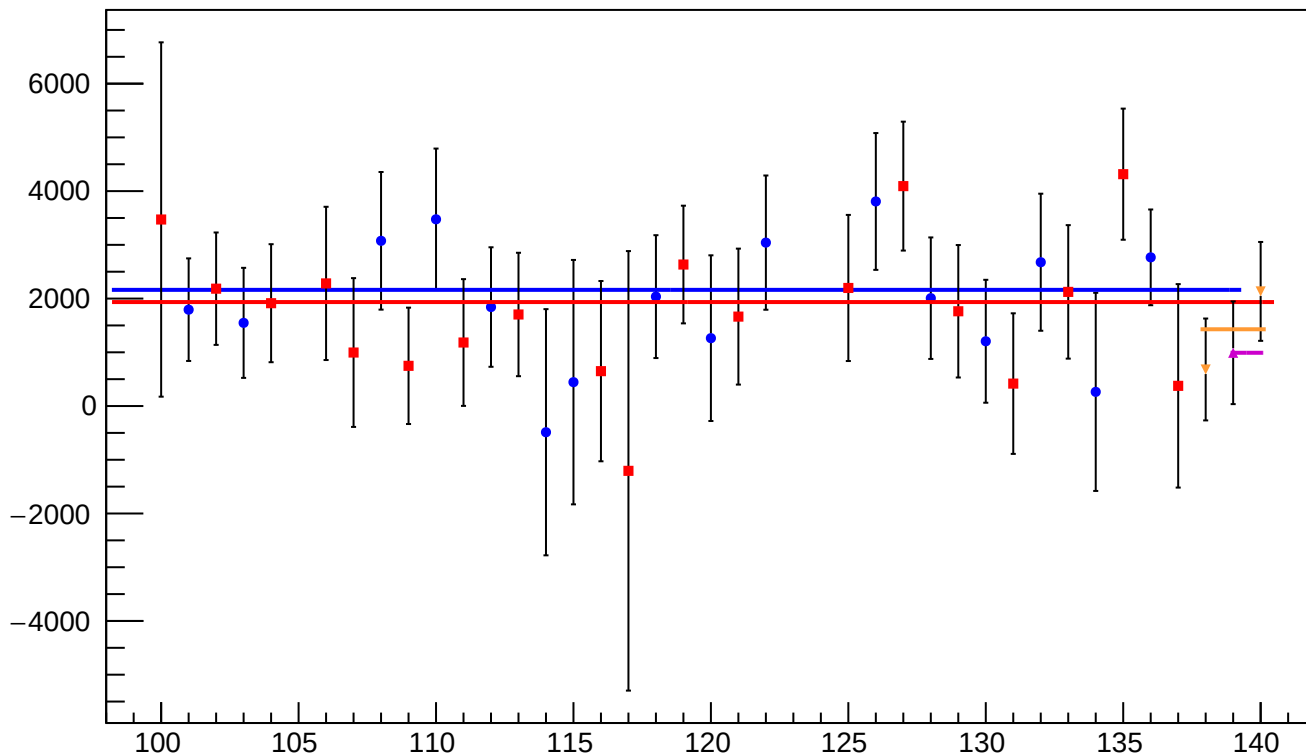


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1428.707+/-660.309

χ^2/NDF : 1.2/1

Right Out: 1935.183+/-299.773

χ^2/NDF : 13.2/18

Left In: 991.294+/-955.645

χ^2/NDF : 0.0/0

2031.700+/-278.615

χ^2/NDF : 11.1/17

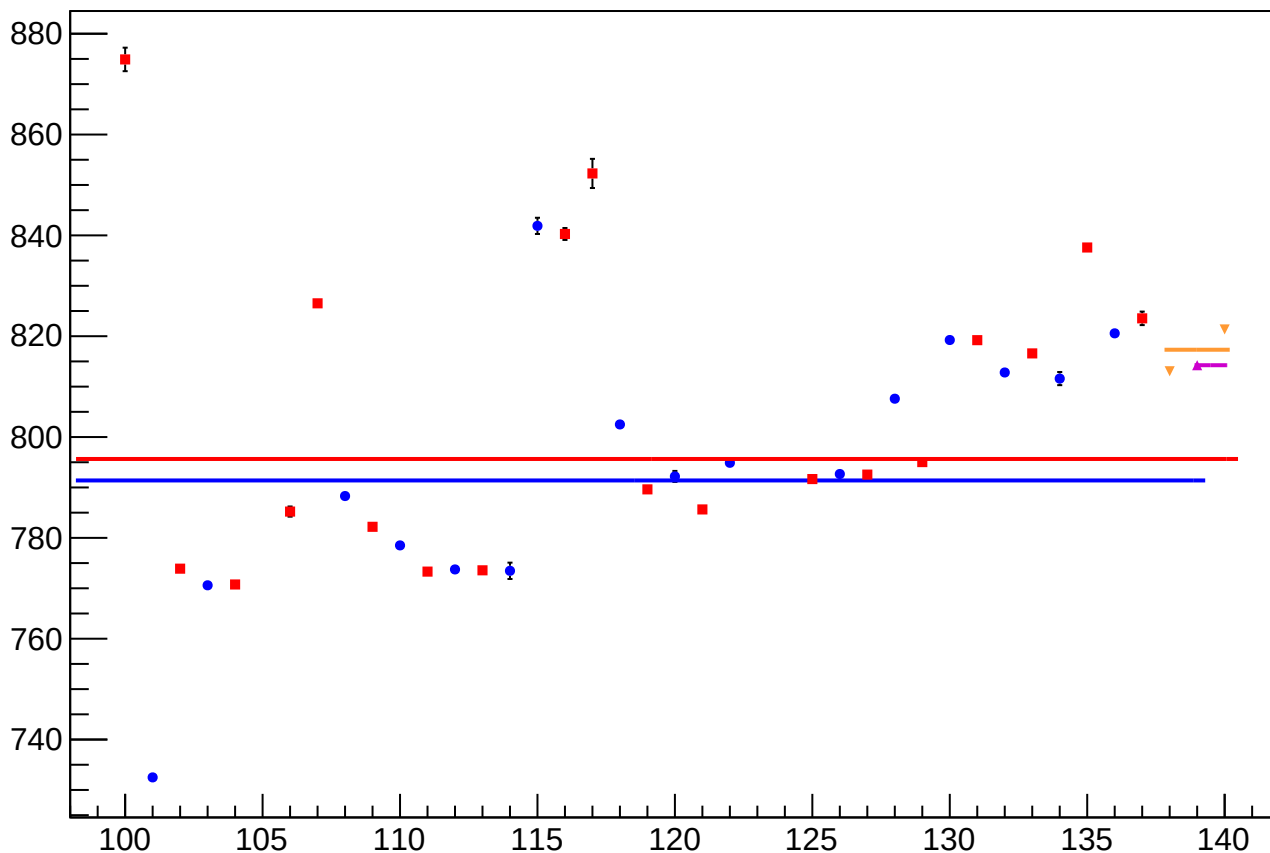
1943.540+/-199.581

χ^2/NDF : 25.5/37

1850.625+/-286.030

χ^2/NDF : 14.1/19

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 791.390 $\pm$ 0.217 χ^2 /NDF: 15008.3/15

Left Out: 817.318 $\pm$ 0.467 χ^2 /NDF: 78.8/1

Right Out: 795.650 $\pm$ 0.212 χ^2 /NDF: 11945.4/18

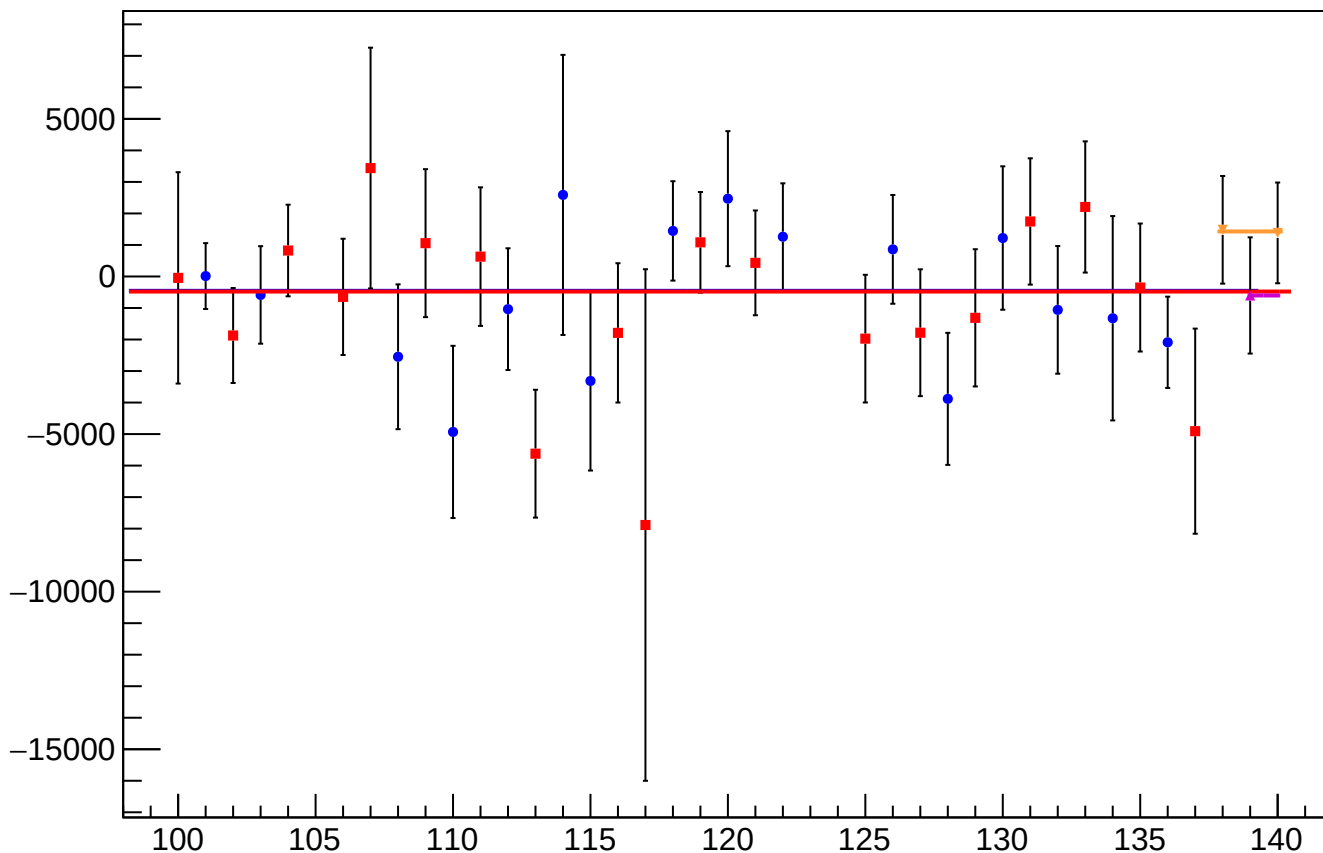
Left In: 814.247 $\pm$ 0.676 χ^2 /NDF: 0.0/0

796.007 $\pm$ 0.197 χ^2 /NDF: 17621.7/17

796.644 $\pm$ 0.141 χ^2 /NDF: 30278.1/37

797.316 $\pm$ 0.202 χ^2 /NDF: 12634.8/19

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 1428.320+/-1166.769 χ^2/NDF : 0.0/1

Right Out: -477.782+/-471.960 χ^2/NDF : 18.2/18

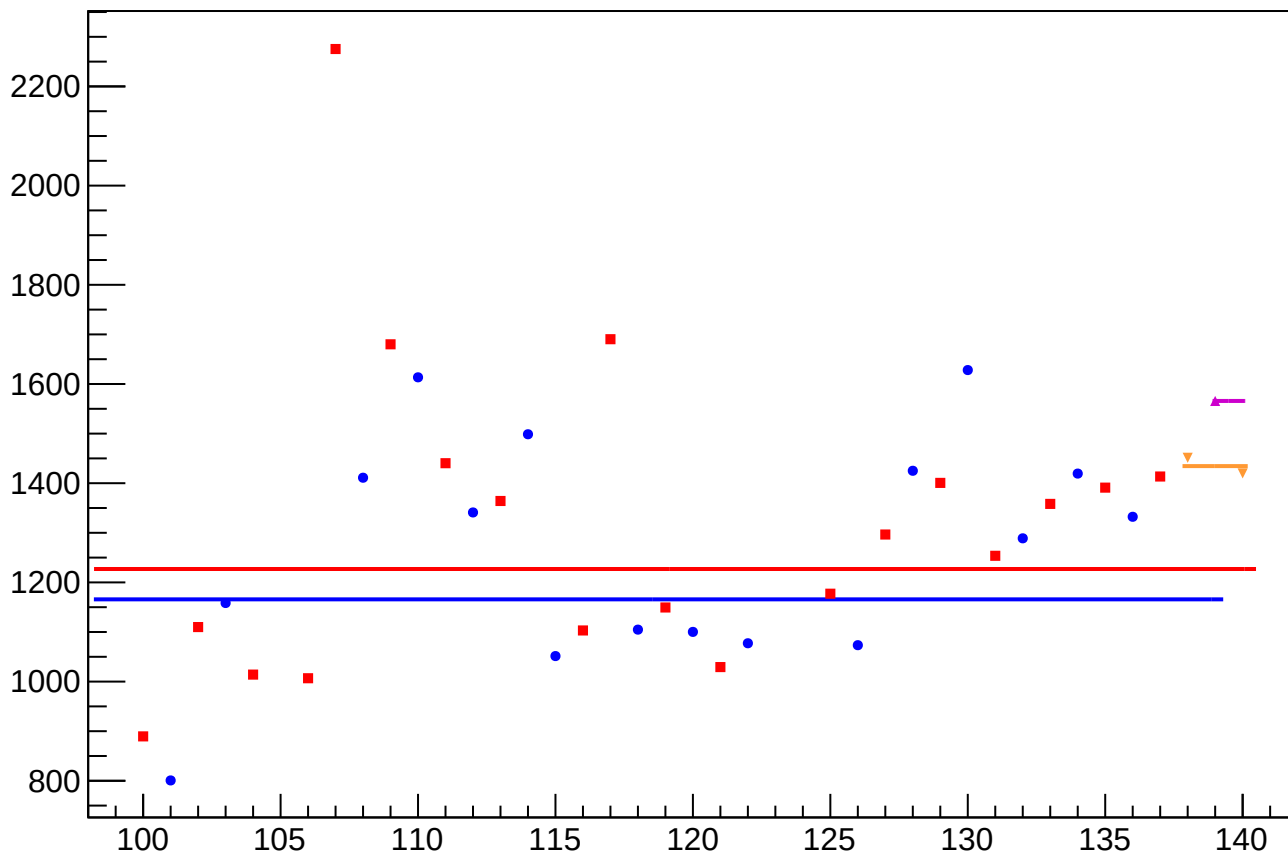
Left In: -602.323+/-1844.140 χ^2/NDF : 0.0/0

-198.187+/-431.343 χ^2/NDF : 17.1/17

-333.453+/-313.756 χ^2/NDF : 35.5/37

-485.437+/-457.224 χ^2/NDF : 18.2/19

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1434.477 $\pm$ 0.825 χ^2/NDF : 363.1/1

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

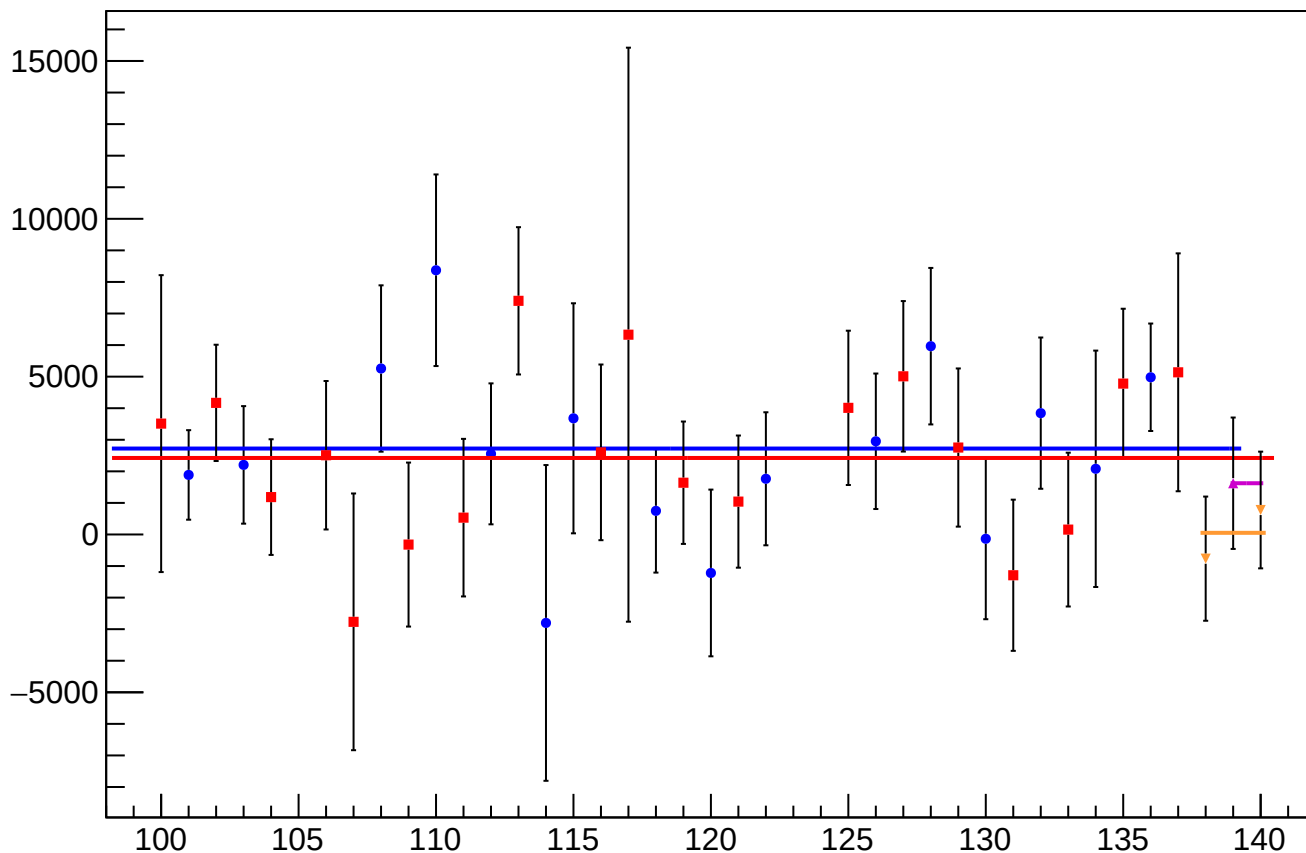
Left In: 1565.843 $\pm$ 1.304 χ^2/NDF : 0.0/0

1202.531 $\pm$ 0.305 χ^2/NDF : 618714.3/17

1223.871 $\pm$ 0.222 χ^2/NDF : 1139433.9/37

1247.848 $\pm$ 0.323 χ^2/NDF : 510324.0/19

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2722.309+/-567.154 χ^2/NDF : 14.6/15

Left Out: 52.218+/-1347.118 χ^2/NDF : 0.3/1

Right Out: 2423.739+/-567.866 χ^2/NDF : 16.5/18

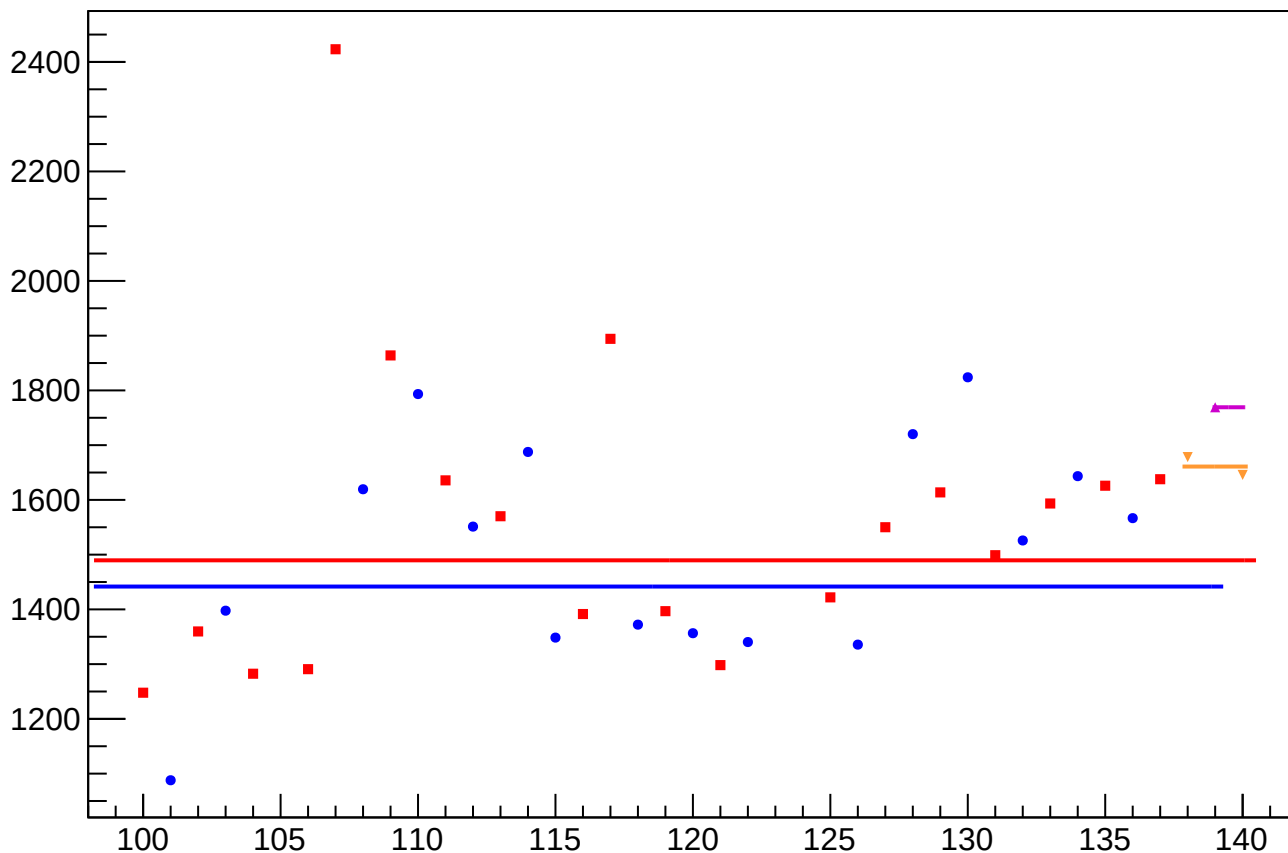
Left In: 1623.244+/-2081.283 χ^2/NDF : 0.0/0

2320.289+/-522.716 χ^2/NDF : 18.2/17

2343.157+/-378.186 χ^2/NDF : 34.8/37

2368.276+/-547.840 χ^2/NDF : 16.6/19

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1660.906+/-0.953 χ^2 /NDF: 291.1/1

Right Out: 1489.610+/-0.402 χ^2 /NDF: 260116.0/18

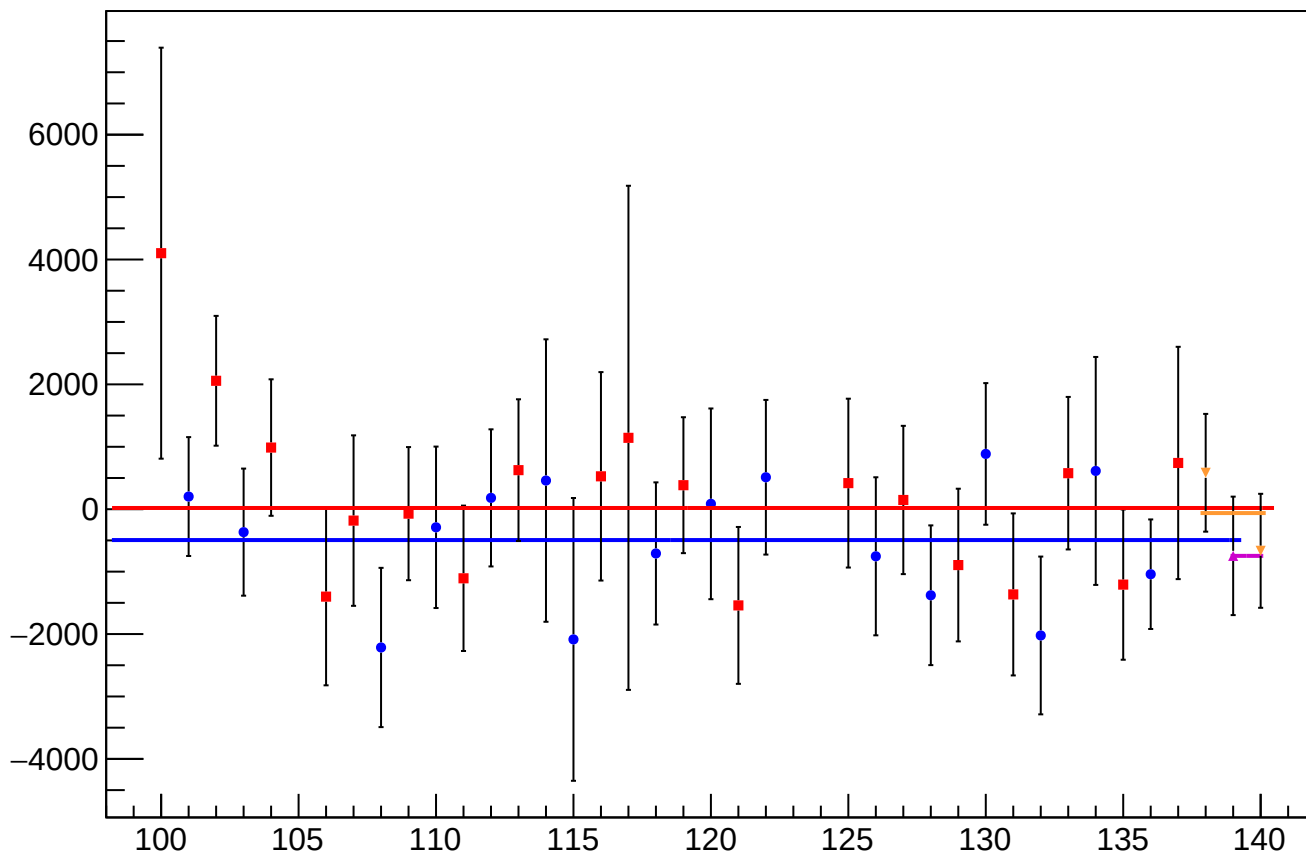
Left In: 1769.214+/-1.472 χ^2 /NDF: 0.0/0

1474.722+/-0.370 χ^2 /NDF: 321169.1/17

1491.049+/-0.267 χ^2 /NDF: 618974.2/37

1508.982+/-0.387 χ^2 /NDF: 293710.7/19

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -61.761+/-656.029 χ^2/NDF : 0.9/1

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

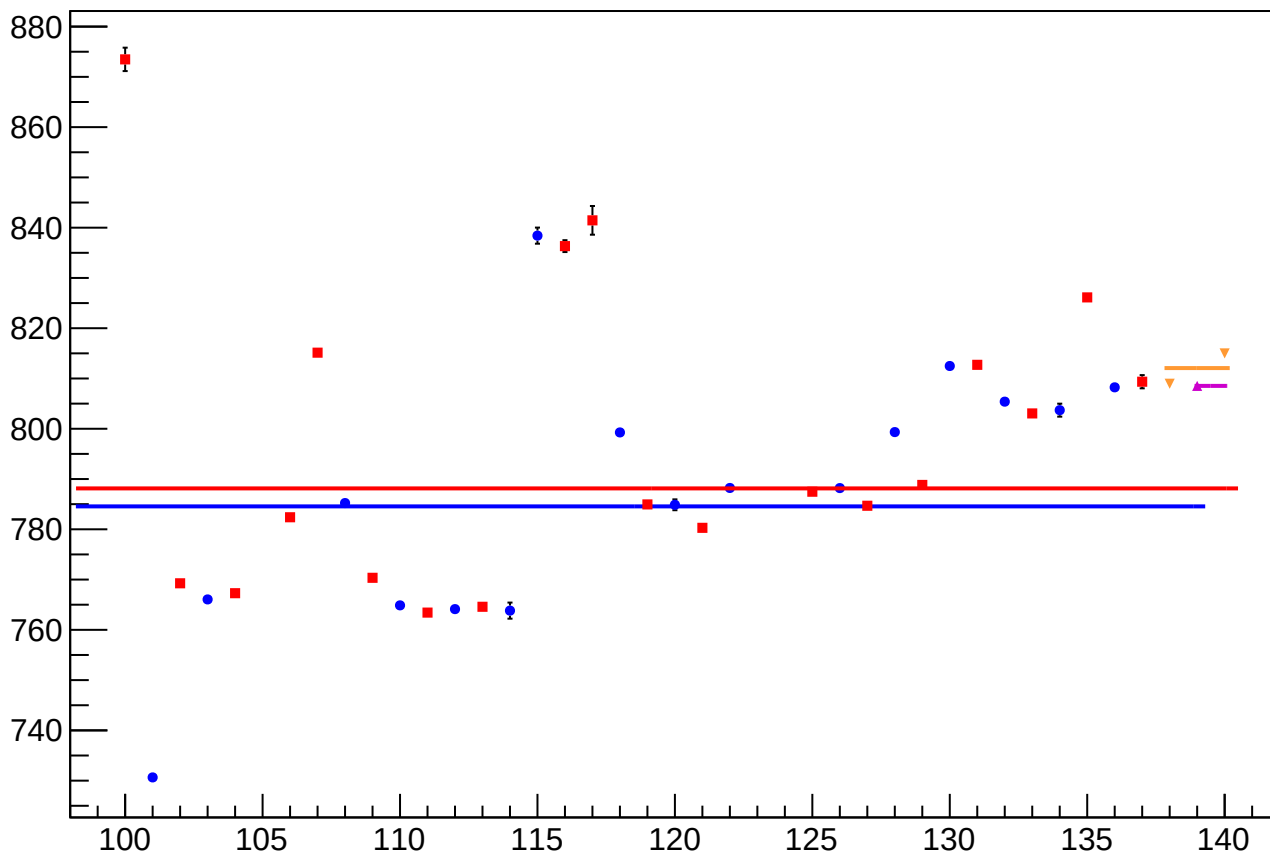
Left In: -747.504+/-948.887 χ^2/NDF : 0.0/0

-417.508+/-276.305 χ^2/NDF : 9.9/17

-237.812+/-197.831 χ^2/NDF : 24.8/37

-48.797+/-283.380 χ^2/NDF : 14.0/19

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 812.071+/-0.464 χ^2/NDF : 42.2/1

Right Out: 788.134+/-0.210 χ^2/NDF : 11259.7/18

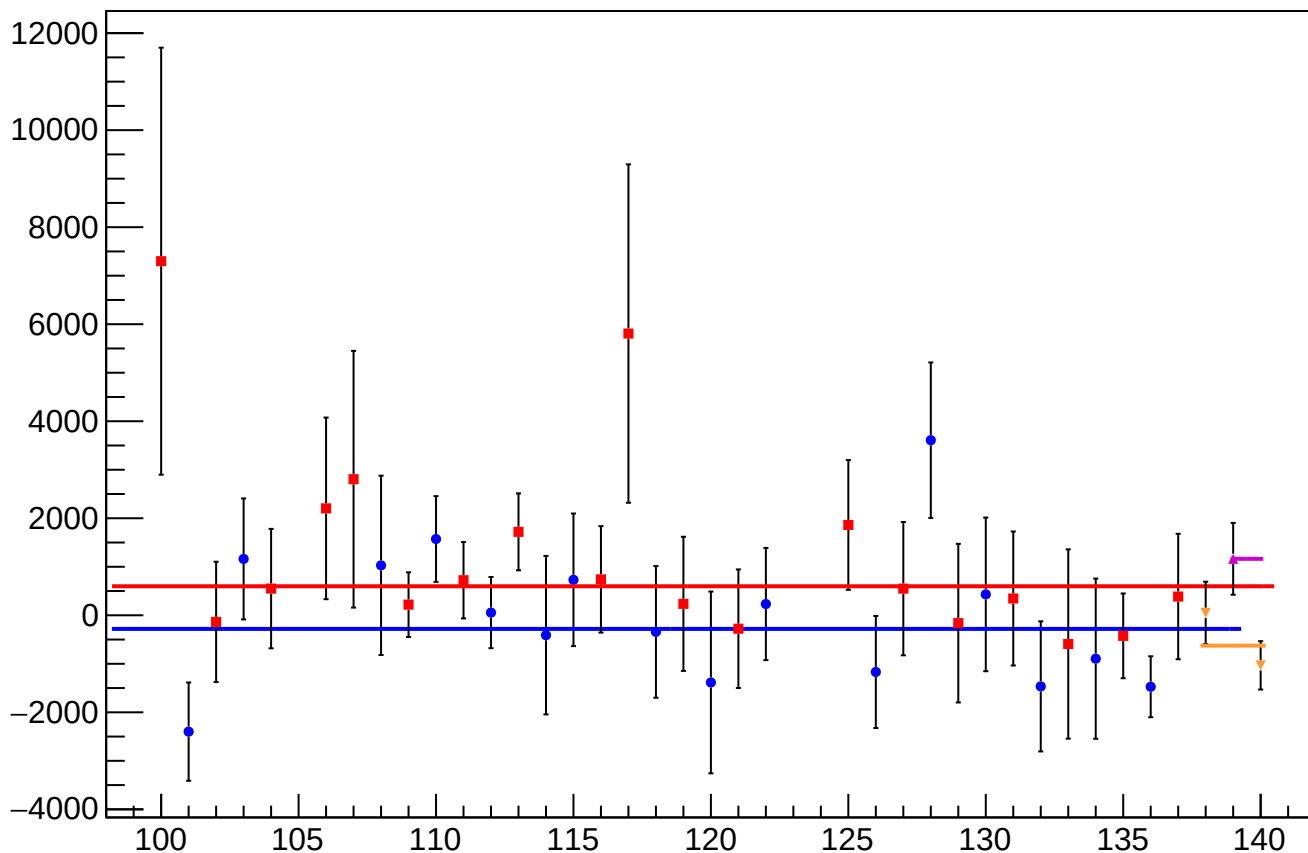
Left In: 808.528+/-0.671 χ^2/NDF : 0.0/0

789.438+/-0.195 χ^2/NDF : 16613.6/17

789.689+/-0.140 χ^2/NDF : 28718.1/37

789.953+/-0.200 χ^2/NDF : 12101.1/19

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -625.268 $\pm$ 393.786 χ^2/NDF : 1.8/1

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

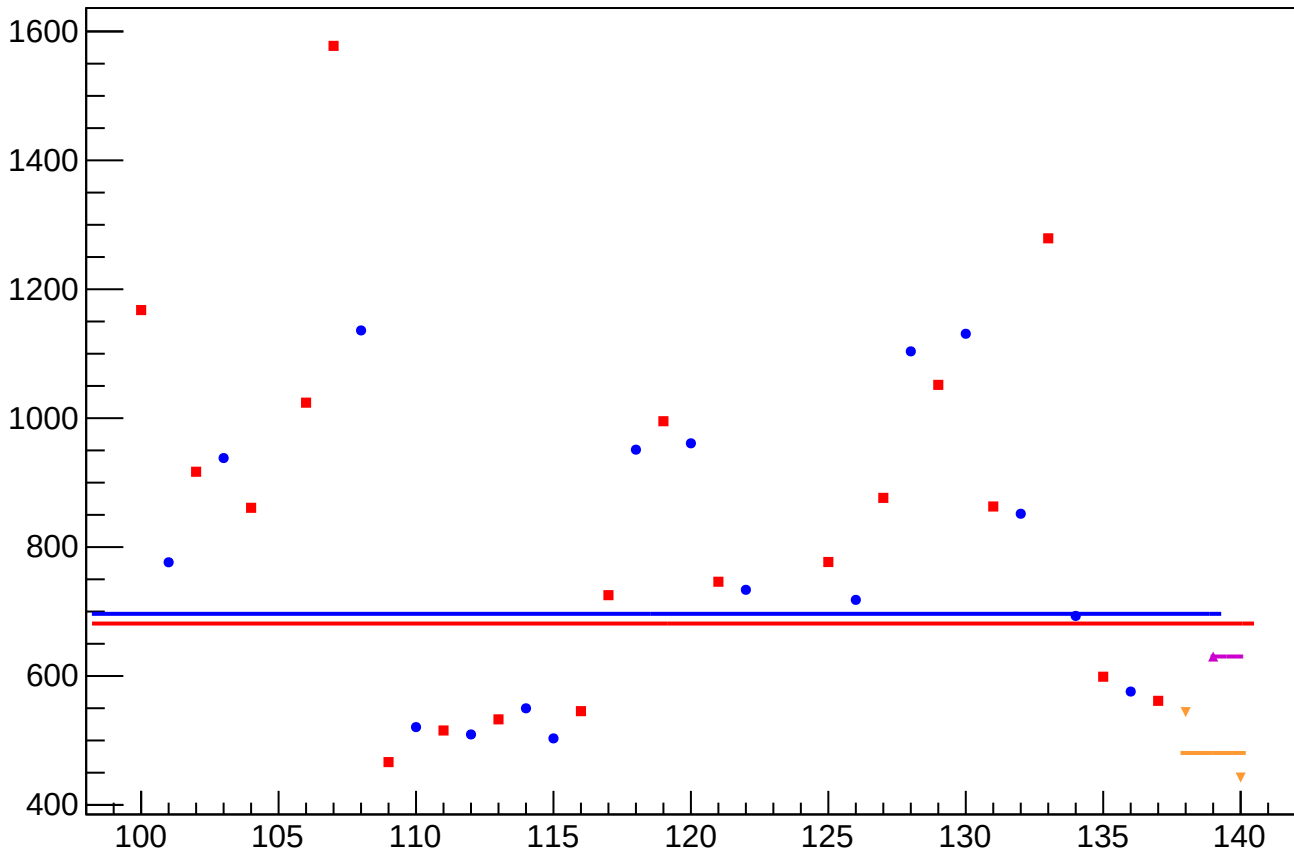
Left In: 1163.898 $\pm$ 740.159 χ^2/NDF : 0.0/0

-397.734 $\pm$ 229.542 χ^2/NDF : 25.4/17

77.431 $\pm$ 170.708 χ^2/NDF : 47.7/37

665.449 $\pm$ 255.349 χ^2/NDF : 12.7/19

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 480.608 $\pm$ 0.278 χ^2 /NDF: 31194.6/1

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

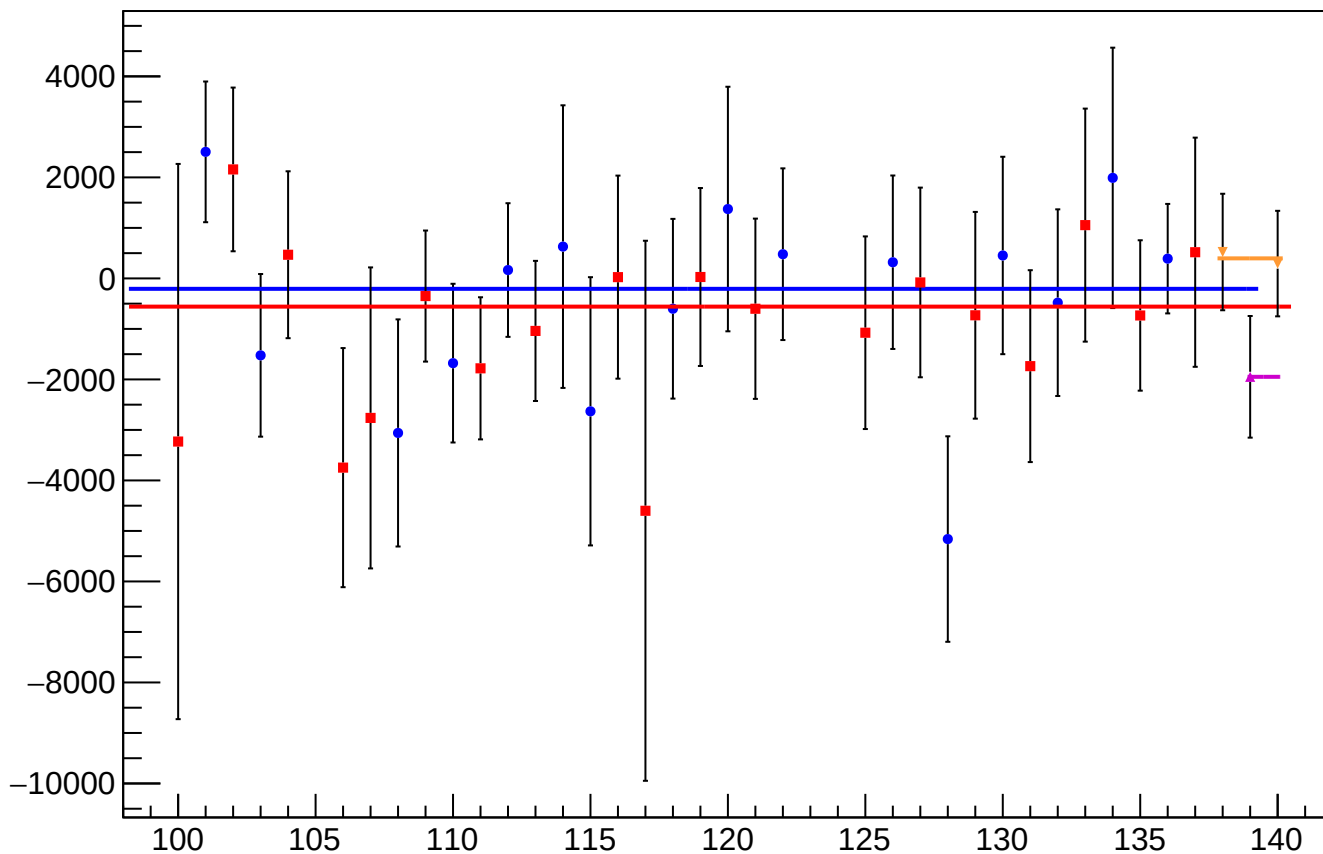
Left In: 630.248 $\pm$ 0.523 χ^2 /NDF: 0.0/0

623.118 $\pm$ 0.162 χ^2 /NDF: 1387433.1/17

646.443 $\pm$ 0.121 χ^2 /NDF: 2794932.7/37

675.308 $\pm$ 0.181 χ^2 /NDF: 1361290.1/19

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 396.675+/-774.176 χ^2/NDF : 0.0/1

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

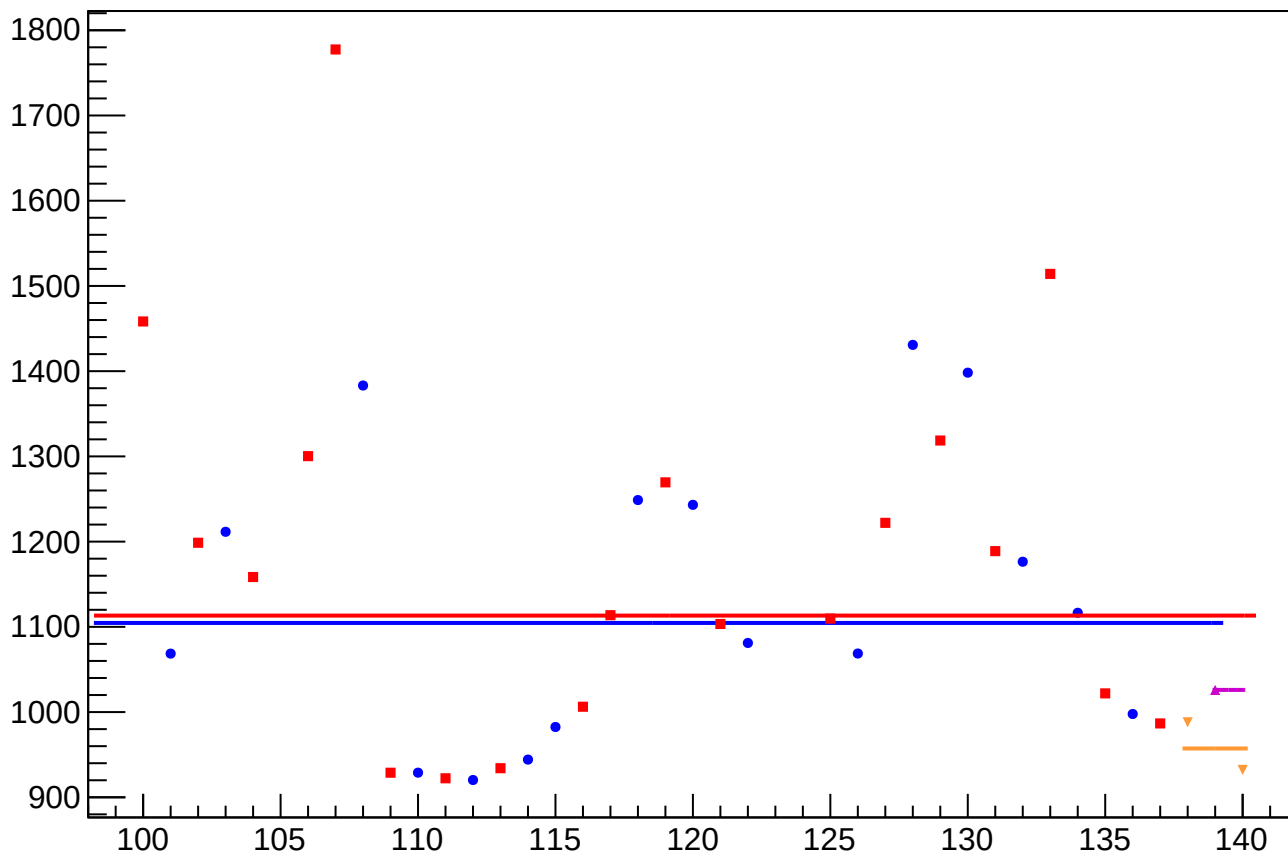
Left In: -1948.606+/-1204.230 χ^2/NDF : 0.0/0

-62.295+/-378.421 χ^2/NDF : 16.3/17

-368.515+/-275.356 χ^2/NDF : 27.6/37

-713.086+/-401.420 χ^2/NDF : 9.9/19

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 957.279+/-0.547 χ^2/NDF : 2580.5/1

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

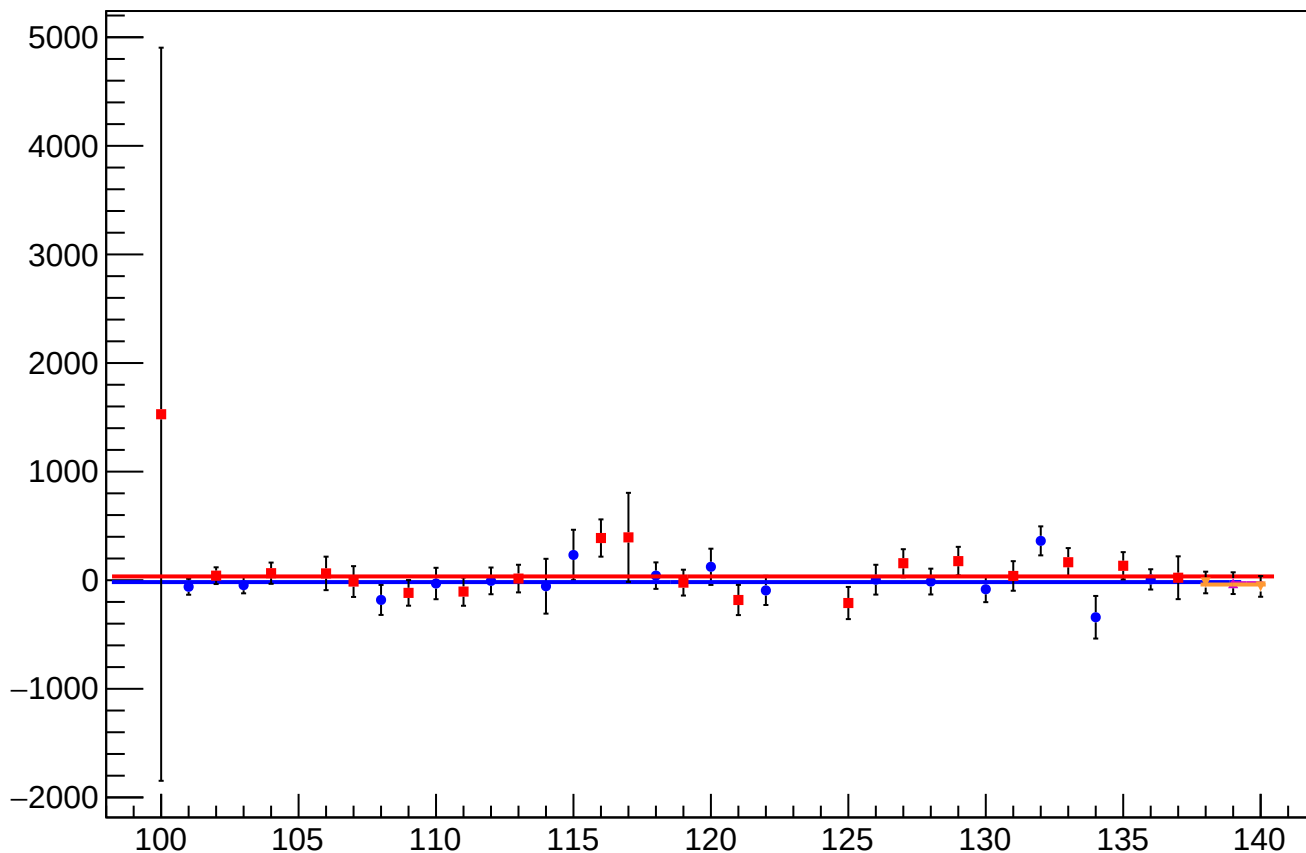
Left In: 1026.006+/-0.852 χ^2/NDF : 0.0/0

1069.398+/-0.268 χ^2/NDF : 313185.3/17

1085.457+/-0.195 χ^2/NDF : 693146.4/37

1103.528+/-0.284 χ^2/NDF : 372306.3/19

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: -39.603+/-68.911 χ^2/NDF : 0.1/1

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

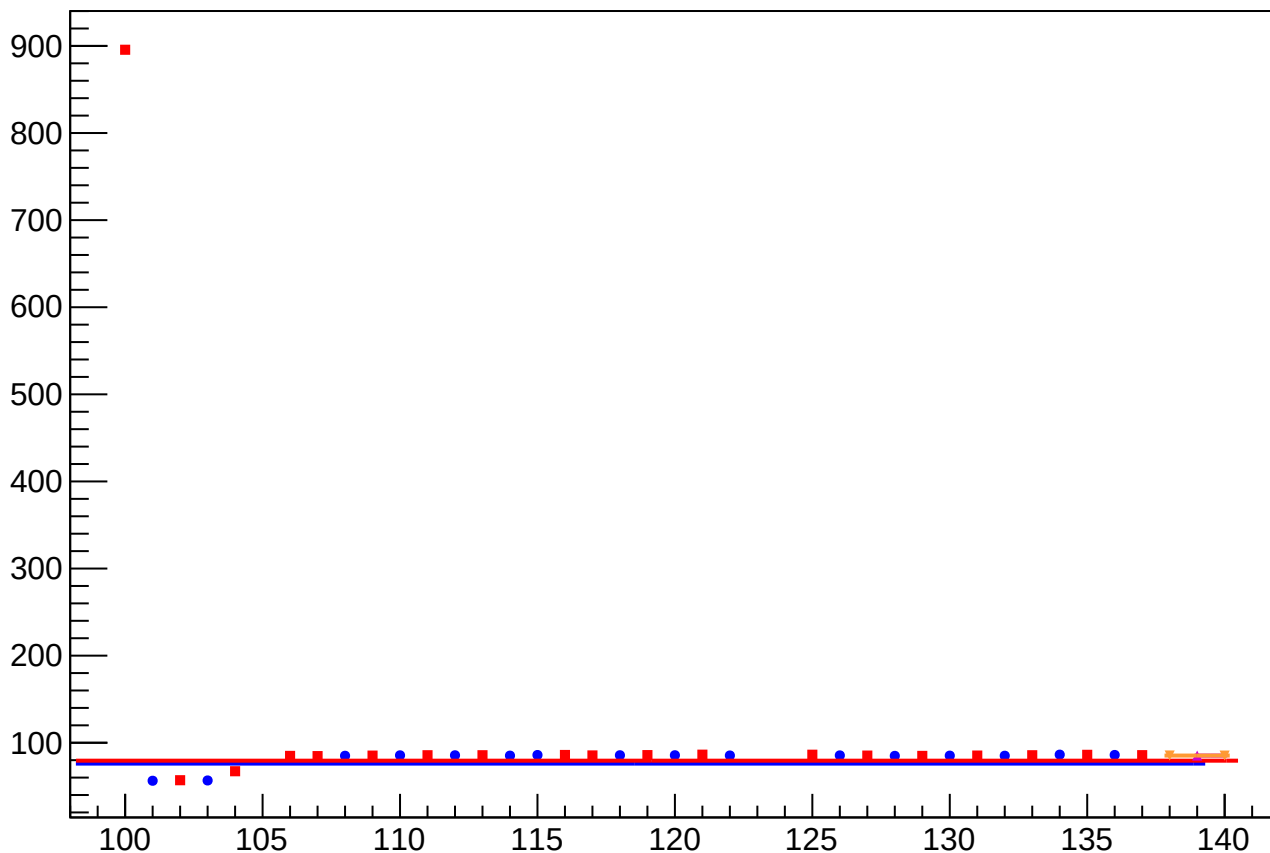
Left In: -27.102+/-100.077 χ^2/NDF : 0.0/0

-20.798+/-27.497 χ^2/NDF : 15.7/17

3.038+/-19.971 χ^2/NDF : 35.0/37

29.651+/-29.055 χ^2/NDF : 17.7/19

reg_asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.079+/-0.021 χ^2/NDF : 409170.8/15

Left Out: 85.301+/-0.049 χ^2/NDF : 1.0/1

Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

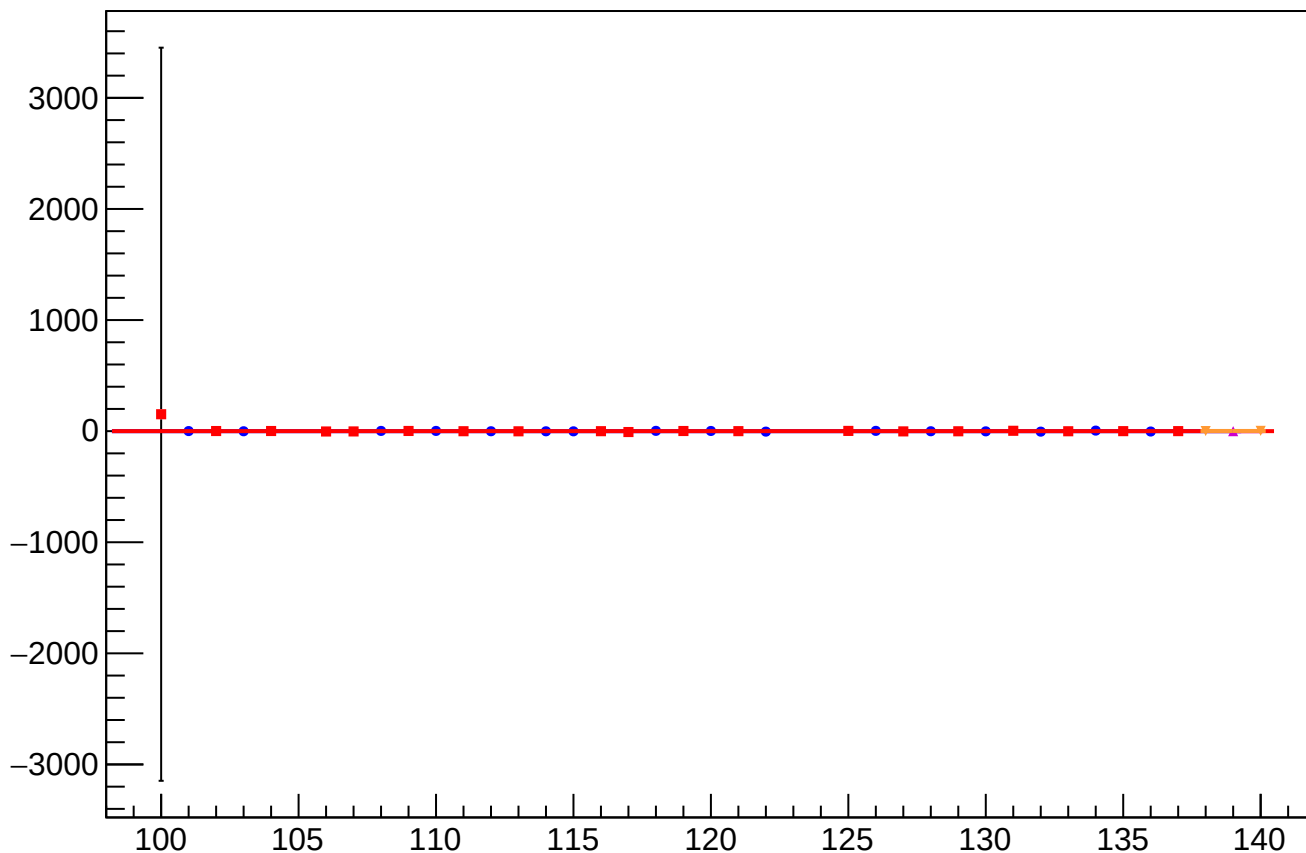
Left In: 85.272+/-0.071 χ^2/NDF : 0.0/0

77.547+/-0.019 χ^2/NDF : 439284.8/17

78.667+/-0.014 χ^2/NDF : 831512.1/37

79.916+/-0.021 χ^2/NDF : 385215.7/19

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 1.669 ± 1.300 χ^2/NDF : 0.4/1

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

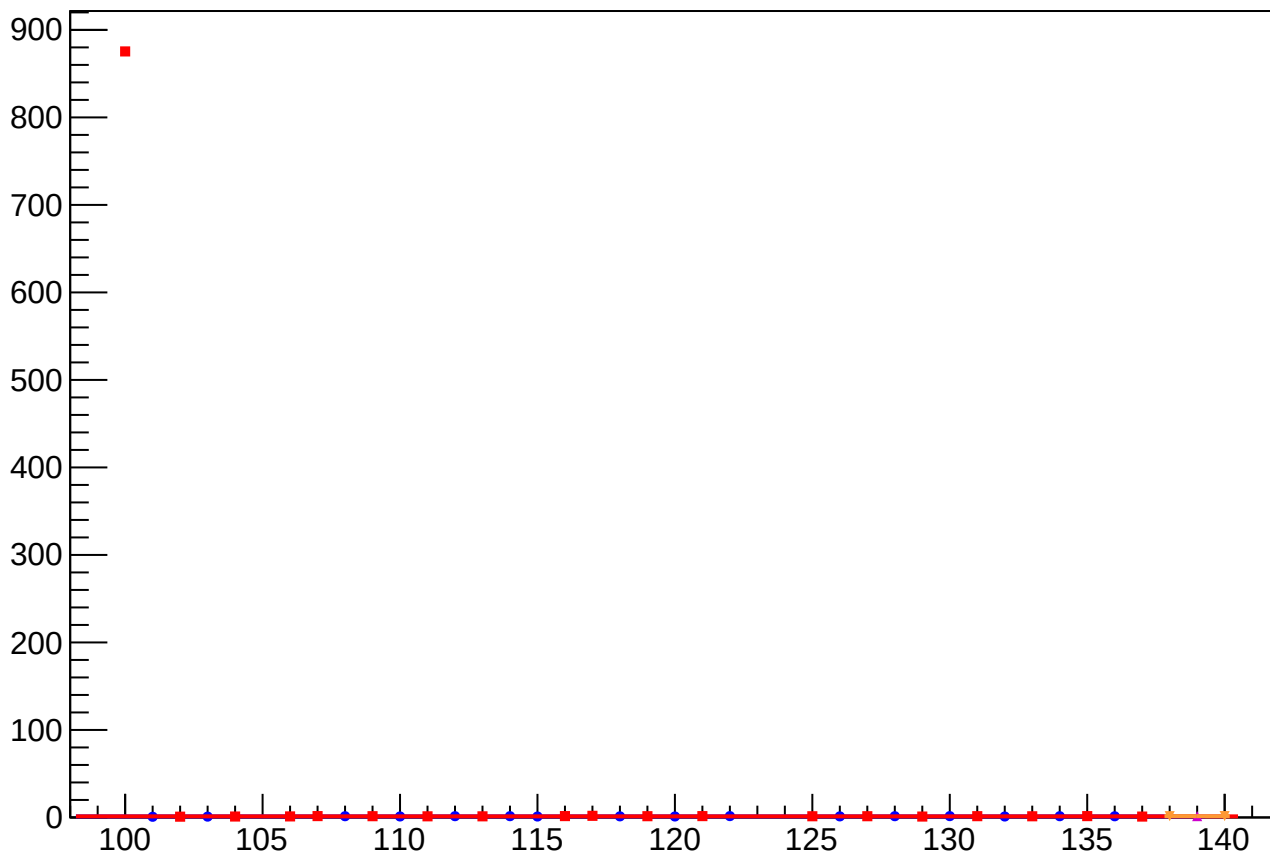
Left In: -0.184 ± 1.869 χ^2/NDF : 0.0/0

-0.028 ± 0.468 χ^2/NDF : 23.5/17

0.001 ± 0.342 χ^2/NDF : 33.3/37

0.035 ± 0.501 χ^2/NDF : 9.8/19

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.512 $\pm$ 0.001 χ^2 /NDF: 2577.1/1

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

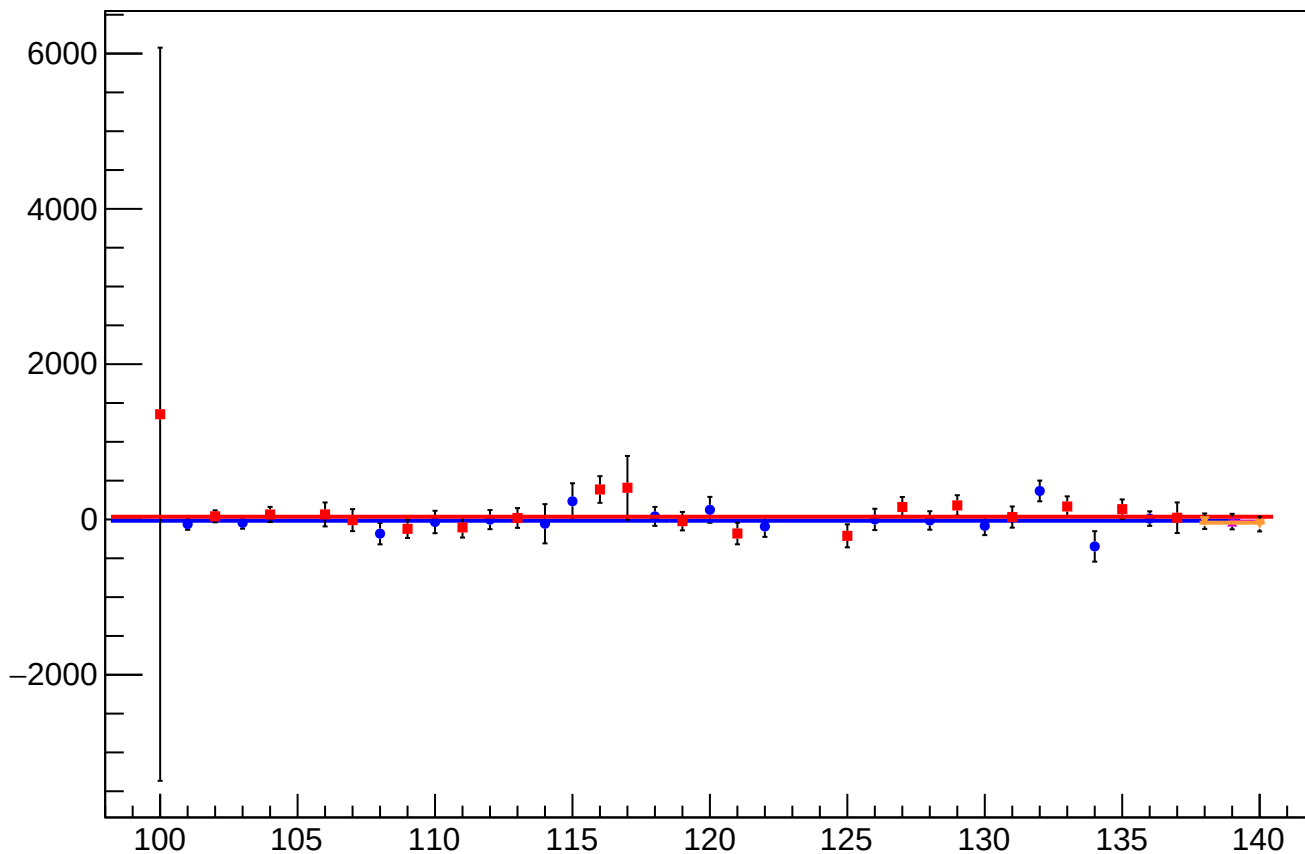
Left In: 1.517 $\pm$ 0.001 χ^2 /NDF: 0.0/0

1.199 $\pm$ 0.000 χ^2 /NDF: 650212.5/17

1.231 $\pm$ 0.000 χ^2 /NDF: 1234881.4/37

1.268 $\pm$ 0.000 χ^2 /NDF: 564165.0/19

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: -41.171+/-68.930 χ^2/NDF : 0.1/1

Right Out: 35.172+/-30.371 χ^2/NDF : 17.4/18

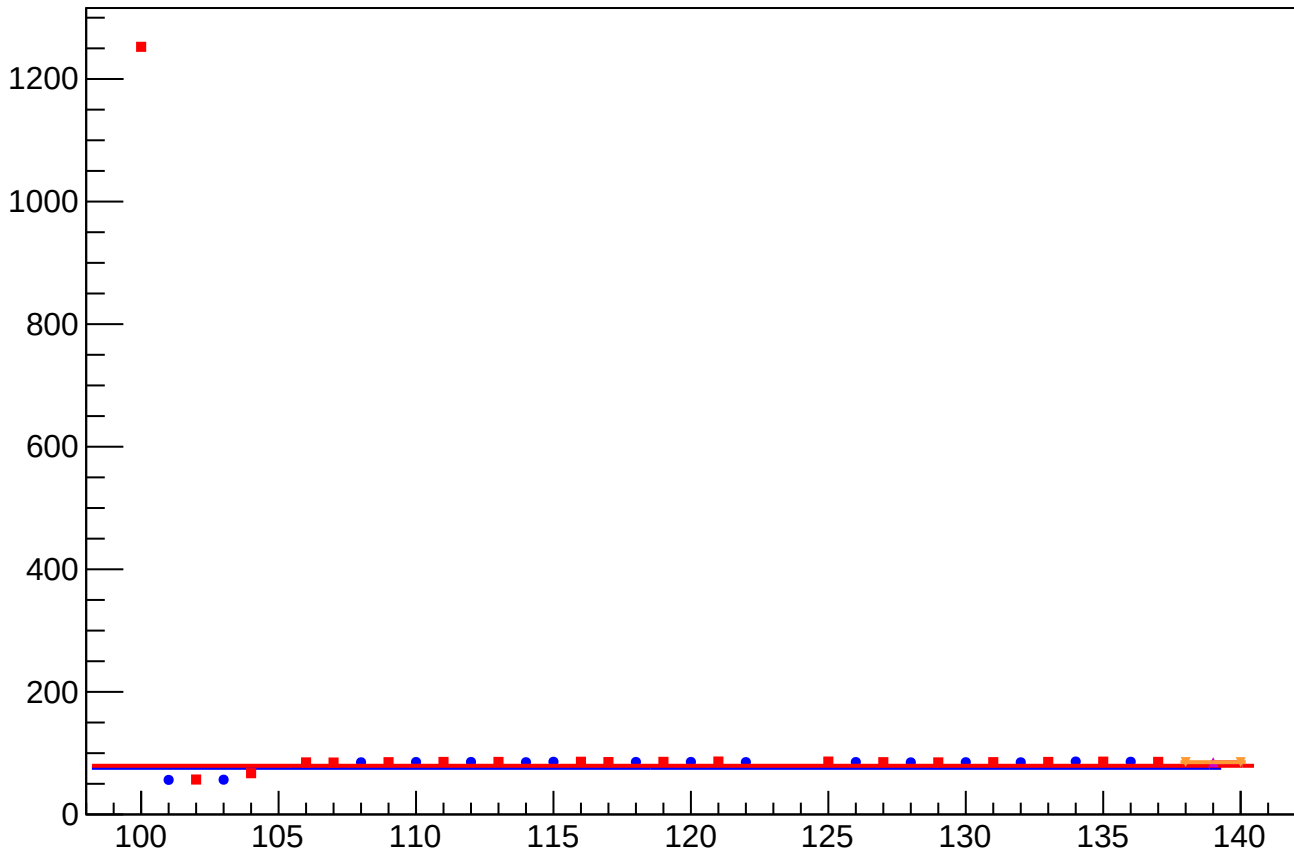
Left In: -27.199+/-100.103 χ^2/NDF : 0.0/0

-20.269+/-27.504 χ^2/NDF : 16.0/17

3.441+/-19.977 χ^2/NDF : 35.3/37

29.915+/-29.063 χ^2/NDF : 17.7/19

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.324 $\pm$ 0.049 χ^2 /NDF: 1.0/1

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

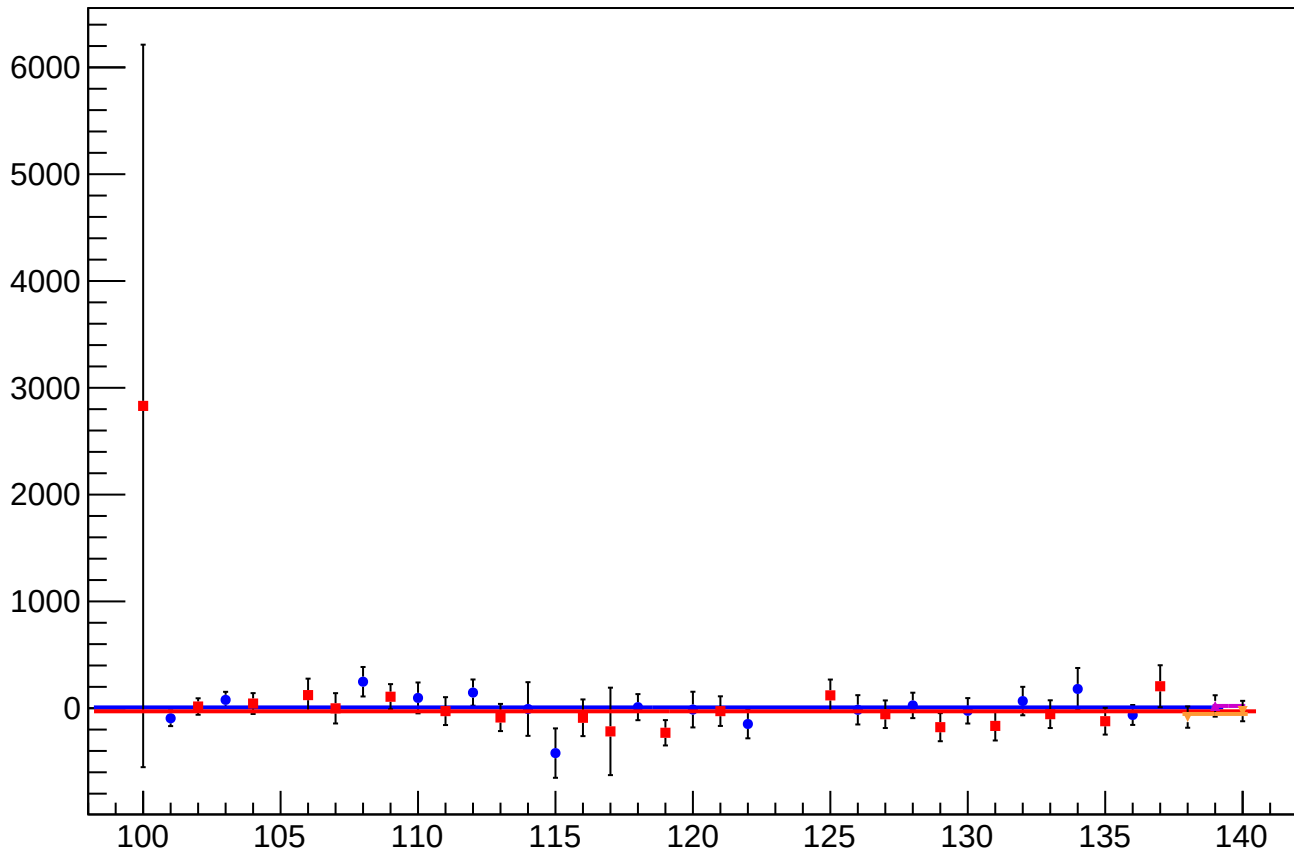
Left In: 85.294 $\pm$ 0.071 χ^2 /NDF: 0.0/0

77.568 $\pm$ 0.019 χ^2 /NDF: 439317.8/17

78.680 $\pm$ 0.014 χ^2 /NDF: 838013.1/37

79.921 $\pm$ 0.021 χ^2 /NDF: 391777.3/19

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: -53.678+/-68.949 χ^2/NDF : 0.2/1

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

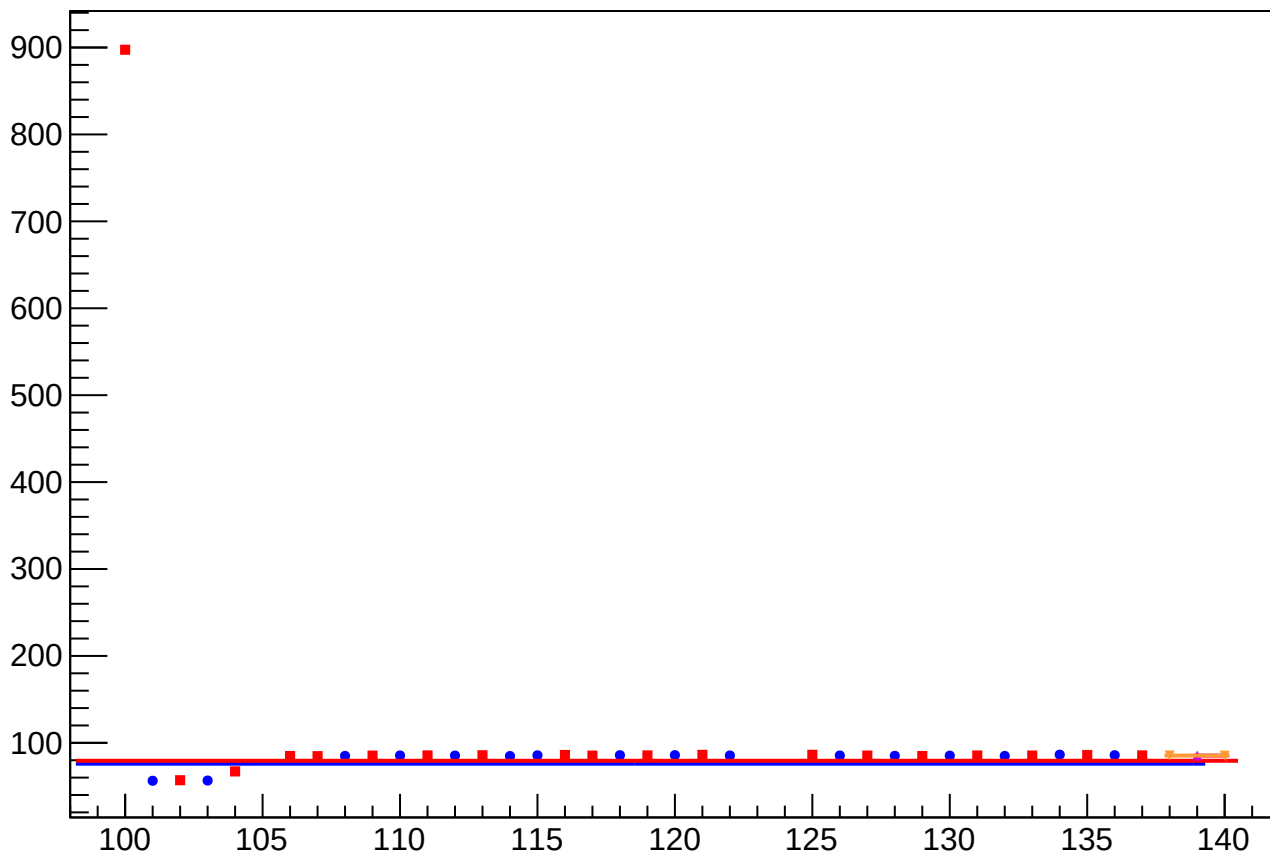
Left In: 21.266+/-100.146 χ^2/NDF : 0.0/0

-2.255+/-27.485 χ^2/NDF : 14.8/17

-12.877+/-19.962 χ^2/NDF : 28.0/37

-24.735+/-29.040 χ^2/NDF : 12.9/19

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.347 $\pm$ 0.049 χ^2 /NDF: 5.6/1

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

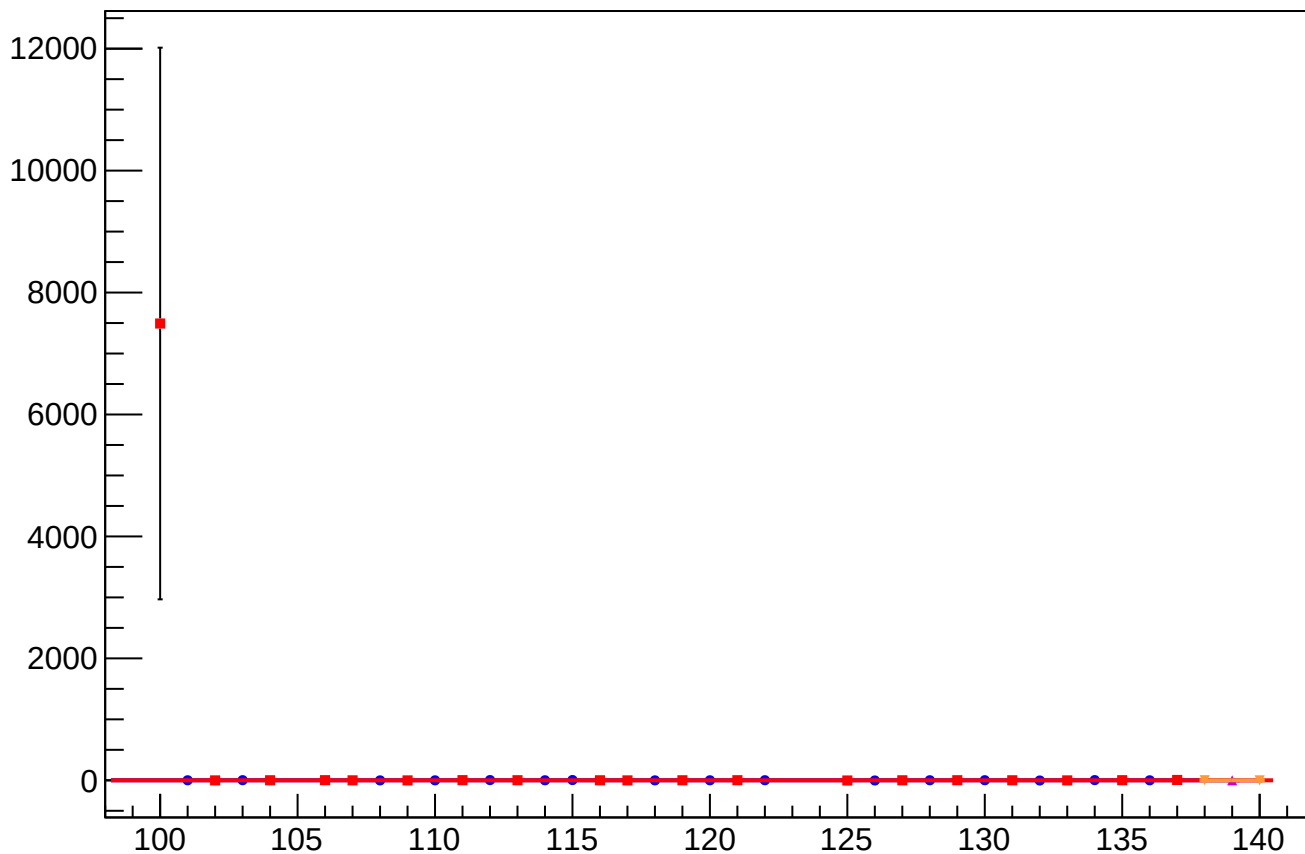
Left In: 85.331 $\pm$ 0.071 χ^2 /NDF: 0.0/0

77.512 $\pm$ 0.019 χ^2 /NDF: 439630.6/17

78.629 $\pm$ 0.014 χ^2 /NDF: 831892.8/37

79.875 $\pm$ 0.021 χ^2 /NDF: 385275.0/19

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.302+/-1.217 χ^2/NDF : 0.9/1

Right Out: 0.304+/-0.547 χ^2/NDF : 12.6/18

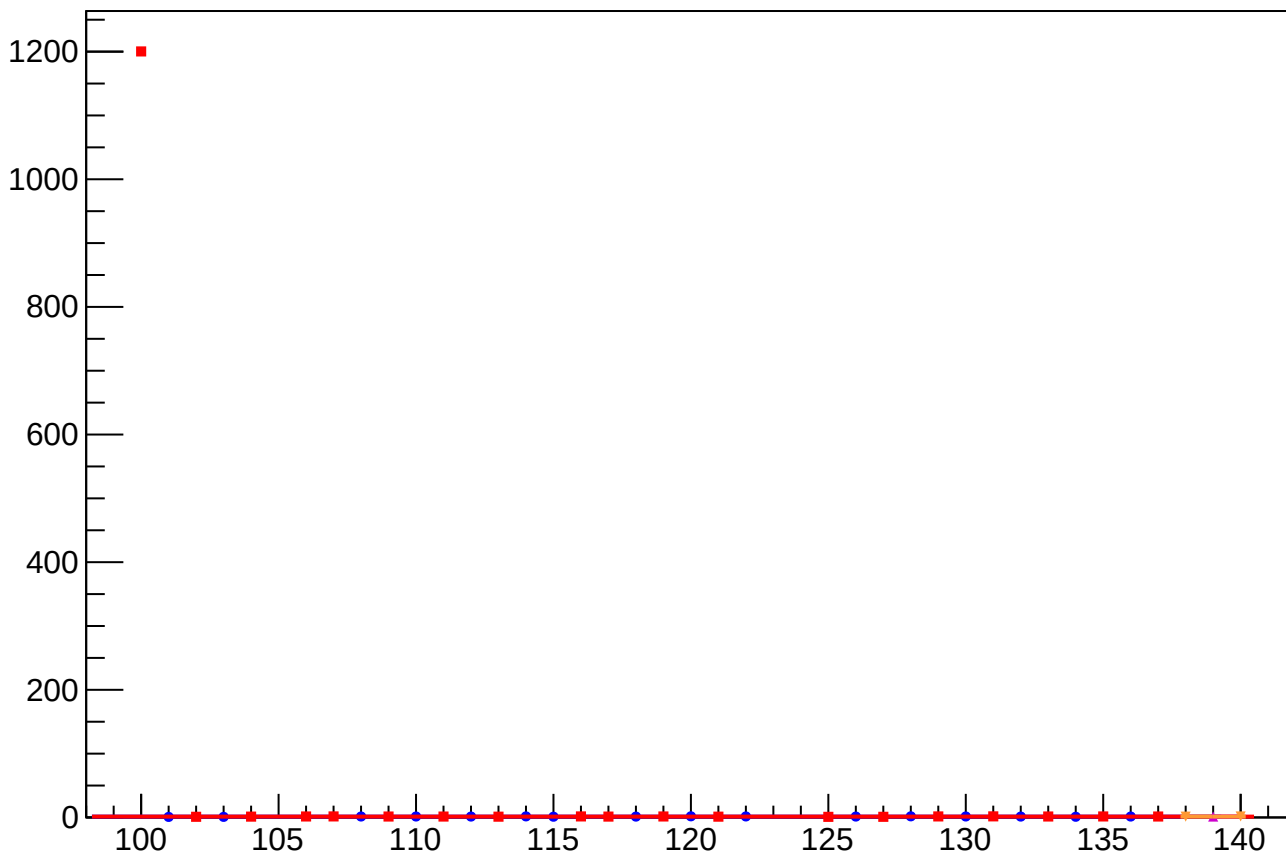
Left In: -0.085+/-1.777 χ^2/NDF : 0.0/0

0.813+/-0.488 χ^2/NDF : 13.1/17

0.560+/-0.356 χ^2/NDF : 26.3/37

0.270+/-0.522 χ^2/NDF : 12.7/19

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.388 $\pm$ 0.001 χ^2 /NDF: 28943.8/1

Right Out: 1.318 $\pm$ 0.000 χ^2 /NDF: 521623.7/18

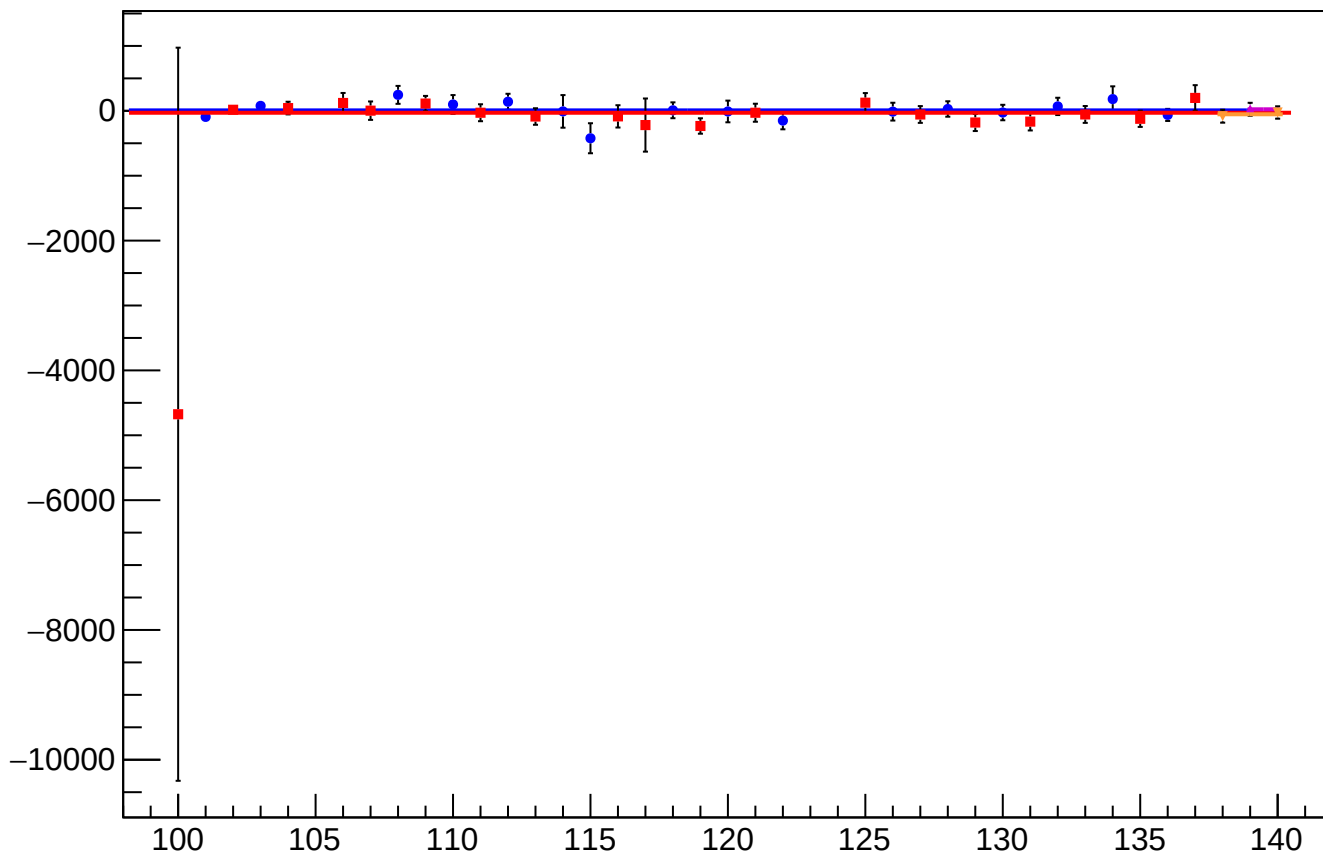
Left In: 1.407 $\pm$ 0.001 χ^2 /NDF: 0.0/0

1.262 $\pm$ 0.000 χ^2 /NDF: 712276.4/17

1.291 $\pm$ 0.000 χ^2 /NDF: 1254323.8/37

1.325 $\pm$ 0.000 χ^2 /NDF: 526228.5/19

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: -53.169 ± 68.967 χ^2/NDF : 0.2/1

Right Out: -29.600 ± 30.353 χ^2/NDF : 12.9/18

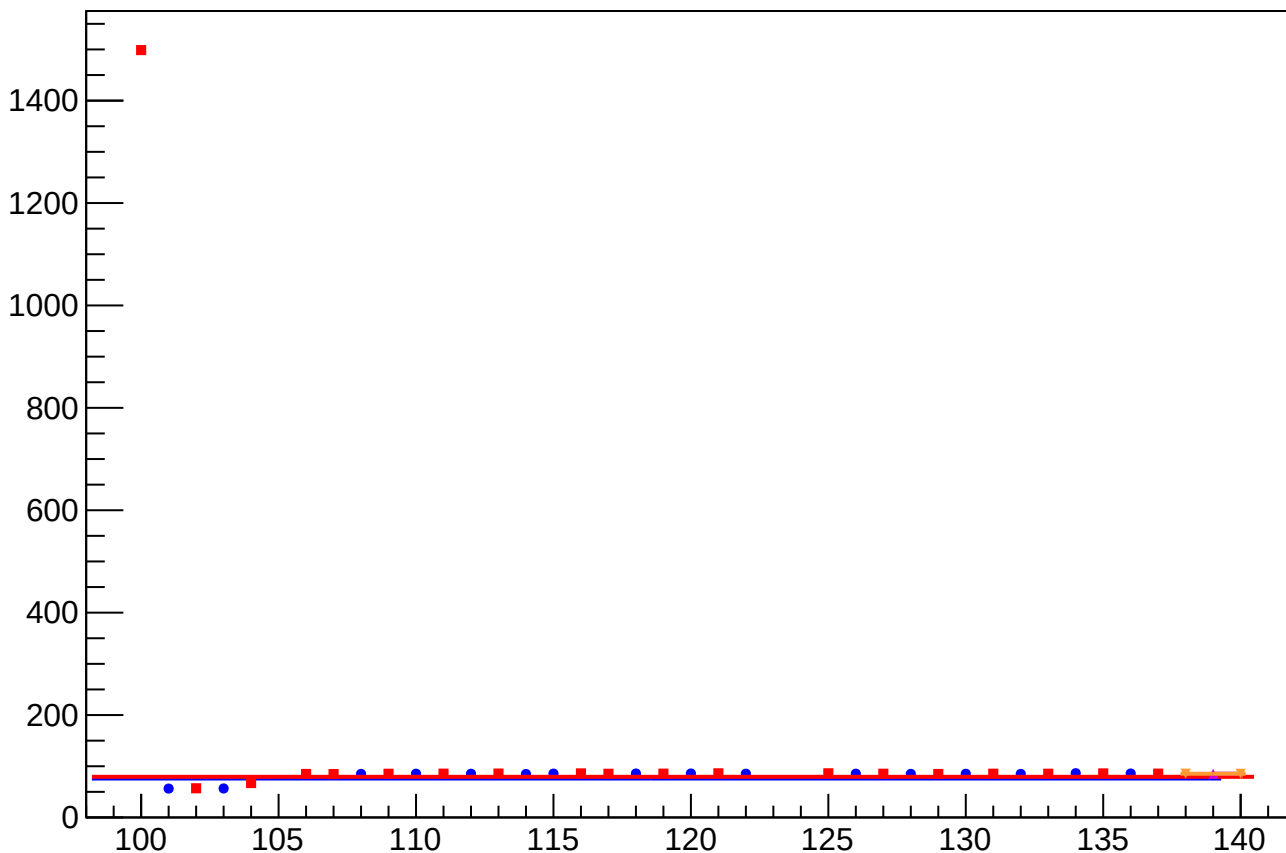
Left In: 23.443 ± 100.174 χ^2/NDF : 0.0/0

-2.745 ± 27.492 χ^2/NDF : 14.6/17

-13.326 ± 19.968 χ^2/NDF : 28.1/37

-25.139 ± 29.049 χ^2/NDF : 13.1/19

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.370 $\pm$ 0.049 χ^2 /NDF: 5.4/1

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

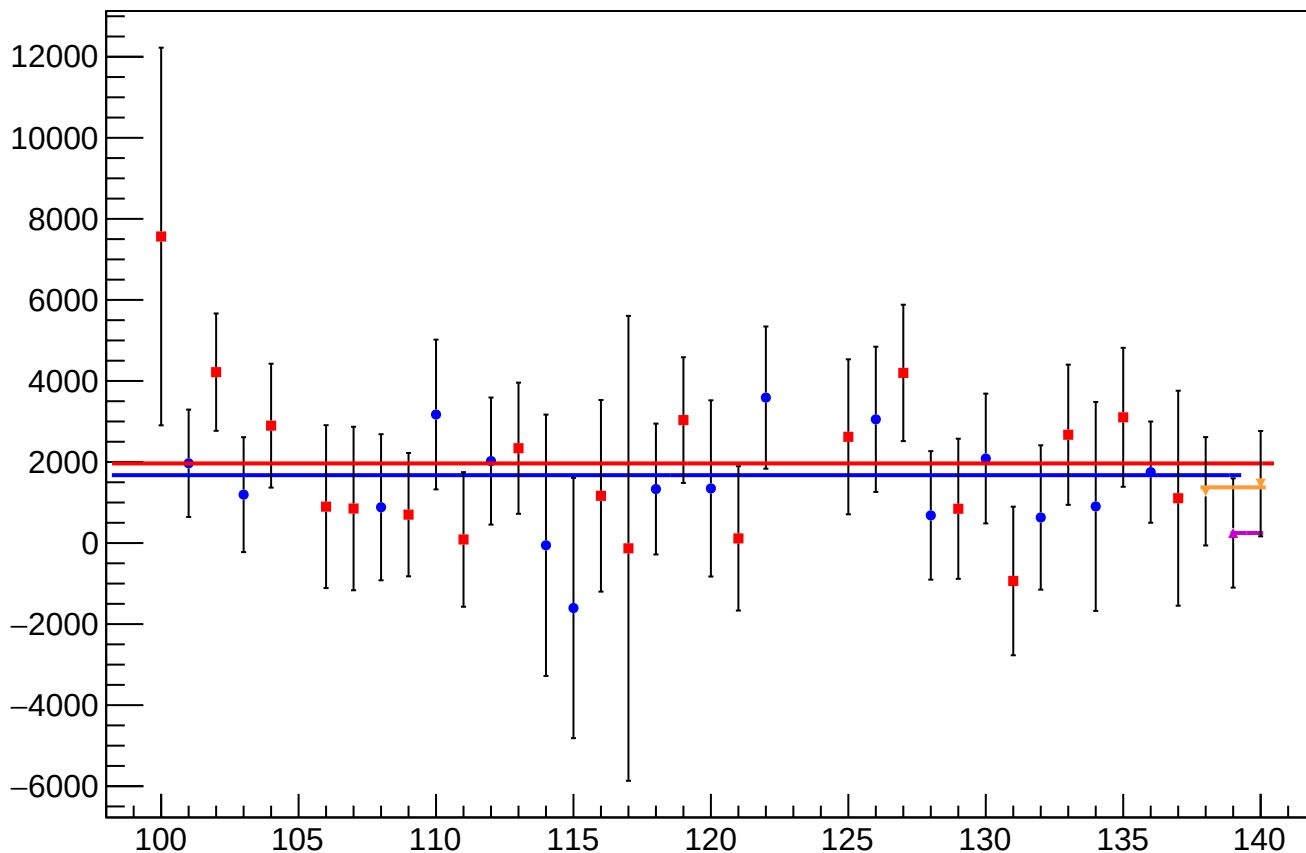
Left In: 85.355 $\pm$ 0.071 χ^2 /NDF: 0.0/0

77.533 $\pm$ 0.019 χ^2 /NDF: 439673.4/17

78.639 $\pm$ 0.014 χ^2 /NDF: 841120.5/37

79.874 $\pm$ 0.021 χ^2 /NDF: 394592.5/19

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1374.145 $\pm$ 932.133 χ^2 /NDF: 0.0/1

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

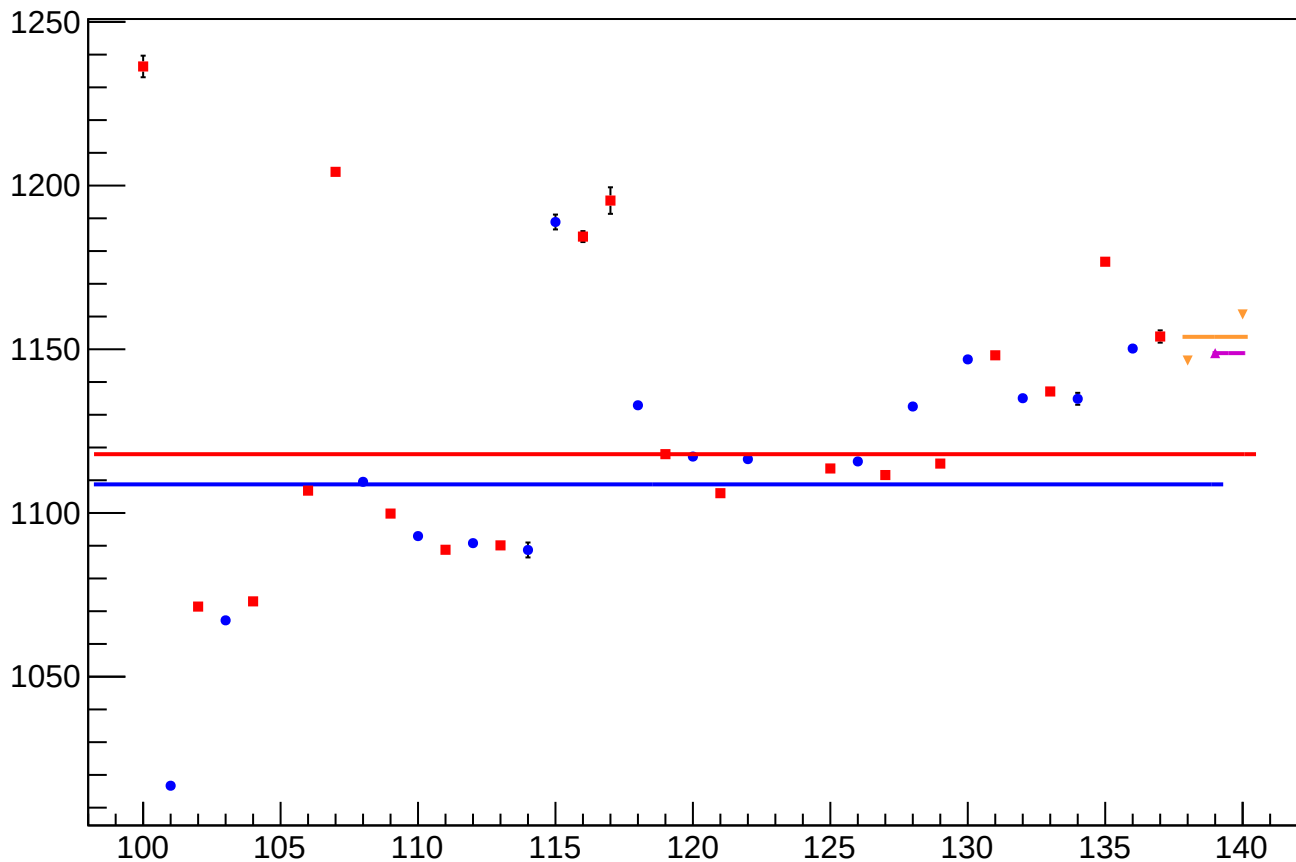
Left In: 248.256 $\pm$ 1348.288 χ^2 /NDF: 0.0/0

1622.084 $\pm$ 390.904 χ^2 /NDF: 5.2/17

1714.487 $\pm$ 280.284 χ^2 /NDF: 21.0/37

1812.257 $\pm$ 402.095 χ^2 /NDF: 15.6/19

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1153.802 $\pm$ 0.659 χ^2 /NDF: 113.9/1

Right Out: 1117.959 $\pm$ 0.298 χ^2 /NDF: 15881.8/18

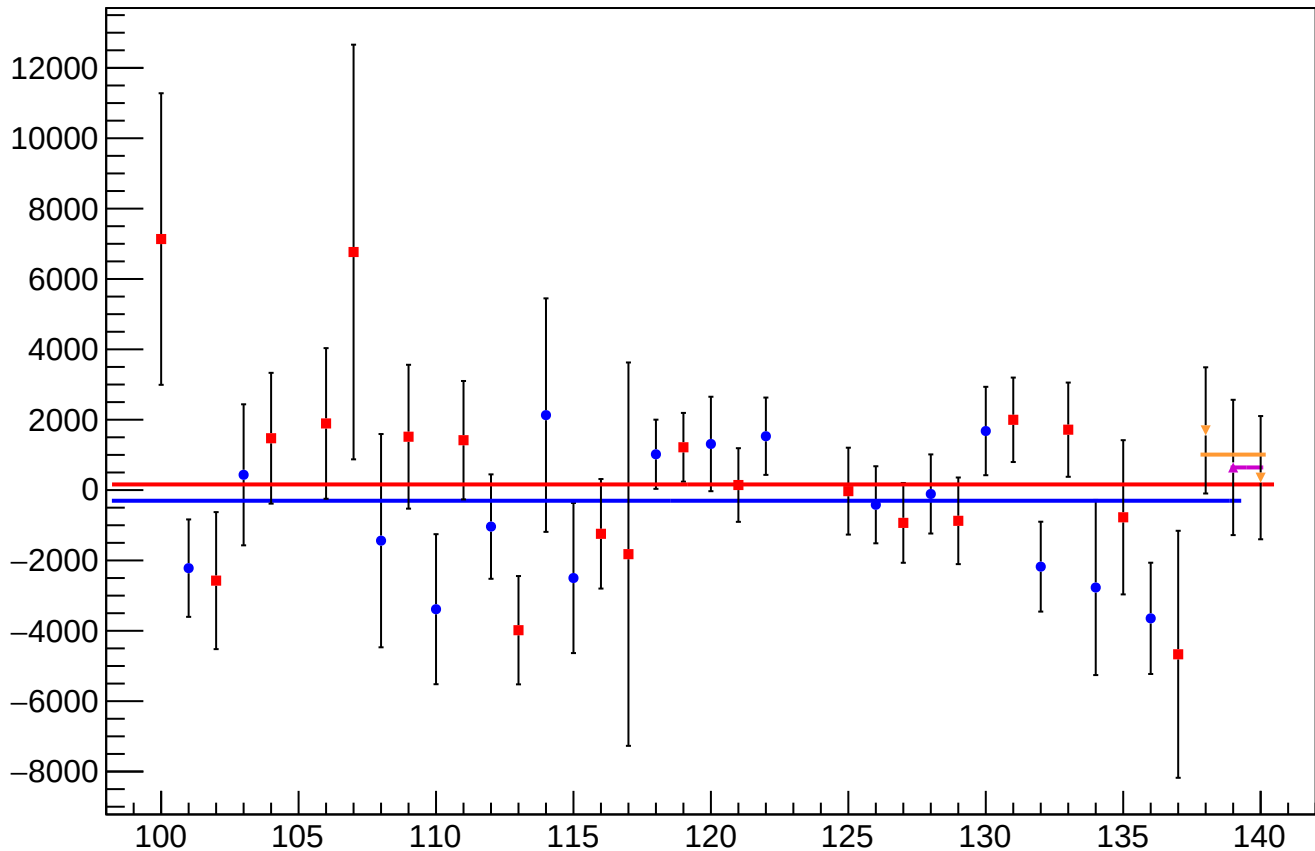
Left In: 1148.824 $\pm$ 0.953 χ^2 /NDF: 0.0/0

1116.664 $\pm$ 0.276 χ^2 /NDF: 22046.8/17

1118.627 $\pm$ 0.198 χ^2 /NDF: 38987.2/37

1120.704 $\pm$ 0.284 χ^2 /NDF: 16836.7/19

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: 1008.500+/-1252.971 χ^2/NDF : 0.3/1

Right Out: 160.376+/-355.478 χ^2/NDF : 25.0/18

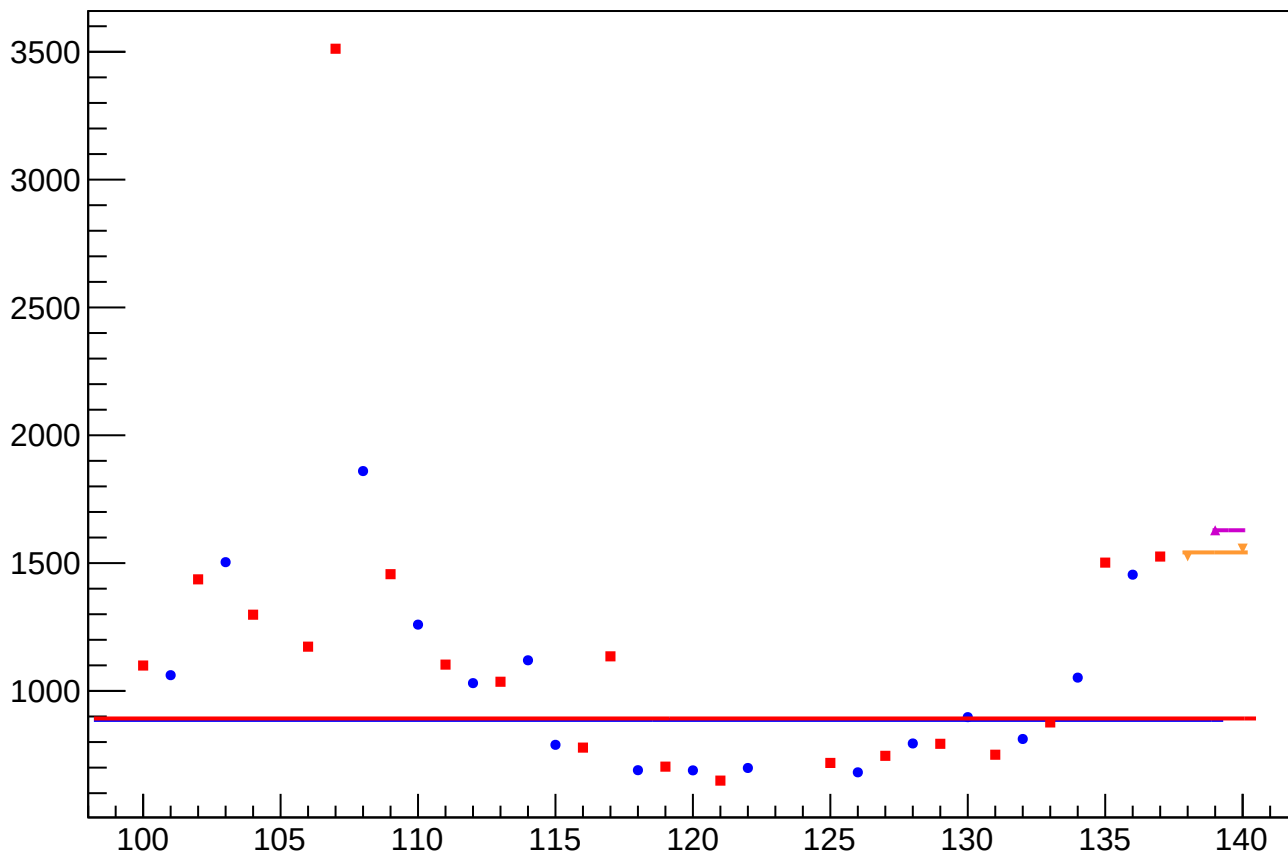
Left In: 643.020+/-1922.846 χ^2/NDF : 0.0/0

-203.265+/-346.062 χ^2/NDF : 23.6/17

-15.375+/-245.928 χ^2/NDF : 49.2/37

176.326+/-349.555 χ^2/NDF : 25.1/19

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1541.810+/-0.886 χ^2/NDF : 291.4/1

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

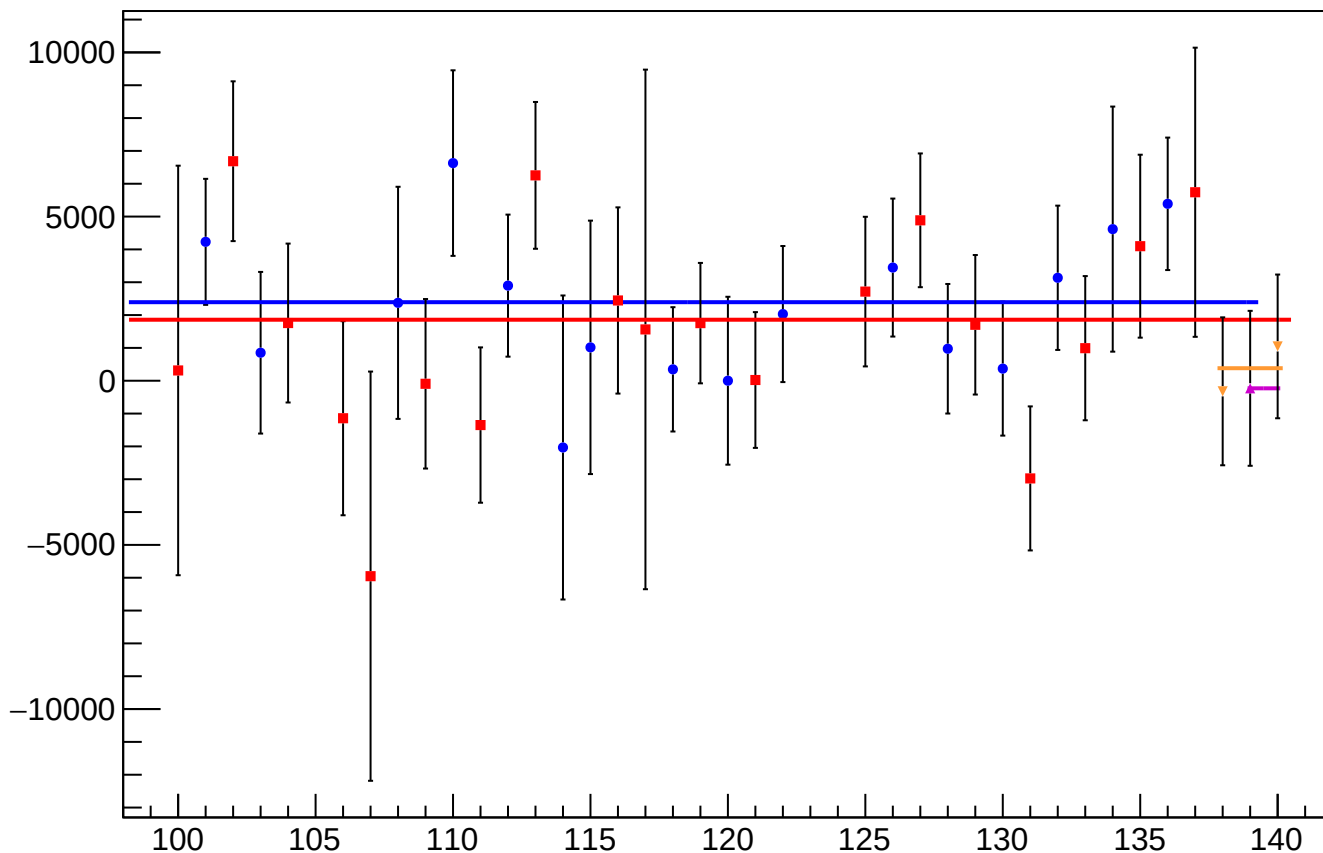
Left In: 1628.489+/-1.360 χ^2/NDF : 0.0/0

936.665+/-0.245 χ^2/NDF : 1566197.2/17

926.717+/-0.174 χ^2/NDF : 3271252.9/37

916.567+/-0.247 χ^2/NDF : 1701716.7/19

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 381.356 $\pm$ 1569.749 χ^2 /NDF: 0.2/1

Right Out: 1858.263 $\pm$ 581.542 χ^2 /NDF: 22.5/18

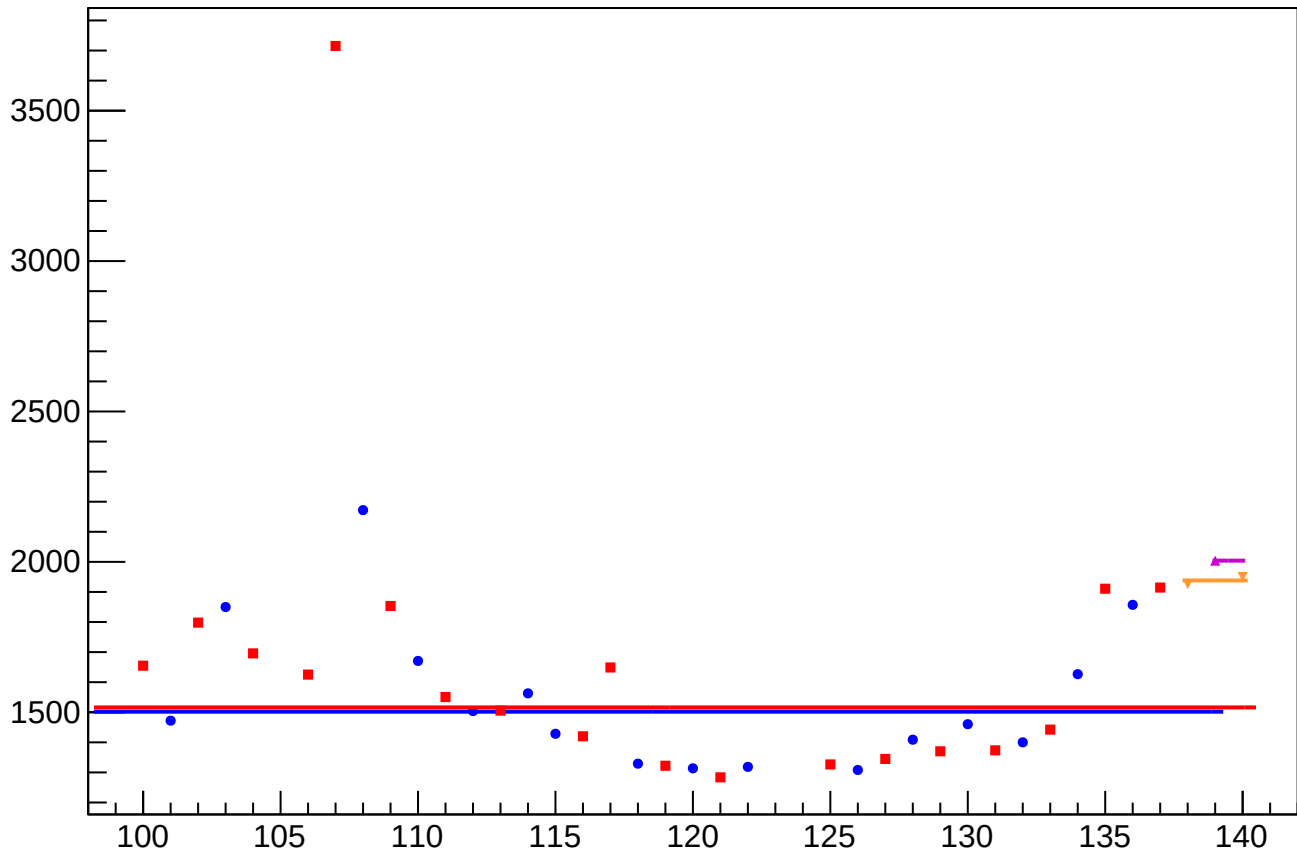
Left In: -231.200 $\pm$ 2359.596 χ^2 /NDF: 0.0/0

2144.202 $\pm$ 551.451 χ^2 /NDF: 12.8/17

1946.202 $\pm$ 394.517 χ^2 /NDF: 36.3/37

1738.613 $\pm$ 564.646 χ^2 /NDF: 23.2/19

asym_usl_rms vs Slug, Sign Corrected



Right In: 1501.937 $\pm$ 0.416 χ^2 /NDF: 254549.7/15

Left Out: 1938.168 $\pm$ 1.110 χ^2 /NDF:112.2/1

Right Out: 1516.127 $\pm$ 0.411 χ^2 /NDF: 480325.9/18

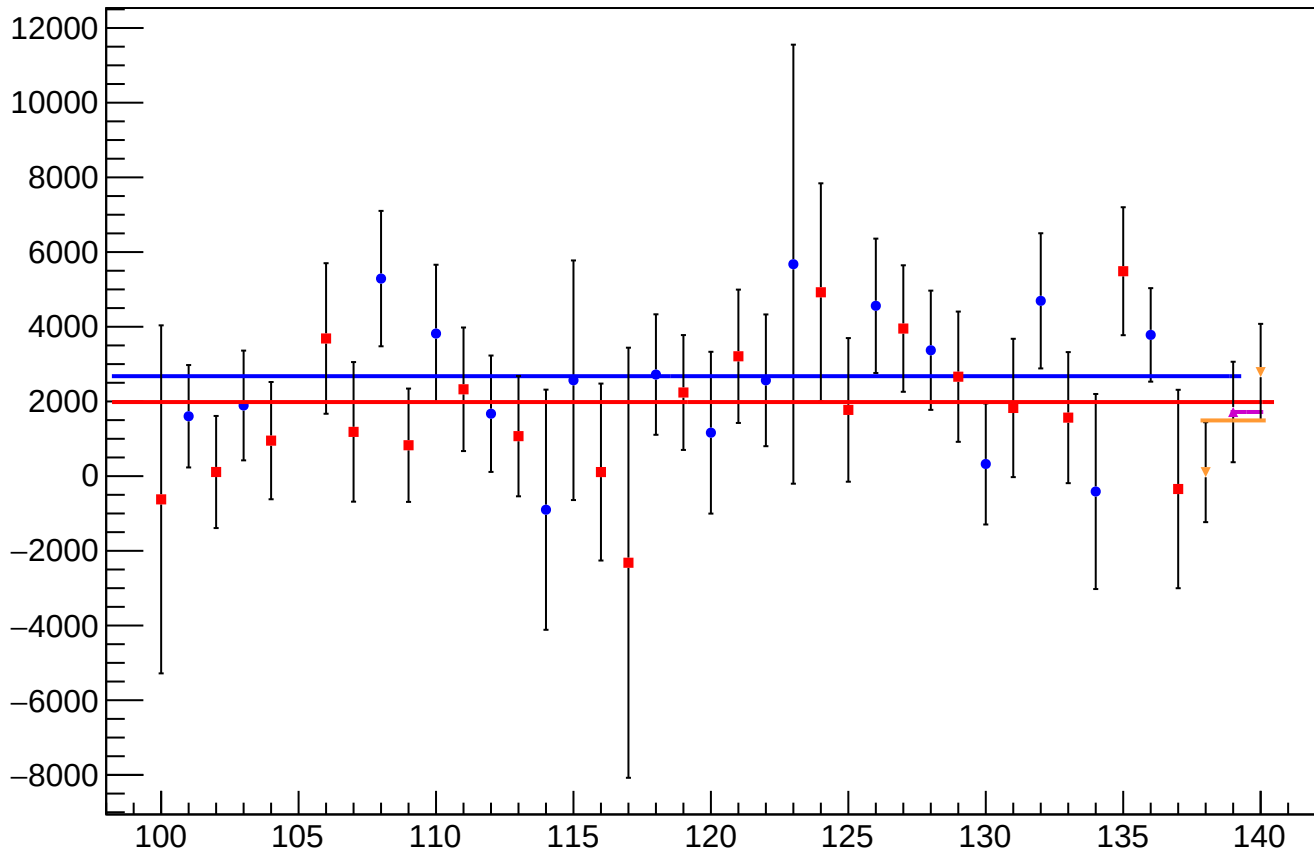
Left In: 2004.094 $\pm$ 1.668 χ^2 /NDF:0.0/0

1555.772 $\pm$ 0.390 χ^2 /NDF: 390056.1/17

1550.059 $\pm$ 0.279 χ^2 /NDF: 951457.3/37

1544.069 $\pm$ 0.399 χ^2 /NDF: 560961.5/19

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1491.708 $\pm$ 929.508 χ^2 /NDF: 2.1/1

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

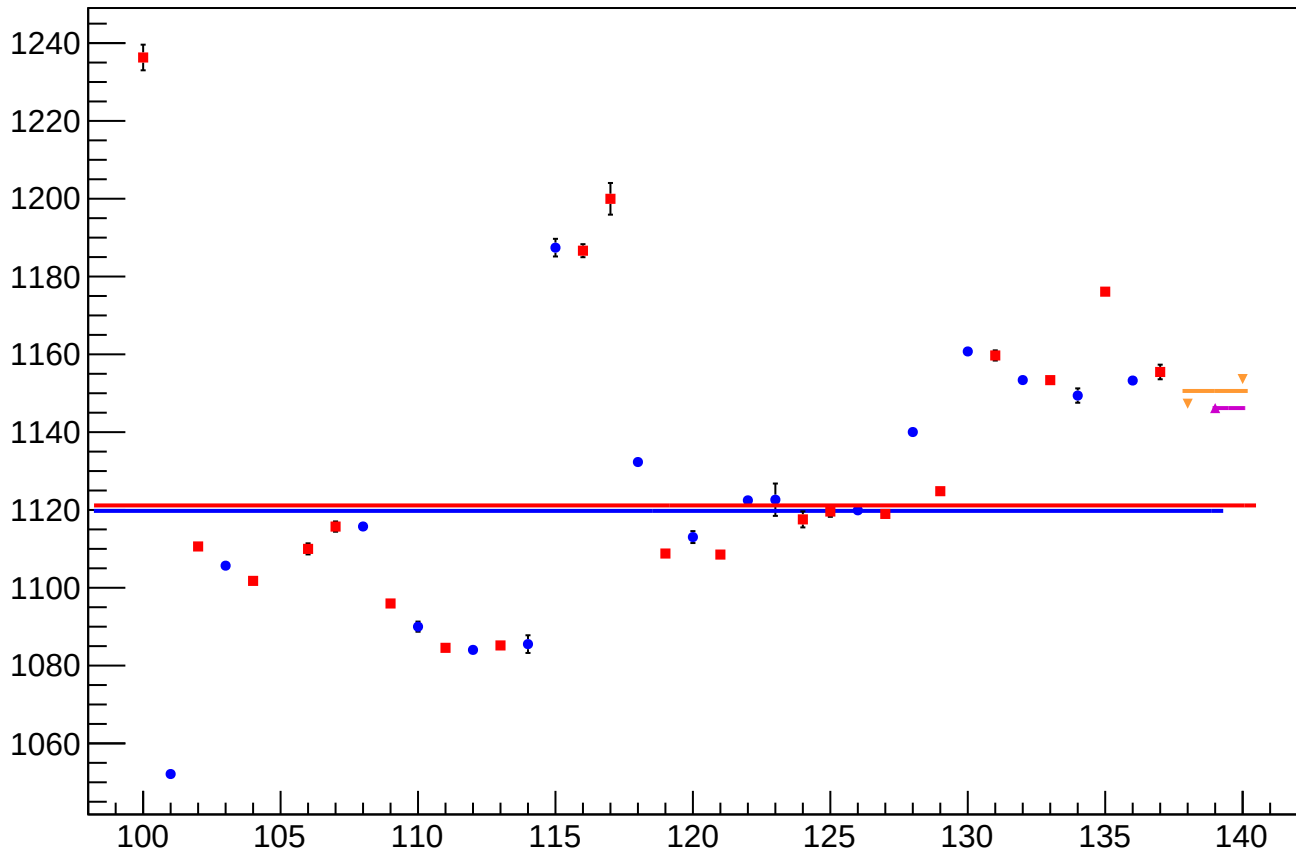
Left In: 1717.821 $\pm$ 1345.190 χ^2 /NDF: 0.0/0

2464.923 $\pm$ 392.935 χ^2 /NDF: 16.0/18

2216.643 $\pm$ 280.044 χ^2 /NDF: 30.2/39

1960.354 $\pm$ 399.223 χ^2 /NDF: 13.4/20

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1150.587 $\pm$ 0.657 χ^2 /NDF: 23.2/1

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

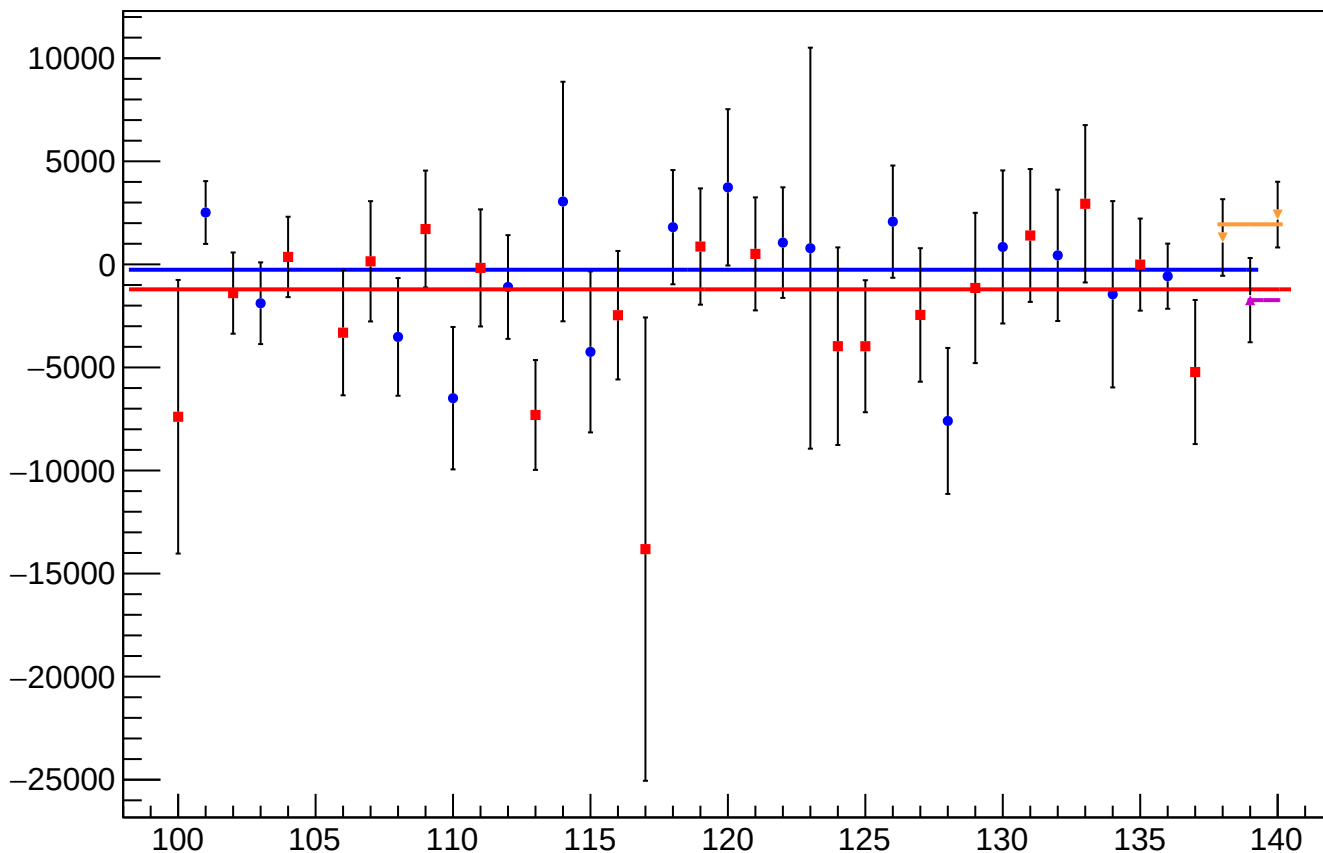
Left In: 1146.188 $\pm$ 0.951 χ^2 /NDF: 0.0/0

1125.271 $\pm$ 0.278 χ^2 /NDF: 13706.6/18

1124.334 $\pm$ 0.198 χ^2 /NDF: 24671.6/39

1123.368 $\pm$ 0.282 χ^2 /NDF: 10941.9/20

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 1943.369+/-1209.591 χ^2/NDF : 0.2/1

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

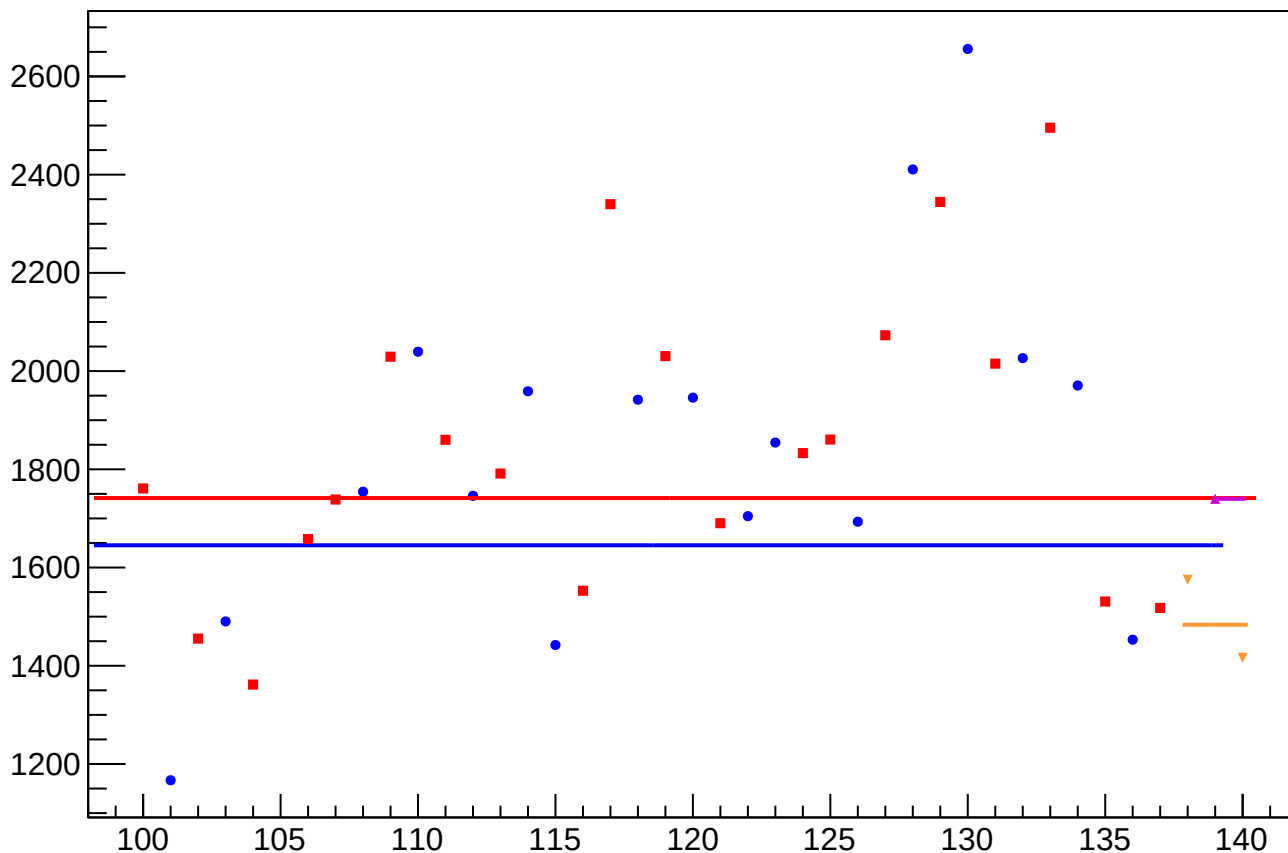
Left In: -1734.184+/-2043.854 χ^2/NDF : 0.0/0

240.058+/-576.162 χ^2/NDF : 20.0/18

-444.551+/-424.914 χ^2/NDF : 38.8/39

-1260.920+/-629.169 χ^2/NDF : 15.7/20

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1483.559+/-0.855 χ^2/NDF : 8454.0/1

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

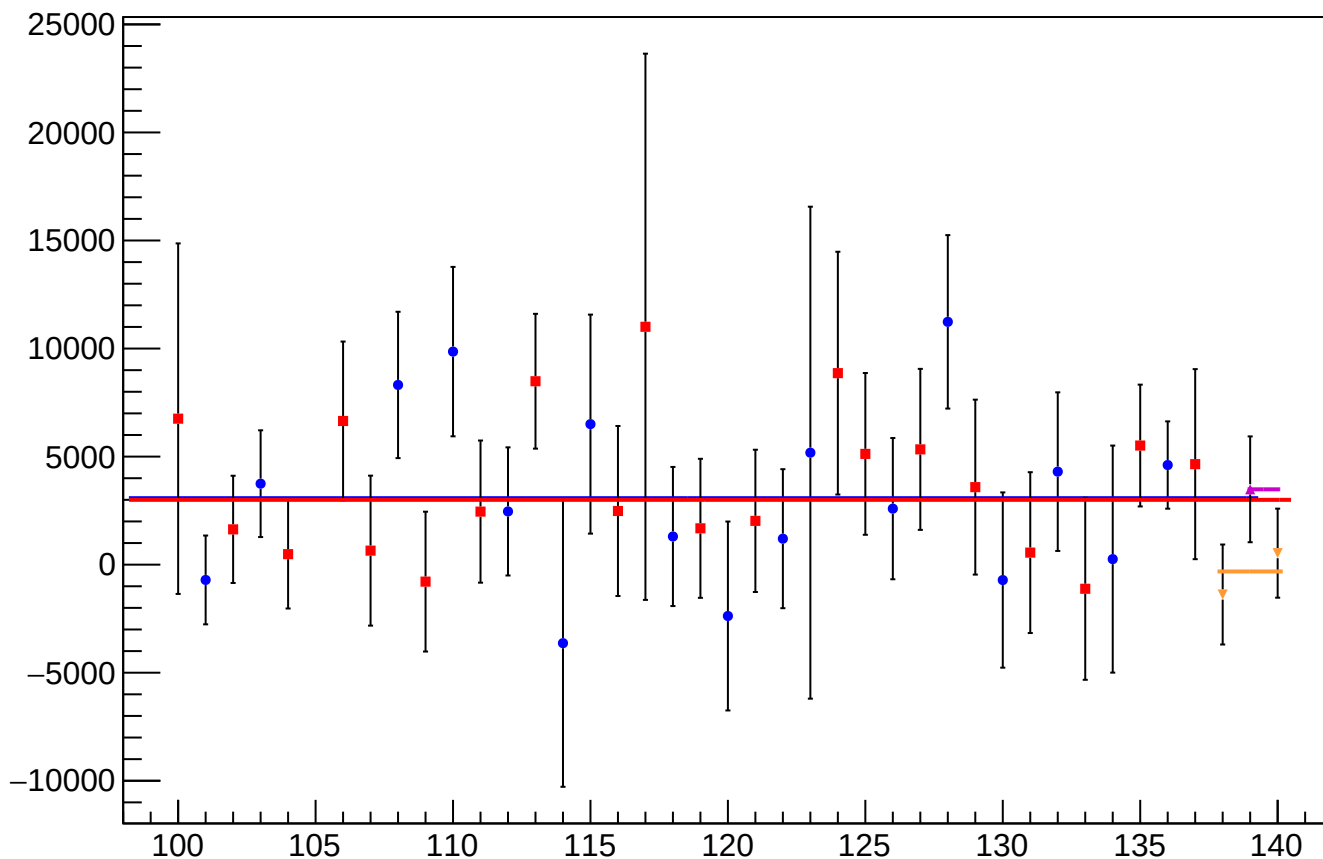
Left In: 1739.985+/-1.445 χ^2/NDF : 0.0/0

1608.608+/-0.407 χ^2/NDF : 637017.7/18

1669.139+/-0.300 χ^2/NDF : 1062119.5/39

1741.321+/-0.445 χ^2/NDF : 376703.1/20

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: -314.886 $\pm$ 1538.649 χ^2 /NDF:0.4/1

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

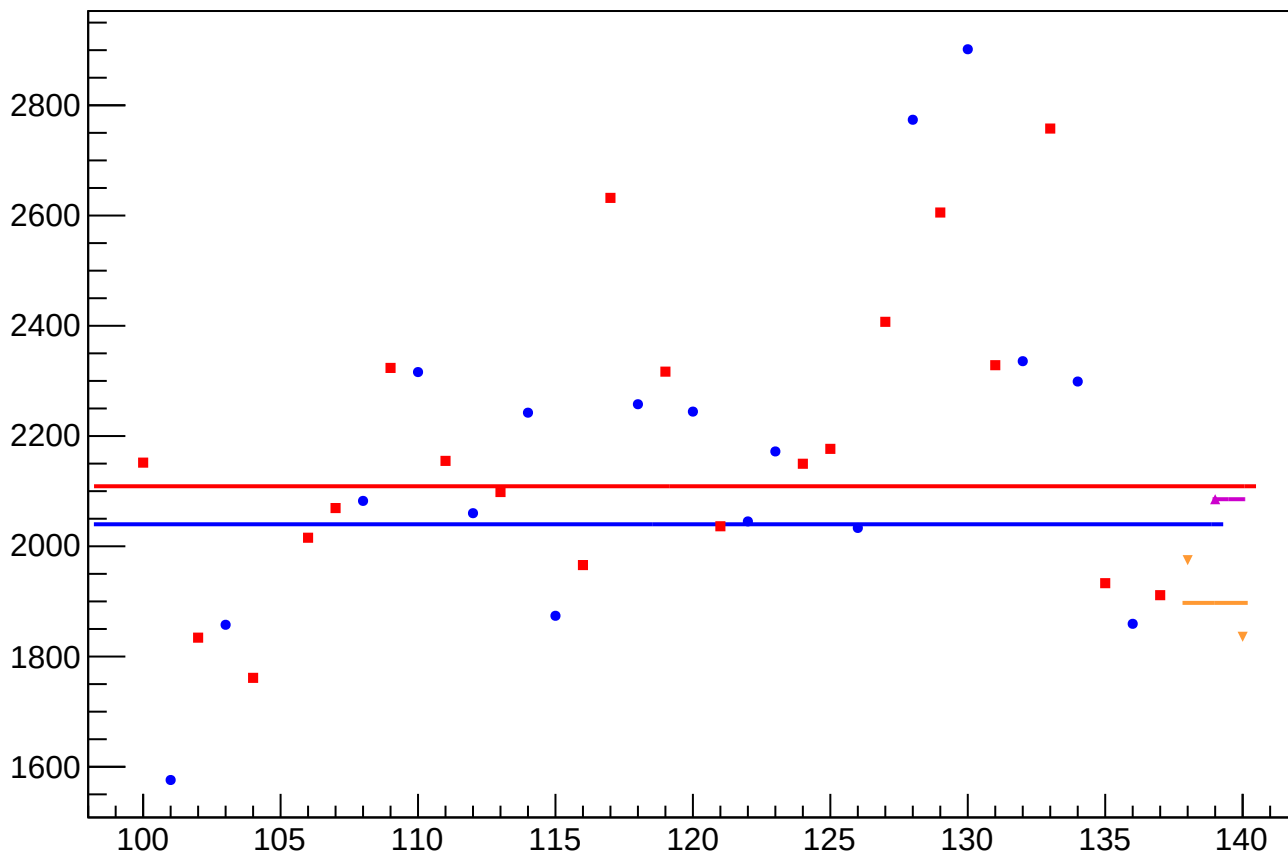
Left In: 3486.359 $\pm$ 2448.561 χ^2 /NDF:0.0/0

2350.734 $\pm$ 711.361 χ^2 /NDF: 22.8/18

2677.364 $\pm$ 517.858 χ^2 /NDF: 35.6/39

3045.629 $\pm$ 755.340 χ^2 /NDF: 12.3/20

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1897.343+/-1.088 χ^2/NDF : 4024.8/1

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

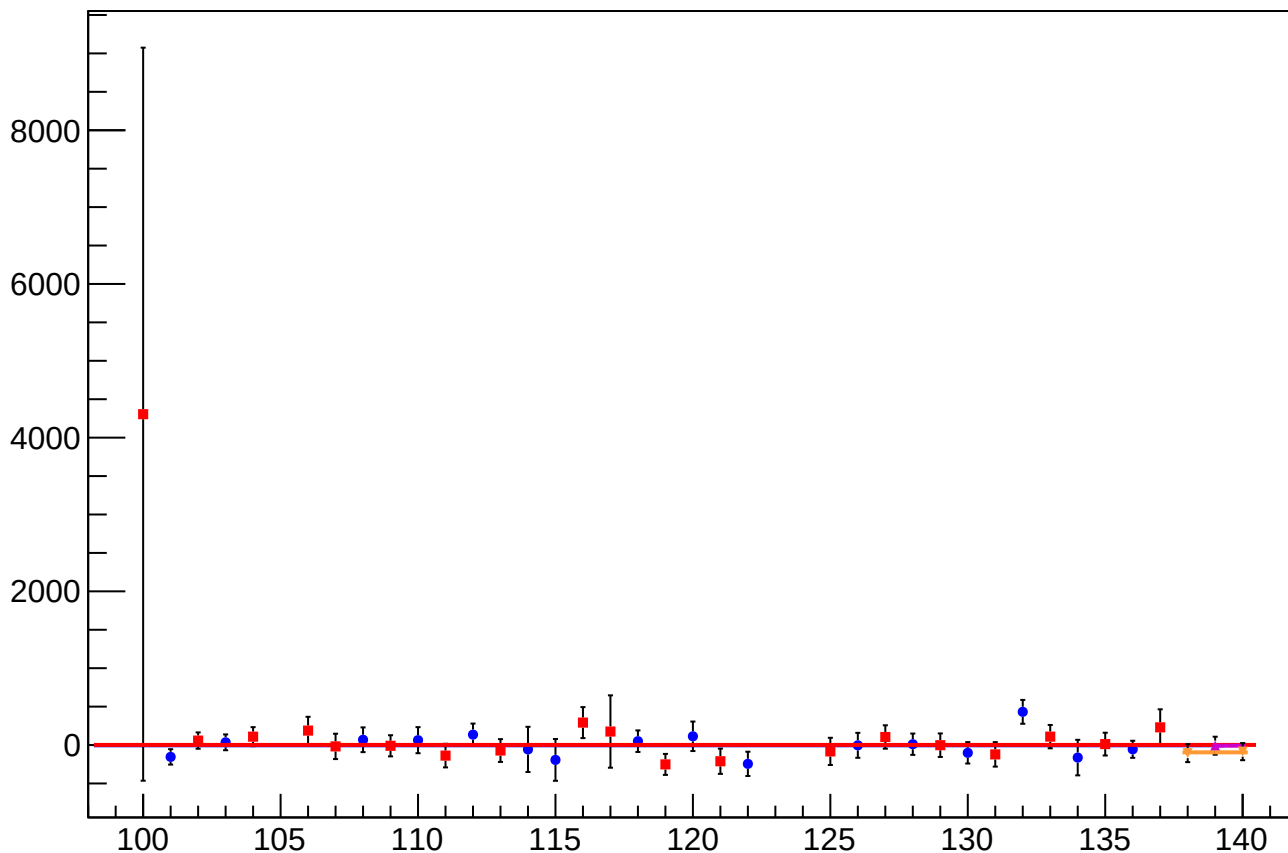
Left In: 2085.402+/-1.731 χ^2/NDF : 0.0/0

2009.462+/-0.503 χ^2/NDF : 349515.4/18

2055.153+/-0.366 χ^2/NDF : 566125.8/39

2106.669+/-0.534 χ^2/NDF : 199056.0/20

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: -95.036+/-80.644 χ^2/NDF : 0.0/1

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

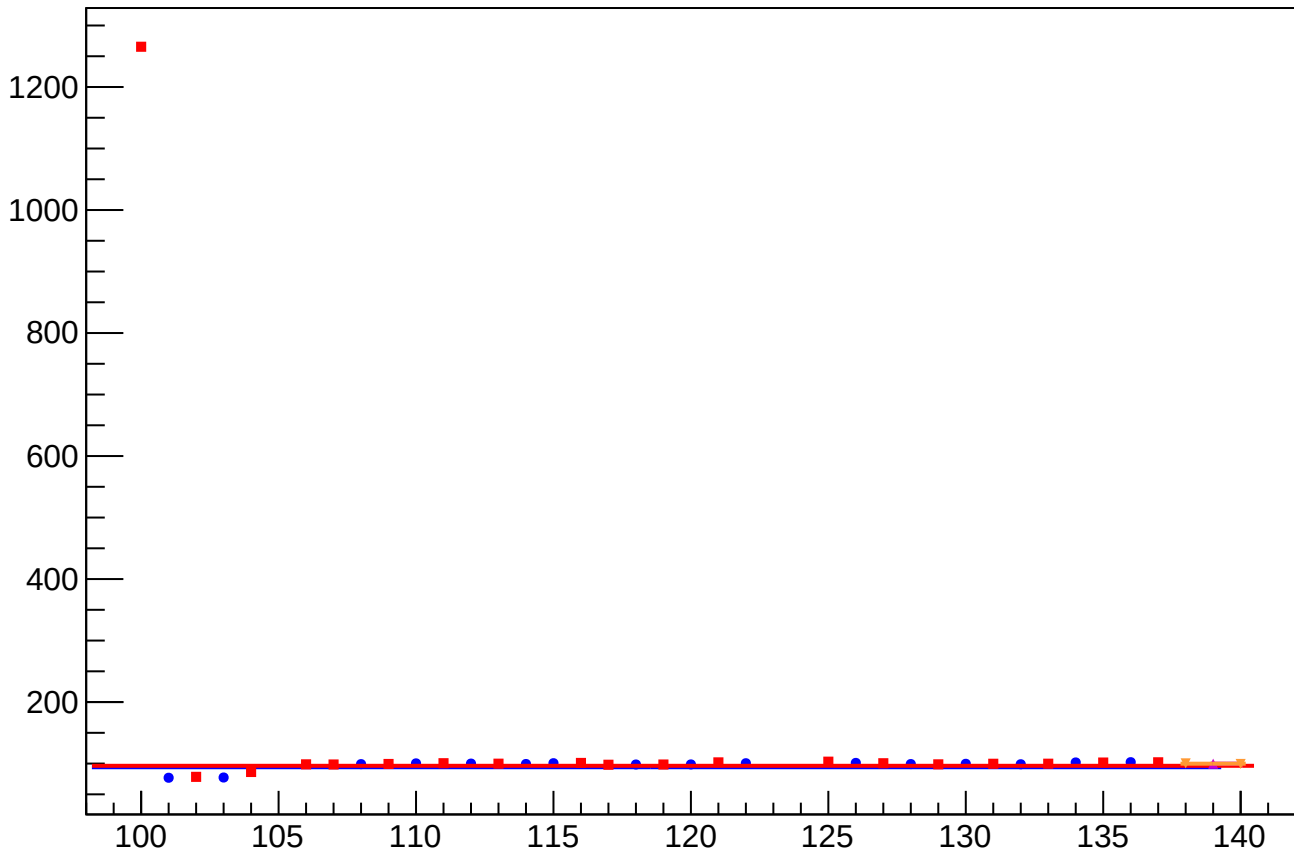
Left In: -8.847+/-117.164 χ^2/NDF : 0.0/0

-19.035+/-33.414 χ^2/NDF : 17.2/17

-9.641+/-24.144 χ^2/NDF : 31.5/37

0.622+/-34.924 χ^2/NDF : 14.1/19

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 99.823+/-0.057 χ^2/NDF : 67.0/1

Right Out: 96.383+/-0.026 χ^2/NDF : 209255.3/18

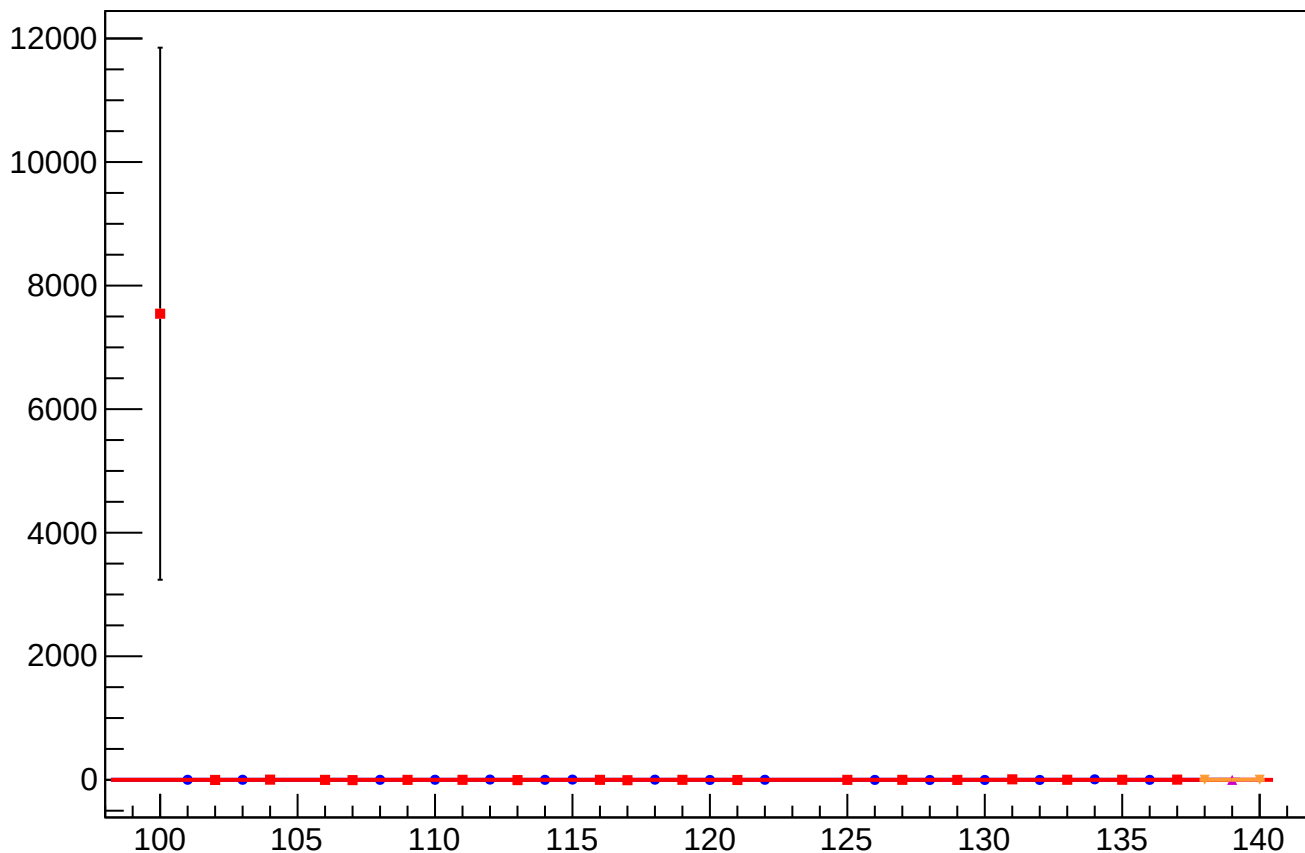
Left In: 99.830+/-0.083 χ^2/NDF : 0.0/0

95.056+/-0.024 χ^2/NDF : 160787.3/17

95.836+/-0.017 χ^2/NDF : 373901.9/37

96.689+/-0.025 χ^2/NDF : 210832.5/19

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: 1.273+/-1.365 χ^2/NDF : 0.0/1

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

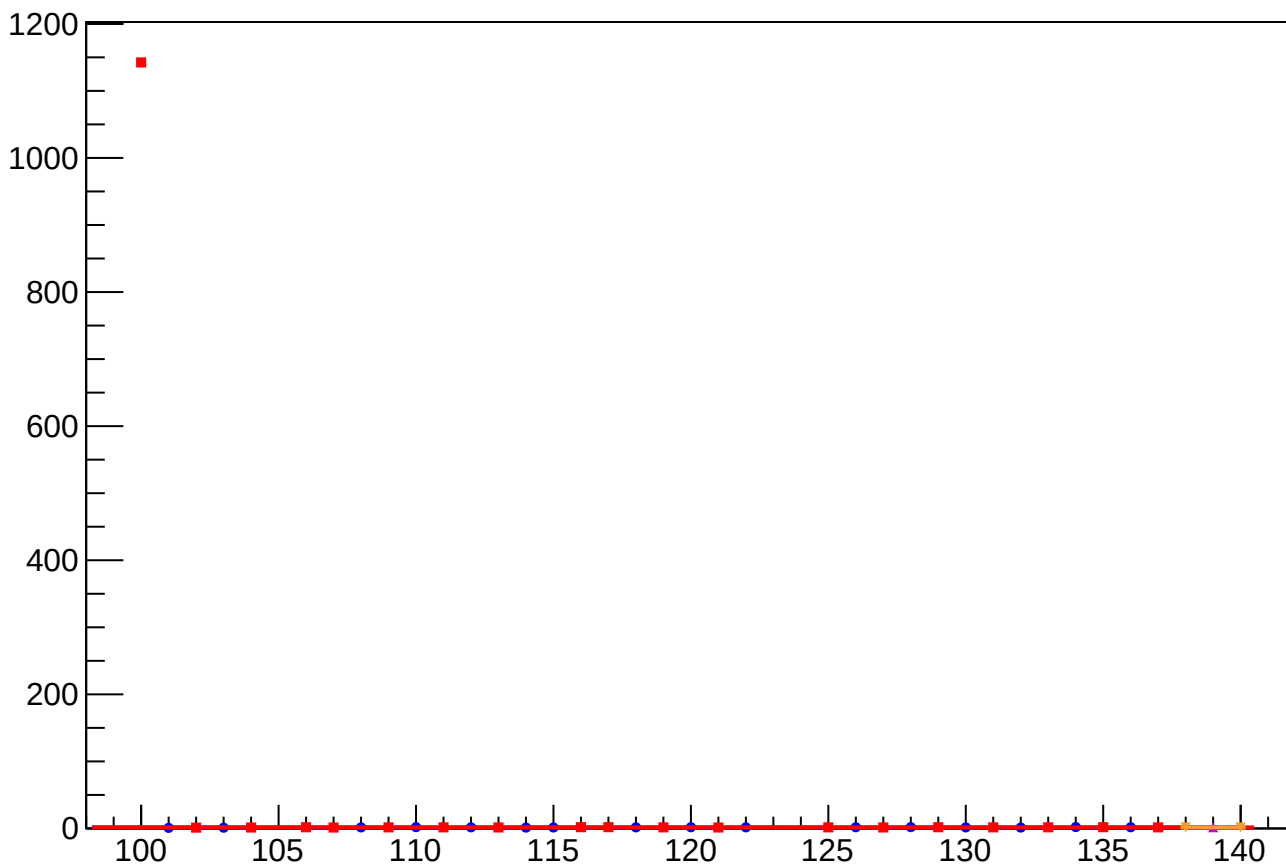
Left In: -0.521+/-2.270 χ^2/NDF : 0.0/0

0.570+/-0.561 χ^2/NDF : 10.1/17

0.153+/-0.415 χ^2/NDF : 34.4/37

-0.350+/-0.617 χ^2/NDF : 23.1/19

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.534+/-0.001 χ^2/NDF : 57.8/1

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

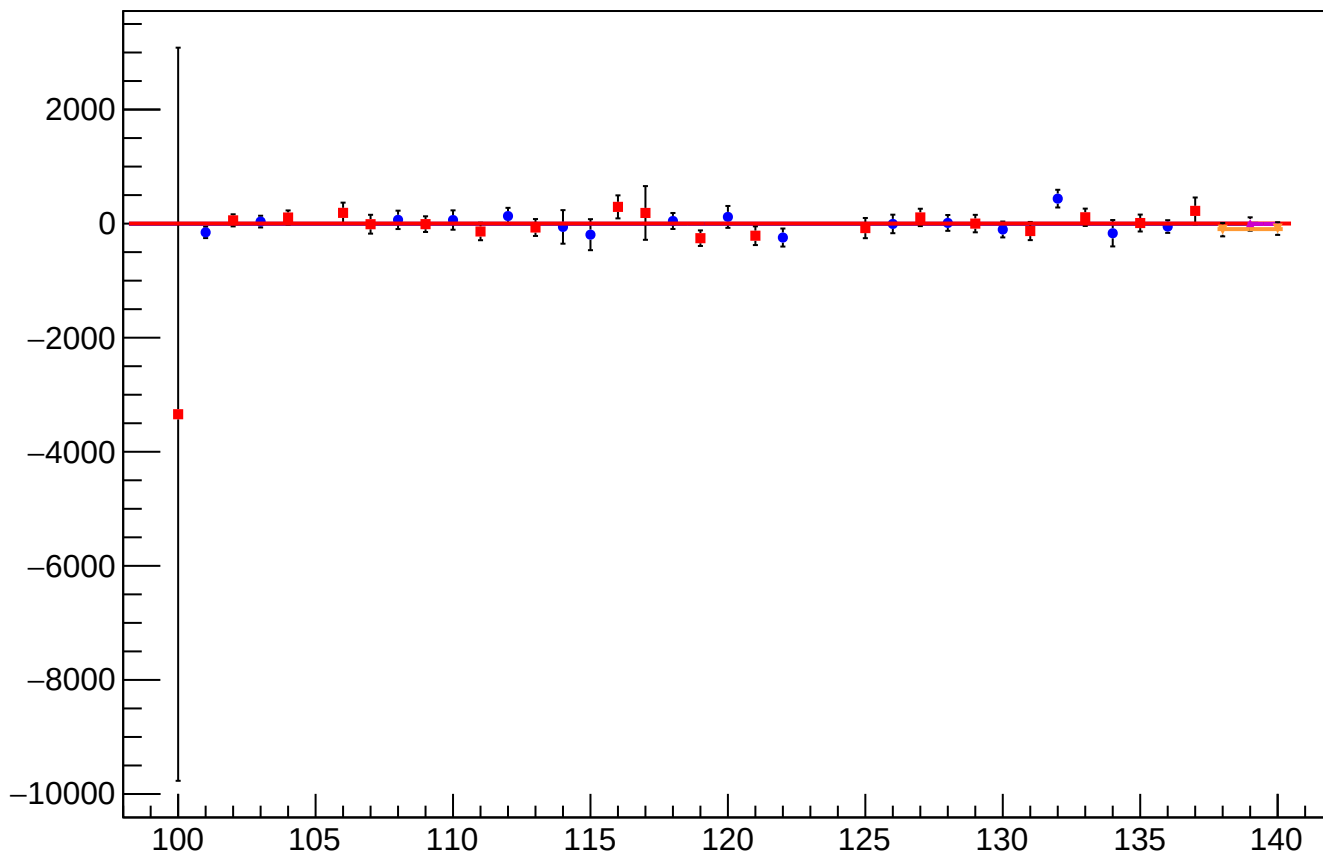
Left In: 1.848+/-0.002 χ^2/NDF : 0.0/0

1.439+/-0.000 χ^2/NDF : 742627.2/17

1.502+/-0.000 χ^2/NDF : 1147863.8/37

1.579+/-0.000 χ^2/NDF : 349056.4/19

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: -96.185 ± 80.665 χ^2/NDF : 0.0/1

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

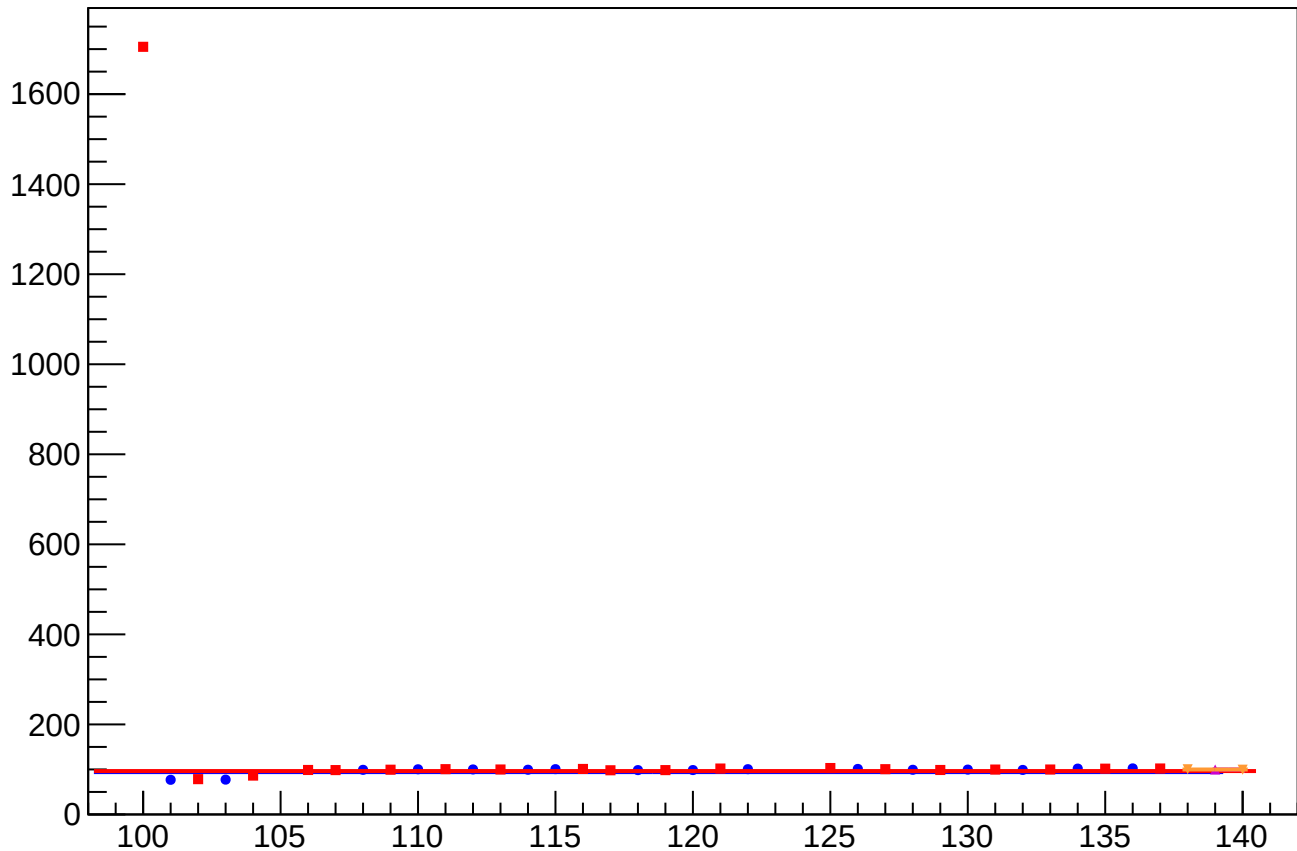
Left In: -6.698 ± 117.196 χ^2/NDF : 0.0/0

-19.079 ± 33.423 χ^2/NDF : 17.4/17

-9.680 ± 24.150 χ^2/NDF : 31.3/37

0.590 ± 34.934 χ^2/NDF : 13.7/19

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 99.849+/-0.057 χ^2/NDF : 67.0/1

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

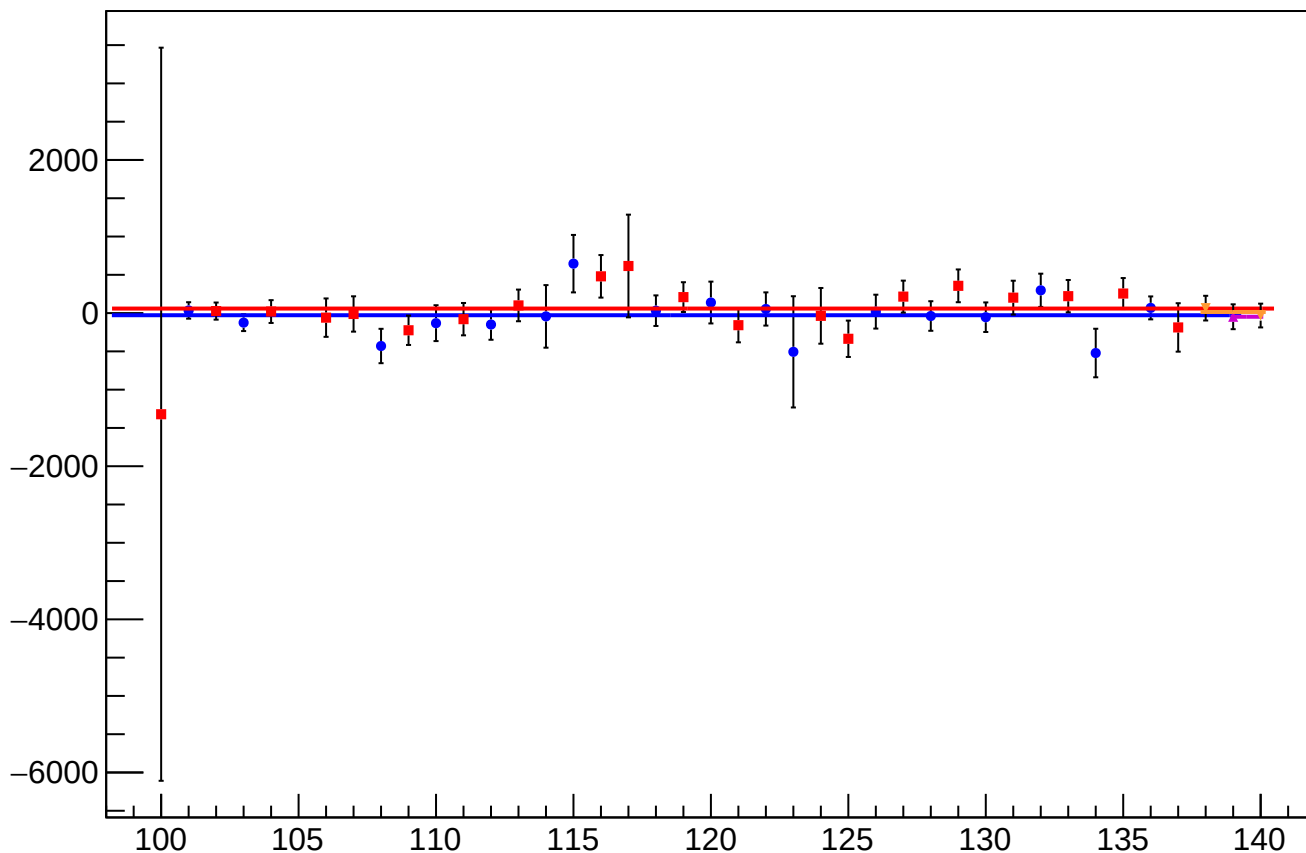
Left In: 99.857+/-0.083 χ^2/NDF : 0.0/0

95.081+/-0.024 χ^2/NDF : 160808.0/17

95.854+/-0.017 χ^2/NDF : 379032.8/37

96.699+/-0.025 χ^2/NDF : 215983.2/19

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 14.560 ± 111.799 χ^2/NDF : 0.2/1

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

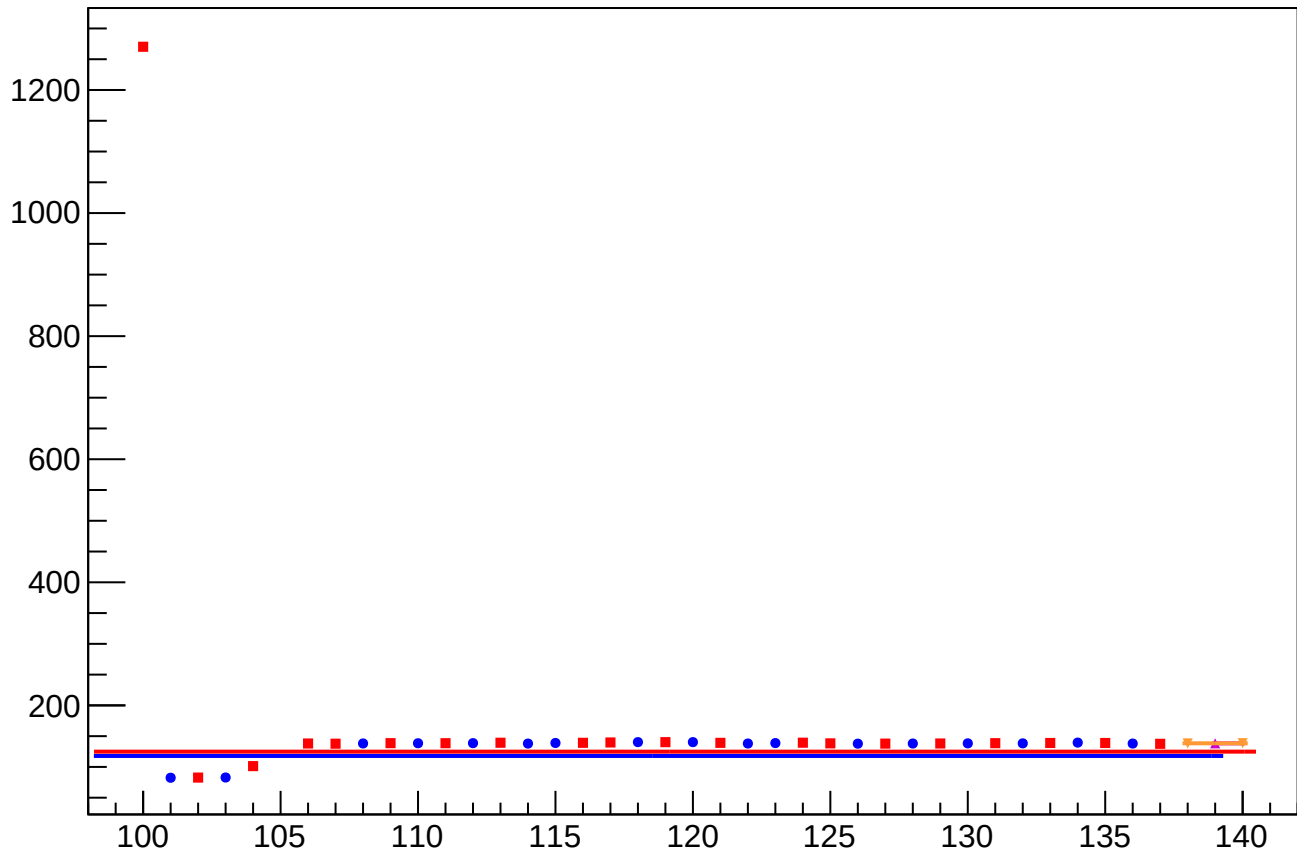
Left In: -47.719 ± 162.340 χ^2/NDF : 0.0/0

-21.523 ± 43.152 χ^2/NDF : 14.6/18

12.569 ± 31.364 χ^2/NDF : 31.9/39

50.750 ± 45.666 χ^2/NDF : 16.0/20

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.386 $\pm$ 0.079 χ^2 /NDF: 2.9/1

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

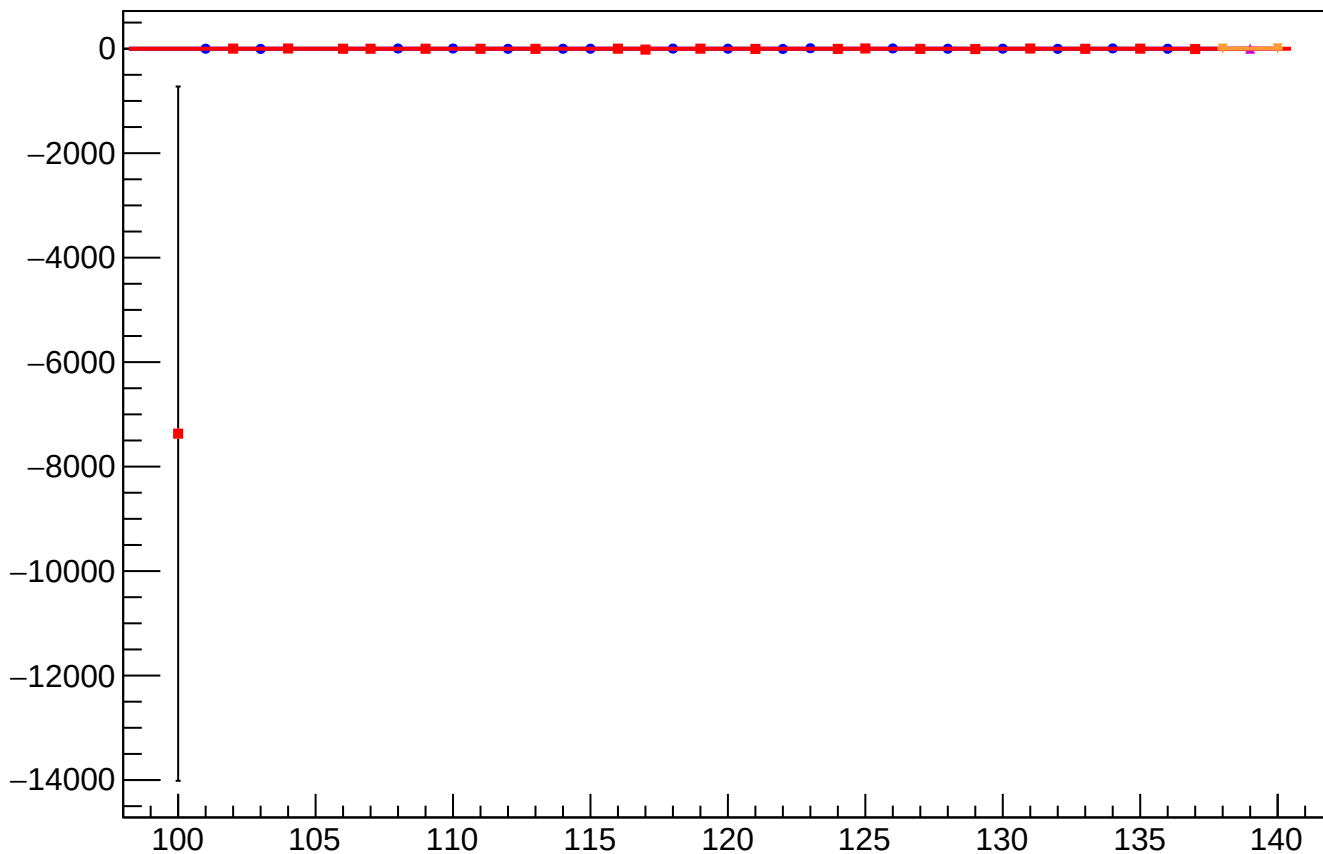
Left In: 138.320 $\pm$ 0.115 χ^2 /NDF: 0.0/0

120.880 $\pm$ 0.031 χ^2 /NDF: 724211.2/18

123.250 $\pm$ 0.022 χ^2 /NDF: 1320476.7/39

125.906 $\pm$ 0.032 χ^2 /NDF: 583466.7/20

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 3.187 ± 2.134 χ^2/NDF : 1.4/1

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

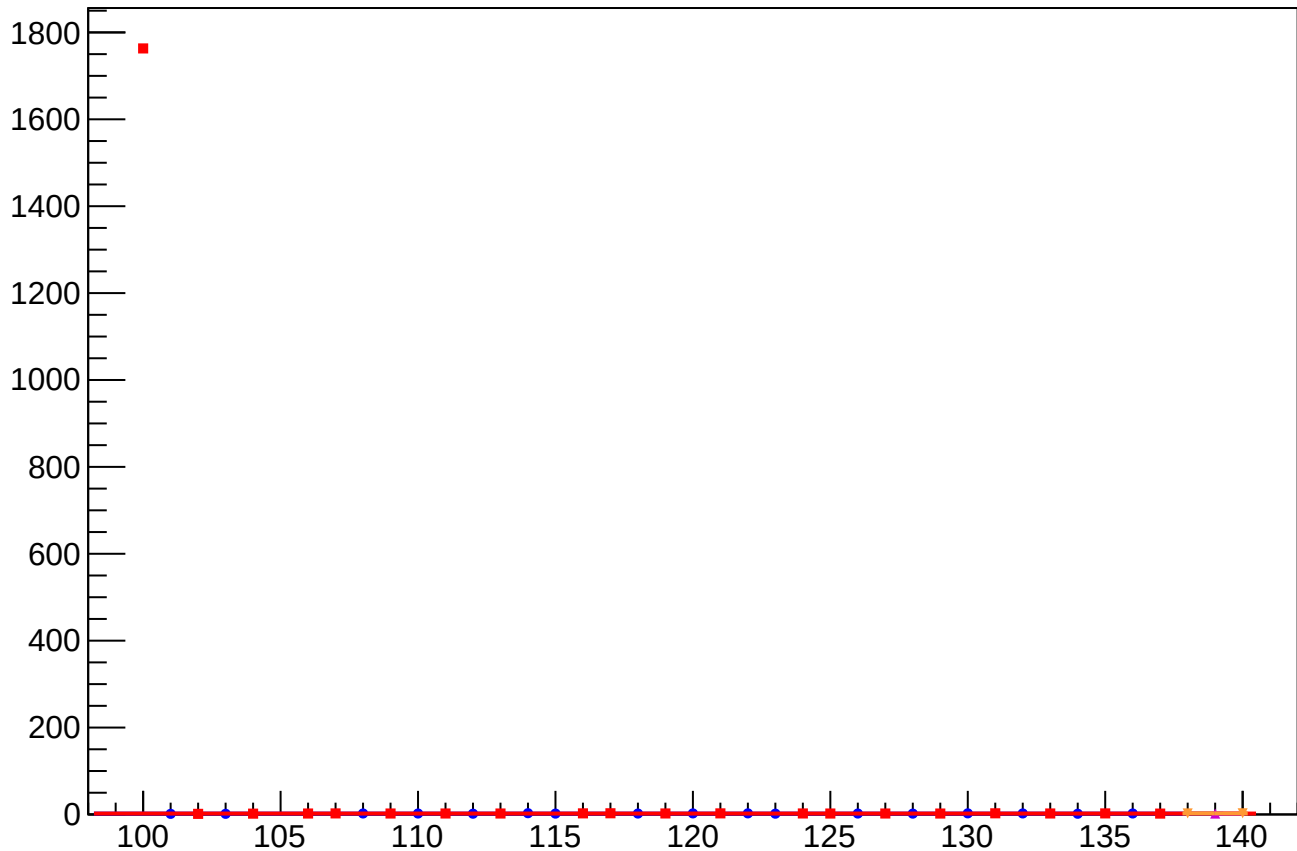
Left In: 0.682 ± 2.704 χ^2/NDF : 0.0/0

-0.206 ± 0.757 χ^2/NDF : 17.0/18

-0.387 ± 0.553 χ^2/NDF : 32.6/39

-0.593 ± 0.810 χ^2/NDF : 15.5/20

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.500 $\pm$ 0.002 χ^2 /NDF: 9161.1/1

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

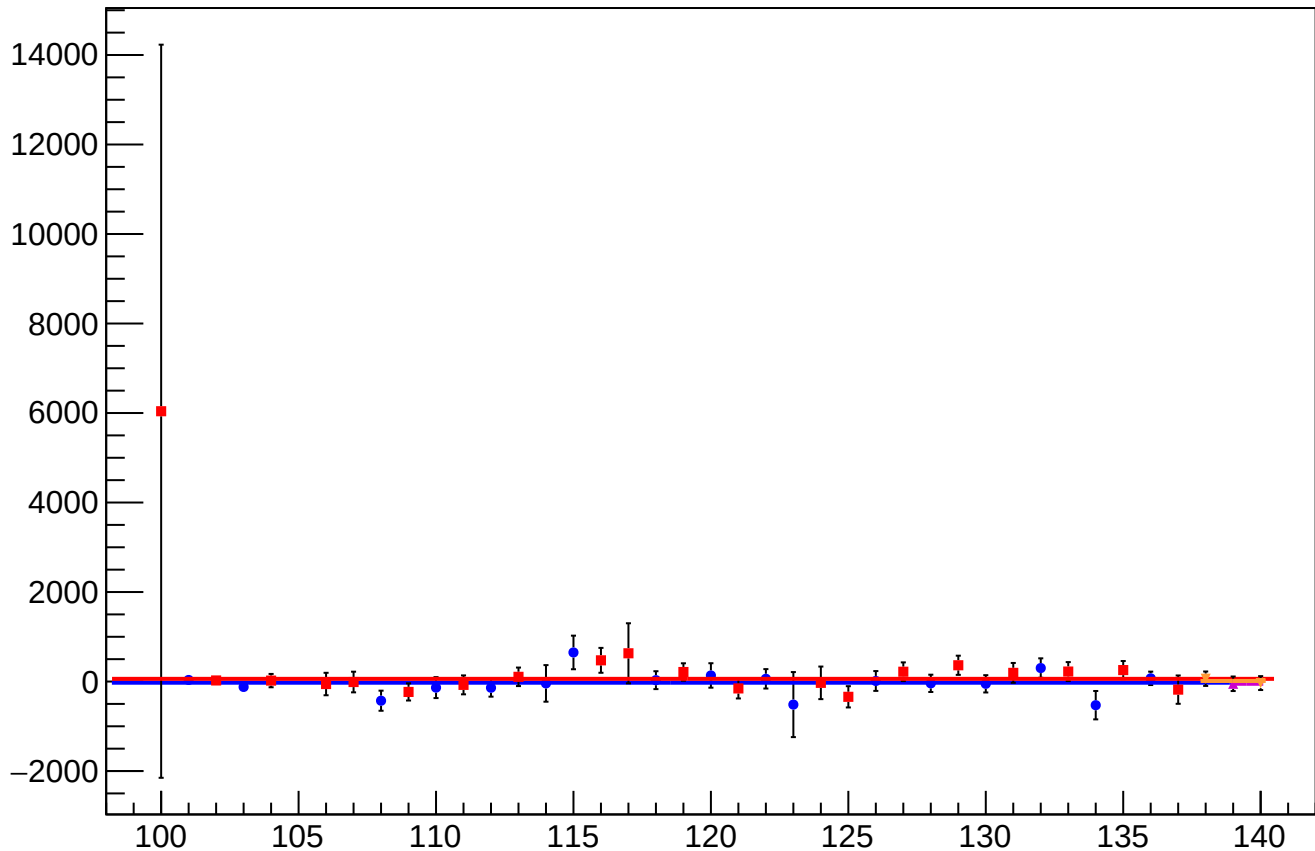
Left In: 2.034 $\pm$ 0.002 χ^2 /NDF: 0.0/0

1.949 $\pm$ 0.001 χ^2 /NDF: 655253.7/18

2.003 $\pm$ 0.000 χ^2 /NDF: 1207744.8/39

2.065 $\pm$ 0.001 χ^2 /NDF: 530571.8/20

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 12.466 $\pm$ 111.829 χ^2 /NDF: 0.2/1

Right Out: 60.159 $\pm$ 47.602 χ^2 /NDF: 16.2/19

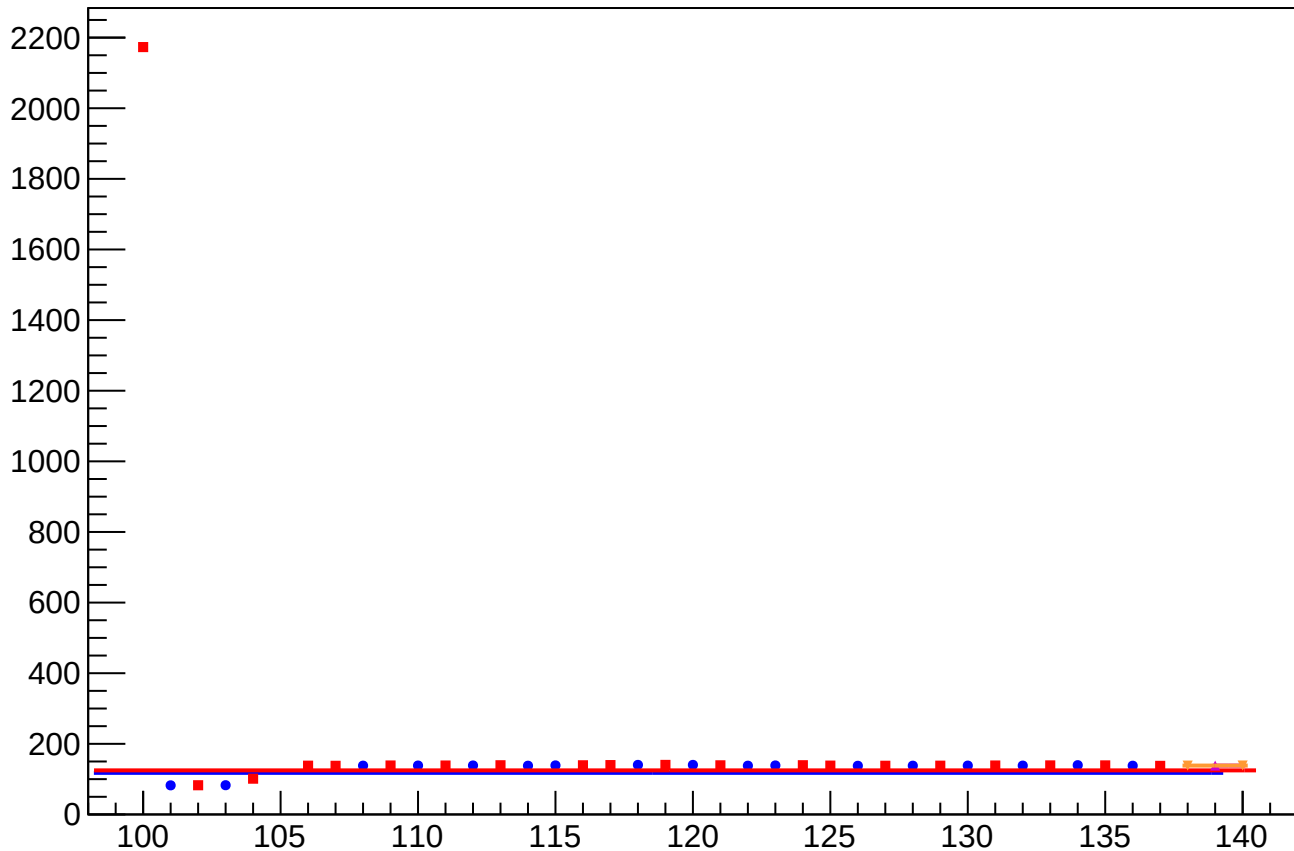
Left In: -50.045 $\pm$ 162.383 χ^2 /NDF: 0.0/0

-20.489 $\pm$ 43.164 χ^2 /NDF: 14.7/18

13.439 $\pm$ 31.373 χ^2 /NDF: 32.6/39

51.438 $\pm$ 45.680 χ^2 /NDF: 16.7/20

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.424 $\pm$ 0.079 χ^2 /NDF: 2.9/1

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

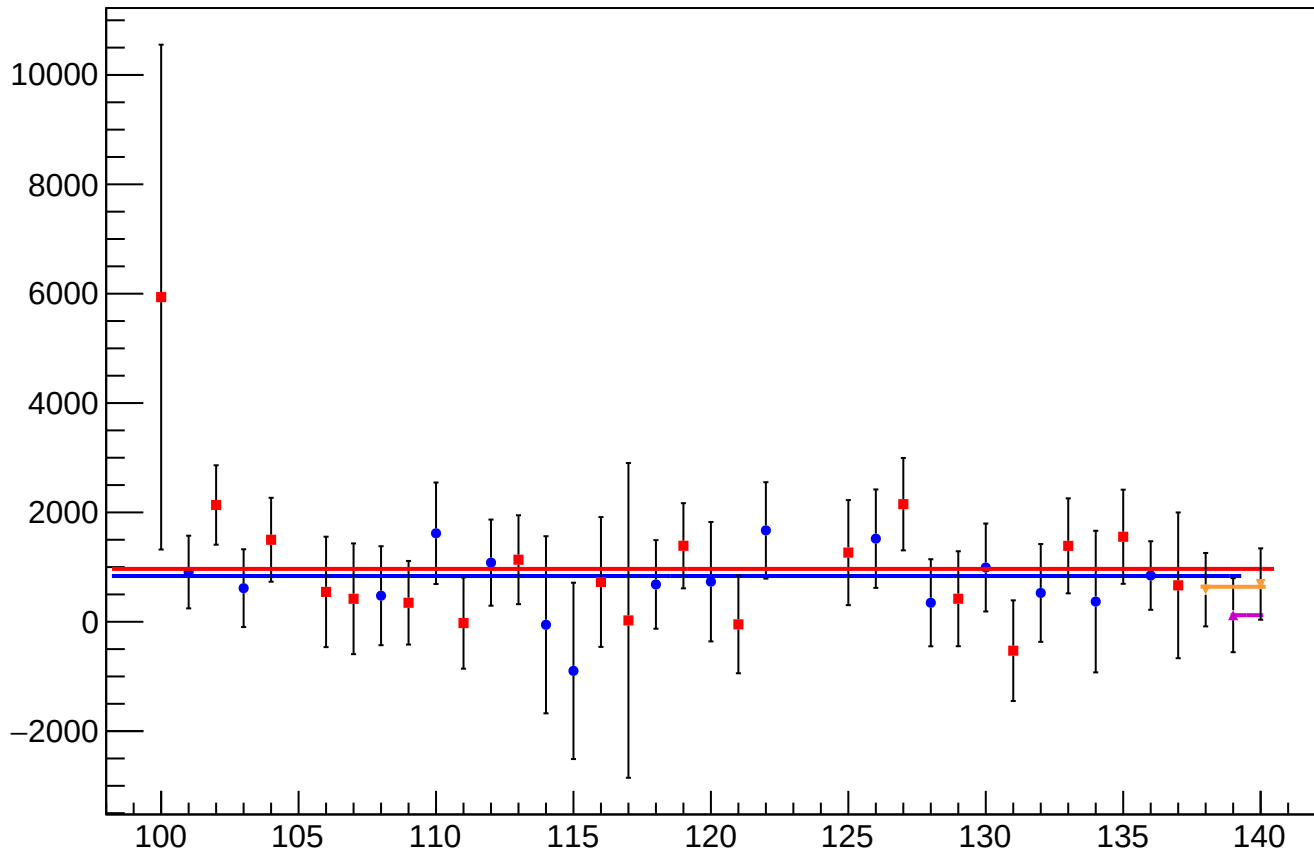
Left In: 138.357 $\pm$ 0.115 χ^2 /NDF: 0.0/0

120.912 $\pm$ 0.031 χ^2 /NDF: 724252.0/18

123.264 $\pm$ 0.022 χ^2 /NDF: 1330975.4/39

125.899 $\pm$ 0.032 χ^2 /NDF: 594132.8/20

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 639.970 $\pm$ 468.034 χ^2 /NDF: 0.0/1

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

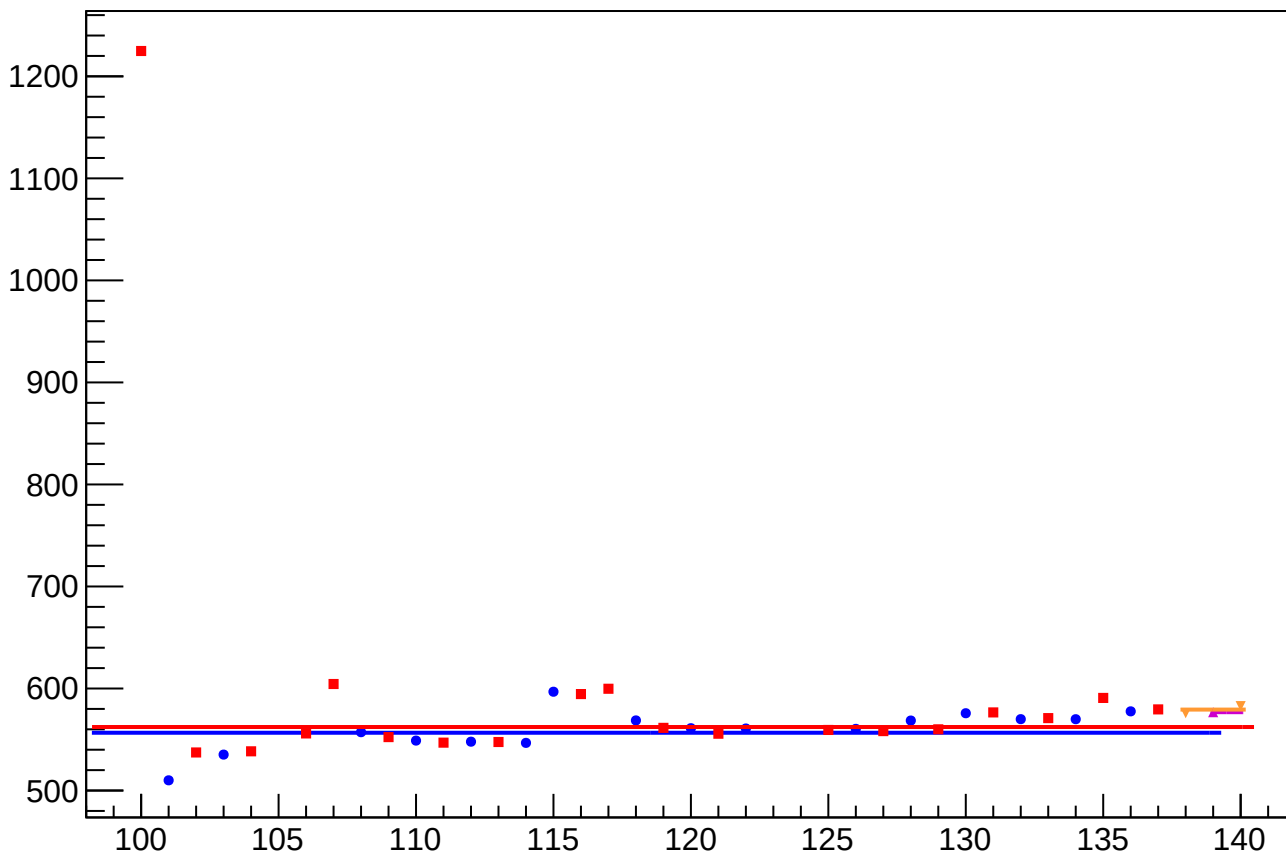
Left In: 120.557 $\pm$ 676.939 χ^2 /NDF: 0.0/0

802.395 $\pm$ 196.257 χ^2 /NDF: 4.9/17

845.582 $\pm$ 140.915 χ^2 /NDF: 20.8/37

891.540 $\pm$ 202.456 χ^2 /NDF: 15.8/19

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 579.337 $\pm$ 0.331 χ^2 /NDF:110.6/1

Right Out: 562.253 $\pm$ 0.150 χ^2 /NDF: 55916.7/18

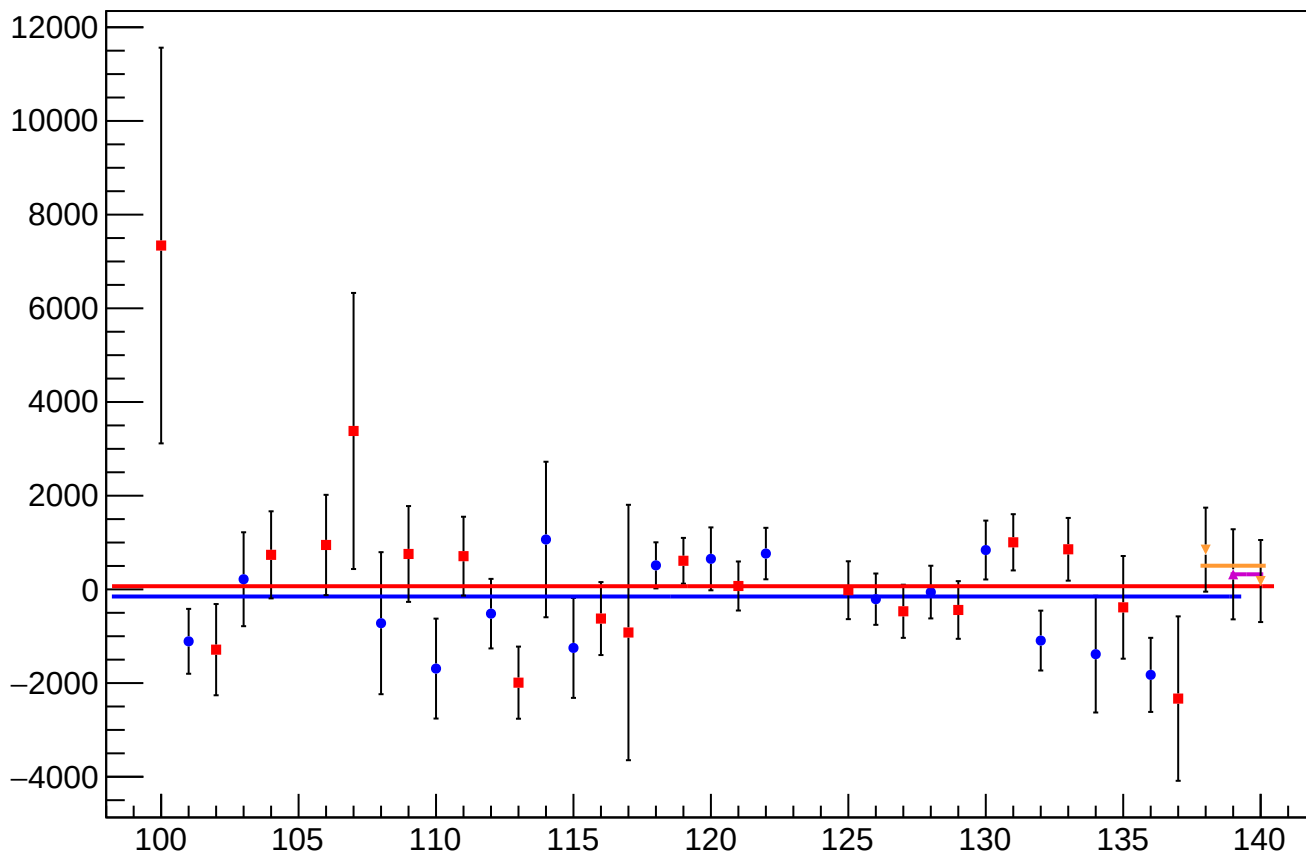
Left In: 576.793 $\pm$ 0.479 χ^2 /NDF:0.0/0

560.629 $\pm$ 0.139 χ^2 /NDF: 22379.7/17

562.046 $\pm$ 0.100 χ^2 /NDF: 79351.9/37

563.554 $\pm$ 0.143 χ^2 /NDF: 56757.0/19

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 505.260+/-626.583 χ^2/NDF : 0.3/1

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

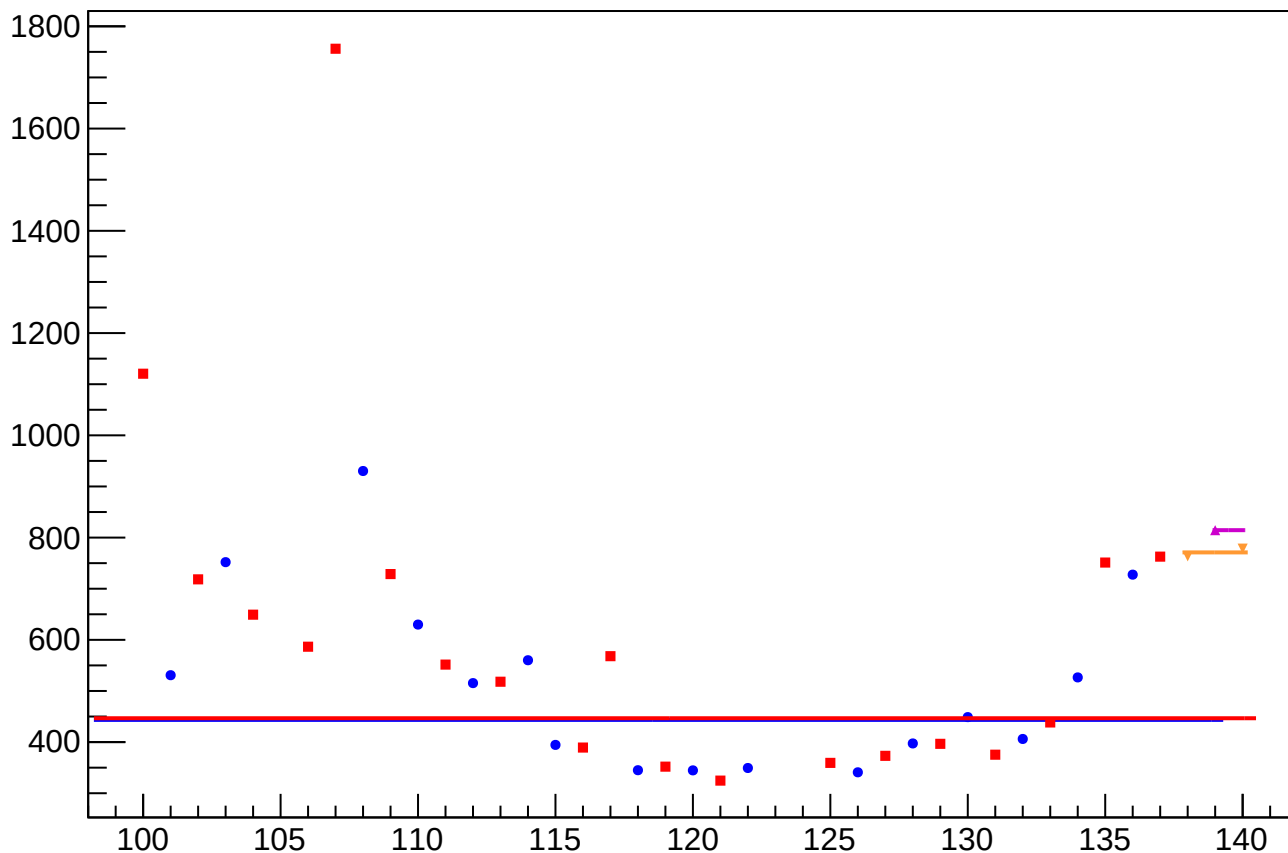
Left In: 322.016+/-961.746 χ^2/NDF : 0.0/0

-101.740+/-173.072 χ^2/NDF : 23.6/17

-14.019+/-123.159 χ^2/NDF : 49.3/37

75.971+/-175.297 χ^2/NDF : 25.2/19

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 771.023+/-0.443 χ^2/NDF :291.0/1

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

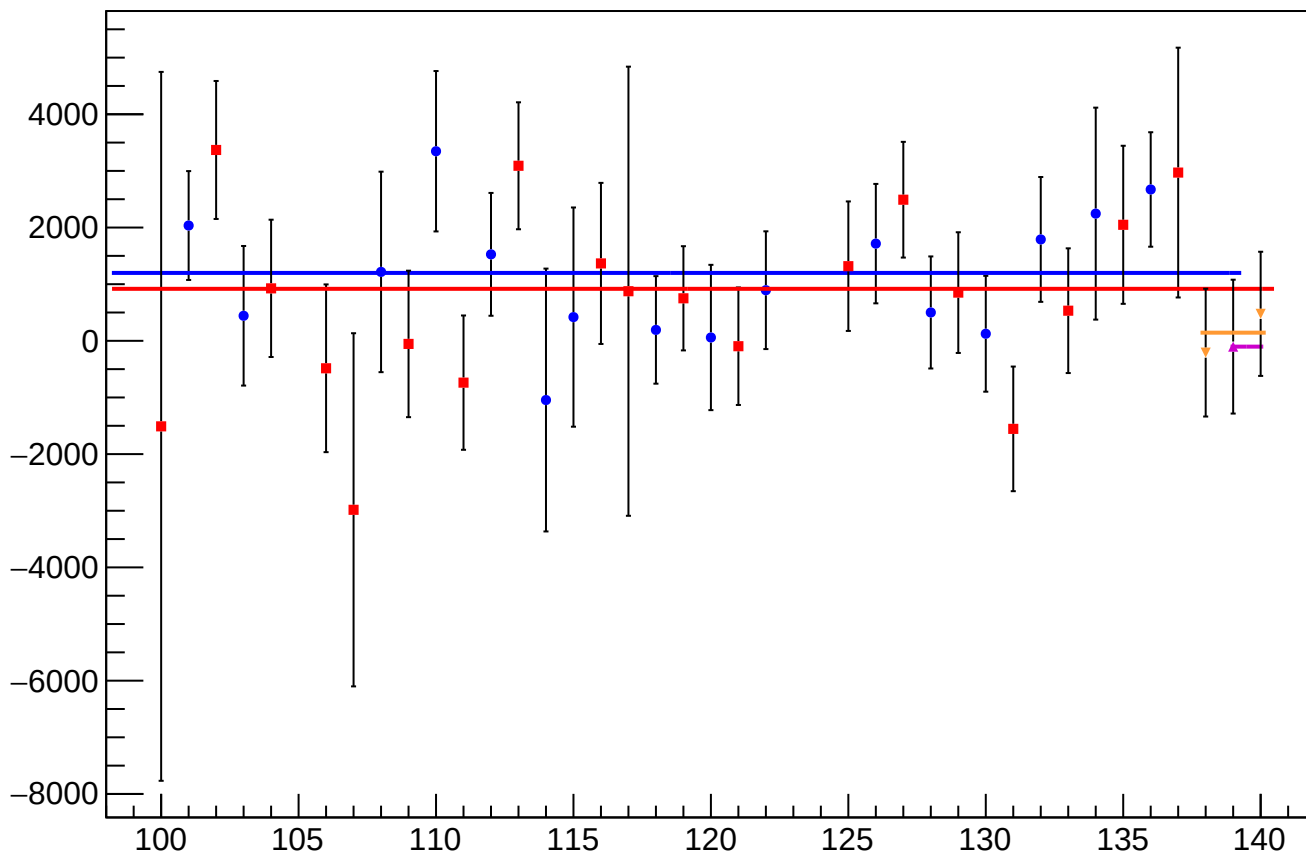
Left In: 814.520+/-0.680 χ^2/NDF :0.0/0

468.443+/-0.122 χ^2/NDF : 1566148.1/17

463.727+/-0.087 χ^2/NDF : 3315992.2/37

458.889+/-0.124 χ^2/NDF : 1746835.5/19

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 144.070 $\pm$ 786.143 χ^2 /NDF: 0.2/1

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

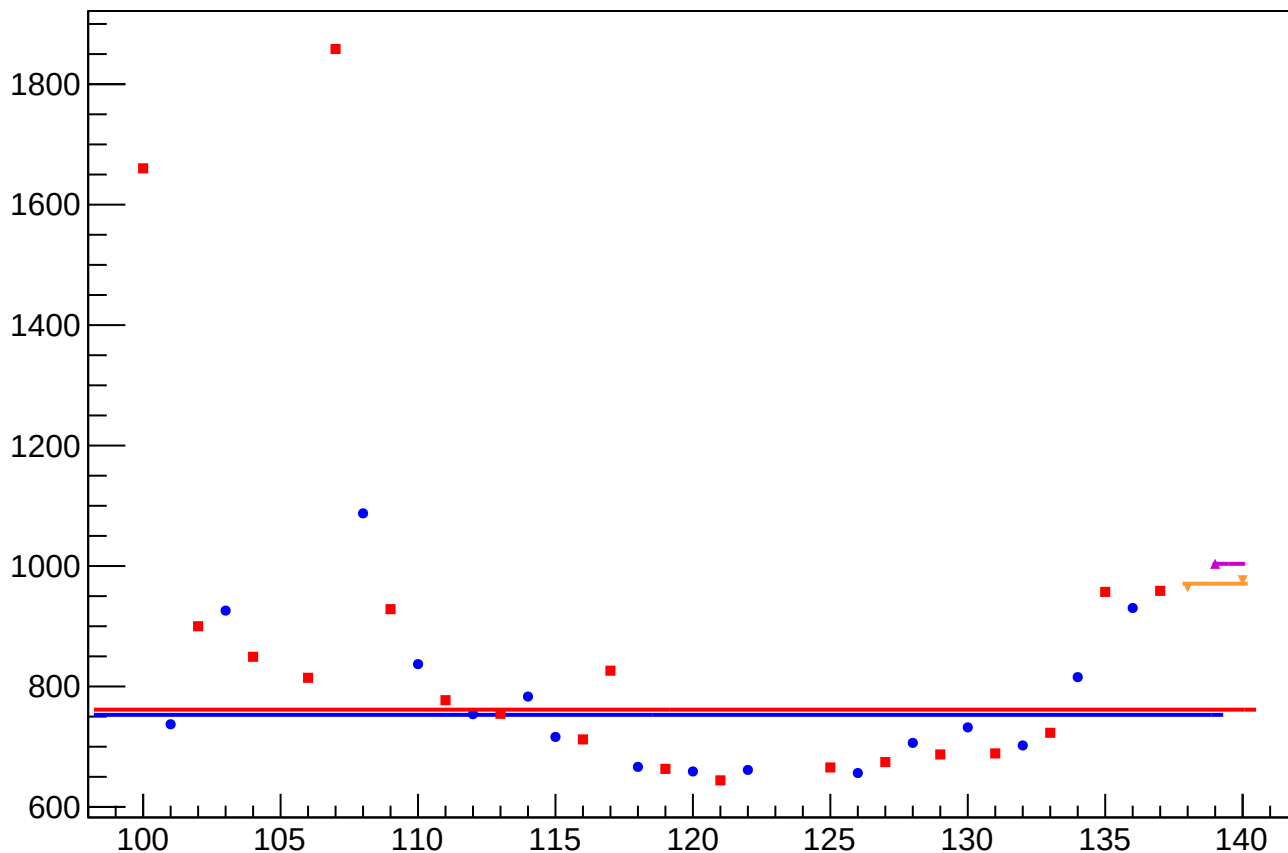
Left In: -102.473 $\pm$ 1181.691 χ^2 /NDF: 0.0/0

1068.575 $\pm$ 276.394 χ^2 /NDF: 13.0/17

966.730 $\pm$ 198.049 χ^2 /NDF: 37.2/37

859.257 $\pm$ 283.927 χ^2 /NDF: 23.9/19

asym_left_avg_rms vs Slug, Sign Corrected



Right In: 752.937+/-0.209 χ^2/NDF : 252526.4/15

Left Out: 970.662+/-0.556 χ^2/NDF :110.5/1

Right Out: 761.514+/-0.207 χ^2/NDF : 517672.2/18

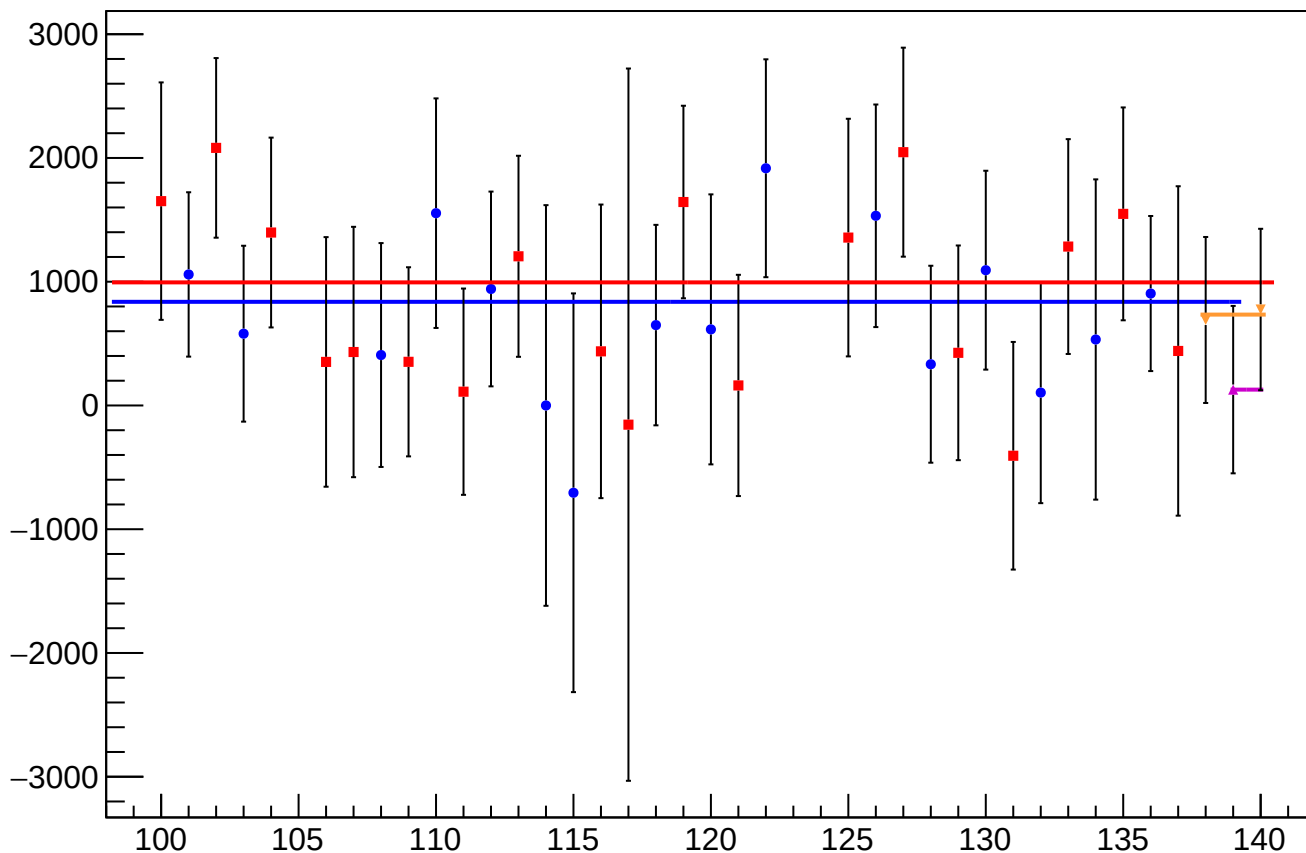
Left In: 1003.668+/-0.836 χ^2/NDF :0.0/0

779.850+/-0.195 χ^2/NDF : 387079.7/17

777.731+/-0.140 χ^2/NDF : 984131.0/37

775.494+/-0.201 χ^2/NDF : 596809.5/19

reg_asym_left_dd_mean vs Slug, Sign Corrected



Right In: 837.557 $\pm$ 216.015 χ^2 /NDF: 5.7/15

Left Out: 734.272 $\pm$ 467.584 χ^2 /NDF: 0.0/1

Right Out: 994.626 $\pm$ 207.208 χ^2 /NDF: 12.7/18

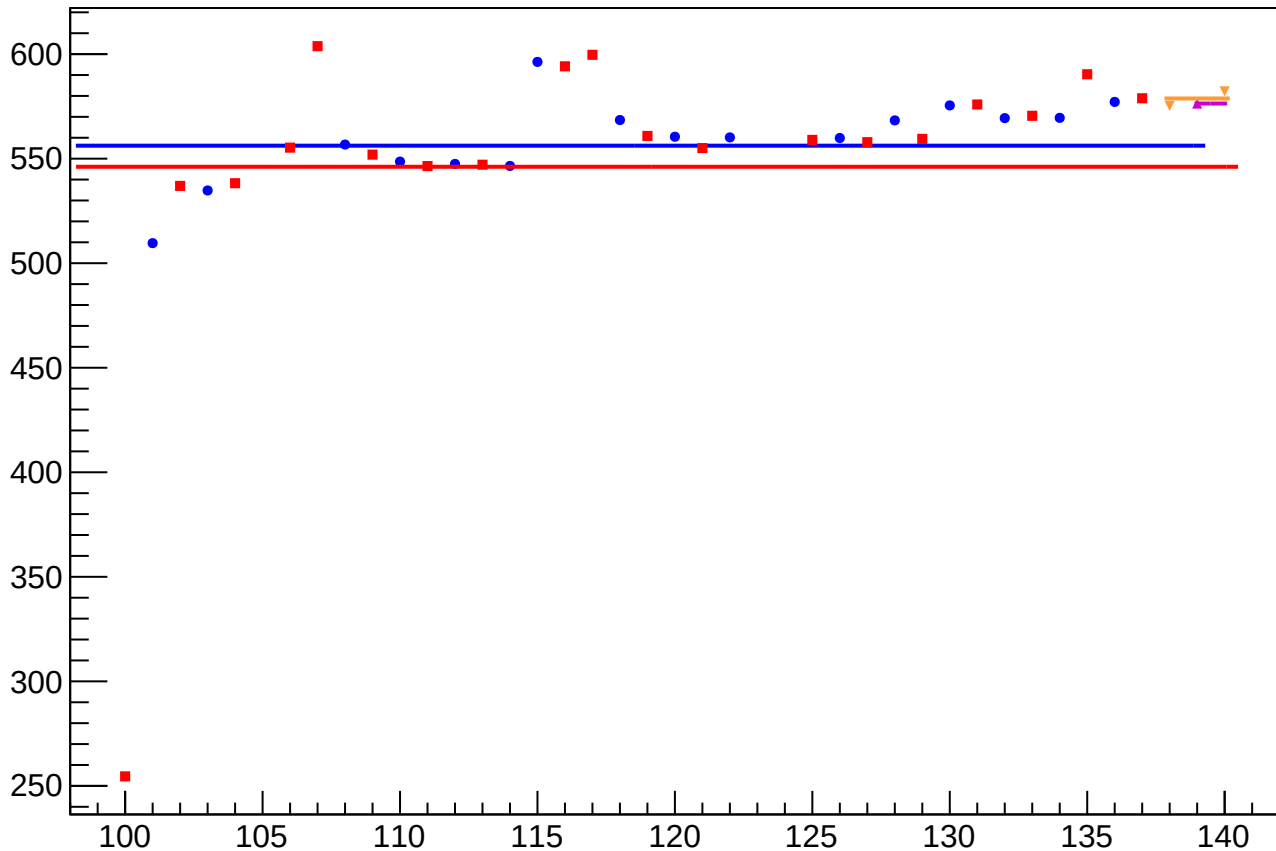
Left In: 128.077 $\pm$ 676.434 χ^2 /NDF: 0.0/0

819.391 $\pm$ 196.100 χ^2 /NDF: 5.8/17

869.322 $\pm$ 139.373 χ^2 /NDF: 20.1/37

920.289 $\pm$ 198.121 χ^2 /NDF: 14.2/19

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 578.779 $\pm$ 0.331 χ^2 /NDF: 111.4/1

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

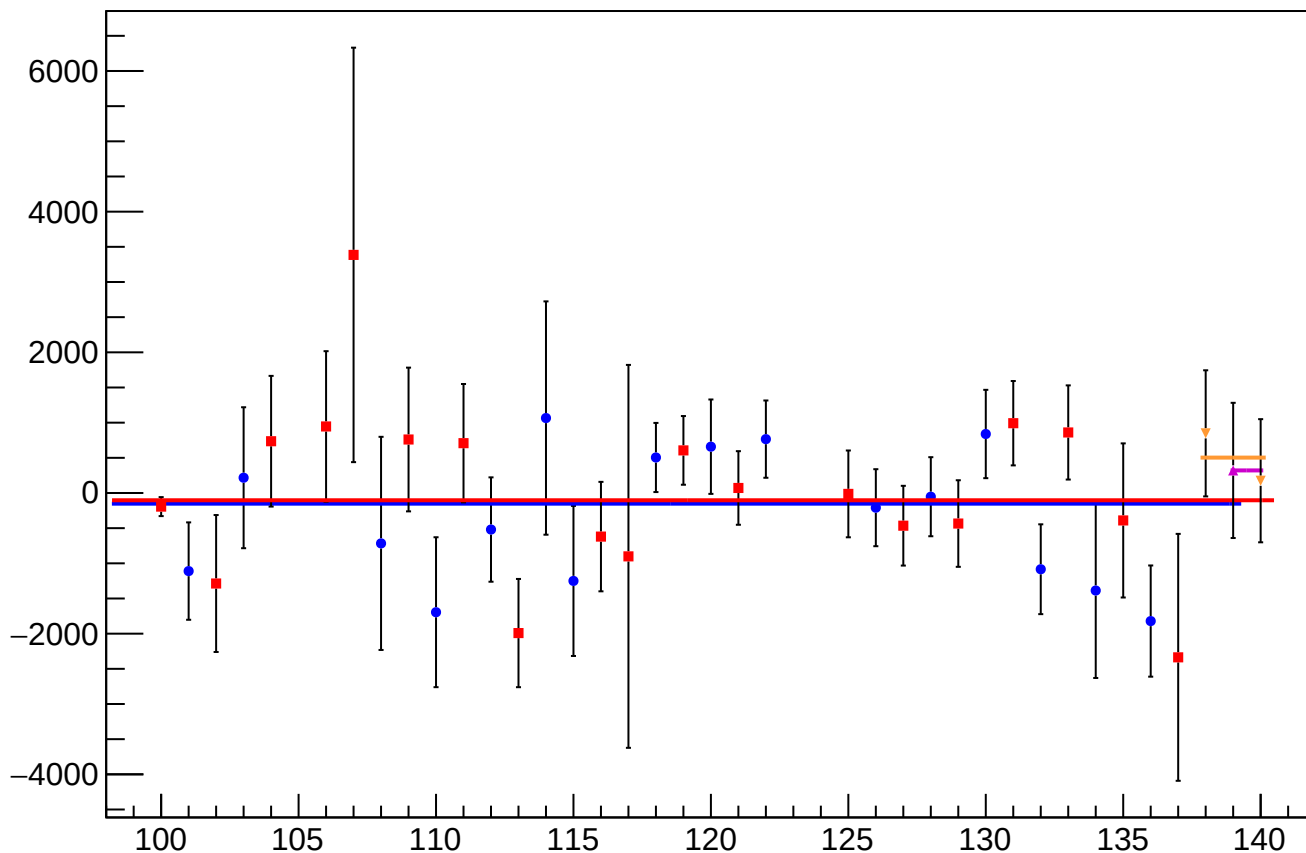
Left In: 576.364 $\pm$ 0.478 χ^2 /NDF: 0.0/0

560.180 $\pm$ 0.139 χ^2 /NDF: 22368.6/17

554.508 $\pm$ 0.099 χ^2 /NDF: 237740.7/37

548.718 $\pm$ 0.140 χ^2 /NDF: 211990.8/19

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 503.242+/-626.389 χ^2/NDF : 0.3/1

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

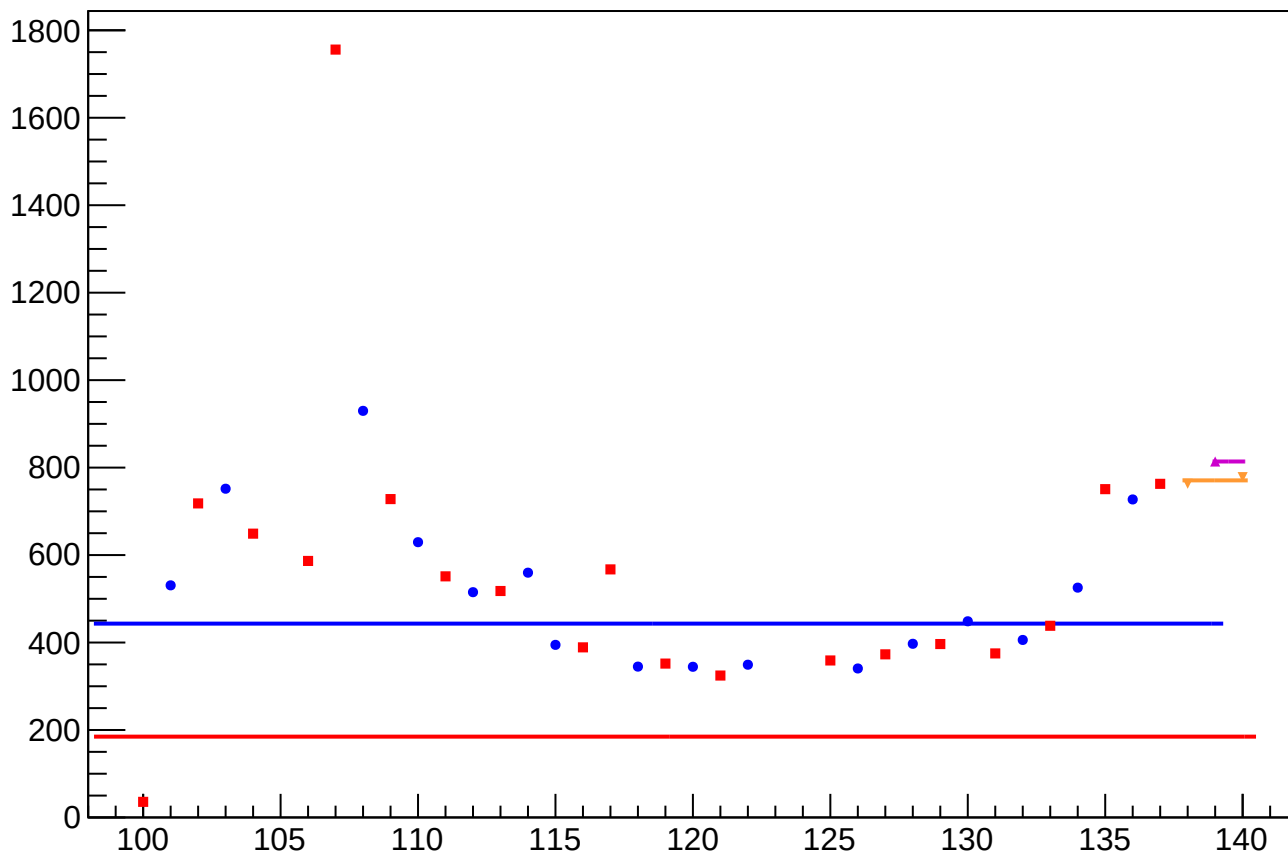
Left In: 321.006+/-961.100 χ^2/NDF : 0.0/0

-101.524+/-172.991 χ^2/NDF : 23.6/17

-99.028+/-90.971 χ^2/NDF : 47.1/37

-98.073+/-106.954 χ^2/NDF : 23.5/19

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 770.787+/-0.443 χ^2/NDF :291.8/1

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

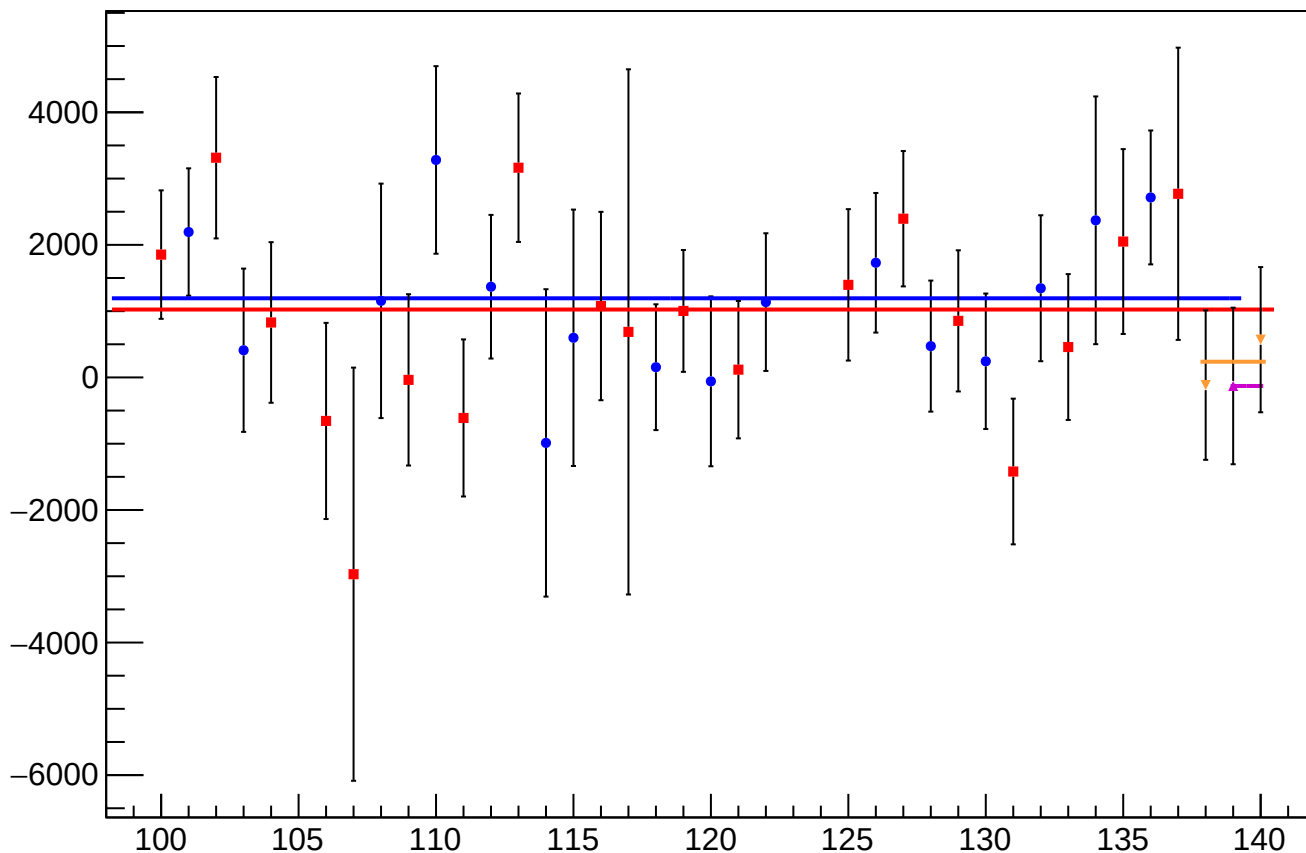
Left In: 813.969+/-0.680 χ^2/NDF :0.0/0

468.222+/-0.122 χ^2/NDF : 1566242.3/17

268.826+/-0.064 χ^2/NDF : 14204894.2/37

192.605+/-0.076 χ^2/NDF : 8965751.6/19

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 237.006 $\pm$ 785.719 χ^2 /NDF: 0.2/1

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

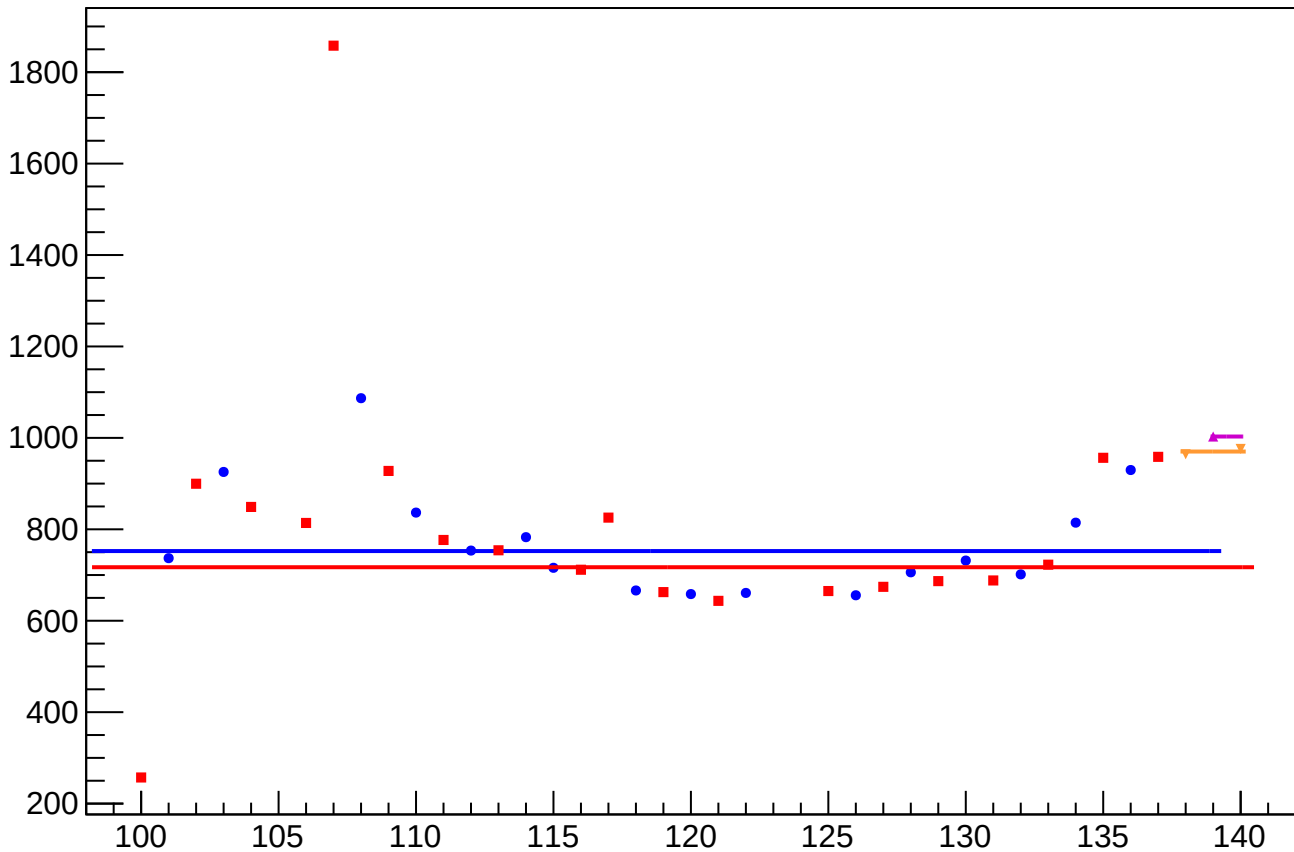
Left In: -128.940 $\pm$ 1180.880 χ^2 /NDF: 0.0/0

1075.600 $\pm$ 276.214 χ^2 /NDF: 12.7/17

1018.546 $\pm$ 194.006 χ^2 /NDF: 36.2/37

962.992 $\pm$ 272.556 χ^2 /NDF: 23.4/19

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 970.140+/-0.556 χ^2/NDF : 111.2/1

Right Out: 717.067+/-0.198 χ^2/NDF : 968442.7/18

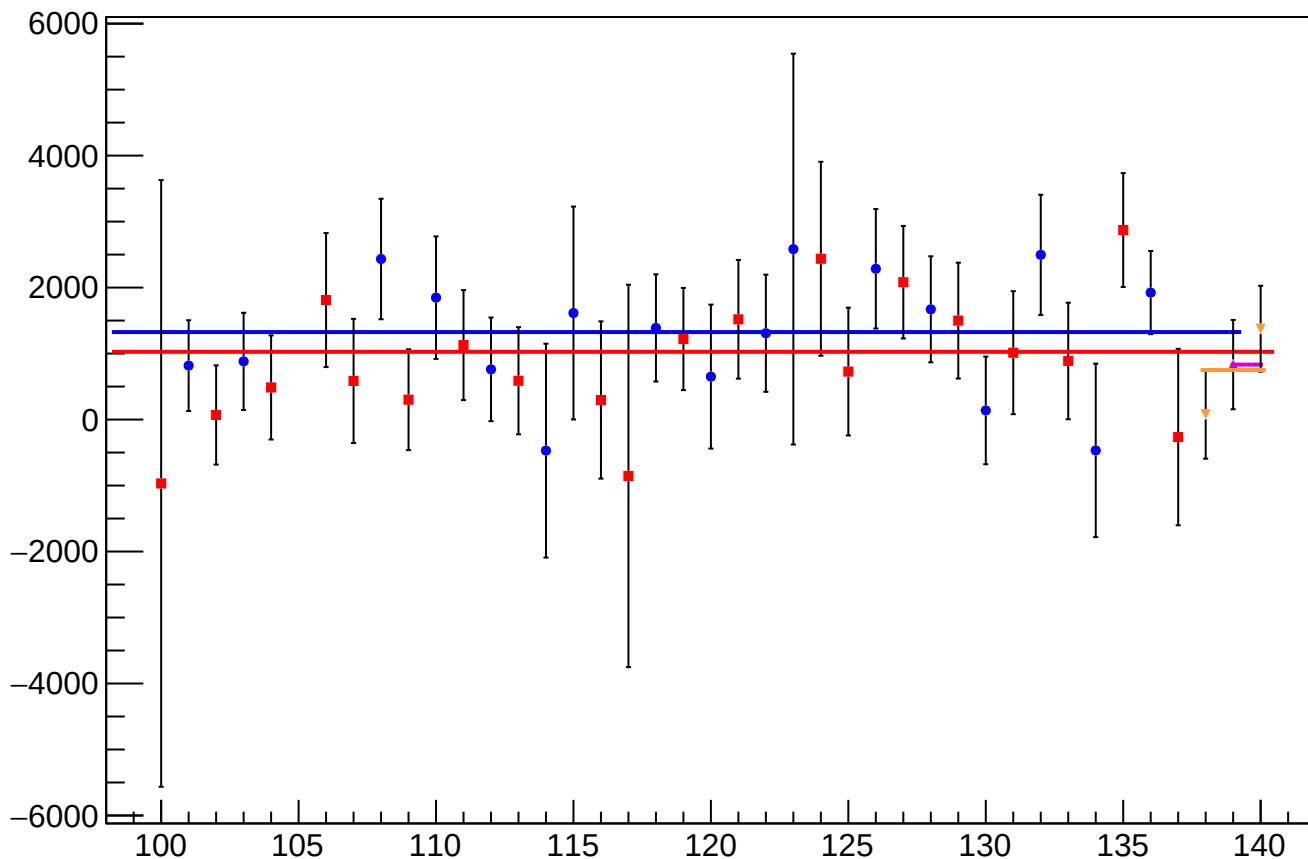
Left In: 1002.979+/-0.835 χ^2/NDF : 0.0/0

779.334+/-0.195 χ^2/NDF : 387392.8/17

755.503+/-0.137 χ^2/NDF : 1496215.6/37

732.298+/-0.193 χ^2/NDF : 1079438.8/19

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 751.016 $\pm$ 467.846 χ^2 /NDF:1.9/1

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

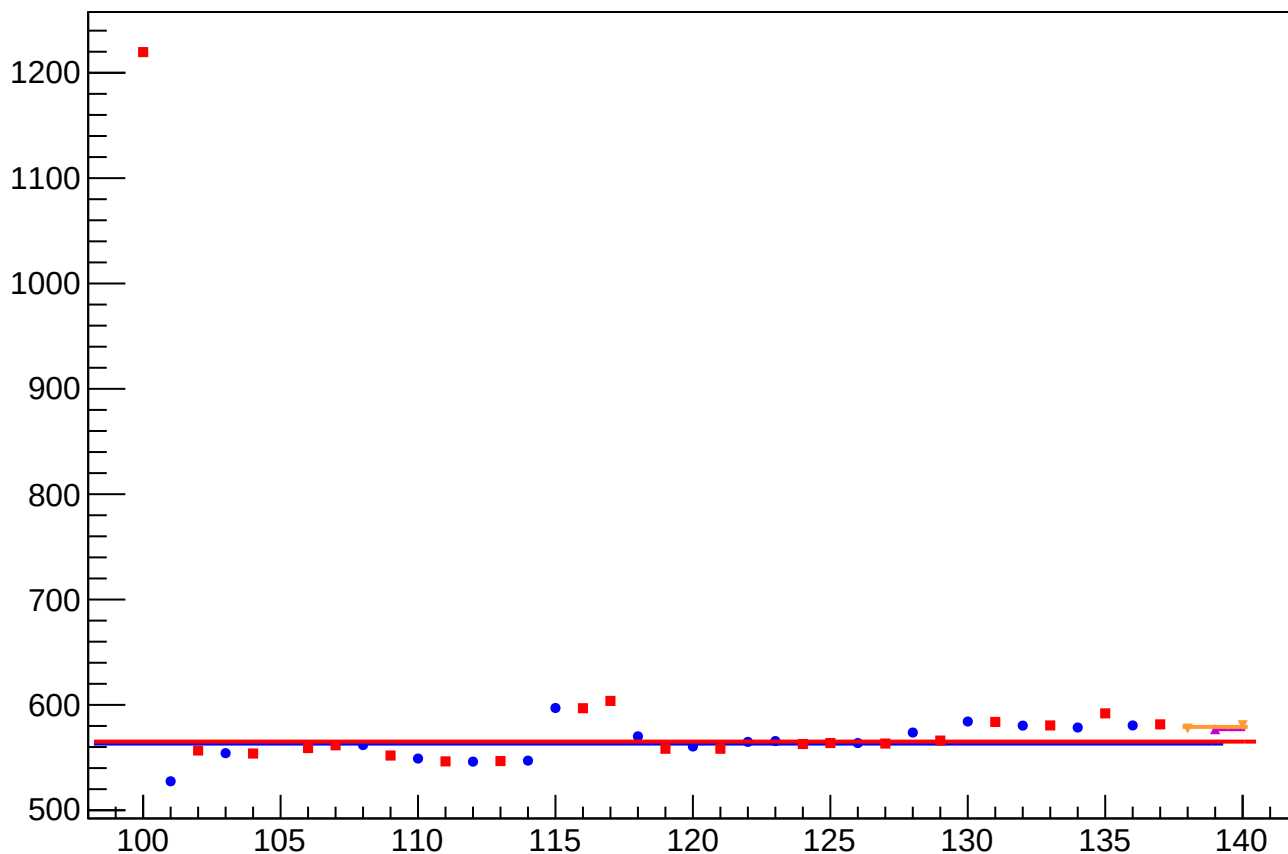
Left In: 832.910 $\pm$ 677.123 χ^2 /NDF:0.0/0

1223.162 $\pm$ 197.680 χ^2 /NDF: 16.0/18

1118.511 $\pm$ 141.100 χ^2 /NDF: 30.5/39

1009.815 $\pm$ 201.464 χ^2 /NDF: 13.9/20

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 579.121 $\pm$ 0.331 χ^2 /NDF:23.1/1

Right Out: 565.150 $\pm$ 0.149 χ^2 /NDF: 49653.1/19

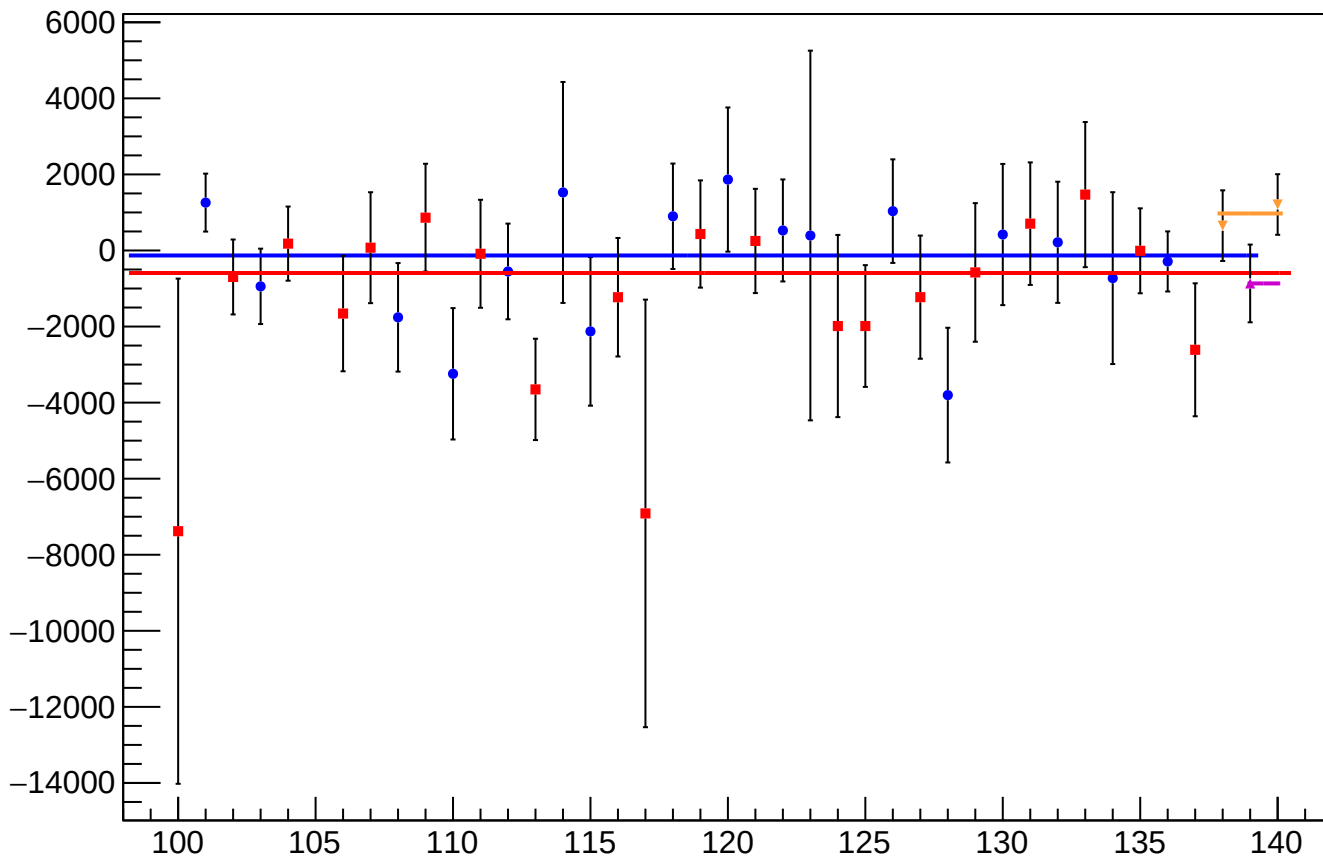
Left In: 576.953 $\pm$ 0.479 χ^2 /NDF:0.0/0

566.096 $\pm$ 0.140 χ^2 /NDF: 14430.5/18

566.145 $\pm$ 0.100 χ^2 /NDF: 64637.8/39

566.195 $\pm$ 0.142 χ^2 /NDF: 50207.1/20

asym_right_avg_correction_mean vs Slug, Sign Corrected



Right In: -131.097+/-327.588 χ^2/NDF : 17.2/16

Left Out: 973.135+/-604.656 χ^2/NDF : 0.2/1

Right Out: -591.948+/-331.825 χ^2/NDF : 15.9/19

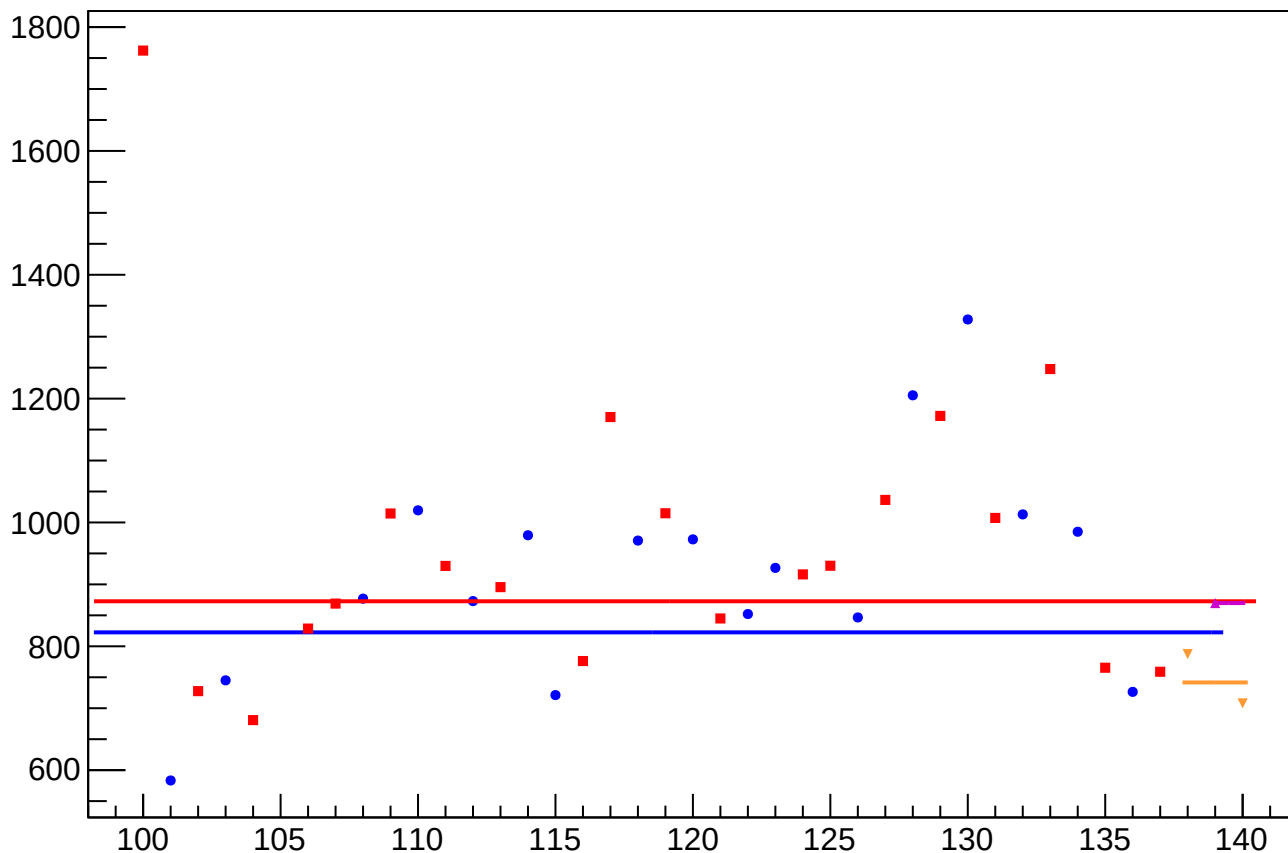
Left In: -866.530+/-1021.714 χ^2/NDF : 0.0/0

119.471+/-288.032 χ^2/NDF : 20.0/18

-215.724+/-212.749 χ^2/NDF : 38.9/39

-618.147+/-315.598 χ^2/NDF : 15.9/20

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 741.614+/-0.428 χ^2/NDF : 8456.8/1

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

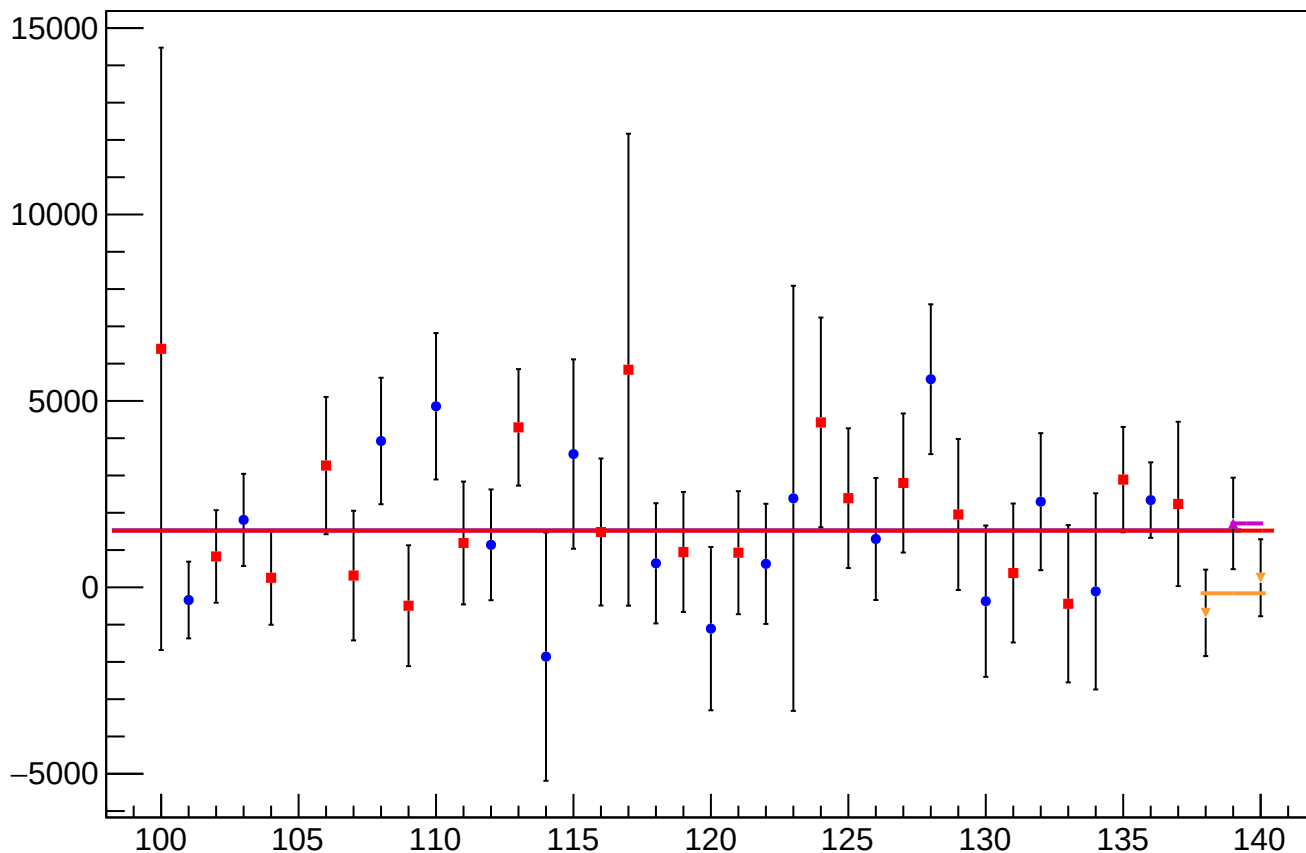
Left In: 869.810+/-0.722 χ^2/NDF : 0.0/0

804.166+/-0.204 χ^2/NDF : 637099.8/18

835.193+/-0.150 χ^2/NDF : 1100662.9/39

872.442+/-0.223 χ^2/NDF : 412495.8/20

asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1525.470+/-401.784 χ^2/NDF : 18.2/16

Left Out: -159.727+/-771.138 χ^2/NDF : 0.4/1

Right Out: 1521.641+/-399.157 χ^2/NDF : 12.6/19

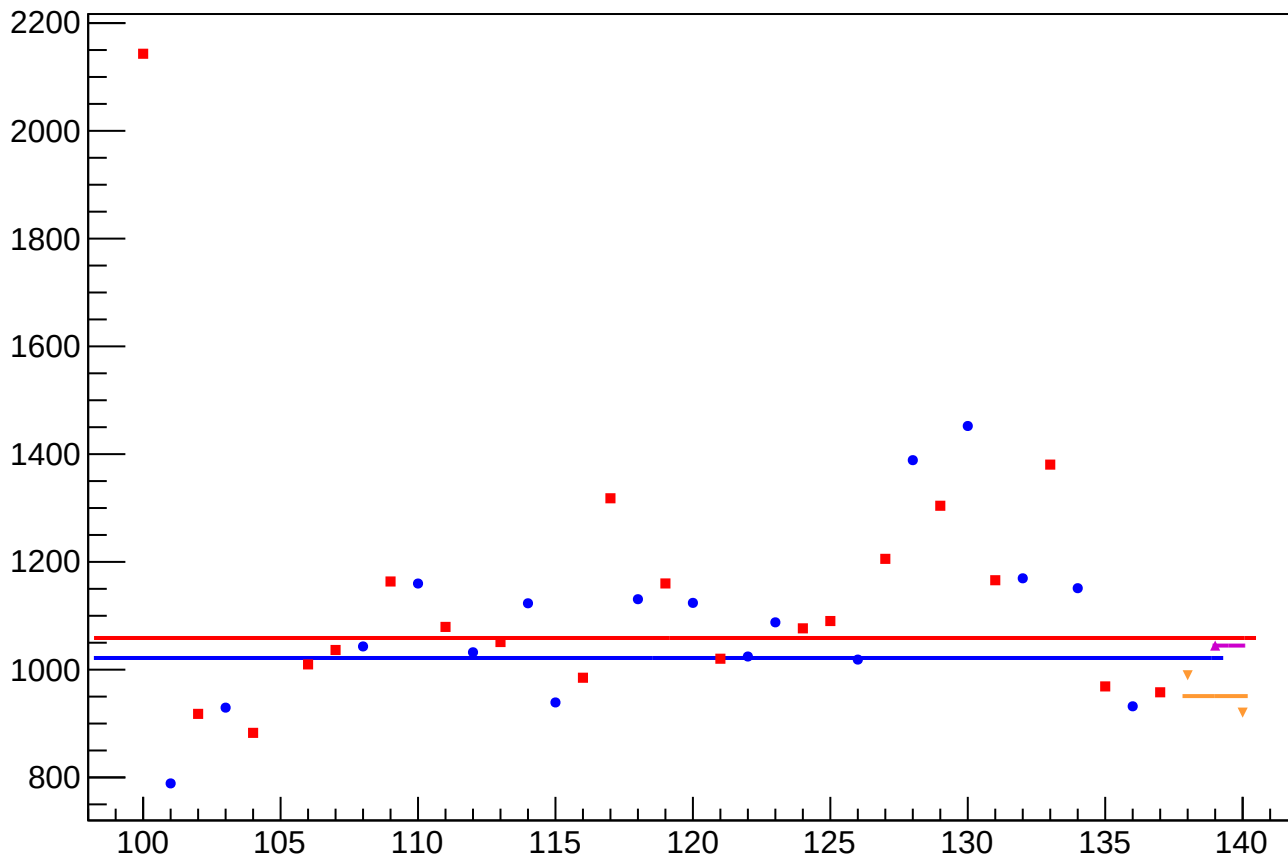
Left In: 1713.929+/-1226.605 χ^2/NDF : 0.0/0

1165.667+/-356.319 χ^2/NDF : 22.4/18

1341.046+/-259.785 χ^2/NDF : 35.5/39

1540.054+/-379.565 χ^2/NDF : 12.6/20

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 950.947+/-0.545 χ^2/NDF : 3988.3/1

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

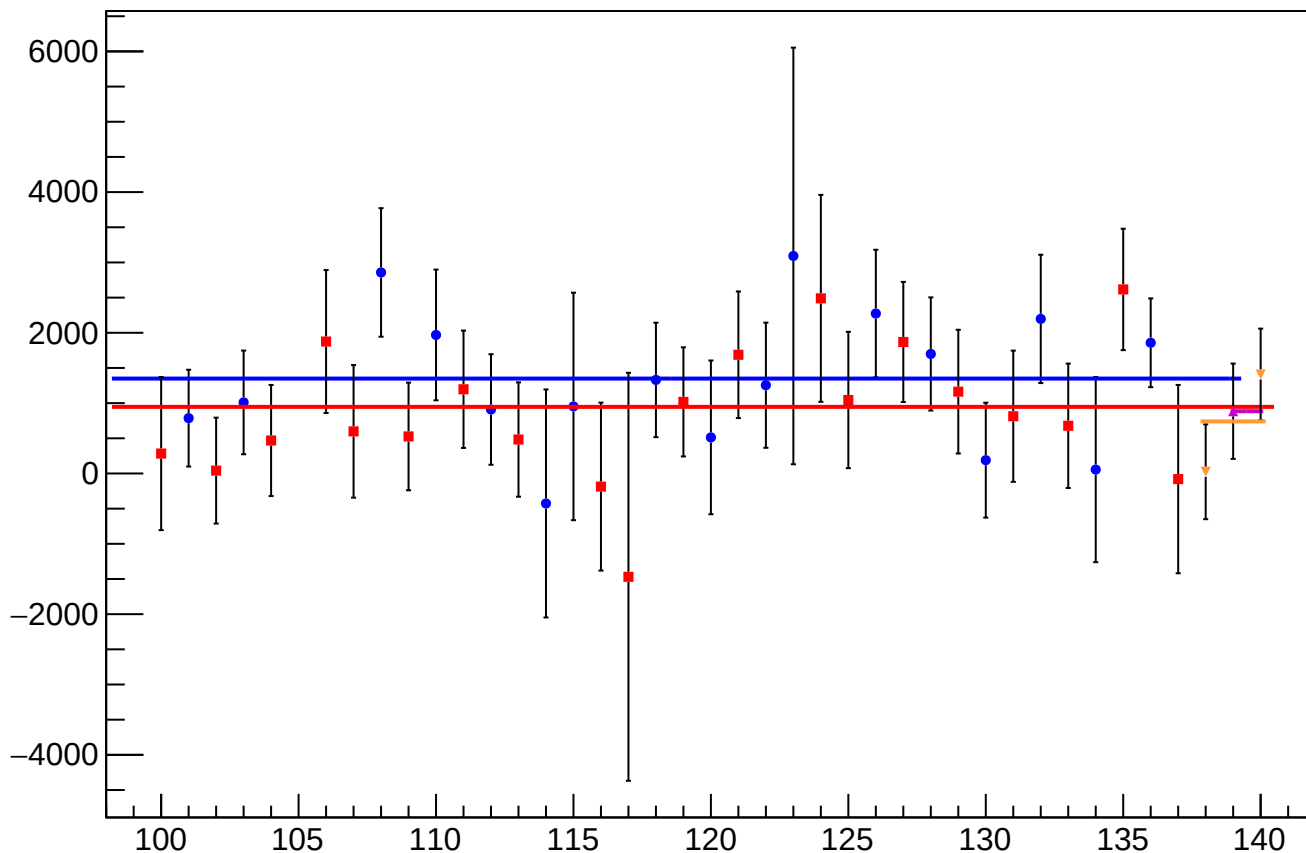
Left In: 1044.683+/-0.867 χ^2/NDF : 0.0/0

1006.566+/-0.252 χ^2/NDF : 349166.4/18

1030.394+/-0.184 χ^2/NDF : 602813.7/39

1057.433+/-0.268 χ^2/NDF : 234553.8/20

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 740.075 $\pm$ 468.364 χ^2 /NDF: 2.2/1

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

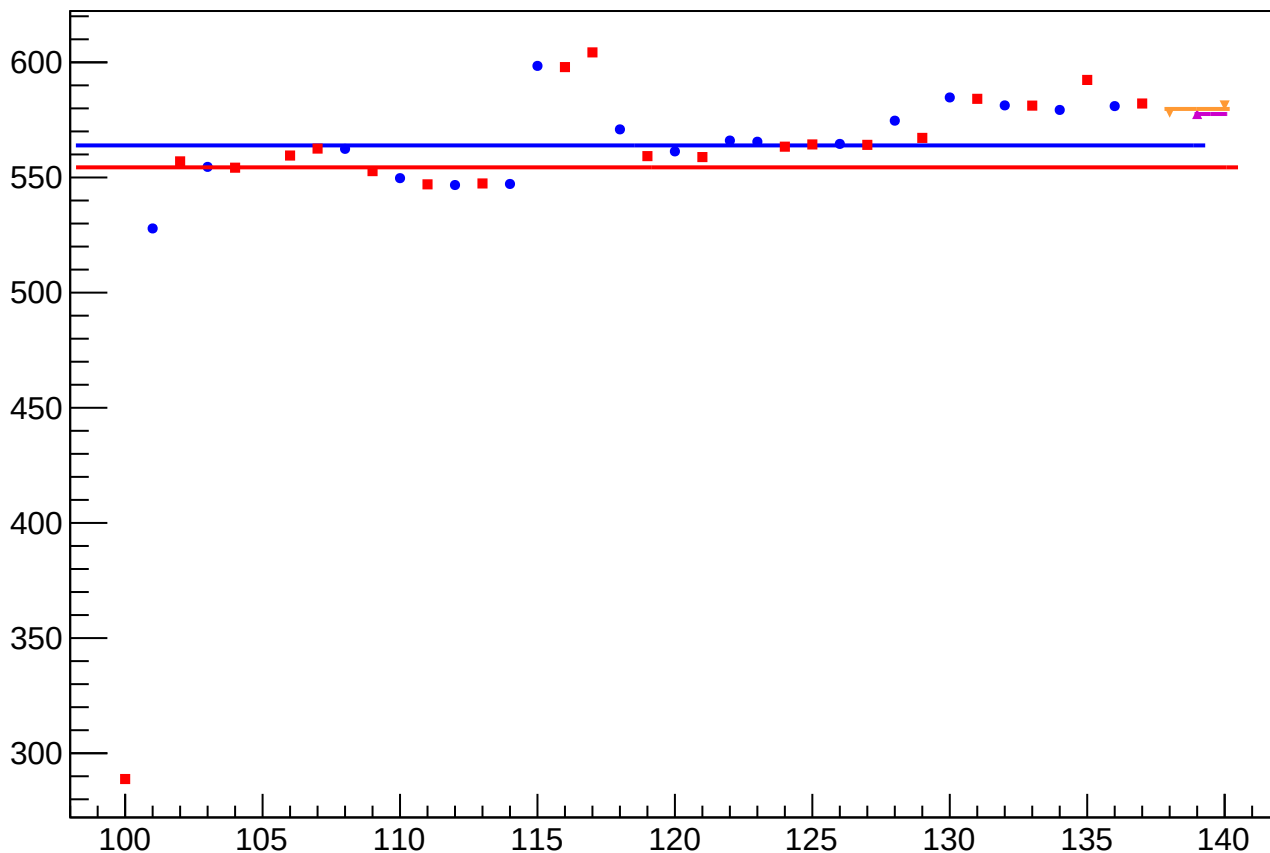
Left In: 885.007 $\pm$ 677.835 χ^2 /NDF: 0.0/0

1240.403 $\pm$ 197.909 χ^2 /NDF: 15.9/18

1091.517 $\pm$ 140.154 χ^2 /NDF: 29.9/39

941.730 $\pm$ 198.507 χ^2 /NDF: 12.9/20

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 579.762 ± 0.331 χ^2/NDF : 22.5/1

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

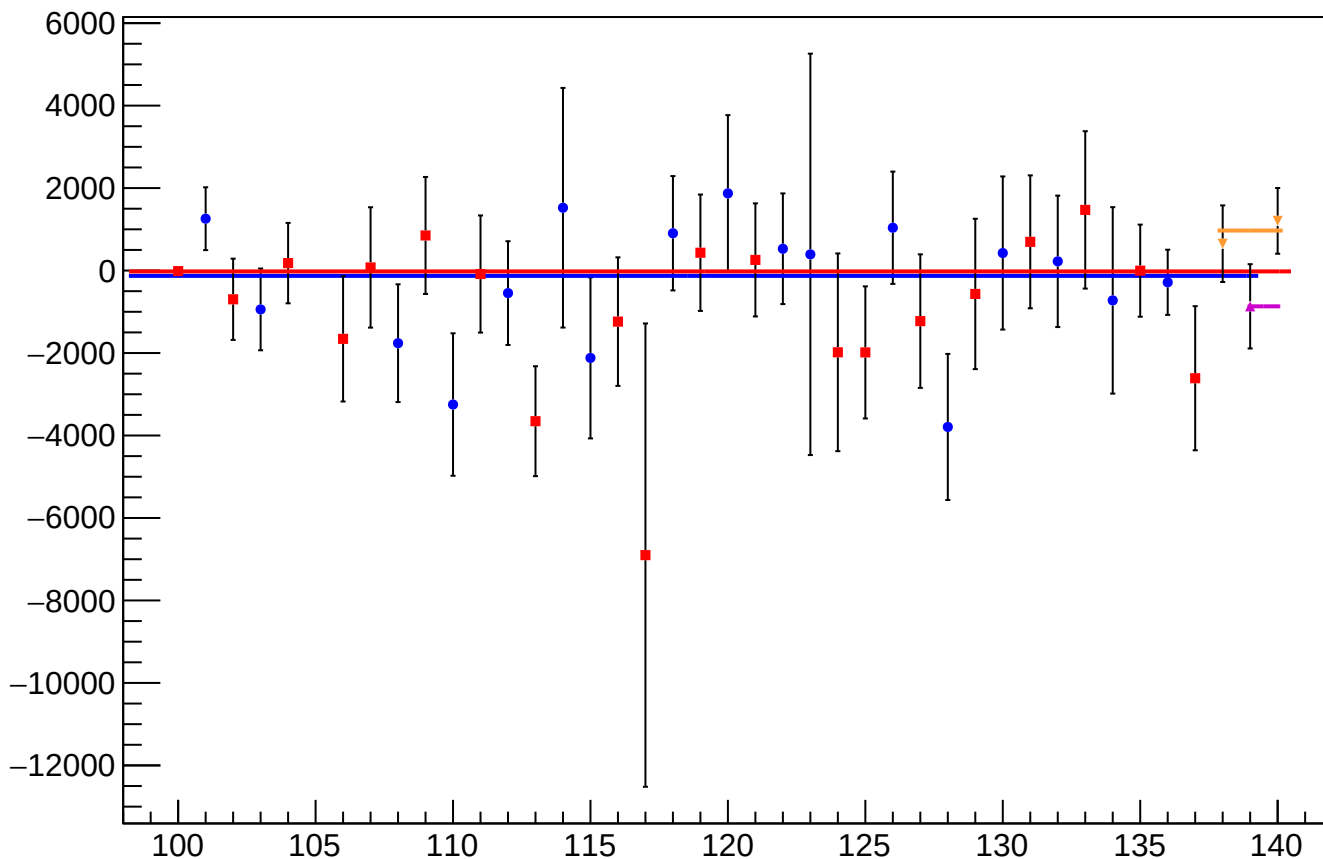
Left In: 577.559 ± 0.479 χ^2/NDF : 0.0/0

566.751 ± 0.140 χ^2/NDF : 14564.7/18

561.585 ± 0.099 χ^2/NDF : 151993.0/39

556.388 ± 0.140 χ^2/NDF : 134694.8/20

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 970.239+/-604.936 χ^2/NDF : 0.2/1

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

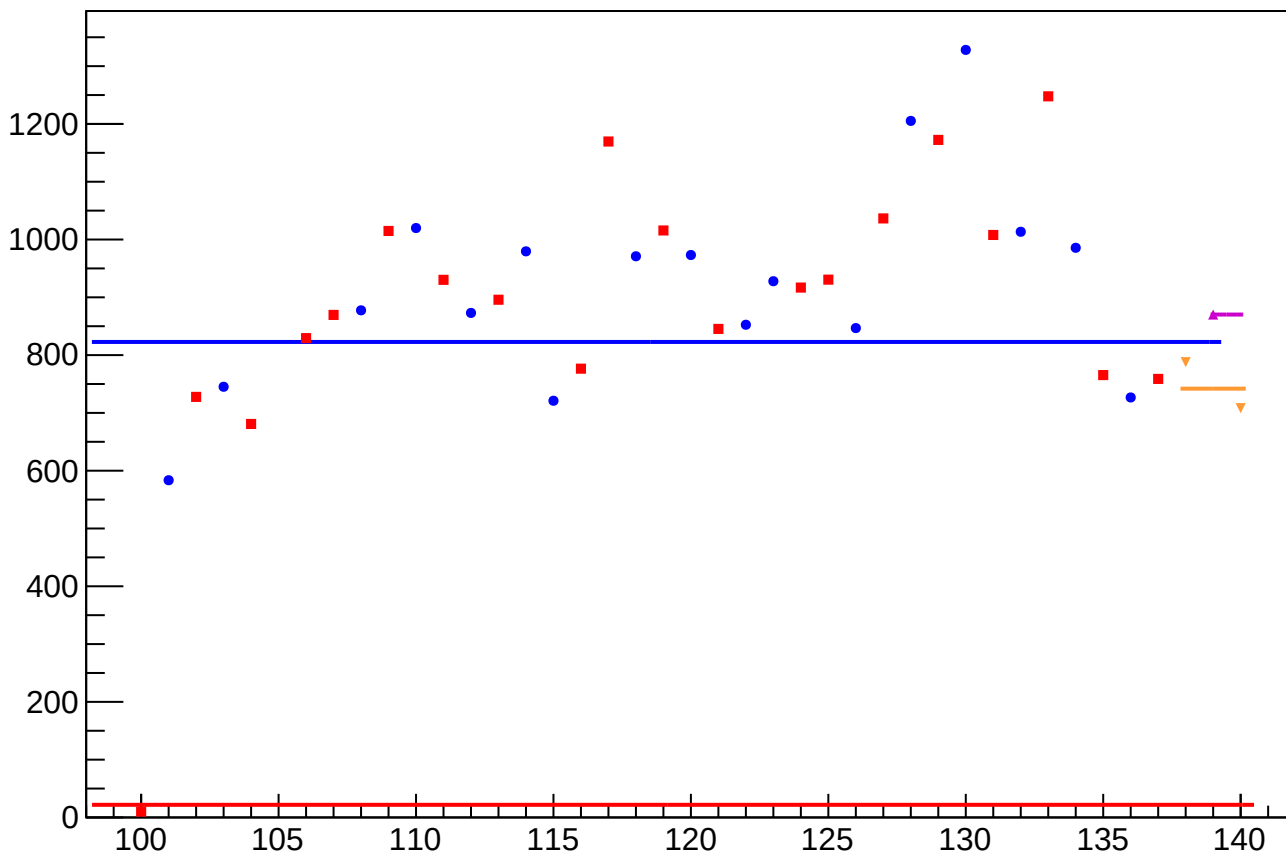
Left In: -867.645+/-1022.140 χ^2/NDF : 0.0/0

120.587+/-288.131 χ^2/NDF : 20.0/18

-19.388+/-38.575 χ^2/NDF : 38.5/39

-21.943+/-38.925 χ^2/NDF : 18.3/20

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 741.945 $\pm$ 0.428 χ^2 /NDF: 8451.4/1

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

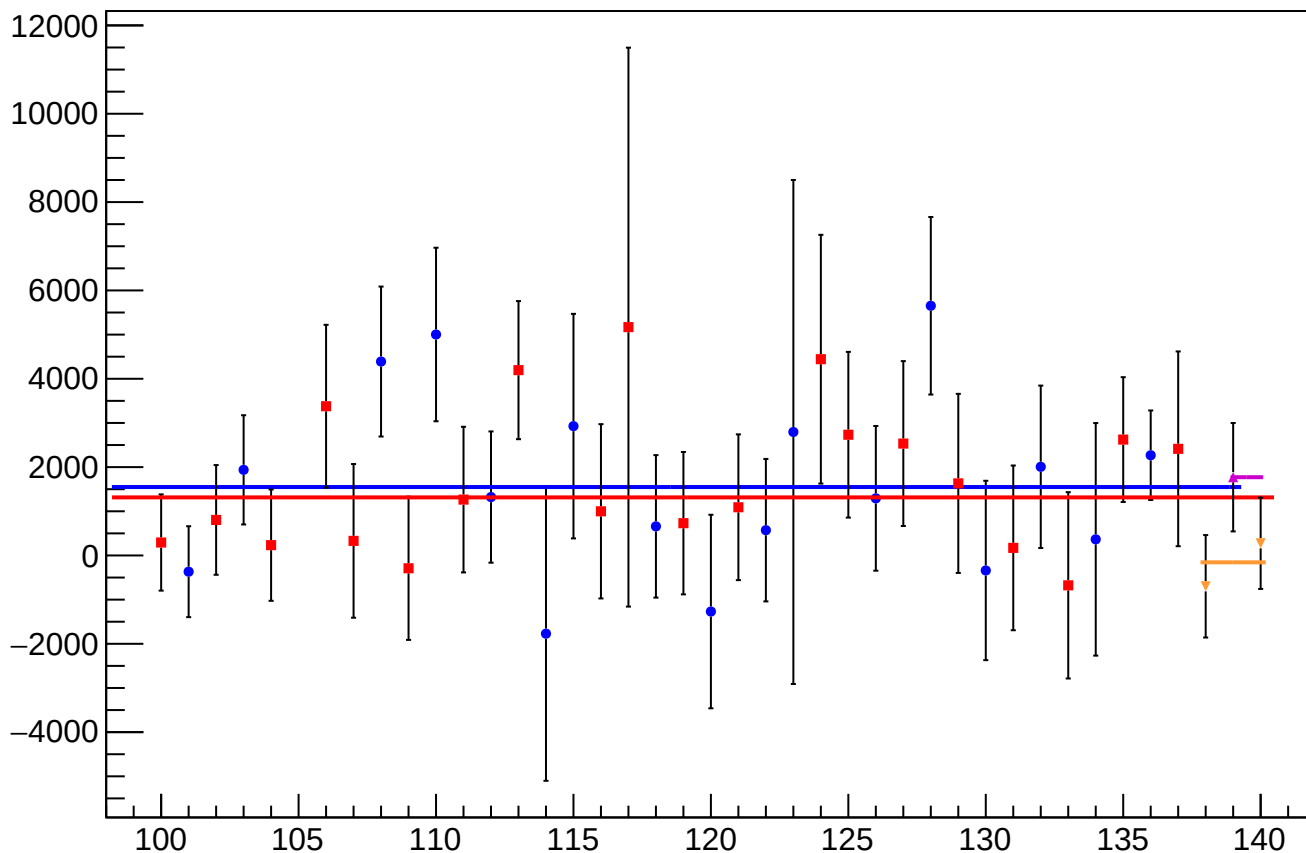
Left In: 870.174 $\pm$ 0.723 χ^2 /NDF: 0.0/0

804.442 $\pm$ 0.204 χ^2 /NDF: 636935.0/18

37.102 $\pm$ 0.027 χ^2 /NDF: 30063396.5/39

23.098 $\pm$ 0.028 χ^2 /NDF: 14982669.2/20

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: -155.351 $\pm$ 771.688 χ^2 /NDF: 0.4/1

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

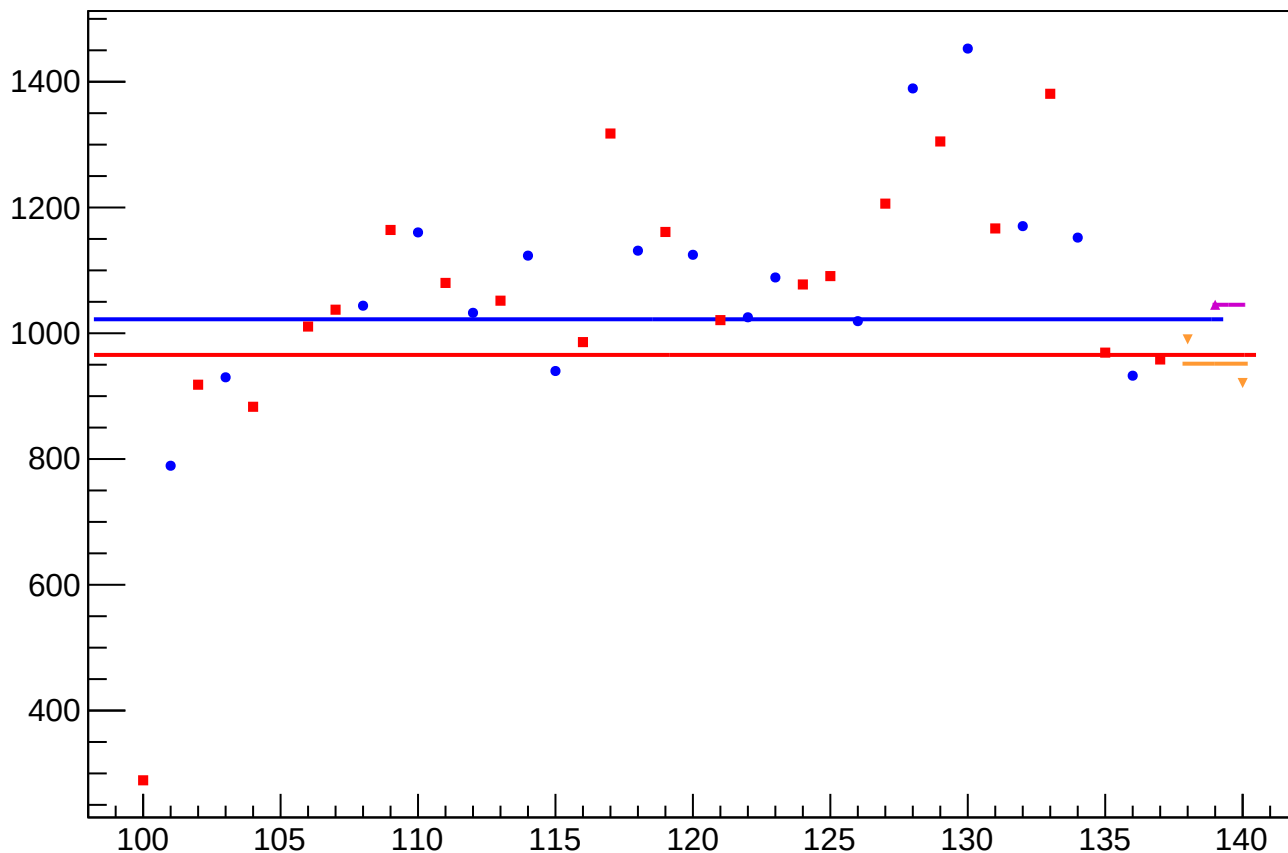
Left In: 1771.660 $\pm$ 1227.358 χ^2 /NDF: 0.0/0

1185.095 $\pm$ 356.530 χ^2 /NDF: 23.2/18

1268.805 $\pm$ 252.962 χ^2 /NDF: 36.4/39

1353.662 $\pm$ 358.967 χ^2 /NDF: 13.0/20

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 951.618+/-0.546 χ^2/NDF : 3988.5/1

Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

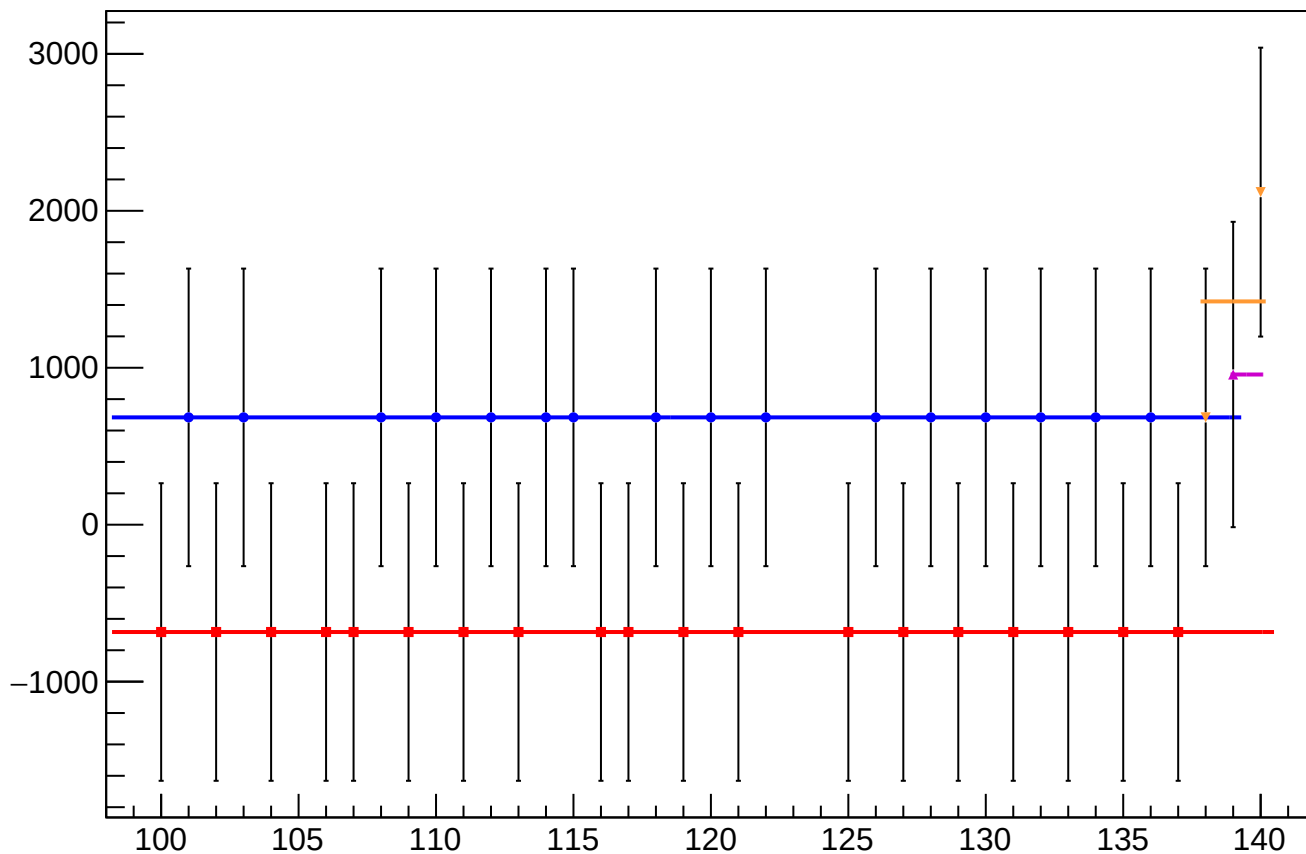
Left In: 1045.328+/-0.868 χ^2/NDF : 0.0/0

1007.166+/-0.252 χ^2/NDF : 349029.9/18

989.900+/-0.179 χ^2/NDF : 1439695.9/39

972.396+/-0.254 χ^2/NDF : 1081219.6/20

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 683.821 $\pm$ 237.011 χ^2/NDF : 0.0/15

Left Out: 1422.699 $\pm$ 660.381 χ^2/NDF : 1.2/1

Right Out: -683.821 $\pm$ 217.496 χ^2/NDF : 0.0/18

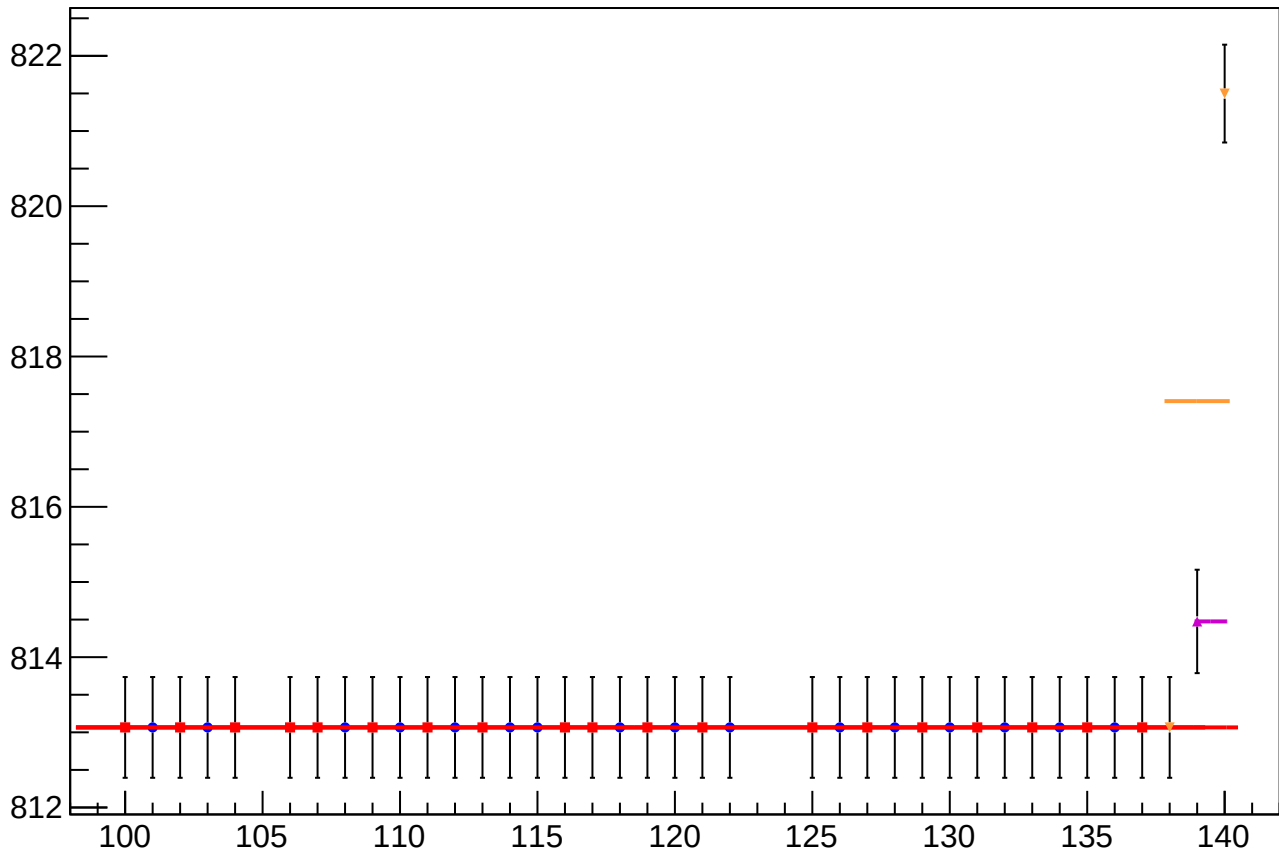
Left In: 956.987 $\pm$ 972.849 χ^2/NDF : 0.0/0

768.135 $\pm$ 223.079 χ^2/NDF : 2.3/17

47.078 $\pm$ 153.771 χ^2/NDF : 24.9/37

-605.715 $\pm$ 212.256 χ^2/NDF : 2.7/19

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 813.065 $\pm$ 0.168 χ^2 /NDF: 0.0/15

Left Out: 817.406 $\pm$ 0.467 χ^2 /NDF: 81.5/1

Right Out: 813.065 $\pm$ 0.154 χ^2 /NDF: 0.0/18

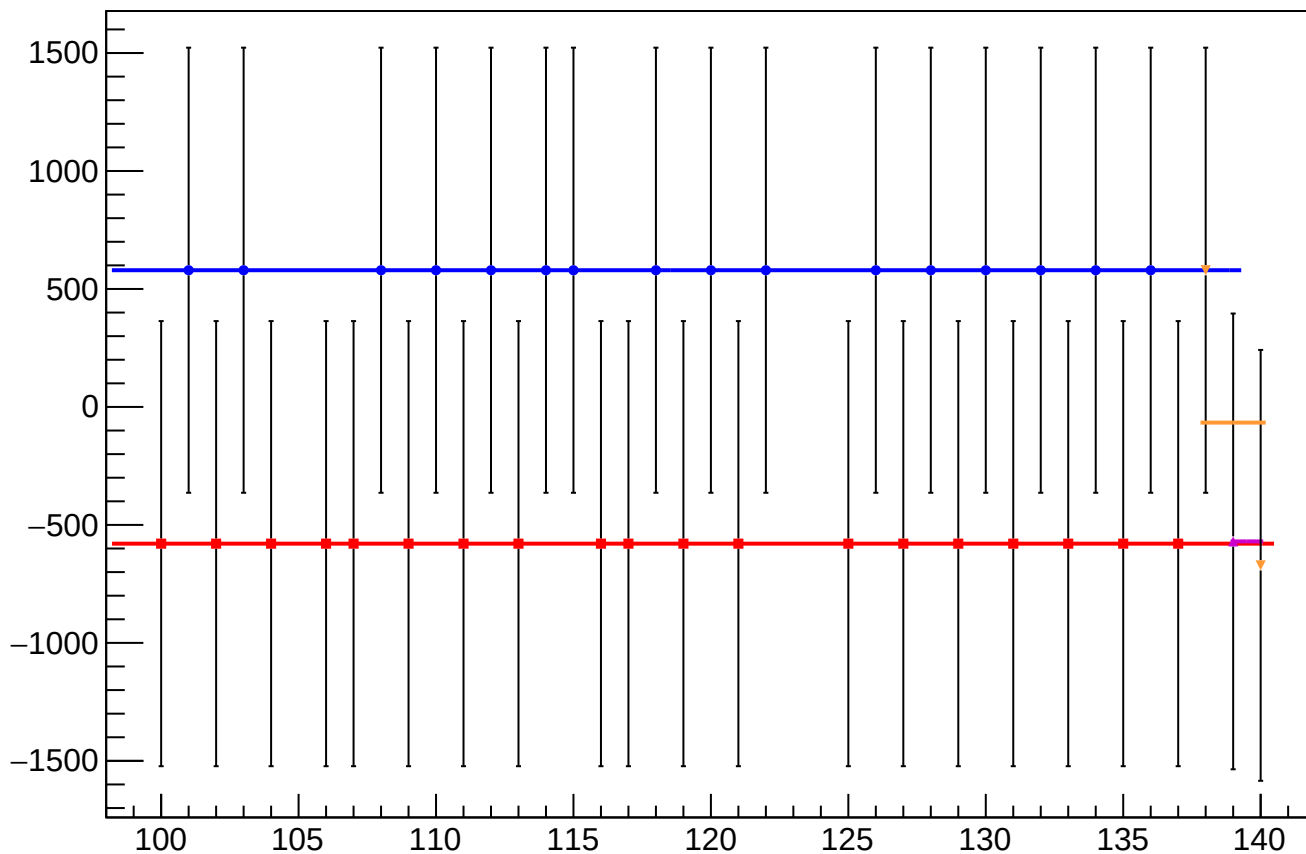
Left In: 814.475 $\pm$ 0.688 χ^2 /NDF: 0.0/0

813.561 $\pm$ 0.158 χ^2 /NDF: 158.0/17

813.336 $\pm$ 0.109 χ^2 /NDF: 165.9/37

813.133 $\pm$ 0.150 χ^2 /NDF: 4.0/19

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: 579.419+/-235.812 χ^2/NDF : 0.0/15

Left Out: -66.356+/-656.043 χ^2/NDF : 0.9/1

Right Out: -579.419+/-216.396 χ^2/NDF : 0.0/18

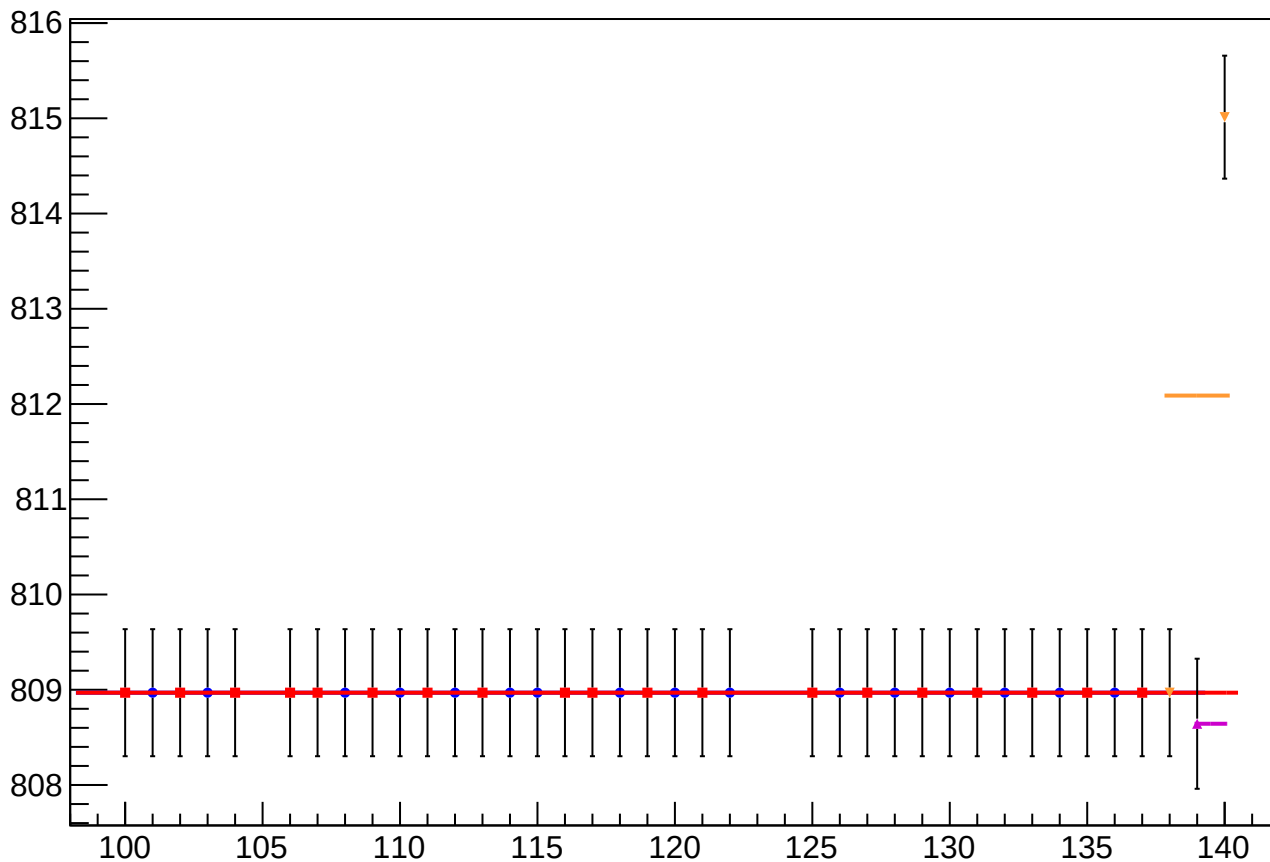
Left In: -569.933+/-965.829 χ^2/NDF : 0.0/0

505.531+/-221.912 χ^2/NDF : 1.8/17

-63.623+/-152.973 χ^2/NDF : 14.3/37

-578.966+/-211.161 χ^2/NDF : 0.0/19

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 808.969 $\pm$ 0.167 χ^2 /NDF: 0.0/15

Left Out: 812.089 $\pm$ 0.464 χ^2 /NDF: 42.4/1

Right Out: 808.969 $\pm$ 0.153 χ^2 /NDF: 0.0/18

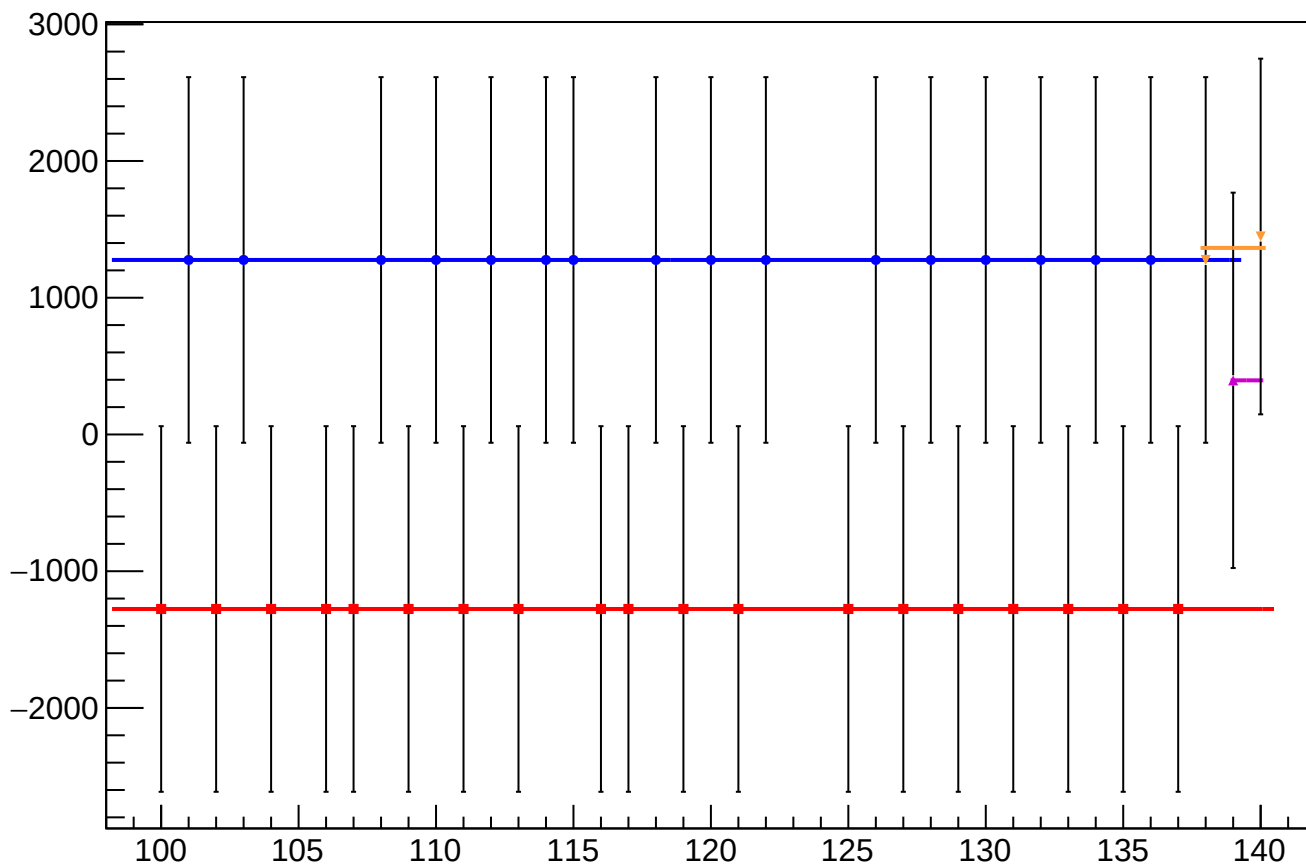
Left In: 808.643 $\pm$ 0.683 χ^2 /NDF: 0.0/0

809.326 $\pm$ 0.157 χ^2 /NDF: 82.4/17

809.131 $\pm$ 0.108 χ^2 /NDF: 85.6/37

808.953 $\pm$ 0.149 χ^2 /NDF: 0.2/19

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1276.244 $\pm$ 334.229 χ^2/NDF : 0.0/15

Left Out: 1364.356 $\pm$ 932.201 χ^2/NDF : 0.0/1

Right Out: -1276.244 $\pm$ 306.710 χ^2/NDF : 0.0/18

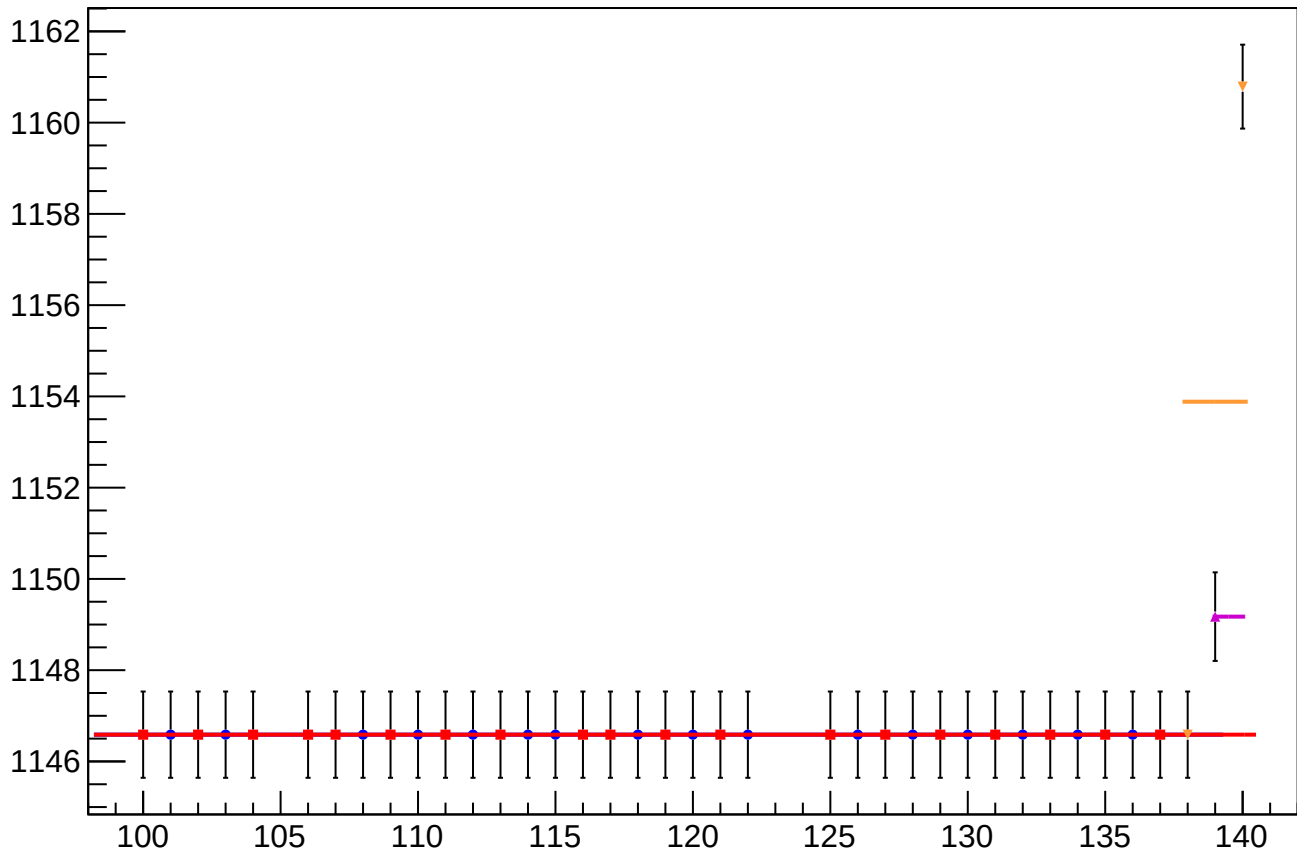
Left In: 395.771 $\pm$ 1372.589 χ^2/NDF : 0.0/0

1286.280 $\pm$ 314.618 χ^2/NDF : 0.0/17

-17.026 $\pm$ 216.861 χ^2/NDF : 34.1/37

-1196.728 $\pm$ 299.328 χ^2/NDF : 1.4/19

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1146.587 ± 0.236 χ^2/NDF : 0.0/15

Left Out: 1153.884 ± 0.659 χ^2/NDF : 116.0/1

Right Out: 1146.587 ± 0.217 χ^2/NDF : 0.0/18

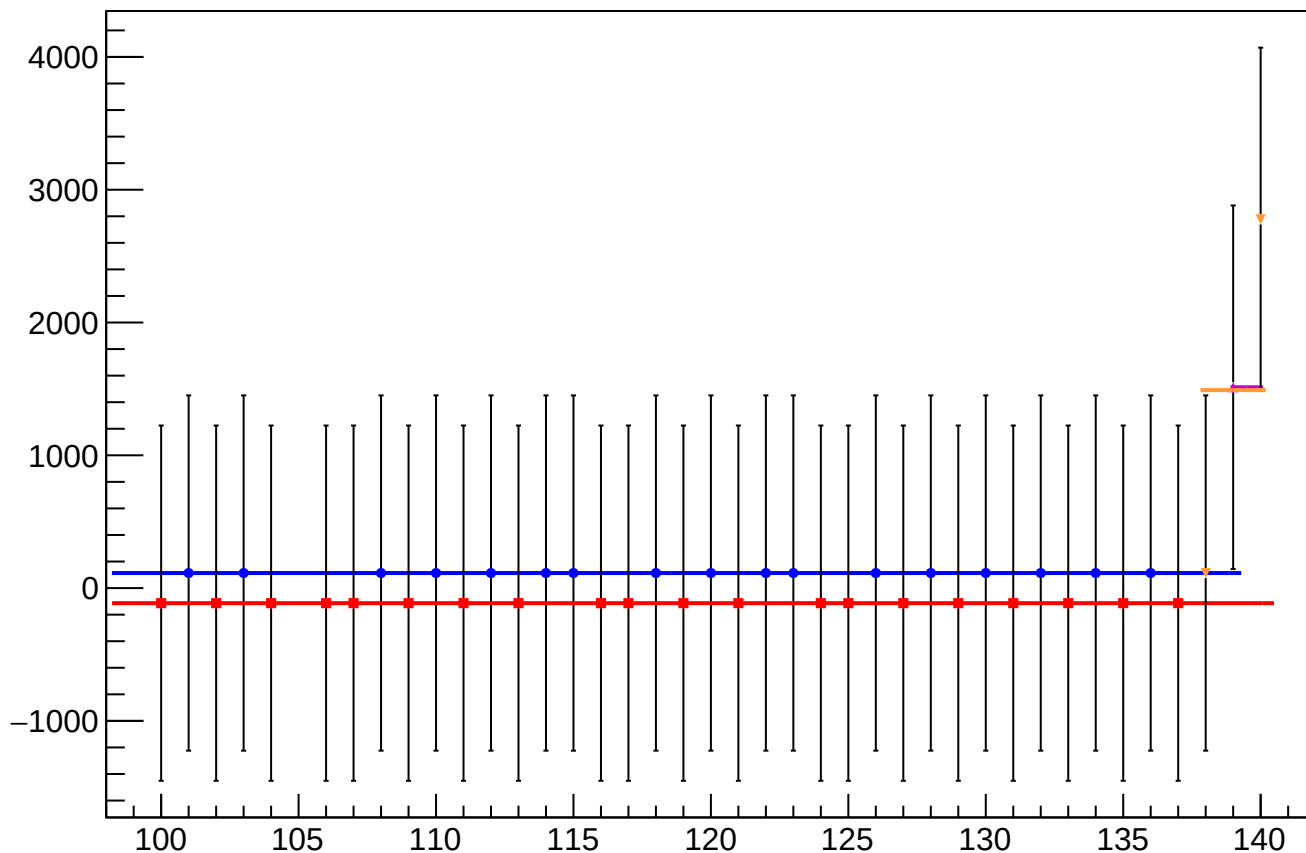
Left In: 1149.173 ± 0.971 χ^2/NDF : 0.0/0

1147.418 ± 0.222 χ^2/NDF : 224.6/17

1147.046 ± 0.153 χ^2/NDF : 236.6/37

1146.710 ± 0.212 χ^2/NDF : 6.8/19

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 113.423+/-324.462 χ^2/NDF : 0.0/16

Left Out: 1491.105+/-929.566 χ^2/NDF : 2.1/1

Right Out: -113.423+/-299.140 χ^2/NDF : 0.0/19

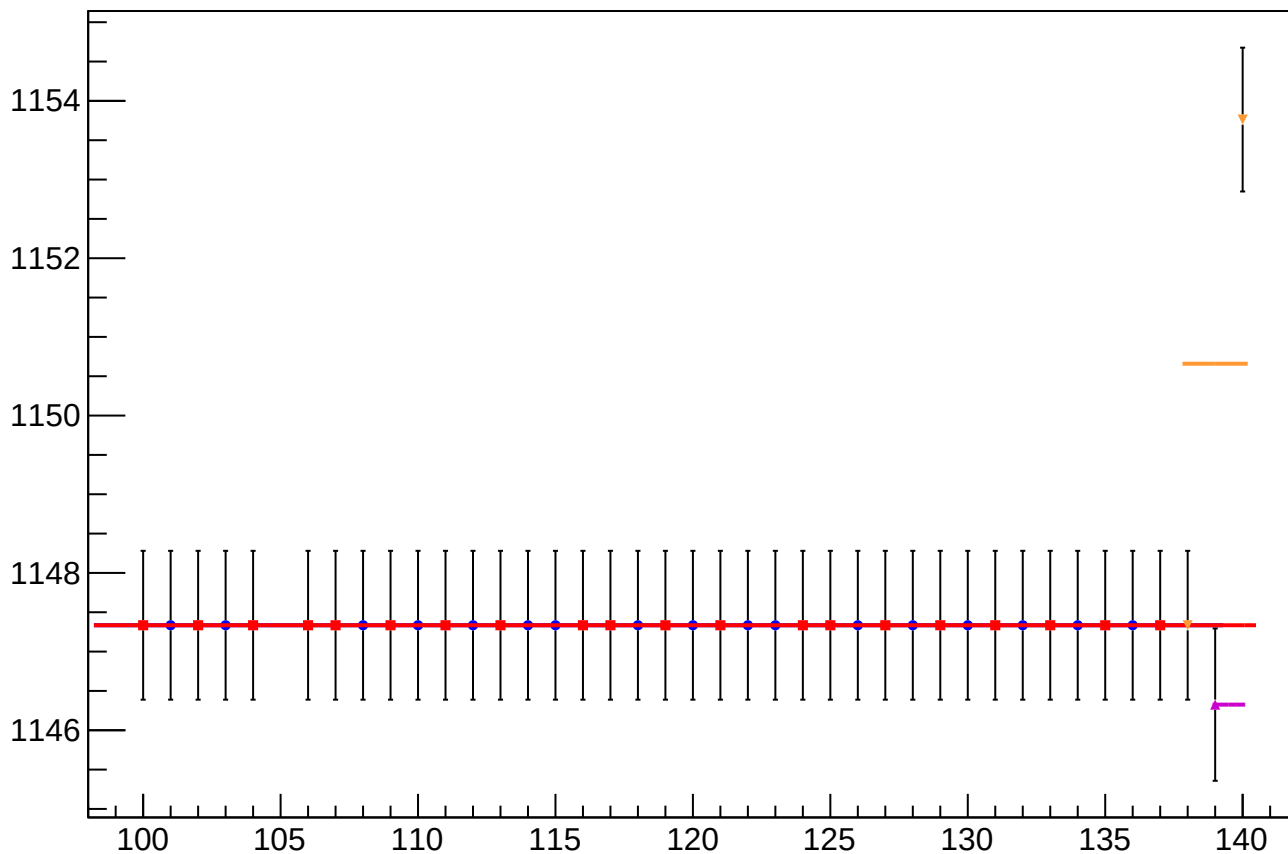
Left In: 1512.548+/-1369.181 χ^2/NDF : 0.0/0

263.042+/-306.337 χ^2/NDF : 4.0/18

104.734+/-211.455 χ^2/NDF : 5.9/39

-39.345+/-292.246 χ^2/NDF : 1.3/20

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1147.335 ± 0.229 χ^2/NDF : 0.0/16

Left Out: 1150.659 ± 0.657 χ^2/NDF : 23.9/1

Right Out: 1147.335 ± 0.212 χ^2/NDF : 0.0/19

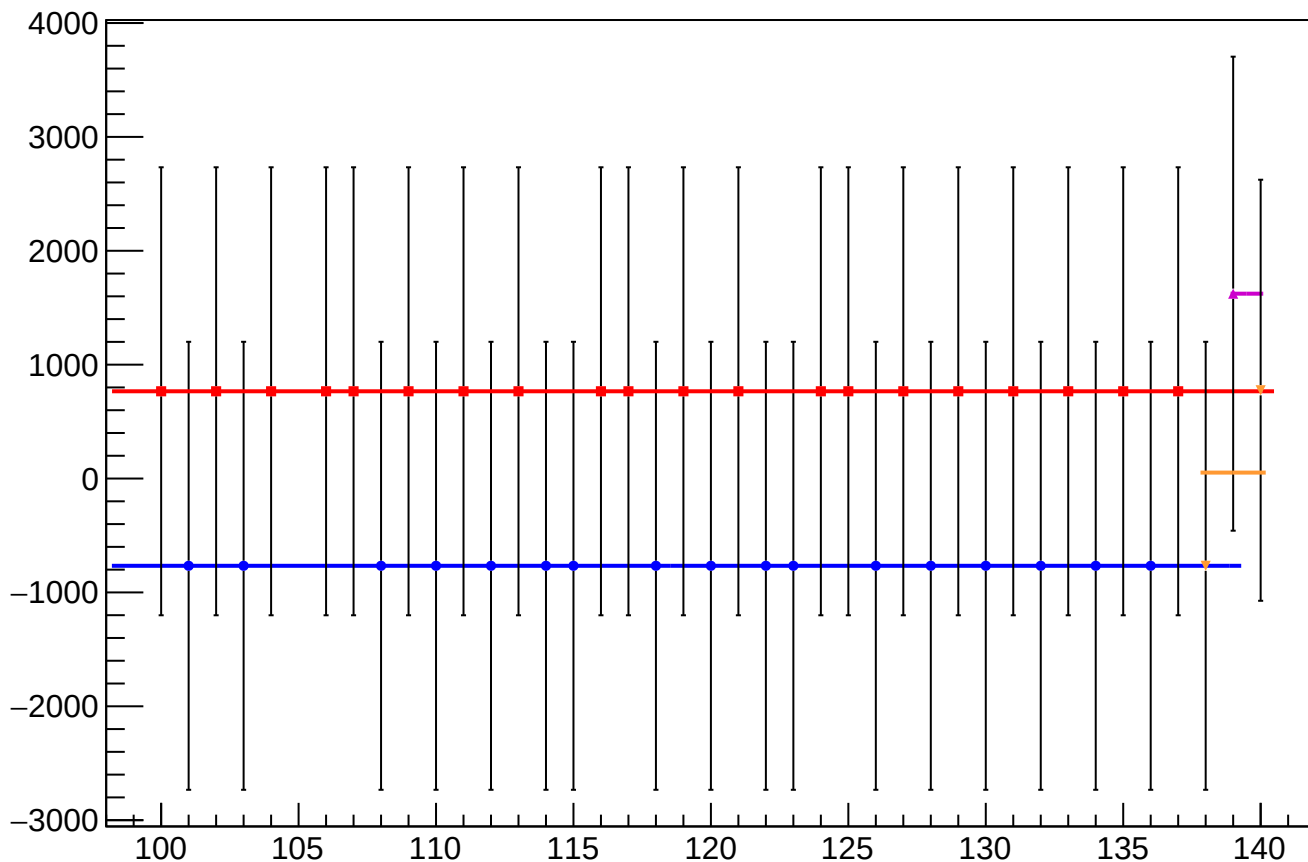
Left In: 1146.326 ± 0.968 χ^2/NDF : 0.0/0

1147.696 ± 0.217 χ^2/NDF : 46.7/18

1147.483 ± 0.150 χ^2/NDF : 49.6/39

1147.289 ± 0.207 χ^2/NDF : 1.0/20

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -766.254+/-477.068 χ^2 /NDF: 0.0/16

Left Out: 52.218+/-1347.118 χ^2 /NDF: 0.3/1

Right Out: 766.254+/-439.835 χ^2 /NDF: 0.0/19

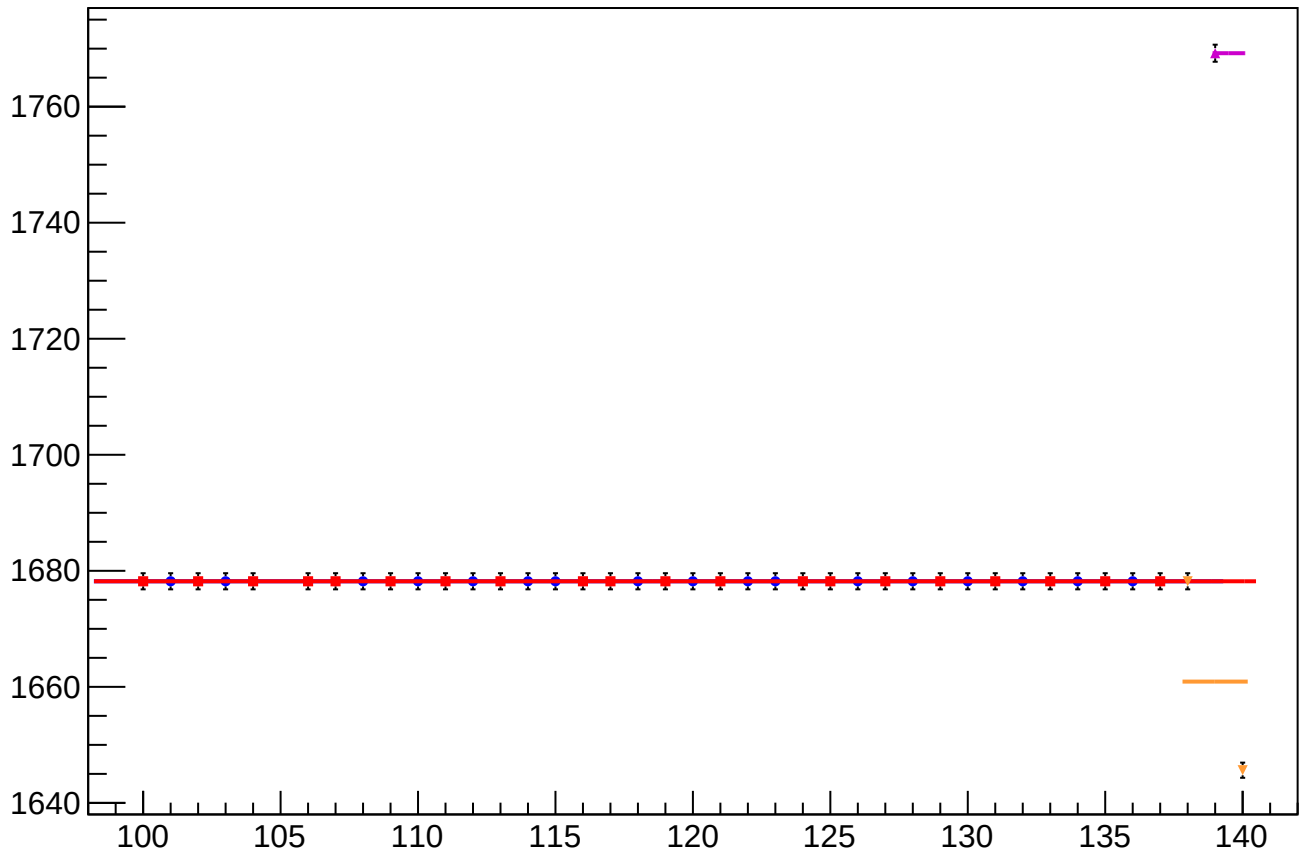
Left In: 1623.244+/-2081.283 χ^2 /NDF: 0.0/0

-675.045+/-449.701 χ^2 /NDF: 0.7/18

96.438+/-310.912 χ^2 /NDF: 6.5/39

802.891+/-430.330 χ^2 /NDF: 0.2/20

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1678.197 $\pm$ 0.337 χ^2 /NDF: 0.0/16

Left Out: 1660.906 $\pm$ 0.953 χ^2 /NDF: 291.1/1

Right Out: 1678.197 $\pm$ 0.311 χ^2 /NDF: 0.0/19

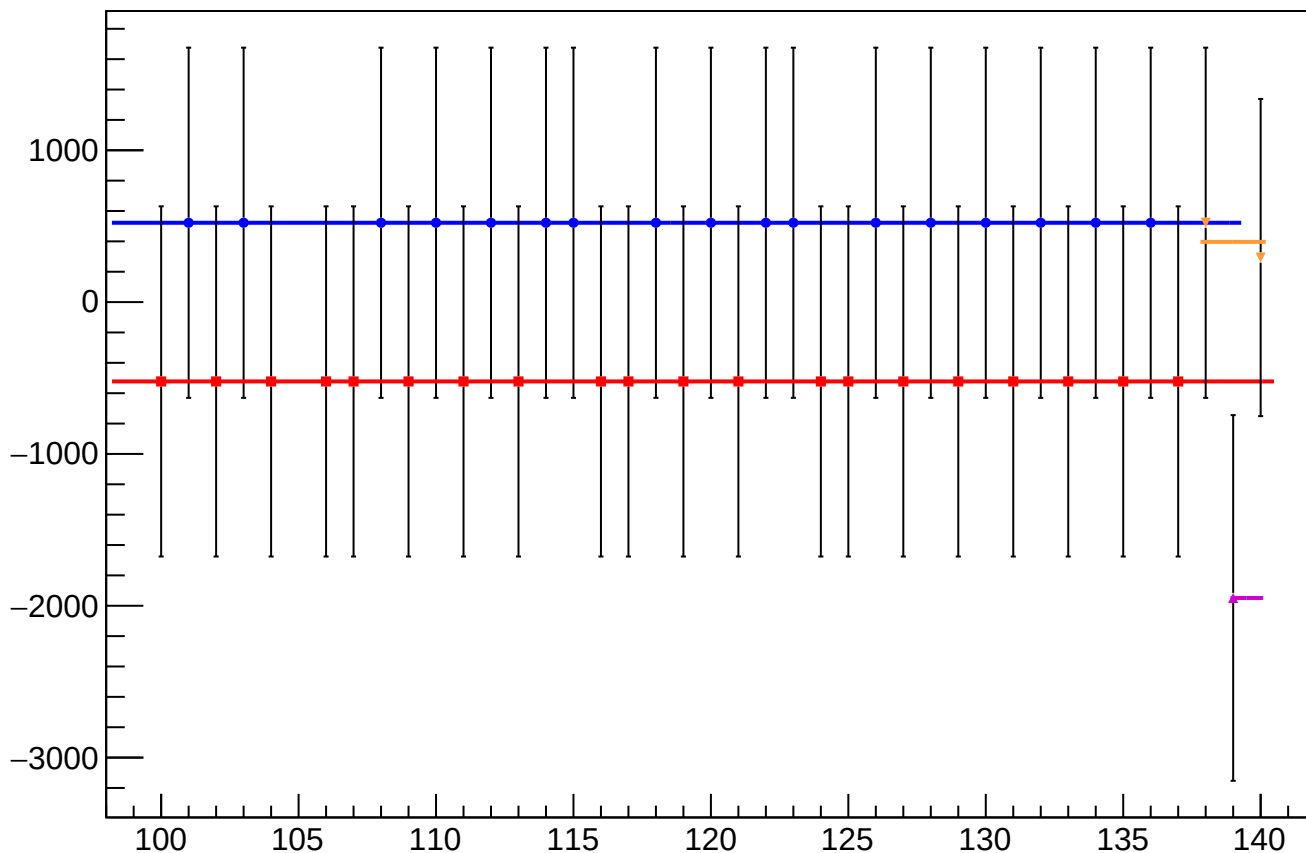
Left In: 1769.214 $\pm$ 1.472 χ^2 /NDF: 0.0/0

1676.270 $\pm$ 0.318 χ^2 /NDF: 583.8/18

1679.307 $\pm$ 0.220 χ^2 /NDF: 4419.9/39

1682.088 $\pm$ 0.304 χ^2 /NDF: 3661.3/20

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 522.542 $\pm$ 279.690 χ^2/NDF : 0.0/16

Left Out: 396.675 $\pm$ 774.176 χ^2/NDF : 0.0/1

Right Out: -522.542 $\pm$ 257.861 χ^2/NDF : 0.0/19

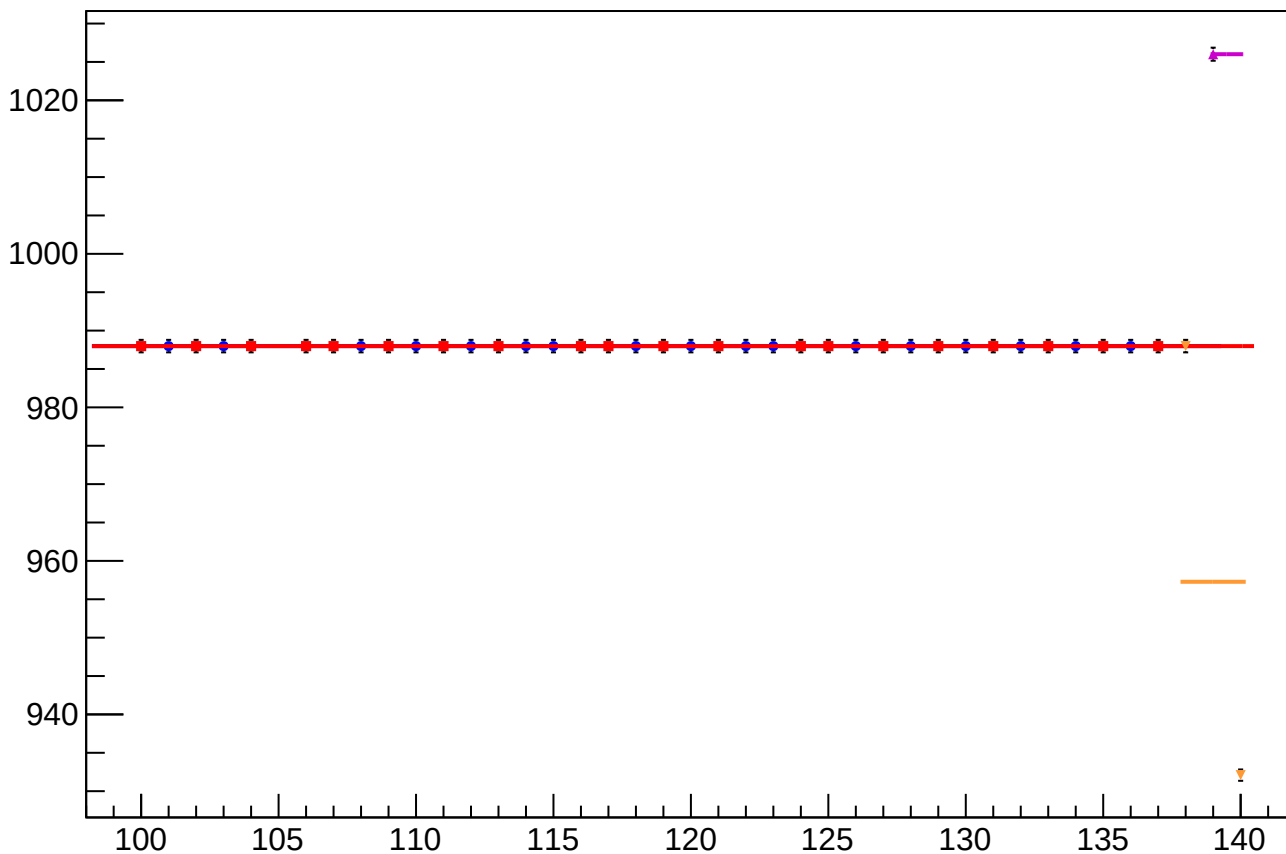
Left In: -1948.606 $\pm$ 1204.230 χ^2/NDF : 0.0/0

508.011 $\pm$ 263.049 χ^2/NDF : 0.0/18

-61.651 $\pm$ 182.026 χ^2/NDF : 10.4/39

-585.063 $\pm$ 252.145 χ^2/NDF : 1.3/20

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 987.980 $\pm$ 0.198 χ^2 /NDF: 0.0/16

Left Out: 957.279 $\pm$ 0.547 χ^2 /NDF: 2580.5/1

Right Out: 987.980 $\pm$ 0.182 χ^2 /NDF: 0.0/19

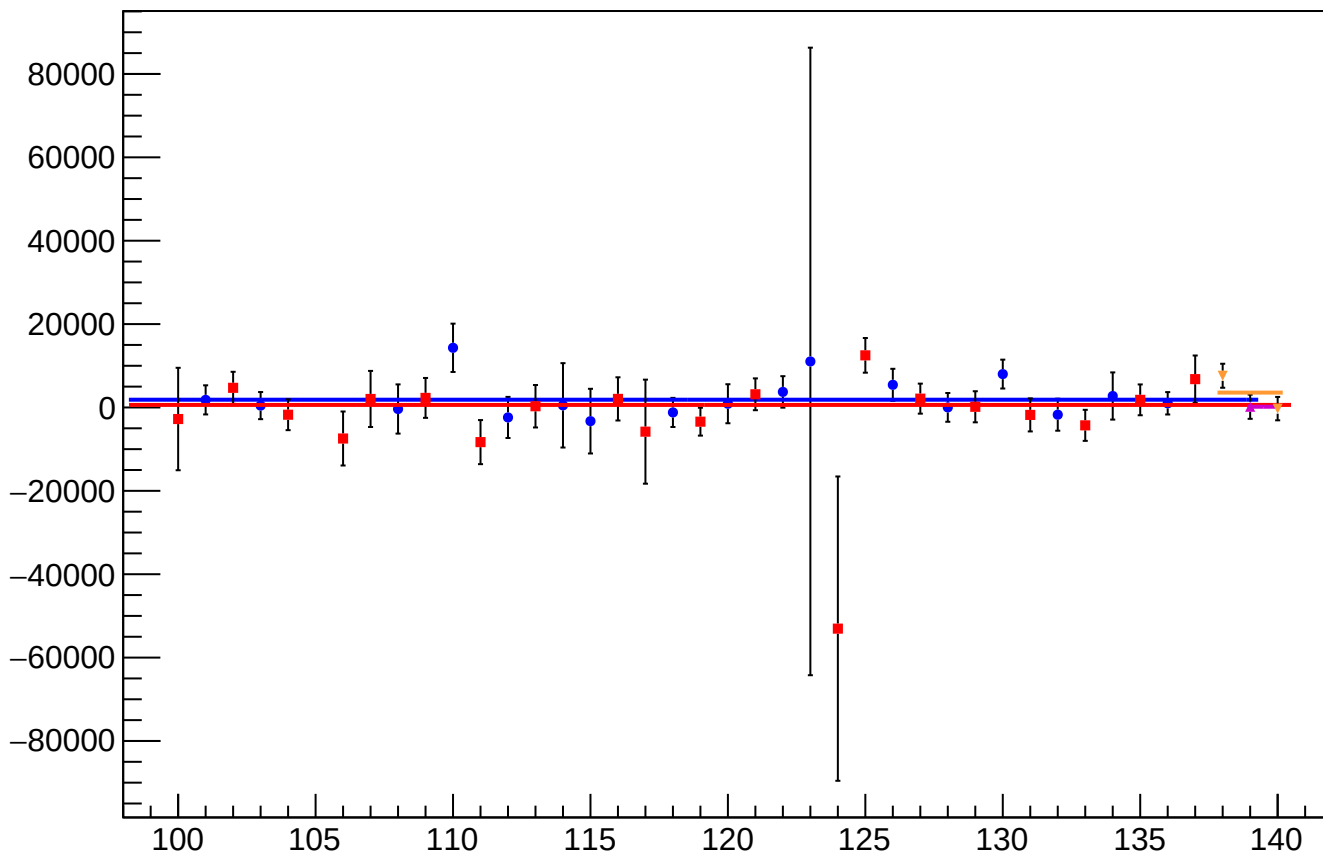
Left In: 1026.006 $\pm$ 0.852 χ^2 /NDF: 0.0/0

984.435 $\pm$ 0.186 χ^2 /NDF: 5362.5/18

987.151 $\pm$ 0.129 χ^2 /NDF: 7678.5/39

989.647 $\pm$ 0.178 χ^2 /NDF: 1906.9/20

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1859.767+/-1013.438 χ^2/NDF : 12.5/16

Left Out: 3568.082+/-2009.685 χ^2/NDF : 3.8/1

Right Out: 611.041+/-1020.345 χ^2/NDF : 22.3/19

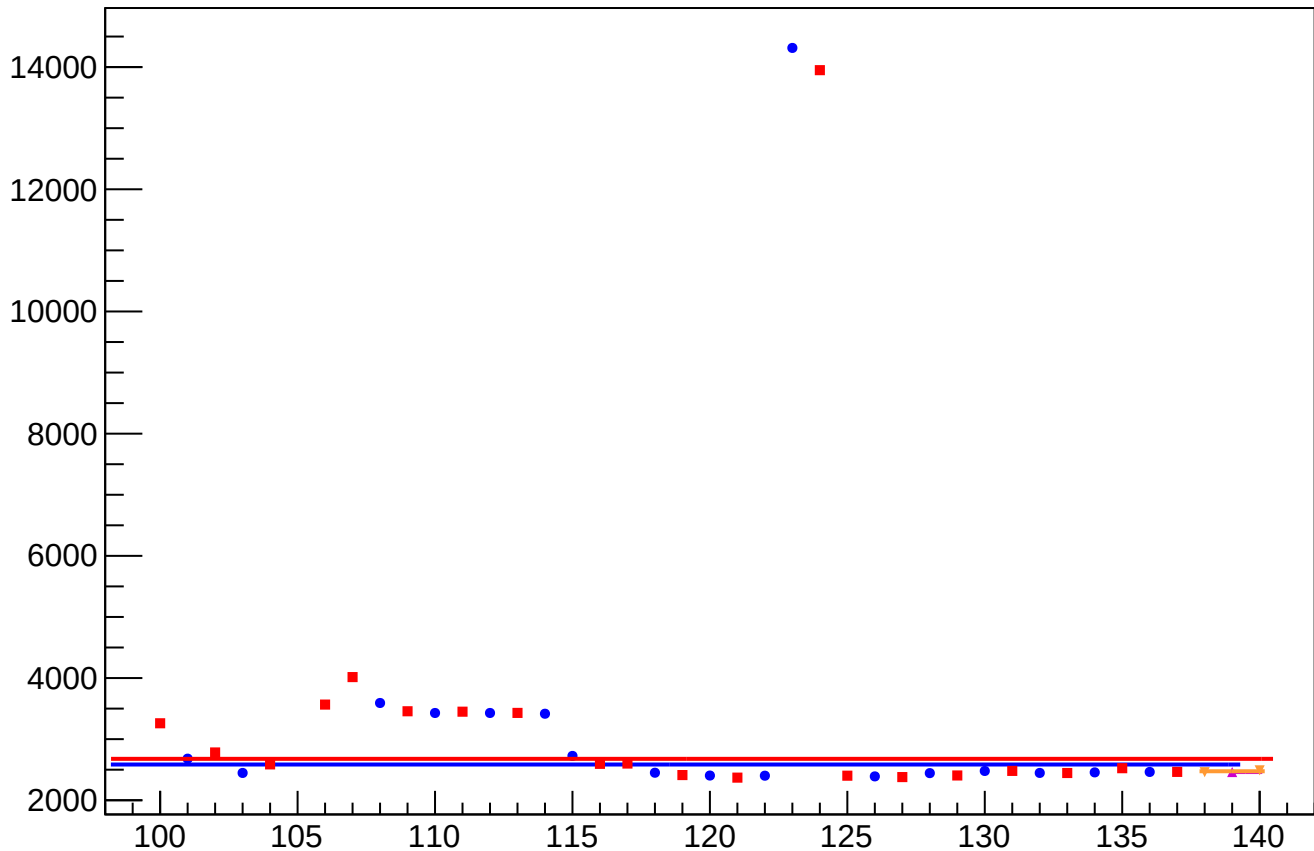
Left In: 173.803+/-2899.724 χ^2/NDF : 0.0/0

2206.110+/-904.893 χ^2/NDF : 16.9/18

1435.130+/-659.280 χ^2/NDF : 40.8/39

562.868+/-962.497 χ^2/NDF : 22.4/20

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2474.576+/-1.421 χ^2/NDF : 115.1/1

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

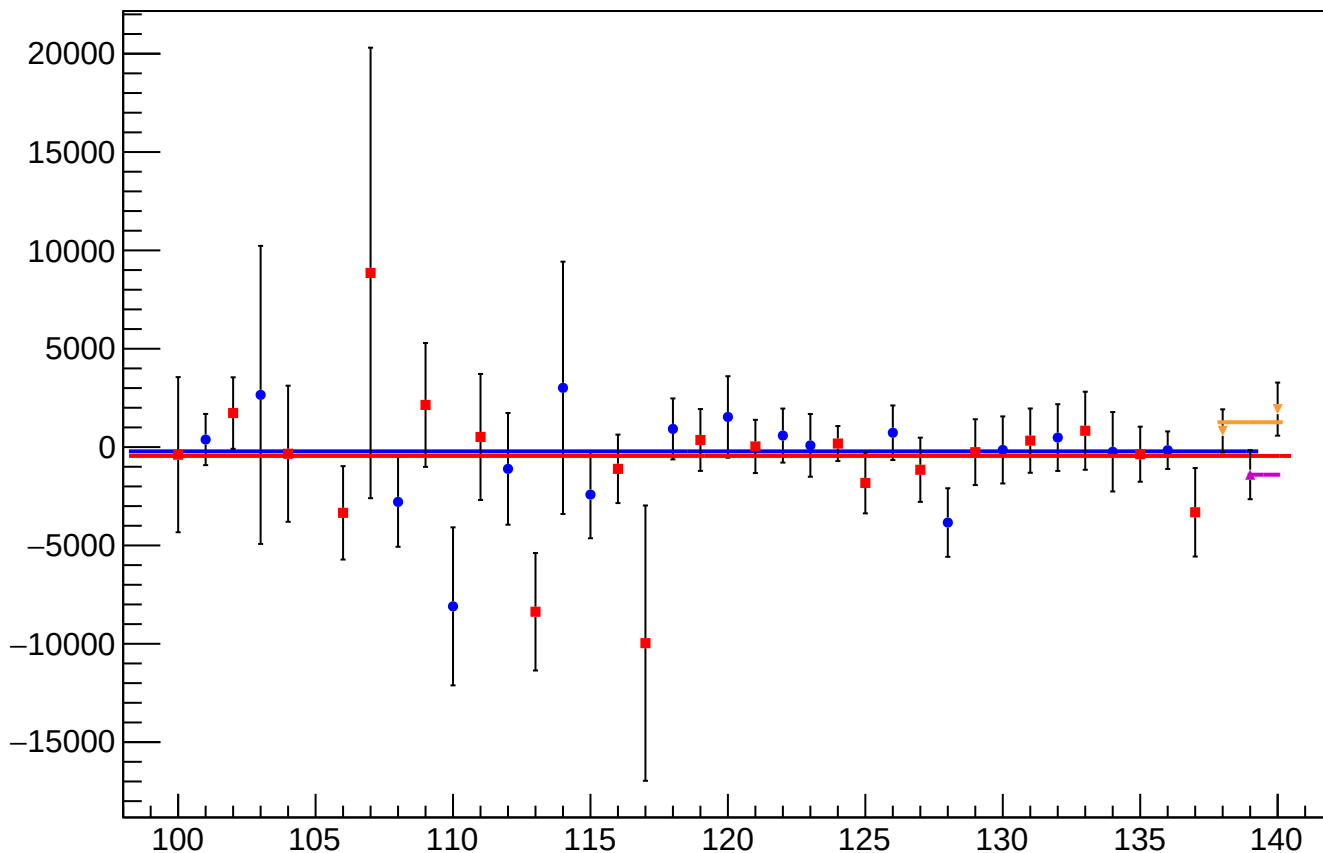
Left In: 2461.603+/-2.050 χ^2/NDF : 0.0/0

2562.468+/-0.640 χ^2/NDF : 260623.7/18

2605.367+/-0.466 χ^2/NDF : 812262.2/39

2653.901+/-0.681 χ^2/NDF : 542058.1/20

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 1263.489 ± 849.097 χ^2/NDF : 0.4/1

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

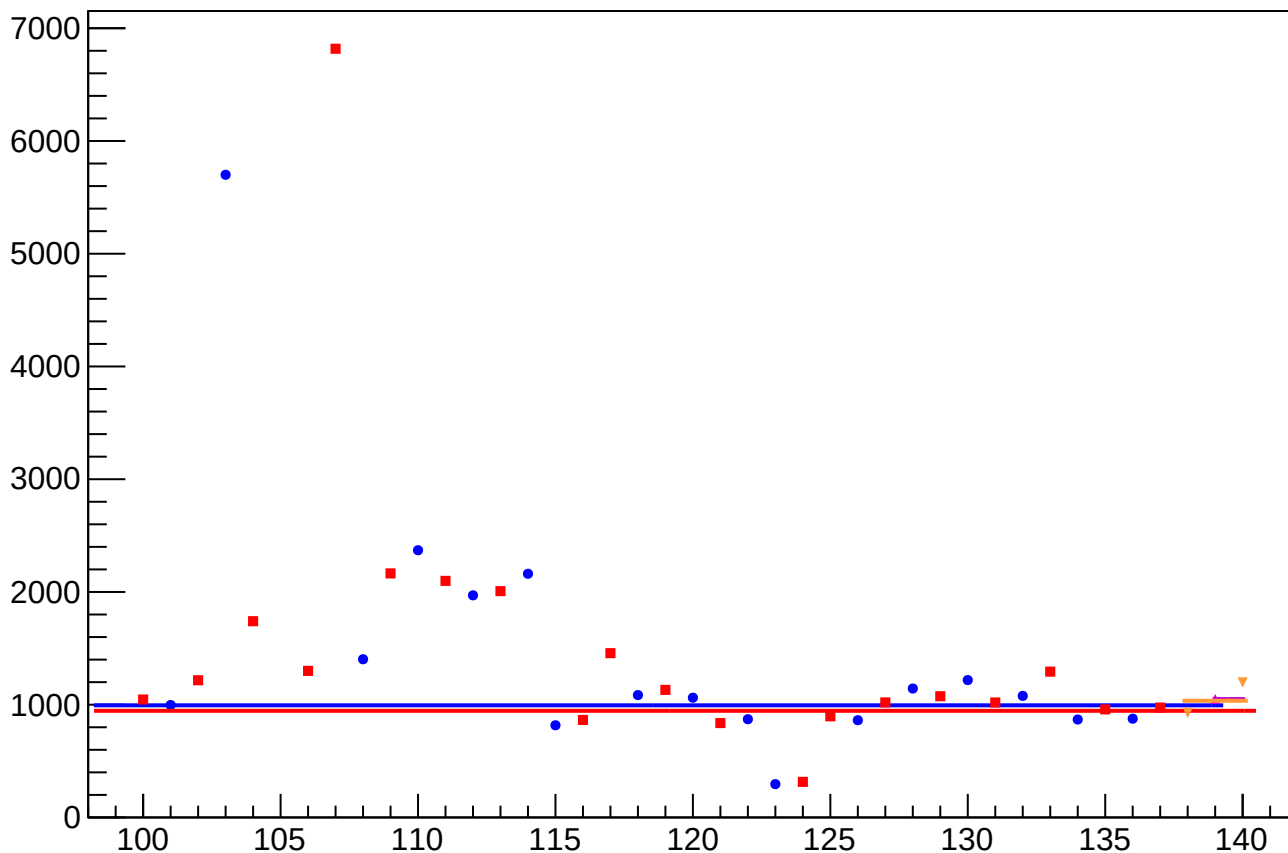
Left In: -1404.221 ± 1246.418 χ^2/NDF : 0.0/0

74.100 ± 376.518 χ^2/NDF : 16.2/18

-224.798 ± 270.205 χ^2/NDF : 35.6/39

-542.195 ± 387.994 χ^2/NDF : 18.1/20

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 994.541+/-0.297 χ^2/NDF : 1904549.2/16

