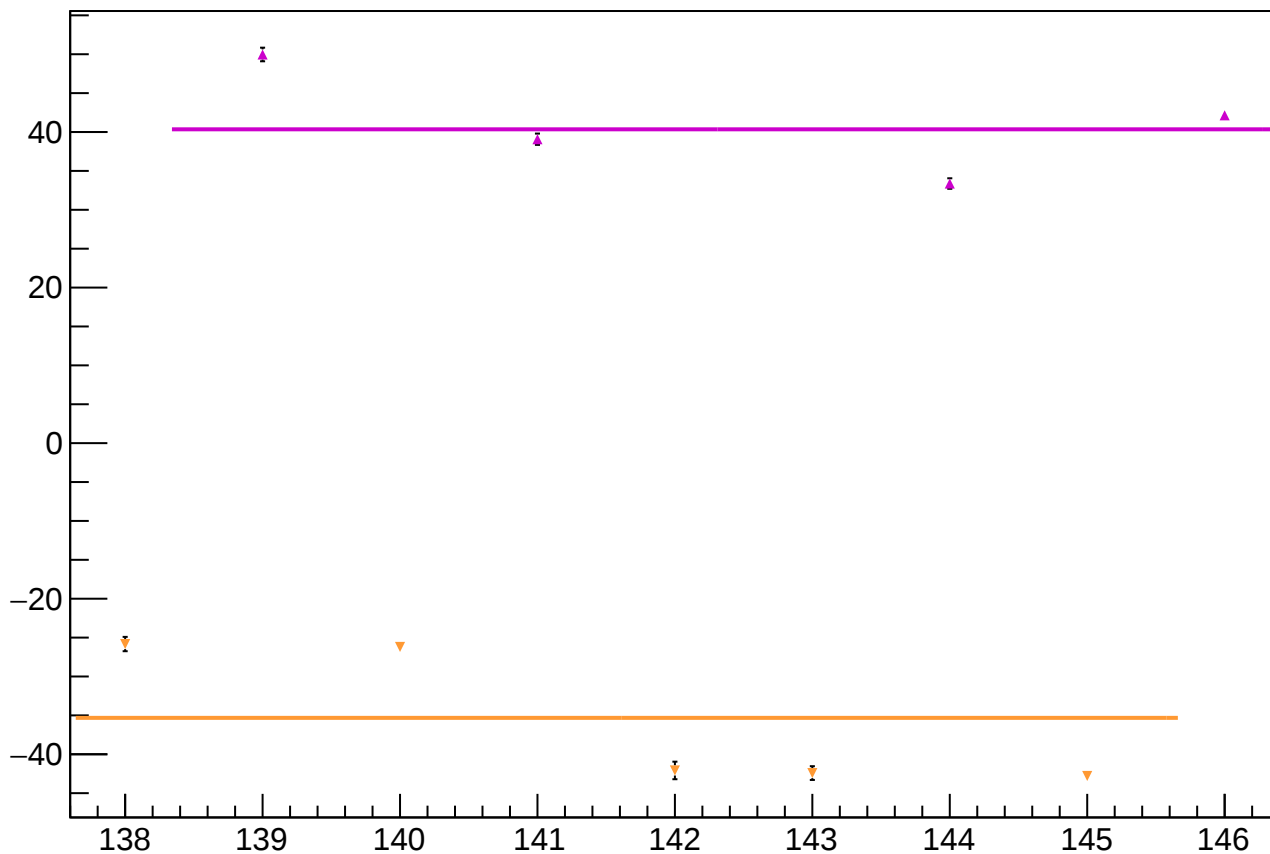
Left In: 4.151+/-0.248 χ^2/NDF : 944.3/3

-0.236+/-0.257 χ^2/NDF : 867.8/4

2.029+/-0.179 χ^2/NDF : 1962.8/8

4.151+/-0.248 χ^2/NDF : 944.3/3

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -35.318+/-0.347 χ^2/NDF : 558.0/4

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

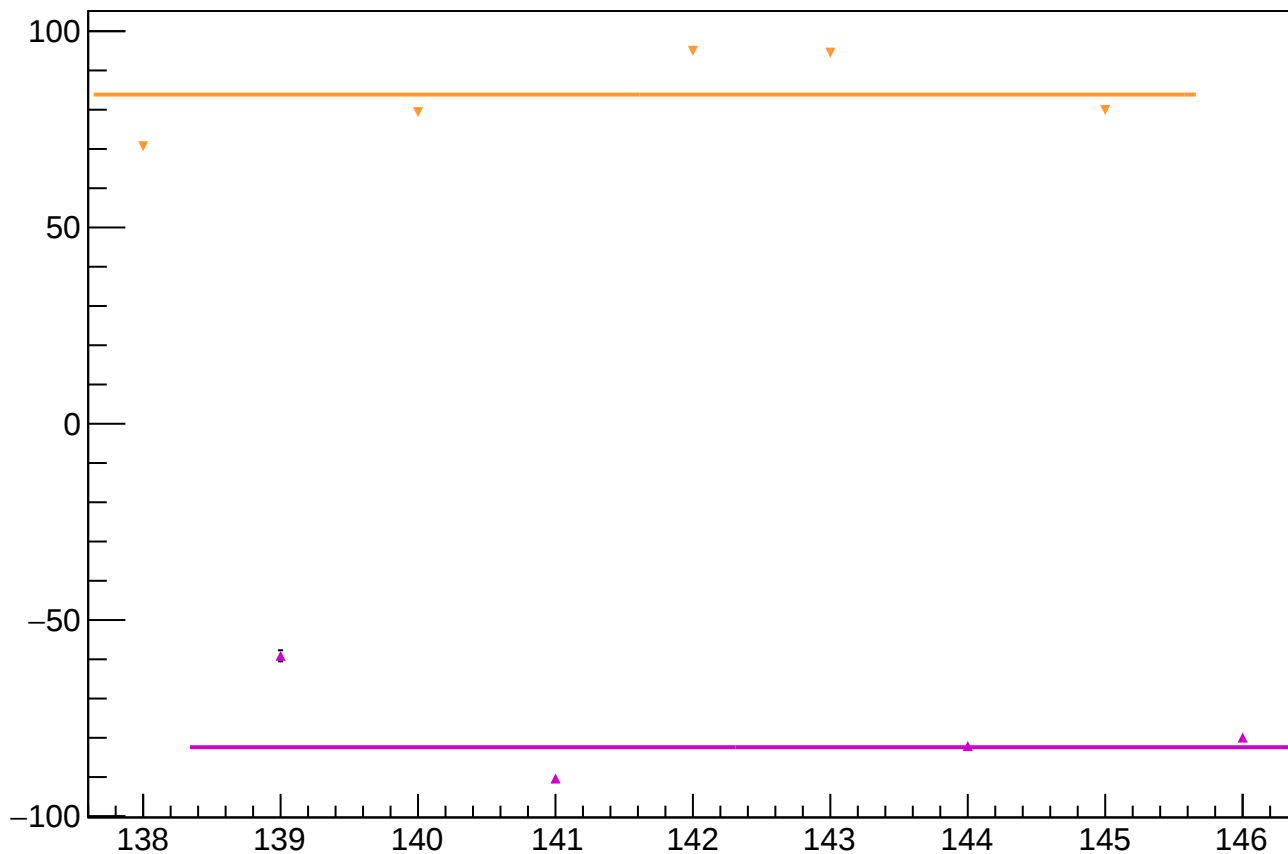
Left In: 40.347+/-0.348 χ^2/NDF : 239.5/3

-35.318+/-0.347 χ^2/NDF : 558.0/4

2.356+/-0.246 χ^2/NDF : 24526.4/8

40.347+/-0.348 χ^2/NDF : 239.5/3

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 83.860+/-0.304 χ^2/NDF : 723.9/4

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

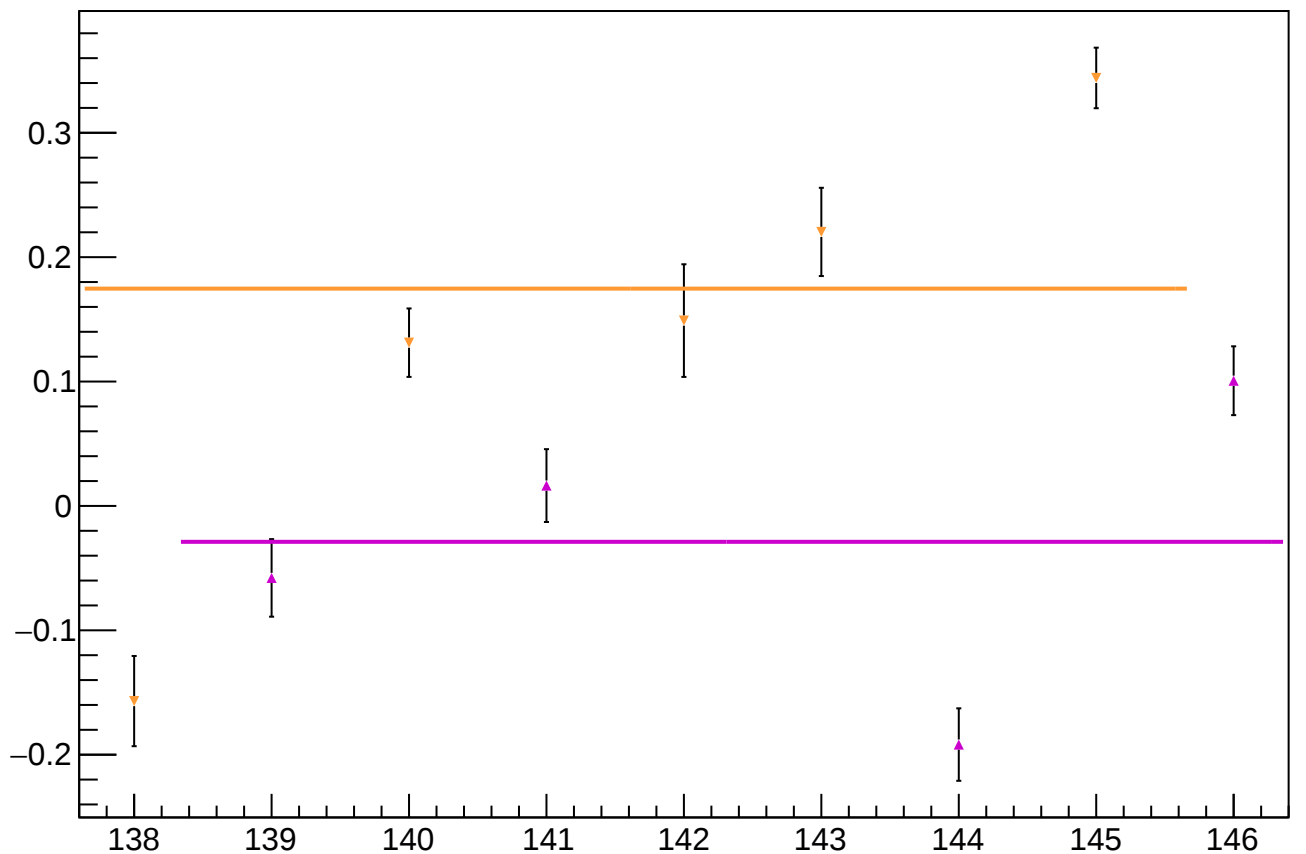
Left In: -82.400+/-0.299 χ^2/NDF : 483.1/3

83.860+/-0.304 χ^2/NDF : 723.9/4

-0.566+/-0.213 χ^2/NDF : 153262.2/8

-82.400+/-0.299 χ^2/NDF : 483.1/3

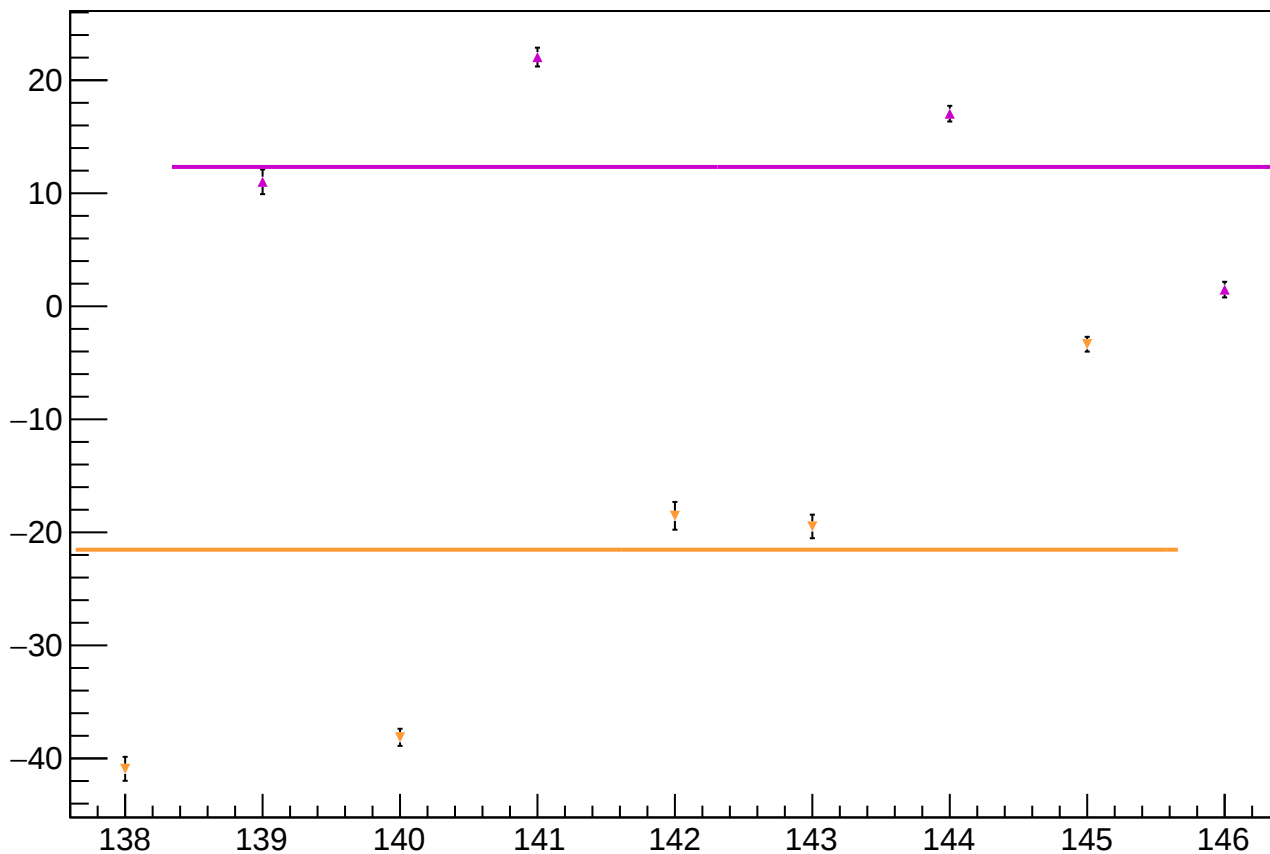
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.175 $\pm$ 0.014 χ^2 /NDF:136.5/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.029 $\pm$ 0.015 χ^2 /NDF:56.5/3

0.175 $\pm$ 0.014 χ^2 /NDF: 136.5/4
 0.077 $\pm$ 0.010 χ^2 /NDF: 293.6/8
 -0.029 $\pm$ 0.015 χ^2 /NDF: 56.5/3

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -21.536+/-0.391 χ^2/NDF : 1597.0/4

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

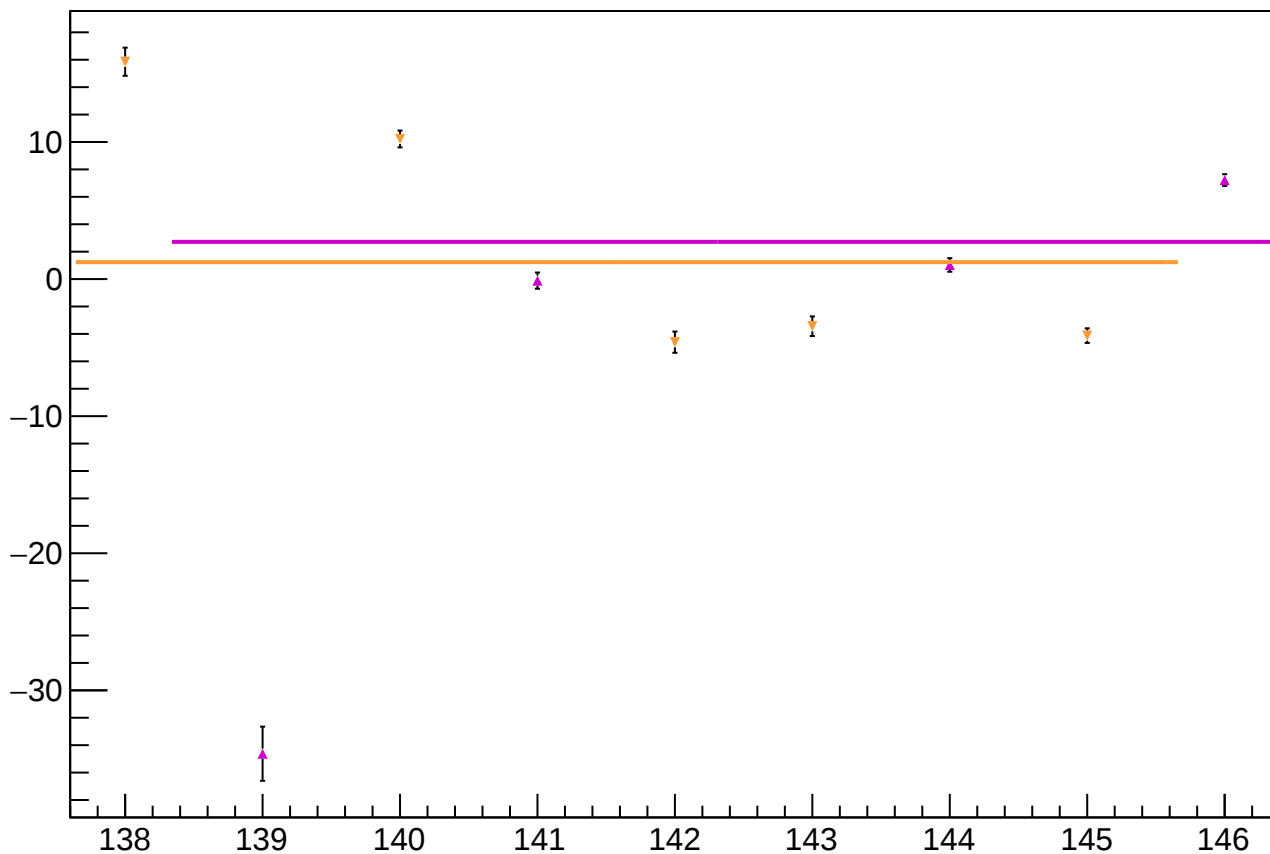
Left In: 12.330+/-0.394 χ^2/NDF : 429.3/3

-21.536+/-0.391 χ^2/NDF : 1597.0/4

-4.758+/-0.278 χ^2/NDF : 5748.8/8

12.330+/-0.394 χ^2/NDF : 429.3/3

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: 1.235+/-0.305 χ^2/NDF : 616.6/4

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

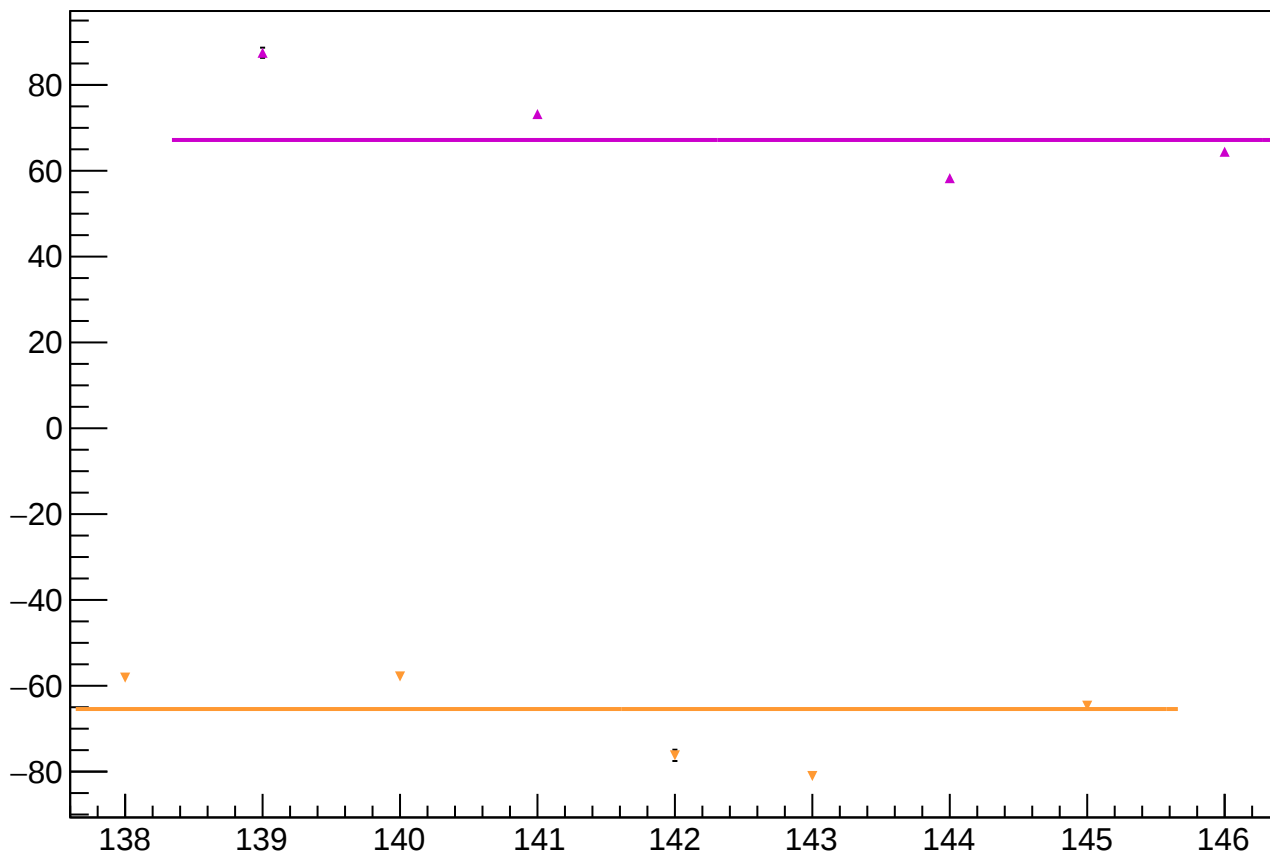
Left In: 2.715+/-0.281 χ^2/NDF : 502.1/3

1.235+/-0.305 χ^2/NDF : 616.6/4

2.035+/-0.207 χ^2/NDF : 1131.4/8

2.715+/-0.281 χ^2/NDF : 502.1/3

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -65.419+/-0.417 χ^2/NDF : 394.6/4

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

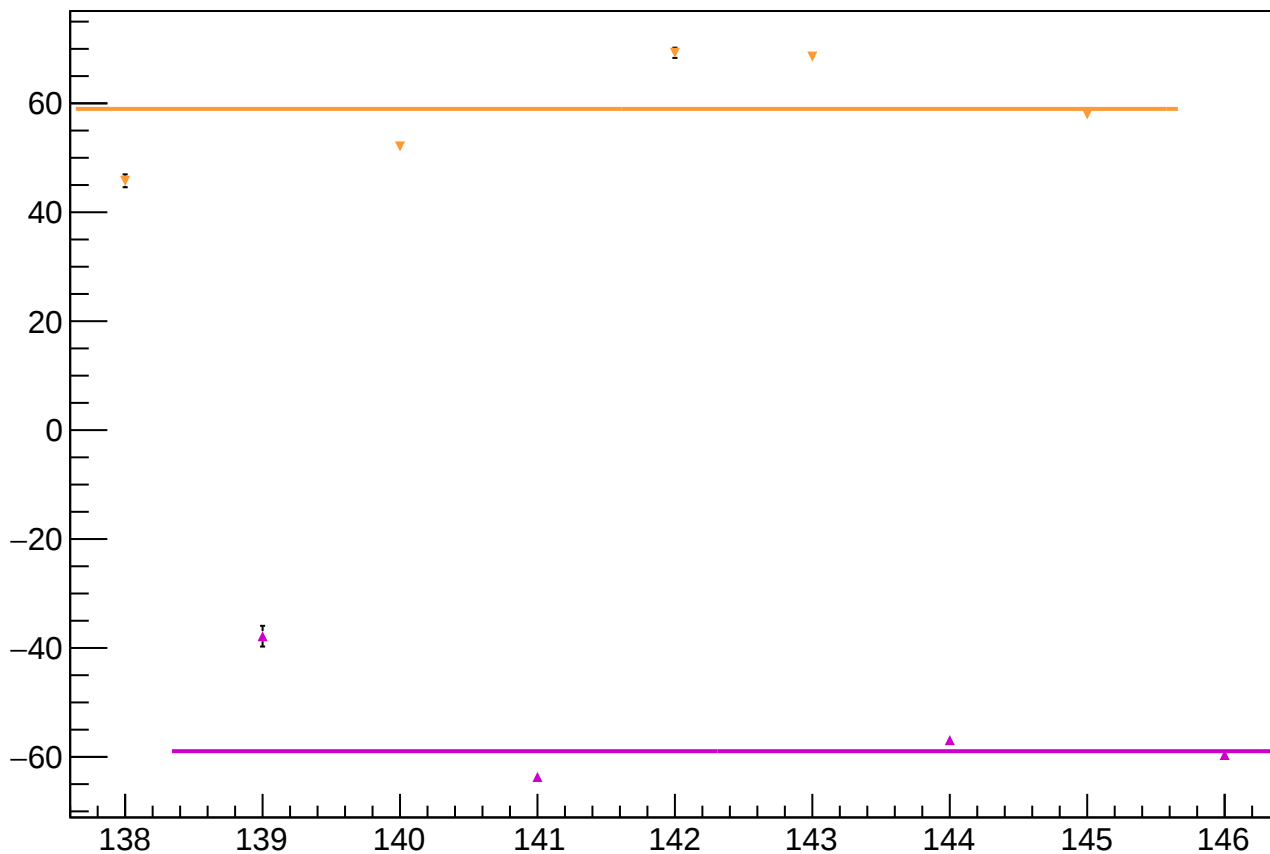
Left In: 67.176+/-0.406 χ^2/NDF : 501.0/3

-65.419+/-0.417 χ^2/NDF : 394.6/4

2.518+/-0.291 χ^2/NDF : 52782.4/8

67.176+/-0.406 χ^2/NDF : 501.0/3

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 58.983+/-0.362 χ^2/NDF : 456.9/4

58.983+/-0.362 χ^2/NDF : 456.9/4

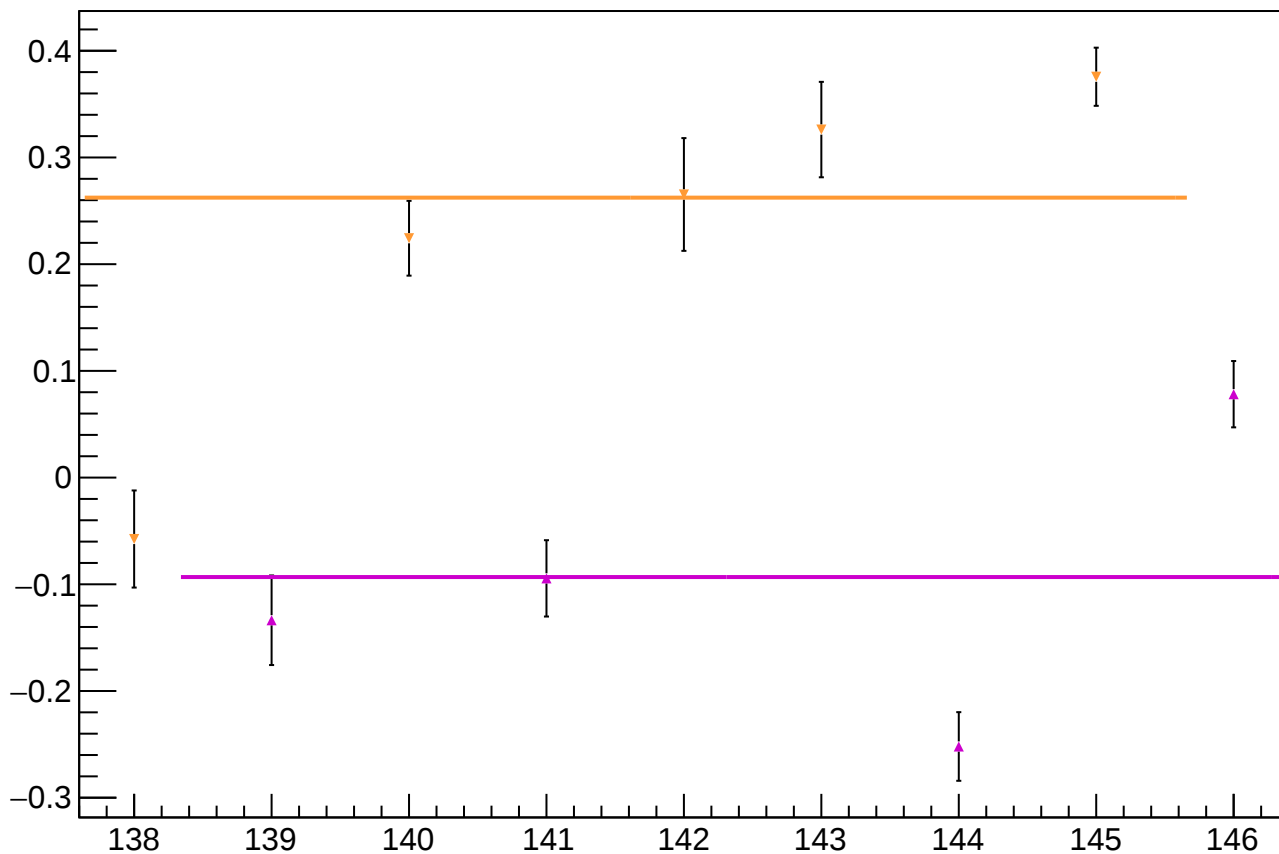
-3.363+/-0.248 χ^2/NDF : 56843.0/8

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

-58.948+/-0.342 χ^2/NDF : 180.8/3

Left In: -58.948+/-0.342 χ^2/NDF : 180.8/3

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.262 $\pm$ 0.017 χ^2 /NDF: 69.9/4

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

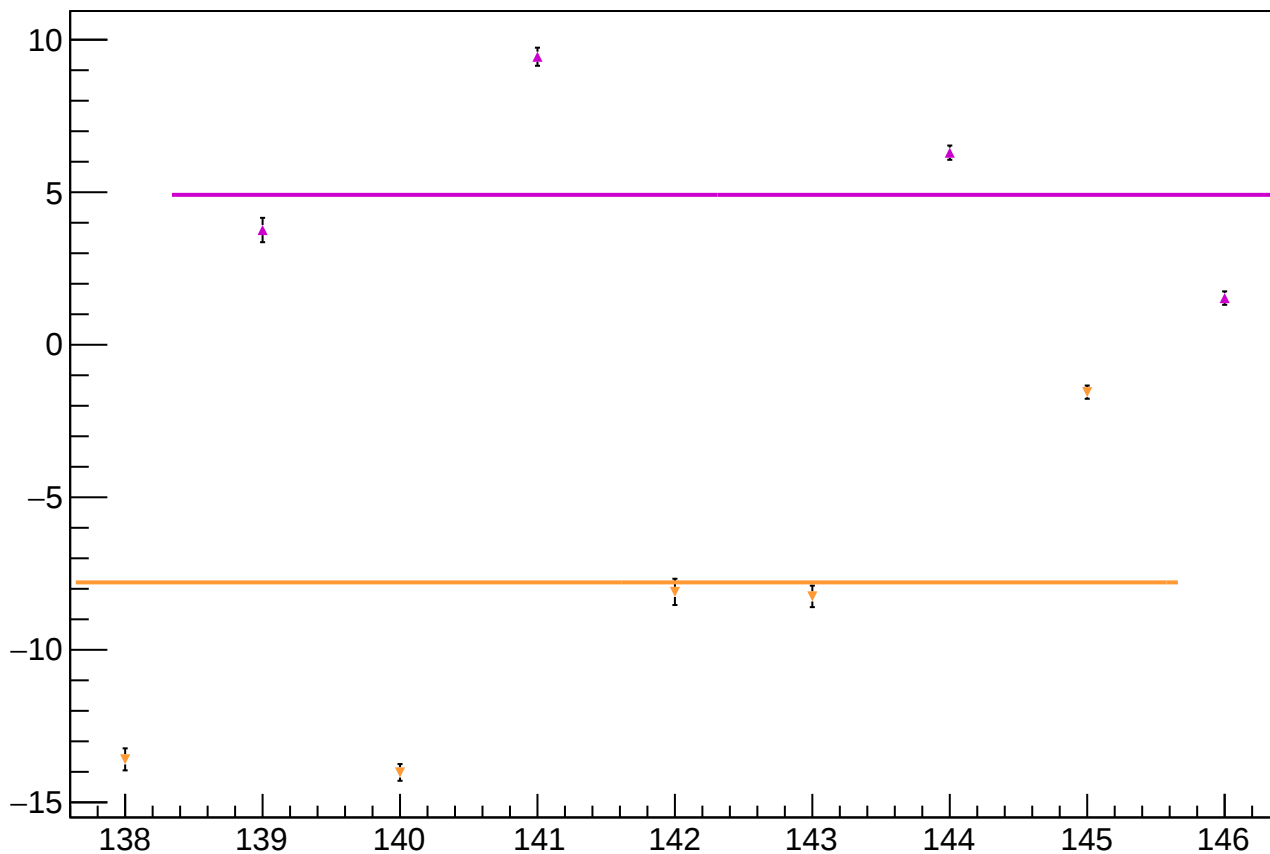
Left In: -0.093 $\pm$ 0.017 χ^2 /NDF: 55.7/3

0.262 $\pm$ 0.017 χ^2 /NDF: 69.9/4

0.088 $\pm$ 0.012 χ^2 /NDF: 342.2/8

-0.093 $\pm$ 0.017 χ^2 /NDF: 55.7/3

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -7.790+/-0.134 χ^2/NDF : 1599.9/4

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

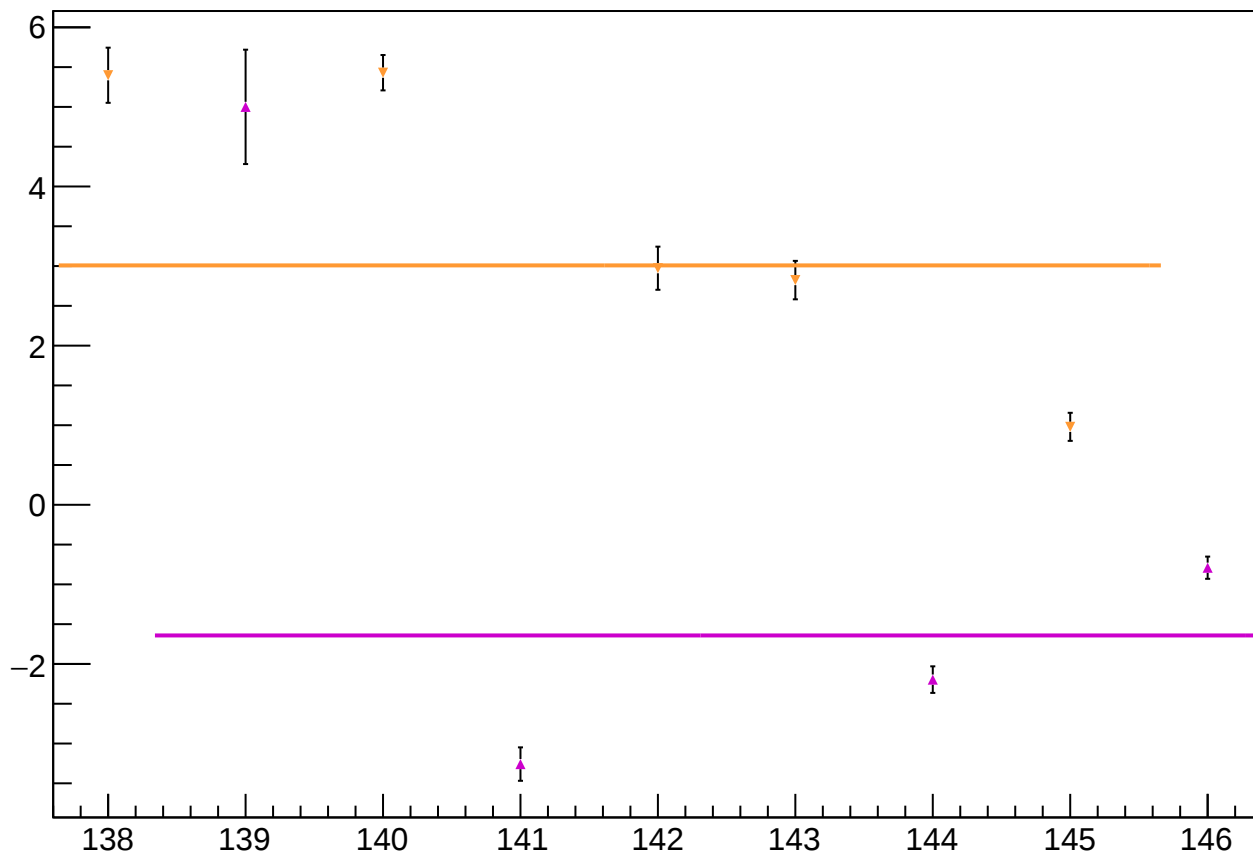
Left In: 4.915+/-0.133 χ^2/NDF : 510.5/3

-7.790+/-0.134 χ^2/NDF : 1599.9/4

-1.392+/-0.095 χ^2/NDF : 6626.9/8

4.915+/-0.133 χ^2/NDF : 510.5/3

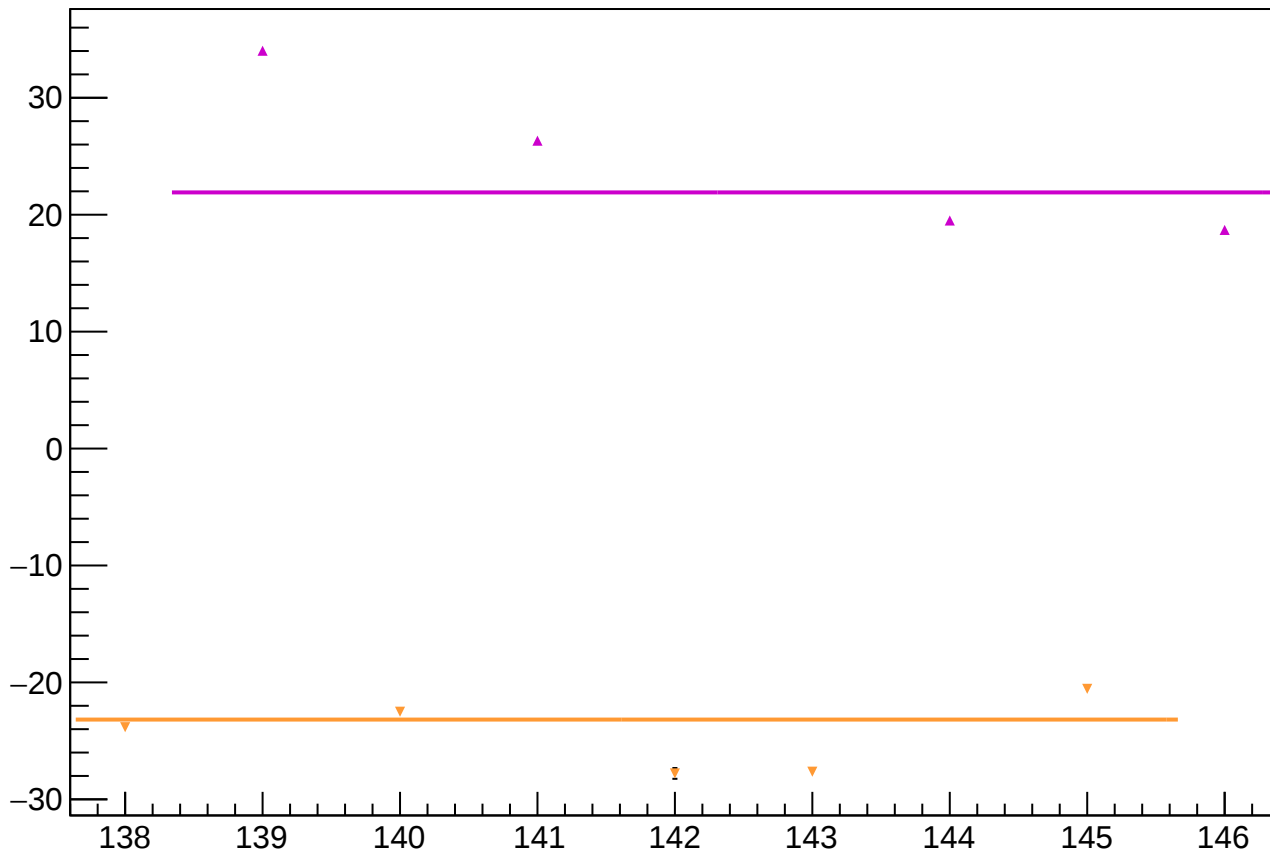
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.008+/-0.105 χ^2/NDF : 299.2/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.642+/-0.095 χ^2/NDF : 192.9/3

3.008+/-0.105 χ^2/NDF : 299.2/4
 0.451+/-0.070 χ^2/NDF : 1579.8/8
 -1.642+/-0.095 χ^2/NDF : 192.9/3

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -23.178+/-0.143 χ^2/NDF : 378.1/4

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

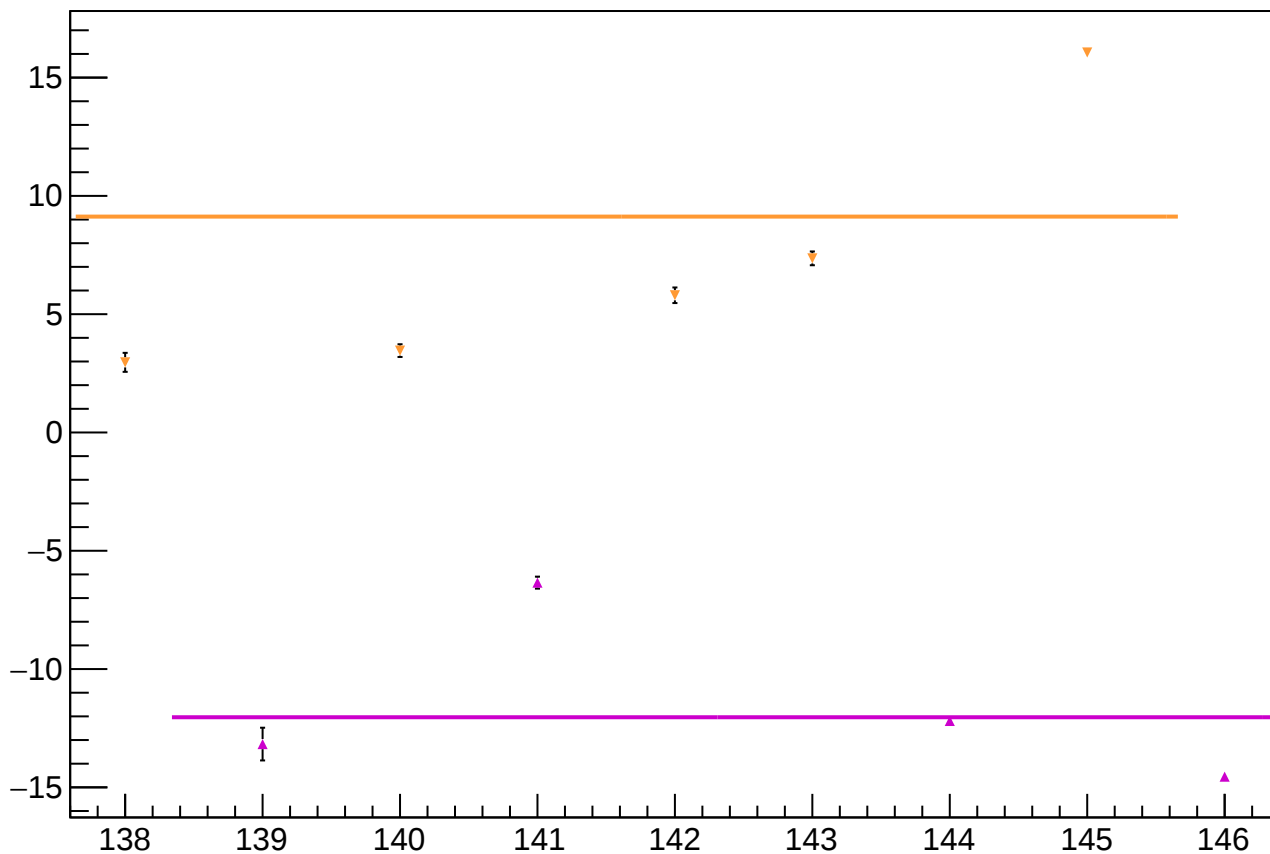
Left In: 21.907+/-0.137 χ^2/NDF : 1301.2/3

-23.178+/-0.143 χ^2/NDF : 378.1/4

0.378+/-0.099 χ^2/NDF : 53529.8/8

21.907+/-0.137 χ^2/NDF : 1301.2/3

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 9.125+/-0.124 χ^2/NDF :1983.0/4

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

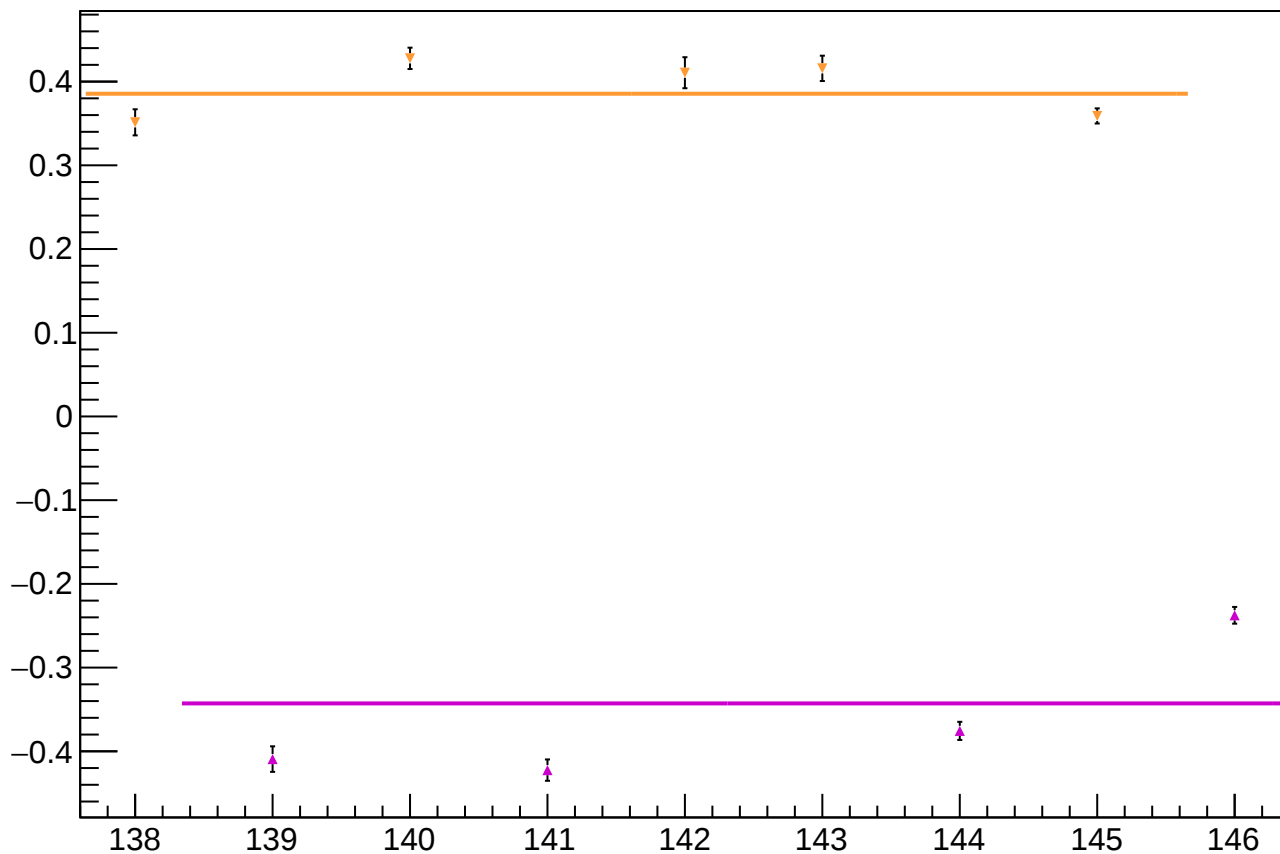
Left In: -12.037+/-0.115 χ^2/NDF :712.8/3

9.125+/-0.124 χ^2/NDF : 1983.0/4

-2.250+/-0.084 χ^2/NDF : 18404.4/8

-12.037+/-0.115 χ^2/NDF : 712.8/3

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.386 $\pm$ 0.006 χ^2 /NDF:30.2/4

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

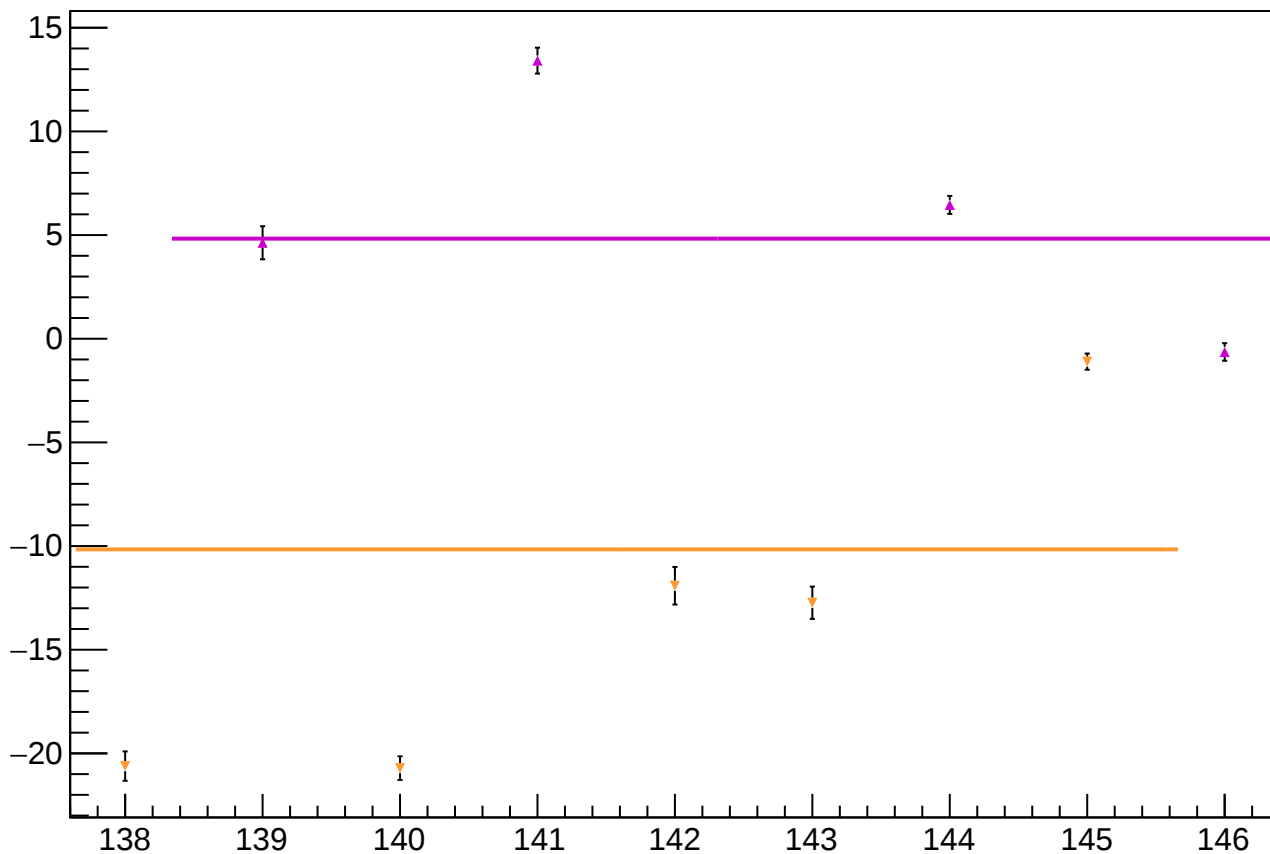
Left In: -0.343 $\pm$ 0.006 χ^2 /NDF:178.2/3

0.386 $\pm$ 0.006 χ^2 /NDF: 30.2/4

0.026 $\pm$ 0.004 χ^2 /NDF: 7998.1/8

-0.343 $\pm$ 0.006 χ^2 /NDF: 178.2/3

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.159+/-0.263 χ^2/NDF : 1112.3/4

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

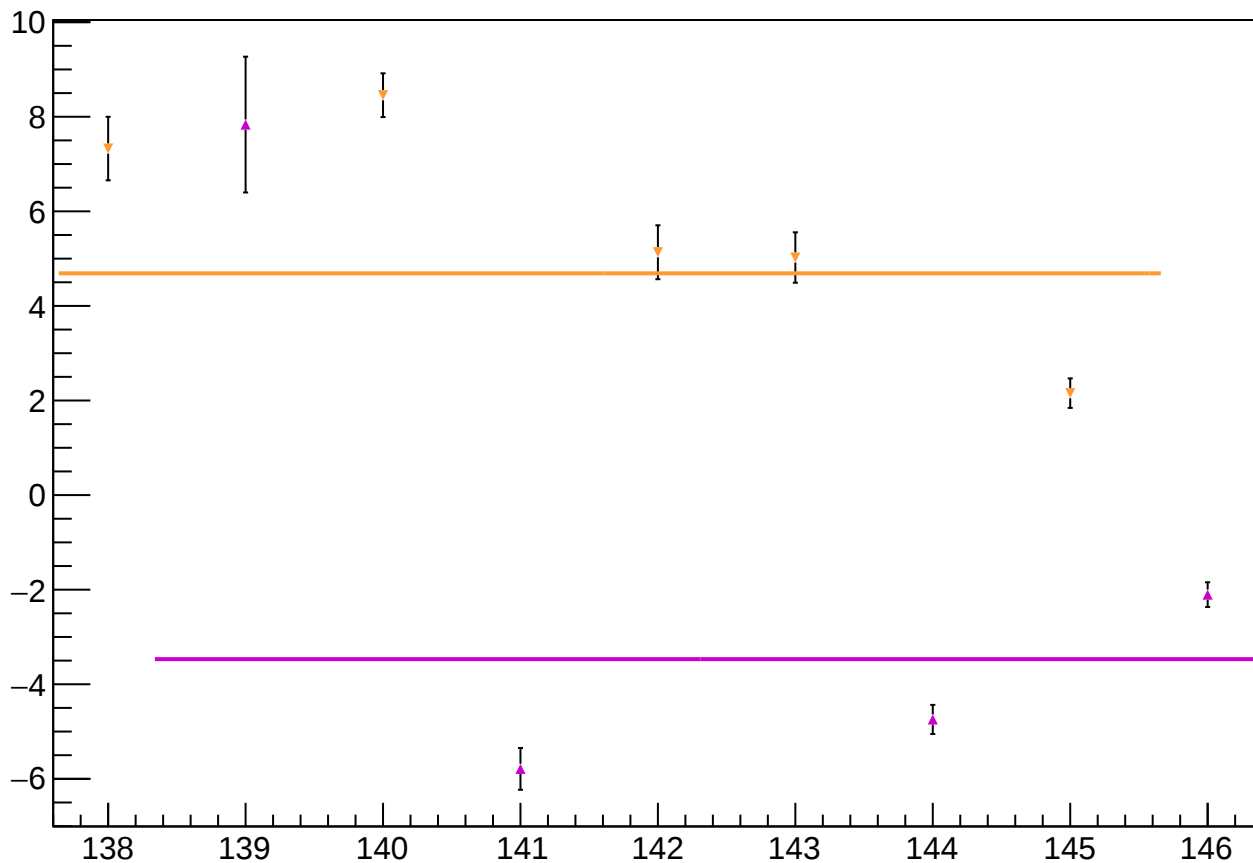
Left In: 4.829+/-0.258 χ^2/NDF : 369.0/3

-10.159+/-0.263 χ^2/NDF : 1112.3/4

-2.525+/-0.184 χ^2/NDF : 3139.7/8

4.829+/-0.258 χ^2/NDF : 369.0/3

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: 4.689+/-0.205 χ^2/NDF :148.7/4

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

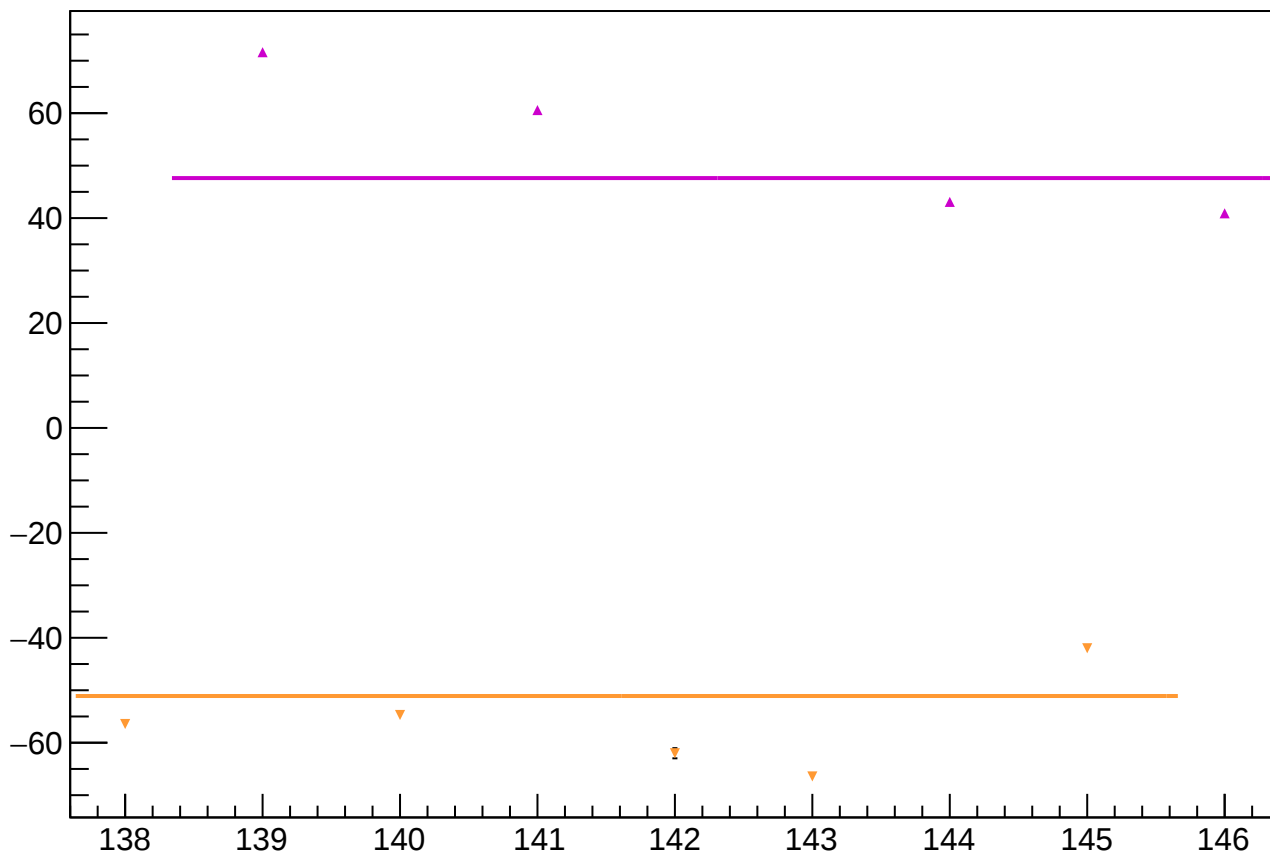
Left In: -3.469+/-0.180 χ^2/NDF :133.8/3

4.689+/-0.205 χ^2/NDF : 148.7/4

0.088+/-0.135 χ^2/NDF : 1174.3/8

-3.469+/-0.180 χ^2/NDF : 133.8/3

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -51.098+/-0.281 χ^2/NDF : 1029.2/4

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

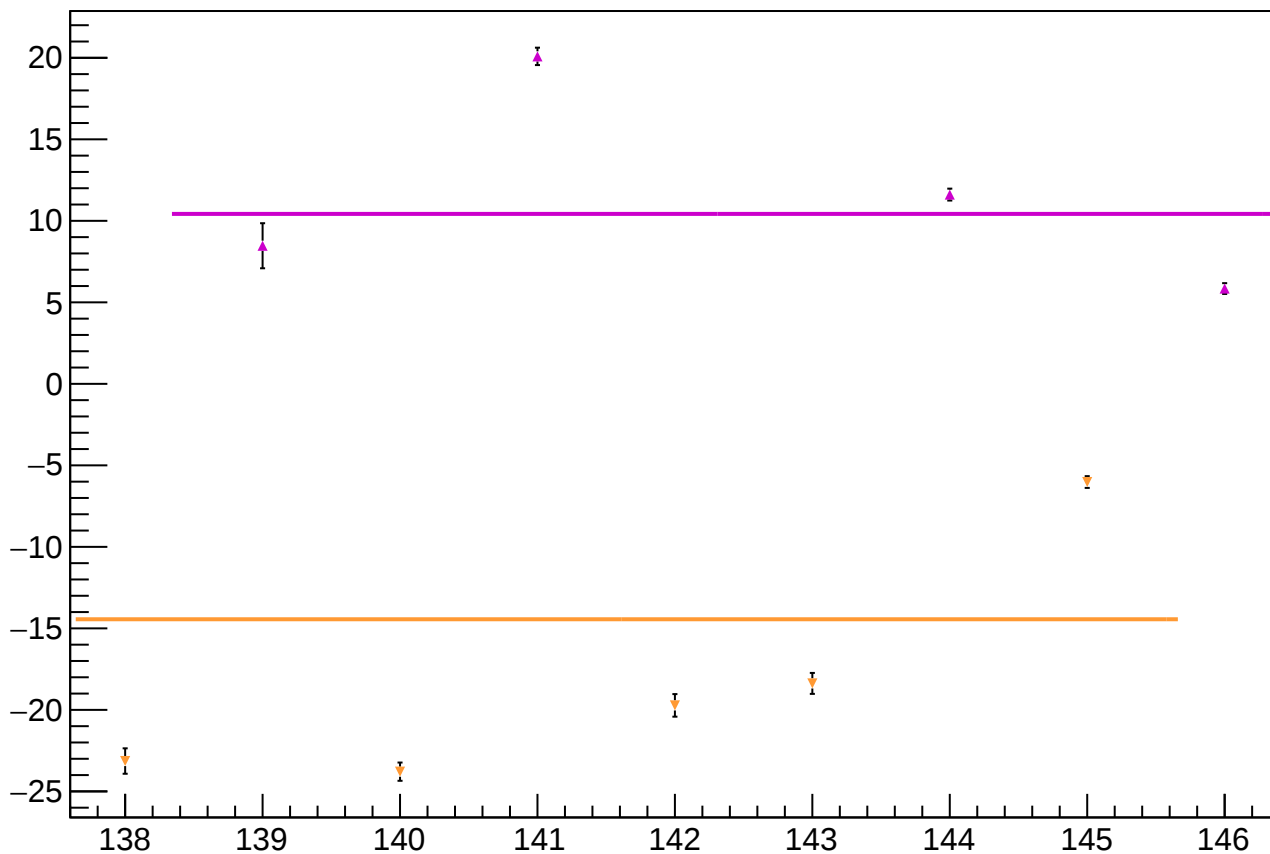
Left In: 47.627+/-0.265 χ^2/NDF : 1520.0/3

-51.098+/-0.281 χ^2/NDF : 1029.2/4

1.178+/-0.193 χ^2/NDF : 68041.7/8

47.627+/-0.265 χ^2/NDF : 1520.0/3

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -14.441+/-0.242 χ^2/NDF : 1043.0/4

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

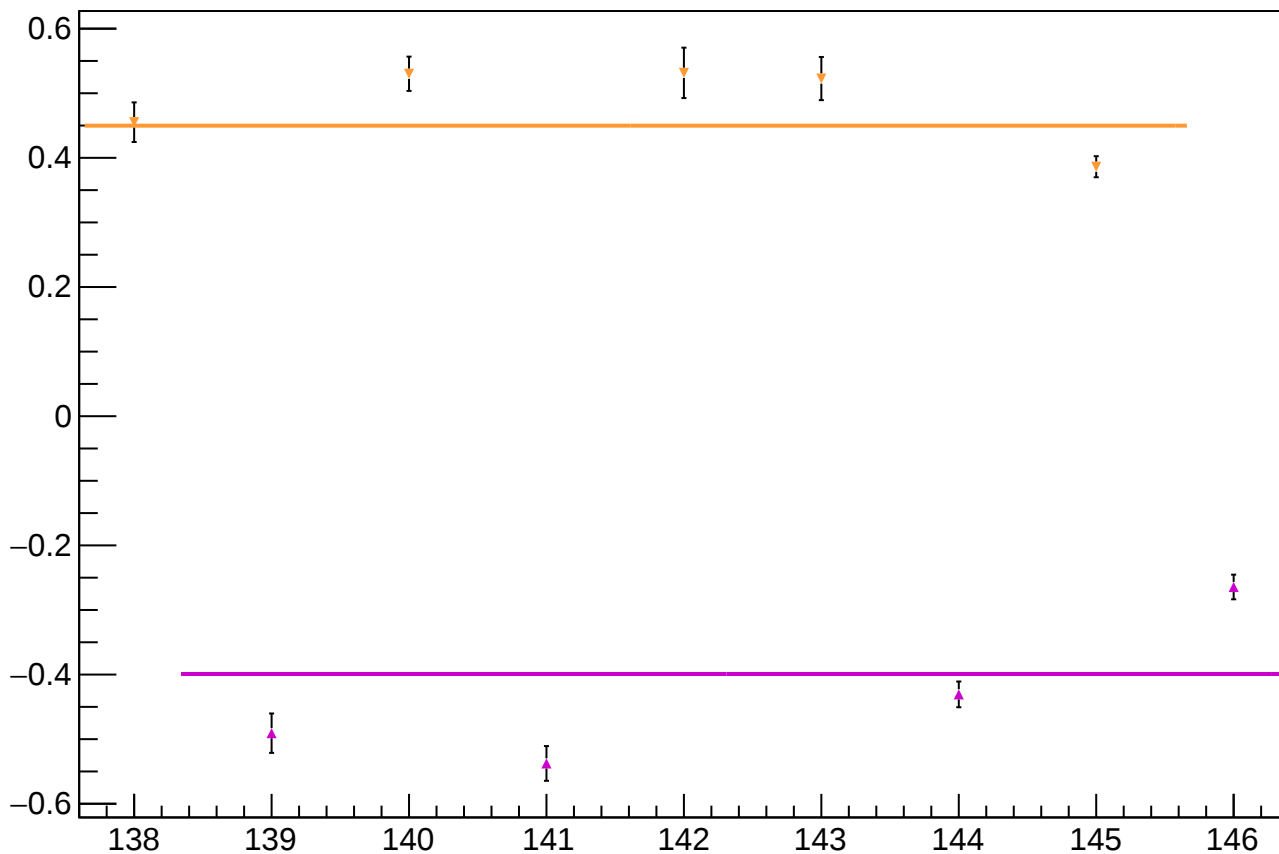
Left In: 10.425+/-0.220 χ^2/NDF : 531.3/3

-14.441+/-0.242 χ^2/NDF : 1043.0/4

-0.810+/-0.163 χ^2/NDF : 7342.3/8

10.425+/-0.220 χ^2/NDF : 531.3/3

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.450+/-0.011 χ^2/NDF : 33.5/4

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

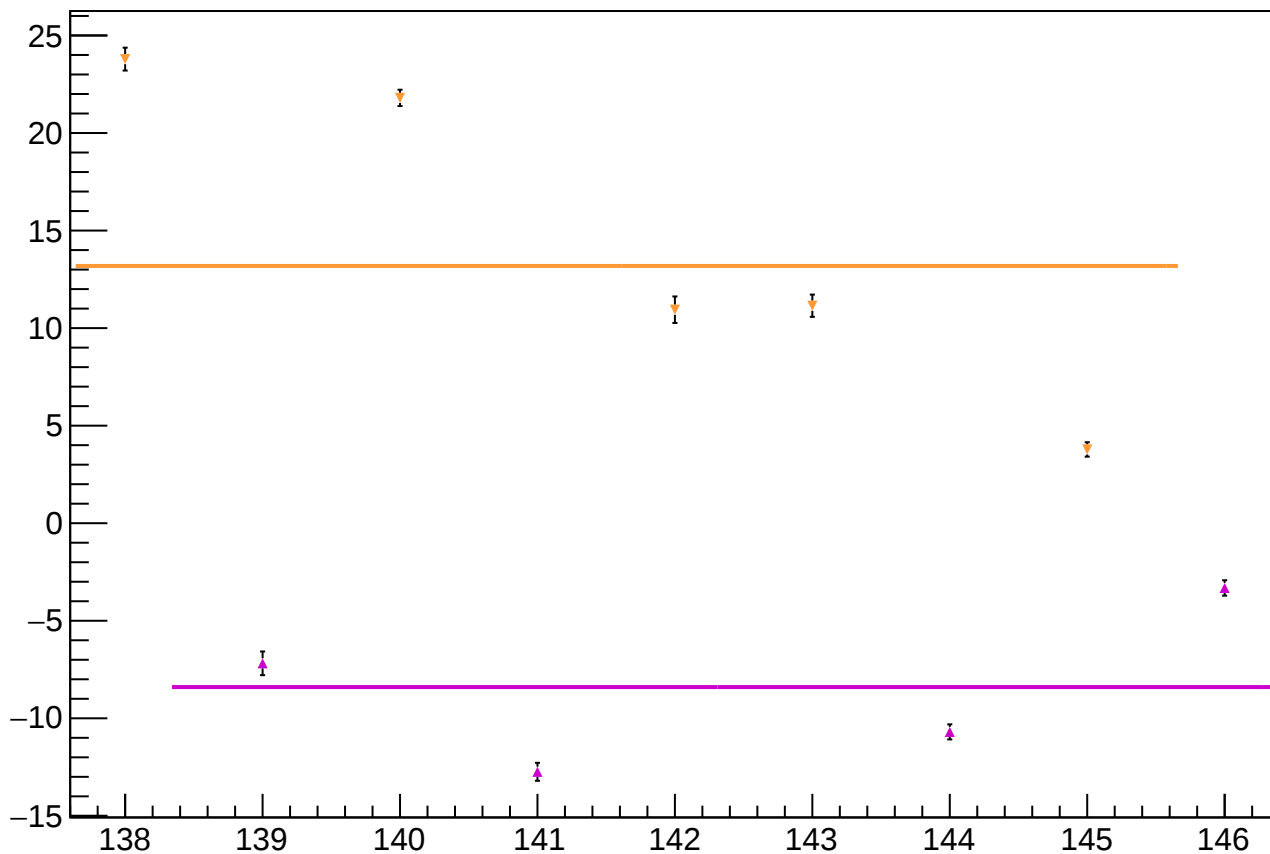
Left In: -0.399+/-0.011 χ^2/NDF : 87.9/3

0.450+/-0.011 χ^2/NDF : 33.5/4

0.027+/-0.008 χ^2/NDF : 2916.8/8

-0.399+/-0.011 χ^2/NDF : 87.9/3

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 13.186+/-0.217 χ^2/NDF : 1422.4/4

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

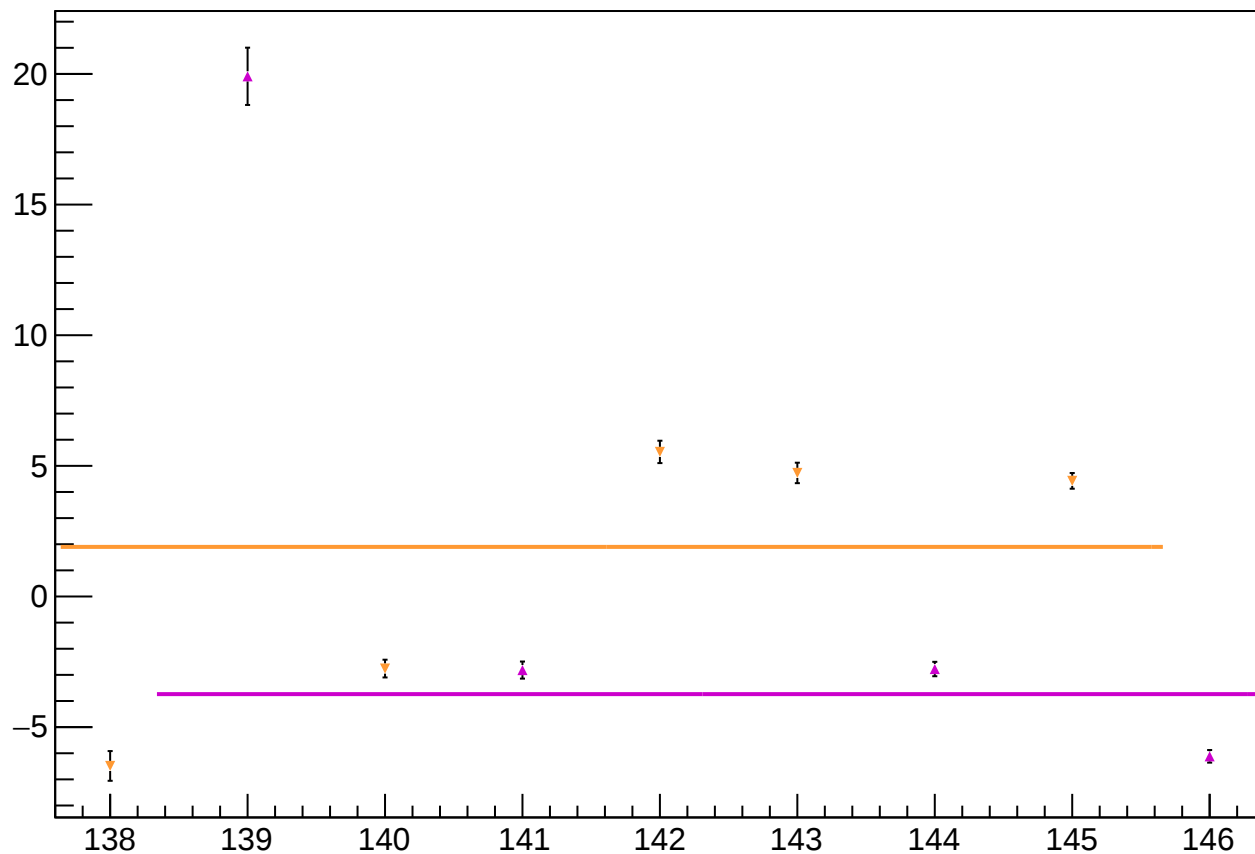
Left In: -8.399+/-0.221 χ^2/NDF : 292.9/3

13.186+/-0.217 χ^2/NDF : 1422.4/4

2.576+/-0.155 χ^2/NDF : 6568.3/8

-8.399+/-0.221 χ^2/NDF : 292.9/3

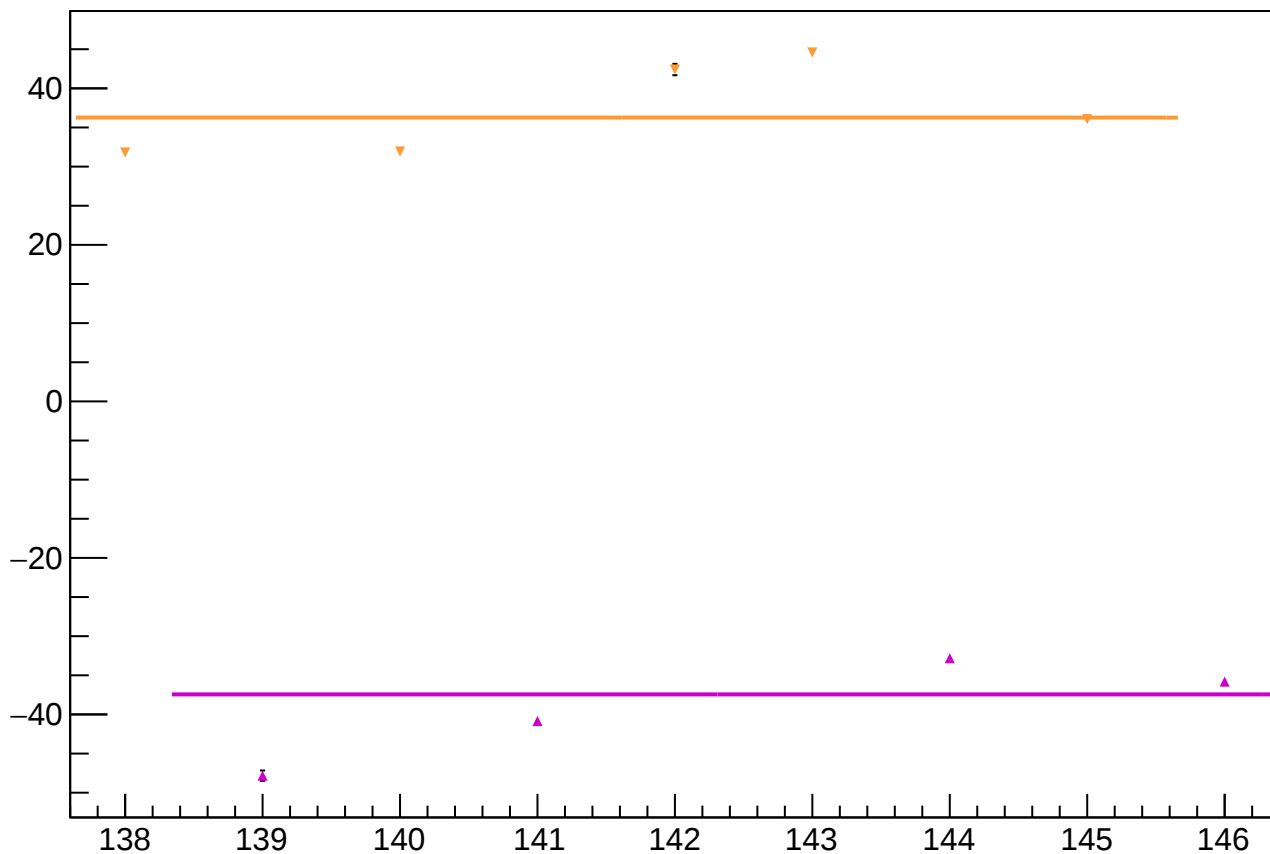
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 1.898+/-0.170 χ^2/NDF : 600.2/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.737+/-0.157 χ^2/NDF : 582.5/3

1.898+/-0.170 χ^2/NDF : 600.2/4
 -1.133+/-0.115 χ^2/NDF : 1777.2/8
 -3.737+/-0.157 χ^2/NDF : 582.5/3

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 36.262+/-0.232 χ^2/NDF : 402.5/4

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

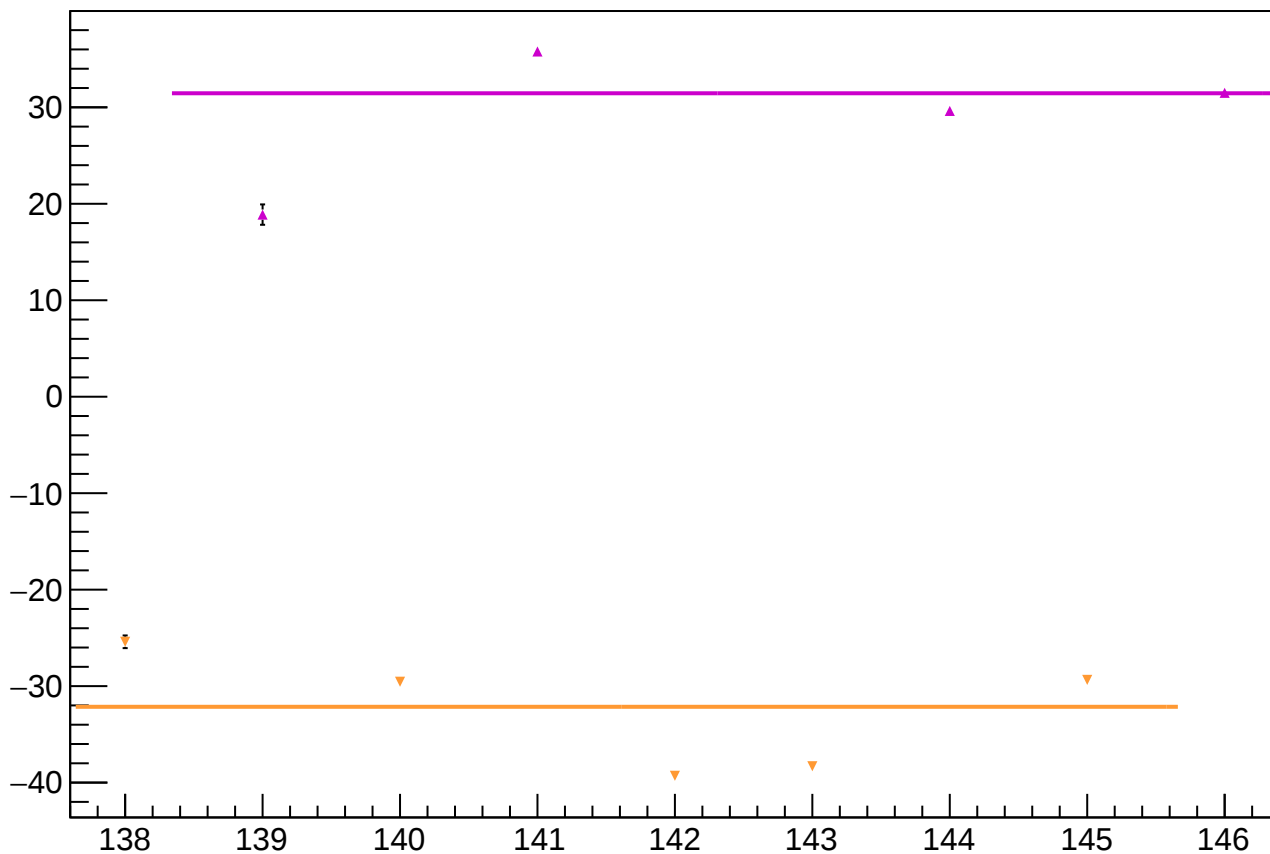
Left In: -37.439+/-0.228 χ^2/NDF : 440.7/3

36.262+/-0.232 χ^2/NDF : 402.5/4

-1.182+/-0.163 χ^2/NDF : 52233.0/8

-37.439+/-0.228 χ^2/NDF : 440.7/3

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -32.143+/-0.201 χ^2/NDF : 570.6/4

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

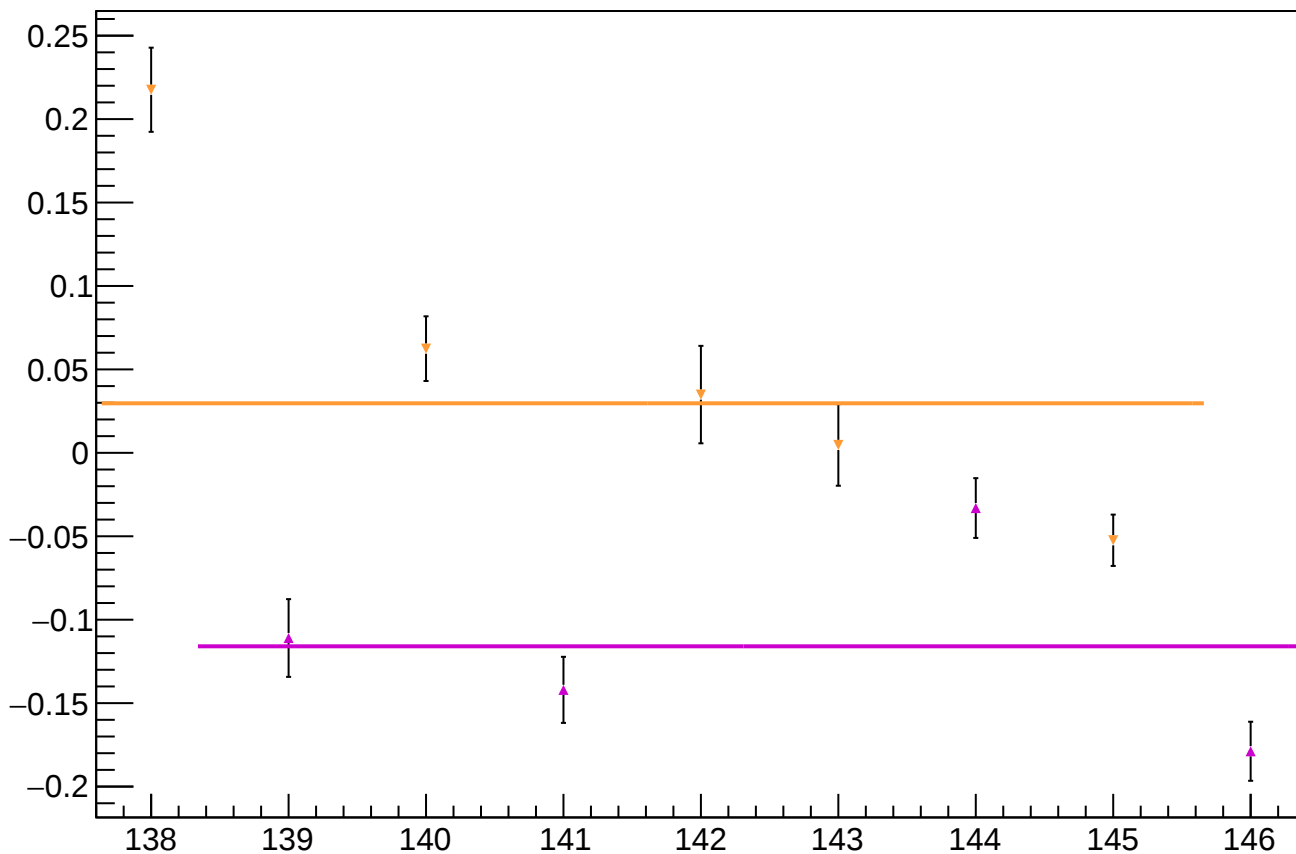
Left In: 31.456+/-0.191 χ^2/NDF : 293.9/3

-32.143+/-0.201 χ^2/NDF : 570.6/4

1.257+/-0.138 χ^2/NDF : 53518.3/8

31.456+/-0.191 χ^2/NDF : 293.9/3

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.030 $\pm$ 0.009 χ^2 /NDF: 87.9/4

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

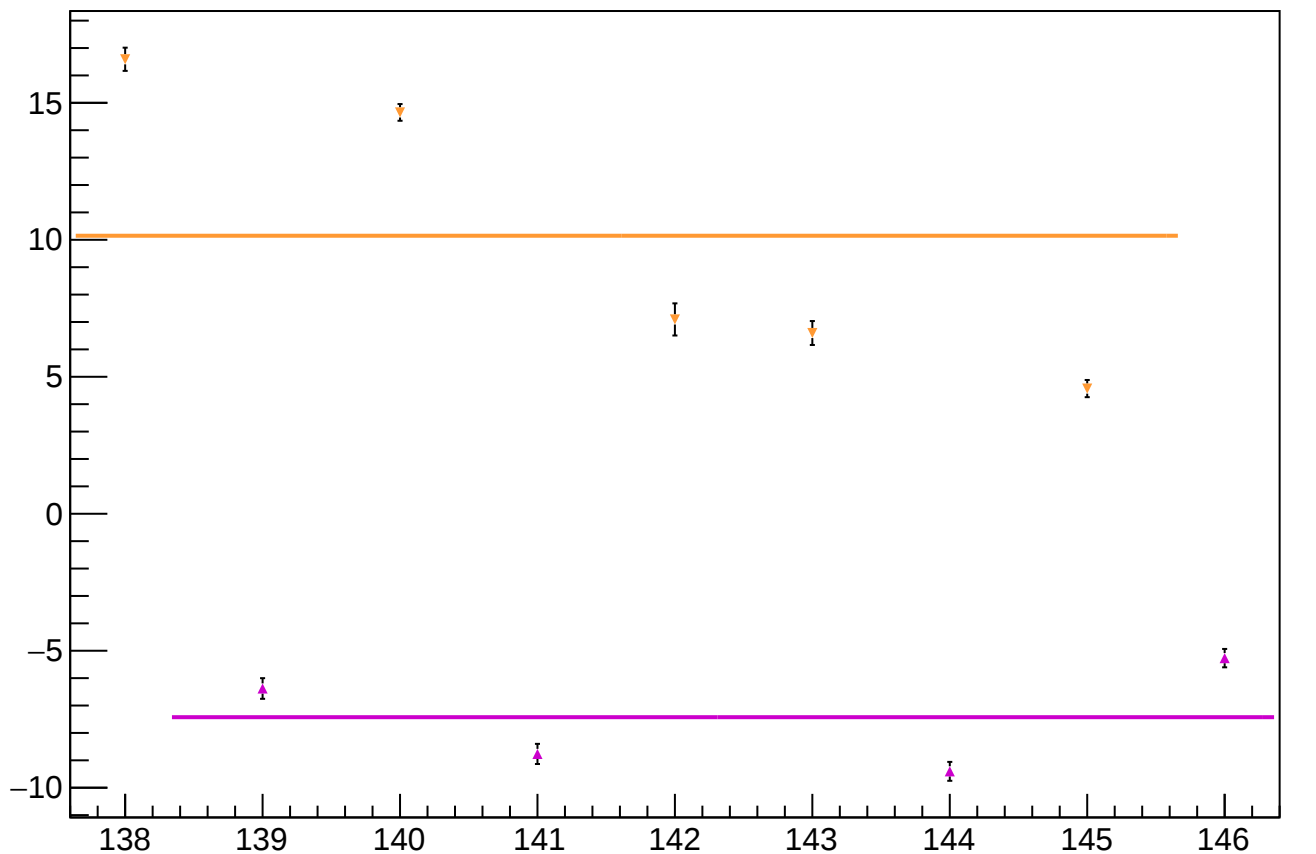
Left In: -0.116 $\pm$ 0.010 χ^2 /NDF: 35.8/3

0.030 $\pm$ 0.009 χ^2 /NDF: 87.9/4

-0.041 $\pm$ 0.007 χ^2 /NDF: 240.3/8

-0.116 $\pm$ 0.010 χ^2 /NDF: 35.8/3

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 10.149+/-0.170 χ^2/NDF : 858.1/4

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

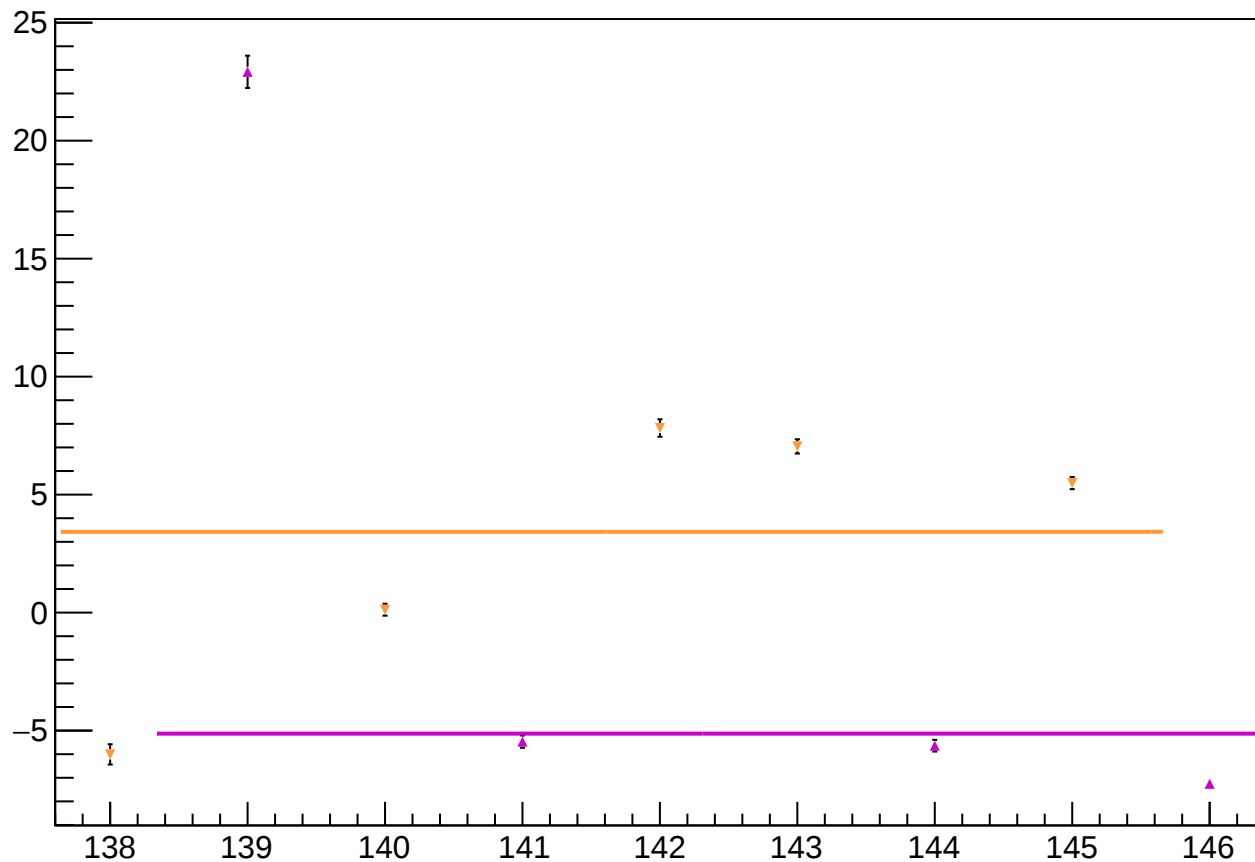
Left In: -7.426+/-0.178 χ^2/NDF : 95.2/3

10.149+/-0.170 χ^2/NDF : 858.1/4

1.743+/-0.123 χ^2/NDF : 6065.7/8

-7.426+/-0.178 χ^2/NDF : 95.2/3

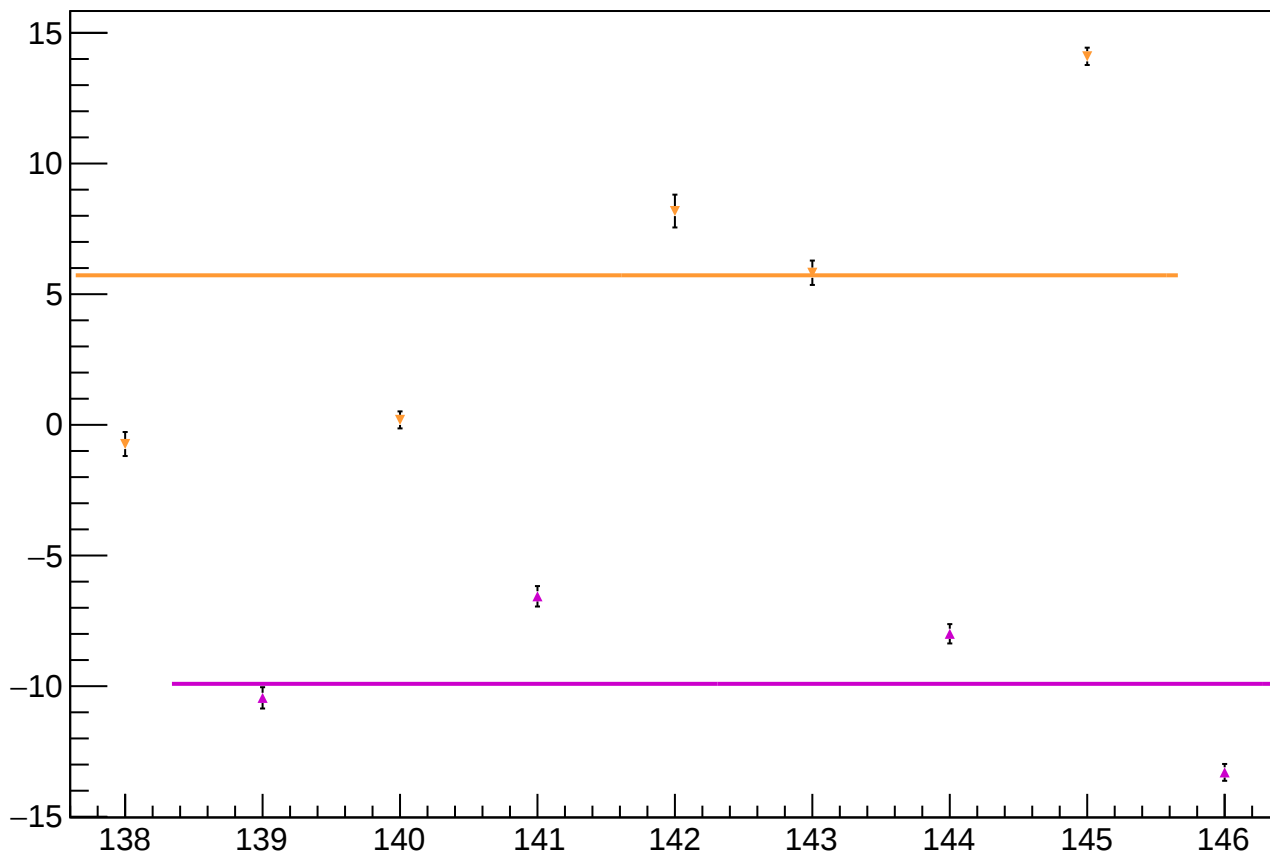
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.424+/-0.136 χ^2/NDF :995.7/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.129+/-0.135 χ^2/NDF :1784.5/3

3.424+/-0.136 χ^2/NDF : 995.7/4
 -0.880+/-0.096 χ^2/NDF : 4774.1/8
 -5.129+/-0.135 χ^2/NDF : 1784.5/3

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 5.723+/-0.181 χ^2/NDF : 1140.6/4