Left Out: 1034.975+/-0.600 χ^2/NDF : 48164.5/1

Right Out: 946.032+/-0.289 χ^2/NDF : 2676710.2/19

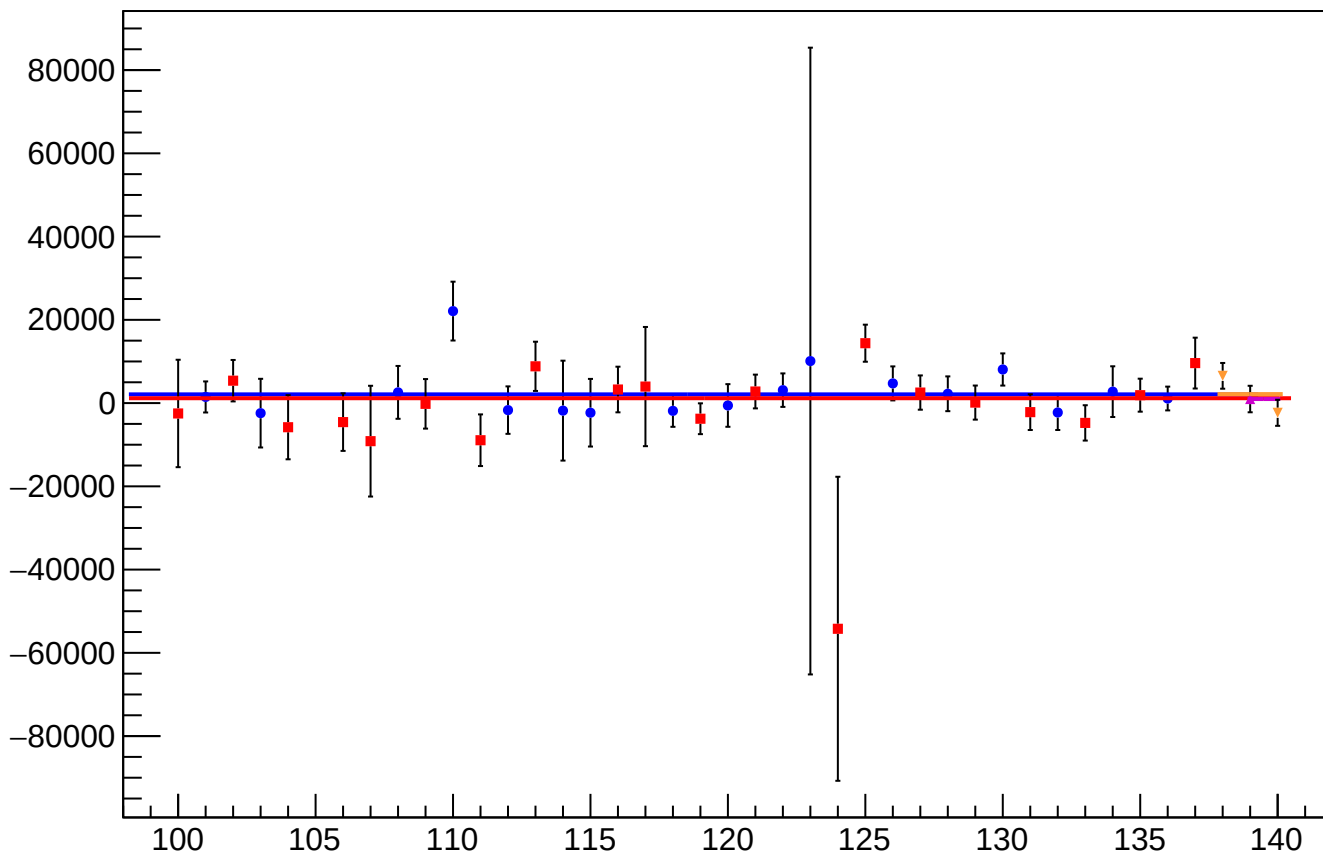
Left In: 1050.213+/-0.881 χ^2/NDF : 0.0/0

1002.492+/-0.266 χ^2/NDF : 1956357.3/18

980.005+/-0.191 χ^2/NDF : 4660394.8/39

956.127+/-0.274 χ^2/NDF : 2689329.1/20

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2163.093+/-2201.416 χ^2/NDF : 4.1/1

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

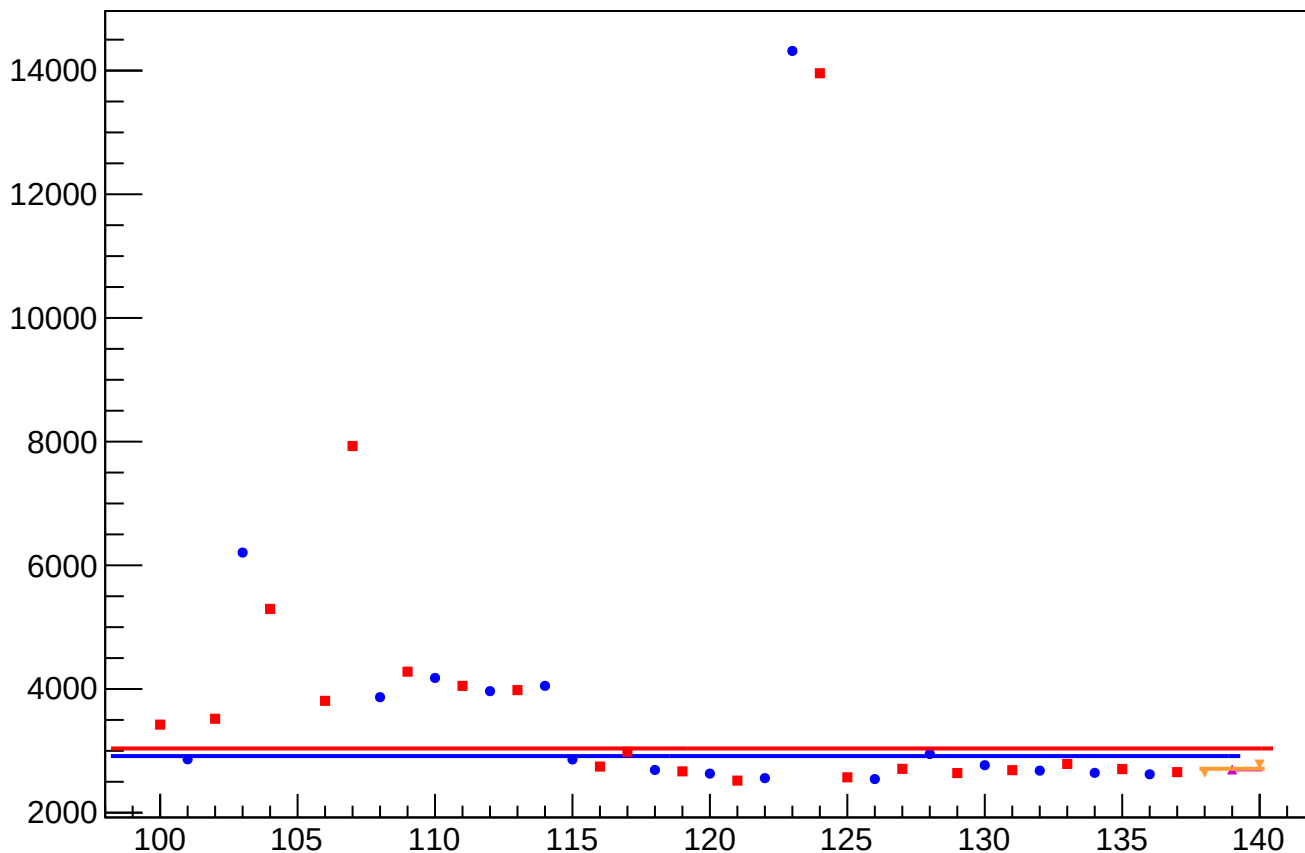
Left In: 973.896+/-3182.044 χ^2/NDF : 0.0/0

2109.063+/-1026.538 χ^2/NDF : 18.7/18

1663.467+/-753.279 χ^2/NDF : 44.3/39

1143.587+/-1108.808 χ^2/NDF : 25.2/20

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2709.947+/-1.557 χ^2/NDF : 1857.5/1

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

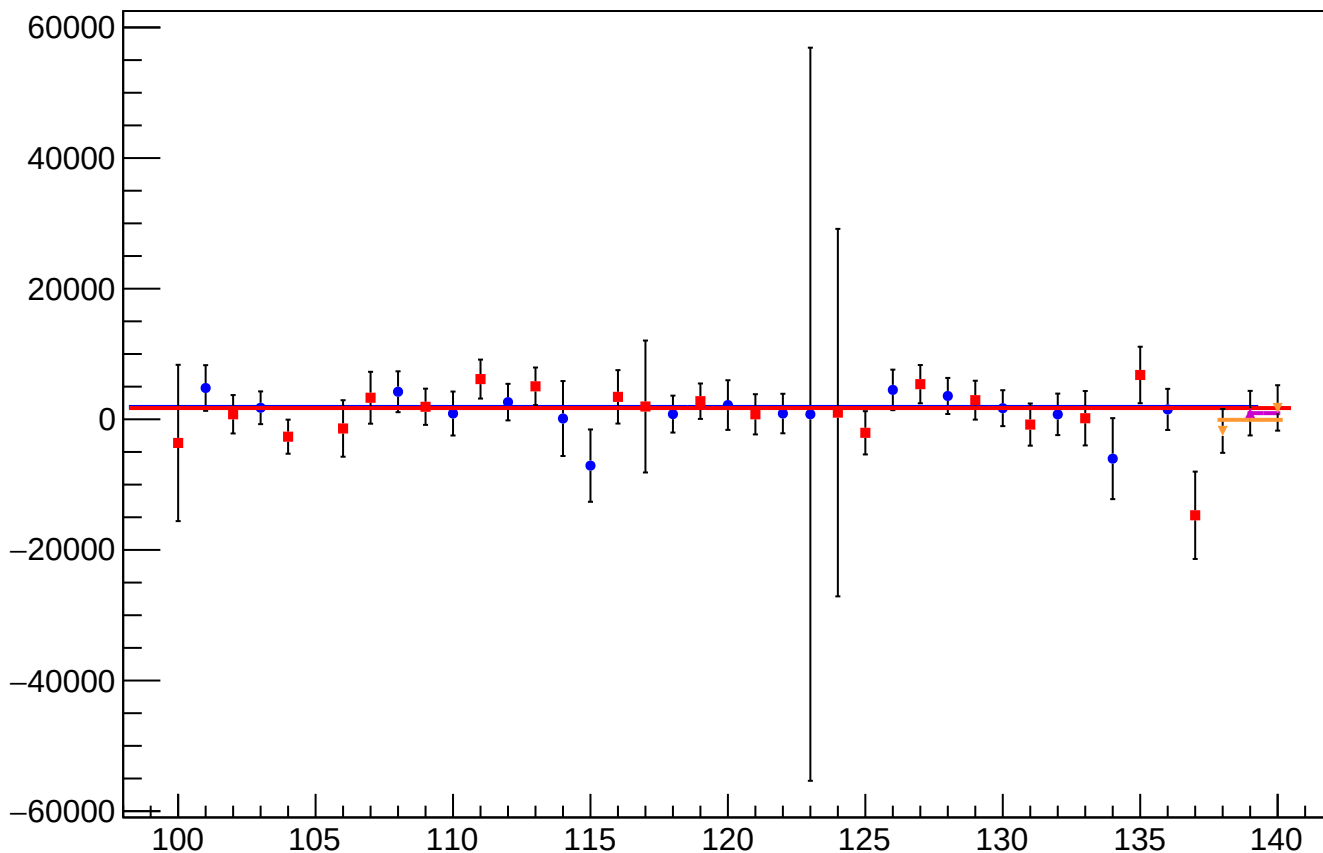
Left In: 2699.809+/-2.250 χ^2/NDF : 0.0/0

2870.570+/-0.726 χ^2/NDF : 654599.6/18

2929.201+/-0.533 χ^2/NDF : 1700086.2/39

2997.606+/-0.784 χ^2/NDF : 1031350.3/20

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -79.820 $\pm$ 2415.639 χ^2 /NDF:0.5/1

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

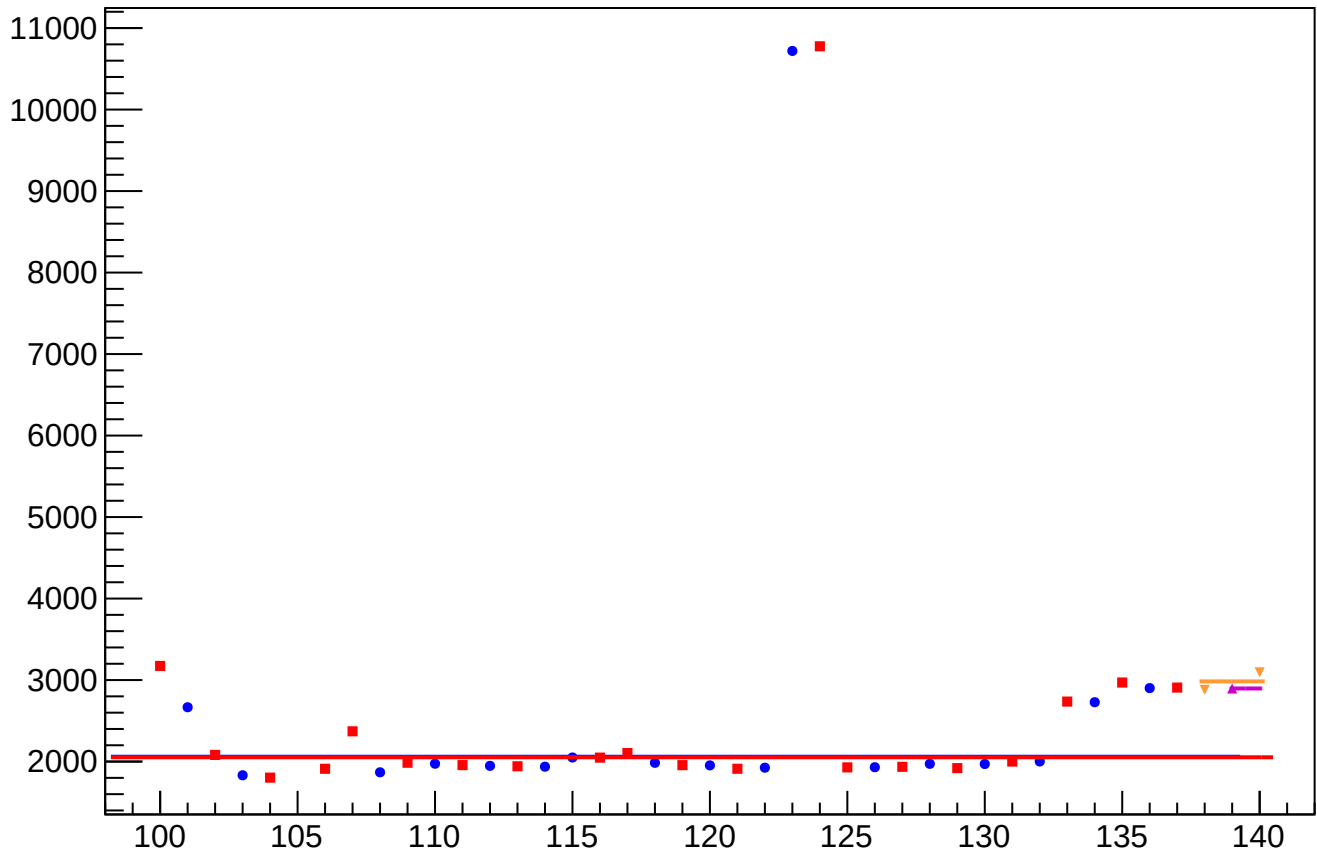
Left In: 942.006 $\pm$ 3412.024 χ^2 /NDF:0.0/0

1690.223 $\pm$ 769.195 χ^2 /NDF: 8.4/18

1685.699 $\pm$ 543.308 χ^2 /NDF: 27.4/39

1681.195 $\pm$ 767.516 χ^2 /NDF: 19.0/20

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2983.554+/-1.708 χ^2/NDF : 3951.3/1

Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

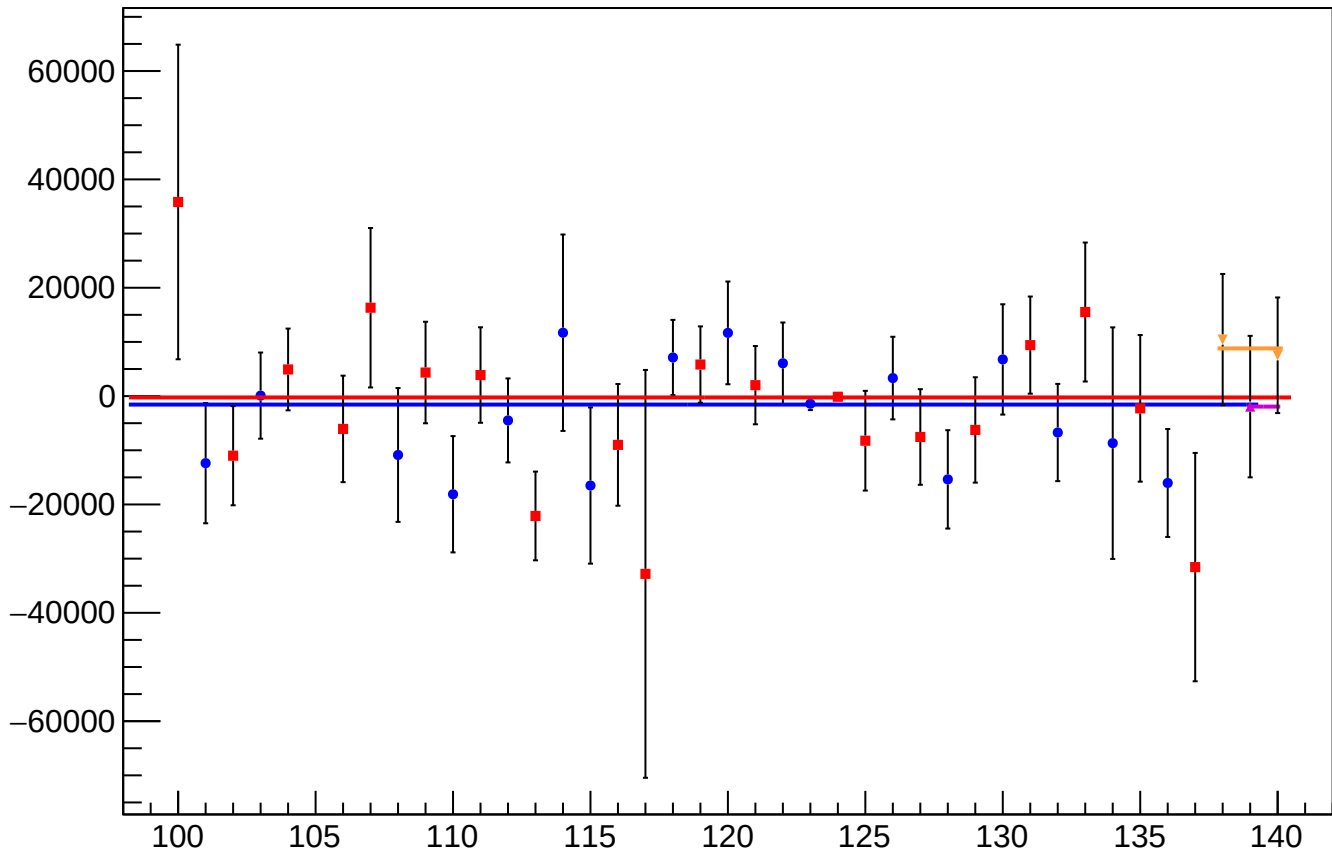
Left In: 2896.592+/-2.413 χ^2/NDF : 0.0/0

2152.710+/-0.544 χ^2/NDF : 585802.7/18

2123.934+/-0.384 χ^2/NDF : 1150950.0/39

2095.283+/-0.543 χ^2/NDF : 559561.1/20

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1563.218 $\pm$ 1053.946 χ^2 /NDF: 16.2/16

Left Out: 8802.816 $\pm$ 8005.467 χ^2 /NDF: 0.0/1

Right Out: -247.306 $\pm$ 695.049 χ^2 /NDF: 21.6/19

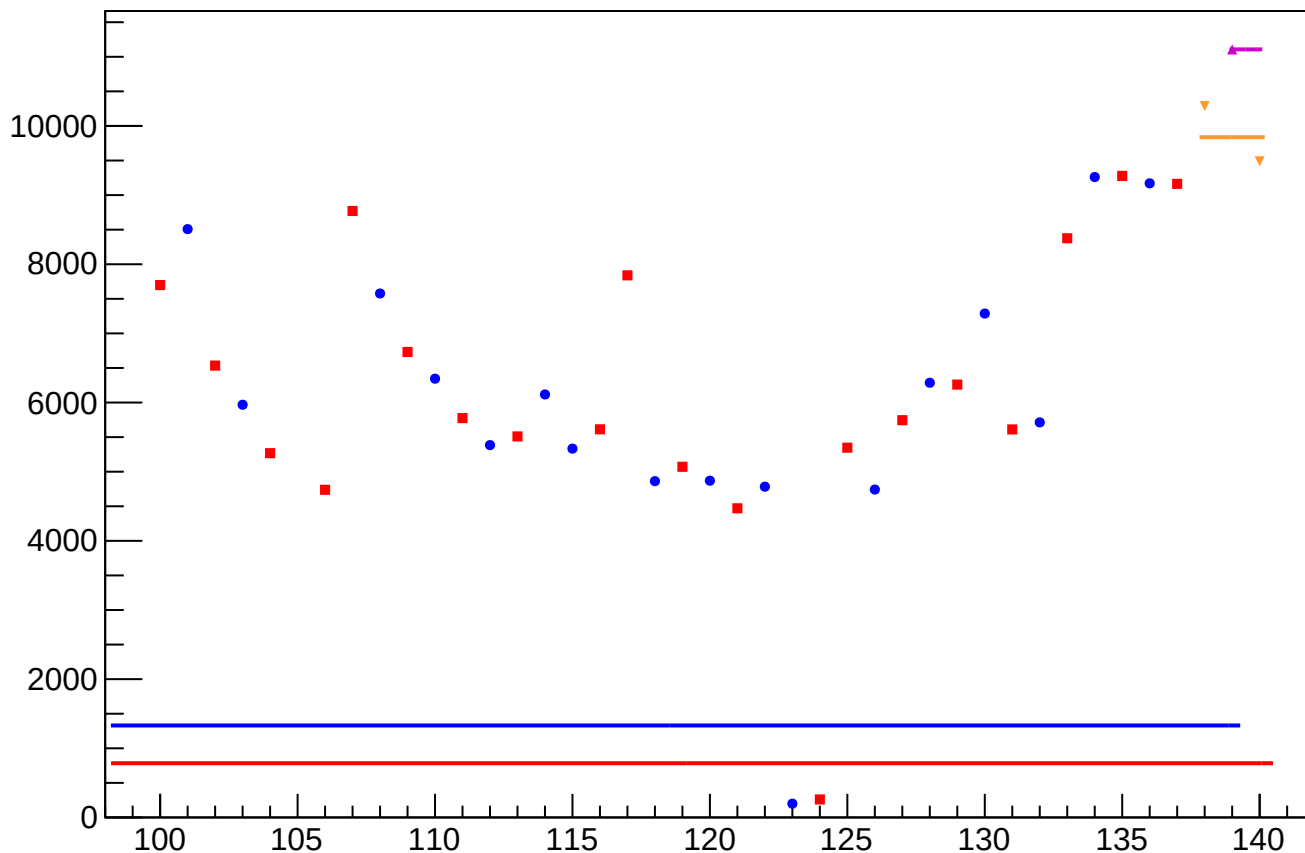
Left In: -1936.851 $\pm$ 13056.859 χ^2 /NDF: 0.0/0

-1386.609 $\pm$ 1044.929 χ^2 /NDF: 17.9/18

-599.394 $\pm$ 578.149 χ^2 /NDF: 40.3/39

-252.080 $\pm$ 694.066 χ^2 /NDF: 21.6/20

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 9837.122+/-5.661 χ^2/NDF : 4890.1/1

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

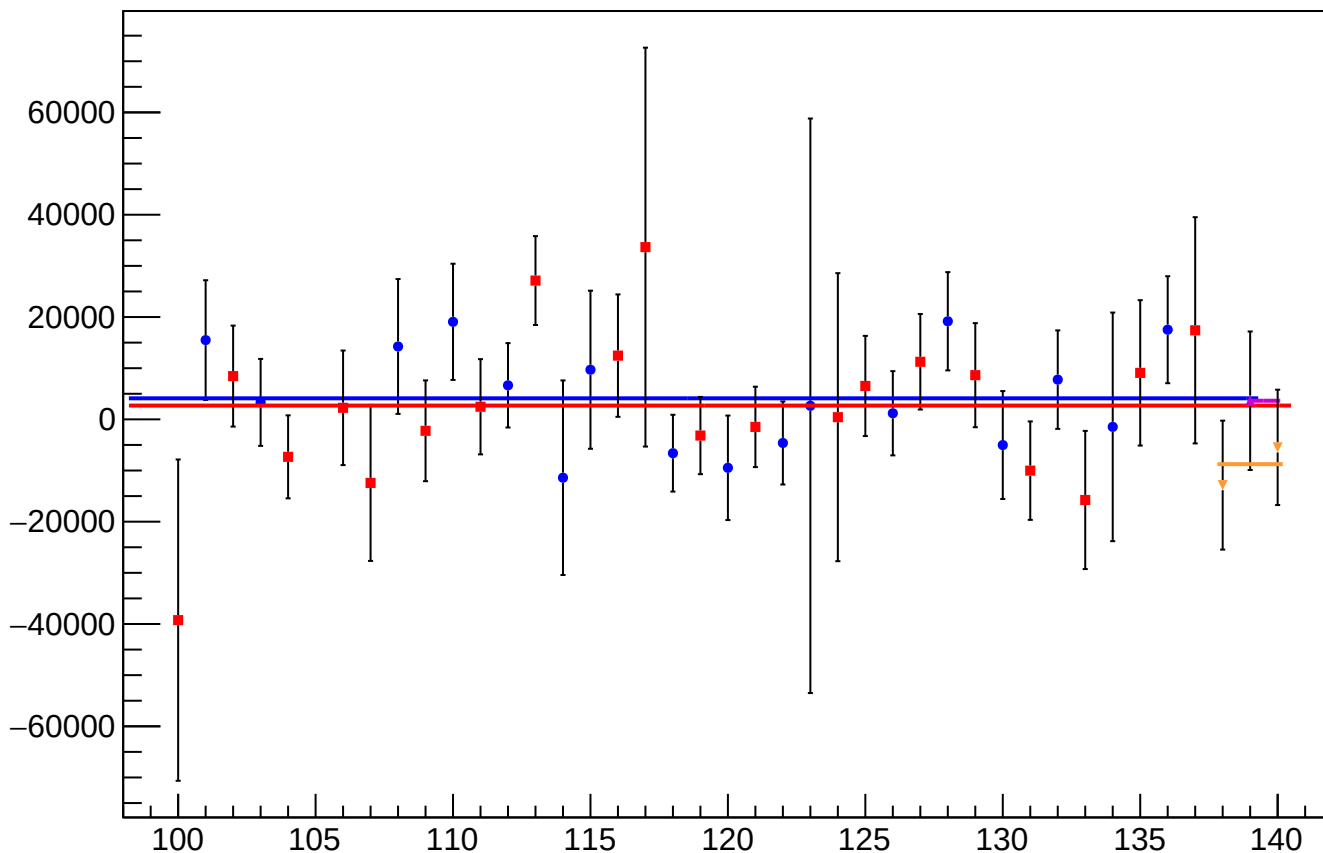
Left In: 11106.846+/-9.233 χ^2/NDF : 0.0/0

1475.184+/-0.739 χ^2/NDF : 12271619.4/18

1016.008+/-0.409 χ^2/NDF : 25584923.7/3

813.423+/-0.491 χ^2/NDF : 12756712.2/20

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -8756.731+/-8402.540 χ^2/NDF : 0.2/1

Right Out: 2697.106+/-2415.828 χ^2/NDF : 20.6/19

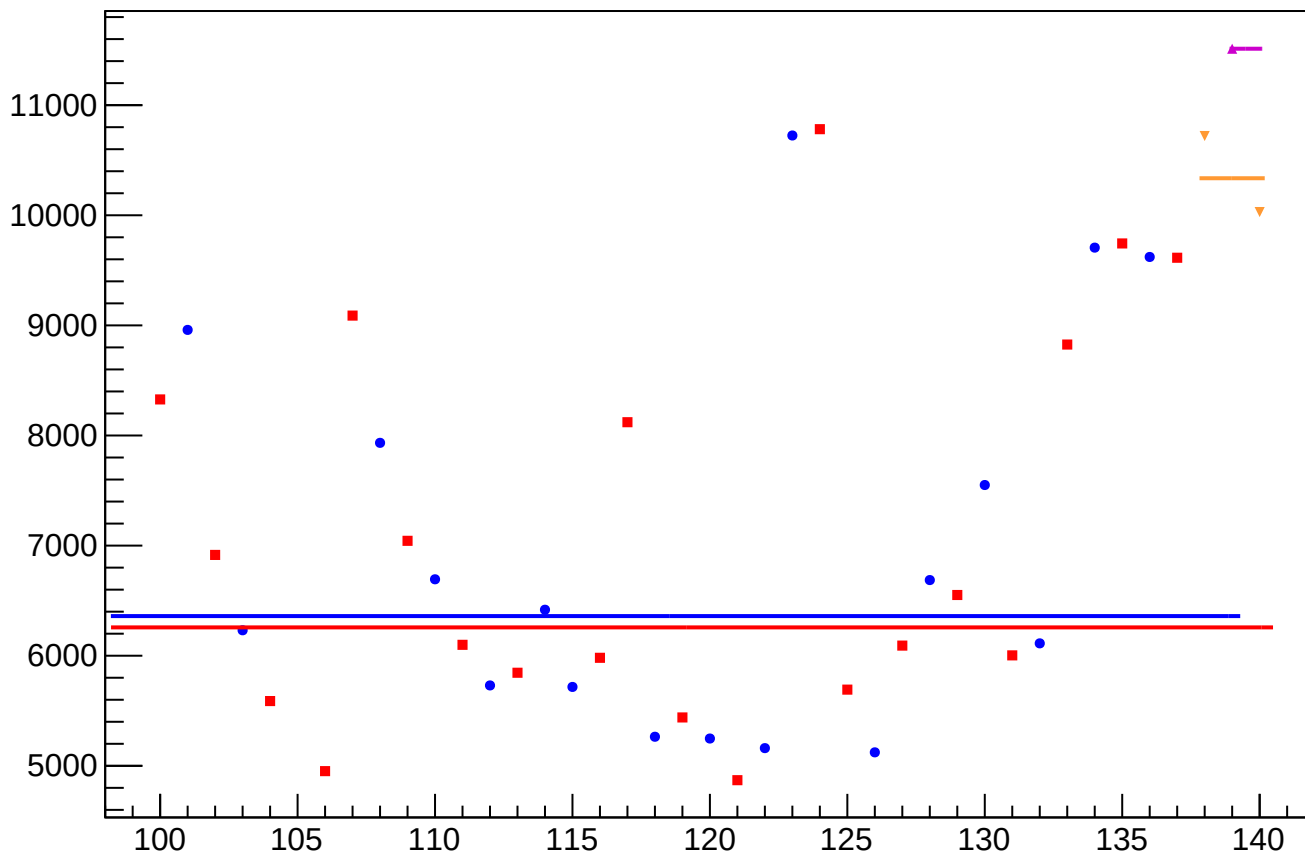
Left In: 3638.864+/-13536.499 χ^2/NDF : 0.0/0

3038.645+/-2426.467 χ^2/NDF : 16.7/18

2879.275+/-1698.468 χ^2/NDF : 37.3/39

2726.176+/-2378.251 χ^2/NDF : 20.6/20

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 10336.293+/-5.941 χ^2/NDF : 3335.4/1

Right Out: 6257.232+/-1.708 χ^2/NDF : 537553.3/19

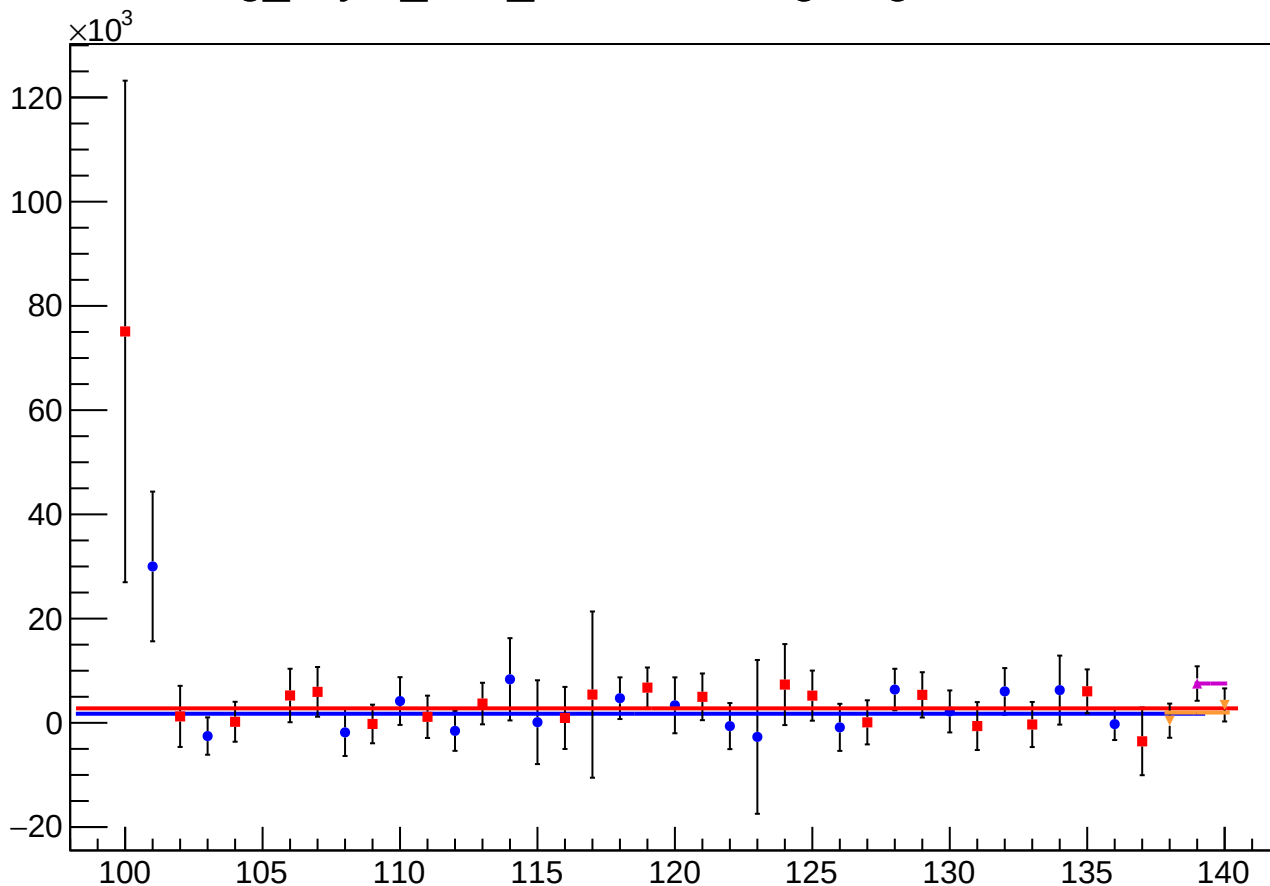
Left In: 11512.542+/-9.572 χ^2/NDF : 0.0/0

6691.525+/-1.716 χ^2/NDF : 994355.4/18

6552.745+/-1.201 χ^2/NDF : 1836880.5/39

6419.436+/-1.682 χ^2/NDF : 829698.2/20

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 1974.011 $\pm$ 2280.030 χ^2 /NDF: 0.4/1

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

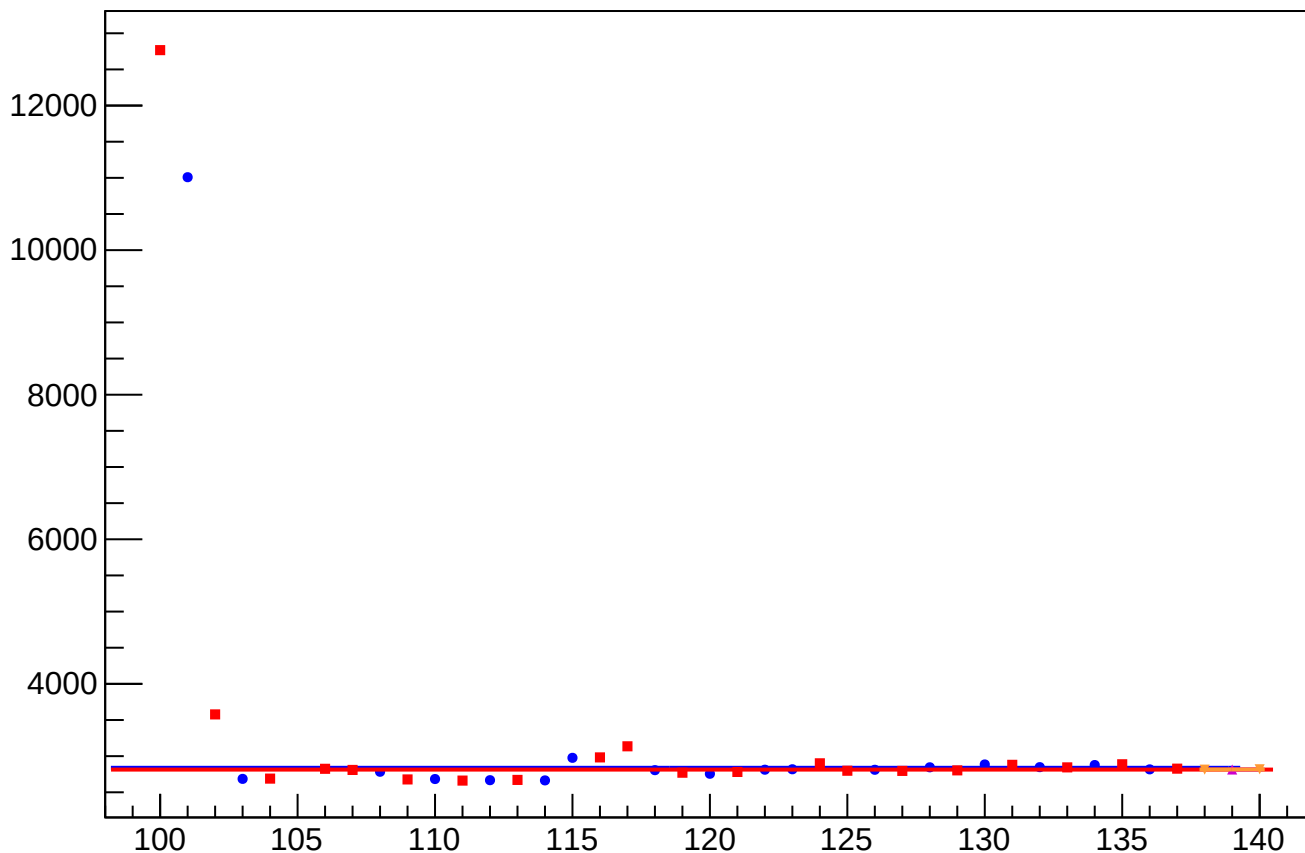
Left In: 7543.250 $\pm$ 3304.179 χ^2 /NDF: 0.0/0

1790.868 $\pm$ 1011.412 χ^2 /NDF: 12.7/18

2505.051 $\pm$ 717.338 χ^2 /NDF: 25.3/39

3227.934 $\pm$ 1017.554 χ^2 /NDF: 11.6/20

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2815.791+/-1.612 χ^2/NDF : 2.5/1

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

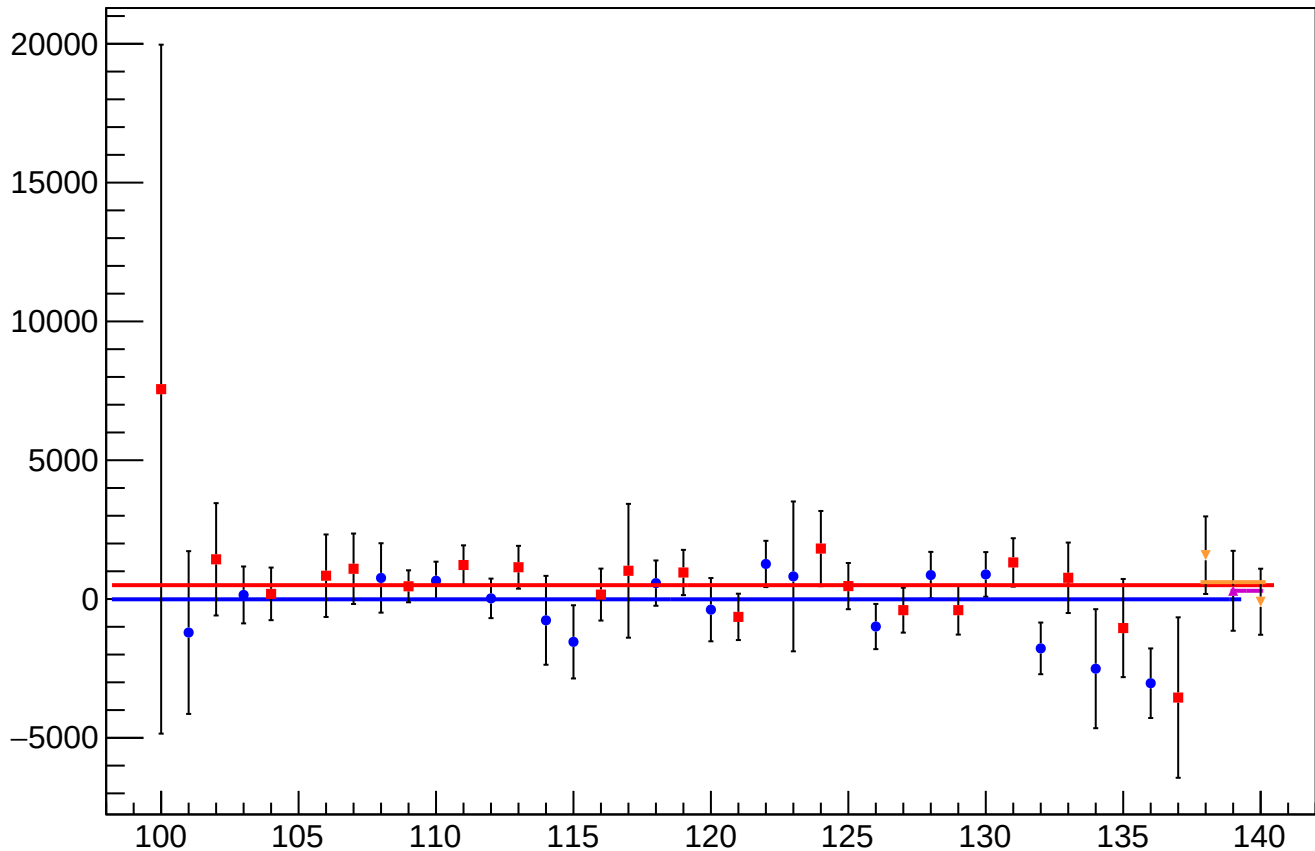
Left In: 2815.410+/-2.336 χ^2/NDF : 0.0/0

2834.222+/-0.715 χ^2/NDF : 660374.5/18

2824.276+/-0.507 χ^2/NDF : 794647.8/39

2814.208+/-0.720 χ^2/NDF : 133884.0/20

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -9.845 ± 241.678 $\chi^2/\text{NDF}: 20.7/16$

Left Out: 607.510 ± 905.948 $\chi^2/\text{NDF}: 0.8/1$

Right Out: 499.625 ± 220.558 $\chi^2/\text{NDF}: 11.9/19$

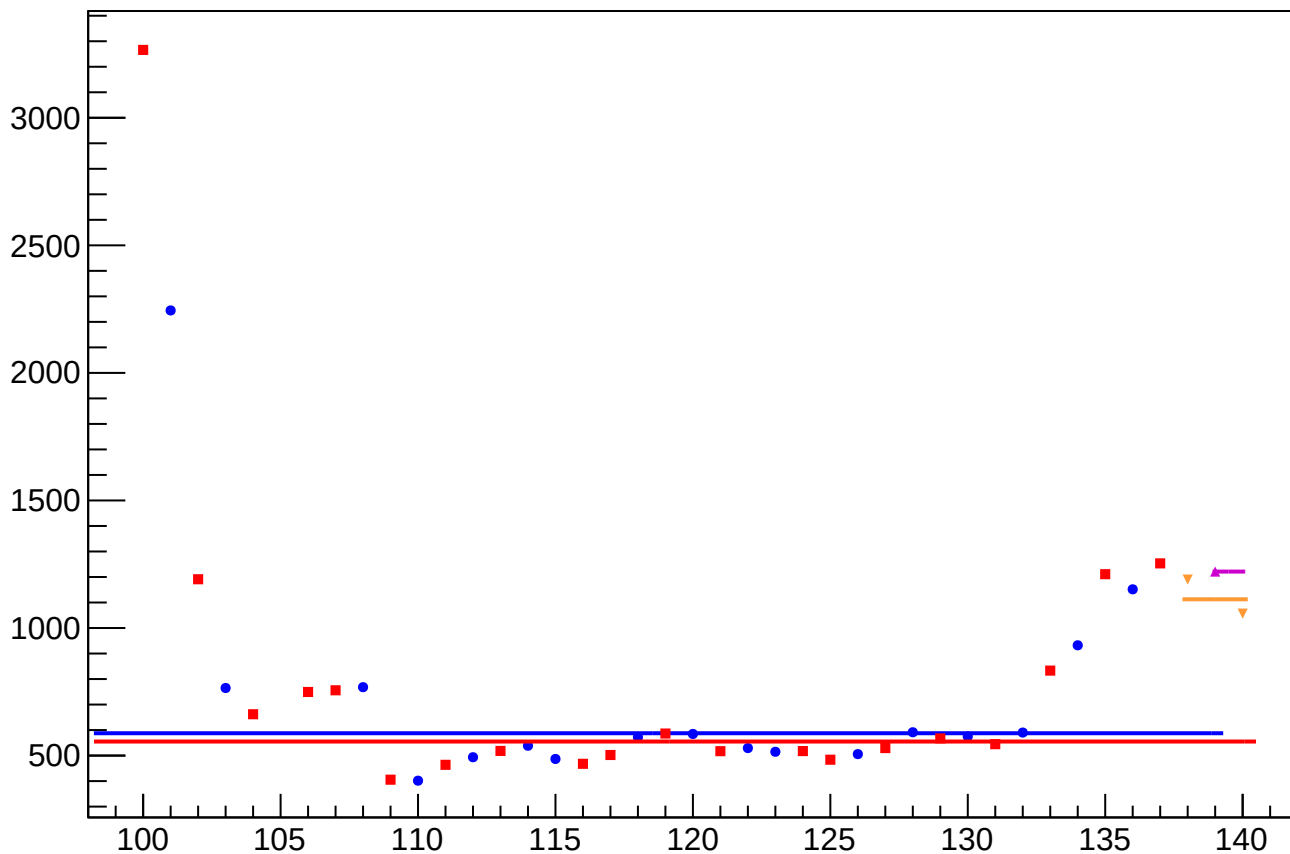
Left In: 297.113 ± 1439.808 $\chi^2/\text{NDF}: 0.0/0$

31.170 ± 233.512 $\chi^2/\text{NDF}: 22.0/18$

278.976 ± 159.357 $\chi^2/\text{NDF}: 36.0/39$

494.982 ± 218.015 $\chi^2/\text{NDF}: 11.9/20$

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 1112.551+/-0.641 χ^2/NDF : 10601.2/1

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

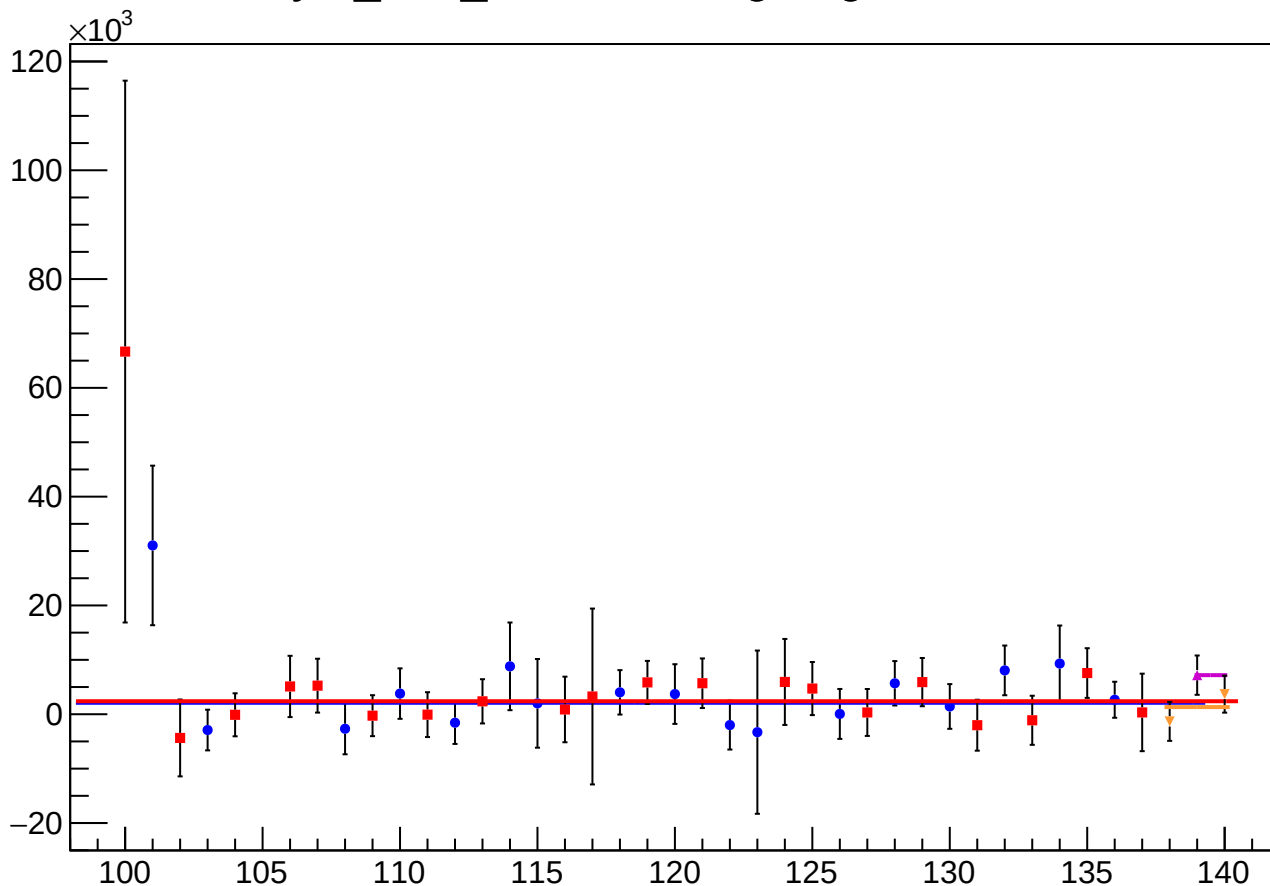
Left In: 1221.225+/-1.018 χ^2/NDF : 0.0/0

622.473+/-0.165 χ^2/NDF : 2063289.9/18

594.630+/-0.113 χ^2/NDF : 3642524.5/39

570.361+/-0.154 χ^2/NDF : 1526016.8/20

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 1316.335+/-2465.160 χ^2/NDF : 1.0/1

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

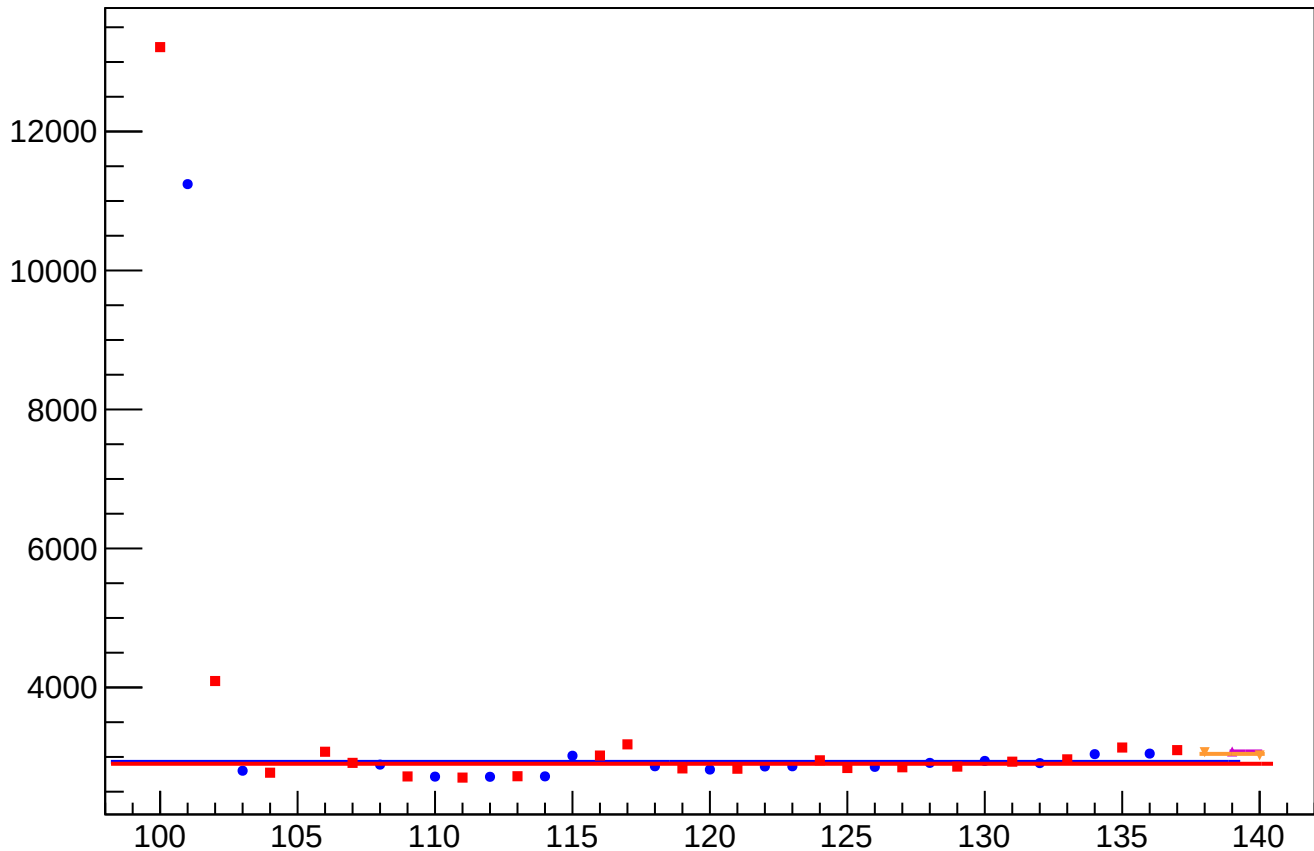
Left In: 7184.351+/-3614.230 χ^2/NDF : 0.0/0

1964.012+/-1052.811 χ^2/NDF : 14.6/18

2380.334+/-746.636 χ^2/NDF : 26.4/39

2801.583+/-1059.022 χ^2/NDF : 11.5/20

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 3044.195+/-1.743 χ^2/NDF : 173.8/1

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

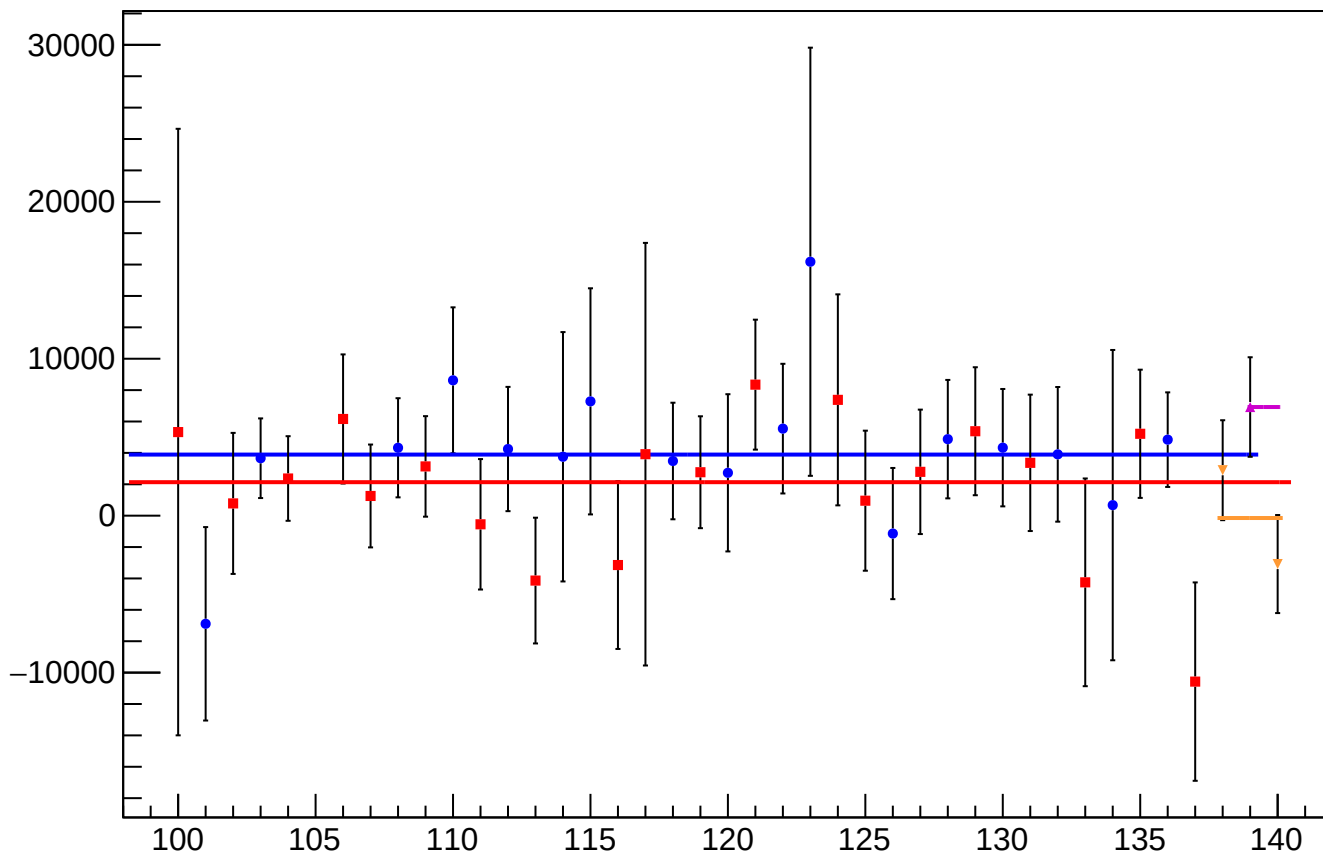
Left In: 3078.887+/-2.556 χ^2/NDF : 0.0/0

2949.766+/-0.744 χ^2/NDF : 666126.0/18

2933.477+/-0.528 χ^2/NDF : 841799.7/39

2916.995+/-0.749 χ^2/NDF : 174710.5/20

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -149.663+/-2229.822 χ^2/NDF : 1.8/1

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

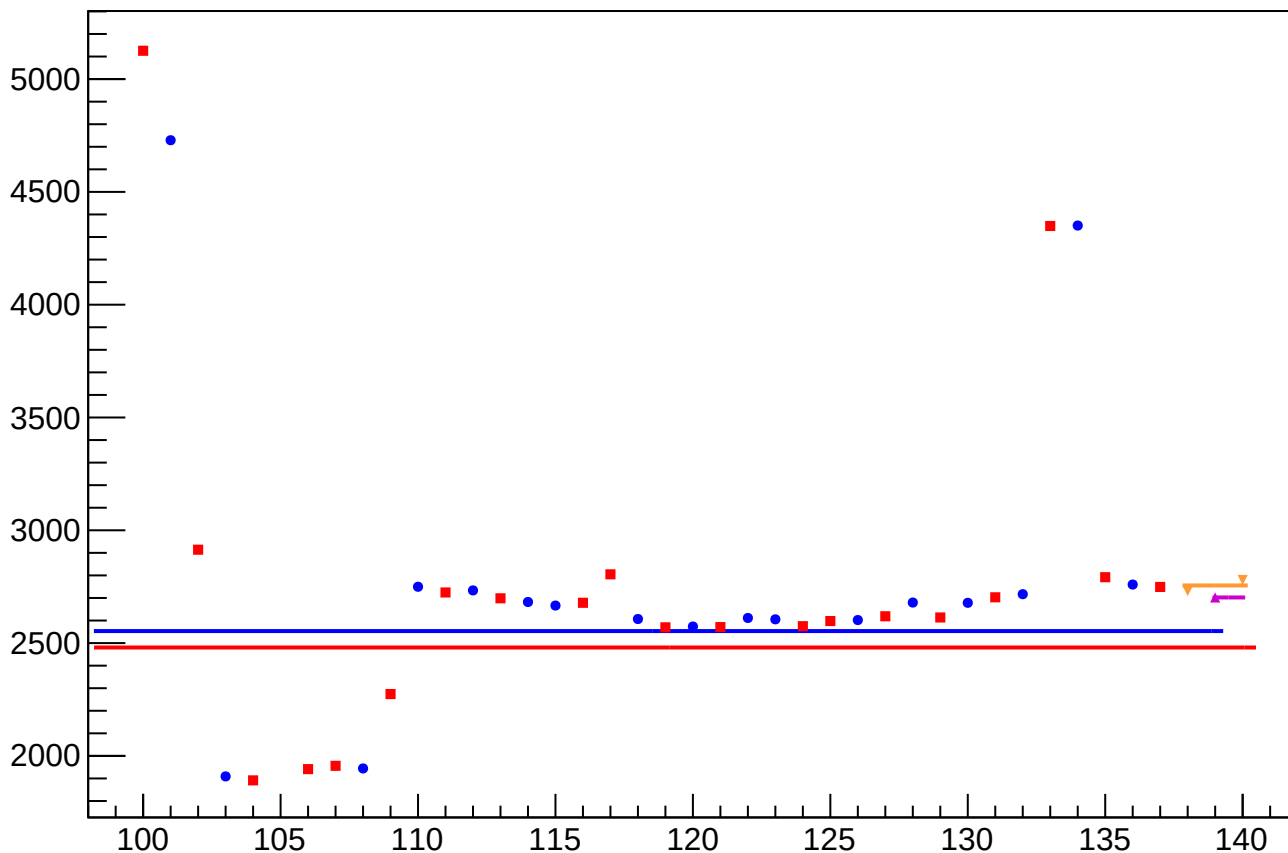
Left In: 6922.625+/-3171.663 χ^2/NDF : 0.0/0

3202.431+/-921.320 χ^2/NDF : 11.7/18

2865.321+/-649.341 χ^2/NDF : 28.4/39

2532.586+/-915.323 χ^2/NDF : 16.4/20

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2755.484+/-1.577 χ^2/NDF :242.0/1

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

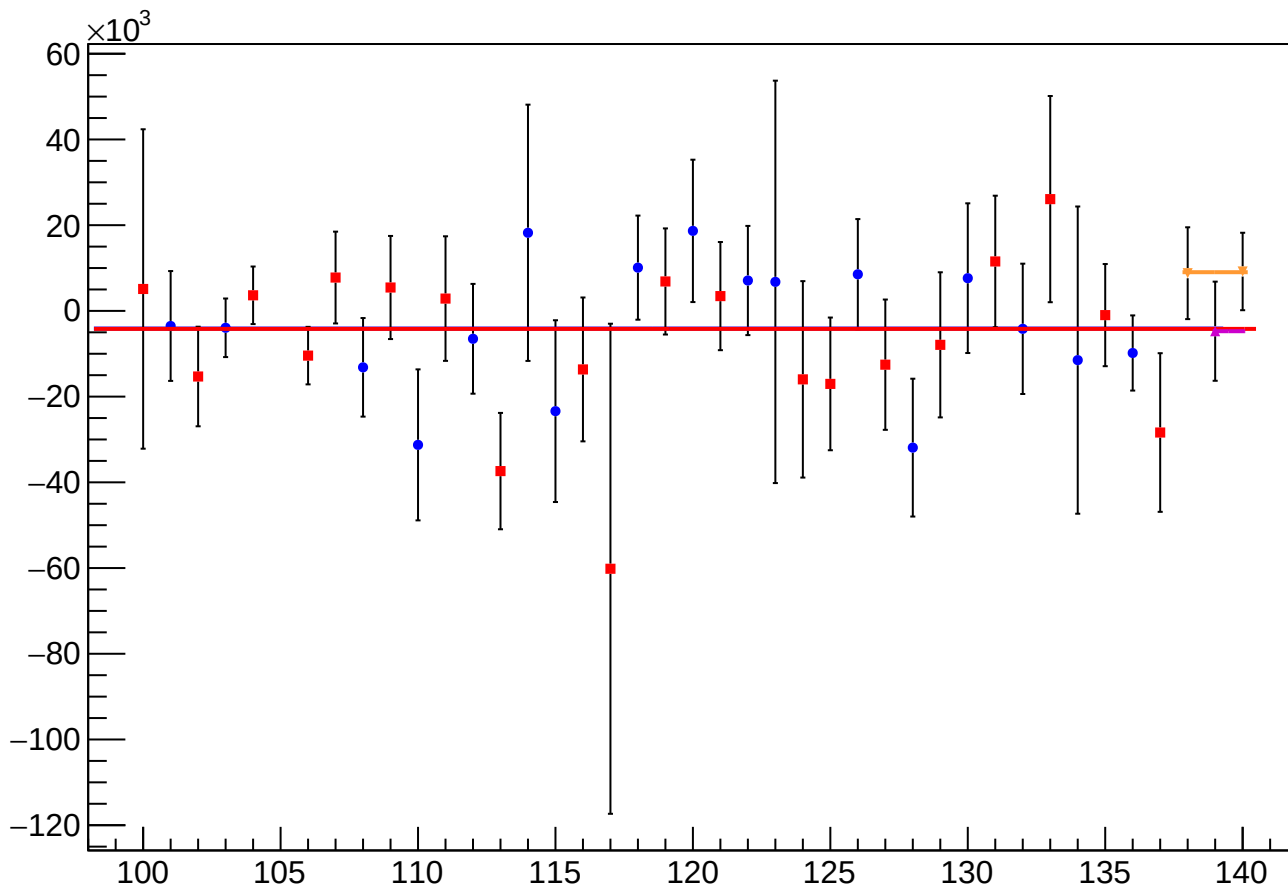
Left In: 2702.240+/-2.243 χ^2/NDF :0.0/0

2587.800+/-0.651 χ^2/NDF : 559107.5/18

2543.096+/-0.459 χ^2/NDF : 1028094.3/39

2498.971+/-0.647 χ^2/NDF : 459630.3/20

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 9029.107+/-6906.761 χ^2 /NDF:0.0/1

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

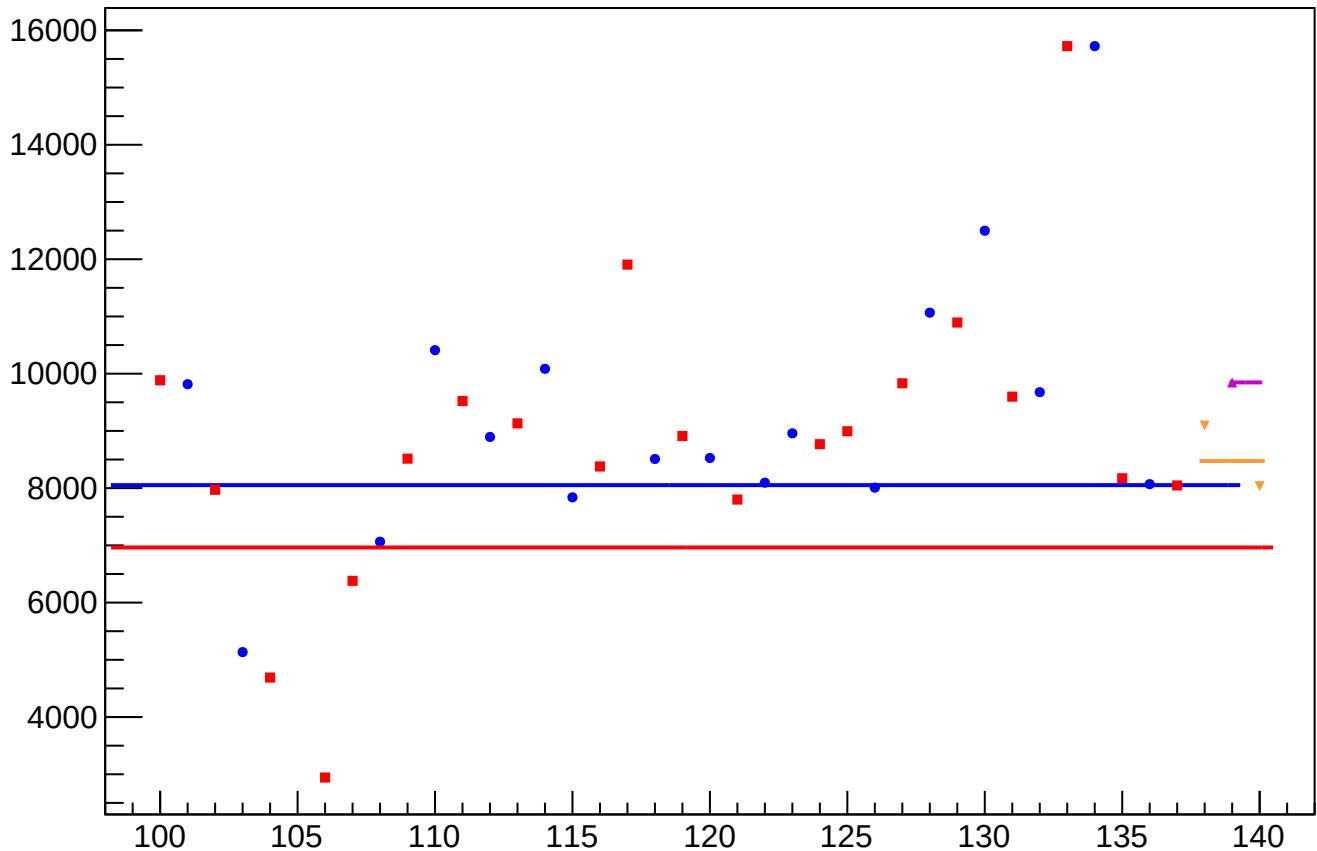
Left In: -4739.595+/-11566.141 χ^2 /NDF:0.0/0

-1769.044+/-2923.661 χ^2 /NDF: 16.3/18

-3074.114+/-2003.004 χ^2 /NDF: 36.2/39

-4228.488+/-2749.689 χ^2 /NDF: 19.5/20

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8473.727+/-4.884 χ^2/NDF : 11413.8/1

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

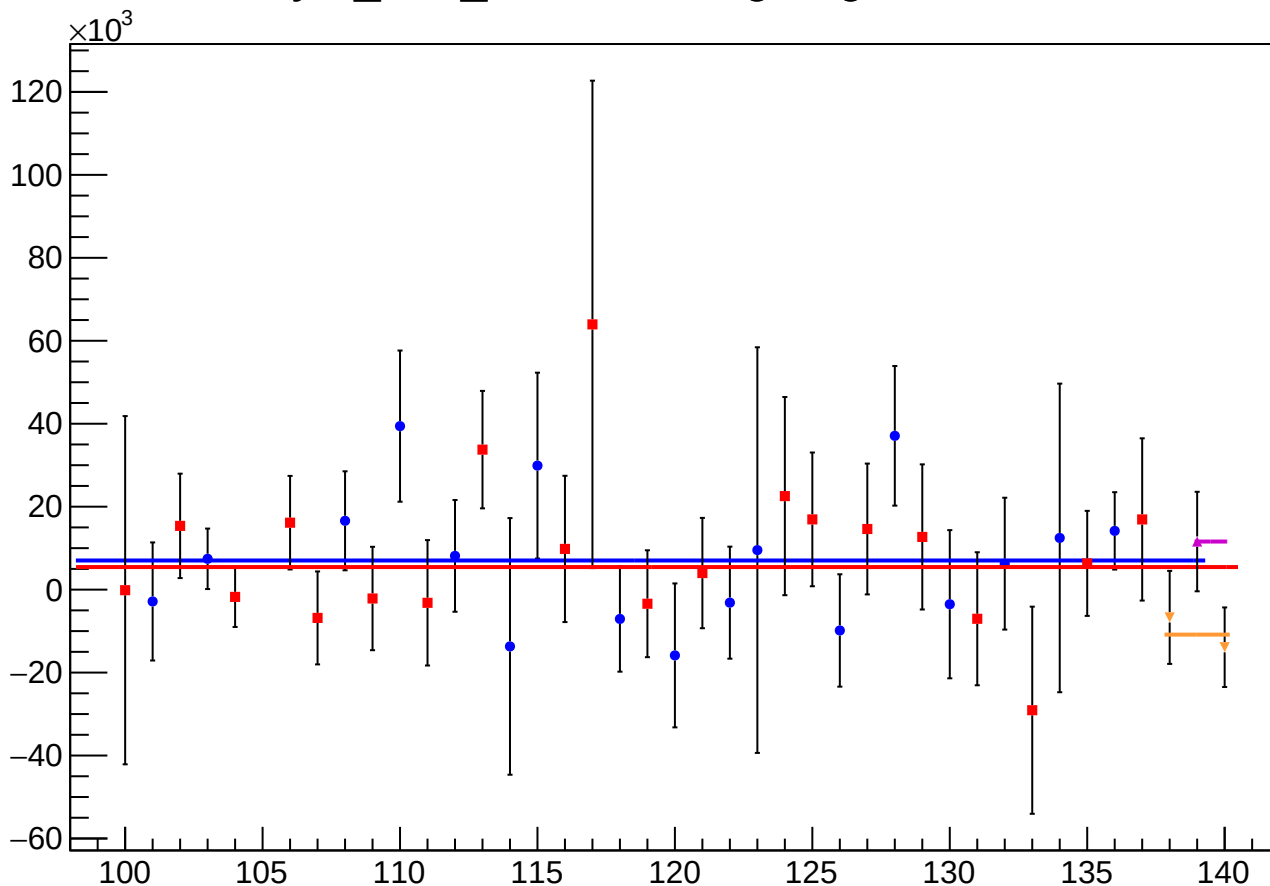
Left In: 9847.430+/-8.178 χ^2/NDF : 0.0/0

8128.021+/-2.067 χ^2/NDF : 808242.5/18

7596.370+/-1.416 χ^2/NDF : 2841787.9/39

7126.109+/-1.944 χ^2/NDF : 1908912.9/20

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -10846.177 $\pm$ 7289.992 χ^2 /NDF: 0.2/1

Right Out: 5441.890 $\pm$ 3163.600 χ^2 /NDF: 14.3/19

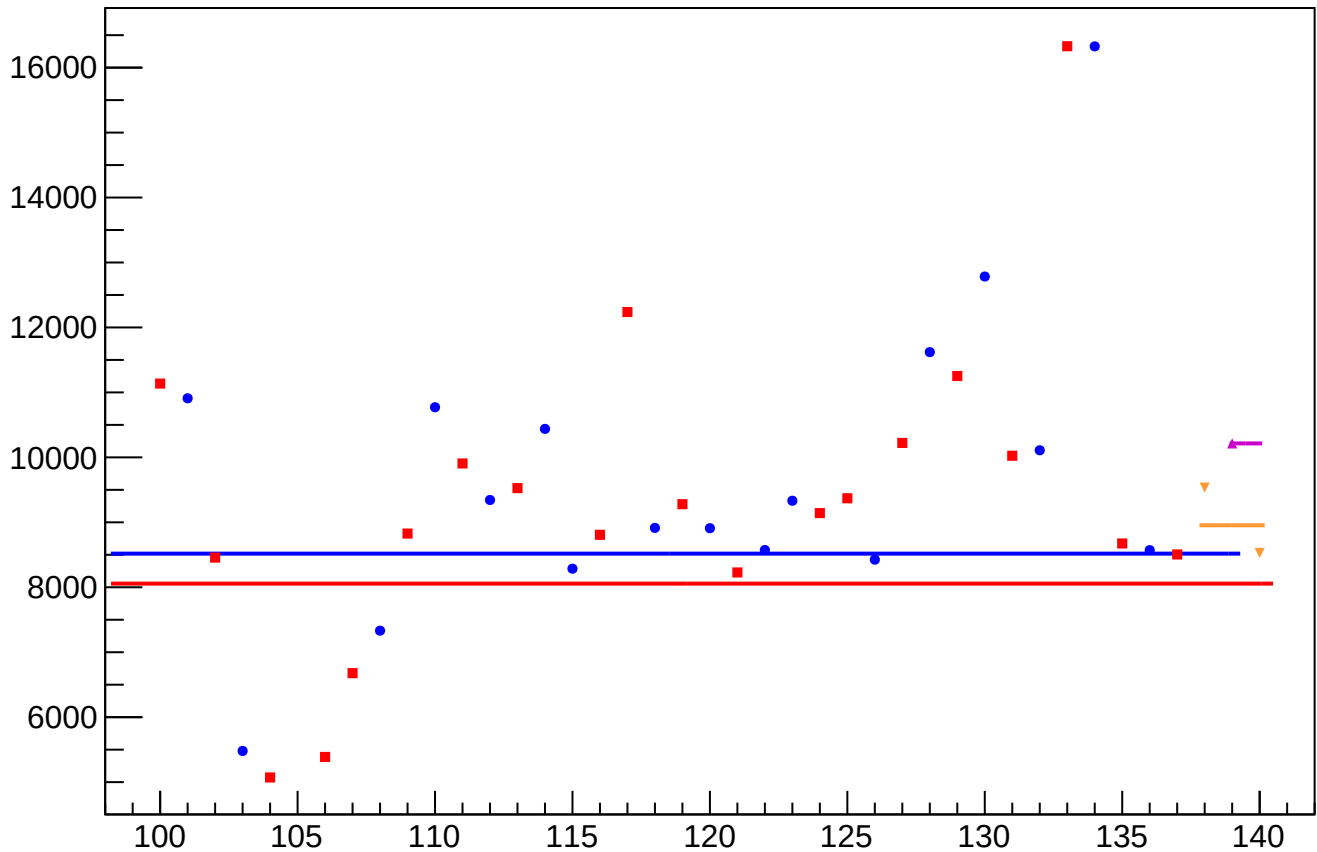
Left In: 11594.026 $\pm$ 11995.943 χ^2 /NDF: 0.0/0

3817.823 $\pm$ 3088.404 χ^2 /NDF: 20.2/18

4839.561 $\pm$ 2173.365 χ^2 /NDF: 35.0/39

5841.945 $\pm$ 3059.012 χ^2 /NDF: 14.6/20

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 8954.171 $\pm$ 5.155 χ^2/NDF : 9303.3/1

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

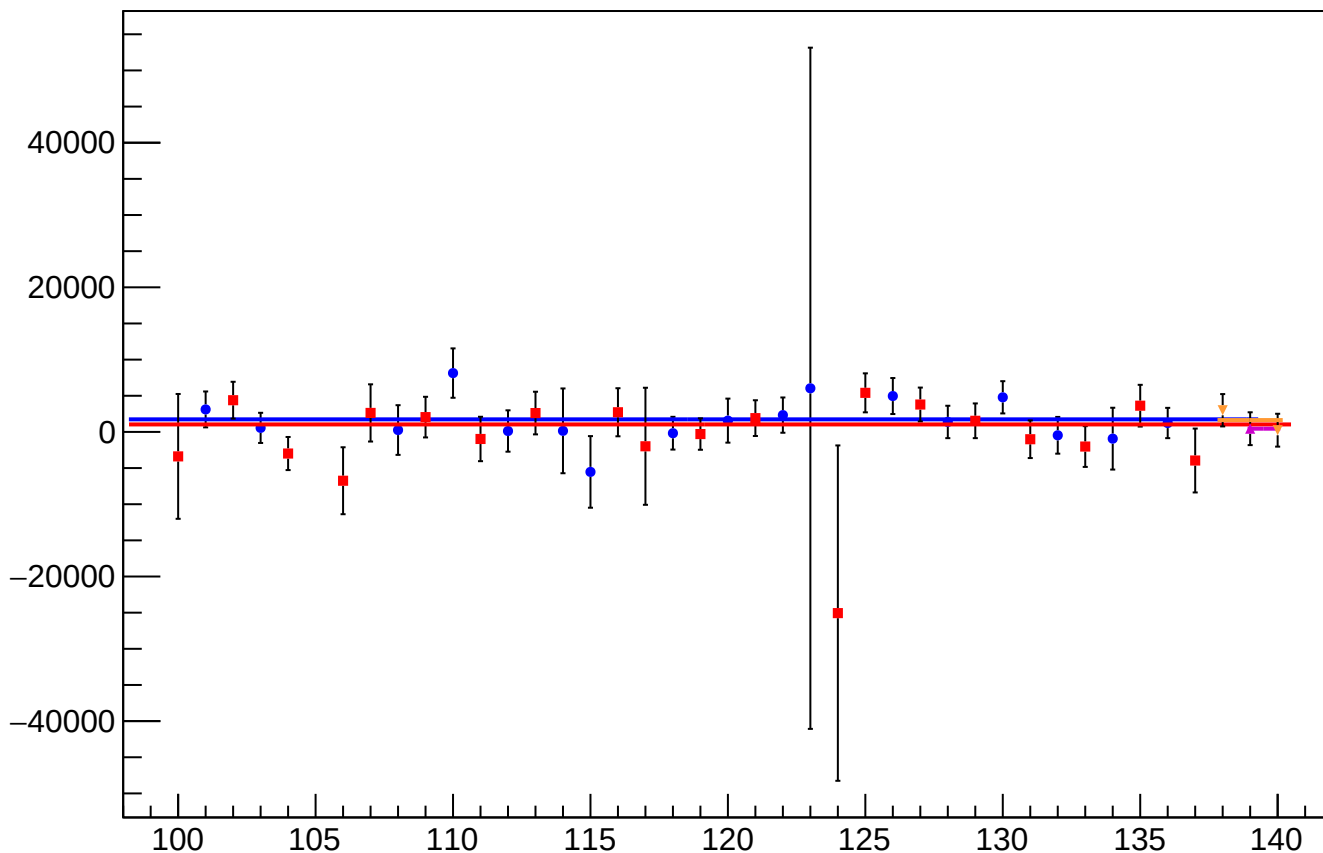
Left In: 10214.434 $\pm$ 8.482 χ^2/NDF : 0.0/0

8596.190 $\pm$ 2.184 χ^2/NDF : 778462.4/18

8394.423 $\pm$ 1.537 χ^2/NDF : 1818186.3/39

8196.490 $\pm$ 2.163 χ^2/NDF : 1022813.7/20

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1739.640 $\pm$ 670.395 χ^2 /NDF: 12.4/16

Left Out: 1639.643 $\pm$ 1594.315 χ^2 /NDF: 0.7/1

Right Out: 1034.828 $\pm$ 668.692 χ^2 /NDF: 19.0/19

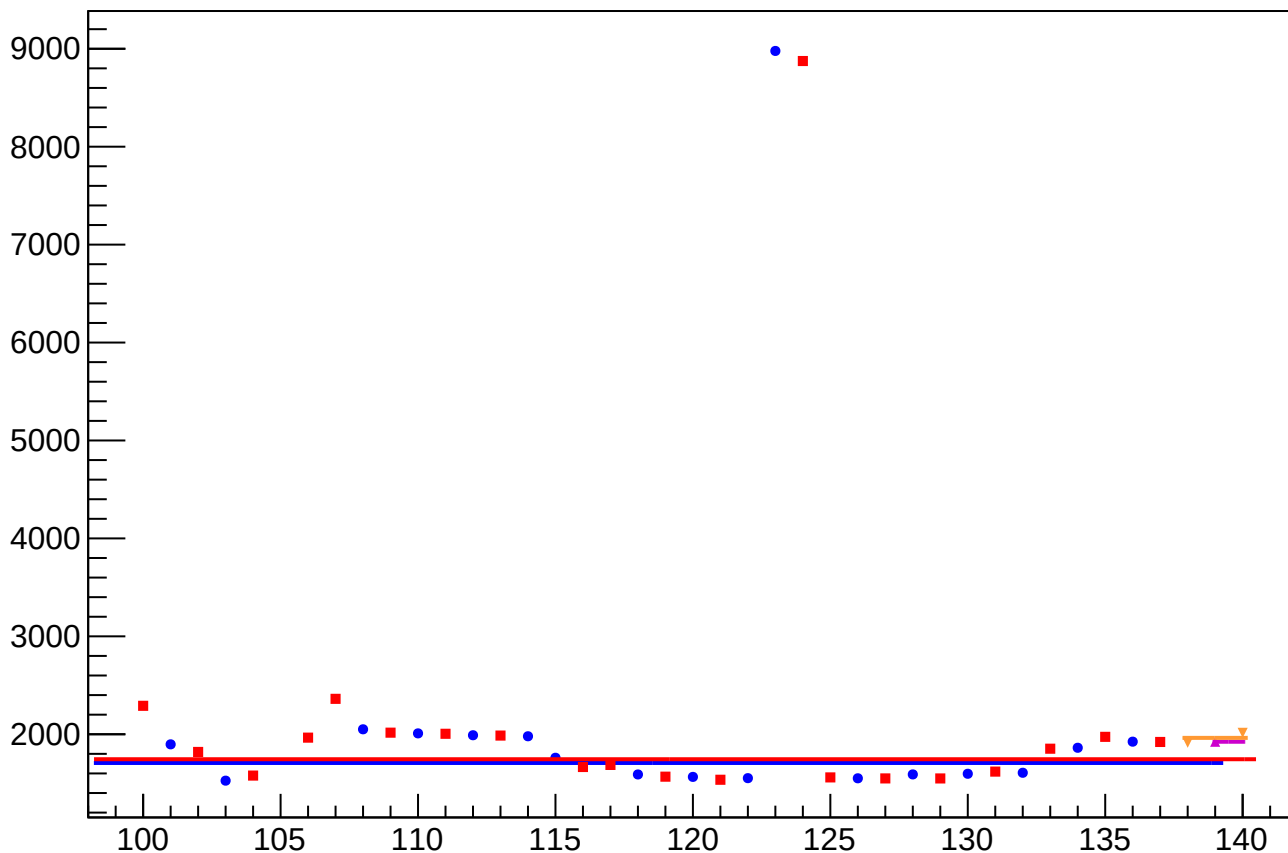
Left In: 445.200 $\pm$ 2270.161 χ^2 /NDF: 0.0/0

1724.616 $\pm$ 617.984 χ^2 /NDF: 13.2/18

1369.906 $\pm$ 445.043 χ^2 /NDF: 32.9/39

987.754 $\pm$ 641.443 χ^2 /NDF: 19.1/20

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1963.074+/-1.127 χ^2/NDF : 2022.9/1

Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

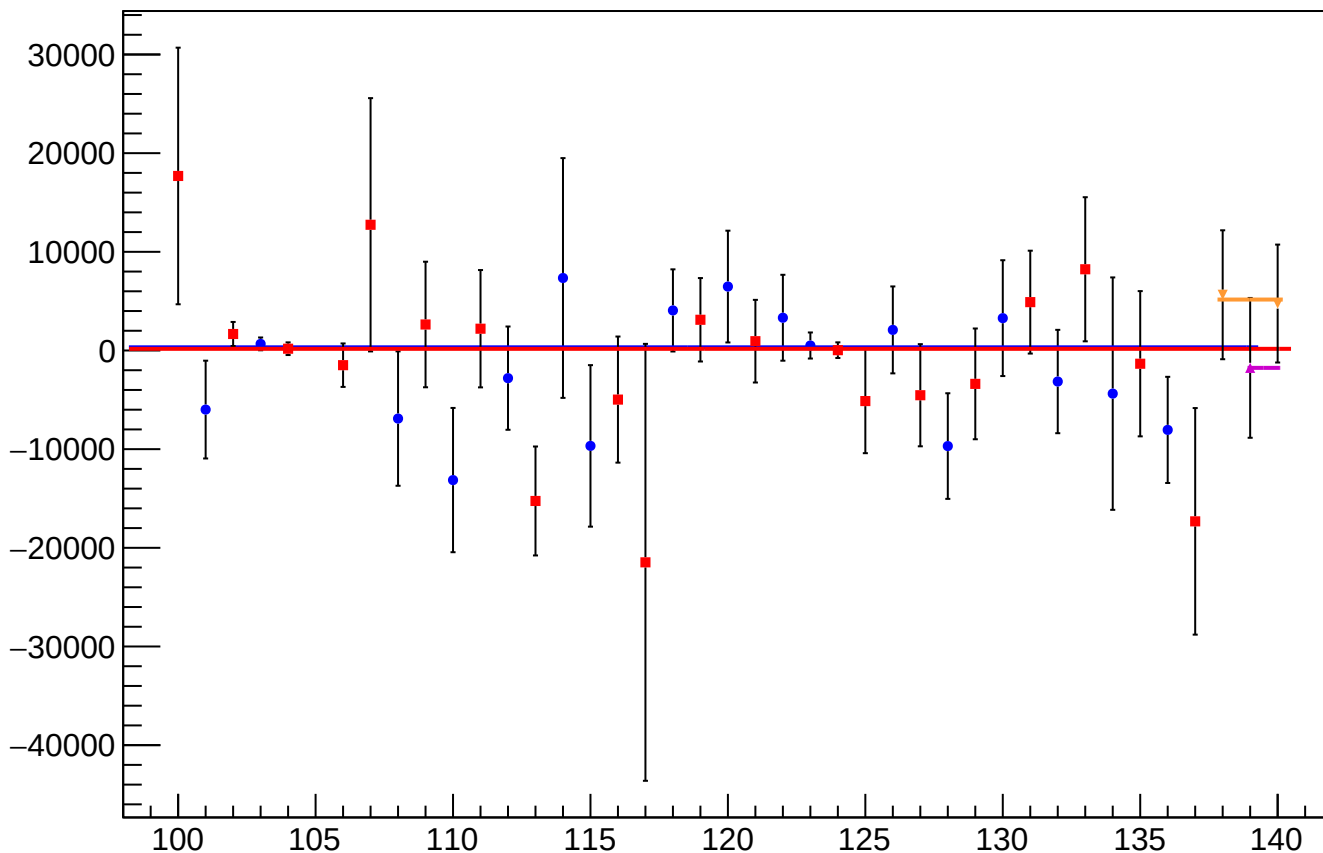
Left In: 1923.586+/-1.605 χ^2/NDF : 0.0/0

1745.361+/-0.437 χ^2/NDF : 243467.2/18

1752.040+/-0.314 χ^2/NDF : 655258.6/39

1759.176+/-0.452 χ^2/NDF : 411308.2/20

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 320.899+/-540.384 χ^2/NDF : 18.0/16

Left Out: 5163.274+/-4409.560 χ^2/NDF : 0.0/1

Right Out: 168.343+/-433.469 χ^2/NDF : 21.7/19

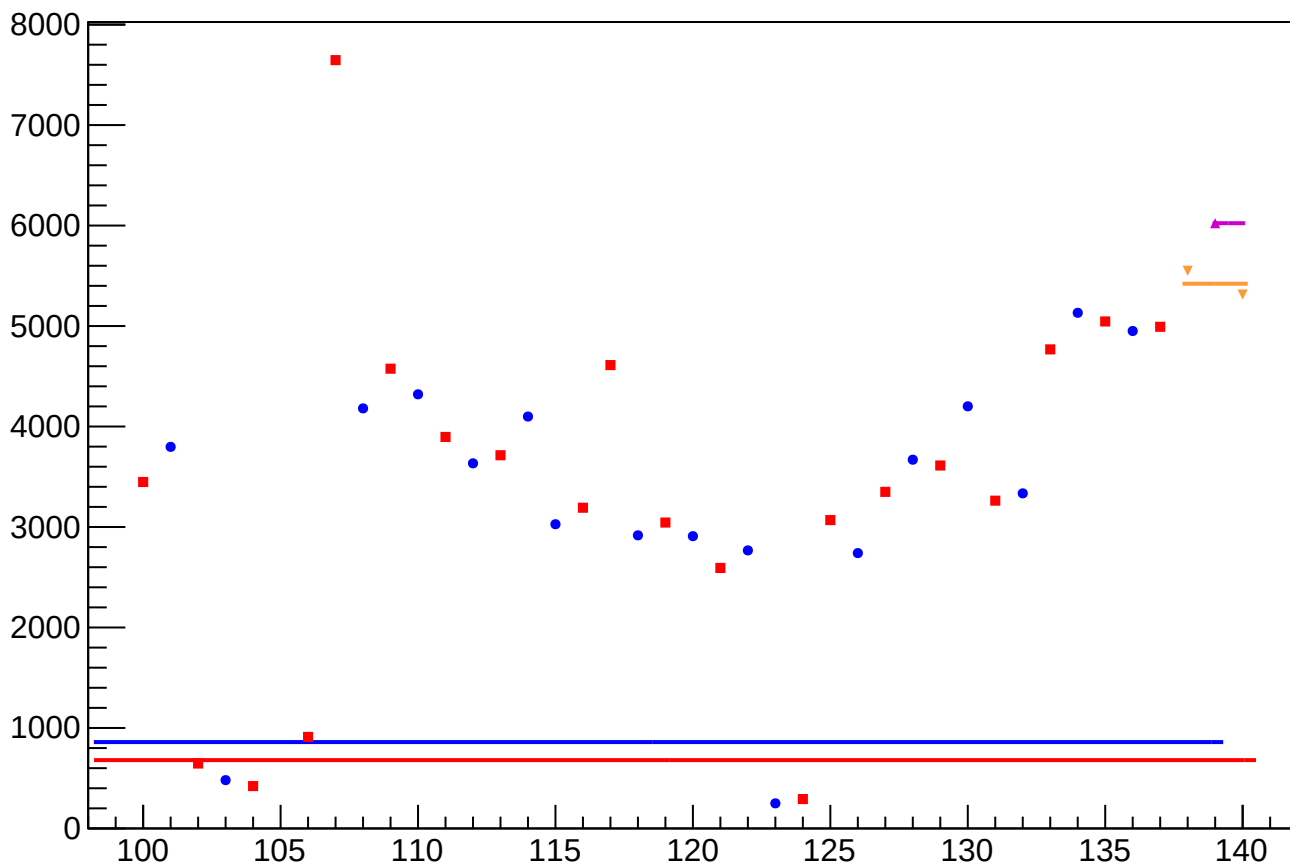
Left In: -1761.188+/-7085.400 χ^2/NDF : 0.0/0

392.546+/-536.371 χ^2/NDF : 19.2/18

252.362+/-336.757 χ^2/NDF : 41.1/39

161.148+/-432.660 χ^2/NDF : 21.8/20

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 5421.174 ± 3.118 χ^2/NDF : 1430.7/1

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

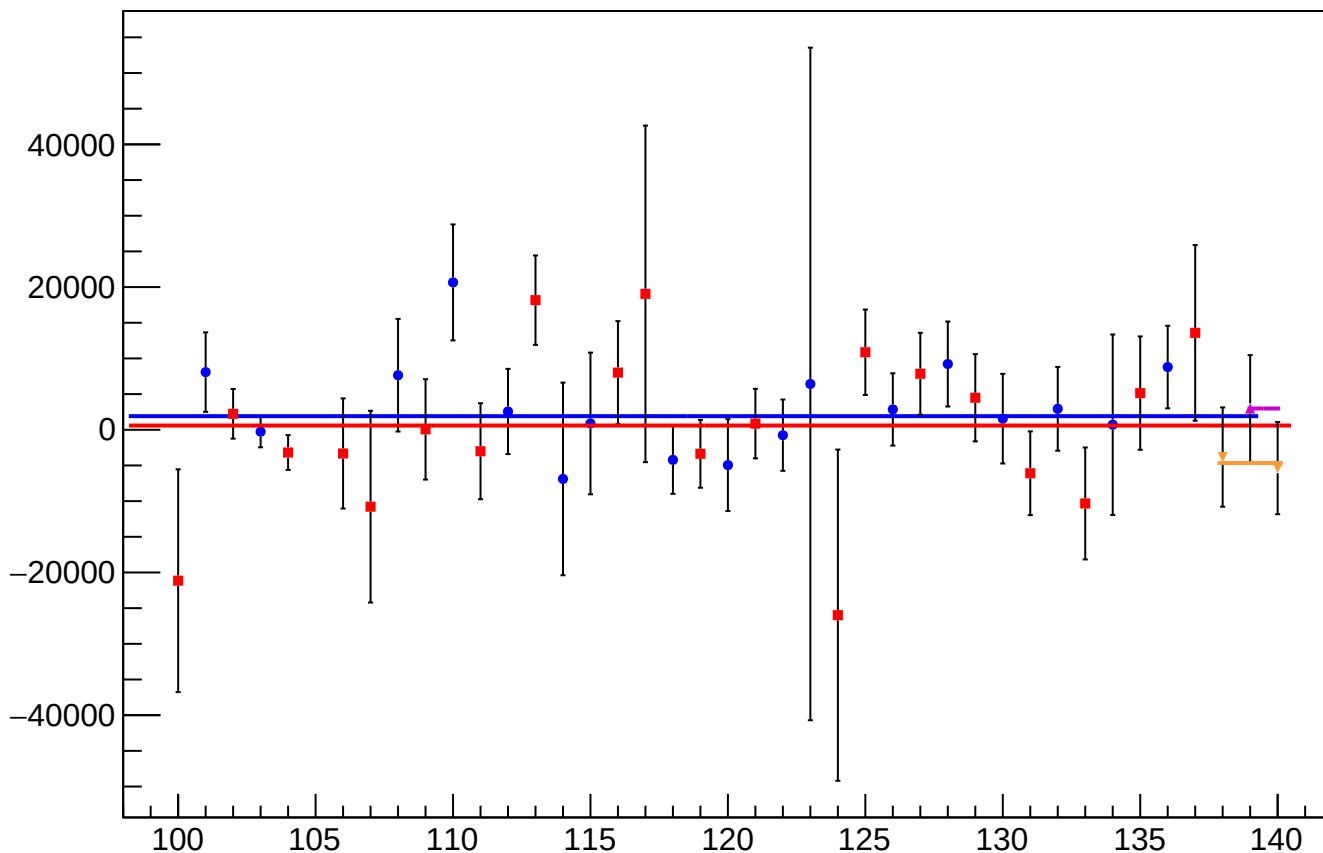
Left In: 6023.454 ± 5.010 χ^2/NDF : 0.0/0

927.050 ± 0.379 χ^2/NDF : 10253340.2/18

789.521 ± 0.238 χ^2/NDF : 20051466.2/39

700.034 ± 0.306 χ^2/NDF : 9581080.5/20

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: -4657.140+/-4734.858 χ^2/NDF : 0.0/1

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

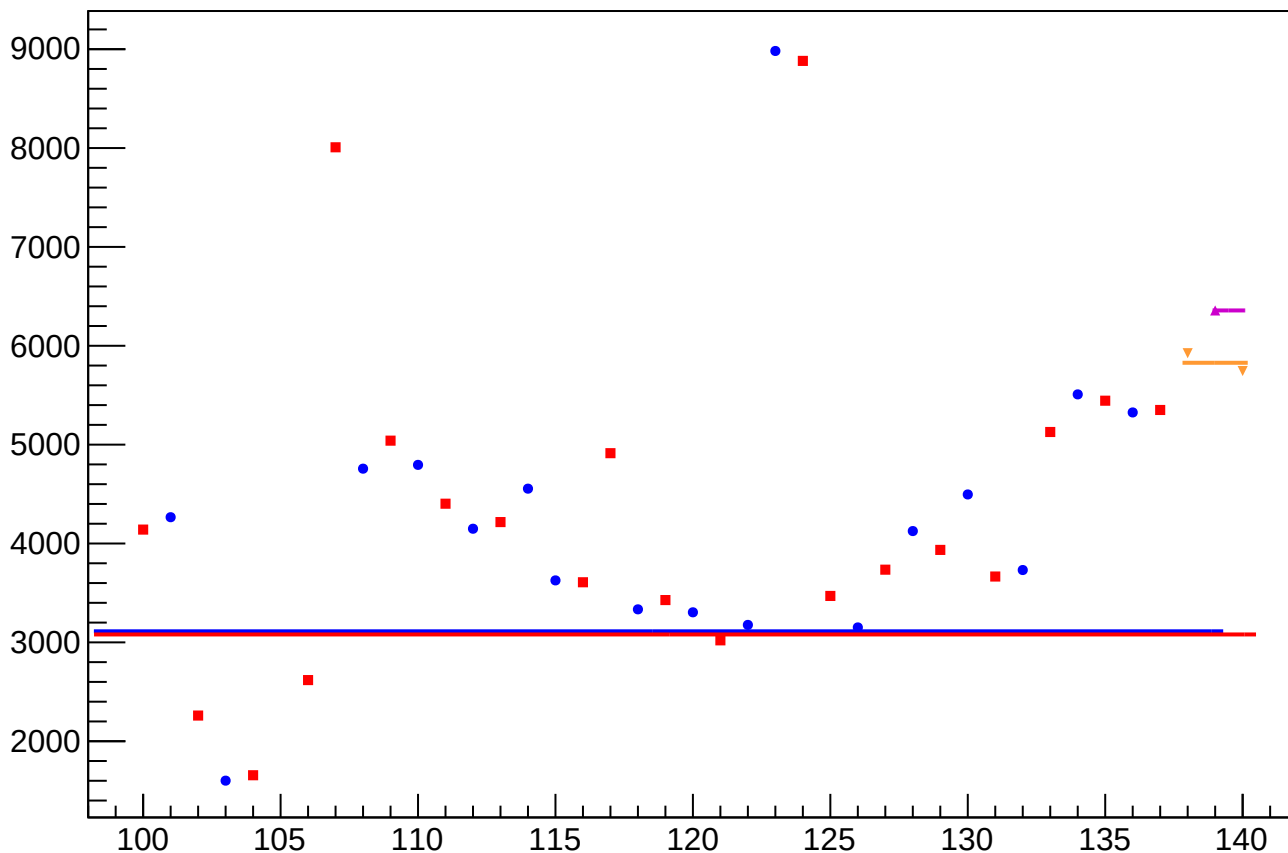
Left In: 2982.880+/-7479.708 χ^2/NDF : 0.0/0

1442.298+/-1262.764 χ^2/NDF : 16.4/18

1053.334+/-893.841 χ^2/NDF : 43.7/39

662.742+/-1265.404 χ^2/NDF : 27.1/20

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5828.017+/-3.348 χ^2/NDF : 719.2/1

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

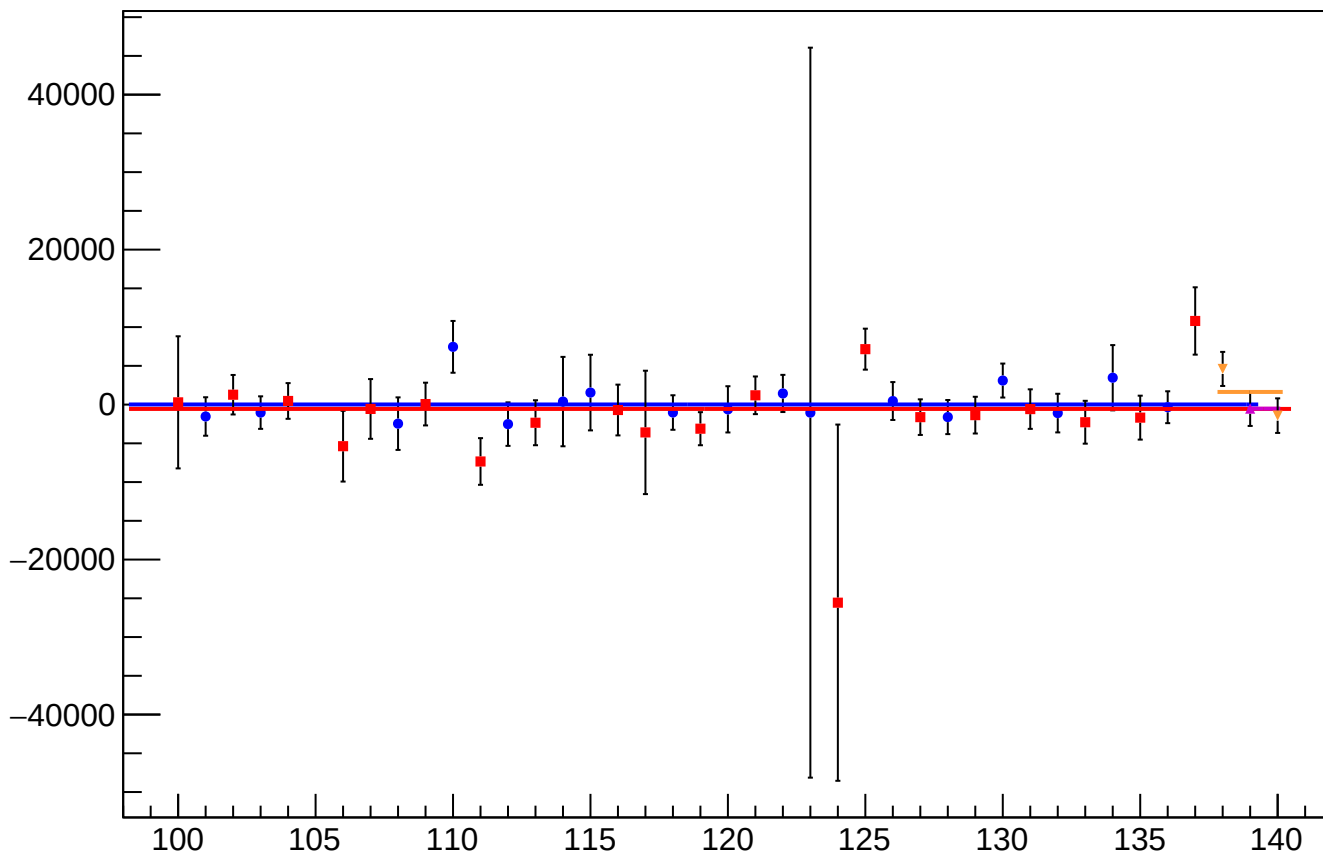
Left In: 6357.376+/-5.289 χ^2/NDF : 0.0/0

3305.016+/-0.893 χ^2/NDF : 2491633.7/18

3237.329+/-0.628 χ^2/NDF : 4894021.9/39

3171.251+/-0.882 χ^2/NDF : 2391032.0/20

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 1632.929+/-1566.103 χ^2/NDF : 3.7/1

Right Out: -558.377+/-658.875 χ^2/NDF : 26.8/19

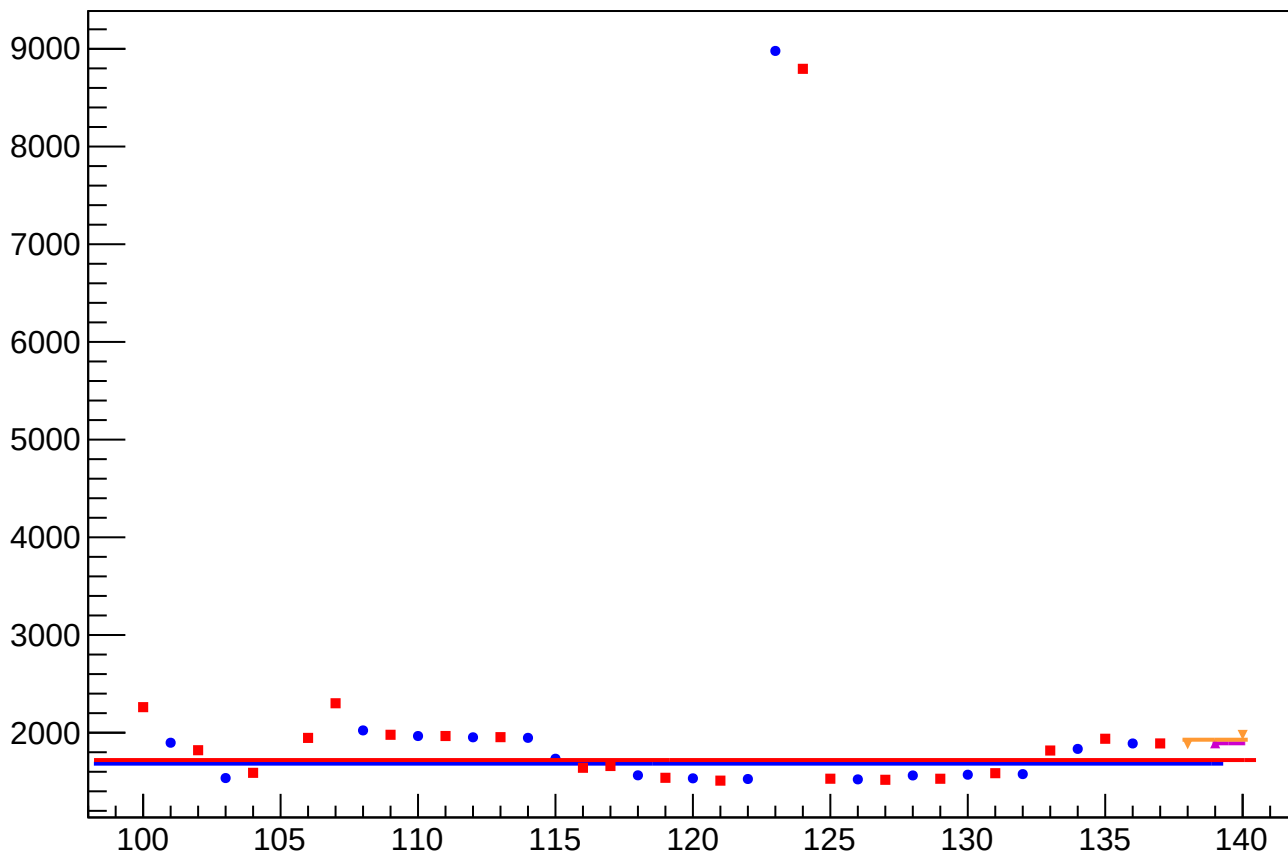
Left In: -523.164+/-2232.208 χ^2/NDF : 0.0/0

258.953+/-609.059 χ^2/NDF : 15.7/18

-133.300+/-438.530 χ^2/NDF : 43.4/39

-555.555+/-631.922 χ^2/NDF : 26.8/20

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1928.219+/-1.107 χ^2/NDF : 1904.3/1

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

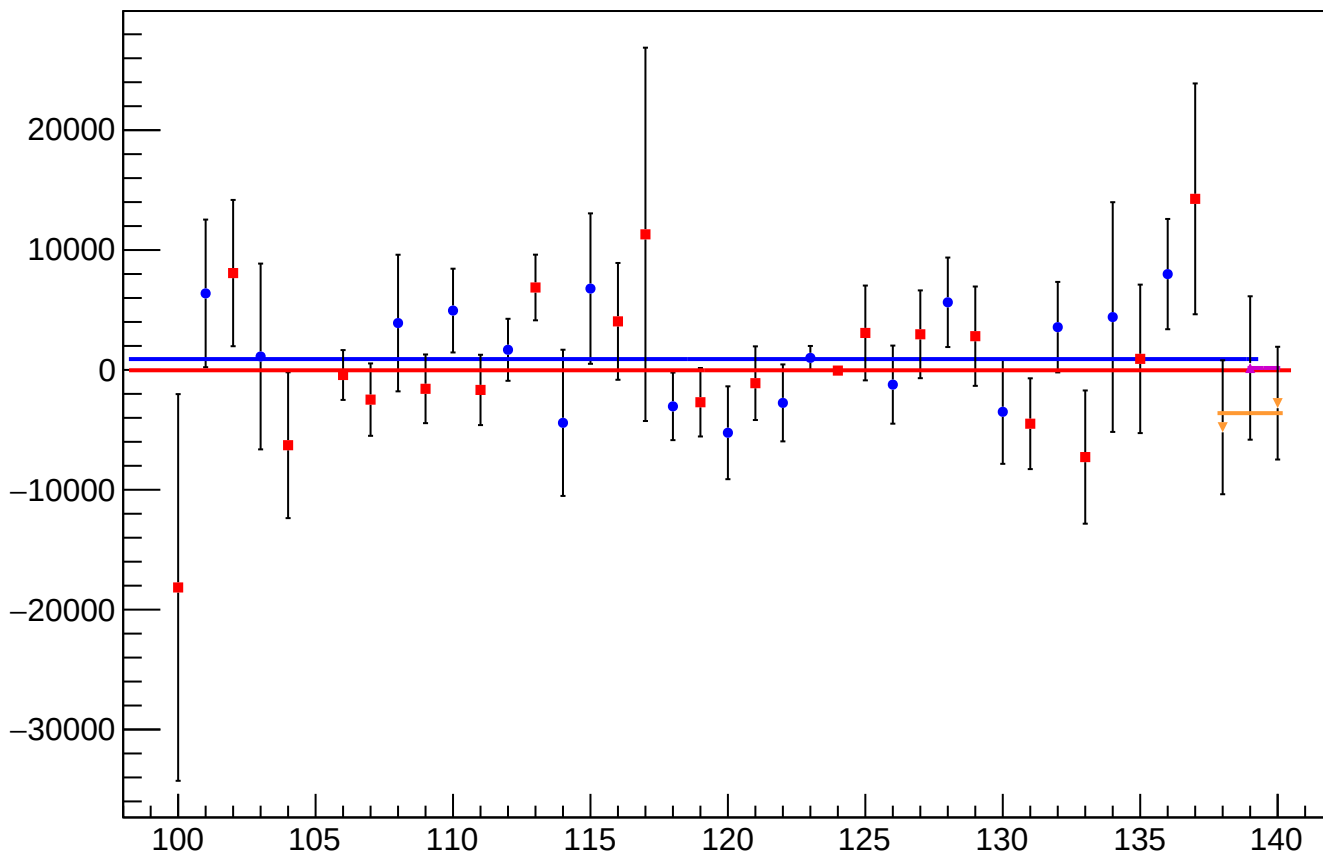
Left In: 1891.522+/-1.578 χ^2/NDF : 0.0/0

1720.307+/-0.431 χ^2/NDF : 239328.1/18

1726.737+/-0.309 χ^2/NDF : 646880.9/39

1733.604+/-0.445 χ^2/NDF : 407091.9/20

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -3607.663+/-3598.360 χ^2/NDF : 0.1/1

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

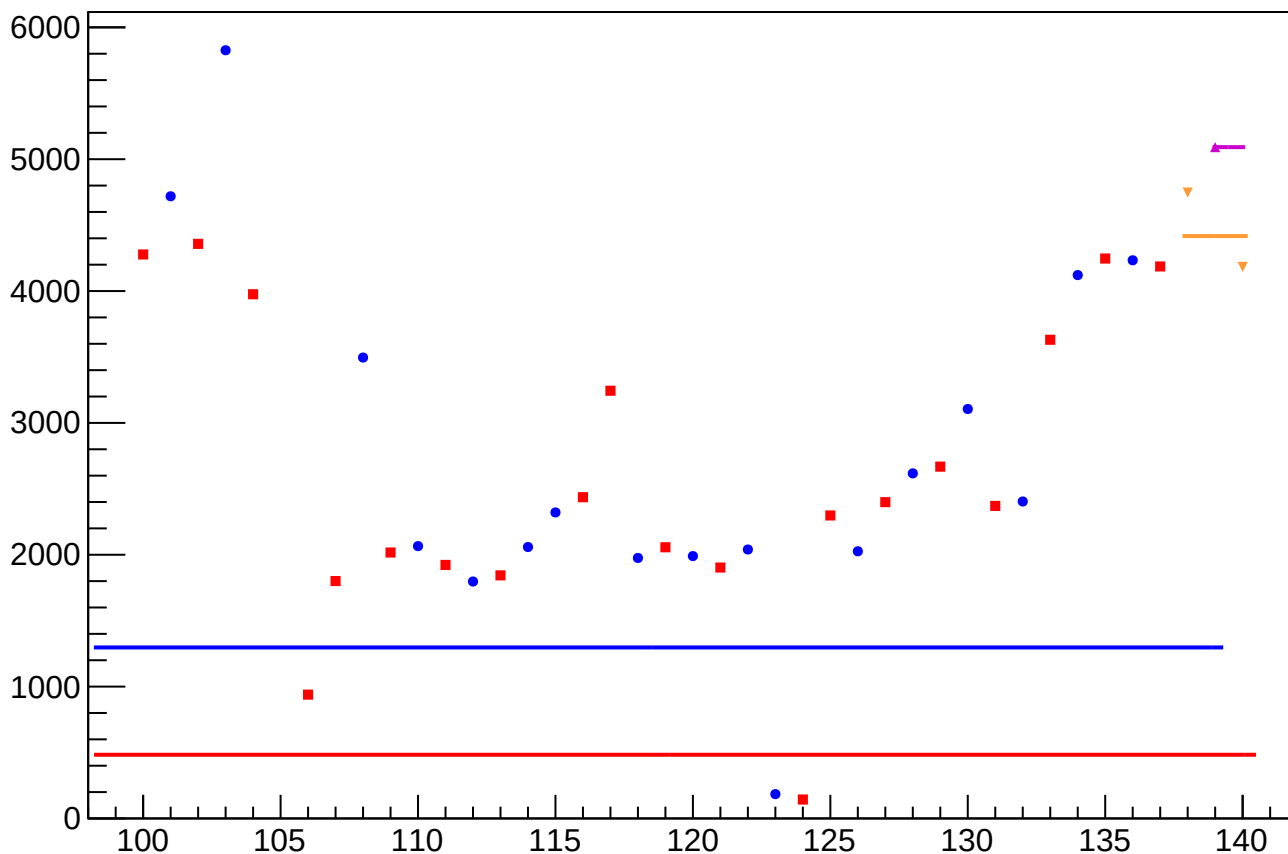
Left In: 160.235+/-5982.104 χ^2/NDF : 0.0/0

736.330+/-692.380 χ^2/NDF : 17.6/18

129.372+/-316.917 χ^2/NDF : 39.6/39

-31.494+/-356.448 χ^2/NDF : 21.0/20

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 4416.884+/-2.544 χ^2/NDF : 11909.8/1

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

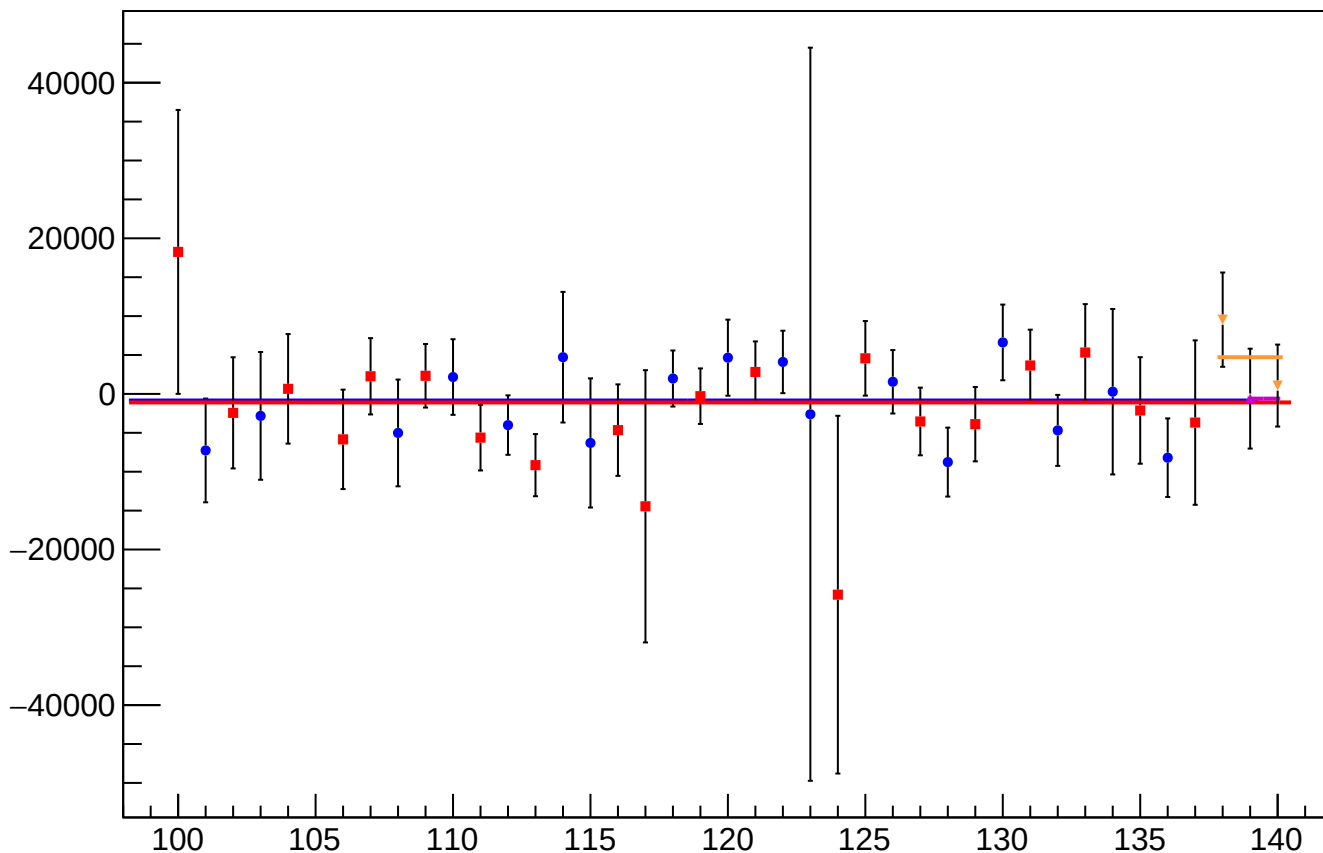
Left In: 5091.482+/-4.230 χ^2/NDF : 0.0/0

1412.514+/-0.490 χ^2/NDF : 7969329.6/18

690.698+/-0.224 χ^2/NDF : 22108899.1/39

499.392+/-0.252 χ^2/NDF : 11389798.2/20

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 4717.890+/-3975.639 χ^2/NDF : 1.1/1

Right Out: -1095.033+/-1187.966 χ^2/NDF : 15.6/19

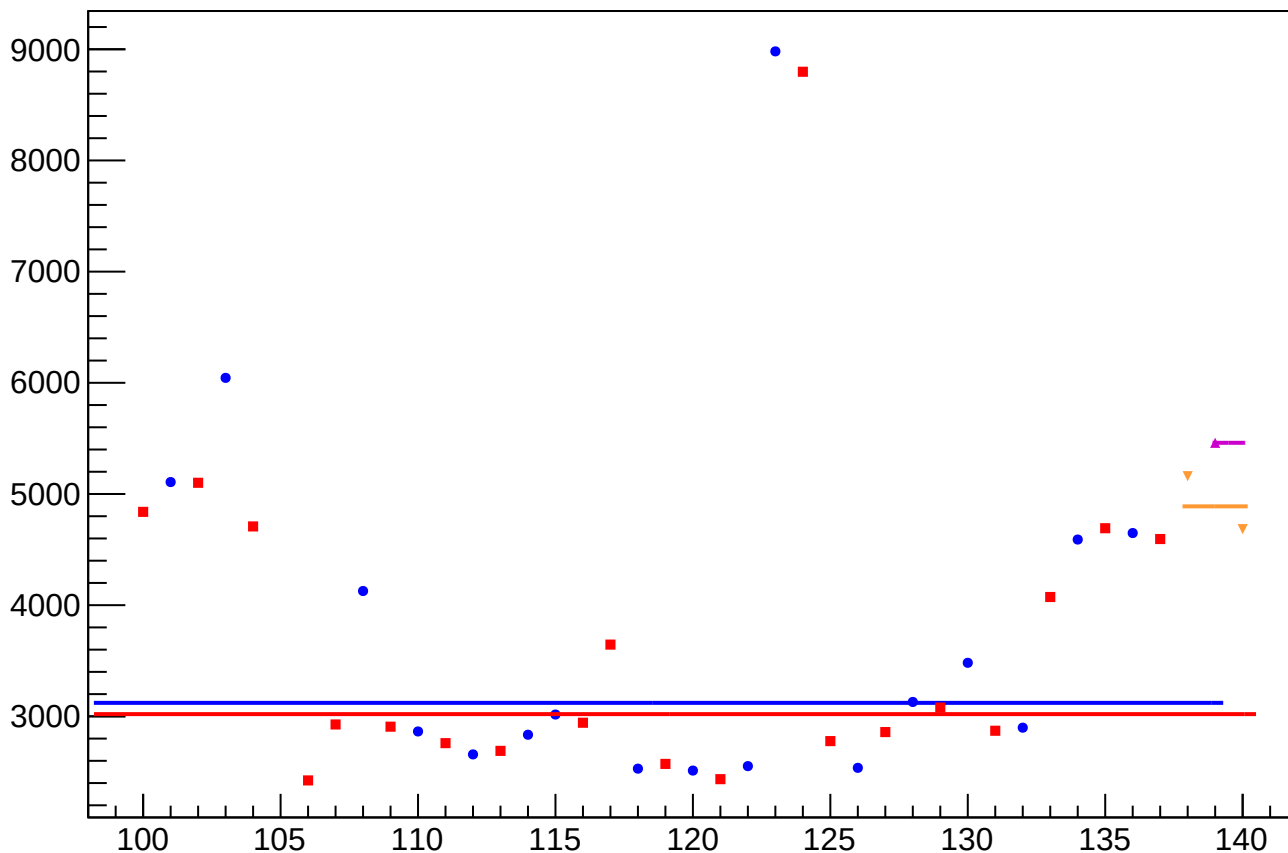
Left In: -606.184+/-6419.830 χ^2/NDF : 0.0/0

-340.460+/-1202.008 χ^2/NDF : 18.3/18

-720.204+/-837.715 χ^2/NDF : 34.1/39

-1078.847+/-1168.135 χ^2/NDF : 15.6/20

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4888.686+/-2.811 χ^2/NDF : 7032.0/1

Right Out: 3020.039+/-0.830 χ^2/NDF : 794563.8/19

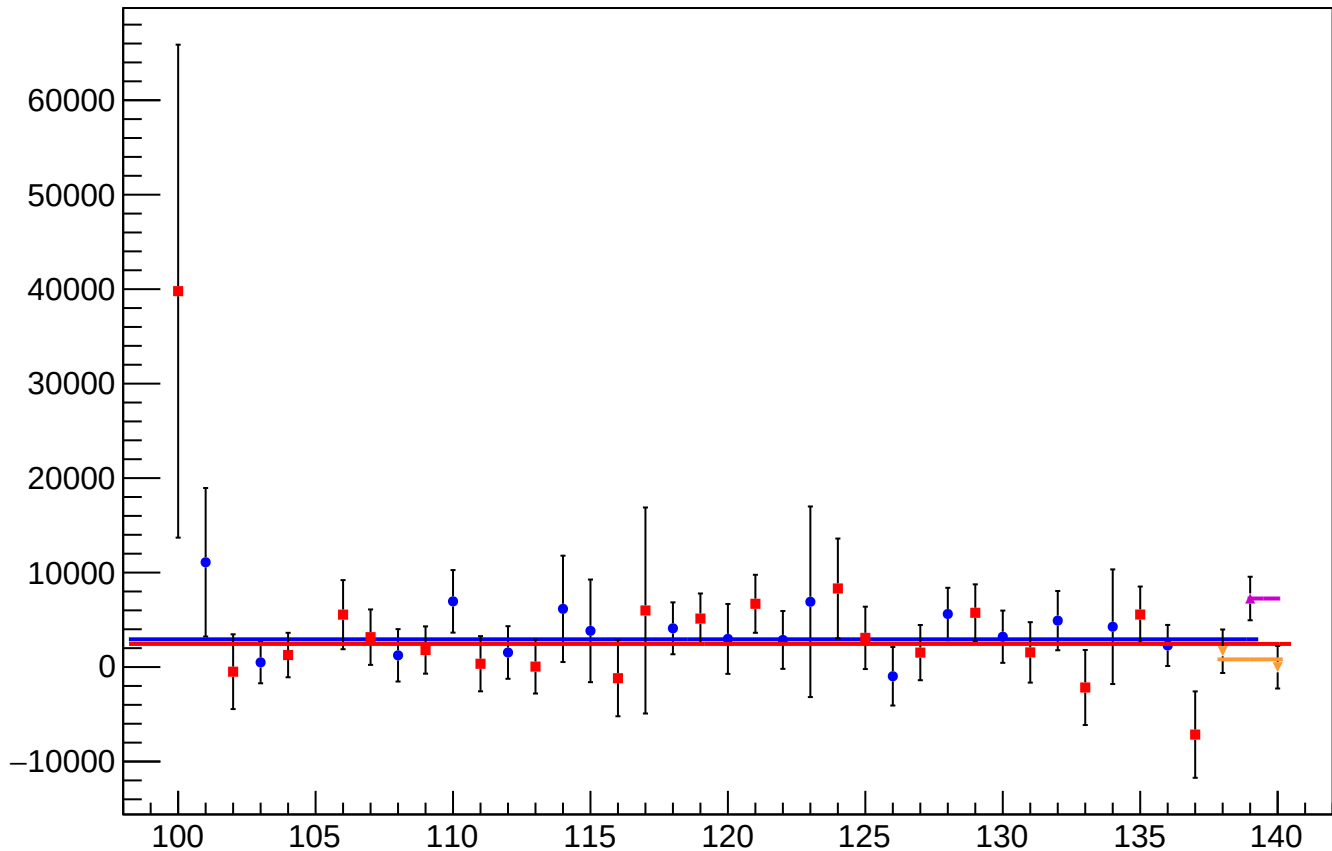
Left In: 5460.363+/-4.540 χ^2/NDF : 0.0/0

3282.964+/-0.850 χ^2/NDF : 1311818.4/18

3187.199+/-0.589 χ^2/NDF : 2410428.1/39

3098.909+/-0.816 χ^2/NDF : 1074210.5/20

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 811.701+/-1610.212 χ^2/NDF : 0.3/1

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

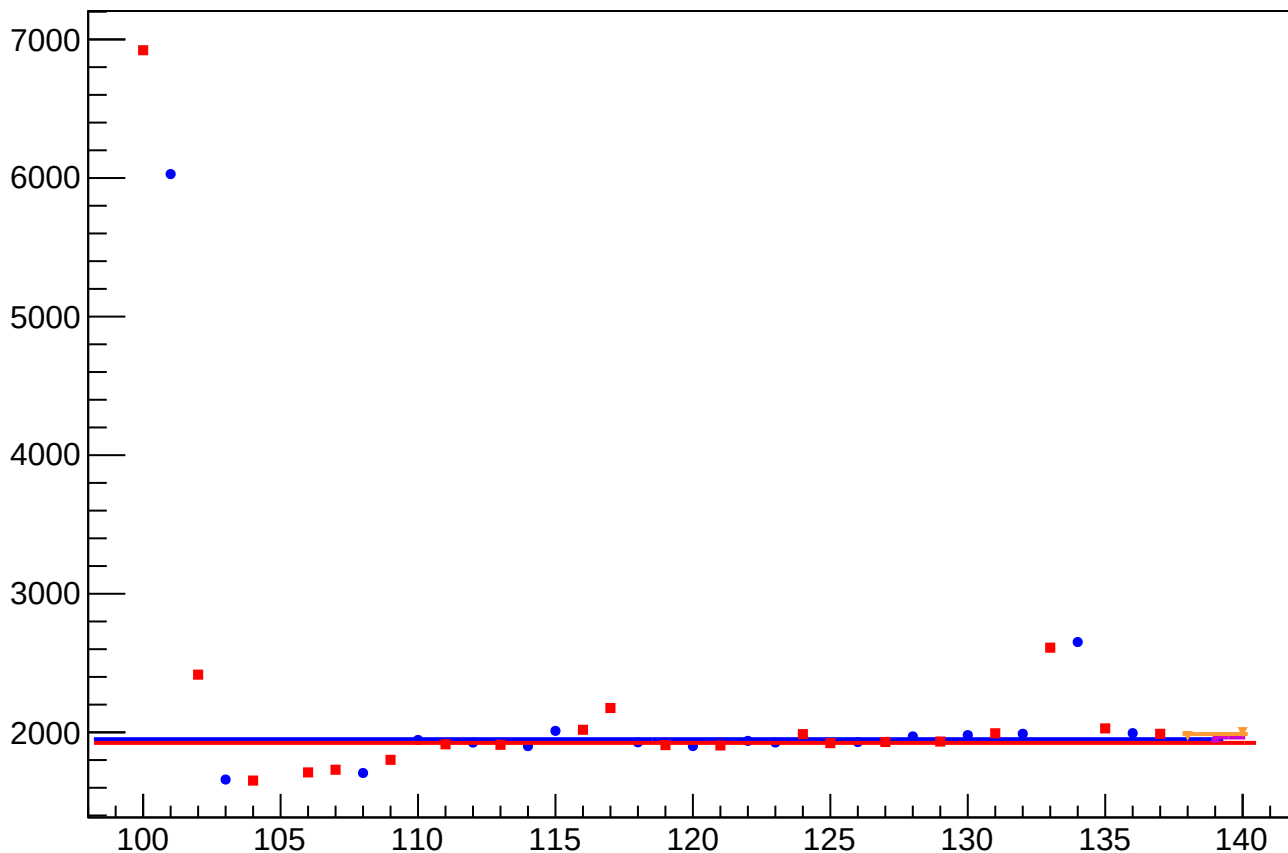
Left In: 7254.337+/-2303.914 χ^2/NDF : 0.0/0

2536.010+/-698.592 χ^2/NDF : 9.8/18

2715.272+/-495.684 χ^2/NDF : 32.2/39

2897.032+/-703.440 χ^2/NDF : 22.2/20

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.615+/-0.548 χ^2/NDF : 617332.2/16

Left Out: 1987.517+/-1.139 χ^2/NDF :153.4/1

Right Out: 1923.907+/-0.521 χ^2/NDF : 218470.6/19

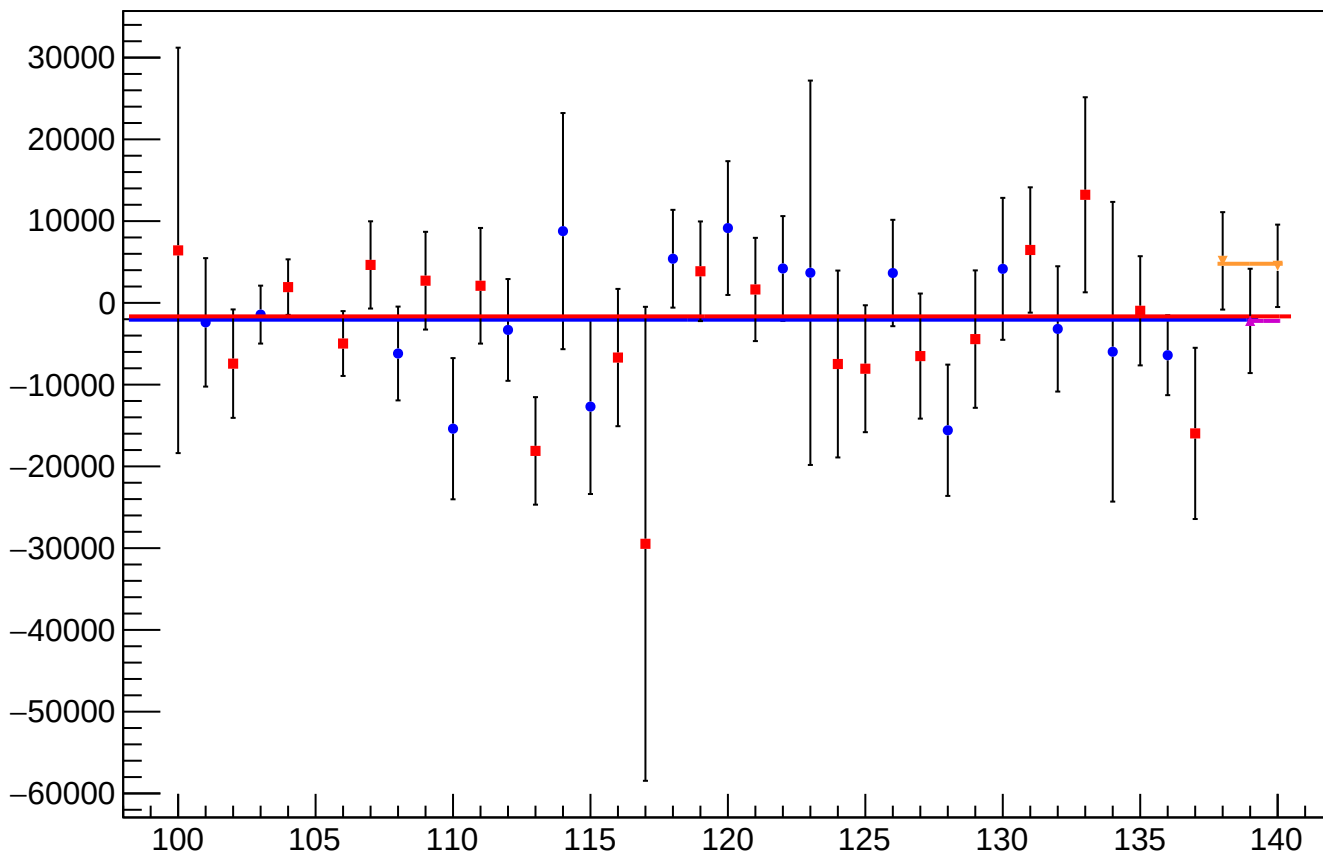
Left In: 1962.999+/-1.629 χ^2/NDF :0.0/0

1957.561+/-0.494 χ^2/NDF : 618338.3/18

1942.621+/-0.350 χ^2/NDF : 839169.6/39

1927.536+/-0.496 χ^2/NDF : 218993.0/20

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -2056.876+/-1661.079 χ^2/NDF : 14.0/16

Left Out: 4784.121+/-3848.115 χ^2/NDF : 0.0/1

Right Out: -1652.978+/-1475.490 χ^2/NDF : 19.5/19

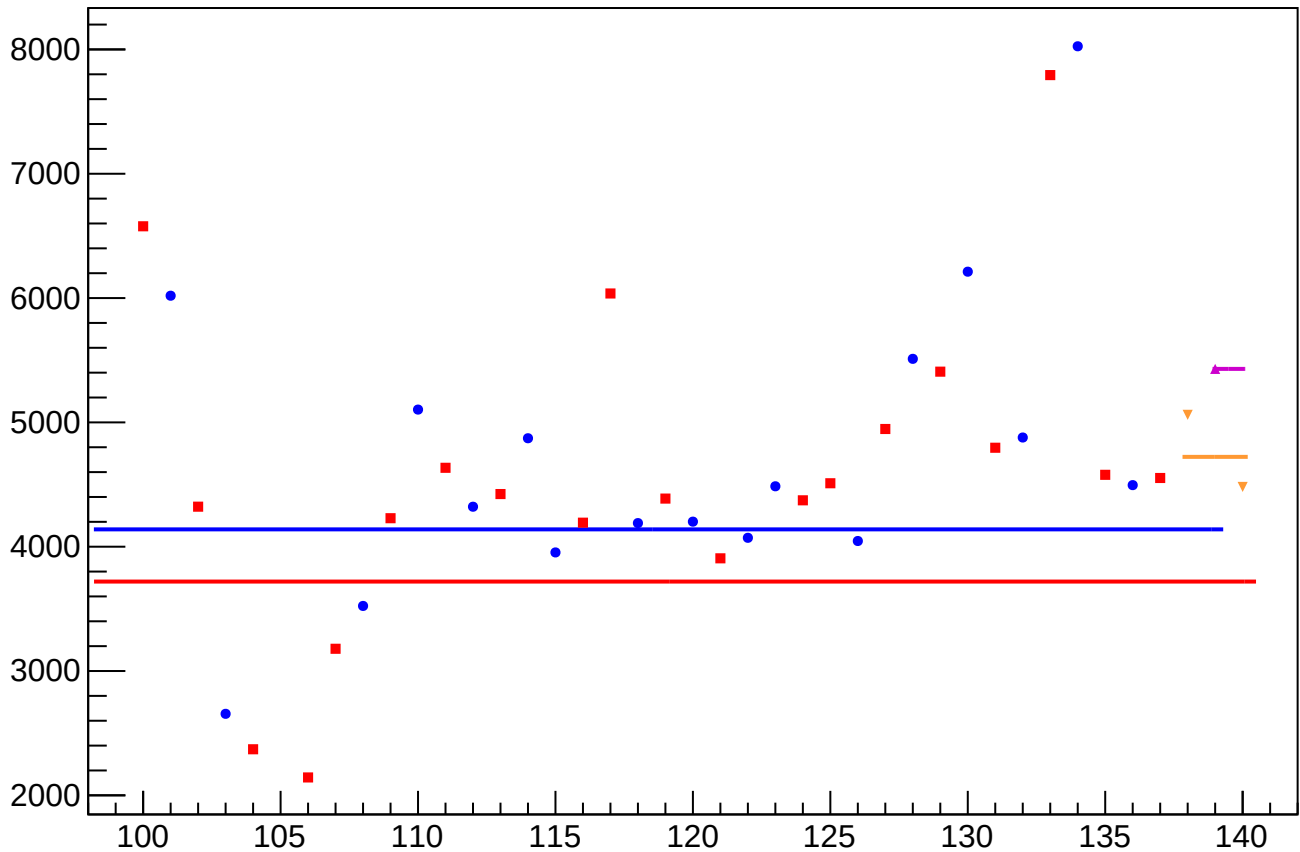
Left In: -2206.432+/-6379.679 χ^2/NDF : 0.0/0

-982.397+/-1525.061 χ^2/NDF : 16.6/18

-1352.360+/-1046.068 χ^2/NDF : 36.3/39

-1681.080+/-1437.543 χ^2/NDF : 19.5/20

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4722.653+/-2.721 χ^2/NDF : 11044.8/1

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

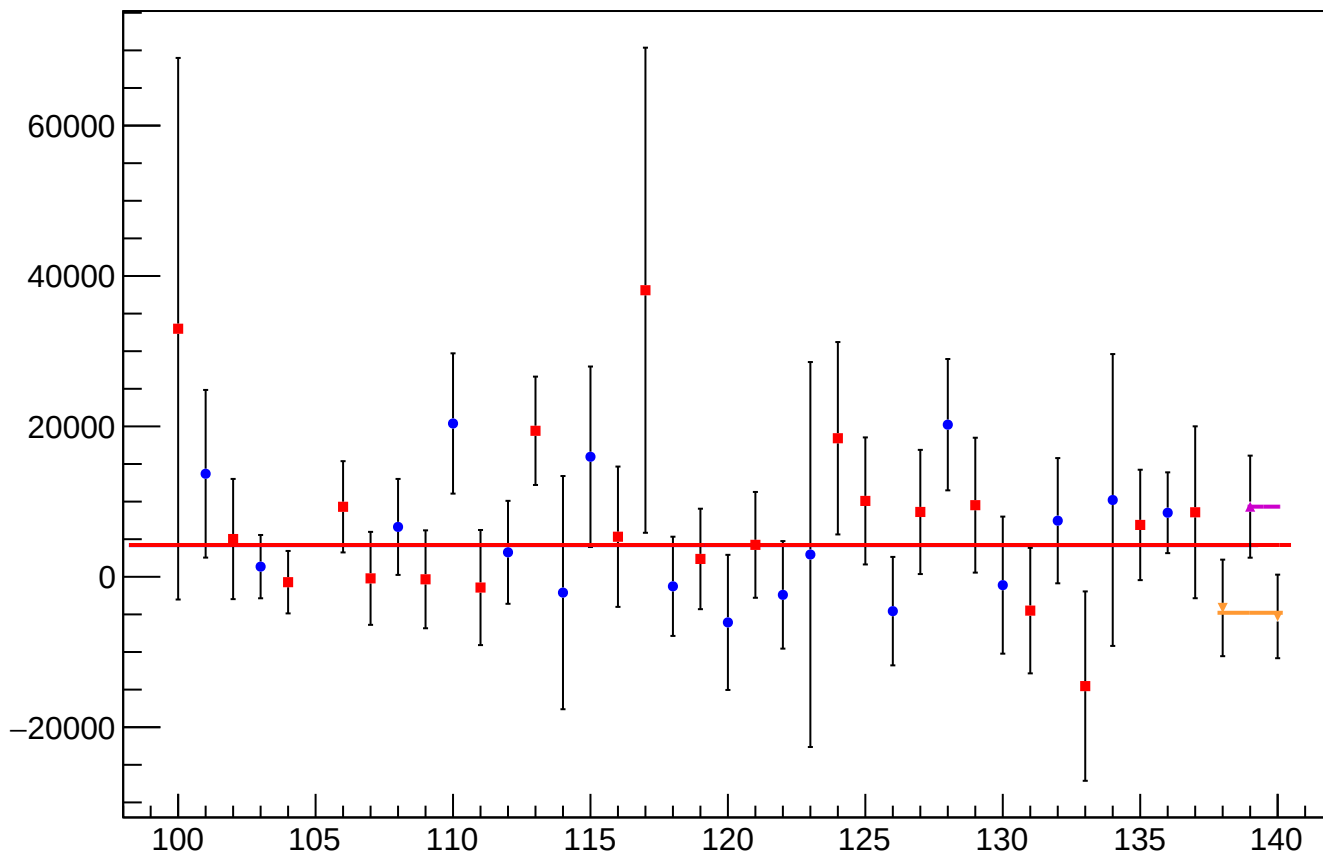
Left In: 5430.284+/-4.511 χ^2/NDF : 0.0/0

4231.003+/-1.078 χ^2/NDF : 863325.9/18

4006.173+/-0.740 χ^2/NDF : 2370570.7/39

3806.407+/-1.016 χ^2/NDF : 1425155.8/20

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: -4783.955+/-4200.571 χ^2/NDF : 0.0/1

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

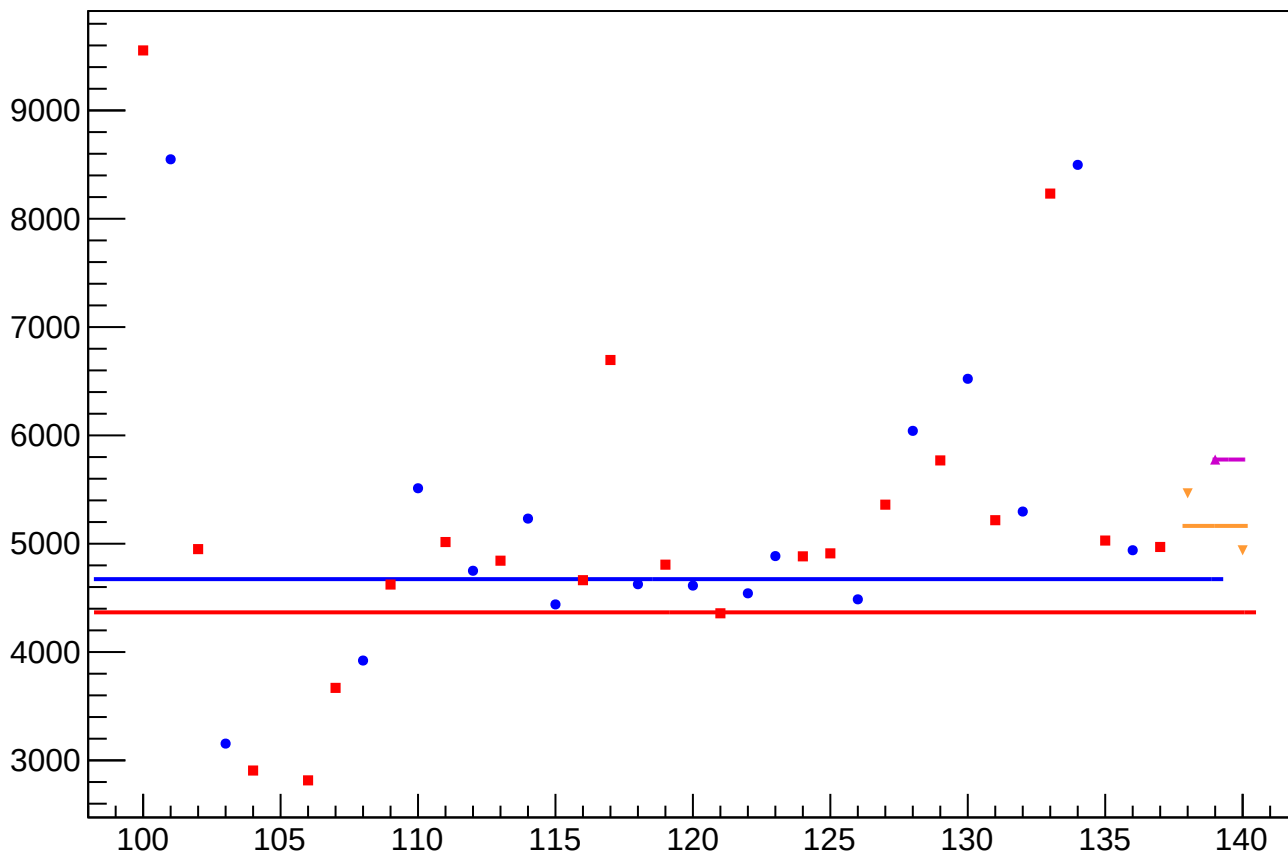
Left In: 9327.204+/-6785.758 χ^2/NDF : 0.0/0

2722.180+/-1709.356 χ^2/NDF : 18.3/18

3651.927+/-1194.501 χ^2/NDF : 35.3/39

4539.243+/-1669.895 χ^2/NDF : 16.4/20

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 5164.396 $\pm$ 2.970 χ^2 /NDF: 7681.1/1

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

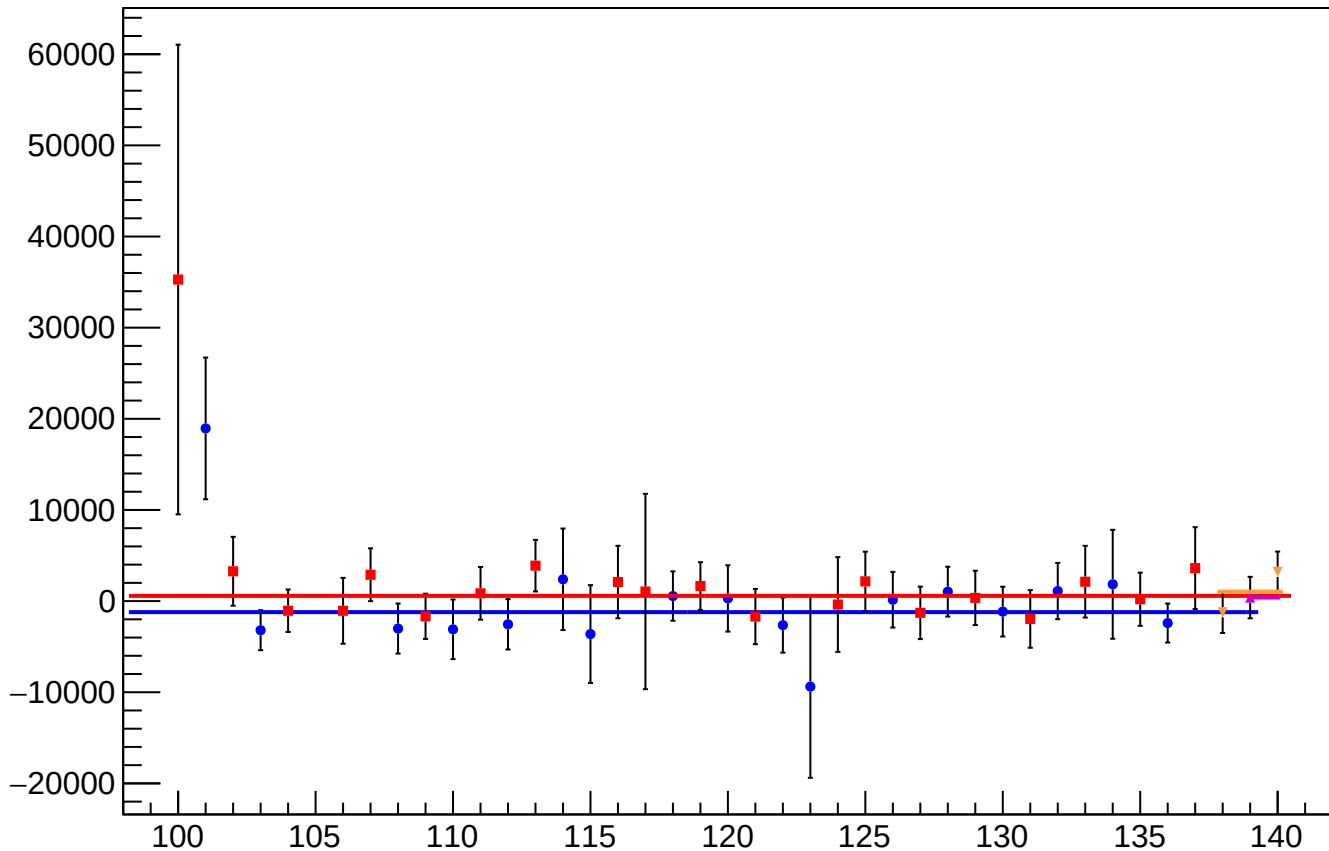
Left In: 5777.165 $\pm$ 4.798 χ^2 /NDF: 0.0/0

4754.411 $\pm$ 1.209 χ^2 /NDF: 807835.7/18

4598.306 $\pm$ 0.842 χ^2 /NDF: 1764181.4/39

4450.934 $\pm$ 1.174 χ^2 /NDF: 923918.6/20

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1037.799+/-1589.036 χ^2/NDF : 1.9/1

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

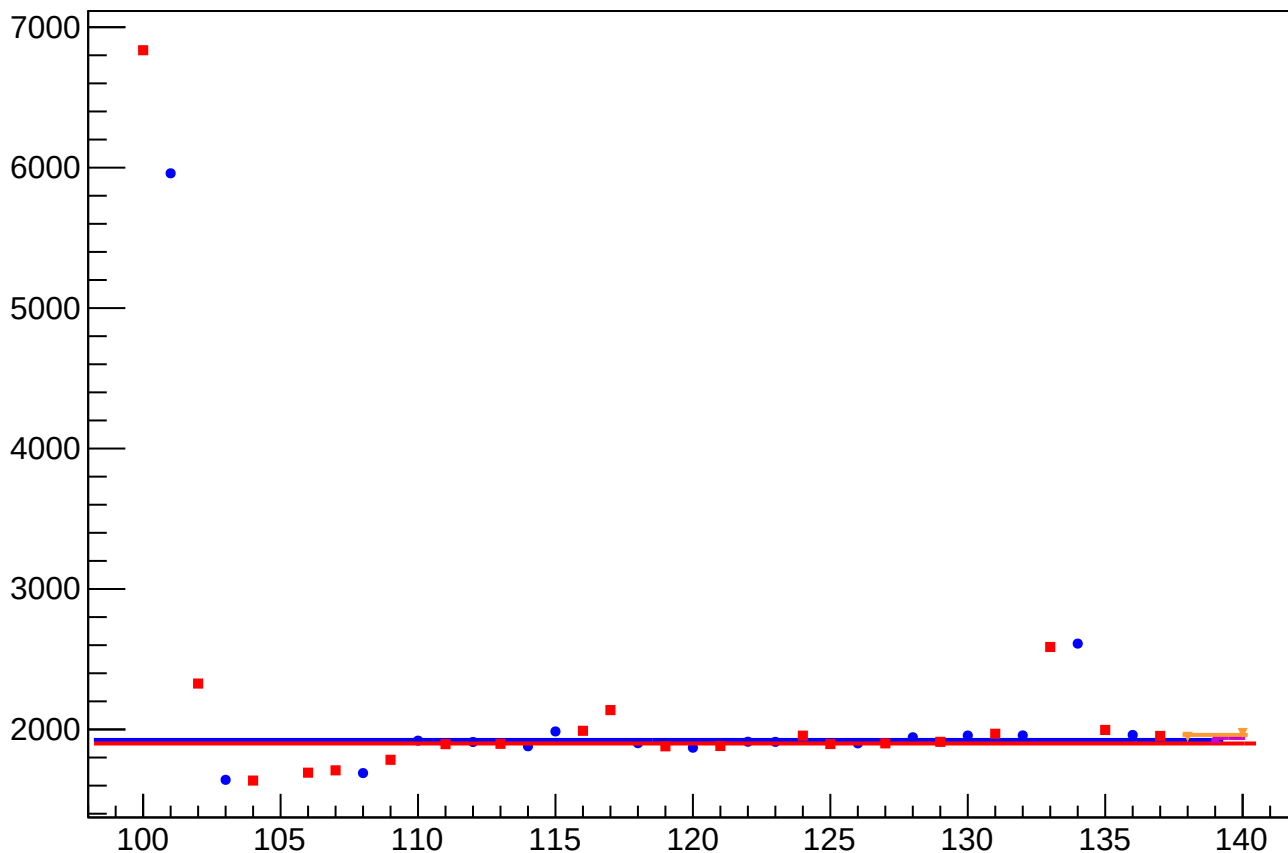
Left In: 386.843+/-2276.255 χ^2/NDF : 0.0/0

-787.746+/-689.497 χ^2/NDF : 16.2/18

-119.440+/-489.217 χ^2/NDF : 26.8/39

558.098+/-694.243 χ^2/NDF : 8.7/20

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1961.279+/-1.124 χ^2/NDF : 149.8/1

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

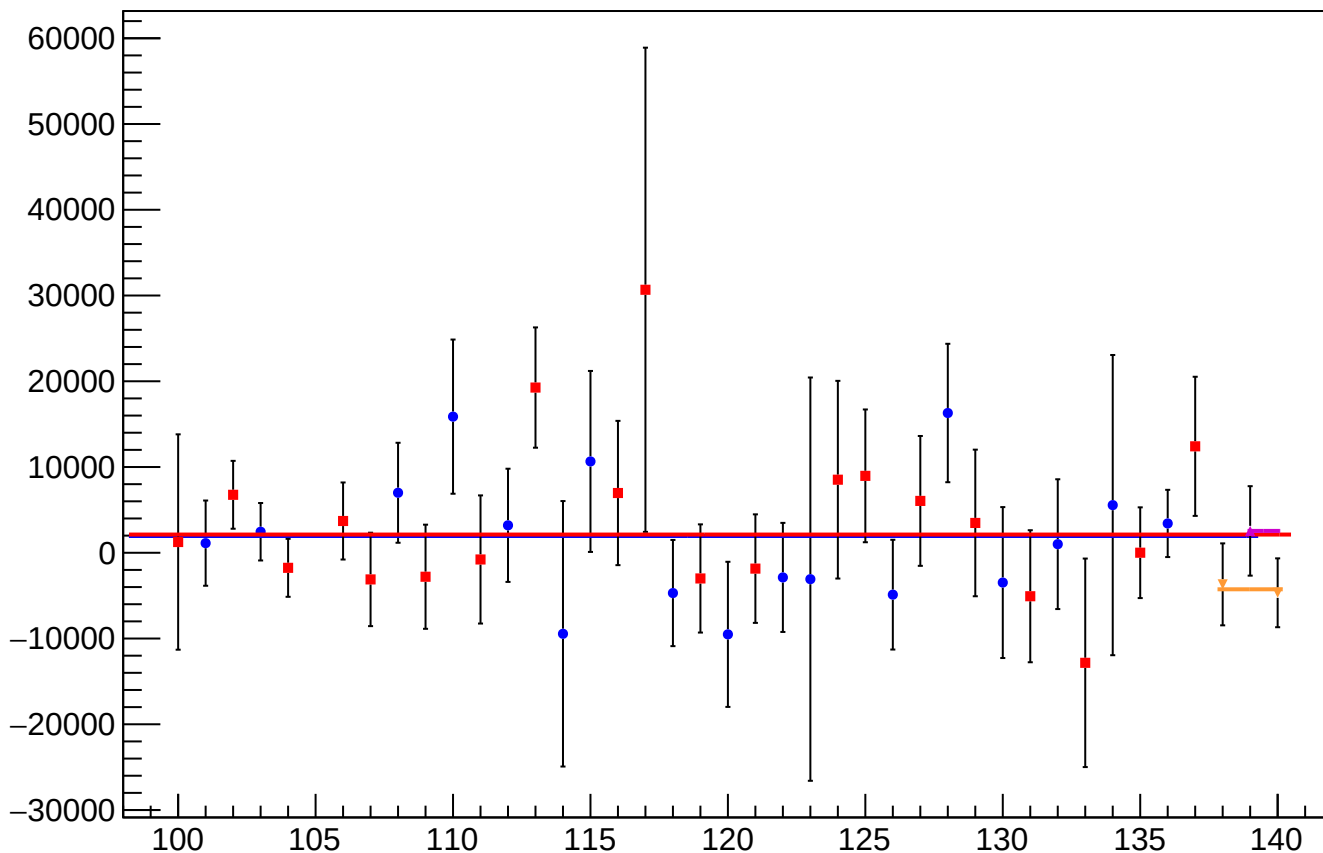
Left In: 1939.506+/-1.610 χ^2/NDF : 0.0/0

1932.091+/-0.488 χ^2/NDF : 616844.8/18

1917.923+/-0.346 χ^2/NDF : 830954.7/39

1903.619+/-0.490 χ^2/NDF : 212413.0/20

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1959.060+/-1556.840 χ^2/NDF : 12.9/16

Left Out: -4259.661+/-3074.505 χ^2/NDF : 0.0/1

Right Out: 2124.415+/-1411.872 χ^2/NDF : 18.5/19

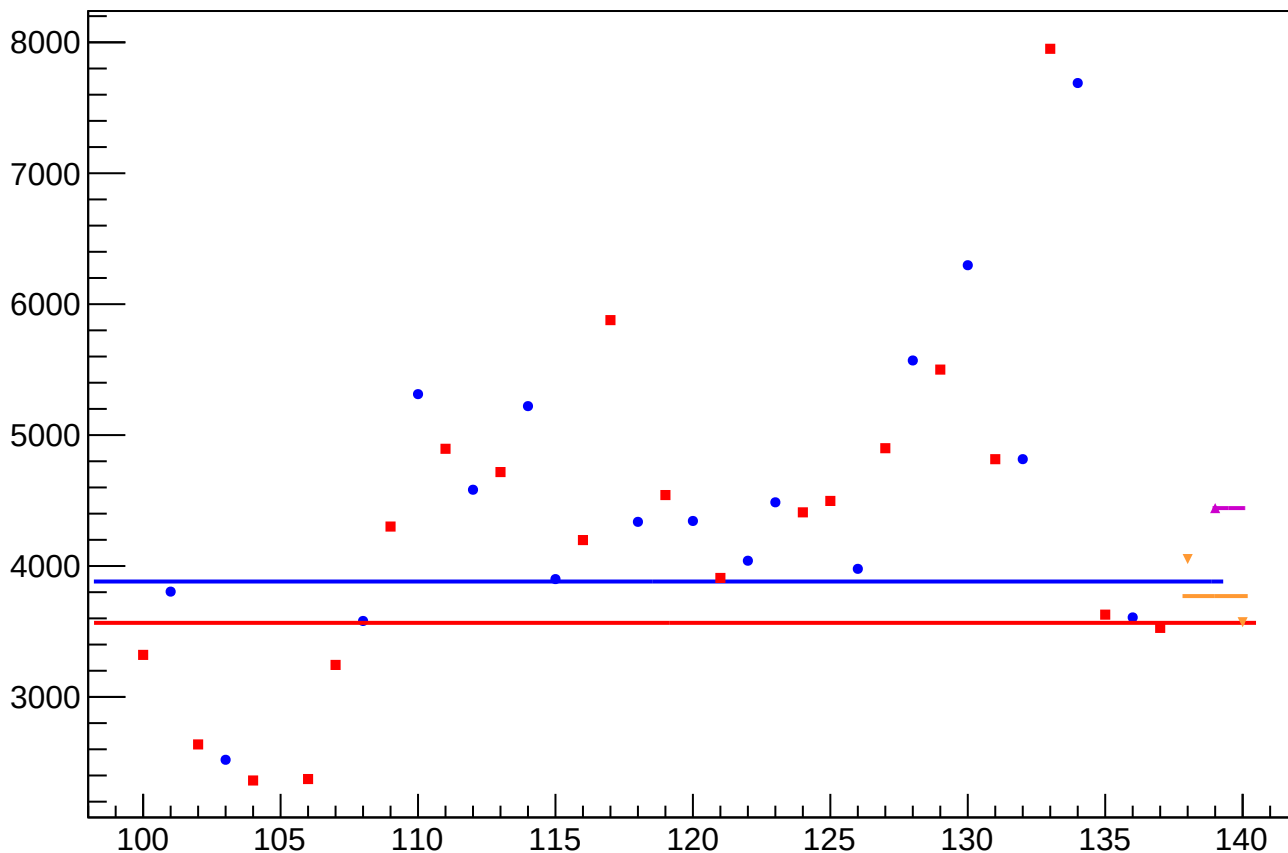
Left In: 2549.627+/-5216.805 χ^2/NDF : 0.0/0

689.927+/-1388.923 χ^2/NDF : 16.2/18

1435.550+/-972.765 χ^2/NDF : 35.3/39

2153.434+/-1362.843 χ^2/NDF : 18.5/20

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3770.285+/-2.174 χ^2/NDF : 11943.3/1

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

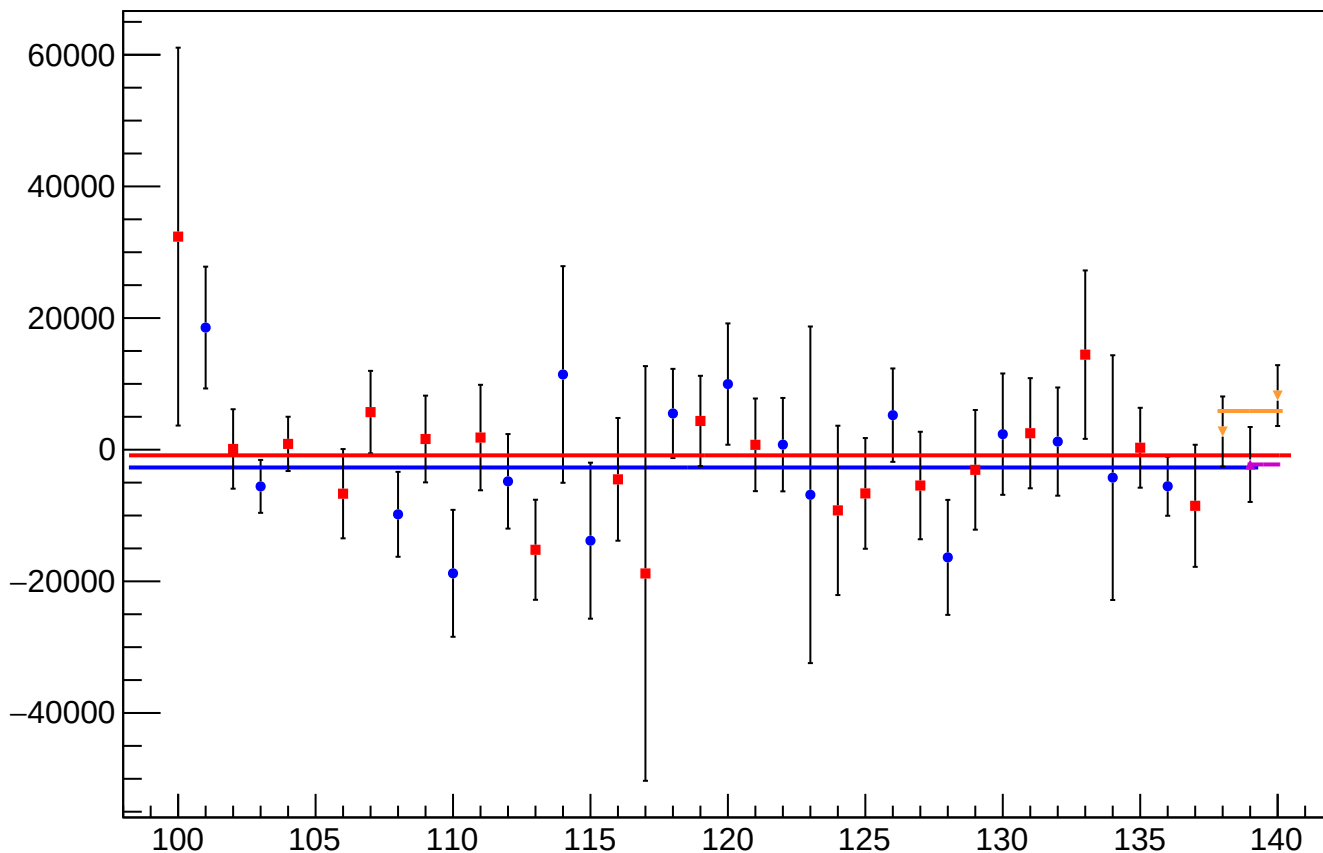
Left In: 4442.369+/-3.689 χ^2/NDF : 0.0/0

3858.865+/-0.982 χ^2/NDF : 831495.7/18

3740.058+/-0.688 χ^2/NDF : 2167799.5/39

3625.671+/-0.964 χ^2/NDF : 1307580.6/20

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 5876.482+/-3492.323 χ^2/NDF : 0.6/1

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

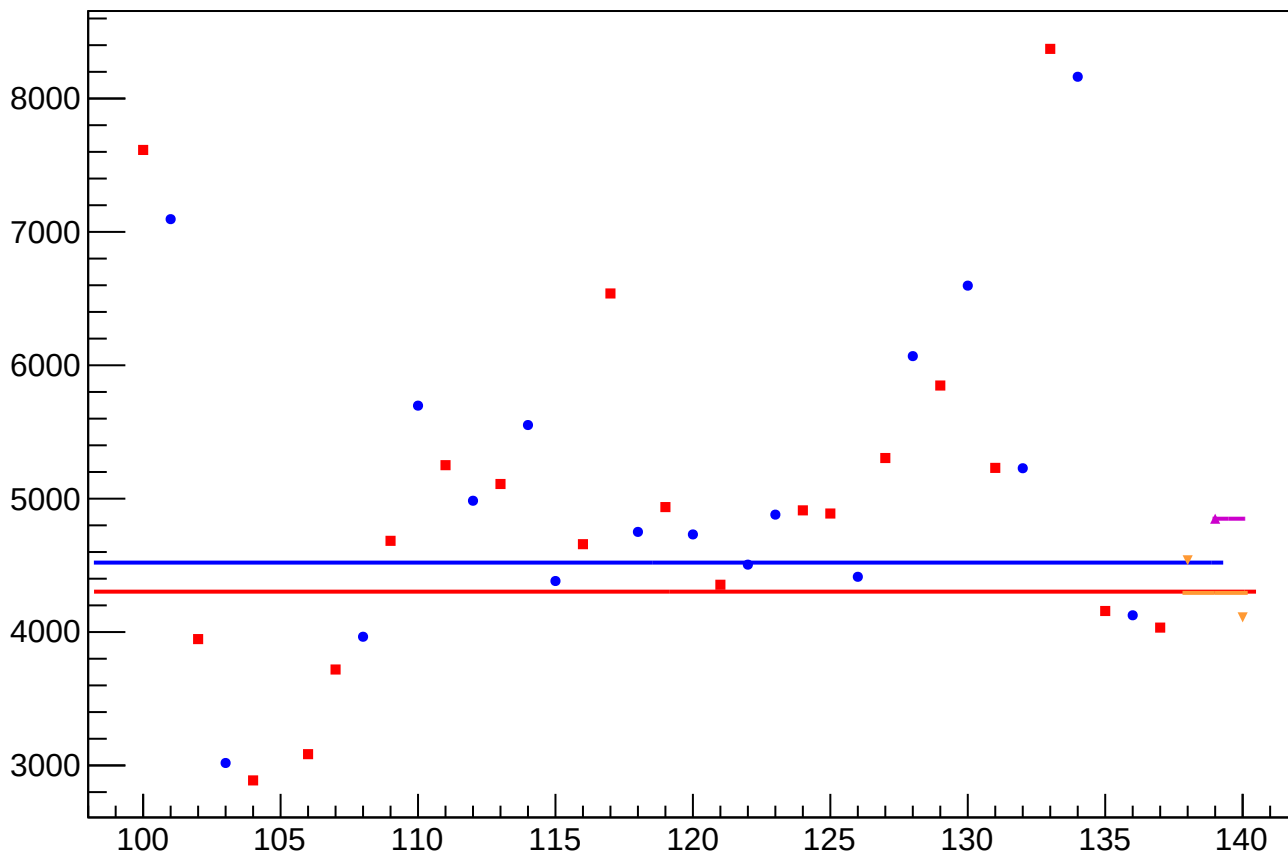
Left In: -2244.148+/-5694.110 χ^2/NDF : 0.0/0

-886.080+/-1606.331 χ^2/NDF : 25.1/18

-927.537+/-1140.062 χ^2/NDF : 37.1/39

-969.614+/-1618.319 χ^2/NDF : 11.9/20

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4293.734 $\pm$ 2.469 χ^2 /NDF: 7350.1/1

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

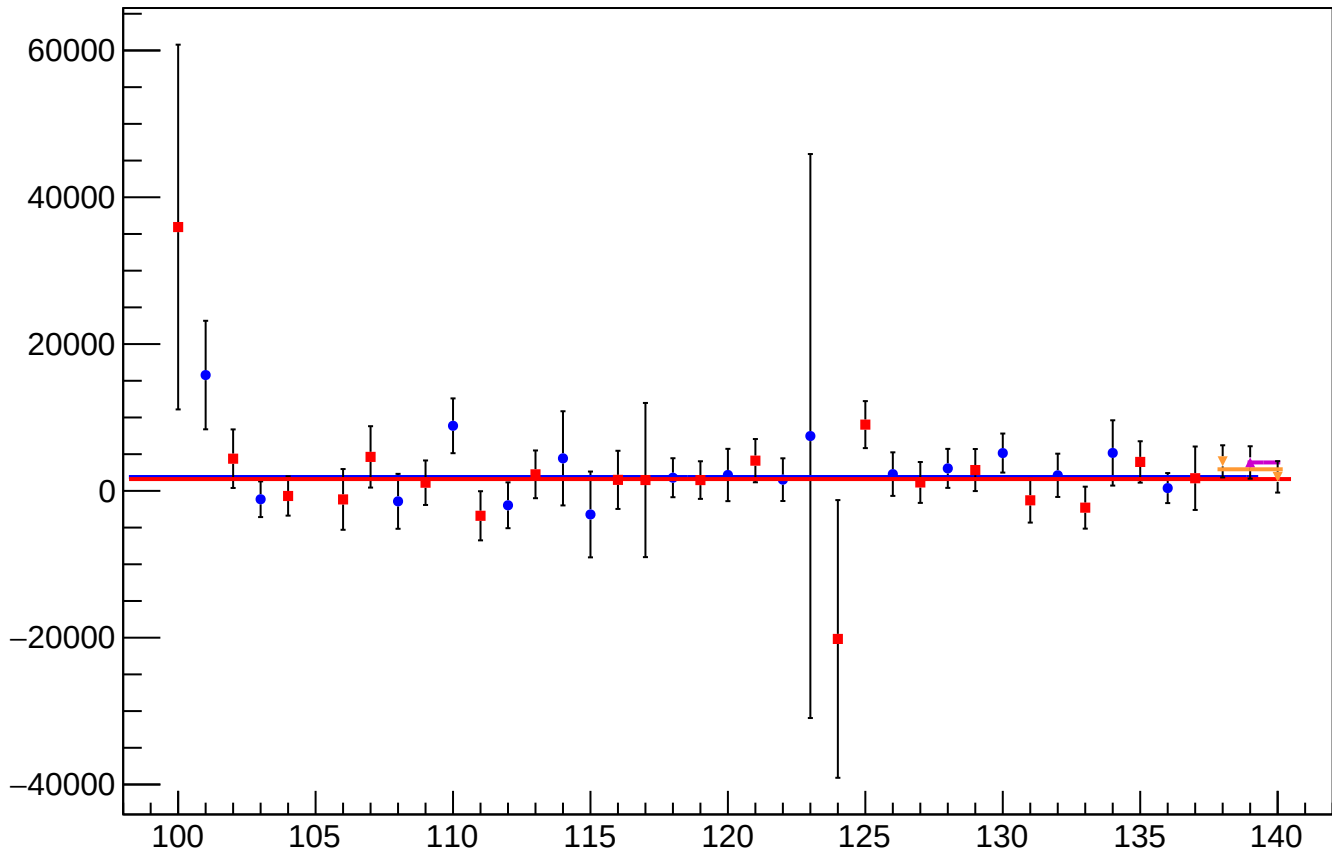
Left In: 4849.756 $\pm$ 4.026 χ^2 /NDF: 0.0/0

4472.670 $\pm$ 1.136 χ^2 /NDF: 784896.8/18

4409.791 $\pm$ 0.804 χ^2 /NDF: 1589899.0/39

4346.617 $\pm$ 1.139 χ^2 /NDF: 798858.6/20

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2942.763 $\pm$ 1530.688 χ^2 /NDF: 0.5/1

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

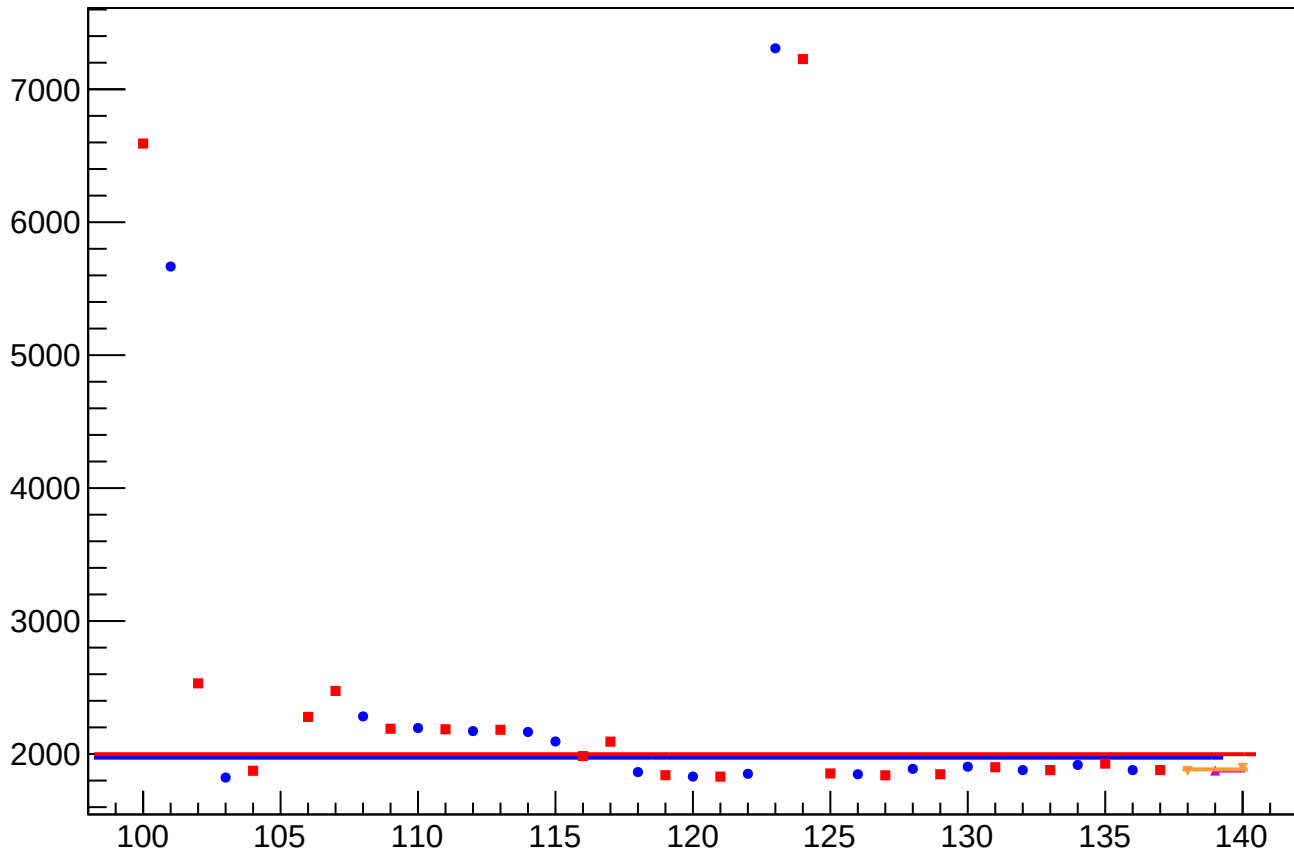
Left In: 3873.195 $\pm$ 2207.153 χ^2 /NDF: 0.0/0

2107.055 $\pm$ 697.674 χ^2 /NDF: 15.5/18

1983.718 $\pm$ 501.647 χ^2 /NDF: 34.0/39

1851.698 $\pm$ 721.814 χ^2 /NDF: 18.4/20

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1884.136+/-1.082 χ^2/NDF :109.4/1

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

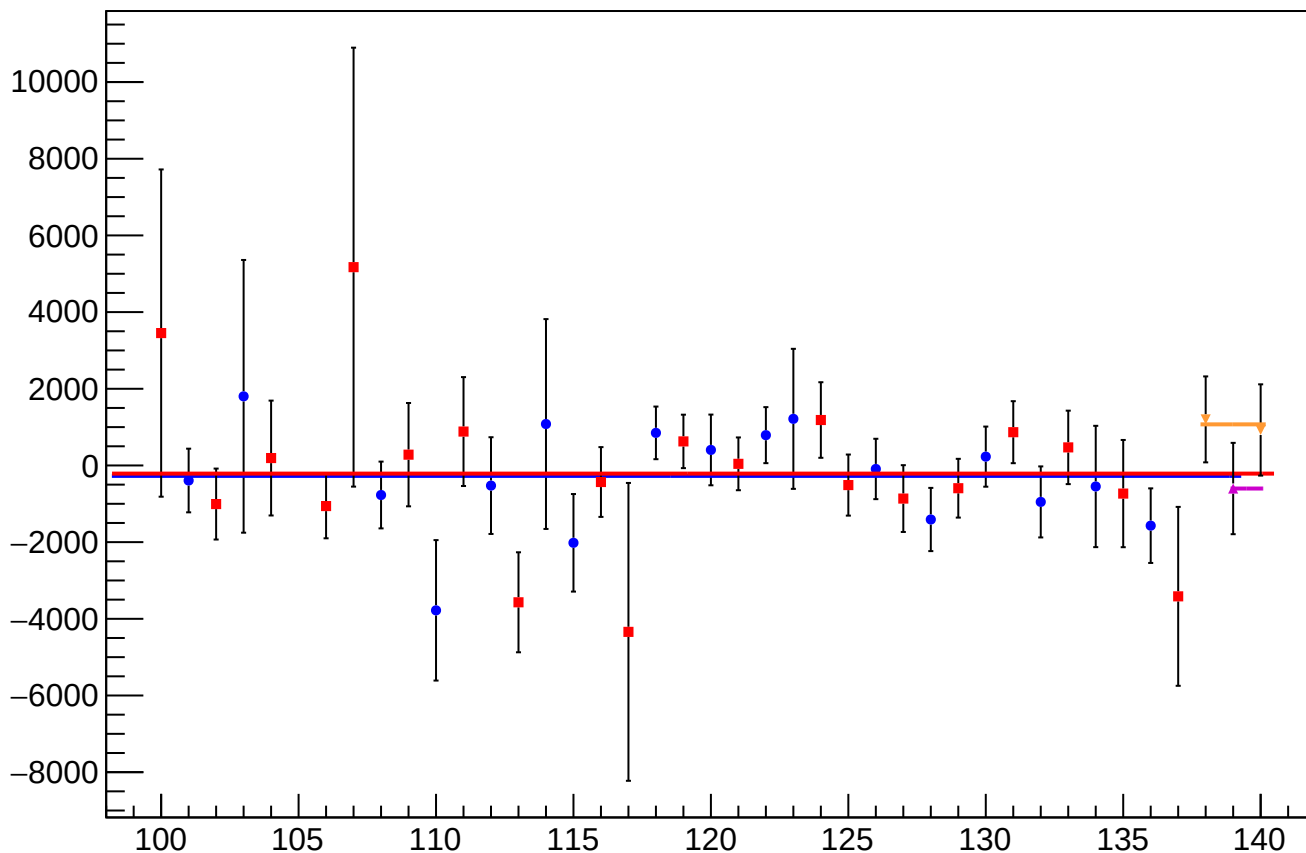
Left In: 1875.455+/-1.561 χ^2/NDF :0.0/0

1954.130+/-0.493 χ^2/NDF : 606257.6/18

1969.053+/-0.355 χ^2/NDF : 969406.7/39

1985.027+/-0.510 χ^2/NDF : 361254.6/20

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 1071.928+/-816.100 χ^2/NDF : 0.0/1

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

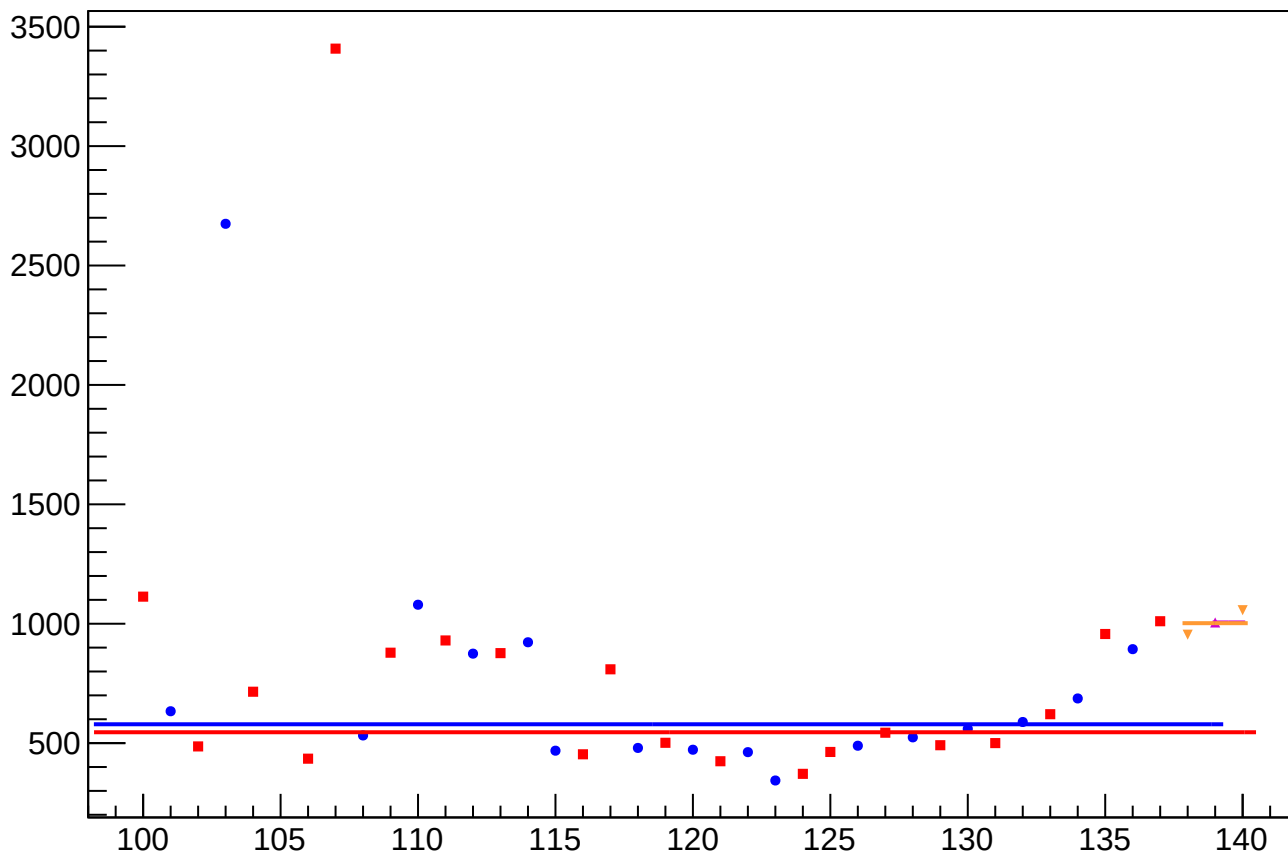
Left In: -601.883+/-1191.094 χ^2/NDF : 0.0/0

-164.639+/-230.439 χ^2/NDF : 19.7/18

-196.424+/-160.818 χ^2/NDF : 40.7/39

-226.603+/-224.539 χ^2/NDF : 21.0/20

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 579.010+/-0.170 χ^2/NDF : 1422148.6/16

Left Out: 1002.309+/-0.577 χ^2/NDF : 7862.4/1

Right Out: 545.590+/-0.162 χ^2/NDF : 1467038.8/19

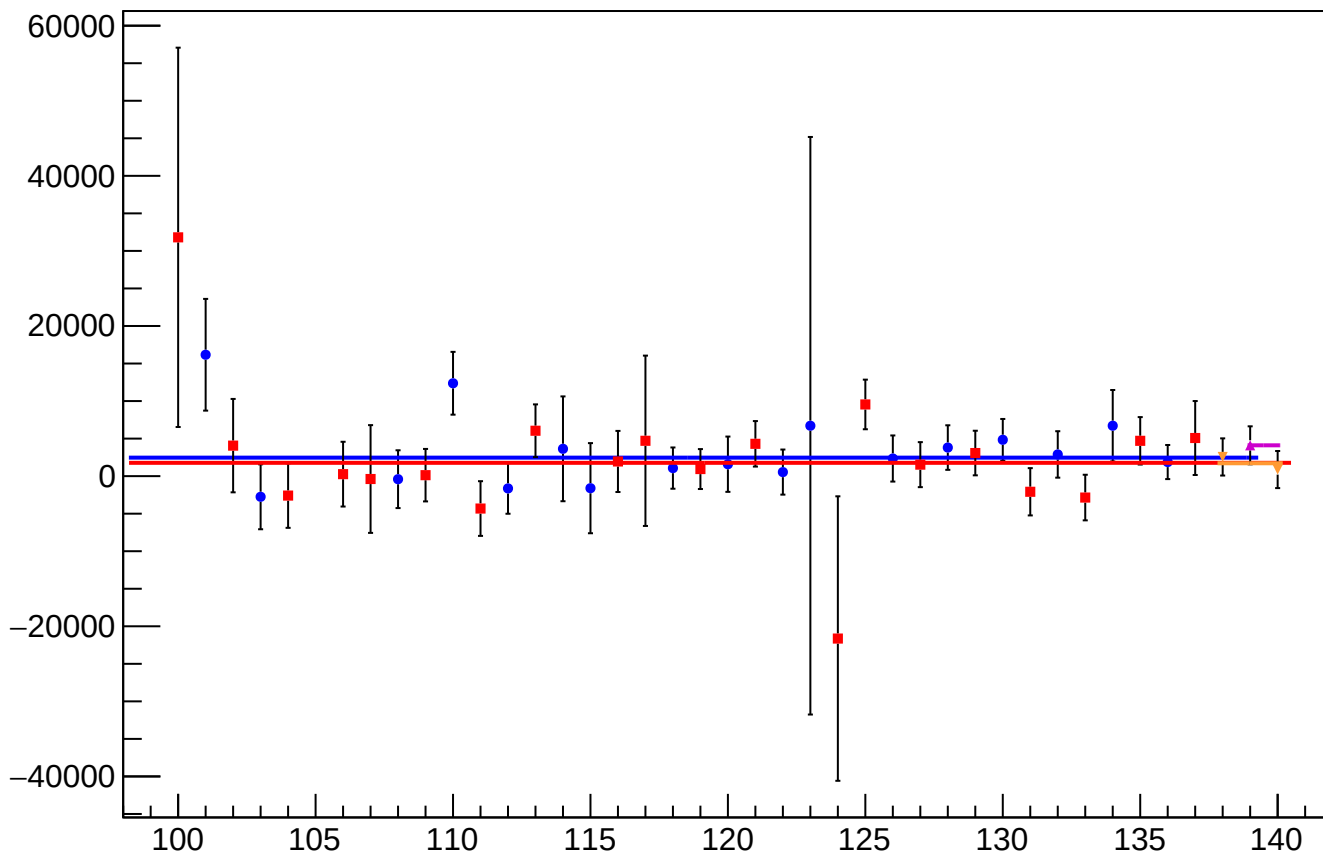
Left In: 1005.338+/-0.842 χ^2/NDF : 0.0/0

612.760+/-0.163 χ^2/NDF : 1925177.8/18

586.685+/-0.114 χ^2/NDF : 3729520.9/39

561.928+/-0.159 χ^2/NDF : 1754422.8/20

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 1714.336 $\pm$ 1748.506 χ^2 /NDF: 0.2/1

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

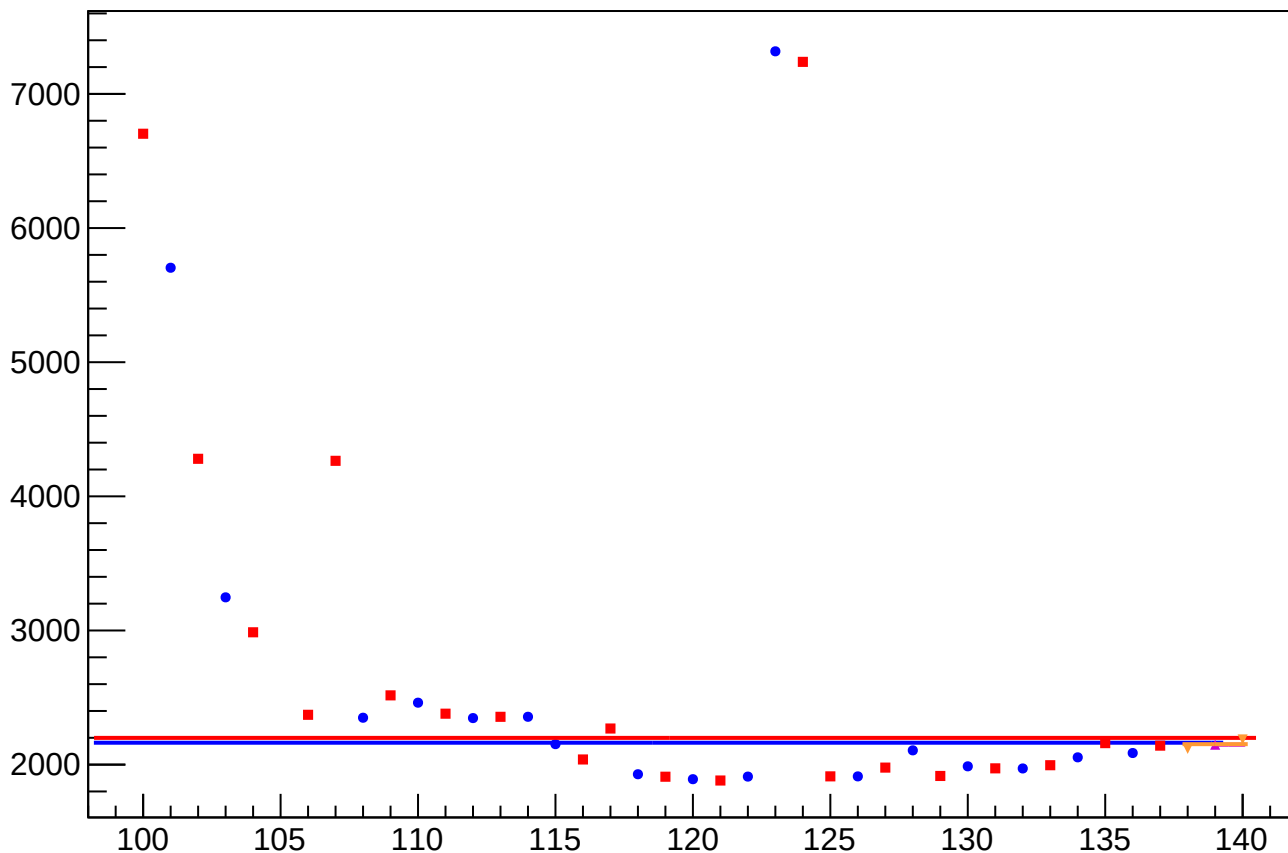
Left In: 4105.258 $\pm$ 2530.457 χ^2 /NDF: 0.0/0

2317.158 $\pm$ 774.015 χ^2 /NDF: 15.9/18

2170.024 $\pm$ 558.447 χ^2 /NDF: 37.3/39

2010.276 $\pm$ 806.513 χ^2 /NDF: 21.3/20

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2152.613+/-1.236 χ^2/NDF : 809.7/1

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

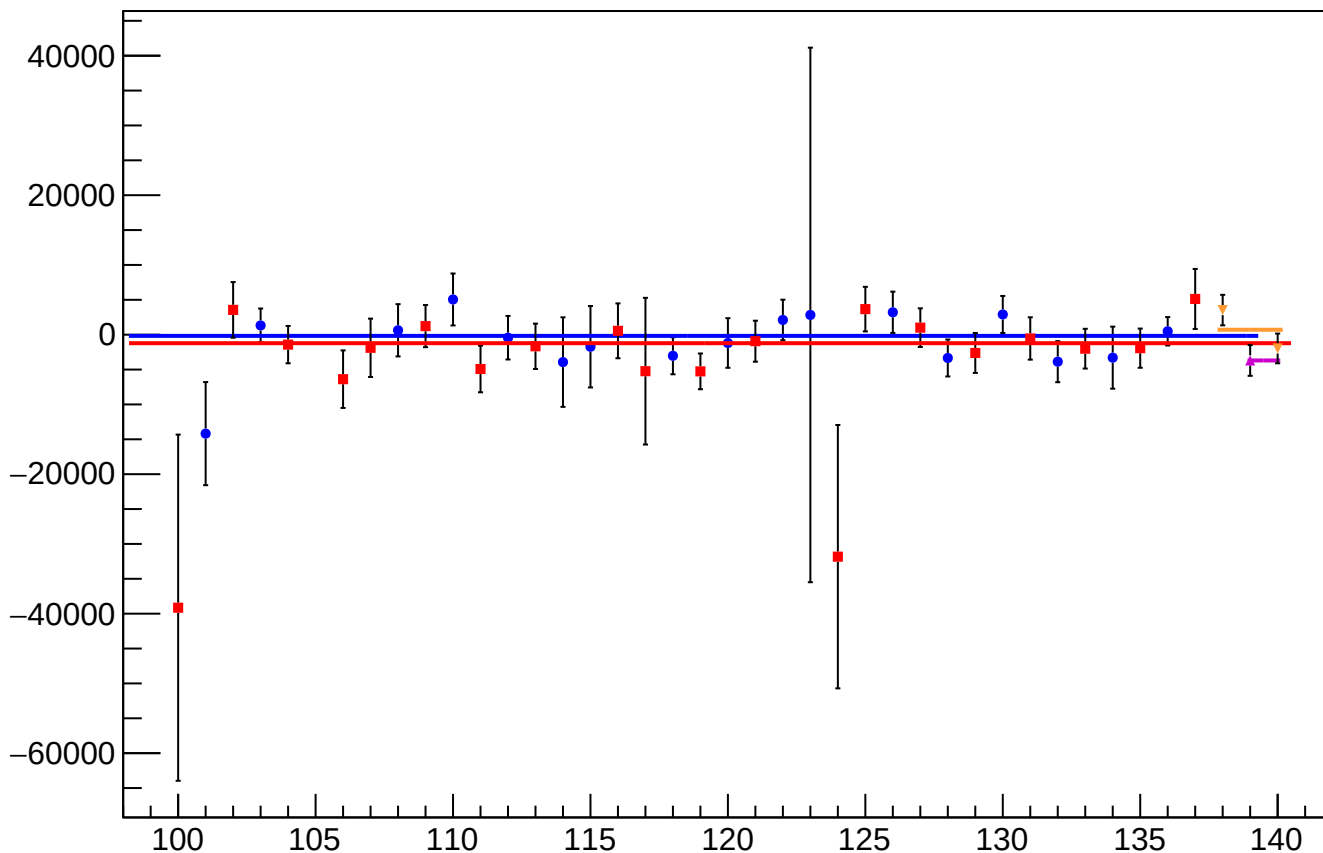
Left In: 2148.638+/-1.789 χ^2/NDF : 0.0/0

2161.208+/-0.547 χ^2/NDF : 710454.2/18

2177.046+/-0.395 χ^2/NDF : 1516297.2/39

2194.241+/-0.570 χ^2/NDF : 804096.4/20

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -170.351+/-782.384 χ^2/NDF : 14.5/16

Left Out: 708.878+/-1526.613 χ^2/NDF : 3.2/1

Right Out: -1218.753+/-762.243 χ^2/NDF : 18.3/19

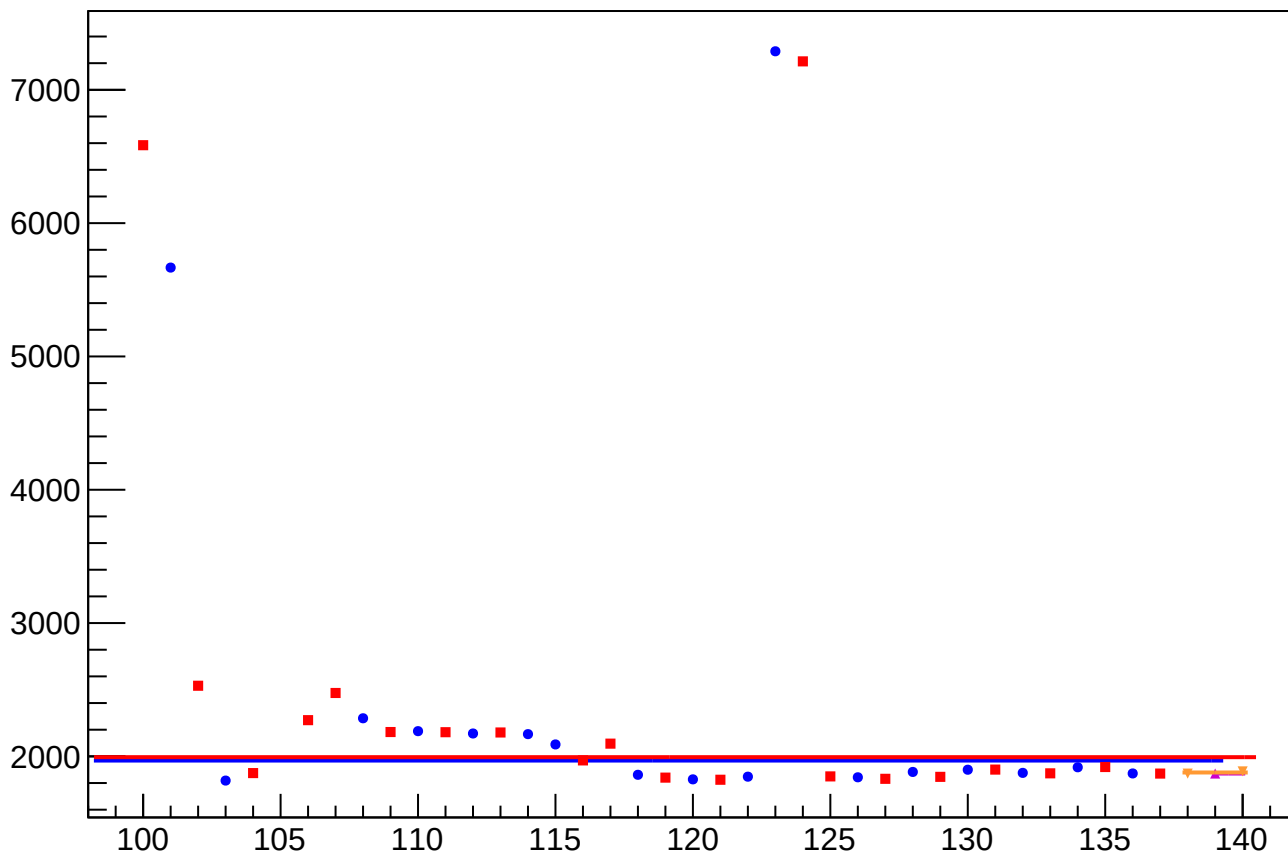
Left In: -3695.261+/-2202.097 χ^2/NDF : 0.0/0

12.543+/-696.271 χ^2/NDF : 18.0/18

-710.207+/-500.621 χ^2/NDF : 39.7/39

-1483.729+/-720.311 χ^2/NDF : 19.5/20

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632+/-0.553 χ^2/NDF : 602972.8/16

Left Out: 1879.081+/-1.079 χ^2/NDF : 59.3/1

Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

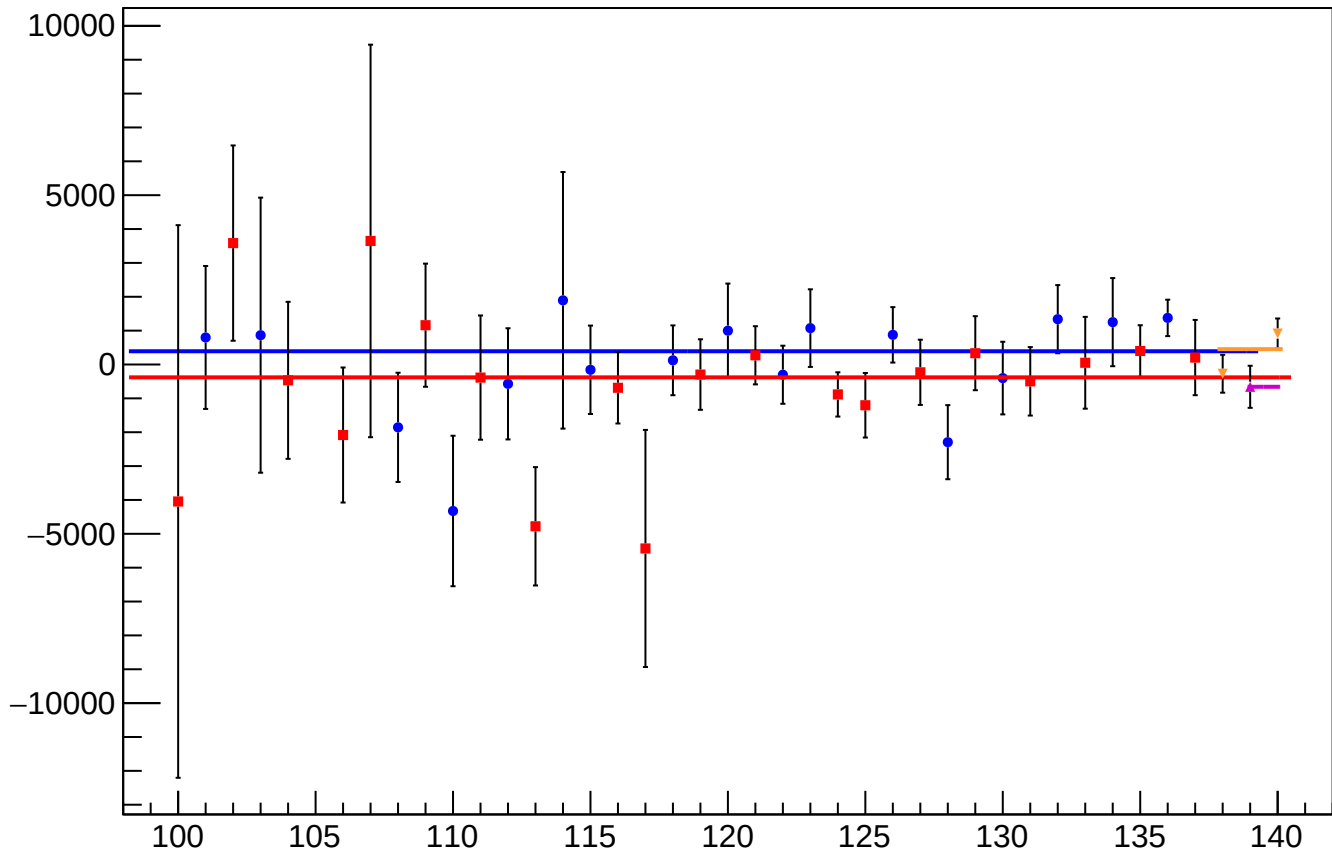
Left In: 1871.213+/-1.557 χ^2/NDF : 0.0/0

1950.004+/-0.492 χ^2/NDF : 608482.6/18

1964.891+/-0.354 χ^2/NDF : 972284.0/39

1980.824+/-0.509 χ^2/NDF : 361908.6/20

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923 $\pm$ 270.128 χ^2/NDF : 20.0/16

Left Out: 452.903 $\pm$ 348.331 χ^2/NDF : 2.8/1

Right Out: -379.833 $\pm$ 265.331 χ^2/NDF : 16.3/19

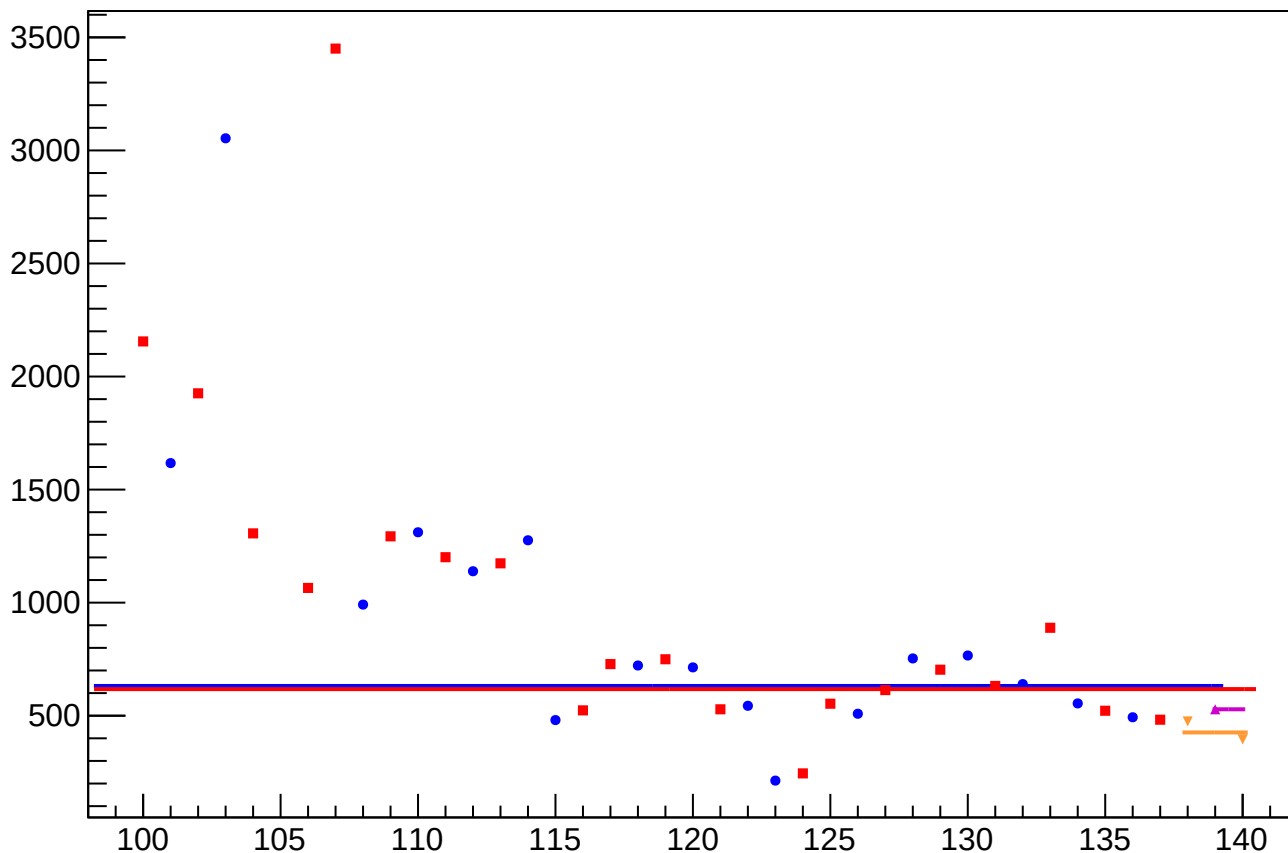
Left In: -658.462 $\pm$ 621.028 χ^2/NDF : 0.0/0

414.199 $\pm$ 213.462 χ^2/NDF : 22.8/18

51.298 $\pm$ 160.658 χ^2/NDF : 46.0/39

-422.842 $\pm$ 243.995 χ^2/NDF : 16.5/20

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430+/-0.191 χ^2/NDF : 2260692.7/16

Left Out: 425.975+/-0.246 χ^2/NDF : 24740.6/1

Right Out: 617.675+/-0.188 χ^2/NDF : 2804158.4/19

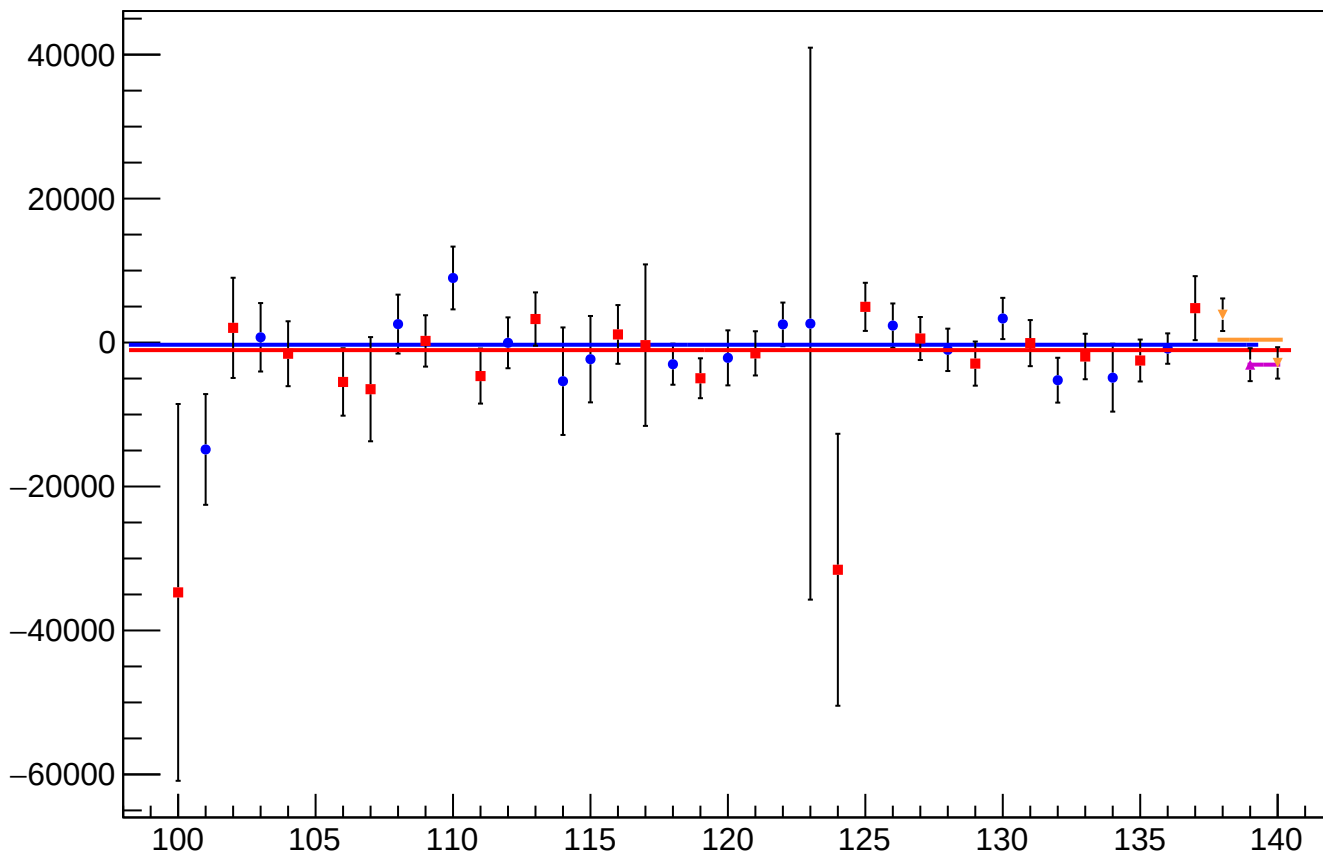
Left In: 528.382+/-0.439 χ^2/NDF : 0.0/0

554.273+/-0.151 χ^2/NDF : 2719922.3/18

575.785+/-0.114 χ^2/NDF : 5605895.4/39

603.891+/-0.173 χ^2/NDF : 2839122.5/20

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -305.713+/-871.922 χ^2 /NDF: 17.2/16

Left Out: 396.382+/-1570.896 χ^2 /NDF: 4.5/1

Right Out: -1052.718+/-864.863 χ^2 /NDF: 16.6/19

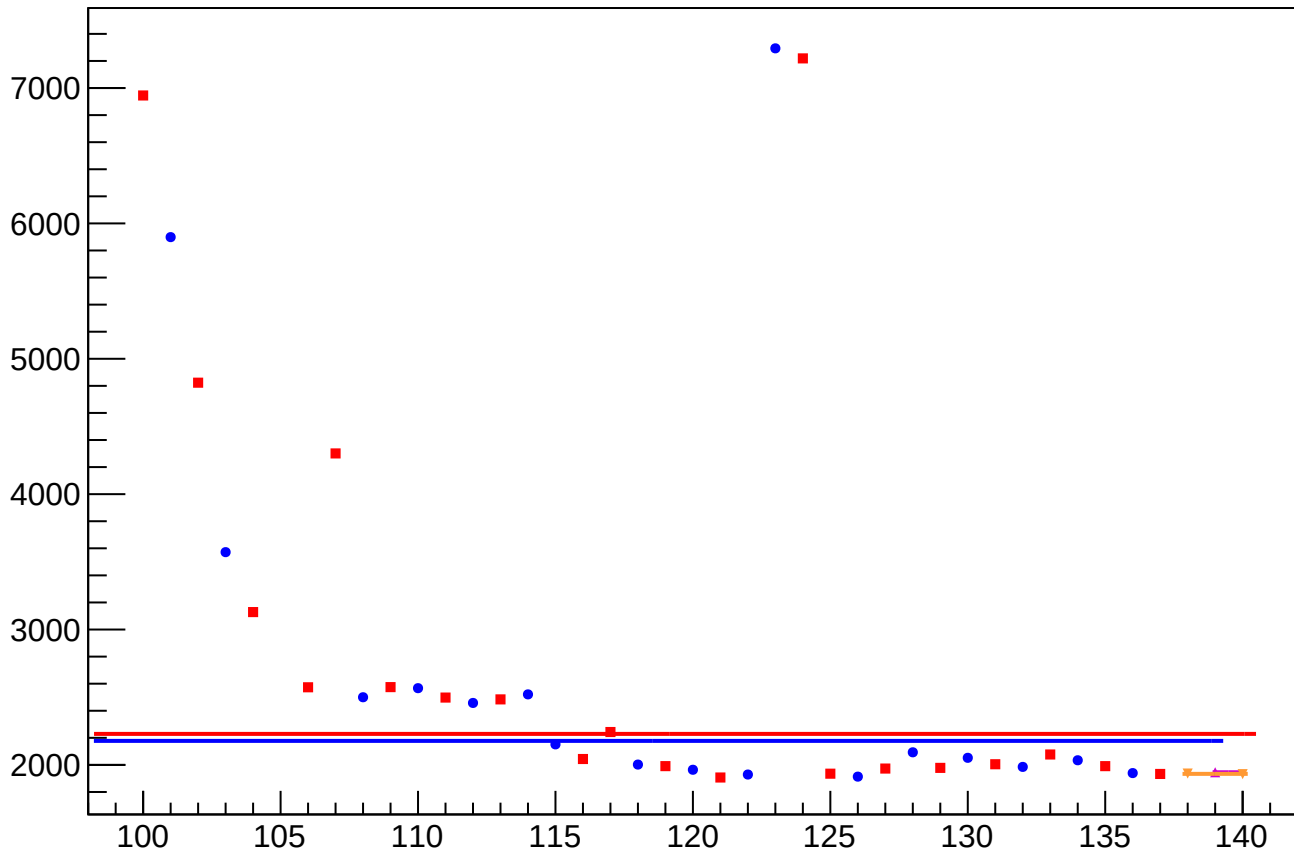
Left In: -3070.890+/-2289.547 χ^2 /NDF: 0.0/0

-140.356+/-762.361 χ^2 /NDF: 21.8/18

-687.969+/-554.847 χ^2 /NDF: 40.3/39

-1304.733+/-809.065 χ^2 /NDF: 17.3/20

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446 $\pm$ 0.617 χ^2 /NDF: 802836.7/16

Left Out: 1933.868 $\pm$ 1.111 χ^2 /NDF: 4.1/1

Right Out: 2229.096 $\pm$ 0.612 χ^2 /NDF: 895812.2/19

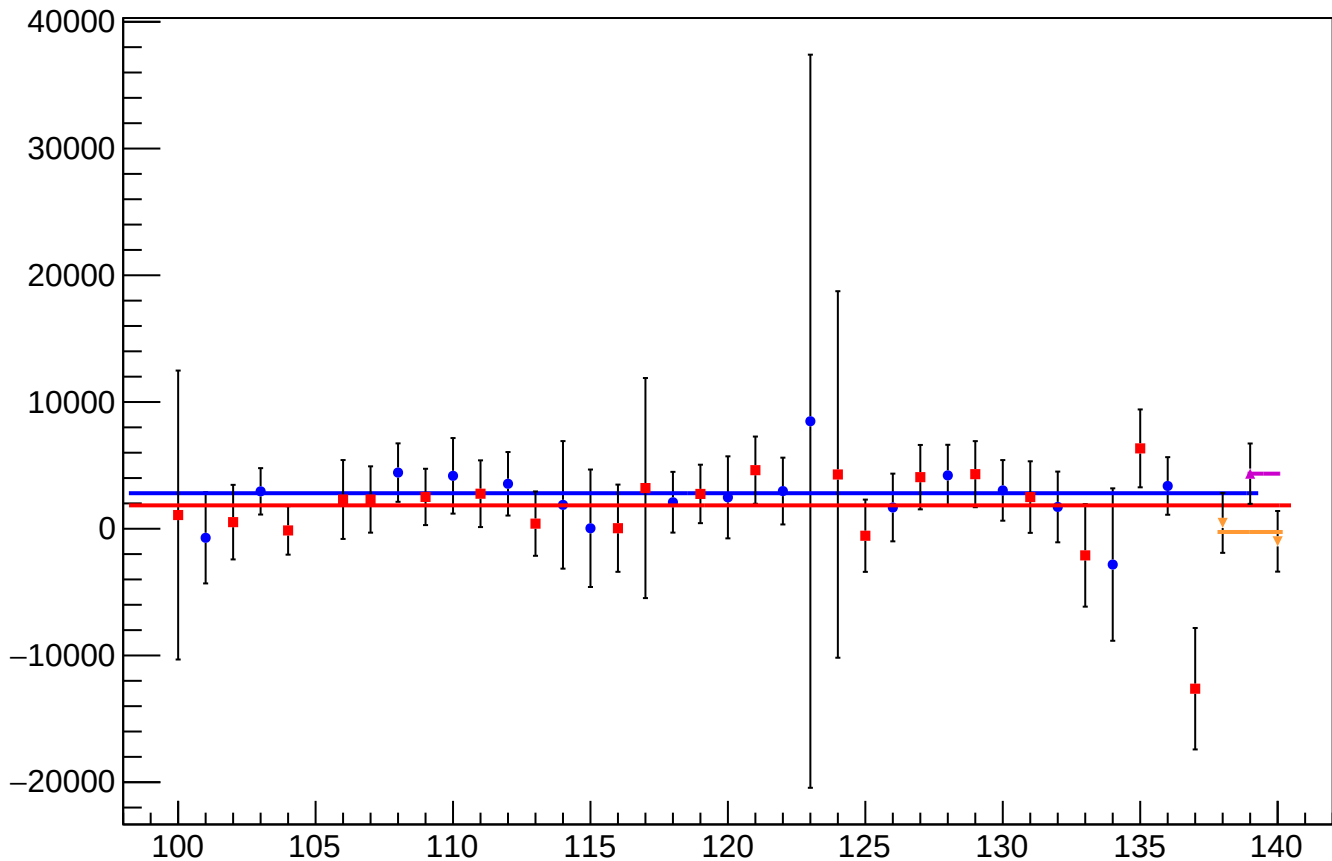
Left In: 1945.701 $\pm$ 1.619 χ^2 /NDF: 0.0/0

2120.079 $\pm$ 0.539 χ^2 /NDF: 839600.9/18

2154.707 $\pm$ 0.392 χ^2 /NDF: 1771002.6/39

2193.708 $\pm$ 0.572 χ^2 /NDF: 922627.9/20

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: -255.876 $\pm$ 1681.634 χ^2 /NDF: 0.2/1

Right Out: 1844.945 $\pm$ 653.448 χ^2 /NDF: 18.1/19

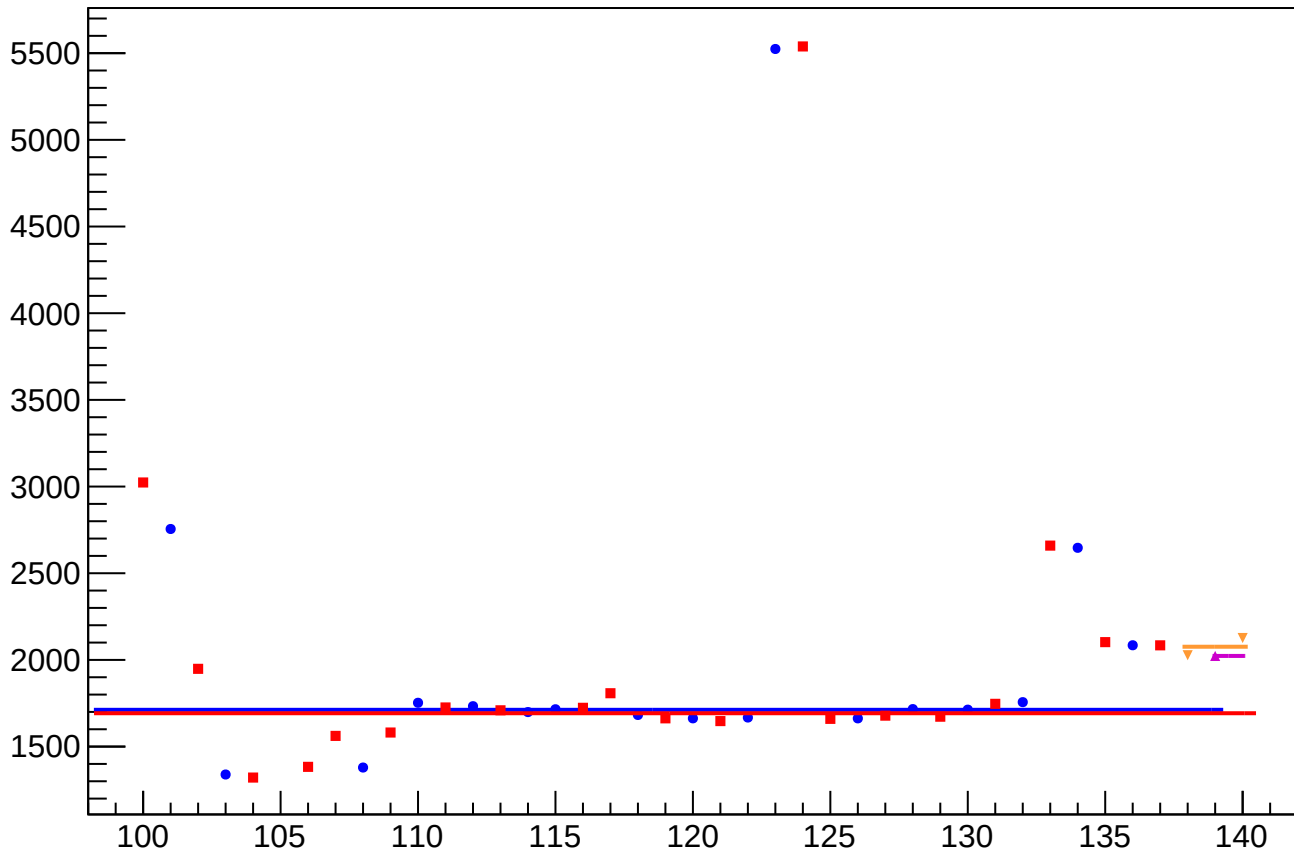
Left In: 4346.003 $\pm$ 2380.746 χ^2 /NDF: 0.0/0

2375.487 $\pm$ 629.253 χ^2 /NDF: 6.9/18

2198.076 $\pm$ 445.263 χ^2 /NDF: 26.2/39

2020.162 $\pm$ 630.143 χ^2 /NDF: 19.1/20

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 2076.045+/-1.189 χ^2/NDF : 1746.4/1

Right Out: 1692.404+/-0.462 χ^2/NDF : 455277.5/19

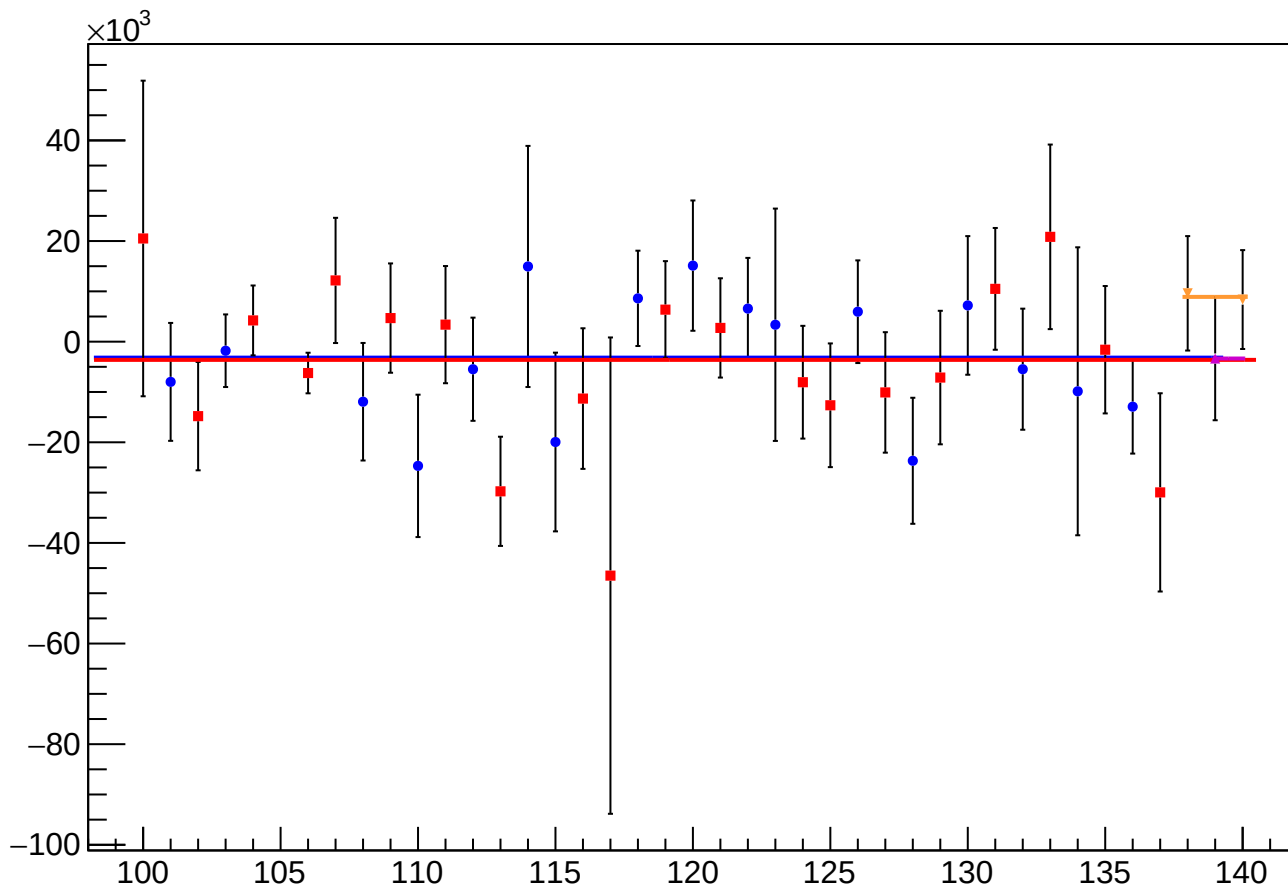
Left In: 2022.971+/-1.683 χ^2/NDF : 0.0/0

1763.105+/-0.445 χ^2/NDF : 514762.3/18

1739.367+/-0.315 χ^2/NDF : 1011597.8/39

1715.562+/-0.446 χ^2/NDF : 491135.0/20

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245+/-2851.982 χ^2 /NDF: 14.4/16

Left Out: 8899.319+/-7435.005 χ^2 /NDF: 0.0/1

Right Out: -3618.416+/-2263.938 χ^2 /NDF: 20.3/19

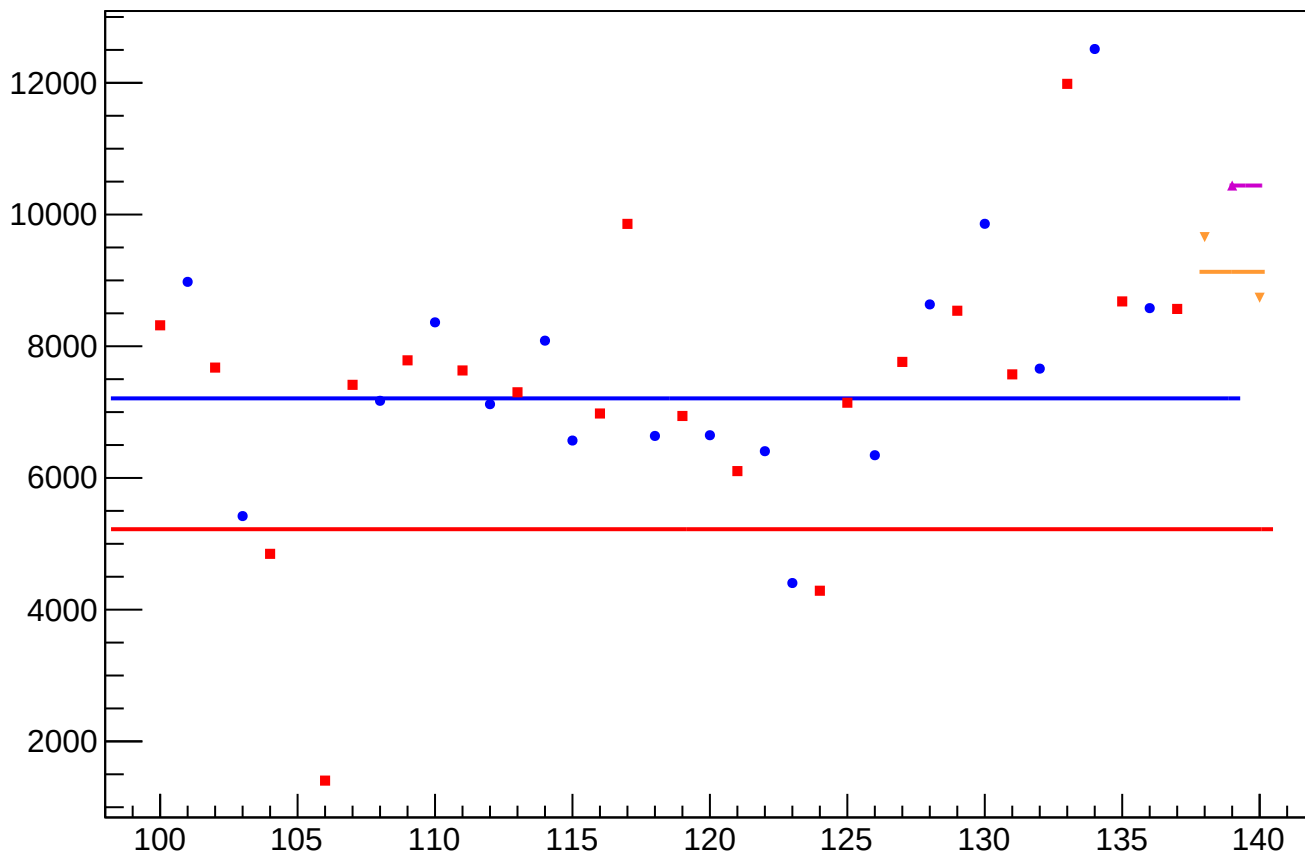
Left In: -3350.045+/-12267.962 χ^2 /NDF: 0.0/0

-1624.735+/-2662.800 χ^2 /NDF: 16.7/18

-2792.942+/-1708.007 χ^2 /NDF: 37.4/39

-3609.578+/-2226.346 χ^2 /NDF: 20.3/20

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 9130.208+/-5.257 χ^2/NDF : 7496.7/1

Right Out: 5221.816+/-1.601 χ^2/NDF : 3216100.5/19

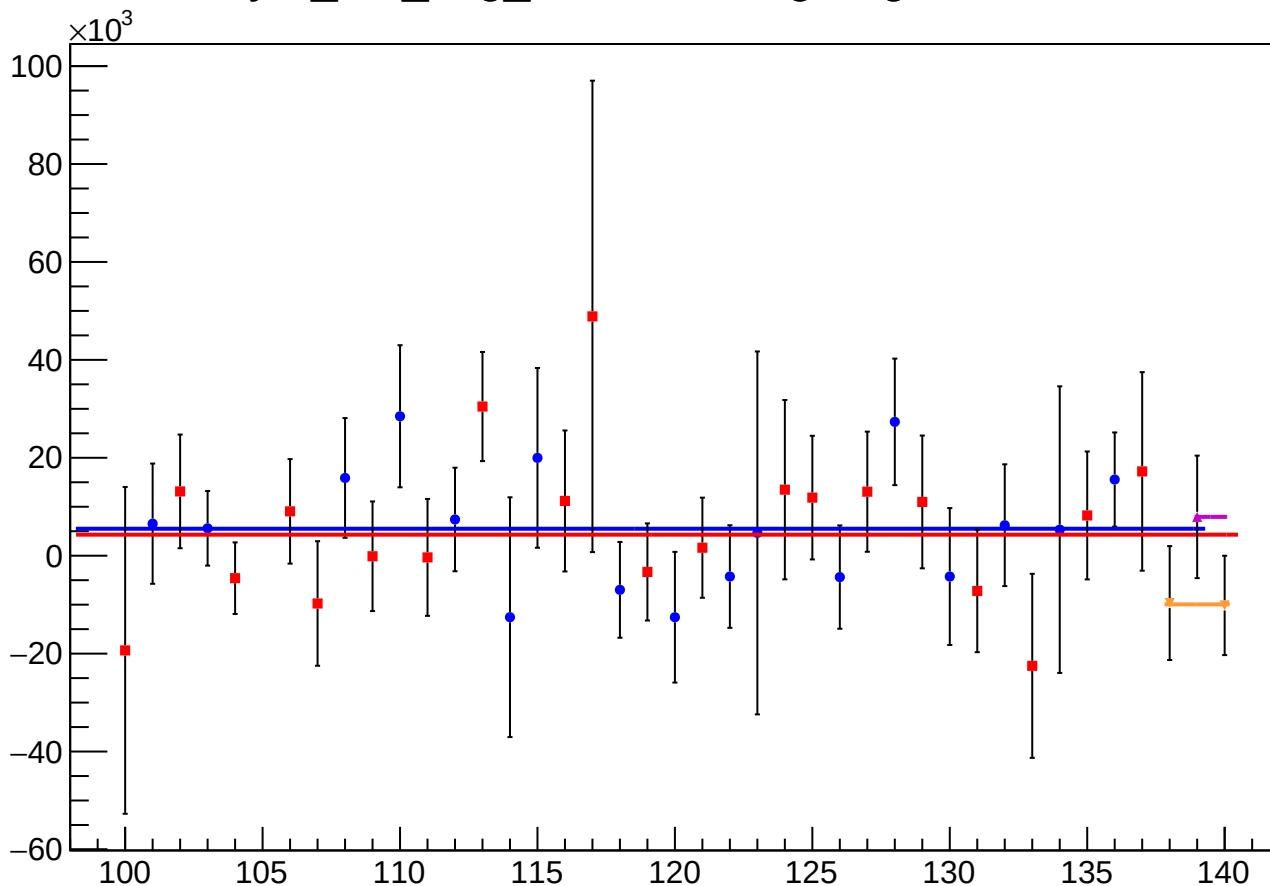
Left In: 10440.672+/-8.675 χ^2/NDF : 0.0/0

7455.050+/-1.883 χ^2/NDF : 593263.7/18

6241.809+/-1.208 χ^2/NDF : 4864813.1/39

5393.692+/-1.574 χ^2/NDF : 3566119.9/20

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: -9942.653 $\pm$ 7647.280 χ^2 /NDF: 0.0/1

Right Out: 4295.824 $\pm$ 2785.538 χ^2 /NDF: 16.3/19

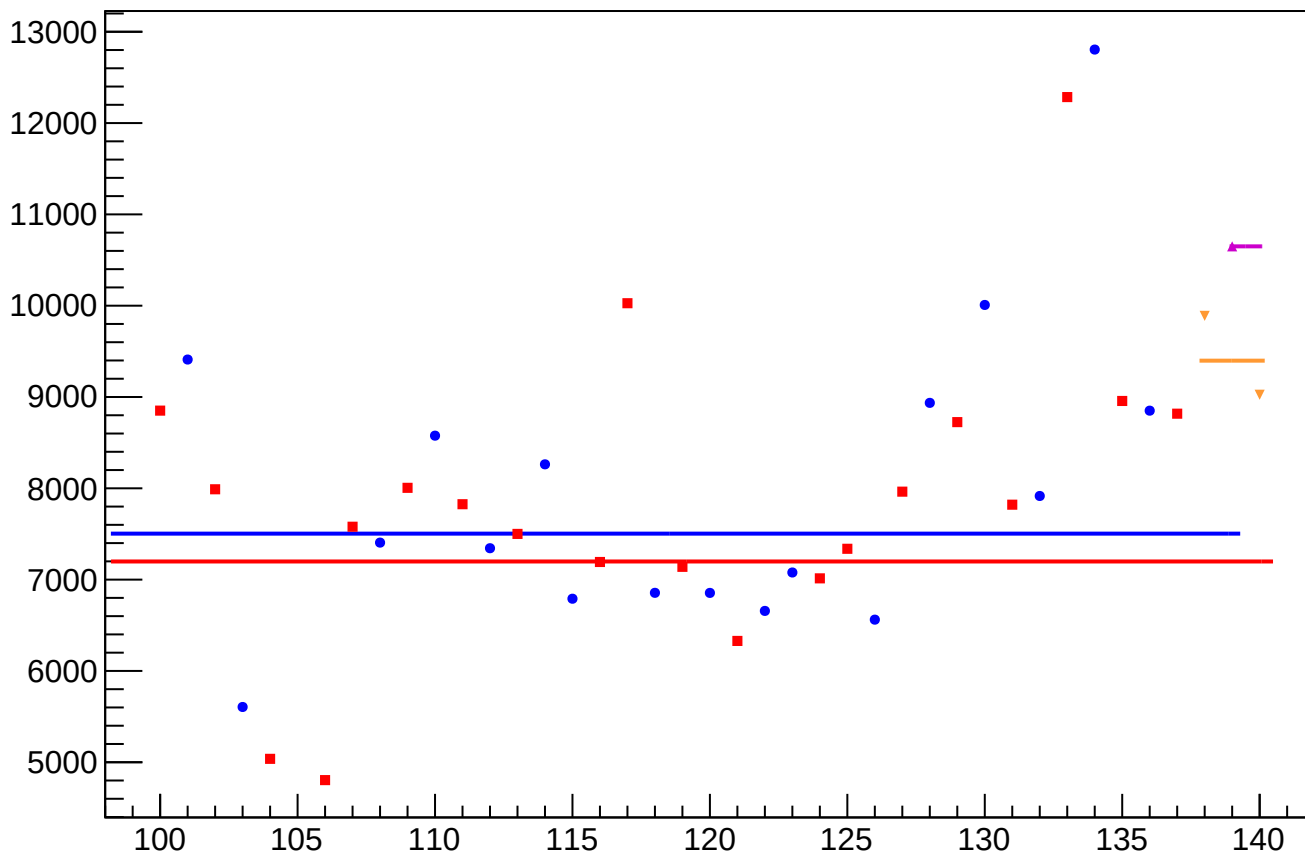
Left In: 7929.611 $\pm$ 12513.148 χ^2 /NDF: 0.0/0

3482.949 $\pm$ 2769.373 χ^2 /NDF: 17.6/18

3984.209 $\pm$ 1940.182 χ^2 /NDF: 34.0/39

4467.393 $\pm$ 2718.983 χ^2 /NDF: 16.4/20

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 $\pm$ 2.101 χ^2/NDF : 427313.5/16

Left Out: 9398.007 $\pm$ 5.407 χ^2/NDF : 6261.5/1

Right Out: 7198.728 $\pm$ 1.969 χ^2/NDF : 564629.1/19

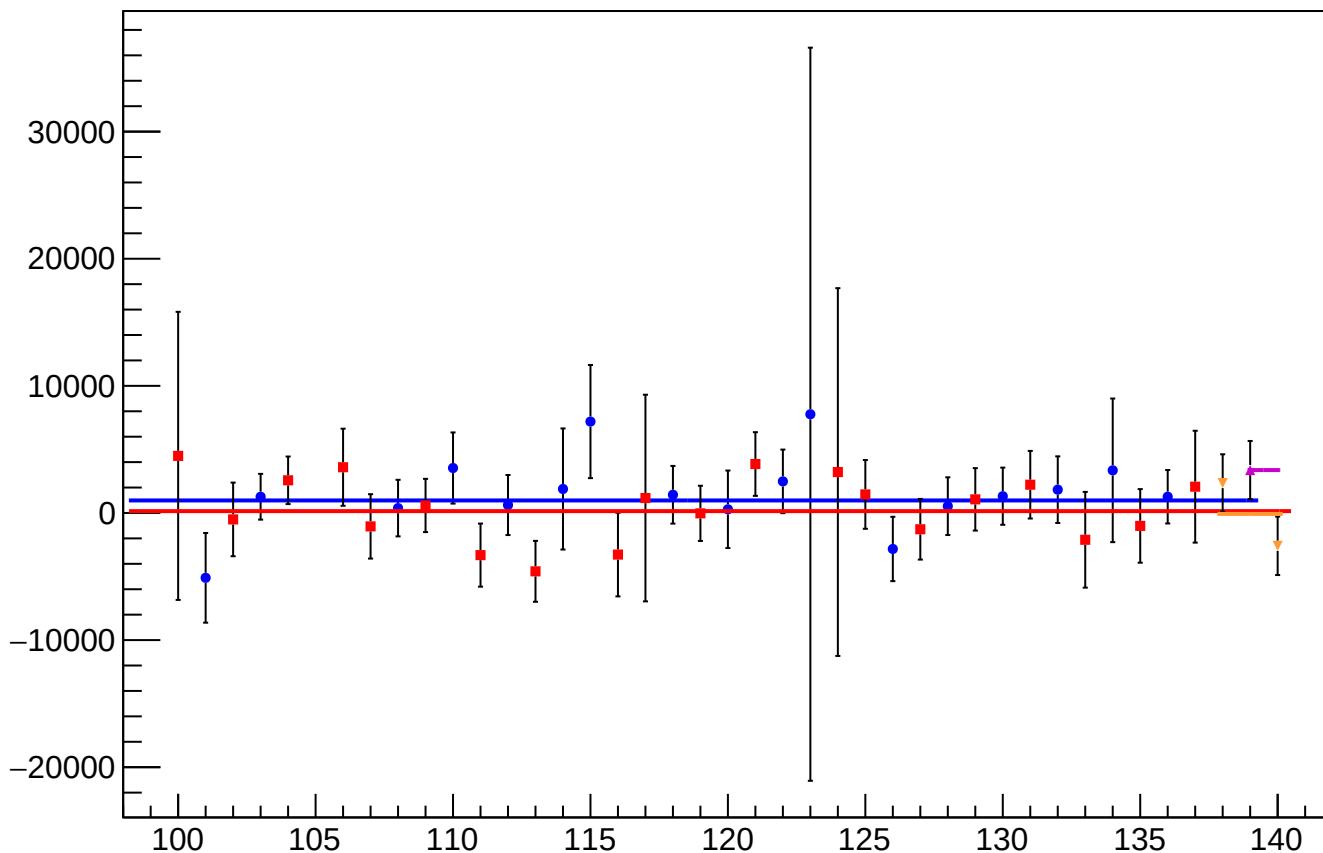
Left In: 10649.812 $\pm$ 8.848 χ^2/NDF : 0.0/0

7752.087 $\pm$ 1.958 χ^2/NDF : 540205.7/18

7553.256 $\pm$ 1.372 χ^2/NDF : 1270027.6/39

7361.632 $\pm$ 1.922 χ^2/NDF : 709575.6/20

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452 $\pm$ 644.630 χ^2 /NDF: 9.1/16

Left Out: -75.166 $\pm$ 1612.511 χ^2 /NDF: 2.3/1

Right Out: 144.683 $\pm$ 621.728 χ^2 /NDF: 14.7/19

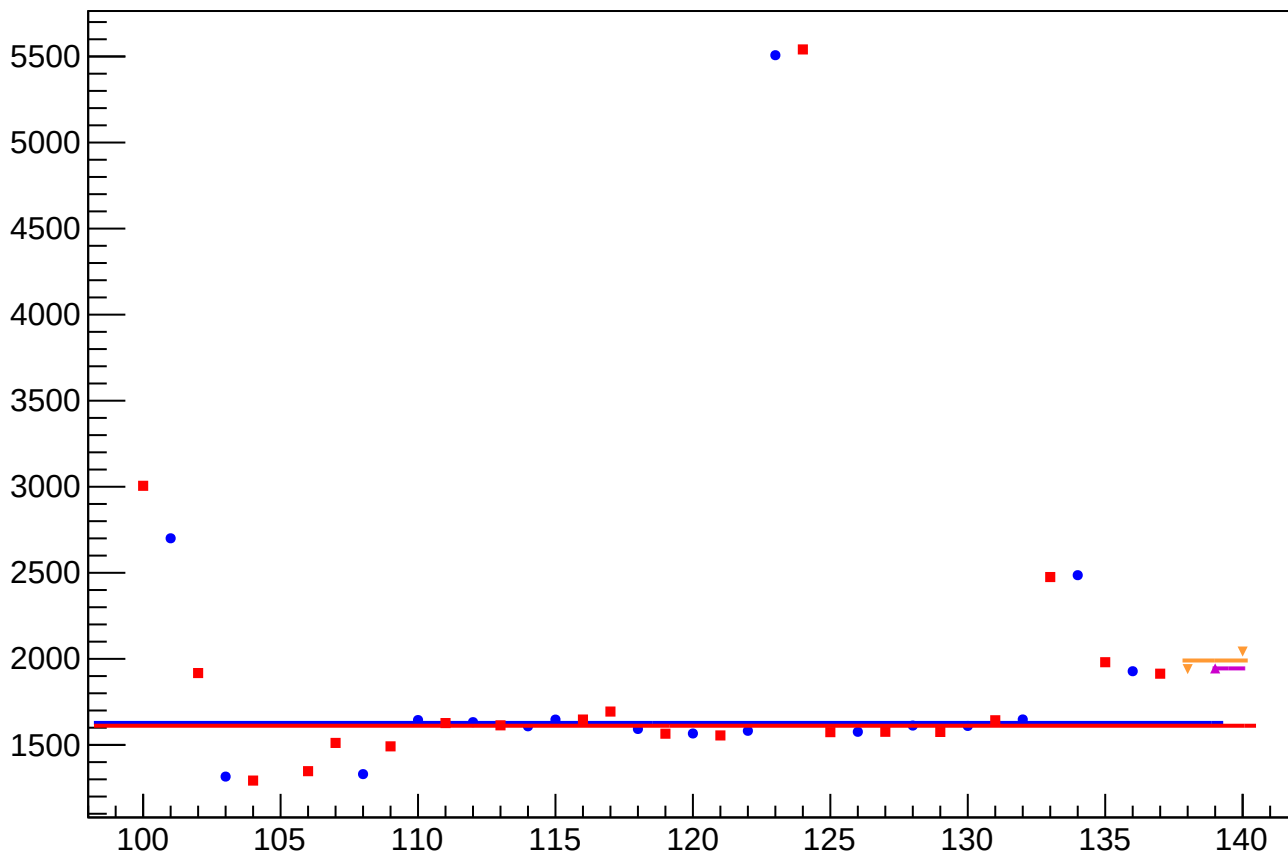
Left In: 3375.342 $\pm$ 2288.464 χ^2 /NDF: 0.0/0

839.306 $\pm$ 598.572 χ^2 /NDF: 11.8/18

603.581 $\pm$ 423.751 χ^2 /NDF: 28.6/39

366.746 $\pm$ 599.980 χ^2 /NDF: 16.5/20

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836+/-0.456 χ^2/NDF : 407106.6/16

Left Out: 1990.509+/-1.140 χ^2/NDF : 2001.5/1

Right Out: 1611.433+/-0.440 χ^2/NDF : 434167.6/19

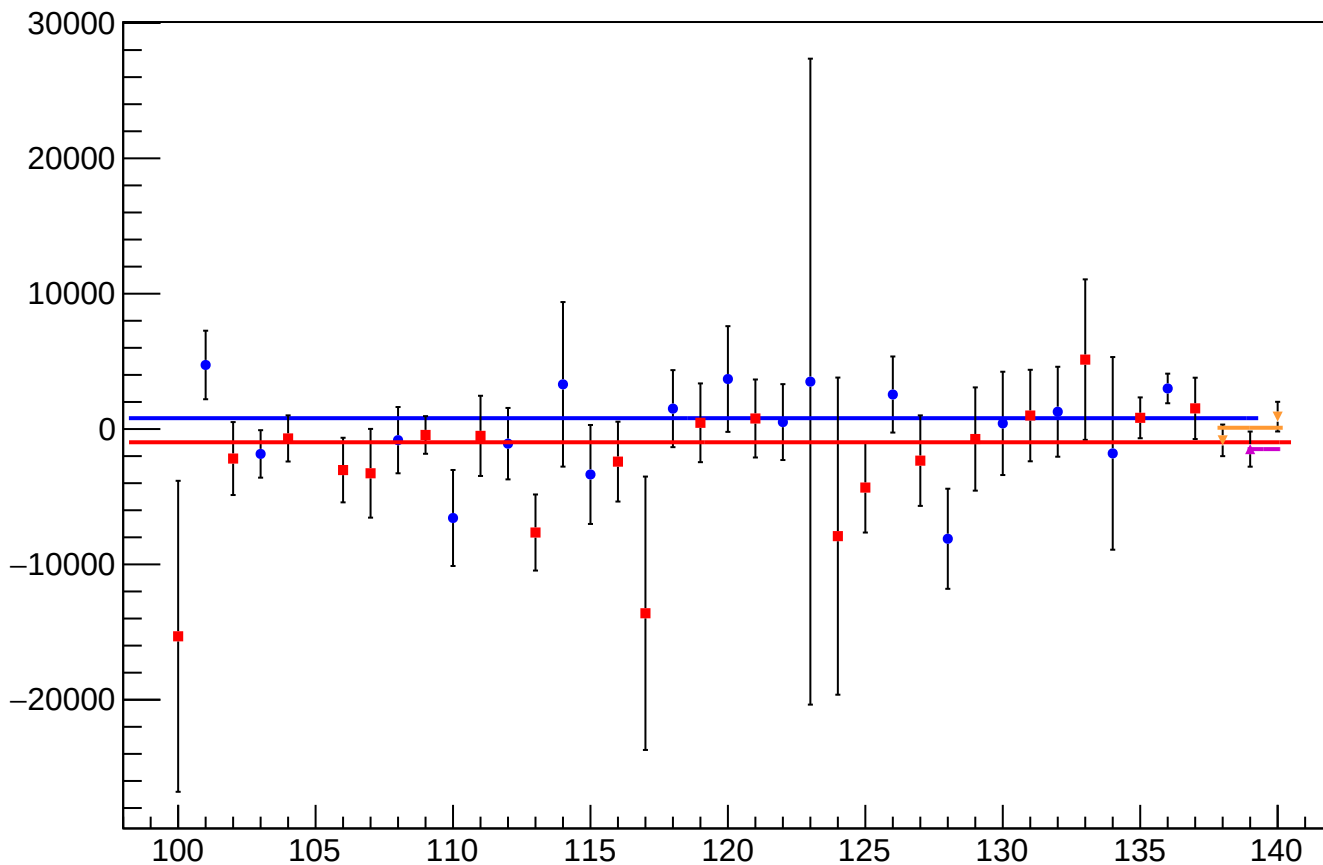
Left In: 1944.538+/-1.618 χ^2/NDF : 0.0/0

1677.810+/-0.423 χ^2/NDF : 496338.2/18

1656.121+/-0.300 χ^2/NDF : 975231.8/39

1634.330+/-0.424 χ^2/NDF : 473629.4/20

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 95.014 $\pm$ 798.854 χ^2 /NDF:1.2/1

Right Out: -976.725 $\pm$ 588.724 χ^2 /NDF: 16.8/19

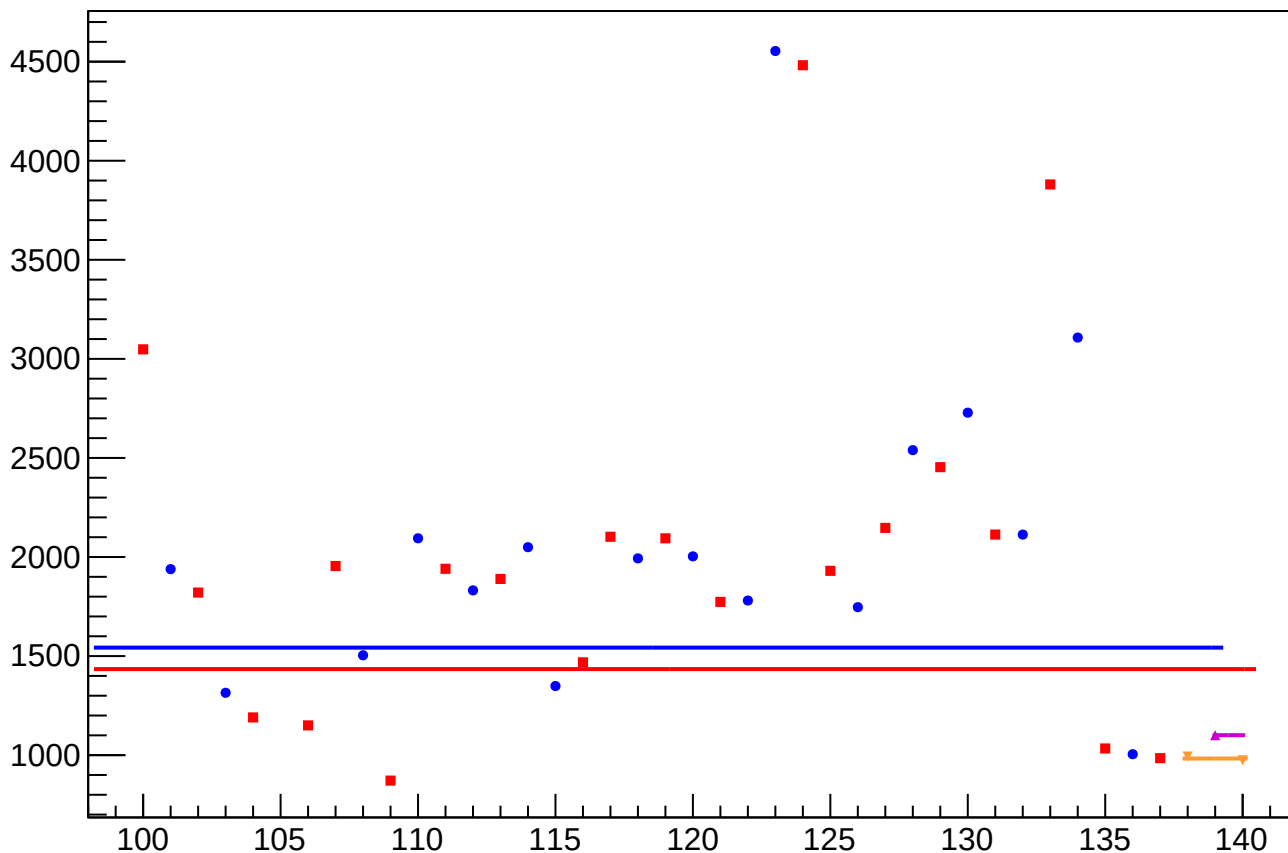
Left In: -1482.779 $\pm$ 1298.090 χ^2 /NDF:0.0/0

530.660 $\pm$ 495.489 χ^2 /NDF: 24.1/18

-203.468 $\pm$ 363.893 χ^2 /NDF: 45.8/39

-1063.057 $\pm$ 536.159 χ^2 /NDF: 16.9/20

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705+/-0.447 χ^2/NDF : 1287946.3/16

Left Out: 982.928+/-0.565 χ^2/NDF : 277.0/1

Right Out: 1434.290+/-0.416 χ^2/NDF : 1832587.0/19

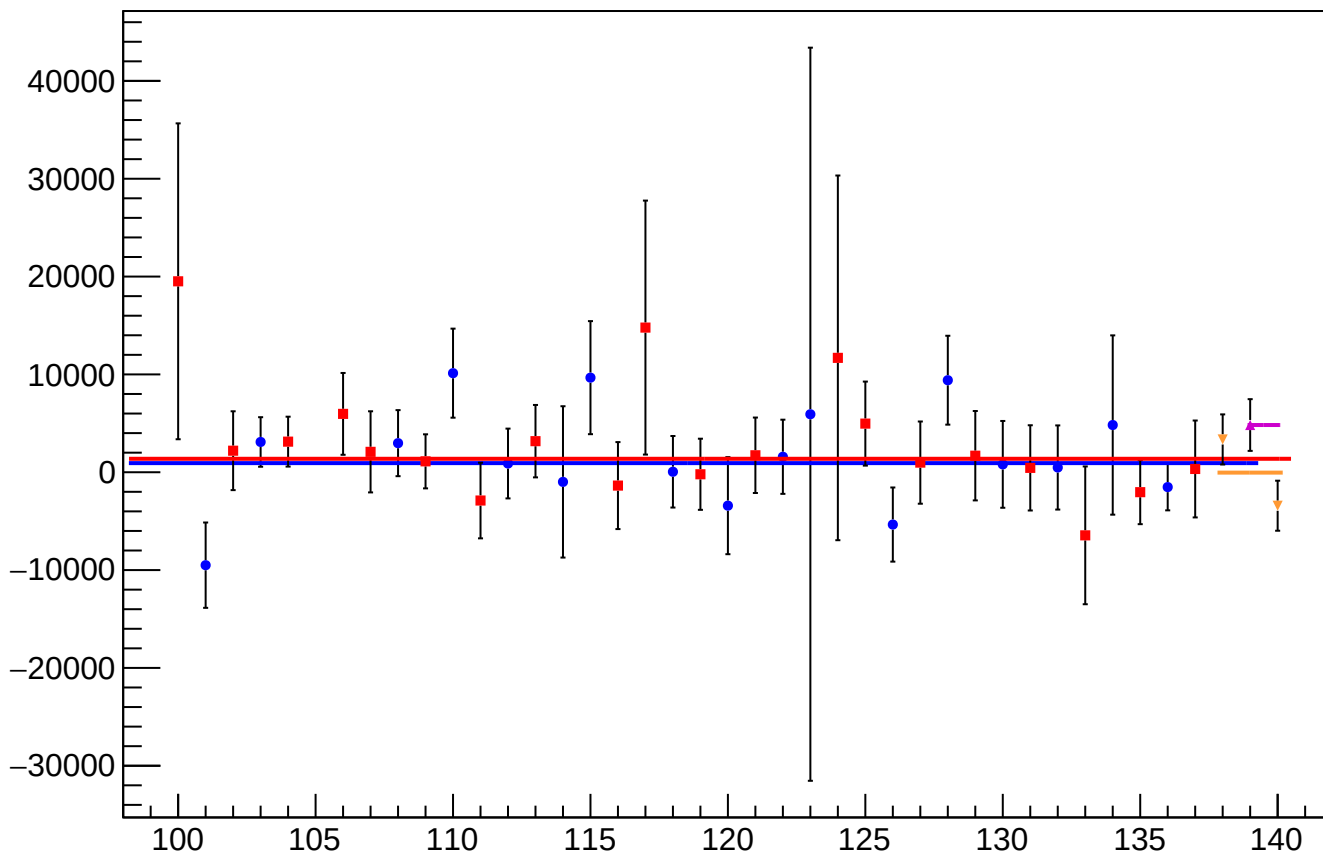
Left In: 1100.800+/-0.918 χ^2/NDF : 0.0/0

1327.353+/-0.350 χ^2/NDF : 1892456.4/18

1350.405+/-0.257 χ^2/NDF : 3843925.5/39

1377.397+/-0.379 χ^2/NDF : 1942071.3/20

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818+/-967.941 χ^2/NDF : 21.6/16

Left Out: -37.697+/-1808.937 χ^2/NDF : 3.5/1

Right Out: 1375.966+/-923.072 χ^2/NDF : 9.6/19

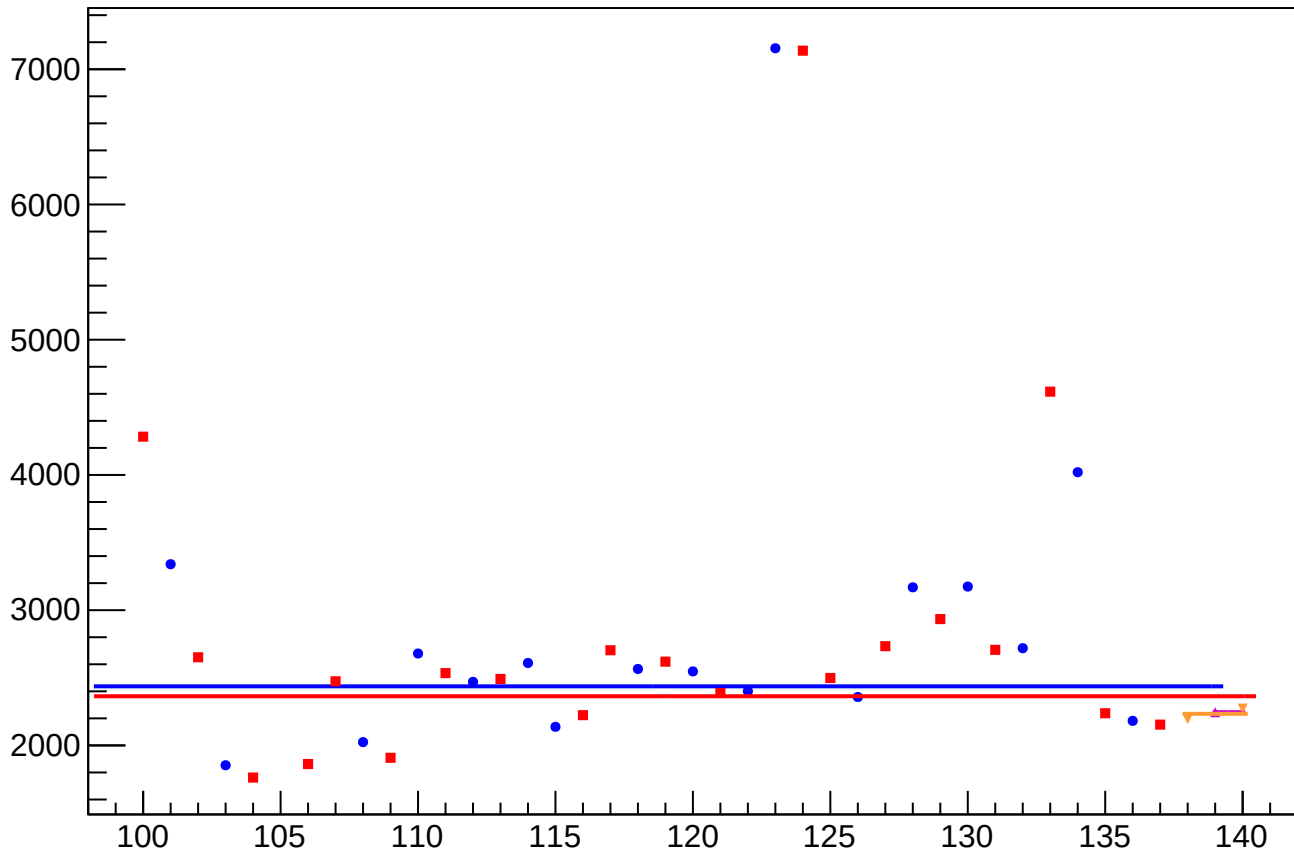
Left In: 4826.757+/-2643.077 χ^2/NDF : 0.0/0

716.793+/-853.443 χ^2/NDF : 25.3/18

1223.148+/-609.744 χ^2/NDF : 37.1/39

1751.103+/-871.455 χ^2/NDF : 11.1/20

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855 $\pm$ 0.684 χ^2/NDF : 469030.2/16

Left Out: 2233.535 $\pm$ 1.279 χ^2/NDF : 914.6/1

Right Out: 2363.609 $\pm$ 0.653 χ^2/NDF : 657228.5/19

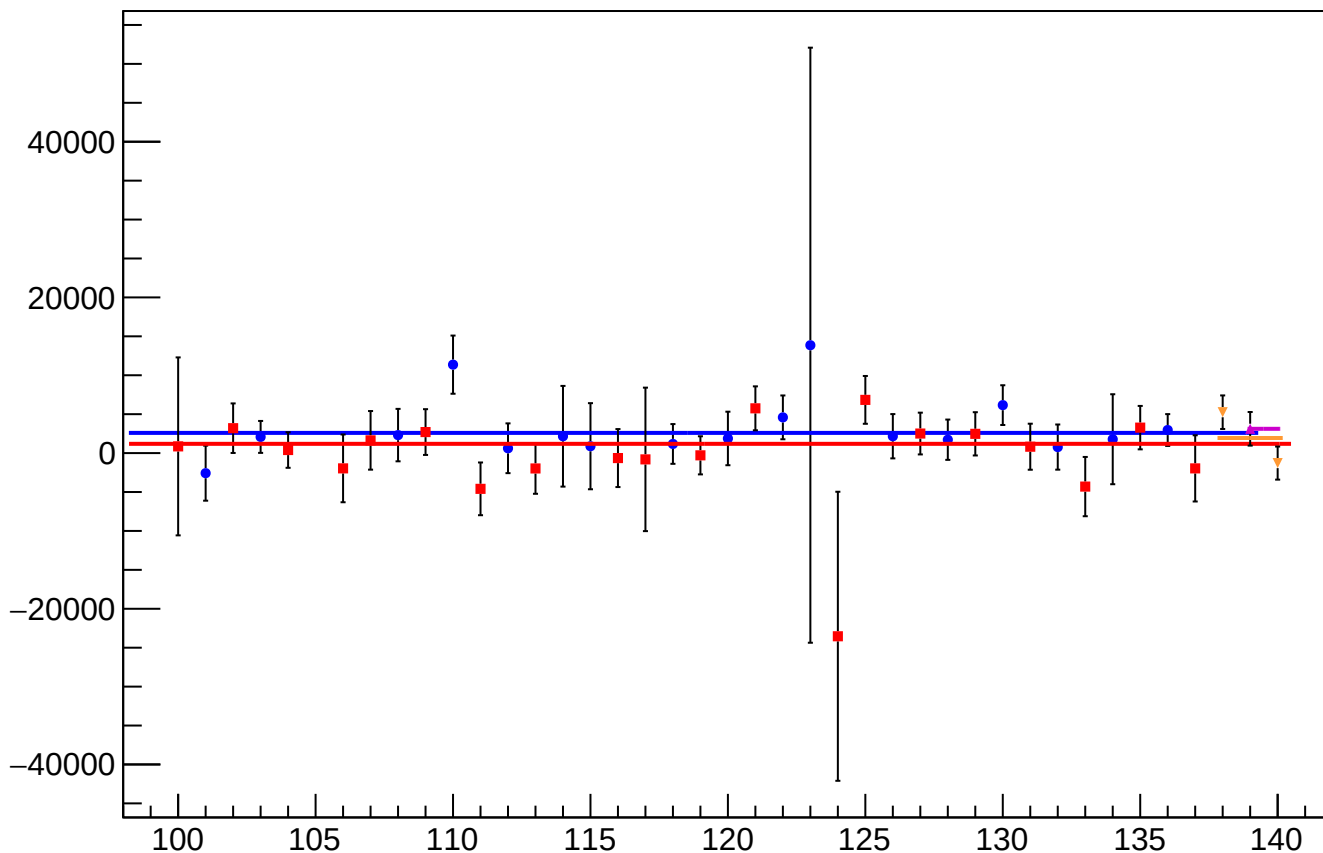
Left In: 2245.641 $\pm$ 1.869 χ^2/NDF : 0.0/0

2391.599 $\pm$ 0.603 χ^2/NDF : 489587.2/18

2371.618 $\pm$ 0.431 χ^2/NDF : 1152606.0/39

2350.785 $\pm$ 0.616 χ^2/NDF : 660779.7/20

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1937.946 $\pm$ 1513.053 χ^2 /NDF: 4.7/1

Right Out: 1189.680 $\pm$ 737.247 χ^2 /NDF: 17.3/19

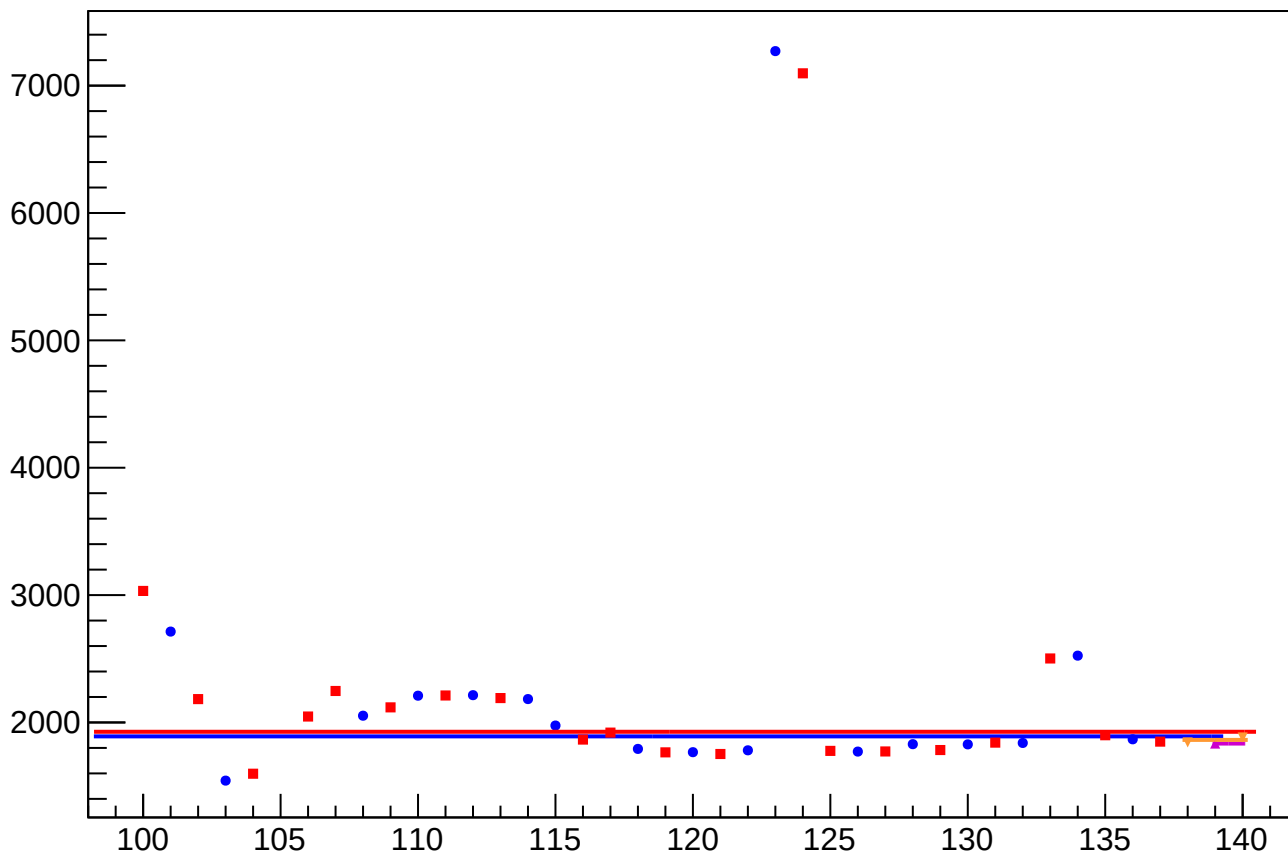
Left In: 3119.470 $\pm$ 2158.936 χ^2 /NDF: 0.0/0

2467.087 $\pm$ 666.927 χ^2 /NDF: 16.5/18

1953.392 $\pm$ 482.097 χ^2 /NDF: 35.7/39

1391.217 $\pm$ 697.689 χ^2 /NDF: 18.0/20

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1863.010+/-1.070 χ^2/NDF : 331.2/1

Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

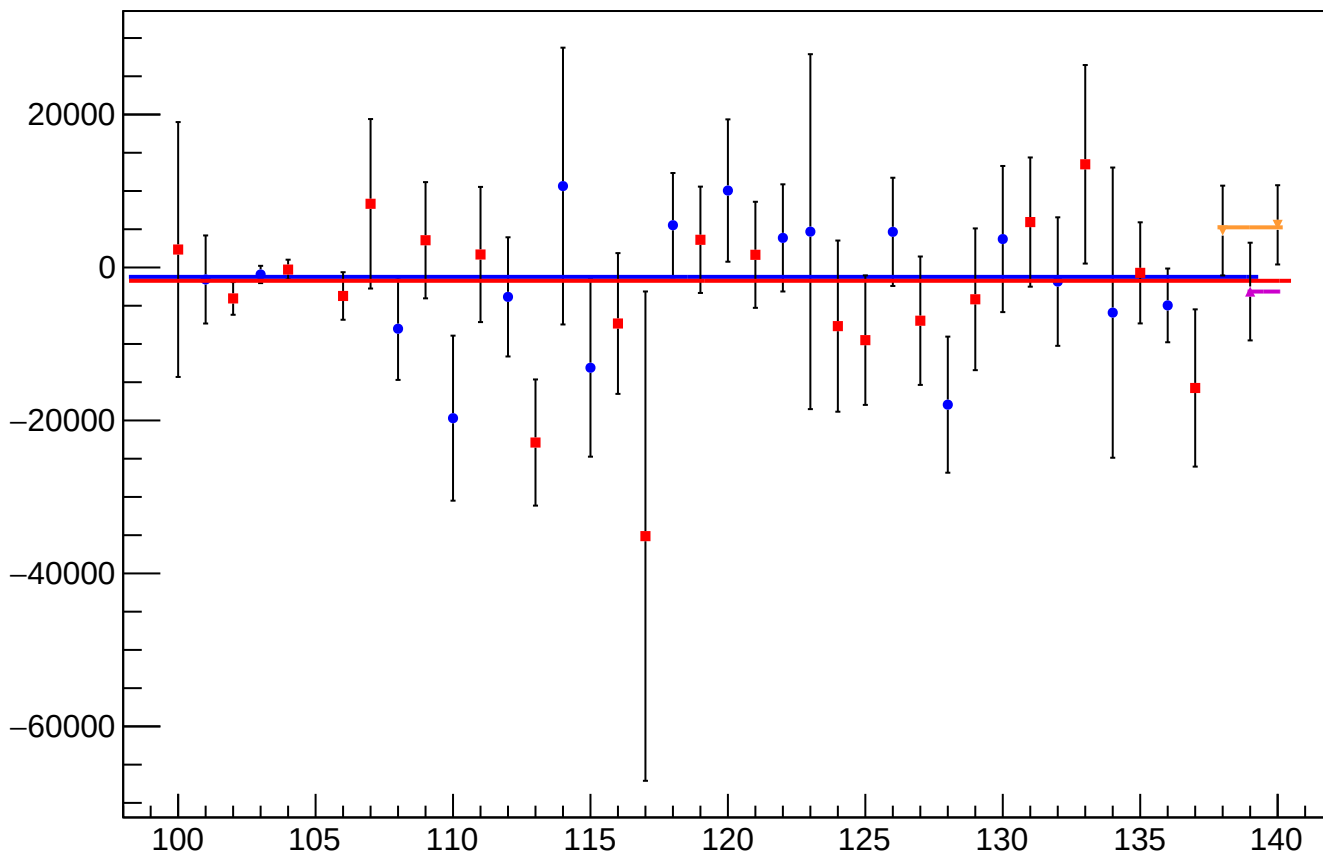
Left In: 1834.321+/-1.527 χ^2/NDF : 0.0/0

1885.337+/-0.472 χ^2/NDF : 289816.6/18

1900.604+/-0.341 χ^2/NDF : 657558.9/39

1917.264+/-0.493 χ^2/NDF : 365550.7/20

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915+/-984.603 χ^2/NDF : 13.8/16

Left Out: 5248.016+/-3884.779 χ^2/NDF : 0.0/1

Right Out: -1740.671+/-941.173 χ^2/NDF : 18.9/19

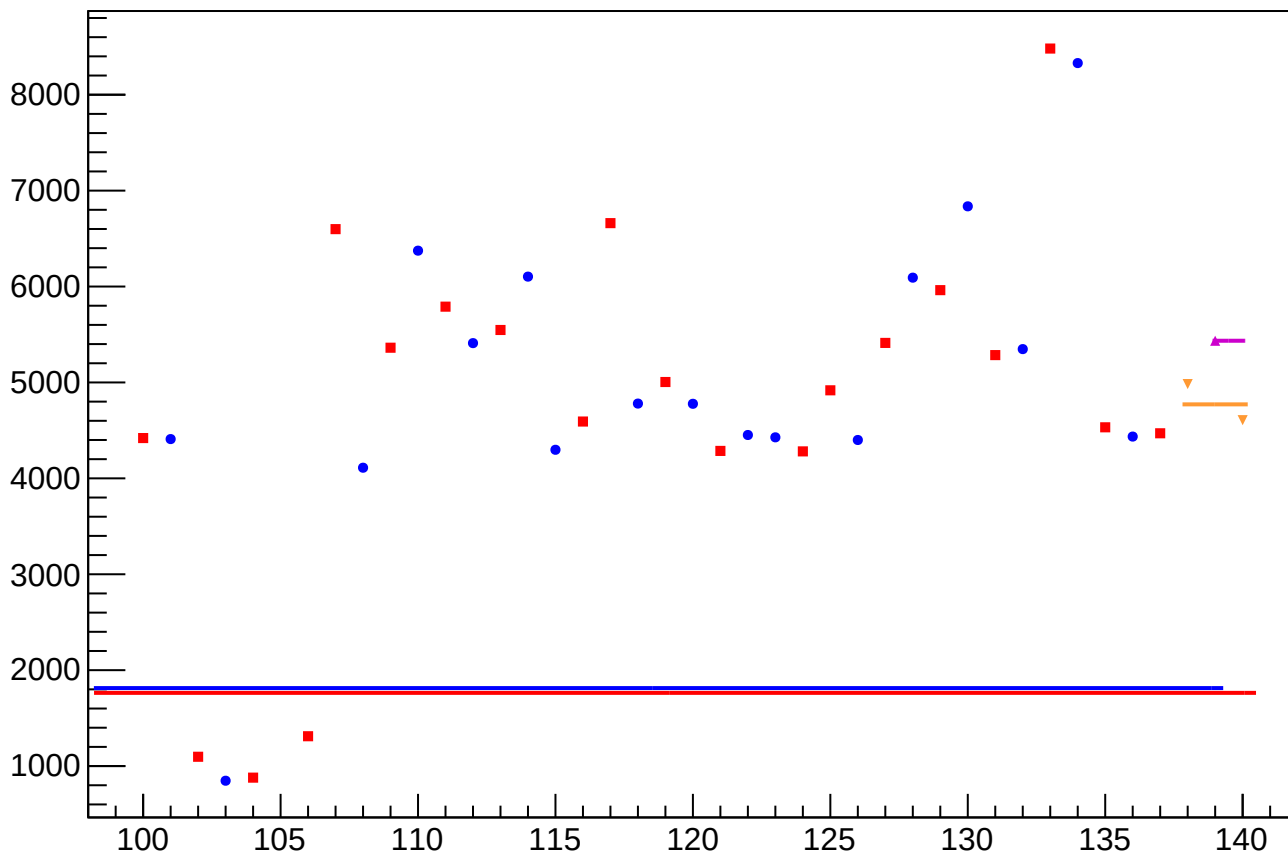
Left In: -3147.779+/-6386.346 χ^2/NDF : 0.0/0

-836.086+/-954.425 χ^2/NDF : 16.4/18

-1314.885+/-666.486 χ^2/NDF : 35.9/39

-1770.582+/-931.116 χ^2/NDF : 18.9/20

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4771.439+/-2.747 χ^2/NDF :4622.1/1

Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

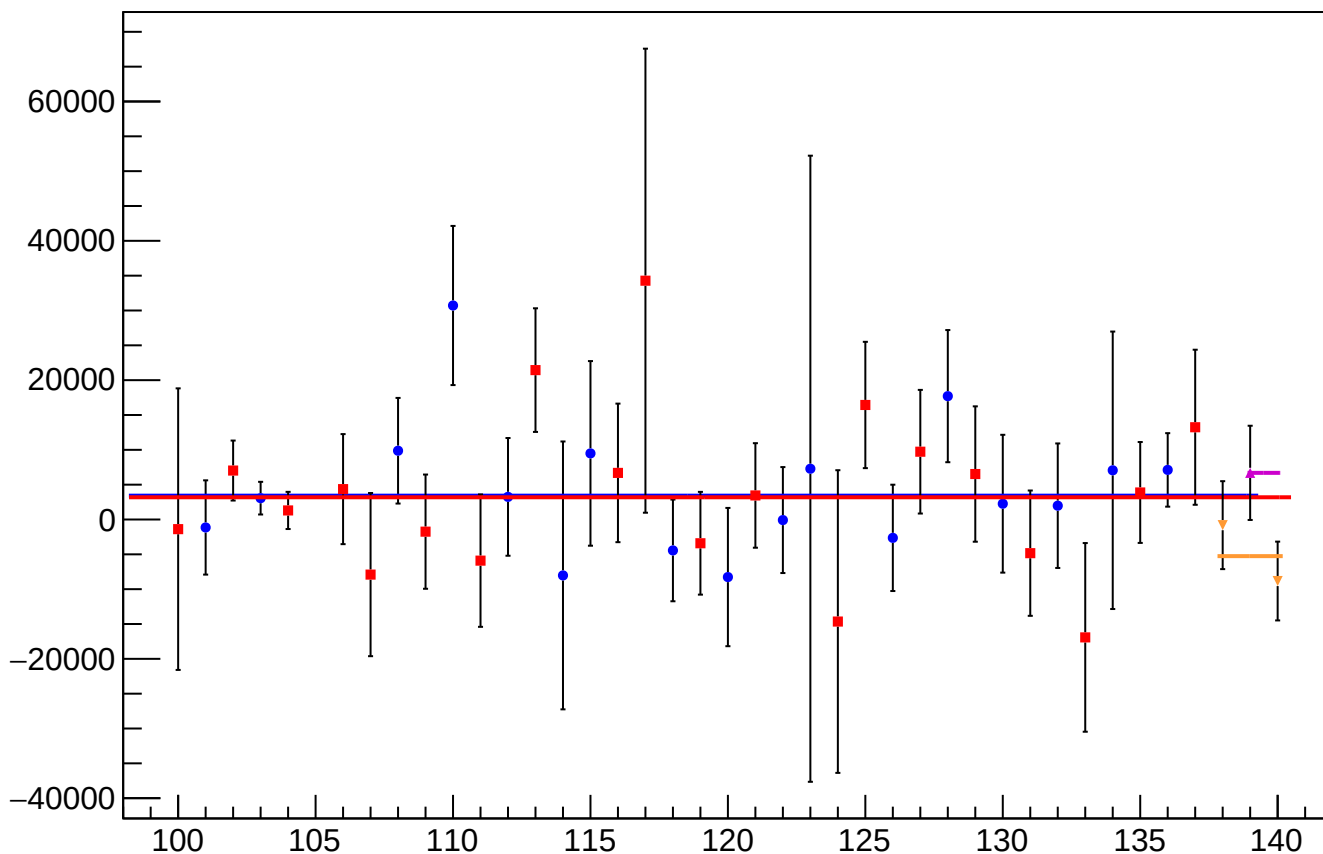
Left In: 5434.785+/-4.516 χ^2/NDF :0.0/0

1991.756+/-0.675 χ^2/NDF : 7543410.0/18

1914.730+/-0.471 χ^2/NDF : 14575759.5/3

1841.422+/-0.658 χ^2/NDF : 7006925.9/20

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -5258.551+/-4212.119 χ^2/NDF : 0.9/1

Right Out: 3190.143+/-1604.066 χ^2/NDF : 16.9/19

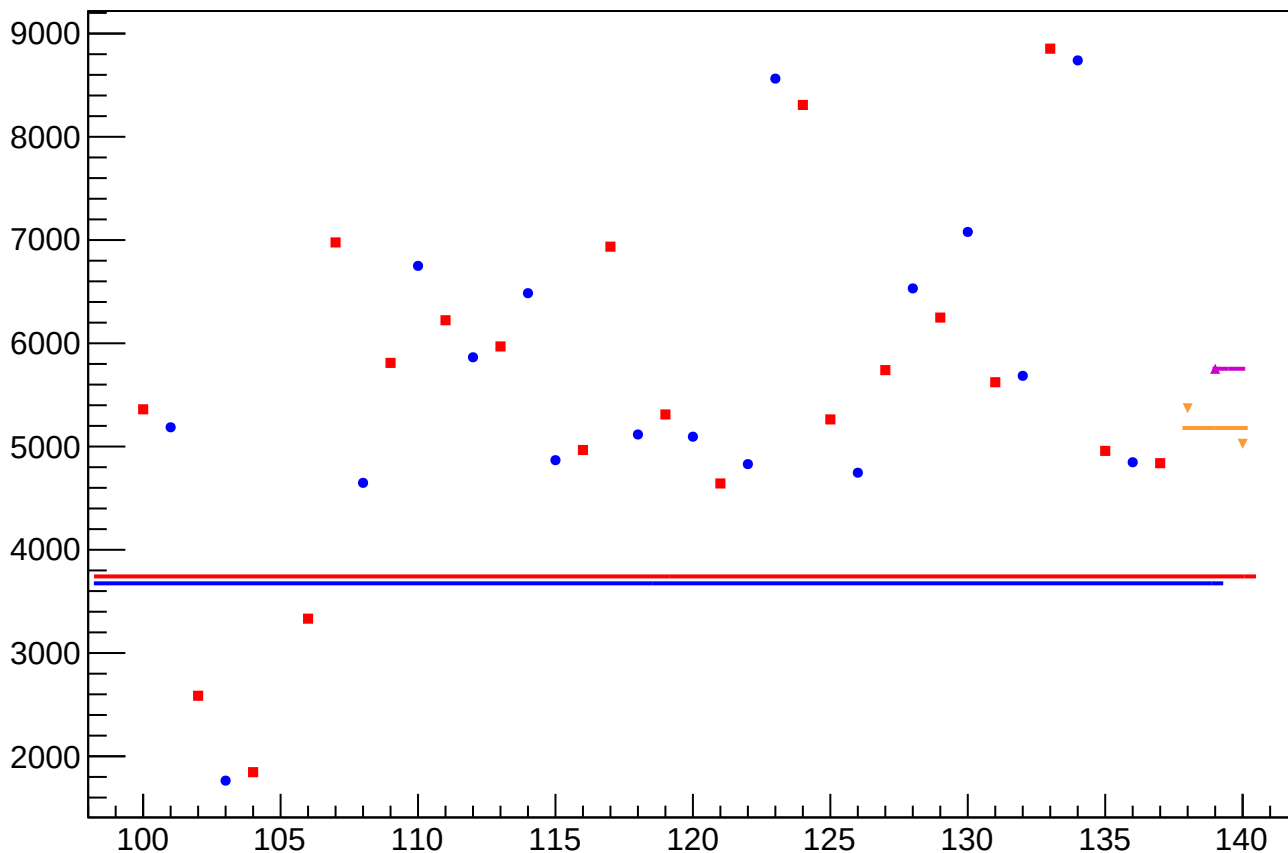
Left In: 6695.677+/-6761.846 χ^2/NDF : 0.0/0

2318.780+/-1501.176 χ^2/NDF : 18.3/18

2827.263+/-1081.940 χ^2/NDF : 35.7/39

3376.906+/-1560.752 χ^2/NDF : 17.1/20

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5179.493+/-2.978 χ^2/NDF : 3301.5/1

Right Out: 3742.124+/-1.127 χ^2/NDF : 2712365.3/19

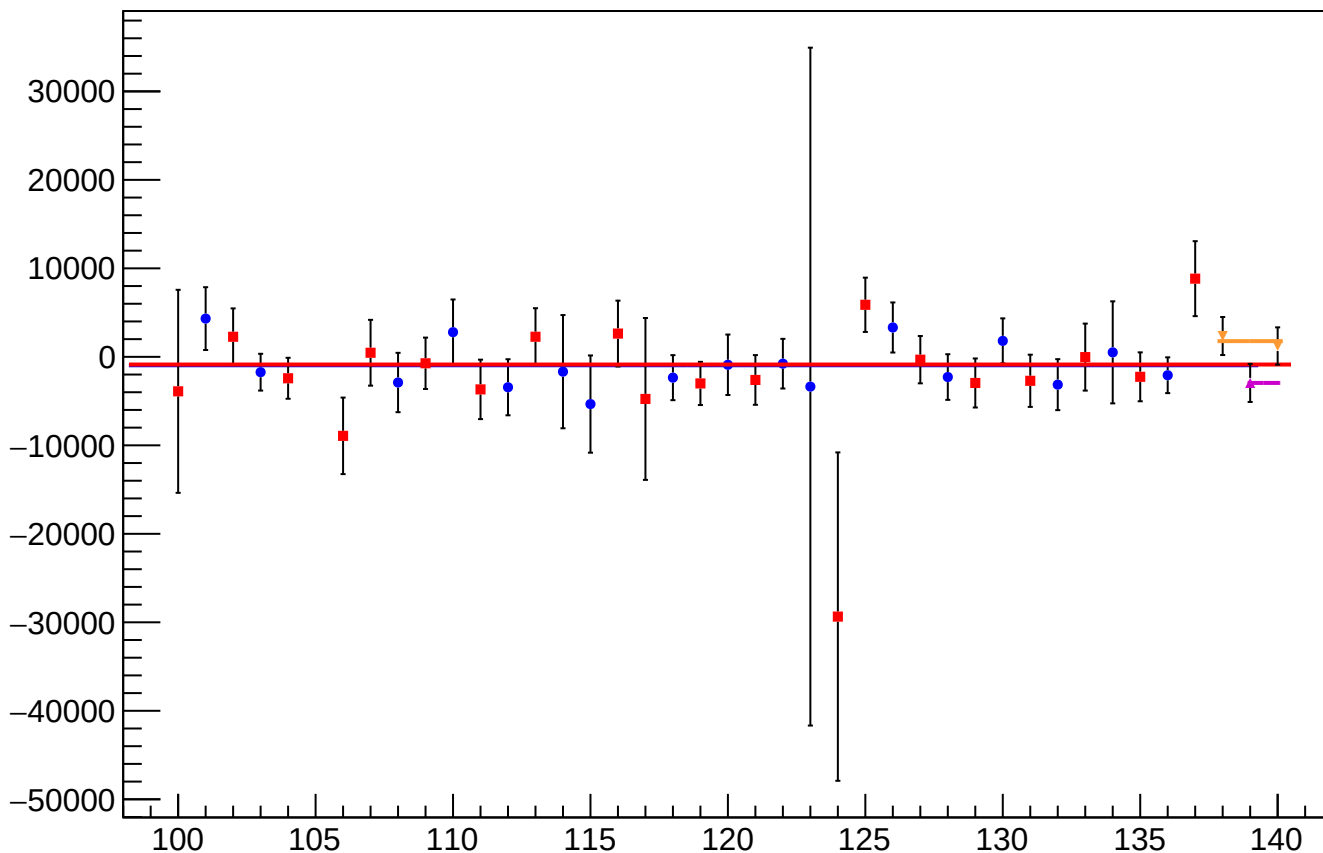
Left In: 5753.442+/-4.781 χ^2/NDF : 0.0/0

3866.099+/-1.061 χ^2/NDF : 3001134.9/18

3857.315+/-0.763 χ^2/NDF : 5881286.4/39

3847.940+/-1.097 χ^2/NDF : 2880009.9/20

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1777.730+/-1504.437 χ^2/NDF : 0.1/1

Right Out: -868.810+/-735.140 χ^2/NDF : 22.7/19

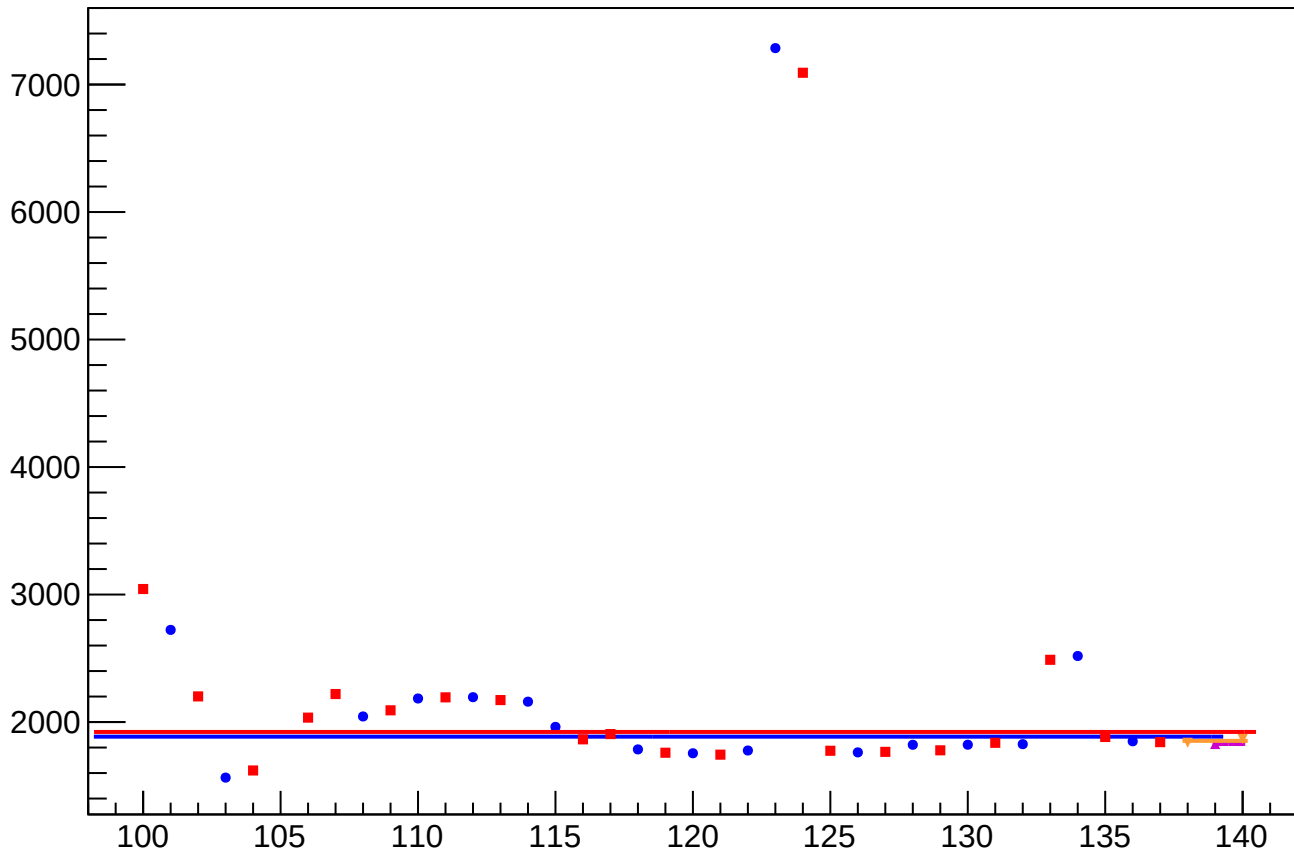
Left In: -2947.410+/-2151.082 χ^2/NDF : 0.0/0

-418.944+/-664.502 χ^2/NDF : 12.7/18

-737.302+/-480.504 χ^2/NDF : 36.8/39

-1086.192+/-695.638 χ^2/NDF : 23.5/20

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1852.372+/-1.064 χ^2/NDF : 183.9/1

Right Out: 1922.430+/-0.519 χ^2/NDF : 351518.8/19

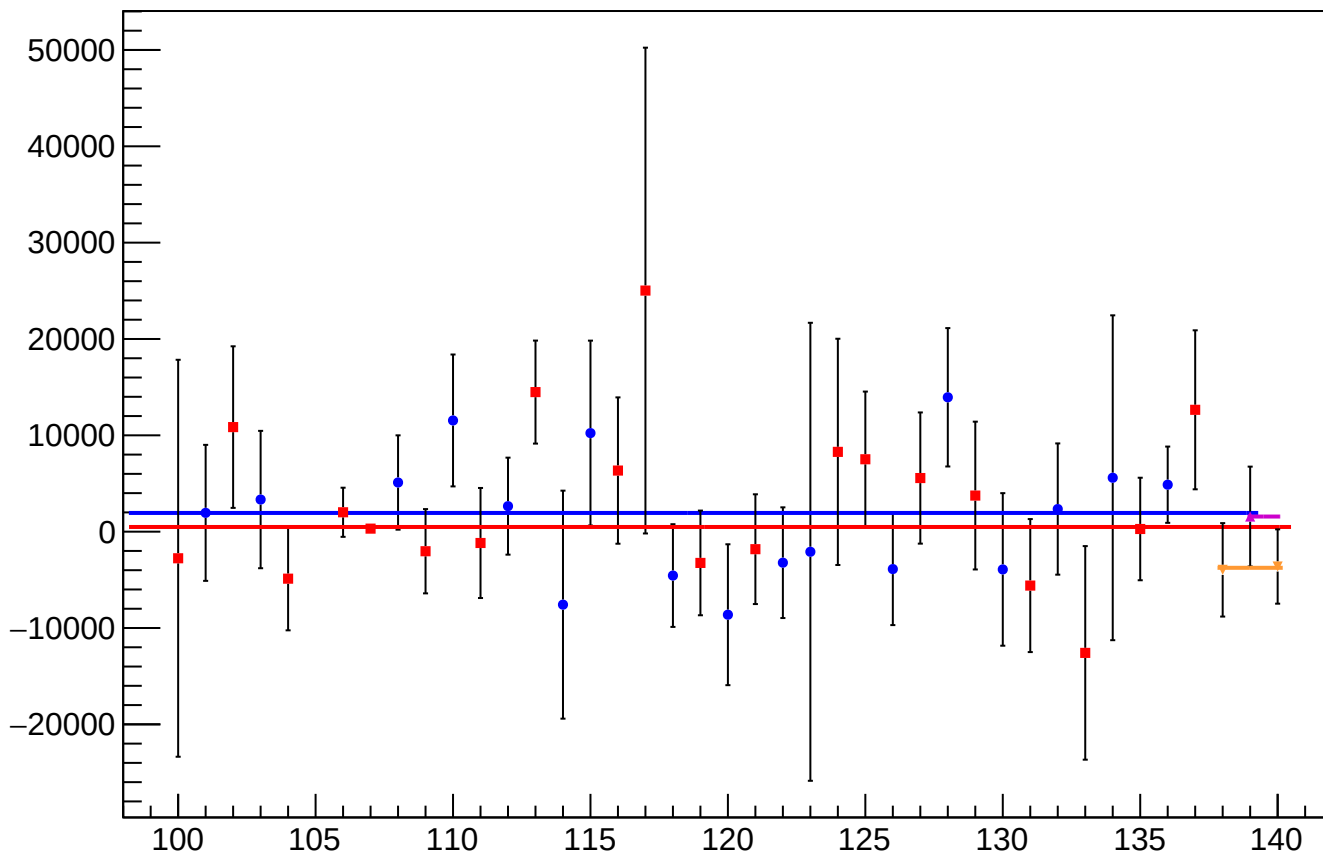
Left In: 1827.679+/-1.521 χ^2/NDF : 0.0/0

1878.924+/-0.470 χ^2/NDF : 281386.9/18

1894.990+/-0.340 χ^2/NDF : 638828.3/39

1912.548+/-0.491 χ^2/NDF : 354994.6/20

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -3751.183+/-3018.781 χ^2/NDF : 0.0/1

Right Out: 486.774+/-453.611 χ^2/NDF : 19.0/19

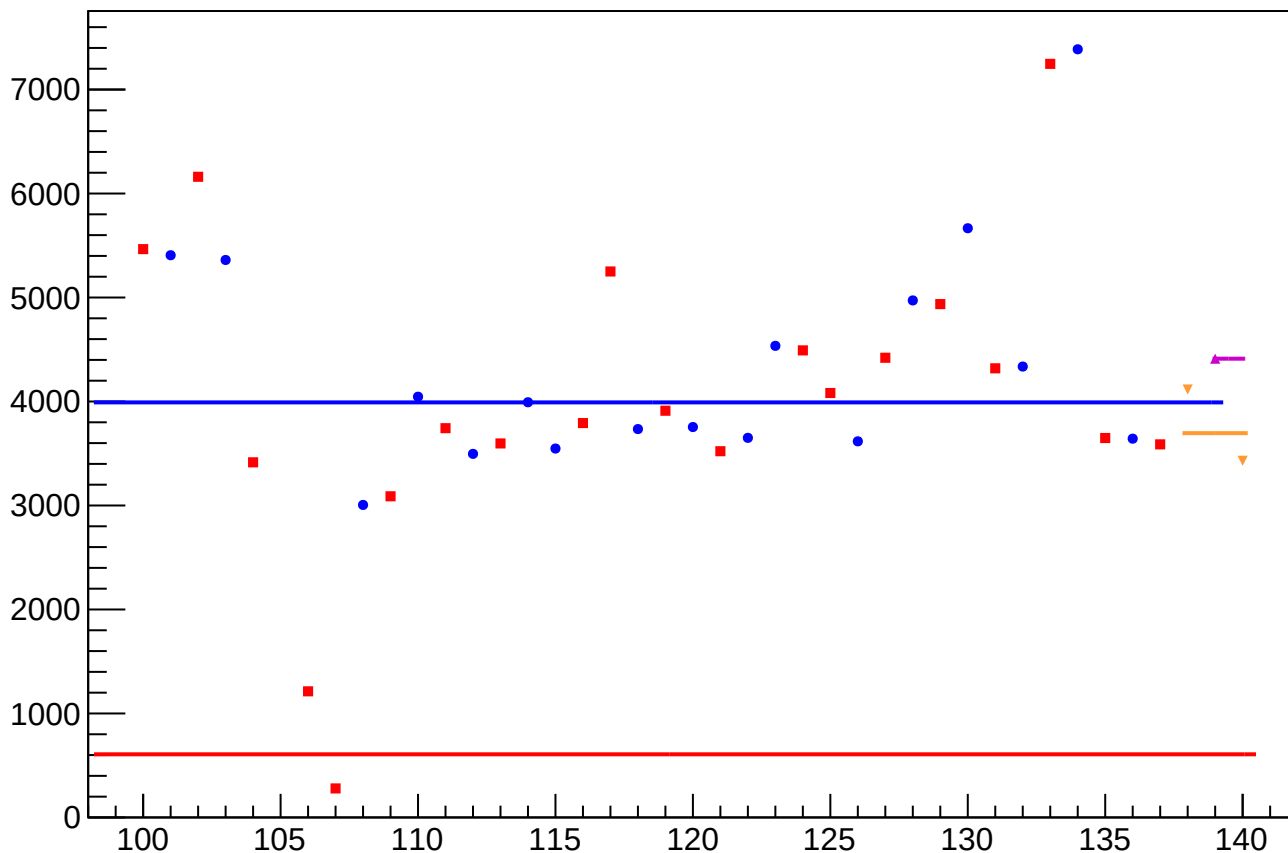
Left In: 1569.766+/-5180.904 χ^2/NDF : 0.0/0

717.419+/-1400.592 χ^2/NDF : 16.0/18

515.982+/-430.053 χ^2/NDF : 35.1/39

495.013+/-451.882 χ^2/NDF : 19.1/20

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3695.649+/-2.135 χ^2/NDF : 24456.9/1

Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

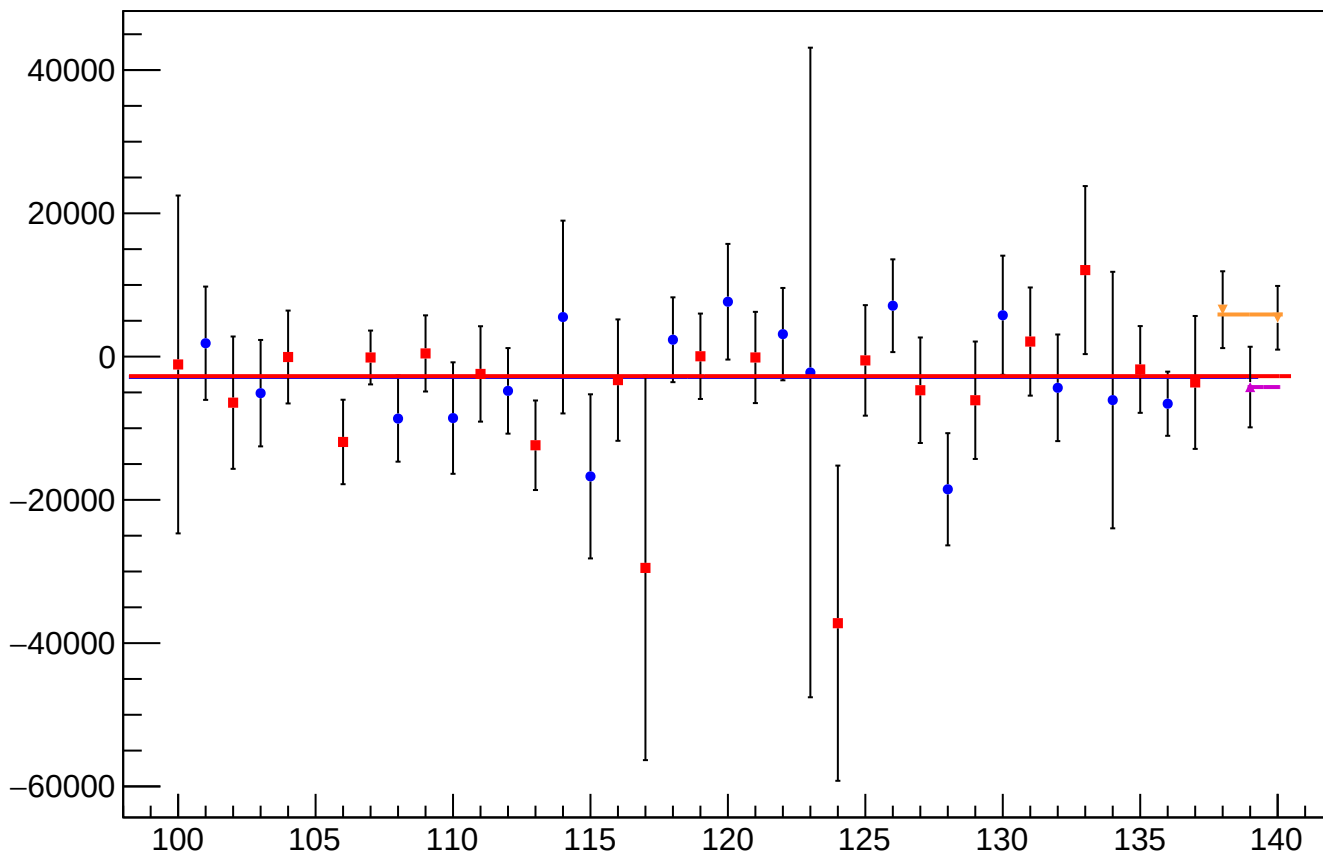
Left In: 4411.736+/-3.663 χ^2/NDF : 0.0/0

3927.750+/-0.990 χ^2/NDF : 550305.4/18

946.507+/-0.304 χ^2/NDF : 21939799.7/39

636.177+/-0.320 χ^2/NDF : 11384721.3/20

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599+/-1786.019 χ^2/NDF : 15.4/16

Left Out: 5879.000+/-3422.813 χ^2/NDF : 0.0/1

Right Out: -2729.311+/-1572.398 χ^2/NDF : 12.2/19

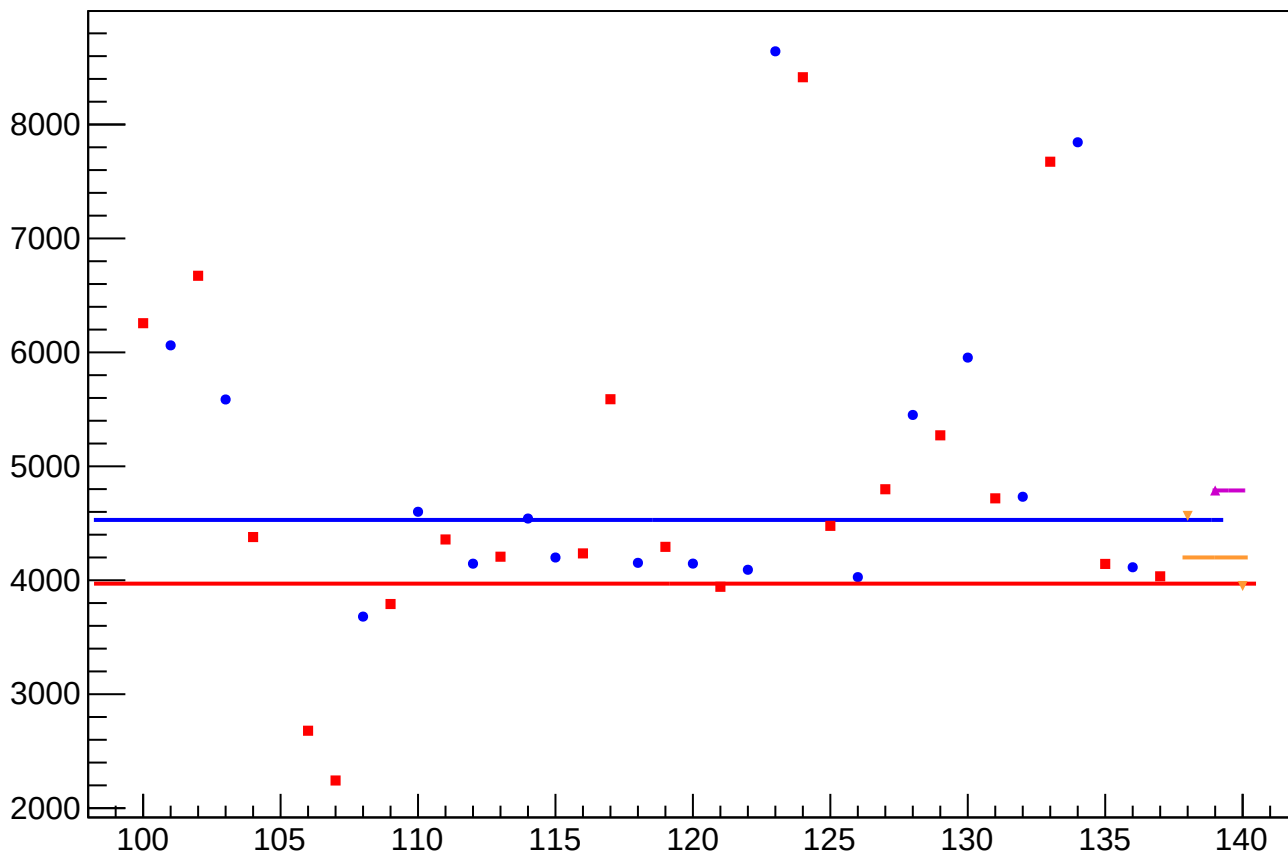
Left In: -4251.552+/-5625.811 χ^2/NDF : 0.0/0

-973.769+/-1583.419 χ^2/NDF : 20.5/18

-1948.264+/-1094.414 χ^2/NDF : 33.5/39

-2839.610+/-1514.360 χ^2/NDF : 12.3/20

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4200.249 $\pm$ 2.420 χ^2 /NDF:15606.5/1

Right Out: 3970.336 $\pm$ 1.105 χ^2 /NDF: 1147711.9/19

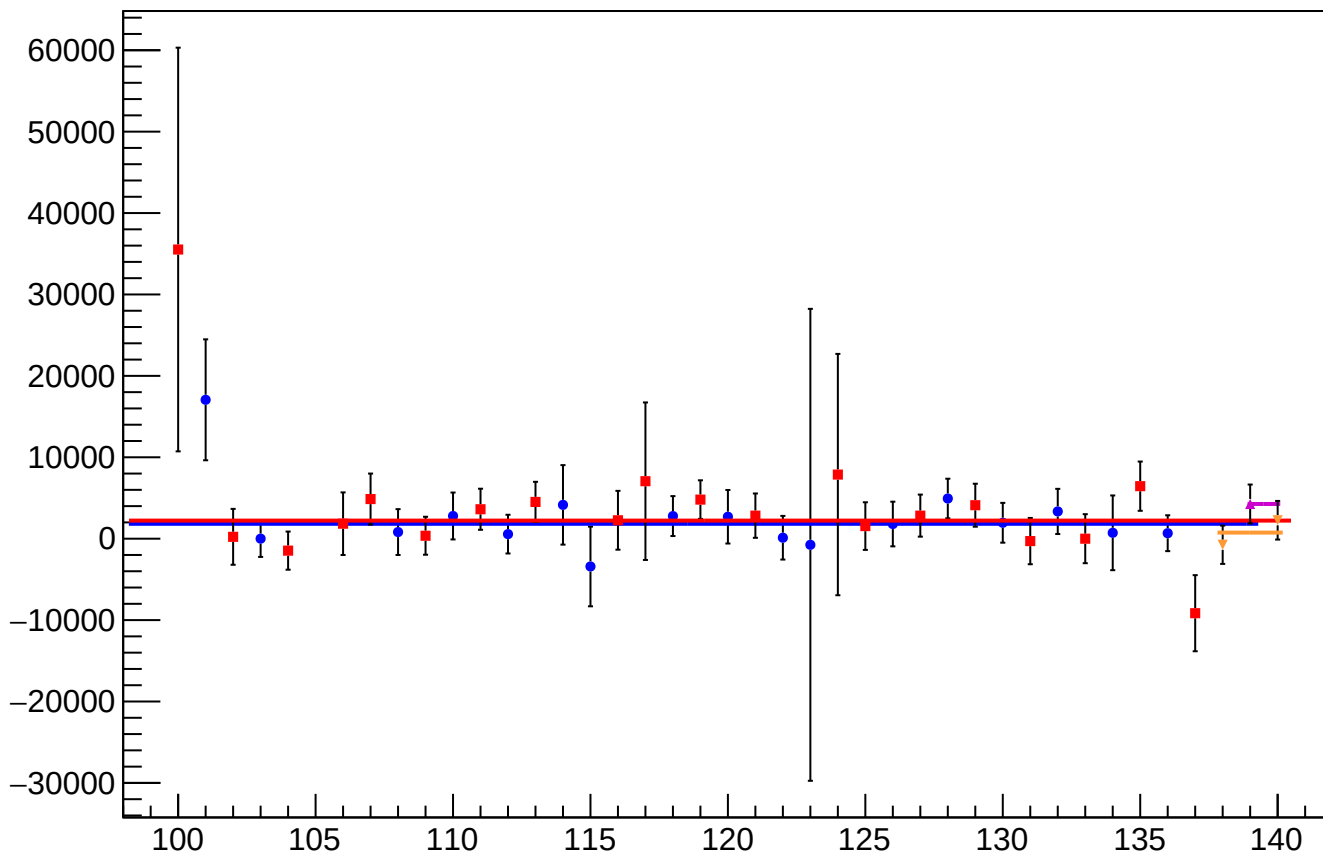
Left In: 4788.183 $\pm$ 3.978 χ^2 /NDF:0.0/0

4459.008 $\pm$ 1.120 χ^2 /NDF: 419475.0/18

4233.097 $\pm$ 0.771 χ^2 /NDF: 1683937.7/39

4028.897 $\pm$ 1.064 χ^2 /NDF: 1186952.7/20

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 747.235 $\pm$ 1670.540 χ^2 /NDF: 0.8/1

Right Out: 2222.274 $\pm$ 682.500 χ^2 /NDF: 18.6/19

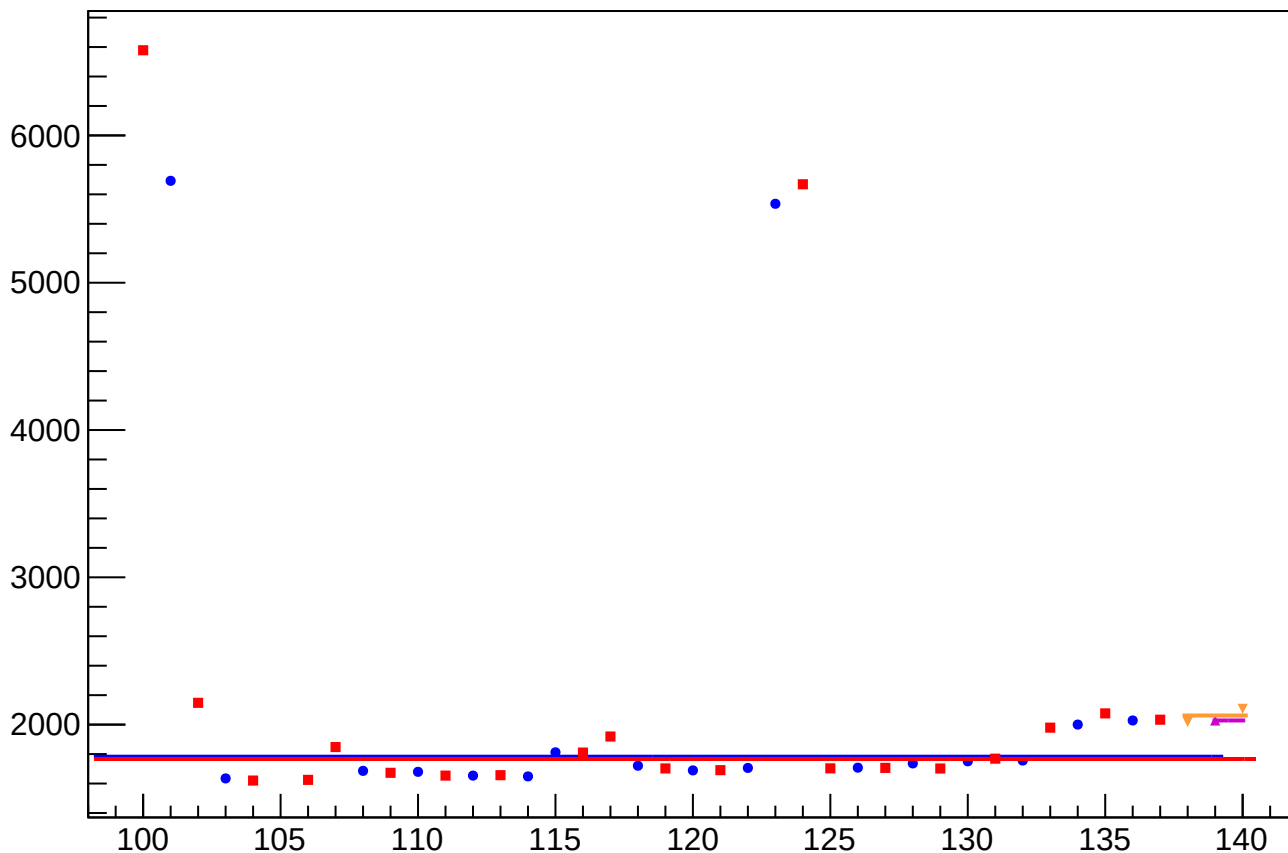
Left In: 4264.491 $\pm$ 2386.567 χ^2 /NDF: 0.0/0

1663.897 $\pm$ 654.472 χ^2 /NDF: 10.8/18

2019.344 $\pm$ 463.390 χ^2 /NDF: 30.7/39

2376.665 $\pm$ 656.195 χ^2 /NDF: 19.3/20

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2061.891+/-1.181 χ^2/NDF :1441.5/1

Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

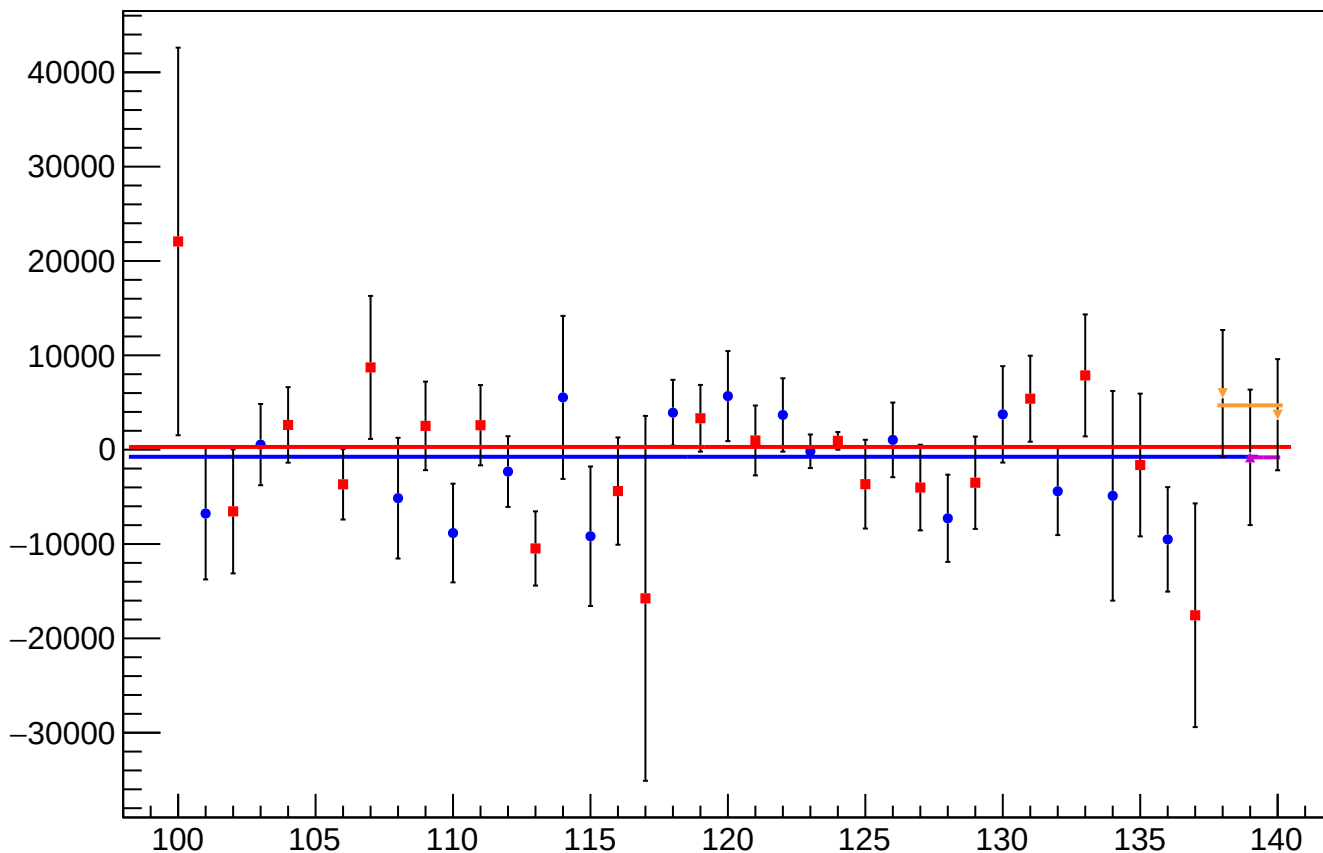
Left In: 2028.131+/-1.688 χ^2/NDF :0.0/0

1825.075+/-0.463 χ^2/NDF : 694109.5/18

1805.582+/-0.327 χ^2/NDF : 1027146.4/39

1786.233+/-0.461 χ^2/NDF : 329501.7/20

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: 4696.865+/-4424.913 χ^2/NDF : 0.1/1

Right Out: 288.847+/-724.622 χ^2/NDF : 22.7/19

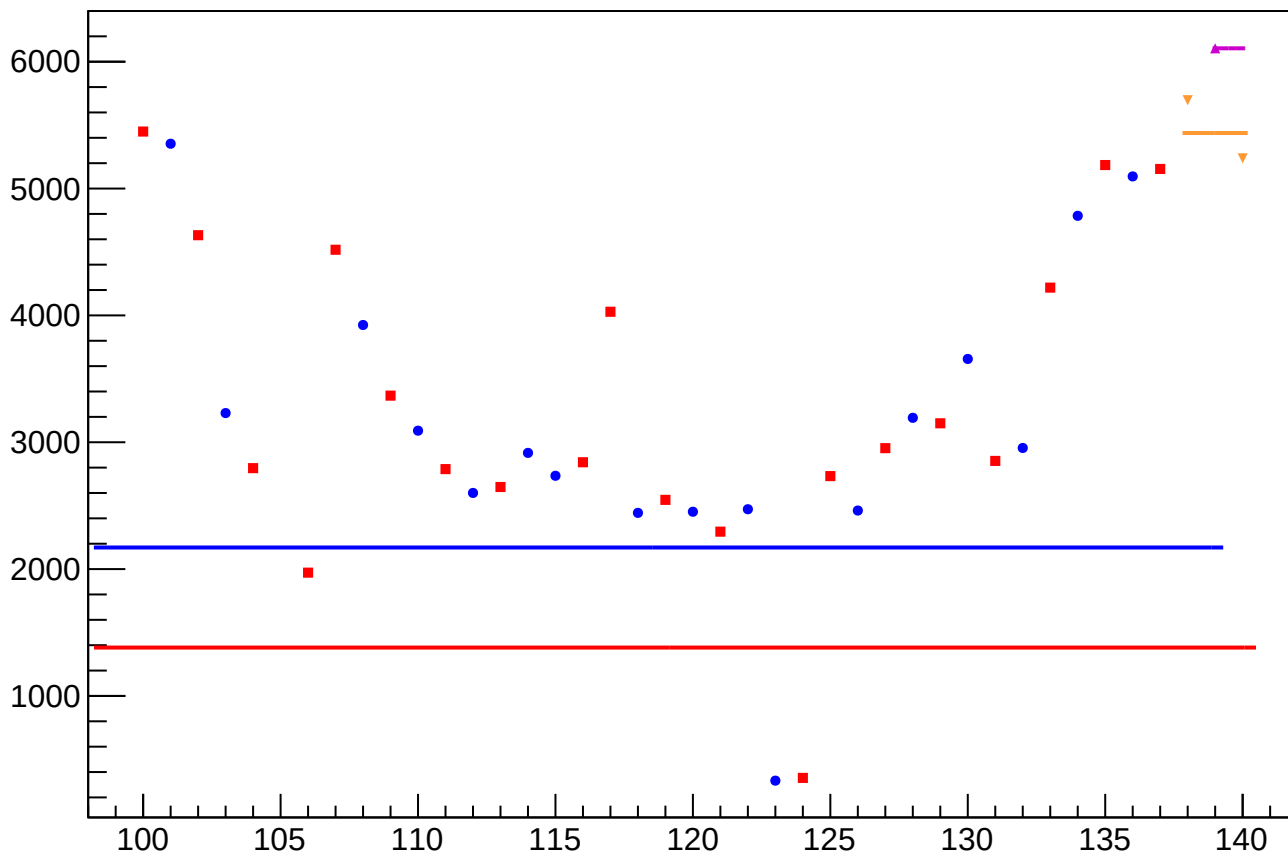
Left In: -813.108+/-7179.217 χ^2/NDF : 0.0/0

-484.282+/-983.306 χ^2/NDF : 18.5/18

11.312+/-581.422 χ^2/NDF : 41.6/39

277.734+/-720.959 χ^2/NDF : 22.7/20

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 ± 0.713 $\chi^2/\text{NDF}: 3973725.5/16$

Left Out: 5437.852 ± 3.129 $\chi^2/\text{NDF}: 5269.5/1$

Right Out: 1381.438 ± 0.512 $\chi^2/\text{NDF}: 6884822.3/19$

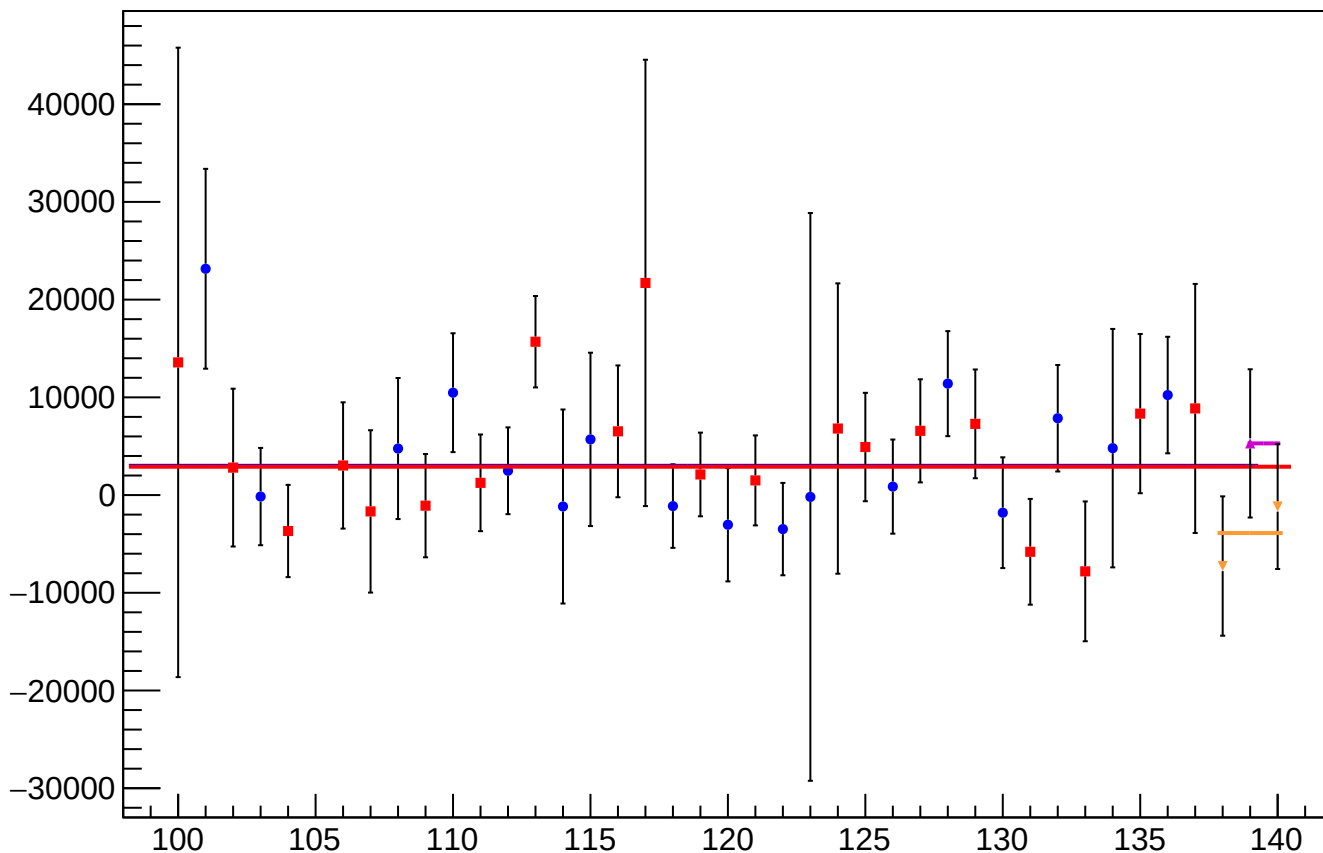
Left In: 6105.566 ± 5.076 $\chi^2/\text{NDF}: 0.0/0$

2331.603 ± 0.695 $\chi^2/\text{NDF}: 5015775.8/18$

1744.627 ± 0.411 $\chi^2/\text{NDF}: 13853665.7/3$

1429.080 ± 0.510 $\chi^2/\text{NDF}: 7742091.4/20$

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: -3887.532 $\pm$ 4760.440 χ^2 /NDF: 0.4/1

Right Out: 2901.985 $\pm$ 1376.603 χ^2 /NDF: 18.4/19

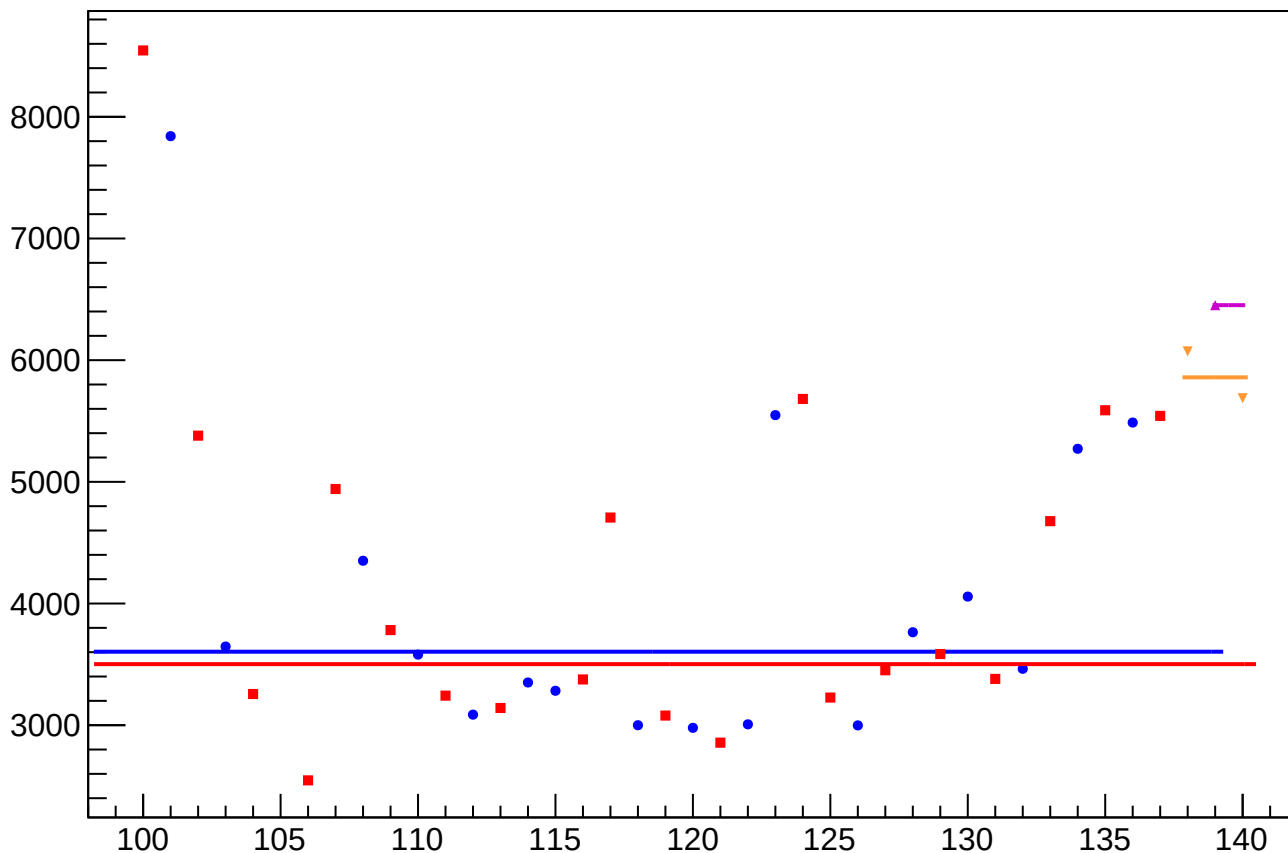
Left In: 5287.743 $\pm$ 7586.303 χ^2 /NDF: 0.0/0

2410.718 $\pm$ 1384.640 χ^2 /NDF: 18.0/18

2700.623 $\pm$ 968.250 χ^2 /NDF: 36.6/39

2978.037 $\pm$ 1354.483 χ^2 /NDF: 18.5/20

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 5858.948+/-3.366 χ^2/NDF : 3230.5/1

Right Out: 3501.857+/-0.960 χ^2/NDF : 667483.1/19

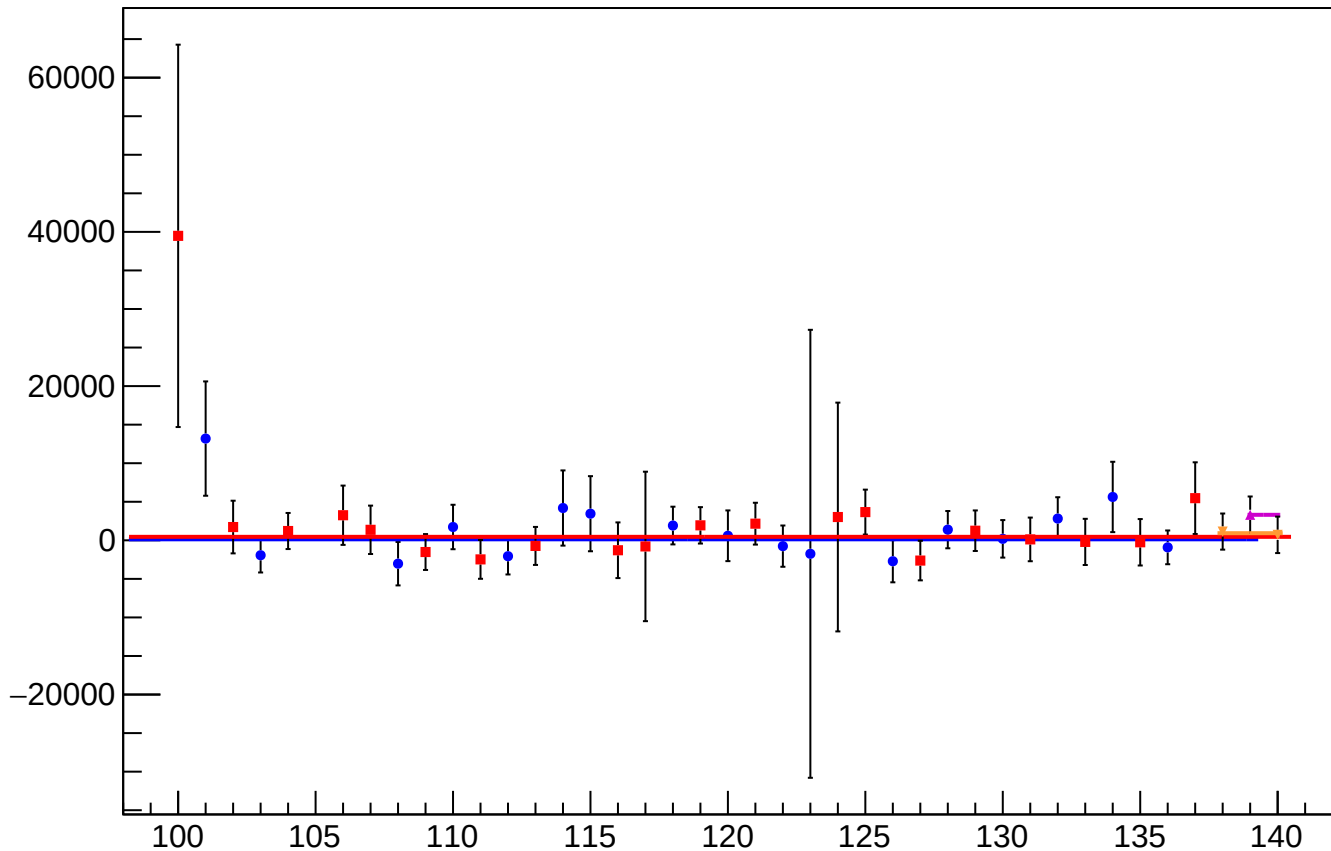
Left In: 6452.099+/-5.364 χ^2/NDF : 0.0/0

3794.706+/-0.979 χ^2/NDF : 1198720.0/18

3690.478+/-0.680 χ^2/NDF : 2181177.8/39

3593.398+/-0.945 χ^2/NDF : 960569.7/20

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 923.569 $\pm$ 1663.255 χ^2 /NDF: 0.0/1

Right Out: 452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

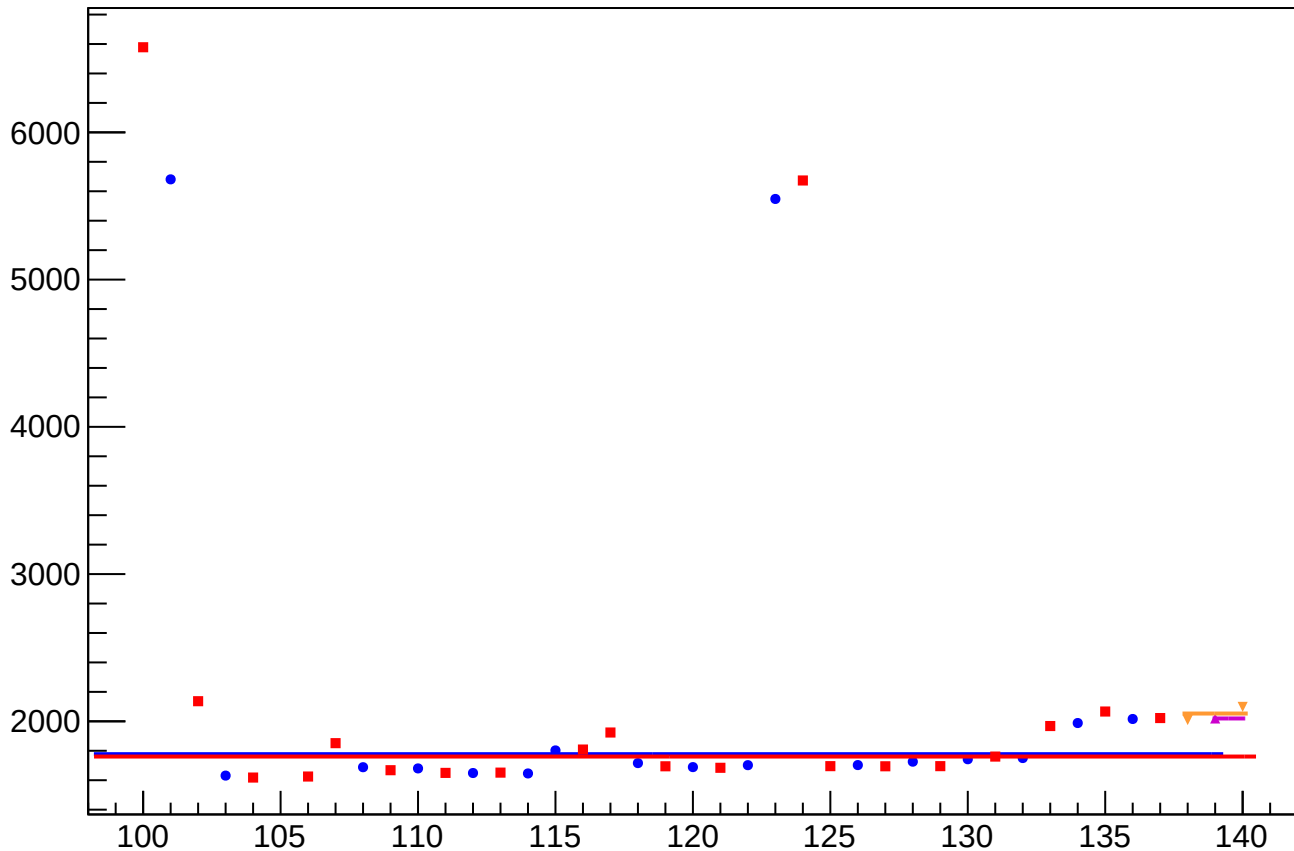
Left In: 3307.609 $\pm$ 2376.138 χ^2 /NDF: 0.0/0

252.858 $\pm$ 652.376 χ^2 /NDF: 12.4/18

460.477 $\pm$ 461.837 χ^2 /NDF: 24.6/39

669.066 $\pm$ 653.898 χ^2 /NDF: 12.1/20

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 2052.882+/-1.176 χ^2/NDF :1449.5/1

Right Out: 1760.787+/-0.478 χ^2/NDF : 306724.5/19

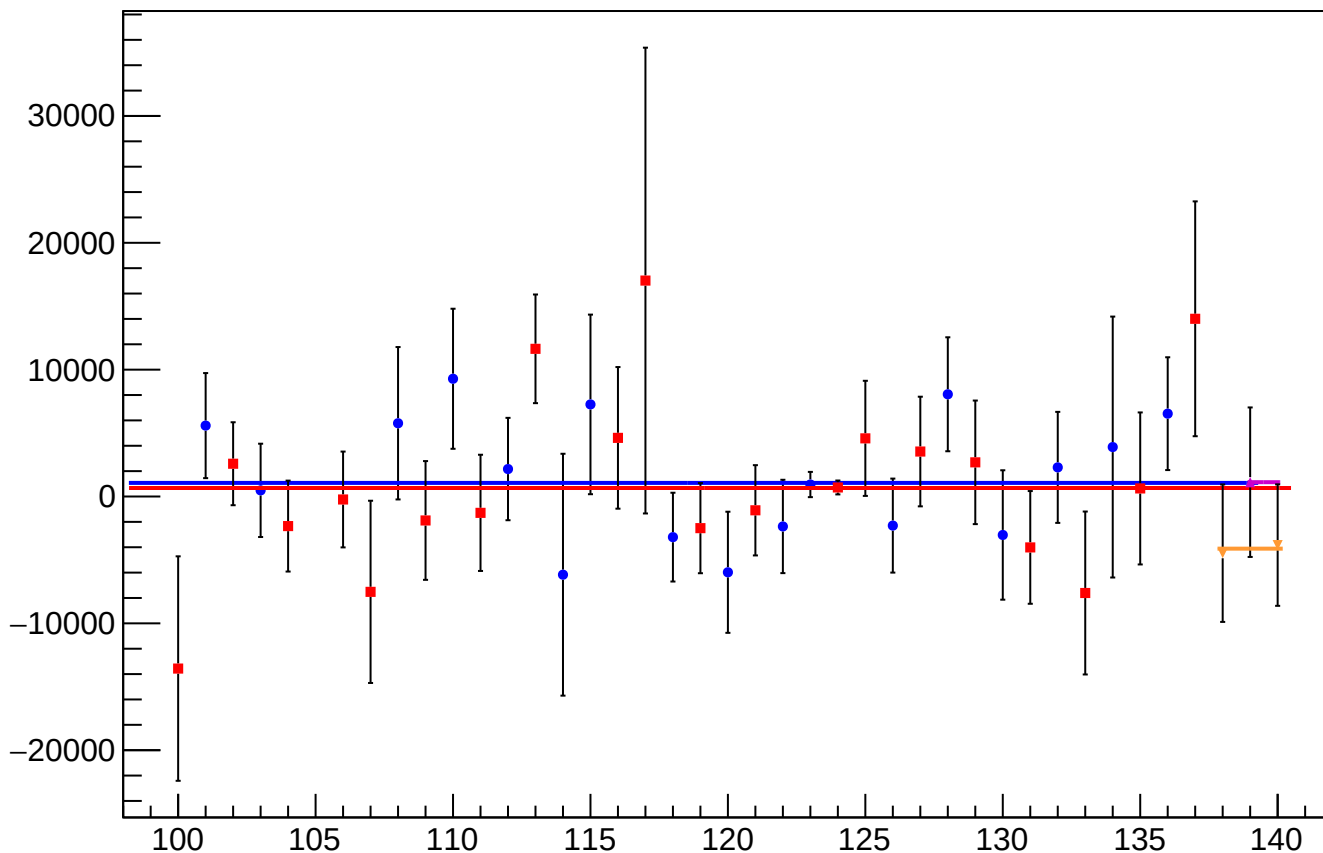
Left In: 2019.382+/-1.680 χ^2/NDF :0.0/0

1819.340+/-0.461 χ^2/NDF : 691626.9/18

1799.656+/-0.326 χ^2/NDF : 1023895.2/39

1780.126+/-0.459 χ^2/NDF : 328641.0/20

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: -4111.009+/-3587.979 χ^2/NDF : 0.0/1

Right Out: 670.313+/-487.861 χ^2/NDF : 20.6/19

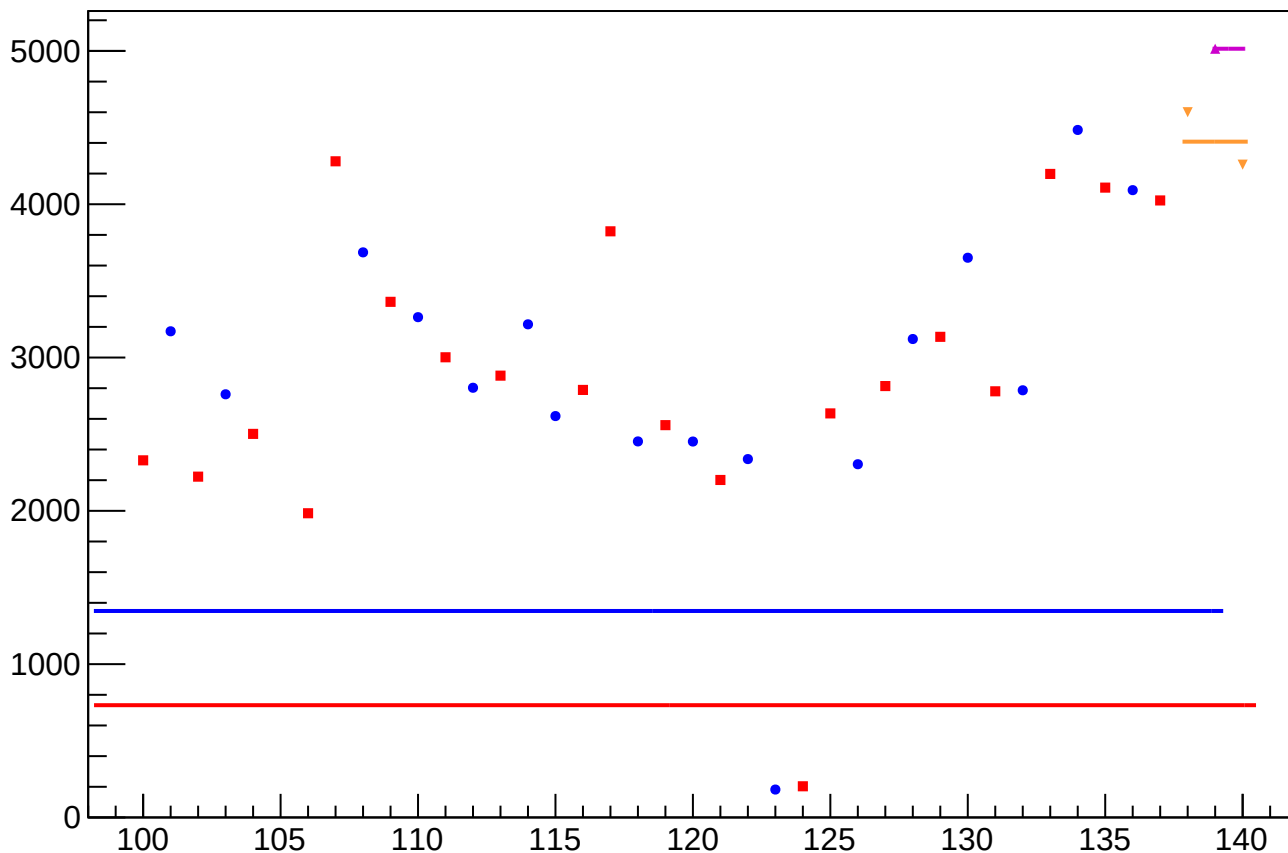
Left In: 1127.877+/-5893.271 χ^2/NDF : 0.0/0

853.934+/-736.271 χ^2/NDF : 17.6/18

728.239+/-405.720 χ^2/NDF : 38.2/39

673.427+/-486.198 χ^2/NDF : 20.6/20

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 4408.179+/-2.537 χ^2/NDF : 4475.1/1

Right Out: 732.303+/-0.345 χ^2/NDF : 9559853.6/19

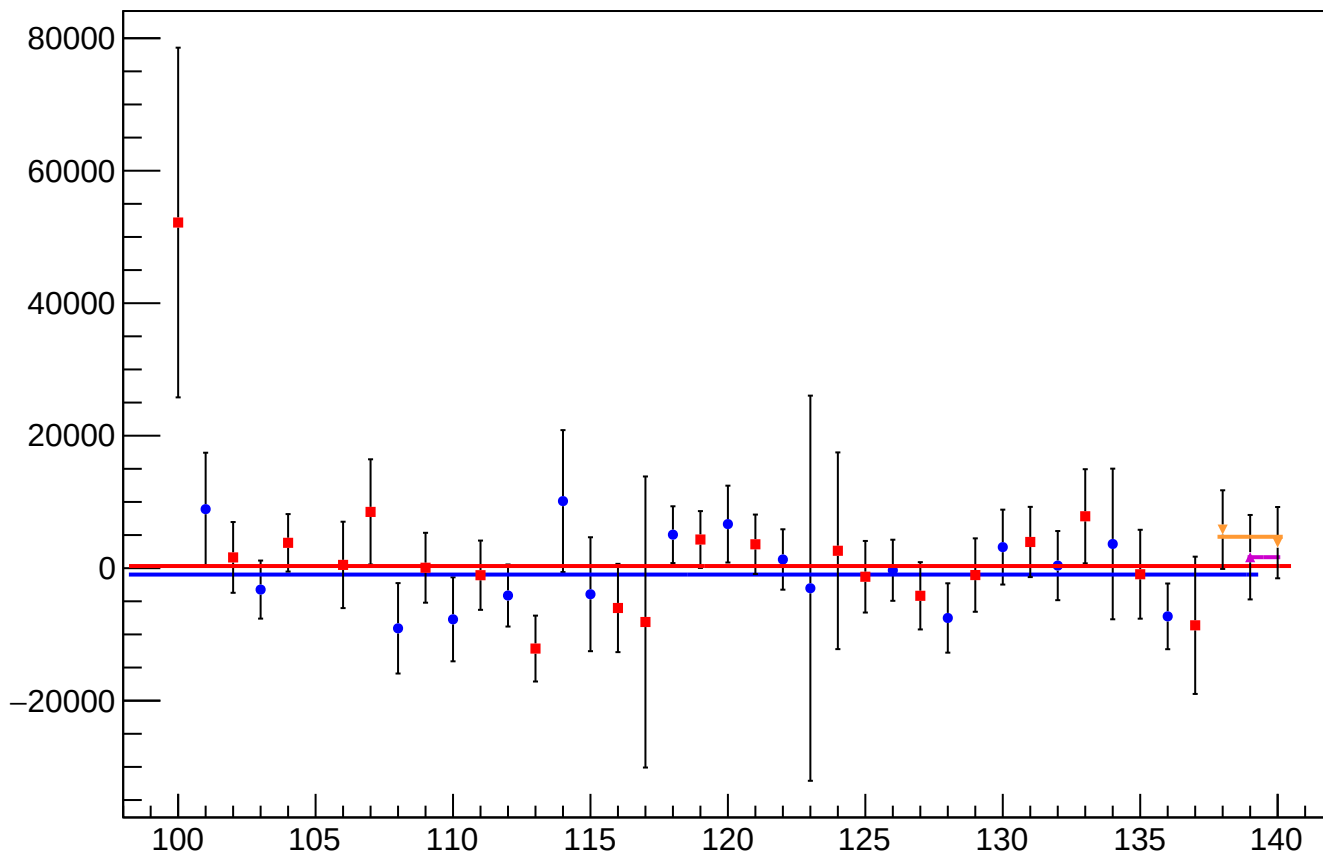
Left In: 5014.347+/-4.167 χ^2/NDF : 0.0/0

1475.746+/-0.521 χ^2/NDF : 8238254.3/18

978.347+/-0.287 χ^2/NDF : 20157621.9/39

761.448+/-0.344 χ^2/NDF : 10608558.7/20

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 4741.075+/-3986.691 χ^2/NDF : 0.1/1

Right Out: 323.694+/-1327.331 χ^2/NDF : 17.8/19

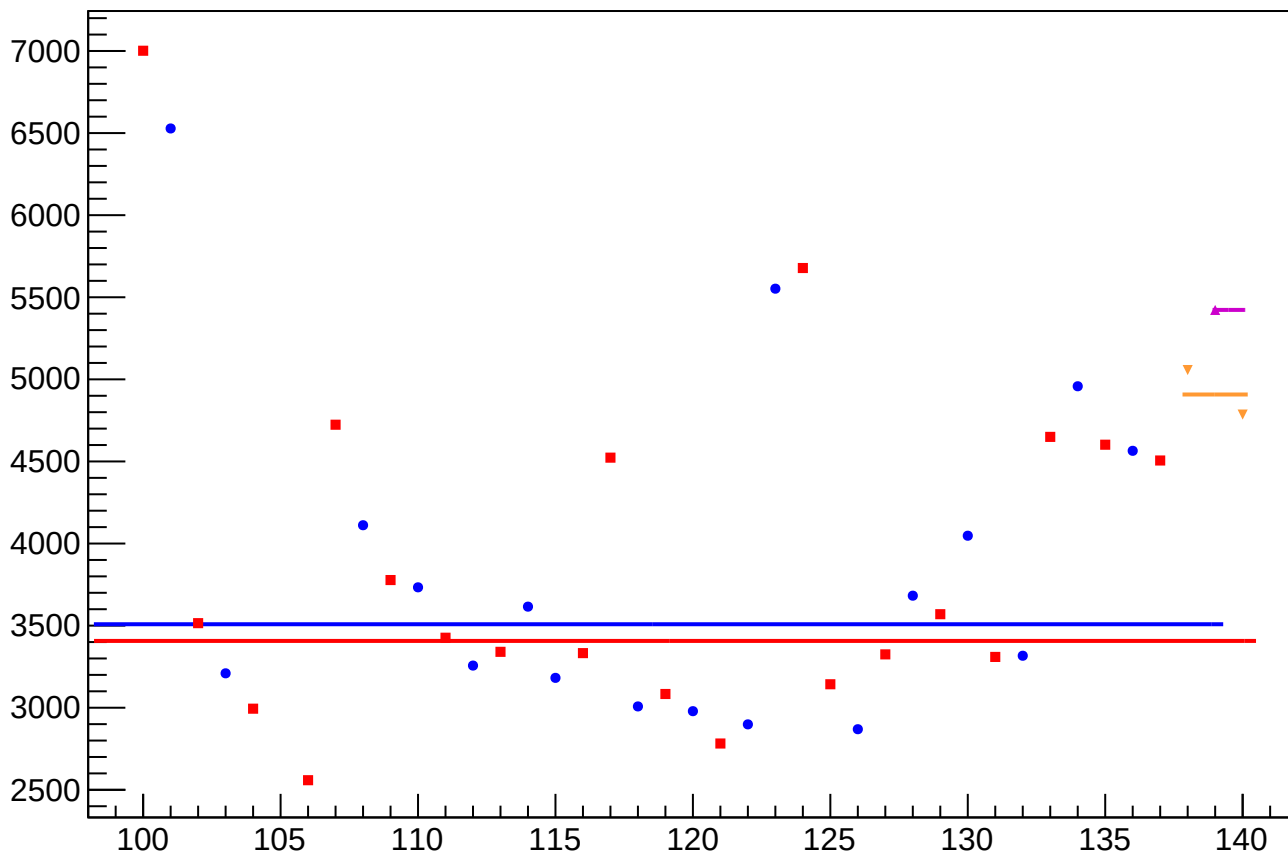
Left In: 1658.986+/-6374.124 χ^2/NDF : 0.0/0

-341.306+/-1317.244 χ^2/NDF : 15.6/18

23.839+/-925.079 χ^2/NDF : 33.6/39

379.190+/-1299.456 χ^2/NDF : 17.8/20

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4907.774+/-2.819 χ^2/NDF : 2290.4/1

Right Out: 3406.868+/-0.926 χ^2/NDF : 433737.9/19

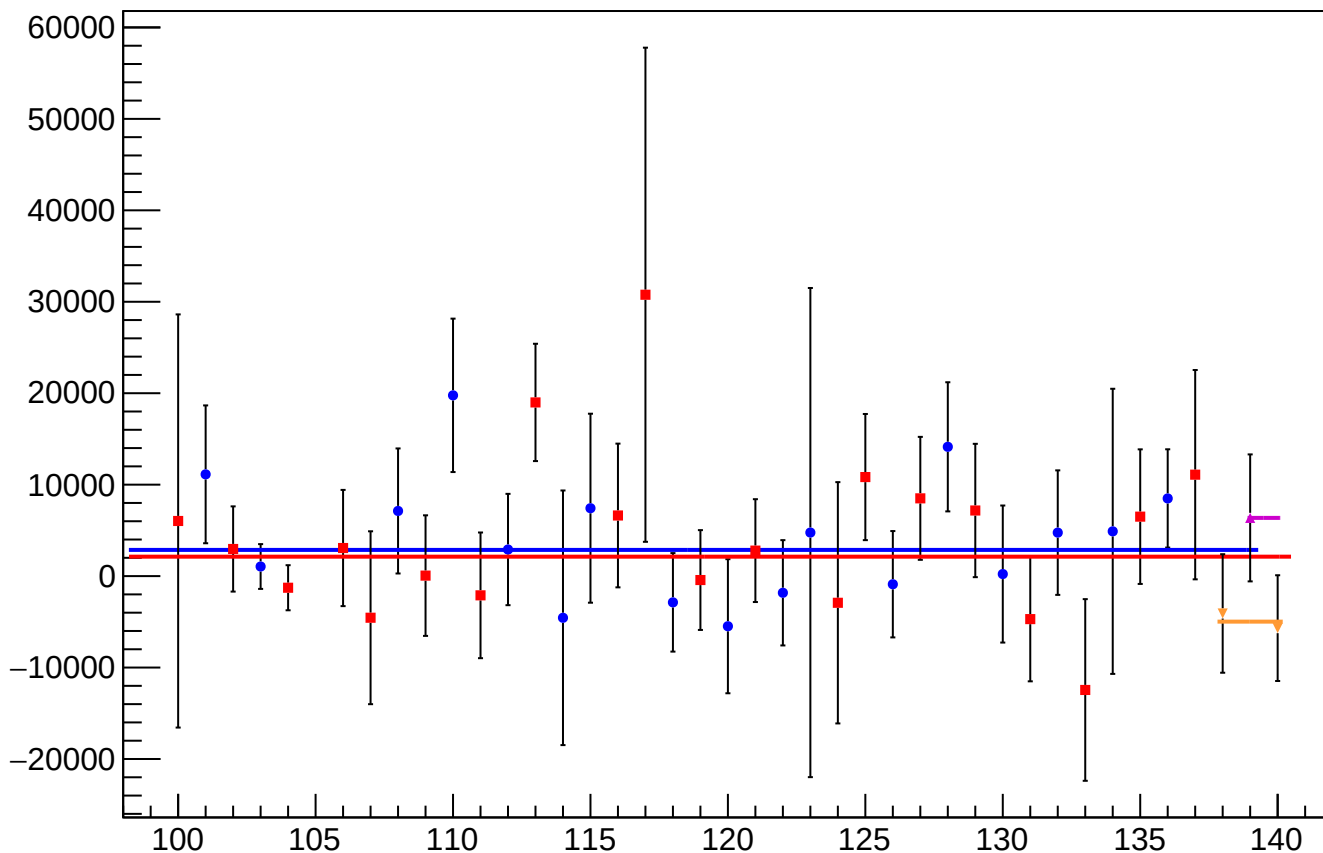
Left In: 5422.955+/-4.507 χ^2/NDF : 0.0/0

3661.244+/-0.931 χ^2/NDF : 783978.7/18

3572.673+/-0.650 χ^2/NDF : 1427313.2/39

3488.597+/-0.907 χ^2/NDF : 625708.7/20

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -4977.977+/-4314.367 χ^2/NDF : 0.0/1

Right Out: 2126.105+/-1379.774 χ^2/NDF : 18.8/19

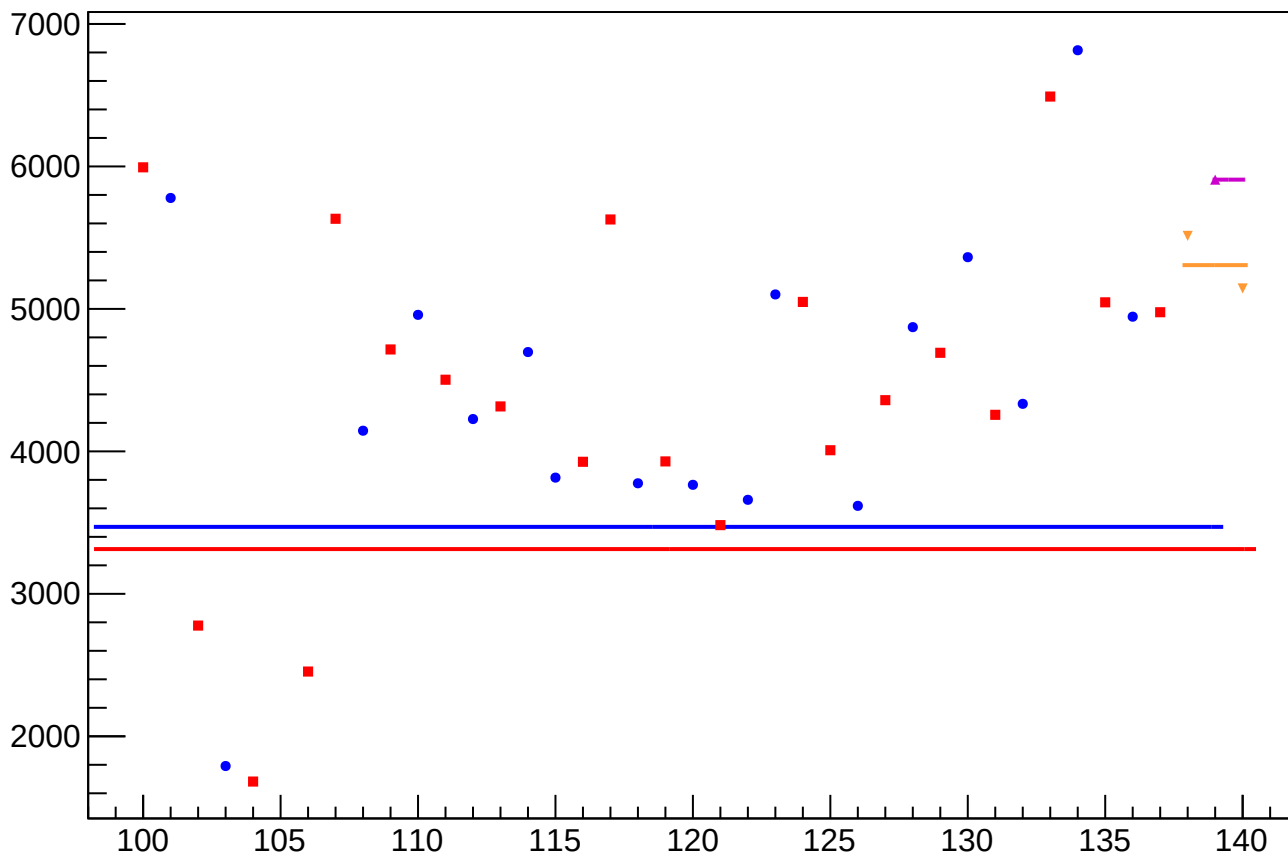
Left In: 6365.830+/-6943.264 χ^2/NDF : 0.0/0

2066.184+/-1376.714 χ^2/NDF : 17.1/18

2178.572+/-965.103 χ^2/NDF : 36.2/39

2287.171+/-1353.311 χ^2/NDF : 19.2/20

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 5307.252+/-3.051 χ^2/NDF : 3609.6/1

Right Out: 3314.183+/-0.967 χ^2/NDF : 1925484.9/19

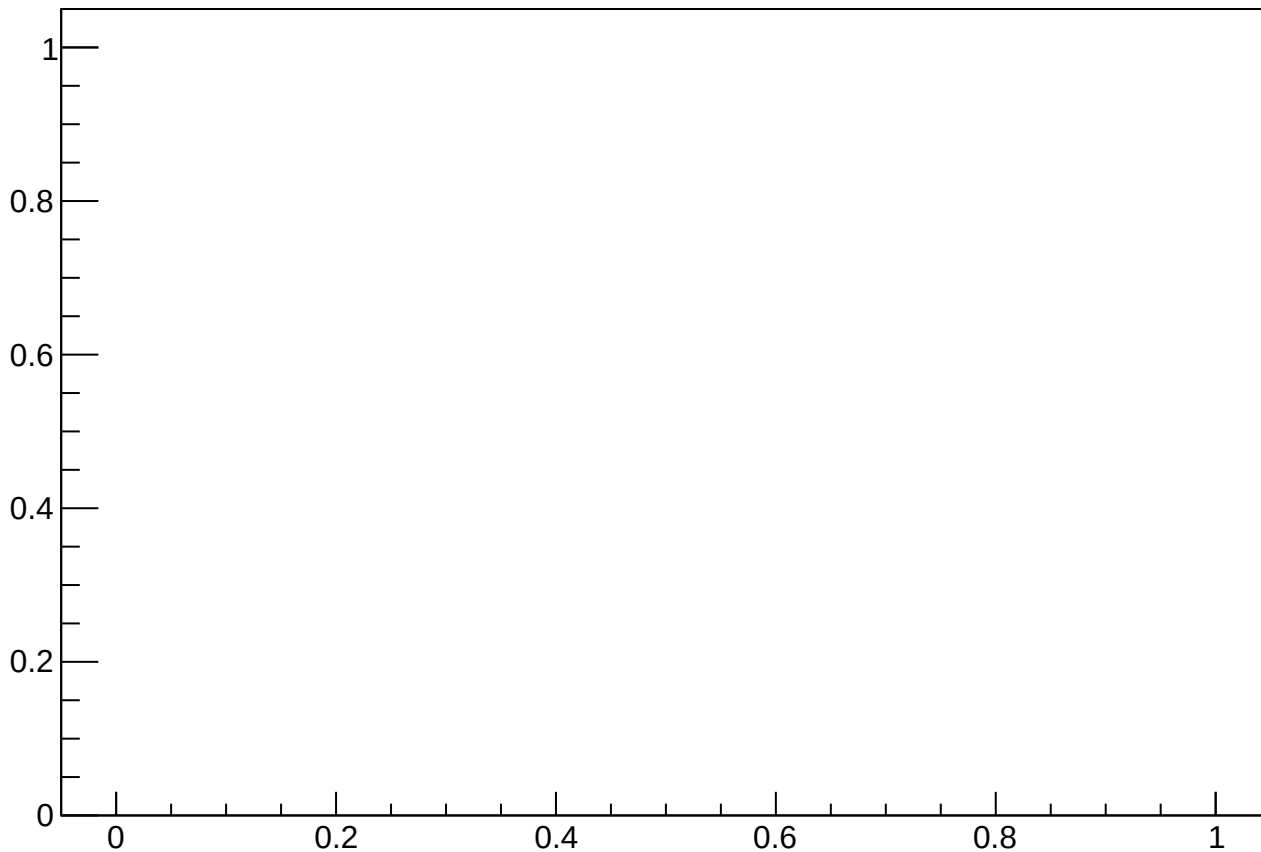
Left In: 5907.336+/-4.910 χ^2/NDF : 0.0/0

3657.108+/-0.973 χ^2/NDF : 2090214.4/18

3530.851+/-0.679 χ^2/NDF : 4317050.4/39

3410.976+/-0.949 χ^2/NDF : 2194042.8/20

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

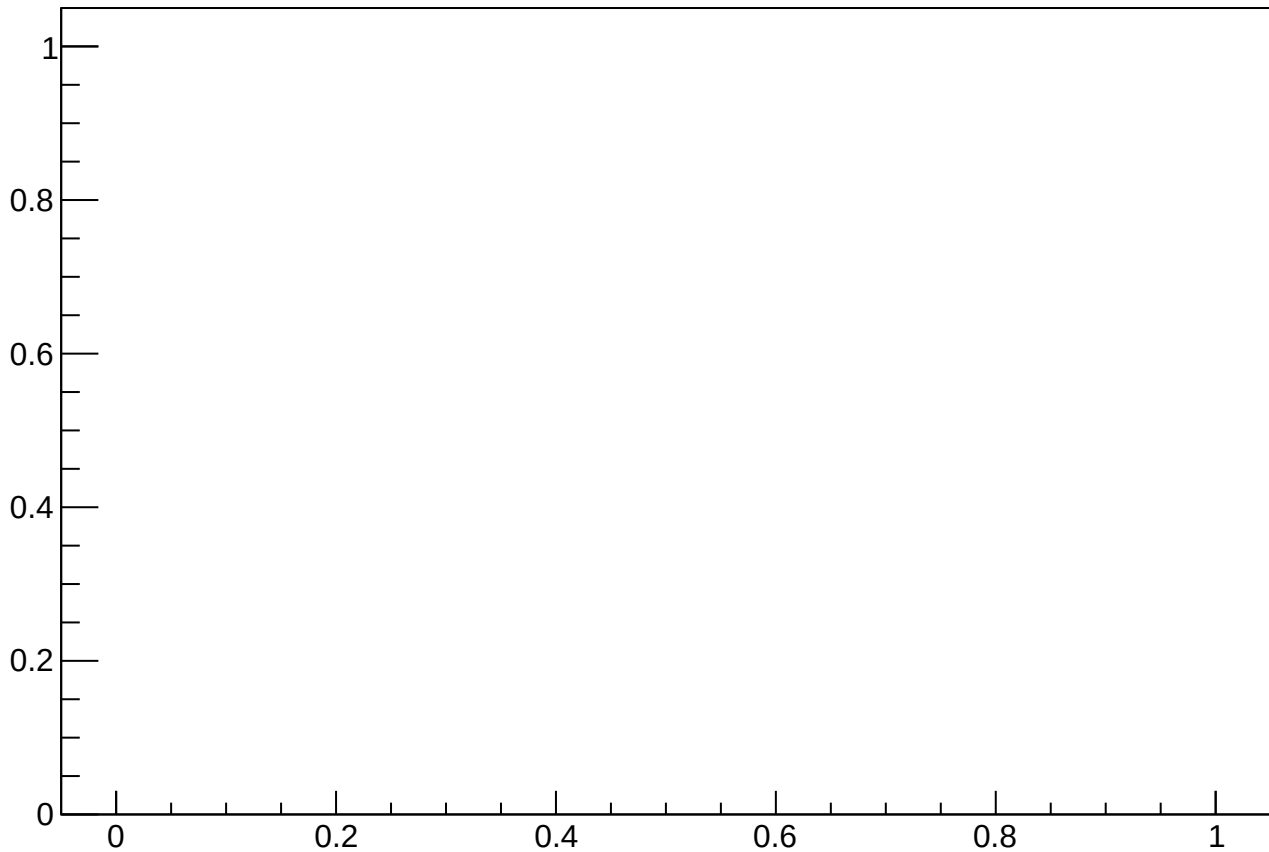
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

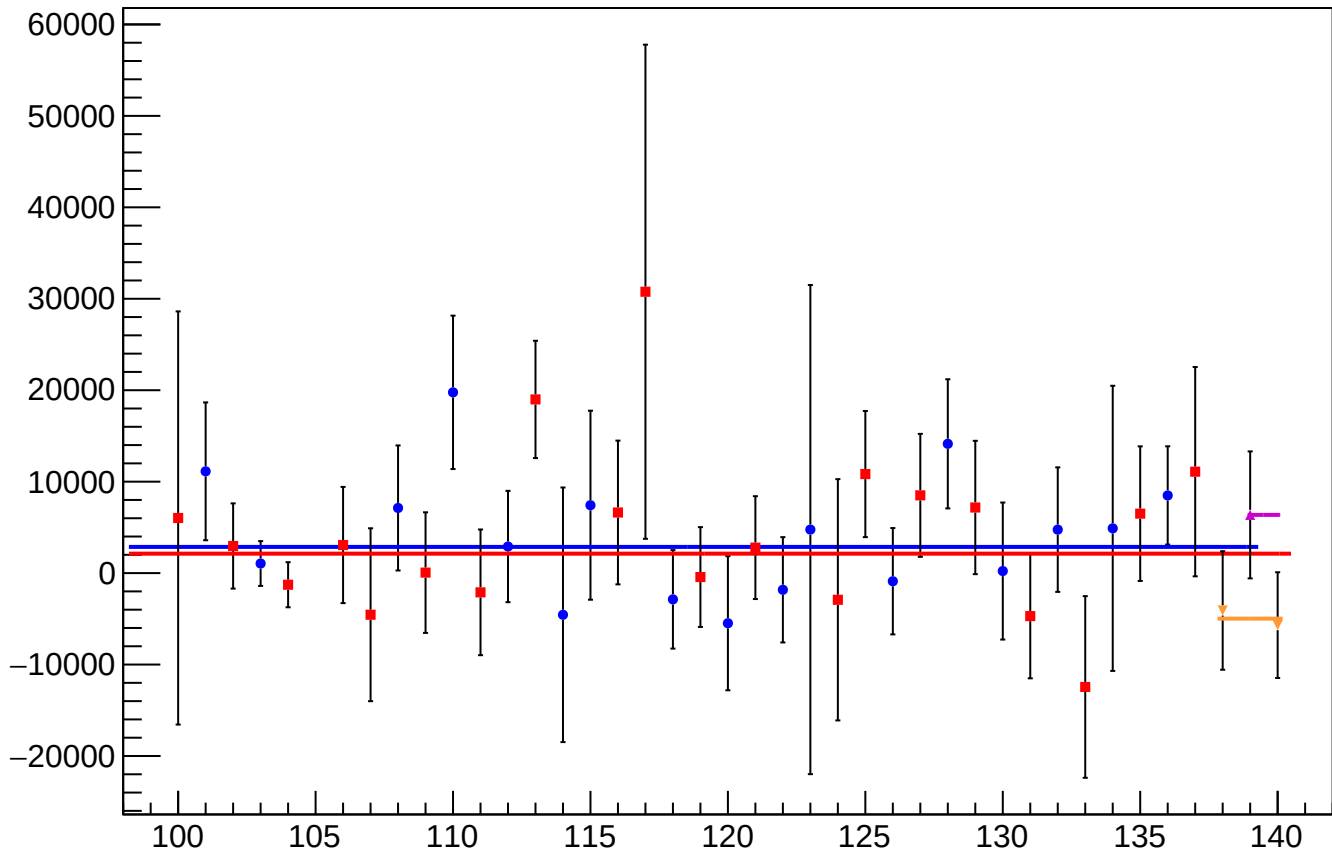
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -4977.977+/-4314.367 χ^2/NDF : 0.0/1

Right Out: 2126.105+/-1379.774 χ^2/NDF : 18.8/19

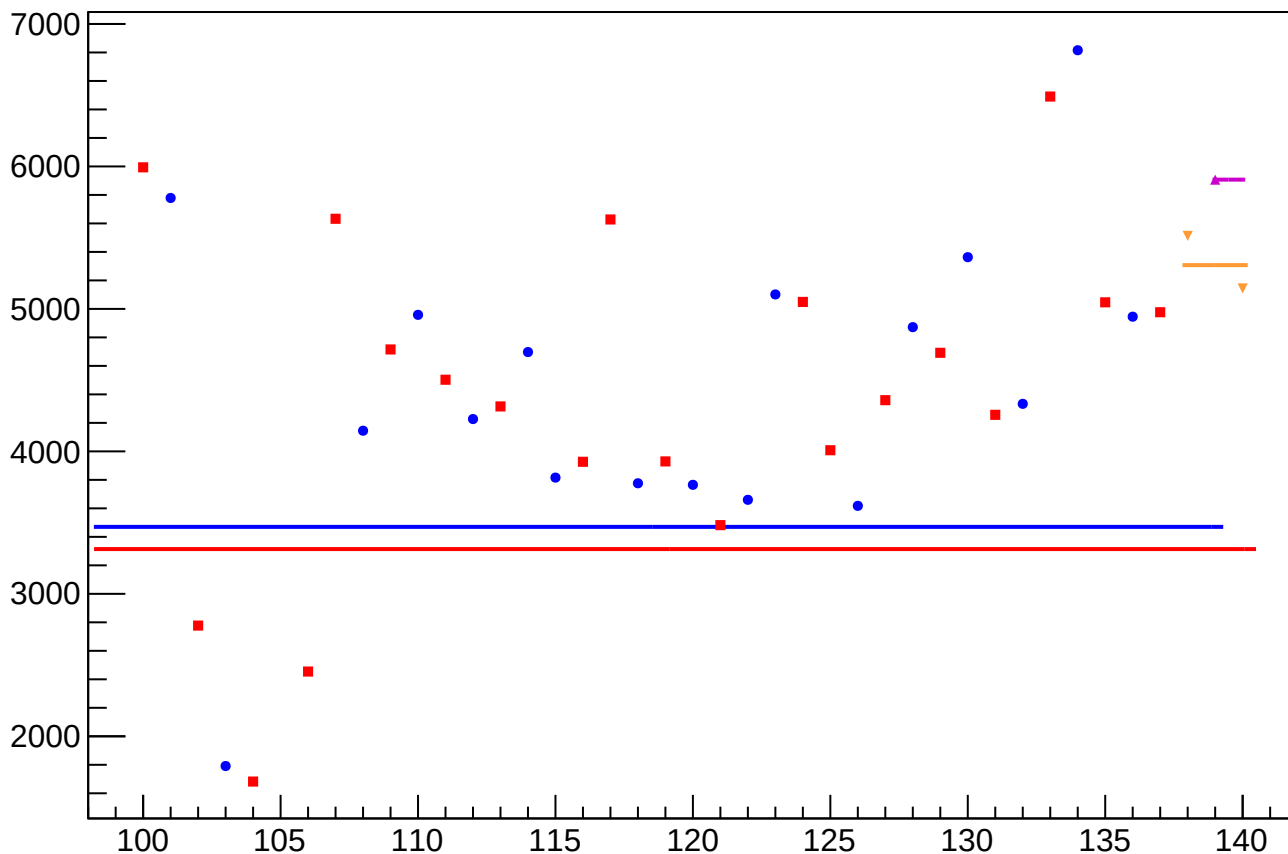
Left In: 6365.830+/-6943.264 χ^2/NDF : 0.0/0

2066.184+/-1376.714 χ^2/NDF : 17.1/18

2178.572+/-965.103 χ^2/NDF : 36.2/39

2287.171+/-1353.311 χ^2/NDF : 19.2/20

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: 5307.252 $\pm$ 3.051 χ^2 /NDF:3609.6/1

Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

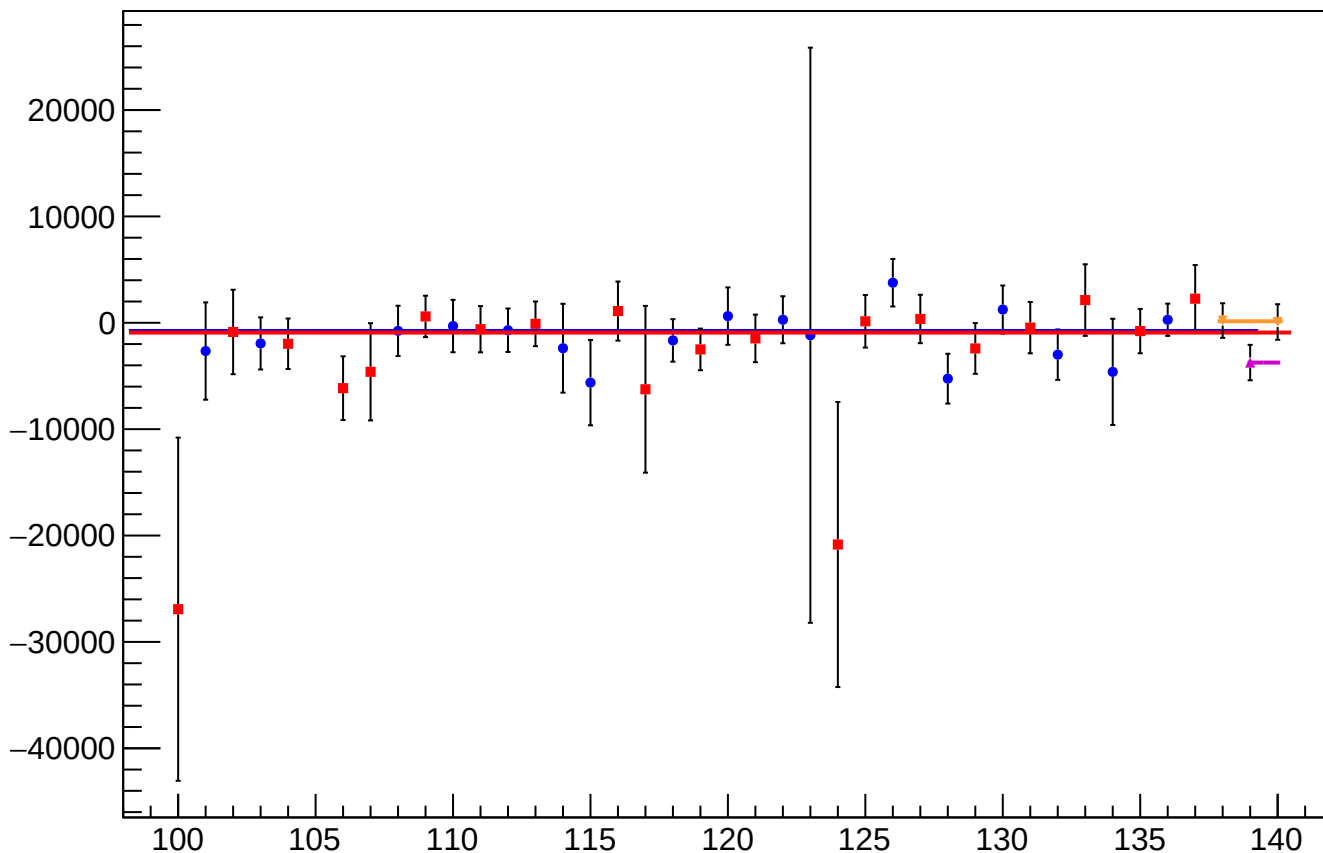
Left In: 5907.336 $\pm$ 4.910 χ^2 /NDF:0.0/0

3657.108 $\pm$ 0.973 χ^2 /NDF: 2090214.4/18

3530.851 $\pm$ 0.679 χ^2 /NDF: 4317050.4/39

3410.976 $\pm$ 0.949 χ^2 /NDF: 2194042.8/20

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: 143.054+/-1165.837 χ^2/NDF : 0.0/1

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

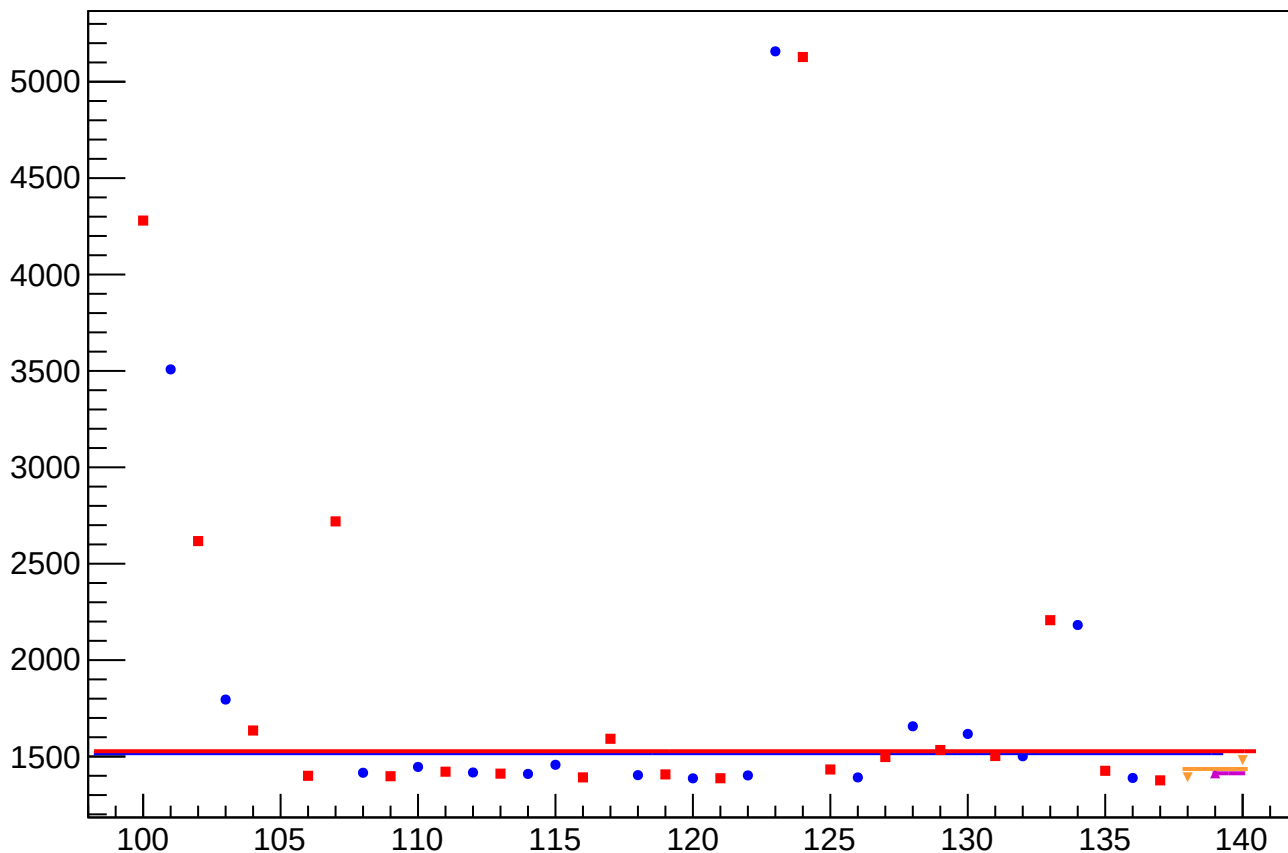
Left In: -3740.923+/-1664.560 χ^2/NDF : 0.0/0

-577.853+/-536.082 χ^2/NDF : 13.8/18

-892.442+/-386.882 χ^2/NDF : 31.0/39

-1234.380+/-558.900 χ^2/NDF : 16.5/20

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: 1435.457+/-0.824 χ^2/NDF : 2911.2/1

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1413.000+/-1.177 χ^2/NDF : 0.0/0

1500.022+/-0.379 χ^2/NDF : 547352.7/18

1506.951+/-0.274 χ^2/NDF : 1188249.4/39

1514.483+/-0.395 χ^2/NDF : 640199.3/20

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

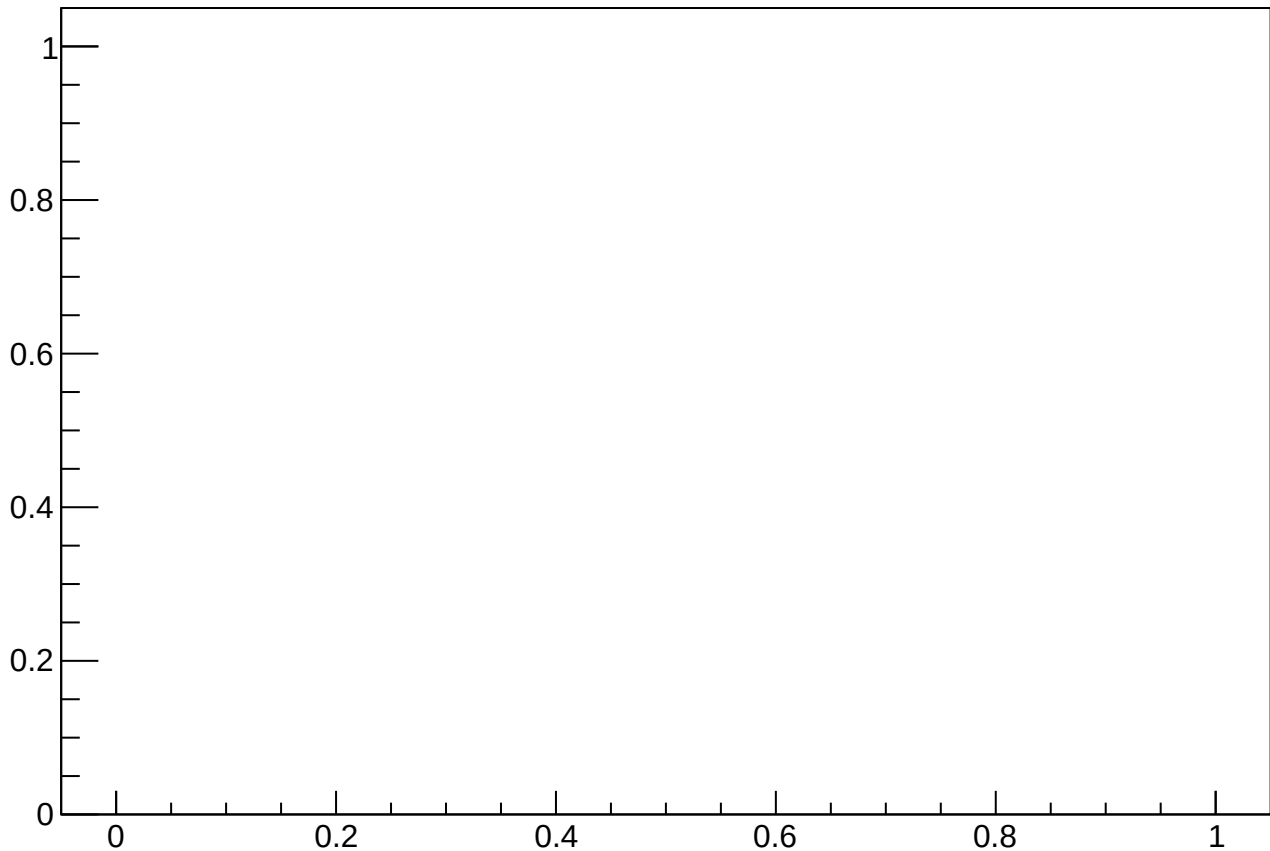
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

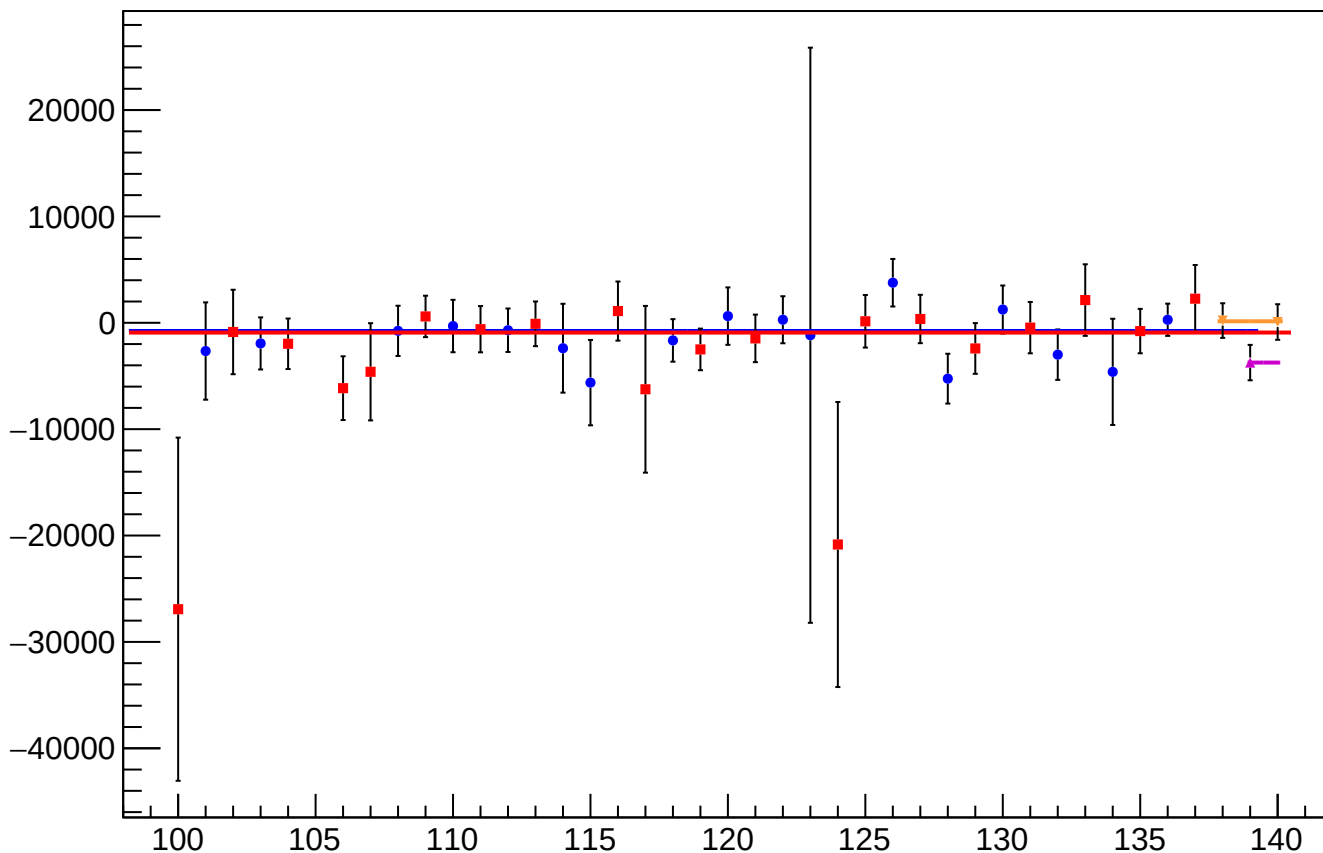
asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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: 143.054+/-1165.837 χ^2/NDF : 0.0/1

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

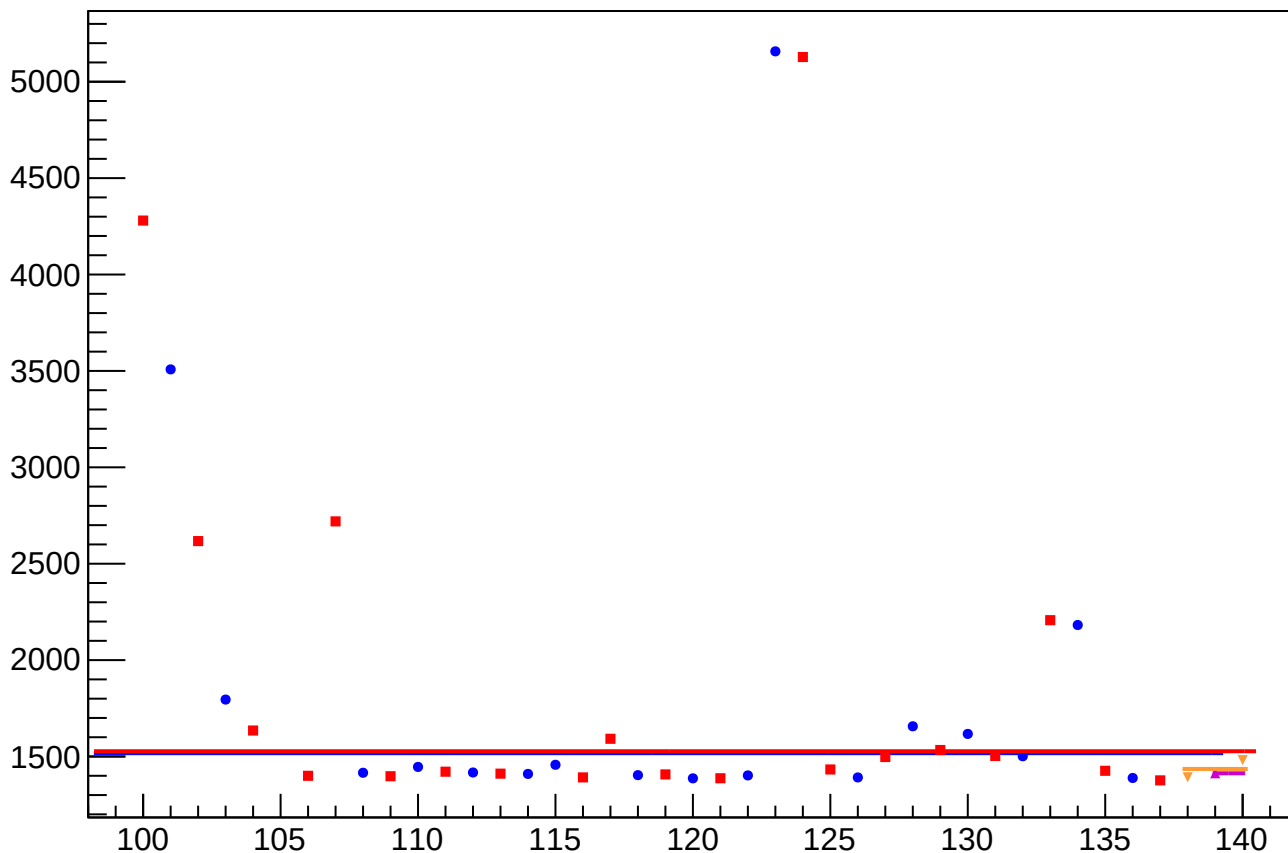
Left In: -3740.923+/-1664.560 χ^2/NDF : 0.0/0

-577.853+/-536.082 χ^2/NDF : 13.8/18

-892.442+/-386.882 χ^2/NDF : 31.0/39

-1234.380+/-558.900 χ^2/NDF : 16.5/20

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: 1435.457+/-0.824 χ^2/NDF : 2911.2/1

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

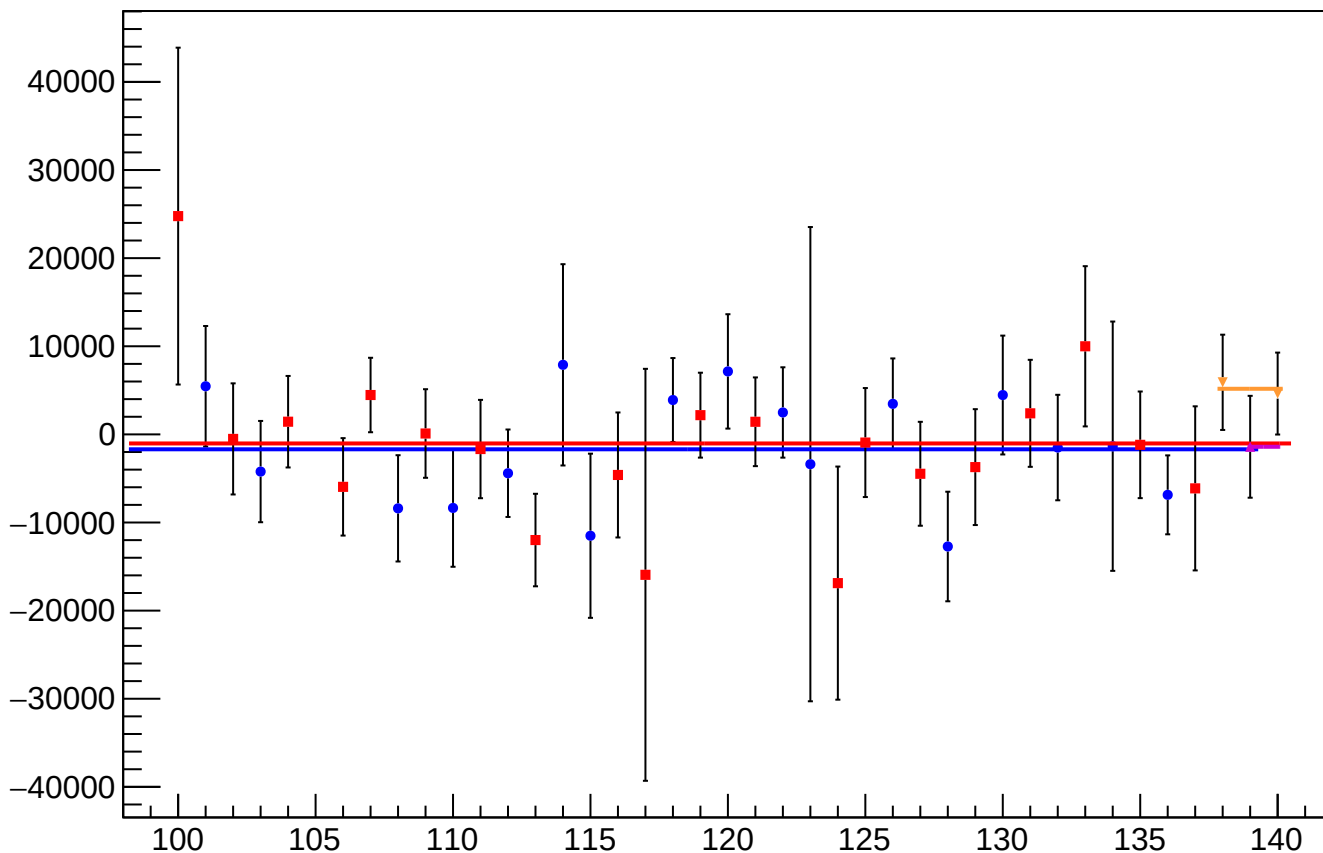
Left In: 1413.000+/-1.177 χ^2/NDF : 0.0/0

1500.022+/-0.379 χ^2/NDF : 547352.7/18

1506.951+/-0.274 χ^2/NDF : 1188249.4/39

1514.483+/-0.395 χ^2/NDF : 640199.3/20

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 5175.069 $\pm$ 3524.577 χ^2 /NDF:0.0/1

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

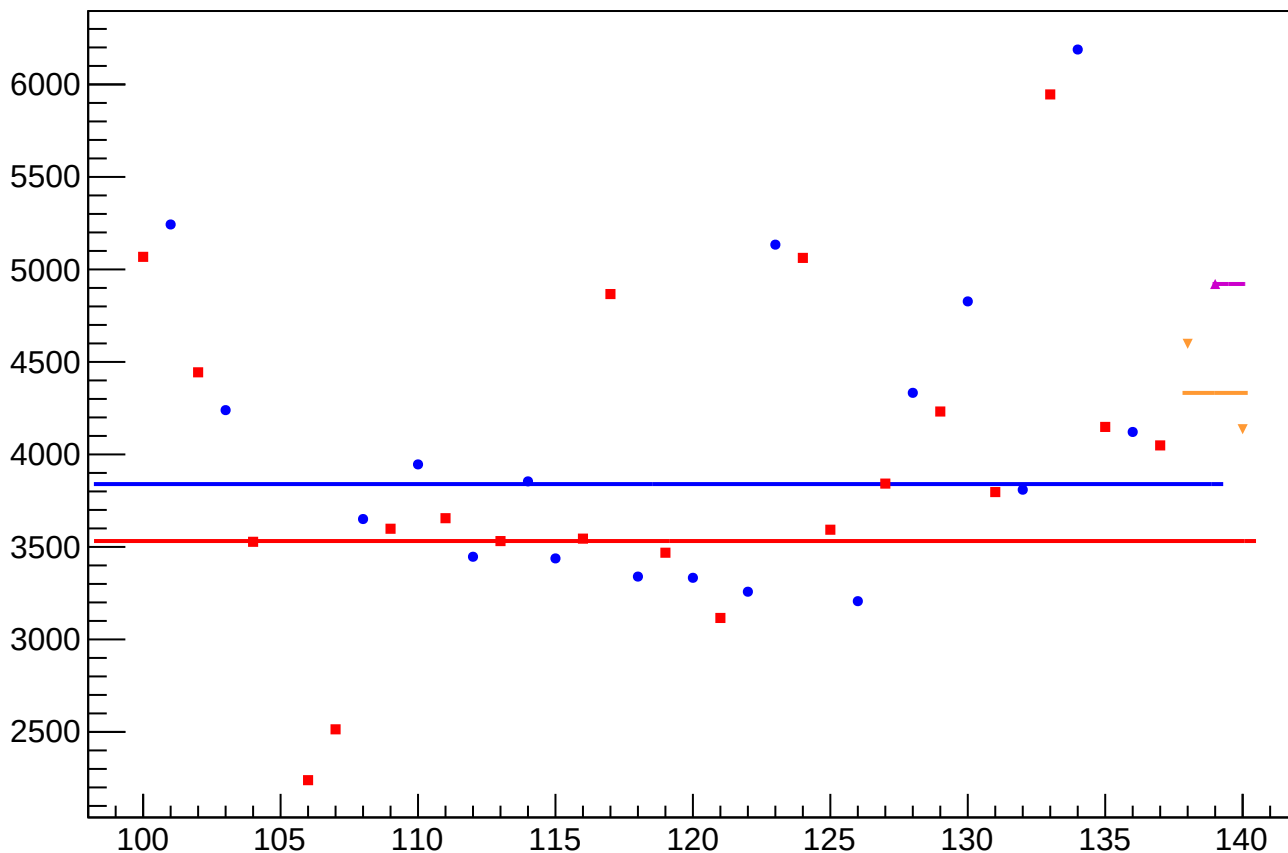
Left In: -1406.211 $\pm$ 5780.732 χ^2 /NDF:0.0/0

-624.066 $\pm$ 1390.264 χ^2 /NDF: 19.1/18

-845.006 $\pm$ 964.446 χ^2 /NDF: 33.5/39

-1049.967 $\pm$ 1339.044 χ^2 /NDF: 14.3/20

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: 4332.586+/-2.492 χ^2/NDF : 8385.1/1

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

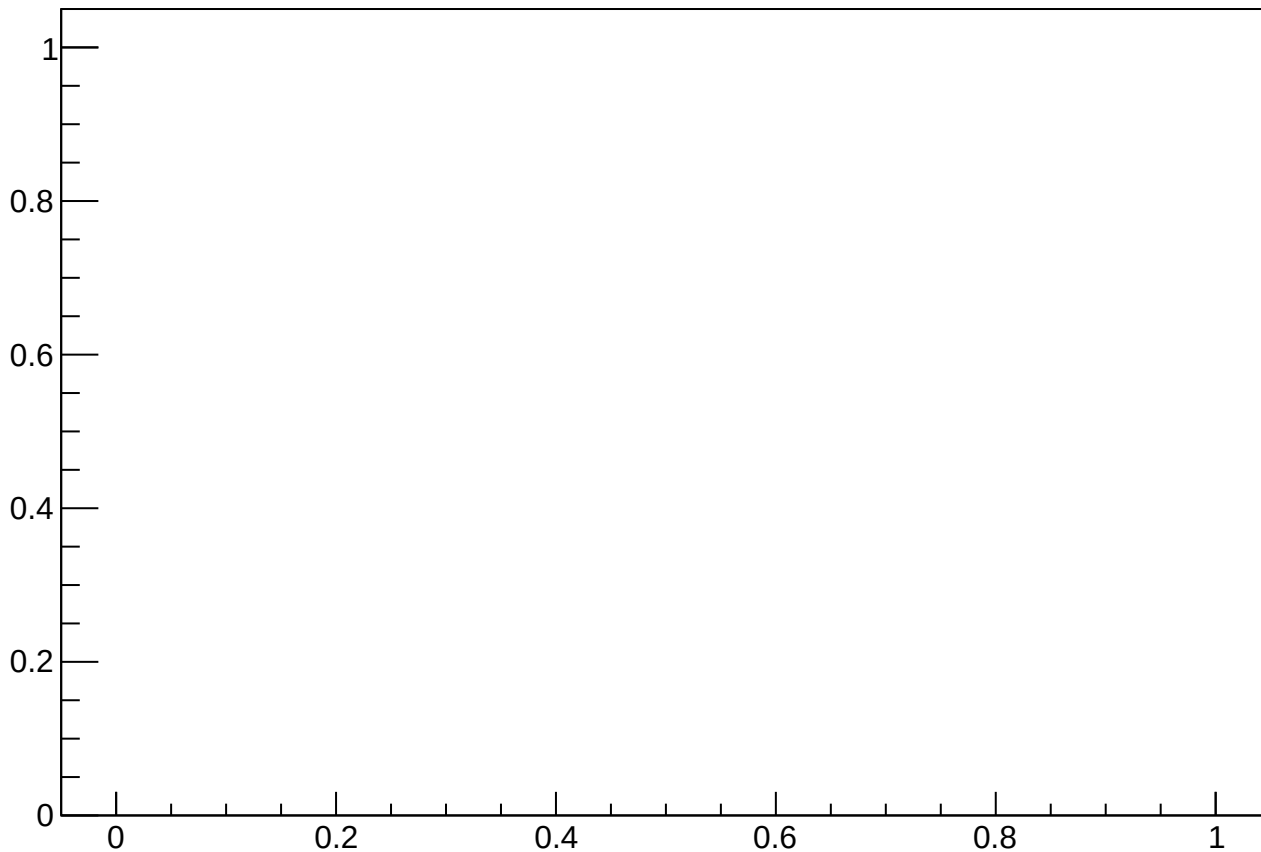
Left In: 4921.374+/-4.088 χ^2/NDF : 0.0/0

3916.428+/-0.983 χ^2/NDF : 367364.3/18

3753.621+/-0.679 χ^2/NDF : 1090592.7/39

3605.163+/-0.939 χ^2/NDF : 670789.1/20

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

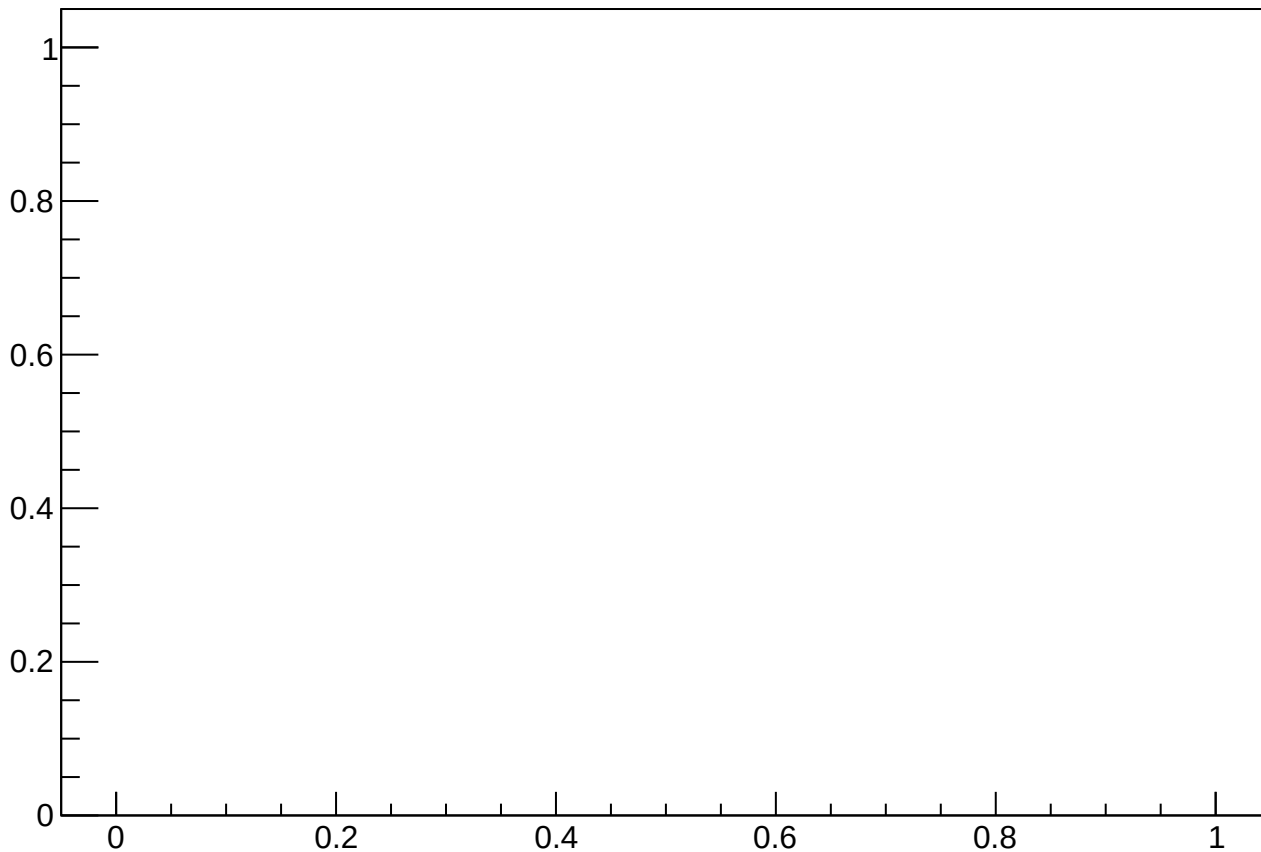
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

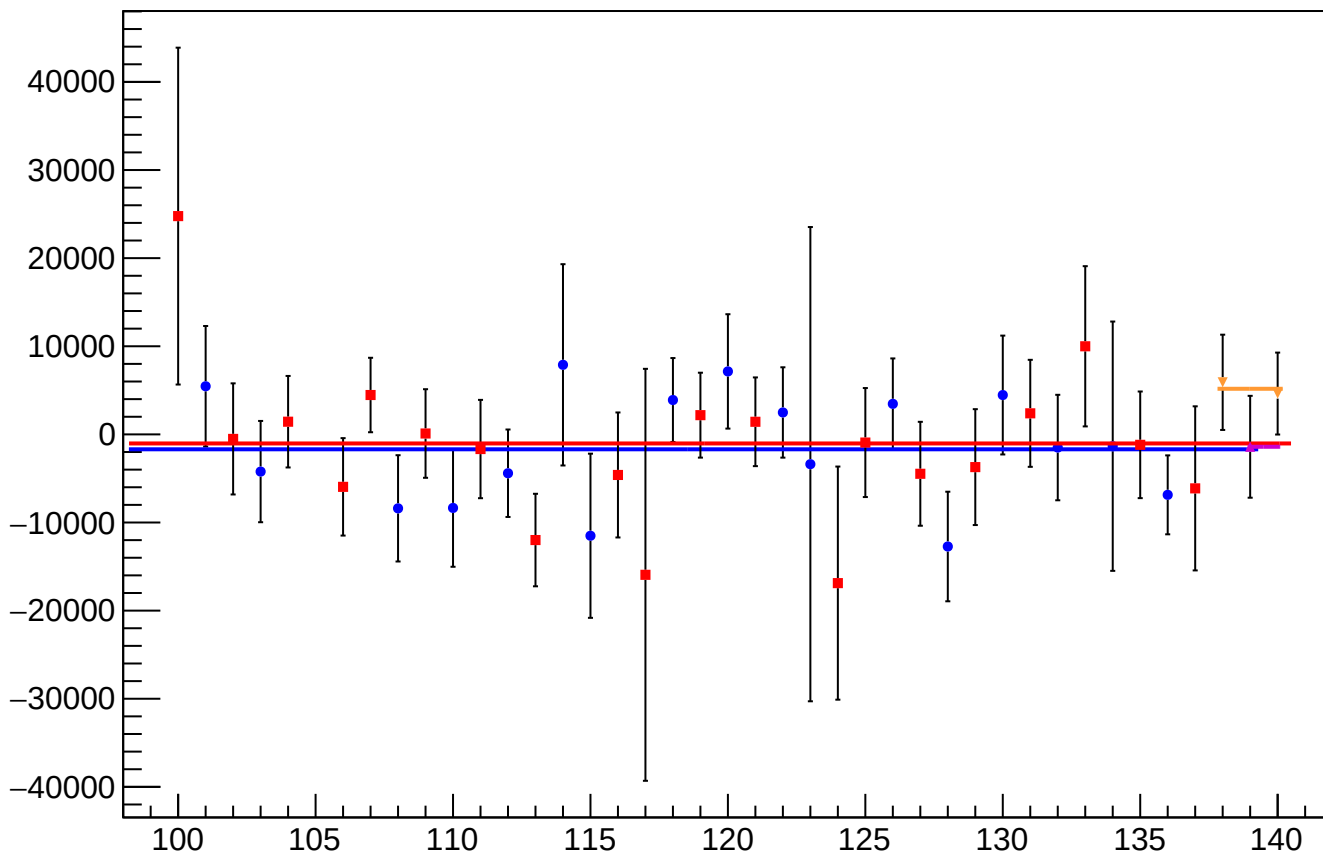
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 5175.069 $\pm$ 3524.577 χ^2 /NDF: 0.0/1

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

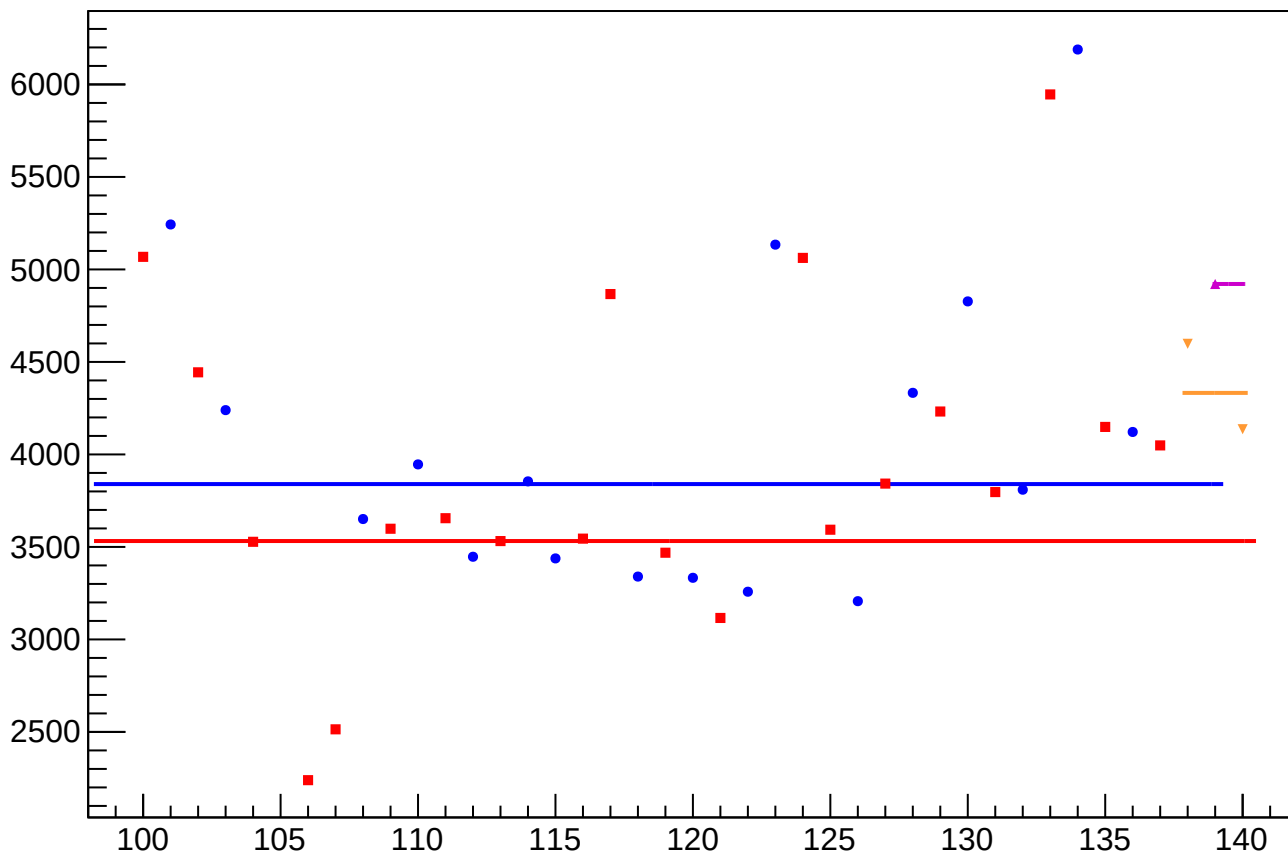
Left In: -1406.211 $\pm$ 5780.732 χ^2 /NDF: 0.0/0

-624.066 $\pm$ 1390.264 χ^2 /NDF: 19.1/18

-845.006 $\pm$ 964.446 χ^2 /NDF: 33.5/39

-1049.967 $\pm$ 1339.044 χ^2 /NDF: 14.3/20

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: 4332.586+/-2.492 χ^2/NDF : 8385.1/1

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

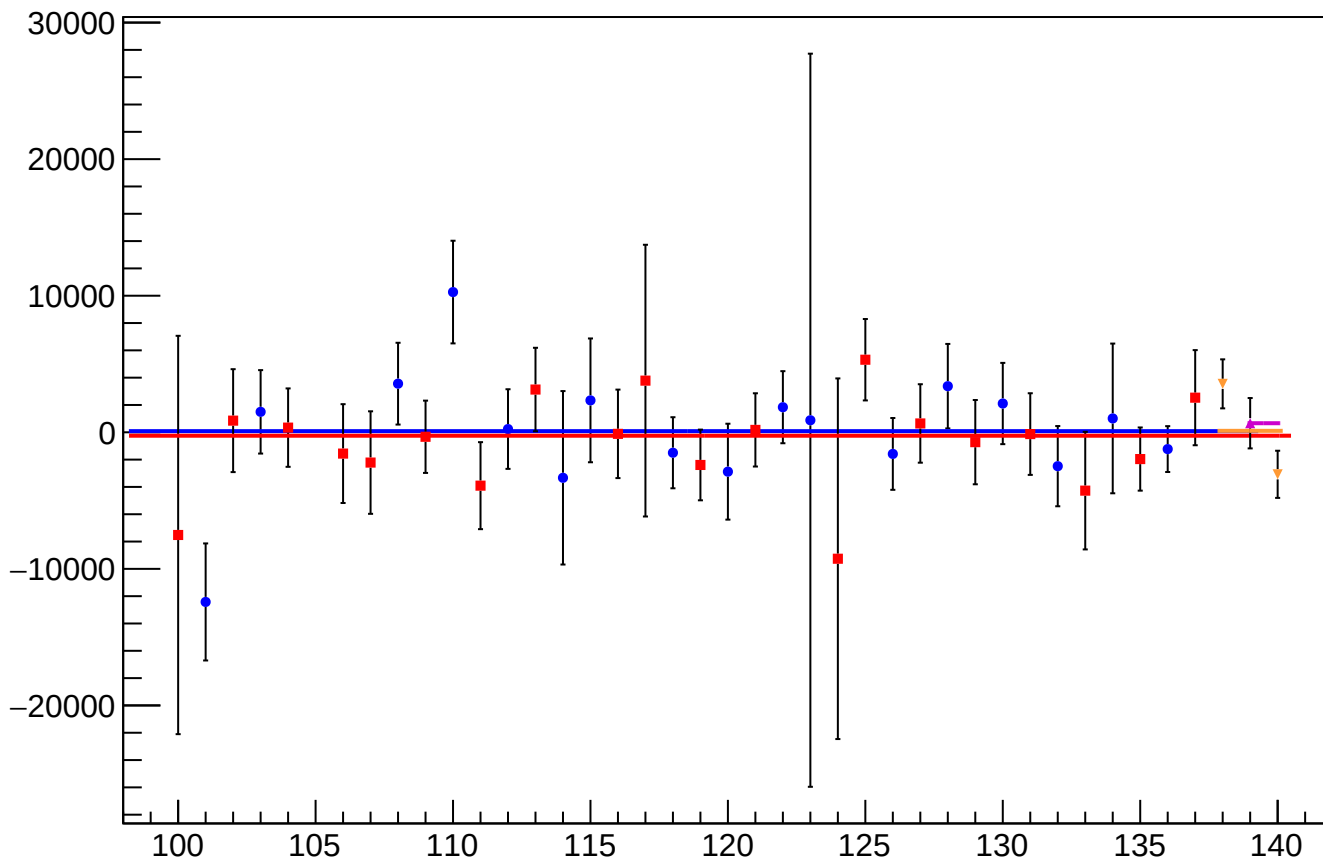
Left In: 4921.374+/-4.088 χ^2/NDF : 0.0/0

3916.428+/-0.983 χ^2/NDF : 367364.3/18

3753.621+/-0.679 χ^2/NDF : 1090592.7/39

3605.163+/-0.939 χ^2/NDF : 670789.1/20

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: 106.188 $\pm$ 1244.254 χ^2 /NDF: 7.1/1

Right Out: -250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

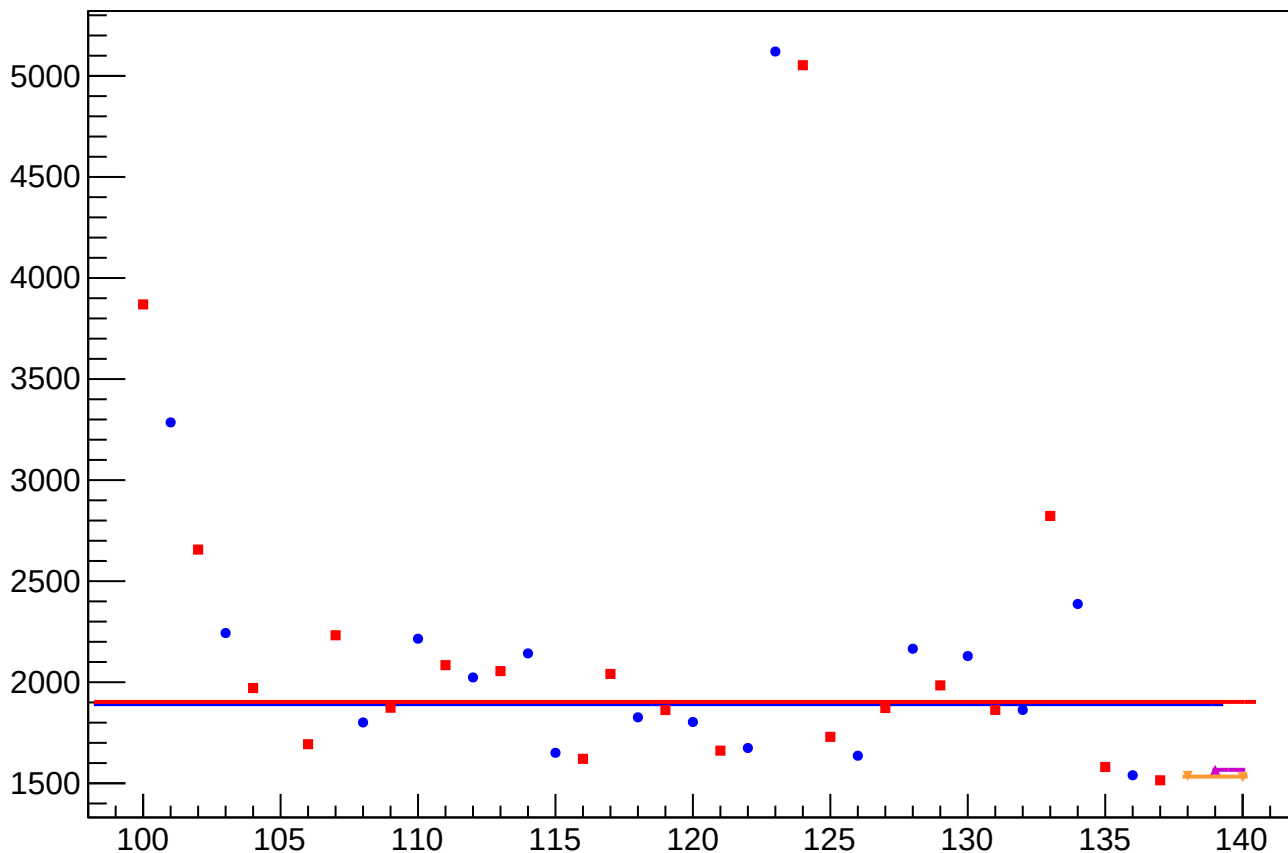
Left In: 664.634 $\pm$ 1844.293 χ^2 /NDF: 0.0/0

89.817 $\pm$ 642.678 χ^2 /NDF: 30.0/18

-11.995 $\pm$ 467.231 χ^2 /NDF: 40.6/39

-126.132 $\pm$ 680.469 χ^2 /NDF: 10.5/20

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1533.010+/-0.880 χ^2/NDF : 15.1/1

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

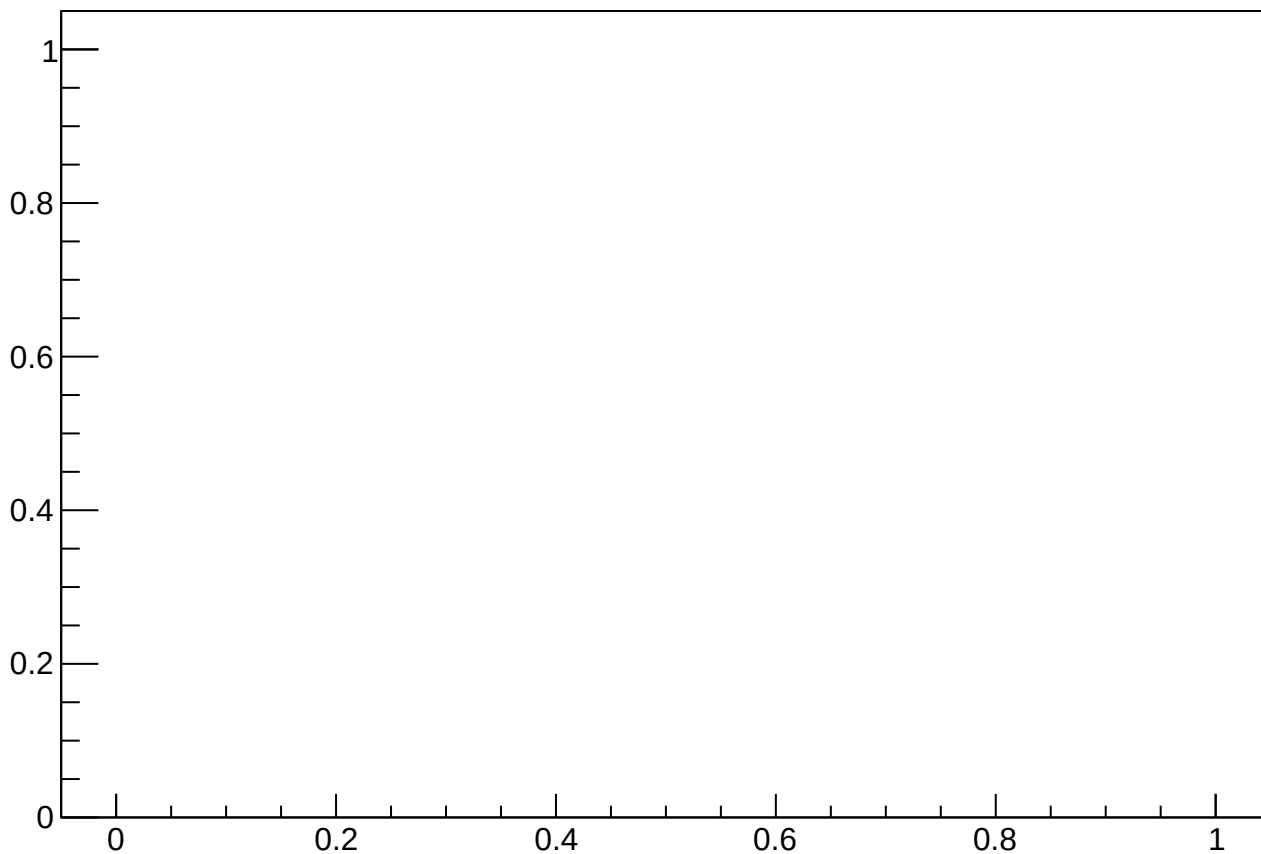
Left In: 1566.640+/-1.304 χ^2/NDF : 0.0/0

1795.854+/-0.454 χ^2/NDF : 586237.1/18

1824.599+/-0.330 χ^2/NDF : 1113116.1/39

1856.824+/-0.481 χ^2/NDF : 518392.3/20

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

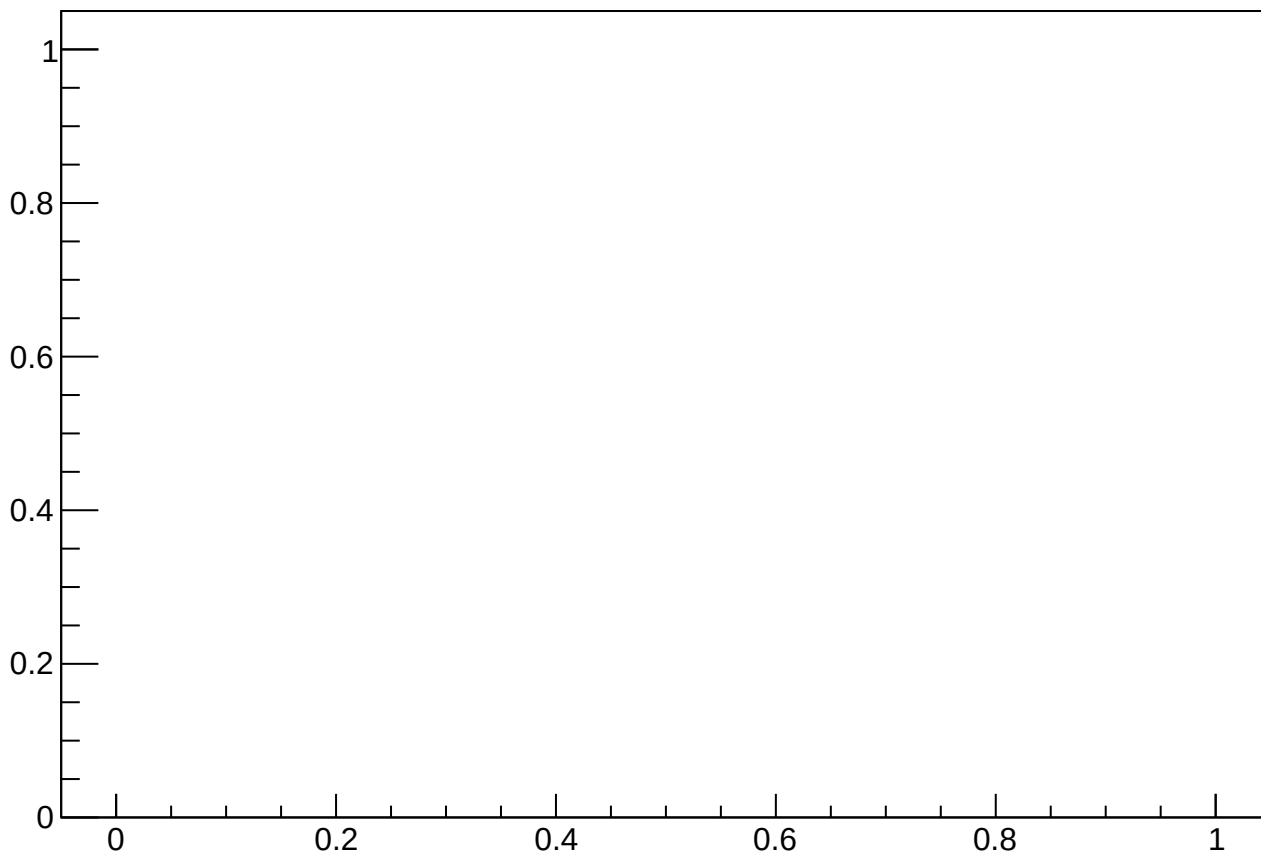
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

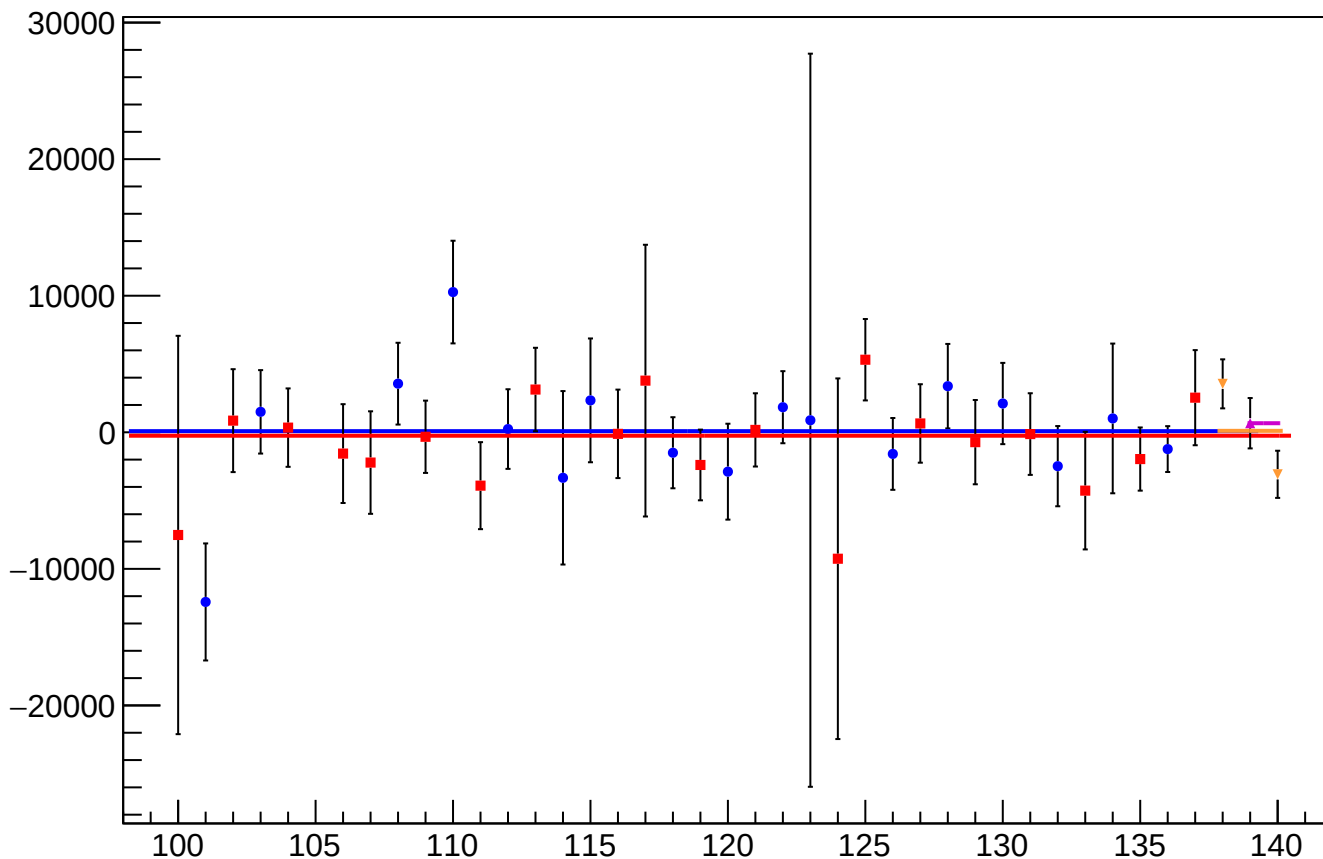
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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: 106.188+/-1244.254 χ^2/NDF : 7.1/1

Right Out: -250.743+/-732.124 χ^2/NDF : 10.3/19

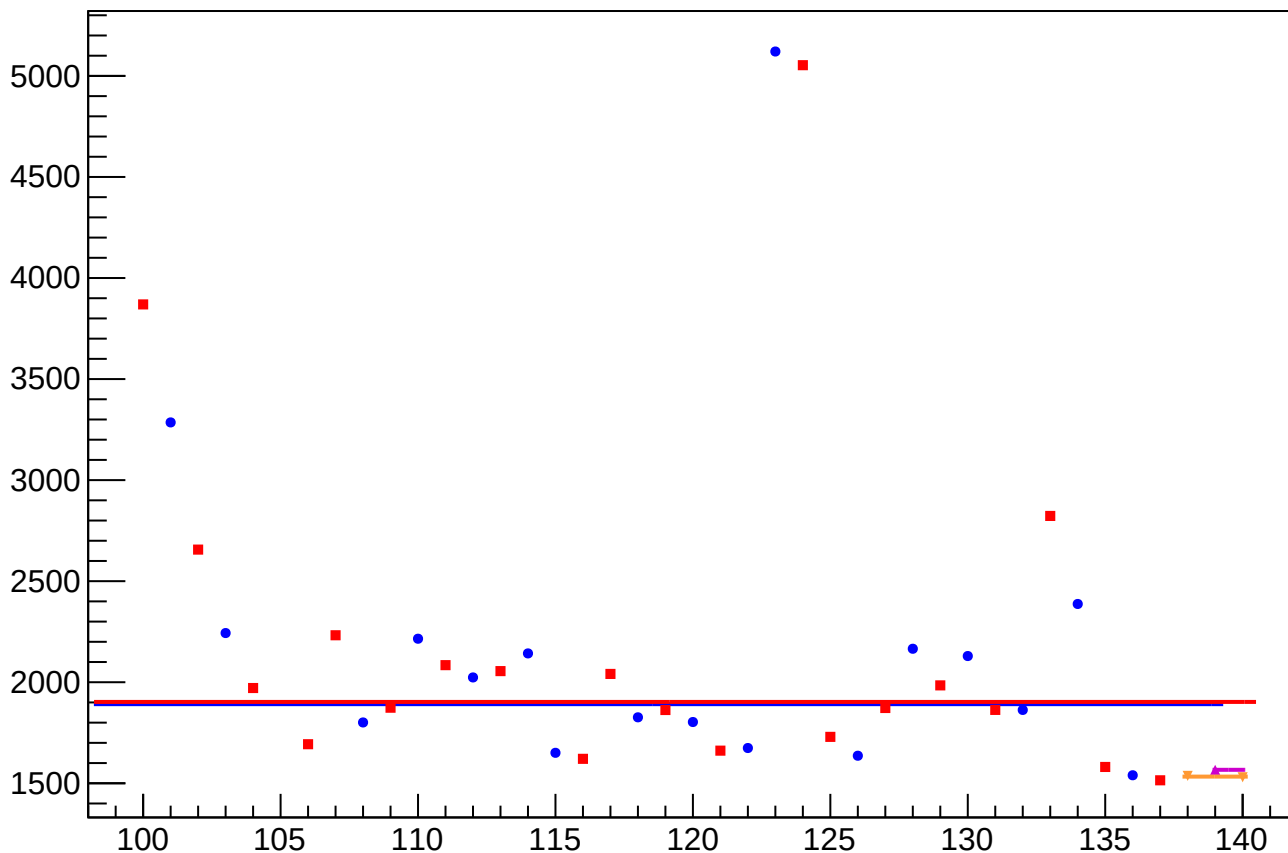
Left In: 664.634+/-1844.293 χ^2/NDF : 0.0/0

89.817+/-642.678 χ^2/NDF : 30.0/18

-11.995+/-467.231 χ^2/NDF : 40.6/39

-126.132+/-680.469 χ^2/NDF : 10.5/20

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1533.010+/-0.880 χ^2/NDF : 15.1/1

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

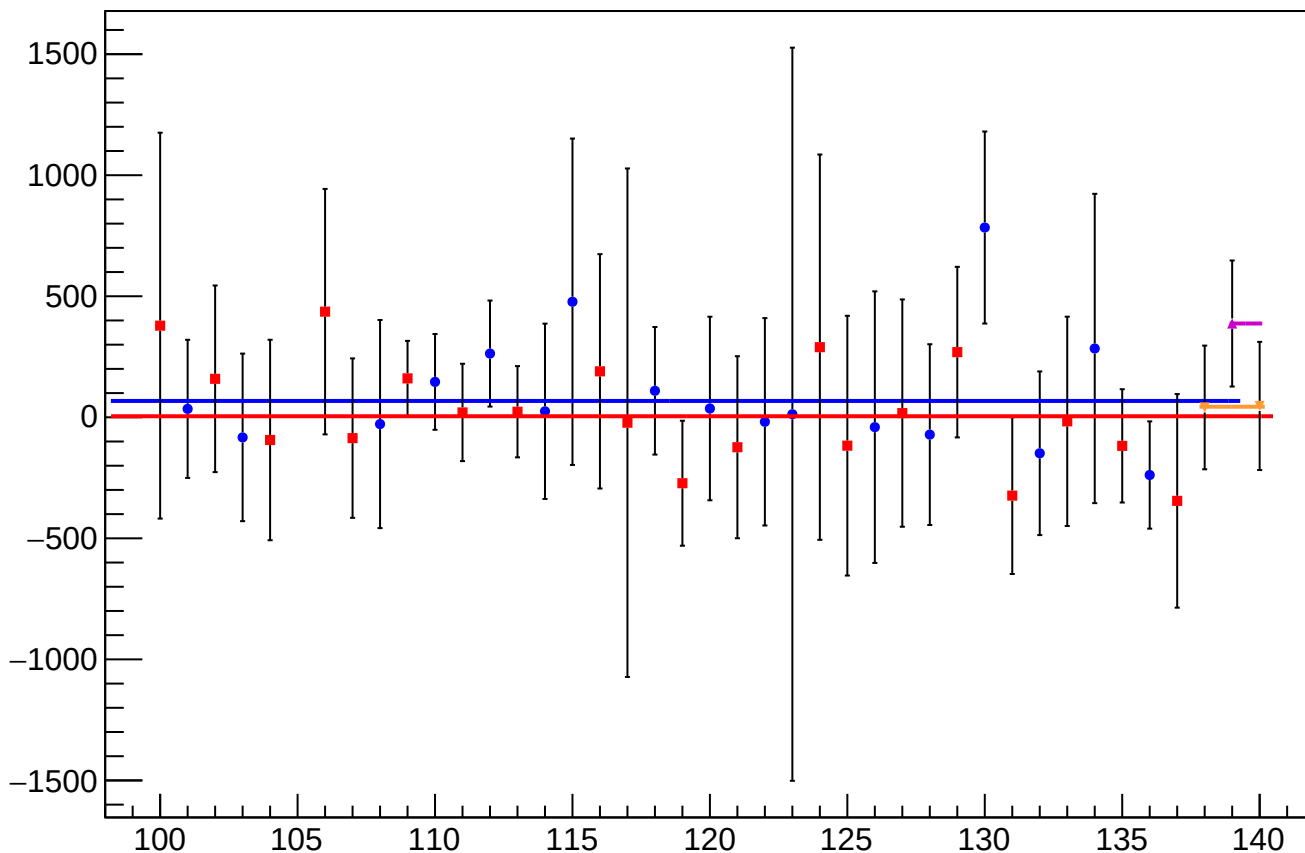
Left In: 1566.640+/-1.304 χ^2/NDF : 0.0/0

1795.854+/-0.454 χ^2/NDF : 586237.1/18

1824.599+/-0.330 χ^2/NDF : 1113116.1/39

1856.824+/-0.481 χ^2/NDF : 518392.3/20

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: 43.687 $\pm$ 183.834 χ^2 /NDF: 0.0/1

Right Out: 4.305 $\pm$ 69.854 χ^2 /NDF: 6.4/19

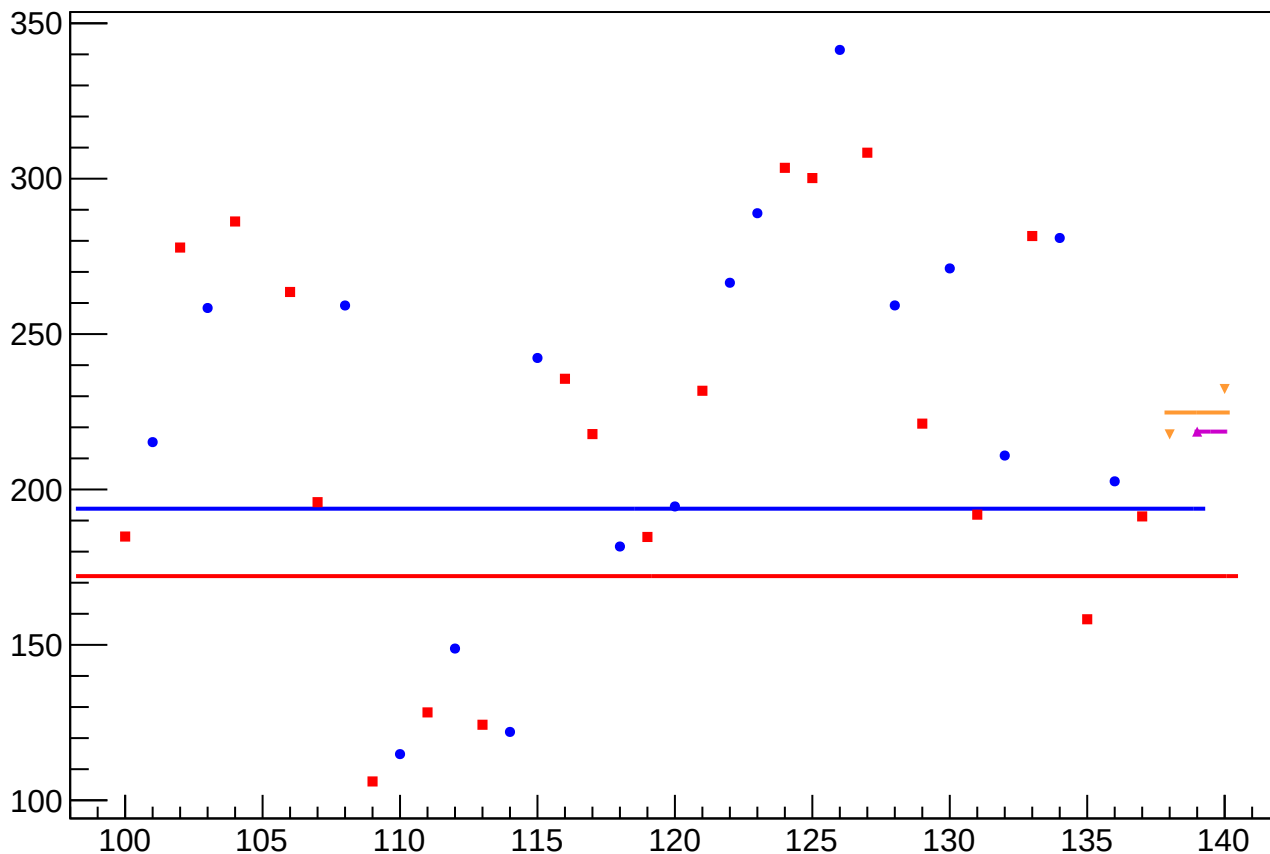
Left In: 387.390 $\pm$ 260.301 χ^2 /NDF: 0.0/0

63.775 $\pm$ 73.052 χ^2 /NDF: 7.5/18

45.568 $\pm$ 49.563 χ^2 /NDF: 16.0/39

30.040 $\pm$ 67.467 χ^2 /NDF: 8.4/20

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: 224.769+/-0.130 χ^2/NDF :3148.1/1

Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

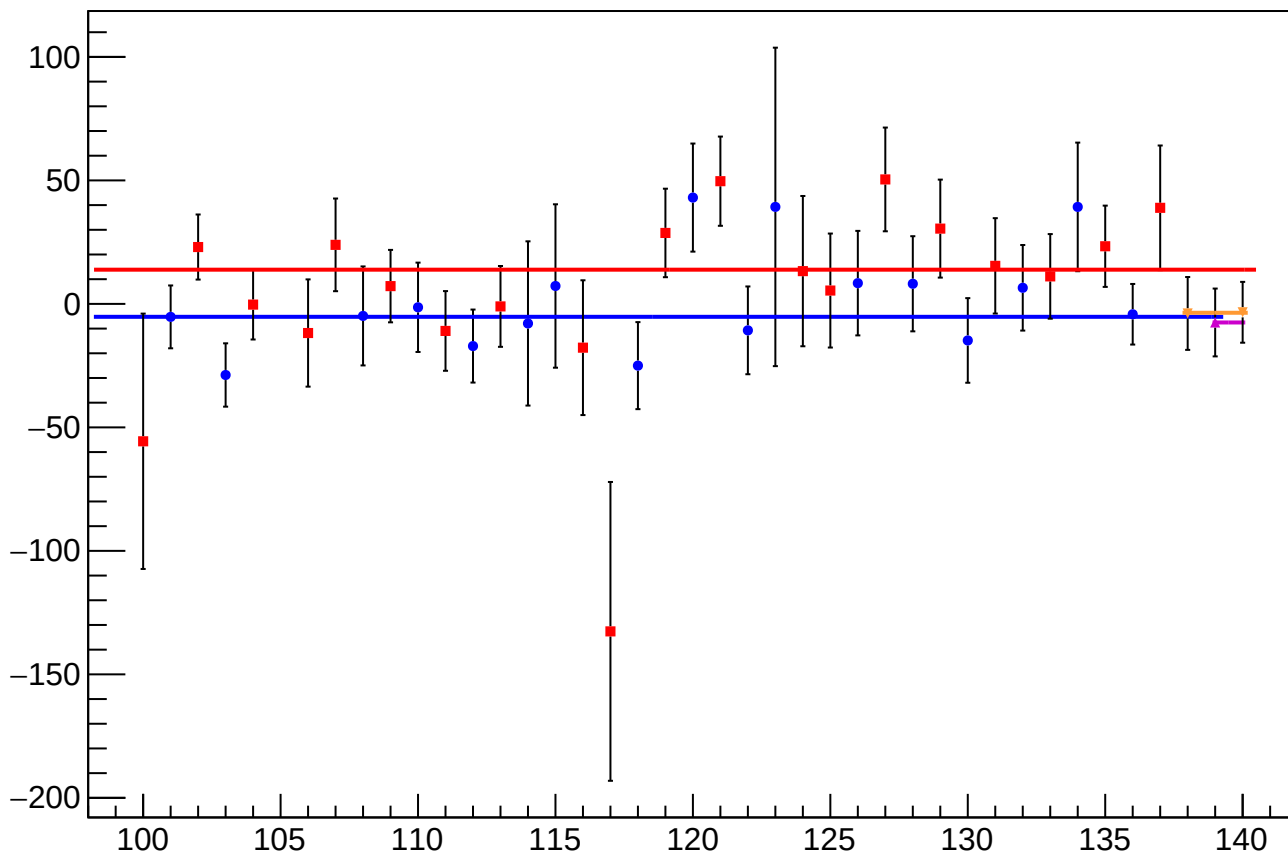
Left In: 218.620+/-0.184 χ^2/NDF :0.0/0

198.703+/-0.052 χ^2/NDF : 1061221.0/18

186.044+/-0.035 χ^2/NDF : 2812912.1/39

175.247+/-0.048 χ^2/NDF : 1640409.1/20

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: -3.594 ± 9.453 χ^2/NDF : 0.0/1

Right Out: 13.851 ± 4.255 χ^2/NDF : 25.4/19

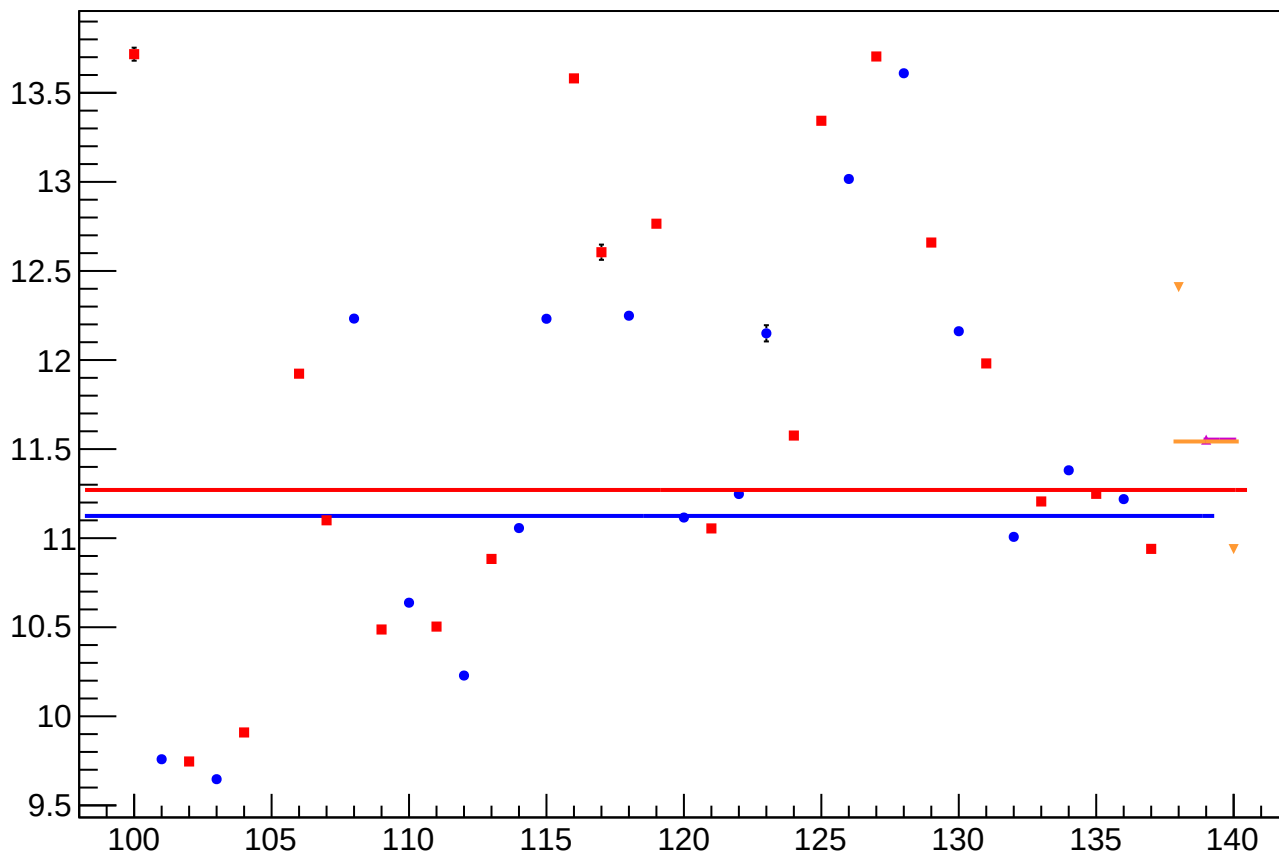
Left In: -7.523 ± 13.730 χ^2/NDF : 0.0/0

-4.944 ± 3.956 χ^2/NDF : 15.5/18

3.290 ± 2.835 χ^2/NDF : 52.1/39

11.979 ± 4.064 χ^2/NDF : 27.6/20

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: 11.543 $\pm$ 0.007 χ^2 /NDF: 11714.1/1

Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

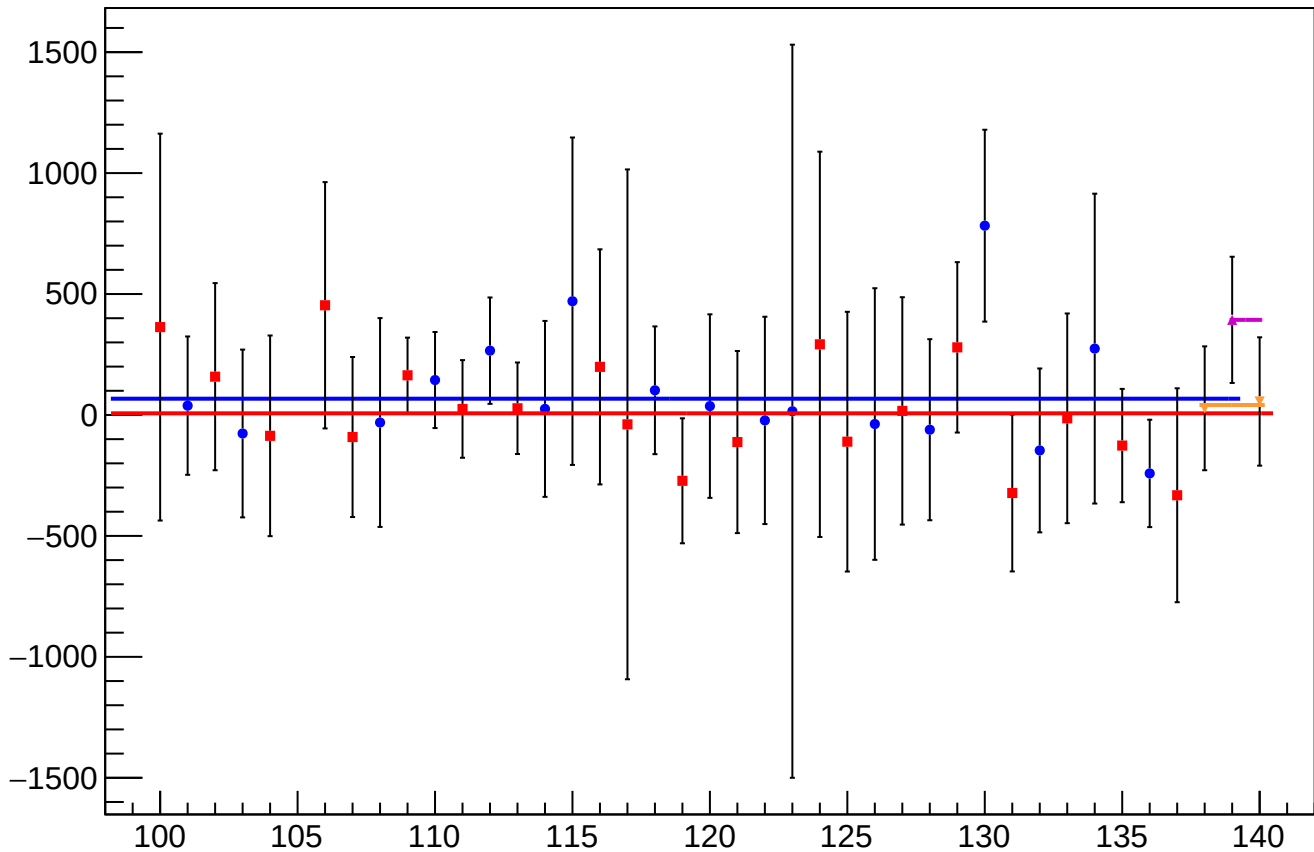
Left In: 11.553 $\pm$ 0.010 χ^2 /NDF: 0.0/0

11.198 $\pm$ 0.003 χ^2 /NDF: 147458.4/18

11.245 $\pm$ 0.002 χ^2 /NDF: 297532.4/39

11.295 $\pm$ 0.003 χ^2 /NDF: 149484.9/20

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: 41.186 $\pm$ 184.262 χ^2/NDF : 0.0/1

Right Out: 6.837 $\pm$ 70.057 χ^2/NDF : 6.4/19

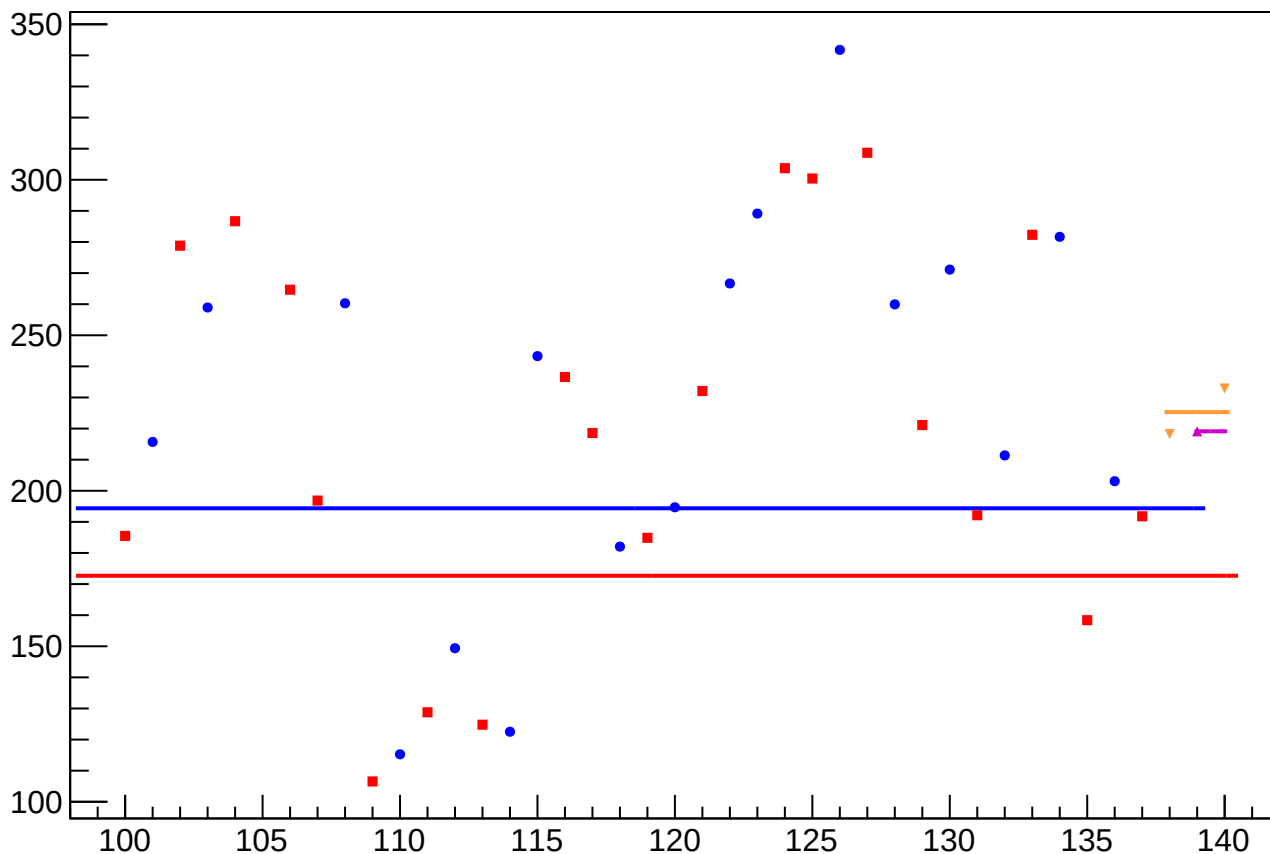
Left In: 393.261 $\pm$ 260.895 χ^2/NDF : 0.0/0

63.178 $\pm$ 73.241 χ^2/NDF : 7.5/18

46.802 $\pm$ 49.699 χ^2/NDF : 16.1/39

32.826 $\pm$ 67.660 χ^2/NDF : 8.5/20

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: 225.290 ± 0.130 χ^2/NDF : 3162.2/1

Right Out: 172.675 ± 0.050 χ^2/NDF : 1573459.1/19

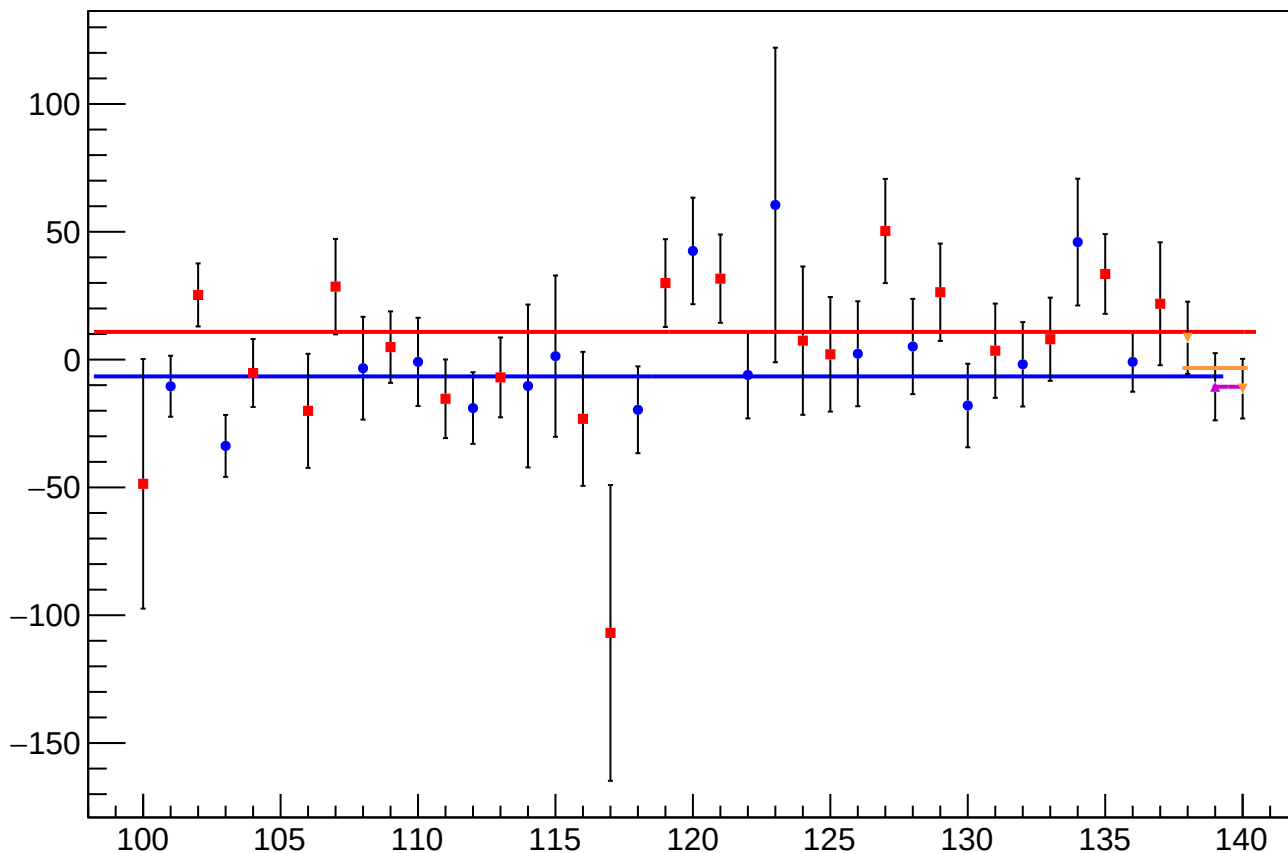
Left In: 219.118 ± 0.184 χ^2/NDF : 0.0/0

199.251 ± 0.052 χ^2/NDF : 1055831.6/18

186.597 ± 0.035 χ^2/NDF : 2799049.6/39

175.799 ± 0.048 χ^2/NDF : 1632574.7/20

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: -3.280+/-8.996 χ^2/NDF : 1.2/1

Right Out: 10.838+/-4.070 χ^2/NDF : 27.1/19

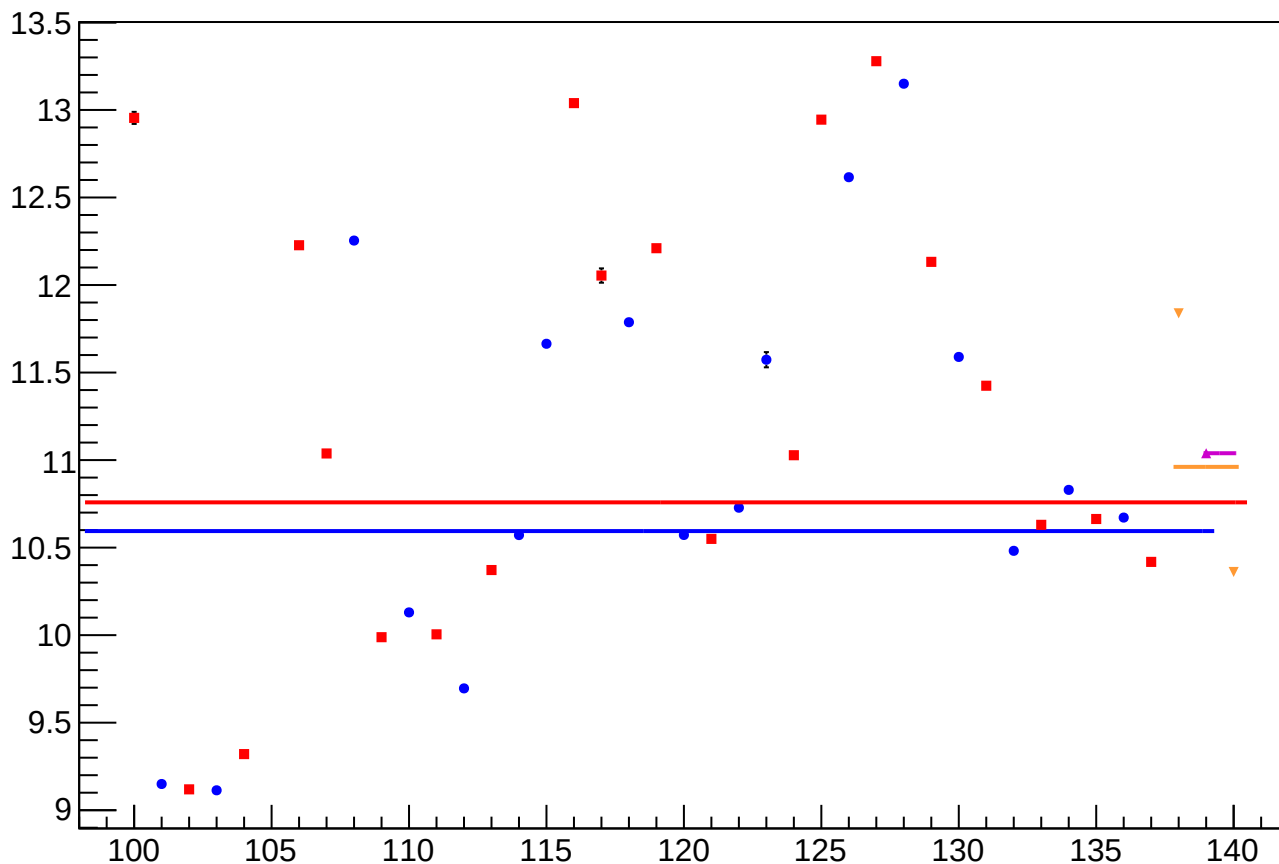
Left In: -10.617+/-13.145 χ^2/NDF : 0.0/0

-5.996+/-3.774 χ^2/NDF : 20.6/18

1.260+/-2.708 χ^2/NDF : 57.8/39

8.961+/-3.888 χ^2/NDF : 29.6/20

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: 10.961 $\pm$ 0.006 χ^2 /NDF:13013.5/1

Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 178180.9/19

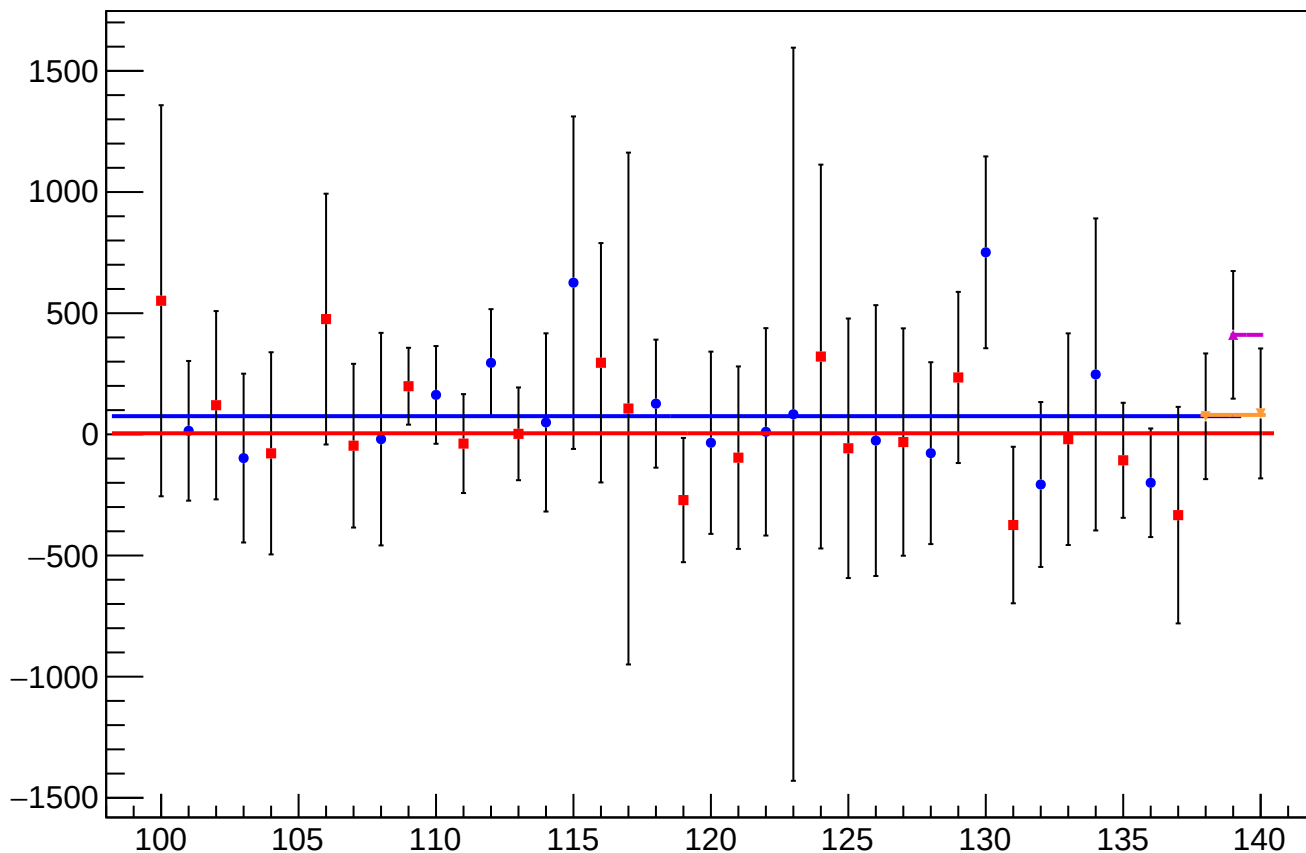
Left In: 11.039 $\pm$ 0.009 χ^2 /NDF:0.0/0

10.659 $\pm$ 0.003 χ^2 /NDF: 175811.1/18

10.719 $\pm$ 0.002 χ^2 /NDF: 355872.0/39

10.783 $\pm$ 0.003 χ^2 /NDF: 179013.0/20

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: 80.286 $\pm$ 186.418 χ^2 /NDF: 0.0/1

Right Out: 4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

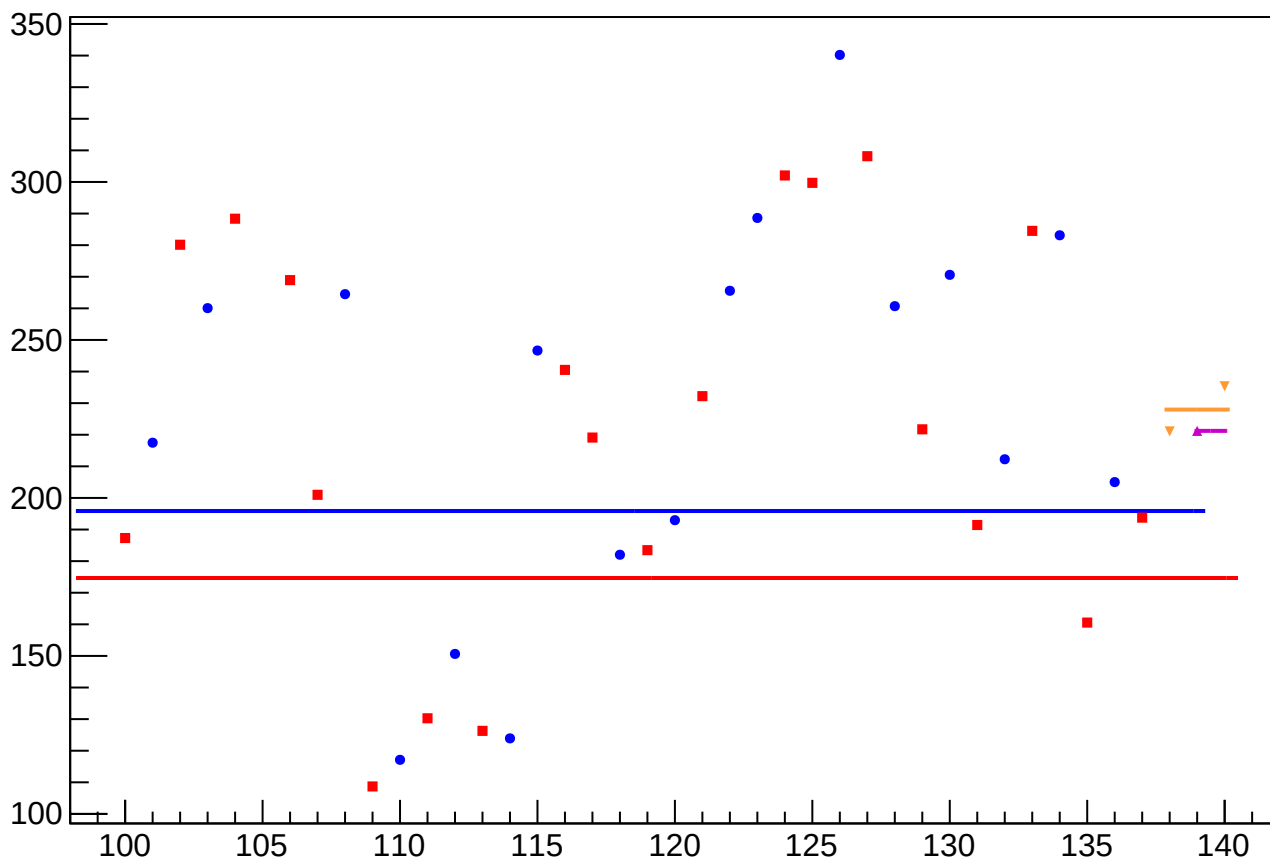
Left In: 410.643 $\pm$ 263.367 χ^2 /NDF: 0.0/0

75.901 $\pm$ 73.789 χ^2 /NDF: 7.7/18

52.140 $\pm$ 50.125 χ^2 /NDF: 17.4/39

31.780 $\pm$ 68.304 χ^2 /NDF: 9.6/20

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: 227.964 $\pm$ 0.132 χ^2 /NDF:2931.0/1

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

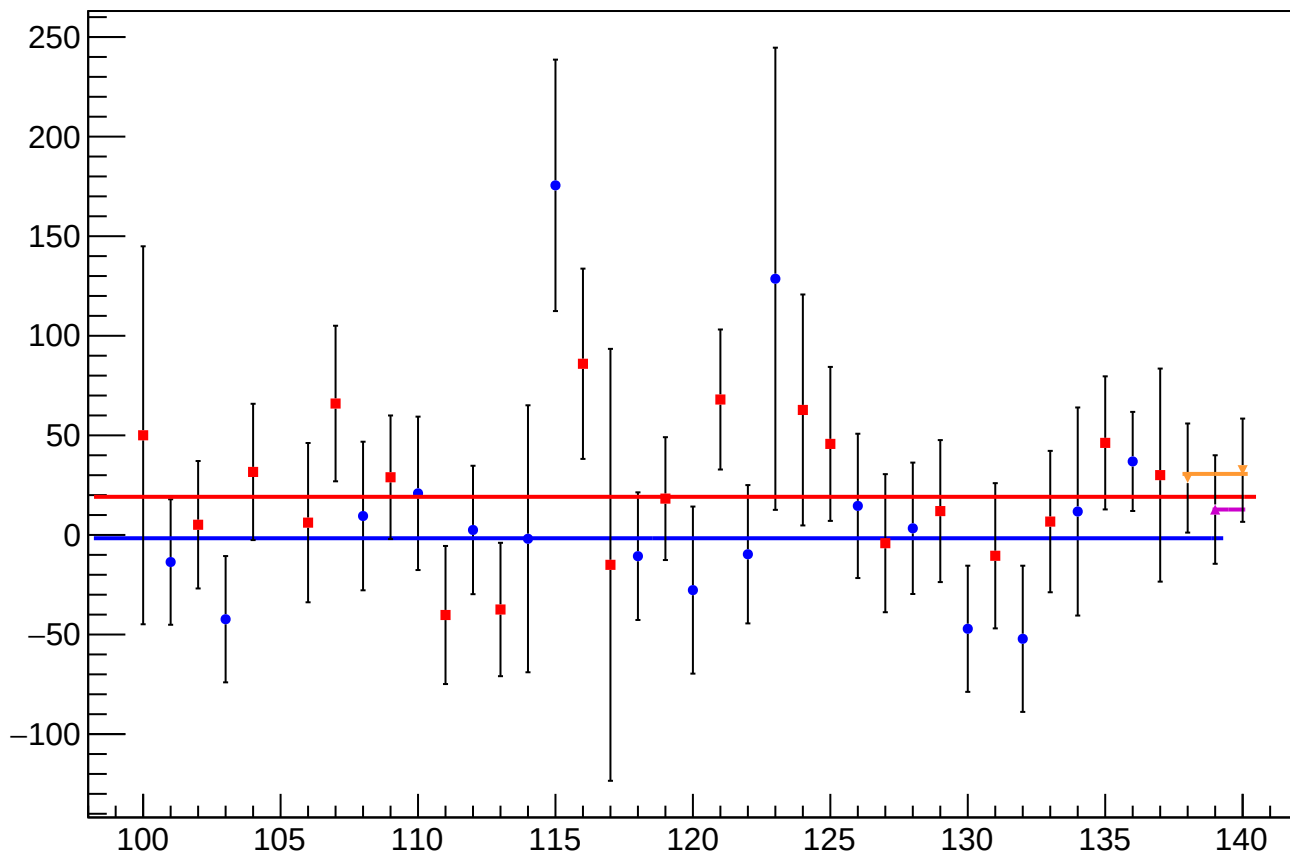
Left In: 221.223 $\pm$ 0.186 χ^2 /NDF:0.0/0

200.897 $\pm$ 0.052 χ^2 /NDF: 1032174.2/18

188.457 $\pm$ 0.035 χ^2 /NDF: 2728370.5/39

177.797 $\pm$ 0.048 χ^2 /NDF: 1590634.0/20

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: 30.644+/-18.829 χ^2/NDF : 0.0/1

Right Out: 19.145+/-8.529 χ^2/NDF : 14.9/19

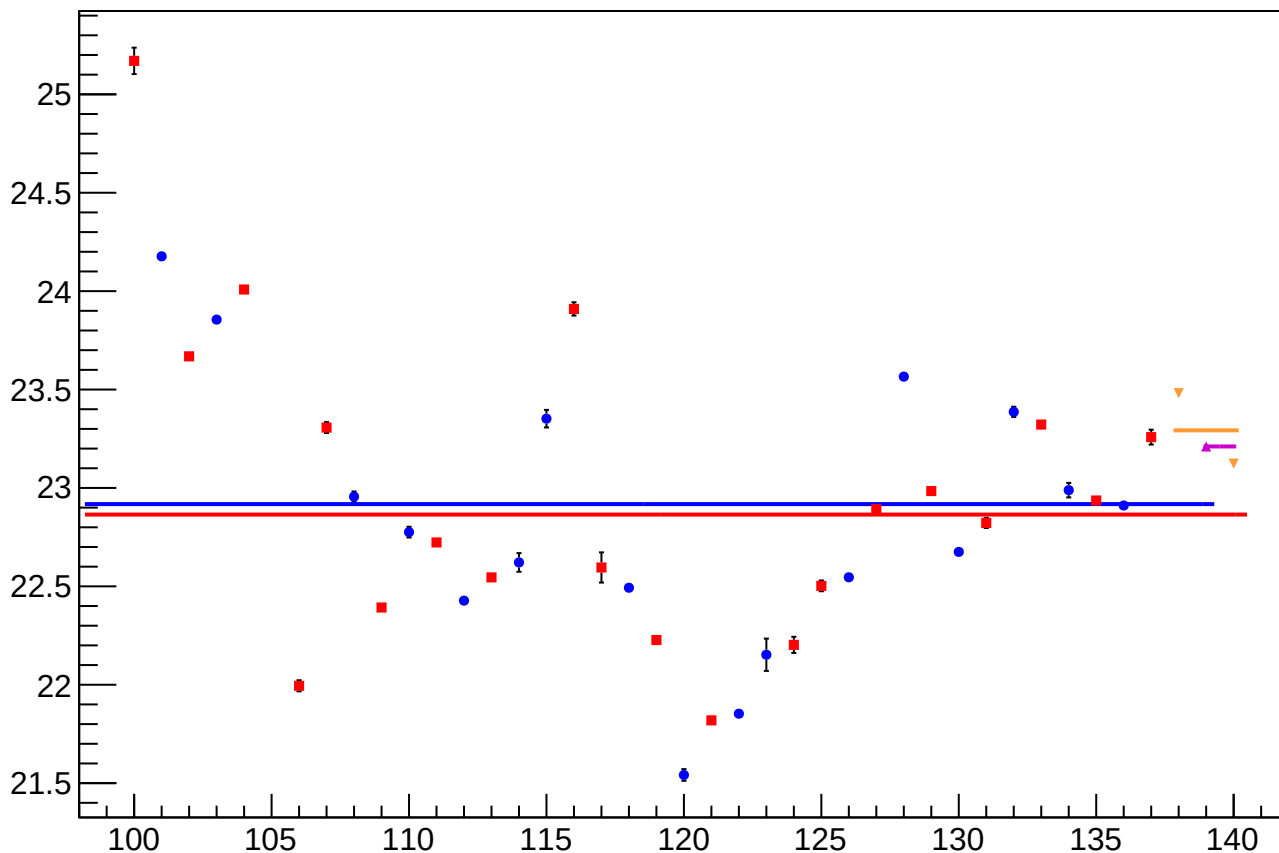
Left In: 12.764+/-27.247 χ^2/NDF : 0.0/0

4.224+/-8.032 χ^2/NDF : 21.0/18

11.305+/-5.717 χ^2/NDF : 37.4/39

18.575+/-8.140 χ^2/NDF : 14.9/20

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 23.293 $\pm$ 0.013 χ^2 /NDF:180.1/1

Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11064.9/19

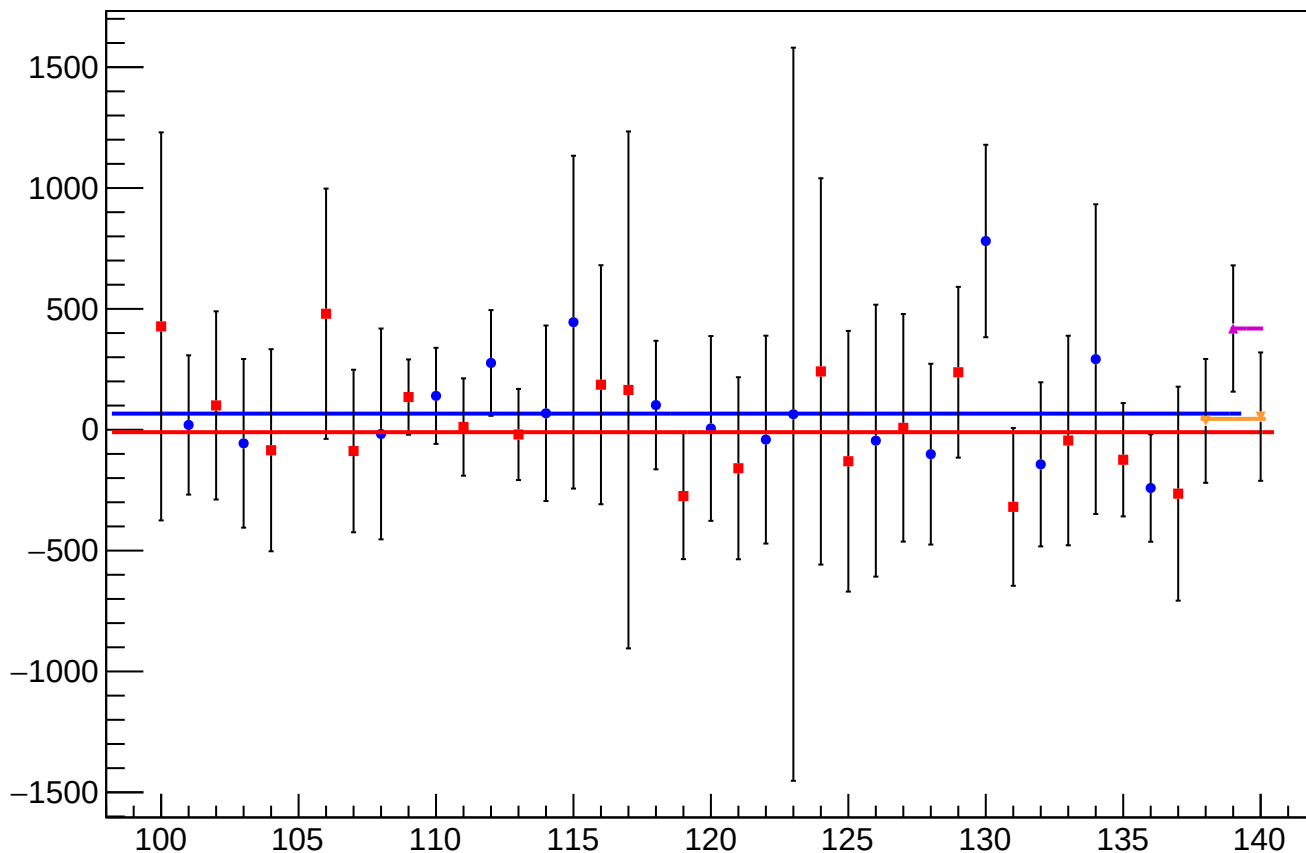
Left In: 23.211 $\pm$ 0.019 χ^2 /NDF:0.0/0

22.986 $\pm$ 0.006 χ^2 /NDF: 12300.6/18

22.941 $\pm$ 0.004 χ^2 /NDF: 23784.6/39

22.896 $\pm$ 0.006 χ^2 /NDF: 11358.8/20

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701+/-79.995 χ^2/NDF : 7.5/16

Left Out: 45.110+/-184.376 χ^2/NDF : 0.0/1

Right Out: -10.113+/-70.234 χ^2/NDF : 5.7/19

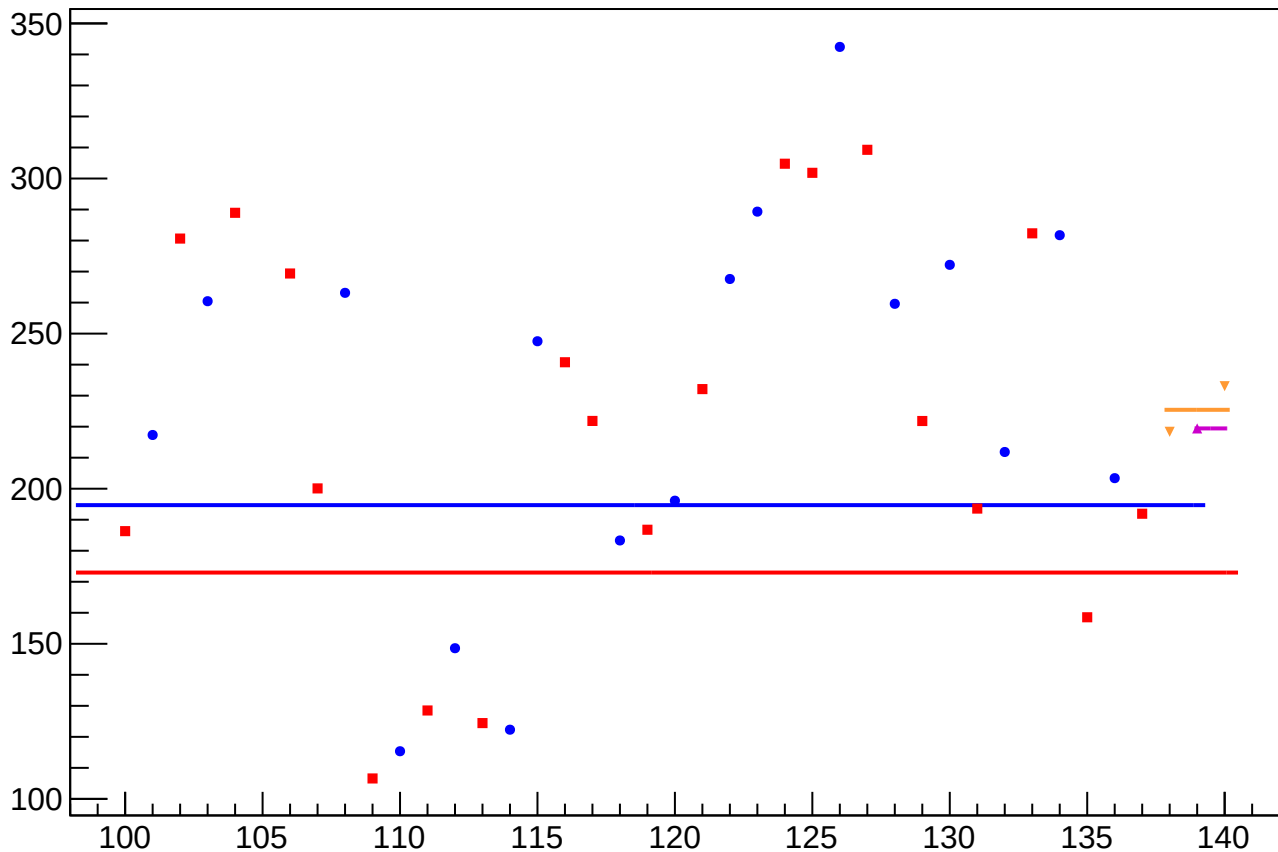
Left In: 418.773+/-261.268 χ^2/NDF : 0.0/0

63.280+/-73.386 χ^2/NDF : 7.5/18

39.287+/-49.810 χ^2/NDF : 16.0/39

18.792+/-67.826 χ^2/NDF : 8.2/20

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 225.434 $\pm$ 0.130 χ^2 /NDF:3174.1/1

Right Out: 172.965 $\pm$ 0.050 χ^2 /NDF: 1601142.0/19

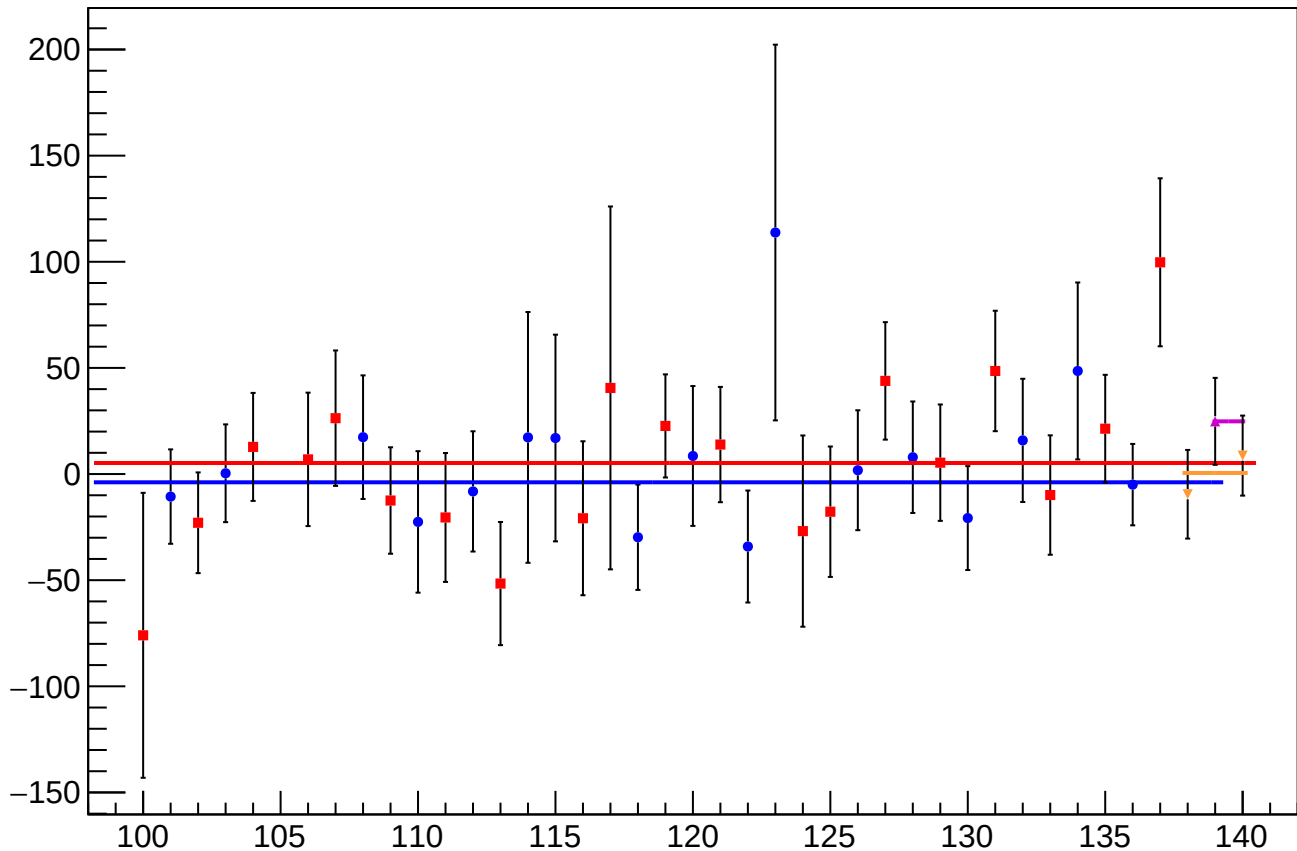
Left In: 219.433 $\pm$ 0.185 χ^2 /NDF:0.0/0

199.571 $\pm$ 0.052 χ^2 /NDF: 1069807.2/18

186.911 $\pm$ 0.035 χ^2 /NDF: 2840315.8/39

176.097 $\pm$ 0.048 χ^2 /NDF: 1660142.6/20

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: 0.512 ± 13.991 χ^2/NDF : 0.4/1

Right Out: 5.204 ± 6.706 χ^2/NDF : 21.5/19

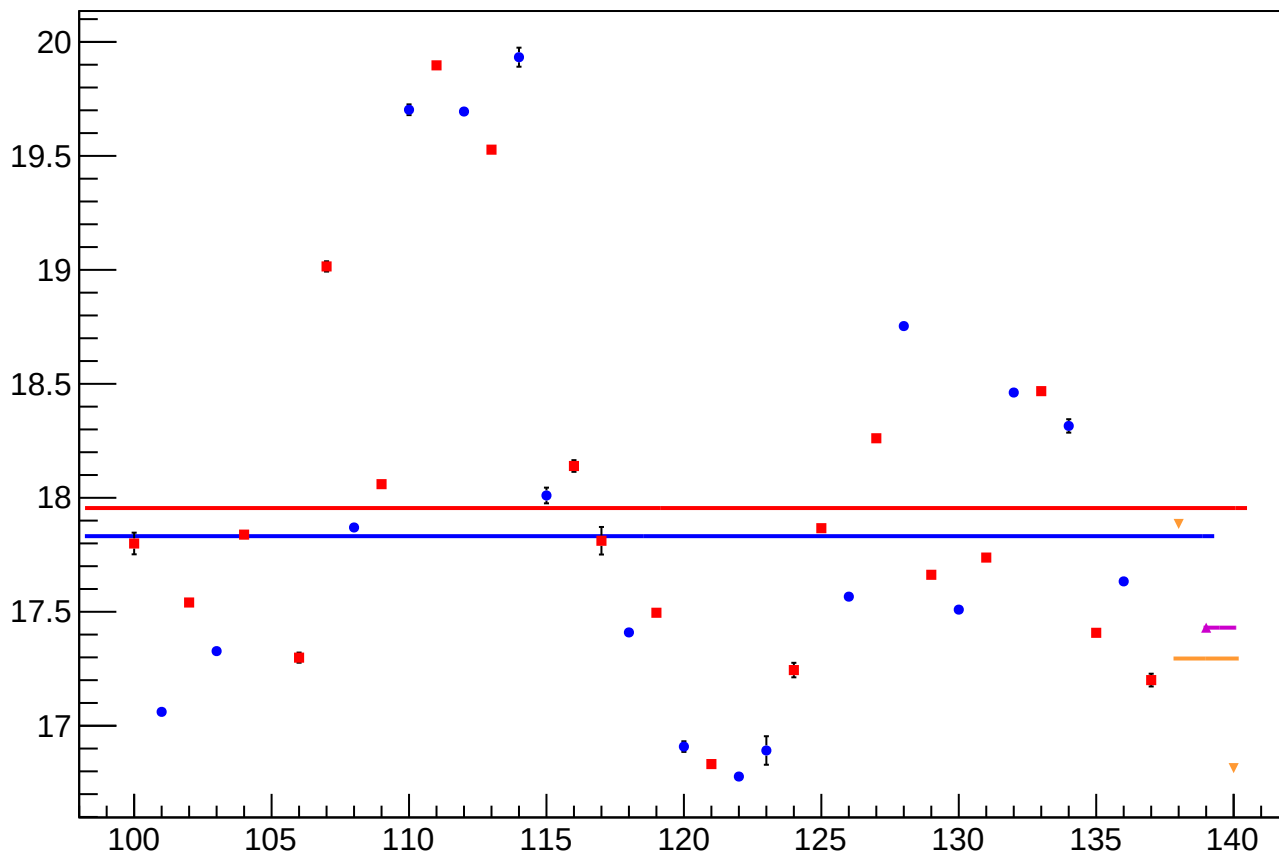
Left In: 24.822 ± 20.484 χ^2/NDF : 0.0/0

-3.029 ± 6.199 χ^2/NDF : 8.9/18

1.897 ± 4.444 χ^2/NDF : 32.5/39

7.103 ± 6.373 χ^2/NDF : 22.3/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 ± 0.005 χ^2/NDF : 30863.4/16

Left Out: 17.295 ± 0.010 χ^2/NDF : 2900.5/1

Right Out: 17.955 ± 0.005 χ^2/NDF : 25454.6/19

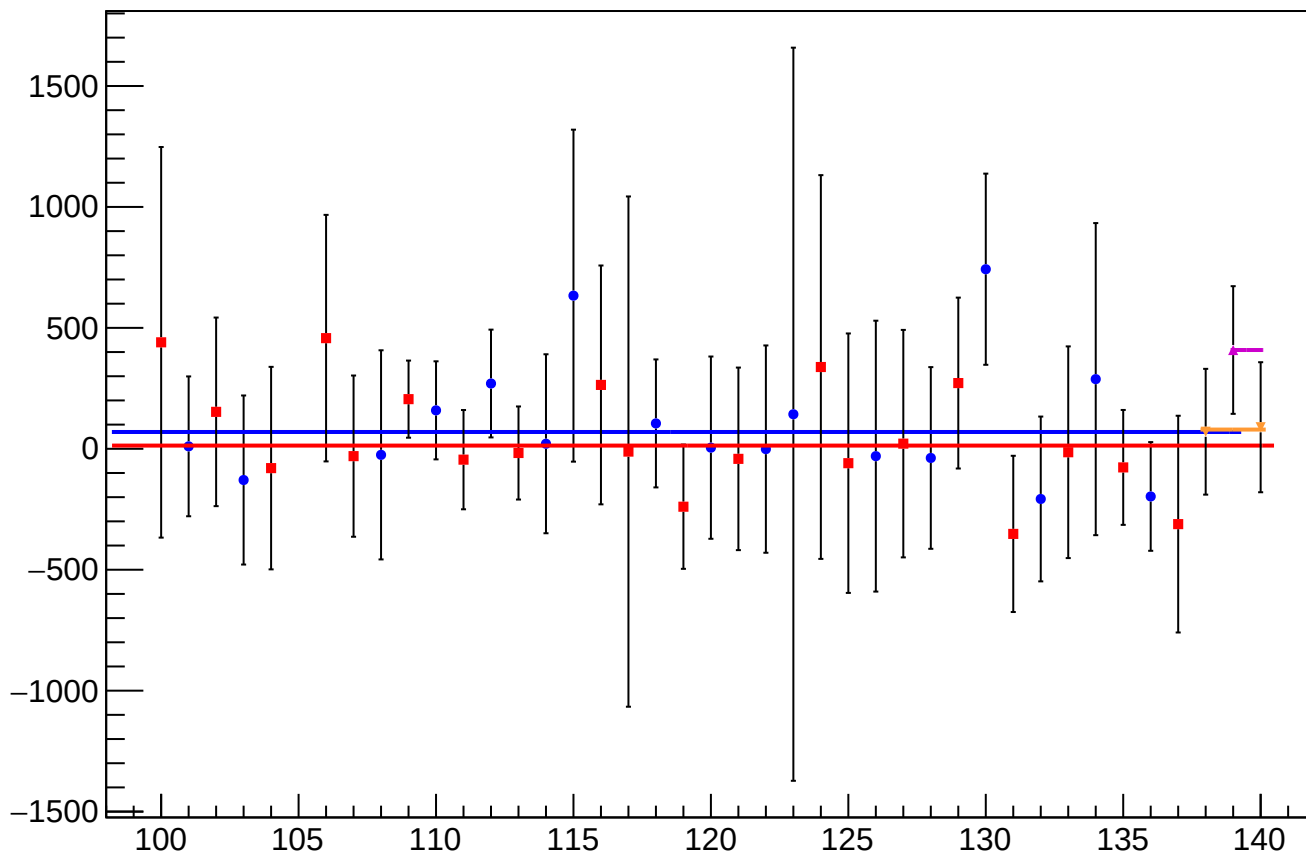
Left In: 17.430 ± 0.014 χ^2/NDF : 0.0/0

17.726 ± 0.004 χ^2/NDF : 36130.1/18

17.813 ± 0.003 χ^2/NDF : 63570.7/39

17.904 ± 0.005 χ^2/NDF : 26639.9/20

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: 79.526 $\pm$ 186.904 χ^2 /NDF: 0.0/1

Right Out: 13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

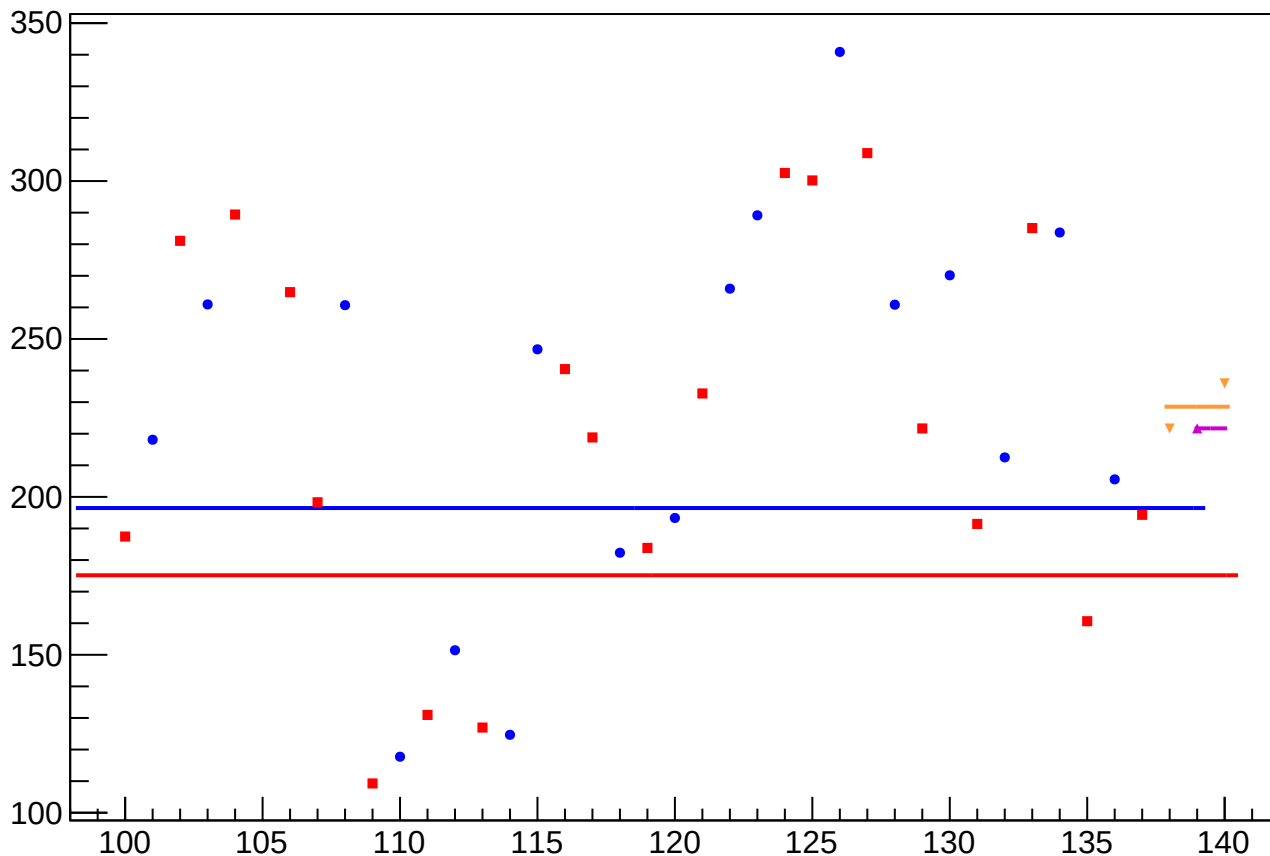
Left In: 408.439 $\pm$ 263.925 χ^2 /NDF: 0.0/0

71.079 $\pm$ 73.973 χ^2 /NDF: 7.4/18

54.273 $\pm$ 50.243 χ^2 /NDF: 16.3/39

39.880 $\pm$ 68.455 χ^2 /NDF: 8.8/20

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 228.557 $\pm$ 0.132 χ^2 /NDF:2921.7/1

Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

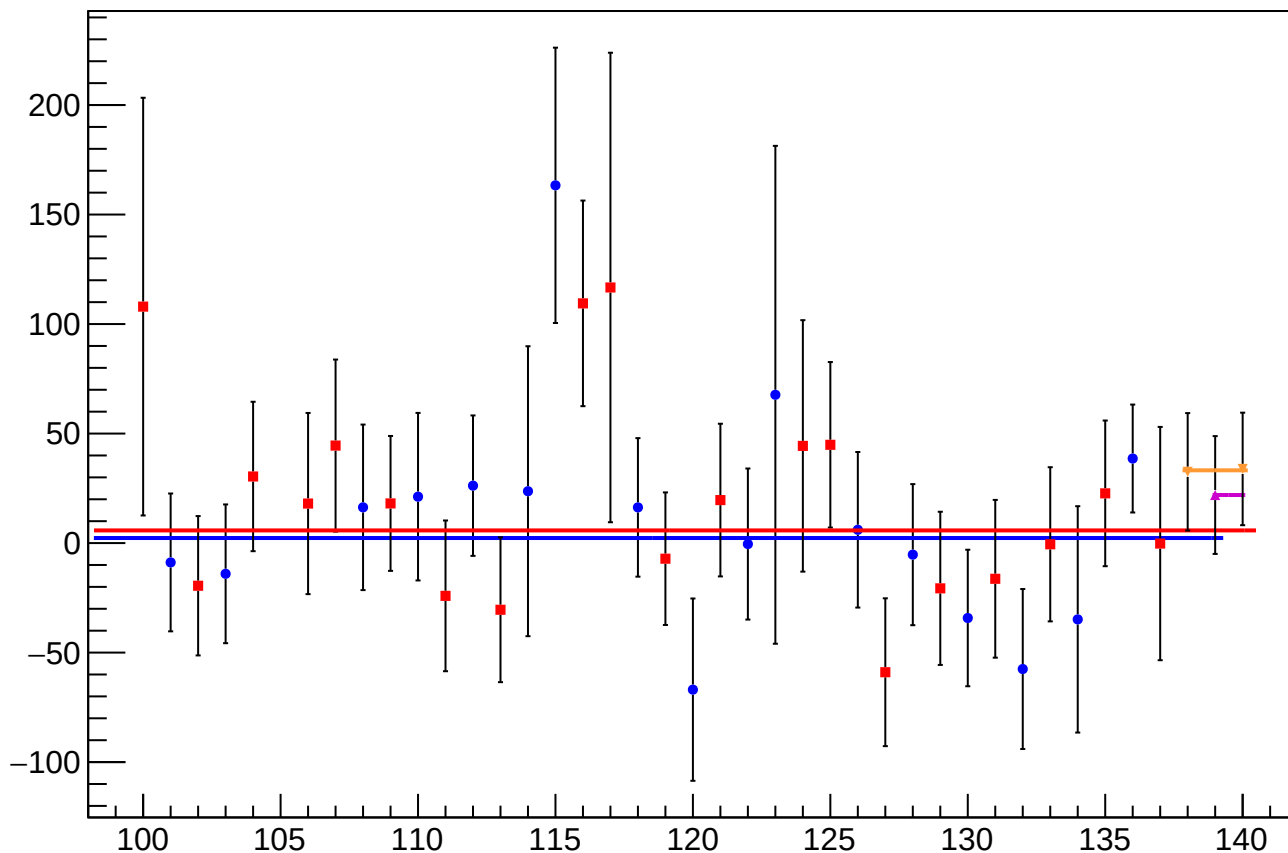
Left In: 221.691 $\pm$ 0.187 χ^2 /NDF:0.0/0

201.496 $\pm$ 0.052 χ^2 /NDF: 1016915.0/18

189.005 $\pm$ 0.036 χ^2 /NDF: 2695259.2/39

178.308 $\pm$ 0.048 χ^2 /NDF: 1572478.4/20

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 $\pm$ 8.805 χ^2 /NDF: 18.1/16

Left Out: 33.222 $\pm$ 18.549 χ^2 /NDF: 0.0/1

Right Out: 5.783 $\pm$ 8.453 χ^2 /NDF: 18.2/19

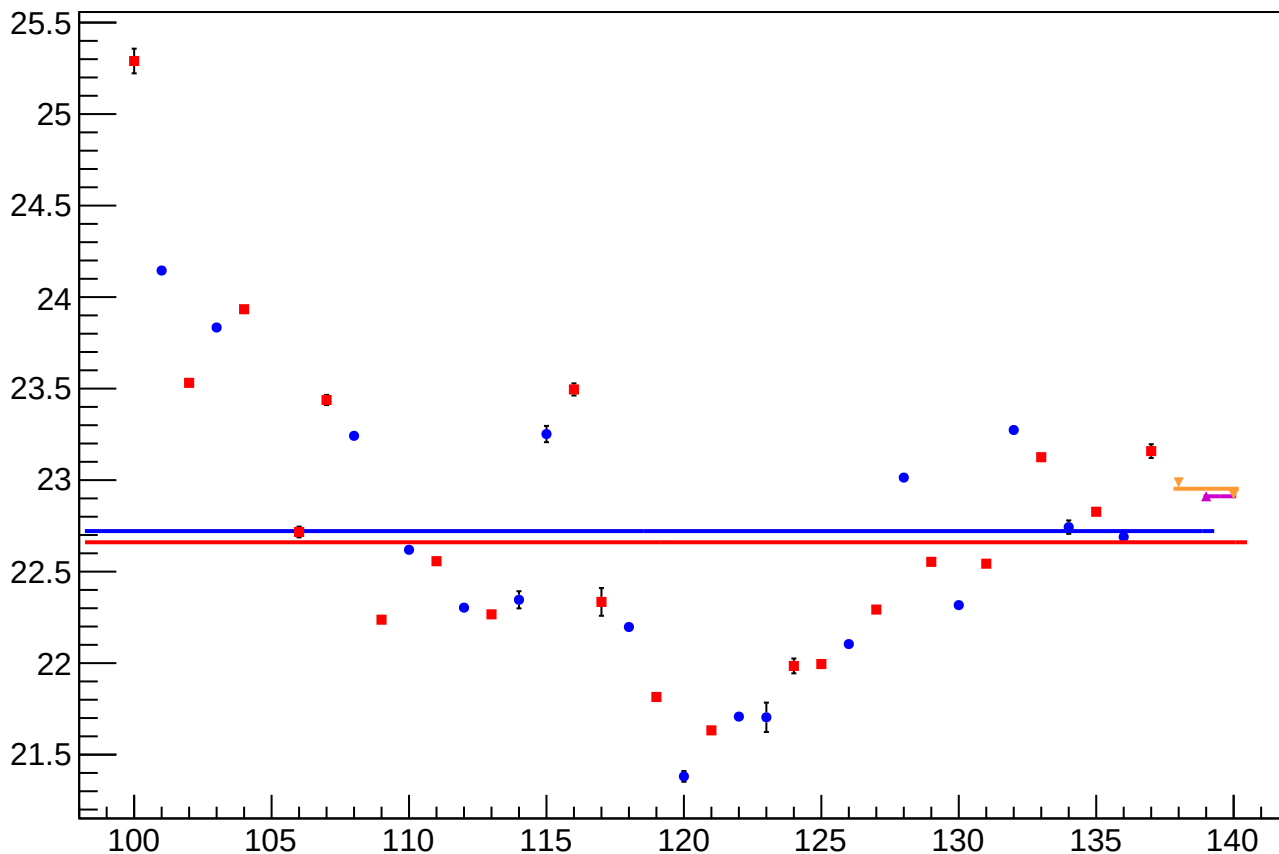
Left In: 21.943 $\pm$ 26.895 χ^2 /NDF: 0.0/0

7.992 $\pm$ 7.954 χ^2 /NDF: 20.4/18

7.619 $\pm$ 5.663 χ^2 /NDF: 38.9/39

7.236 $\pm$ 8.064 χ^2 /NDF: 18.5/20

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.953 $\pm$ 0.013 χ^2 /NDF: 6.4/1

Right Out: 22.660 $\pm$ 0.006 χ^2 /NDF: 12974.2/19

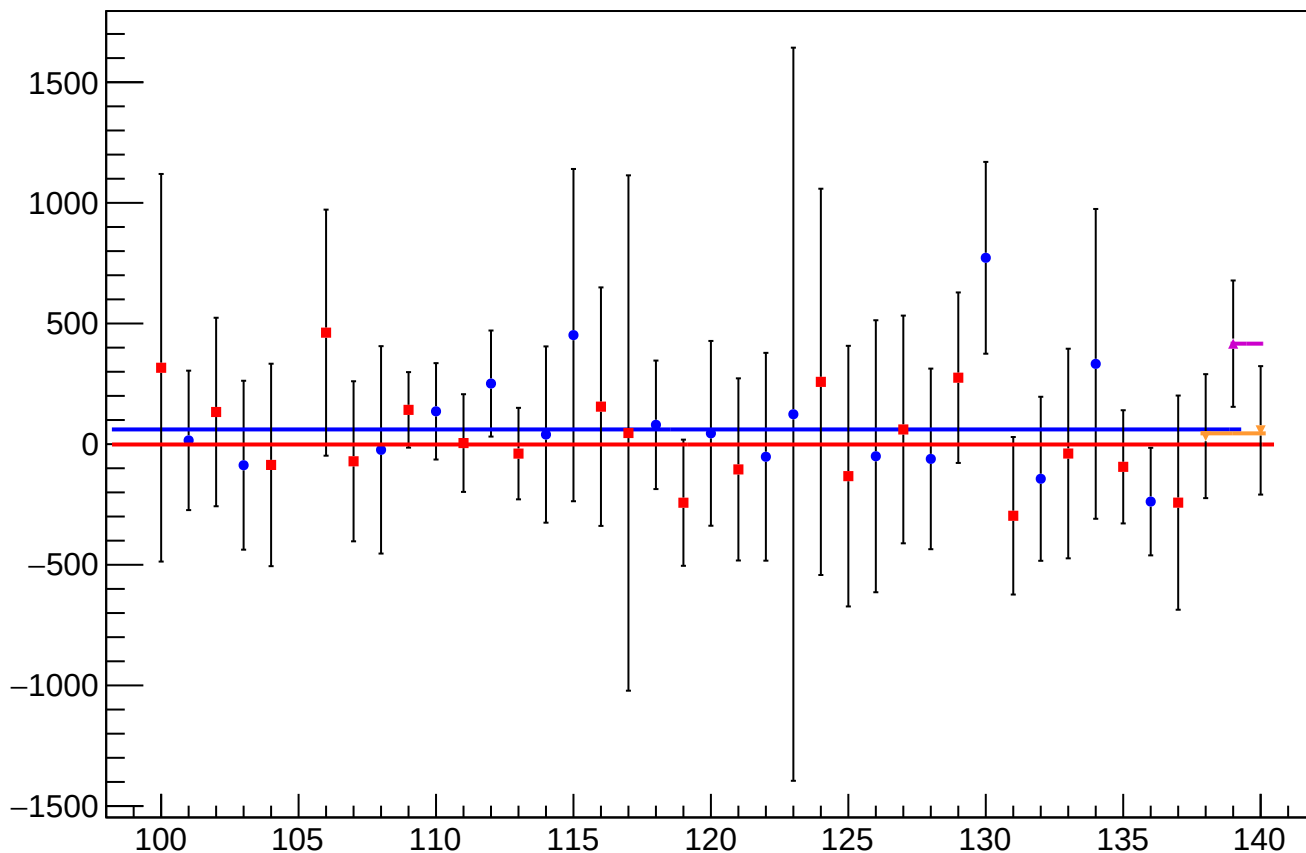
Left In: 22.912 $\pm$ 0.019 χ^2 /NDF: 0.0/0

22.764 $\pm$ 0.006 χ^2 /NDF: 13840.8/18

22.724 $\pm$ 0.004 χ^2 /NDF: 27076.4/39

22.683 $\pm$ 0.006 χ^2 /NDF: 13133.1/20

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: 44.699 $\pm$ 184.862 χ^2 /NDF: 0.0/1

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

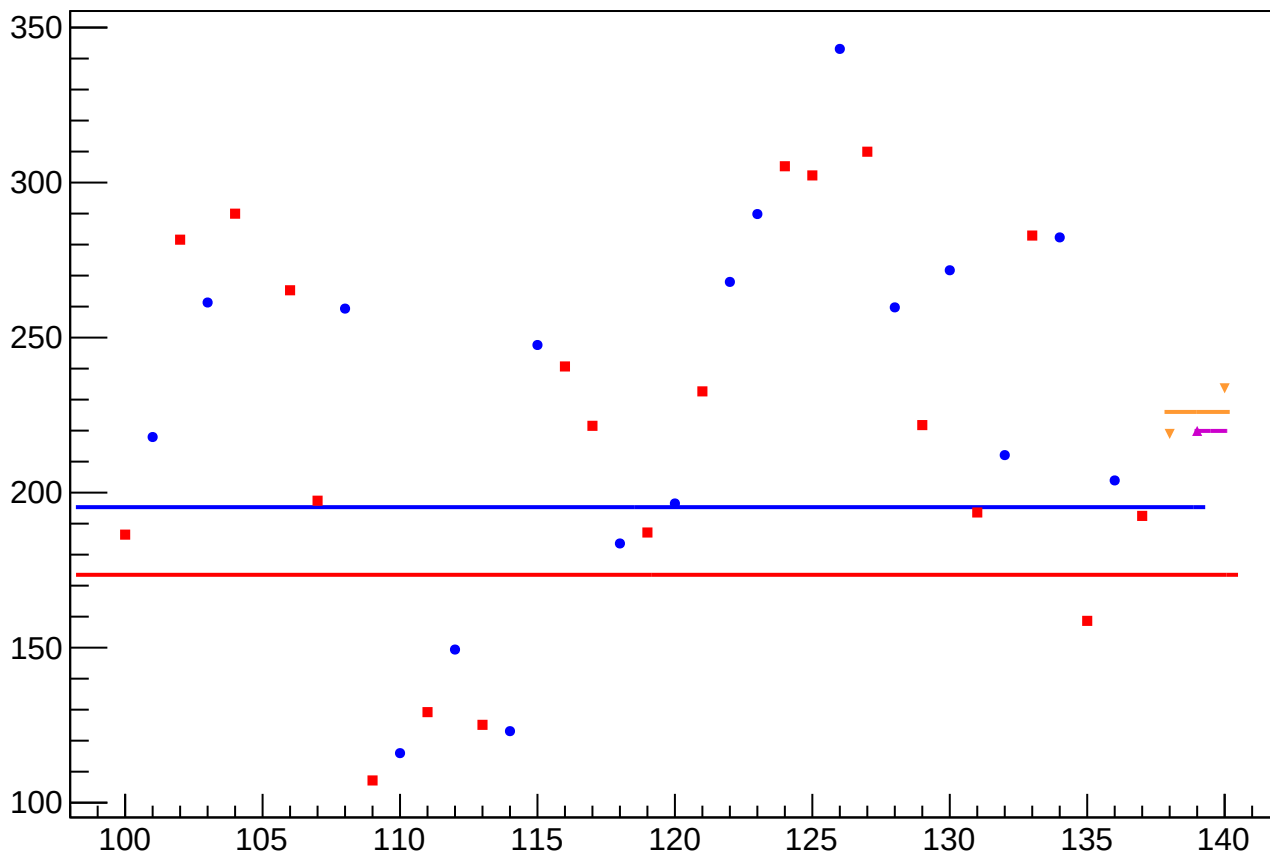
Left In: 416.447 $\pm$ 261.831 χ^2 /NDF: 0.0/0

58.385 $\pm$ 73.572 χ^2 /NDF: 7.2/18

41.310 $\pm$ 49.930 χ^2 /NDF: 14.9/39

26.731 $\pm$ 67.981 χ^2 /NDF: 7.5/20

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 226.027 $\pm$ 0.131 χ^2 /NDF:3161.9/1

Right Out: 173.495 $\pm$ 0.050 χ^2 /NDF: 1582449.6/19

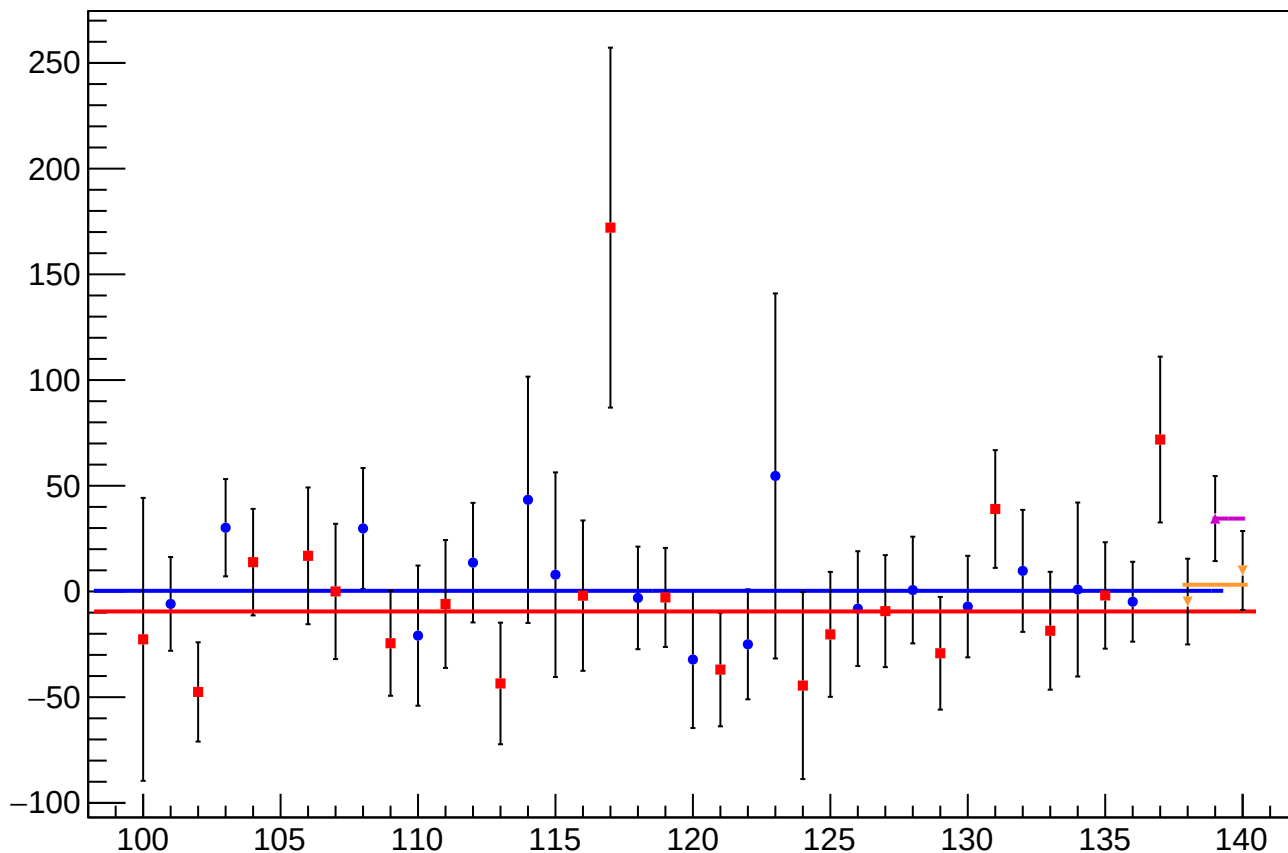
Left In: 219.905 $\pm$ 0.185 χ^2 /NDF:0.0/0

200.180 $\pm$ 0.052 χ^2 /NDF: 1053830.2/18

187.473 $\pm$ 0.035 χ^2 /NDF: 2805485.4/39

176.623 $\pm$ 0.048 χ^2 /NDF: 1641051.0/20

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 $\chi^2/\text{NDF}: 6.8/16$

Left Out: 3.179 ± 13.735 $\chi^2/\text{NDF}: 0.3/1$

Right Out: -9.452 ± 6.608 $\chi^2/\text{NDF}: 20.6/19$

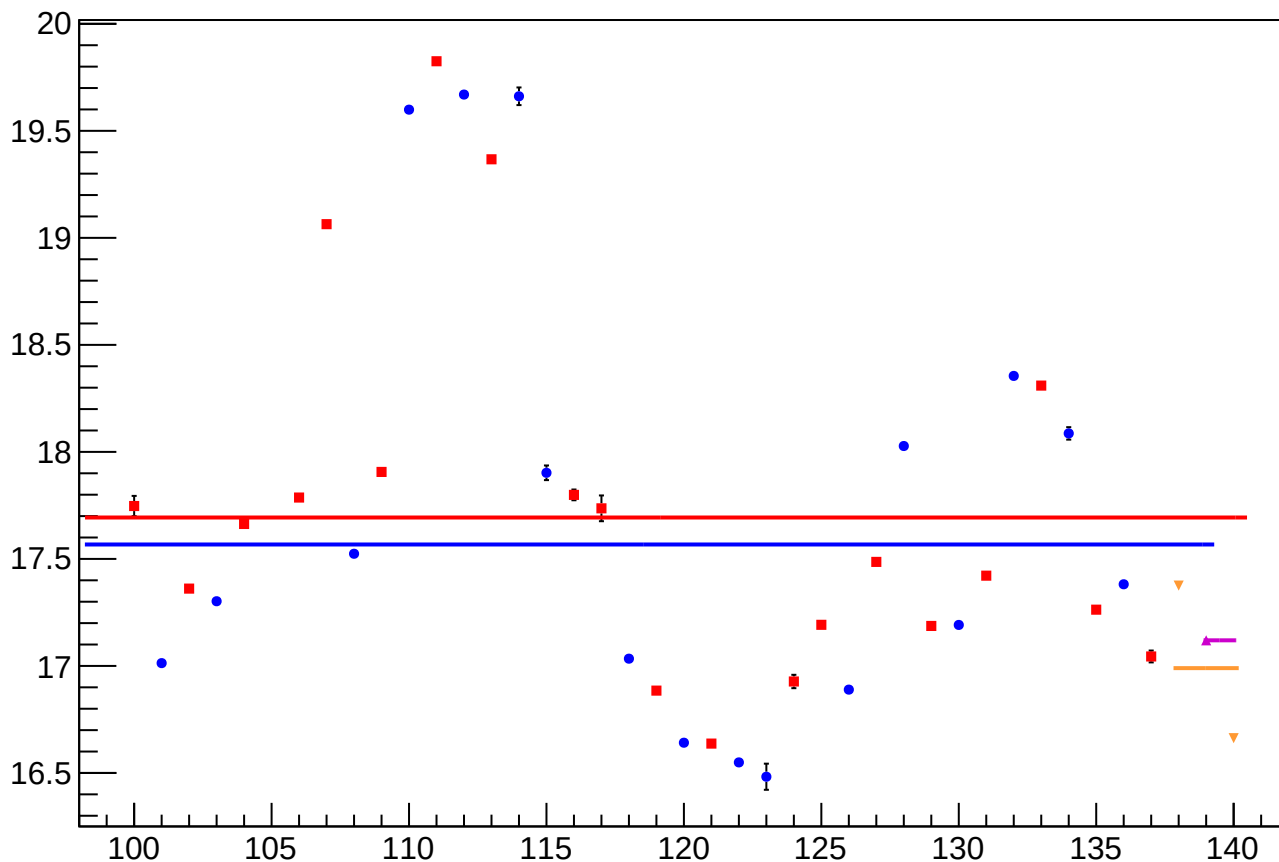
Left In: 34.483 ± 20.108 $\chi^2/\text{NDF}: 0.0/0$

0.873 ± 6.103 $\chi^2/\text{NDF}: 7.1/18$

-2.063 ± 4.376 $\chi^2/\text{NDF}: 32.5/39$

-5.170 ± 6.278 $\chi^2/\text{NDF}: 24.9/20$

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: 16.990+/-0.010 χ^2/NDF : 1337.9/1

Right Out: 17.693+/-0.005 χ^2/NDF : 30767.6/19

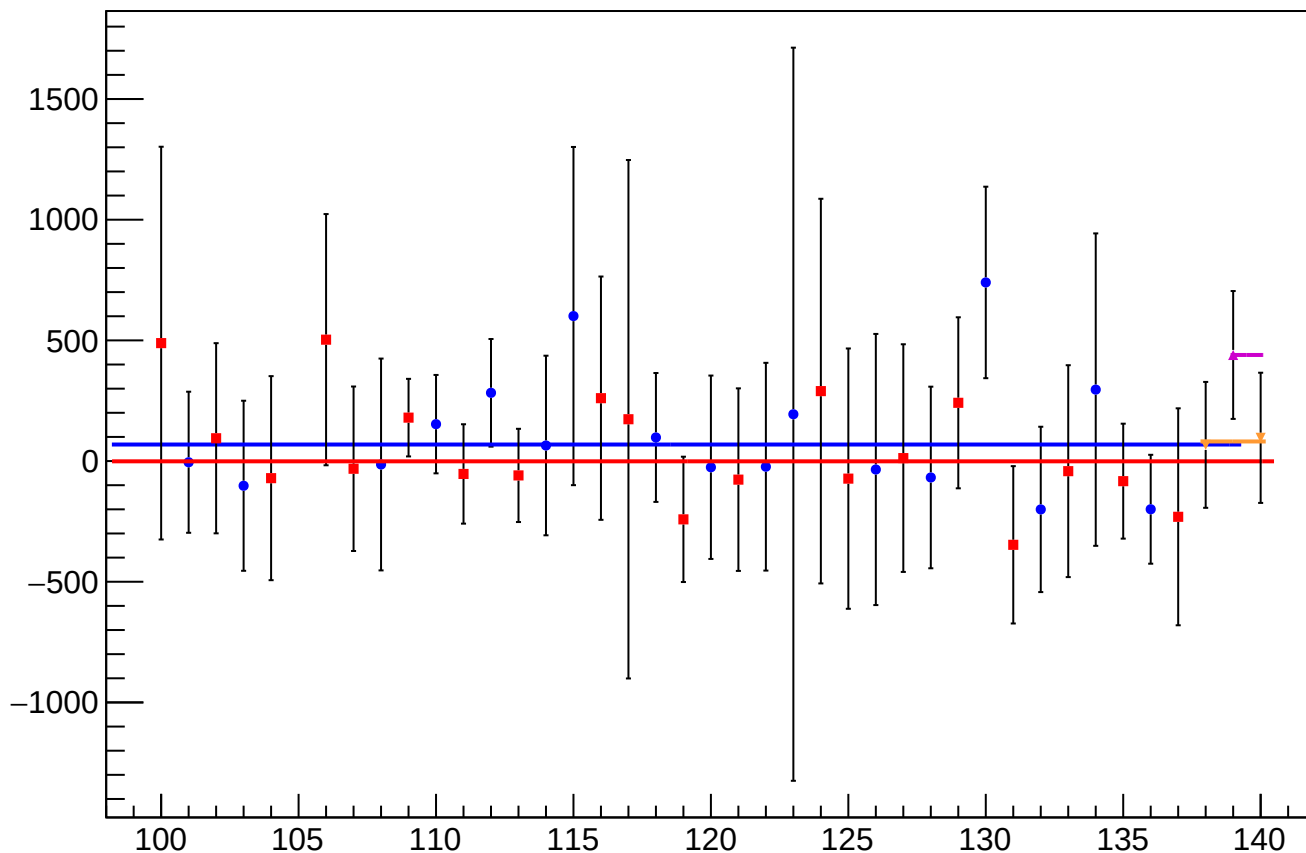
Left In: 17.120+/-0.014 χ^2/NDF : 0.0/0

17.453+/-0.004 χ^2/NDF : 37322.5/18

17.543+/-0.003 χ^2/NDF : 70445.4/39

17.638+/-0.004 χ^2/NDF : 32237.7/20

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: 81.234 $\pm$ 187.485 χ^2 /NDF: 0.0/1

Right Out: -1.057 $\pm$ 71.380 χ^2 /NDF: 6.1/19

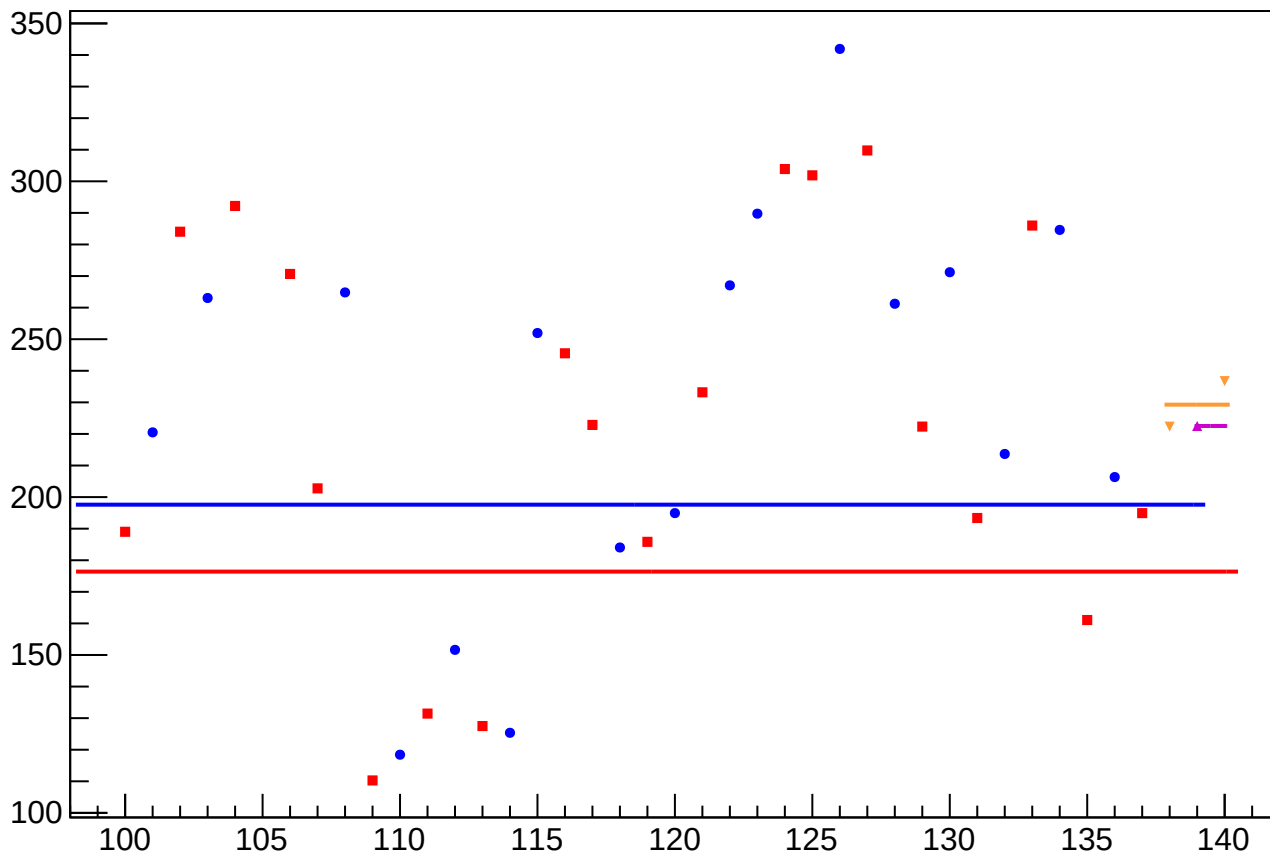
Left In: 439.576 $\pm$ 264.914 χ^2 /NDF: 0.0/0

70.549 $\pm$ 74.371 χ^2 /NDF: 7.3/18

48.072 $\pm$ 50.552 χ^2 /NDF: 16.2/39

28.768 $\pm$ 68.922 χ^2 /NDF: 8.7/20

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: 229.272 $\pm$ 0.133 χ^2 /NDF: 2953.0/1

Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

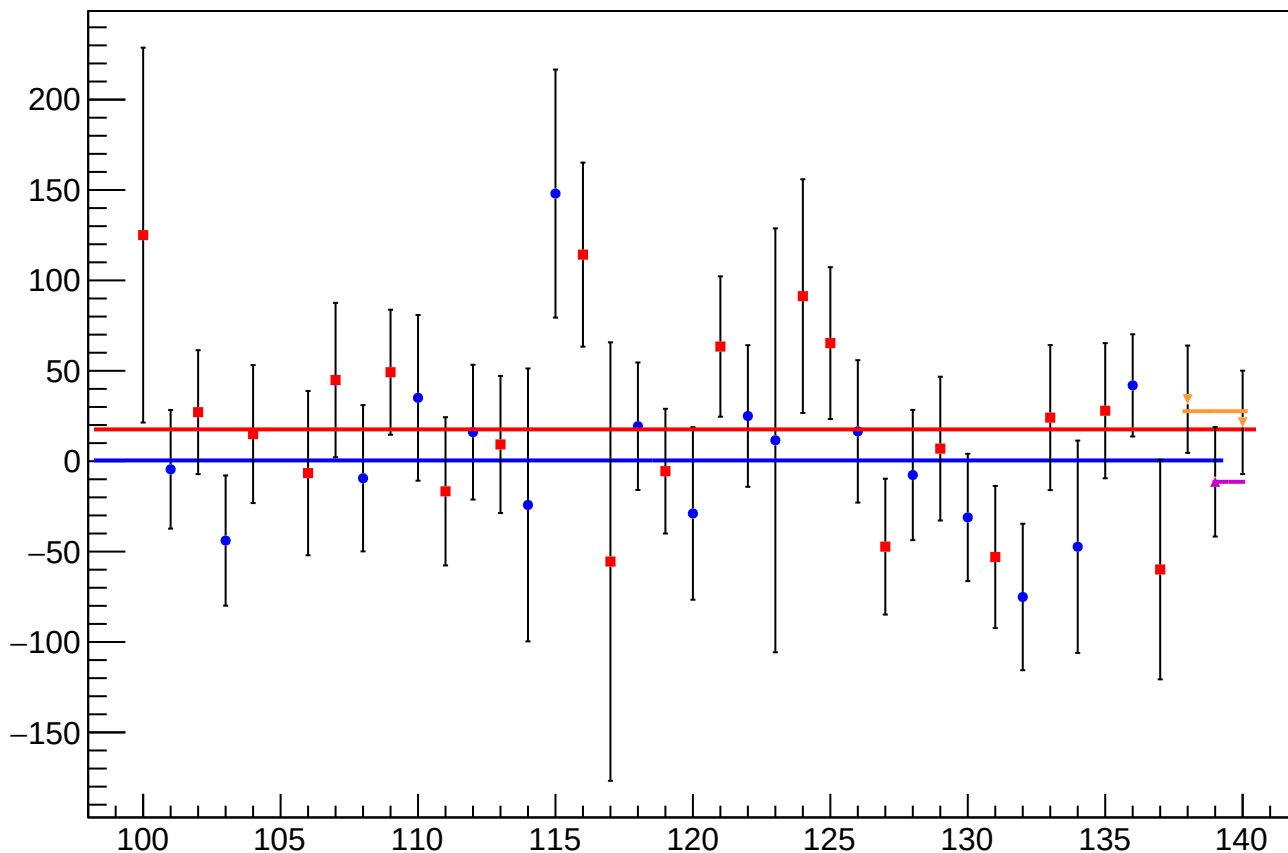
Left In: 222.523 $\pm$ 0.187 χ^2 /NDF: 0.0/0

202.587 $\pm$ 0.053 χ^2 /NDF: 1019865.7/18

190.182 $\pm$ 0.036 χ^2 /NDF: 2703383.9/39

179.529 $\pm$ 0.049 χ^2 /NDF: 1580094.2/20

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: 27.648 ± 20.592 χ^2/NDF : 0.1/1

Right Out: 17.595 ± 9.470 χ^2/NDF : 19.8/19

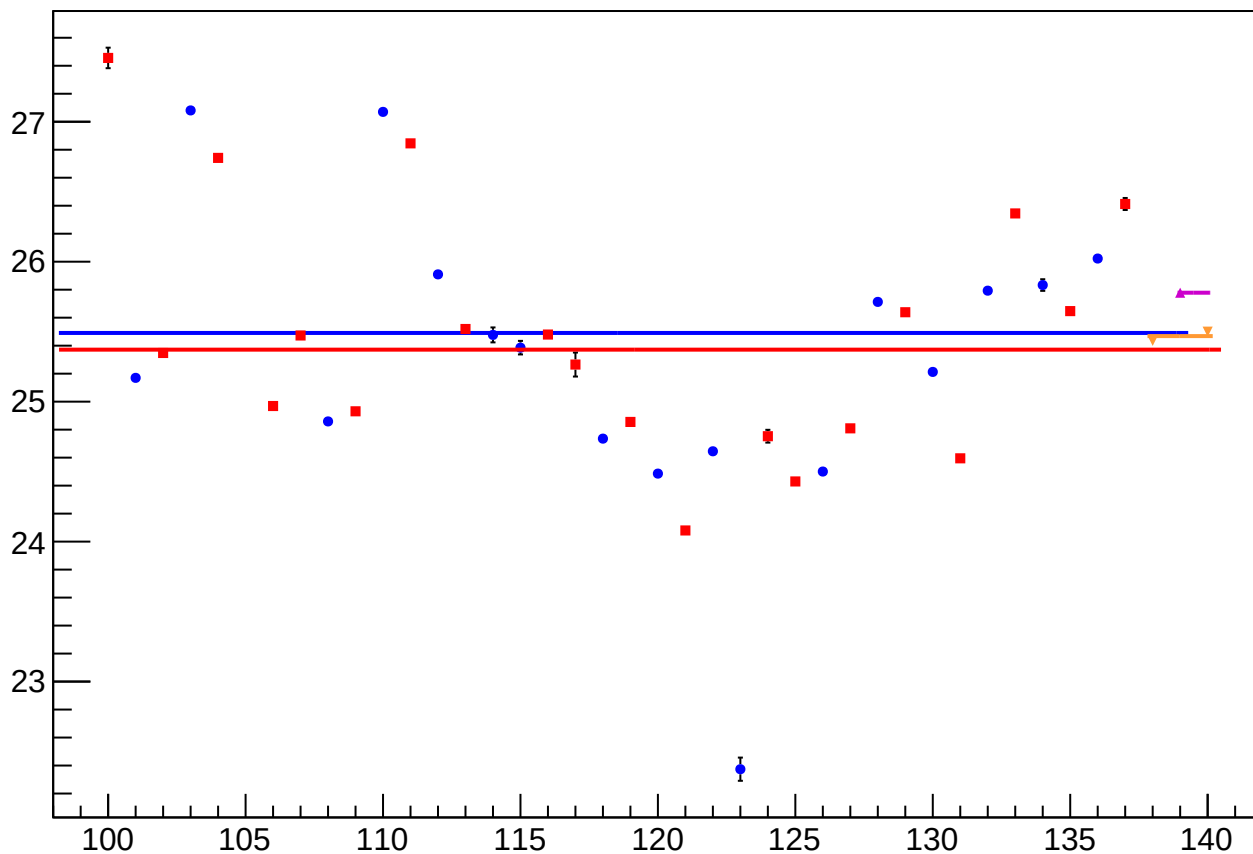
Left In: -11.402 ± 30.281 χ^2/NDF : 0.0/0

5.524 ± 8.911 χ^2/NDF : 17.0/18

10.201 ± 6.345 χ^2/NDF : 38.2/39

15.012 ± 9.038 χ^2/NDF : 20.7/20

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: 25.468 $\pm$ 0.015 χ^2 /NDF: 5.1/1

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

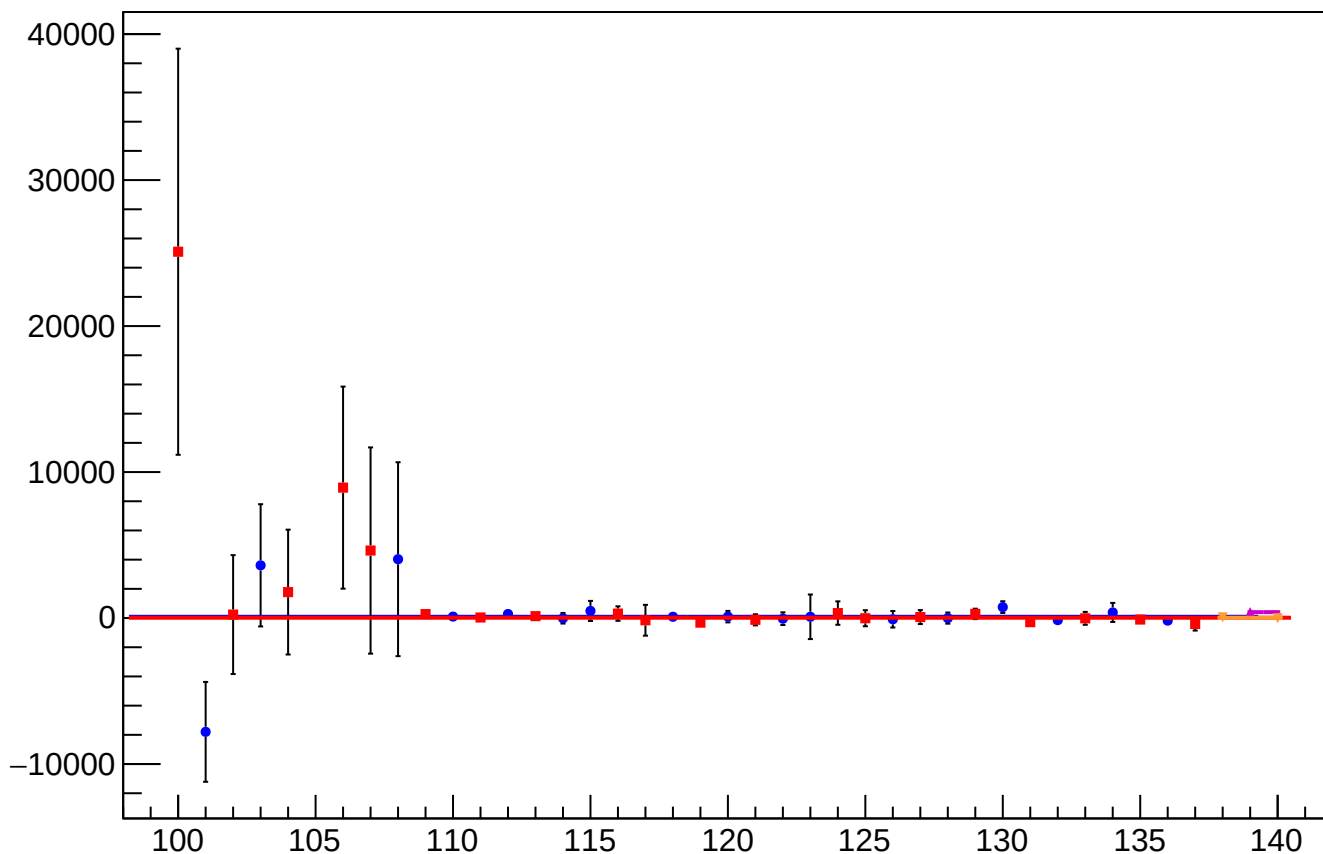
Left In: 25.778 $\pm$ 0.021 χ^2 /NDF: 0.0/0

25.487 $\pm$ 0.006 χ^2 /NDF: 13720.0/18

25.448 $\pm$ 0.004 χ^2 /NDF: 27678.1/39

25.408 $\pm$ 0.006 χ^2 /NDF: 13880.9/20

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: 17.784+/-183.353 χ^2/NDF : 0.0/1

Right Out: 22.332+/-80.711 χ^2/NDF : 11.9/19

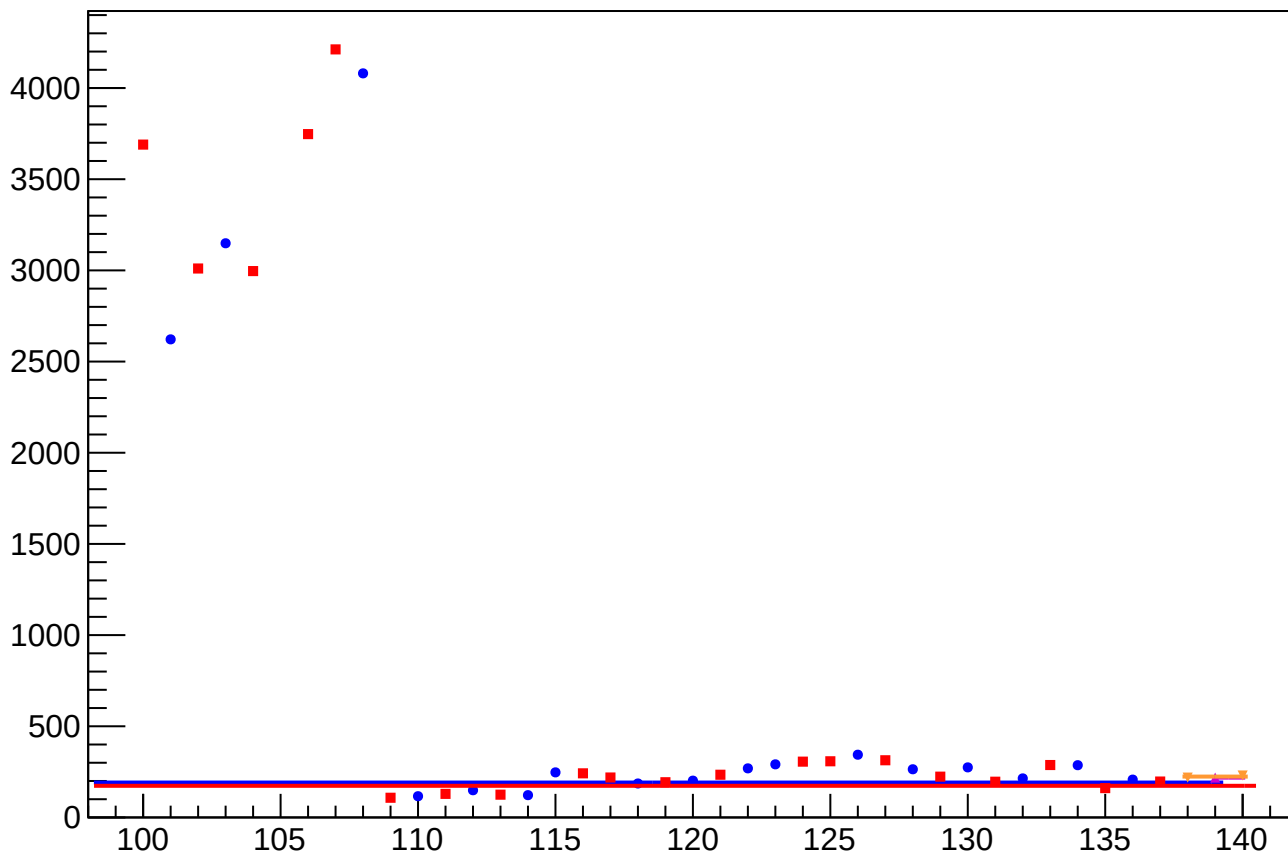
Left In: 404.486+/-260.282 χ^2/NDF : 0.0/0

73.581+/-79.645 χ^2/NDF : 12.6/18

64.429+/-55.392 χ^2/NDF : 26.6/39

55.855+/-77.090 χ^2/NDF : 13.9/20

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: 224.125+/-0.130 χ^2/NDF :1985.4/1

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

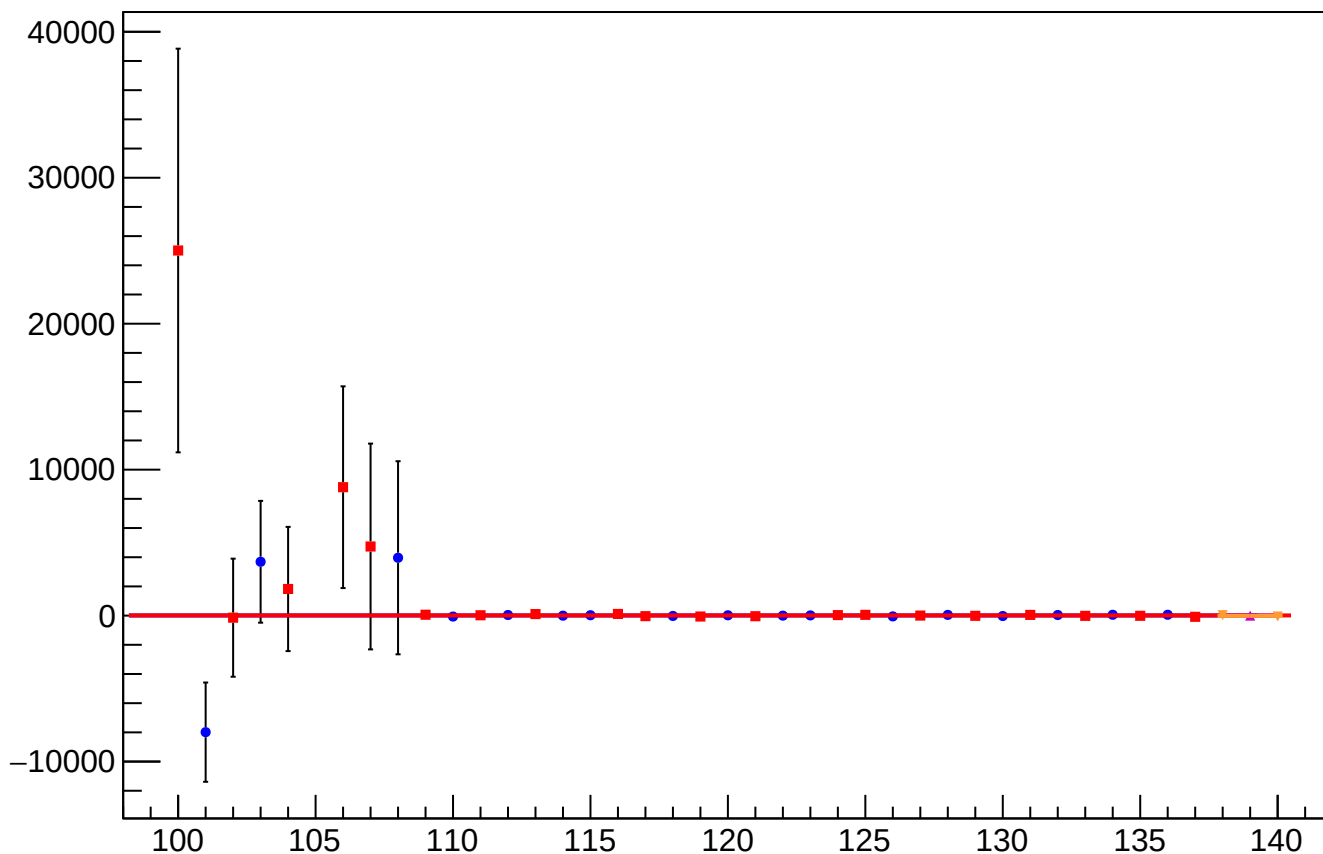
Left In: 218.441+/-0.184 χ^2/NDF :0.0/0

197.638+/-0.056 χ^2/NDF : 3626583.5/18

187.242+/-0.039 χ^2/NDF : 7957986.7/39

177.502+/-0.055 χ^2/NDF : 4265397.7/20

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: -19.346+/-23.613 χ^2/NDF : 3.7/1

Right Out: 12.296+/-12.186 χ^2/NDF : 24.9/19

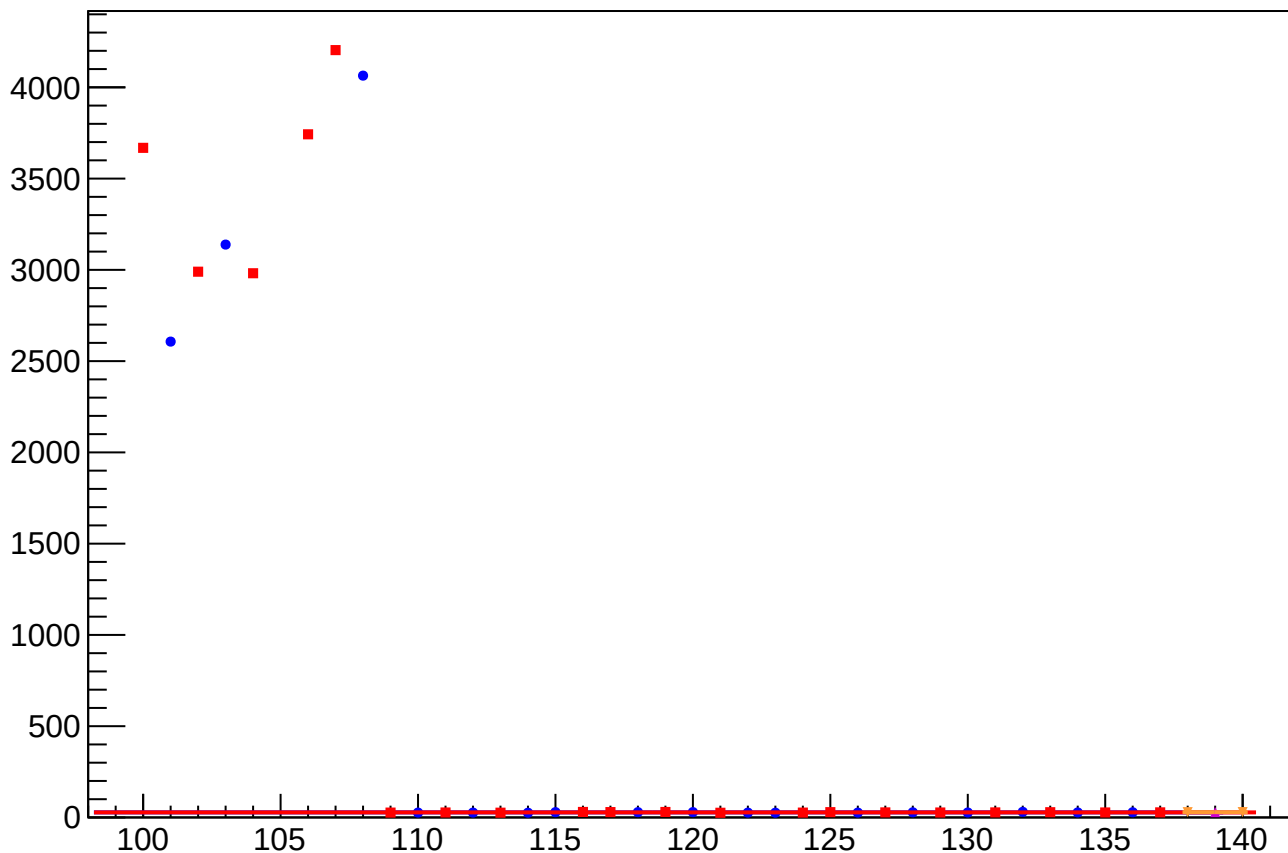
Left In: 0.225+/-34.186 χ^2/NDF : 0.0/0

3.976+/-10.896 χ^2/NDF : 23.3/18

7.275+/-7.903 χ^2/NDF : 48.6/39

10.935+/-11.479 χ^2/NDF : 25.0/20

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: 29.111+/-0.017 χ^2/NDF : 118.5/1

Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

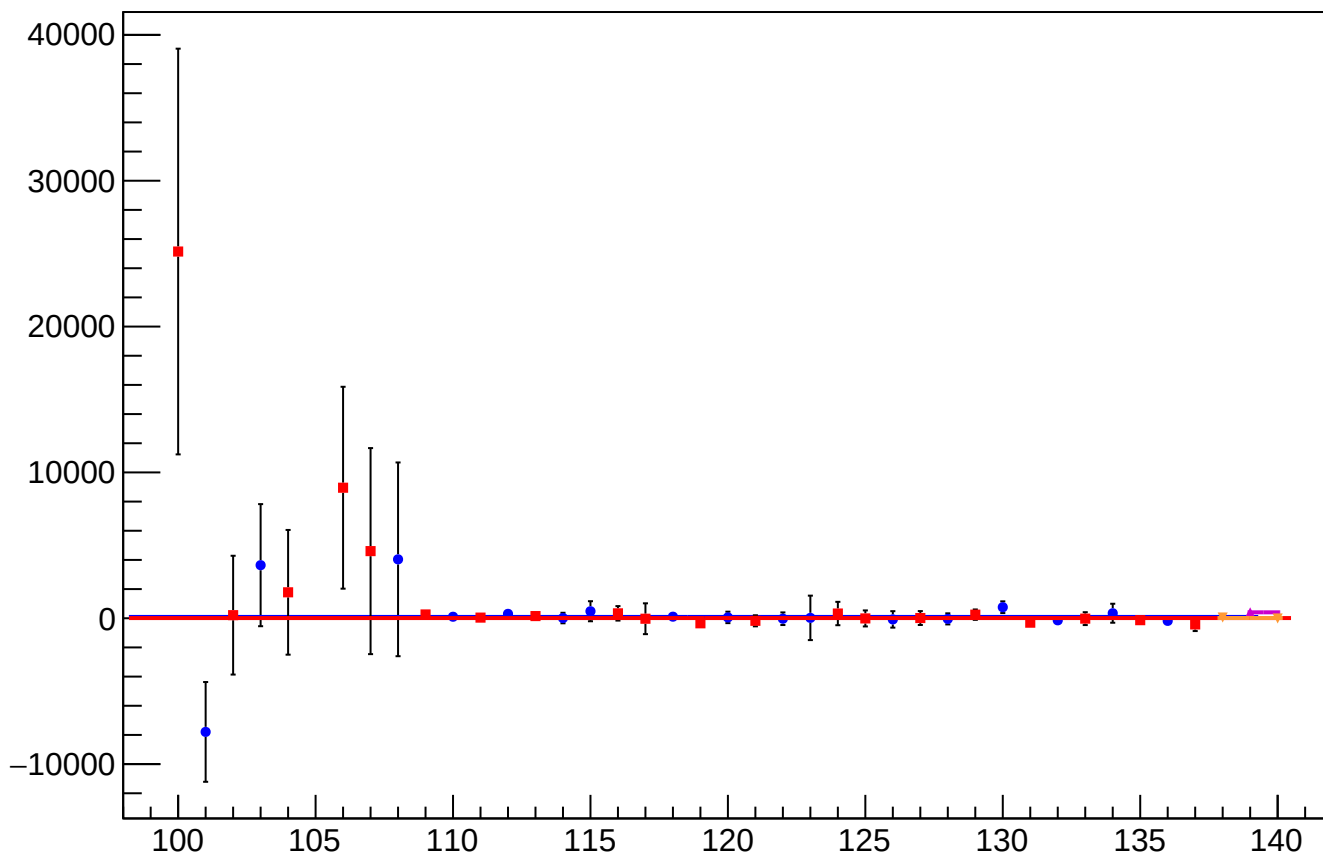
Left In: 29.008+/-0.024 χ^2/NDF : 0.0/0

28.122+/-0.008 χ^2/NDF : 3032238.1/18

27.995+/-0.006 χ^2/NDF : 6512512.4/39

27.854+/-0.008 χ^2/NDF : 3479699.7/20

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: 18.561+/-182.870 χ^2/NDF : 0.0/1

Right Out: 13.075+/-80.452 χ^2/NDF : 12.7/19

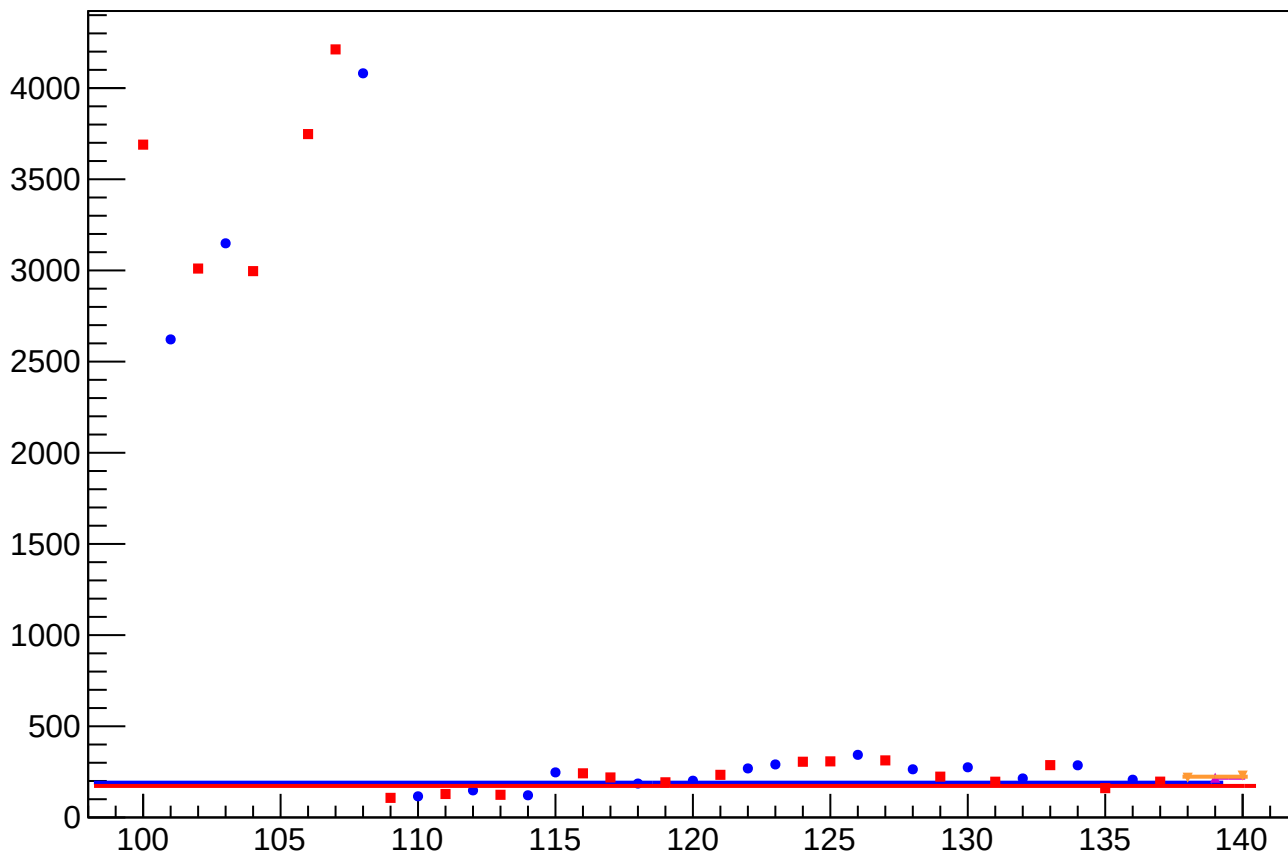
Left In: 406.898+/-259.728 χ^2/NDF : 0.0/0

77.158+/-79.405 χ^2/NDF : 12.9/18

61.872+/-55.222 χ^2/NDF : 27.8/39

47.554+/-76.850 χ^2/NDF : 14.8/20

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770 $\pm$ 0.062 χ^2 /NDF: 3585034.0/16

Left Out: 223.536 $\pm$ 0.129 χ^2 /NDF:1990.0/1

Right Out: 172.900 $\pm$ 0.057 χ^2 /NDF: 4222511.2/19

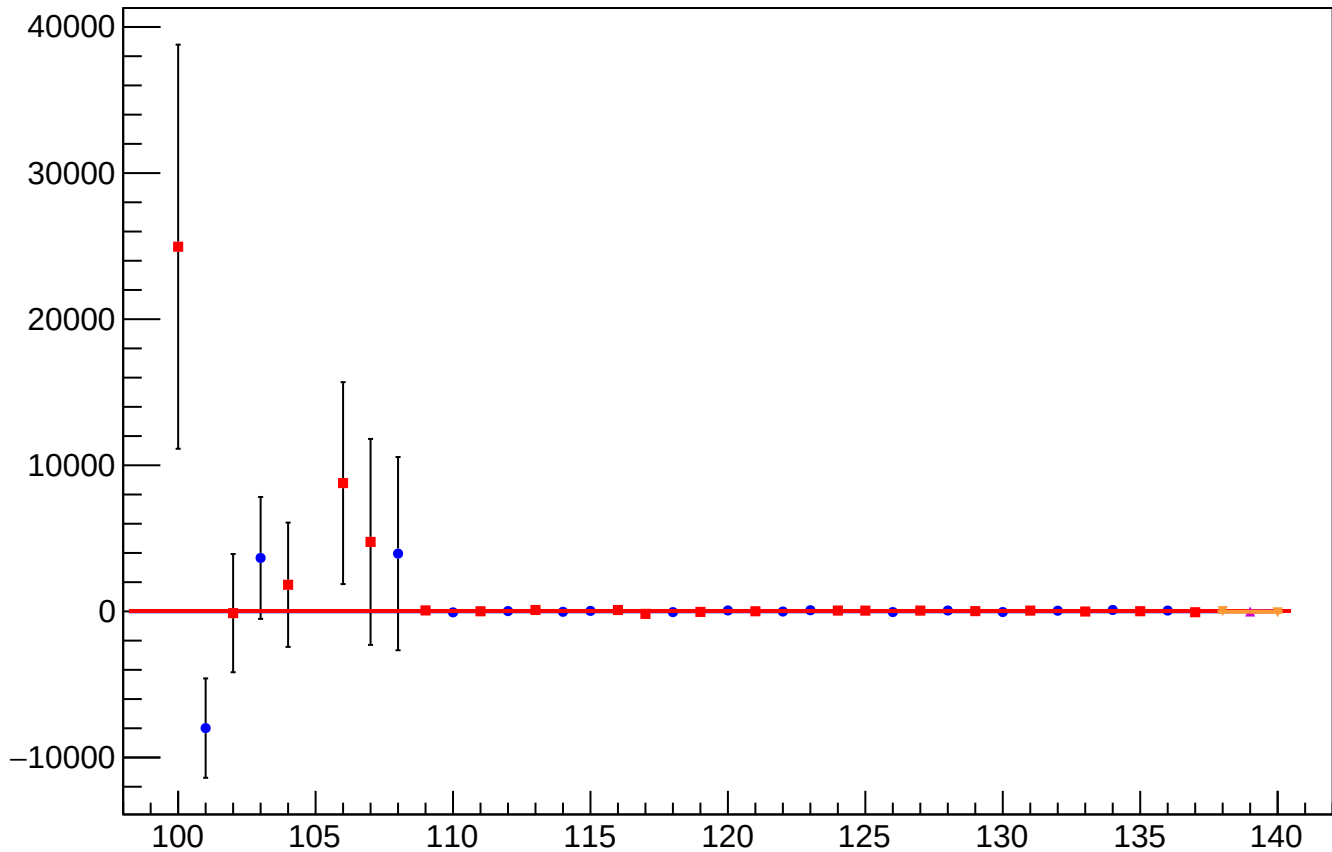
Left In: 217.975 $\pm$ 0.184 χ^2 /NDF:0.0/0

196.947 $\pm$ 0.056 χ^2 /NDF: 3639128.6/18

186.568 $\pm$ 0.039 χ^2 /NDF: 7982782.4/39

176.846 $\pm$ 0.054 χ^2 /NDF: 4277475.3/20

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -24.051 $\pm$ 23.736 χ^2 /NDF: 3.2/1

Right Out: 27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

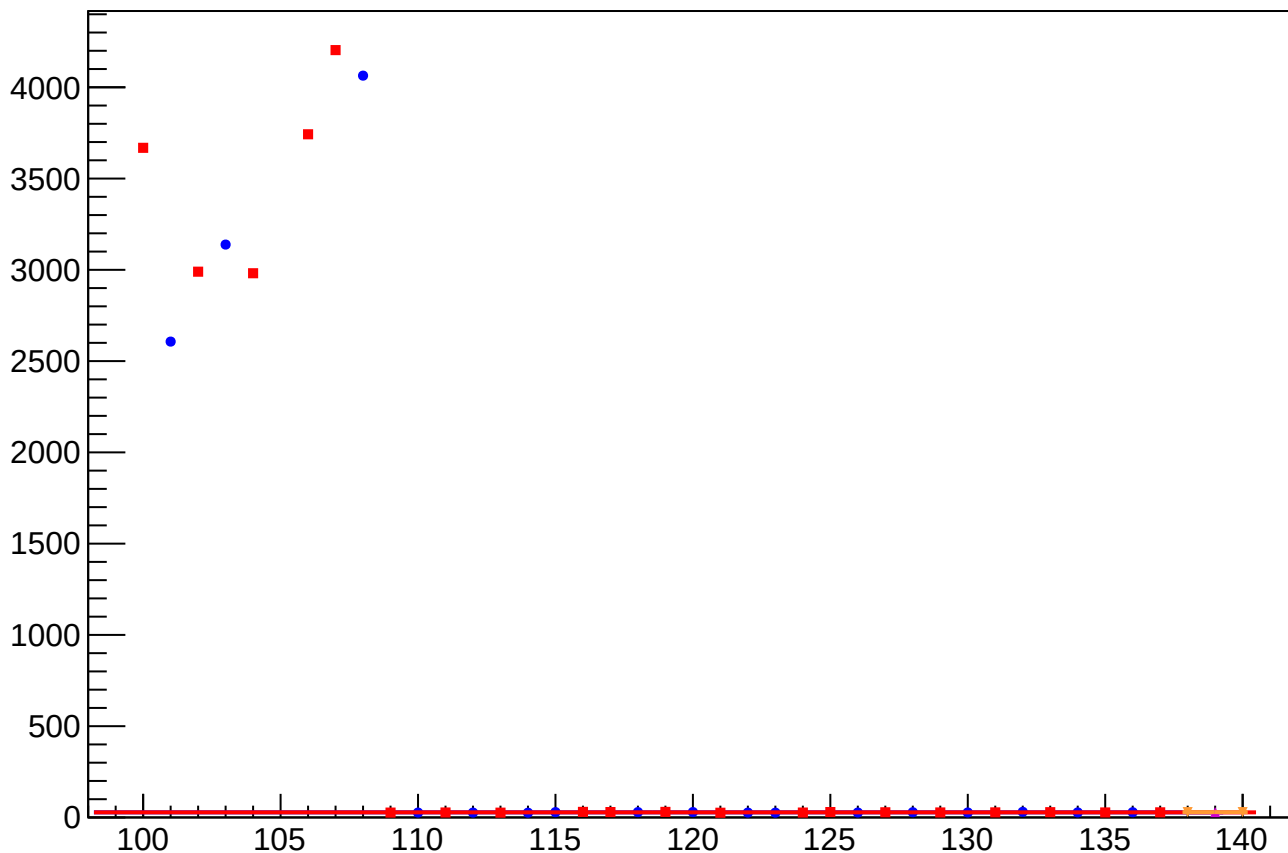
Left In: -6.216 $\pm$ 34.372 χ^2 /NDF: 0.0/0

1.628 $\pm$ 10.968 χ^2 /NDF: 27.9/18

12.233 $\pm$ 7.960 χ^2 /NDF: 49.5/39

24.033 $\pm$ 11.570 χ^2 /NDF: 19.7/20

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: 29.264+/-0.017 χ^2/NDF : 0.8/1

Right Out: 27.930+/-0.009 χ^2/NDF : 3479947.6/19

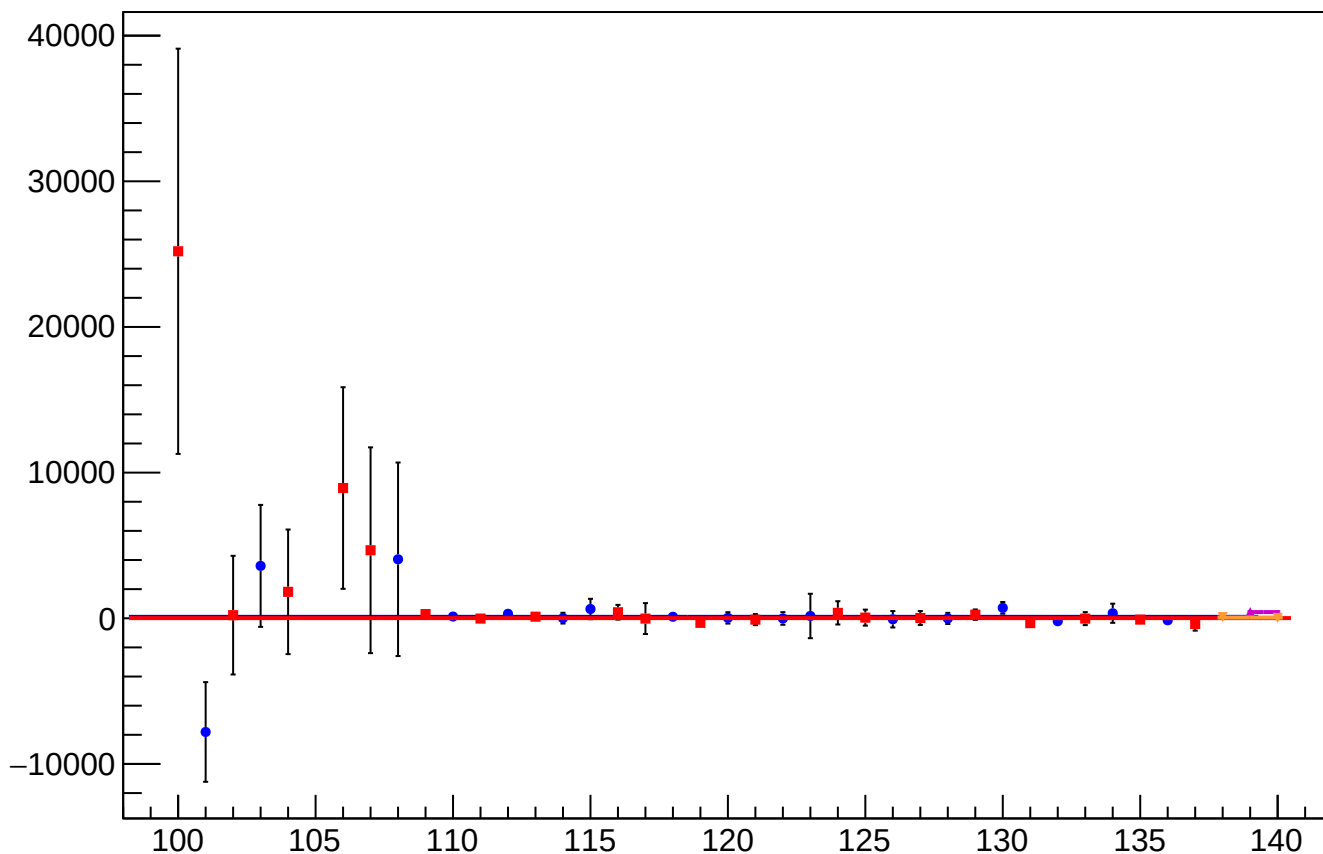
Left In: 29.164+/-0.024 χ^2/NDF : 0.0/0

28.304+/-0.008 χ^2/NDF : 3032054.4/18

28.193+/-0.006 χ^2/NDF : 6514722.1/39

28.070+/-0.008 χ^2/NDF : 3482234.9/20

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: 53.139+/-185.873 χ^2/NDF : 0.0/1

Right Out: 11.533+/-81.530 χ^2/NDF : 12.3/19

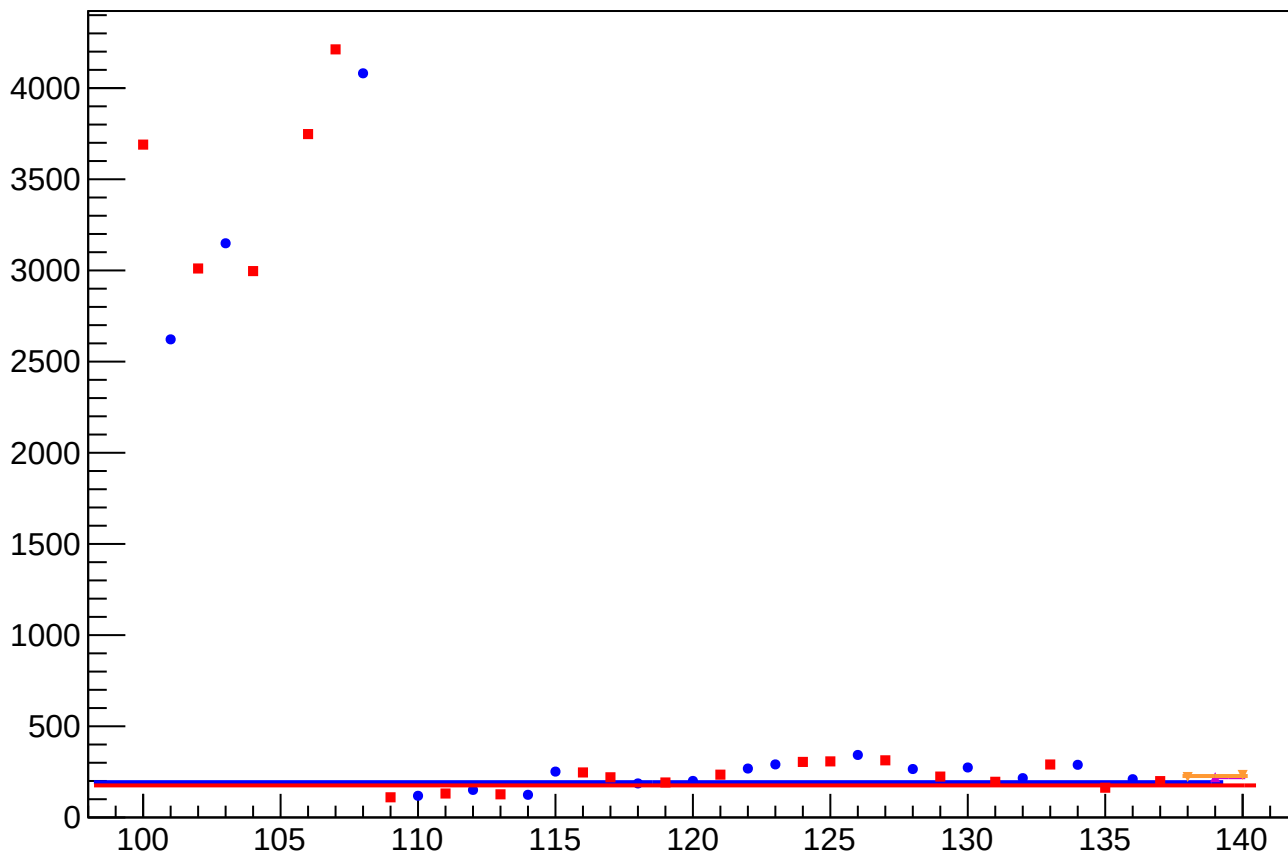
Left In: 424.977+/-263.262 χ^2/NDF : 0.0/0

89.717+/-80.421 χ^2/NDF : 12.6/18

68.043+/-55.947 χ^2/NDF : 27.3/39

47.716+/-77.881 χ^2/NDF : 14.5/20

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 227.235+/-0.131 χ^2/NDF :1855.0/1

Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

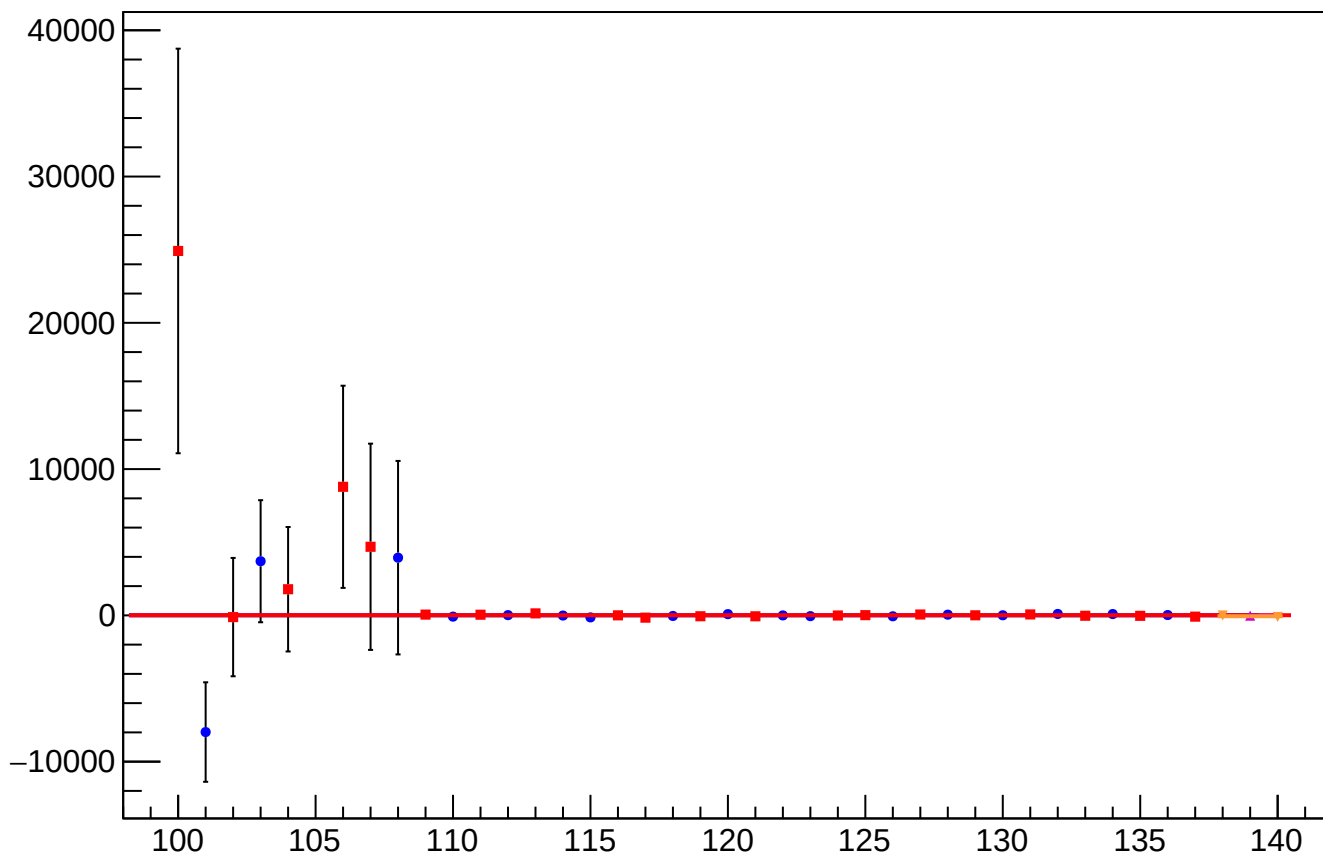
Left In: 220.965+/-0.186 χ^2/NDF :0.0/0

199.829+/-0.057 χ^2/NDF : 3592299.7/18

189.456+/-0.040 χ^2/NDF : 7879662.1/39

179.729+/-0.055 χ^2/NDF : 4222892.0/20

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: -58.625 $\pm$ 28.817 χ^2 /NDF: 3.0/1

Right Out: 10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

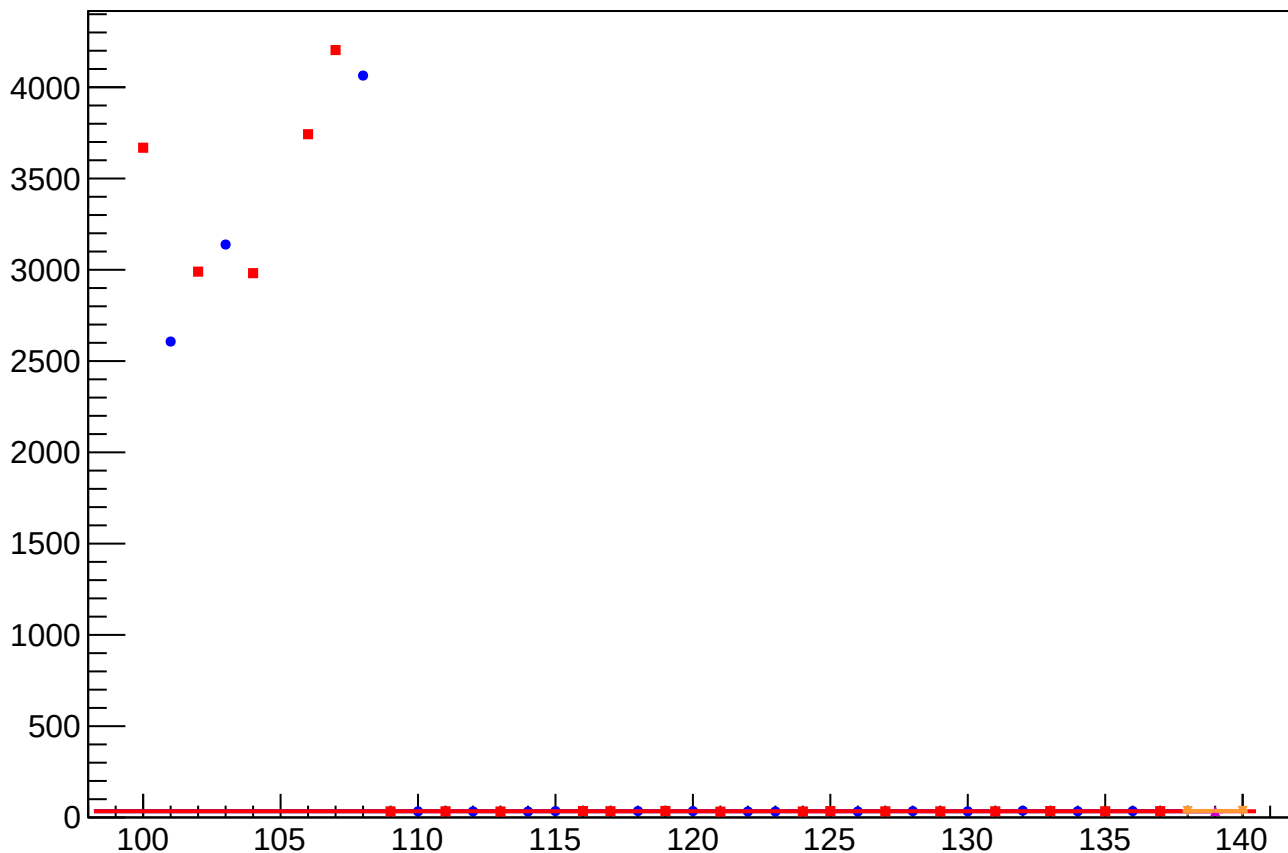
Left In: -18.779 $\pm$ 41.654 χ^2 /NDF: 0.0/0

-8.194 $\pm$ 13.341 χ^2 /NDF: 27.4/18

-0.772 $\pm$ 9.665 χ^2 /NDF: 51.4/39

7.426 $\pm$ 14.022 χ^2 /NDF: 23.4/20

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: 35.558+/-0.020 χ^2/NDF : 416.7/1

Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

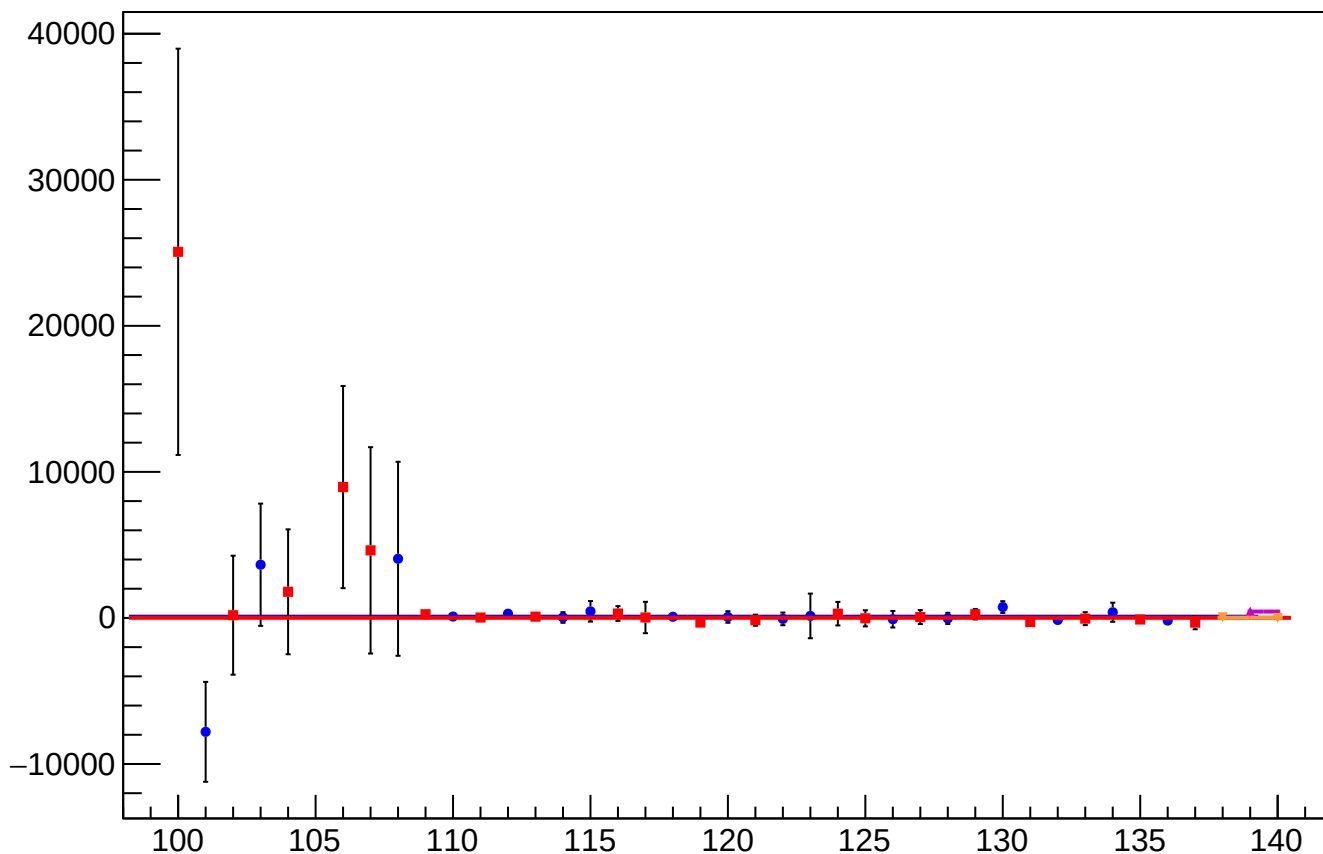
Left In: 35.400+/-0.029 χ^2/NDF : 0.0/0

34.466+/-0.009 χ^2/NDF : 3010587.5/18

34.284+/-0.007 χ^2/NDF : 6465540.5/39

34.084+/-0.010 χ^2/NDF : 3454175.0/20

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: 19.048+/-183.851 χ^2/NDF : 0.0/1

Right Out: 8.682+/-81.026 χ^2/NDF : 11.1/19

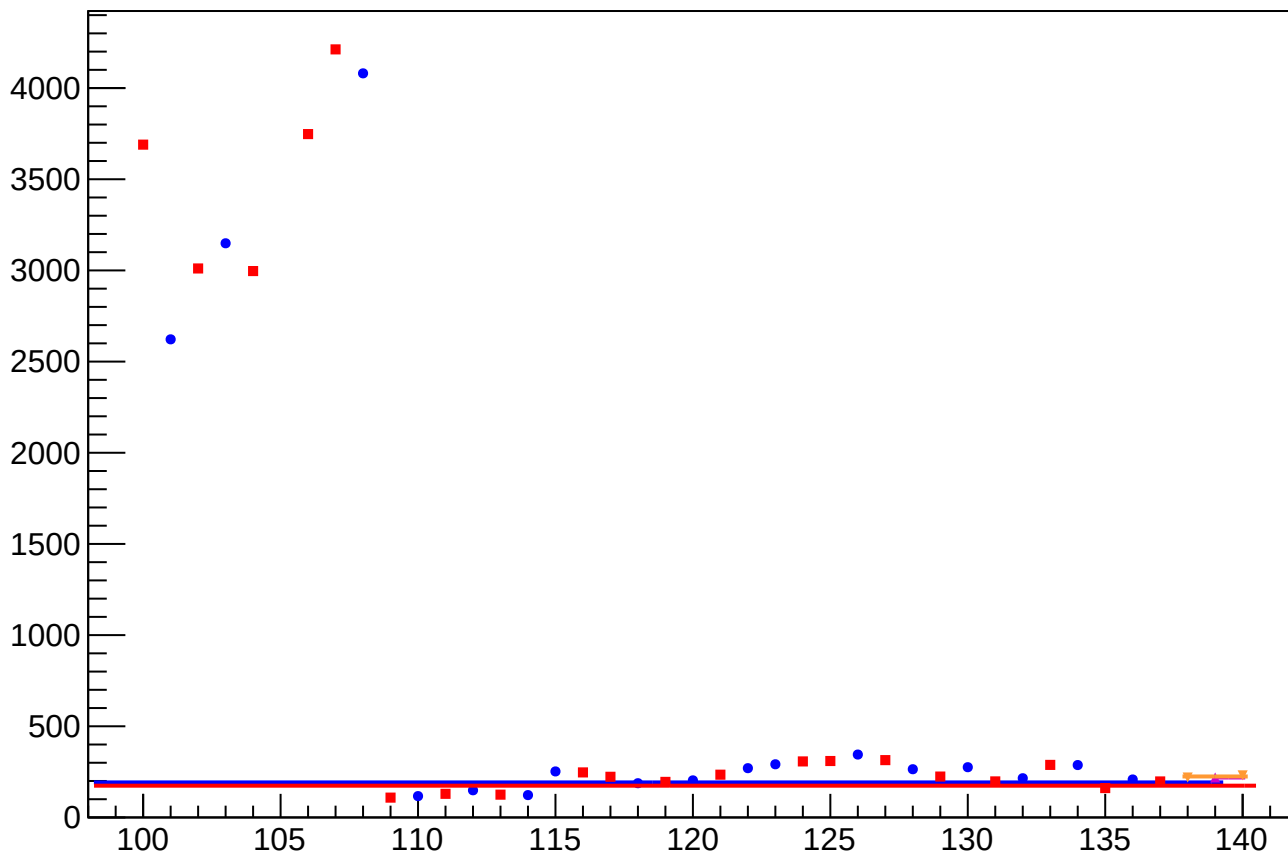
Left In: 435.747+/-261.193 χ^2/NDF : 0.0/0

72.135+/-79.922 χ^2/NDF : 12.7/18

58.735+/-55.596 χ^2/NDF : 26.2/39

46.171+/-77.388 χ^2/NDF : 13.5/20

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: 224.735+/-0.130 χ^2/NDF : 2036.7/1

Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

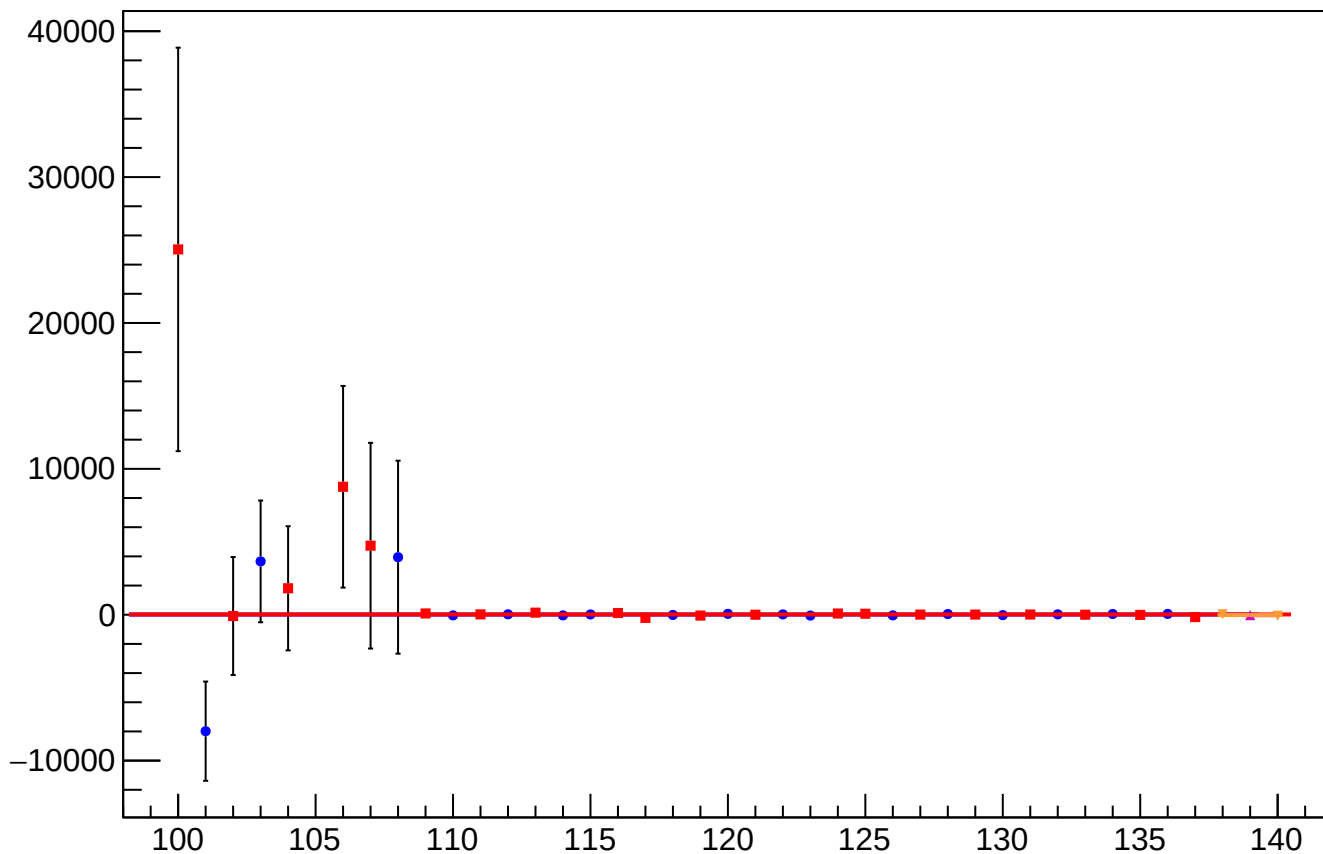
Left In: 219.204+/-0.185 χ^2/NDF : 0.0/0

198.330+/-0.057 χ^2/NDF : 3627523.2/18

187.934+/-0.039 χ^2/NDF : 7962921.4/39

178.187+/-0.055 χ^2/NDF : 4269833.3/20

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: -23.713+/-25.910 χ^2/NDF : 3.7/1

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

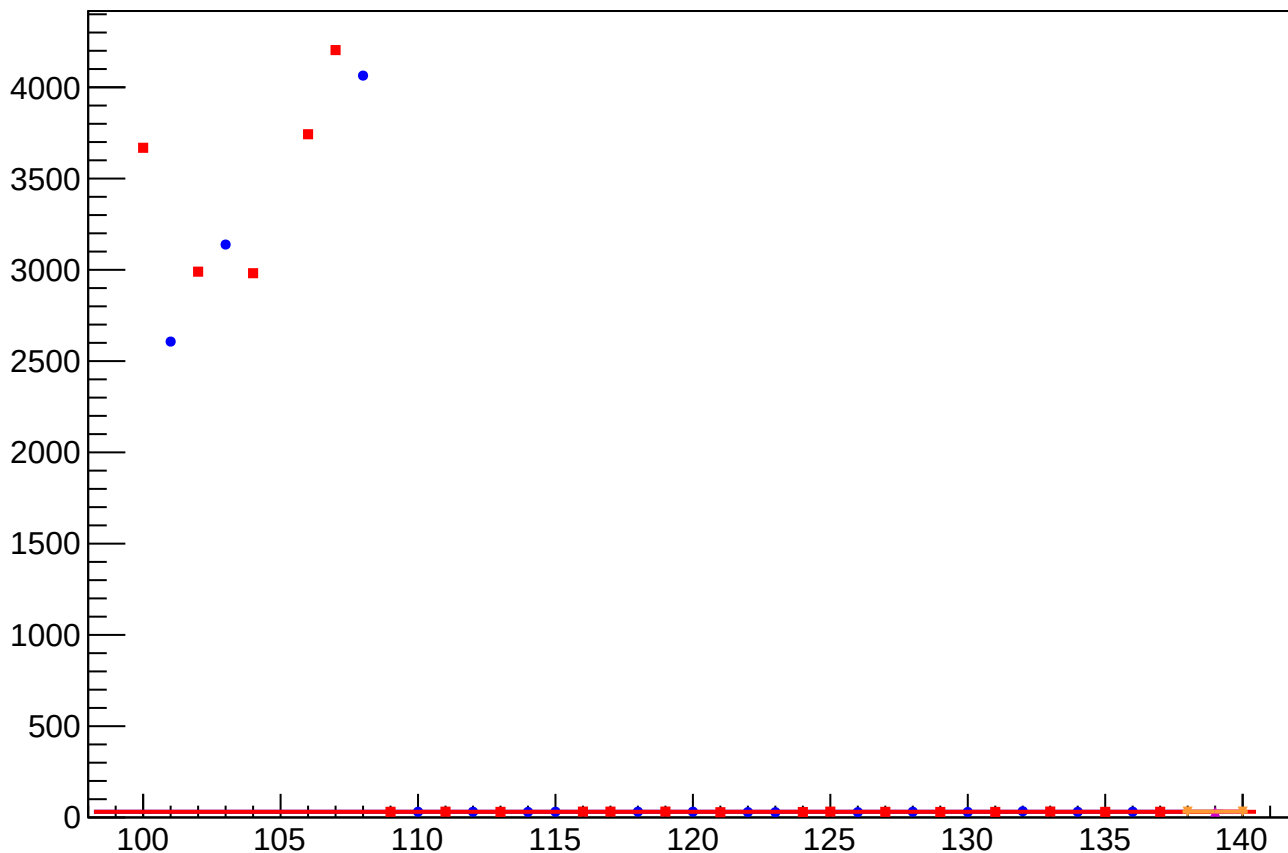
Left In: -28.279+/-37.565 χ^2/NDF : 0.0/0

4.762+/-12.127 χ^2/NDF : 19.8/18

9.634+/-8.801 χ^2/NDF : 52.1/39

15.055+/-12.793 χ^2/NDF : 31.9/20

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: 31.962+/-0.018 χ^2/NDF : 37.1/1

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

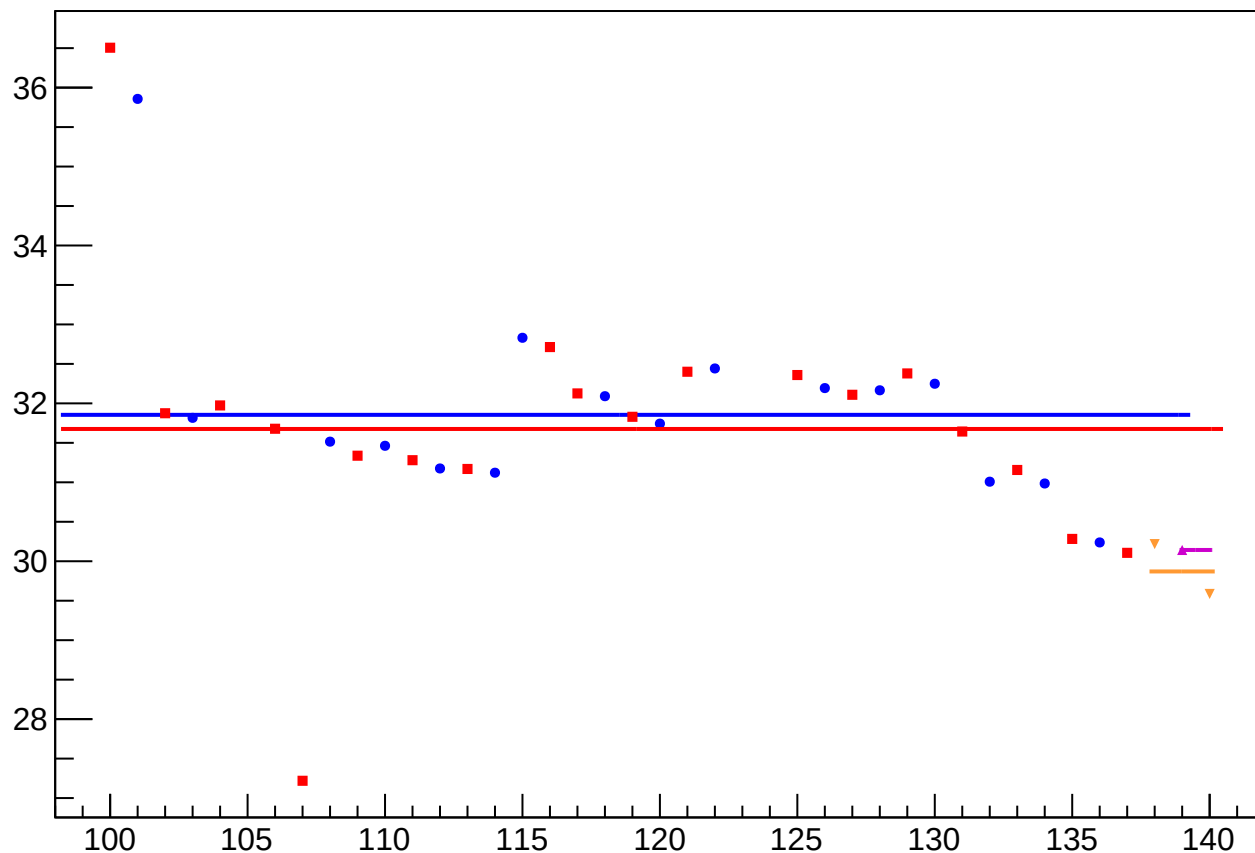
Left In: 31.901+/-0.027 χ^2/NDF : 0.0/0

31.330+/-0.009 χ^2/NDF : 3016075.1/18

31.211+/-0.006 χ^2/NDF : 6476569.4/39

31.078+/-0.009 χ^2/NDF : 3460084.3/20

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855 $\pm$ 0.000 χ^2 /NDF: 1570522165.5/15

Left Out: 29.871 $\pm$ 0.000 χ^2 /NDF: 15967925.7/1

Right Out: 31.676 $\pm$ 0.000 χ^2 /NDF: 919678295.7/18

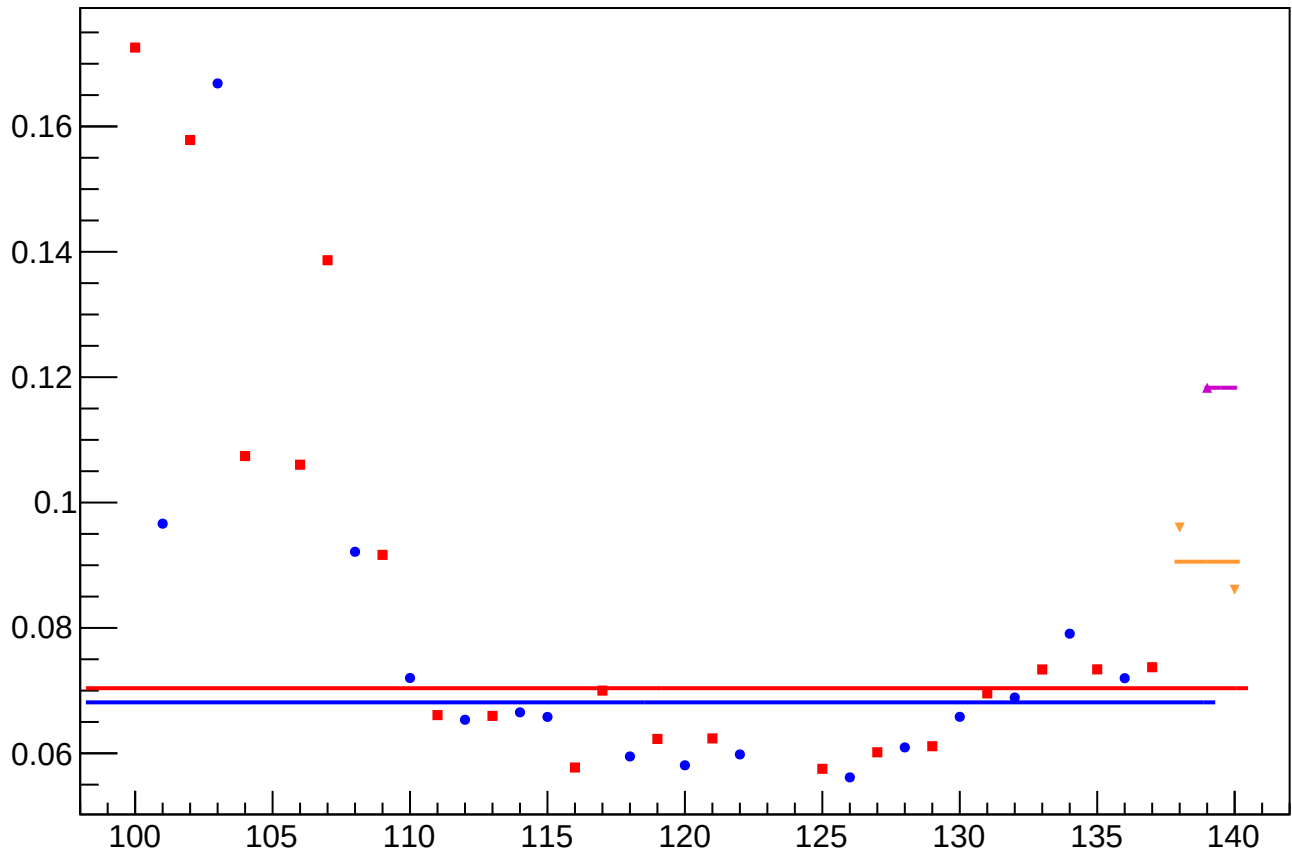
Left In: 30.143 $\pm$ 0.000 χ^2 /NDF: 0.0/0

31.626 $\pm$ 0.000 χ^2 /NDF: 2149999423.4/17

31.621 $\pm$ 0.000 χ^2 /NDF: 3181897304.1/3

31.615 $\pm$ 0.000 χ^2 /NDF: 1031812355.5/19

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF : 629767.4/15

Left Out: 0.091+/-0.000 χ^2/NDF : 7883.9/1

Right Out: 0.070+/-0.000 χ^2/NDF : 841322.7/18

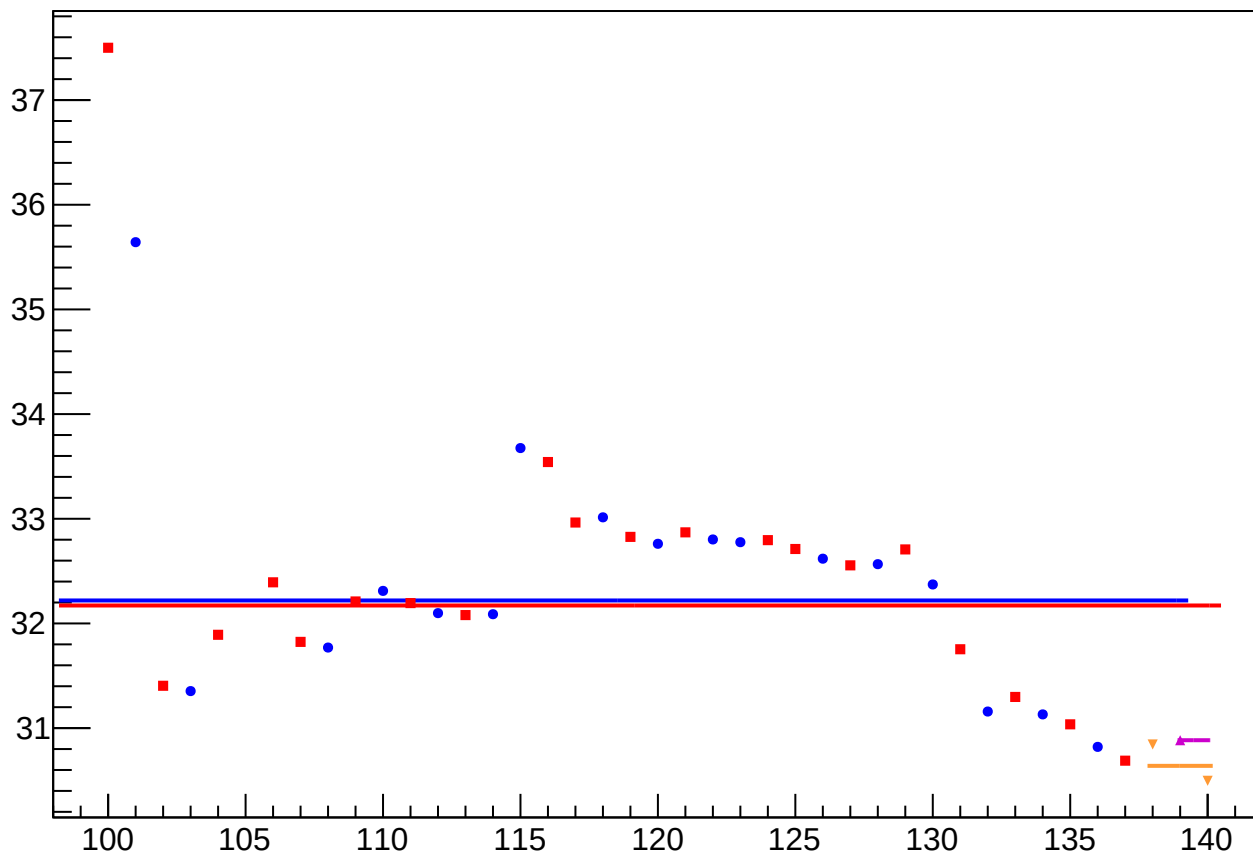
Left In: 0.118+/-0.000 χ^2/NDF : 0.0/0

0.071+/-0.000 χ^2/NDF : 781857.3/17

0.071+/-0.000 χ^2/NDF : 1845775.3/37

0.072+/-0.000 χ^2/NDF : 1060623.2/19

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 30.640+/-0.000 χ^2/NDF : 5255046.4/1

Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

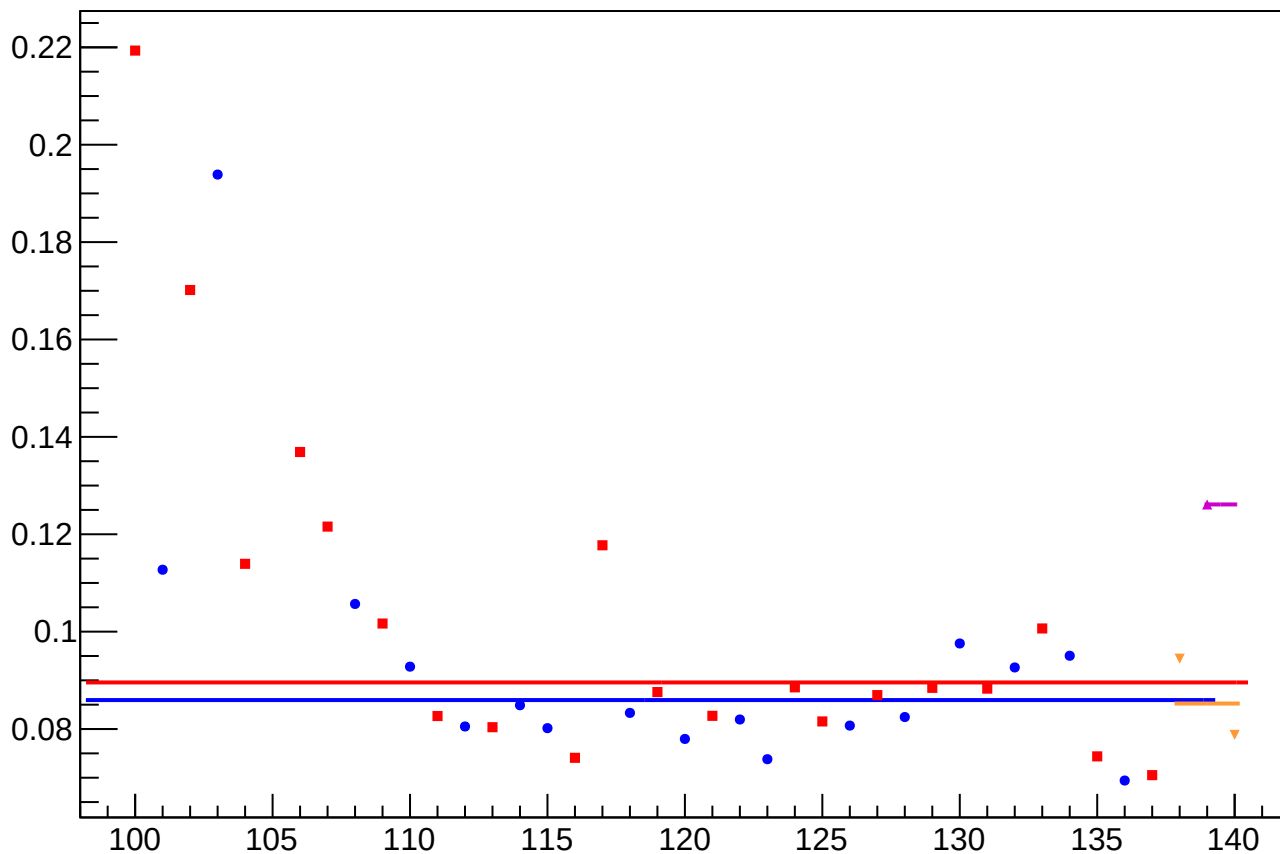
Left In: 30.884+/-0.000 χ^2/NDF : 0.0/0

31.924+/-0.000 χ^2/NDF : 1384868880.5/18

32.005+/-0.000 χ^2/NDF : 1912273829.9/3

32.101+/-0.000 χ^2/NDF : 513558224.4/20

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086 $\pm$ 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.085 $\pm$ 0.000 χ^2/NDF : 21366.0/1

Right Out: 0.090 $\pm$ 0.000 χ^2/NDF : 544516.7/19

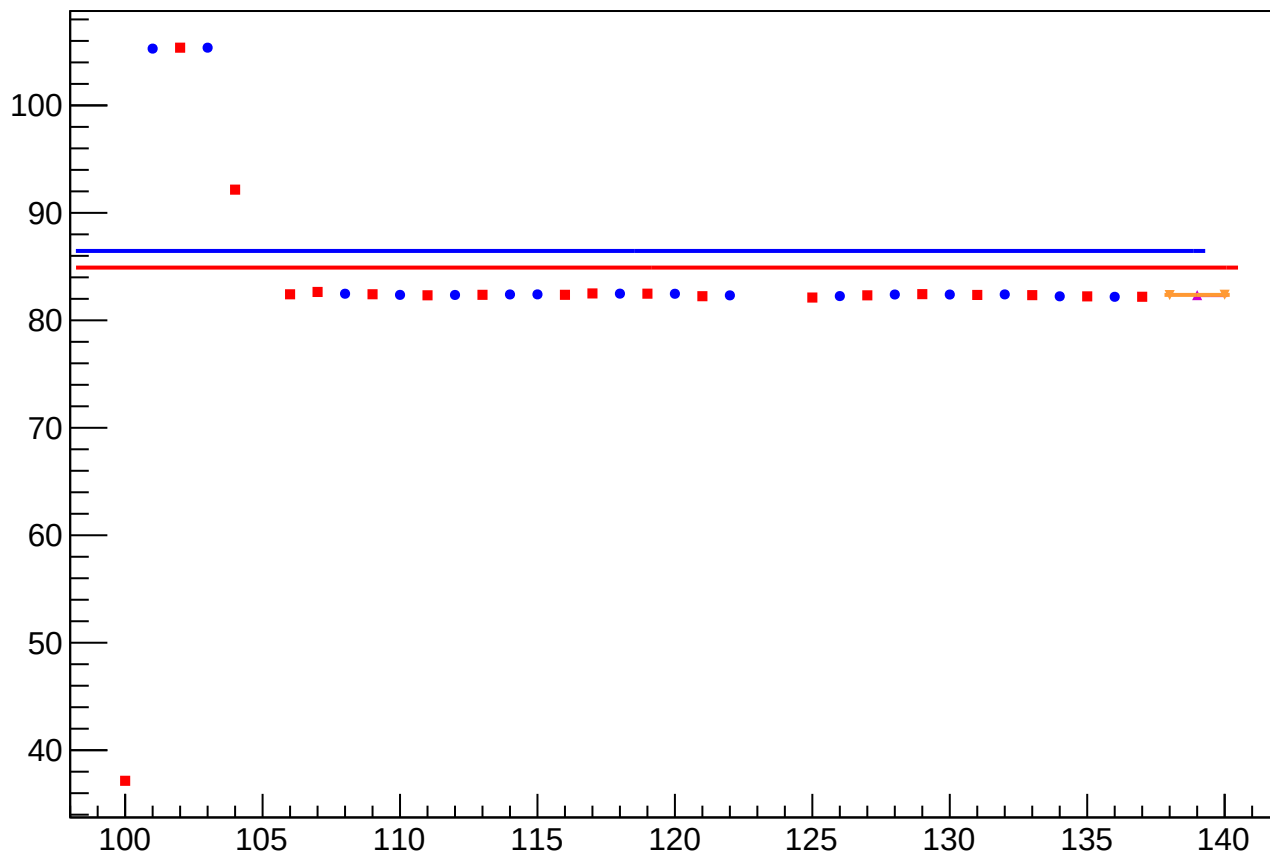
Left In: 0.126 $\pm$ 0.000 χ^2/NDF : 0.0/0

0.086 $\pm$ 0.000 χ^2/NDF : 574795.3/18

0.088 $\pm$ 0.000 χ^2/NDF : 1260420.3/39

0.092 $\pm$ 0.000 χ^2/NDF : 656500.6/20

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.366+/-0.000 χ^2/NDF : 185100.6/1

Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

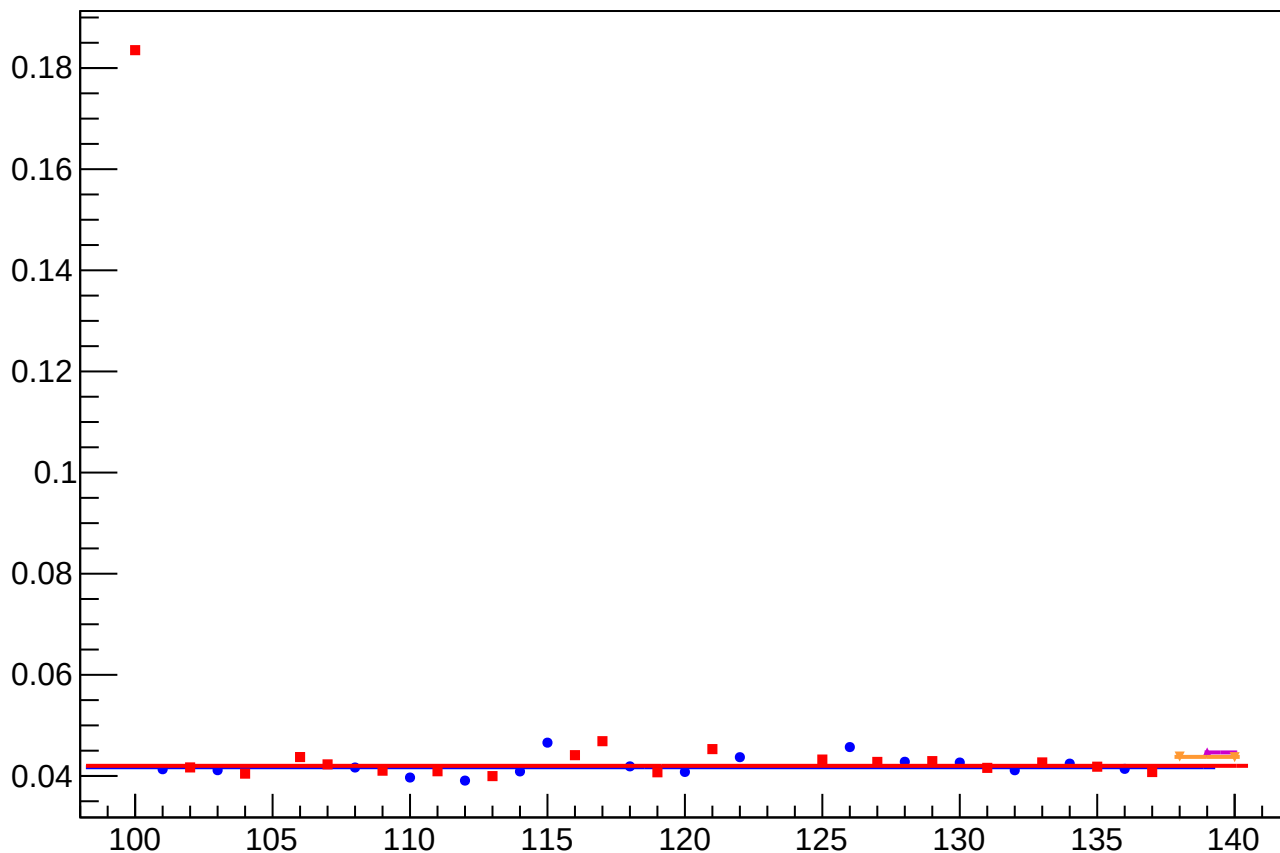
Left In: 82.346+/-0.000 χ^2/NDF : 0.0/0

85.748+/-0.000 χ^2/NDF : 302349054618.6/17

85.237+/-0.000 χ^2/NDF : 479263239900.3

84.694+/-0.000 χ^2/NDF : 174460399075.2/19

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 : 5.8/1

Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

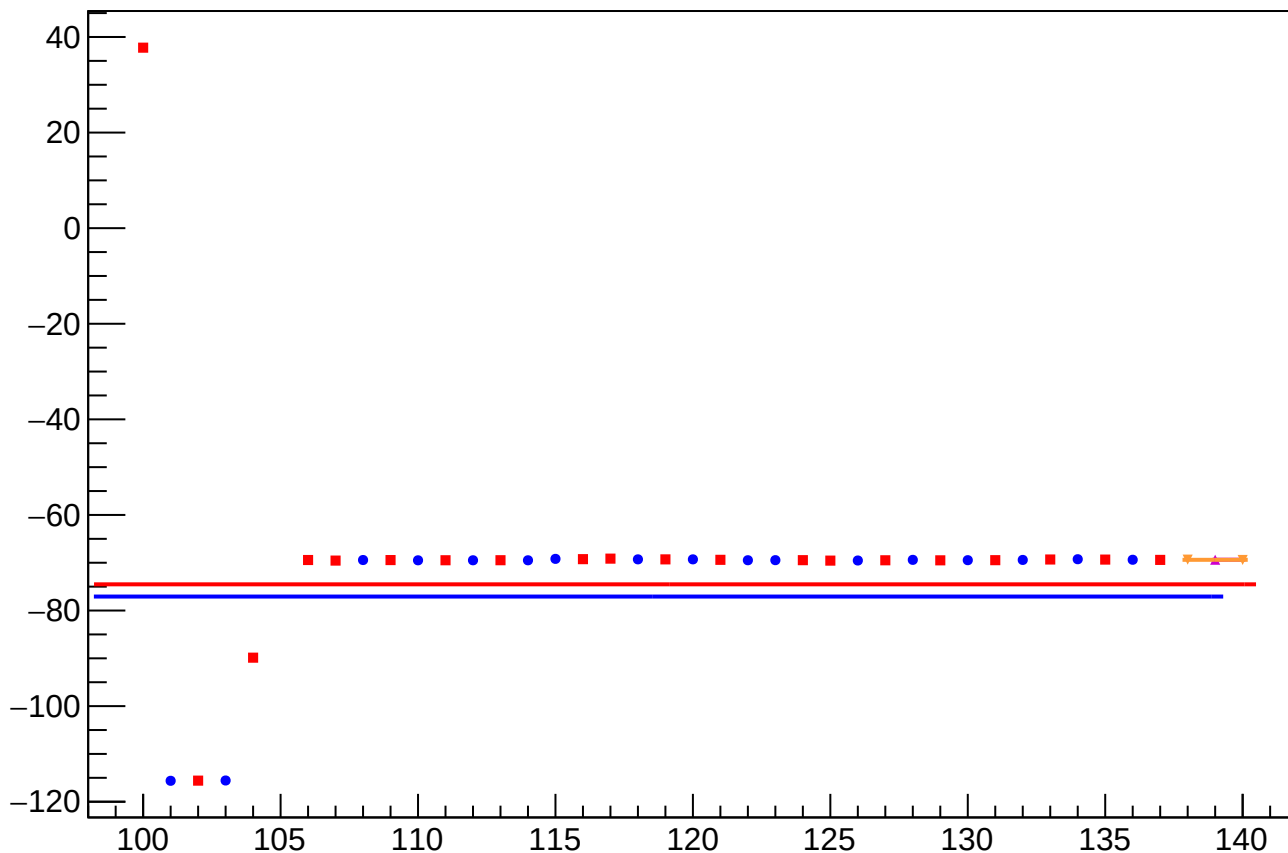
Left In: 0.045+/-0.000 χ^2/NDF : 0.0/0

0.042+/-0.000 χ^2/NDF : 24348.7/17

0.042+/-0.000 χ^2/NDF : 126830.3/37

0.042+/-0.000 χ^2/NDF : 102389.8/19

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.388+/-0.000 χ^2/NDF : 562853.7/1

Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

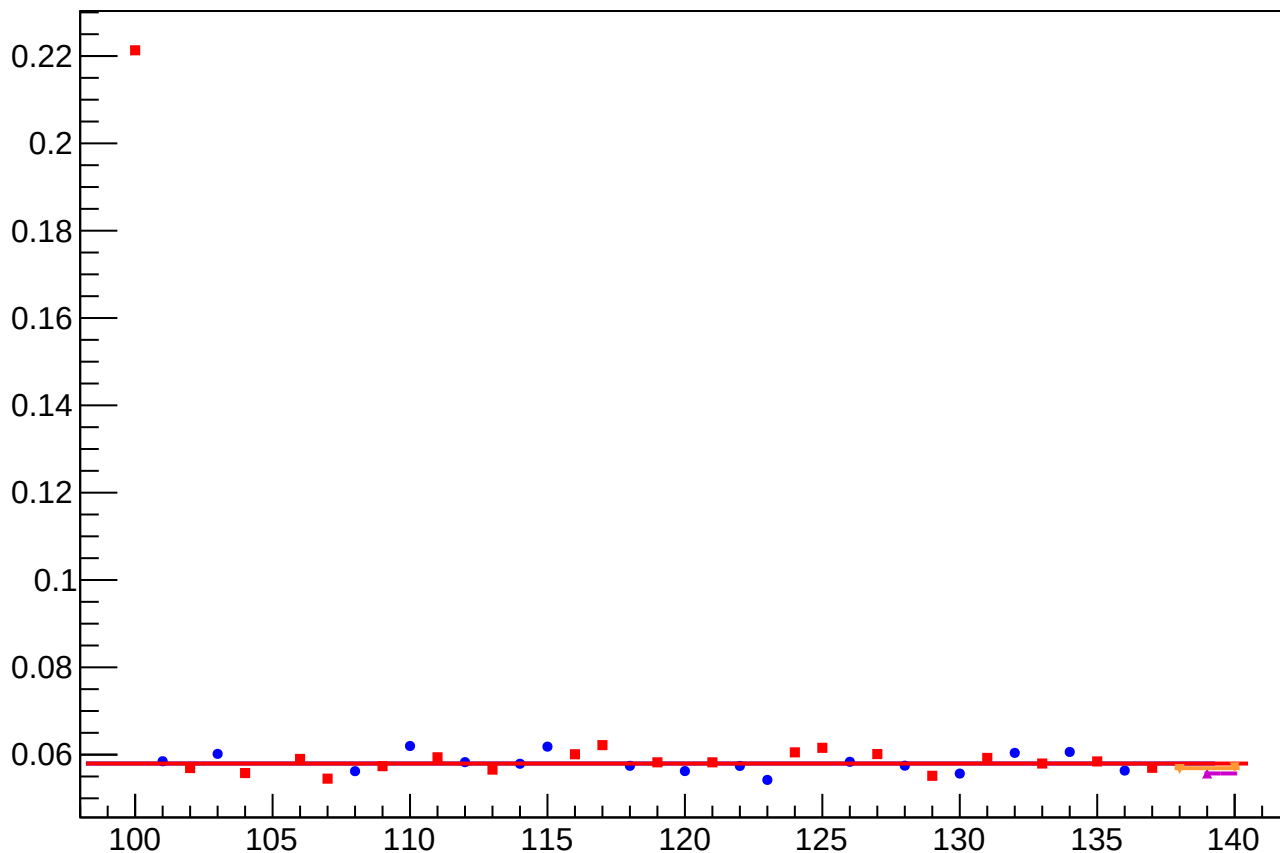
Left In: -69.368+/-0.000 χ^2/NDF : 0.0/0

-75.593+/-0.000 χ^2/NDF : 587191483891.4/18

-74.815+/-0.000 χ^2/NDF : 967735221084.