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

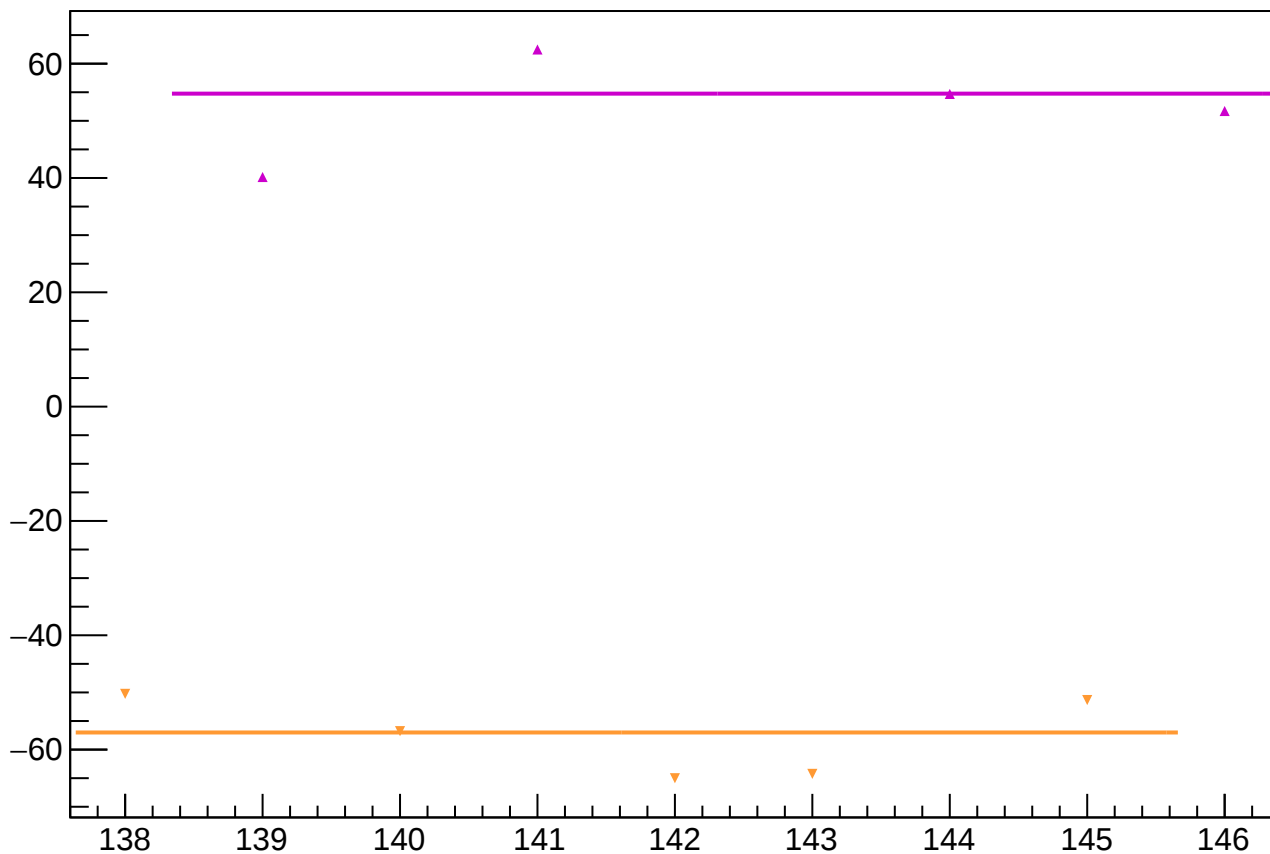
Left In: -9.910+/-0.184 χ^2/NDF : 212.6/3

5.723+/-0.181 χ^2/NDF : 1140.6/4

-1.977+/-0.129 χ^2/NDF : 5014.7/8

-9.910+/-0.184 χ^2/NDF : 212.6/3

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -57.005+/-0.161 χ^2/NDF : 1270.2/4

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

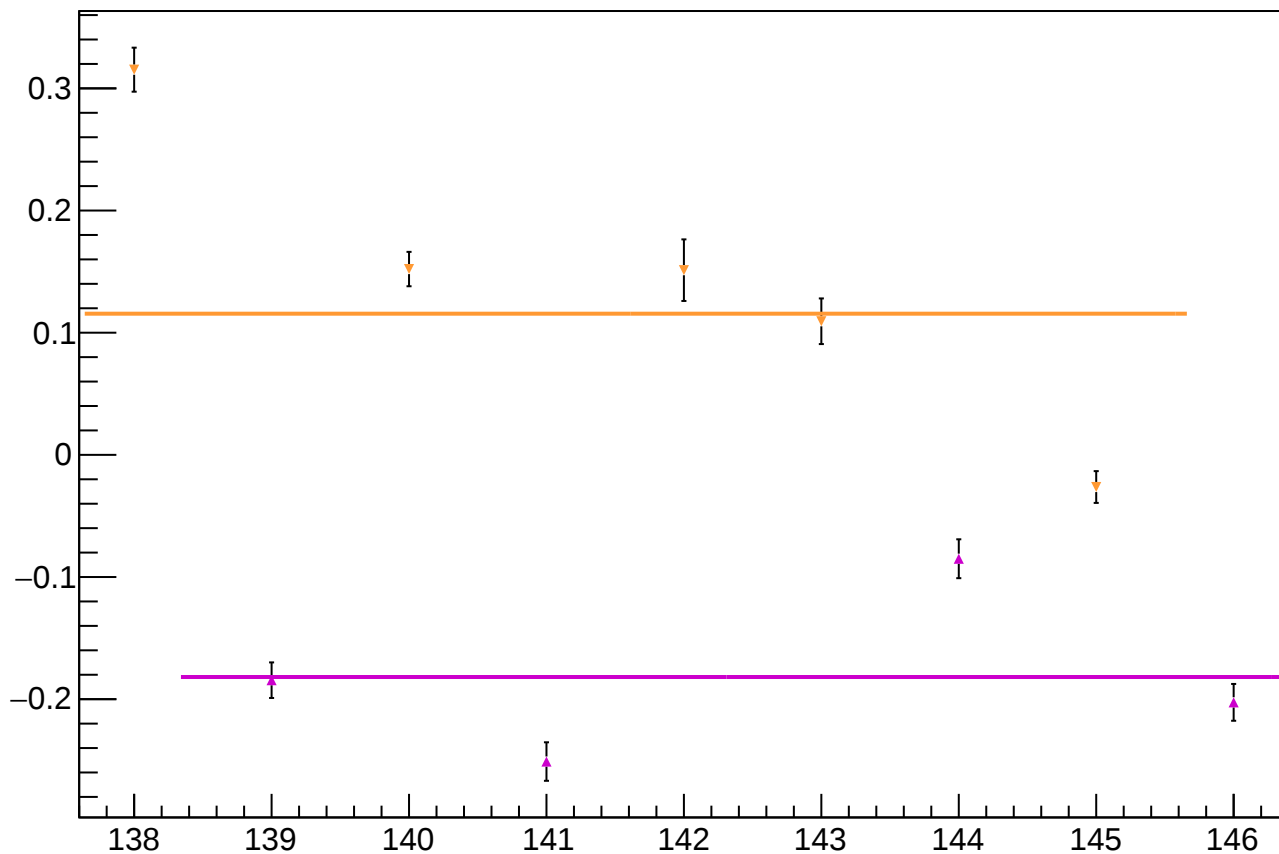
Left In: 54.756+/-0.162 χ^2/NDF : 1218.6/3

-57.005+/-0.161 χ^2/NDF : 1270.2/4

-1.522+/-0.114 χ^2/NDF : 242948.4/8

54.756+/-0.162 χ^2/NDF : 1218.6/3

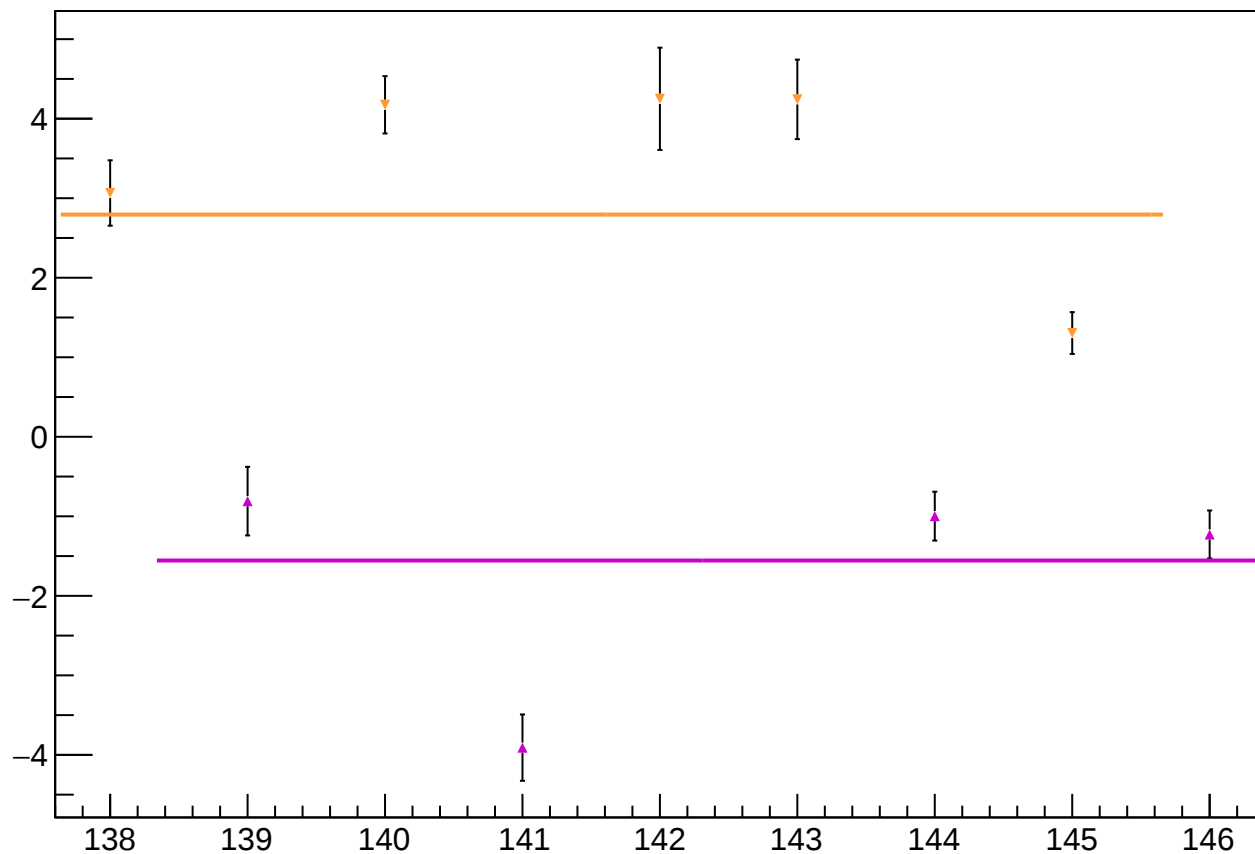
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.116 $\pm$ 0.007 χ^2 /NDF:250.7/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.182 $\pm$ 0.008 χ^2 /NDF:58.2/3

0.116 $\pm$ 0.007 χ^2 /NDF: 250.7/4
 -0.027 $\pm$ 0.005 χ^2 /NDF: 1094.4/8
 -0.182 $\pm$ 0.008 χ^2 /NDF: 58.2/3

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 2.794 $\pm$ 0.170 χ^2 /NDF: 60.7/4

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

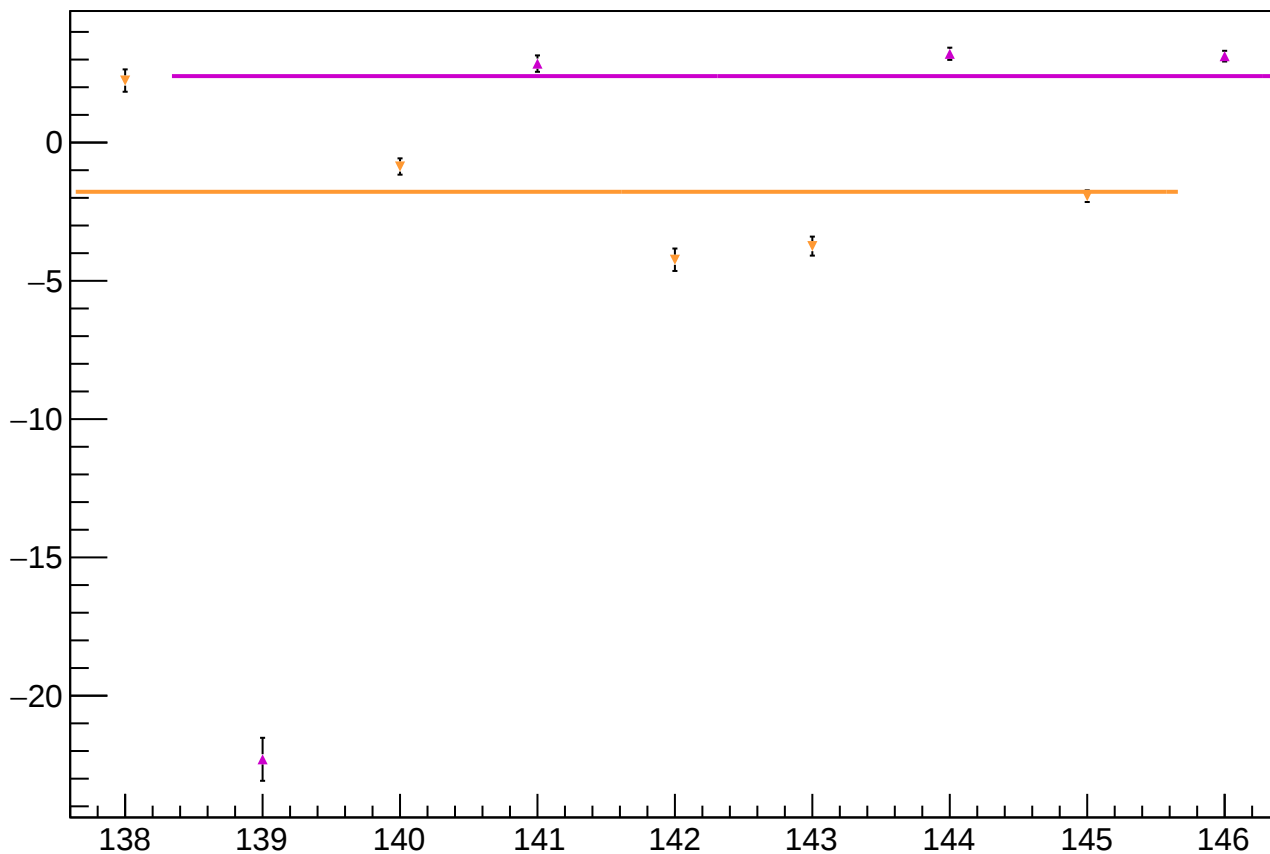
Left In: -1.556 $\pm$ 0.175 χ^2 /NDF: 39.3/3

2.794 $\pm$ 0.170 χ^2 /NDF: 60.7/4

0.677 $\pm$ 0.122 χ^2 /NDF: 417.7/8

-1.556 $\pm$ 0.175 χ^2 /NDF: 39.3/3

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -1.781+/-0.135 χ^2/NDF : 178.5/4

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

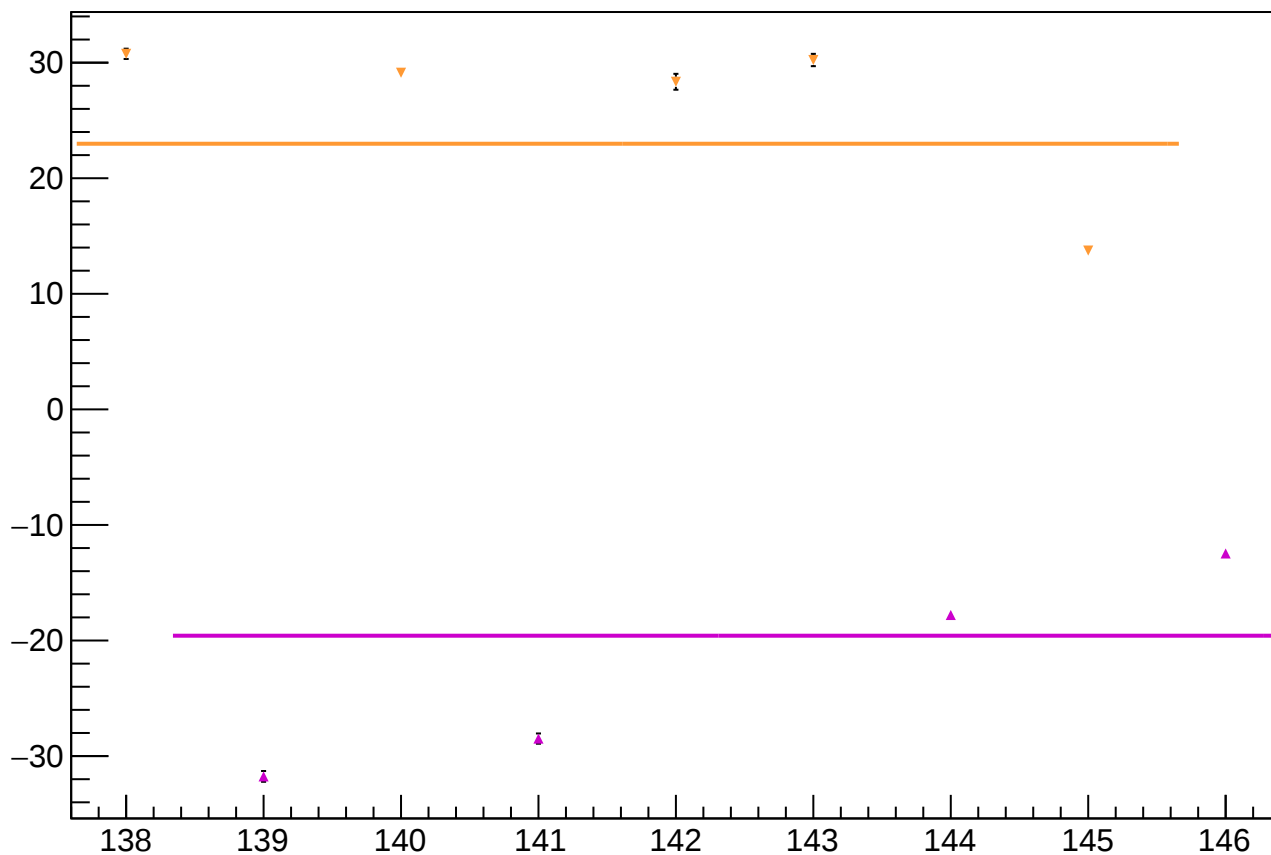
Left In: 2.402+/-0.129 χ^2/NDF : 1039.8/3

-1.781+/-0.135 χ^2/NDF : 178.5/4

0.414+/-0.093 χ^2/NDF : 1718.7/8

2.402+/-0.129 χ^2/NDF : 1039.8/3

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 22.985+/-0.182 χ^2/NDF : 1892.7/4

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

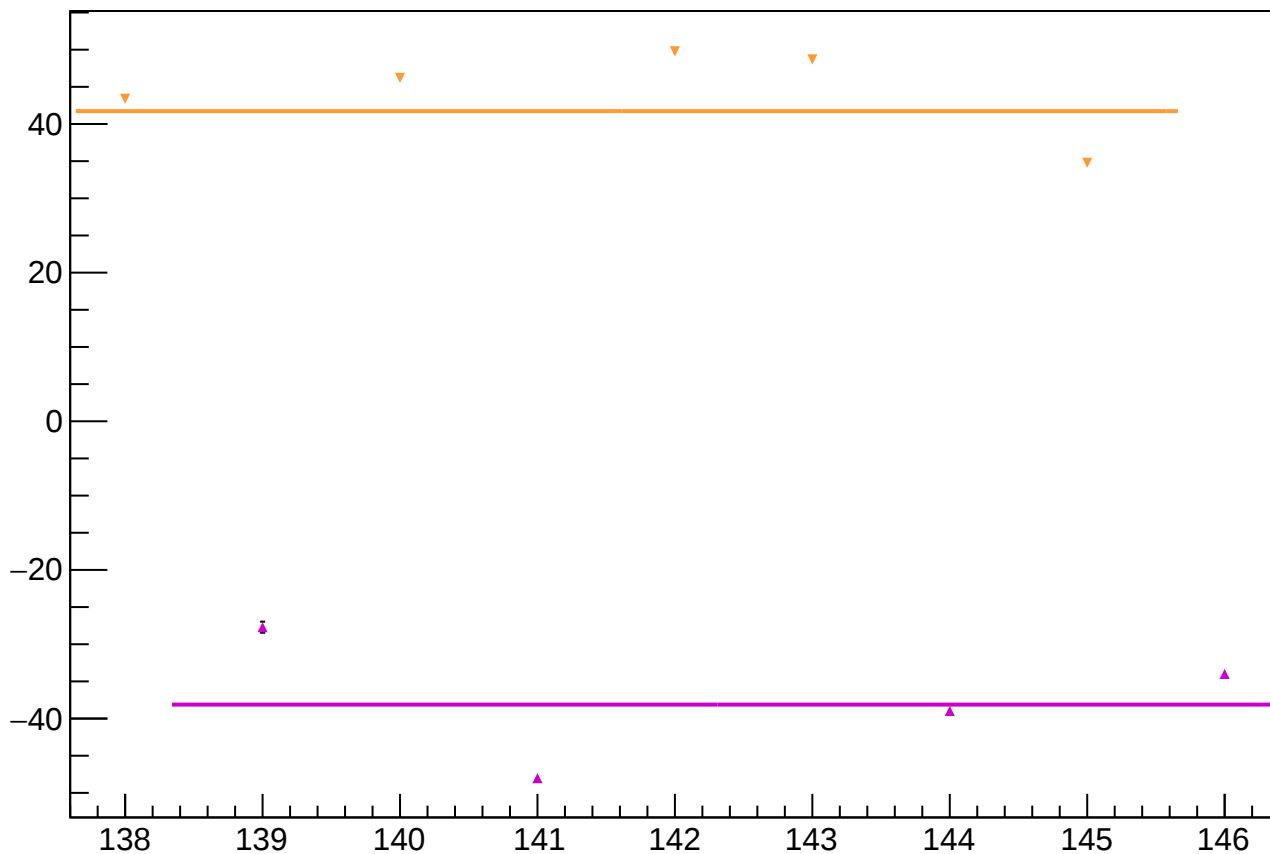
Left In: -19.584+/-0.180 χ^2/NDF : 1714.3/3

22.985+/-0.182 χ^2/NDF : 1892.7/4

1.494+/-0.128 χ^2/NDF : 31201.4/8

-19.584+/-0.180 χ^2/NDF : 1714.3/3

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 41.733+/-0.160 χ^2/NDF : 1531.6/4

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

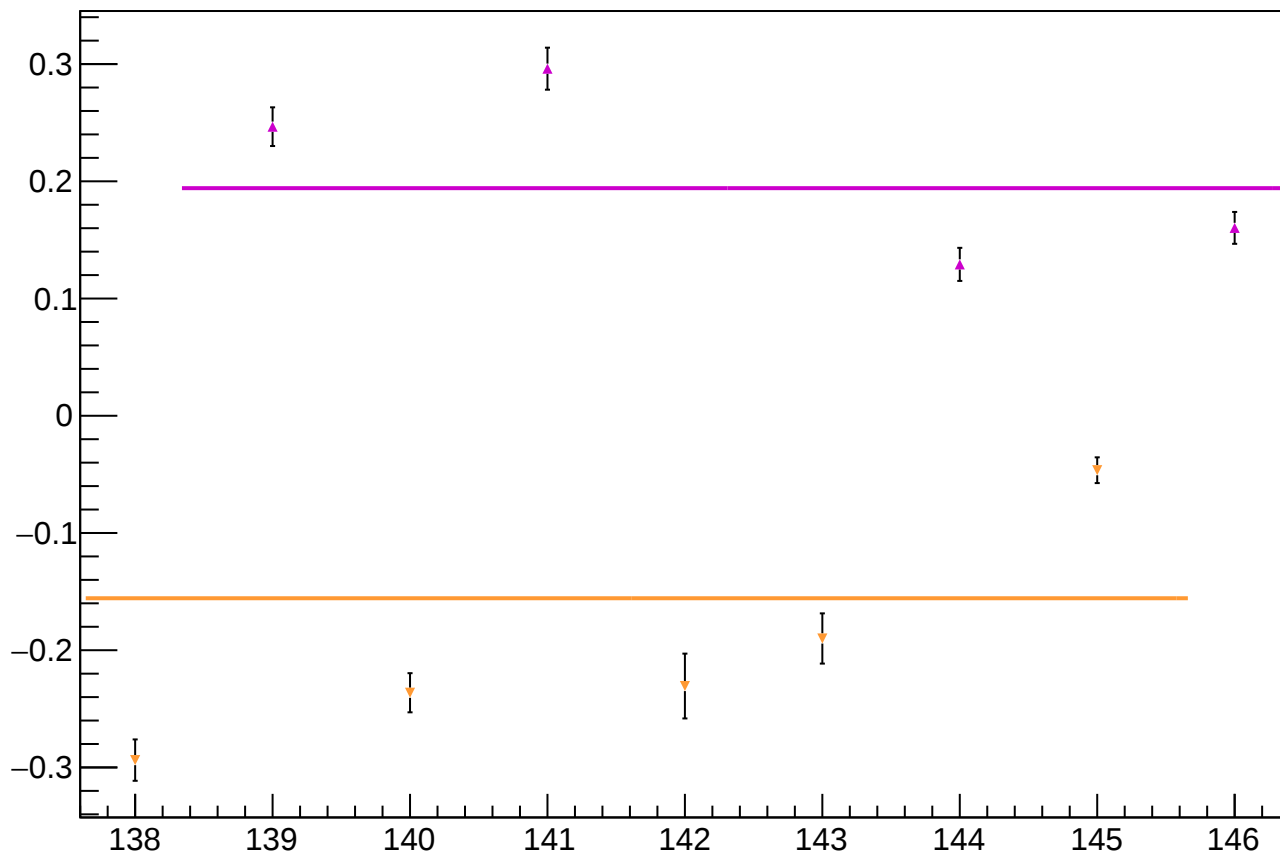
Left In: -38.121+/-0.155 χ^2/NDF : 1265.0/3

41.733+/-0.160 χ^2/NDF : 1531.6/4

0.672+/-0.111 χ^2/NDF : 131546.0/8

-38.121+/-0.155 χ^2/NDF : 1265.0/3

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.156 $\pm$ 0.007 χ^2 /NDF:193.3/4

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

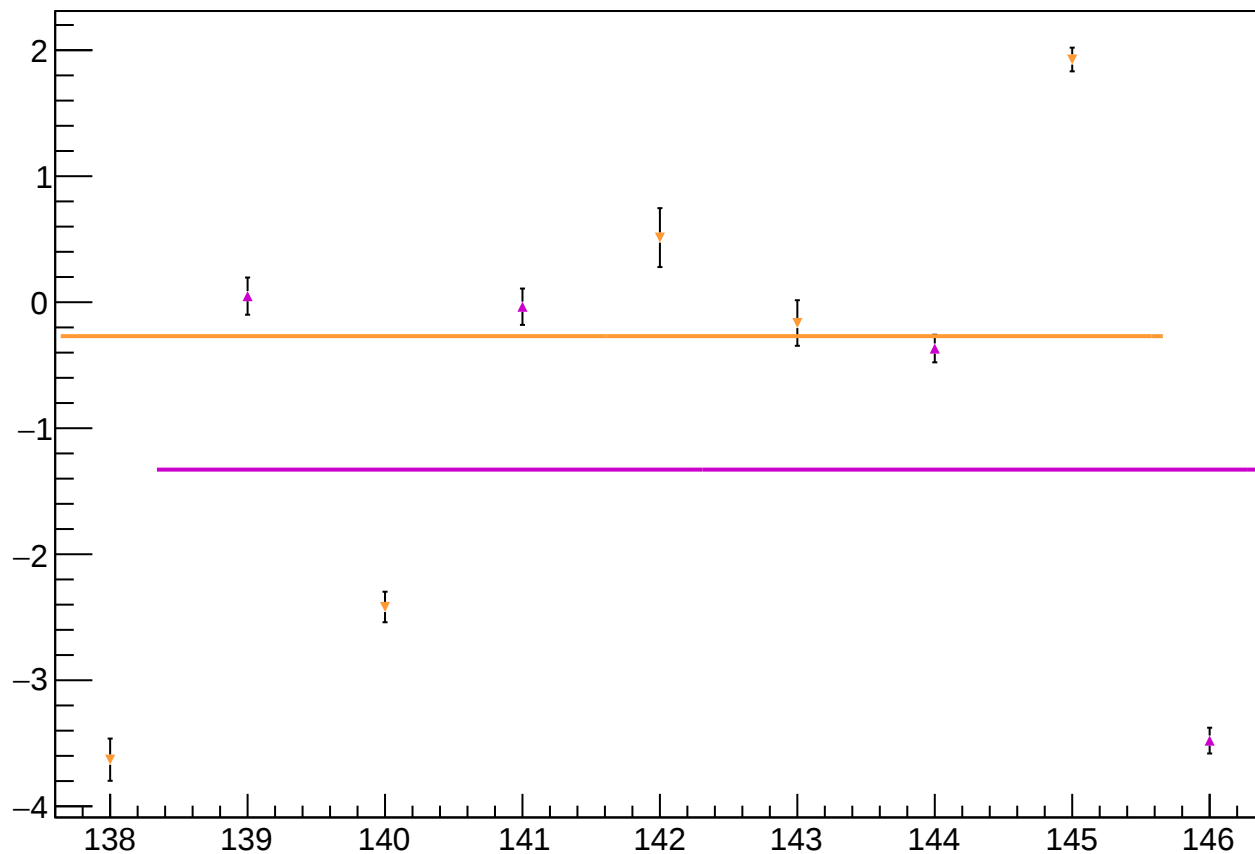
Left In: 0.194 $\pm$ 0.008 χ^2 /NDF:69.9/3

-0.156 $\pm$ 0.007 χ^2 /NDF: 193.3/4

0.013 $\pm$ 0.005 χ^2 /NDF: 1356.6/8

0.194 $\pm$ 0.008 χ^2 /NDF: 69.9/3

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.269+/-0.061 χ^2/NDF : 1275.0/4

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

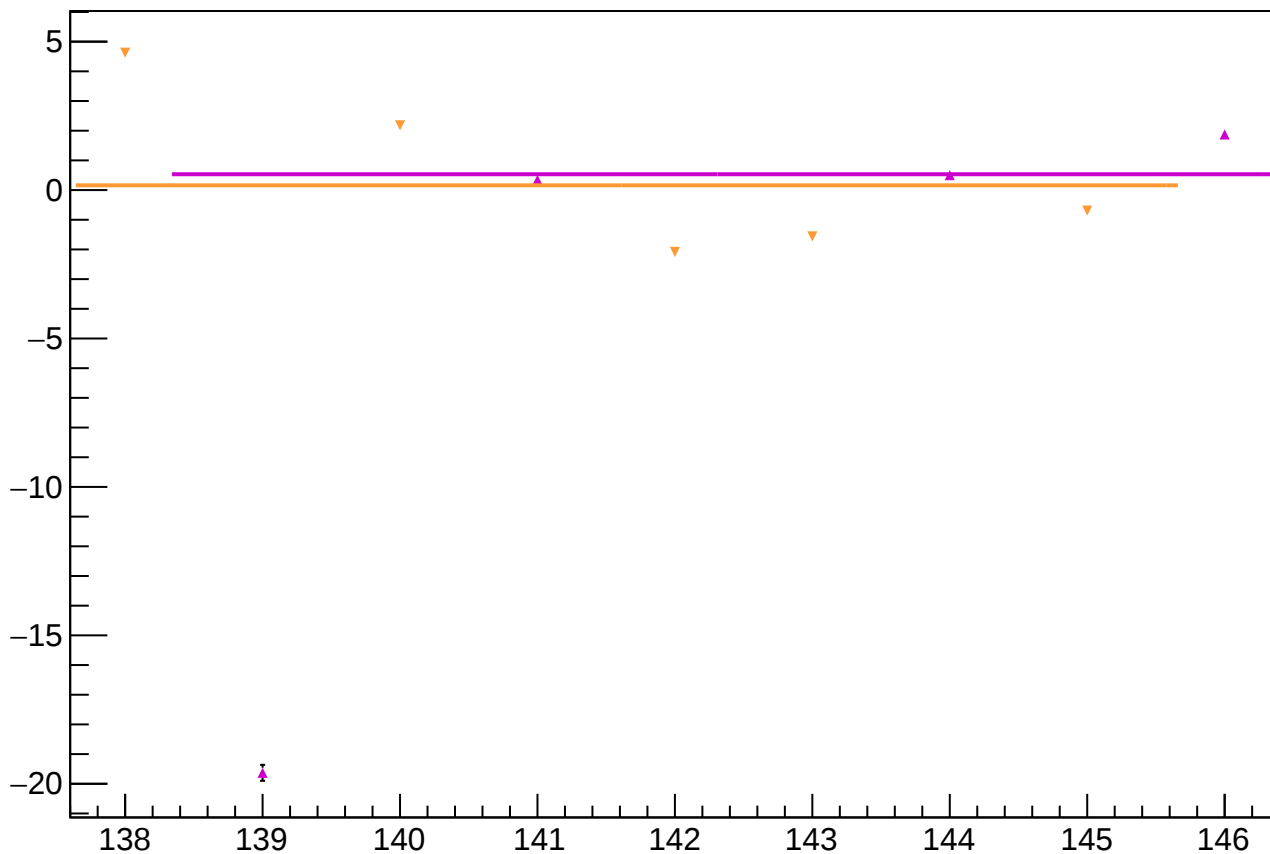
Left In: -1.328+/-0.061 χ^2/NDF : 686.5/3

-0.269+/-0.061 χ^2/NDF : 1275.0/4

-0.806+/-0.043 χ^2/NDF : 2112.6/8

-1.328+/-0.061 χ^2/NDF : 686.5/3

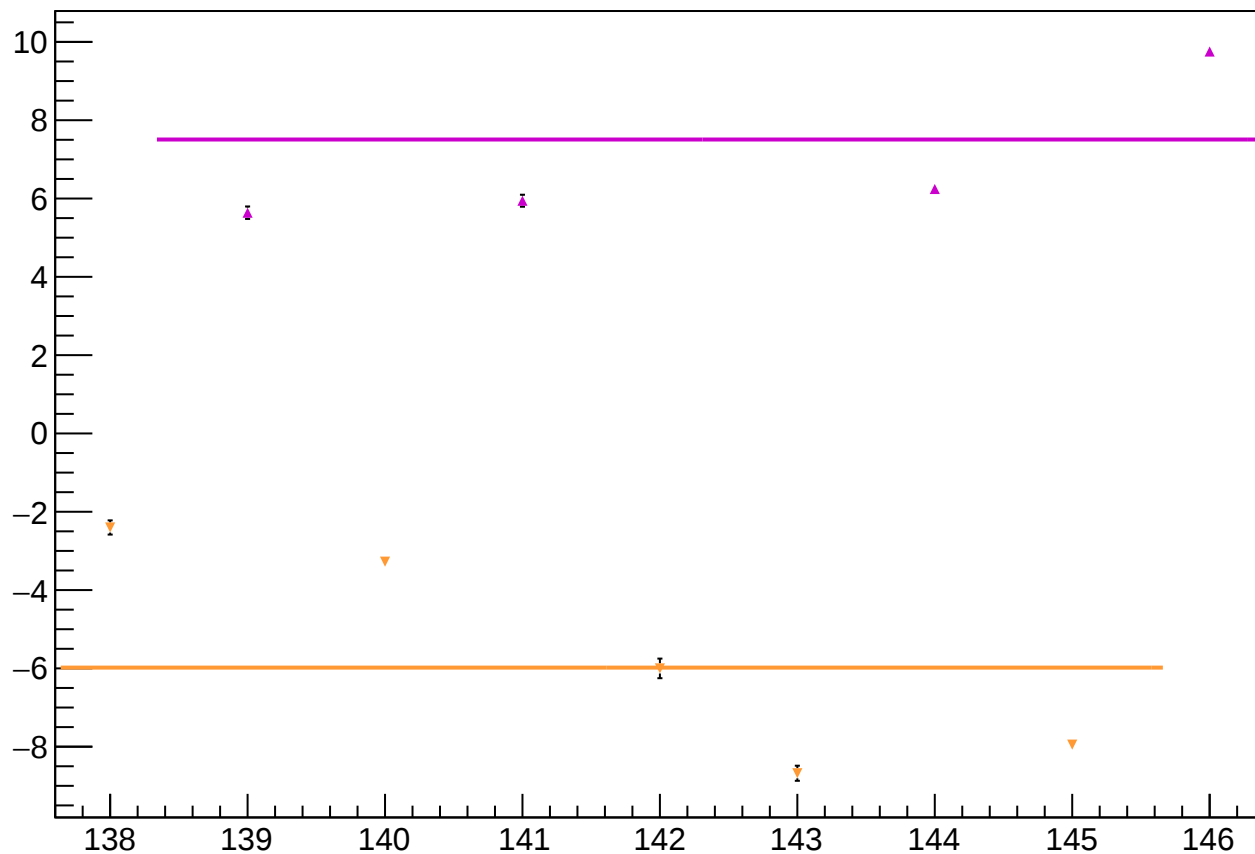
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.160+/-0.049 χ^2/NDF : 1648.5/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.533+/-0.045 χ^2/NDF : 6026.2/3

0.160+/-0.049 χ^2/NDF : 1648.5/4
 0.363+/-0.033 χ^2/NDF : 7706.1/8
 0.533+/-0.045 χ^2/NDF : 6026.2/3

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -5.980+/-0.065 χ^2/NDF : 1413.5/4

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

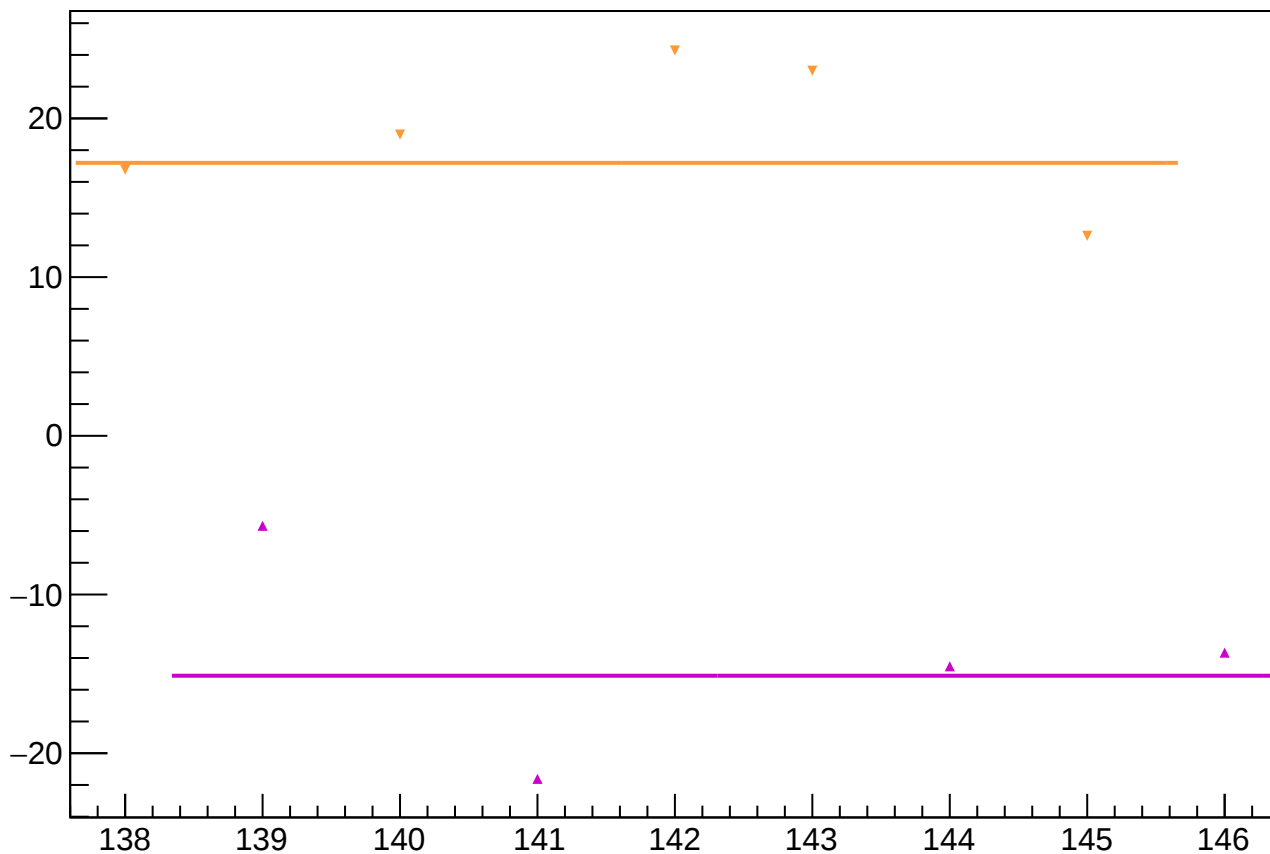
Left In: 7.507+/-0.062 χ^2/NDF : 878.0/3

-5.980+/-0.065 χ^2/NDF : 1413.5/4

1.087+/-0.045 χ^2/NDF : 24591.2/8

7.507+/-0.062 χ^2/NDF : 878.0/3

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 17.200+/-0.058 χ^2/NDF : 5998.3/4

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

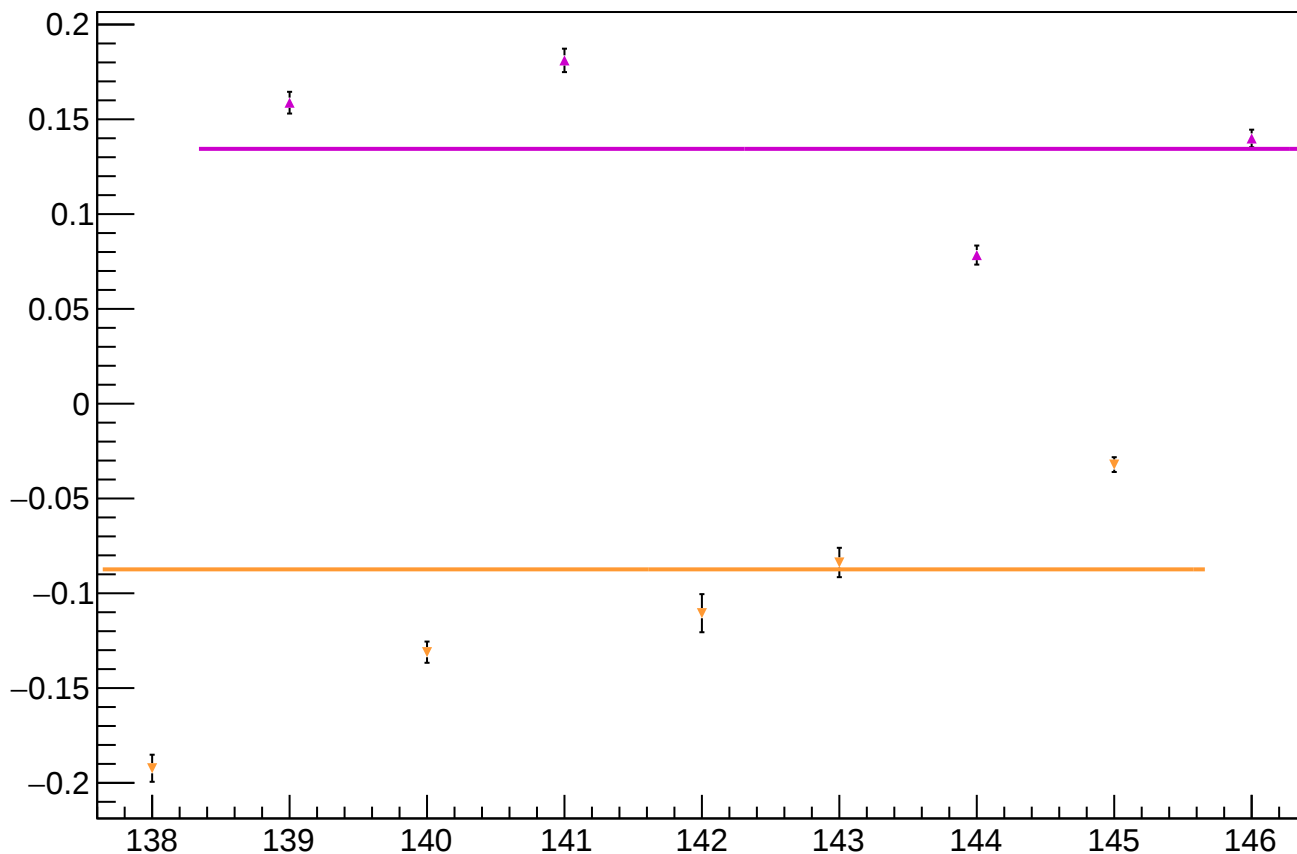
Left In: -15.117+/-0.054 χ^2/NDF : 4435.6/3

17.200+/-0.058 χ^2/NDF : 5998.3/4

-0.067+/-0.039 χ^2/NDF : 177422.7/8

-15.117+/-0.054 χ^2/NDF : 4435.6/3

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.087+/-0.003 χ^2/NDF : 482.1/4

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

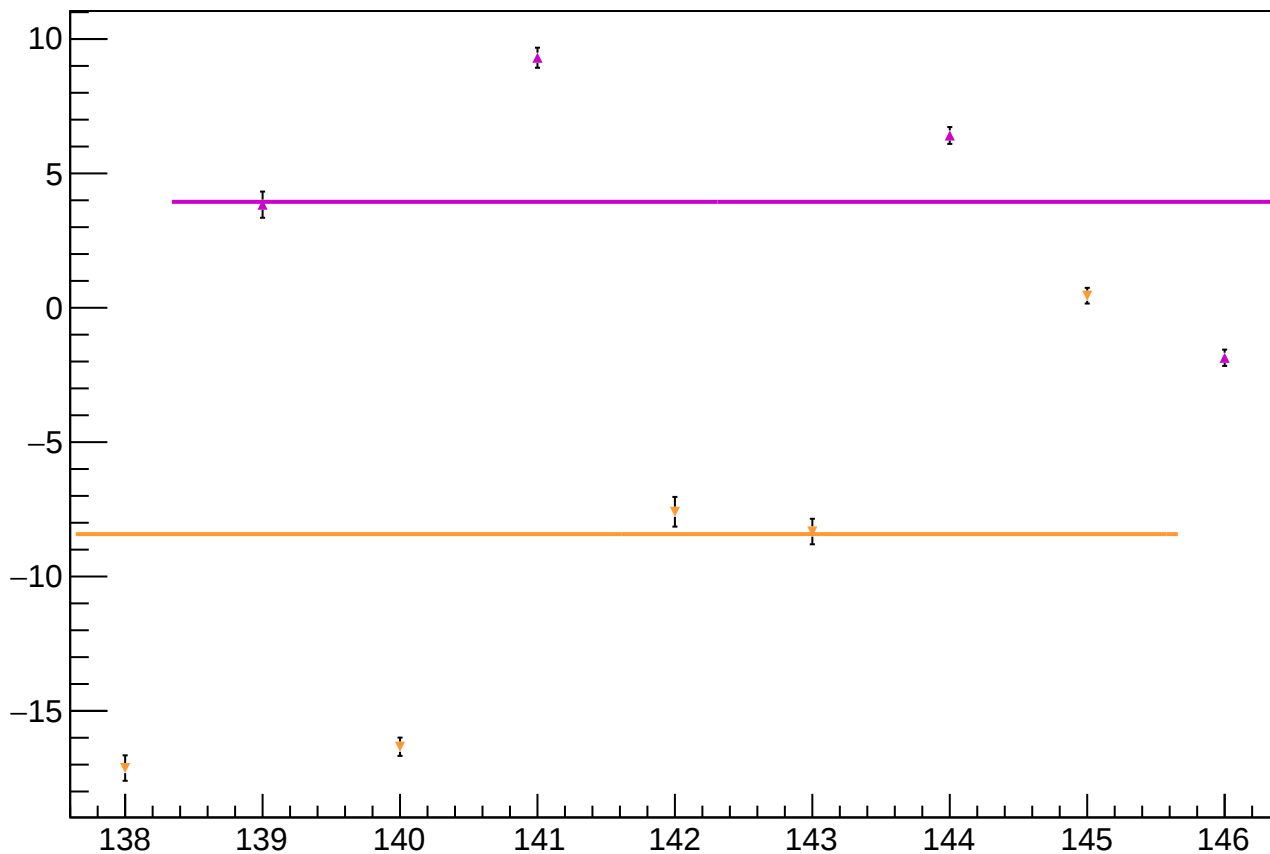
Left In: 0.134+/-0.003 χ^2/NDF : 200.7/3

-0.087+/-0.003 χ^2/NDF : 482.1/4

0.023+/-0.002 χ^2/NDF : 4204.1/8

0.134+/-0.003 χ^2/NDF : 200.7/3

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -8.423+/-0.175 χ^2/NDF : 1805.3/4

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

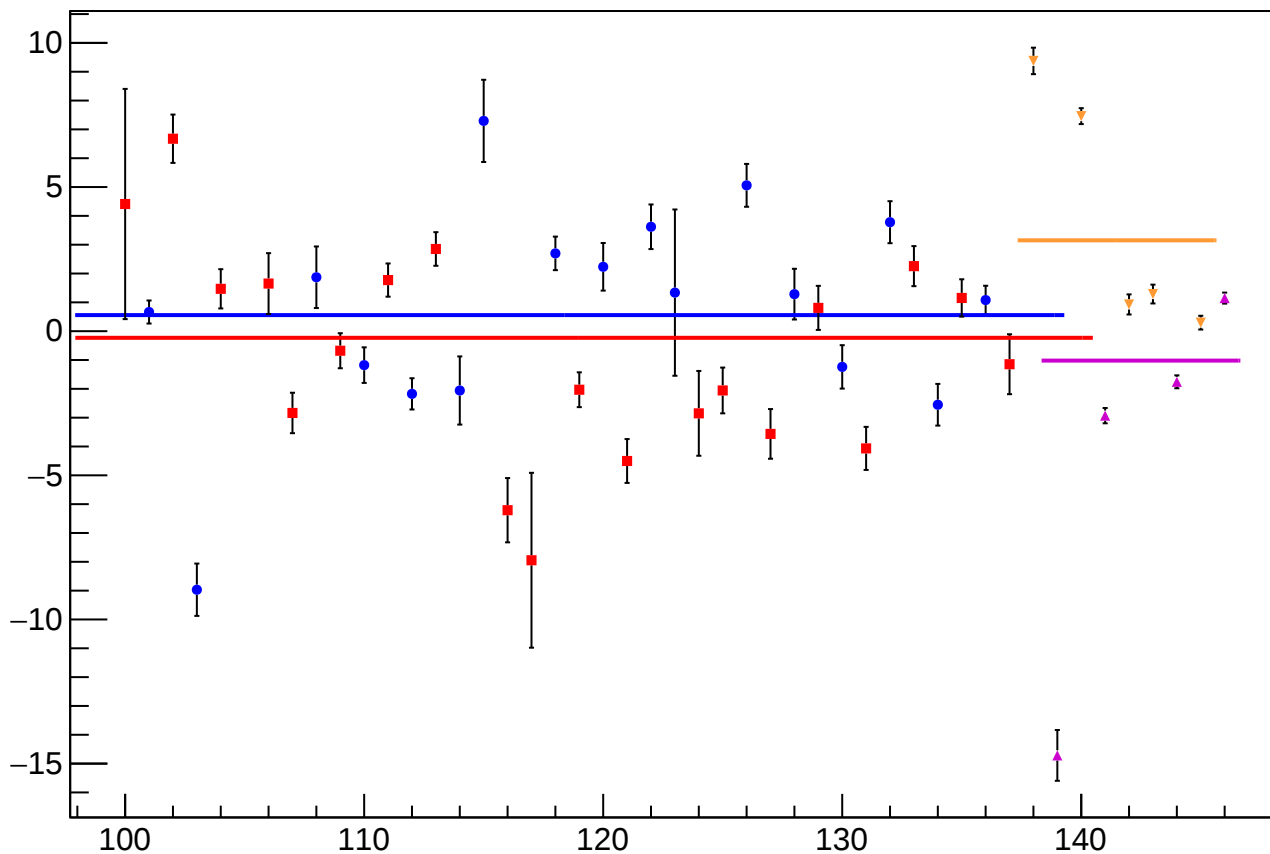
Left In: 3.942+/-0.176 χ^2/NDF : 633.6/3

-8.423+/-0.175 χ^2/NDF : 1805.3/4

-2.255+/-0.124 χ^2/NDF : 4921.0/8

3.942+/-0.176 χ^2/NDF : 633.6/3

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 $\pm$ 0.170 χ^2 /NDF: 287.9/16

Left Out: 3.152 $\pm$ 0.137 χ^2 /NDF: 643.1/4

Right Out: -0.230 $\pm$ 0.174 χ^2 /NDF: 278.5/19

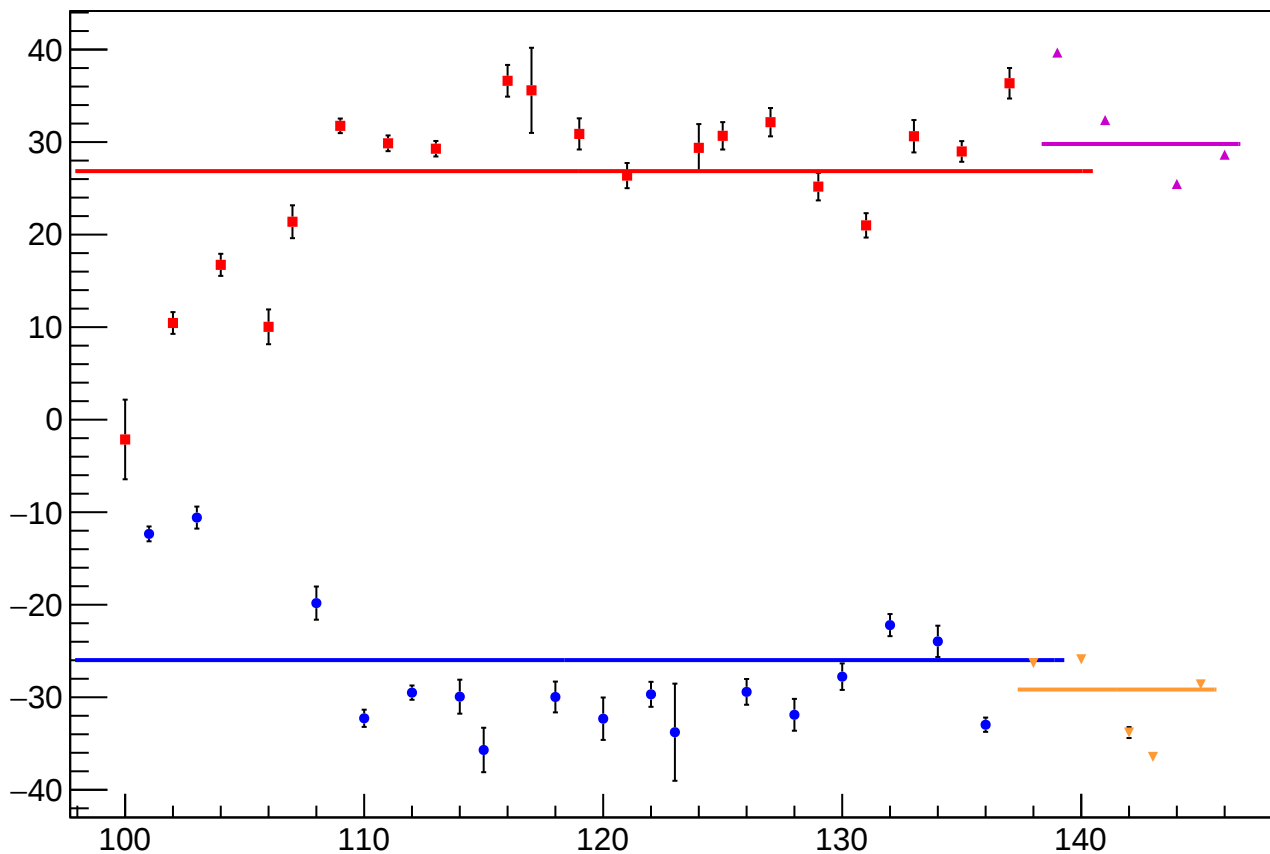
Left In: -1.020 $\pm$ 0.126 χ^2 /NDF: 433.1/3

2.129 $\pm$ 0.107 χ^2 /NDF: 1071.8/21

0.625 $\pm$ 0.074 χ^2 /NDF: 2175.7/45

-0.749 $\pm$ 0.102 χ^2 /NDF: 725.2/23

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -29.167 ± 0.187 χ^2/NDF : 383.7/4

Right Out: 26.861 ± 0.297 χ^2/NDF : 585.2/19

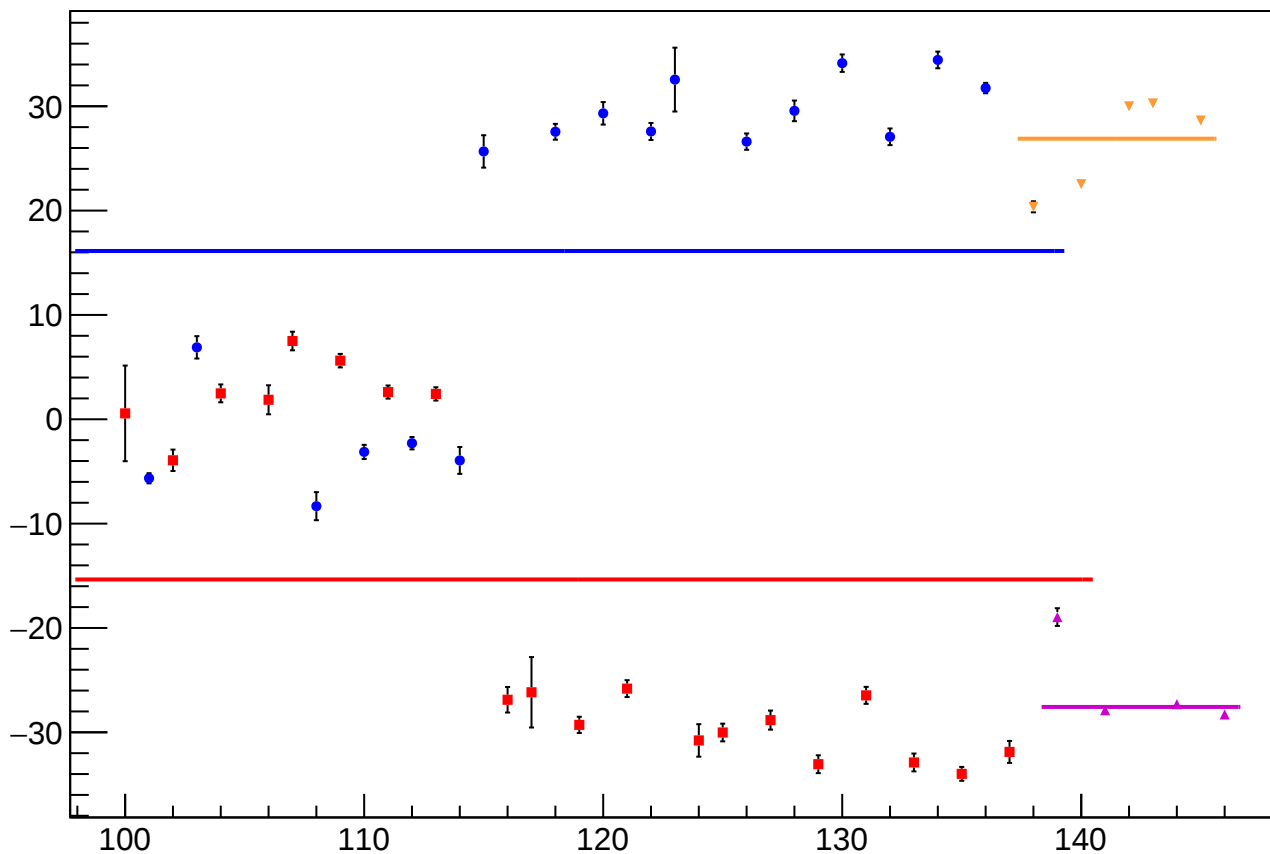
Left In: 29.794 ± 0.181 χ^2/NDF : 573.9/3

-28.279 ± 0.159 χ^2/NDF : 1156.1/21

1.117 ± 0.111 χ^2/NDF : 69250.6/45

29.000 ± 0.155 χ^2/NDF : 1230.2/23

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129+/-0.192 χ^2/NDF : 7572.5/16

Left Out: 26.891+/-0.163 χ^2/NDF : 489.6/4

Right Out: -15.352+/-0.197 χ^2/NDF : 7288.4/19

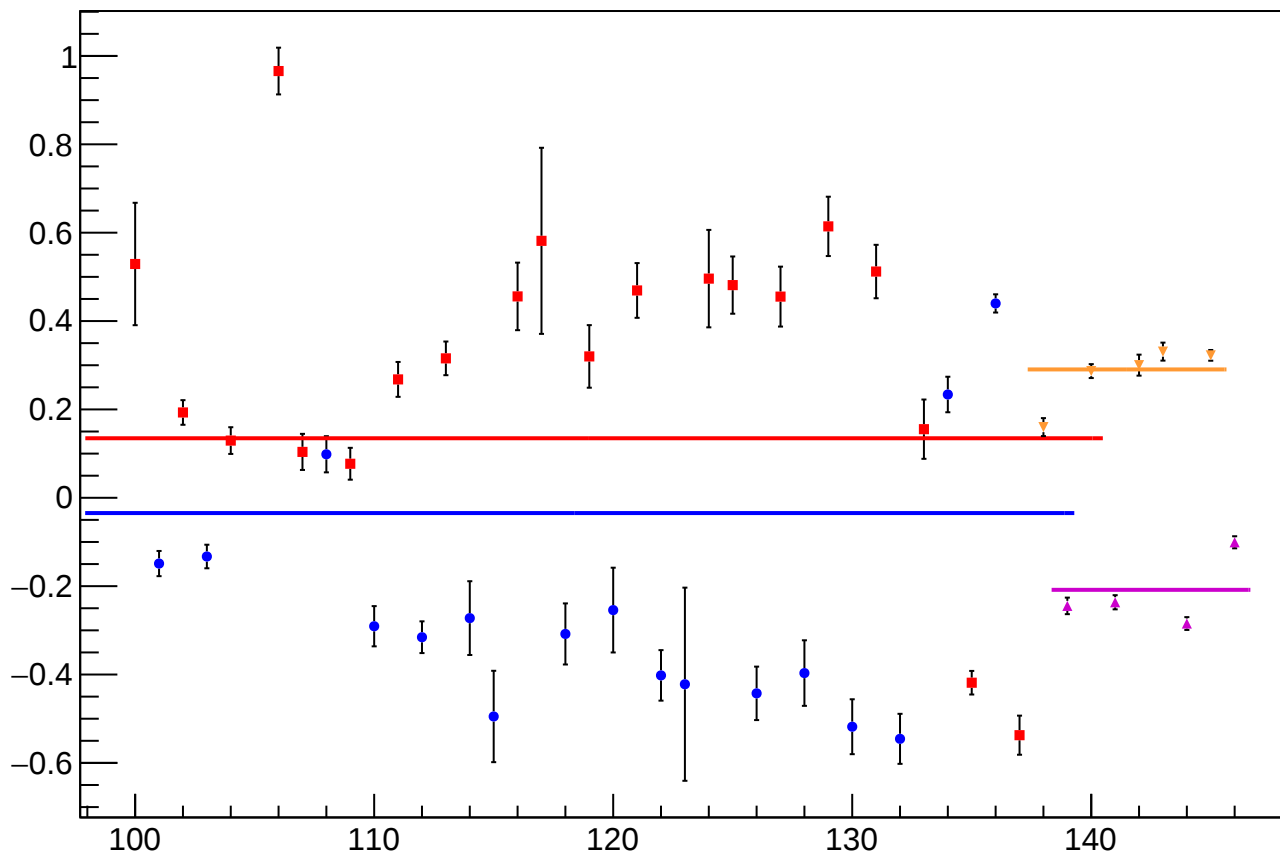
Left In: -27.568+/-0.153 χ^2/NDF : 114.1/3

22.399+/-0.124 χ^2/NDF : 9891.6/21

-0.931+/-0.086 χ^2/NDF : 88455.6/45

-22.975+/-0.121 χ^2/NDF : 9809.8/23

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 ± 0.010 $\chi^2/\text{NDF}: 1011.6/16$

Left Out: 0.291 ± 0.008 $\chi^2/\text{NDF}: 52.2/4$

Right Out: 0.135 ± 0.010 $\chi^2/\text{NDF}: 1166.4/19$

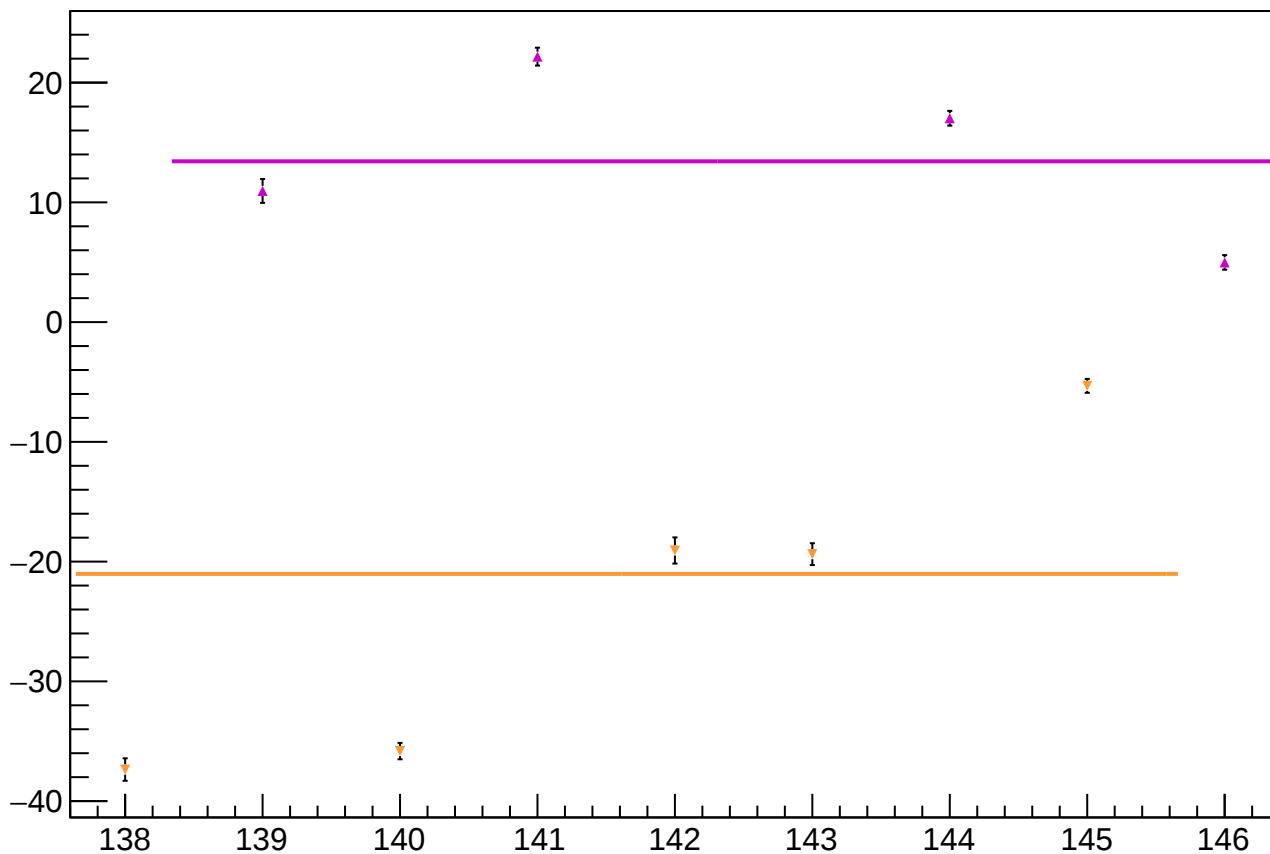
Left In: -0.208 ± 0.008 $\chi^2/\text{NDF}: 96.5/3$

0.177 ± 0.006 $\chi^2/\text{NDF}: 1707.6/21$

0.047 ± 0.004 $\chi^2/\text{NDF}: 4591.9/45$

-0.086 ± 0.006 $\chi^2/\text{NDF}: 1968.7/23$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -21.026+/-0.348 χ^2/NDF : 1505.3/4

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

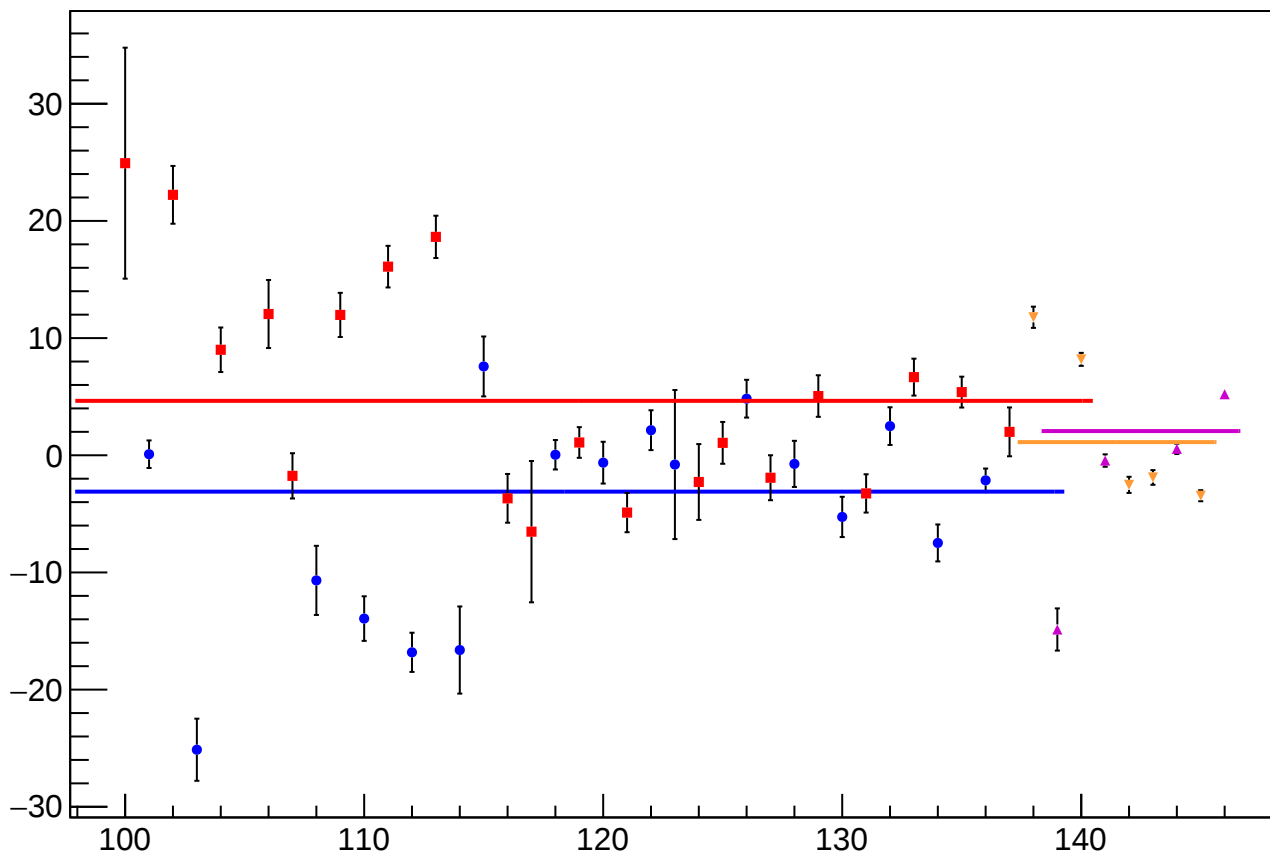
Left In: 13.427+/-0.351 χ^2/NDF : 368.0/3

-21.026+/-0.348 χ^2/NDF : 1505.3/4

-3.951+/-0.247 χ^2/NDF : 6732.1/8

13.427+/-0.351 χ^2/NDF : 368.0/3

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 $\chi^2/\text{NDF}: 279.1/16$

Left Out: 1.124 ± 0.271 $\chi^2/\text{NDF}: 444.7/4$

Right Out: 4.645 ± 0.425 $\chi^2/\text{NDF}: 301.1/19$

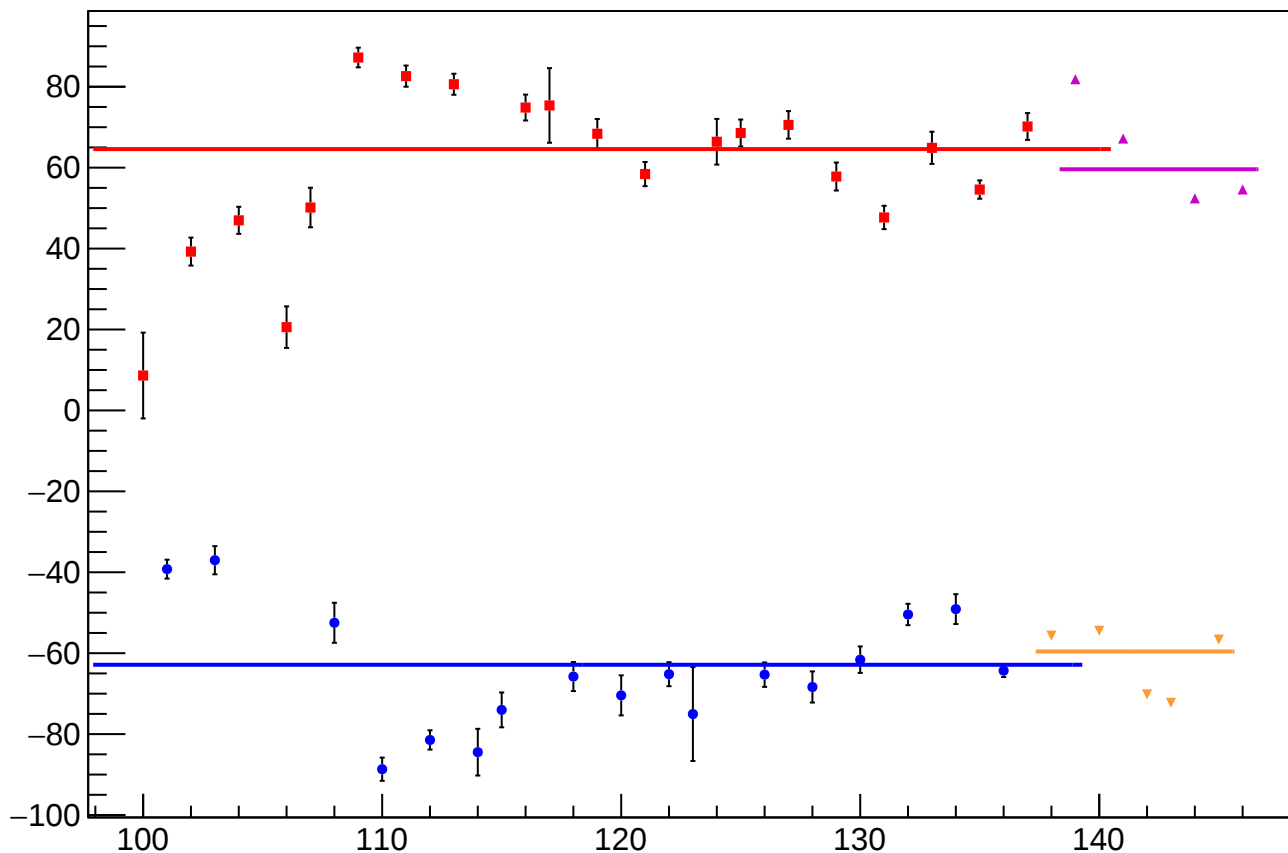
Left In: 2.065 ± 0.249 $\chi^2/\text{NDF}: 192.4/3$

-0.158 ± 0.226 $\chi^2/\text{NDF}: 797.6/21$

1.357 ± 0.156 $\chi^2/\text{NDF}: 1403.6/45$

2.725 ± 0.215 $\chi^2/\text{NDF}: 520.8/23$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863+/-0.741 χ^2/NDF : 368.7/16

Left Out: -59.575+/-0.371 χ^2/NDF : 338.6/4

Right Out: 64.588+/-0.749 χ^2/NDF : 445.6/19

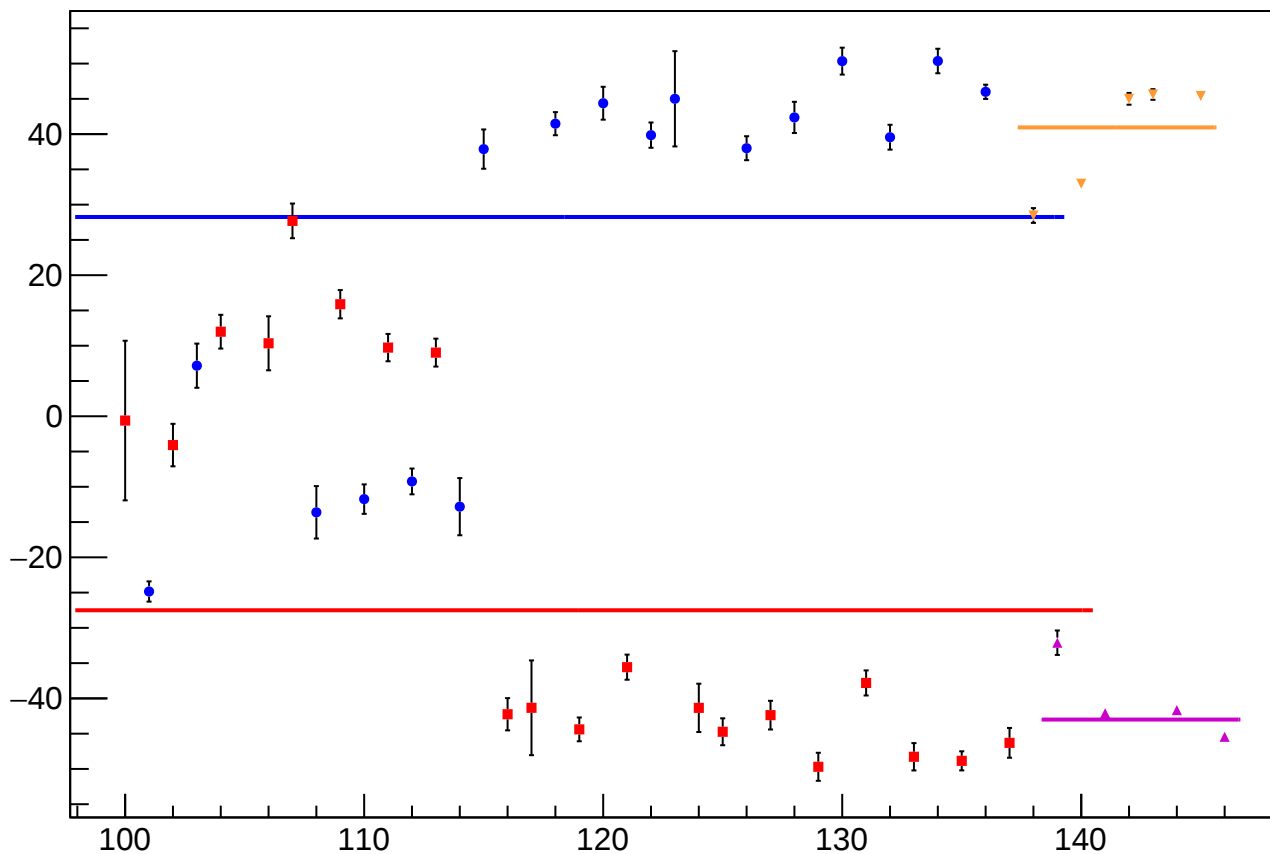
Left In: 59.603+/-0.362 χ^2/NDF : 707.3/3

-60.235+/-0.332 χ^2/NDF : 723.1/21

1.285+/-0.232 χ^2/NDF : 69376.6/45

60.545+/-0.326 χ^2/NDF : 1188.8/23

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250+/-0.460 χ^2/NDF : 3319.5/16

Left Out: 40.947+/-0.321 χ^2/NDF : 412.1/4

Right Out: -27.505+/-0.478 χ^2/NDF : 3036.7/19

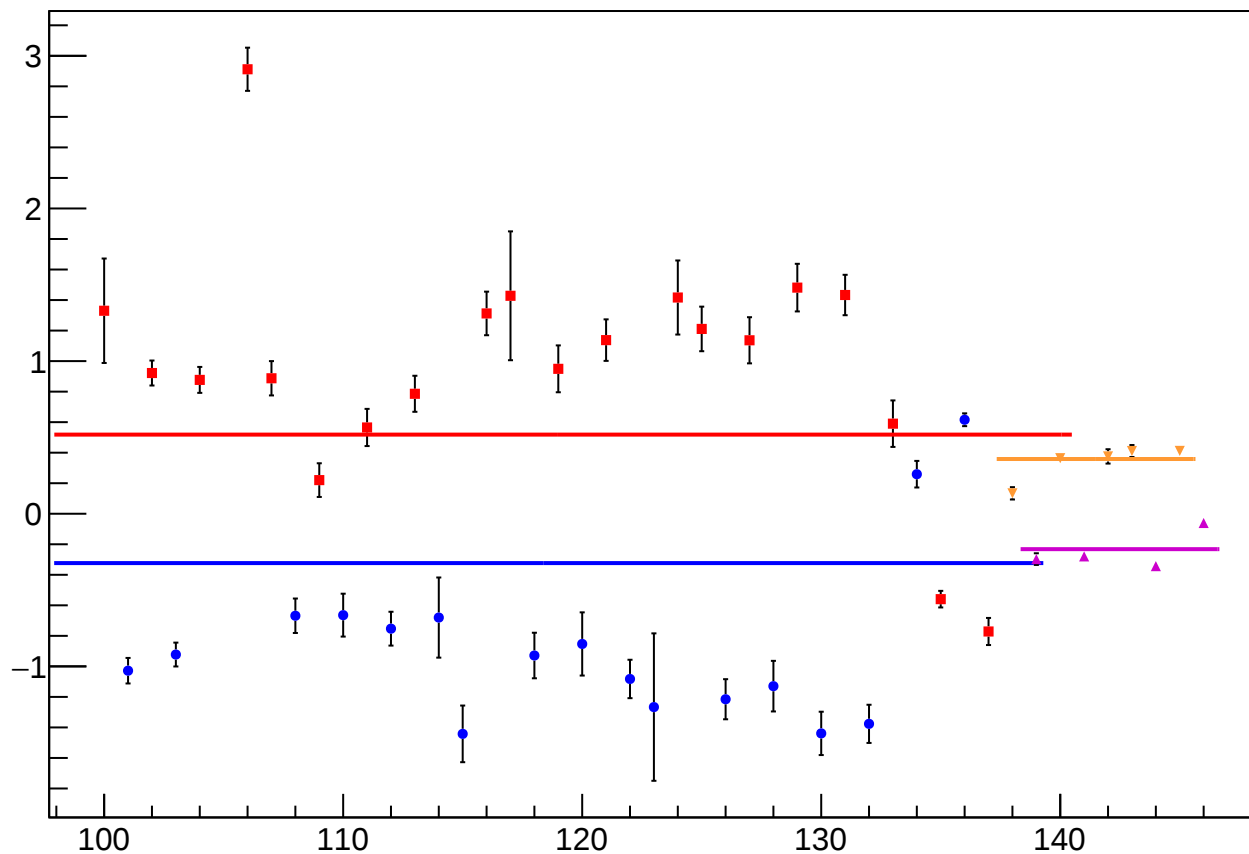
Left In: -42.999+/-0.303 χ^2/NDF : 74.5/3

36.785+/-0.263 χ^2/NDF : 4243.5/21

-1.987+/-0.184 χ^2/NDF : 50193.1/45

-38.553+/-0.256 χ^2/NDF : 3861.7/23

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.359 ± 0.015 $\chi^2/\text{NDF}: 37.7/4$

Right Out: 0.518 ± 0.026 $\chi^2/\text{NDF}: 1165.5/19$

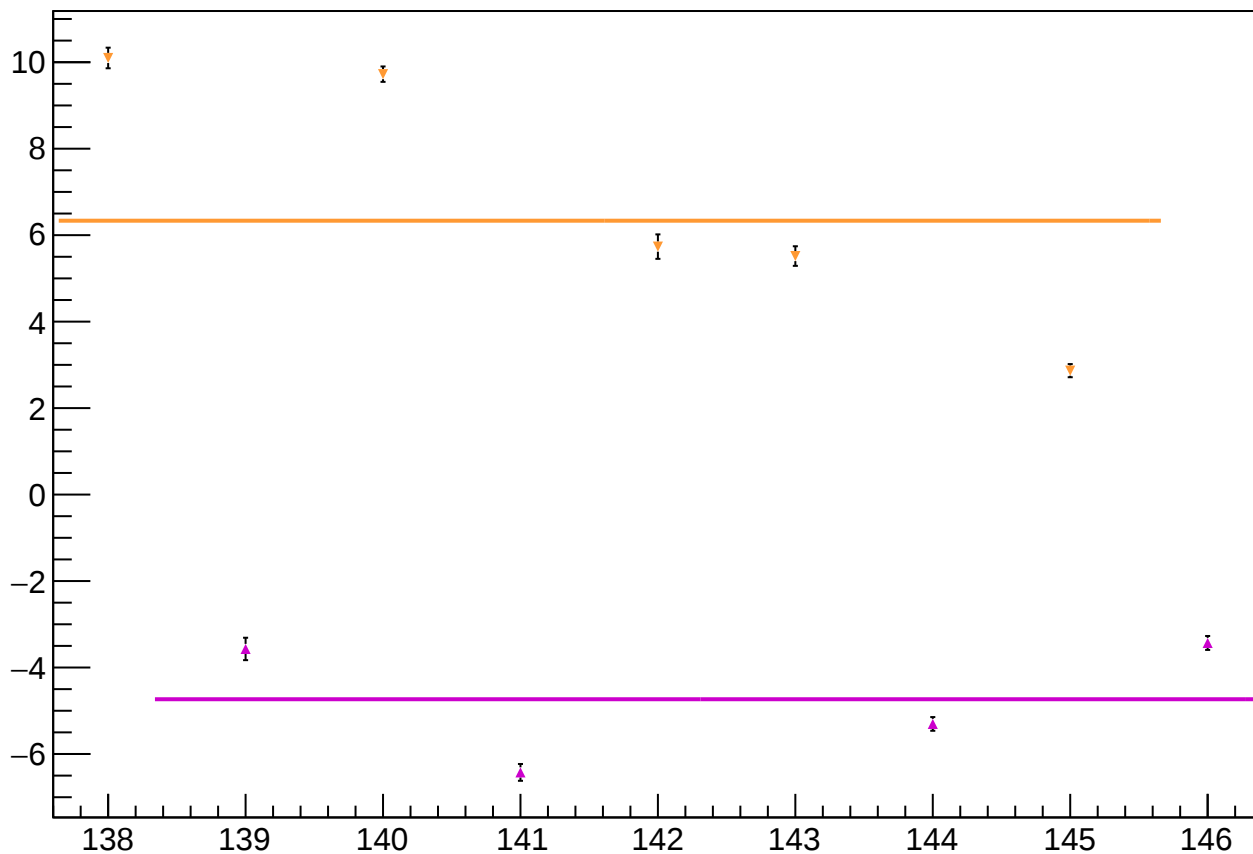
Left In: -0.232 ± 0.015 $\chi^2/\text{NDF}: 59.4/3$

0.177 ± 0.013 $\chi^2/\text{NDF}: 1596.0/21$

0.074 ± 0.009 $\chi^2/\text{NDF}: 3577.8/45$

-0.034 ± 0.013 $\chi^2/\text{NDF}: 1851.8/23$

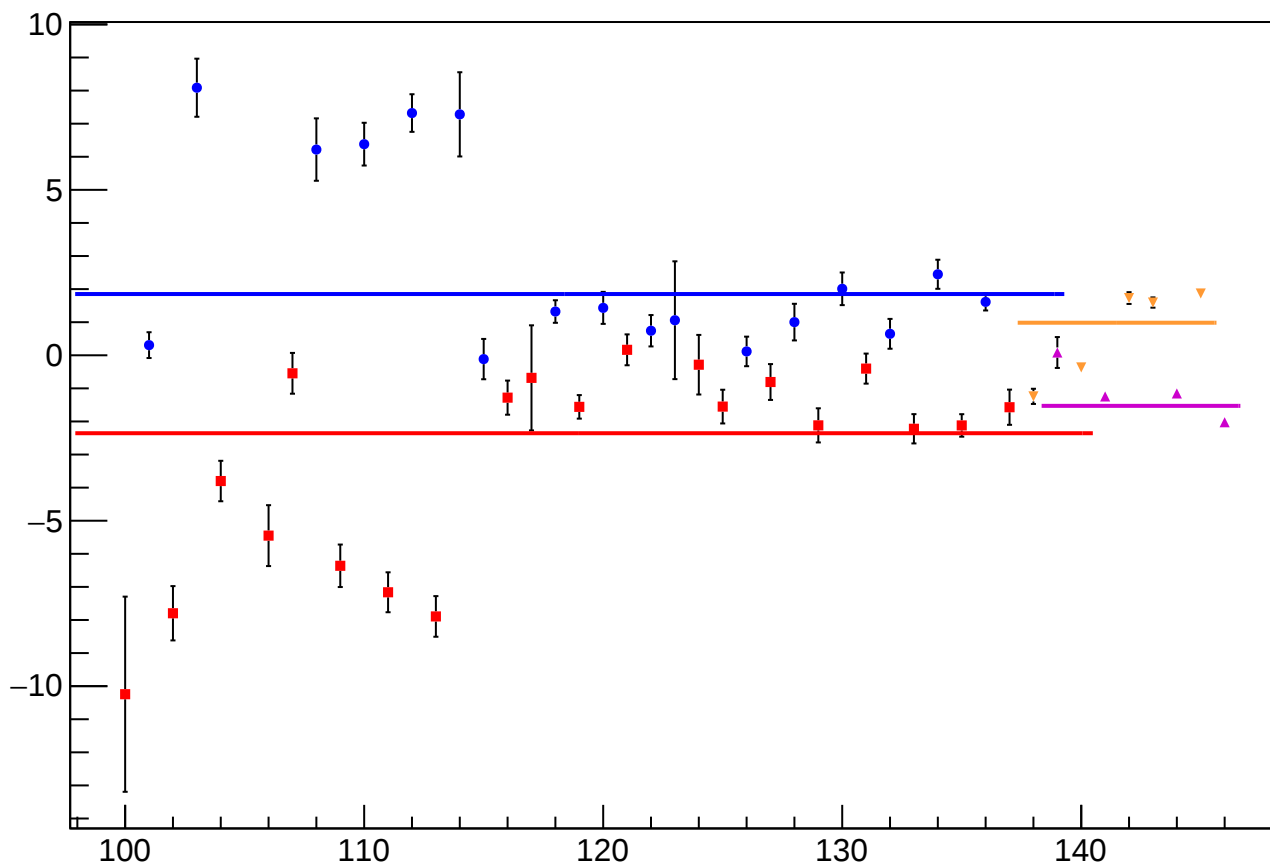
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.334 $\pm$ 0.090 χ^2 /NDF:1149.0/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.734 $\pm$ 0.091 χ^2 /NDF:174.1/3

6.334 $\pm$ 0.090 χ^2 /NDF: 1149.0/4
 0.907 $\pm$ 0.064 χ^2 /NDF: 8791.1/8
 -4.734 $\pm$ 0.091 χ^2 /NDF: 174.1/3

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

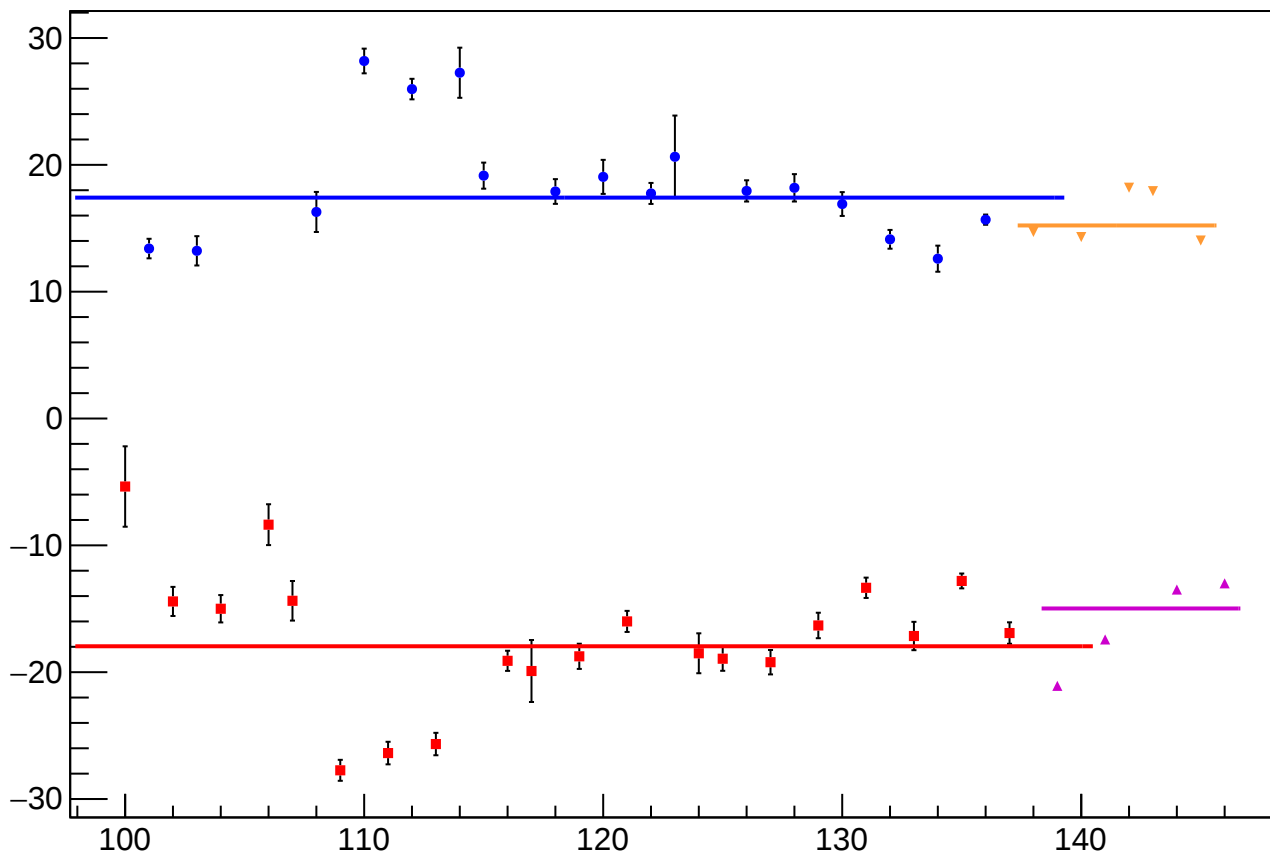


1.211 $\pm$ 0.060 χ^2/NDF : 600.7/21

-0.319 $\pm$ 0.041 χ^2/NDF : 2272.3/45

-1.709 $\pm$ 0.057 χ^2/NDF : 426.0/23

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 ± 0.213 $\chi^2/\text{NDF}: 367.0/16$

Left Out: 15.222 ± 0.096 $\chi^2/\text{NDF}: 302.9/4$

Right Out: -17.957 ± 0.218 $\chi^2/\text{NDF}: 506.2/19$

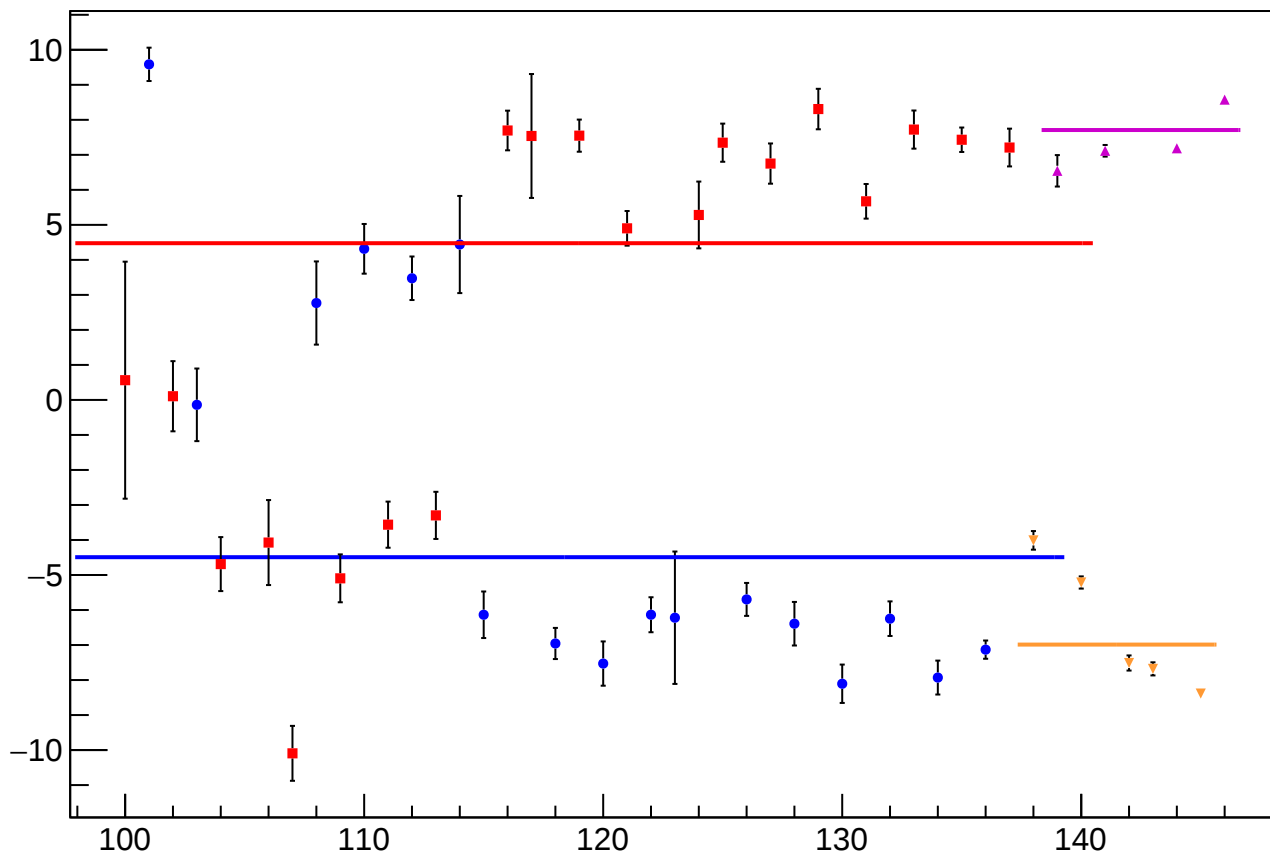
Left In: -14.977 ± 0.094 $\chi^2/\text{NDF}: 853.3/3$