-74.006+/-0.000 χ^2/NDF : 377617253935.8/20

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.057+/-0.000 χ^2/NDF : 37.4/1

Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

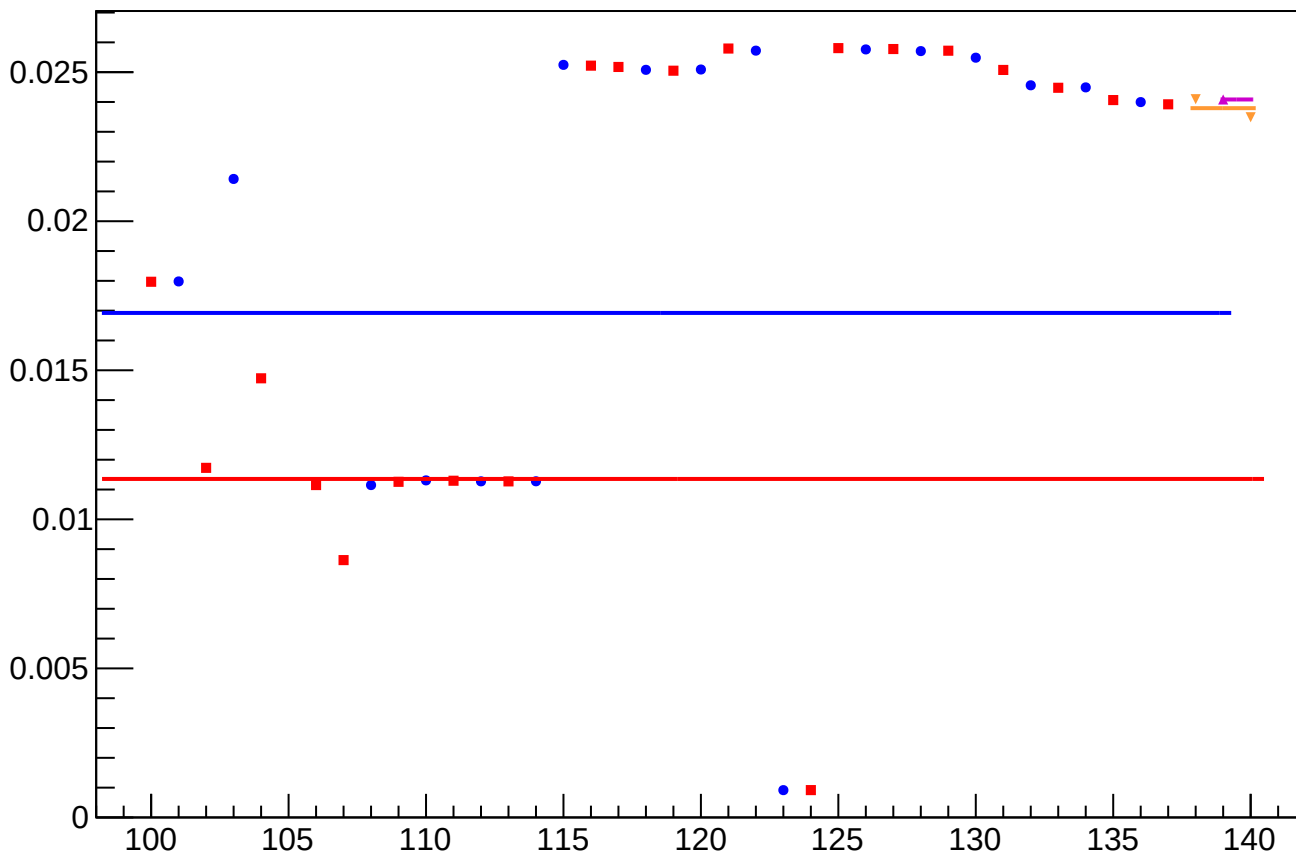
Left In: 0.056+/-0.000 χ^2/NDF : 0.0/0

0.058+/-0.000 χ^2/NDF : 13155.8/18

0.058+/-0.000 χ^2/NDF : 102121.4/39

0.058+/-0.000 χ^2/NDF : 88963.8/20

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 21522176.3/1

0.018 $\pm$ 0.000 χ^2 /NDF: 136177614147.9/18

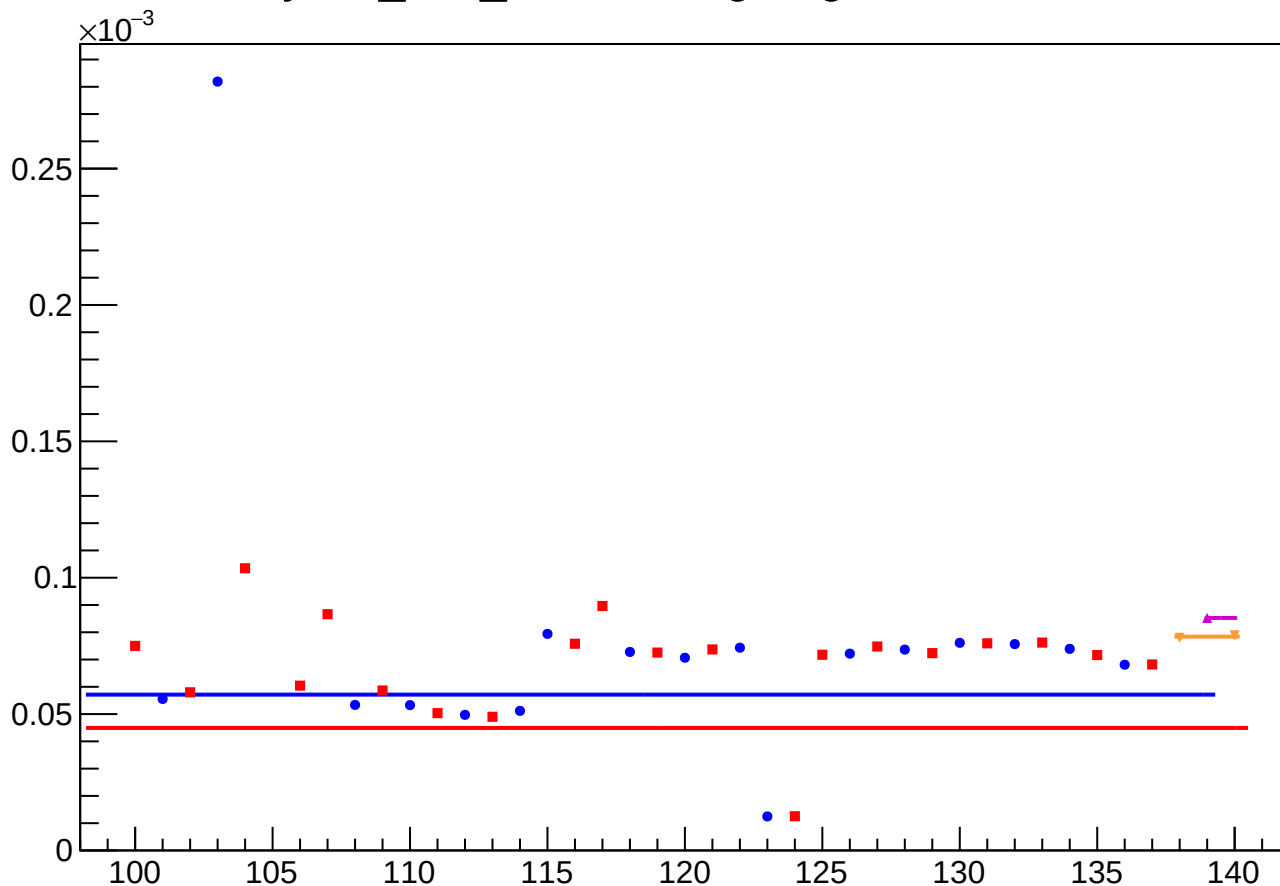
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.014 $\pm$ 0.000 χ^2 /NDF: 425008568969.3/7

0.012 $\pm$ 0.000 χ^2 /NDF: 250950824433.1/20

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 99.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

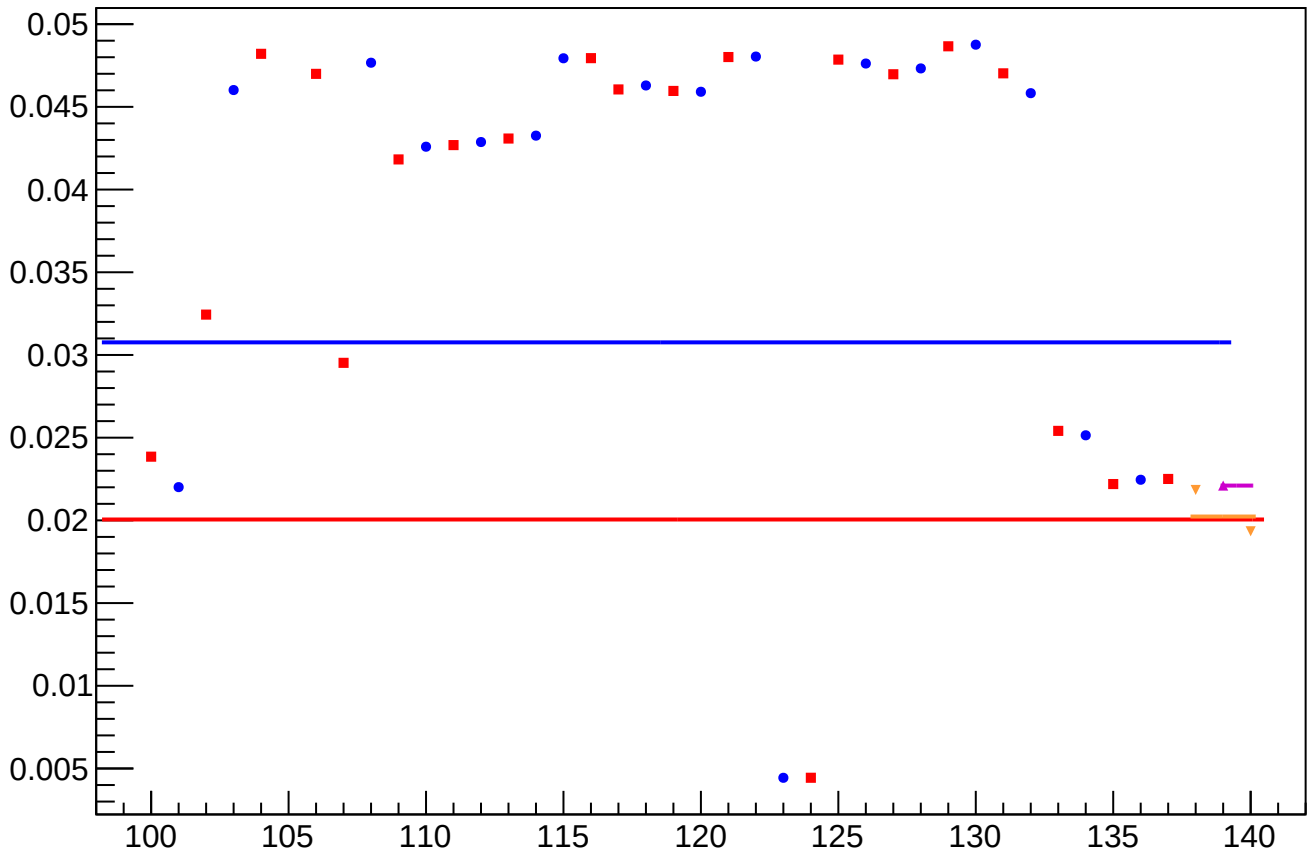
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 2186614.8/18

0.000+/-0.000 χ^2/NDF : 6485091.0/39

0.000+/-0.000 χ^2/NDF : 3918251.4/20

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.020+/-0.000 χ^2/NDF :23896150.1/1

0.029+/-0.000 χ^2/NDF : 22695291927.9/18

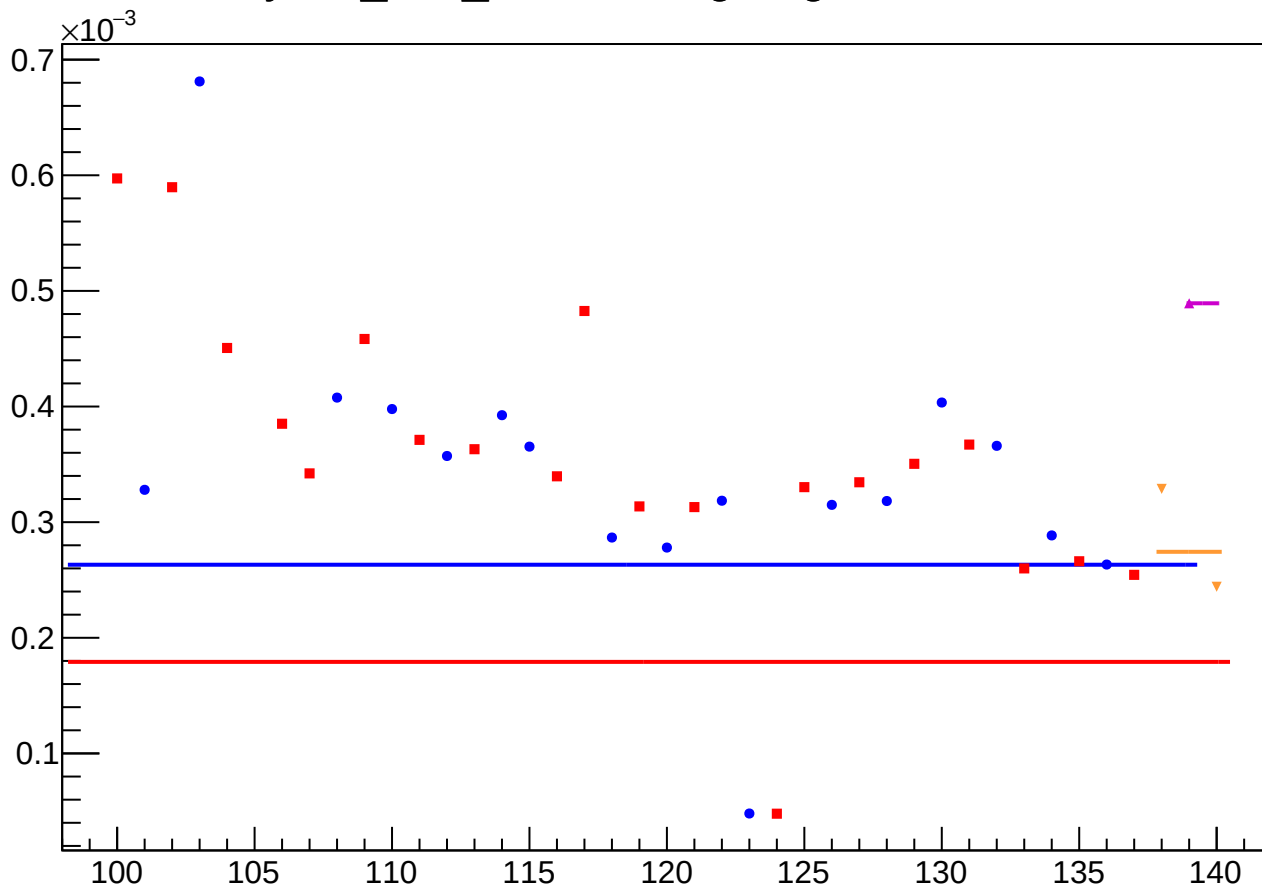
0.024+/-0.000 χ^2/NDF : 66632531326.8/3

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

0.020+/-0.000 χ^2/NDF : 40145710074.3/20

Left In: 0.022+/-0.000 χ^2/NDF :0.0/0

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 54869.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

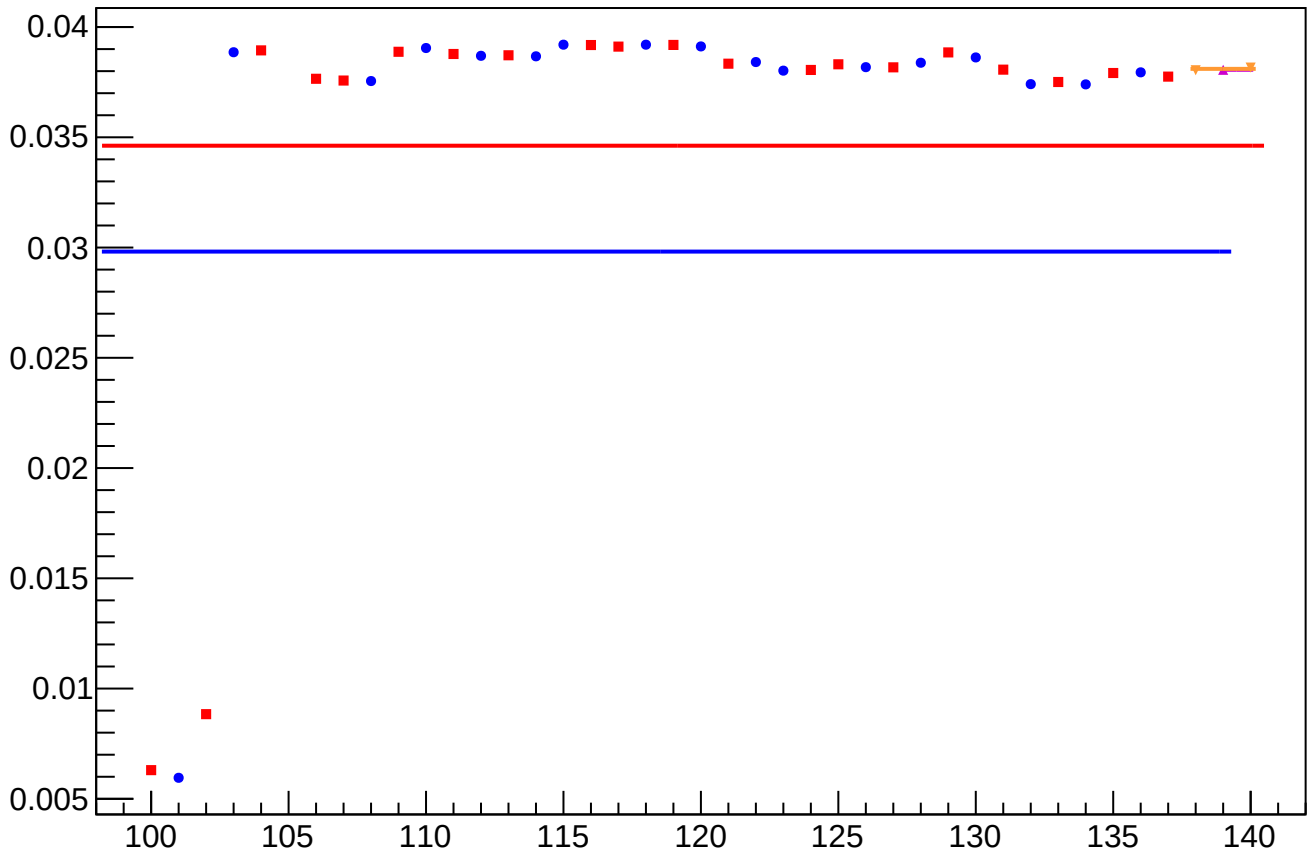
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 2459290.2/18

0.000+/-0.000 χ^2/NDF : 9009680.3/39

0.000+/-0.000 χ^2/NDF : 5924385.5/20

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.038+/-0.000 χ^2/NDF : 254491.8/1

Right Out: 0.035+/-0.000 χ^2/NDF : 43717644957.2/19

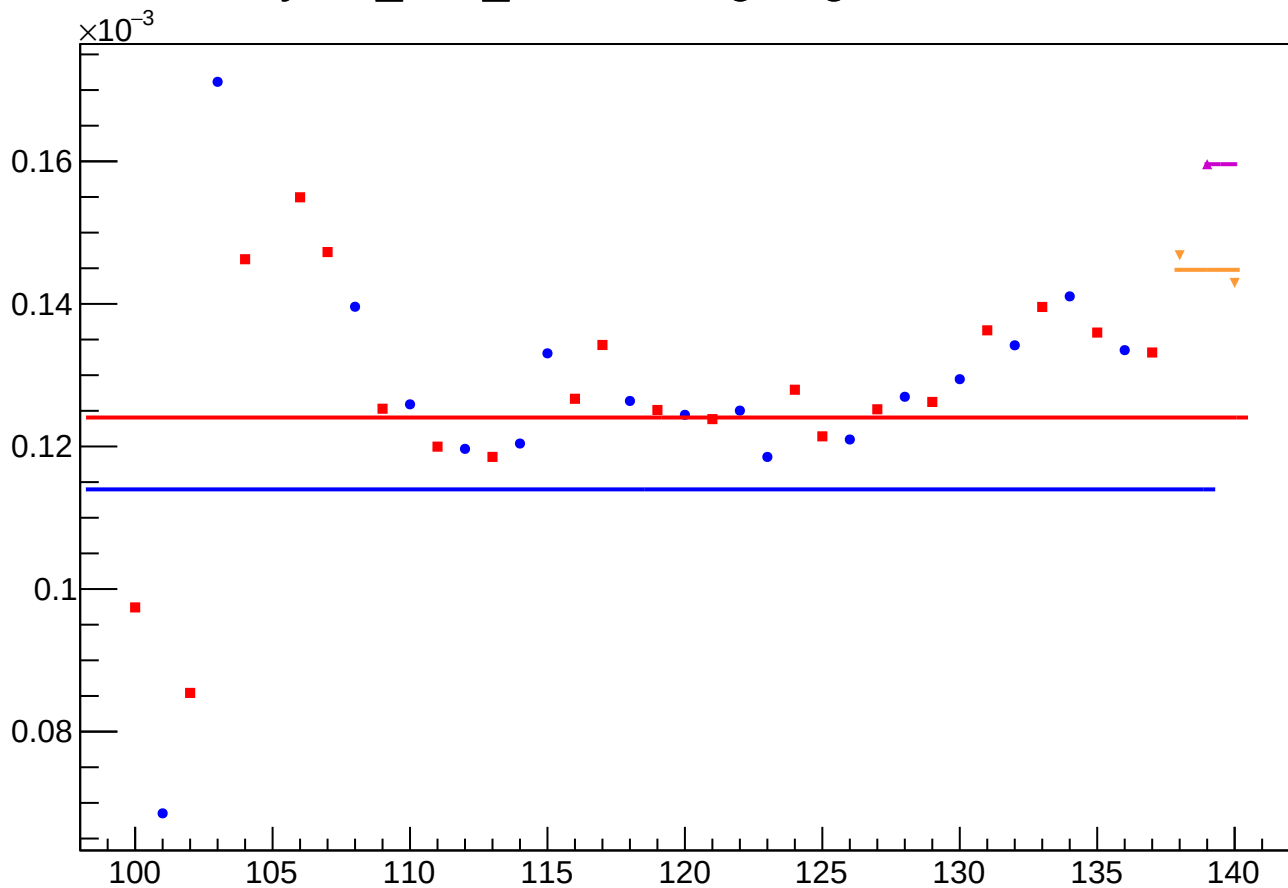
Left In: 0.038+/-0.000 χ^2/NDF : 0.0/0

0.031+/-0.000 χ^2/NDF : 101326373160.2/18

0.033+/-0.000 χ^2/NDF : 149239897771.6/1

0.035+/-0.000 χ^2/NDF : 44029801665.4/20

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 523.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

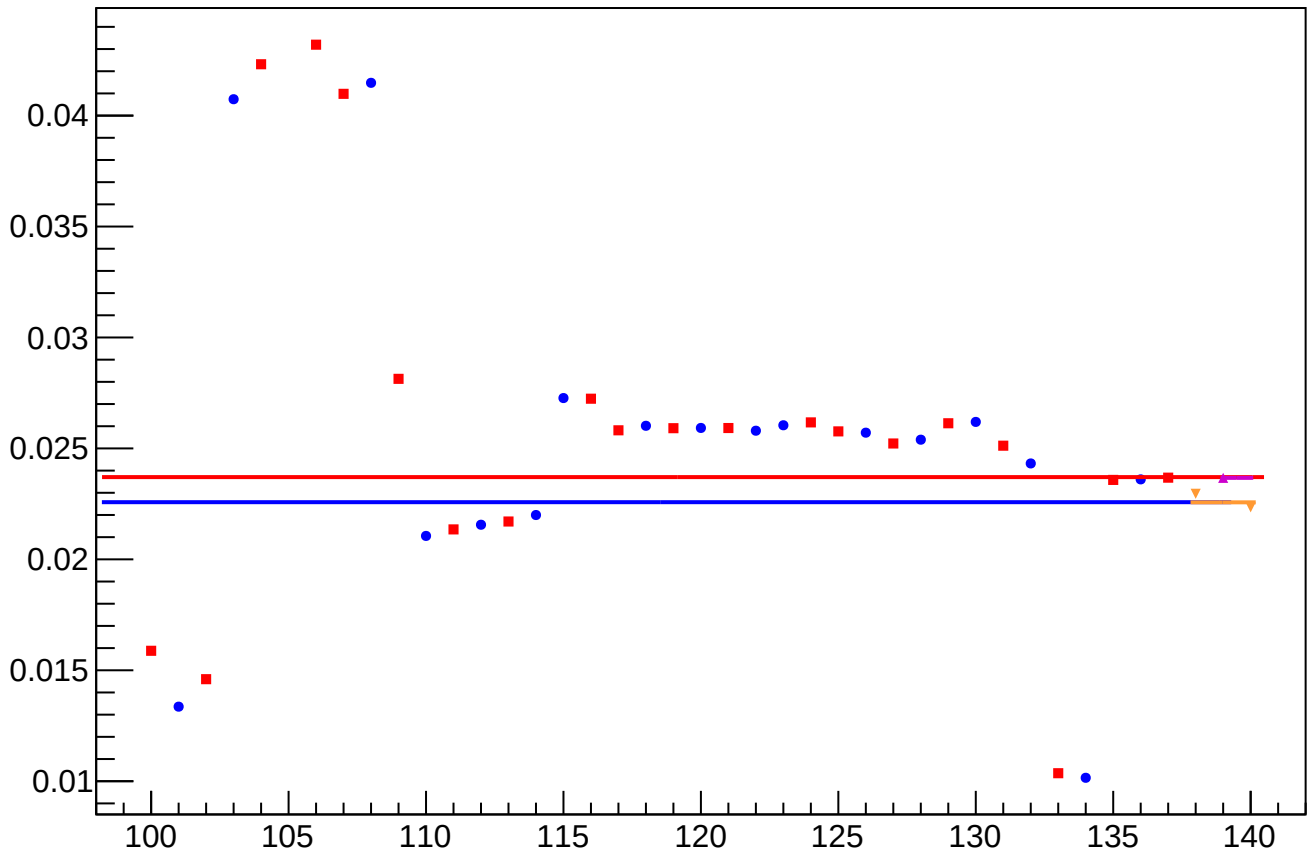
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 910402.9/18

0.000+/-0.000 χ^2/NDF : 1256727.3/39

0.000+/-0.000 χ^2/NDF : 312170.8/20

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.023+/-0.000 χ^2/NDF :1660886.4/1

Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

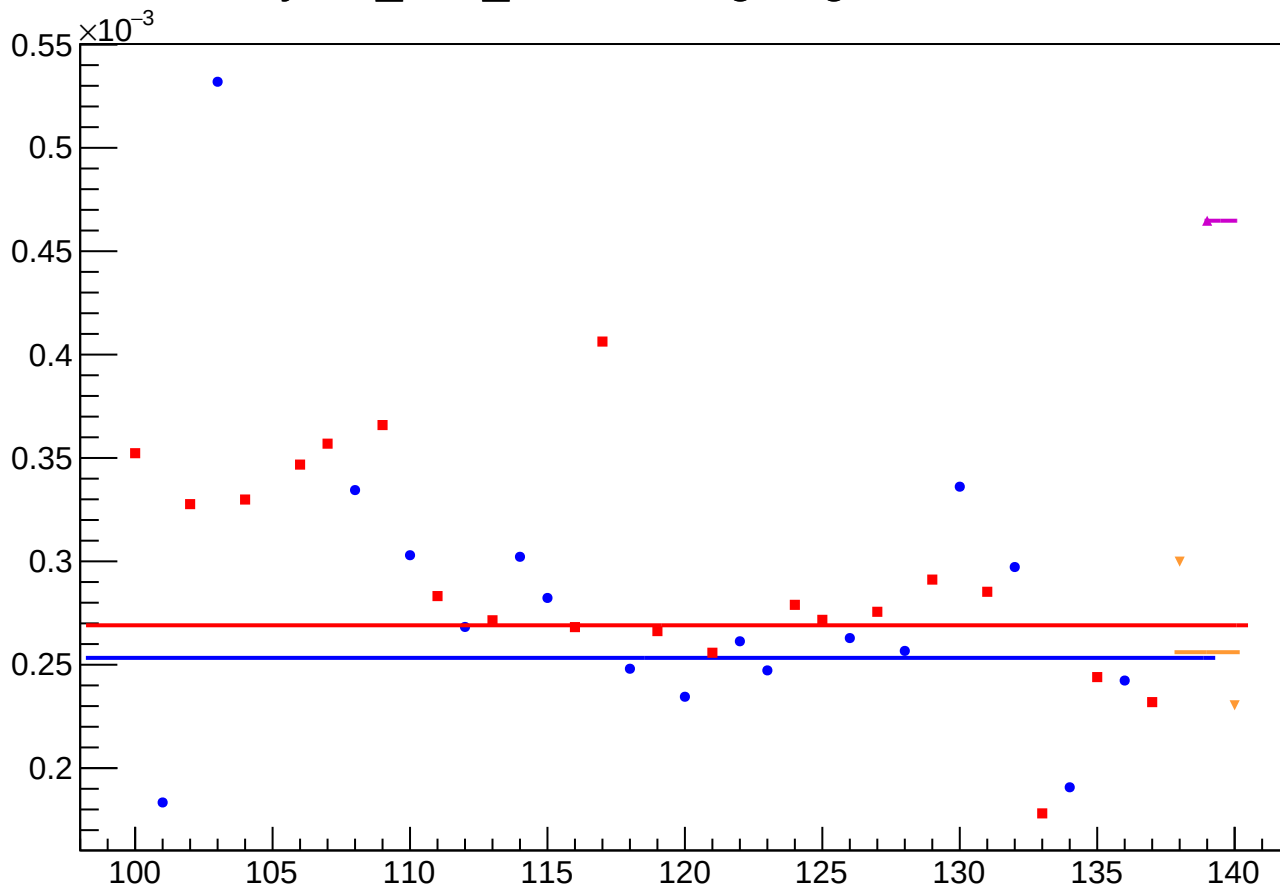
Left In: 0.024+/-0.000 χ^2/NDF :0.0/0

0.023+/-0.000 χ^2/NDF : 4249436325.9/18

0.023+/-0.000 χ^2/NDF : 9964511202.0/39

0.024+/-0.000 χ^2/NDF : 5652509090.3/20

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 : 42863.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

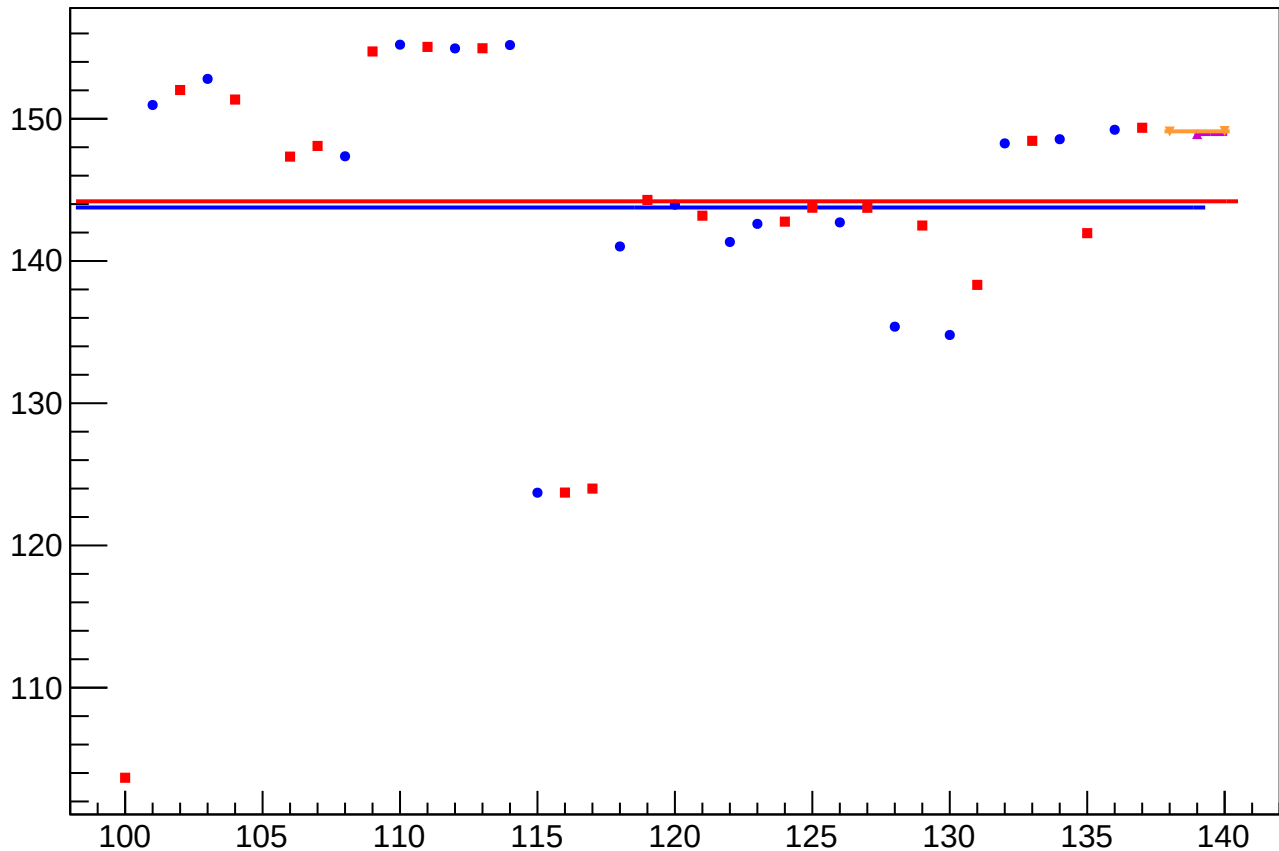
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 672260.4/18

0.000+/-0.000 χ^2/NDF : 1398734.1/39

0.000+/-0.000 χ^2/NDF : 677194.0/20

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 149.116 $\pm$ 0.000 χ^2 /NDF: 4669.5/1

Right Out: 144.197 $\pm$ 0.000 χ^2 /NDF: 4523139755.0/19

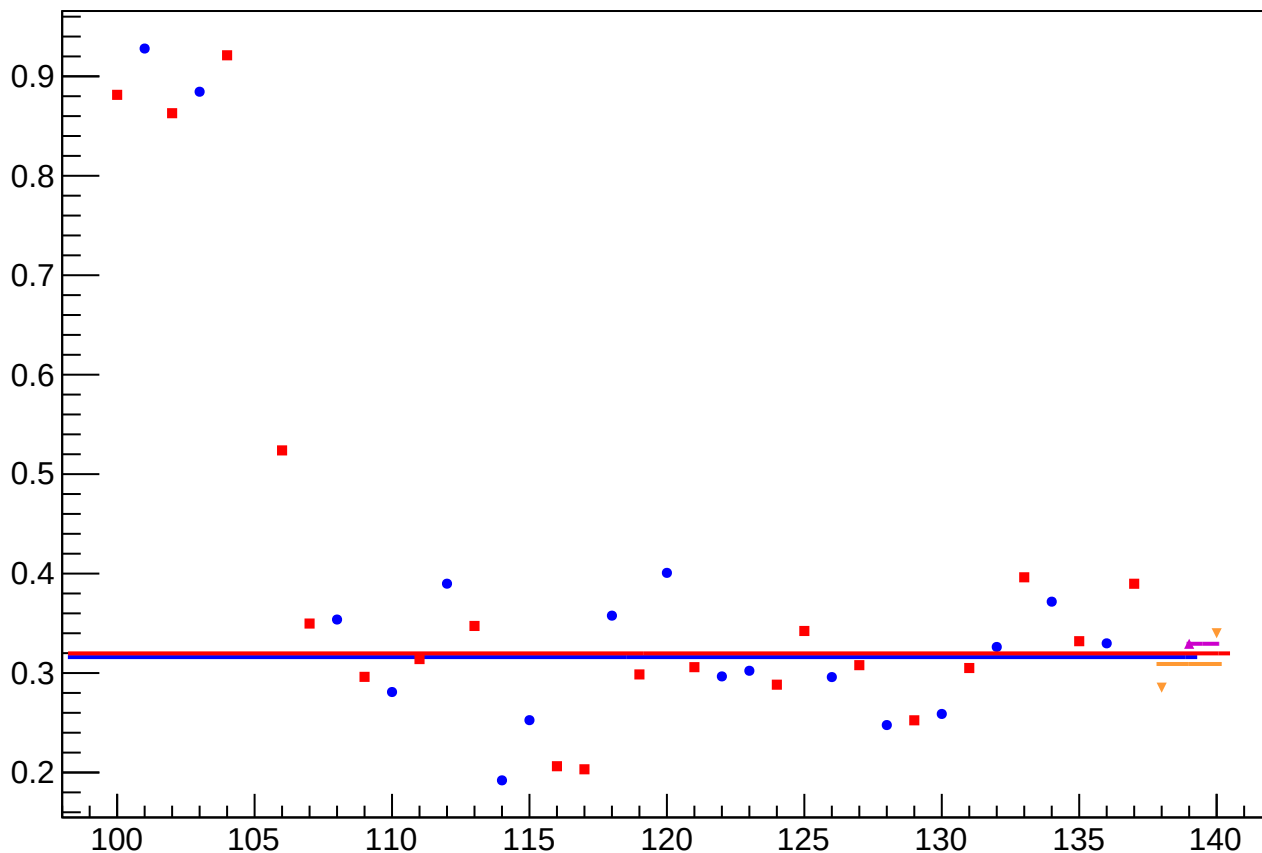
Left In: 148.927 $\pm$ 0.000 χ^2 /NDF: 0.0/0

144.929 $\pm$ 0.000 χ^2 /NDF: 3881995992.2/18

144.808 $\pm$ 0.000 χ^2 /NDF: 8537180258.6/1

144.674 $\pm$ 0.000 χ^2 /NDF: 4652993961.1/20

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.309+/-0.000 χ^2/NDF : 22800.1/1

Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

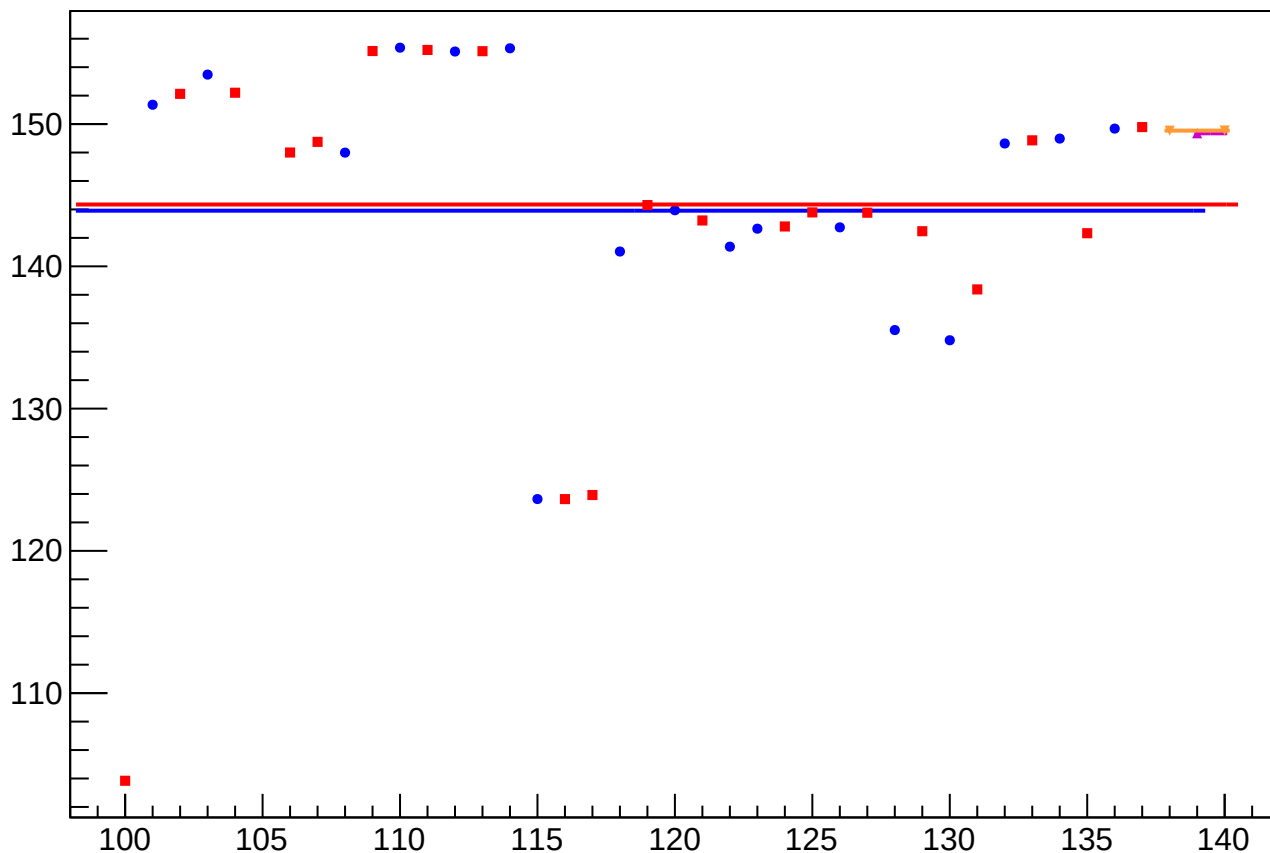
Left In: 0.329+/-0.000 χ^2/NDF : 0.0/0

0.315+/-0.000 χ^2/NDF : 1289883.9/18

0.317+/-0.000 χ^2/NDF : 2535325.4/39

0.321+/-0.000 χ^2/NDF : 1242837.3/20

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 149.541 $\pm$ 0.000 χ^2 /NDF: 624.6/1

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

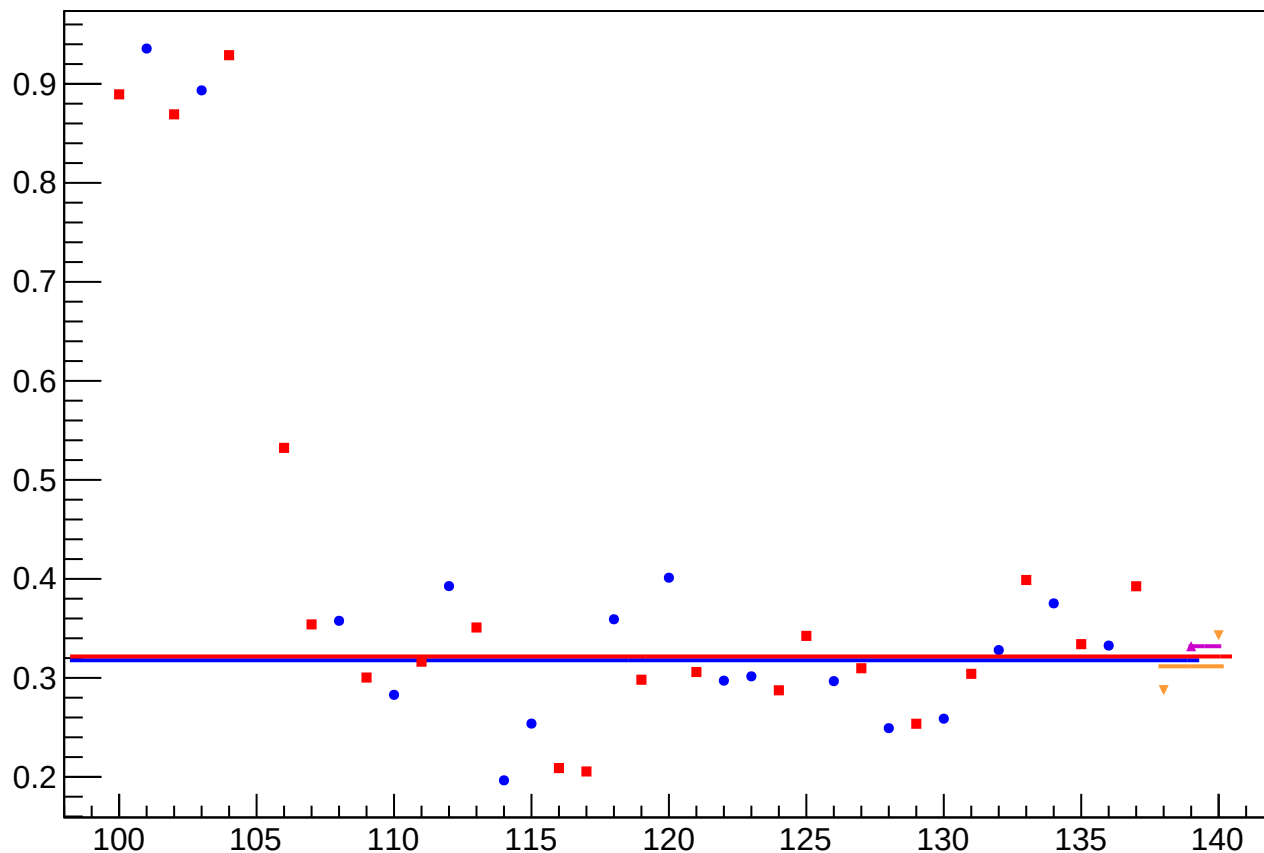
Left In: 149.351 $\pm$ 0.000 χ^2 /NDF: 0.0/0

145.134 $\pm$ 0.000 χ^2 /NDF: 3965864874.9/18

144.999 $\pm$ 0.000 χ^2 /NDF: 8662275251.9/19

144.850 $\pm$ 0.000 χ^2 /NDF: 4693735513.1/20

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.312 $\pm$ 0.000 χ^2 /NDF: 23020.6/1

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1244304.0/19

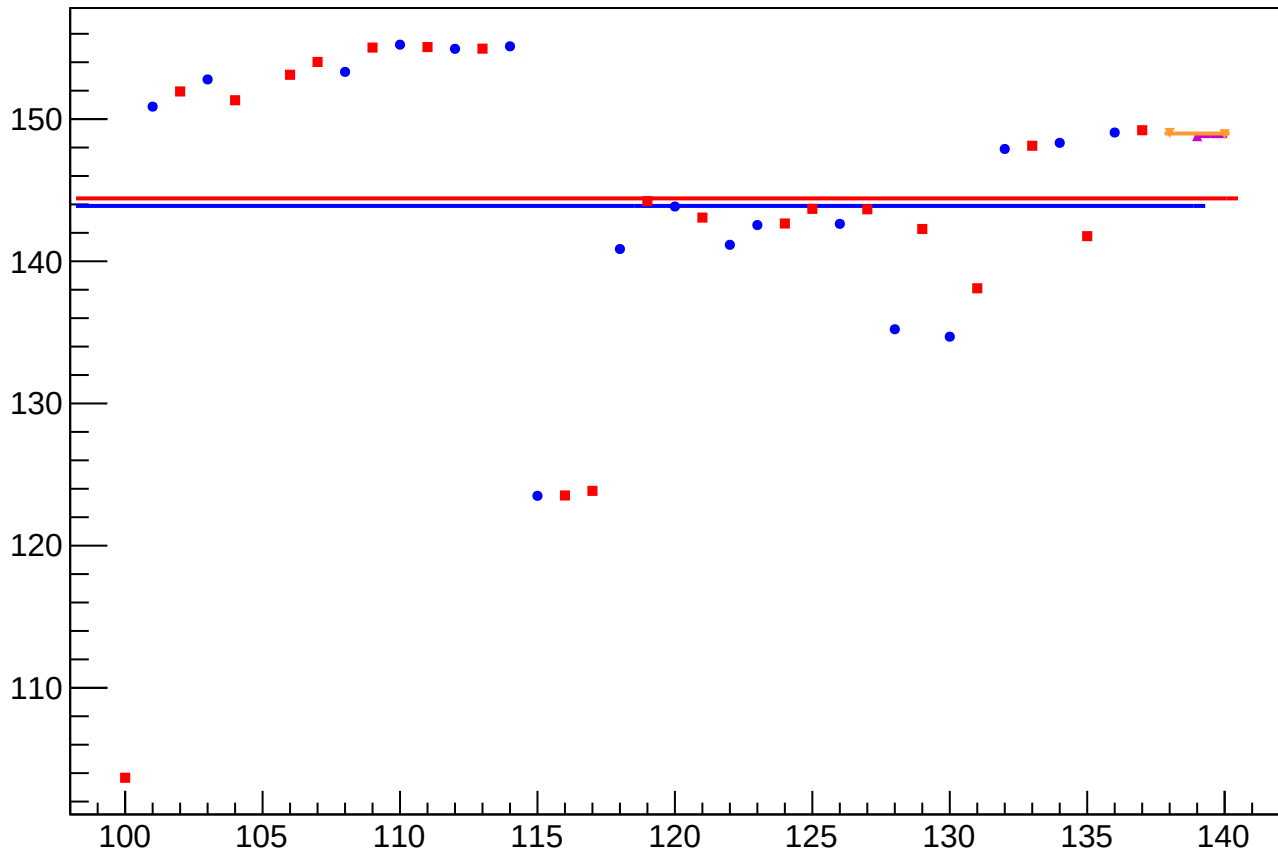
Left In: 0.332 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.316 $\pm$ 0.000 χ^2 /NDF: 1292172.0/18

0.319 $\pm$ 0.000 χ^2 /NDF: 2540259.2/39

0.323 $\pm$ 0.000 χ^2 /NDF: 1245529.8/20

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.987 $\pm$ 0.000 χ^2/NDF : 29210.6/1

Right Out: 144.423 $\pm$ 0.000 χ^2/NDF : 4819194675.6/19

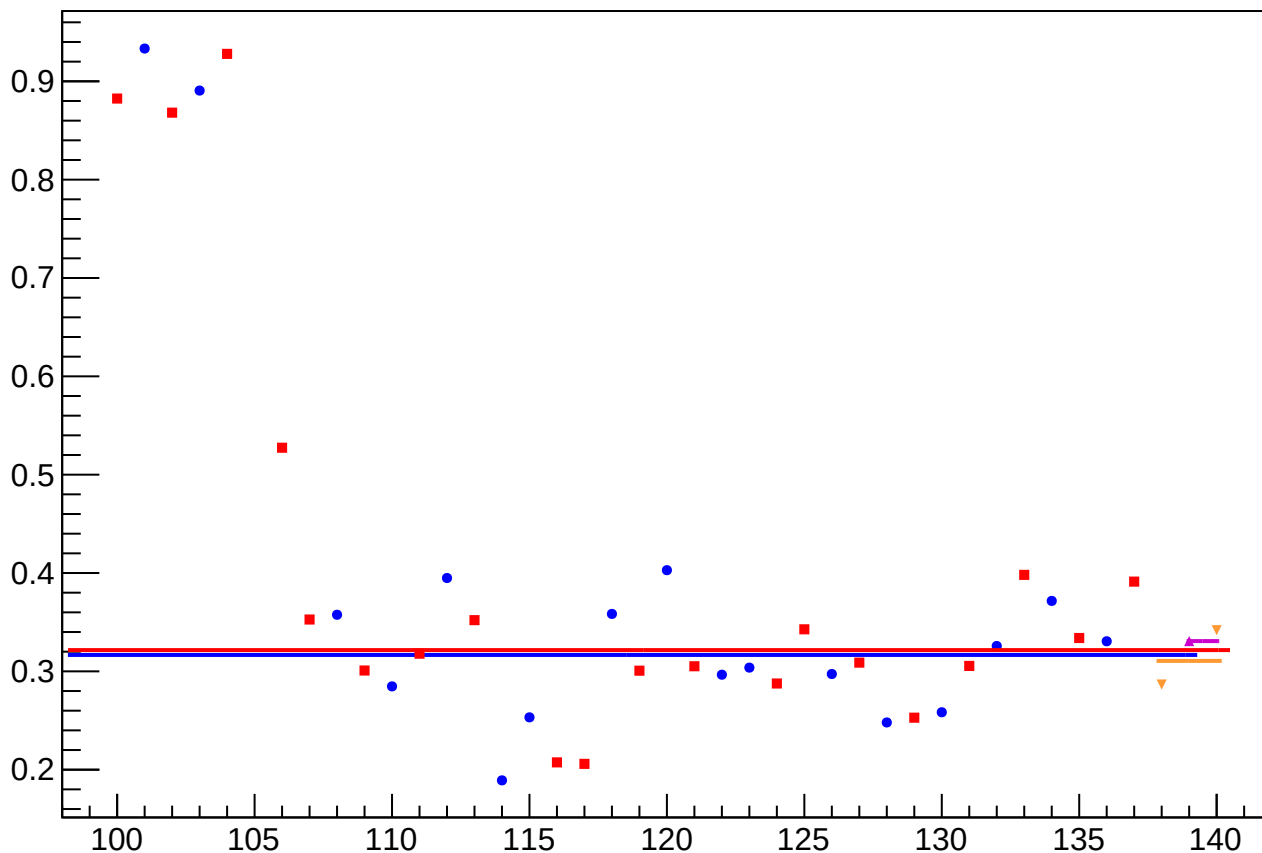
Left In: 148.802 $\pm$ 0.000 χ^2/NDF : 0.0/0

145.000 $\pm$ 0.000 χ^2/NDF : 4064252464.4/18

144.937 $\pm$ 0.000 χ^2/NDF : 8994415736.1/1

144.867 $\pm$ 0.000 χ^2/NDF : 4929570168.2/20

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.311 $\pm$ 0.000 χ^2 /NDF: 22984.6/1

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1244671.1/19

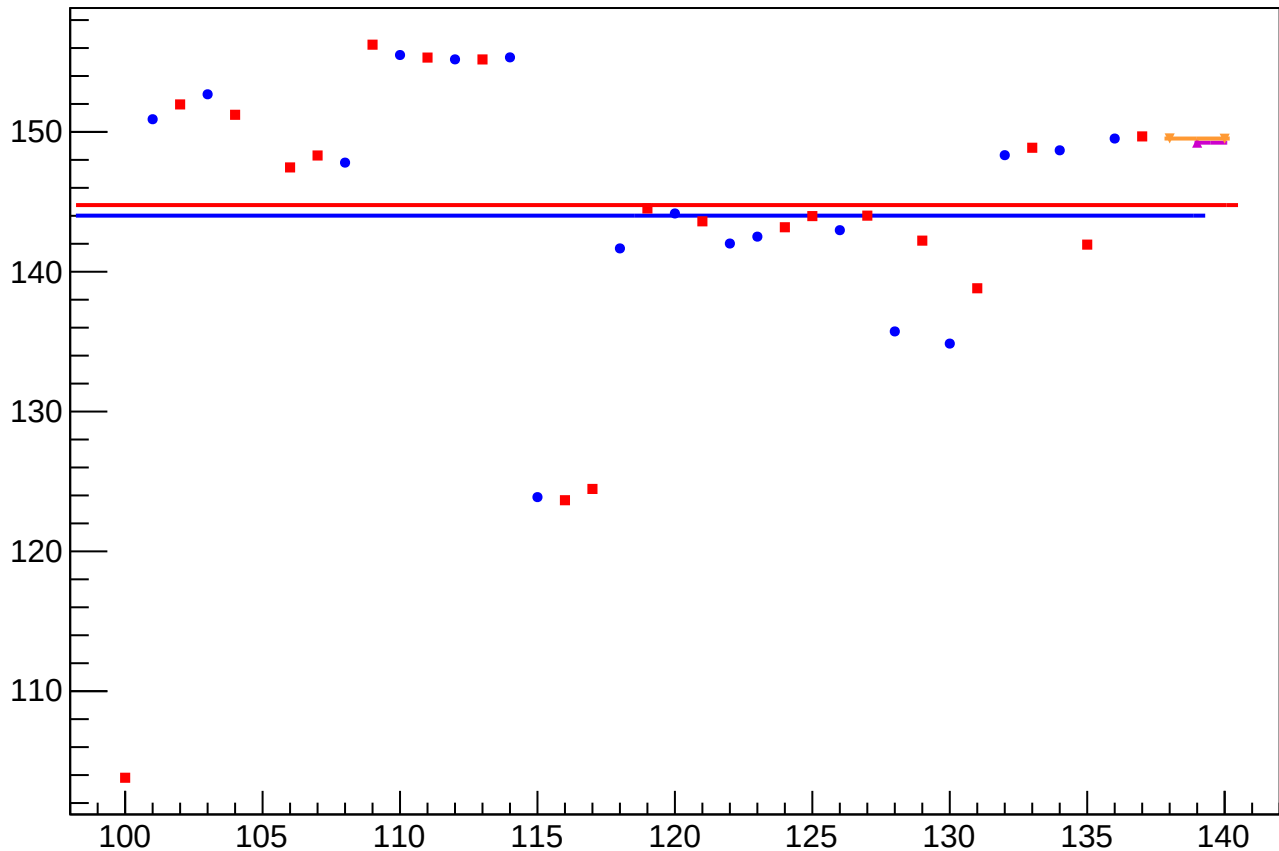
Left In: 0.331 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.315 $\pm$ 0.000 χ^2 /NDF: 1304227.9/18

0.319 $\pm$ 0.000 χ^2 /NDF: 2553292.1/39

0.323 $\pm$ 0.000 χ^2 /NDF: 1245632.9/20

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 149.527 $\pm$ 0.000 χ^2 /NDF:1413.0/1

145.134 $\pm$ 0.000 χ^2 /NDF: 3559176452.4/18

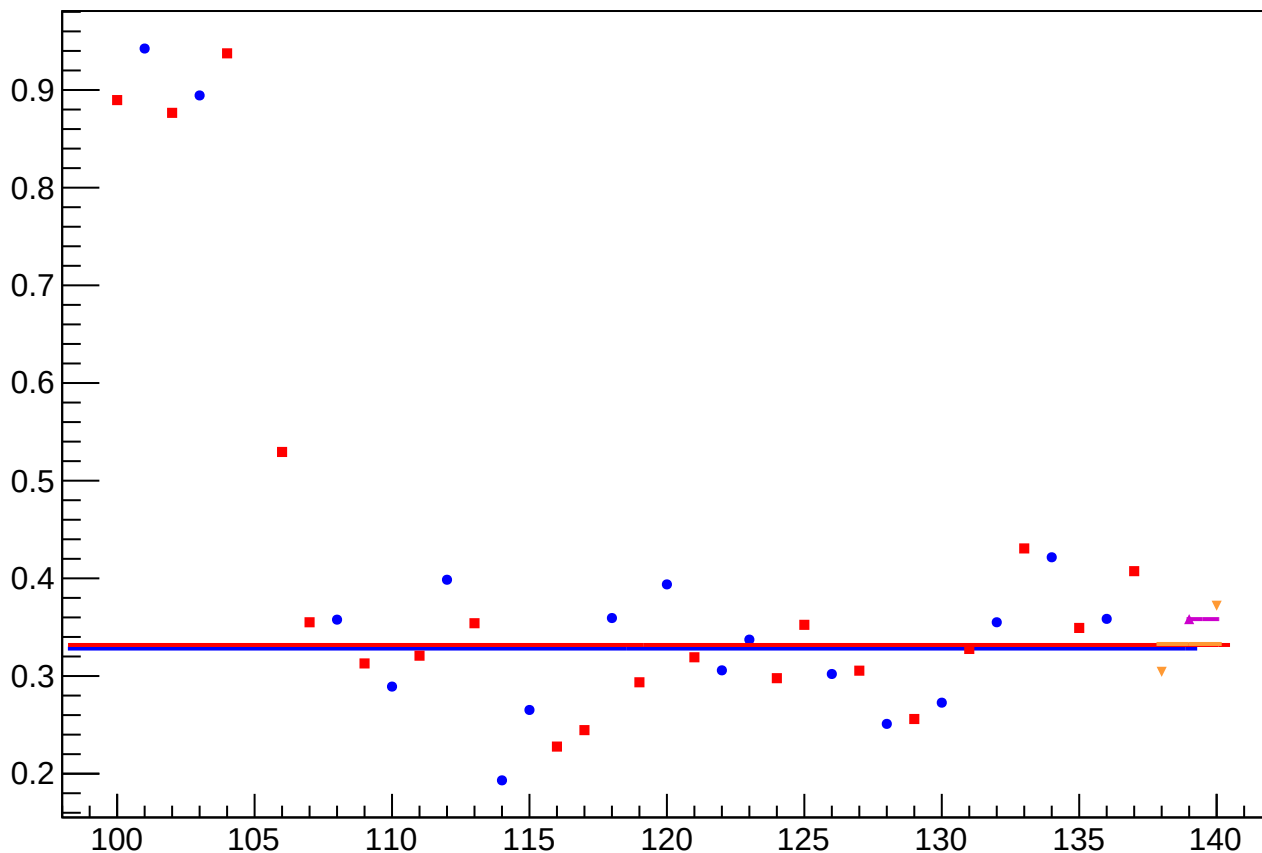
Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

145.155 $\pm$ 0.000 χ^2 /NDF: 7754439541.8/

145.177 $\pm$ 0.000 χ^2 /NDF: 4195205388.6/20

Left In: 149.232 $\pm$ 0.000 χ^2 /NDF:0.0/0

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 1265892.9/16

Left Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 29263.2/1

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 1194167.8/19

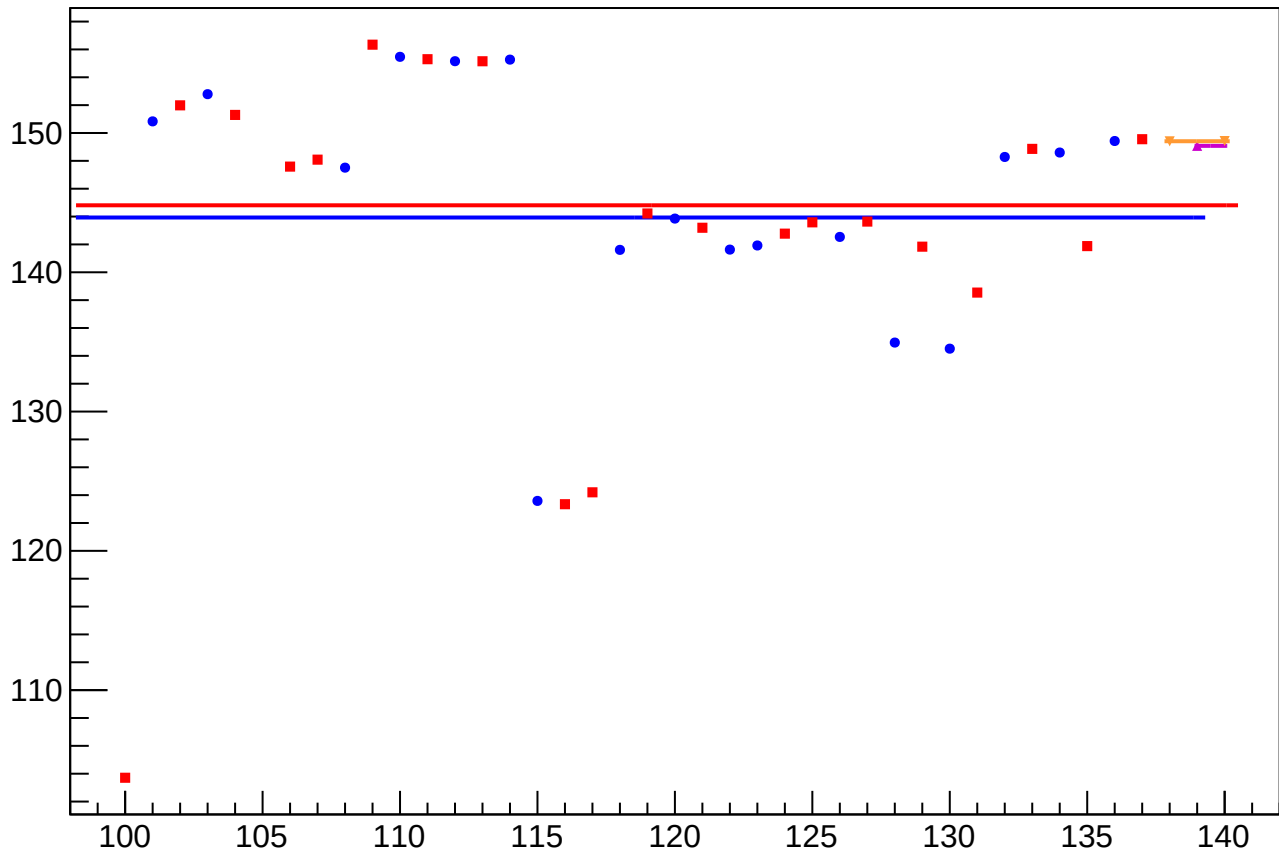
Left In: 0.358 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.329 $\pm$ 0.000 χ^2 /NDF: 1295616.8/18

0.332 $\pm$ 0.000 χ^2 /NDF: 2498284.1/39

0.334 $\pm$ 0.000 χ^2 /NDF: 1201043.2/20

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 149.409 $\pm$ 0.000 χ^2 /NDF:1259.1/1

Right Out: 144.809 $\pm$ 0.000 χ^2 /NDF: 4138041955.6/19

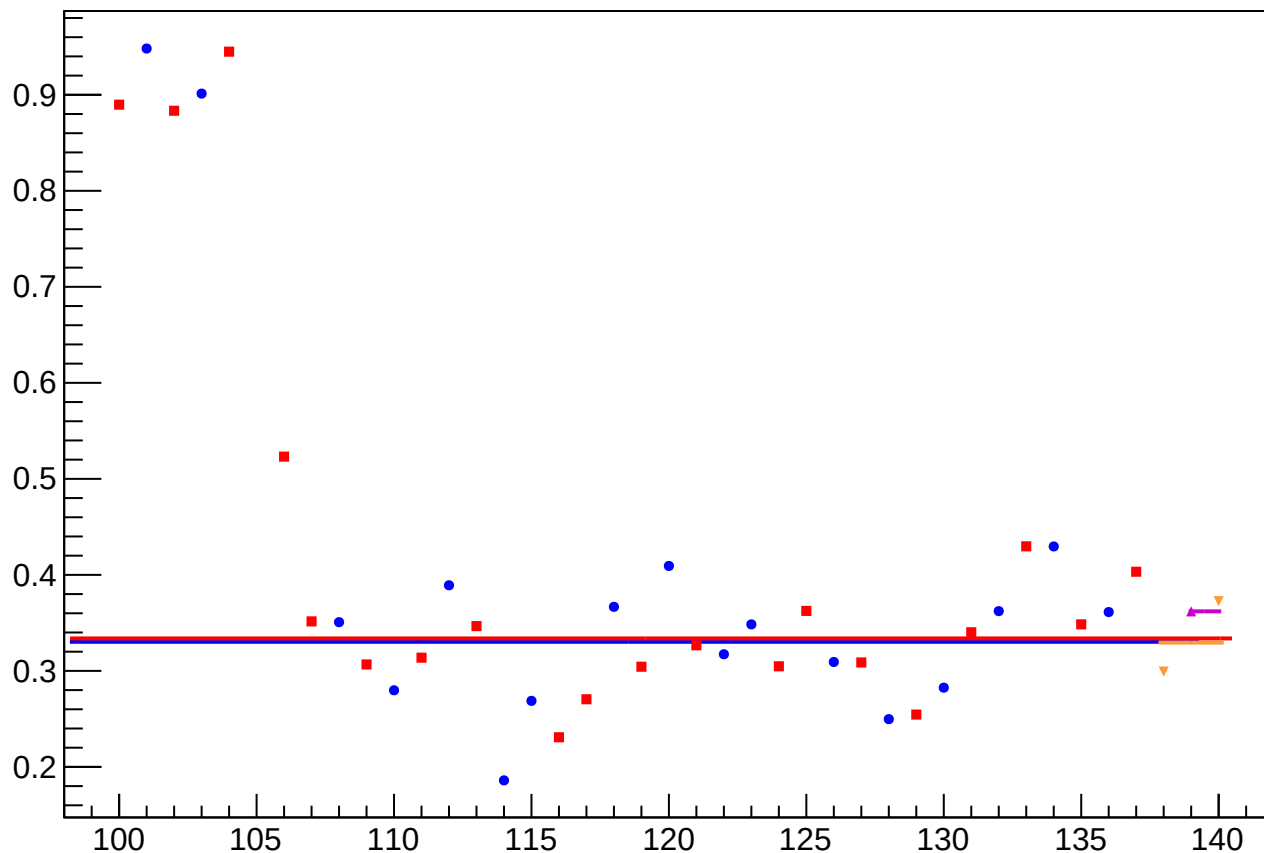
Left In: 149.077 $\pm$ 0.000 χ^2 /NDF:0.0/0

145.072 $\pm$ 0.000 χ^2 /NDF: 3697794934.5/18

145.131 $\pm$ 0.000 χ^2 /NDF: 7923360805.7/1

145.196 $\pm$ 0.000 χ^2 /NDF: 4225095976.6/20

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.329 $\pm$ 0.000 χ^2 /NDF: 34488.4/1

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1177889.1/19

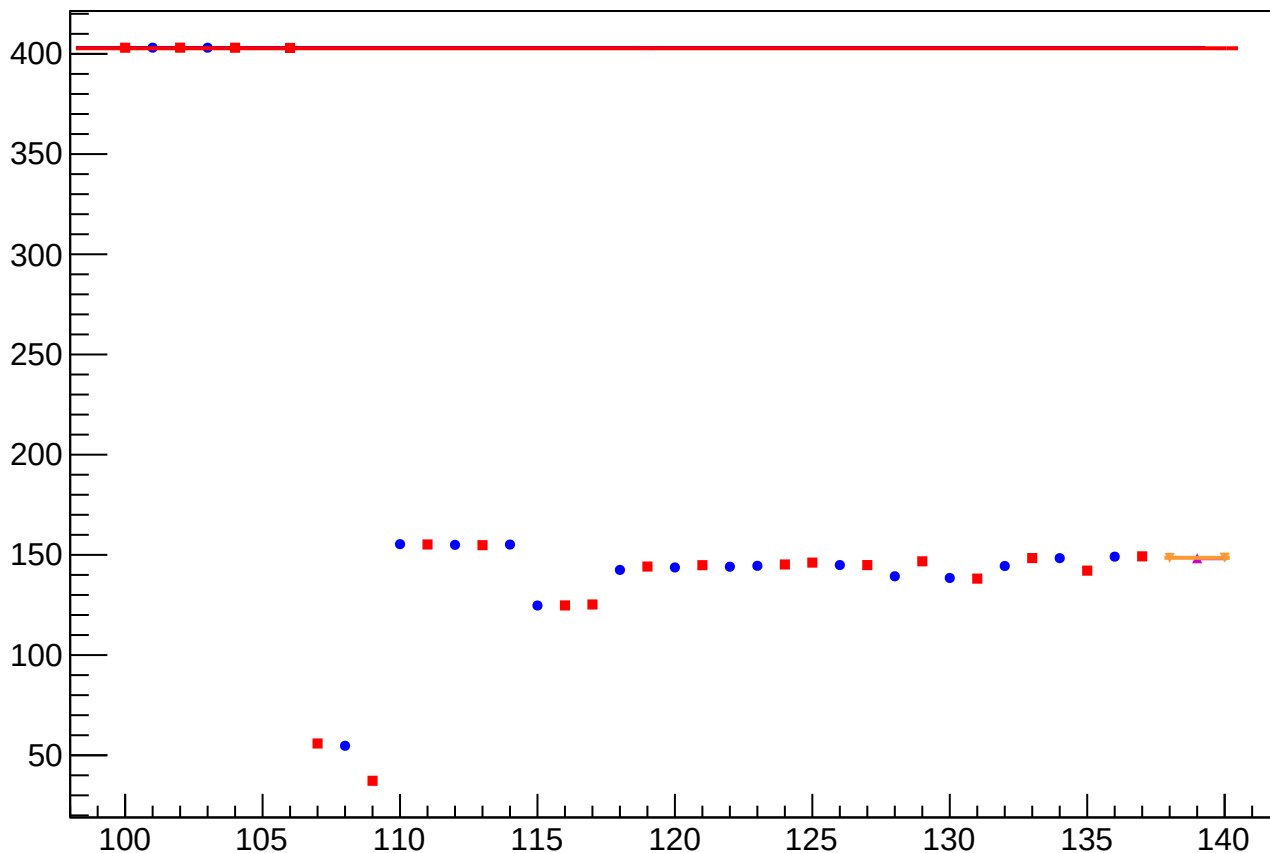
Left In: 0.362 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.330 $\pm$ 0.000 χ^2 /NDF: 1318459.5/18

0.333 $\pm$ 0.000 χ^2 /NDF: 2506297.5/39

0.336 $\pm$ 0.000 χ^2 /NDF: 1185484.0/20

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 148.528+/-0.001 χ^2/NDF : 15023.6/1

Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

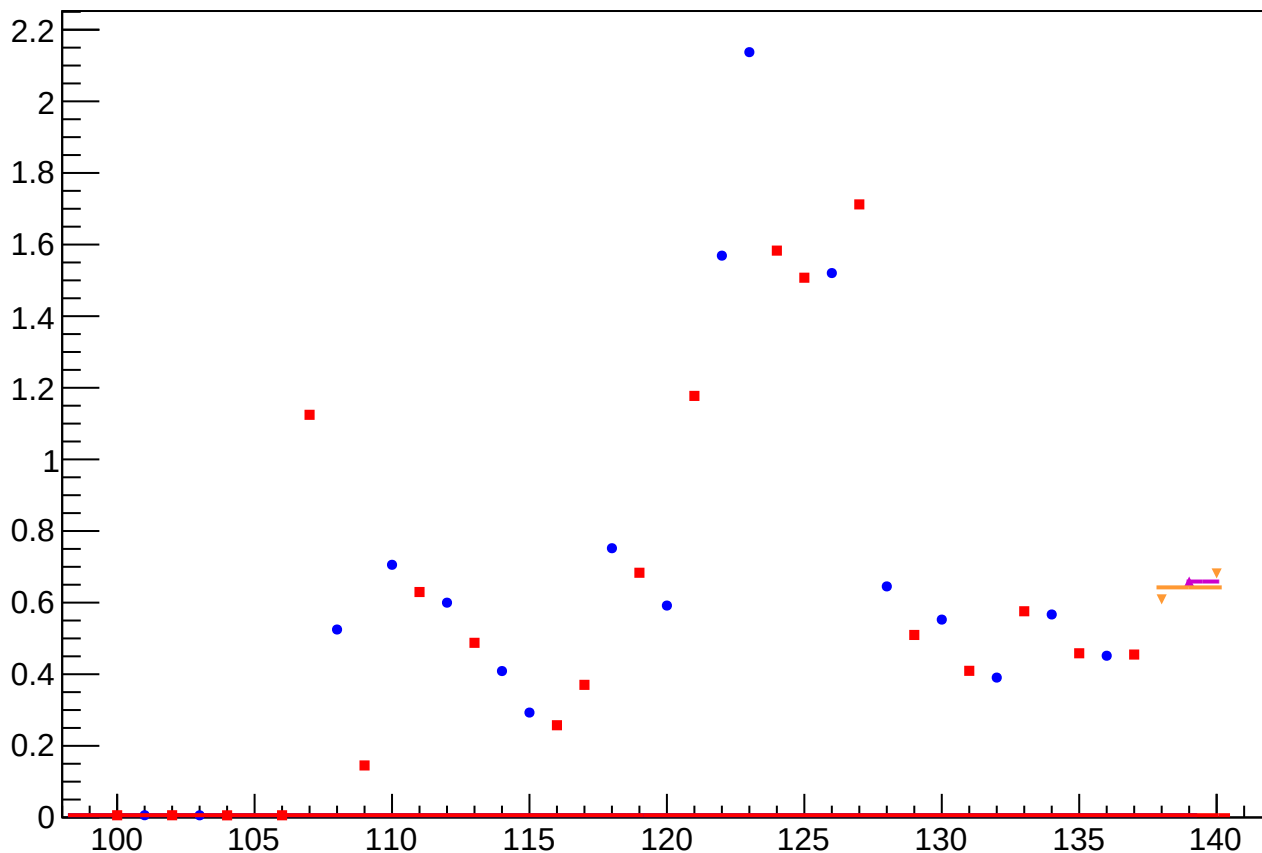
Left In: 148.328+/-0.001 χ^2/NDF : 0.0/0

402.933+/-0.000 χ^2/NDF : 1292489560692.4/18

402.855+/-0.000 χ^2/NDF : 450671146760

402.786+/-0.000 χ^2/NDF : 3213868861821.8/20

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.643+/-0.000 χ^2/NDF : 7988.0/1

Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

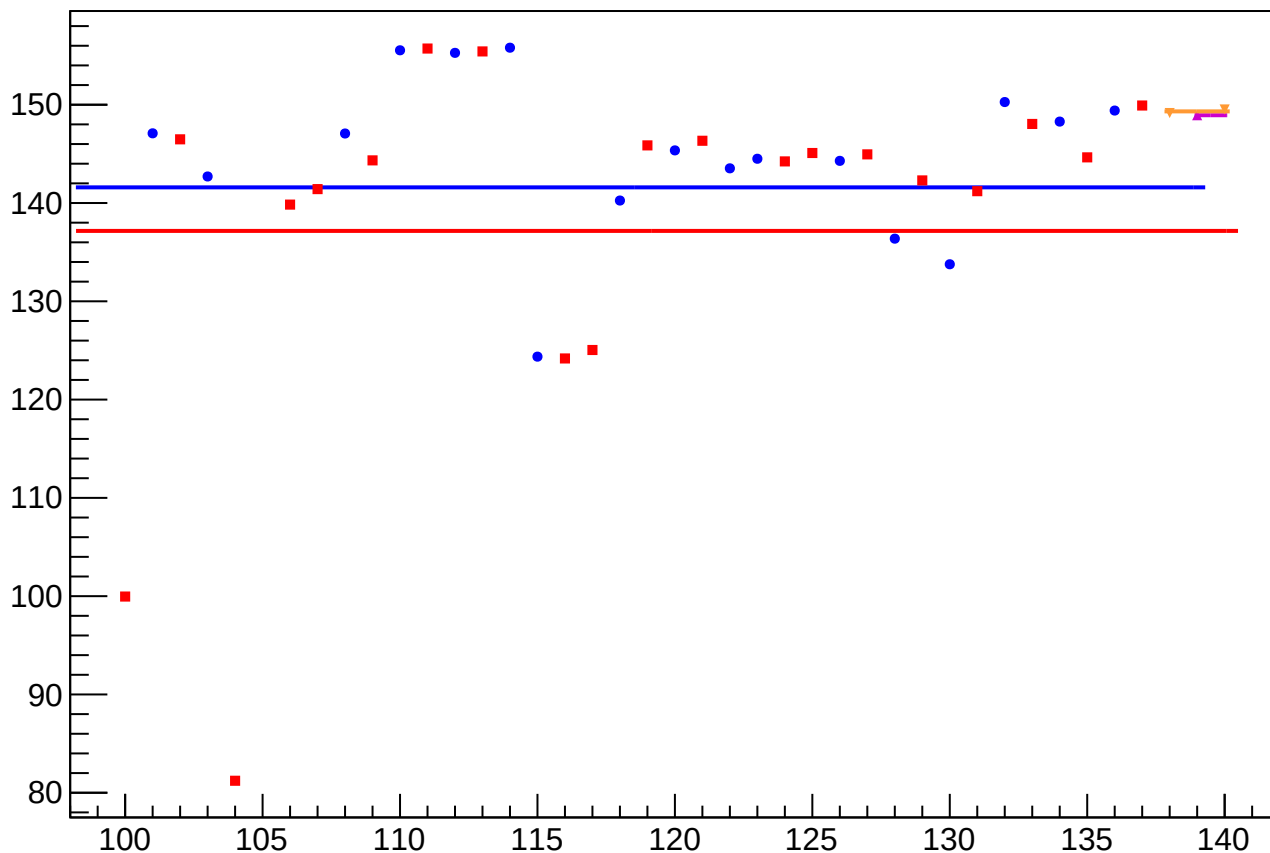
Left In: 0.659+/-0.001 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 11565034.5/18

0.006+/-0.000 χ^2/NDF : 22046161.1/39

0.006+/-0.000 χ^2/NDF : 10481063.4/20

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 ± 0.000 χ^2/NDF : 980101868.2/16

Left Out: 149.323 ± 0.001 χ^2/NDF : 86892.9/1

Right Out: 137.162 ± 0.000 χ^2/NDF : 1366089515.6/19

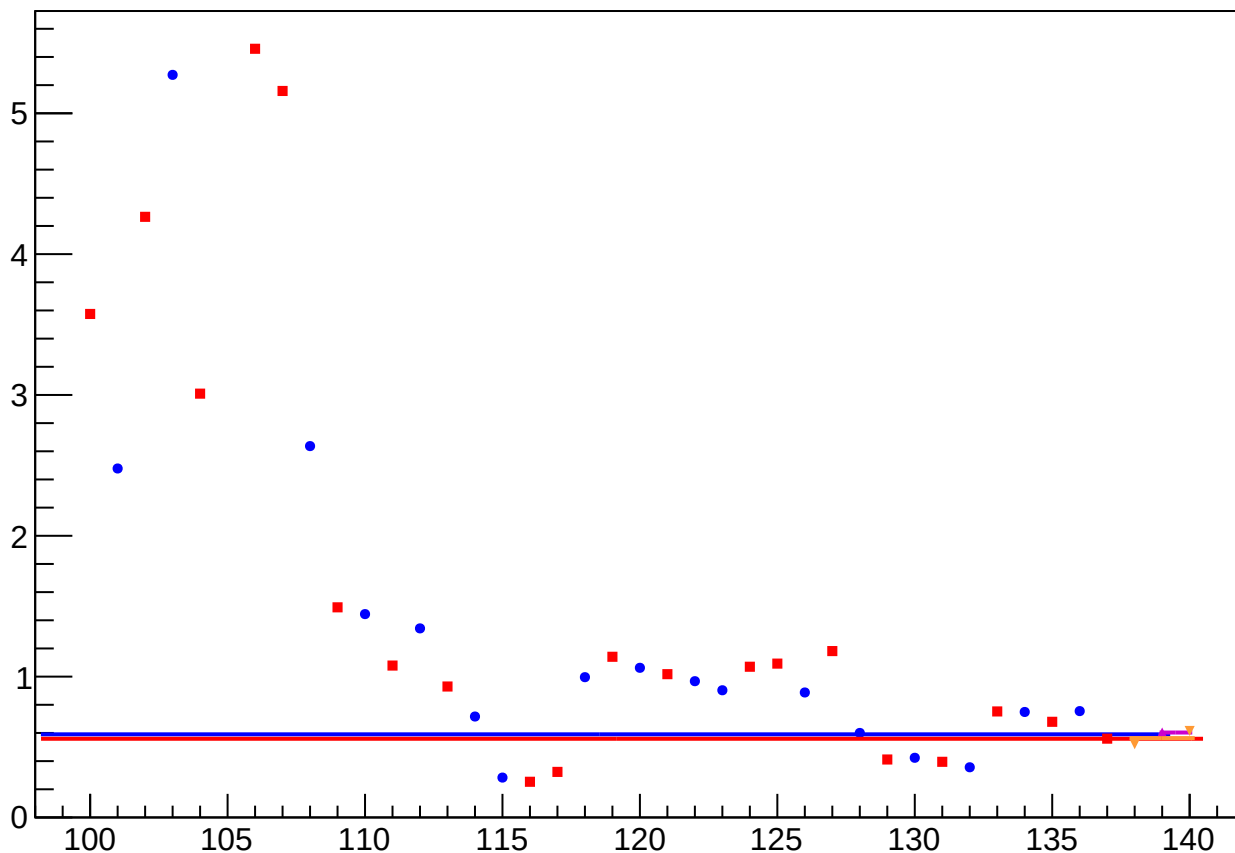
Left In: 148.931 ± 0.001 χ^2/NDF : 0.0/0

143.193 ± 0.000 χ^2/NDF : 1105064415.7/18

140.808 ± 0.000 χ^2/NDF : 2766942944.8/1

138.306 ± 0.000 χ^2/NDF : 1513484146.0/20

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.563+/-0.000 χ^2/NDF : 11610.1/1

Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

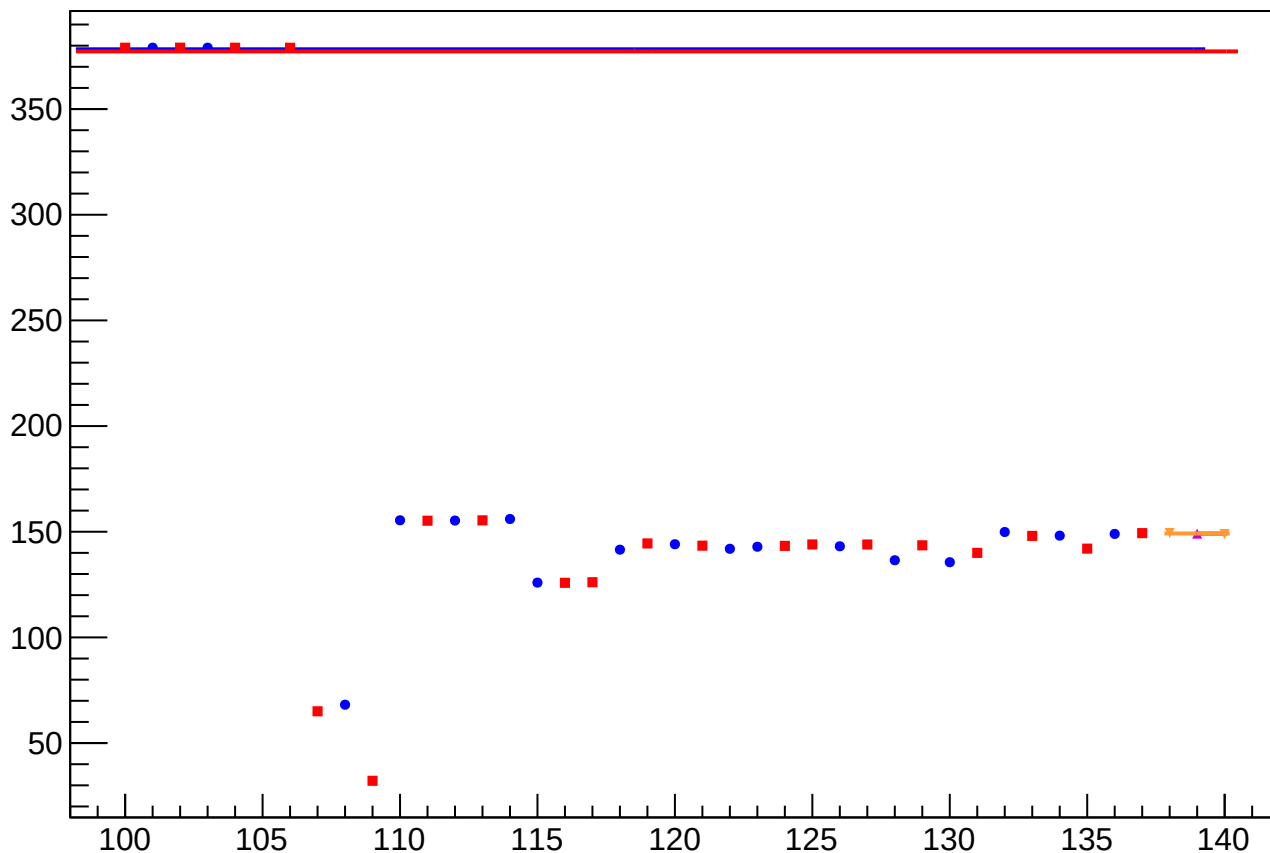
Left In: 0.603+/-0.001 χ^2/NDF : 0.0/0

0.585+/-0.000 χ^2/NDF : 3506663.5/18

0.574+/-0.000 χ^2/NDF : 8237929.4/39

0.563+/-0.000 χ^2/NDF : 4725471.2/20

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 149.163+/-0.000 χ^2/NDF : 726396.0/1

Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

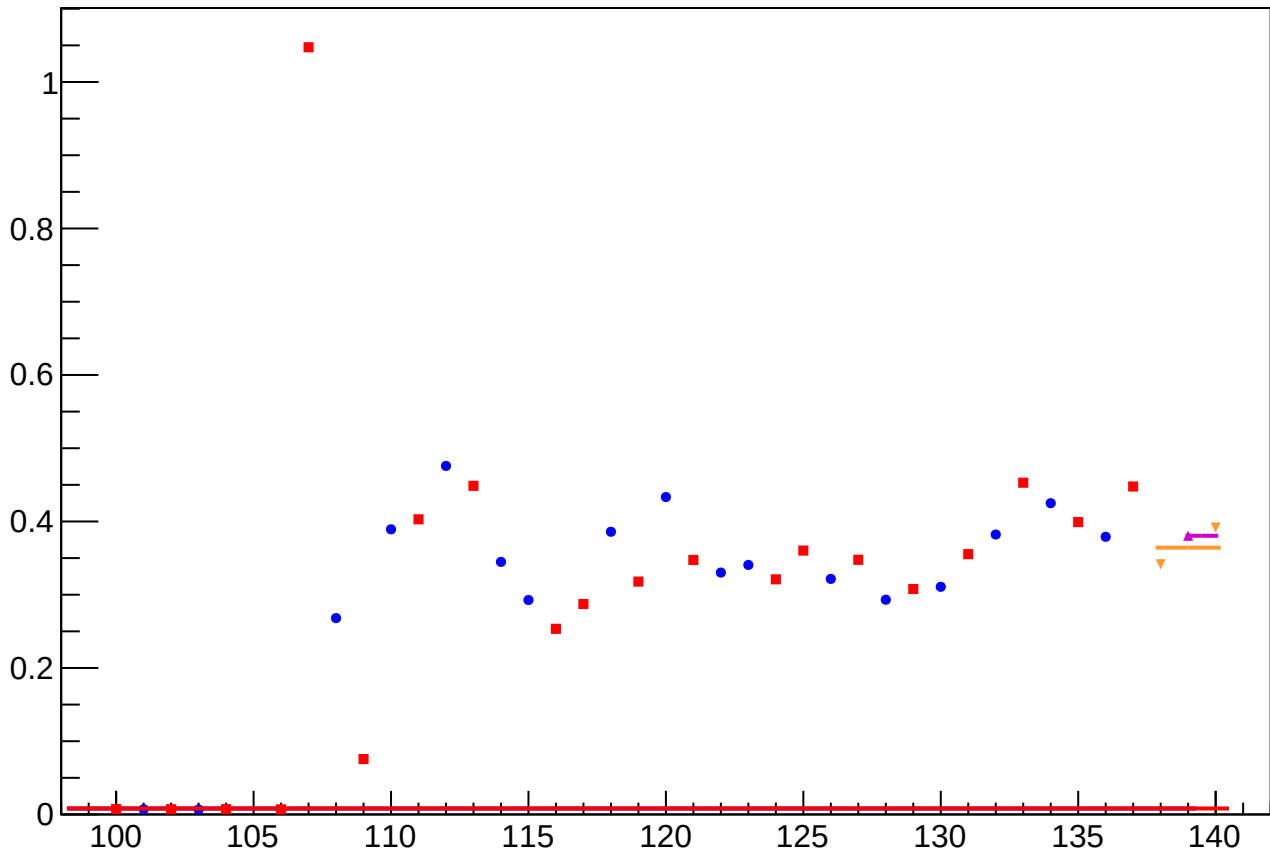
Left In: 149.126+/-0.000 χ^2/NDF : 0.0/0

378.089+/-0.000 χ^2/NDF : 3100180464865.0/18

377.619+/-0.000 χ^2/NDF : 116708033712

377.207+/-0.000 χ^2/NDF : 8565109362296.5/20

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.364+/-0.000 χ^2/NDF : 14100.8/1

Right Out: 0.008+/-0.000 χ^2/NDF : 9589375.6/19

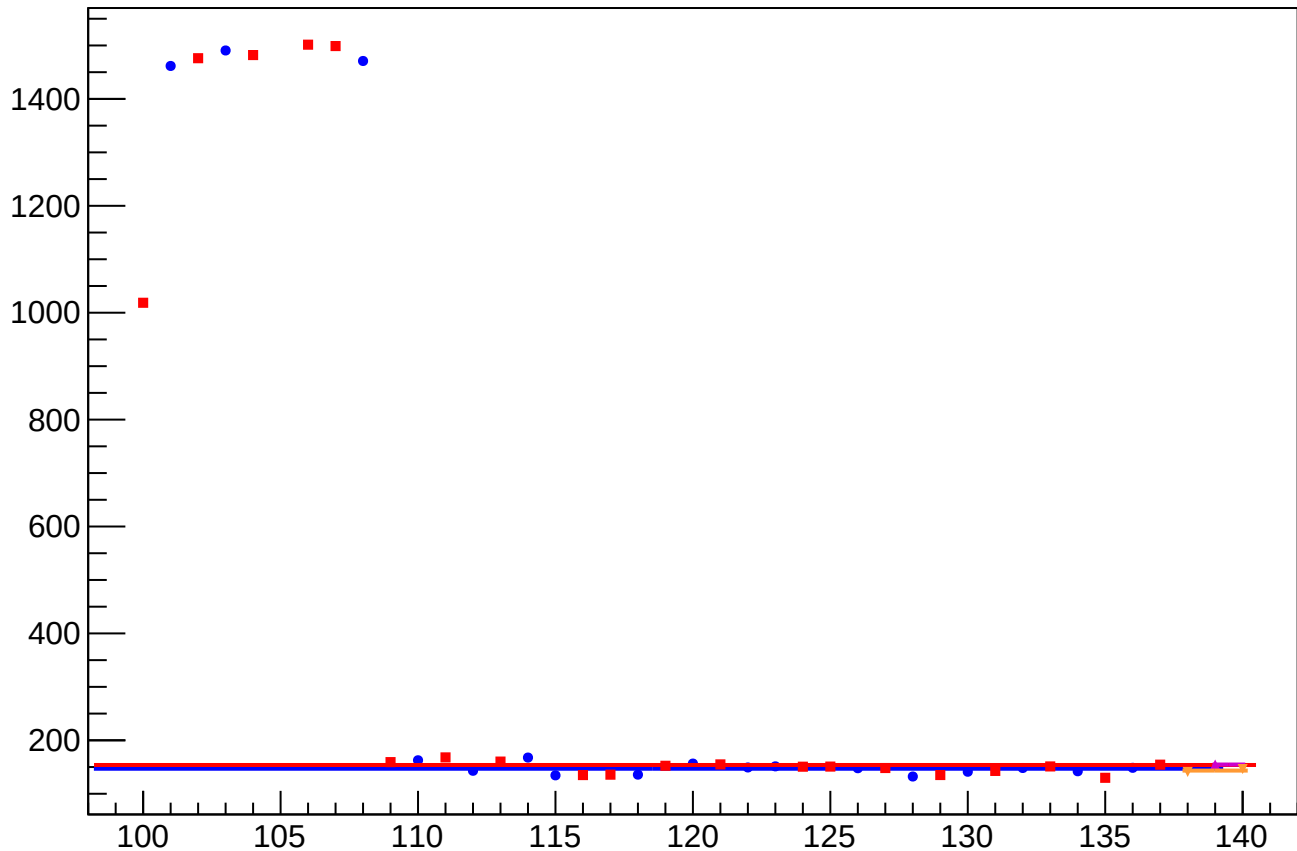
Left In: 0.381+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 12681078.9/18

0.008+/-0.000 χ^2/NDF : 23612502.6/39

0.008+/-0.000 χ^2/NDF : 10931104.4/20

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 143.361+/-0.001 χ^2/NDF : 10654483.2/1

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

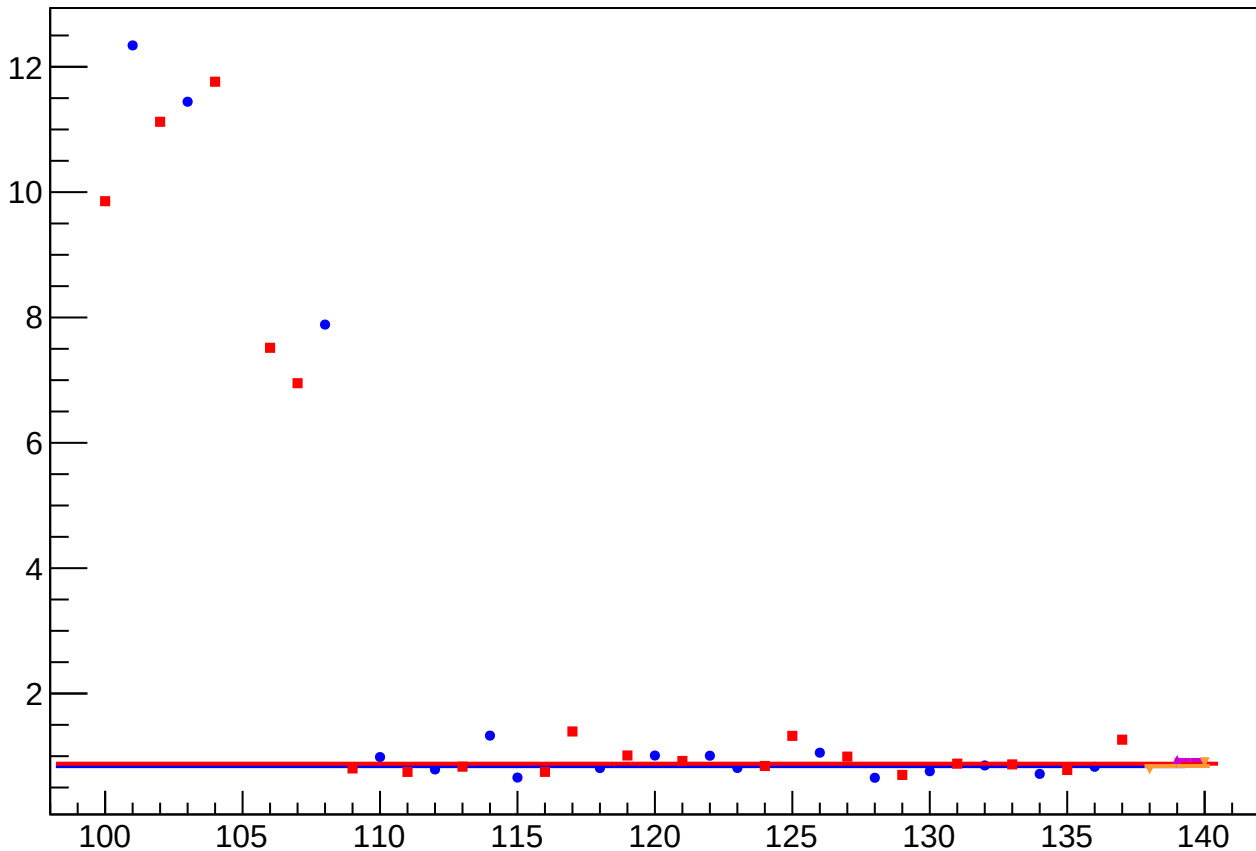
Left In: 154.682+/-0.001 χ^2/NDF : 0.0/0

146.083+/-0.000 χ^2/NDF : 24384992440.6/18

149.726+/-0.000 χ^2/NDF : 58322644818.8

153.915+/-0.000 χ^2/NDF : 33744611647.0/20

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.843+/-0.001 χ^2/NDF : 9345.5/1

Right Out: 0.880+/-0.000 χ^2/NDF : 2825356.7/19

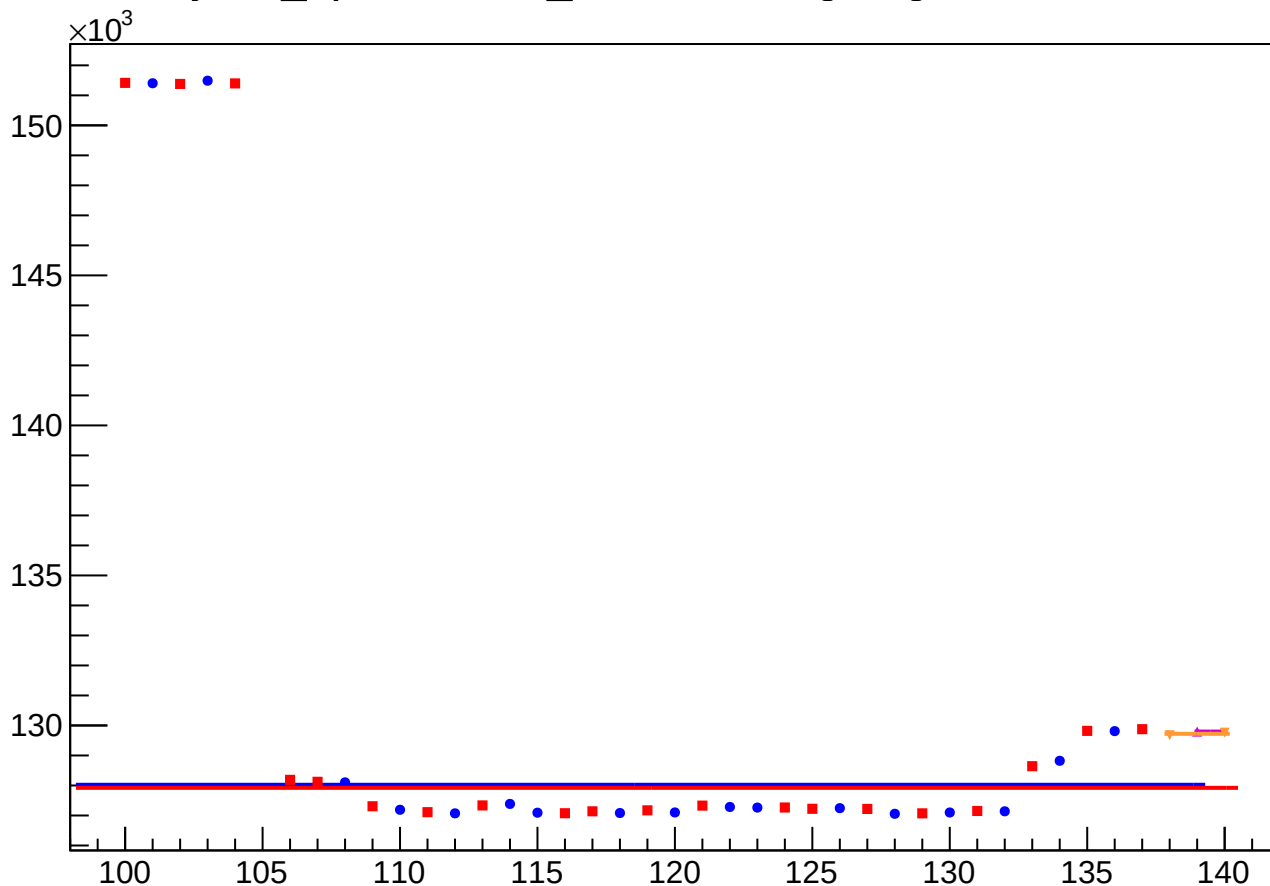
Left In: 0.940+/-0.001 χ^2/NDF : 0.0/0

0.842+/-0.000 χ^2/NDF : 2671747.9/18

0.862+/-0.000 χ^2/NDF : 5513263.3/39

0.886+/-0.000 χ^2/NDF : 2829038.6/20

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129722.128 $\pm$ 0.138 χ^2 /NDF: 90729.1/1

Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

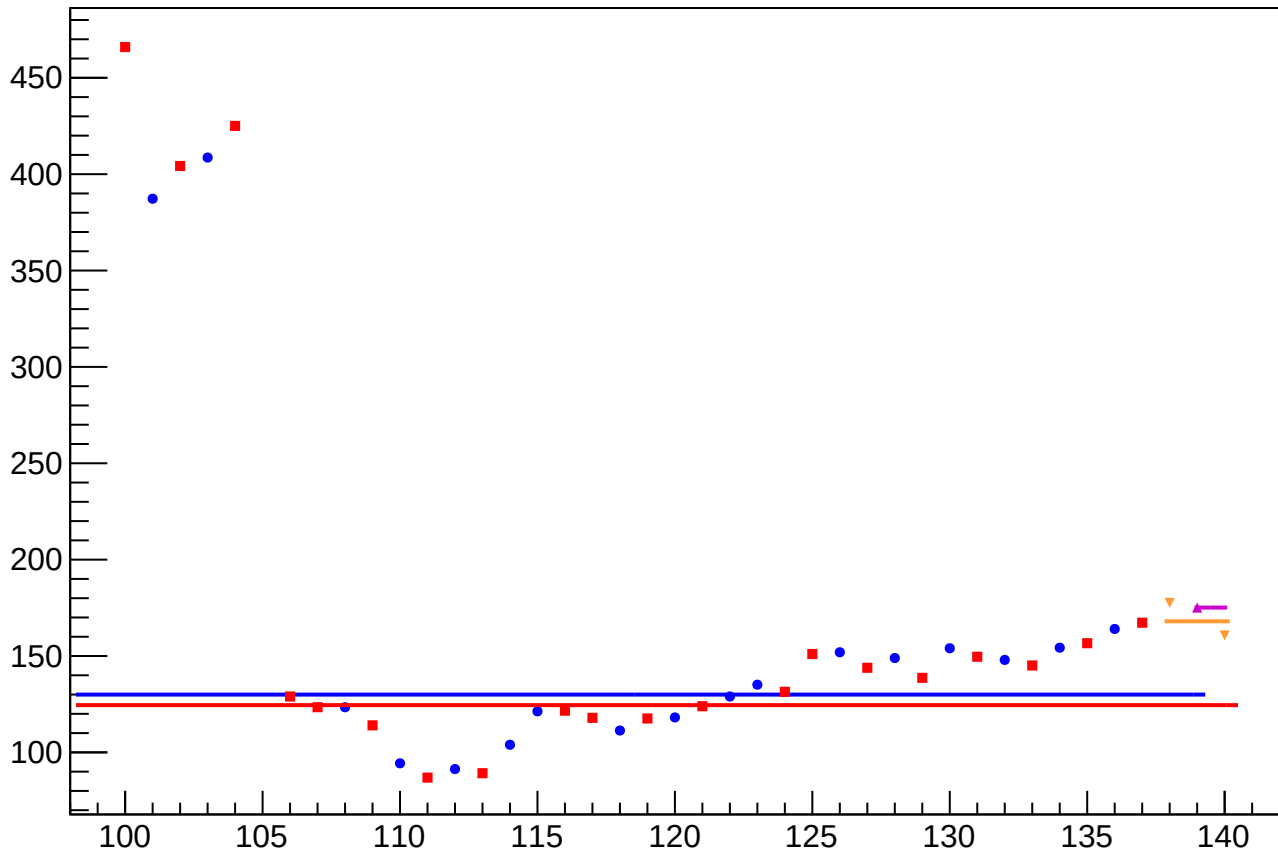
Left In: 129796.969 $\pm$ 0.207 χ^2 /NDF: 0.0/0

128252.743 $\pm$ 0.051 χ^2 /NDF: 4447528710.0/18

128134.756 $\pm$ 0.035 χ^2 /NDF: 830471603

128025.742 $\pm$ 0.049 χ^2 /NDF: 3846778292.2/20

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980+/-0.039 χ^2/NDF : 1485519.5/16

Left Out: 168.009+/-0.098 χ^2/NDF : 7364.9/1

Right Out: 124.514+/-0.035 χ^2/NDF : 1531546.7/19

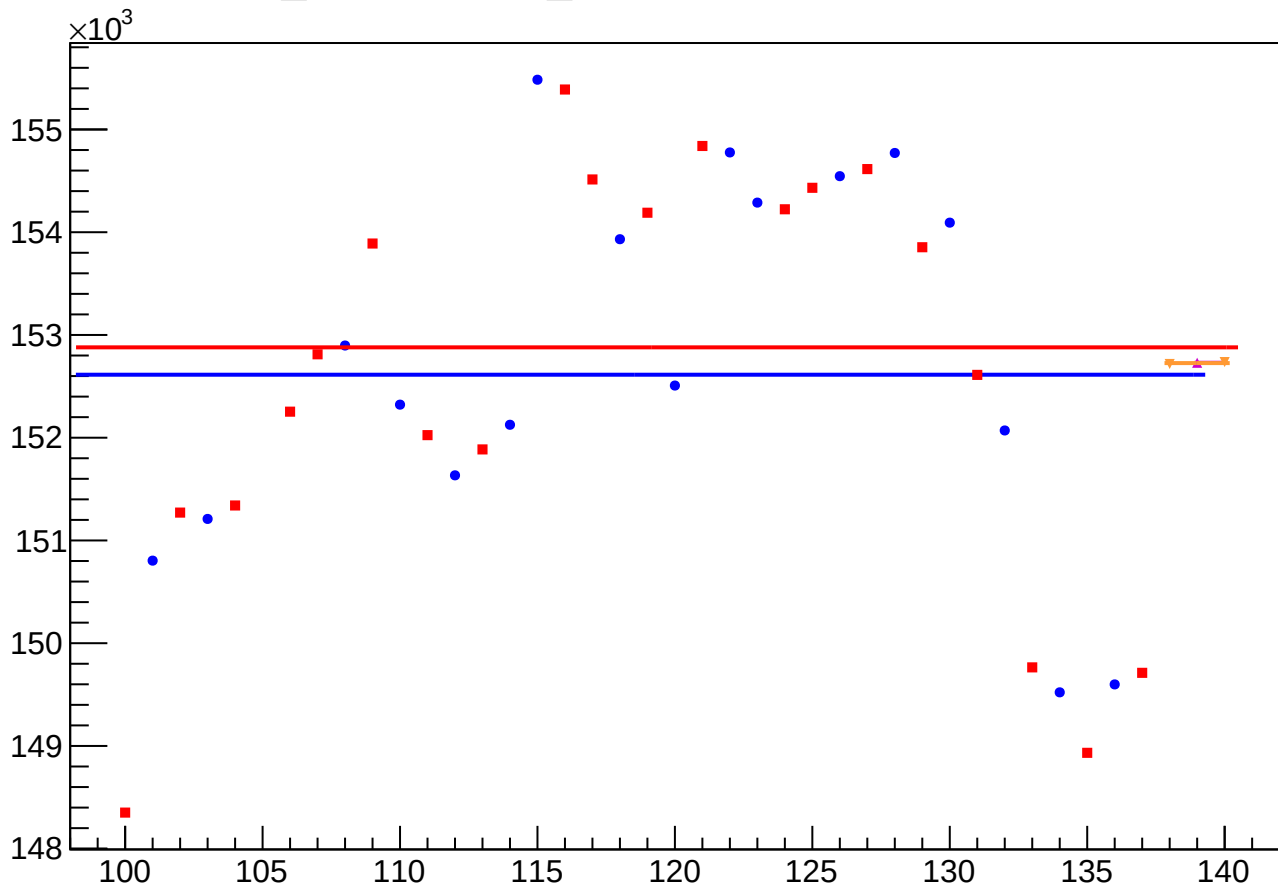
Left In: 175.141+/-0.146 χ^2/NDF : 0.0/0

135.111+/-0.036 χ^2/NDF : 1624111.2/18

131.069+/-0.025 χ^2/NDF : 3293479.0/39

127.333+/-0.034 χ^2/NDF : 1644924.9/20

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 152726.269 $\pm$ 0.145 χ^2 /NDF: 4057.9/1

Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

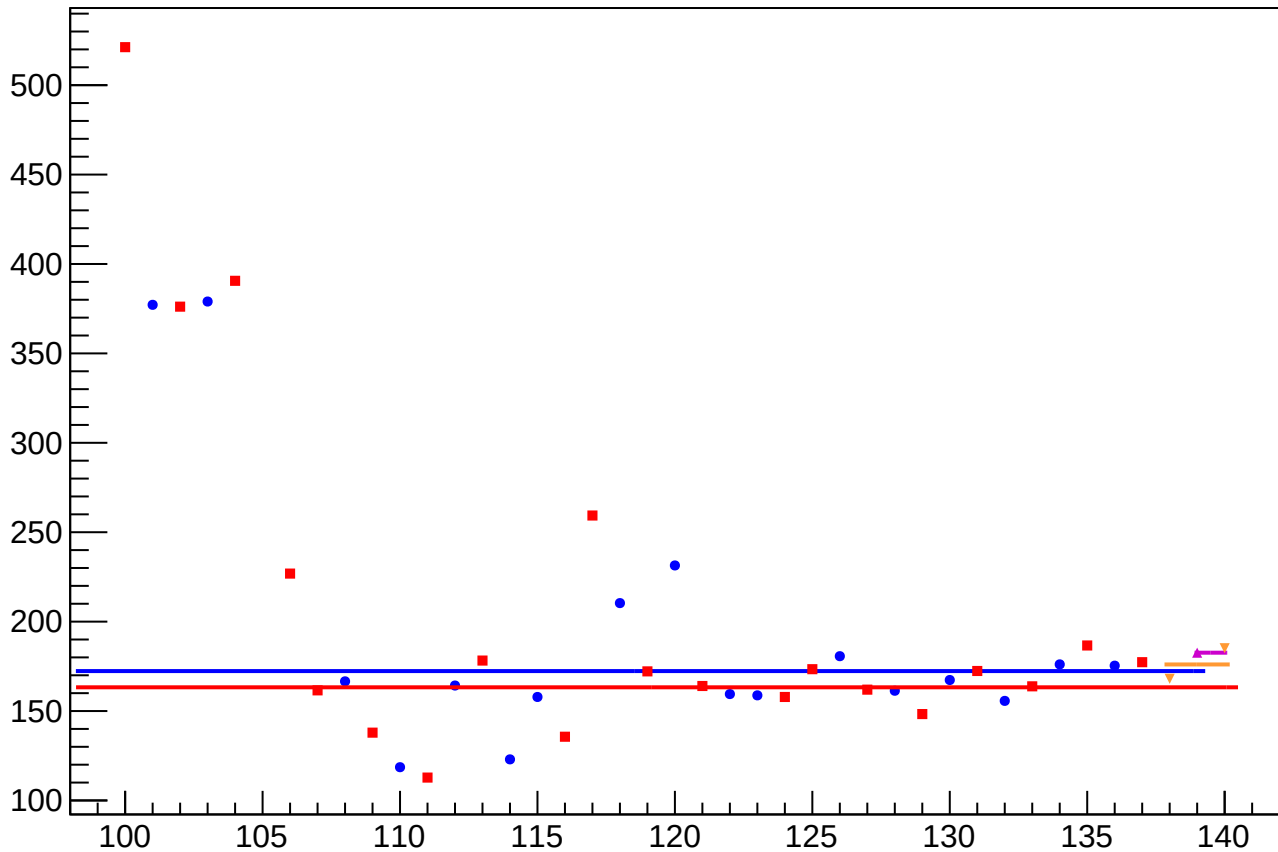
Left In: 152729.577 $\pm$ 0.216 χ^2 /NDF: 0.0/0

152635.529 $\pm$ 0.065 χ^2 /NDF: 623845630.5/18

152753.775 $\pm$ 0.045 χ^2 /NDF: 134871762

152866.571 $\pm$ 0.063 χ^2 /NDF: 718348978.3/20

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 176.055+/-0.103 χ^2/NDF : 6875.2/1

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

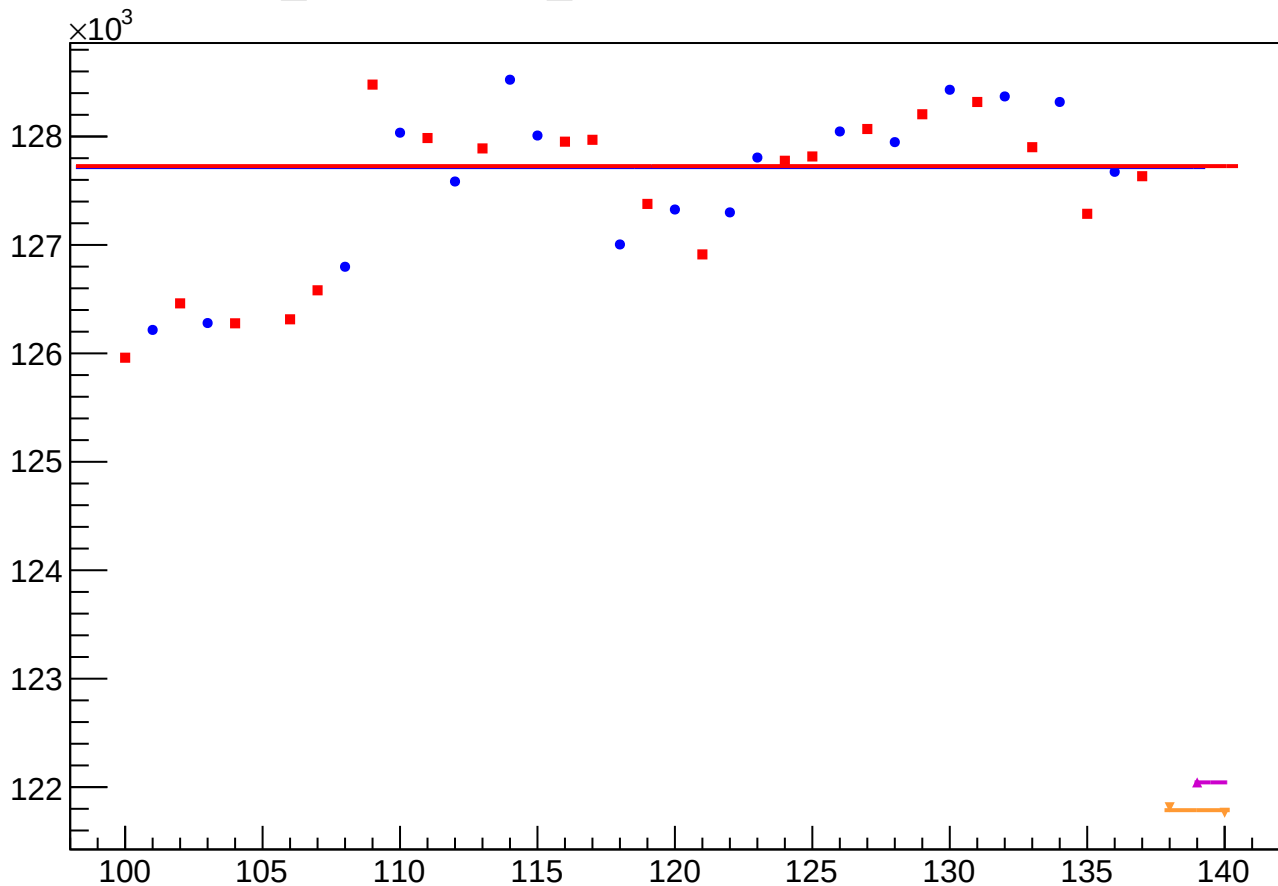
Left In: 182.632+/-0.152 χ^2/NDF : 0.0/0

173.085+/-0.046 χ^2/NDF : 929826.7/18

168.915+/-0.032 χ^2/NDF : 2004232.2/39

164.937+/-0.045 χ^2/NDF : 1058182.6/20

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 ± 0.058 $\chi^2/\text{NDF}: 95177660.2/16$

Left Out: 121787.403 ± 0.124 $\chi^2/\text{NDF}: 41894.9/1$

Right Out: 127726.969 ± 0.054 $\chi^2/\text{NDF}: 112752557.5/19$

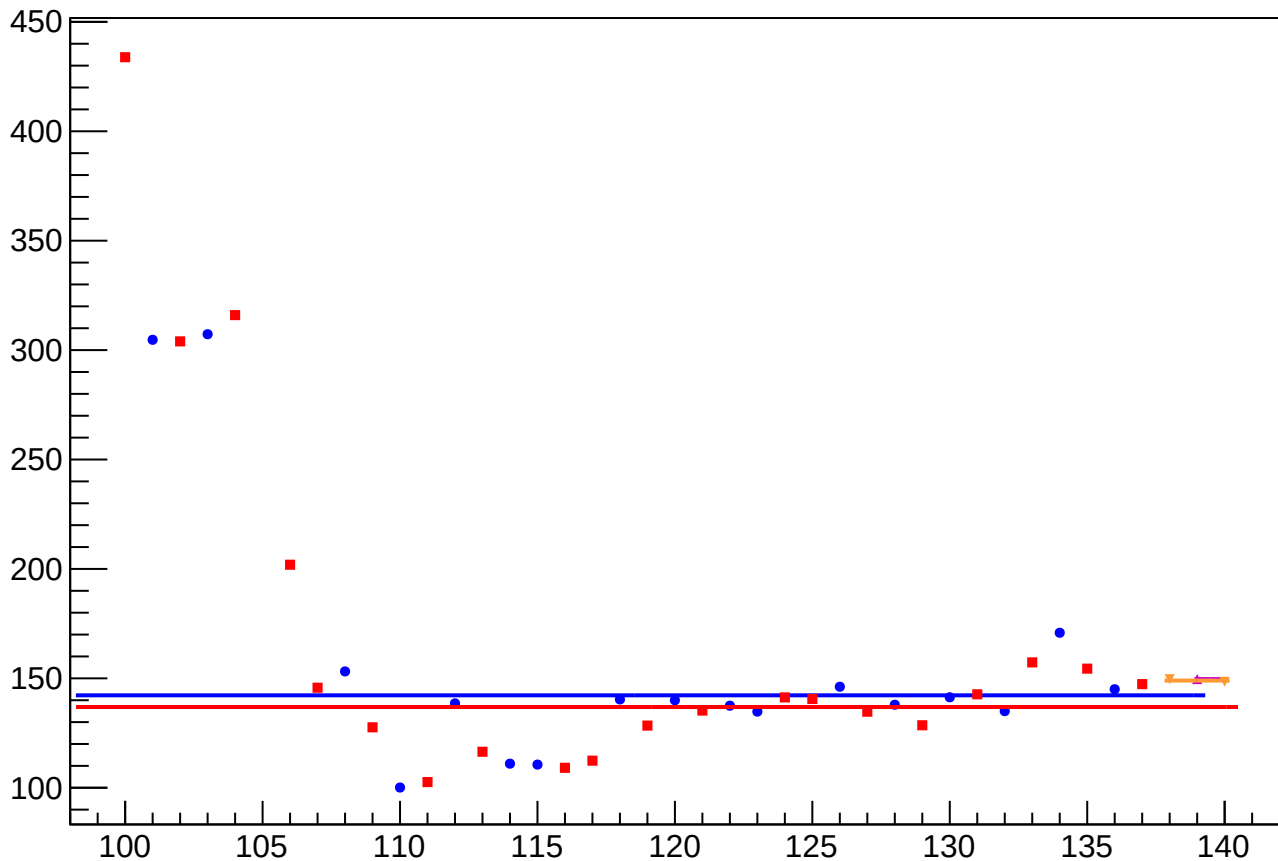
Left In: 122043.649 ± 0.177 $\chi^2/\text{NDF}: 0.0/0$

126640.614 ± 0.053 $\chi^2/\text{NDF}: 1975876293.5/18$

126944.843 ± 0.037 $\chi^2/\text{NDF}: 309599115$

127239.263 ± 0.052 $\chi^2/\text{NDF}: 1054602054.2/20$

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 148.978 $\pm$ 0.087 χ^2 /NDF: 46.1/1

Right Out: 136.904 $\pm$ 0.038 χ^2 /NDF: 961858.5/19

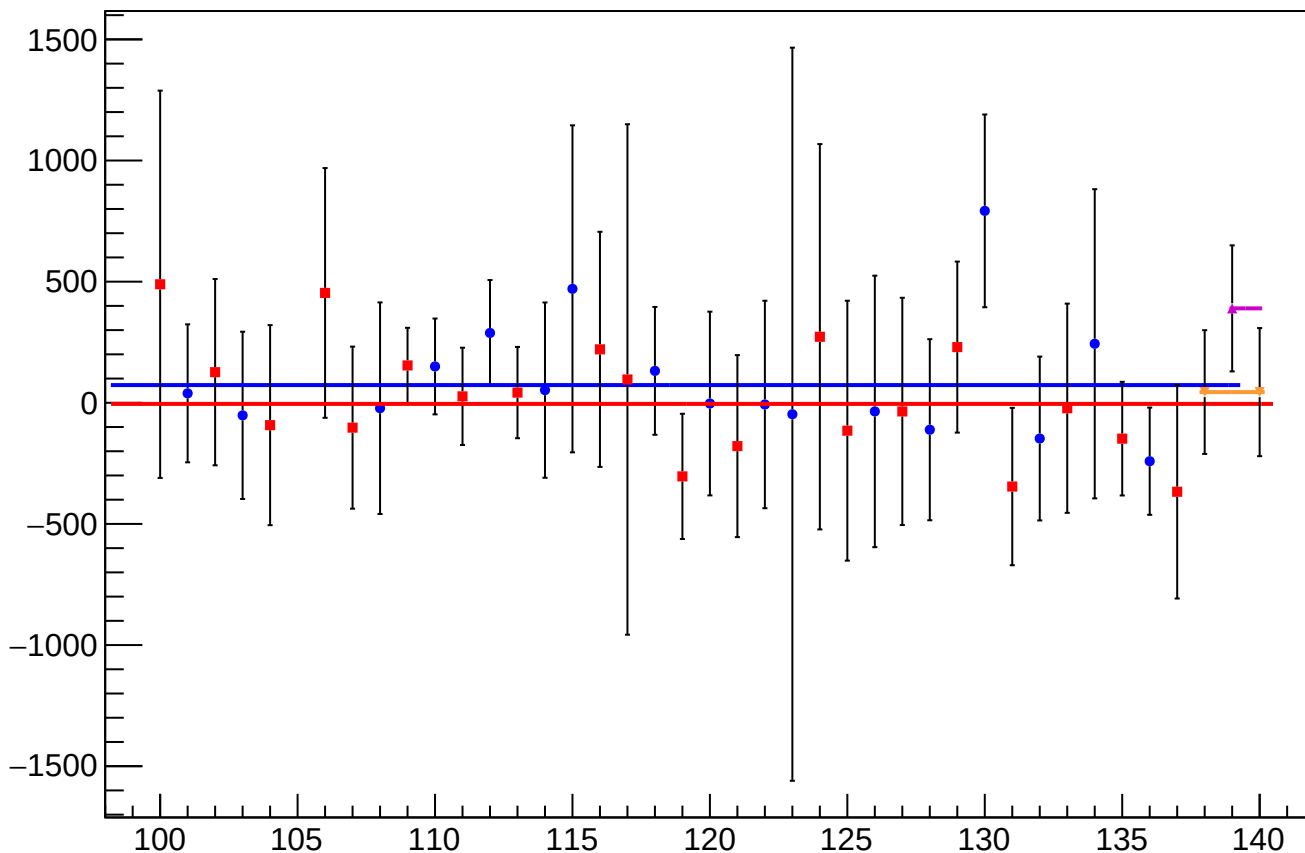
Left In: 149.671 $\pm$ 0.125 χ^2 /NDF: 0.0/0

143.464 $\pm$ 0.037 χ^2 /NDF: 841316.2/18

140.687 $\pm$ 0.026 χ^2 /NDF: 1823599.8/39

137.999 $\pm$ 0.037 χ^2 /NDF: 971364.4/20

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 44.200+/-183.677 χ^2/NDF : 0.0/1

Right Out: -4.574+/-69.944 χ^2/NDF : 7.1/19

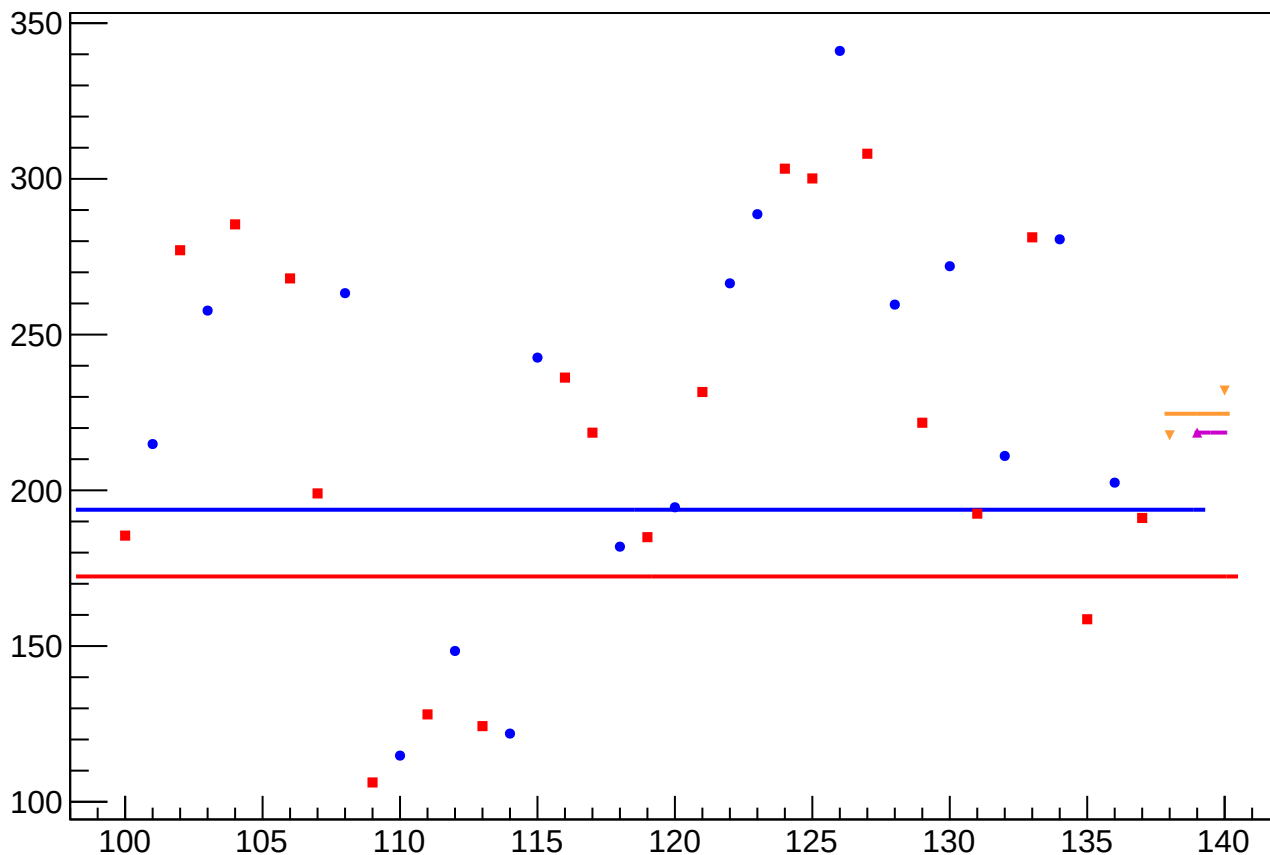
Left In: 389.747+/-260.199 χ^2/NDF : 0.0/0

68.538+/-73.039 χ^2/NDF : 7.9/18

43.453+/-49.591 χ^2/NDF : 17.3/39

21.999+/-67.546 χ^2/NDF : 9.2/20

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 224.592+/-0.130 χ^2/NDF : 3061.9/1

Right Out: 172.346+/-0.049 χ^2/NDF : 1583893.0/19

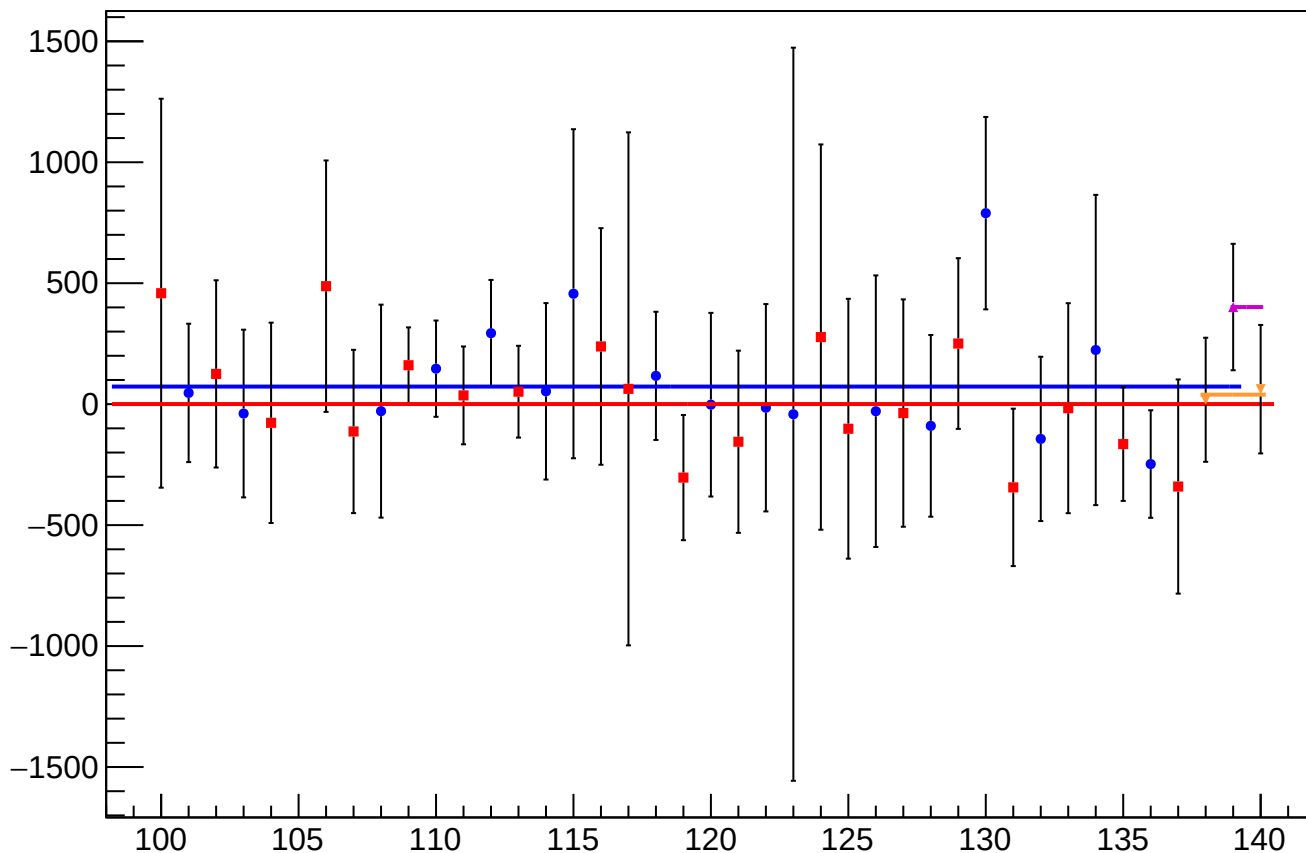
Left In: 218.542+/-0.184 χ^2/NDF : 0.0/0

198.646+/-0.052 χ^2/NDF : 1067548.3/18

186.148+/-0.035 χ^2/NDF : 2818873.8/39

175.459+/-0.048 χ^2/NDF : 1642685.4/20

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 39.253+/-184.490 χ^2/NDF : 0.0/1

Right Out: 0.459+/-70.312 χ^2/NDF : 7.3/19

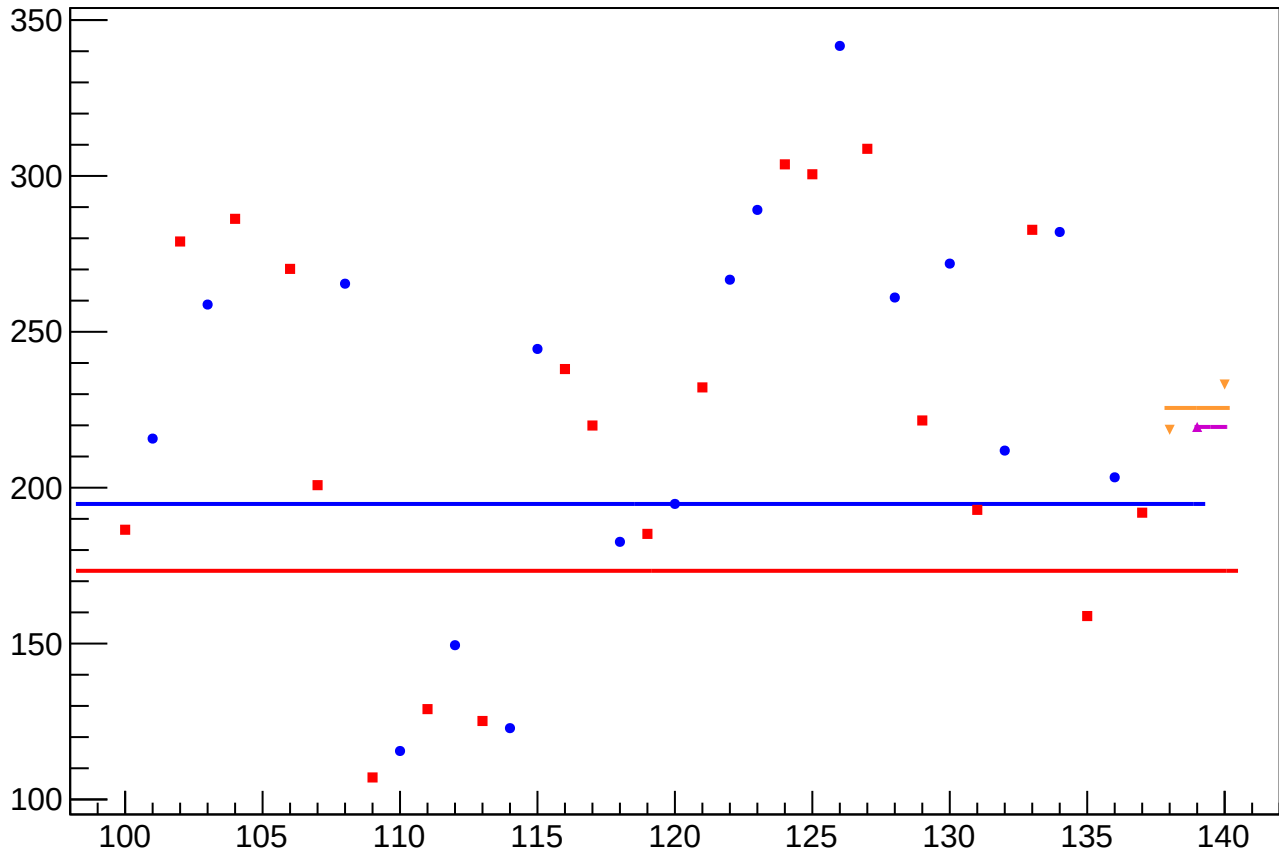
Left In: 401.473+/-261.327 χ^2/NDF : 0.0/0

67.386+/-73.390 χ^2/NDF : 7.8/18

45.910+/-49.839 χ^2/NDF : 17.4/39

27.529+/-67.897 χ^2/NDF : 9.5/20

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 225.581 $\pm$ 0.130 χ^2 /NDF:3094.2/1

Right Out: 173.337 $\pm$ 0.050 χ^2 /NDF: 1571436.7/19

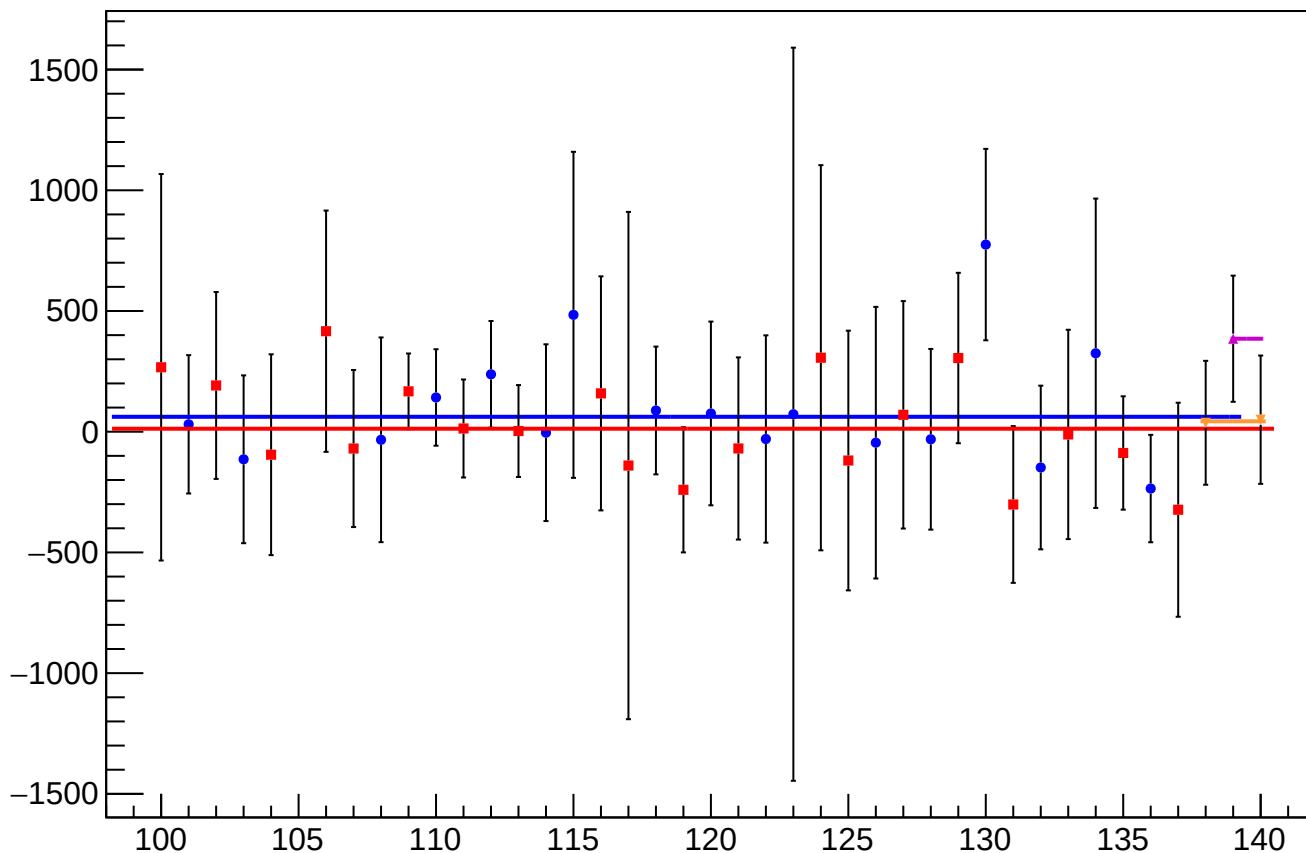
Left In: 219.487 $\pm$ 0.185 χ^2 /NDF:0.0/0

199.656 $\pm$ 0.052 χ^2 /NDF: 1058303.5/18

187.153 $\pm$ 0.035 χ^2 /NDF: 2795625.6/39

176.452 $\pm$ 0.048 χ^2 /NDF: 1629599.4/20

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 43.125 $\pm$ 184.599 χ^2 /NDF: 0.0/1

Right Out: 12.417 $\pm$ 70.233 χ^2 /NDF: 5.8/19

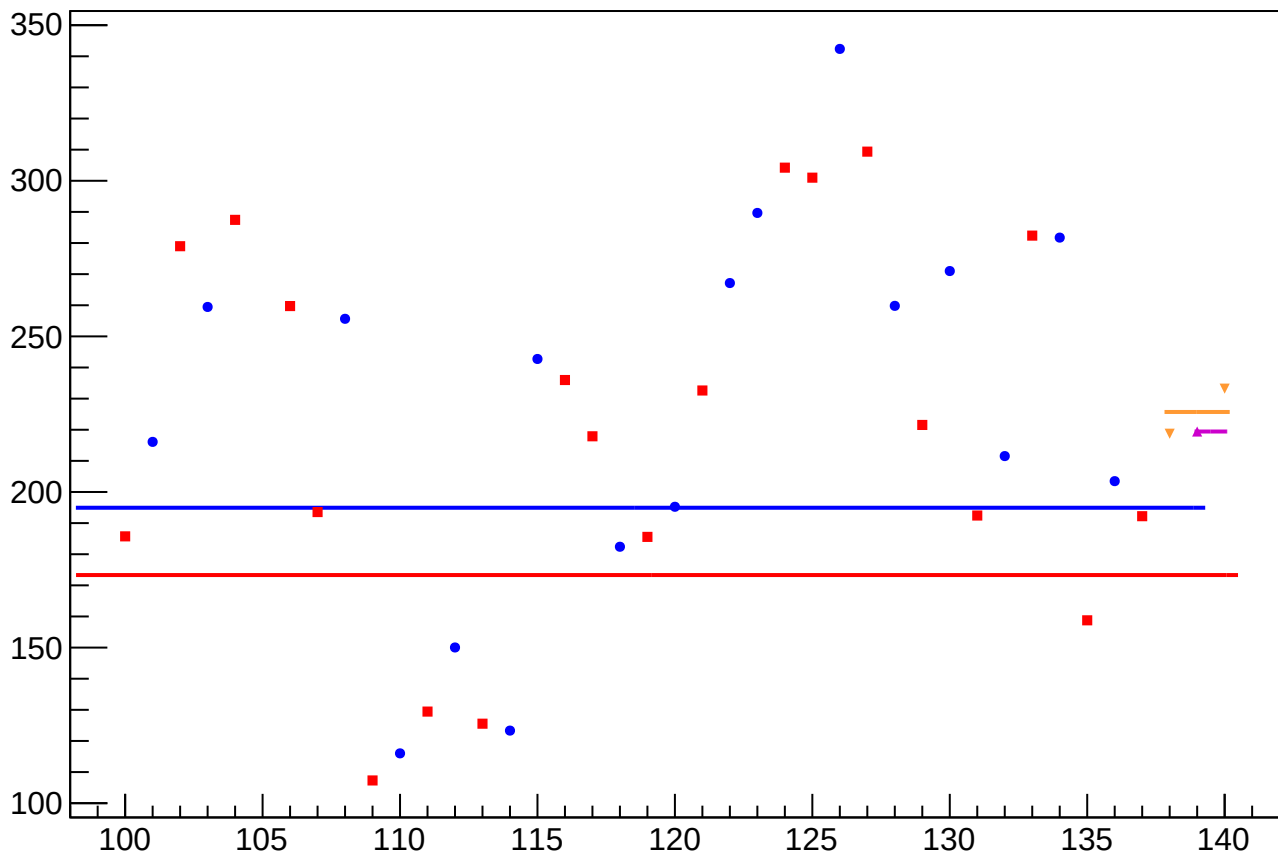
Left In: 385.167 $\pm$ 261.260 χ^2 /NDF: 0.0/0

58.860 $\pm$ 73.393 χ^2 /NDF: 7.3/18

47.360 $\pm$ 49.812 χ^2 /NDF: 15.0/39

37.538 $\pm$ 67.825 χ^2 /NDF: 7.7/20

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 225.713 $\pm$ 0.131 χ^2 /NDF:3073.3/1

Right Out: 173.309 $\pm$ 0.050 χ^2 /NDF: 1548342.3/19

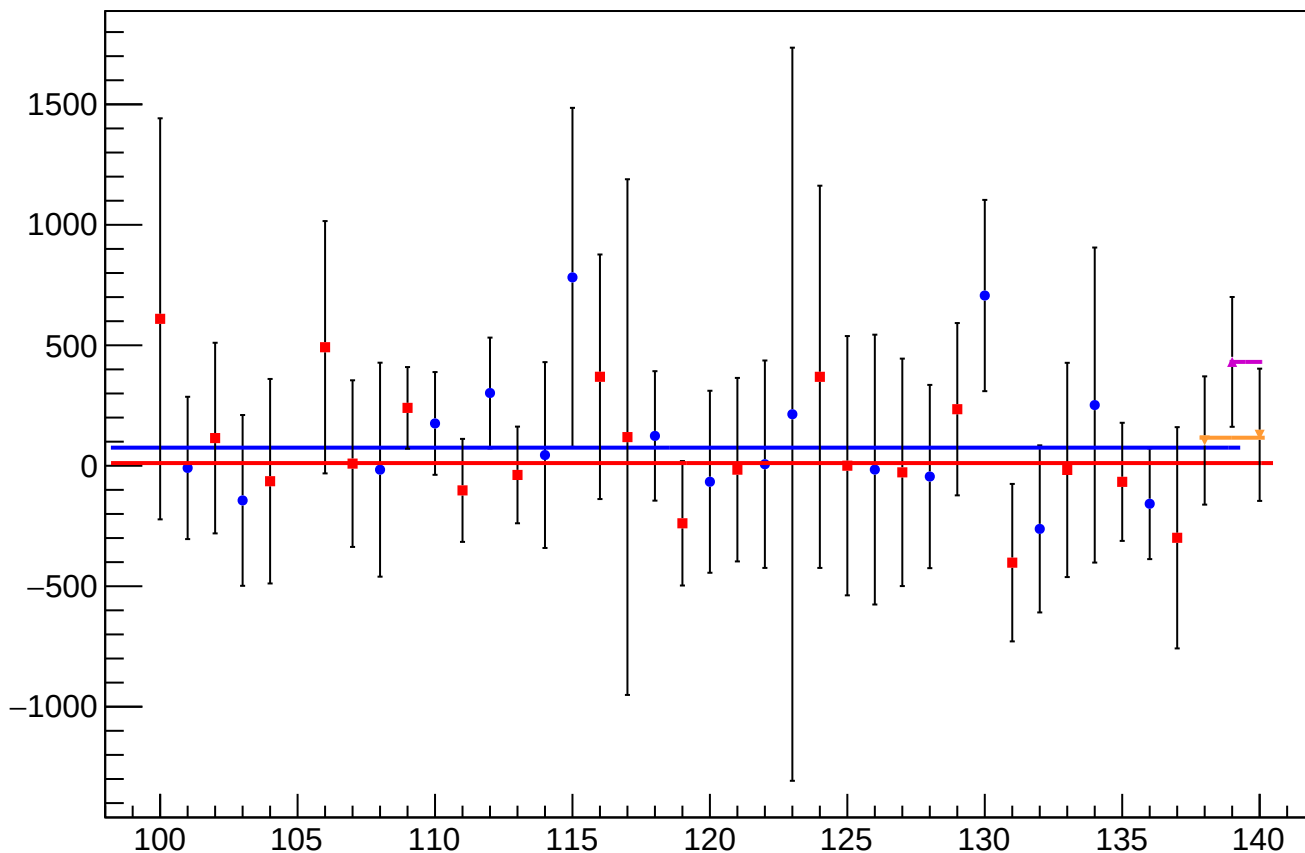
Left In: 219.432 $\pm$ 0.185 χ^2 /NDF:0.0/0

199.803 $\pm$ 0.052 χ^2 /NDF: 1036500.3/18

187.190 $\pm$ 0.035 χ^2 /NDF: 2752498.0/39

176.418 $\pm$ 0.048 χ^2 /NDF: 1606473.7/20

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2/NDF : 7.6/16

Left Out: 116.402 $\pm$ 191.078 χ^2/NDF : 0.0/1

Right Out: 11.180 $\pm$ 73.166 χ^2/NDF : 7.8/19

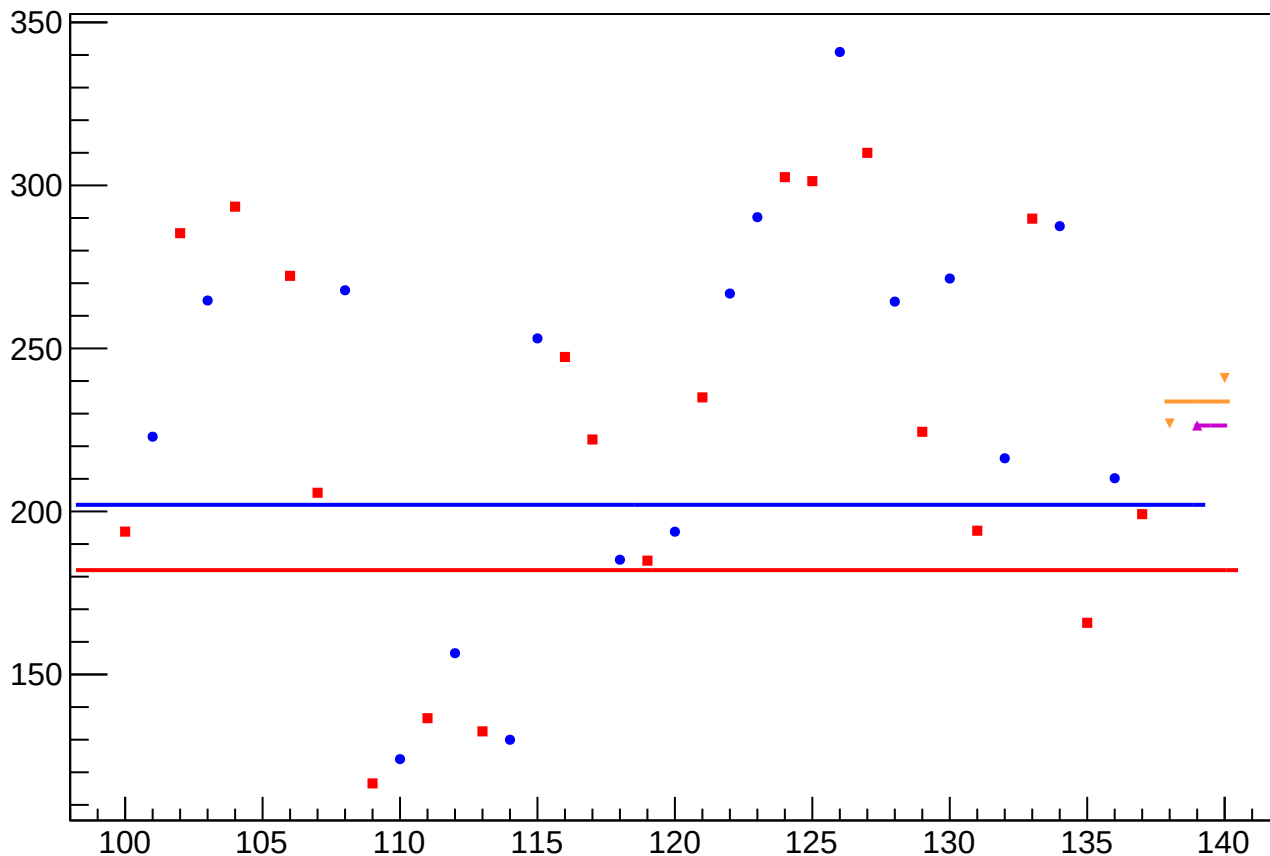
Left In: 431.075 $\pm$ 269.403 χ^2/NDF : 0.0/0

81.680 $\pm$ 75.745 χ^2/NDF : 7.7/18

59.392 $\pm$ 51.648 χ^2/NDF : 17.9/39

40.023 $\pm$ 70.608 χ^2/NDF : 10.1/20

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 233.731+/-0.135 χ^2/NDF : 2657.9/1

Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

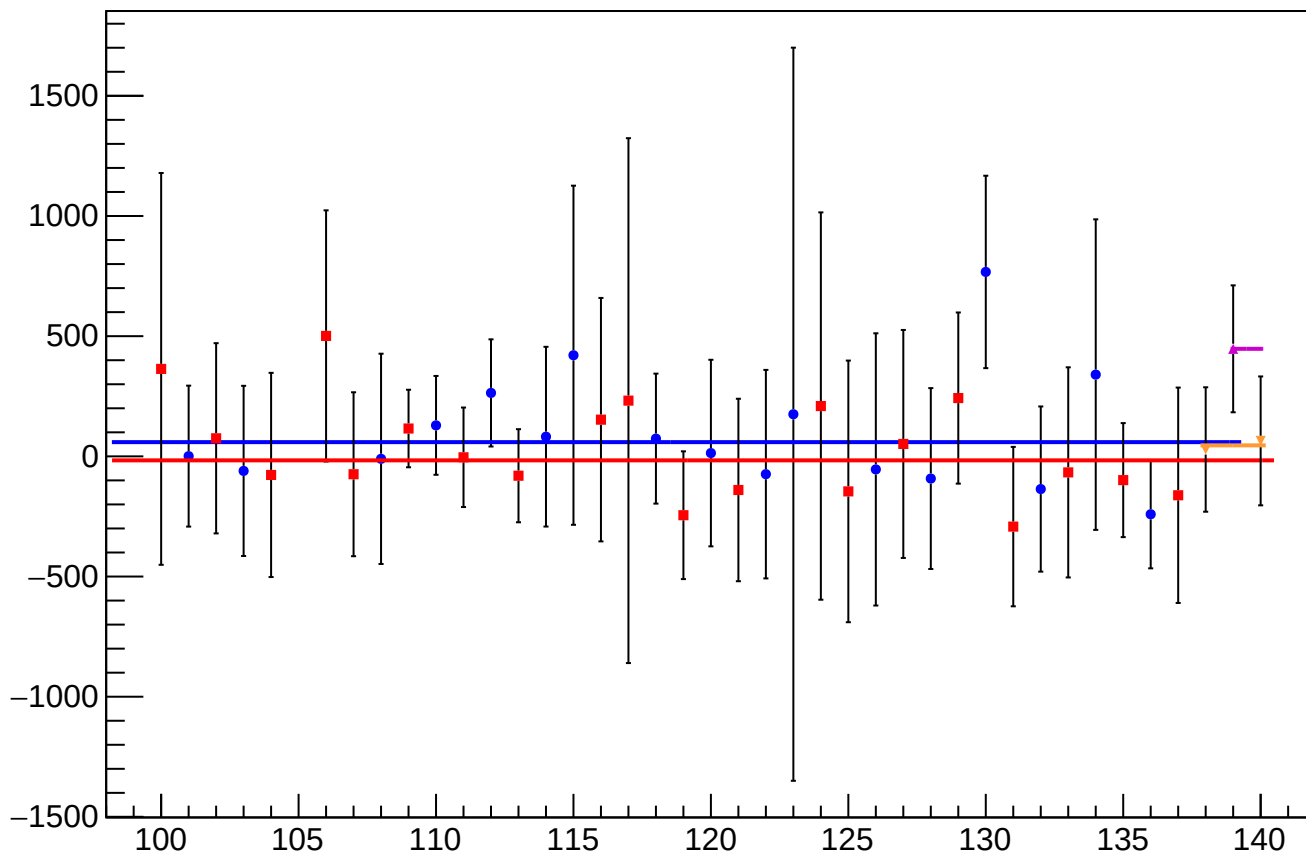
Left In: 226.357+/-0.190 χ^2/NDF : 0.0/0

207.011+/-0.054 χ^2/NDF : 930667.9/18

195.259+/-0.037 χ^2/NDF : 2451498.1/39

185.046+/-0.050 χ^2/NDF : 1430848.9/20

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 45.792+/-186.216 χ^2/NDF : 0.0/1

Right Out: -16.650+/-71.745 χ^2/NDF : 4.7/19

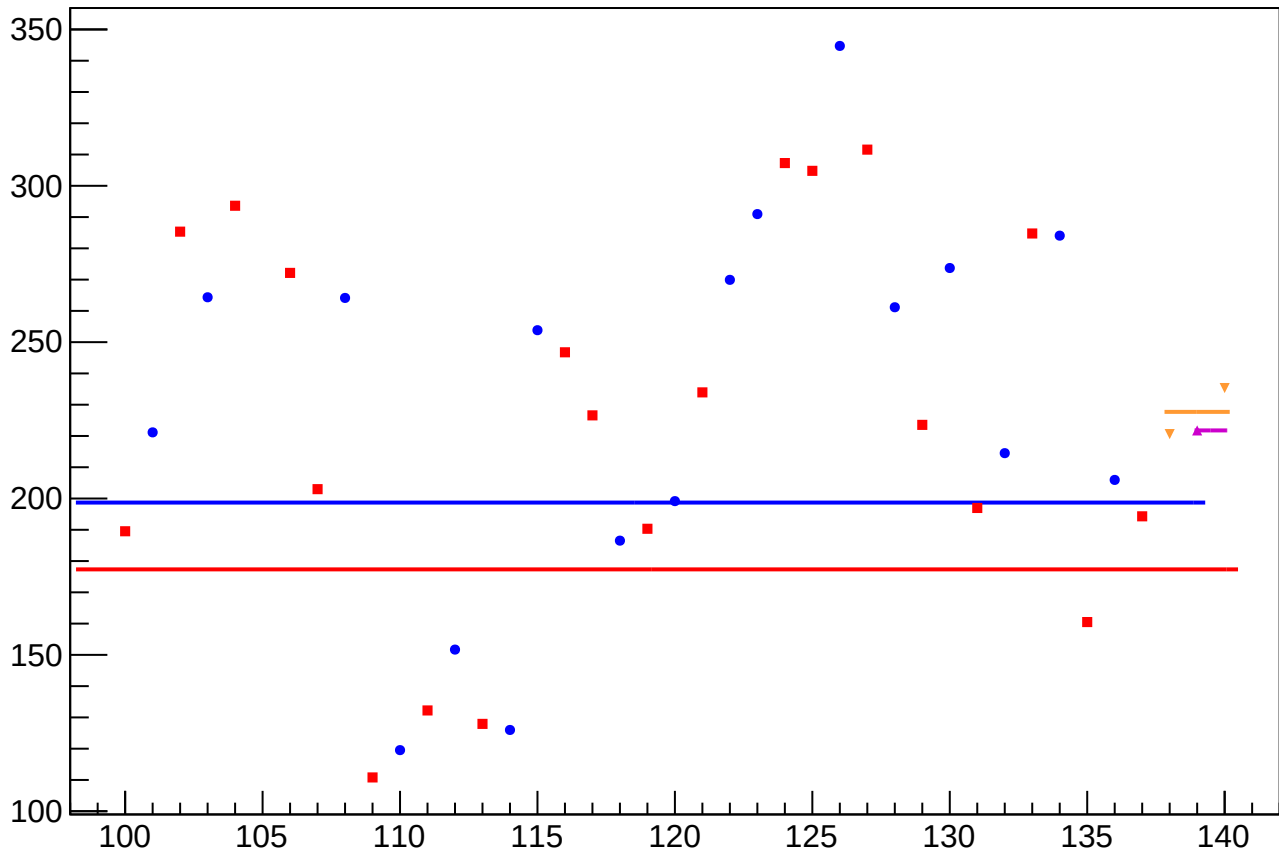
Left In: 447.396+/-264.034 χ^2/NDF : 0.0/0

57.027+/-74.599 χ^2/NDF : 7.2/18

34.586+/-50.747 χ^2/NDF : 14.9/39

15.257+/-69.234 χ^2/NDF : 7.6/20

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 227.706 $\pm$ 0.132 χ^2 /NDF:3121.3/1

Right Out: 177.338 $\pm$ 0.051 χ^2 /NDF: 1528976.8/19

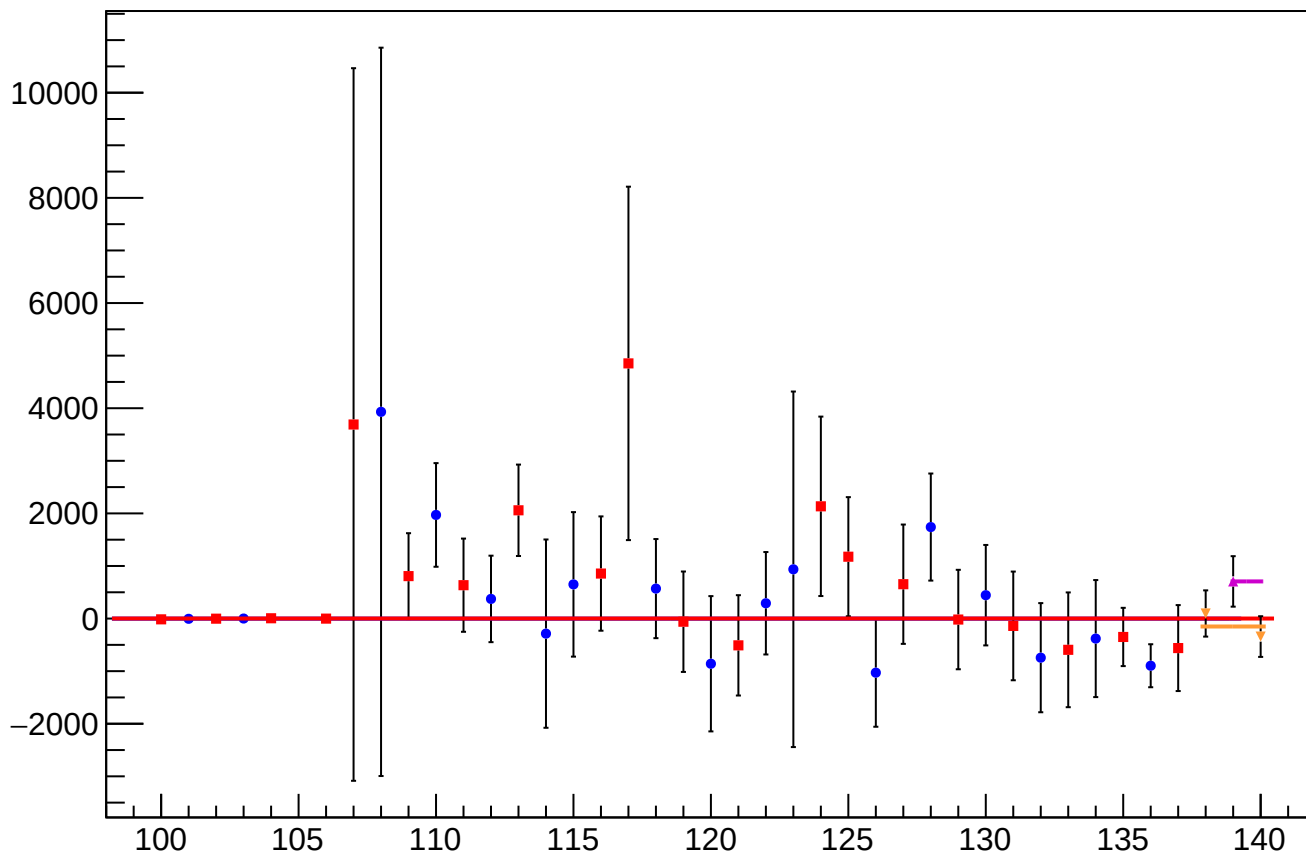
Left In: 221.776 $\pm$ 0.187 χ^2 /NDF:0.0/0

203.358 $\pm$ 0.053 χ^2 /NDF: 1007243.8/18

191.021 $\pm$ 0.036 χ^2 /NDF: 2690799.0/39

180.394 $\pm$ 0.049 χ^2 /NDF: 1581733.3/20

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -150.852 ± 290.332 χ^2/NDF : 0.6/1

Right Out: 0.733 ± 2.111 χ^2/NDF : 20.5/19

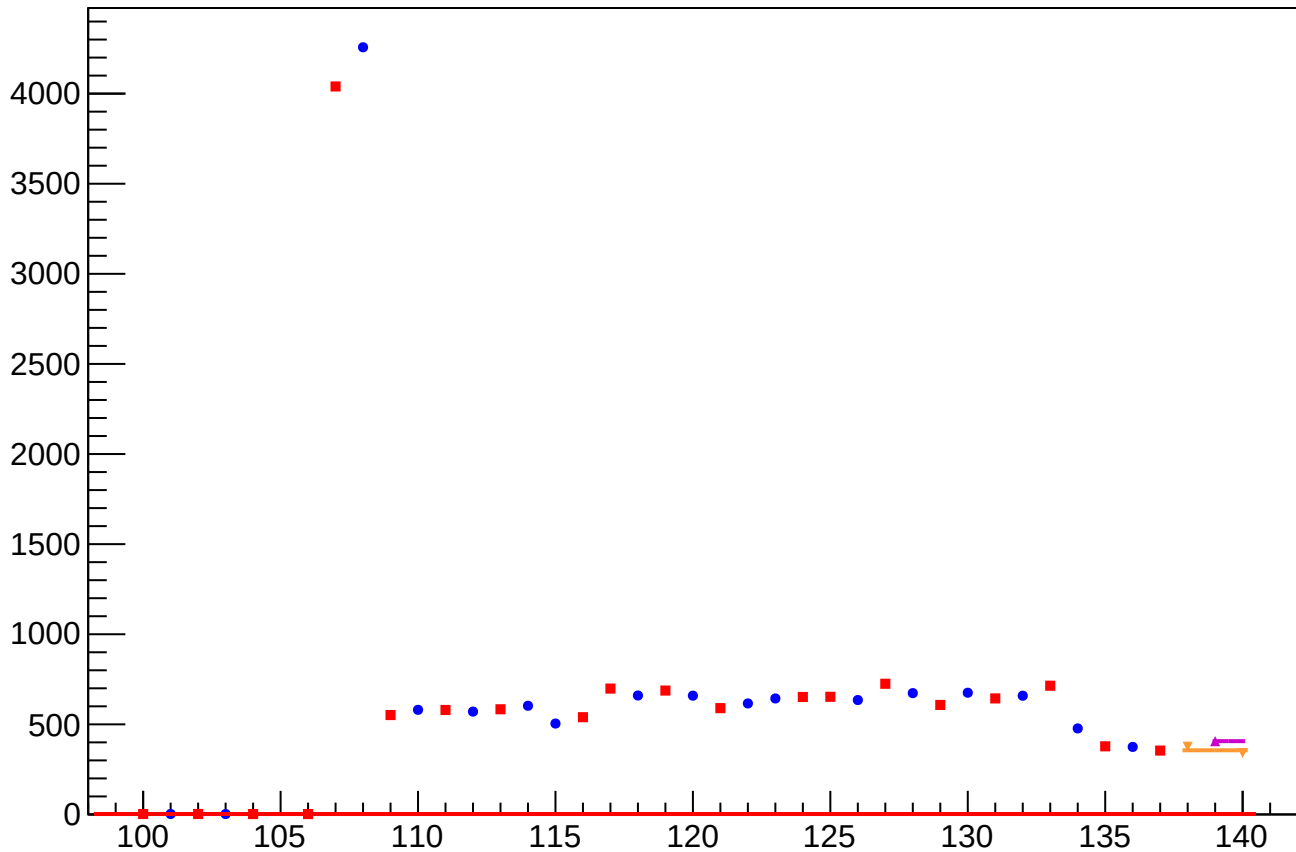
Left In: 706.487 ± 479.995 χ^2/NDF : 0.0/0

-1.538 ± 2.251 χ^2/NDF : 17.5/18

-0.322 ± 1.540 χ^2/NDF : 40.7/39

0.747 ± 2.111 χ^2/NDF : 22.6/20

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 356.089+/-0.205 χ^2/NDF : 7078.2/1

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

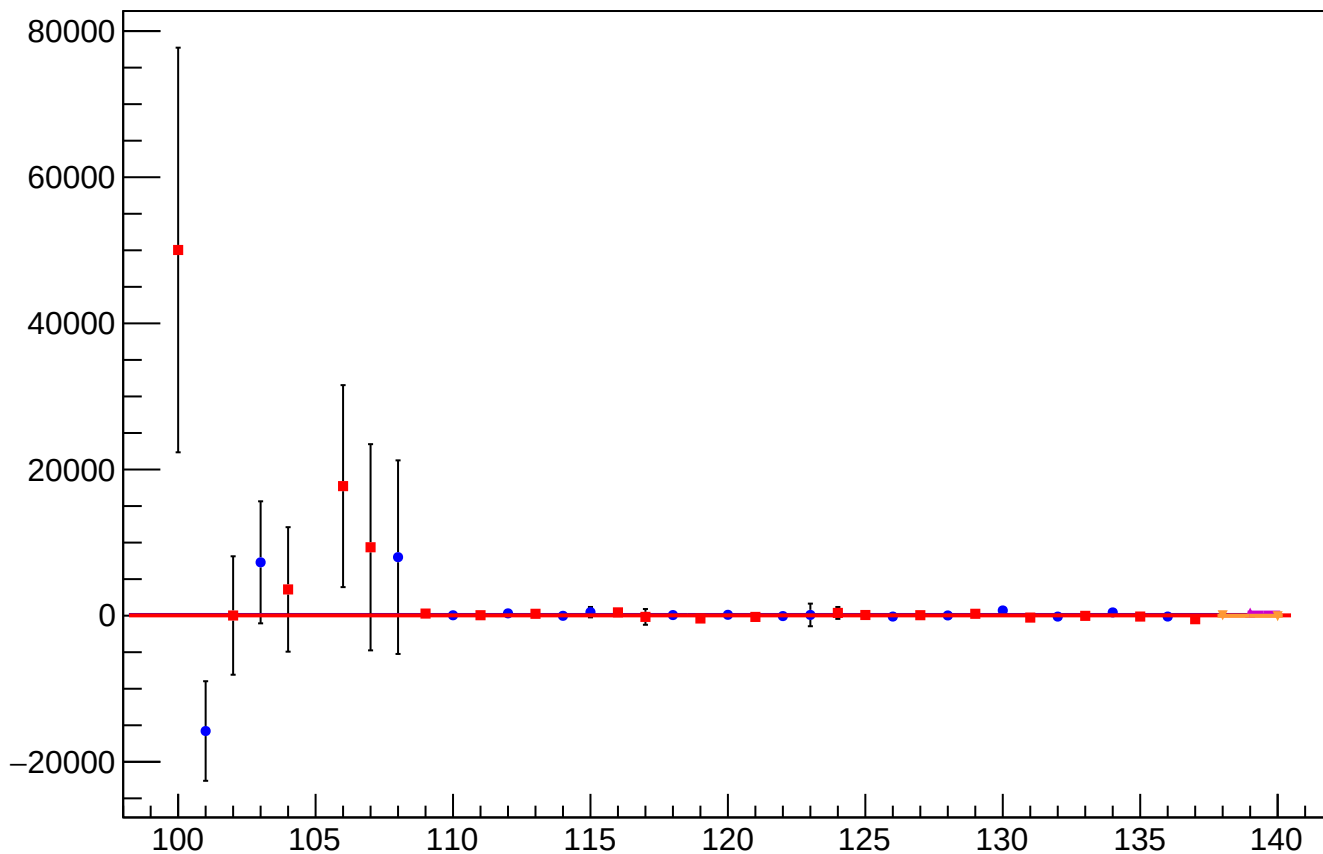
Left In: 406.749+/-0.339 χ^2/NDF : 0.0/0

2.477+/-0.002 χ^2/NDF : 13680432.6/18

2.460+/-0.001 χ^2/NDF : 26325649.1/39

2.445+/-0.001 χ^2/NDF : 12644992.9/20

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -12.785+/-184.570 χ^2/NDF : 0.1/1

Right Out: 41.335+/-84.288 χ^2/NDF : 14.0/19

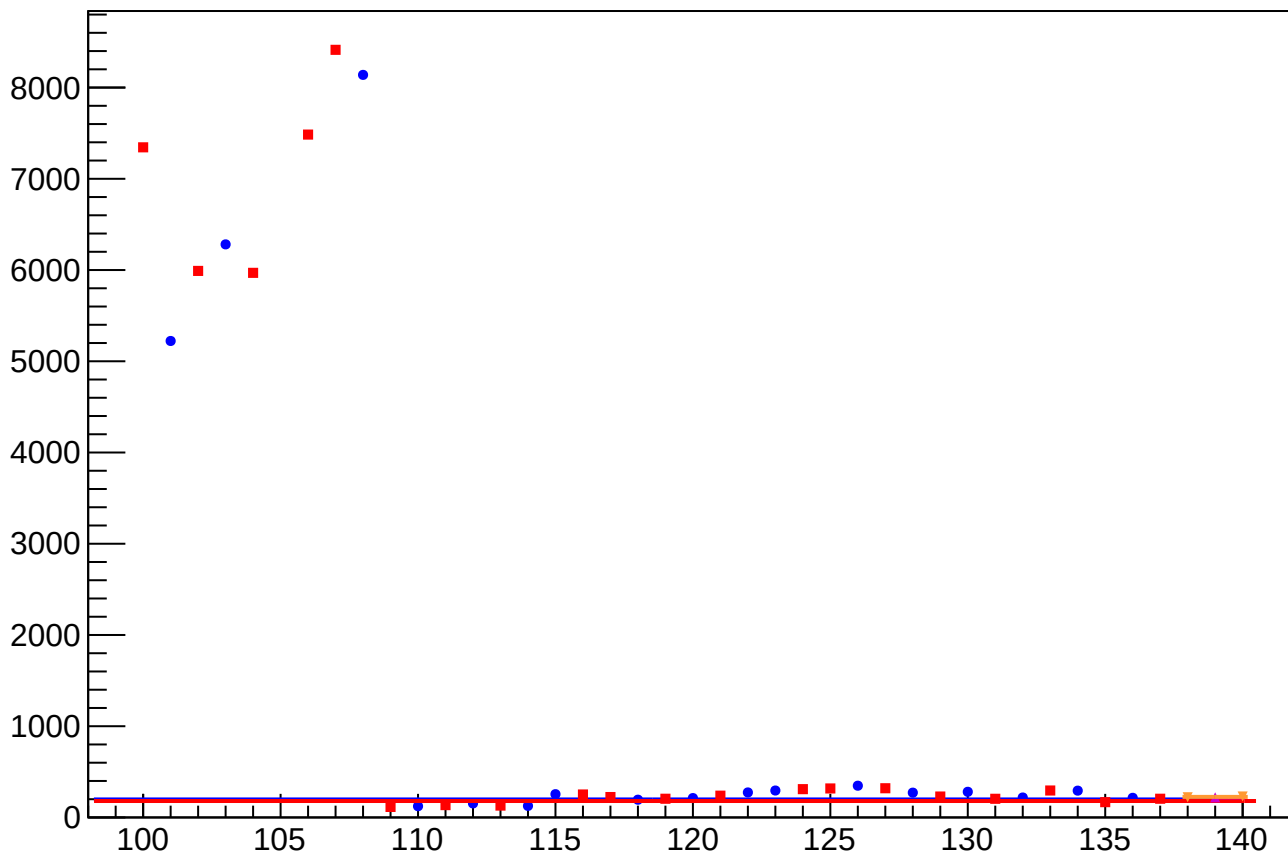
Left In: 422.438+/-262.902 χ^2/NDF : 0.0/0

73.941+/-82.129 χ^2/NDF : 12.4/18

75.432+/-57.403 χ^2/NDF : 28.3/39

76.856+/-80.263 χ^2/NDF : 15.9/20

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 225.412+/-0.131 χ^2/NDF :1065.0/1

Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

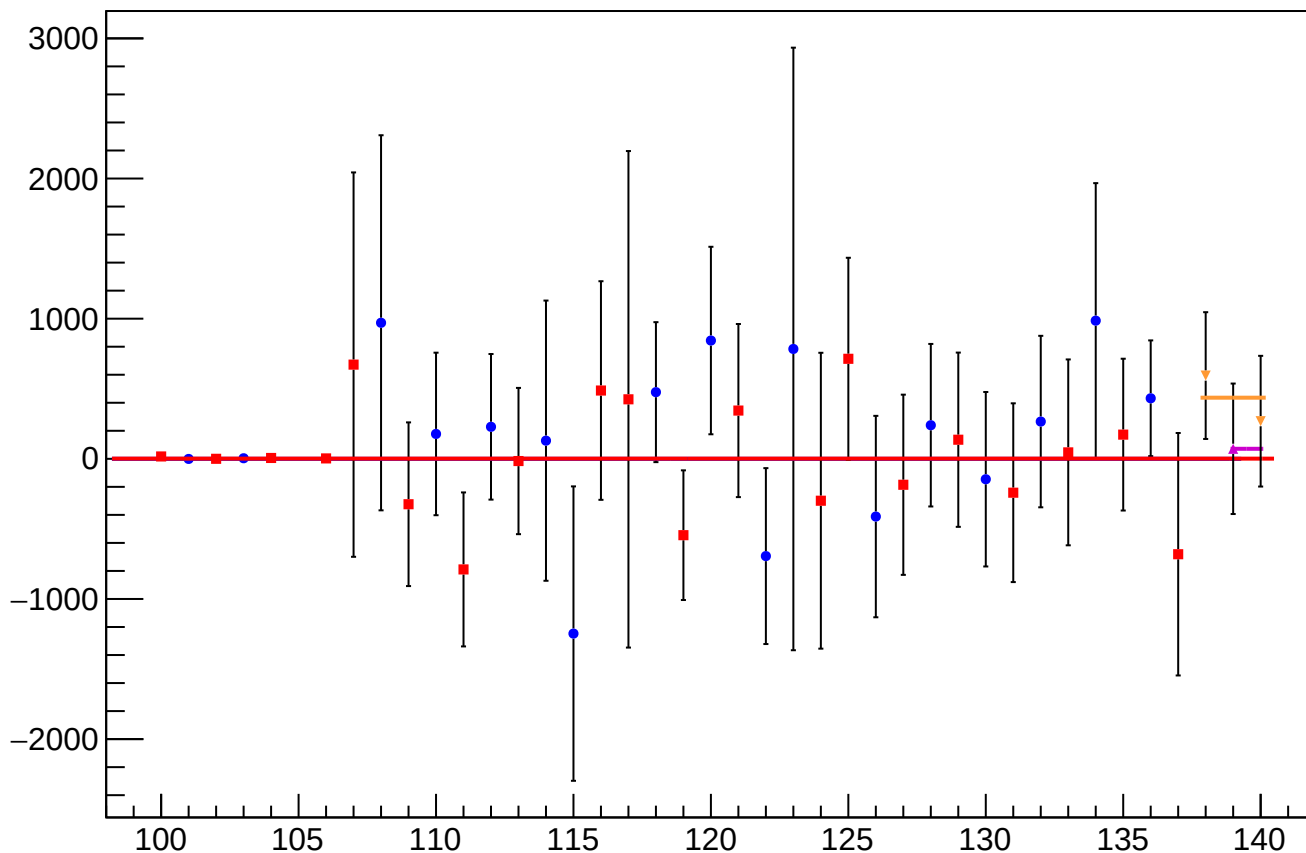
Left In: 220.318+/-0.186 χ^2/NDF :0.0/0

202.964+/-0.058 χ^2/NDF : 3733801.6/18

193.257+/-0.041 χ^2/NDF : 8155237.2/39

183.985+/-0.057 χ^2/NDF : 4366807.6/20

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 436.225 ± 324.661 χ^2/NDF : 0.3/1

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.6/19

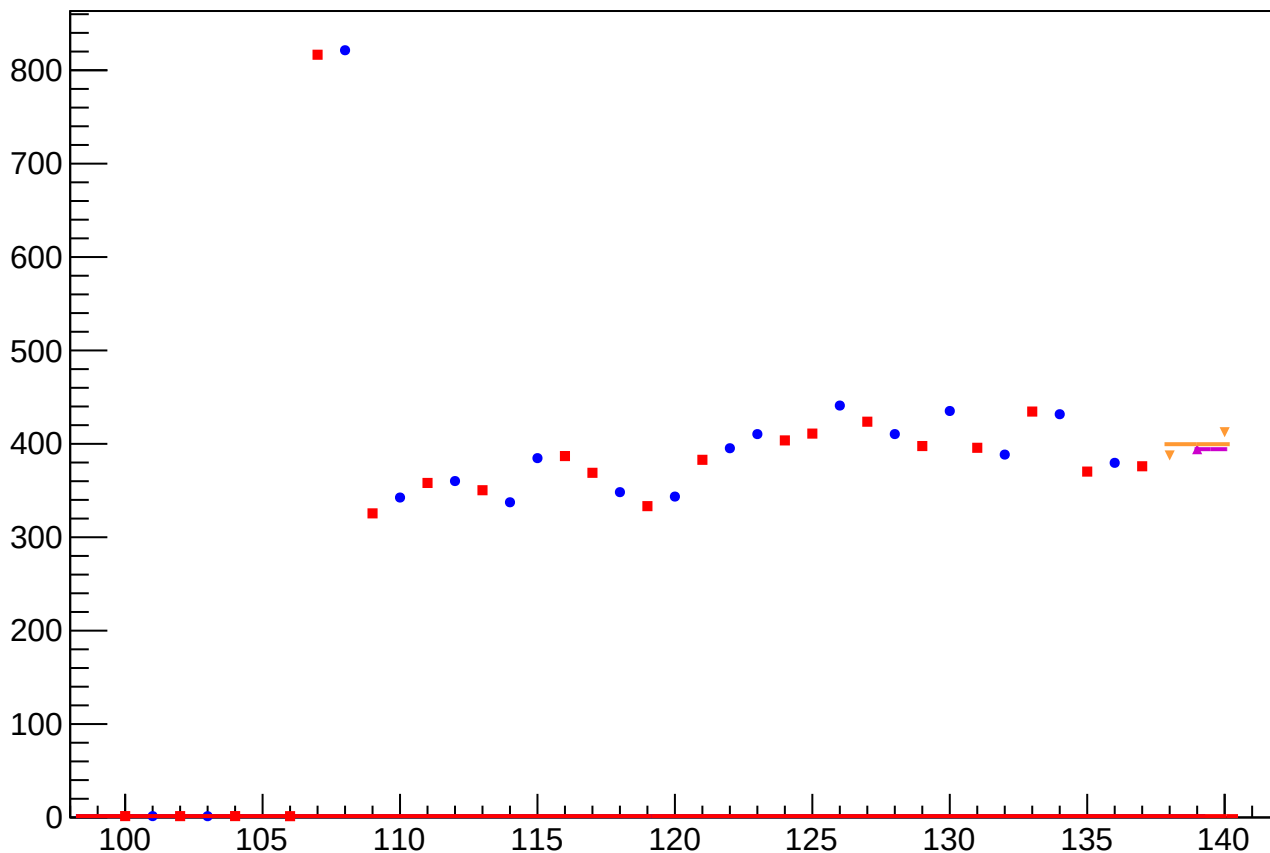
Left In: 71.565 ± 465.491 χ^2/NDF : 0.0/0

-0.126 ± 1.737 χ^2/NDF : 11.8/18

0.648 ± 1.186 χ^2/NDF : 21.8/39

1.325 ± 1.623 χ^2/NDF : 9.6/20

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 399.637+/-0.230 χ^2/NDF : 2931.3/1

Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

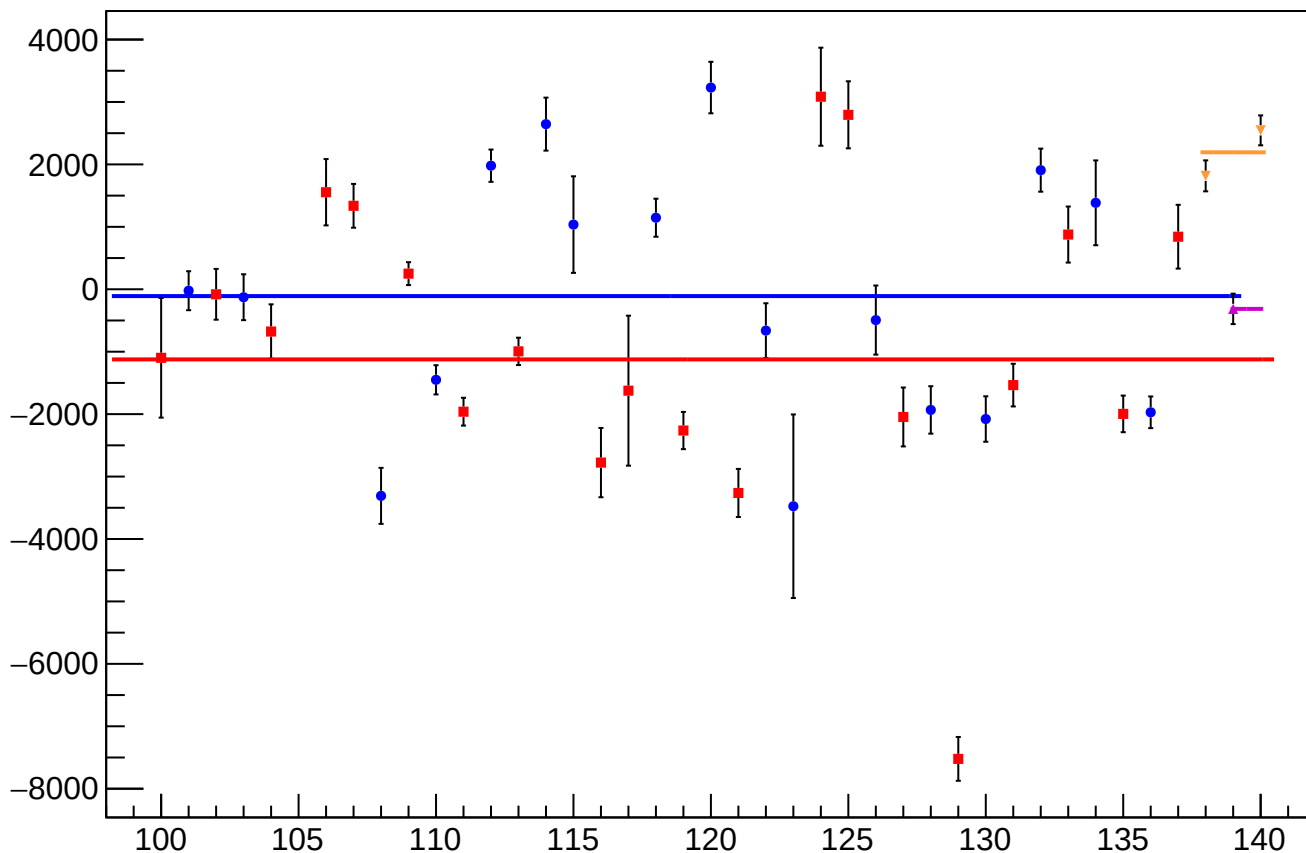
Left In: 394.289+/-0.329 χ^2/NDF : 0.0/0

1.464+/-0.001 χ^2/NDF : 13827174.4/18

1.460+/-0.001 χ^2/NDF : 26211227.2/39

1.456+/-0.001 χ^2/NDF : 12384032.9/20

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 2193.460+/-172.351 χ^2/NDF : 4.5/1

Right Out: -1123.337+/-78.230 χ^2/NDF : 670.2/19

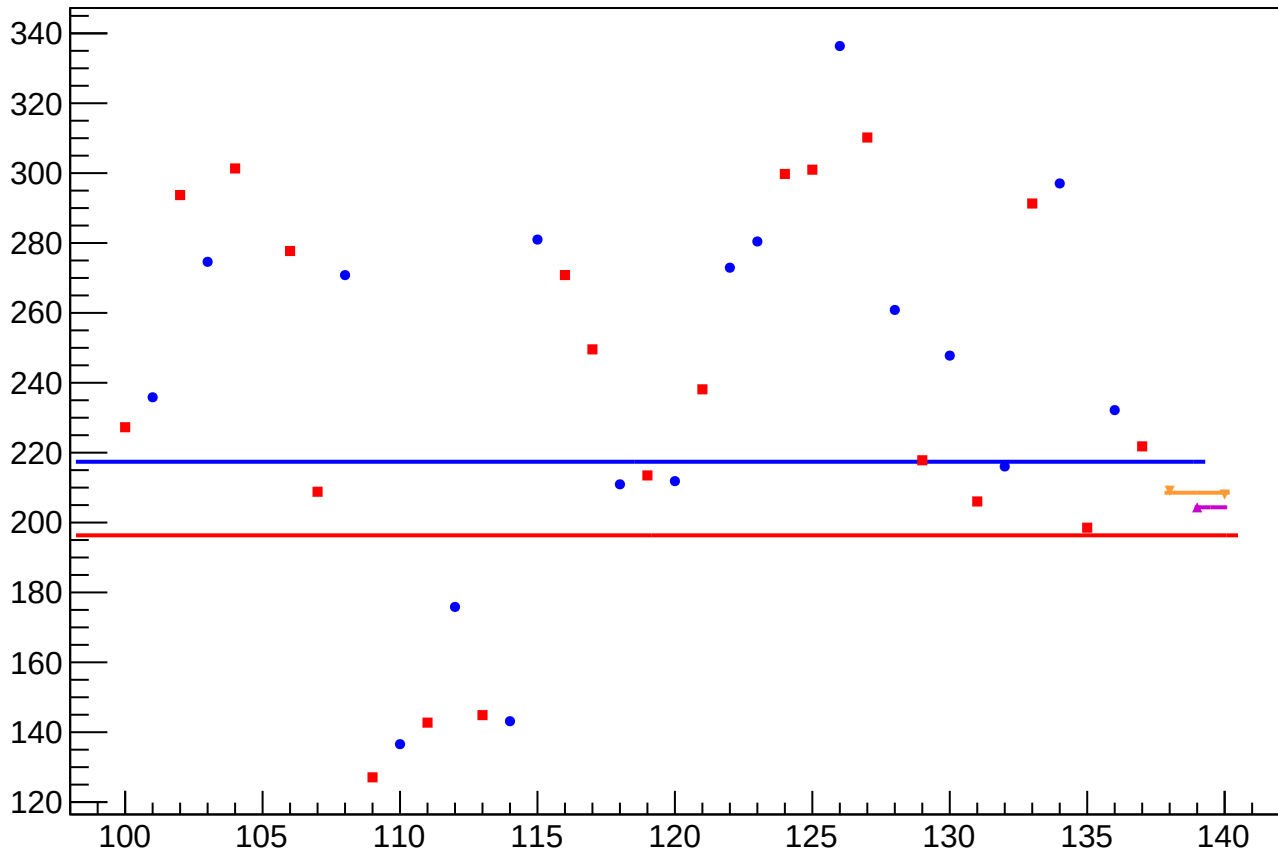
Left In: -314.275+/-243.699 χ^2/NDF : 0.0/0

366.612+/-78.348 χ^2/NDF : 574.4/18

-376.286+/-53.983 χ^2/NDF : 1425.8/39

-1047.754+/-74.486 χ^2/NDF : 680.2/20

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 208.539 $\pm$ 0.122 χ^2 /NDF:20.2/1

Right Out: 196.339 $\pm$ 0.055 χ^2 /NDF: 1194805.7/19

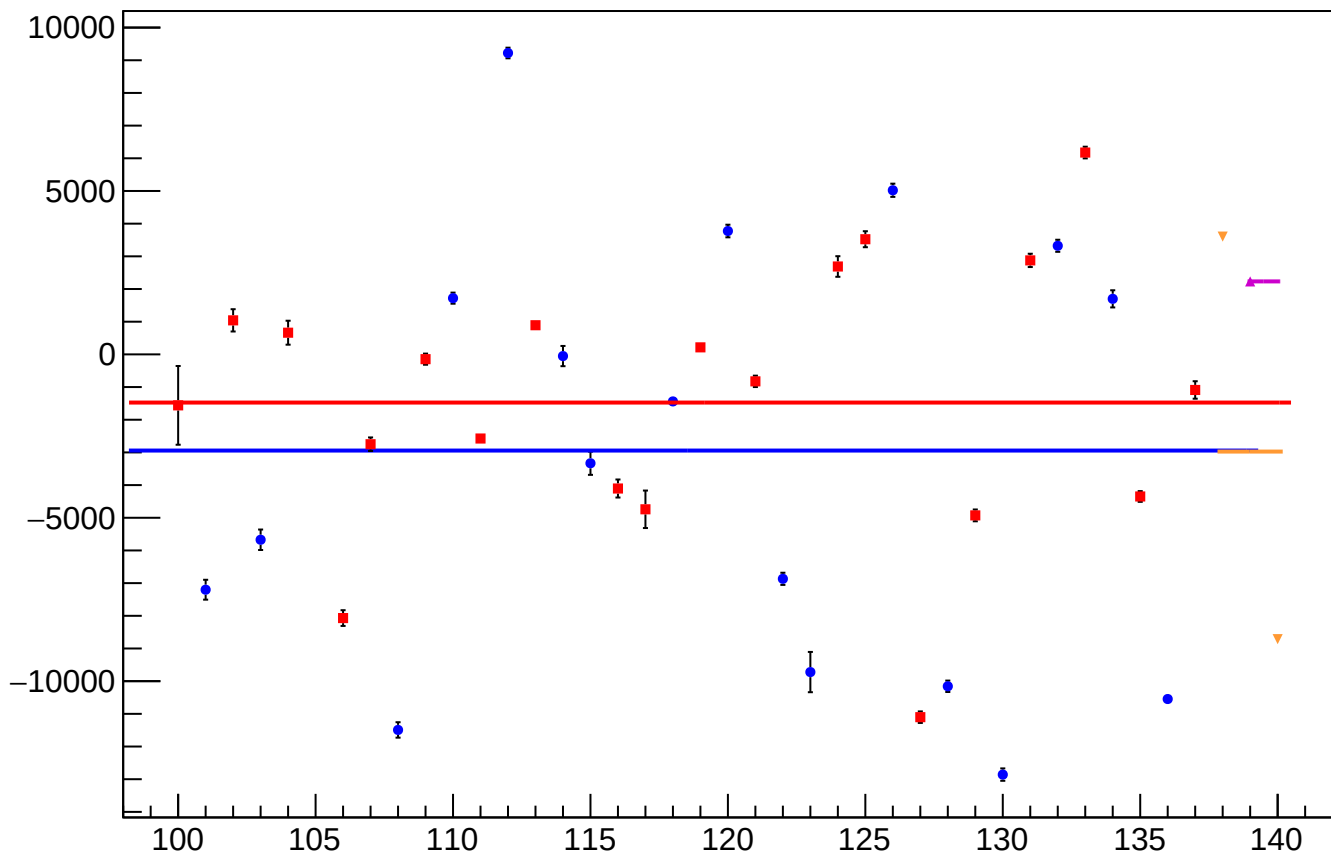
Left In: 204.362 $\pm$ 0.172 χ^2 /NDF:0.0/0

215.571 $\pm$ 0.055 χ^2 /NDF: 656850.0/18

205.863 $\pm$ 0.038 χ^2 /NDF: 1912083.3/39

197.088 $\pm$ 0.053 χ^2 /NDF: 1196771.0/20

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -2974.228 ± 95.580 $\chi^2/\text{NDF}: 4133.1/1$

Right Out: -1474.497 ± 46.252 $\chi^2/\text{NDF}: 8028.6/19$

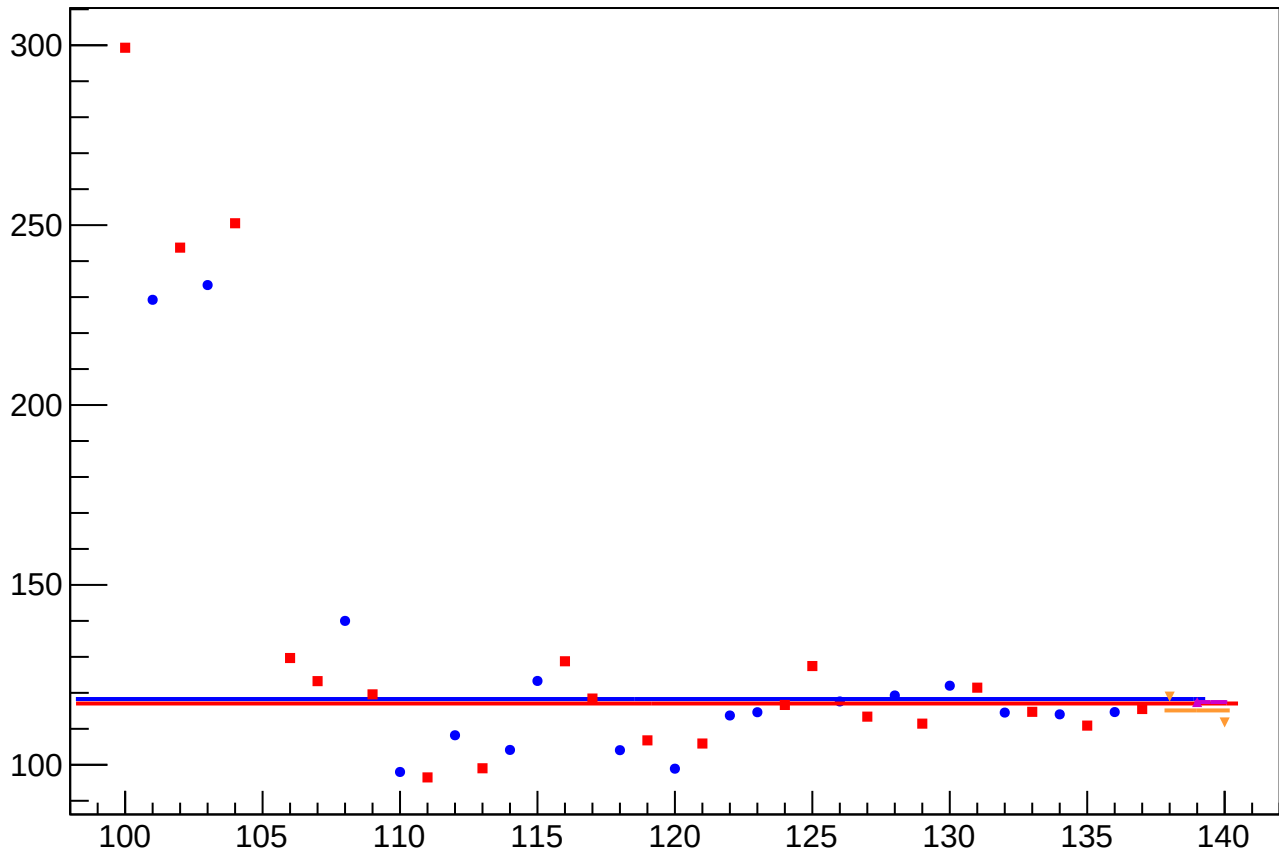
Left In: 2232.735 ± 142.021 $\chi^2/\text{NDF}: 0.0/0$

-2949.515 ± 43.330 $\chi^2/\text{NDF}: 25043.0/18$

-2047.863 ± 30.866 $\chi^2/\text{NDF}: 34566.8/39$

-1119.002 ± 43.979 $\chi^2/\text{NDF}: 8644.7/20$

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286 $\pm$ 0.034 χ^2/NDF : 636918.0/16

Left Out: 115.114 $\pm$ 0.068 χ^2/NDF : 2807.7/1

Right Out: 117.040 $\pm$ 0.033 χ^2/NDF : 690873.1/19

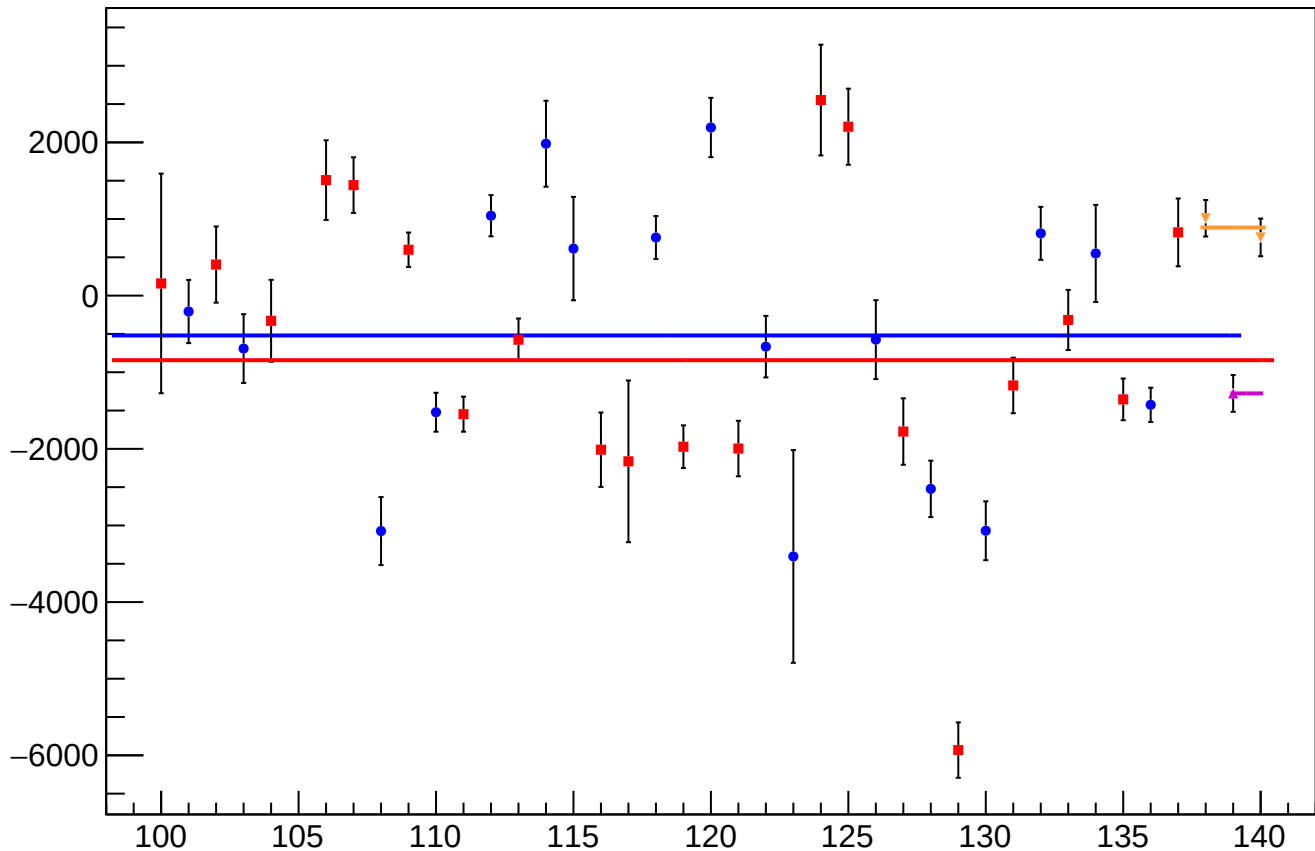
Left In: 117.446 $\pm$ 0.100 χ^2/NDF : 0.0/0

117.634 $\pm$ 0.031 χ^2/NDF : 641475.6/18

117.361 $\pm$ 0.022 χ^2/NDF : 1332524.7/39

117.079 $\pm$ 0.031 χ^2/NDF : 690887.9/20

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 $\pm$ 89.241 χ^2 /NDF: 288.1/16

Left Out: 888.607 $\pm$ 170.997 χ^2 /NDF: 0.5/1

Right Out: -842.858 $\pm$ 82.024 χ^2 /NDF: 436.3/19

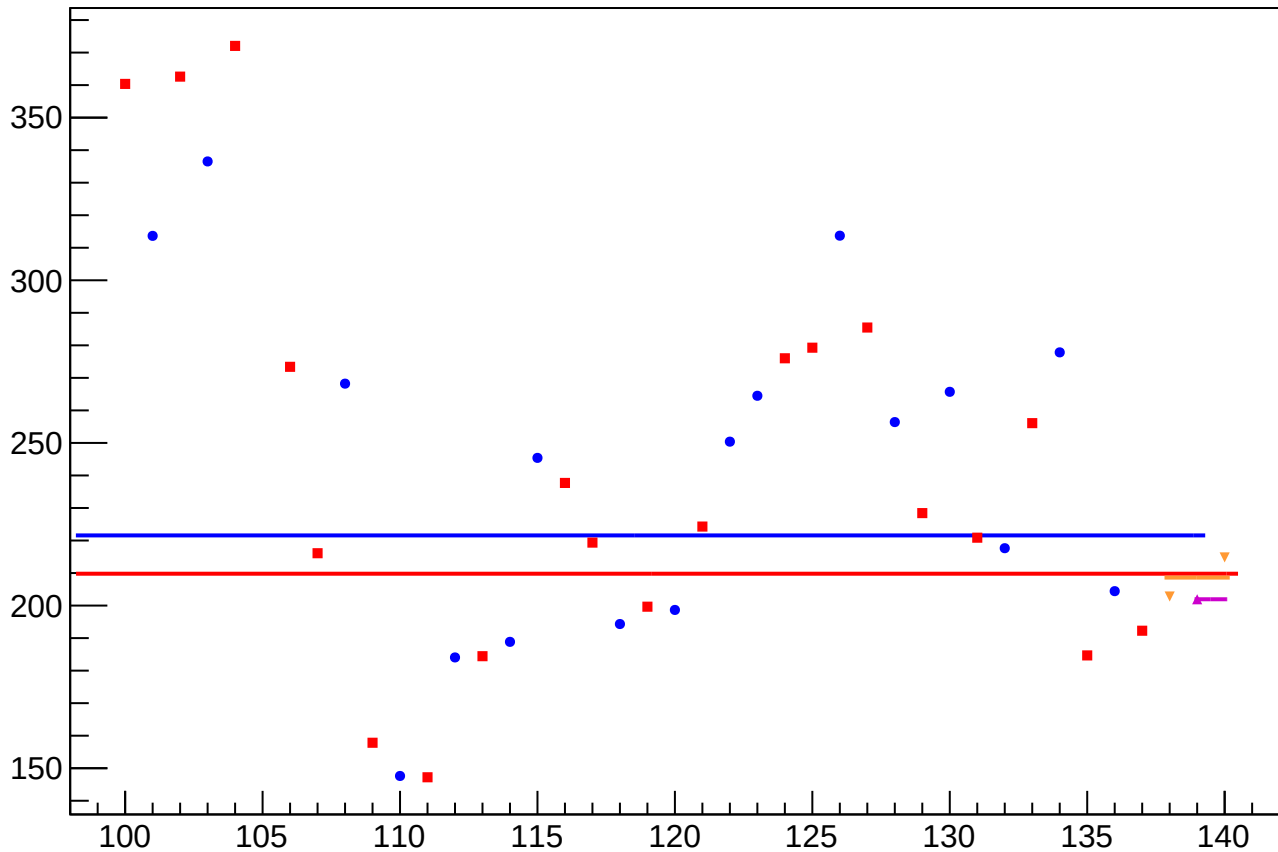
Left In: -1276.540 $\pm$ 239.657 χ^2 /NDF: 0.0/0

-218.682 $\pm$ 79.115 χ^2 /NDF: 342.0/18

-559.958 $\pm$ 55.401 χ^2 /NDF: 817.7/39

-888.332 $\pm$ 77.605 χ^2 /NDF: 439.2/20

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 208.604 $\pm$ 0.121 χ^2 /NDF: 2466.7/1

Right Out: 209.794 $\pm$ 0.058 χ^2 /NDF: 884087.4/19

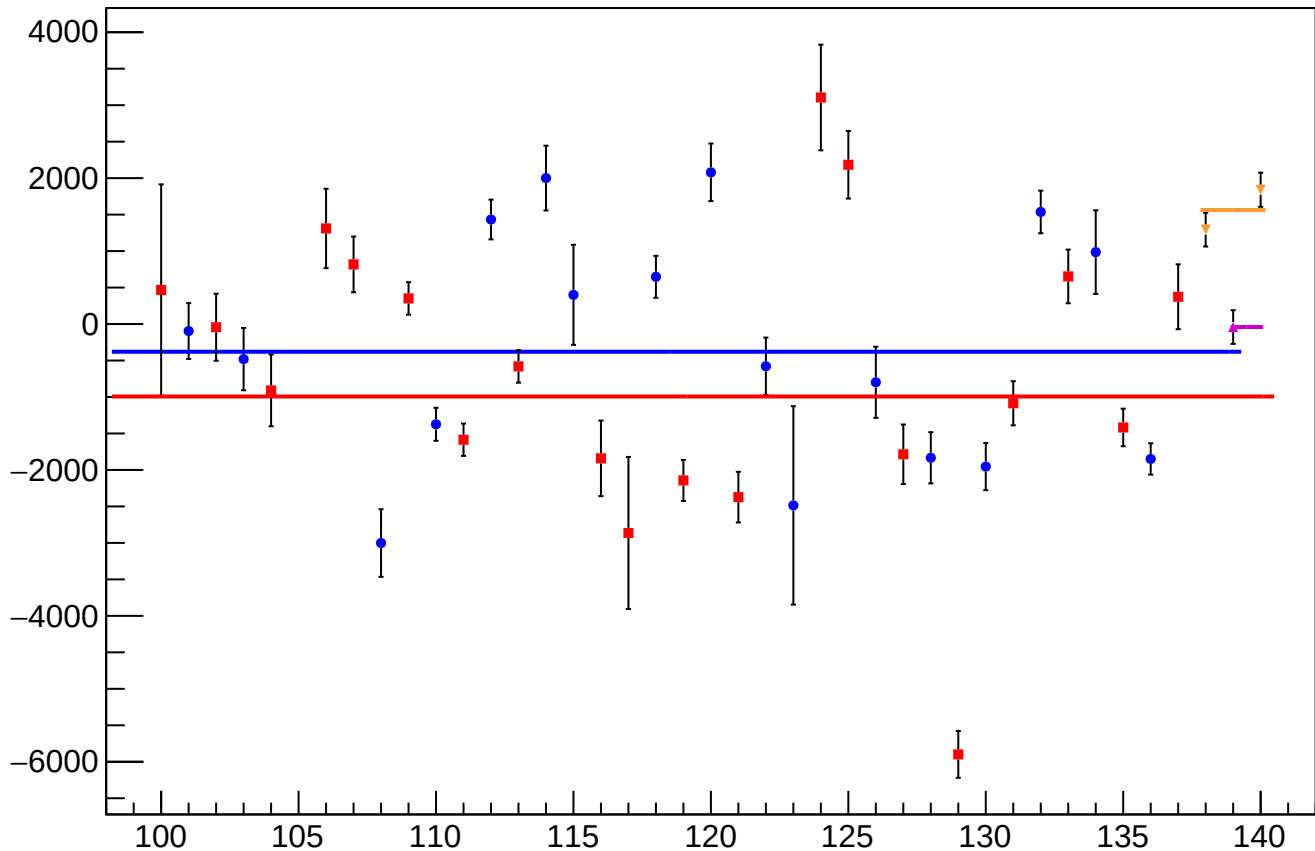
Left In: 201.941 $\pm$ 0.169 χ^2 /NDF: 0.0/0

218.794 $\pm$ 0.056 χ^2 /NDF: 656445.7/18

213.788 $\pm$ 0.039 χ^2 /NDF: 1558170.2/39

208.971 $\pm$ 0.055 χ^2 /NDF: 886009.7/20

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 $\chi^2/\text{NDF}: 317.2/16$

Left Out: 1563.732 ± 164.701 $\chi^2/\text{NDF}: 2.8/1$

Right Out: -992.944 ± 77.509 $\chi^2/\text{NDF}: 479.5/19$

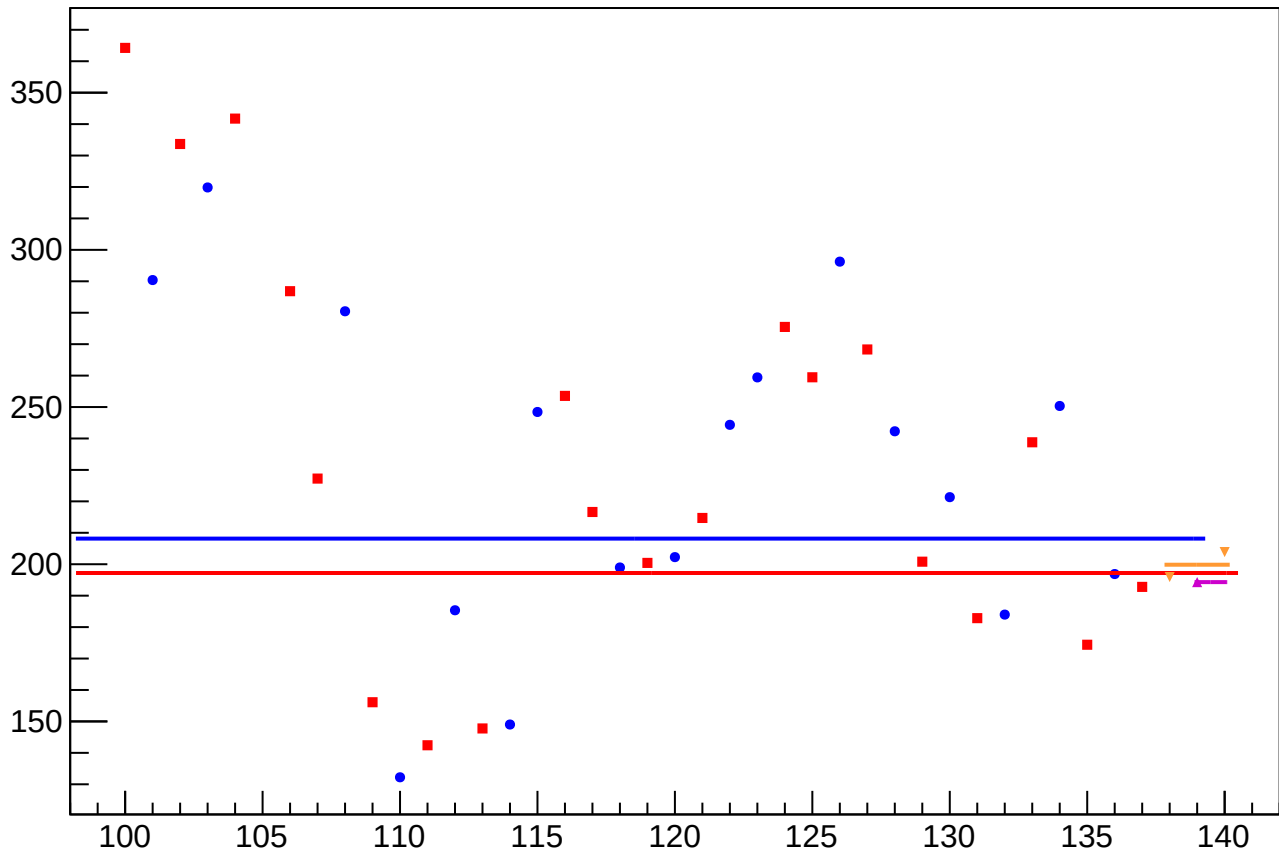
Left In: -41.098 ± 231.087 $\chi^2/\text{NDF}: 0.0/0$

23.477 ± 75.013 $\chi^2/\text{NDF}: 430.3/18$

-446.069 ± 52.494 $\chi^2/\text{NDF}: 1001.8/39$

-896.689 ± 73.486 $\chi^2/\text{NDF}: 494.7/20$

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 199.844+/-0.116 χ^2/NDF : 1161.0/1

Right Out: 197.210+/-0.055 χ^2/NDF : 927165.0/19

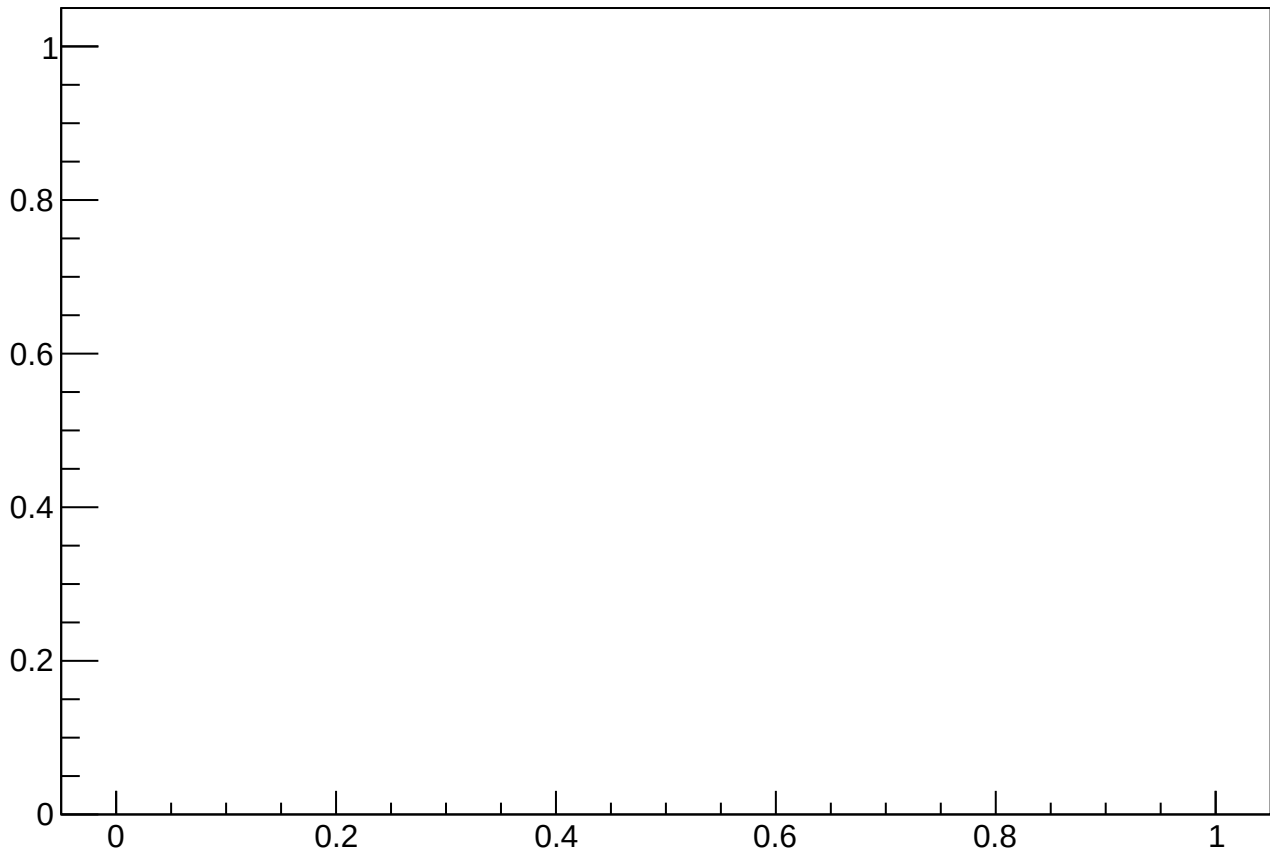
Left In: 194.311+/-0.163 χ^2/NDF : 0.0/0

206.428+/-0.053 χ^2/NDF : 704277.0/18

201.575+/-0.037 χ^2/NDF : 1648130.0/39

196.917+/-0.052 χ^2/NDF : 927448.0/20

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

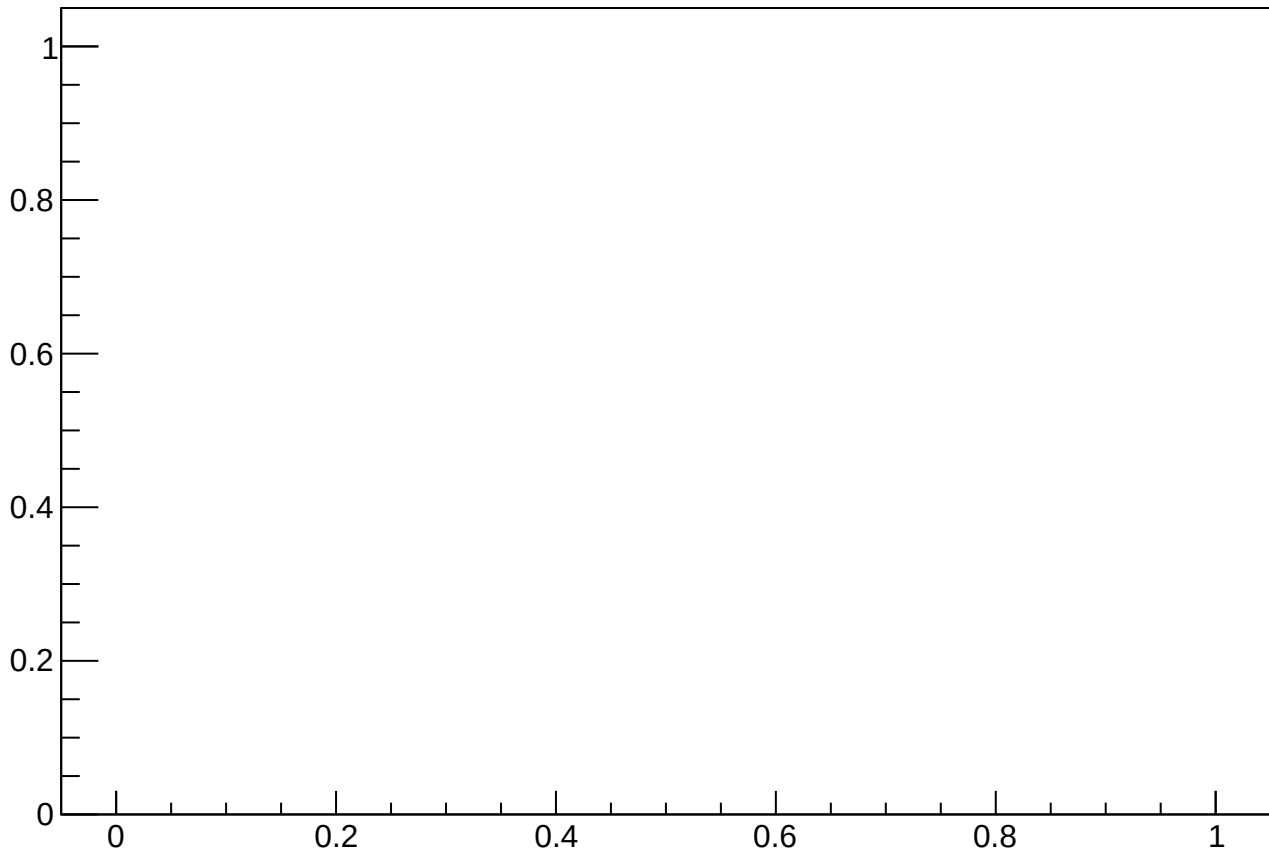
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

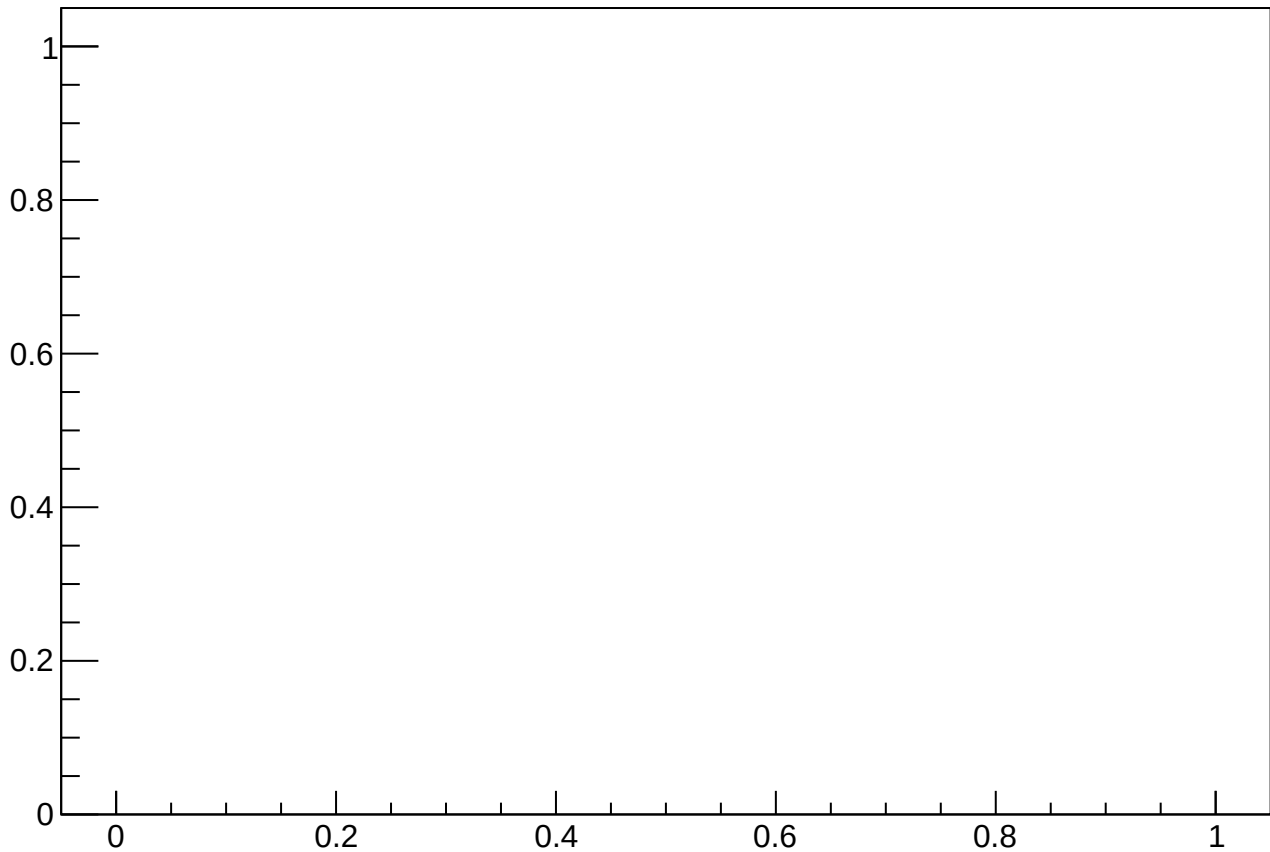
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

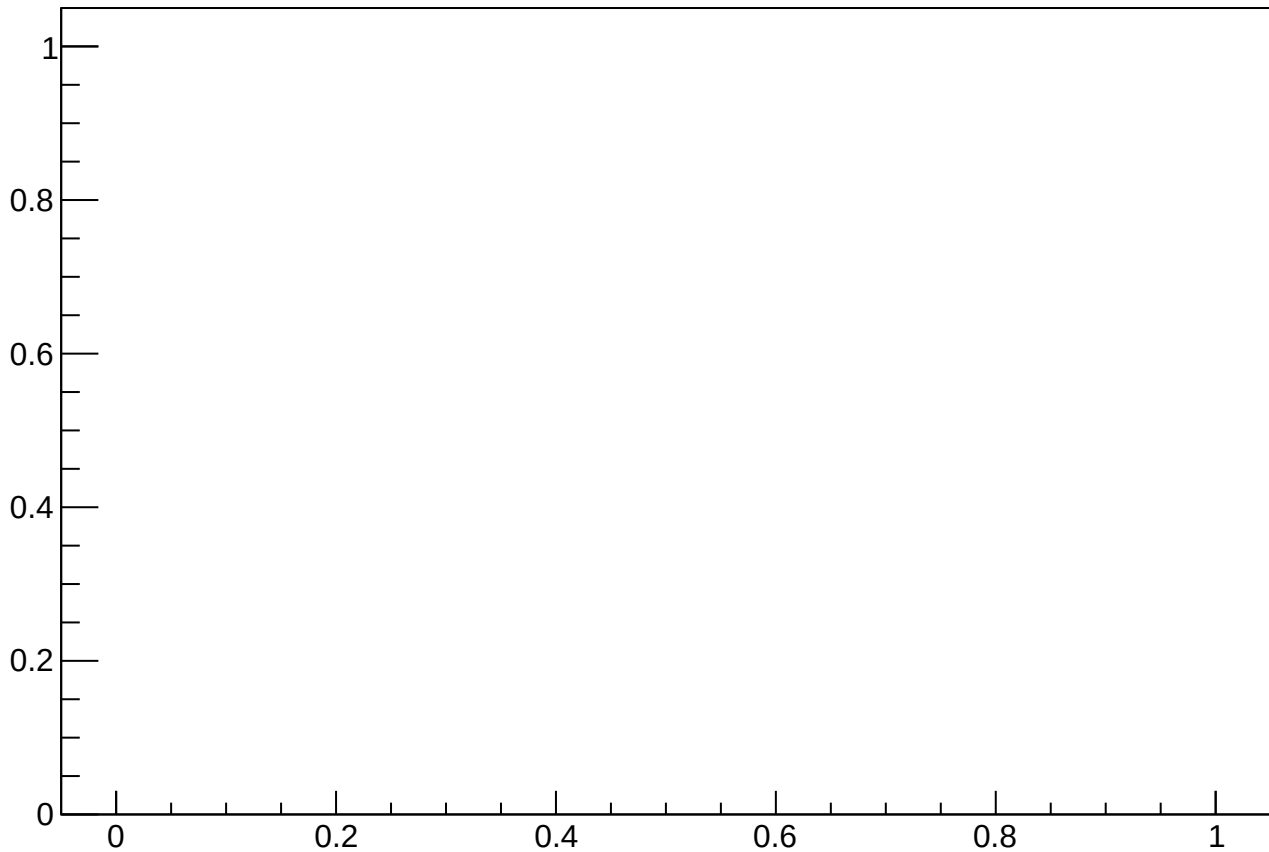
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

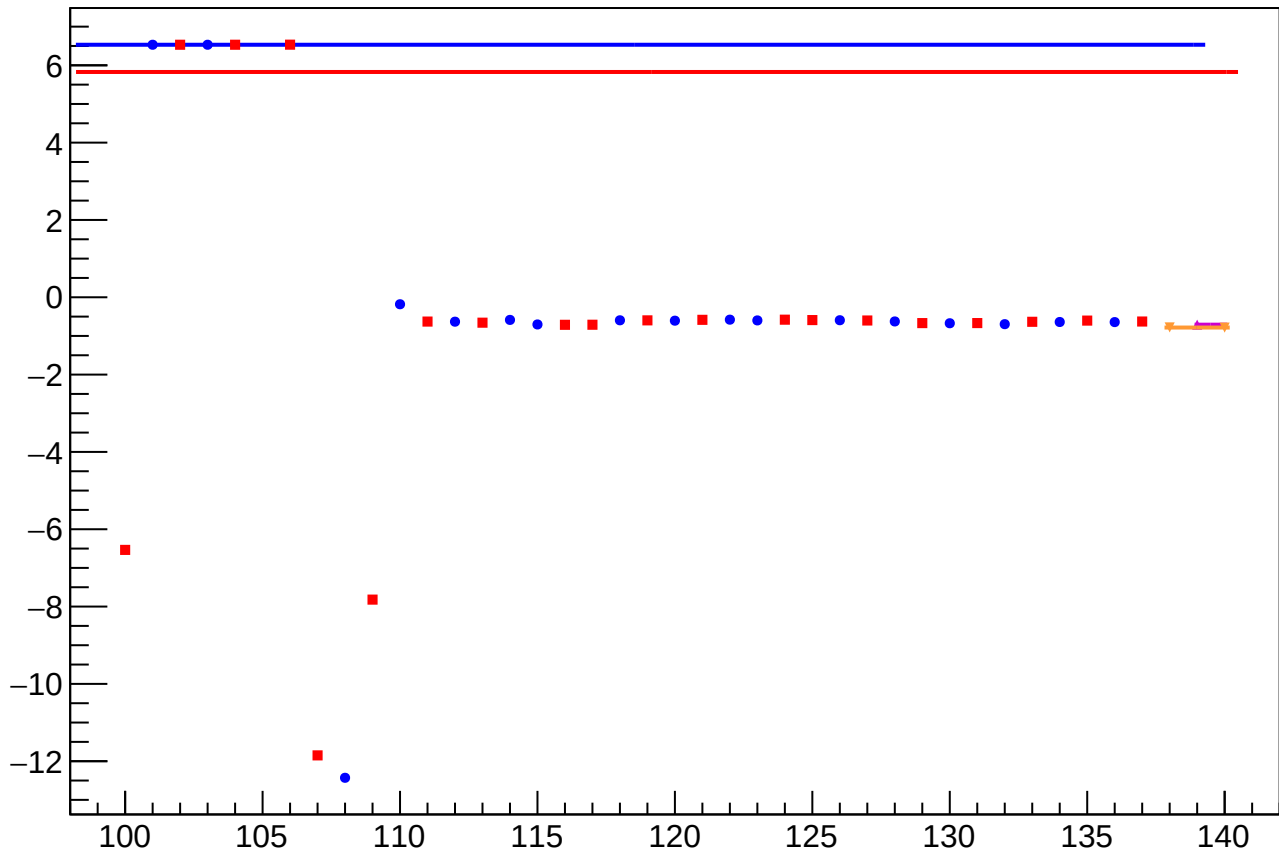
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -0.783+/-0.000 χ^2/NDF : 3836.9/1

6.532+/-0.000 χ^2/NDF : 162643549773.0/18

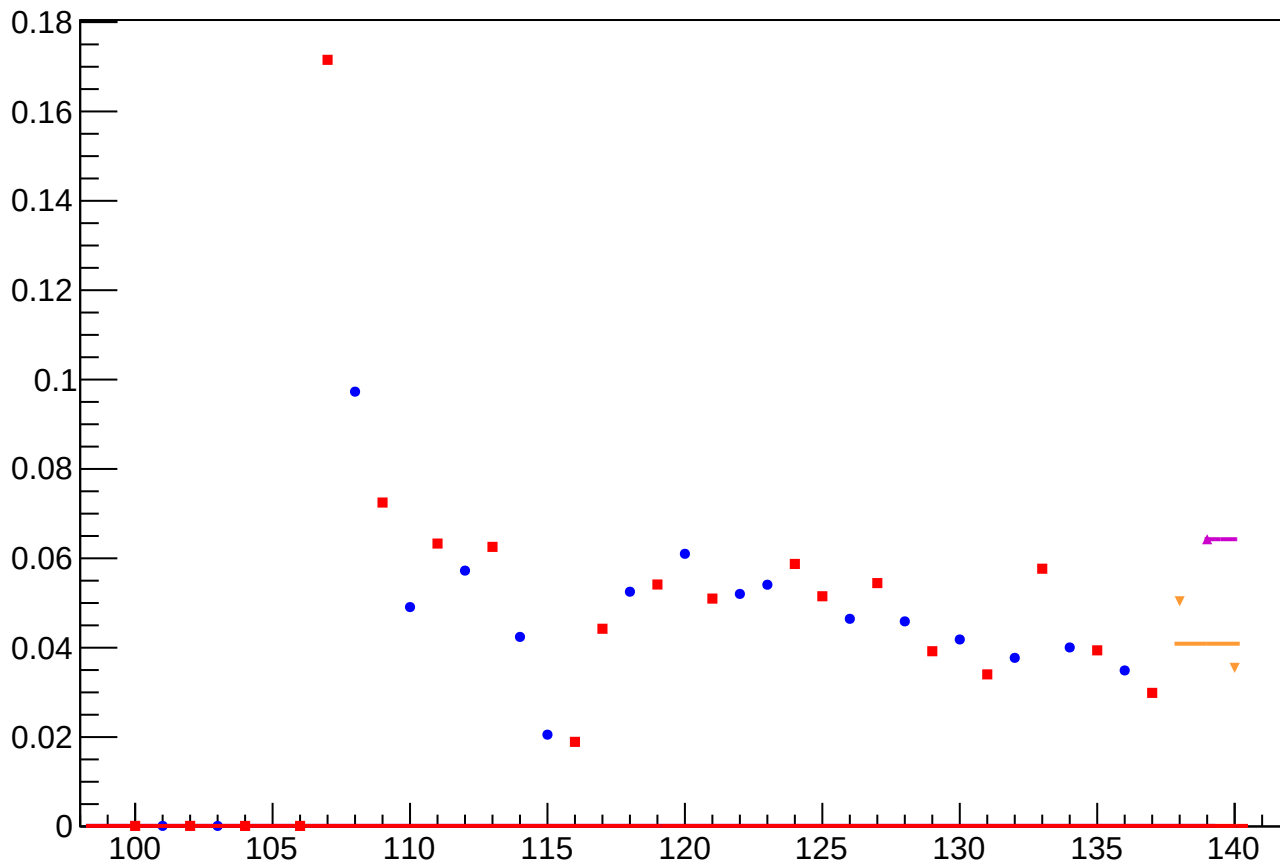
6.155+/-0.000 χ^2/NDF : 77613537171715

Right Out: 5.827+/-0.000 χ^2/NDF : 755964092355063.0/19

5.827+/-0.000 χ^2/NDF : 755971314050729.2/20

Left In: -0.709+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.041+/-0.000 χ^2/NDF : 67983.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

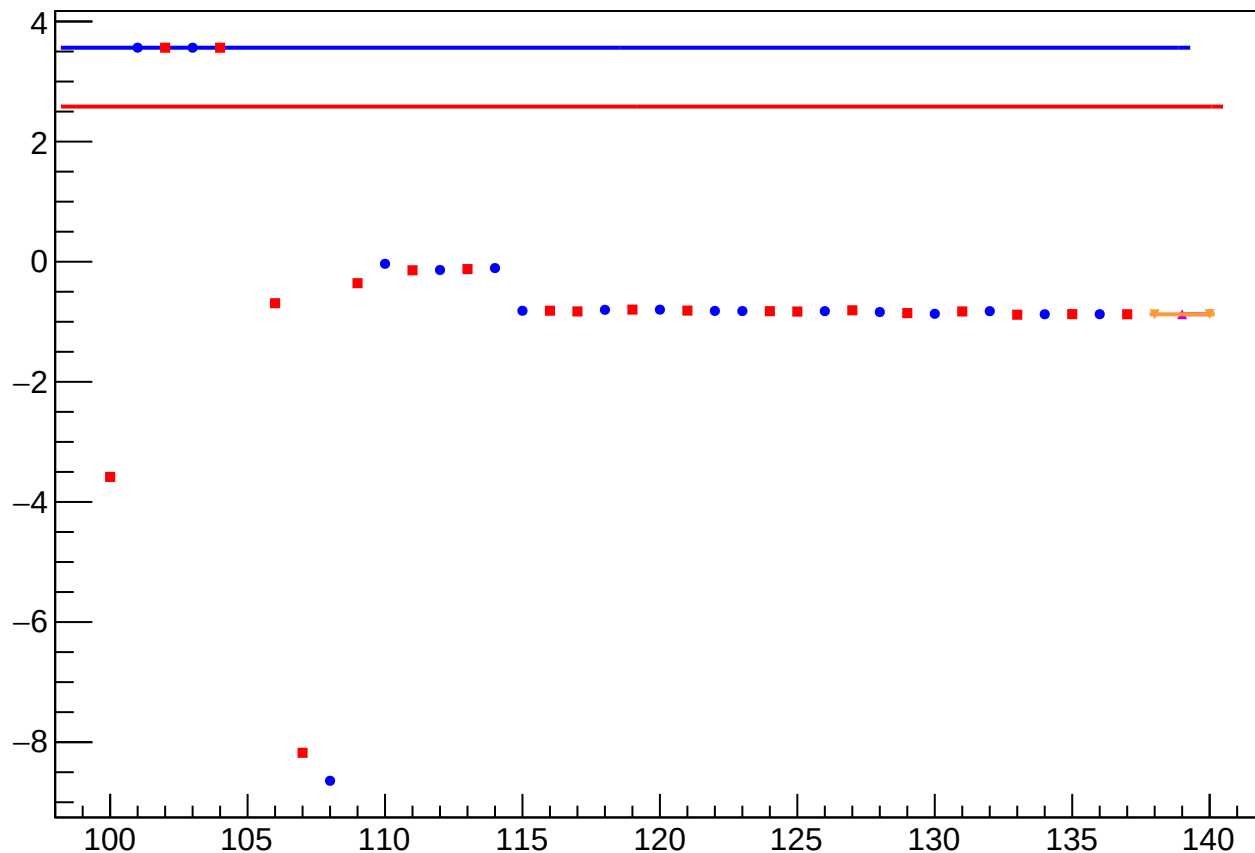
Left In: 0.064+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 11157049.6/18

0.000+/-0.000 χ^2/NDF : 21978069.4/39

0.000+/-0.000 χ^2/NDF : 10820707.2/20

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.876+/-0.000 χ^2/NDF : 82388.5/1

Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

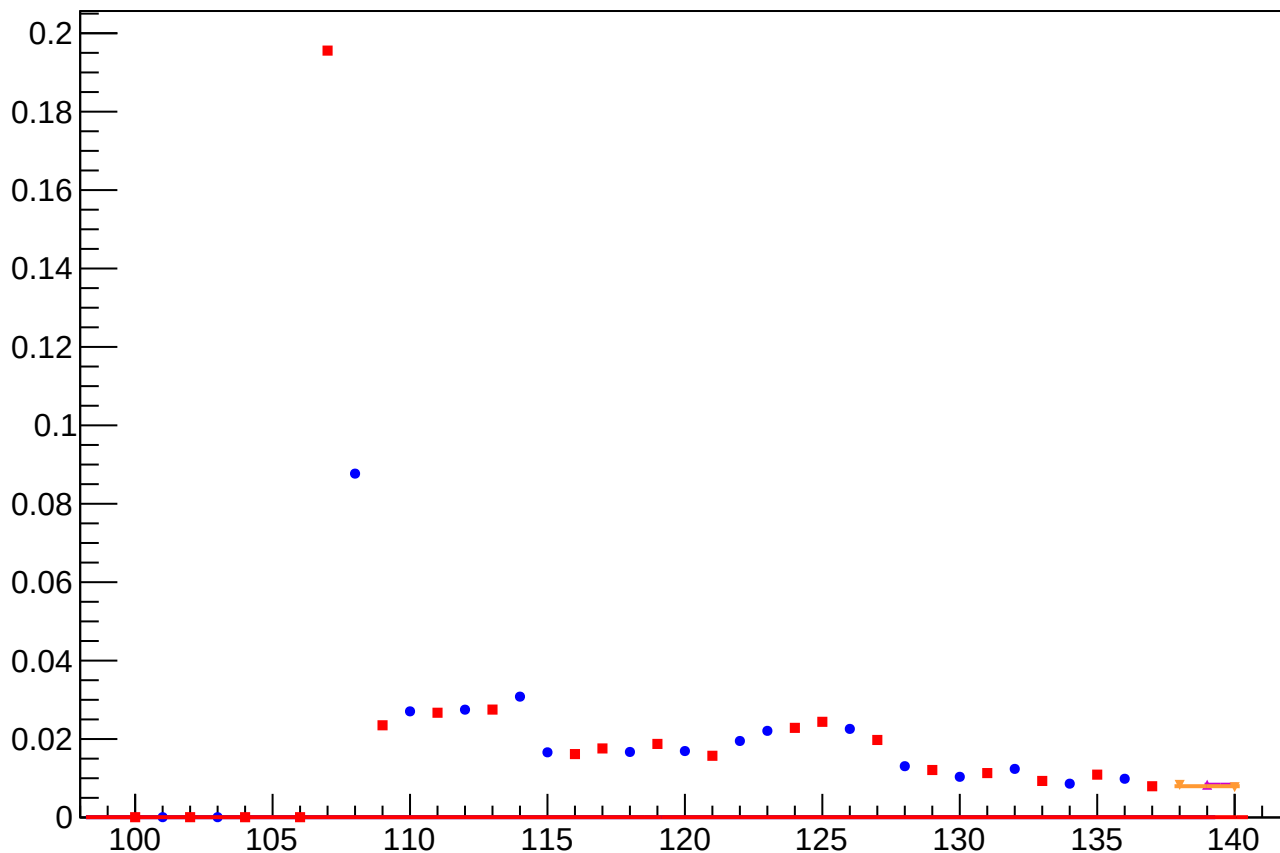
Left In: -0.874+/-0.000 χ^2/NDF : 0.0/0

3.563+/-0.000 χ^2/NDF : 934164041568.5/18

3.040+/-0.000 χ^2/NDF : 13827650762668

2.583+/-0.000 χ^2/NDF : 1253625489330605.5/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.008+/-0.000 χ^2/NDF : 3896.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

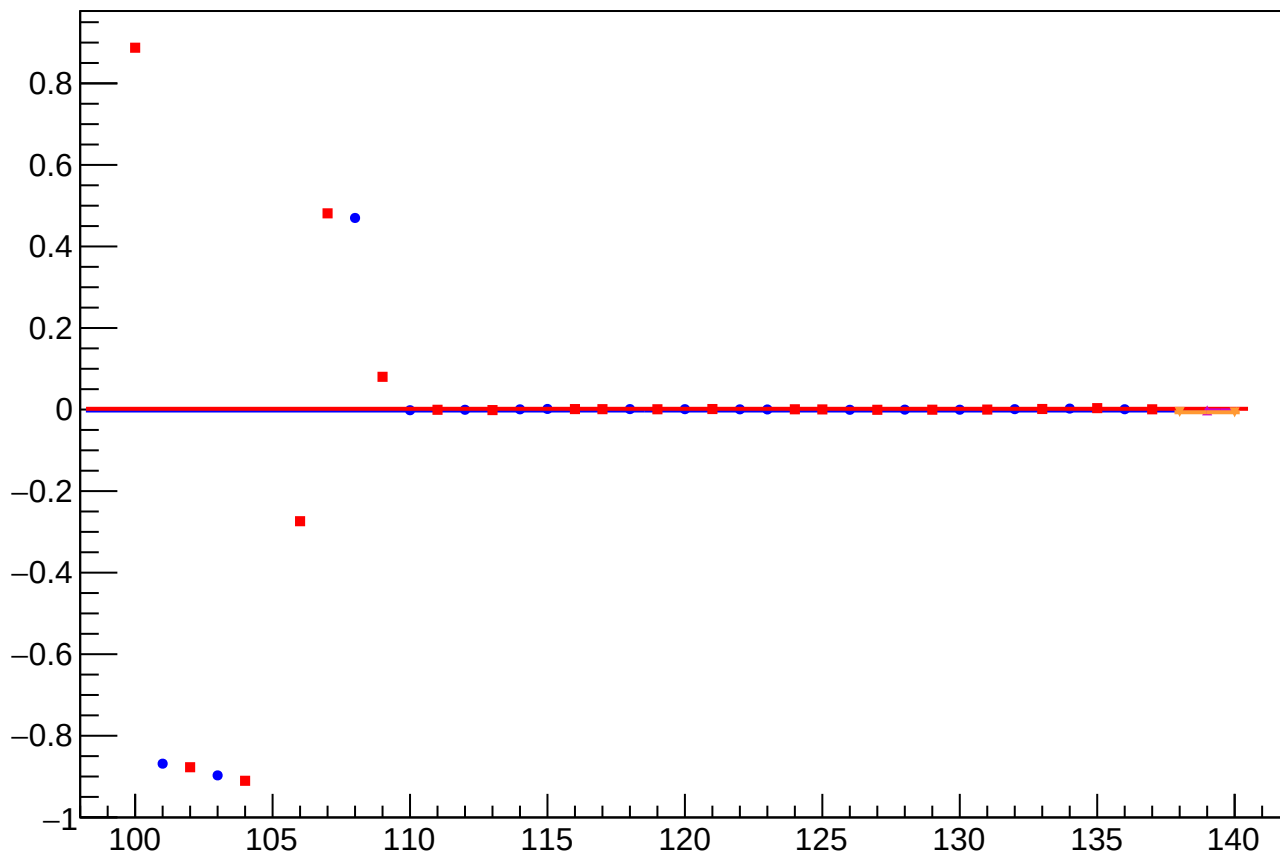
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 12595619.0/18

0.000+/-0.000 χ^2/NDF : 23934608.6/39

0.000+/-0.000 χ^2/NDF : 11338439.1/20

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.007+/-0.000 χ^2/NDF : 78072.0/1

Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

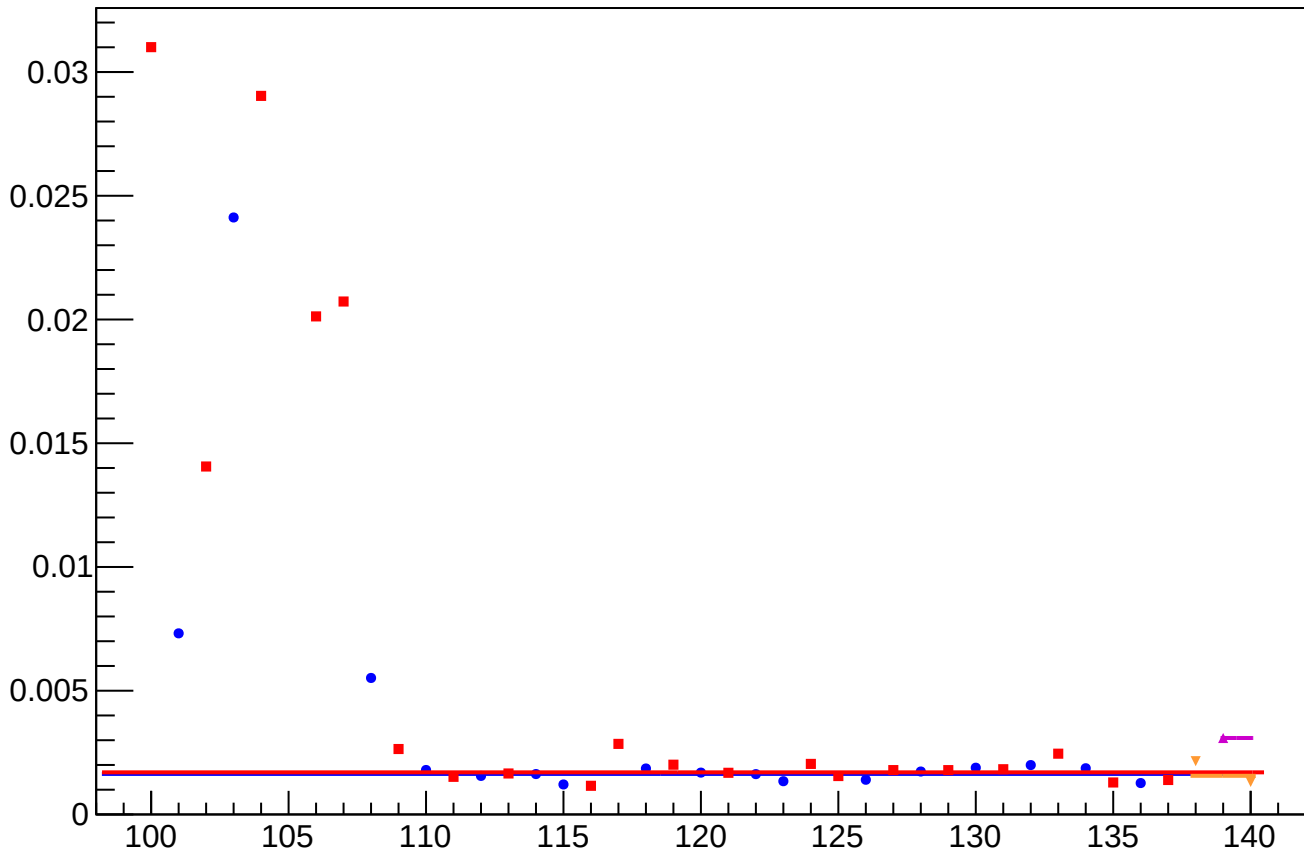
Left In: -0.002+/-0.000 χ^2/NDF : 0.0/0

-0.003+/-0.000 χ^2/NDF : 9801232310.2/18

-0.001+/-0.000 χ^2/NDF : 12865639492.4/3

0.002+/-0.000 χ^2/NDF : 3042354890.2/20

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:127324.3/1

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3037006.7/19

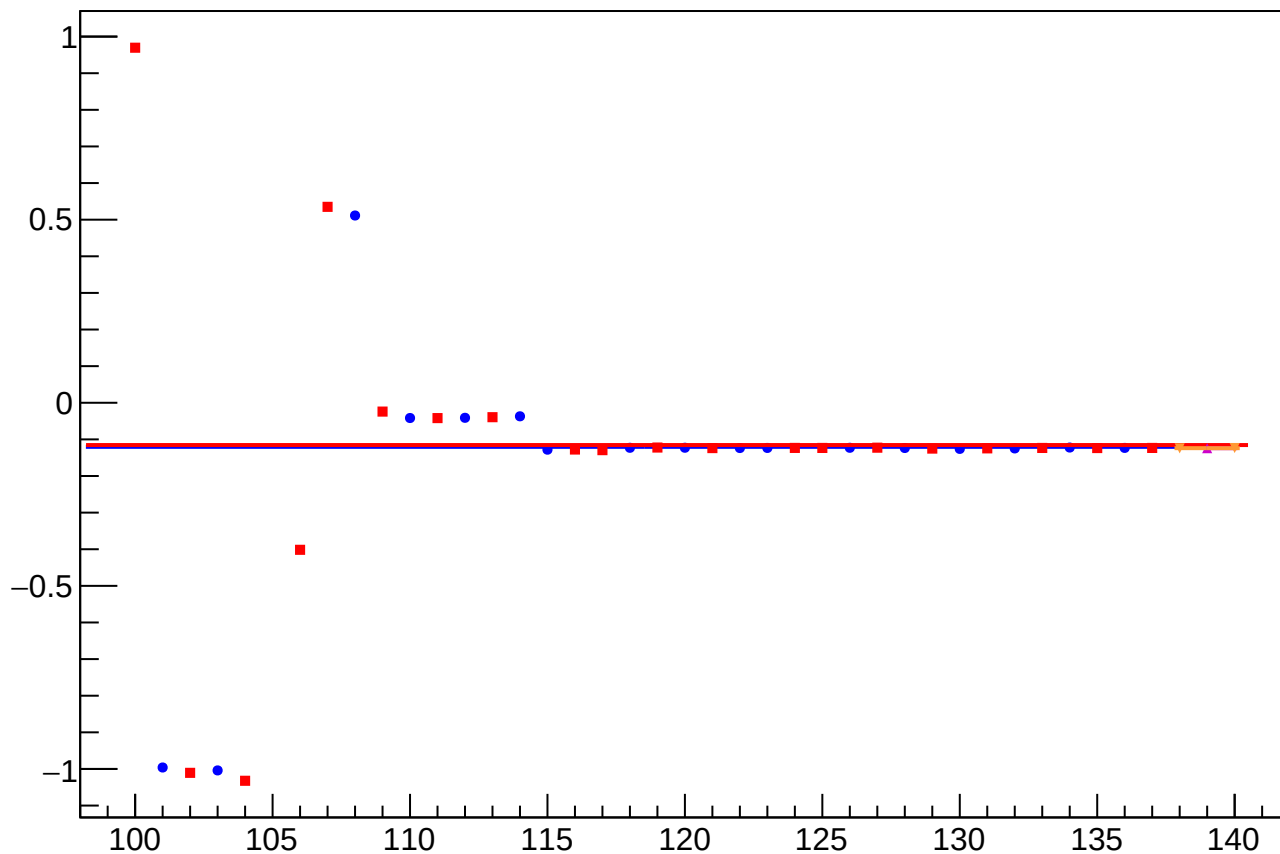
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.002 $\pm$ 0.000 χ^2 /NDF: 2047688.8/18

0.002 $\pm$ 0.000 χ^2 /NDF: 5399885.7/39

0.002 $\pm$ 0.000 χ^2 /NDF: 3314292.7/20

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.124+/-0.000 χ^2/NDF :127885.8/1

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

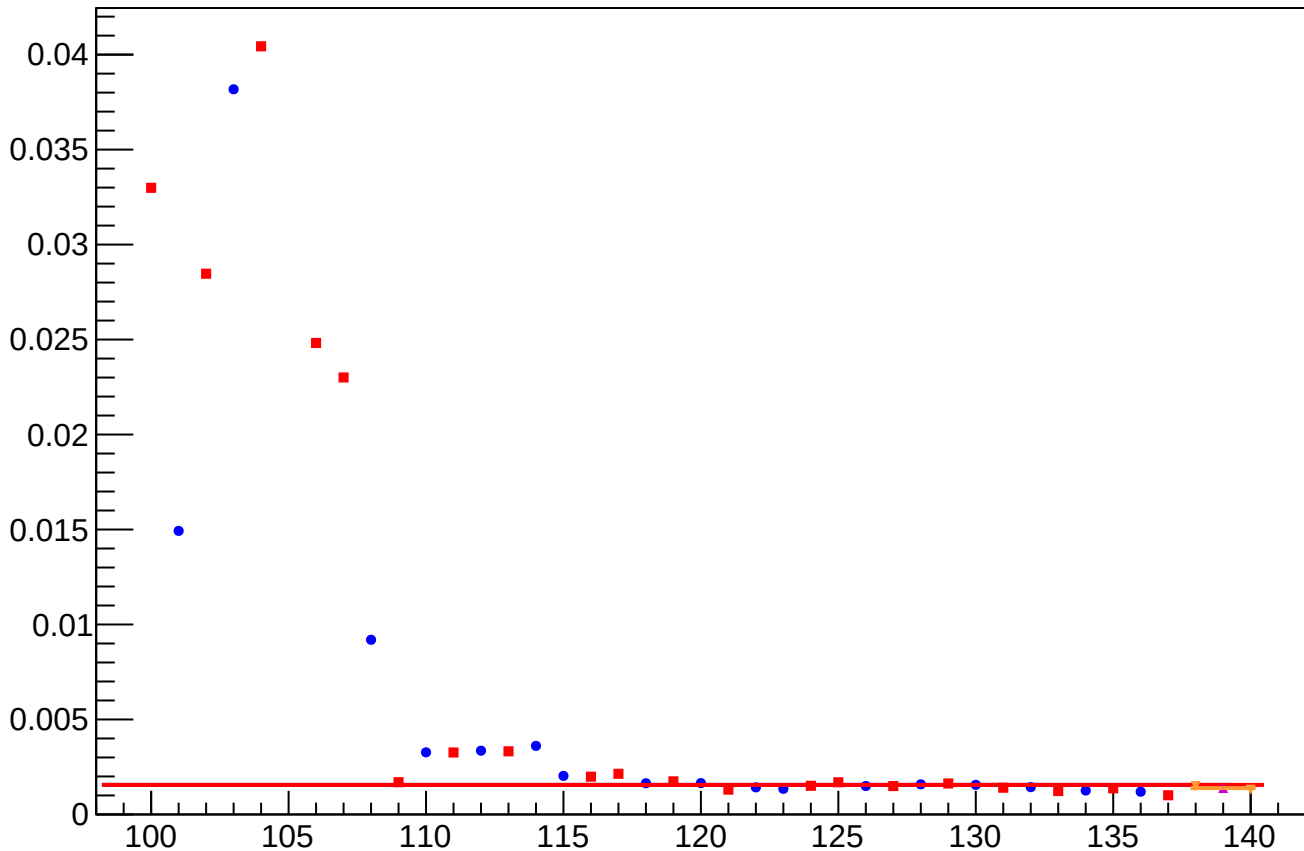
Left In: -0.124+/-0.000 χ^2/NDF :0.0/0

-0.121+/-0.000 χ^2/NDF : 3938899070.0/18

-0.119+/-0.000 χ^2/NDF : 6442454355.2/30

-0.117+/-0.000 χ^2/NDF : 2478942030.8/20

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:12276.6/1

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3545212.9/19

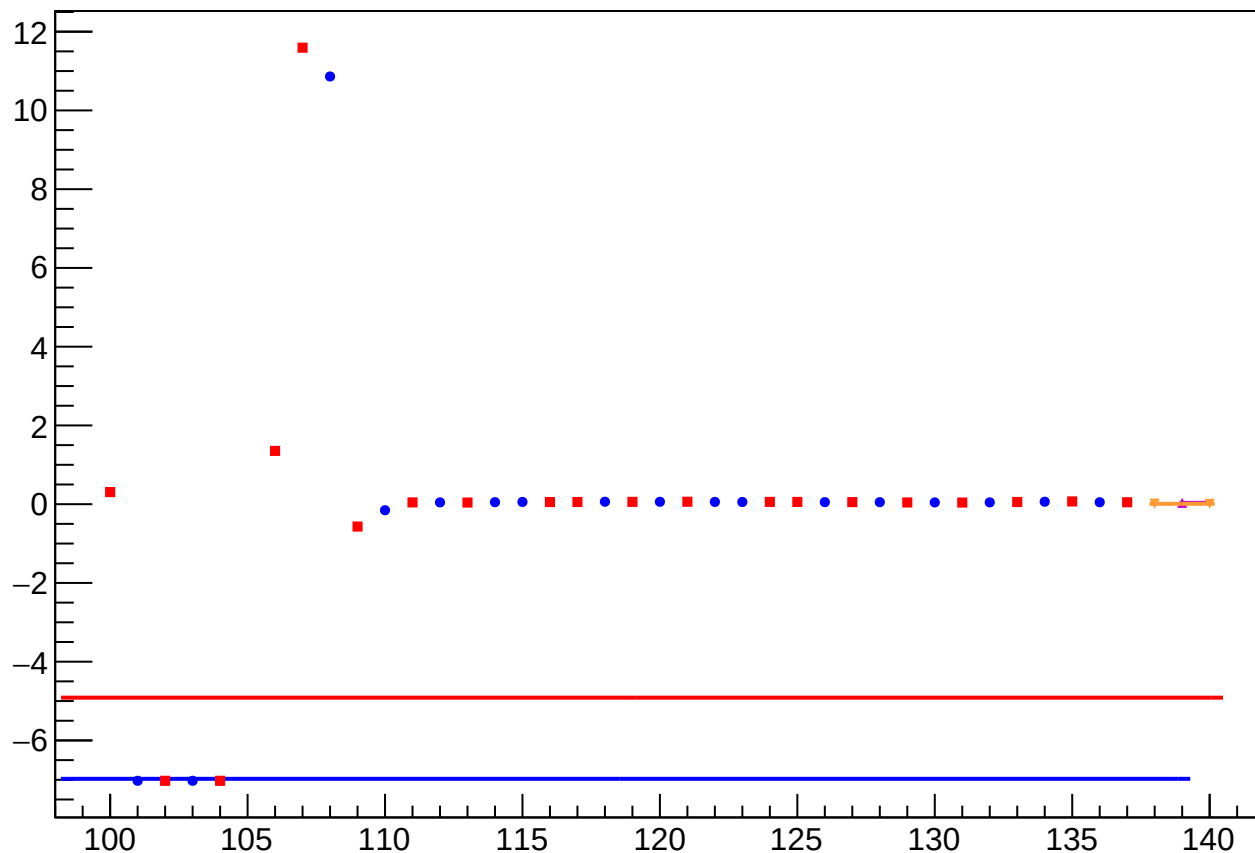
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.002 $\pm$ 0.000 χ^2 /NDF: 2942185.5/18

0.002 $\pm$ 0.000 χ^2 /NDF: 6502862.6/39

0.002 $\pm$ 0.000 χ^2 /NDF: 3559806.4/20

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.010+/-0.000 χ^2/NDF : 105685.0/1

Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

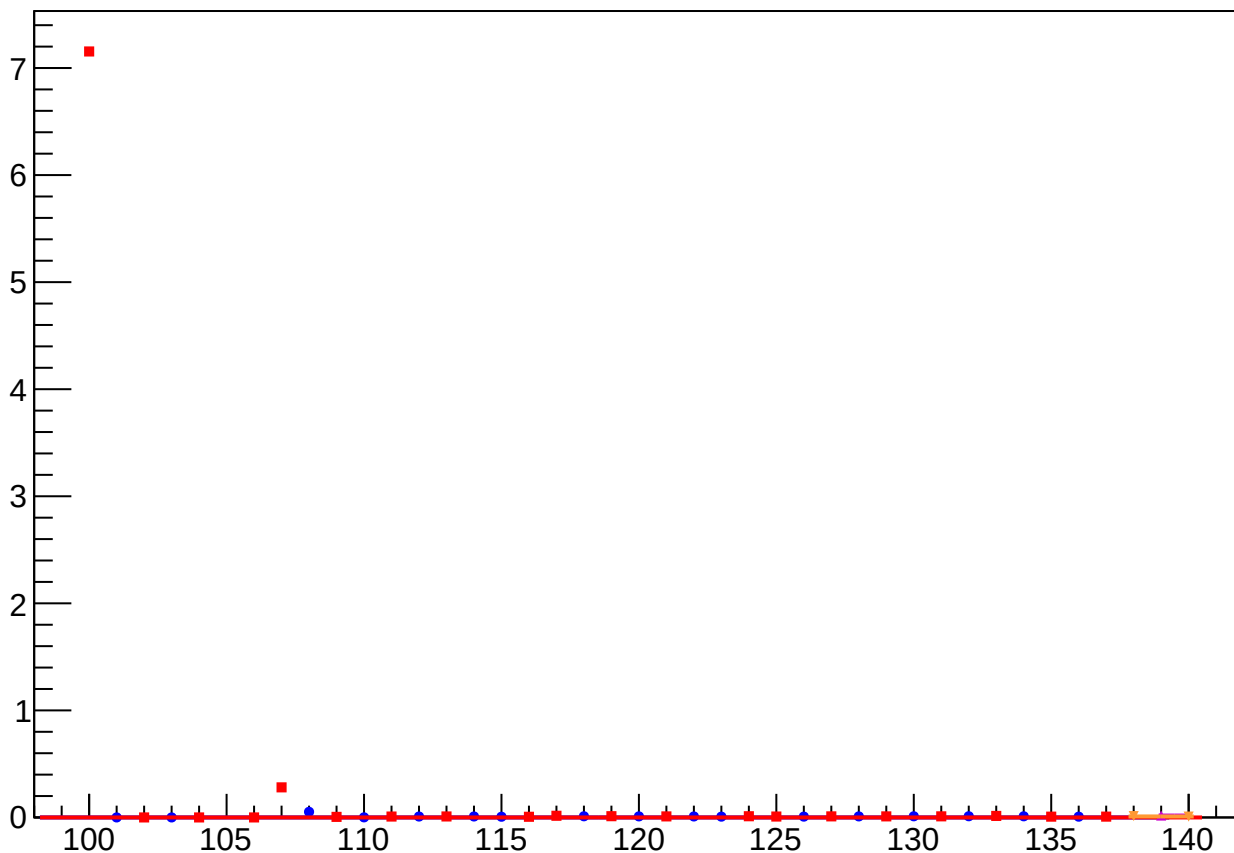
Left In: 0.034+/-0.000 χ^2/NDF : 0.0/0

-6.972+/-0.000 χ^2/NDF : 9332759324069.8/18

-5.898+/-0.000 χ^2/NDF : 43081049133469.8/18

-4.913+/-0.000 χ^2/NDF : 365417394287042.7/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.010+/-0.000 χ^2/NDF :106907.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

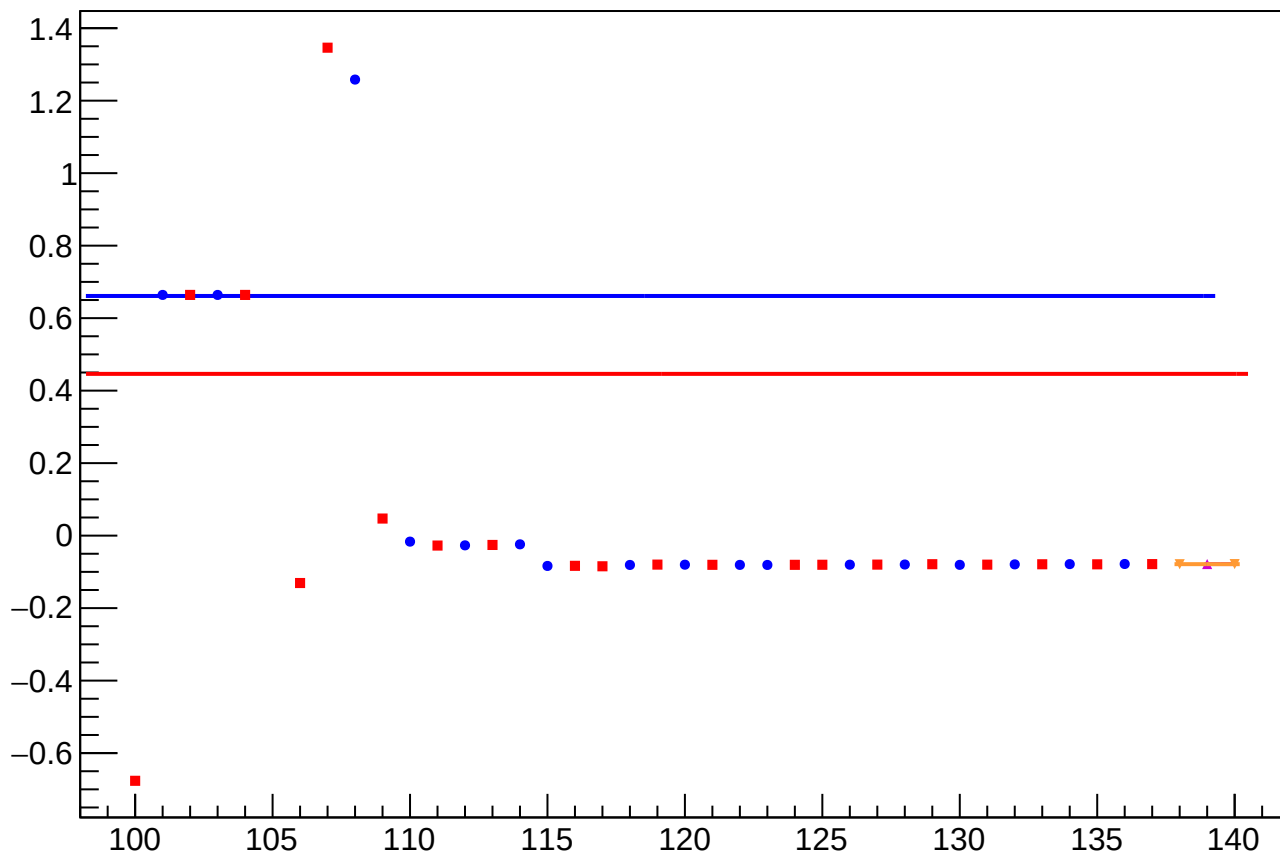
Left In: 0.018+/-0.000 χ^2/NDF :0.0/0

0.000+/-0.000 χ^2/NDF : 10433416.3/18

0.000+/-0.000 χ^2/NDF : 20698135.3/39

0.000+/-0.000 χ^2/NDF : 10263712.9/20

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.079+/-0.000 χ^2/NDF : 96463.0/1

Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

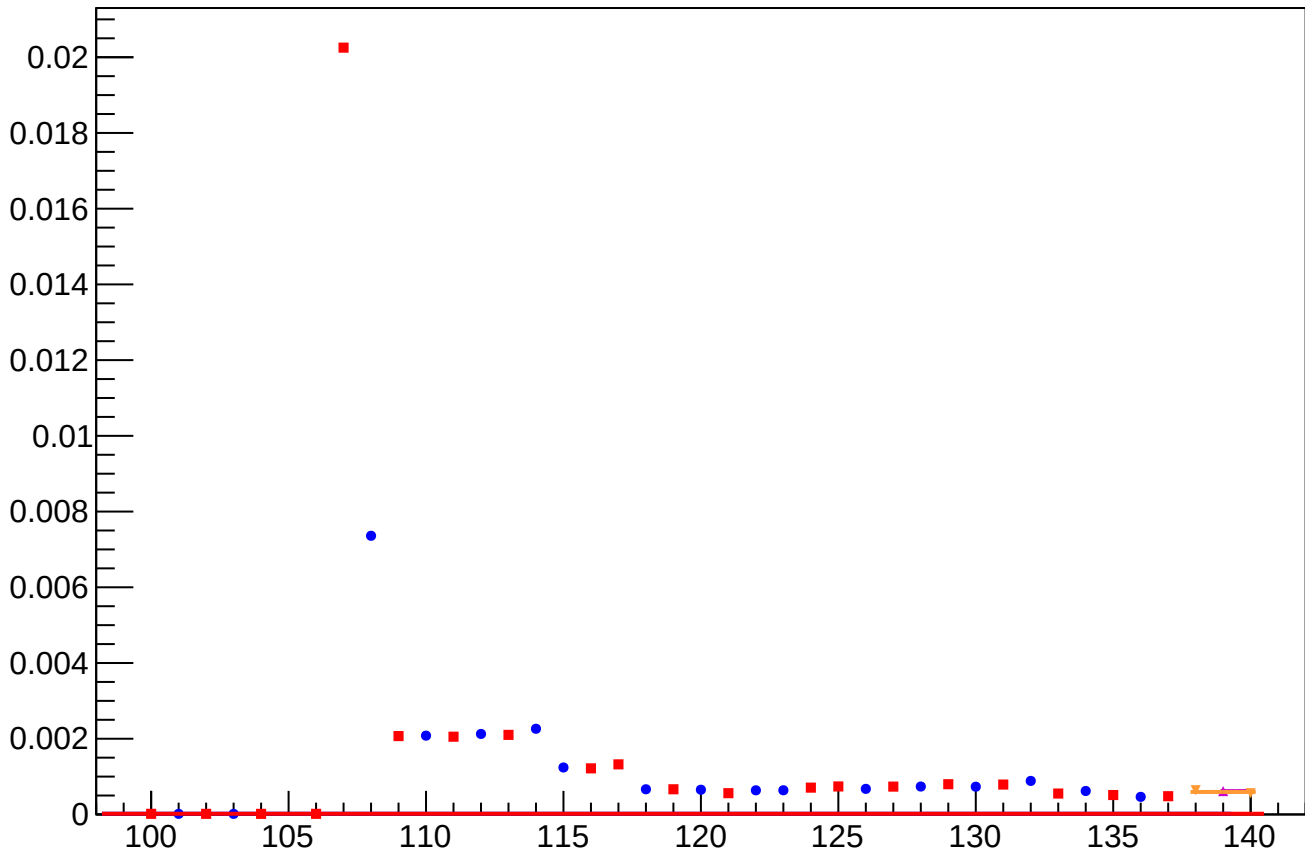
Left In: -0.078+/-0.000 χ^2/NDF : 0.0/0

0.660+/-0.000 χ^2/NDF : 7814063059593.4/18

0.548+/-0.000 χ^2/NDF : 47626907472013

0.446+/-0.000 χ^2/NDF : 405930246226252.9/20

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 :12342.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

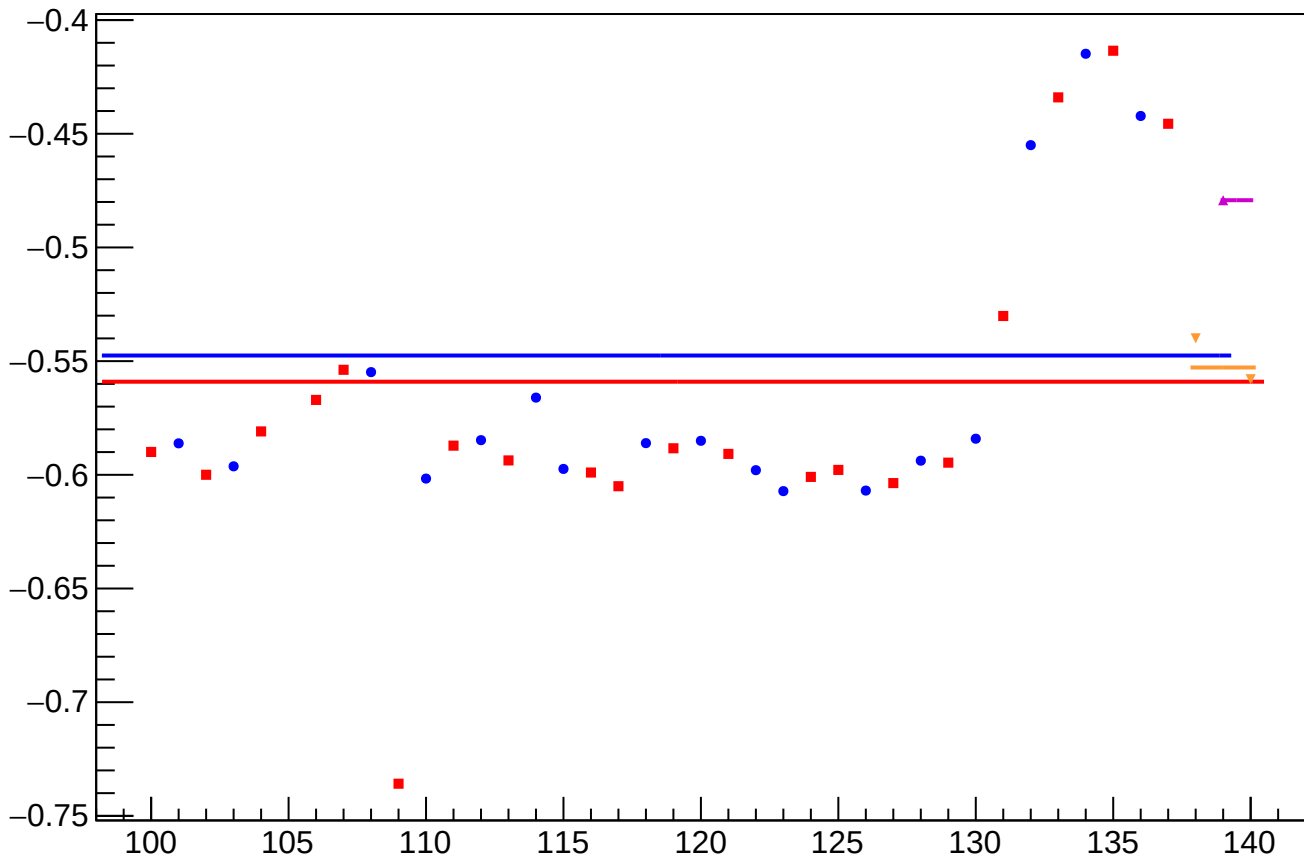
Left In: 0.001+/-0.000 χ^2/NDF :0.0/0

0.000+/-0.000 χ^2/NDF : 12561212.3/18

0.000+/-0.000 χ^2/NDF : 23437274.8/39

0.000+/-0.000 χ^2/NDF : 10875244.2/20

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.553+/-0.000 χ^2/NDF : 172405.9/1

Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

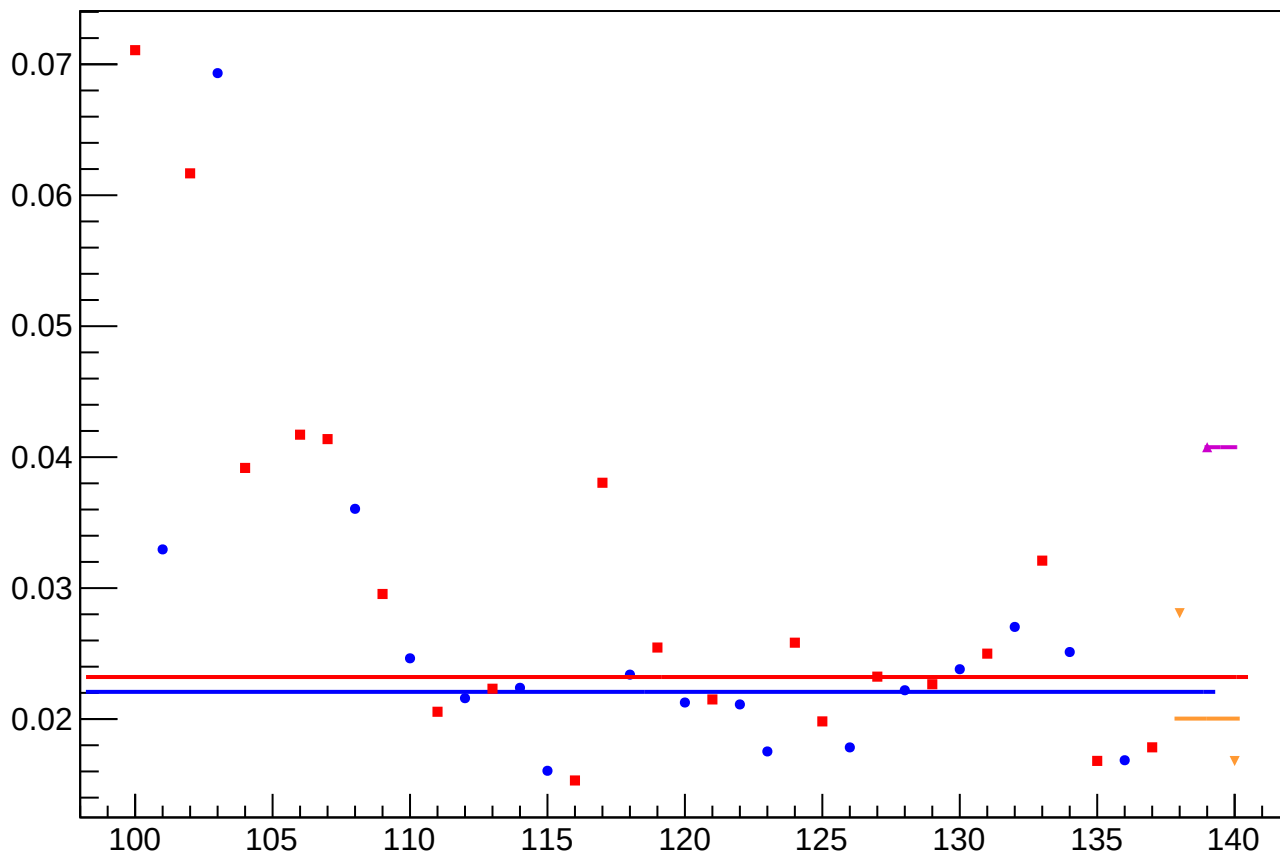
Left In: -0.479+/-0.000 χ^2/NDF : 0.0/0

-0.549+/-0.000 χ^2/NDF : 48775396.8/18

-0.552+/-0.000 χ^2/NDF : 117106676.5/39

-0.556+/-0.000 χ^2/NDF : 68039263.9/20

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 136065.6/1

Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

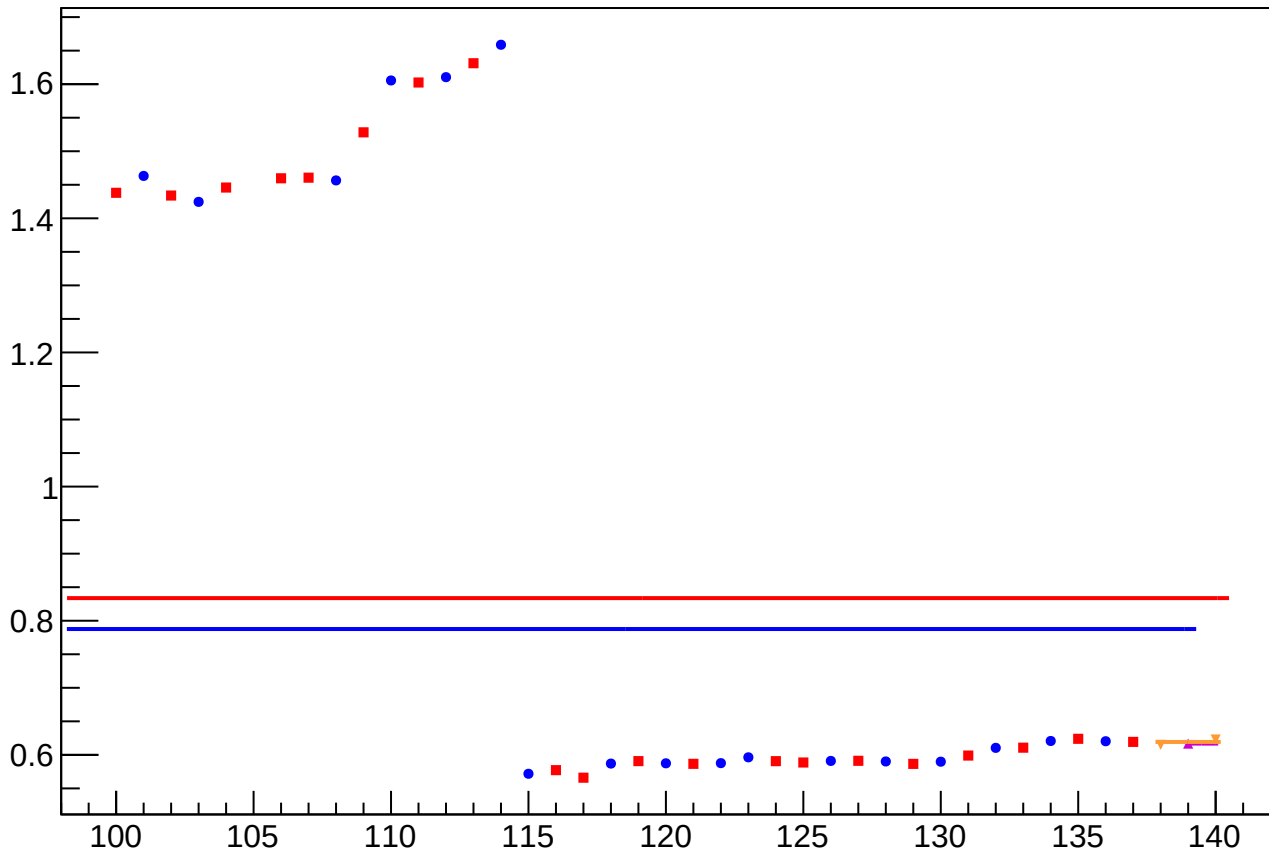
Left In: 0.041+/-0.000 χ^2/NDF : 0.0/0

0.022+/-0.000 χ^2/NDF : 1108210.6/18

0.023+/-0.000 χ^2/NDF : 2593202.5/39

0.024+/-0.000 χ^2/NDF : 1425175.9/20

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.619 $\pm$ 0.000 χ^2 /NDF:168503.5/1

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4155673215.9/19

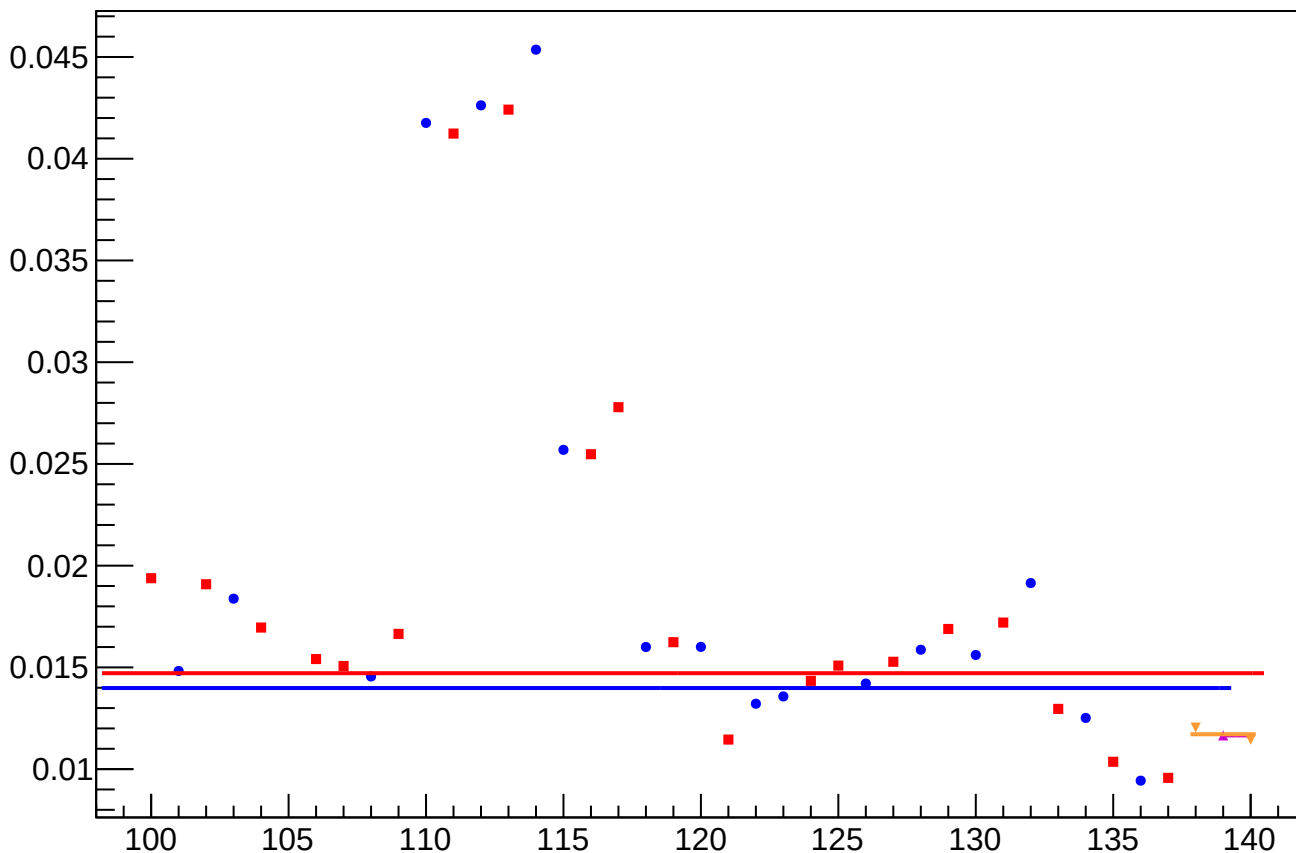
Left In: 0.617 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.742 $\pm$ 0.000 χ^2 /NDF: 3801103513.2/18

0.768 $\pm$ 0.000 χ^2 /NDF: 8223547896.4/39

0.799 $\pm$ 0.000 χ^2 /NDF: 4363928686.6/20

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1882.1/1

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1275472.3/19

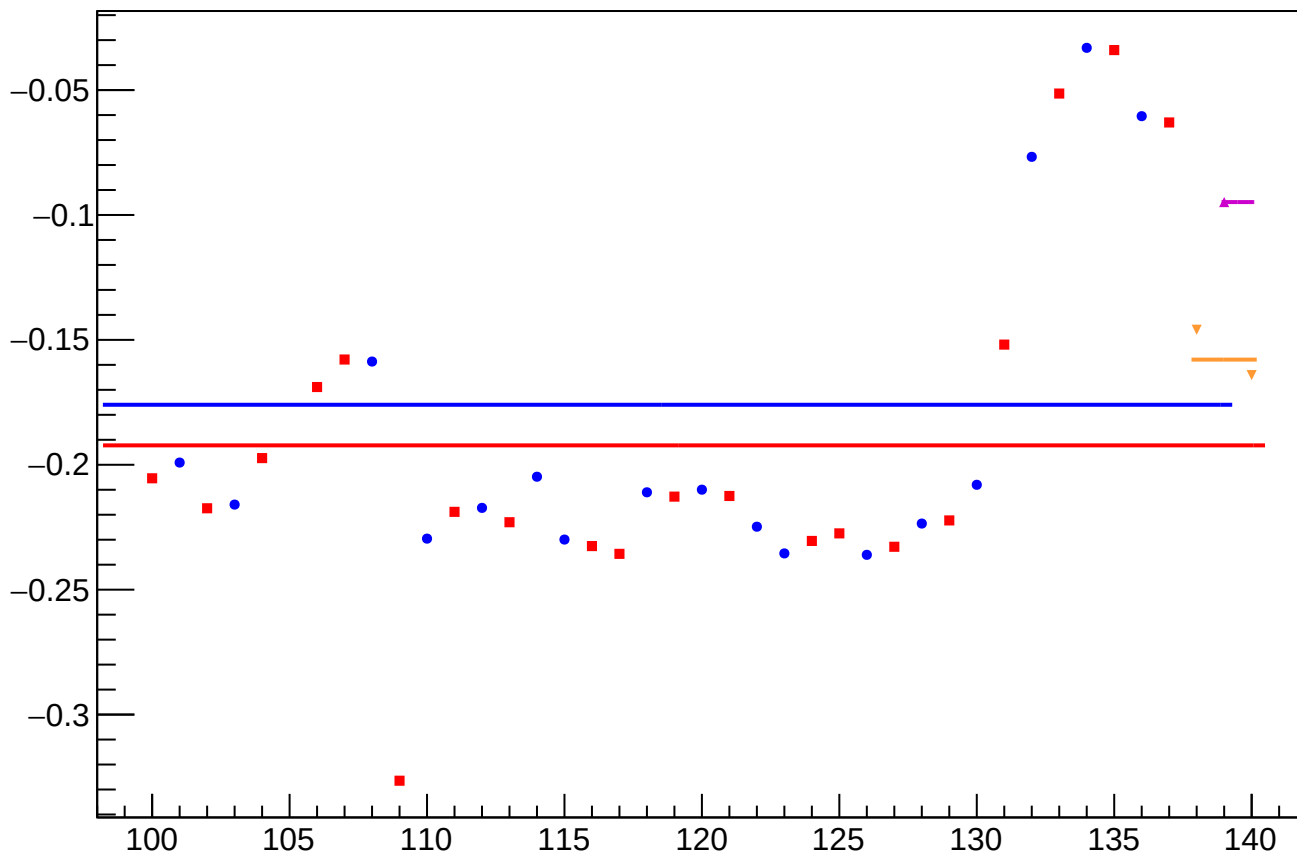
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.013 $\pm$ 0.000 χ^2 /NDF: 1480322.5/18

0.014 $\pm$ 0.000 χ^2 /NDF: 2864937.6/39

0.014 $\pm$ 0.000 χ^2 /NDF: 1358241.9/20

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.158+/-0.000 χ^2/NDF : 177010.0/1

Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

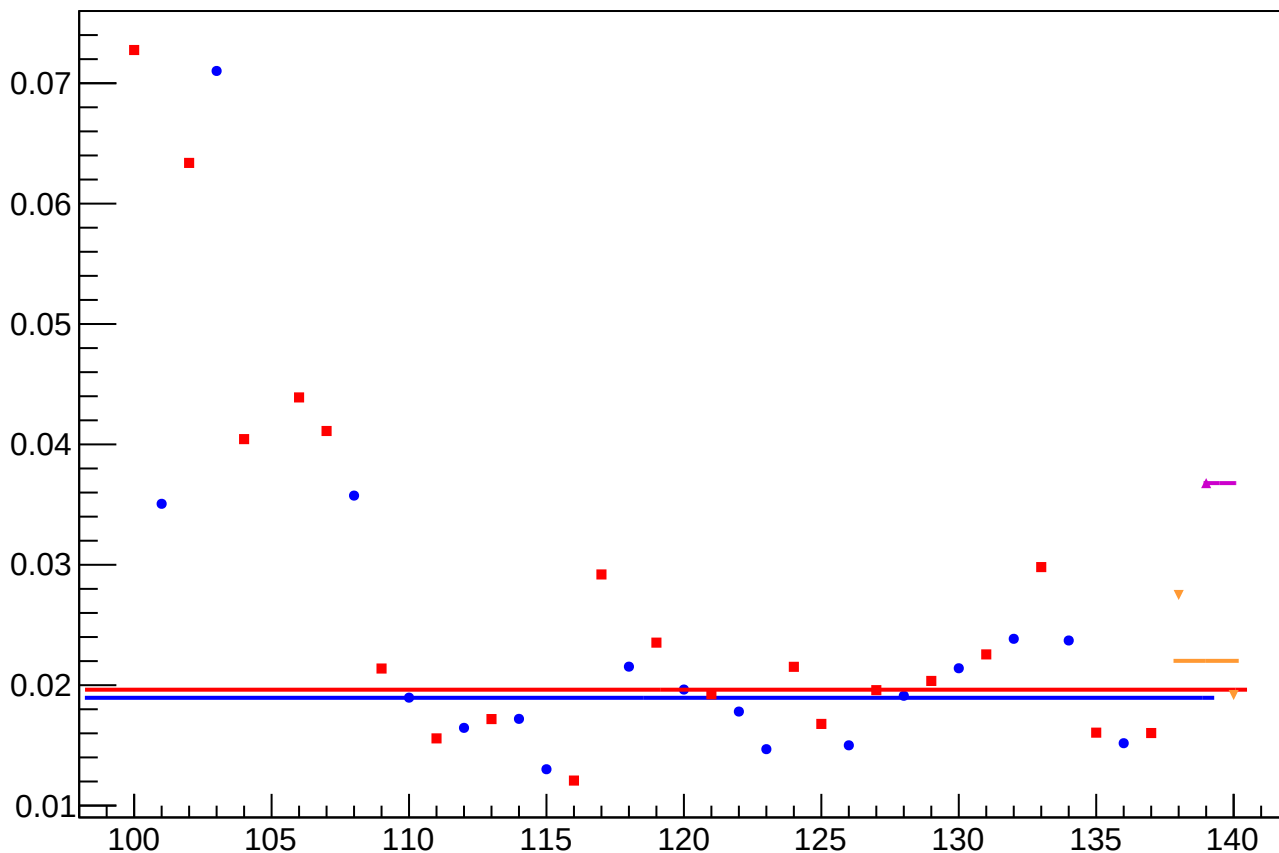
Left In: -0.095+/-0.000 χ^2/NDF : 0.0/0

-0.173+/-0.000 χ^2/NDF : 70962950.5/18

-0.180+/-0.000 χ^2/NDF : 160910609.7/39

-0.189+/-0.000 χ^2/NDF : 88198586.0/20

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.022+/-0.000 χ^2/NDF : 74139.0/1

Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

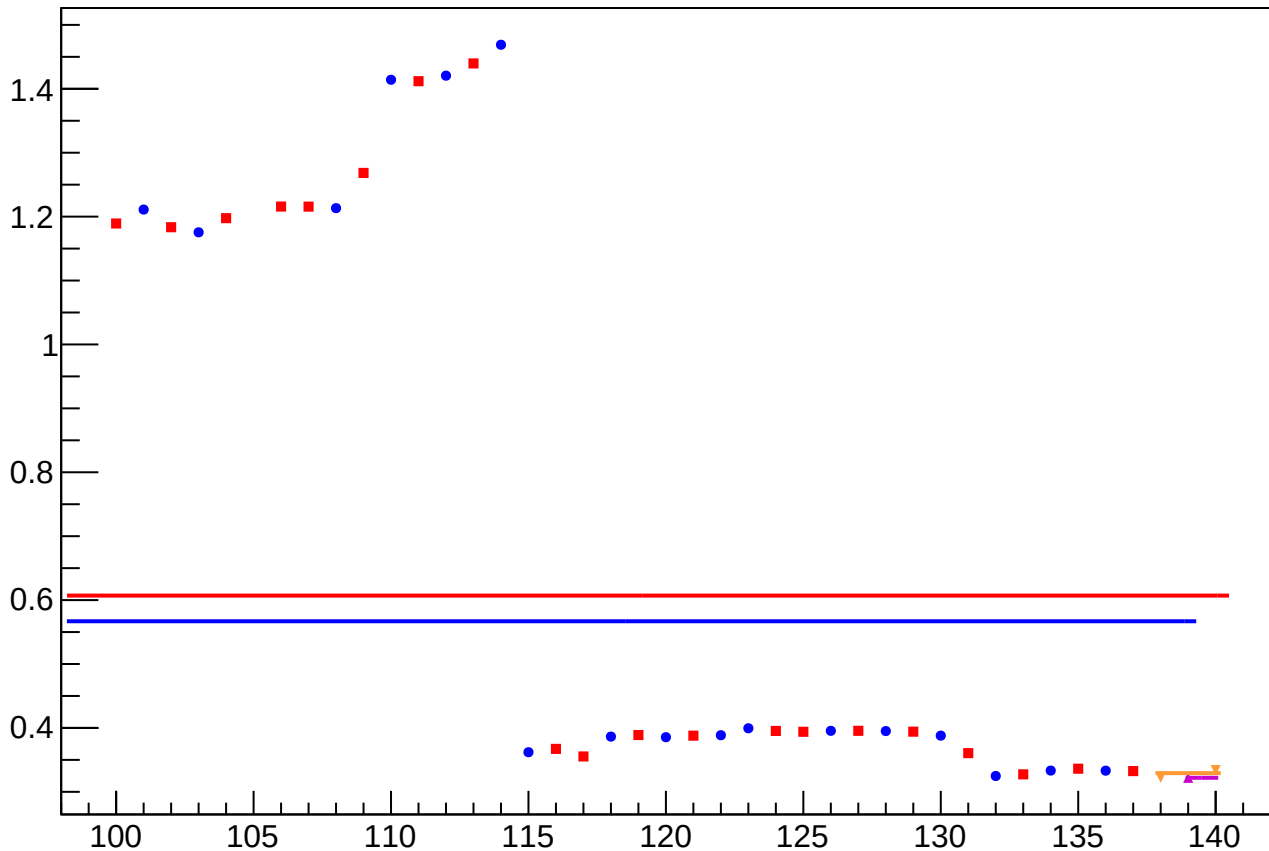
Left In: 0.037+/-0.000 χ^2/NDF : 0.0/0

0.019+/-0.000 χ^2/NDF : 1315738.5/18

0.020+/-0.000 χ^2/NDF : 3092517.8/39

0.020+/-0.000 χ^2/NDF : 1765430.5/20

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.329 $\pm$ 0.000 χ^2 /NDF:330204.0/1

0.519 $\pm$ 0.000 χ^2 /NDF: 5451559423.9/18

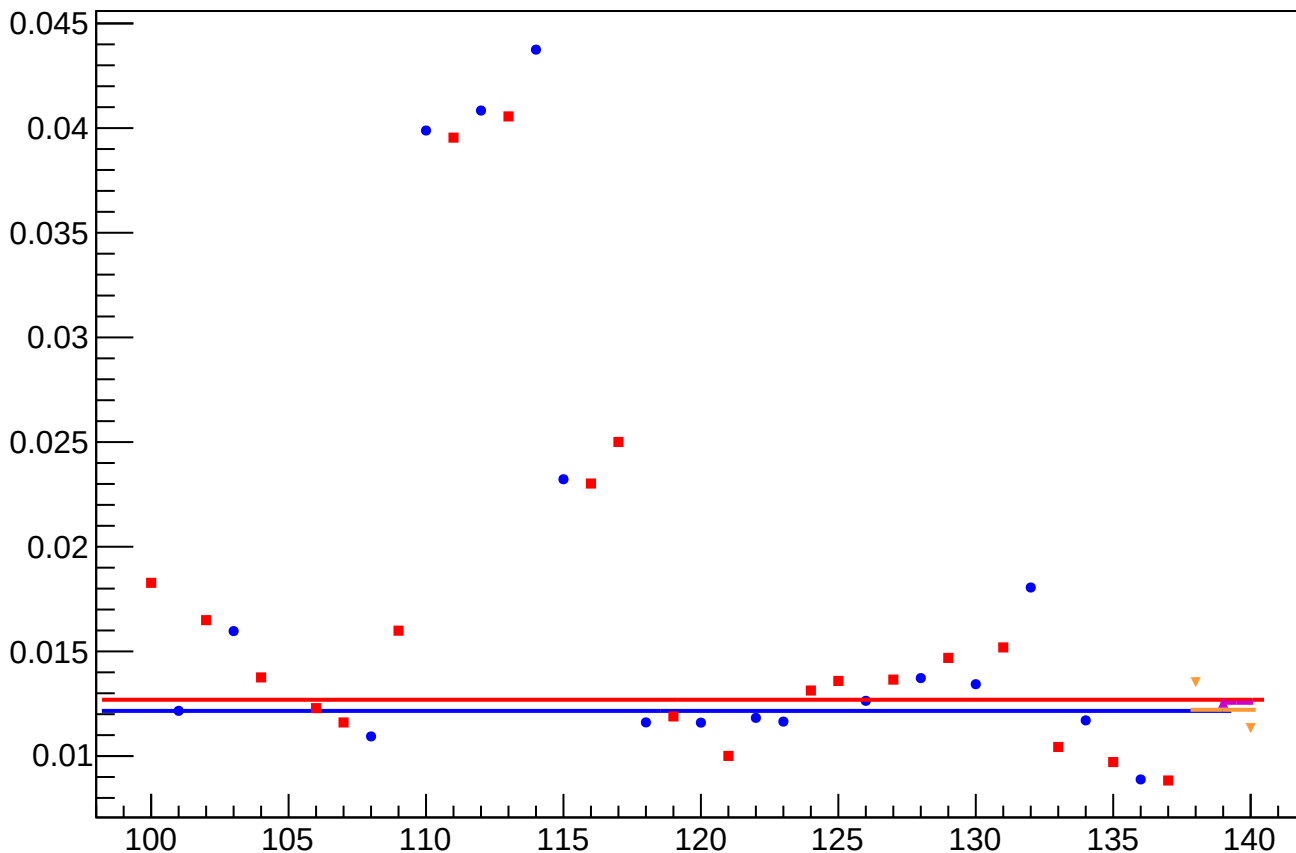
0.545 $\pm$ 0.000 χ^2 /NDF: 11358504251.6/3

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

0.576 $\pm$ 0.000 χ^2 /NDF: 5834348273.7/20

Left In: 0.322 $\pm$ 0.000 χ^2 /NDF:0.0/0

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:22253.7/1

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

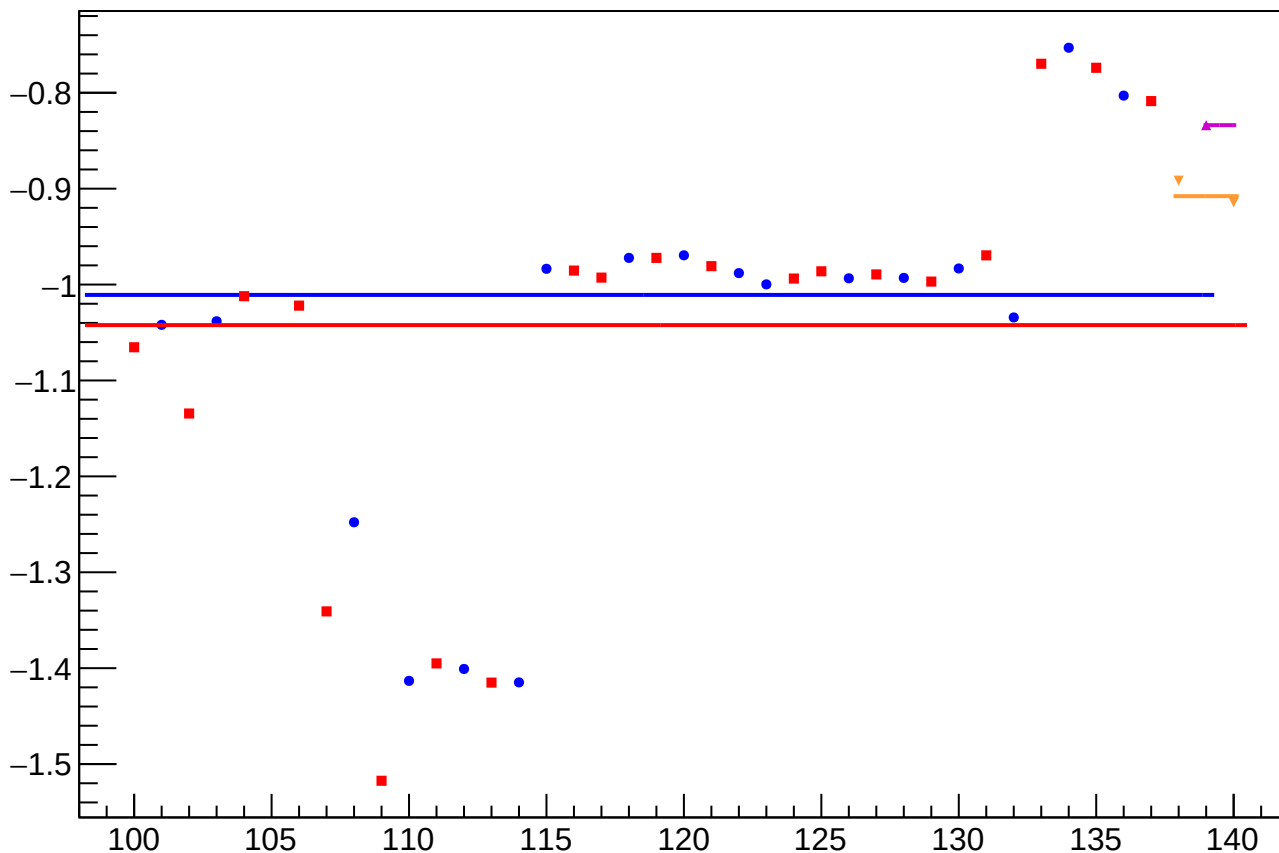
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.012 $\pm$ 0.000 χ^2 /NDF: 1330244.9/18

0.012 $\pm$ 0.000 χ^2 /NDF: 2627623.1/39

0.013 $\pm$ 0.000 χ^2 /NDF: 1286079.4/20

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2 /NDF: 387140230.3/16

Left Out: -0.908+/-0.000 χ^2 /NDF: 287841.1/1

Right Out: -1.042+/-0.000 χ^2 /NDF: 529028760.6/19

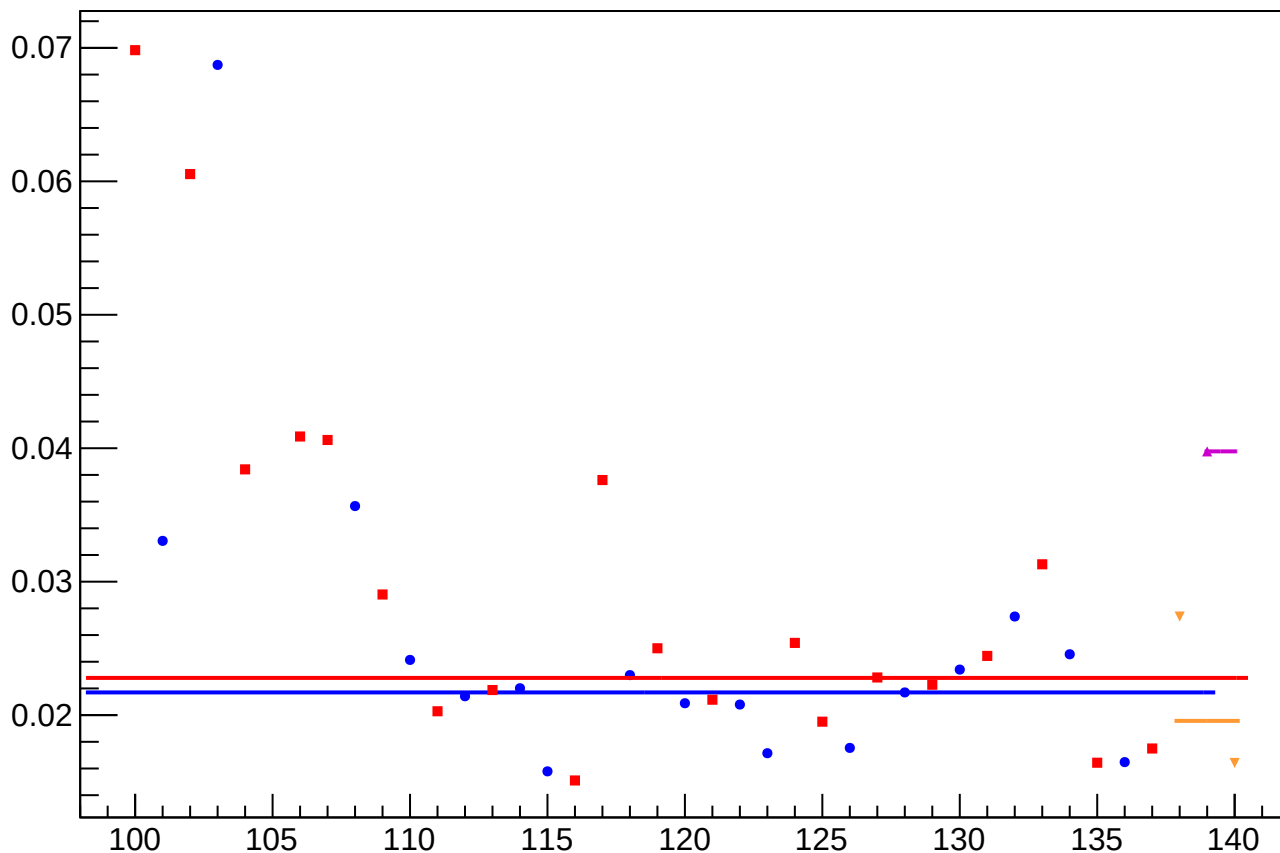
Left In: -0.834+/-0.000 χ^2 /NDF: 0.0/0

-0.990+/-0.000 χ^2 /NDF: 410533185.9/18

-1.009+/-0.000 χ^2 /NDF: 969907810.7/39

-1.033+/-0.000 χ^2 /NDF: 548010051.9/20

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 134967.1/1

Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

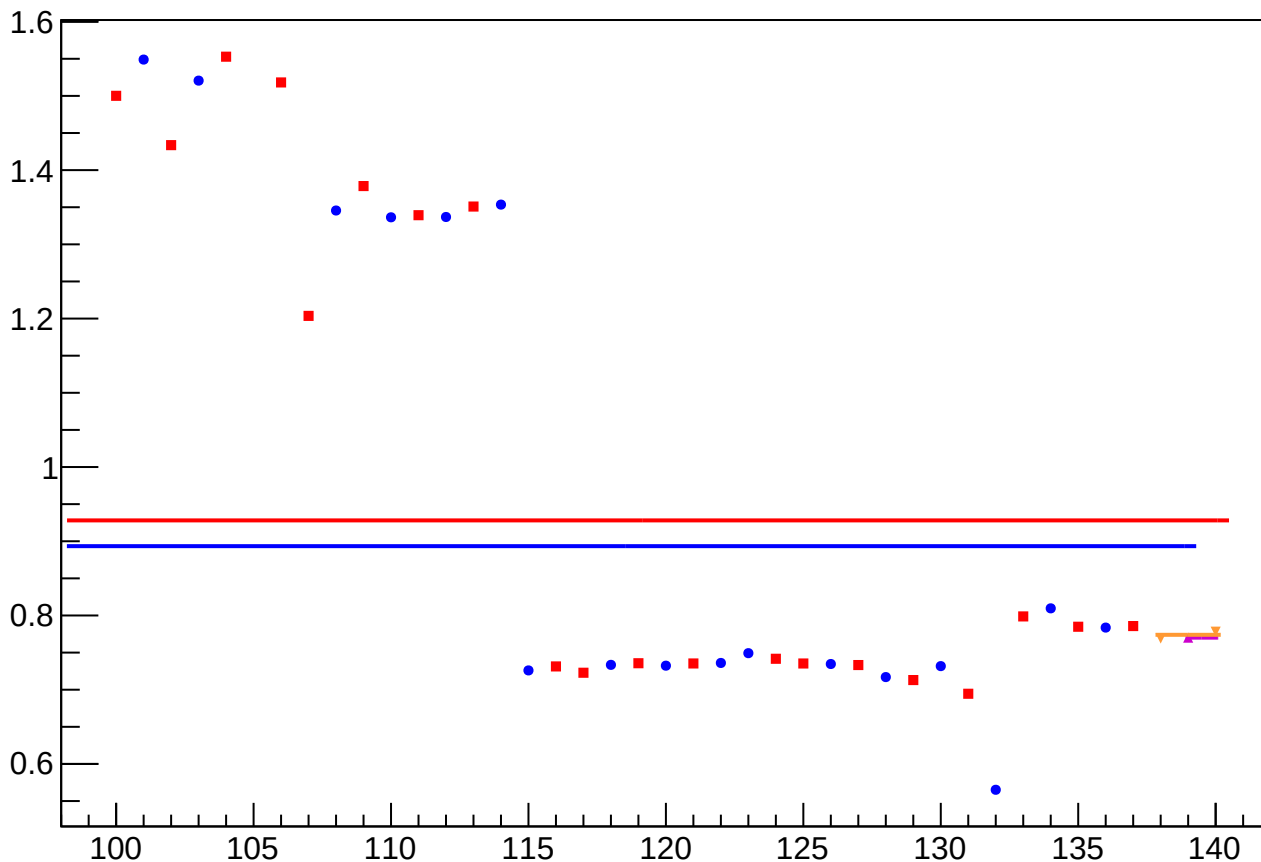
Left In: 0.040+/-0.000 χ^2/NDF : 0.0/0

0.021+/-0.000 χ^2/NDF : 1134062.2/18

0.022+/-0.000 χ^2/NDF : 2610633.1/39

0.024+/-0.000 χ^2/NDF : 1416538.7/20

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.774+/-0.000 χ^2/NDF :222928.7/1

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

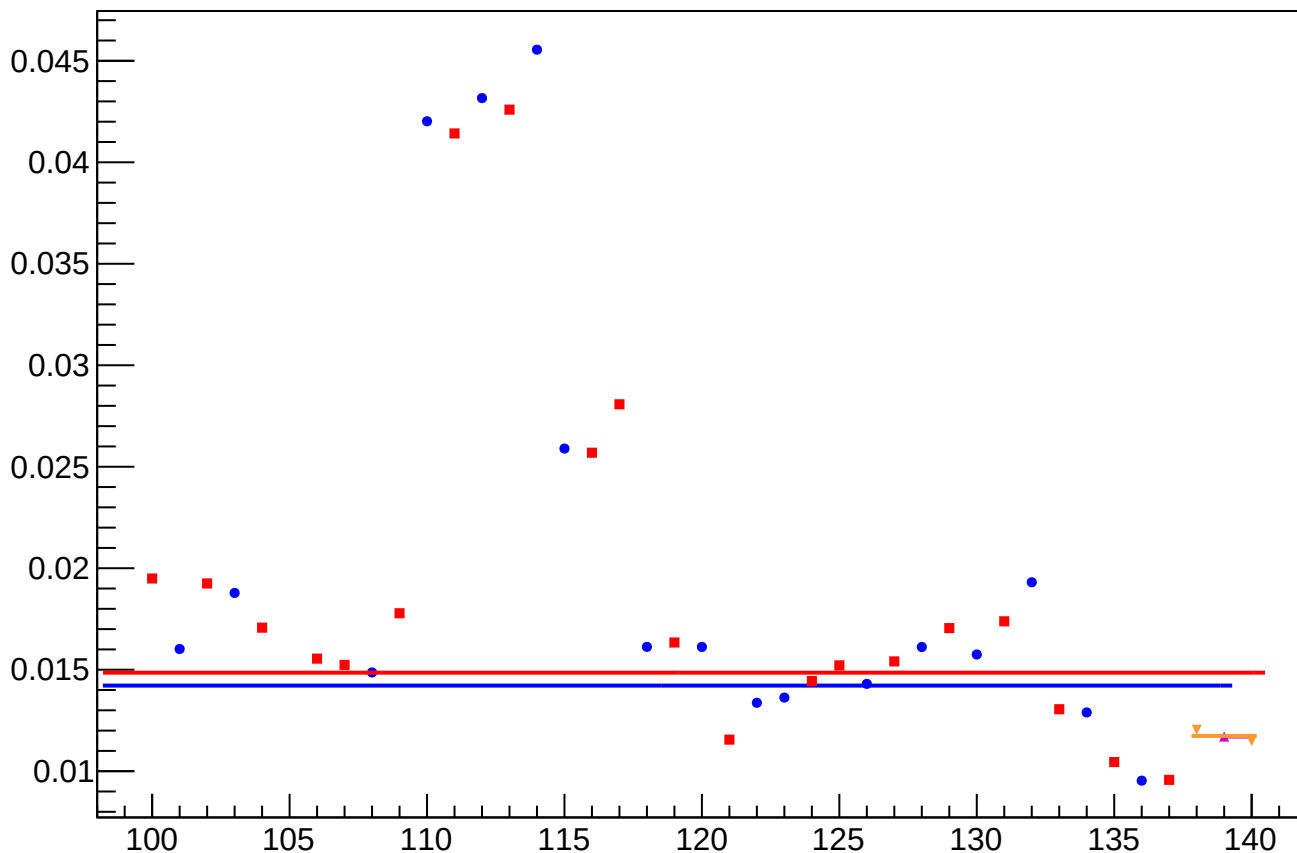
Left In: 0.770+/-0.000 χ^2/NDF :0.0/0

0.860+/-0.000 χ^2/NDF : 2517233136.9/18

0.880+/-0.000 χ^2/NDF : 5095560702.3/39

0.903+/-0.000 χ^2/NDF : 2546869436.5/20

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012+/-0.000 χ^2/NDF : 1602.1/1

Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

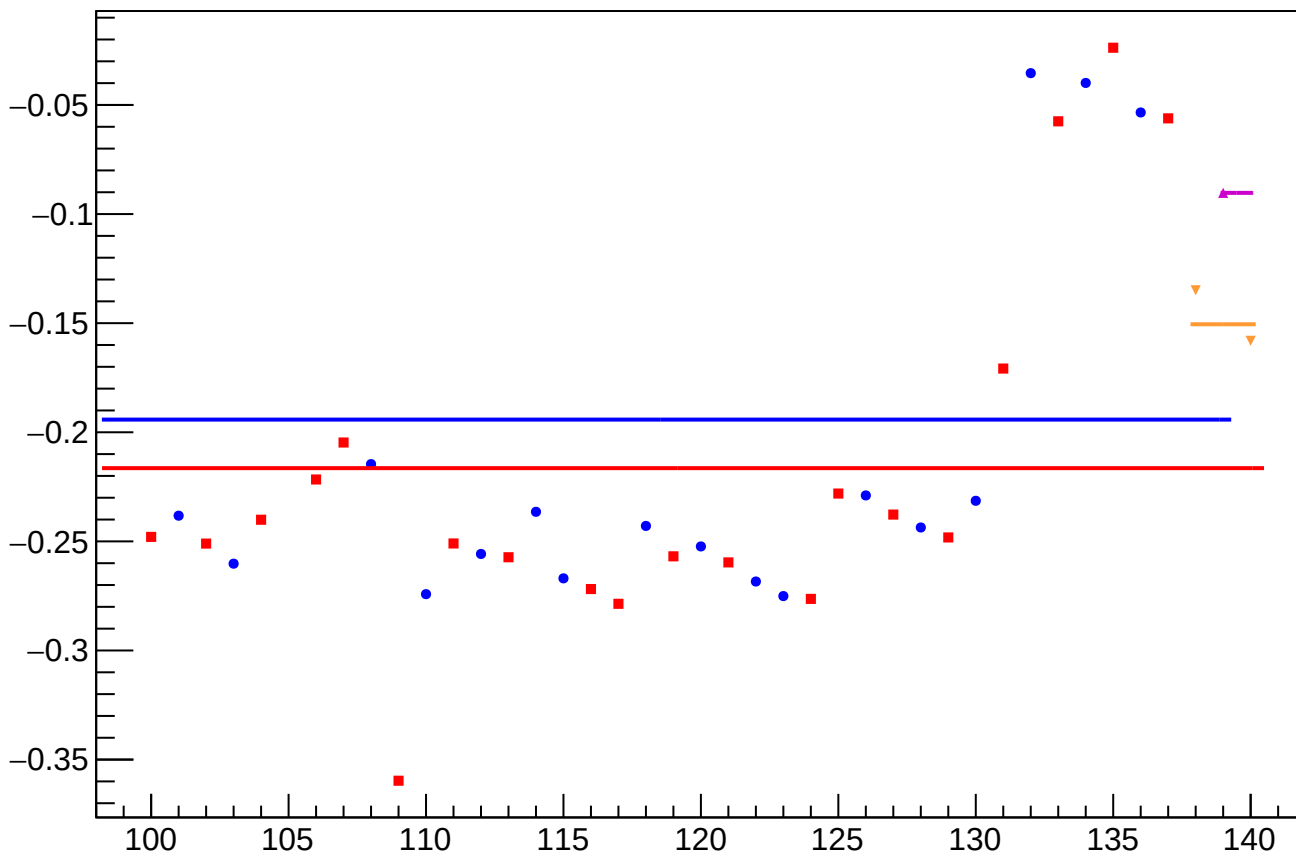
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 1505072.0/18

0.014+/-0.000 χ^2/NDF : 2901715.1/39

0.014+/-0.000 χ^2/NDF : 1373188.1/20

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.151+/-0.000 χ^2/NDF : 310976.3/1

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

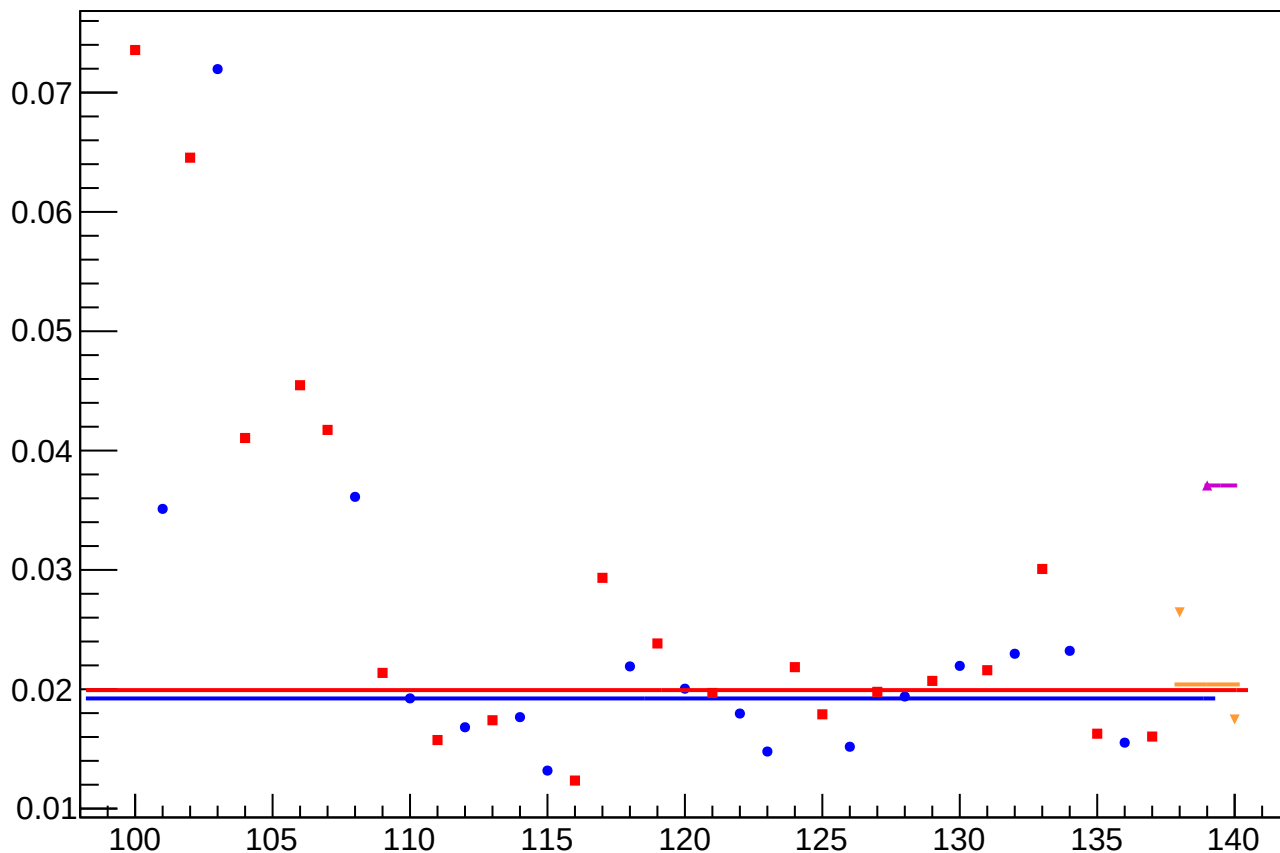
Left In: -0.090+/-0.000 χ^2/NDF : 0.0/0

-0.187+/-0.000 χ^2/NDF : 112937969.2/18

-0.198+/-0.000 χ^2/NDF : 236614397.0/39

-0.212+/-0.000 χ^2/NDF : 119220675.0/20

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.020+/-0.000 χ^2/NDF : 93546.0/1

Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

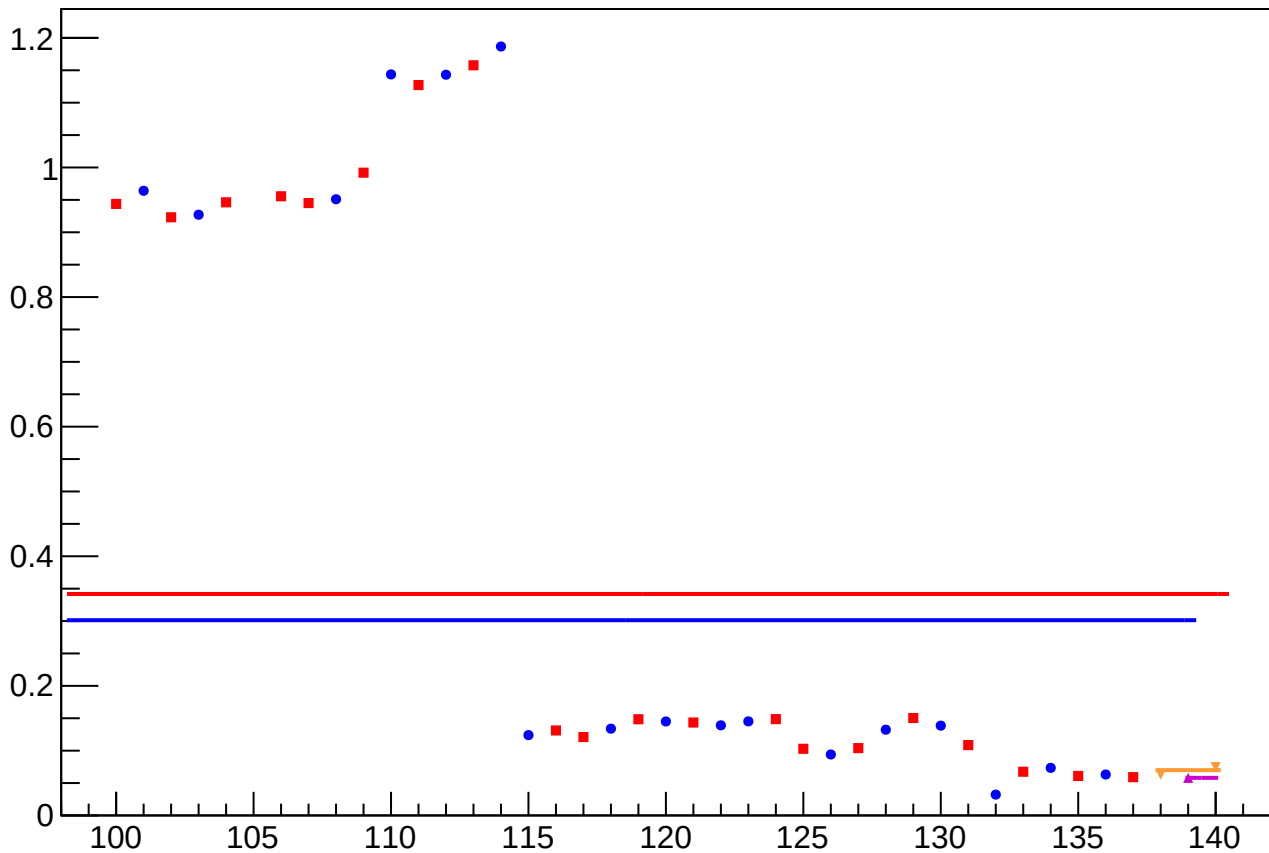
Left In: 0.037+/-0.000 χ^2/NDF : 0.0/0

0.019+/-0.000 χ^2/NDF : 1274201.7/18

0.020+/-0.000 χ^2/NDF : 3042626.6/39

0.021+/-0.000 χ^2/NDF : 1748468.6/20

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301 $\pm$ 0.000 χ^2 /NDF: 5154791073.8/16

Left Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 345099.5/1

Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 5445885893.4/19

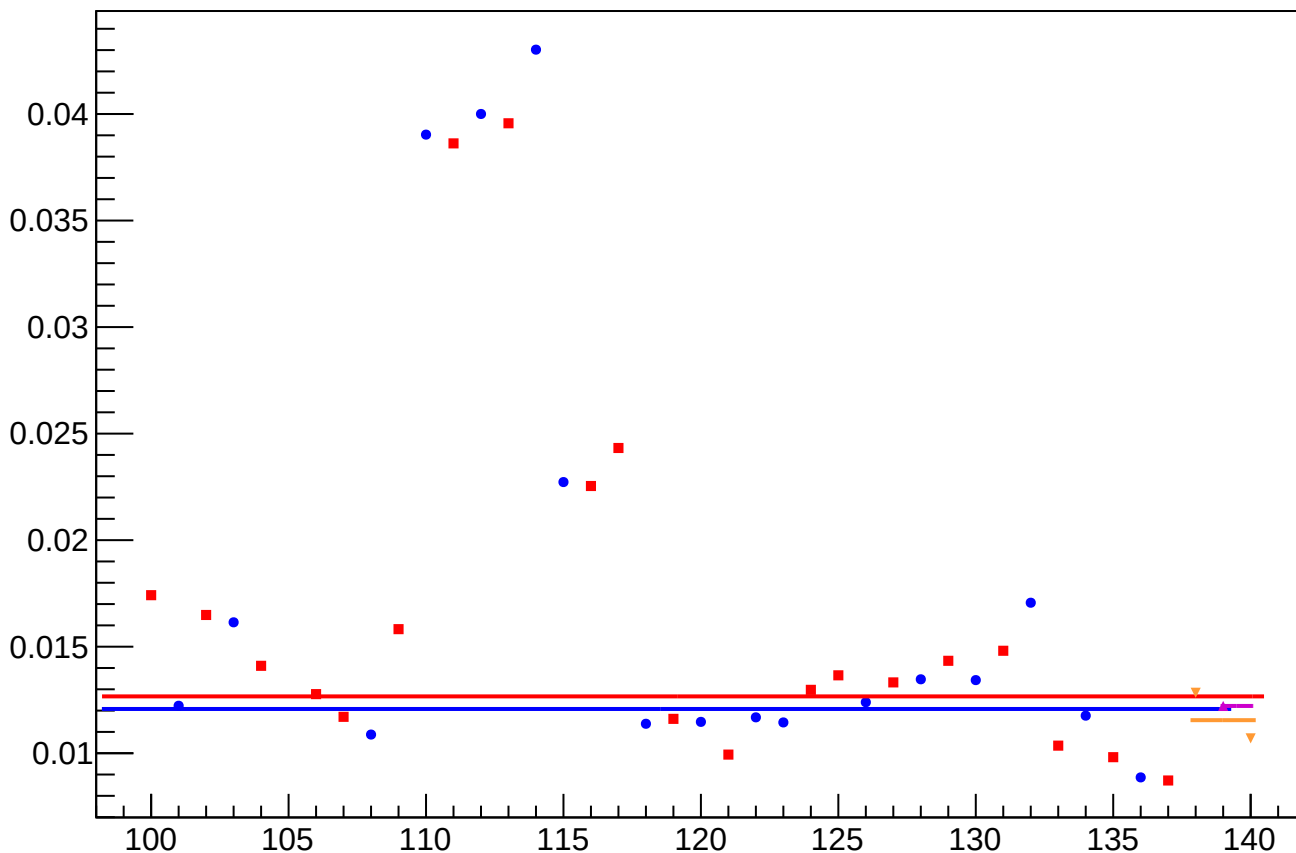
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.251 $\pm$ 0.000 χ^2 /NDF: 5604140806.0/18

0.278 $\pm$ 0.000 χ^2 /NDF: 11464951439.3/3

0.310 $\pm$ 0.000 χ^2 /NDF: 5783139299.0/20

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 23581.5/1

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1253755.7/19

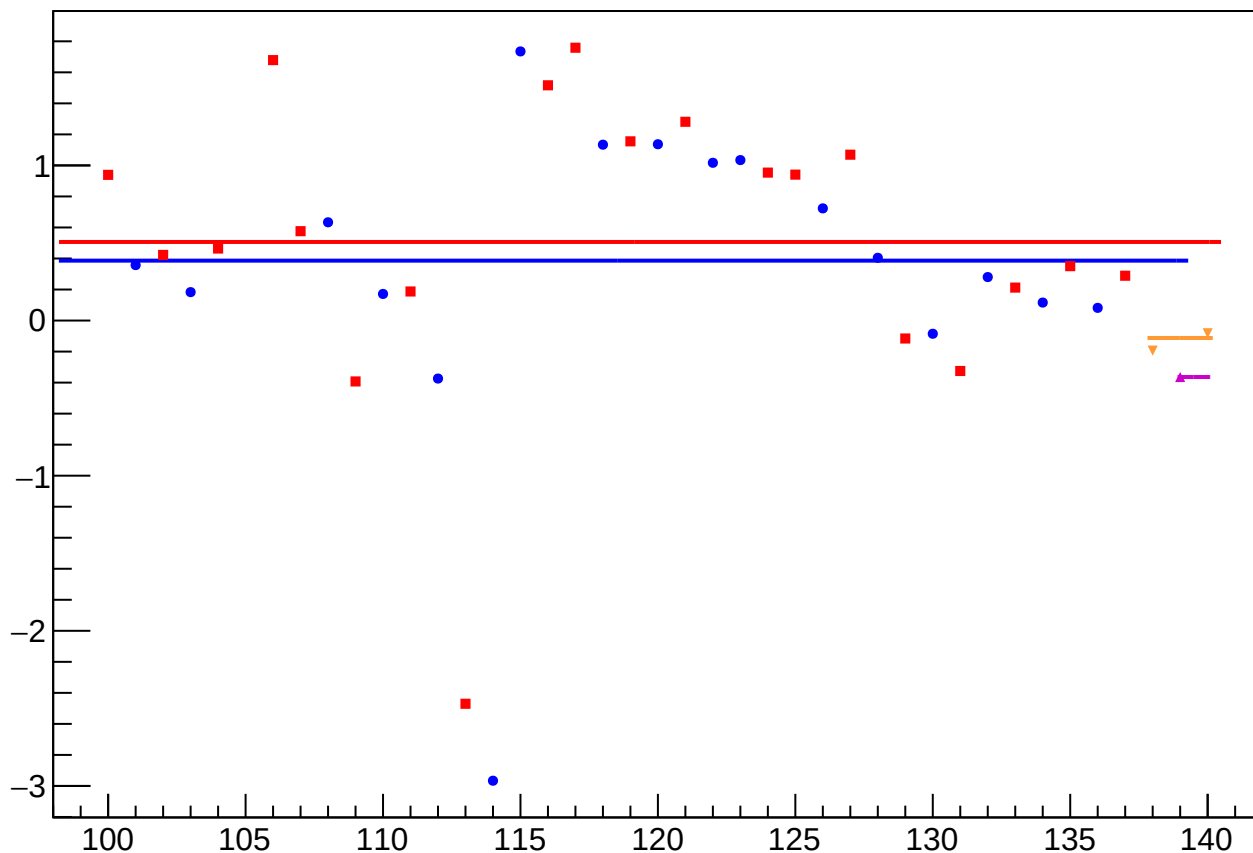
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 0.0/0

0.012 $\pm$ 0.000 χ^2/NDF : 1308552.8/18

0.012 $\pm$ 0.000 χ^2/NDF : 2583283.8/39

0.013 $\pm$ 0.000 χ^2/NDF : 1255441.9/20

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 $\pm$ 0.000 χ^2 /NDF: 246380221.7/16

Left Out: -0.112 $\pm$ 0.000 χ^2 /NDF: 281432.2/1

Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995373603.6/19

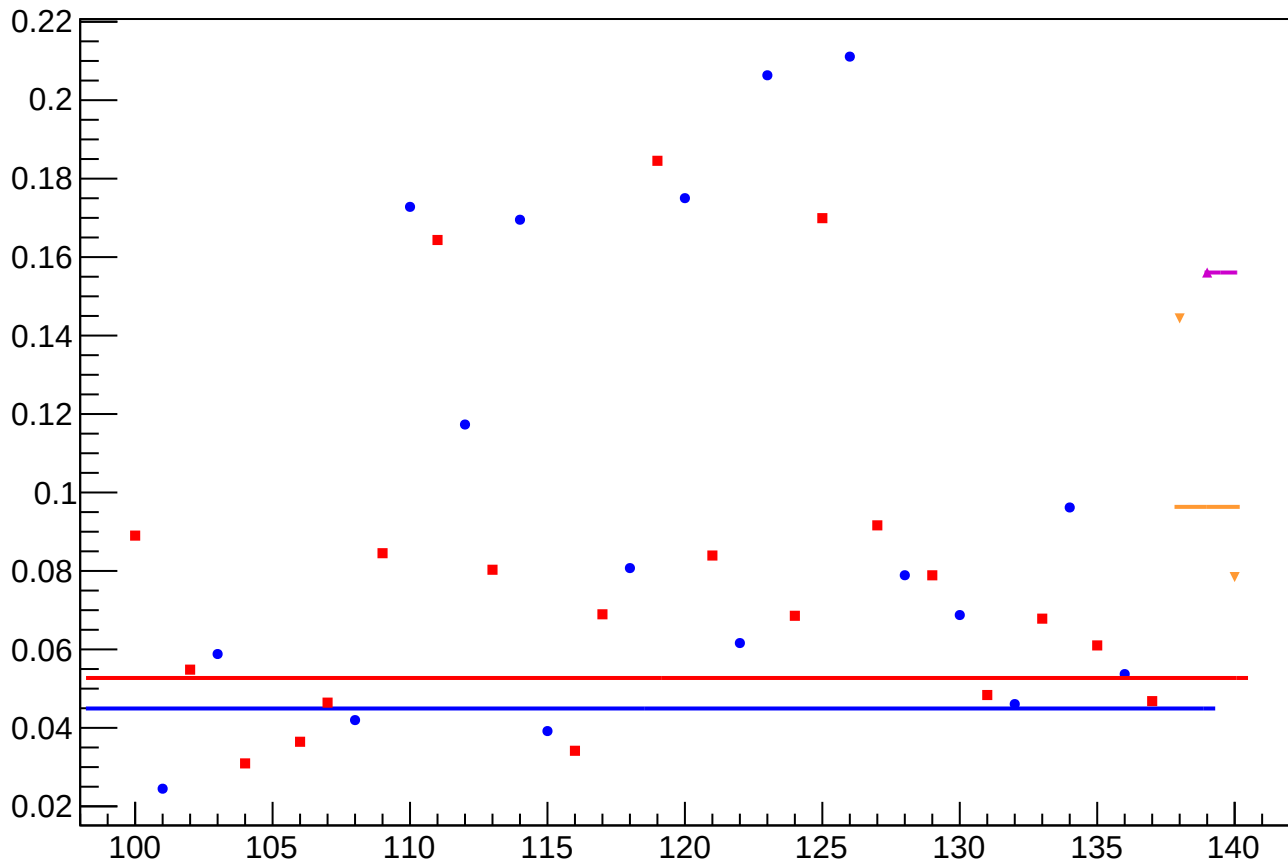
Left In: -0.364 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.356 $\pm$ 0.000 χ^2 /NDF: 273193937.7/18

0.417 $\pm$ 0.000 χ^2 /NDF: 1303382893.6/39

0.492 $\pm$ 0.000 χ^2 /NDF: 1014691742.2/20

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2788348.6/16

Left Out: 0.096 $\pm$ 0.000 χ^2 /NDF:195496.1/1

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2195781.8/19

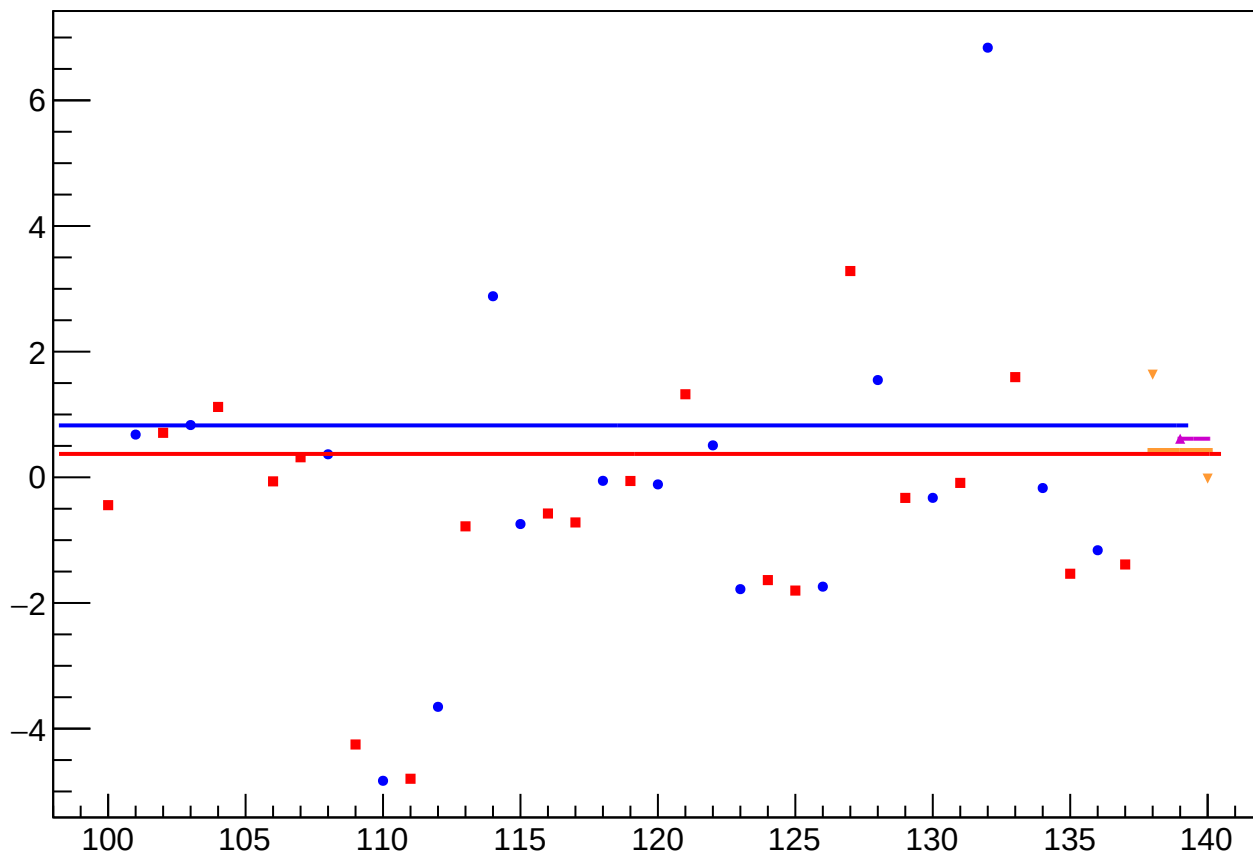
Left In: 0.156 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.048 $\pm$ 0.000 χ^2 /NDF: 3547839.1/18

0.051 $\pm$ 0.000 χ^2 /NDF: 6356673.9/39

0.054 $\pm$ 0.000 χ^2 /NDF: 2740293.3/20

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 $\pm$ 0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.435 $\pm$ 0.000 χ^2/NDF : 113353558.9/1

Right Out: 0.372 $\pm$ 0.000 χ^2/NDF : 4960201861.0/19

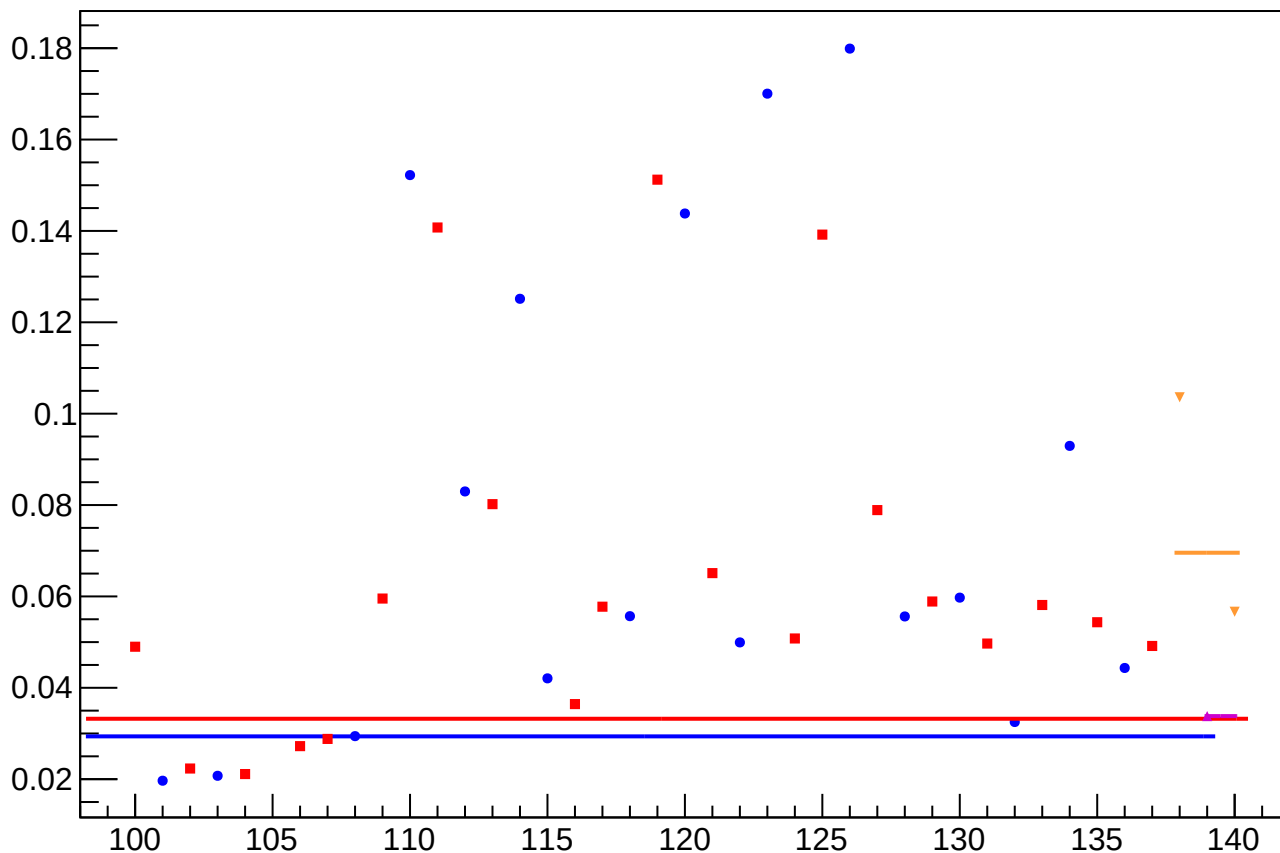
Left In: 0.614 $\pm$ 0.000 χ^2/NDF : 0.0/0

0.806 $\pm$ 0.000 χ^2/NDF : 11089039597.6/18

0.608 $\pm$ 0.000 χ^2/NDF : 16406978481.1/3

0.384 $\pm$ 0.000 χ^2/NDF : 4970417743.6/20

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.070+/-0.000 χ^2/NDF :182512.2/1

Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

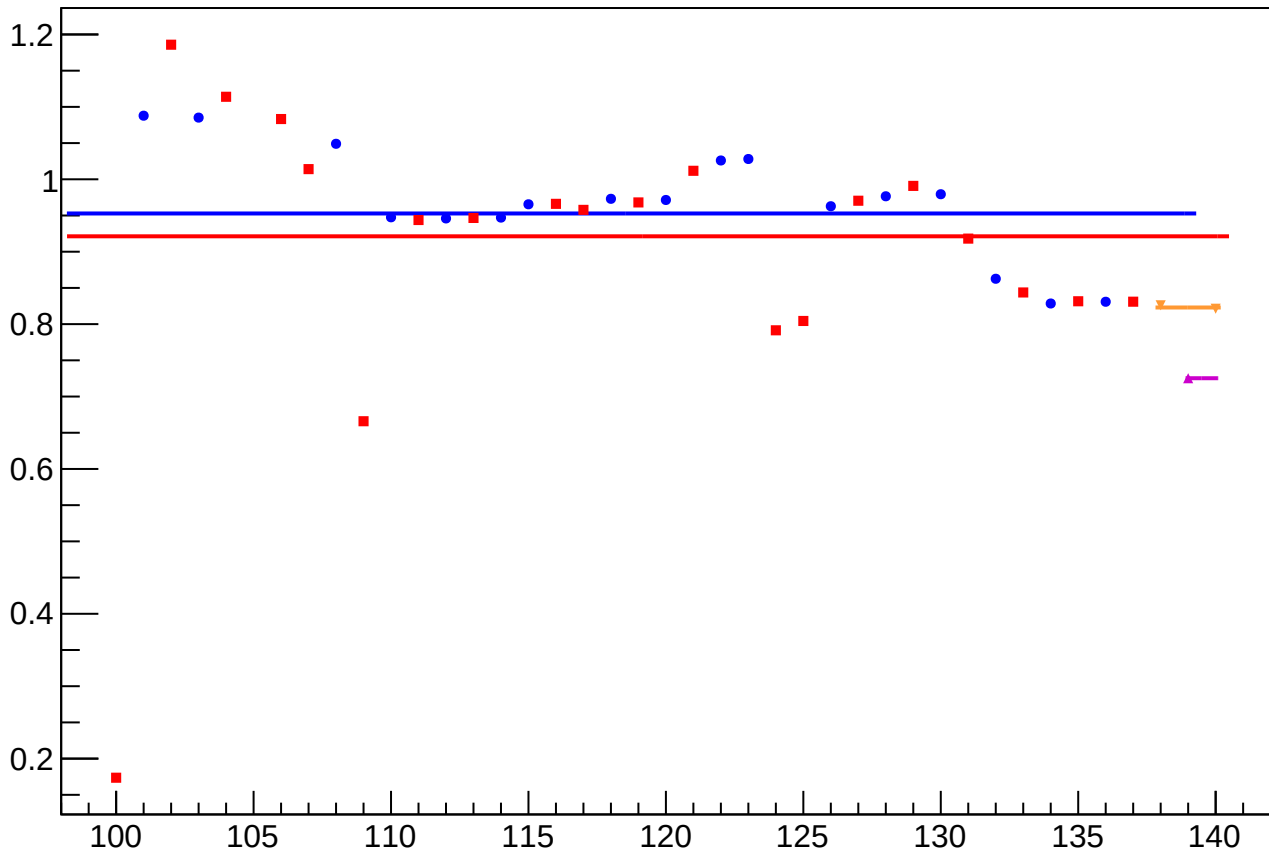
Left In: 0.034+/-0.000 χ^2/NDF :0.0/0

0.031+/-0.000 χ^2/NDF : 3807083.3/18

0.032+/-0.000 χ^2/NDF : 6933111.1/39

0.033+/-0.000 χ^2/NDF : 3112417.4/20

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.823 $\pm$ 0.000 χ^2 /NDF:37293.2/1

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374306248.8/19

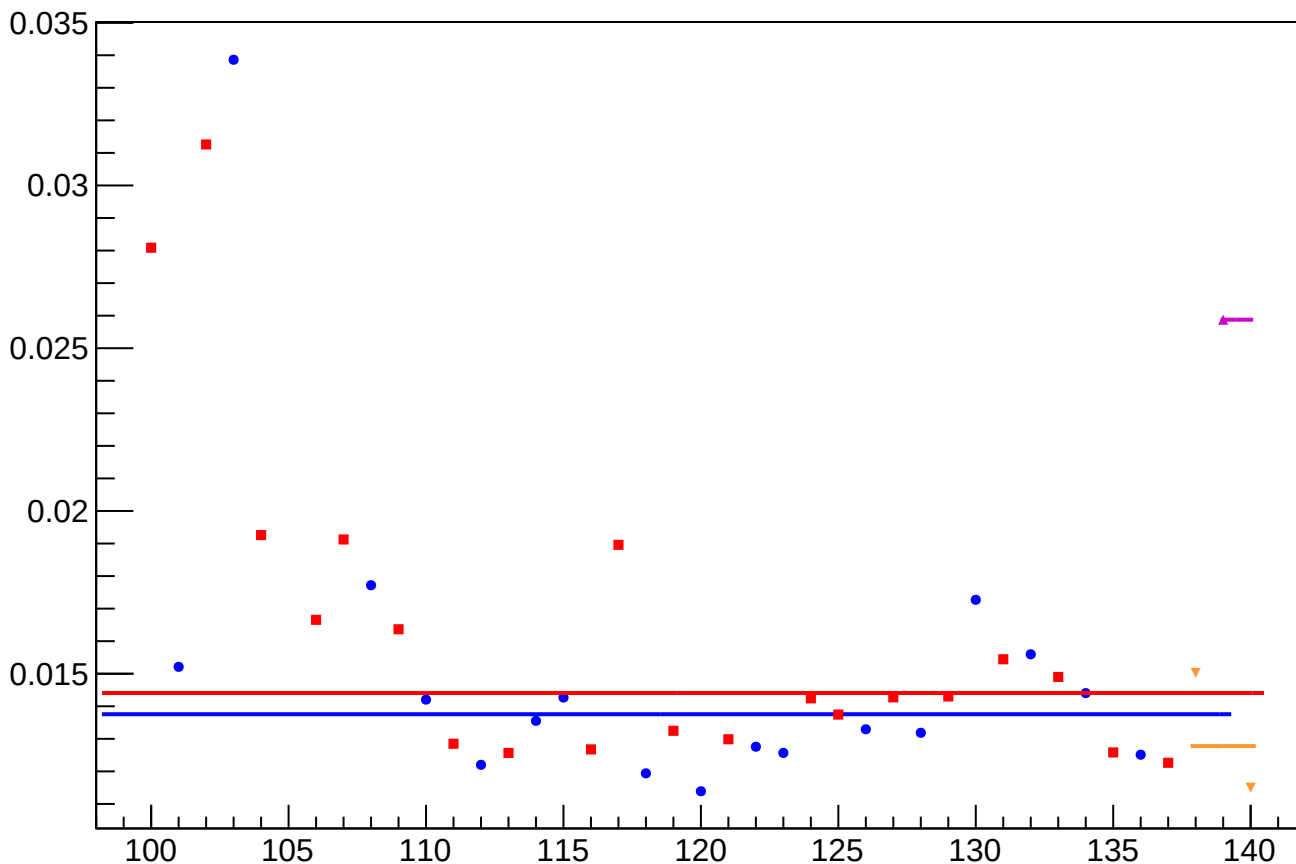
Left In: 0.725 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.928 $\pm$ 0.000 χ^2 /NDF: 273738756.9/18

0.922 $\pm$ 0.000 χ^2 /NDF: 689840833.1/39

0.915 $\pm$ 0.000 χ^2 /NDF: 413058303.7/20

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 41281.1/1

Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

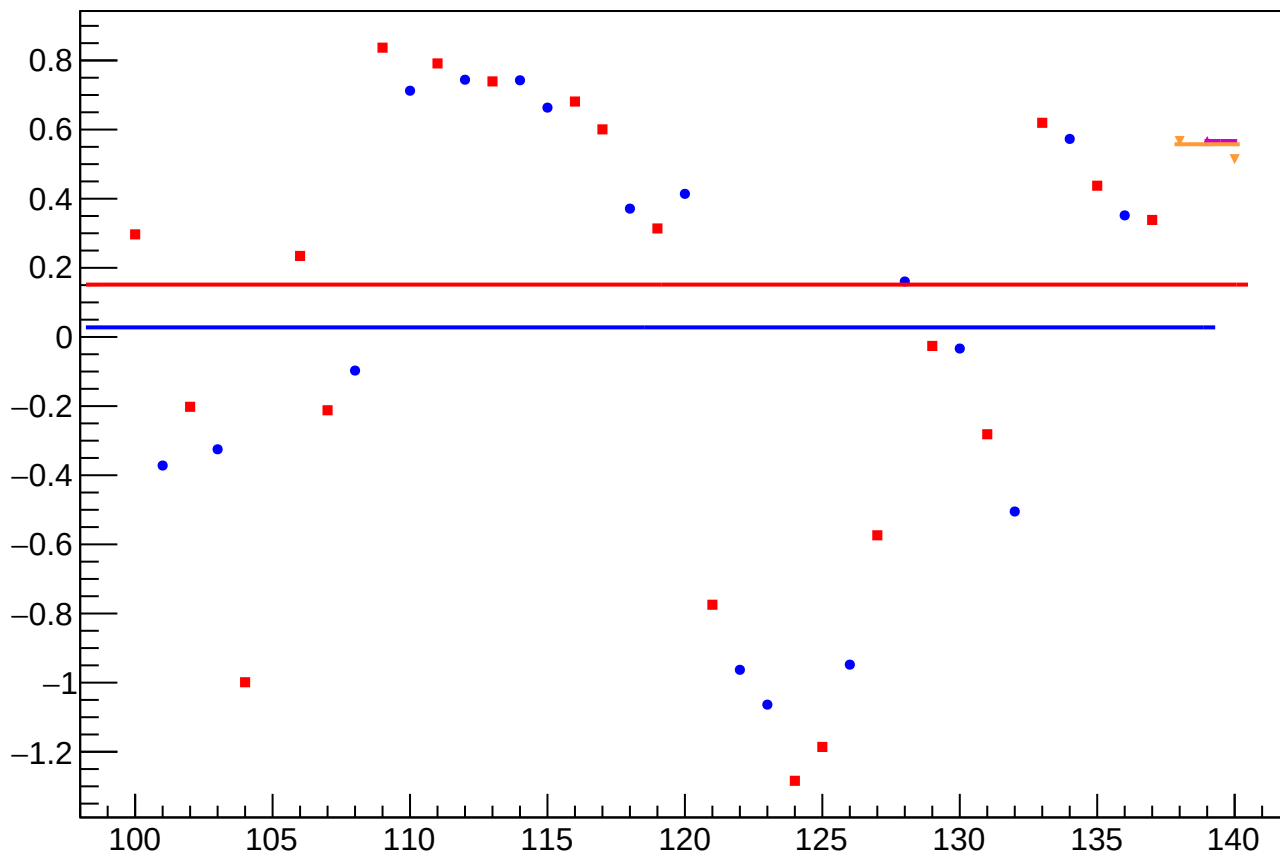
Left In: 0.026+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 590880.1/18

0.014+/-0.000 χ^2/NDF : 1416029.0/39

0.015+/-0.000 χ^2/NDF : 774063.2/20

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.558 $\pm$ 0.000 χ^2 /NDF: 8790840.7/1

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12665480117.0/19

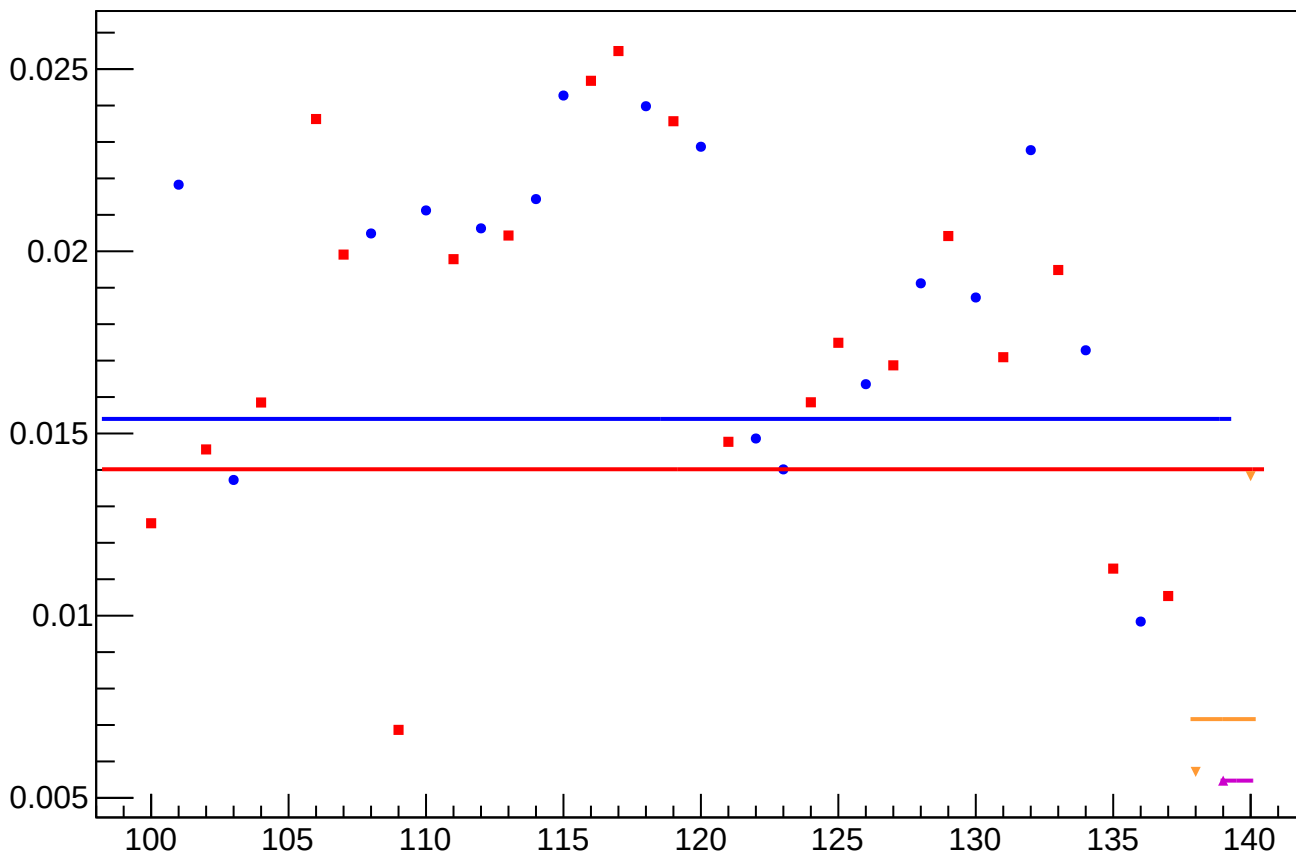
Left In: 0.567 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.281 $\pm$ 0.000 χ^2 /NDF: 9455979279.2/18

0.310 $\pm$ 0.000 χ^2 /NDF: 24367492795.4/3

0.335 $\pm$ 0.000 χ^2 /NDF: 14842747285.4/20

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.007+/-0.000 χ^2/NDF : 418284.1/1

Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

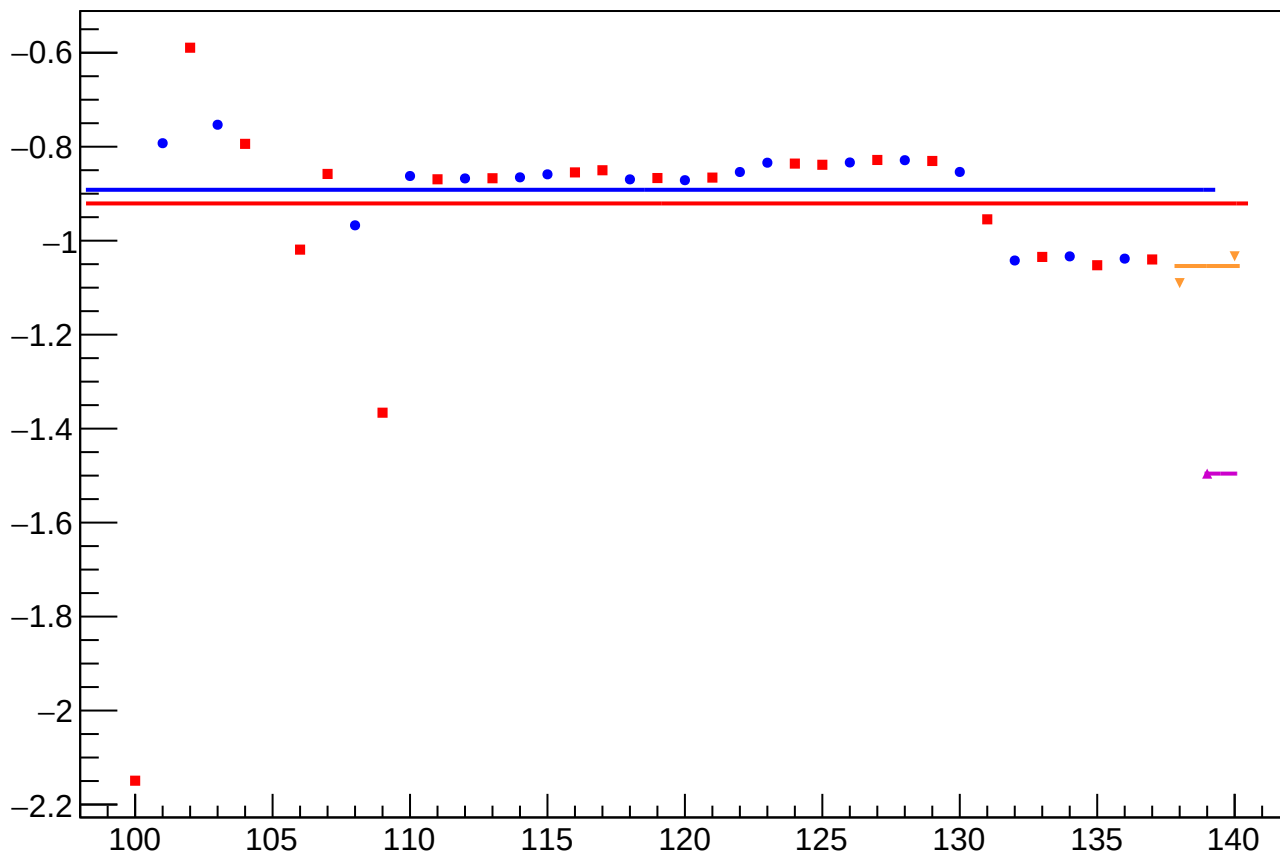
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 3093351.7/18

0.011+/-0.000 χ^2/NDF : 6582708.2/39

0.010+/-0.000 χ^2/NDF : 3419162.8/20

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.054+/-0.000 χ^2/NDF : 832839.8/1

Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

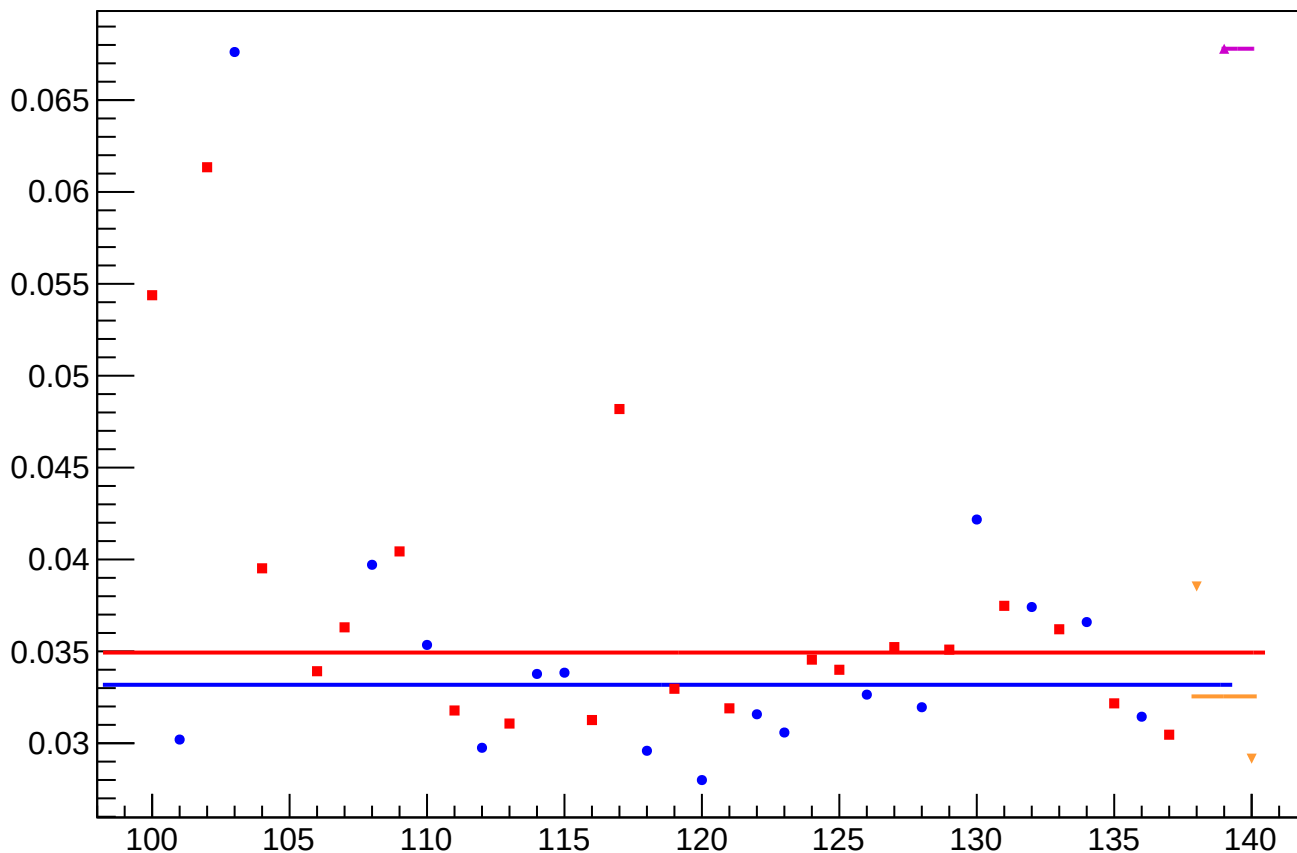
Left In: -1.496+/-0.000 χ^2/NDF : 0.0/0

-0.920+/-0.000 χ^2/NDF : 64744354.5/18

-0.928+/-0.000 χ^2/NDF : 245729275.2/39

-0.938+/-0.000 χ^2/NDF : 180088481.4/20

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.033+/-0.000 χ^2/NDF : 44963.8/1

Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

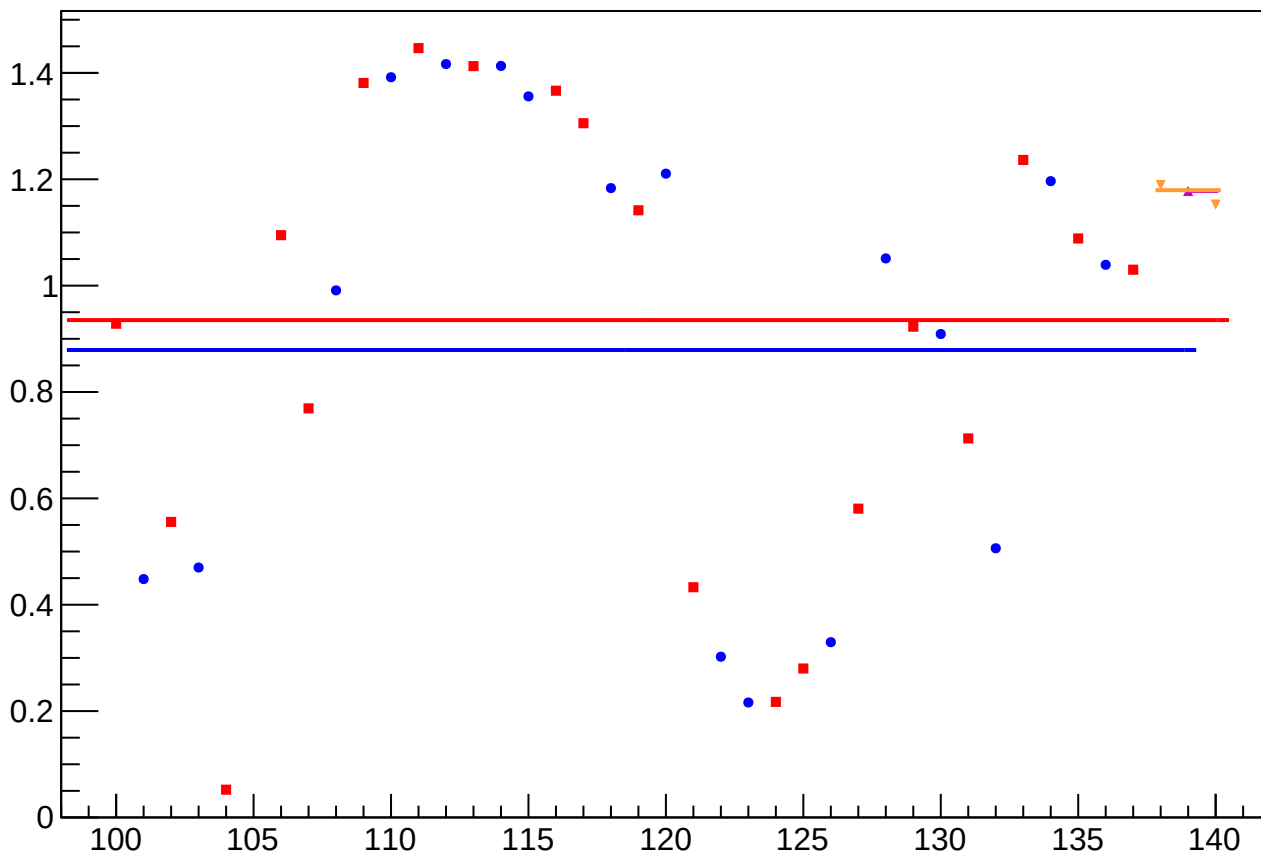
Left In: 0.068+/-0.000 χ^2/NDF : 0.0/0

0.033+/-0.000 χ^2/NDF : 445800.7/18

0.034+/-0.000 χ^2/NDF : 1091853.9/39

0.036+/-0.000 χ^2/NDF : 600294.1/20

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 $\pm$ 0.000 χ^2 /NDF: 6371602566.2/16

Left Out: 1.180 $\pm$ 0.000 χ^2 /NDF: 8396803.1/1

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9844960466.1/19

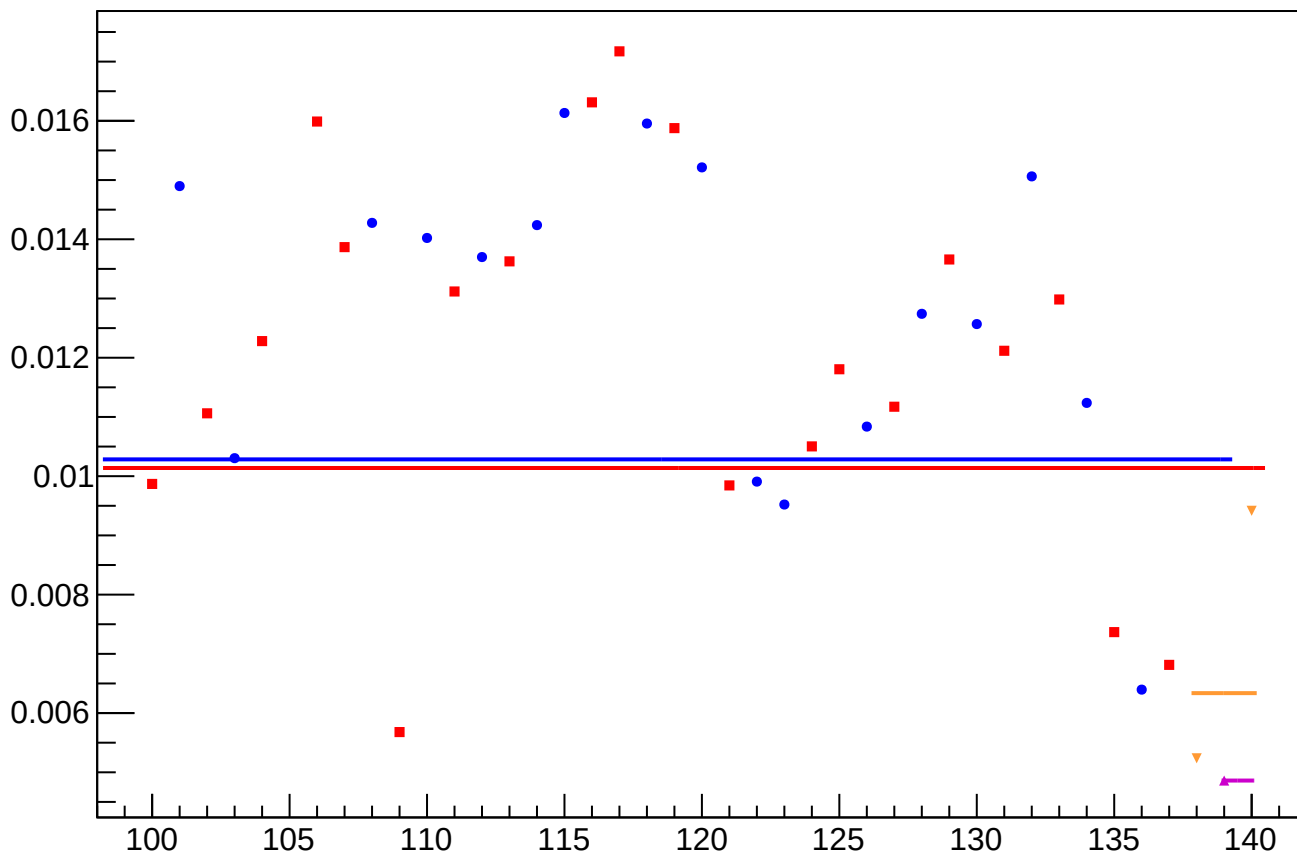
Left In: 1.178 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.992 $\pm$ 0.000 χ^2 /NDF: 8170761794.2/18

1.005 $\pm$ 0.000 χ^2 /NDF: 19166972748.2/3

1.017 $\pm$ 0.000 χ^2 /NDF: 10971397471.4/20

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:215704.1/1

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1189529.0/19

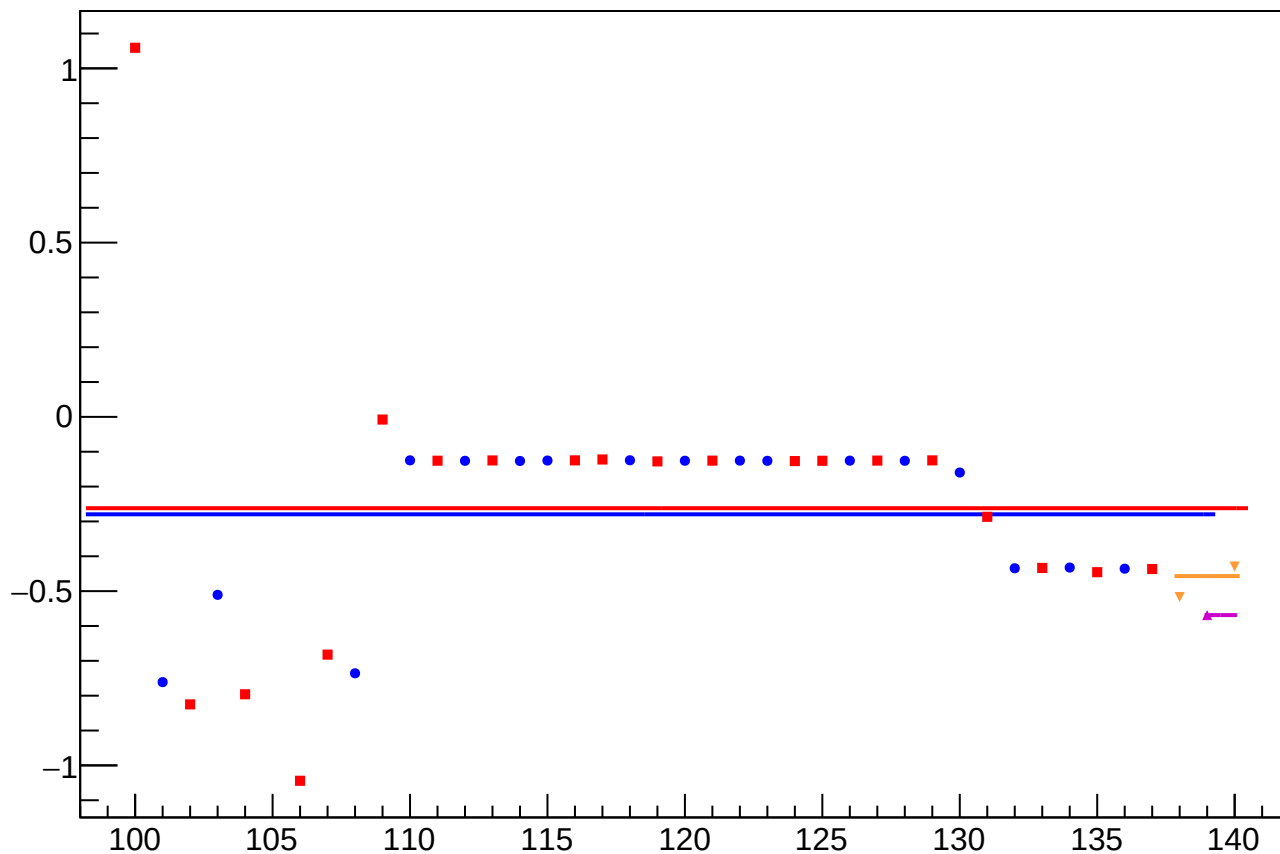
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.009 $\pm$ 0.000 χ^2 /NDF: 2040825.7/18

0.009 $\pm$ 0.000 χ^2 /NDF: 4310022.6/39

0.008 $\pm$ 0.000 χ^2 /NDF: 2253928.7/20

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280+/-0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.457+/-0.000 χ^2/NDF : 19015349.7/1

Right Out: -0.262+/-0.000 χ^2/NDF : 1007161741.8/19

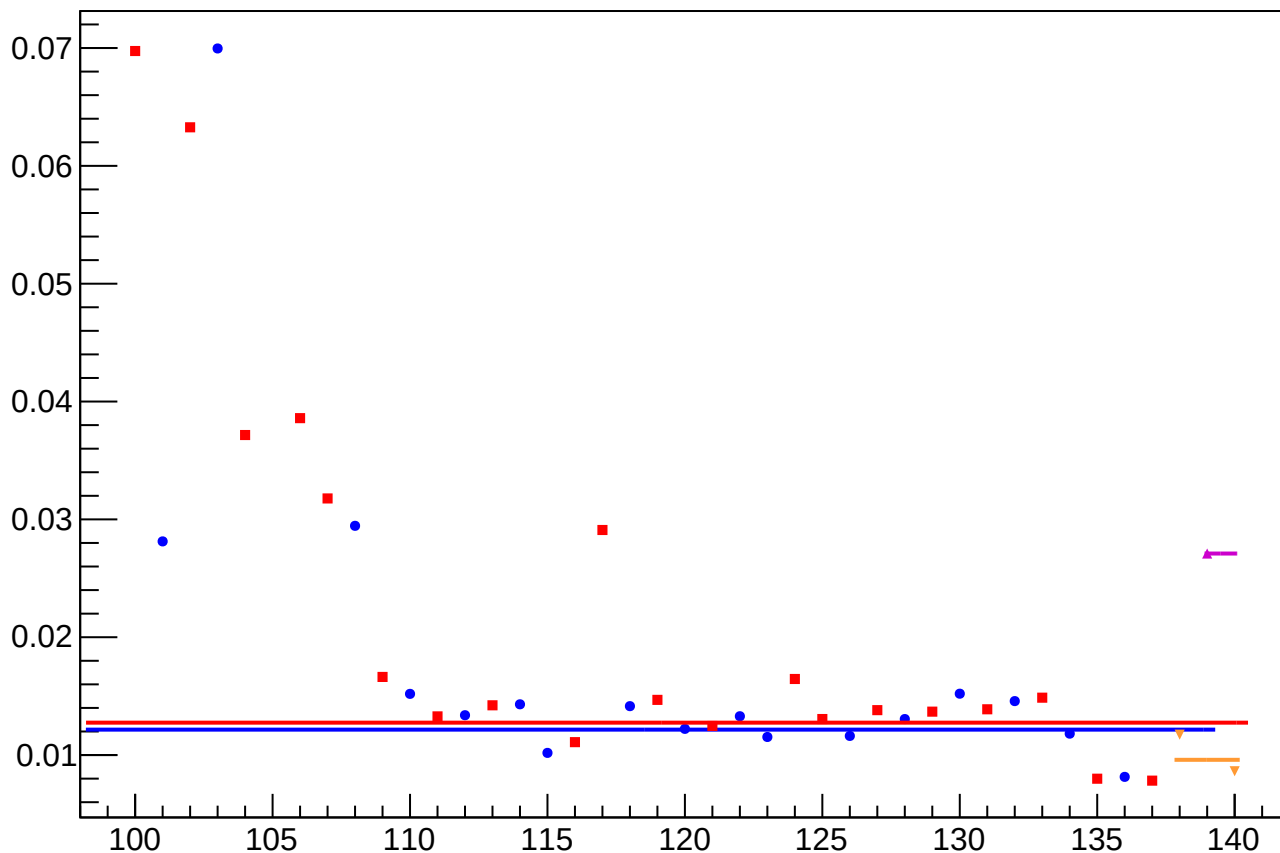
Left In: -0.569+/-0.000 χ^2/NDF : 0.0/0

-0.327+/-0.000 χ^2/NDF : 1214387294.7/18

-0.304+/-0.000 χ^2/NDF : 2365180413.4/39

-0.272+/-0.000 χ^2/NDF : 1095222203.3/20

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 +/- 0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010 +/- 0.000 χ^2/NDF : 48018.3/1

Right Out: 0.013 +/- 0.000 χ^2/NDF : 1991972.4/19

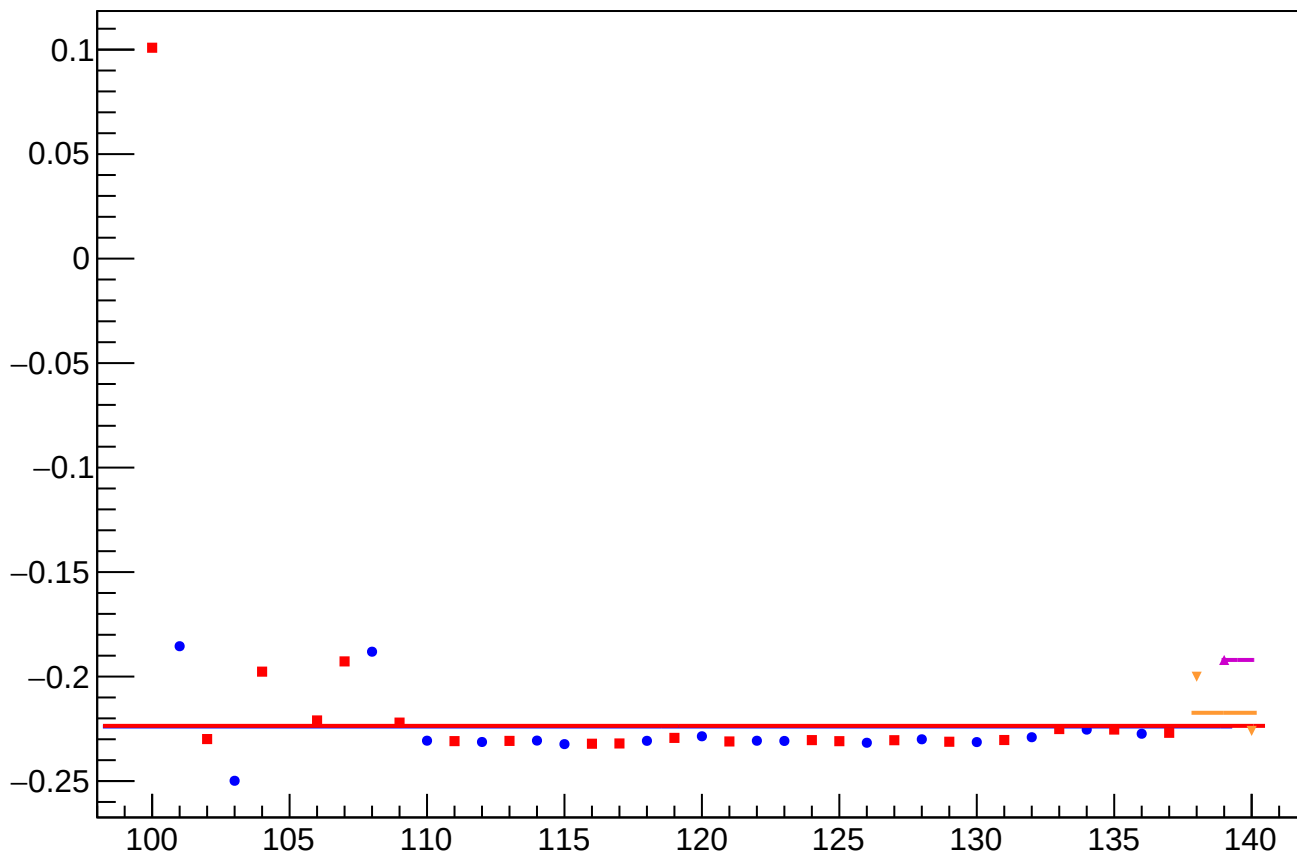
Left In: 0.027 +/- 0.000 χ^2/NDF : 0.0/0

0.011 +/- 0.000 χ^2/NDF : 1881884.5/18

0.012 +/- 0.000 χ^2/NDF : 4367099.7/39

0.013 +/- 0.000 χ^2/NDF : 2377548.3/20

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.217+/-0.000 χ^2/NDF : 9067002.8/1

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

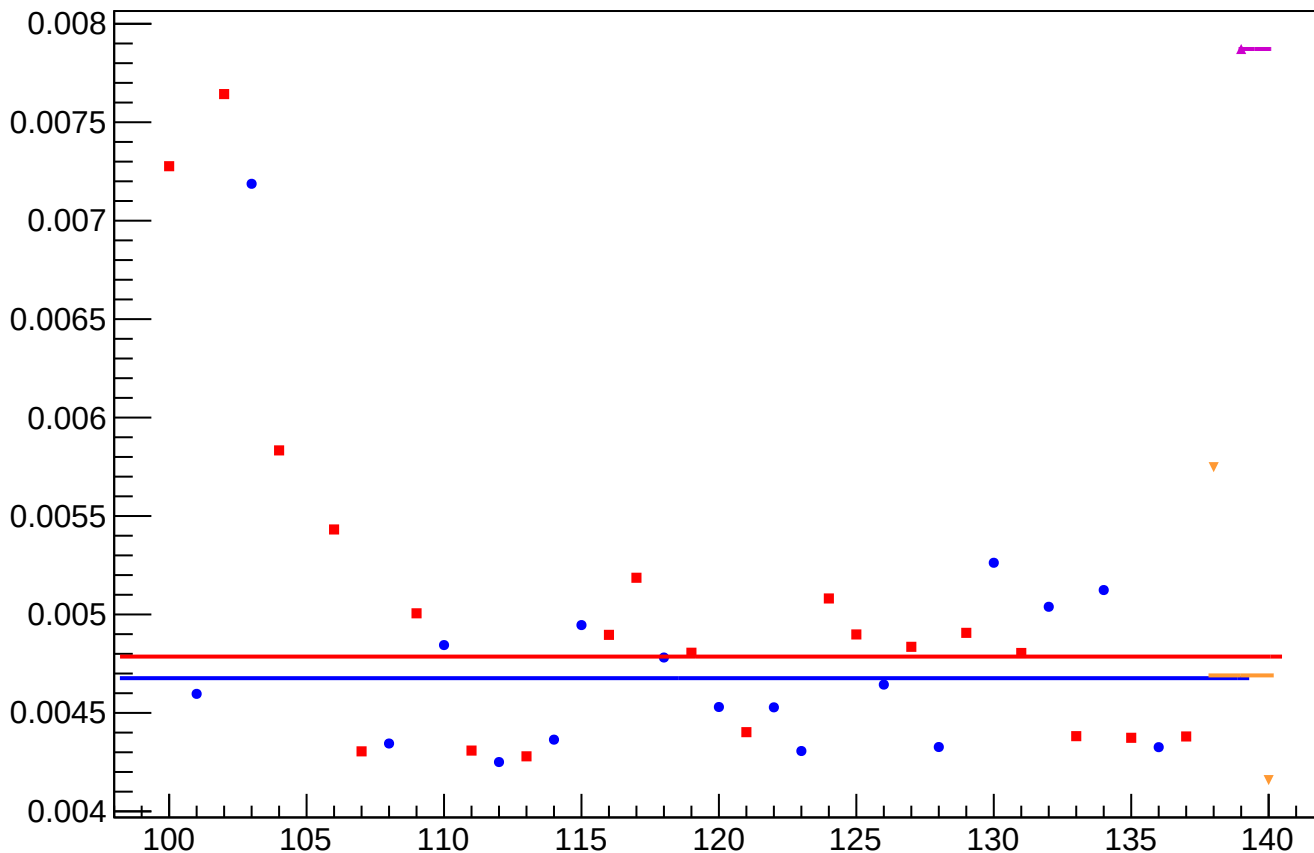
Left In: -0.192+/-0.000 χ^2/NDF : 0.0/0

-0.223+/-0.000 χ^2/NDF : 85793914.1/18

-0.223+/-0.000 χ^2/NDF : 264648444.0/39

-0.222+/-0.000 χ^2/NDF : 178839853.8/20

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 68109.6/1

Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

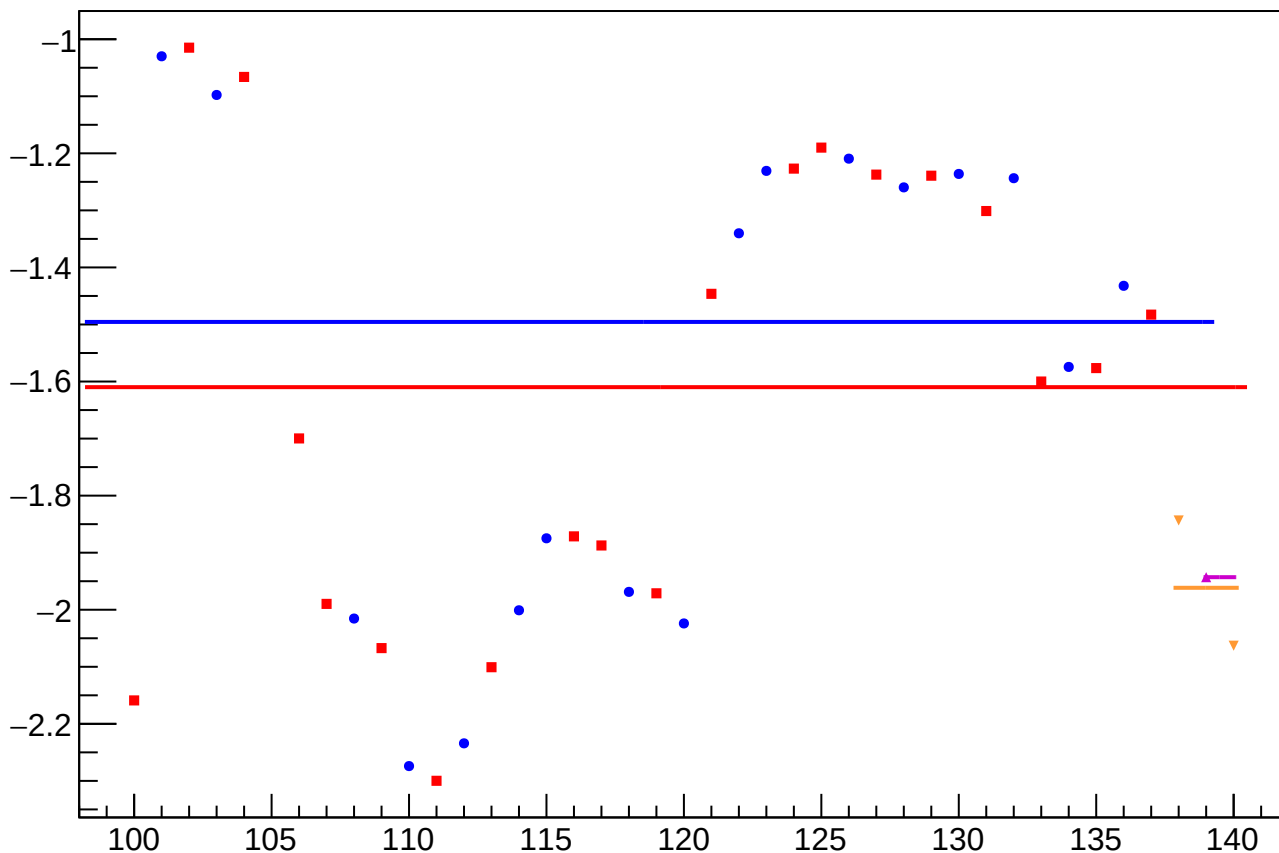
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 248909.8/18

0.005+/-0.000 χ^2/NDF : 716450.2/39

0.005+/-0.000 χ^2/NDF : 451858.5/20

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496 ± 0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.962 ± 0.000 χ^2/NDF : 597924525.9/1

-1.619 ± 0.000 χ^2/NDF : 31076469427.1/18

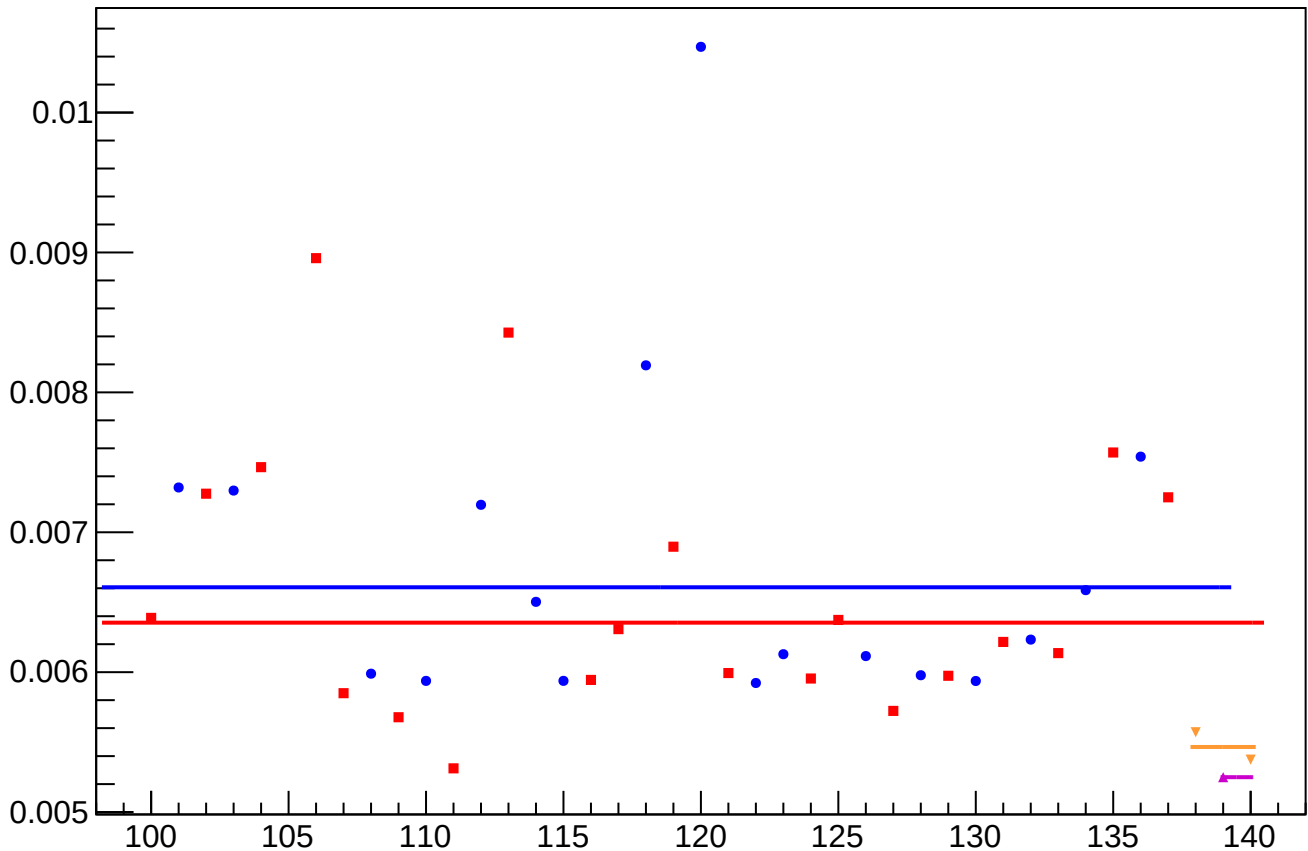
Right Out: -1.610 ± 0.000 χ^2/NDF : 27936032778.6/19

-1.637 ± 0.000 χ^2/NDF : 61599988756.6/3

-1.655 ± 0.000 χ^2/NDF : 30399632561.8/20

Left In: -1.943 ± 0.000 χ^2/NDF : 0.0/0

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.005+/-0.000 χ^2/NDF : 950.9/1

Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

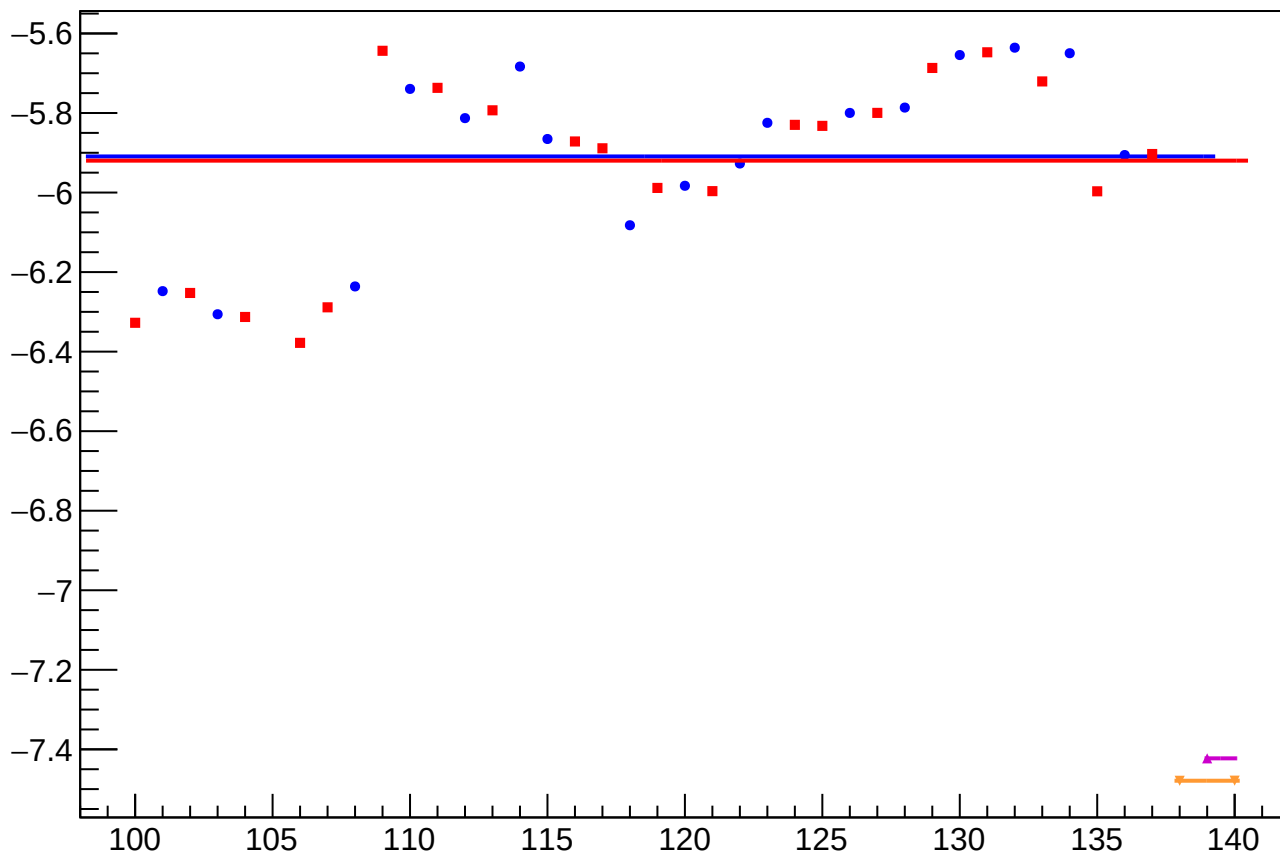
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 297935.8/18

0.006+/-0.000 χ^2/NDF : 581319.1/39

0.006+/-0.000 χ^2/NDF : 281471.2/20

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.479+/-0.000 χ^2/NDF : 428.9/1

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

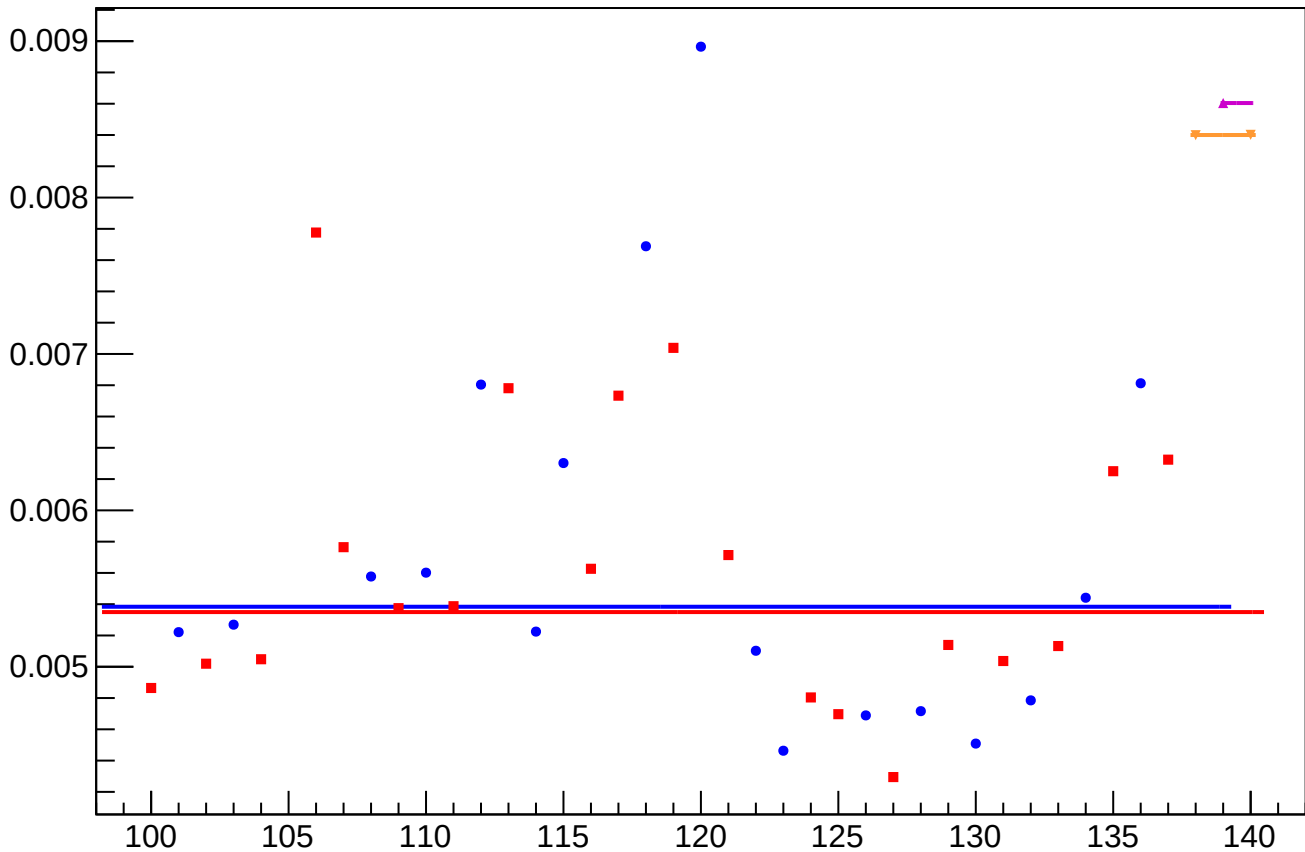
Left In: -7.423+/-0.000 χ^2/NDF : 0.0/0

-6.035+/-0.000 χ^2/NDF : 50923138538.3/18

-6.003+/-0.000 χ^2/NDF : 81735224970.8/3

-5.972+/-0.000 χ^2/NDF : 30370345104.9/20

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 0.0/1

Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

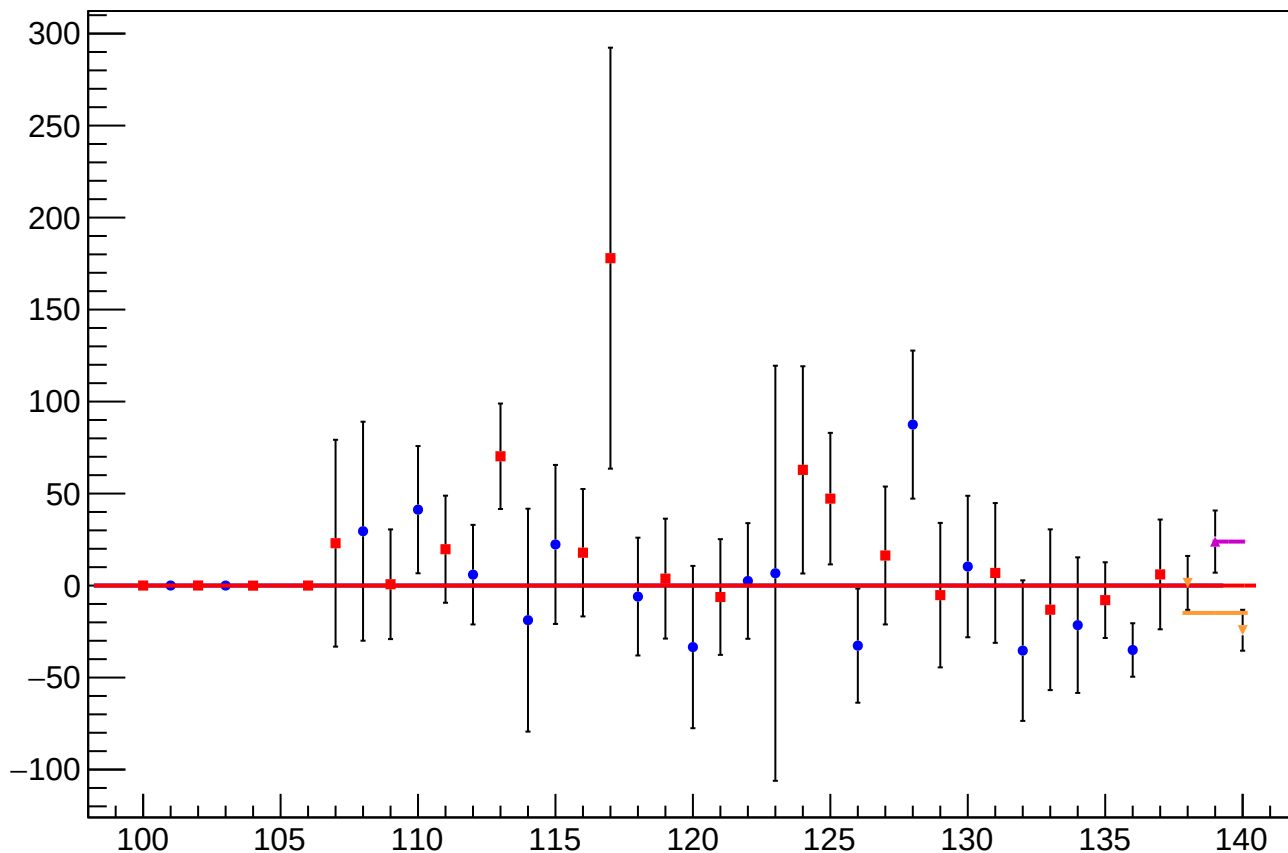
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 641527.8/18

0.006+/-0.000 χ^2/NDF : 1060381.4/39

0.005+/-0.000 χ^2/NDF : 412946.1/20

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.017 χ^2/NDF : 15.8/16

Left Out: -14.869+/-8.859 χ^2/NDF : 2.0/1

Right Out: -0.003+/-0.016 χ^2/NDF : 17.7/19

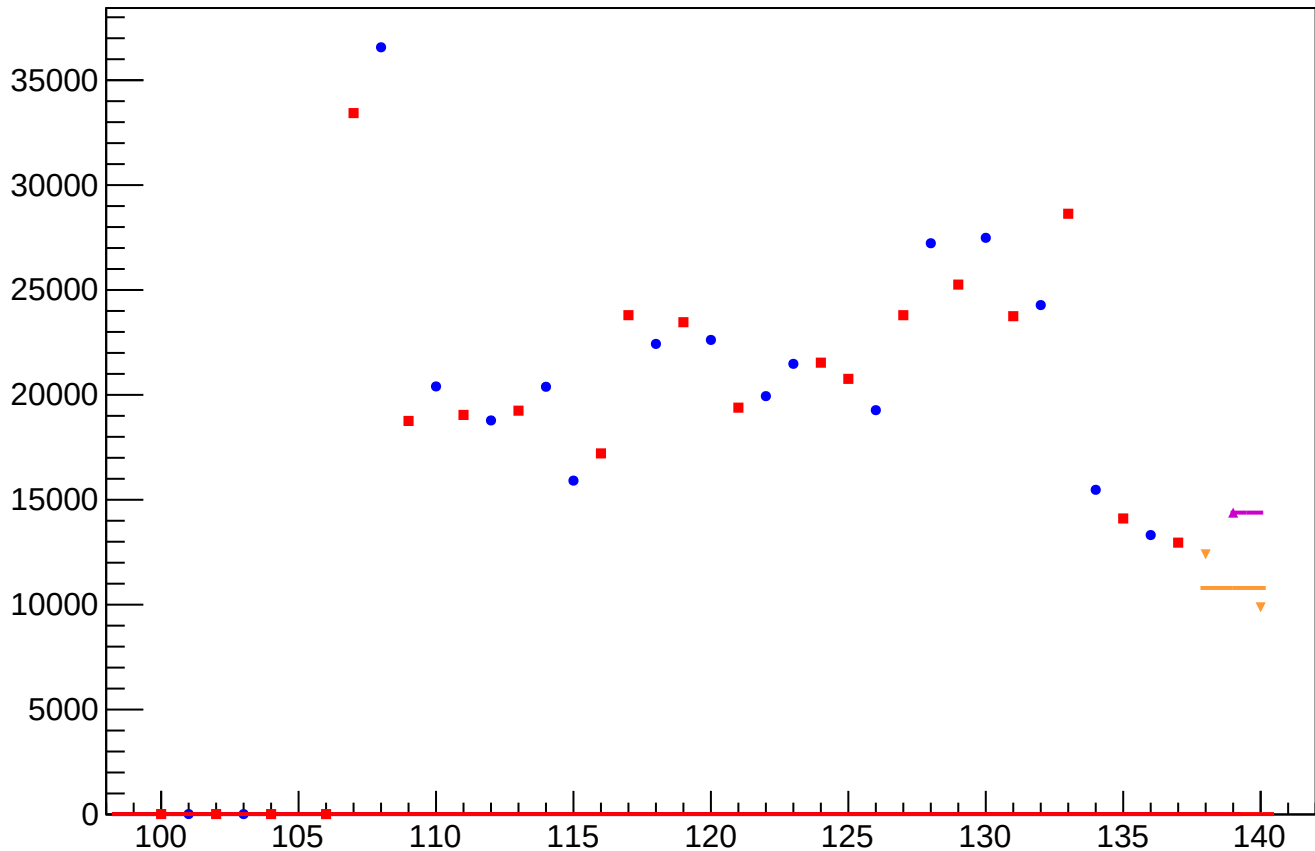
Left In: 23.899+/-16.895 χ^2/NDF : 0.0/0

0.013+/-0.017 χ^2/NDF : 20.6/18

0.004+/-0.012 χ^2/NDF : 40.8/39

-0.003+/-0.016 χ^2/NDF : 19.7/20

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 10796.052+/-6.264 χ^2/NDF : 37753.6/1

Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

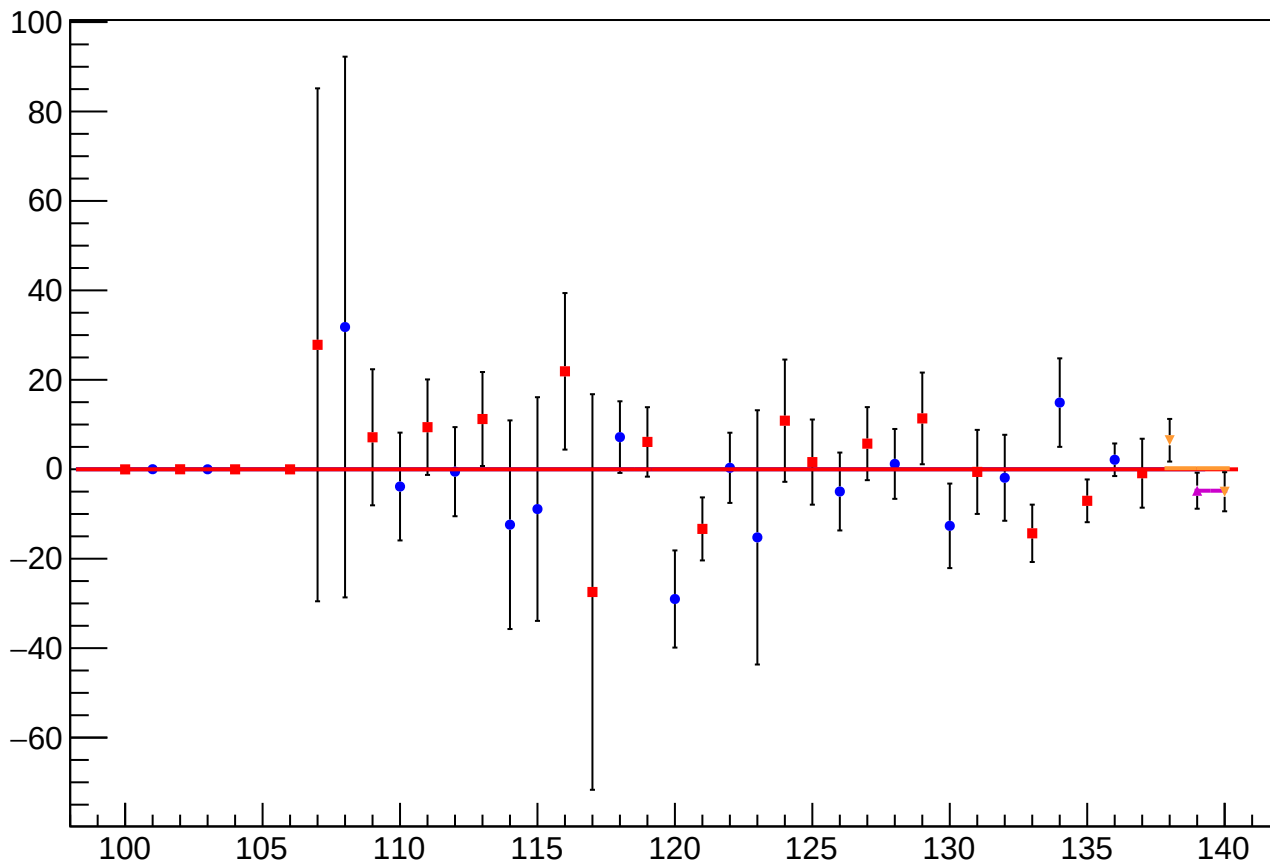
Left In: 14387.726+/-11.946 χ^2/NDF : 0.0/0

18.682+/-0.012 χ^2/NDF : 13839517.1/18

18.490+/-0.008 χ^2/NDF : 26476486.3/39

18.325+/-0.011 χ^2/NDF : 12636512.4/20

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 χ^2/NDF : 14.9/16

Left Out: 0.231 ± 3.221 χ^2/NDF : 3.2/1

Right Out: -0.014 ± 0.009 χ^2/NDF : 18.8/19

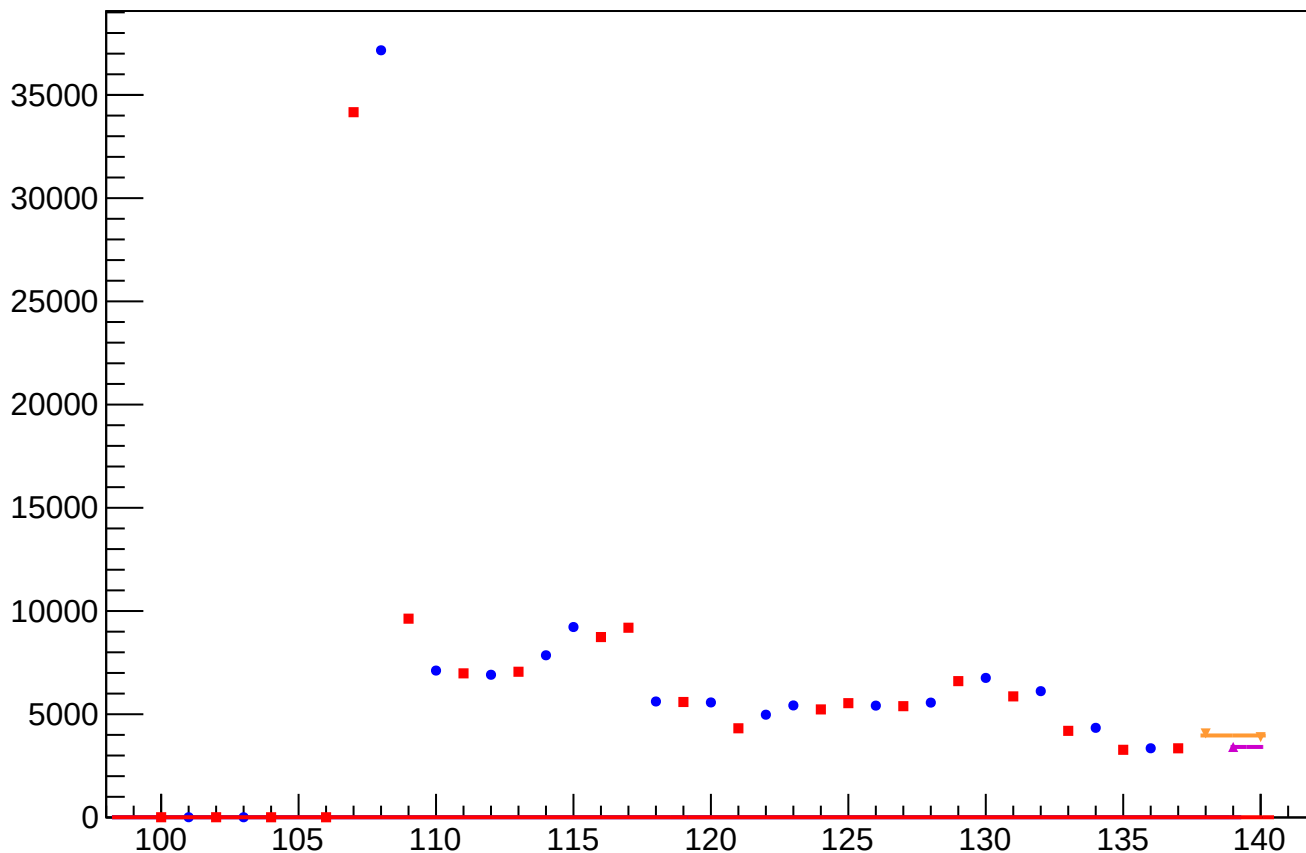
Left In: -4.797 ± 4.026 χ^2/NDF : 0.0/0

0.001 ± 0.009 χ^2/NDF : 18.1/18

-0.007 ± 0.006 χ^2/NDF : 39.7/39

-0.014 ± 0.009 χ^2/NDF : 20.2/20

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 3971.452+/-2.278 χ^2/NDF :1577.2/1

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

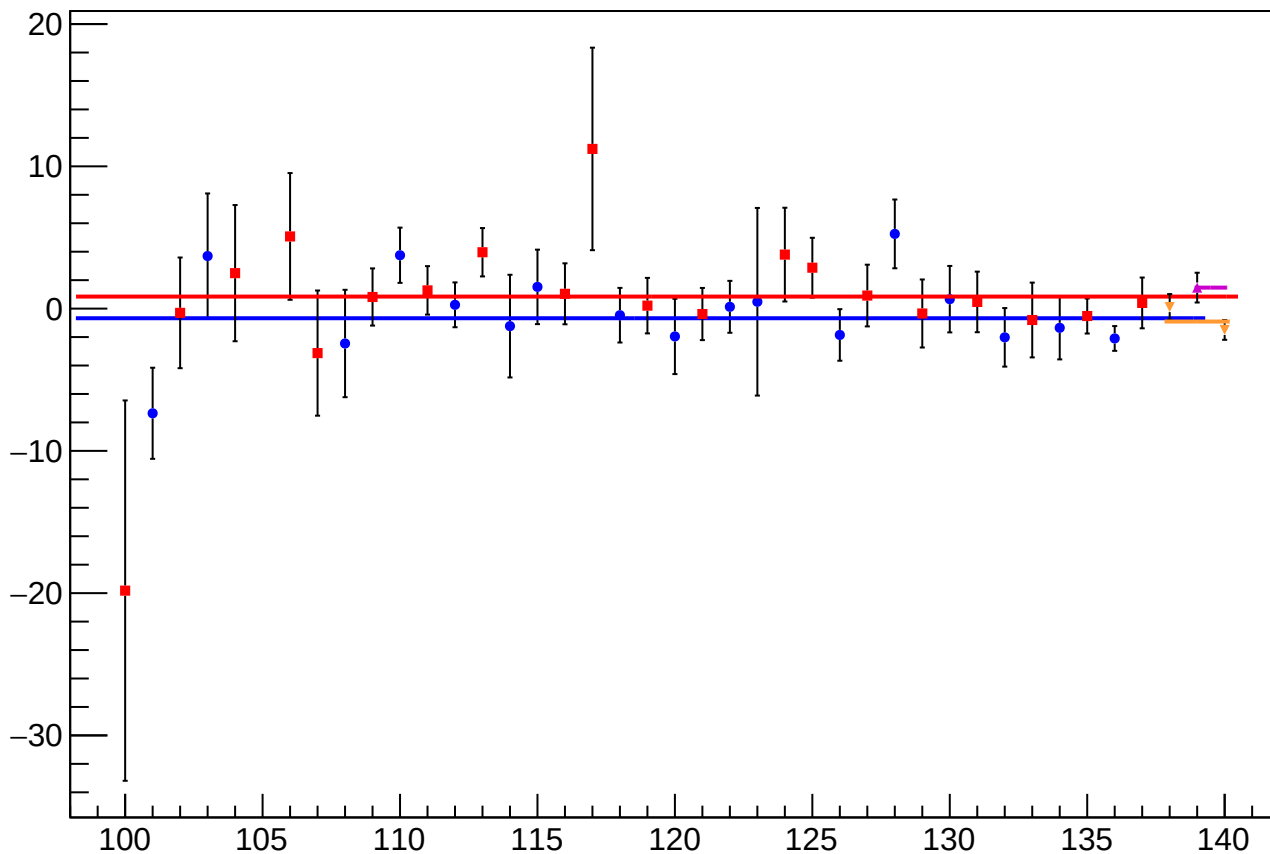
Left In: 3415.160+/-2.847 χ^2/NDF :0.0/0

9.970+/-0.007 χ^2/NDF : 13999719.6/18

9.917+/-0.004 χ^2/NDF : 26669350.9/39

9.870+/-0.006 χ^2/NDF : 12669505.8/20

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.908 ± 0.553 χ^2/NDF : 2.0/1

Right Out: 0.846 ± 0.500 χ^2/NDF : 14.1/19

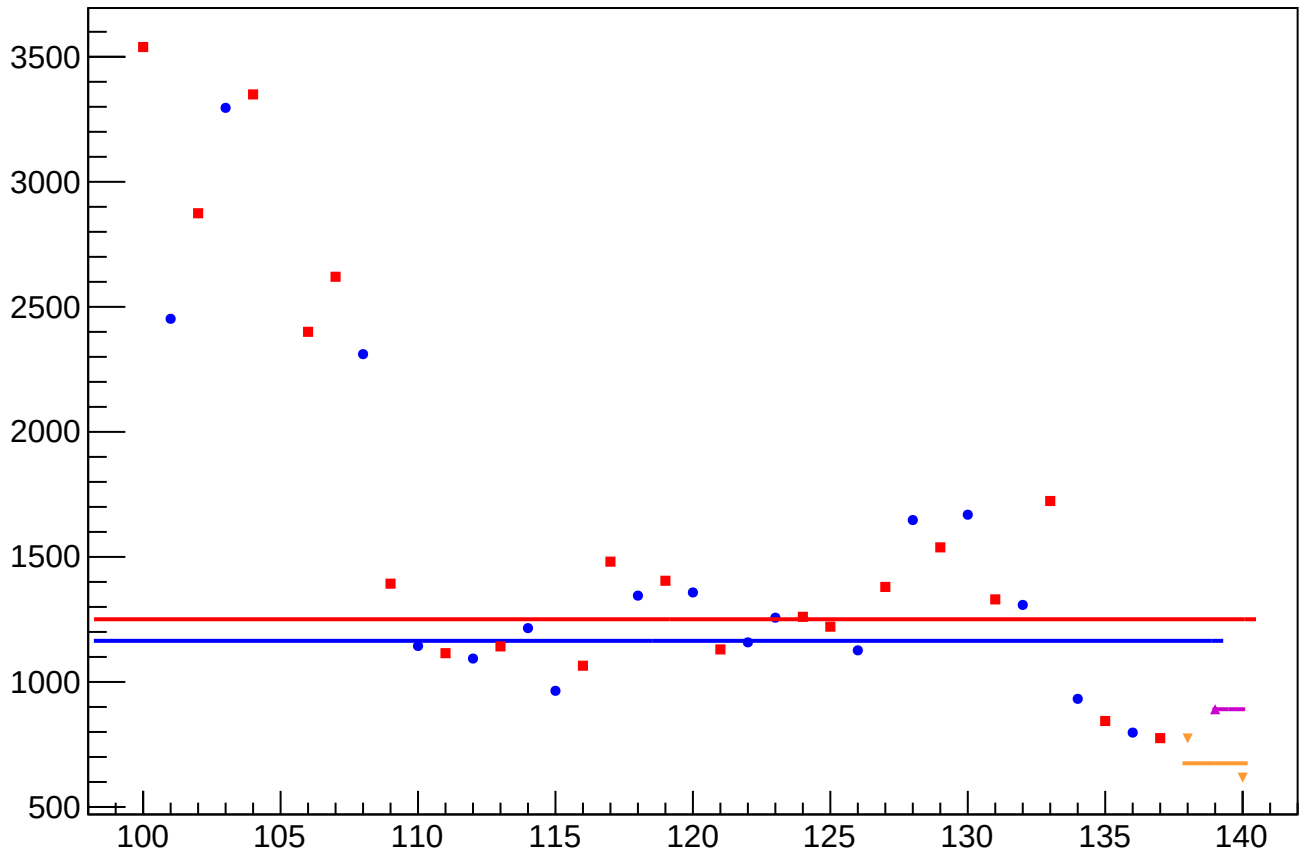
Left In: 1.476 ± 1.046 χ^2/NDF : 0.0/0

-0.777 ± 0.364 χ^2/NDF : 24.3/18

-0.090 ± 0.283 χ^2/NDF : 47.8/39

0.963 ± 0.451 χ^2/NDF : 14.4/20

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 674.677+/-0.391 χ^2/NDF : 37255.7/1

Right Out: 1250.738+/-0.354 χ^2/NDF : 1652238.9/19

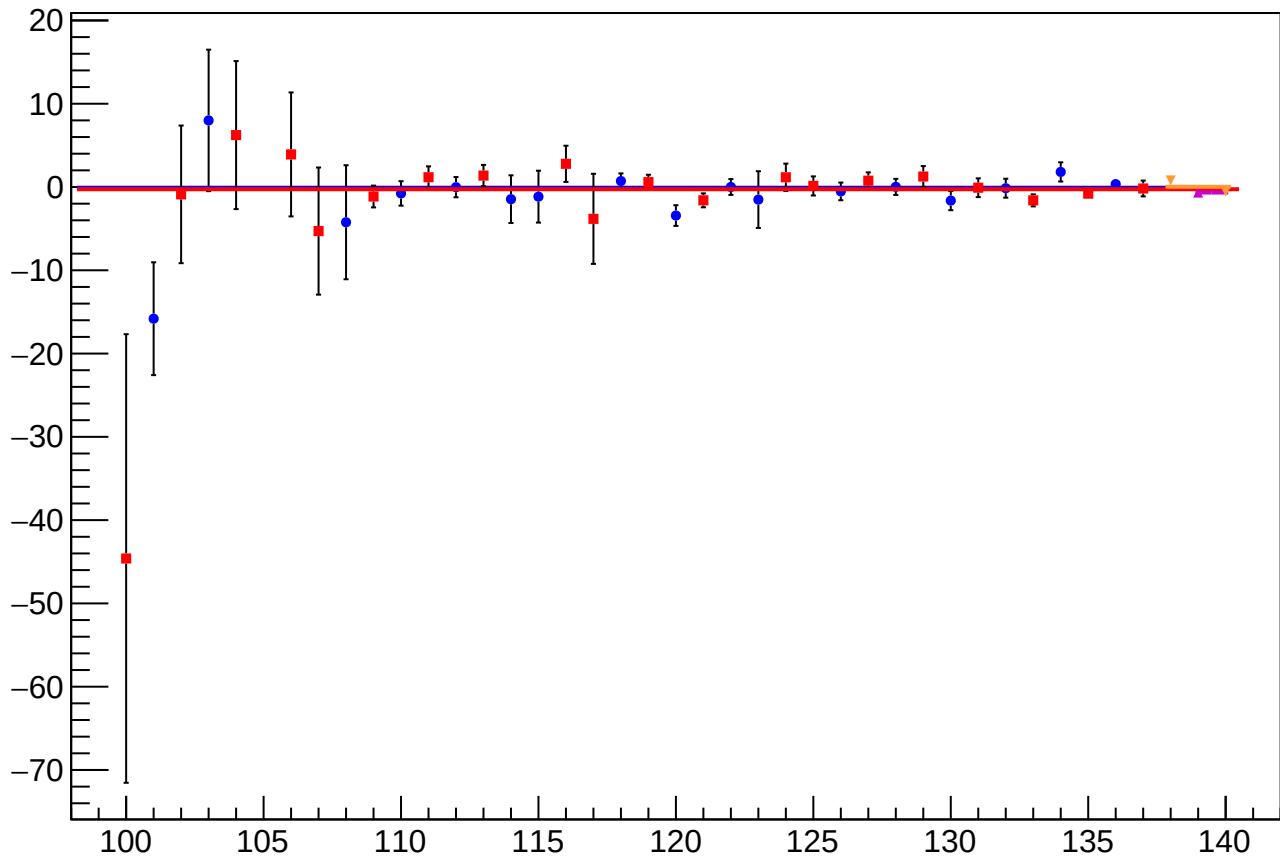
Left In: 890.937+/-0.740 χ^2/NDF : 0.0/0

952.008+/-0.258 χ^2/NDF : 2509348.0/18

1043.502+/-0.200 χ^2/NDF : 4673772.2/39

1183.824+/-0.319 χ^2/NDF : 1844806.5/20

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 $\pm$ 0.270 χ^2 /NDF: 21.1/16

Left Out: 0.026 $\pm$ 0.383 χ^2 /NDF: 2.9/1

Right Out: -0.268 $\pm$ 0.264 χ^2 /NDF: 20.9/19

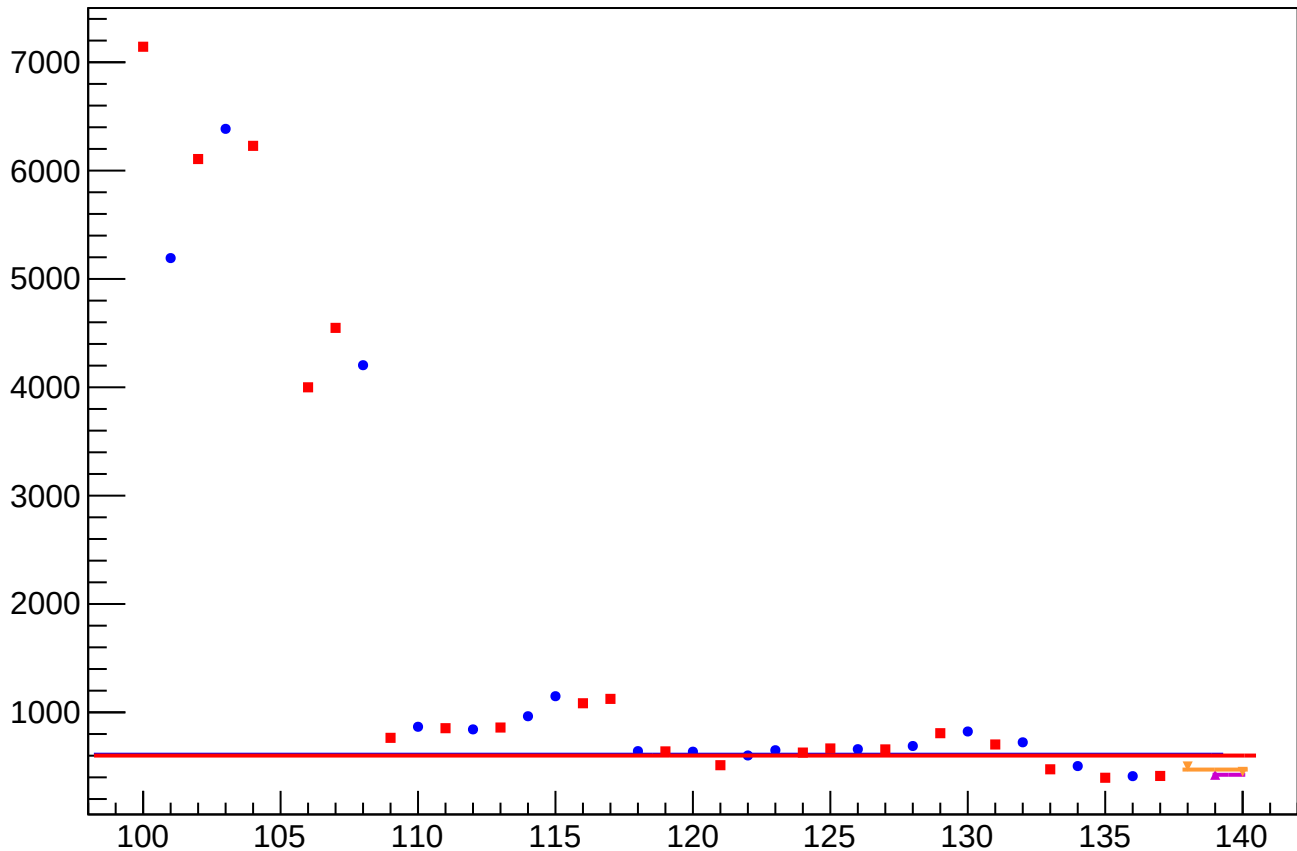
Left In: -0.664 $\pm$ 0.500 χ^2 /NDF: 0.0/0

-0.048 $\pm$ 0.221 χ^2 /NDF: 24.1/18

-0.193 $\pm$ 0.160 χ^2 /NDF: 46.3/39

-0.354 $\pm$ 0.233 χ^2 /NDF: 21.4/20

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 471.861+/-0.271 χ^2/NDF : 8327.6/1

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

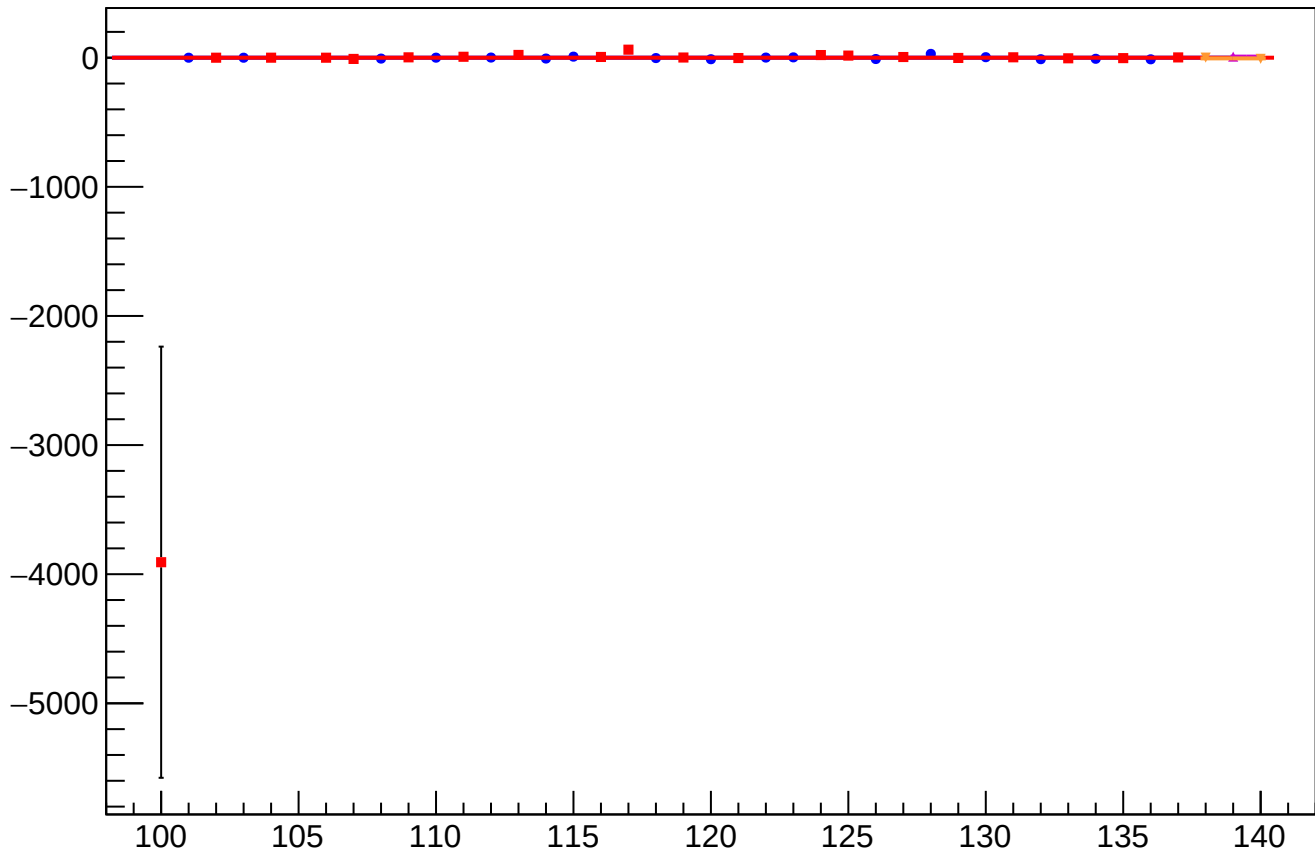
Left In: 423.835+/-0.354 χ^2/NDF : 0.0/0

563.427+/-0.156 χ^2/NDF : 3318907.6/18

562.994+/-0.113 χ^2/NDF : 7081892.2/39

562.511+/-0.165 χ^2/NDF : 3762968.4/20

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 15.3/16

Left Out: -5.254 $\pm$ 3.195 χ^2 /NDF: 2.0/1

Right Out: 0.027 $\pm$ 0.020 χ^2 /NDF: 19.8/19

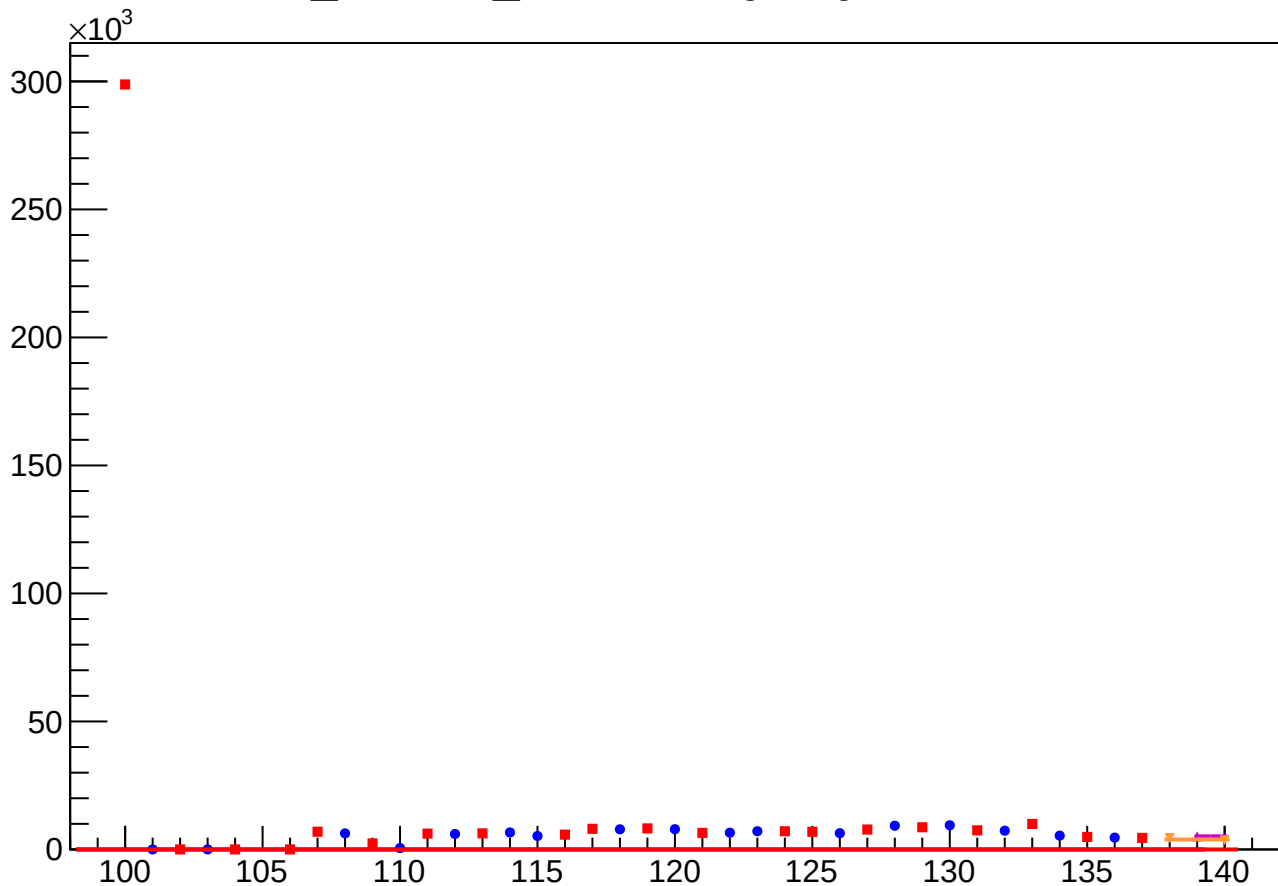
Left In: 8.493 $\pm$ 6.023 χ^2 /NDF: 0.0/0

-0.022 $\pm$ 0.021 χ^2 /NDF: 20.0/18

0.004 $\pm$ 0.014 χ^2 /NDF: 44.7/39

0.027 $\pm$ 0.020 χ^2 /NDF: 21.8/20

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2/NDF : 10359409.4/16

Left Out: 3897.876 $\pm$ 2.259 χ^2/NDF : 34935.0/1

Right Out: 17.270 $\pm$ 0.014 χ^2/NDF : 10899577.1/19

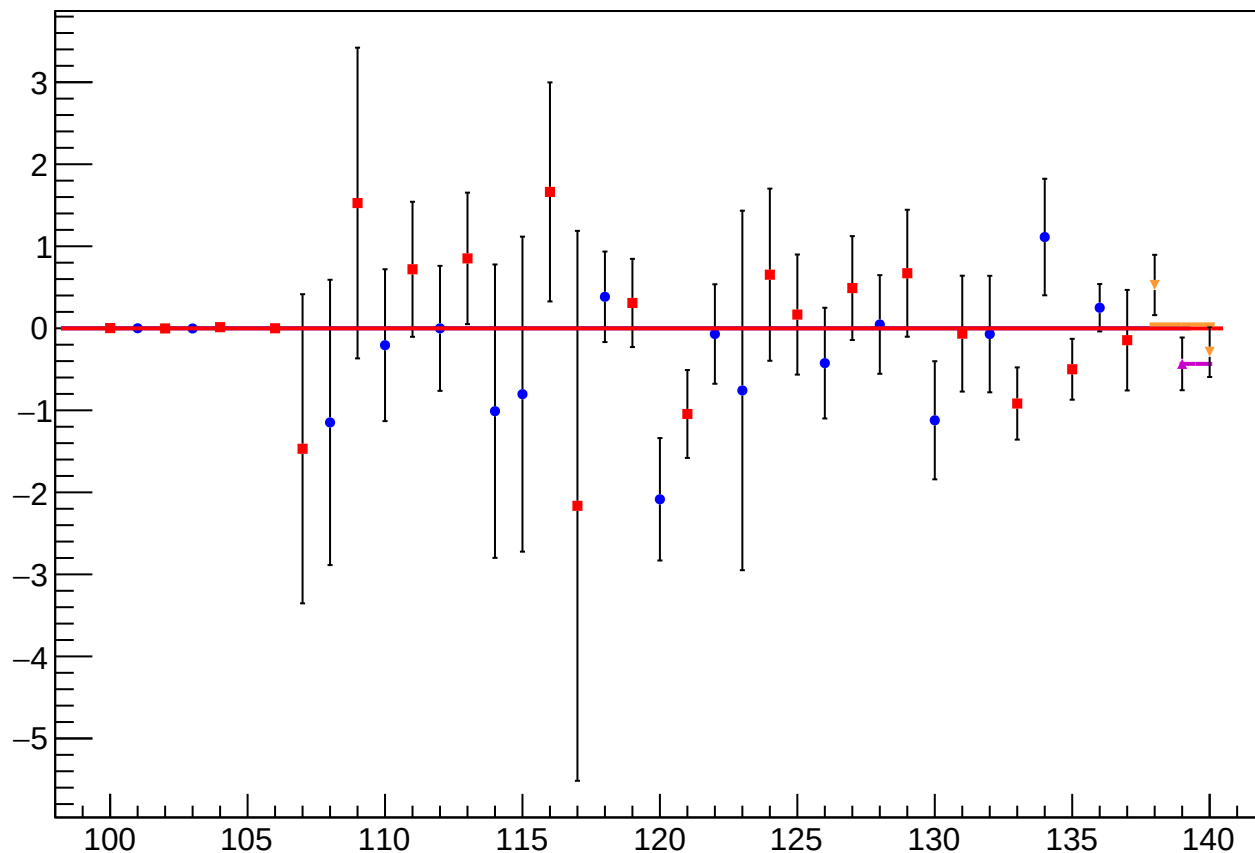
Left In: 5129.407 $\pm$ 4.259 χ^2/NDF : 0.0/0

17.501 $\pm$ 0.015 χ^2/NDF : 13344884.0/18

17.409 $\pm$ 0.010 χ^2/NDF : 25685408.2/39

17.325 $\pm$ 0.014 χ^2/NDF : 12340449.2/20

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.002 χ^2/NDF : 15.6/16

Left Out: 0.047+/-0.236 χ^2/NDF : 2.9/1

Right Out: -0.001+/-0.002 χ^2/NDF : 18.2/19

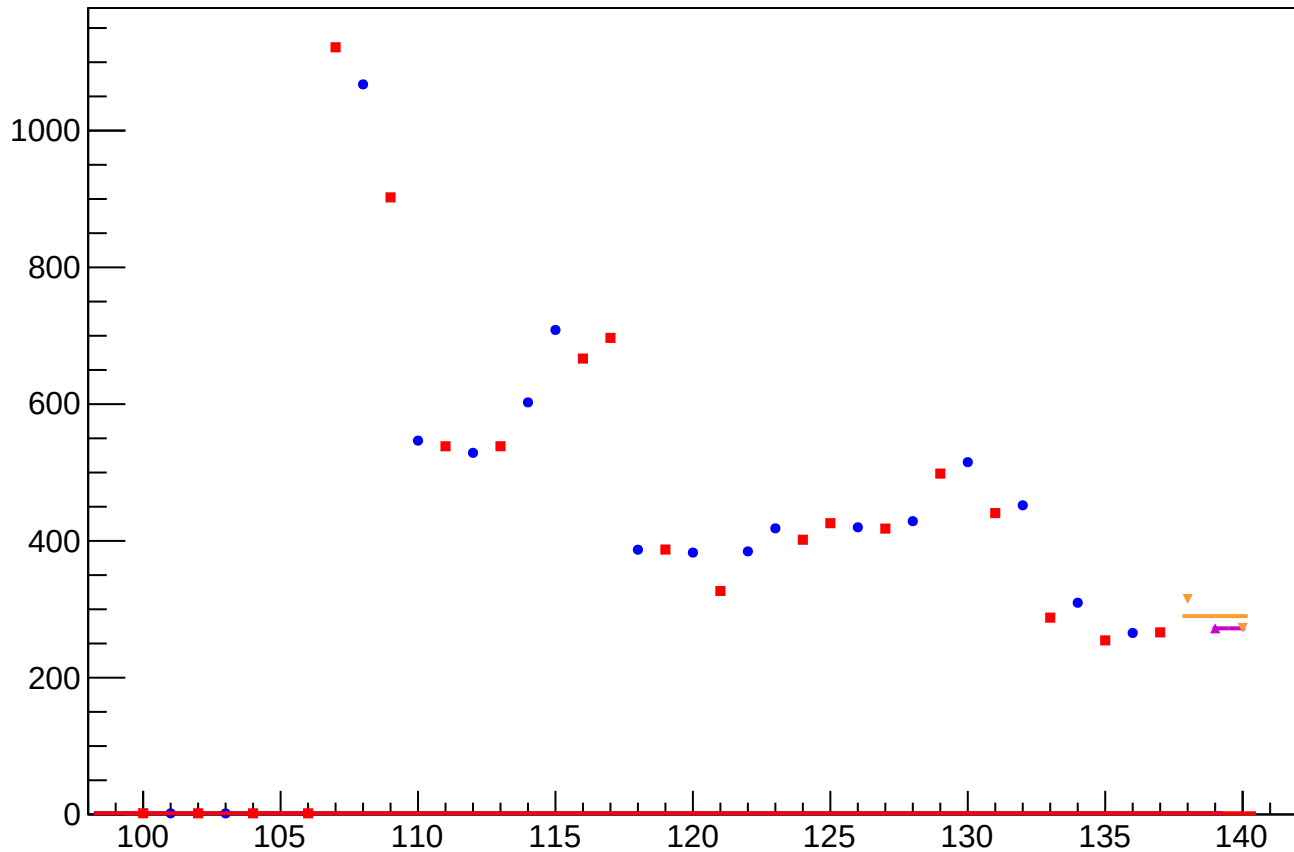
Left In: -0.434+/-0.321 χ^2/NDF : 0.0/0

0.000+/-0.002 χ^2/NDF : 18.6/18

-0.000+/-0.001 χ^2/NDF : 38.8/39

-0.001+/-0.002 χ^2/NDF : 20.0/20

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 290.052+/-0.167 χ^2/NDF :15536.9/1

Right Out: 1.729+/-0.001 χ^2/NDF : 10822679.1/19

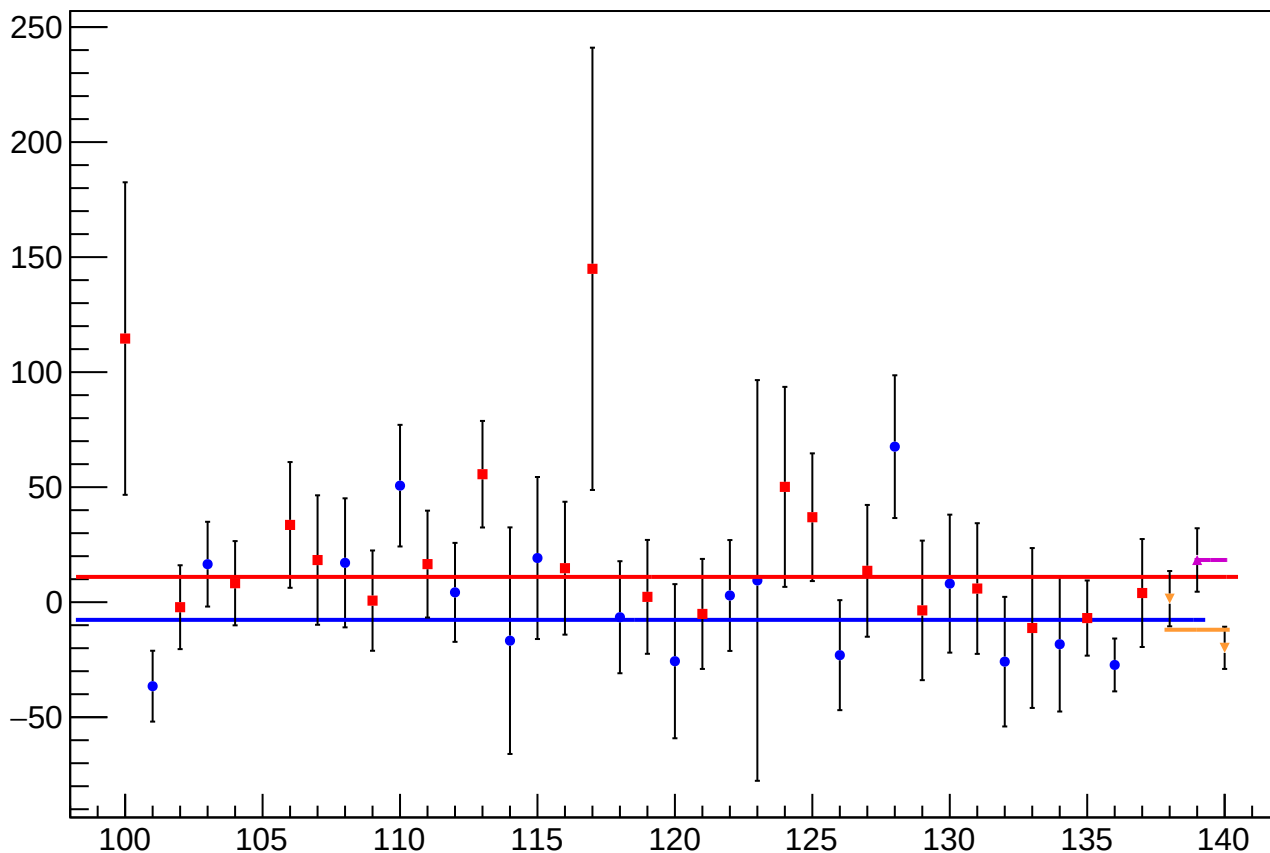
Left In: 272.154+/-0.227 χ^2/NDF :0.0/0

1.720+/-0.001 χ^2/NDF : 13924831.2/18

1.730+/-0.001 χ^2/NDF : 26163978.1/39

1.738+/-0.001 χ^2/NDF : 12239058.6/20

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 $\pm$ 5.627 χ^2/NDF : 22.4/16

Left Out: -11.980 $\pm$ 7.291 χ^2/NDF : 2.0/1

Right Out: 10.992 $\pm$ 5.672 χ^2/NDF : 13.8/19

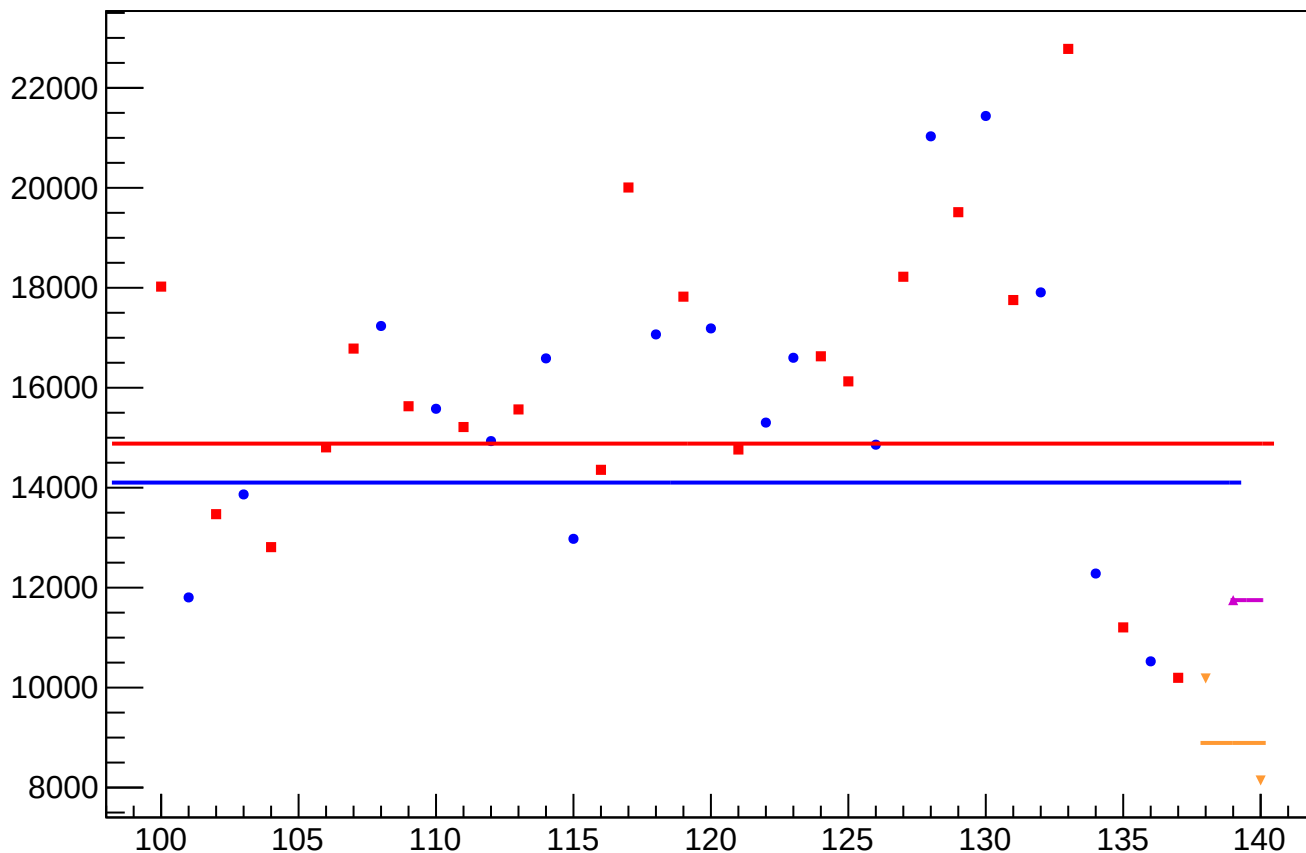
Left In: 18.344 $\pm$ 13.797 χ^2/NDF : 0.0/0

-9.287 $\pm$ 4.455 χ^2/NDF : 24.6/18

-0.346 $\pm$ 3.396 χ^2/NDF : 48.2/39

12.055 $\pm$ 5.246 χ^2/NDF : 14.0/20

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 8892.866+/-5.156 χ^2/NDF : 36452.0/1

Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

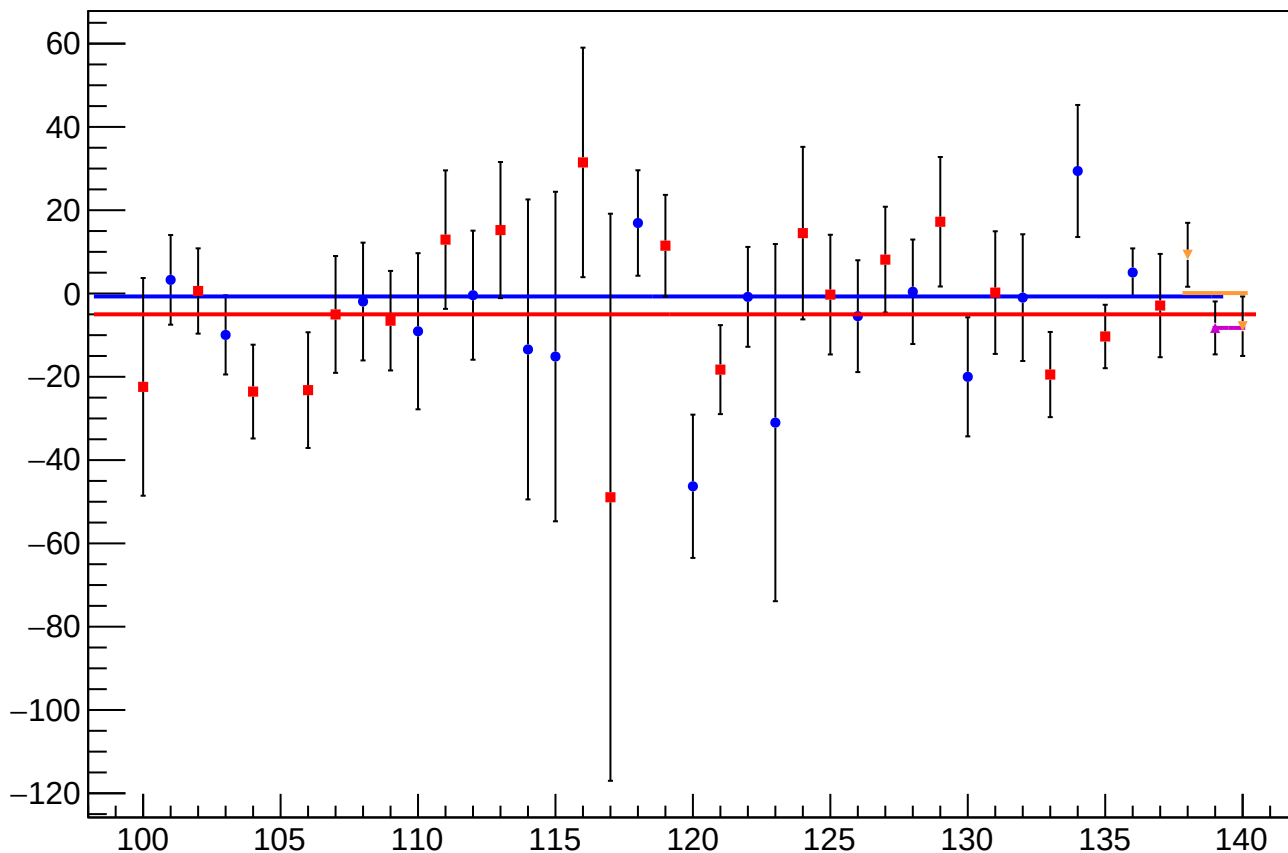
Left In: 11750.370+/-9.756 χ^2/NDF : 0.0/0

12157.861+/-3.150 χ^2/NDF : 1275263.9/18

13109.476+/-2.401 χ^2/NDF : 2057225.8/3

14429.255+/-3.710 χ^2/NDF : 564128.8/20

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 $\pm$ 3.084 χ^2/NDF : 17.6/16

Left Out: 0.105 $\pm$ 5.228 χ^2/NDF : 2.7/1

Right Out: -5.000 $\pm$ 2.937 χ^2/NDF : 20.2/19

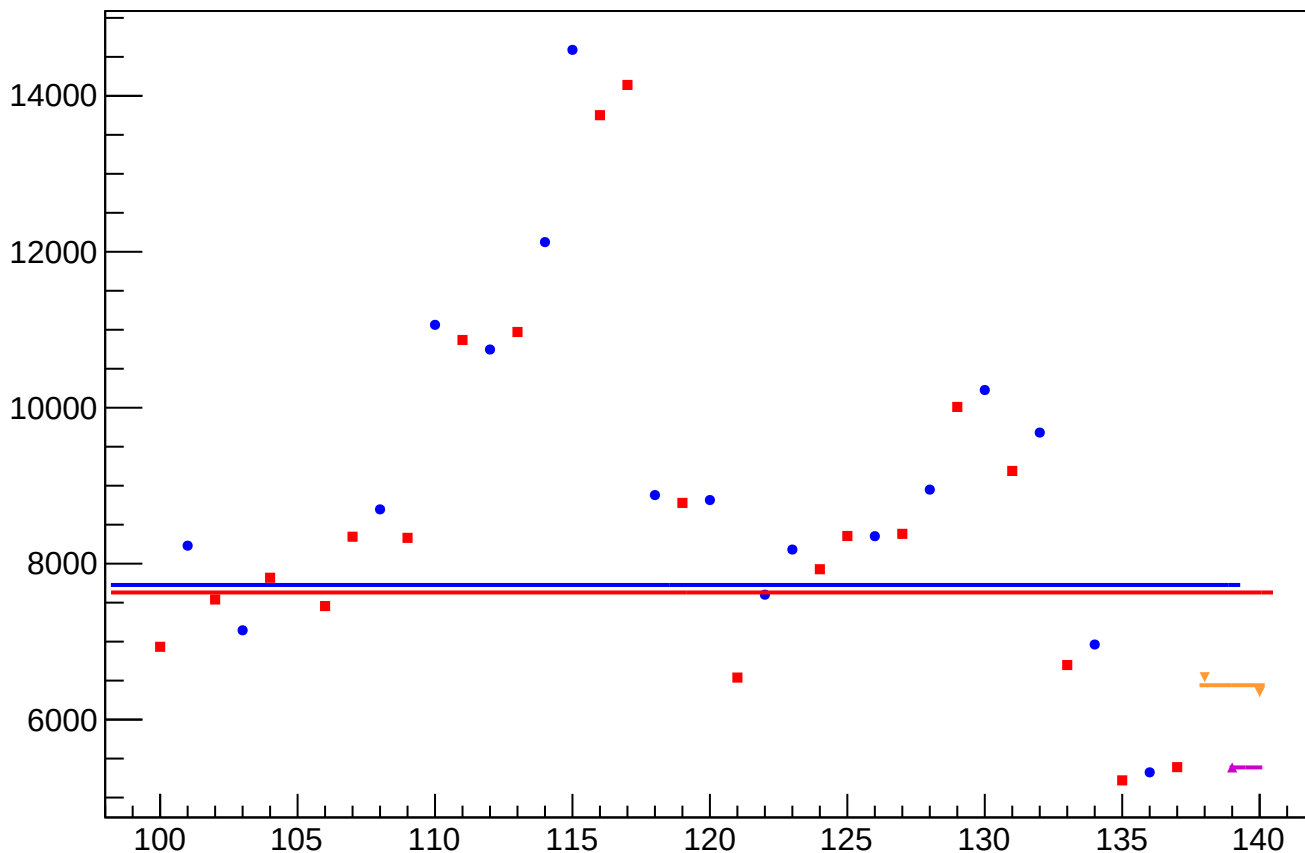
Left In: -8.260 $\pm$ 6.355 χ^2/NDF : 0.0/0

-0.498 $\pm$ 2.656 χ^2/NDF : 20.3/18

-3.027 $\pm$ 1.882 χ^2/NDF : 42.5/39

-5.574 $\pm$ 2.666 χ^2/NDF : 20.4/20

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 6440.622 $\pm$ 3.697 χ^2 /NDF:665.0/1

Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

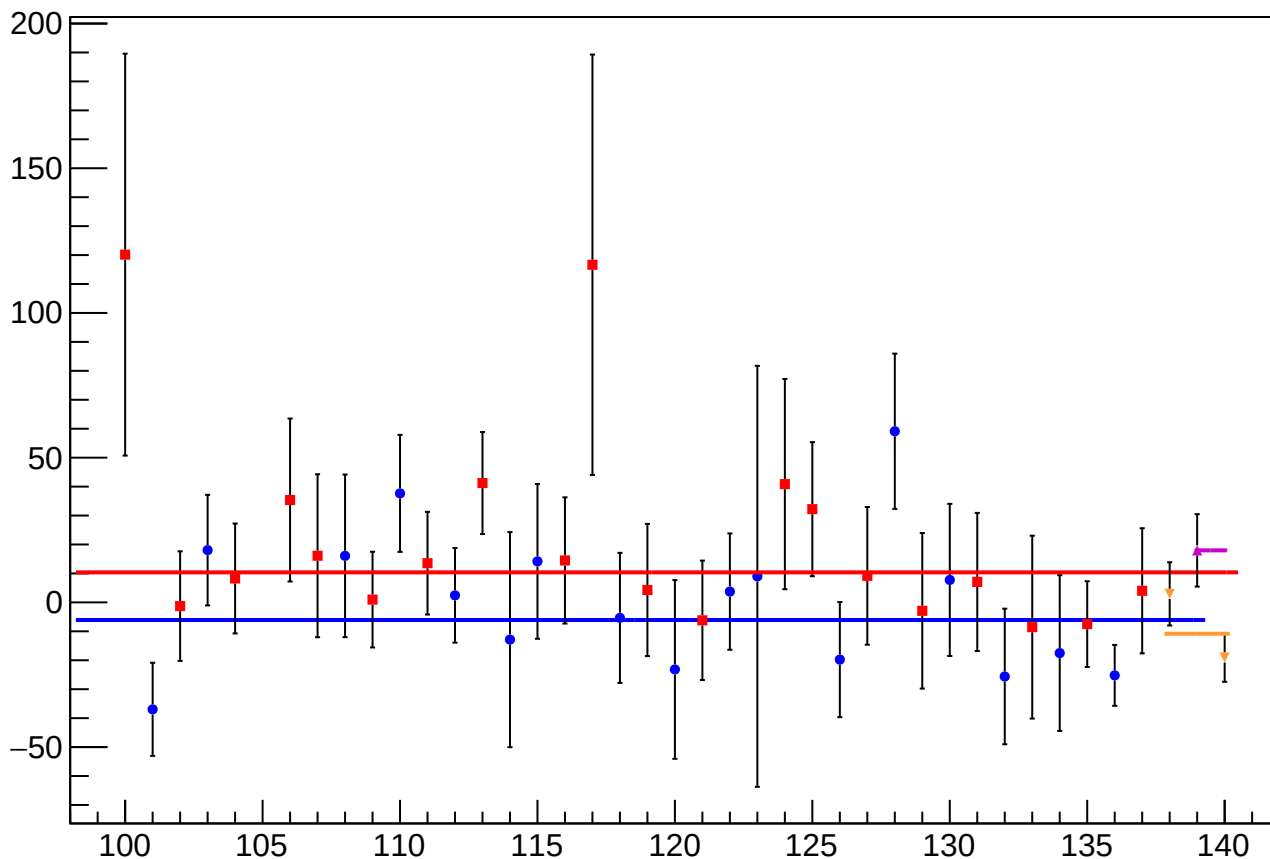
Left In: 5386.431 $\pm$ 4.493 χ^2 /NDF:0.0/0

7394.790 $\pm$ 1.878 χ^2 /NDF: 832982.8/18

7315.402 $\pm$ 1.330 χ^2 /NDF: 1735508.3/39

7235.418 $\pm$ 1.885 χ^2 /NDF: 898938.2/20

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -10.841 ± 6.669 $\chi^2/\text{NDF}: 2.5/1$

Right Out: 10.369 ± 4.992 $\chi^2/\text{NDF}: 13.8/19$

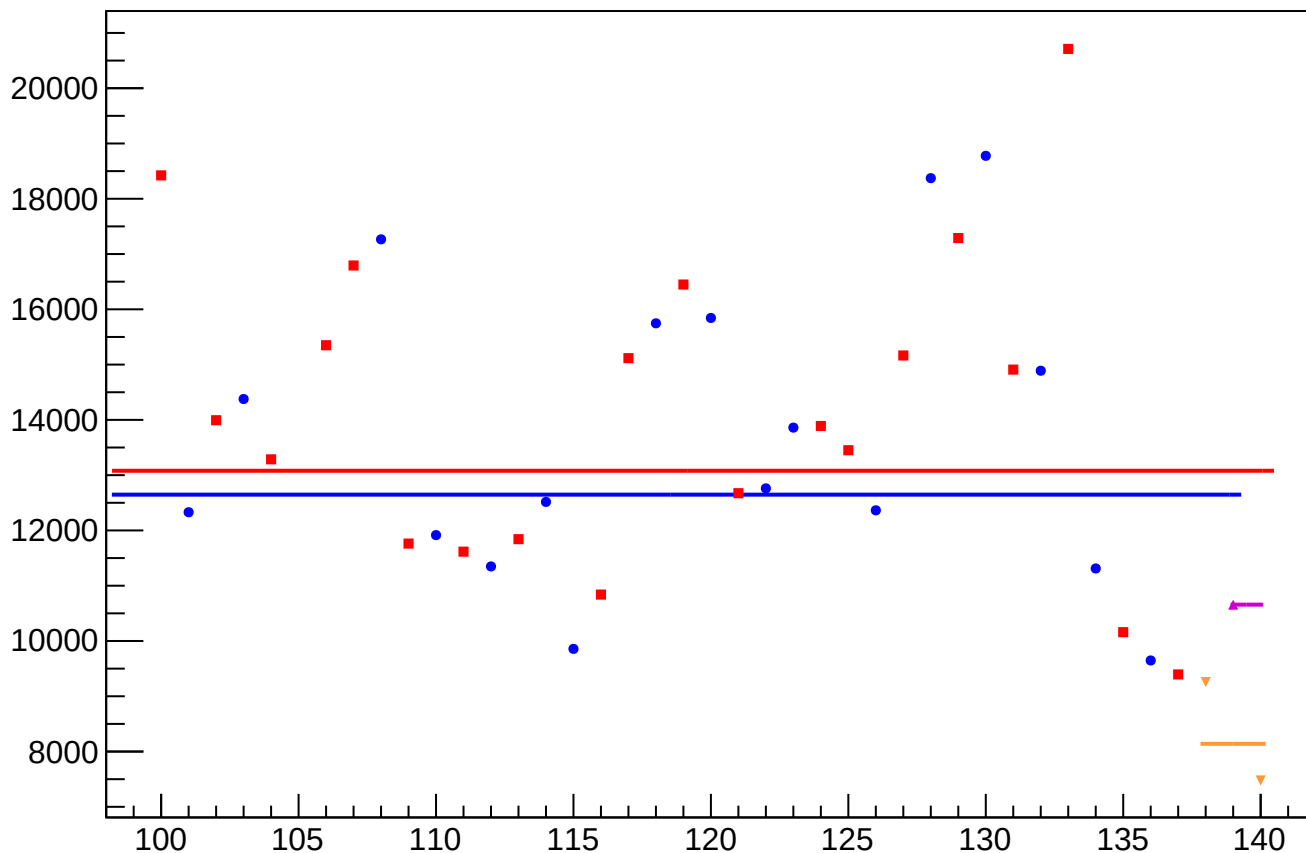
Left In: 17.969 ± 12.514 $\chi^2/\text{NDF}: 0.0/0$

-7.815 ± 4.018 $\chi^2/\text{NDF}: 25.7/18$

0.431 ± 3.036 $\chi^2/\text{NDF}: 49.7/39$

11.412 ± 4.636 $\chi^2/\text{NDF}: 14.1/20$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8140.032+/-4.716 χ^2/NDF : 33292.3/1

Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

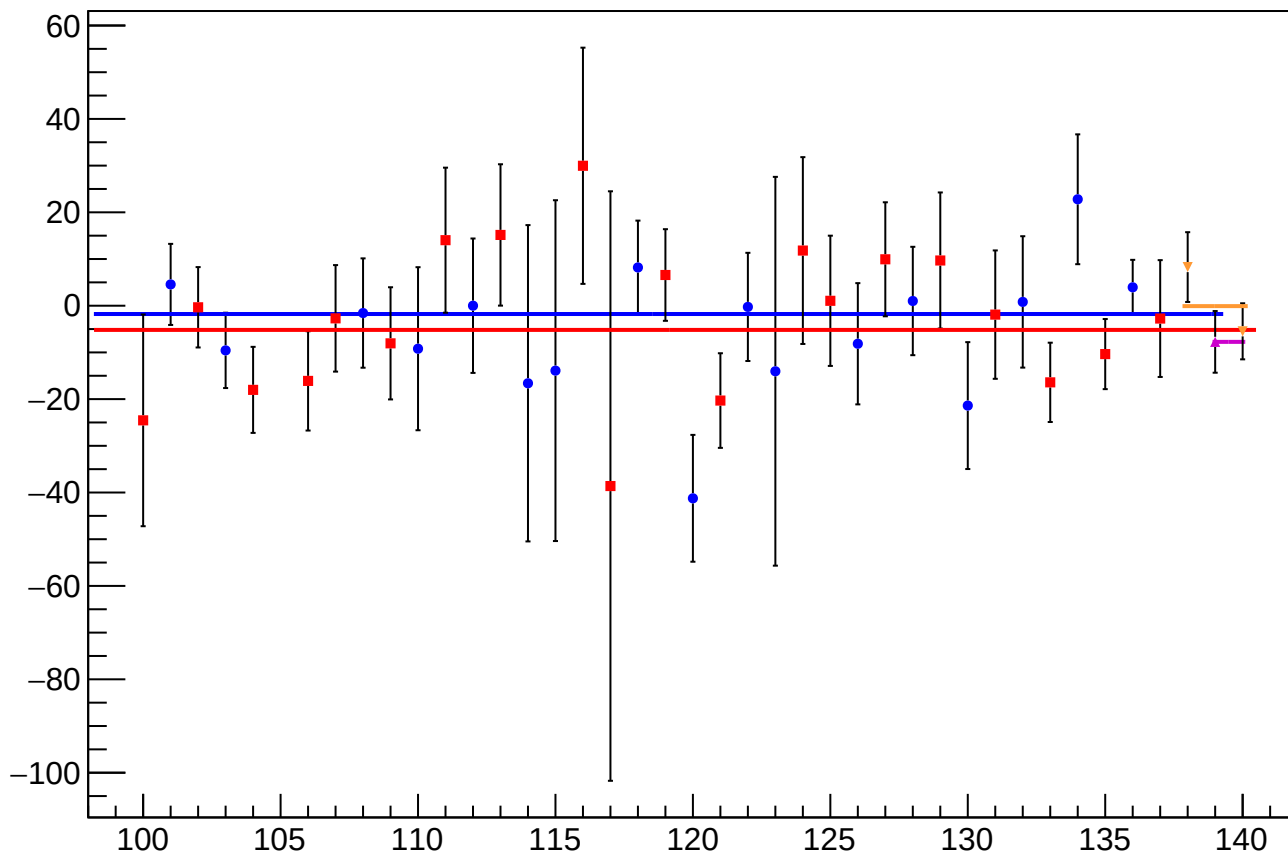
Left In: 10657.285+/-8.848 χ^2/NDF : 0.0/0

11011.472+/-2.841 χ^2/NDF : 1169571.4/18

11755.820+/-2.147 χ^2/NDF : 1892139.0/3

12747.060+/-3.278 χ^2/NDF : 562505.2/20

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 $\pm$ 2.806 χ^2/NDF : 18.0/16

Left Out: -0.087 $\pm$ 4.679 χ^2/NDF : 2.1/1

Right Out: -5.181 $\pm$ 2.640 χ^2/NDF : 19.2/19

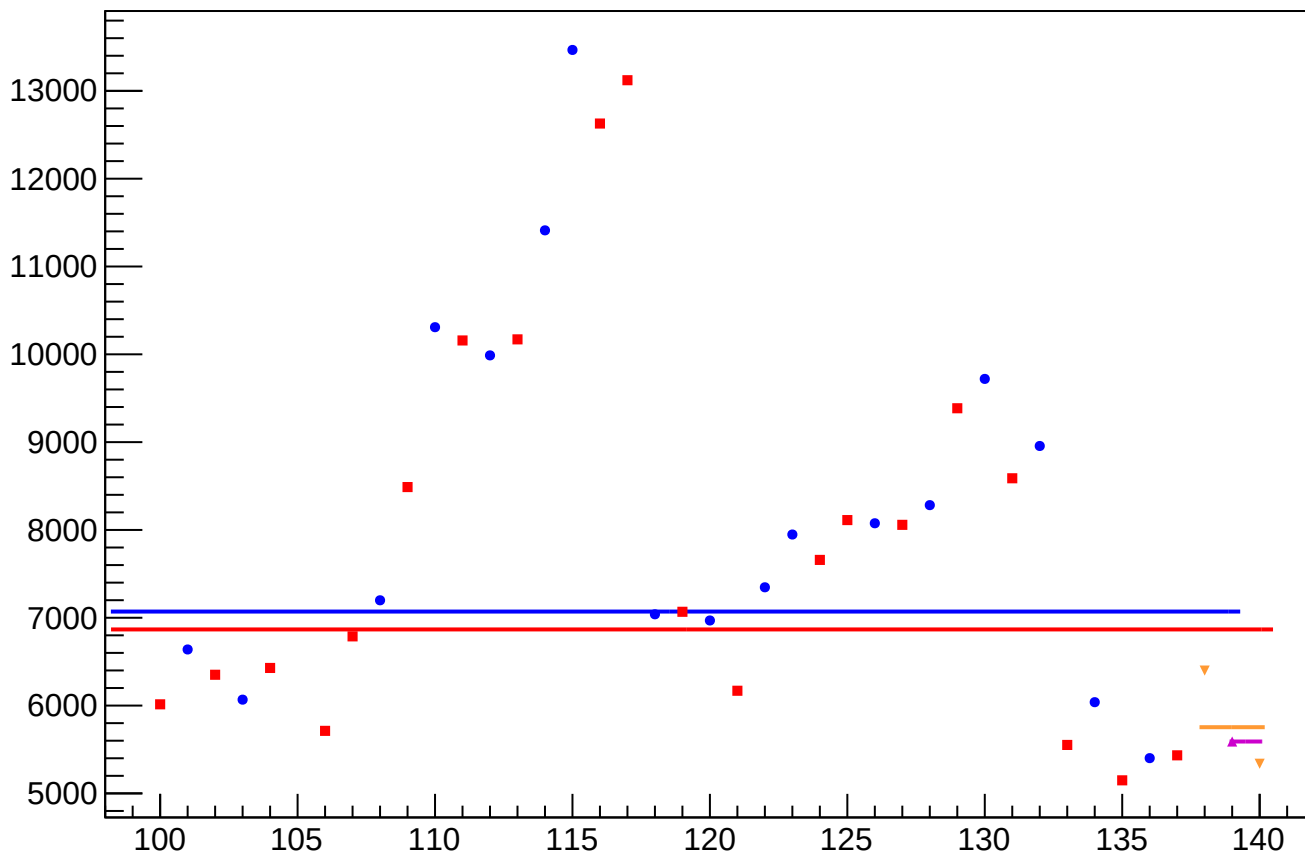
Left In: -7.741 $\pm$ 6.605 χ^2/NDF : 0.0/0

-1.330 $\pm$ 2.406 χ^2/NDF : 20.1/18

-3.393 $\pm$ 1.717 χ^2/NDF : 40.9/39

-5.533 $\pm$ 2.451 χ^2/NDF : 19.3/20

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672+/-1.984 χ^2/NDF : 601692.5/16

Left Out: 5753.837+/-3.309 χ^2/NDF : 24505.5/1

Right Out: 6867.094+/-1.866 χ^2/NDF : 701892.5/19

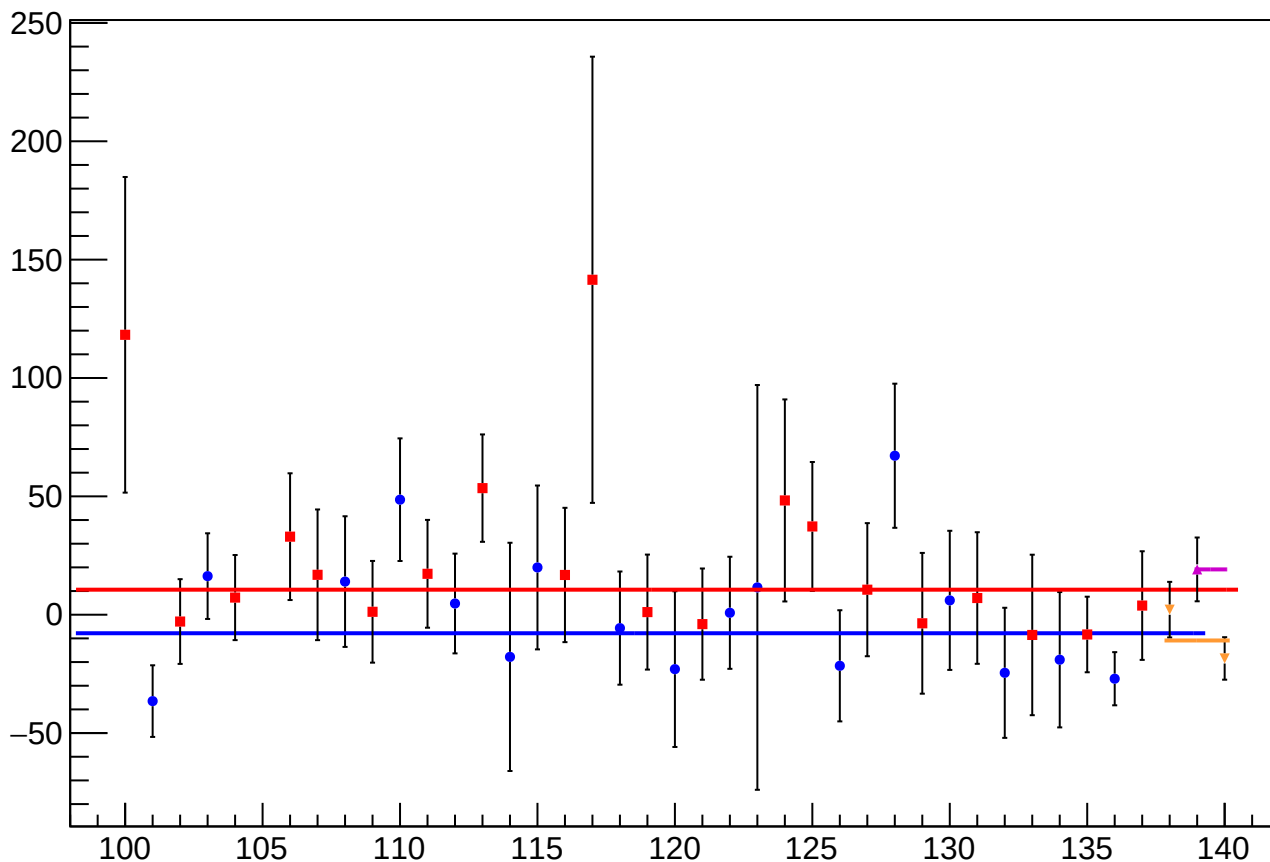
Left In: 5590.706+/-4.670 χ^2/NDF : 0.0/0

6722.388+/-1.702 χ^2/NDF : 742696.8/18

6707.135+/-1.214 χ^2/NDF : 1509158.3/39

6691.311+/-1.733 χ^2/NDF : 766297.8/20

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -10.881 ± 7.132 $\chi^2/\text{NDF}: 1.9/1$

Right Out: 10.574 ± 5.561 $\chi^2/\text{NDF}: 14.1/19$

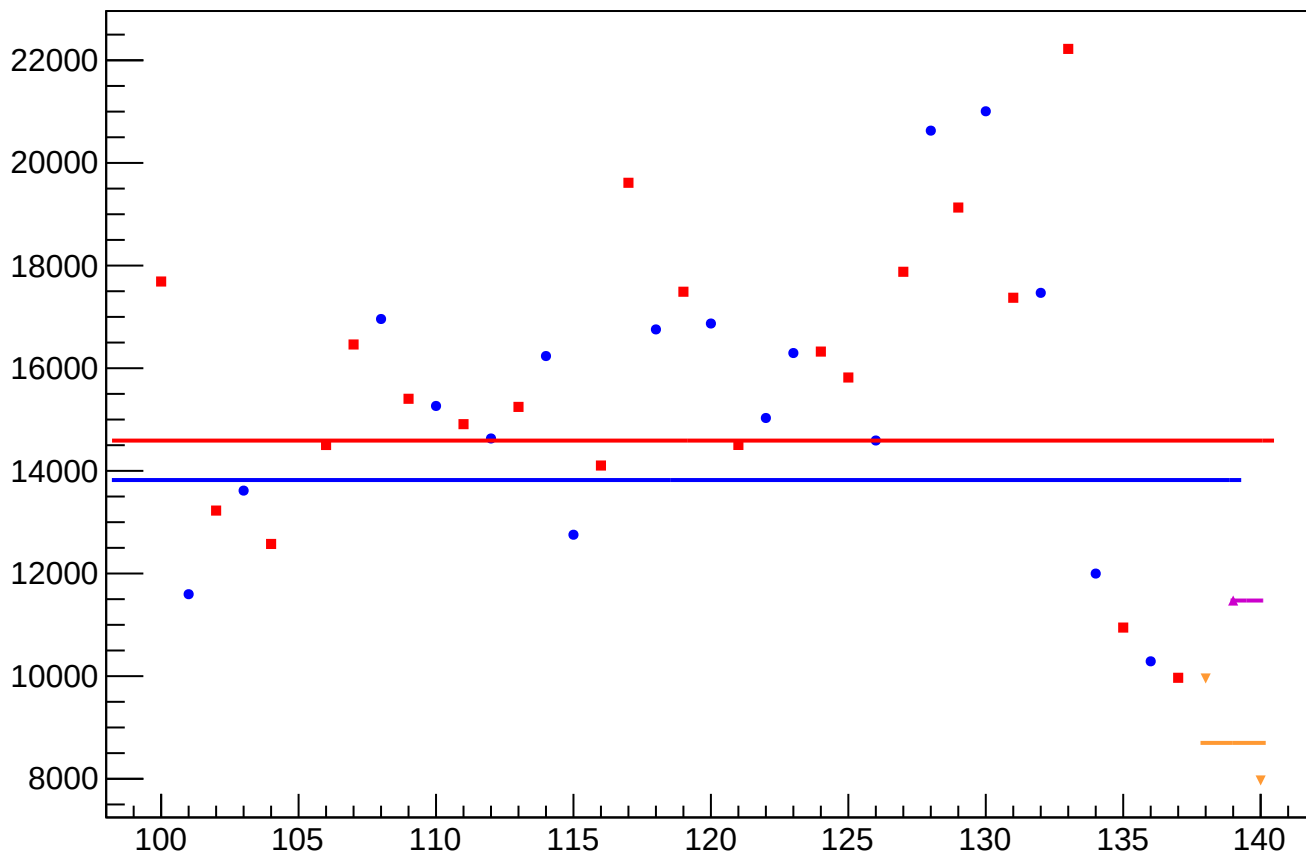
Left In: 19.143 ± 13.472 $\chi^2/\text{NDF}: 0.0/0$

-8.969 ± 4.363 $\chi^2/\text{NDF}: 24.3/18$

-0.263 ± 3.326 $\chi^2/\text{NDF}: 48.3/39$

11.822 ± 5.141 $\chi^2/\text{NDF}: 14.5/20$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2 /NDF: 602672.4/16

Left Out: 8699.652 $\pm$ 5.043 χ^2 /NDF:36132.0/1

Right Out: 14589.989 $\pm$ 3.933 χ^2 /NDF: 478169.1/19

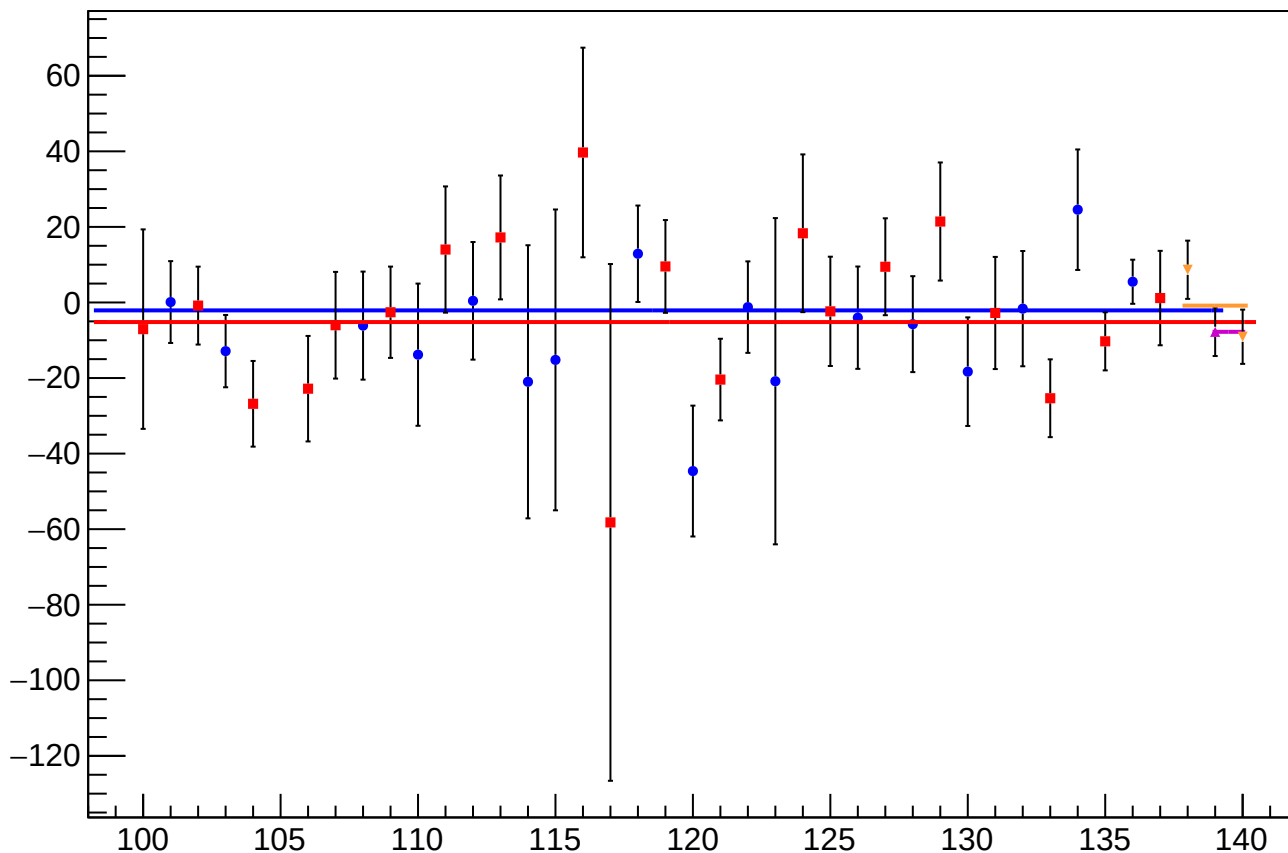
Left In: 11473.497 $\pm$ 9.526 χ^2 /NDF:0.0/0

11904.360 $\pm$ 3.085 χ^2 /NDF: 1284169.6/18

12838.908 $\pm$ 2.352 χ^2 /NDF: 2072913.9/3

14136.201 $\pm$ 3.635 χ^2 /NDF: 569616.6/20

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 $\pm$ 3.106 χ^2/NDF : 15.6/16

Left Out: -0.835 $\pm$ 5.254 χ^2/NDF : 2.8/1

Right Out: -5.184 $\pm$ 2.959 χ^2/NDF : 25.4/19

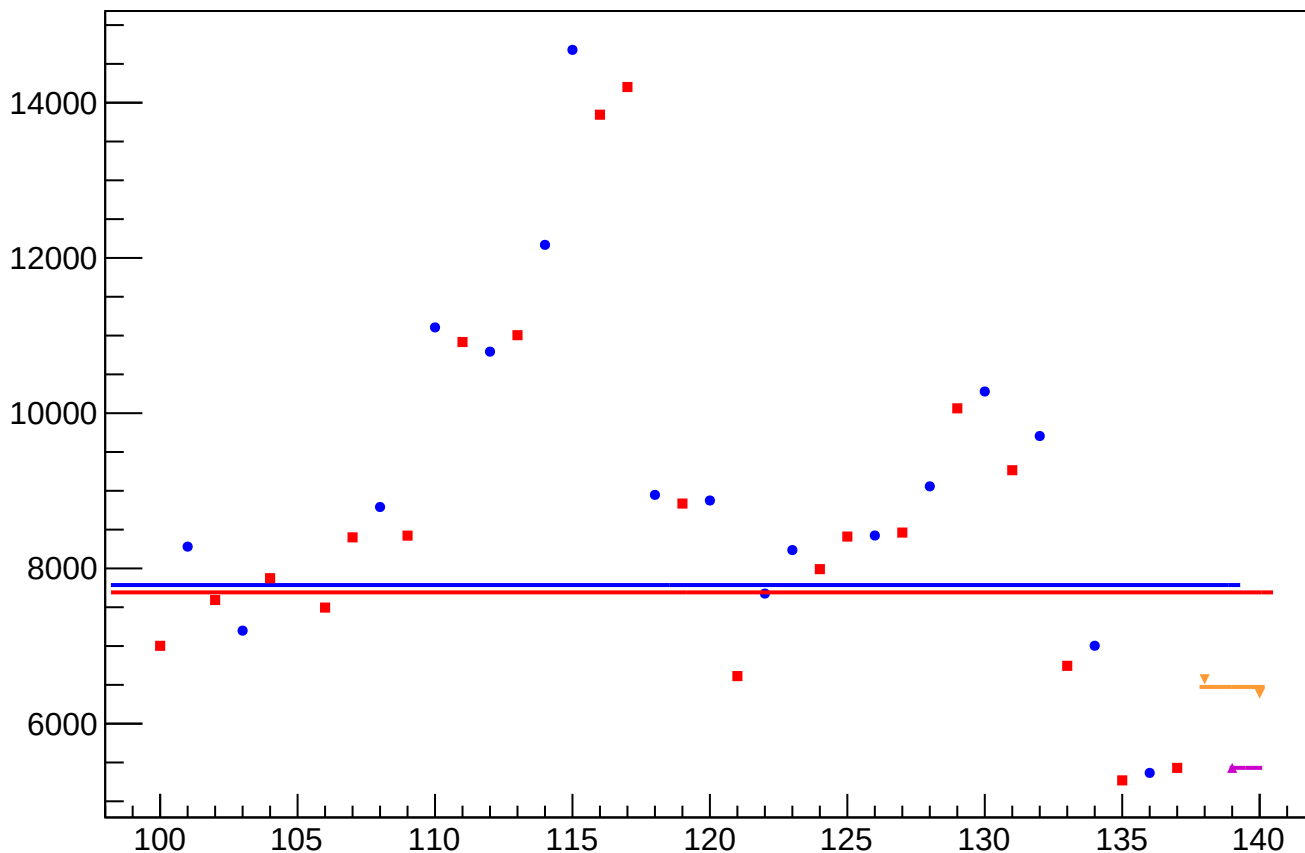
Left In: -7.771 $\pm$ 6.405 χ^2/NDF : 0.0/0

-1.771 $\pm$ 2.674 χ^2/NDF : 18.5/18

-3.696 $\pm$ 1.895 χ^2/NDF : 45.1/39

-5.639 $\pm$ 2.687 χ^2/NDF : 25.5/20

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 6473.162 $\pm$ 3.715 χ^2 /NDF: 616.8/1

Right Out: 7691.398 $\pm$ 2.093 χ^2 /NDF: 686898.9/19

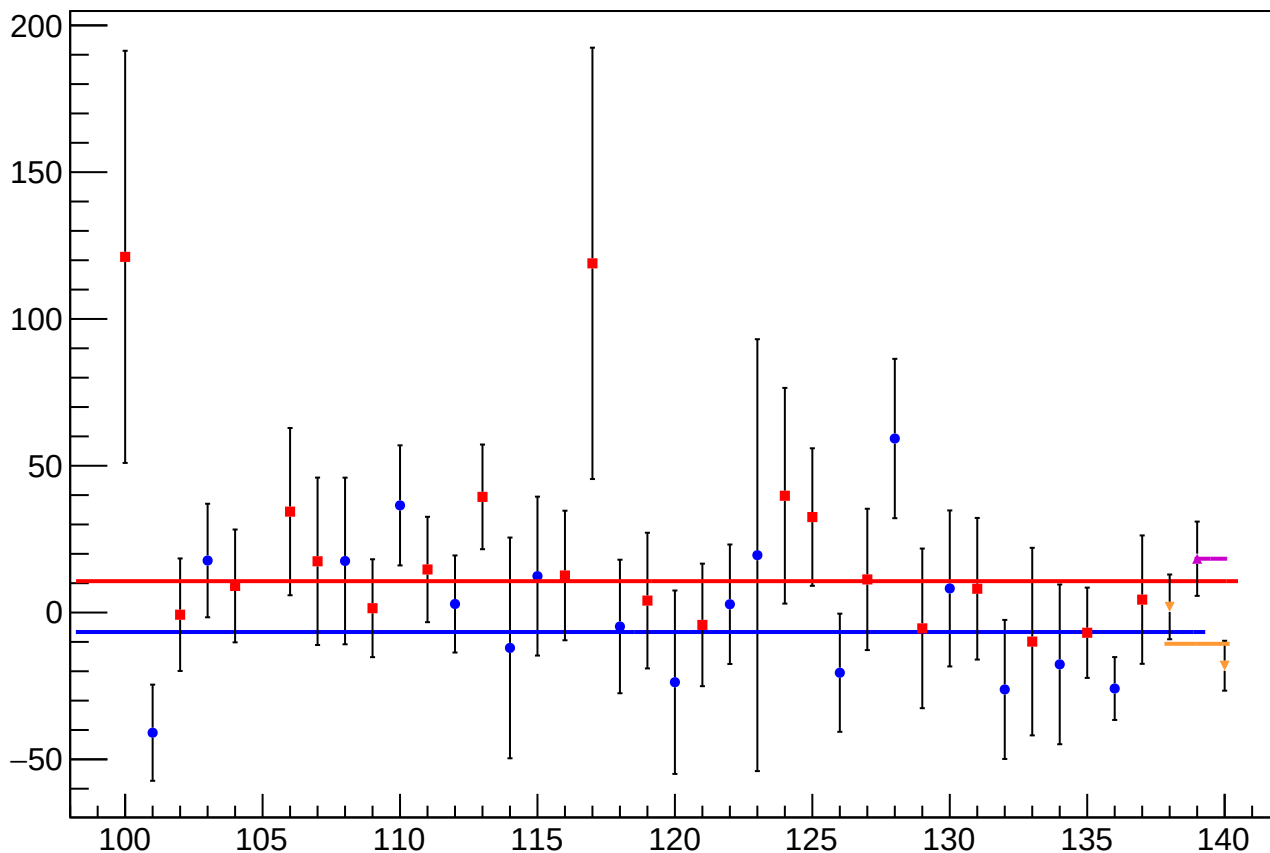
Left In: 5430.845 $\pm$ 4.529 χ^2 /NDF: 0.0/0

7445.842 $\pm$ 1.891 χ^2 /NDF: 831247.0/18

7370.129 $\pm$ 1.340 χ^2 /NDF: 1726662.3/39

7293.705 $\pm$ 1.900 χ^2 /NDF: 892193.3/20

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 $\pm$ 5.101 χ^2/NDF : 23.4/16

Left Out: -10.645 $\pm$ 6.731 χ^2/NDF : 2.1/1

Right Out: 10.688 $\pm$ 5.063 χ^2/NDF : 13.0/19

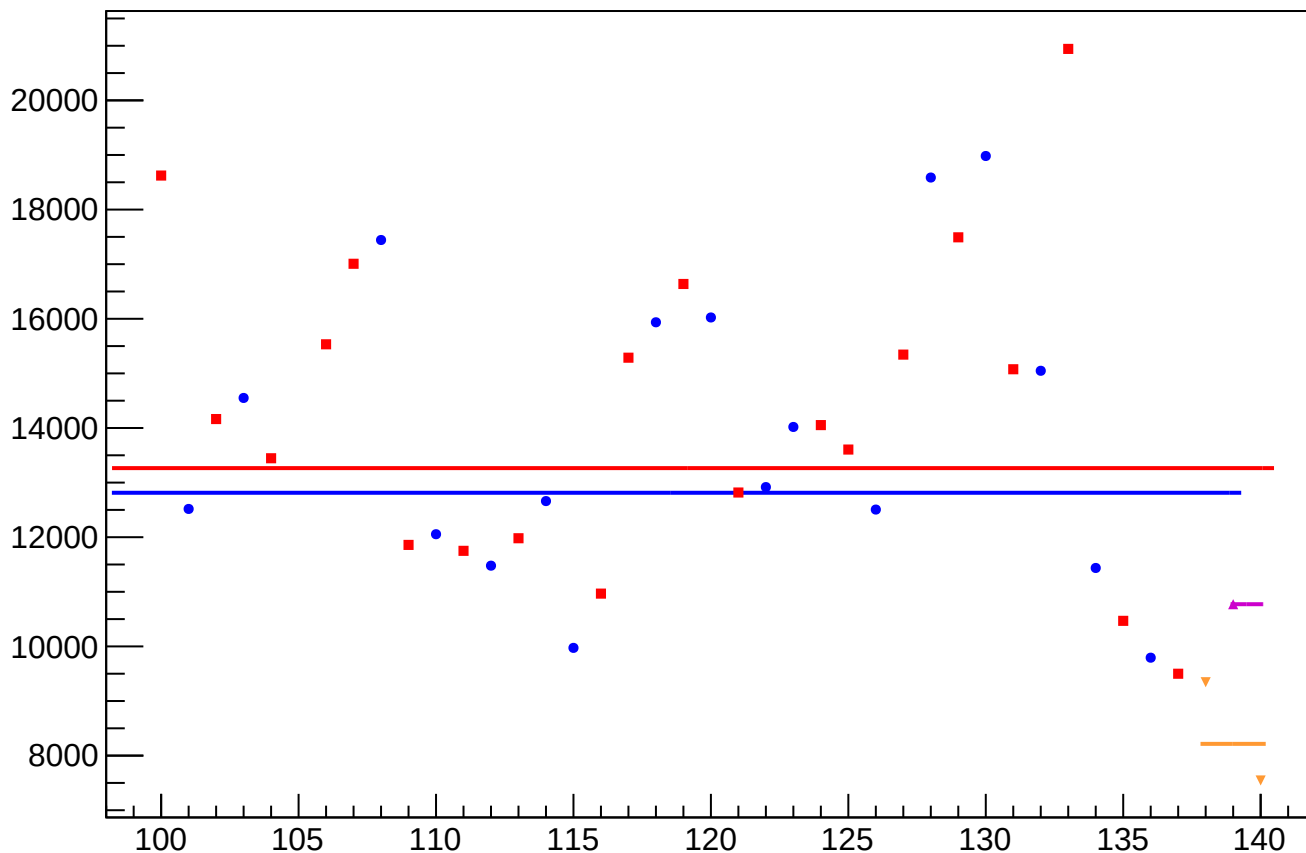
Left In: 18.332 $\pm$ 12.649 χ^2/NDF : 0.0/0

-8.098 $\pm$ 4.066 χ^2/NDF : 25.7/18

0.394 $\pm$ 3.075 χ^2/NDF : 49.2/39

11.744 $\pm$ 4.700 χ^2/NDF : 13.3/20

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726 $\pm$ 3.607 χ^2 /NDF: 548127.6/16

Left Out: 8215.214 $\pm$ 4.760 χ^2 /NDF:33403.4/1

Right Out: 13265.185 $\pm$ 3.580 χ^2 /NDF: 485810.1/19

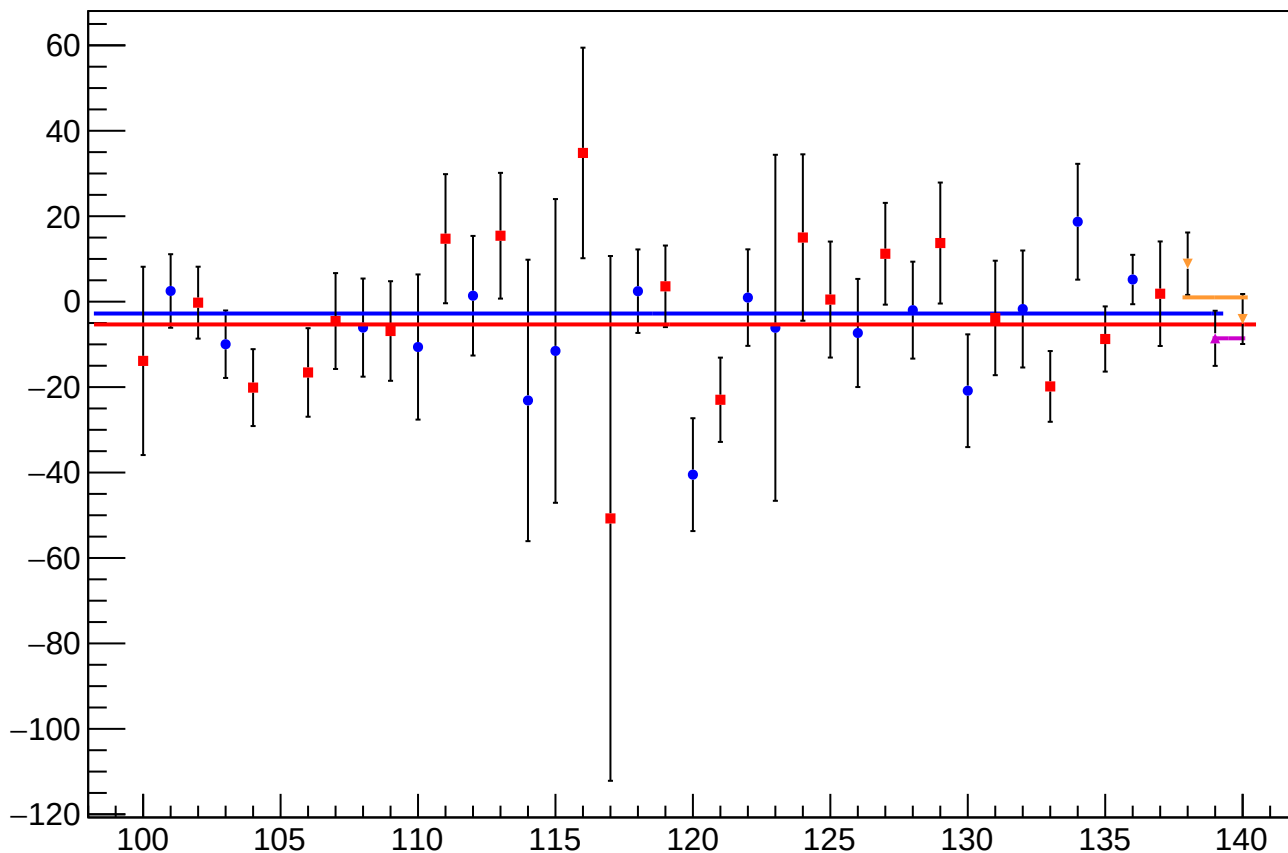
Left In: 10772.908 $\pm$ 8.944 χ^2 /NDF:0.0/0

11136.099 $\pm$ 2.875 χ^2 /NDF: 1174423.4/18

11900.045 $\pm$ 2.174 χ^2 /NDF: 1892145.3/3

12921.070 $\pm$ 3.324 χ^2 /NDF: 552731.1/20

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 $\pm$ 2.747 χ^2/NDF : 17.0/16

Left Out: 0.999 $\pm$ 4.566 χ^2/NDF : 1.9/1

Right Out: -5.332 $\pm$ 2.587 χ^2/NDF : 24.1/19

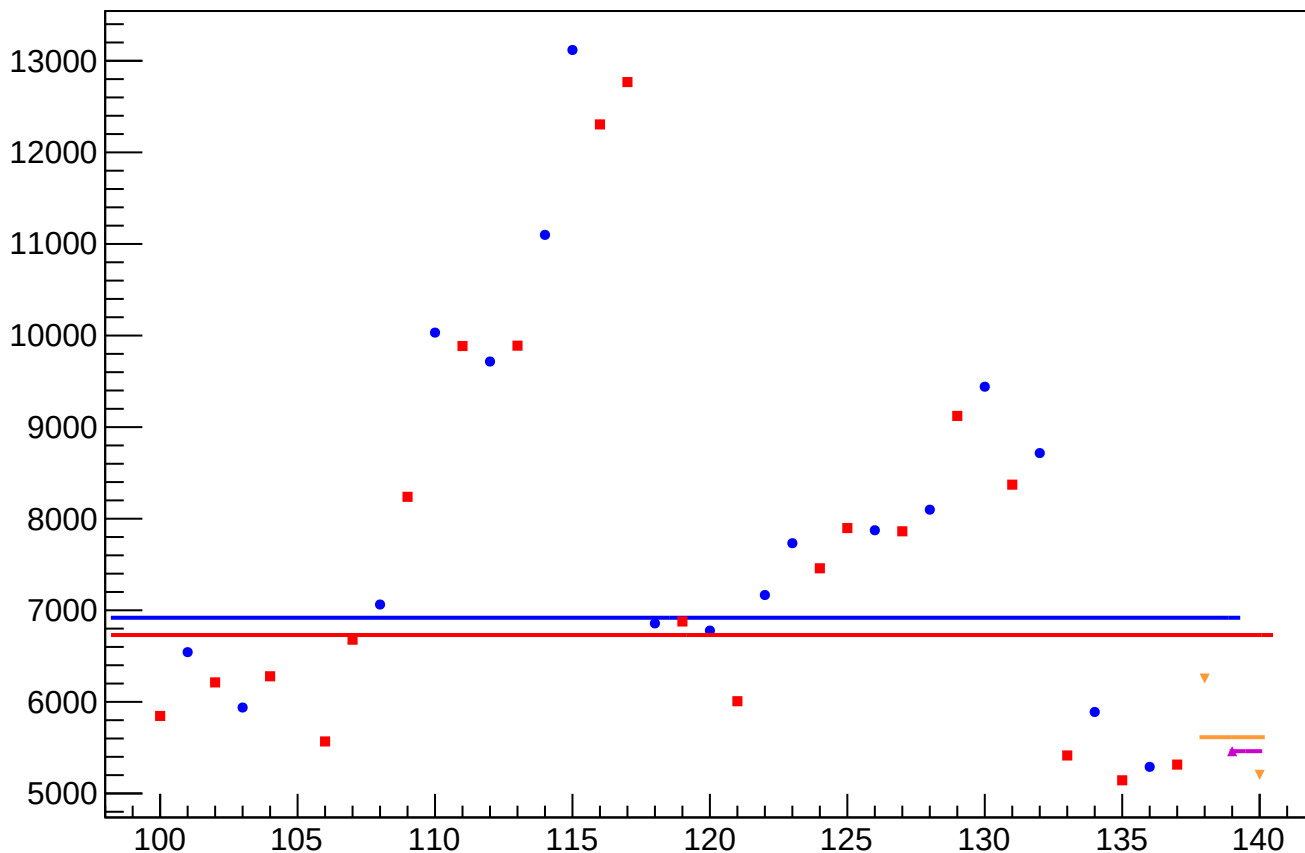
Left In: -8.581 $\pm$ 6.453 χ^2/NDF : 0.0/0

-1.774 $\pm$ 2.354 χ^2/NDF : 19.4/18

-3.738 $\pm$ 1.681 χ^2/NDF : 45.1/39

-5.782 $\pm$ 2.401 χ^2/NDF : 24.3/20

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 5614.195+/-3.229 χ^2/NDF : 25231.7/1

Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

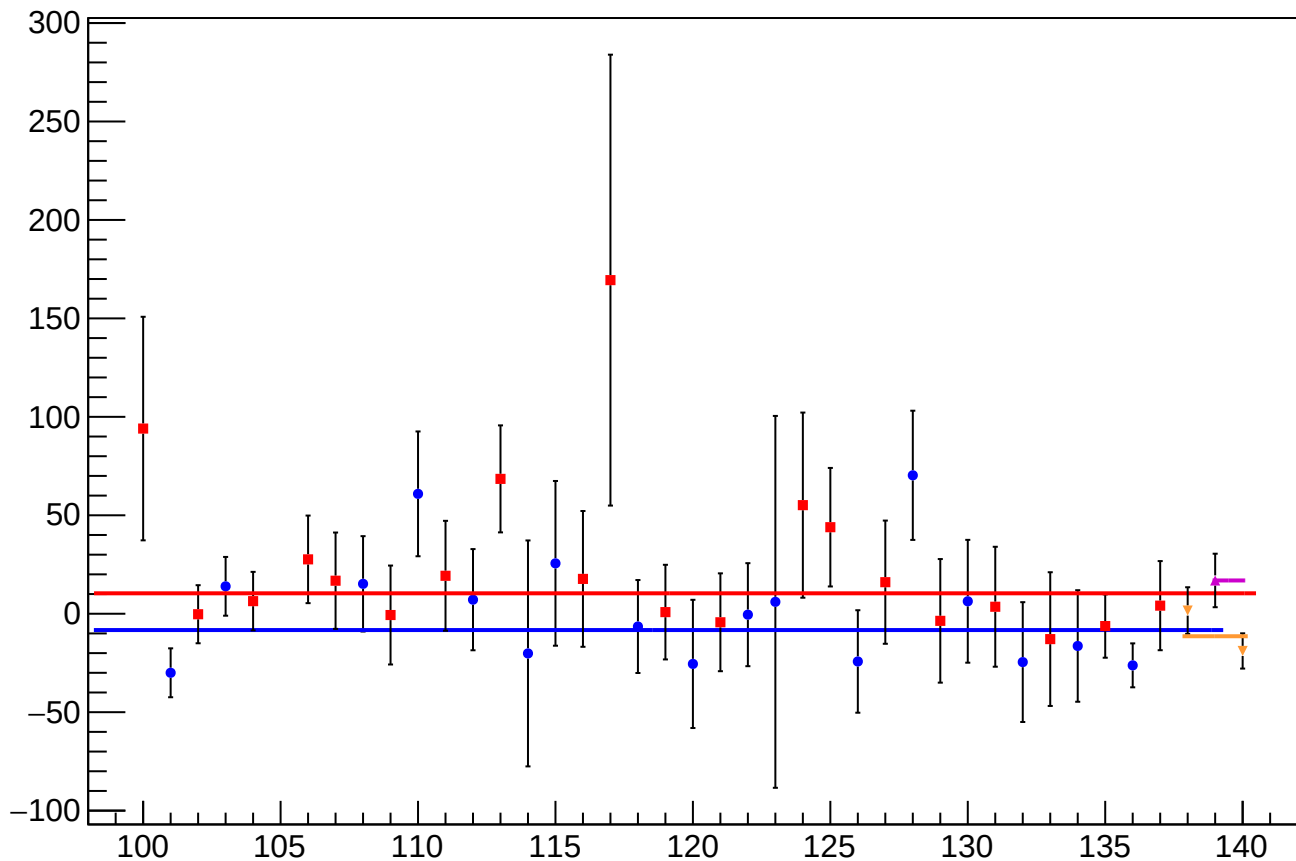
Left In: 5461.555+/-4.563 χ^2/NDF : 0.0/0

6571.920+/-1.665 χ^2/NDF : 733031.0/18

6563.351+/-1.189 χ^2/NDF : 1472871.3/39

6554.433+/-1.698 χ^2/NDF : 739786.2/20

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -11.428 ± 7.139 χ^2/NDF : 1.9/1

Right Out: 10.376 ± 5.507 χ^2/NDF : 14.8/19

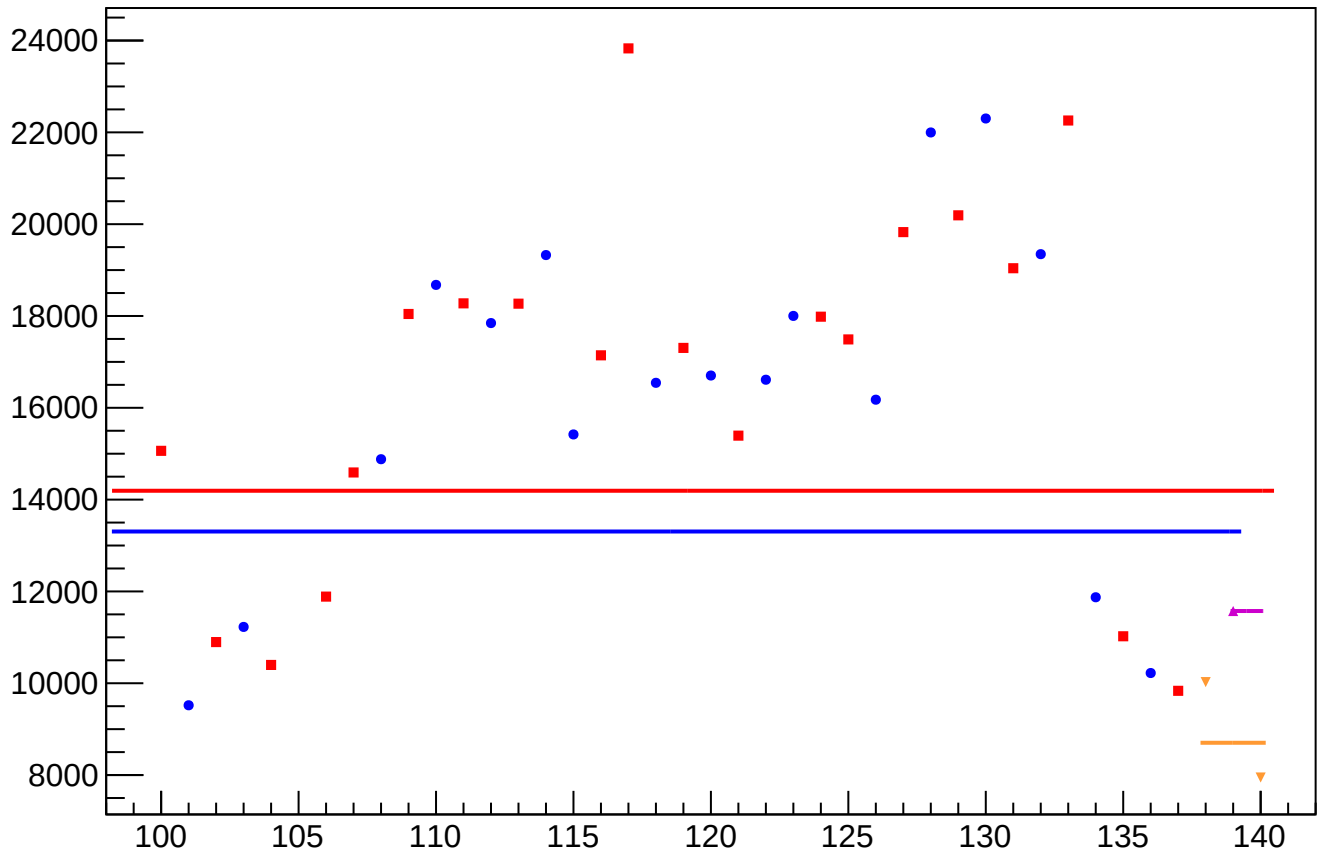
Left In: 16.901 ± 13.589 χ^2/NDF : 0.0/0

-9.432 ± 4.312 χ^2/NDF : 23.7/18

-0.799 ± 3.294 χ^2/NDF : 48.4/39

11.296 ± 5.104 χ^2/NDF : 15.0/20

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8703.372+/-5.048 χ^2/NDF : 39233.1/1

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

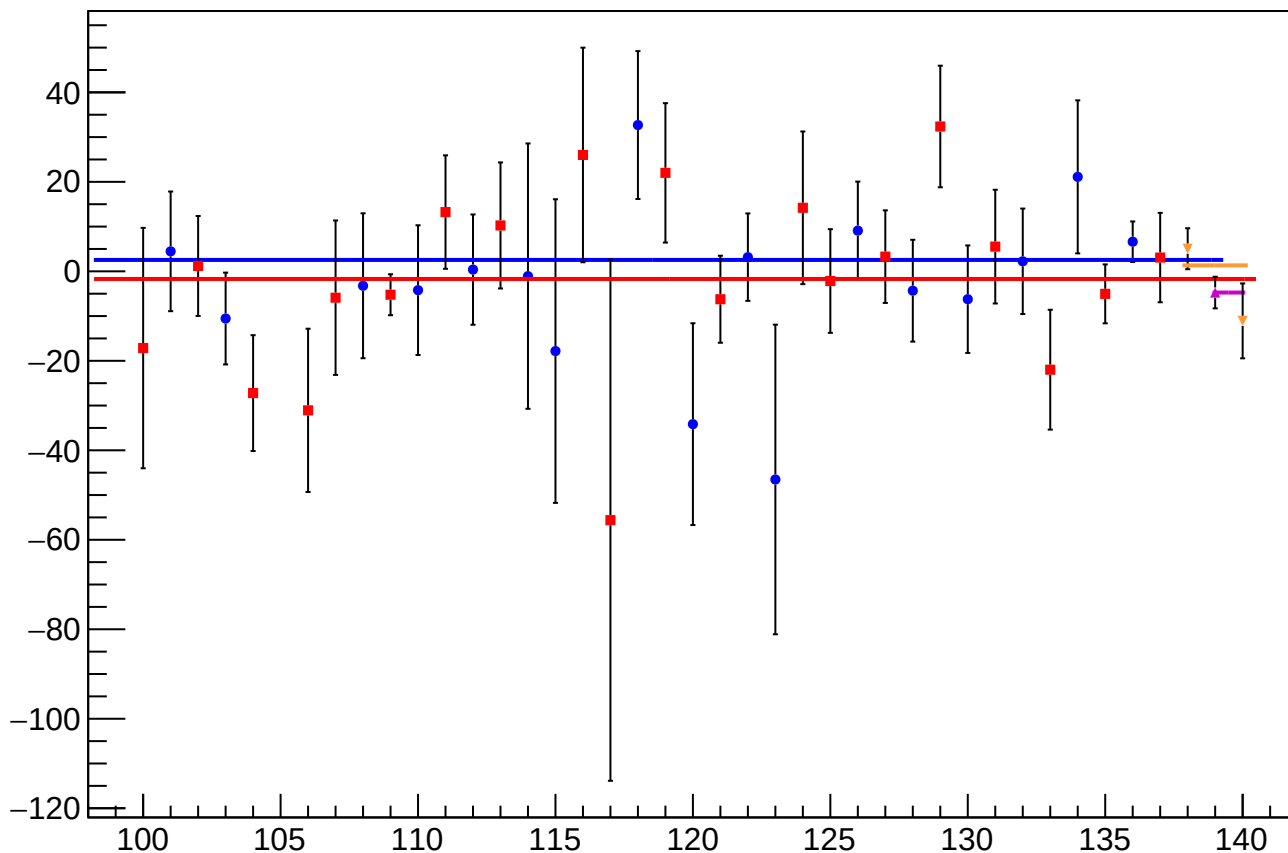
Left In: 11573.318+/-9.609 χ^2/NDF : 0.0/0

11626.719+/-3.049 χ^2/NDF : 1611203.1/18

12541.701+/-2.329 χ^2/NDF : 2836069.8/3

13823.490+/-3.609 χ^2/NDF : 1008654.3/20

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 $\pm$ 2.757 χ^2/NDF : 13.6/16

Left Out: 1.335 $\pm$ 4.018 χ^2/NDF : 2.9/1

Right Out: -1.708 $\pm$ 2.440 χ^2/NDF : 24.9/19

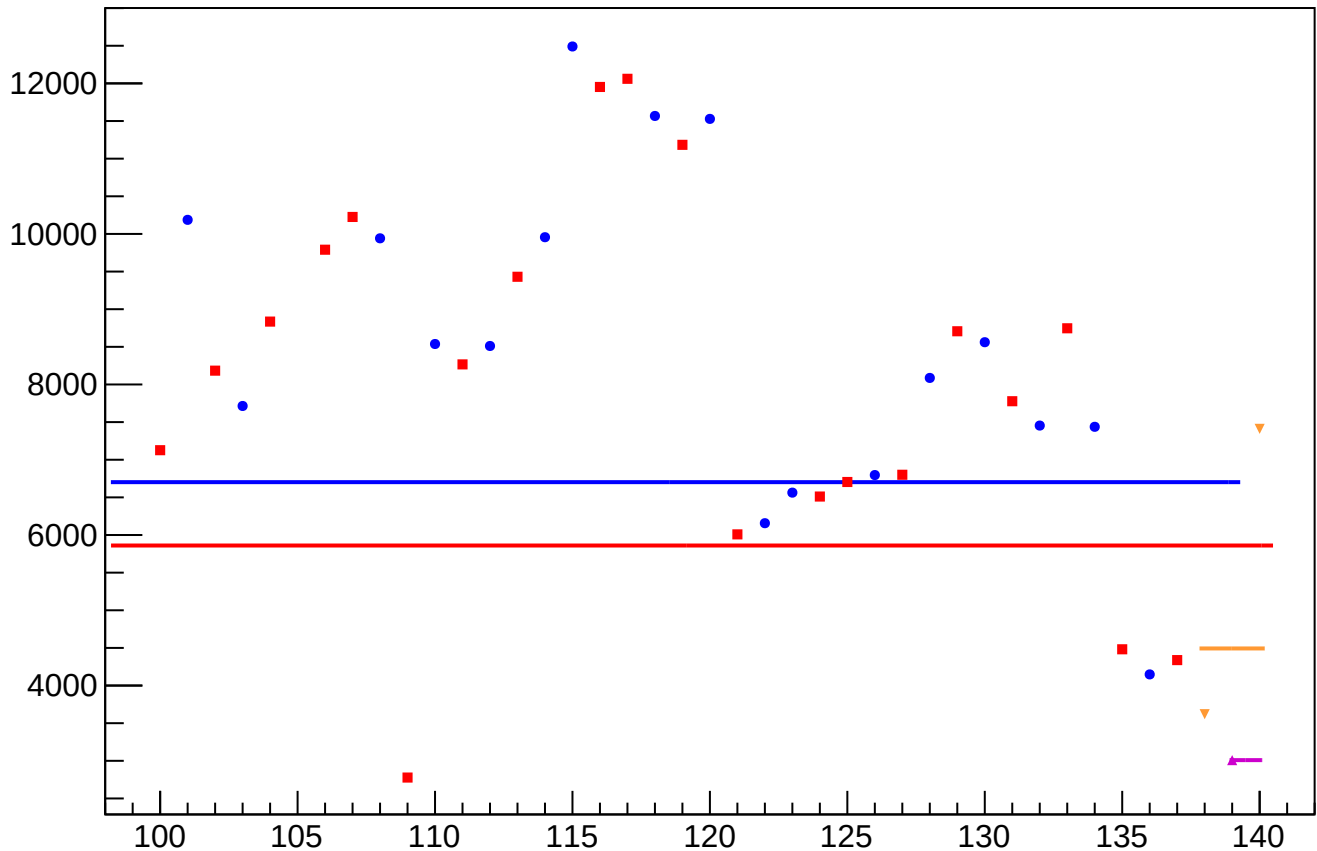
Left In: -4.743 $\pm$ 3.534 χ^2/NDF : 0.0/0

2.162 $\pm$ 2.273 χ^2/NDF : 16.6/18

-0.562 $\pm$ 1.505 χ^2/NDF : 44.5/39

-2.688 $\pm$ 2.008 χ^2/NDF : 25.4/20

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 4492.860+/-2.841 χ^2/NDF : 315754.5/1

Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

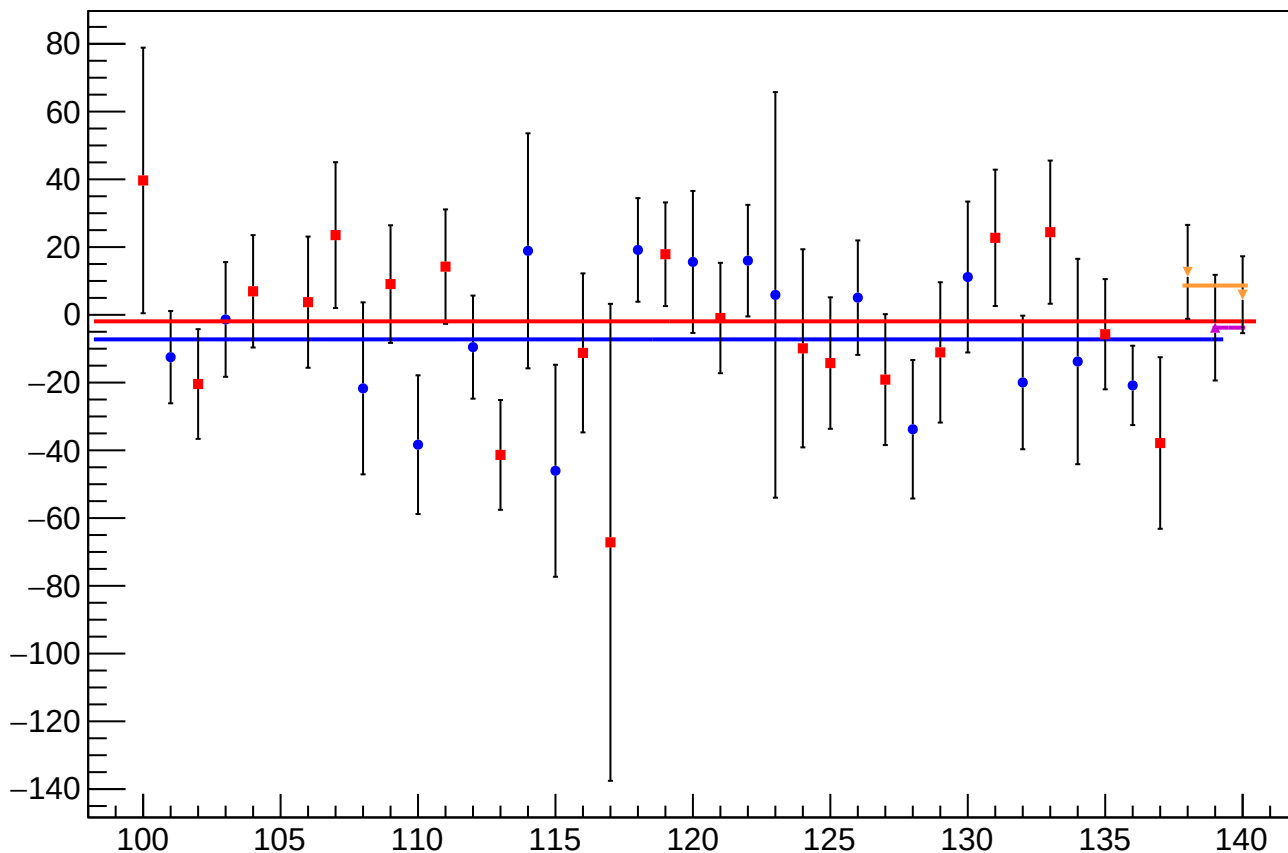
Left In: 3009.234+/-2.499 χ^2/NDF : 0.0/0

5994.993+/-1.607 χ^2/NDF : 2116924.3/18

5402.467+/-1.064 χ^2/NDF : 5541524.9/39

4940.077+/-1.420 χ^2/NDF : 3182659.2/20

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: 8.645 $\pm$ 8.783 χ^2/NDF : 0.1/1

Right Out: -1.922 $\pm$ 4.365 χ^2/NDF : 20.7/19

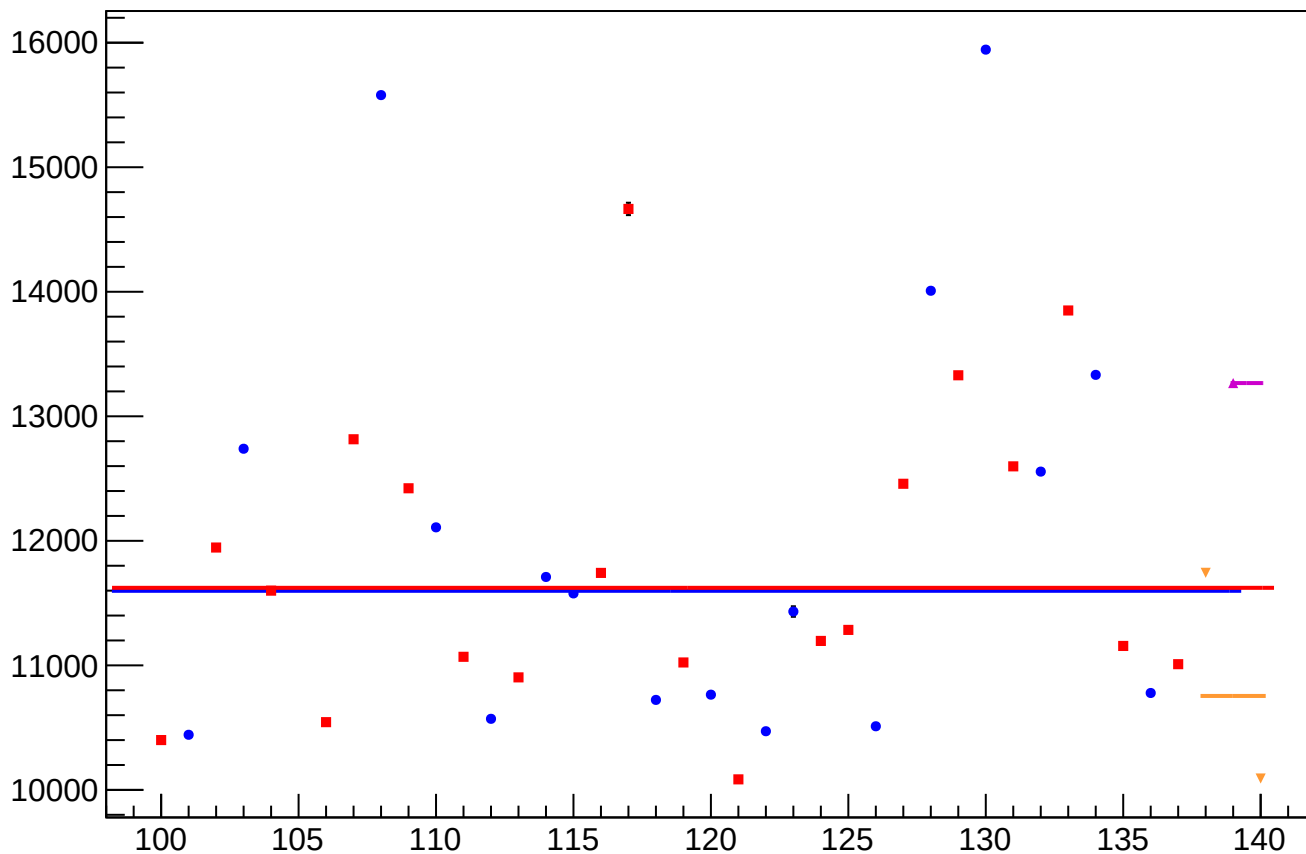
Left In: -3.785 $\pm$ 15.592 χ^2/NDF : 0.0/0

-3.887 $\pm$ 4.038 χ^2/NDF : 18.7/18

-3.009 $\pm$ 2.912 χ^2/NDF : 39.5/39

-2.058 $\pm$ 4.203 χ^2/NDF : 20.7/20

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 10754.416+/-6.211 χ^2/NDF :16993.5/1

Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

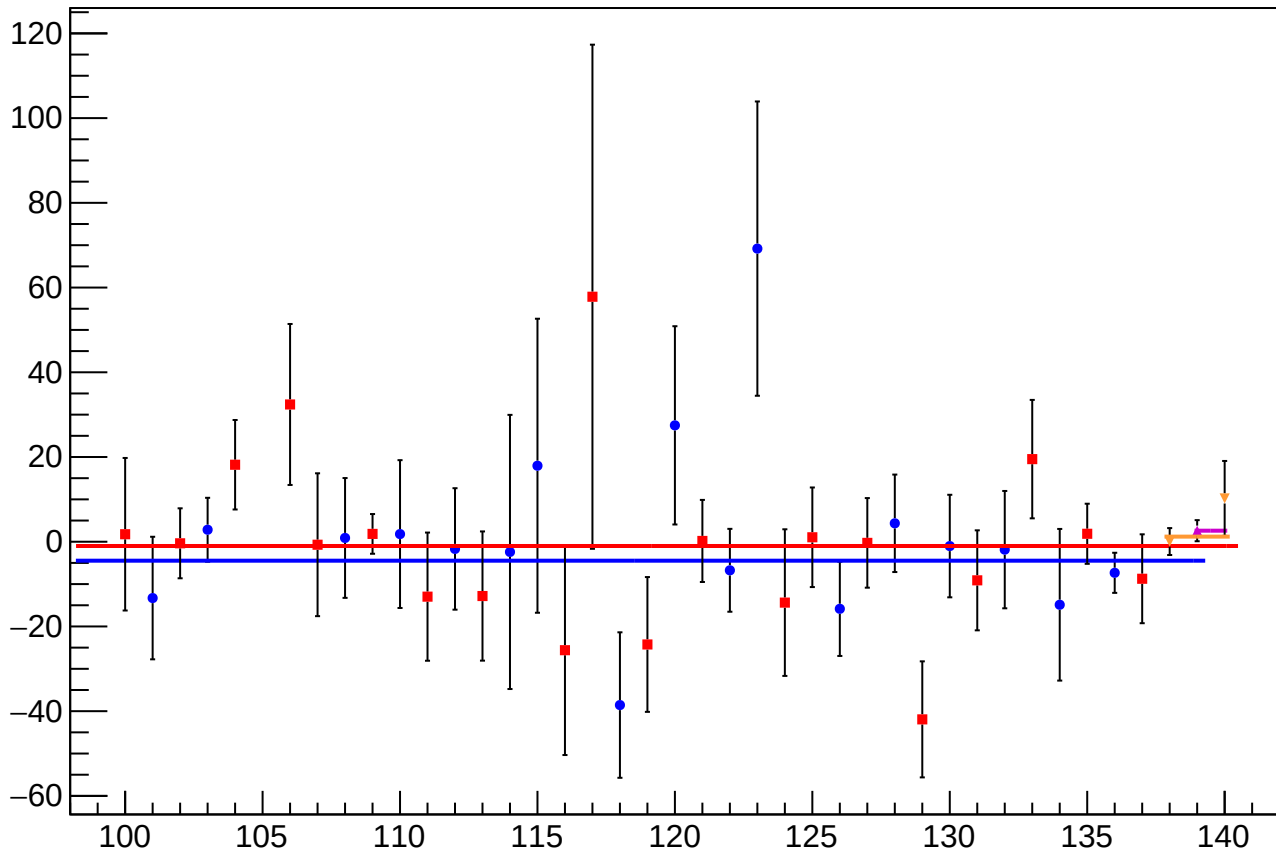
Left In: 13266.842+/-11.025 χ^2/NDF :0.0/0

11420.302+/-2.855 χ^2/NDF : 266992.7/18

11574.780+/-2.059 χ^2/NDF : 391910.4/39

11742.149+/-2.972 χ^2/NDF : 118819.2/20

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: 1.206 ± 2.990 χ^2/NDF : 1.2/1

Right Out: -1.007 ± 2.427 χ^2/NDF : 25.0/19

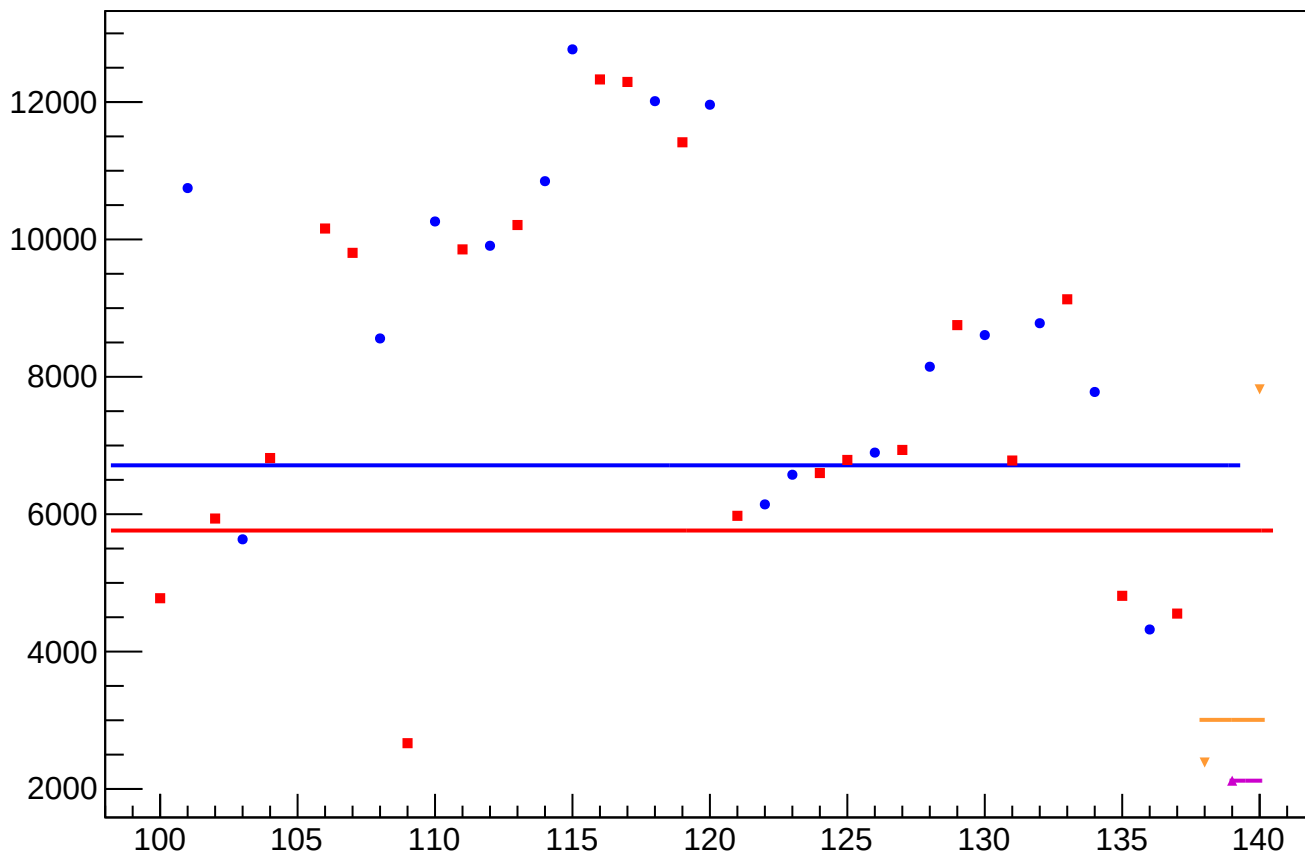
Left In: 2.606 ± 2.491 χ^2/NDF : 0.0/0

-1.840 ± 2.037 χ^2/NDF : 18.0/18

-0.340 ± 1.322 χ^2/NDF : 45.0/39

0.753 ± 1.738 χ^2/NDF : 26.1/20

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 3005.999+/-2.114 χ^2/NDF : 668465.1/1

Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

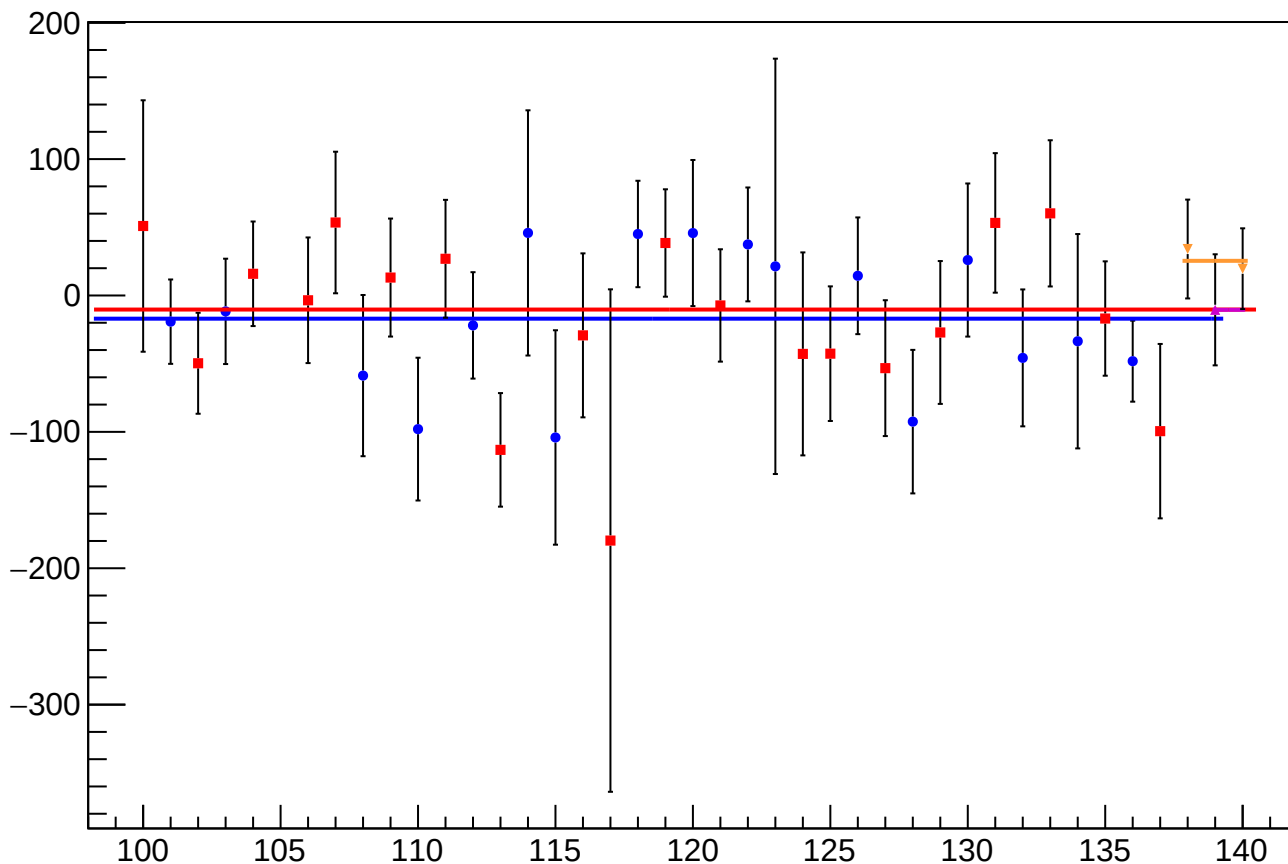
Left In: 2120.636+/-1.761 χ^2/NDF : 0.0/0

4992.515+/-1.440 χ^2/NDF : 3761889.7/18

4411.891+/-0.935 χ^2/NDF : 8425076.4/39

3988.937+/-1.229 χ^2/NDF : 4382243.7/20

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 $\pm$ 11.287 χ^2/NDF : 15.0/16

Left Out: 25.408 $\pm$ 22.933 χ^2/NDF : 0.1/1

Right Out: -10.311 $\pm$ 10.872 χ^2/NDF : 19.9/19

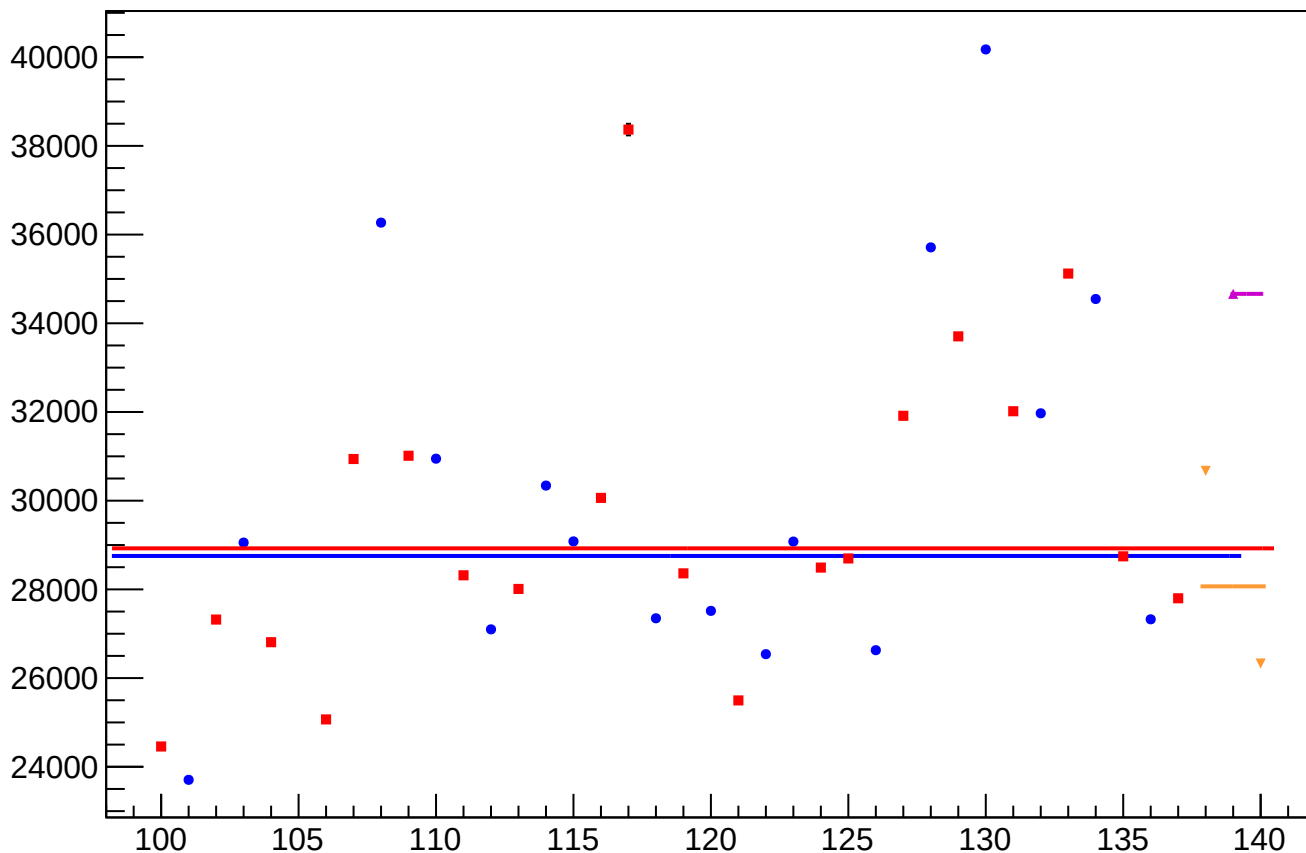
Left In: -10.510 $\pm$ 40.723 χ^2/NDF : 0.0/0

-8.738 $\pm$ 10.127 χ^2/NDF : 17.8/18

-9.502 $\pm$ 7.290 χ^2/NDF : 37.8/39

-10.325 $\pm$ 10.504 χ^2/NDF : 19.9/20

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 28068.070+/-16.216 χ^2/NDF : 17227.5/1

Right Out: 28925.160+/-7.687 χ^2/NDF : 116514.7/19

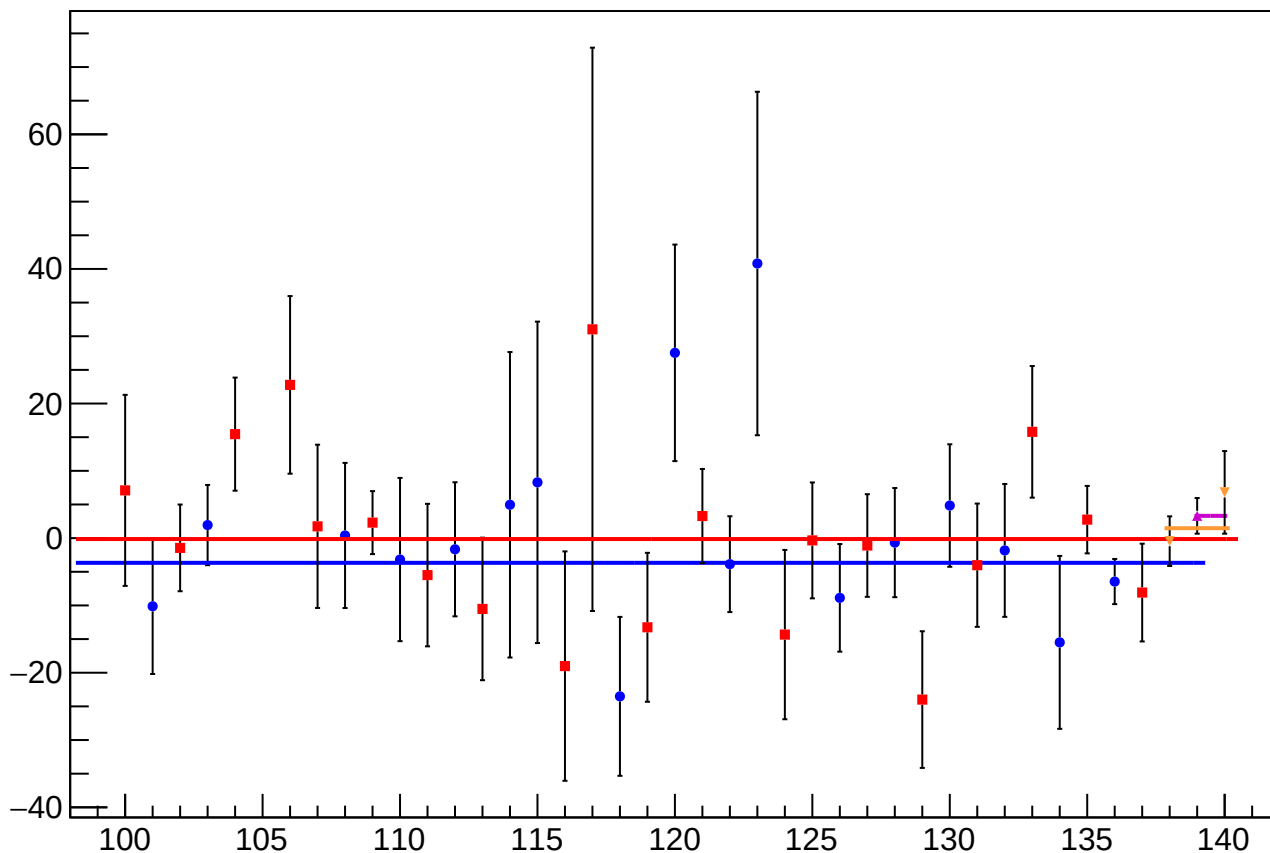
Left In: 34663.478+/-28.795 χ^2/NDF : 0.0/0

28620.069+/-7.161 χ^2/NDF : 267882.1/18

28950.957+/-5.155 χ^2/NDF : 425899.2/39

29306.932+/-7.427 χ^2/NDF : 153584.8/20

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: 1.474 ± 3.159 χ^2/NDF : 1.0/1

Right Out: -0.135 ± 1.891 χ^2/NDF : 22.9/19

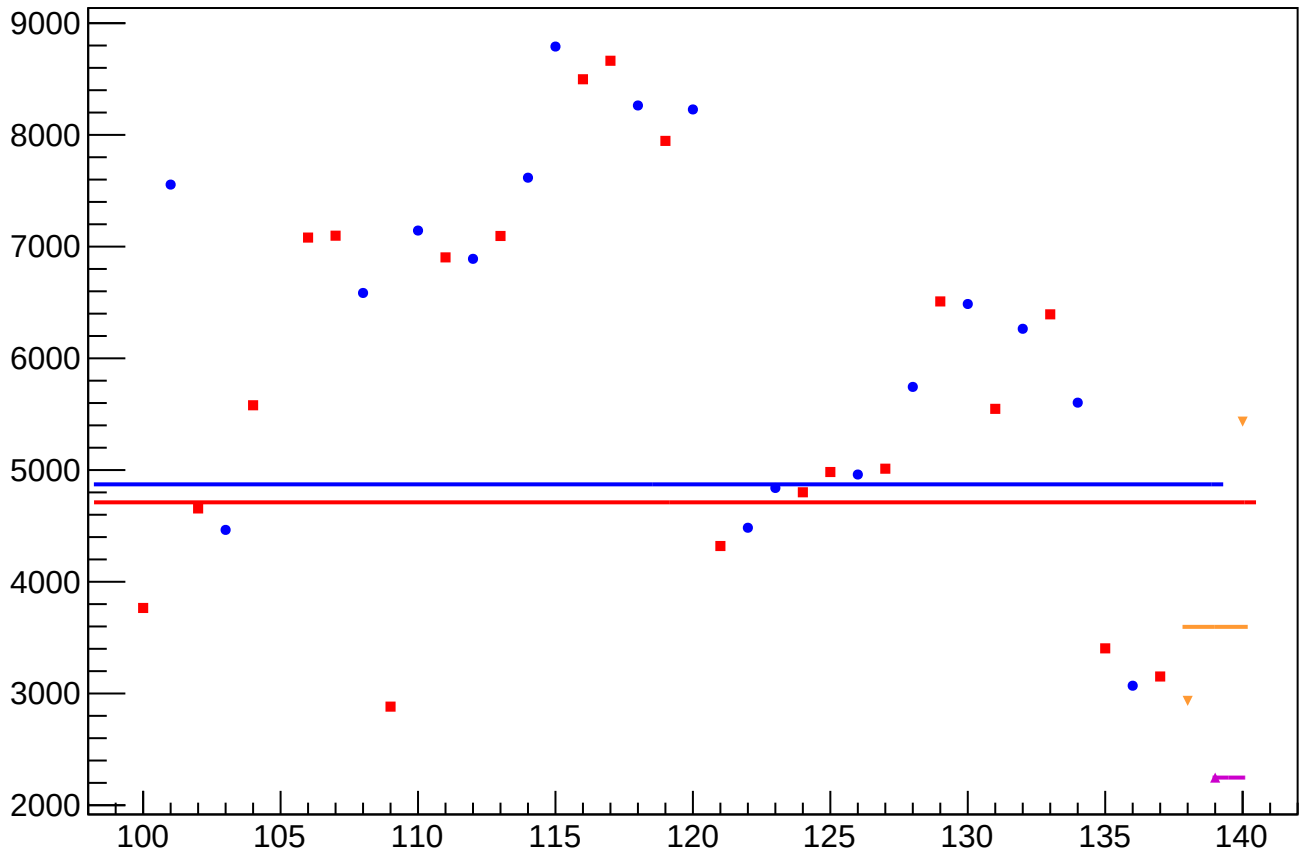
Left In: 3.311 ± 2.646 χ^2/NDF : 0.0/0

-2.186 ± 1.696 χ^2/NDF : 17.4/18

-0.422 ± 1.139 χ^2/NDF : 43.4/39

1.029 ± 1.538 χ^2/NDF : 24.0/20

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 ± 1.421 $\chi^2/\text{NDF}: 1405253.2/16$

Left Out: 3596.472 ± 2.234 $\chi^2/\text{NDF}: 243944.3/1$

Right Out: 4711.077 ± 1.337 $\chi^2/\text{NDF}: 1330595.4/19$

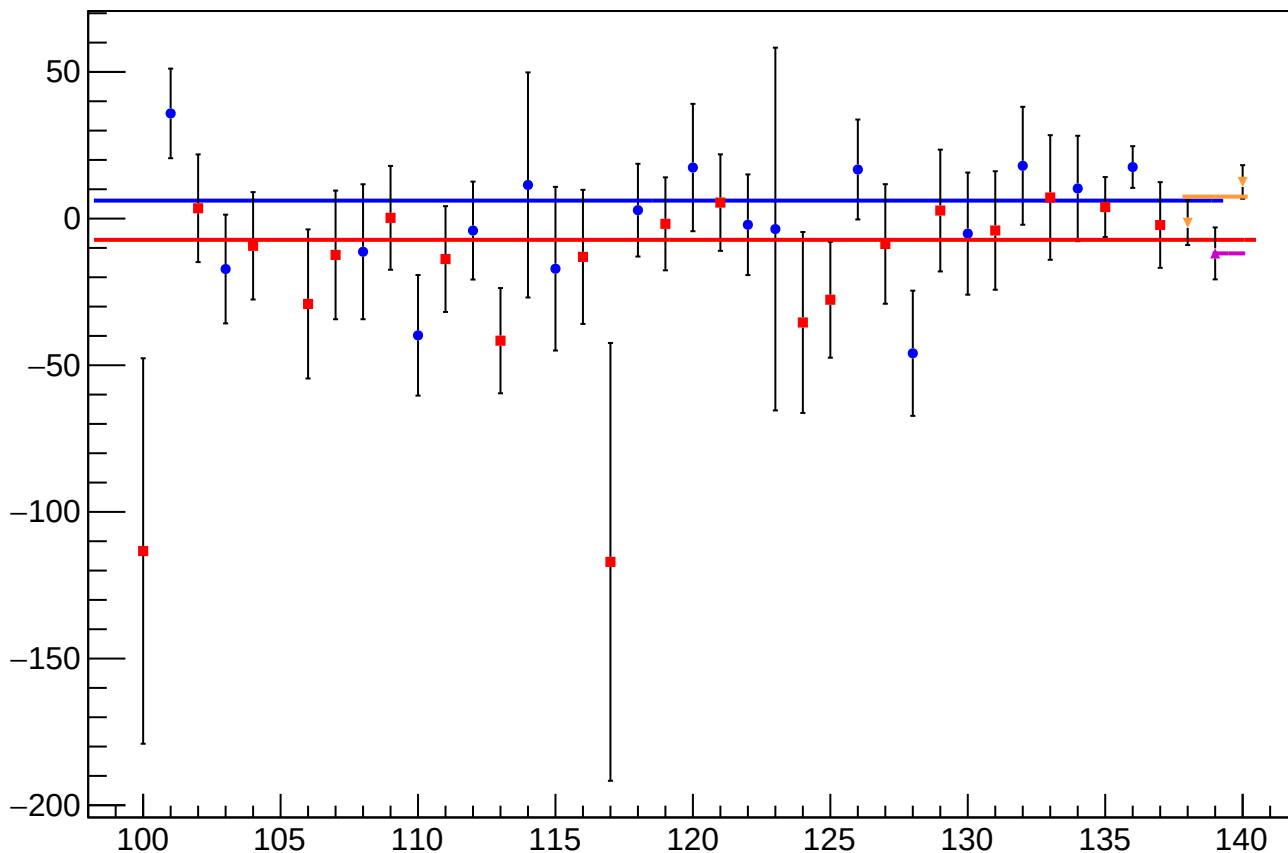
Left In: 2247.316 ± 1.871 $\chi^2/\text{NDF}: 0.0/0$

4504.505 ± 1.199 $\chi^2/\text{NDF}: 1881385.5/18$

4161.094 ± 0.806 $\chi^2/\text{NDF}: 4509249.5/39$

3878.415 ± 1.088 $\chi^2/\text{NDF}: 2478305.1/20$

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 $\pm$ 4.080 χ^2/NDF : 22.2/16

Left Out: 7.486 $\pm$ 4.571 χ^2/NDF : 2.1/1

Right Out: -7.243 $\pm$ 4.218 χ^2/NDF : 14.6/19

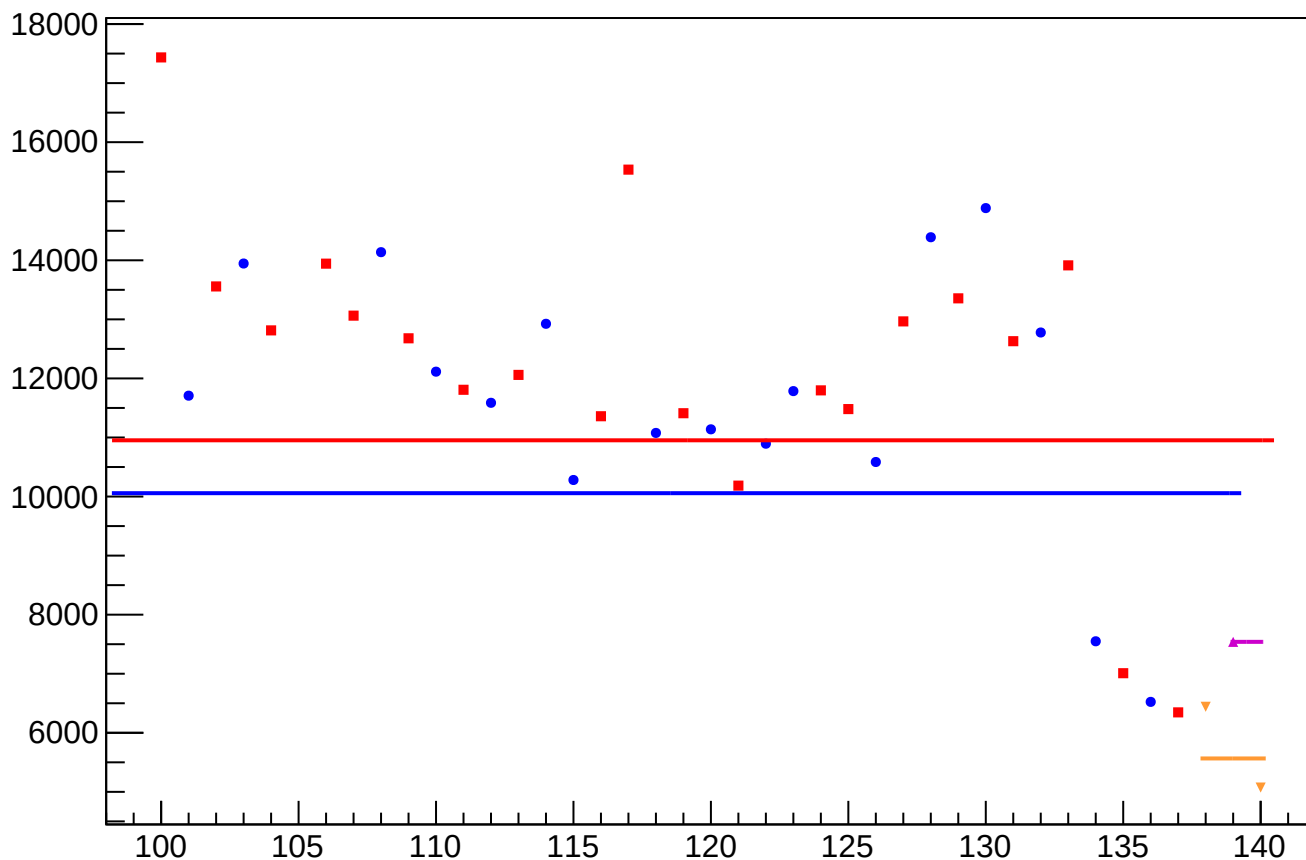
Left In: -11.867 $\pm$ 8.853 χ^2/NDF : 0.0/0

6.733 $\pm$ 3.044 χ^2/NDF : 24.4/18

0.950 $\pm$ 2.378 χ^2/NDF : 48.5/39

-8.099 $\pm$ 3.808 χ^2/NDF : 14.8/20

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991+/-2.885 χ^2/NDF : 1002872.6/16

Left Out: 5565.491+/-3.232 χ^2/NDF : 41279.7/1

Right Out: 10952.255+/-2.982 χ^2/NDF : 770474.3/19

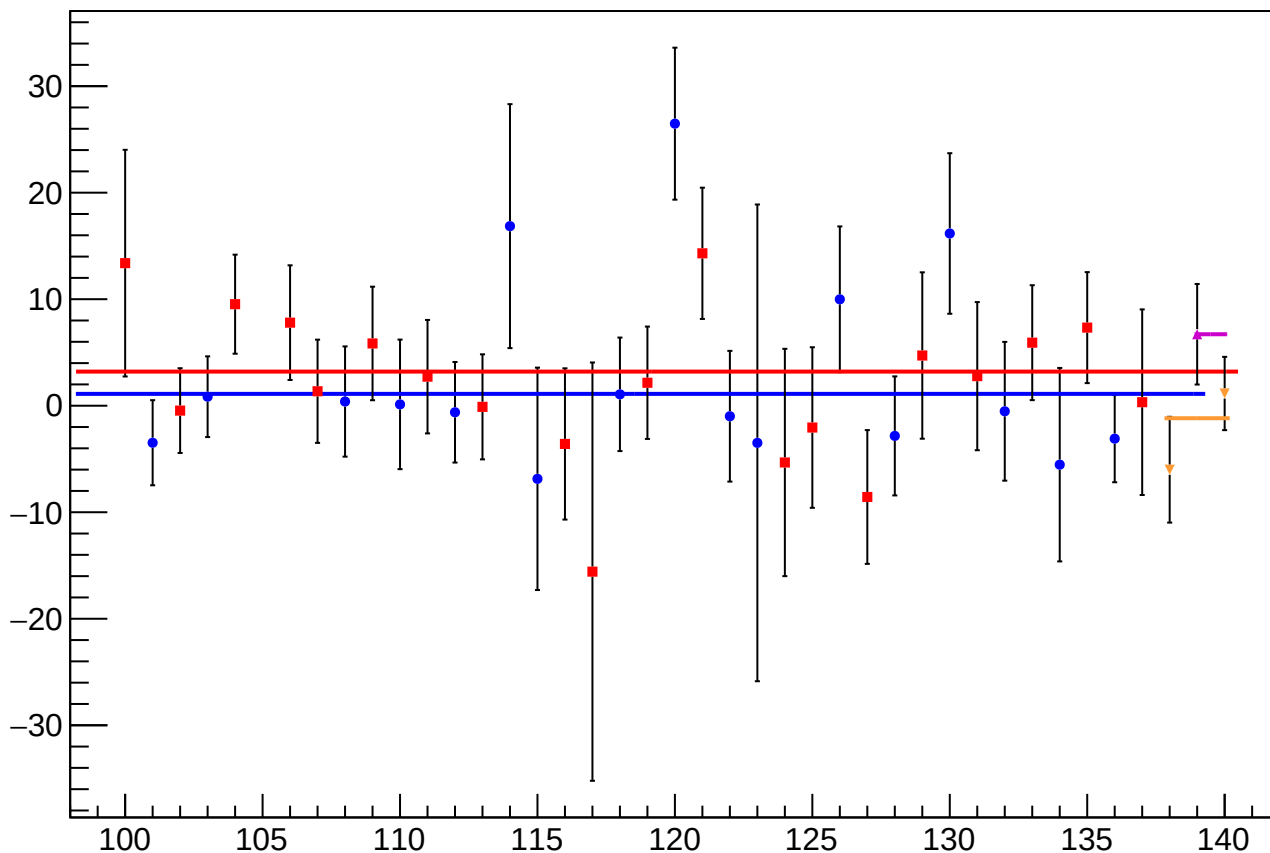
Left In: 7539.817+/-6.260 χ^2/NDF : 0.0/0

8065.020+/-2.152 χ^2/NDF : 2118987.8/18

8944.601+/-1.681 χ^2/NDF : 3560005.1/39

10321.057+/-2.692 χ^2/NDF : 1012643.3/20

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 $\pm$ 1.403 χ^2 /NDF: 24.6/16

Left Out: -1.173 $\pm$ 2.829 χ^2 /NDF: 1.4/1

Right Out: 3.204 $\pm$ 1.331 χ^2 /NDF: 16.0/19

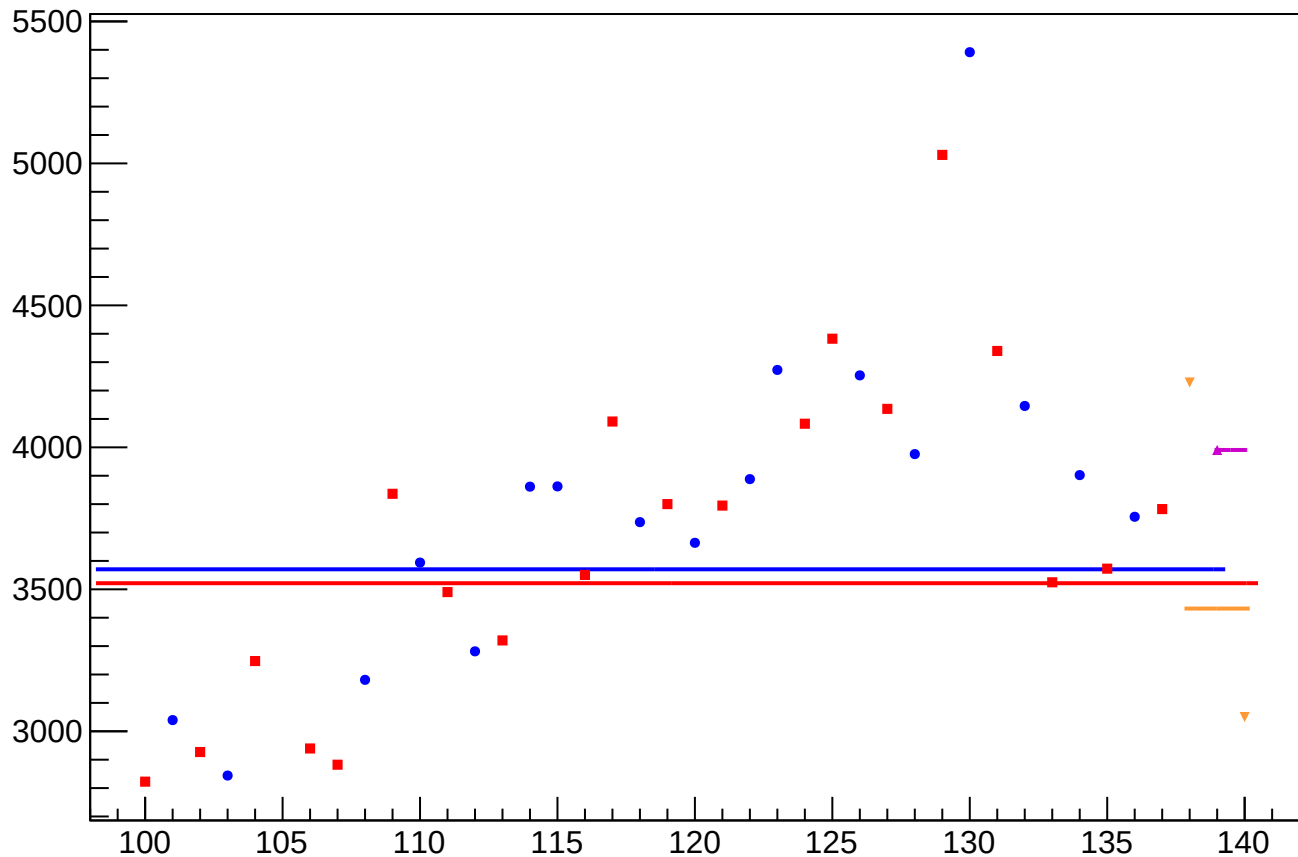
Left In: 6.709 $\pm$ 4.721 χ^2 /NDF: 0.0/0

0.661 $\pm$ 1.257 χ^2 /NDF: 26.5/18

2.035 $\pm$ 0.897 χ^2 /NDF: 45.5/39

3.462 $\pm$ 1.281 χ^2 /NDF: 16.5/20

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 3432.225+/-2.000 χ^2/NDF : 76038.6/1

Right Out: 3521.513+/-0.941 χ^2/NDF : 295082.3/19

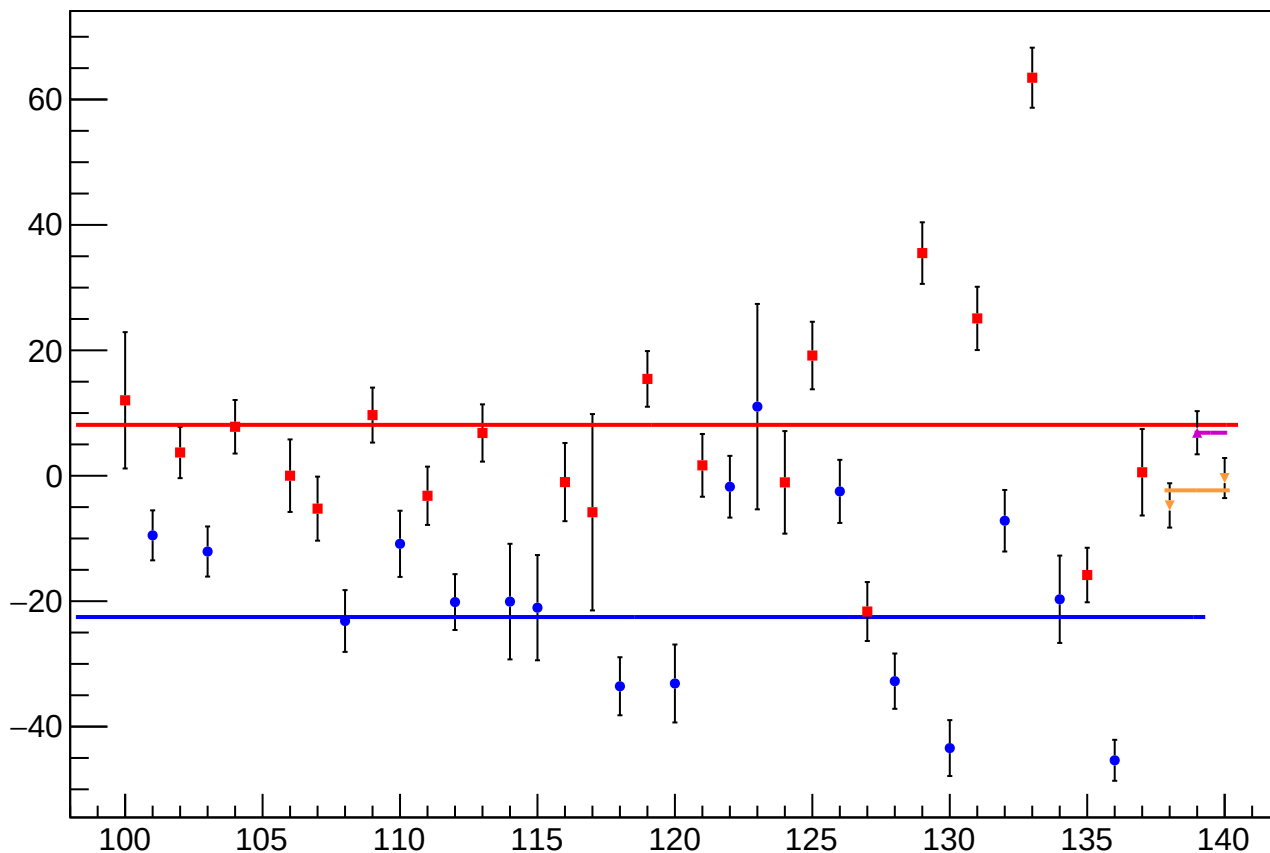
Left In: 3990.771+/-3.338 χ^2/NDF : 0.0/0

3543.191+/-0.889 χ^2/NDF : 389572.4/18

3549.496+/-0.634 χ^2/NDF : 703063.0/39

3556.044+/-0.906 χ^2/NDF : 313388.0/20

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -2.327 ± 2.371 χ^2/NDF : 0.8/1

Right Out: 8.116 ± 1.154 χ^2/NDF : 276.6/19

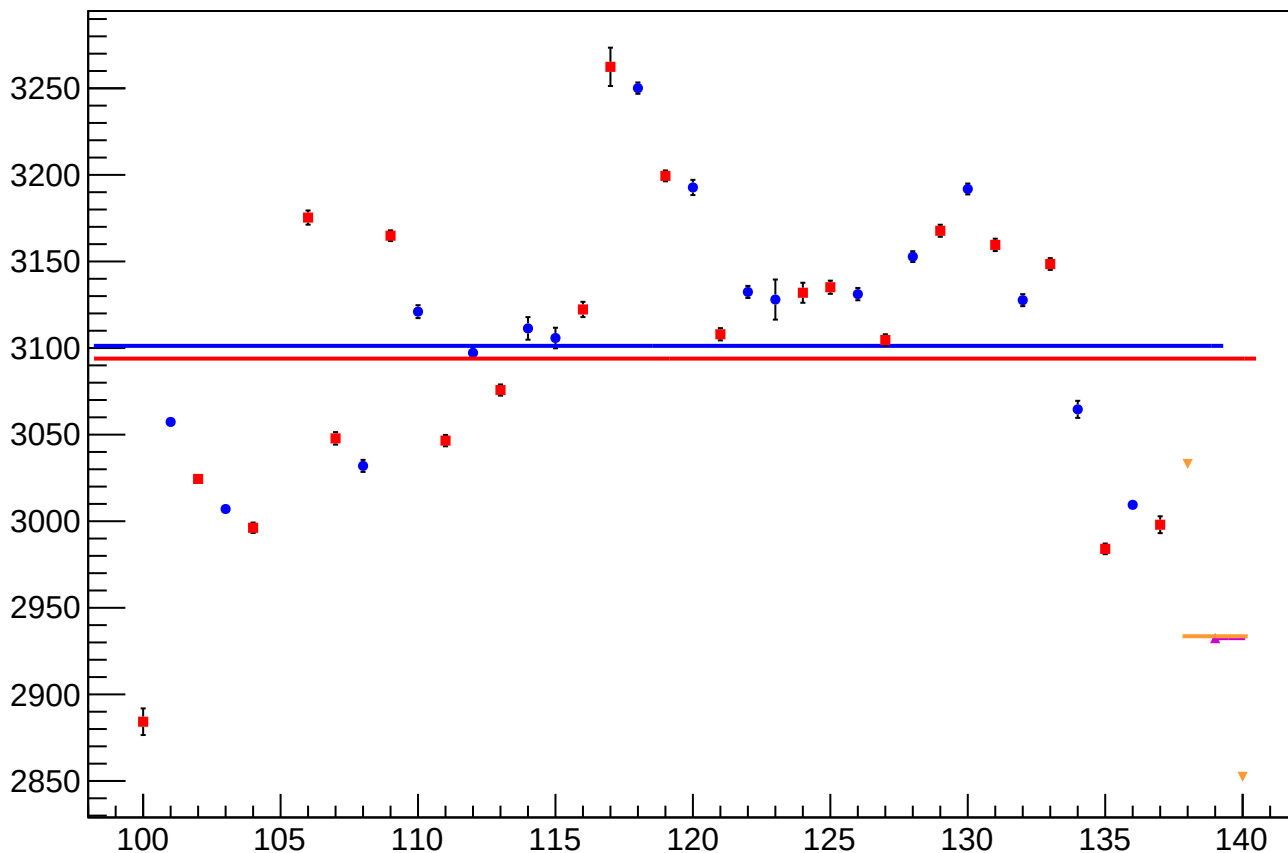
Left In: 6.862 ± 3.443 χ^2/NDF : 0.0/0

-18.405 ± 1.071 χ^2/NDF : 214.1/18

-5.486 ± 0.765 χ^2/NDF : 788.1/39

7.989 ± 1.094 χ^2/NDF : 276.8/20

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 2933.582+/-1.677 χ^2/NDF : 2873.7/1

Right Out: 3093.913+/-0.816 χ^2/NDF : 7998.9/19

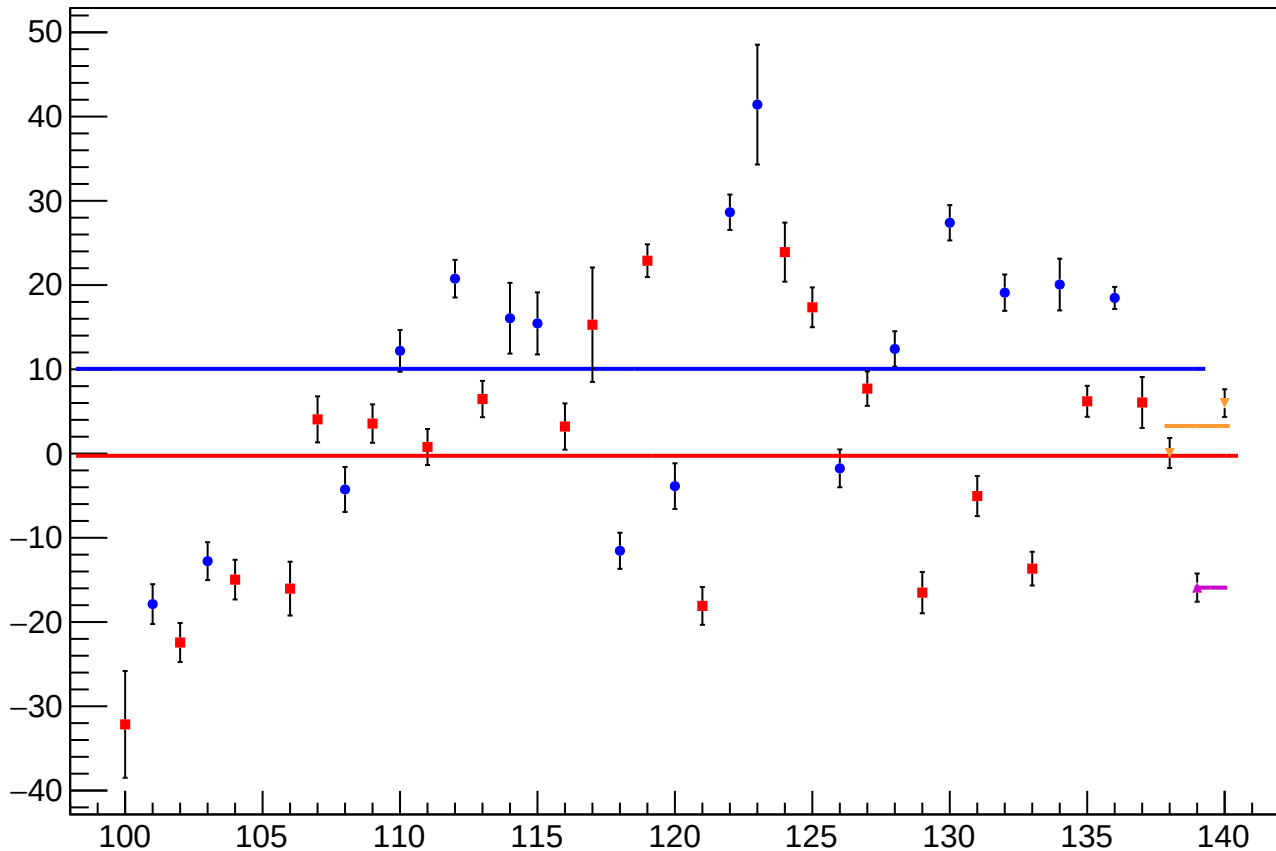
Left In: 2932.472+/-2.434 χ^2/NDF : 0.0/0

3067.059+/-0.757 χ^2/NDF : 18068.3/18

3072.225+/-0.541 χ^2/NDF : 30115.9/39

3077.614+/-0.774 χ^2/NDF : 11952.5/20

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 3.276 $\pm$ 1.207 χ^2 /NDF: 6.0/1

Right Out: -0.266 $\pm$ 0.545 χ^2 /NDF: 635.1/19

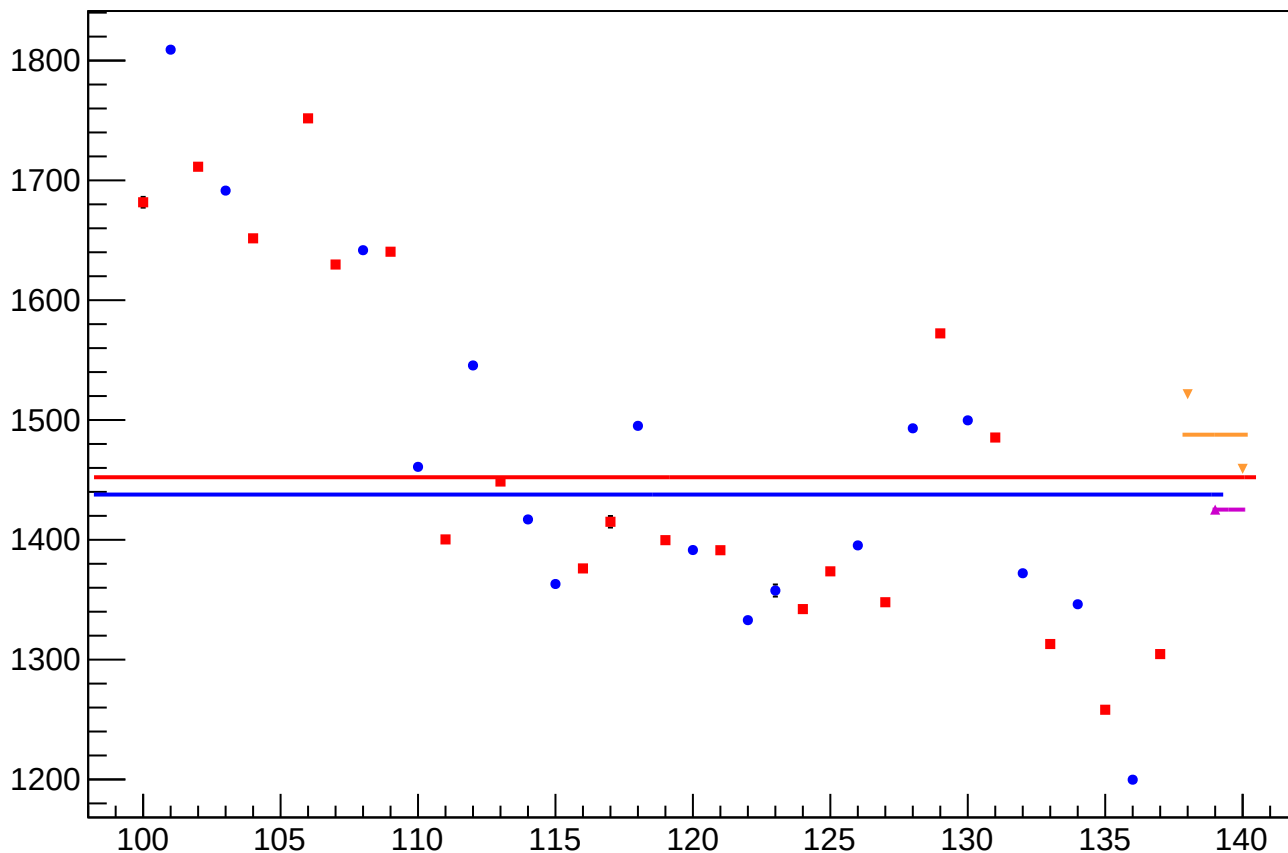
Left In: -15.912 $\pm$ 1.674 χ^2 /NDF: 0.0/0

8.848 $\pm$ 0.509 χ^2 /NDF: 724.2/18

3.637 $\pm$ 0.363 χ^2 /NDF: 1651.6/39

-1.766 $\pm$ 0.518 χ^2 /NDF: 714.1/20

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1487.744 $\pm$ 0.853 χ^2 /NDF:1321.7/1

Right Out: 1452.227 $\pm$ 0.386 χ^2 /NDF: 138666.1/19

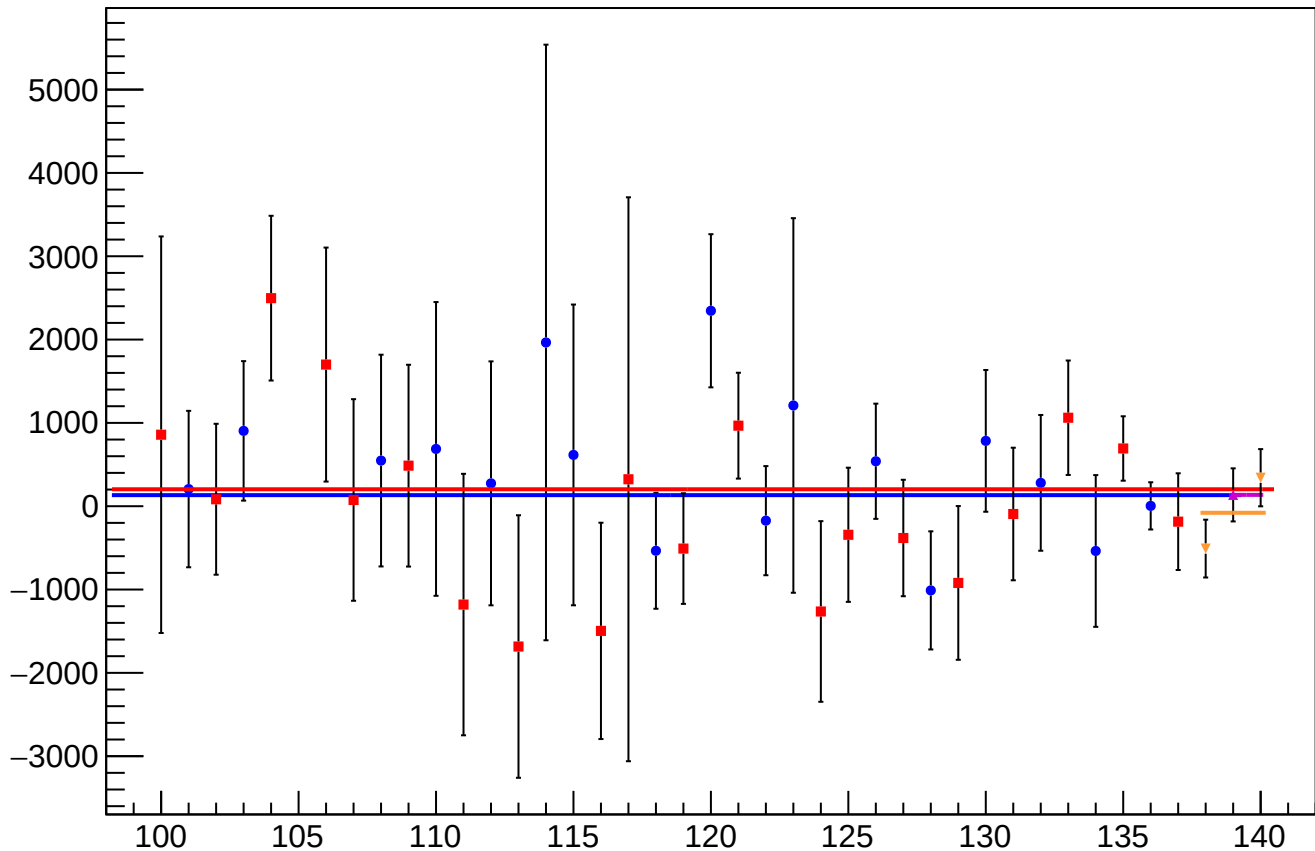
Left In: 1425.218 $\pm$ 1.184 χ^2 /NDF:0.0/0

1446.673 $\pm$ 0.360 χ^2 /NDF: 177356.5/18

1448.129 $\pm$ 0.257 χ^2 /NDF: 316526.3/39

1449.638 $\pm$ 0.367 χ^2 /NDF: 139136.5/20

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921+/-180.271 χ^2/NDF : 12.9/16

Left Out: -78.830+/-244.011 χ^2/NDF : 3.0/1

Right Out: 203.418+/-184.080 χ^2/NDF : 21.4/19

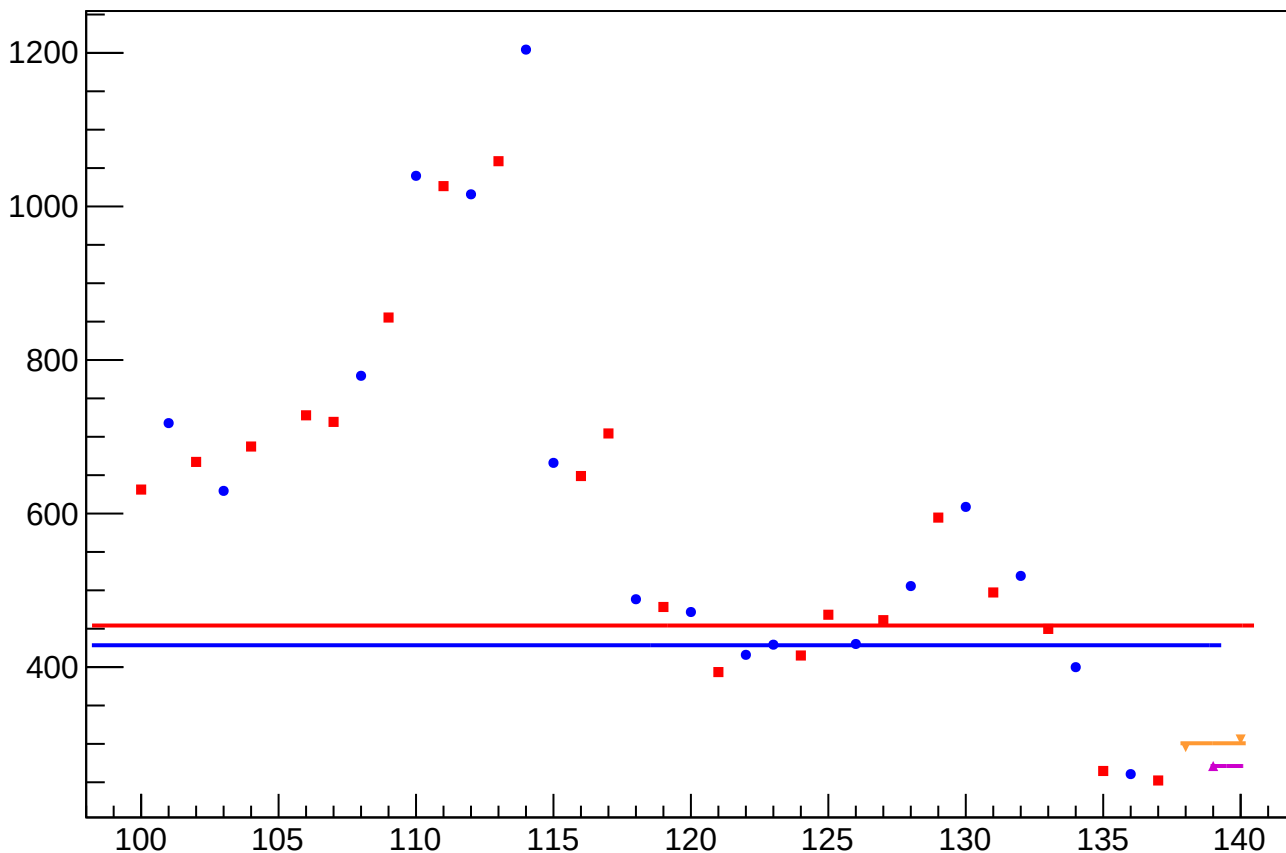
Left In: 135.994+/-318.509 χ^2/NDF : 0.0/0

58.155+/-144.994 χ^2/NDF : 16.4/18

116.293+/-107.251 χ^2/NDF : 38.2/39

186.536+/-159.377 χ^2/NDF : 21.5/20

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 300.802 $\pm$ 0.173 χ^2 /NDF: 832.4/1

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

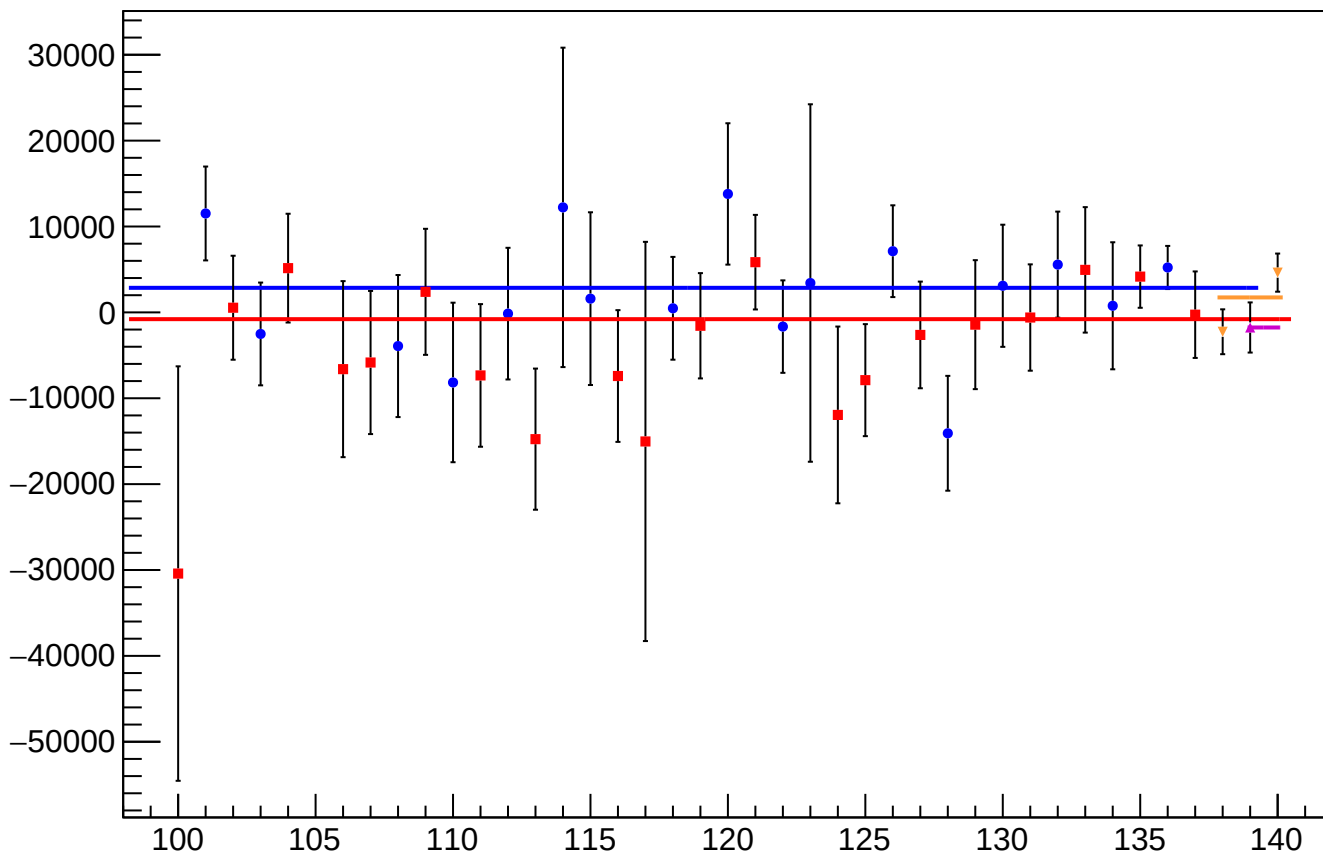
Left In: 271.181 $\pm$ 0.225 χ^2 /NDF: 0.0/0

383.386 $\pm$ 0.103 χ^2 /NDF: 2366412.4/18

394.694 $\pm$ 0.076 χ^2 /NDF: 4928946.2/39

408.358 $\pm$ 0.113 χ^2 /NDF: 2535668.5/20

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2/NDF : 16.7/16

Left Out: 1741.023 $\pm$ 1691.870 χ^2/NDF : 4.0/1

Right Out: -789.608 $\pm$ 1506.053 χ^2/NDF : 14.4/19

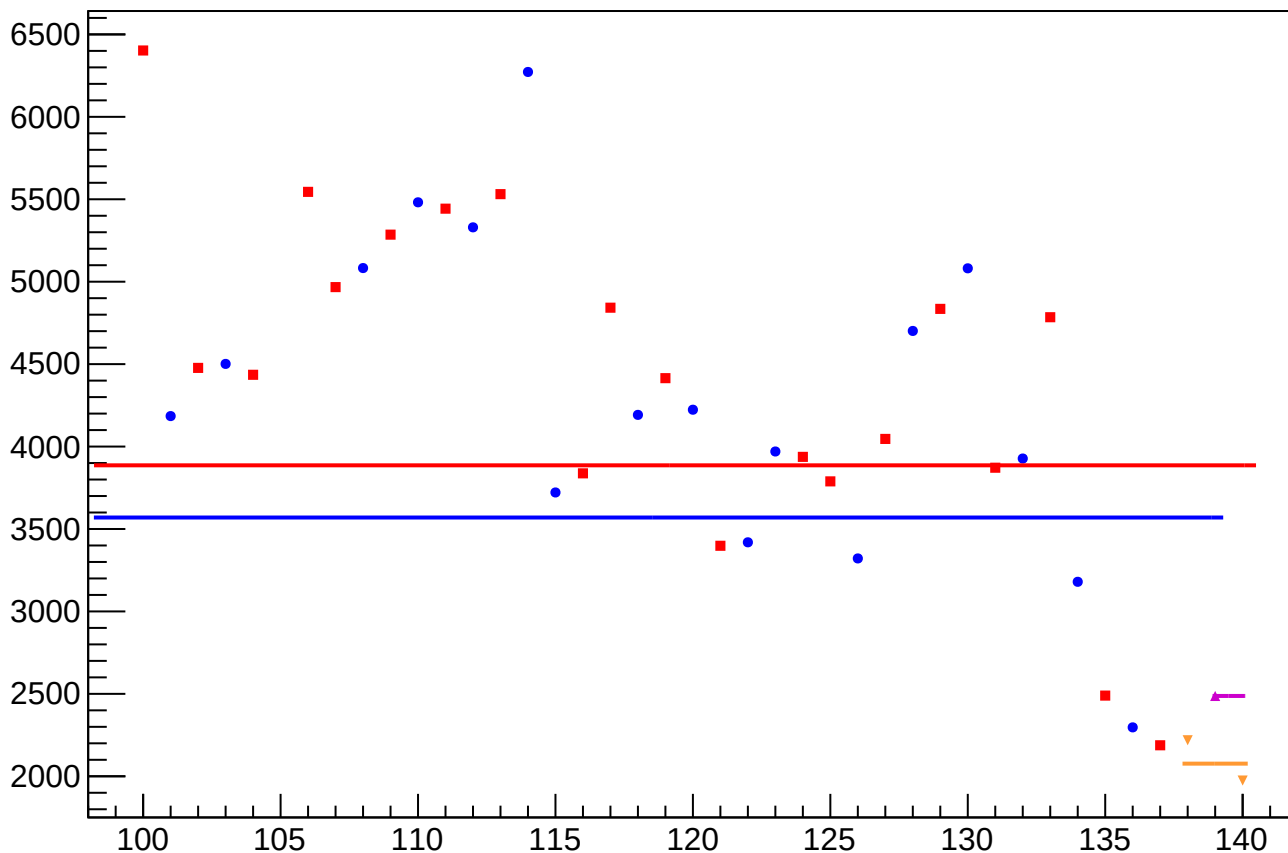
Left In: -1759.597 $\pm$ 2919.794 χ^2/NDF : 0.0/0

2386.726 $\pm$ 1100.051 χ^2/NDF : 20.9/18

1024.014 $\pm$ 849.857 χ^2/NDF : 39.2/39

-993.448 $\pm$ 1338.485 χ^2/NDF : 14.4/20

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2076.699+/-1.196 χ^2/NDF : 10159.4/1

Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

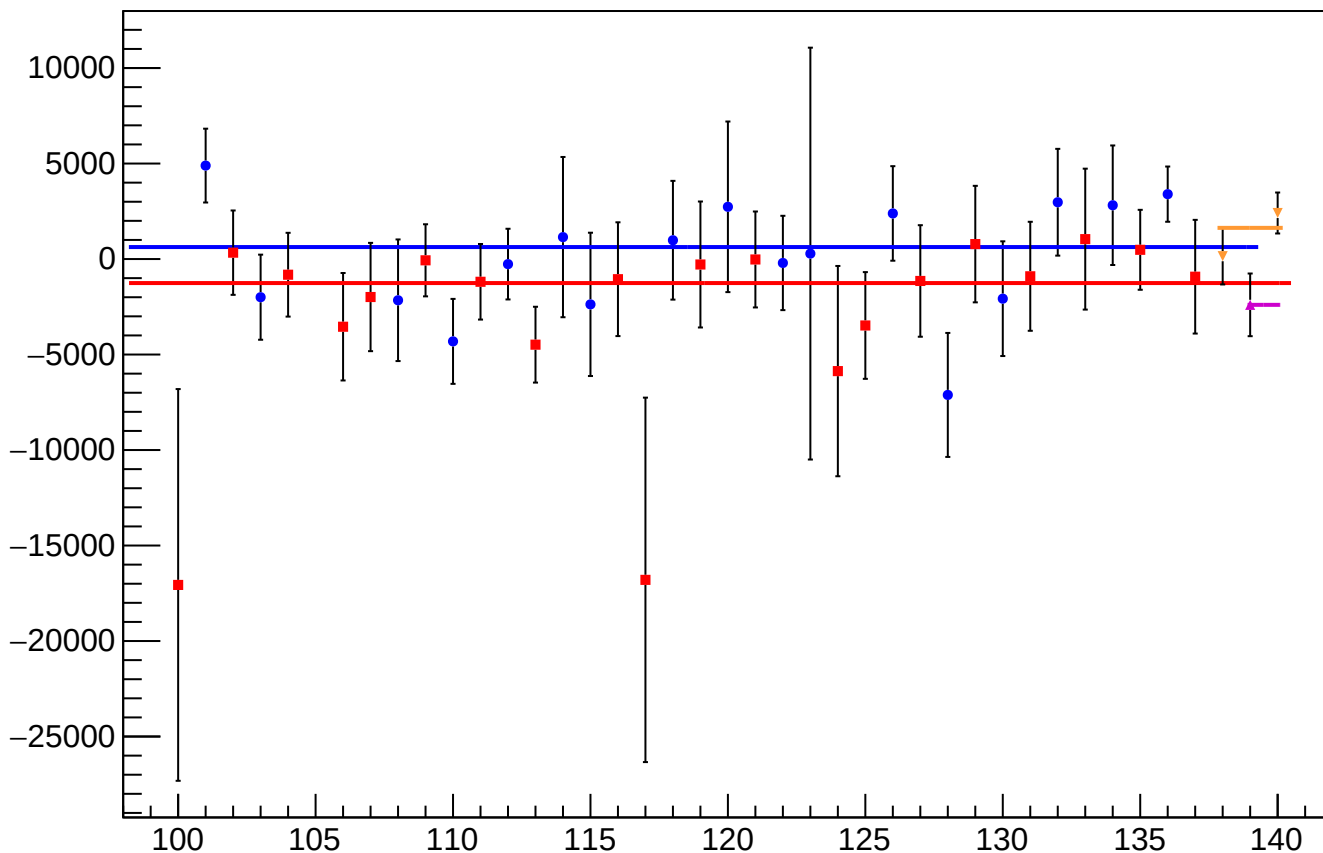
Left In: 2487.260+/-2.065 χ^2/NDF : 0.0/0

2938.483+/-0.778 χ^2/NDF : 1997042.6/18

3202.035+/-0.601 χ^2/NDF : 3630918.7/39

3592.217+/-0.946 χ^2/NDF : 1349120.6/20

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1632.356+/-868.282 χ^2/NDF : 1.5/1

Right Out: -1257.467+/-601.857 χ^2/NDF : 12.6/19

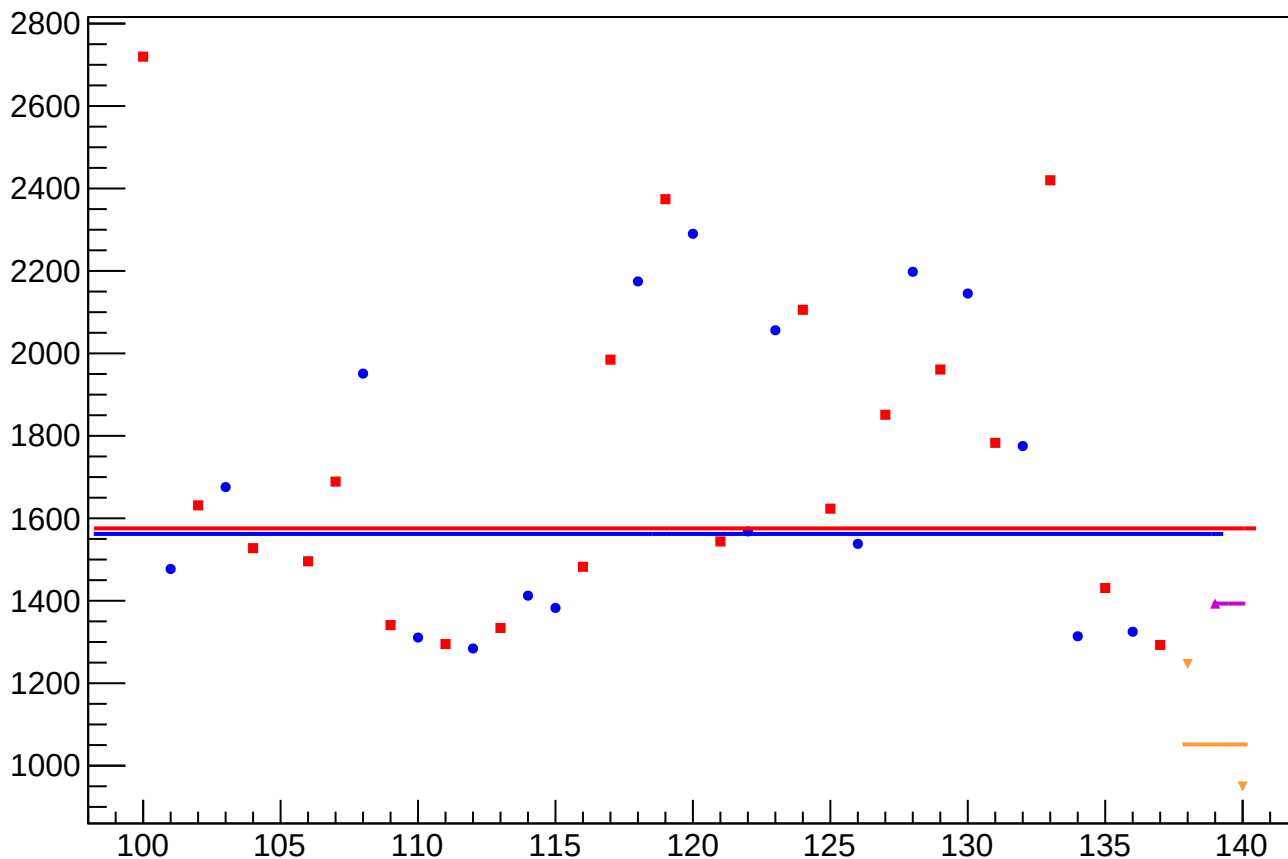
Left In: -2398.426+/-1640.725 χ^2/NDF : 0.0/0

967.608+/-505.071 χ^2/NDF : 27.5/18

-80.725+/-376.562 χ^2/NDF : 50.2/39

-1392.785+/-565.040 χ^2/NDF : 13.0/20

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101+/-0.439 χ^2/NDF : 482088.3/16

Left Out: 1051.725+/-0.614 χ^2/NDF : 52776.5/1

Right Out: 1575.541+/-0.426 χ^2/NDF : 467687.2/19

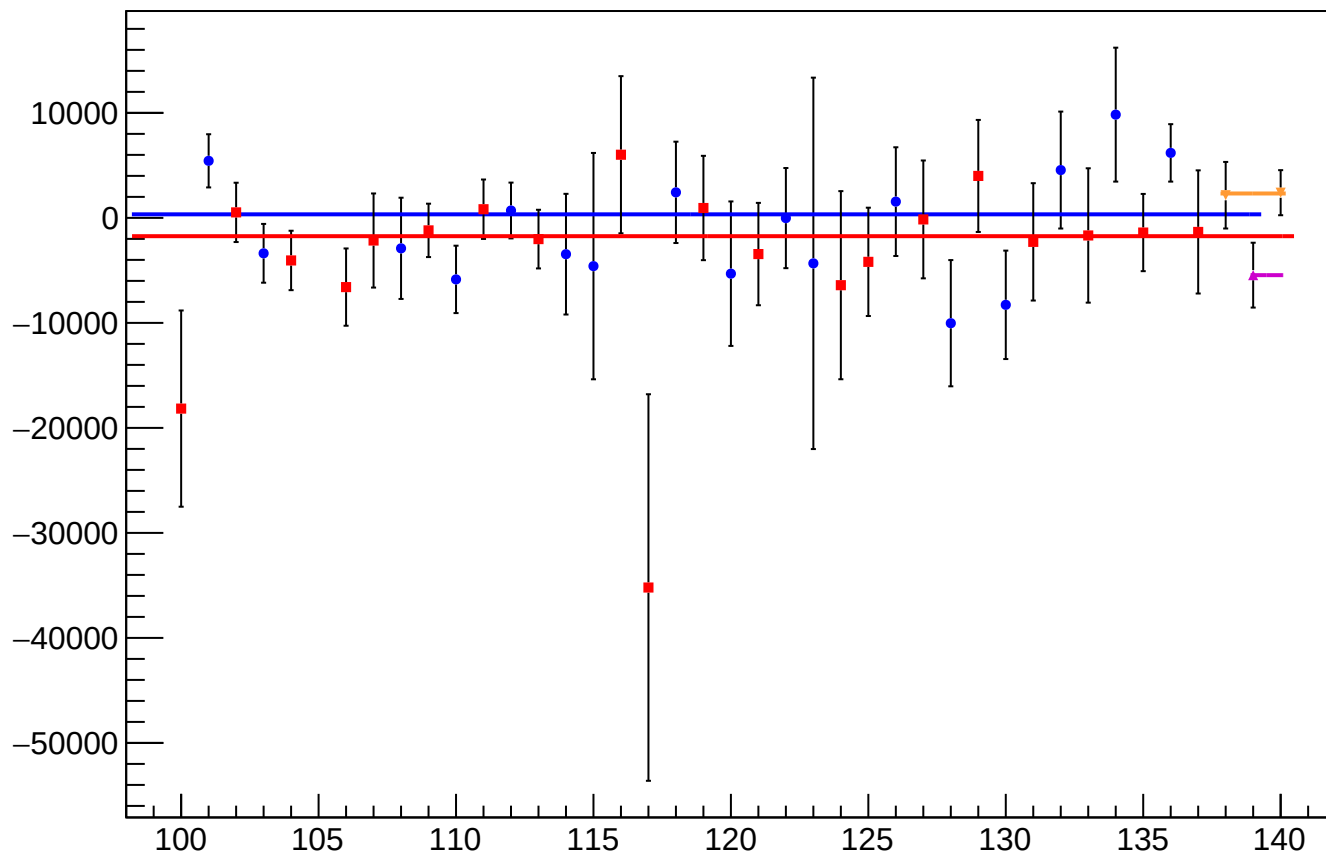
Left In: 1393.183+/-1.160 χ^2/NDF : 0.0/0

1389.409+/-0.357 χ^2/NDF : 992067.7/18

1462.471+/-0.266 χ^2/NDF : 1575762.4/39

1553.913+/-0.400 χ^2/NDF : 489463.5/20

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117+/-995.842 χ^2/NDF : 24.8/16

Left Out: 2323.401+/-1777.263 χ^2/NDF : 0.0/1

Right Out: -1742.470+/-923.289 χ^2/NDF : 13.6/19

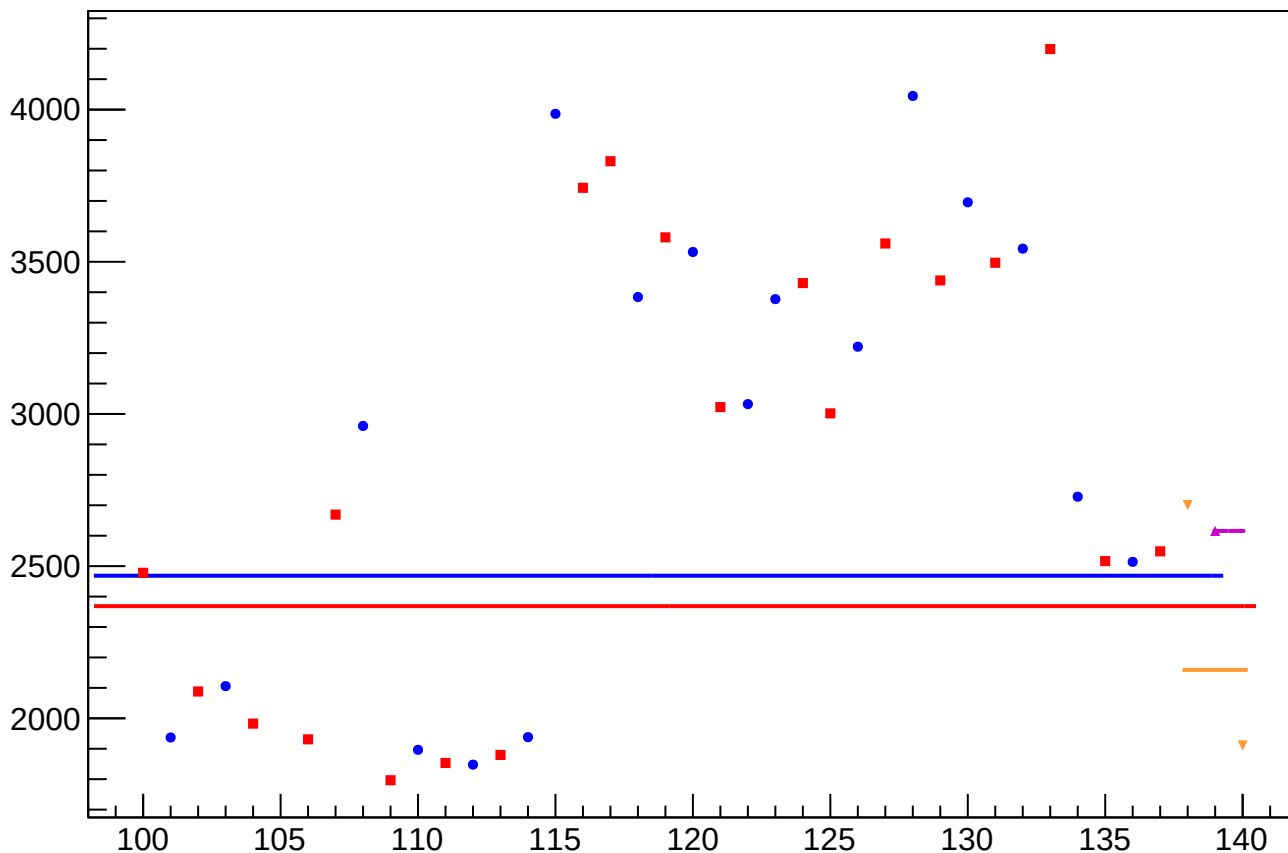
Left In: -5453.716+/-3087.886 χ^2/NDF : 0.0/0

812.487+/-868.758 χ^2/NDF : 25.7/18

-591.453+/-619.827 χ^2/NDF : 45.9/39

-2047.038+/-884.593 χ^2/NDF : 14.9/20

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2159.010+/-1.257 χ^2/NDF : 85061.2/1

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

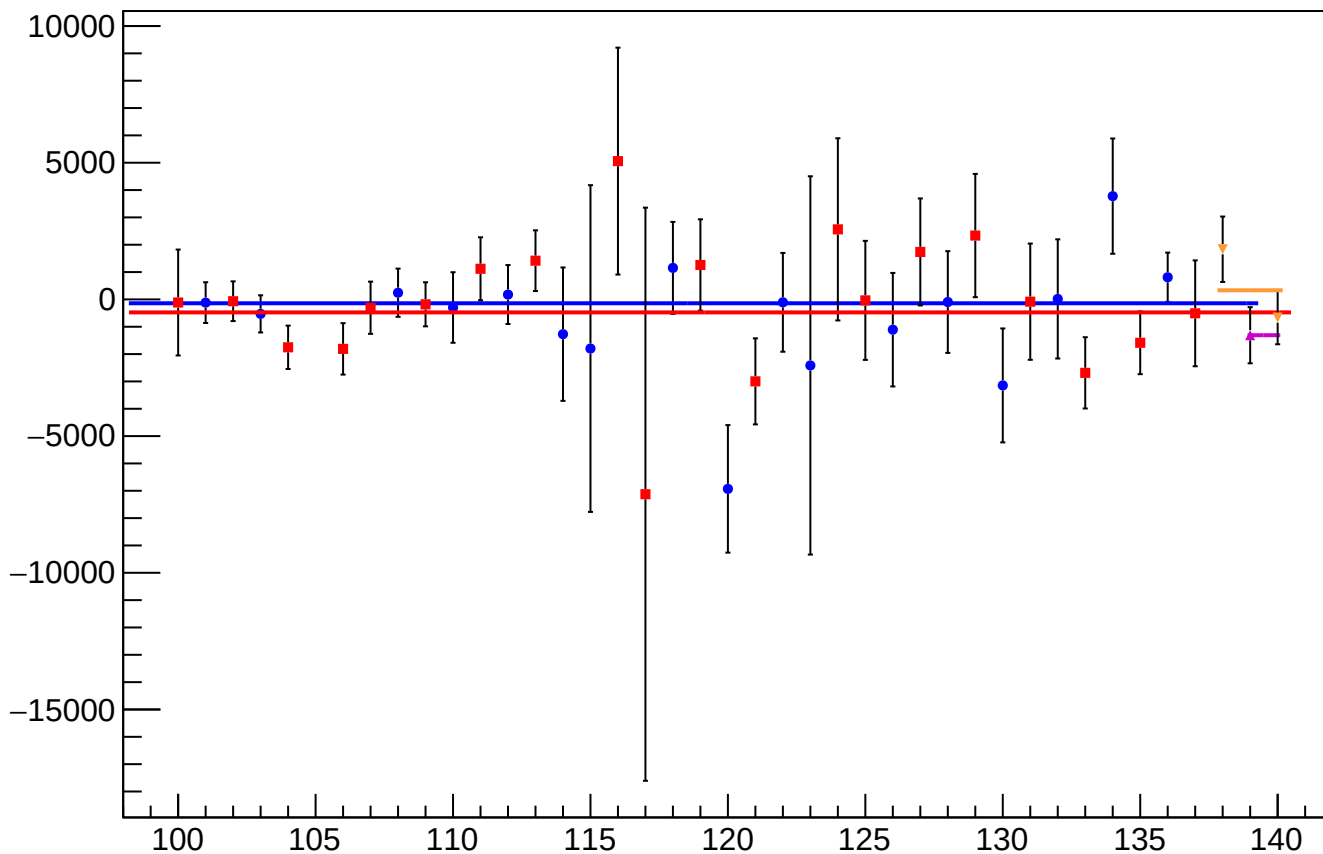
Left In: 2615.670+/-2.183 χ^2/NDF : 0.0/0

2394.541+/-0.614 χ^2/NDF : 1027368.3/18

2391.724+/-0.438 χ^2/NDF : 2076983.8/39

2388.804+/-0.626 χ^2/NDF : 1049572.6/20

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 333.501+/-756.046 χ^2/NDF : 2.6/1

Right Out: -474.987+/-282.789 χ^2/NDF : 23.3/19

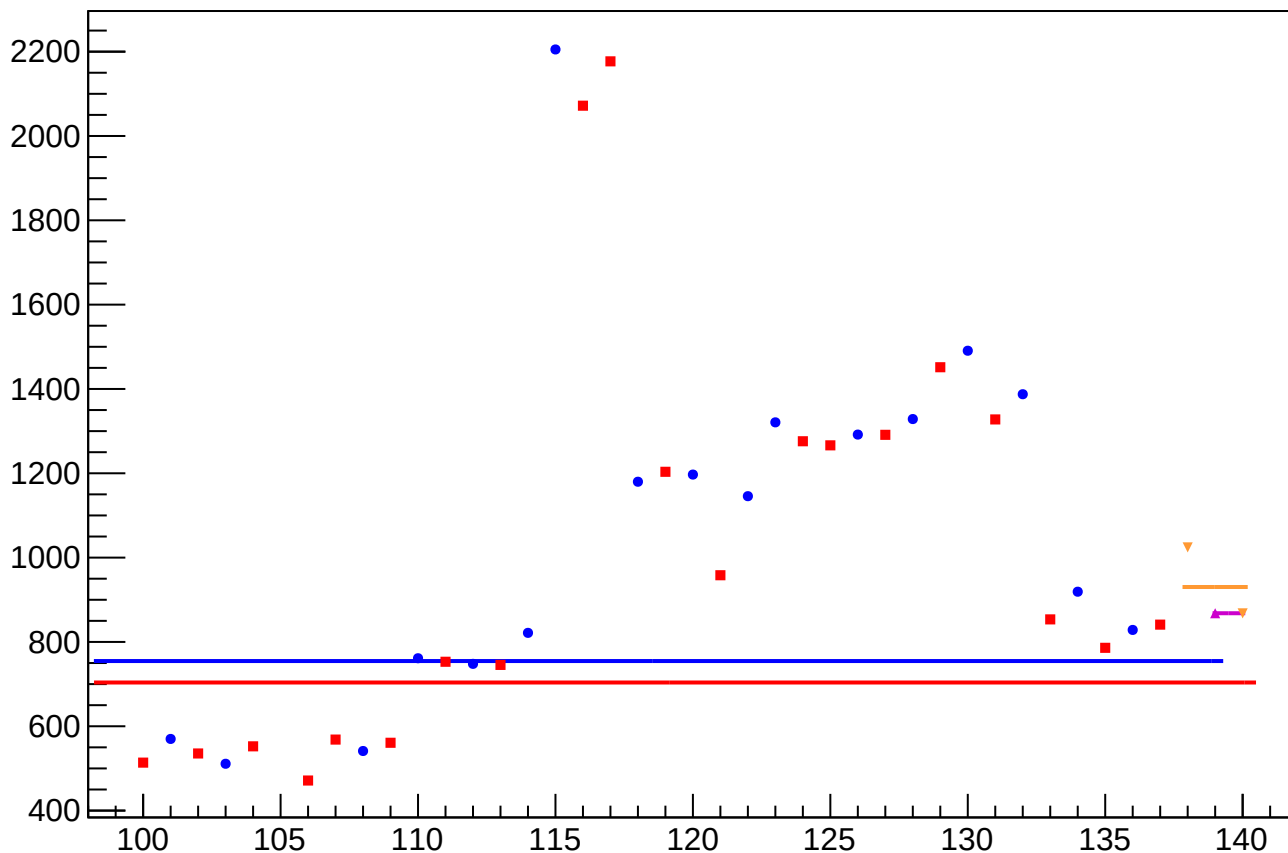
Left In: -1309.486+/-1026.824 χ^2/NDF : 0.0/0

-71.634+/-289.448 χ^2/NDF : 19.9/18

-316.536+/-198.461 χ^2/NDF : 45.2/39

-533.819+/-272.639 χ^2/NDF : 23.9/20

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 930.295+/-0.535 χ^2/NDF : 20543.3/1

Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

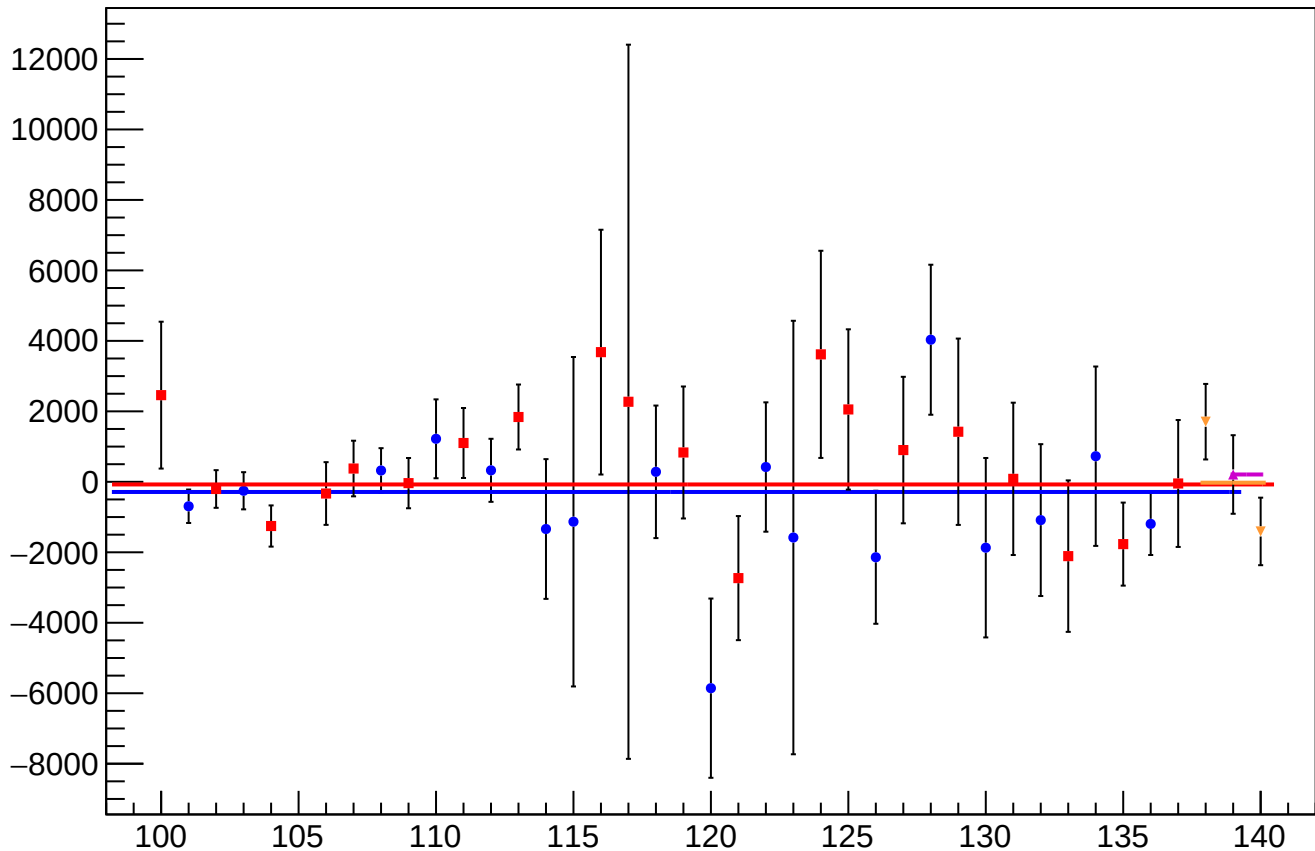
Left In: 868.074+/-0.726 χ^2/NDF : 0.0/0

780.423+/-0.205 χ^2/NDF : 1803253.3/18

745.956+/-0.140 χ^2/NDF : 3635492.1/39

715.376+/-0.193 χ^2/NDF : 1778718.0/20

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 $\pm$ 250.436 χ^2 /NDF: 16.2/16

Left Out: -24.455 $\pm$ 714.332 χ^2 /NDF: 4.7/1

Right Out: -74.735 $\pm$ 246.011 χ^2 /NDF: 21.4/19

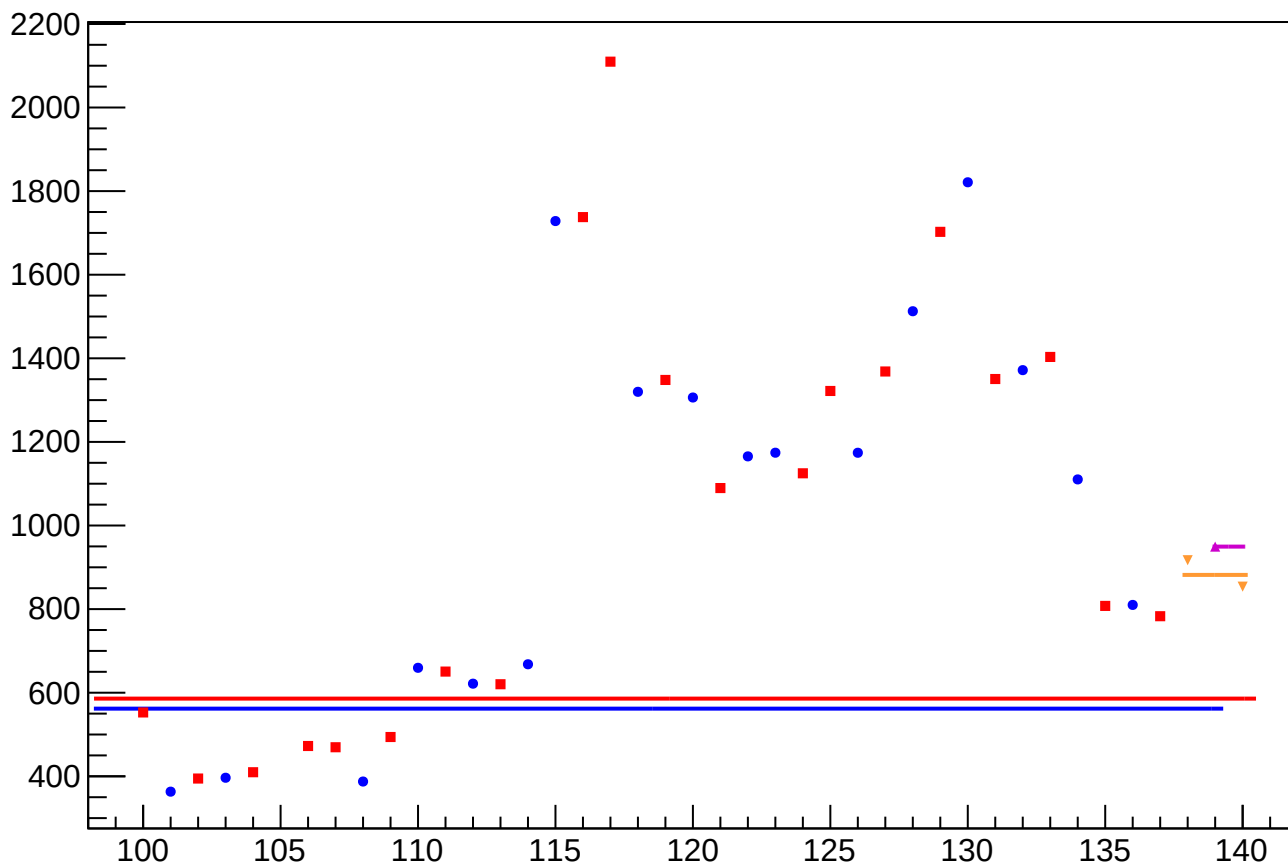
Left In: 208.135 $\pm$ 1115.070 χ^2 /NDF: 0.0/0

-259.186 $\pm$ 236.332 χ^2 /NDF: 21.0/18

-162.013 $\pm$ 168.475 χ^2 /NDF: 42.8/39

-61.605 $\pm$ 240.233 χ^2 /NDF: 21.5/20

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 881.816+/-0.505 χ^2/NDF : 3866.9/1

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

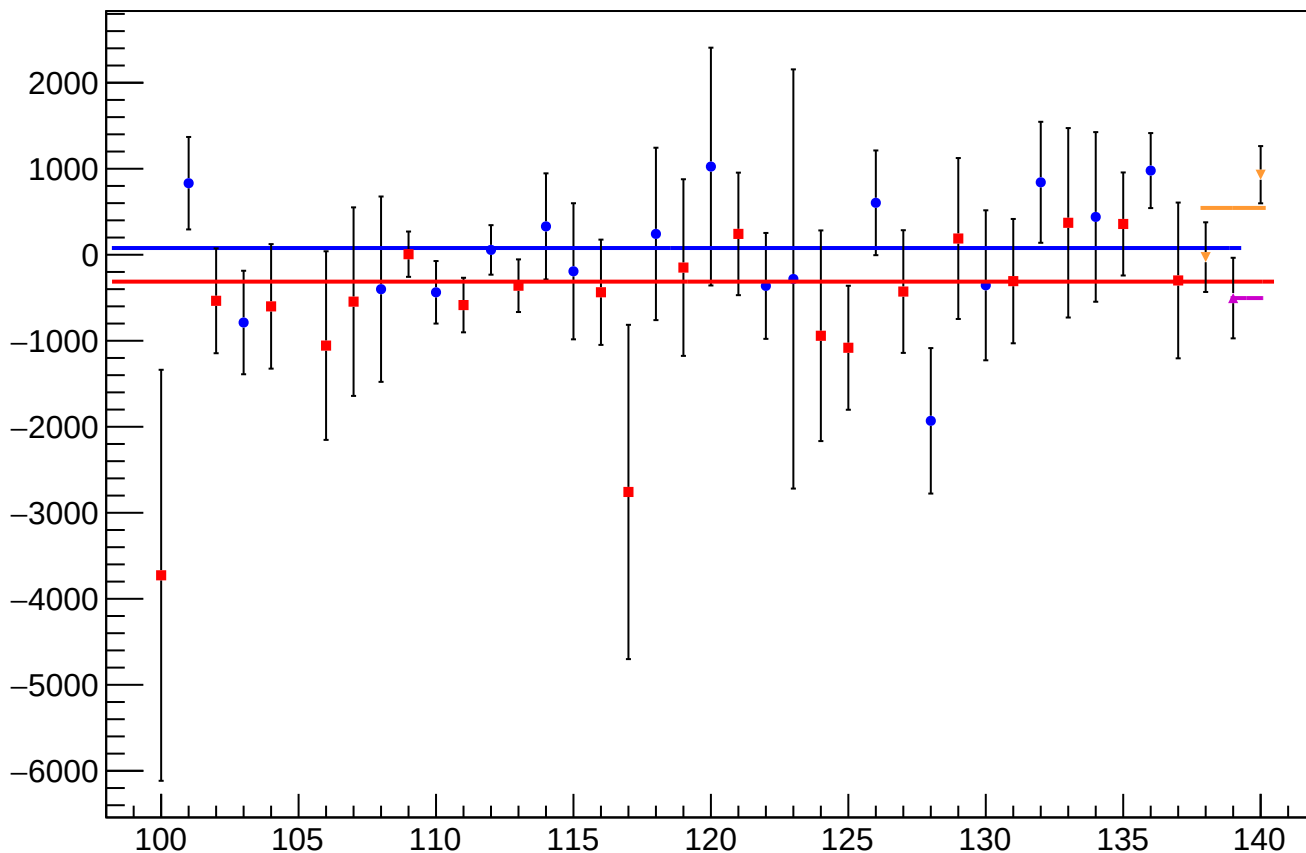
Left In: 949.528+/-0.788 χ^2/NDF : 0.0/0

596.912+/-0.167 χ^2/NDF : 3577768.8/18

599.793+/-0.119 χ^2/NDF : 6650890.7/39

602.770+/-0.170 χ^2/NDF : 3072517.5/20

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 544.341 ± 257.117 χ^2/NDF : 3.3/1

Right Out: -312.536 ± 129.362 χ^2/NDF : 10.7/19

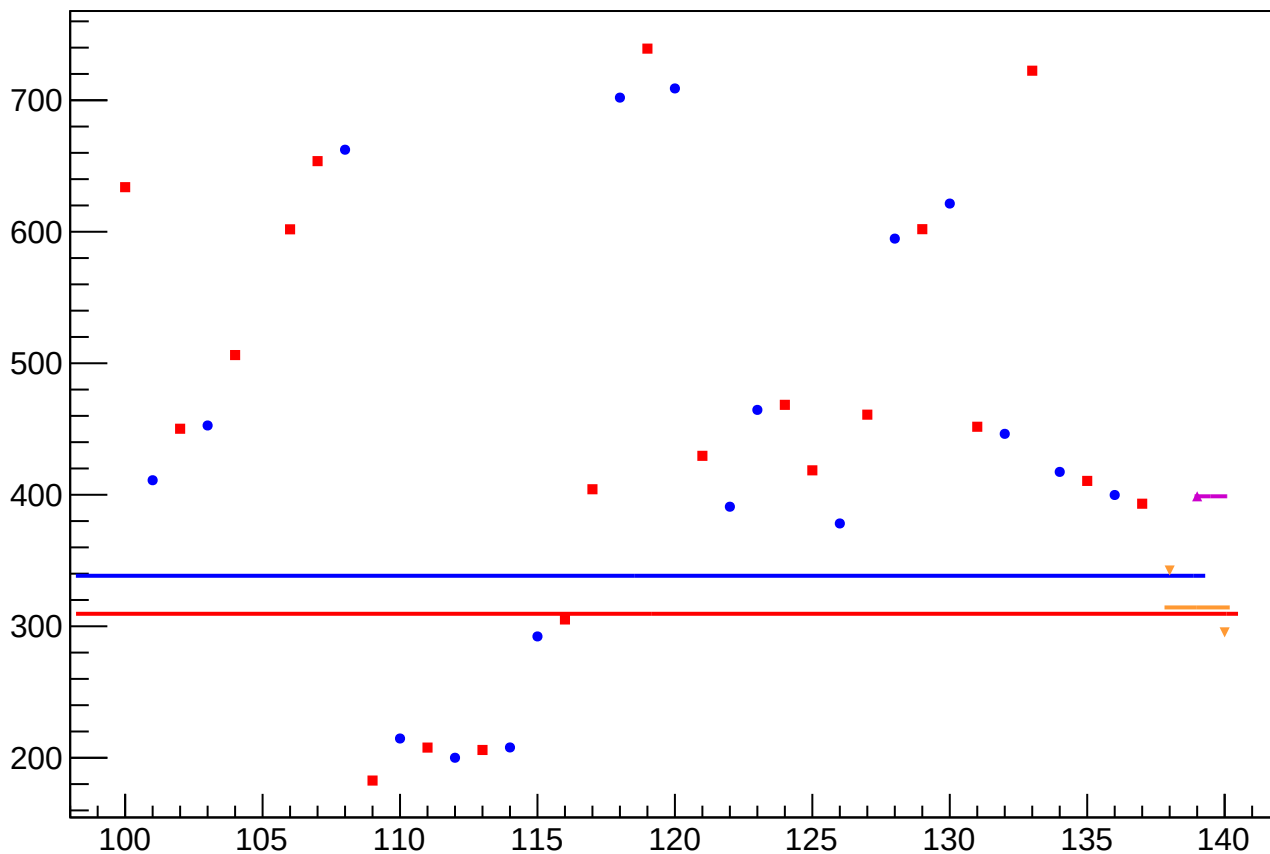
Left In: -503.714 ± 468.328 χ^2/NDF : 0.0/0

188.158 ± 124.885 χ^2/NDF : 25.6/18

-69.361 ± 88.239 χ^2/NDF : 44.9/39

-326.088 ± 124.693 χ^2/NDF : 10.8/20

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 314.332 $\pm$ 0.182 χ^2 /NDF:16102.2/1

Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

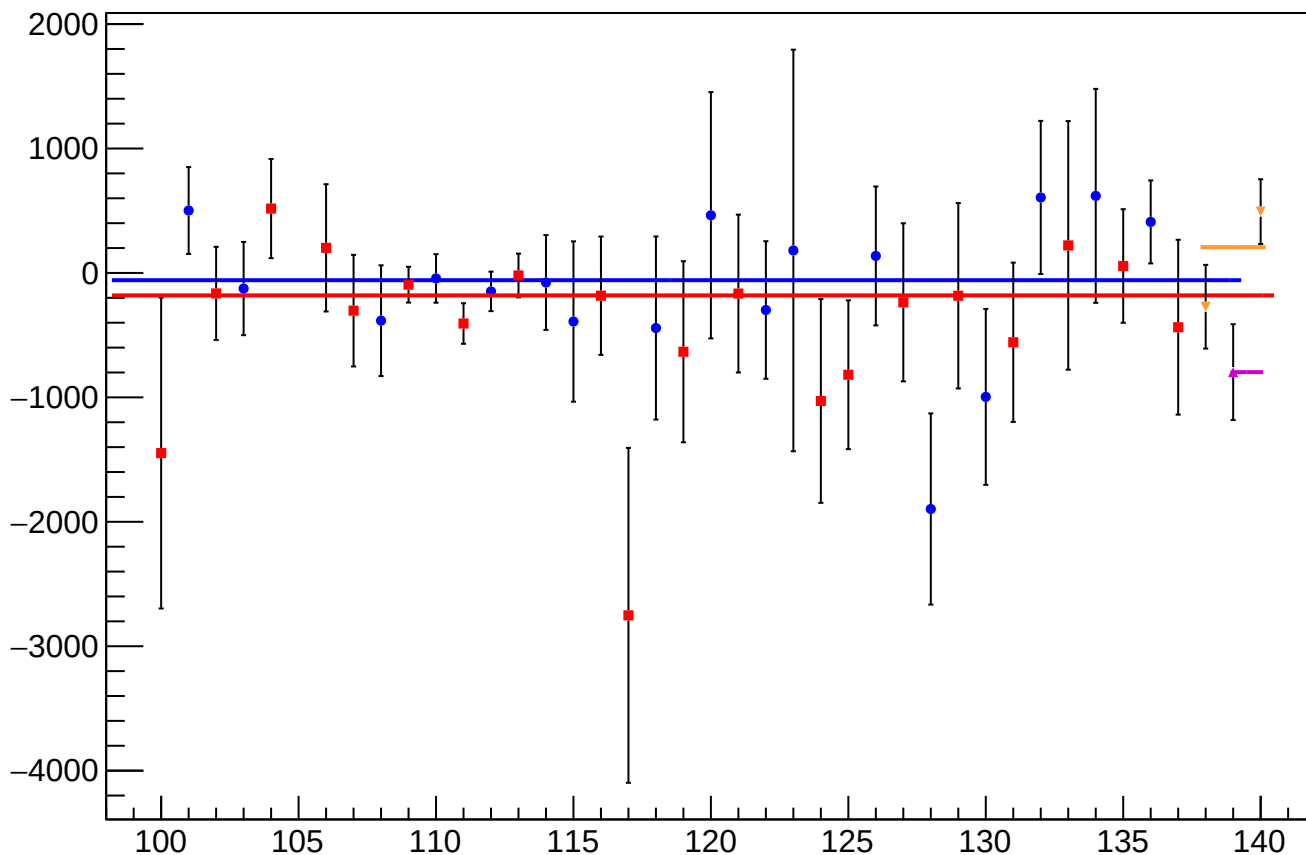
Left In: 398.839 $\pm$ 0.331 χ^2 /NDF:0.0/0

332.728 $\pm$ 0.088 χ^2 /NDF: 2038787.7/18

324.269 $\pm$ 0.062 χ^2 /NDF: 4862964.9/39

315.836 $\pm$ 0.088 χ^2 /NDF: 2805852.9/20

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 $\pm$ 90.484 χ^2 /NDF: 15.9/16

Left Out: 206.913 $\pm$ 205.804 χ^2 /NDF: 3.2/1

Right Out: -180.354 $\pm$ 76.795 χ^2 /NDF: 15.0/19

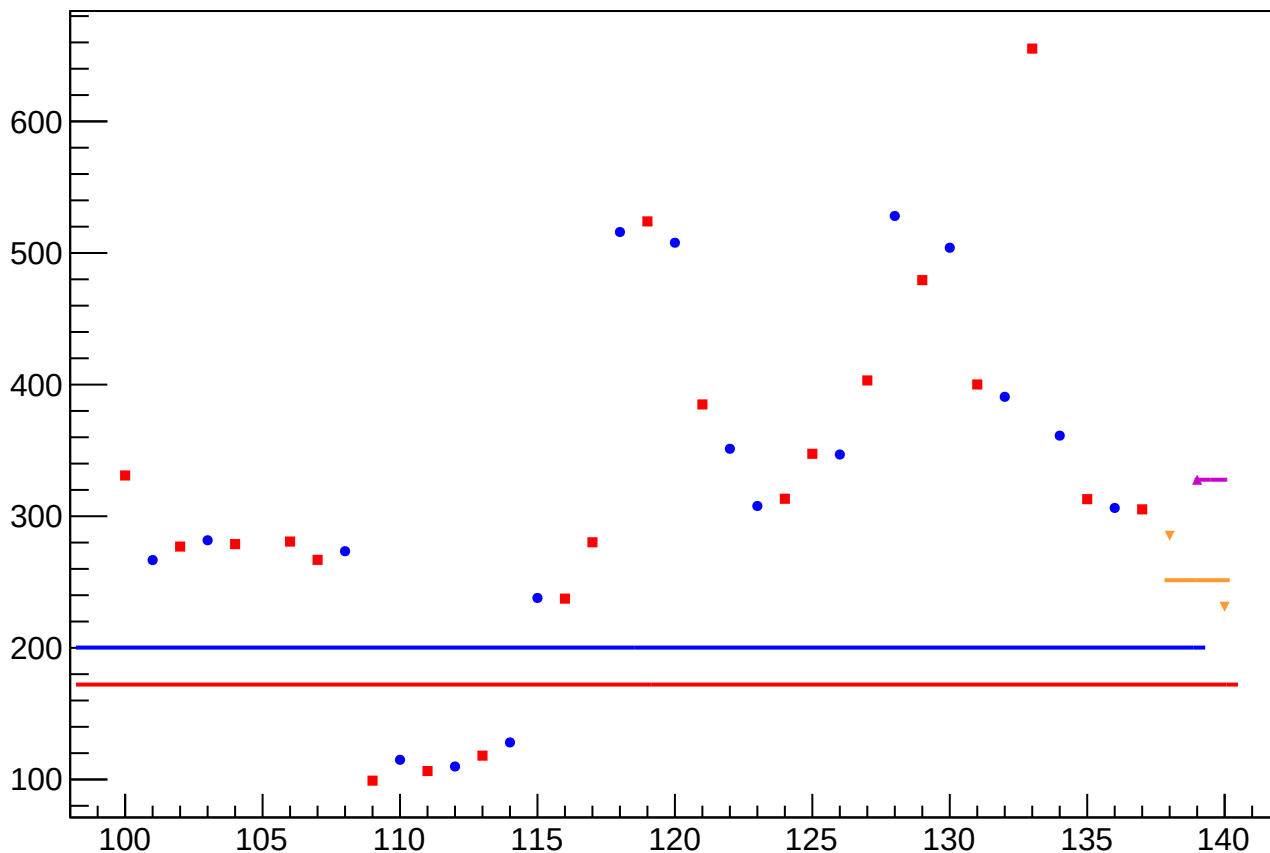
Left In: -797.182 $\pm$ 385.276 χ^2 /NDF: 0.0/0

-15.337 $\pm$ 82.832 χ^2 /NDF: 20.5/18

-118.577 $\pm$ 55.723 χ^2 /NDF: 40.8/39

-203.924 $\pm$ 75.313 χ^2 /NDF: 17.5/20

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 251.409+/-0.146 χ^2/NDF : 32102.5/1

Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

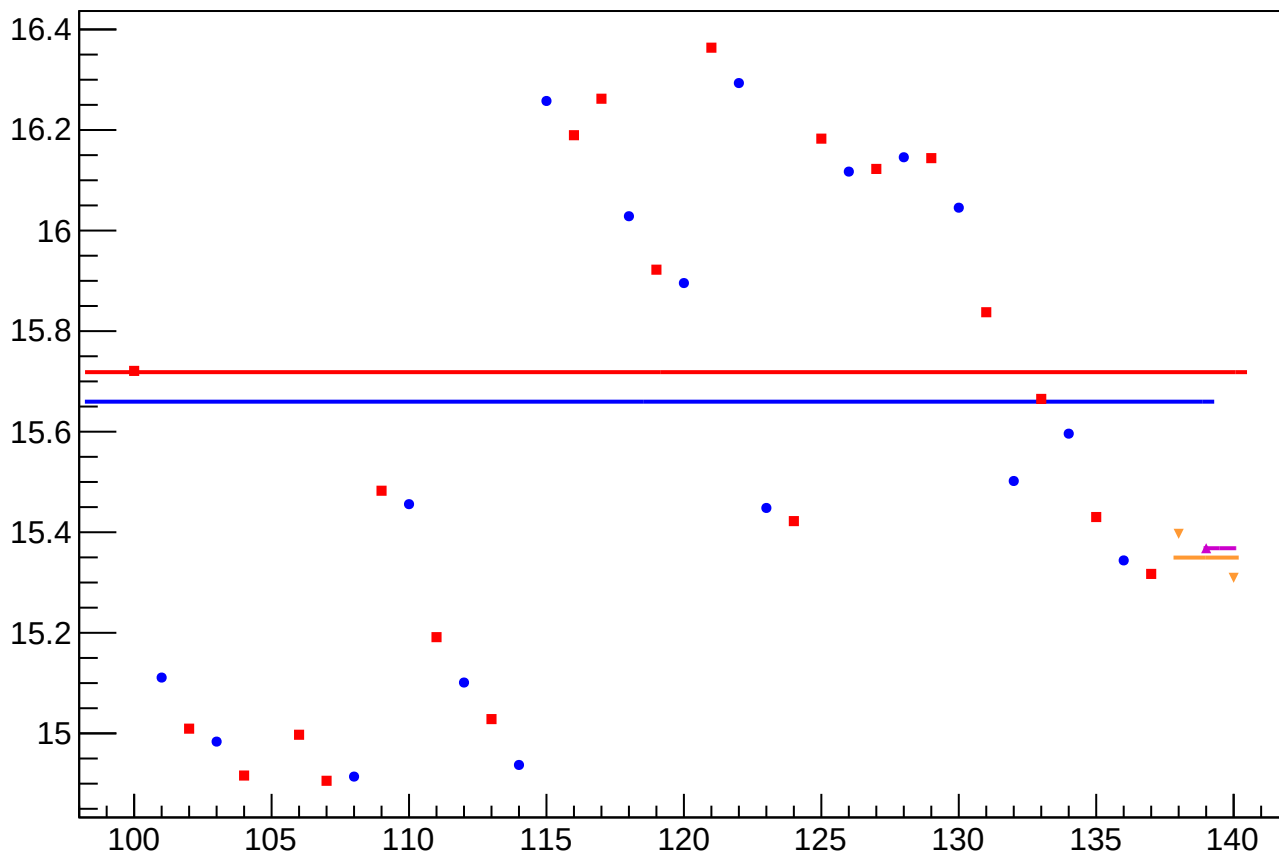
Left In: 327.750+/-0.272 χ^2/NDF : 0.0/0

208.503+/-0.059 χ^2/NDF : 3523033.6/18

191.836+/-0.039 χ^2/NDF : 8091726.1/39

178.057+/-0.053 χ^2/NDF : 4420779.2/20

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660+/-0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.350+/-0.000 χ^2/NDF : 27918044.9/1

Right Out: 15.718+/-0.000 χ^2/NDF : 5490626945.9/19

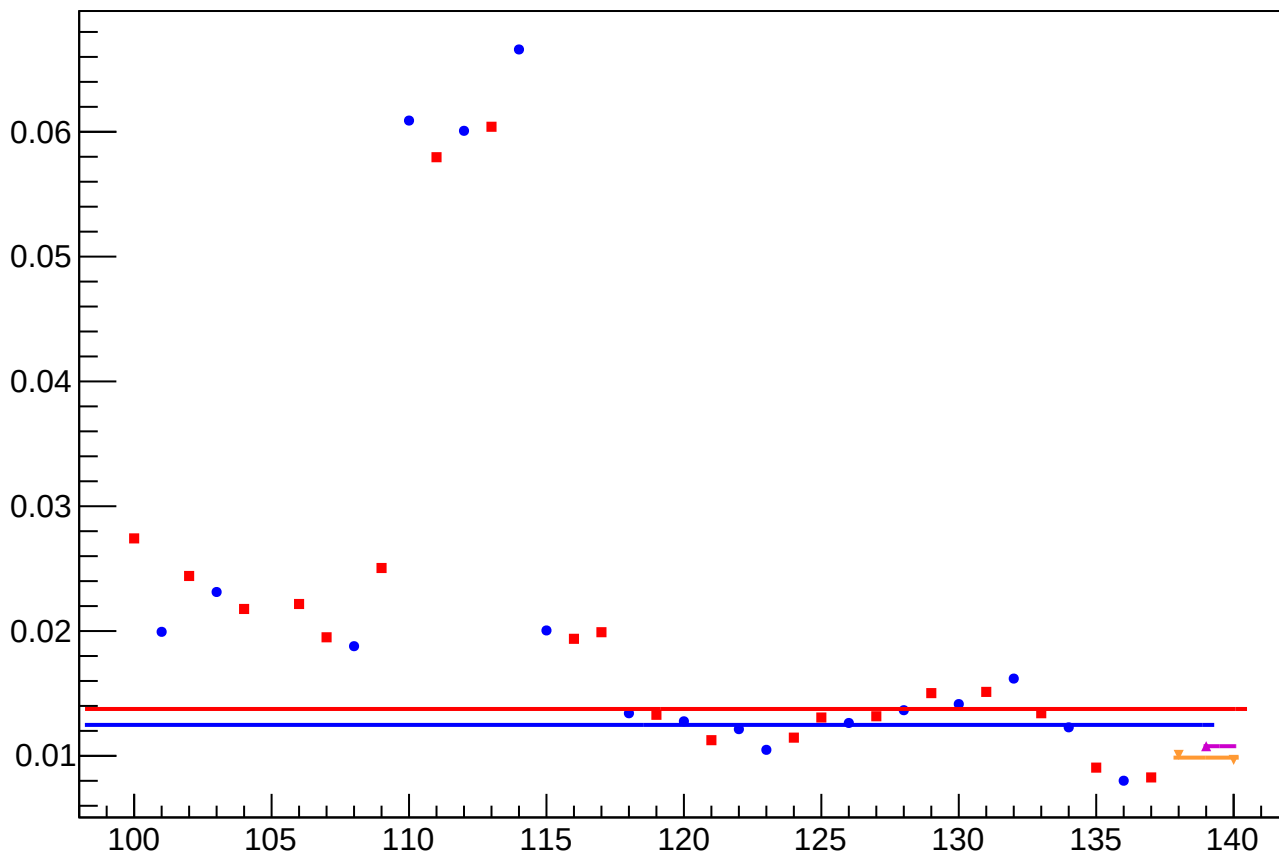
Left In: 15.368+/-0.000 χ^2/NDF : 0.0/0

15.564+/-0.000 χ^2/NDF : 6788557858.5/18

15.604+/-0.000 χ^2/NDF : 13071033440.2/20

15.658+/-0.000 χ^2/NDF : 6106698355.2/20

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:1177.4/1

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

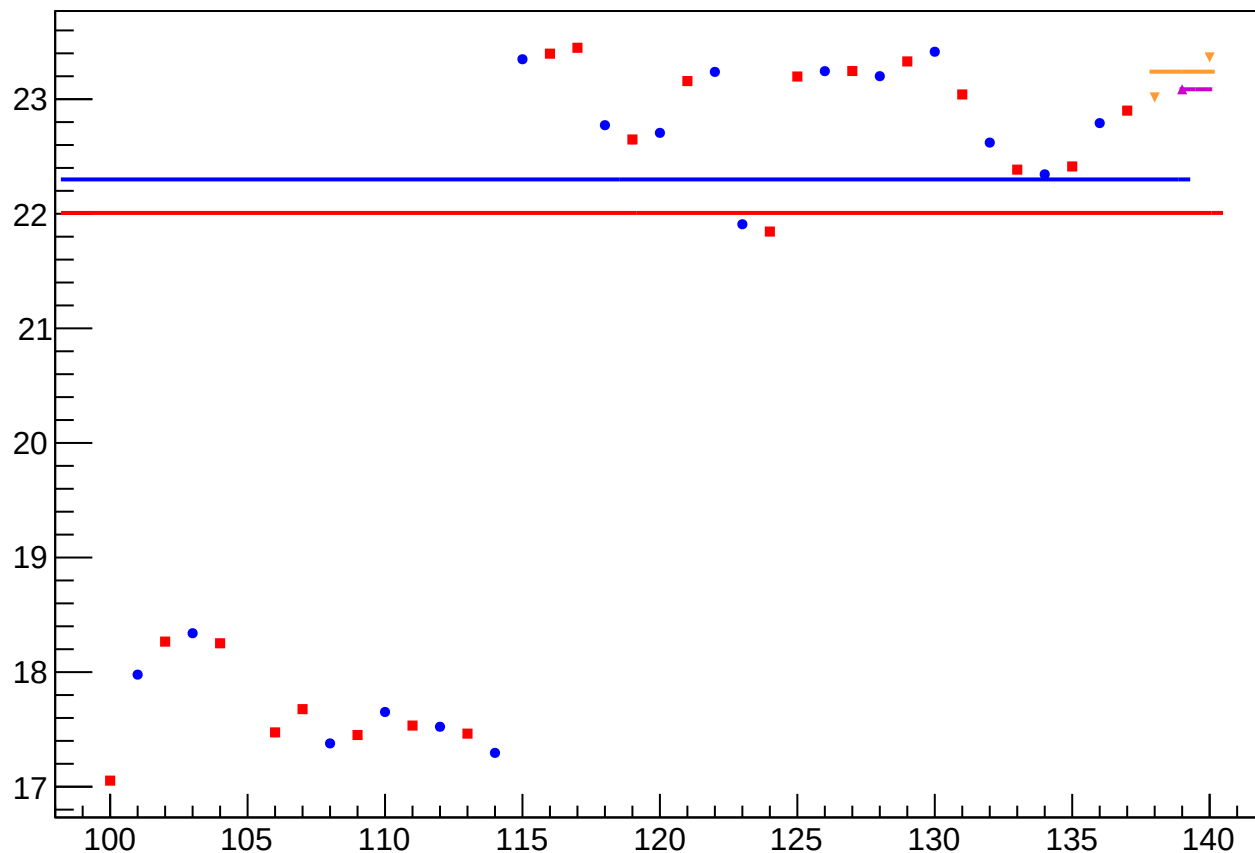
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.012 $\pm$ 0.000 χ^2 /NDF: 2293861.1/18

0.012 $\pm$ 0.000 χ^2 /NDF: 4567155.4/39

0.013 $\pm$ 0.000 χ^2 /NDF: 2174330.4/20

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 23.240+/-0.000 χ^2/NDF : 2520614.3/1

Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

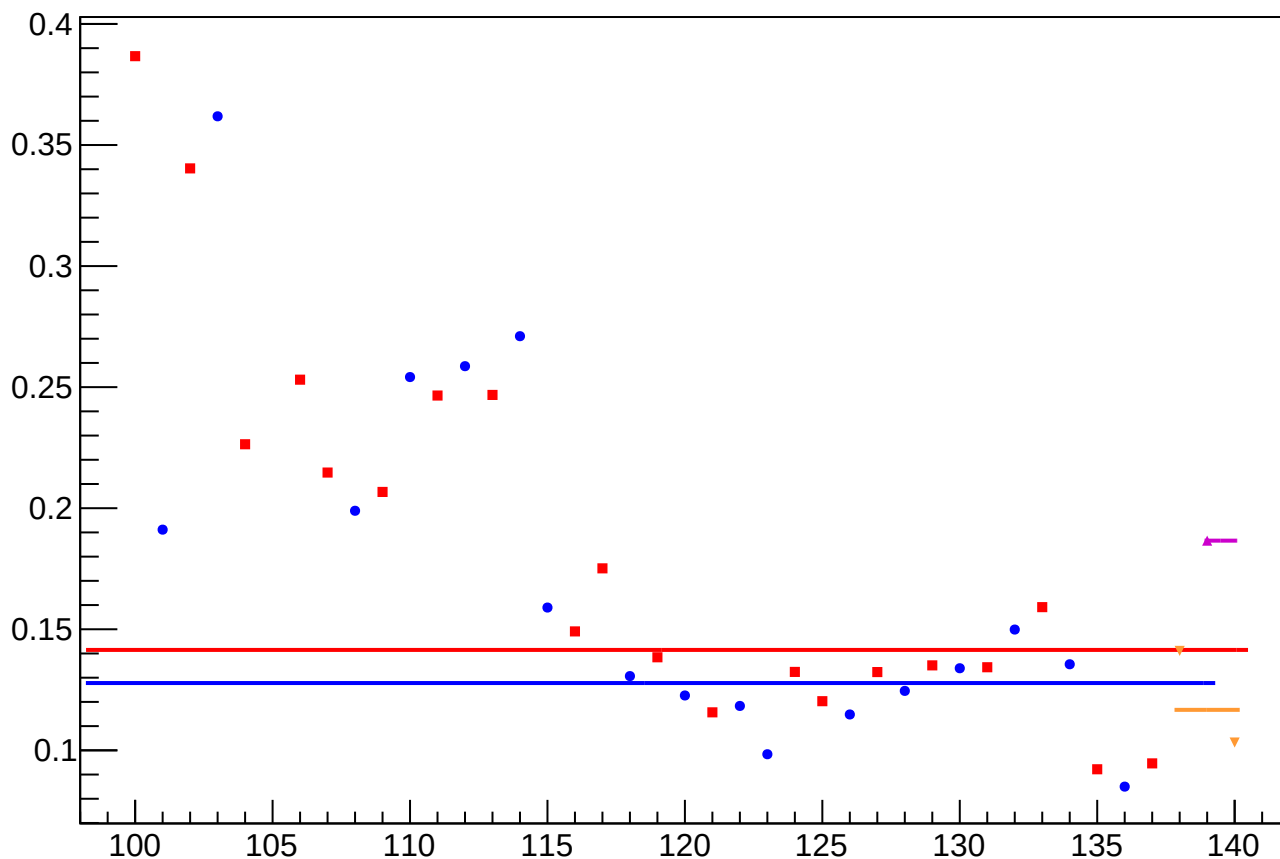
Left In: 23.086+/-0.000 χ^2/NDF : 0.0/0

22.512+/-0.000 χ^2/NDF : 1002646621.4/18

22.328+/-0.000 χ^2/NDF : 2125209635.2/3

22.082+/-0.000 χ^2/NDF : 1091112156.6/20

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.117+/-0.000 χ^2/NDF : 59245.4/1

Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

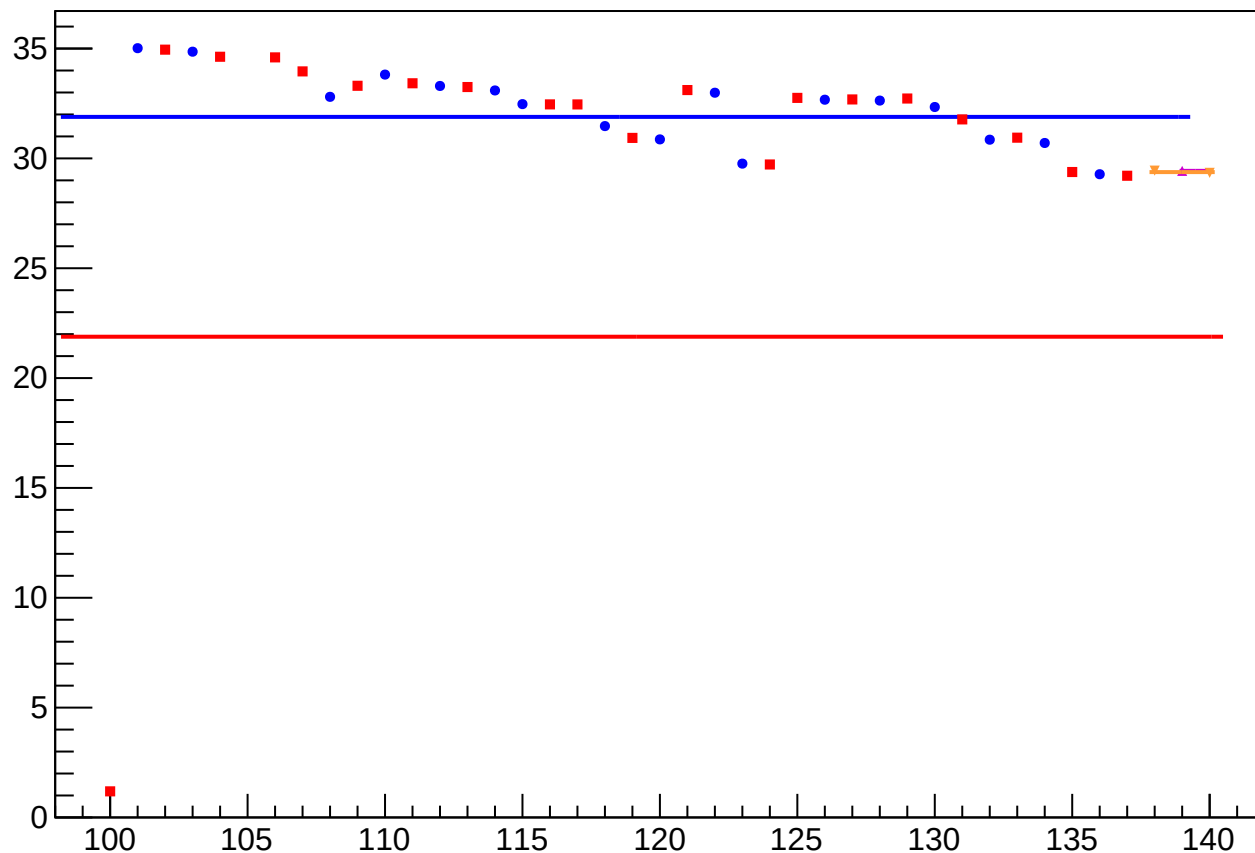
Left In: 0.187+/-0.000 χ^2/NDF : 0.0/0

0.125+/-0.000 χ^2/NDF : 1568476.8/18

0.134+/-0.000 χ^2/NDF : 3226395.5/39

0.145+/-0.000 χ^2/NDF : 1530632.4/20

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 29.377+/-0.000 χ^2/NDF : 335746.6/1

Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

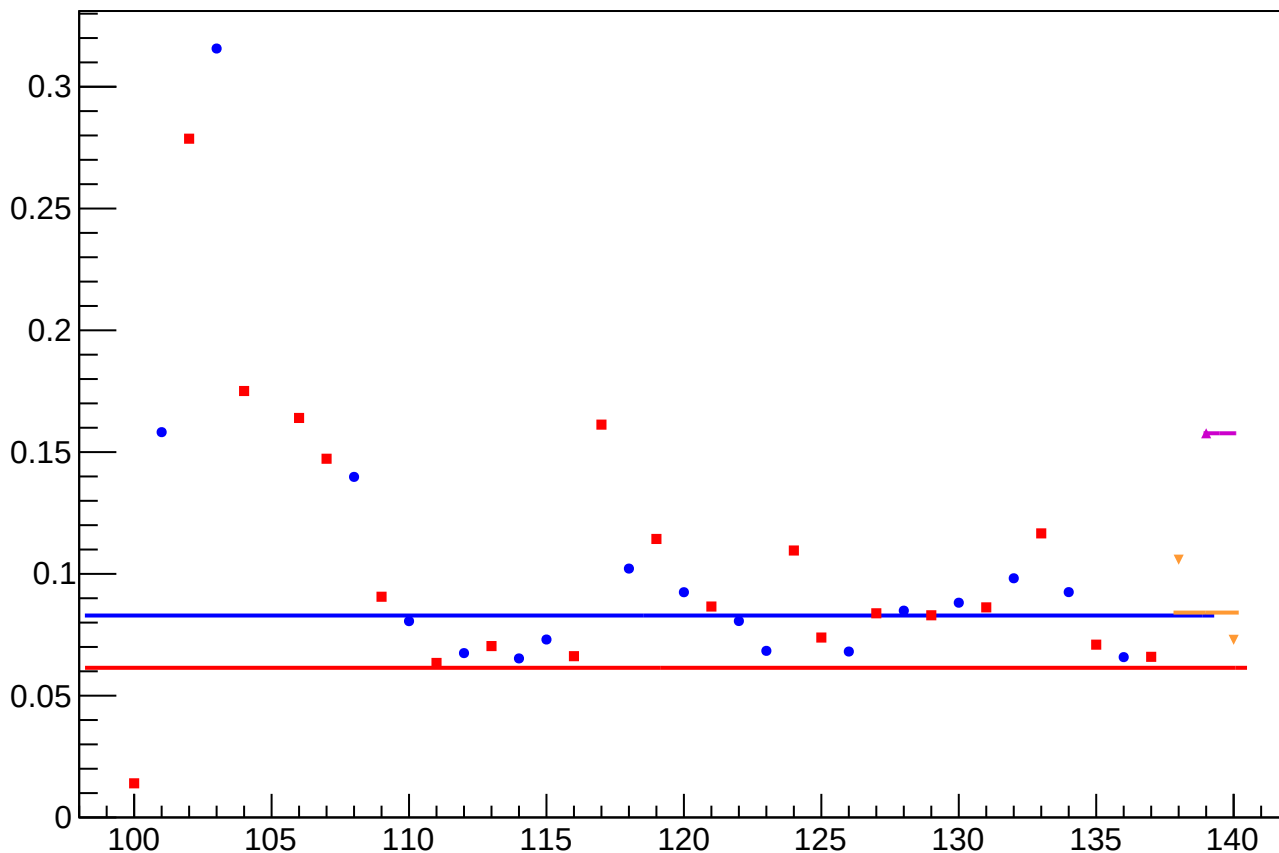
Left In: 29.433+/-0.000 χ^2/NDF : 0.0/0

31.458+/-0.000 χ^2/NDF : 2702988633.7/18

26.208+/-0.000 χ^2/NDF : 276907385746.6

22.082+/-0.000 χ^2/NDF : 231846004169.5/20

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF: 71699.6/1

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3635656.2/19

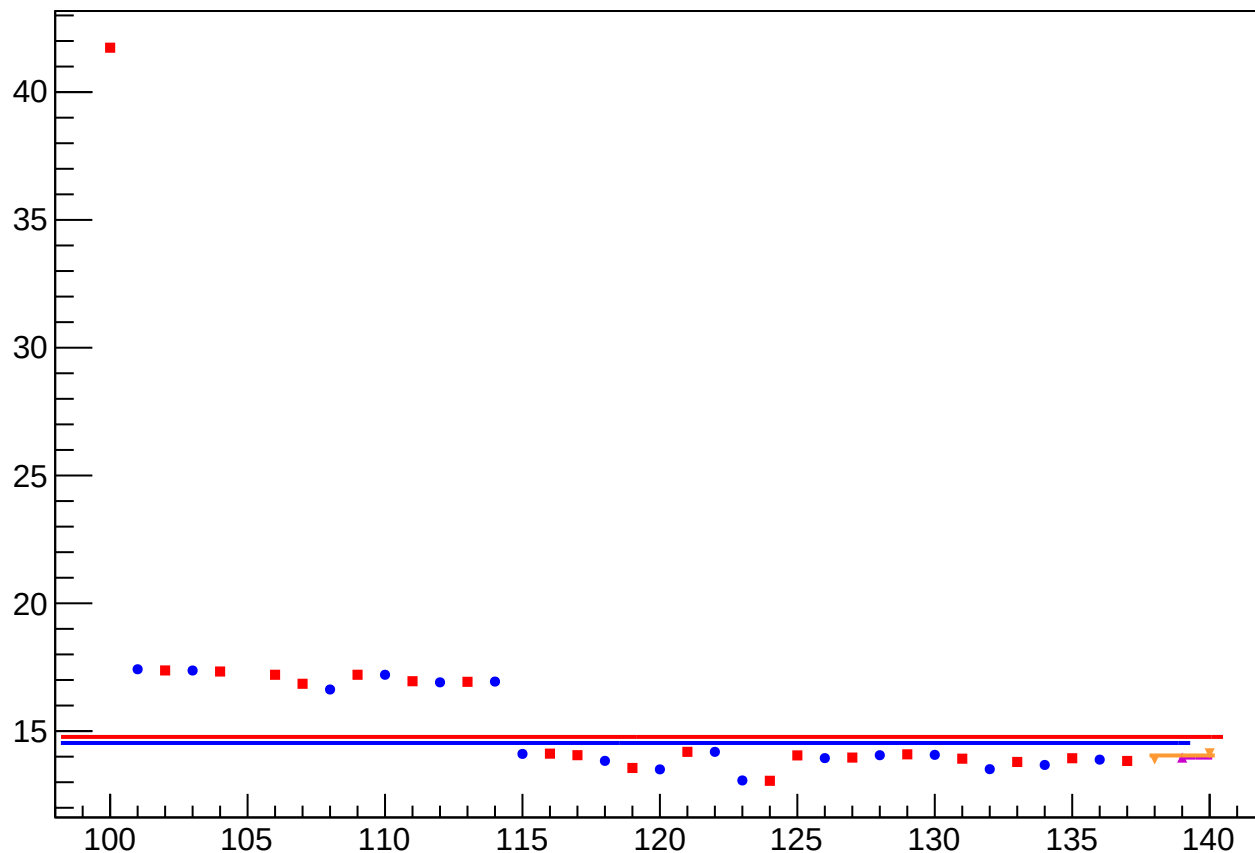
Left In: 0.158 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.083 $\pm$ 0.000 χ^2 /NDF: 1236509.2/18

0.072 $\pm$ 0.000 χ^2 /NDF: 5745209.4/39

0.064 $\pm$ 0.000 χ^2 /NDF: 4155809.5/20

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.047+/-0.000 χ^2/NDF : 2245796.5/1

Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

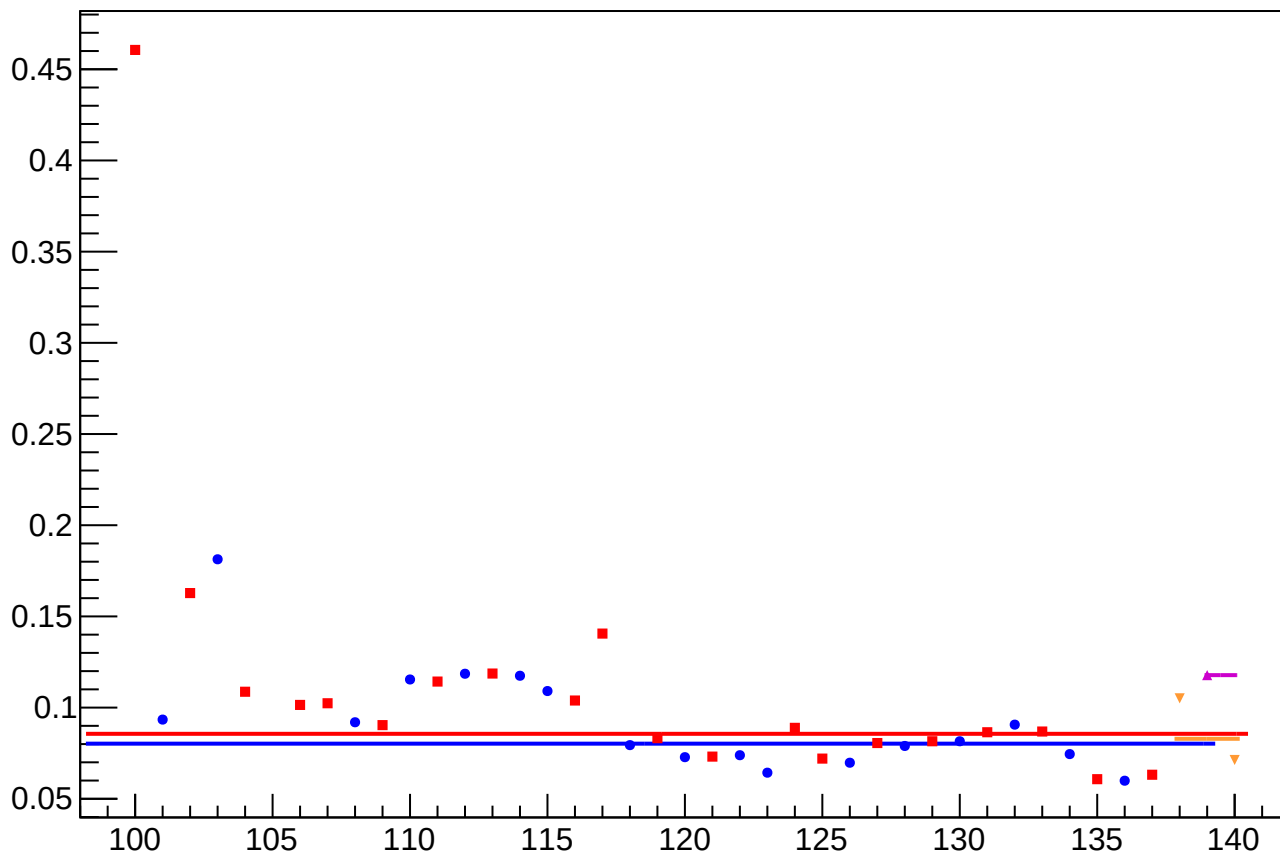
Left In: 13.963+/-0.000 χ^2/NDF : 0.0/0

14.455+/-0.000 χ^2/NDF : 1506503940.7/18

14.577+/-0.000 χ^2/NDF : 3459400754.2/3

14.724+/-0.000 χ^2/NDF : 1919149672.1/20

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.083+/-0.000 χ^2/NDF : 87204.4/1

Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

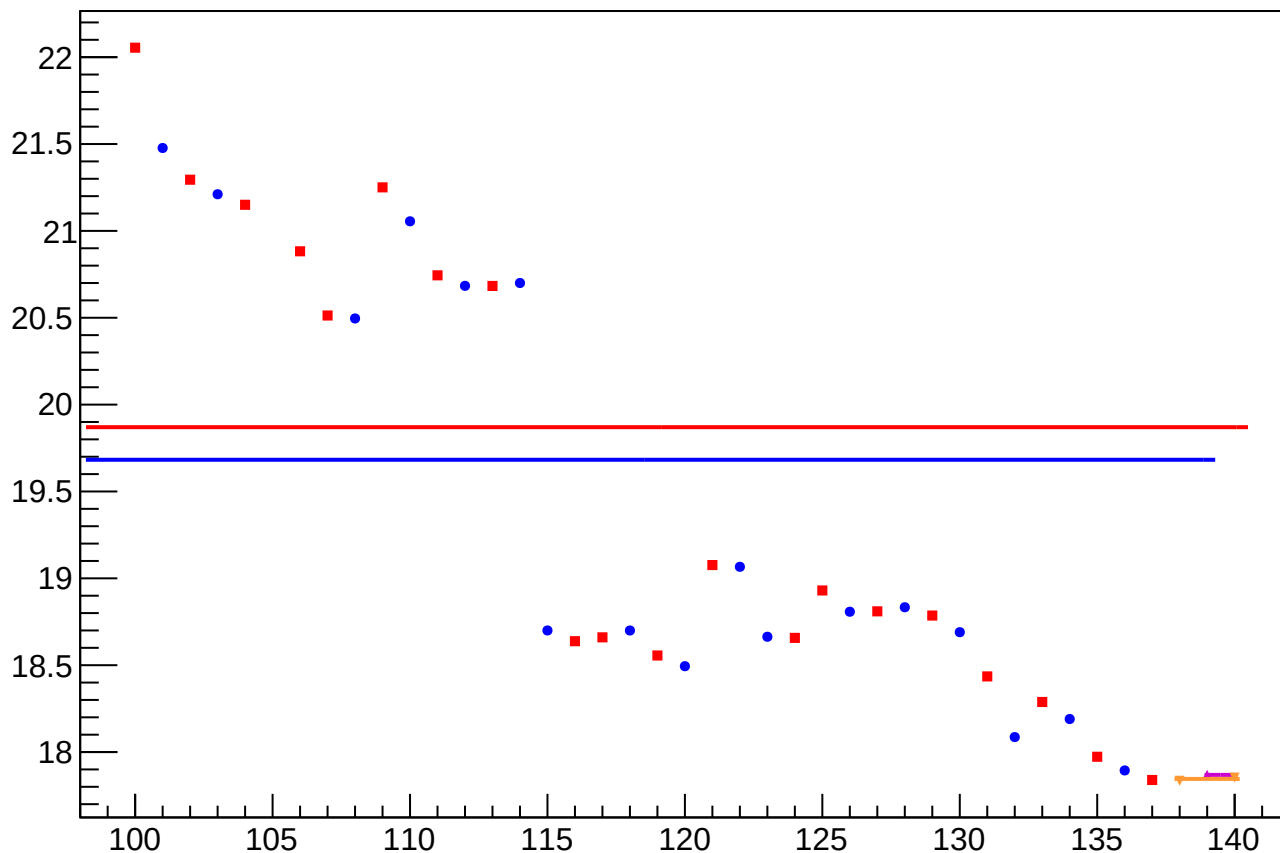
Left In: 0.118+/-0.000 χ^2/NDF : 0.0/0

0.081+/-0.000 χ^2/NDF : 867945.0/18

0.084+/-0.000 χ^2/NDF : 1761416.4/39

0.088+/-0.000 χ^2/NDF : 849397.6/20

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.845+/-0.000 χ^2/NDF : 93571.3/1

Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

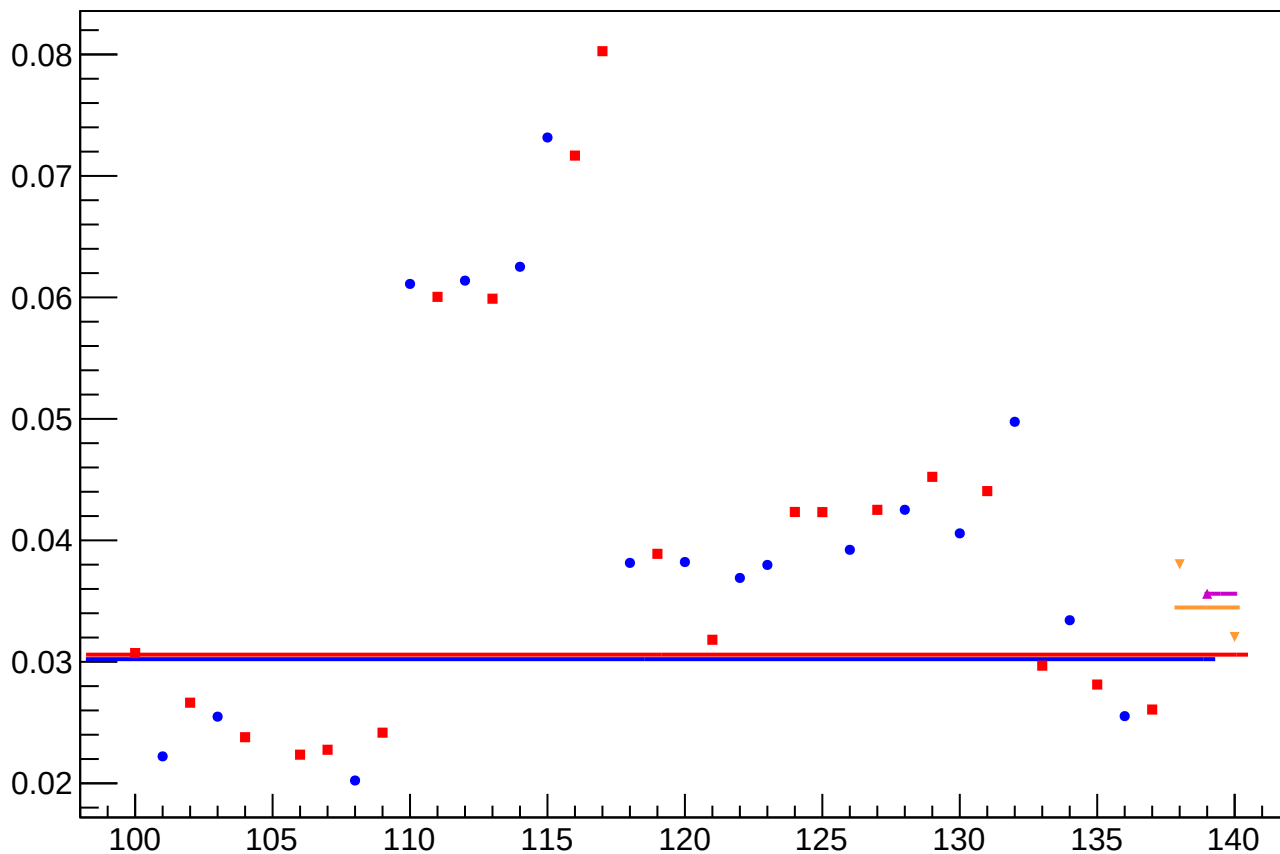
Left In: 17.869+/-0.000 χ^2/NDF : 0.0/0

19.383+/-0.000 χ^2/NDF : 15640299328.8/18

19.542+/-0.000 χ^2/NDF : 29383148610.4/19

19.710+/-0.000 χ^2/NDF : 13364942516.3/20

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.034+/-0.000 χ^2/NDF : 20554.1/1

Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

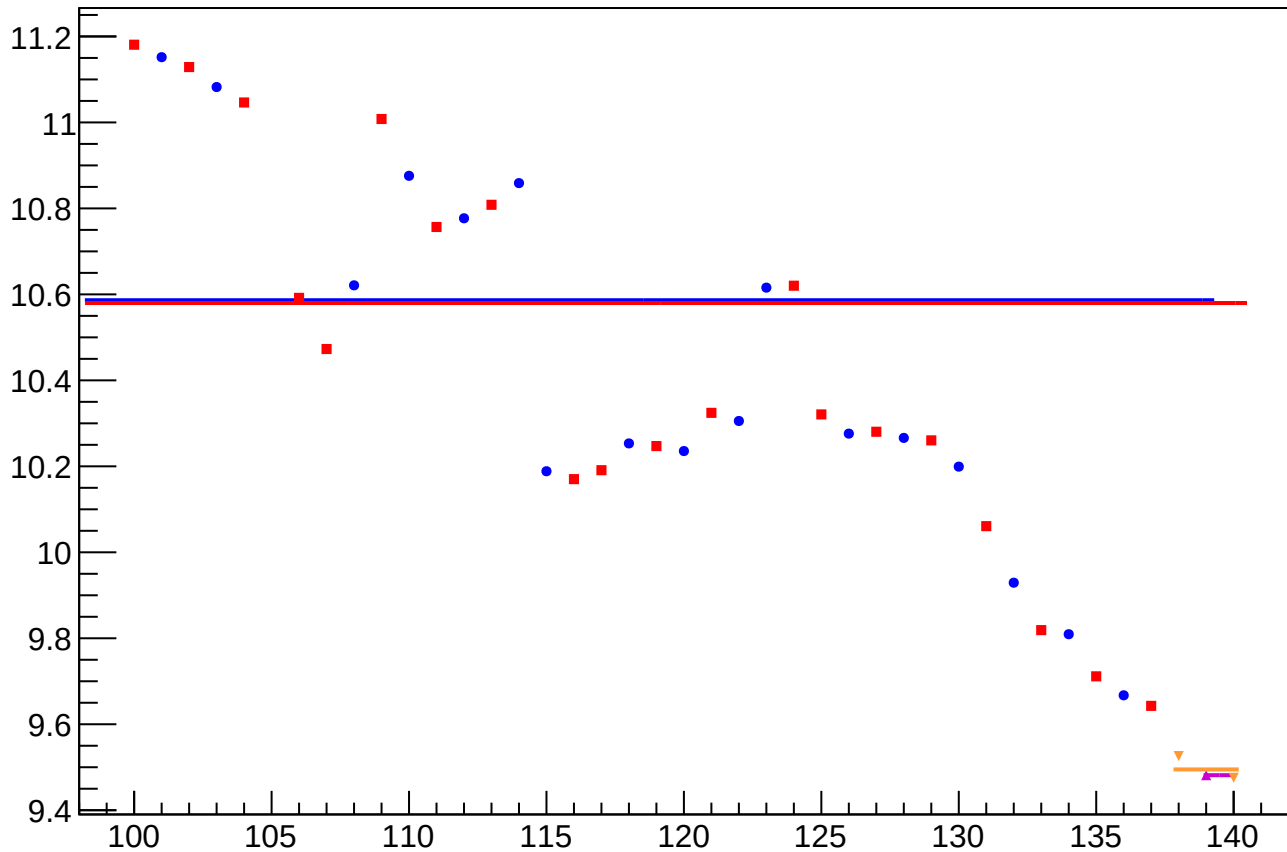
Left In: 0.036+/-0.000 χ^2/NDF : 0.0/0

0.031+/-0.000 χ^2/NDF : 1381137.7/18

0.031+/-0.000 χ^2/NDF : 2625918.3/39

0.031+/-0.000 χ^2/NDF : 1244734.6/20

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.495 $\pm$ 0.000 χ^2 /NDF: 2166783.9/1

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5769007164.9/19

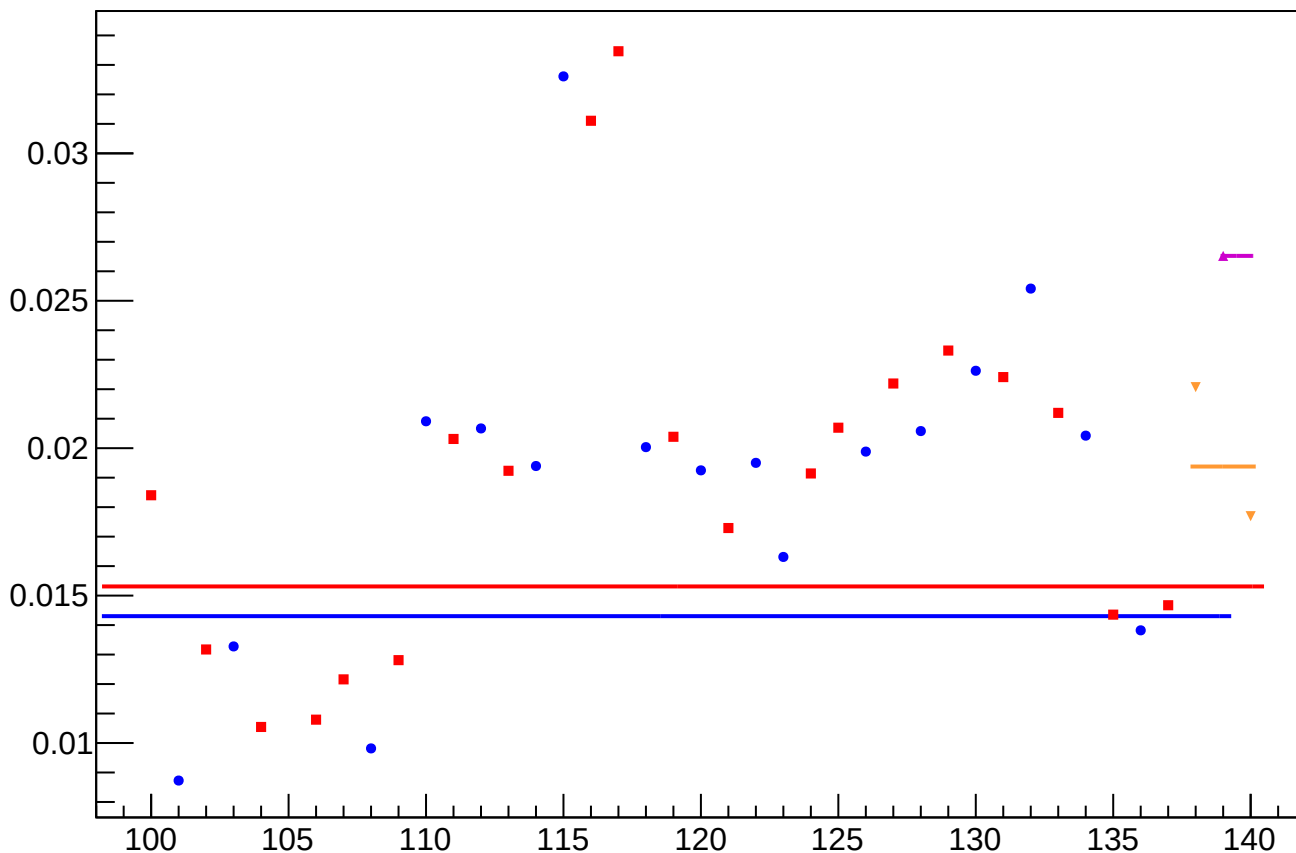
Left In: 9.481 $\pm$ 0.000 χ^2 /NDF: 0.0/0

10.454 $\pm$ 0.000 χ^2 /NDF: 11178662264.5/18

10.493 $\pm$ 0.000 χ^2 /NDF: 18228760279.4/1

10.537 $\pm$ 0.000 χ^2 /NDF: 6953888922.7/20

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.019+/-0.000 χ^2/NDF :32540.9/1

Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

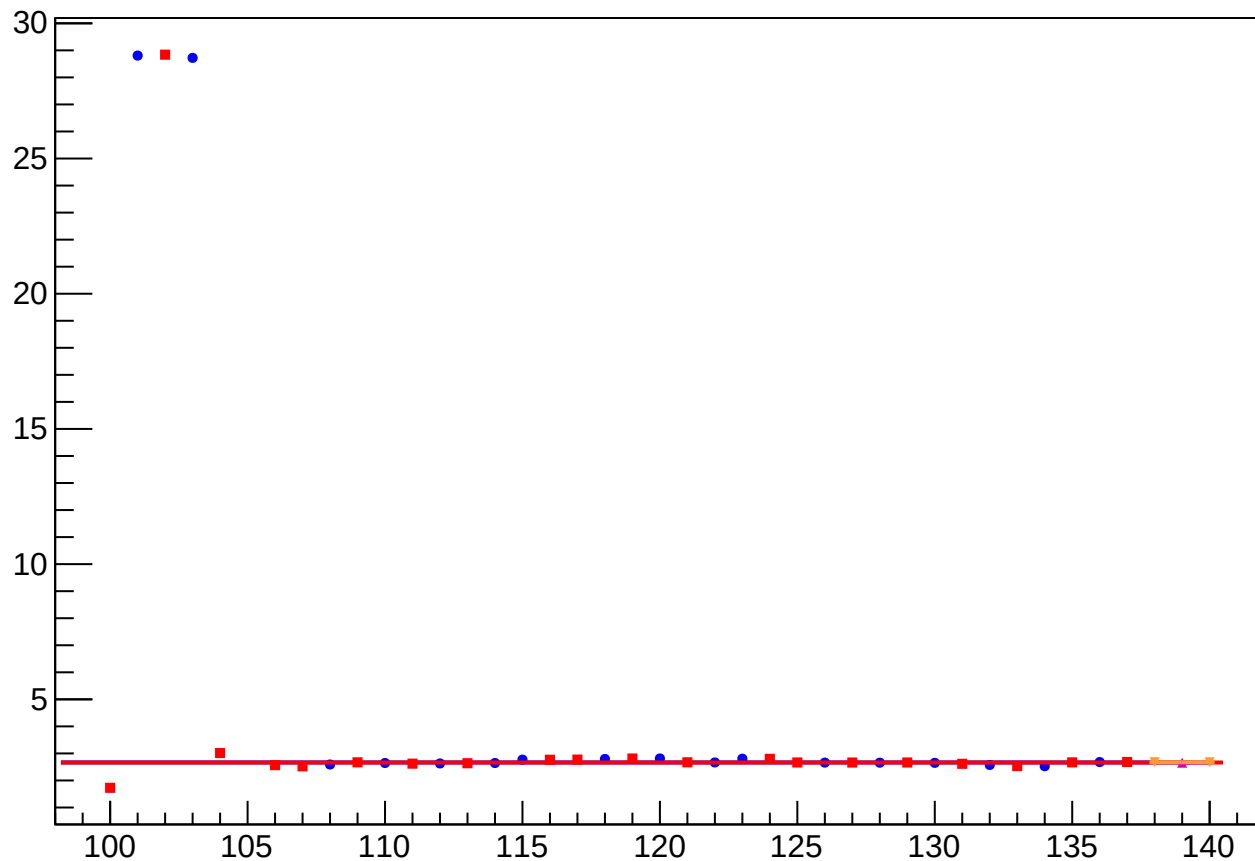
Left In: 0.027+/-0.000 χ^2/NDF :0.0/0

0.015+/-0.000 χ^2/NDF : 1602973.7/18

0.015+/-0.000 χ^2/NDF : 2880495.2/39

0.016+/-0.000 χ^2/NDF : 1258388.2/20

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.672+/-0.000 χ^2/NDF : 404360.6/1

Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

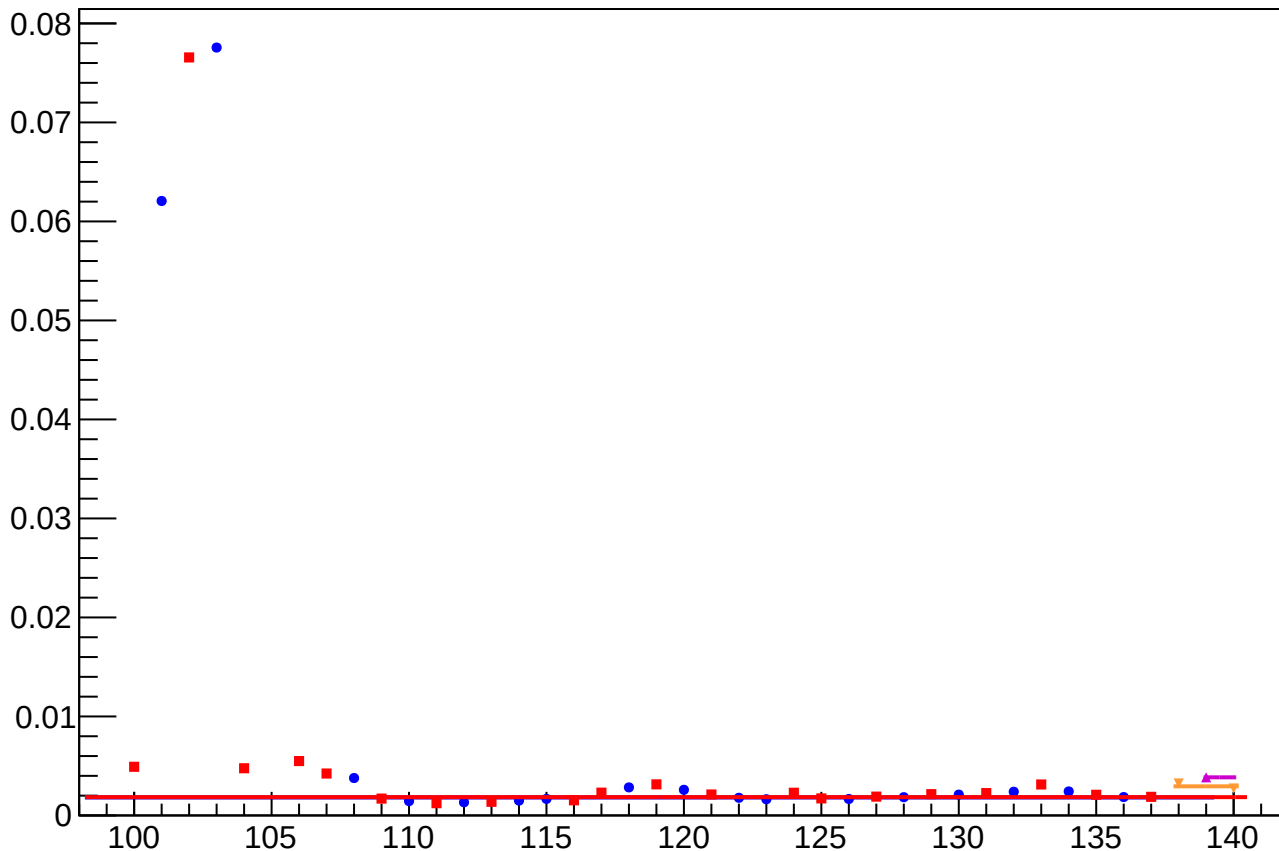
Left In: 2.658+/-0.000 χ^2/NDF : 0.0/0

2.667+/-0.000 χ^2/NDF : 163172584224.8/18

2.665+/-0.000 χ^2/NDF : 233663668110.5/10

2.664+/-0.000 χ^2/NDF : 70485500918.5/20

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.003+/-0.000 χ^2/NDF :17119.4/1

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

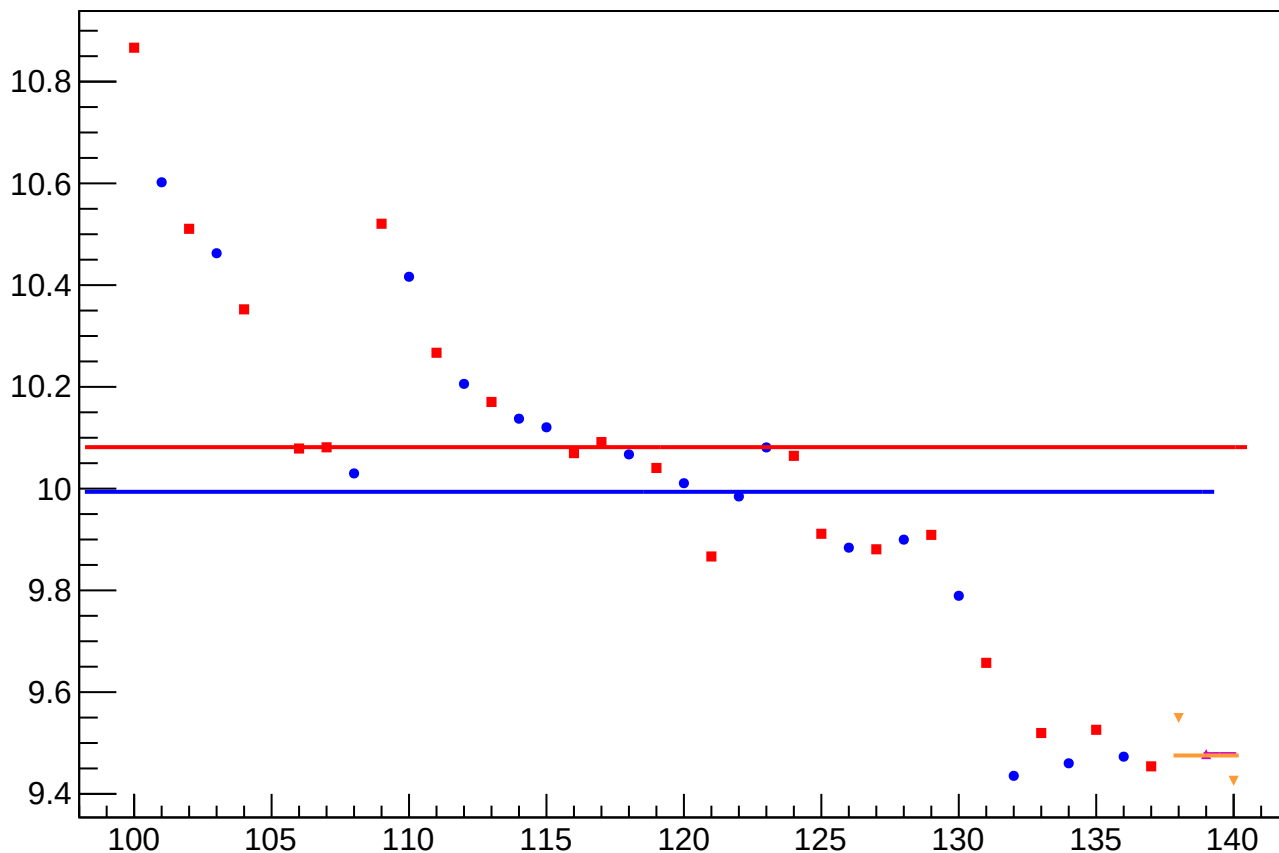
Left In: 0.004+/-0.000 χ^2/NDF :0.0/0

0.002+/-0.000 χ^2/NDF : 2995887.8/18

0.002+/-0.000 χ^2/NDF : 5695970.9/39

0.002+/-0.000 χ^2/NDF : 2699953.5/20

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 9.476 $\pm$ 0.000 χ^2 /NDF: 49118791.6/1

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502760782.3/19

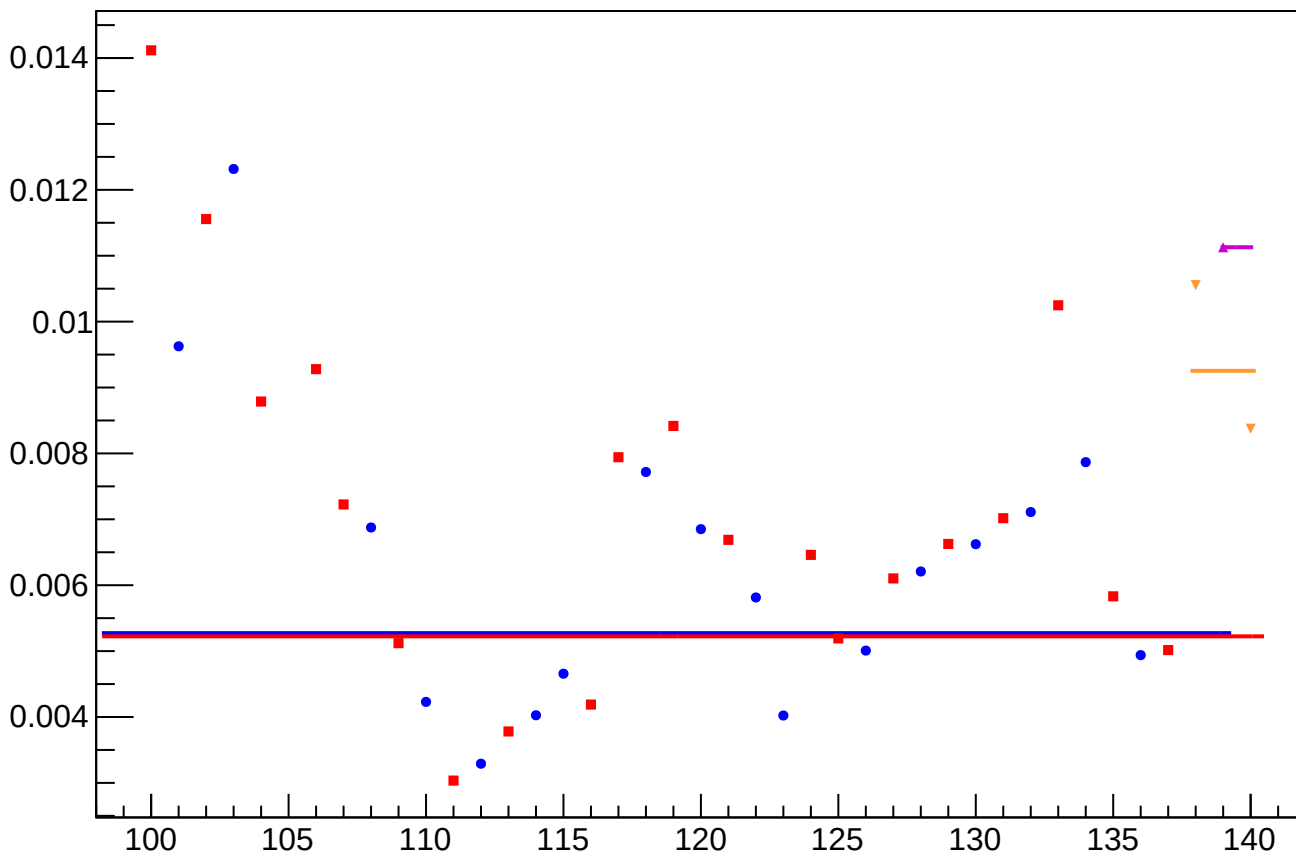
Left In: 9.478 $\pm$ 0.000 χ^2 /NDF: 0.0/0

9.958 $\pm$ 0.000 χ^2 /NDF: 22217521381.6/18

10.012 $\pm$ 0.000 χ^2 /NDF: 40785211297.0/1

10.065 $\pm$ 0.000 χ^2 /NDF: 17447051140.1/20

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.009+/-0.000 χ^2/NDF : 30651.8/1

Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

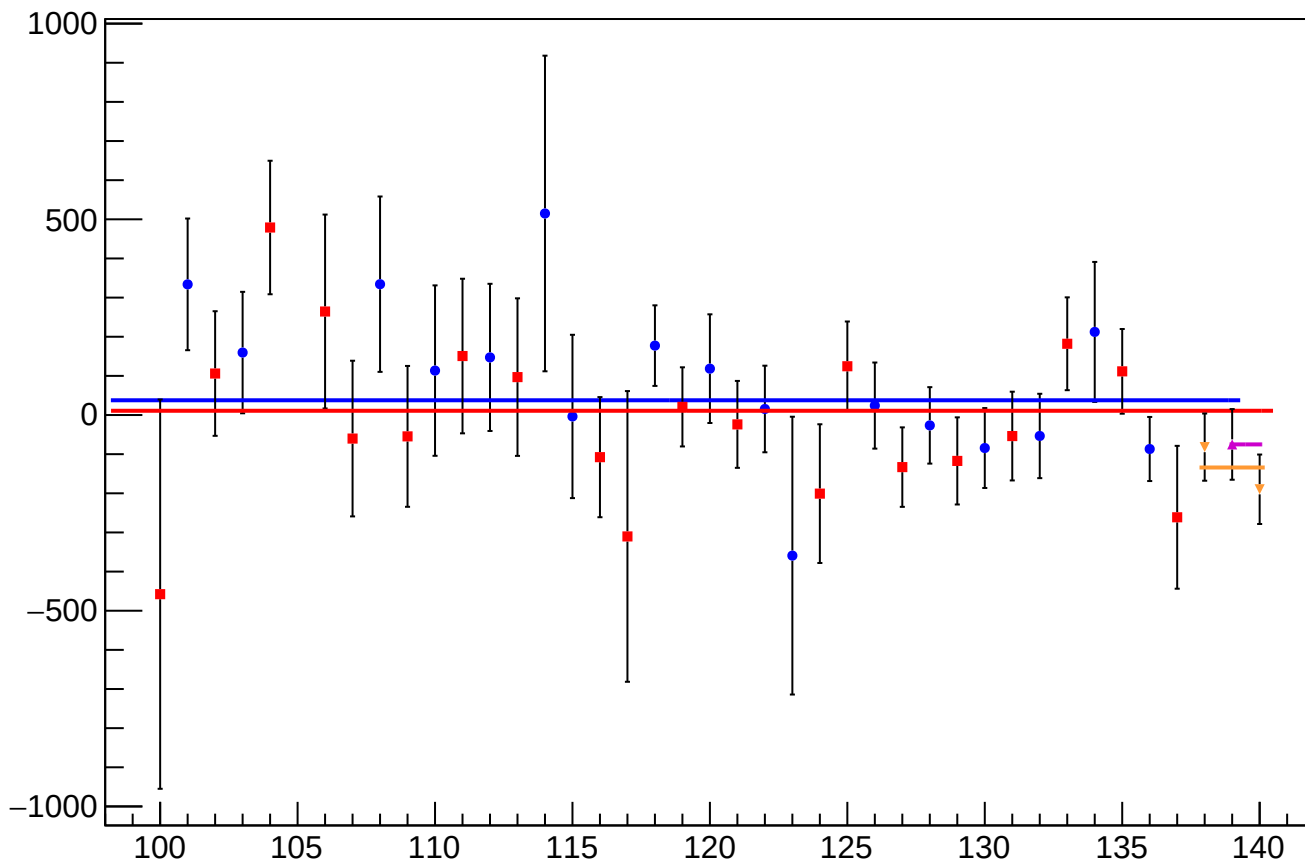
Left In: 0.011+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 1671802.8/18

0.005+/-0.000 χ^2/NDF : 3716858.8/39

0.005+/-0.000 χ^2/NDF : 2040016.7/20

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -134.061 $\pm$ 61.687 χ^2 /NDF: 0.8/1