15.592 ± 0.087 $\chi^2/\text{NDF}: 758.5/21$

-0.062 ± 0.061 $\chi^2/\text{NDF}: 66027.6/45$

-15.446 ± 0.087 $\chi^2/\text{NDF}: 1516.6/23$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 $\chi^2/\text{NDF}: 1585.4/16$

Left Out: -6.988 ± 0.083 $\chi^2/\text{NDF}: 345.6/4$

Right Out: 4.476 ± 0.137 $\chi^2/\text{NDF}: 1342.0/19$

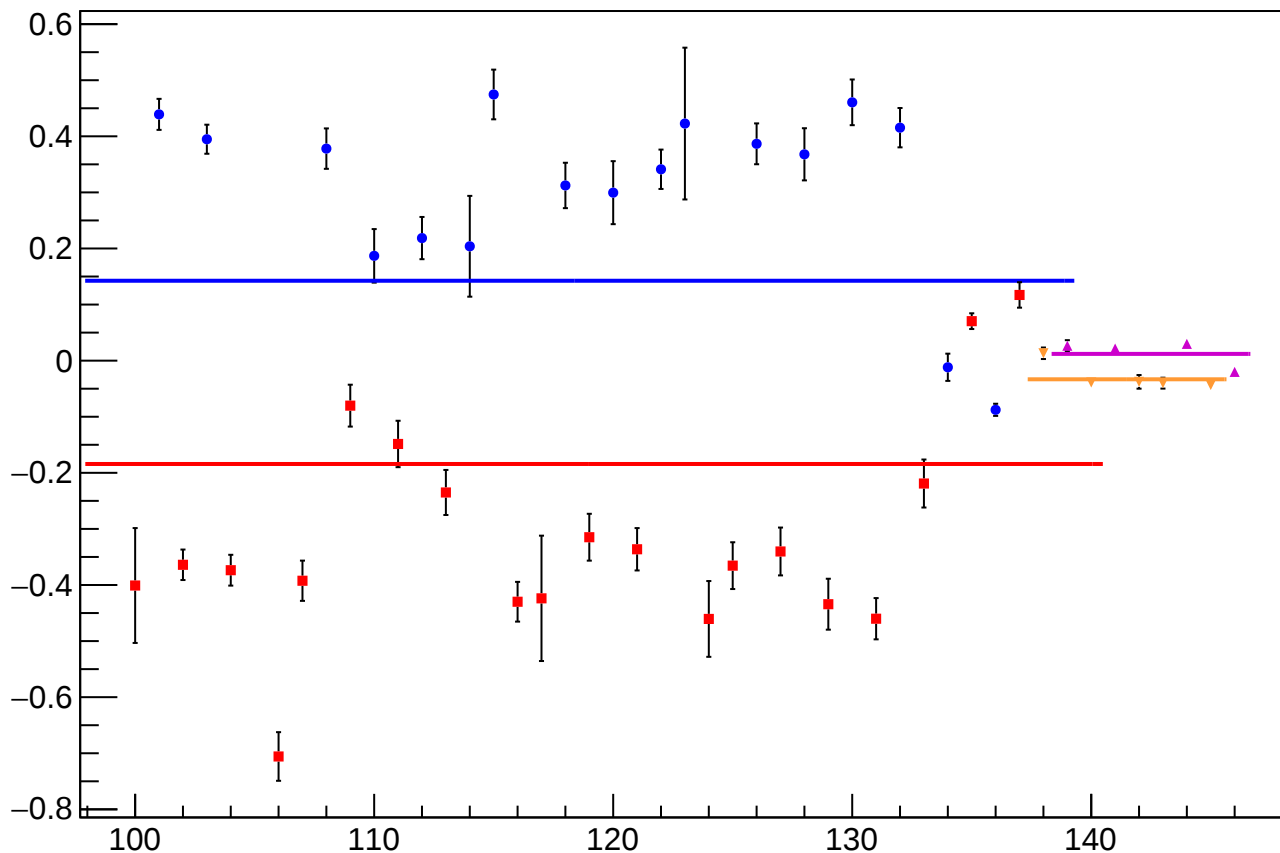
Left In: 7.709 ± 0.079 $\chi^2/\text{NDF}: 83.5/3$

-6.273 ± 0.070 $\chi^2/\text{NDF}: 2192.3/21$

0.472 ± 0.049 $\chi^2/\text{NDF}: 22288.1/45$

6.904 ± 0.068 $\chi^2/\text{NDF}: 1846.0/23$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142+/-0.007 χ^2/NDF : 1058.8/16

Left Out: -0.184+/-0.007 χ^2/NDF : 1005.5/19

Right Out: -0.033+/-0.004 χ^2/NDF : 24.1/4

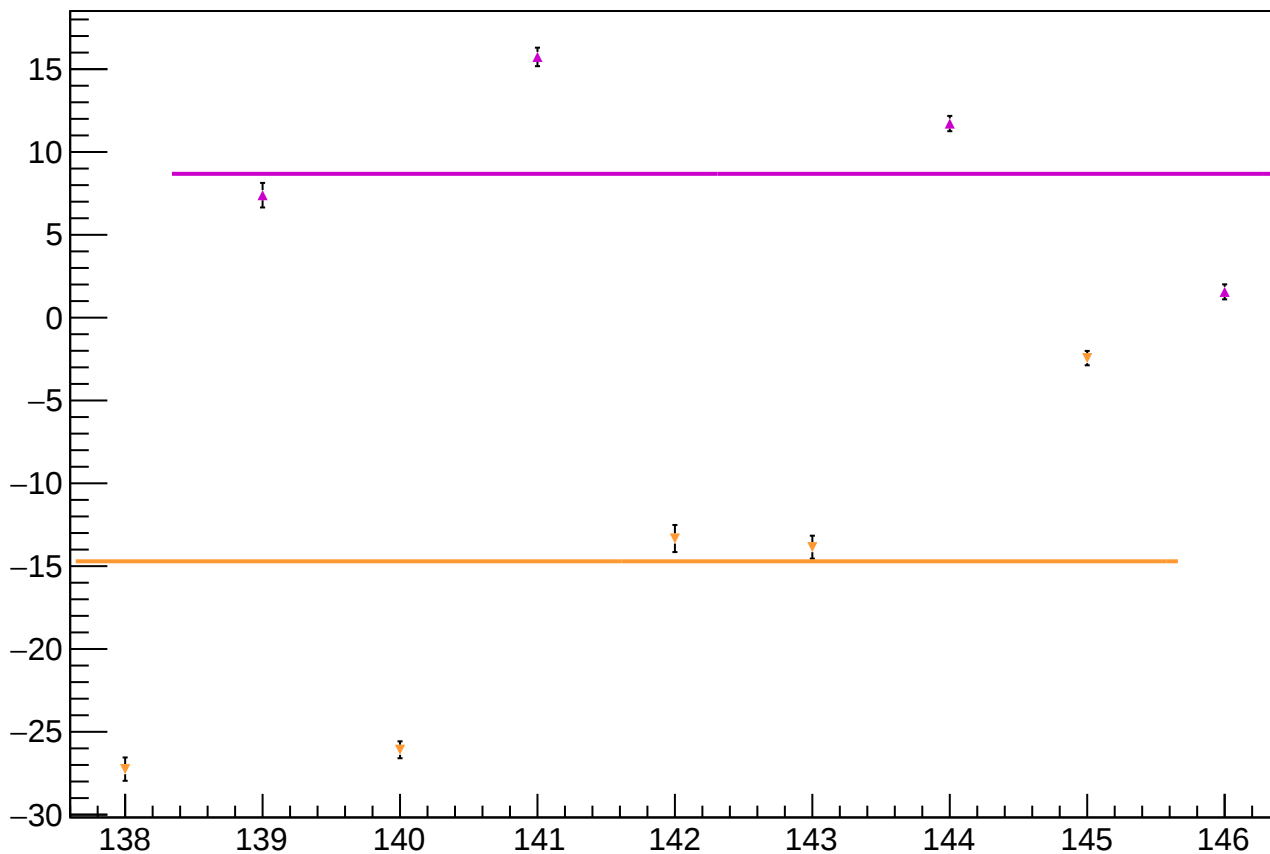
Left In: 0.012+/-0.004 χ^2/NDF : 29.1/3

0.008+/-0.003 χ^2/NDF : 1557.4/21

-0.012+/-0.002 χ^2/NDF : 3203.7/45

-0.033+/-0.004 χ^2/NDF : 1579.4/23

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -14.707 $\pm$ 0.260 χ^2 /NDF:1615.9/4

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

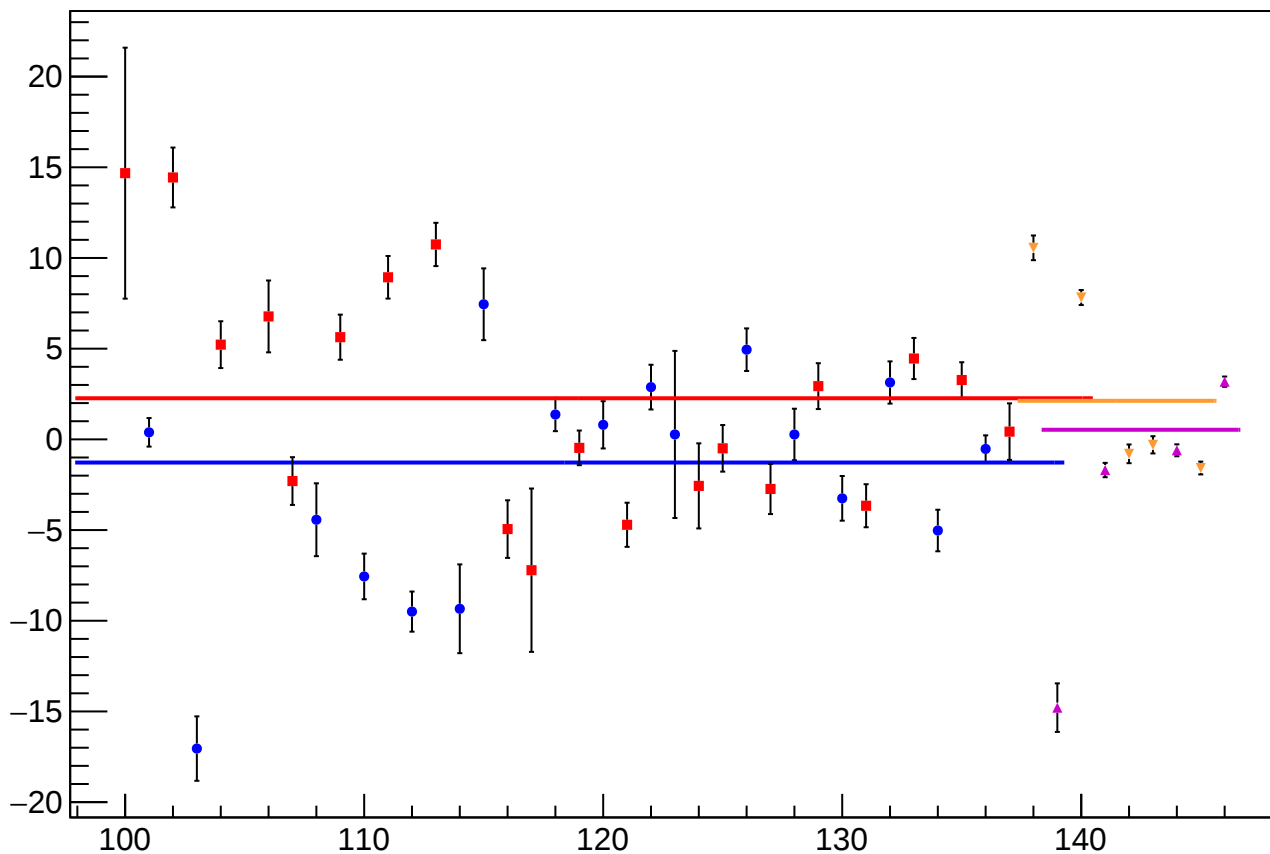
Left In: 8.682 $\pm$ 0.262 χ^2 /NDF:451.6/3

-14.707 $\pm$ 0.260 χ^2 /NDF: 1615.9/4

-3.085 $\pm$ 0.185 χ^2 /NDF: 6073.7/8

8.682 $\pm$ 0.262 χ^2 /NDF: 451.6/3

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 2.126 ± 0.203 χ^2/NDF : 510.4/4

Right Out: 2.266 ± 0.302 χ^2/NDF : 289.8/19

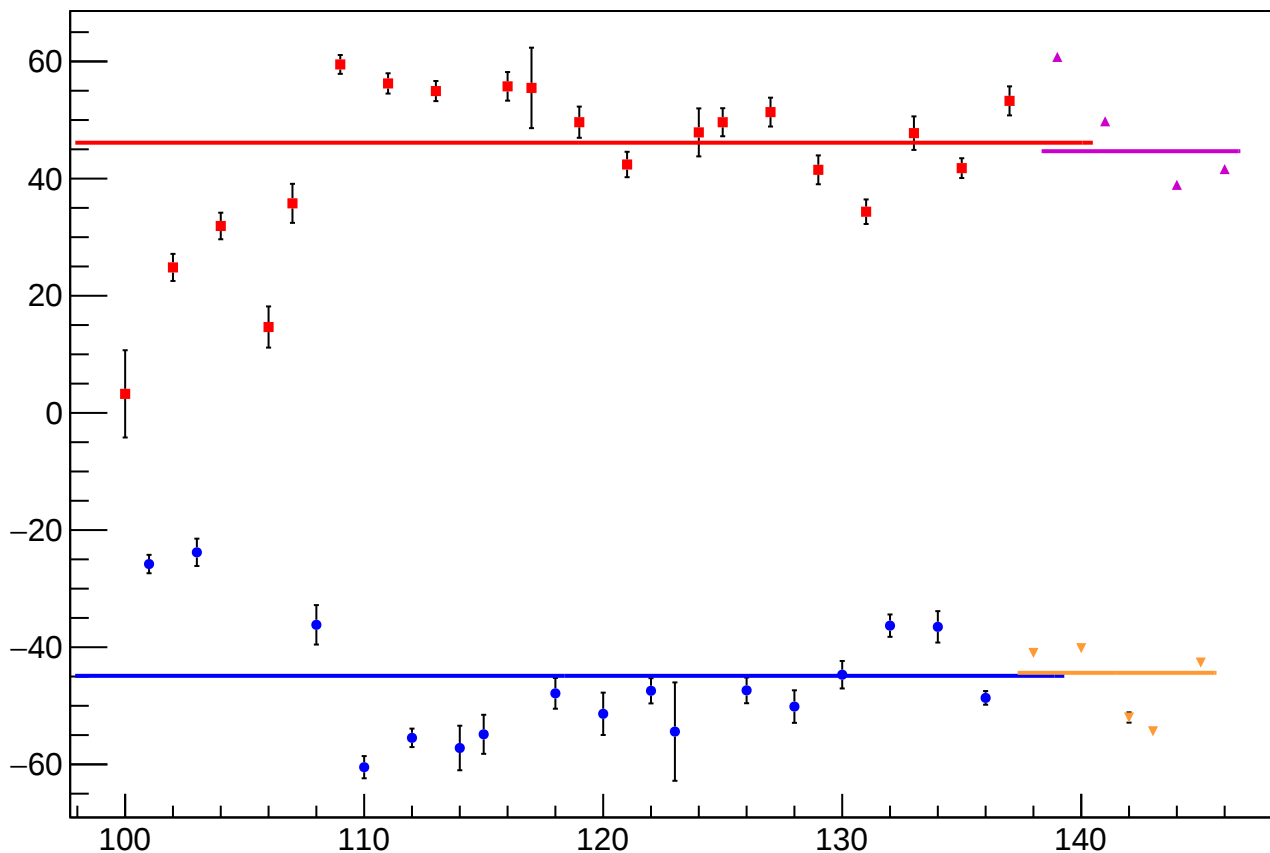
Left In: 0.529 ± 0.187 χ^2/NDF : 262.3/3

1.016 ± 0.167 χ^2/NDF : 878.2/21

1.013 ± 0.115 χ^2/NDF : 1454.3/45

1.011 ± 0.159 χ^2/NDF : 576.0/23

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 $\chi^2/\text{NDF}: 421.0/16$

Left Out: -44.368 ± 0.278 $\chi^2/\text{NDF}: 352.6/4$

Right Out: 46.130 ± 0.527 $\chi^2/\text{NDF}: 456.1/19$

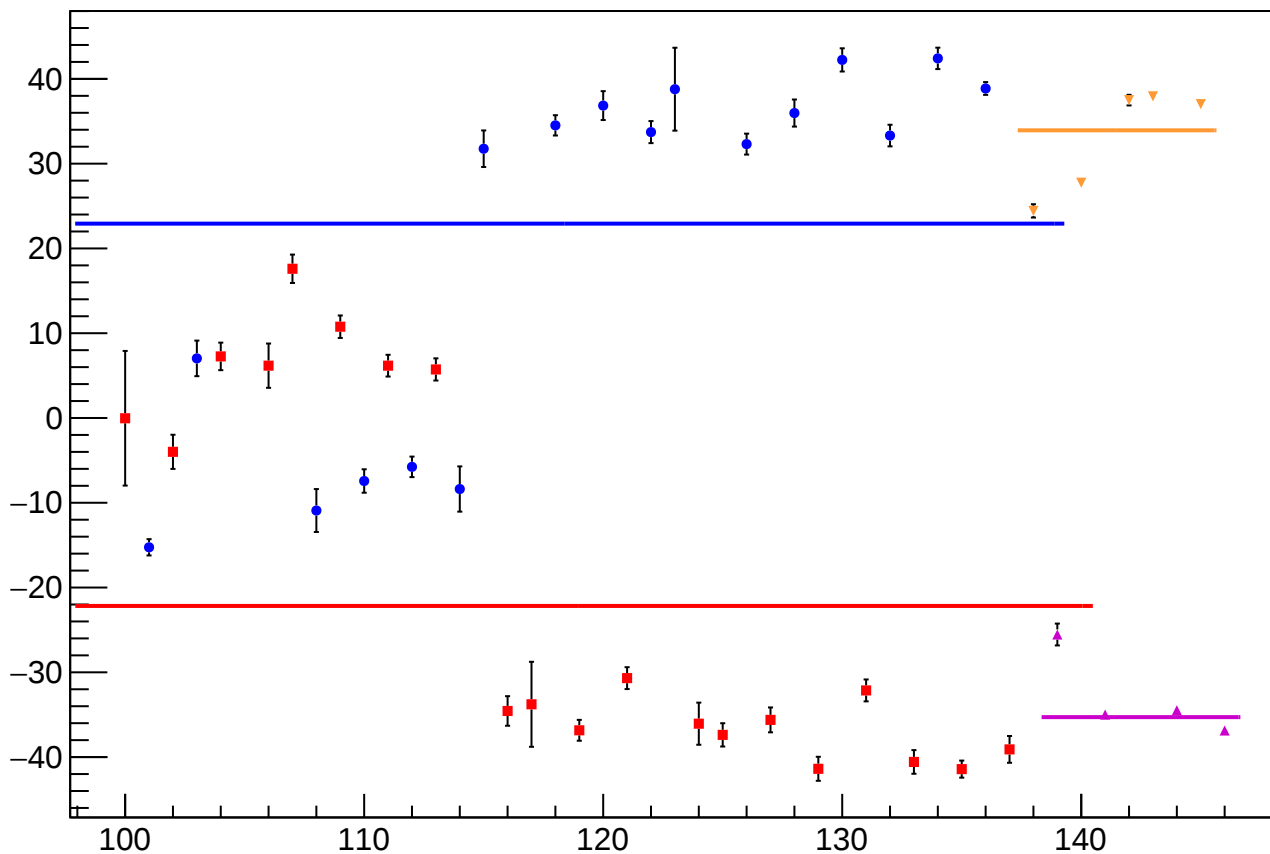
Left In: 44.678 ± 0.270 $\chi^2/\text{NDF}: 659.9/3$

-44.481 ± 0.246 $\chi^2/\text{NDF}: 774.3/21$

1.206 ± 0.172 $\chi^2/\text{NDF}: 69707.1/45$

44.980 ± 0.240 $\chi^2/\text{NDF}: 1122.0/23$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926+/-0.328 χ^2/NDF : 4330.2/16

Left Out: 33.932+/-0.241 χ^2/NDF : 437.2/4

Right Out: -22.170+/-0.339 χ^2/NDF : 4038.8/19

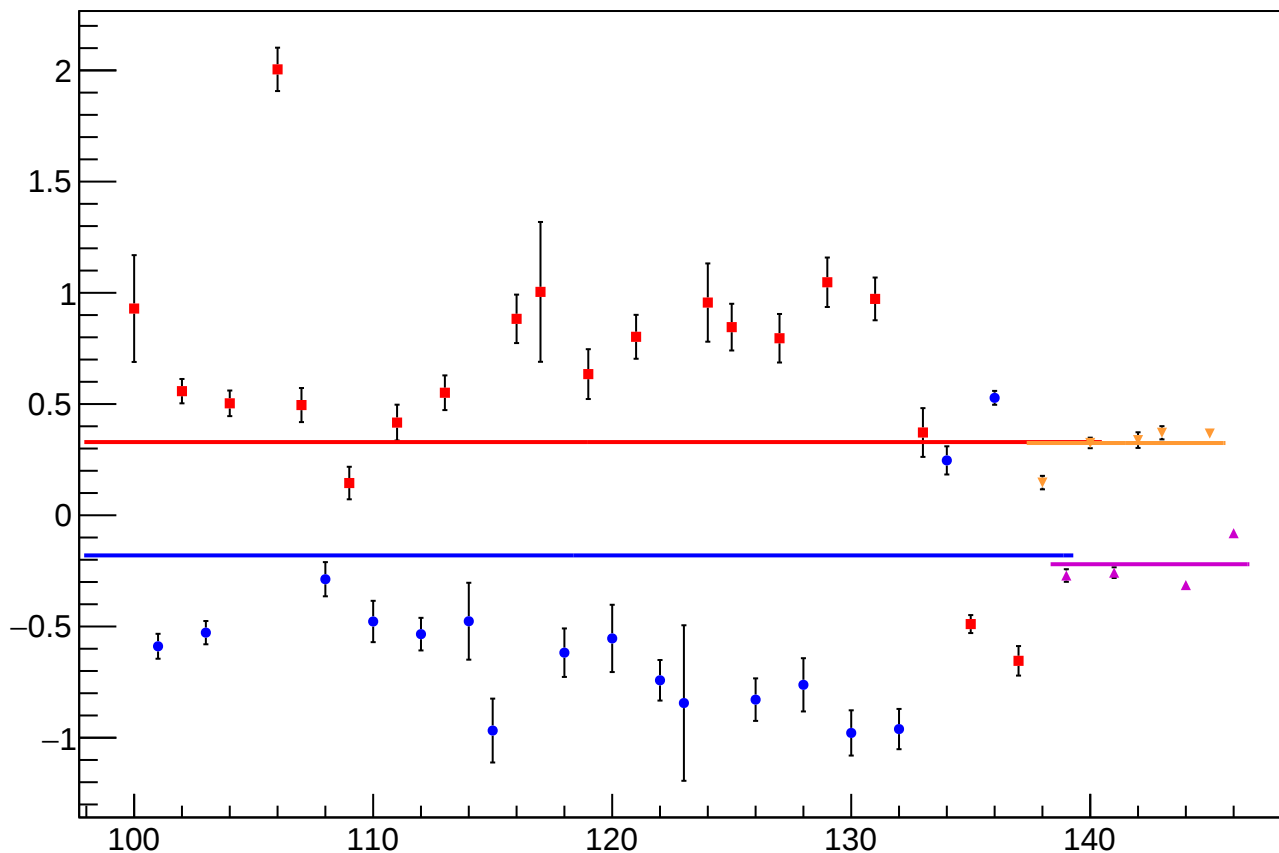
Left In: -35.286+/-0.227 χ^2/NDF : 81.6/3

30.077+/-0.194 χ^2/NDF : 5498.7/21

-1.491+/-0.135 χ^2/NDF : 62001.7/45

-31.237+/-0.188 χ^2/NDF : 5154.1/23

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.325 ± 0.011 χ^2/NDF : 42.6/4

Right Out: 0.329 ± 0.018 χ^2/NDF : 1180.2/19

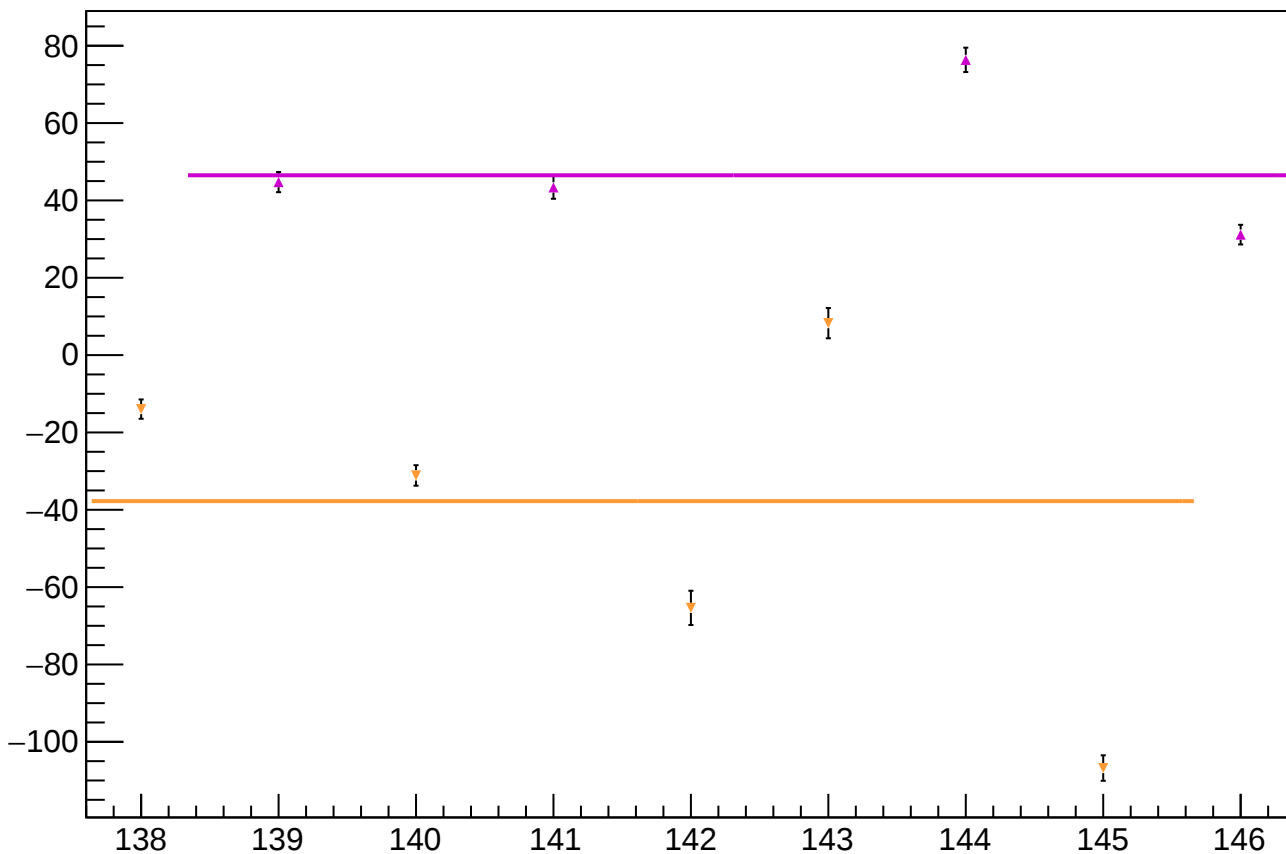
Left In: -0.220 ± 0.012 χ^2/NDF : 71.5/3

0.180 ± 0.010 χ^2/NDF : 1615.1/21

0.061 ± 0.007 χ^2/NDF : 3838.0/45

-0.063 ± 0.010 χ^2/NDF : 1903.8/23

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -37.757+/-1.399 χ^2/NDF : 712.6/4

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

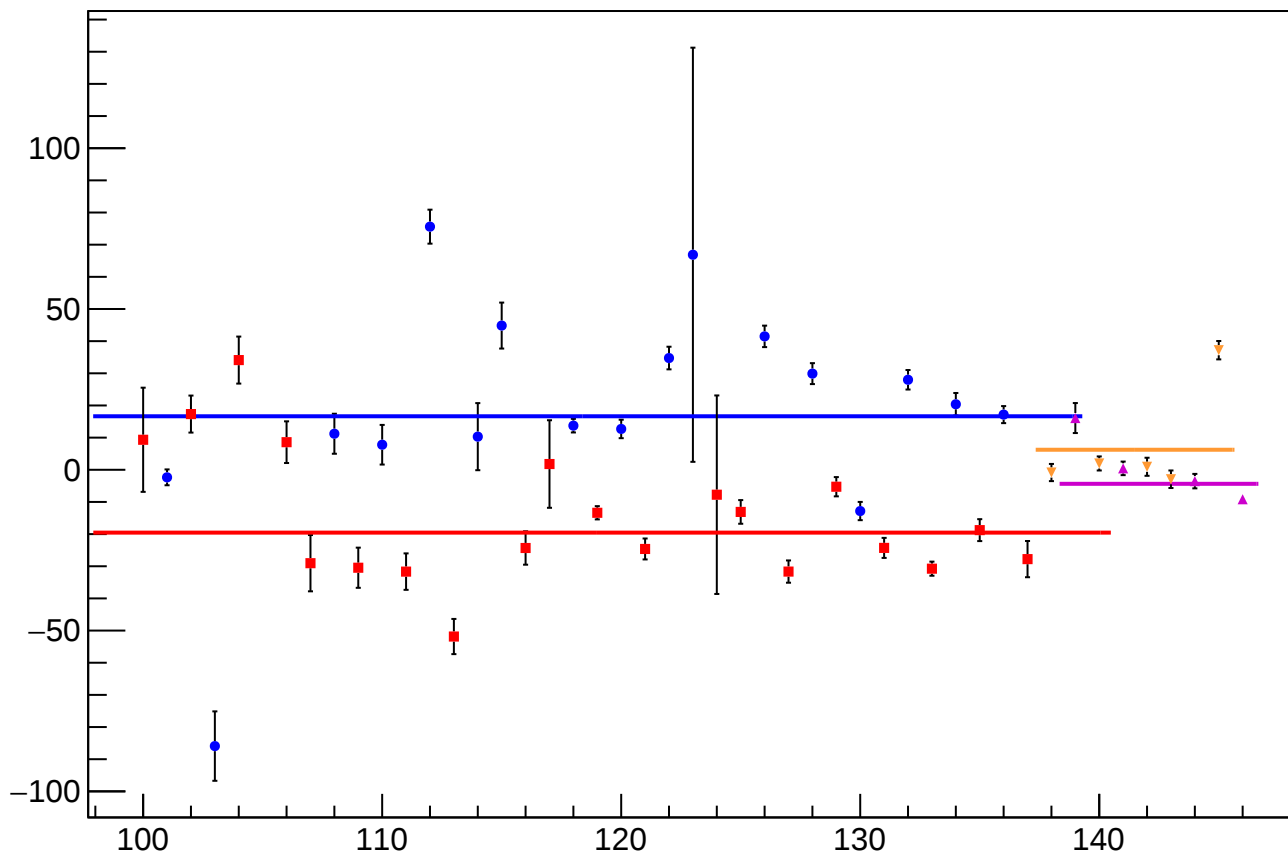
Left In: 46.503+/-1.389 χ^2/NDF : 127.8/3

-37.757+/-1.399 χ^2/NDF : 712.6/4

4.690+/-0.986 χ^2/NDF : 2667.0/8

46.503+/-1.389 χ^2/NDF : 127.8/3

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 6.231 ± 1.168 $\chi^2/\text{NDF}: 143.0/4$

Right Out: -19.540 ± 0.894 $\chi^2/\text{NDF}: 244.1/19$

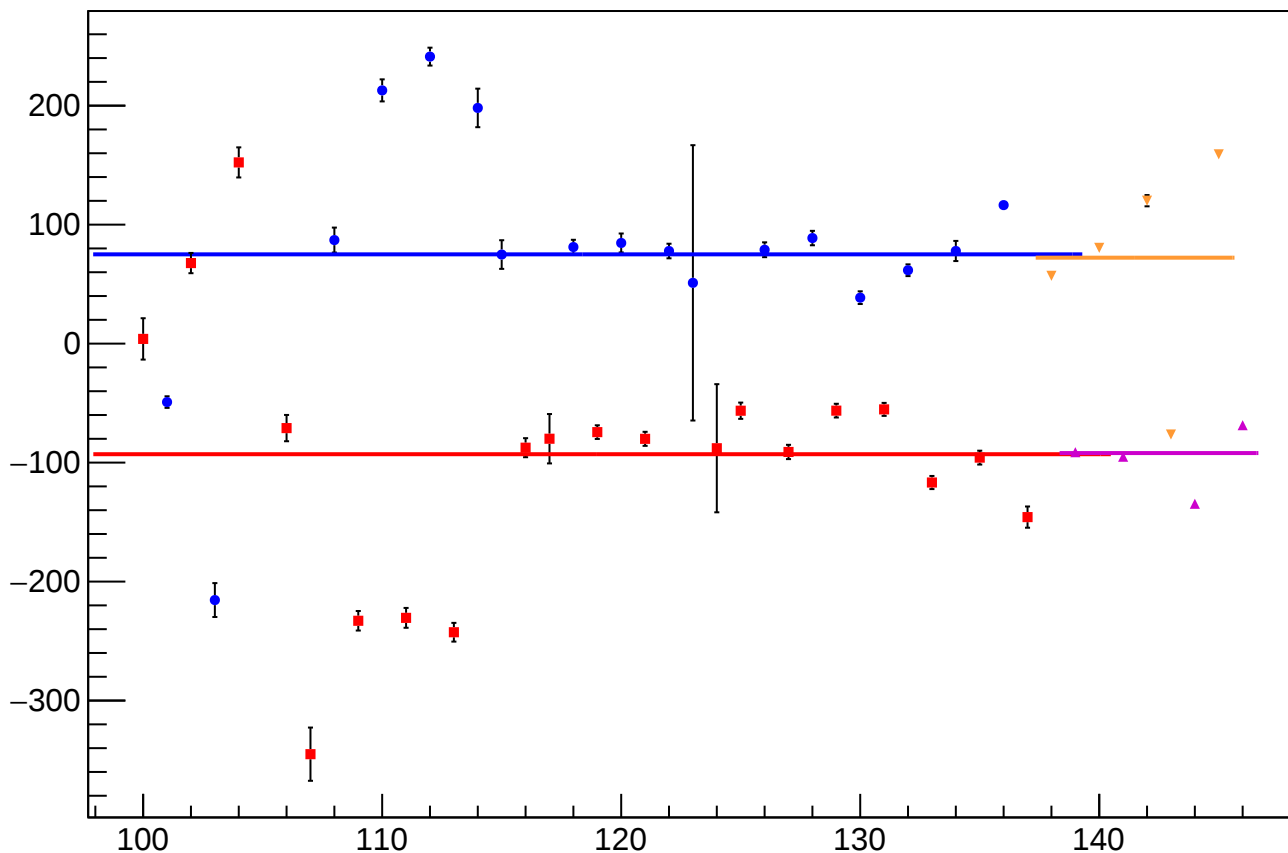
Left In: -4.364 ± 1.040 $\chi^2/\text{NDF}: 35.1/3$

12.989 ± 0.692 $\chi^2/\text{NDF}: 713.5/21$

-0.312 ± 0.484 $\chi^2/\text{NDF}: 1839.6/45$

-13.089 ± 0.678 $\chi^2/\text{NDF}: 401.6/23$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 72.230 $\pm$ 1.493 χ^2 /NDF: 2050.9/4

Right Out: -92.940 $\pm$ 1.706 χ^2 /NDF: 2004.0/19

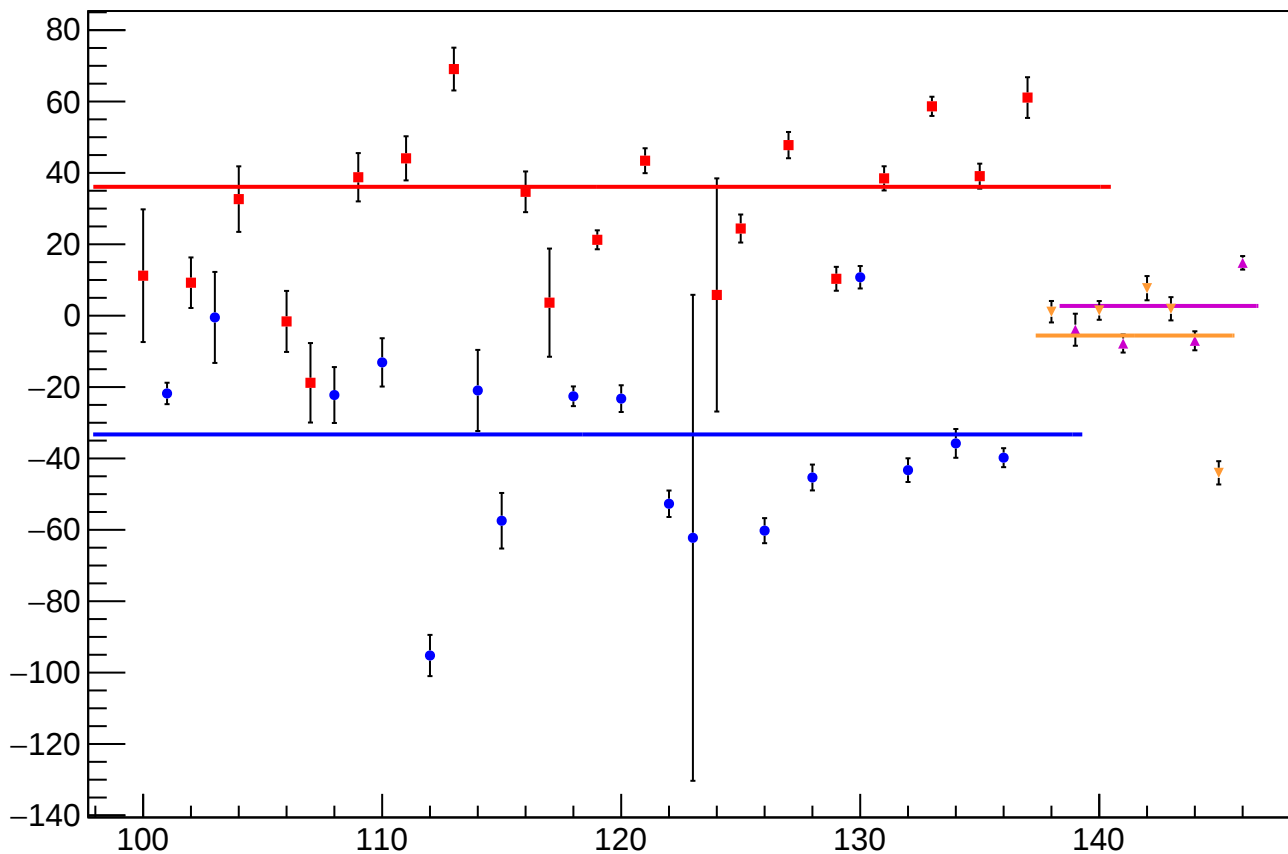
Left In: -91.983 $\pm$ 1.436 χ^2 /NDF: 253.9/3

73.495 $\pm$ 1.106 χ^2 /NDF: 4052.2/21

-10.014 $\pm$ 0.779 χ^2 /NDF: 17633.1/45

-92.380 $\pm$ 1.098 χ^2 /NDF: 2258.0/23

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -5.564 ± 1.373 $\chi^2/\text{NDF}: 171.9/4$

Right Out: 36.103 ± 1.022 $\chi^2/\text{NDF}: 302.3/19$

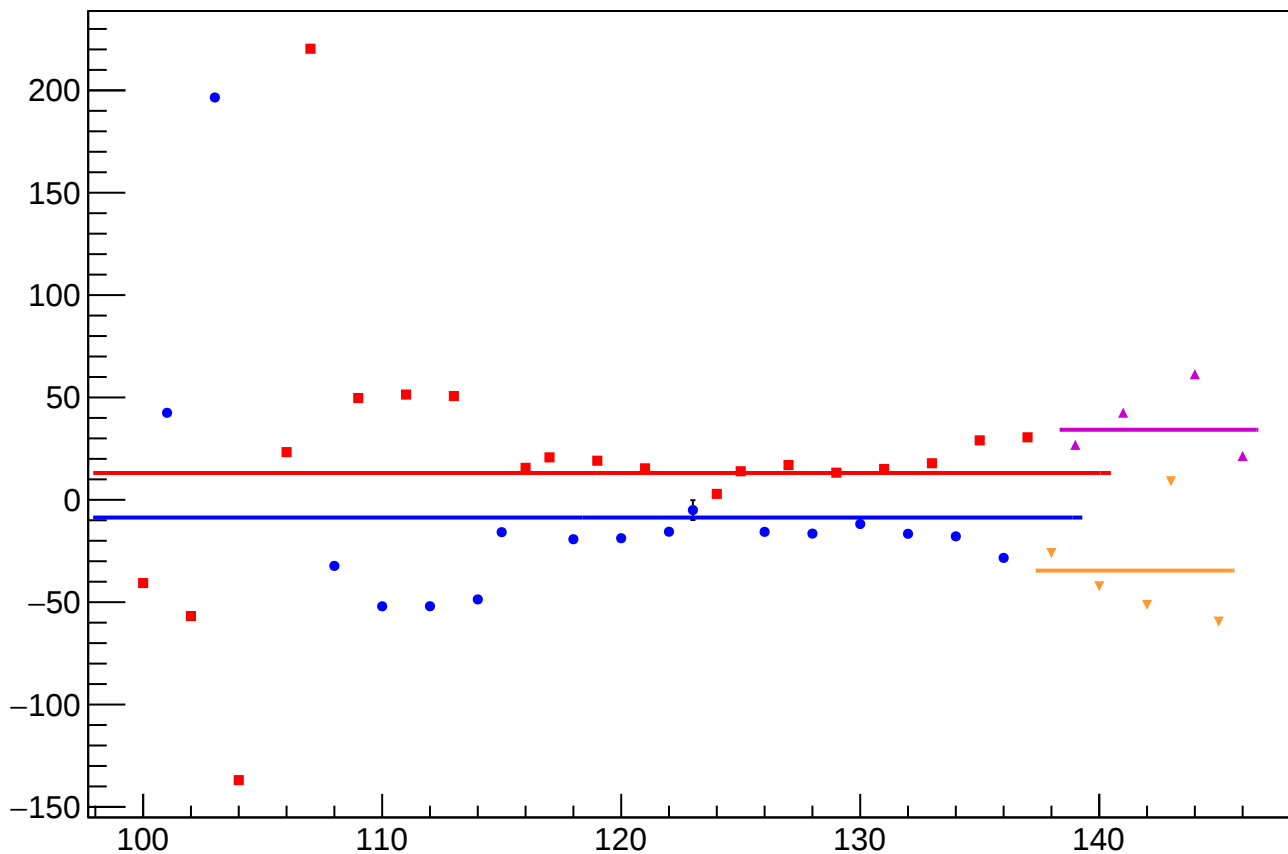
Left In: 2.730 ± 1.265 $\chi^2/\text{NDF}: 73.5/3$

-23.893 ± 0.799 $\chi^2/\text{NDF}: 930.8/21$

-0.369 ± 0.563 $\chi^2/\text{NDF}: 3454.5/45$

22.932 ± 0.795 $\chi^2/\text{NDF}: 796.9/23$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657+/-0.059 χ^2/NDF : 575742.7/16

Left Out: -34.578+/-0.060 χ^2/NDF : 120419.9/4

Right Out: 13.109+/-0.062 χ^2/NDF : 558383.6/19

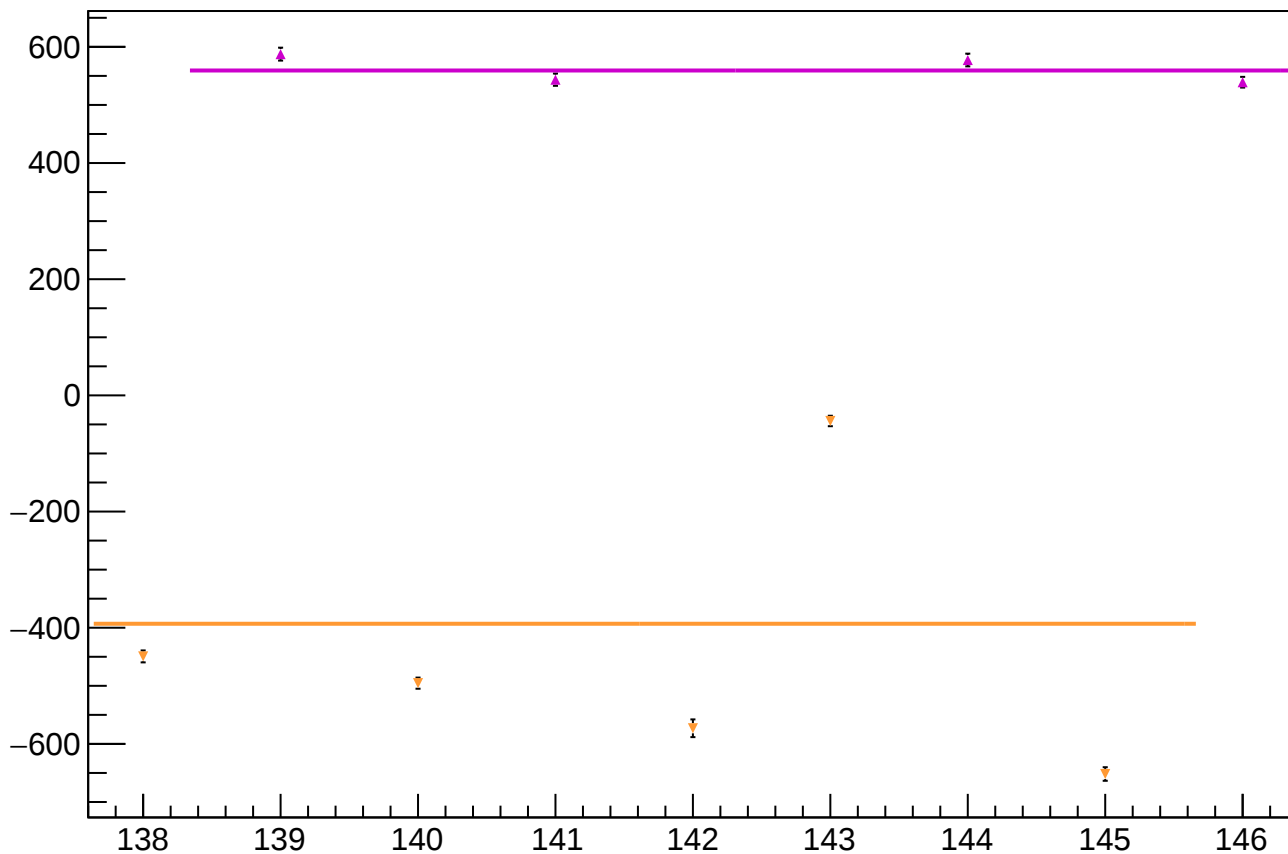
Left In: 34.222+/-0.059 χ^2/NDF : 56739.3/3

-21.340+/-0.042 χ^2/NDF : 790342.7/21

1.266+/-0.030 χ^2/NDF : 2044382.5/45

24.194+/-0.043 χ^2/NDF : 676604.9/23

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -393.155+/-4.755 χ^2/NDF : 2273.5/4

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

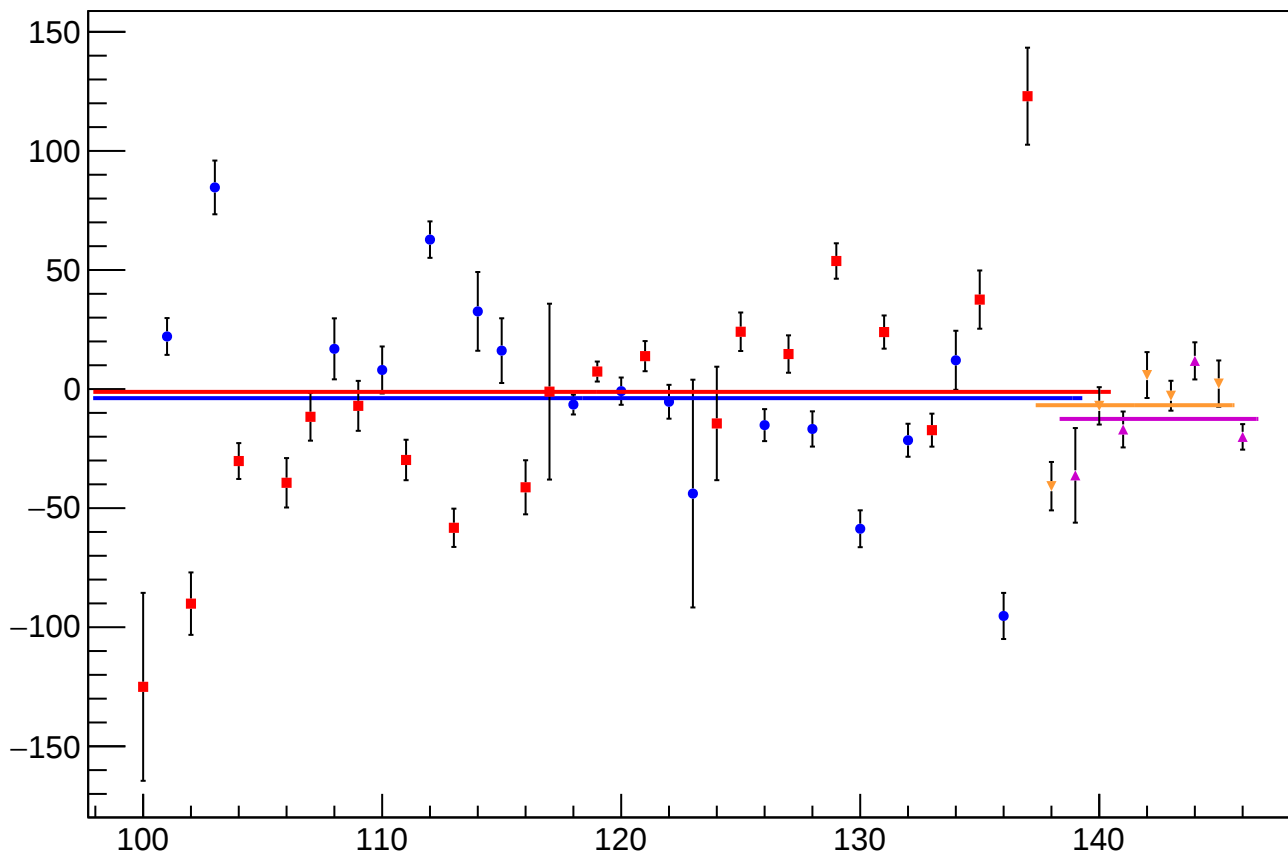
Left In: 559.305+/-5.190 χ^2/NDF : 16.2/3

-393.155+/-4.755 χ^2/NDF : 2273.5/4

41.526+/-3.506 χ^2/NDF : 20599.3/8

559.305+/-5.190 χ^2/NDF : 16.2/3

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 $\pm$ 1.923 χ^2/NDF : 314.3/16

Left Out: -6.776 $\pm$ 3.710 χ^2/NDF : 14.2/4

Right Out: -1.175 $\pm$ 1.911 χ^2/NDF : 303.9/19

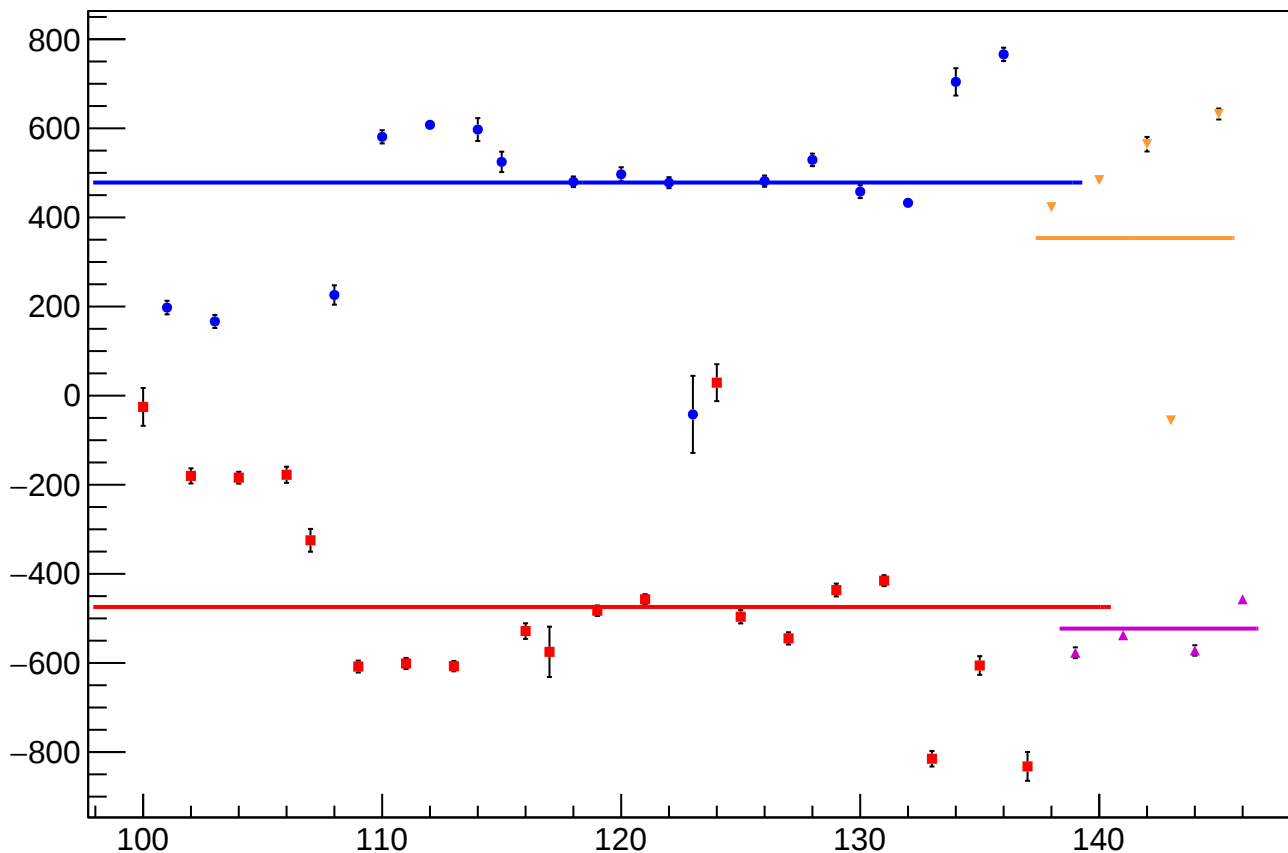
Left In: -12.532 $\pm$ 3.741 χ^2/NDF : 13.5/3

-4.442 $\pm$ 1.707 χ^2/NDF : 329.0/21

-3.982 $\pm$ 1.205 χ^2/NDF : 653.9/45

-3.526 $\pm$ 1.702 χ^2/NDF : 324.7/23

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 $\pm$ 3.662 χ^2/NDF : 1628.8/16

Left Out: 353.740 $\pm$ 5.078 χ^2/NDF : 2691.5/4

Right Out: -474.296 $\pm$ 3.524 χ^2/NDF : 2288.2/19

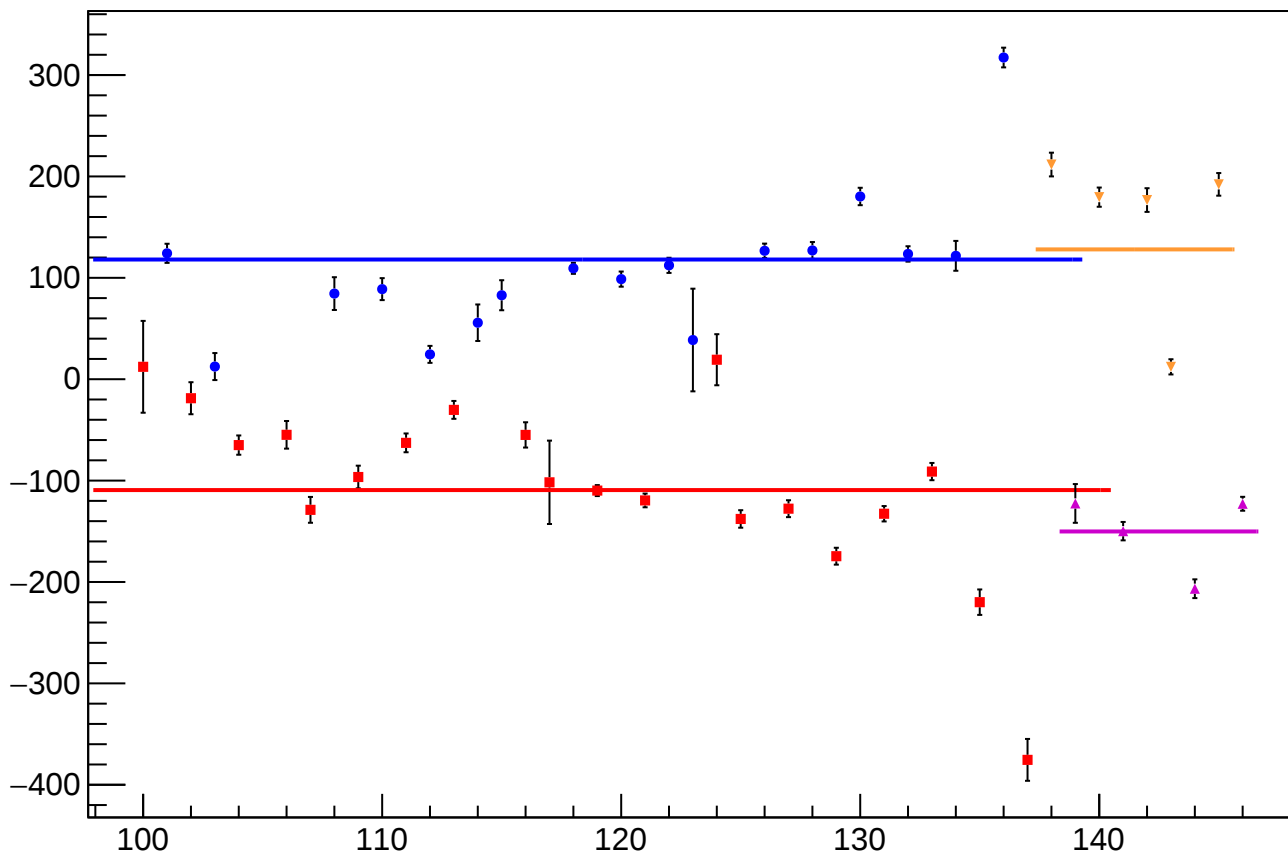
Left In: -522.844 $\pm$ 5.348 χ^2/NDF : 95.3/3

435.705 $\pm$ 2.970 χ^2/NDF : 4716.4/21

-30.958 $\pm$ 2.090 χ^2/NDF : 56069.5/45

-488.994 $\pm$ 2.943 χ^2/NDF : 2441.0/23

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 ± 2.225 χ^2/NDF : 705.3/16

Left Out: 128.033 ± 4.405 χ^2/NDF : 369.4/4

Right Out: -109.345 ± 2.202 χ^2/NDF : 569.8/19

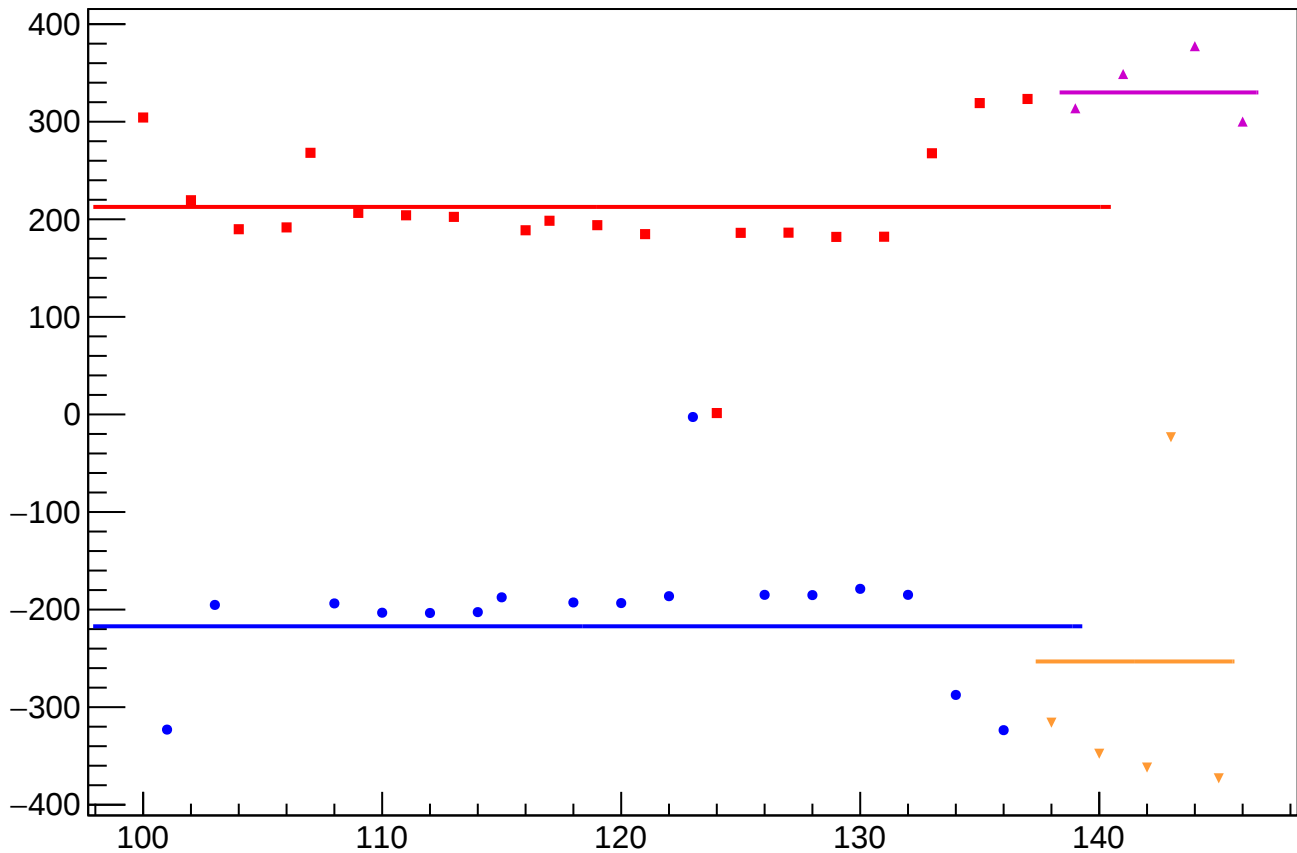
Left In: -150.171 ± 4.573 χ^2/NDF : 55.2/3

120.084 ± 1.986 χ^2/NDF : 1078.8/21

1.382 ± 1.404 χ^2/NDF : 8902.9/45

-117.027 ± 1.984 χ^2/NDF : 689.8/23

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -253.165+/-0.207 χ^2/NDF : 509714.7/4

Right Out: 212.679+/-0.130 χ^2/NDF : 115596.4/19

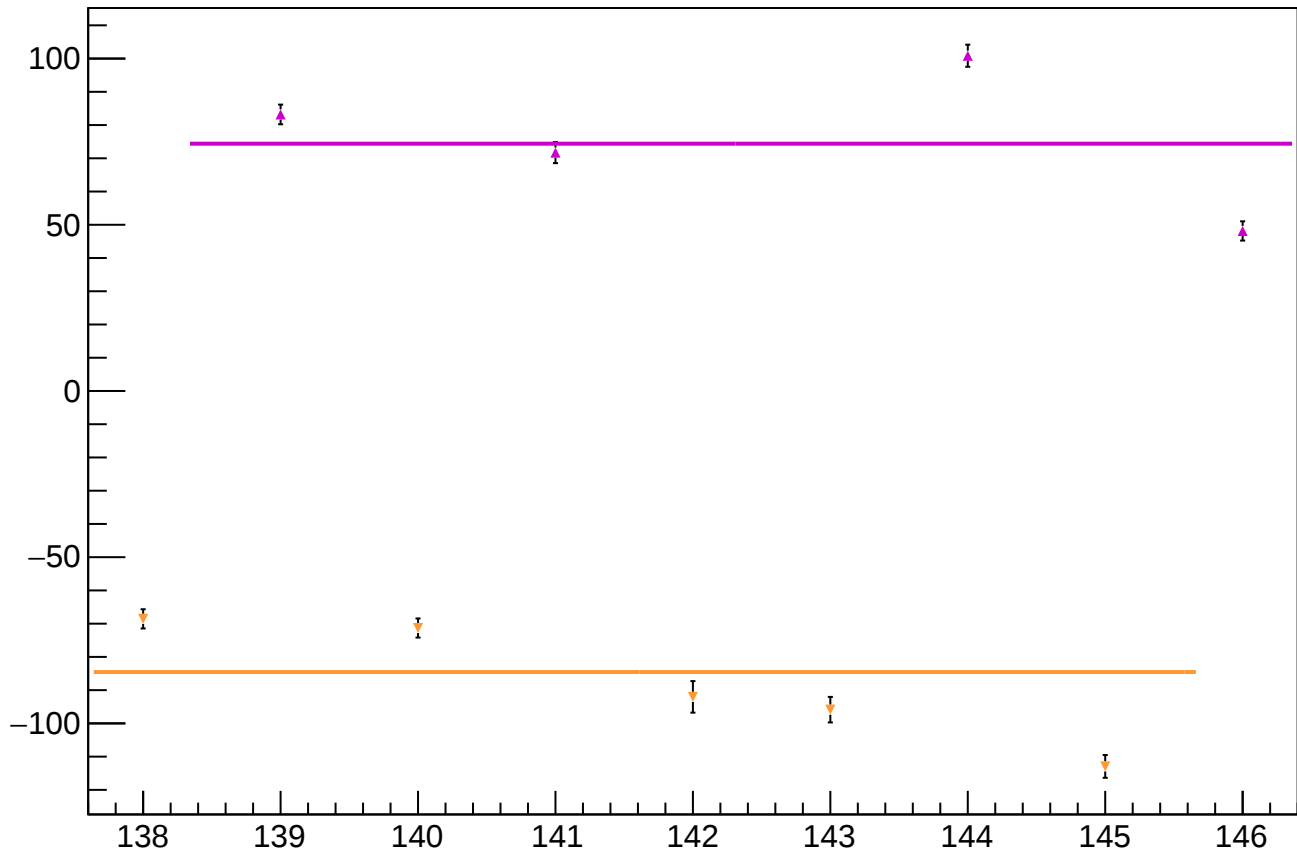
Left In: 330.004+/-0.222 χ^2/NDF : 17146.4/3

-228.075+/-0.114 χ^2/NDF : 677444.0/21

10.917+/-0.080 χ^2/NDF : 9682010.3/45

242.627+/-0.112 χ^2/NDF : 340613.7/23

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -84.549+/-1.511 χ^2/NDF :131.6/4

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

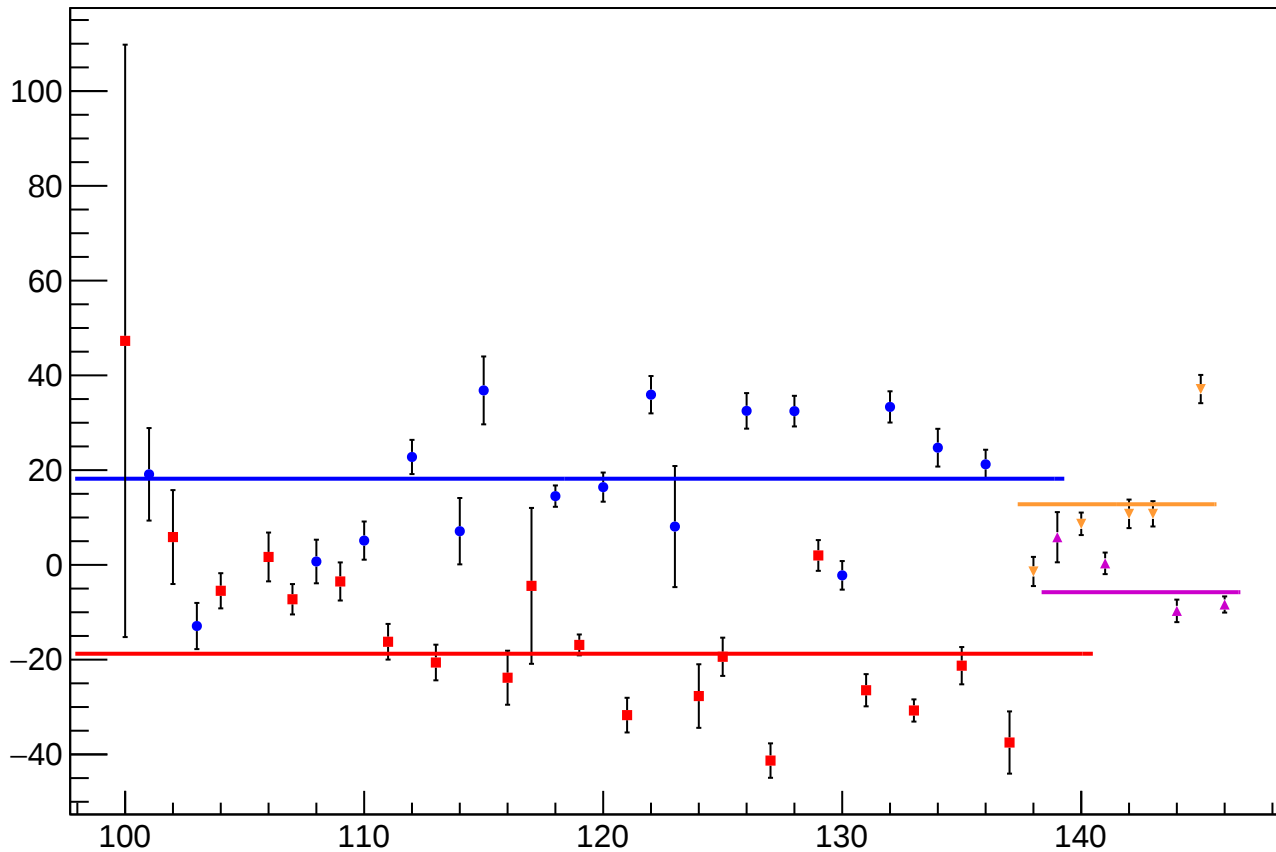
Left In: 74.395+/-1.537 χ^2/NDF :154.9/3

-84.549+/-1.511 χ^2/NDF : 131.6/4

-6.437+/-1.078 χ^2/NDF : 5723.7/8

74.395+/-1.537 χ^2/NDF : 154.9/3

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 $\pm$ 0.917 χ^2/NDF : 204.9/16

Left Out: 12.797 $\pm$ 1.244 χ^2/NDF : 91.8/4

Right Out: -18.752 $\pm$ 0.862 χ^2/NDF : 199.5/19

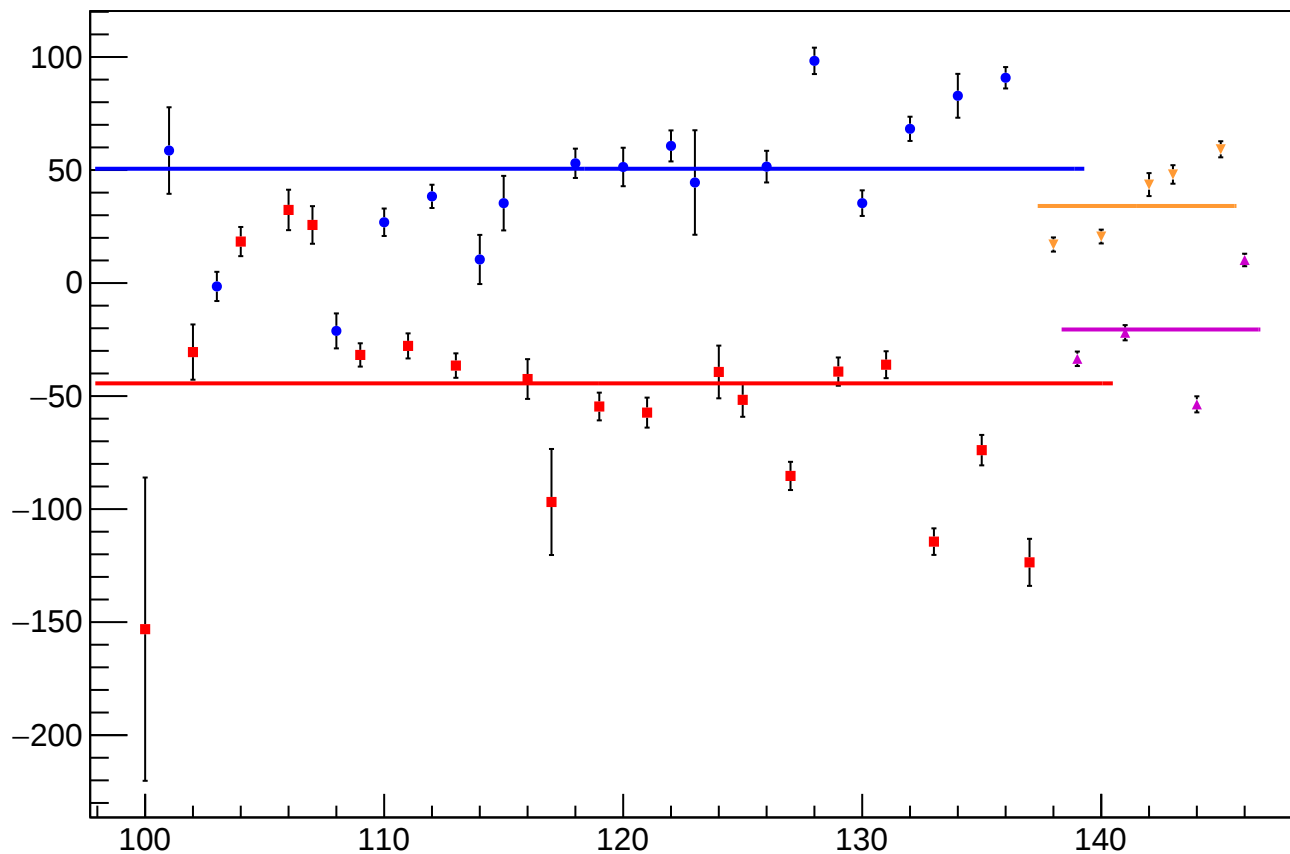
Left In: -5.764 $\pm$ 1.155 χ^2/NDF : 17.0/3

16.290 $\pm$ 0.738 χ^2/NDF : 308.8/21

0.076 $\pm$ 0.504 χ^2/NDF : 1510.8/45

-14.110 $\pm$ 0.691 χ^2/NDF : 297.8/23

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: 34.096+/-1.611 χ^2/NDF : 113.7/4

Right Out: -44.377+/-1.599 χ^2/NDF : 537.6/19

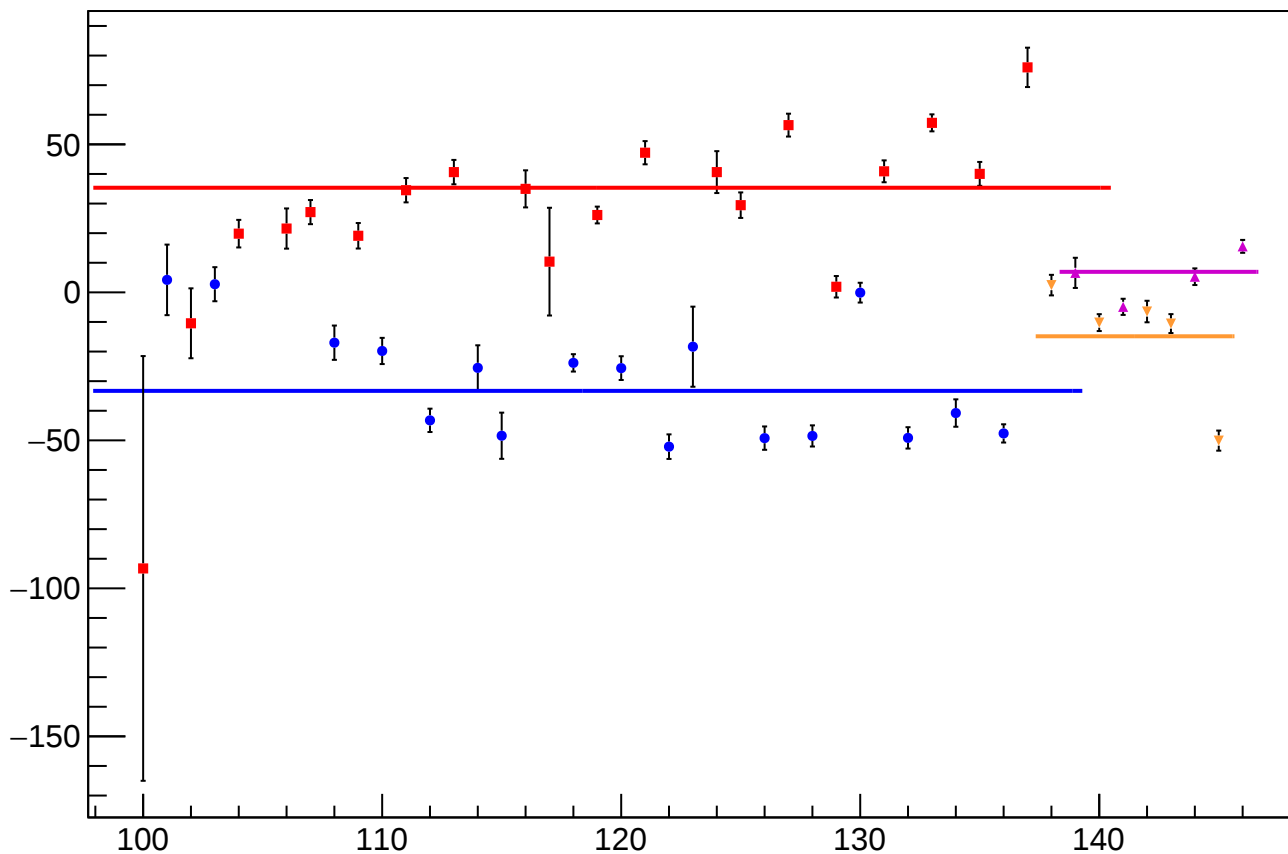
Left In: -20.545+/-1.592 χ^2/NDF : 226.2/3

41.995+/-1.162 χ^2/NDF : 521.8/21

3.701+/-0.809 χ^2/NDF : 3508.1/45

-32.414+/-1.128 χ^2/NDF : 875.3/23

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -14.840 ± 1.465 χ^2/NDF : 142.2/4

Right Out: 35.343 ± 0.990 χ^2/NDF : 291.6/19

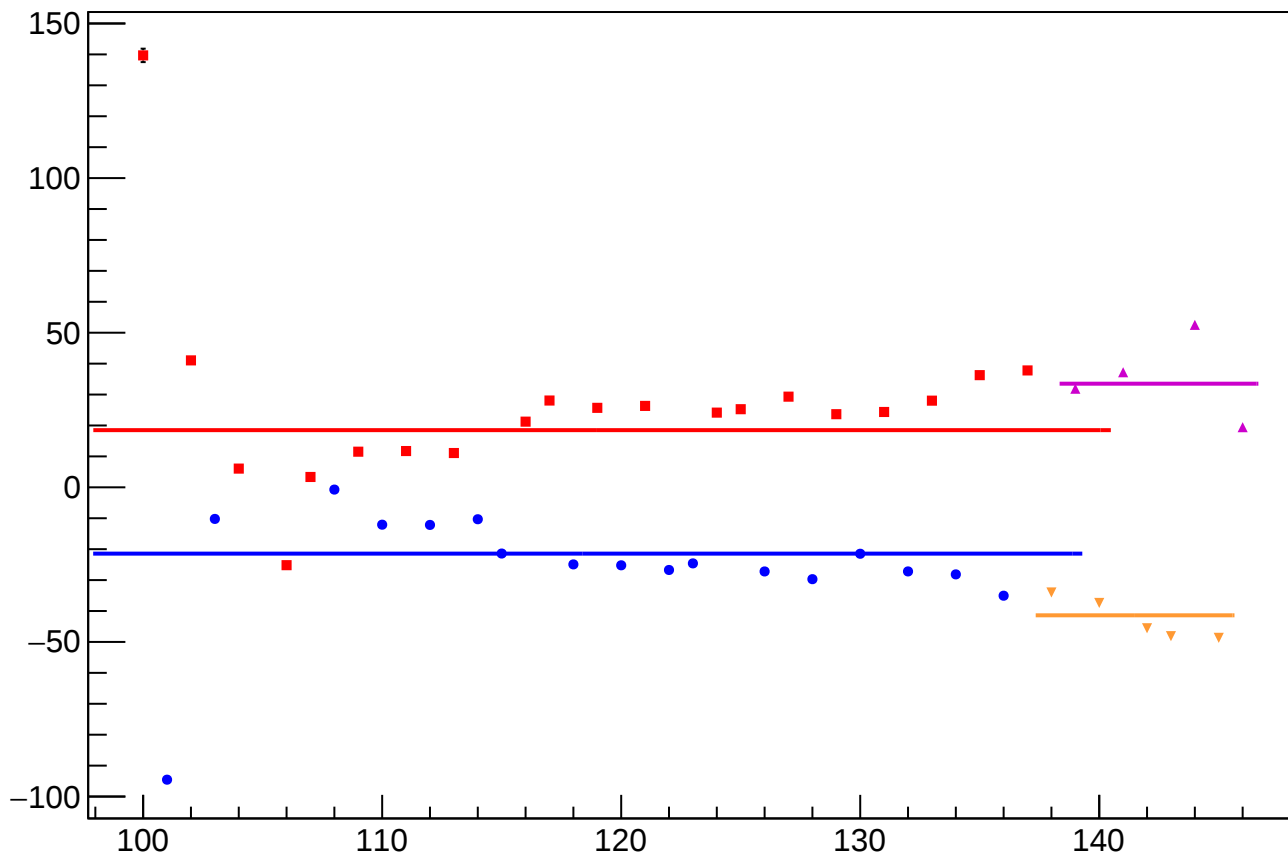
Left In: 6.933 ± 1.401 χ^2/NDF : 34.7/3

-27.073 ± 0.850 χ^2/NDF : 537.4/21

0.728 ± 0.586 χ^2/NDF : 3176.3/45

25.882 ± 0.808 χ^2/NDF : 600.7/23

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442+/-0.059 χ^2/NDF : 48968.5/16

Left Out: -41.391+/-0.065 χ^2/NDF : 9355.6/4

Right Out: 18.490+/-0.057 χ^2/NDF : 80549.5/19

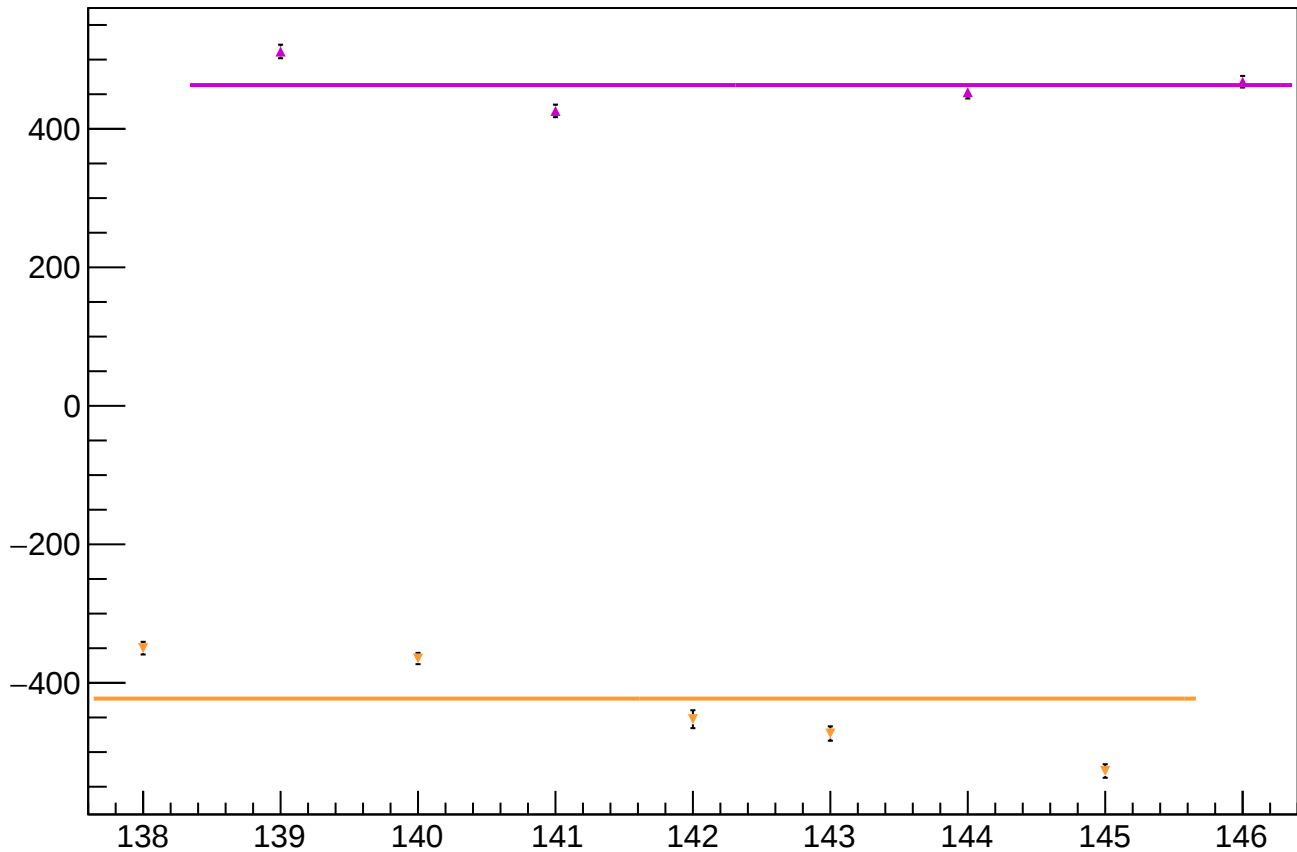
Left In: 33.513+/-0.065 χ^2/NDF : 27960.2/3

-30.406+/-0.044 χ^2/NDF : 109847.2/21

-2.249+/-0.031 χ^2/NDF : 1065283.7/45

25.044+/-0.043 χ^2/NDF : 138475.8/23

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -422.724+/-4.365 χ^2/NDF : 255.8/4

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

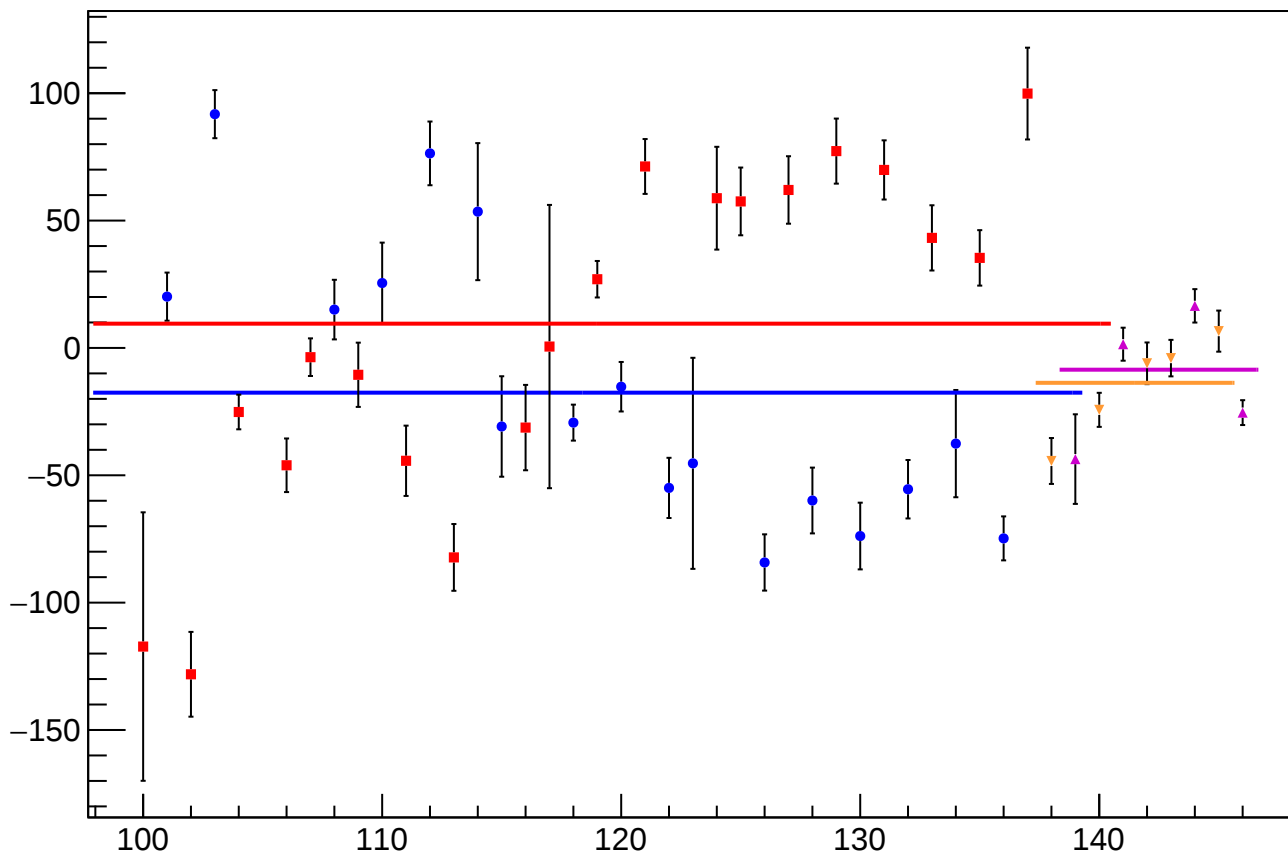
Left In: 463.215+/-4.546 χ^2/NDF : 42.8/3

-422.724+/-4.365 χ^2/NDF : 255.8/4

2.305+/-3.149 χ^2/NDF : 20058.3/8

463.215+/-4.546 χ^2/NDF : 42.8/3

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: -13.696 ± 3.440 $\chi^2/\text{NDF}: 23.2/4$

Right Out: 9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

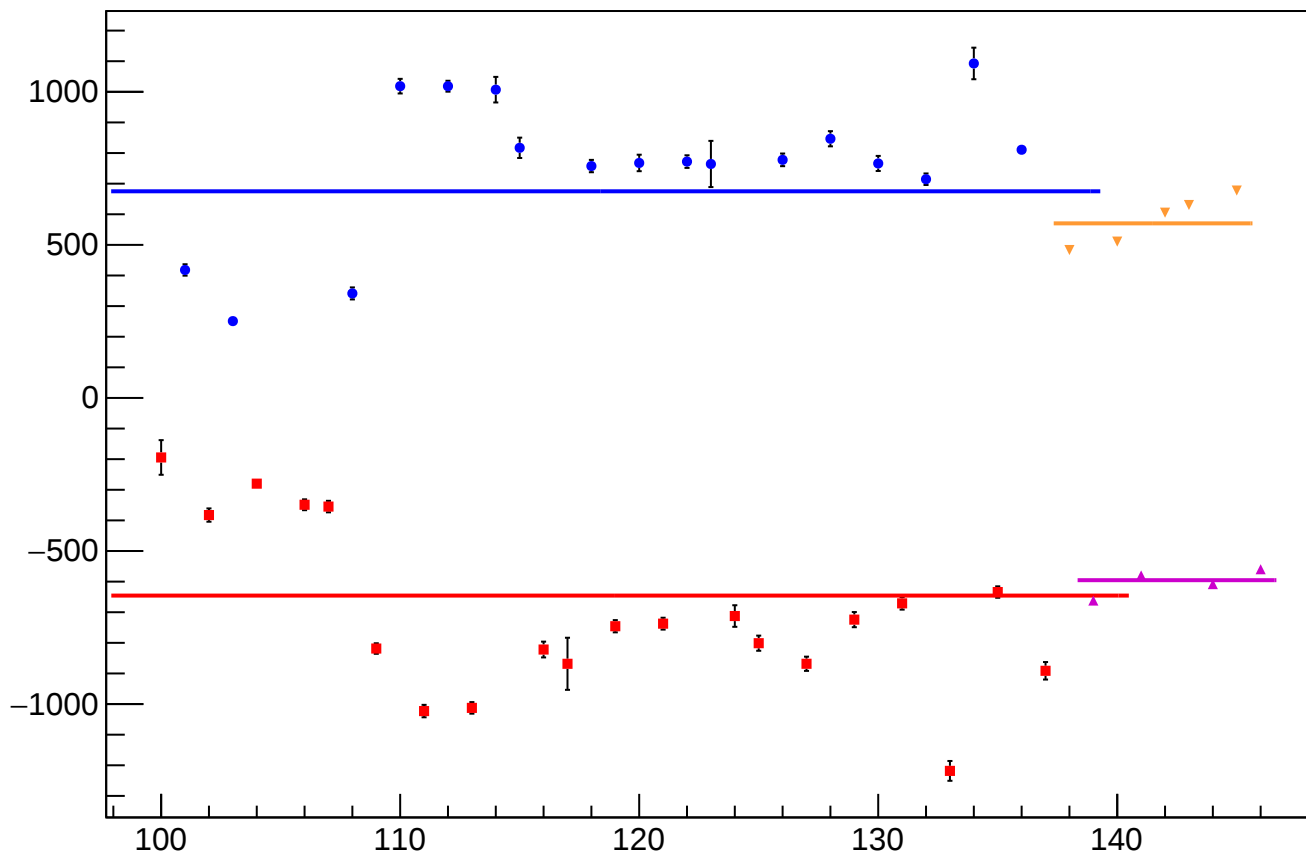
Left In: -8.544 ± 3.291 $\chi^2/\text{NDF}: 32.9/3$

-16.009 ± 2.181 $\chi^2/\text{NDF}: 387.7/21$

-6.116 ± 1.491 $\chi^2/\text{NDF}: 848.0/45$

2.564 ± 2.043 $\chi^2/\text{NDF}: 421.7/23$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 ± 5.067 χ^2/NDF : 2584.3/16

Left Out: 570.299 ± 4.663 χ^2/NDF : 266.6/4

Right Out: -645.613 ± 4.754 χ^2/NDF : 3129.0/19

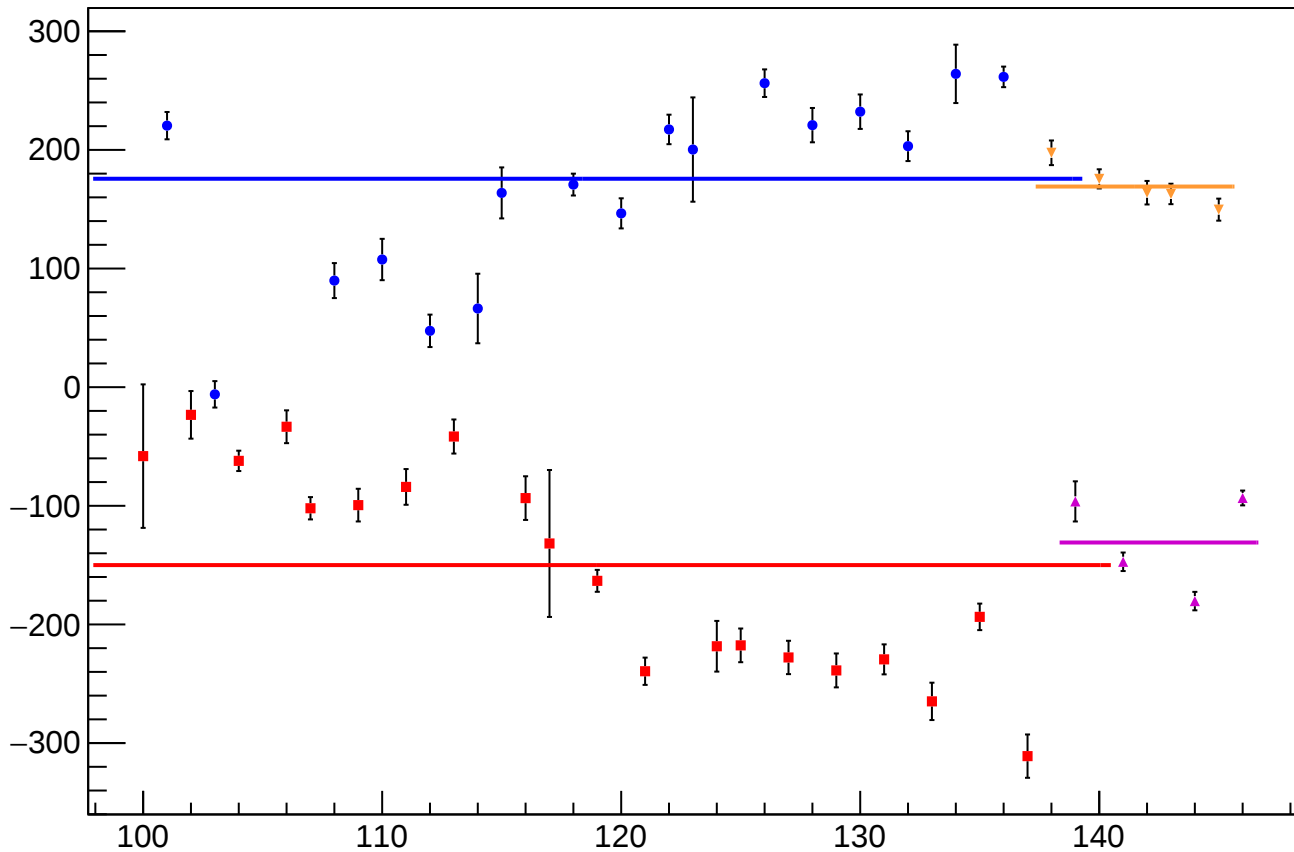
Left In: -595.304 ± 4.697 χ^2/NDF : 63.1/3

618.323 ± 3.431 χ^2/NDF : 3082.4/21

-17.361 ± 2.394 χ^2/NDF : 73203.3/45

-620.157 ± 3.341 χ^2/NDF : 3248.8/23

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 169.114 ± 4.087 χ^2/NDF : 13.3/4

Right Out: -149.973 ± 3.038 χ^2/NDF : 693.8/19

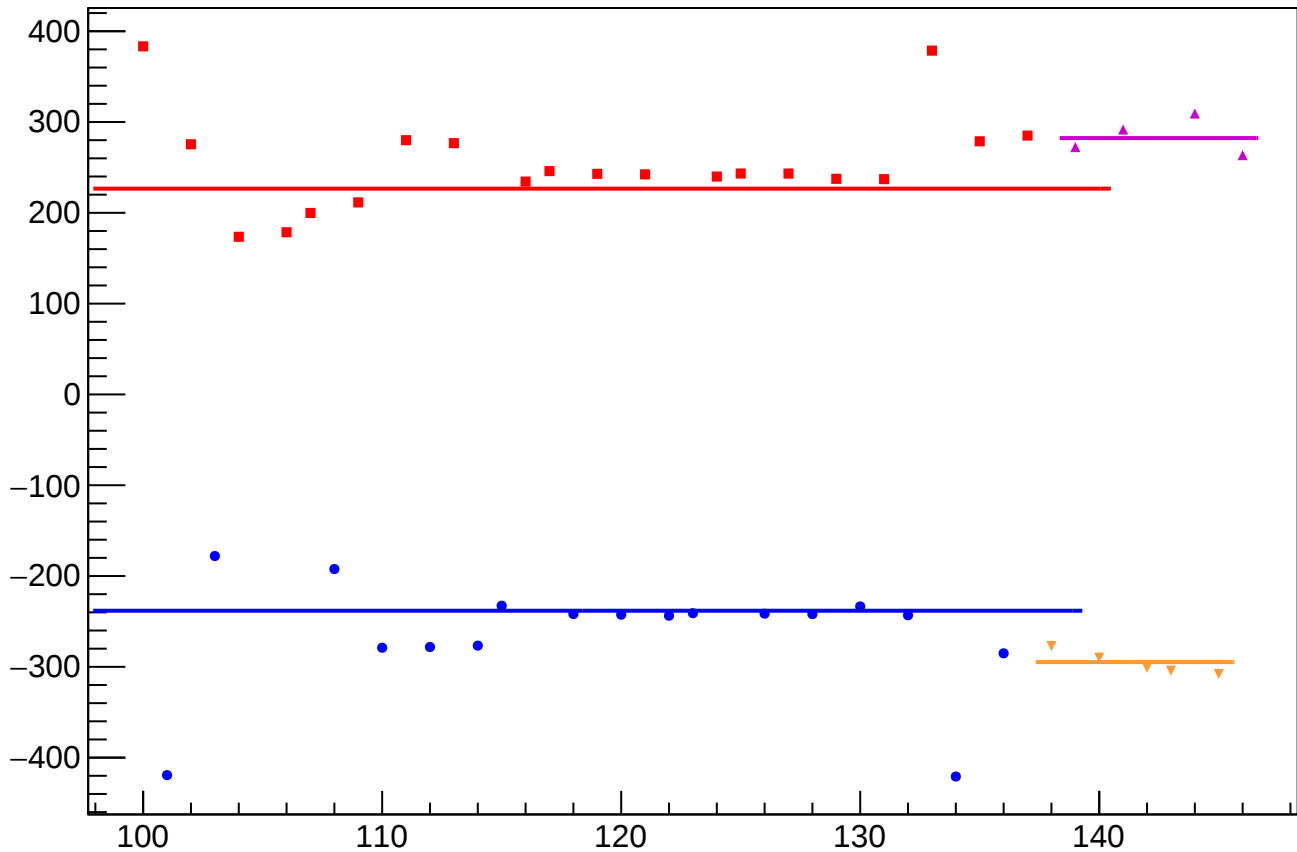
Left In: -130.935 ± 4.014 χ^2/NDF : 84.9/3

173.151 ± 2.538 χ^2/NDF : 652.8/21

7.679 ± 1.753 χ^2/NDF : 9565.8/45

-143.039 ± 2.423 χ^2/NDF : 793.1/23

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -294.782+/-0.191 χ^2/NDF : 3765.0/4

Right Out: 226.626+/-0.151 χ^2/NDF : 102587.0/19

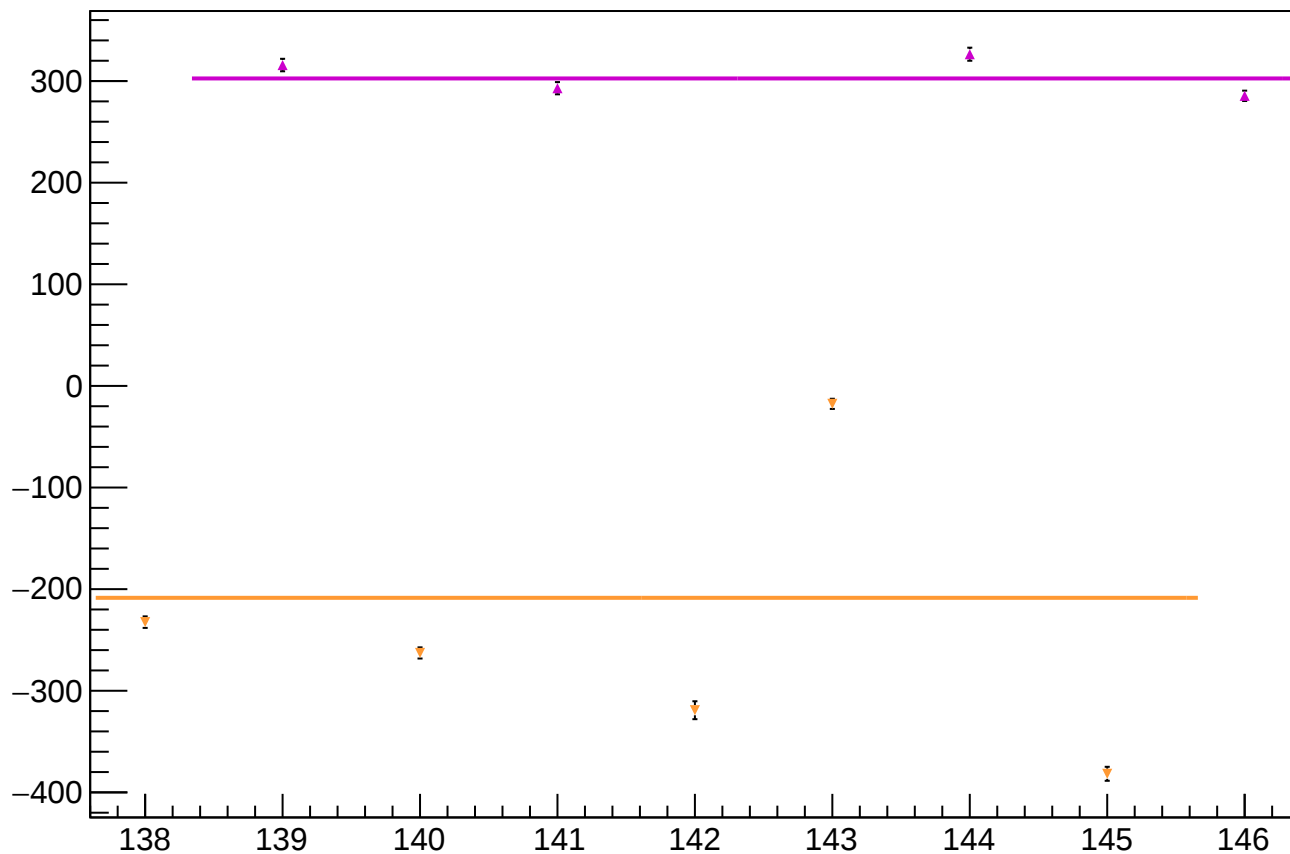
Left In: 282.316+/-0.195 χ^2/NDF : 7825.7/3

-261.685+/-0.123 χ^2/NDF : 222444.1/21

-0.060+/-0.086 χ^2/NDF : 9227605.3/45

247.546+/-0.119 χ^2/NDF : 161432.0/23

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -208.531 ± 2.693 χ^2/NDF : 2357.3/4

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

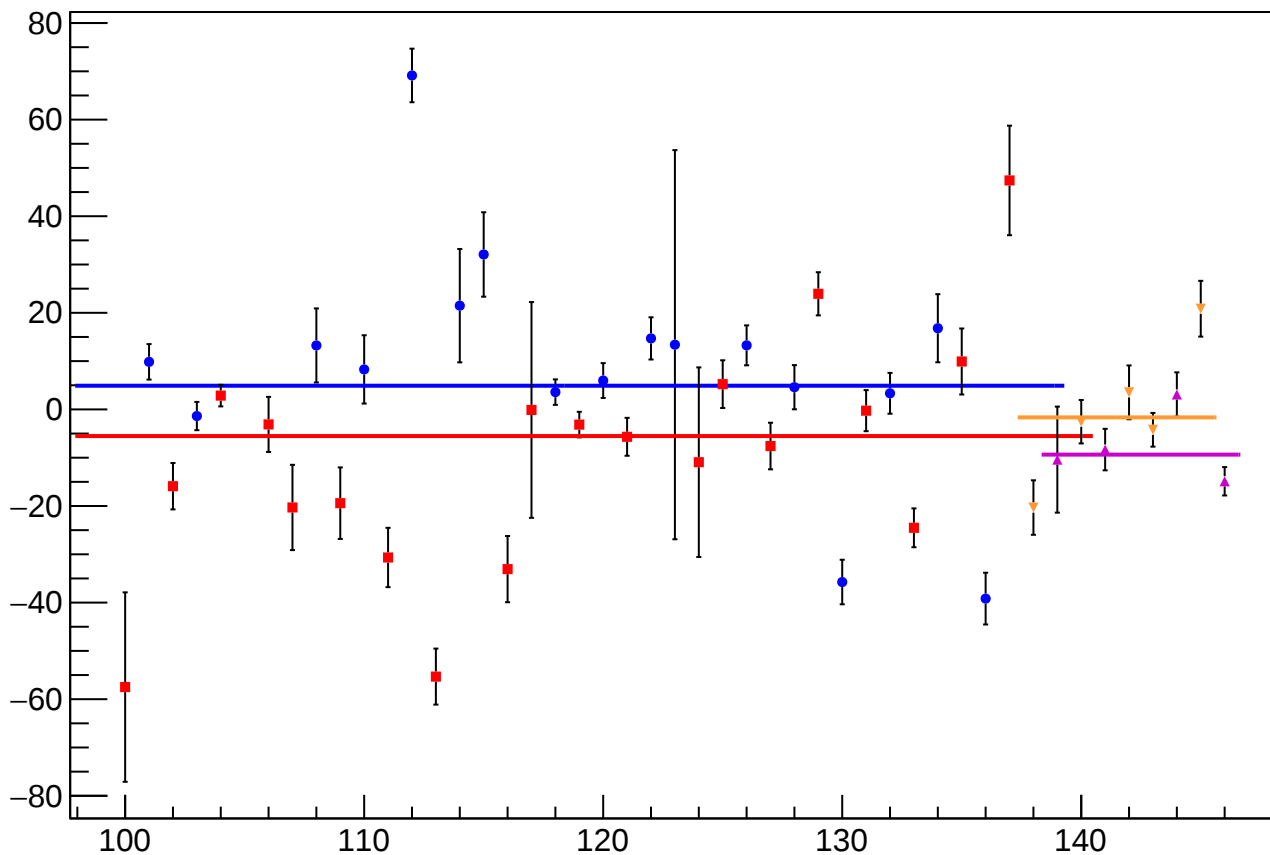
Left In: 302.570 ± 2.927 χ^2/NDF : 32.1/3

-208.531 ± 2.693 χ^2/NDF : 2357.3/4

25.759 ± 1.982 χ^2/NDF : 18904.7/8

302.570 ± 2.927 χ^2/NDF : 32.1/3

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: -1.651 ± 2.107 χ^2/NDF : 27.6/4

Right Out: -5.517 ± 1.067 χ^2/NDF : 239.0/19

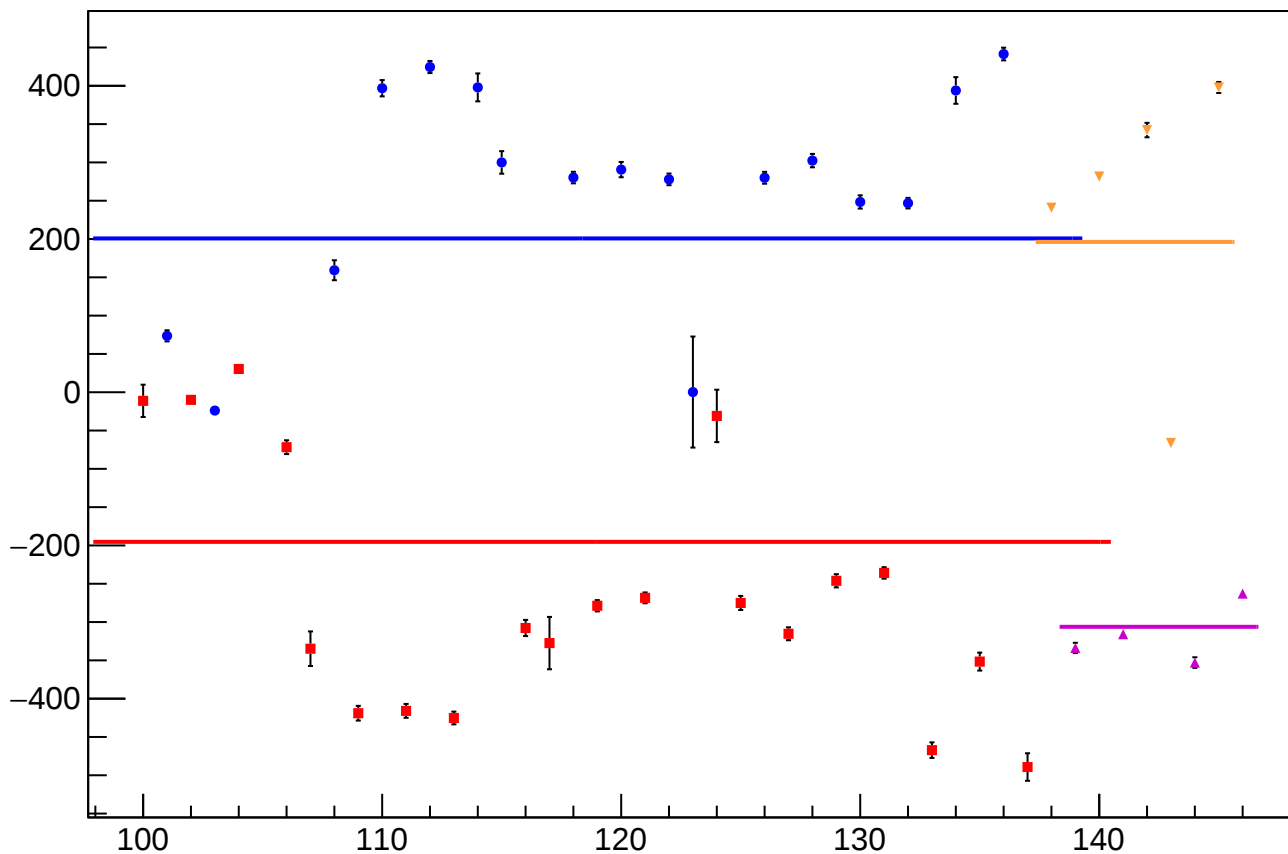
Left In: -9.359 ± 2.103 χ^2/NDF : 11.0/3

3.490 ± 0.979 χ^2/NDF : 346.8/21

-1.545 ± 0.682 χ^2/NDF : 650.9/45

-6.304 ± 0.952 χ^2/NDF : 252.6/23

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 196.251 $\pm$ 2.875 χ^2 /NDF: 3692.7/4

Right Out: -195.311 $\pm$ 1.921 χ^2 /NDF: 8262.1/19

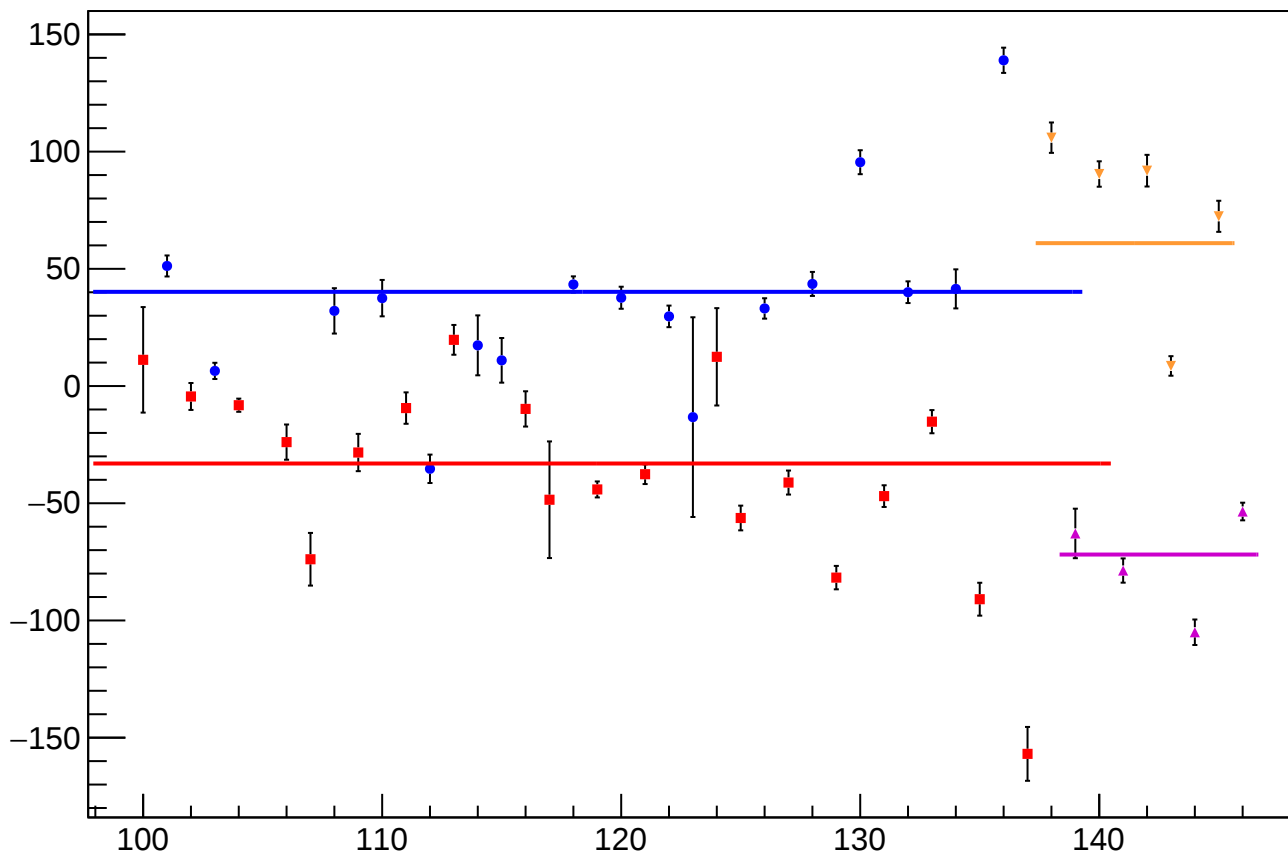
Left In: -306.208 $\pm$ 3.011 χ^2 /NDF: 145.0/3

199.315 $\pm$ 1.632 χ^2 /NDF: 10427.3/21

-15.766 $\pm$ 1.150 χ^2 /NDF: 54235.8/45

-227.390 $\pm$ 1.619 χ^2 /NDF: 9371.3/23

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185 ± 1.283 $\chi^2/\text{NDF}: 734.6/16$

Left Out: 60.953 ± 2.501 $\chi^2/\text{NDF}: 259.4/4$

Right Out: -33.045 ± 1.249 $\chi^2/\text{NDF}: 553.1/19$

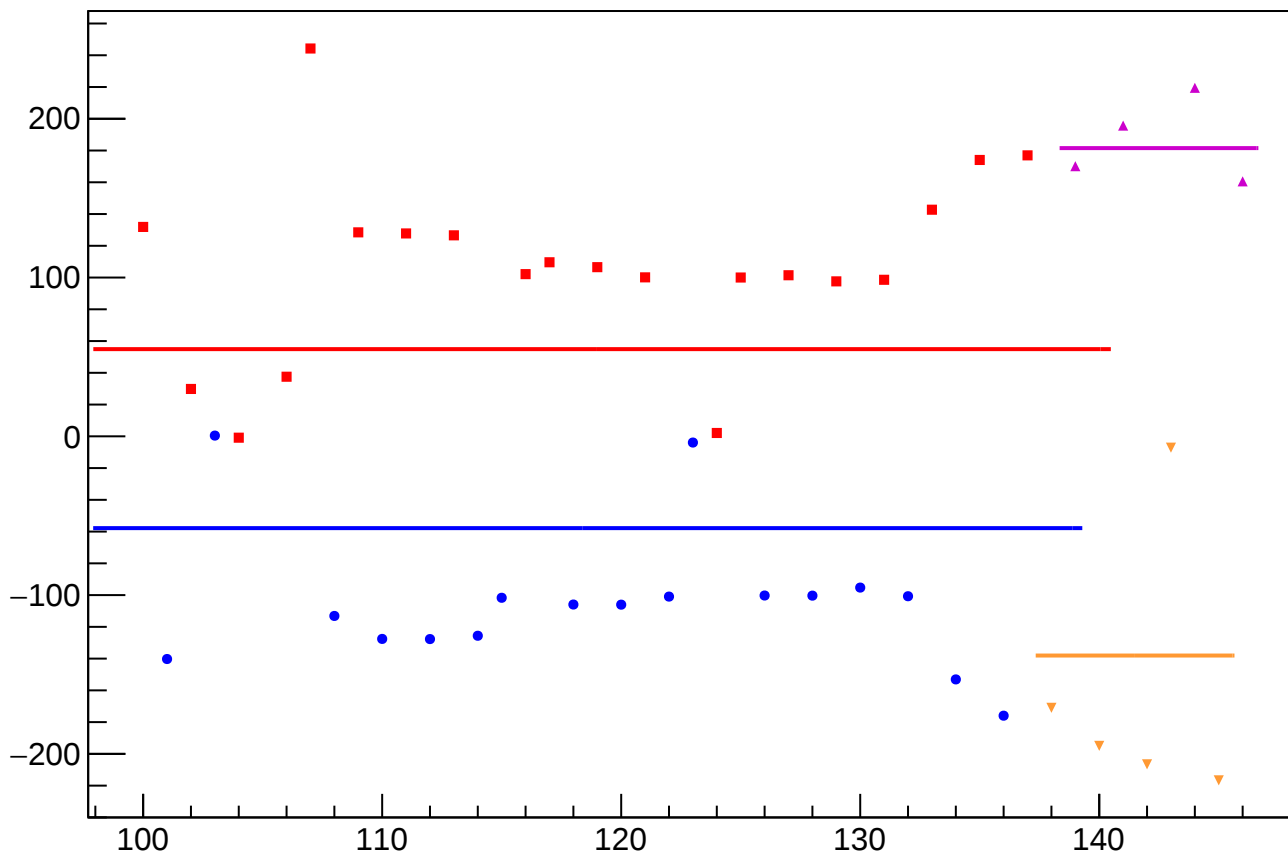
Left In: -71.880 ± 2.576 $\chi^2/\text{NDF}: 63.4/3$

44.514 ± 1.142 $\chi^2/\text{NDF}: 1048.5/21$

1.368 ± 0.801 $\chi^2/\text{NDF}: 4661.2/45$

-40.434 ± 1.124 $\chi^2/\text{NDF}: 800.5/23$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821+/-0.062 χ^2/NDF : 1101296.2/16

Left Out: -138.065+/-0.117 χ^2/NDF : 551132.6/4

Right Out: 54.915+/-0.060 χ^2/NDF : 1001968.3/19

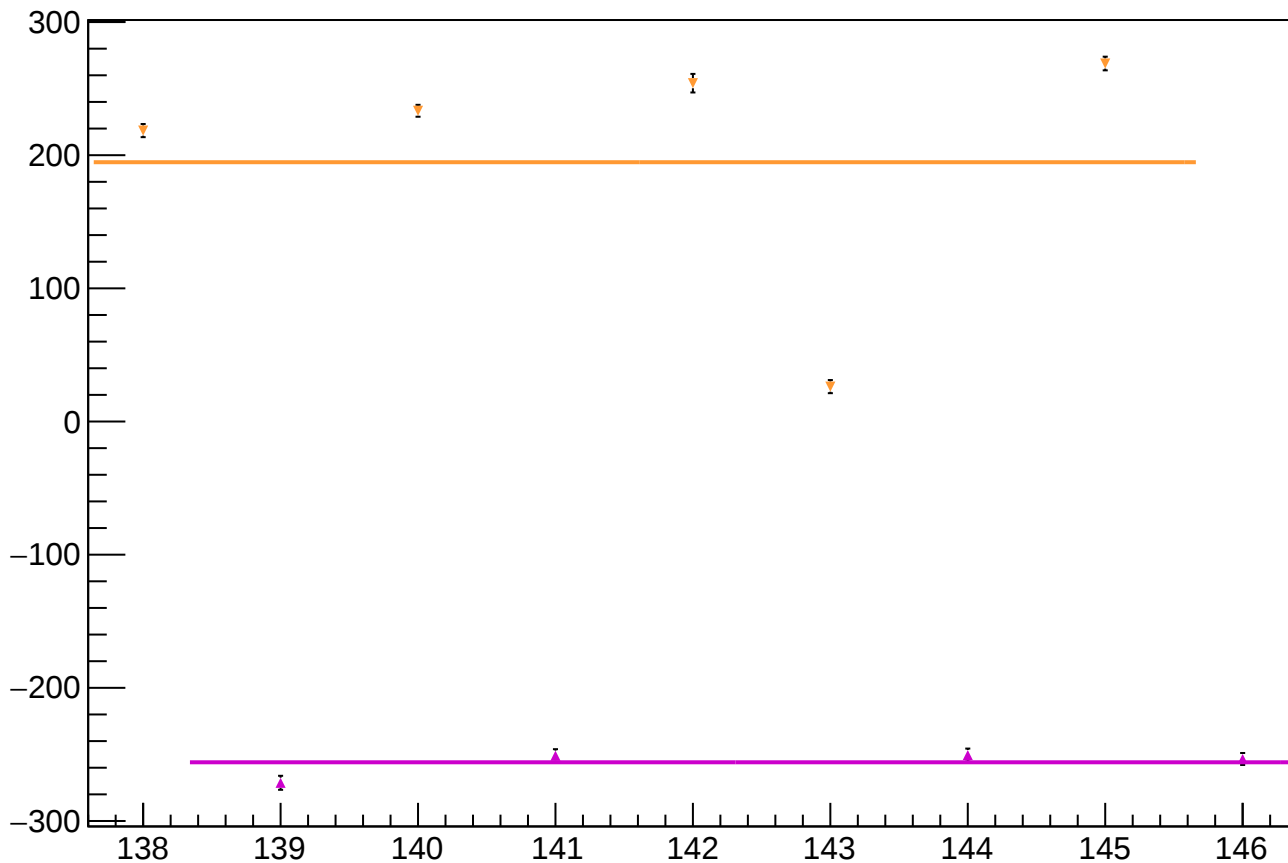
Left In: 181.521+/-0.125 χ^2/NDF : 29956.0/3

-75.343+/-0.055 χ^2/NDF : 2020704.3/21

2.299+/-0.038 χ^2/NDF : 7896831.7/45

78.782+/-0.054 χ^2/NDF : 1866099.1/23

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 194.730+/-2.292 χ^2/NDF :1546.2/4

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

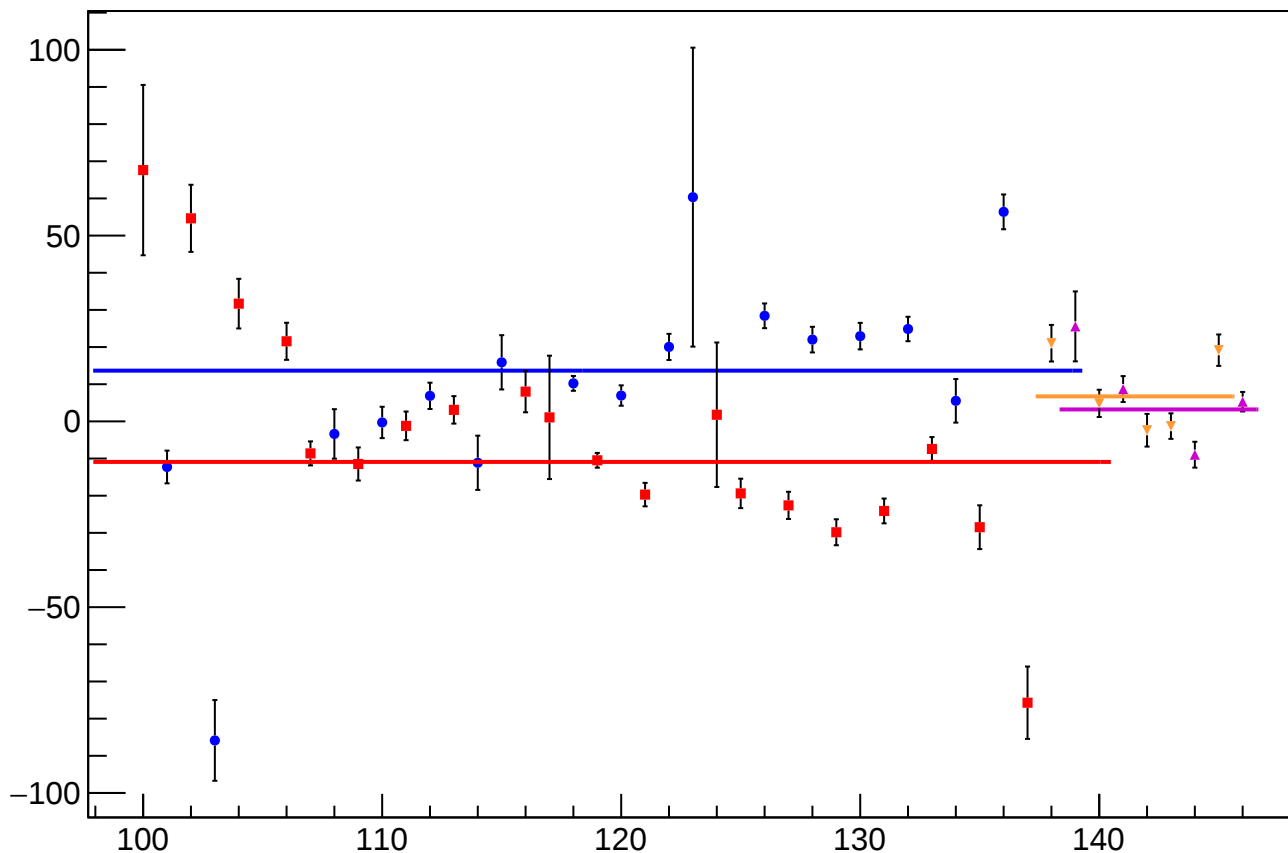
Left In: -255.912+/-2.430 χ^2/NDF :11.1/3

194.730+/-2.292 χ^2/NDF : 1546.2/4

-17.402+/-1.667 χ^2/NDF : 19761.1/8

-255.912+/-2.430 χ^2/NDF : 11.1/3

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 $\pm$ 0.936 χ^2/NDF : 294.0/16

Left Out: 6.723 $\pm$ 1.803 χ^2/NDF : 27.0/4

Right Out: -10.908 $\pm$ 0.912 χ^2/NDF : 303.1/19

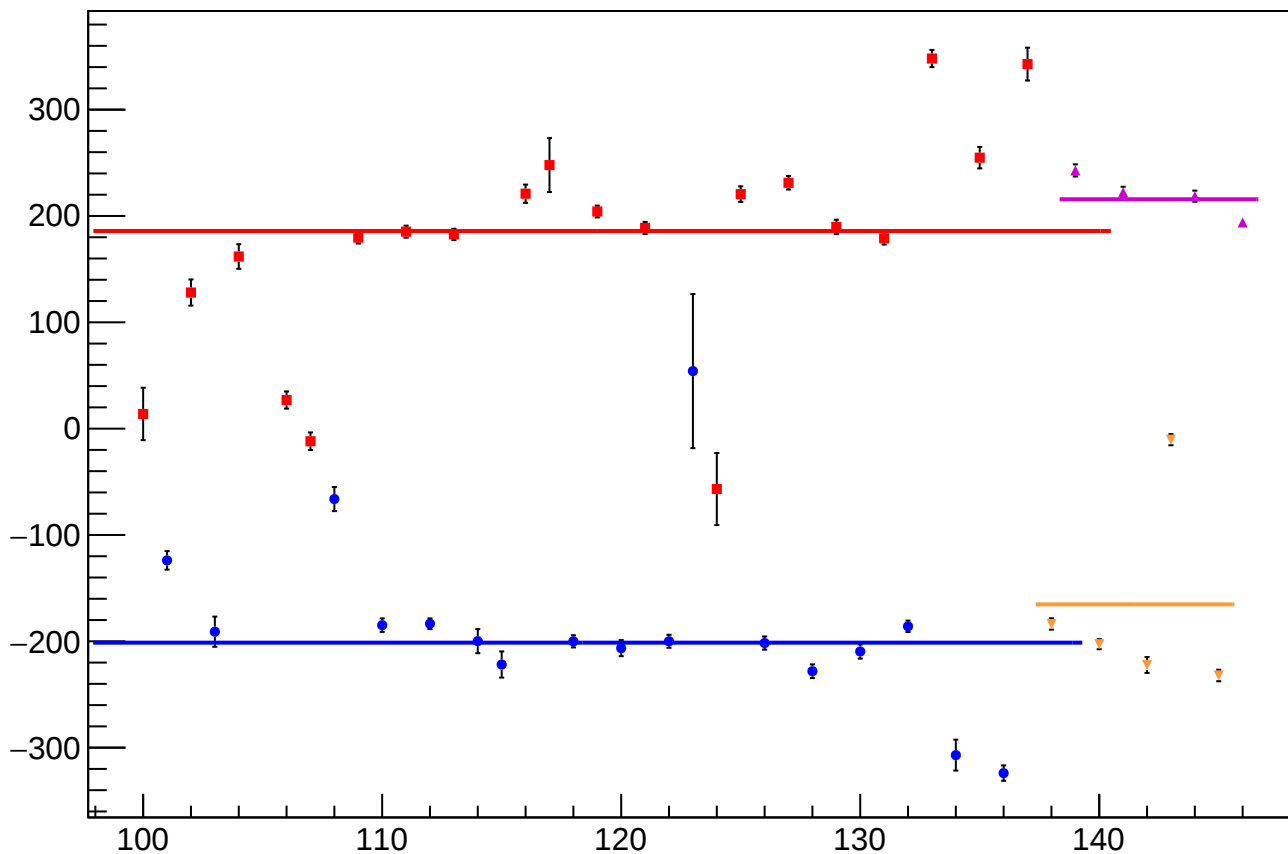
Left In: 3.214 $\pm$ 1.765 χ^2/NDF : 21.0/3

12.180 $\pm$ 0.831 χ^2/NDF : 332.7/21

1.869 $\pm$ 0.580 χ^2/NDF : 1007.7/45

-7.932 $\pm$ 0.810 χ^2/NDF : 374.6/23

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -165.257 ± 2.448 χ^2/NDF : 1149.8/4

Right Out: 185.871 ± 1.695 χ^2/NDF : 1752.0/19

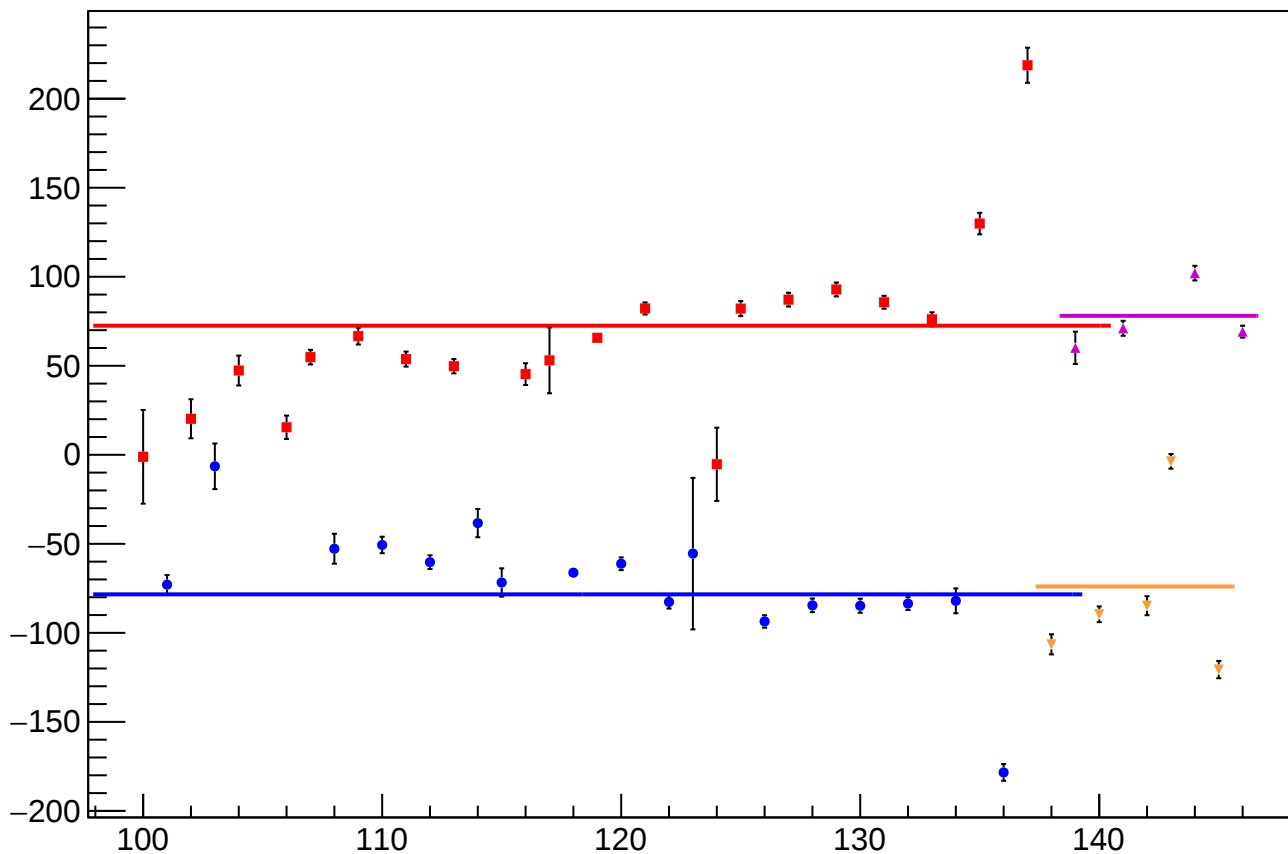
Left In: 215.722 ± 2.511 χ^2/NDF : 50.3/3

-188.672 ± 1.448 χ^2/NDF : 1913.9/21

8.992 ± 1.008 χ^2/NDF : 40016.4/45

195.217 ± 1.405 χ^2/NDF : 1899.4/23

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -73.964 ± 2.136 χ^2/NDF : 434.5/4

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

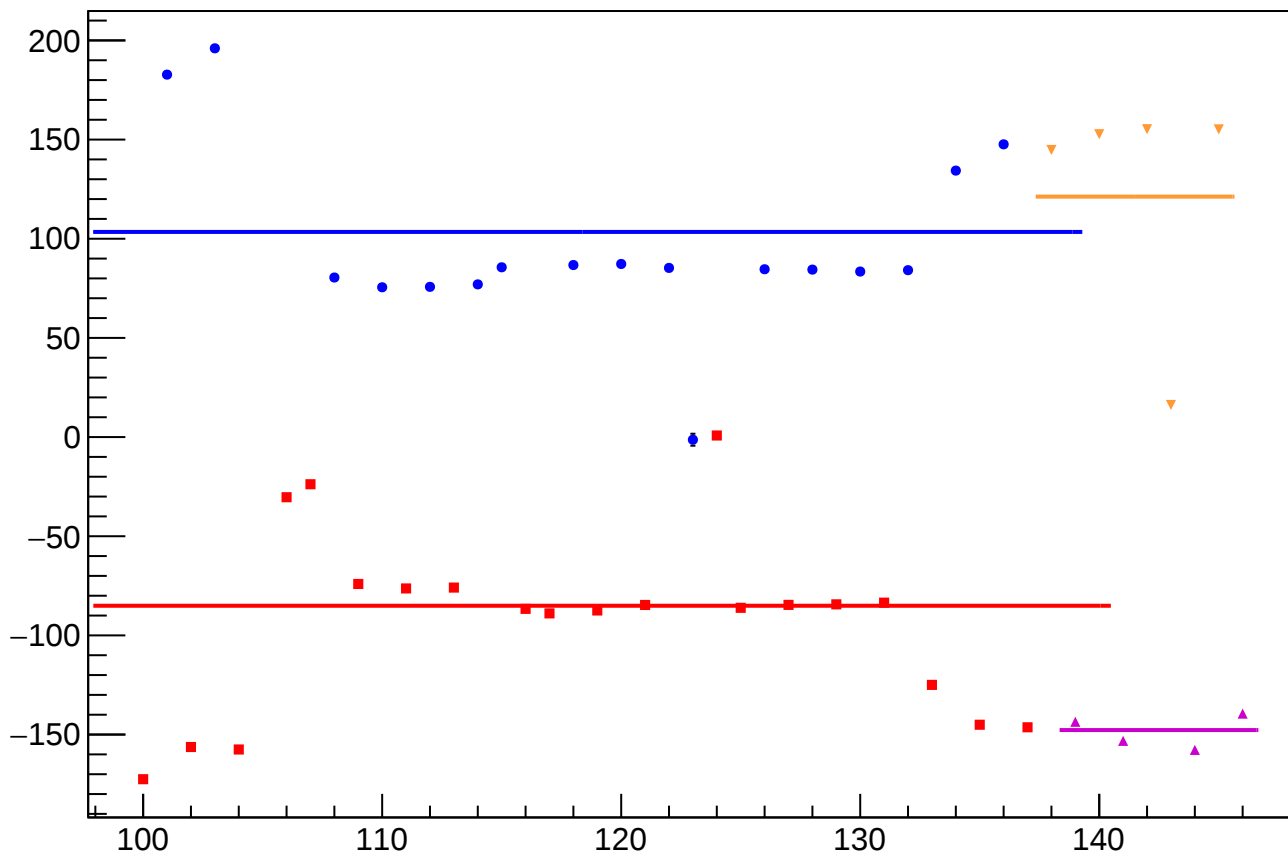
Left In: 78.065 ± 2.150 χ^2/NDF : 47.4/3

-77.476 ± 0.965 χ^2/NDF : 1089.2/21

-0.256 ± 0.675 χ^2/NDF : 14280.9/45

73.582 ± 0.943 χ^2/NDF : 659.8/23

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2/NDF : 272785.6/16

Left Out: 121.232 $\pm$ 0.100 χ^2/NDF : 322193.3/4

Right Out: -85.054 $\pm$ 0.064 χ^2/NDF : 422354.0/19

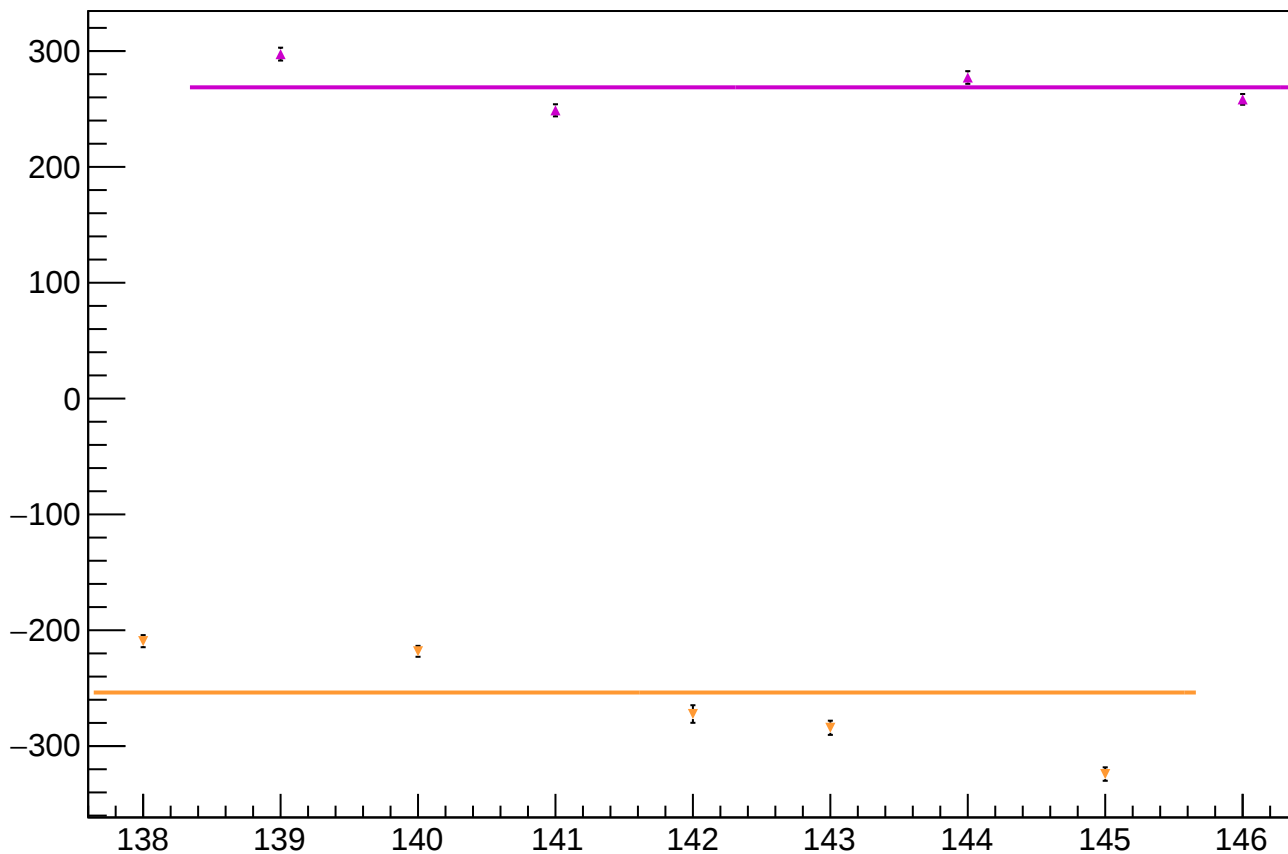
Left In: -147.733 $\pm$ 0.104 χ^2/NDF : 4769.7/3

109.421 $\pm$ 0.058 χ^2/NDF : 616178.6/21

-2.784 $\pm$ 0.040 χ^2/NDF : 8424424.7/45

-102.078 $\pm$ 0.054 χ^2/NDF : 690540.1/23

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -253.748+/-2.543 χ^2/NDF : 305.0/4

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

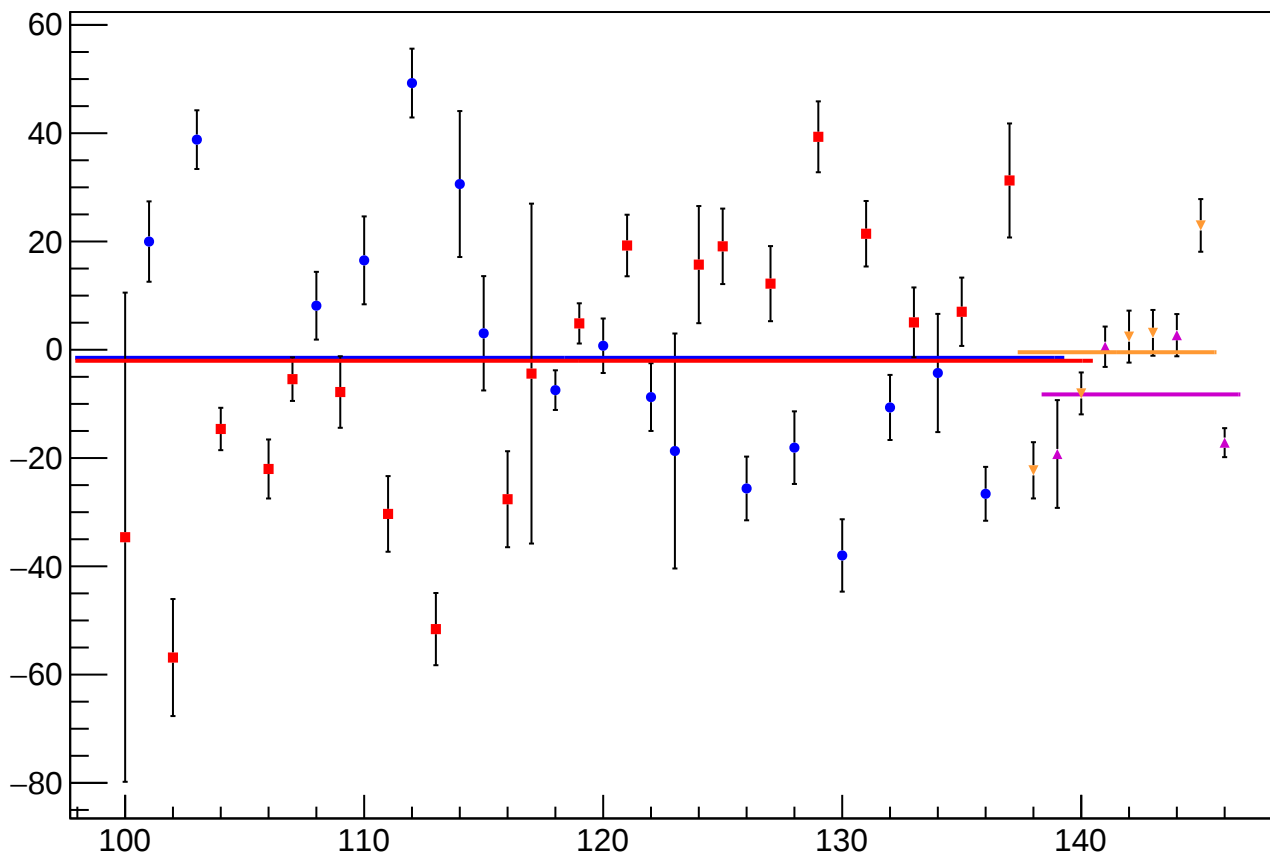
Left In: 268.693+/-2.592 χ^2/NDF : 48.4/3

-253.748+/-2.543 χ^2/NDF : 305.0/4

2.512+/-1.815 χ^2/NDF : 21055.5/8

268.693+/-2.592 χ^2/NDF : 48.4/3

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: -0.456 ± 2.019 χ^2/NDF : 45.8/4

Right Out: -2.032 ± 1.398 χ^2/NDF : 233.3/19

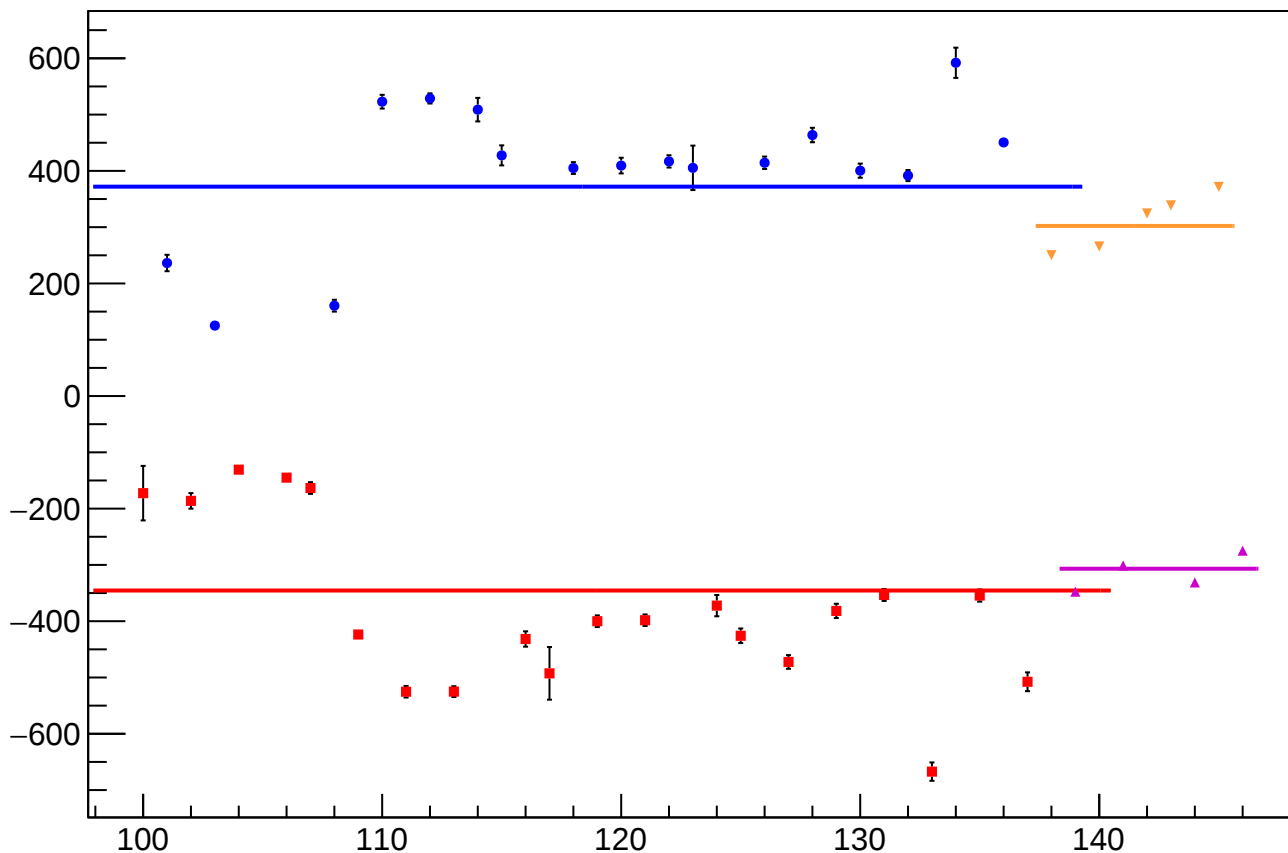
Left In: -8.248 ± 1.866 χ^2/NDF : 25.7/3

-1.111 ± 1.223 χ^2/NDF : 271.9/21

-2.829 ± 0.825 χ^2/NDF : 541.6/45

-4.267 ± 1.119 χ^2/NDF : 266.1/23

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 ± 2.778 χ^2/NDF : 2432.6/16

Left Out: 302.206 ± 2.714 χ^2/NDF : 303.6/4

Right Out: -345.485 ± 2.558 χ^2/NDF : 3425.1/19

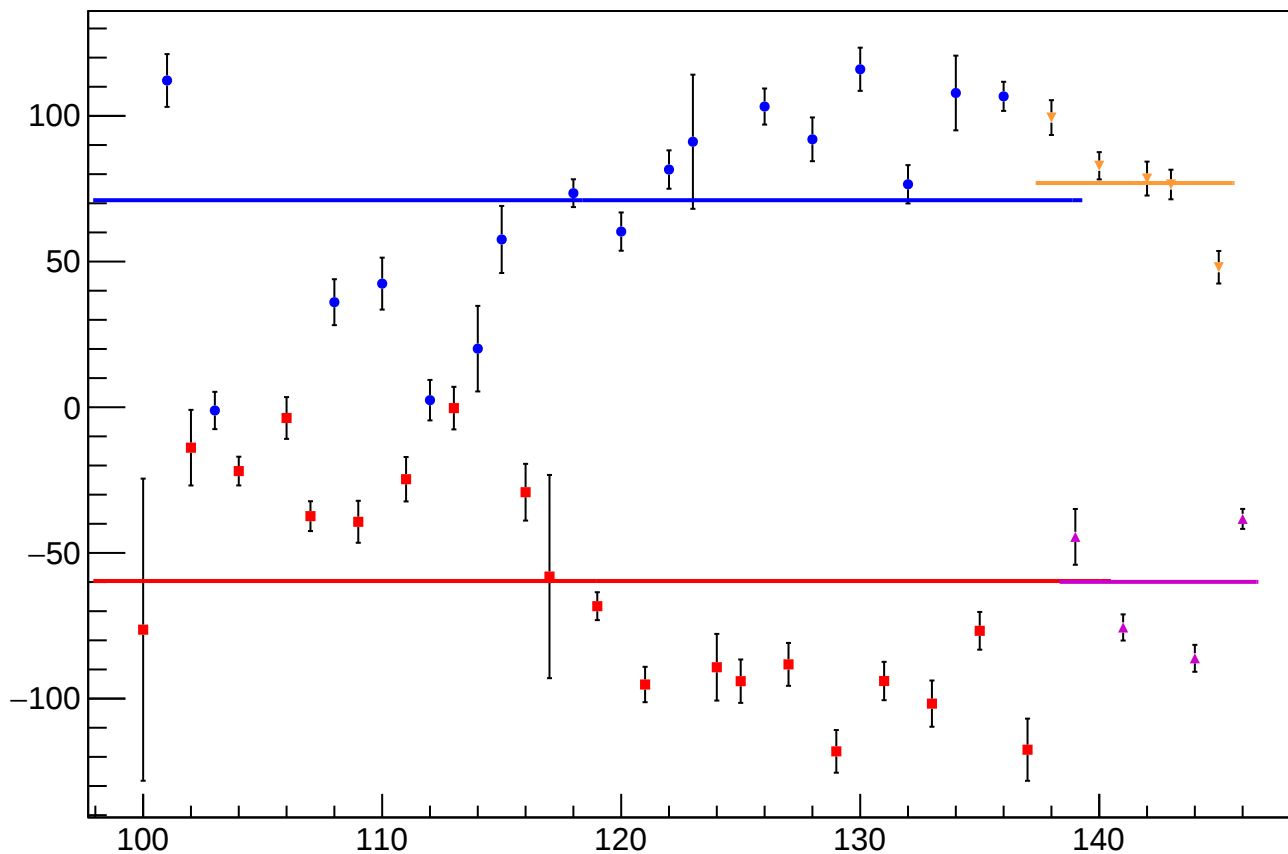
Left In: -306.789 ± 2.671 χ^2/NDF : 116.7/3

336.280 ± 1.941 χ^2/NDF : 3059.0/21

-11.712 ± 1.338 χ^2/NDF : 67964.0/45

-326.973 ± 1.848 χ^2/NDF : 3651.3/23

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056 $\pm$ 1.764 χ^2/NDF : 426.2/16

Left Out: 76.960 $\pm$ 2.396 χ^2/NDF : 42.6/4

Right Out: -59.634 $\pm$ 1.629 χ^2/NDF : 491.6/19

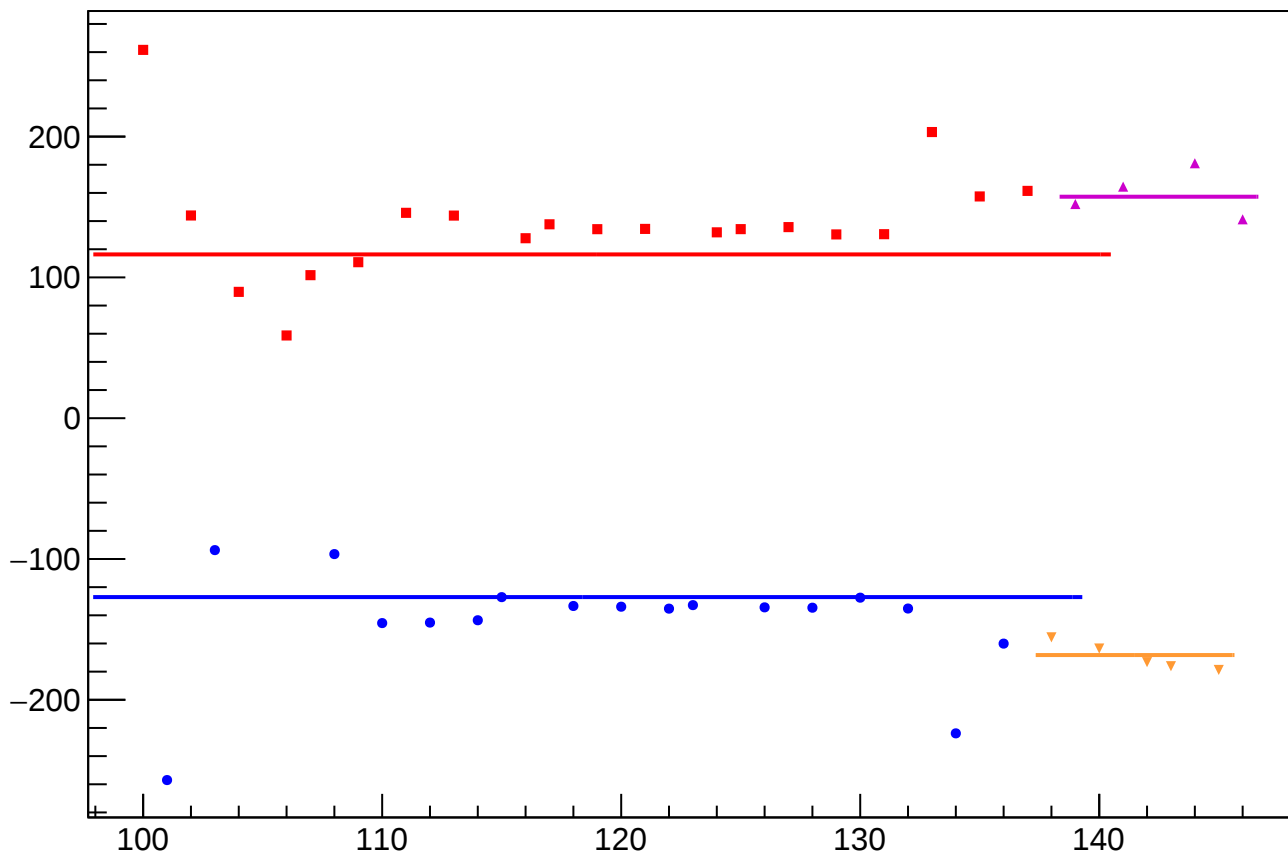
Left In: -59.933 $\pm$ 2.281 χ^2/NDF : 86.6/3

73.131 $\pm$ 1.421 χ^2/NDF : 472.7/21

2.118 $\pm$ 0.969 χ^2/NDF : 5726.0/45

-59.735 $\pm$ 1.326 χ^2/NDF : 578.2/23

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -168.220+/-0.111 χ^2/NDF : 6627.8/4

Right Out: 116.327+/-0.083 χ^2/NDF : 167208.7/19

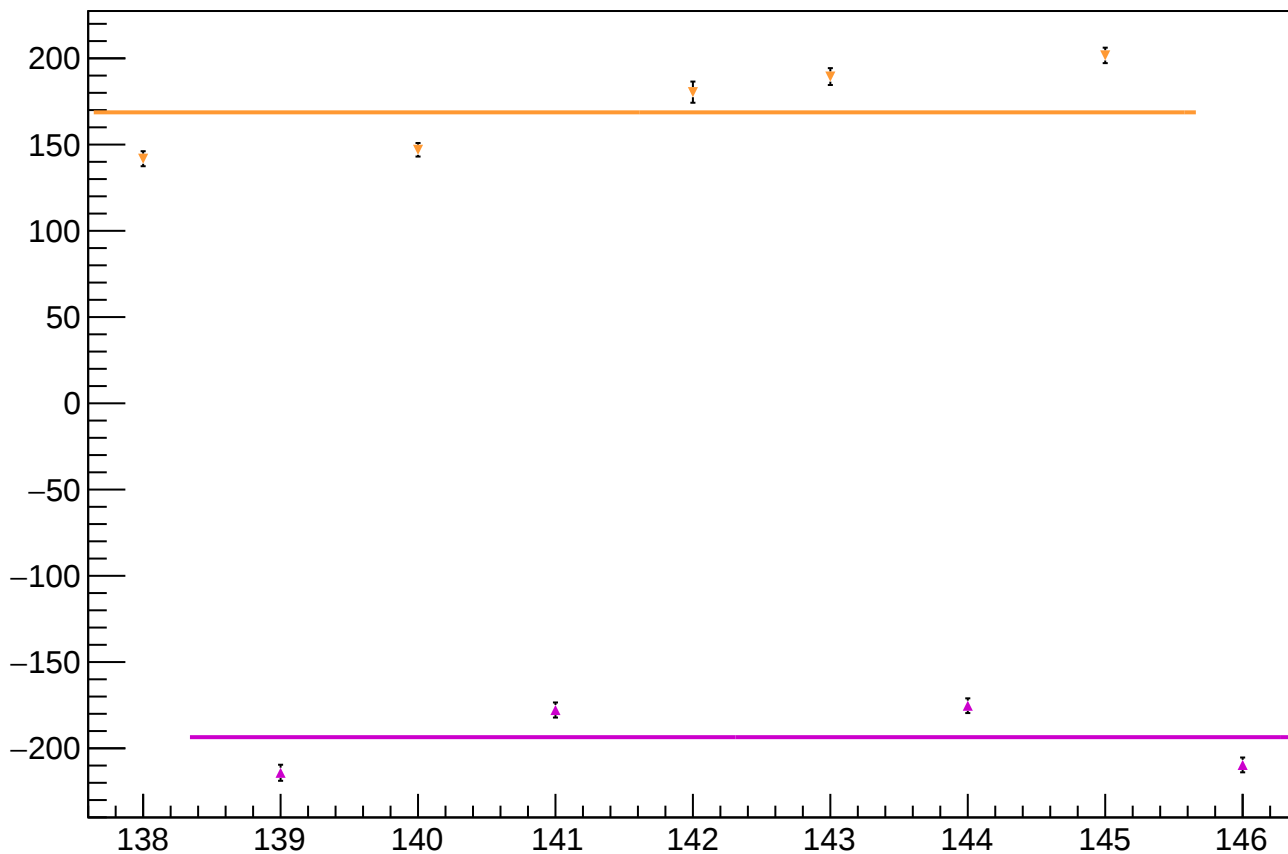
Left In: 157.309+/-0.111 χ^2/NDF : 16426.9/3

-143.342+/-0.070 χ^2/NDF : 256870.5/21

0.666+/-0.048 χ^2/NDF : 8641202.4/45

131.032+/-0.066 χ^2/NDF : 271274.2/23

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 168.685+/-2.060 χ^2/NDF : 144.6/4

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

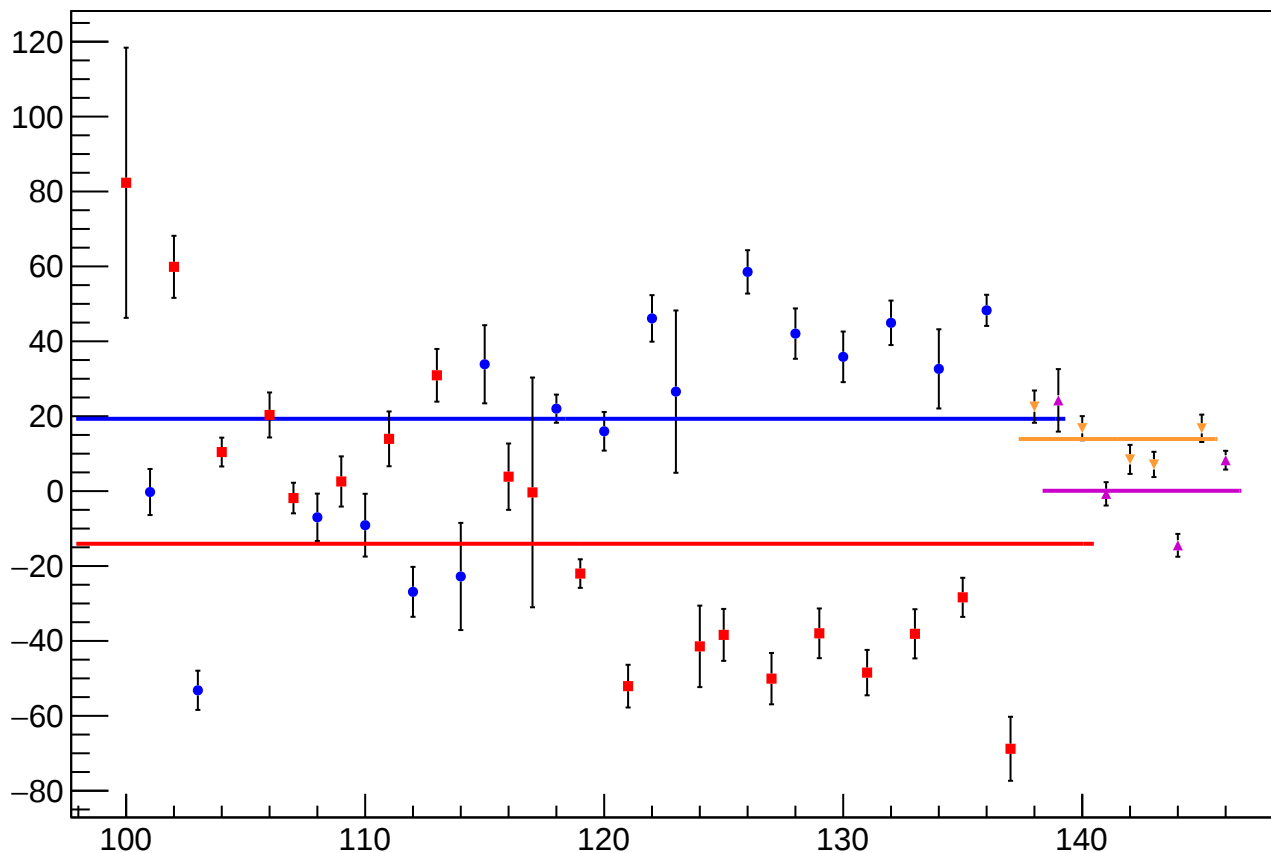
Left In: -193.540+/-2.196 χ^2/NDF : 64.9/3

168.685+/-2.060 χ^2/NDF : 144.6/4

-0.832+/-1.502 χ^2/NDF : 14686.1/8

-193.540+/-2.196 χ^2/NDF : 64.9/3

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308+/-1.500 χ^2/NDF : 441.3/16

Left Out: 13.912+/-1.623 χ^2/NDF : 11.5/4

Right Out: -14.055+/-1.388 χ^2/NDF : 437.1/19

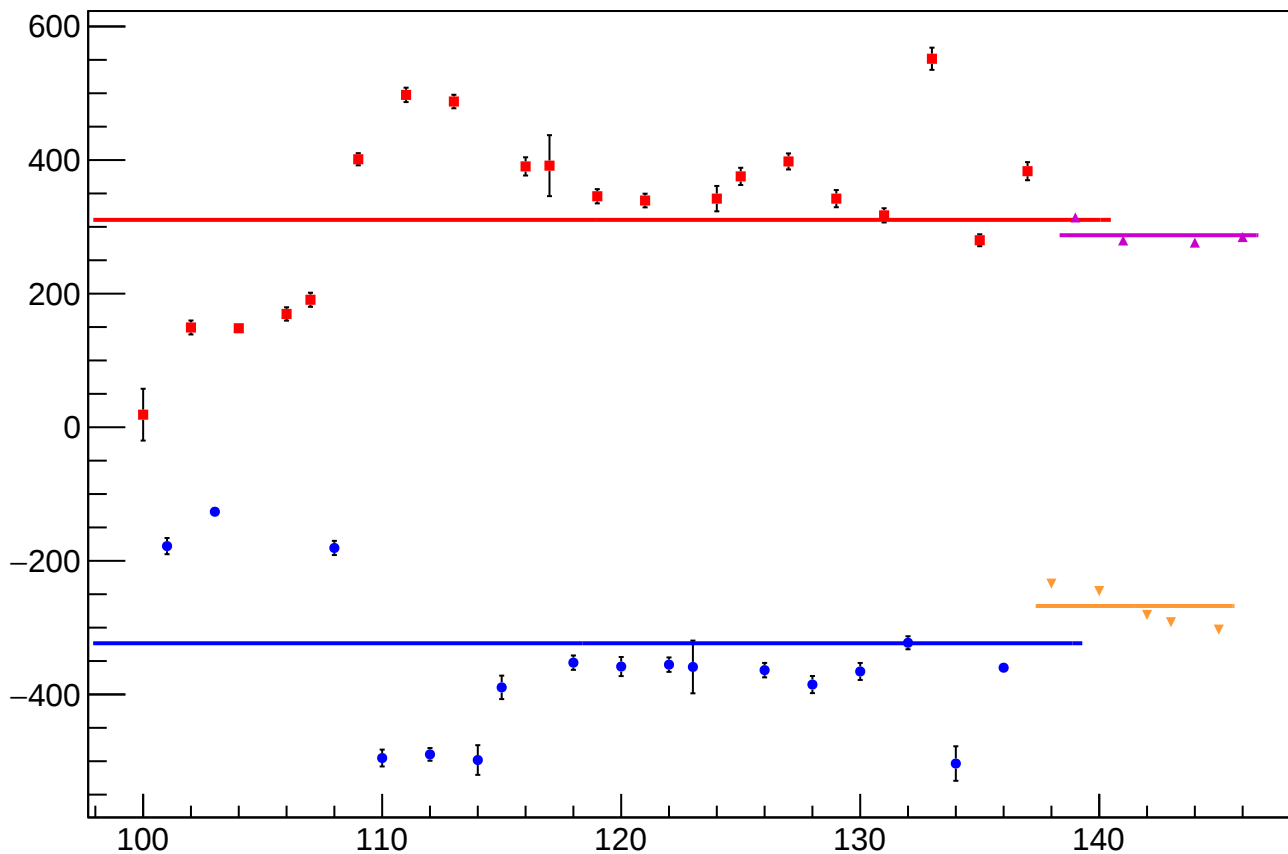
Left In: 0.092+/-1.613 χ^2/NDF : 41.9/3

16.821+/-1.102 χ^2/NDF : 458.7/21

3.822+/-0.761 χ^2/NDF : 1248.0/45

-8.036+/-1.052 χ^2/NDF : 523.1/23

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 ± 2.684 χ^2/NDF : 1849.6/16

Left Out: -267.581 ± 2.202 χ^2/NDF : 160.3/4

Right Out: 310.484 ± 2.520 χ^2/NDF : 2302.0/19

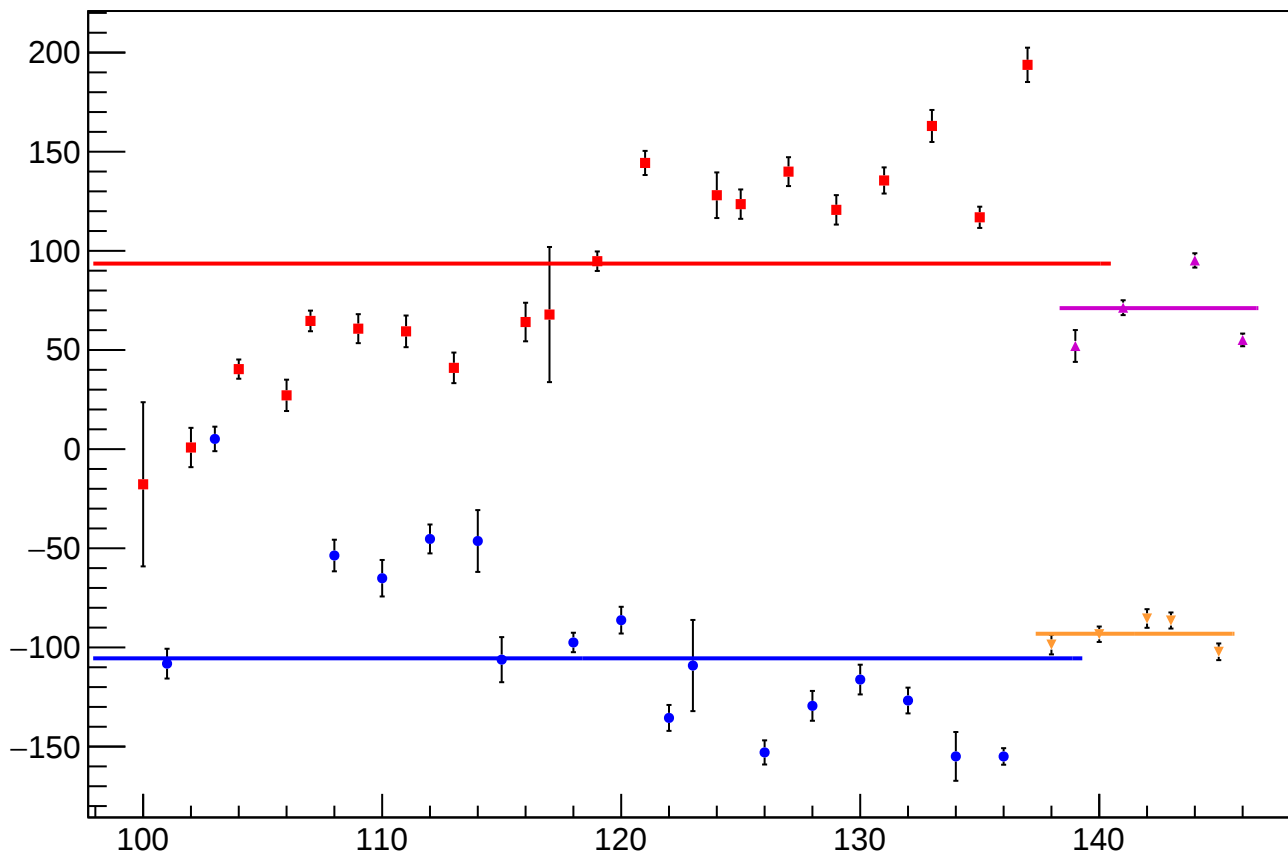
Left In: 287.459 ± 2.278 χ^2/NDF : 36.9/3

-290.033 ± 1.702 χ^2/NDF : 2268.5/21

6.051 ± 1.199 χ^2/NDF : 64723.7/45

297.815 ± 1.690 χ^2/NDF : 2384.9/23

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496+/-1.712 χ^2/NDF : 737.3/16

Left Out: -93.093+/-1.926 χ^2/NDF : 11.3/4

Right Out: 93.579+/-1.608 χ^2/NDF : 827.7/19

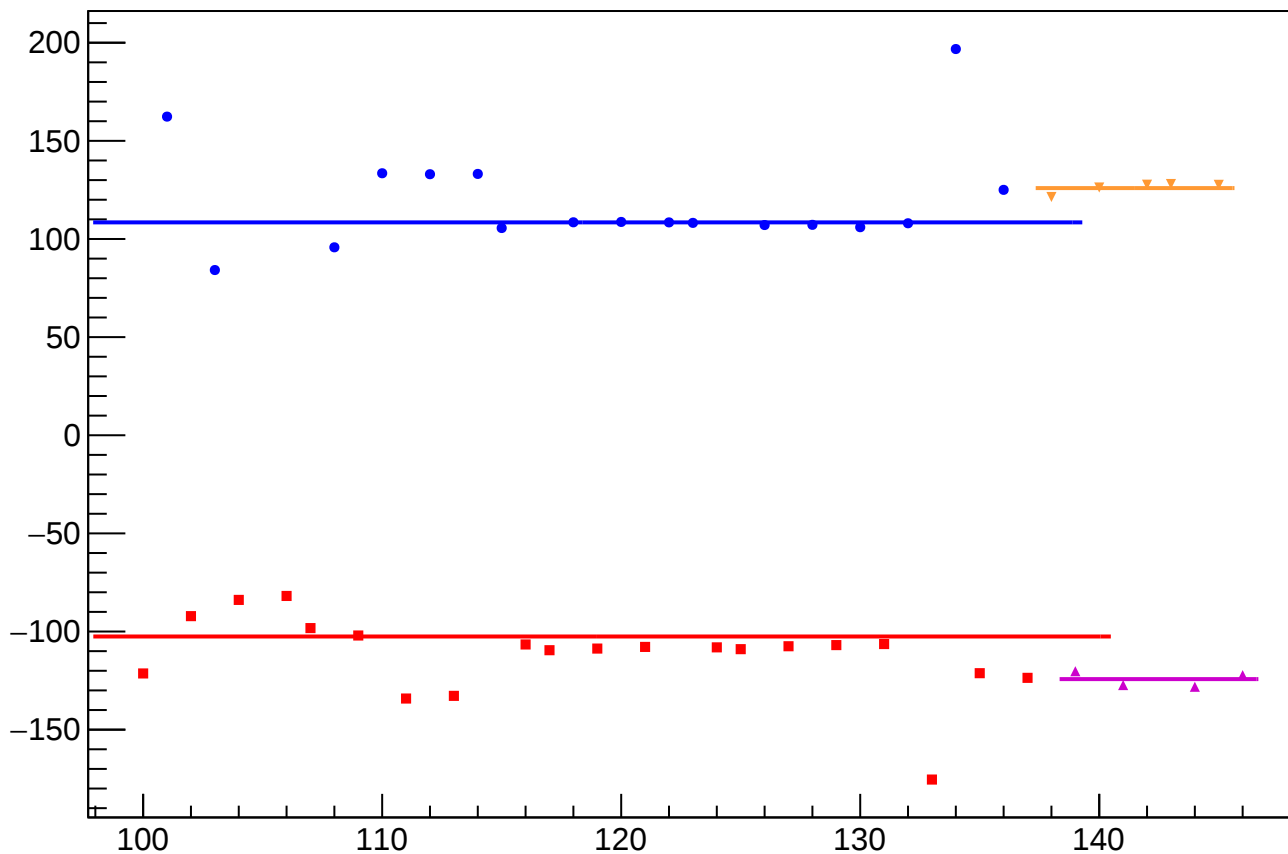
Left In: 71.113+/-1.959 χ^2/NDF : 75.0/3

-100.021+/-1.279 χ^2/NDF : 771.8/21

-5.085+/-0.892 χ^2/NDF : 12455.7/45

84.533+/-1.243 χ^2/NDF : 981.2/23

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 ± 0.085 $\chi^2/\text{NDF}: 73301.9/16$

Left Out: 125.930 ± 0.090 $\chi^2/\text{NDF}: 807.9/4$

Right Out: -102.532 ± 0.079 $\chi^2/\text{NDF}: 53003.2/19$

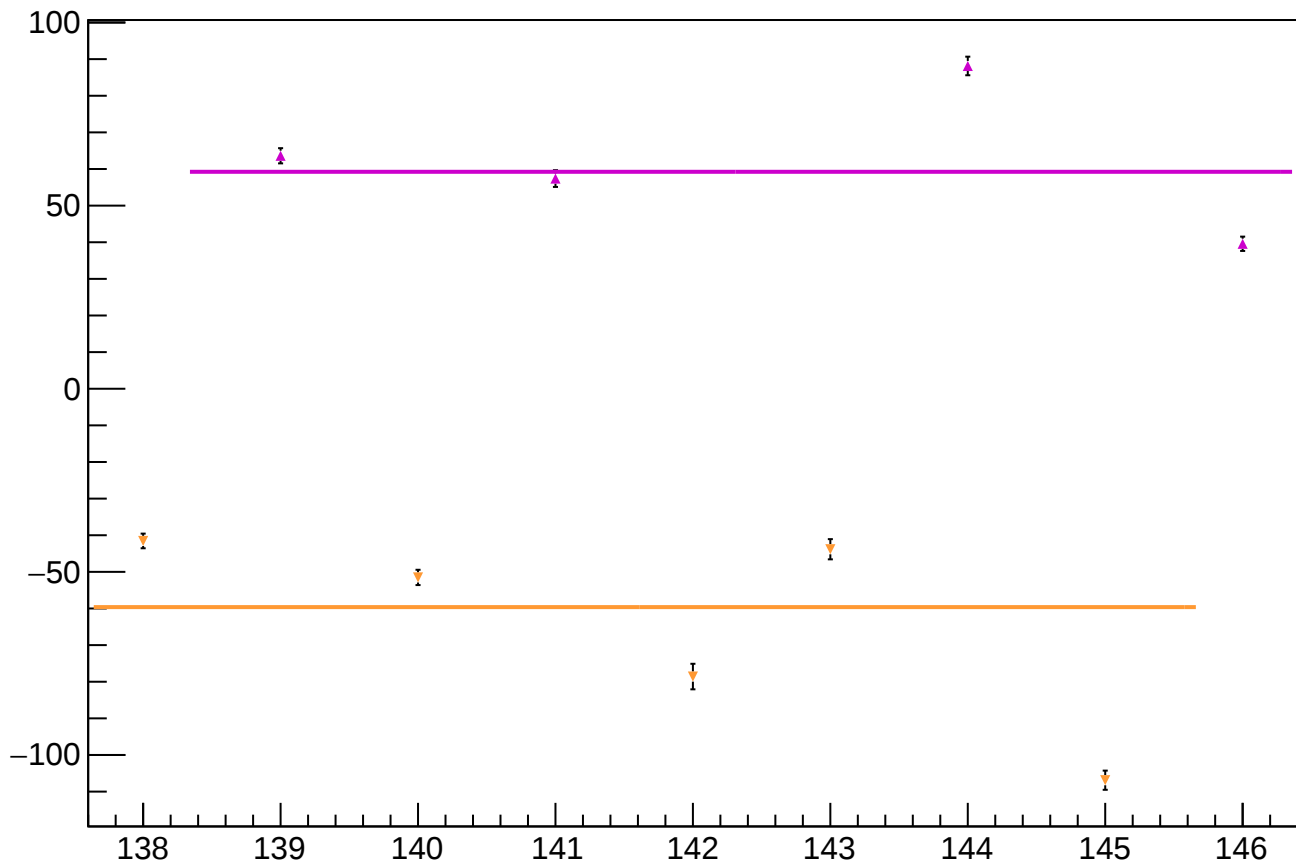
Left In: -124.242 ± 0.094 $\chi^2/\text{NDF}: 1268.7/3$

116.720 ± 0.062 $\chi^2/\text{NDF}: 94081.5/21$

0.708 ± 0.043 $\chi^2/\text{NDF}: 7132756.3/45$

-111.576 ± 0.061 $\chi^2/\text{NDF}: 85347.1/23$

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -59.624+/-1.092 χ^2/NDF : 484.7/4

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

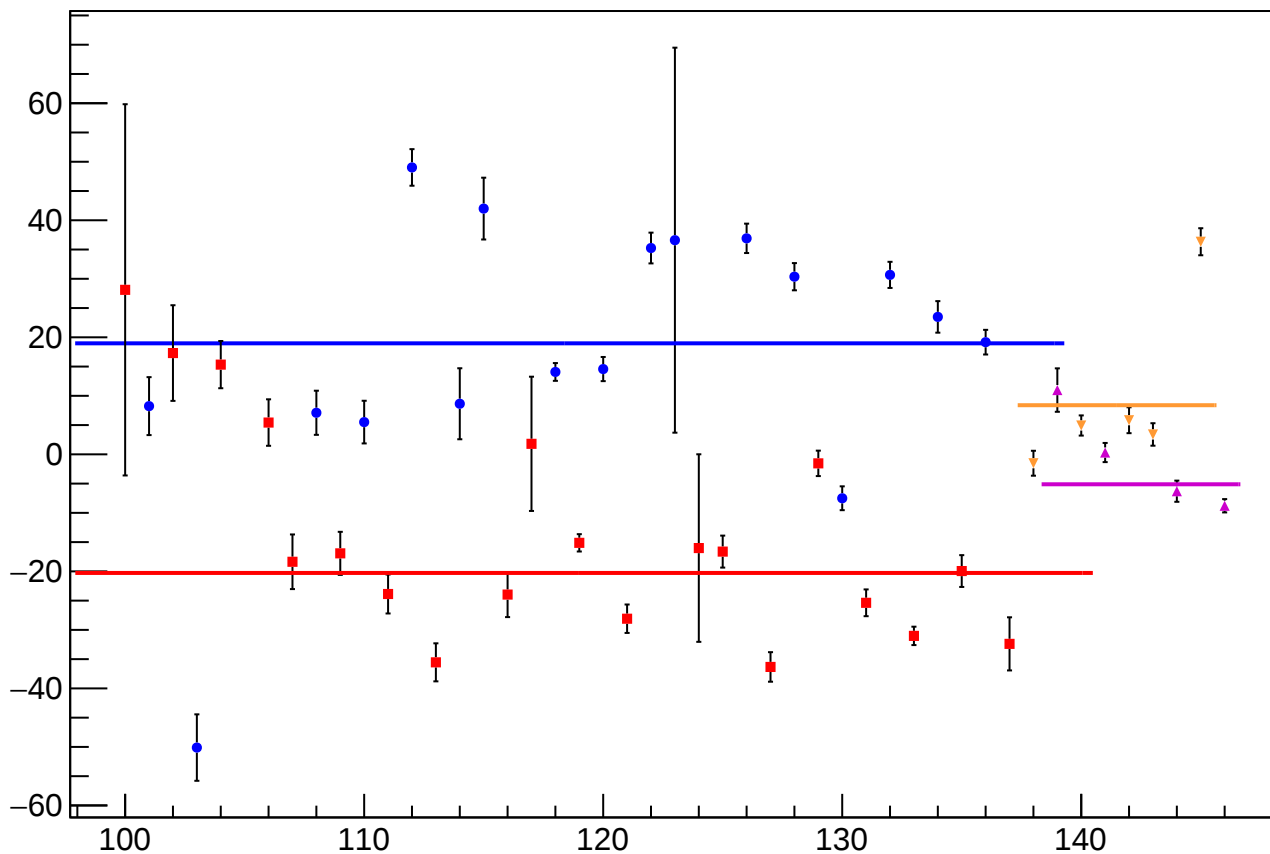
Left In: 59.237+/-1.091 χ^2/NDF : 235.9/3

-59.624+/-1.092 χ^2/NDF : 484.7/4

-0.141+/-0.772 χ^2/NDF : 6651.7/8

59.237+/-1.091 χ^2/NDF : 235.9/3

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 8.395 ± 0.905 χ^2/NDF : 180.0/4

Right Out: -20.269 ± 0.641 χ^2/NDF : 370.1/19

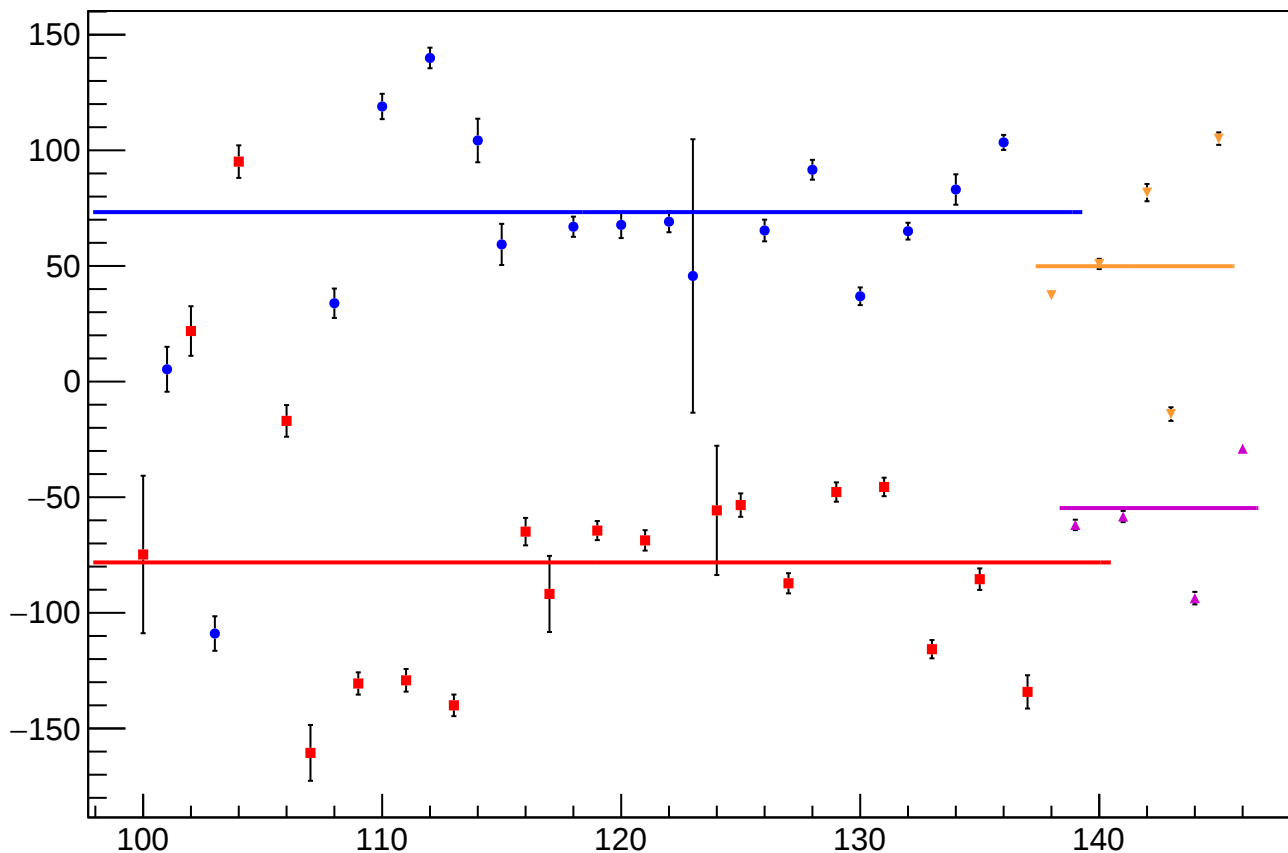
Left In: -5.118 ± 0.811 χ^2/NDF : 40.6/3

15.351 ± 0.530 χ^2/NDF : 888.2/21

-0.314 ± 0.365 χ^2/NDF : 3177.5/45

-14.438 ± 0.503 χ^2/NDF : 625.6/23

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278 ± 1.236 $\chi^2/\text{NDF}: 1198.6/16$

Left Out: 49.882 ± 1.164 $\chi^2/\text{NDF}: 994.3/4$

Right Out: -78.205 ± 1.219 $\chi^2/\text{NDF}: 1544.0/19$

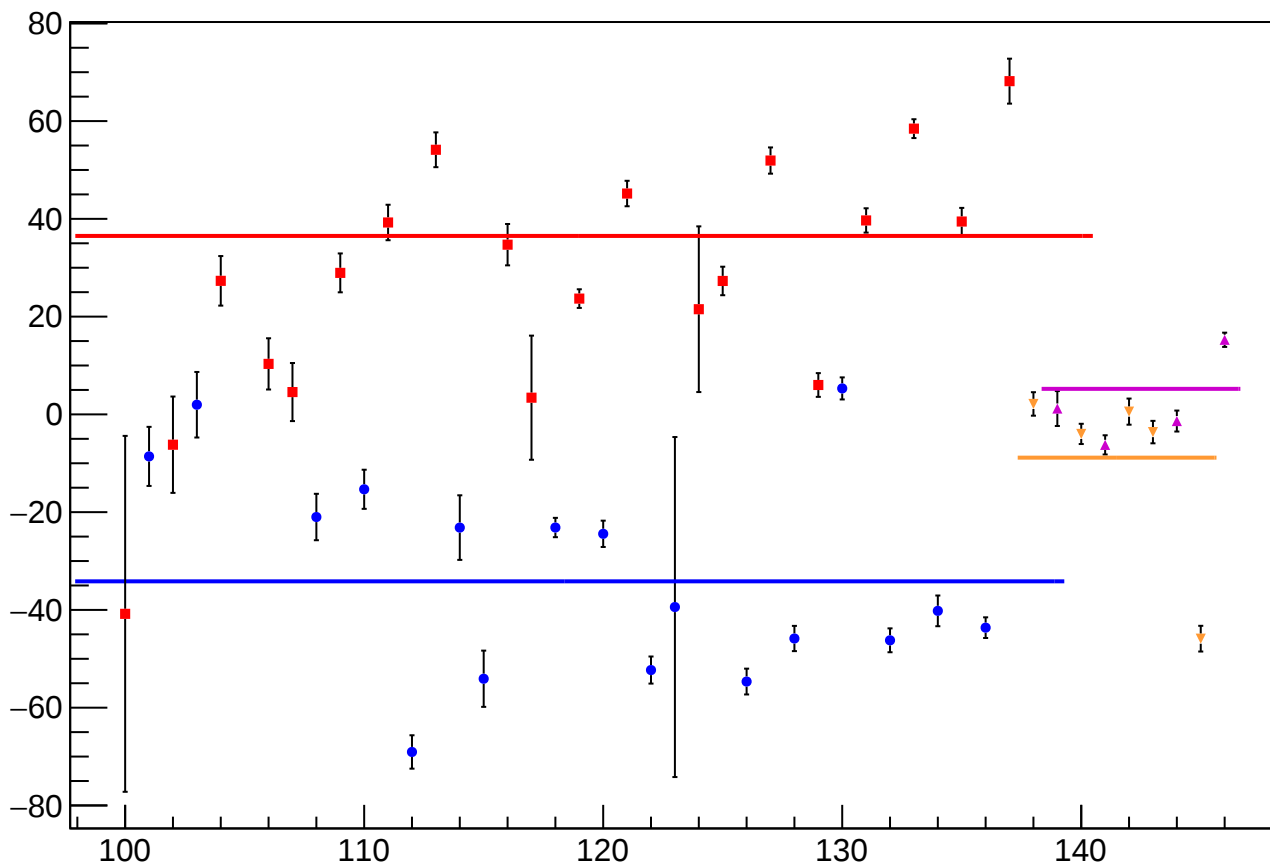
Left In: -54.692 ± 1.126 $\chi^2/\text{NDF}: 407.2/3$

60.870 ± 0.847 $\chi^2/\text{NDF}: 2382.8/21$

-3.846 ± 0.592 $\chi^2/\text{NDF}: 15926.0/45$

-65.516 ± 0.827 $\chi^2/\text{NDF}: 2151.9/23$

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 $\chi^2/\text{NDF}: 717.5/16$