Right Out: 10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

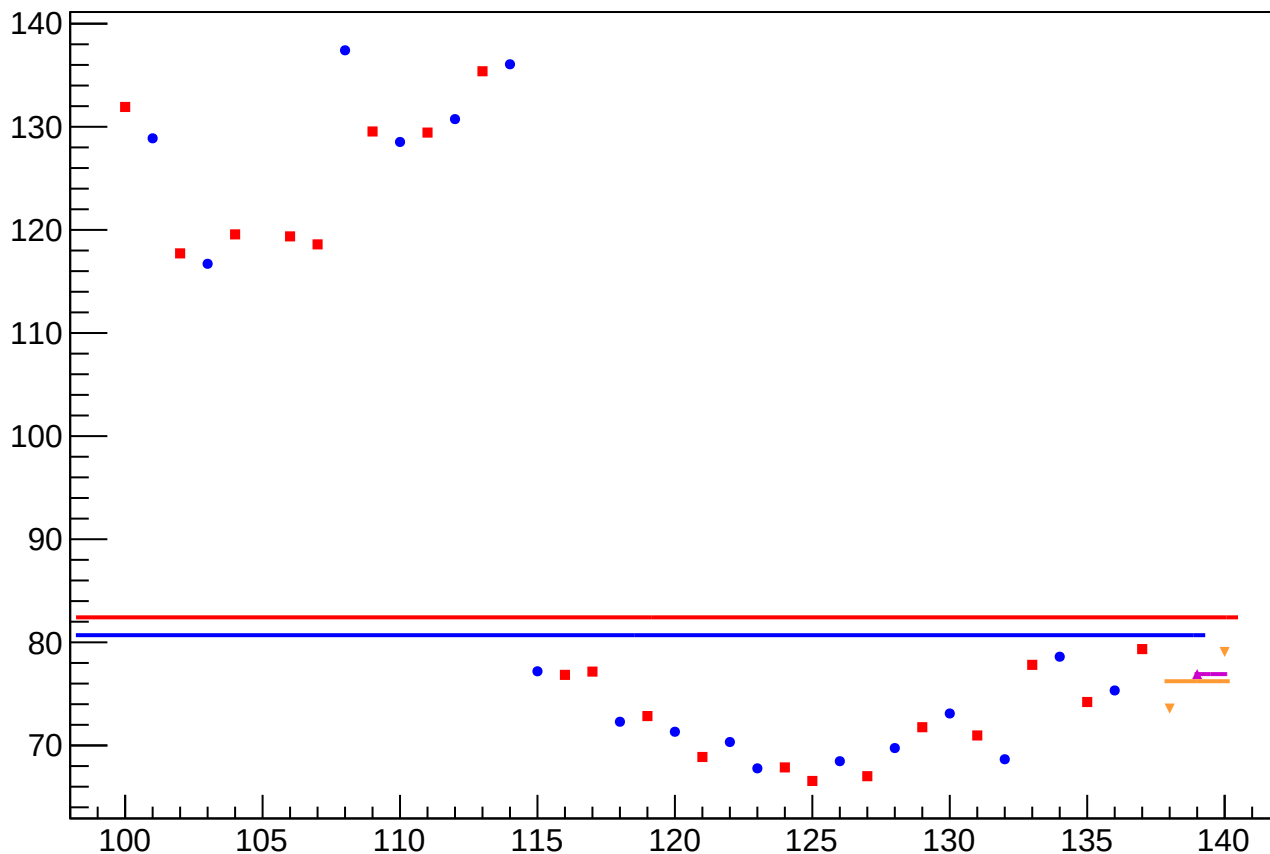
Left In: -75.052 $\pm$ 90.294 χ^2 /NDF: 0.0/0

0.820 $\pm$ 28.582 χ^2 /NDF: 23.5/18

1.059 $\pm$ 20.732 χ^2 /NDF: 47.8/39

1.323 $\pm$ 30.118 χ^2 /NDF: 24.3/20

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 76.229 $\pm$ 0.044 χ^2 /NDF: 3957.8/1

Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

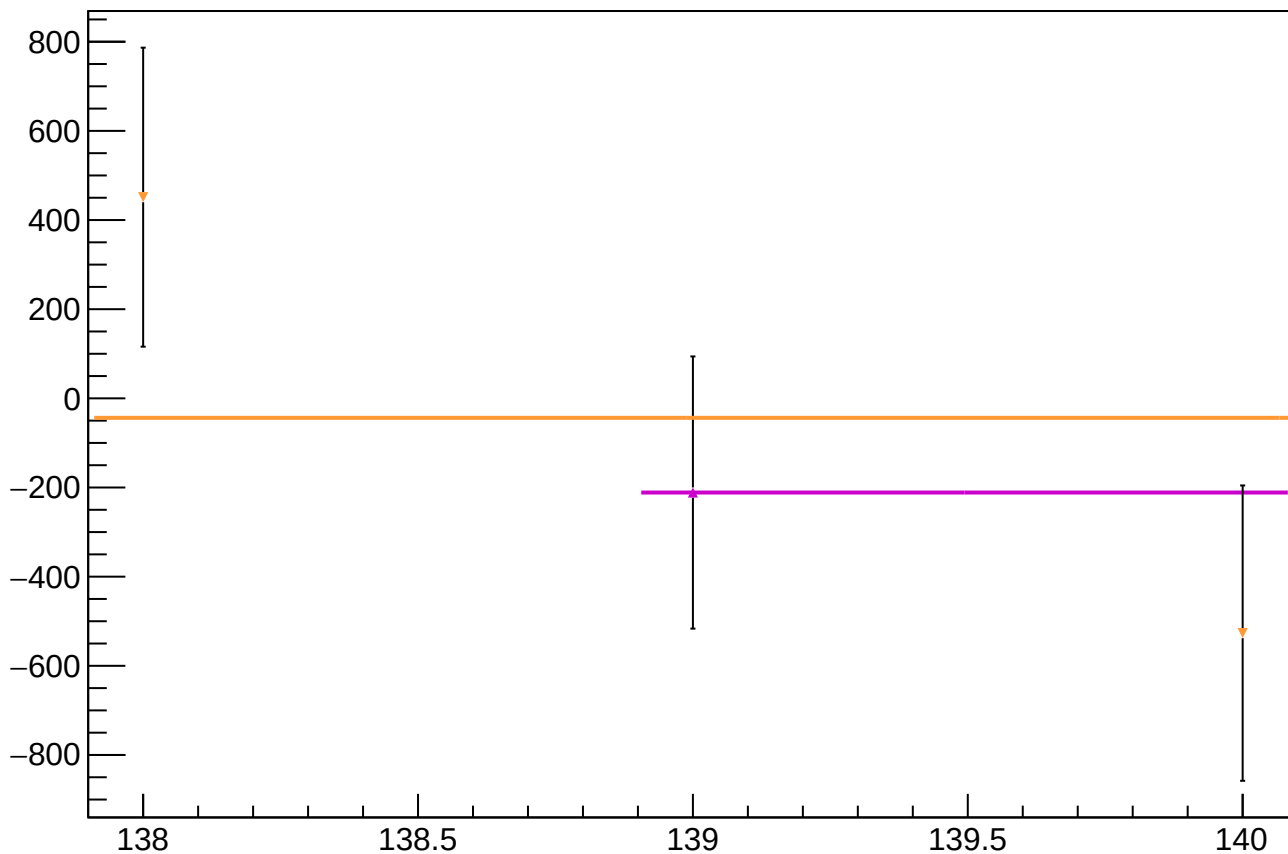
Left In: 76.920 $\pm$ 0.064 χ^2 /NDF: 0.0/0

79.736 $\pm$ 0.020 χ^2 /NDF: 826213.4/18

80.720 $\pm$ 0.015 χ^2 /NDF: 1753103.3/39

81.812 $\pm$ 0.021 χ^2 /NDF: 921888.8/20

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -43.679+/-235.684 χ^2/NDF : 4.3/1

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

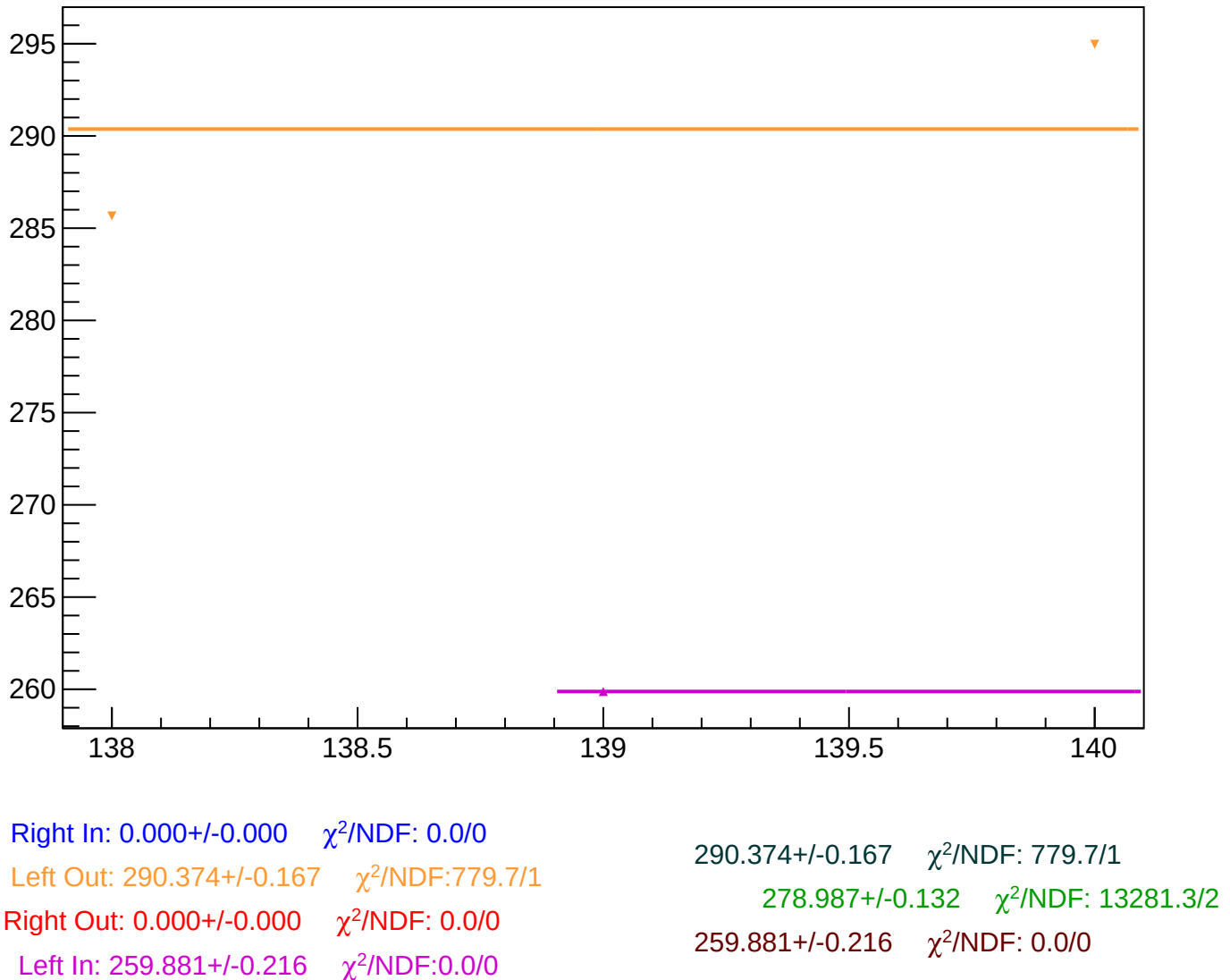
Left In: -211.272+/-305.290 χ^2/NDF : 0.0/0

-43.679+/-235.684 χ^2/NDF : 4.3/1

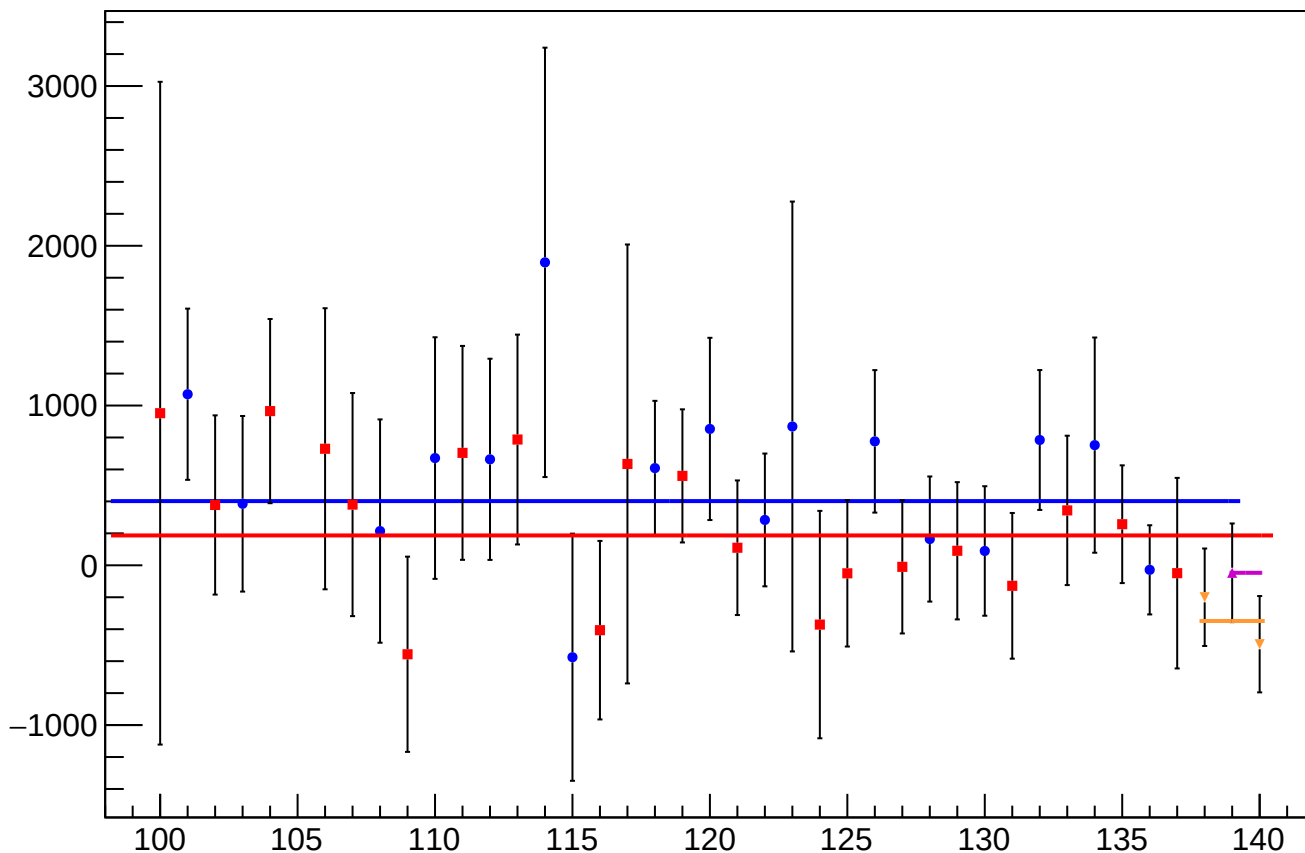
-106.263+/-186.559 χ^2/NDF : 4.5/2

-211.272+/-305.290 χ^2/NDF : 0.0/0

asym_sam1_correction_rms vs Slug, Sign Corrected



reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -348.664+/-214.428 χ^2/NDF : 0.5/1

Right Out: 186.914+/-119.879 χ^2/NDF : 9.4/19

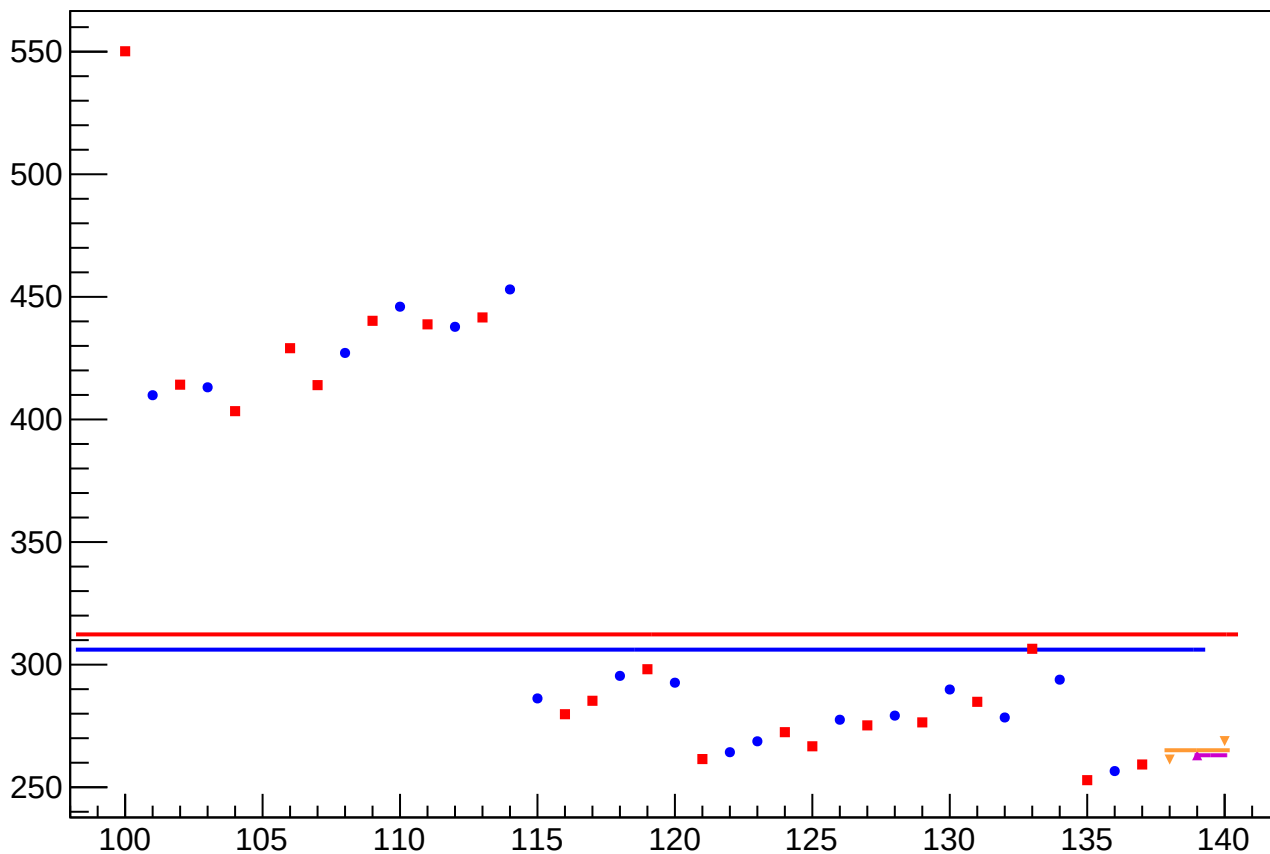
Left In: -46.954+/-308.805 χ^2/NDF : 0.0/0

220.494+/-105.411 χ^2/NDF : 20.7/18

190.263+/-76.681 χ^2/NDF : 30.8/39

156.286+/-111.753 χ^2/NDF : 9.9/20

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 265.092+/-0.152 χ^2/NDF : 615.1/1

Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

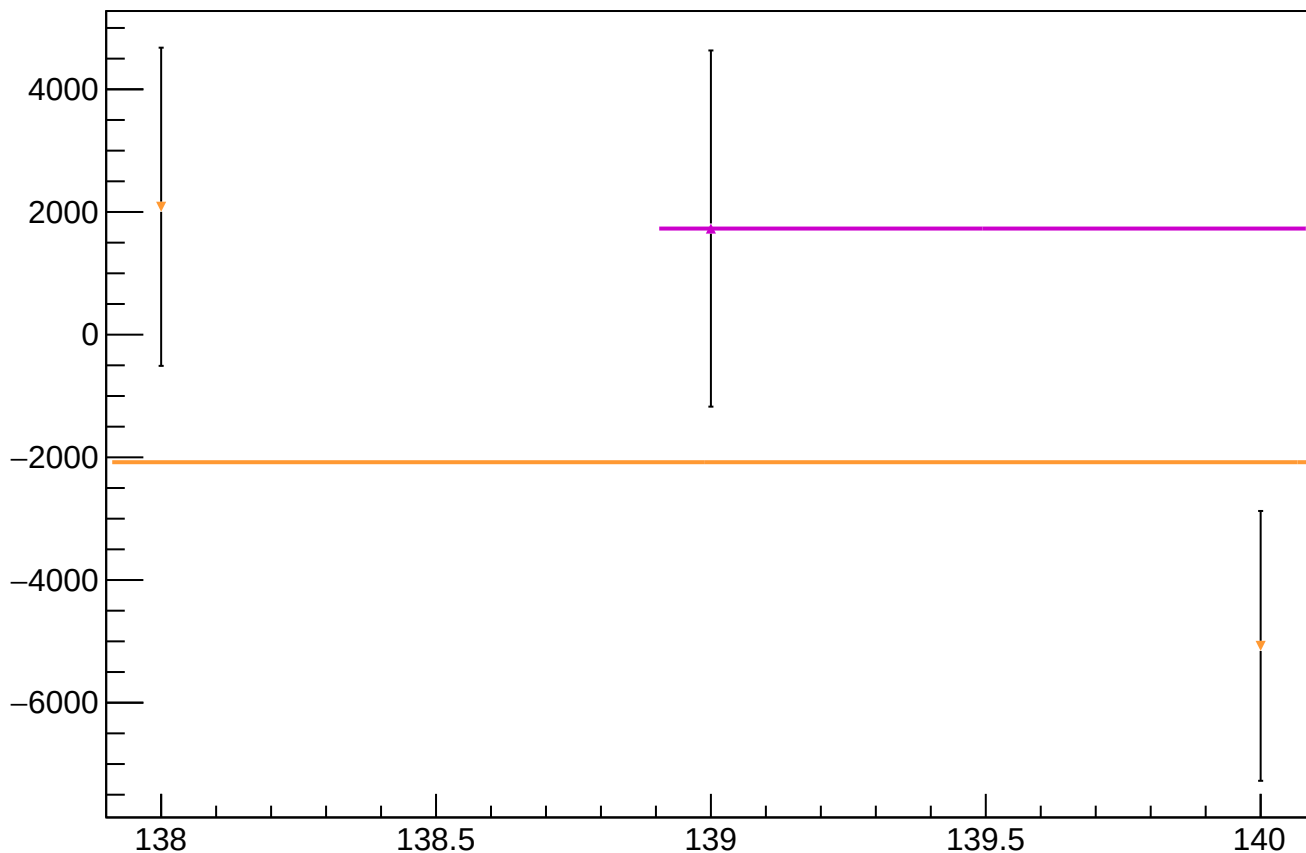
Left In: 263.045+/-0.218 χ^2/NDF : 0.0/0

296.208+/-0.075 χ^2/NDF : 564584.5/18

300.761+/-0.054 χ^2/NDF : 1243344.3/39

305.880+/-0.079 χ^2/NDF : 670832.4/20

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -2079.386+/-1677.525 χ^2/NDF : 4.4/1

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

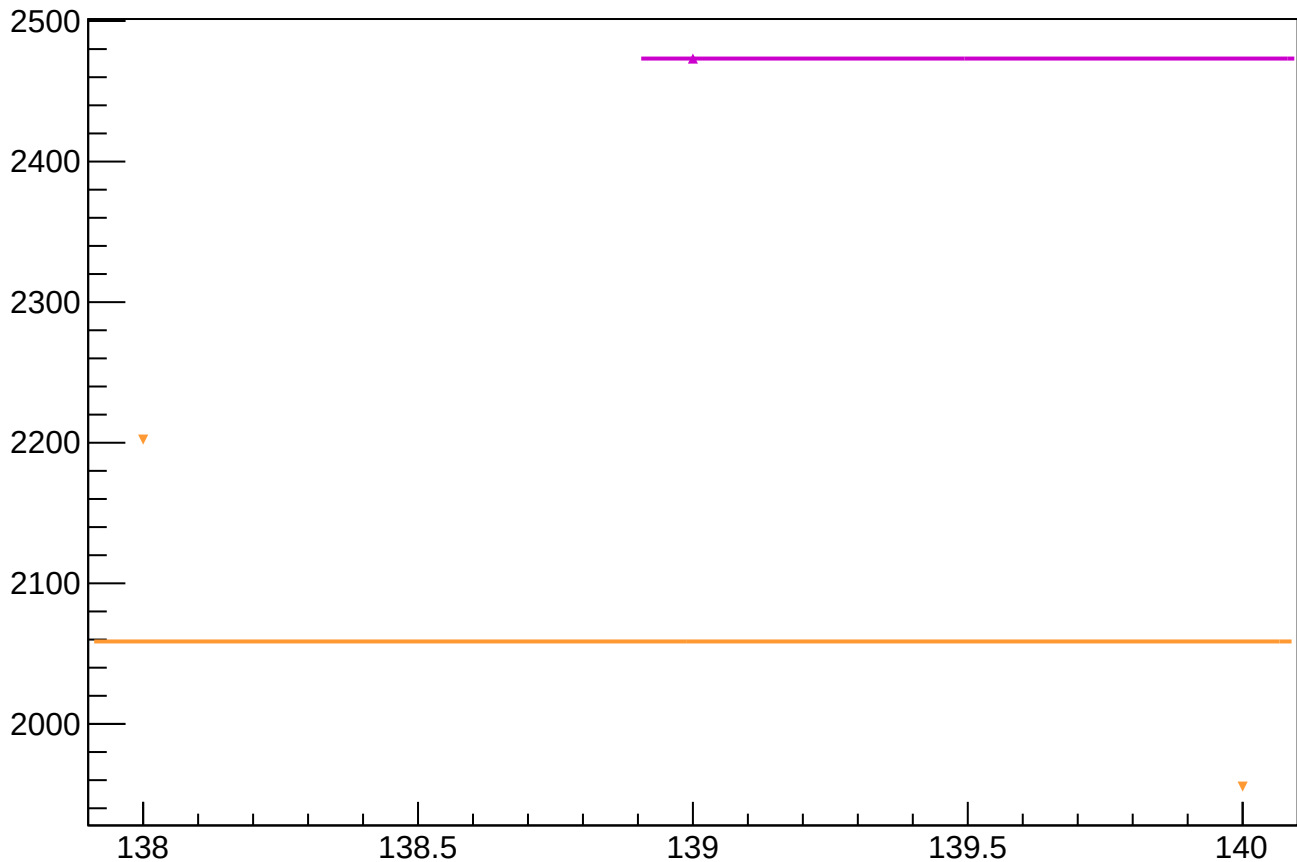
Left In: 1729.751+/-2903.375 χ^2/NDF : 0.0/0

-2079.386+/-1677.525 χ^2/NDF : 4.4/1

-1126.028+/-1452.506 χ^2/NDF : 5.7/2

1729.751+/-2903.375 χ^2/NDF : 0.0/0

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2058.650+/-1.186 χ^2/NDF : 10535.0/1

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

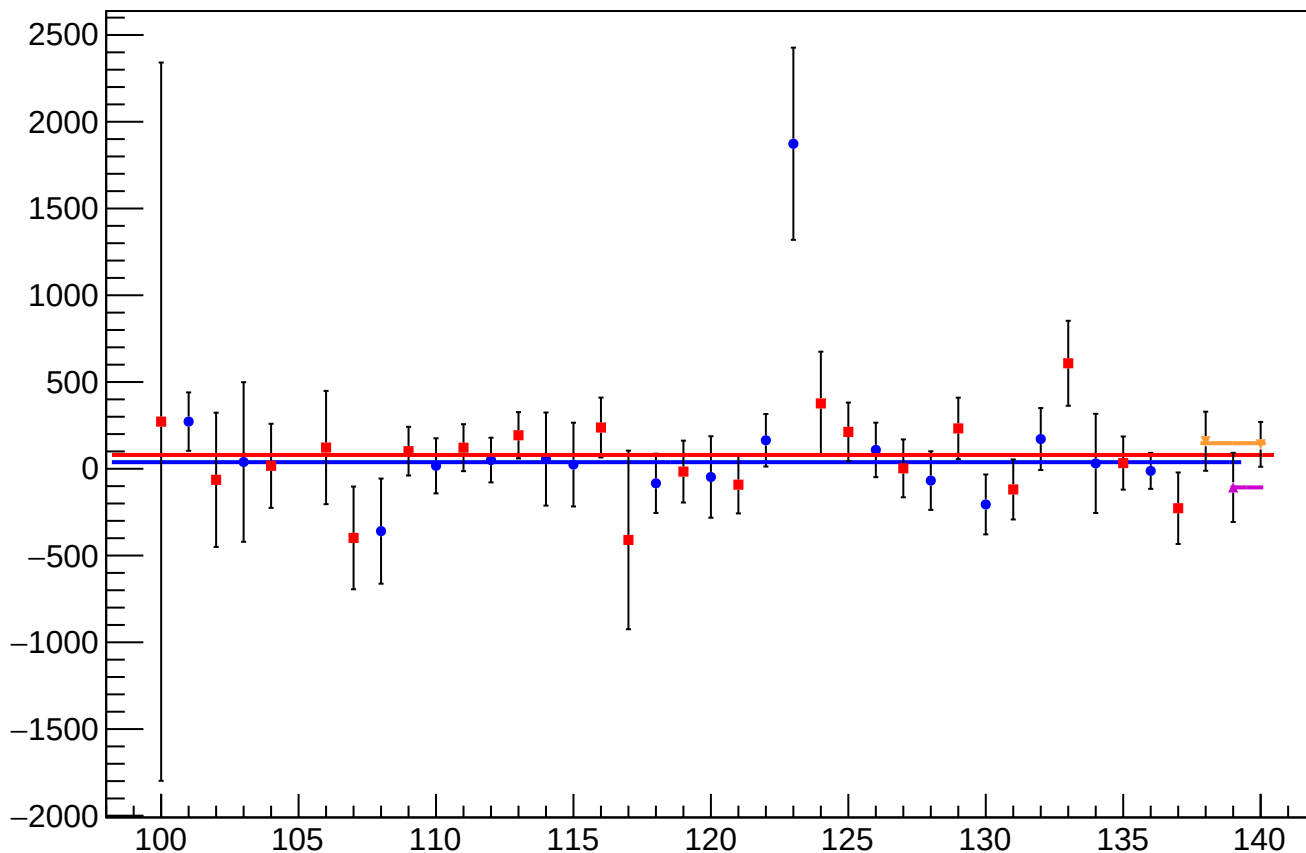
Left In: 2473.267+/-2.053 χ^2/NDF : 0.0/0

2058.650+/-1.186 χ^2/NDF : 10535.0/1

2162.421+/-1.027 χ^2/NDF : 41113.4/2

2473.267+/-2.053 χ^2/NDF : 0.0/0

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 147.413+/-102.947 χ^2/NDF : 0.0/1

Right Out: 79.665+/-42.948 χ^2/NDF : 17.6/19

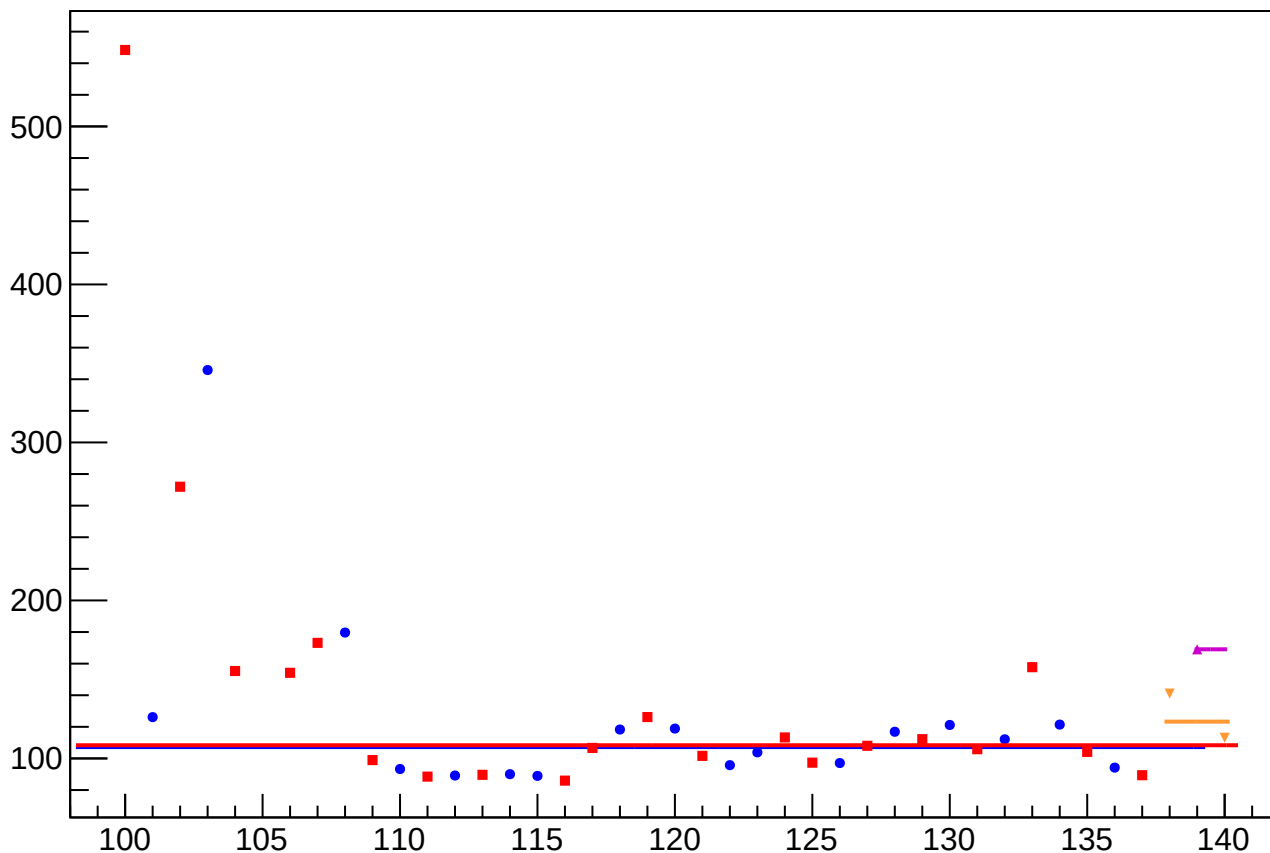
Left In: -107.318+/-199.269 χ^2/NDF : 0.0/0

54.714+/-40.107 χ^2/NDF : 20.3/18

62.659+/-29.001 χ^2/NDF : 38.9/39

71.365+/-41.984 χ^2/NDF : 18.5/20

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 123.293 $\pm$ 0.073 χ^2 /NDF: 34222.0/1

Right Out: 108.347 $\pm$ 0.030 χ^2 /NDF: 917309.2/19

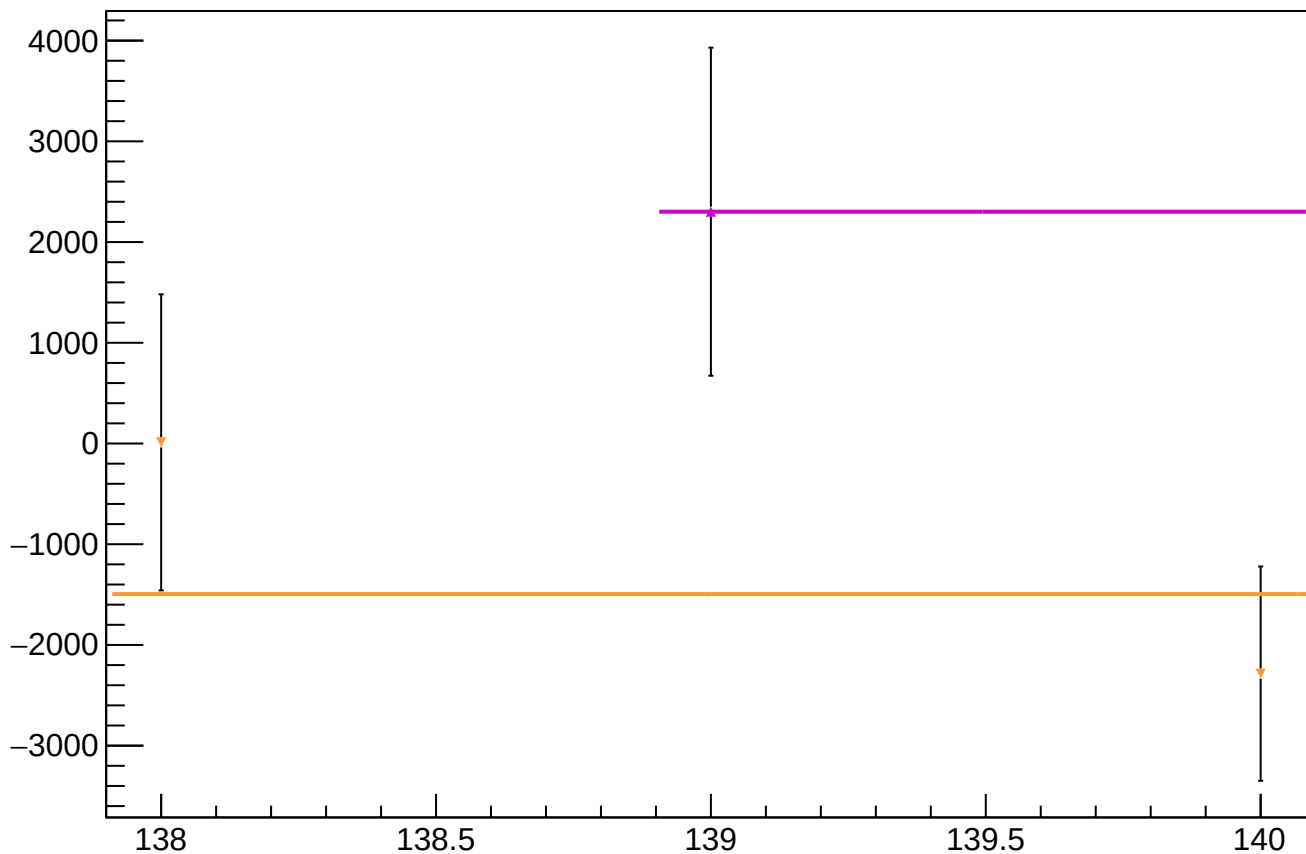
Left In: 169.069 $\pm$ 0.141 χ^2 /NDF: 0.0/0

109.633 $\pm$ 0.028 χ^2 /NDF: 918849.3/18

110.306 $\pm$ 0.021 χ^2 /NDF: 2014804.7/39

111.042 $\pm$ 0.030 χ^2 /NDF: 1094777.2/20

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1495.234+/-861.875 χ^2/NDF : 1.6/1

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

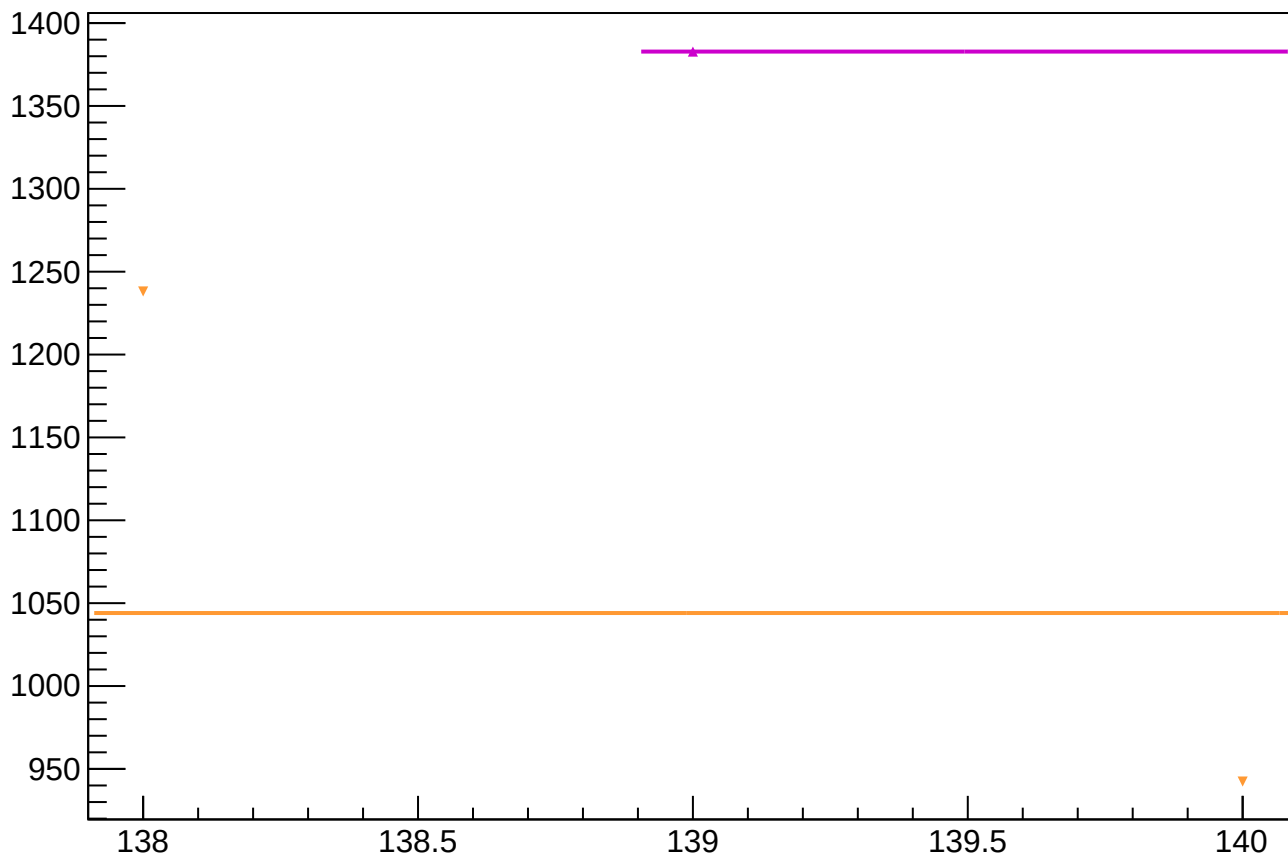
Left In: 2301.403+/-1628.501 χ^2/NDF : 0.0/0

-1495.234+/-861.875 χ^2/NDF : 1.6/1

-664.489+/-761.767 χ^2/NDF : 5.8/2

2301.403+/-1628.501 χ^2/NDF : 0.0/0

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 1044.049+/-0.609 χ^2/NDF : 53115.1/1

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

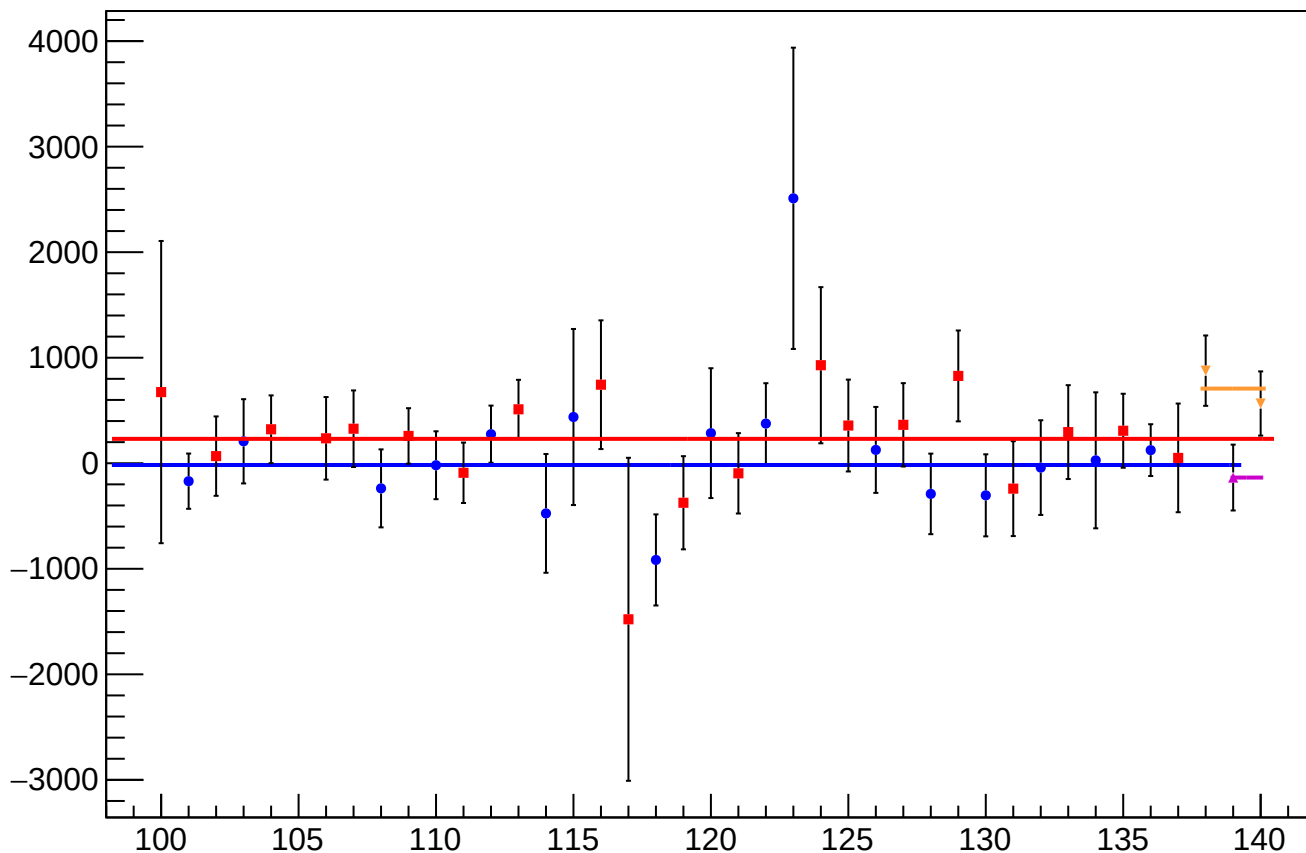
Left In: 1382.803+/-1.152 χ^2/NDF : 0.0/0

1044.049+/-0.609 χ^2/NDF : 53115.1/1

1118.172+/-0.539 χ^2/NDF : 120720.3/2

1382.803+/-1.152 χ^2/NDF : 0.0/0

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 707.578 ± 224.701 $\chi^2/\text{NDF}: 0.5/1$

Right Out: 231.209 ± 88.787 $\chi^2/\text{NDF}: 11.6/19$

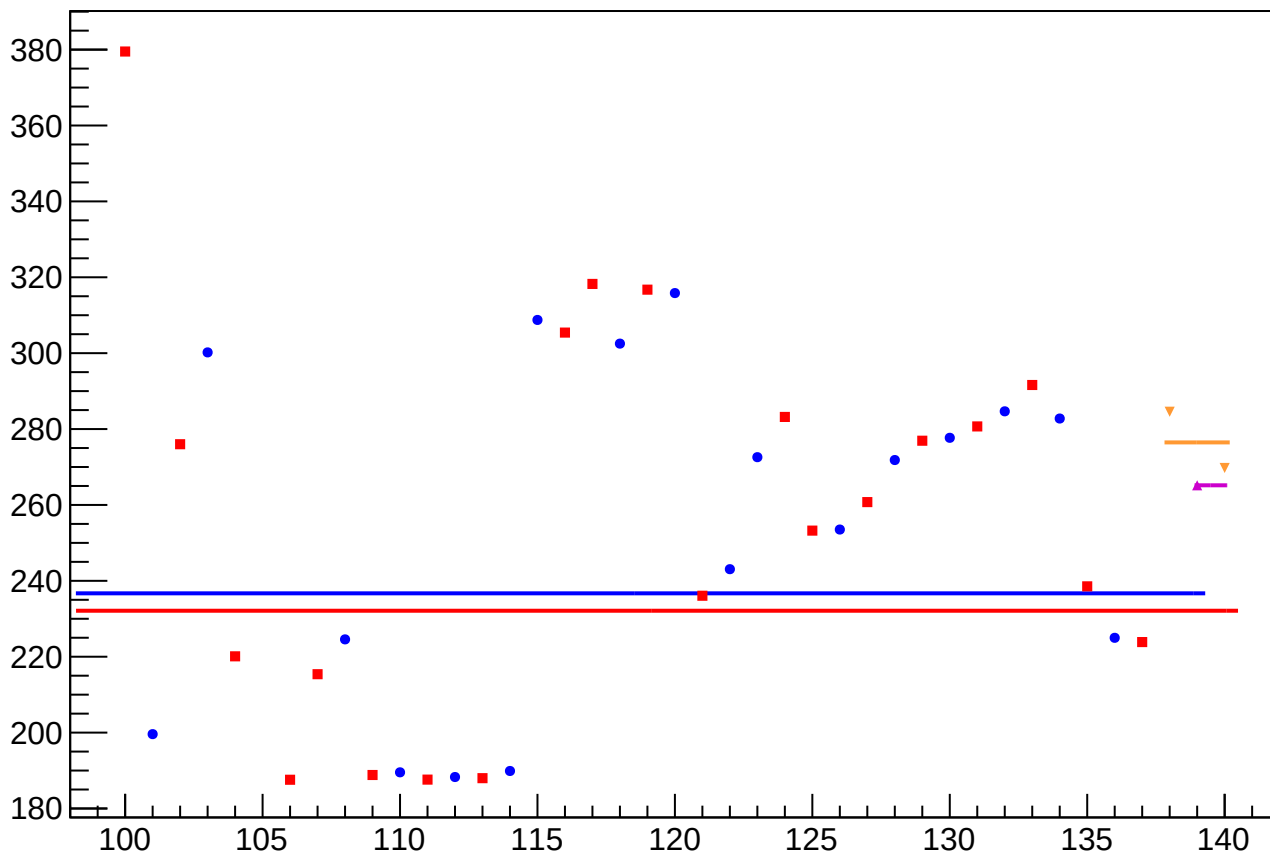
Left In: -135.597 ± 311.998 $\chi^2/\text{NDF}: 0.0/0$

89.983 ± 86.155 $\chi^2/\text{NDF}: 22.8/18$

147.359 ± 60.651 $\chi^2/\text{NDF}: 36.5/39$

203.729 ± 85.397 $\chi^2/\text{NDF}: 12.9/20$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 276.481+/-0.159 χ^2/NDF : 2157.2/1

Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

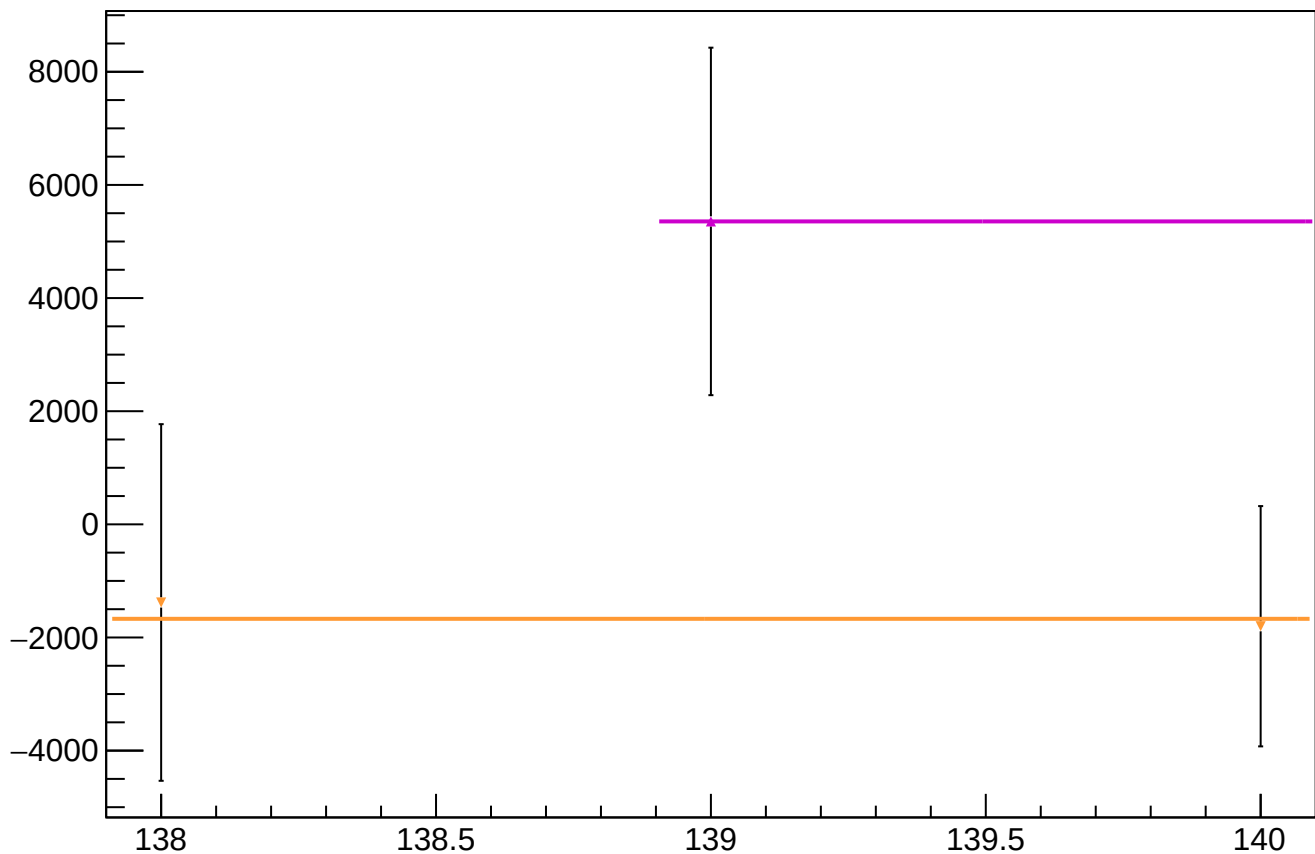
Left In: 265.176+/-0.221 χ^2/NDF : 0.0/0

242.554+/-0.061 χ^2/NDF : 445955.1/18

238.539+/-0.043 χ^2/NDF : 924965.3/39

234.596+/-0.060 χ^2/NDF : 470403.3/20

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -1670.124+/-1761.348 χ^2/NDF : 0.0/1

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

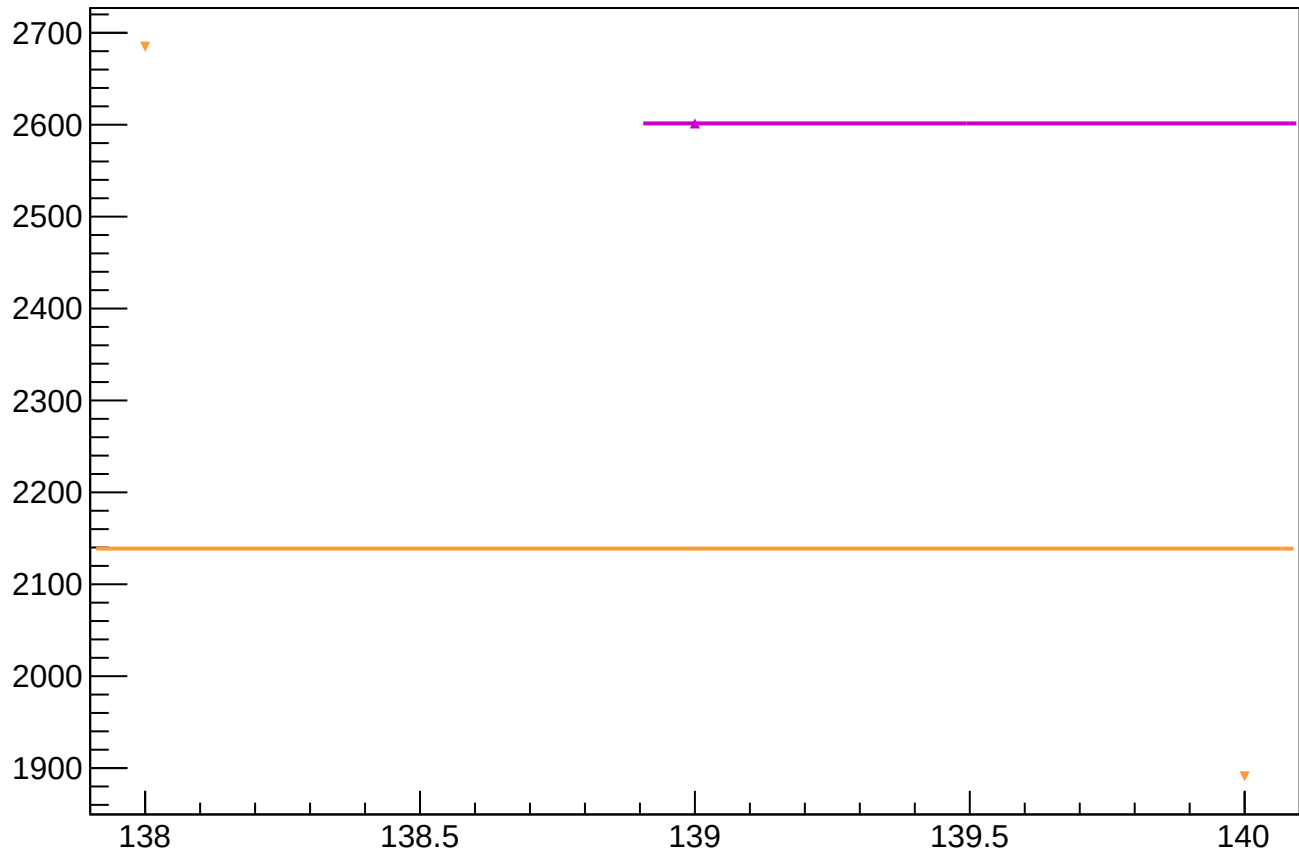
Left In: 5354.962+/-3071.386 χ^2/NDF : 0.0/0

-1670.124+/-1761.348 χ^2/NDF : 0.0/1

68.443+/-1527.933 χ^2/NDF : 3.9/2

5354.962+/-3071.386 χ^2/NDF : 0.0/0

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2138.820+/-1.245 χ^2/NDF : 87257.1/1

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

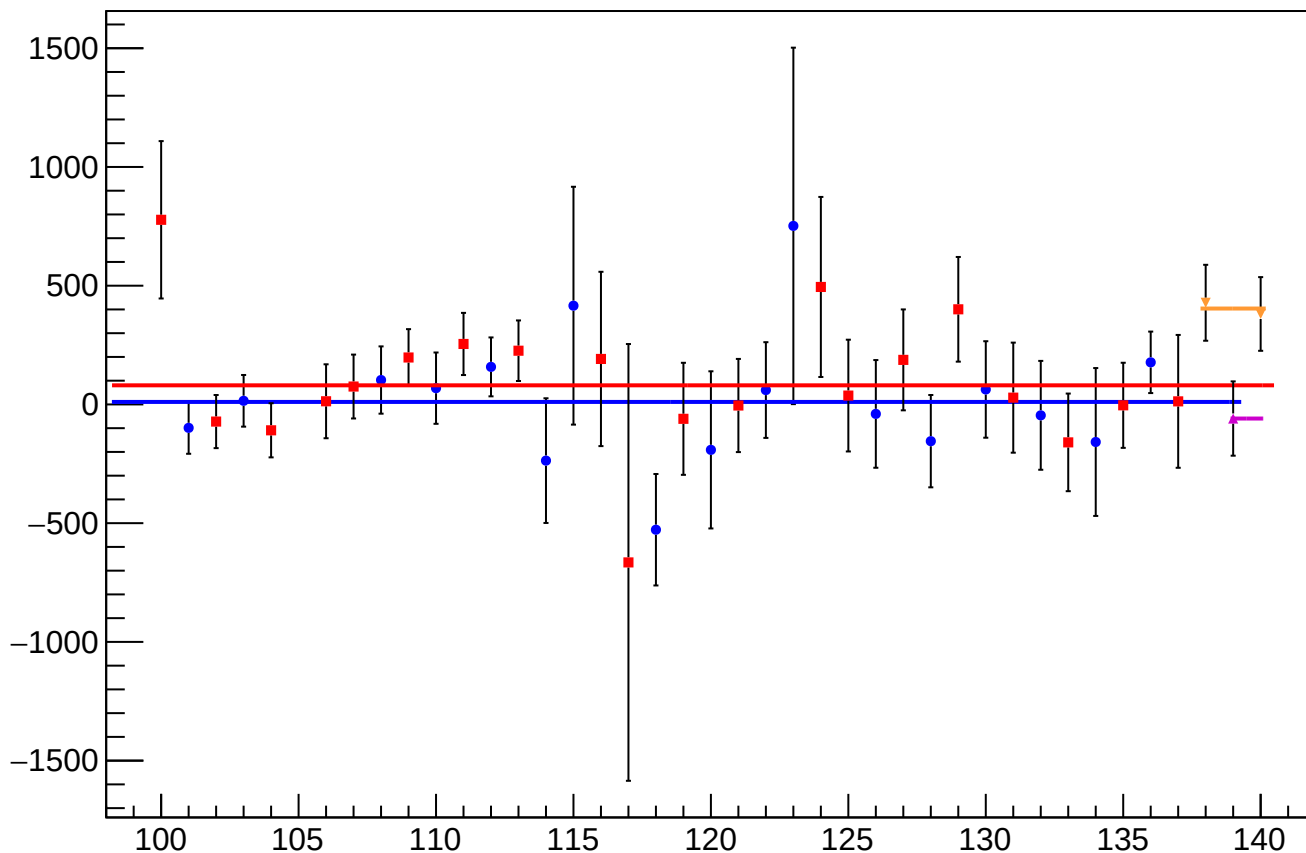
Left In: 2601.439+/-2.172 χ^2/NDF : 0.0/0

2138.820+/-1.245 χ^2/NDF : 87257.1/1

2253.308+/-1.080 χ^2/NDF : 121402.0/2

2601.439+/-2.172 χ^2/NDF : 0.0/0

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 403.827+/-111.336 χ^2/NDF : 0.0/1

Right Out: 80.462+/-38.950 χ^2/NDF : 19.9/19

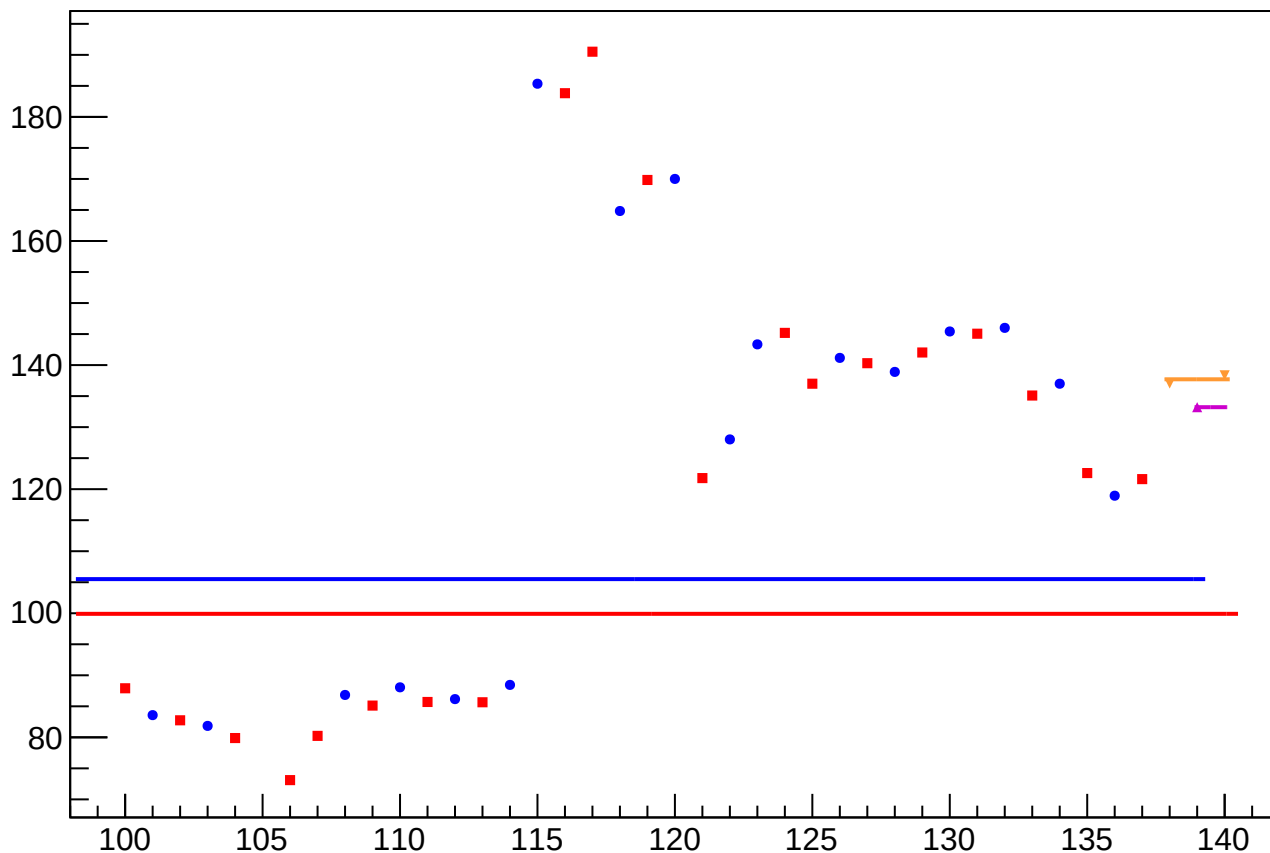
Left In: -59.415+/-156.418 χ^2/NDF : 0.0/0

60.129+/-39.538 χ^2/NDF : 25.0/18

66.486+/-27.321 χ^2/NDF : 45.7/39

72.295+/-37.796 χ^2/NDF : 20.6/20

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 137.709+/-0.079 χ^2/NDF : 70.5/1

Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

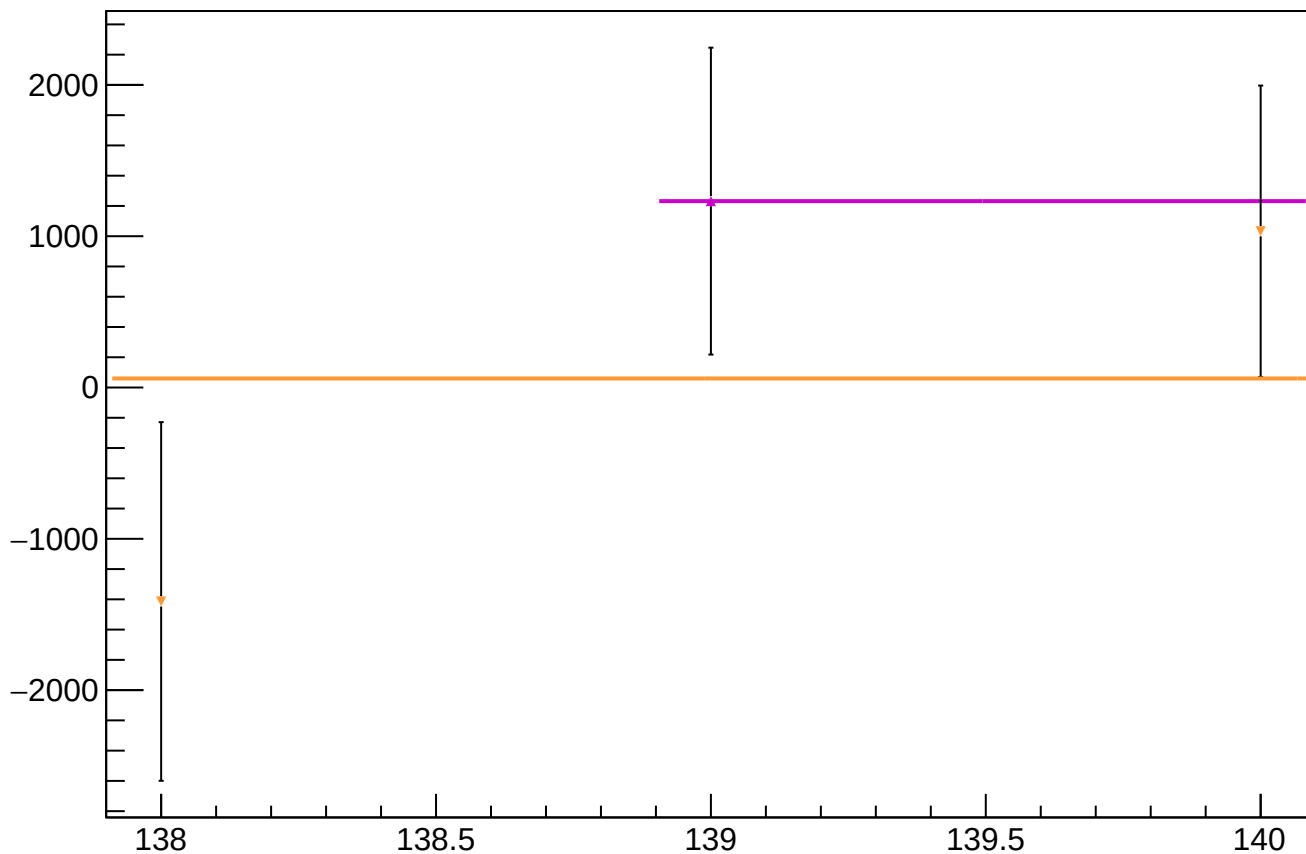
Left In: 133.215+/-0.111 χ^2/NDF : 0.0/0

109.564+/-0.028 χ^2/NDF : 1015344.7/18

105.534+/-0.019 χ^2/NDF : 2160051.4/39

101.852+/-0.027 χ^2/NDF : 1104940.8/20

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: 59.854+/-747.356 χ^2 /NDF: 2.6/1

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

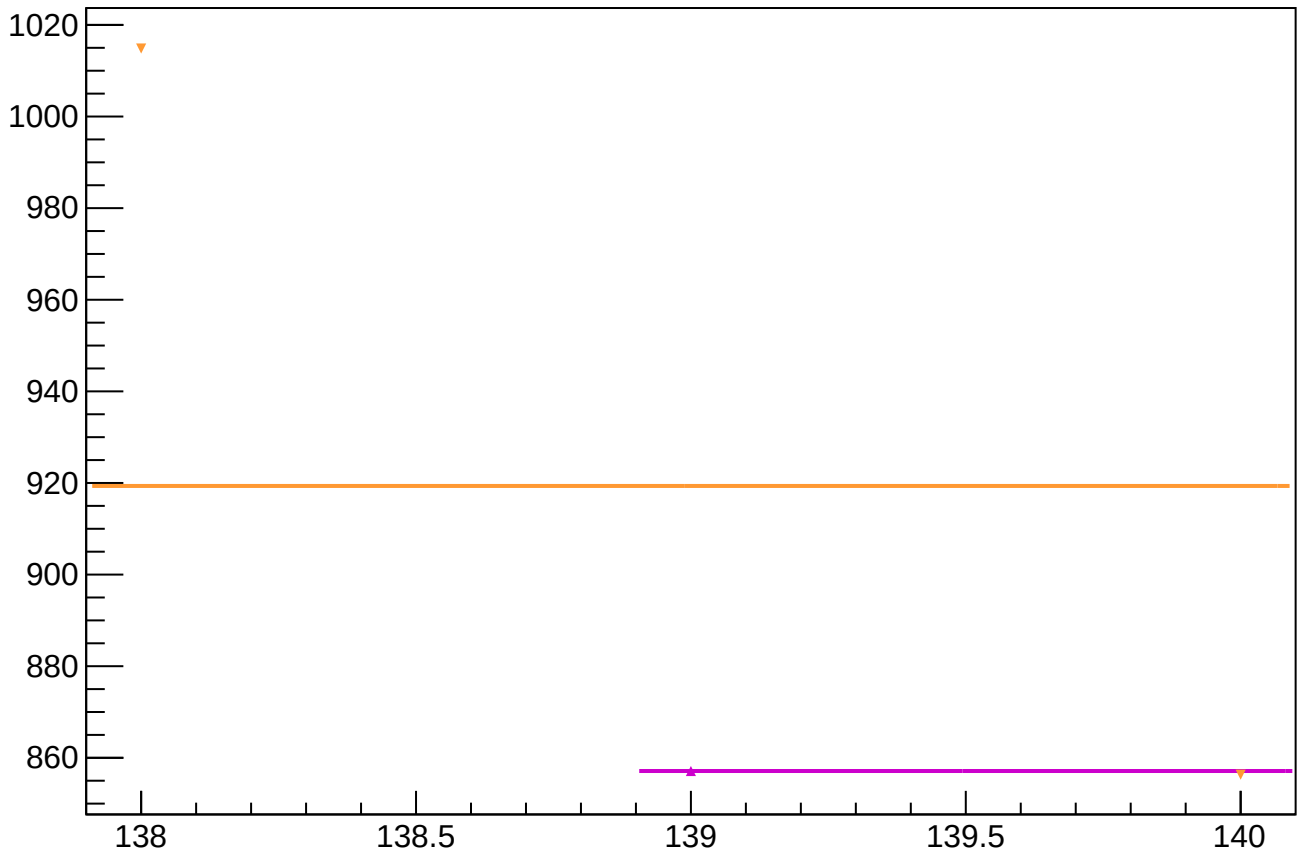
Left In: 1231.908+/-1014.231 χ^2 /NDF: 0.0/0

59.854+/-747.356 χ^2 /NDF: 2.6/1

472.302+/-601.655 χ^2 /NDF: 3.4/2

1231.908+/-1014.231 χ^2 /NDF: 0.0/0

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 919.350 $\pm$ 0.528 χ^2 /NDF:21554.7/1

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

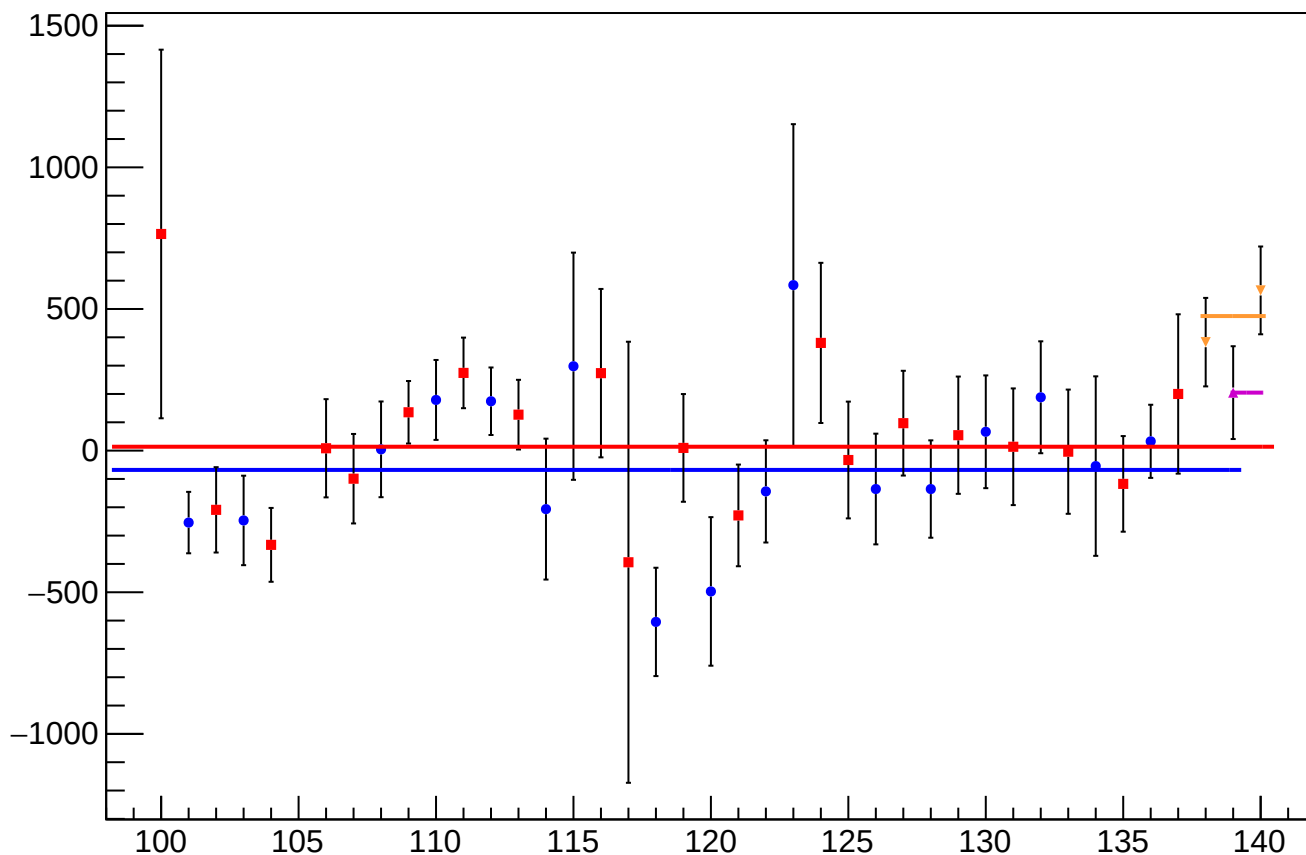
Left In: 857.119 $\pm$ 0.717 χ^2 /NDF:0.0/0

919.350 $\pm$ 0.528 χ^2 /NDF: 21554.7/1

897.451 $\pm$ 0.425 χ^2 /NDF: 26434.6/2

857.119 $\pm$ 0.717 χ^2 /NDF: 0.0/0

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 475.016 ± 110.000 χ^2/NDF : 0.7/1

Right Out: 13.752 ± 39.416 χ^2/NDF : 23.4/19

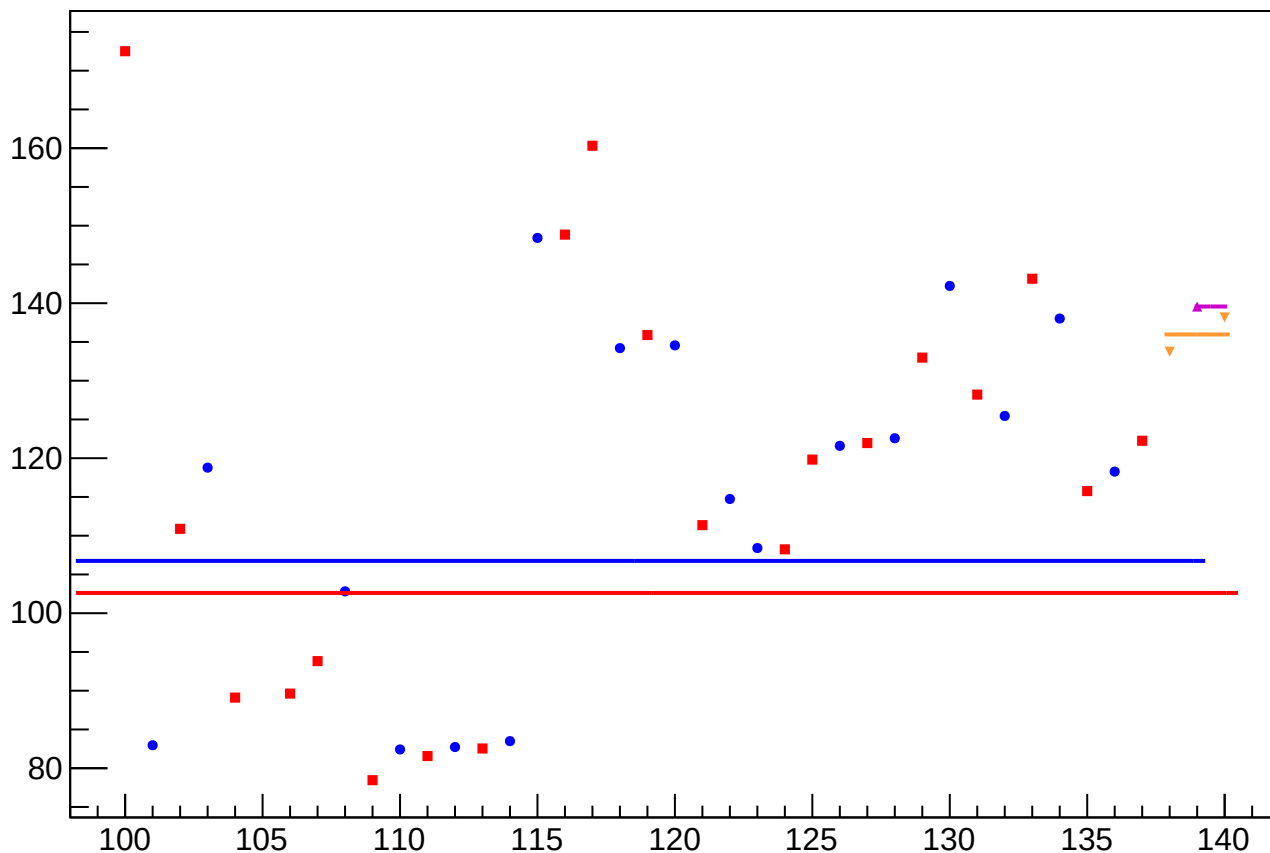
Left In: 204.717 ± 163.817 χ^2/NDF : 0.0/0

1.758 ± 39.453 χ^2/NDF : 49.8/18

13.306 ± 27.489 χ^2/NDF : 74.6/39

24.202 ± 38.322 χ^2/NDF : 24.7/20

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 135.968 $\pm$ 0.078 χ^2 /NDF: 809.2/1

Right Out: 102.615 $\pm$ 0.028 χ^2 /NDF: 600357.6/19

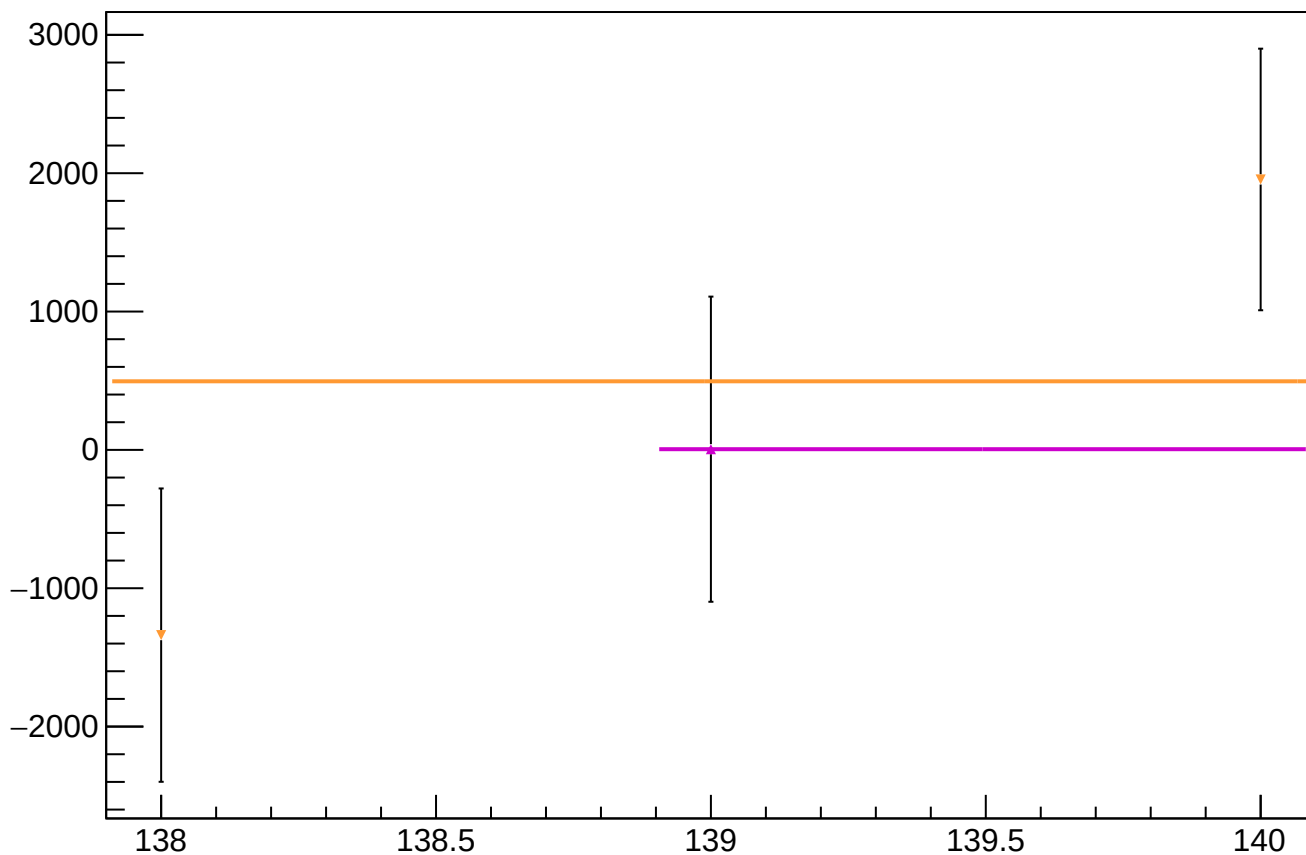
Left In: 139.571 $\pm$ 0.116 χ^2 /NDF: 0.0/0

110.508 $\pm$ 0.028 χ^2 /NDF: 625514.4/18

107.488 $\pm$ 0.019 χ^2 /NDF: 1344870.1/39

104.638 $\pm$ 0.027 χ^2 /NDF: 696571.5/20

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 495.805 ± 705.629 $\chi^2/\text{NDF}: 5.4/1$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

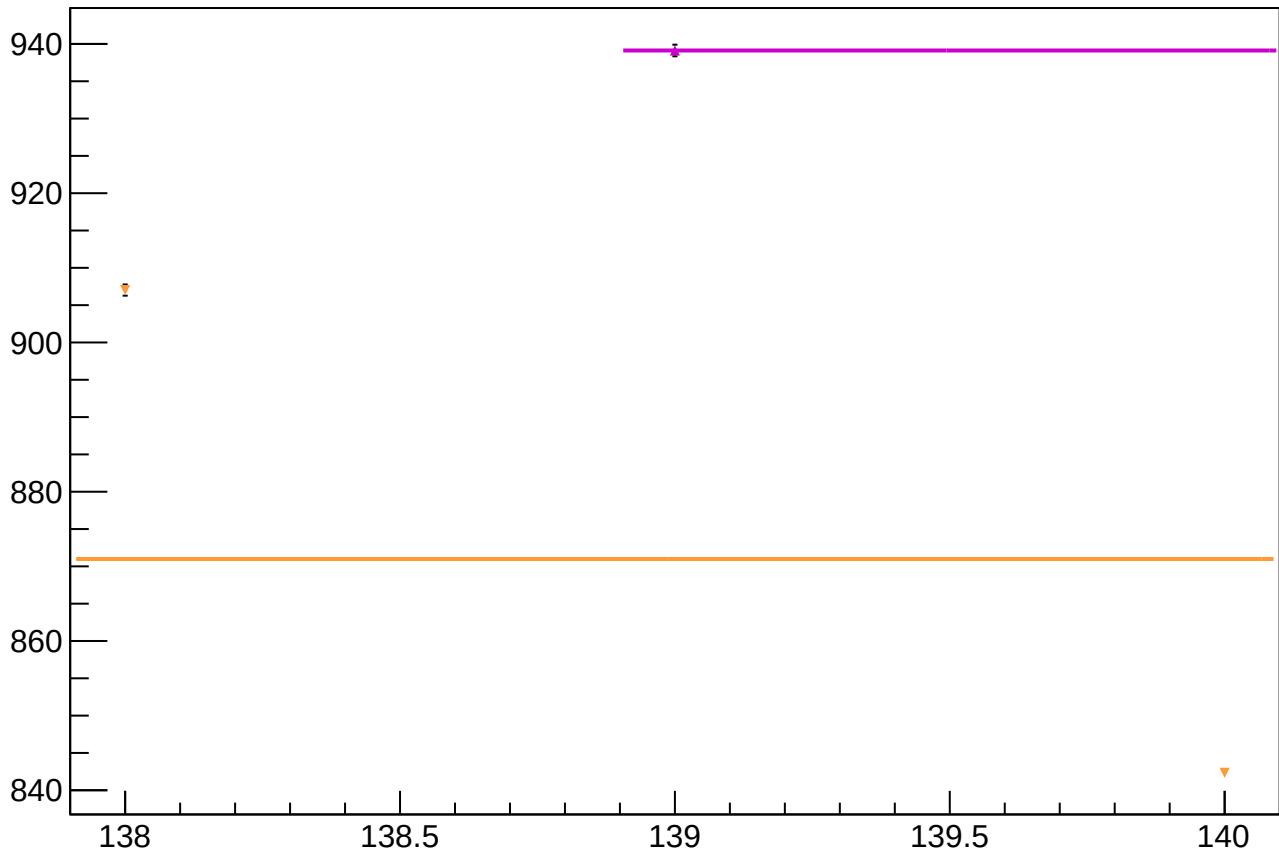
Left In: 5.058 ± 1102.884 $\chi^2/\text{NDF}: 0.0/0$

495.805 ± 705.629 $\chi^2/\text{NDF}: 5.4/1$

353.267 ± 594.384 $\chi^2/\text{NDF}: 5.5/2$

5.058 ± 1102.884 $\chi^2/\text{NDF}: 0.0/0$

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 870.989+/-0.499 χ^2/NDF : 4146.9/1

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

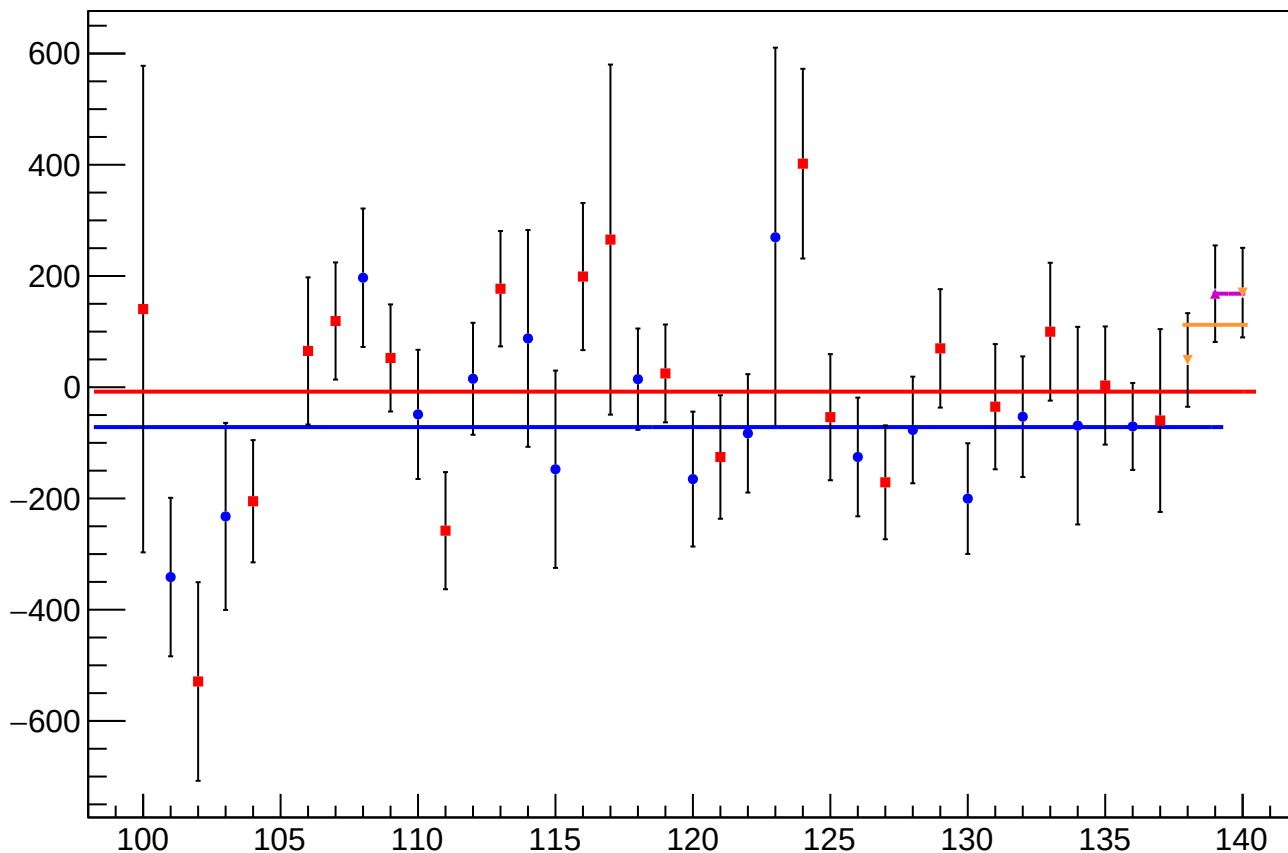
Left In: 939.123+/-0.780 χ^2/NDF : 0.0/0

870.989+/-0.499 χ^2/NDF : 4146.9/1

890.778+/-0.420 χ^2/NDF : 9562.9/2

939.123+/-0.780 χ^2/NDF : 0.0/0

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 112.249 ± 58.187 $\chi^2/\text{NDF}: 1.1/1$

Right Out: -7.933 ± 26.719 $\chi^2/\text{NDF}: 37.2/19$

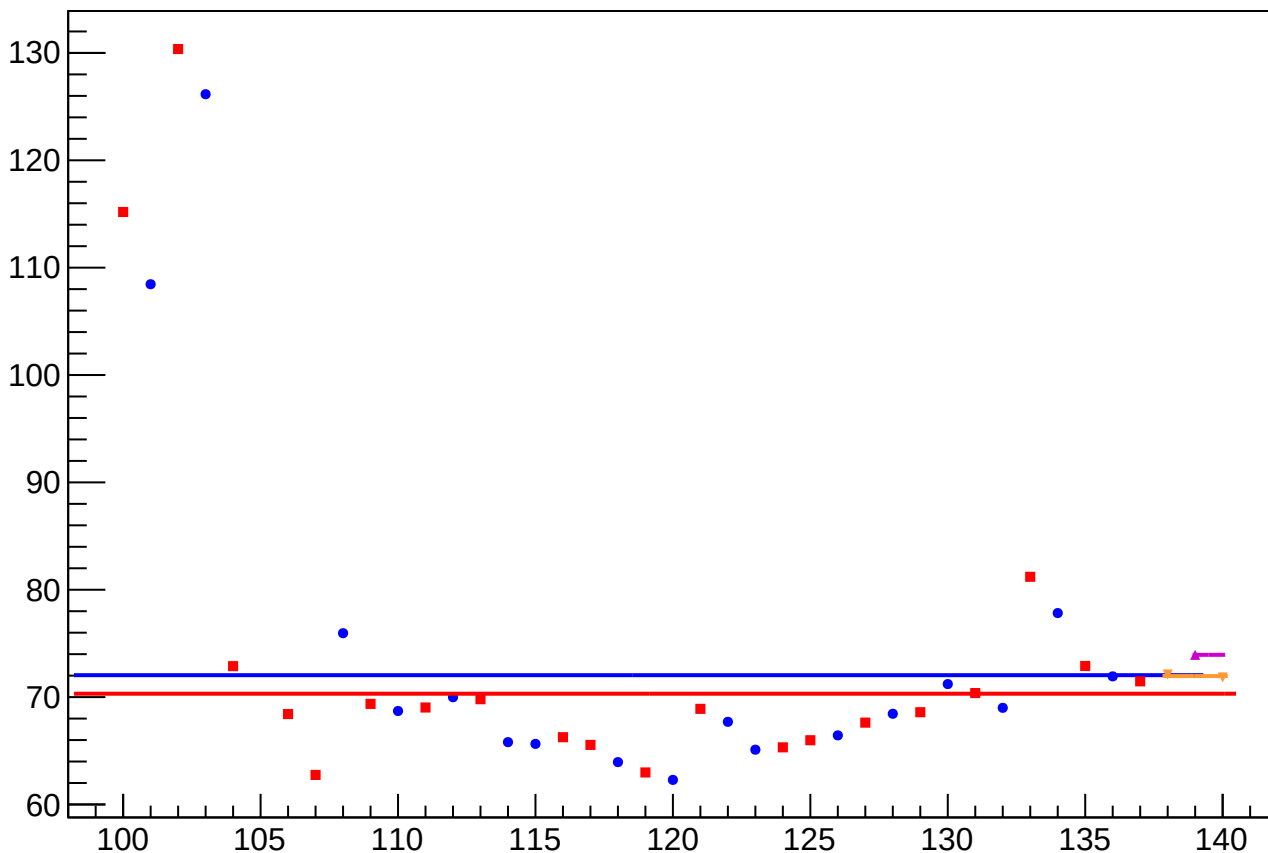
Left In: 168.215 ± 86.782 $\chi^2/\text{NDF}: 0.0/0$

-36.369 ± 25.492 $\chi^2/\text{NDF}: 24.4/18$

-14.563 ± 18.041 $\chi^2/\text{NDF}: 66.8/39$

7.320 ± 25.536 $\chi^2/\text{NDF}: 41.0/20$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 71.960 $\pm$ 0.041 χ^2 /NDF: 11.4/1

Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

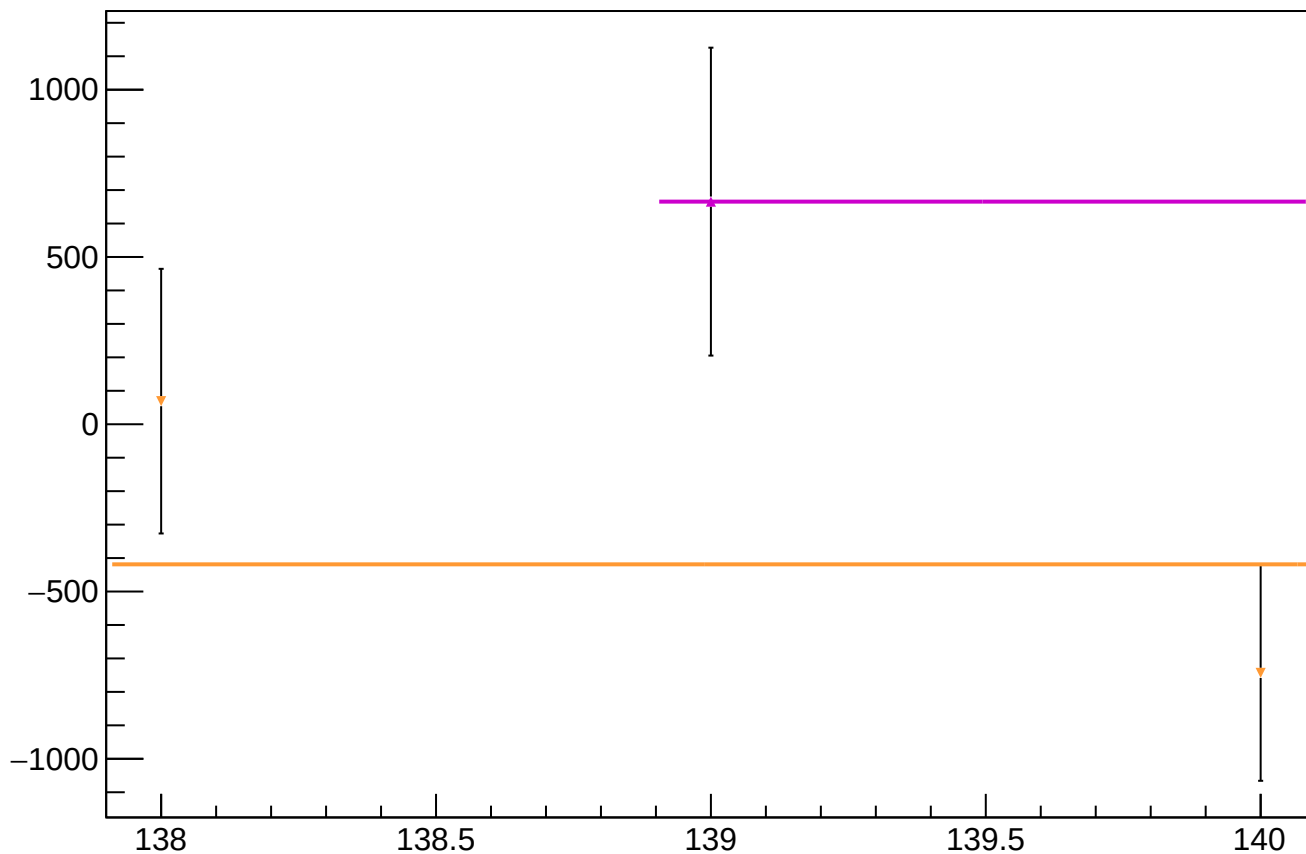
Left In: 73.938 $\pm$ 0.061 χ^2 /NDF: 0.0/0

72.027 $\pm$ 0.018 χ^2 /NDF: 391986.4/18

71.329 $\pm$ 0.013 χ^2 /NDF: 697632.5/39

70.630 $\pm$ 0.018 χ^2 /NDF: 302649.7/20

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -418.732 ± 249.975 $\chi^2/\text{NDF}: 2.5/1$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

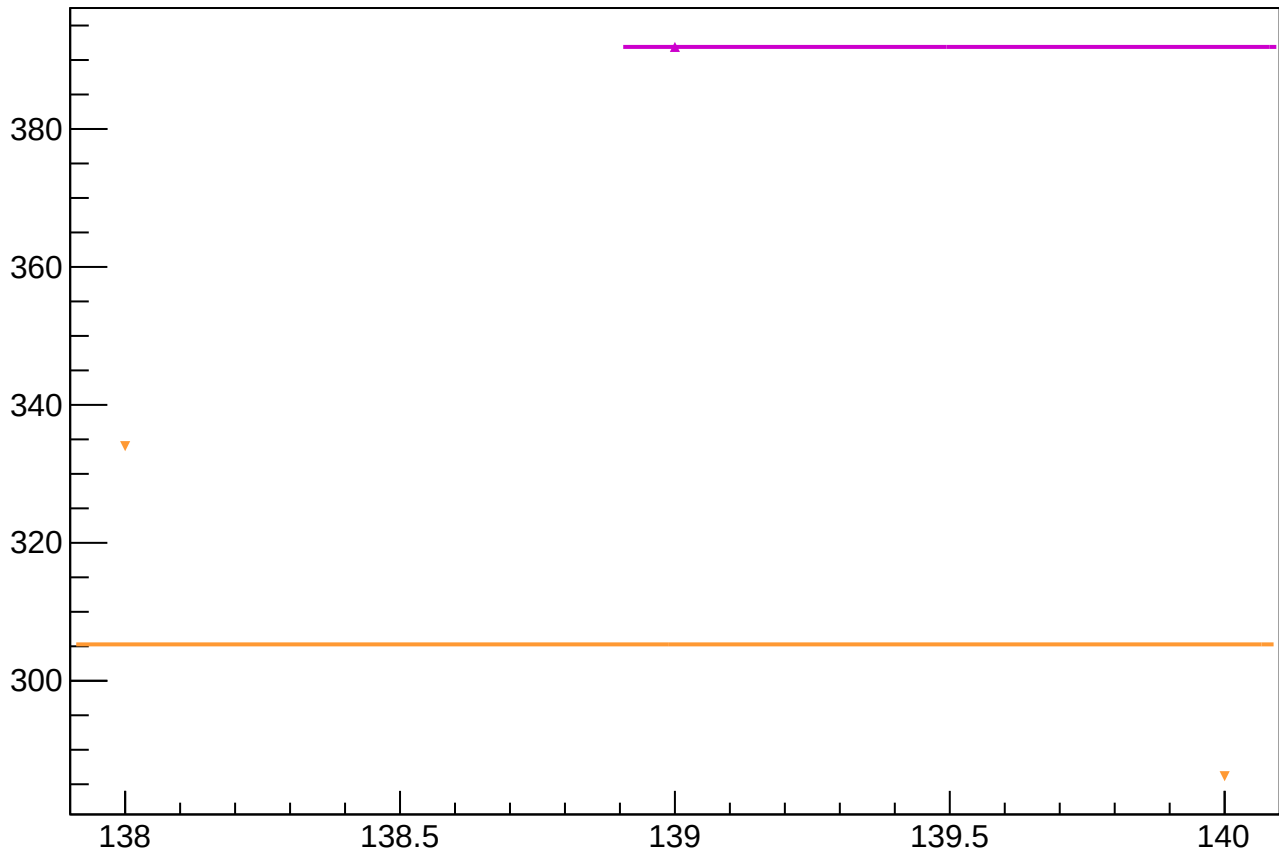
Left In: 665.471 ± 460.192 $\chi^2/\text{NDF}: 0.0/0$

-418.732 ± 249.975 $\chi^2/\text{NDF}: 2.5/1$

-171.711 ± 219.660 $\chi^2/\text{NDF}: 6.8/2$

665.471 ± 460.192 $\chi^2/\text{NDF}: 0.0/0$

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 305.279+/-0.177 χ^2/NDF : 17580.9/1

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

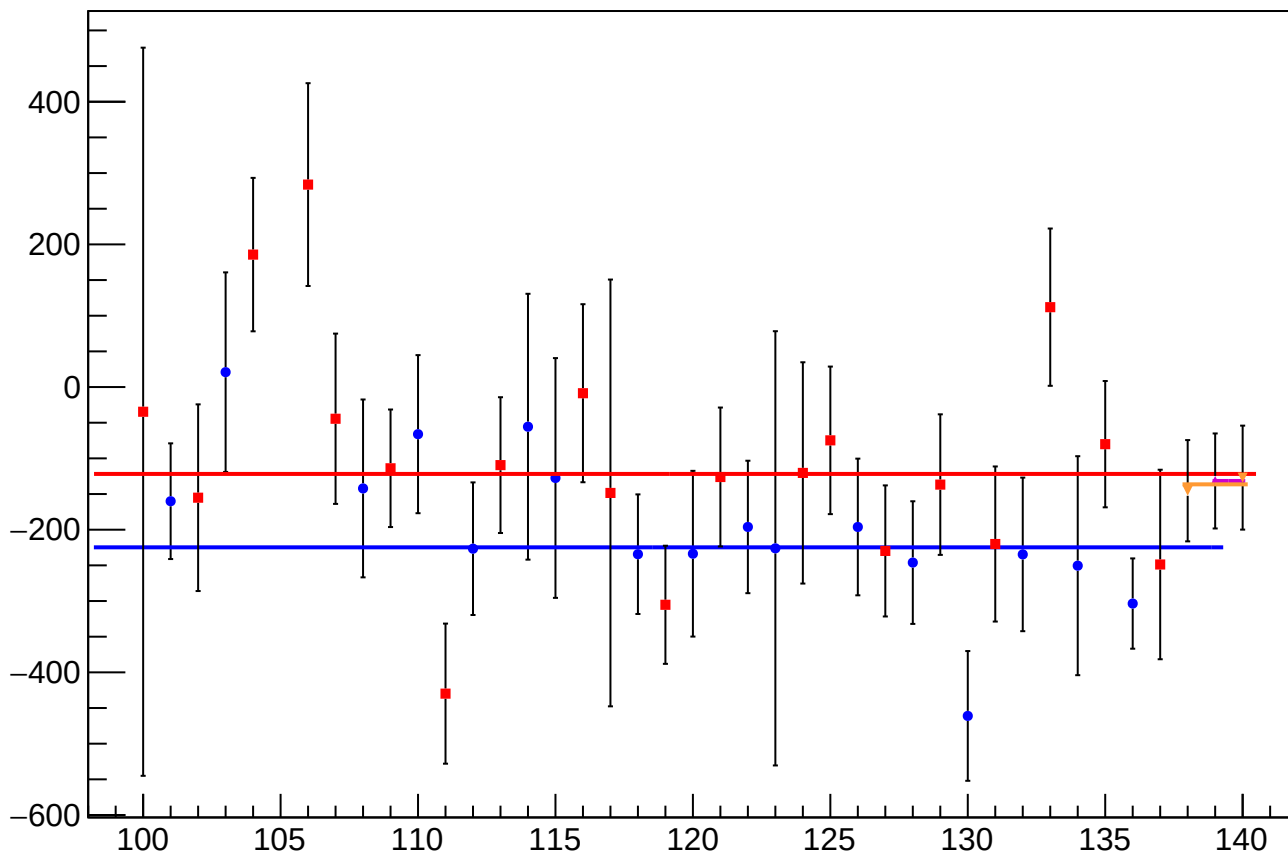
Left In: 391.899+/-0.325 χ^2/NDF : 0.0/0

305.279+/-0.177 χ^2/NDF : 17580.9/1

325.014+/-0.155 χ^2/NDF : 72294.5/2

391.899+/-0.325 χ^2/NDF : 0.0/0

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 $\pm$ 24.880 χ^2 /NDF: 16.0/16

Left Out: -136.412 $\pm$ 50.857 χ^2 /NDF: 0.0/1

Right Out: -121.814 $\pm$ 24.516 χ^2 /NDF: 40.5/19

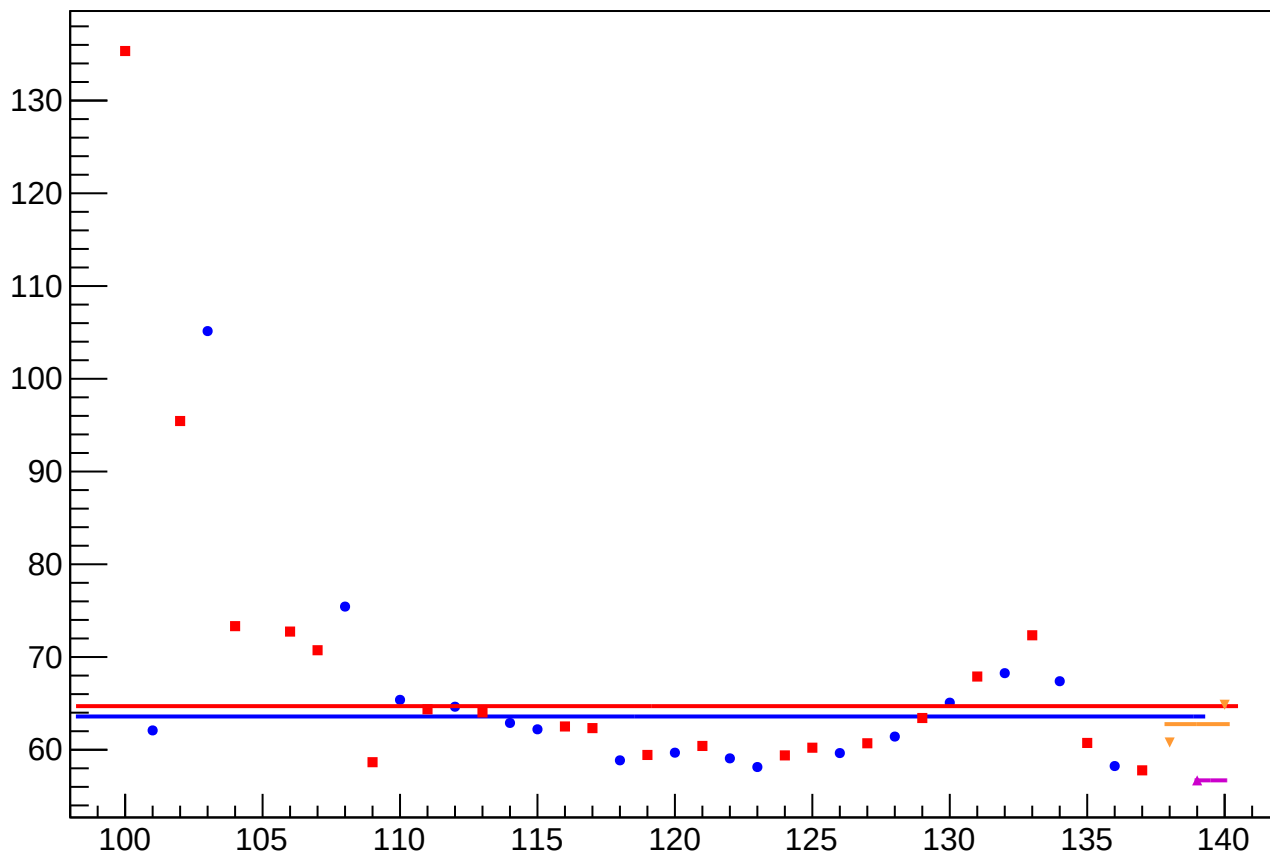
Left In: -131.674 $\pm$ 66.612 χ^2 /NDF: 0.0/0

-207.672 $\pm$ 22.349 χ^2 /NDF: 18.4/18

-166.560 $\pm$ 16.031 χ^2 /NDF: 65.9/39

-122.990 $\pm$ 23.008 χ^2 /NDF: 40.5/20

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 +/- 0.018 χ^2/NDF : 234601.0/16

Left Out: 62.766 +/- 0.036 χ^2/NDF : 3199.6/1

Right Out: 64.704 +/- 0.017 χ^2/NDF : 227632.6/19

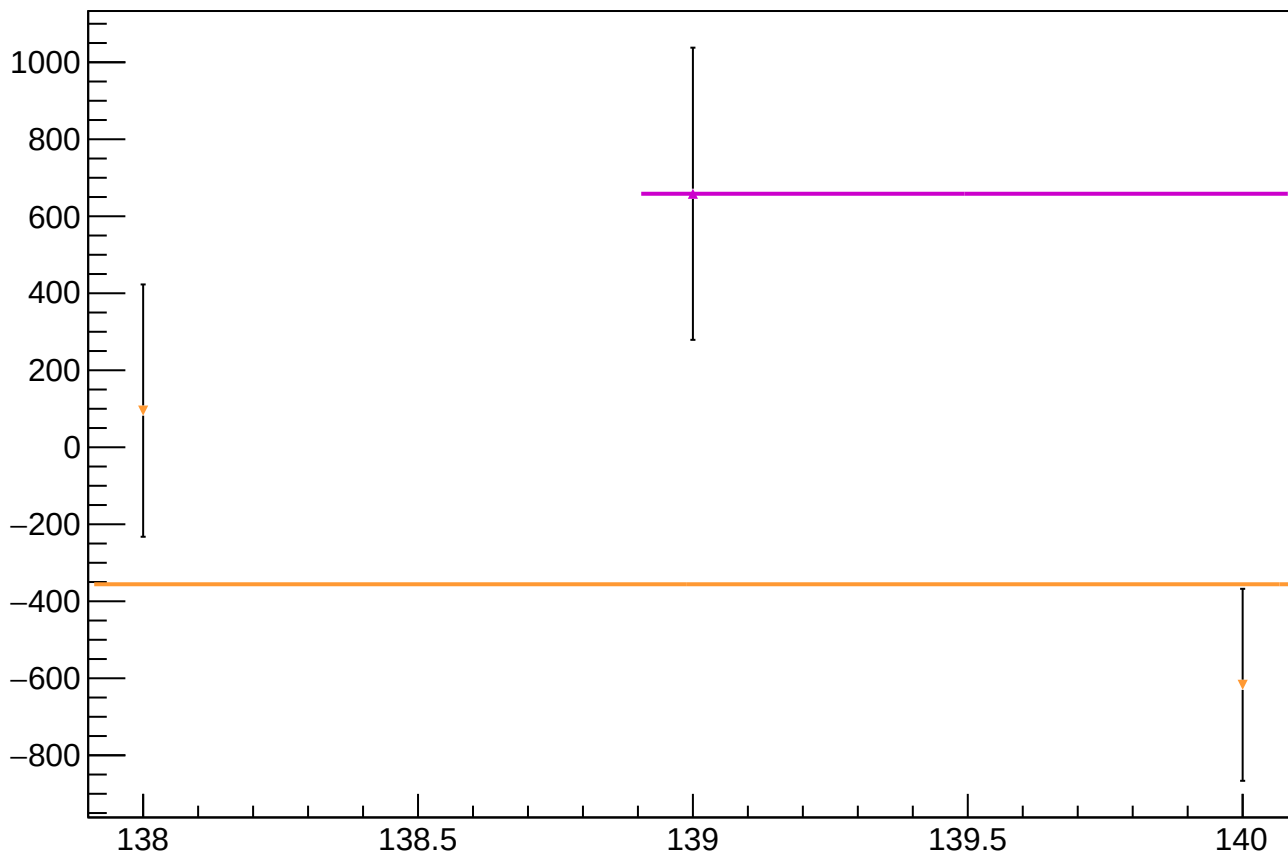
Left In: 56.702 +/- 0.047 χ^2/NDF : 0.0/0

63.430 +/- 0.016 χ^2/NDF : 238223.5/18

63.585 +/- 0.011 χ^2/NDF : 491473.8/39

63.749 +/- 0.016 χ^2/NDF : 253052.0/20

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -355.796+/-198.418 χ^2/NDF : 3.0/1

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

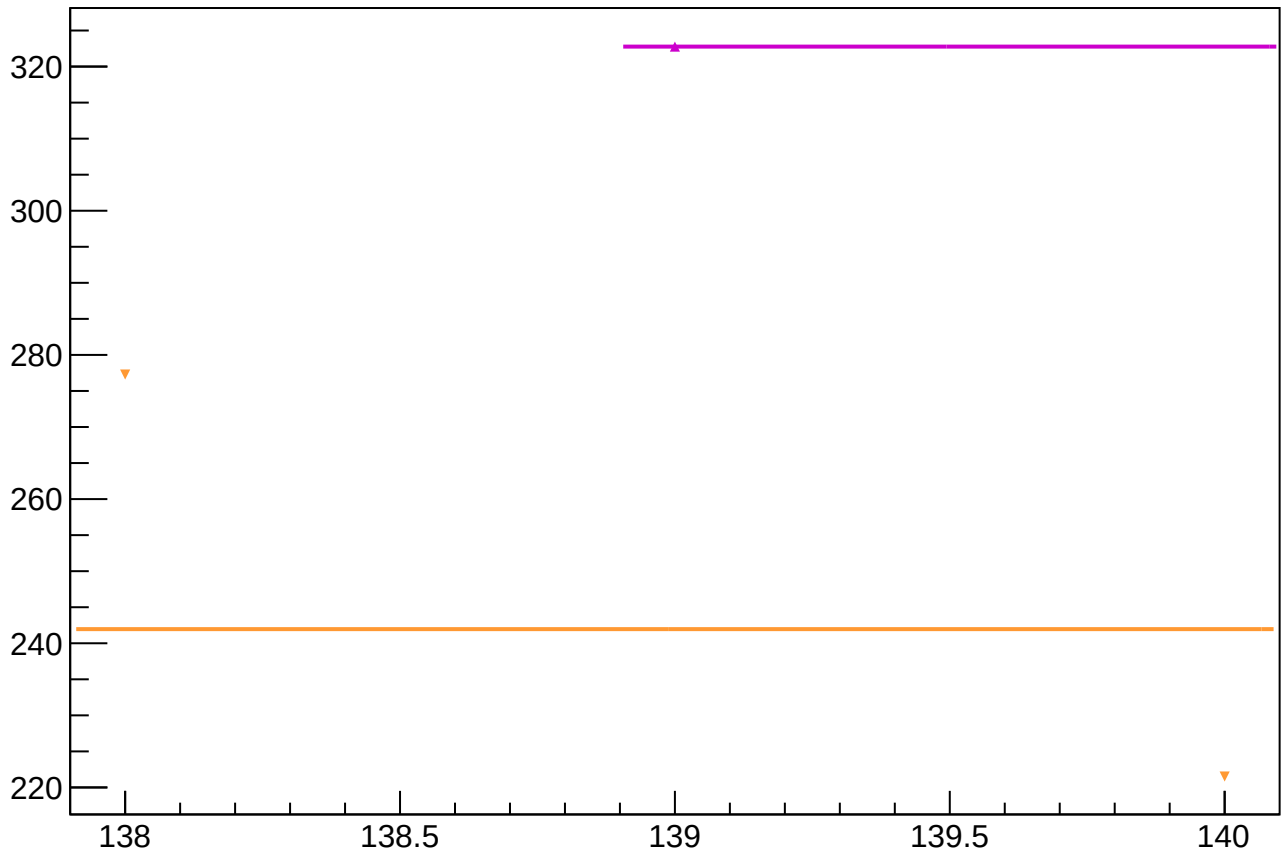
Left In: 658.464+/-379.437 χ^2/NDF : 0.0/0

-355.796+/-198.418 χ^2/NDF : 3.0/1

-138.000+/-175.829 χ^2/NDF : 8.6/2

658.464+/-379.437 χ^2/NDF : 0.0/0

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 241.962+/-0.140 χ^2/NDF : 36683.9/1

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

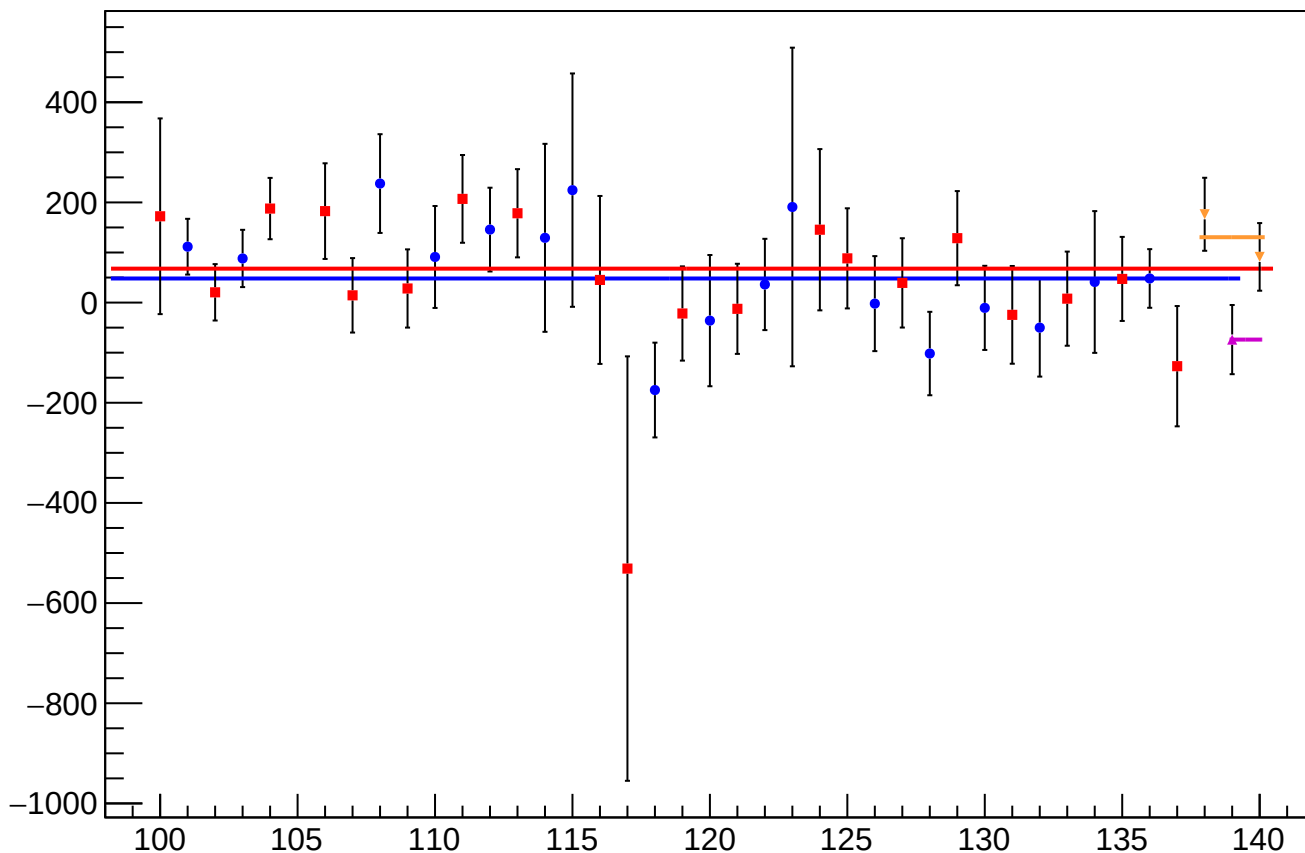
Left In: 322.769+/-0.268 χ^2/NDF : 0.0/0

241.962+/-0.140 χ^2/NDF : 36683.9/1

259.314+/-0.124 χ^2/NDF : 107914.3/2

322.769+/-0.268 χ^2/NDF : 0.0/0

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: 130.529 $\pm$ 49.534 χ^2 /NDF: 0.7/1

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

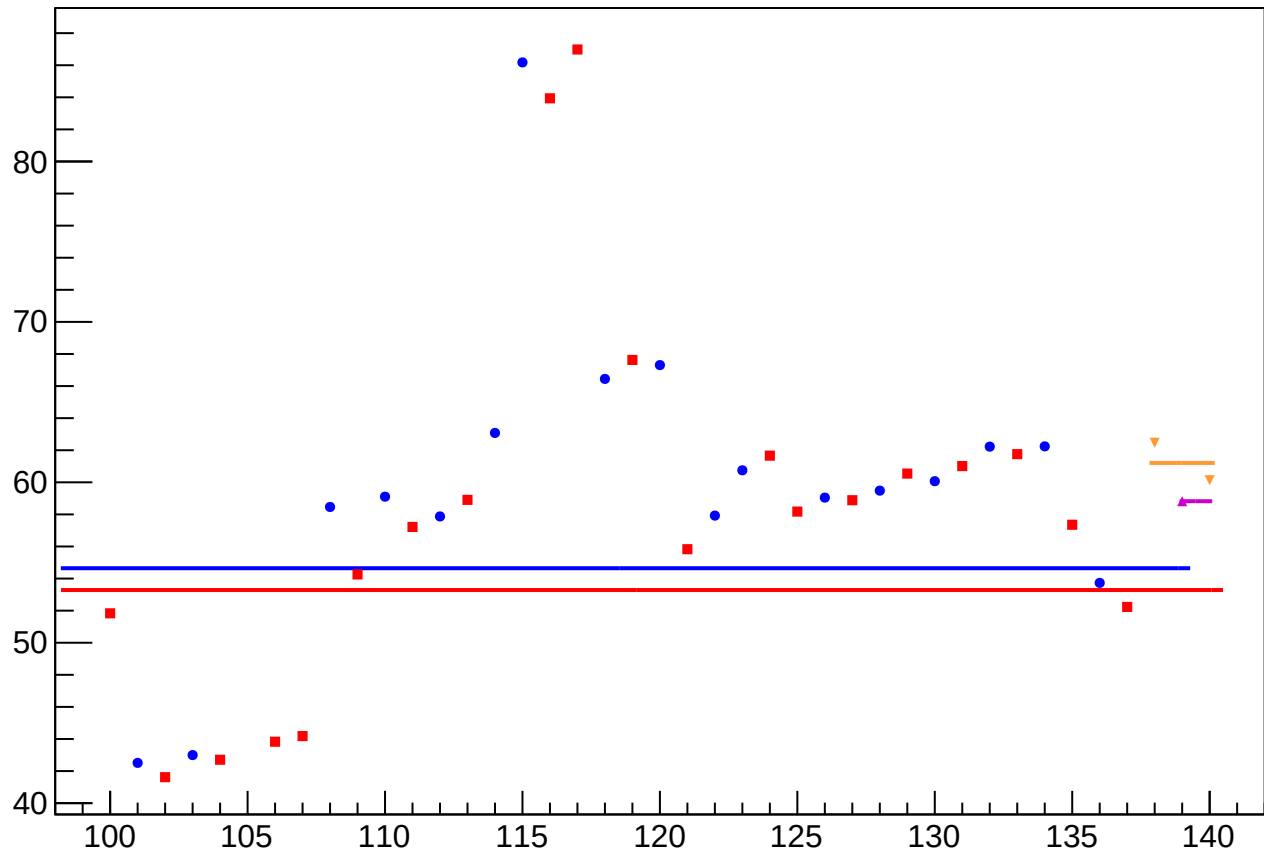
Left In: -73.881 $\pm$ 69.078 χ^2 /NDF: 0.0/0

61.185 $\pm$ 19.730 χ^2 /NDF: 22.0/18

58.781 $\pm$ 13.887 χ^2 /NDF: 45.6/39

56.421 $\pm$ 19.550 χ^2 /NDF: 23.5/20

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: 61.208 $\pm$ 0.035 χ^2 /NDF: 1106.6/1

Right Out: 53.285 $\pm$ 0.014 χ^2 /NDF: 398973.0/19

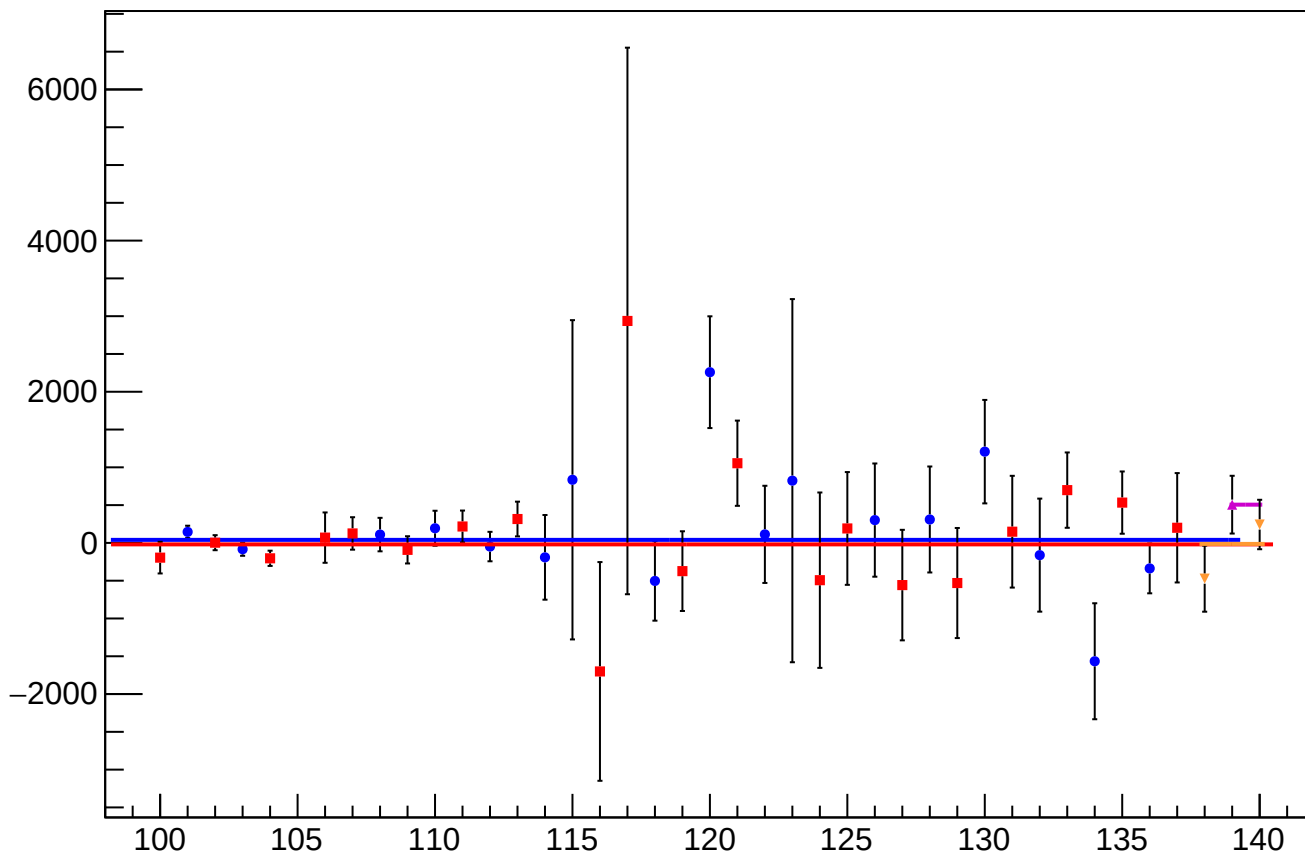
Left In: 58.822 $\pm$ 0.049 χ^2 /NDF: 0.0/0

55.686 $\pm$ 0.014 χ^2 /NDF: 349951.9/18

54.698 $\pm$ 0.010 χ^2 /NDF: 770680.7/39

53.729 $\pm$ 0.014 χ^2 /NDF: 410793.3/20

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -13.412+/-261.925 χ^2/NDF : 1.7/1

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

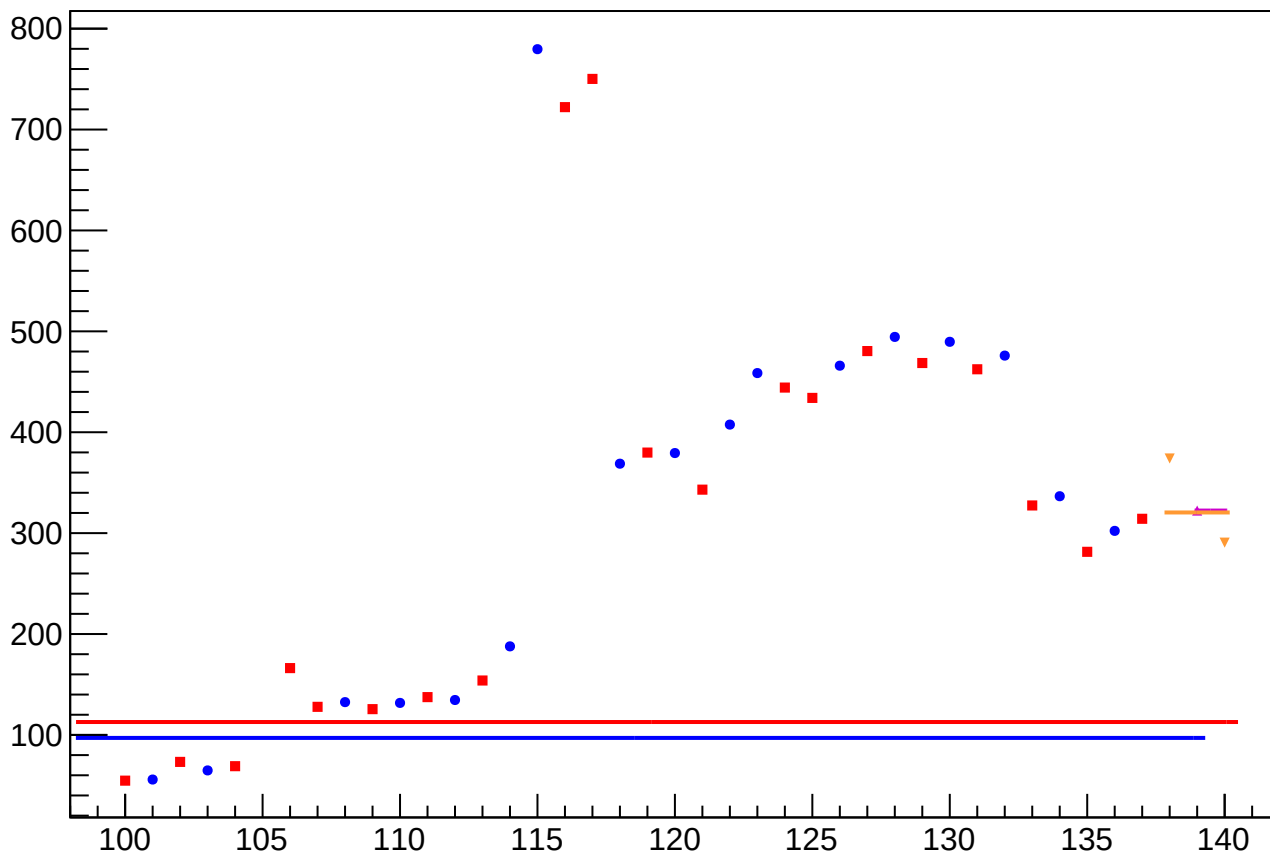
Left In: 505.977+/-382.109 χ^2/NDF : 0.0/0

38.208+/-50.572 χ^2/NDF : 25.6/18

15.329+/-36.508 χ^2/NDF : 47.5/39

-9.571+/-52.758 χ^2/NDF : 21.4/20

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 320.485+/-0.185 χ^2/NDF : 46652.2/1

Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

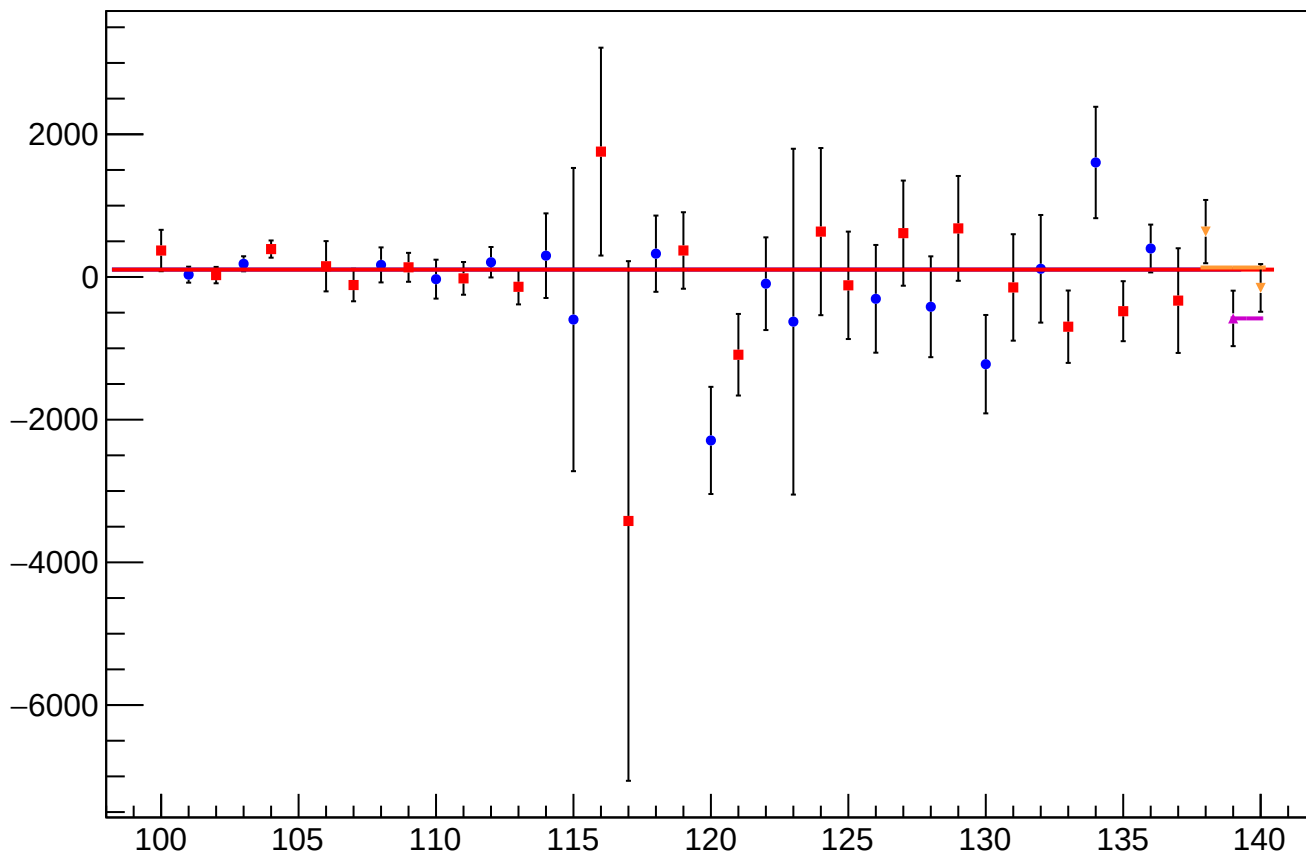
Left In: 322.362+/-0.270 χ^2/NDF : 0.0/0

105.369+/-0.036 χ^2/NDF : 7267623.7/18

110.836+/-0.026 χ^2/NDF : 13005042.0/39

116.787+/-0.037 χ^2/NDF : 5688598.3/20

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 132.608 $\pm$ 266.929 χ^2 /NDF: 2.0/1

Right Out: 103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

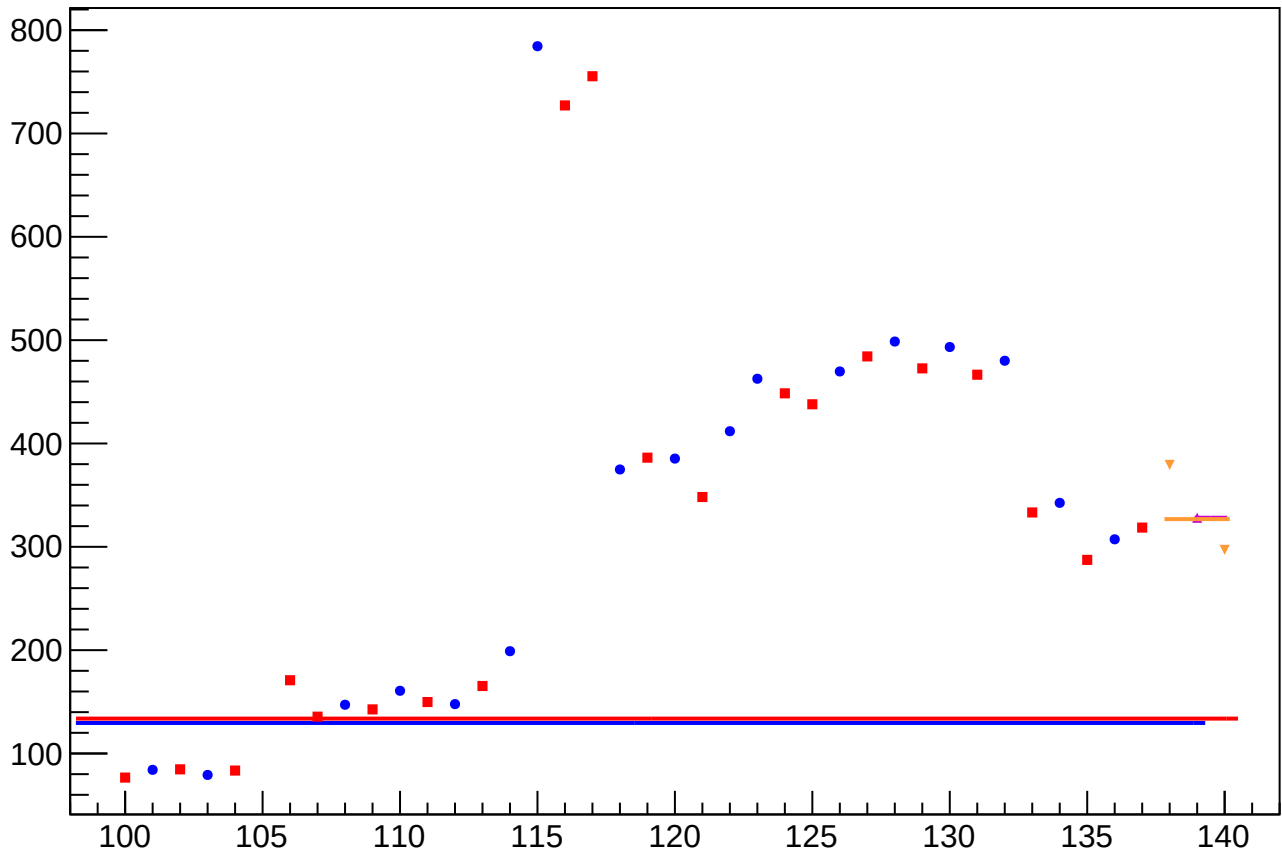
Left In: -580.730 $\pm$ 388.723 χ^2 /NDF: 0.0/0

105.517 $\pm$ 61.459 χ^2 /NDF: 23.3/18

95.952 $\pm$ 42.976 χ^2 /NDF: 48.7/39

86.799 $\pm$ 60.116 χ^2 /NDF: 25.3/20

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 326.830+/-0.189 χ^2/NDF : 43851.2/1

Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

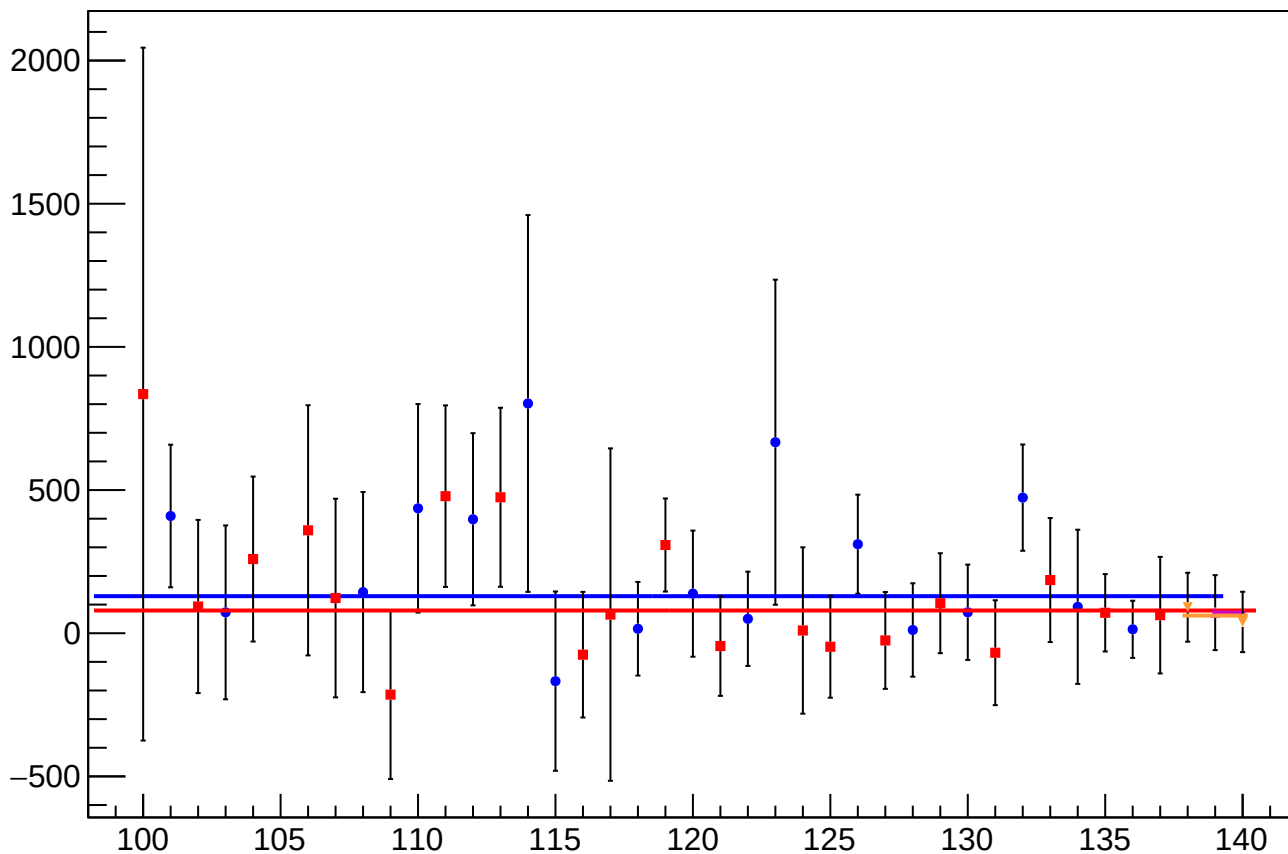
Left In: 328.148+/-0.275 χ^2/NDF : 0.0/0

140.010+/-0.043 χ^2/NDF : 5850821.5/18

139.195+/-0.030 χ^2/NDF : 10764196.6/39

138.415+/-0.043 χ^2/NDF : 4912686.7/20

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: 61.692 $\pm$ 79.334 χ^2 /NDF: 0.1/1

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

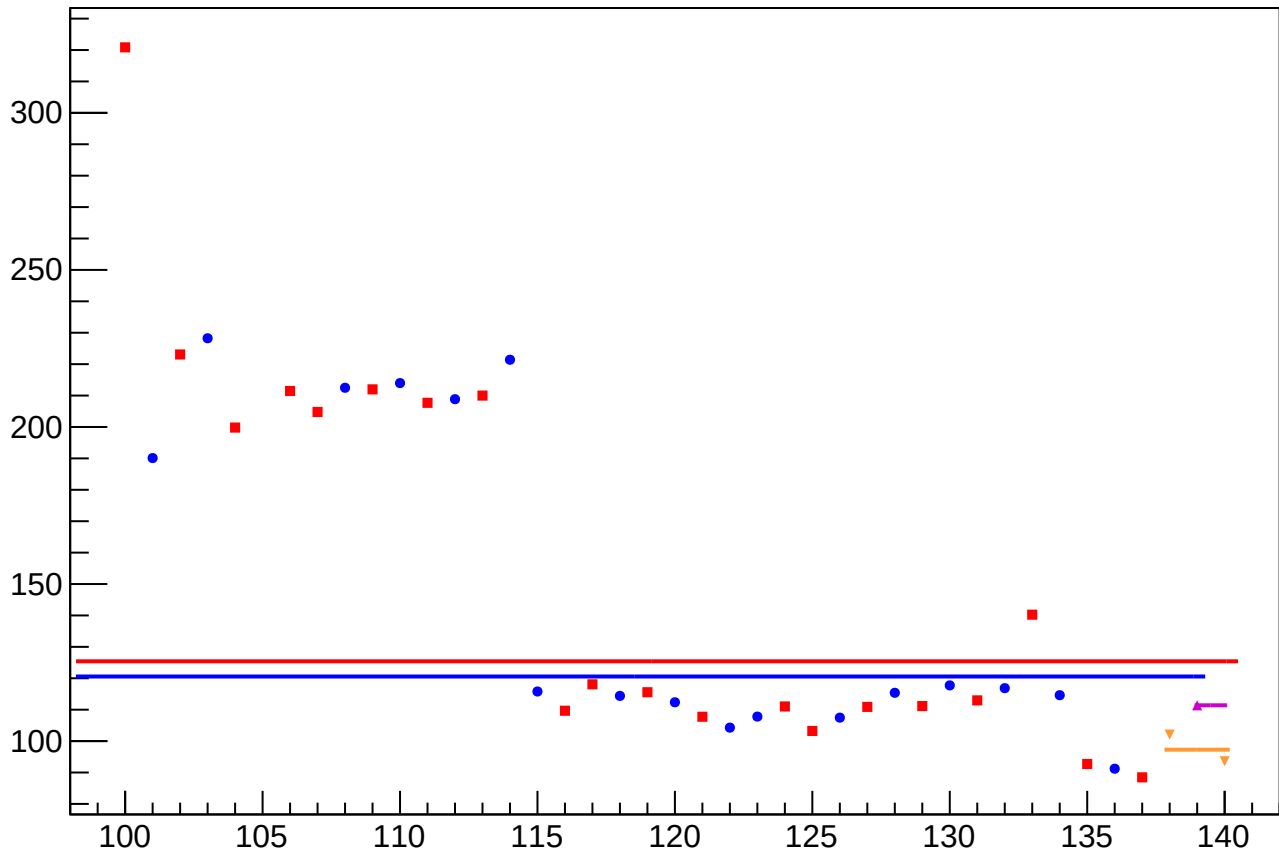
Left In: 71.916 $\pm$ 130.943 χ^2 /NDF: 0.0/0

110.635 $\pm$ 41.764 χ^2 /NDF: 13.5/18

96.248 $\pm$ 31.062 χ^2 /NDF: 24.0/39

78.438 $\pm$ 46.468 χ^2 /NDF: 10.2/20

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: 97.262 $\pm$ 0.056 χ^2 /NDF:5624.0/1

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

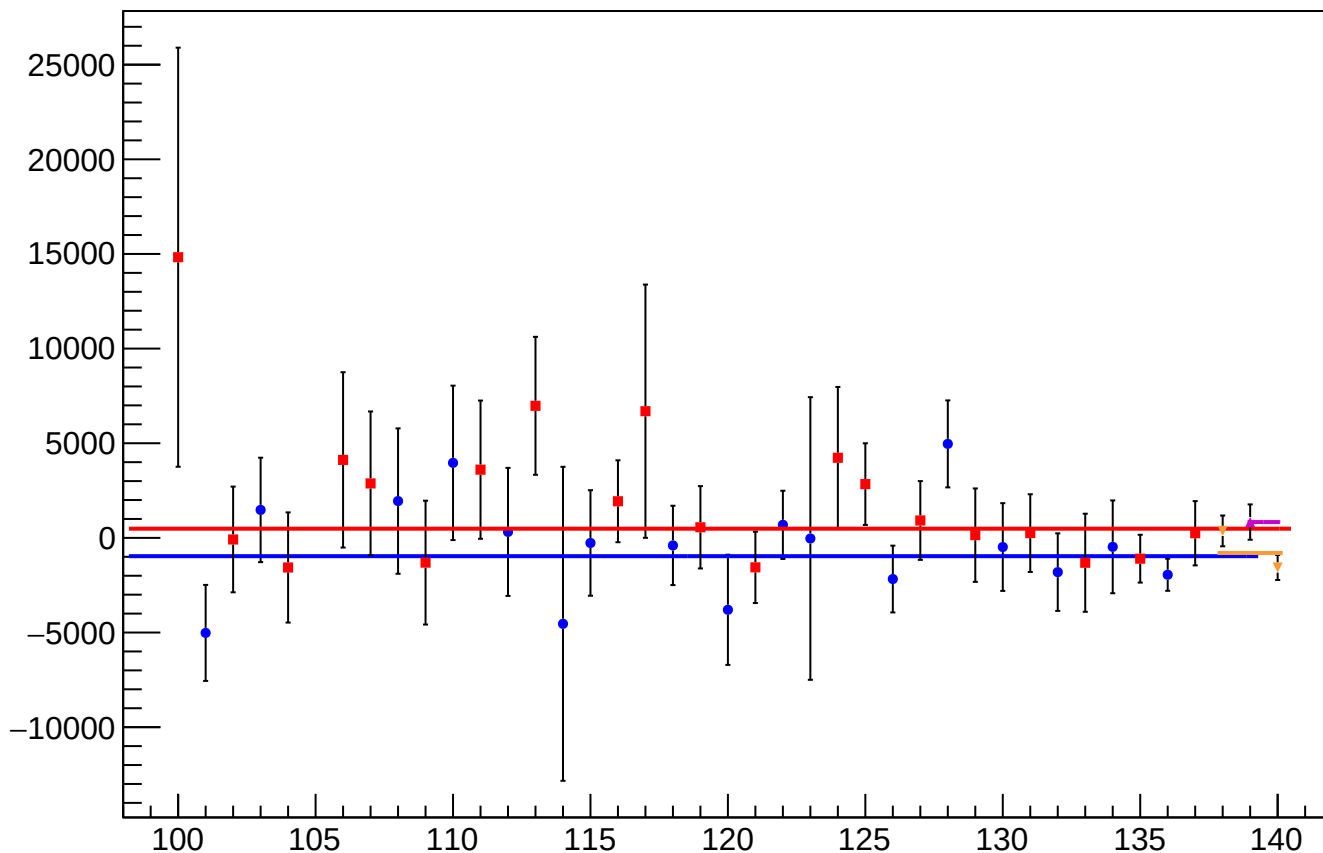
Left In: 111.394 $\pm$ 0.093 χ^2 /NDF:0.0/0

114.107 $\pm$ 0.030 χ^2 /NDF: 1242438.3/18

118.367 $\pm$ 0.022 χ^2 /NDF: 2643087.0/39

123.640 $\pm$ 0.033 χ^2 /NDF: 1354089.3/20

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -798.336+/-511.794 χ^2/NDF : 3.4/1

Right Out: 485.654+/-543.567 χ^2/NDF : 14.3/19

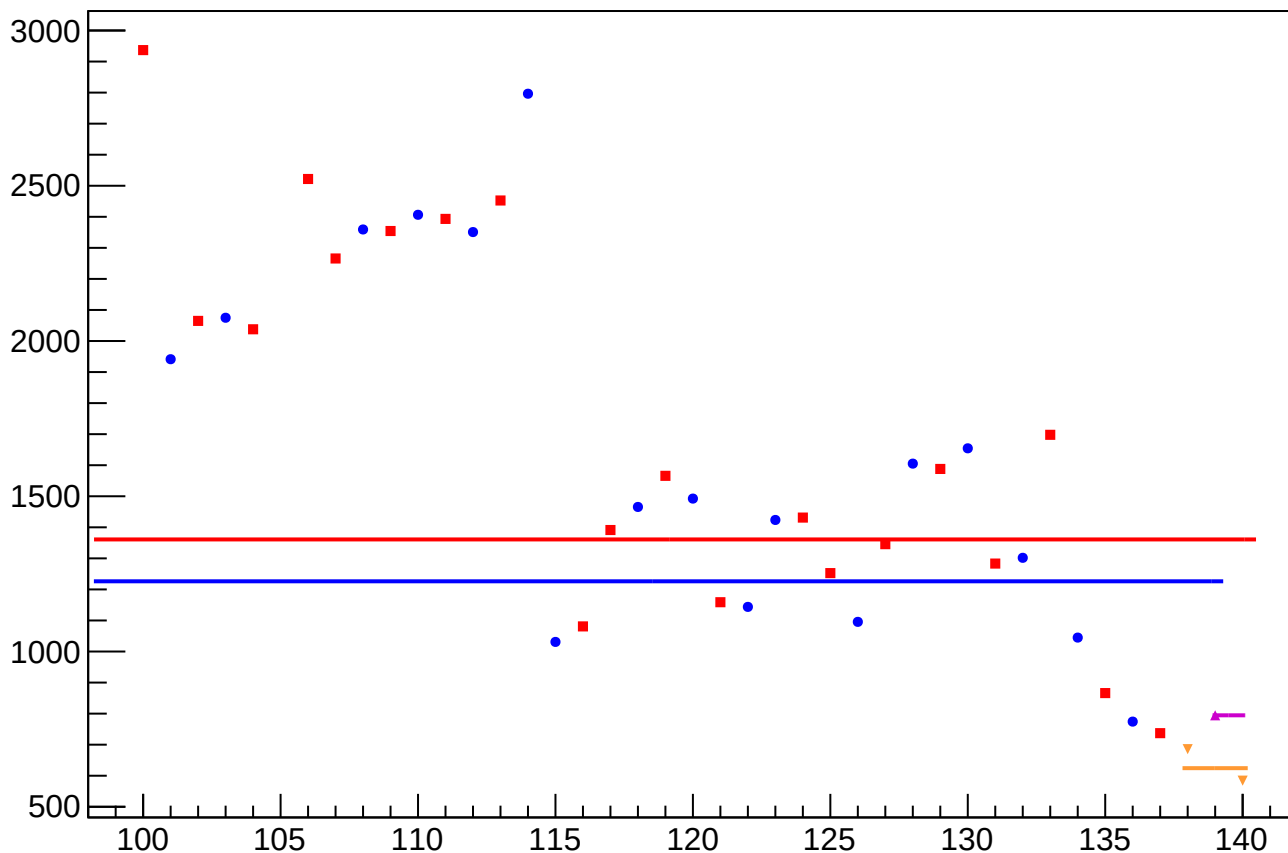
Left In: 835.584+/-933.343 χ^2/NDF : 0.0/0

-882.372+/-362.086 χ^2/NDF : 19.8/18

-339.422+/-286.772 χ^2/NDF : 40.2/39

574.282+/-469.715 χ^2/NDF : 14.4/20

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135 $\pm$ 0.362 χ^2 /NDF: 1756323.1/16

Left Out: 624.357 $\pm$ 0.362 χ^2 /NDF:18791.8/1

Right Out: 1360.972 $\pm$ 0.384 χ^2 /NDF: 1749116.2/19

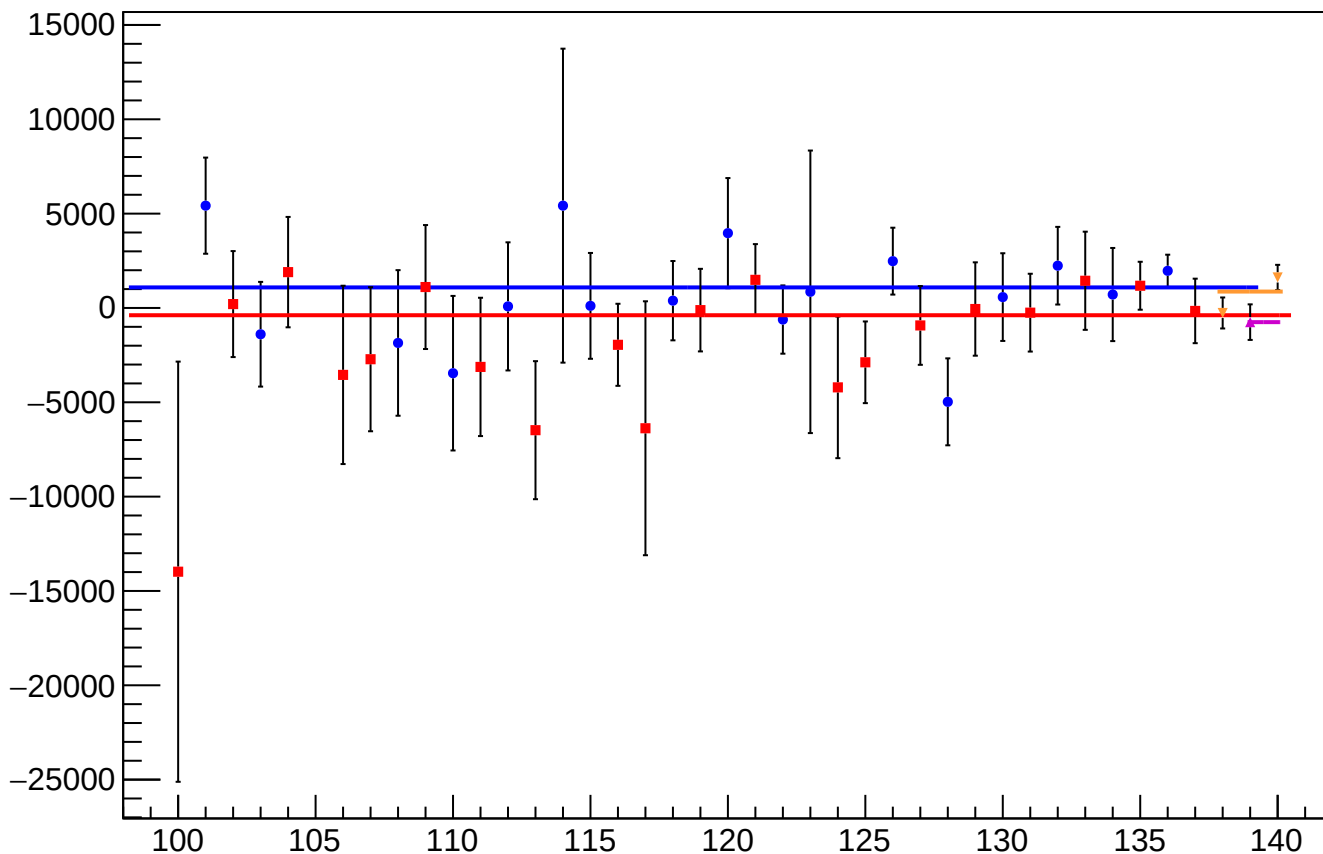
Left In: 794.571 $\pm$ 0.660 χ^2 /NDF:0.0/0

924.925 $\pm$ 0.256 χ^2 /NDF: 3156193.5/18

1033.986 $\pm$ 0.203 χ^2 /NDF: 5942090.4/39

1217.518 $\pm$ 0.332 χ^2 /NDF: 2299109.6/20

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 869.108+/-518.014 χ^2/NDF : 3.2/1

Right Out: -385.391+/-546.382 χ^2/NDF : 13.3/19

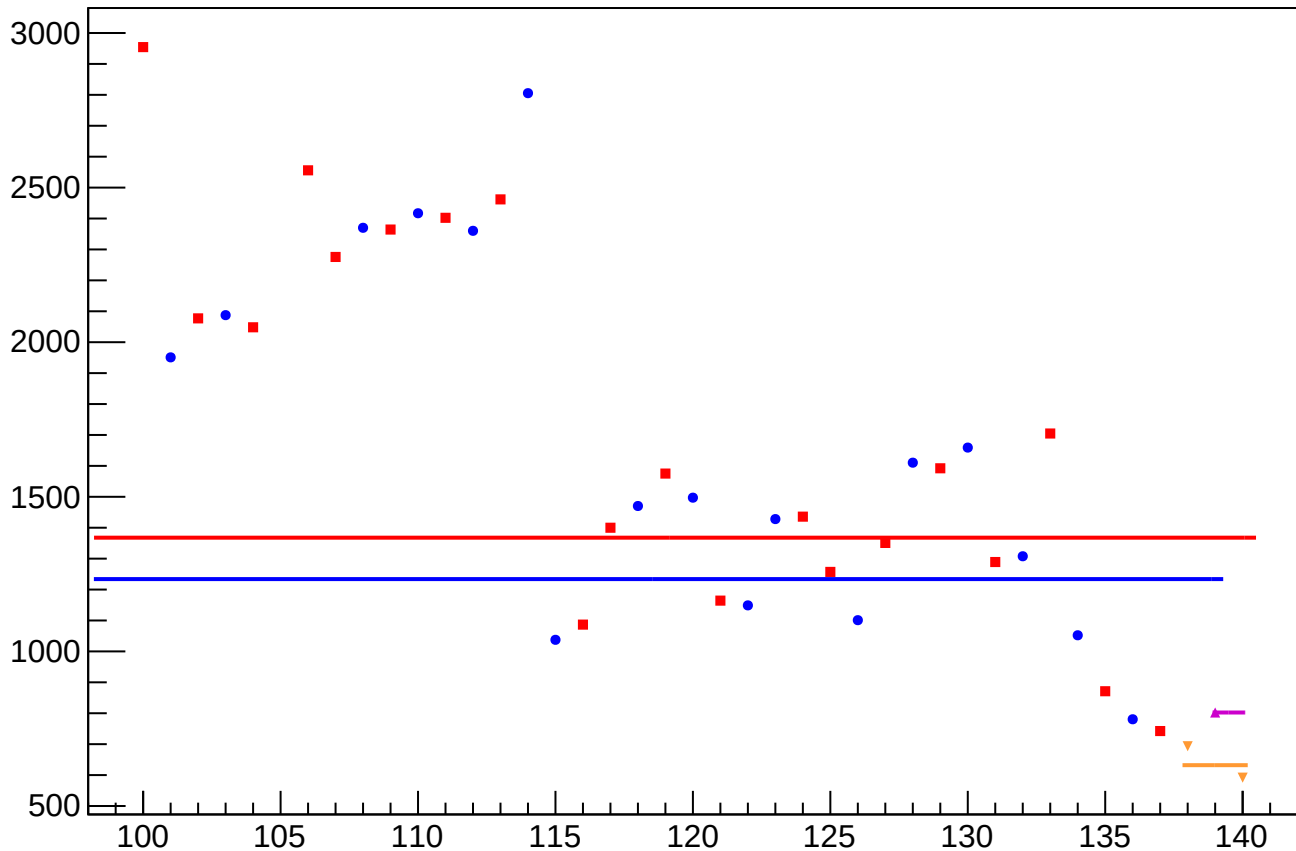
Left In: -751.634+/-942.513 χ^2/NDF : 0.0/0

979.671+/-365.318 χ^2/NDF : 20.2/18

434.780+/-289.055 χ^2/NDF : 39.6/39

-477.513+/-472.697 χ^2/NDF : 13.4/20

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863 $\pm$ 0.364 χ^2 /NDF: 1744048.5/16

Left Out: 632.044 $\pm$ 0.366 χ^2 /NDF:18406.4/1

Right Out: 1367.823 $\pm$ 0.386 χ^2 /NDF: 1744640.3/19

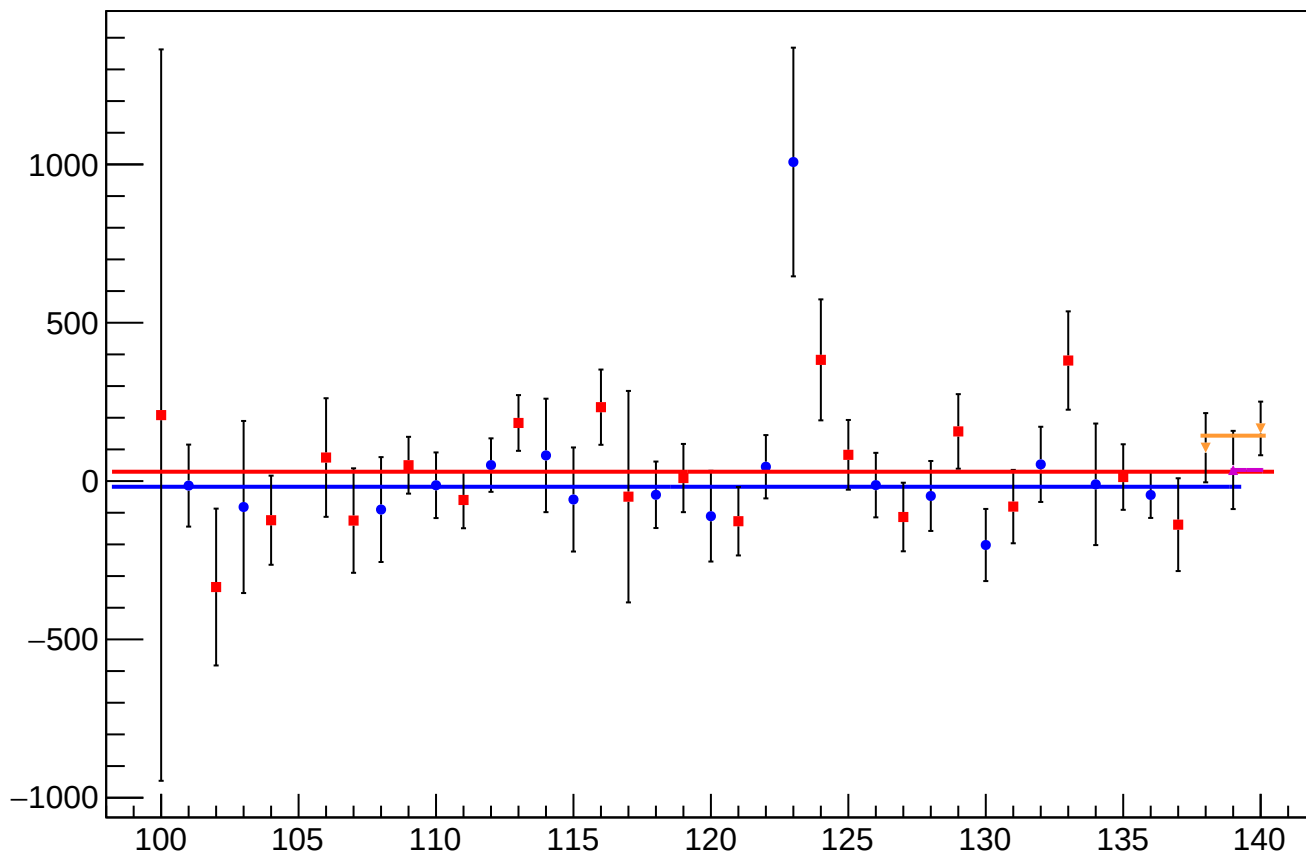
Left In: 802.373 $\pm$ 0.666 χ^2 /NDF:0.0/0

934.550 $\pm$ 0.258 χ^2 /NDF: 3119353.9/18

1043.382 $\pm$ 0.204 χ^2 /NDF: 5877462.4/39

1225.595 $\pm$ 0.334 χ^2 /NDF: 2283426.8/20

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 143.403 ± 66.938 $\chi^2/\text{NDF}: 0.2/1$

Right Out: 29.517 ± 27.879 $\chi^2/\text{NDF}: 27.5/19$

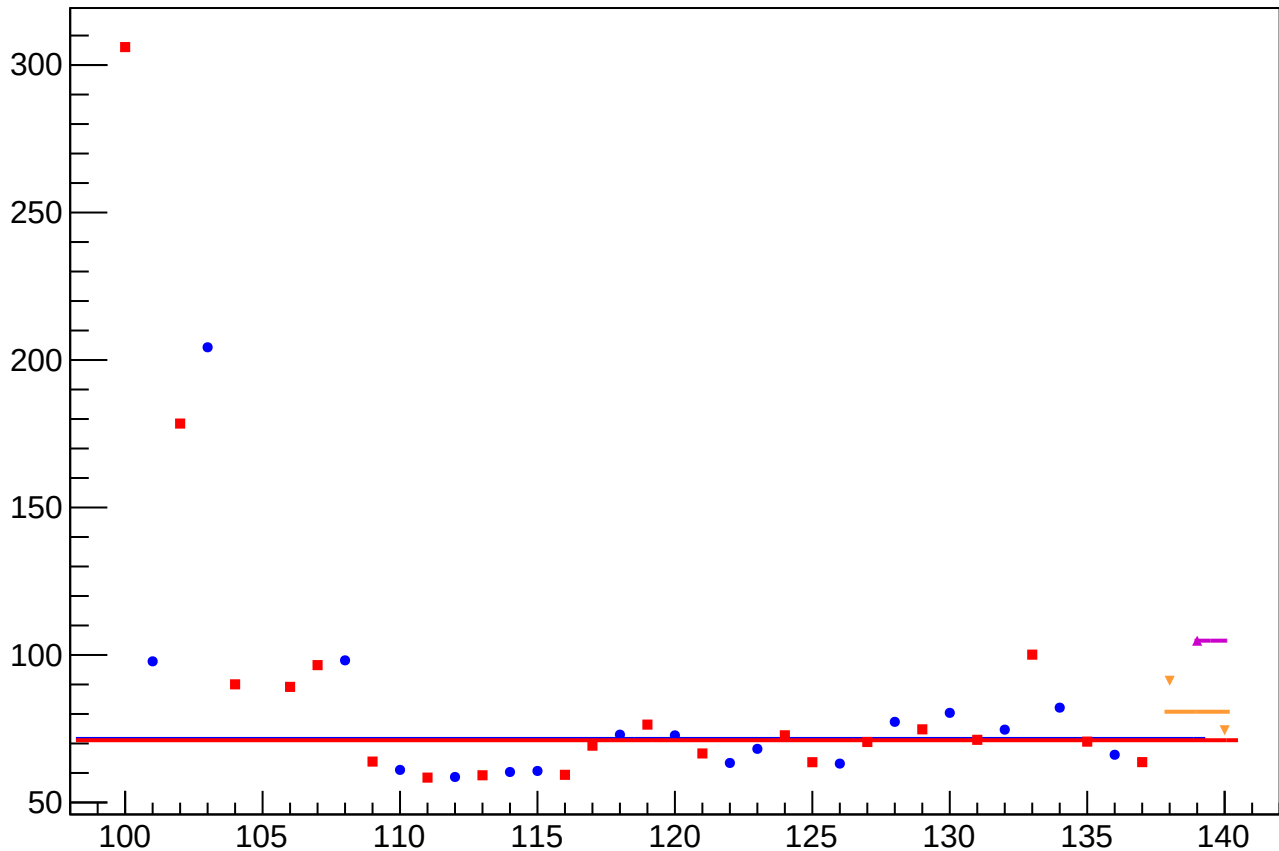
Left In: 35.062 ± 123.479 $\chi^2/\text{NDF}: 0.0/0$

7.306 ± 26.492 $\chi^2/\text{NDF}: 18.5/18$

18.252 ± 18.976 $\chi^2/\text{NDF}: 46.3/39$

29.786 ± 27.194 $\chi^2/\text{NDF}: 27.5/20$

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 80.761 $\pm$ 0.047 χ^2 /NDF: 29457.6/1

Right Out: 71.102 $\pm$ 0.020 χ^2 /NDF: 765220.8/19

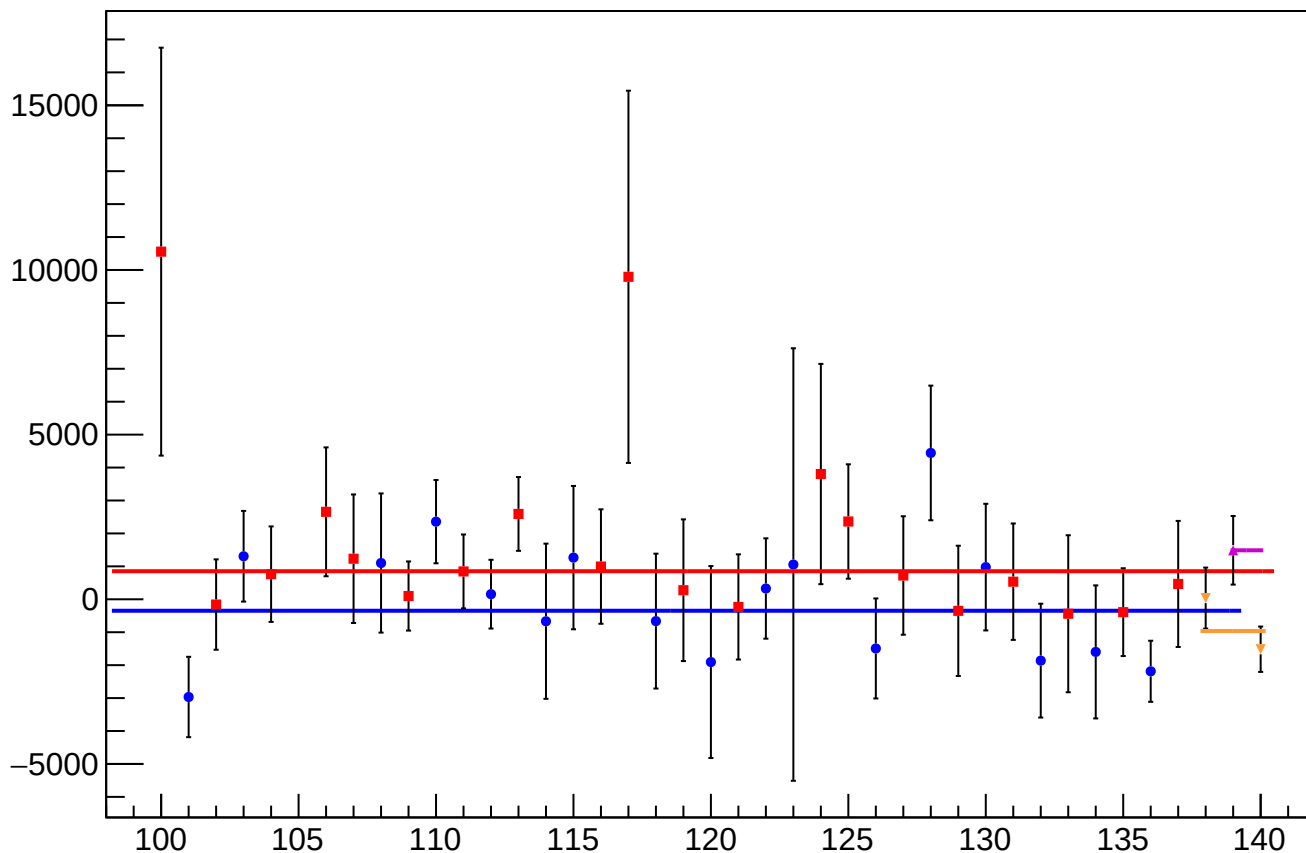
Left In: 104.851 $\pm$ 0.087 χ^2 /NDF: 0.0/0

72.981 $\pm$ 0.019 χ^2 /NDF: 820454.2/18

72.863 $\pm$ 0.013 χ^2 /NDF: 1727916.6/39

72.739 $\pm$ 0.019 χ^2 /NDF: 907381.2/20

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -963.921+/-552.723 χ^2/NDF : 1.8/1

Right Out: 852.433+/-369.018 χ^2/NDF : 13.0/19

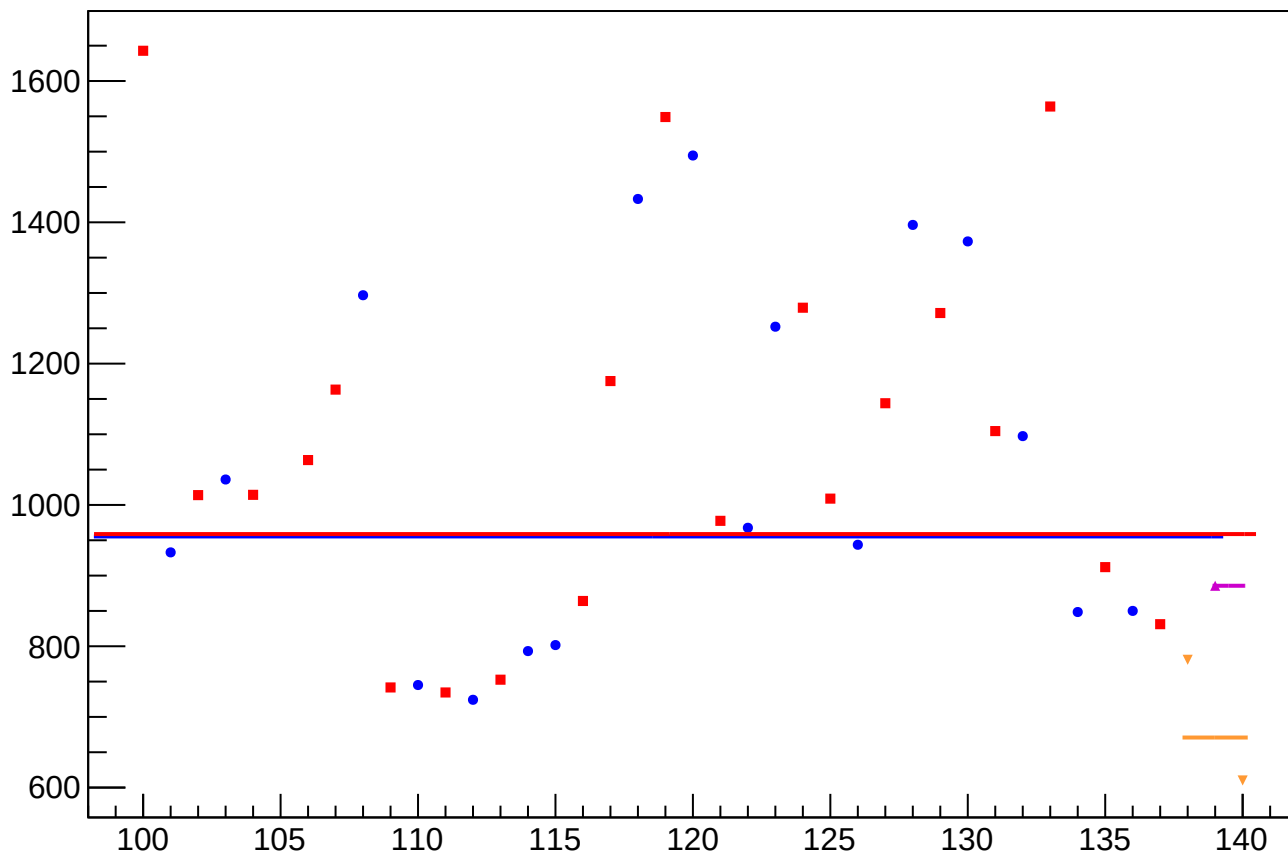
Left In: 1487.675+/-1041.669 χ^2/NDF : 0.0/0

-547.051+/-314.248 χ^2/NDF : 26.7/18

113.707+/-233.180 χ^2/NDF : 49.9/39

923.265+/-347.836 χ^2/NDF : 13.3/20

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 670.825+/-0.391 χ^2/NDF : 43757.2/1

Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

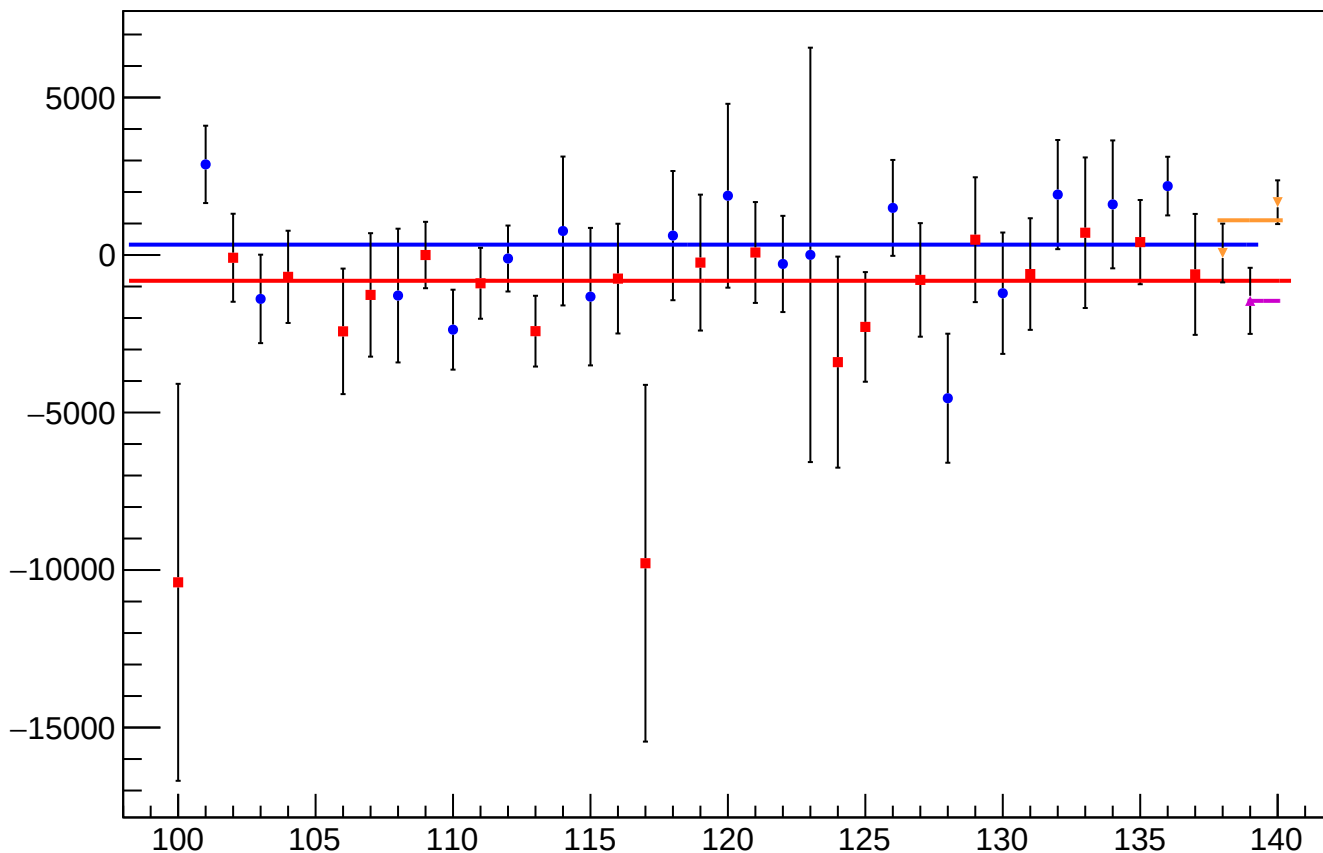
Left In: 885.618+/-0.737 χ^2/NDF : 0.0/0

863.430+/-0.222 χ^2/NDF : 1049125.3/18

902.612+/-0.165 χ^2/NDF : 1823110.2/39

950.618+/-0.246 χ^2/NDF : 704796.3/20

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164+/-383.728 χ^2/NDF : 24.3/16

Left Out: 1102.463+/-556.872 χ^2/NDF : 1.9/1

Right Out: -818.253+/-370.875 χ^2/NDF : 11.8/19

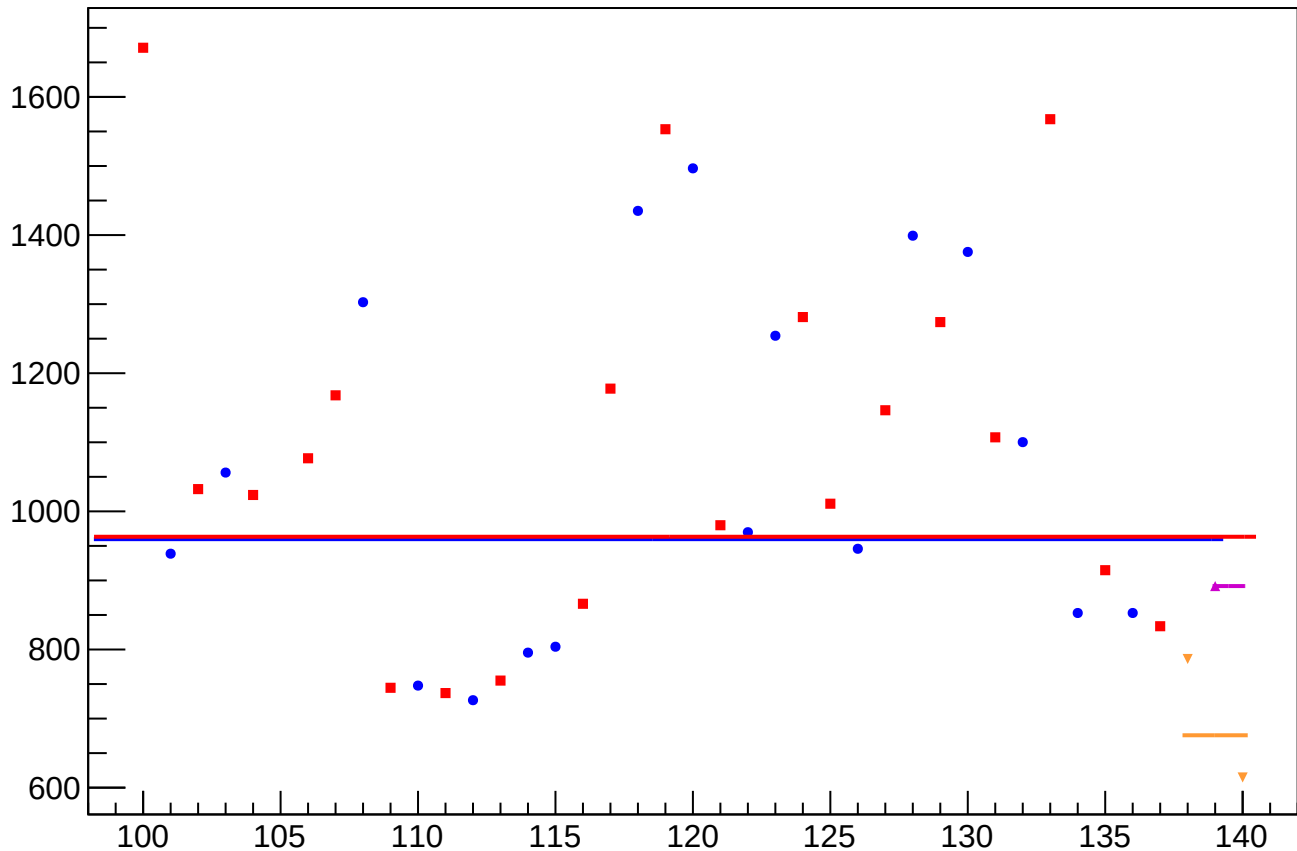
Left In: -1455.077+/-1049.004 χ^2/NDF : 0.0/0

578.131+/-315.975 χ^2/NDF : 27.5/18

-81.374+/-234.436 χ^2/NDF : 49.4/39

-889.009+/-349.664 χ^2/NDF : 12.2/20

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 675.836 $\pm$ 0.394 χ^2 /NDF: 43500.4/1

Right Out: 963.238 $\pm$ 0.262 χ^2 /NDF: 698638.3/19

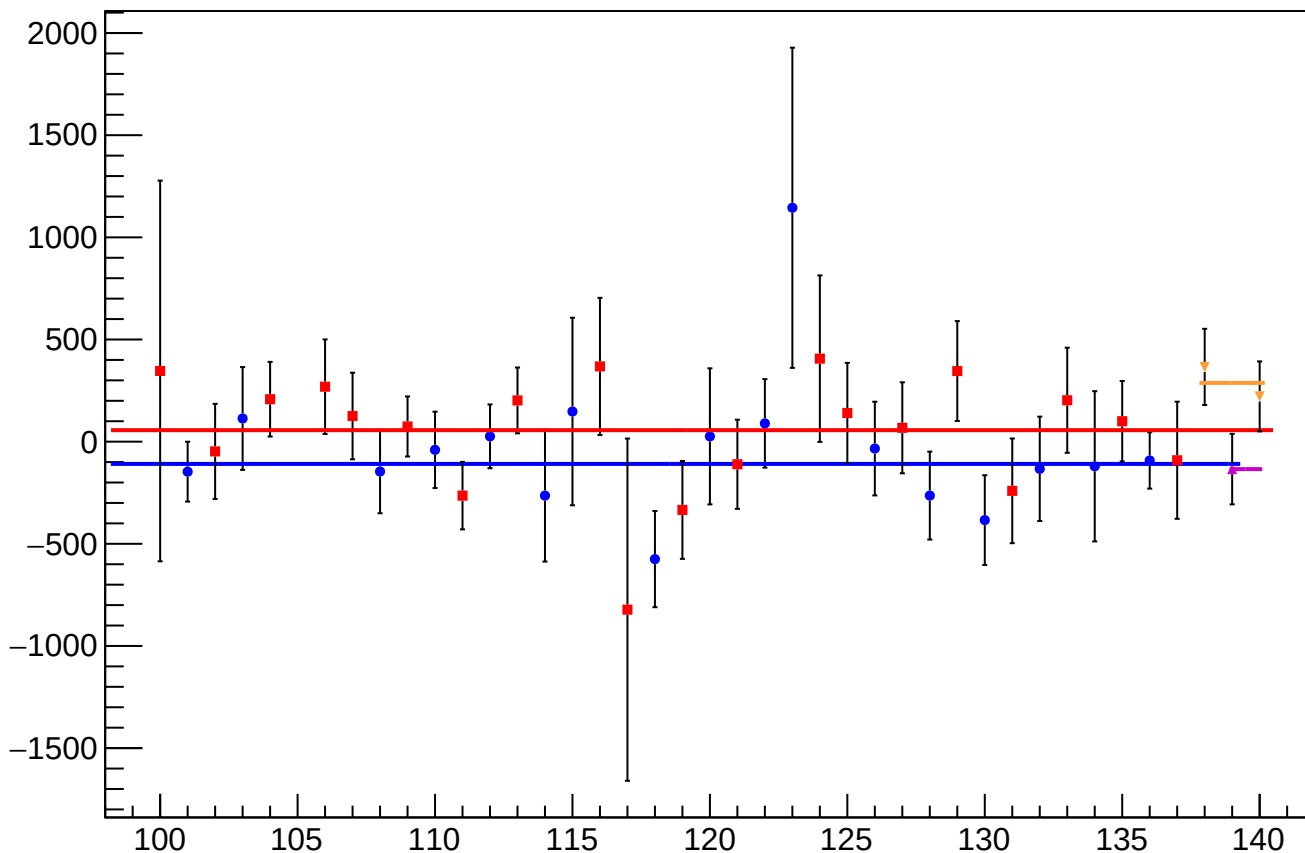
Left In: 891.848 $\pm$ 0.742 χ^2 /NDF: 0.0/0

868.356 $\pm$ 0.223 χ^2 /NDF: 1042771.8/18

907.442 $\pm$ 0.166 χ^2 /NDF: 1817721.0/39

955.306 $\pm$ 0.247 χ^2 /NDF: 706872.1/20

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 287.517 ± 126.154 χ^2/NDF : 0.3/1

Right Out: 56.241 ± 50.729 χ^2/NDF : 16.0/19

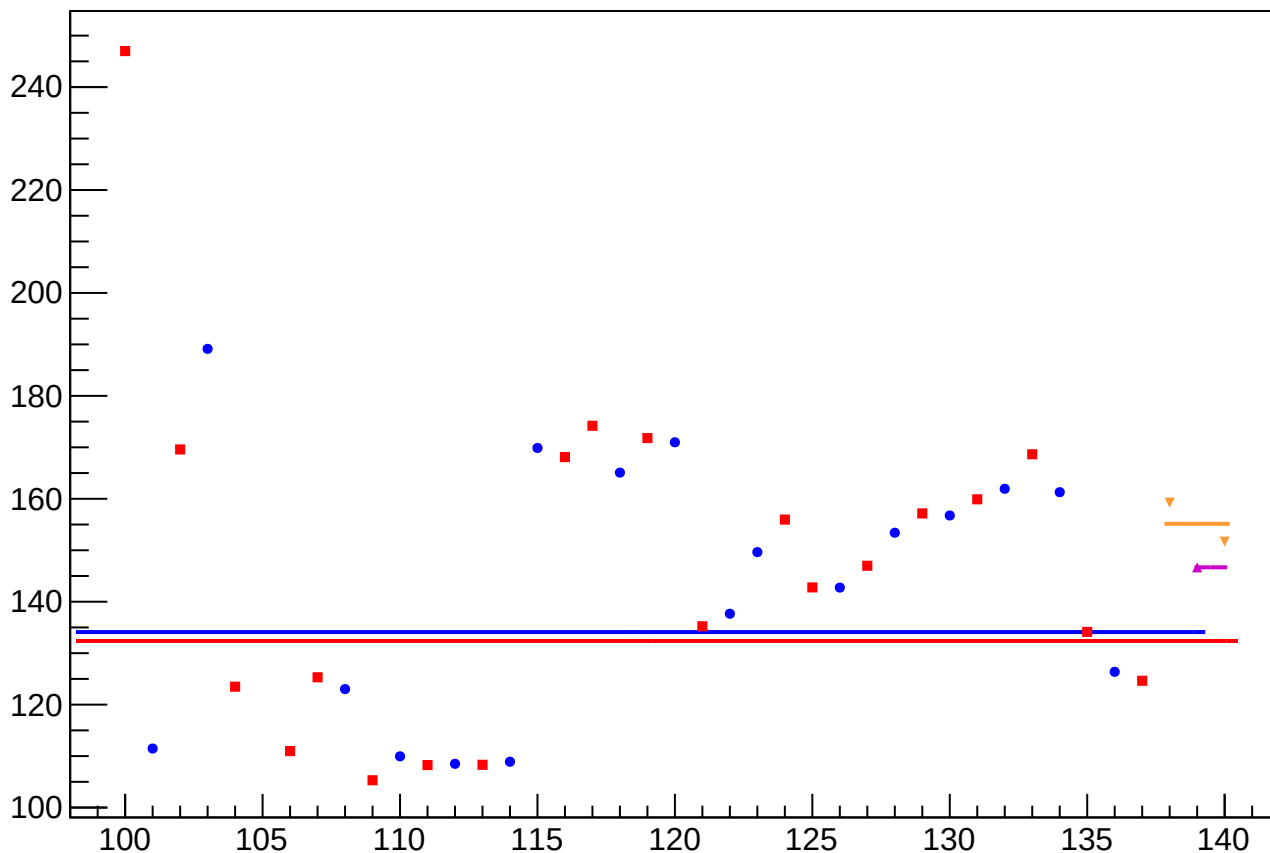
Left In: -134.350 ± 172.588 χ^2/NDF : 0.0/0

-49.641 ± 48.802 χ^2/NDF : 20.7/18

-4.155 ± 34.462 χ^2/NDF : 39.6/39

41.084 ± 48.670 χ^2/NDF : 17.1/20

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 155.136+/-0.089 χ^2/NDF :1790.4/1

Right Out: 132.373+/-0.036 χ^2/NDF : 446741.9/19

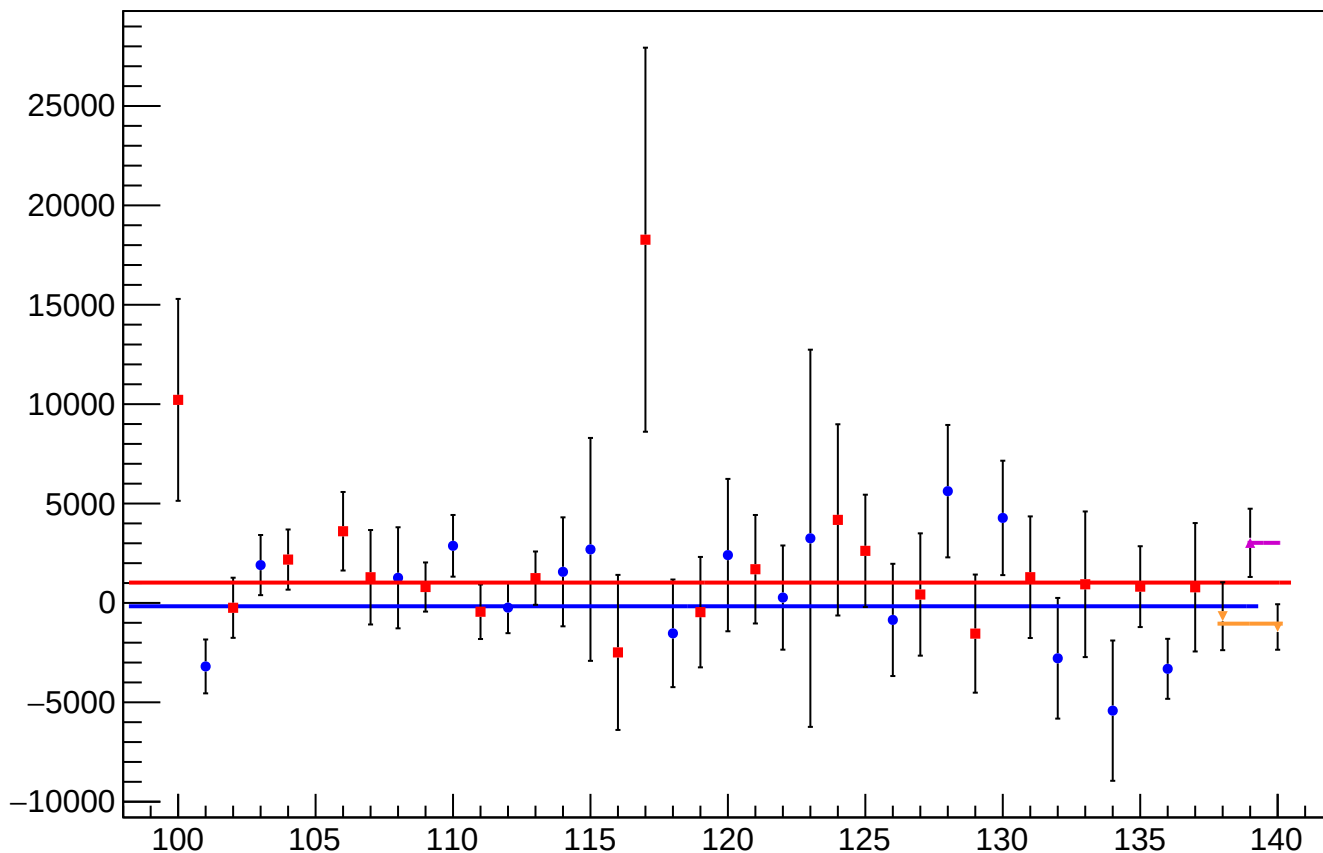
Left In: 146.683+/-0.122 χ^2/NDF :0.0/0

137.251+/-0.035 χ^2/NDF : 451645.0/18

135.376+/-0.024 χ^2/NDF : 916932.9/39

133.511+/-0.034 χ^2/NDF : 459398.8/20

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237+/-523.672 χ^2/NDF : 25.3/16

Left Out: -1042.546+/-950.940 χ^2/NDF : 0.1/1

Right Out: 1023.271+/-480.373 χ^2/NDF : 13.4/19

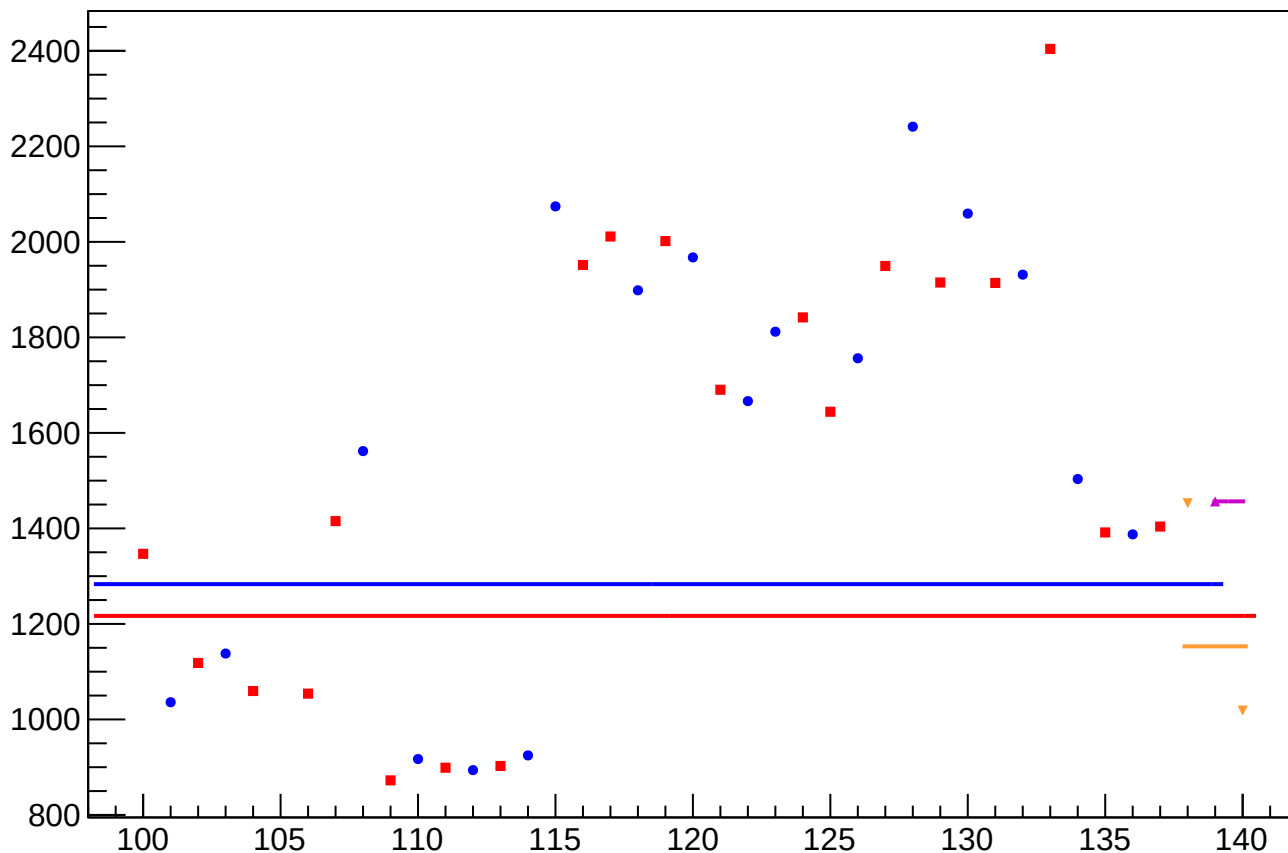
Left In: 3022.914+/-1716.892 χ^2/NDF : 0.0/0

-371.682+/-458.717 χ^2/NDF : 26.0/18

391.878+/-325.728 χ^2/NDF : 46.3/39

1168.446+/-462.607 χ^2/NDF : 14.6/20

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1152.995 $\pm$ 0.672 χ^2 /NDF: 89136.6/1

Right Out: 1216.852 $\pm$ 0.340 χ^2 /NDF: 1374416.0/19

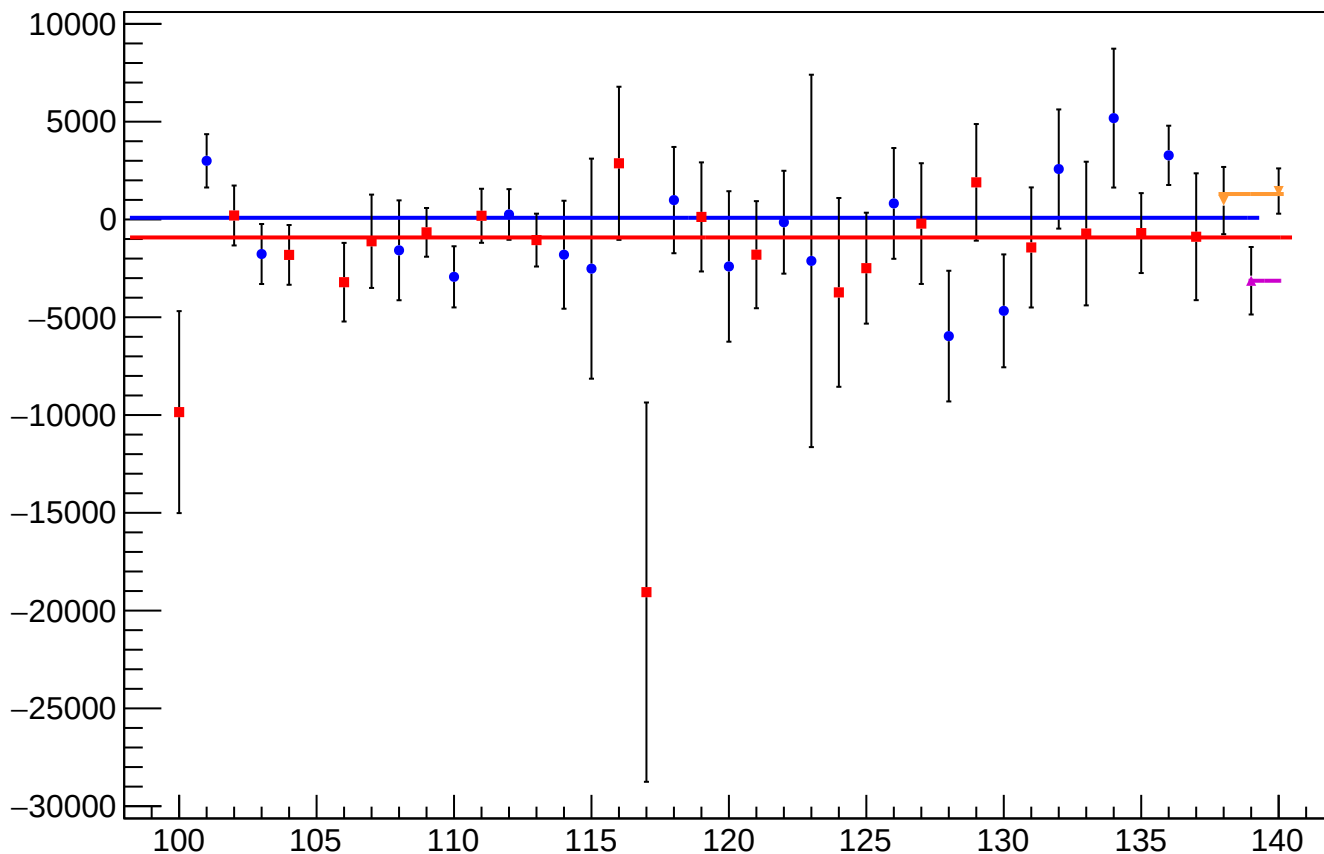
Left In: 1456.618 $\pm$ 1.214 χ^2 /NDF: 0.0/0

1252.993 $\pm$ 0.324 χ^2 /NDF: 1287390.9/18

1243.705 $\pm$ 0.230 χ^2 /NDF: 2699634.0/39

1234.259 $\pm$ 0.327 χ^2 /NDF: 1410589.3/20

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1301.182+/-960.368 χ^2/NDF : 0.1/1

Right Out: -919.892+/-484.043 χ^2/NDF : 12.2/19

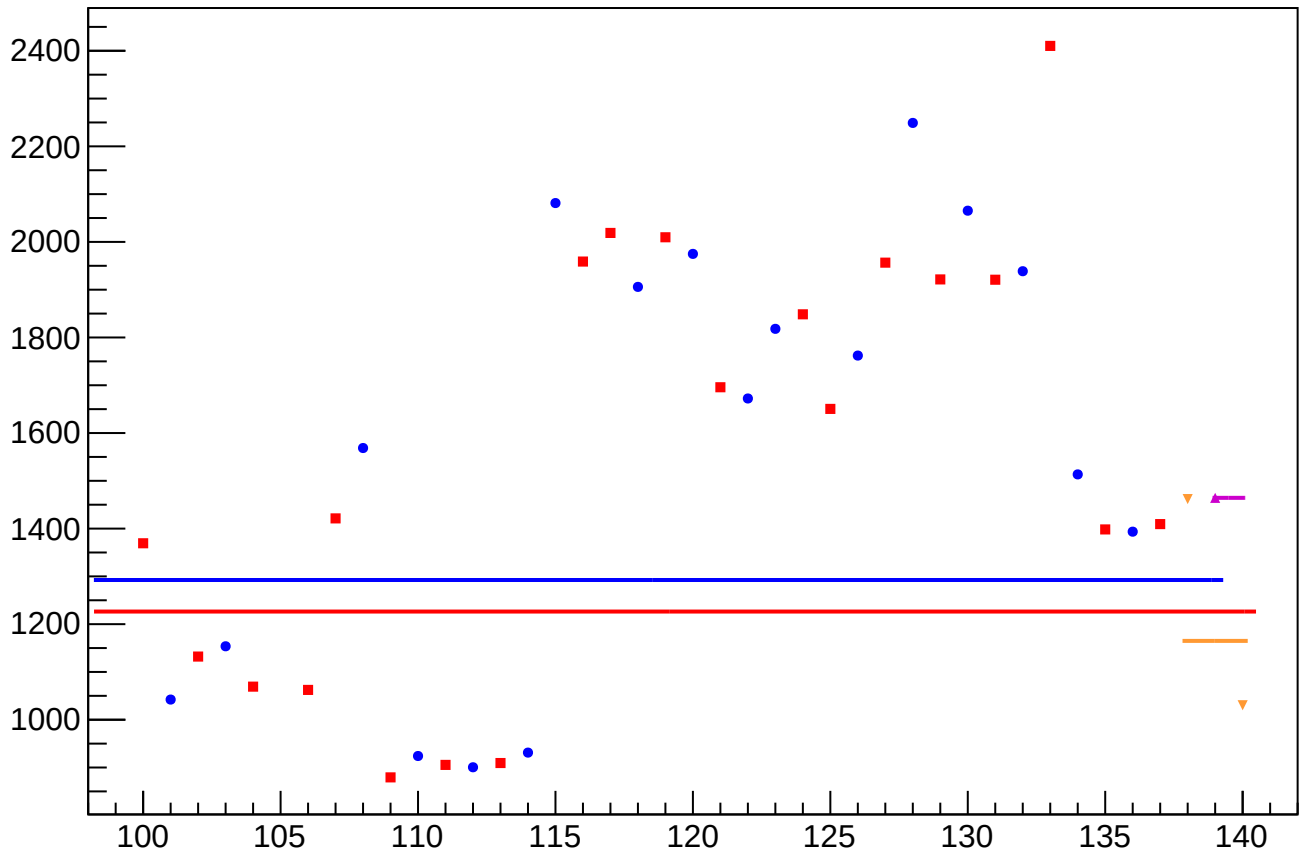
Left In: -3133.710+/-1725.907 χ^2/NDF : 0.0/0

366.593+/-462.065 χ^2/NDF : 26.0/18

-351.134+/-328.133 χ^2/NDF : 44.6/39

-1081.325+/-466.060 χ^2/NDF : 13.7/20

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1164.980 $\pm$ 0.679 χ^2 /NDF: 86681.2/1

Right Out: 1226.408 $\pm$ 0.342 χ^2 /NDF: 1359134.9/19

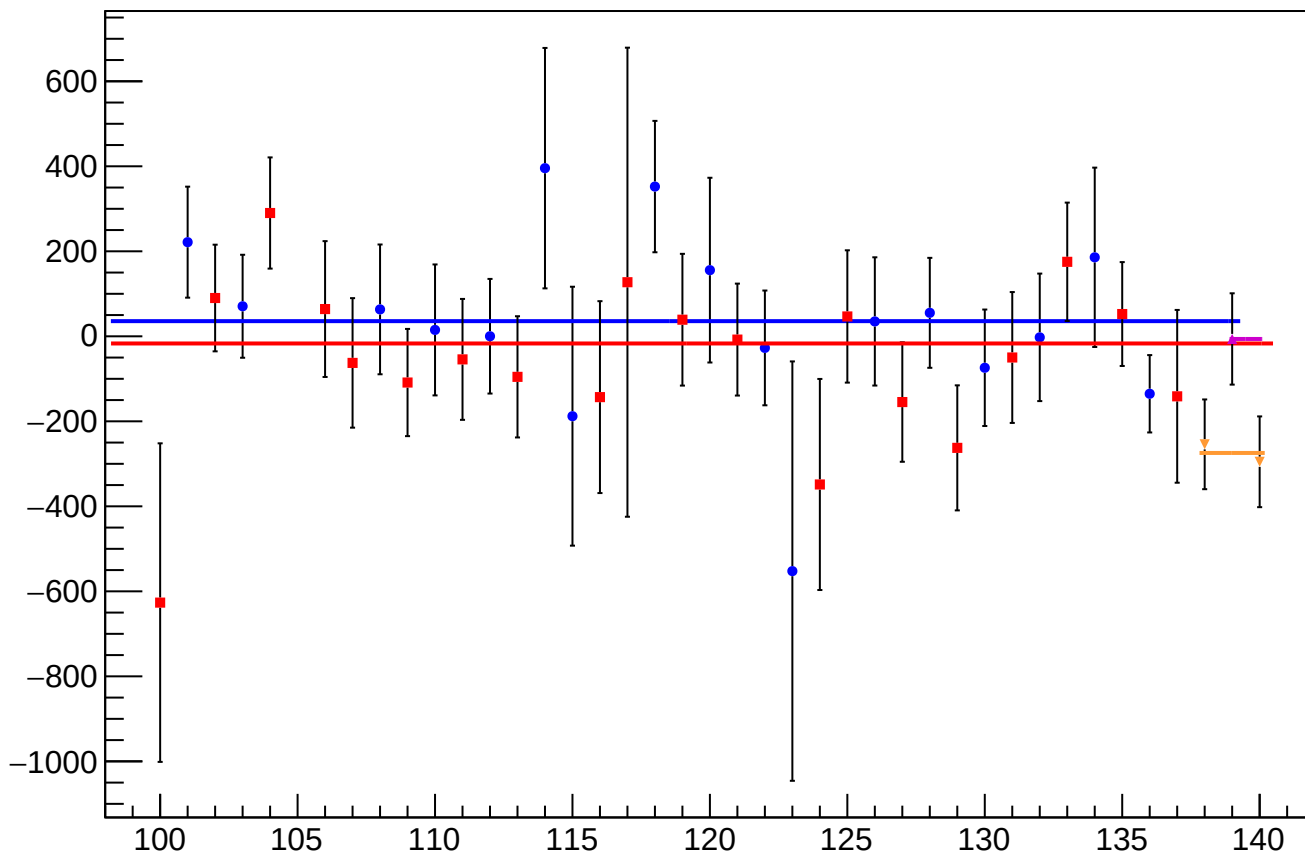
Left In: 1464.374 $\pm$ 1.220 χ^2 /NDF: 0.0/0

1262.923 $\pm$ 0.327 χ^2 /NDF: 1270325.1/18

1253.425 $\pm$ 0.232 χ^2 /NDF: 2666413.7/39

1243.761 $\pm$ 0.330 χ^2 /NDF: 1394383.5/20

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -274.437+/-75.064 χ^2/NDF : 0.1/1

Right Out: -16.849+/-34.623 χ^2/NDF : 19.0/19

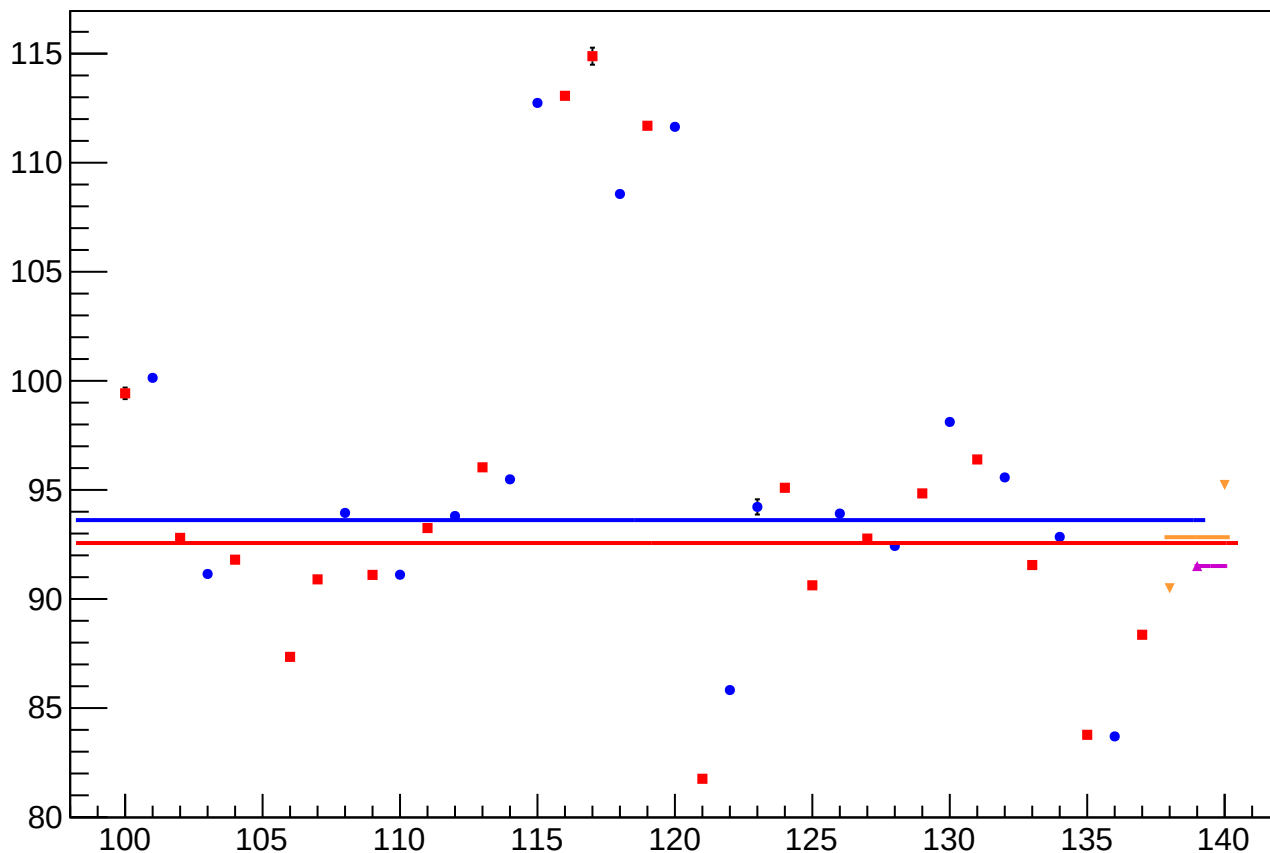
Left In: -6.238+/-107.428 χ^2/NDF : 0.0/0

-23.230+/-32.716 χ^2/NDF : 29.2/18

-19.567+/-23.217 χ^2/NDF : 48.2/39

-15.850+/-32.954 χ^2/NDF : 19.0/20

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 92.833+/-0.053 χ^2/NDF : 1989.2/1

Right Out: 92.565+/-0.024 χ^2/NDF : 81875.5/19

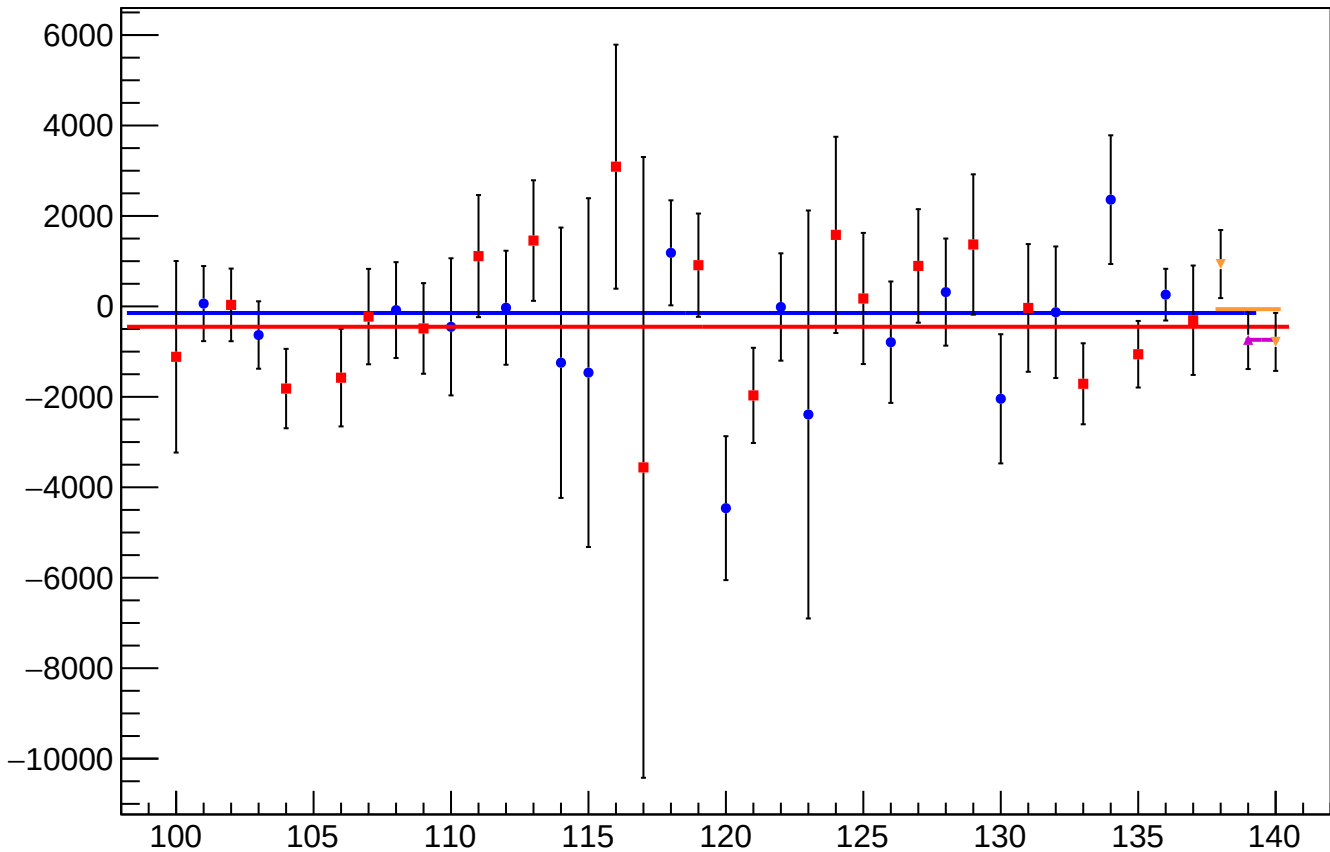
Left In: 91.511+/-0.076 χ^2/NDF : 0.0/0

93.467+/-0.023 χ^2/NDF : 82094.1/18

92.970+/-0.016 χ^2/NDF : 165073.8/39

92.466+/-0.023 χ^2/NDF : 82050.2/20

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464+/-276.629 χ^2/NDF : 15.5/16

Left Out: -60.504+/-488.117 χ^2/NDF : 3.0/1

Right Out: -450.047+/-260.089 χ^2/NDF : 19.2/19

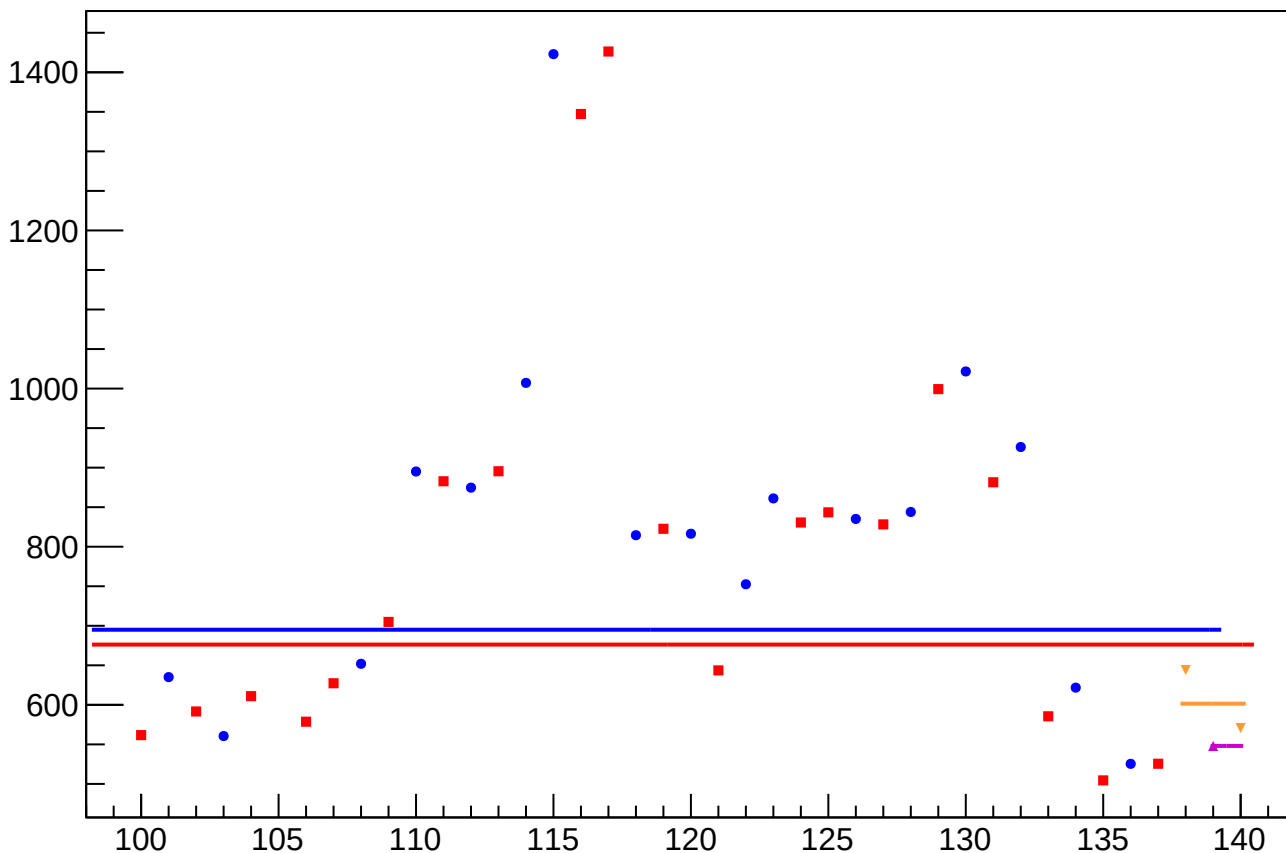
Left In: -738.636+/-646.780 χ^2/NDF : 0.0/0

-124.810+/-240.667 χ^2/NDF : 18.5/18

-307.028+/-170.404 χ^2/NDF : 39.0/39

-490.218+/-241.309 χ^2/NDF : 19.4/20

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014+/-0.196 χ^2/NDF : 677713.0/16

Left Out: 601.510+/-0.345 χ^2/NDF :11022.0/1

Right Out: 676.229+/-0.184 χ^2/NDF : 700313.6/19

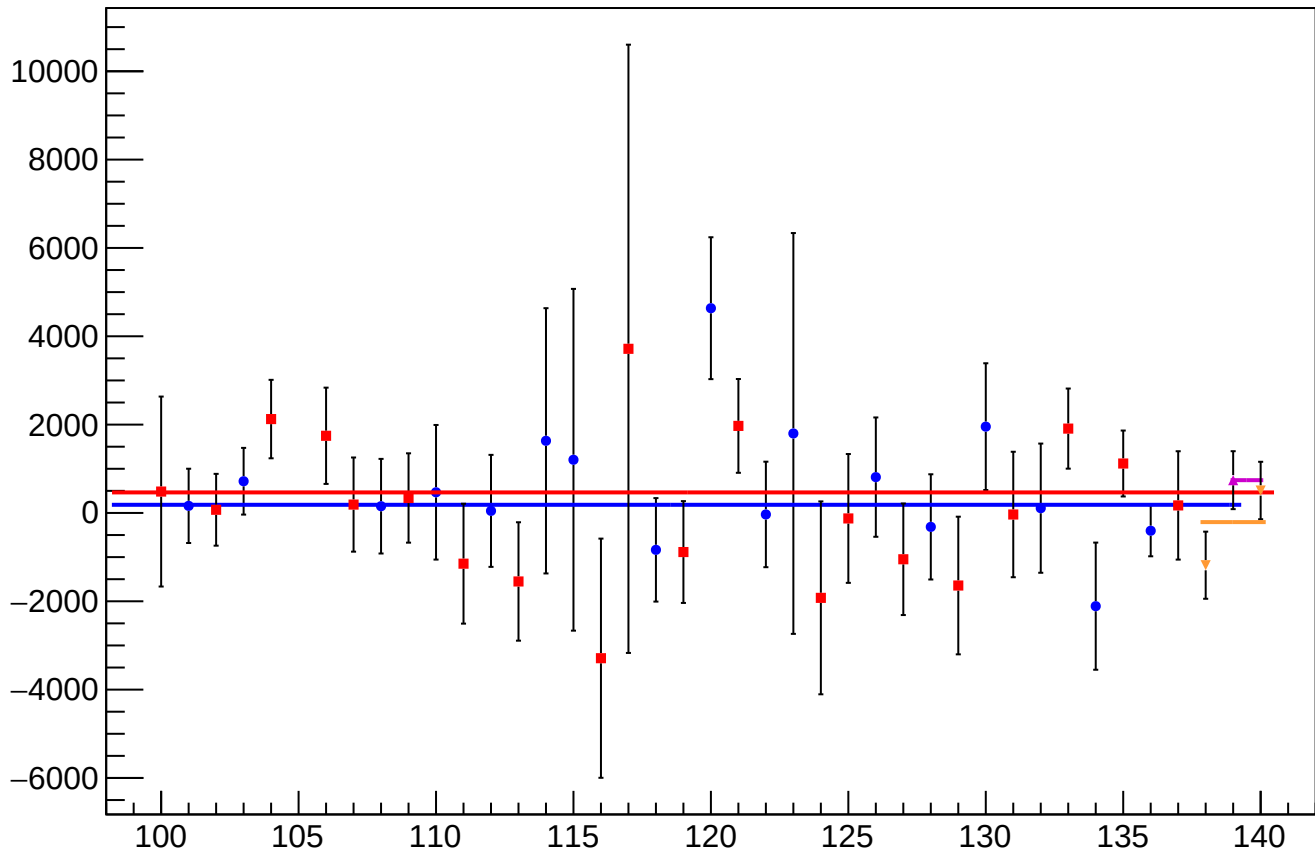
Left In: 548.050+/-0.457 χ^2/NDF :0.0/0

672.283+/-0.170 χ^2/NDF : 744283.9/18

665.354+/-0.120 χ^2/NDF : 1515540.1/39

658.387+/-0.171 χ^2/NDF : 767931.2/20

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -207.157 $\pm$ 494.151 χ^2 /NDF: 2.9/1

Right Out: 464.916 $\pm$ 262.768 χ^2 /NDF: 22.5/19

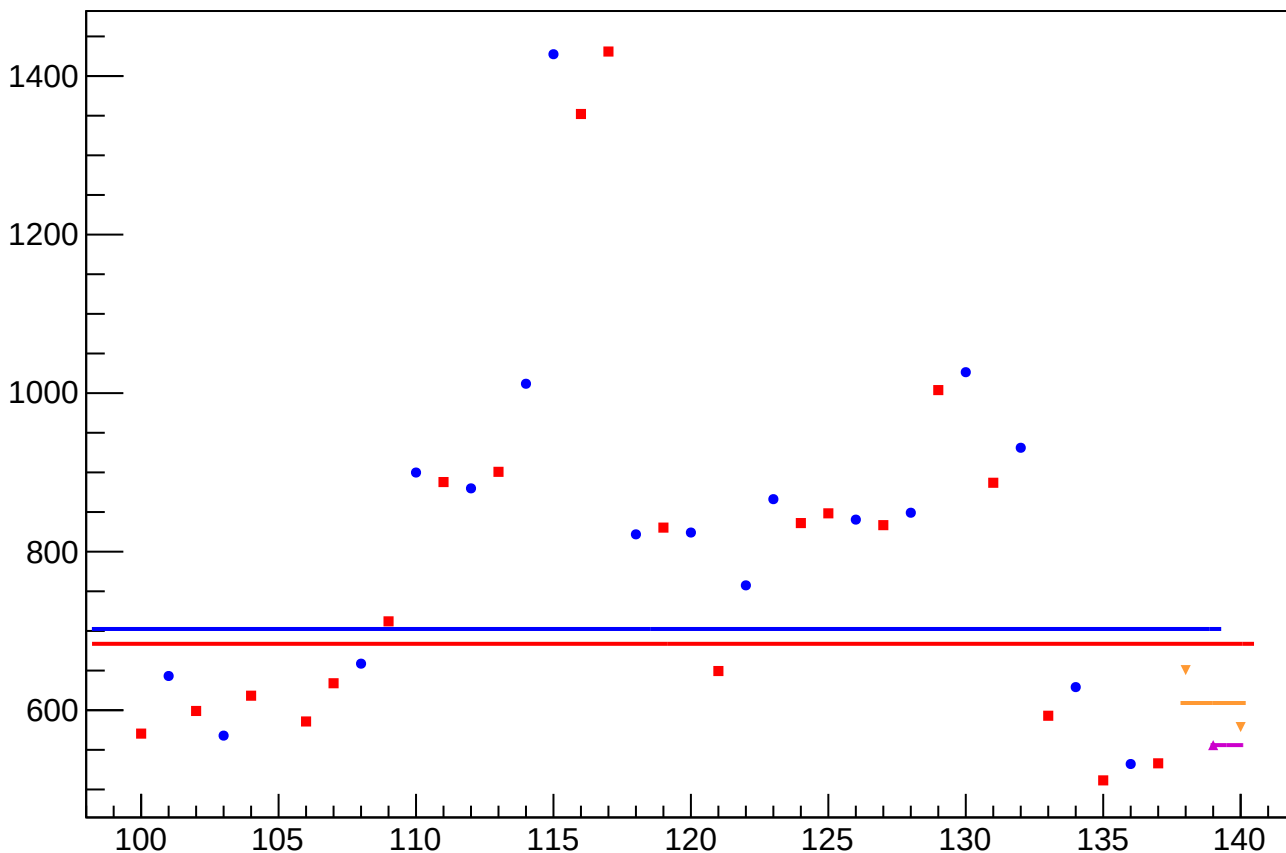
Left In: 742.112 $\pm$ 655.943 χ^2 /NDF: 0.0/0

89.641 $\pm$ 243.208 χ^2 /NDF: 18.3/18

295.837 $\pm$ 172.227 χ^2 /NDF: 42.4/39

503.248 $\pm$ 243.924 χ^2 /NDF: 22.7/20

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 609.091+/-0.349 χ^2/NDF : 10314.1/1

Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

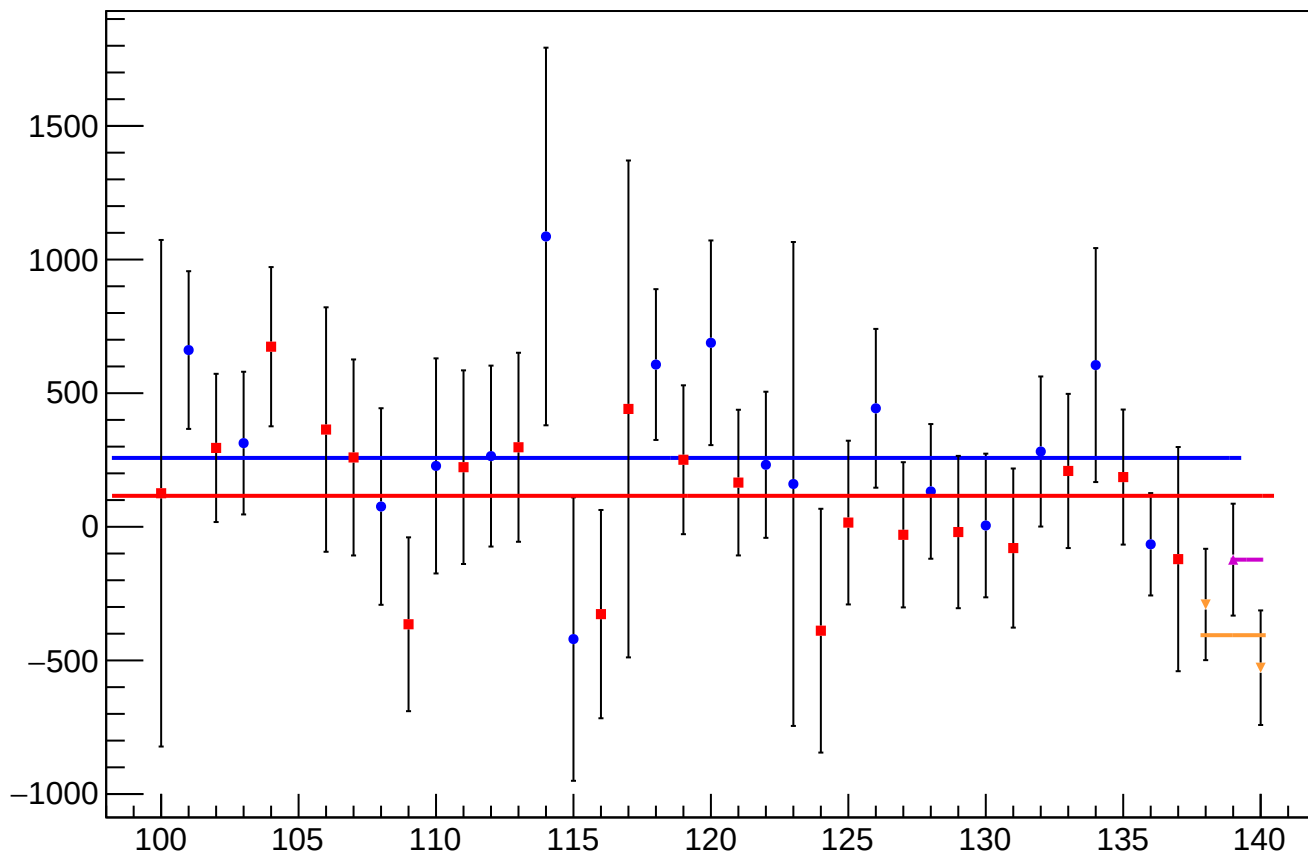
Left In: 555.968+/-0.464 χ^2/NDF : 0.0/0

679.849+/-0.172 χ^2/NDF : 724956.8/18

672.985+/-0.122 χ^2/NDF : 1476662.1/39

666.081+/-0.172 χ^2/NDF : 748509.7/20

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: -405.559 $\pm$ 149.387 χ^2 /NDF: 0.6/1

Right Out: 115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

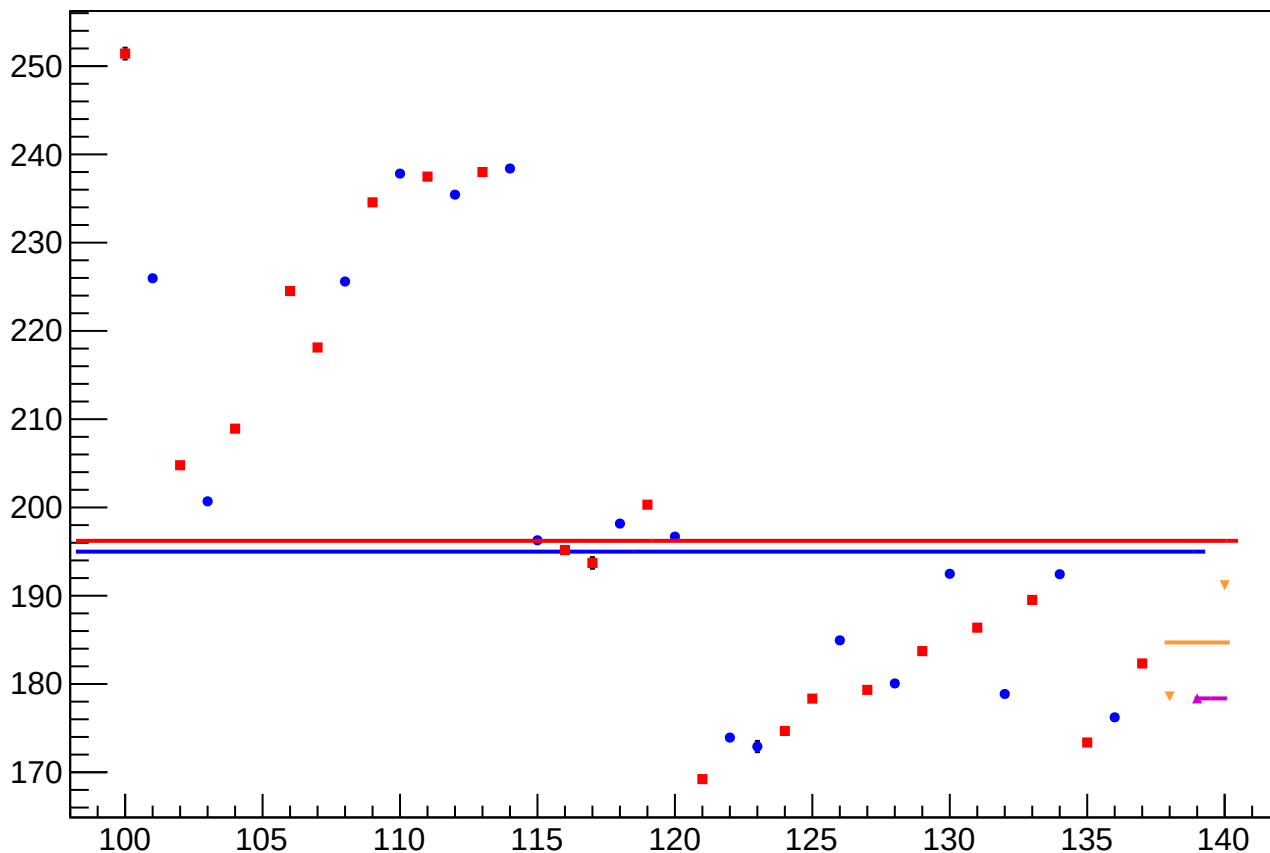
Left In: -122.938 $\pm$ 209.351 χ^2 /NDF: 0.0/0

121.543 $\pm$ 67.689 χ^2 /NDF: 29.3/18

105.957 $\pm$ 48.575 χ^2 /NDF: 41.9/39

89.409 $\pm$ 69.749 χ^2 /NDF: 12.5/20

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: 184.706 $\pm$ 0.106 χ^2 /NDF: 3549.9/1

Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

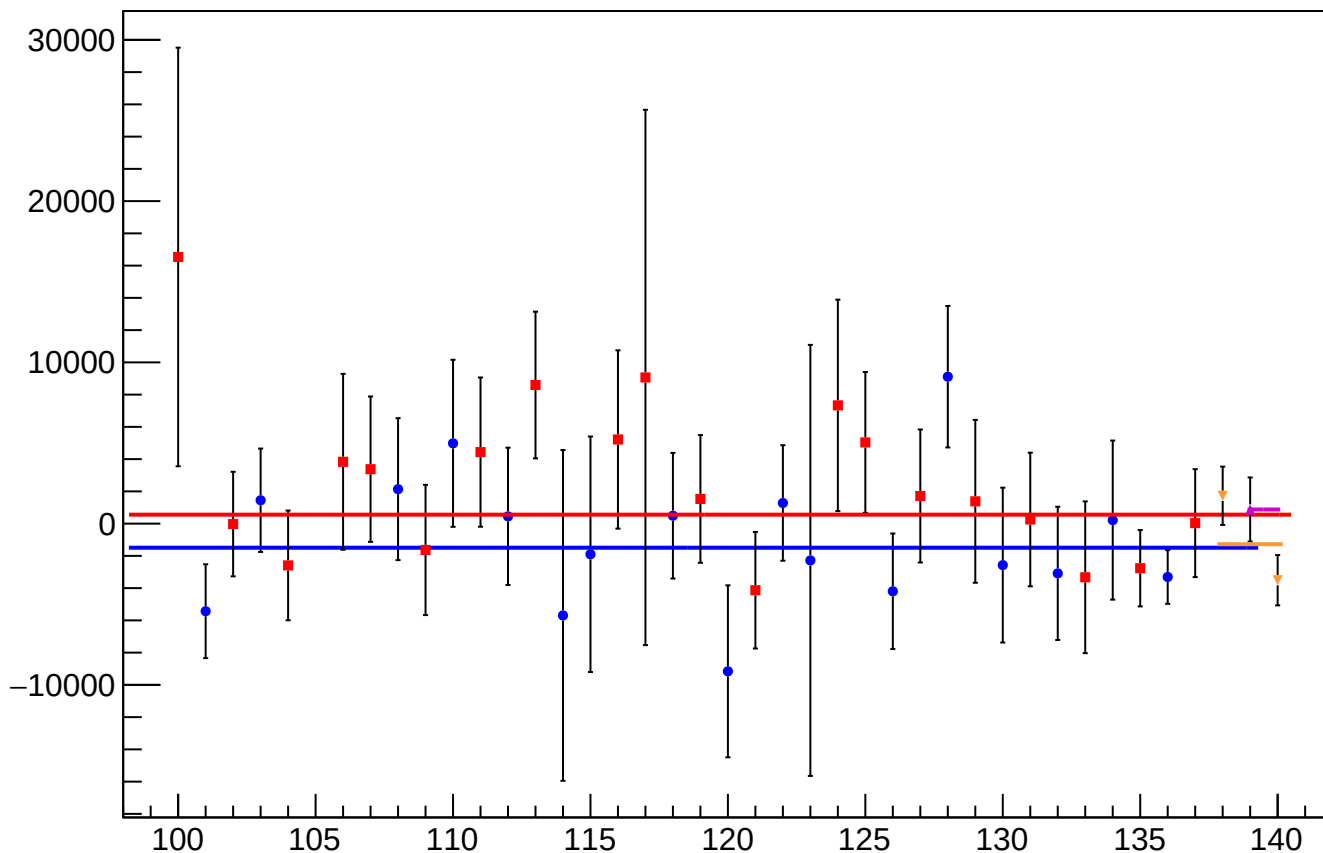
Left In: 178.366 $\pm$ 0.148 χ^2 /NDF: 0.0/0

192.882 $\pm$ 0.048 χ^2 /NDF: 155359.7/18

193.539 $\pm$ 0.034 χ^2 /NDF: 342185.4/39

194.237 $\pm$ 0.049 χ^2 /NDF: 186436.9/20

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: -1275.506 $\pm$ 1181.111 χ^2 /NDF: 4.8/1

Right Out: 555.744 $\pm$ 933.239 χ^2 /NDF: 14.9/19

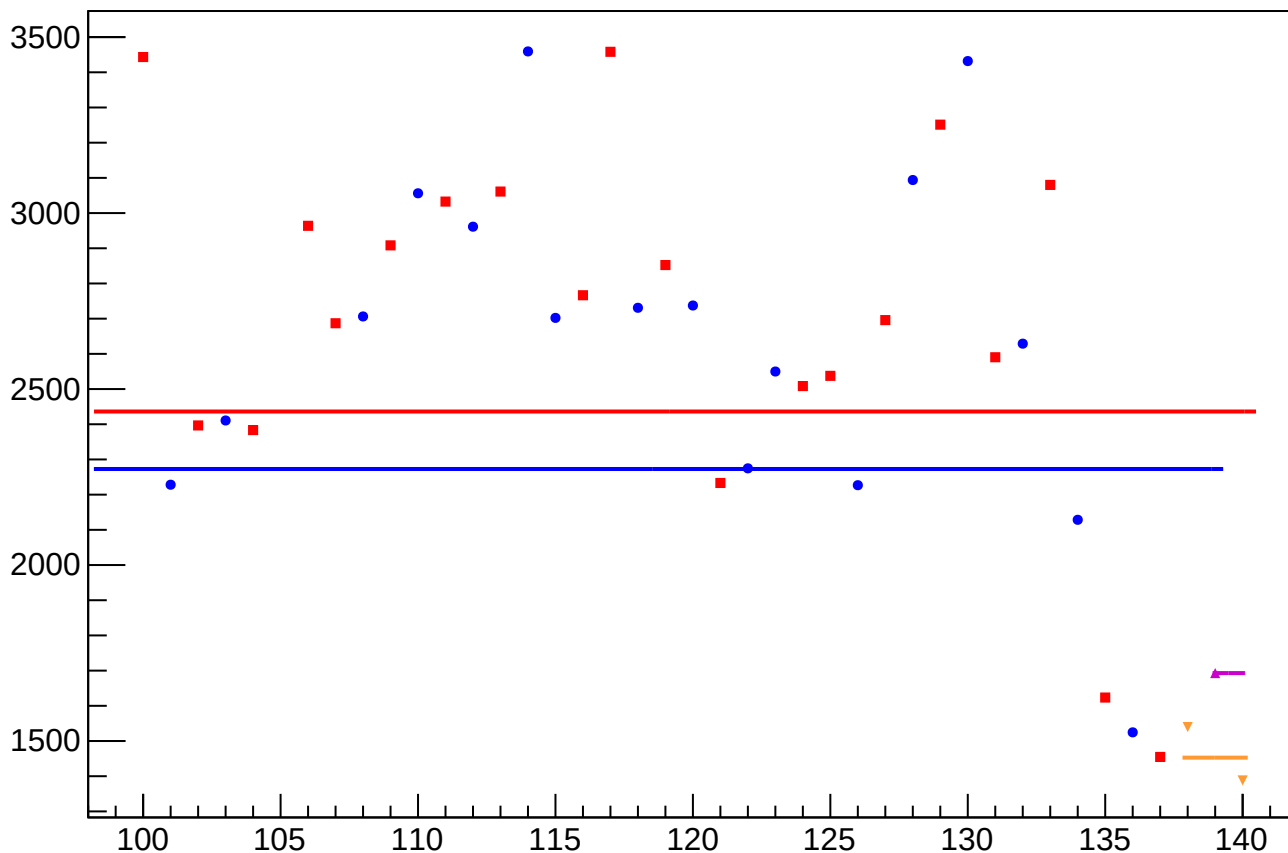
Left In: 876.320 $\pm$ 1987.396 χ^2 /NDF: 0.0/0

-1412.067 $\pm$ 721.273 χ^2 /NDF: 21.0/18

-557.928 $\pm$ 548.526 χ^2 /NDF: 39.2/39

613.662 $\pm$ 844.740 χ^2 /NDF: 14.9/20

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1452.740+/-0.835 χ^2/NDF : 8061.5/1

Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

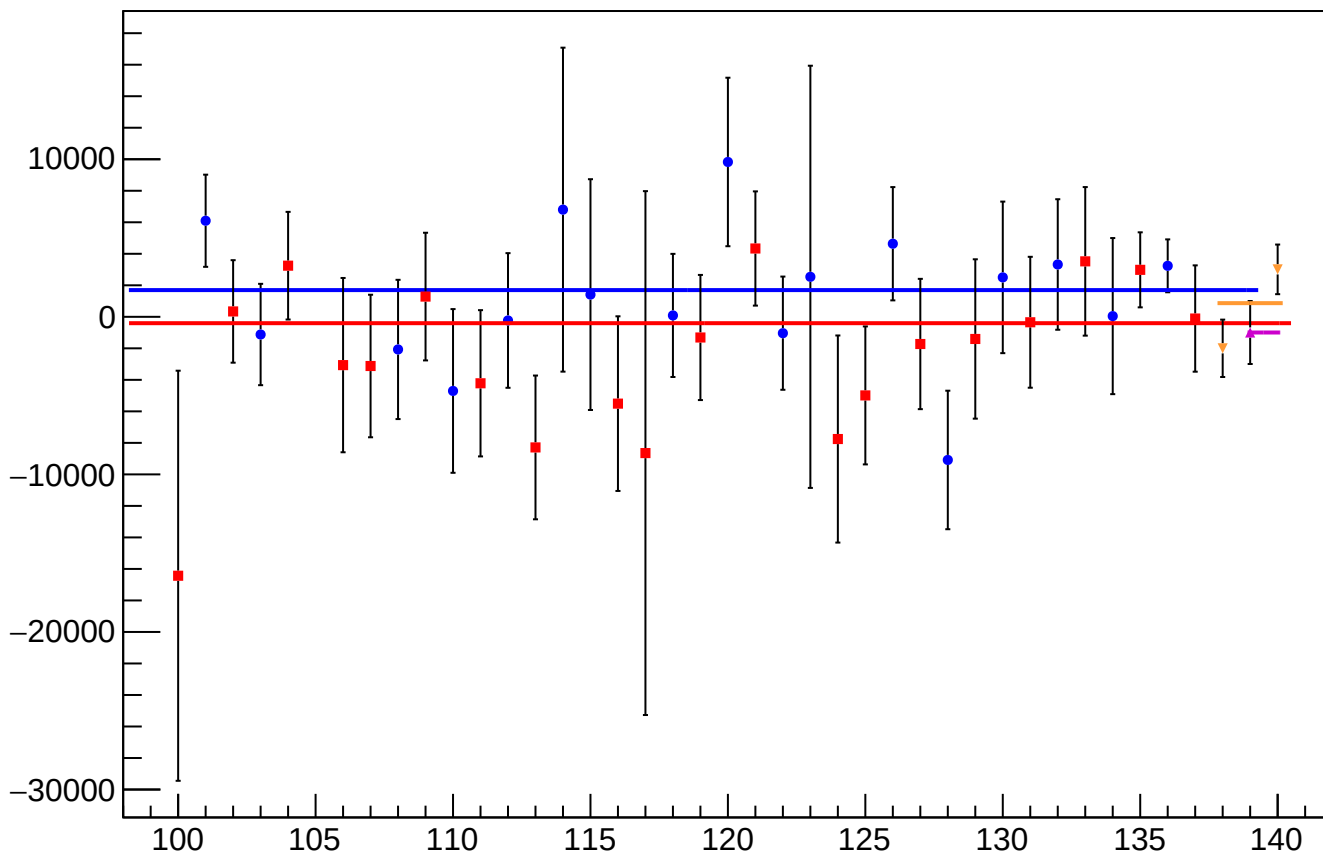
Left In: 1692.990+/-1.405 χ^2/NDF : 0.0/0

1967.034+/-0.510 χ^2/NDF : 1418425.7/18

2108.237+/-0.388 χ^2/NDF : 2517765.3/39

2301.920+/-0.597 χ^2/NDF : 917548.9/20

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 867.606 $\pm$ 1191.127 χ^2 /NDF: 4.3/1

Right Out: -403.904 $\pm$ 937.036 χ^2 /NDF: 15.2/19

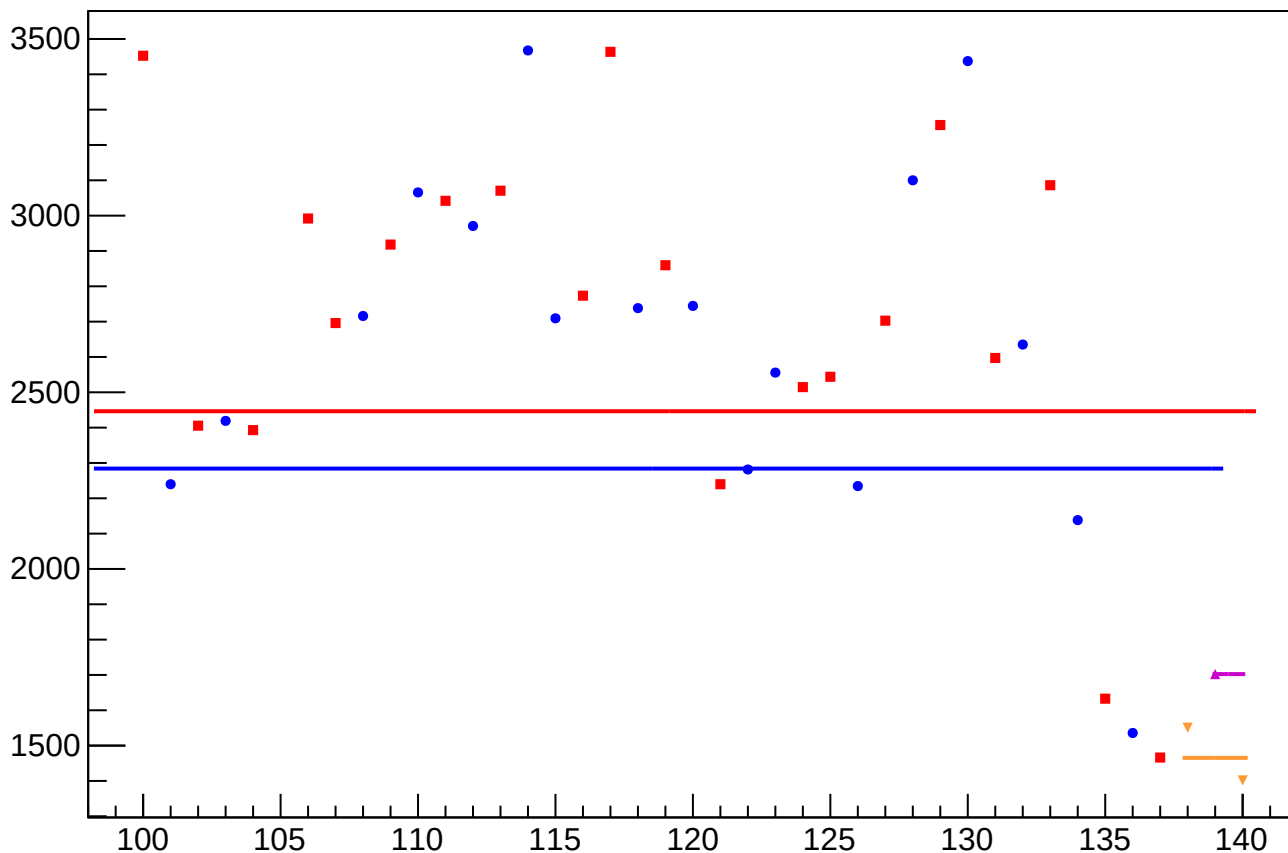
Left In: -995.577 $\pm$ 1998.422 χ^2 /NDF: 0.0/0

1388.609 $\pm$ 725.547 χ^2 /NDF: 21.3/18

586.375 $\pm$ 551.407 χ^2 /NDF: 39.4/39

-510.541 $\pm$ 848.402 χ^2 /NDF: 15.3/20

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1465.357+/-0.842 χ^2/NDF : 7681.3/1

Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

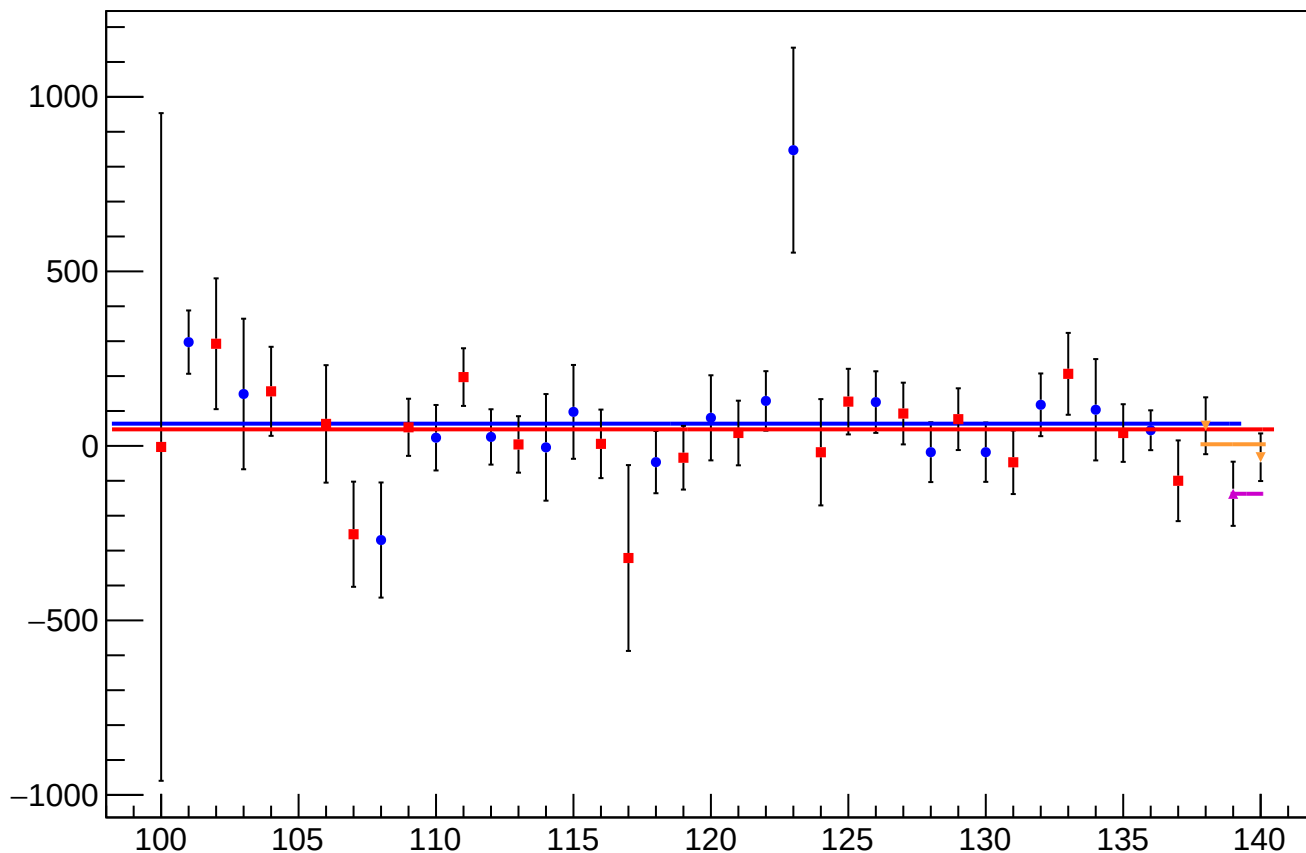
Left In: 1702.392+/-1.413 χ^2/NDF : 0.0/0

1980.320+/-0.513 χ^2/NDF : 1396020.2/18

2120.545+/-0.390 χ^2/NDF : 2480513.4/39

2312.279+/-0.600 χ^2/NDF : 907641.5/20

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: 4.685 $\pm$ 52.304 χ^2 /NDF: 0.7/1

Right Out: 47.367 $\pm$ 23.568 χ^2 /NDF: 18.7/19

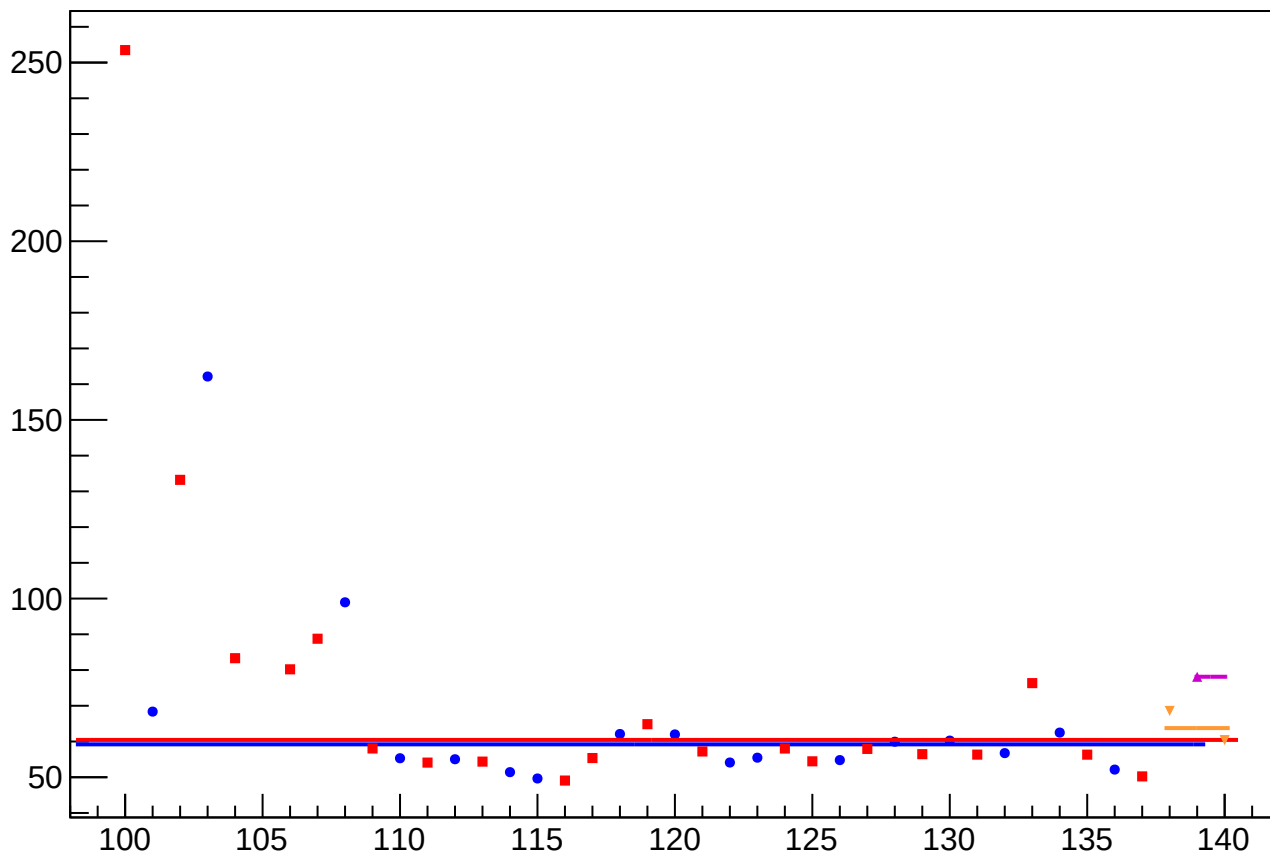
Left In: -137.194 $\pm$ 91.929 χ^2 /NDF: 0.0/0

53.589 $\pm$ 21.619 χ^2 /NDF: 25.4/18

45.266 $\pm$ 15.698 χ^2 /NDF: 48.3/39

35.985 $\pm$ 22.830 χ^2 /NDF: 22.5/20

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 63.752 $\pm$ 0.037 χ^2 /NDF: 11833.3/1

Right Out: 60.443 $\pm$ 0.017 χ^2 /NDF: 680790.3/19

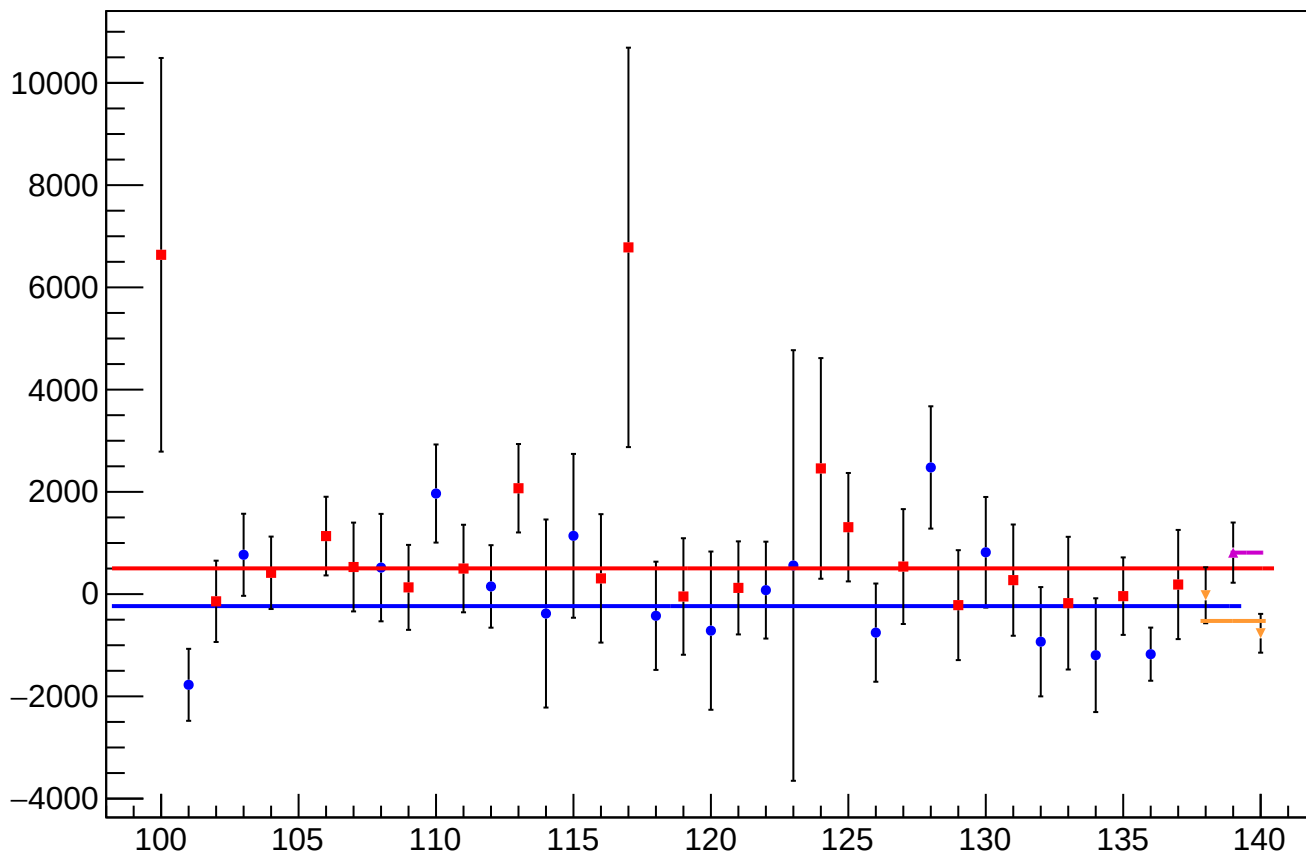
Left In: 78.121 $\pm$ 0.065 χ^2 /NDF: 0.0/0

59.978 $\pm$ 0.015 χ^2 /NDF: 689861.9/18

60.713 $\pm$ 0.011 χ^2 /NDF: 1444943.0/39

61.533 $\pm$ 0.016 χ^2 /NDF: 750186.7/20

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -524.750 ± 311.813 χ^2/NDF : 1.2/1

Right Out: 503.638 ± 221.955 χ^2/NDF : 13.2/19

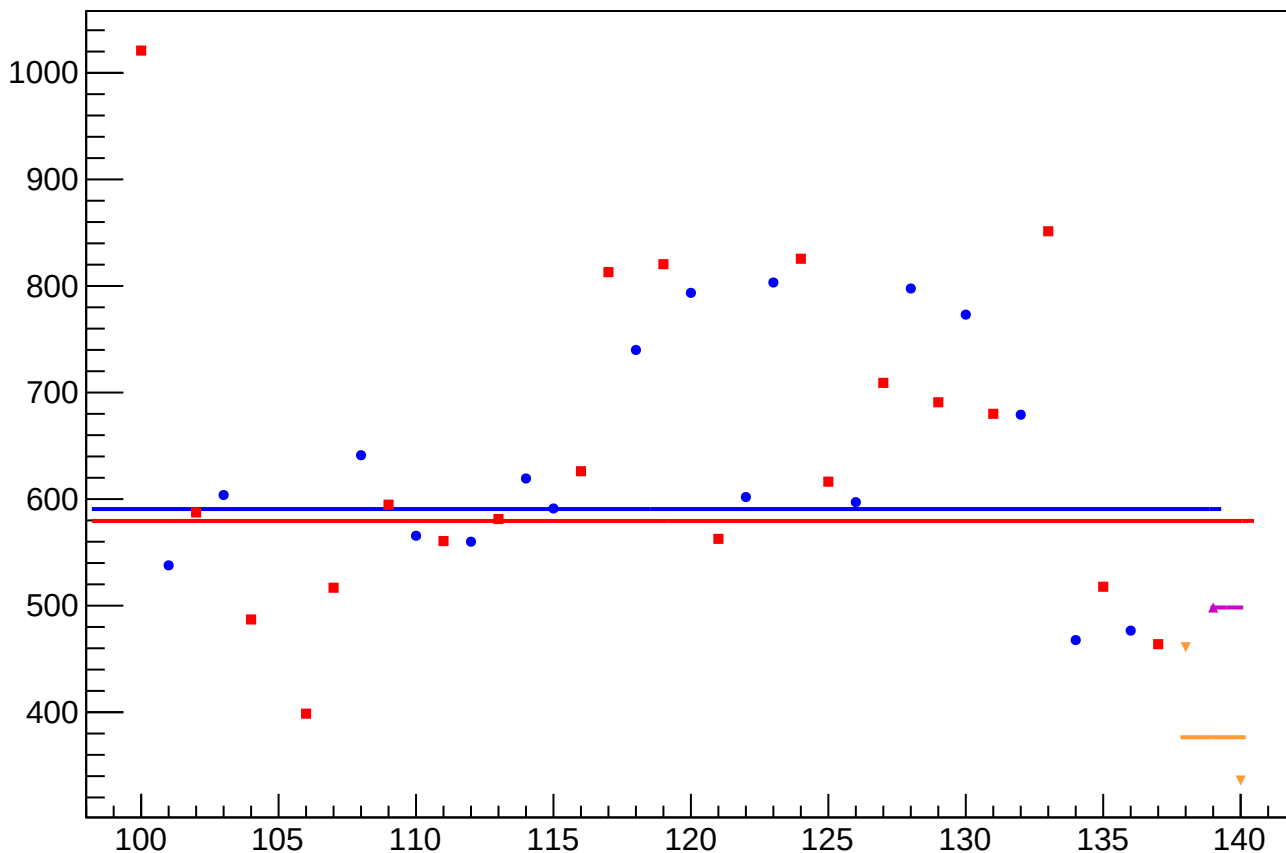
Left In: 811.620 ± 588.693 χ^2/NDF : 0.0/0

-338.996 ± 187.098 χ^2/NDF : 26.0/18

55.674 ± 139.008 χ^2/NDF : 49.3/39

541.969 ± 207.684 χ^2/NDF : 13.4/20

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 376.491+/-0.220 χ^2/NDF : 70543.5/1

Right Out: 579.509+/-0.157 χ^2/NDF : 501132.1/19

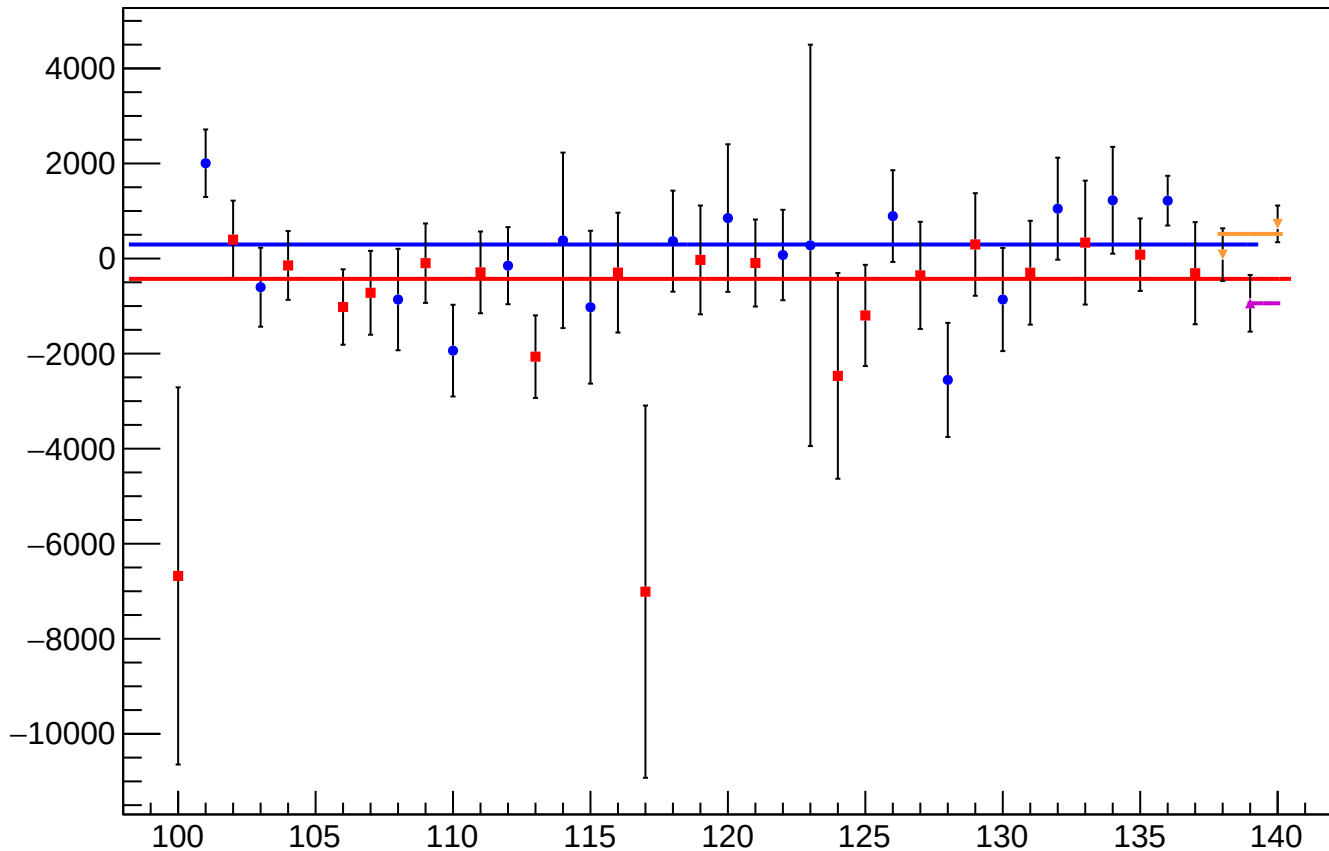
Left In: 498.282+/-0.416 χ^2/NDF : 0.0/0

513.550+/-0.132 χ^2/NDF : 1026440.7/18

538.570+/-0.098 χ^2/NDF : 1640746.7/39

569.399+/-0.147 χ^2/NDF : 534469.3/20

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 ± 235.860 χ^2/NDF : 26.1/16

Left Out: 517.905 ± 316.391 χ^2/NDF : 0.9/1

Right Out: -427.853 ± 224.485 χ^2/NDF : 13.8/19

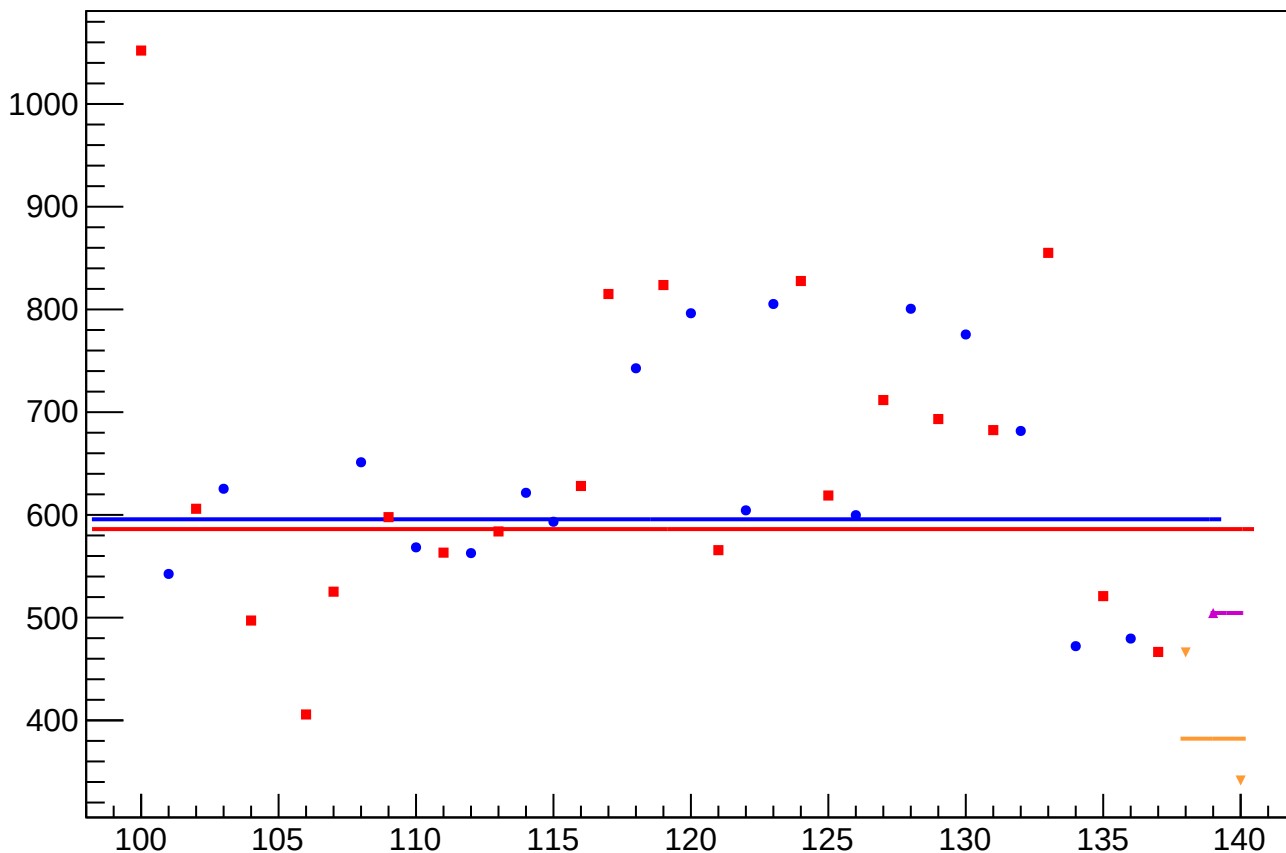
Left In: -941.814 ± 595.945 χ^2/NDF : 0.0/0

374.883 ± 189.099 χ^2/NDF : 27.3/18

-13.004 ± 140.546 χ^2/NDF : 51.2/39

-491.719 ± 210.075 χ^2/NDF : 14.5/20

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734+/-0.167 χ^2/NDF : 350058.2/16

Left Out: 382.177+/-0.224 χ^2/NDF : 68316.4/1

Right Out: 586.176+/-0.159 χ^2/NDF : 481325.4/19

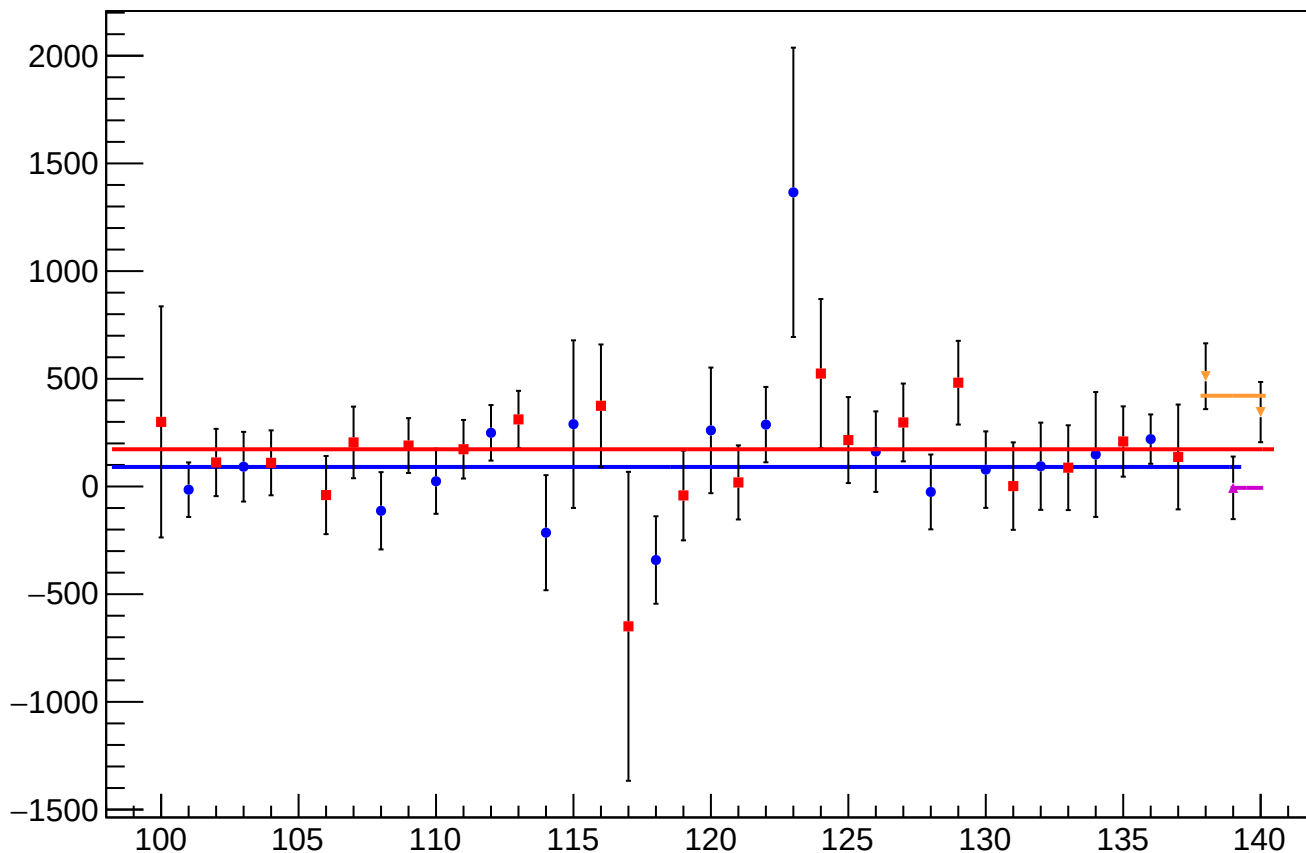
Left In: 504.497+/-0.421 χ^2/NDF : 0.0/0

519.448+/-0.134 χ^2/NDF : 1004073.5/18

544.772+/-0.099 χ^2/NDF : 1598436.9/39

576.026+/-0.149 χ^2/NDF : 514226.3/20

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 421.386+/-103.154 χ^2/NDF : 0.6/1

Right Out: 172.786+/-41.033 χ^2/NDF : 11.6/19

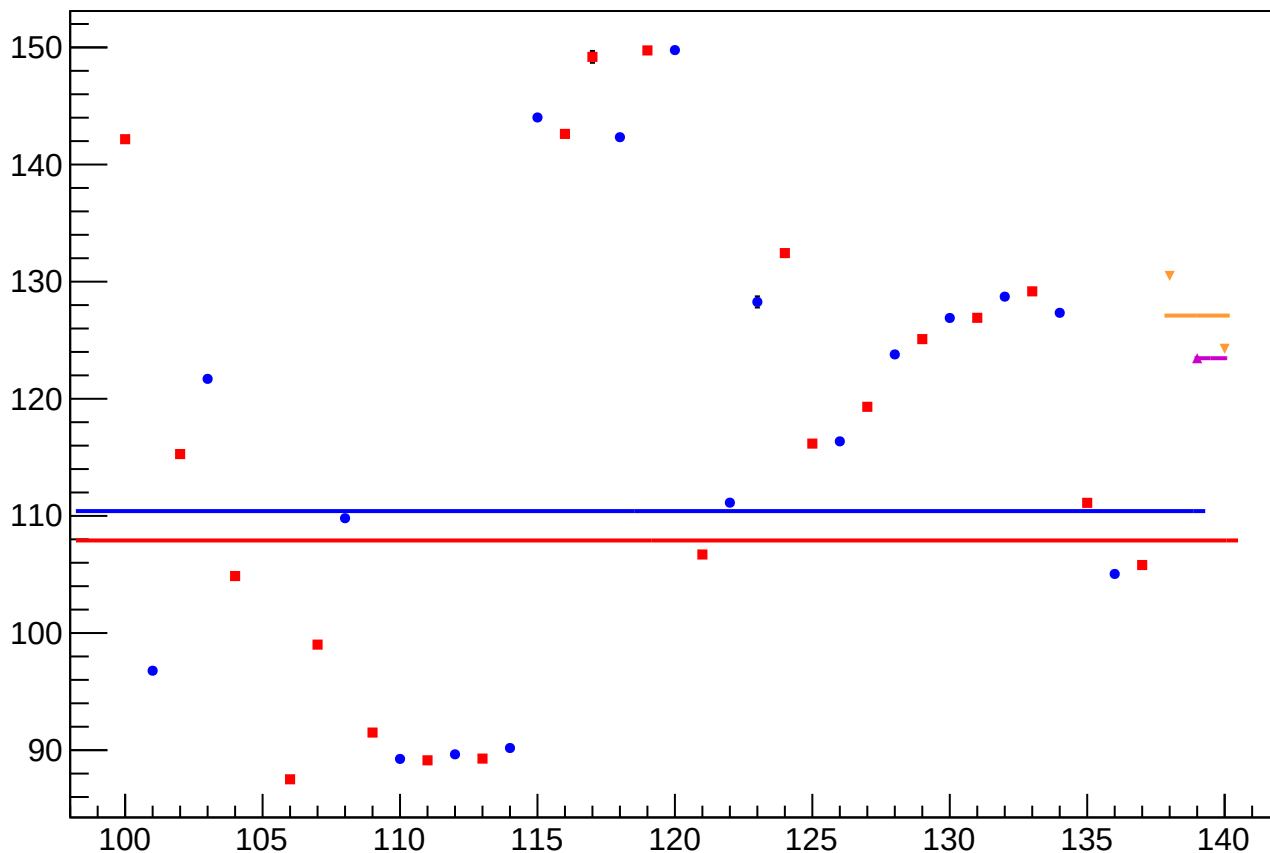
Left In: -6.287+/-145.246 χ^2/NDF : 0.0/0

140.271+/-39.935 χ^2/NDF : 26.3/18

150.019+/-28.079 χ^2/NDF : 39.4/39

159.550+/-39.488 χ^2/NDF : 13.0/20

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 127.105 $\pm$ 0.073 χ^2 /NDF:1803.1/1

Right Out: 107.903 $\pm$ 0.029 χ^2 /NDF: 351091.4/19

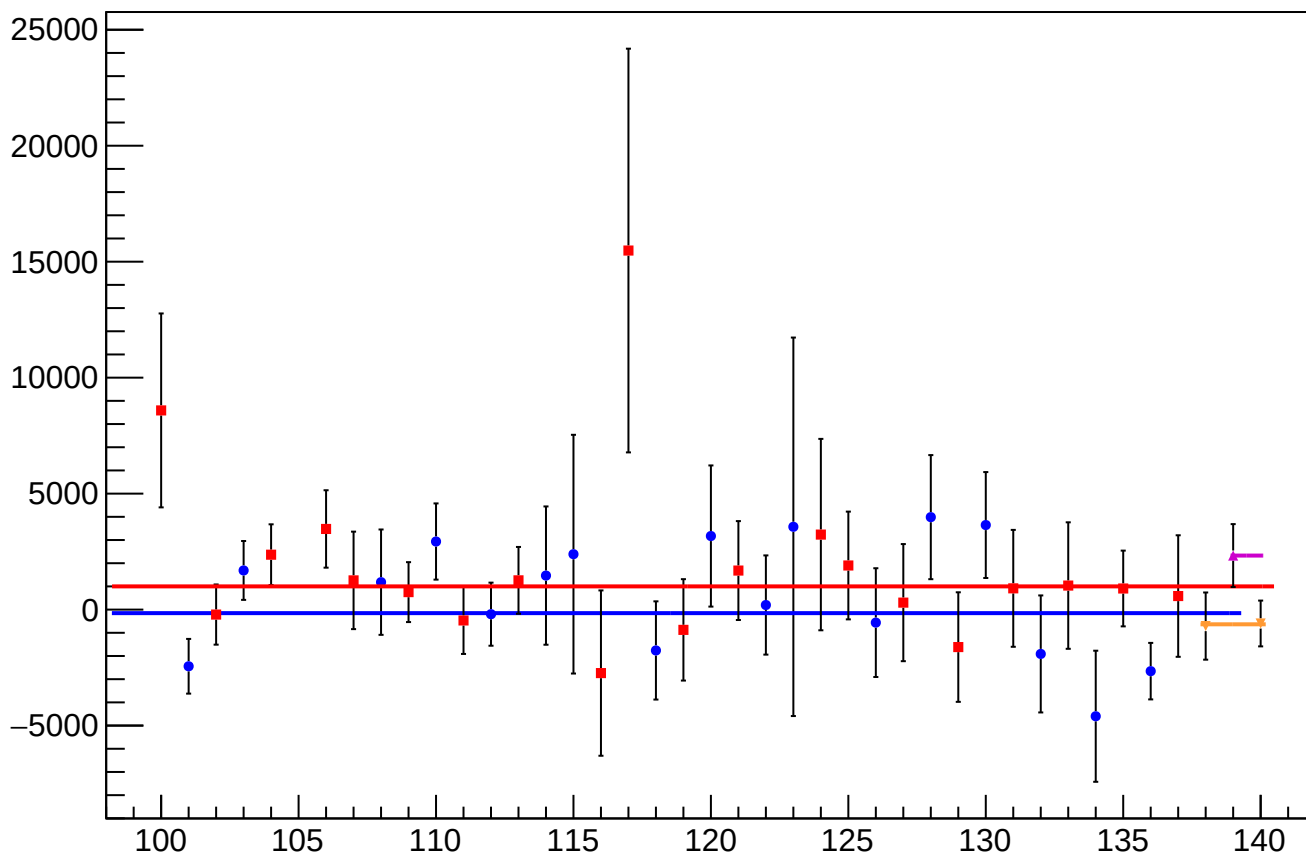
Left In: 123.464 $\pm$ 0.103 χ^2 /NDF:0.0/0

112.913 $\pm$ 0.028 χ^2 /NDF: 342755.8/18

110.962 $\pm$ 0.020 χ^2 /NDF: 724553.1/39

109.054 $\pm$ 0.028 χ^2 /NDF: 372350.9/20

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403+/-464.753 χ^2/NDF : 24.7/16

Left Out: -634.012+/-815.692 χ^2/NDF : 0.0/1

Right Out: 1000.907+/-434.569 χ^2/NDF : 15.1/19

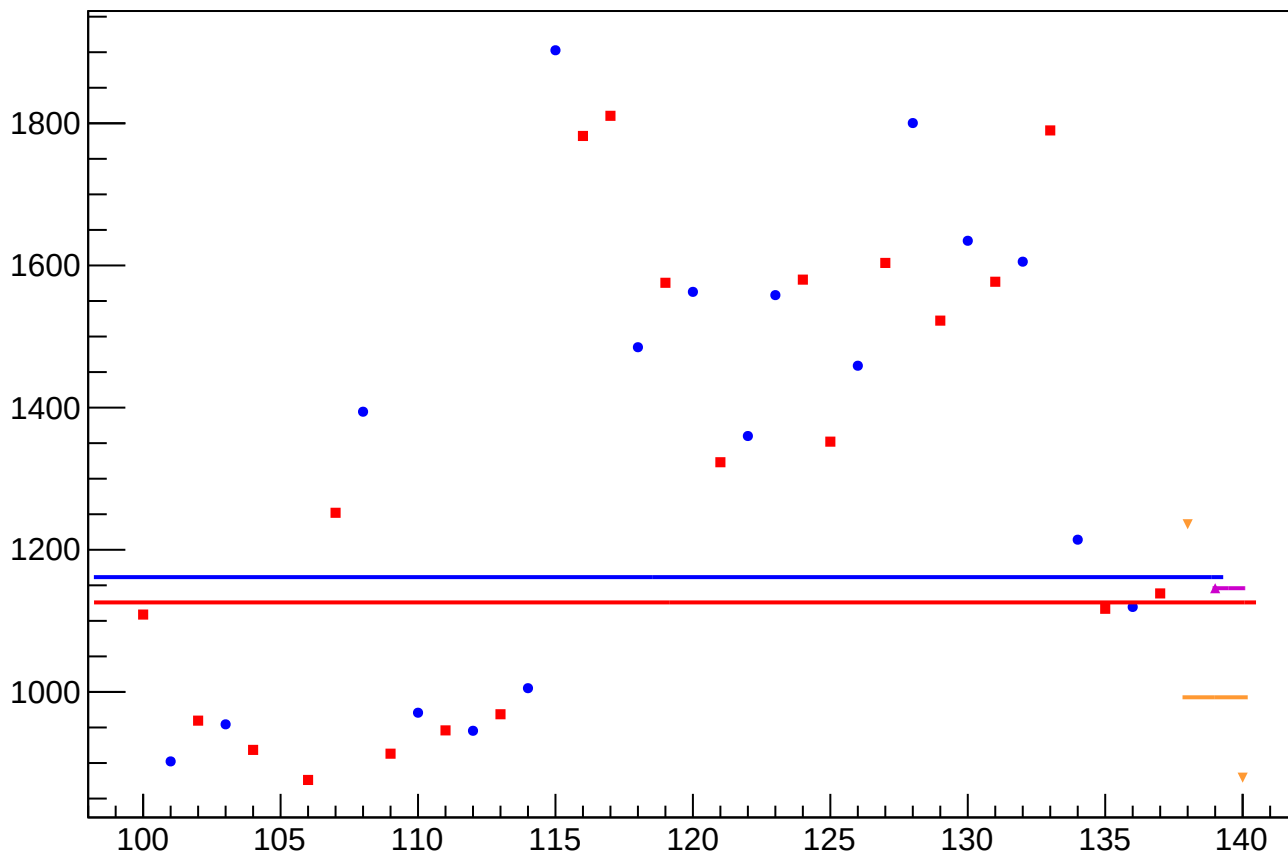
Left In: 2329.480+/-1356.482 χ^2/NDF : 0.0/0

-270.433+/-403.807 χ^2/NDF : 24.9/18

409.938+/-289.020 χ^2/NDF : 46.7/39

1124.571+/-413.850 χ^2/NDF : 15.9/20

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: 992.470 $\pm$ 0.577 χ^2 /NDF:82741.8/1

Right Out: 1125.946 $\pm$ 0.307 χ^2 /NDF: 780195.3/19

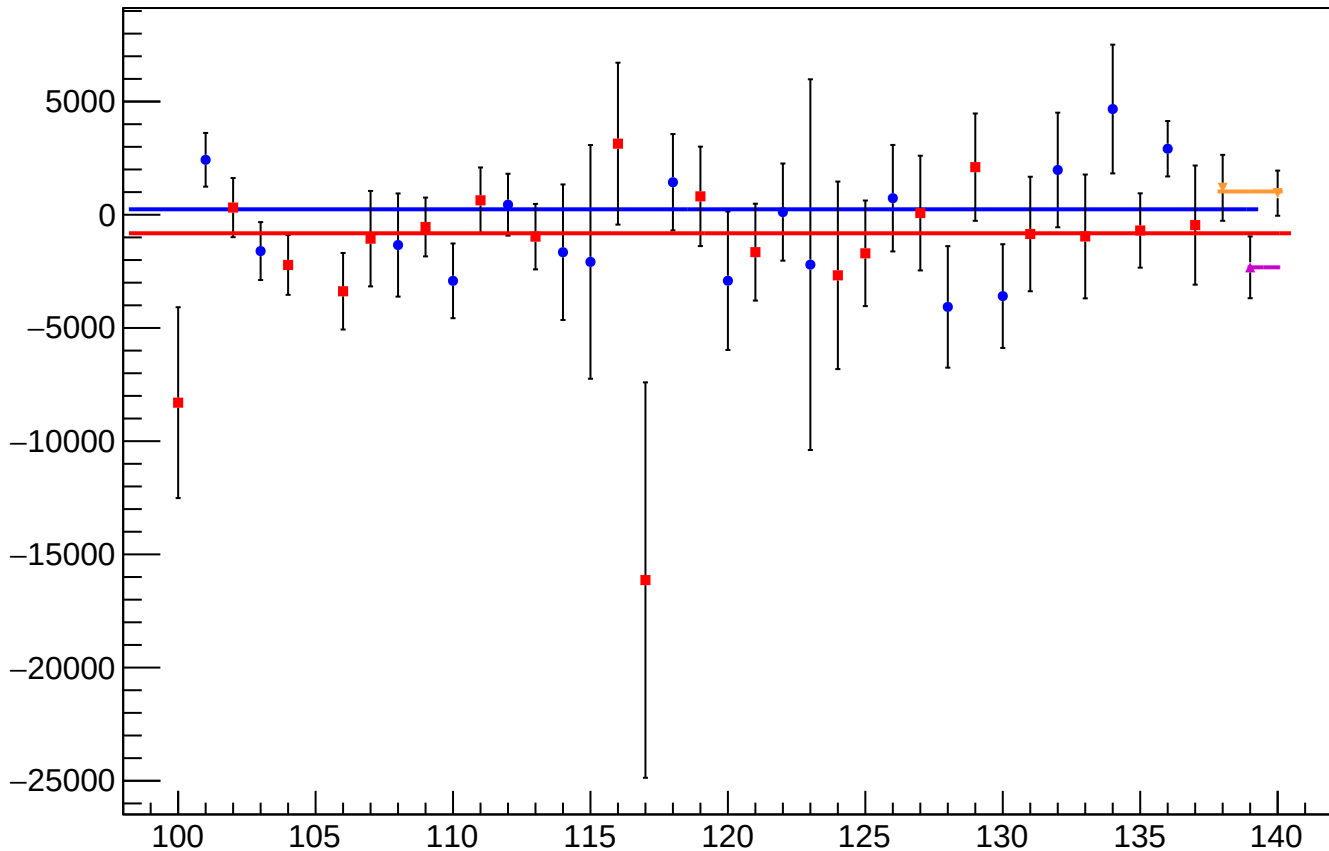
Left In: 1145.936 $\pm$ 0.959 χ^2 /NDF:0.0/0

1120.098 $\pm$ 0.286 χ^2 /NDF: 843506.9/18

1123.858 $\pm$ 0.204 χ^2 /NDF: 1624451.6/39

1127.806 $\pm$ 0.293 χ^2 /NDF: 780589.2/20

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1028.026 $\pm$ 822.829 χ^2 /NDF: 0.0/1

Right Out: -817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

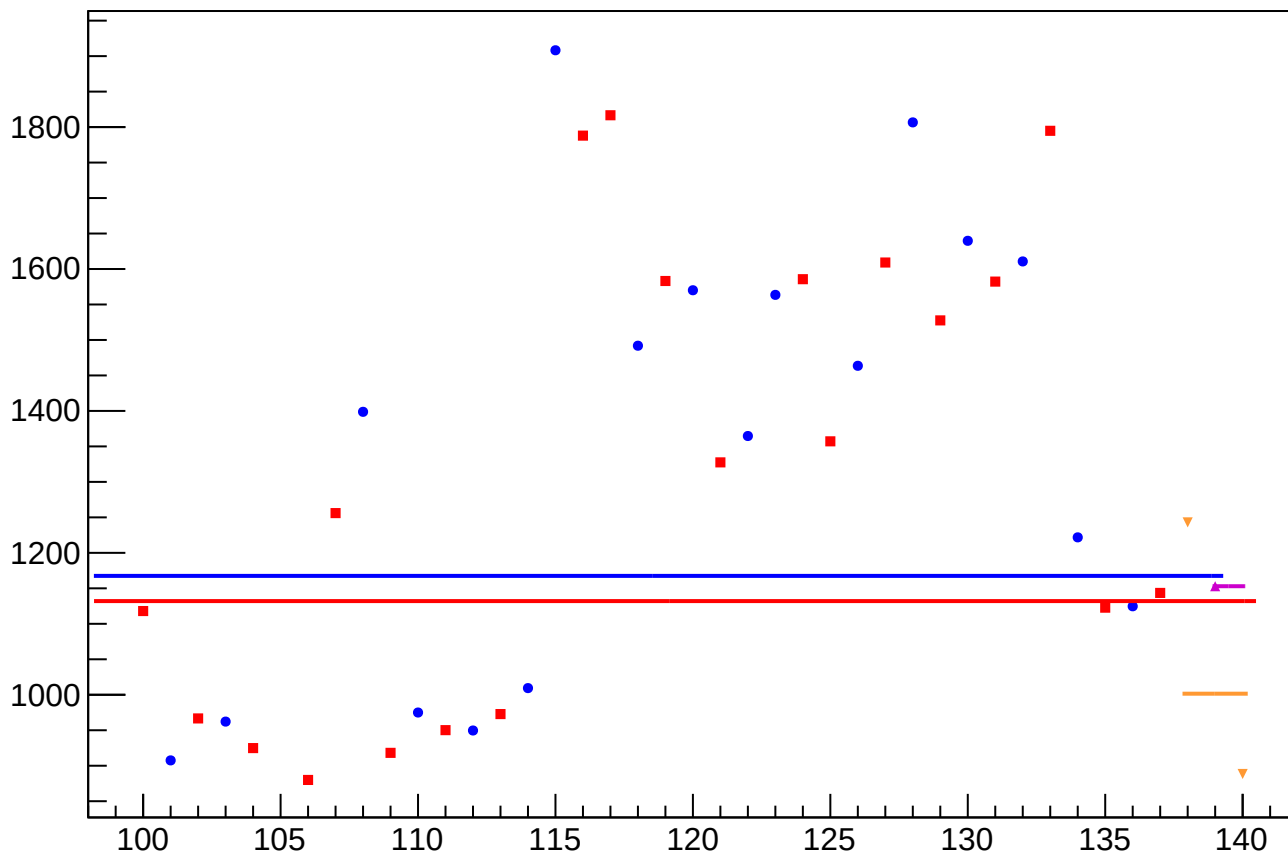
Left In: -2321.863 $\pm$ 1364.608 χ^2 /NDF: 0.0/0

432.569 $\pm$ 406.169 χ^2 /NDF: 25.5/18

-245.640 $\pm$ 290.662 χ^2 /NDF: 47.8/39

-957.514 $\pm$ 416.128 χ^2 /NDF: 16.5/20

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 1001.517 $\pm$ 0.582 χ^2 /NDF: 80683.4/1

Right Out: 1132.019 $\pm$ 0.309 χ^2 /NDF: 773827.8/19

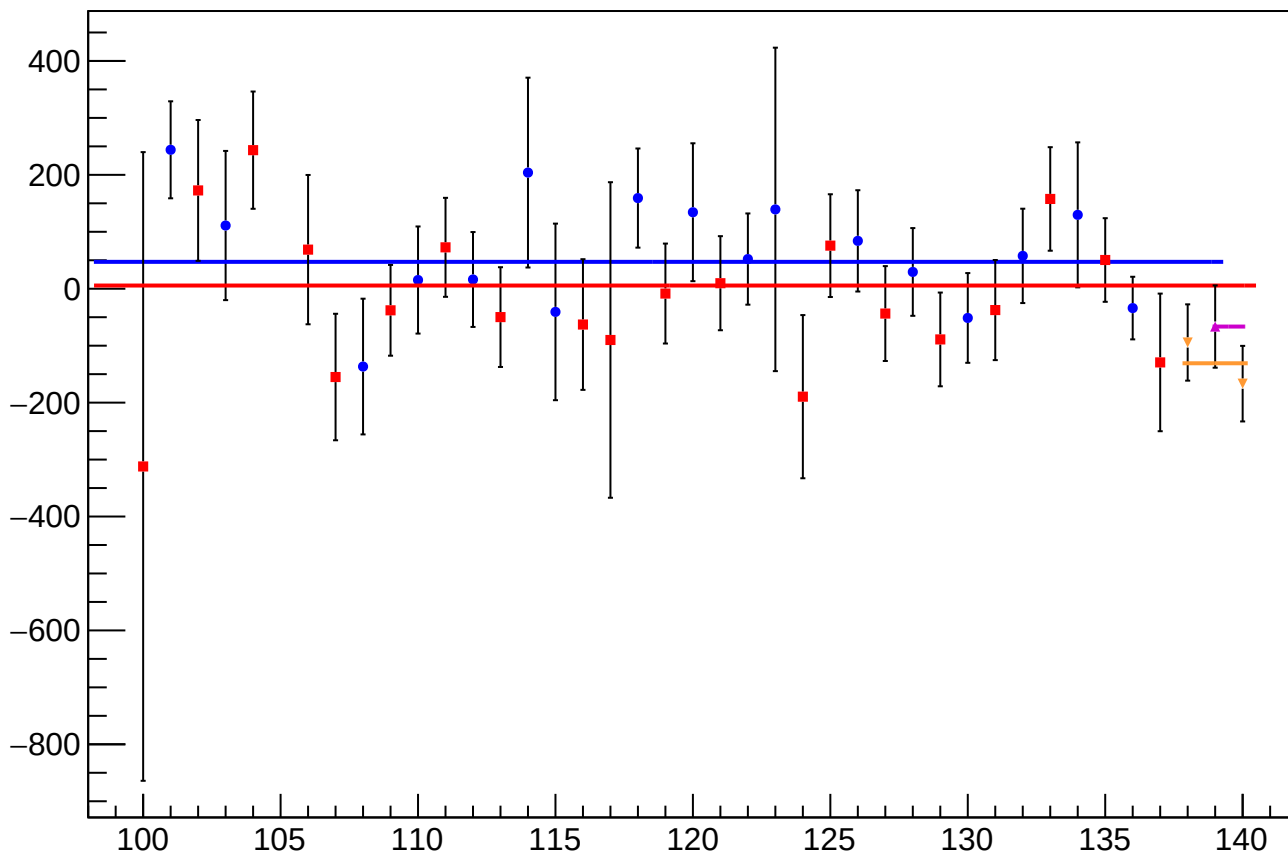
Left In: 1152.974 $\pm$ 0.965 χ^2 /NDF: 0.0/0

1127.085 $\pm$ 0.287 χ^2 /NDF: 832751.2/18

1130.443 $\pm$ 0.206 χ^2 /NDF: 1607286.9/39

1133.968 $\pm$ 0.294 χ^2 /NDF: 774255.5/20

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: -130.880 $\pm$ 47.145 χ^2 /NDF: 0.6/1

Right Out: 5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

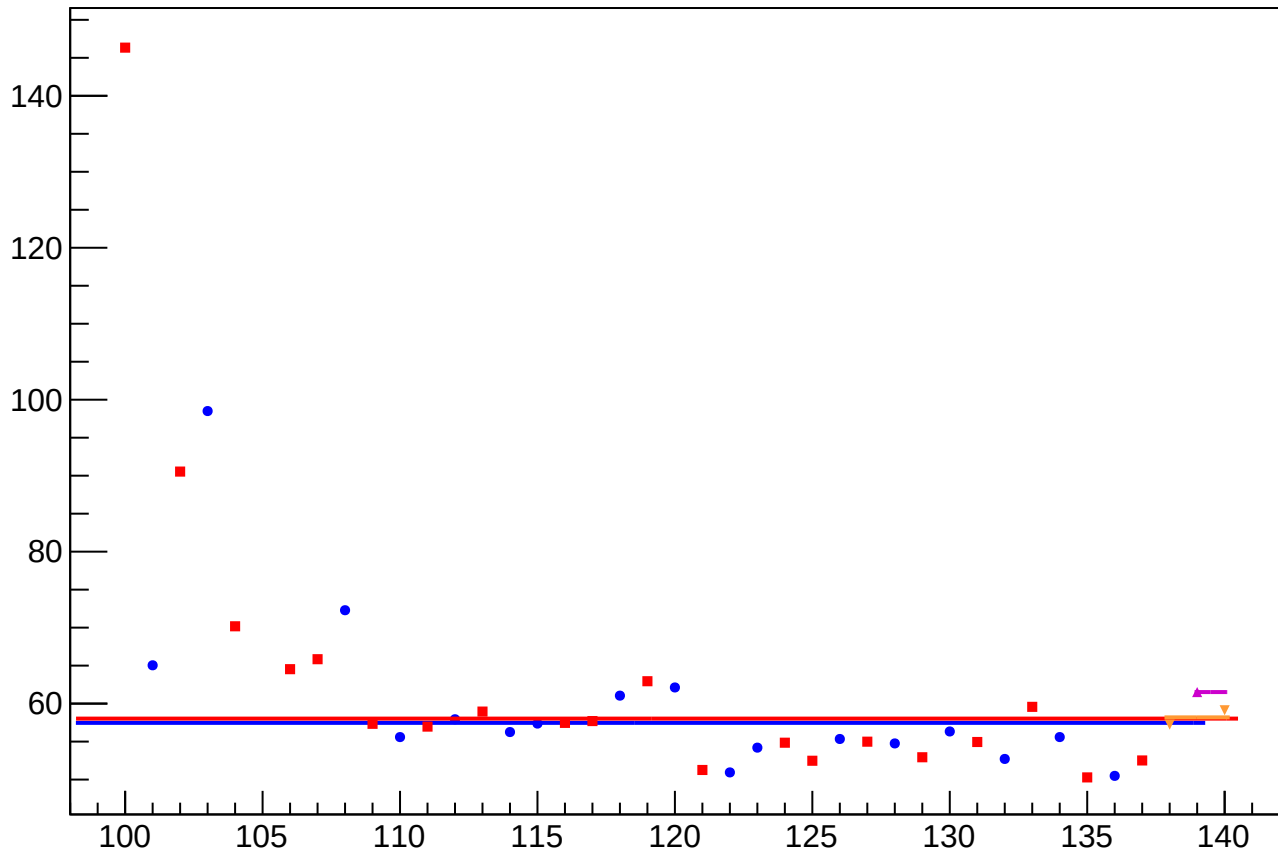
Left In: -66.421 $\pm$ 72.240 χ^2 /NDF: 0.0/0

14.025 $\pm$ 20.354 χ^2 /NDF: 28.3/18

7.019 $\pm$ 14.648 χ^2 /NDF: 49.8/39

-0.508 $\pm$ 21.096 χ^2 /NDF: 21.3/20

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 58.187 $\pm$ 0.033 χ^2 /NDF:800.8/1

Right Out: 58.025 $\pm$ 0.016 χ^2 /NDF: 300790.9/19

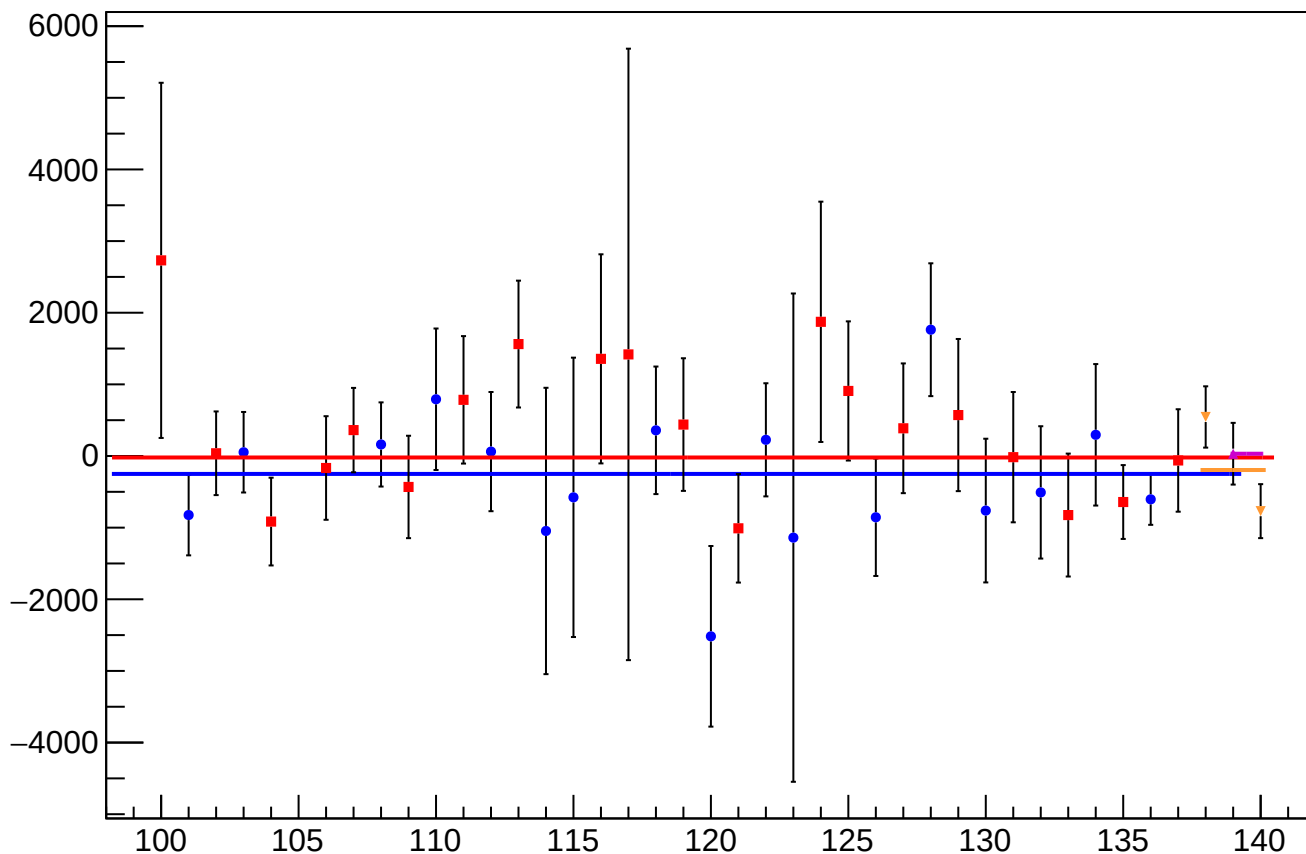
Left In: 61.518 $\pm$ 0.051 χ^2 /NDF:0.0/0

57.600 $\pm$ 0.014 χ^2 /NDF: 308338.3/18

57.948 $\pm$ 0.010 χ^2 /NDF: 614622.8/39

58.323 $\pm$ 0.015 χ^2 /NDF: 305067.8/20

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: -195.513+/-282.751 χ^2/NDF : 5.3/1

Right Out: -20.701+/-181.669 χ^2/NDF : 16.2/19

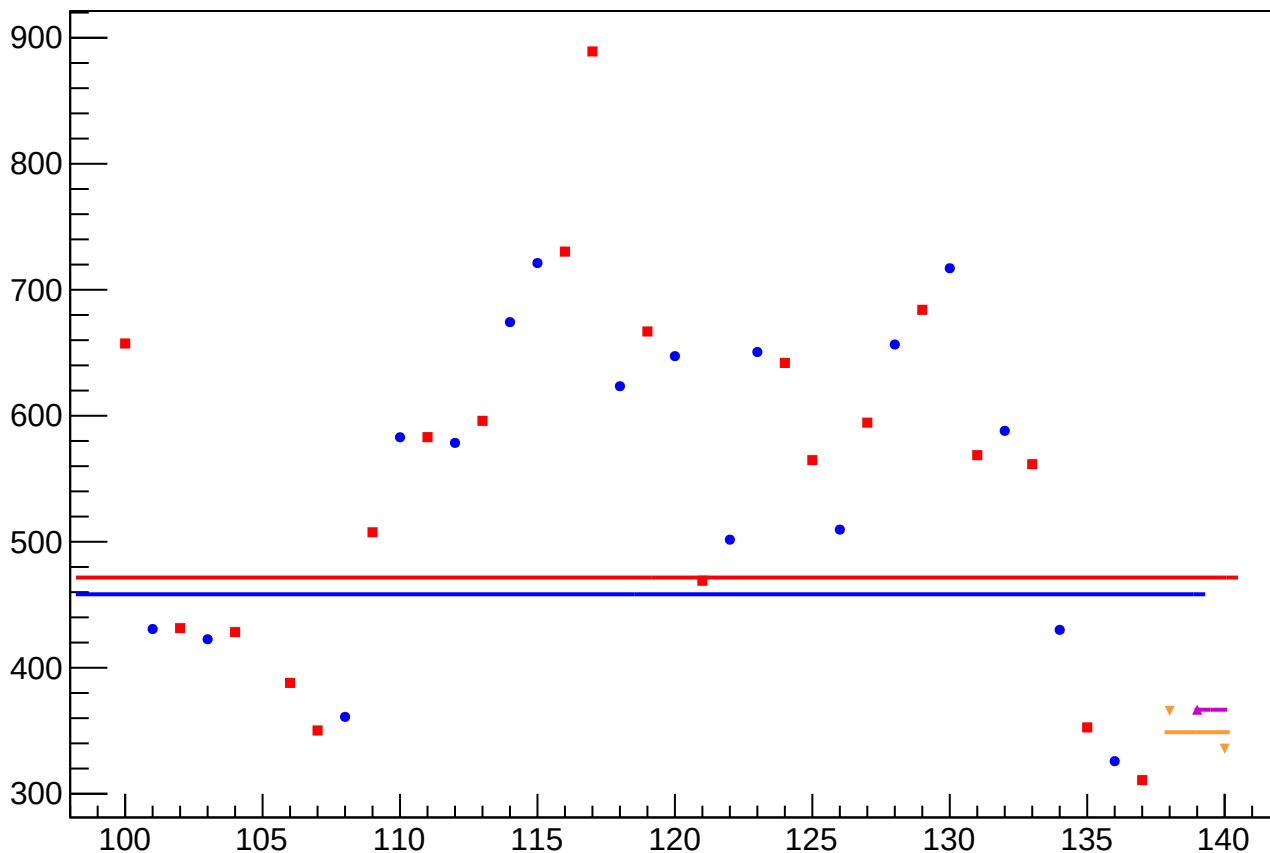
Left In: 31.804+/-430.764 χ^2/NDF : 0.0/0

-233.877+/-154.275 χ^2/NDF : 19.6/18

-132.326+/-113.443 χ^2/NDF : 36.8/39

-12.773+/-167.392 χ^2/NDF : 16.2/20

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: 348.857 $\pm$ 0.200 χ^2 /NDF:5556.5/1

Right Out: 471.585 $\pm$ 0.128 χ^2 /NDF: 797816.0/19

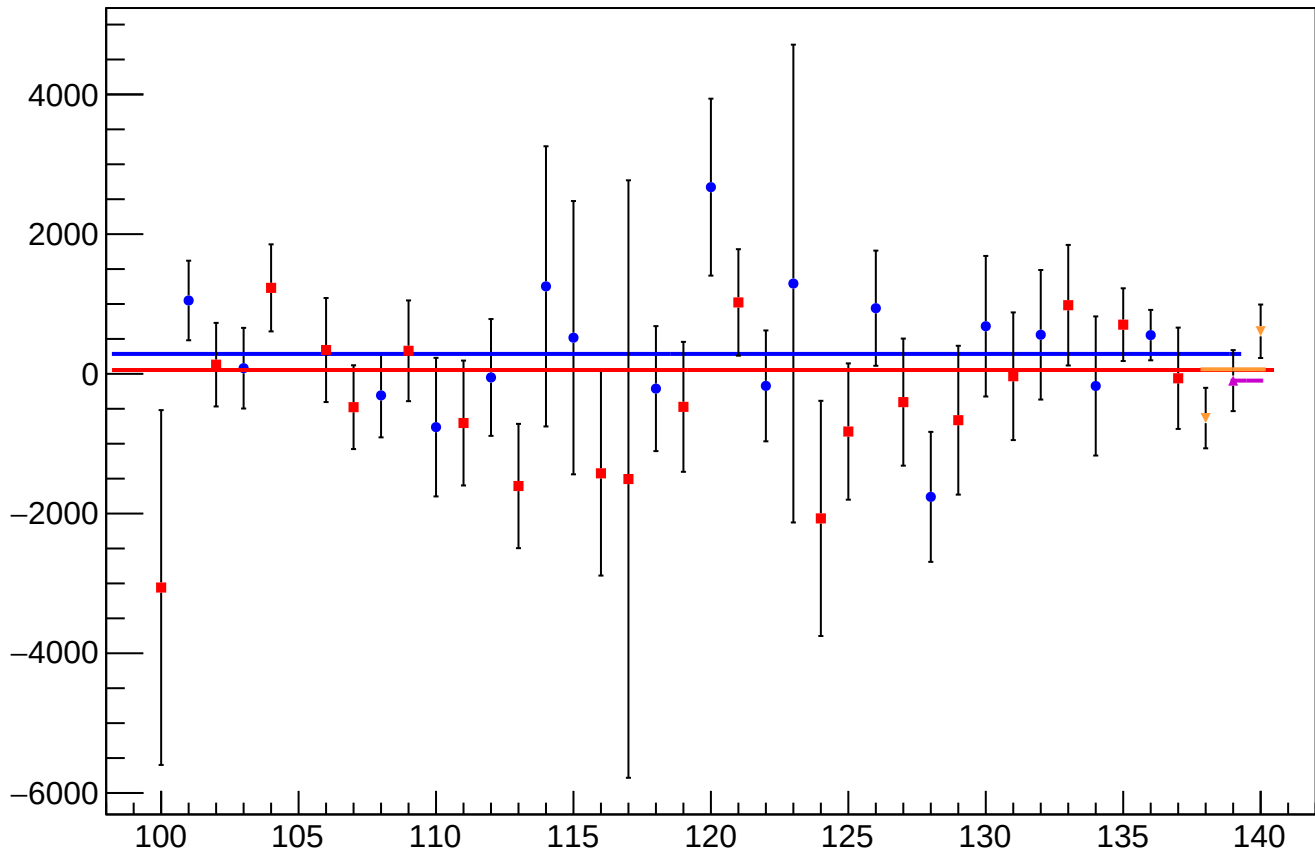
Left In: 366.714 $\pm$ 0.305 χ^2 /NDF:0.0/0

425.736 $\pm$ 0.109 χ^2 /NDF: 1093286.1/18

439.520 $\pm$ 0.080 χ^2 /NDF: 2026509.5/39

455.749 $\pm$ 0.118 χ^2 /NDF: 898456.6/20

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: 65.005 $\pm$ 286.764 χ^2 /NDF: 4.6/1

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

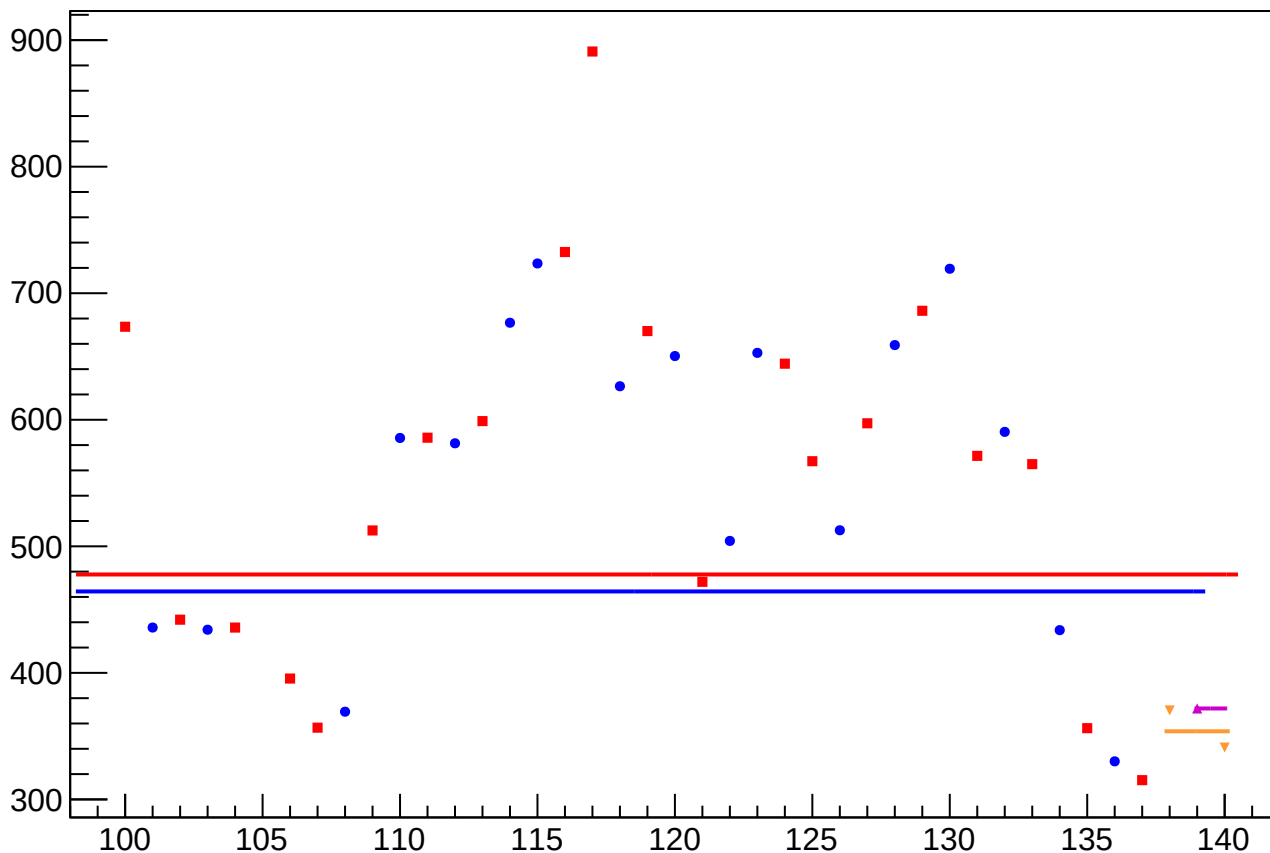
Left In: -96.767 $\pm$ 436.804 χ^2 /NDF: 0.0/0

219.971 $\pm$ 156.204 χ^2 /NDF: 20.2/18

133.754 $\pm$ 114.864 χ^2 /NDF: 40.3/39

32.241 $\pm$ 169.494 χ^2 /NDF: 19.4/20

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 353.845+/-0.203 χ^2/NDF : 5148.4/1

Right Out: 477.754+/-0.130 χ^2/NDF : 768041.0/19

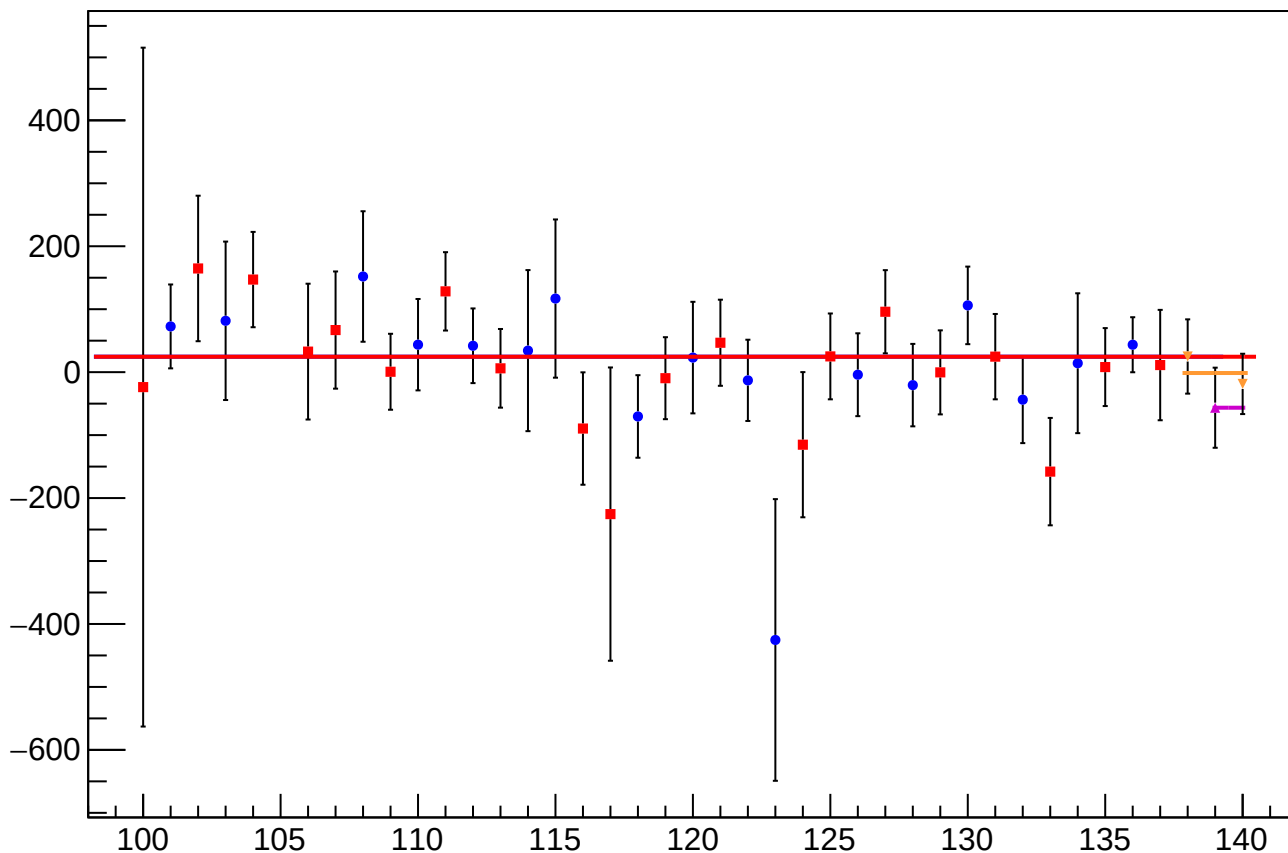
Left In: 371.864+/-0.309 χ^2/NDF : 0.0/0

431.556+/-0.110 χ^2/NDF : 1059883.8/18

445.451+/-0.081 χ^2/NDF : 1962222.2/39

461.811+/-0.120 χ^2/NDF : 867879.4/20

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584+/-17.839 χ^2/NDF : 13.0/16

Left Out: -1.363+/-37.193 χ^2/NDF : 0.3/1

Right Out: 24.491+/-17.338 χ^2/NDF : 18.0/19

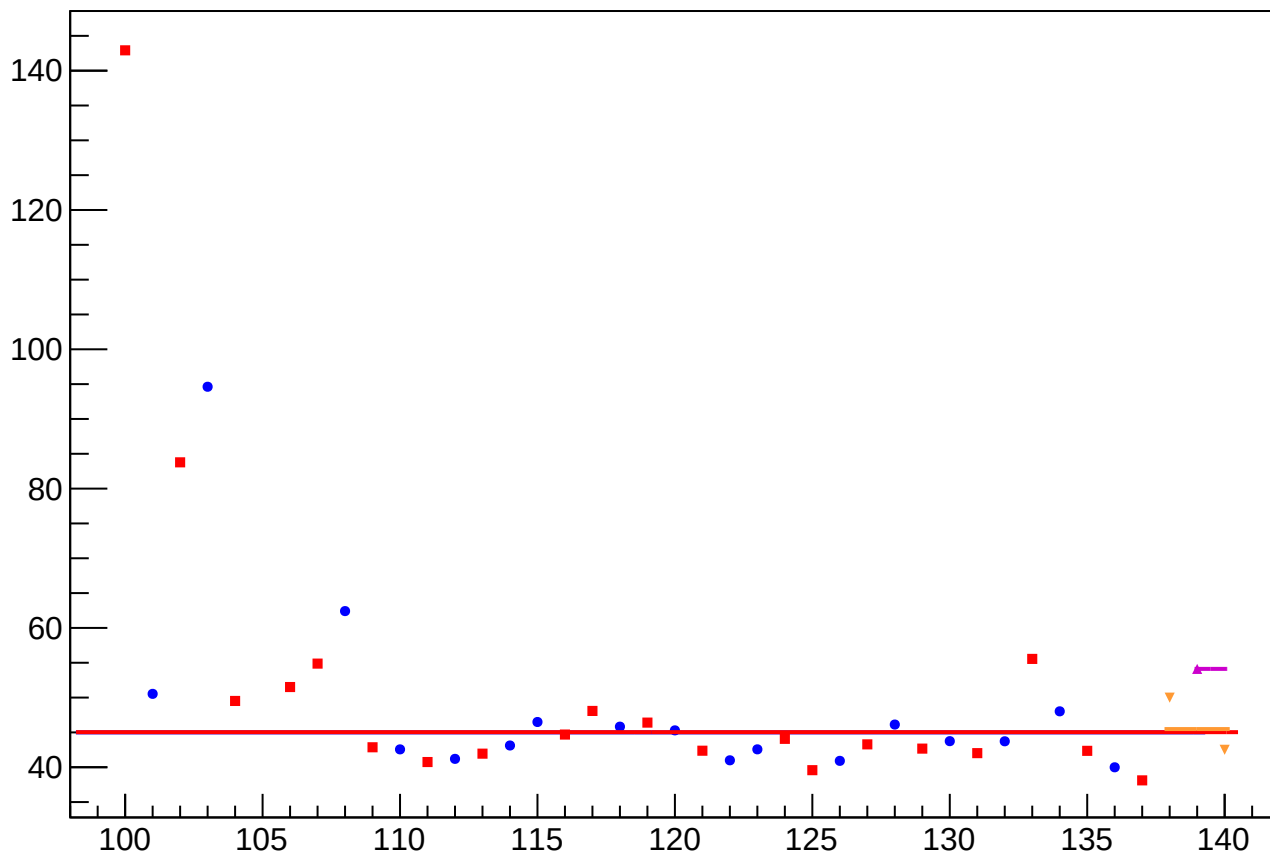
Left In: -56.487+/-63.619 χ^2/NDF : 0.0/0

19.732+/-16.085 χ^2/NDF : 13.7/18

19.328+/-11.594 χ^2/NDF : 33.2/39

18.892+/-16.728 χ^2/NDF : 19.5/20

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: 45.479 $\pm$ 0.026 χ^2 /NDF:19396.6/1

Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

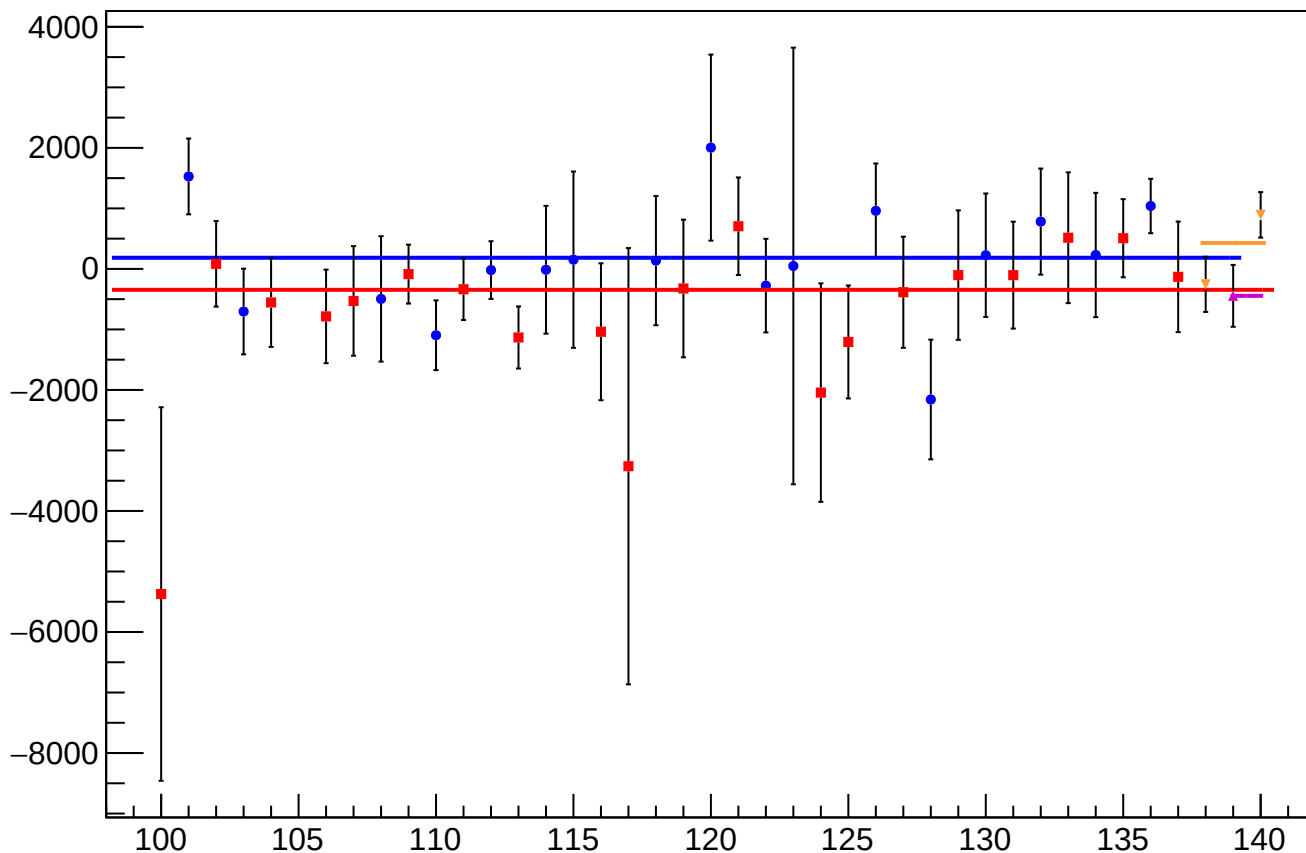
Left In: 54.119 $\pm$ 0.045 χ^2 /NDF:0.0/0

45.091 $\pm$ 0.011 χ^2 /NDF: 458017.5/18

45.365 $\pm$ 0.008 χ^2 /NDF: 913049.8/39

45.662 $\pm$ 0.012 χ^2 /NDF: 453818.3/20

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: 428.661 $\pm$ 289.994 χ^2 /NDF: 3.8/1

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

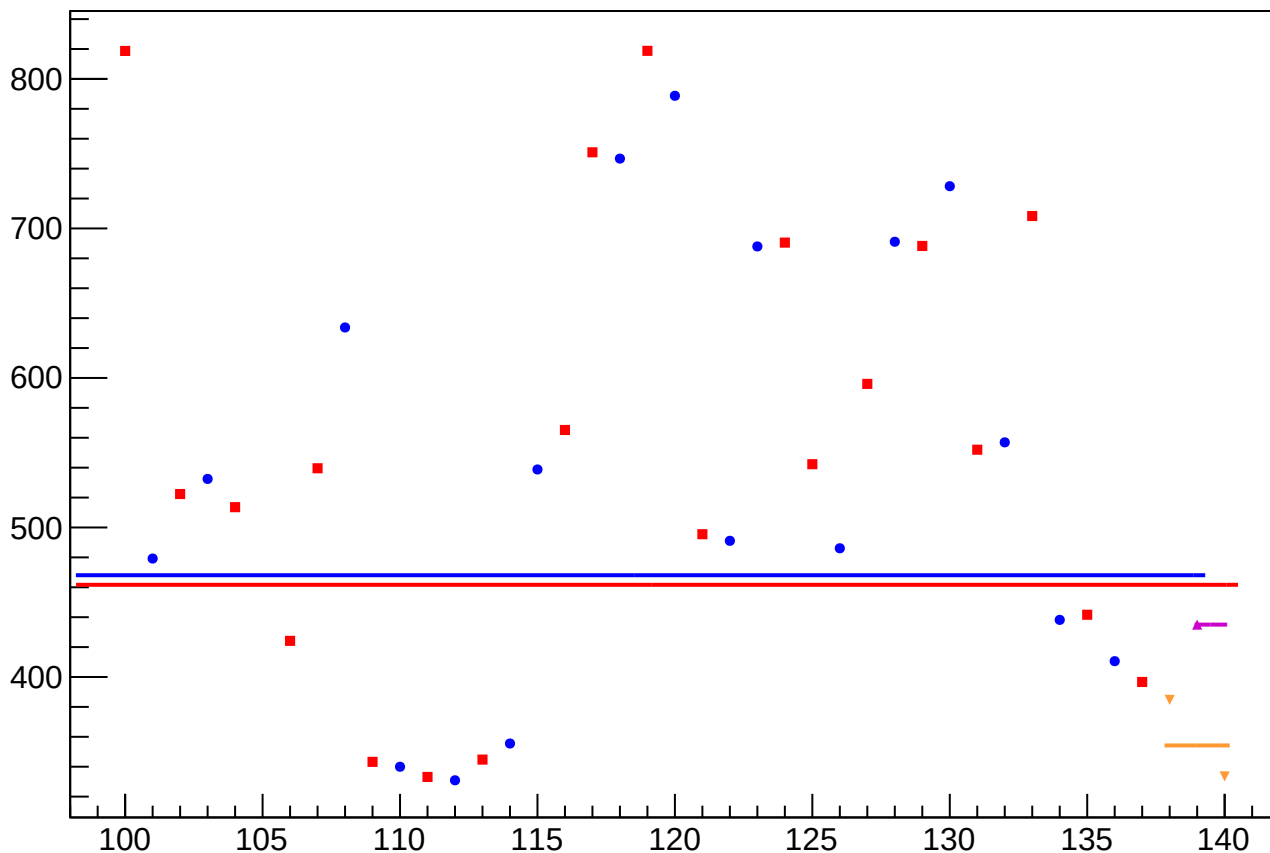
Left In: -444.814 $\pm$ 511.444 χ^2 /NDF: 0.0/0