Left Out: -8.851 ± 1.065 $\chi^2/\text{NDF}: 242.1/4$

Right Out: 36.507 ± 0.735 $\chi^2/\text{NDF}: 553.8/19$

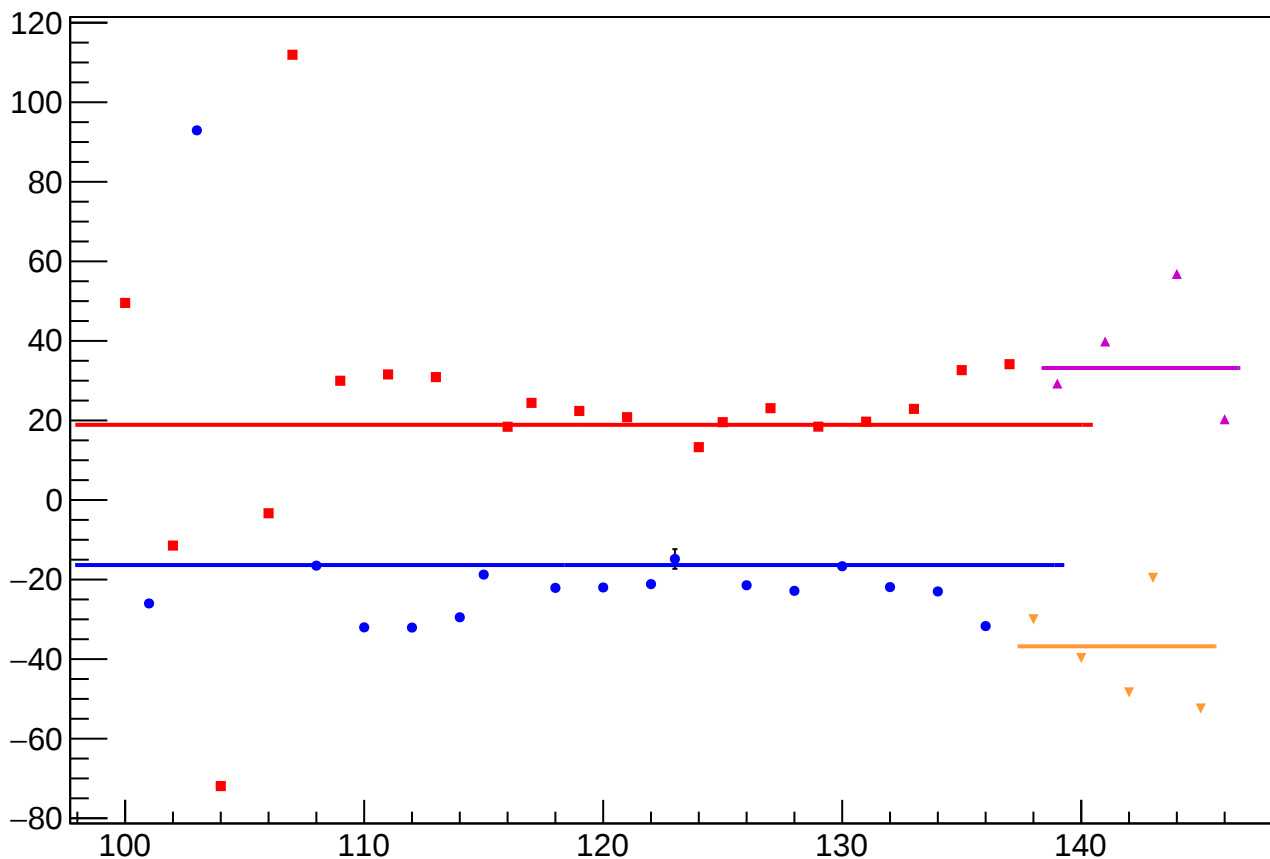
Left In: 5.223 ± 0.988 $\chi^2/\text{NDF}: 92.0/3$

-25.845 ± 0.610 $\chi^2/\text{NDF}: 1338.5/21$

0.658 ± 0.424 $\chi^2/\text{NDF}: 6272.8/45$

25.371 ± 0.589 $\chi^2/\text{NDF}: 1291.5/23$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 $\pm$ 0.045 χ^2 /NDF: 474192.3/16

Left Out: -36.786 $\pm$ 0.047 χ^2 /NDF: 56044.9/4

Right Out: 18.906 $\pm$ 0.045 χ^2 /NDF: 433847.1/19

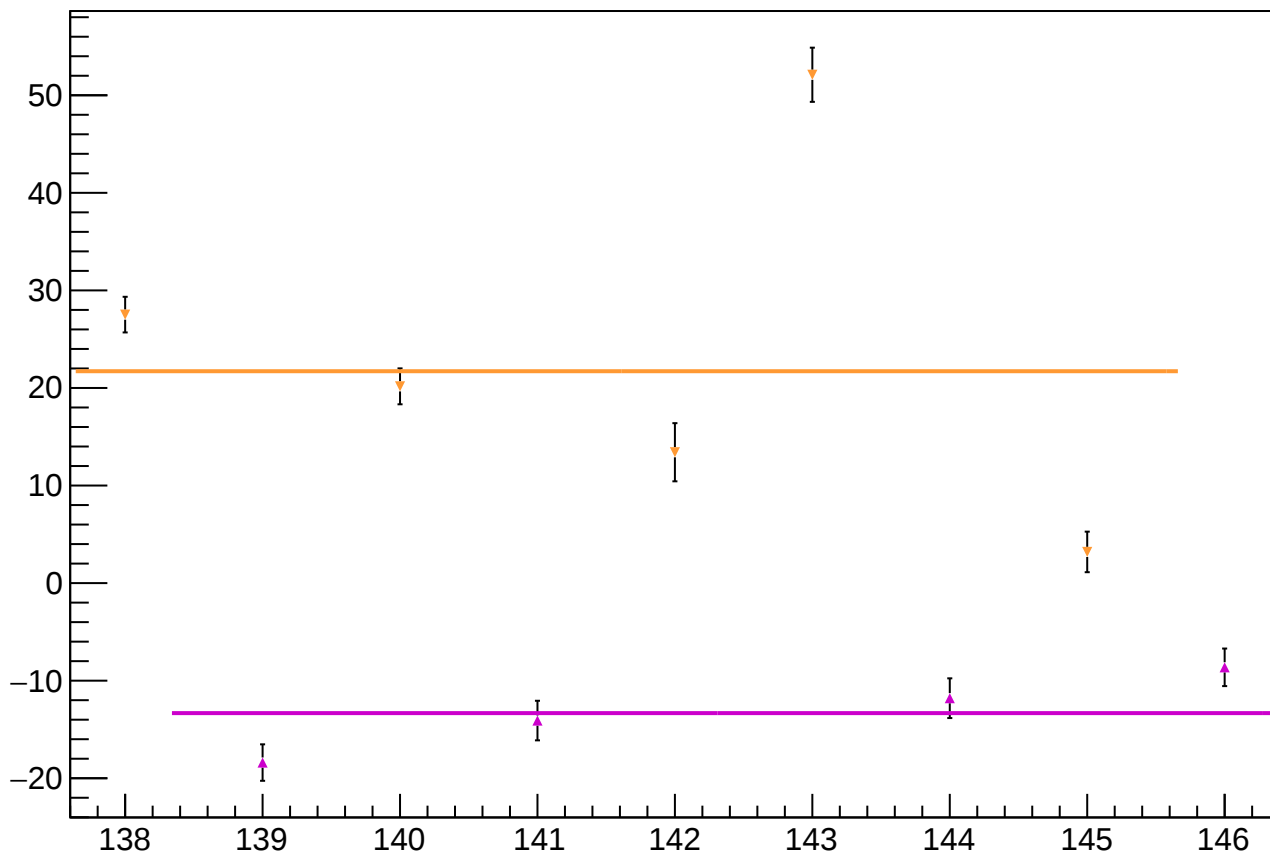
Left In: 33.186 $\pm$ 0.046 χ^2 /NDF: 68945.2/3

-26.018 $\pm$ 0.032 χ^2 /NDF: 629383.8/21

0.045 $\pm$ 0.023 χ^2 /NDF: 2469730.2/45

25.907 $\pm$ 0.032 χ^2 /NDF: 551695.3/23

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 21.717+/-0.967 χ^2/NDF : 217.7/4

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

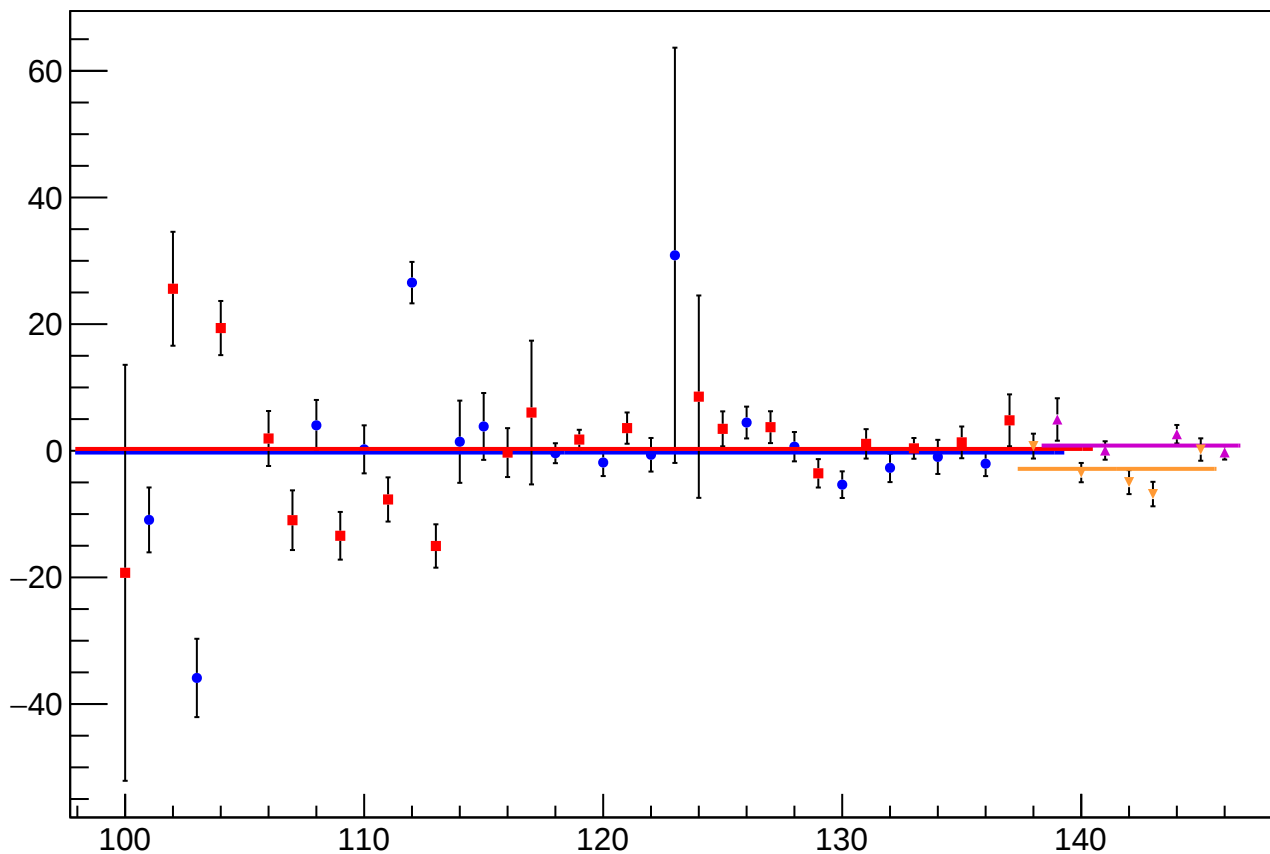
Left In: -13.325+/-0.980 χ^2/NDF : 14.0/3

21.717+/-0.967 χ^2/NDF : 217.7/4

4.431+/-0.689 χ^2/NDF : 879.1/8

-13.325+/-0.980 χ^2/NDF : 14.0/3

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -2.856 ± 0.802 χ^2/NDF : 11.9/4

Right Out: 0.289 ± 0.655 χ^2/NDF : 83.4/19

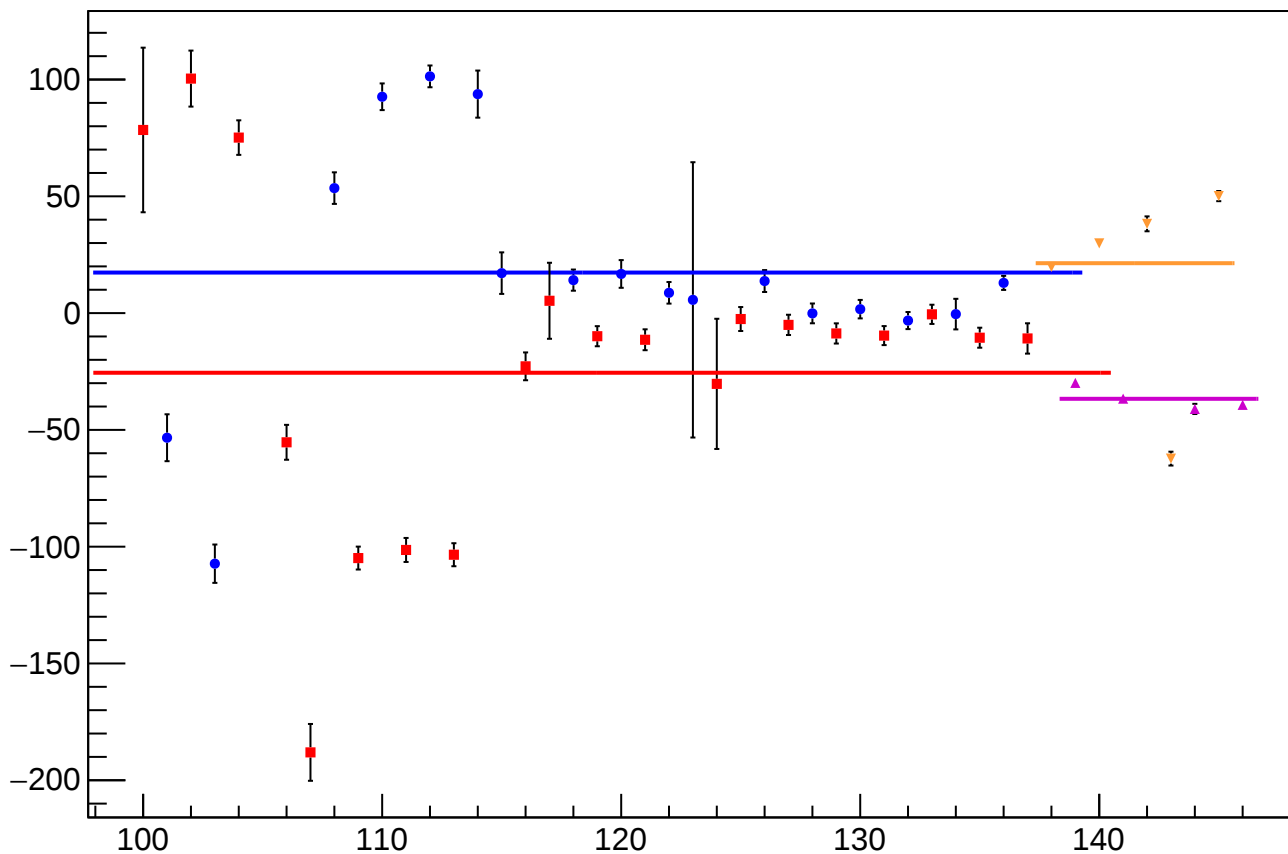
Left In: 0.820 ± 0.743 χ^2/NDF : 4.2/3

-1.326 ± 0.511 χ^2/NDF : 137.6/21

-0.366 ± 0.354 χ^2/NDF : 232.4/45

0.522 ± 0.491 χ^2/NDF : 88.0/23

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 χ^2/NDF : 943.0/16

Left Out: 21.369 ± 1.033 χ^2/NDF : 1018.0/4

Right Out: -25.537 ± 1.239 χ^2/NDF : 1382.4/19

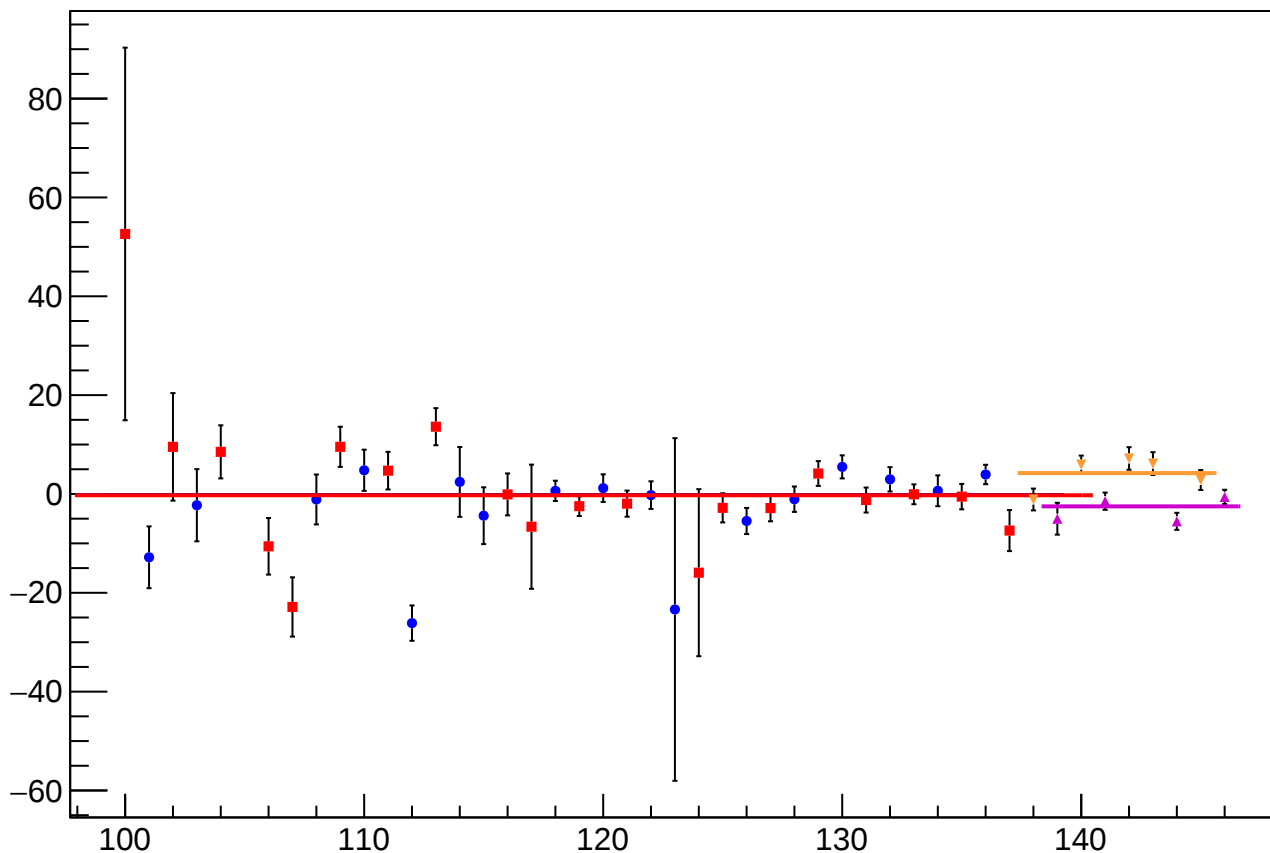
Left In: -36.691 ± 1.018 χ^2/NDF : 17.3/3

19.739 ± 0.795 χ^2/NDF : 1967.1/21

-6.506 ± 0.559 χ^2/NDF : 5570.3/45

-32.195 ± 0.787 χ^2/NDF : 1448.1/23

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 4.223 ± 0.941 χ^2/NDF : 9.6/4

Right Out: -0.262 ± 0.747 χ^2/NDF : 54.8/19

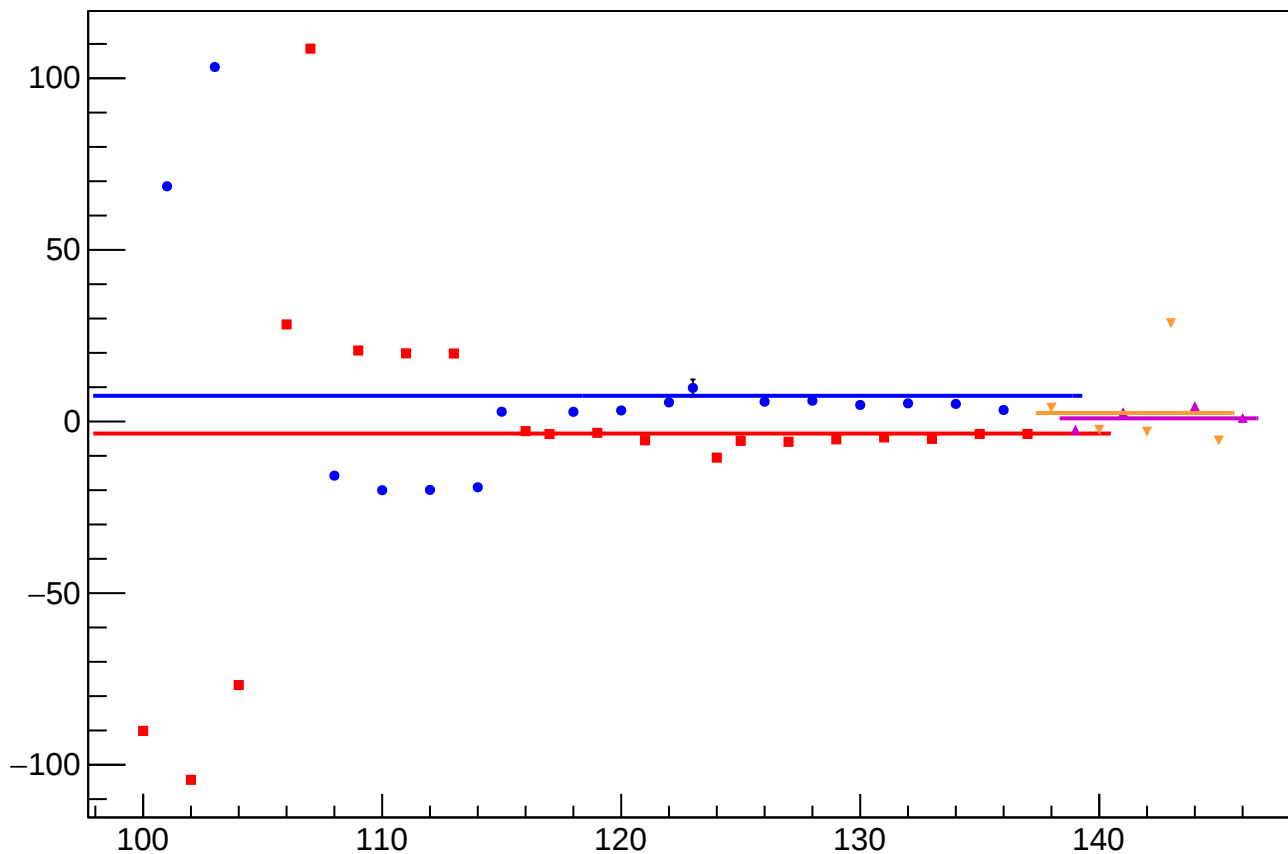
Left In: -2.511 ± 0.898 χ^2/NDF : 5.8/3

1.516 ± 0.587 χ^2/NDF : 99.0/21

0.137 ± 0.411 χ^2/NDF : 174.1/45

-1.182 ± 0.574 χ^2/NDF : 64.3/23

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 χ^2/NDF : 355979.0/16

Left Out: 2.489 ± 0.042 χ^2/NDF : 62918.8/4

Right Out: -3.504 ± 0.046 χ^2/NDF : 510579.5/19

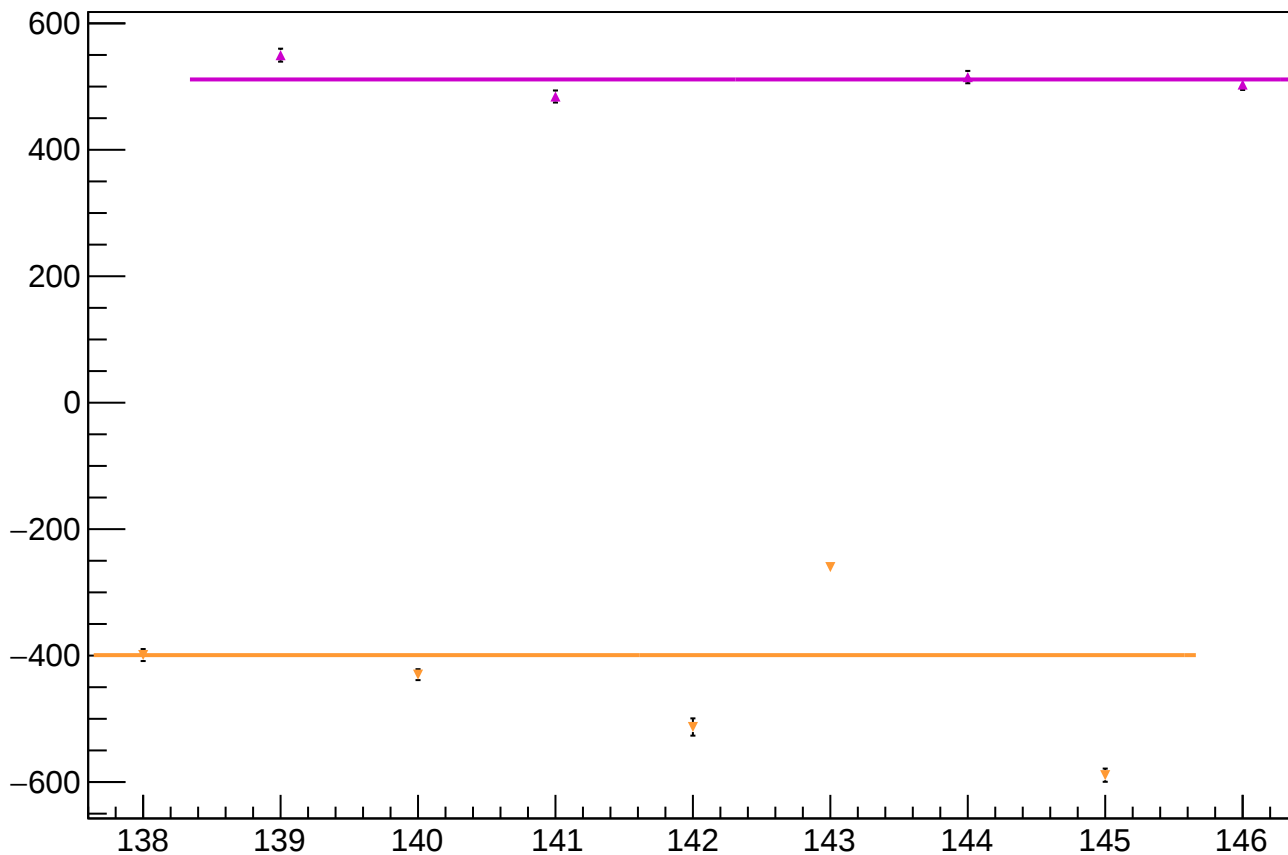
Left In: 0.926 ± 0.042 χ^2/NDF : 3969.2/3

4.819 ± 0.030 χ^2/NDF : 425610.2/21

1.889 ± 0.022 χ^2/NDF : 963973.4/45

-1.088 ± 0.031 χ^2/NDF : 519710.9/23

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -399.268+/-4.127 χ^2/NDF : 795.2/4

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

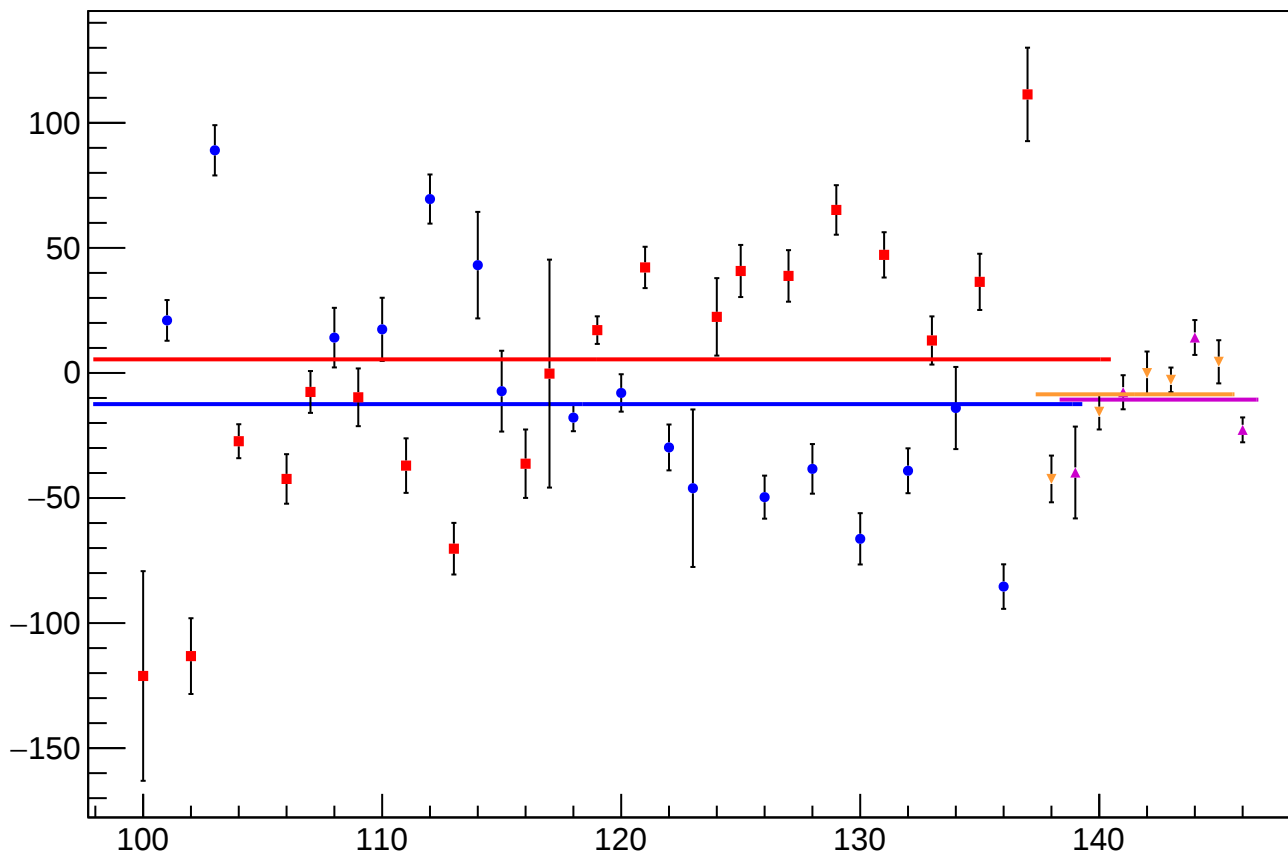
Left In: 511.264+/-4.743 χ^2/NDF : 23.0/3

-399.268+/-4.127 χ^2/NDF : 795.2/4

-6.953+/-3.113 χ^2/NDF : 21795.6/8

511.264+/-4.743 χ^2/NDF : 23.0/3

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: -8.539 ± 3.167 χ^2/NDF : 18.7/4

Right Out: 5.439 ± 2.256 χ^2/NDF : 345.0/19

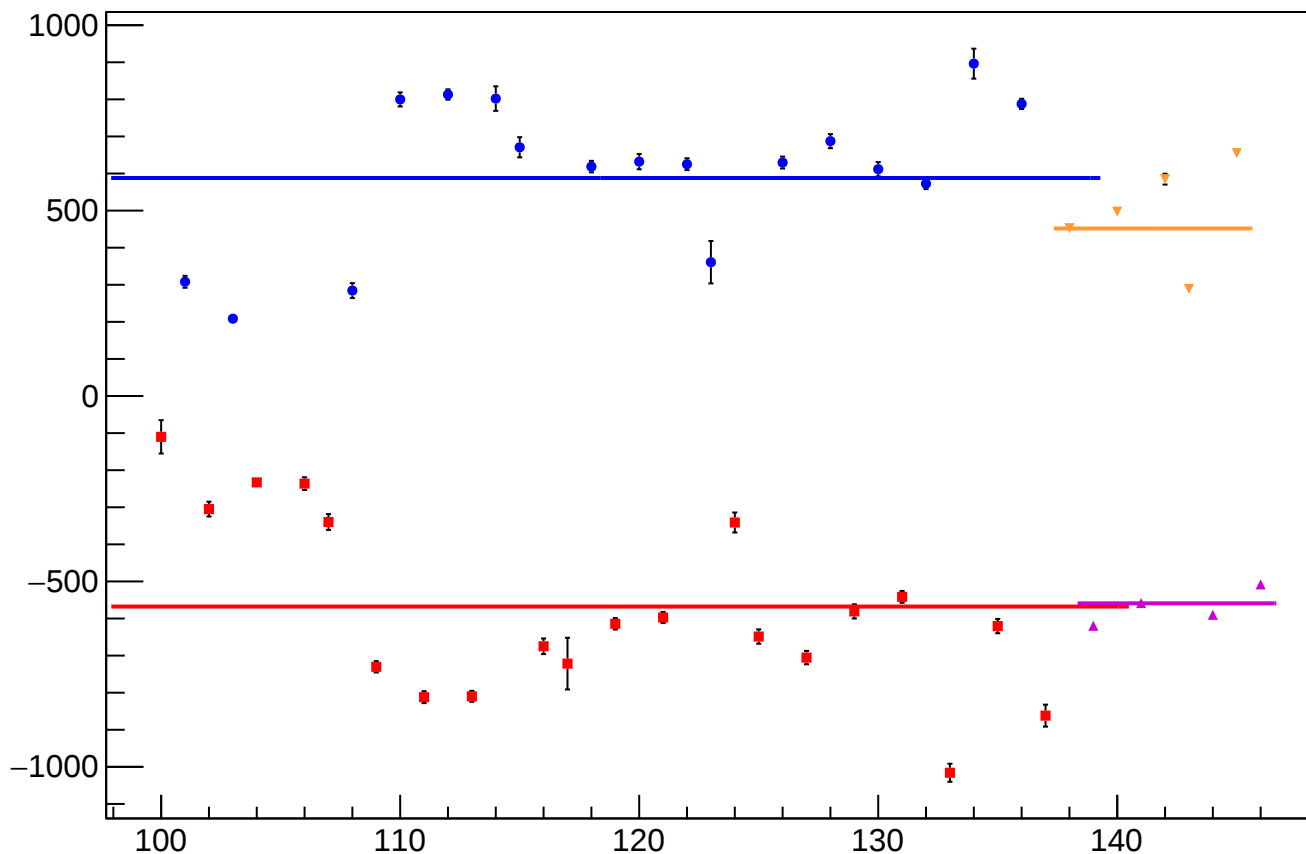
Left In: -10.660 ± 3.420 χ^2/NDF : 21.3/3

-11.067 ± 1.886 χ^2/NDF : 360.8/21

-5.244 ± 1.333 χ^2/NDF : 761.5/45

0.558 ± 1.883 χ^2/NDF : 381.7/23

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 ± 4.353 χ^2/NDF : 2129.6/16

Left Out: 451.824 ± 4.407 χ^2/NDF : 908.4/4

Right Out: -567.720 ± 4.129 χ^2/NDF : 2788.1/19

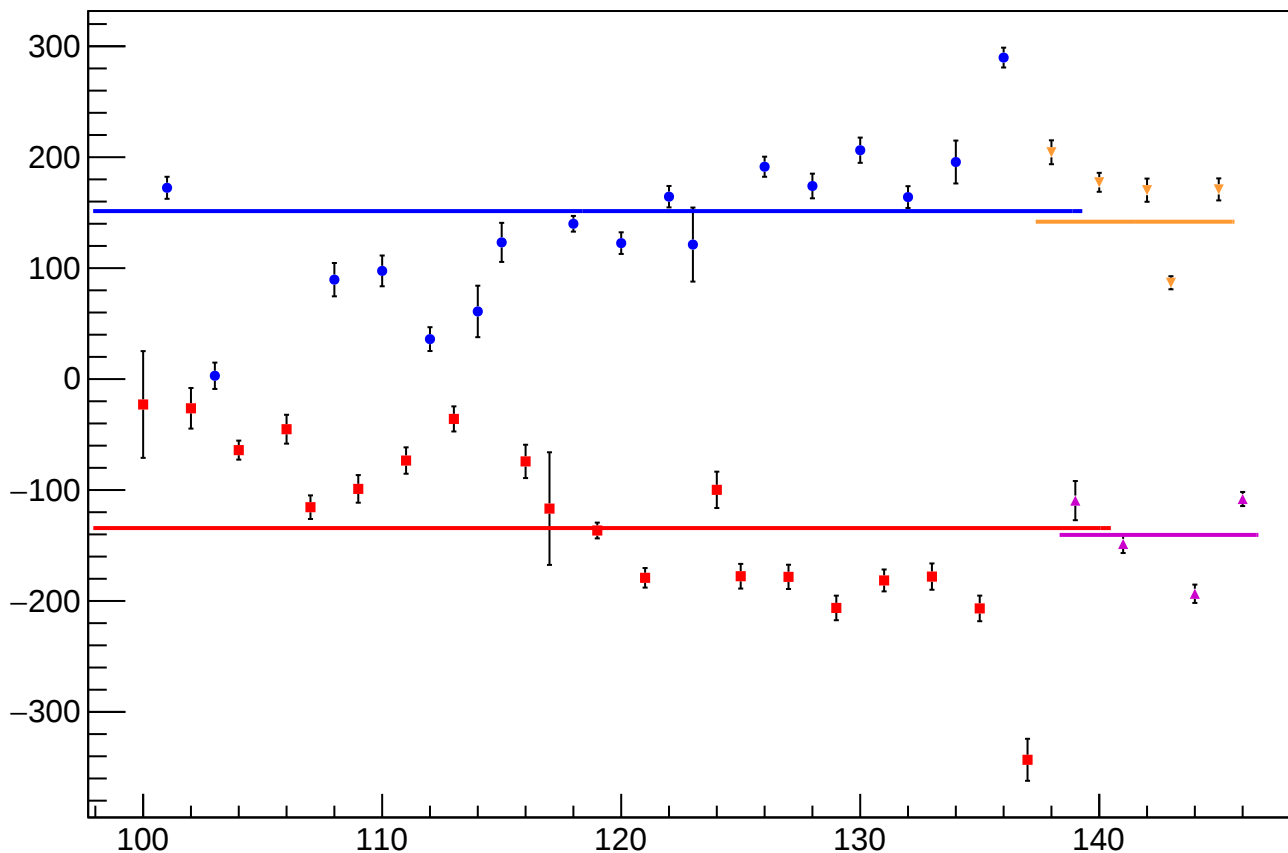
Left In: -559.044 ± 4.893 χ^2/NDF : 77.2/3

520.750 ± 3.097 χ^2/NDF : 3521.3/21

-11.509 ± 2.210 χ^2/NDF : 66599.8/45

-564.112 ± 3.155 χ^2/NDF : 2867.1/23

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 ± 2.709 χ^2/NDF : 633.3/16

Left Out: 141.858 ± 3.770 χ^2/NDF : 154.1/4

Right Out: -134.299 ± 2.612 χ^2/NDF : 585.0/19

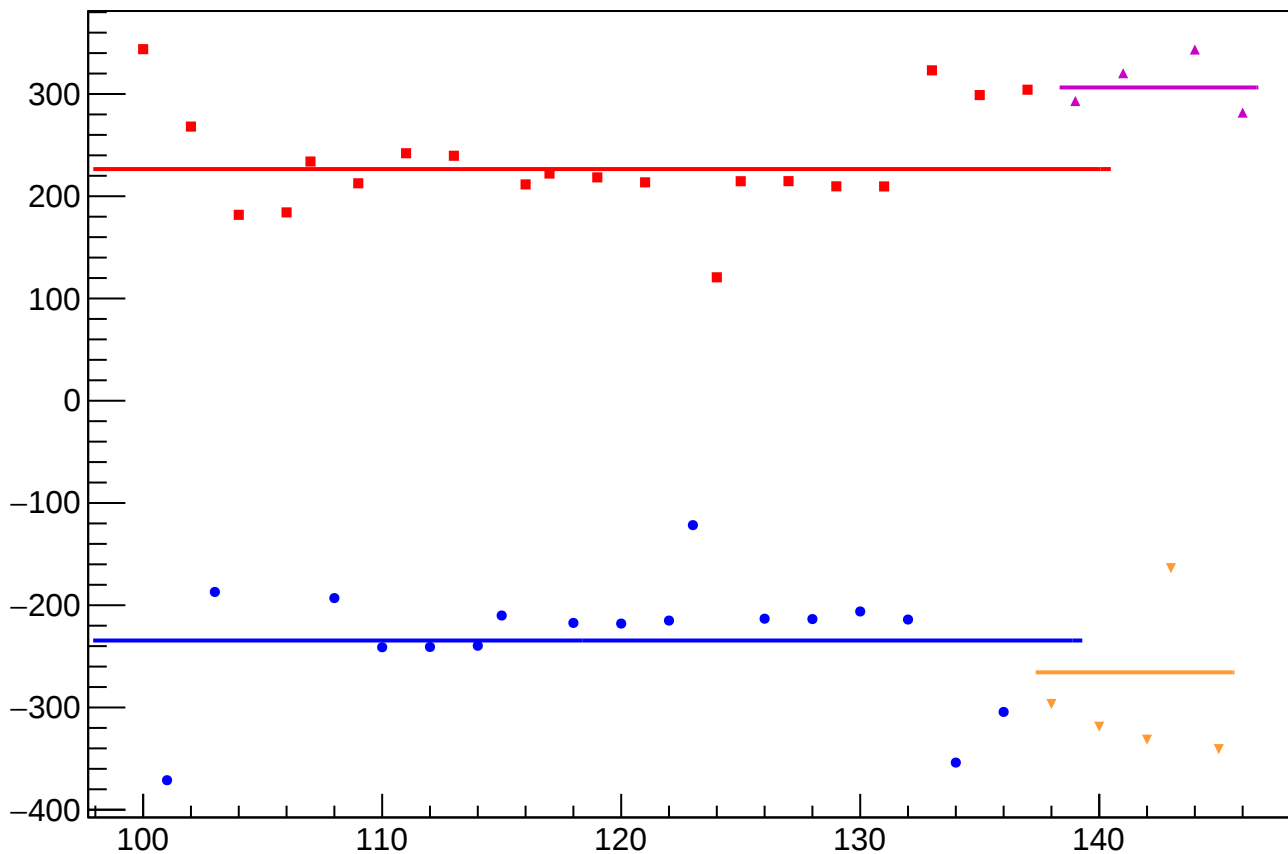
Left In: -140.457 ± 4.177 χ^2/NDF : 71.0/3

148.164 ± 2.200 χ^2/NDF : 791.6/21

7.014 ± 1.561 χ^2/NDF : 9737.6/45

-136.030 ± 2.215 χ^2/NDF : 657.6/23

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501 $\pm$ 0.149 χ^2 /NDF: 145046.5/16

Left Out: -265.625 $\pm$ 0.179 χ^2 /NDF:177440.5/4

Right Out: 226.572 $\pm$ 0.141 χ^2 /NDF: 98970.7/19

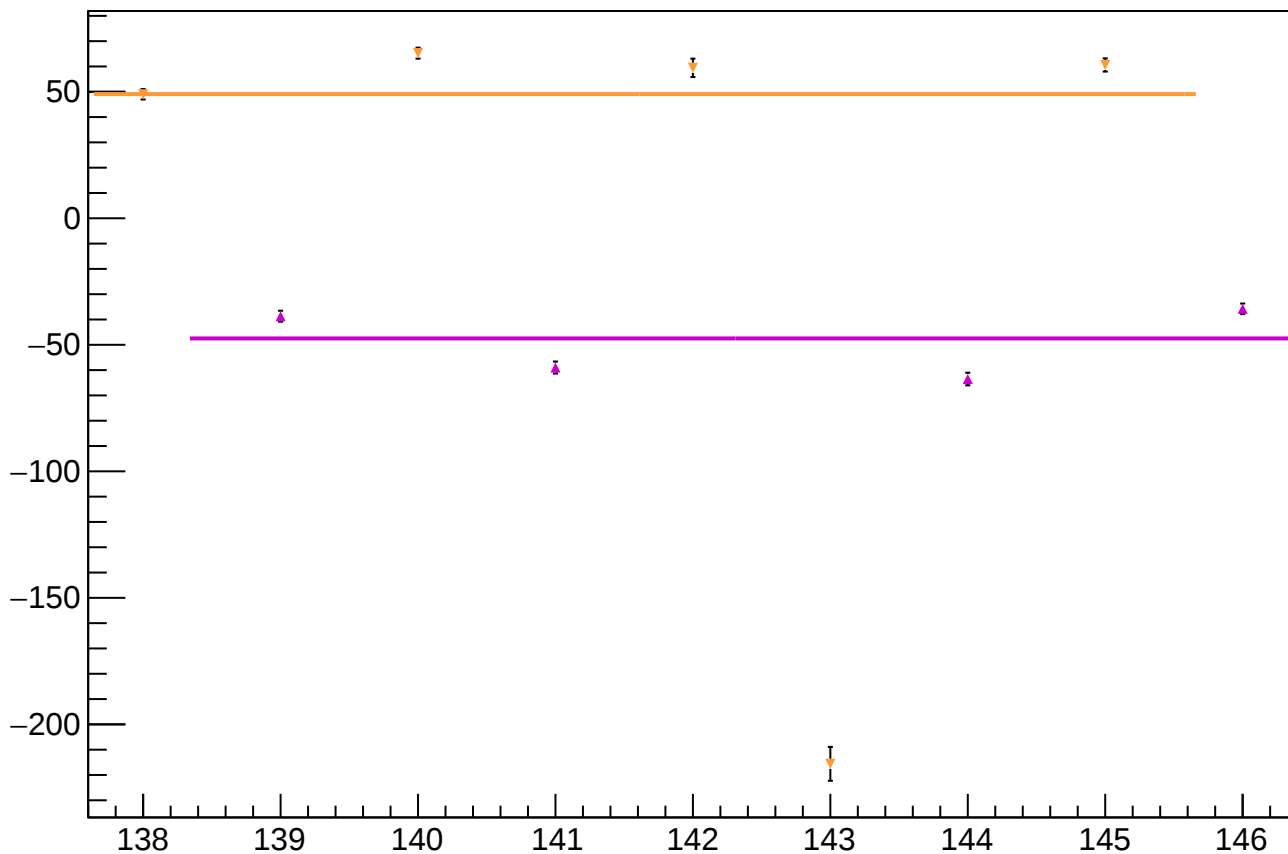
Left In: 306.379 $\pm$ 0.203 χ^2 /NDF:13098.3/3

-247.208 $\pm$ 0.115 χ^2 /NDF: 340294.5/21

-0.244 $\pm$ 0.082 χ^2 /NDF: 9948218.5/45

252.578 $\pm$ 0.116 χ^2 /NDF: 216062.7/23

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 49.081+/-1.204 χ^2/NDF :1643.6/4

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

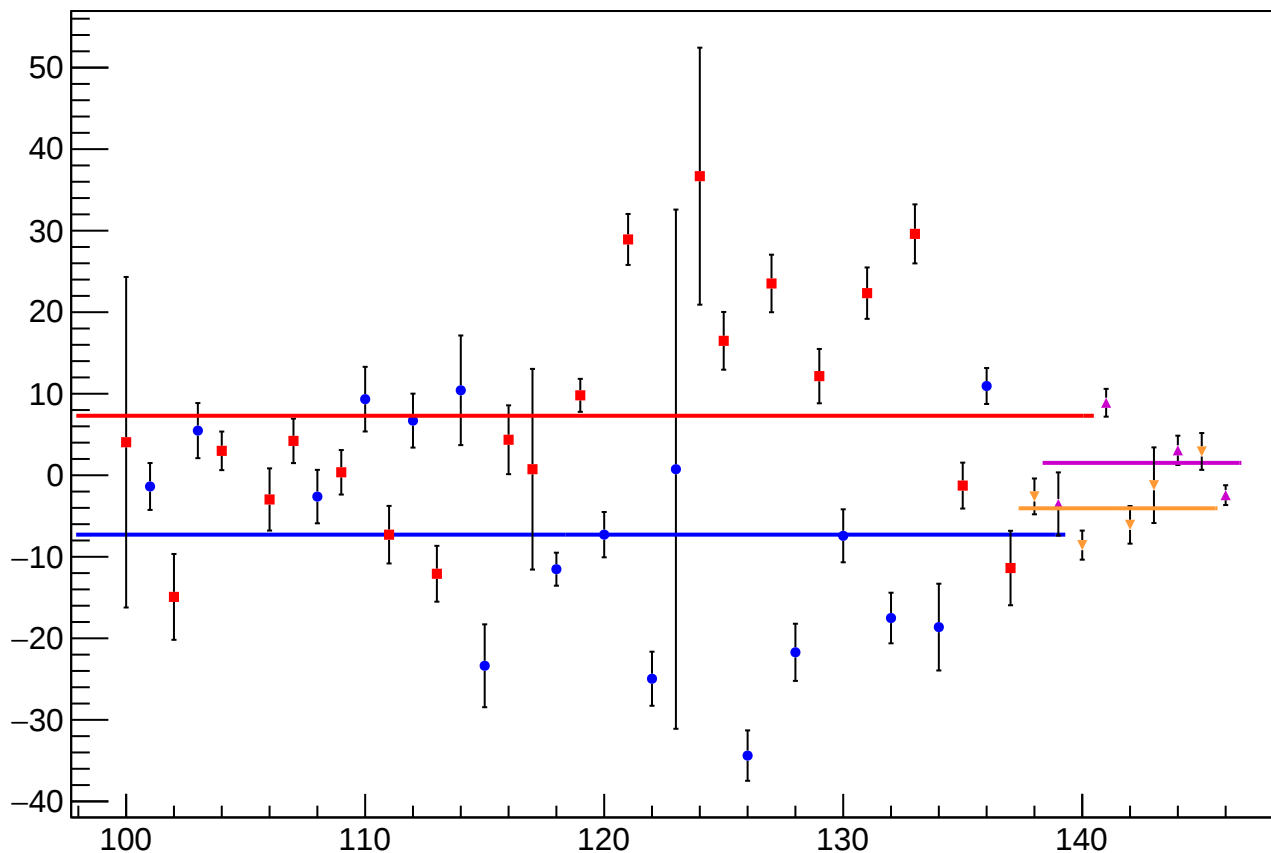
Left In: -47.481+/-1.134 χ^2/NDF :112.0/3

49.081+/-1.204 χ^2/NDF : 1643.6/4

-2.095+/-0.825 χ^2/NDF : 5165.8/8

-47.481+/-1.134 χ^2/NDF : 112.0/3

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -4.053 ± 1.025 χ^2/NDF : 17.5/4

Right Out: 7.298 ± 0.759 χ^2/NDF : 255.6/19

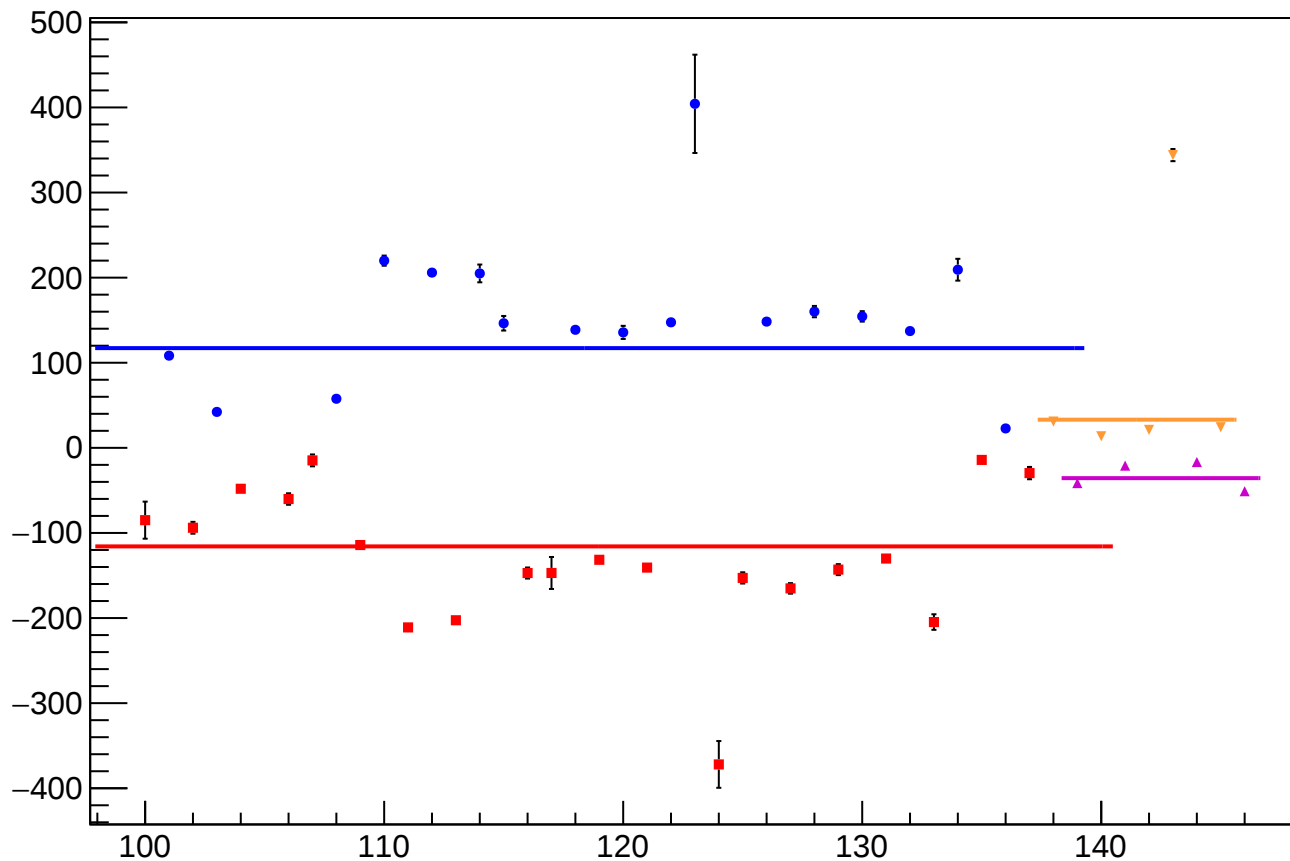
Left In: 1.520 ± 0.846 χ^2/NDF : 31.7/3

-6.082 ± 0.625 χ^2/NDF : 307.0/21

-0.139 ± 0.419 χ^2/NDF : 784.5/45

4.720 ± 0.565 χ^2/NDF : 313.1/23

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 $\pm$ 1.416 χ^2/NDF : 2161.0/16

Left Out: 33.094 $\pm$ 1.284 χ^2/NDF :1982.3/4

Right Out: -115.795 $\pm$ 1.357 χ^2/NDF : 2140.4/19

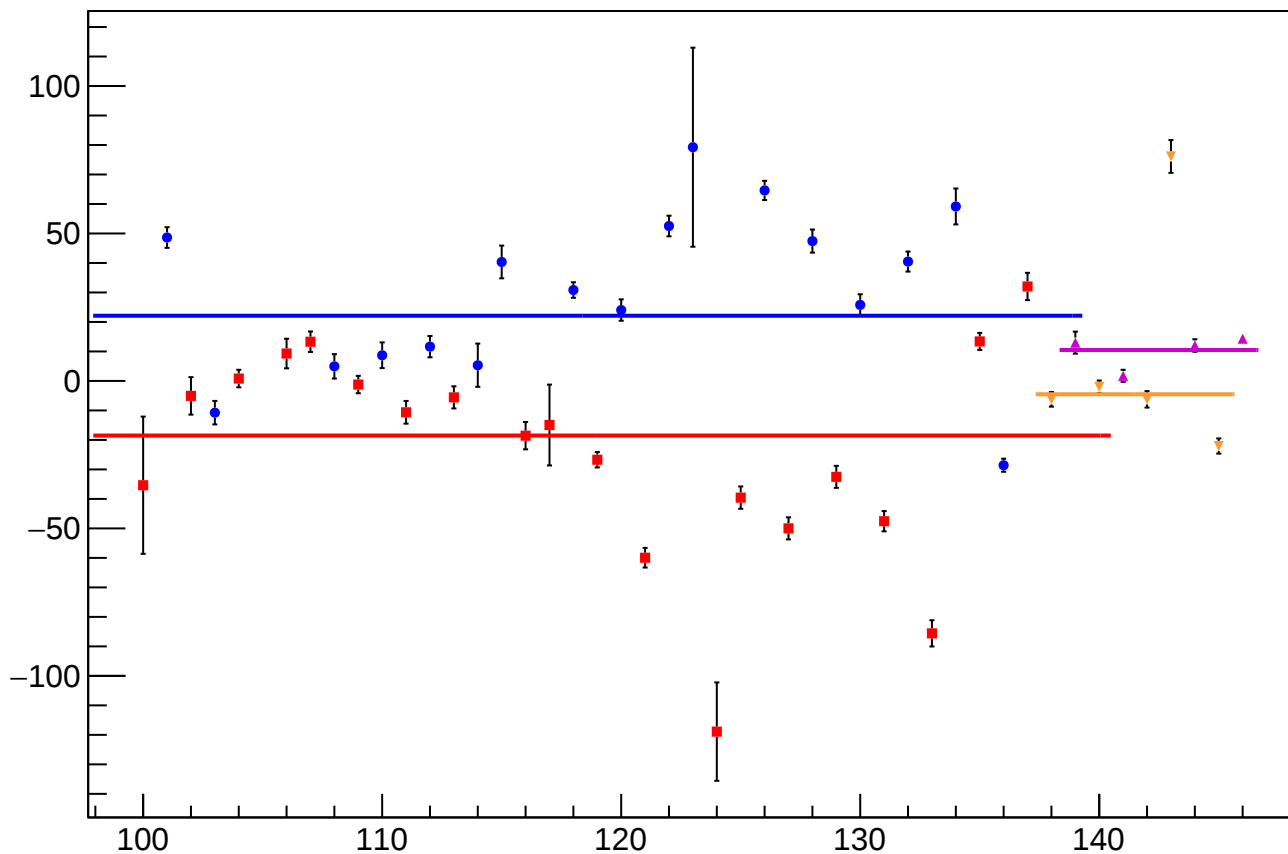
Left In: -35.610 $\pm$ 1.172 χ^2/NDF :149.1/3

71.039 $\pm$ 0.951 χ^2/NDF : 6077.8/21

-4.323 $\pm$ 0.649 χ^2/NDF : 22097.2/45

-69.869 $\pm$ 0.887 χ^2/NDF : 4288.0/23

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 ± 0.898 χ^2/NDF : 1070.3/16

Left Out: -4.509 ± 1.202 χ^2/NDF : 258.8/4

Right Out: -18.506 ± 0.869 χ^2/NDF : 1068.6/19

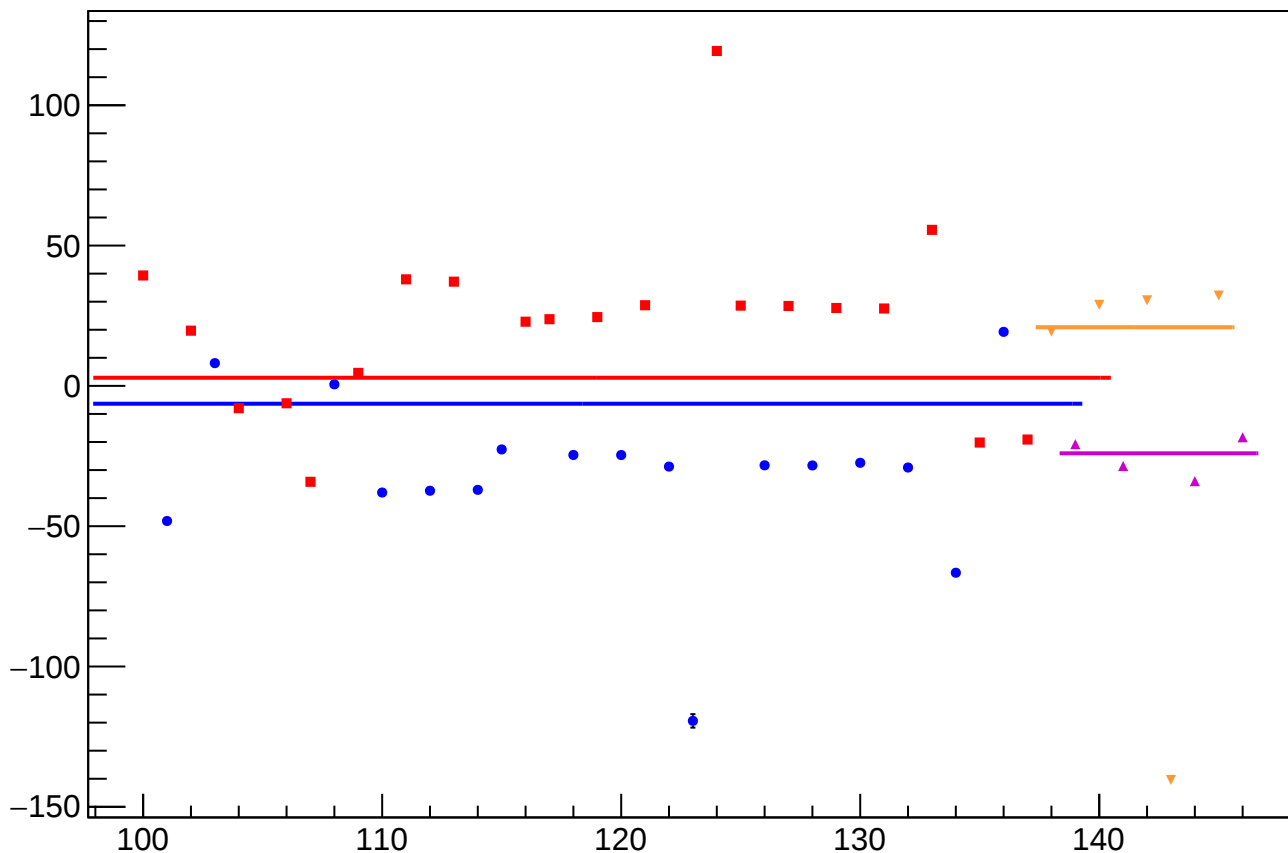
Left In: 10.495 ± 1.029 χ^2/NDF : 25.3/3

12.572 ± 0.719 χ^2/NDF : 1643.8/21

2.312 ± 0.488 χ^2/NDF : 3577.7/45

-6.431 ± 0.664 χ^2/NDF : 1557.3/23

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 20.903 ± 0.052 $\chi^2/\text{NDF}: 337664.8/4$

Right Out: 2.896 ± 0.046 $\chi^2/\text{NDF}: 266162.6/19$

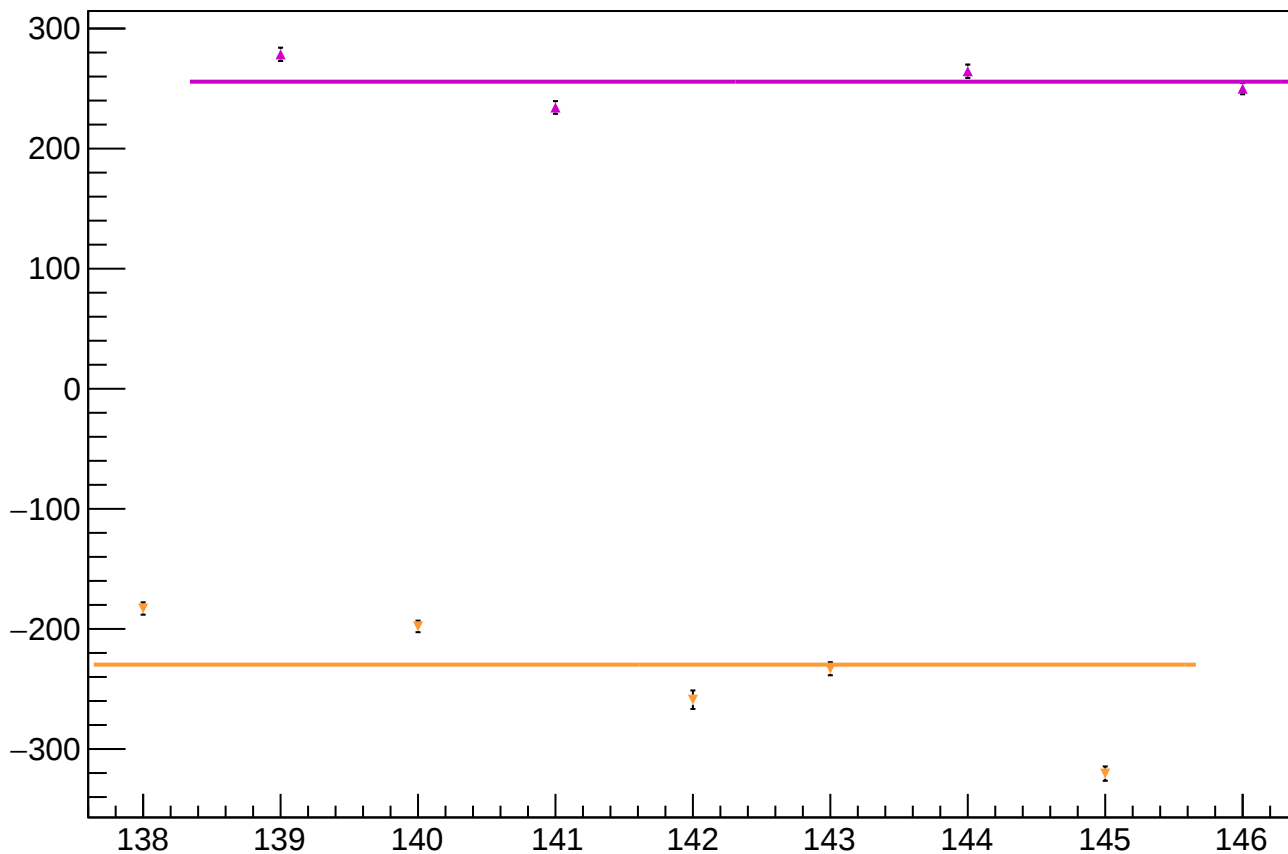
Left In: -24.027 ± 0.048 $\chi^2/\text{NDF}: 14515.5/3$

5.707 ± 0.035 $\chi^2/\text{NDF}: 755794.9/21$

-2.444 ± 0.024 $\chi^2/\text{NDF}: 1308085.0/45$

-9.906 ± 0.033 $\chi^2/\text{NDF}: 445847.8/23$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -229.732+/-2.508 χ^2/NDF : 370.1/4

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

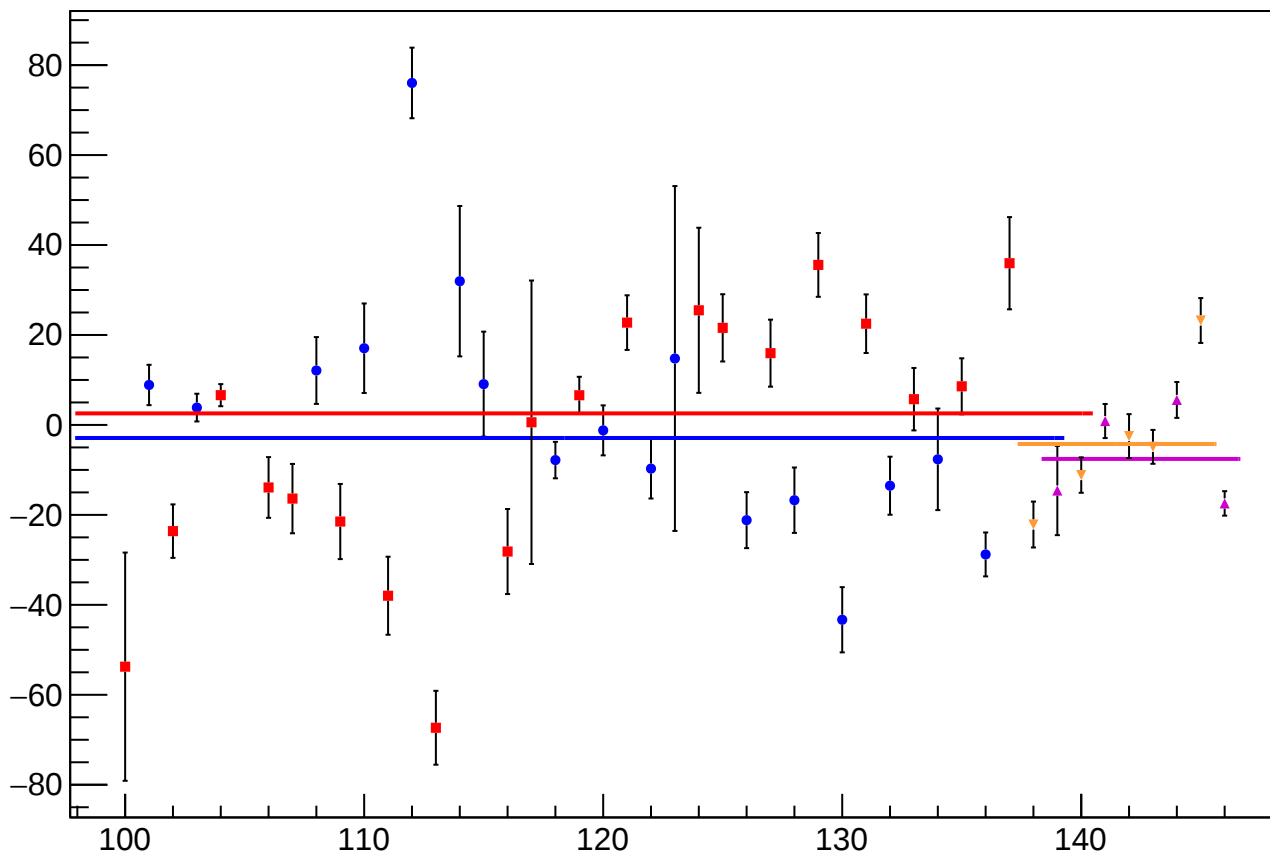
Left In: 255.733+/-2.630 χ^2/NDF : 37.1/3

-229.732+/-2.508 χ^2/NDF : 370.1/4

1.434+/-1.815 χ^2/NDF : 18255.4/8

255.733+/-2.630 χ^2/NDF : 37.1/3

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: -4.237 ± 1.978 χ^2/NDF : 45.8/4

Right Out: 2.566 ± 1.395 χ^2/NDF : 218.2/19

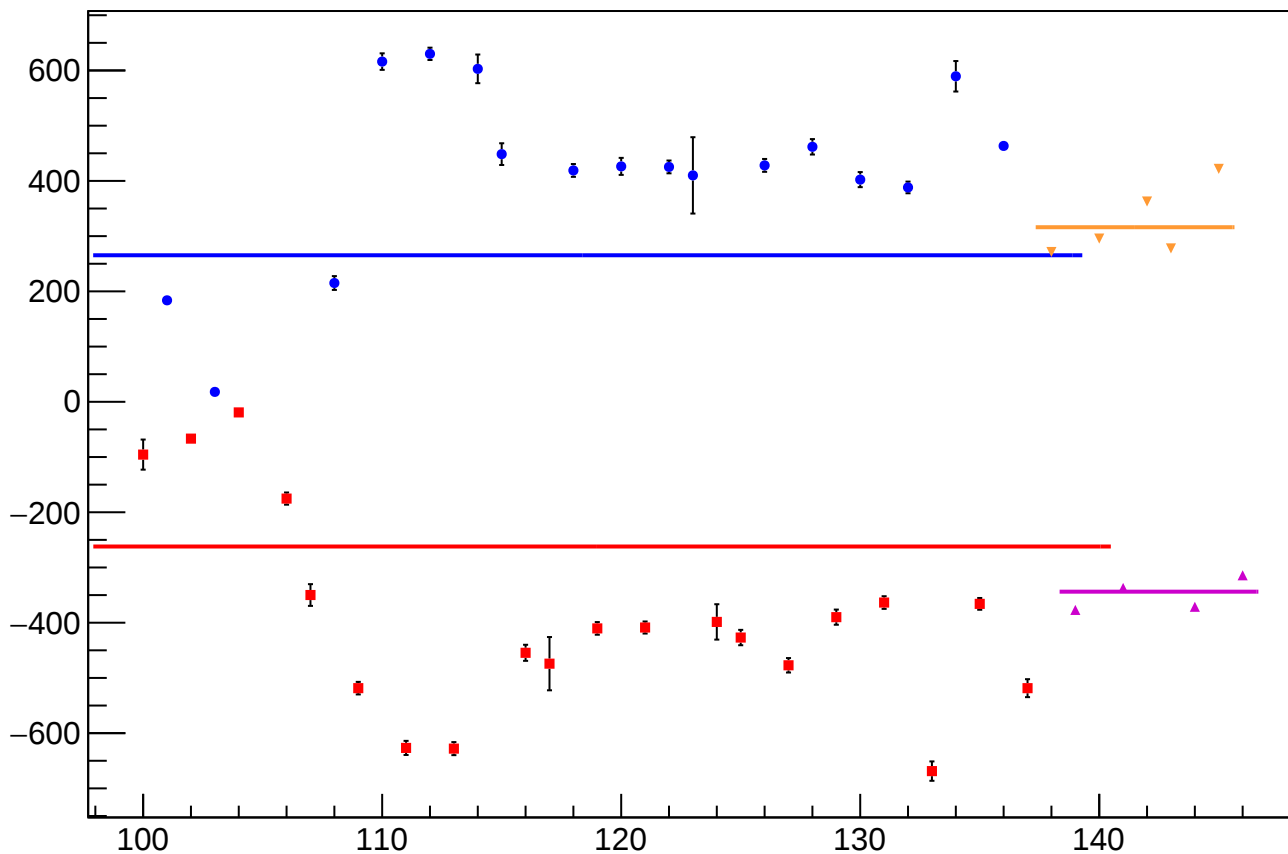
Left In: -7.556 ± 1.898 χ^2/NDF : 29.5/3

-3.375 ± 1.178 χ^2/NDF : 249.7/21

-2.124 ± 0.813 χ^2/NDF : 518.0/45

-0.985 ± 1.124 χ^2/NDF : 266.1/23

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 $\pm$ 2.488 χ^2/NDF : 7633.8/16

Left Out: 316.135 $\pm$ 2.677 χ^2/NDF : 437.7/4

Right Out: -262.016 $\pm$ 2.455 χ^2/NDF : 8223.7/19

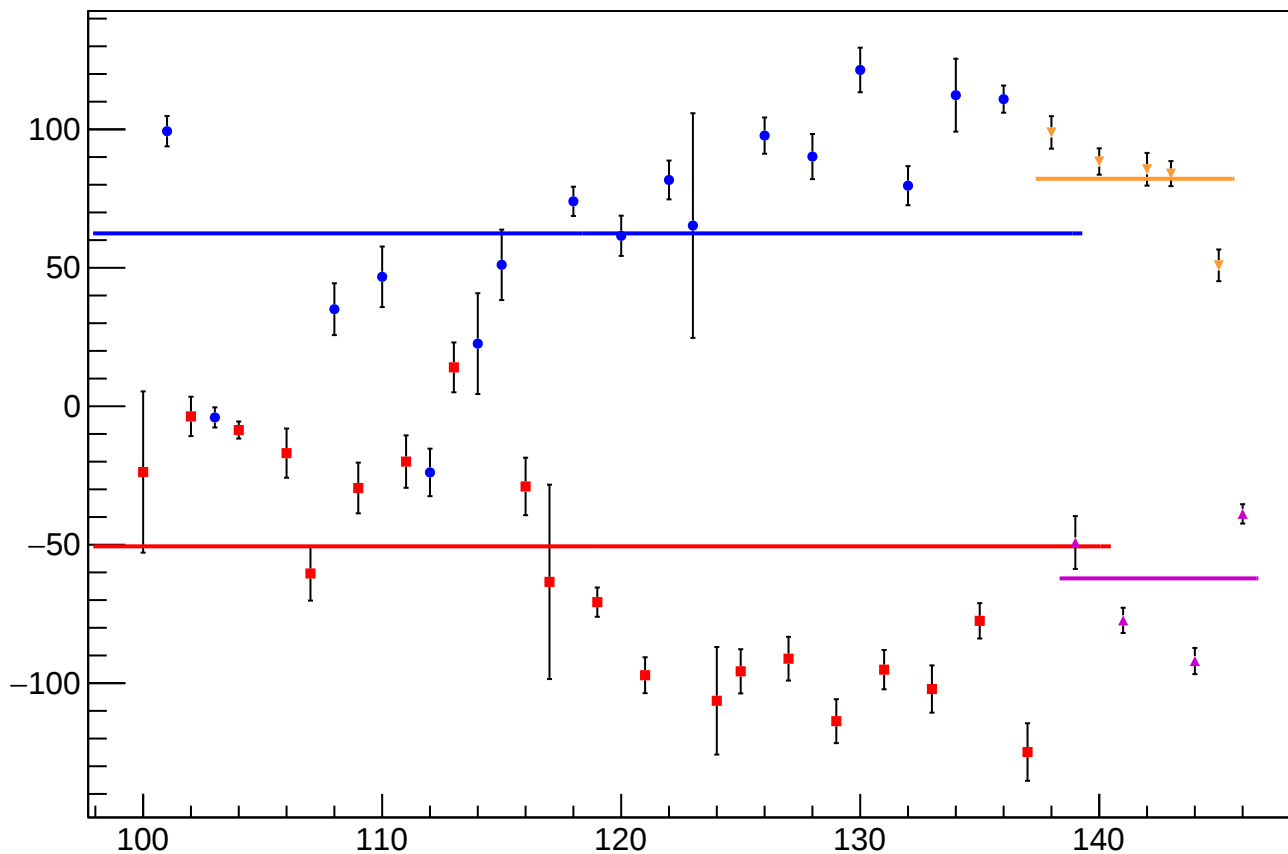
Left In: -343.801 $\pm$ 2.711 χ^2/NDF : 95.7/3

288.893 $\pm$ 1.823 χ^2/NDF : 8264.4/21

-5.440 $\pm$ 1.288 χ^2/NDF : 69160.6/45

-298.854 $\pm$ 1.820 χ^2/NDF : 8819.4/23

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434 $\pm$ 1.694 χ^2/NDF : 721.8/16

Left Out: 82.152 $\pm$ 2.349 χ^2/NDF :40.1/4

Right Out: -50.588 $\pm$ 1.640 χ^2/NDF : 657.5/19

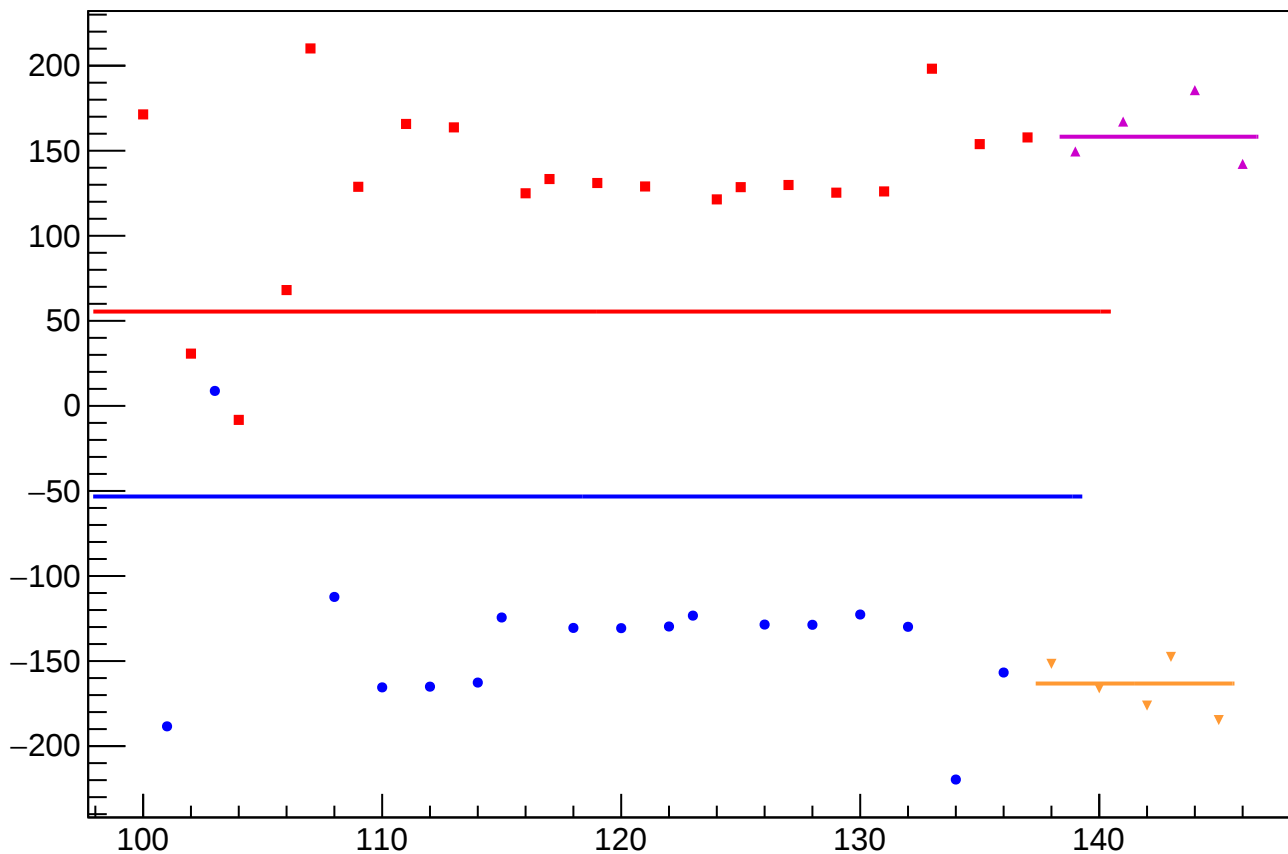
Left In: -62.161 $\pm$ 2.320 χ^2/NDF :97.2/3

69.179 $\pm$ 1.374 χ^2/NDF : 808.2/21

5.797 $\pm$ 0.959 χ^2/NDF : 5731.1/45

-54.444 $\pm$ 1.339 χ^2/NDF : 771.3/23

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -163.209 $\pm$ 0.109 χ^2 /NDF: 16360.6/4

Right Out: 55.455 $\pm$ 0.072 χ^2 /NDF: 968274.5/19

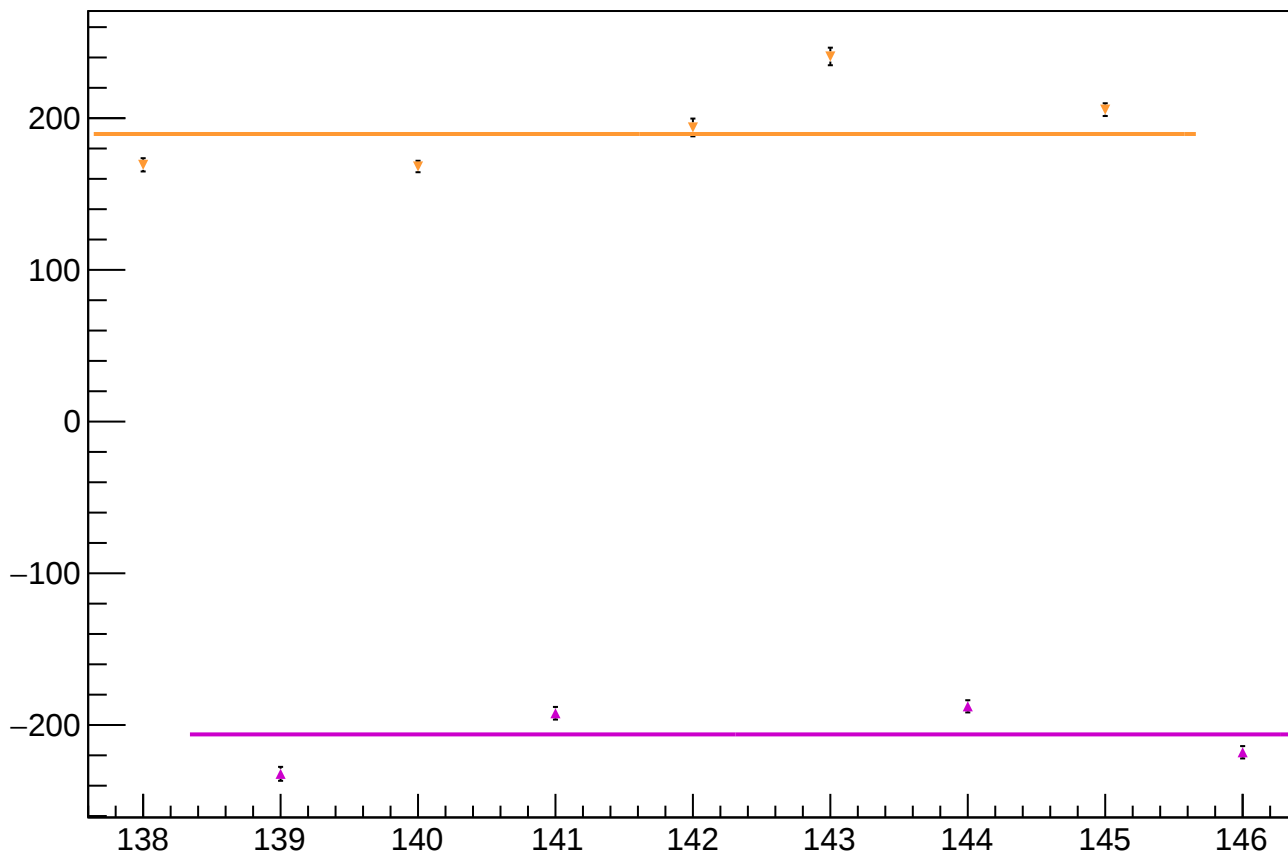
Left In: 158.242 $\pm$ 0.112 χ^2 /NDF: 20015.1/3

-85.534 $\pm$ 0.059 χ^2 /NDF: 1957479.9/21

-2.062 $\pm$ 0.042 χ^2 /NDF: 7611981.2/45

85.343 $\pm$ 0.061 χ^2 /NDF: 1582334.1/23

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 189.571+/-2.051 χ^2/NDF : 146.7/4

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

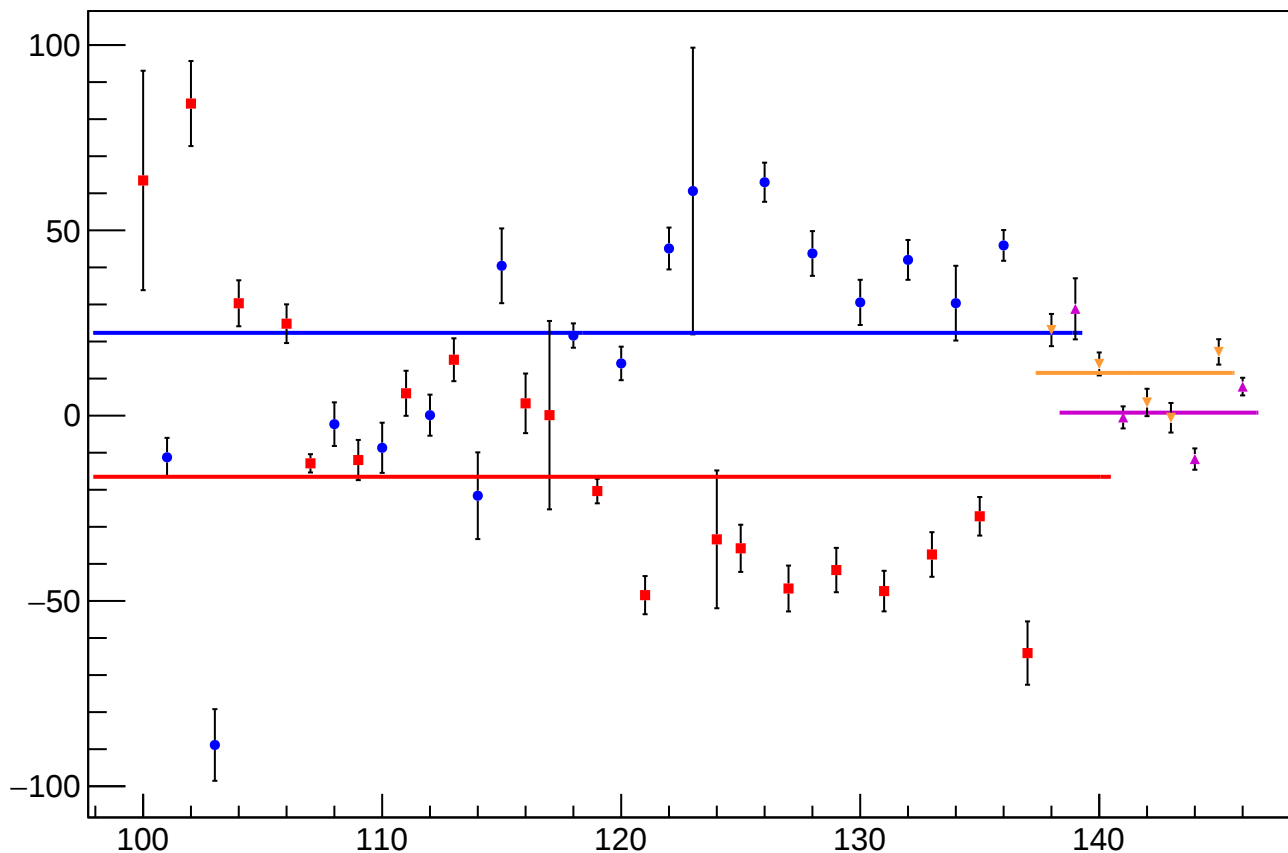
Left In: -206.197+/-2.101 χ^2/NDF : 72.6/3

189.571+/-2.051 χ^2/NDF : 146.7/4

-3.553+/-1.467 χ^2/NDF : 18393.2/8

-206.197+/-2.101 χ^2/NDF : 72.6/3

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 ± 1.395 $\chi^2/\text{NDF}: 385.8/16$

Left Out: 11.536 ± 1.627 $\chi^2/\text{NDF}: 24.3/4$

Right Out: -16.498 ± 1.226 $\chi^2/\text{NDF}: 427.0/19$

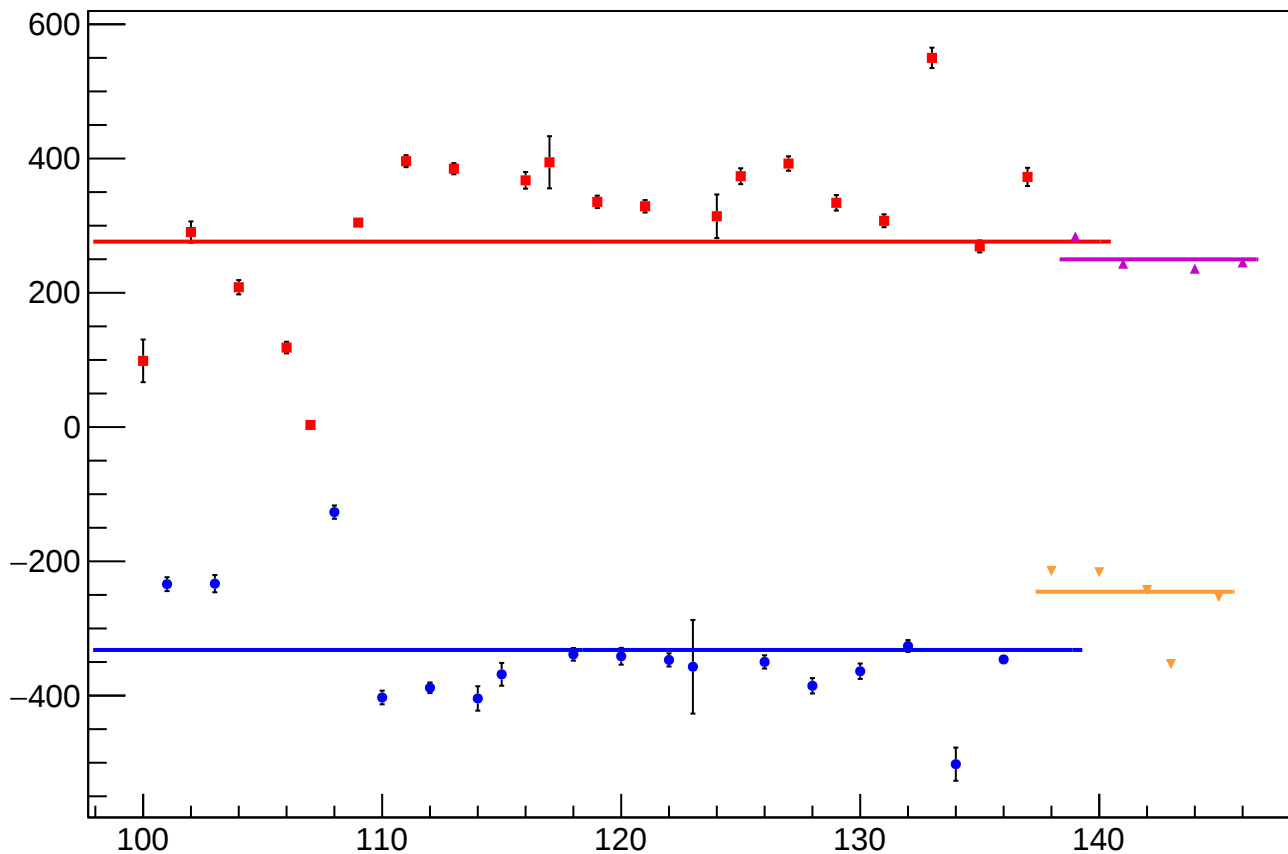
Left In: 0.804 ± 1.534 $\chi^2/\text{NDF}: 39.4/3$

17.761 ± 1.059 $\chi^2/\text{NDF}: 435.5/21$

2.624 ± 0.710 $\chi^2/\text{NDF}: 1351.0/45$

-9.754 ± 0.958 $\chi^2/\text{NDF}: 544.1/23$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -245.265+/-2.192 χ^2/NDF : 402.1/4

Right Out: 276.265+/-2.320 χ^2/NDF : 3371.5/19

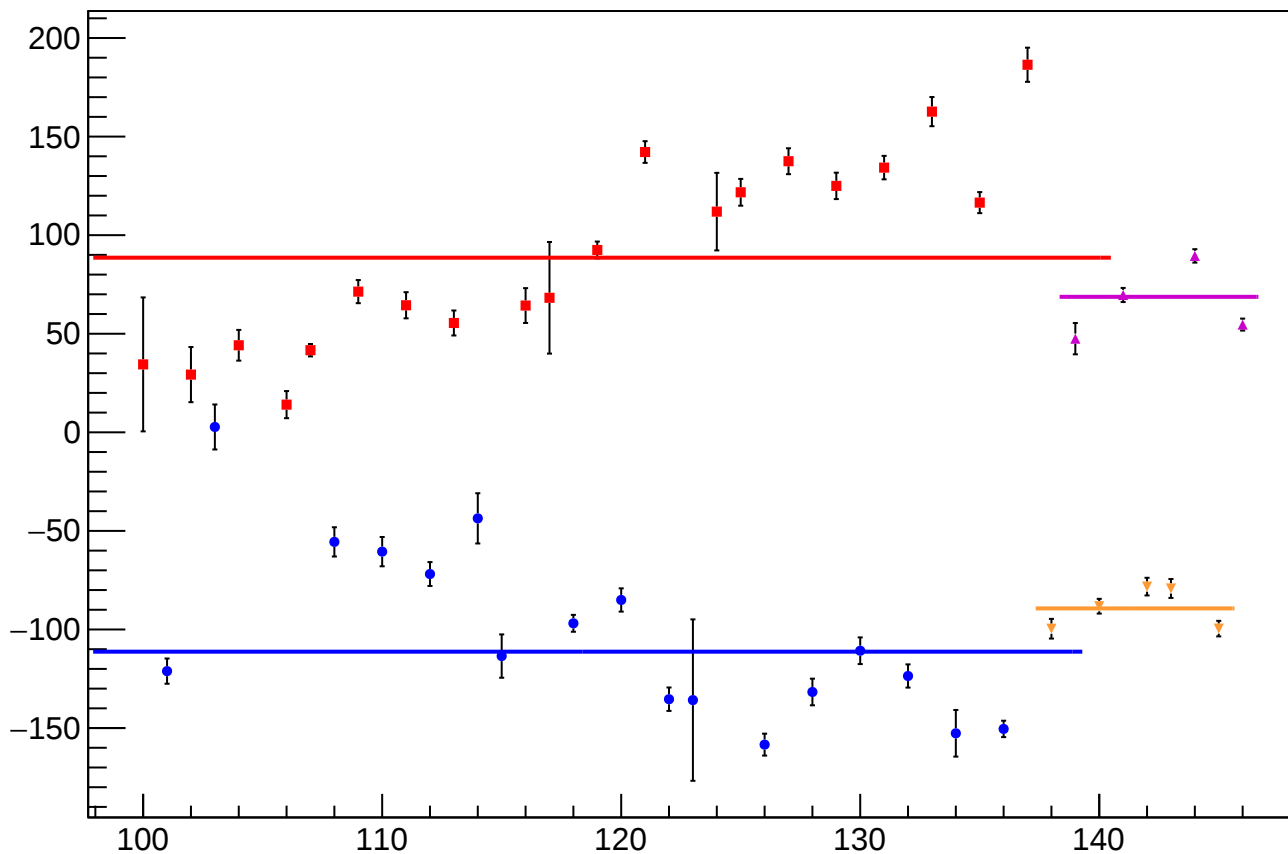
Left In: 249.846+/-2.178 χ^2/NDF : 60.6/3

-281.612+/-1.670 χ^2/NDF : 1843.3/21

4.056+/-1.151 χ^2/NDF : 61022.1/45

262.218+/-1.588 χ^2/NDF : 3501.0/23

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -89.311 ± 1.927 χ^2/NDF : 21.6/4

Right Out: 88.581 ± 1.431 χ^2/NDF : 971.5/19

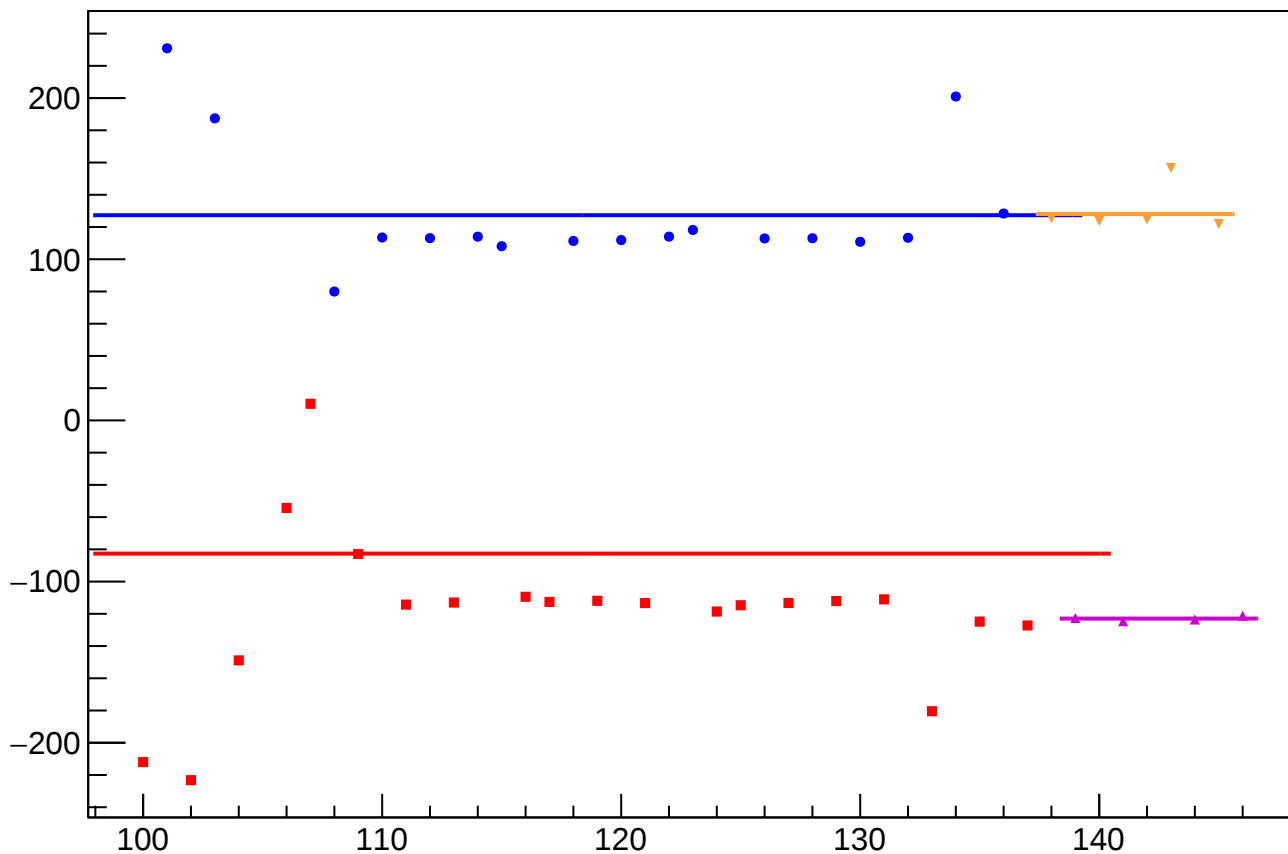
Left In: 68.722 ± 1.864 χ^2/NDF : 65.7/3

-102.321 ± 1.230 χ^2/NDF : 608.1/21

-3.217 ± 0.834 χ^2/NDF : 13743.6/45

81.213 ± 1.135 χ^2/NDF : 1108.6/23

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 128.024+/-0.089 χ^2/NDF : 15449.5/4

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

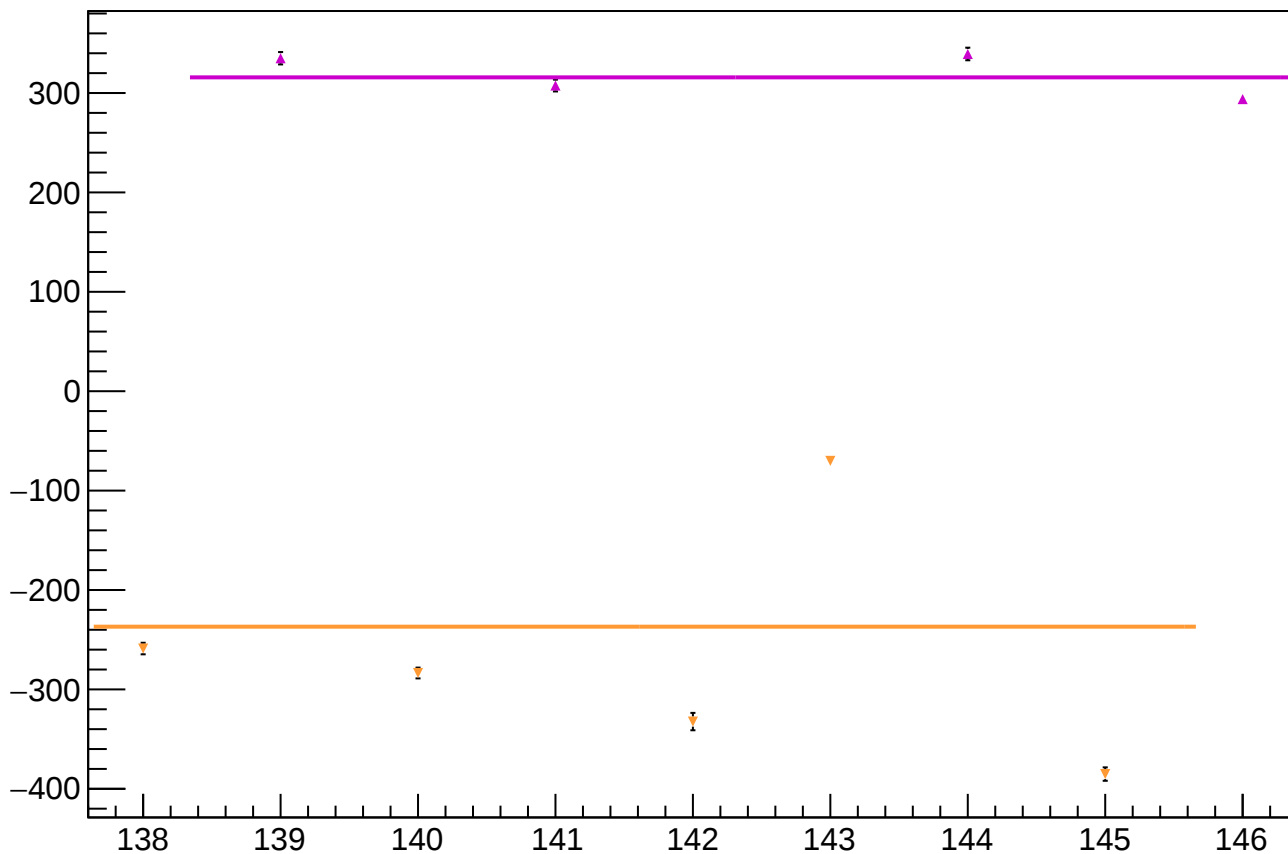
Left In: -122.957+/-0.090 χ^2/NDF : 196.6/3

127.674+/-0.063 χ^2/NDF : 203256.7/21

4.158+/-0.043 χ^2/NDF : 8097949.4/45

-99.190+/-0.058 χ^2/NDF : 883070.9/23

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -236.898+/-2.686 χ^2/NDF : 1808.2/4

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

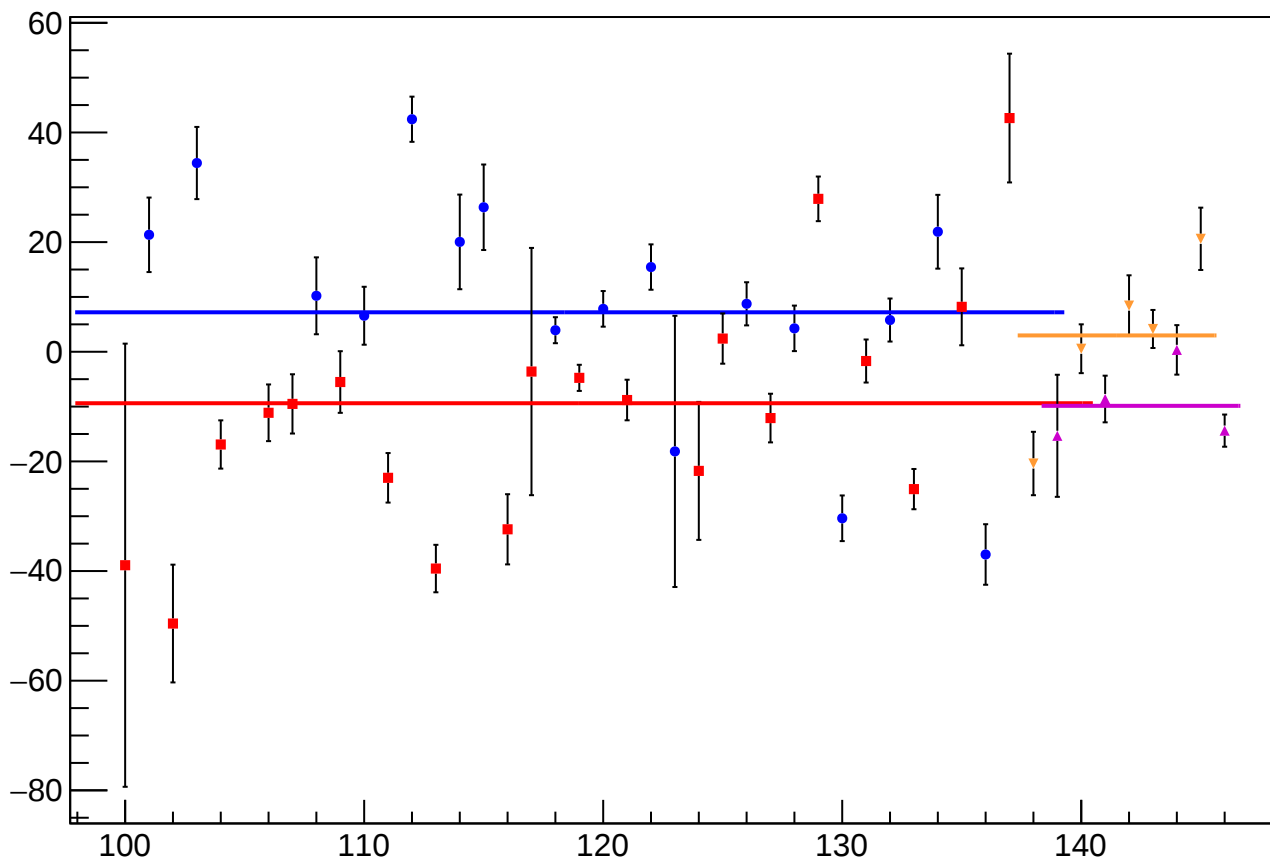
Left In: 315.745+/-2.917 χ^2/NDF : 43.8/3

-236.898+/-2.686 χ^2/NDF : 1808.2/4

16.707+/-1.976 χ^2/NDF : 21273.4/8

315.745+/-2.917 χ^2/NDF : 43.8/3

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 2.979 ± 2.099 χ^2/NDF : 27.3/4

Right Out: -9.390 ± 1.070 χ^2/NDF : 232.2/19

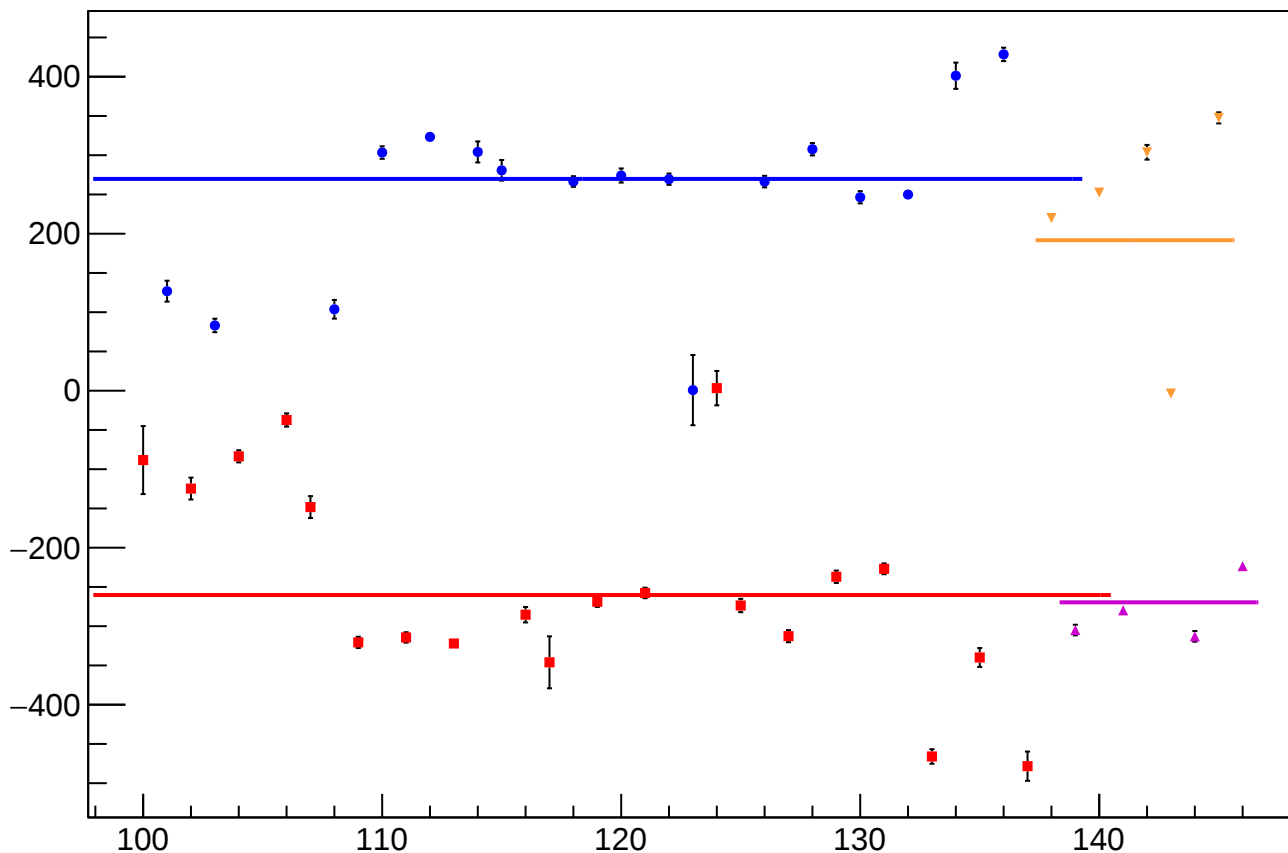
Left In: -9.863 ± 2.093 χ^2/NDF : 7.8/3

6.286 ± 0.976 χ^2/NDF : 291.4/21

-1.795 ± 0.682 χ^2/NDF : 665.2/45

-9.488 ± 0.953 χ^2/NDF : 240.1/23

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 ± 2.089 χ^2/NDF : 1374.1/16

Left Out: 191.716 ± 2.867 χ^2/NDF : 2106.1/4

Right Out: -260.286 ± 1.973 χ^2/NDF : 2545.4/19

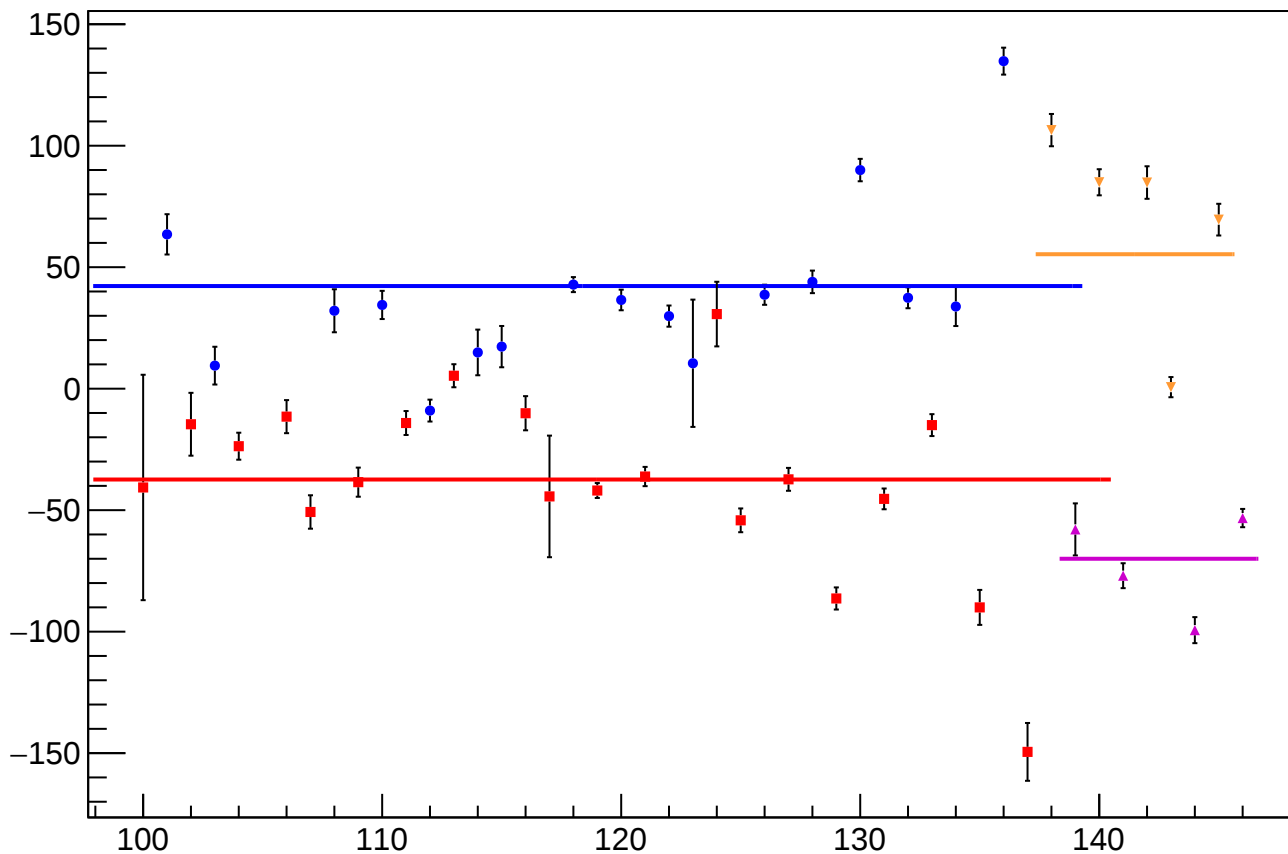
Left In: -269.604 ± 3.001 χ^2/NDF : 161.3/3

242.721 ± 1.688 χ^2/NDF : 3964.8/21

-16.189 ± 1.180 χ^2/NDF : 52619.4/45

-263.099 ± 1.649 χ^2/NDF : 2713.4/23

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 55.339 ± 2.491 $\chi^2/\text{NDF}: 287.3/4$

Right Out: -37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

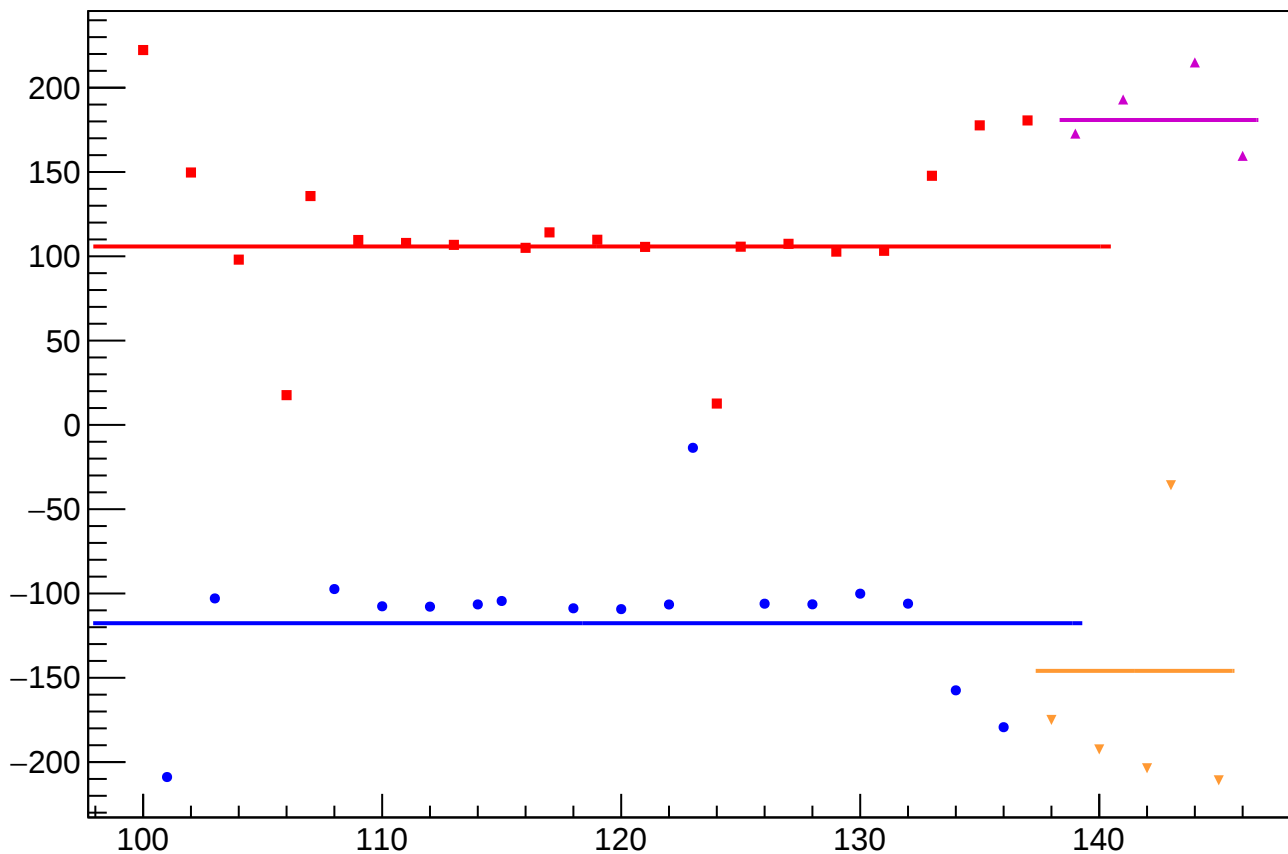
Left In: -70.000 ± 2.563 $\chi^2/\text{NDF}: 53.0/3$

44.955 ± 1.134 $\chi^2/\text{NDF}: 883.6/21$

-0.182 ± 0.794 $\chi^2/\text{NDF}: 4645.9/45$

-43.515 ± 1.111 $\chi^2/\text{NDF}: 656.9/23$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -145.892+/-0.117 χ^2/NDF : 392066.5/4

Right Out: 105.826+/-0.073 χ^2/NDF : 323138.4/19

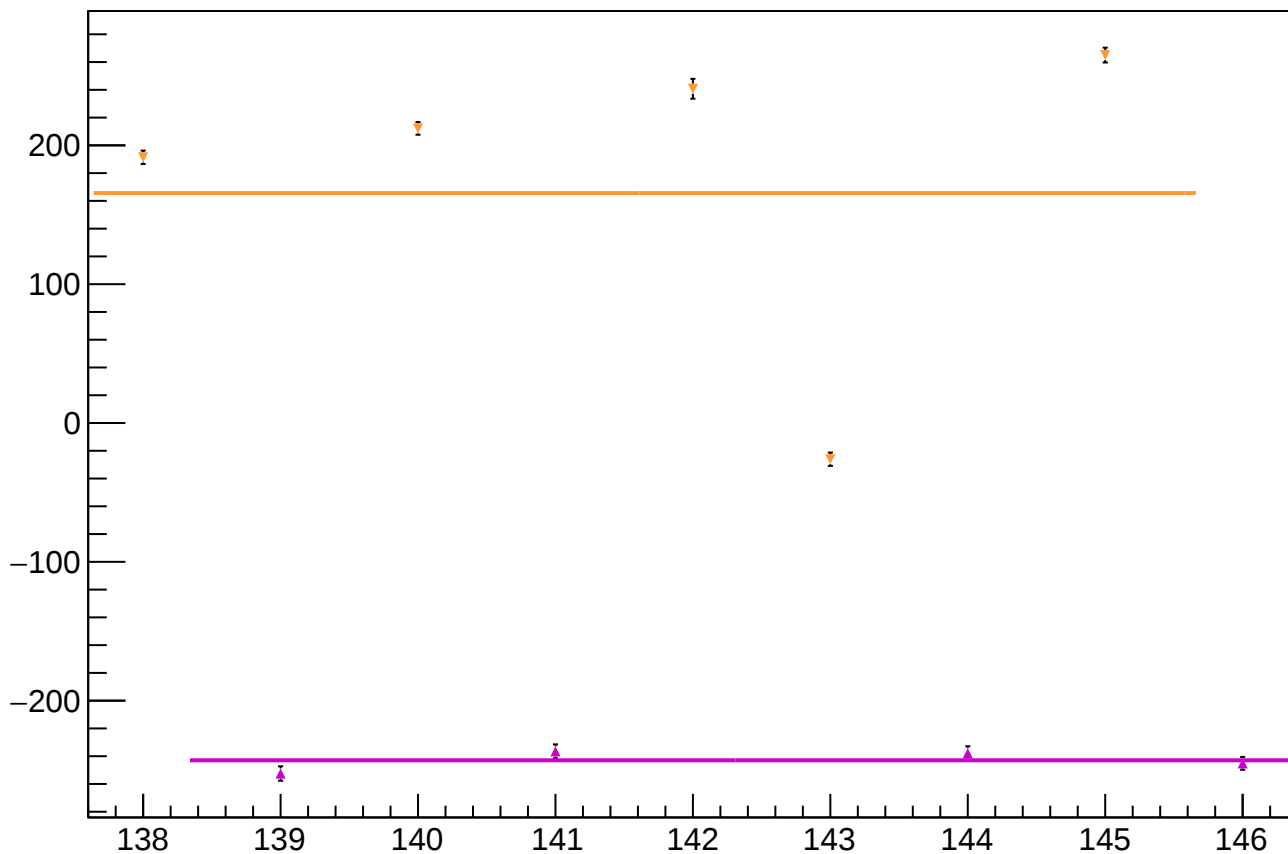
Left In: 180.849+/-0.125 χ^2/NDF : 25675.7/3

-126.436+/-0.065 χ^2/NDF : 574326.6/21

3.798+/-0.045 χ^2/NDF : 8904407.4/45

124.879+/-0.063 χ^2/NDF : 619038.6/23

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 165.628+/-2.305 χ^2/NDF : 2175.8/4

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

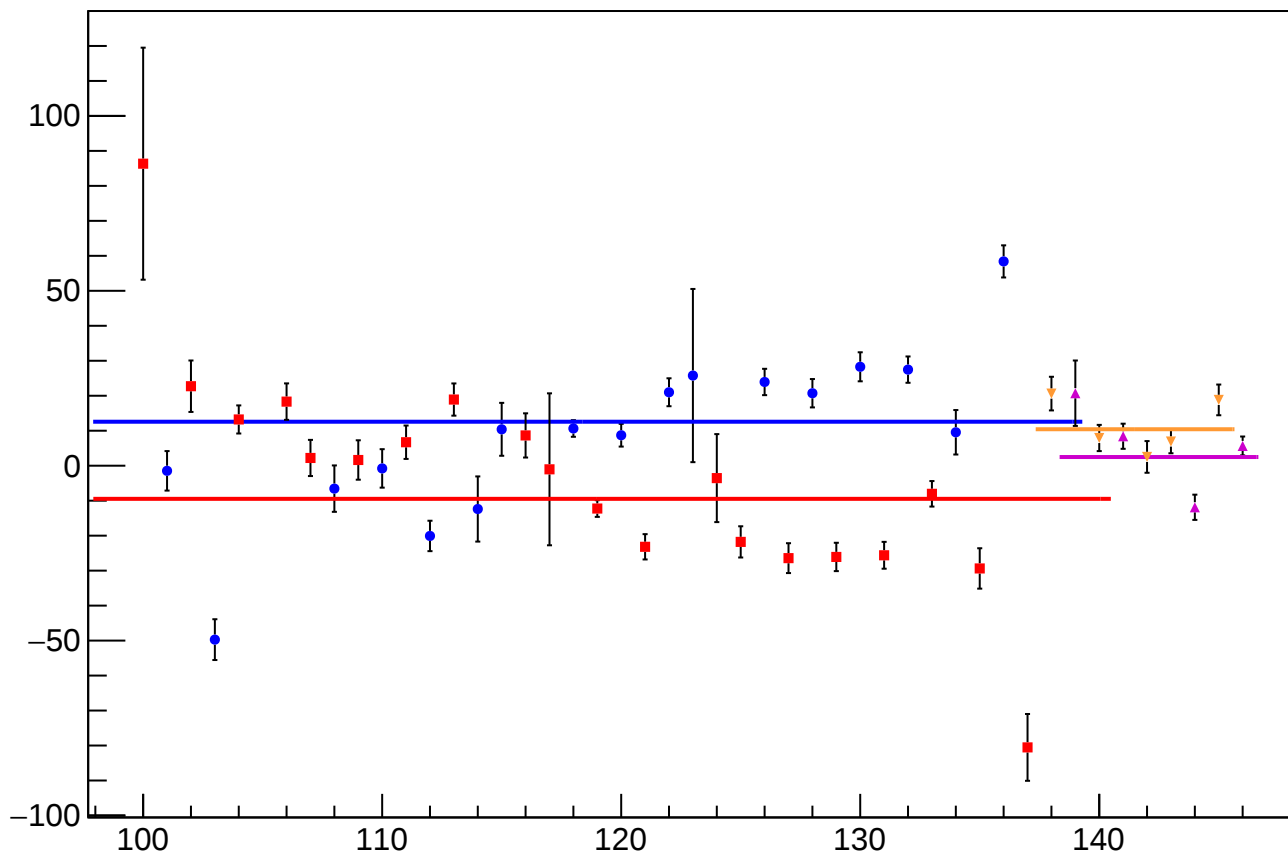
Left In: -242.950+/-2.486 χ^2/NDF : 6.2/3

165.628+/-2.305 χ^2/NDF : 2175.8/4

-23.238+/-1.690 χ^2/NDF : 16705.2/8

-242.950+/-2.486 χ^2/NDF : 6.2/3

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574+/-1.074 χ^2/NDF : 348.0/16

Left Out: 10.424+/-1.814 χ^2/NDF : 12.7/4

Right Out: -9.474+/-1.046 χ^2/NDF : 296.0/19

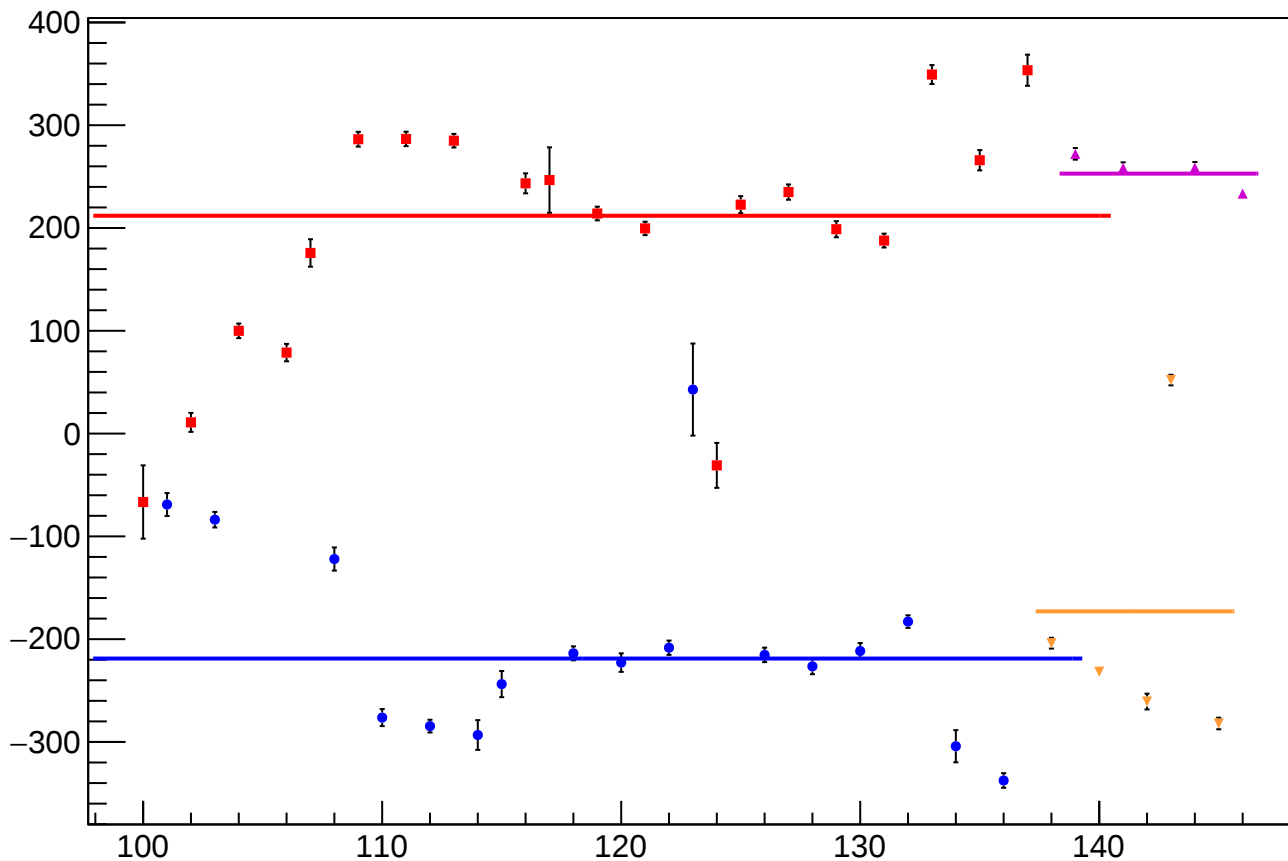
Left In: 2.481+/-1.816 χ^2/NDF : 23.8/3

12.016+/-0.924 χ^2/NDF : 361.8/21

2.582+/-0.647 χ^2/NDF : 918.5/45

-6.495+/-0.907 χ^2/NDF : 352.3/23

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855+/-2.023 χ^2/NDF : 1146.6/16

Left Out: -172.935+/-2.463 χ^2/NDF : 2604.0/4

Right Out: 211.907+/-1.920 χ^2/NDF : 1886.4/19

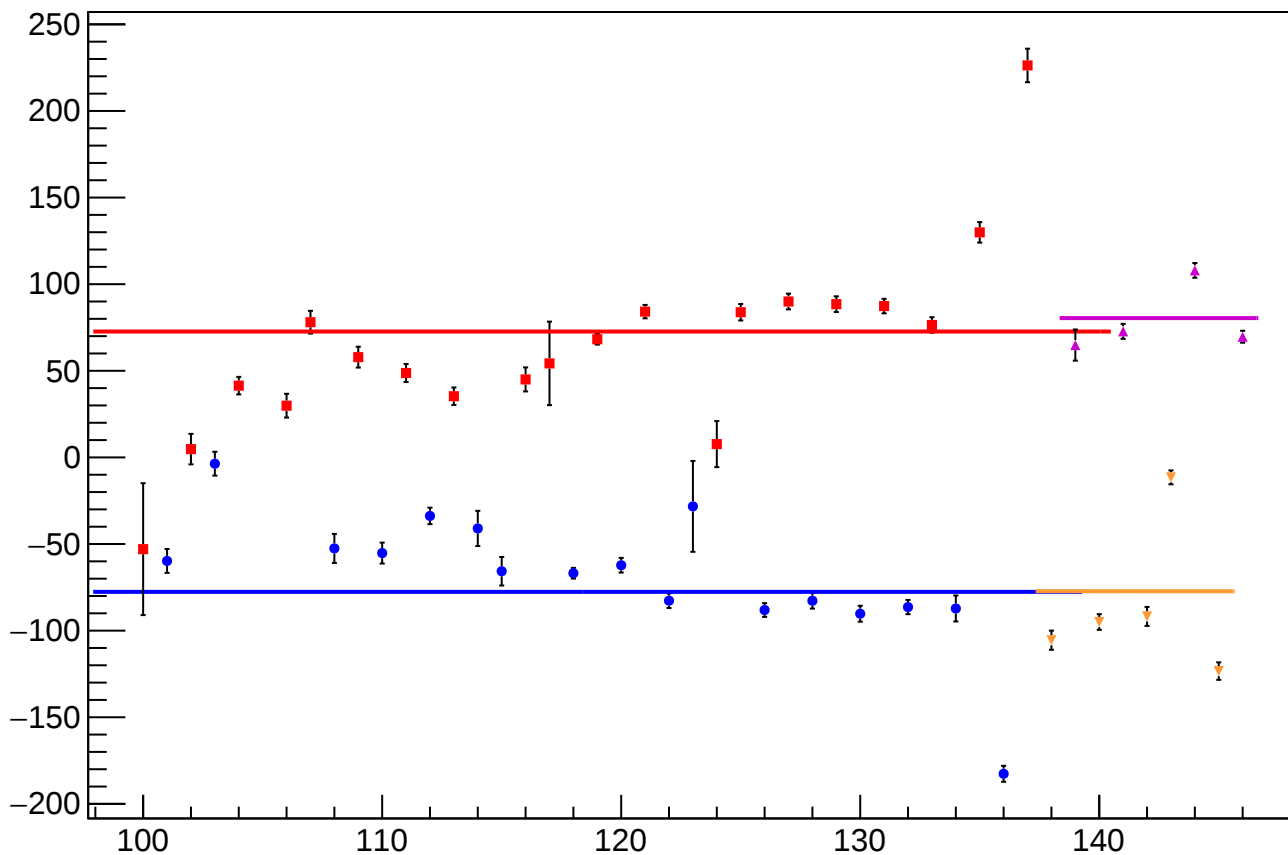
Left In: 252.912+/-2.571 χ^2/NDF : 33.1/3

-200.363+/-1.563 χ^2/NDF : 3958.2/21

16.498+/-1.096 χ^2/NDF : 43935.8/45

226.591+/-1.539 χ^2/NDF : 2082.7/23

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -77.240 ± 2.150 χ^2/NDF : 400.7/4

Right Out: 72.664 ± 1.205 χ^2/NDF : 672.0/19

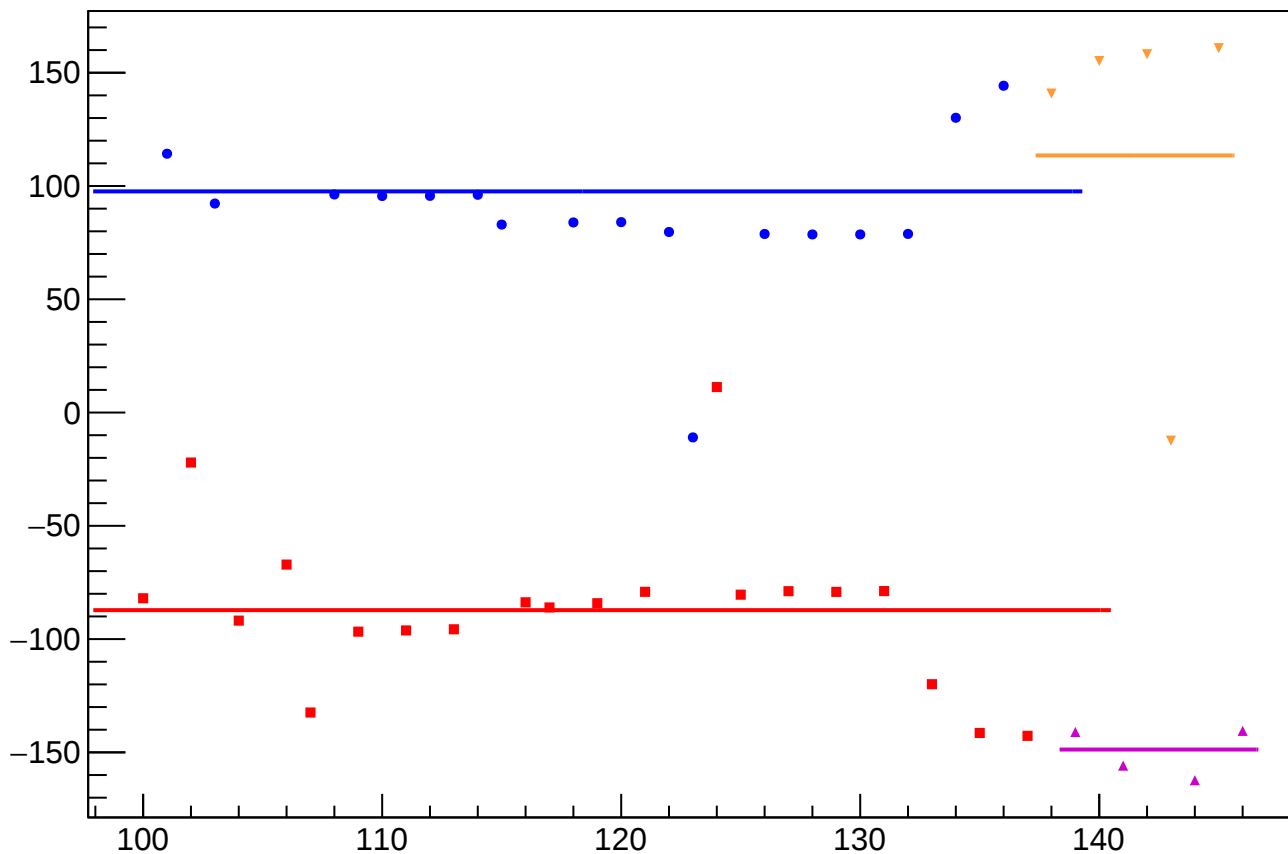
Left In: 80.426 ± 2.211 χ^2/NDF : 57.3/3

-77.520 ± 1.072 χ^2/NDF : 1216.6/21

-0.539 ± 0.753 χ^2/NDF : 12136.4/45

74.440 ± 1.058 χ^2/NDF : 738.8/23

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620+/-0.074 χ^2/NDF : 94045.2/16

Left Out: 113.484+/-0.100 χ^2/NDF : 497171.5/4

Right Out: -87.224+/-0.068 χ^2/NDF : 220851.2/19

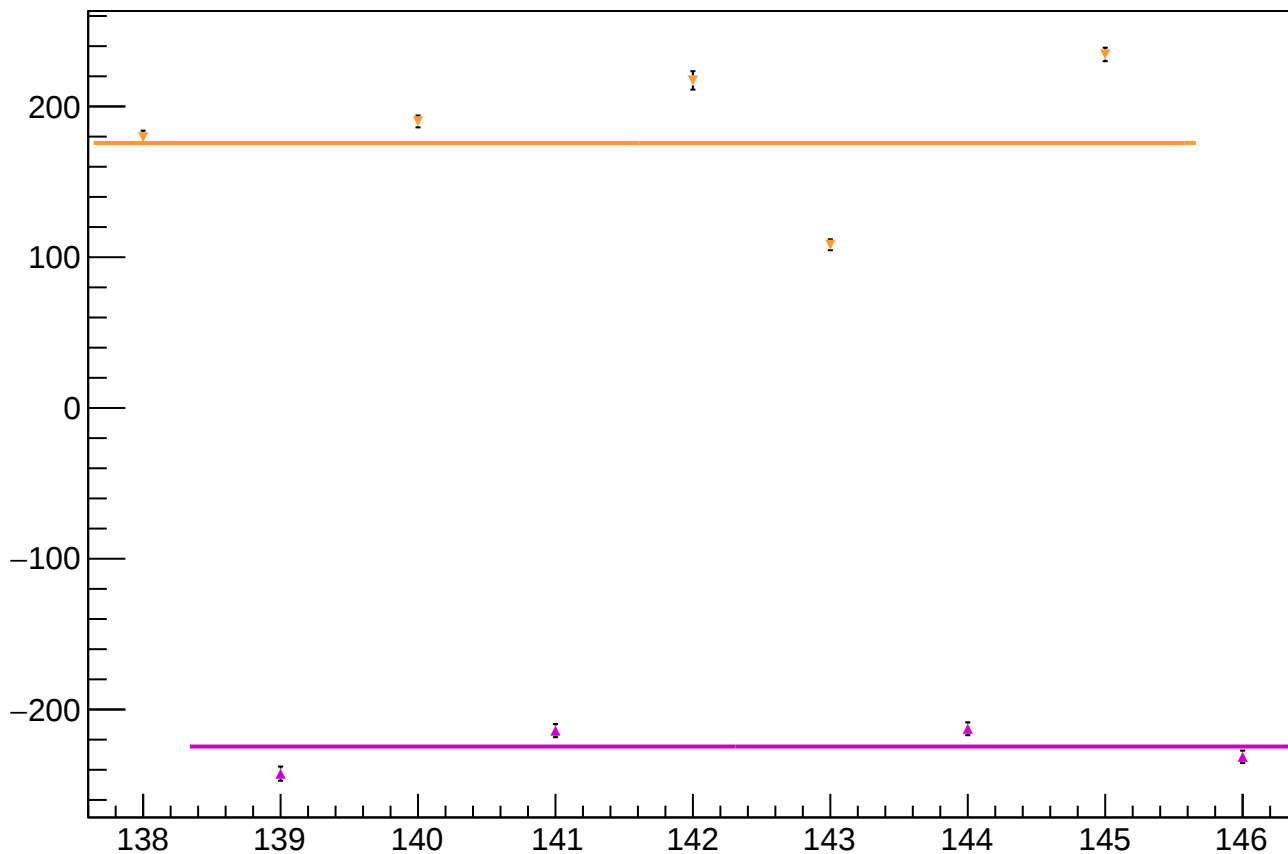
Left In: -148.745+/-0.106 χ^2/NDF : 7515.0/3

103.190+/-0.059 χ^2/NDF : 607478.6/21

-4.506+/-0.041 χ^2/NDF : 7436899.9/45

-105.154+/-0.057 χ^2/NDF : 465573.4/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 175.796+/-1.934 χ^2/NDF : 576.3/4

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

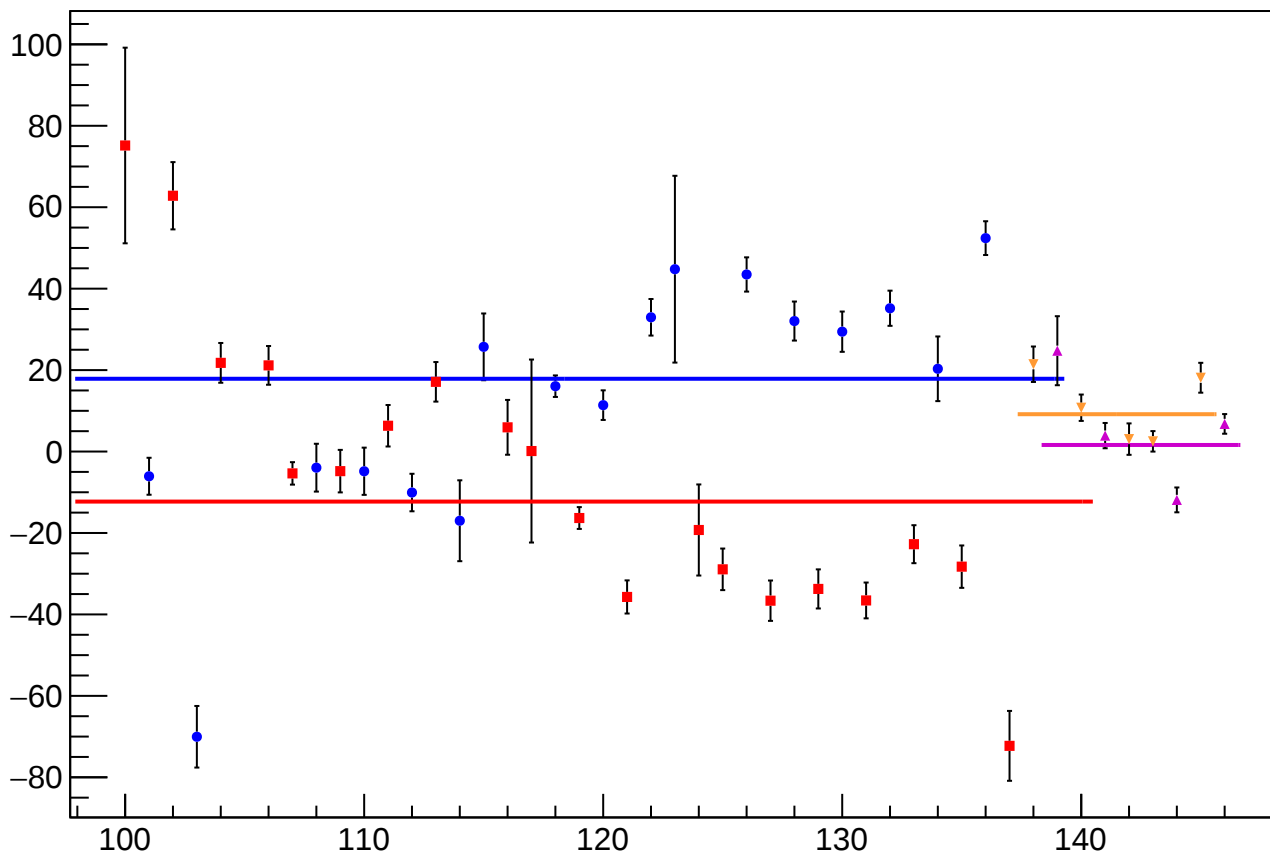
Left In: -224.580+/-2.180 χ^2/NDF : 30.6/3

175.796+/-1.934 χ^2/NDF : 576.3/4

-0.550+/-1.447 χ^2/NDF : 19483.4/8

-224.580+/-2.180 χ^2/NDF : 30.6/3

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 ± 1.166 $\chi^2/\text{NDF}: 395.3/16$

Left Out: 9.169 ± 1.494 $\chi^2/\text{NDF}: 23.7/4$

Right Out: -12.288 ± 1.082 $\chi^2/\text{NDF}: 444.4/19$

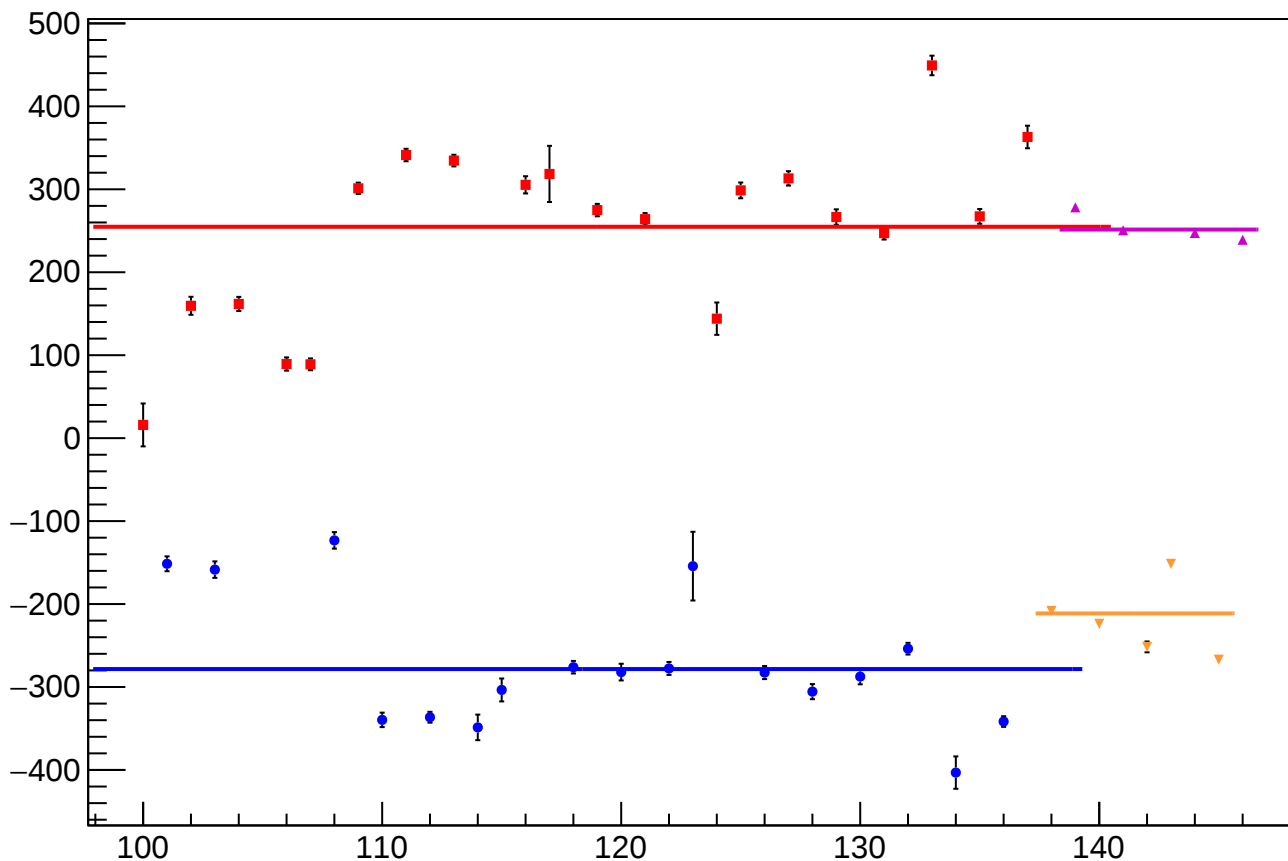
Left In: 1.613 ± 1.587 $\chi^2/\text{NDF}: 32.2/3$

14.579 ± 0.919 $\chi^2/\text{NDF}: 440.1/21$

3.040 ± 0.641 $\chi^2/\text{NDF}: 1275.7/45$

-7.877 ± 0.894 $\chi^2/\text{NDF}: 528.9/23$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -211.315 ± 2.067 χ^2/NDF : 422.7/4

Right Out: 254.830 ± 2.016 χ^2/NDF : 2041.0/19

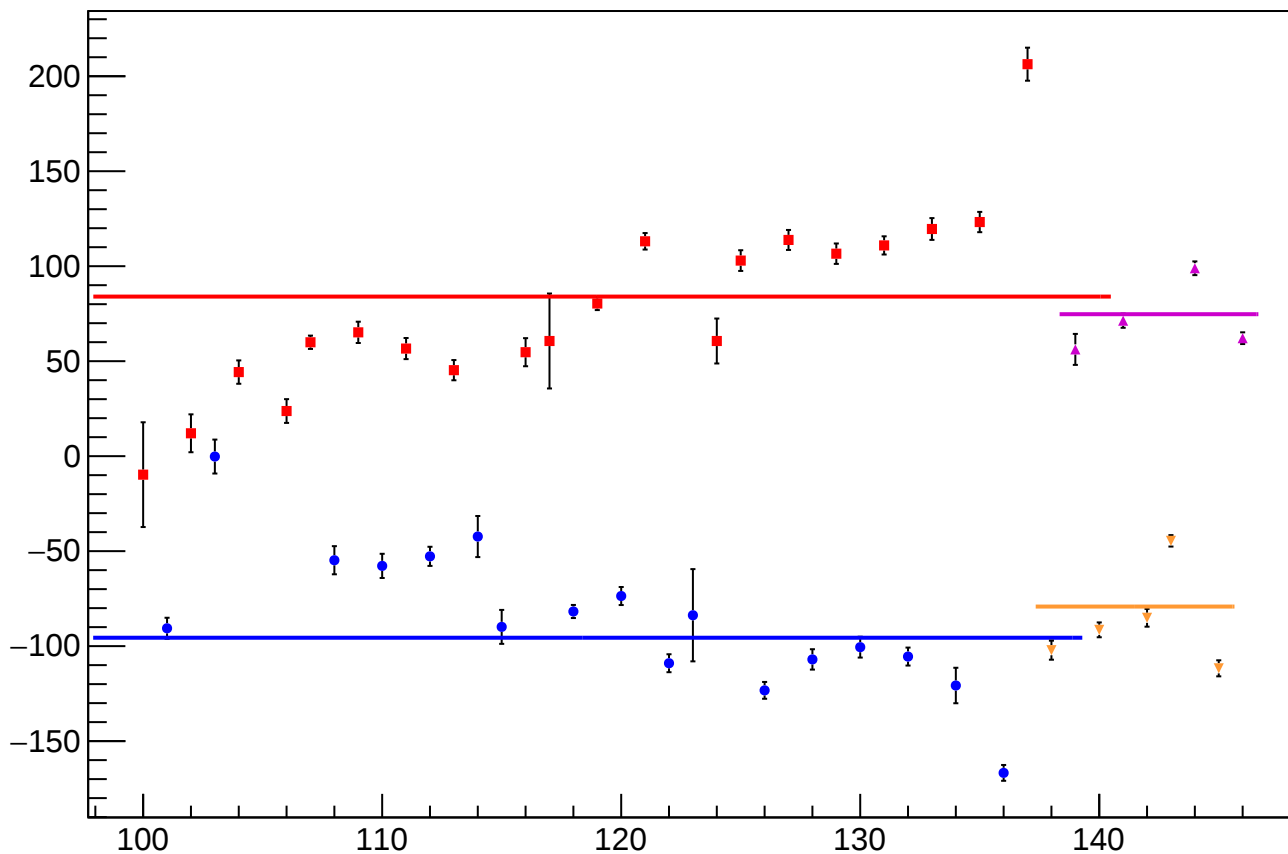
Left In: 251.454 ± 2.257 χ^2/NDF : 37.8/3

-242.986 ± 1.501 χ^2/NDF : 1830.5/21

4.821 ± 1.062 χ^2/NDF : 58470.3/45

253.331 ± 1.504 χ^2/NDF : 2080.1/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -79.169 ± 1.776 χ^2/NDF : 223.5/4

Right Out: 84.003 ± 1.255 χ^2/NDF : 784.1/19

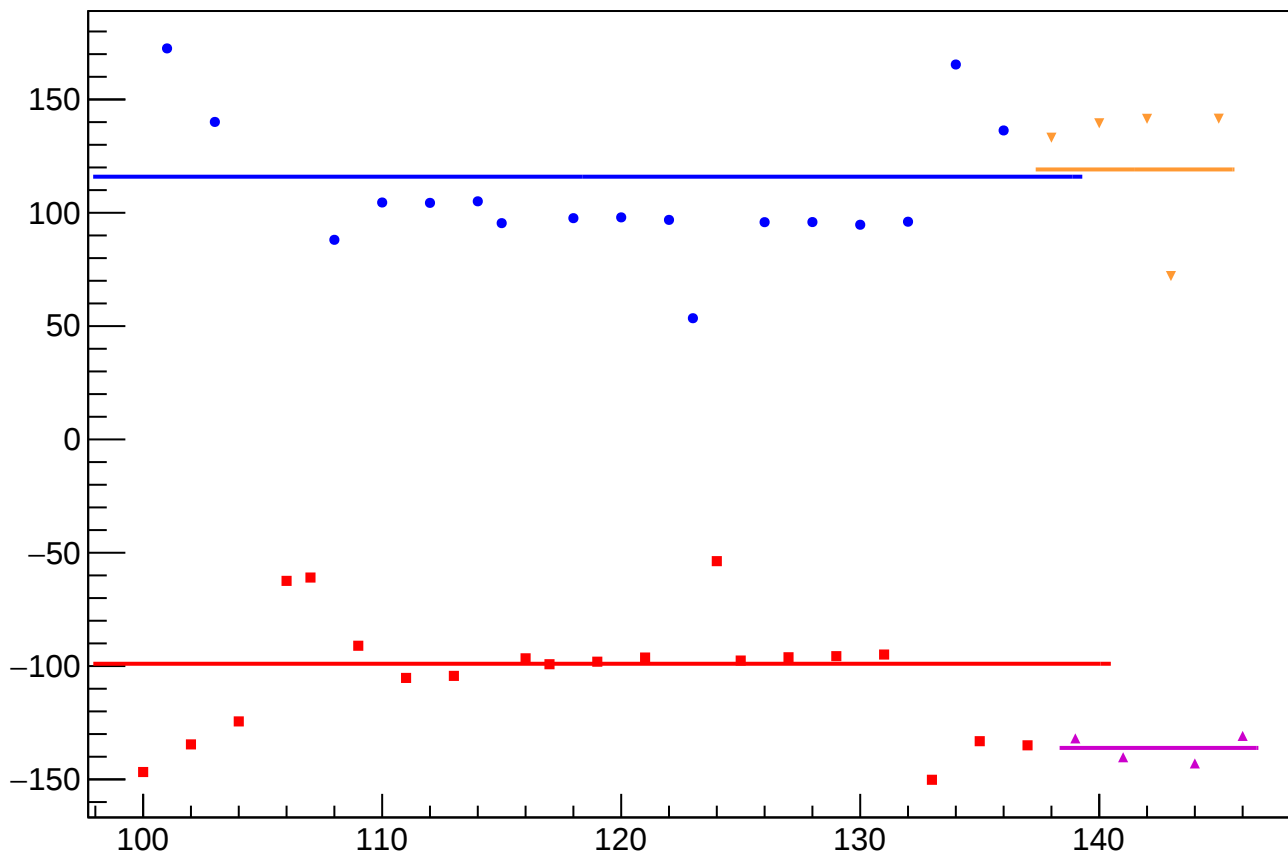
Left In: 74.731 ± 1.931 χ^2/NDF : 67.5/3

-89.620 ± 1.070 χ^2/NDF : 949.1/21

-2.786 ± 0.750 χ^2/NDF : 14780.7/45

81.250 ± 1.052 χ^2/NDF : 867.8/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927 $\pm$ 0.078 χ^2/NDF : 105791.4/16

Left Out: 119.120 $\pm$ 0.084 χ^2/NDF :130835.4/4

Right Out: -98.982 $\pm$ 0.068 χ^2/NDF : 172974.2/19

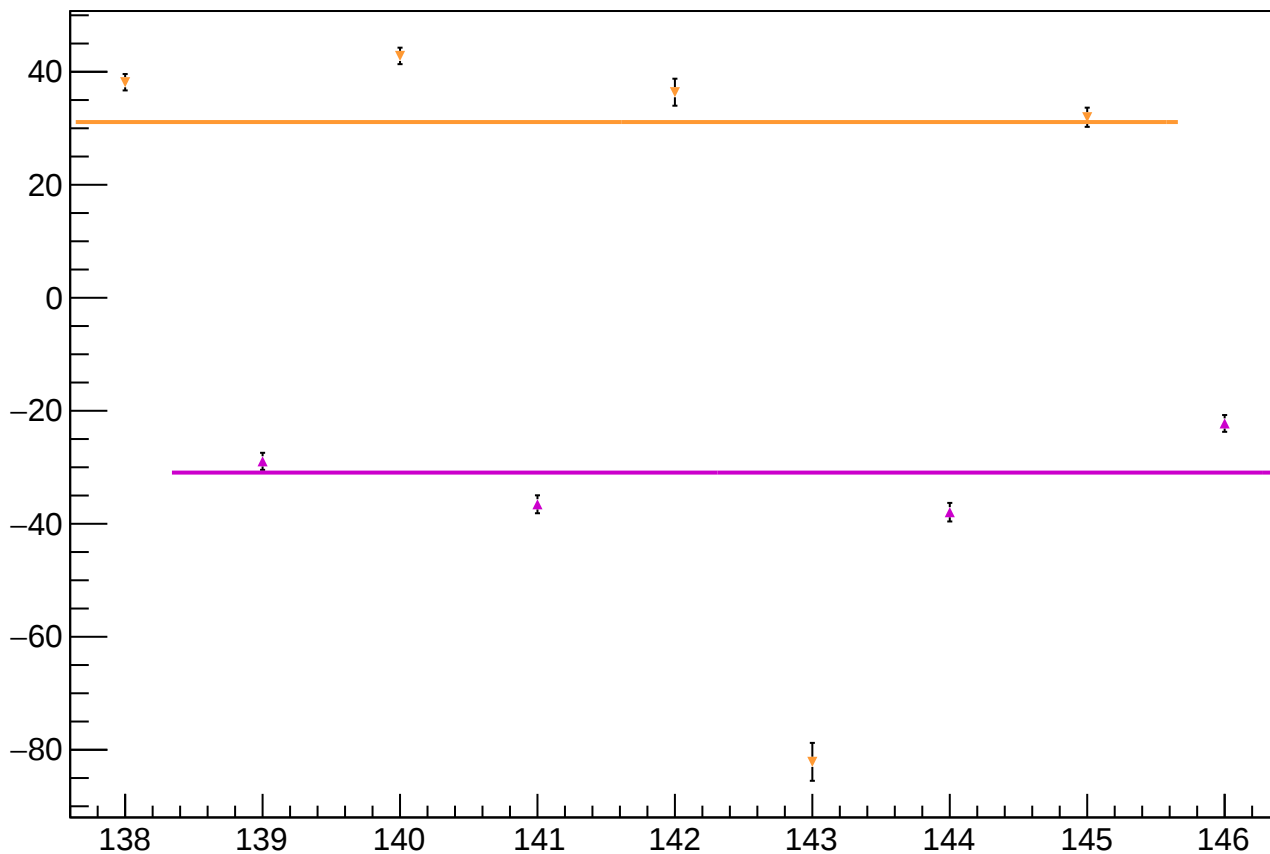
Left In: -136.115 $\pm$ 0.094 χ^2/NDF :3043.1/3

117.412 $\pm$ 0.057 χ^2/NDF : 237397.9/21

-1.508 $\pm$ 0.040 χ^2/NDF : 8809426.7/45

-111.936 $\pm$ 0.055 χ^2/NDF : 278589.2/23

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 31.104+/-0.802 χ^2/NDF :1232.6/4

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

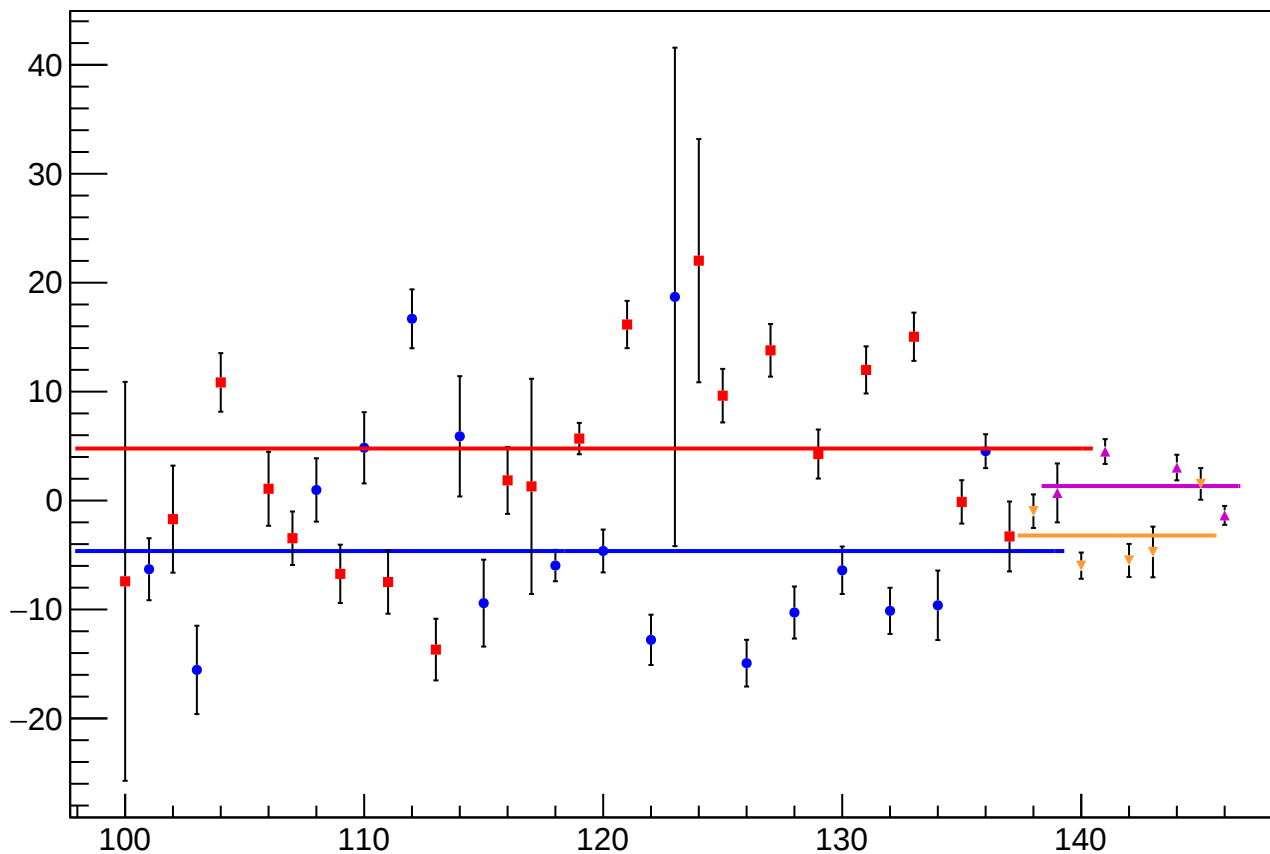
Left In: -30.940+/-0.776 χ^2/NDF :66.7/3

31.104+/-0.802 χ^2/NDF : 1232.6/4

-0.927+/-0.558 χ^2/NDF : 4390.2/8

-30.940+/-0.776 χ^2/NDF : 66.7/3

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -3.209 ± 0.673 χ^2/NDF : 20.7/4

Right Out: 4.779 ± 0.583 χ^2/NDF : 192.7/19

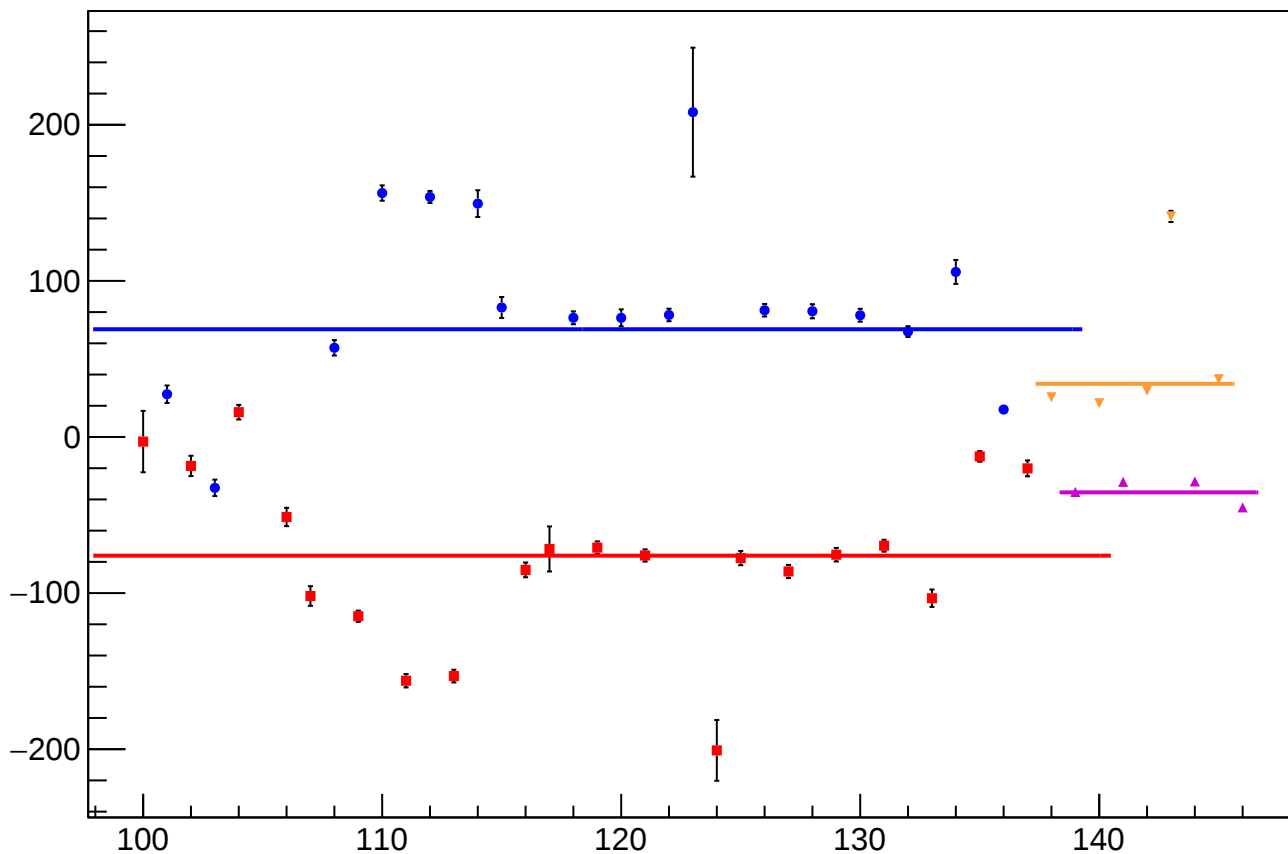
Left In: 1.333 ± 0.581 χ^2/NDF : 19.5/3

-4.019 ± 0.443 χ^2/NDF : 197.7/21

-0.228 ± 0.301 χ^2/NDF : 564.1/45

3.047 ± 0.412 χ^2/NDF : 229.7/23

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019+/-1.083 χ^2 /NDF: 1848.0/16

Left Out: 34.068+/-0.856 χ^2 /NDF: 996.3/4

Right Out: -76.017+/-1.067 χ^2 /NDF: 1882.0/19

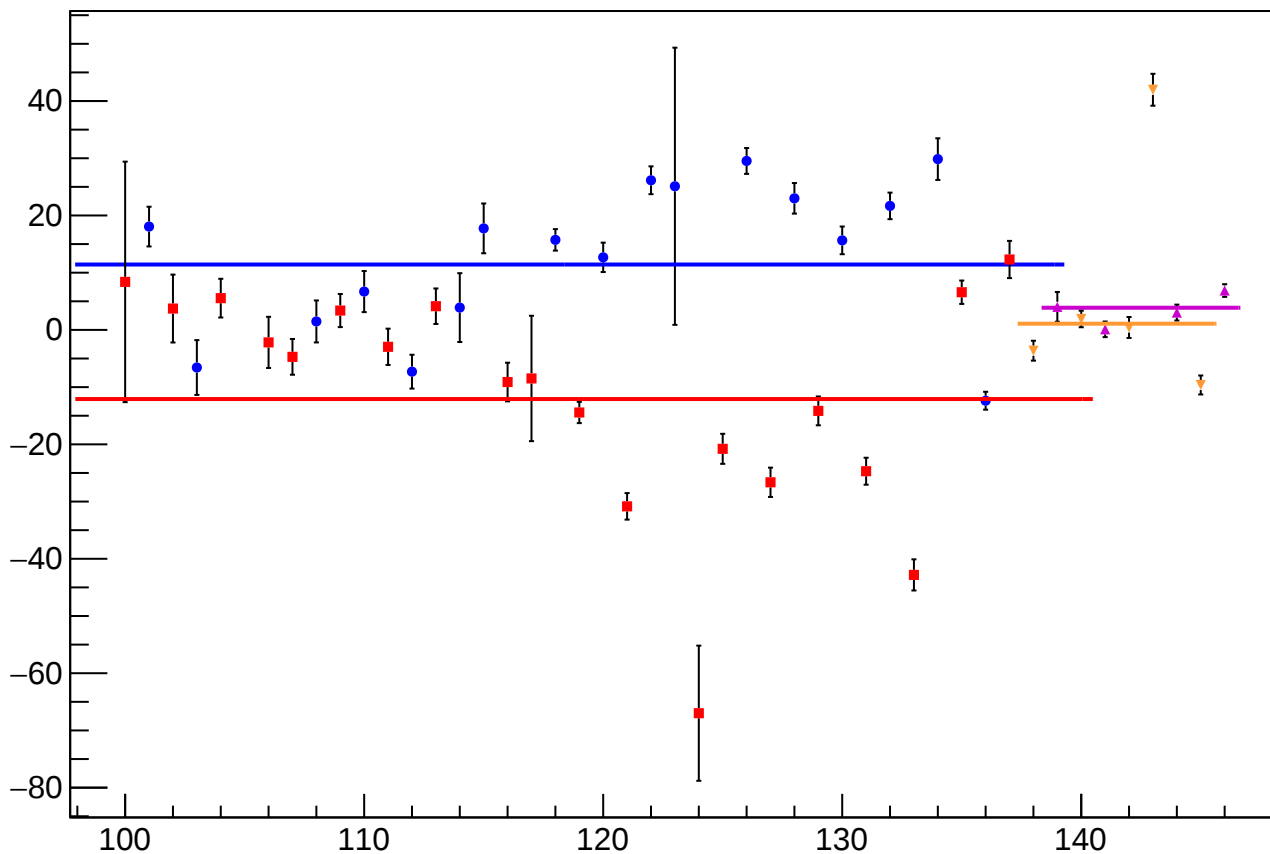
Left In: -35.489+/-0.805 χ^2 /NDF: 77.5/3

47.491+/-0.671 χ^2 /NDF: 3485.4/21

-3.499+/-0.464 χ^2 /NDF: 17412.1/45

-50.185+/-0.642 χ^2 /NDF: 2879.2/23

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 χ^2/NDF : 476.8/16

Left Out: 1.087 ± 0.790 χ^2/NDF : 264.8/4

Right Out: -12.082 ± 0.663 χ^2/NDF : 539.2/19

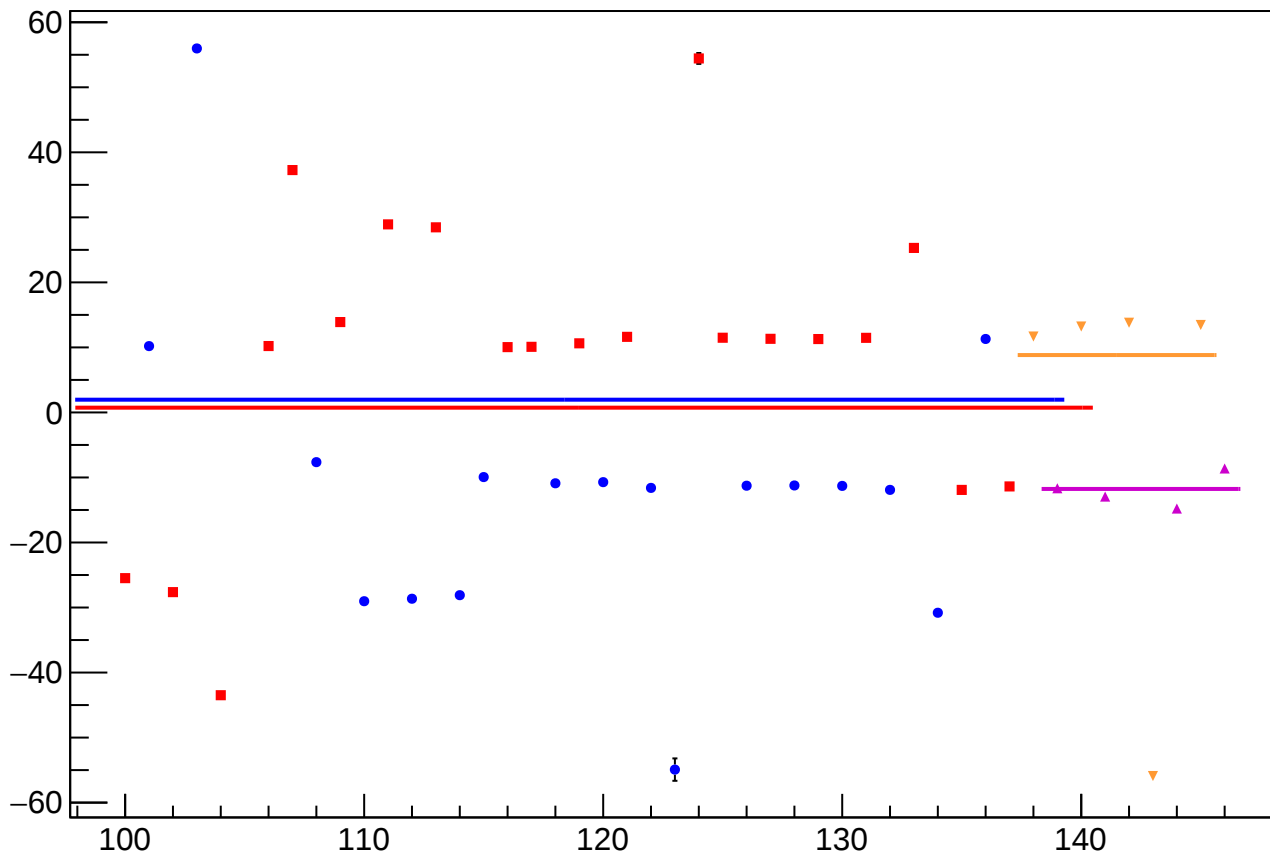
Left In: 3.875 ± 0.705 χ^2/NDF : 15.3/3

7.138 ± 0.509 χ^2/NDF : 841.7/21

0.962 ± 0.350 χ^2/NDF : 1947.9/45

-4.594 ± 0.483 χ^2/NDF : 826.6/23

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960+/-0.037 χ^2/NDF : 358457.0/16

Left Out: 8.824+/-0.035 χ^2/NDF : 216754.5/4

Right Out: 0.733+/-0.037 χ^2/NDF : 361368.4/19

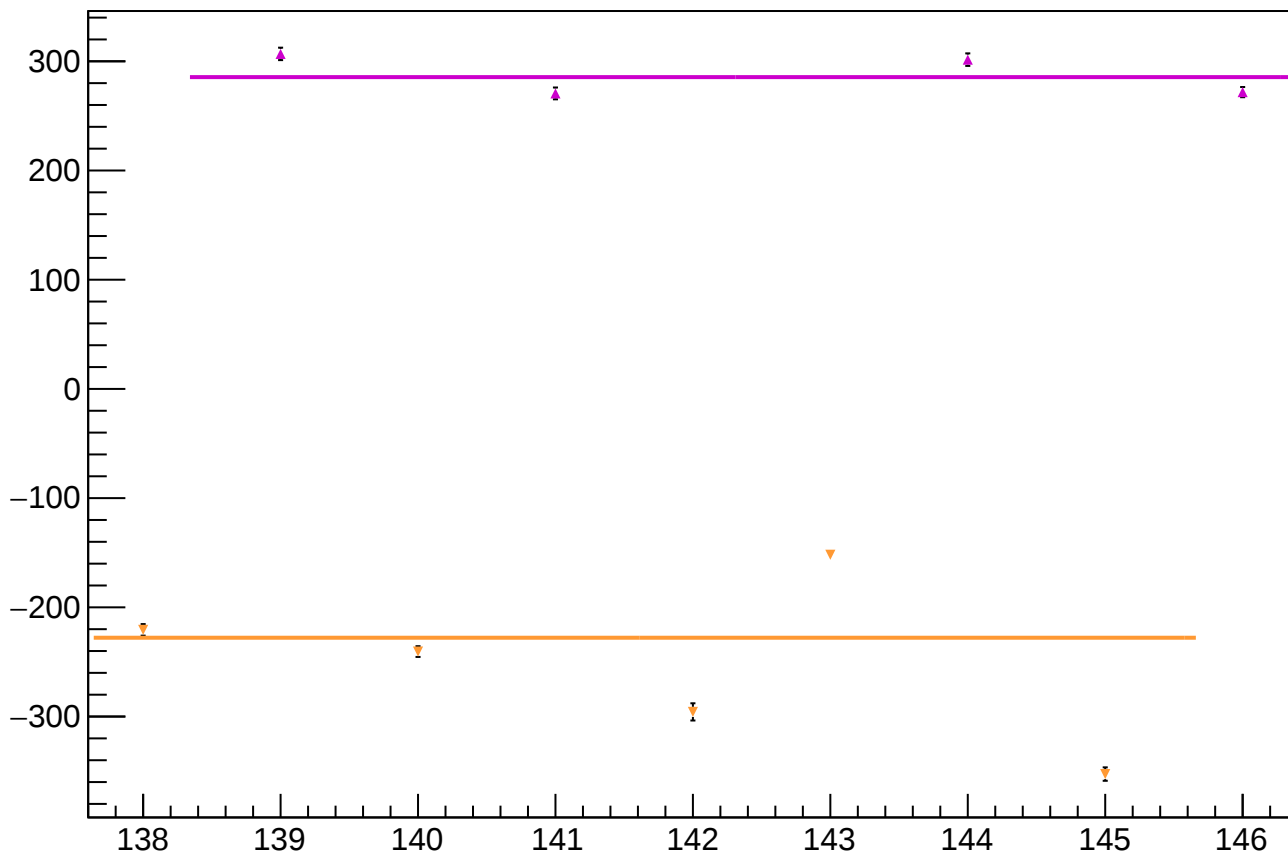
Left In: -11.765+/-0.033 χ^2/NDF : 4142.0/3

5.635+/-0.025 χ^2/NDF : 593488.4/21

-0.476+/-0.018 χ^2/NDF : 1135788.9/45

-6.251+/-0.025 χ^2/NDF : 429054.5/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -227.832+/-2.353 χ^2/NDF : 847.4/4

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

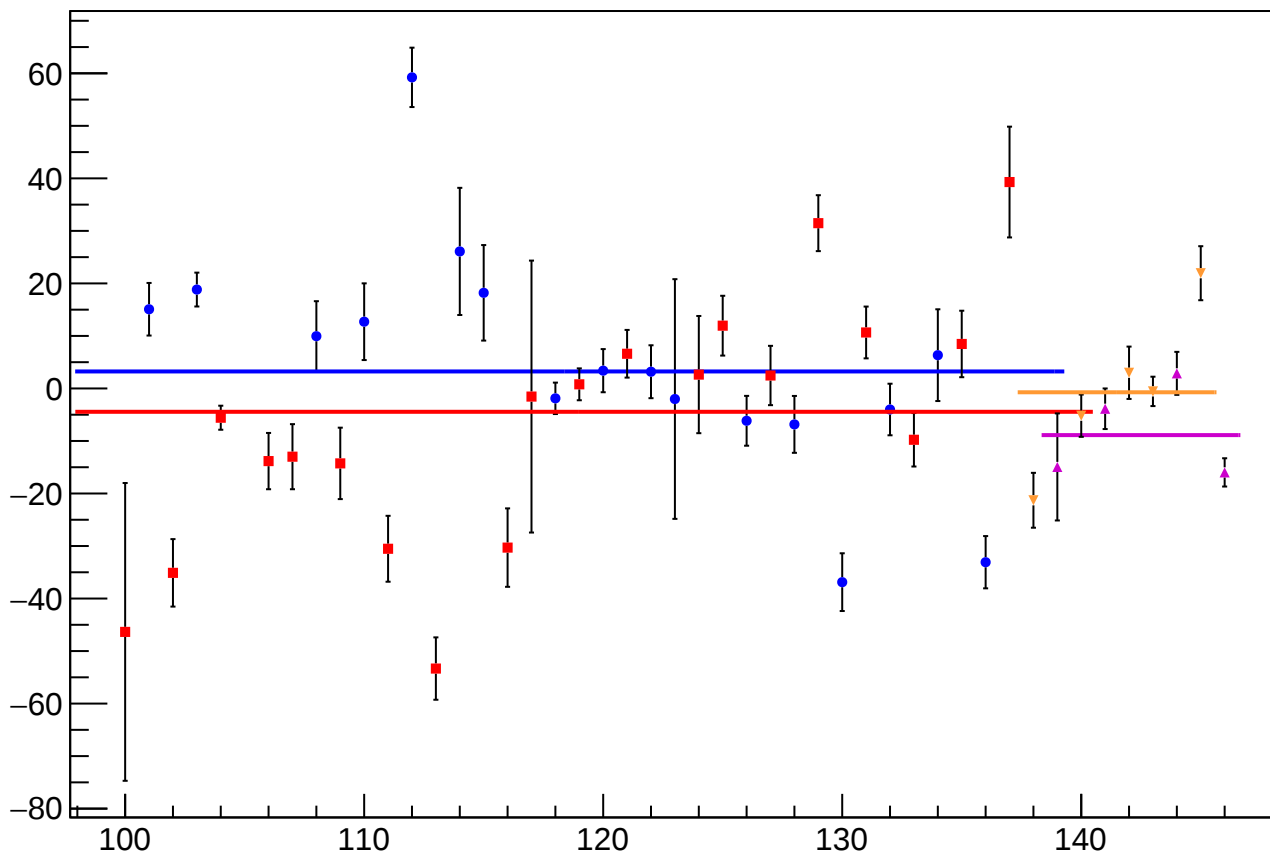
Left In: 285.513+/-2.664 χ^2/NDF : 37.9/3

-227.832+/-2.353 χ^2/NDF : 847.4/4

-2.849+/-1.763 χ^2/NDF : 21751.2/8

285.513+/-2.664 χ^2/NDF : 37.9/3

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 $\pm$ 1.244 χ^2 /NDF: 255.3/16

Left Out: -0.729 $\pm$ 1.813 χ^2 /NDF:36.7/4

Right Out: -4.444 $\pm$ 1.156 χ^2 /NDF: 225.8/19

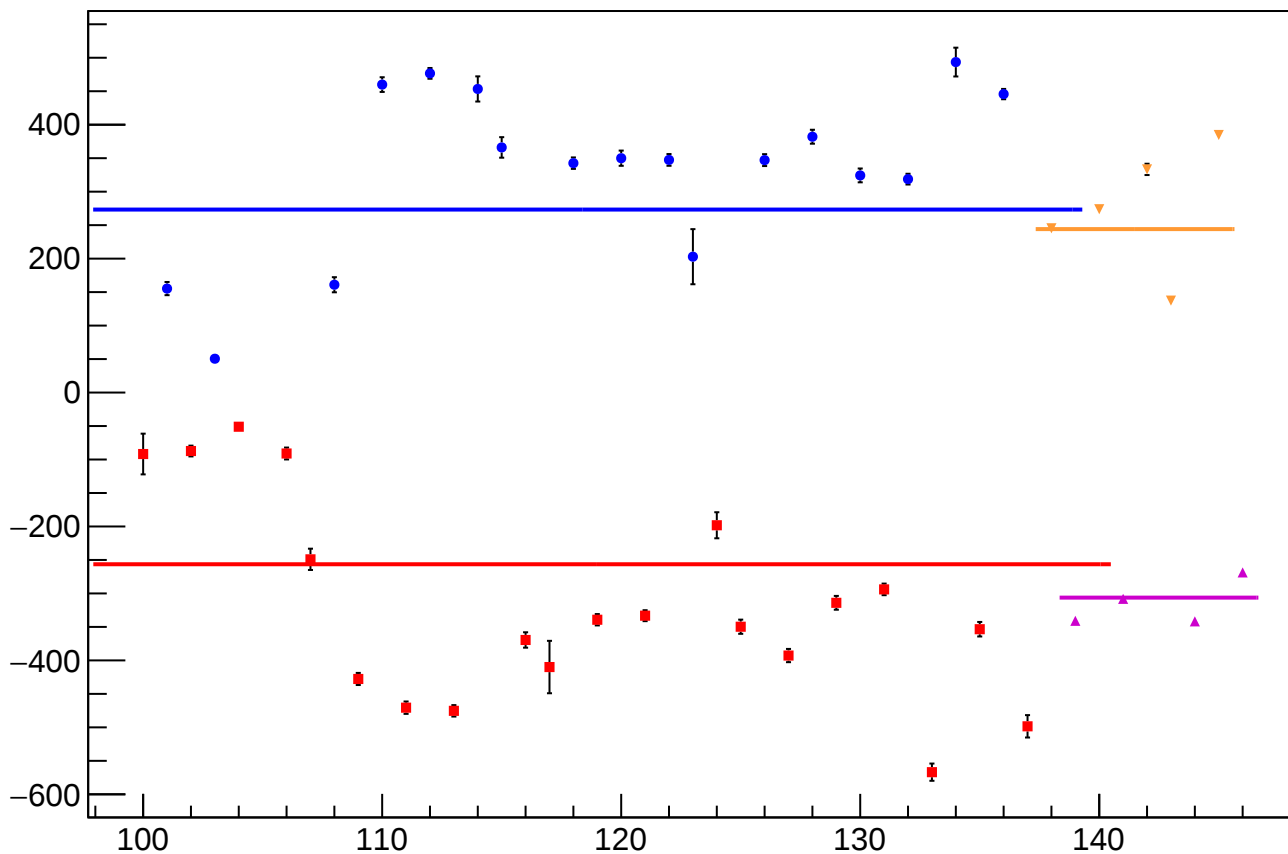
Left In: -8.883 $\pm$ 1.909 χ^2 /NDF:17.3/3

1.968 $\pm$ 1.026 χ^2 /NDF: 295.2/21

-1.972 $\pm$ 0.712 χ^2 /NDF: 570.7/45

-5.635 $\pm$ 0.989 χ^2 /NDF: 247.0/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 $\pm$ 2.205 χ^2/NDF : 5101.5/16

Left Out: 244.100 $\pm$ 2.511 χ^2/NDF :1230.7/4

Right Out: -256.418 $\pm$ 2.077 χ^2/NDF : 6453.9/19

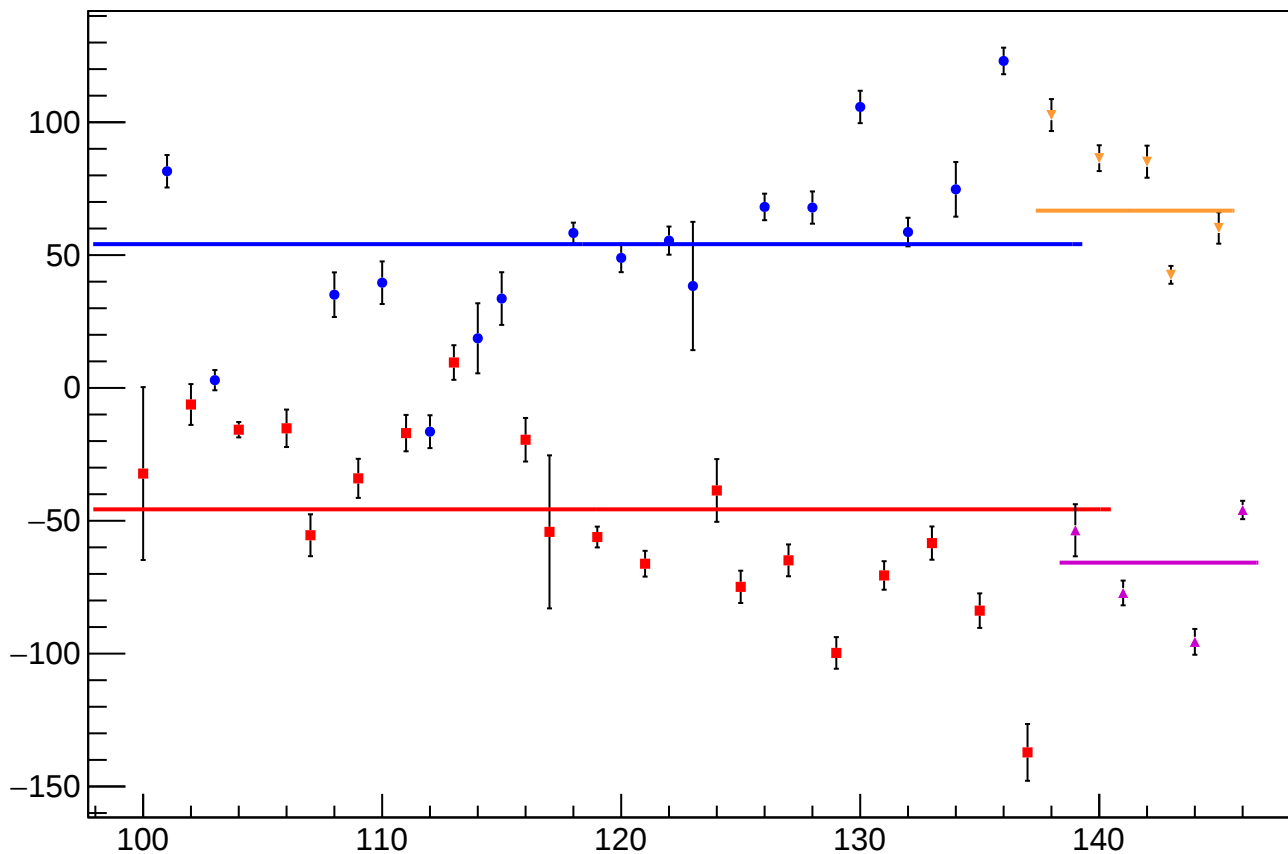
Left In: -306.258 $\pm$ 2.741 χ^2/NDF :136.1/3

260.578 $\pm$ 1.657 χ^2/NDF : 6408.4/21

-7.252 $\pm$ 1.171 χ^2/NDF : 65423.6/45

-274.596 $\pm$ 1.655 χ^2/NDF : 6800.0/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 66.731+/-2.157 χ^2/NDF : 114.7/4

Right Out: -45.694+/-1.356 χ^2/NDF : 531.1/19

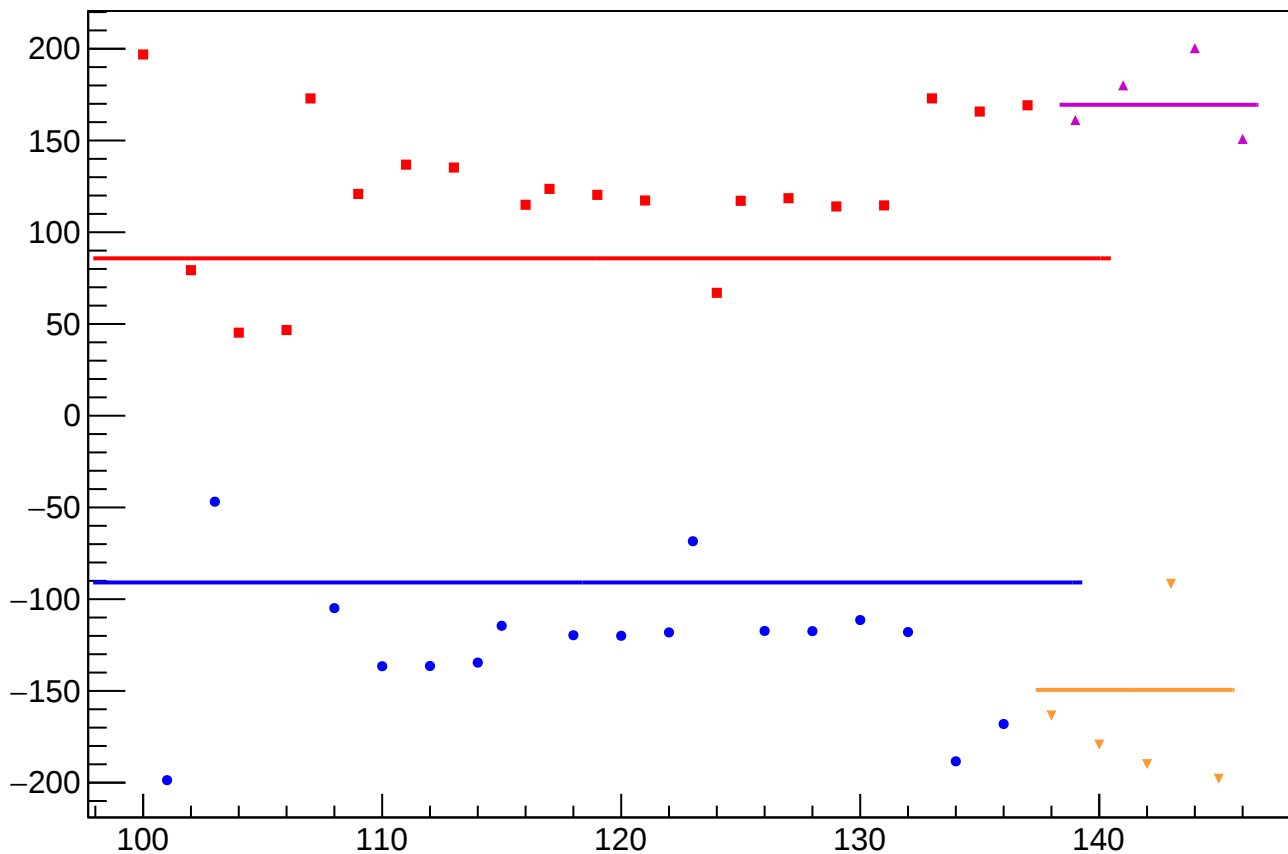
Left In: -65.755+/-2.338 χ^2/NDF : 78.2/3