256.830 $\pm$ 158.080 χ^2 /NDF: 28.5/18

-29.179 $\pm$ 115.474 χ^2 /NDF: 48.7/39

-356.398 $\pm$ 169.085 χ^2 /NDF: 13.2/20

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 354.229+/-0.205 χ^2/NDF : 15008.8/1

Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

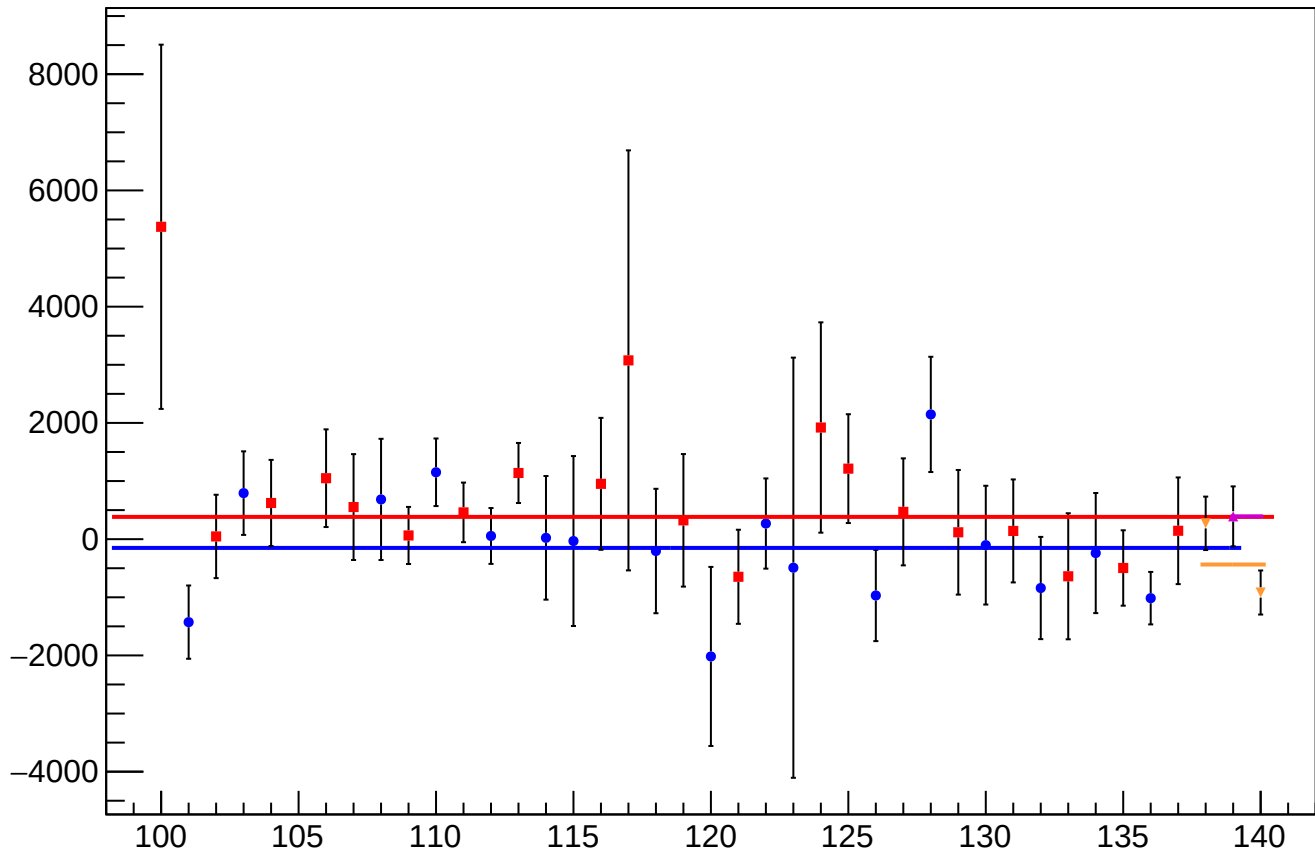
Left In: 435.031+/-0.362 χ^2/NDF : 0.0/0

434.243+/-0.112 χ^2/NDF : 1111959.9/18

445.671+/-0.082 χ^2/NDF : 2107137.5/39

458.746+/-0.120 χ^2/NDF : 972767.1/20

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -436.166+/-292.398 χ^2/NDF : 4.0/1

Right Out: 383.331+/-181.030 χ^2/NDF : 13.0/19

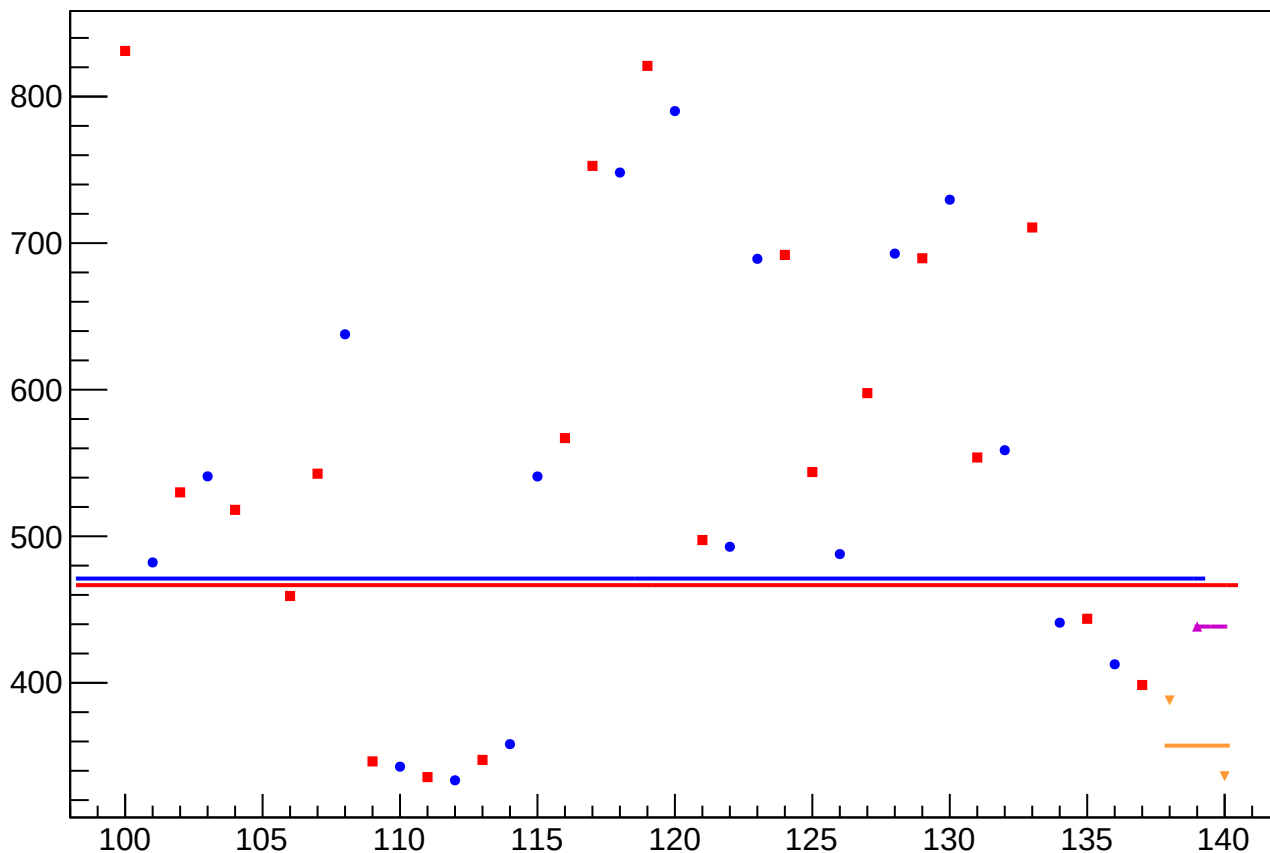
Left In: 392.561+/-515.405 χ^2/NDF : 0.0/0

-235.002+/-159.159 χ^2/NDF : 28.9/18

52.847+/-116.441 χ^2/NDF : 48.9/39

384.344+/-170.801 χ^2/NDF : 13.0/20

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 357.179+/-0.207 χ^2/NDF :15069.7/1

Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

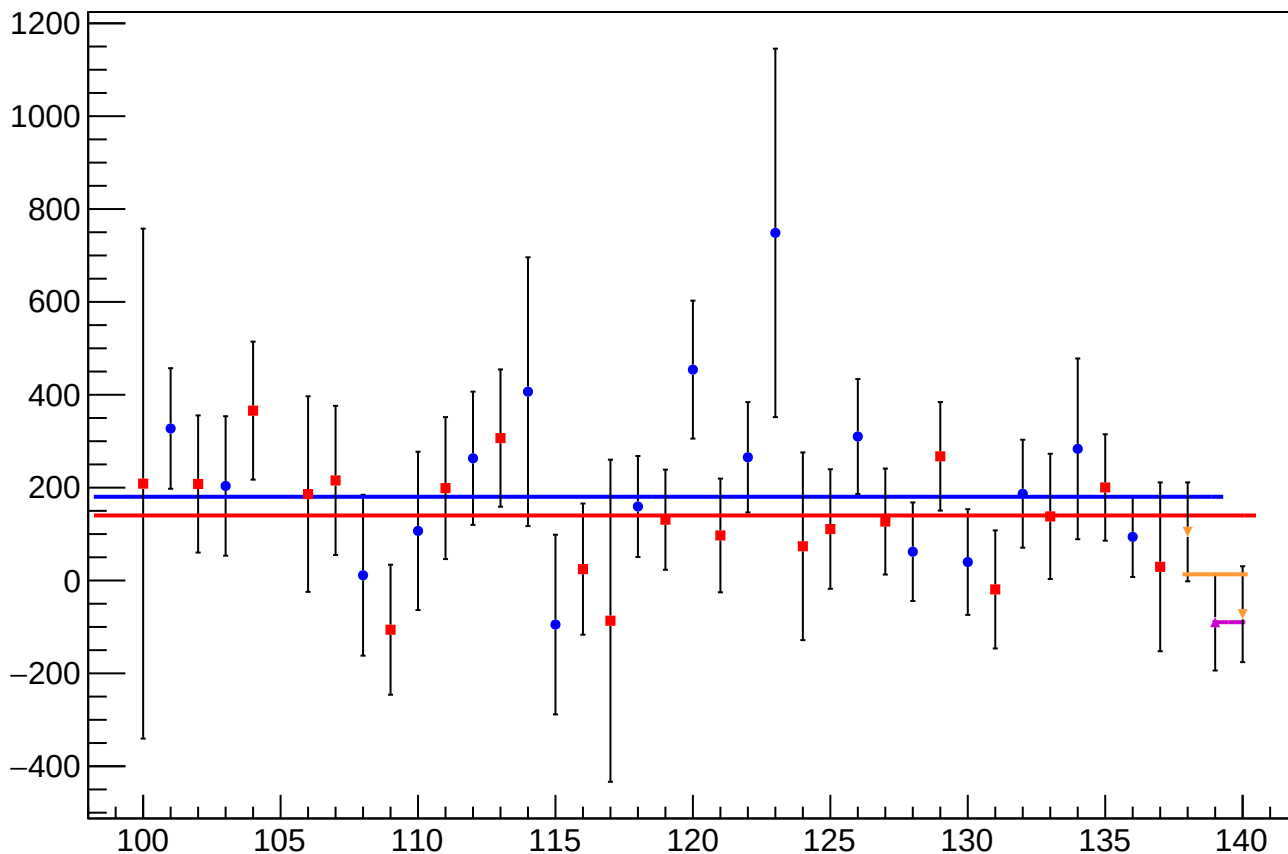
Left In: 438.406+/-0.364 χ^2/NDF :0.0/0

437.386+/-0.113 χ^2/NDF : 1100754.2/18

449.547+/-0.082 χ^2/NDF : 2084315.8/39

463.553+/-0.121 χ^2/NDF : 958436.8/20

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: 13.326 $\pm$ 74.133 χ^2 /NDF:1.4/1

Right Out: 140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

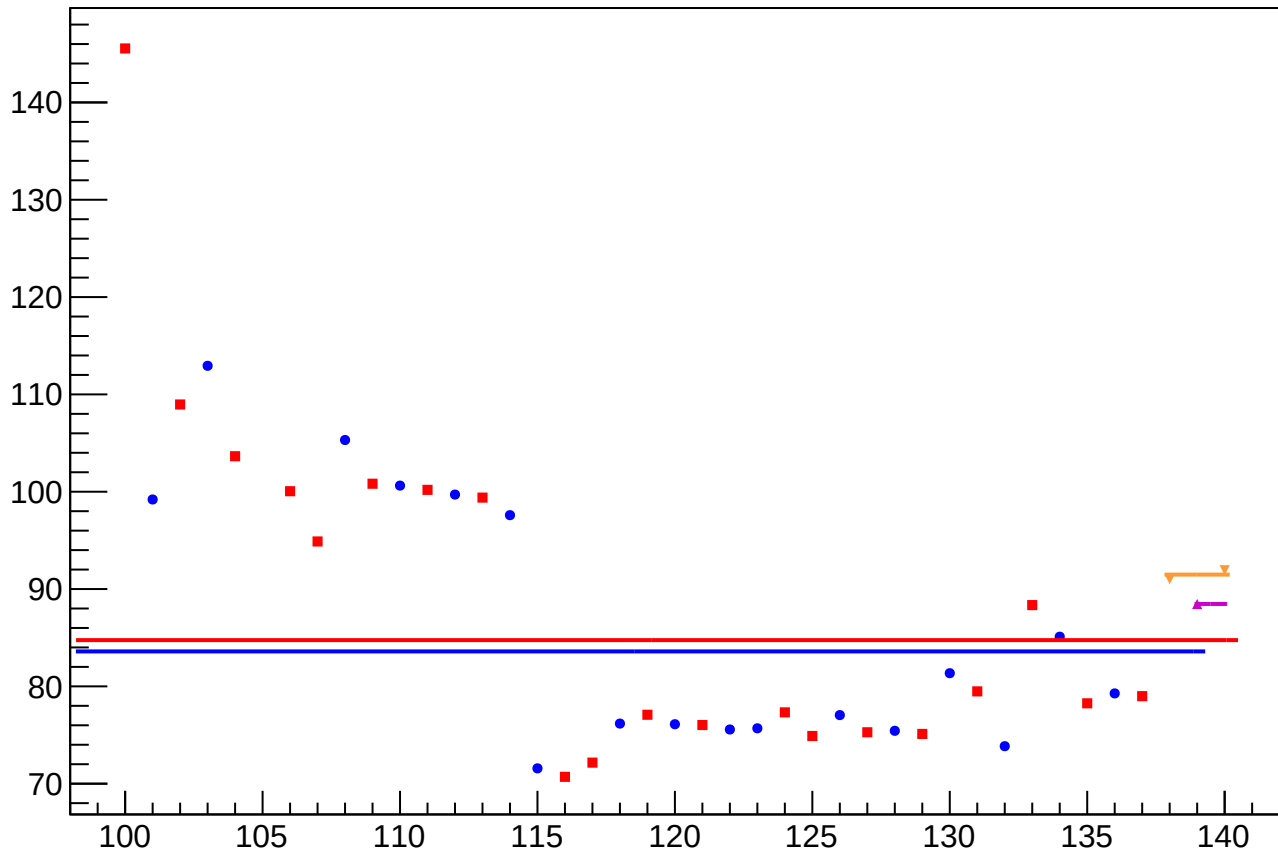
Left In: -89.783 $\pm$ 104.039 χ^2 /NDF:0.0/0

153.029 $\pm$ 29.972 χ^2 /NDF: 22.2/18

136.933 $\pm$ 21.466 χ^2 /NDF: 39.4/39

119.980 $\pm$ 30.759 χ^2 /NDF: 16.6/20

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 91.485+/-0.052 χ^2/NDF : 78.4/1

Right Out: 84.752+/-0.023 χ^2/NDF : 293262.6/19

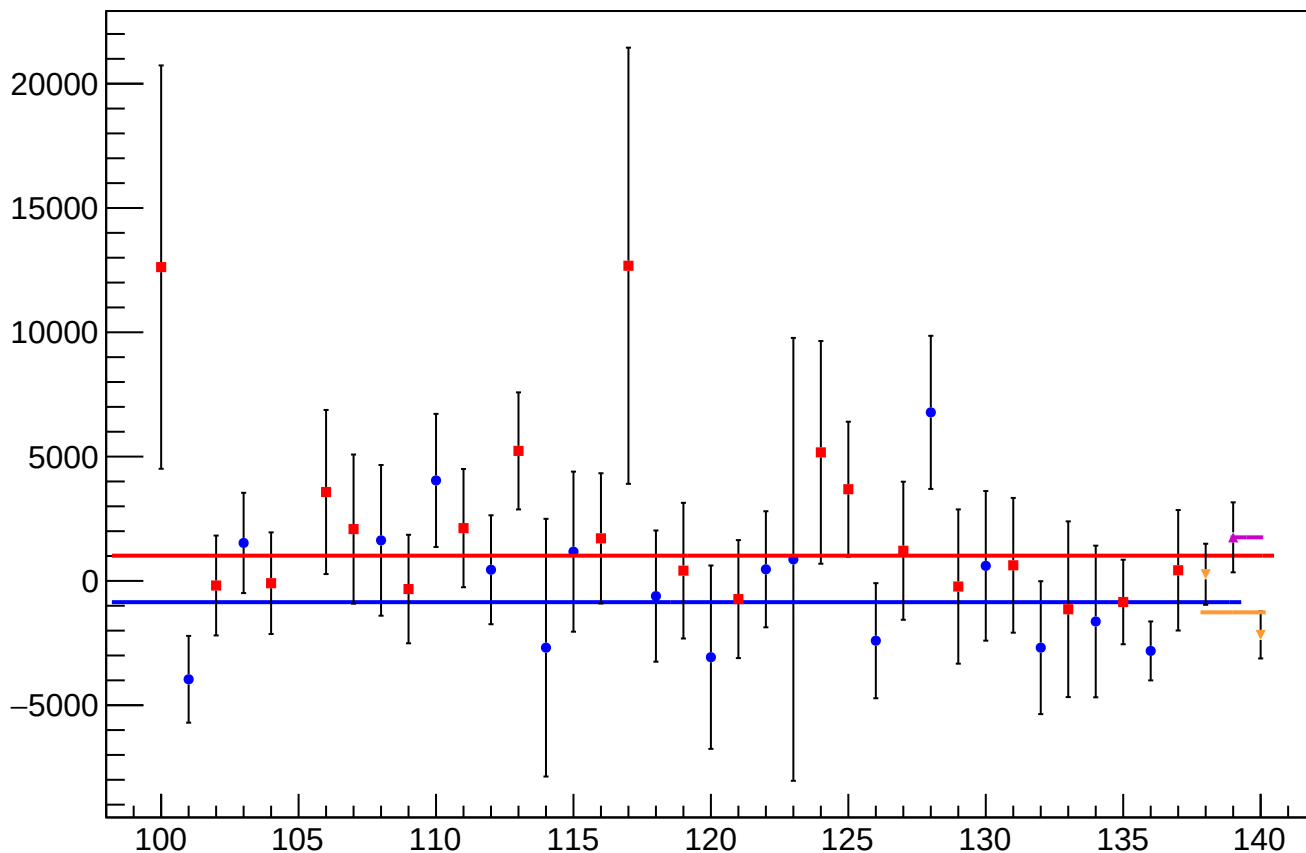
Left In: 88.466+/-0.074 χ^2/NDF : 0.0/0

84.881+/-0.021 χ^2/NDF : 274971.1/18

84.976+/-0.015 χ^2/NDF : 570601.6/39

85.076+/-0.022 χ^2/NDF : 295589.1/20

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: -1263.763+/-749.504 χ^2/NDF : 2.5/1

Right Out: 1015.523+/-587.747 χ^2/NDF : 13.3/19

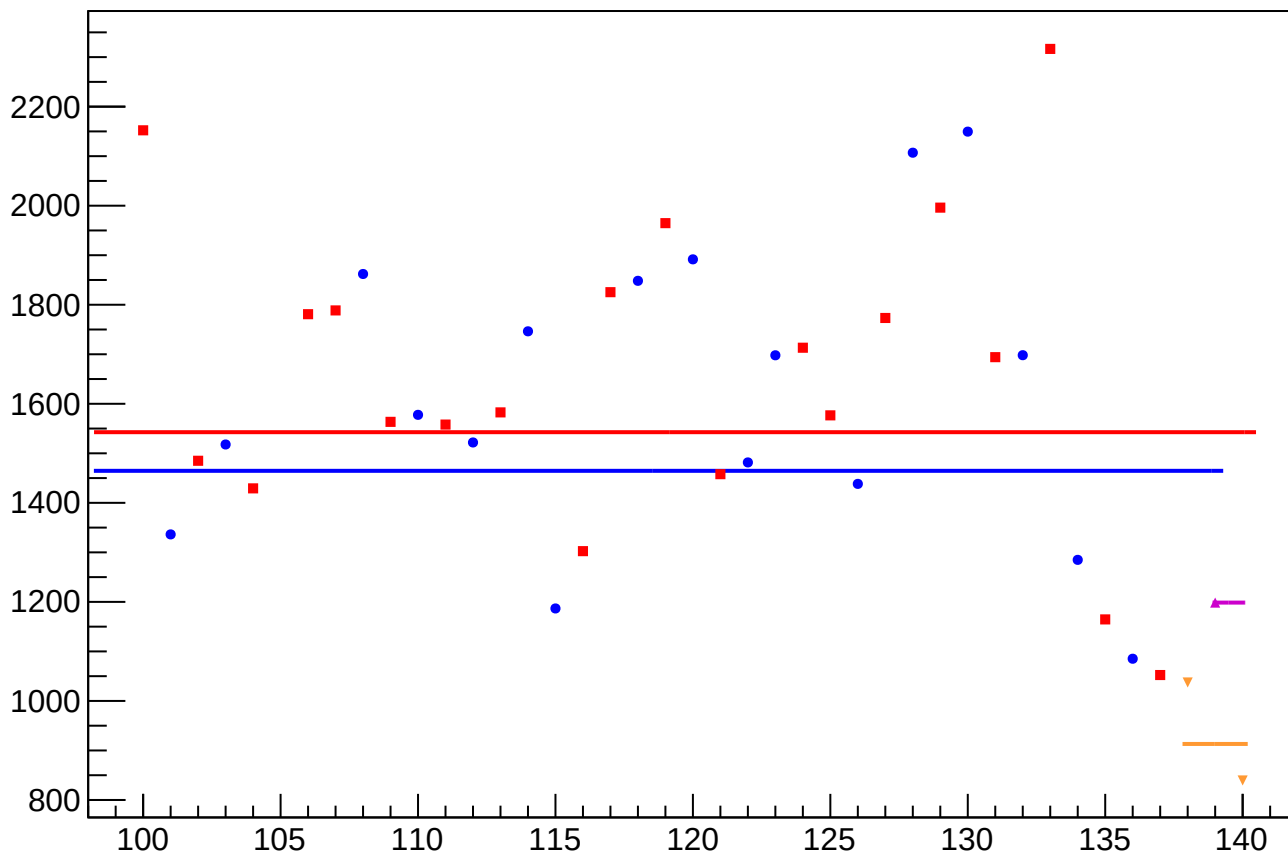
Left In: 1752.098+/-1407.493 χ^2/NDF : 0.0/0

-1009.377+/-460.320 χ^2/NDF : 22.9/18

-115.707+/-350.954 χ^2/NDF : 45.5/39

1124.893+/-542.359 χ^2/NDF : 13.5/20

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: 913.141 $\pm$ 0.530 χ^2 /NDF: 32583.5/1

Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

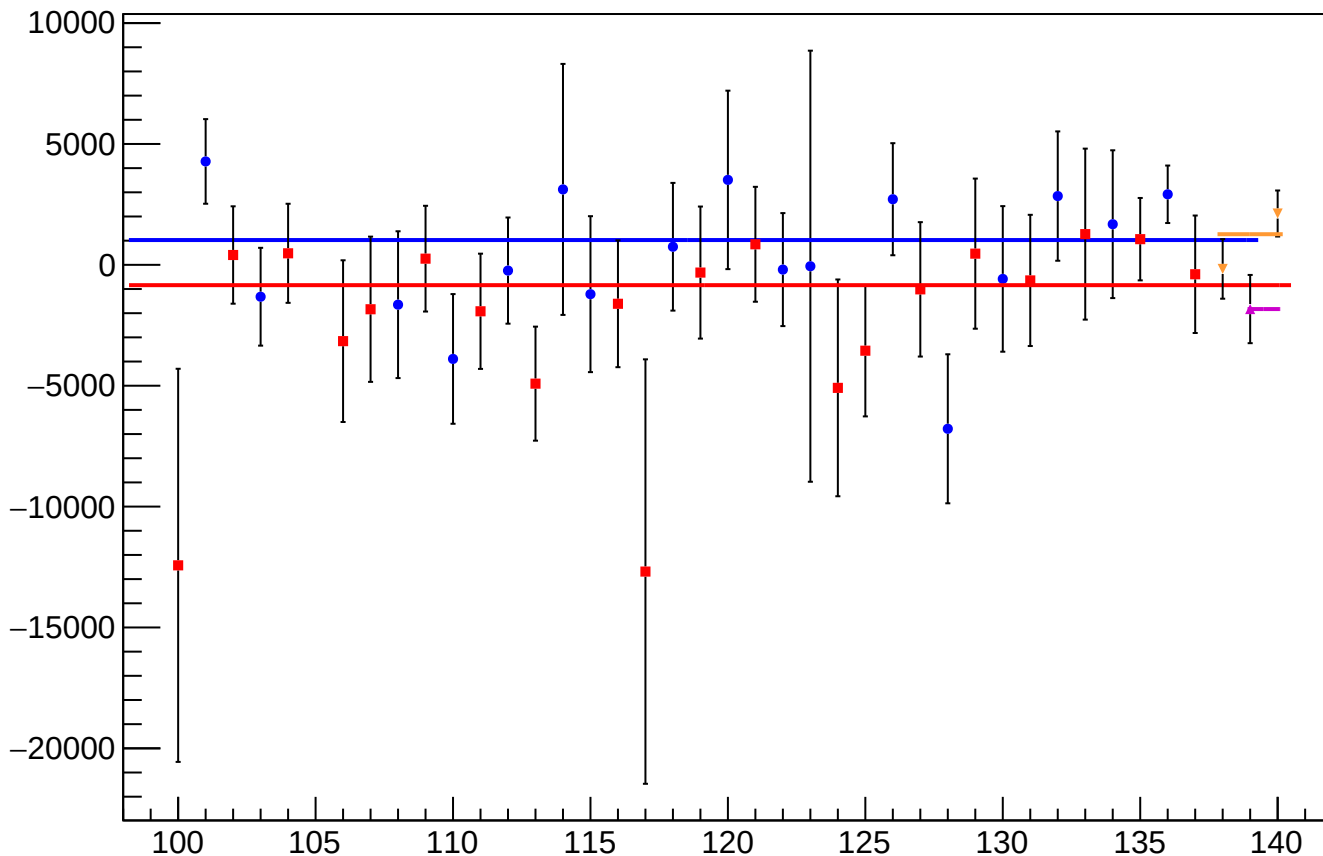
Left In: 1198.573 $\pm$ 0.995 χ^2 /NDF: 0.0/0

1256.613 $\pm$ 0.325 χ^2 /NDF: 1267841.9/18

1354.995 $\pm$ 0.248 χ^2 /NDF: 2043605.0/39

1491.571 $\pm$ 0.384 χ^2 /NDF: 557580.2/20

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: 1267.040 $\pm$ 753.511 χ^2 /NDF: 2.2/1

Right Out: -840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

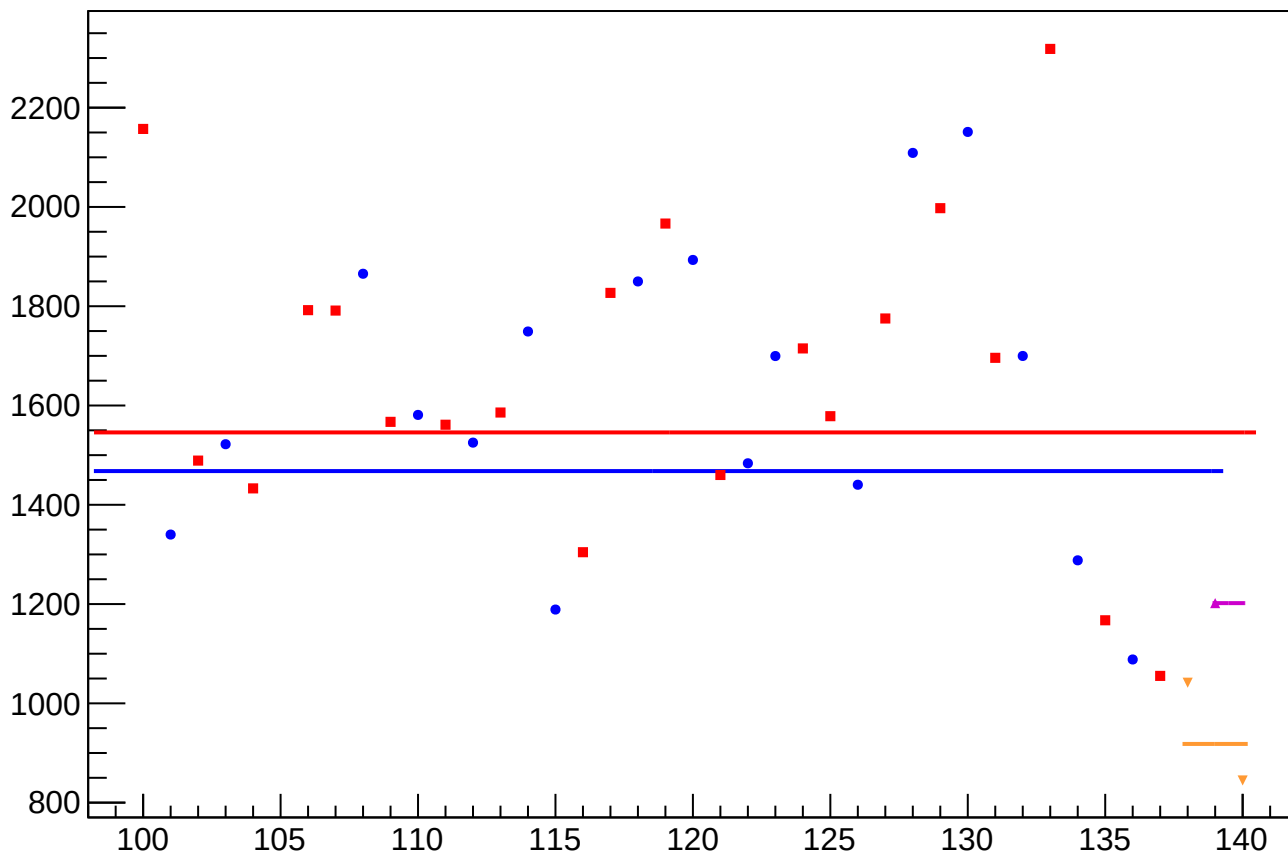
Left In: -1829.119 $\pm$ 1411.400 χ^2 /NDF: 0.0/0

1116.256 $\pm$ 461.840 χ^2 /NDF: 23.2/18

234.460 $\pm$ 351.968 χ^2 /NDF: 45.3/39

-987.232 $\pm$ 543.612 χ^2 /NDF: 13.4/20

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: 918.233 $\pm$ 0.533 χ^2 /NDF: 31970.8/1

Right Out: 1545.785 $\pm$ 0.417 χ^2 /NDF: 453865.6/19

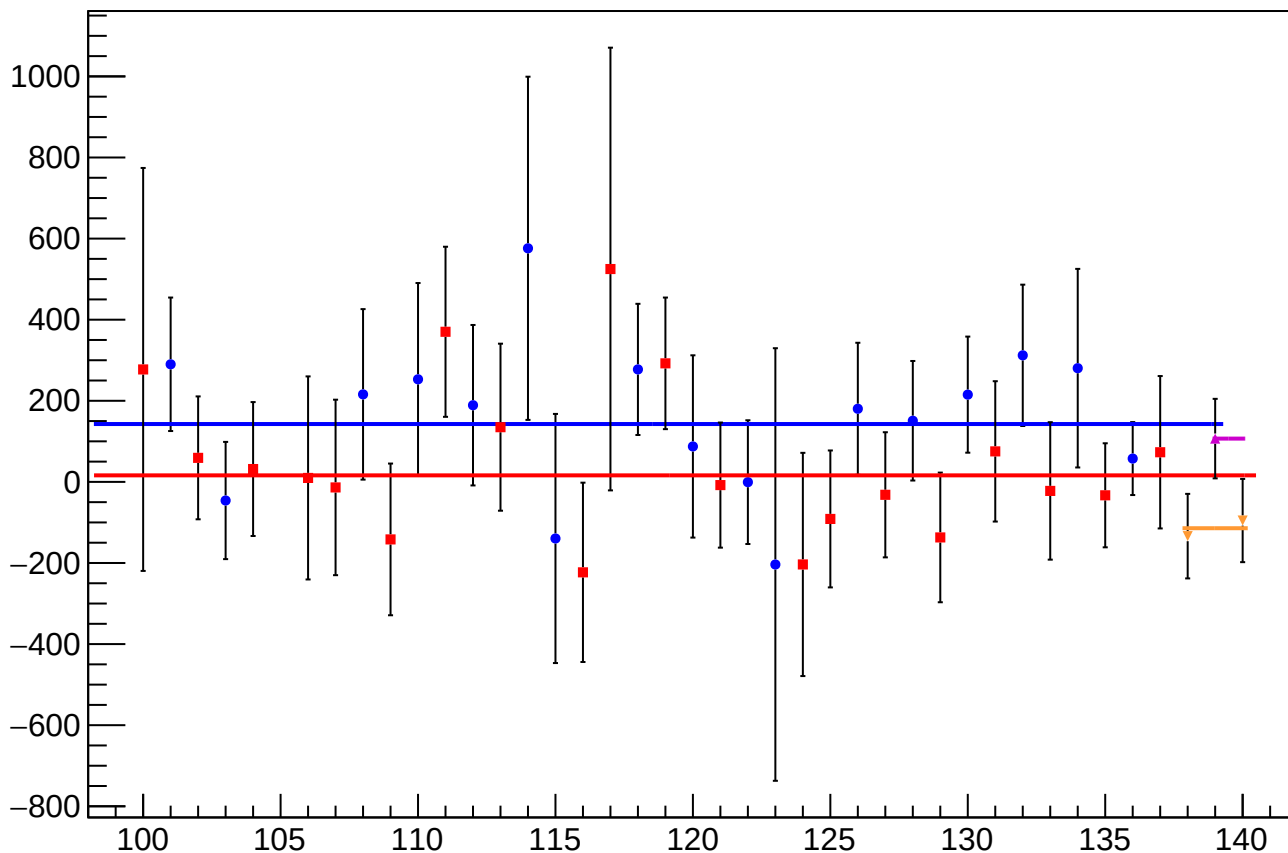
Left In: 1201.903 $\pm$ 0.998 χ^2 /NDF: 0.0/0

1261.411 $\pm$ 0.327 χ^2 /NDF: 1253897.2/18

1359.237 $\pm$ 0.249 χ^2 /NDF: 2022932.6/39

1494.771 $\pm$ 0.384 χ^2 /NDF: 554979.2/20

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: -114.257 $\pm$ 73.142 χ^2 /NDF:0.1/1

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

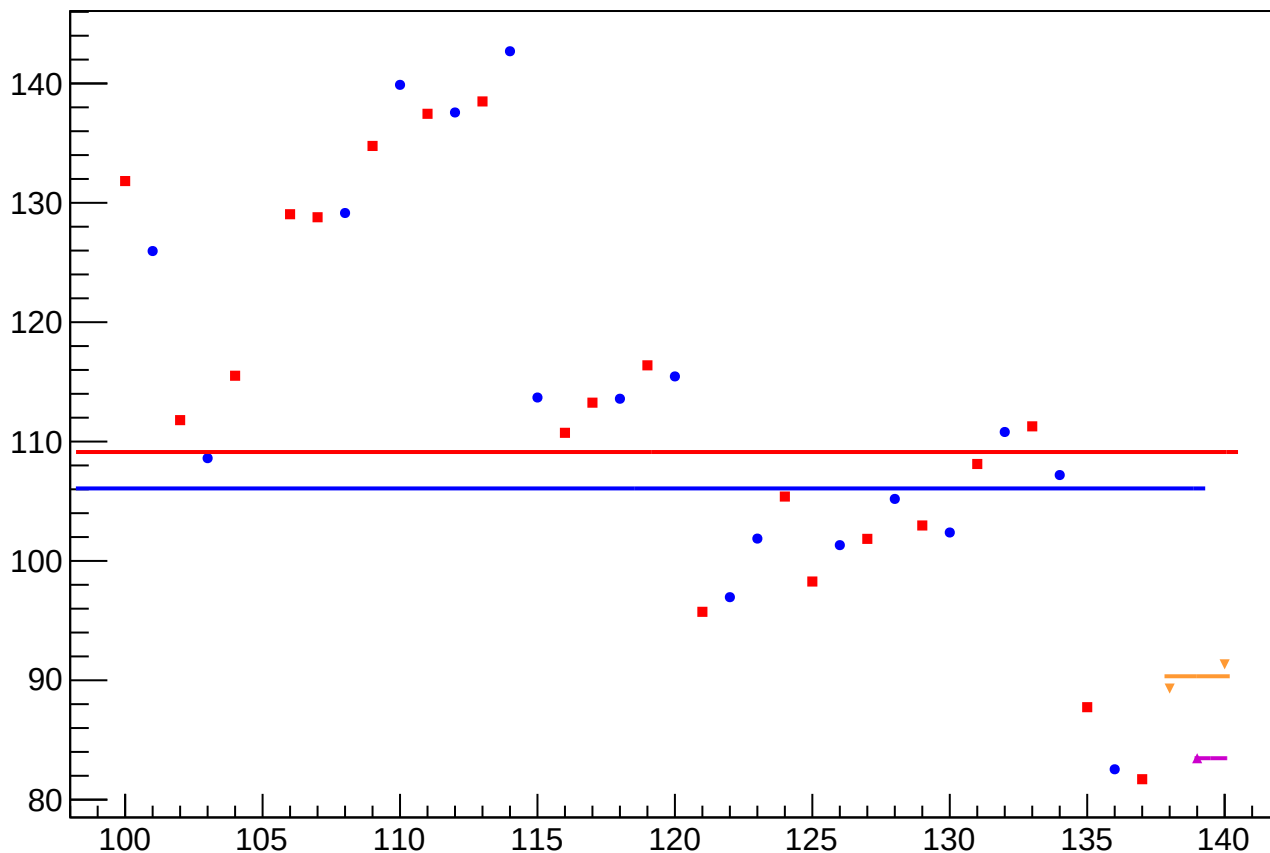
Left In: 106.746 $\pm$ 98.052 χ^2 /NDF:0.0/0

79.825 $\pm$ 36.177 χ^2 /NDF: 18.7/18

56.045 $\pm$ 26.216 χ^2 /NDF: 32.1/39

29.748 $\pm$ 38.044 χ^2 /NDF: 12.4/20

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: 90.337 $\pm$ 0.052 χ^2 /NDF:384.8/1

Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

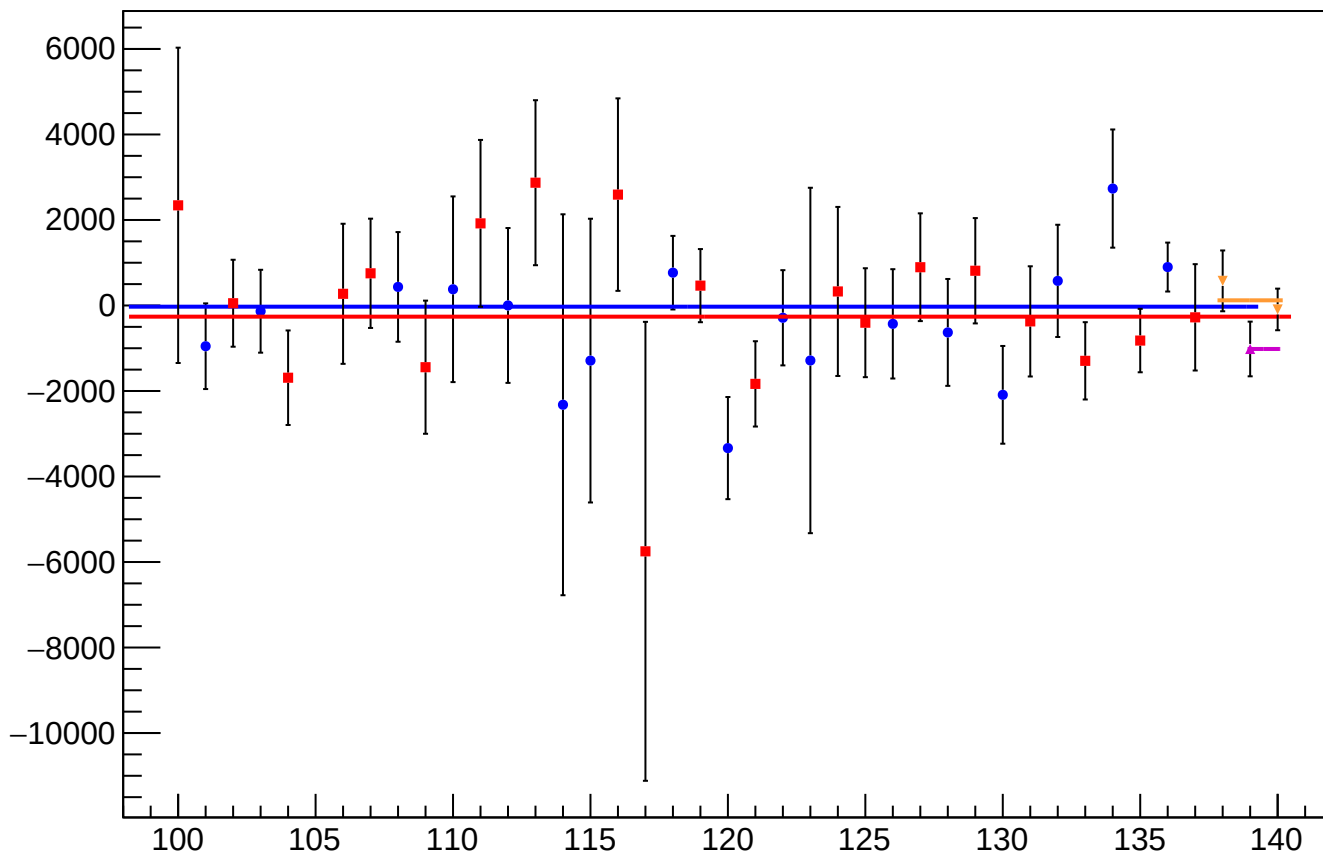
Left In: 83.471 $\pm$ 0.069 χ^2 /NDF:0.0/0

102.224 $\pm$ 0.026 χ^2 /NDF: 388225.7/18

103.667 $\pm$ 0.019 χ^2 /NDF: 796720.7/39

105.262 $\pm$ 0.027 χ^2 /NDF: 401795.0/20

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: 120.794 ± 401.648 χ^2/NDF : 0.6/1

Right Out: -261.265 ± 279.073 χ^2/NDF : 16.9/19

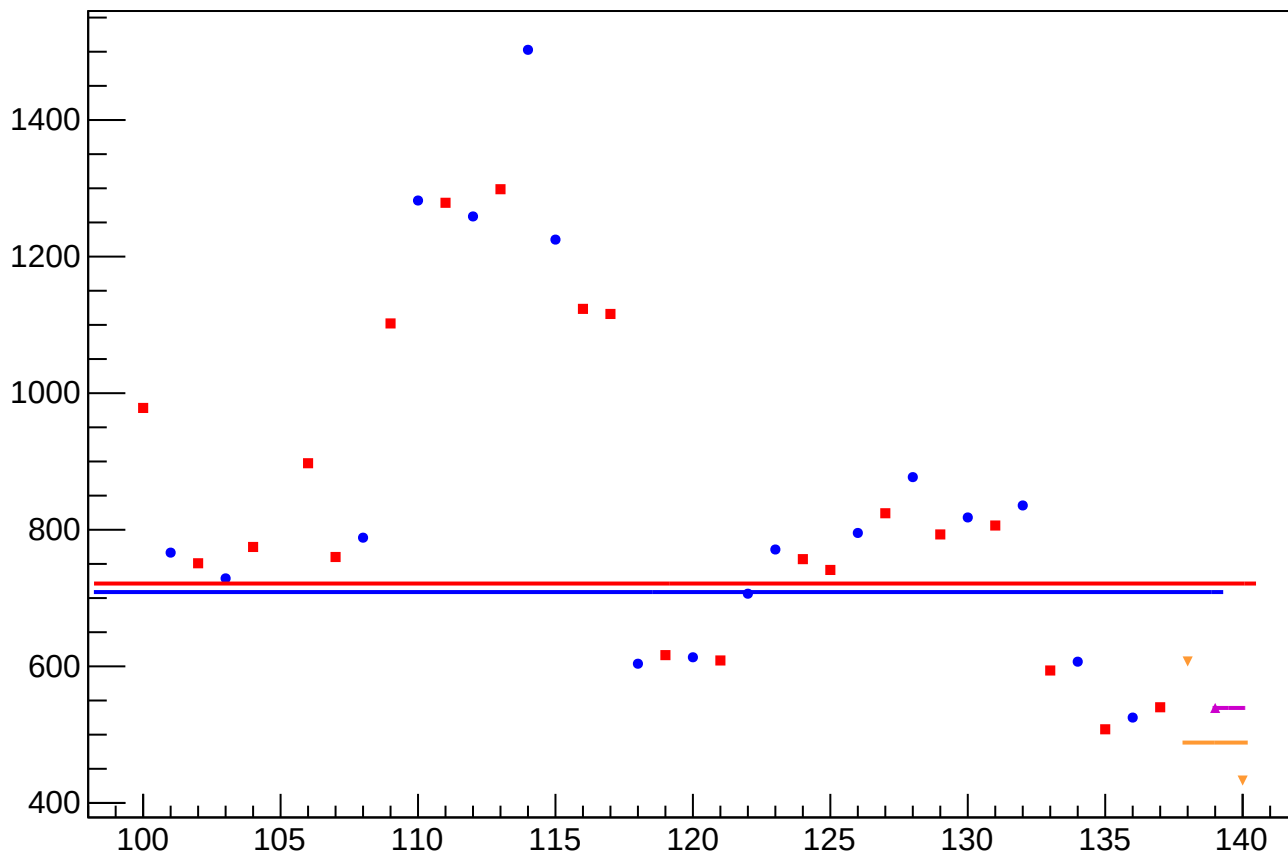
Left In: -1017.088 ± 639.537 χ^2/NDF : 0.0/0

21.557 ± 231.746 χ^2/NDF : 21.2/18

-160.449 ± 171.739 χ^2/NDF : 40.7/39

-382.165 ± 255.781 χ^2/NDF : 18.1/20

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: 488.397 $\pm$ 0.284 χ^2 /NDF: 81890.2/1

Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

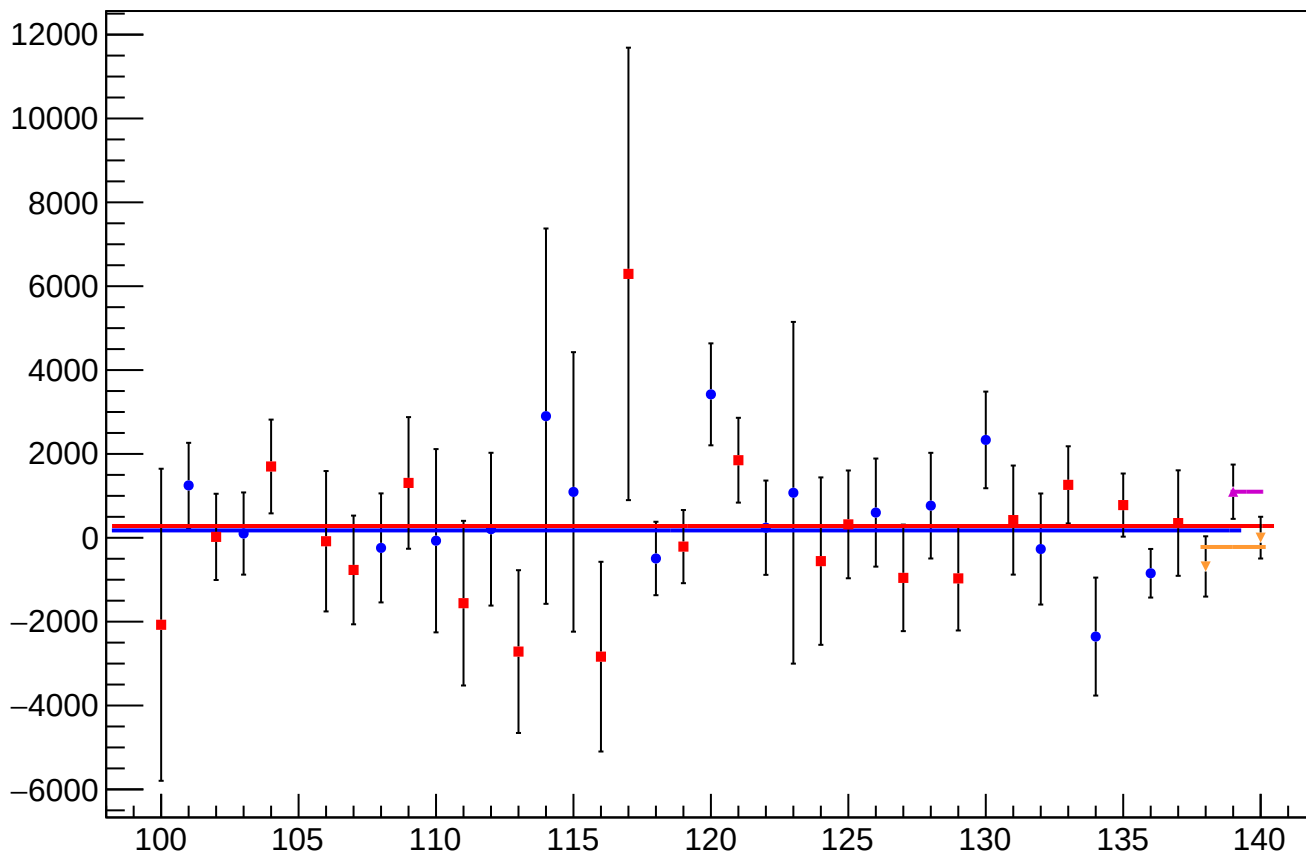
Left In: 539.105 $\pm$ 0.452 χ^2 /NDF: 0.0/0

635.414 $\pm$ 0.164 χ^2 /NDF: 1277118.3/18

660.984 $\pm$ 0.121 χ^2 /NDF: 2378219.2/39

692.132 $\pm$ 0.181 χ^2 /NDF: 1047093.7/20

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854+/-287.218 χ^2/NDF : 19.7/16

Left Out: -219.186+/-409.274 χ^2/NDF : 0.6/1

Right Out: 281.173+/-282.685 χ^2/NDF : 16.1/19

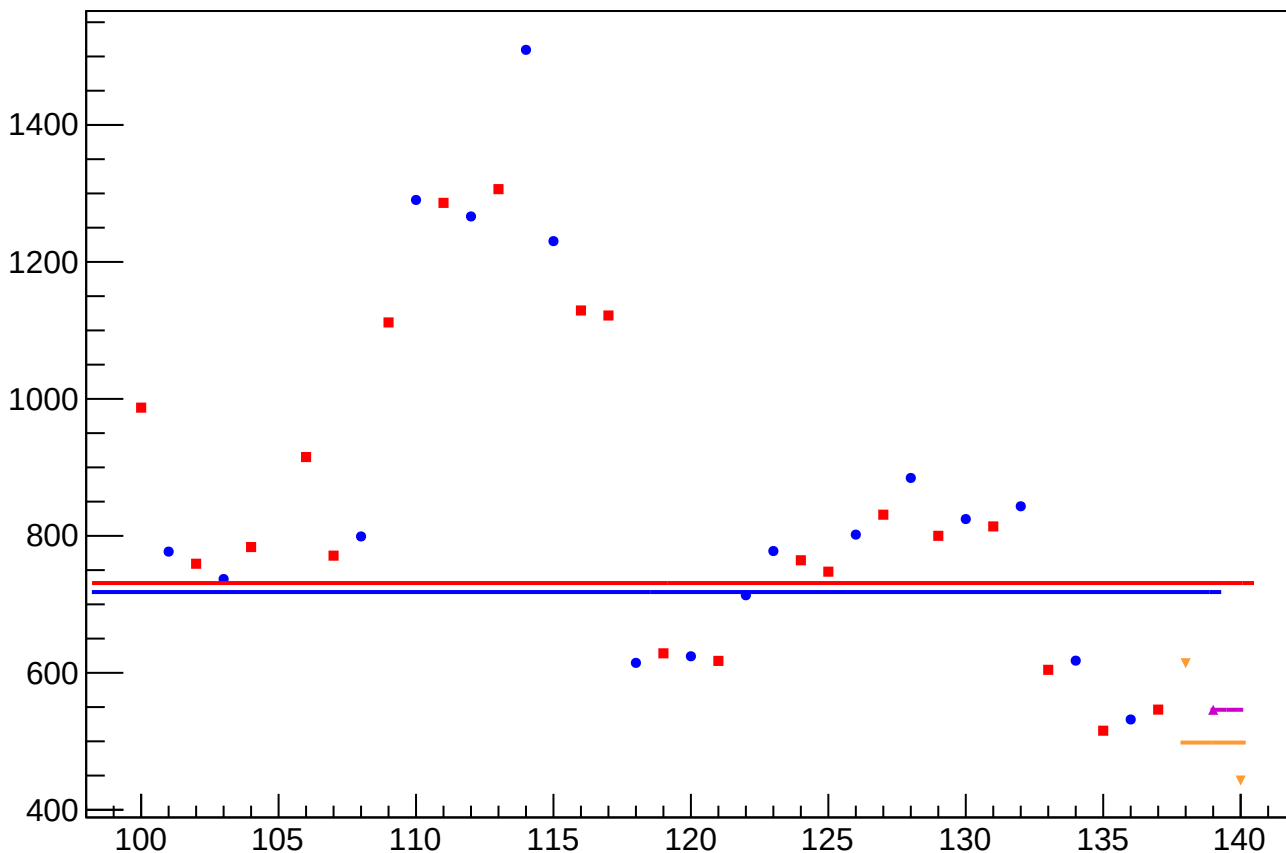
Left In: 1098.598+/-647.510 χ^2/NDF : 0.0/0

45.500+/-235.102 χ^2/NDF : 21.0/18

211.028+/-174.101 χ^2/NDF : 39.5/39

412.030+/-259.072 χ^2/NDF : 17.4/20

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: 498.202 $\pm$ 0.289 χ^2 /NDF: 76701.7/1

Right Out: 731.116 $\pm$ 0.200 χ^2 /NDF: 892357.6/19

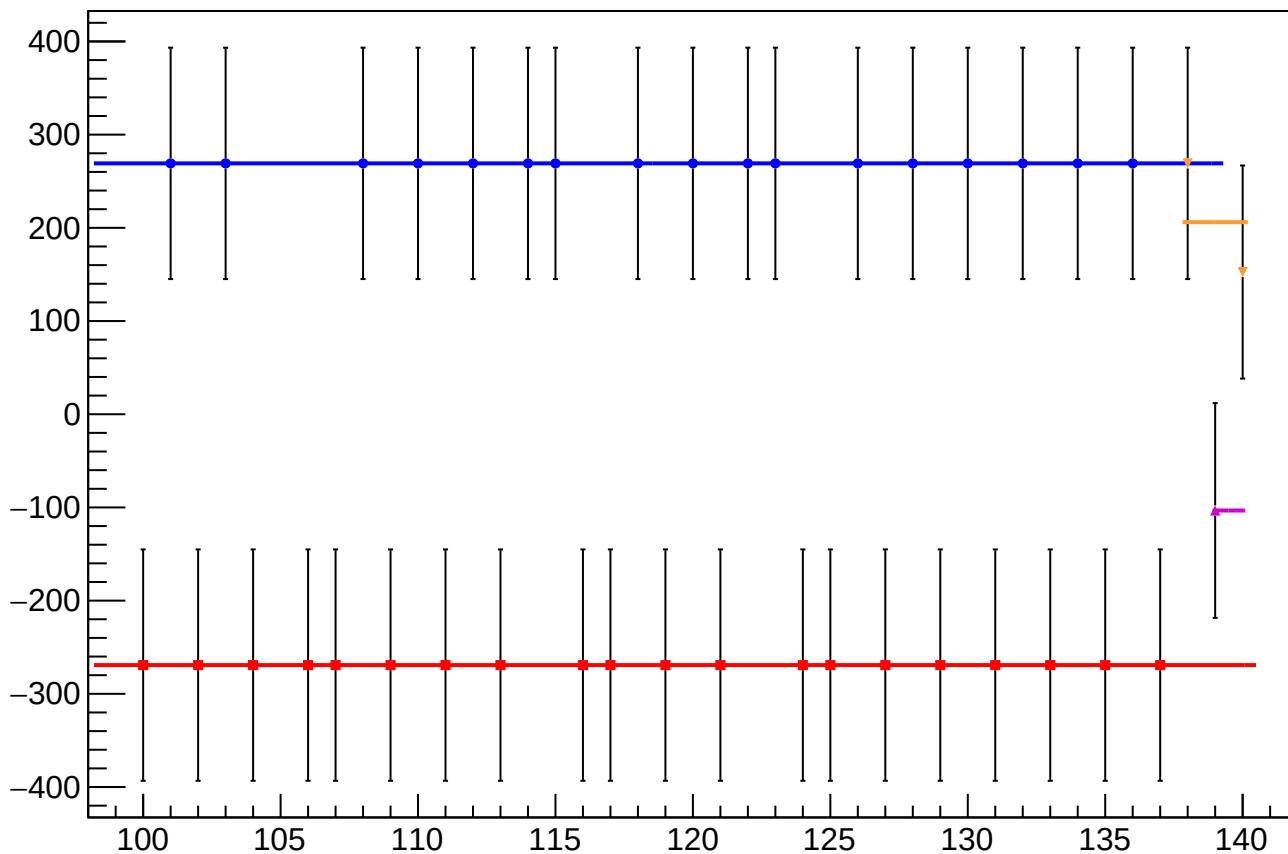
Left In: 546.079 $\pm$ 0.458 χ^2 /NDF: 0.0/0

645.454 $\pm$ 0.166 χ^2 /NDF: 1241676.8/18

670.762 $\pm$ 0.123 χ^2 /NDF: 2322533.6/39

701.494 $\pm$ 0.183 χ^2 /NDF: 1029537.3/20

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 269.172 $\pm$ 30.110 χ^2/NDF : 0.0/16

Left Out: 206.083 $\pm$ 84.101 χ^2/NDF : 0.5/1

Right Out: -269.172 $\pm$ 27.760 χ^2/NDF : 0.0/19

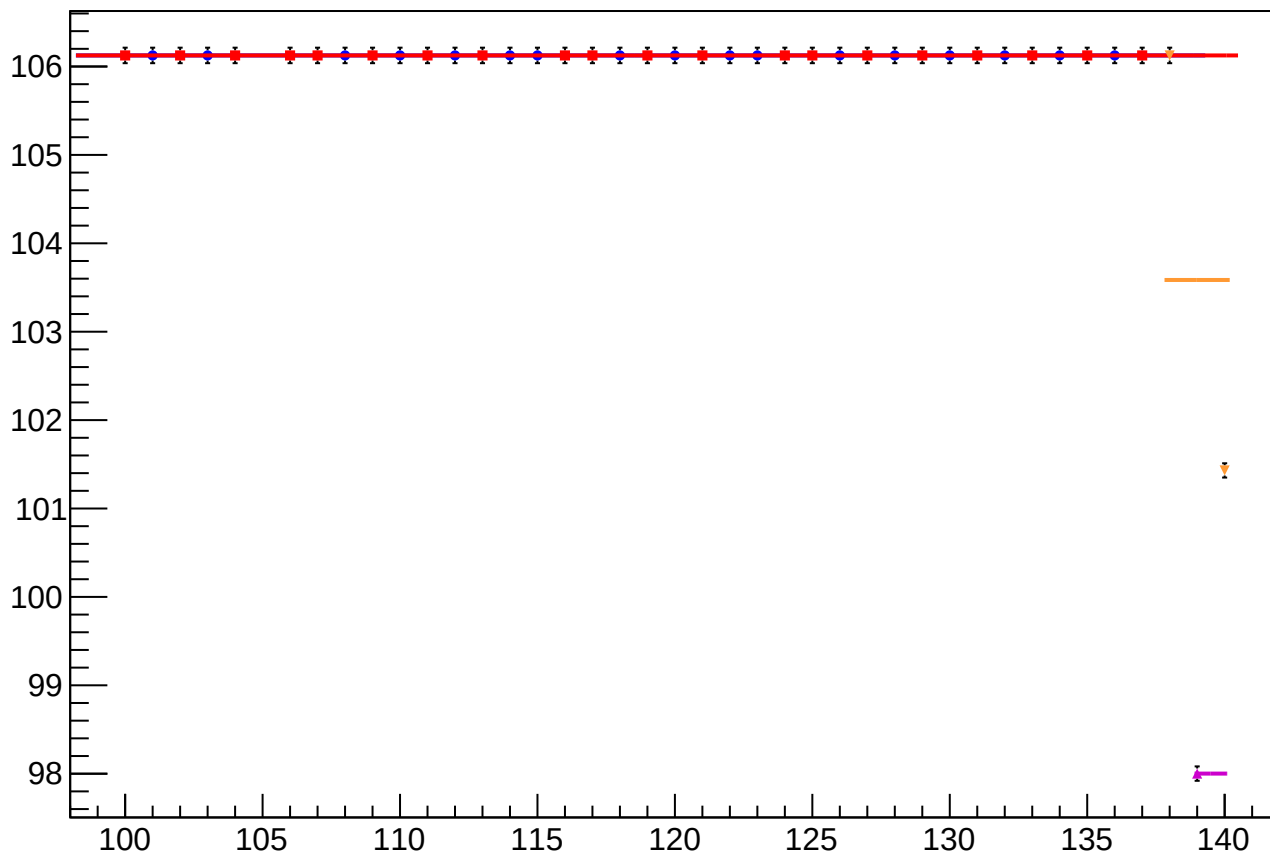
Left In: -103.290 $\pm$ 115.244 χ^2/NDF : 0.0/0

262.004 $\pm$ 28.348 χ^2/NDF : 1.0/18

-11.857 $\pm$ 19.546 χ^2/NDF : 180.9/39

-260.075 $\pm$ 26.988 χ^2/NDF : 2.0/20

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 106.125 ± 0.021 χ^2/NDF : 0.0/16

Left Out: 103.585 ± 0.059 χ^2/NDF : 1547.4/1

Right Out: 106.125 ± 0.020 χ^2/NDF : 0.0/19

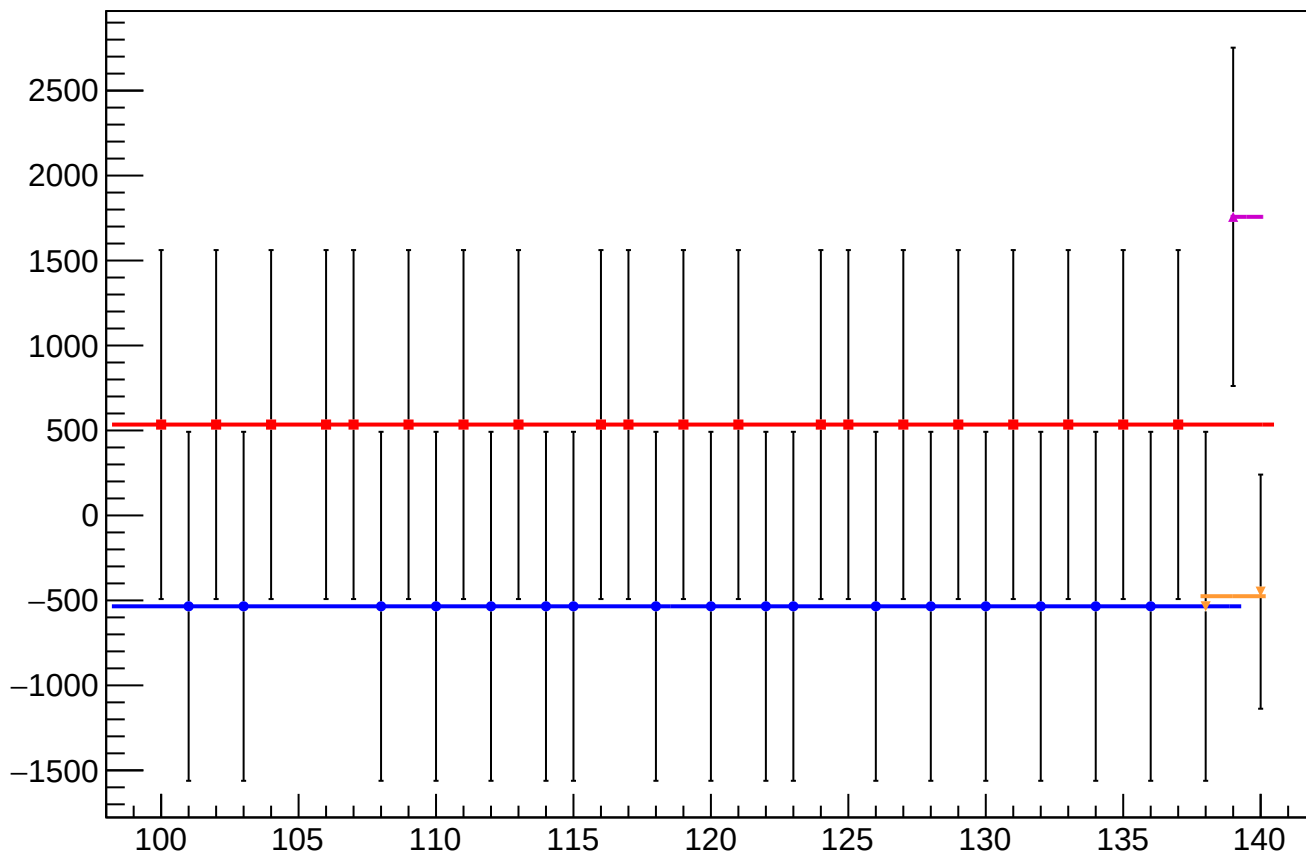
Left In: 98.001 ± 0.081 χ^2/NDF : 0.0/0

105.837 ± 0.020 χ^2/NDF : 3164.5/18

105.754 ± 0.014 χ^2/NDF : 12590.6/39

105.680 ± 0.019 χ^2/NDF : 9393.9/20

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: -534.744+/-249.039 χ^2/NDF : 0.0/16

Left Out: -475.296+/-572.096 χ^2/NDF : 0.0/1

Right Out: 534.744+/-229.602 χ^2/NDF : 0.0/19

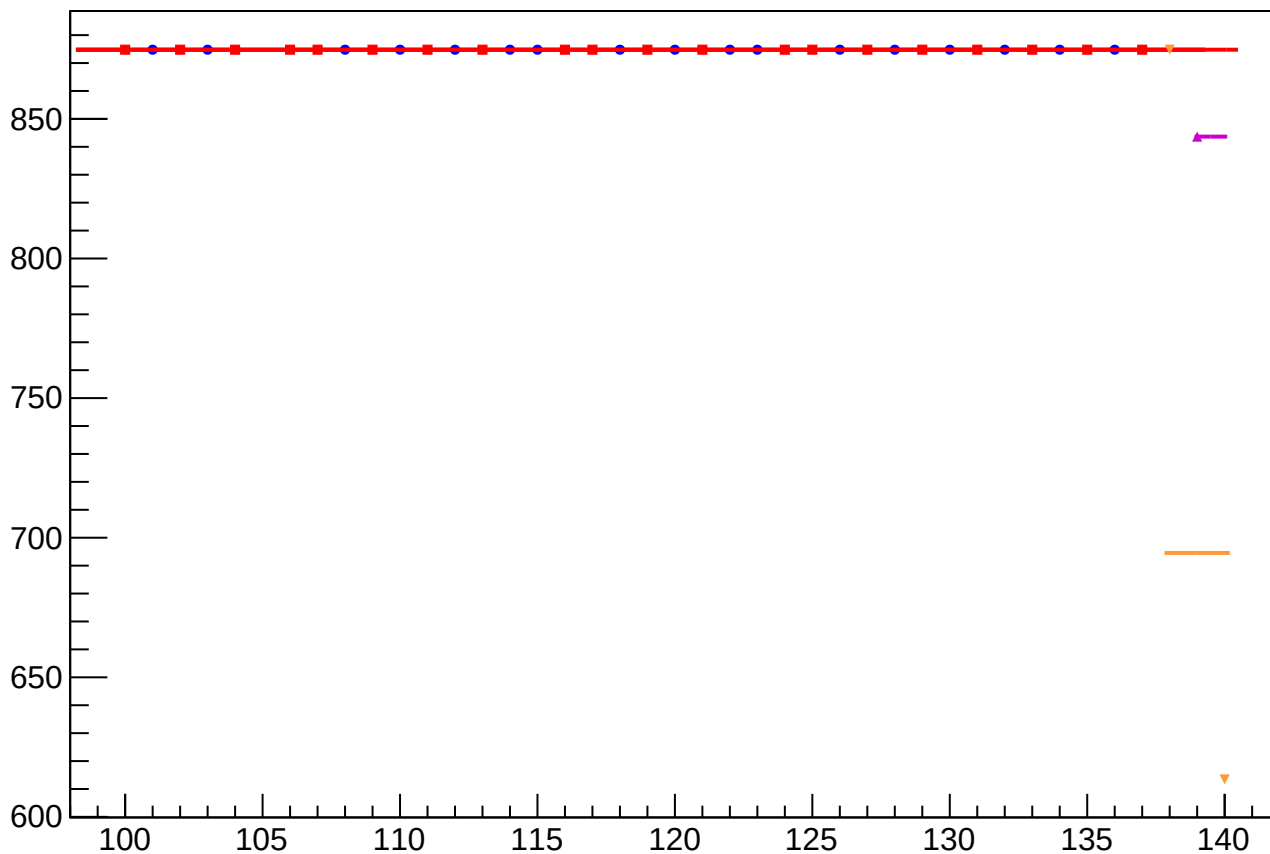
Left In: 1757.168+/-995.440 χ^2/NDF : 0.0/0

-525.274+/-228.342 χ^2/NDF : 0.0/18

47.057+/-159.806 χ^2/NDF : 13.8/39

596.494+/-223.728 χ^2/NDF : 1.4/20

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 874.783 ± 0.176 χ^2/NDF : 0.0/16

Left Out: 694.557 ± 0.405 χ^2/NDF : 89351.3/1

Right Out: 874.783 ± 0.162 χ^2/NDF : 0.0/19

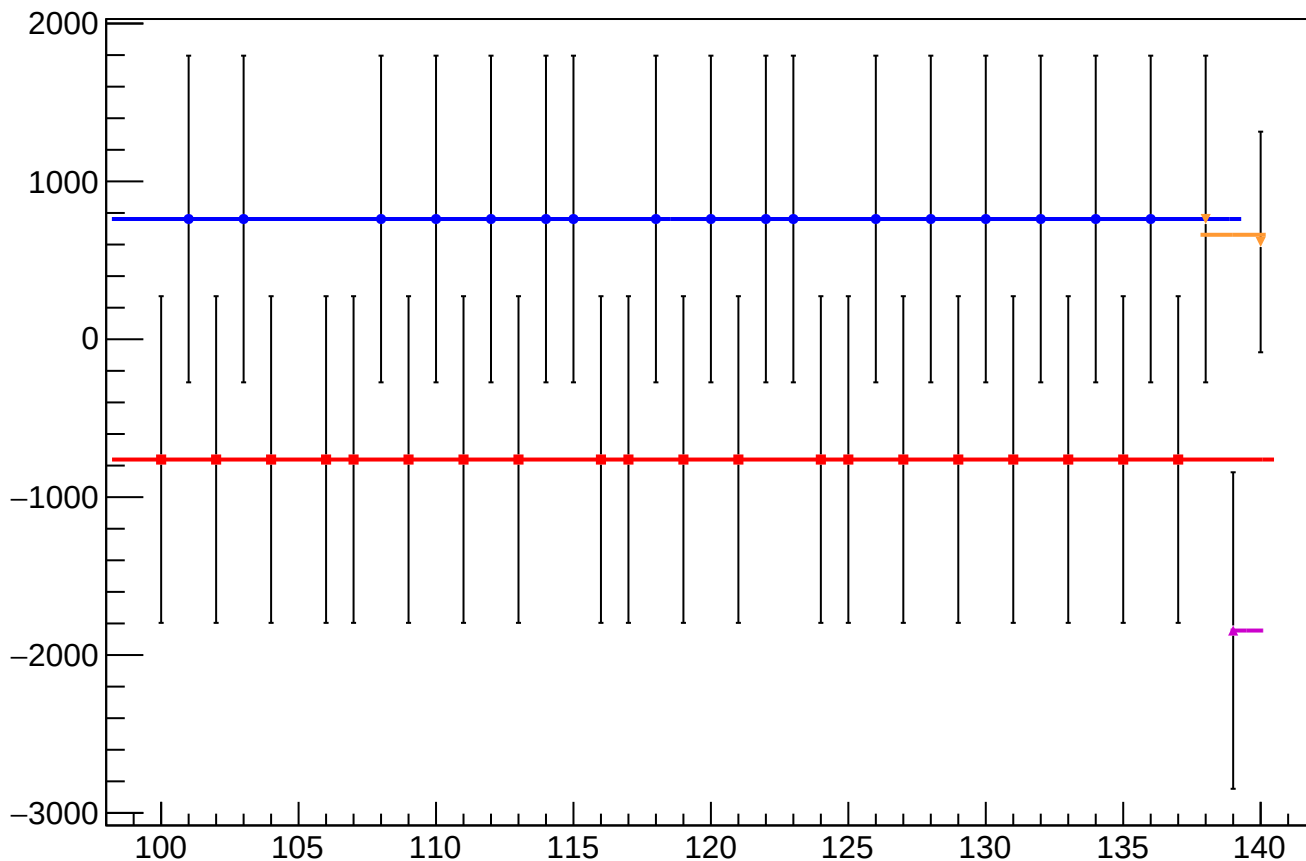
Left In: 843.657 ± 0.704 χ^2/NDF : 0.0/0

846.072 ± 0.161 χ^2/NDF : 256216.4/18

859.918 ± 0.113 χ^2/NDF : 272487.1/39

873.211 ± 0.158 χ^2/NDF : 1856.7/20

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 761.735 ± 250.914 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 661.817 ± 579.006 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -761.735 ± 231.331 $\chi^2/\text{NDF}: 0.0/19$

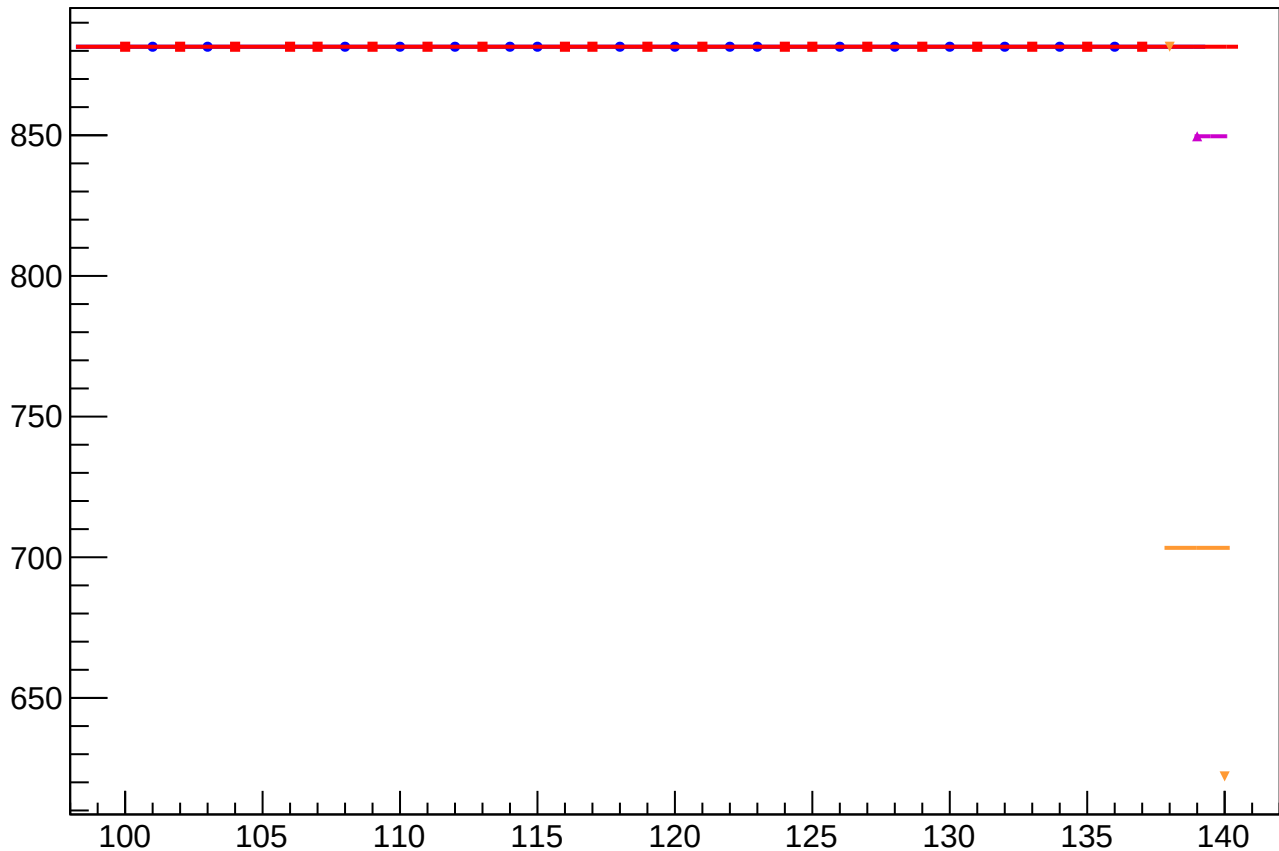
Left In: -1844.865 ± 1002.377 $\chi^2/\text{NDF}: 0.0/0$

745.938 ± 230.226 $\chi^2/\text{NDF}: 0.0/18$

-51.809 ± 161.063 $\chi^2/\text{NDF}: 24.7/39$

-816.506 ± 225.406 $\chi^2/\text{NDF}: 1.1/20$

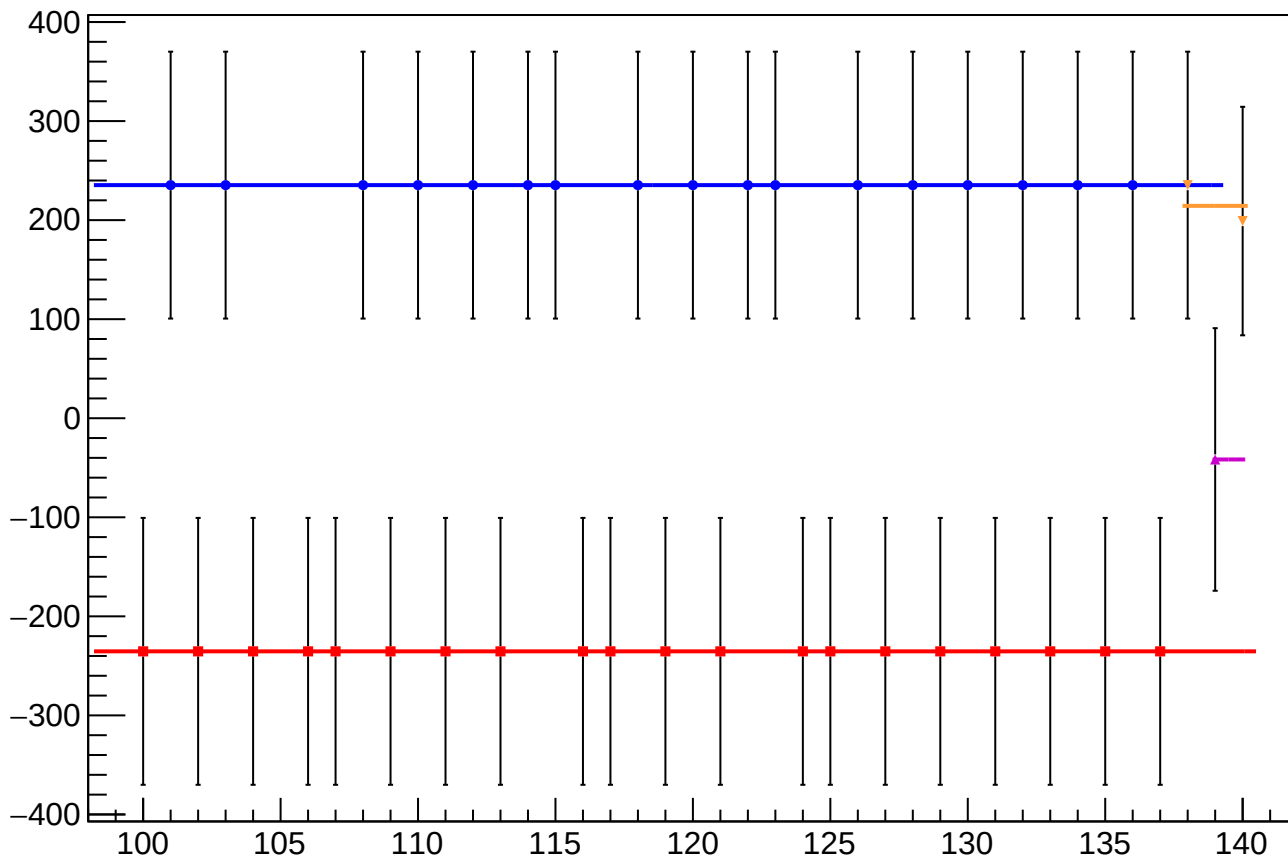
asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 881.467 $\pm$ 0.177 χ^2 /NDF: 0.0/16
Left Out: 703.347 $\pm$ 0.409 χ^2 /NDF:86327.3/1
Right Out: 881.467 $\pm$ 0.164 χ^2 /NDF: 0.0/19
Left In: 849.642 $\pm$ 0.709 χ^2 /NDF:0.0/0

853.306 $\pm$ 0.163 χ^2 /NDF: 245675.8/18
866.863 $\pm$ 0.114 χ^2 /NDF: 261172.5/39
879.858 $\pm$ 0.159 χ^2 /NDF: 1914.2/20

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 235.346 $\pm$ 32.676 χ^2/NDF : 0.0/16

Left Out: 214.411 $\pm$ 87.618 χ^2/NDF : 0.0/1

Right Out: -235.346 $\pm$ 30.125 χ^2/NDF : 0.0/19

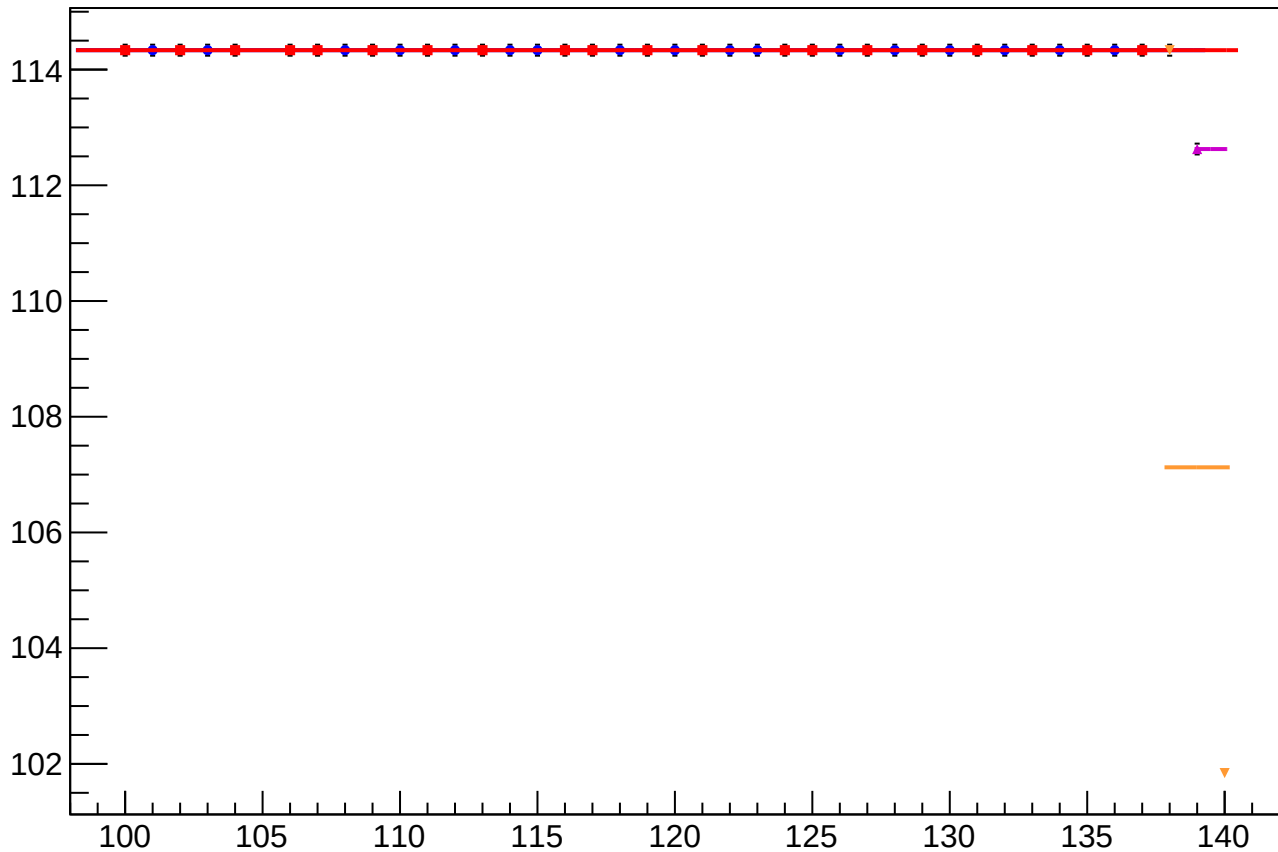
Left In: -41.628 $\pm$ 132.560 χ^2/NDF : 0.0/0

232.790 $\pm$ 30.616 χ^2/NDF : 0.1/18

-5.993 $\pm$ 21.197 χ^2/NDF : 119.0/39

-225.833 $\pm$ 29.376 χ^2/NDF : 2.0/20

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 114.335 ± 0.023 χ^2/NDF : 0.0/16

Left Out: 107.126 ± 0.062 χ^2/NDF : 9925.2/1

Right Out: 114.335 ± 0.021 χ^2/NDF : 0.0/19

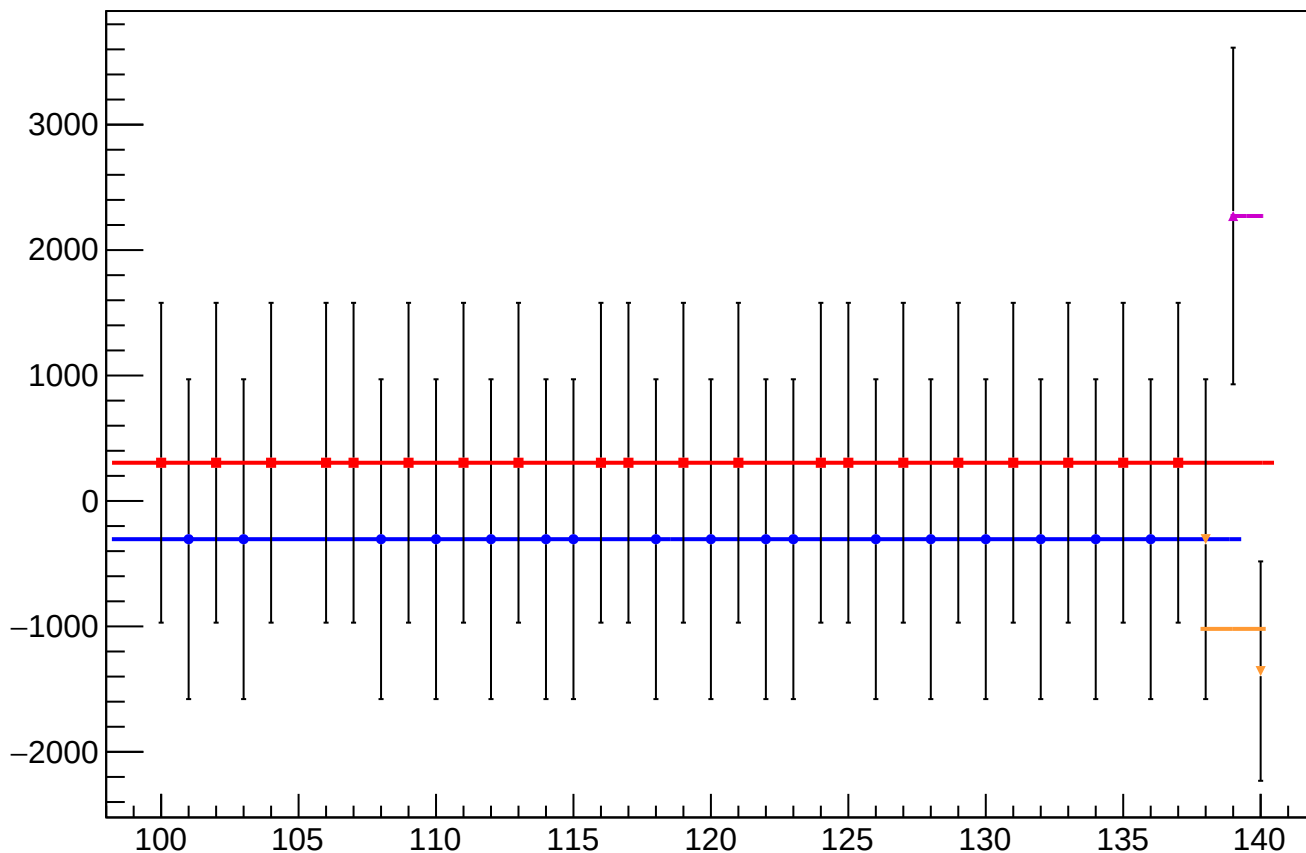
Left In: 112.627 ± 0.094 χ^2/NDF : 0.0/0

113.455 ± 0.022 χ^2/NDF : 21812.9/18

113.870 ± 0.015 χ^2/NDF : 22833.4/39

114.251 ± 0.021 χ^2/NDF : 316.0/20

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: -304.659+/-309.179 χ^2/NDF : 0.0/16

Left Out: -1019.772+/-721.130 χ^2/NDF : 0.5/1

Right Out: 304.659+/-285.049 χ^2/NDF : 0.0/19

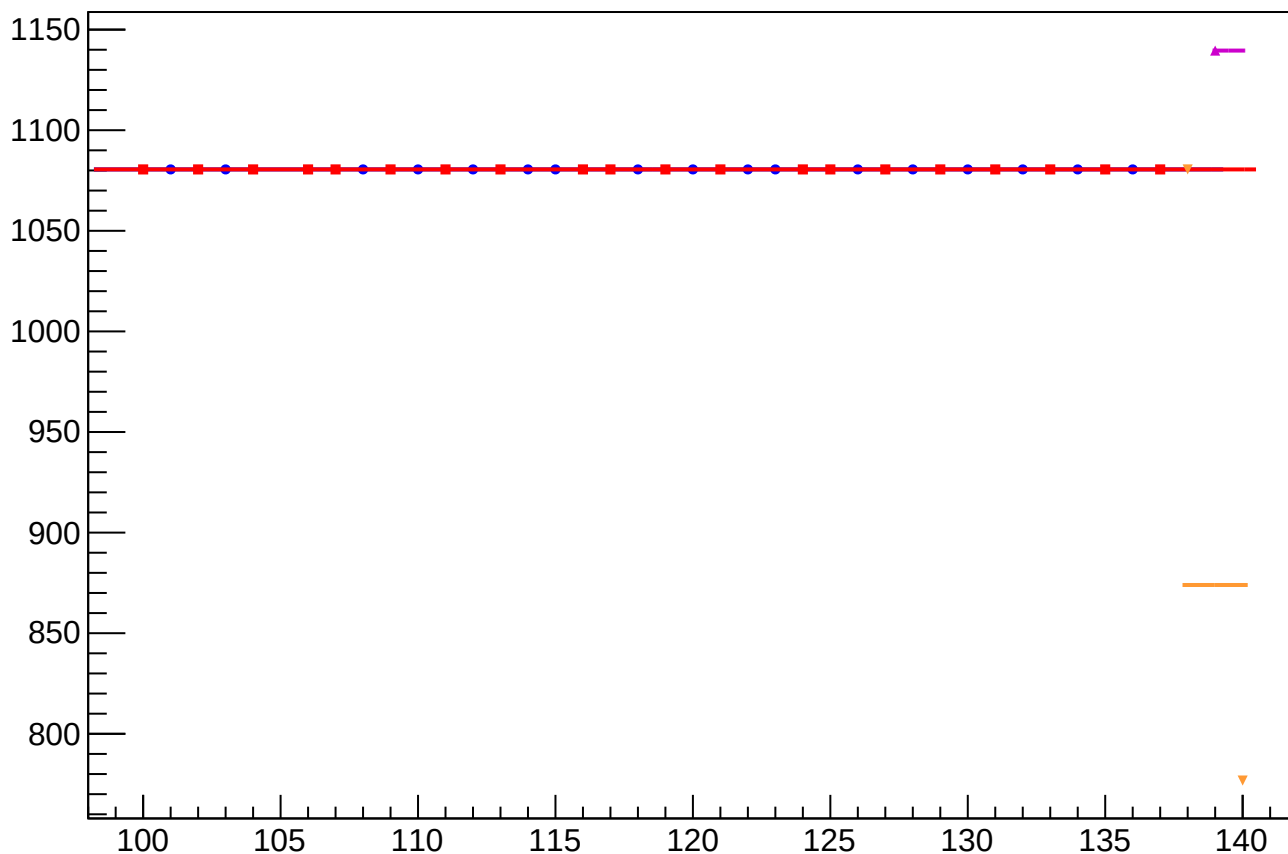
Left In: 2271.776+/-1341.828 χ^2/NDF : 0.0/0

-415.700+/-284.163 χ^2/NDF : 1.3/18

-5.419+/-199.020 χ^2/NDF : 7.4/39

389.598+/-278.827 χ^2/NDF : 2.1/20

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 1080.515 $\pm$ 0.219 χ^2 /NDF: 0.0/16

Left Out: 873.966 $\pm$ 0.510 χ^2 /NDF: 77214.8/1

Right Out: 1080.515 $\pm$ 0.202 χ^2 /NDF: 0.0/19

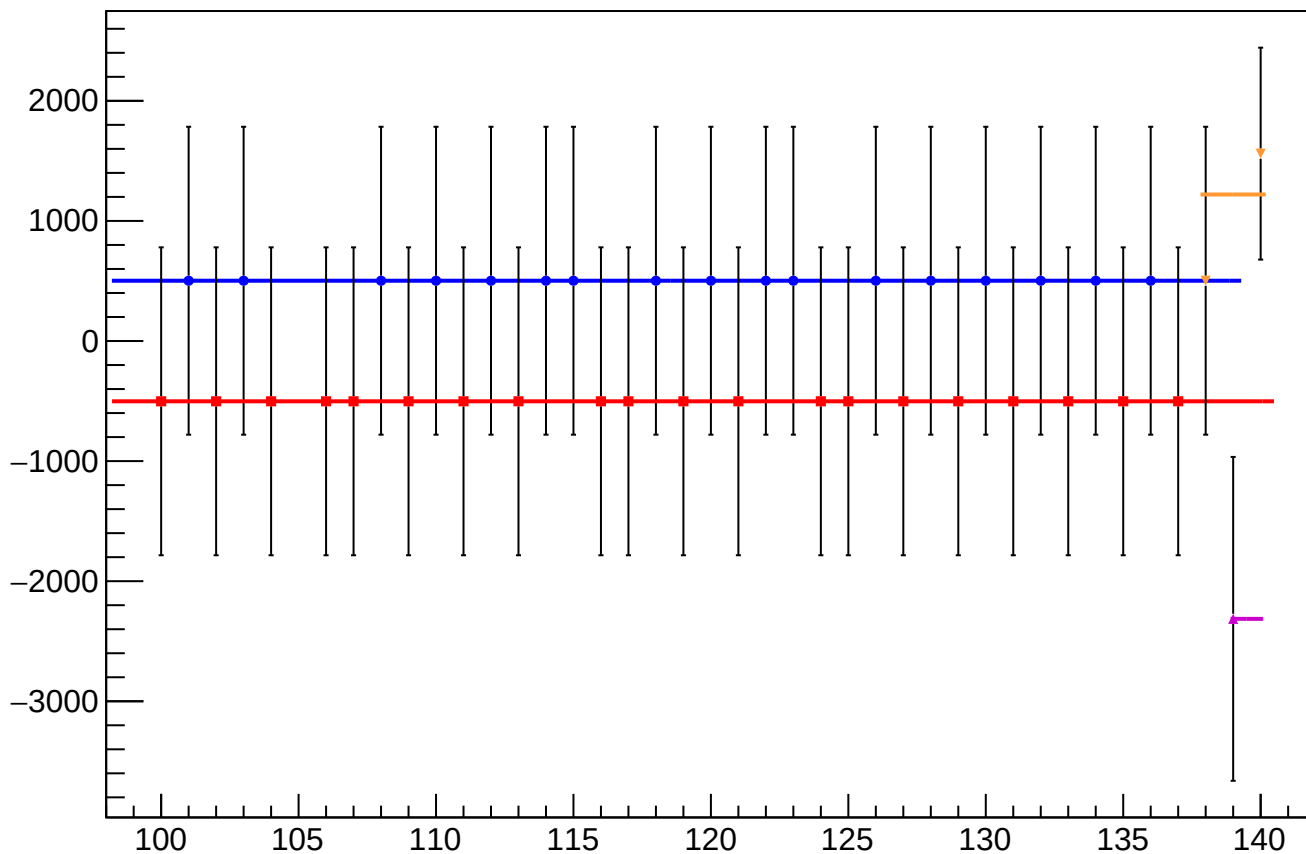
Left In: 1139.580 $\pm$ 0.949 χ^2 /NDF: 0.0/0

1048.443 $\pm$ 0.201 χ^2 /NDF: 215814.7/18

1066.082 $\pm$ 0.141 χ^2 /NDF: 234649.3/39

1083.065 $\pm$ 0.197 χ^2 /NDF: 3707.9/20

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 502.043+/-310.943 χ^2/NDF : 0.0/16

Left Out: 1220.164+/-726.882 χ^2/NDF : 0.5/1

Right Out: -502.043+/-286.675 χ^2/NDF : 0.0/19

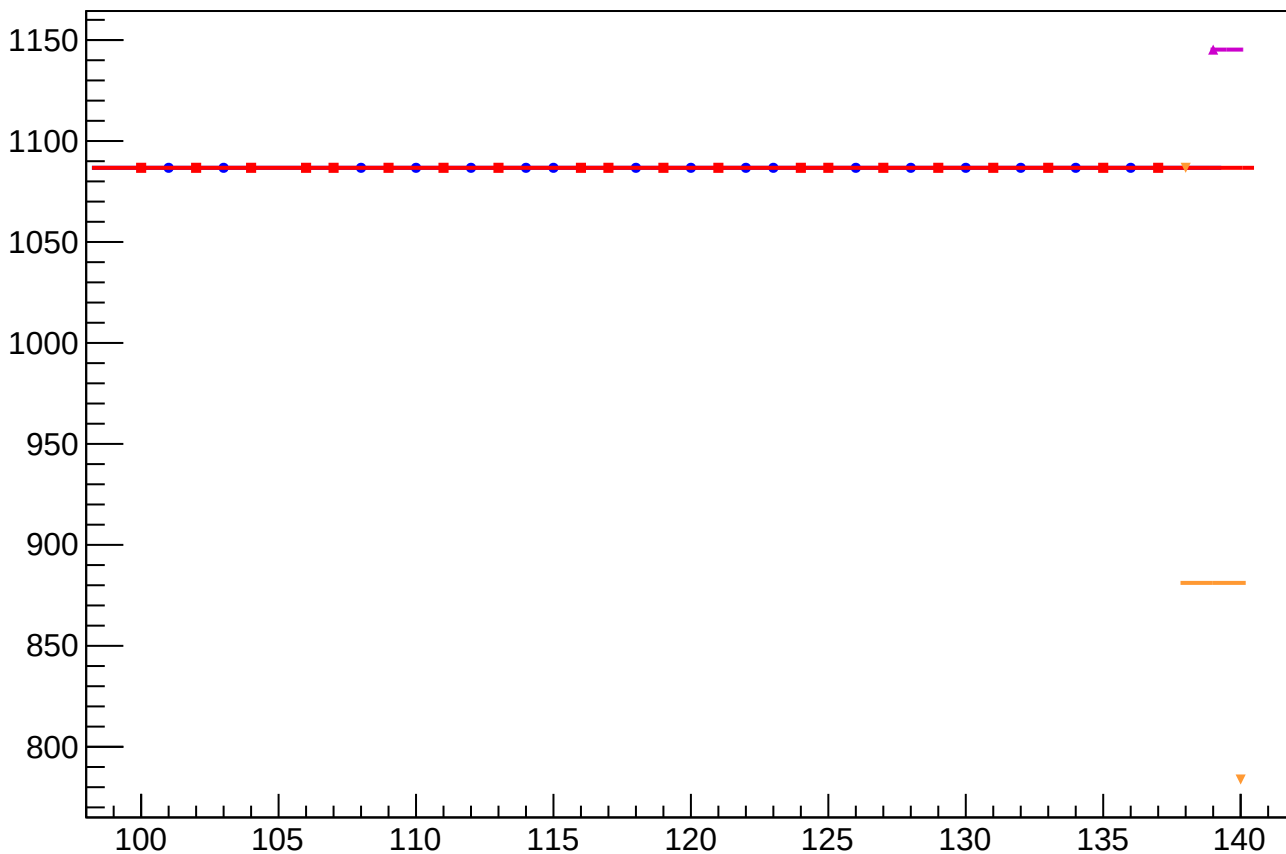
Left In: -2313.751+/-1348.492 χ^2/NDF : 0.0/0

613.126+/-285.884 χ^2/NDF : 1.3/18

4.834+/-200.186 χ^2/NDF : 11.9/39

-580.381+/-280.409 χ^2/NDF : 1.7/20

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.731+/-0.220 χ^2/NDF : 0.0/16

Left Out: 881.171+/-0.514 χ^2/NDF :75773.9/1

Right Out: 1086.731+/-0.203 χ^2/NDF : 0.0/19

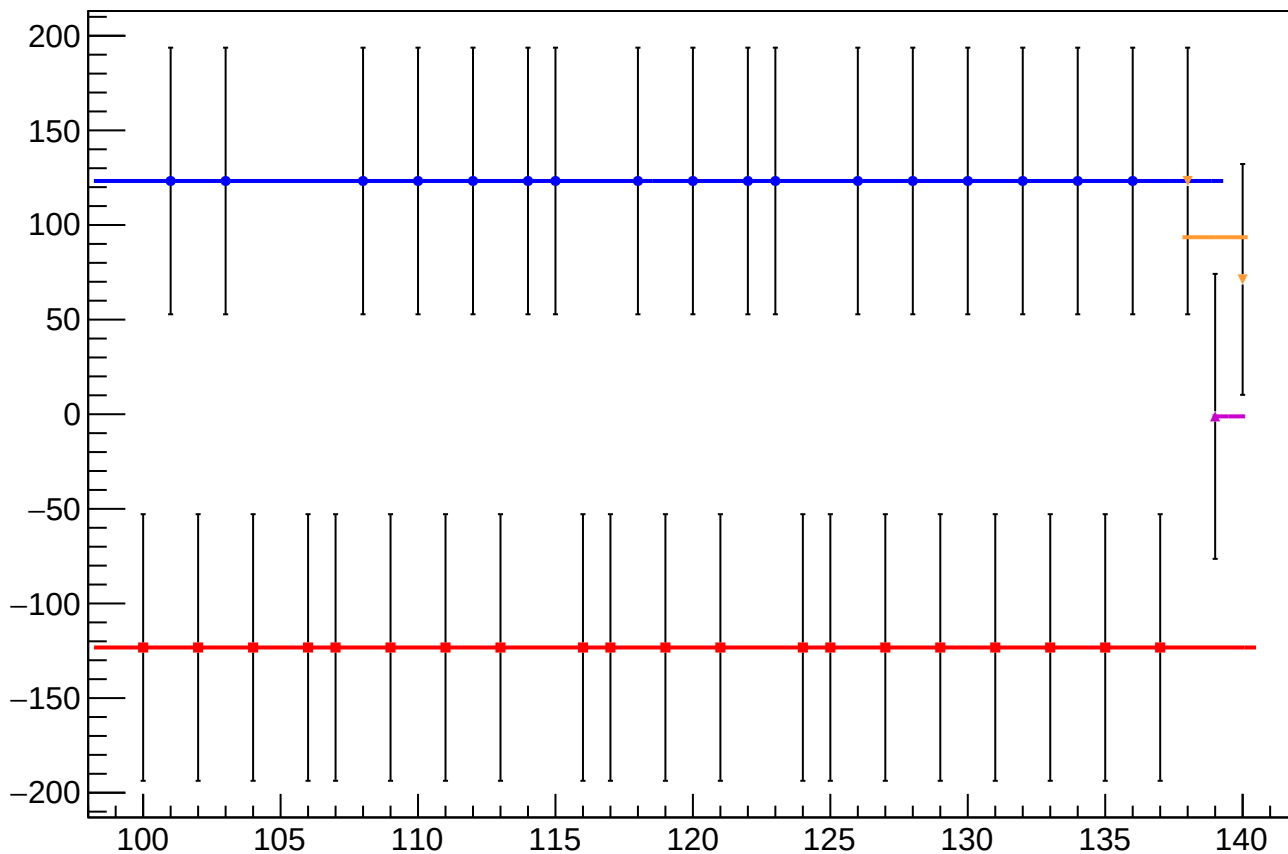
Left In: 1145.272+/-0.954 χ^2/NDF :0.0/0

1054.934+/-0.202 χ^2/NDF : 210980.8/18

1072.430 $\pm$ 0.142 χ^2 /NDF: 229284.8/39

1089.262+/-0.198 χ^2/NDF : 3606.3/20

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 123.260 $\pm$ 17.085 χ^2 /NDF: 0.0/16

Left Out: 93.531 $\pm$ 46.108 χ^2 /NDF:0.3/1

Right Out: -123.260 $\pm$ 15.751 χ^2 /NDF: 0.0/19

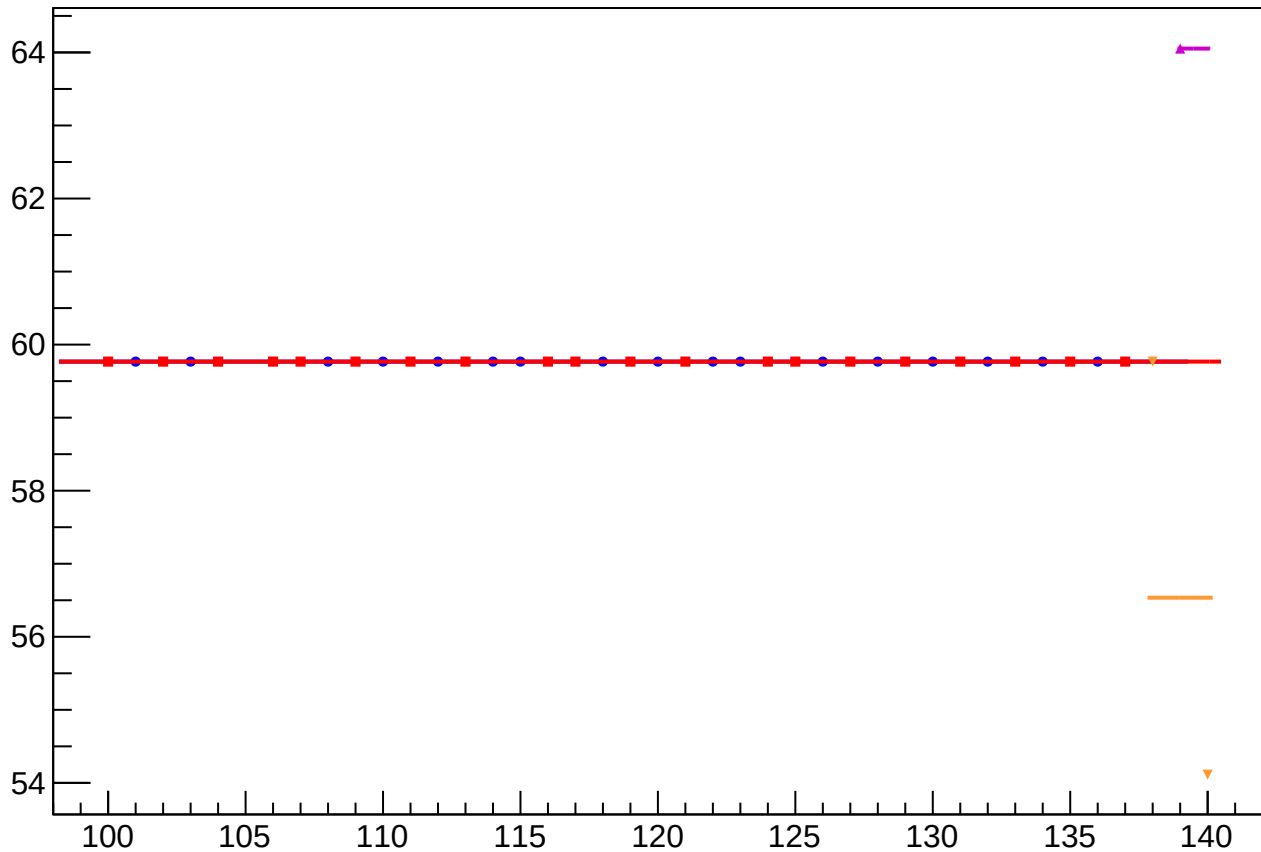
Left In: -1.125 $\pm$ 75.294 χ^2 /NDF:0.0/0

119.671 $\pm$ 16.020 χ^2 /NDF: 0.7/18

-3.792 $\pm$ 11.109 χ^2 /NDF: 117.6/39

-118.139 $\pm$ 15.418 χ^2 /NDF: 2.5/20

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 59.767 $\pm$ 0.012 χ^2 /NDF: 0.0/16

Left Out: 56.535 $\pm$ 0.033 χ^2 /NDF: 7366.2/1

Right Out: 59.767 $\pm$ 0.011 χ^2 /NDF: 0.0/19

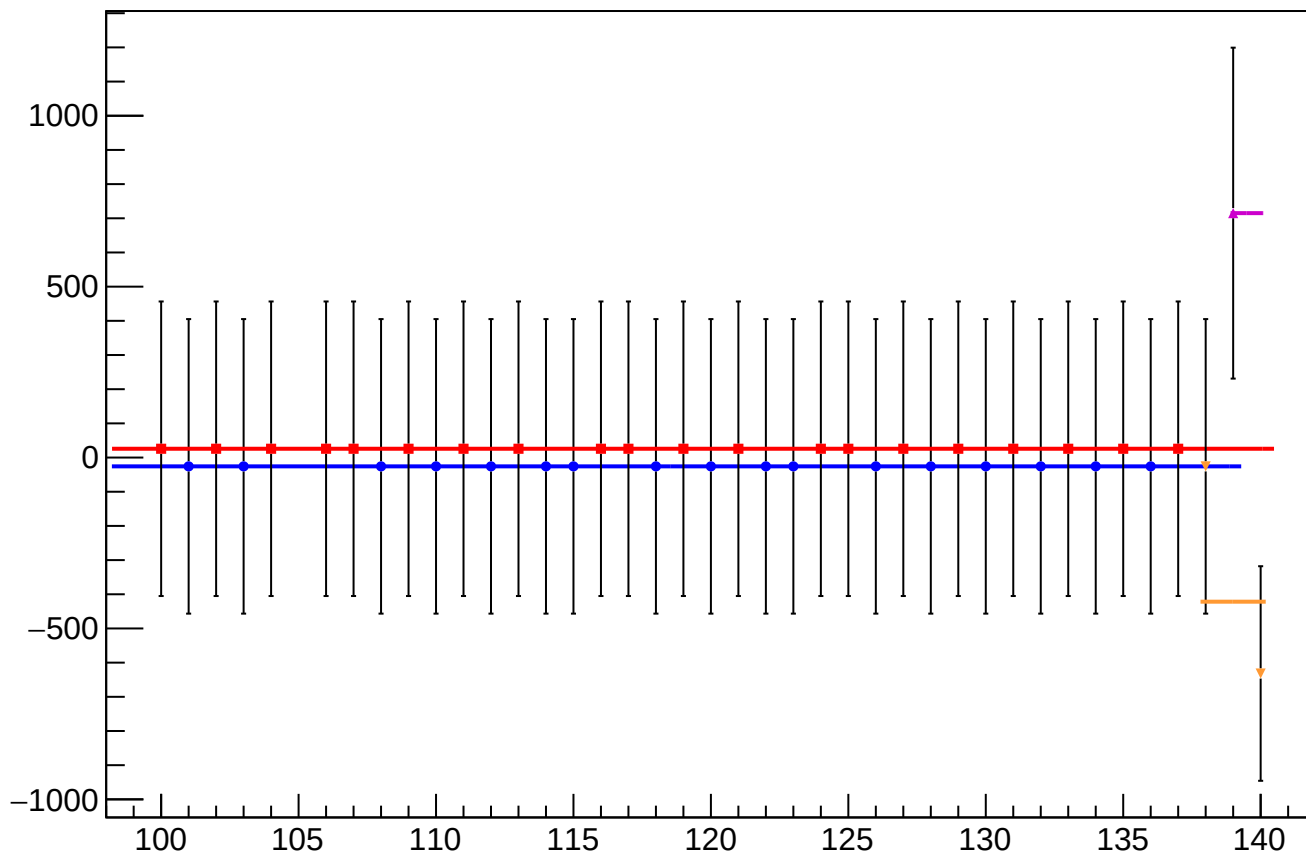
Left In: 64.053 $\pm$ 0.053 χ^2 /NDF: 0.0/0

59.377 $\pm$ 0.011 χ^2 /NDF: 16006.7/18

59.673 $\pm$ 0.008 χ^2 /NDF: 23528.9/39

59.947 $\pm$ 0.011 χ^2 /NDF: 6208.3/20

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -25.761 ± 104.501 χ^2/NDF : 0.0/16

Left Out: -421.685 ± 253.706 χ^2/NDF : 1.3/1

Right Out: 25.761 ± 96.345 χ^2/NDF : 0.0/19

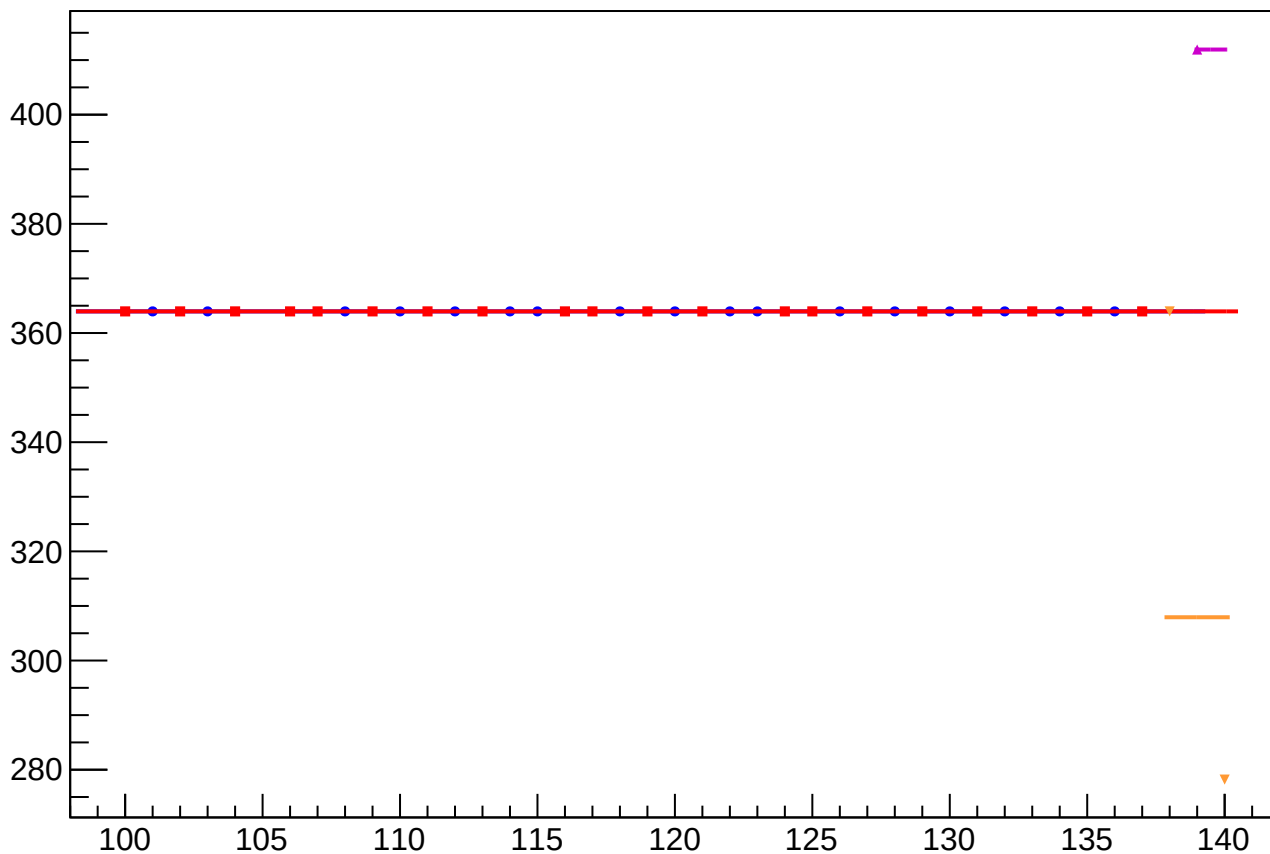
Left In: 715.089 ± 484.097 χ^2/NDF : 0.0/0

-83.190 ± 96.625 χ^2/NDF : 3.4/18

-14.074 ± 67.557 χ^2/NDF : 6.3/39

52.024 ± 94.492 χ^2/NDF : 2.0/20

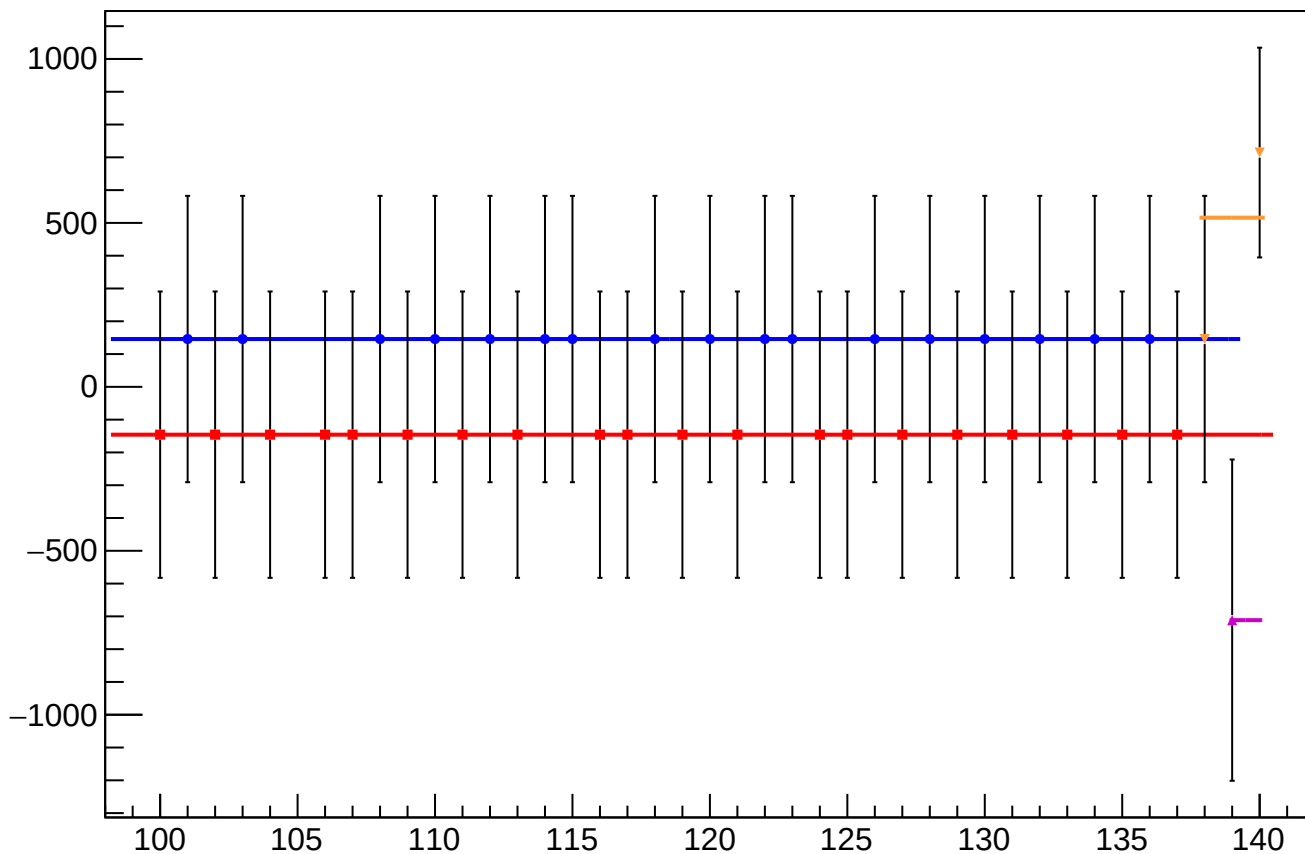
asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 363.962 $\pm$ 0.074 χ^2 /NDF: 0.0/16
 Left Out: 307.930 $\pm$ 0.179 χ^2 /NDF: 51775.7/1
 Right Out: 363.962 $\pm$ 0.068 χ^2 /NDF: 0.0/19
 Left In: 411.932 $\pm$ 0.342 χ^2 /NDF: 0.0/0

355.835 $\pm$ 0.068 χ^2 /NDF: 135180.9/18
 360.924 $\pm$ 0.048 χ^2 /NDF: 164922.1/39
 365.790 $\pm$ 0.067 χ^2 /NDF: 18889.3/20

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 145.833 $\pm$ 105.907 χ^2/NDF : 0.0/16

Left Out: 515.964 $\pm$ 258.045 χ^2/NDF : 1.1/1

Right Out: -145.833 $\pm$ 97.641 χ^2/NDF : 0.0/19

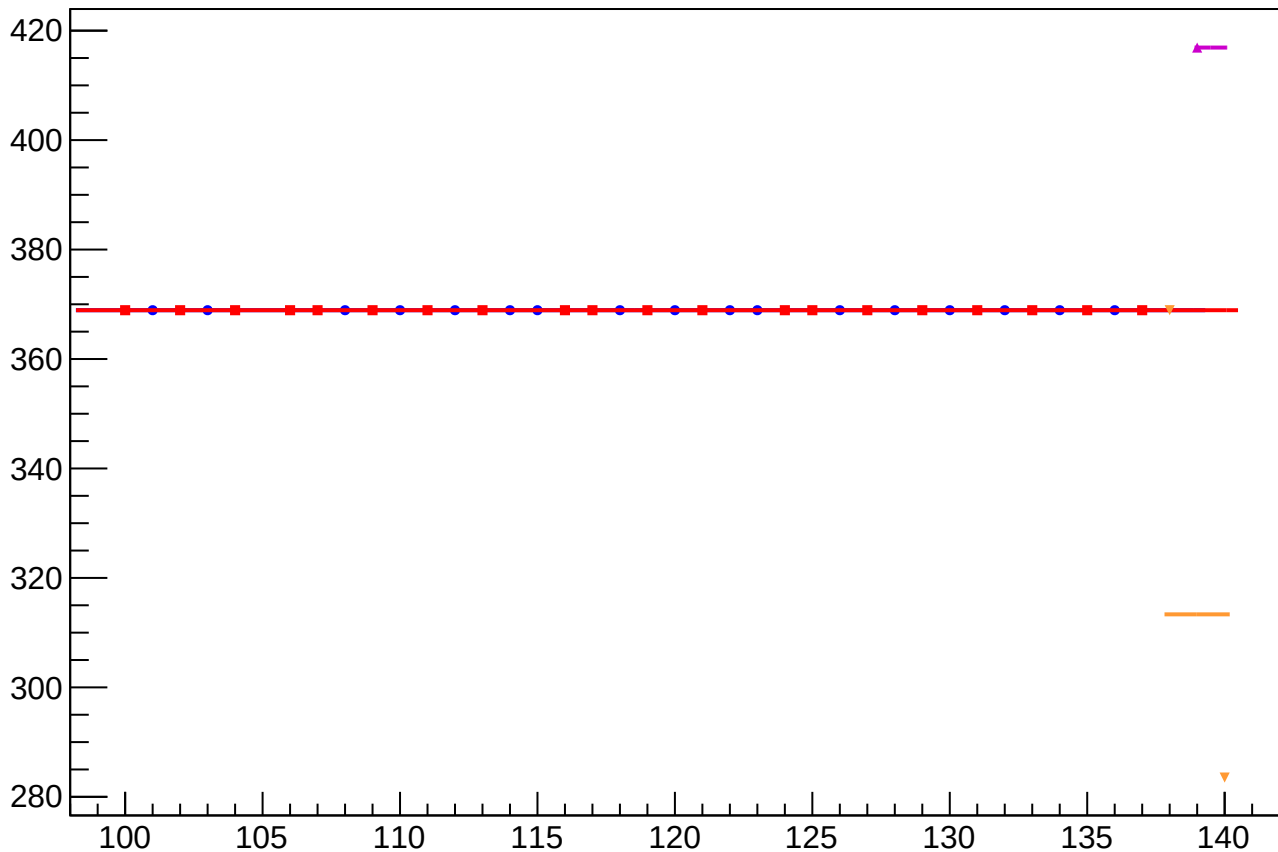
Left In: -711.531 $\pm$ 489.944 χ^2/NDF : 0.0/0

199.191 $\pm$ 97.976 χ^2/NDF : 2.9/18

11.678 $\pm$ 68.482 χ^2/NDF : 11.3/39

-167.442 $\pm$ 95.758 χ^2/NDF : 1.3/20

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 368.918+/-0.075 χ^2/NDF : 0.0/16

Left Out: 313.343+/-0.182 χ^2/NDF : 49780.0/1

Right Out: 368.918+/-0.069 χ^2/NDF : 0.0/19

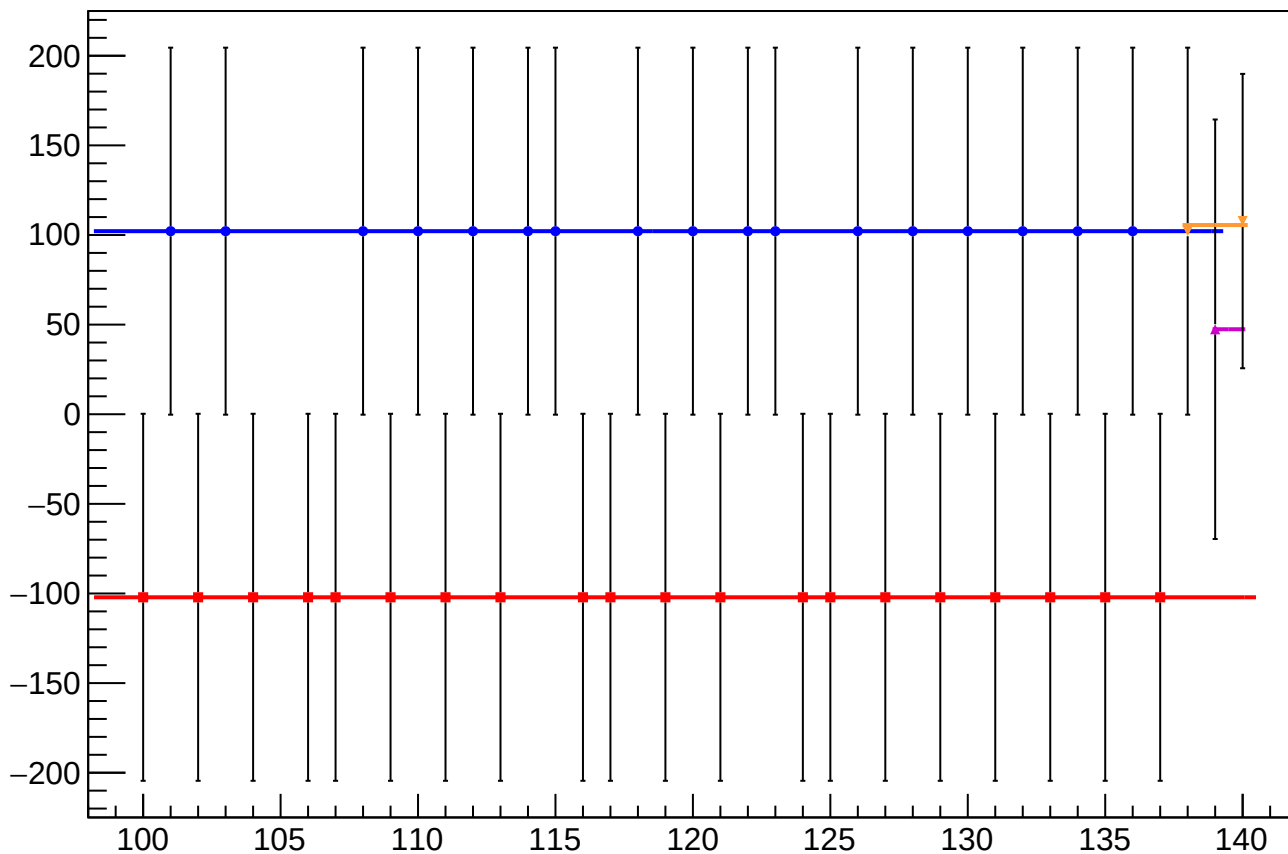
Left In: 416.909+/-0.346 χ^2/NDF : 0.0/0

360.906+/-0.069 χ^2/NDF : 129174.2/18

365.942+/-0.048 χ^2/NDF : 157958.4/39

370.751+/-0.068 χ^2/NDF : 18456.1/20

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 102.129 $\pm$ 24.831 χ^2 /NDF: 0.0/16

Left Out: 105.562 $\pm$ 64.055 χ^2 /NDF: 0.0/1

Right Out: -102.129 $\pm$ 22.893 χ^2 /NDF: 0.0/19

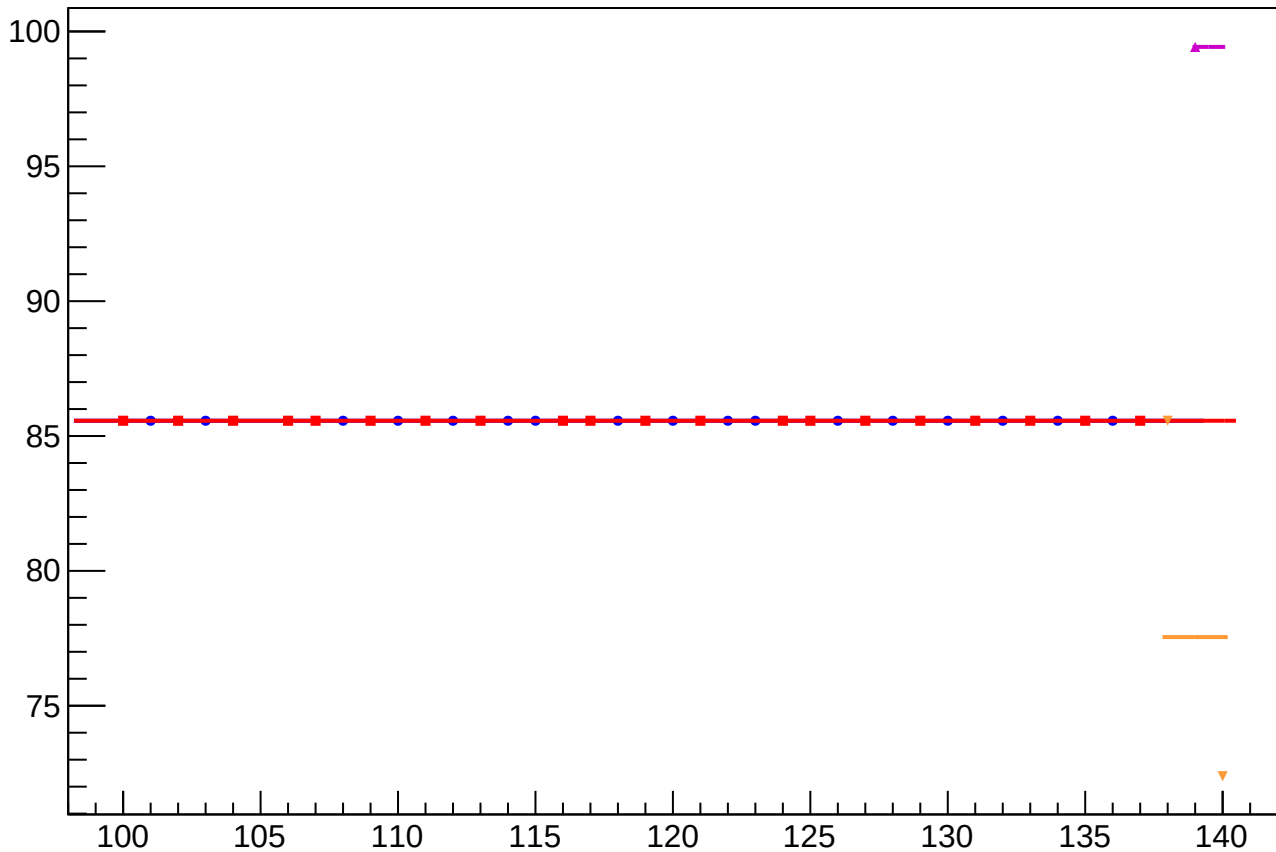
Left In: 47.416 $\pm$ 117.019 χ^2 /NDF: 0.0/0

102.578 $\pm$ 23.152 χ^2 /NDF: 0.0/18

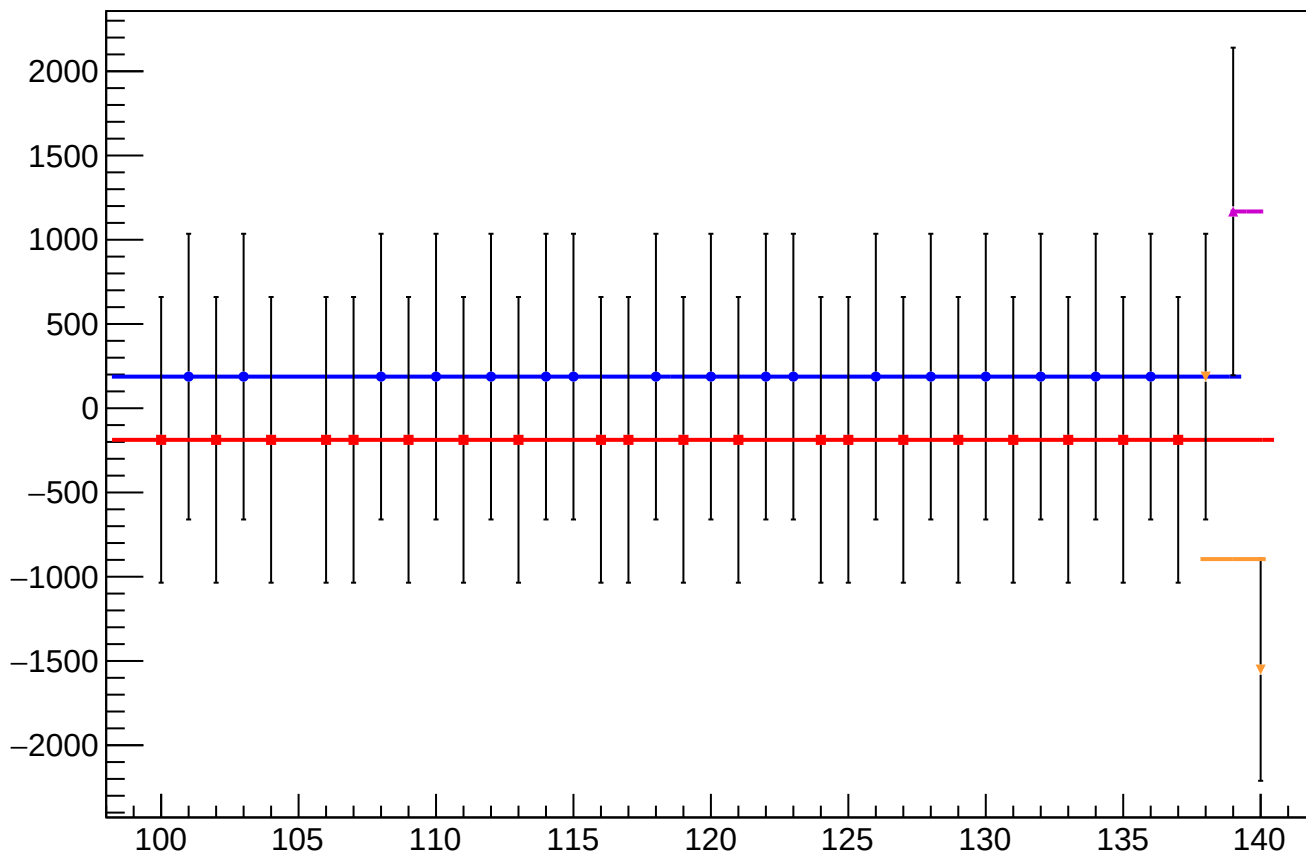
-0.011 $\pm$ 16.123 χ^2 /NDF: 39.7/39

-96.617 $\pm$ 22.467 χ^2 /NDF: 1.6/20

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: 187.636 $\pm$ 205.631 χ^2 /NDF: 0.0/16

Left Out: -895.331 $\pm$ 520.740 χ^2 /NDF:2.6/1

Right Out: -187.636 $\pm$ 189.582 χ^2 /NDF: 0.0/19

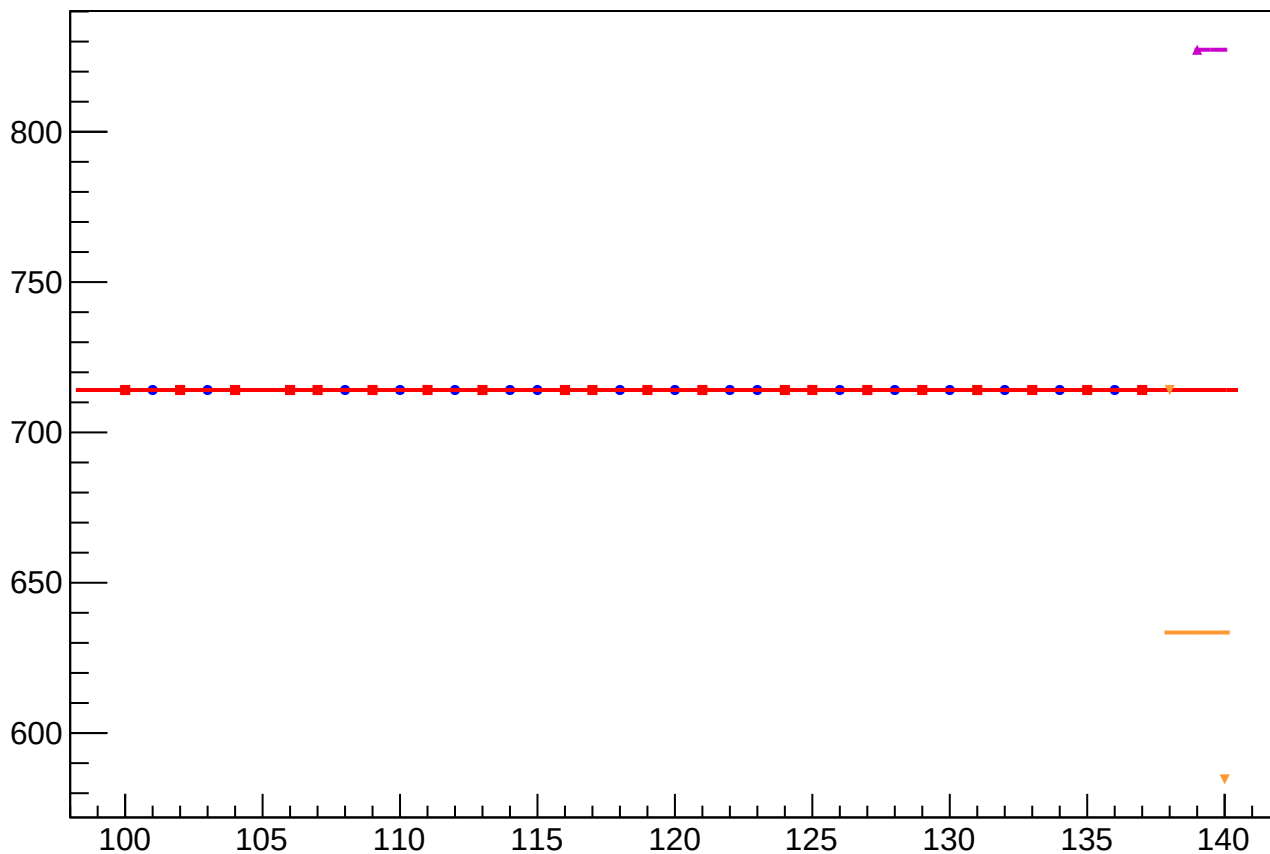
Left In: 1167.768 $\pm$ 972.236 χ^2 /NDF:0.0/0

41.547 $\pm$ 191.259 χ^2 /NDF: 6.4/18

-50.685 $\pm$ 133.371 χ^2 /NDF: 8.7/39

-137.987 $\pm$ 186.078 χ^2 /NDF: 1.9/20

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 714.113 $\pm$ 0.145 χ^2 /NDF: 0.0/16

Left Out: 633.453 $\pm$ 0.368 χ^2 /NDF: 29066.3/1

Right Out: 714.113 $\pm$ 0.134 χ^2 /NDF: 0.0/19

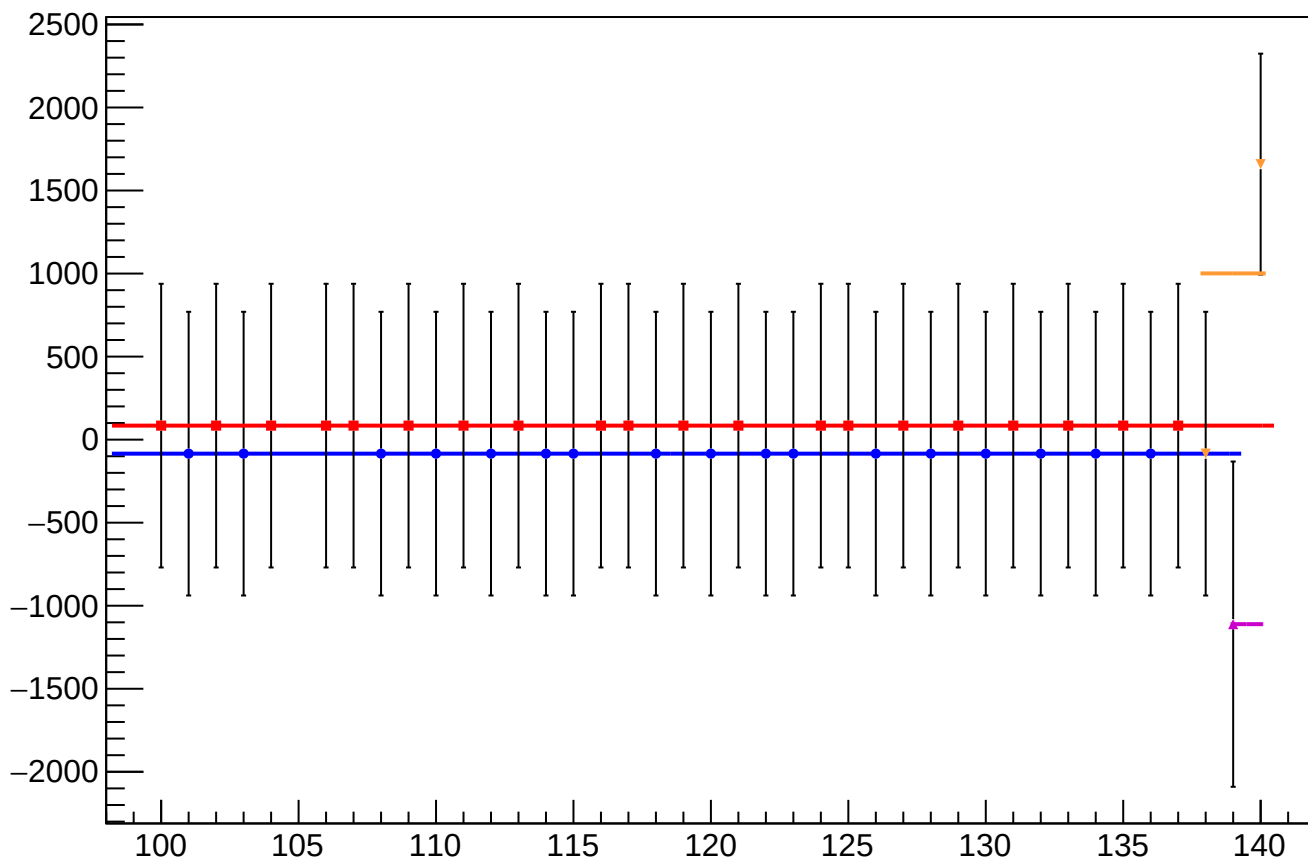
Left In: 827.285 $\pm$ 0.687 χ^2 /NDF: 0.0/0

703.232 $\pm$ 0.135 χ^2 /NDF: 70577.2/18

710.951 $\pm$ 0.094 χ^2 /NDF: 103026.5/39

718.258 $\pm$ 0.132 χ^2 /NDF: 26107.4/20

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: -84.386 ± 207.148 χ^2/NDF : 0.0/16

Left Out: 1000.932 ± 524.736 χ^2/NDF : 2.6/1

Right Out: 84.386 ± 190.981 χ^2/NDF : 0.0/19

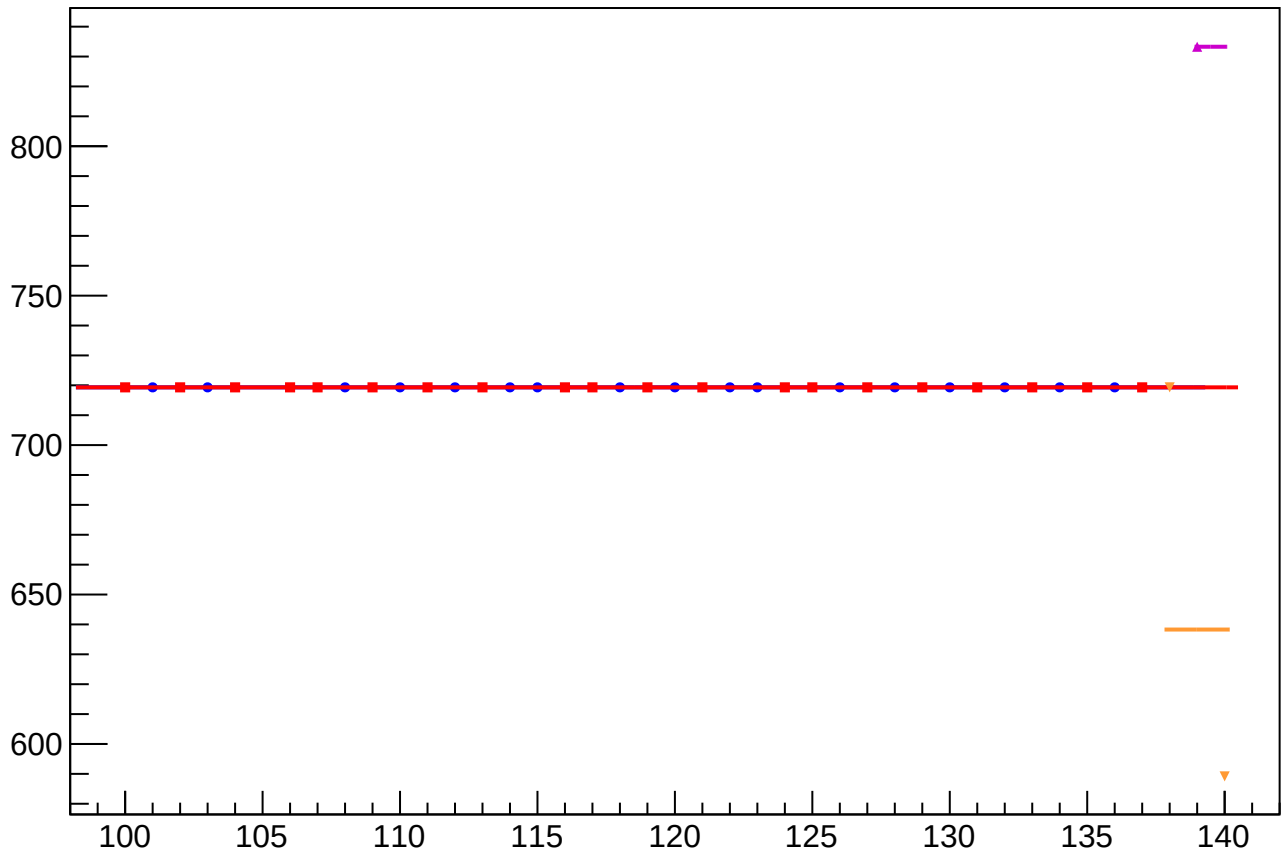
Left In: -1111.054 ± 979.291 χ^2/NDF : 0.0/0

61.946 ± 192.678 χ^2/NDF : 6.3/18

50.972 ± 134.358 χ^2/NDF : 7.7/39

40.586 ± 187.450 χ^2/NDF : 1.4/20

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 719.321 $\pm$ 0.146 χ^2 /NDF: 0.0/16

Left Out: 638.287 $\pm$ 0.371 χ^2 /NDF:28918.9/1

Right Out: 719.321 $\pm$ 0.135 χ^2 /NDF: 0.0/19

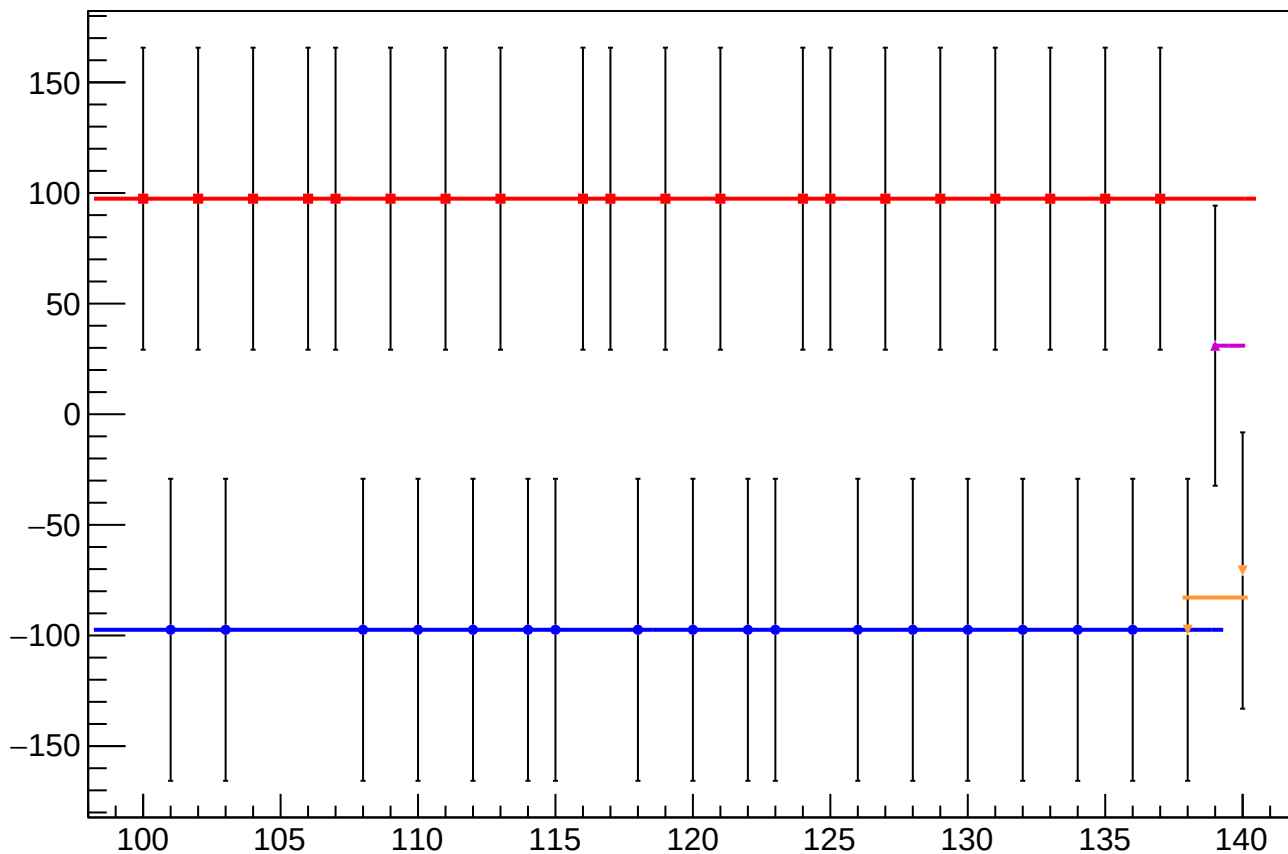
Left In: 833.280 $\pm$ 0.692 χ^2 /NDF:0.0/0

708.395 $\pm$ 0.136 χ^2 /NDF: 70183.9/18

716.153 $\pm$ 0.095 χ^2 /NDF: 102586.7/39

723.496 $\pm$ 0.133 χ^2 /NDF: 26091.3/20

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -97.426 $\pm$ 16.555 χ^2/NDF : 0.0/16

Left Out: -82.849 $\pm$ 46.076 χ^2/NDF : 0.1/1

Right Out: 97.426 $\pm$ 15.263 χ^2/NDF : 0.0/19

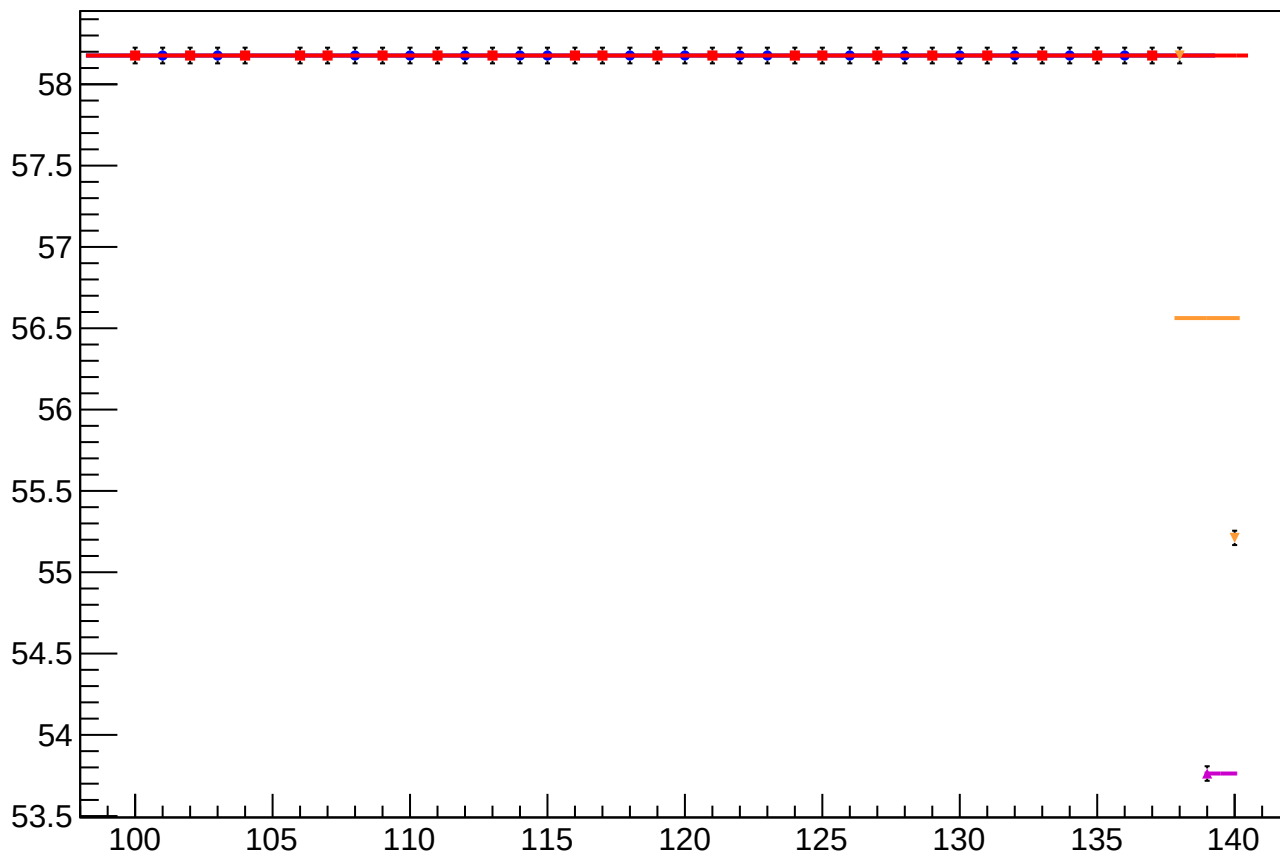
Left In: 30.985 $\pm$ 63.293 χ^2/NDF : 0.0/0

-95.760 $\pm$ 15.580 χ^2/NDF : 0.2/18

3.630 $\pm$ 10.744 χ^2/NDF : 78.8/39

93.775 $\pm$ 14.837 χ^2/NDF : 1.0/20

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 58.177 $\pm$ 0.012 χ^2 /NDF: 0.0/16

Left Out: 56.563 $\pm$ 0.033 χ^2 /NDF: 2055.1/1

Right Out: 58.177 $\pm$ 0.011 χ^2 /NDF: 0.0/19

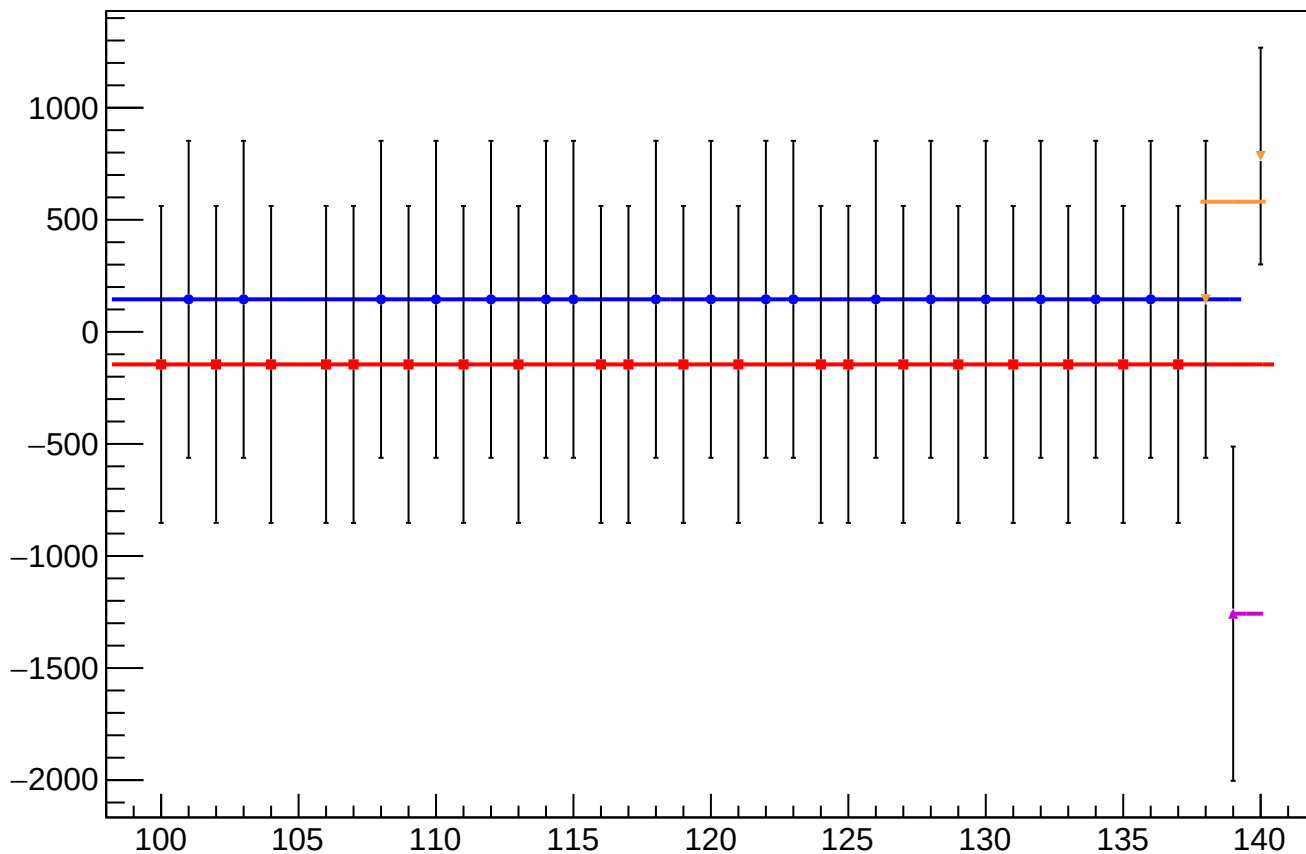
Left In: 53.762 $\pm$ 0.045 χ^2 /NDF: 0.0/0

57.992 $\pm$ 0.011 χ^2 /NDF: 4229.4/18

57.962 $\pm$ 0.008 χ^2 /NDF: 13438.1/39

57.934 $\pm$ 0.010 χ^2 /NDF: 9194.2/20

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 145.219 $\pm$ 171.503 χ^2 /NDF: 0.0/16

Left Out: 580.782 $\pm$ 399.160 χ^2 /NDF:0.6/1

Right Out: -145.219 $\pm$ 158.118 χ^2 /NDF: 0.0/19

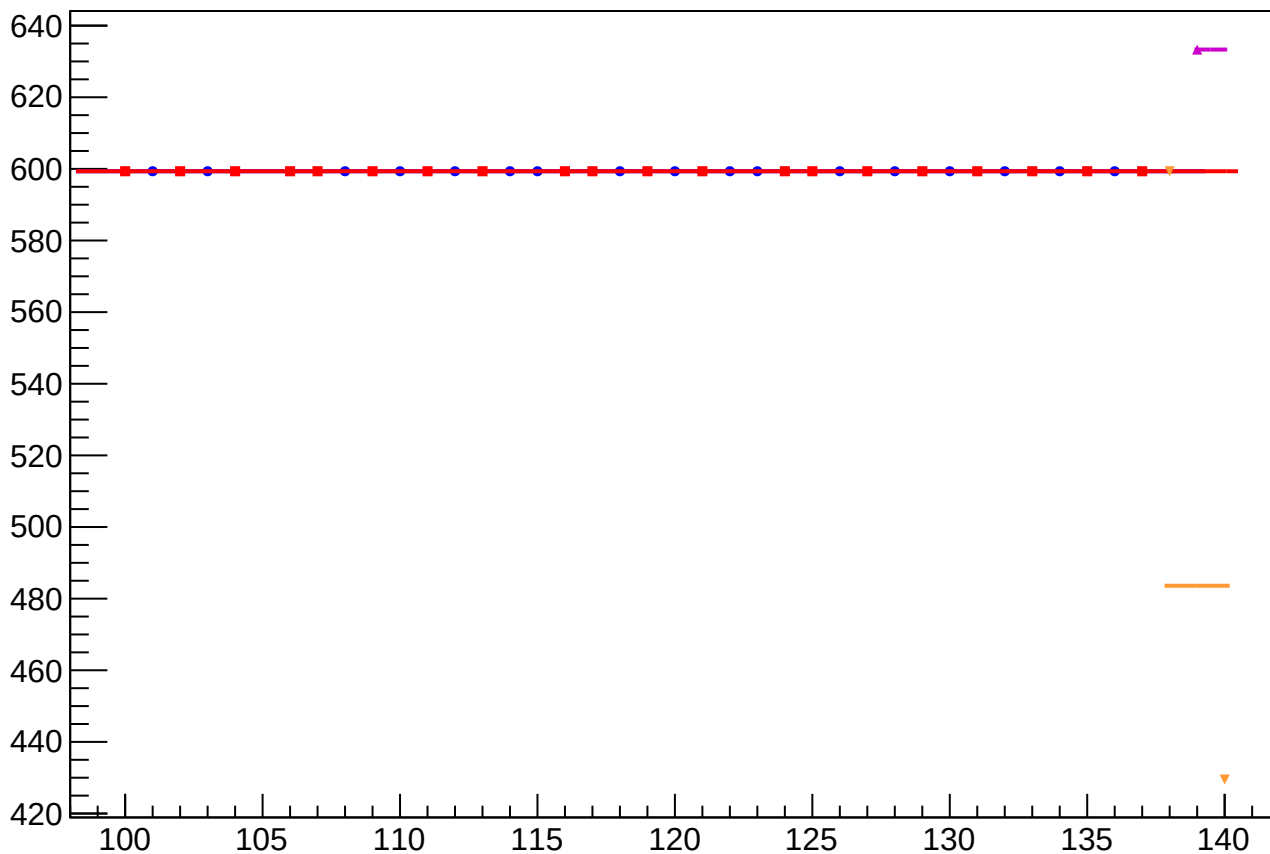
Left In: -1257.431 $\pm$ 745.634 χ^2 /NDF:0.0/0

213.097 $\pm$ 157.574 χ^2 /NDF: 1.6/18

6.241 $\pm$ 110.384 χ^2 /NDF: 7.1/39

-193.082 $\pm$ 154.679 χ^2 /NDF: 2.1/20

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 599.340 $\pm$ 0.121 χ^2 /NDF: 0.0/16

Left Out: 483.604 $\pm$ 0.282 χ^2 /NDF: 78630.7/1

Right Out: 599.340 $\pm$ 0.112 χ^2 /NDF: 0.0/19

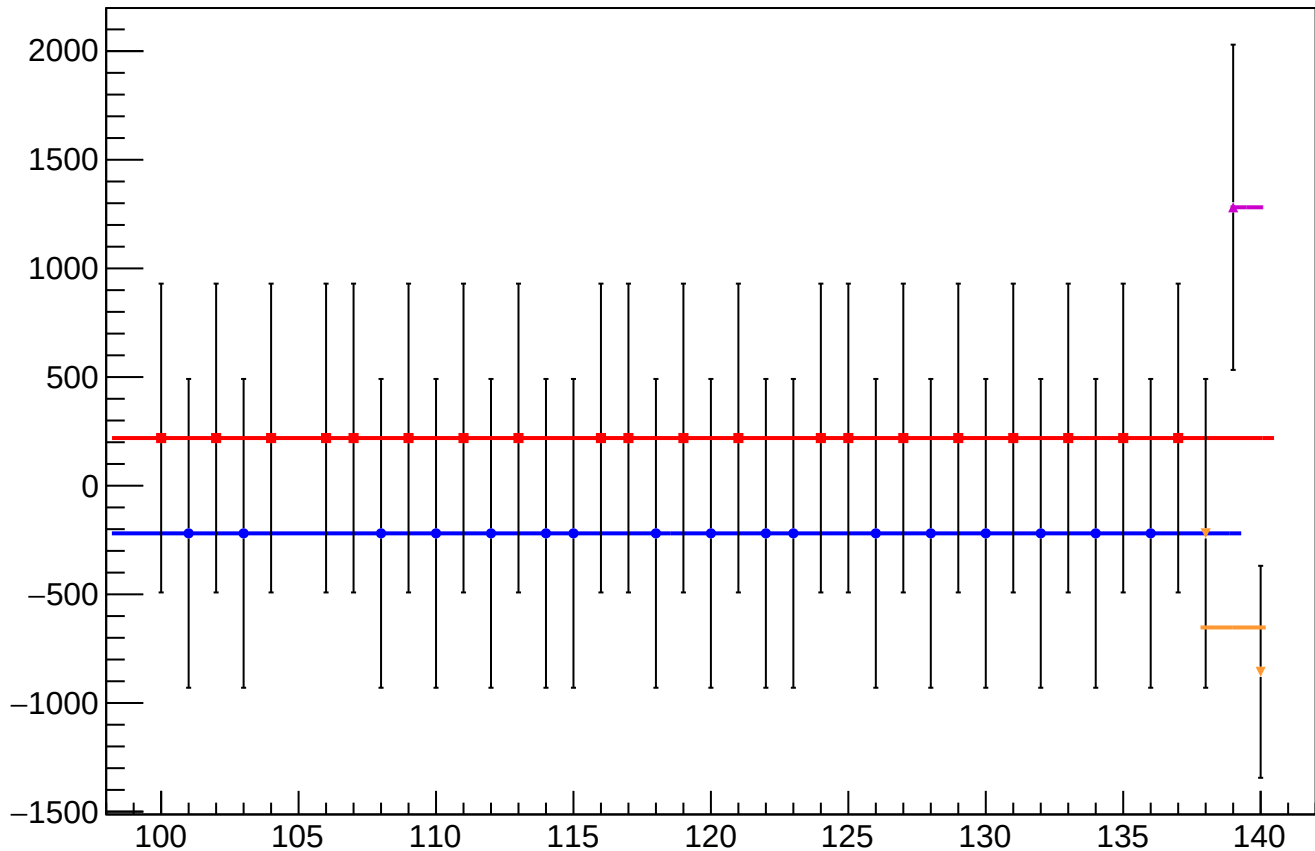
Left In: 633.317 $\pm$ 0.527 χ^2 /NDF: 0.0/0

581.304 $\pm$ 0.111 χ^2 /NDF: 220567.0/18

591.234 $\pm$ 0.078 χ^2 /NDF: 240136.8/39

600.802 $\pm$ 0.109 χ^2 /NDF: 3974.2/20

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -219.315+/-172.344 χ^2 /NDF: 0.0/16

Left Out: -652.407+/-402.161 χ^2 /NDF: 0.5/1

Right Out: 219.315+/-158.893 χ^2 /NDF: 0.0/19

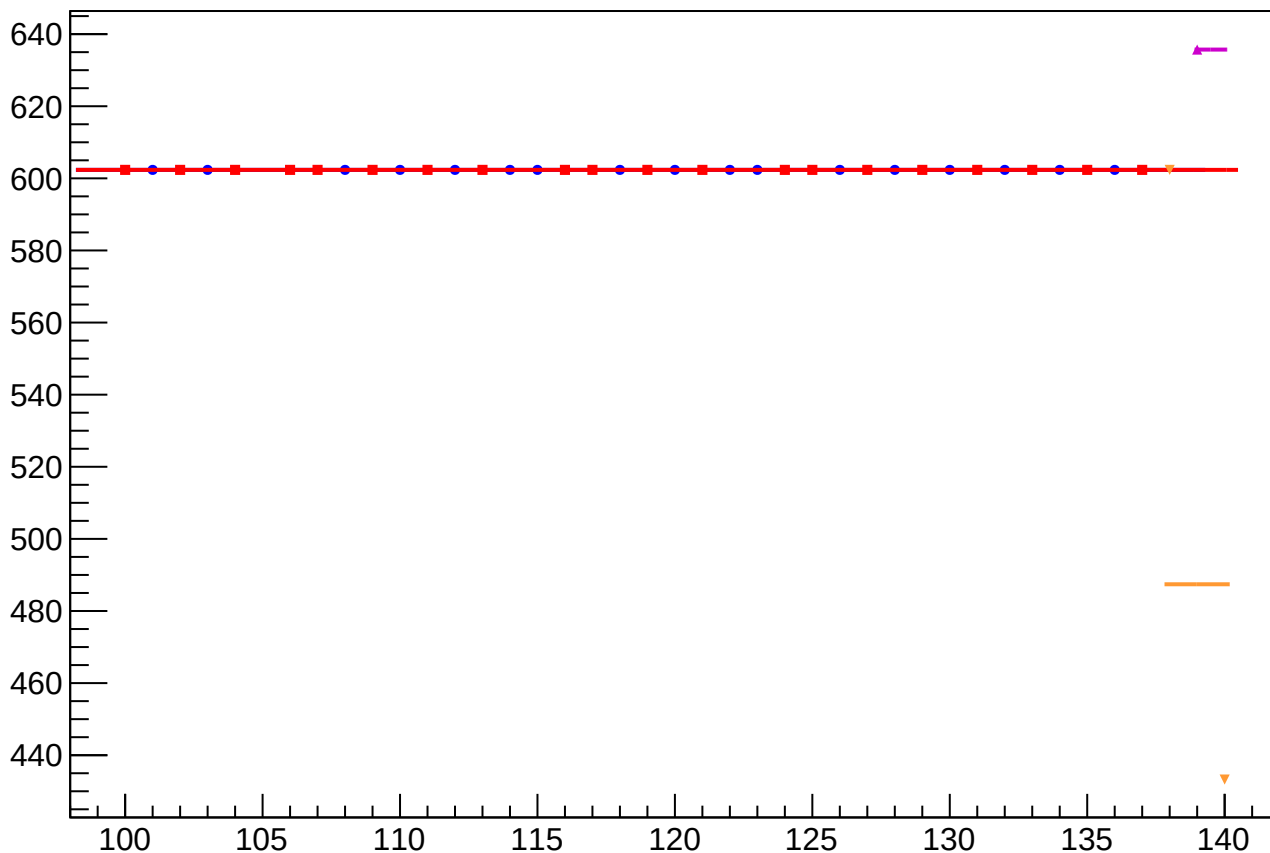
Left In: 1281.269+/-748.427 χ^2 /NDF: 0.0/0

-286.512+/-158.411 χ^2 /NDF: 1.5/18

-5.458+/-110.944 χ^2 /NDF: 9.6/39

265.116+/-155.429 χ^2 /NDF: 1.9/20

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 602.349 $\pm$ 0.122 χ^2 /NDF: 0.0/16

Left Out: 487.412 $\pm$ 0.284 χ^2 /NDF: 76982.4/1

Right Out: 602.349 $\pm$ 0.112 χ^2 /NDF: 0.0/19

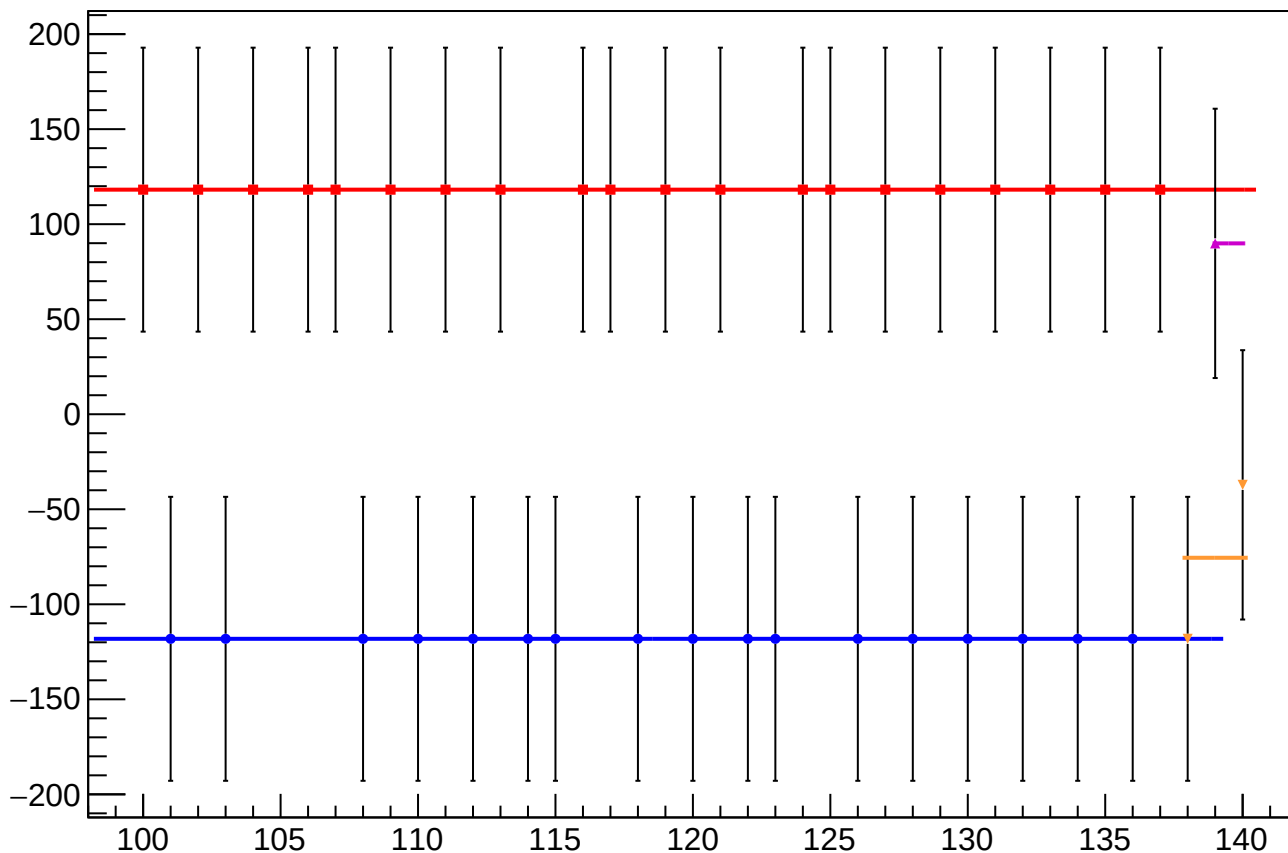
Left In: 635.714 $\pm$ 0.529 χ^2 /NDF: 0.0/0

584.515 $\pm$ 0.112 χ^2 /NDF: 214997.1/18

594.335 $\pm$ 0.078 χ^2 /NDF: 233882.9/39

603.788 $\pm$ 0.110 χ^2 /NDF: 3803.5/20

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -118.166 $\pm$ 18.119 χ^2 /NDF: 0.0/16

Left Out: -75.524 $\pm$ 51.412 χ^2 /NDF:0.6/1

Right Out: 118.166 $\pm$ 16.705 χ^2 /NDF: 0.0/19

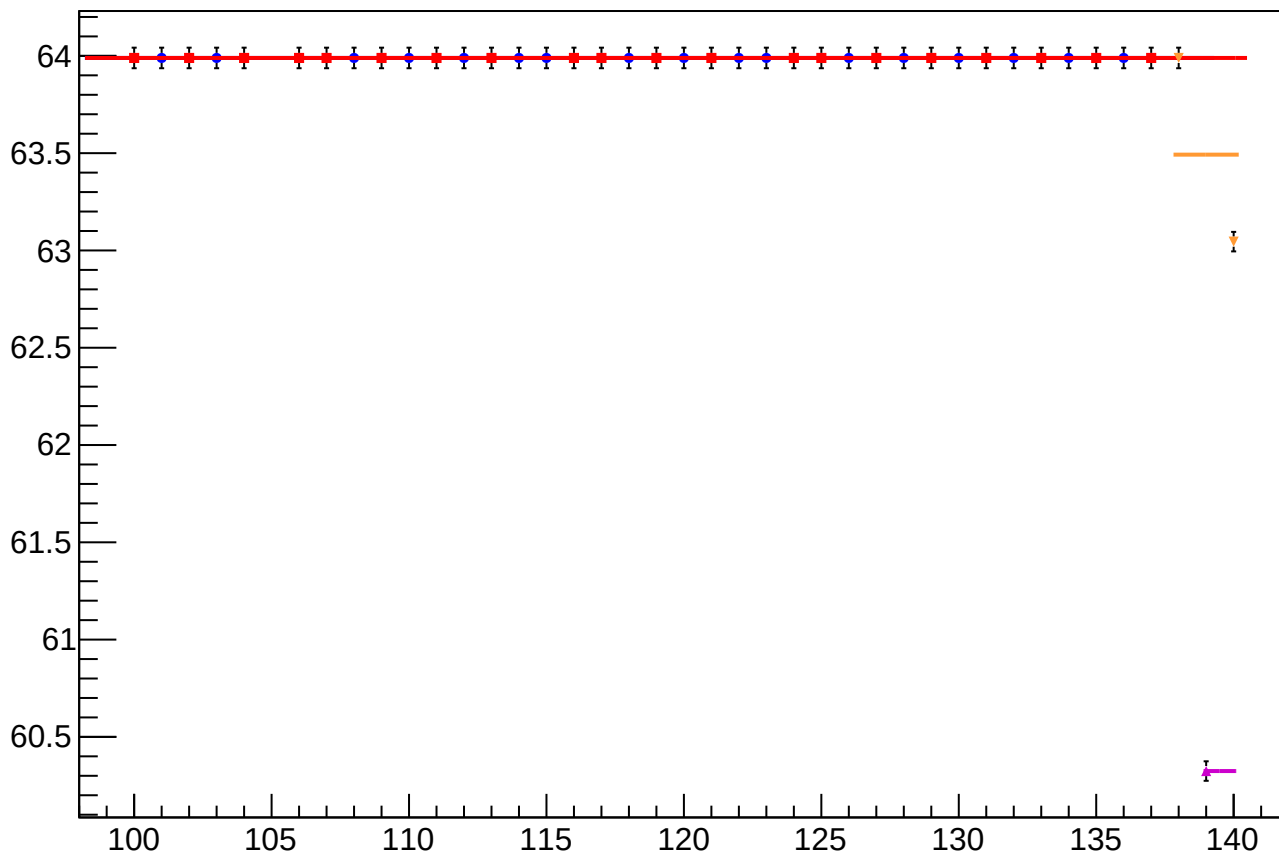
Left In: 89.896 $\pm$ 70.855 χ^2 /NDF:0.0/0

-113.455 $\pm$ 17.089 χ^2 /NDF: 1.2/18

7.333 $\pm$ 11.779 χ^2 /NDF: 96.6/39

116.677 $\pm$ 16.259 χ^2 /NDF: 0.2/20

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 63.989 $\pm$ 0.013 χ^2 /NDF: 0.0/16

Left Out: 63.492 $\pm$ 0.036 χ^2 /NDF:168.1/1

Right Out: 63.989 $\pm$ 0.012 χ^2 /NDF: 0.0/19

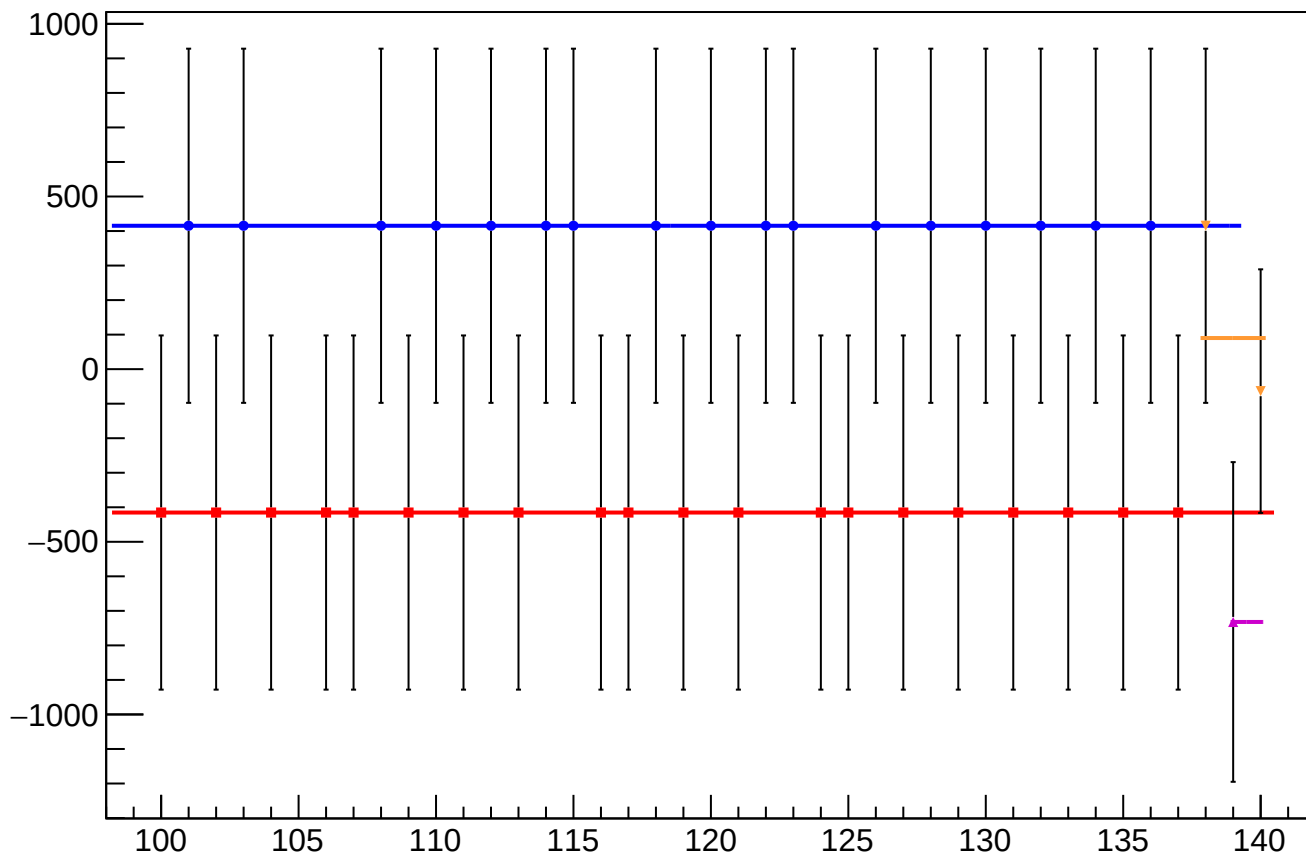
Left In: 60.324 $\pm$ 0.050 χ^2 /NDF:0.0/0

63.934 $\pm$ 0.012 χ^2 /NDF: 334.4/18

63.862 $\pm$ 0.008 χ^2 /NDF: 5472.1/39

63.796 $\pm$ 0.011 χ^2 /NDF: 5069.2/20

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 415.260 $\pm$ 124.389 χ^2 /NDF: 0.0/16

Left Out: 90.141 $\pm$ 290.628 χ^2 /NDF: 0.6/1

Right Out: -415.260 $\pm$ 114.681 χ^2 /NDF: 0.0/19

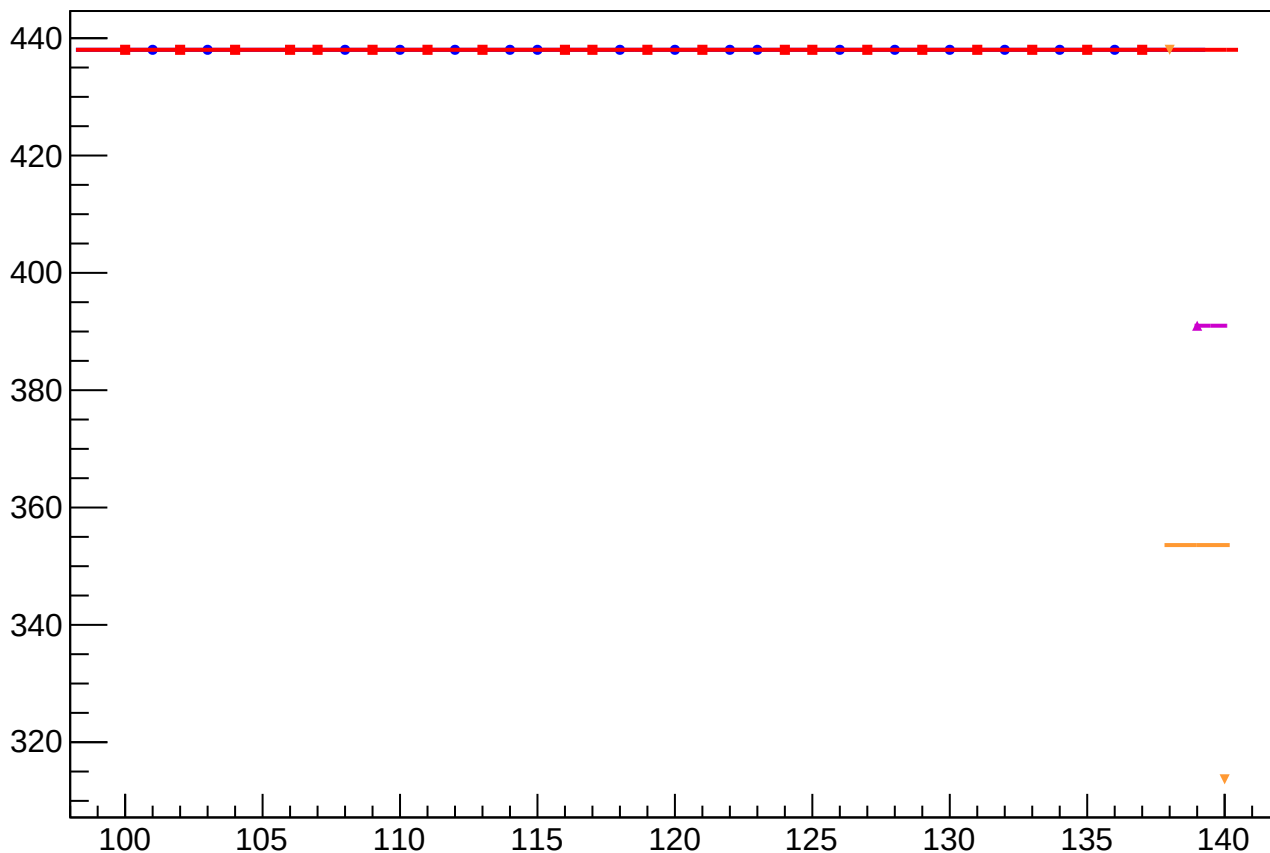
Left In: -732.152 $\pm$ 462.893 χ^2 /NDF: 0.0/0

364.924 $\pm$ 114.355 χ^2 /NDF: 1.6/18

-45.084 $\pm$ 79.765 χ^2 /NDF: 27.1/39

-433.586 $\pm$ 111.316 χ^2 /NDF: 0.4/20

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 438.022 $\pm$ 0.088 χ^2 /NDF: 0.0/16

Left Out: 353.602 $\pm$ 0.206 χ^2 /NDF: 79820.1/1

Right Out: 438.022 $\pm$ 0.081 χ^2 /NDF: 0.0/19

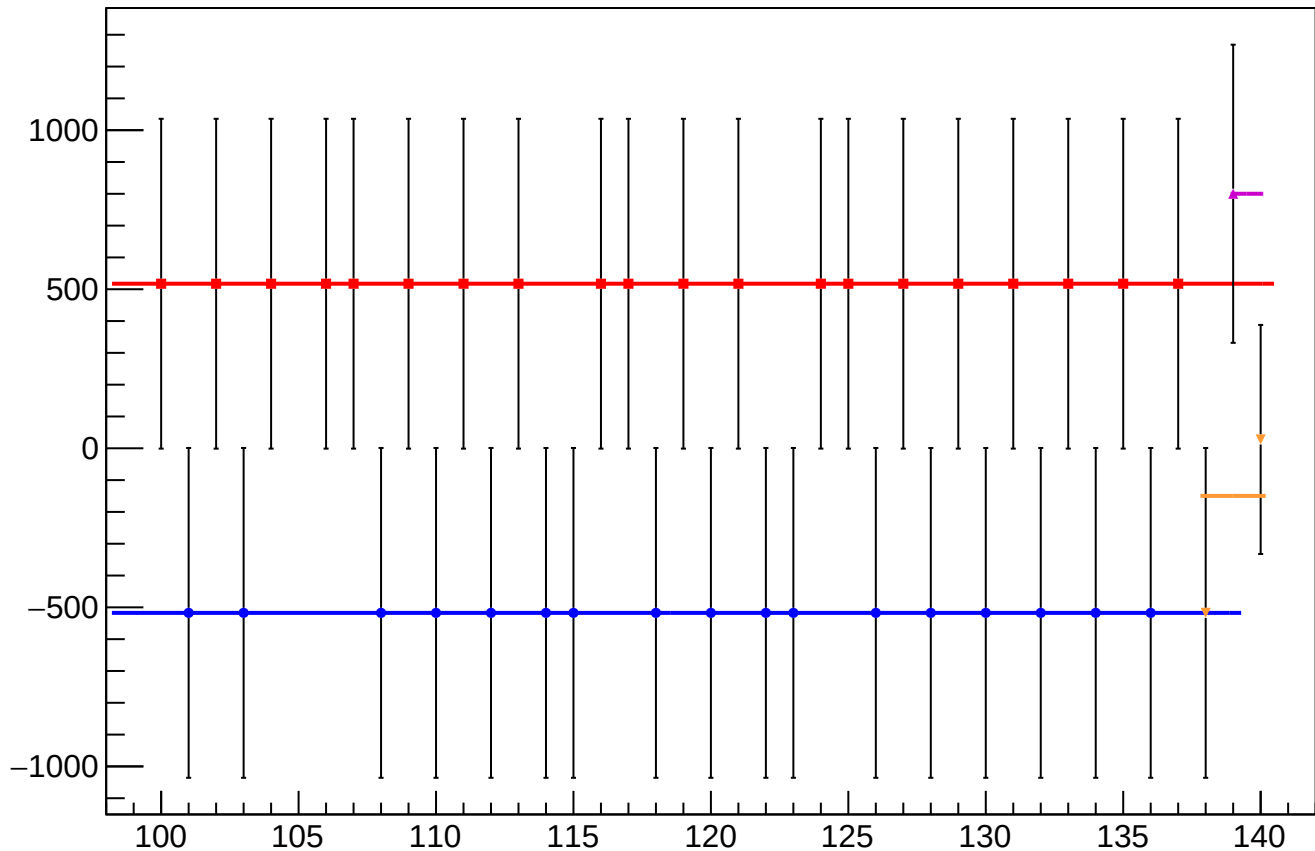
Left In: 390.991 $\pm$ 0.327 χ^2 /NDF: 0.0/0

424.952 $\pm$ 0.081 χ^2 /NDF: 222444.7/18

430.266 $\pm$ 0.056 χ^2 /NDF: 250309.6/39

435.302 $\pm$ 0.079 χ^2 /NDF: 19452.0/20

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -517.375 ± 125.736 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -149.584 ± 295.724 $\chi^2/\text{NDF}: 0.7/1$

Right Out: 517.375 ± 115.923 $\chi^2/\text{NDF}: 0.0/19$

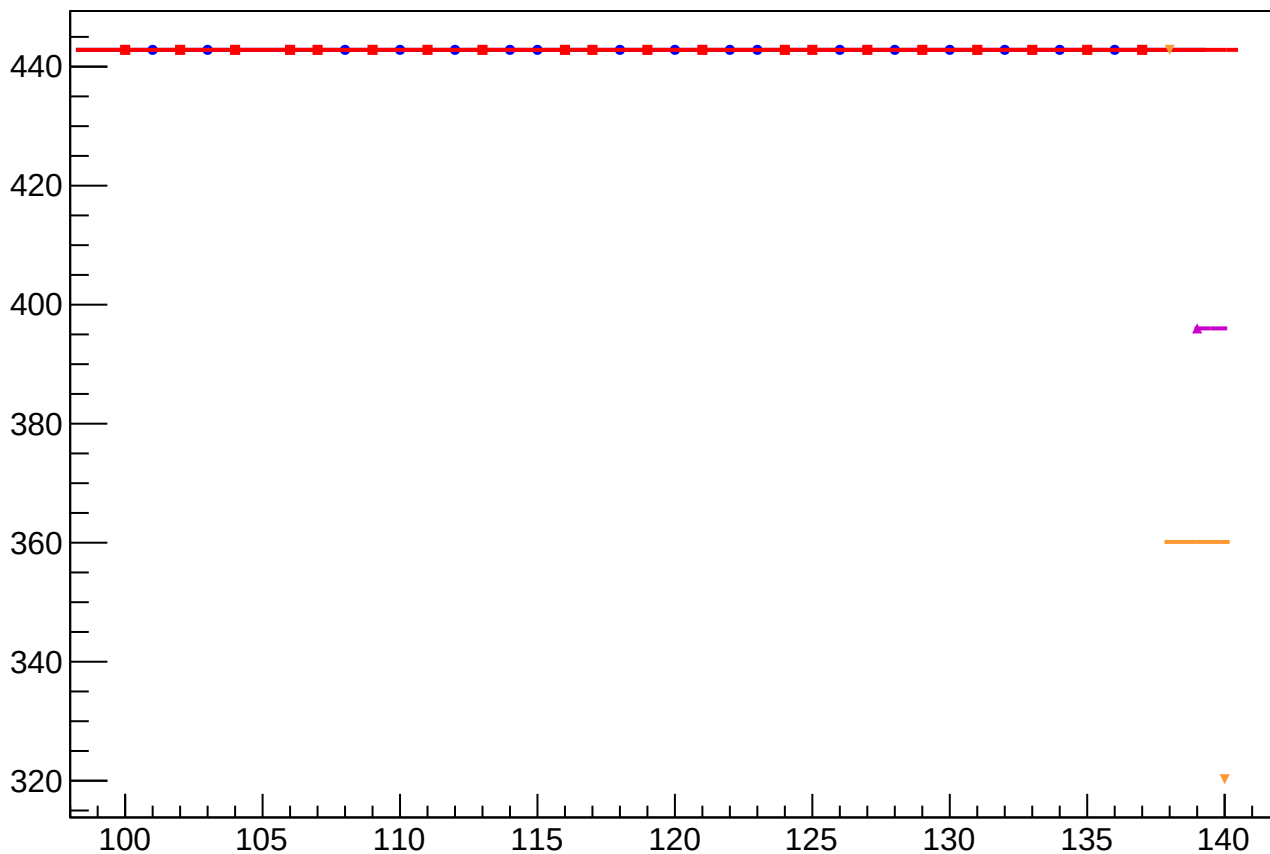
Left In: 800.159 ± 468.645 $\chi^2/\text{NDF}: 0.0/0$

-461.066 ± 115.711 $\chi^2/\text{NDF}: 2.1/18$

50.163 ± 80.673 $\chi^2/\text{NDF}: 40.4/39$

533.680 ± 112.532 $\chi^2/\text{NDF}: 0.3/20$

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 442.822 $\pm$ 0.089 χ^2 /NDF: 0.0/16

Left Out: 360.129 $\pm$ 0.209 χ^2 /NDF: 75429.8/1

Right Out: 442.822 $\pm$ 0.082 χ^2 /NDF: 0.0/19

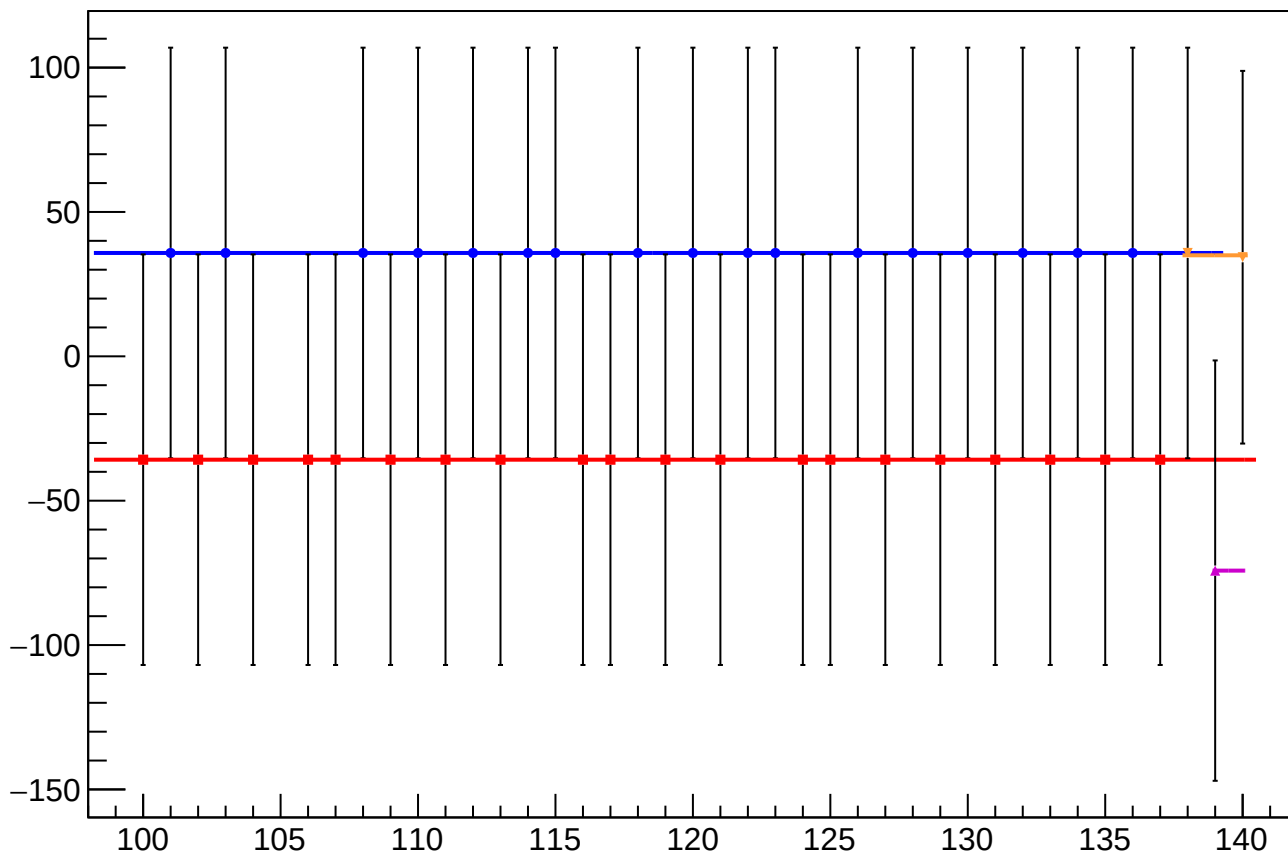
Left In: 396.013 $\pm$ 0.331 χ^2 /NDF: 0.0/0

430.162 $\pm$ 0.082 χ^2 /NDF: 207871.2/18

435.281 $\pm$ 0.057 χ^2 /NDF: 234291.2/39

440.123 $\pm$ 0.080 χ^2 /NDF: 18802.3/20

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 35.799 $\pm$ 17.244 χ^2/NDF : 0.0/16

Left Out: 34.989 $\pm$ 47.786 χ^2/NDF : 0.0/1

Right Out: -35.799 $\pm$ 15.898 χ^2/NDF : 0.0/19

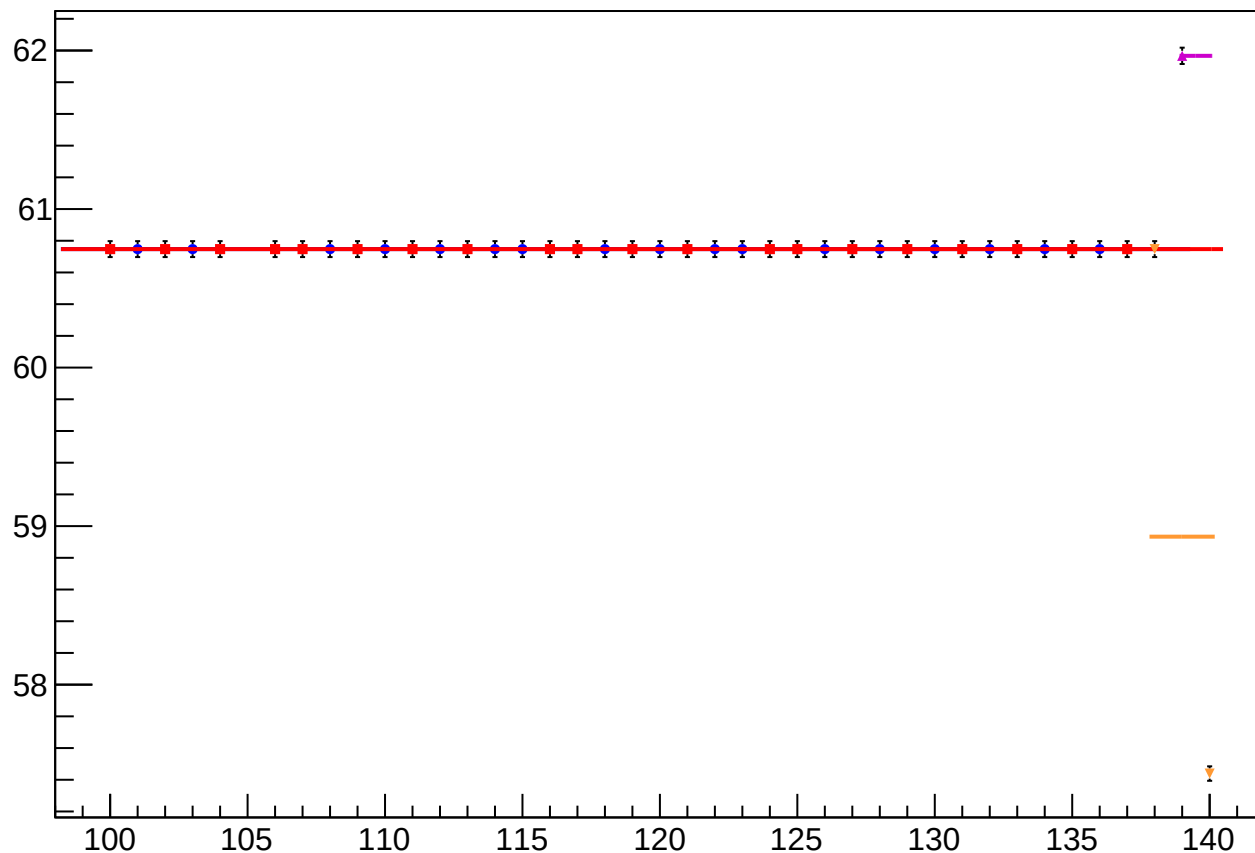
Left In: -74.219 $\pm$ 72.793 χ^2/NDF : 0.0/0

35.706 $\pm$ 16.220 χ^2/NDF : 0.0/18

-2.508 $\pm$ 11.218 χ^2/NDF : 10.9/39

-37.549 $\pm$ 15.532 χ^2/NDF : 0.3/20

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 60.747 $\pm$ 0.012 χ^2 /NDF: 0.0/16

Left Out: 58.933 $\pm$ 0.034 χ^2 /NDF: 2374.0/1

Right Out: 60.747 $\pm$ 0.011 χ^2 /NDF: 0.0/19

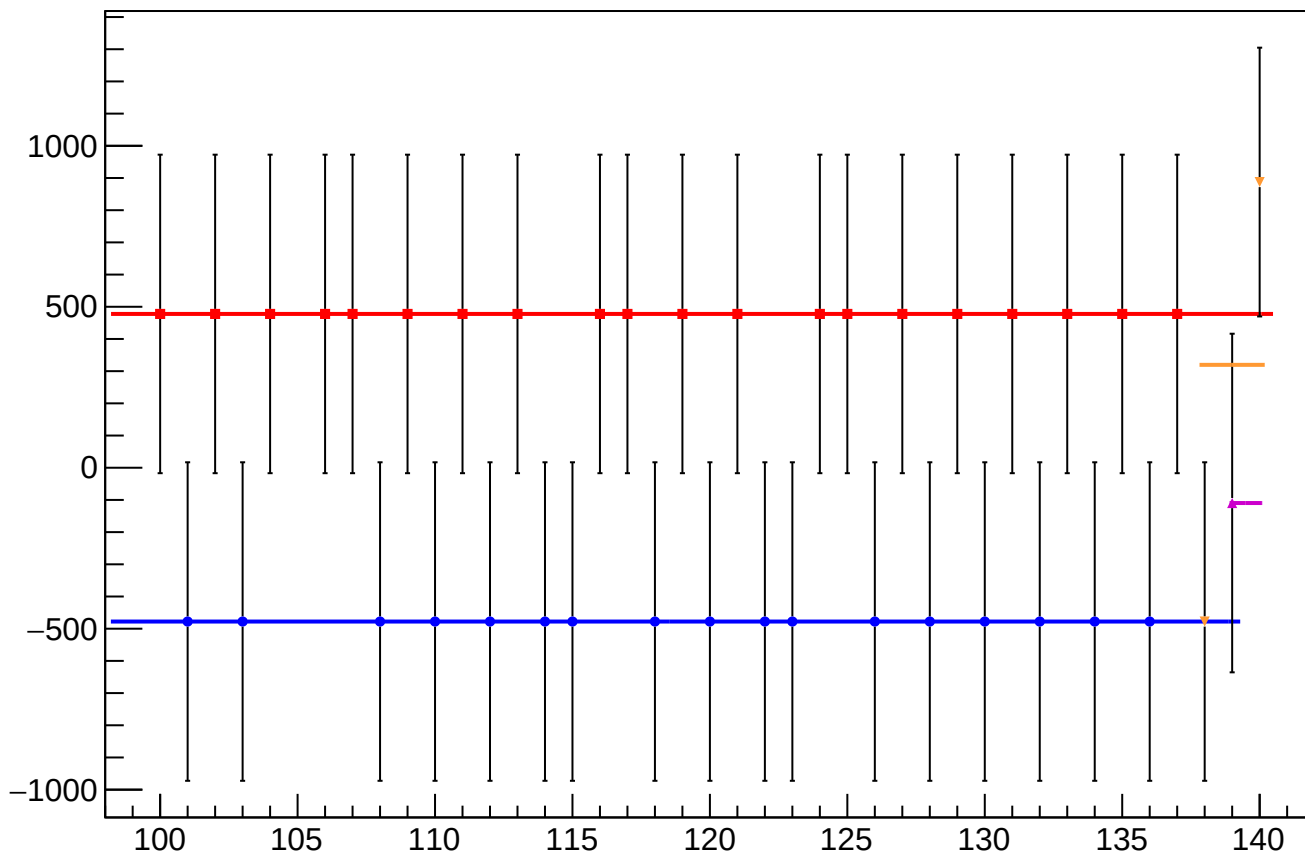
Left In: 61.966 $\pm$ 0.051 χ^2 /NDF: 0.0/0

60.538 $\pm$ 0.011 χ^2 /NDF: 4923.6/18

60.676 $\pm$ 0.008 χ^2 /NDF: 5736.5/39

60.803 $\pm$ 0.011 χ^2 /NDF: 535.5/20

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -477.757 +/- 119.983 χ^2 /NDF: 0.0/16

Left Out: 319.609 +/- 319.042 χ^2 /NDF: 4.4/1

Right Out: 477.757 +/- 110.619 χ^2 /NDF: 0.0/19

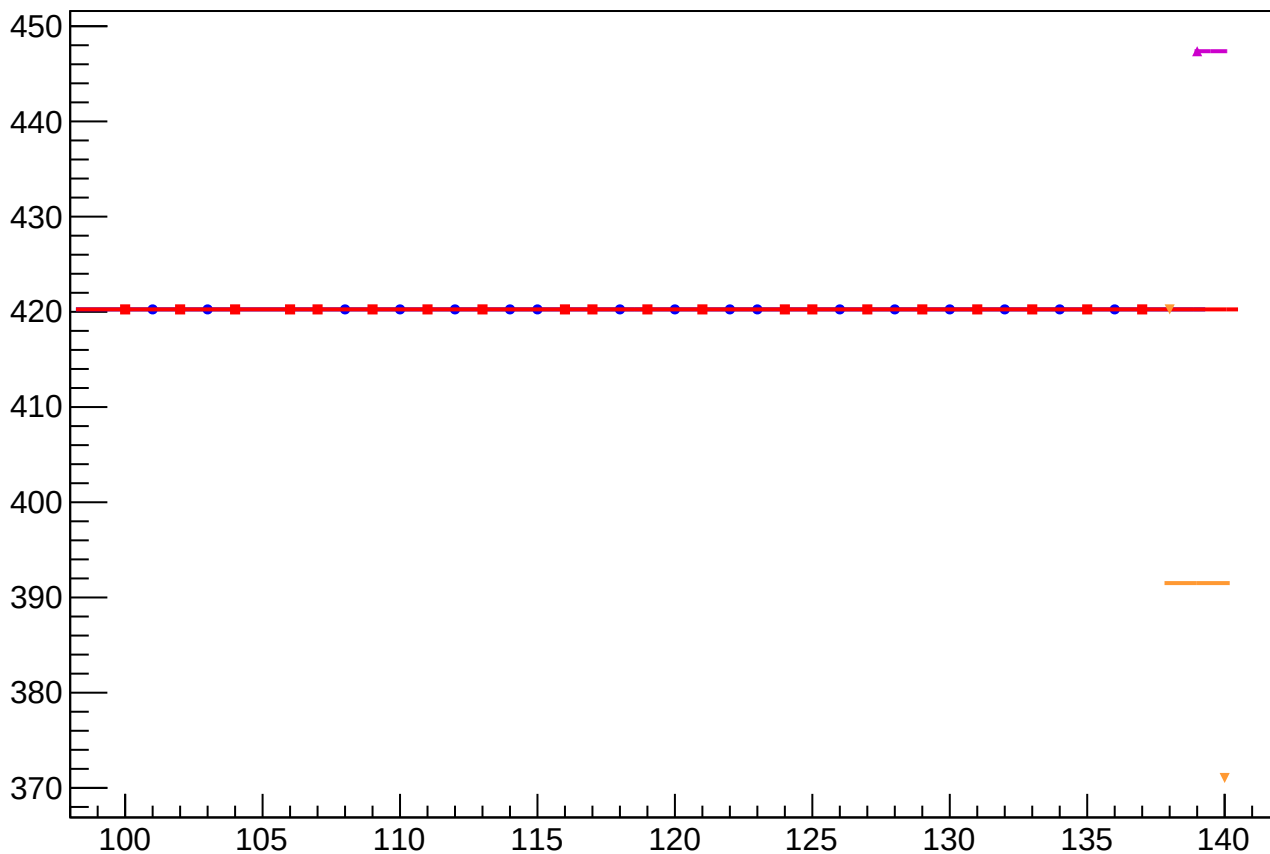
Left In: -109.630 +/- 525.911 χ^2 /NDF: 0.0/0

-378.958 +/- 112.304 χ^2 /NDF: 9.9/18

52.240 +/- 77.938 χ^2 /NDF: 39.6/39

452.871 +/- 108.251 χ^2 /NDF: 1.2/20

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 420.257 $\pm$ 0.085 χ^2 /NDF: 0.0/16

Left Out: 391.511 $\pm$ 0.226 χ^2 /NDF:11561.5/1

Right Out: 420.257 $\pm$ 0.078 χ^2 /NDF: 0.0/19

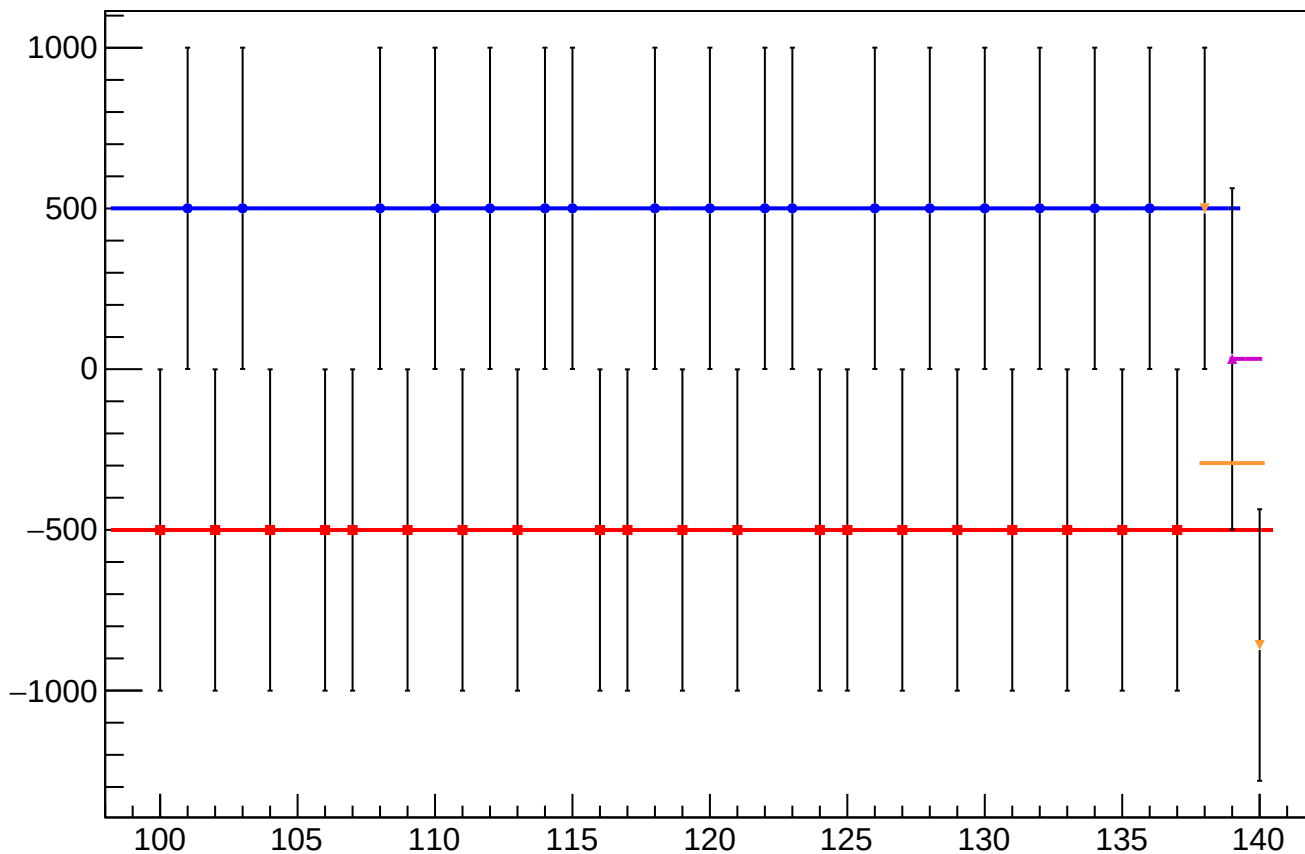
Left In: 447.373 $\pm$ 0.372 χ^2 /NDF:0.0/0

416.695 $\pm$ 0.079 χ^2 /NDF: 25786.1/18

419.137 $\pm$ 0.055 χ^2 /NDF: 32702.0/39

421.406 $\pm$ 0.077 χ^2 /NDF: 5091.8/20

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 500.448 $\pm$ 121.238 χ^2 /NDF: 0.0/16

Left Out: -292.206 $\pm$ 322.659 χ^2 /NDF: 4.3/1

Right Out: -500.448 $\pm$ 111.776 χ^2 /NDF: 0.0/19

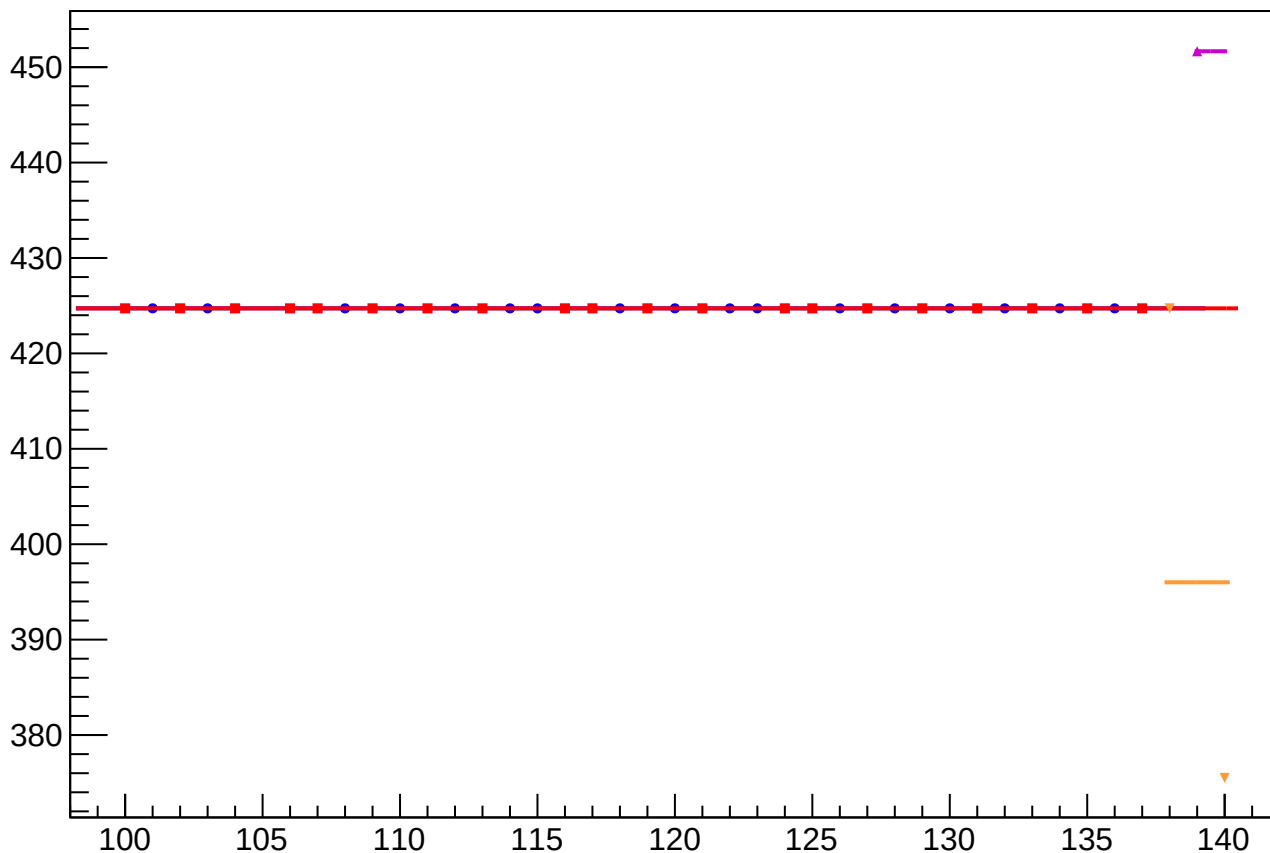
Left In: 32.054 $\pm$ 530.946 χ^2 /NDF: 0.0/0

402.383 $\pm$ 113.491 χ^2 /NDF: 9.6/18

-53.970 $\pm$ 78.756 χ^2 /NDF: 41.7/39

-477.849 $\pm$ 109.378 χ^2 /NDF: 1.0/20

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 424.721 $\pm$ 0.086 χ^2 /NDF: 0.0/16

Left Out: 396.009 $\pm$ 0.228 χ^2 /NDF:11310.8/1

Right Out: 424.721 $\pm$ 0.079 χ^2 /NDF: 0.0/19

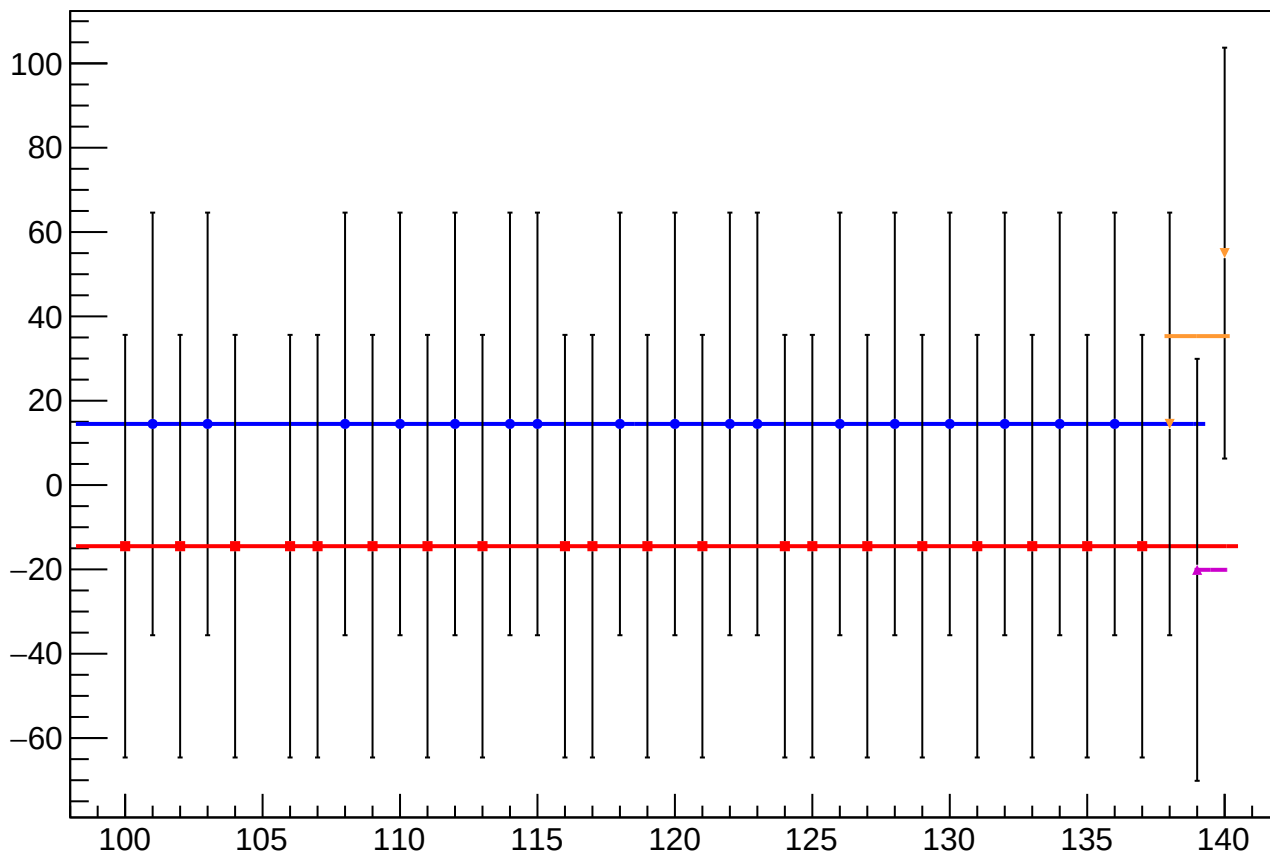
Left In: 451.667 $\pm$ 0.375 χ^2 /NDF:0.0/0

421.168 $\pm$ 0.080 χ^2 /NDF: 25188.3/18

423.603 $\pm$ 0.056 χ^2 /NDF: 31896.2/39

425.864 $\pm$ 0.077 χ^2 /NDF: 4932.9/20

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 14.497+/-12.154 χ^2/NDF : 0.0/16

Left Out: 35.320+/-34.932 χ^2/NDF : 0.3/1

Right Out: -14.497+/-11.205 χ^2/NDF : 0.0/19

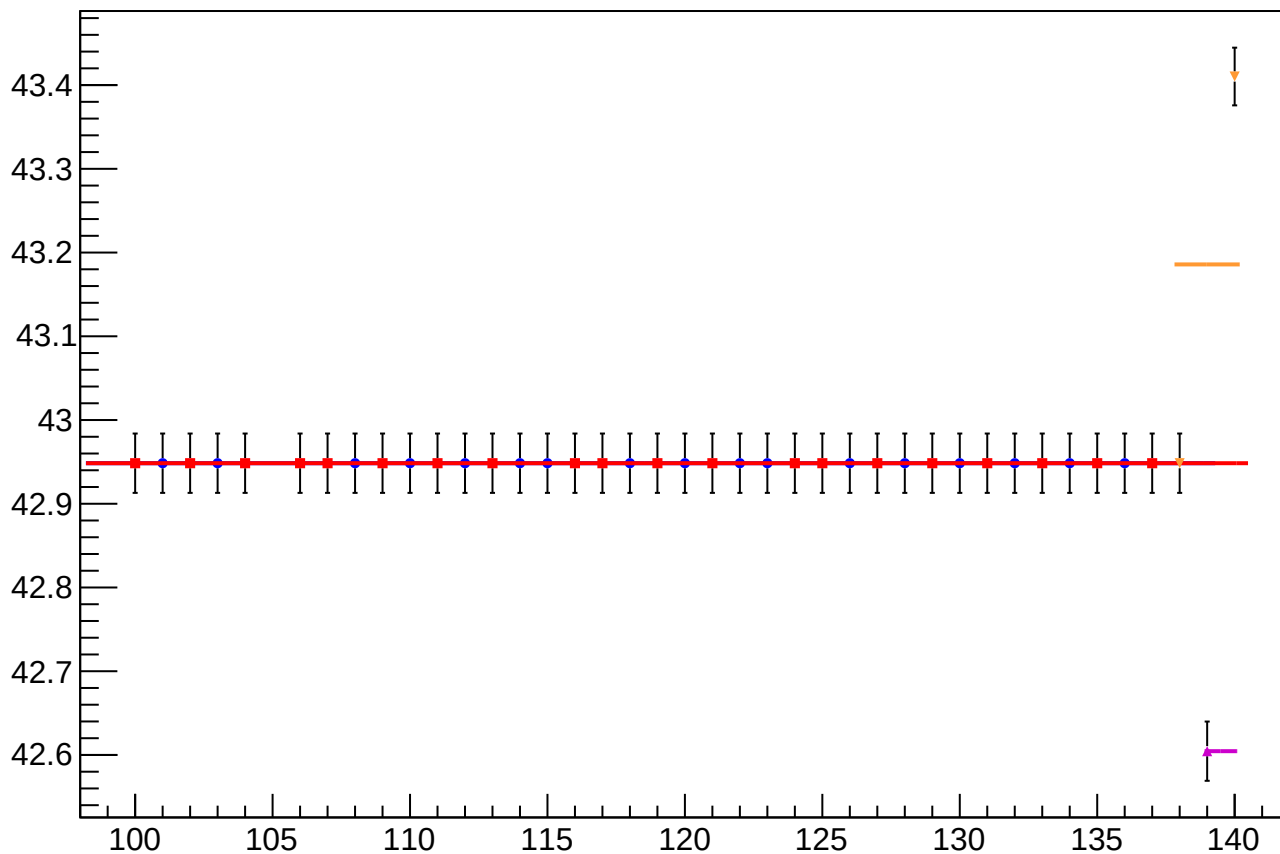
Left In: -20.102+/-50.034 χ^2/NDF : 0.0/0

16.745+/-11.479 χ^2/NDF : 0.7/18

0.225+/-7.917 χ^2/NDF : 4.6/39

-14.765+/-10.934 χ^2/NDF : 0.0/20

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 42.948 $\pm$ 0.009 χ^2 /NDF: 0.0/16

Left Out: 43.186 $\pm$ 0.025 χ^2 /NDF: 87.3/1

Right Out: 42.948 $\pm$ 0.008 χ^2 /NDF: 0.0/19

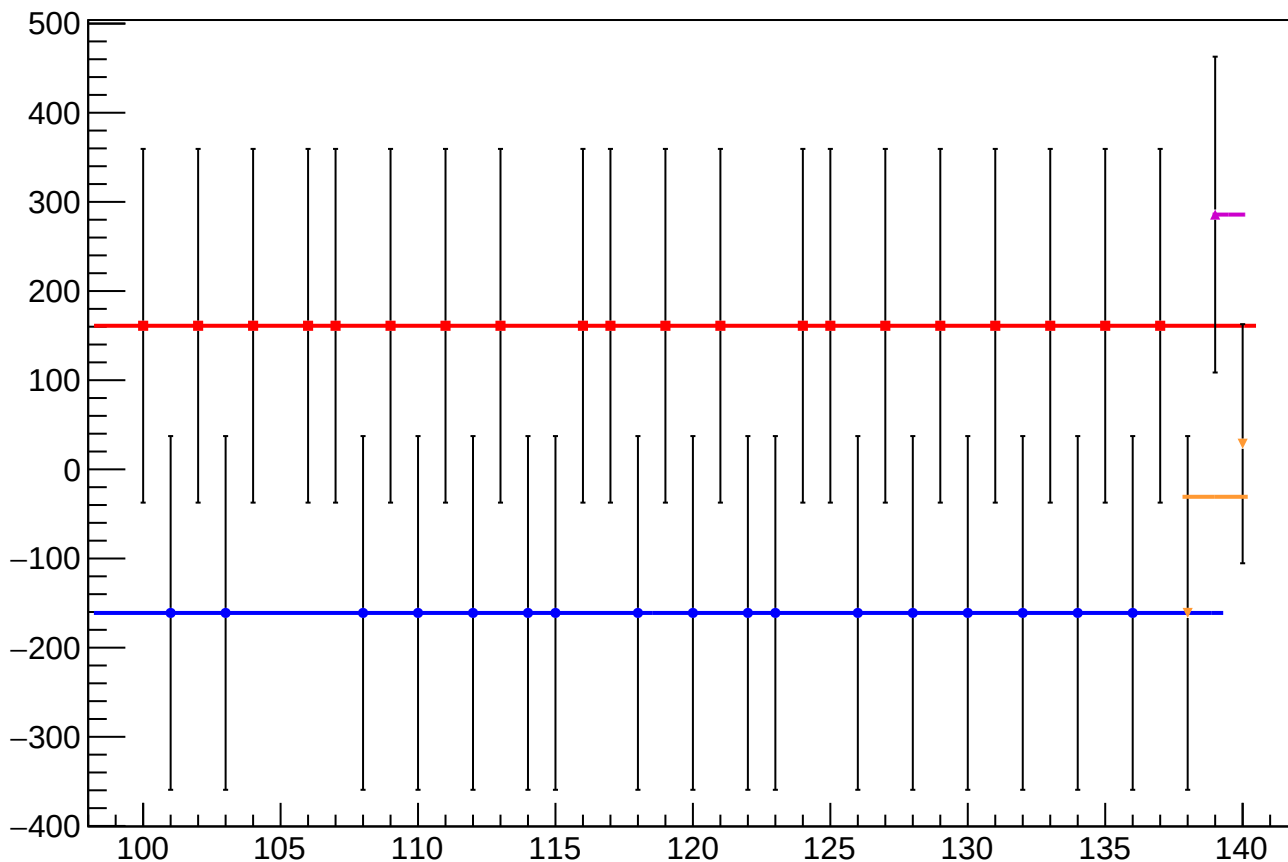
Left In: 42.605 $\pm$ 0.035 χ^2 /NDF: 0.0/0

42.974 $\pm$ 0.008 χ^2 /NDF: 169.7/18

42.952 $\pm$ 0.006 χ^2 /NDF: 273.8/39

42.932 $\pm$ 0.008 χ^2 /NDF: 90.0/20

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -161.053 $\pm$ 48.113 χ^2 /NDF: 0.0/16

Left Out: -30.777 $\pm$ 111.090 χ^2 /NDF: 0.6/1

Right Out: 161.053 $\pm$ 44.358 χ^2 /NDF: 0.0/19

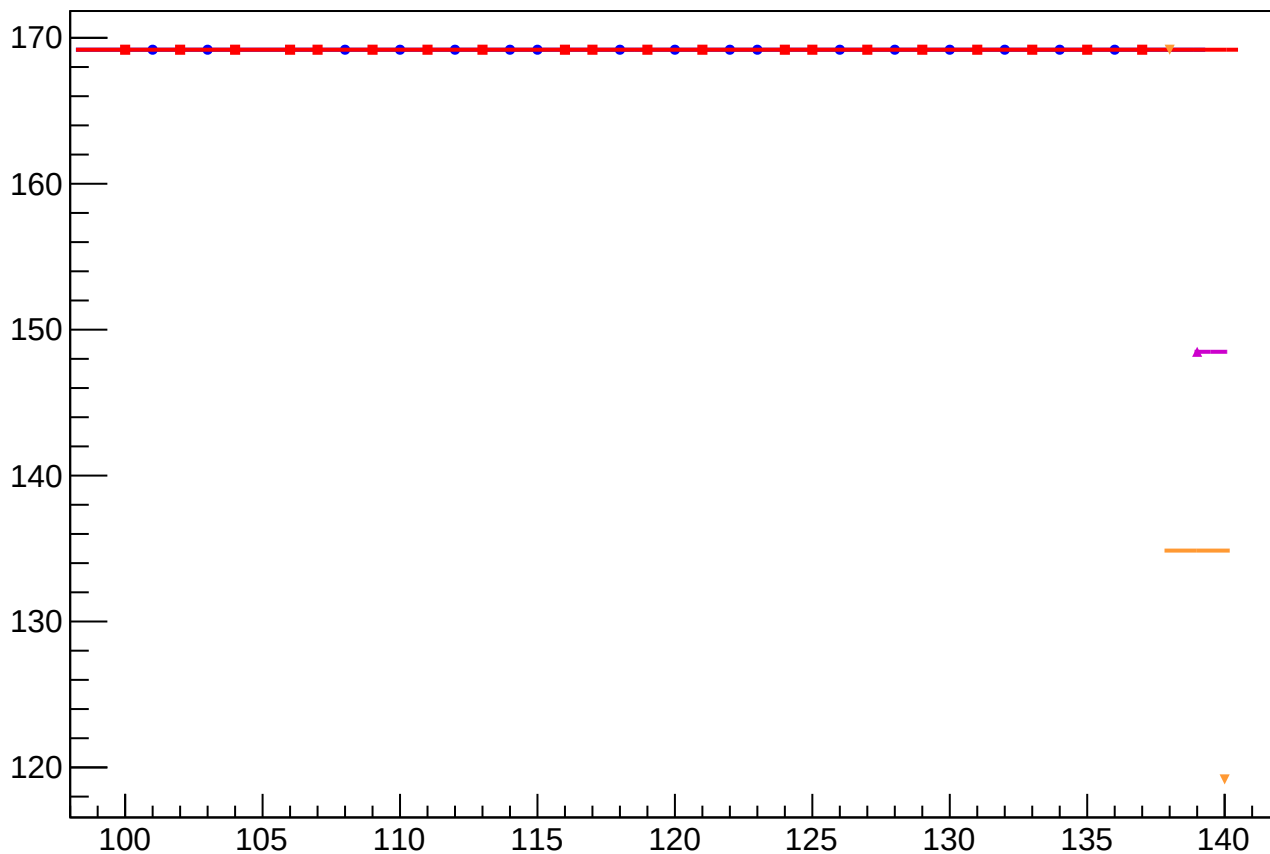
Left In: 285.755 $\pm$ 177.131 χ^2 /NDF: 0.0/0

-140.476 $\pm$ 44.150 χ^2 /NDF: 1.8/18

17.939 $\pm$ 30.815 χ^2 /NDF: 27.4/39

168.412 $\pm$ 43.030 χ^2 /NDF: 0.5/20

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 169.186 $\pm$ 0.034 χ^2 /NDF: 0.0/16

Left Out: 134.860 $\pm$ 0.079 χ^2 /NDF:87239.6/1

Right Out: 169.186 $\pm$ 0.031 χ^2 /NDF: 0.0/19

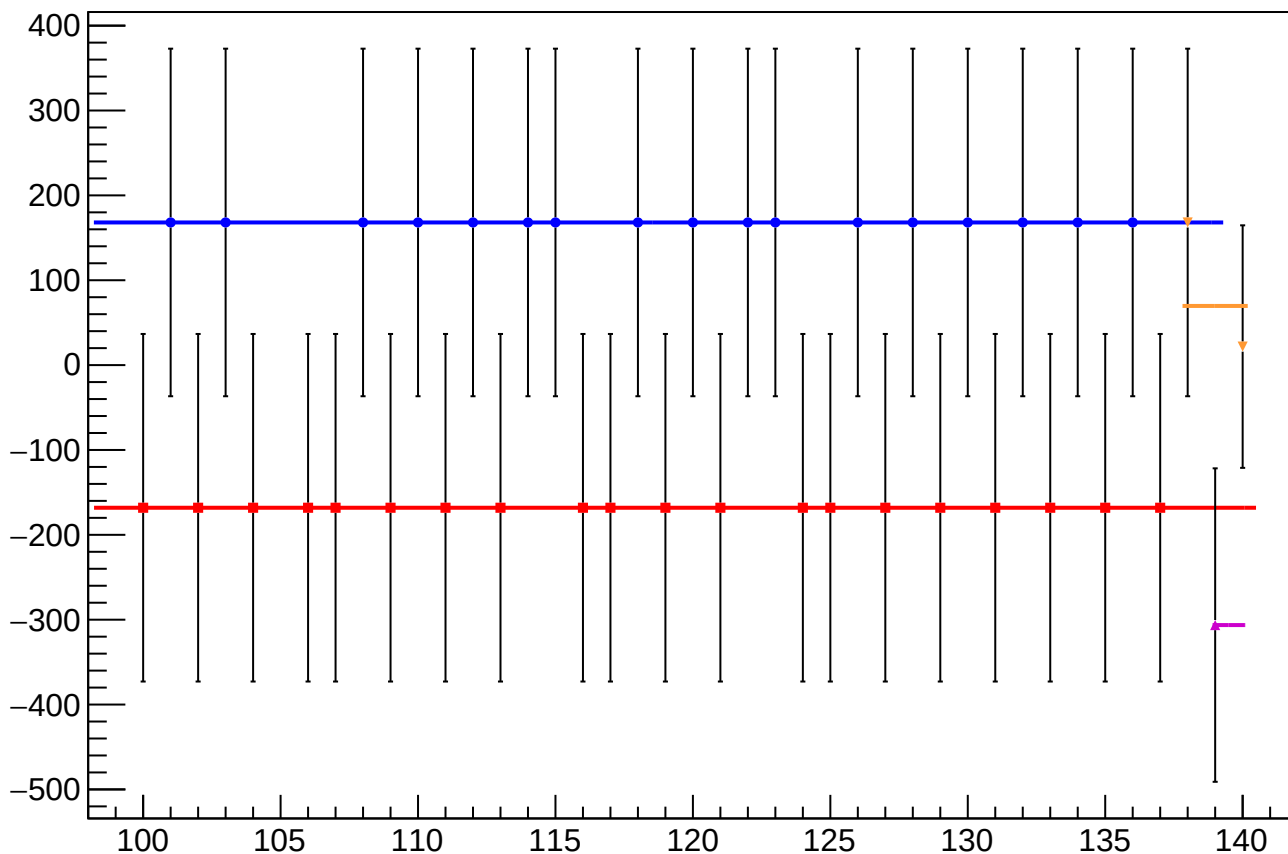
Left In: 148.484 $\pm$ 0.125 χ^2 /NDF:0.0/0

163.764 $\pm$ 0.031 χ^2 /NDF: 248030.9/18

165.918 $\pm$ 0.022 χ^2 /NDF: 283020.2/39

167.964 $\pm$ 0.030 χ^2 /NDF: 25706.6/20

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 168.090 $\pm$ 49.667 χ^2/NDF : 0.0/16

Left Out: 69.710 $\pm$ 117.188 χ^2/NDF : 0.3/1

Right Out: -168.090 $\pm$ 45.791 χ^2/NDF : 0.0/19

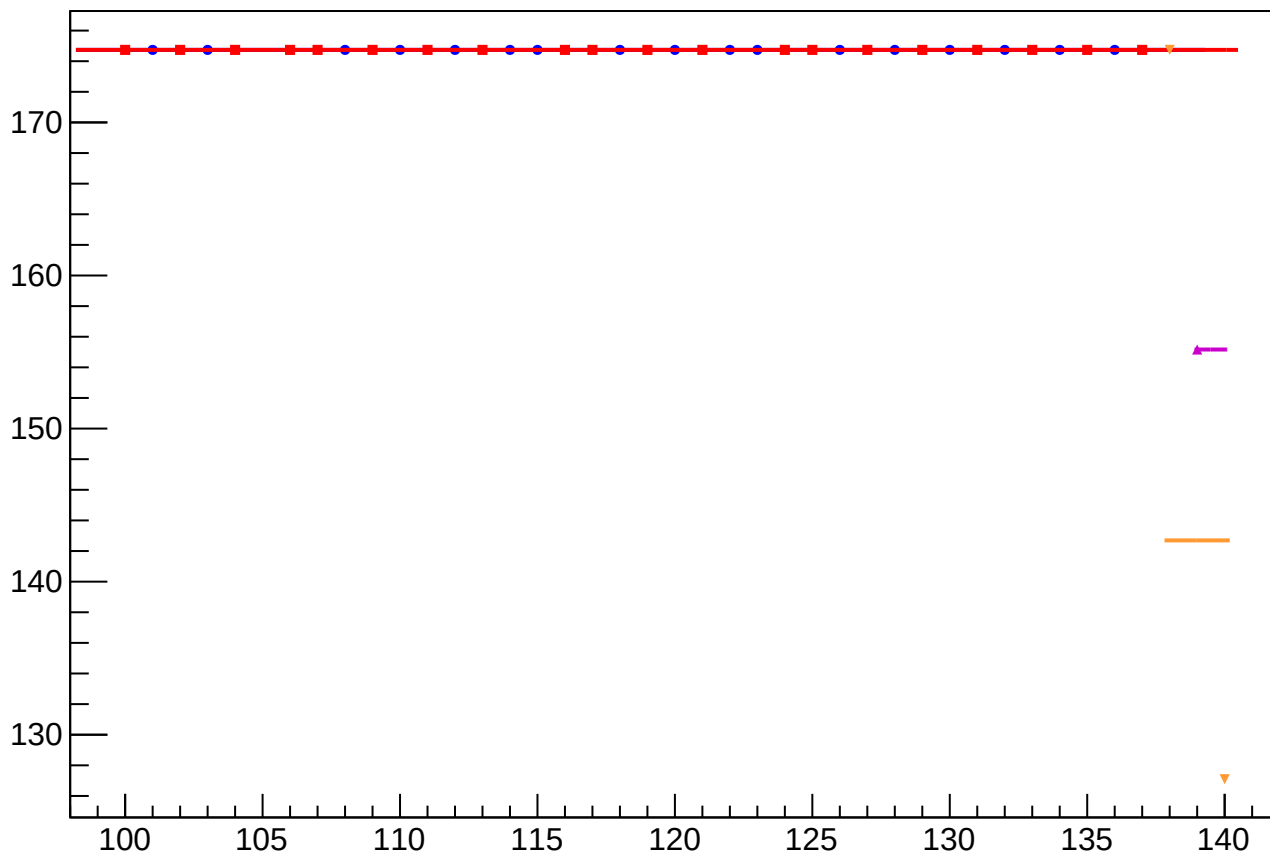
Left In: -306.336 $\pm$ 184.686 χ^2/NDF : 0.0/0

153.109 $\pm$ 45.730 χ^2/NDF : 0.9/18

-16.182 $\pm$ 31.872 χ^2/NDF : 28.1/39

-176.096 $\pm$ 44.445 χ^2/NDF : 0.5/20

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 174.739 $\pm$ 0.035 χ^2 /NDF: 0.0/16

Left Out: 142.695 $\pm$ 0.083 χ^2 /NDF: 72817.7/1

Right Out: 174.739 $\pm$ 0.032 χ^2 /NDF: 0.0/19

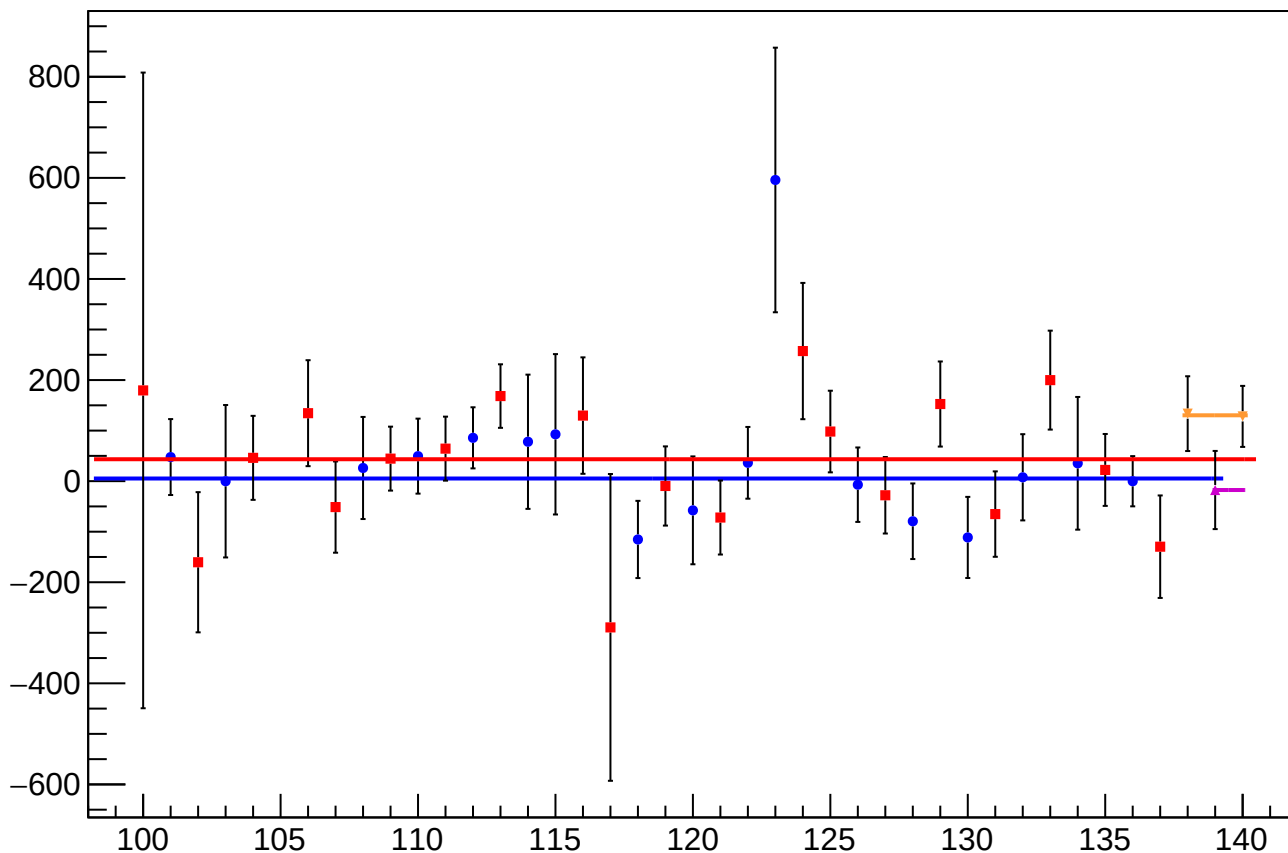
Left In: 155.164 $\pm$ 0.131 χ^2 /NDF: 0.0/0

169.859 $\pm$ 0.032 χ^2 /NDF: 199591.1/18

171.786 $\pm$ 0.023 χ^2 /NDF: 227658.6/39

173.605 $\pm$ 0.031 χ^2 /NDF: 21166.2/20

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220+/-20.150 χ^2/NDF : 14.7/16

Left Out: 130.287+/-46.768 χ^2/NDF : 0.0/1

Right Out: 43.354+/-19.371 χ^2/NDF : 25.6/19

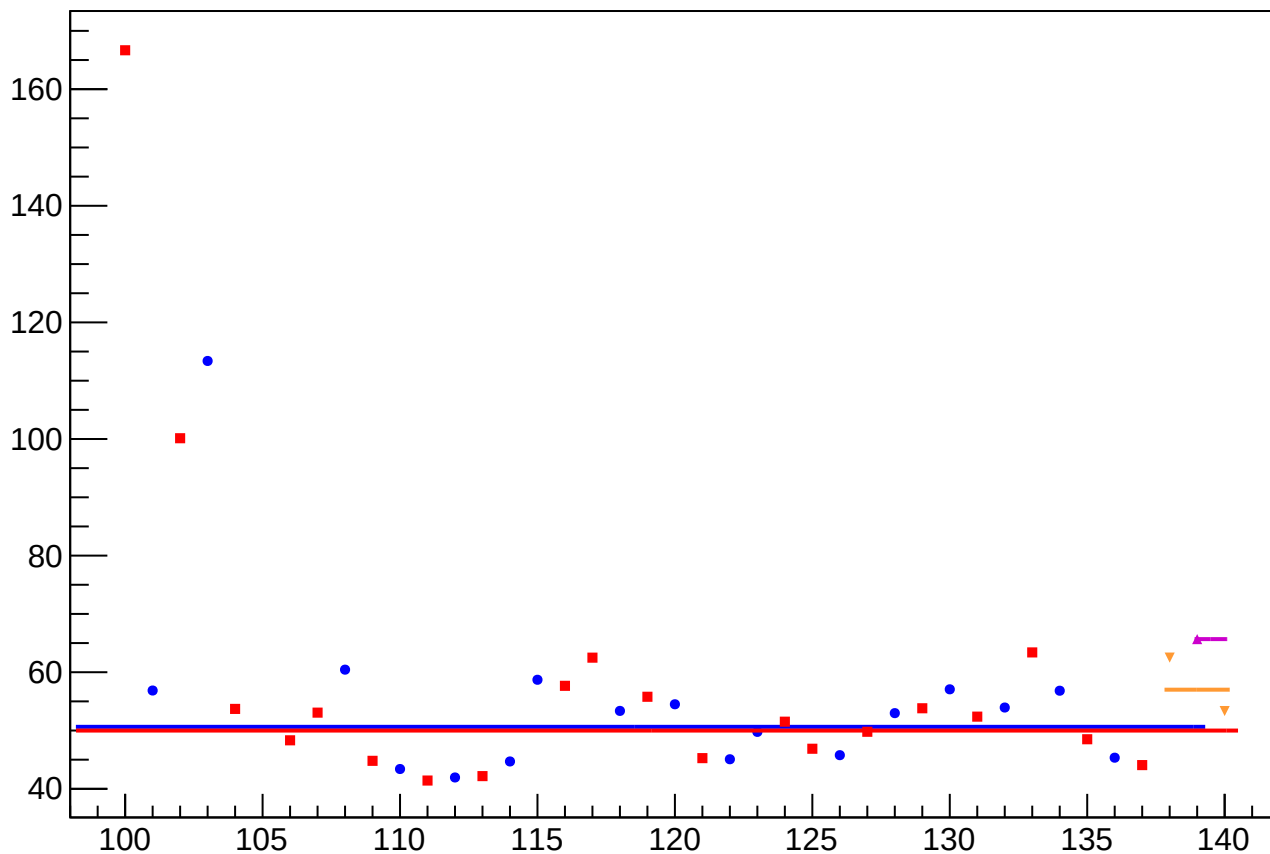
Left In: -17.544+/-77.325 χ^2/NDF : 0.0/0

24.802+/-18.506 χ^2/NDF : 20.7/18

32.166+/-13.185 χ^2/NDF : 47.2/39

39.758+/-18.790 χ^2/NDF : 26.2/20

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: 57.005 $\pm$ 0.033 χ^2 /NDF: 18442.9/1

Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

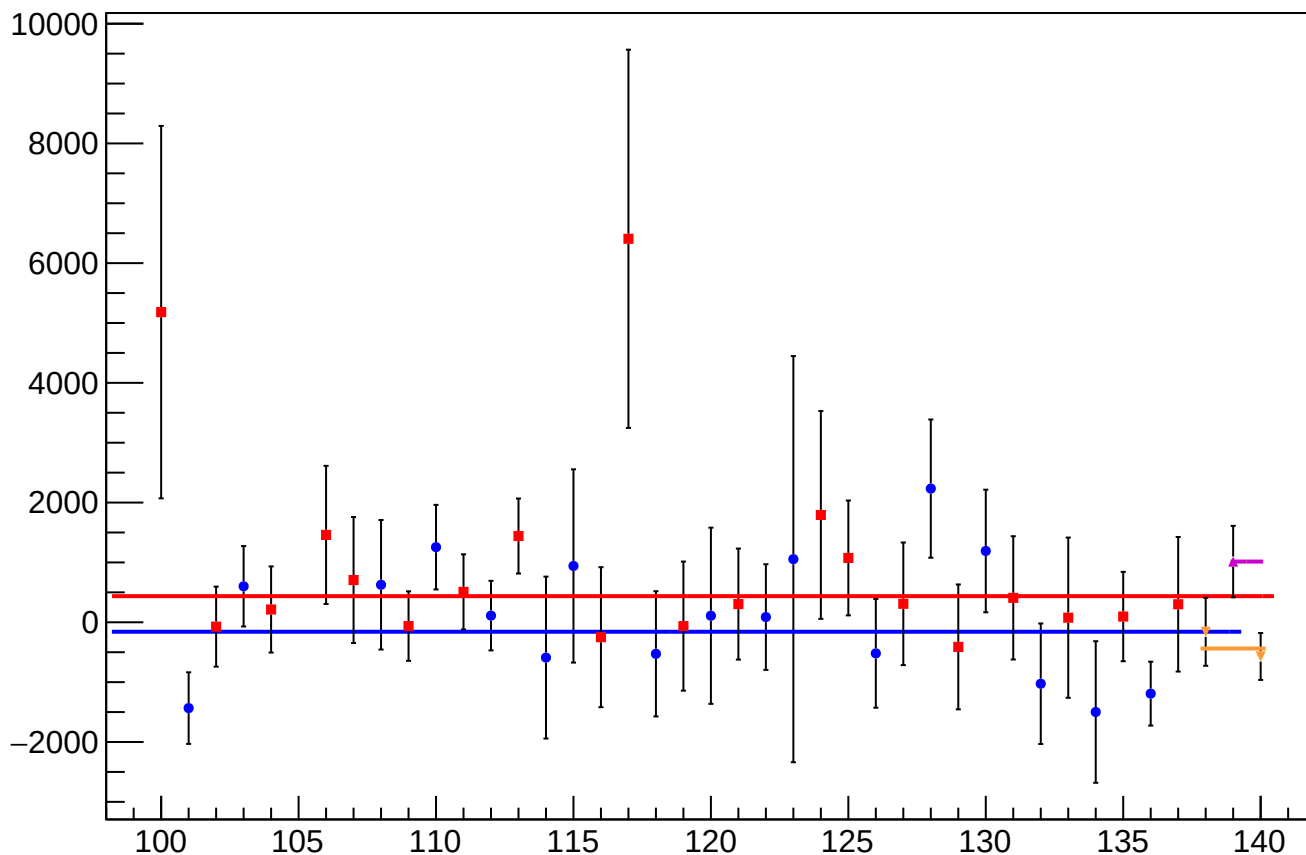
Left In: 65.680 $\pm$ 0.055 χ^2 /NDF: 0.0/0

51.632 $\pm$ 0.013 χ^2 /NDF: 569428.6/18

51.282 $\pm$ 0.009 χ^2 /NDF: 1152226.2/39

50.920 $\pm$ 0.013 χ^2 /NDF: 581339.6/20

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: -438.294 $\pm$ 322.544 χ^2 /NDF:0.4/1

Right Out: 436.410 $\pm$ 203.212 χ^2 /NDF: 13.4/19

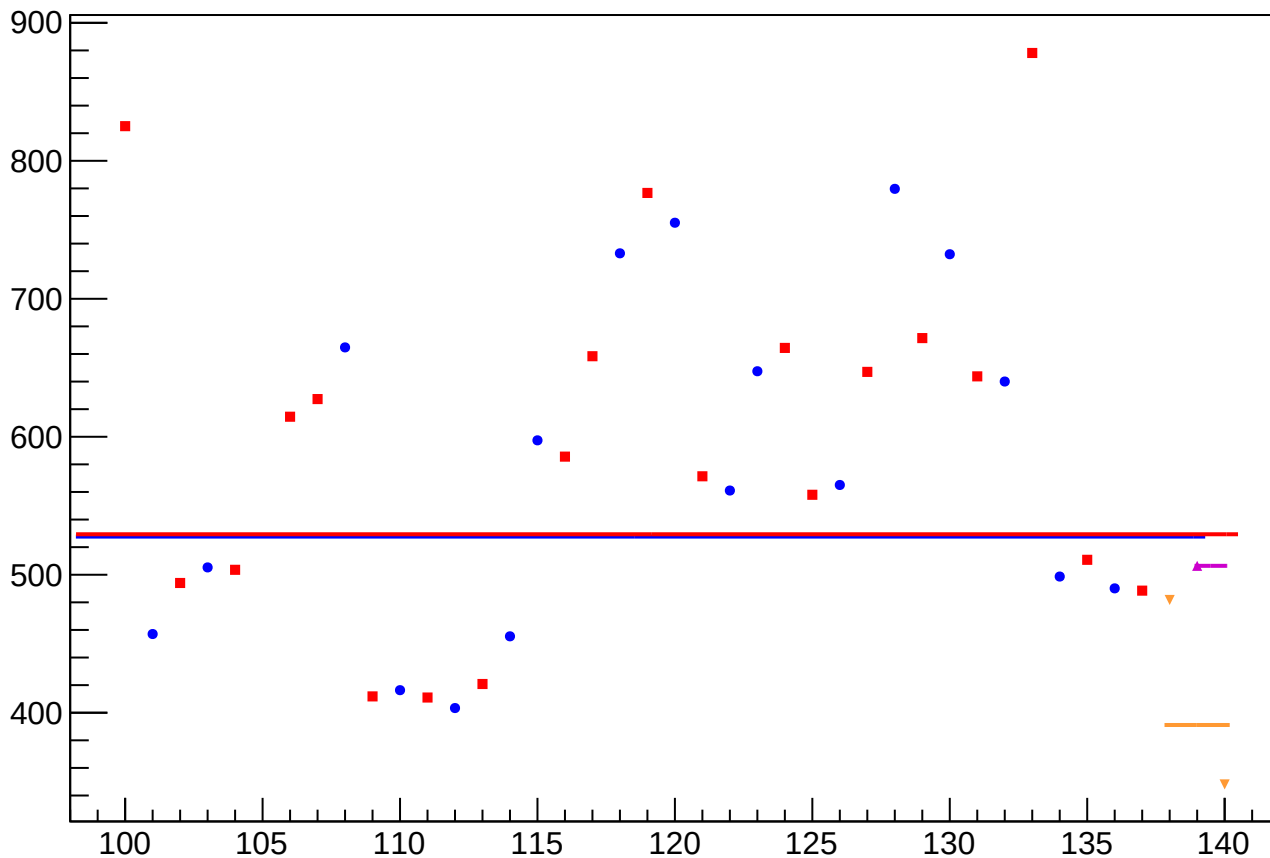
Left In: 1014.299 $\pm$ 596.435 χ^2 /NDF:0.0/0

-241.546 $\pm$ 176.093 χ^2 /NDF: 24.4/18

94.976 $\pm$ 129.886 χ^2 /NDF: 46.6/39

496.516 $\pm$ 192.354 χ^2 /NDF: 14.2/20

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 391.113+/-0.228 χ^2/NDF : 75023.1/1

Right Out: 529.342+/-0.144 χ^2/NDF : 626714.3/19

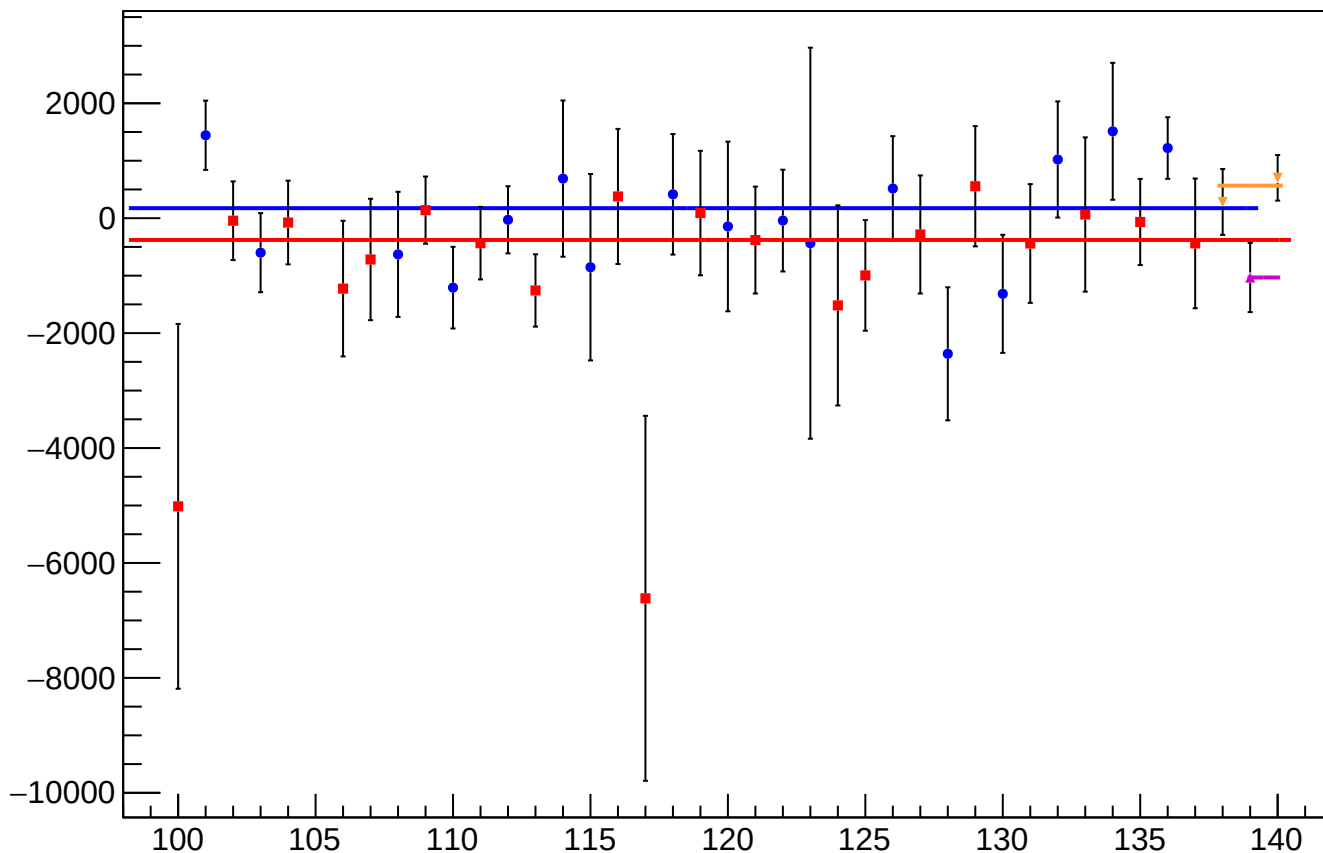
Left In: 506.465+/-0.422 χ^2/NDF : 0.0/0

486.963+/-0.125 χ^2/NDF : 884060.8/18

505.201+/-0.092 χ^2/NDF : 1560464.5/39

526.963+/-0.136 χ^2/NDF : 629350.7/20

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 566.339 $\pm$ 326.084 χ^2 /NDF: 0.4/1

Right Out: -378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

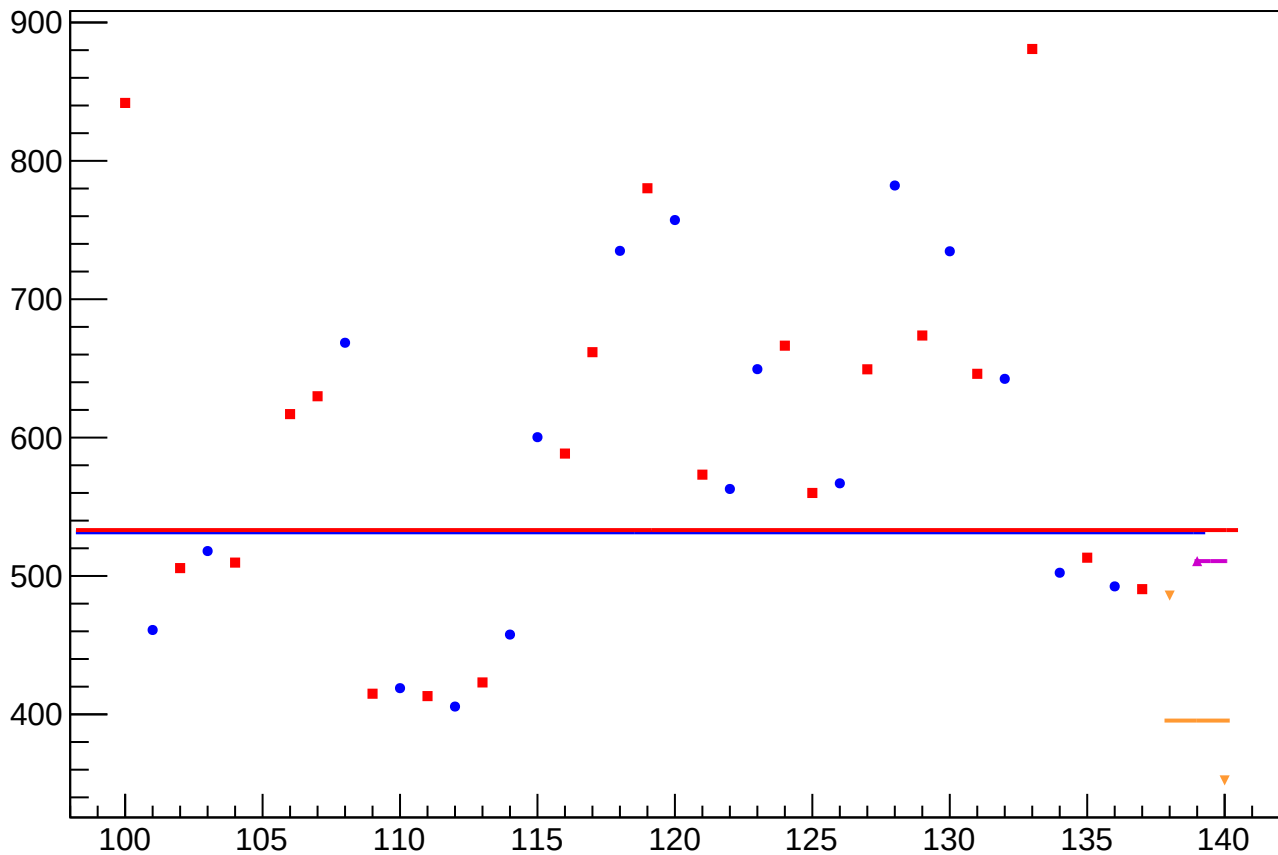
Left In: -1032.335 $\pm$ 601.462 χ^2 /NDF: 0.0/0

290.729 $\pm$ 177.540 χ^2 /NDF: 25.1/18

-45.579 $\pm$ 130.926 χ^2 /NDF: 46.3/39

-446.515 $\pm$ 193.849 χ^2 /NDF: 13.4/20

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 395.495+/-0.231 χ^2/NDF : 73472.1/1

Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

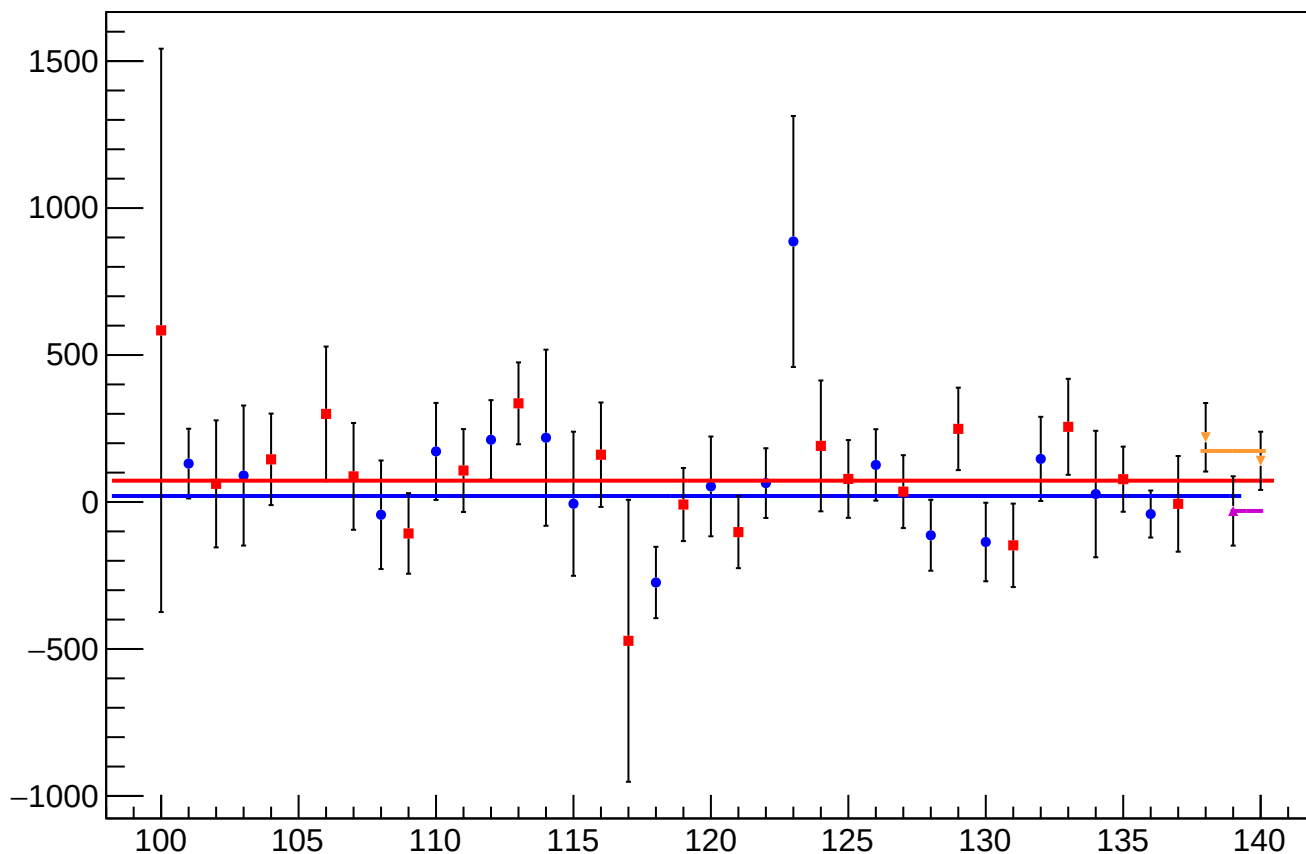
Left In: 510.745+/-0.425 χ^2/NDF : 0.0/0

491.221+/-0.126 χ^2/NDF : 868538.0/18

509.289+/-0.093 χ^2/NDF : 1535472.2/39

530.829+/-0.137 χ^2/NDF : 621527.0/20

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441+/-34.583 χ^2/NDF : 19.3/16

Left Out: 173.672+/-75.475 χ^2/NDF : 0.3/1

Right Out: 72.603+/-34.608 χ^2/NDF : 16.7/19

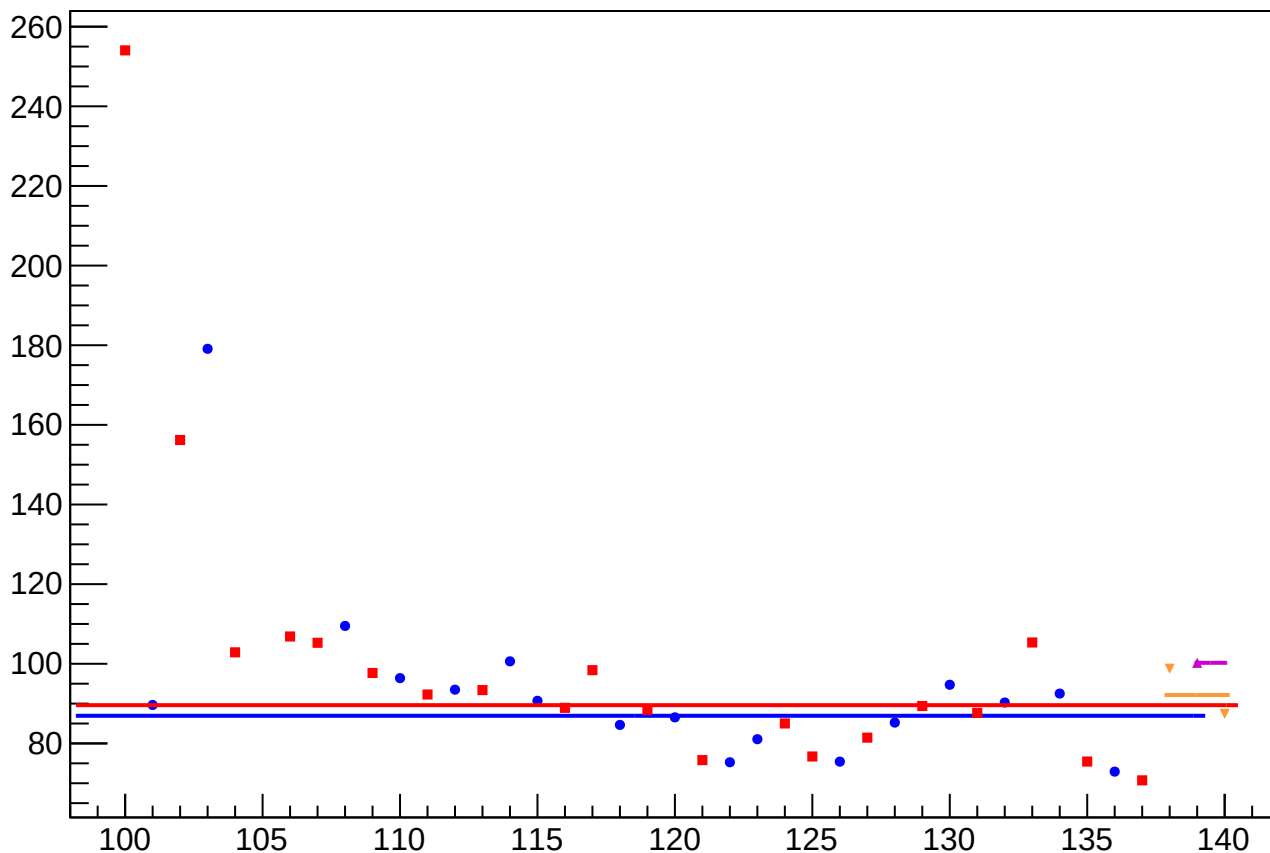
Left In: -30.408+/-117.961 χ^2/NDF : 0.0/0

47.030+/-31.440 χ^2/NDF : 23.0/18

55.259+/-22.831 χ^2/NDF : 40.5/39

64.439+/-33.208 χ^2/NDF : 17.4/20

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 92.157+/-0.053 χ^2/NDF : 11026.2/1

Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

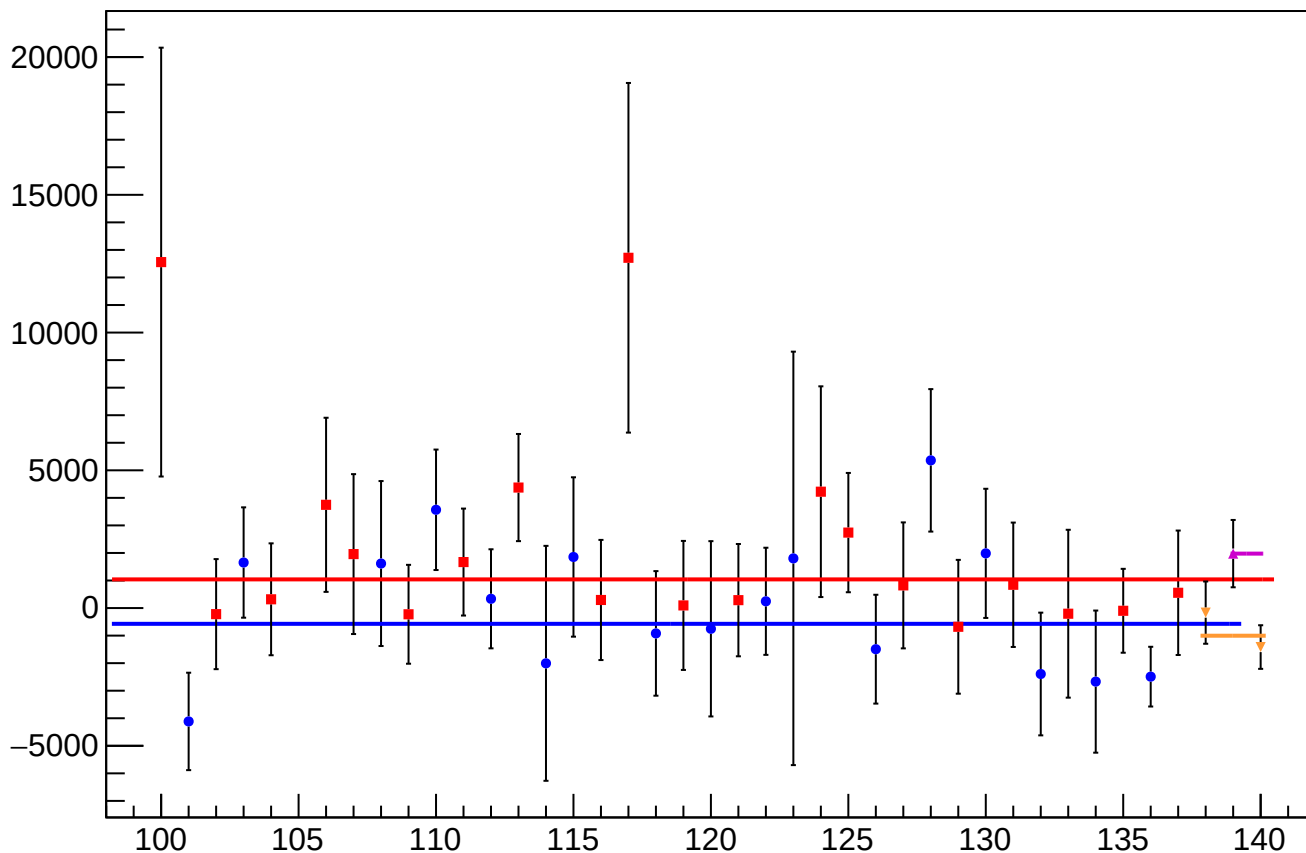
Left In: 100.247+/-0.083 χ^2/NDF : 0.0/0

87.847+/-0.022 χ^2/NDF : 474724.9/18

89.078+/-0.016 χ^2/NDF : 928090.5/39

90.450+/-0.023 χ^2/NDF : 446886.8/20

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 $\pm$ 517.020 χ^2 /NDF: 21.9/16

Left Out: -1003.957 $\pm$ 648.411 χ^2 /NDF: 0.8/1

Right Out: 1040.618 $\pm$ 512.937 χ^2 /NDF: 13.5/19

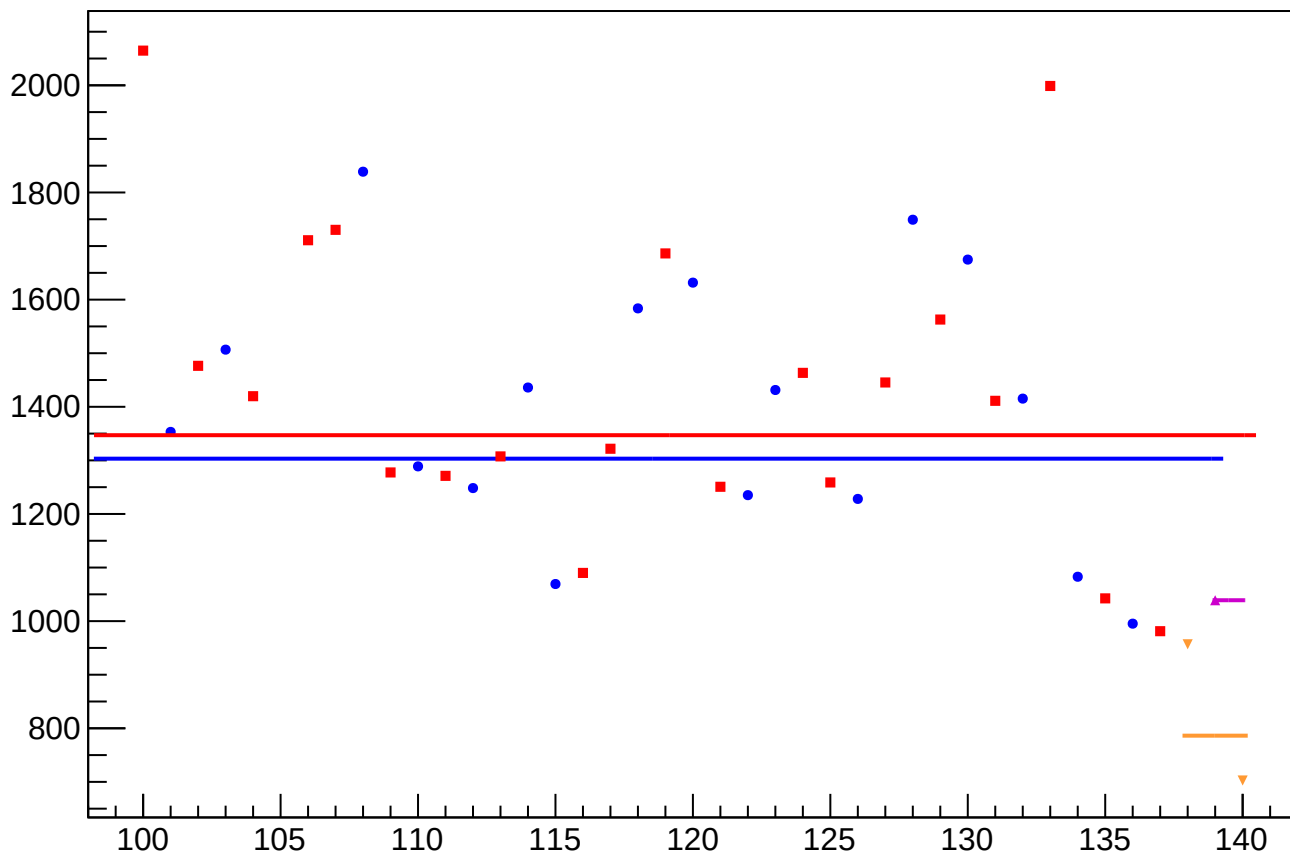
Left In: 1975.902 $\pm$ 1222.110 χ^2 /NDF: 0.0/0

-740.100 $\pm$ 404.244 χ^2 /NDF: 23.0/18

70.738 $\pm$ 307.296 χ^2 /NDF: 46.5/39

1180.701 $\pm$ 472.967 χ^2 /NDF: 14.0/20

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 786.242+/-0.458 χ^2/NDF : 67870.1/1

Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

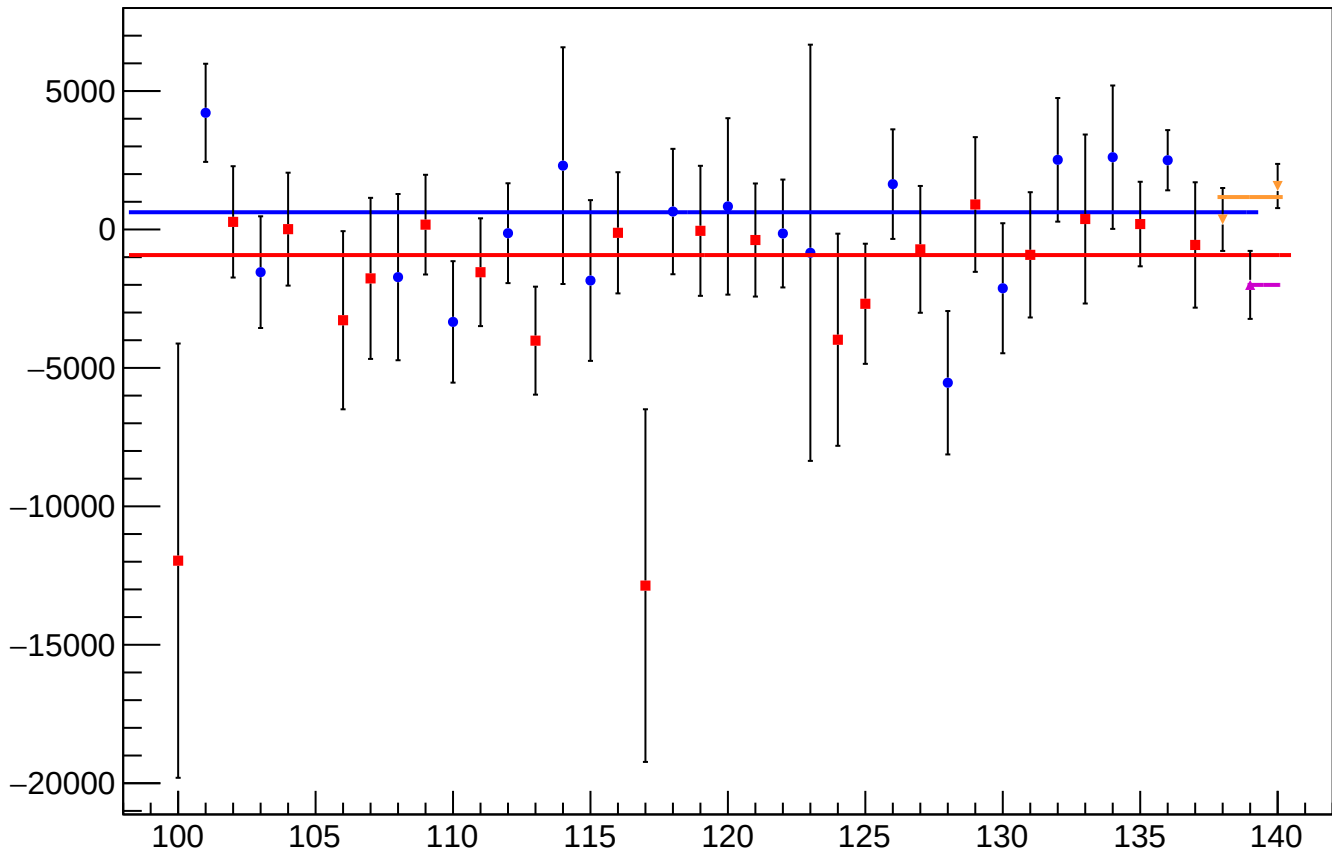
Left In: 1038.999+/-0.864 χ^2/NDF : 0.0/0

1102.272+/-0.286 χ^2/NDF : 1296996.6/18

1186.111+/-0.217 χ^2/NDF : 2029603.6/39

1300.878+/-0.334 χ^2/NDF : 528819.3/20

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 1170.797+/-653.093 χ^2/NDF : 0.8/1

Right Out: -924.488+/-514.636 χ^2/NDF : 12.6/19

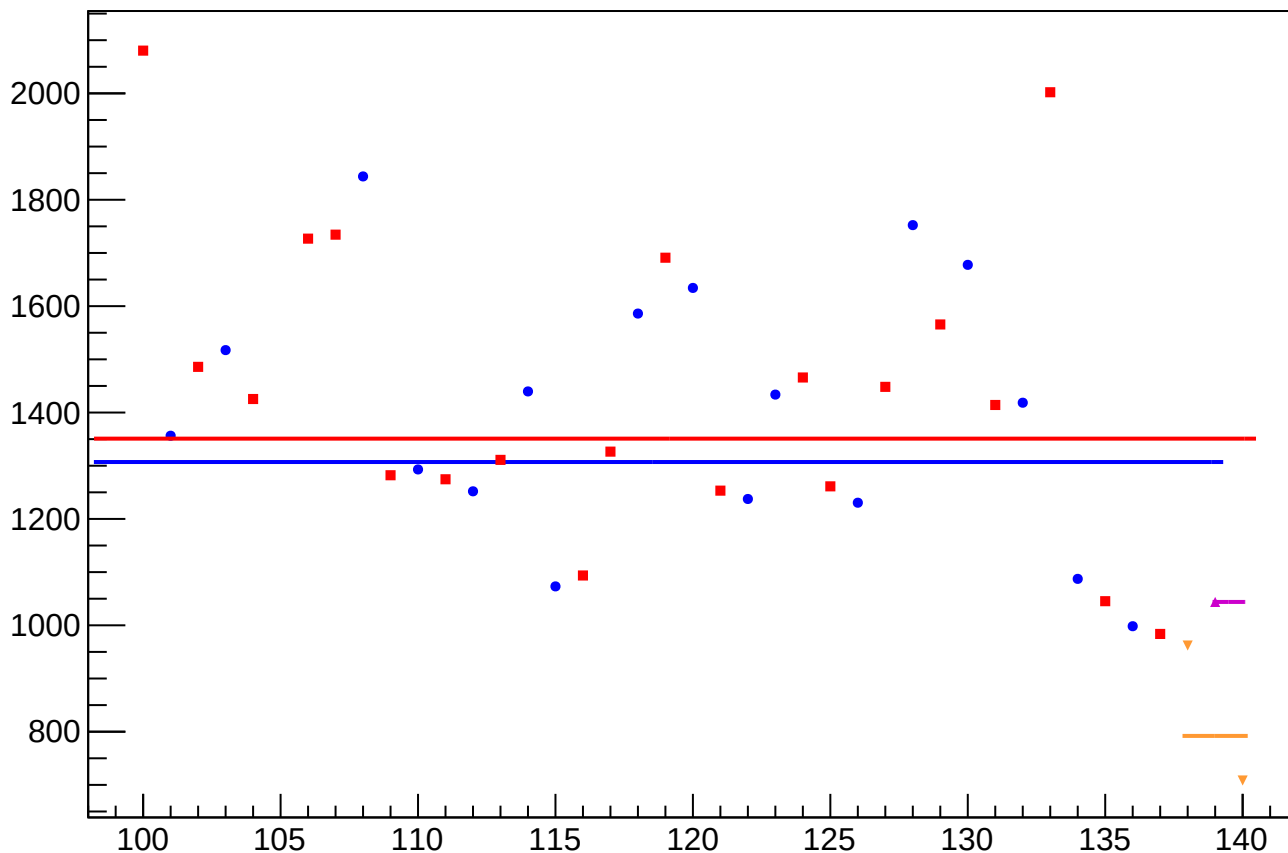
Left In: -2001.783+/-1227.895 χ^2/NDF : 0.0/0

834.424+/-406.081 χ^2/NDF : 23.1/18

23.025+/-308.560 χ^2/NDF : 45.9/39

-1085.453+/-474.634 χ^2/NDF : 13.3/20

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 792.077 $\pm$ 0.462 χ^2 /NDF:66777.2/1

Right Out: 1350.936 $\pm$ 0.364 χ^2 /NDF: 421834.2/19

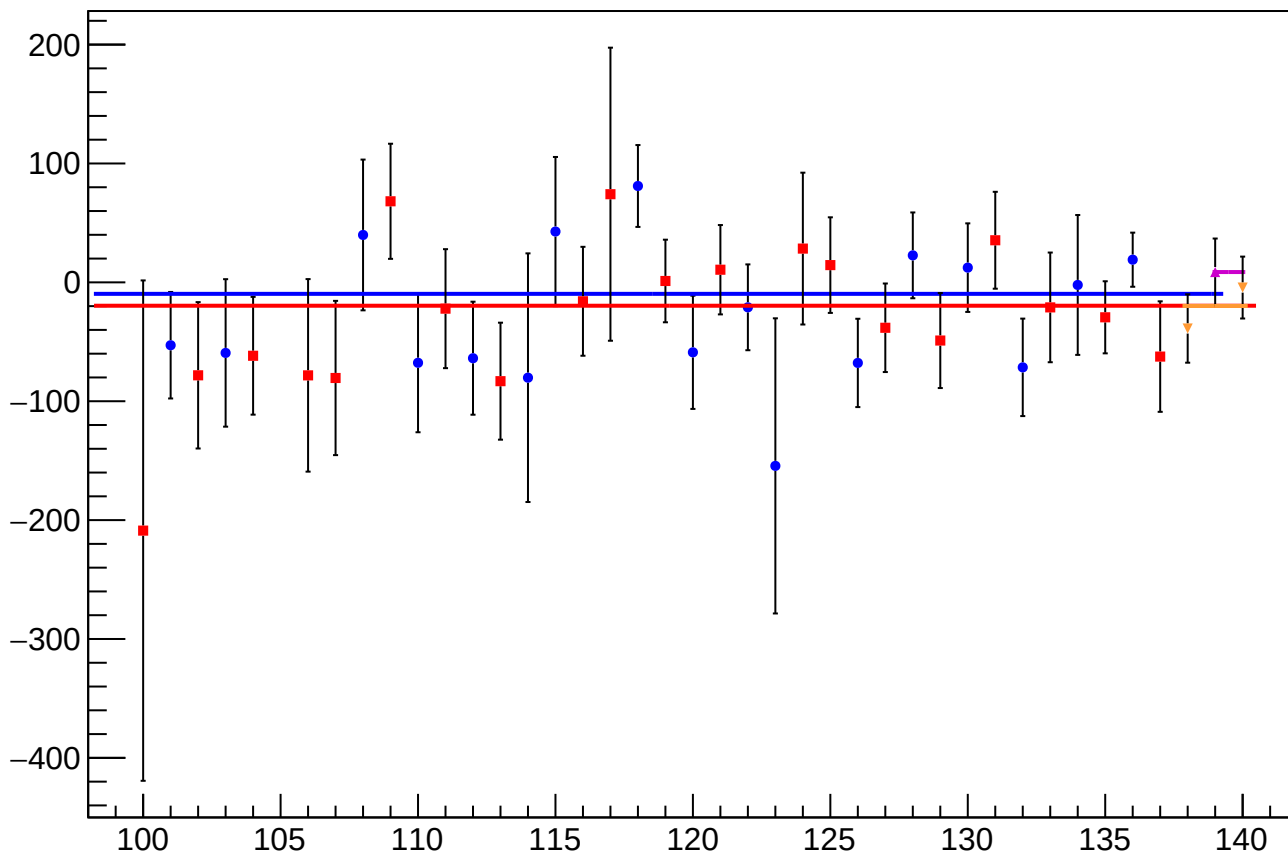
Left In: 1043.935 $\pm$ 0.868 χ^2 /NDF:0.0/0

1107.912 $\pm$ 0.287 χ^2 /NDF: 1280516.5/18

1191.235 $\pm$ 0.218 χ^2 /NDF: 2007930.4/39

1305.065 $\pm$ 0.336 χ^2 /NDF: 528176.2/20

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: -19.879+/-19.304 χ^2/NDF : 0.8/1

Right Out: -19.662+/-10.406 χ^2/NDF : 15.2/19

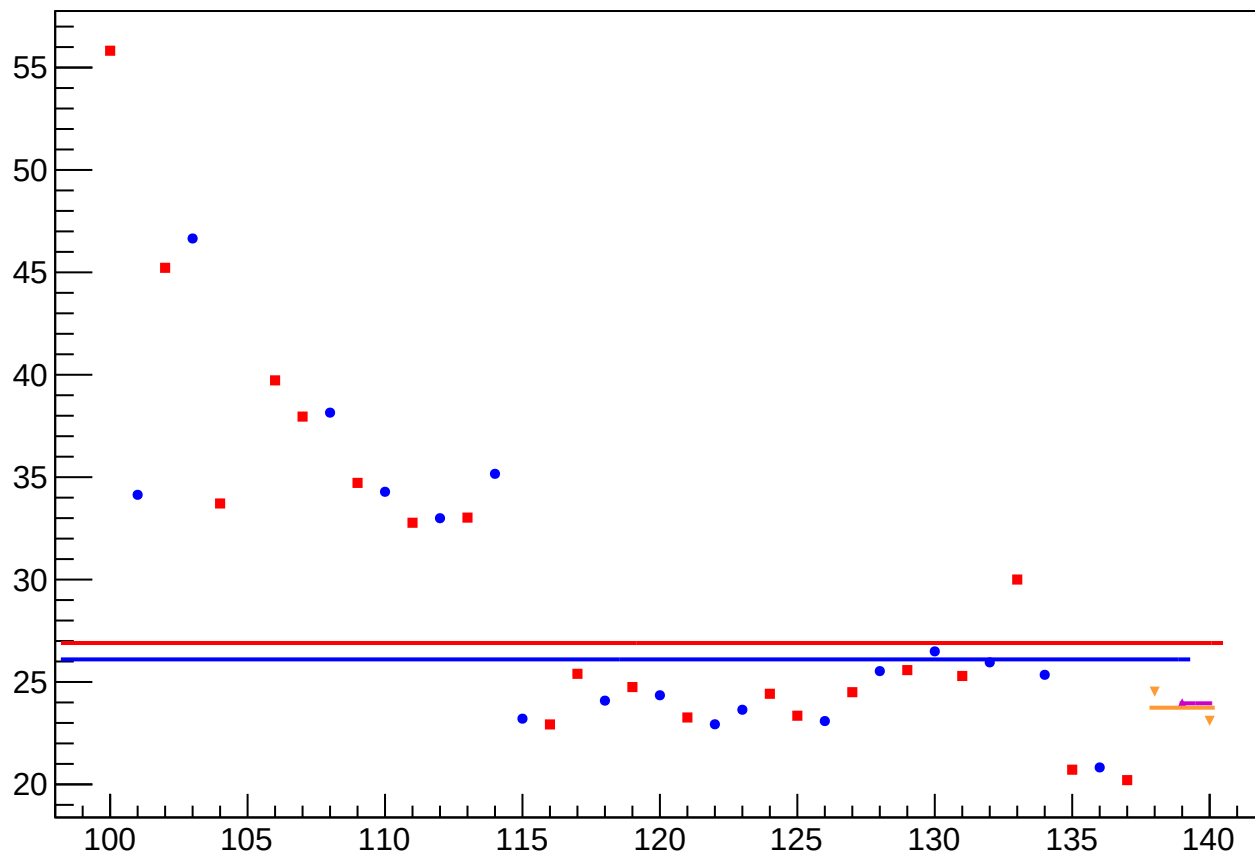
Left In: 8.672+/-28.188 χ^2/NDF : 0.0/0

-11.968+/-9.161 χ^2/NDF : 23.6/18

-13.979+/-6.680 χ^2/NDF : 39.8/39

-16.263+/-9.762 χ^2/NDF : 16.1/20

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 23.745 $\pm$ 0.014 χ^2 /NDF: 2695.3/1

Right Out: 26.903 $\pm$ 0.007 χ^2 /NDF: 679269.9/19

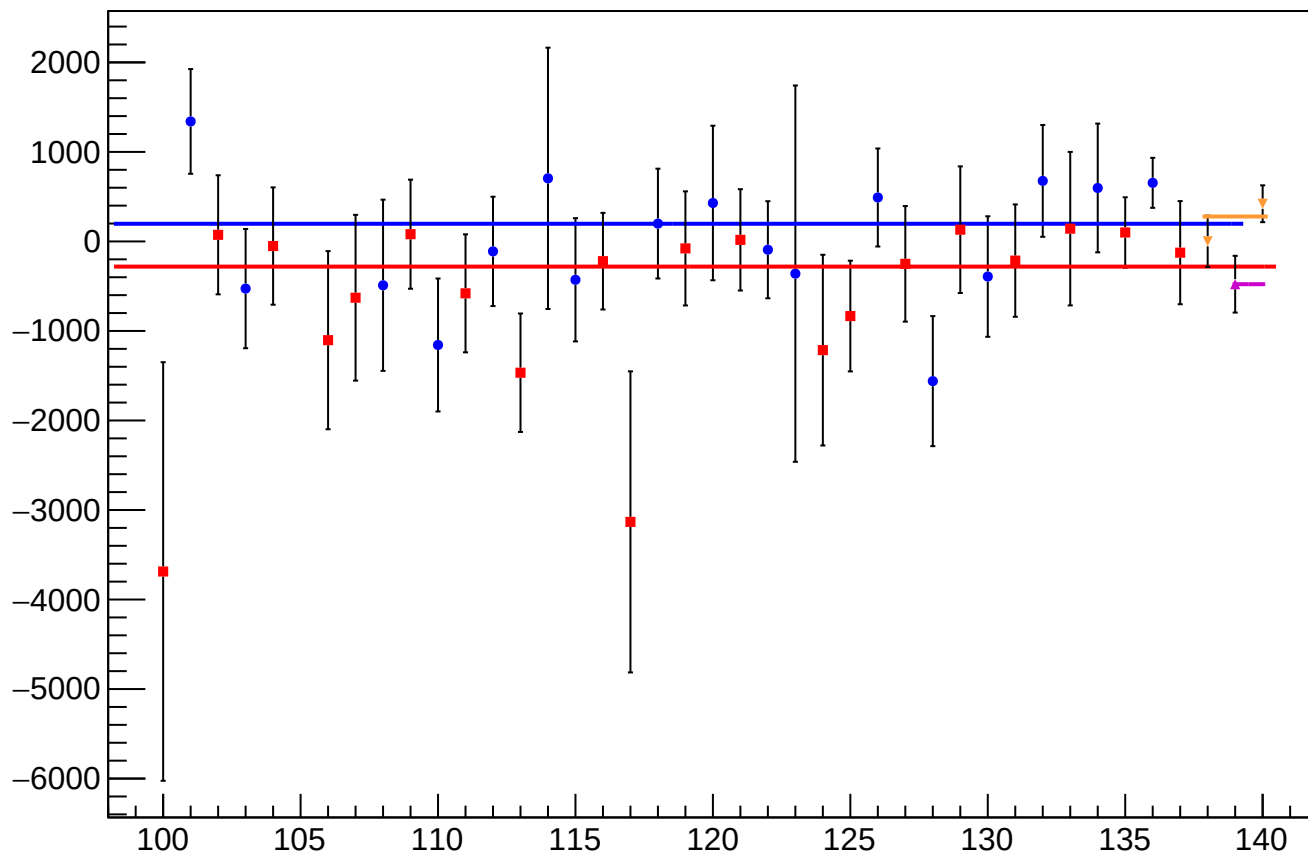
Left In: 23.958 $\pm$ 0.020 χ^2 /NDF: 0.0/0

25.572 $\pm$ 0.006 χ^2 /NDF: 629855.4/18

26.030 $\pm$ 0.005 χ^2 /NDF: 1339013.2/39

26.550 $\pm$ 0.007 χ^2 /NDF: 698478.3/20

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: 278.497 $\pm$ 167.211 χ^2 /NDF:1.4/1

Right Out: -281.185 $\pm$ 149.275 χ^2 /NDF: 13.6/19

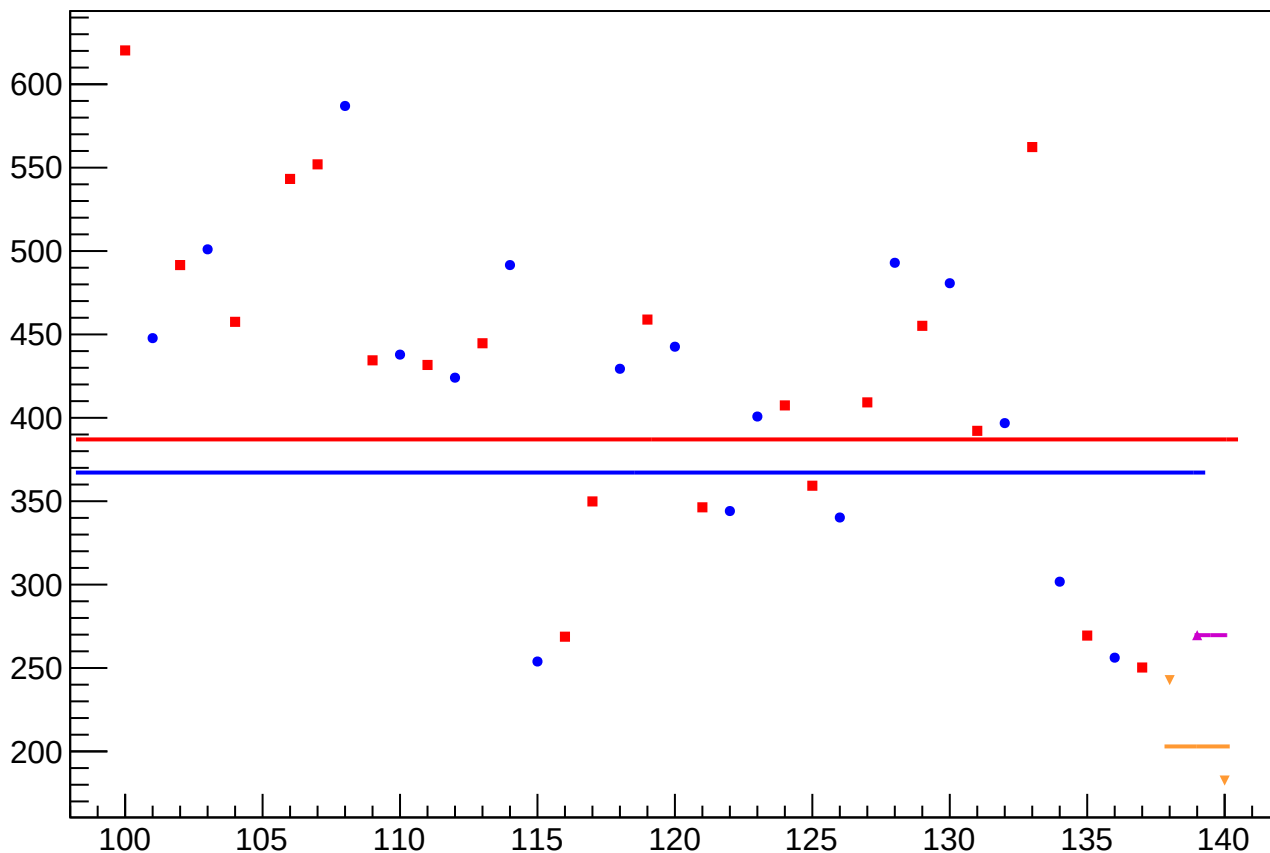
Left In: -477.697 $\pm$ 316.967 χ^2 /NDF:0.0/0

232.952 $\pm$ 110.775 χ^2 /NDF: 22.5/18

11.812 $\pm$ 85.648 χ^2 /NDF: 46.3/39

-316.858 $\pm$ 135.048 χ^2 /NDF: 13.9/20

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: 202.964 $\pm$ 0.118 χ^2 /NDF: 58170.2/1

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

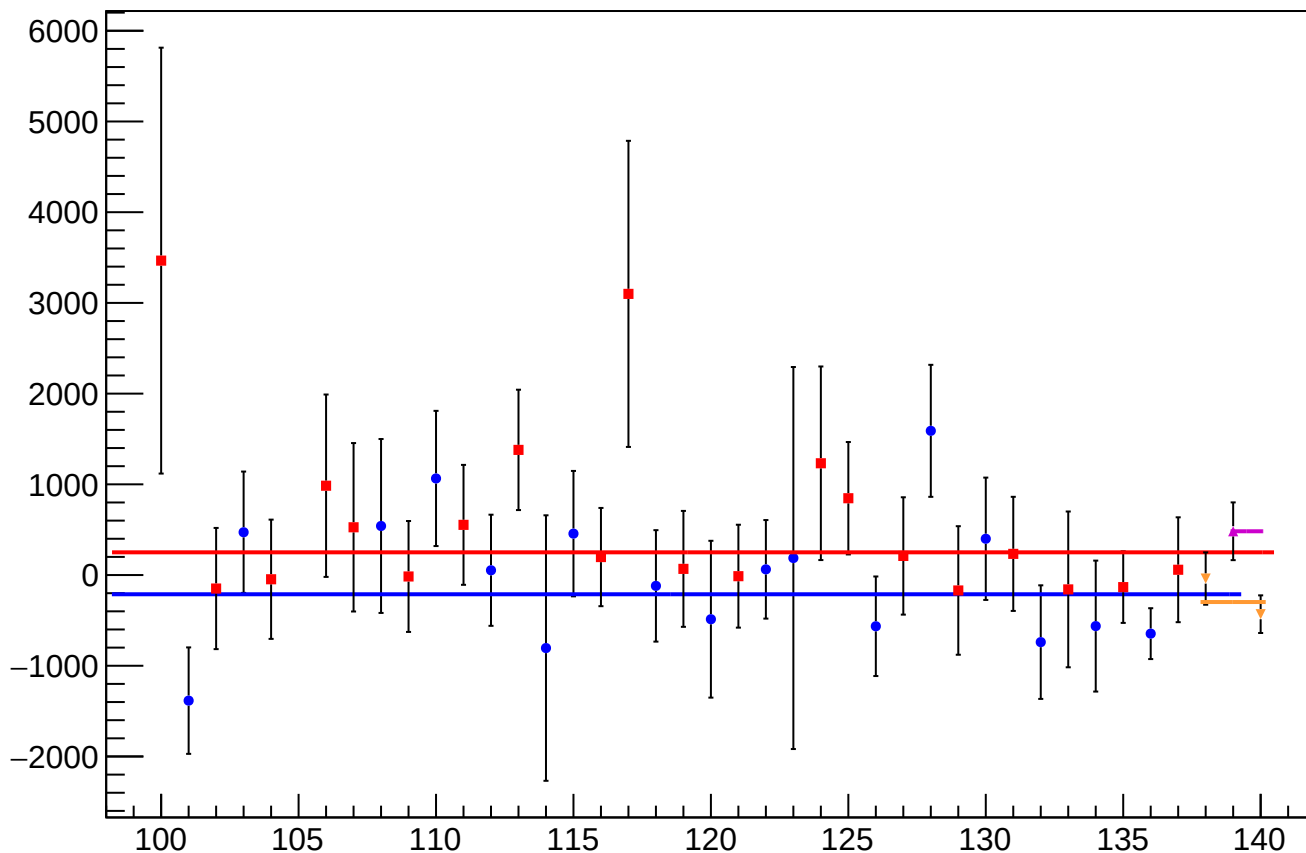
Left In: 269.687 $\pm$ 0.224 χ^2 /NDF: 0.0/0

295.107 $\pm$ 0.078 χ^2 /NDF: 1967700.0/18

323.518 $\pm$ 0.061 χ^2 /NDF: 3294744.5/39

365.744 $\pm$ 0.095 χ^2 /NDF: 999963.8/20

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -297.454+/-168.417 χ^2/NDF : 1.2/1

Right Out: 250.443+/-149.724 χ^2/NDF : 12.9/19

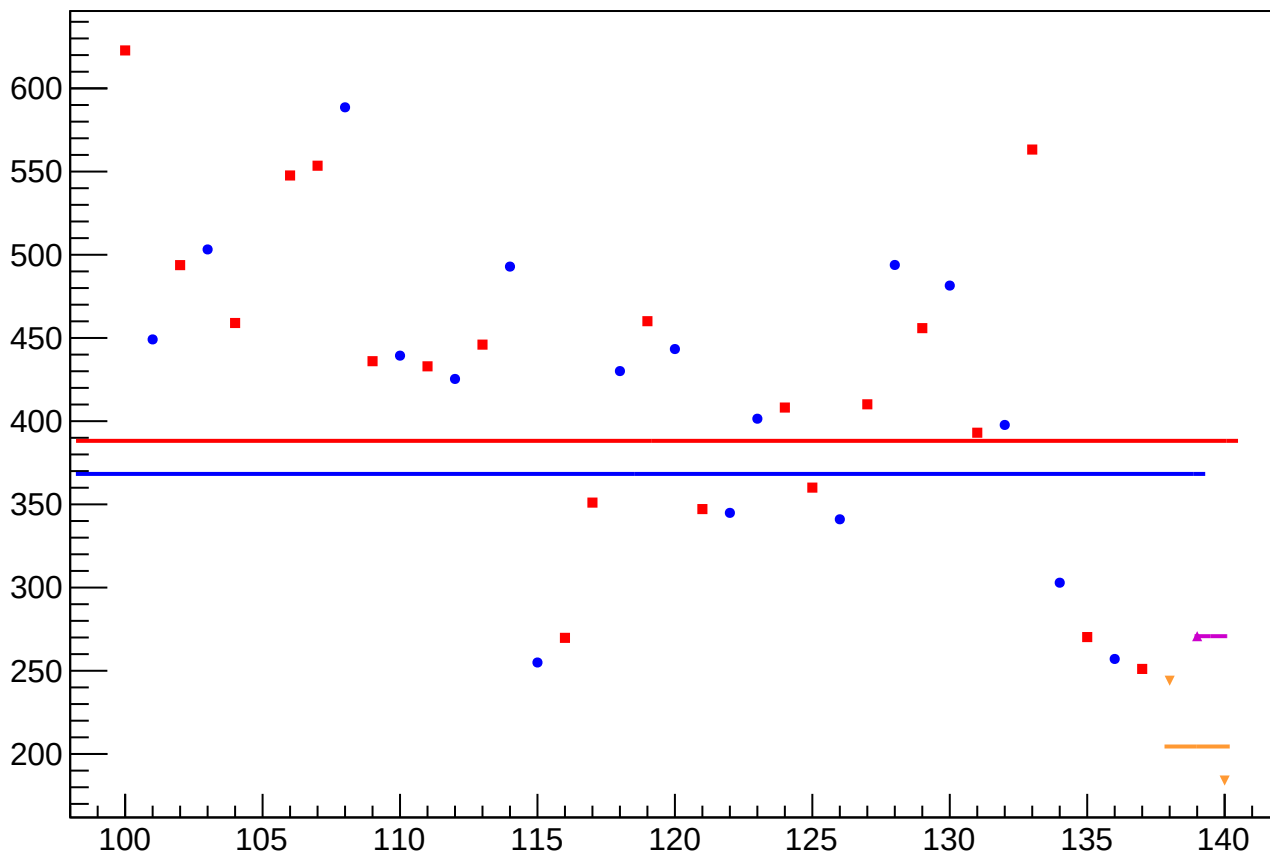
Left In: 482.535+/-318.256 χ^2/NDF : 0.0/0

-249.246+/-111.307 χ^2/NDF : 22.4/18

-30.932+/-86.004 χ^2/NDF : 45.3/39

292.502+/-135.480 χ^2/NDF : 13.4/20

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: 204.488 $\pm$ 0.119 χ^2 /NDF: 57042.0/1

Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

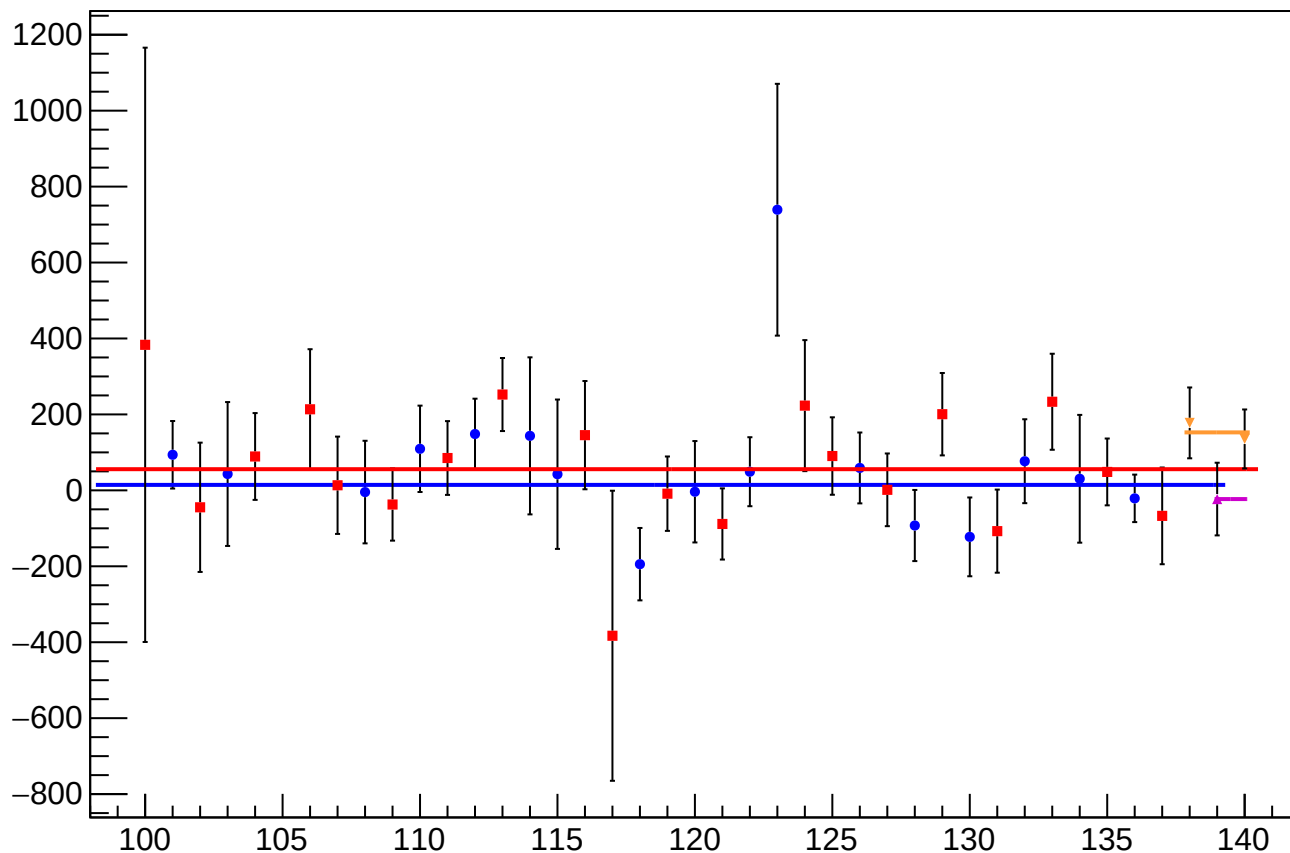
Left In: 270.789 $\pm$ 0.225 χ^2 /NDF: 0.0/0

296.749 $\pm$ 0.079 χ^2 /NDF: 1947347.6/18

325.021 $\pm$ 0.061 χ^2 /NDF: 3266015.7/39

366.905 $\pm$ 0.096 χ^2 /NDF: 998484.8/20

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 152.660+/-59.716 χ^2/NDF : 0.1/1

Right Out: 55.744+/-26.060 χ^2/NDF : 19.7/19

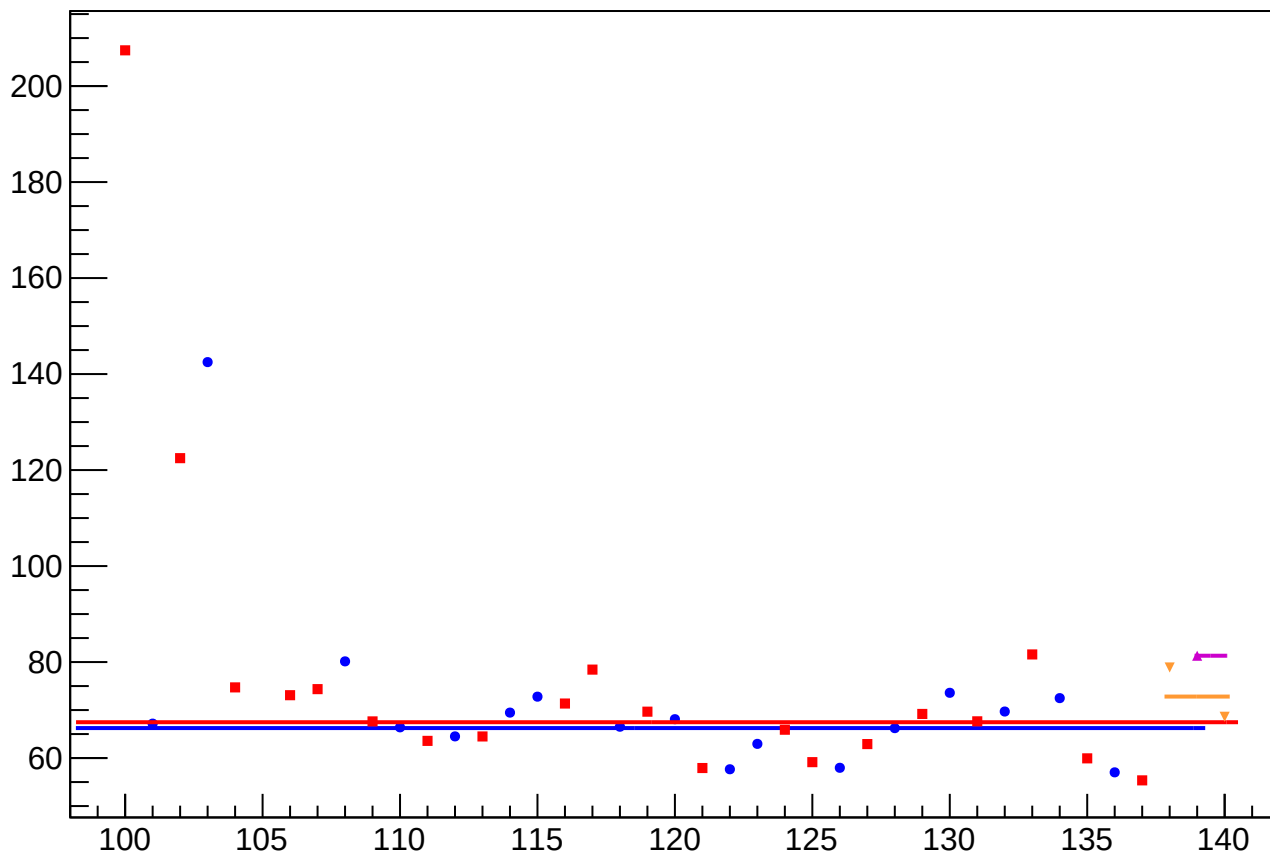
Left In: -22.950+/-95.700 χ^2/NDF : 0.0/0

36.897+/-24.095 χ^2/NDF : 22.3/18

43.318+/-17.397 χ^2/NDF : 42.8/39

50.311+/-25.145 χ^2/NDF : 20.4/20

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 $\pm$ 0.019 χ^2 /NDF: 440944.2/16

Left Out: 72.811 $\pm$ 0.042 χ^2 /NDF:14302.2/1

Right Out: 67.466 $\pm$ 0.018 χ^2 /NDF: 395262.8/19

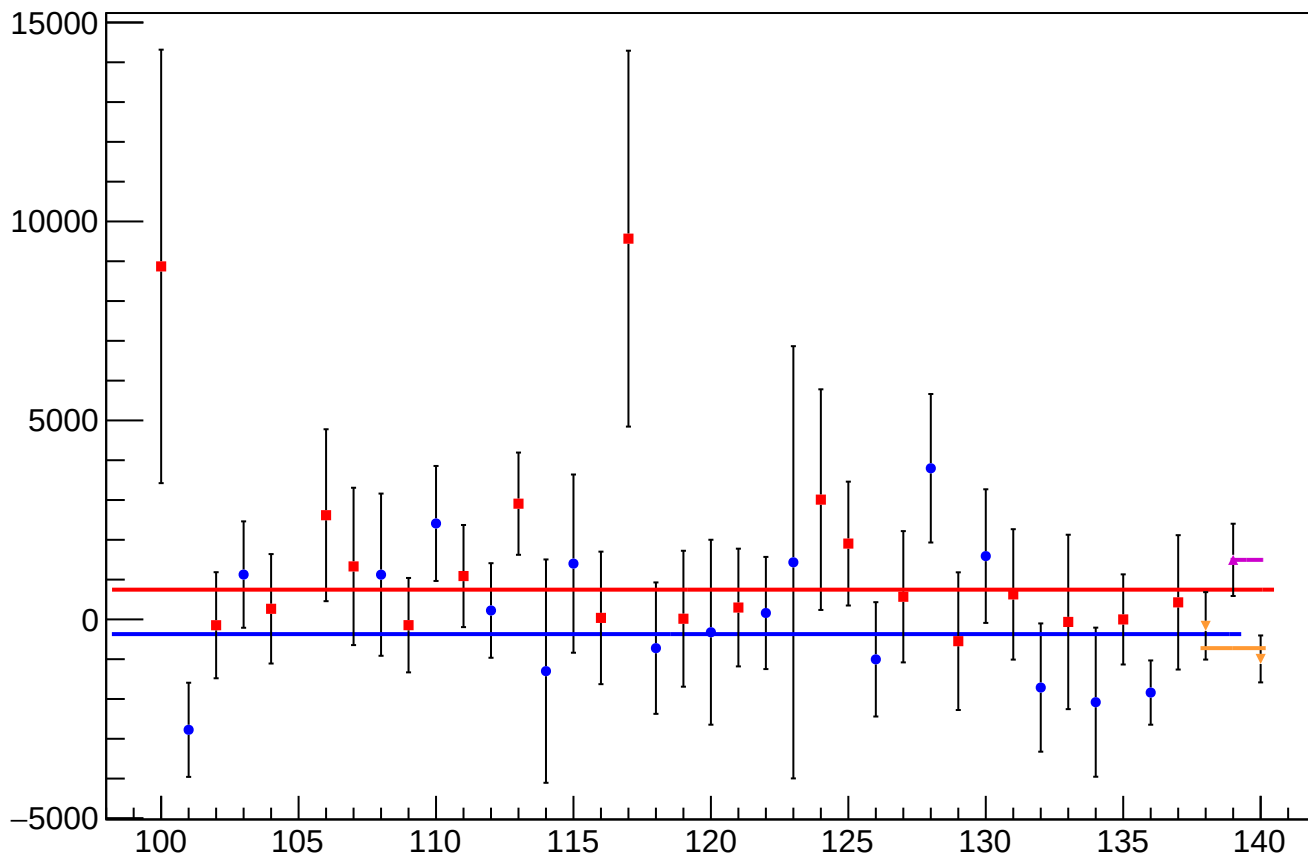
Left In: 81.320 $\pm$ 0.068 χ^2 /NDF:0.0/0

67.316 $\pm$ 0.017 χ^2 /NDF: 475476.3/18

67.846 $\pm$ 0.012 χ^2 /NDF: 911775.9/39

68.423 $\pm$ 0.018 χ^2 /NDF: 434278.8/20

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -722.067+/-484.031 χ^2/NDF : 0.6/1

Right Out: 747.208+/-360.830 χ^2/NDF : 13.4/19

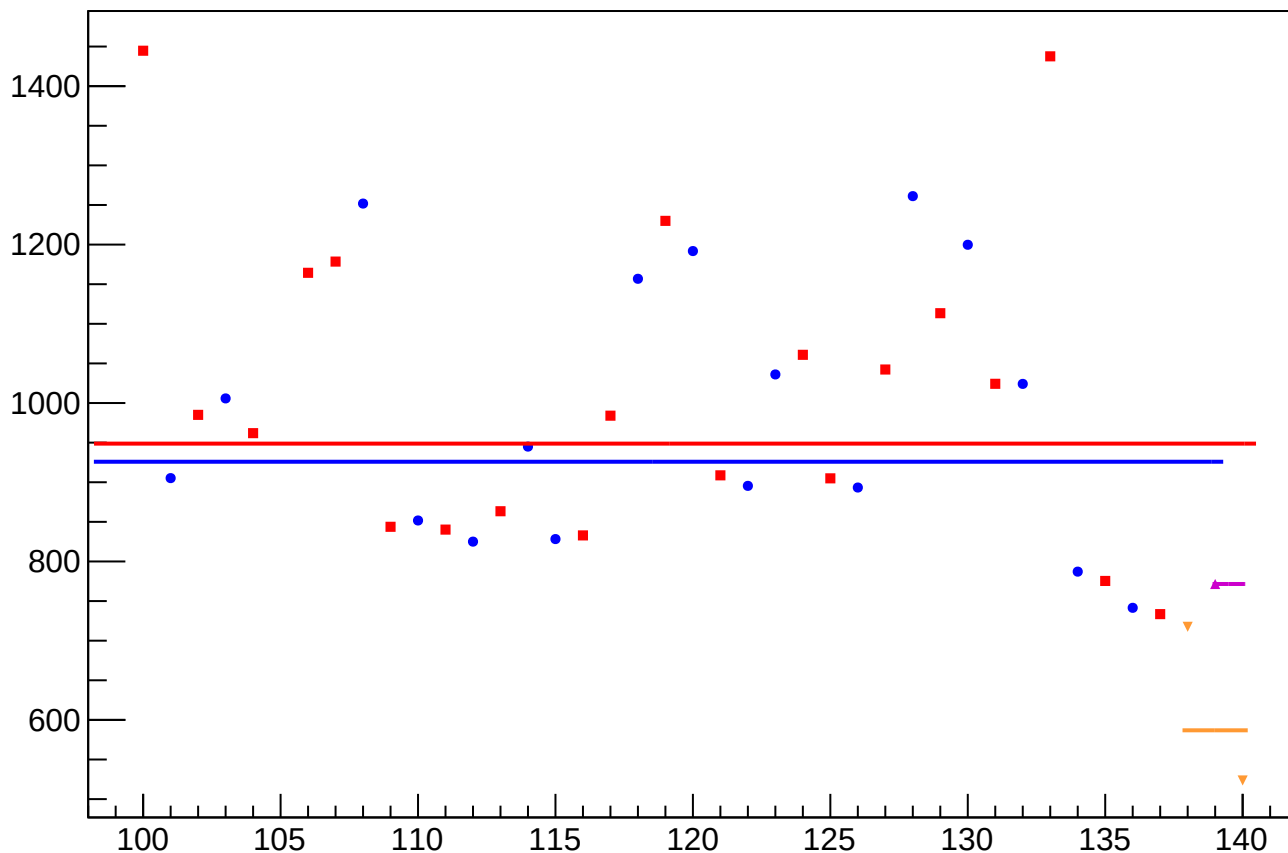
Left In: 1496.104+/-907.856 χ^2/NDF : 0.0/0

-497.976+/-292.155 χ^2/NDF : 23.3/18

83.457+/-220.274 χ^2/NDF : 46.5/39

849.371+/-335.316 χ^2/NDF : 14.0/20

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 586.855+/-0.342 χ^2/NDF : 70627.5/1

Right Out: 948.760+/-0.255 χ^2/NDF : 382044.0/19

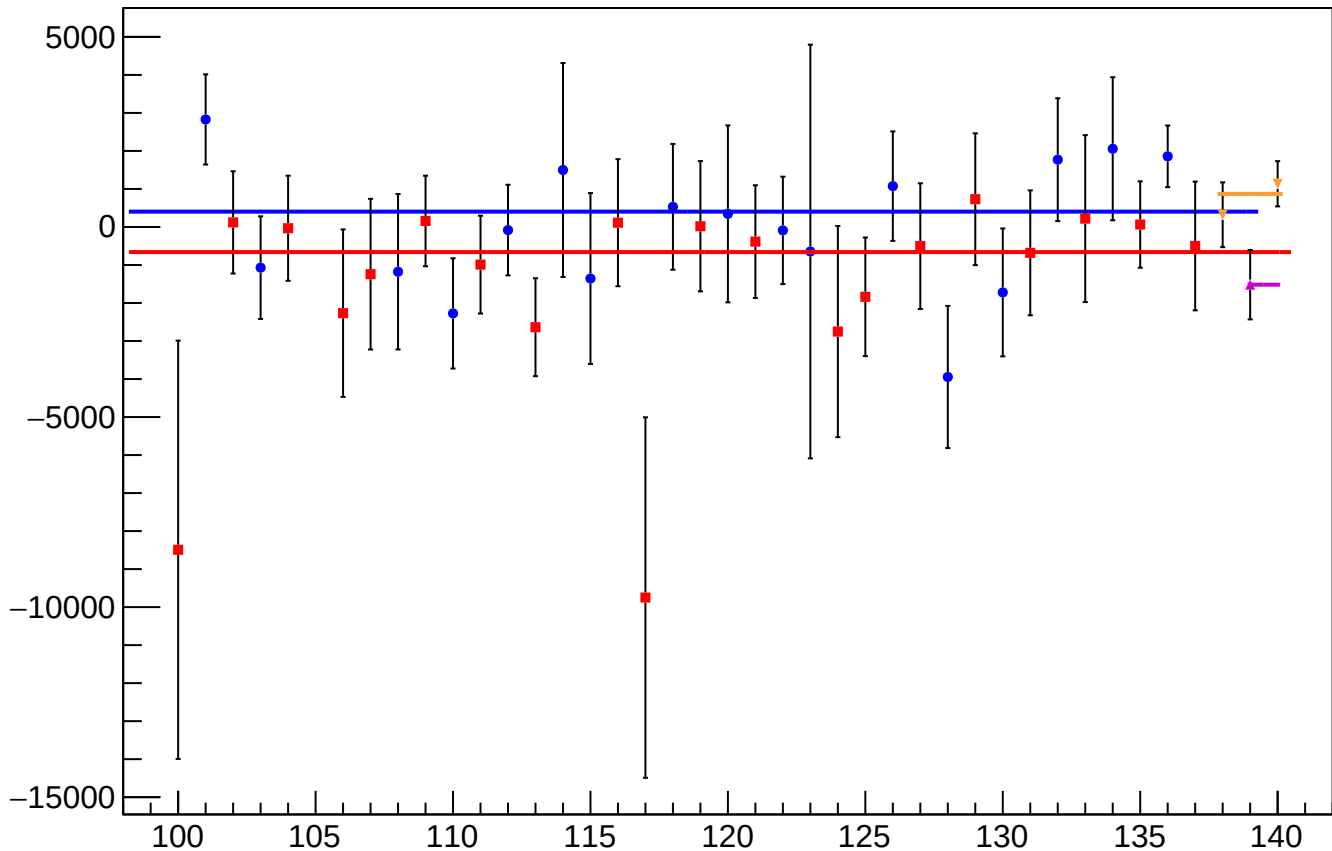
Left In: 771.561+/-0.642 χ^2/NDF : 0.0/0

802.370+/-0.207 χ^2/NDF : 1085445.3/18

855.111+/-0.156 χ^2/NDF : 1684324.9/39

924.586+/-0.237 χ^2/NDF : 447842.8/20

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 869.608+/-487.929 χ^2/NDF : 0.6/1

Right Out: -660.630+/-362.265 χ^2/NDF : 12.5/19

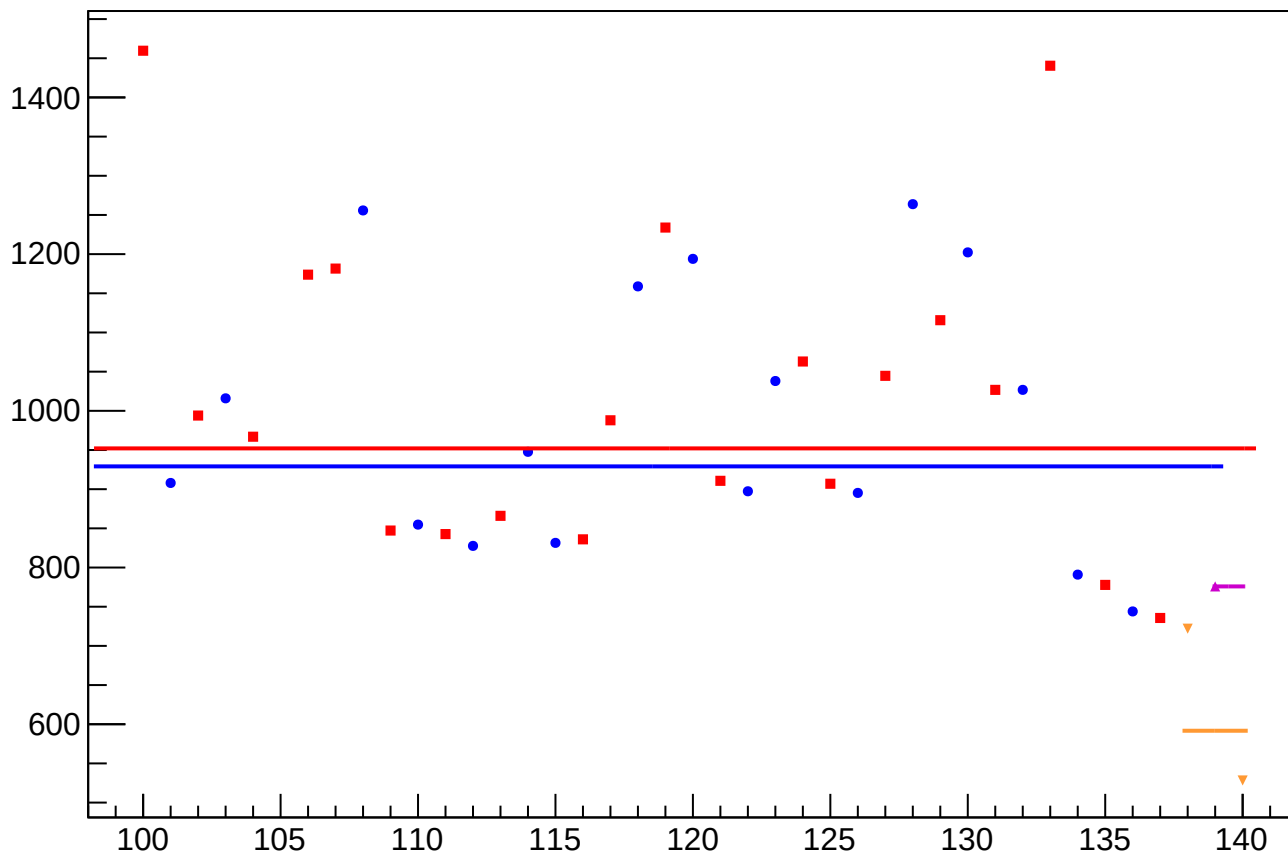
Left In: -1517.671+/-912.952 χ^2/NDF : 0.0/0

572.377+/-293.645 χ^2/NDF : 23.6/18

-10.619+/-221.312 χ^2/NDF : 46.0/39

-777.219+/-336.725 χ^2/NDF : 13.3/20

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 591.696 $\pm$ 0.345 χ^2 /NDF: 69446.2/1

Right Out: 952.057 $\pm$ 0.256 χ^2 /NDF: 382334.5/19

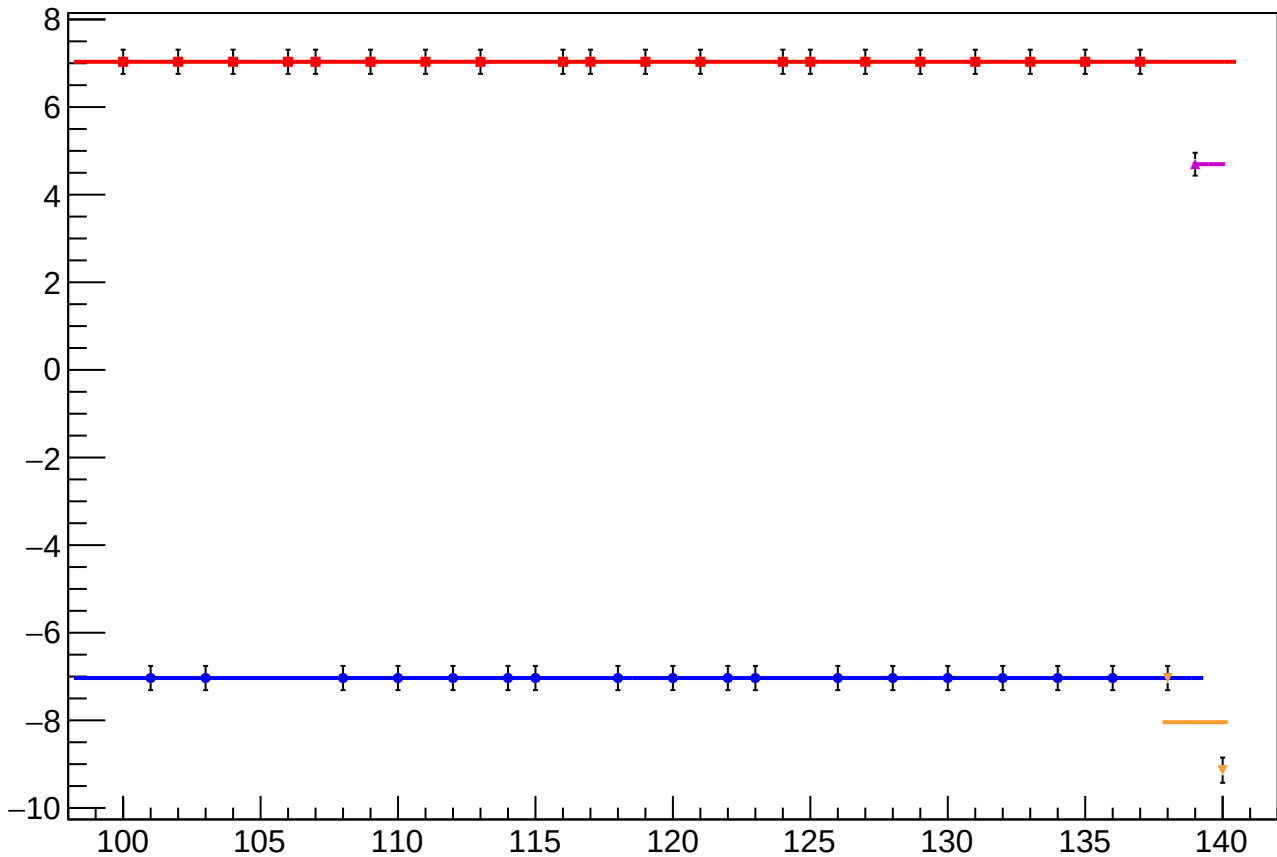
Left In: 775.905 $\pm$ 0.646 χ^2 /NDF: 0.0/0