57.999+/-1.196 χ^2/NDF : 772.3/21

2.544+/-0.837 χ^2/NDF : 5649.7/45

-50.741+/-1.173 χ^2/NDF : 664.4/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 ± 0.068 $\chi^2/\text{NDF}: 533423.8/16$

Left Out: -149.435 ± 0.102 $\chi^2/\text{NDF}: 182457.7/4$

Right Out: 85.772 ± 0.065 $\chi^2/\text{NDF}: 494629.5/19$

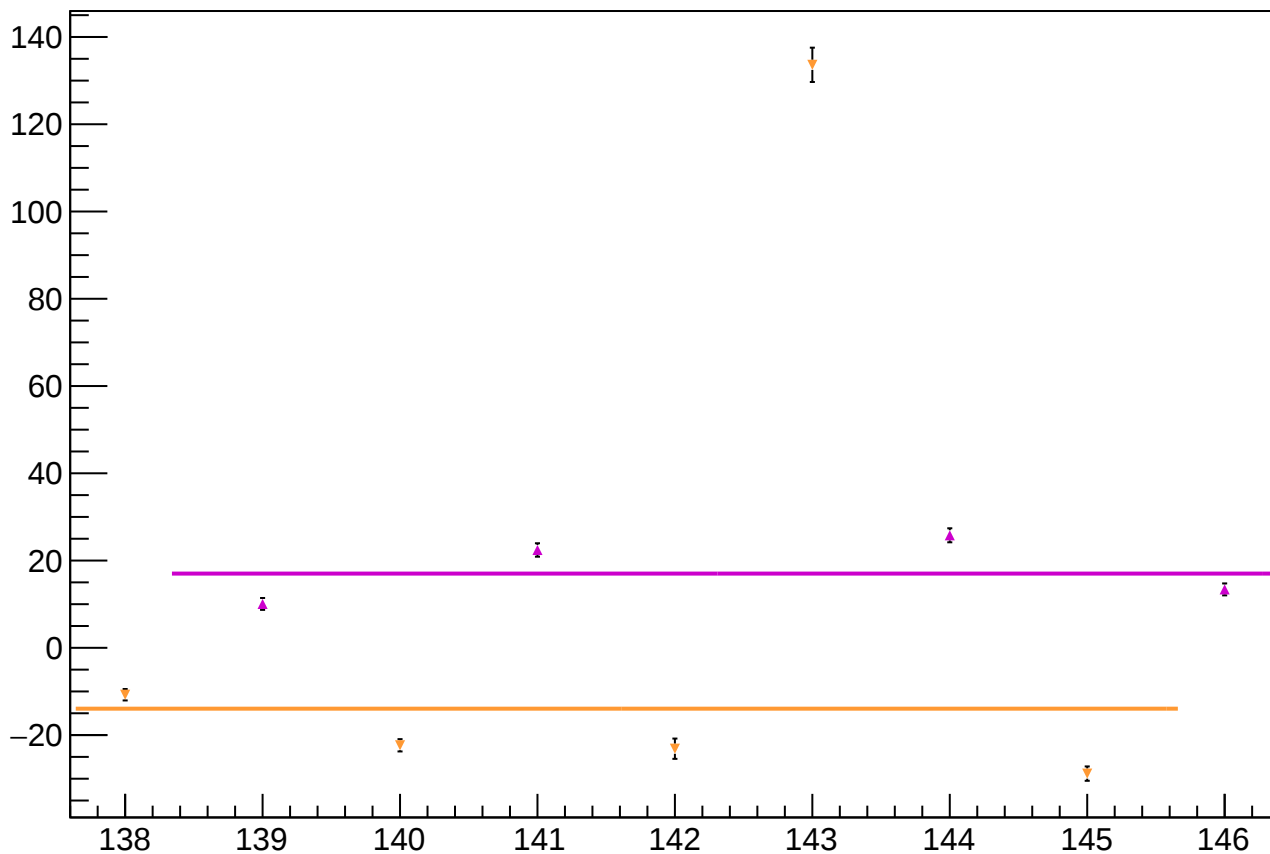
Left In: 169.479 ± 0.114 $\chi^2/\text{NDF}: 24870.0/3$

-108.751 ± 0.056 $\chi^2/\text{NDF}: 943822.3/21$

-1.169 ± 0.040 $\chi^2/\text{NDF}: 9126864.7/45$

106.362 ± 0.056 $\chi^2/\text{NDF}: 927157.3/23$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.948+/-0.767 χ^2/NDF : 1546.2/4

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

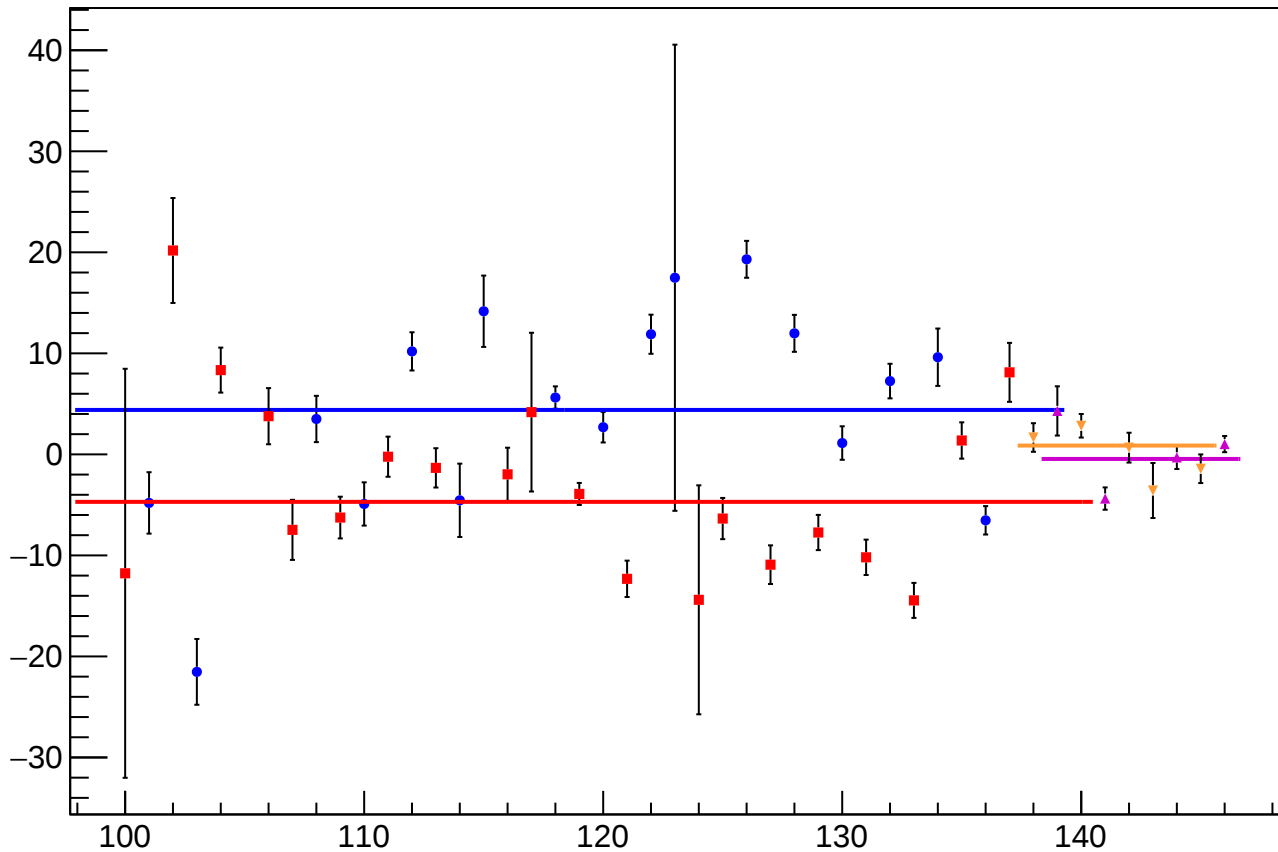
Left In: 17.013+/-0.729 χ^2/NDF : 75.2/3

-13.948+/-0.767 χ^2/NDF : 1546.2/4

2.306+/-0.528 χ^2/NDF : 2477.6/8

17.013+/-0.729 χ^2/NDF : 75.2/3

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 $\pm$ 0.471 $\chi^2/\text{NDF}: 286.8/16$

Left Out: 0.872 $\pm$ 0.656 $\chi^2/\text{NDF}: 8.4/4$

Right Out: -4.700 $\pm$ 0.472 $\chi^2/\text{NDF}: 184.2/19$

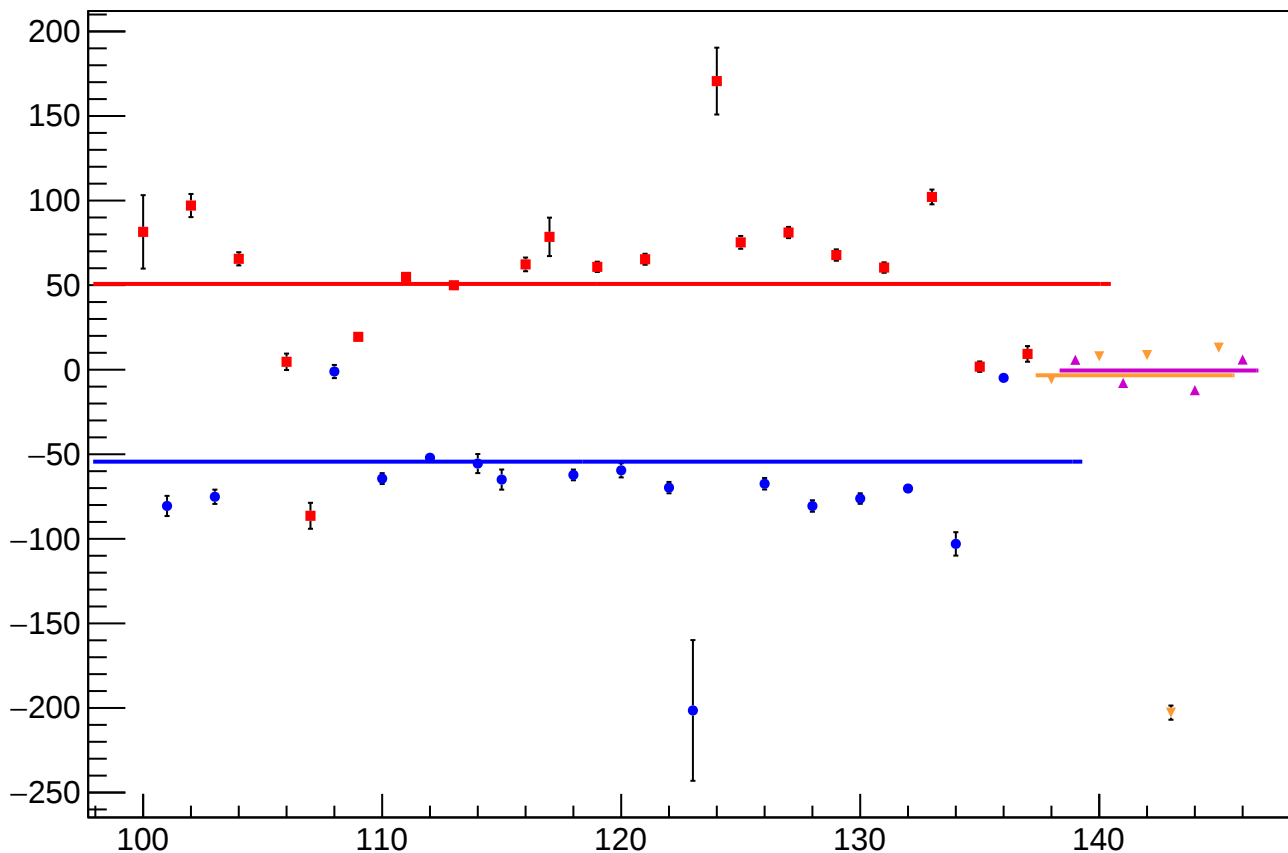
Left In: -0.452 $\pm$ 0.550 $\chi^2/\text{NDF}: 19.8/3$

3.199 $\pm$ 0.383 $\chi^2/\text{NDF}: 314.4/21$

-0.049 $\pm$ 0.262 $\chi^2/\text{NDF}: 687.9/45$

-2.896 $\pm$ 0.358 $\chi^2/\text{NDF}: 238.3/23$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: -3.307 ± 0.818 χ^2/NDF : 2429.2/4

Right Out: 50.712 ± 0.855 χ^2/NDF : 1327.3/19

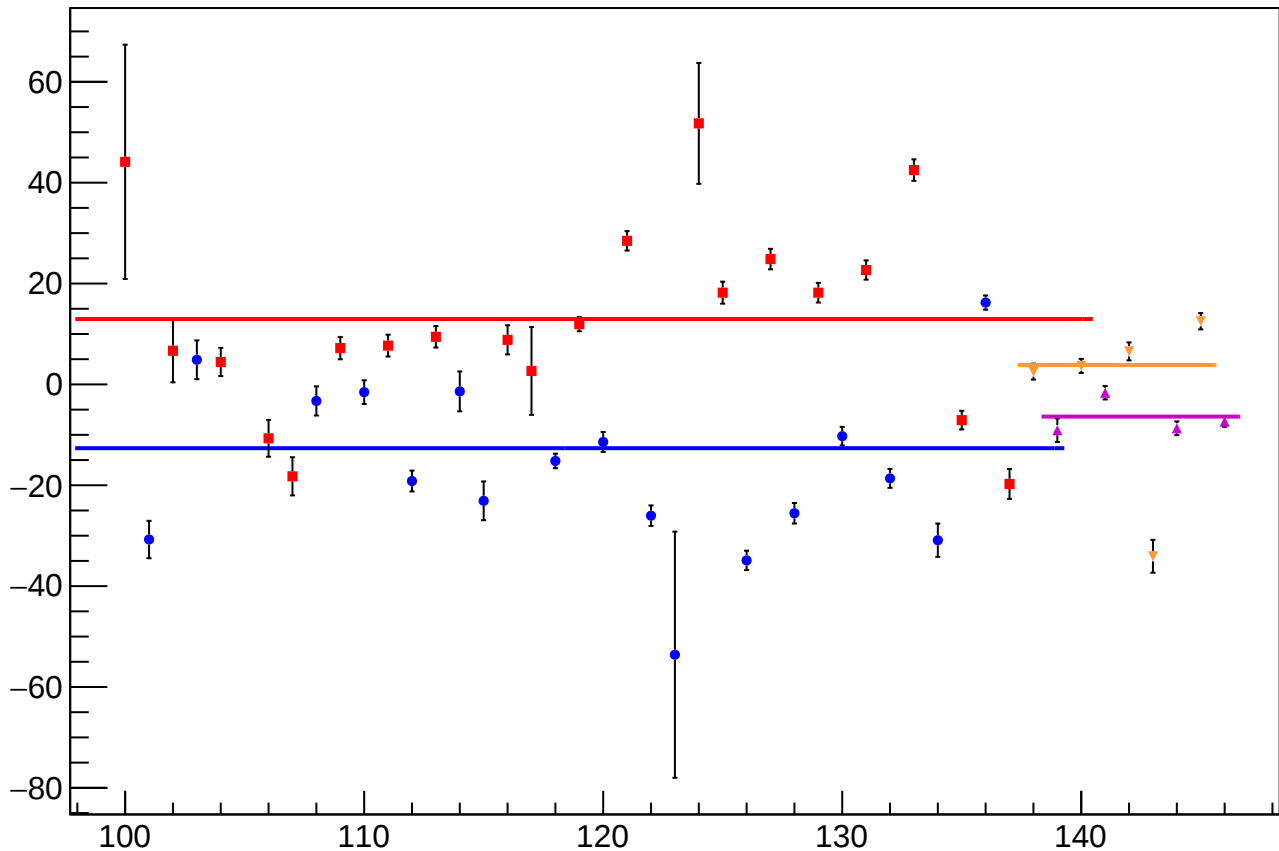
Left In: -0.471 ± 0.755 χ^2/NDF : 109.0/3

-27.324 ± 0.595 χ^2/NDF : 5274.2/21

-1.435 ± 0.410 χ^2/NDF : 12321.5/45

21.966 ± 0.566 χ^2/NDF : 3448.6/23

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 3.851 ± 0.767 χ^2/NDF : 166.9/4

Right Out: 12.965 ± 0.536 χ^2/NDF : 722.8/19

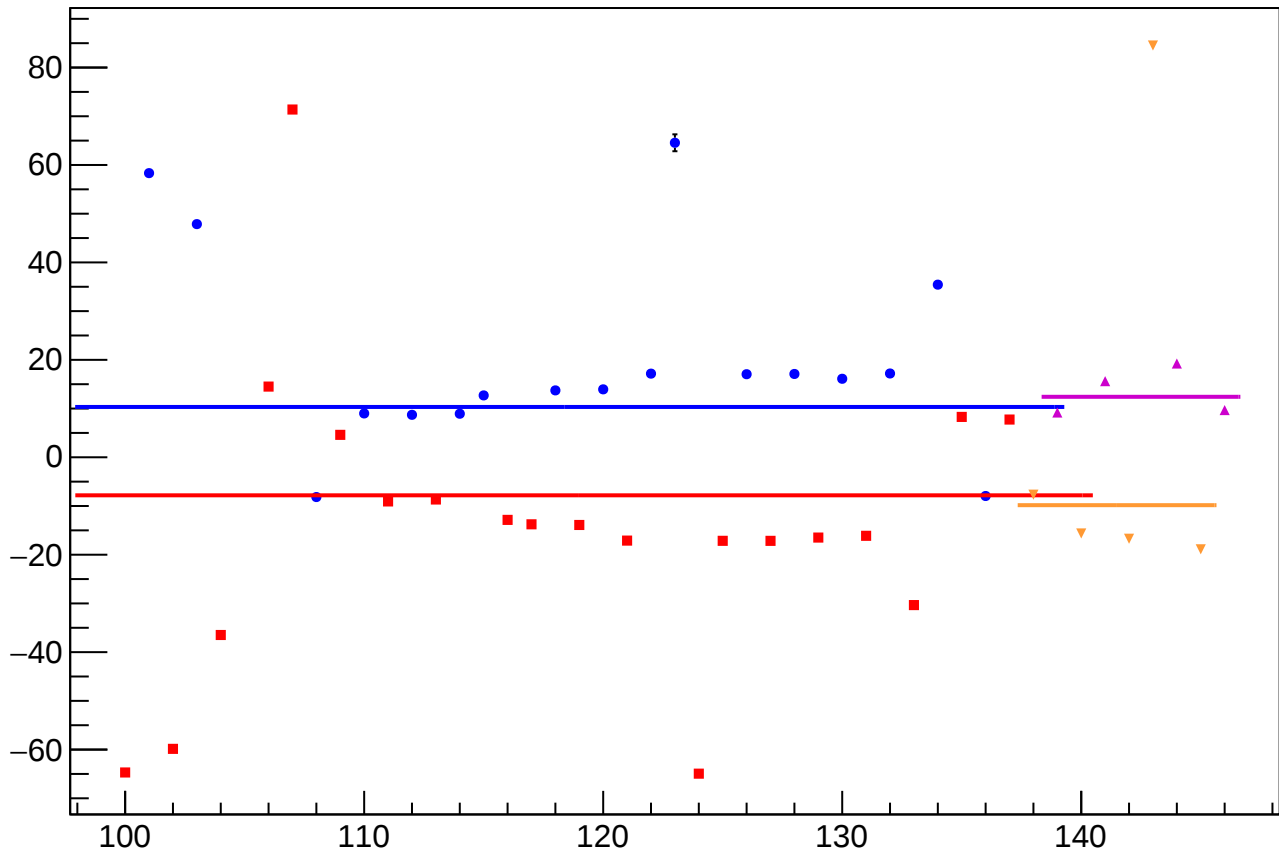
Left In: -6.378 ± 0.667 χ^2/NDF : 17.9/3

-7.234 ± 0.440 χ^2/NDF : 1265.9/21

-0.616 ± 0.303 χ^2/NDF : 2948.7/45

5.372 ± 0.418 χ^2/NDF : 1251.1/23

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 $\pm$ 0.031 χ^2 /NDF: 380857.1/16

Left Out: -9.832 $\pm$ 0.033 χ^2 /NDF: 346292.9/4

Right Out: -7.808 $\pm$ 0.031 χ^2 /NDF: 544249.7/19

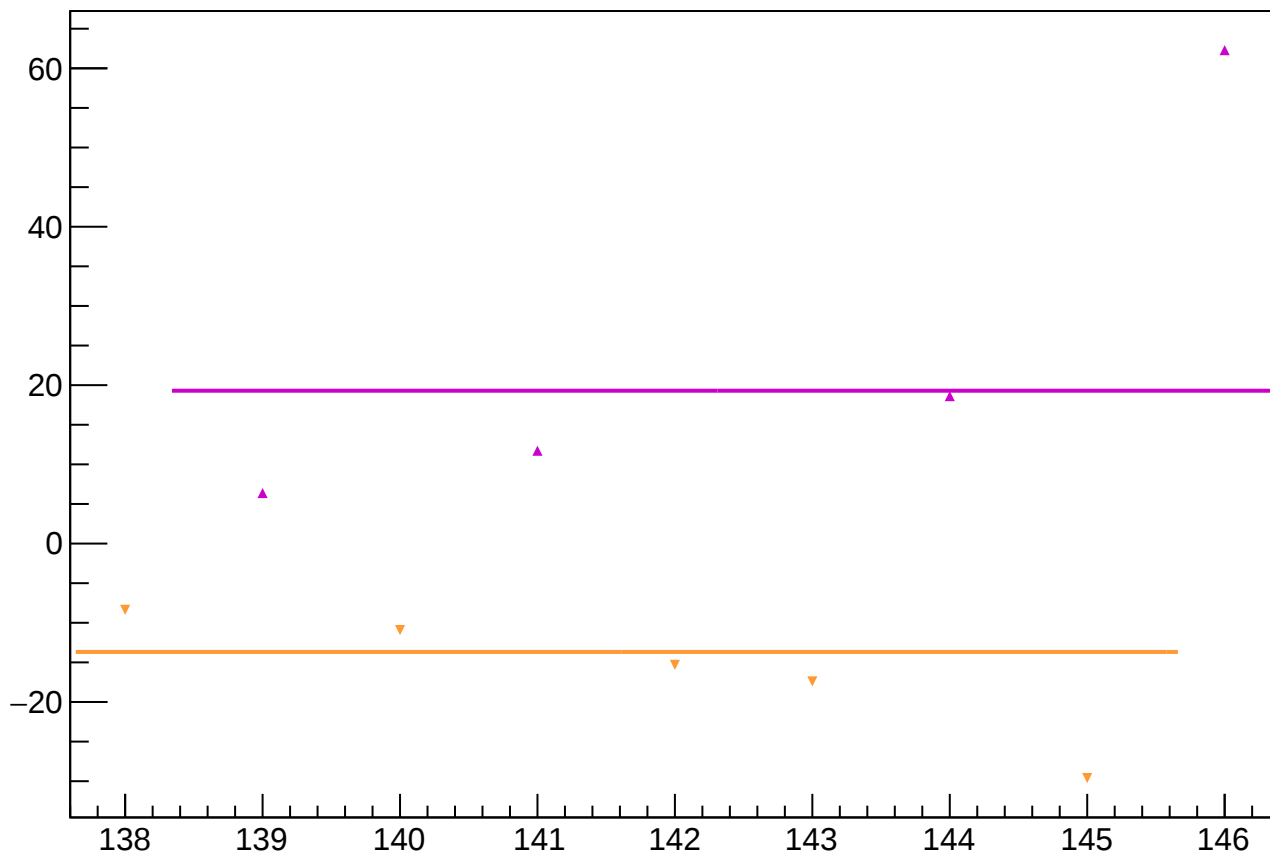
Left In: 12.415 $\pm$ 0.031 χ^2 /NDF: 16537.9/3

0.989 $\pm$ 0.022 χ^2 /NDF: 927288.7/21

1.736 $\pm$ 0.016 χ^2 /NDF: 1702611.8/45

2.448 $\pm$ 0.022 χ^2 /NDF: 773165.7/23

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.680+/-0.120 χ^2/NDF : 3064.3/4

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

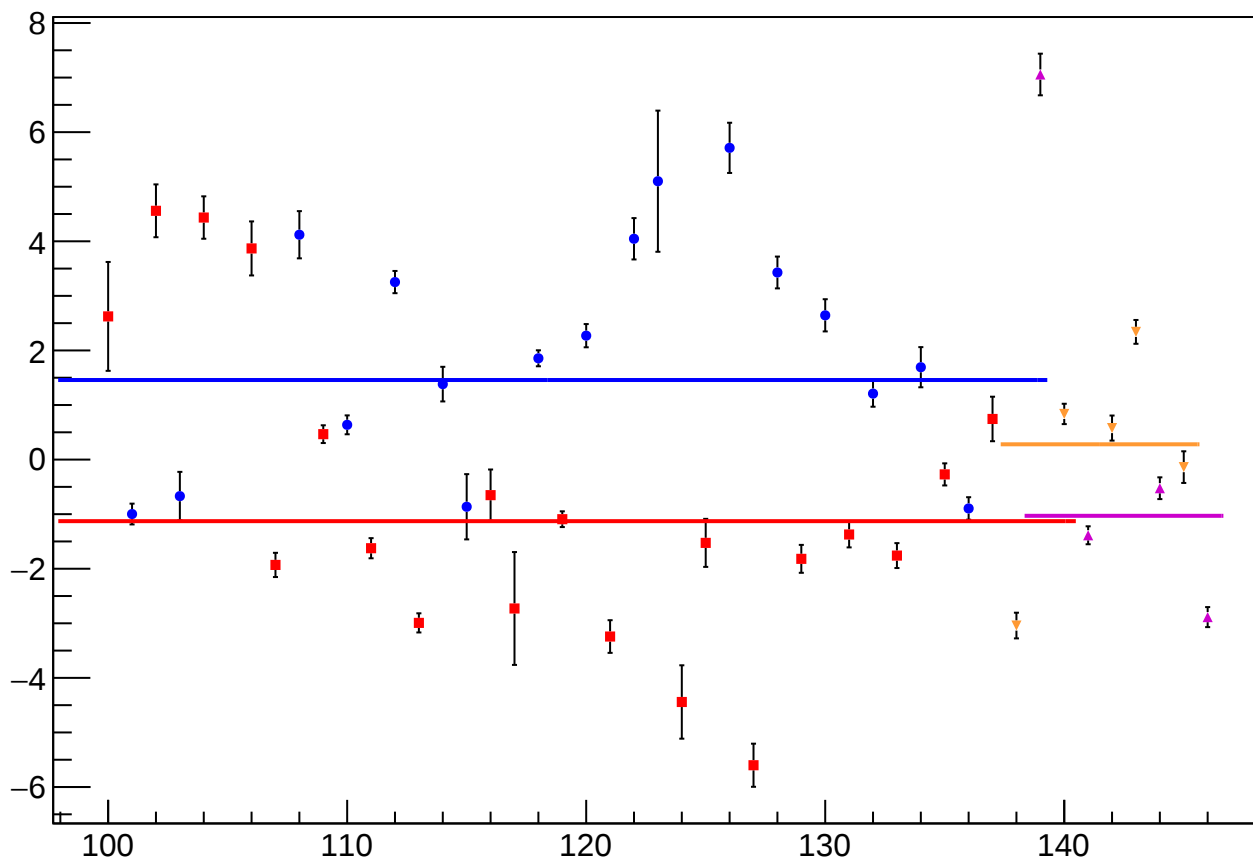
Left In: 19.297+/-0.125 χ^2/NDF : 23537.8/3

-13.680+/-0.120 χ^2/NDF : 3064.3/4

2.095+/-0.086 χ^2/NDF : 62881.9/8

19.297+/-0.125 χ^2/NDF : 23537.8/3

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 0.280 ± 0.101 χ^2/NDF : 300.7/4

Right Out: -1.128 ± 0.058 χ^2/NDF : 949.8/19

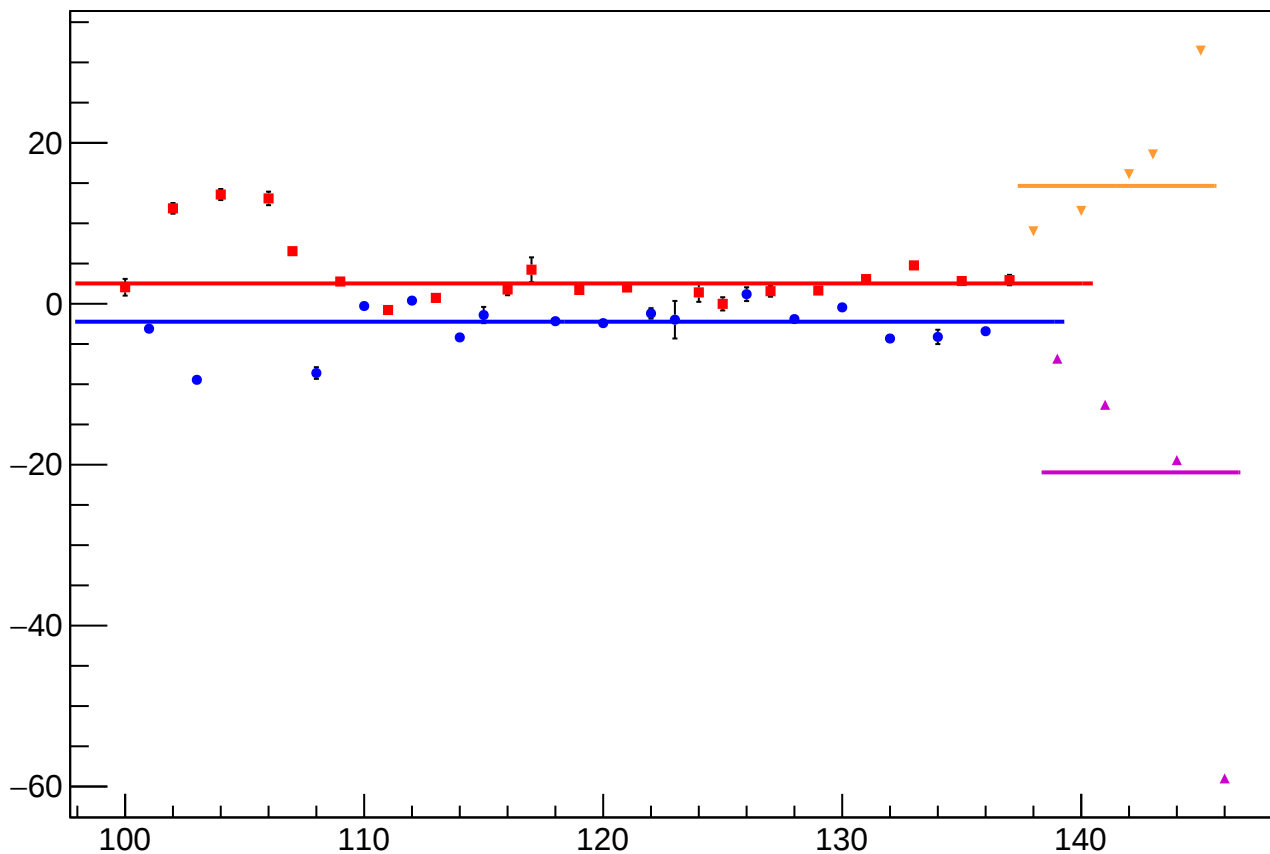
Left In: -1.030 ± 0.101 χ^2/NDF : 562.7/3

1.135 ± 0.053 χ^2/NDF : 1098.3/21

-0.039 ± 0.036 χ^2/NDF : 3555.0/45

-1.104 ± 0.050 χ^2/NDF : 1513.2/23

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 14.651 ± 0.128 χ^2/NDF : 3039.2/4

Right Out: 2.527 ± 0.099 χ^2/NDF : 905.2/19

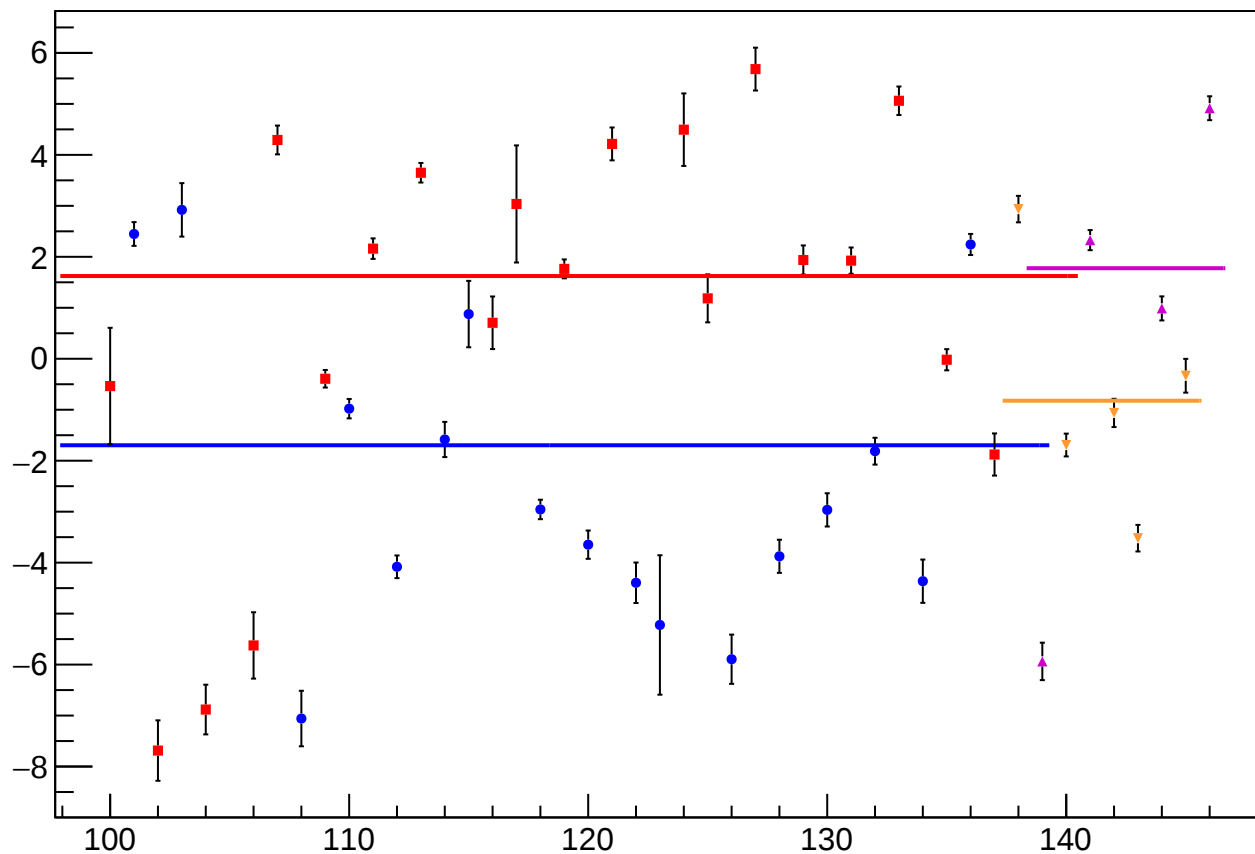
Left In: -20.957 ± 0.131 χ^2/NDF : 21038.3/3

5.012 ± 0.084 χ^2/NDF : 13371.3/21

-0.811 ± 0.058 χ^2/NDF : 64737.2/45

-5.946 ± 0.079 χ^2/NDF : 42340.6/23

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -0.823 ± 0.118 χ^2/NDF : 334.4/4

Right Out: 1.623 ± 0.066 χ^2/NDF : 1490.8/19

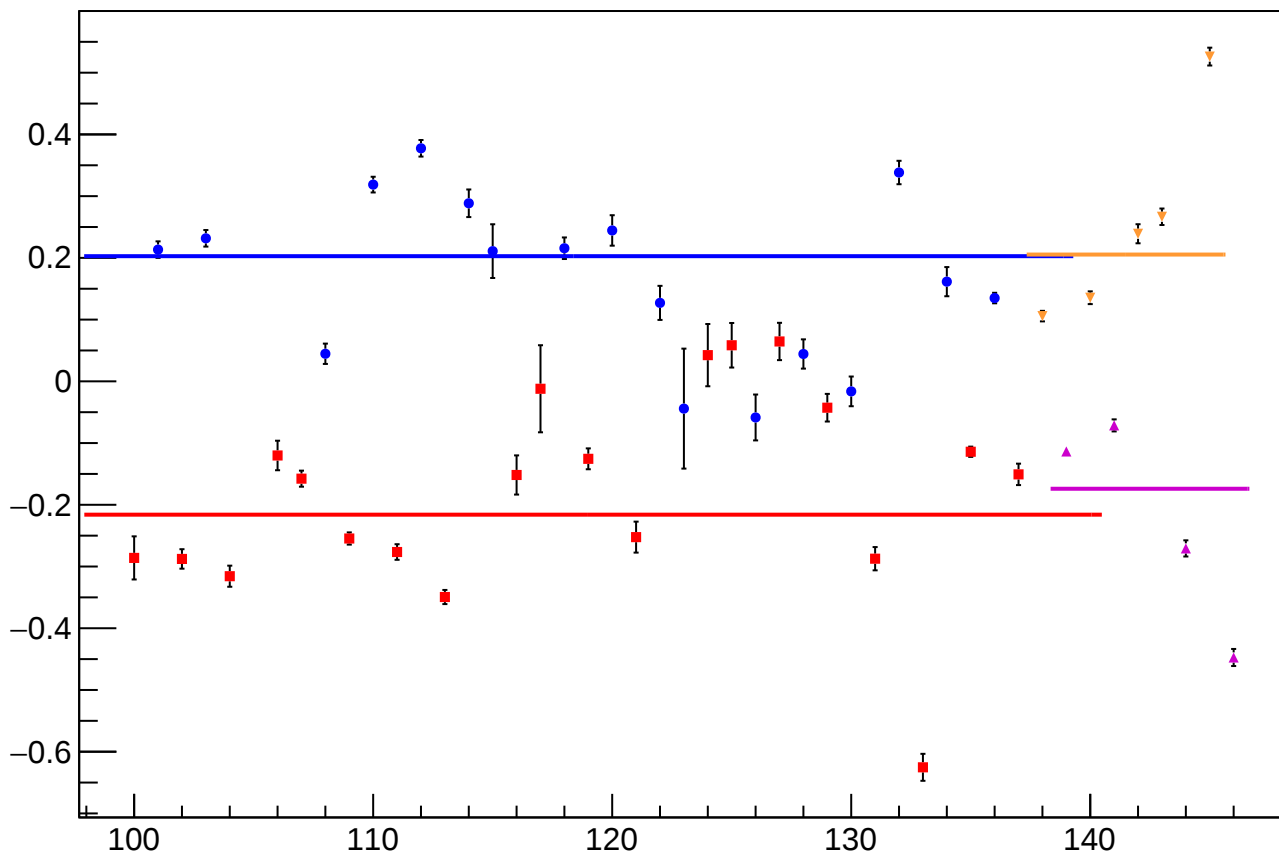
Left In: 1.776 ± 0.120 χ^2/NDF : 639.6/3

-1.465 ± 0.061 χ^2/NDF : 1694.0/21

0.185 ± 0.042 χ^2/NDF : 5214.2/45

1.658 ± 0.058 χ^2/NDF : 2131.6/23

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 676.5/16

Left Out: 0.205 $\pm$ 0.005 χ^2 /NDF: 700.5/4

Right Out: -0.216 $\pm$ 0.004 χ^2 /NDF: 1072.8/19

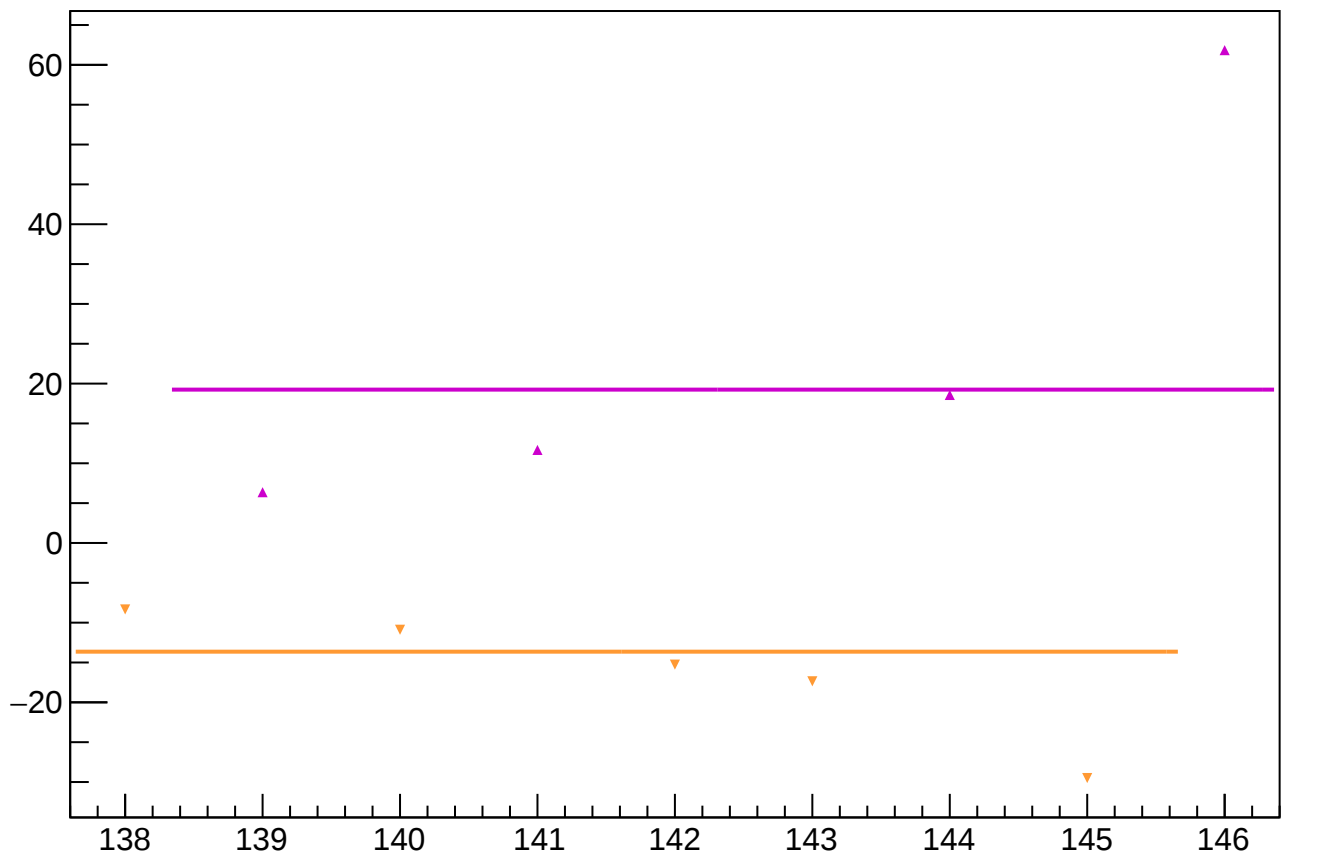
Left In: -0.174 $\pm$ 0.005 χ^2 /NDF: 611.0/3

0.204 $\pm$ 0.003 χ^2 /NDF: 1377.2/21

-0.013 $\pm$ 0.002 χ^2 /NDF: 11530.3/45

-0.202 $\pm$ 0.003 χ^2 /NDF: 1727.0/23

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.641+/-0.119 χ^2/NDF : 3071.3/4

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

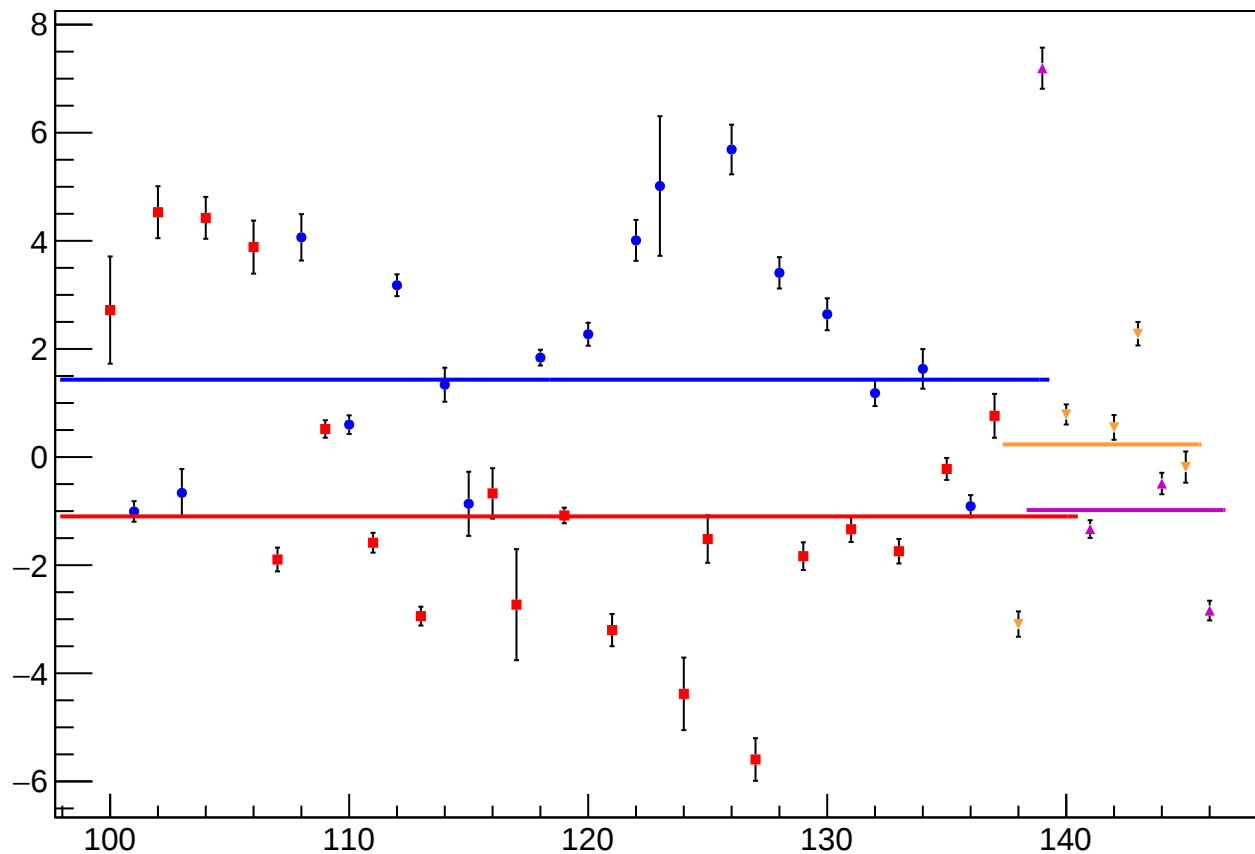
Left In: 19.245+/-0.124 χ^2/NDF : 23484.5/3

-13.641+/-0.119 χ^2/NDF : 3071.3/4

2.095+/-0.086 χ^2/NDF : 62975.2/8

19.245+/-0.124 χ^2/NDF : 23484.5/3

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 0.233 ± 0.100 χ^2/NDF : 302.8/4

Right Out: -1.098 ± 0.058 χ^2/NDF : 955.7/19

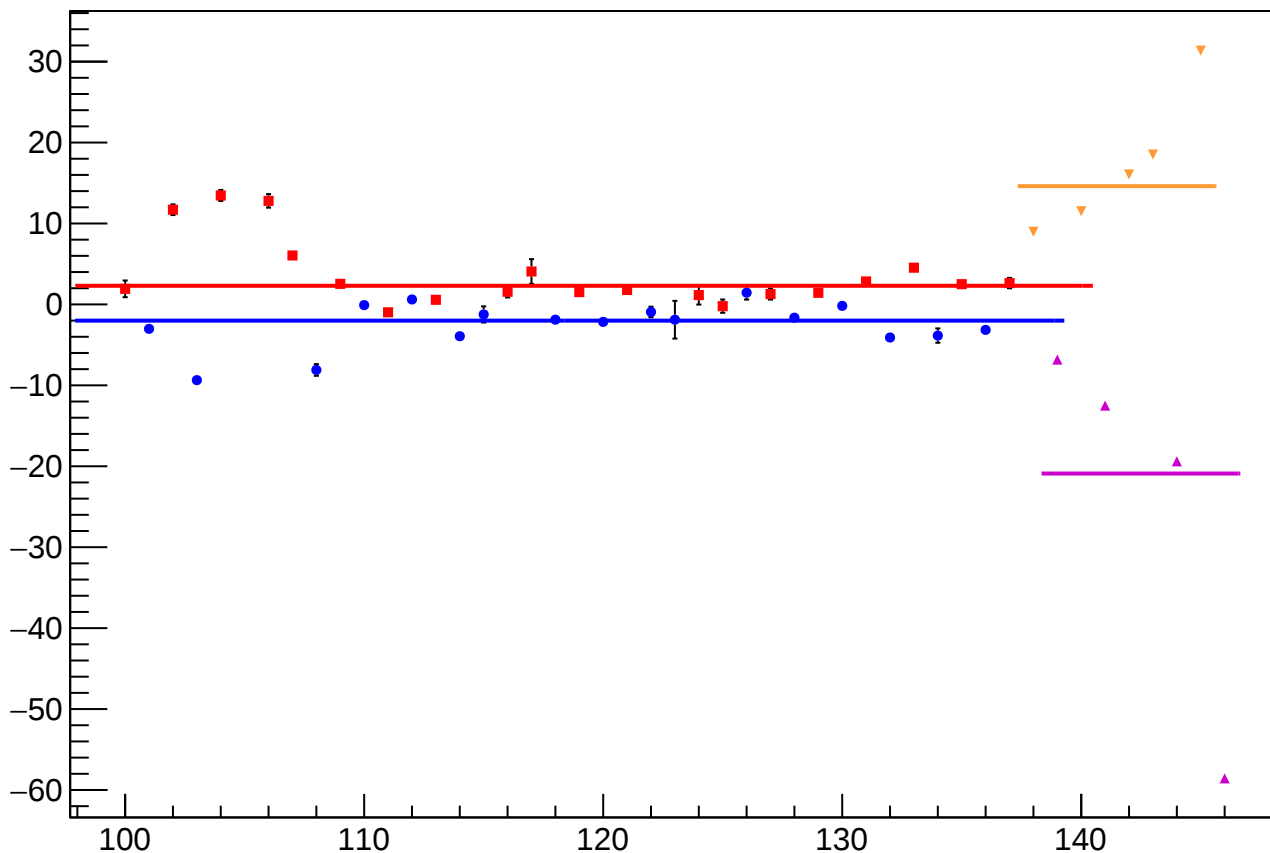
Left In: -0.980 ± 0.100 χ^2/NDF : 577.9/3

1.103 ± 0.053 χ^2/NDF : 1103.1/21

-0.036 ± 0.036 χ^2/NDF : 3533.6/45

-1.068 ± 0.050 χ^2/NDF : 1534.6/23

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 14.611 ± 0.128 χ^2/NDF : 3046.5/4

Right Out: 2.302 ± 0.098 χ^2/NDF : 908.6/19

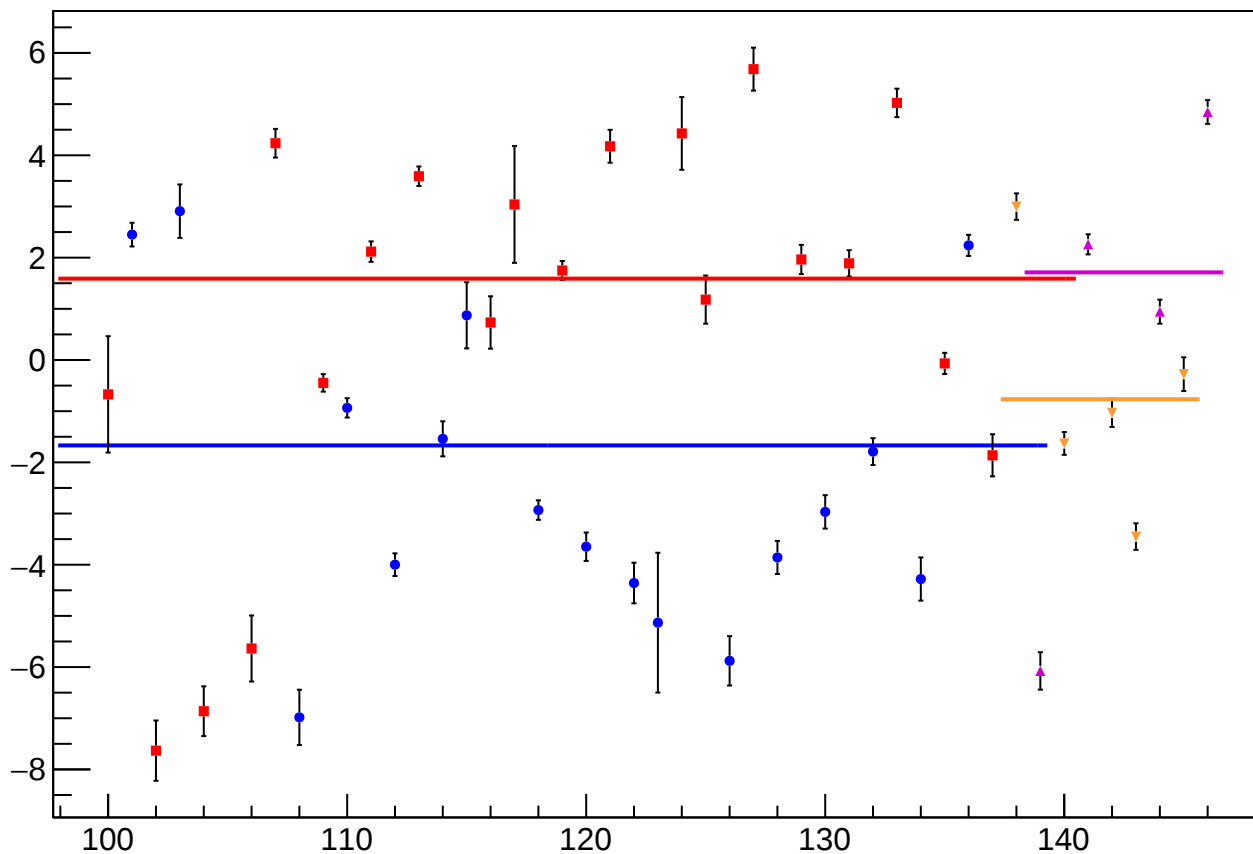
Left In: -20.897 ± 0.131 χ^2/NDF : 20980.1/3

5.119 ± 0.084 χ^2/NDF : 13165.5/21

-0.826 ± 0.057 χ^2/NDF : 64656.7/45

-6.065 ± 0.079 χ^2/NDF : 41997.0/23

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -0.767 ± 0.118 χ^2/NDF : 336.9/4

Right Out: 1.590 ± 0.065 χ^2/NDF : 1496.3/19

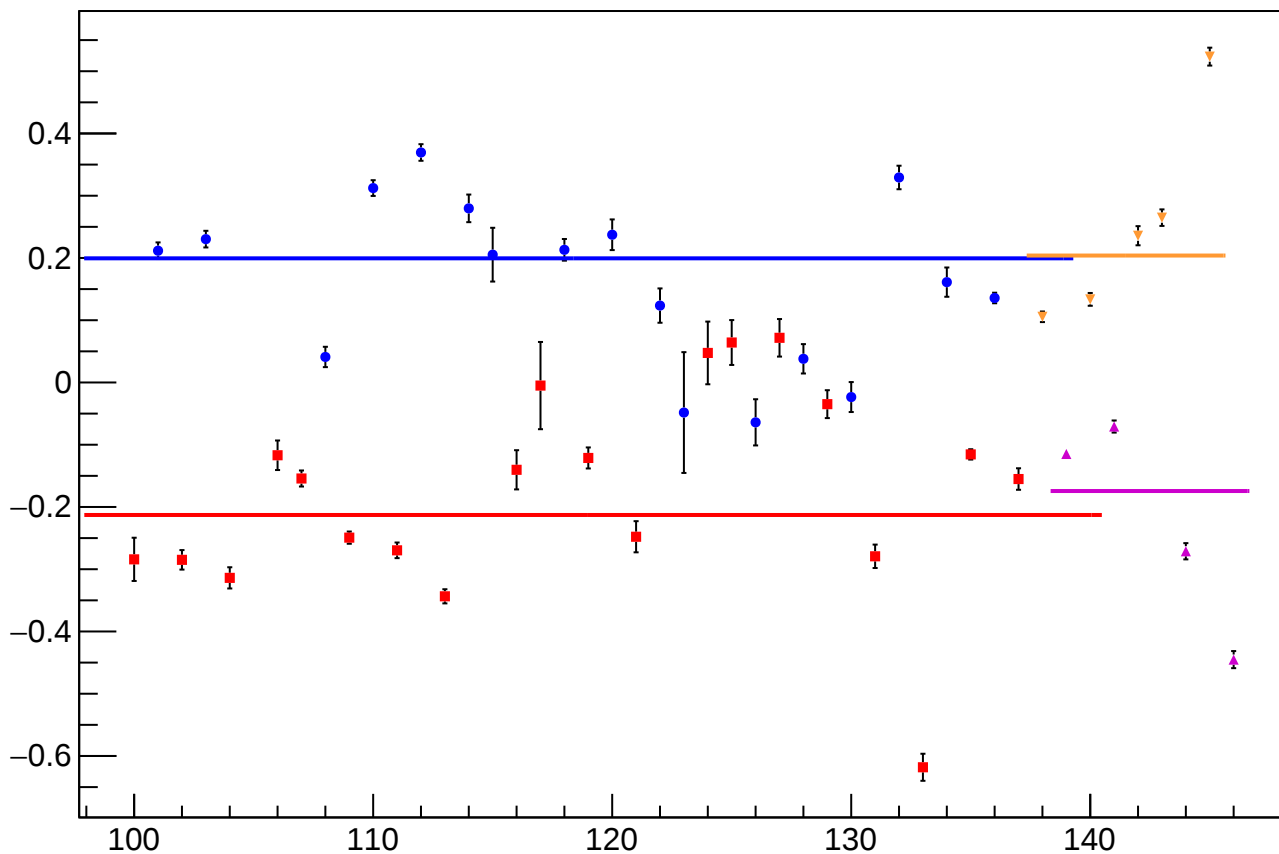
Left In: 1.712 ± 0.120 χ^2/NDF : 653.7/3

-1.429 ± 0.061 χ^2/NDF : 1695.1/21

0.181 ± 0.042 χ^2/NDF : 5180.5/45

1.618 ± 0.057 χ^2/NDF : 2150.8/23

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199+/-0.004 χ^2/NDF : 662.1/16

Left Out: 0.204+/-0.005 χ^2/NDF : 699.6/4

Right Out: -0.213+/-0.004 χ^2/NDF : 1057.0/19

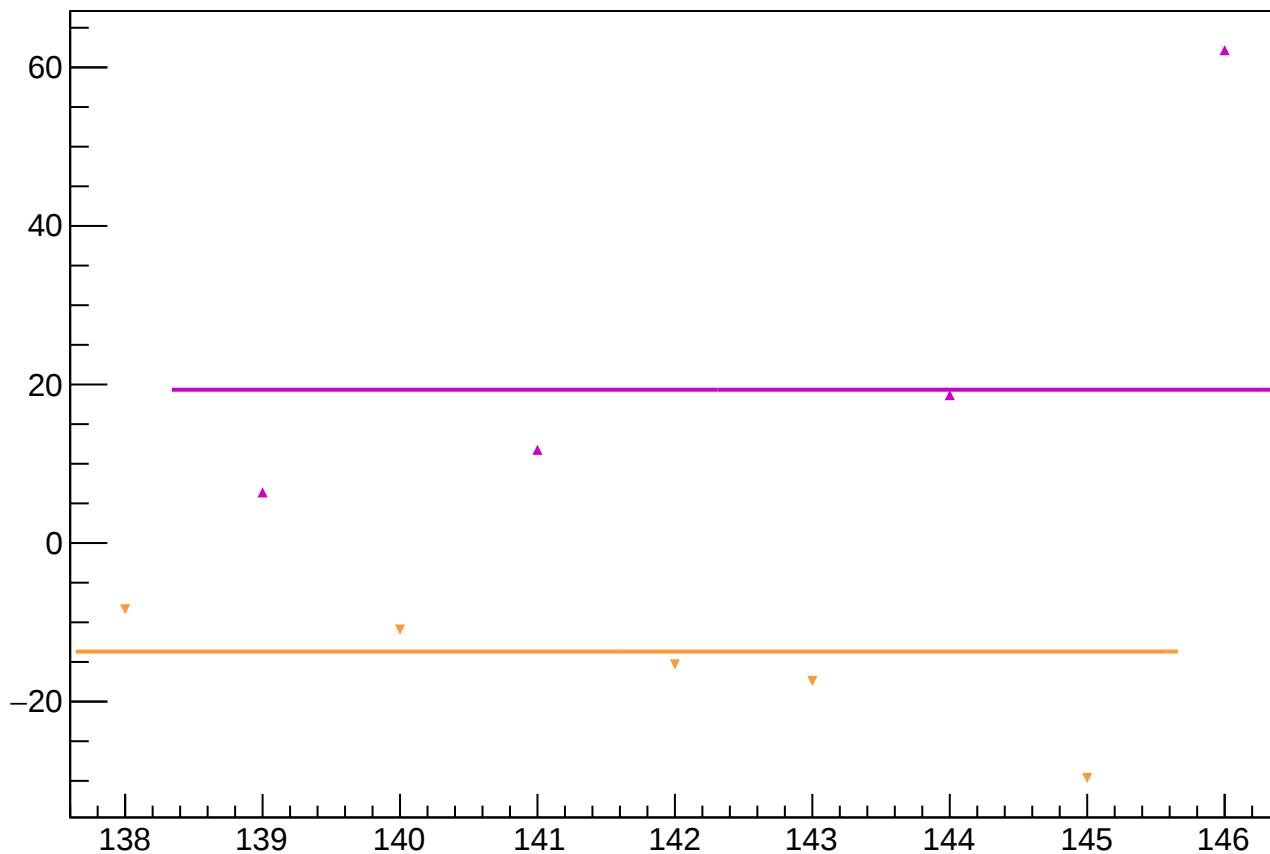
Left In: -0.174+/-0.005 χ^2/NDF : 612.1/3

0.201+/-0.003 χ^2/NDF : 1362.1/21

-0.013+/-0.002 χ^2/NDF : 11383.5/45

-0.200+/-0.003 χ^2/NDF : 1705.7/23

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.690 $\pm$ 0.120 χ^2 /NDF: 3077.3/4

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

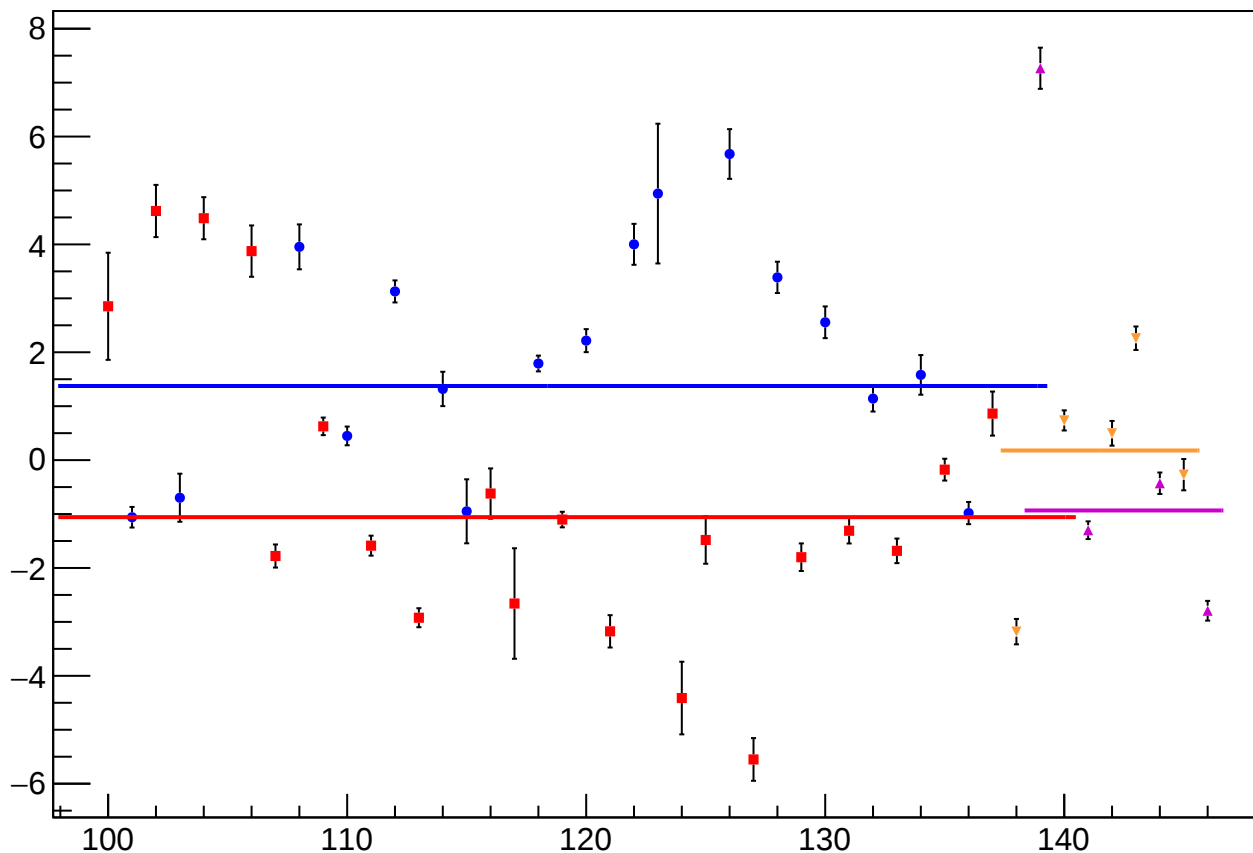
Left In: 19.342 $\pm$ 0.125 χ^2 /NDF: 23524.9/3

-13.690 $\pm$ 0.120 χ^2 /NDF: 3077.3/4

2.120 $\pm$ 0.086 χ^2 /NDF: 63025.2/8

19.342 $\pm$ 0.125 χ^2 /NDF: 23524.9/3

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: 0.179 ± 0.101 $\chi^2/\text{NDF}: 307.8/4$

Right Out: -1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

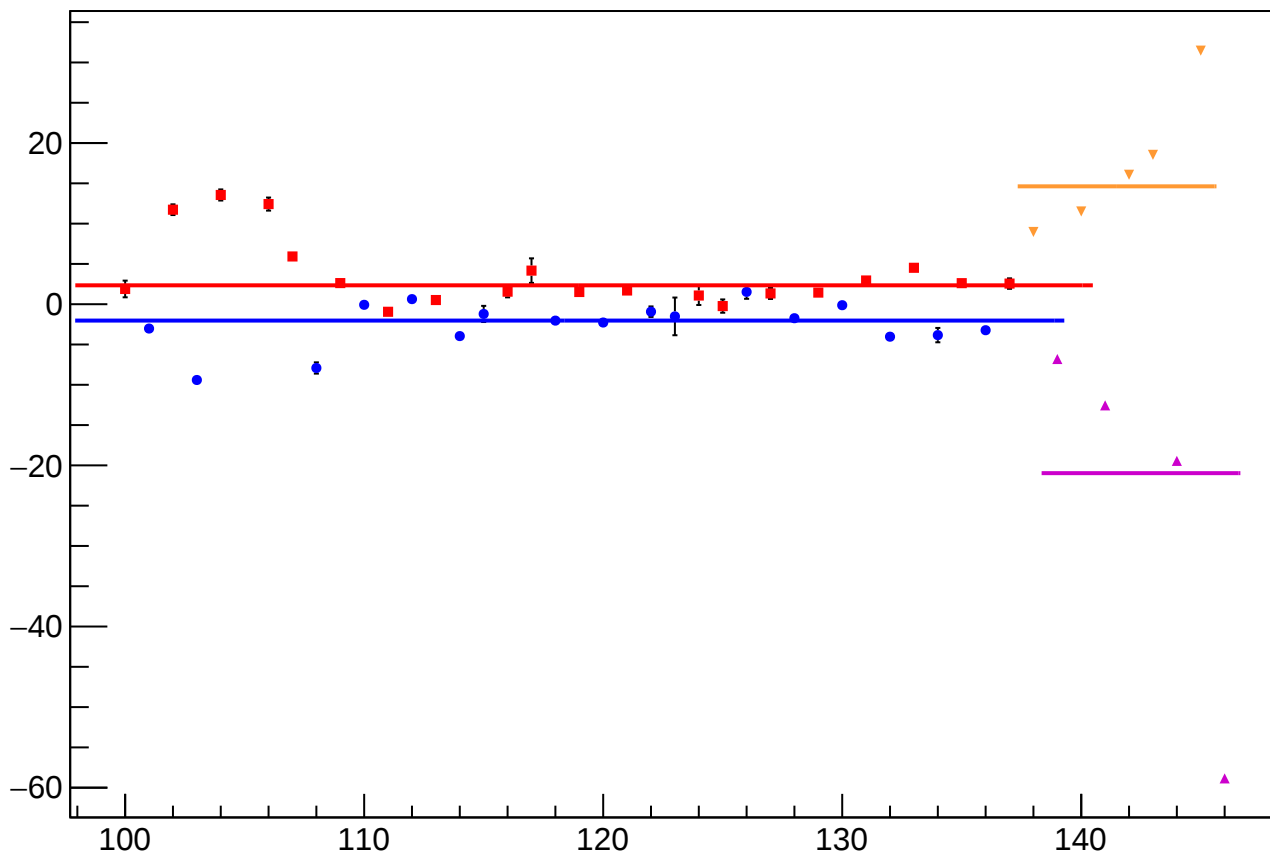
Left In: -0.933 ± 0.101 $\chi^2/\text{NDF}: 576.6/3$

1.046 ± 0.053 $\chi^2/\text{NDF}: 1112.6/21$

-0.042 ± 0.036 $\chi^2/\text{NDF}: 3467.3/45$

-1.027 ± 0.050 $\chi^2/\text{NDF}: 1544.2/23$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 14.628 ± 0.128 χ^2/NDF : 3050.4/4

Right Out: 2.344 ± 0.099 χ^2/NDF : 903.4/19

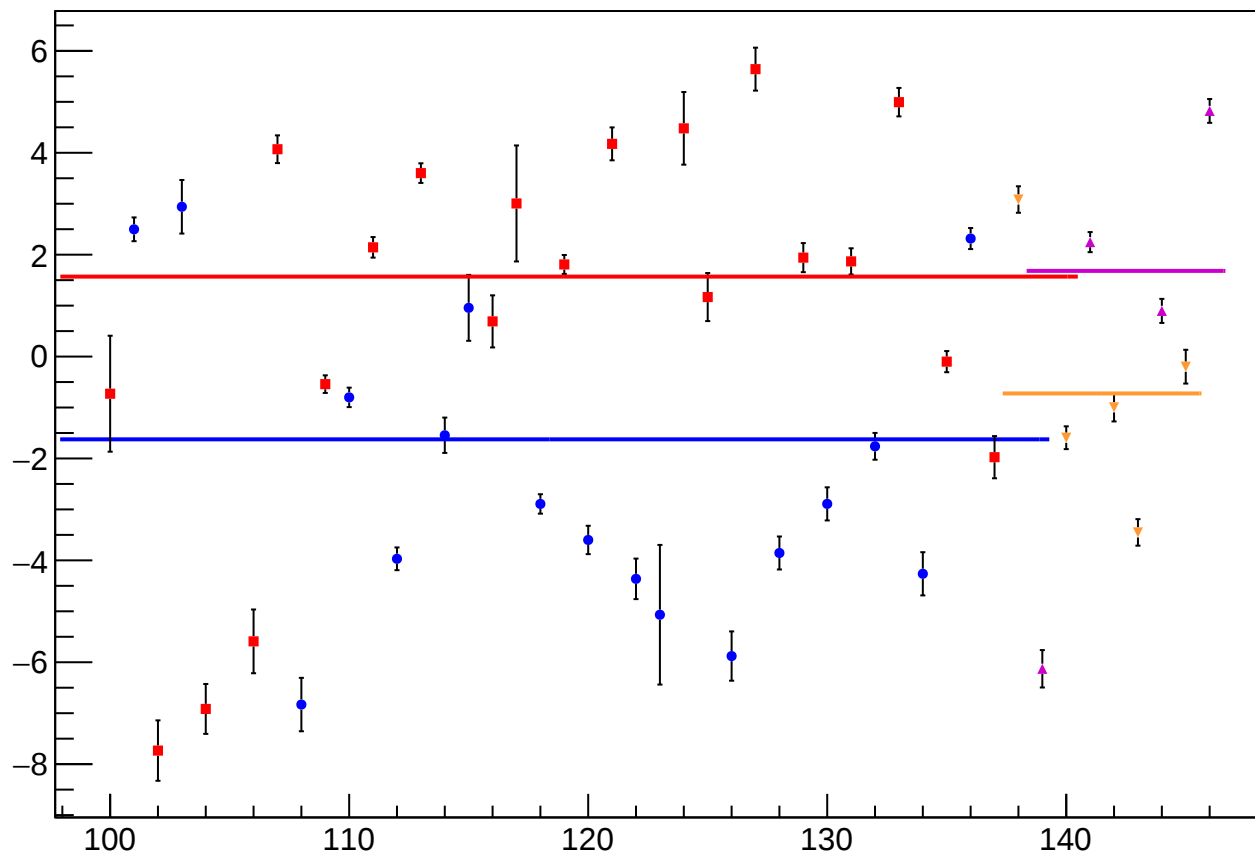
Left In: -20.966 ± 0.131 χ^2/NDF : 21020.0/3

5.117 ± 0.084 χ^2/NDF : 13125.9/21

-0.831 ± 0.058 χ^2/NDF : 64576.3/45

-6.070 ± 0.079 χ^2/NDF : 42042.2/23

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -0.724 ± 0.118 χ^2/NDF : 342.7/4

Right Out: 1.570 ± 0.065 χ^2/NDF : 1507.4/19

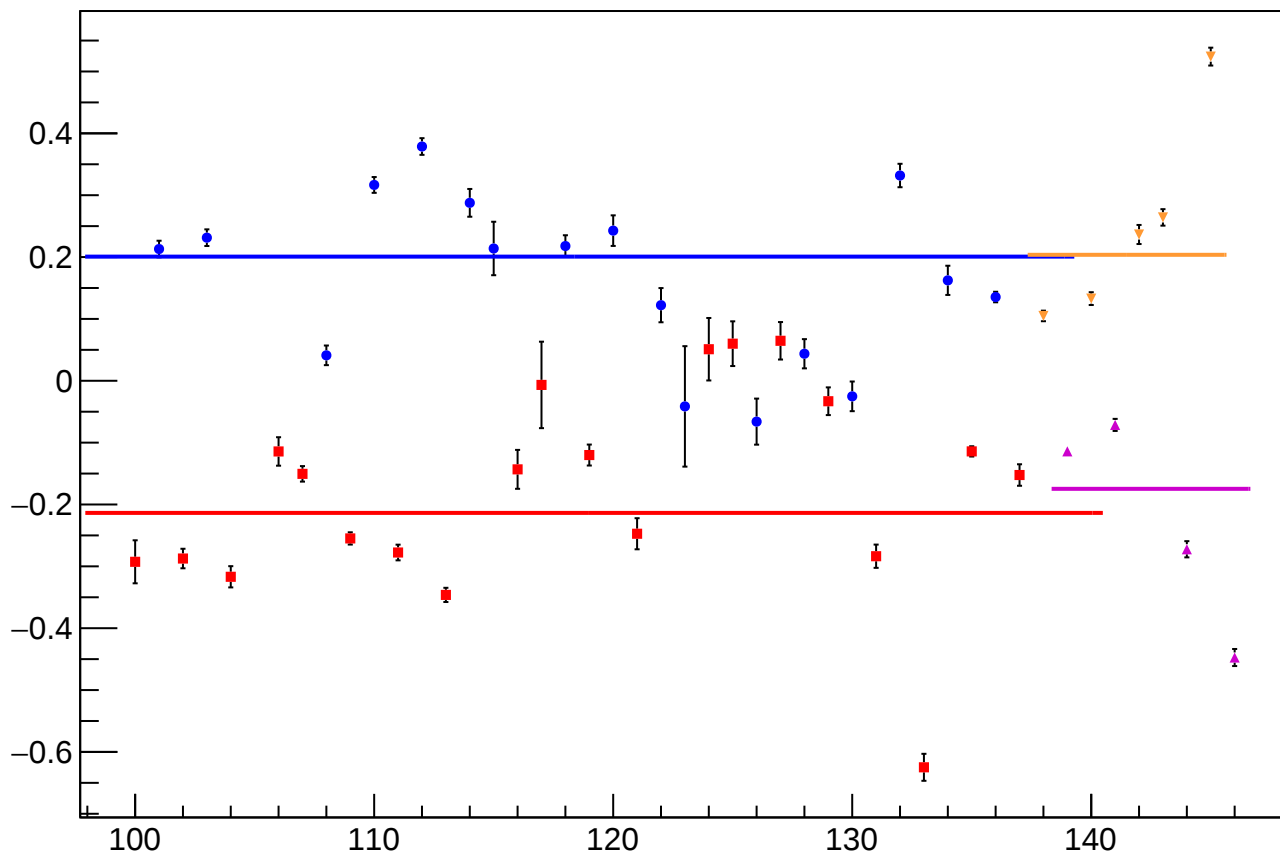
Left In: 1.682 ± 0.120 χ^2/NDF : 652.2/3

-1.385 ± 0.061 χ^2/NDF : 1706.2/21

0.192 ± 0.042 χ^2/NDF : 5132.6/45

1.595 ± 0.057 χ^2/NDF : 2160.2/23

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2/NDF : 690.6/16

Left Out: 0.204 $\pm$ 0.005 χ^2/NDF : 697.5/4

Right Out: -0.214 $\pm$ 0.004 χ^2/NDF : 1089.2/19

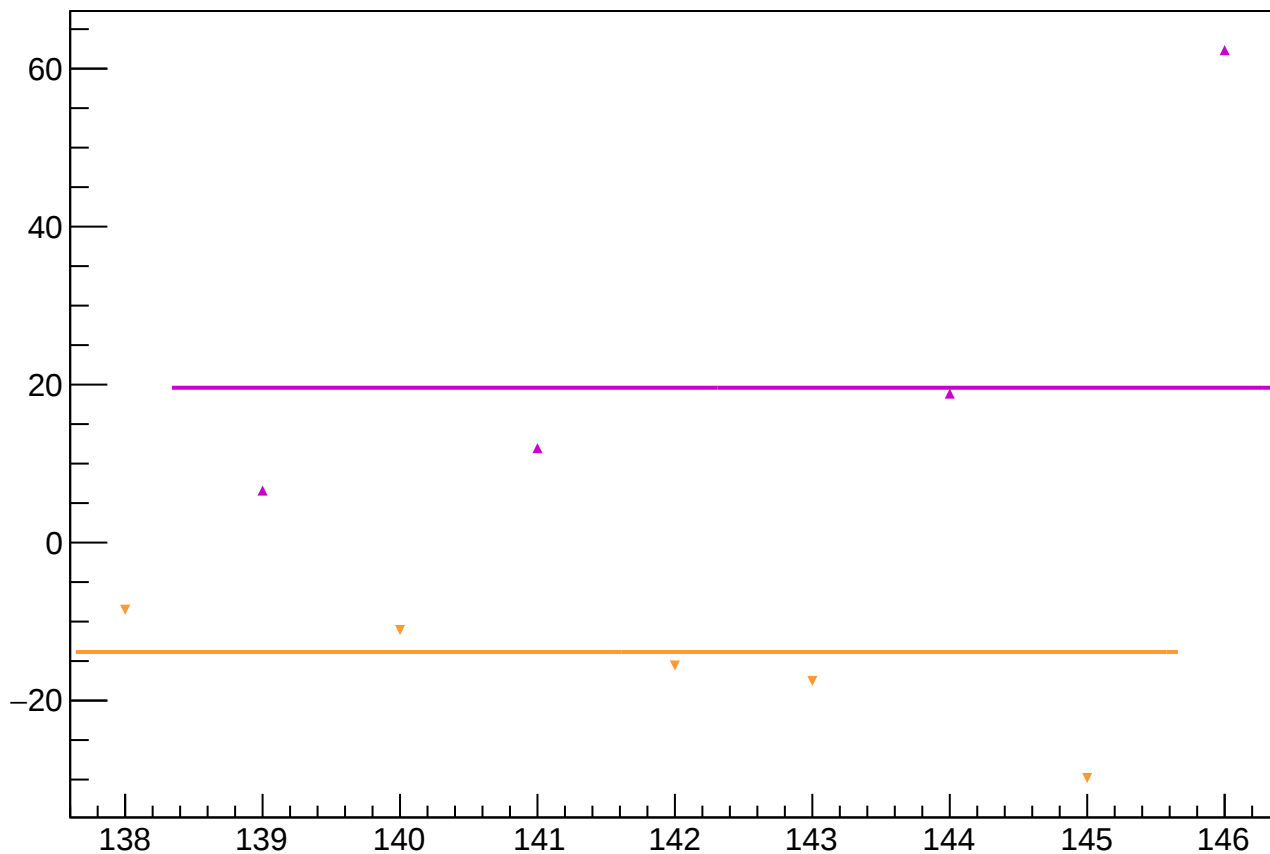
Left In: -0.175 $\pm$ 0.005 χ^2/NDF : 614.4/3

0.202 $\pm$ 0.003 χ^2/NDF : 1388.3/21

-0.014 $\pm$ 0.002 χ^2/NDF : 11444.3/45

-0.201 $\pm$ 0.003 χ^2/NDF : 1740.7/23

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.848+/-0.121 χ^2/NDF : 3036.6/4

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

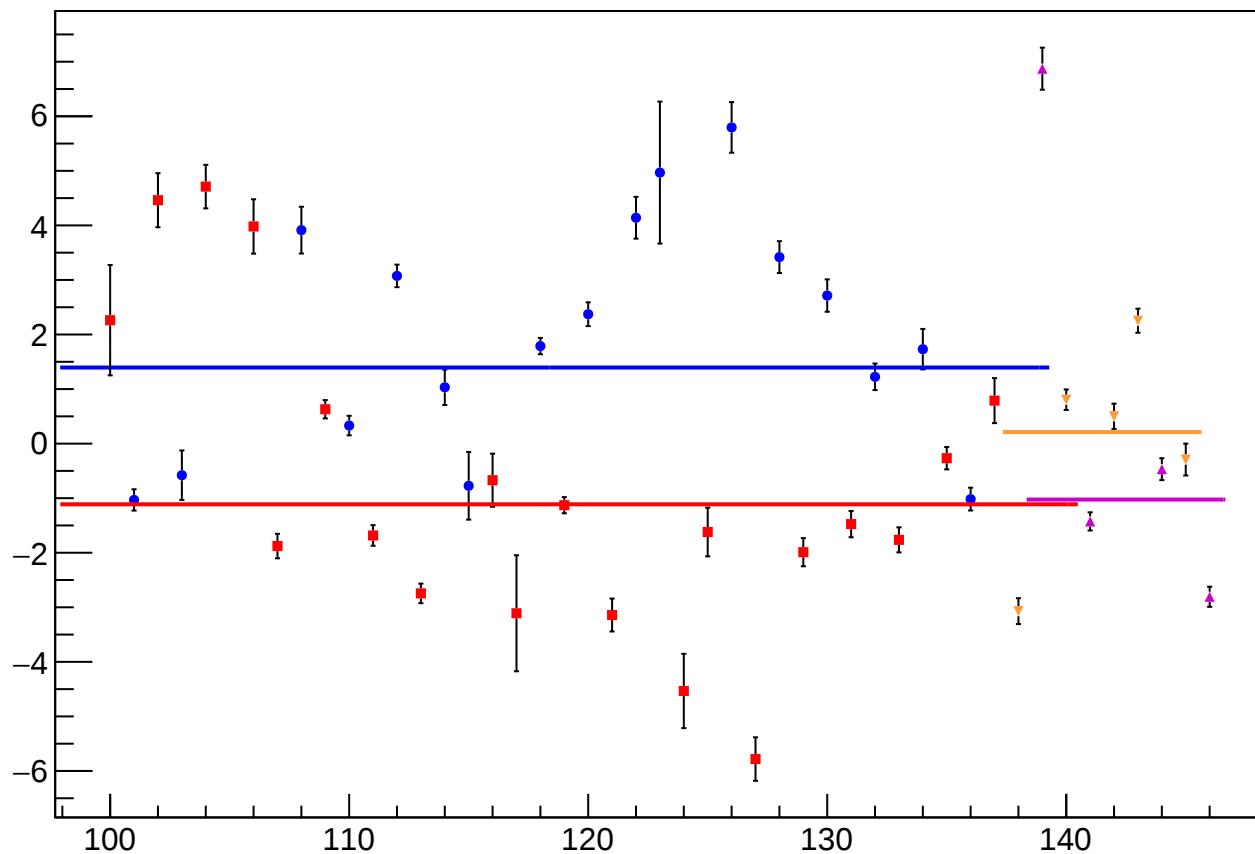
Left In: 19.603+/-0.126 χ^2/NDF : 23166.1/3

-13.848+/-0.121 χ^2/NDF : 3036.6/4

2.150+/-0.087 χ^2/NDF : 62844.2/8

19.603+/-0.126 χ^2/NDF : 23166.1/3

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 ± 0.063 χ^2/NDF : 701.4/16

Left Out: 0.212 ± 0.102 χ^2/NDF : 291.2/4

Right Out: -1.112 ± 0.059 χ^2/NDF : 940.5/19

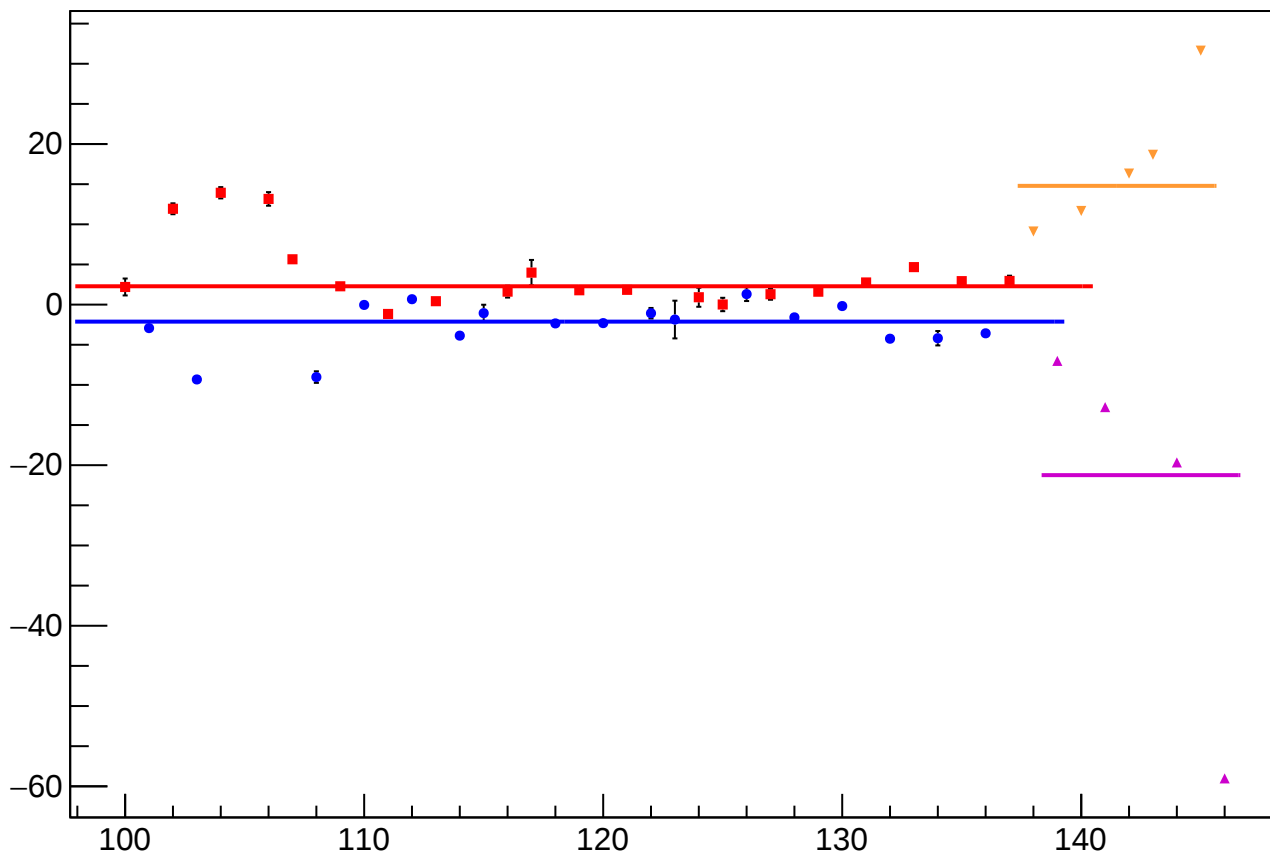
Left In: -1.025 ± 0.102 χ^2/NDF : 526.5/3

1.066 ± 0.054 χ^2/NDF : 1090.5/21

-0.063 ± 0.037 χ^2/NDF : 3405.8/45

-1.090 ± 0.051 χ^2/NDF : 1467.5/23

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 14.792 ± 0.130 χ^2/NDF : 3010.3/4

Right Out: 2.284 ± 0.101 χ^2/NDF : 920.6/19

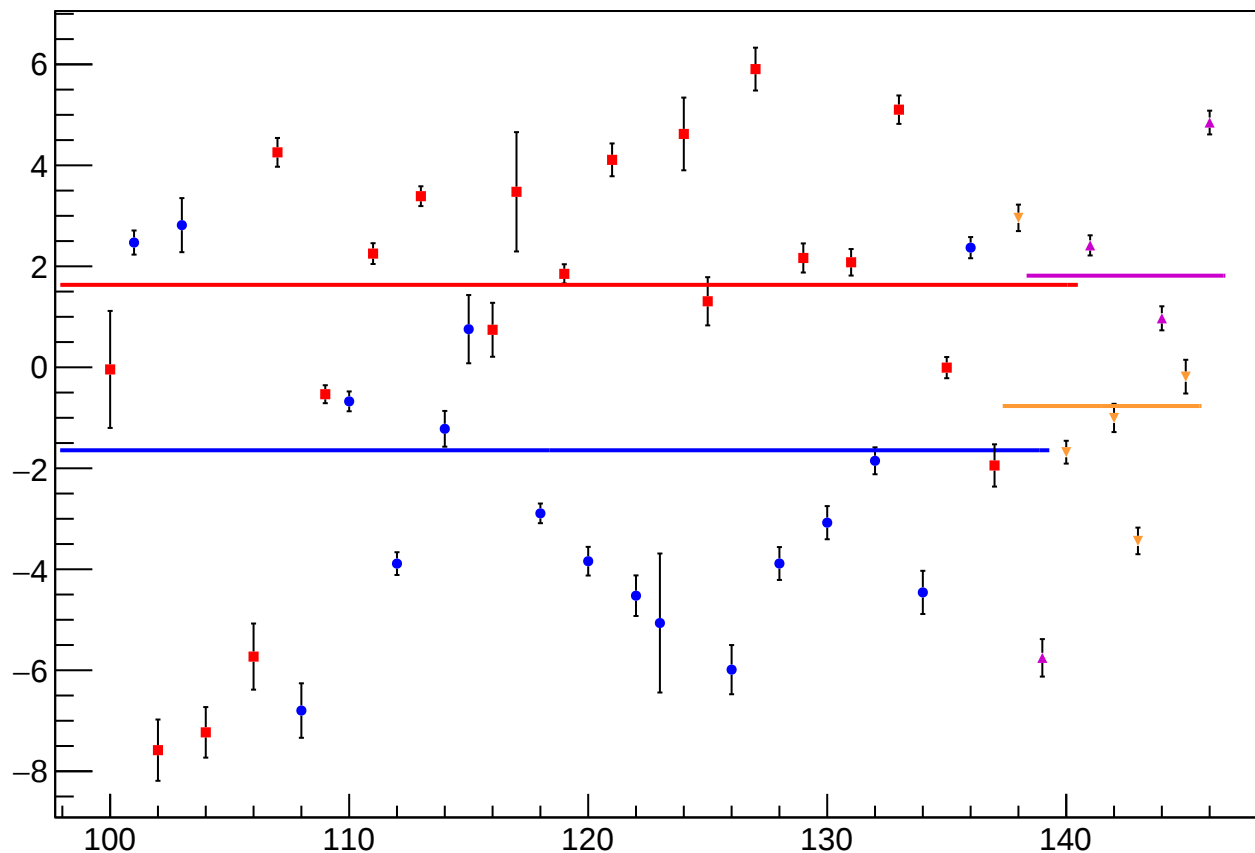
Left In: -21.240 ± 0.133 χ^2/NDF : 20678.6/3

5.209 ± 0.085 χ^2/NDF : 13149.9/21

-0.909 ± 0.058 χ^2/NDF : 64378.2/45

-6.328 ± 0.080 χ^2/NDF : 41526.2/23

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643 ± 0.072 $\chi^2/\text{NDF}: 1310.1/16$

Left Out: -0.767 ± 0.119 $\chi^2/\text{NDF}: 325.3/4$

Right Out: 1.633 ± 0.067 $\chi^2/\text{NDF}: 1470.6/19$

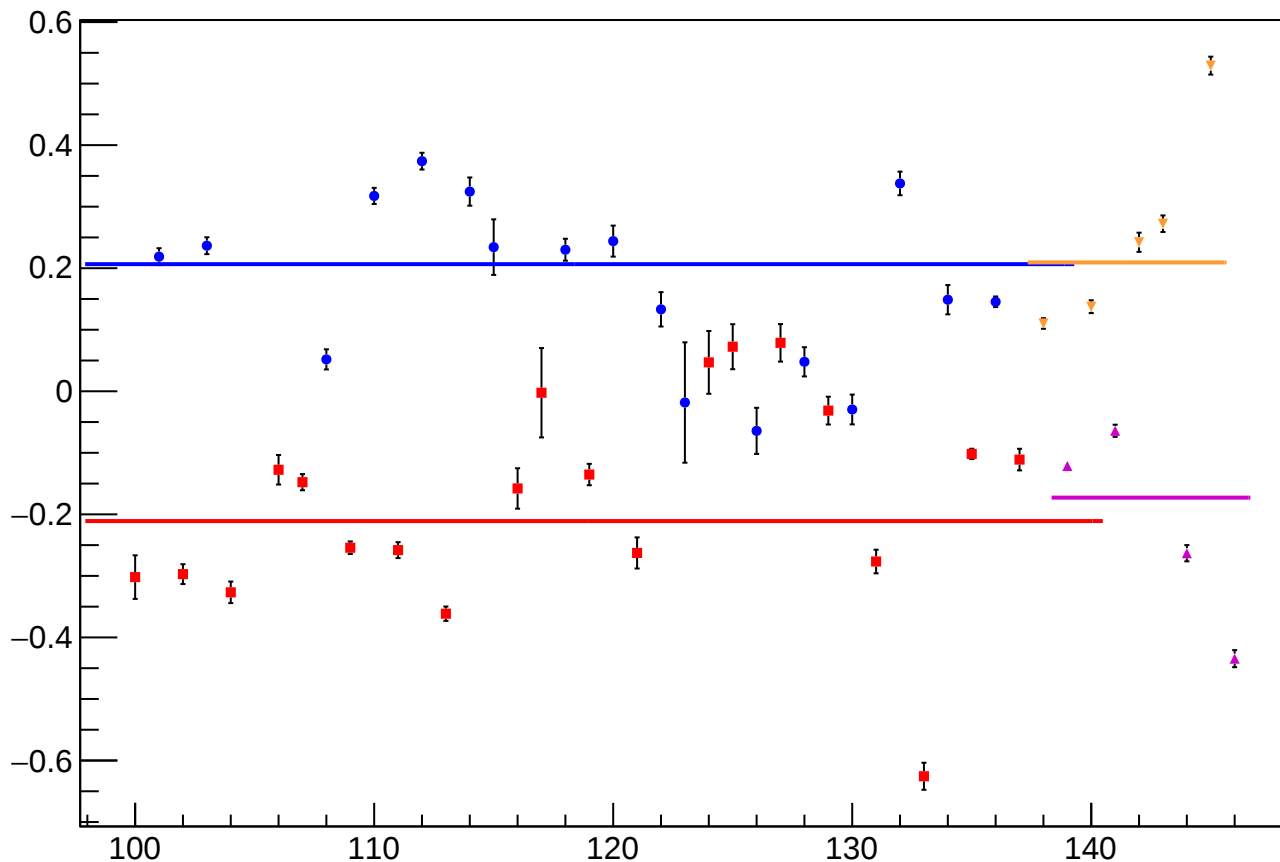
Left In: 1.815 ± 0.121 $\chi^2/\text{NDF}: 603.8/3$

-1.407 ± 0.062 $\chi^2/\text{NDF}: 1674.8/21$

0.220 ± 0.043 $\chi^2/\text{NDF}: 5061.4/45$

1.676 ± 0.059 $\chi^2/\text{NDF}: 2076.1/23$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.209 ± 0.005 χ^2/NDF : 689.4/4

Right Out: -0.211 ± 0.004 χ^2/NDF : 1153.8/19

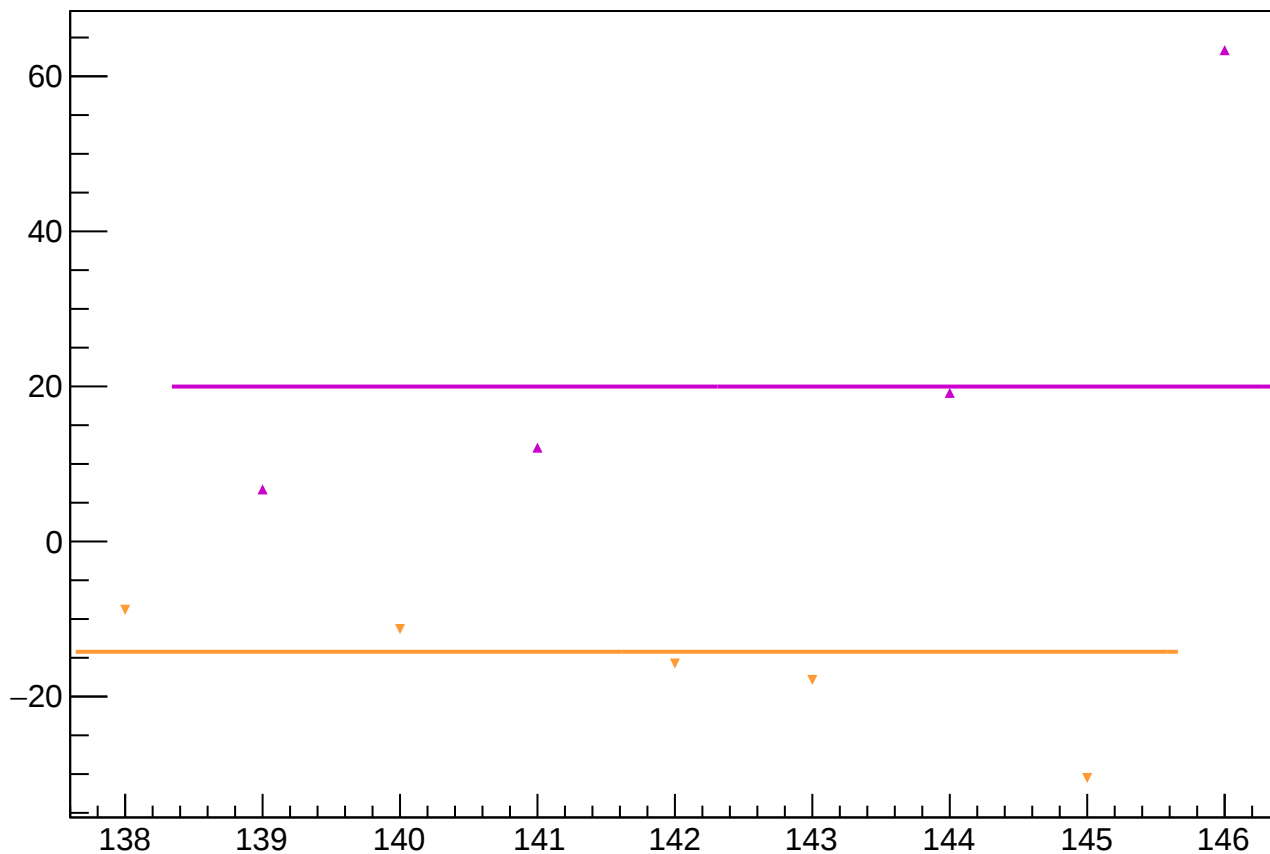
Left In: -0.173 ± 0.005 χ^2/NDF : 562.3/3

0.208 ± 0.003 χ^2/NDF : 1344.6/21

-0.009 ± 0.002 χ^2/NDF : 11285.4/45

-0.198 ± 0.003 χ^2/NDF : 1750.8/23

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -14.225+/-0.123 χ^2/NDF : 3026.6/4

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

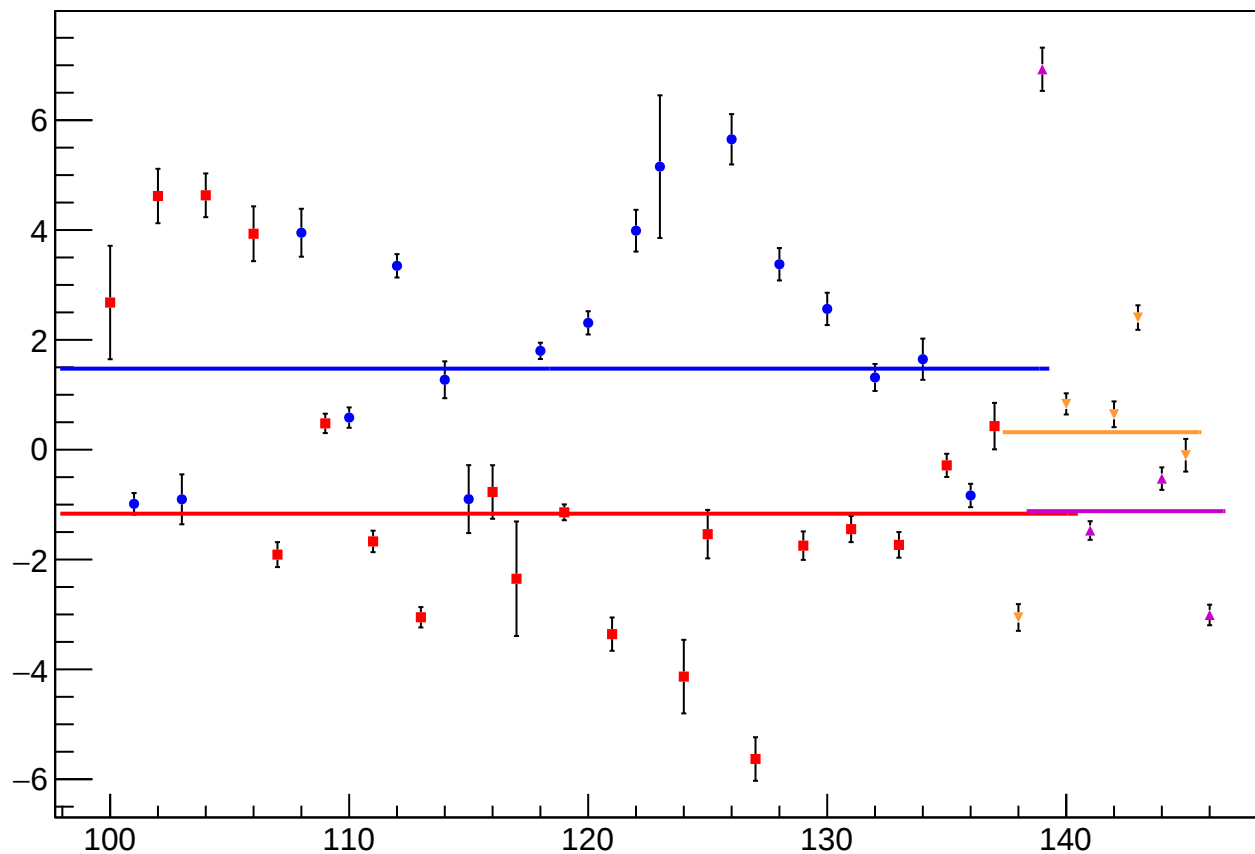
Left In: 19.983+/-0.129 χ^2/NDF : 23148.1/3

-14.225+/-0.123 χ^2/NDF : 3026.6/4

2.175+/-0.089 χ^2/NDF : 62984.9/8

19.983+/-0.129 χ^2/NDF : 23148.1/3

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 $\pm$ 0.064 χ^2/NDF : 659.7/16

Left Out: 0.319 $\pm$ 0.103 χ^2/NDF : 290.4/4

Right Out: -1.165 $\pm$ 0.060 χ^2/NDF : 919.2/19

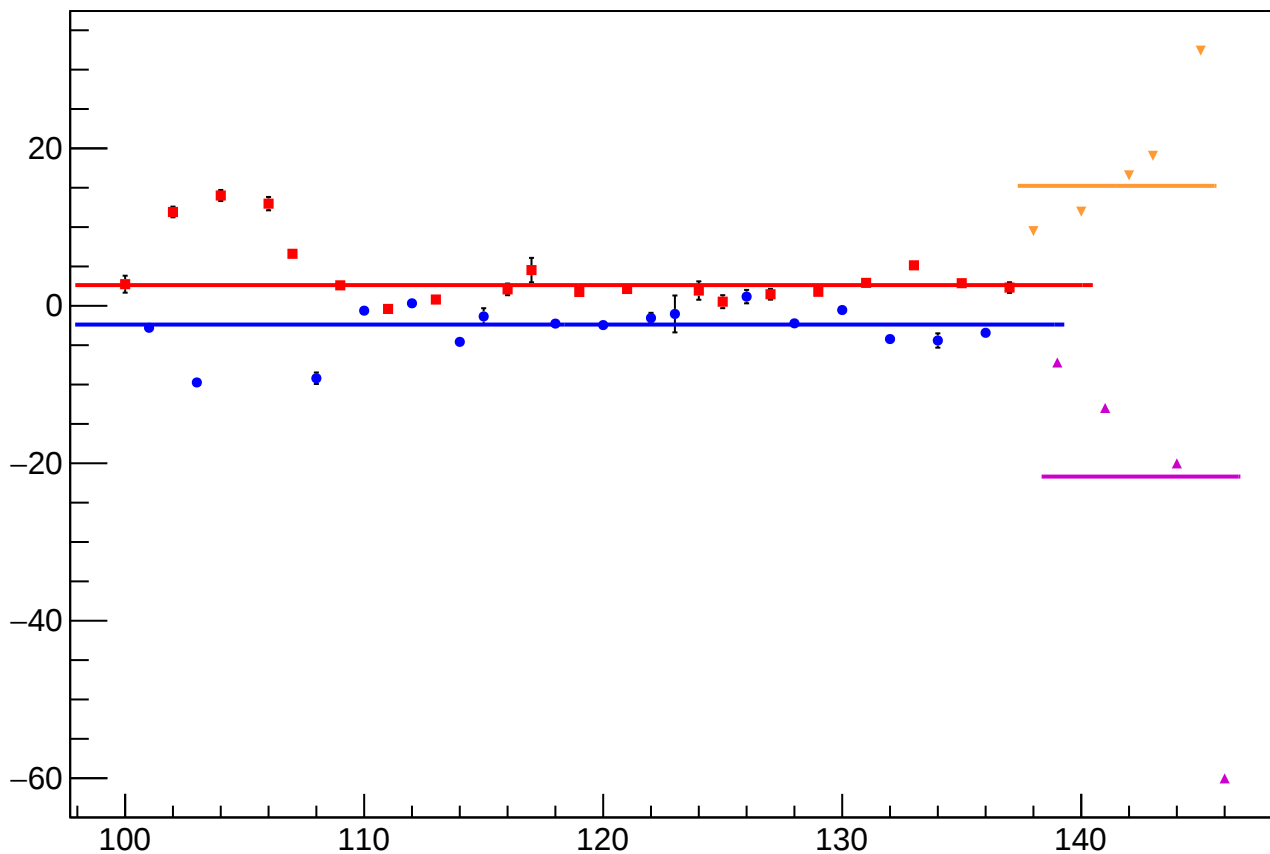
Left In: -1.119 $\pm$ 0.103 χ^2/NDF : 532.4/3

1.159 $\pm$ 0.054 χ^2/NDF : 1040.7/21

-0.049 $\pm$ 0.037 χ^2/NDF : 3444.0/45

-1.154 $\pm$ 0.052 χ^2/NDF : 1451.7/23

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 15.241 ± 0.132 χ^2/NDF : 2999.7/4

Right Out: 2.631 ± 0.103 χ^2/NDF : 842.8/19

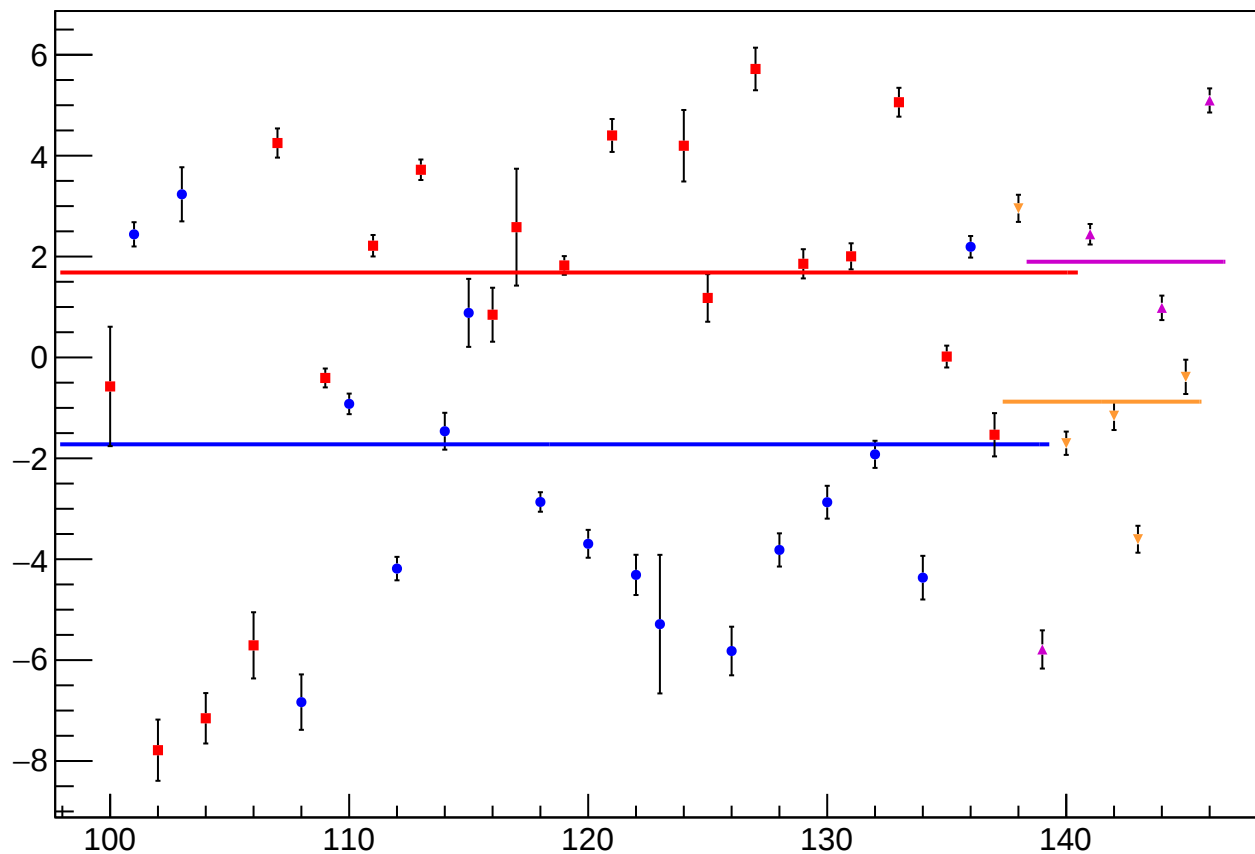
Left In: -21.689 ± 0.135 χ^2/NDF : 20650.8/3

5.203 ± 0.087 χ^2/NDF : 13537.3/21

-0.882 ± 0.060 χ^2/NDF : 64792.7/45

-6.304 ± 0.082 χ^2/NDF : 41965.1/23

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 $\chi^2/\text{NDF}: 1247.6/16$

Left Out: -0.876 ± 0.122 $\chi^2/\text{NDF}: 323.3/4$

Right Out: 1.684 ± 0.068 $\chi^2/\text{NDF}: 1431.6/19$

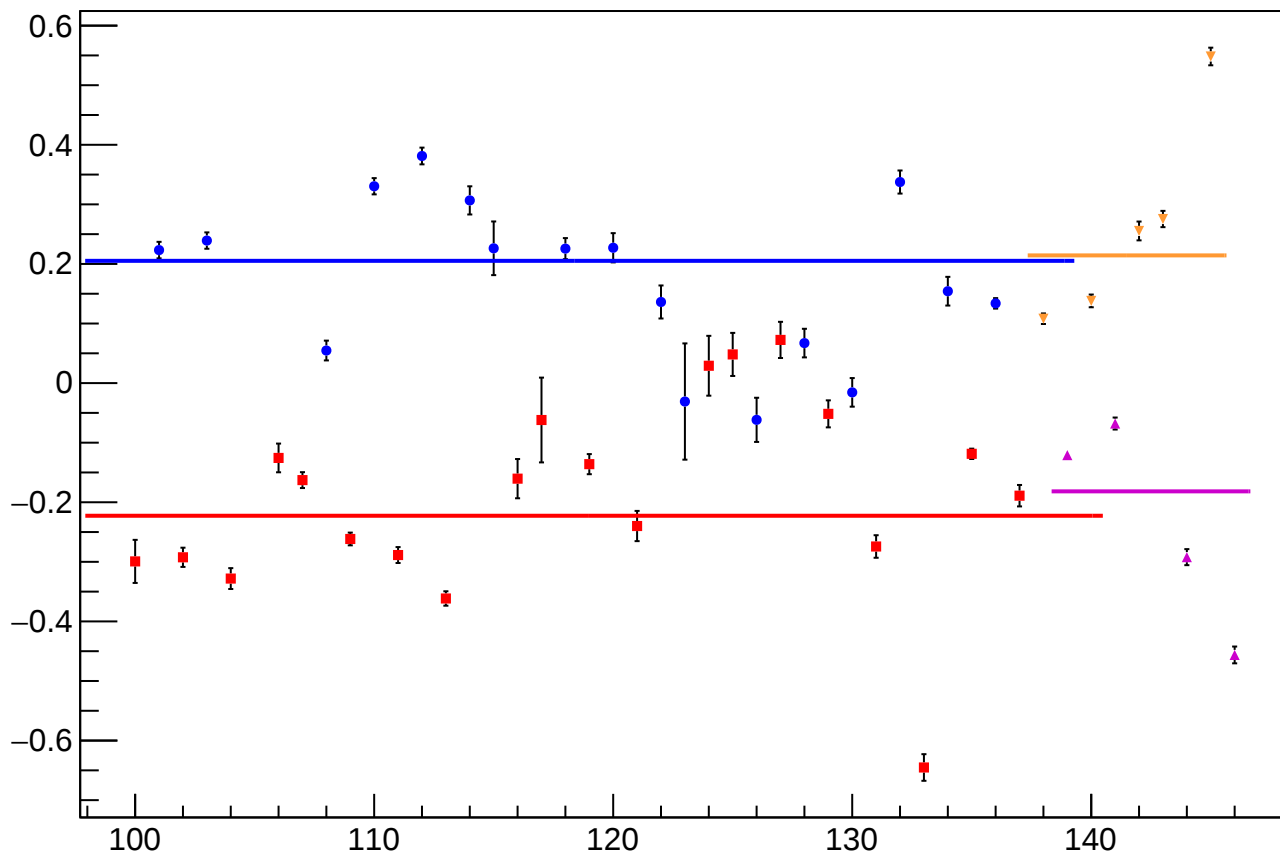
Left In: 1.897 ± 0.123 $\chi^2/\text{NDF}: 611.9/3$

-1.497 ± 0.063 $\chi^2/\text{NDF}: 1606.5/21$

0.203 ± 0.043 $\chi^2/\text{NDF}: 5051.7/45$

1.733 ± 0.059 $\chi^2/\text{NDF}: 2045.8/23$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 $\pm$ 0.004 χ^2 /NDF: 650.7/16

Left Out: 0.214 $\pm$ 0.005 χ^2 /NDF: 730.6/4

Right Out: -0.223 $\pm$ 0.004 χ^2 /NDF: 1045.6/19

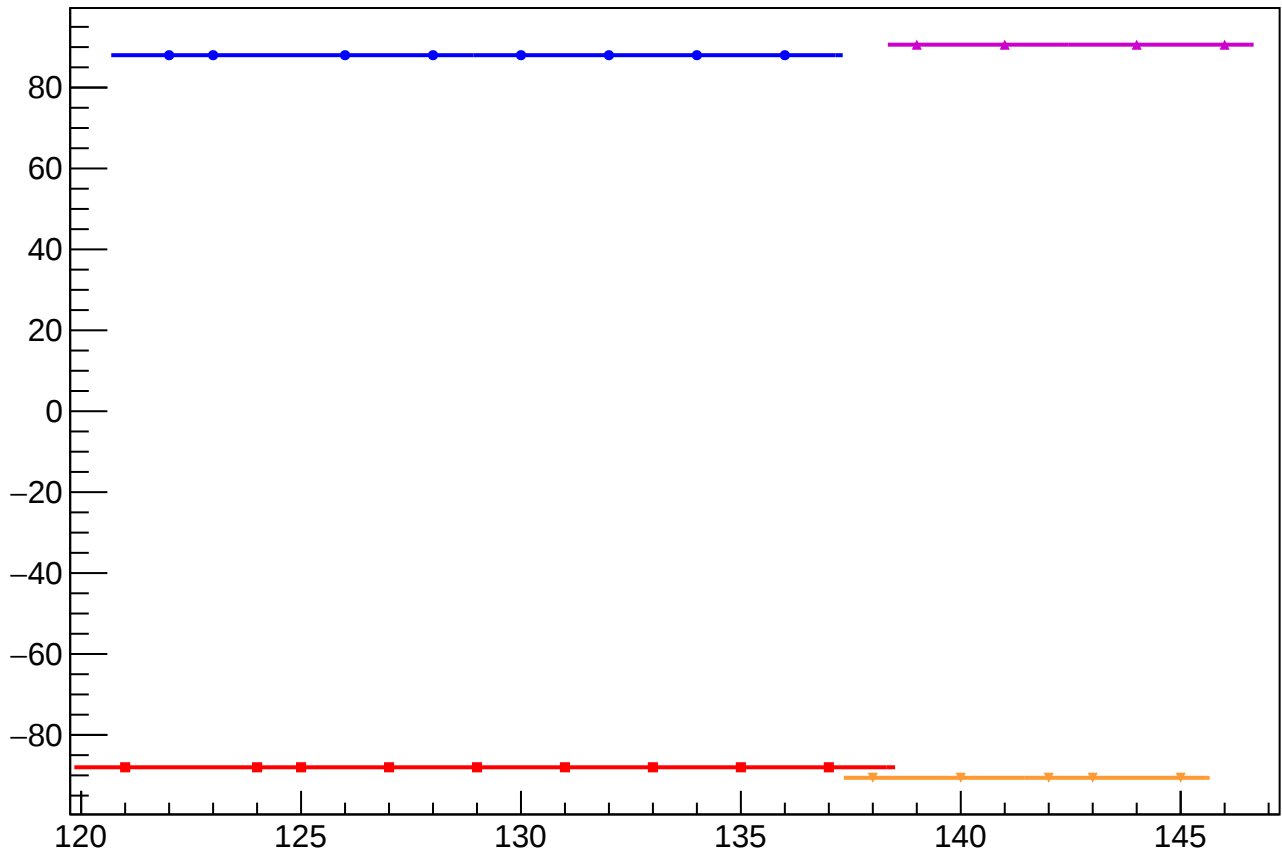
Left In: -0.182 $\pm$ 0.005 χ^2 /NDF: 626.9/3

0.209 $\pm$ 0.003 χ^2 /NDF: 1383.1/21

-0.014 $\pm$ 0.002 χ^2 /NDF: 11462.2/45

-0.209 $\pm$ 0.003 χ^2 /NDF: 1711.0/23

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 2563532.9/4

Right Out: -88.001 $\pm$ 0.000 χ^2 /NDF: 109456.0/8

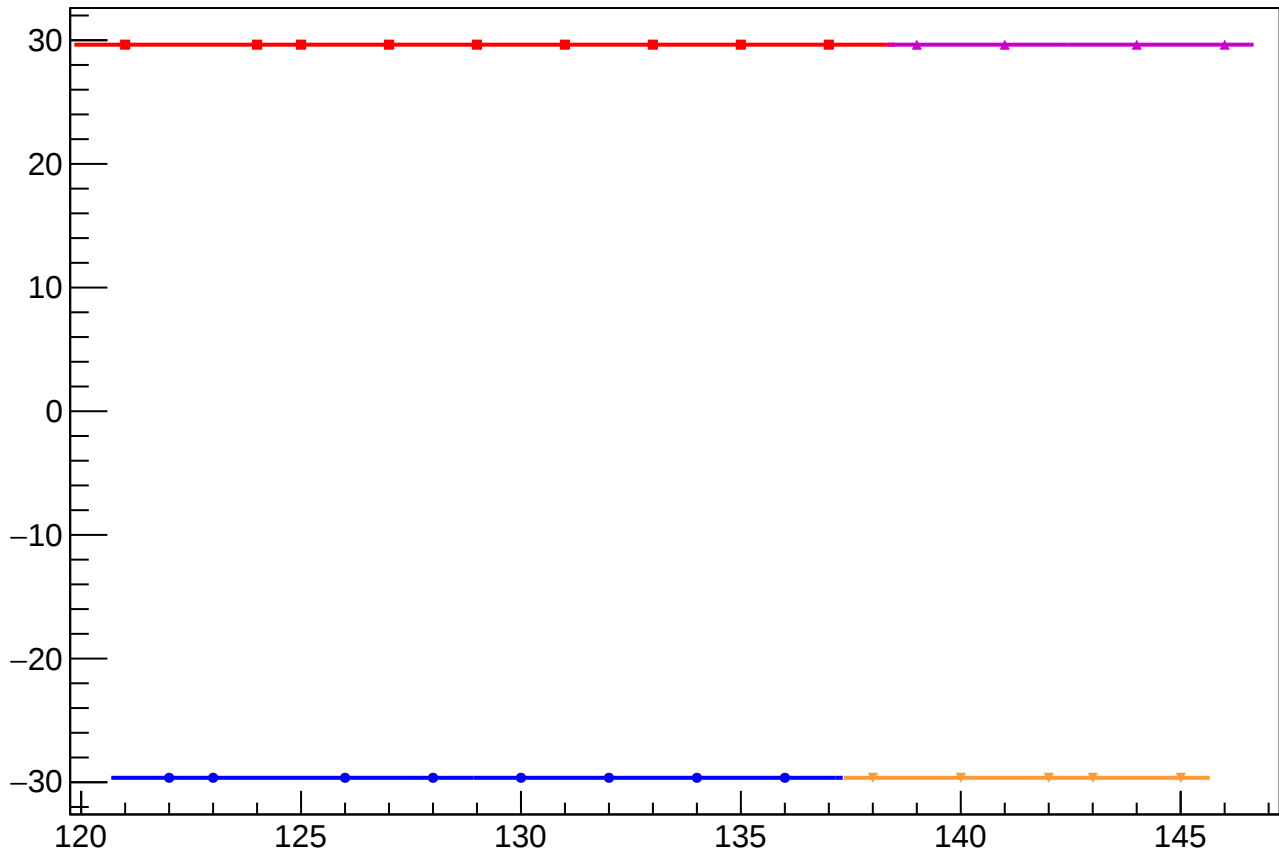
Left In: 90.599 $\pm$ 0.000 χ^2 /NDF: 291815.4/3

-2.713 $\pm$ 0.000 χ^2 /NDF: 554088218555395317

0.023 $\pm$ 0.000 χ^2 /NDF: 10733296186781

2.948 $\pm$ 0.000 χ^2 /NDF: 5181651843753839458

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 154339.1/4

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

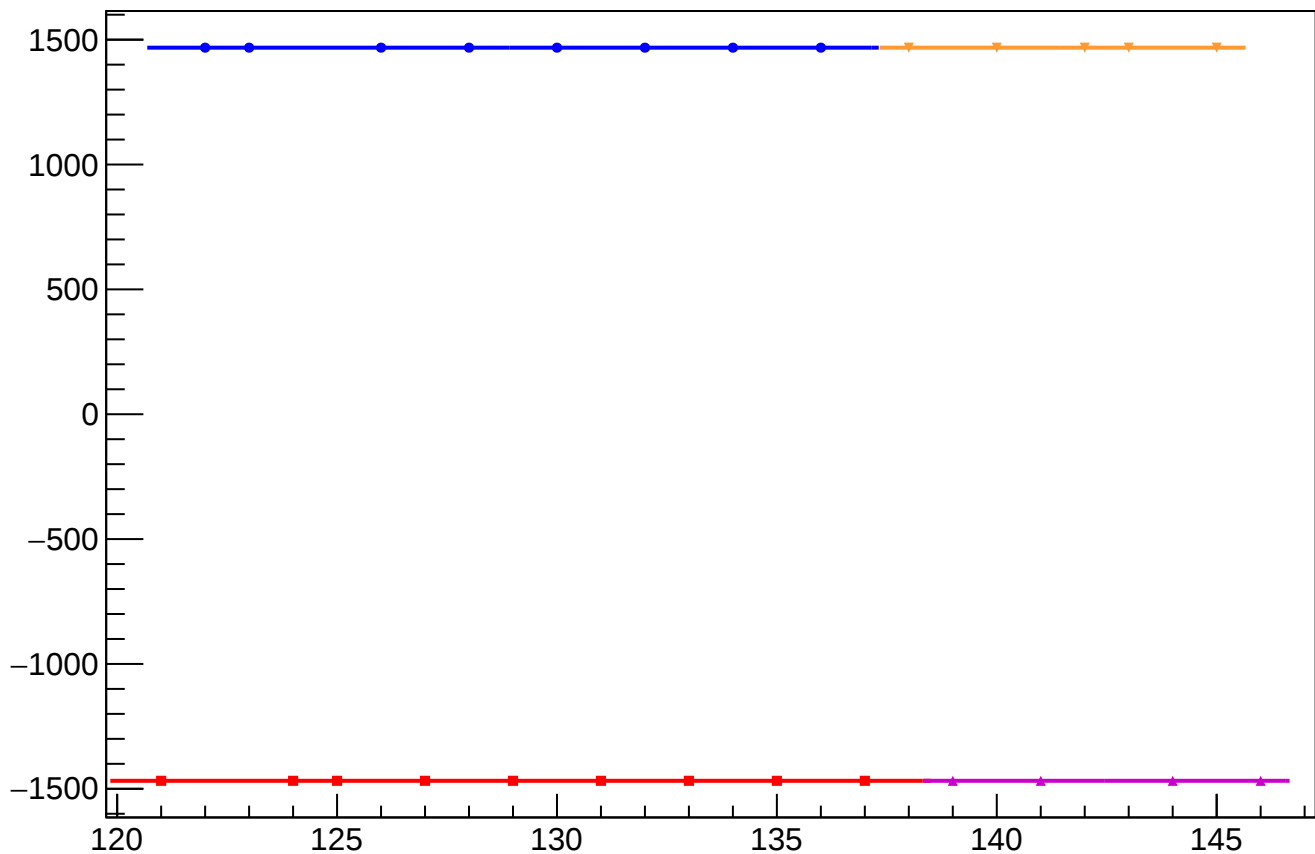
Left In: 29.641+/-0.000 χ^2/NDF : 15777.2/3

-29.641+/-0.000 χ^2/NDF : 815265.7/12

-0.992+/-0.000 χ^2/NDF : 1180355617927

29.641+/-0.000 χ^2/NDF : 926981.0/12

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1467.979+/-0.000 χ^2/NDF : 217393404.7/4

Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

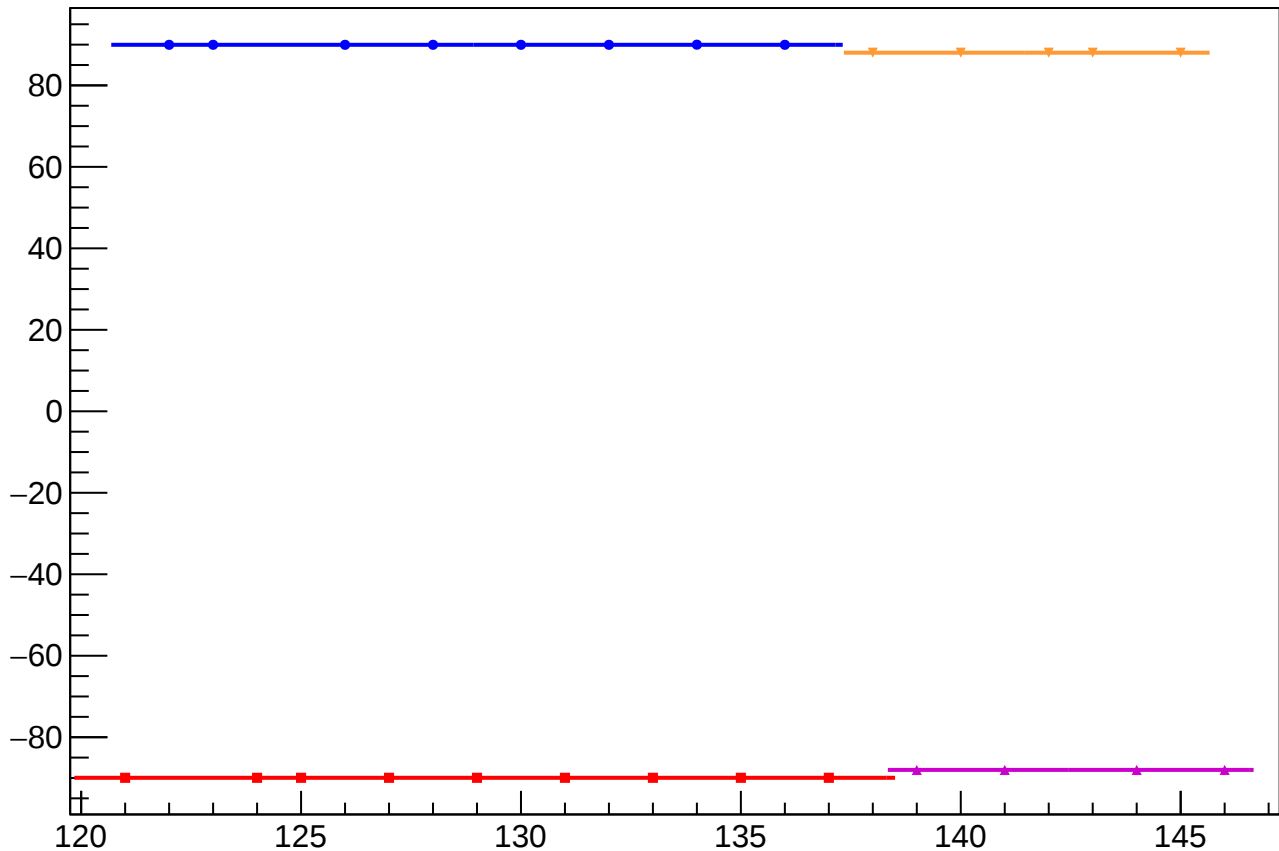
Left In: -1467.979+/-0.000 χ^2/NDF : 12511106.8/3

1467.979+/-0.000 χ^2/NDF : 1062565195.6/12

49.115+/-0.000 χ^2/NDF : 2895181064244

-1467.979+/-0.000 χ^2/NDF : 798177592.3/12

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 2540914.7/4

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

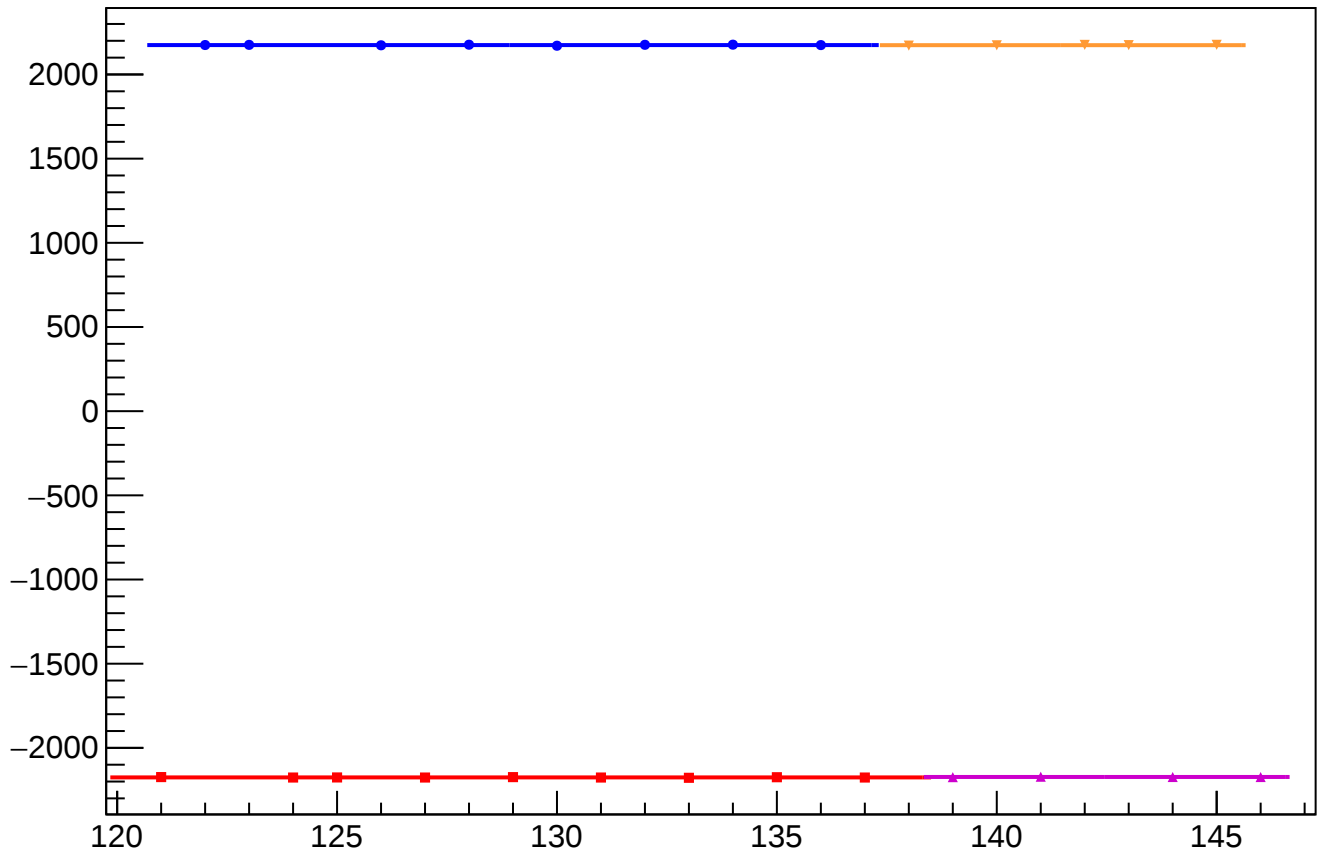
Left In: -88.021+/-0.000 χ^2/NDF : 273842.0/3

88.976+/-0.000 χ^2/NDF : 654203227943914020

2.979+/-0.000 χ^2/NDF : 10636838851303

-88.972+/-0.000 χ^2/NDF : 61049053726948470

HALLA_p_mean vs Slug, Sign Corrected



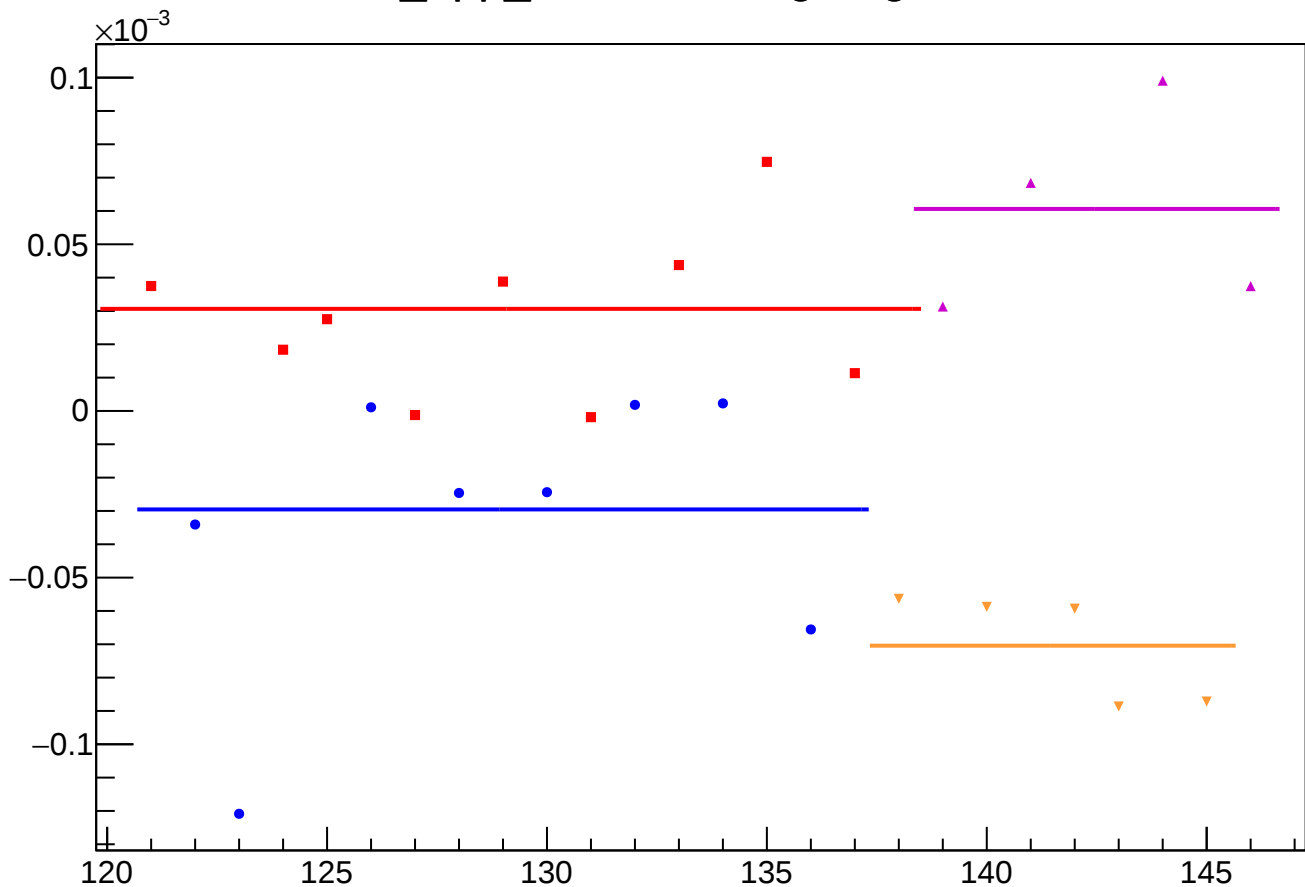
Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.004+/-0.000 χ^2/NDF : 1060705966984896475424760465981440.0/4

Right Out: -2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

Left In: -2172.830+/-0.000 χ^2/NDF : 292718764492837278676881460166656.0/3

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2 /NDF: 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2 /NDF: 76920970195145177694208.0/4

Right Out: 0.000+/-0.000 χ^2 /NDF: 196732771178766734983168.0/8

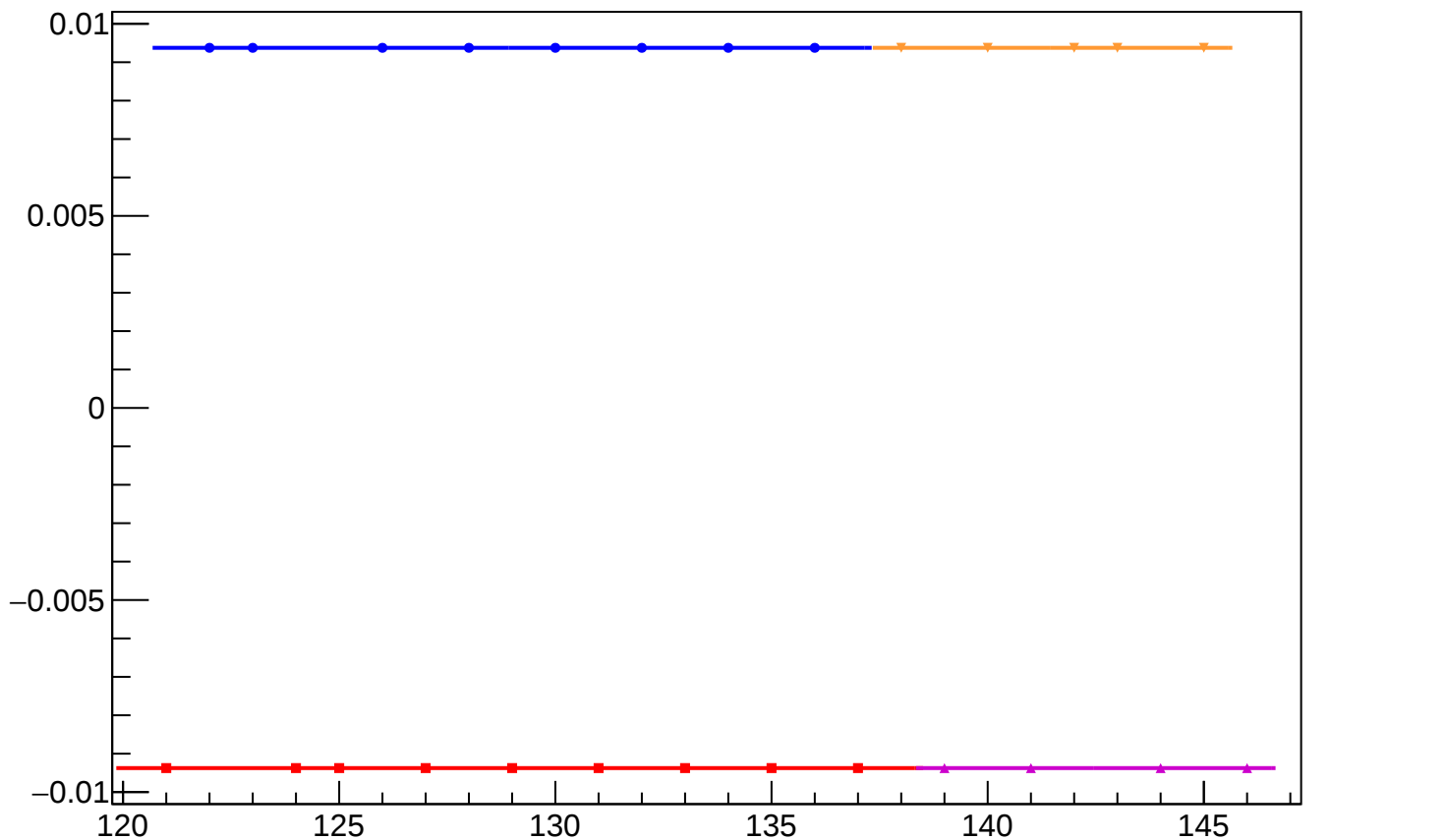
Left In: 0.000+/-0.000 χ^2 /NDF: 244928611529346384920576.0/3

-0.000+/-0.000 χ^2 /NDF: 617354171905310512

-0.000+/-0.000 χ^2 /NDF: 43136228873880

0.000+/-0.000 χ^2 /NDF: 5876403054059522663

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/4

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

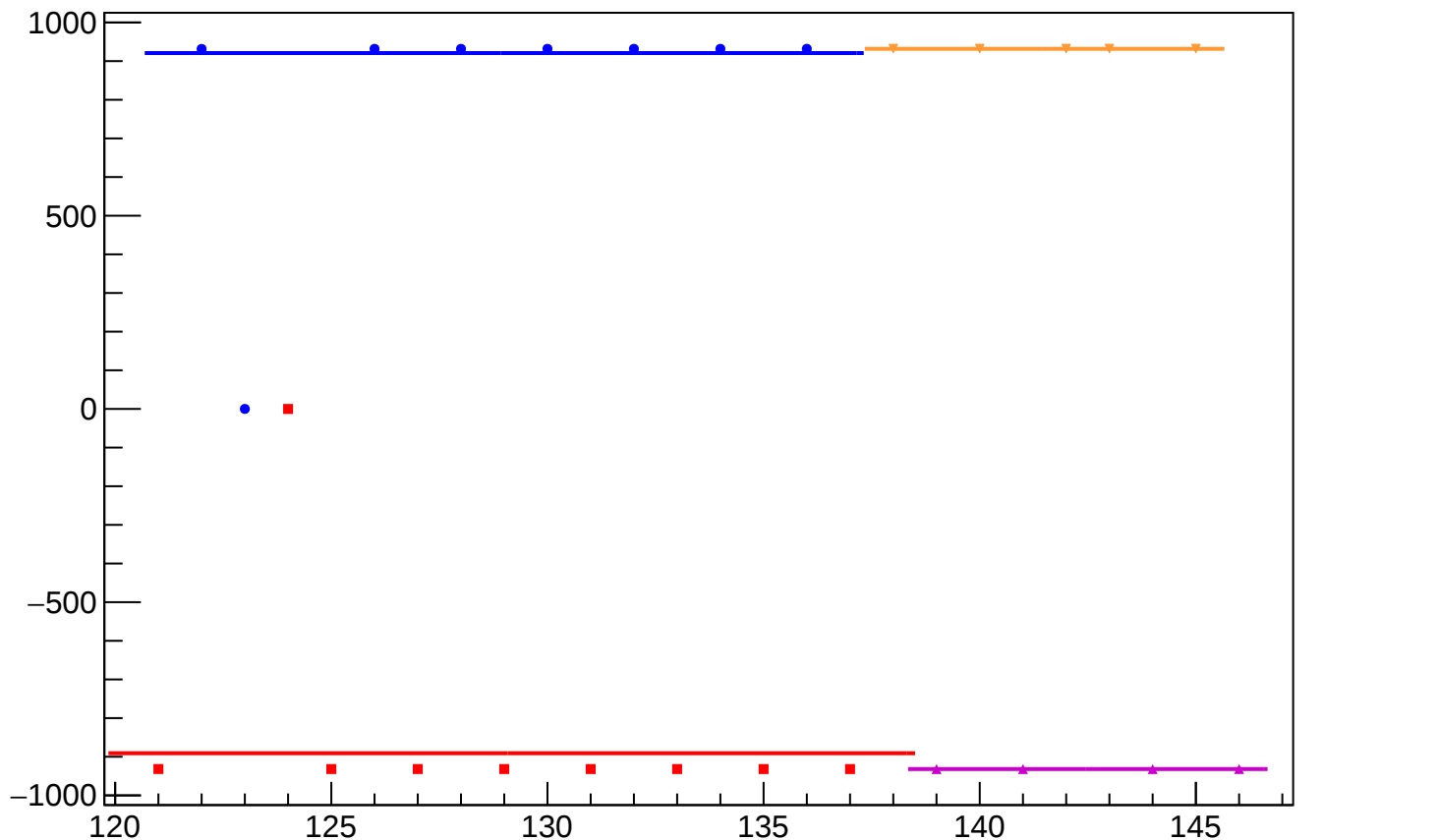
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/3

0.009+/-0.000 χ^2/NDF : 0.1/12

0.000+/-0.000 χ^2/NDF : 11808056459107

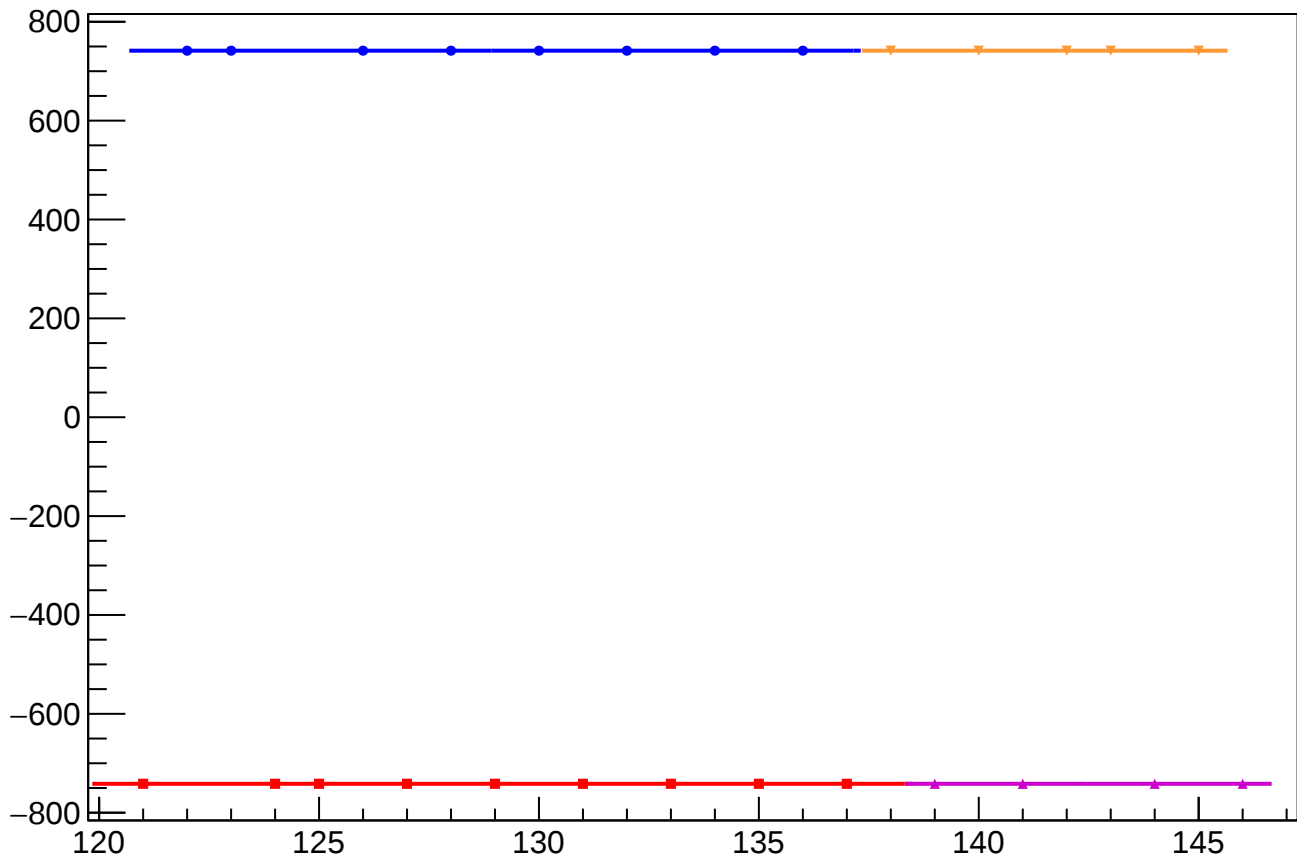
-0.009+/-0.000 χ^2/NDF : 0.1/12

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 920.898+/-0.000	χ^2/NDF : 3432128841951899861299566212080992256.0/7
Left Out: 931.864+/-0.000	χ^2/NDF : 91704933025713612935407861760.0/4
Right Out: -890.923+/-0.000	χ^2/NDF : 11621671430114409722932854398744788992.0/8
Left In: -931.839+/-0.000	χ^2/NDF : 936039179443084793095036862464.0/3

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.527+/-0.000 χ^2/NDF : 11427568968885265944201396224.0/4

Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

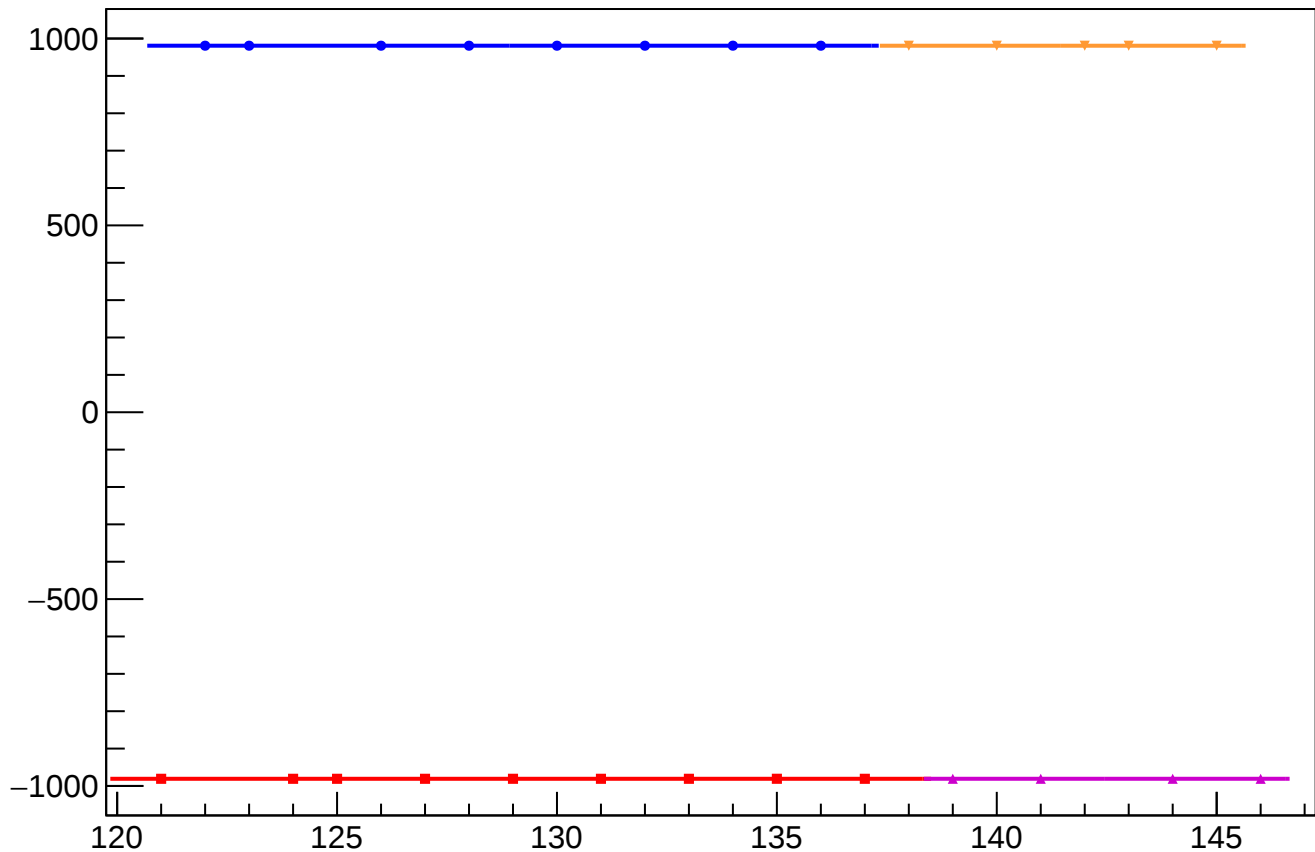
Left In: -741.527+/-0.000 χ^2/NDF : 6087754574149652559815507968.0/3

741.527+/-0.000 χ^2/NDF : 30454222453655740

24.809+/-0.000 χ^2/NDF : 7387379809332

-741.528+/-0.000 χ^2/NDF : 2288924489429929

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



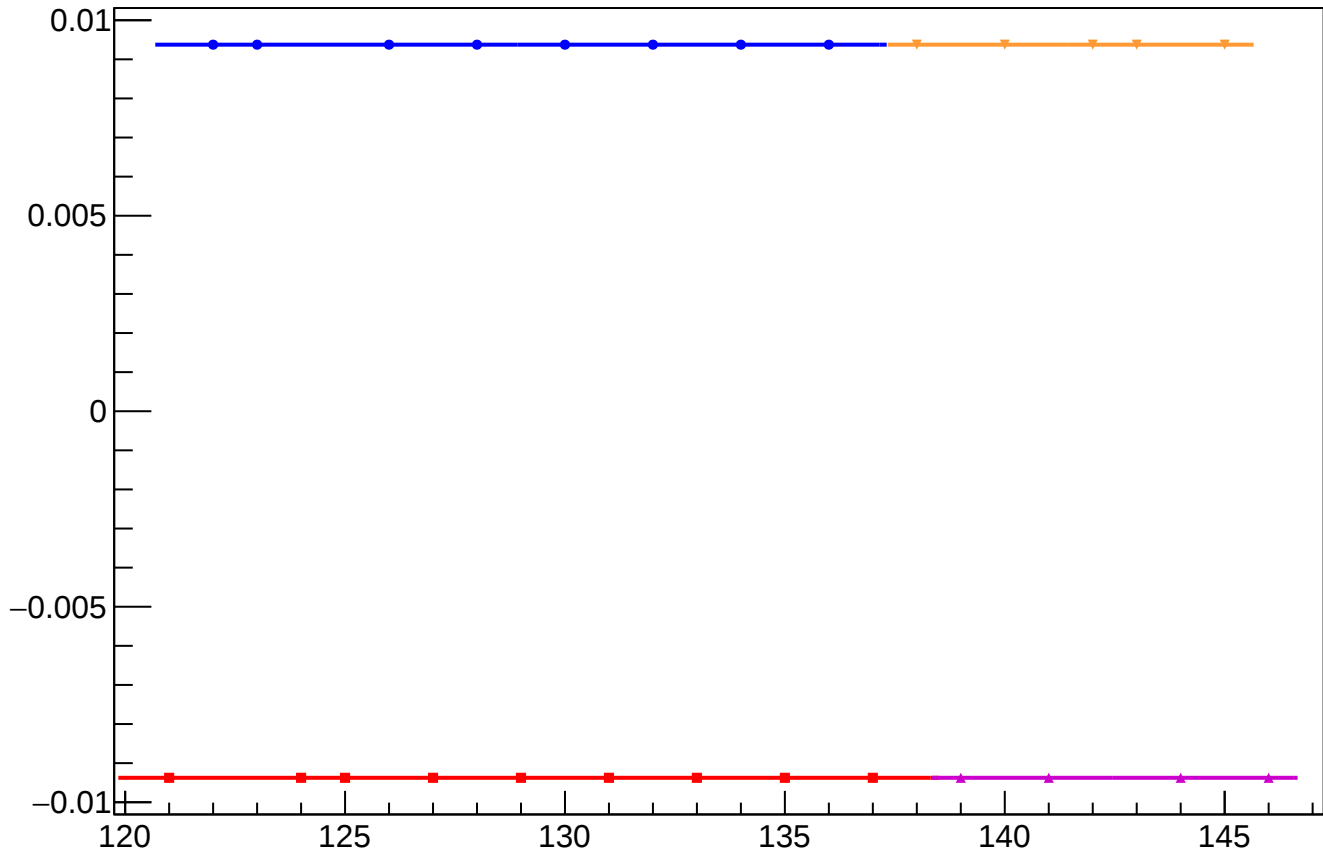
Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.763+/-0.000 χ^2/NDF : 3304197600504496365305331712.0/4

Right Out: -980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: -980.786+/-0.000 χ^2/NDF : 505430702851879597104477241344.0/3

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/4

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

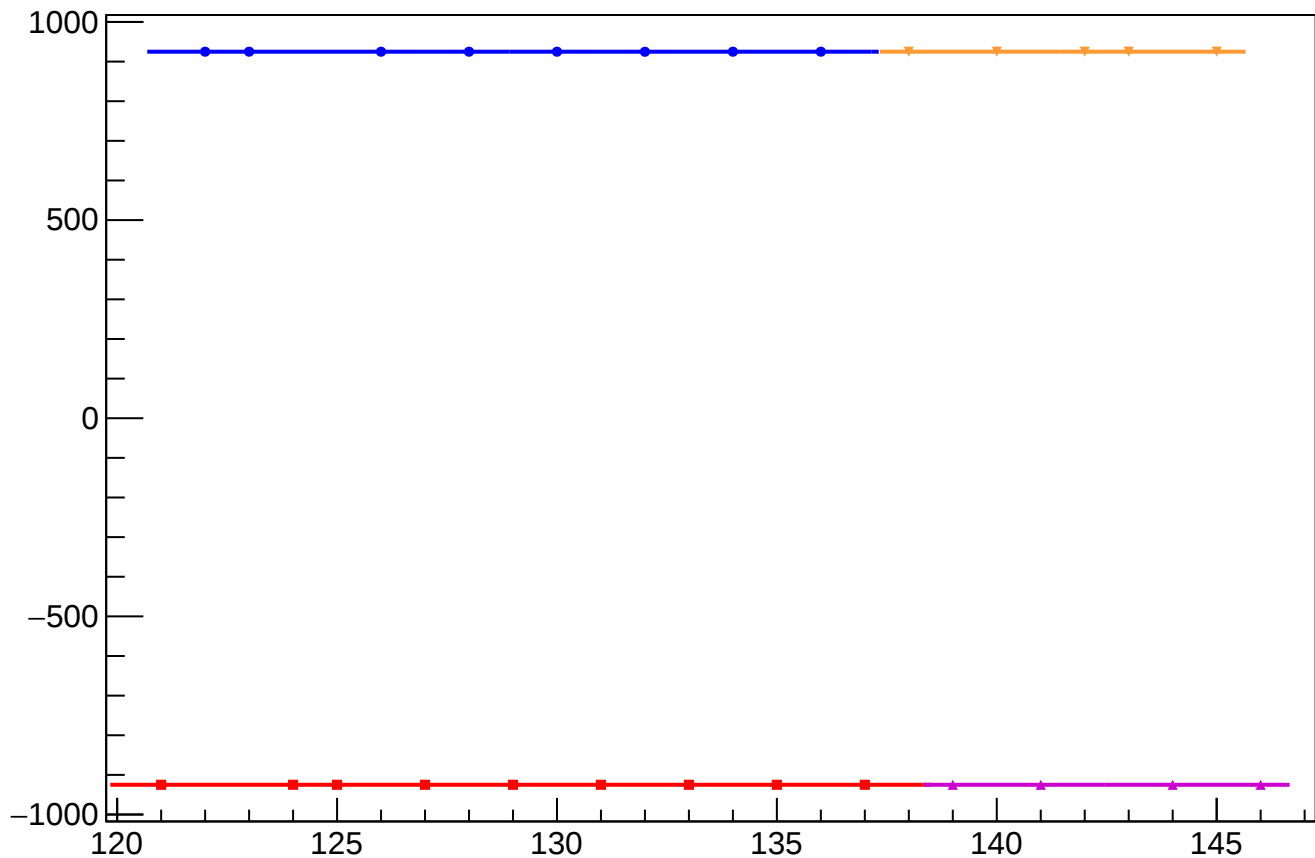
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/3

0.009+/-0.000 χ^2/NDF : 0.1/12

0.000+/-0.000 χ^2/NDF : 11808056459107

-0.009+/-0.000 χ^2/NDF : 0.1/12

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939 $\pm$ 0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.991 $\pm$ 0.000 χ^2/NDF : 120082779838346748735600459776.0/4

Right Out: -924.957 $\pm$ 0.000 χ^2/NDF : 71808709366506786060310151168.0/8

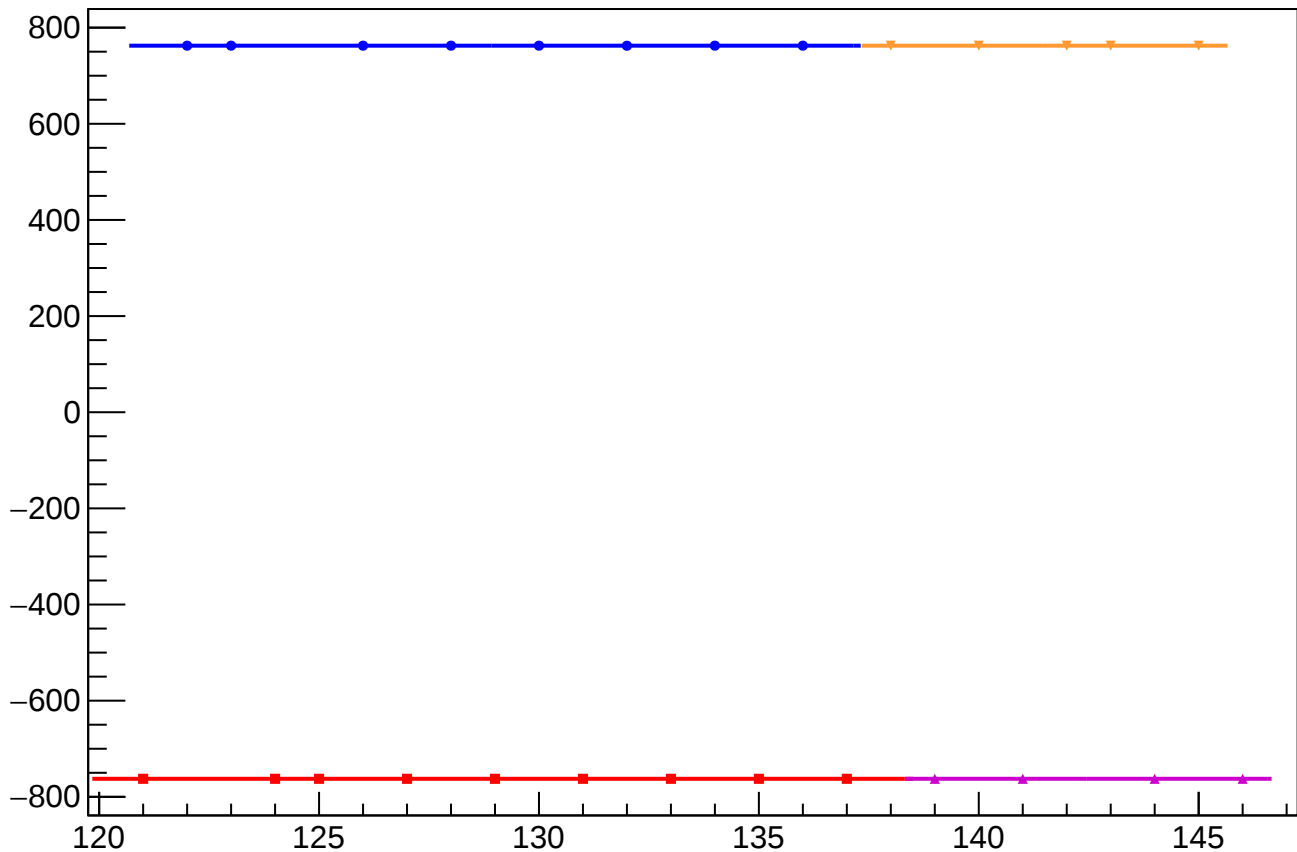
Left In: -924.996 $\pm$ 0.000 χ^2/NDF : 123015157478676677955889922048.0/3

924.966 $\pm$ 0.000 χ^2/NDF : 19848138819753666

30.941 $\pm$ 0.000 χ^2/NDF : 1149456314276

-924.977 $\pm$ 0.000 χ^2/NDF : 4459388653079848

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.489+/-0.000 χ^2/NDF : 13639528099243605796730175488.0/4

Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

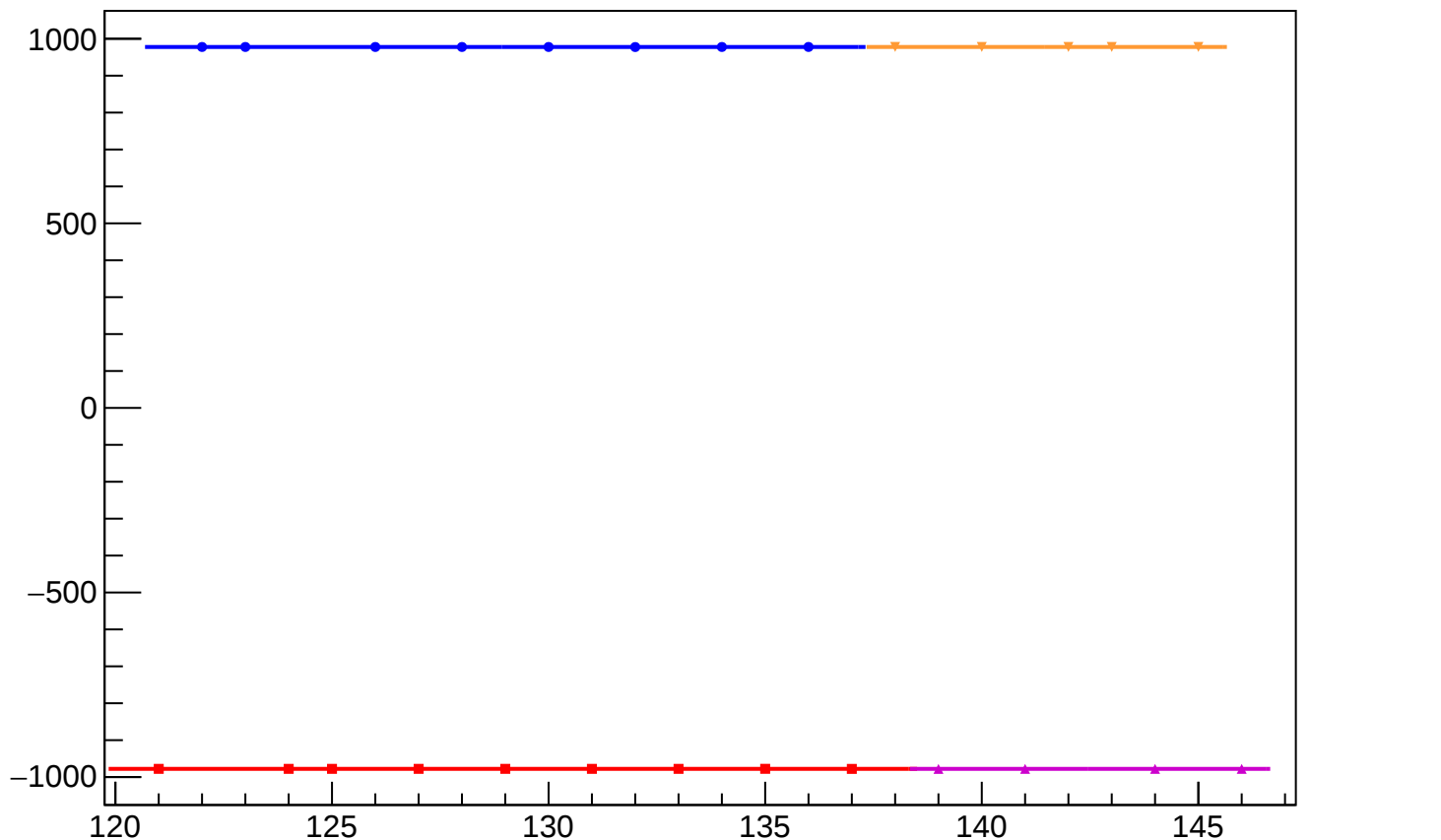
Left In: -762.494+/-0.000 χ^2/NDF : 28378913236387738556219523072.0/3

762.486+/-0.000 χ^2/NDF : 80346431291804429

25.505+/-0.000 χ^2/NDF : 7810994964779

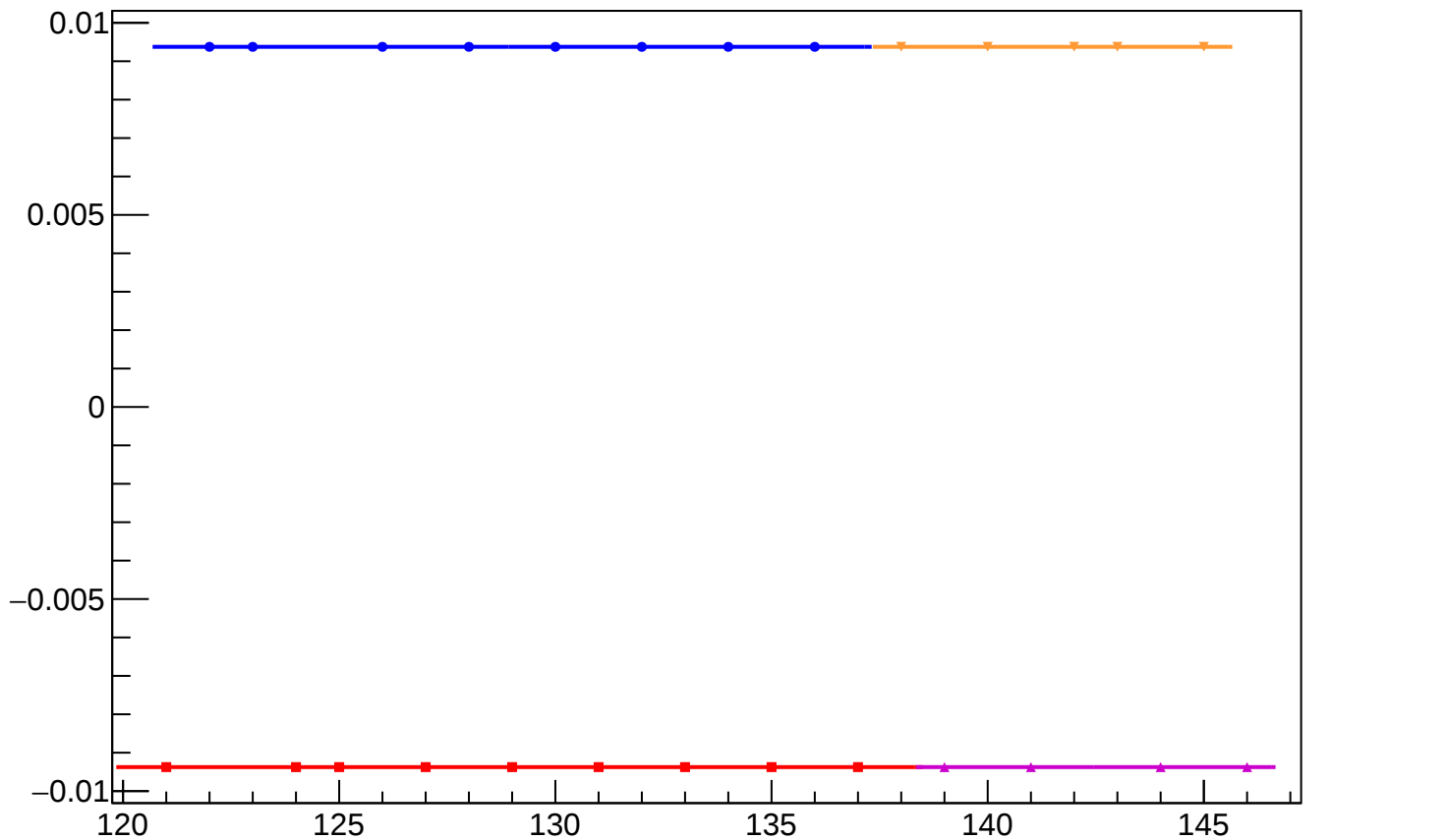
-762.497+/-0.000 χ^2/NDF : 3777313899070274

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7
 Left Out: 977.777+/-0.000 χ^2/NDF : 384487402130042894852550557696.0/4
 Right Out: -977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8
 Left In: -977.765+/-0.000 χ^2/NDF : 544349917819004829156184686592.0/3

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/4

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

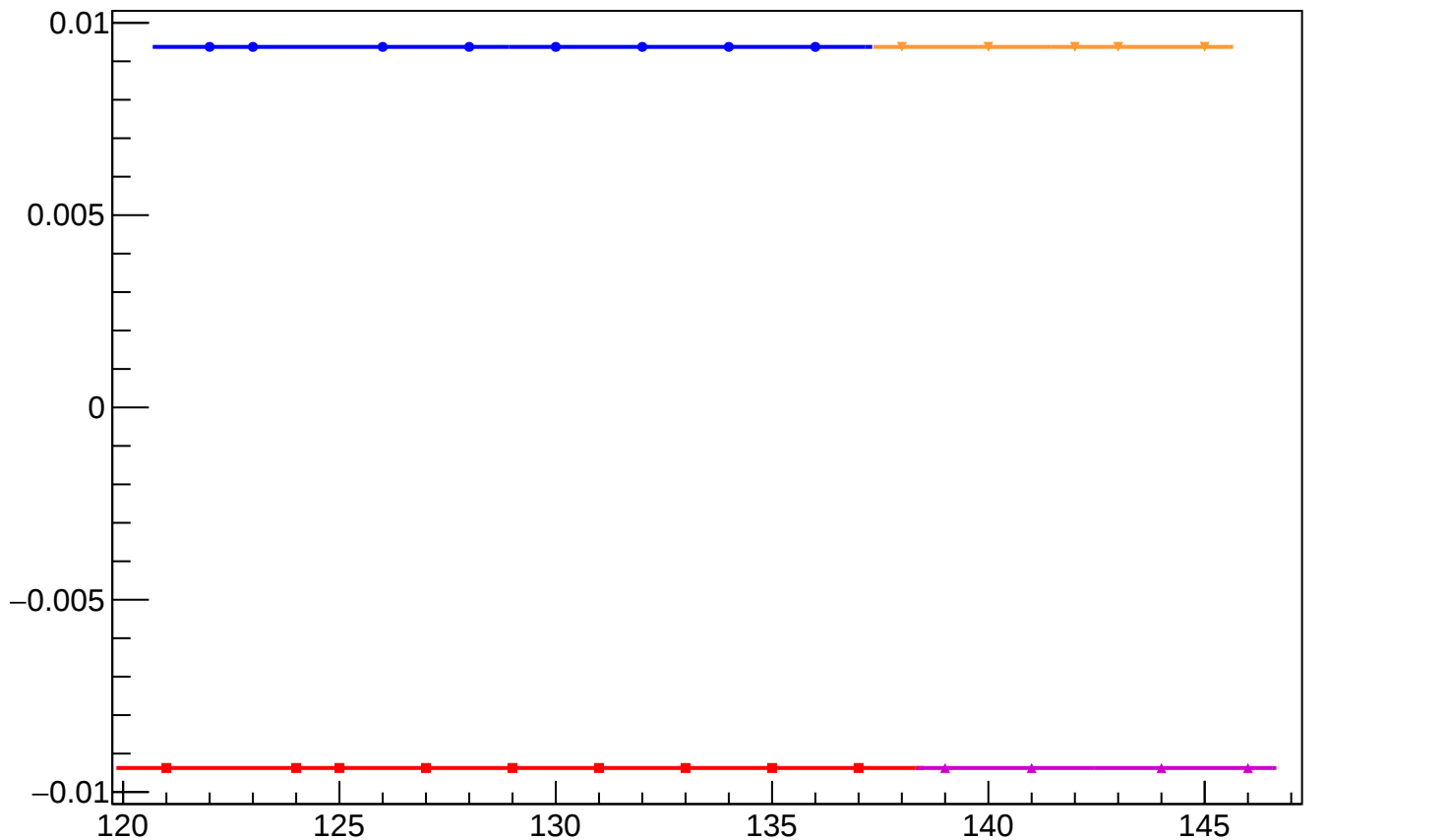
Left In: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/3

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/12

0.000 $\pm$ 0.000 χ^2 /NDF: 11808056459107

-0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/12

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/4

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

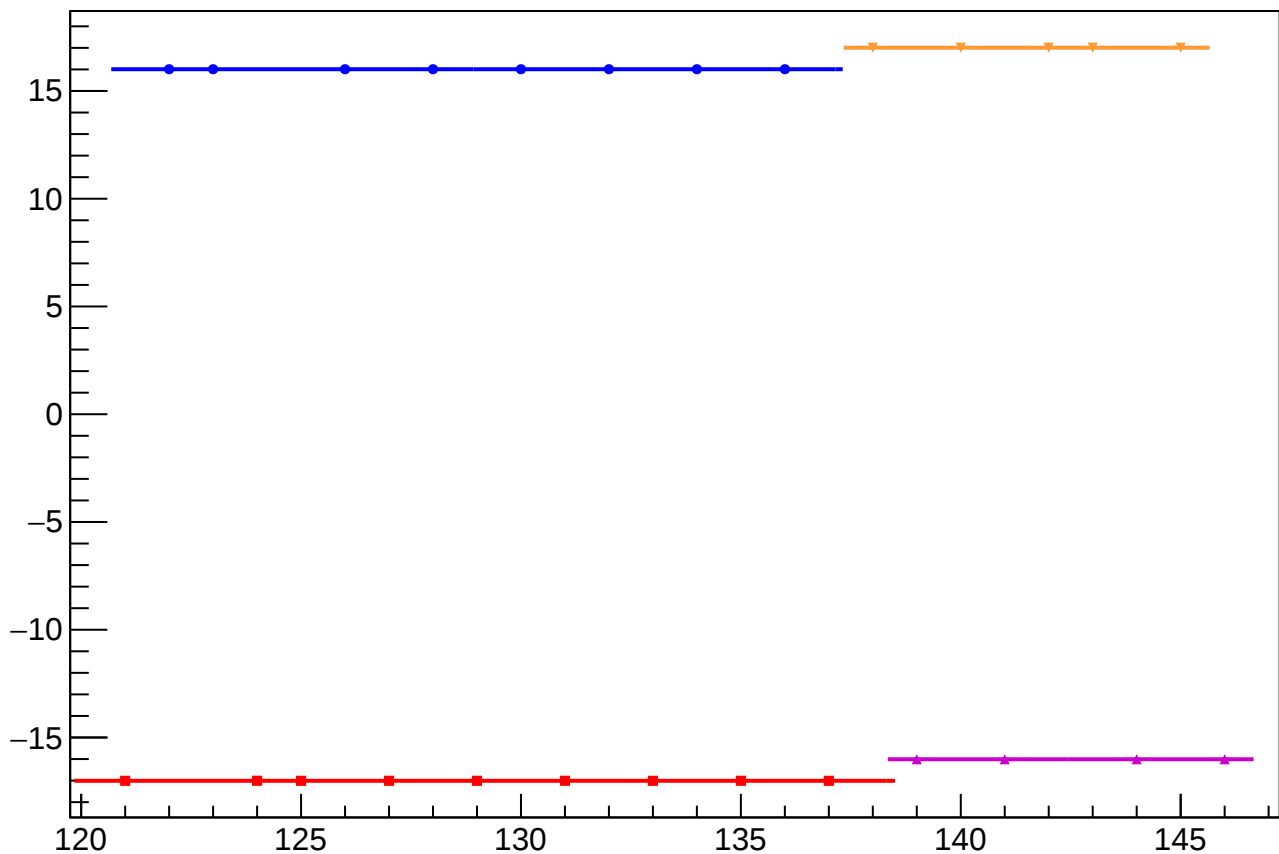
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/3

0.009+/-0.000 χ^2/NDF : 0.1/12

0.000+/-0.000 χ^2/NDF : 11808056459107

-0.009+/-0.000 χ^2/NDF : 0.1/12

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 1044447903117838127202304.0/4

Right Out: -17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

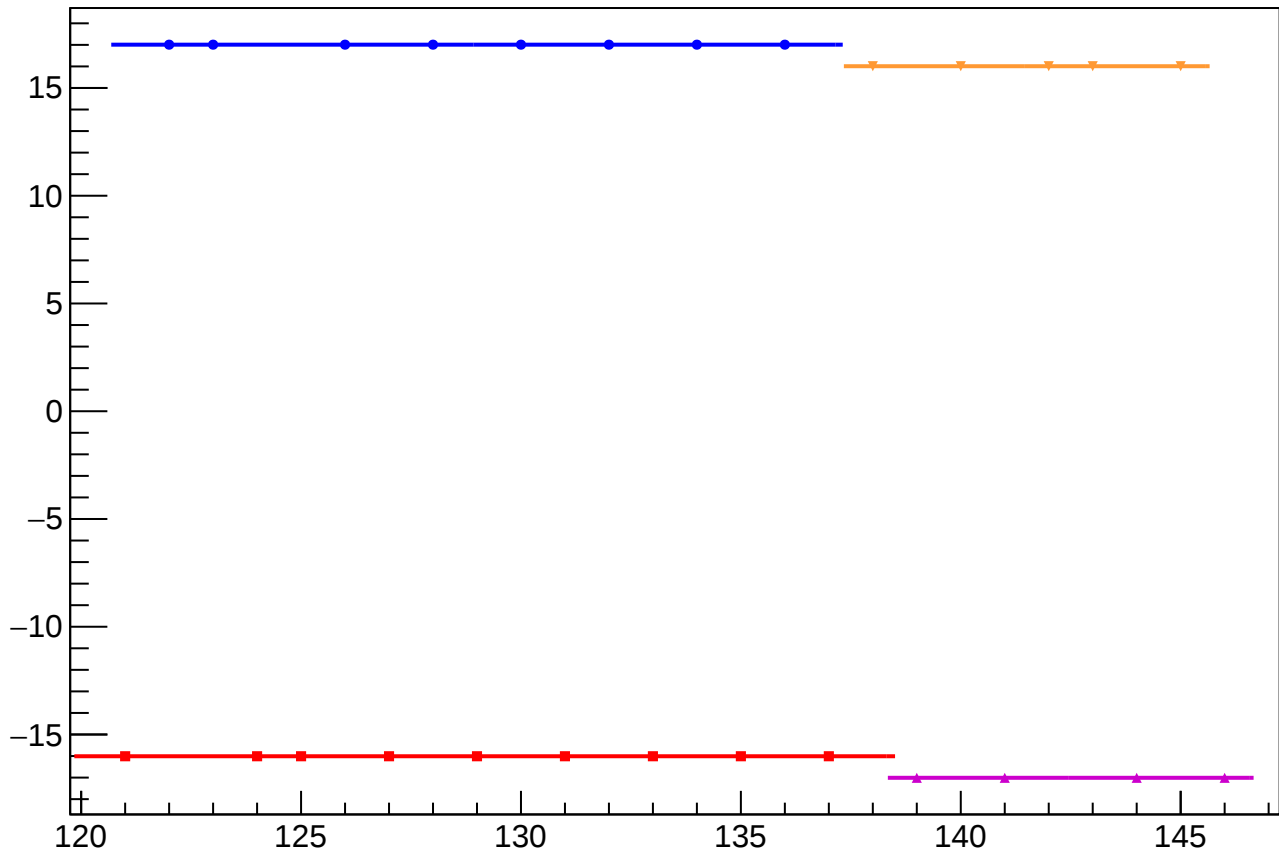
Left In: -16.009 $\pm$ 0.000 χ^2 /NDF: 12912.1/3

16.510 $\pm$ 0.000 χ^2 /NDF: 158207488049445382

0.269 $\pm$ 0.000 χ^2 /NDF: 33969553037595

-16.502 $\pm$ 0.000 χ^2 /NDF: 15317575539650715

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 12028.6/4

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

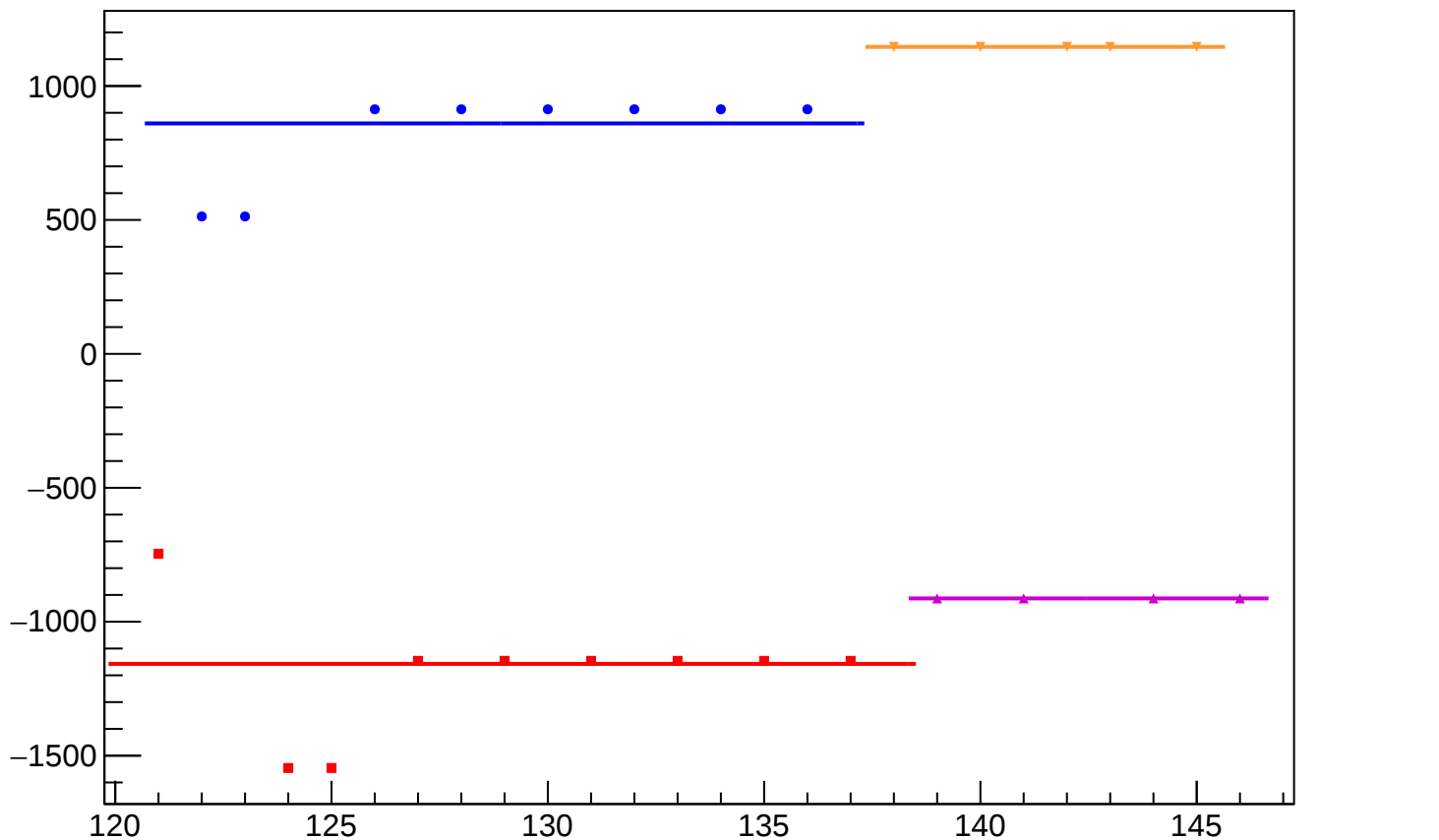
Left In: -17.009+/-0.000 χ^2/NDF : 7320.6/3

16.507+/-0.000 χ^2/NDF : 171746724890825009

0.451+/-0.000 χ^2/NDF : 36462256441864

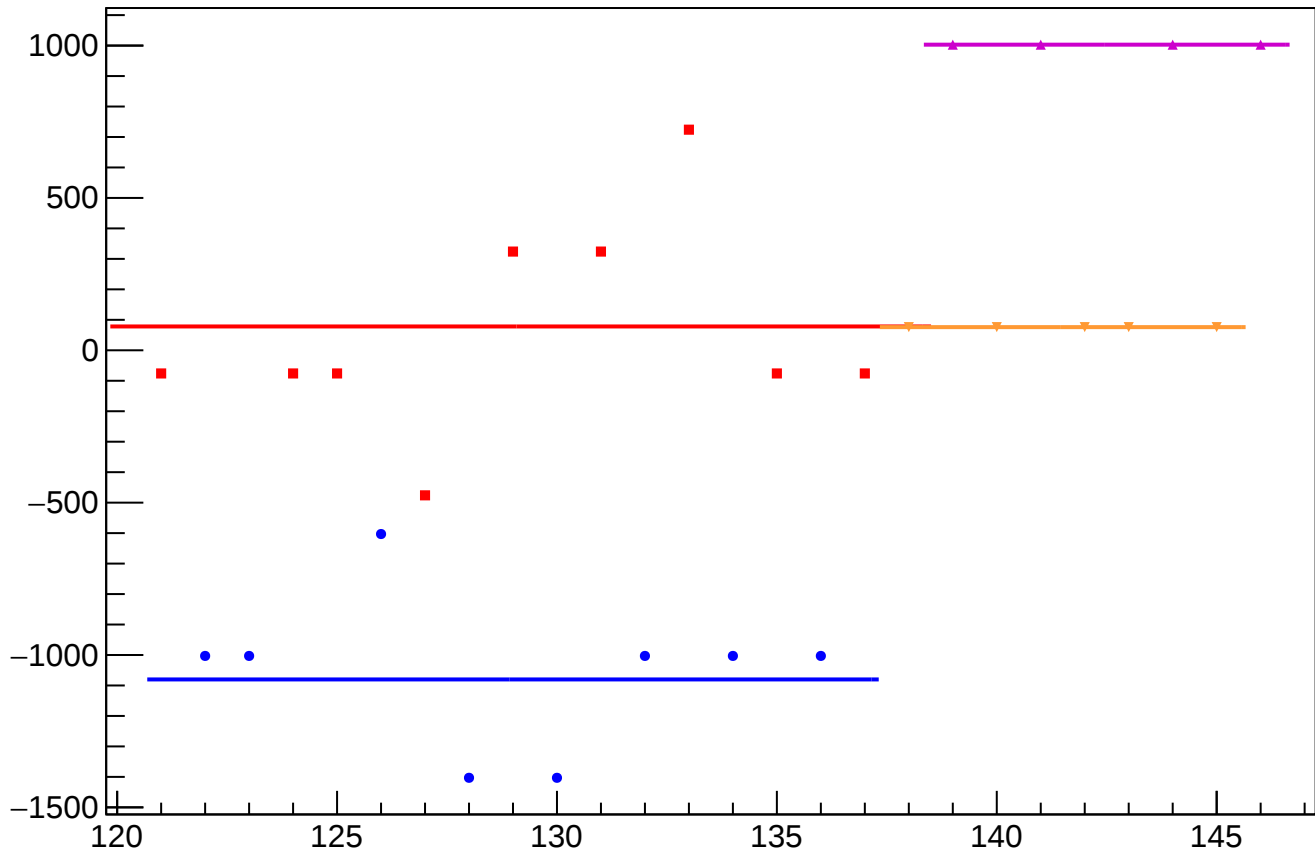
-16.519+/-0.000 χ^2/NDF : 16244461538460020

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 860.361 ± 0.000 $\chi^2/\text{NDF}: 6252693455178703850651720460594577408.0/7$
 Left Out: 1146.011 ± 0.000 $\chi^2/\text{NDF}: 1493639747406229705957834752.0/4$
 Right Out: -1157.295 ± 0.000 $\chi^2/\text{NDF}: 13880040120623316310083946144856014848.0/8$
 Left In: -912.995 ± 0.000 $\chi^2/\text{NDF}: 7634236529884858571737268224.0/3$

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000 χ^2/NDF : 2408772824265677019488976896.0/4

Right Out: 78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.989+/-0.000 χ^2/NDF : 478413898260055476808974336.0/3