806.894 $\pm$ 0.208 χ^2 /NDF: 1069700.0/18

859.250 $\pm$ 0.156 χ^2 /NDF: 1663545.1/39

928.094 $\pm$ 0.238 χ^2 /NDF: 446663.8/20

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.034+/-0.067 χ^2/NDF : 0.0/16

Left Out: -8.042+/-0.199 χ^2/NDF : 27.8/1

Right Out: 7.034+/-0.062 χ^2/NDF : 0.0/19

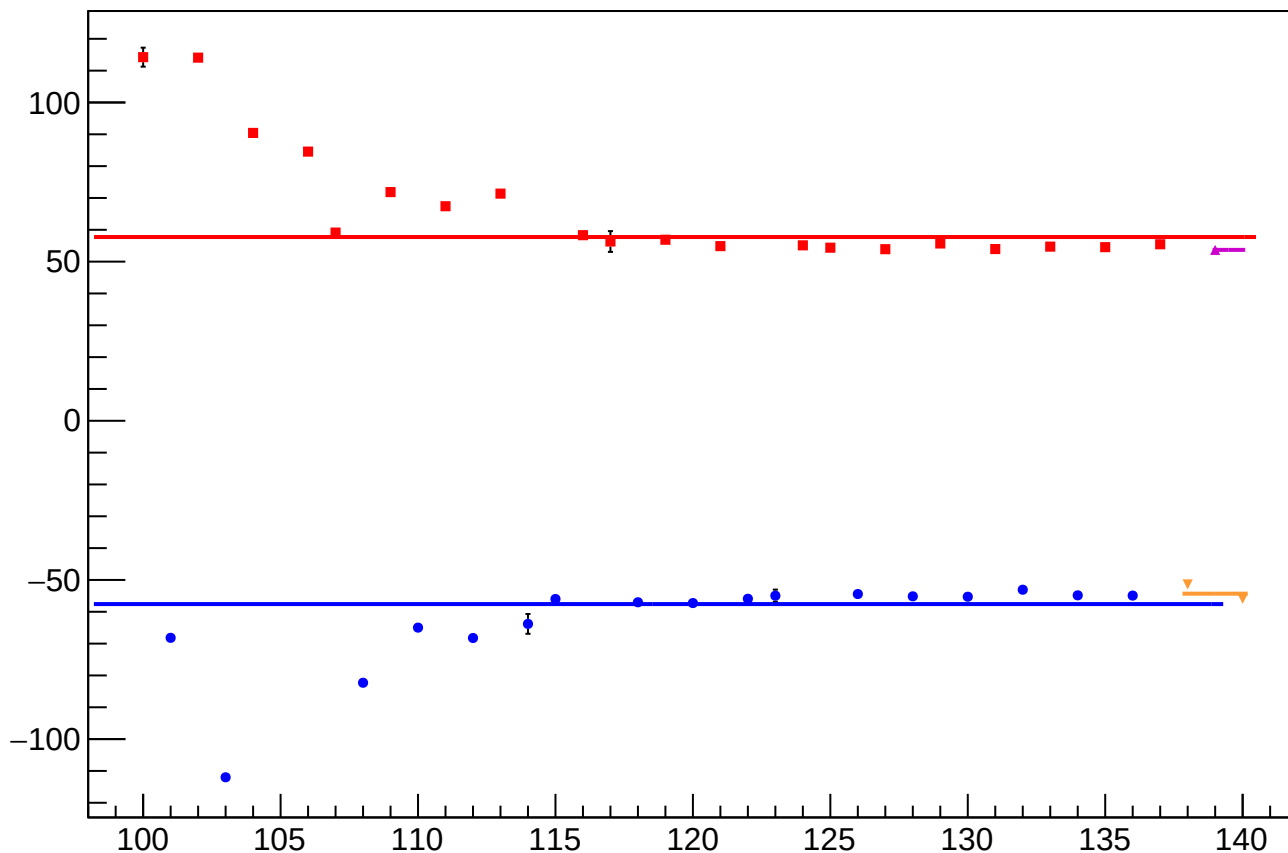
Left In: 4.696+/-0.261 χ^2/NDF : 0.0/0

-7.136+/-0.064 χ^2/NDF : 50.7/18

0.273+/-0.044 χ^2/NDF : 25890.0/39

6.909+/-0.060 χ^2/NDF : 76.2/20

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -54.312 ± 0.193 χ^2/NDF : 126.9/1

Right Out: 57.730 ± 0.143 χ^2/NDF : 4698.7/19

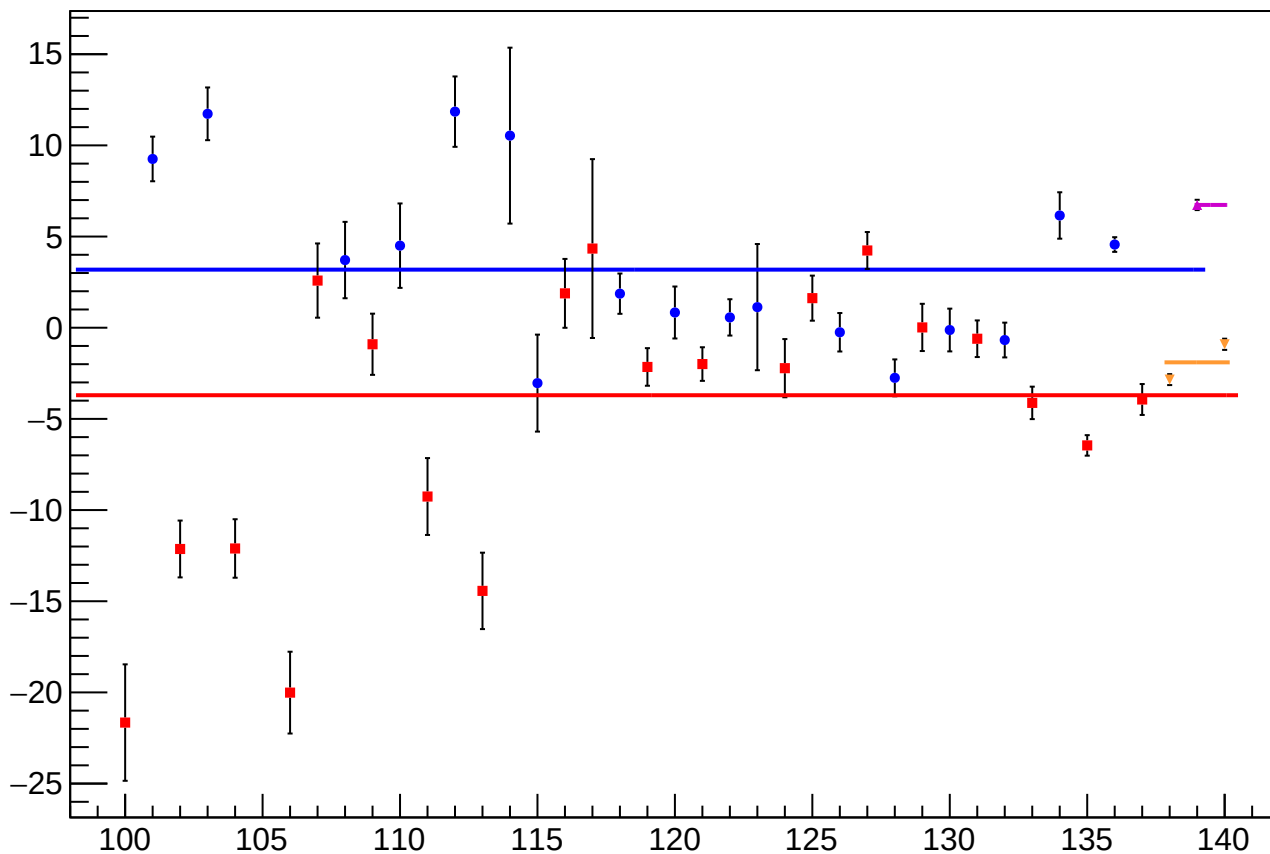
Left In: 53.693 ± 0.466 χ^2/NDF : 0.0/0

-56.422 ± 0.115 χ^2/NDF : 3767.6/18

-9.246 ± 0.088 χ^2/NDF : 415091.3/39

57.383 ± 0.137 χ^2/NDF : 4767.2/20

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -1.899 ± 0.215 $\chi^2/\text{NDF}: 20.3/1$

Right Out: -3.702 ± 0.267 $\chi^2/\text{NDF}: 326.8/19$

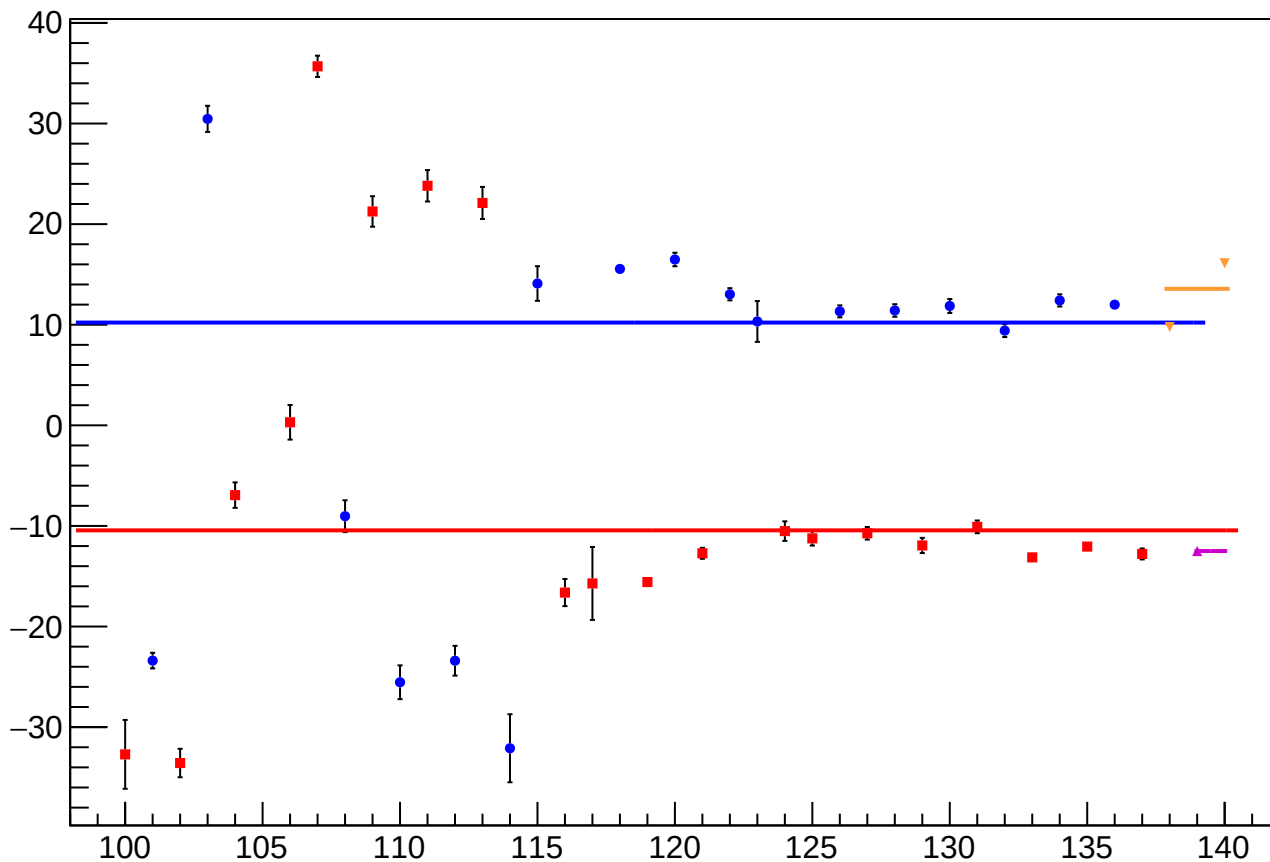
Left In: 6.734 ± 0.283 $\chi^2/\text{NDF}: 0.0/0$

0.171 ± 0.165 $\chi^2/\text{NDF}: 434.6/18$

0.613 ± 0.126 $\chi^2/\text{NDF}: 1498.9/39$

1.224 ± 0.194 $\chi^2/\text{NDF}: 1047.1/20$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 ± 0.158 χ^2/NDF : 3692.6/16

Left Out: 13.569 ± 0.224 χ^2/NDF : 192.8/1

Right Out: -10.440 ± 0.160 χ^2/NDF : 3829.1/19

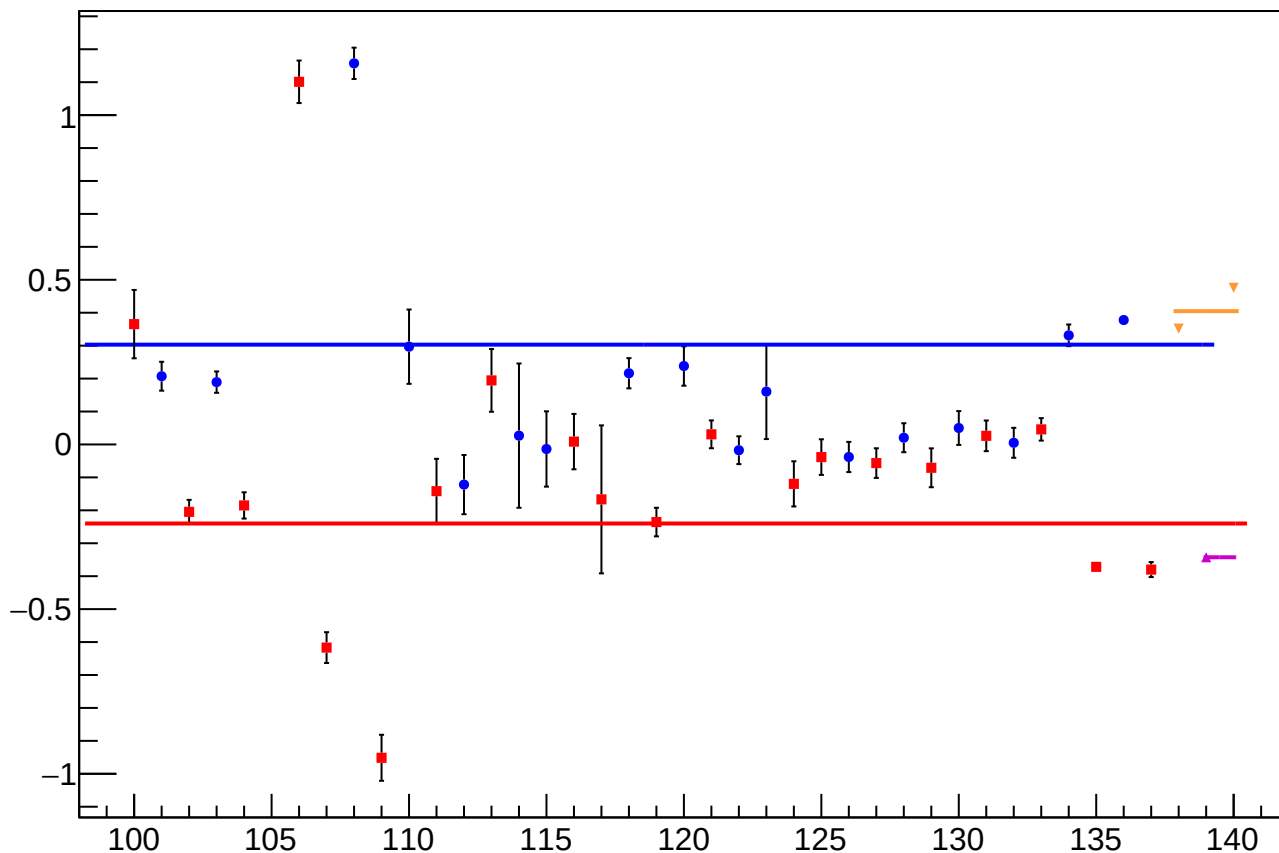
Left In: -12.496 ± 0.449 χ^2/NDF : 0.0/0

11.332 ± 0.129 χ^2/NDF : 4035.3/18

2.010 ± 0.098 χ^2/NDF : 20188.0/39

-10.672 ± 0.151 χ^2/NDF : 3847.7/20

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.405 $\pm$ 0.009 χ^2 /NDF: 49.7/1

Right Out: -0.240 $\pm$ 0.009 χ^2 /NDF: 984.5/19

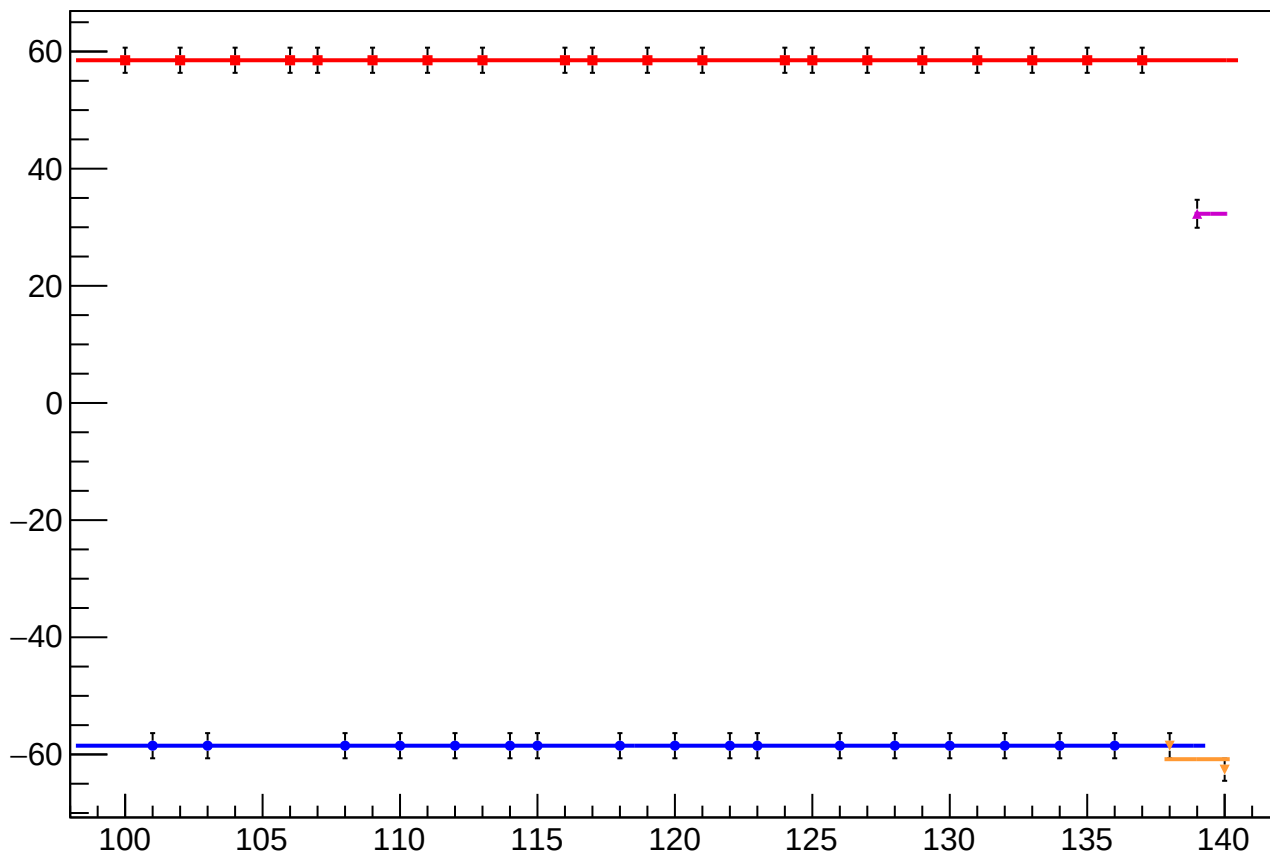
Left In: -0.343 $\pm$ 0.010 χ^2 /NDF: 0.0/0

0.351 $\pm$ 0.006 χ^2 /NDF: 768.2/18

0.058 $\pm$ 0.004 χ^2 /NDF: 7010.7/39

-0.284 $\pm$ 0.006 χ^2 /NDF: 1045.9/20

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -58.509 +/- 0.521 χ^2/NDF : 0.0/16

Left Out: -60.813 +/- 1.421 χ^2/NDF : 2.0/1

Right Out: 58.509 +/- 0.480 χ^2/NDF : 0.0/19

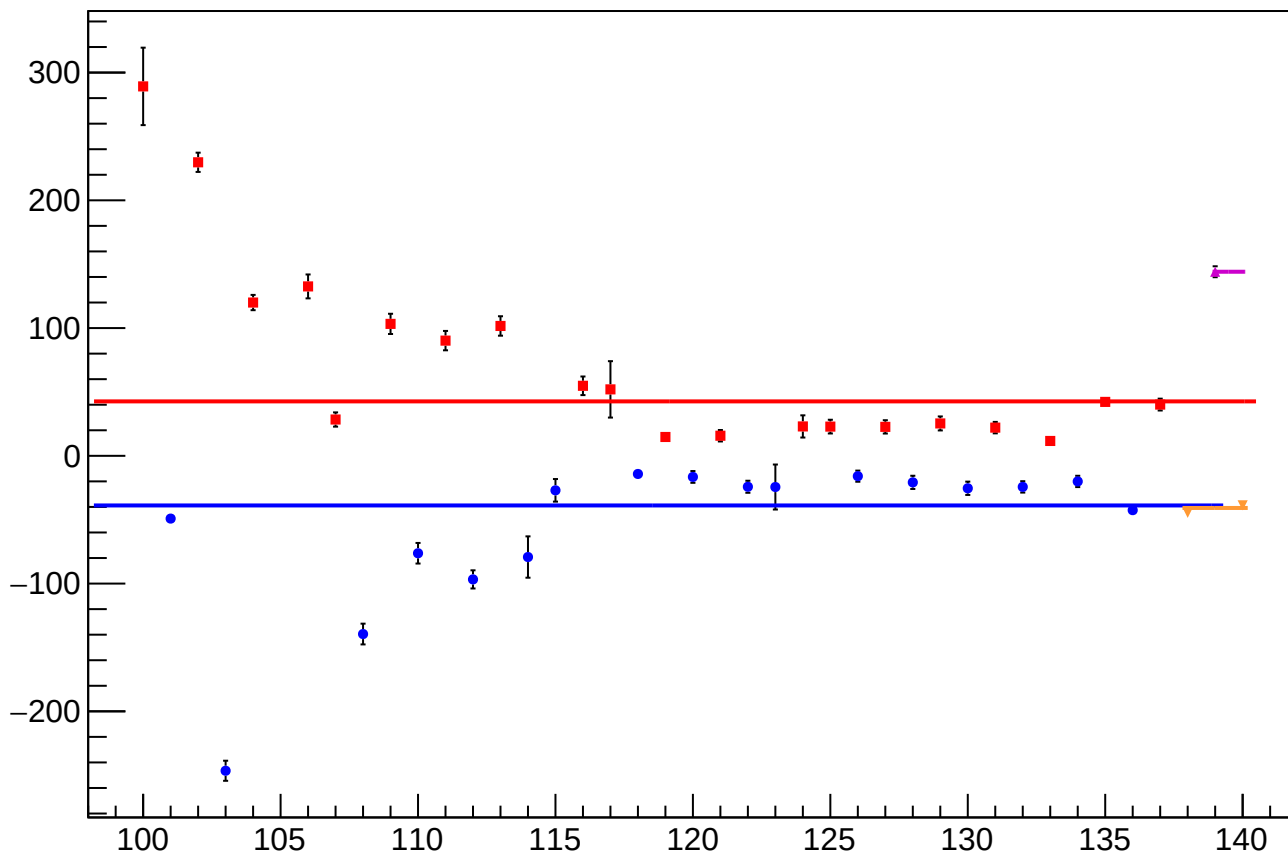
Left In: 32.300 +/- 2.387 χ^2/NDF : 0.0/0

-58.782 +/- 0.489 χ^2/NDF : 4.4/18

1.565 +/- 0.339 χ^2/NDF : 29439.1/39

57.489 +/- 0.471 χ^2/NDF : 115.8/20

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: -40.816 ± 1.247 $\chi^2/\text{NDF}: 5.1/1$

Right Out: 42.614 ± 1.208 $\chi^2/\text{NDF}: 1345.9/19$

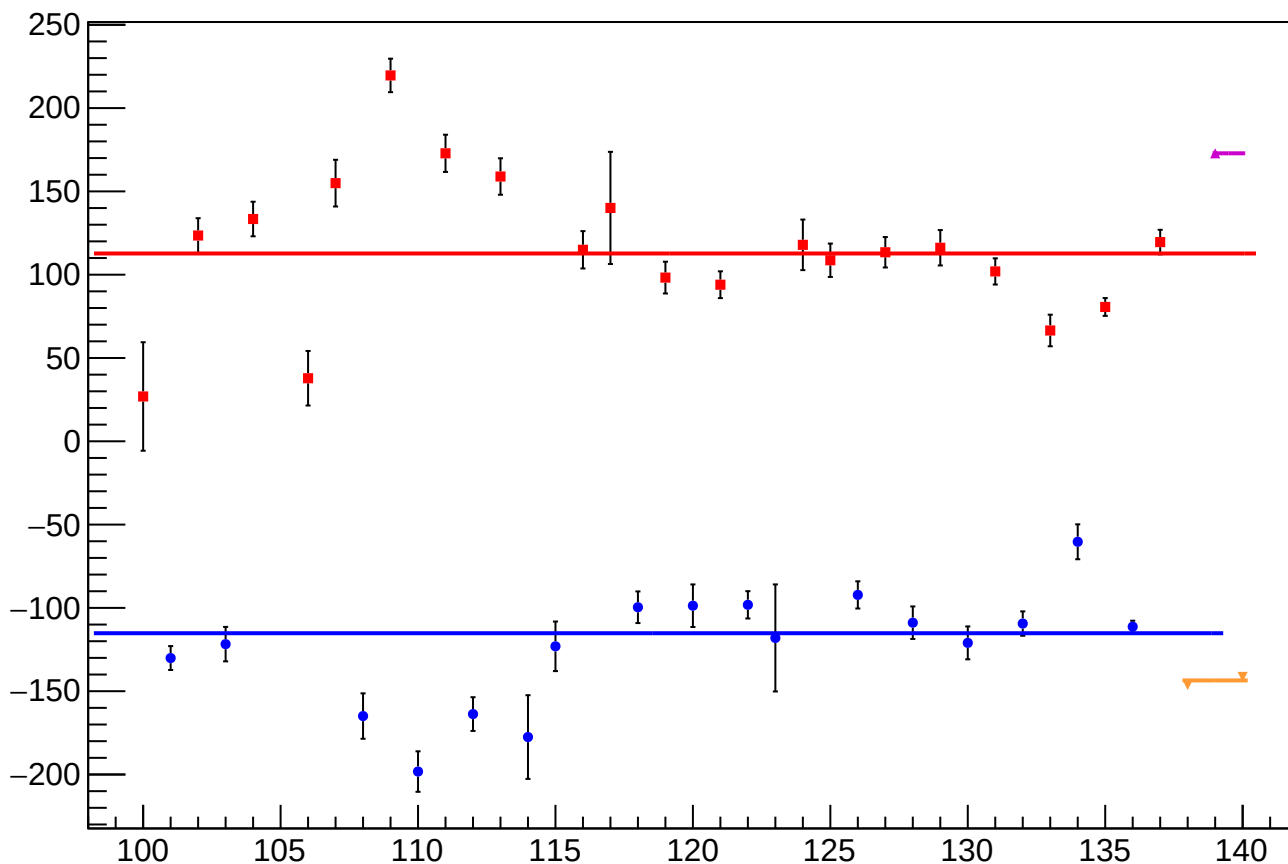
Left In: 144.093 ± 4.281 $\chi^2/\text{NDF}: 0.0/0$

-39.749 ± 0.845 $\chi^2/\text{NDF}: 1128.3/18$

-8.711 ± 0.683 $\chi^2/\text{NDF}: 6901.9/39$

50.101 ± 1.163 $\chi^2/\text{NDF}: 1866.2/20$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199+/-2.081 χ^2/NDF : 140.8/16

Left Out: -143.529+/-1.525 χ^2/NDF : 2.5/1

Right Out: 112.729+/-2.205 χ^2/NDF : 273.1/19

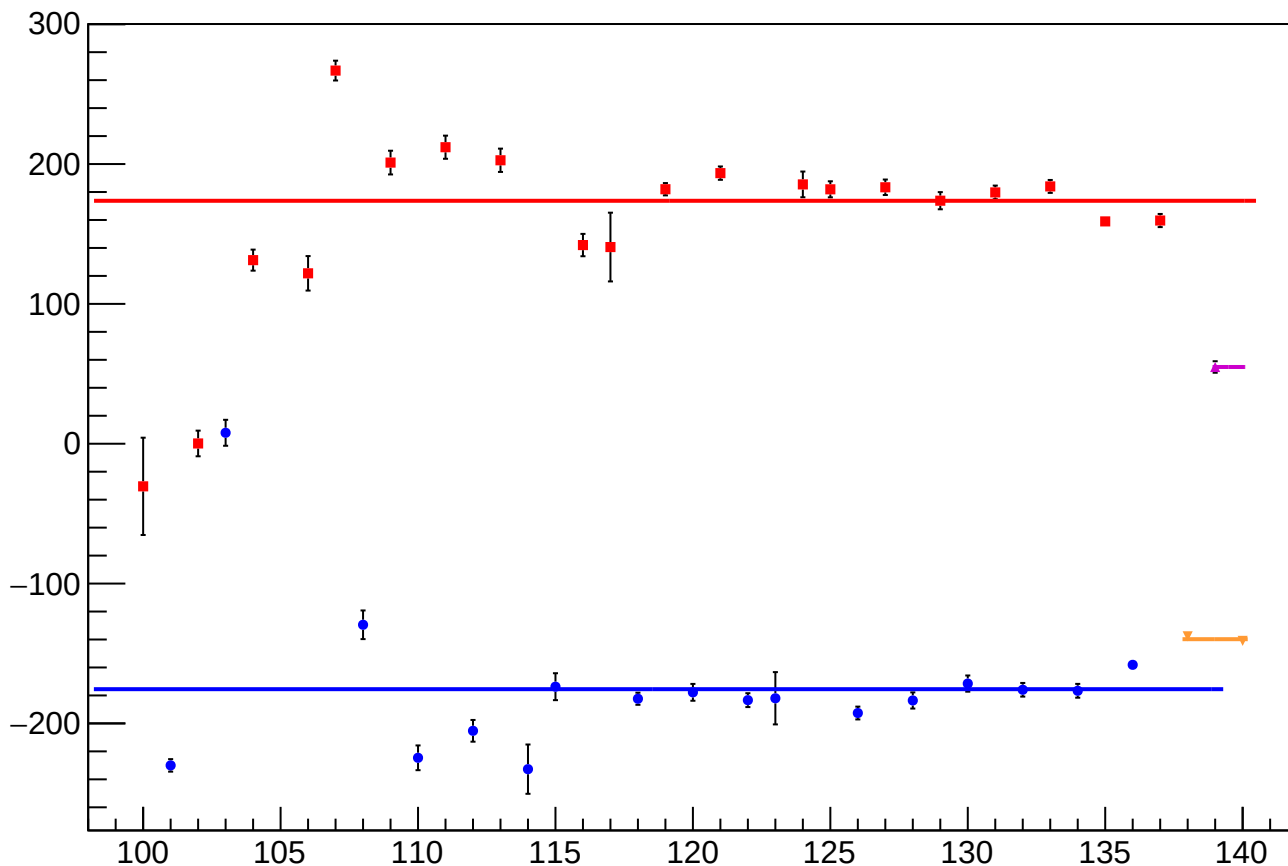
Left In: 172.856+/-2.587 χ^2/NDF : 0.0/0

-133.631+/-1.230 χ^2/NDF : 263.8/18

-38.646+/-0.992 χ^2/NDF : 17898.6/39

138.028+/-1.678 χ^2/NDF : 586.1/20

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -139.772 ± 1.481 χ^2/NDF : 1.1/1

Right Out: 173.729 ± 1.354 χ^2/NDF : 739.7/19

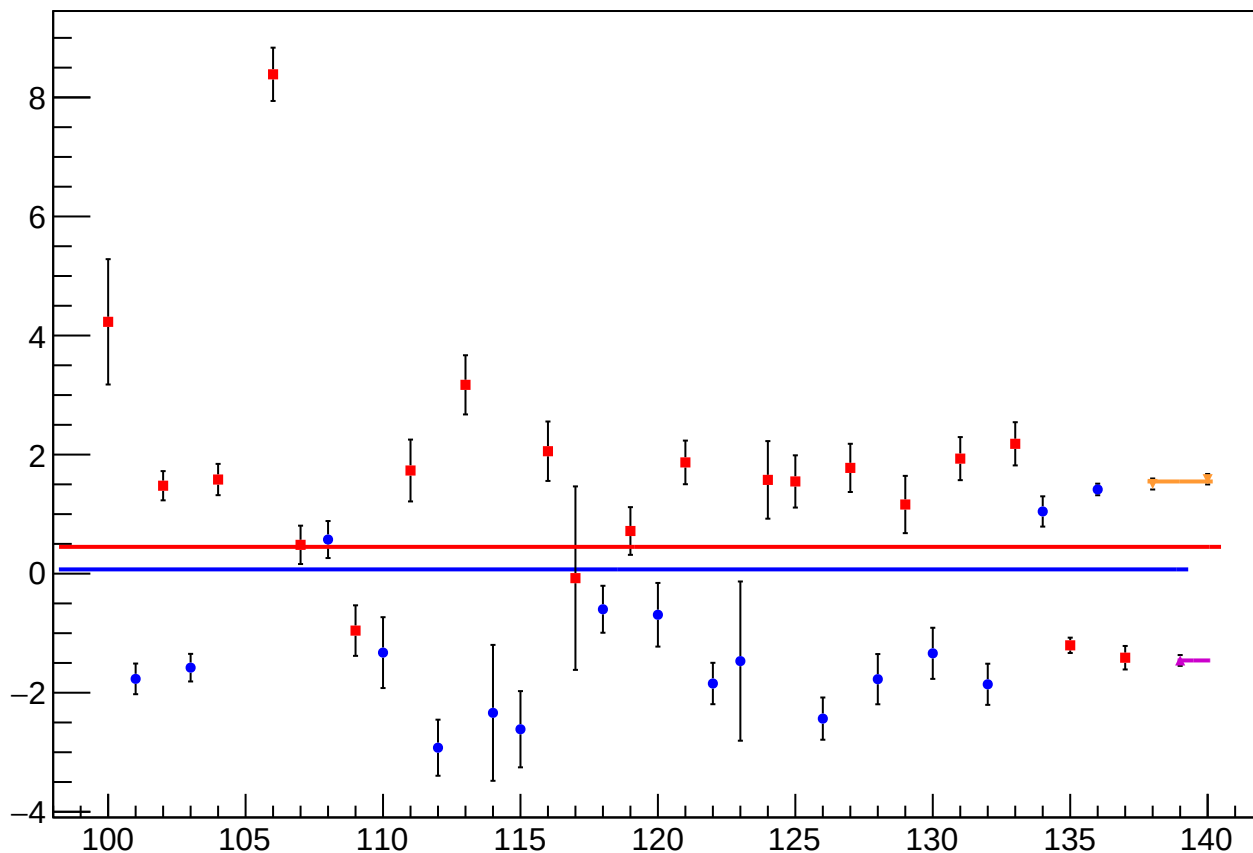
Left In: 54.878 ± 4.120 χ^2/NDF : 0.0/0

-160.280 ± 0.967 χ^2/NDF : 1027.5/18

-43.864 ± 0.773 χ^2/NDF : 42633.4/39

162.138 ± 1.287 χ^2/NDF : 1490.6/20

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.548 ± 0.064 χ^2/NDF : 0.4/1

Right Out: 0.450 ± 0.071 χ^2/NDF : 751.4/19

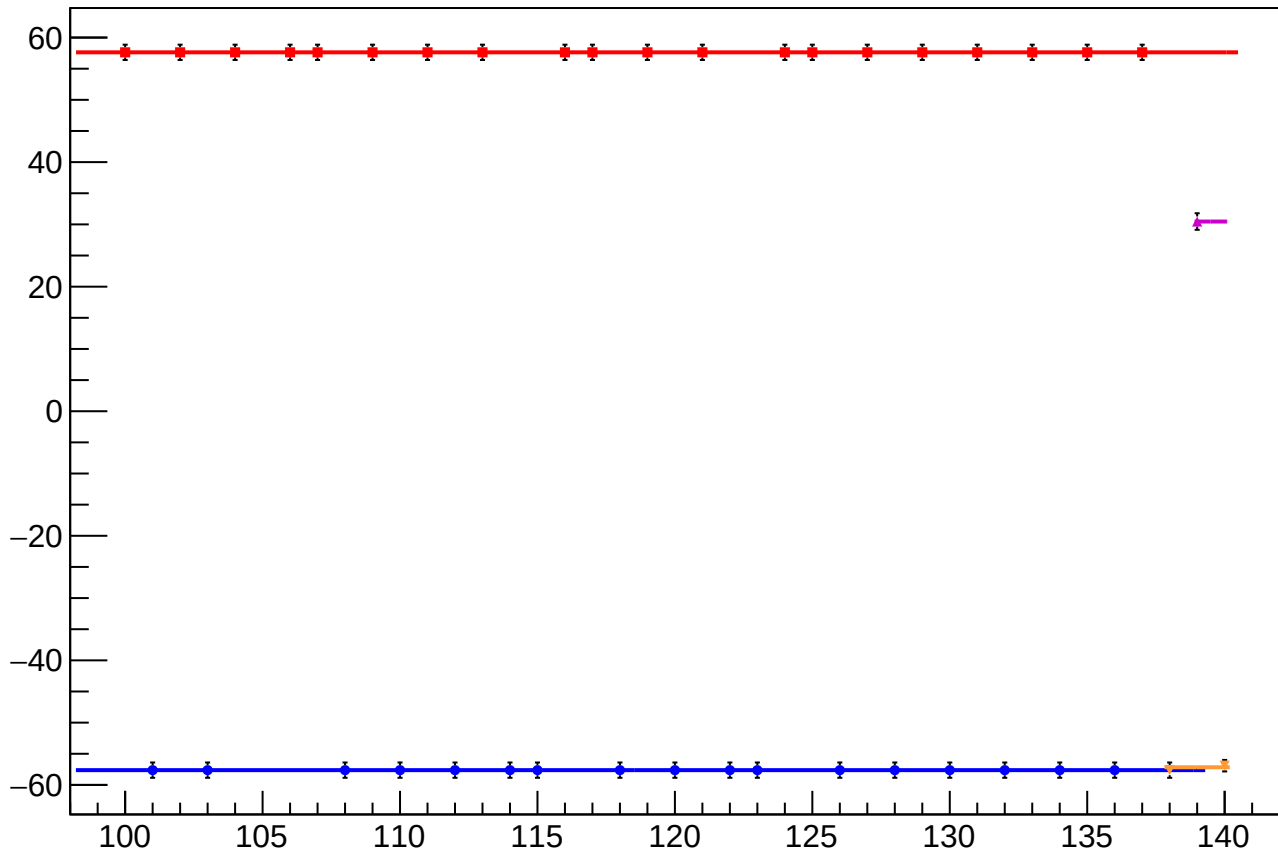
Left In: -1.458 ± 0.091 χ^2/NDF : 0.0/0

0.849 ± 0.046 χ^2/NDF : 780.2/18

0.394 ± 0.036 χ^2/NDF : 2044.4/39

-0.276 ± 0.056 χ^2/NDF : 1024.4/20

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -57.628 ± 0.298 χ^2/NDF : 0.0/16

Left Out: -57.169 ± 0.738 χ^2/NDF : 0.2/1

Right Out: 57.628 ± 0.275 χ^2/NDF : 0.0/19

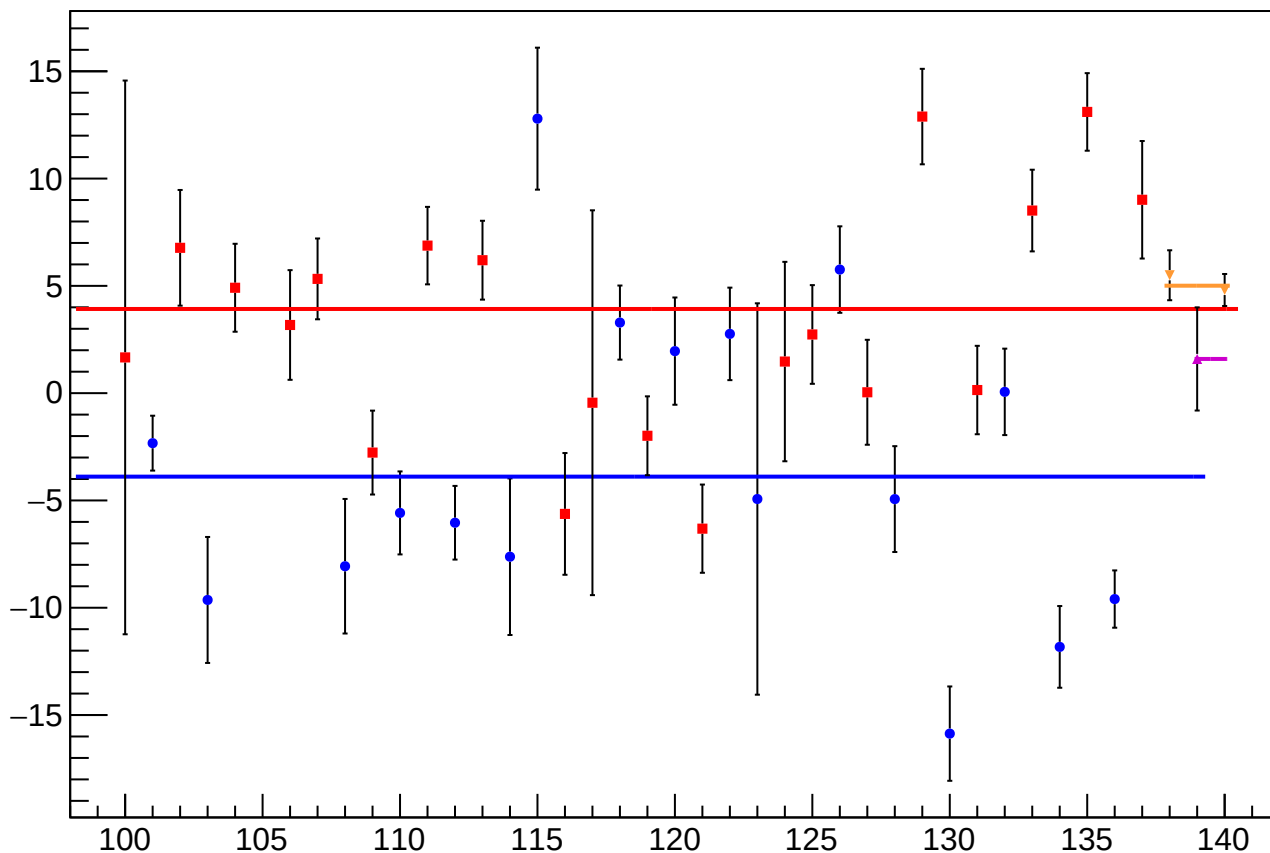
Left In: 30.458 ± 1.330 χ^2/NDF : 0.0/0

-57.564 ± 0.276 χ^2/NDF : 0.6/18

0.991 ± 0.193 χ^2/NDF : 87803.2/39

56.515 ± 0.269 χ^2/NDF : 400.1/20

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: 5.008 ± 0.628 $\chi^2/\text{NDF}: 0.2/1$

Right Out: 3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

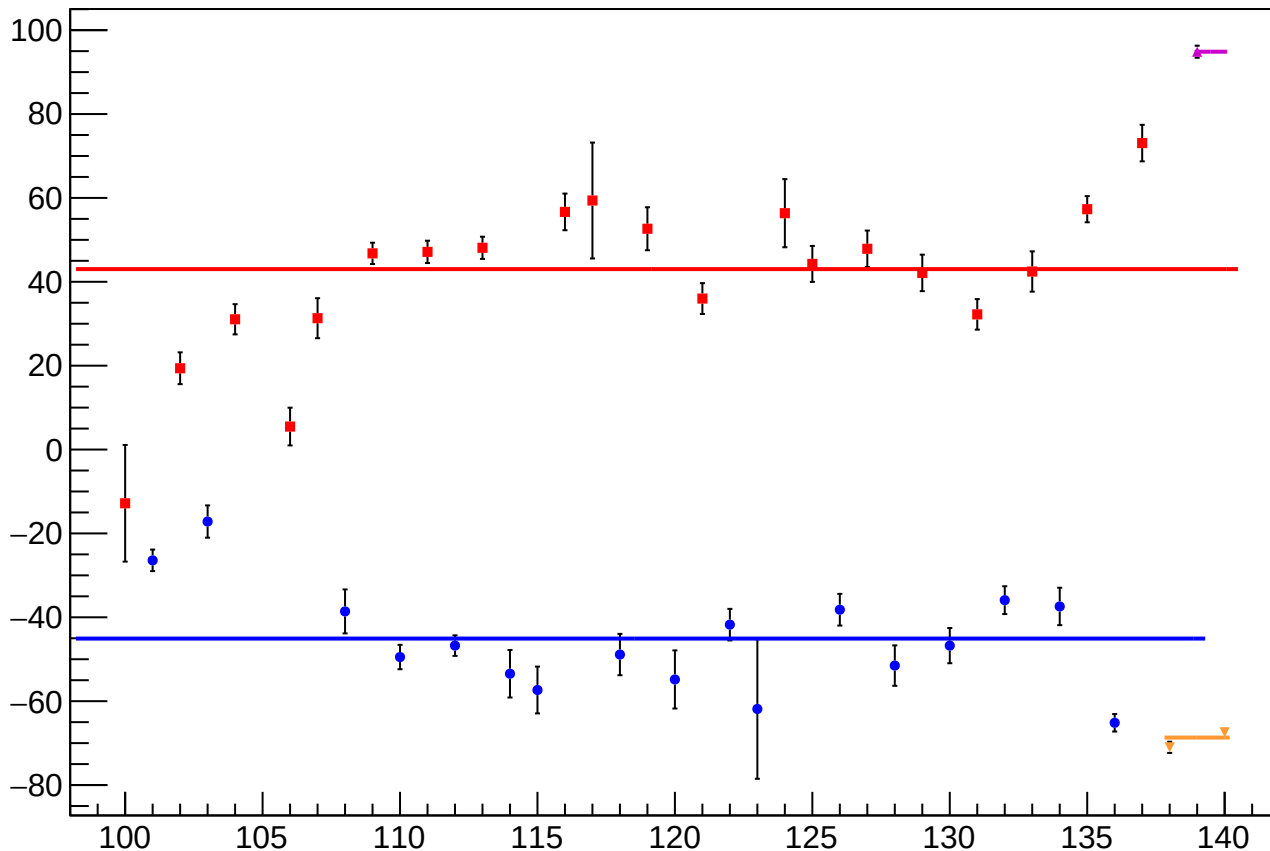
Left In: 1.594 ± 2.404 $\chi^2/\text{NDF}: 0.0/0$

-0.450 ± 0.390 $\chi^2/\text{NDF}: 284.0/18$

1.188 ± 0.307 $\chi^2/\text{NDF}: 453.2/39$

3.824 ± 0.495 $\chi^2/\text{NDF}: 123.3/20$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 $\pm$ 0.883 χ^2 /NDF: 229.7/16

Left Out: -68.678 $\pm$ 0.791 χ^2 /NDF: 4.7/1

Right Out: 43.025 $\pm$ 0.876 χ^2 /NDF: 249.7/19

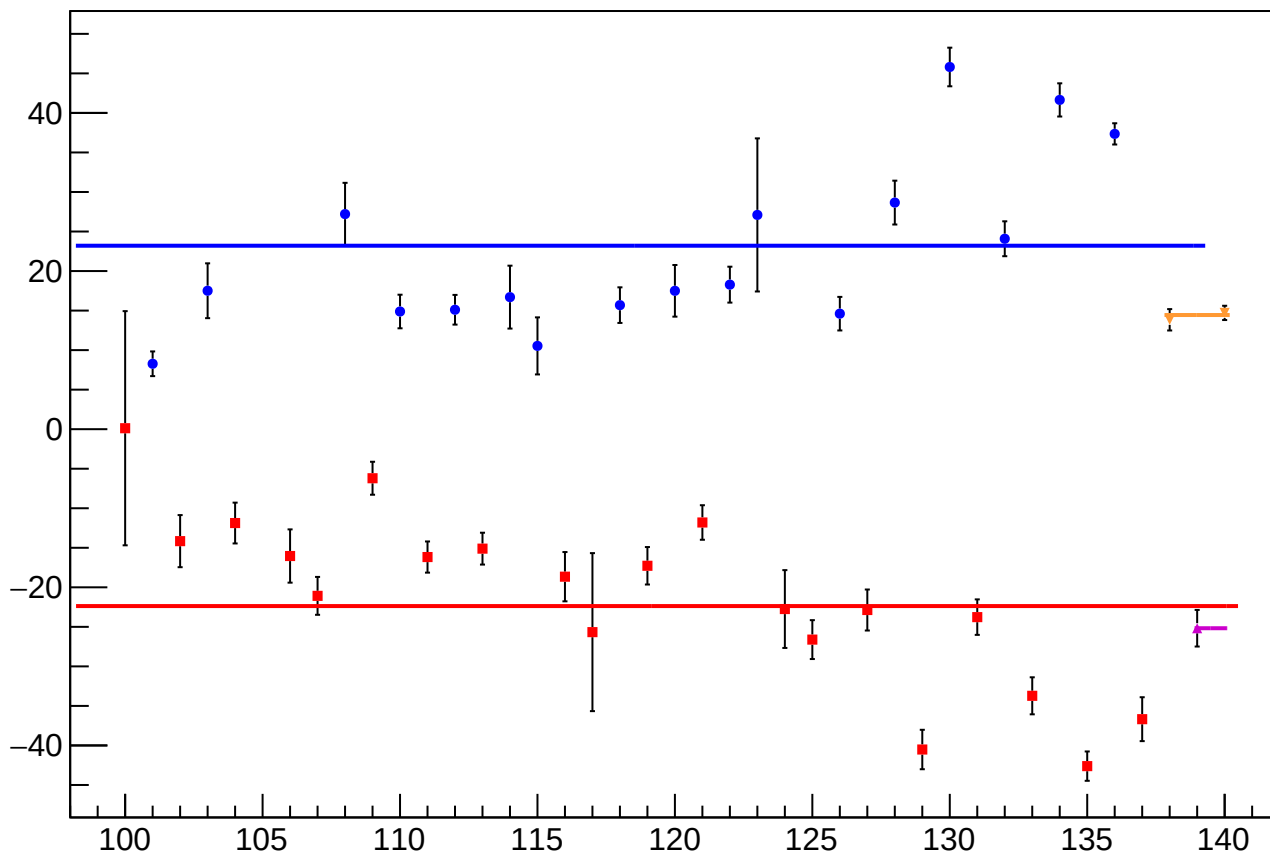
Left In: 94.863 $\pm$ 1.439 χ^2 /NDF: 0.0/0

-58.178 $\pm$ 0.589 χ^2 /NDF: 631.0/18

-14.095 $\pm$ 0.463 χ^2 /NDF: 16462.4/39

57.040 $\pm$ 0.748 χ^2 /NDF: 1196.3/20

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: 14.439 $\pm$ 0.751 χ^2 /NDF: 0.3/1

Right Out: -22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

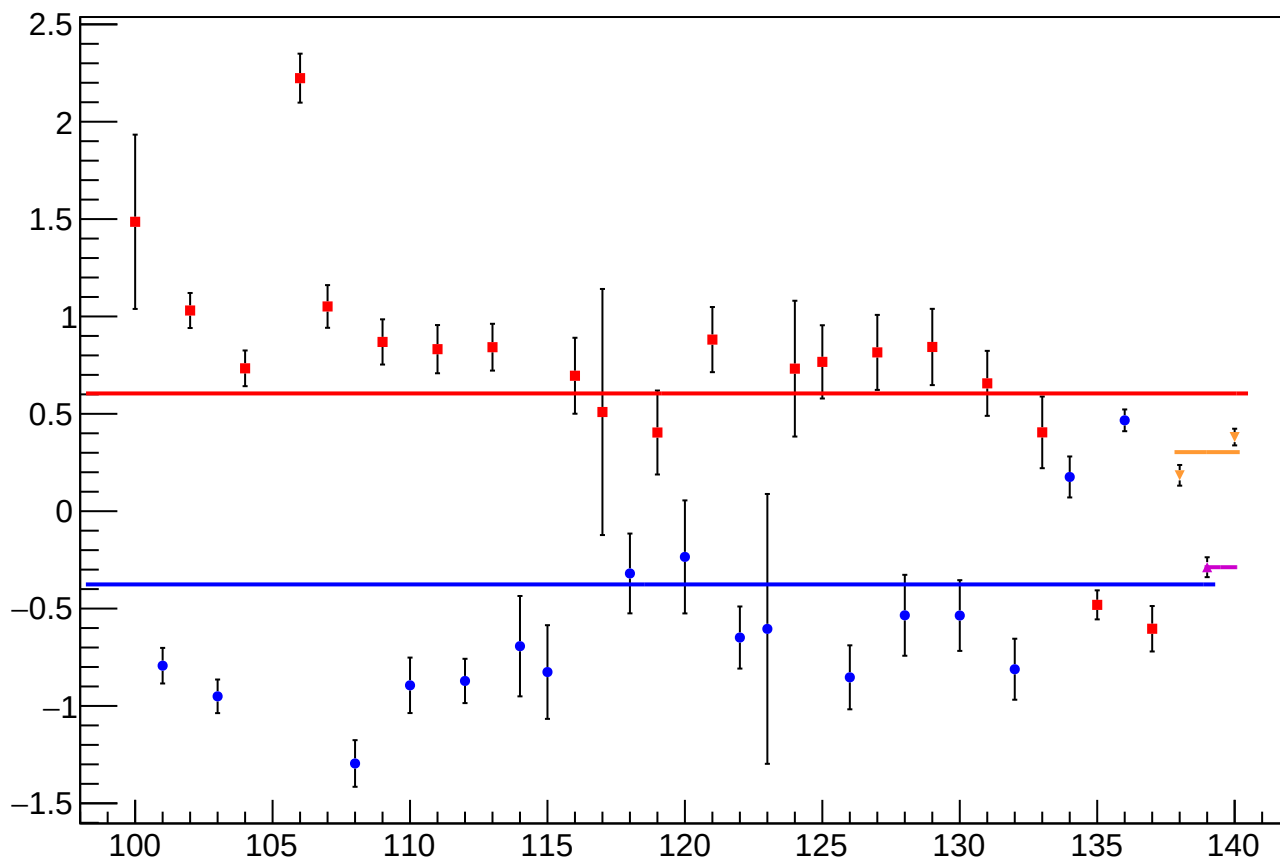
Left In: -25.175 $\pm$ 2.315 χ^2 /NDF: 0.0/0

20.080 $\pm$ 0.448 χ^2 /NDF: 545.3/18

3.256 $\pm$ 0.349 χ^2 /NDF: 4482.7/39

-22.533 $\pm$ 0.555 χ^2 /NDF: 368.4/20

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: 0.303 ± 0.033 $\chi^2/\text{NDF}: 8.3/1$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

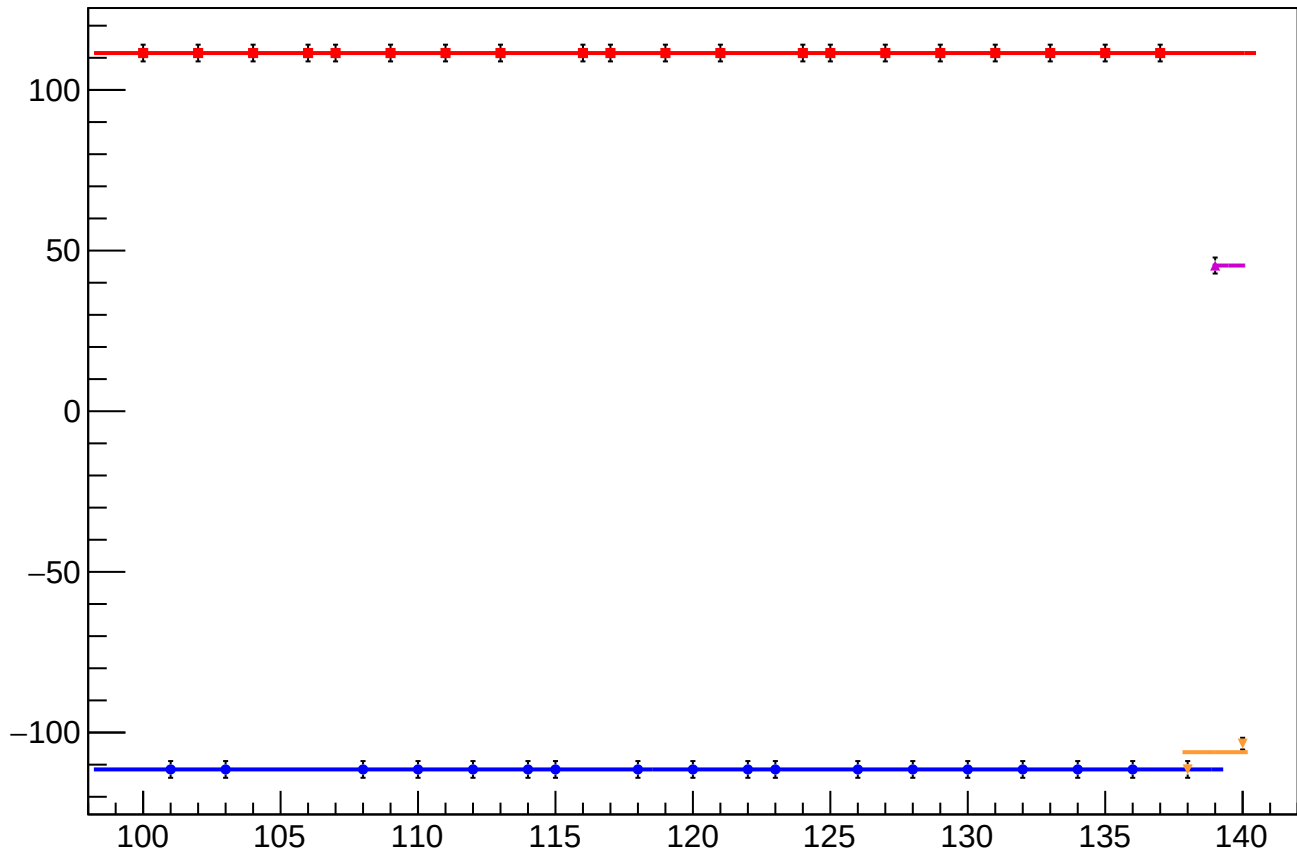
Left In: -0.288 ± 0.051 $\chi^2/\text{NDF}: 0.0/0$

-0.071 ± 0.022 $\chi^2/\text{NDF}: 674.3/18$

0.118 ± 0.017 $\chi^2/\text{NDF}: 1619.6/39$

0.374 ± 0.026 $\chi^2/\text{NDF}: 777.4/20$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -111.486 ± 0.632 χ^2/NDF : 0.0/16

Left Out: -106.121 ± 1.499 χ^2/NDF : 6.3/1

Right Out: 111.486 ± 0.582 χ^2/NDF : 0.0/19

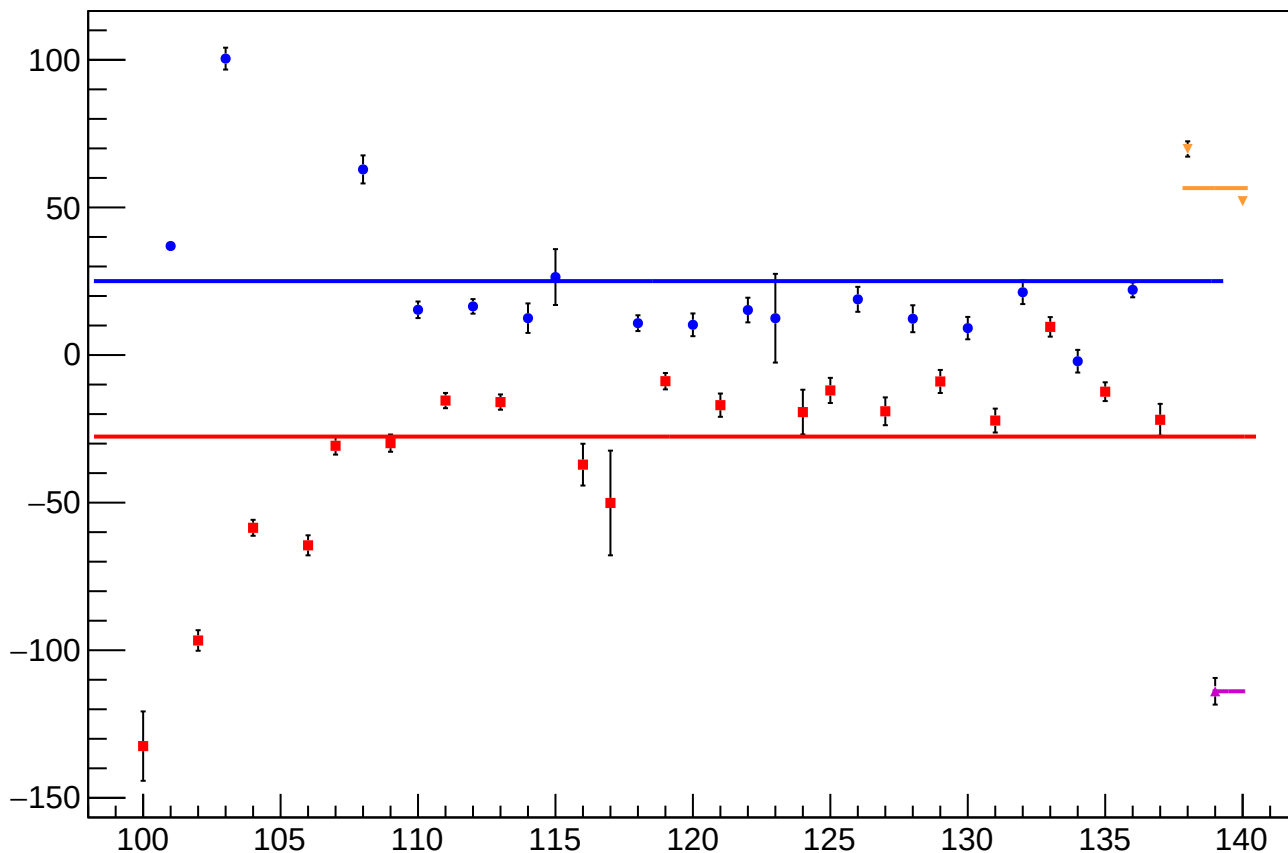
Left In: 45.347 ± 2.492 χ^2/NDF : 0.0/0

-110.677 ± 0.582 χ^2/NDF : 17.2/18

1.546 ± 0.406 χ^2/NDF : 73144.3/39

108.063 ± 0.567 χ^2/NDF : 667.7/20

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045+/-0.806 χ^2/NDF : 686.4/16

Left Out: 56.554+/-1.298 χ^2/NDF : 34.9/1

Right Out: -27.620+/-0.809 χ^2/NDF : 1014.4/19

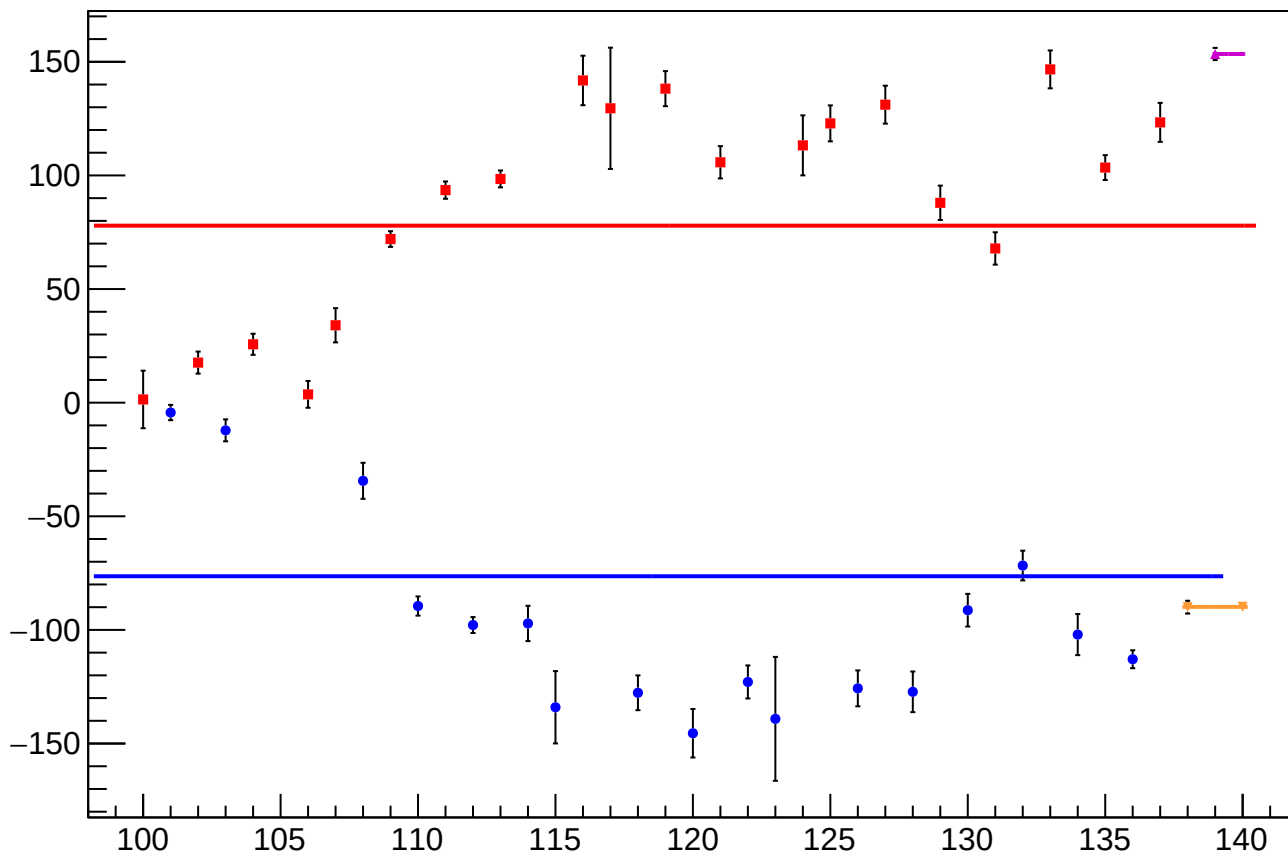
Left In: -113.900+/-4.517 χ^2/NDF : 0.0/0

33.818+/-0.685 χ^2/NDF : 1146.5/18

6.559+/-0.519 χ^2/NDF : 6240.9/39

-30.303+/-0.796 χ^2/NDF : 1367.9/20

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -89.868 ± 1.606 χ^2/NDF : 0.0/1

Right Out: 77.894 ± 1.351 χ^2/NDF : 876.4/19

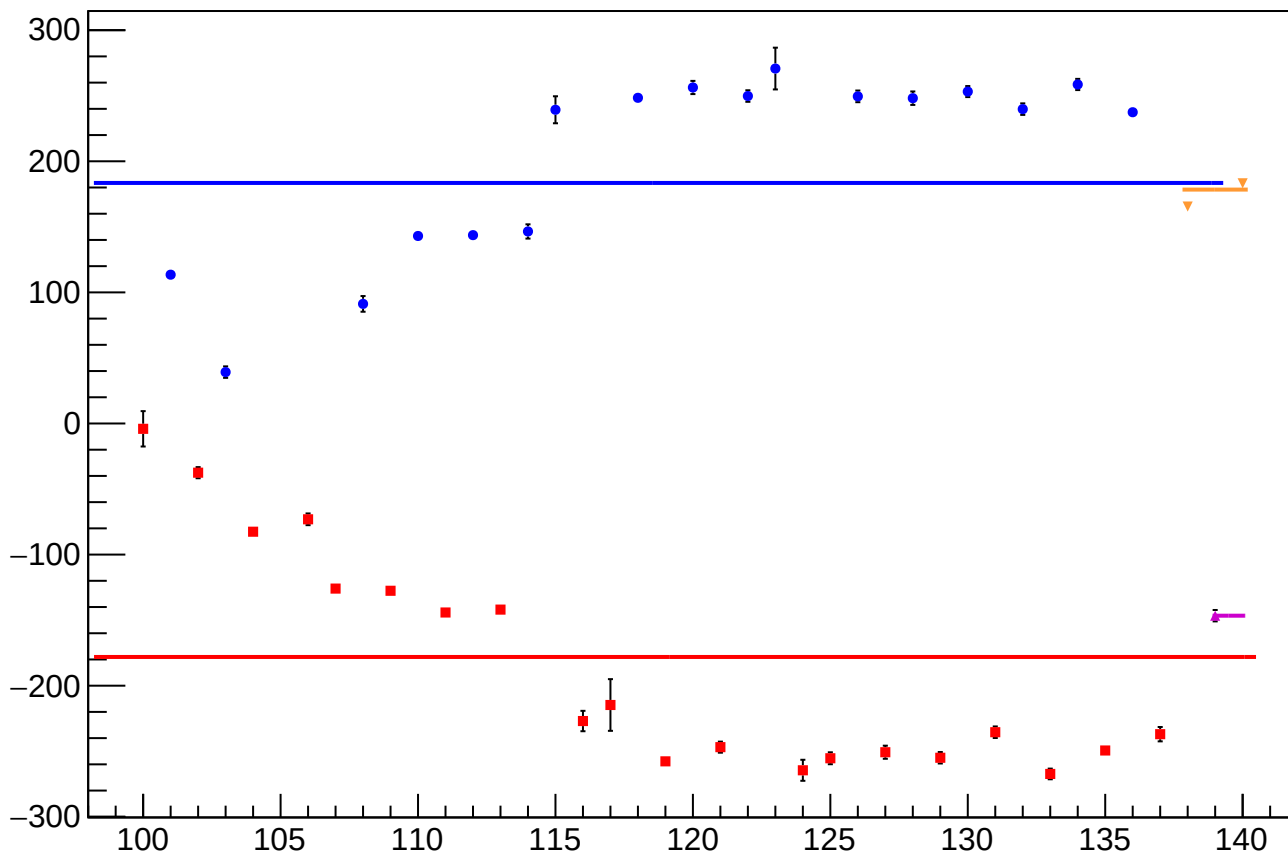
Left In: 153.443 ± 2.695 χ^2/NDF : 0.0/0

-82.288 ± 1.062 χ^2/NDF : 1071.6/18

-5.822 ± 0.798 χ^2/NDF : 14462.1/39

93.065 ± 1.208 χ^2/NDF : 1504.3/20

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 178.407 $\pm$ 1.546 χ^2 /NDF: 25.9/1

Right Out: -178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

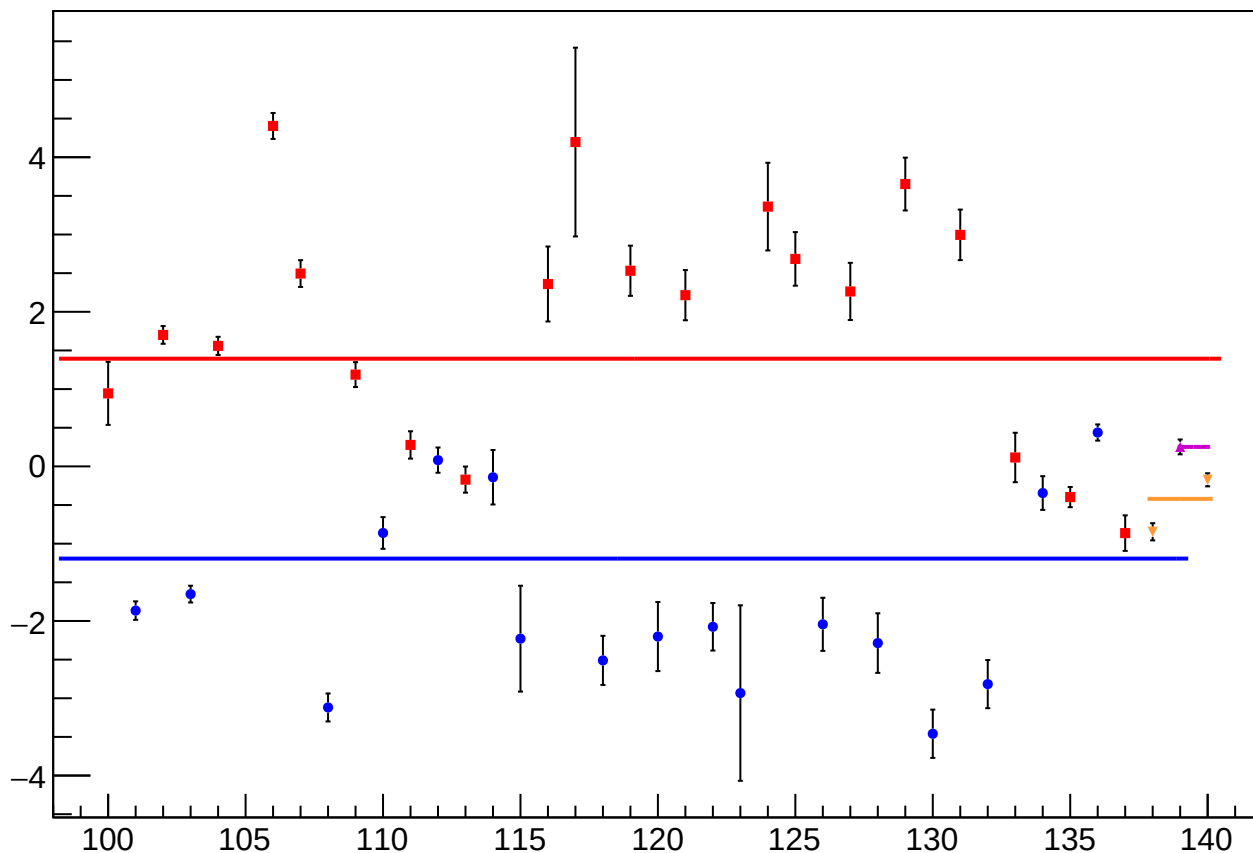
Left In: -146.612 $\pm$ 4.351 χ^2 /NDF: 0.0/0

182.155 $\pm$ 0.790 χ^2 /NDF: 5365.3/18

26.590 $\pm$ 0.594 χ^2 /NDF: 101291.2/39

-176.736 $\pm$ 0.903 χ^2 /NDF: 6399.3/20

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.420 ± 0.067 χ^2/NDF : 23.1/1

Right Out: 1.393 ± 0.046 χ^2/NDF : 925.8/19

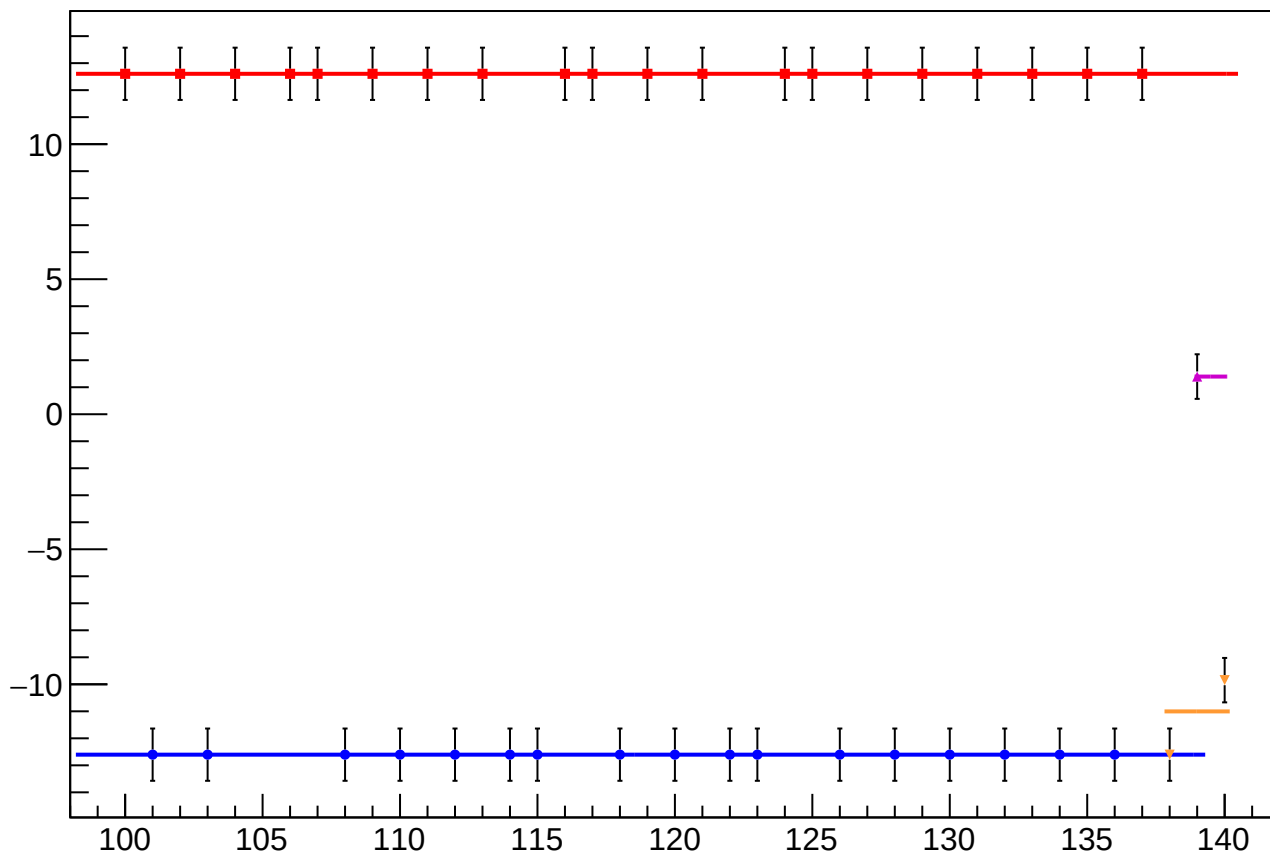
Left In: 0.252 ± 0.096 χ^2/NDF : 0.0/0

-0.932 ± 0.039 χ^2/NDF : 731.8/18

0.069 ± 0.028 χ^2/NDF : 3149.8/39

1.182 ± 0.041 χ^2/NDF : 1040.9/20

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected

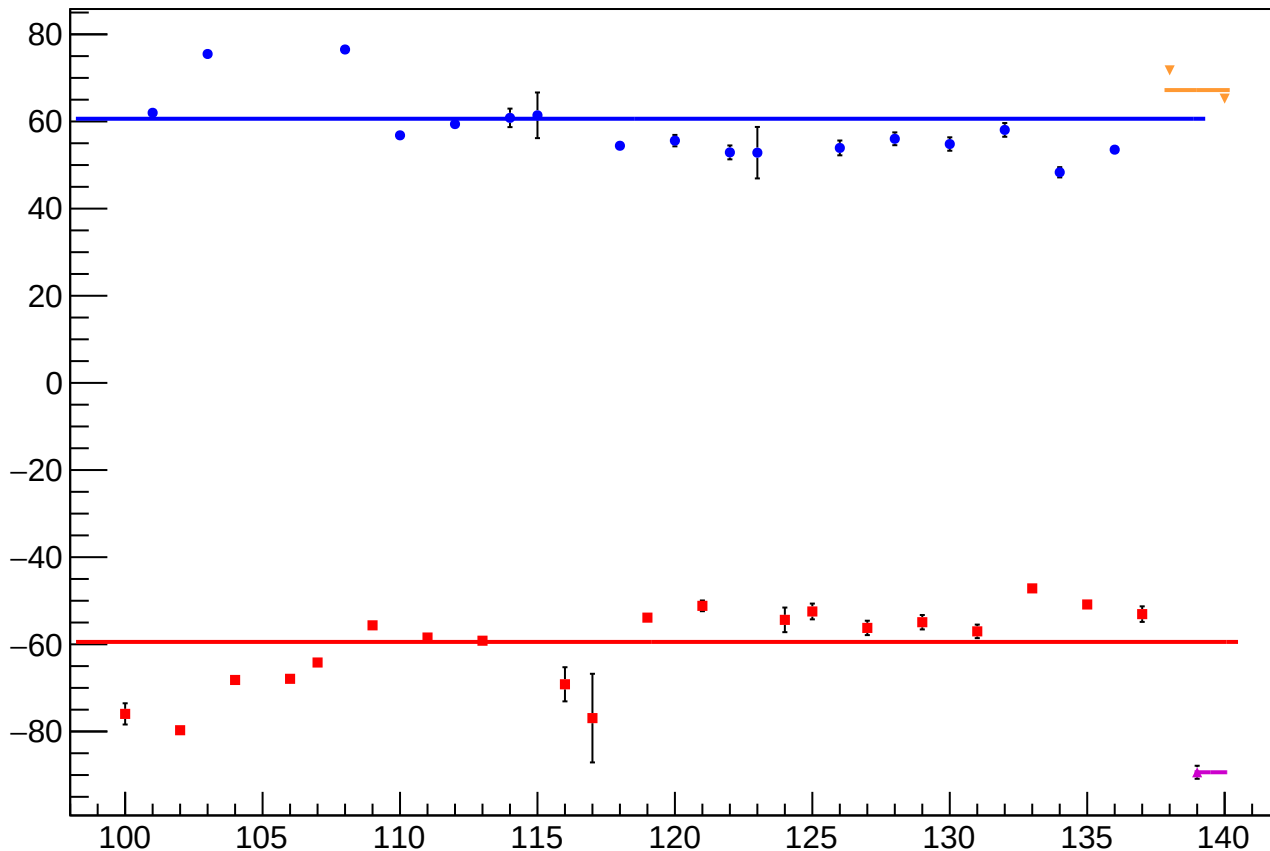


-12.408 ± 0.220 $\chi^2/\text{NDF}: 10.4/18$

0.331 ± 0.152 $\chi^2/\text{NDF}: 6588.5/39$

11.885 ± 0.209 $\chi^2/\text{NDF}: 172.5/20$

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625+/-0.263 χ^2/NDF : 924.6/16

Left Out: 67.205+/-0.573 χ^2/NDF : 27.0/1

Right Out: -59.448+/-0.248 χ^2/NDF : 1326.3/19

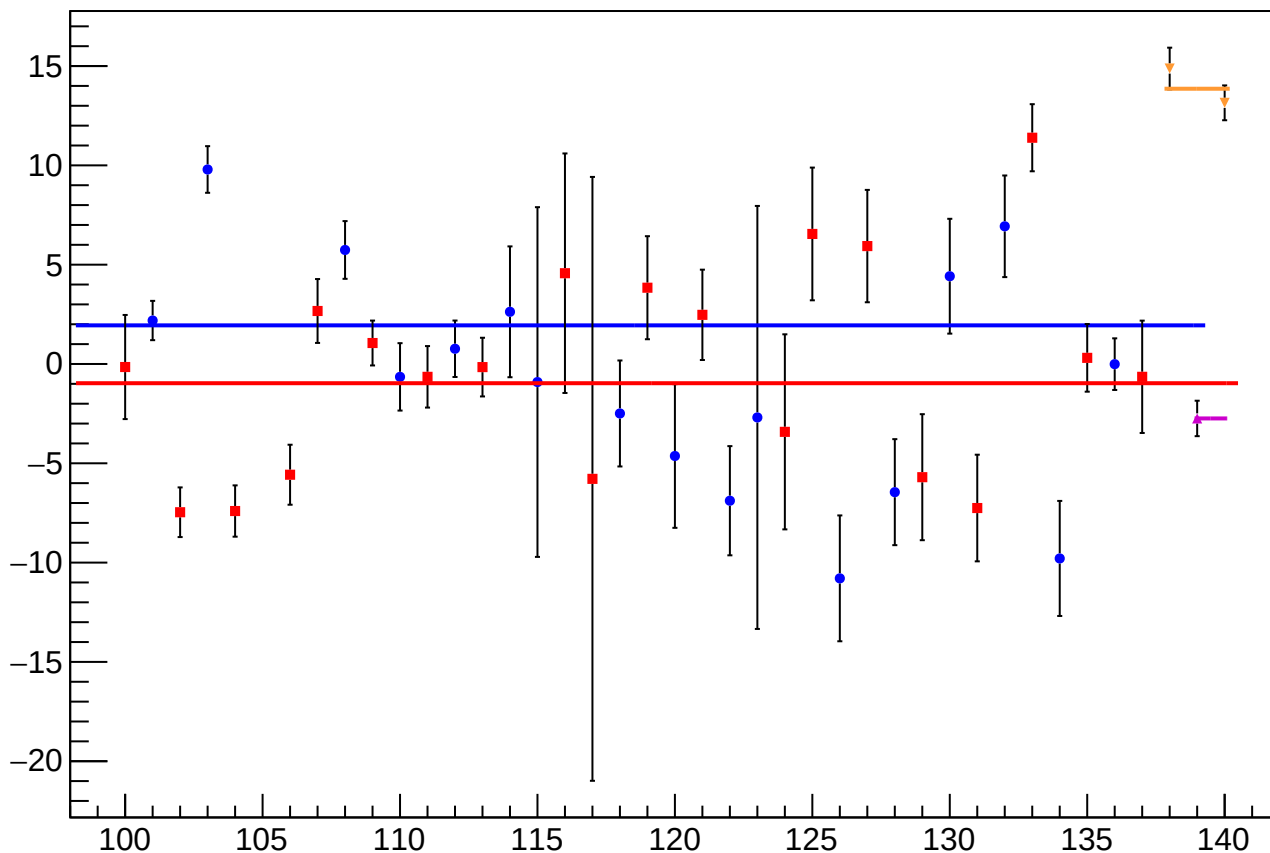
Left In: -89.366+/-1.498 χ^2/NDF : 0.0/0

61.770+/-0.239 χ^2/NDF : 1060.6/18

2.111+/-0.171 χ^2/NDF : 130155.5/39

-60.244+/-0.244 χ^2/NDF : 1714.5/20

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 13.858 ± 0.673 χ^2/NDF : 1.6/1

Right Out: -0.968 ± 0.424 χ^2/NDF : 149.6/19

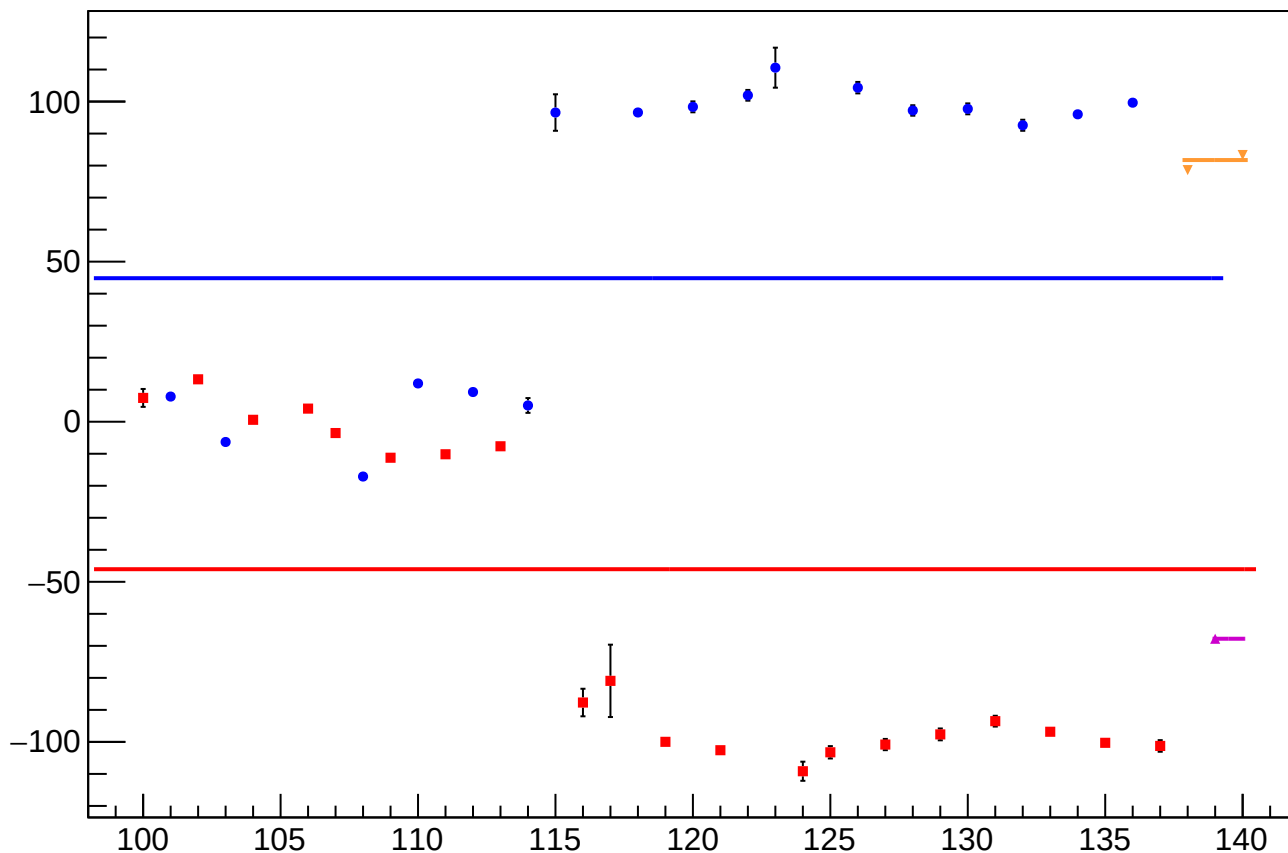
Left In: -2.742 ± 0.892 χ^2/NDF : 0.0/0

5.725 ± 0.379 χ^2/NDF : 336.1/18

2.252 ± 0.269 χ^2/NDF : 658.7/39

-1.295 ± 0.383 χ^2/NDF : 152.9/20

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829 ± 0.305 $\chi^2/\text{NDF}: 24763.1/16$

Left Out: 81.733 ± 0.674 $\chi^2/\text{NDF}: 10.9/1$

Right Out: -46.062 ± 0.289 $\chi^2/\text{NDF}: 28272.9/19$

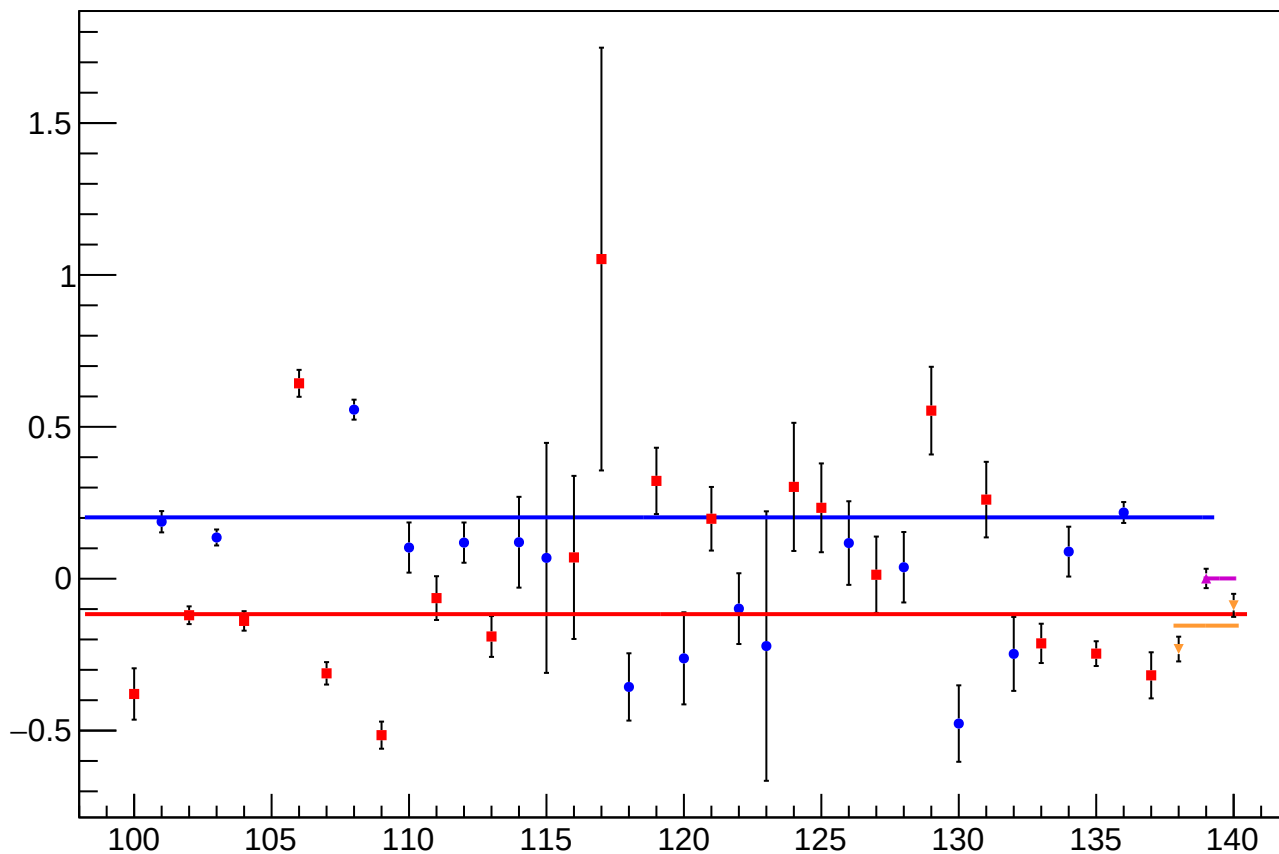
Left In: -67.780 ± 1.443 $\chi^2/\text{NDF}: 0.0/0$

51.090 ± 0.278 $\chi^2/\text{NDF}: 27263.0/18$

3.163 ± 0.198 $\chi^2/\text{NDF}: 116692.1/39$

-46.902 ± 0.284 $\chi^2/\text{NDF}: 28490.6/20$

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.154 ± 0.028 χ^2/NDF : 6.7/1

Right Out: -0.117 ± 0.013 χ^2/NDF : 502.5/19

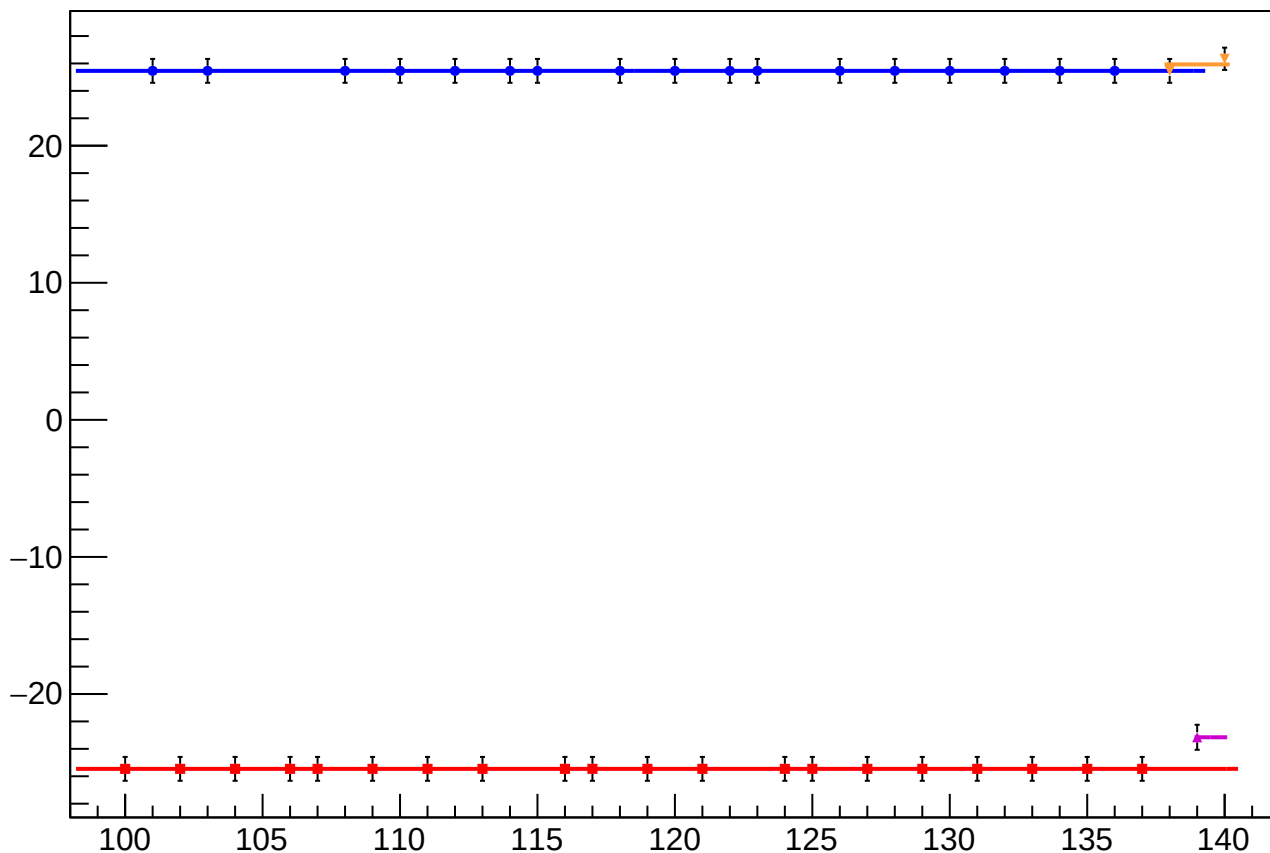
Left In: 0.001 ± 0.032 χ^2/NDF : 0.0/0

0.129 ± 0.013 χ^2/NDF : 354.0/18

0.010 ± 0.009 χ^2/NDF : 1041.4/39

-0.100 ± 0.012 χ^2/NDF : 514.1/20

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 25.460 $\pm$ 0.211 χ^2 /NDF: 0.0/16

Left Out: 25.931 $\pm$ 0.594 χ^2 /NDF: 0.5/1

Right Out: -25.460 $\pm$ 0.195 χ^2 /NDF: 0.0/19

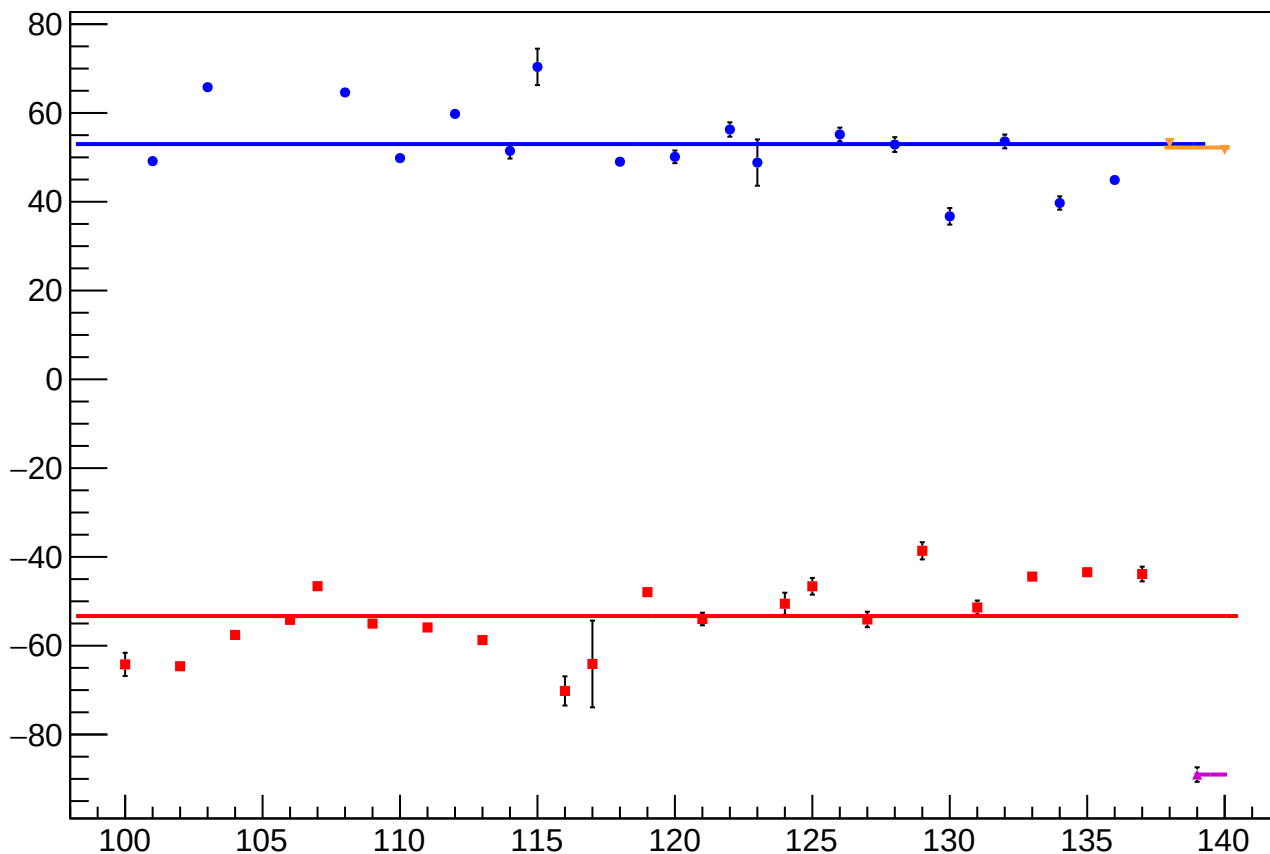
Left In: -23.156 $\pm$ 0.914 χ^2 /NDF: 0.0/0

25.513 $\pm$ 0.199 χ^2 /NDF: 1.1/18

-1.039 $\pm$ 0.138 χ^2 /NDF: 34088.3/39

-25.360 $\pm$ 0.191 χ^2 /NDF: 6.1/20

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 +/- 0.211 χ^2/NDF : 1198.0/16

Left Out: 52.213 +/- 0.538 χ^2/NDF : 1.9/1

Right Out: -53.320 +/- 0.227 χ^2/NDF : 876.8/19

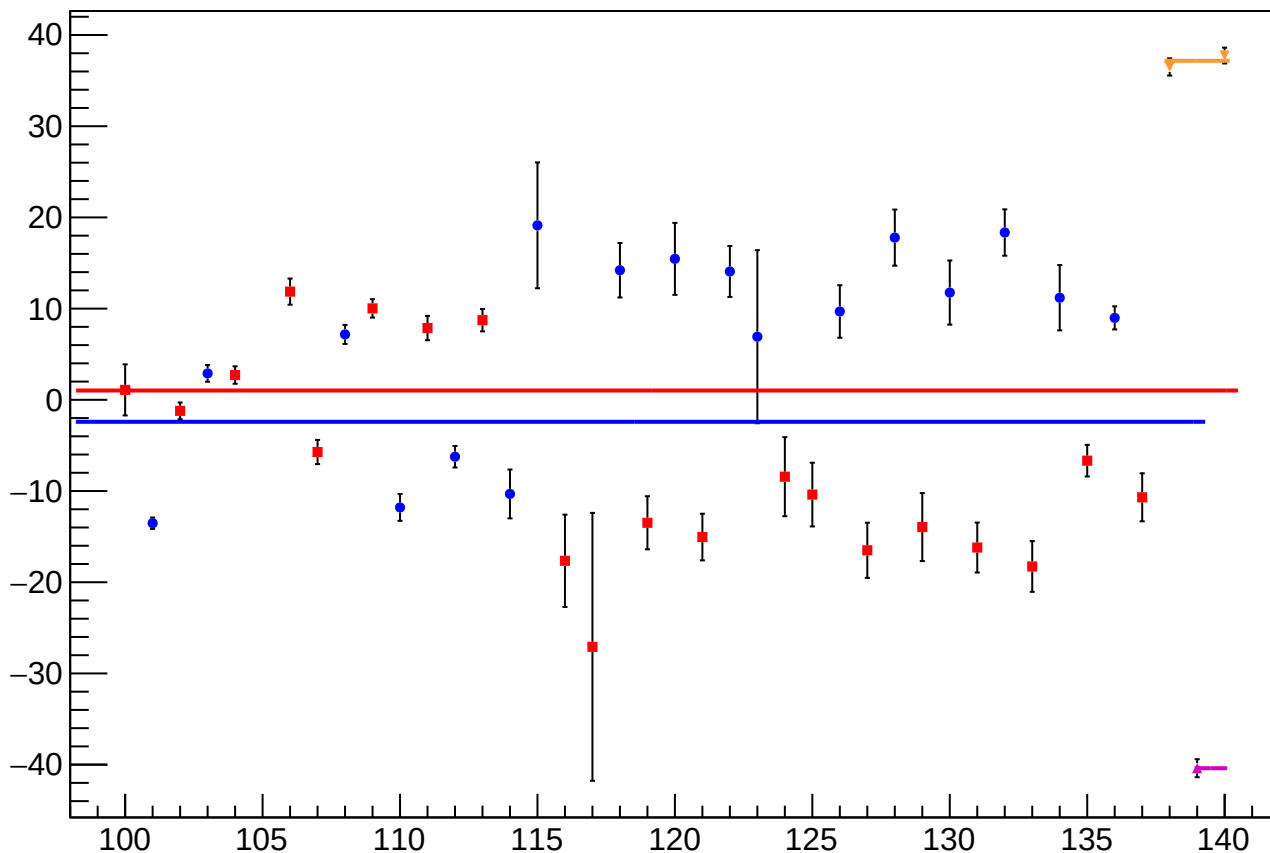
Left In: -89.021 +/- 1.635 χ^2/NDF : 0.0/0

52.886 +/- 0.196 χ^2/NDF : 1201.7/18

6.565 +/- 0.148 χ^2/NDF : 130952.0/39

-53.994 +/- 0.225 χ^2/NDF : 1344.8/20

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 37.178 ± 0.638 χ^2/NDF : 0.9/1

Right Out: 1.021 ± 0.377 χ^2/NDF : 511.2/19

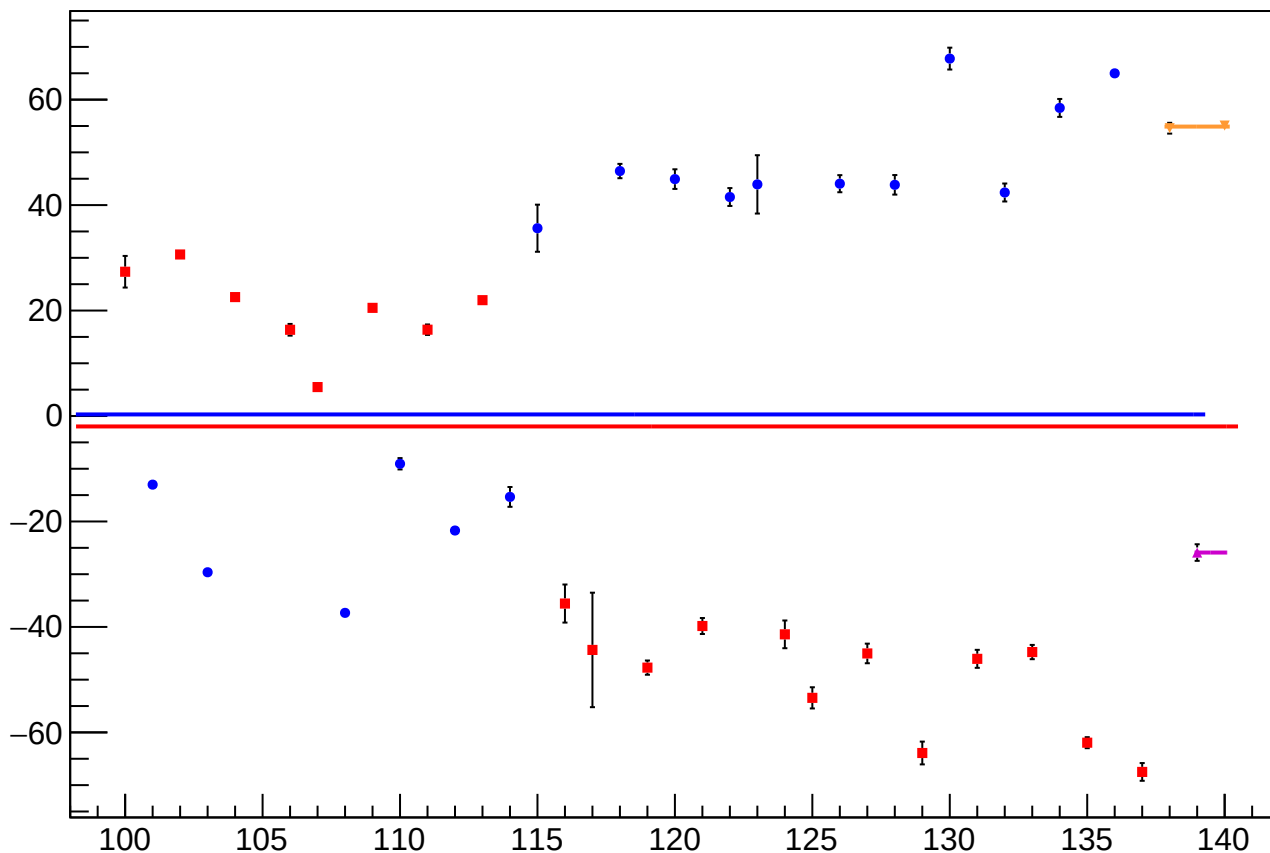
Left In: -40.391 ± 0.991 χ^2/NDF : 0.0/0

7.325 ± 0.316 χ^2/NDF : 3738.7/18

2.173 ± 0.235 χ^2/NDF : 6370.1/39

-4.215 ± 0.352 χ^2/NDF : 2037.5/20

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 $\chi^2/\text{NDF}: 18259.2/16$

Left Out: 54.889 ± 0.634 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -1.978 ± 0.267 $\chi^2/\text{NDF}: 15465.9/19$

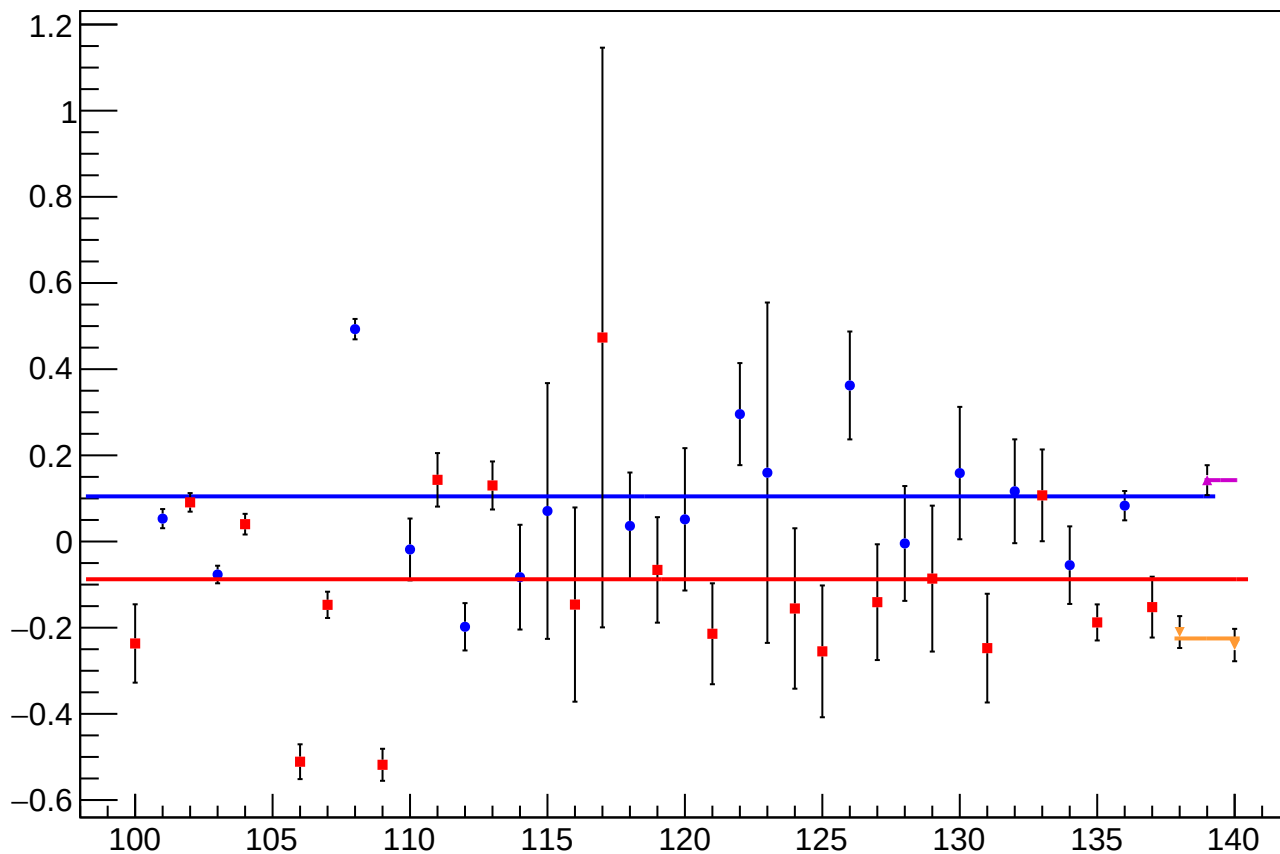
Left In: -25.892 ± 1.573 $\chi^2/\text{NDF}: 0.0/0$

7.509 ± 0.231 $\chi^2/\text{NDF}: 24687.4/18$

3.093 ± 0.173 $\chi^2/\text{NDF}: 41221.9/39$

-2.646 ± 0.263 $\chi^2/\text{NDF}: 15690.6/20$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.225 ± 0.026 $\chi^2/\text{NDF}: 0.3/1$

Right Out: -0.088 ± 0.011 $\chi^2/\text{NDF}: 391.6/19$

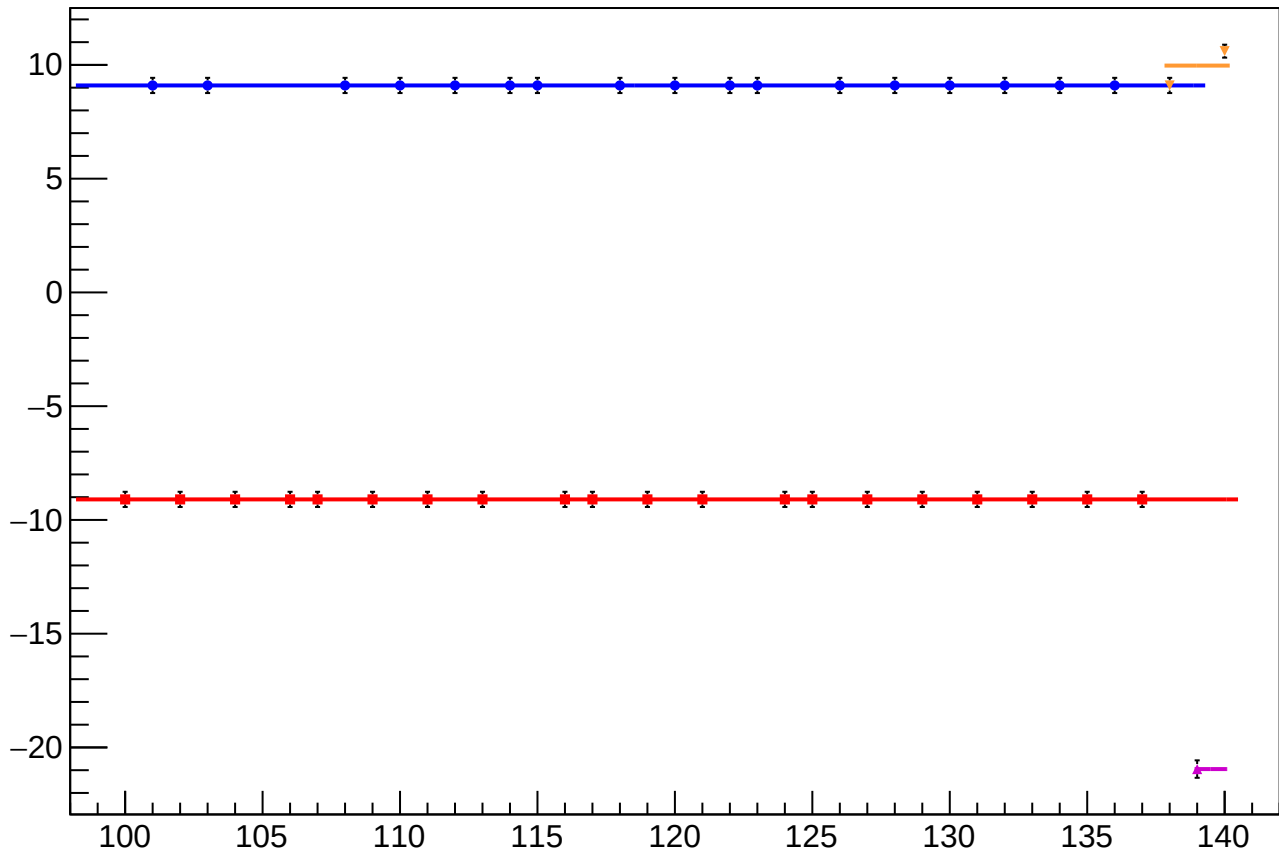
Left In: 0.142 ± 0.035 $\chi^2/\text{NDF}: 0.0/0$

0.056 ± 0.010 $\chi^2/\text{NDF}: 534.2/18$

-0.004 ± 0.007 $\chi^2/\text{NDF}: 1035.4/39$

-0.067 ± 0.010 $\chi^2/\text{NDF}: 431.5/20$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 9.097 ± 0.081 χ^2/NDF : 0.0/16

Left Out: 9.970 ± 0.217 χ^2/NDF : 11.7/1

Right Out: -9.097 ± 0.075 χ^2/NDF : 0.0/19

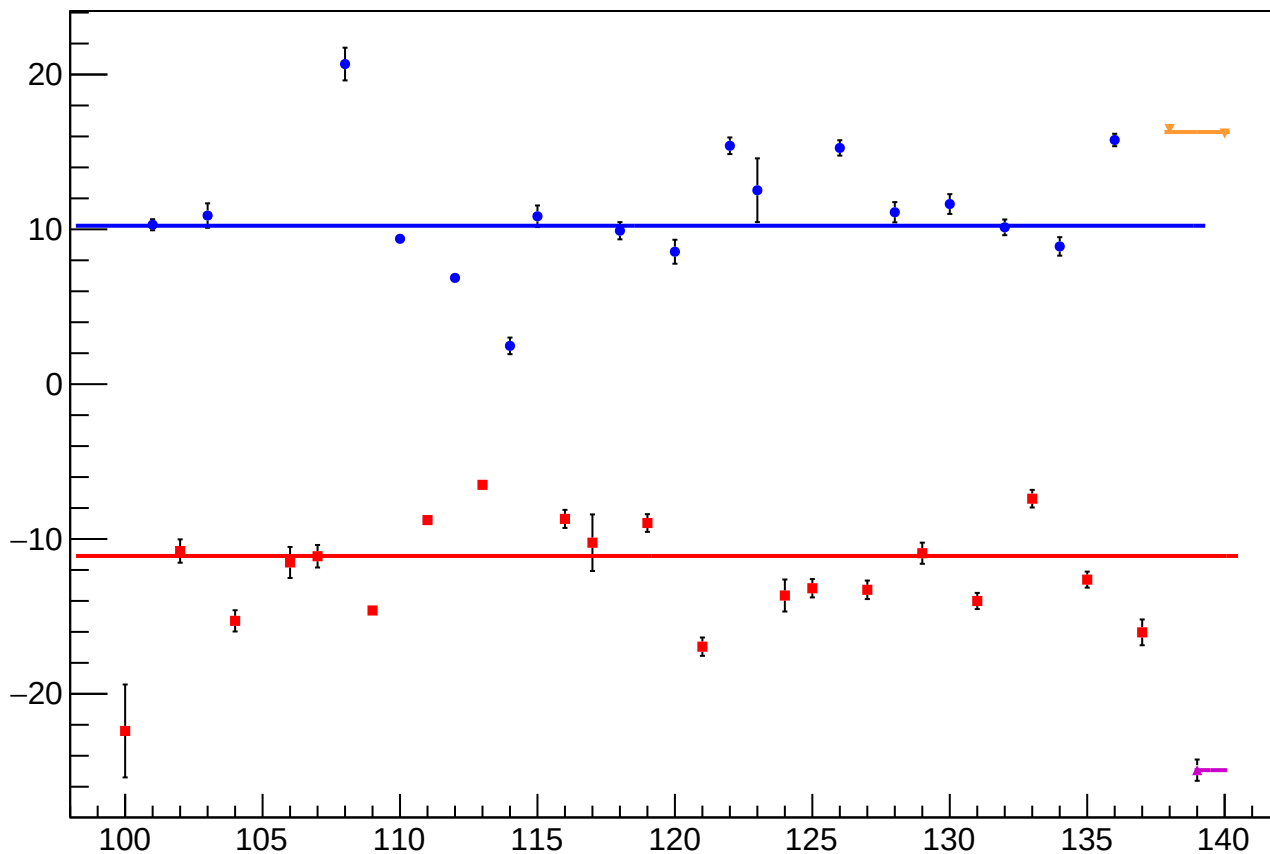
Left In: -20.951 ± 0.384 χ^2/NDF : 0.0/0

9.204 ± 0.076 χ^2/NDF : 25.9/18

-0.487 ± 0.053 χ^2/NDF : 32354.9/39

-9.532 ± 0.073 χ^2/NDF : 919.8/20

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232+/-0.119 χ^2/NDF : 876.7/16

Left Out: 16.287+/-0.188 χ^2/NDF : 0.5/1

Right Out: -11.096+/-0.116 χ^2/NDF : 818.0/19

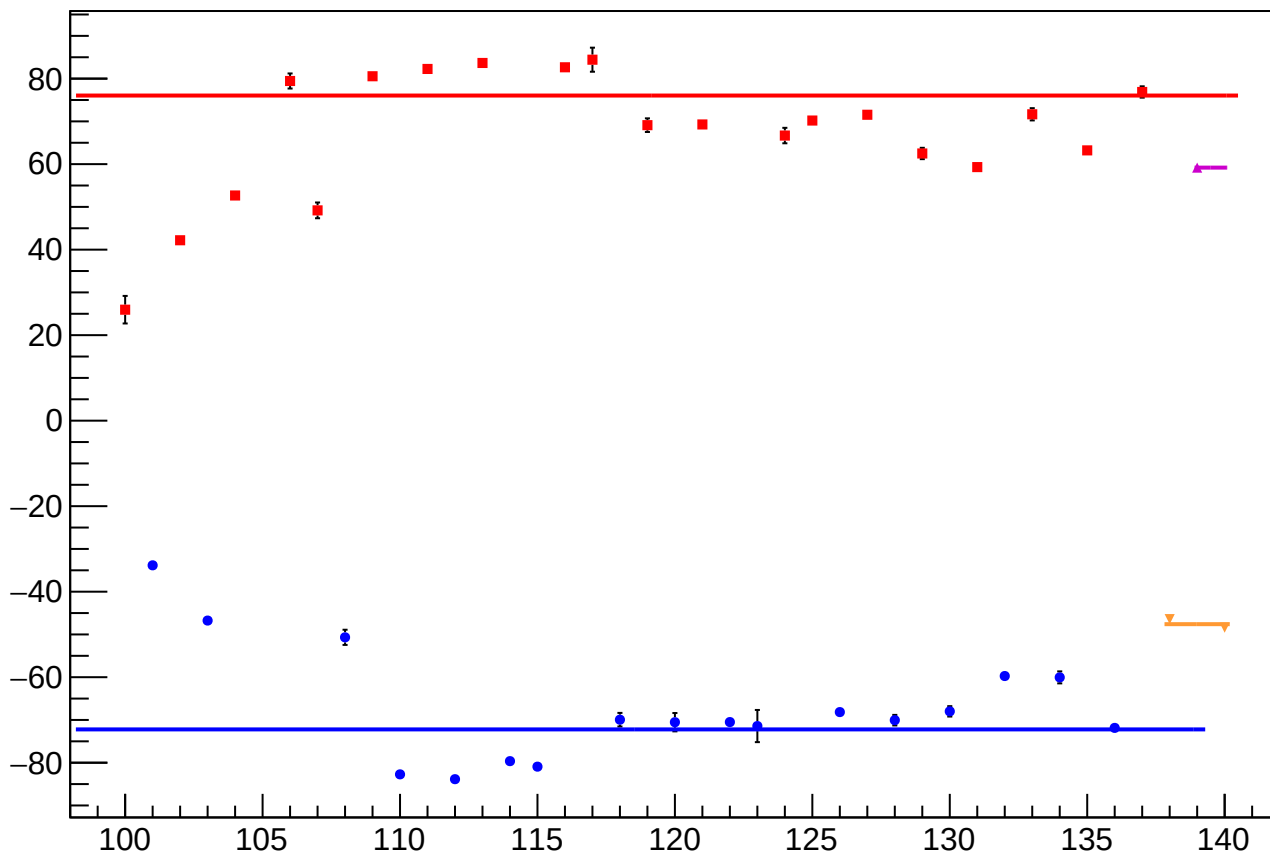
Left In: -24.930+/-0.688 χ^2/NDF : 0.0/0

11.974+/-0.101 χ^2/NDF : 1616.9/18

1.739+/-0.076 χ^2/NDF : 26467.0/39

-11.480+/-0.115 χ^2/NDF : 1211.6/20

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -47.596+/-0.233 χ^2/NDF : 17.9/1

Right Out: 76.044+/-0.181 χ^2/NDF : 3472.2/19

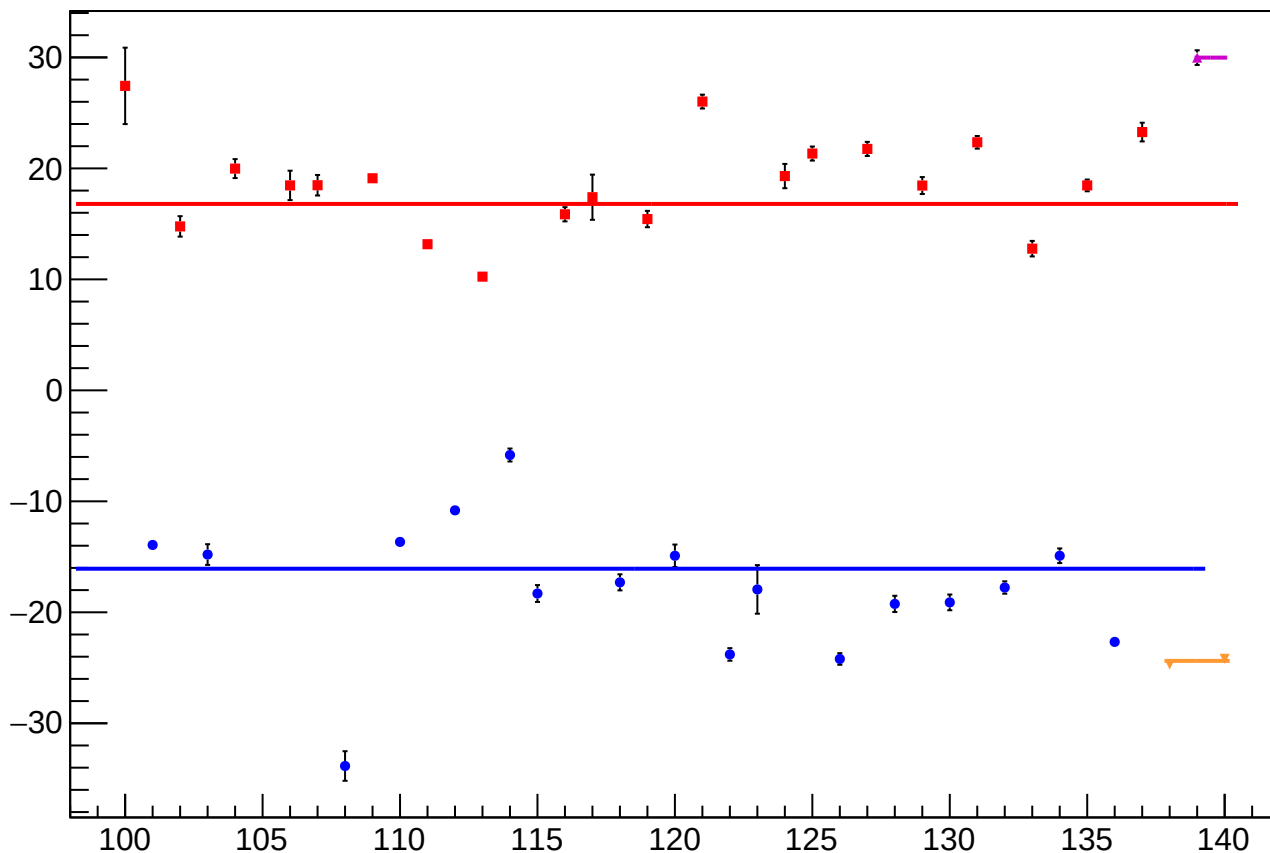
Left In: 59.186+/-0.416 χ^2/NDF : 0.0/0

-61.883+/-0.151 χ^2/NDF : 12069.2/18

-0.575+/-0.112 χ^2/NDF : 381368.8/39

73.367+/-0.166 χ^2/NDF : 4855.7/20

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: -24.378 ± 0.224 $\chi^2/\text{NDF}: 1.2/1$

Right Out: 16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

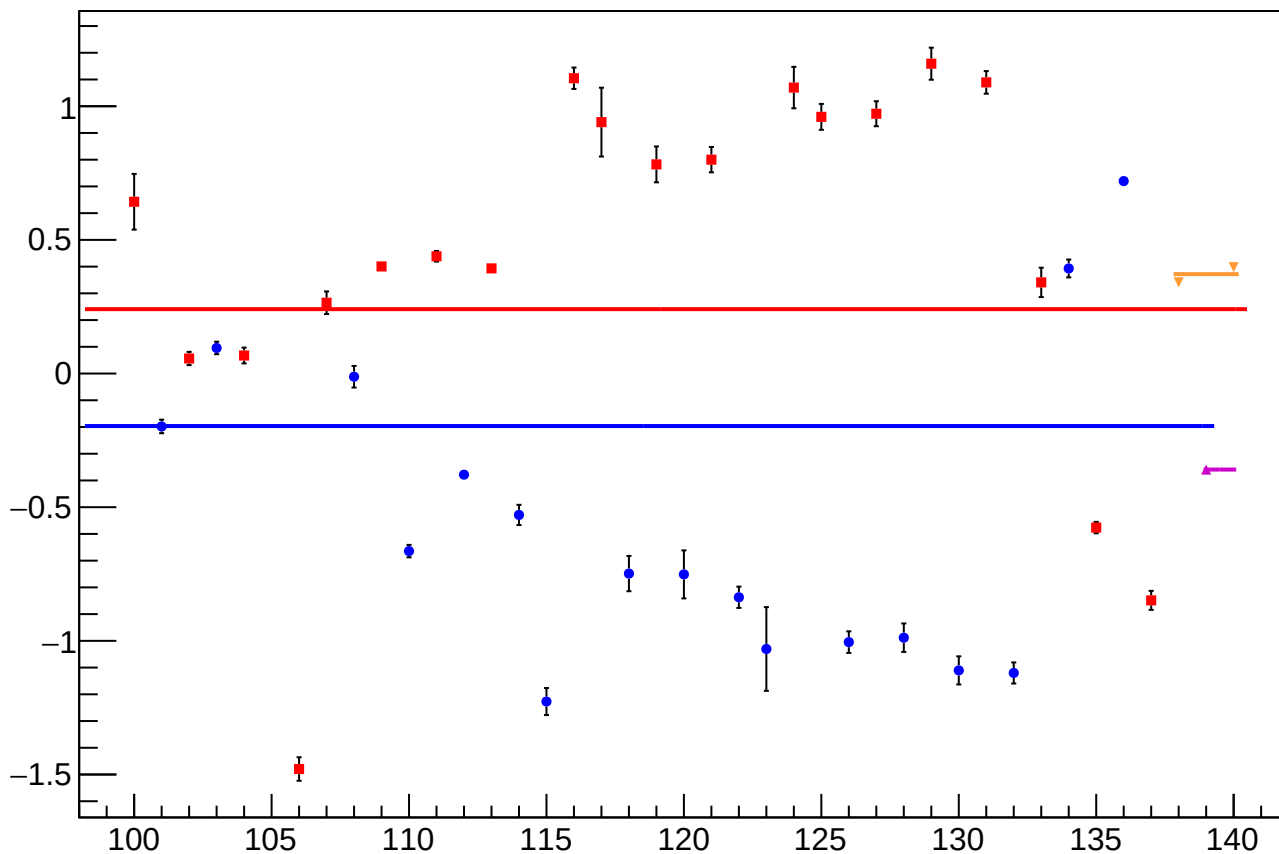
Left In: 29.983 ± 0.662 $\chi^2/\text{NDF}: 0.0/0$

-18.229 ± 0.114 $\chi^2/\text{NDF}: 2661.4/18$

-2.189 ± 0.084 $\chi^2/\text{NDF}: 48056.2/39$

17.272 ± 0.126 $\chi^2/\text{NDF}: 1599.0/20$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.372 ± 0.010 χ^2/NDF : 8.3/1

Right Out: 0.241 ± 0.007 χ^2/NDF : 6218.3/19

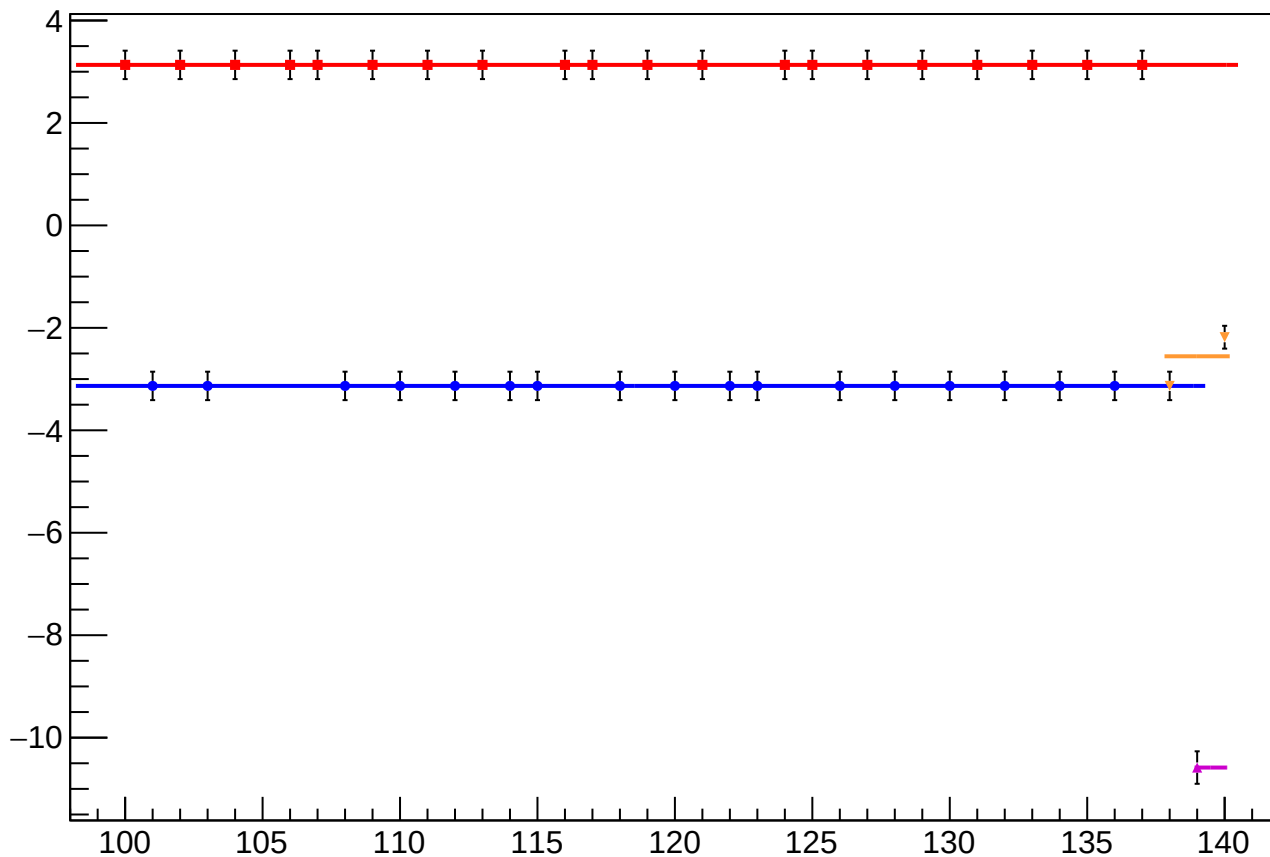
Left In: -0.359 ± 0.015 χ^2/NDF : 0.0/0

0.016 ± 0.006 χ^2/NDF : 8453.5/18

0.066 ± 0.004 χ^2/NDF : 16186.7/39

0.124 ± 0.006 χ^2/NDF : 7581.8/20

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.133 ± 0.067 χ^2/NDF : 0.0/16

Left Out: -2.555 ± 0.174 χ^2/NDF : 7.1/1

Right Out: 3.133 ± 0.062 χ^2/NDF : 0.0/19

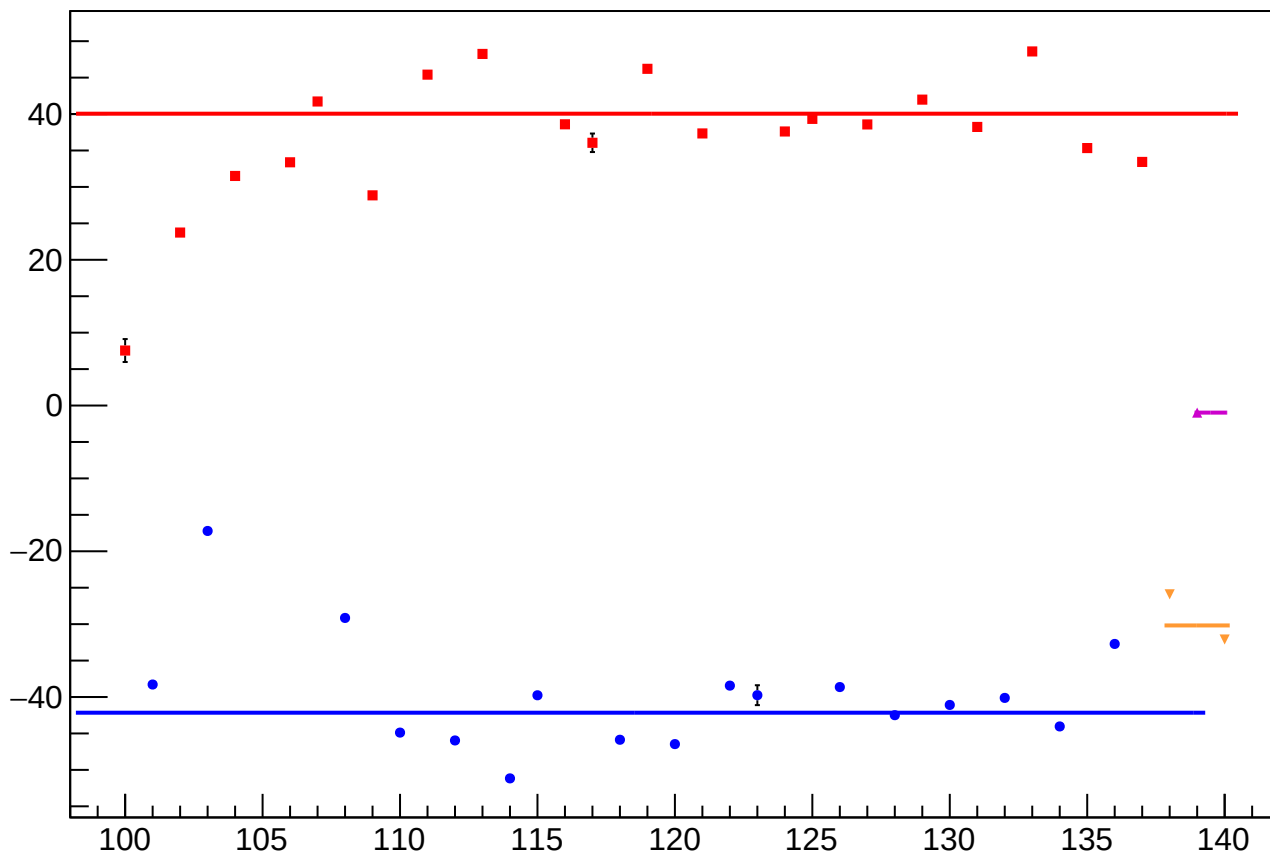
Left In: -10.584 ± 0.317 χ^2/NDF : 0.0/0

-3.058 ± 0.063 χ^2/NDF : 16.8/18

-0.130 ± 0.044 χ^2/NDF : 6044.8/39

2.627 ± 0.061 χ^2/NDF : 1801.9/20

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -30.178 ± 0.150 χ^2/NDF : 365.5/1

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

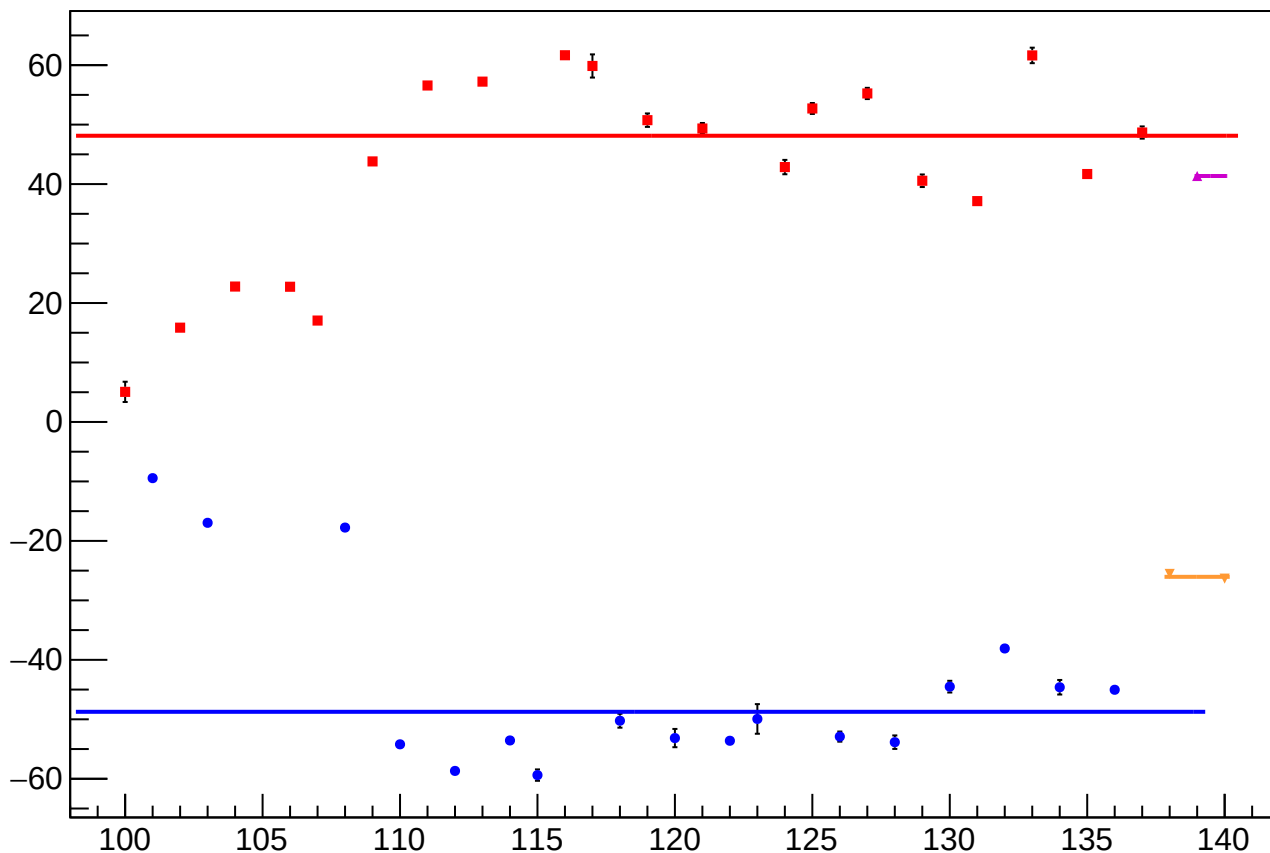
Left In: -0.972 ± 0.567 χ^2/NDF : 0.0/0

-39.609 ± 0.069 χ^2/NDF : 11928.5/18

-1.691 ± 0.050 χ^2/NDF : 653217.1/39

39.386 ± 0.072 χ^2/NDF : 16485.0/20

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -26.041 ± 0.186 $\chi^2/\text{NDF}: 4.3/1$

Right Out: 48.127 ± 0.107 $\chi^2/\text{NDF}: 11769.6/19$

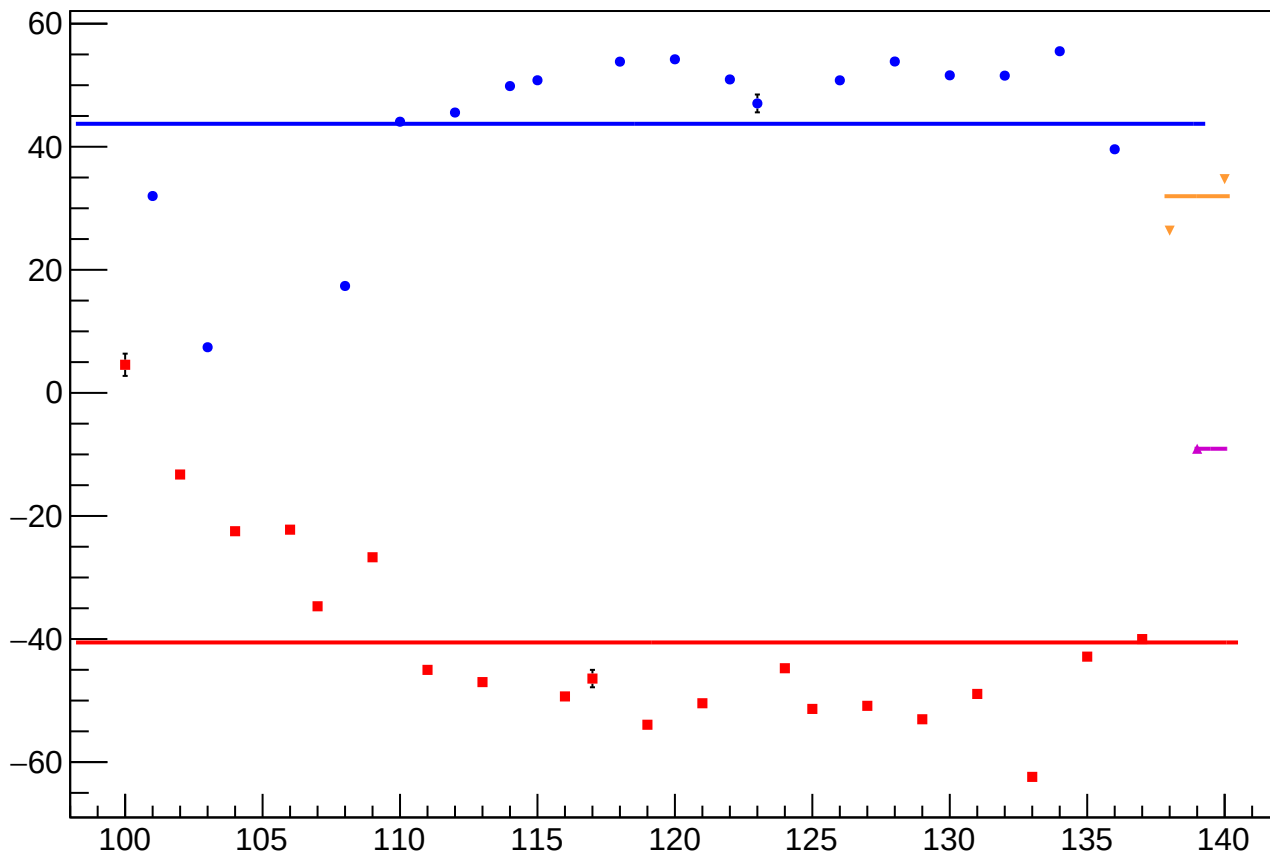
Left In: 41.359 ± 0.344 $\chi^2/\text{NDF}: 0.0/0$

-41.722 ± 0.104 $\chi^2/\text{NDF}: 24924.1/18$

3.470 ± 0.073 $\chi^2/\text{NDF}: 413281.2/39$

47.529 ± 0.102 $\chi^2/\text{NDF}: 12122.8/20$

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: 31.962 ± 0.179 $\chi^2/\text{NDF}: 484.9/1$

Right Out: -40.556 ± 0.080 $\chi^2/\text{NDF}: 17618.6/19$

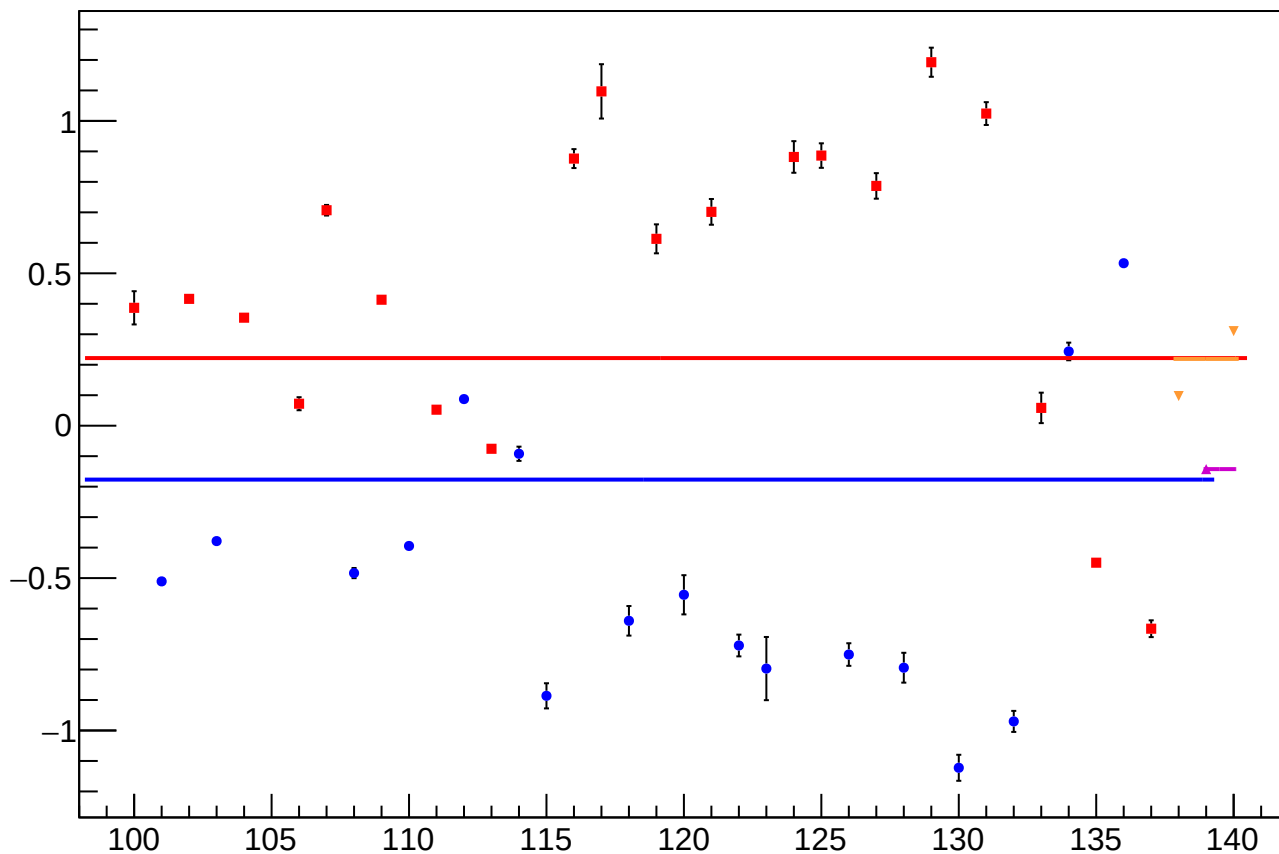
Left In: -9.077 ± 0.545 $\chi^2/\text{NDF}: 0.0/0$

41.485 ± 0.078 $\chi^2/\text{NDF}: 14557.3/18$

1.361 ± 0.056 $\chi^2/\text{NDF}: 570505.6/39$

-39.892 ± 0.079 $\chi^2/\text{NDF}: 20881.3/20$

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.219 ± 0.008 χ^2/NDF : 181.9/1

Right Out: 0.222 ± 0.004 χ^2/NDF : 7527.0/19

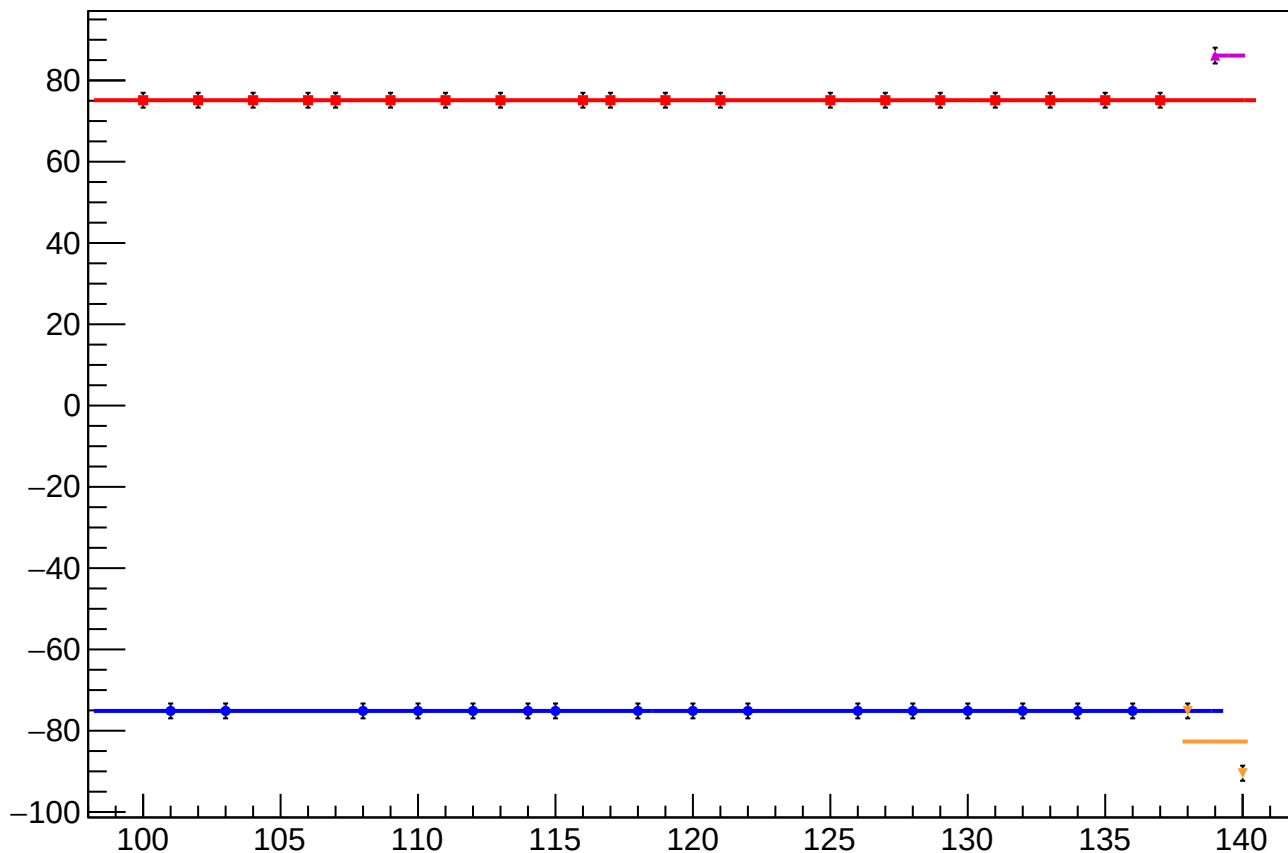
Left In: -0.142 ± 0.012 χ^2/NDF : 0.0/0

-0.067 ± 0.004 χ^2/NDF : 9402.8/18

0.059 ± 0.003 χ^2/NDF : 19585.4/39

0.181 ± 0.004 χ^2/NDF : 8342.0/20

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -75.129 $\pm$ 0.457 χ^2 /NDF: 0.0/15

Left Out: -82.656 $\pm$ 1.305 χ^2 /NDF: 34.5/1

Right Out: 75.129 $\pm$ 0.420 χ^2 /NDF: 0.0/18

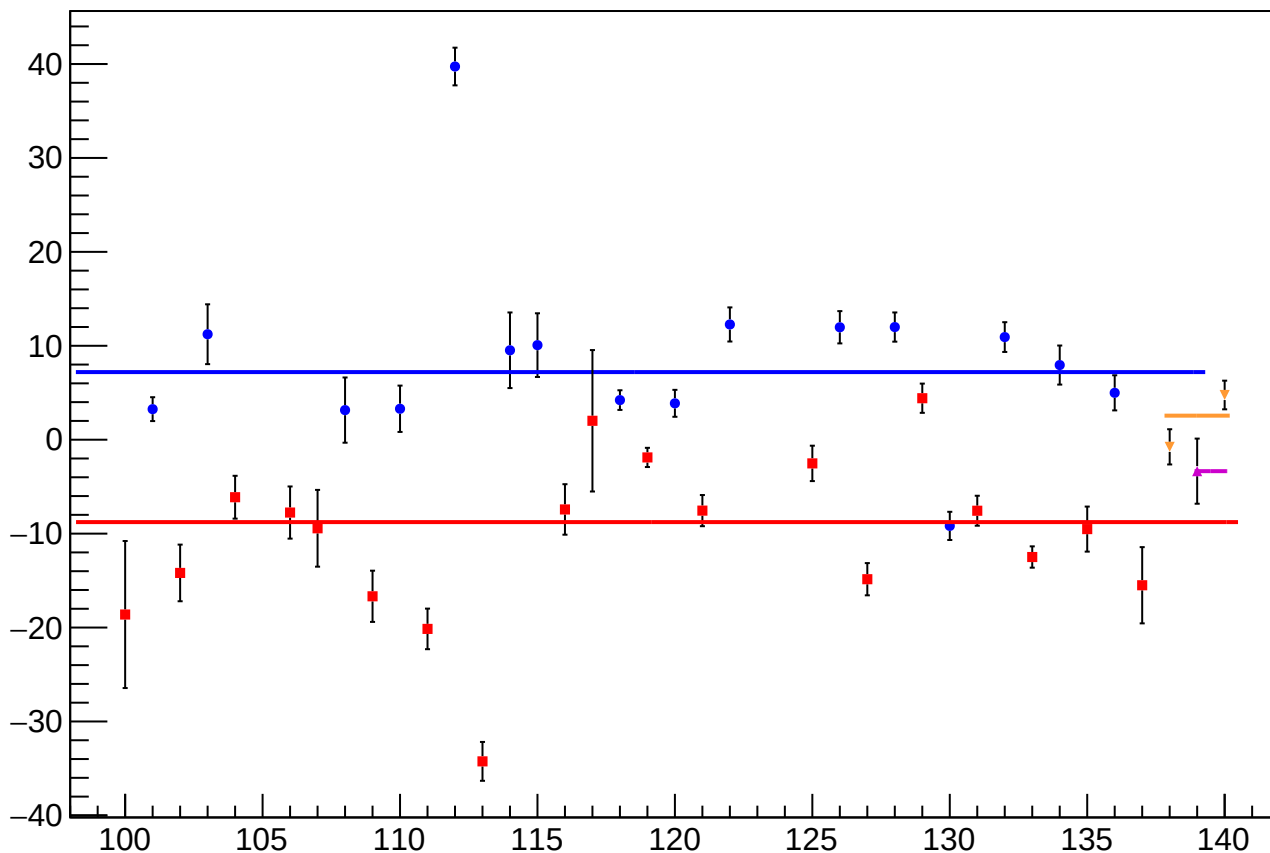
Left In: 86.112 $\pm$ 1.945 χ^2 /NDF: 0.0/0

-75.952 $\pm$ 0.432 χ^2 /NDF: 64.1/17

3.677 $\pm$ 0.297 χ^2 /NDF: 64851.3/37

75.618 $\pm$ 0.410 χ^2 /NDF: 30.5/19

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 $\pm$ 0.440 χ^2 /NDF: 443.8/15

Left Out: 2.561 $\pm$ 1.183 χ^2 /NDF: 5.2/1

Right Out: -8.772 $\pm$ 0.447 χ^2 /NDF: 351.7/18

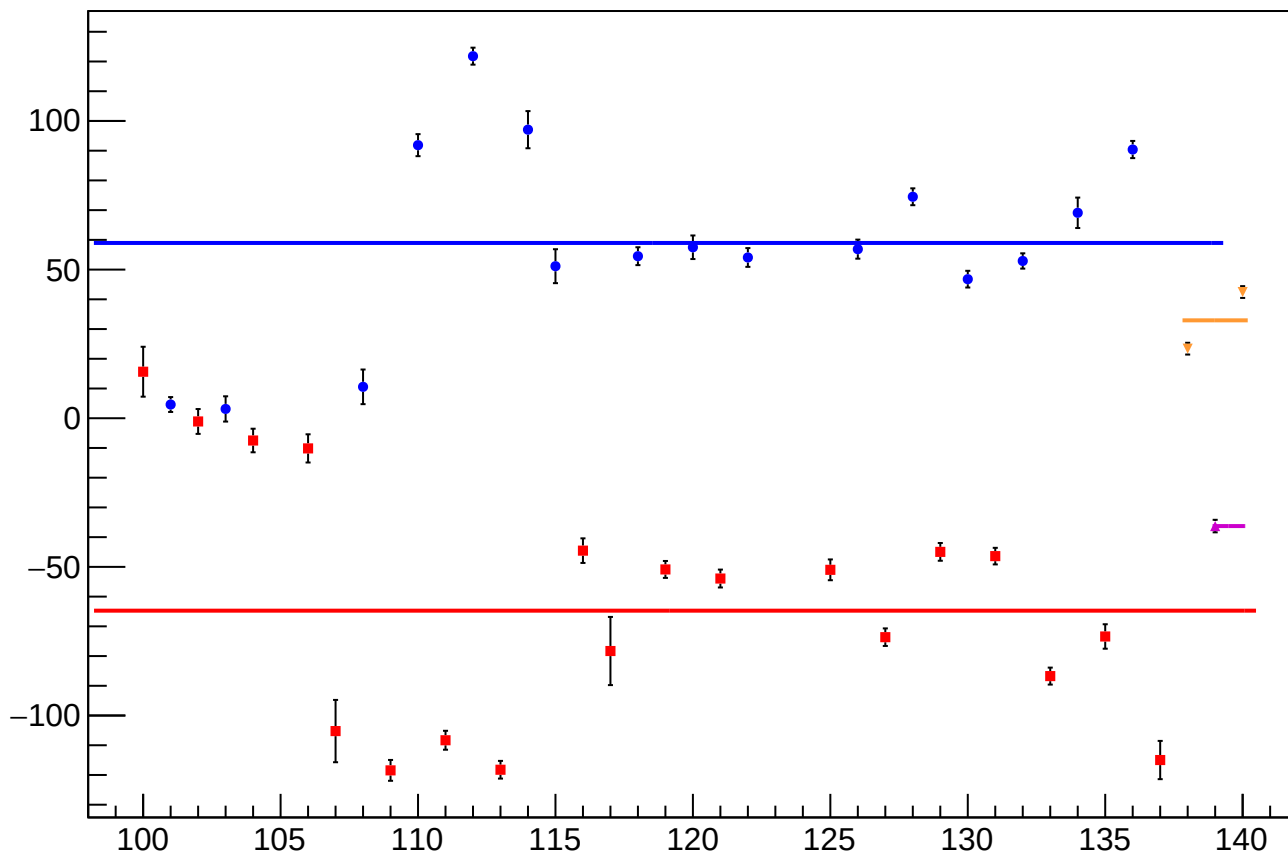
Left In: -3.349 $\pm$ 3.468 χ^2 /NDF: 0.0/0

6.637 $\pm$ 0.412 χ^2 /NDF: 462.5/17

-0.463 $\pm$ 0.302 χ^2 /NDF: 1457.4/37

-8.684 $\pm$ 0.443 χ^2 /NDF: 354.1/19

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962±0.837 χ^2/NDF : 1496.5/15

Left Out: 32.930±1.403 χ^2/NDF : 46.1/1

Right Out: -64.728±0.838 χ^2/NDF : 1723.2/18

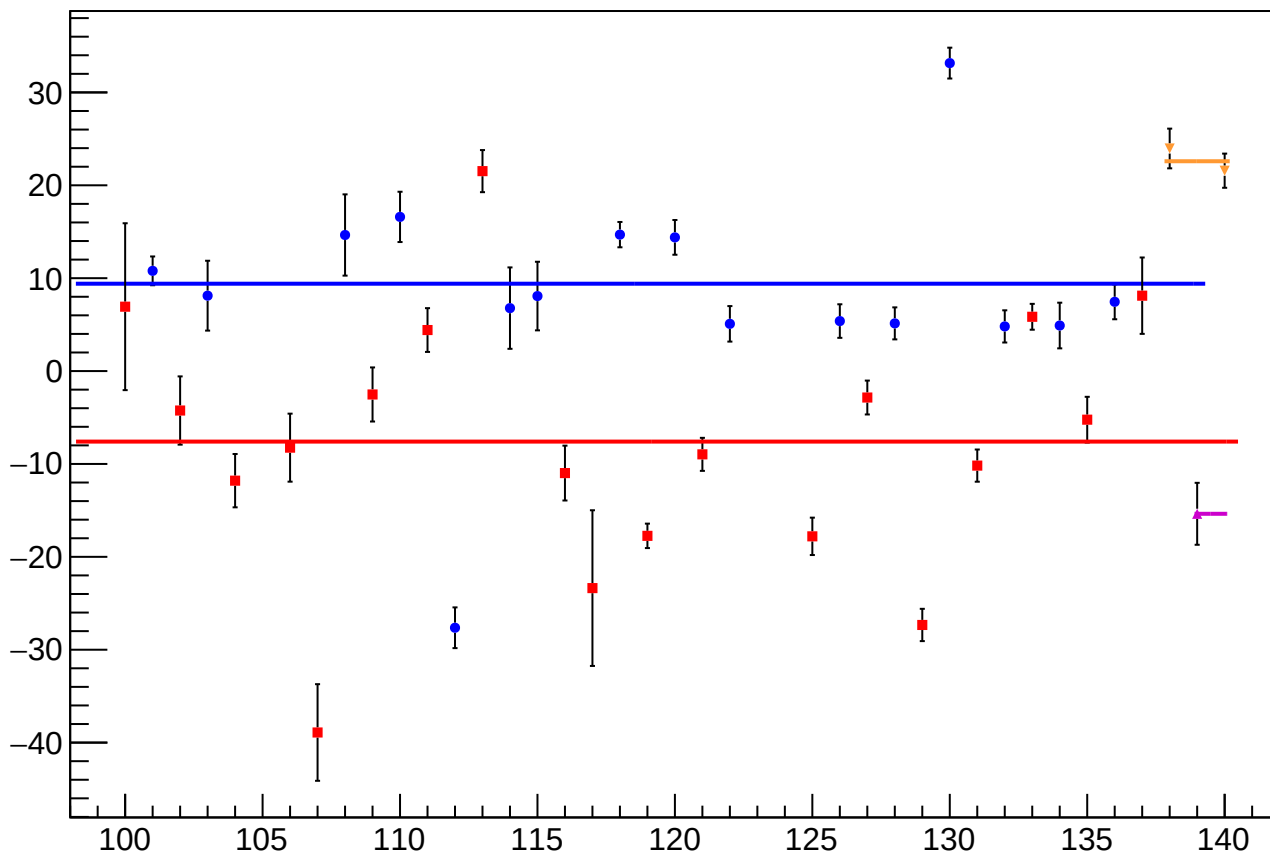
Left In: -36.273±2.110 χ^2/NDF : 0.0/0

52.128±0.719 χ^2/NDF : 1796.5/17

0.151±0.528 χ^2/NDF : 15044.5/37

-60.853±0.779 χ^2/NDF : 1880.4/19

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405±/0.507 χ^2/NDF : 549.5/15

Left Out: 22.590±/1.394 χ^2/NDF : 0.7/1

Right Out: -7.593±/0.514 χ^2/NDF : 573.4/18

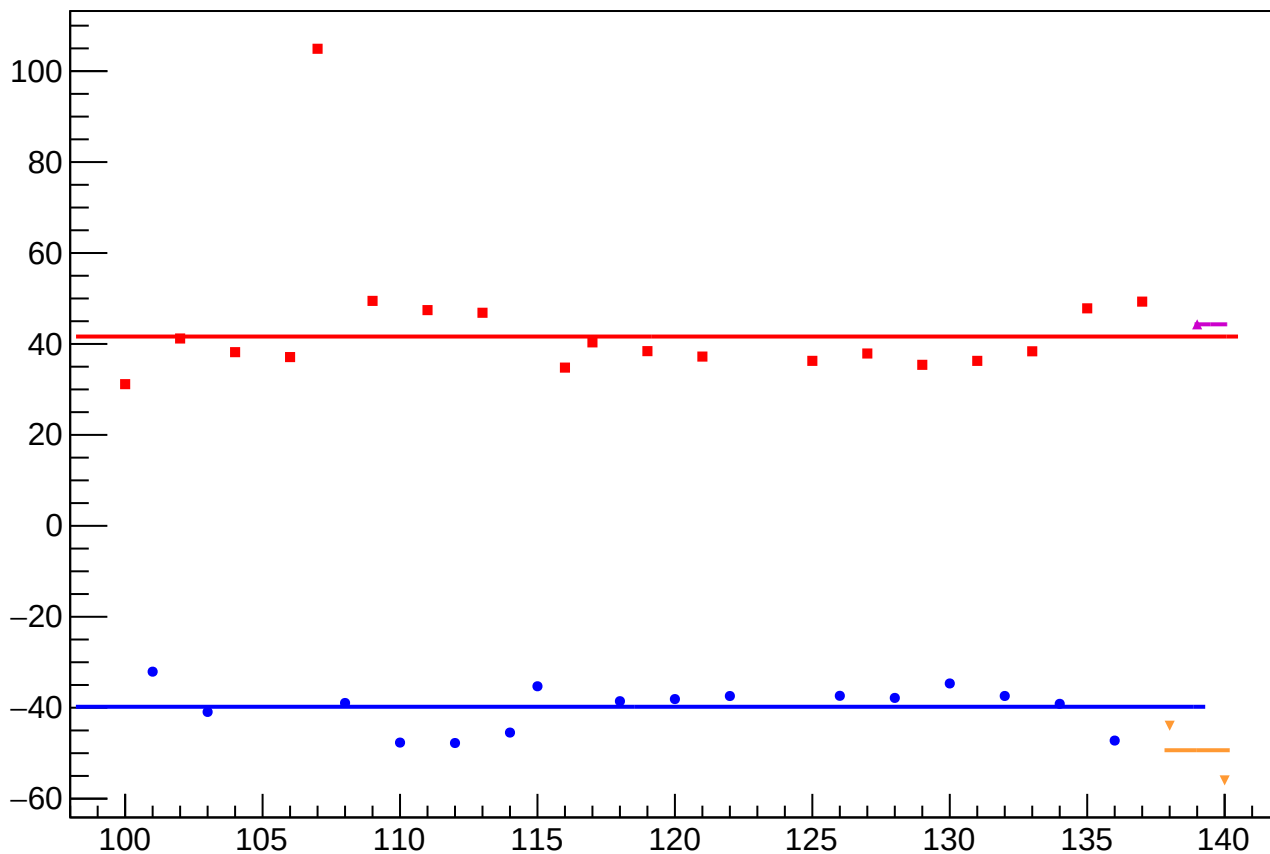
Left In: -15.367±/3.335 χ^2/NDF : 0.0/0

10.944±/0.476 χ^2/NDF : 629.2/17

2.186±/0.347 χ^2/NDF : 1930.6/37

-7.773±/0.508 χ^2/NDF : 578.7/19

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 $\pm$ 0.031 χ^2/NDF : 26138.6/15

Left Out: -49.350 $\pm$ 0.058 χ^2/NDF : 10634.7/1

Right Out: 41.631 $\pm$ 0.031 χ^2/NDF : 94399.1/18

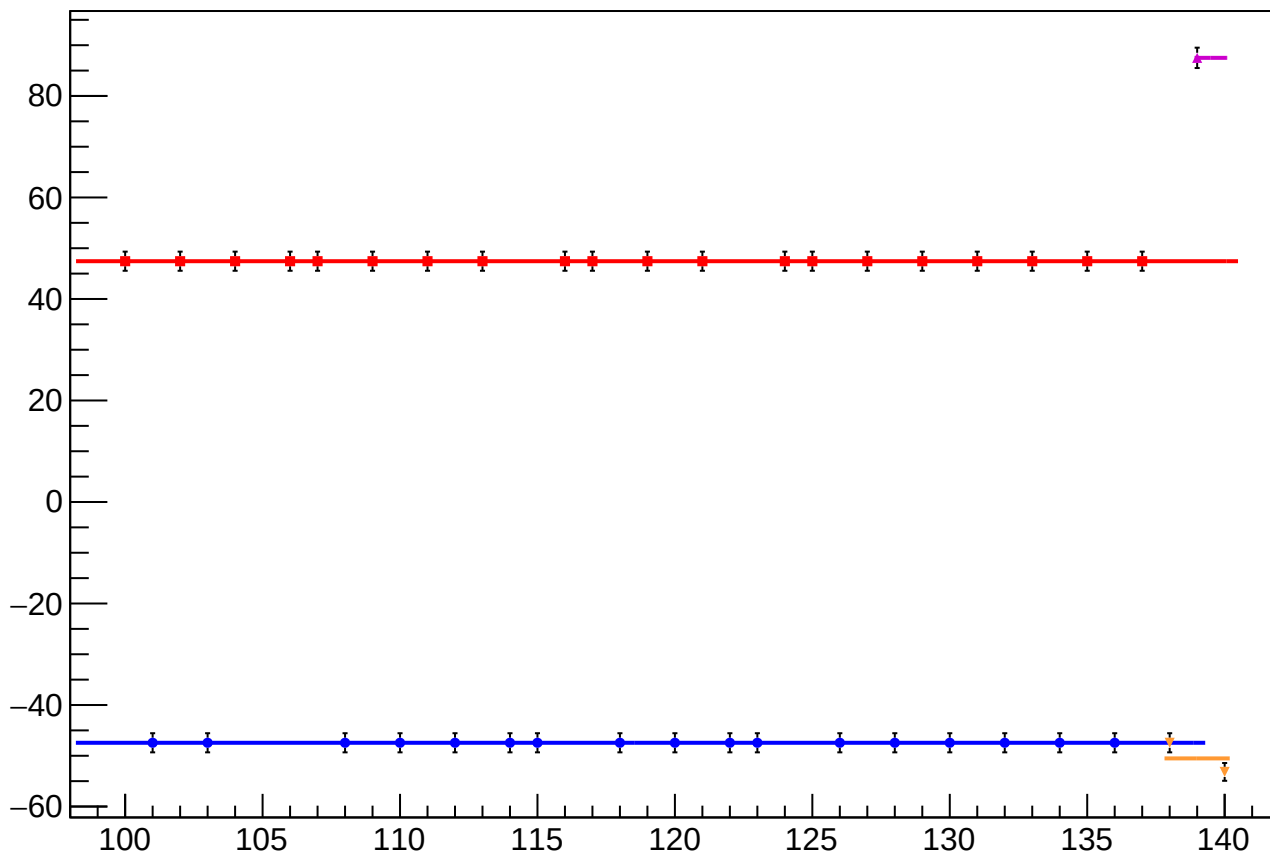
Left In: 44.316 $\pm$ 0.074 χ^2/NDF : 0.0/0

-41.940 $\pm$ 0.027 χ^2/NDF : 57836.6/17

-1.738 $\pm$ 0.020 χ^2/NDF : 4619719.3/37

42.039 $\pm$ 0.029 χ^2/NDF : 95527.9/19

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.442 $\pm$ 0.457 χ^2/NDF : 0.0/16

Left Out: -50.520 $\pm$ 1.283 χ^2/NDF : 5.0/1

Right Out: 47.442 $\pm$ 0.421 χ^2/NDF : 0.0/19

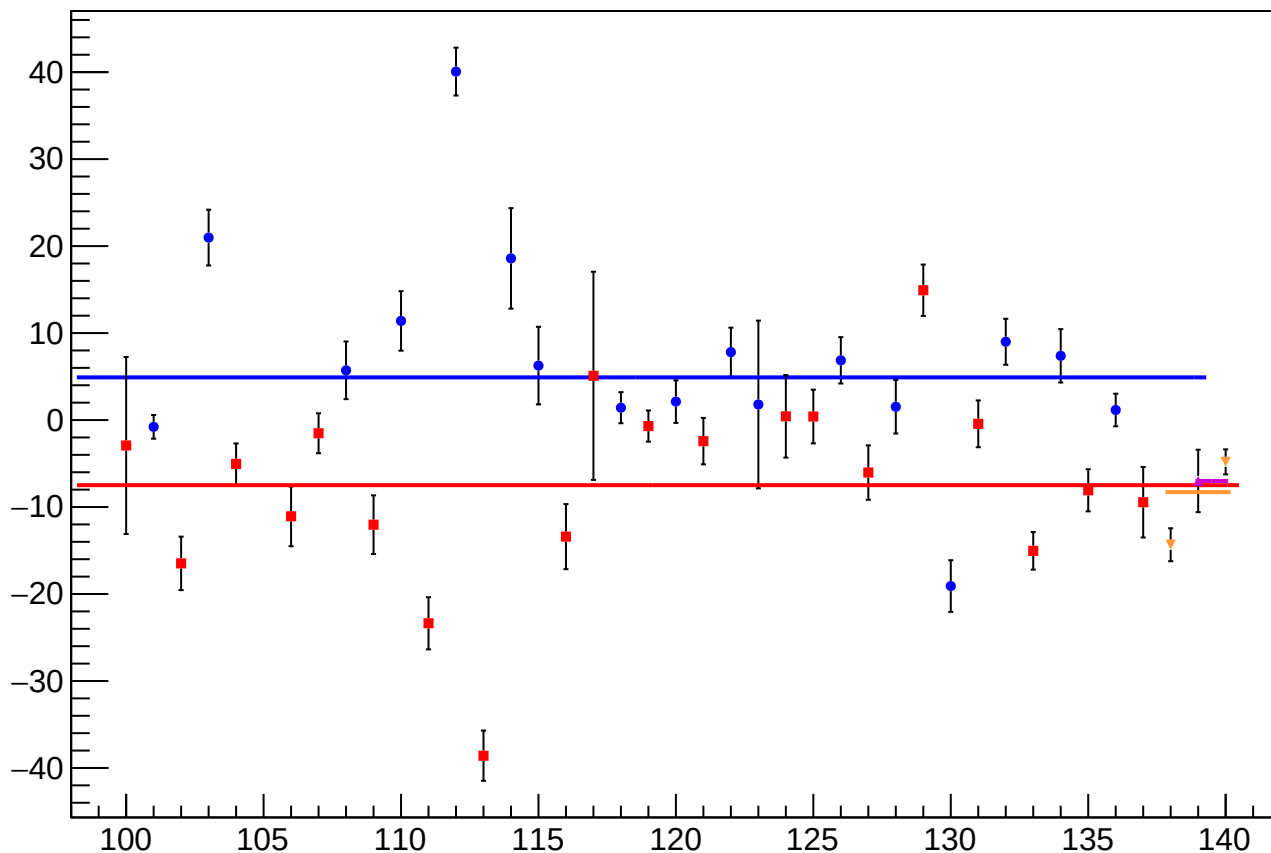
Left In: 87.509 $\pm$ 2.005 χ^2/NDF : 0.0/0

-47.788 $\pm$ 0.431 χ^2/NDF : 10.1/18

2.764 $\pm$ 0.298 χ^2/NDF : 26815.7/39

49.137 $\pm$ 0.412 χ^2/NDF : 382.4/20

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: -8.284 ± 1.145 χ^2/NDF : 16.0/1

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

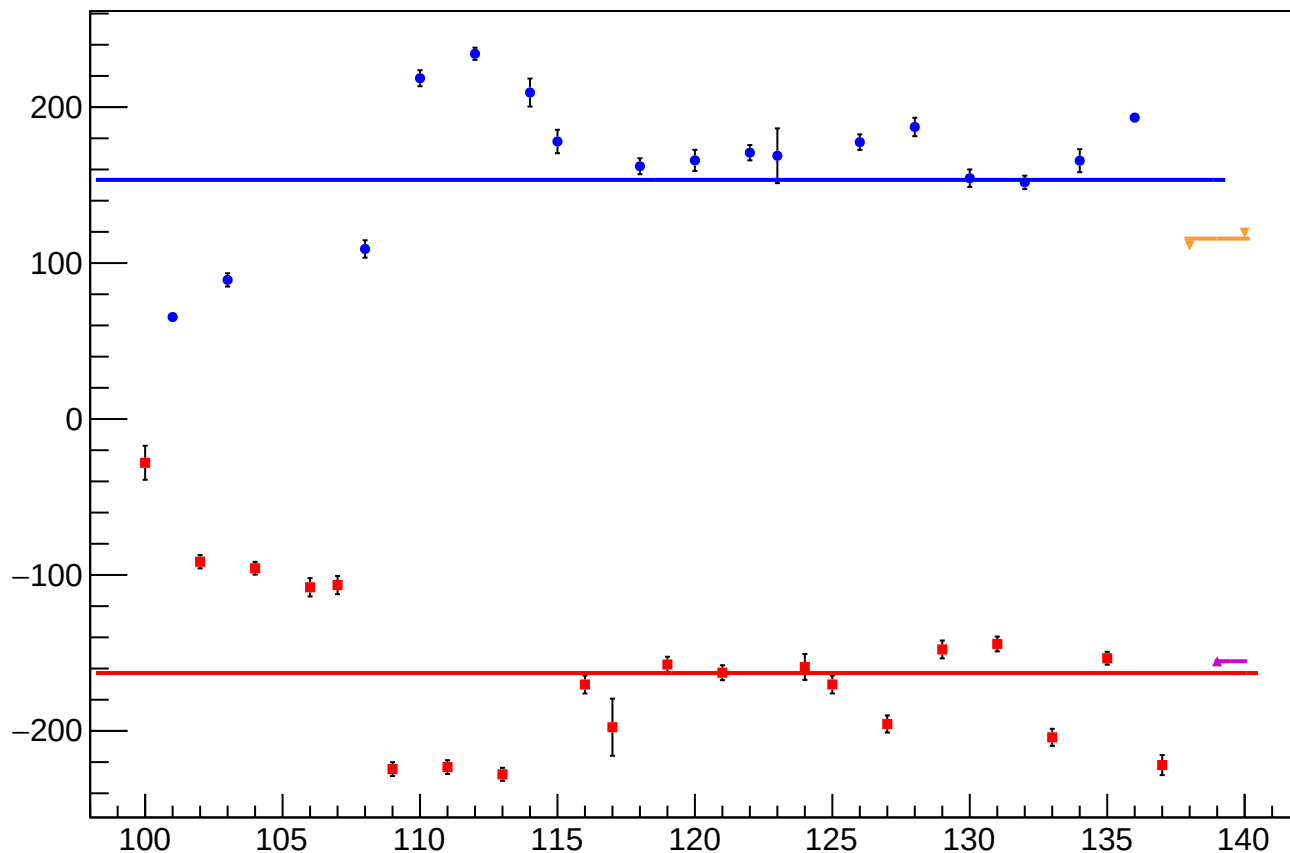
Left In: -7.000 ± 3.590 χ^2/NDF : 0.0/0

1.859 ± 0.551 χ^2/NDF : 413.4/18

-2.114 ± 0.417 χ^2/NDF : 807.5/39

-7.471 ± 0.639 χ^2/NDF : 271.7/20

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 115.701 $\pm$ 1.378 χ^2 /NDF: 8.8/1

Right Out: -162.878 $\pm$ 1.174 χ^2 /NDF: 1712.4/19

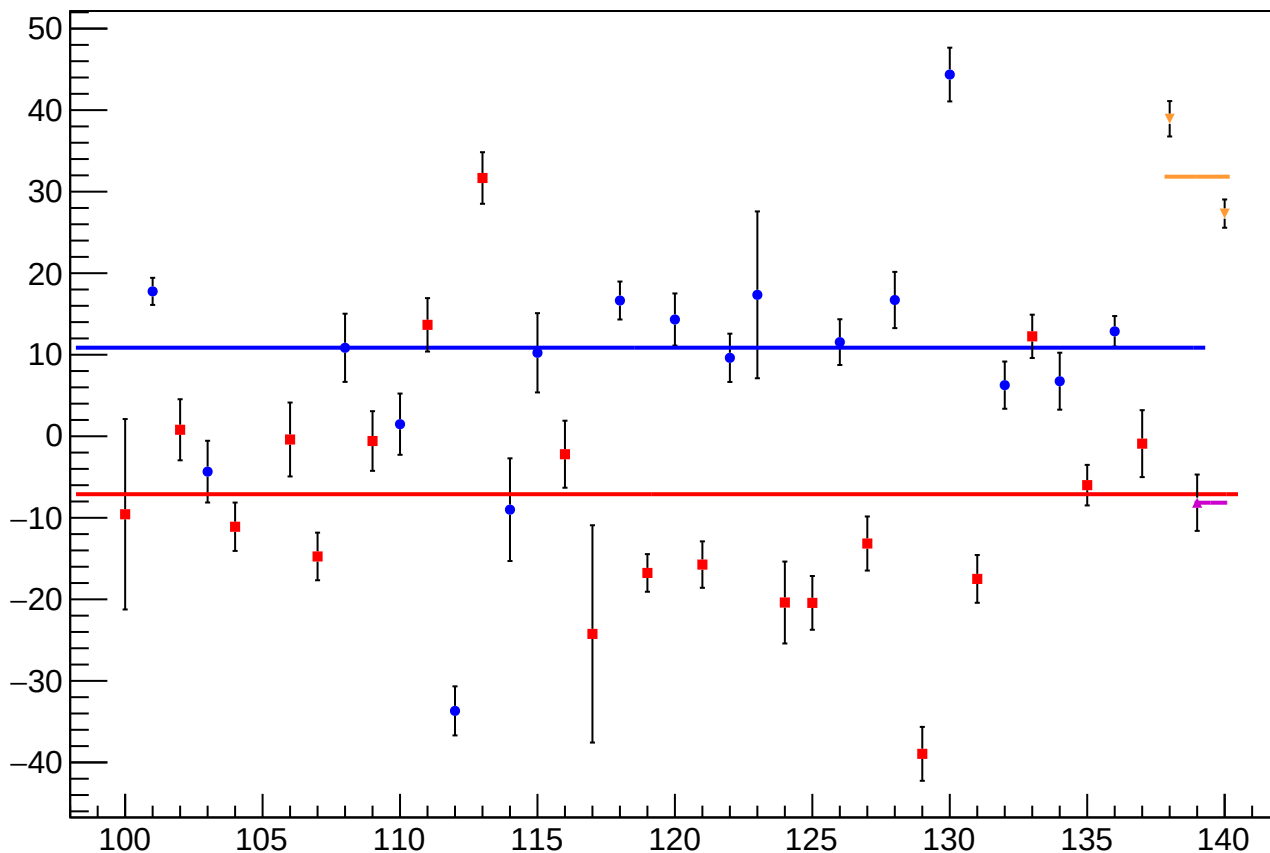
Left In: -155.324 $\pm$ 2.173 χ^2 /NDF: 0.0/0

137.888 $\pm$ 0.883 χ^2 /NDF: 2717.1/18

11.662 $\pm$ 0.671 χ^2 /NDF: 52856.8/39

-161.170 $\pm$ 1.033 χ^2 /NDF: 1721.8/20

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: 31.838 $\pm$ 1.355 χ^2 /NDF: 17.5/1

Right Out: -7.106 $\pm$ 0.746 χ^2 /NDF: 426.4/19

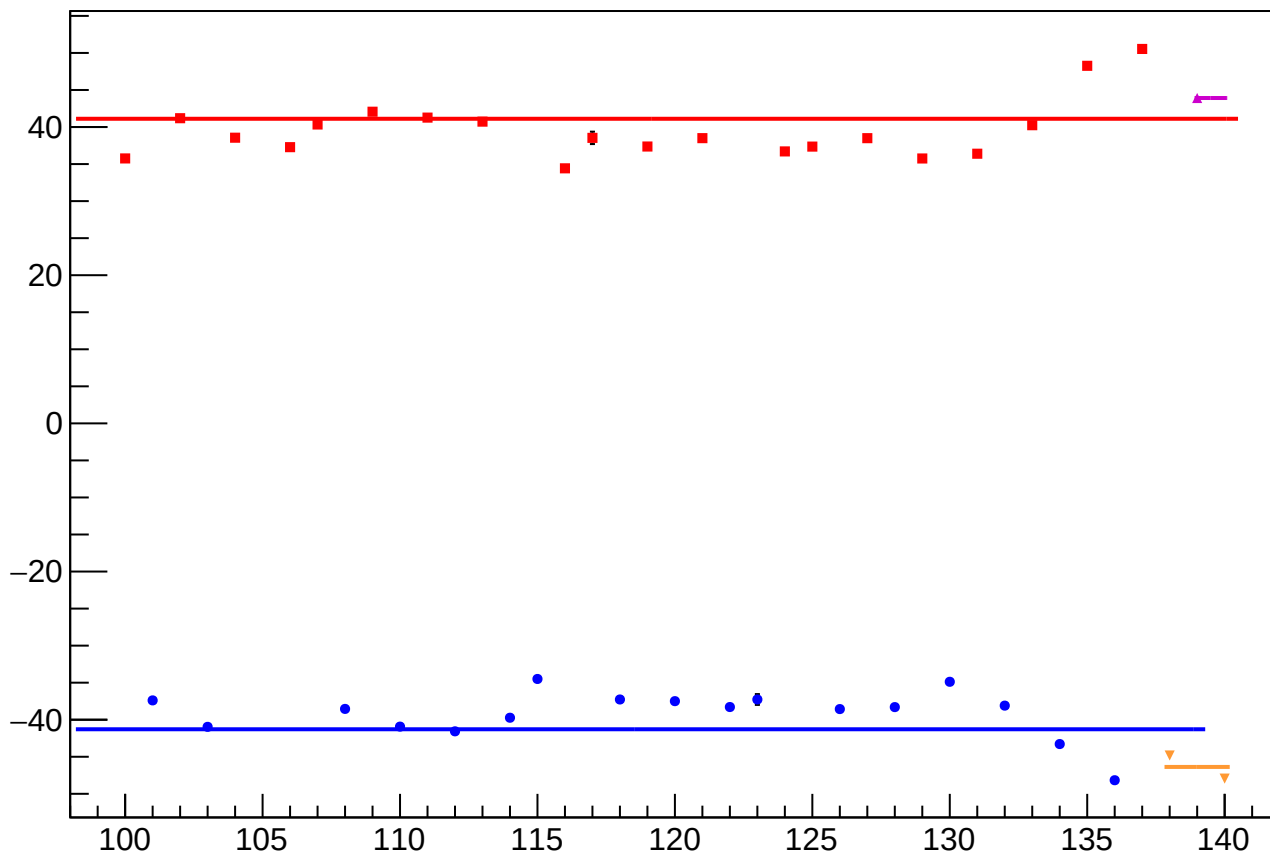
Left In: -8.149 $\pm$ 3.455 χ^2 /NDF: 0.0/0

15.479 $\pm$ 0.635 χ^2 /NDF: 592.5/18

5.716 $\pm$ 0.479 χ^2 /NDF: 1566.1/39

-7.152 $\pm$ 0.730 χ^2 /NDF: 426.4/20

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: -46.373 ± 0.057 $\chi^2/\text{NDF}: 739.9/1$

Right Out: 41.115 ± 0.039 $\chi^2/\text{NDF}: 12120.1/19$

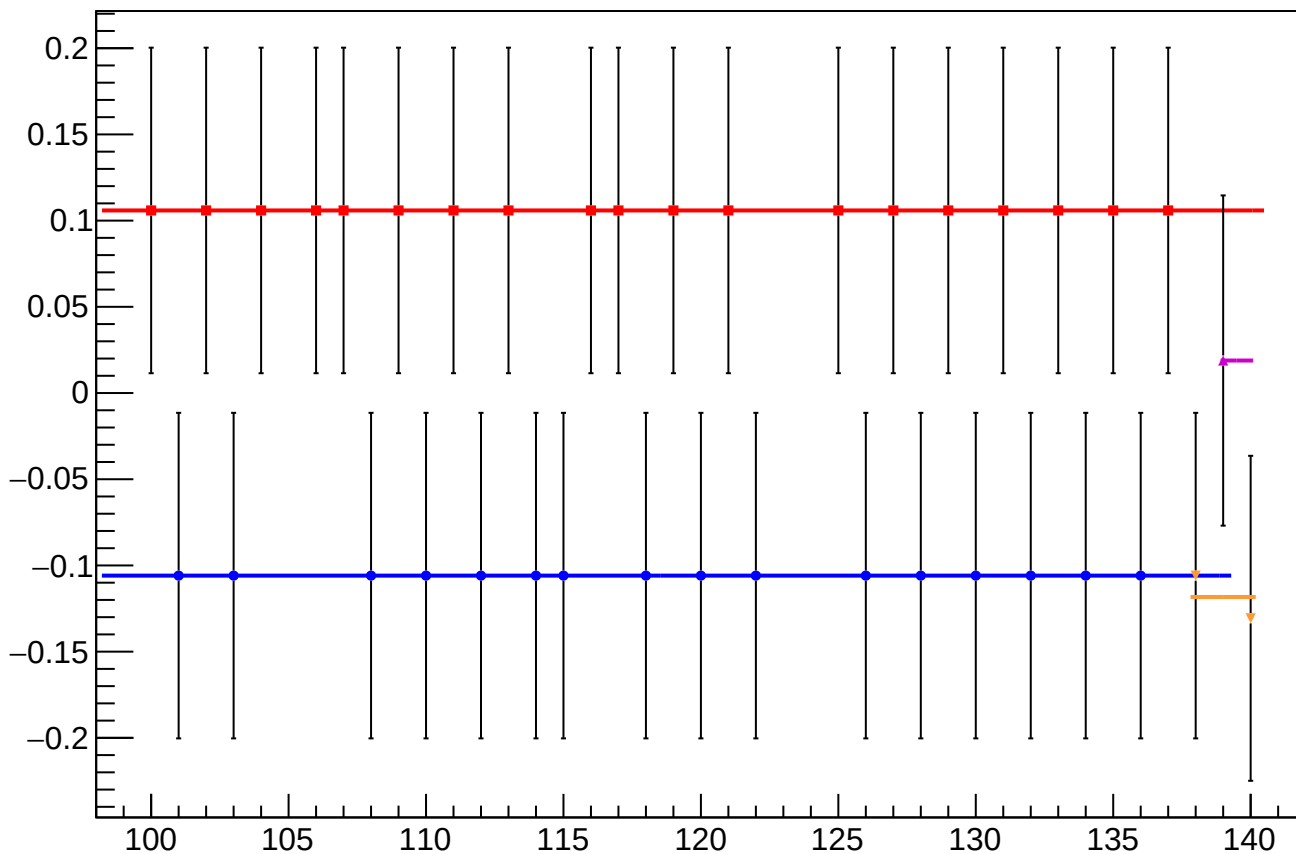
Left In: 43.917 ± 0.076 $\chi^2/\text{NDF}: 0.0/0$

-42.874 ± 0.032 $\chi^2/\text{NDF}: 18656.8/18$

-3.681 ± 0.023 $\chi^2/\text{NDF}: 3262510.7/39$

41.687 ± 0.034 $\chi^2/\text{NDF}: 13194.2/20$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.106 ± 0.024 χ^2/NDF : 0.0/15

Left Out: -0.118 ± 0.067 χ^2/NDF : 0.0/1

Right Out: 0.106 ± 0.022 χ^2/NDF : 0.0/18

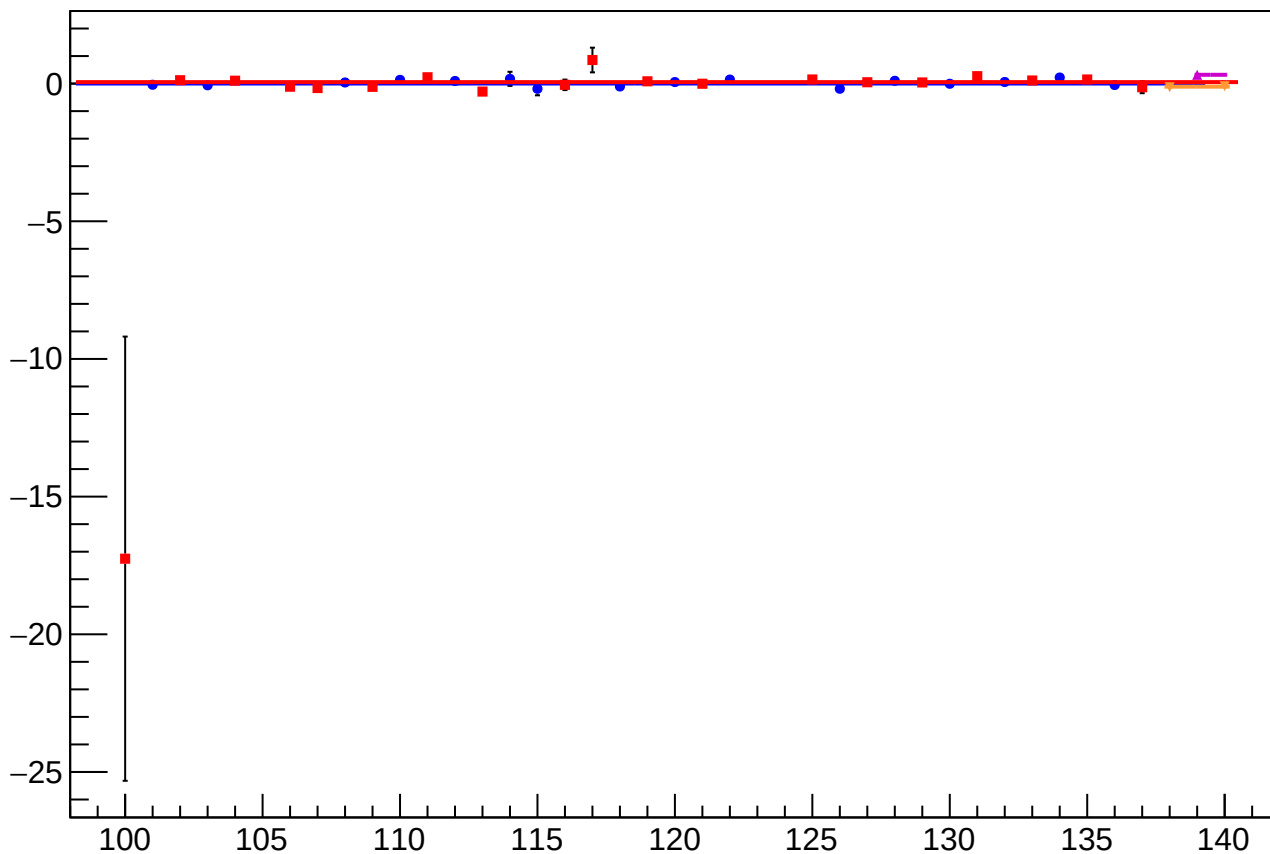
Left In: 0.019 ± 0.096 χ^2/NDF : 0.0/0

-0.107 ± 0.022 χ^2/NDF : 0.1/17

0.003 ± 0.015 χ^2/NDF : 47.2/37

0.102 ± 0.021 χ^2/NDF : 0.8/19

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.029 χ^2 /NDF: 12.4/15

Left Out: -0.111 $\pm$ 0.062 χ^2 /NDF: 0.1/1

Right Out: 0.053 $\pm$ 0.029 χ^2 /NDF: 28.8/18

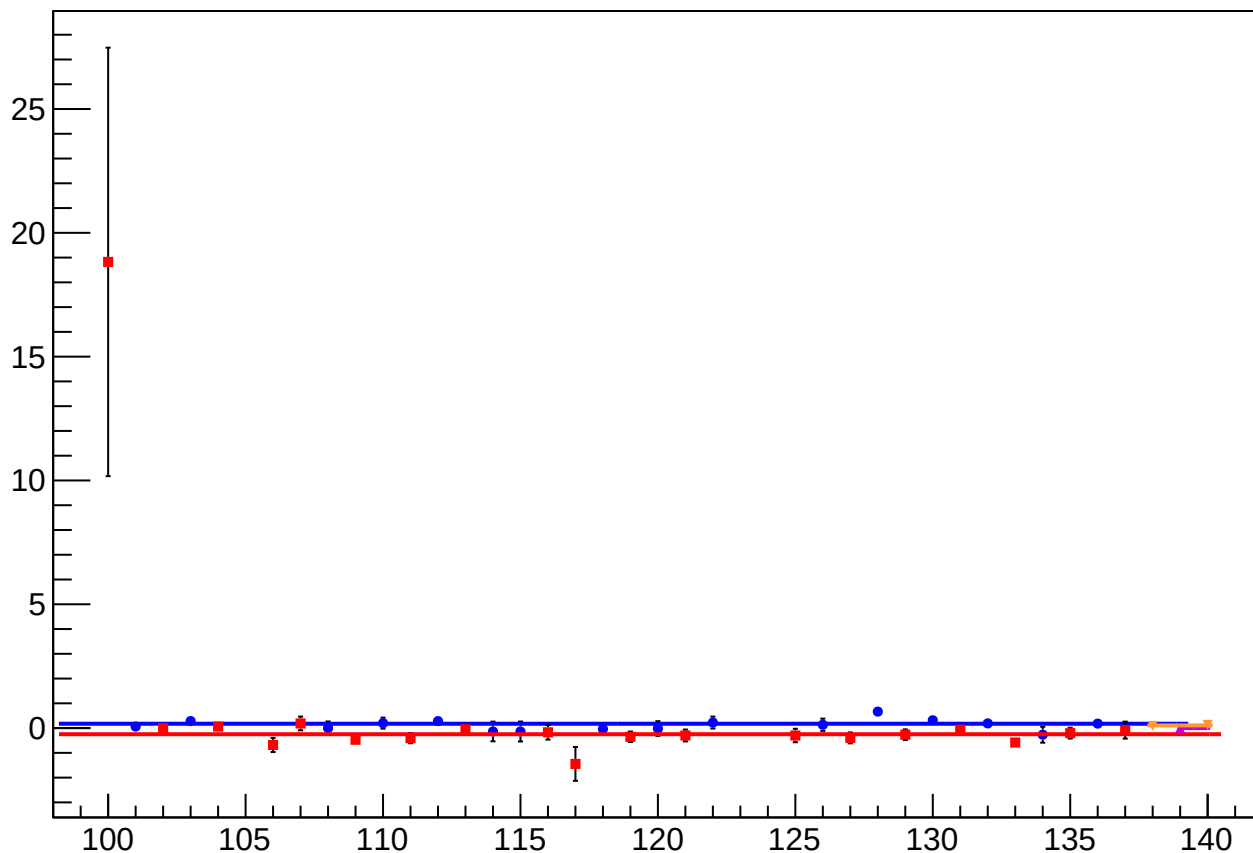
Left In: 0.319 $\pm$ 0.172 χ^2 /NDF: 0.0/0

-0.017 $\pm$ 0.026 χ^2 /NDF: 15.4/17

0.018 $\pm$ 0.019 χ^2 /NDF: 50.5/37

0.061 $\pm$ 0.029 χ^2 /NDF: 31.1/19

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 ± 0.053 χ^2/NDF : 13.0/15

Left Out: 0.109 ± 0.072 χ^2/NDF : 0.1/1

Right Out: -0.247 ± 0.054 χ^2/NDF : 24.7/18

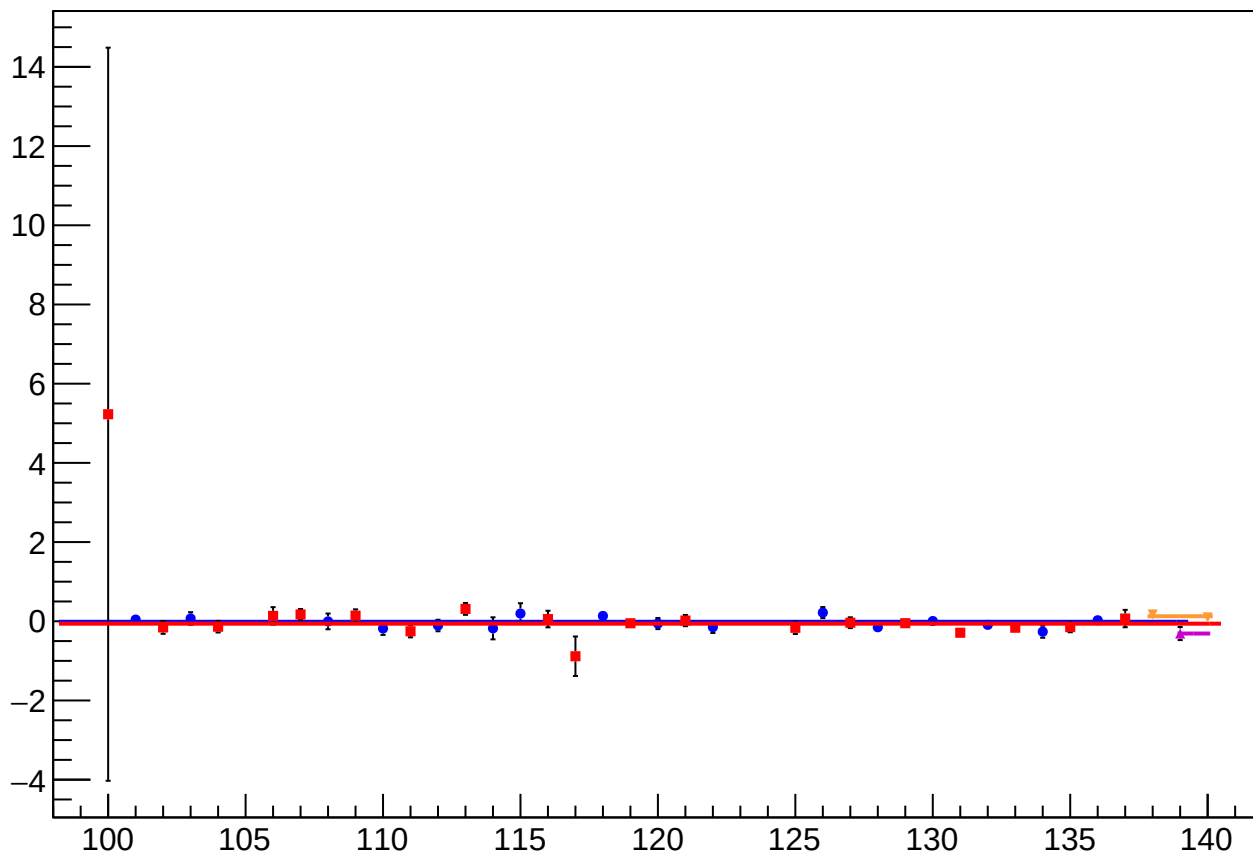
Left In: -0.001 ± 0.104 χ^2/NDF : 0.0/0

0.153 ± 0.042 χ^2/NDF : 13.6/17

-0.001 ± 0.032 χ^2/NDF : 72.4/37

-0.195 ± 0.048 χ^2/NDF : 29.2/19

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.127 ± 0.072 χ^2/NDF : 0.2/1

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

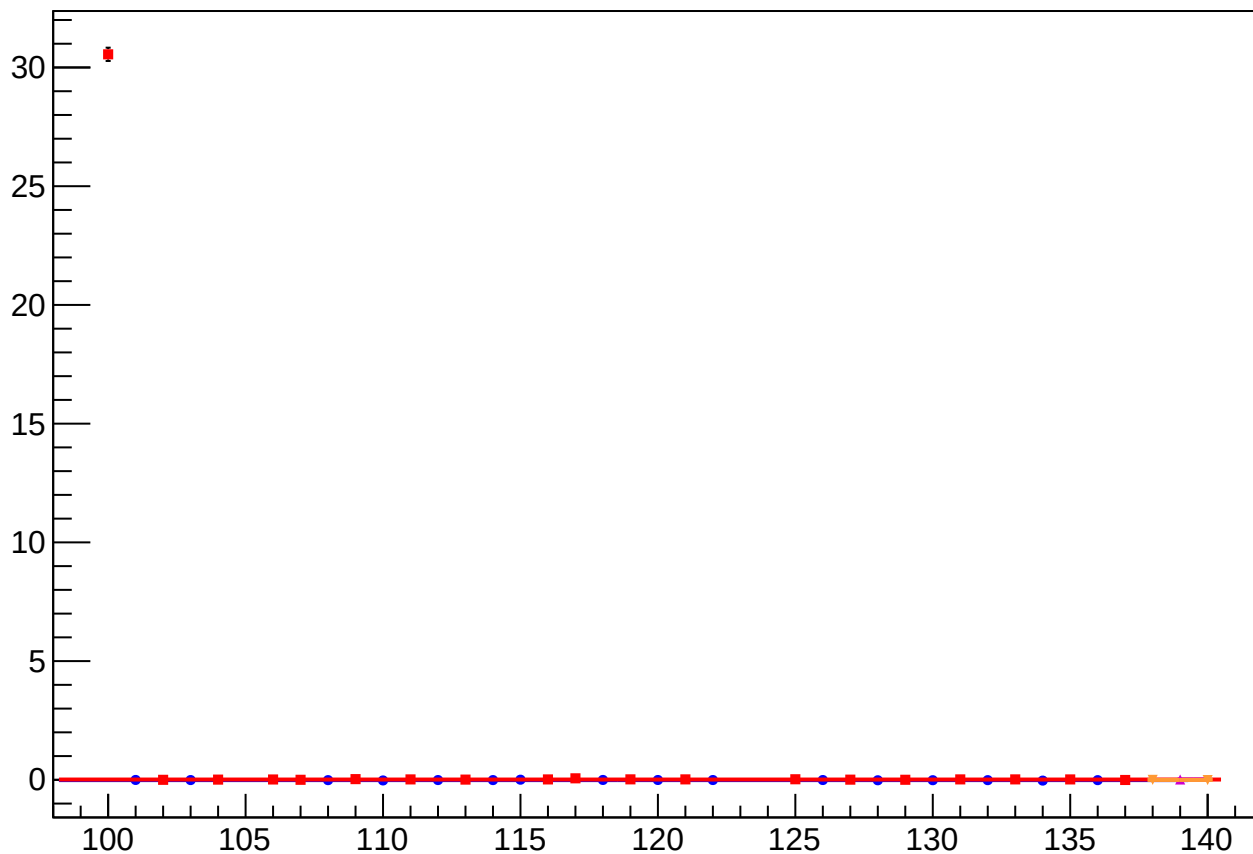
Left In: -0.310 ± 0.165 χ^2/NDF : 0.0/0

0.011 ± 0.030 χ^2/NDF : 17.0/17

-0.026 ± 0.022 χ^2/NDF : 45.6/37

-0.071 ± 0.033 χ^2/NDF : 25.3/19

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.005 ± 0.003 χ^2/NDF : 2.1/1

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

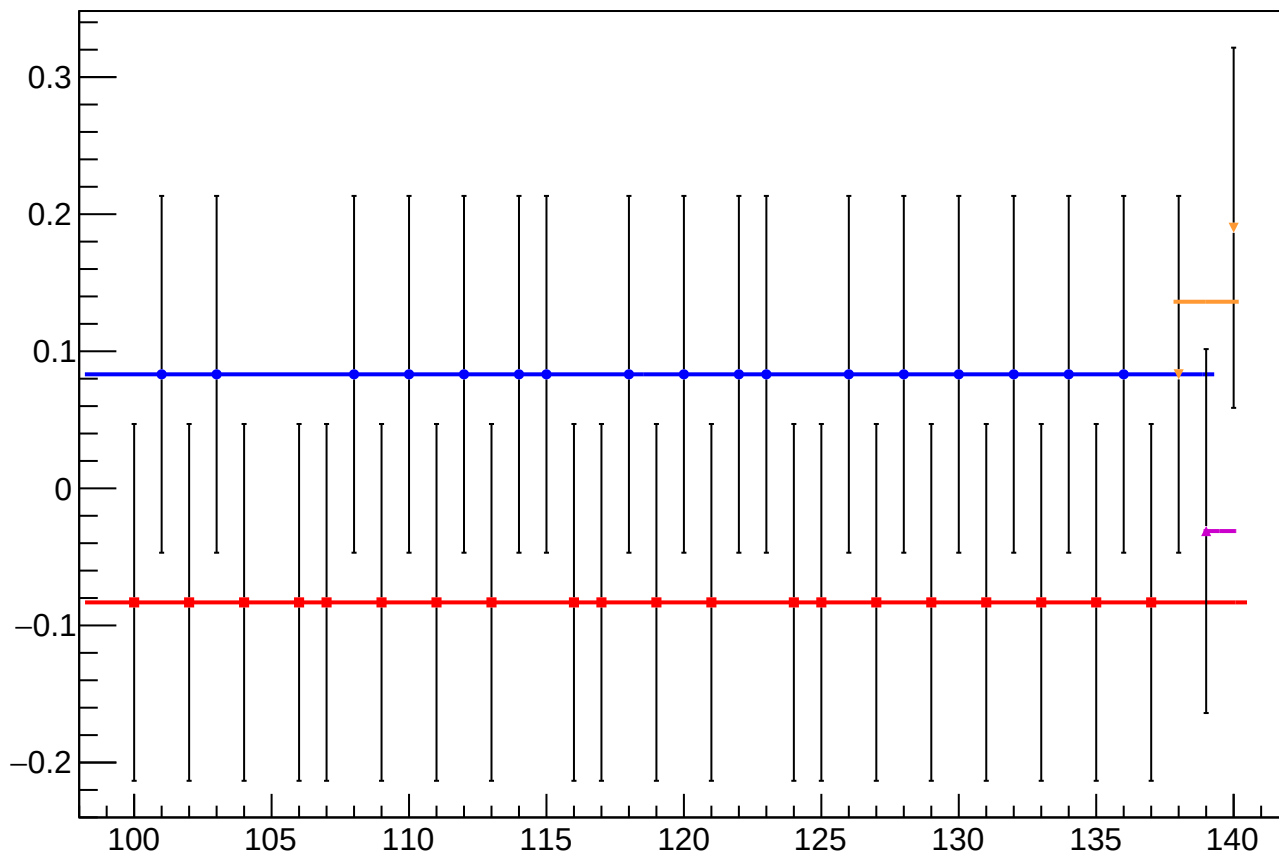
Left In: 0.015 ± 0.004 χ^2/NDF : 0.0/0

-0.010 ± 0.002 χ^2/NDF : 18.3/17

0.001 ± 0.001 χ^2/NDF : 12018.2/37

0.013 ± 0.002 χ^2/NDF : 11894.4/19

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.083 $\pm$ 0.032 χ^2/NDF : 0.0/16

Left Out: 0.136 $\pm$ 0.092 χ^2/NDF : 0.3/1

Right Out: -0.083 $\pm$ 0.029 χ^2/NDF : 0.0/19

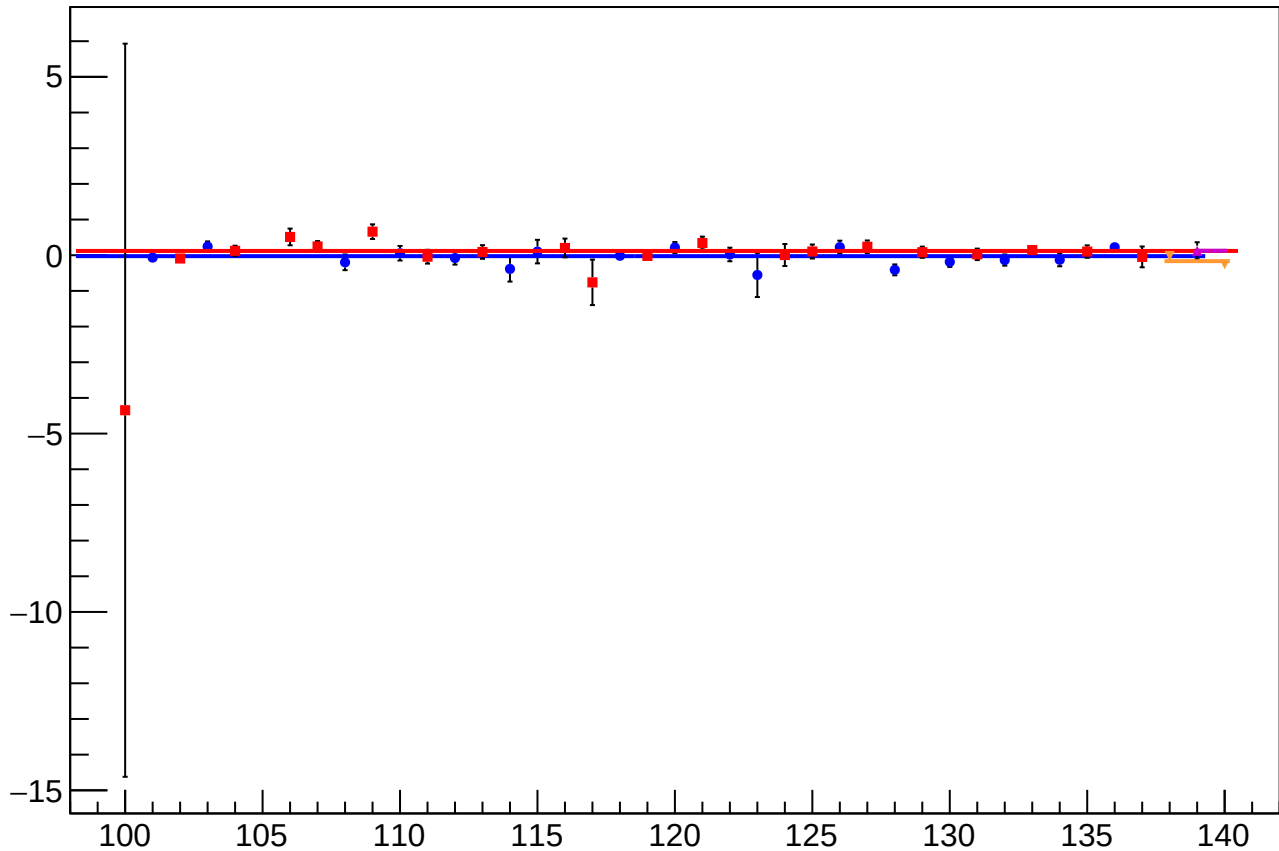
Left In: -0.031 $\pm$ 0.133 χ^2/NDF : 0.0/0

0.089 $\pm$ 0.030 χ^2/NDF : 0.6/18

-0.000 $\pm$ 0.021 χ^2/NDF : 17.7/39

-0.081 $\pm$ 0.028 χ^2/NDF : 0.1/20

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 $\pm$ 0.037 χ^2 /NDF: 22.7/16

Left Out: -0.166 $\pm$ 0.086 χ^2 /NDF: 1.7/1

Right Out: 0.120 $\pm$ 0.039 χ^2 /NDF: 20.2/19

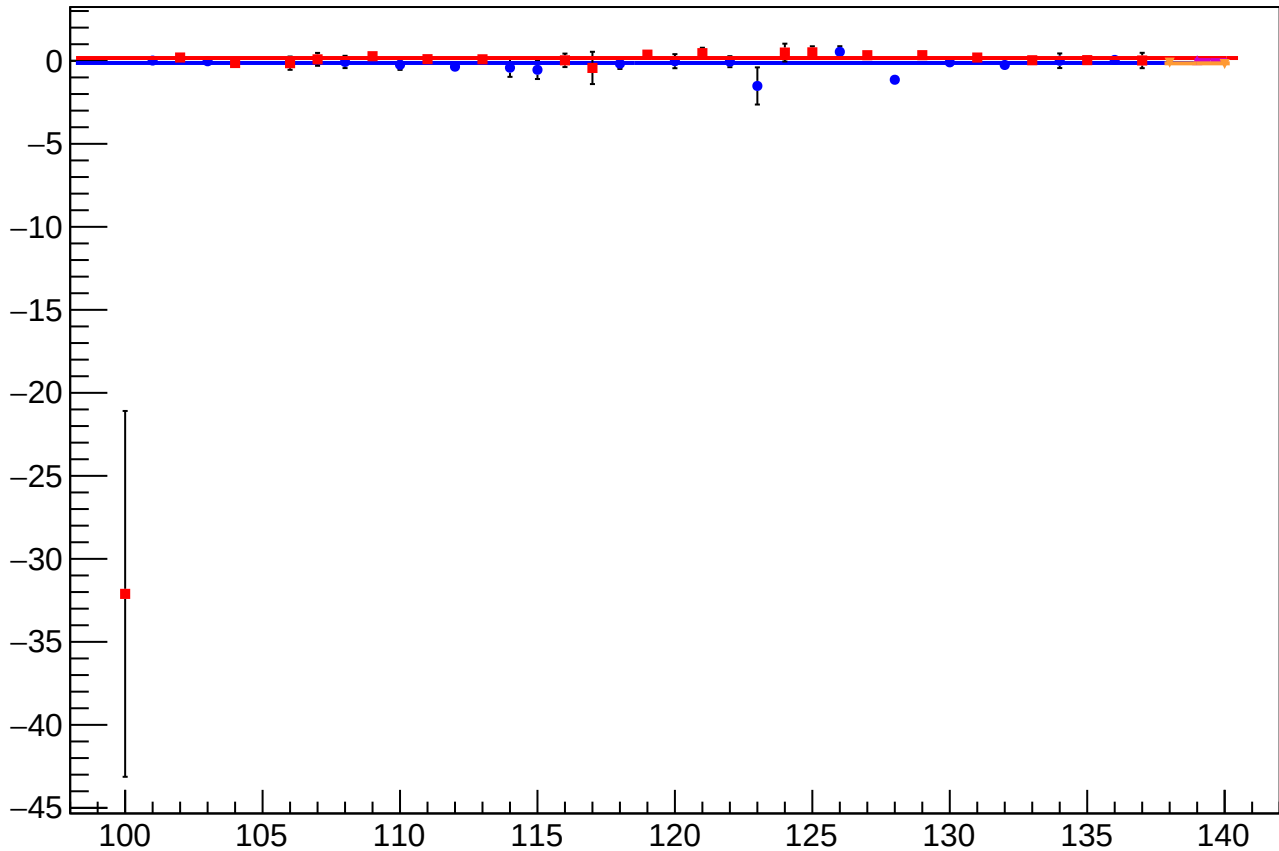
Left In: 0.126 $\pm$ 0.238 χ^2 /NDF: 0.0/0

-0.048 $\pm$ 0.034 χ^2 /NDF: 26.7/18

0.025 $\pm$ 0.025 χ^2 /NDF: 57.6/39

0.120 $\pm$ 0.039 χ^2 /NDF: 20.2/20

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: -0.152 ± 0.099 χ^2/NDF : 0.2/1

Right Out: 0.169 ± 0.071 χ^2/NDF : 15.3/19

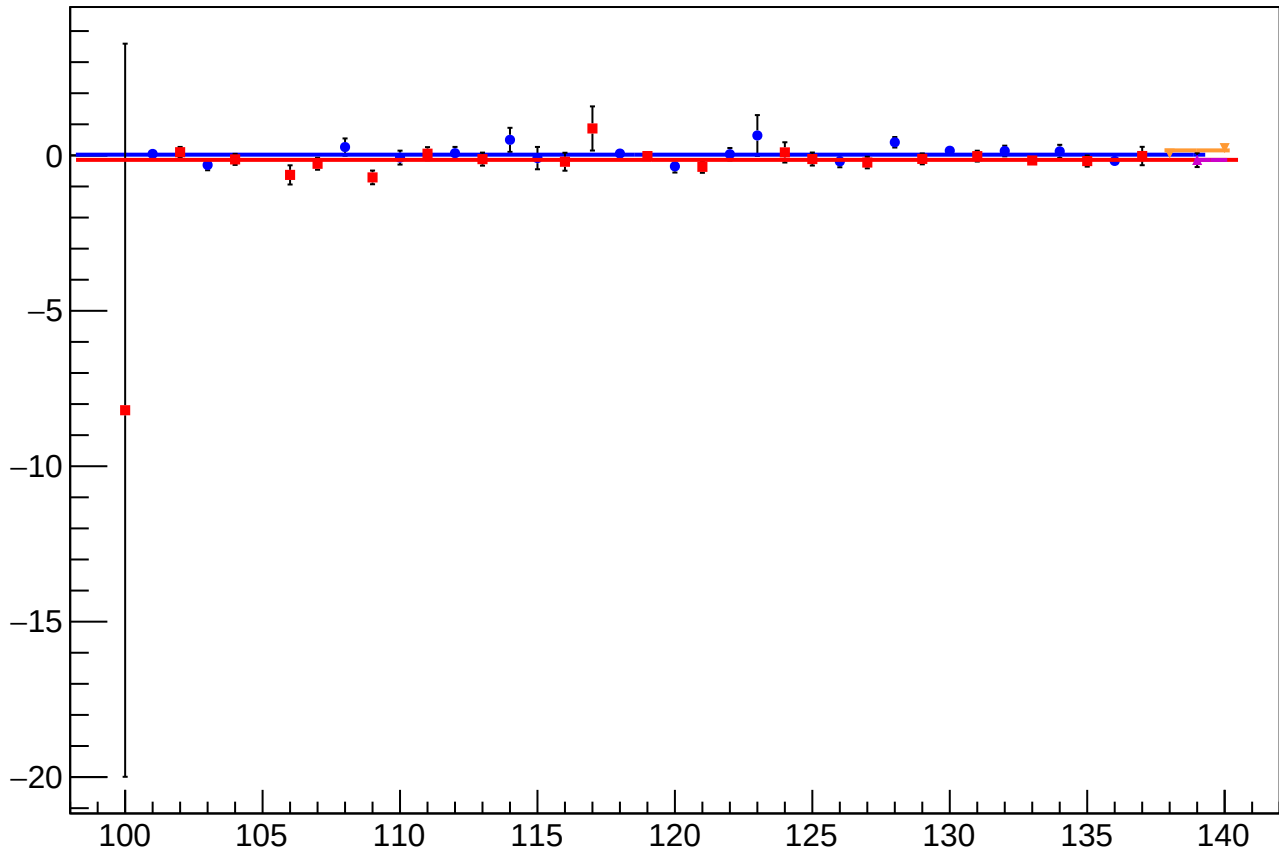
Left In: 0.042 ± 0.144 χ^2/NDF : 0.0/0

-0.137 ± 0.056 χ^2/NDF : 23.3/18

-0.015 ± 0.042 χ^2/NDF : 50.3/39

0.144 ± 0.064 χ^2/NDF : 15.9/20

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 ± 0.043 $\chi^2/\text{NDF}: 21.3/16$

Left Out: 0.161 ± 0.100 $\chi^2/\text{NDF}: 0.8/1$

Right Out: -0.144 ± 0.045 $\chi^2/\text{NDF}: 18.6/19$

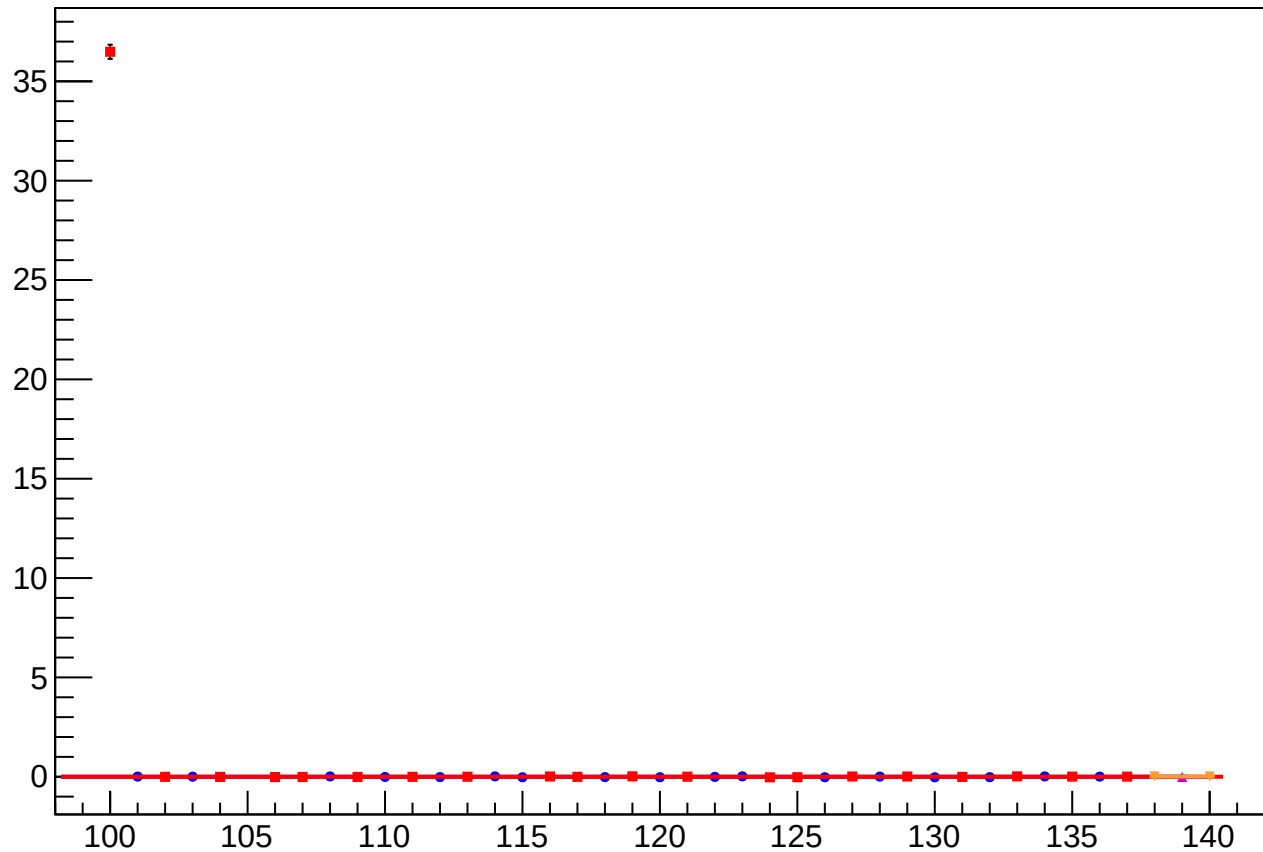
Left In: -0.146 ± 0.229 $\chi^2/\text{NDF}: 0.0/0$

0.044 ± 0.039 $\chi^2/\text{NDF}: 23.7/18$

-0.038 ± 0.029 $\chi^2/\text{NDF}: 52.4/39$

-0.144 ± 0.044 $\chi^2/\text{NDF}: 18.6/20$

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: 0.012 $\pm$ 0.004 χ^2 /NDF: 0.0/1

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

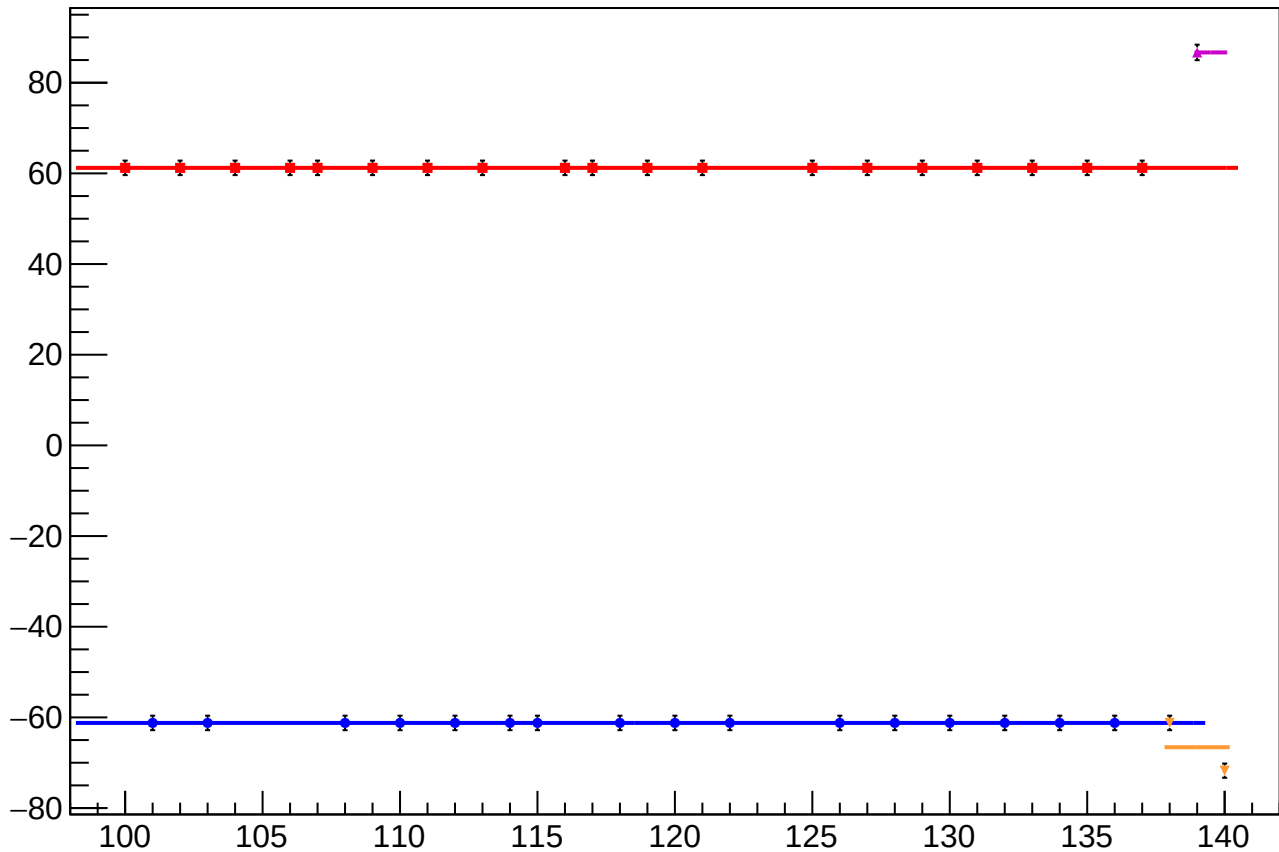
Left In: -0.011 $\pm$ 0.005 χ^2 /NDF: 0.0/0

0.004 $\pm$ 0.002 χ^2 /NDF: 35.6/18

0.001 $\pm$ 0.001 χ^2 /NDF: 10493.3/39

-0.003 $\pm$ 0.002 χ^2 /NDF: 10452.6/20

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -61.220 $\pm$ 0.400 χ^2 /NDF: 0.0/15

Left Out: -66.579 $\pm$ 1.123 χ^2 /NDF:22.0/1

Right Out: 61.220 $\pm$ 0.368 χ^2 /NDF: 0.0/18

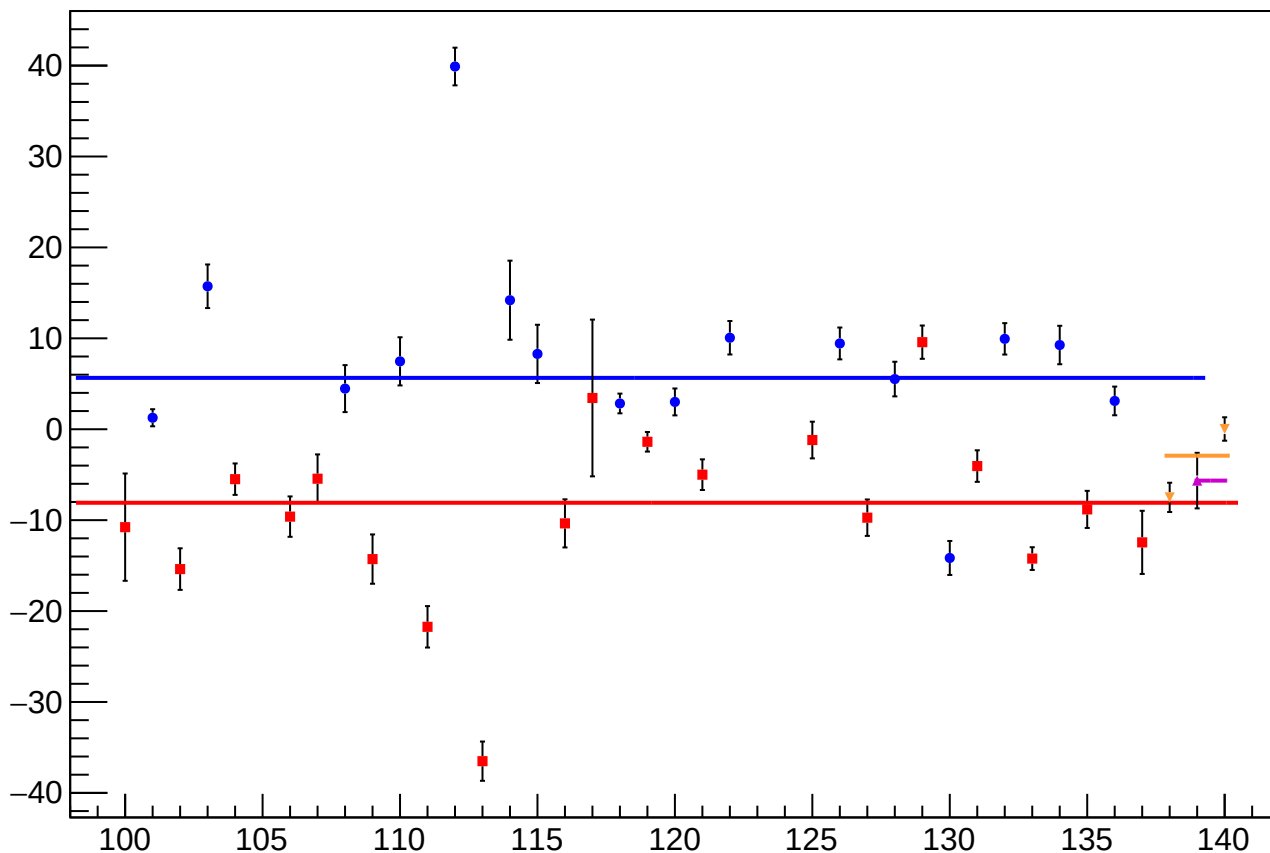
Left In: 86.679 $\pm$ 1.713 χ^2 /NDF:0.0/0

-61.825 $\pm$ 0.377 χ^2 /NDF: 42.2/17

3.269 $\pm$ 0.260 χ^2 /NDF: 57056.7/37

62.341 $\pm$ 0.359 χ^2 /NDF: 211.2/19

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: -2.909 ± 1.006 χ^2/NDF : 13.3/1

Right Out: -8.087 ± 0.452 χ^2/NDF : 409.7/18

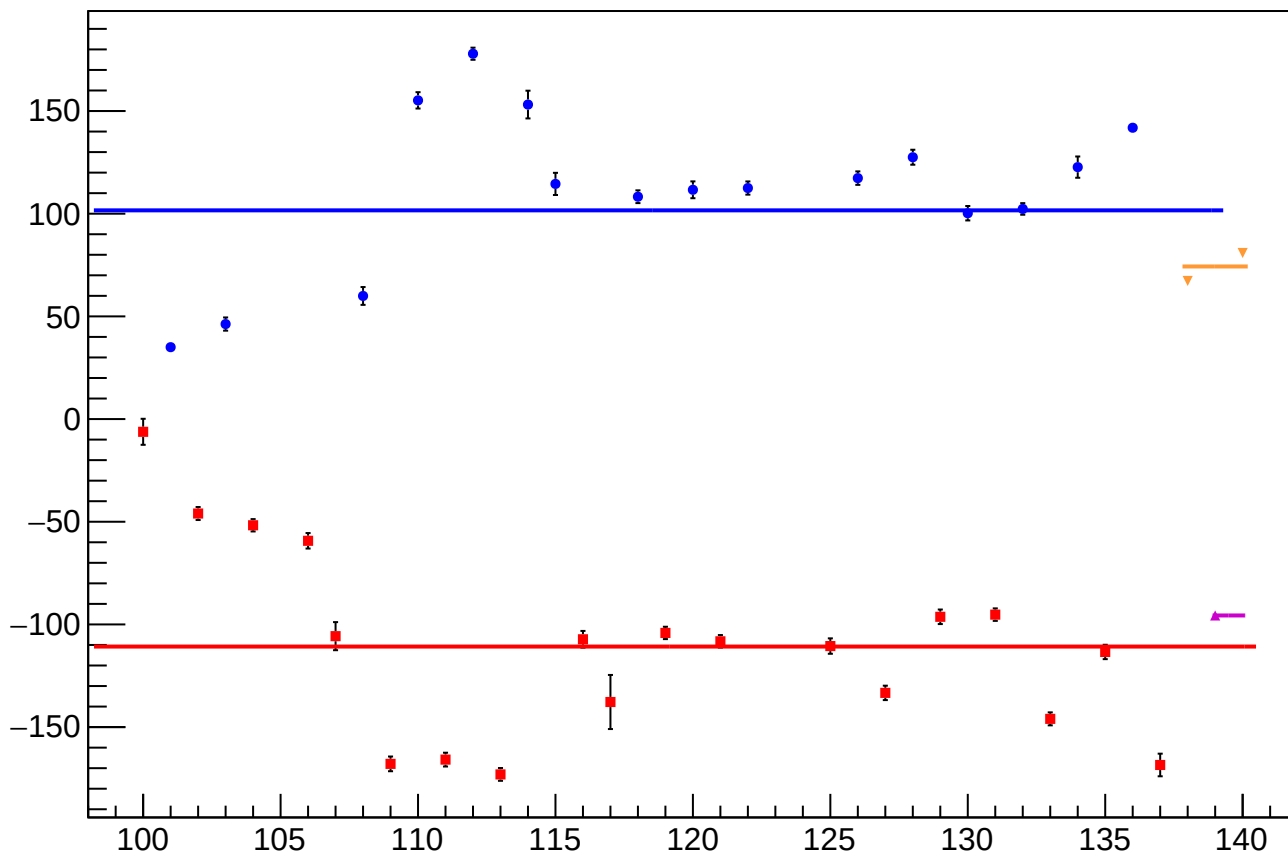
Left In: -5.650 ± 3.057 χ^2/NDF : 0.0/0

4.334 ± 0.395 χ^2/NDF : 536.4/17

-1.085 ± 0.296 χ^2/NDF : 1376.8/37

-8.035 ± 0.447 χ^2/NDF : 410.3/19

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 ± 0.812 χ^2/NDF : 2980.2/15

Left Out: 74.305 ± 1.206 χ^2/NDF : 31.8/1

Right Out: -110.778 ± 0.834 χ^2/NDF : 2518.3/18

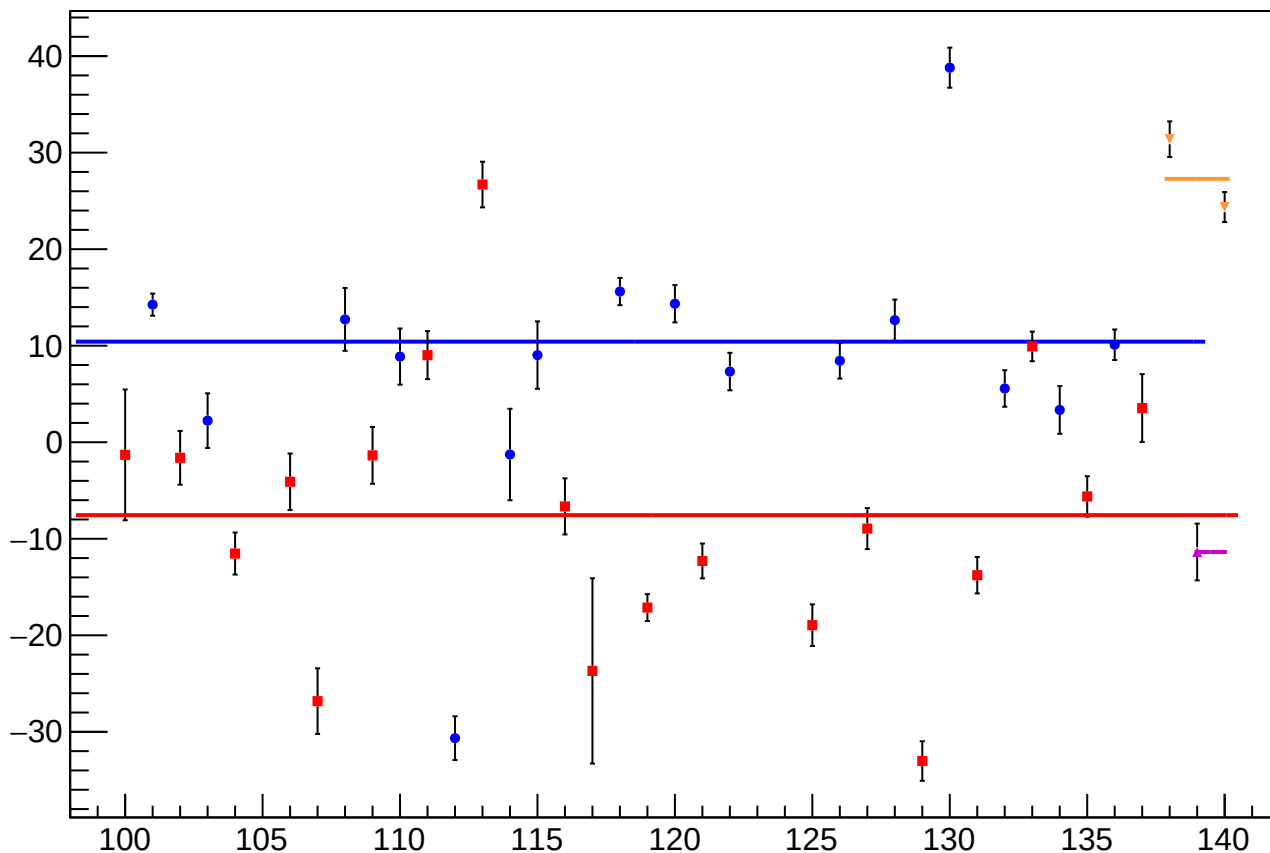
Left In: -95.635 ± 1.857 χ^2/NDF : 0.0/0

93.105 ± 0.674 χ^2/NDF : 3365.3/17

4.678 ± 0.504 χ^2/NDF : 45180.0/37

-108.235 ± 0.761 χ^2/NDF : 2573.6/19

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 $\pm$ 0.497 χ^2/NDF : 579.7/15

Left Out: 27.282 $\pm$ 1.189 χ^2/NDF : 8.5/1

Right Out: -7.550 $\pm$ 0.522 χ^2/NDF : 692.3/18

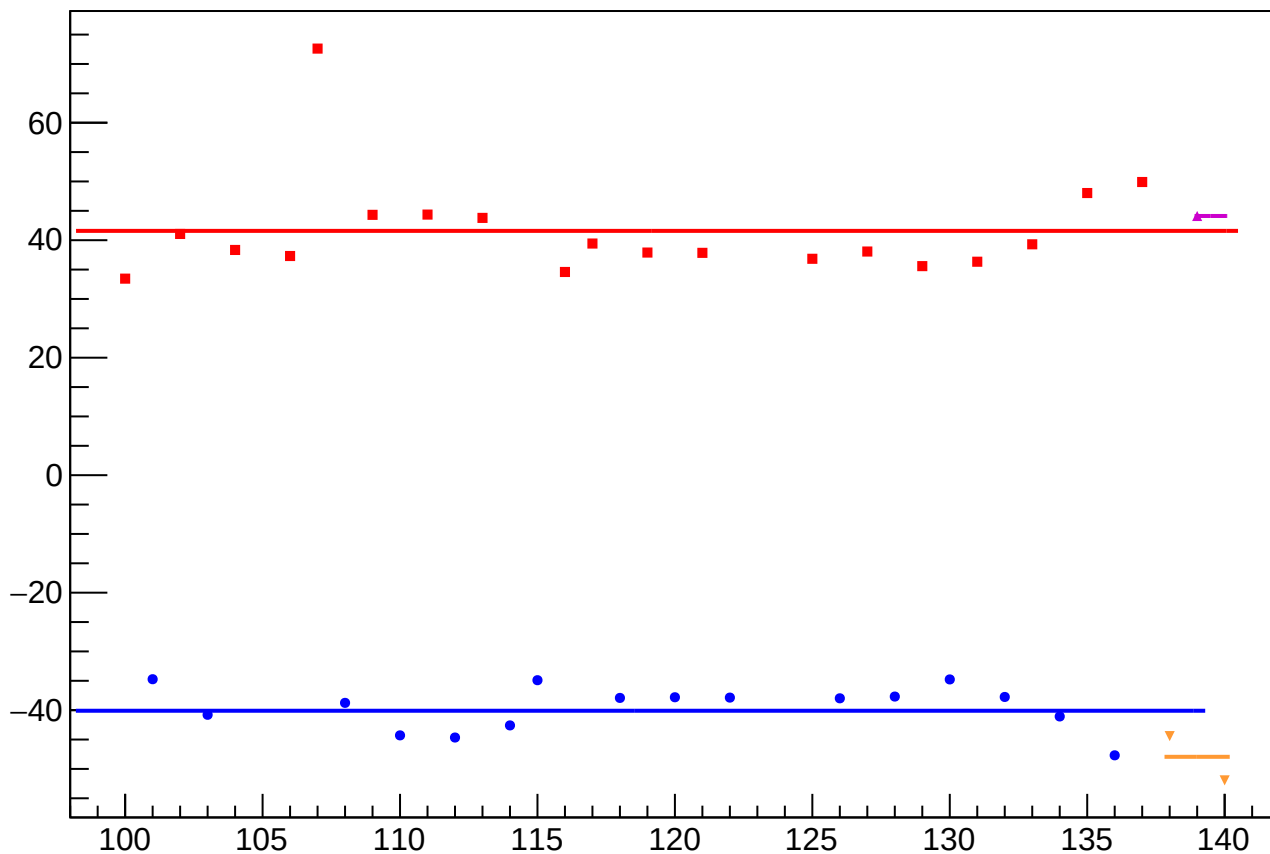
Left In: -11.369 $\pm$ 2.940 χ^2/NDF : 0.0/0

12.930 $\pm$ 0.459 χ^2/NDF : 759.3/17

3.803 $\pm$ 0.342 χ^2/NDF : 2346.1/37

-7.667 $\pm$ 0.514 χ^2/NDF : 693.9/19

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -47.940 ± 0.050 χ^2/NDF : 5625.7/1

Right Out: 41.588 ± 0.029 χ^2/NDF : 61690.5/18

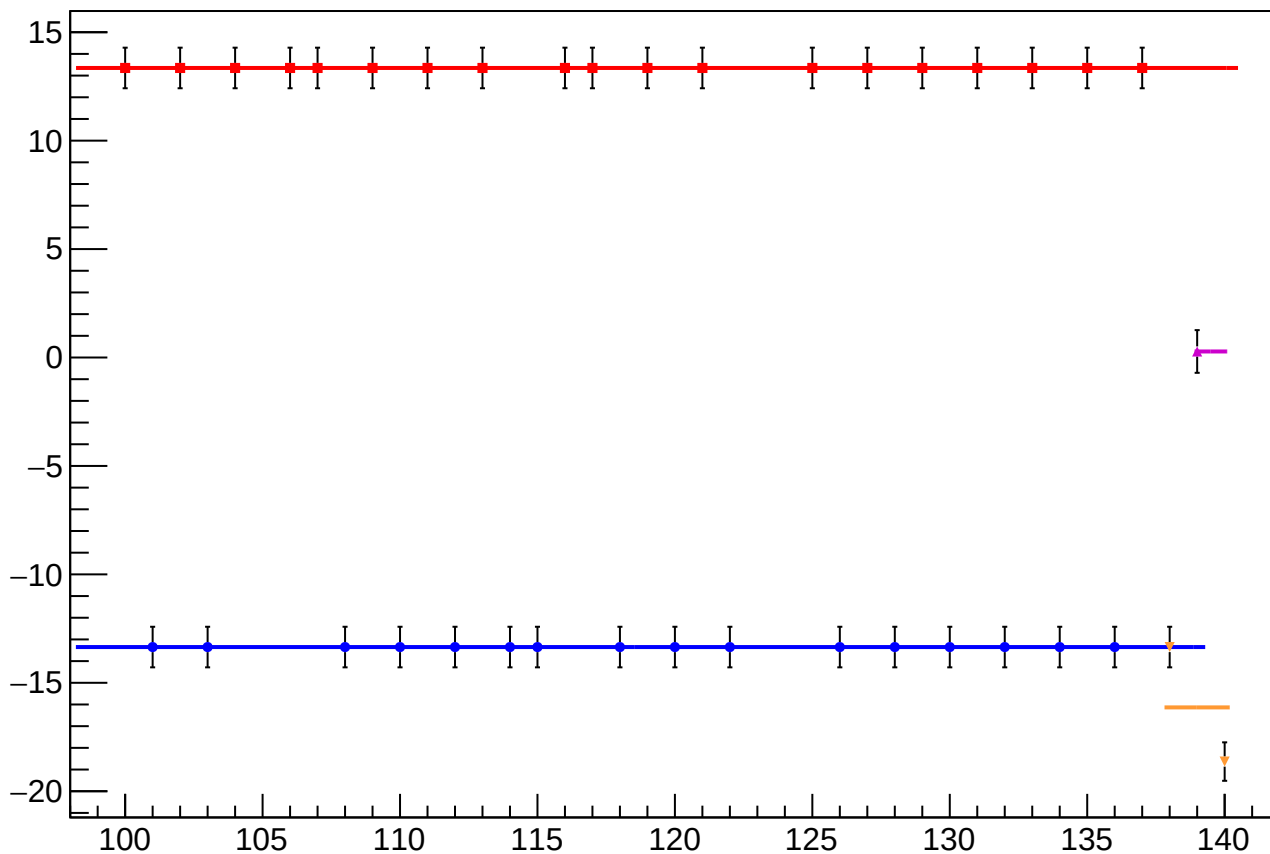
Left In: 44.124 ± 0.065 χ^2/NDF : 0.0/0

-41.997 ± 0.025 χ^2/NDF : 49263.2/17

-2.466 ± 0.018 χ^2/NDF : 5575512.1/37

41.999 ± 0.026 χ^2/NDF : 62969.4/19

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -13.352 ± 0.234 χ^2/NDF : 0.0/15

Left Out: -16.134 ± 0.644 χ^2/NDF : 16.8/1

Right Out: 13.352 ± 0.215 χ^2/NDF : 0.0/18

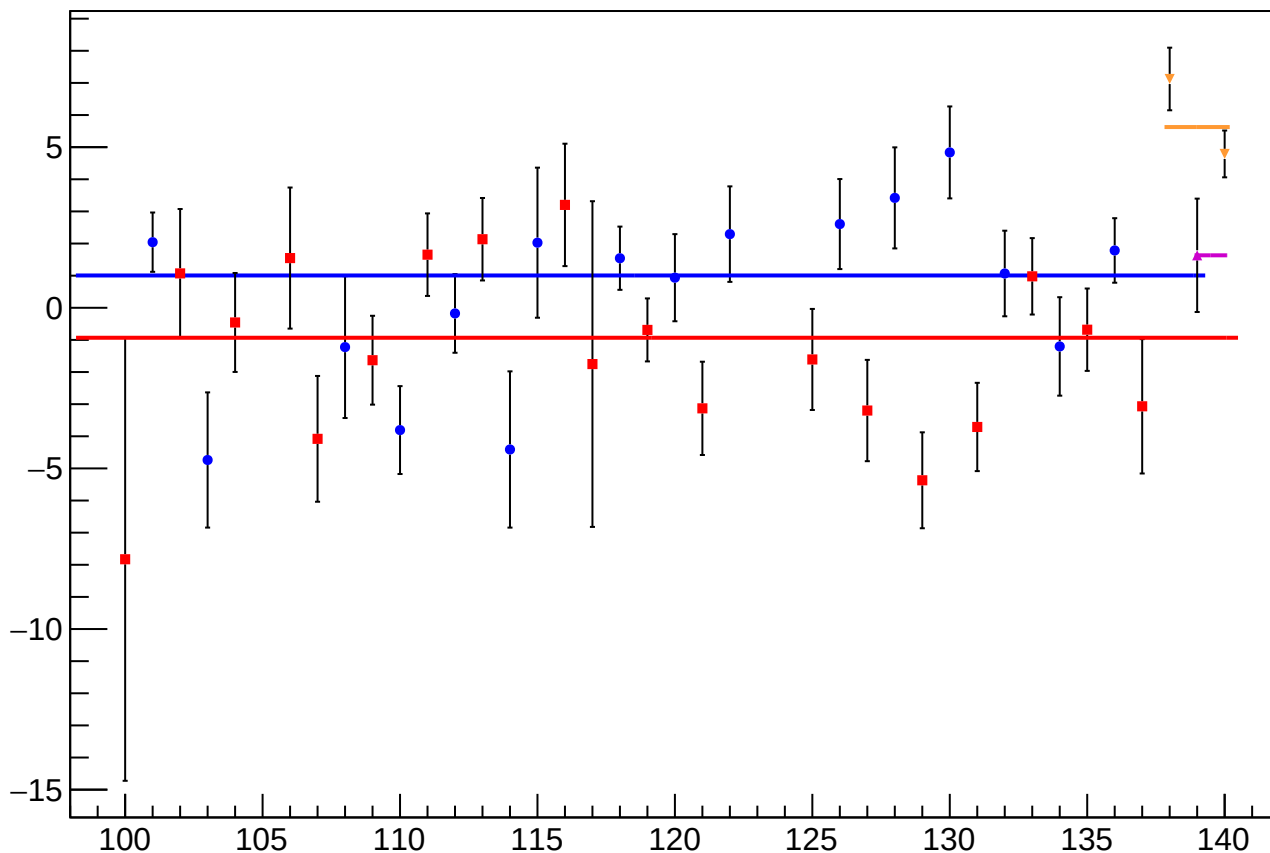
Left In: 0.278 ± 0.985 χ^2/NDF : 0.0/0

-13.676 ± 0.220 χ^2/NDF : 33.3/17

0.163 ± 0.152 χ^2/NDF : 7769.1/37

12.758 ± 0.210 χ^2/NDF : 168.3/19

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 $\pm$ 0.342 χ^2/NDF : 42.7/15

Left Out: 5.626 $\pm$ 0.584 χ^2/NDF : 3.7/1

Right Out: -0.933 $\pm$ 0.352 χ^2/NDF : 41.9/18

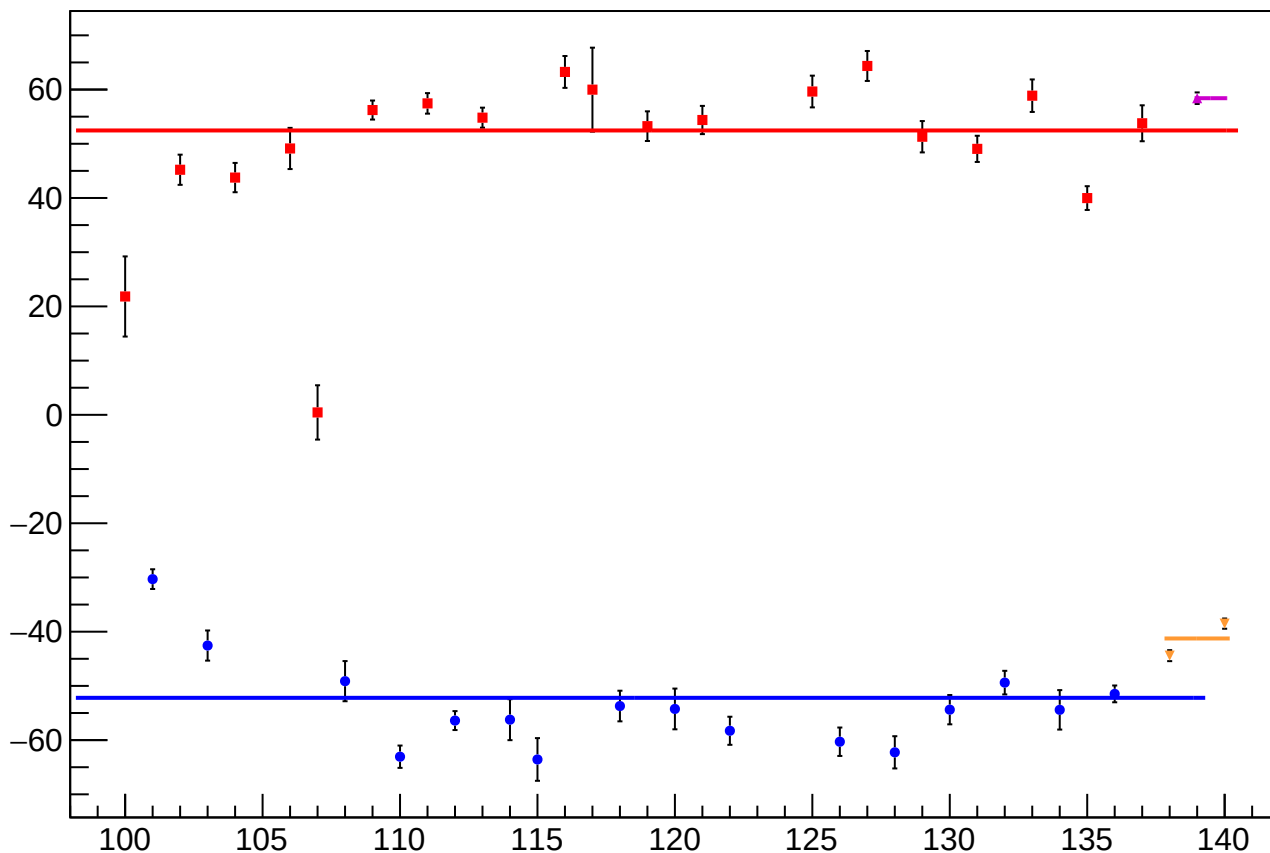
Left In: 1.633 $\pm$ 1.765 χ^2/NDF : 0.0/0

2.185 $\pm$ 0.295 χ^2/NDF : 93.1/17

0.913 $\pm$ 0.224 χ^2/NDF : 181.2/37

-0.834 $\pm$ 0.346 χ^2/NDF : 43.9/19

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: -41.253±/0.691 χ^2/NDF : 18.2/1

Right Out: 52.455±/0.614 χ^2/NDF : 234.8/18

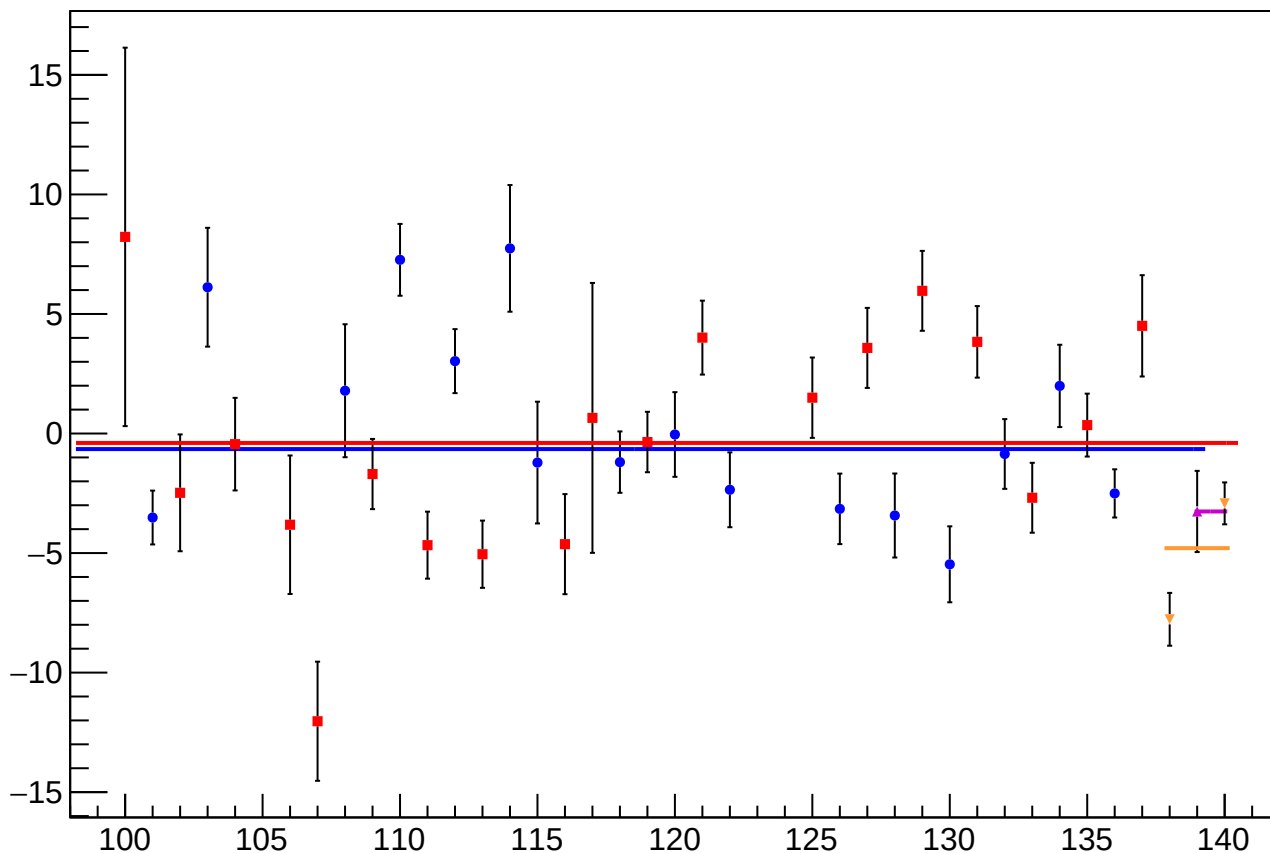
Left In: 58.405±/1.067 χ^2/NDF : 0.0/0

-47.367±/0.459 χ^2/NDF : 388.8/17

-4.120±/0.348 χ^2/NDF : 21412.0/37

53.935±/0.532 χ^2/NDF : 258.2/19

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: -4.795 ± 0.687 χ^2/NDF : 11.8/1

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

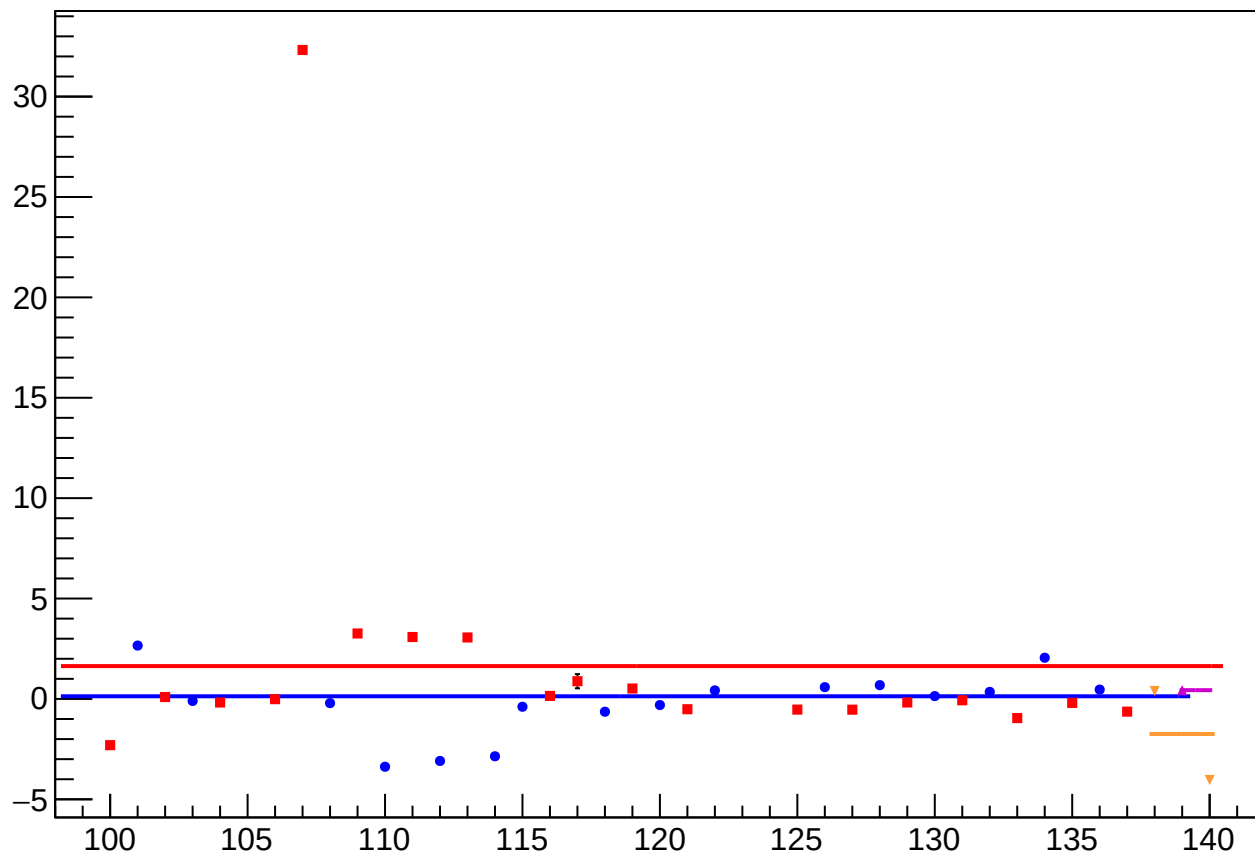
Left In: -3.260 ± 1.698 χ^2/NDF : 0.0/0

-1.649 ± 0.337 χ^2/NDF : 121.4/17

-1.174 ± 0.254 χ^2/NDF : 224.6/37

-0.544 ± 0.388 χ^2/NDF : 98.6/19

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.749 ± 0.029 $\chi^2/\text{NDF}: 6030.7/1$

Right Out: 1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

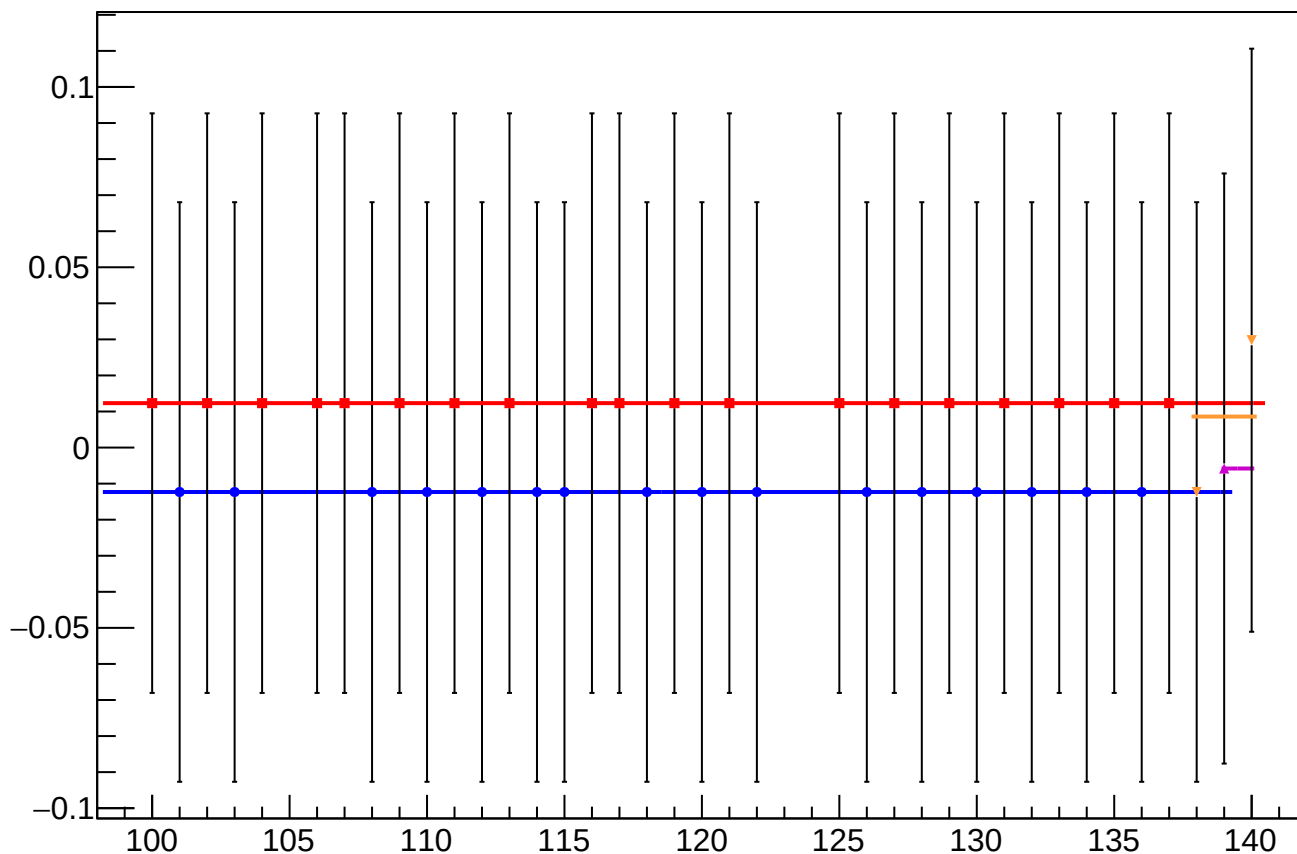
Left In: 0.436 ± 0.037 $\chi^2/\text{NDF}: 0.0/0$

-0.552 ± 0.017 $\chi^2/\text{NDF}: 14043.3/17$

0.305 ± 0.013 $\chi^2/\text{NDF}: 98114.3/37$

1.332 ± 0.019 $\chi^2/\text{NDF}: 78616.9/19$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.020 χ^2/NDF : 0.0/15

Left Out: 0.009 ± 0.057 χ^2/NDF : 0.1/1

Right Out: 0.012 ± 0.018 χ^2/NDF : 0.0/18

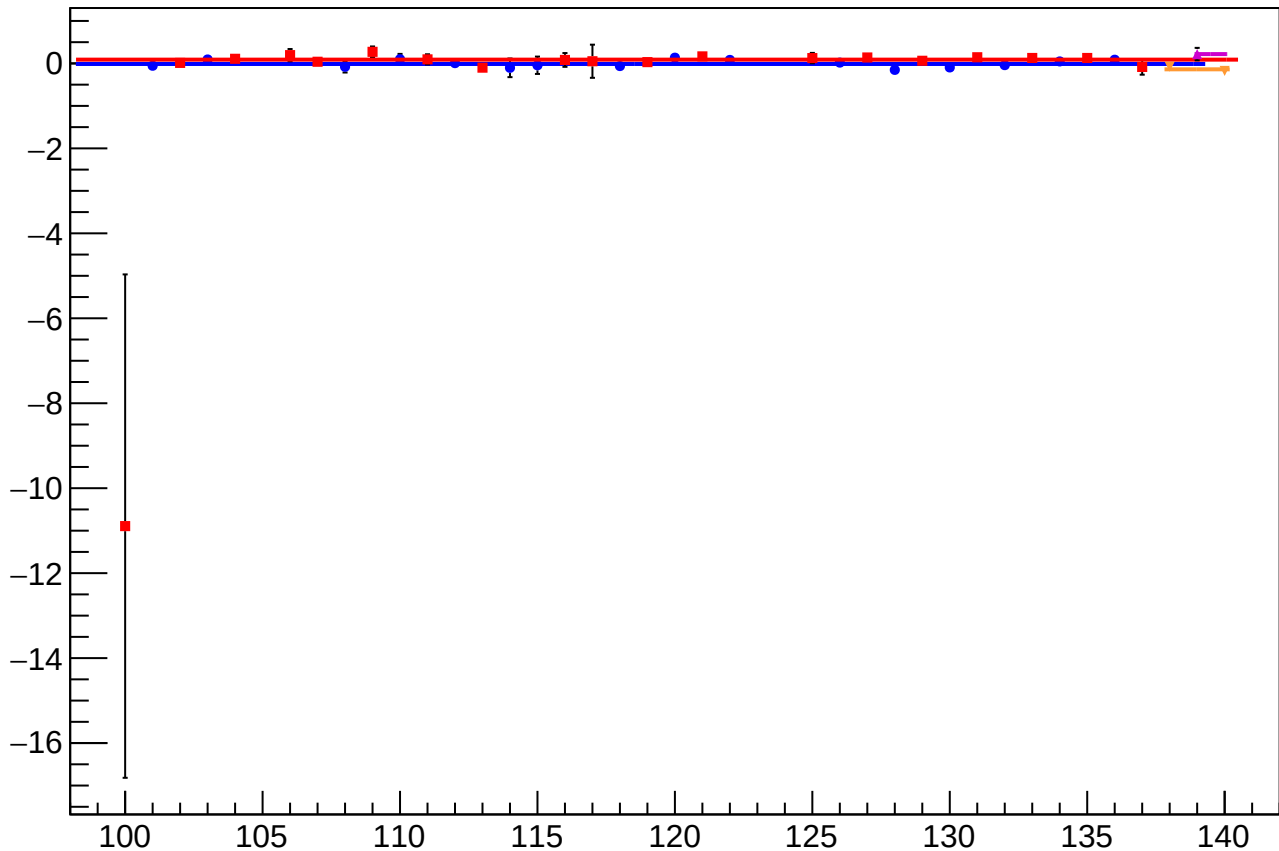
Left In: -0.006 ± 0.082 χ^2/NDF : 0.0/0

-0.010 ± 0.019 χ^2/NDF : 0.3/17

0.001 ± 0.013 χ^2/NDF : 1.0/37

0.011 ± 0.018 χ^2/NDF : 0.0/19

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: -0.139 $\pm$ 0.053 χ^2/NDF : 0.9/1

Right Out: 0.089 $\pm$ 0.025 χ^2/NDF : 13.0/18

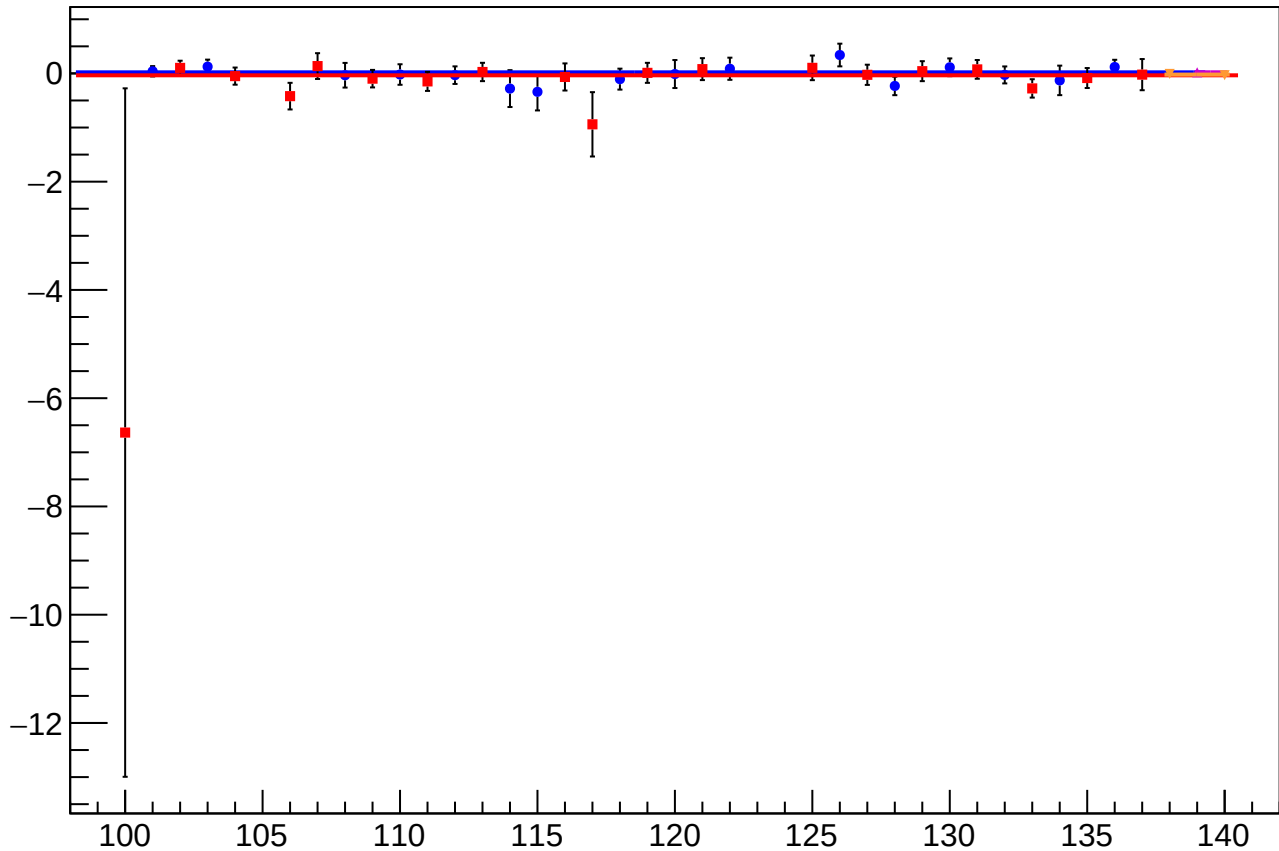
Left In: 0.220 $\pm$ 0.147 χ^2/NDF : 0.0/0

-0.034 $\pm$ 0.021 χ^2/NDF : 17.3/17

0.021 $\pm$ 0.016 χ^2/NDF : 46.2/37

0.093 $\pm$ 0.024 χ^2/NDF : 13.7/19

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 ± 0.043 χ^2/NDF : 9.1/15

Left Out: -0.022 ± 0.061 χ^2/NDF : 0.0/1

Right Out: -0.035 ± 0.045 χ^2/NDF : 11.6/18

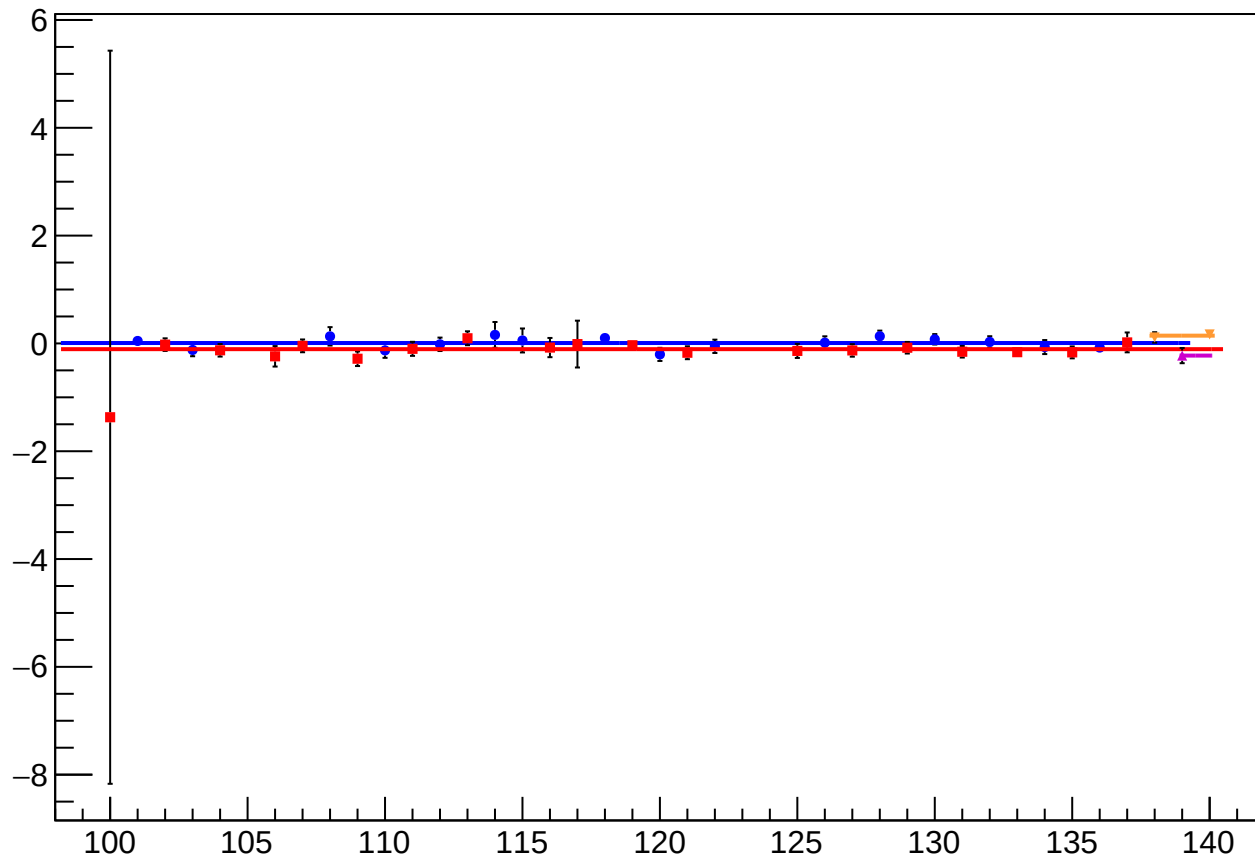
Left In: 0.021 ± 0.089 χ^2/NDF : 0.0/0

0.006 ± 0.035 χ^2/NDF : 9.4/17

-0.007 ± 0.026 χ^2/NDF : 21.6/37

-0.024 ± 0.040 χ^2/NDF : 11.9/19

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 ± 0.027 $\chi^2/\text{NDF}: 11.3/15$

Left Out: 0.144 ± 0.062 $\chi^2/\text{NDF}: 0.2/1$

Right Out: -0.106 ± 0.029 $\chi^2/\text{NDF}: 8.2/18$

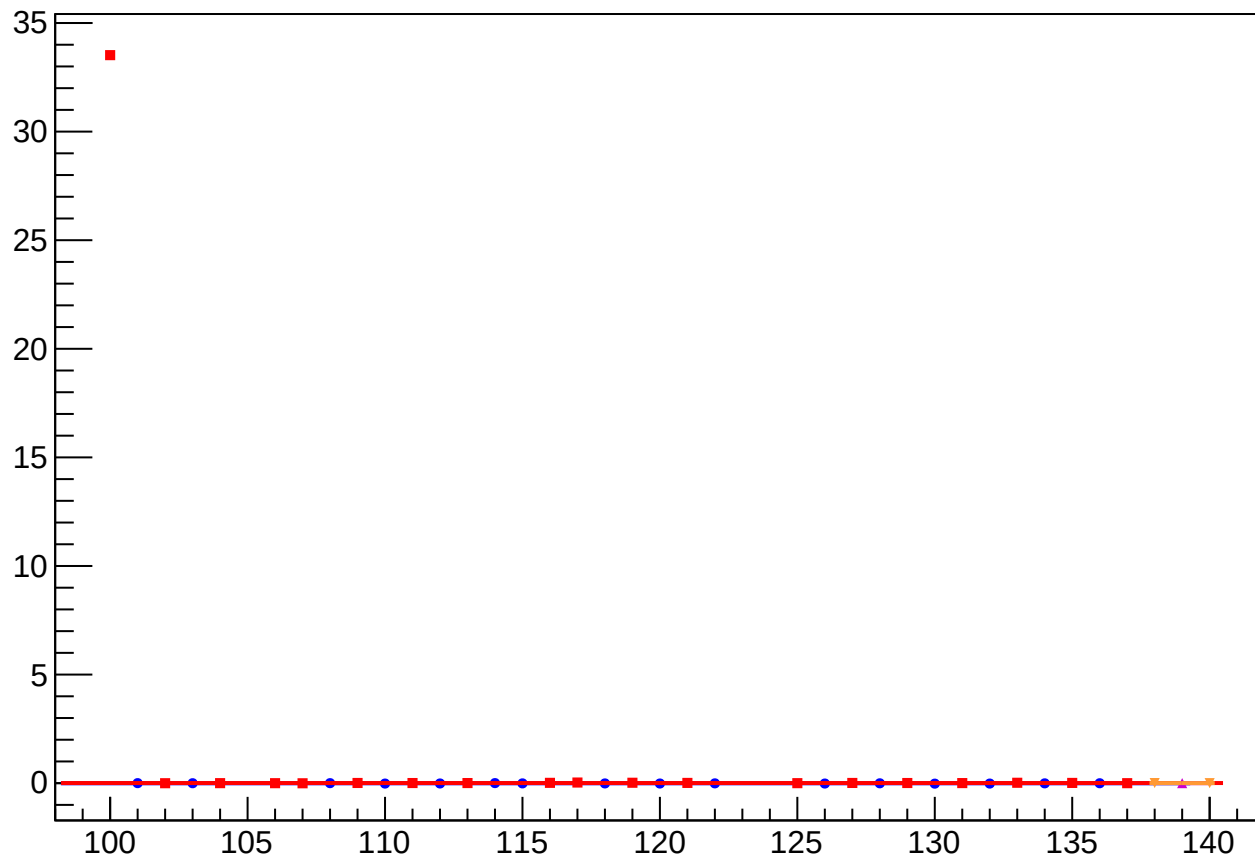
Left In: -0.226 ± 0.141 $\chi^2/\text{NDF}: 0.0/0$

0.030 ± 0.025 $\chi^2/\text{NDF}: 15.6/17$

-0.032 ± 0.019 $\chi^2/\text{NDF}: 38.6/37$

-0.111 ± 0.028 $\chi^2/\text{NDF}: 8.9/19$

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: 0.003 ± 0.003 χ^2/NDF : 0.7/1

Right Out: 0.006 ± 0.001 χ^2/NDF : 26509.5/18

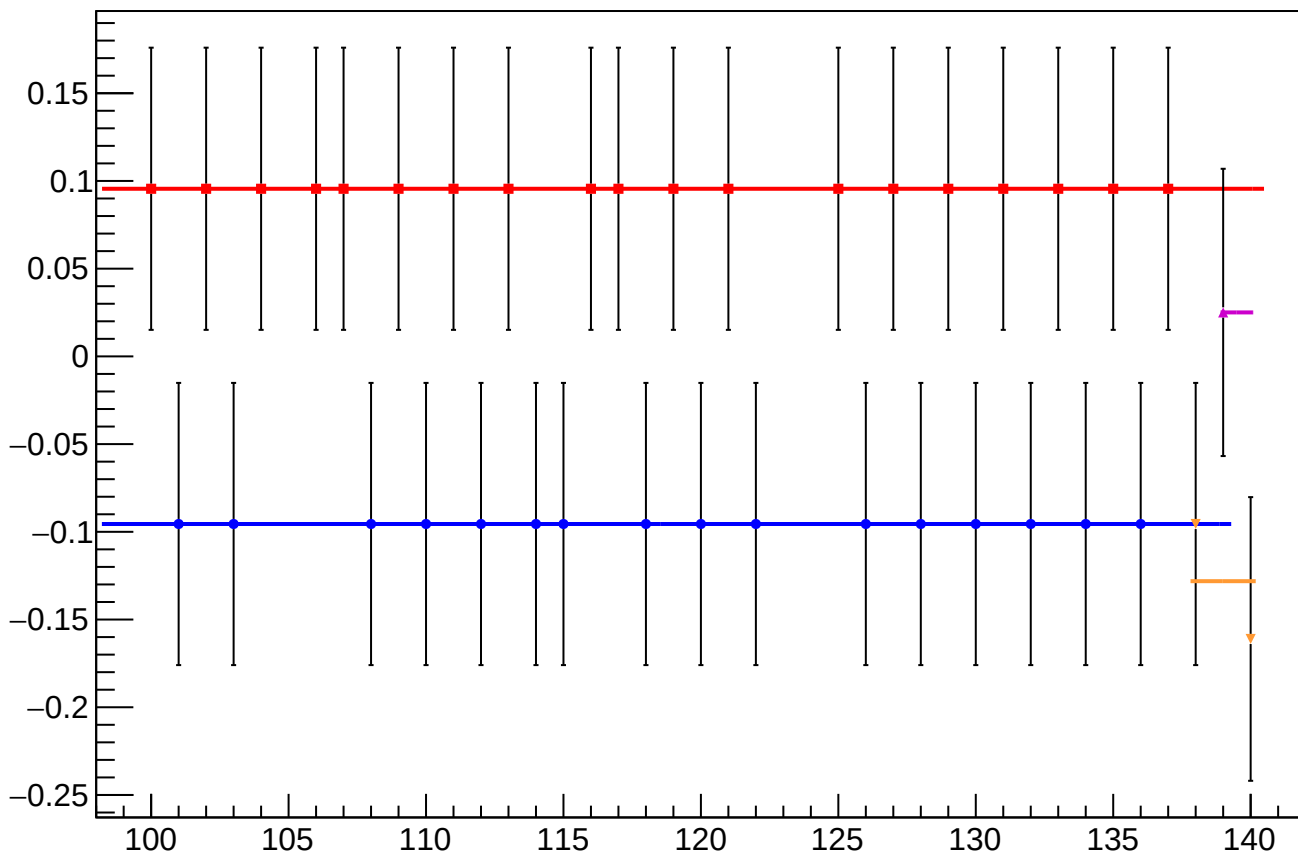
Left In: 0.001 ± 0.003 χ^2/NDF : 0.0/0

-0.003 ± 0.001 χ^2/NDF : 31.0/17

0.001 ± 0.001 χ^2/NDF : 26563.3/37

0.005 ± 0.001 χ^2/NDF : 26511.2/19

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.096 ± 0.020 χ^2/NDF : 0.0/15

Left Out: -0.128 ± 0.057 χ^2/NDF : 0.3/1

Right Out: 0.096 ± 0.018 χ^2/NDF : 0.0/18

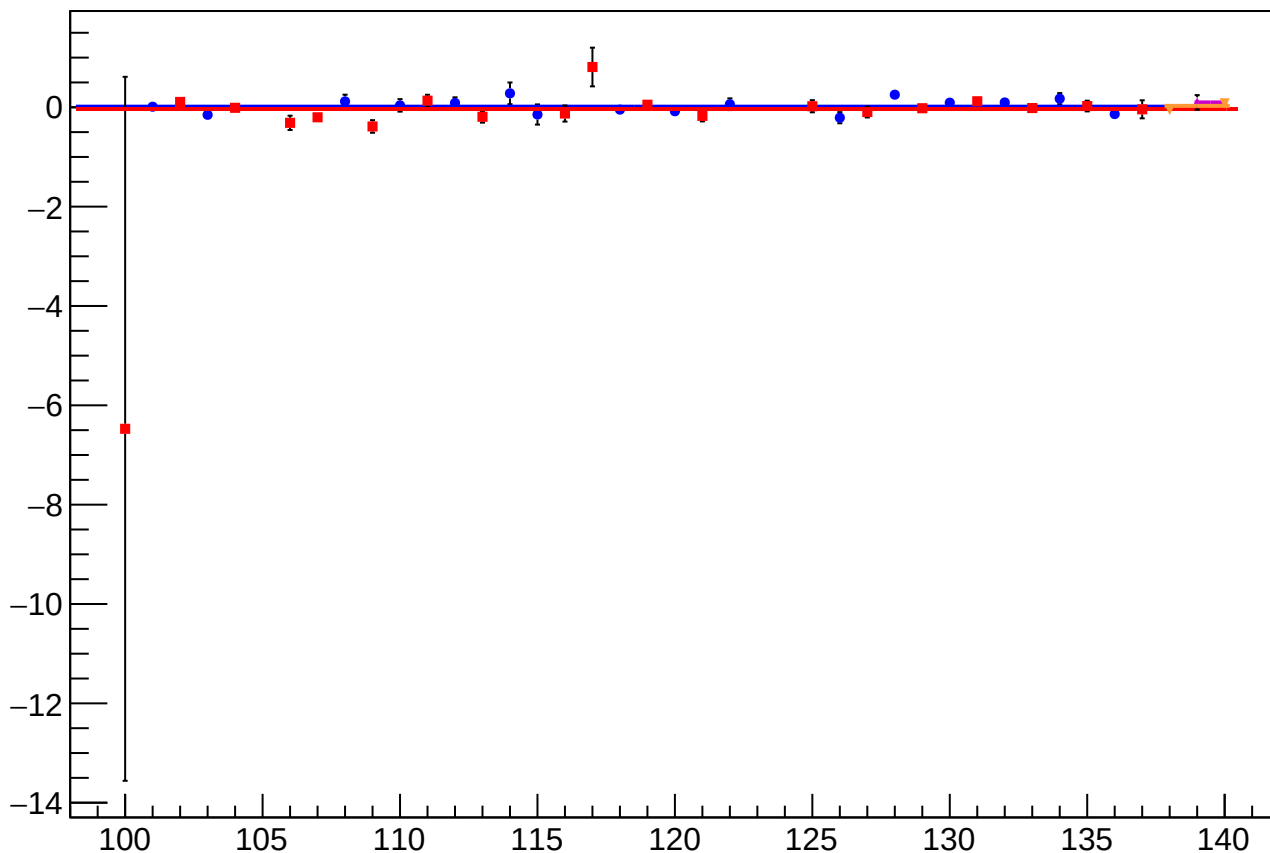
Left In: 0.025 ± 0.082 χ^2/NDF : 0.0/0

-0.099 ± 0.019 χ^2/NDF : 0.6/17

0.001 ± 0.013 χ^2/NDF : 54.9/37

0.092 ± 0.018 χ^2/NDF : 0.7/19

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: 0.029 $\pm$ 0.053 χ^2 /NDF: 1.5/1

Right Out: -0.035 $\pm$ 0.025 χ^2 /NDF: 33.2/18

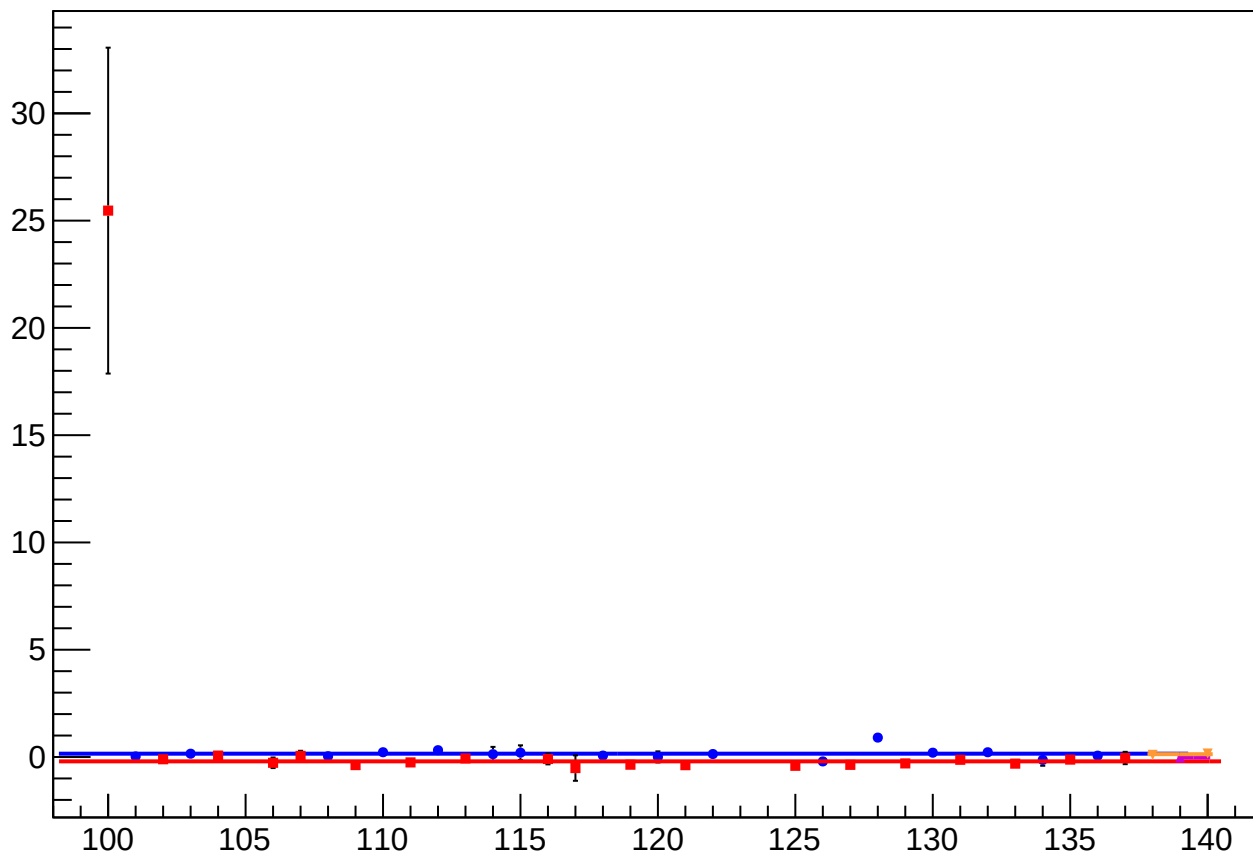
Left In: 0.098 $\pm$ 0.147 χ^2 /NDF: 0.0/0

0.015 $\pm$ 0.021 χ^2 /NDF: 26.6/17

-0.005 $\pm$ 0.016 χ^2 /NDF: 62.6/37

-0.031 $\pm$ 0.024 χ^2 /NDF: 34.0/19

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 ± 0.043 χ^2/NDF : 27.9/15

Left Out: 0.131 ± 0.061 χ^2/NDF : 0.3/1

Right Out: -0.203 ± 0.045 χ^2/NDF : 22.9/18

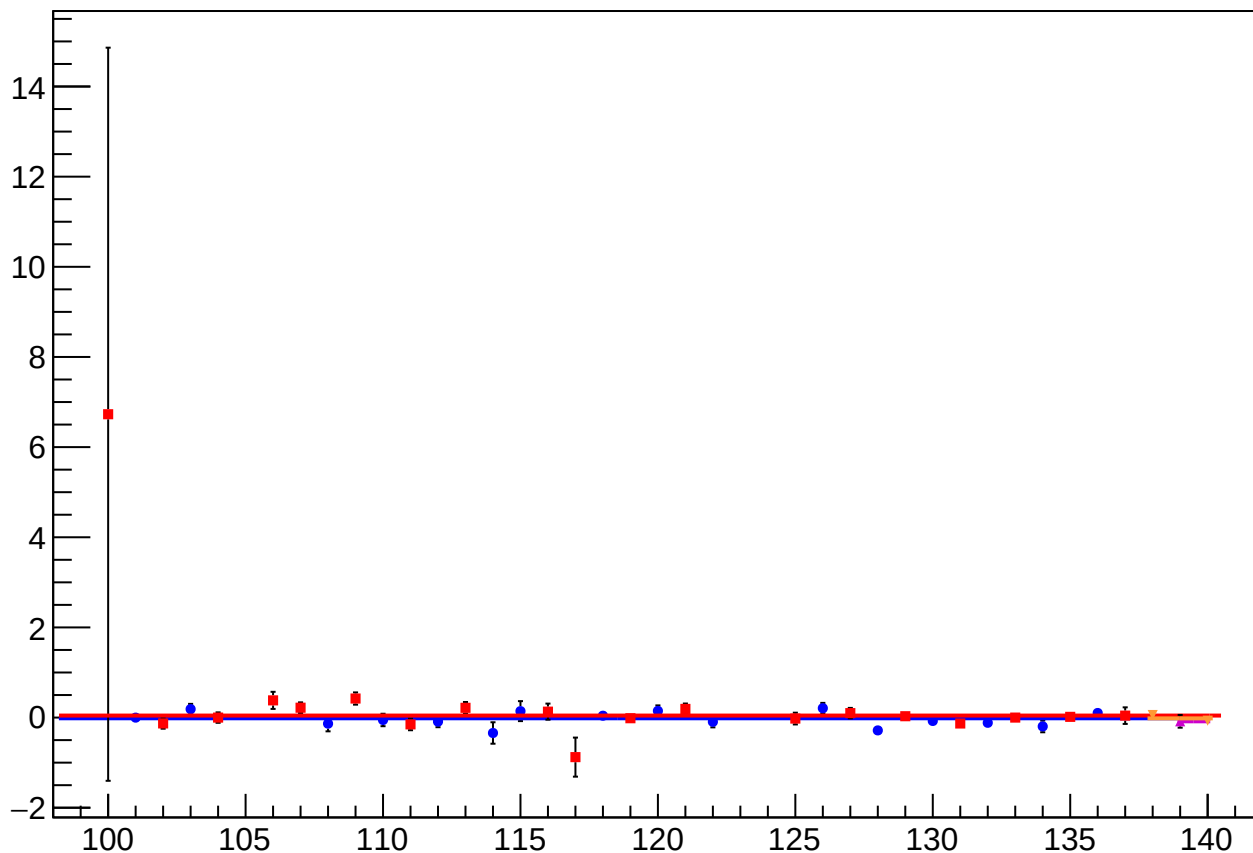
Left In: -0.021 ± 0.089 χ^2/NDF : 0.0/0

0.147 ± 0.035 χ^2/NDF : 28.3/17

0.011 ± 0.026 χ^2/NDF : 88.9/37

-0.166 ± 0.040 χ^2/NDF : 26.2/19

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 $\pm$ 0.027 χ^2 /NDF: 24.3/15

Left Out: -0.018 $\pm$ 0.062 χ^2 /NDF:1.0/1

Right Out: 0.044 $\pm$ 0.029 χ^2 /NDF: 30.5/18

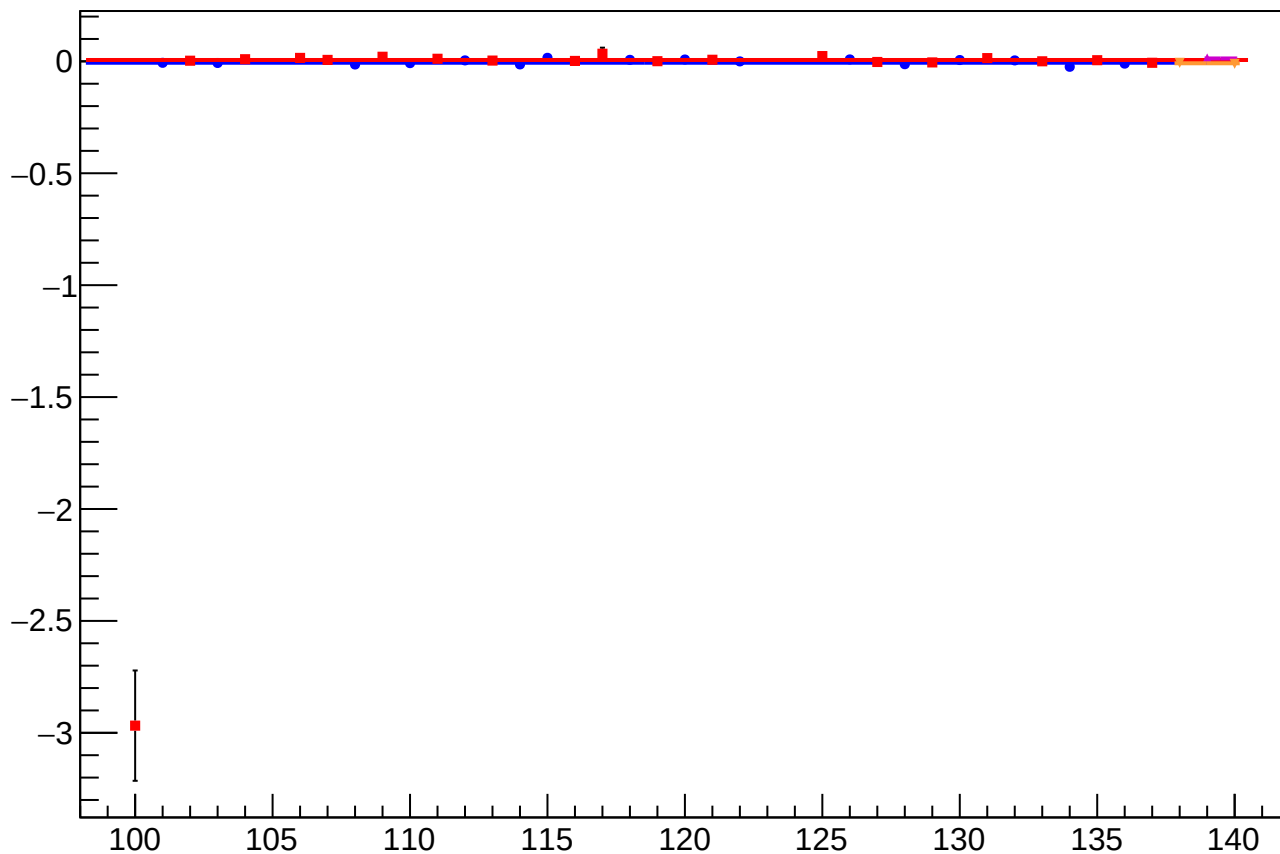
Left In: -0.083 $\pm$ 0.141 χ^2 /NDF:0.0/0

-0.016 $\pm$ 0.025 χ^2 /NDF: 25.3/17

0.008 $\pm$ 0.019 χ^2 /NDF: 58.8/37

0.039 $\pm$ 0.028 χ^2 /NDF: 31.3/19

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2/NDF : 27.3/15

Left Out: -0.009+/-0.003 χ^2/NDF : 0.8/1

Right Out: 0.006+/-0.001 χ^2/NDF : 167.0/18

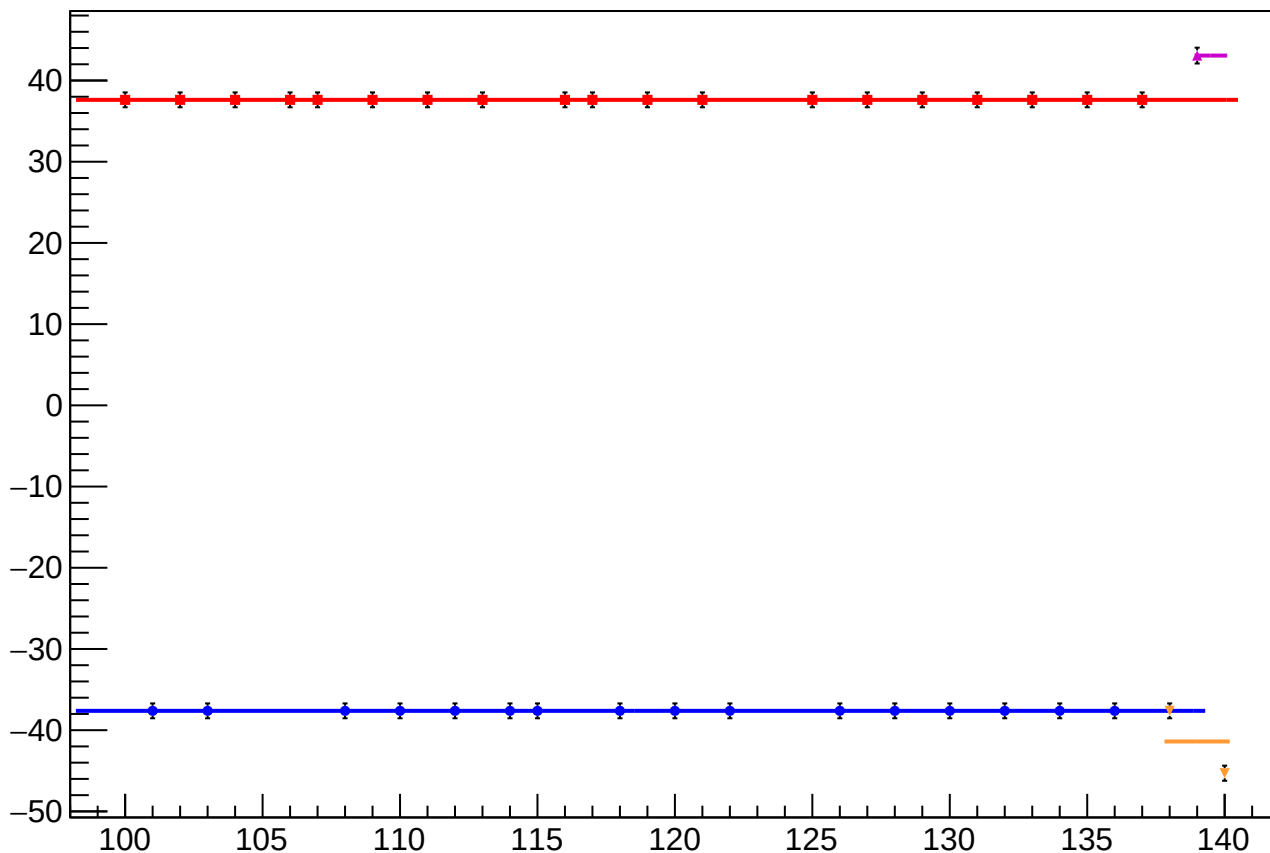
Left In: 0.013+/-0.003 χ^2/NDF : 0.0/0

-0.007+/-0.001 χ^2/NDF : 28.8/17

-0.000+/-0.001 χ^2/NDF : 259.3/37

0.007+/-0.001 χ^2/NDF : 170.9/19

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -37.618 ± 0.229 $\chi^2/\text{NDF}: 0.0/15$

Left Out: -41.390 ± 0.654 $\chi^2/\text{NDF}: 34.5/1$

Right Out: 37.618 ± 0.210 $\chi^2/\text{NDF}: 0.0/18$

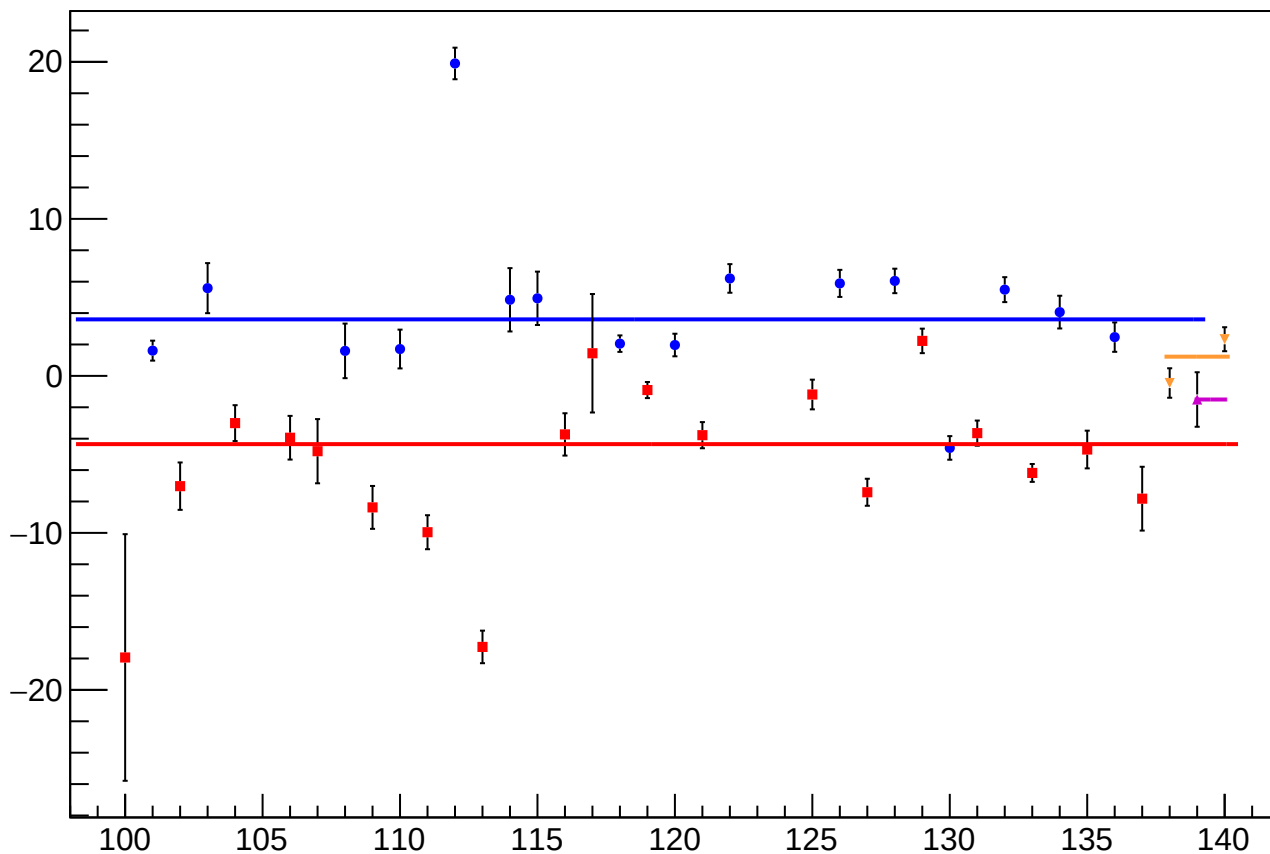
Left In: 43.070 ± 0.974 $\chi^2/\text{NDF}: 0.0/0$

-38.031 ± 0.216 $\chi^2/\text{NDF}: 64.2/17$

1.840 ± 0.149 $\chi^2/\text{NDF}: 64823.6/37$

37.861 ± 0.206 $\chi^2/\text{NDF}: 29.9/19$

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: 1.224+/-0.593 χ^2/NDF : 5.3/1

Right Out: -4.347+/-0.224 χ^2/NDF : 355.4/18

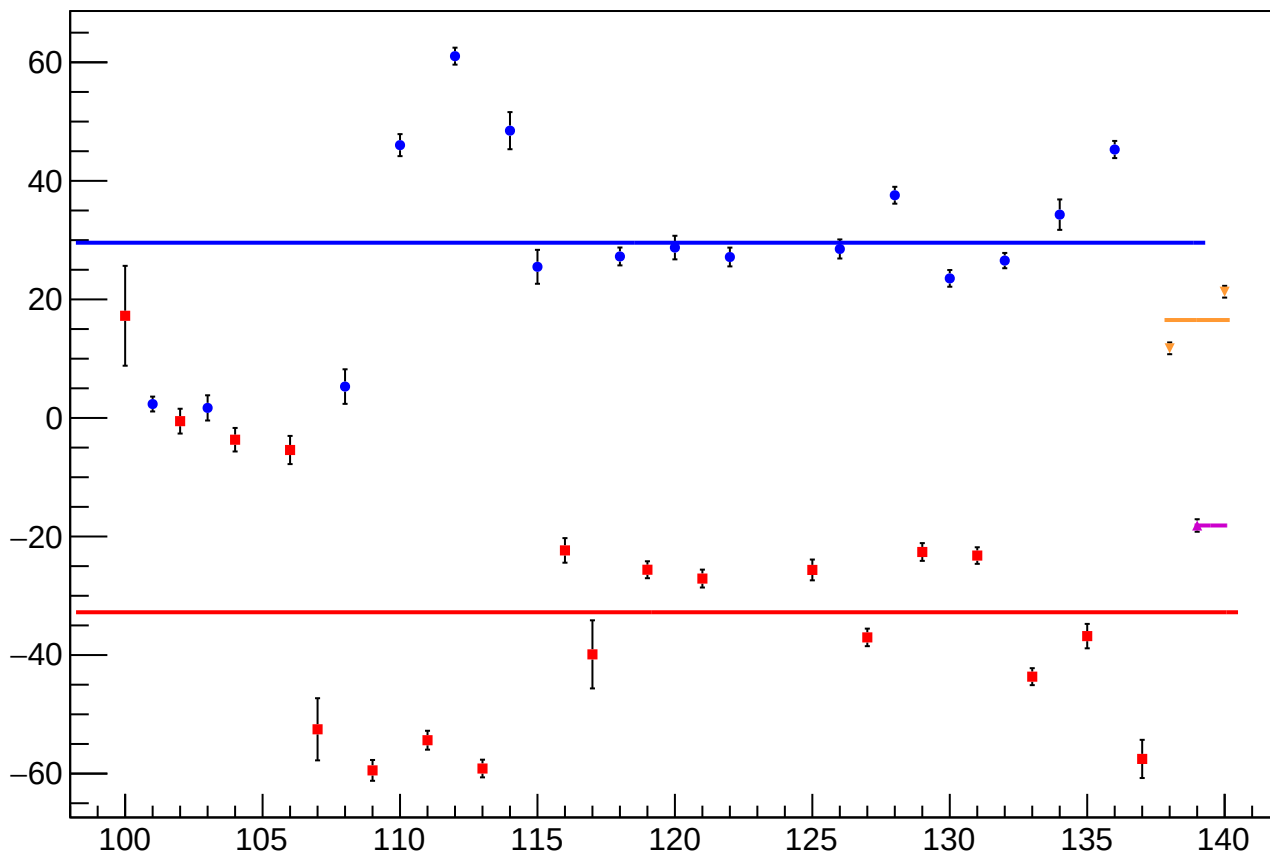
Left In: -1.505+/-1.737 χ^2/NDF : 0.0/0

3.310+/-0.207 χ^2/NDF : 462.8/17

-0.211+/-0.151 χ^2/NDF : 1449.2/37

-4.300+/-0.223 χ^2/NDF : 358.1/19

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564+/-0.420 χ^2/NDF : 1494.6/15

Left Out: 16.523+/-0.703 χ^2/NDF : 46.2/1

Right Out: -32.780+/-0.422 χ^2/NDF : 1664.8/18

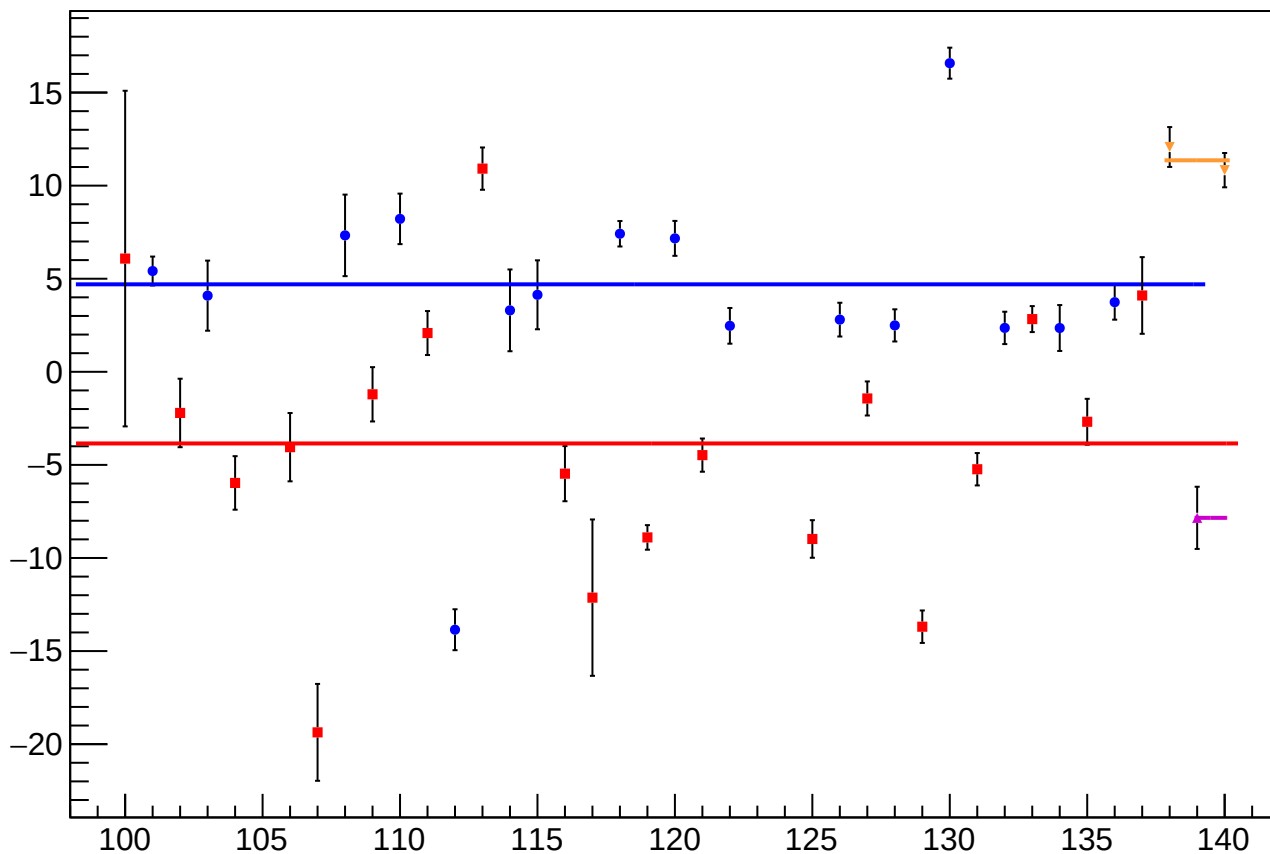
Left In: -18.142+/-1.057 χ^2/NDF : 0.0/0

26.135+/-0.360 χ^2/NDF : 1794.8/17

0.055+/-0.265 χ^2/NDF : 15064.4/37

-30.769+/-0.392 χ^2/NDF : 1830.4/19

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 $\pm$ 0.254 χ^2/NDF : 548.9/15

Left Out: 11.360 $\pm$ 0.698 χ^2/NDF : 0.8/1

Right Out: -3.848 $\pm$ 0.258 χ^2/NDF : 571.5/18

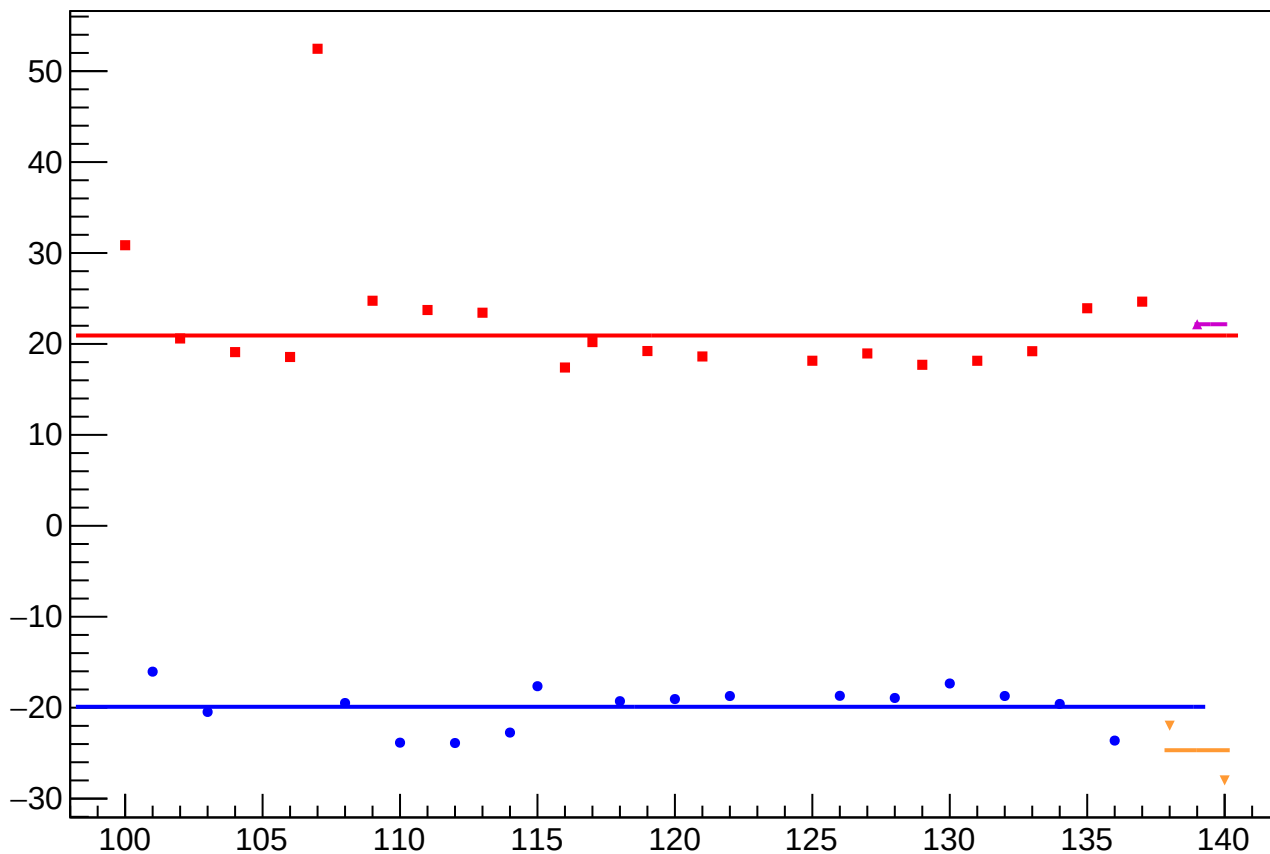
Left In: -7.844 $\pm$ 1.670 χ^2/NDF : 0.0/0

5.478 $\pm$ 0.239 χ^2/NDF : 630.1/17

1.077 $\pm$ 0.174 χ^2/NDF : 1934.4/37

-3.941 $\pm$ 0.255 χ^2/NDF : 577.1/19

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: -24.677 ± 0.029 $\chi^2/\text{NDF}: 10615.1/1$

Right Out: 20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

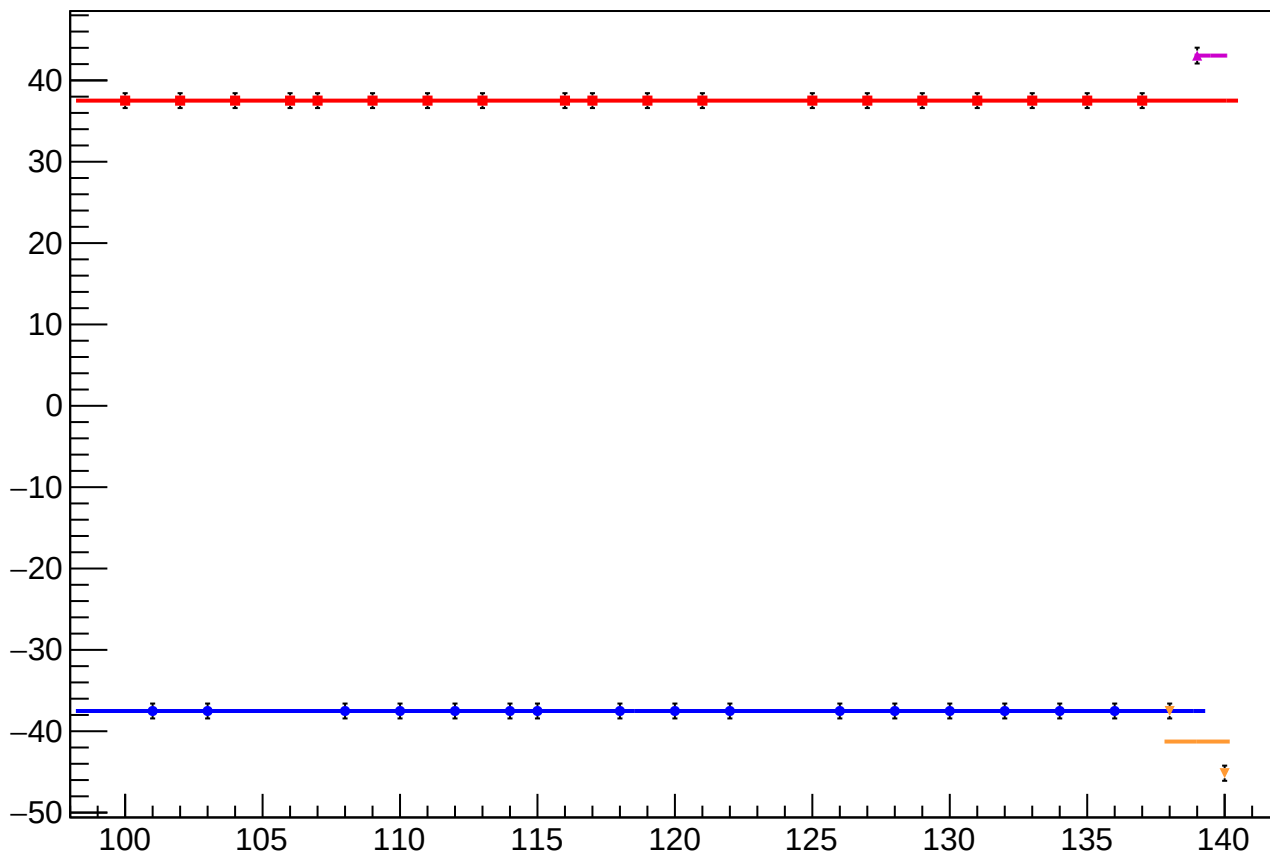
Left In: 22.166 ± 0.037 $\chi^2/\text{NDF}: 0.0/0$

-20.977 ± 0.014 $\chi^2/\text{NDF}: 57621.6/17$

-0.916 ± 0.010 $\chi^2/\text{NDF}: 4602431.3/37$

21.118 ± 0.014 $\chi^2/\text{NDF}: 94969.9/19$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -37.512 ± 0.229 χ^2/NDF : 0.0/15

Left Out: -41.267 ± 0.653 χ^2/NDF : 34.2/1

Right Out: 37.512 ± 0.210 χ^2/NDF : 0.0/18

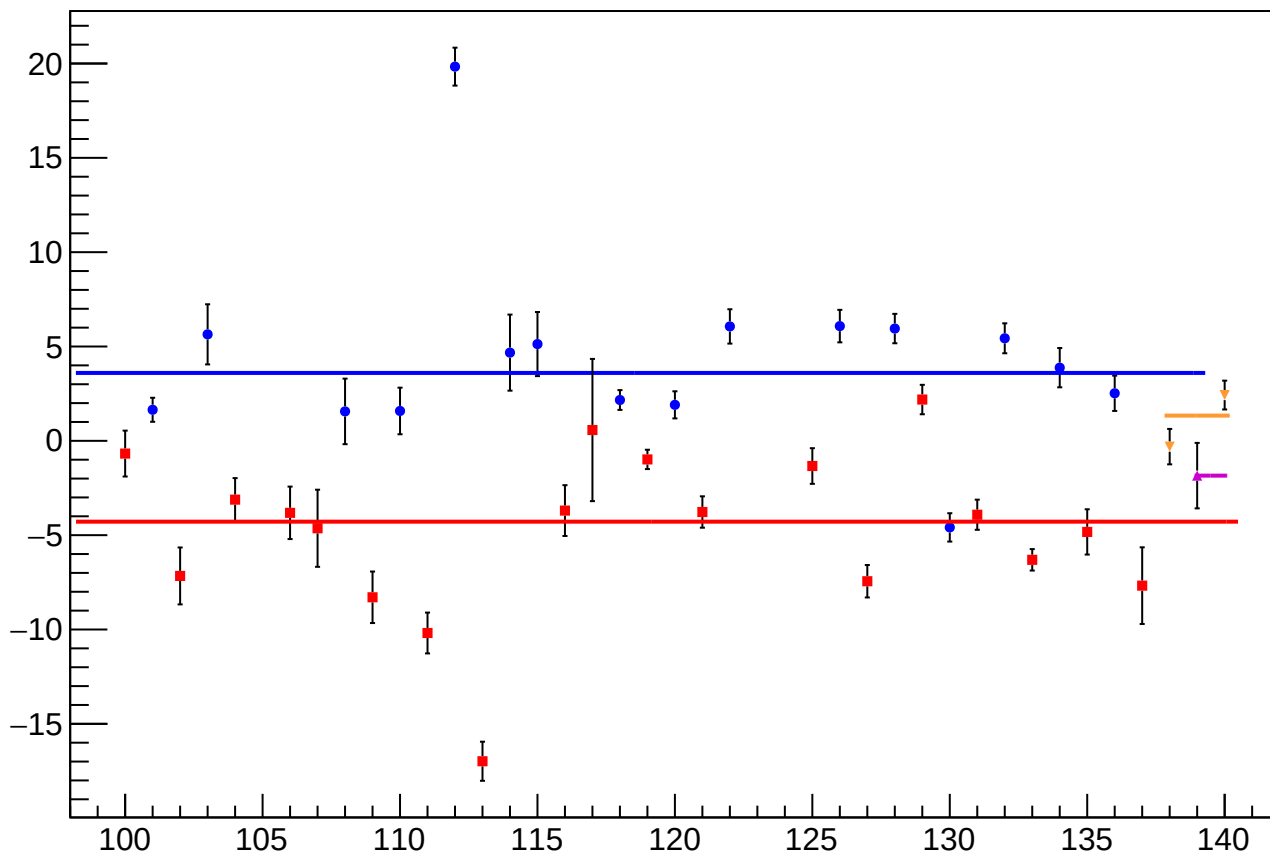
Left In: 43.047 ± 0.974 χ^2/NDF : 0.0/0

-37.923 ± 0.216 χ^2/NDF : 63.6/17

1.838 ± 0.149 χ^2/NDF : 64533.6/37

37.759 ± 0.205 χ^2/NDF : 30.9/19

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: 1.337 ± 0.592 $\chi^2/\text{NDF}: 5.1/1$

Right Out: -4.284 ± 0.221 $\chi^2/\text{NDF}: 353.8/18$

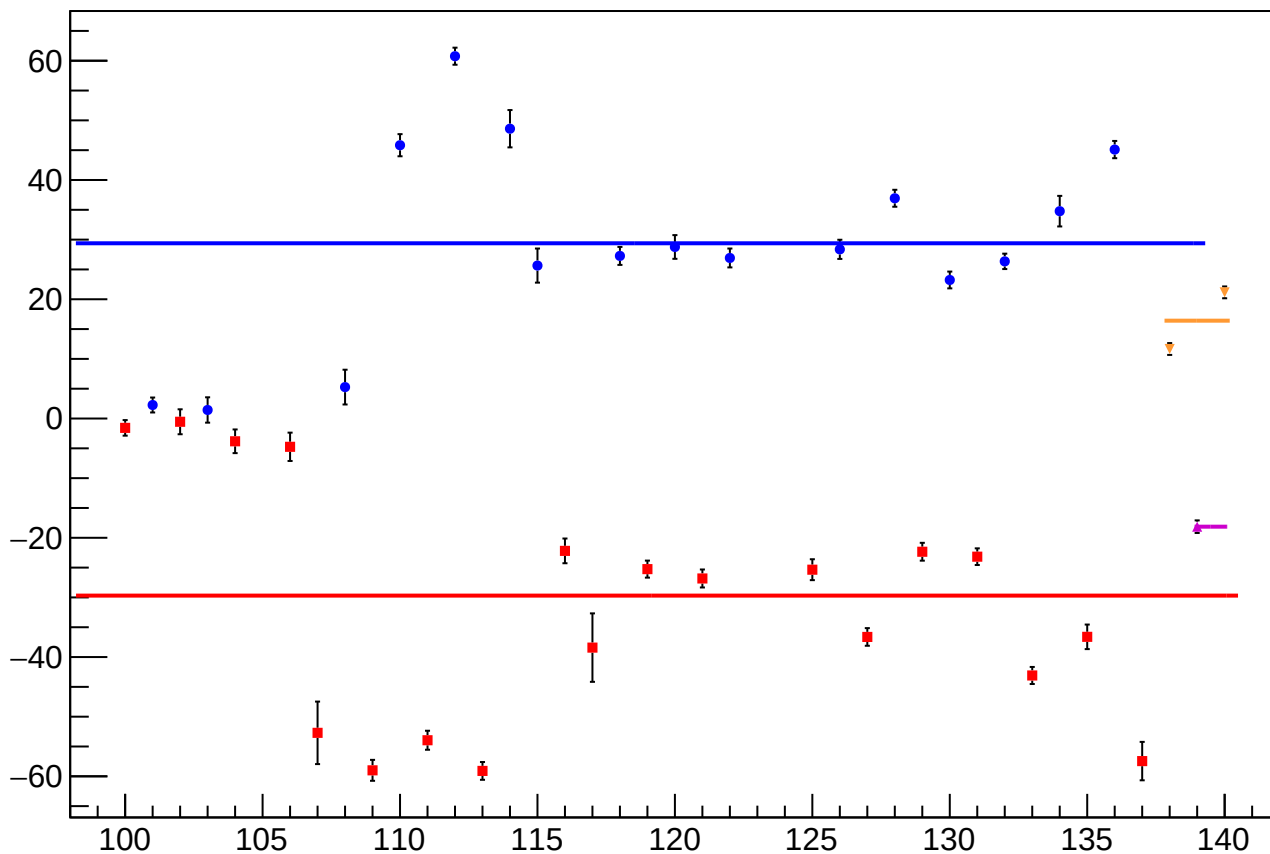
Left In: -1.844 ± 1.735 $\chi^2/\text{NDF}: 0.0/0$

3.325 ± 0.206 $\chi^2/\text{NDF}: 458.2/17$

-0.239 ± 0.150 $\chi^2/\text{NDF}: 1447.1/37$

-4.245 ± 0.219 $\chi^2/\text{NDF}: 355.7/19$

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: 16.409 $\pm$ 0.702 χ^2 /NDF: 45.7/1

Right Out: -29.695 $\pm$ 0.401 χ^2 /NDF: 2133.3/18

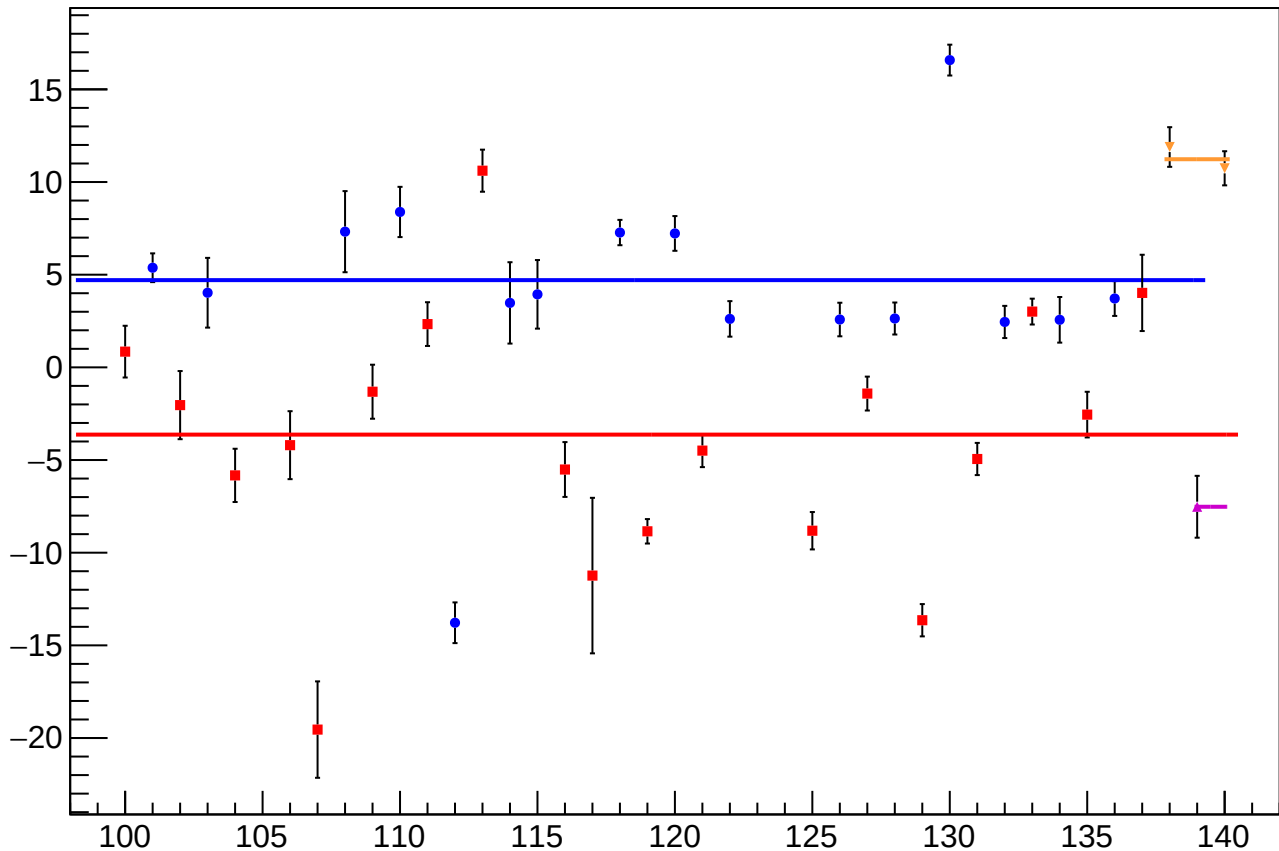
Left In: -18.137 $\pm$ 1.056 χ^2 /NDF: 0.0/0

25.976 $\pm$ 0.360 χ^2 /NDF: 1786.2/17

-0.008 $\pm$ 0.260 χ^2 /NDF: 14895.6/37

-28.236 $\pm$ 0.375 χ^2 /NDF: 2238.0/19

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: 11.230 ± 0.698 $\chi^2/\text{NDF}: 0.7/1$

Right Out: -3.629 ± 0.254 $\chi^2/\text{NDF}: 576.7/18$

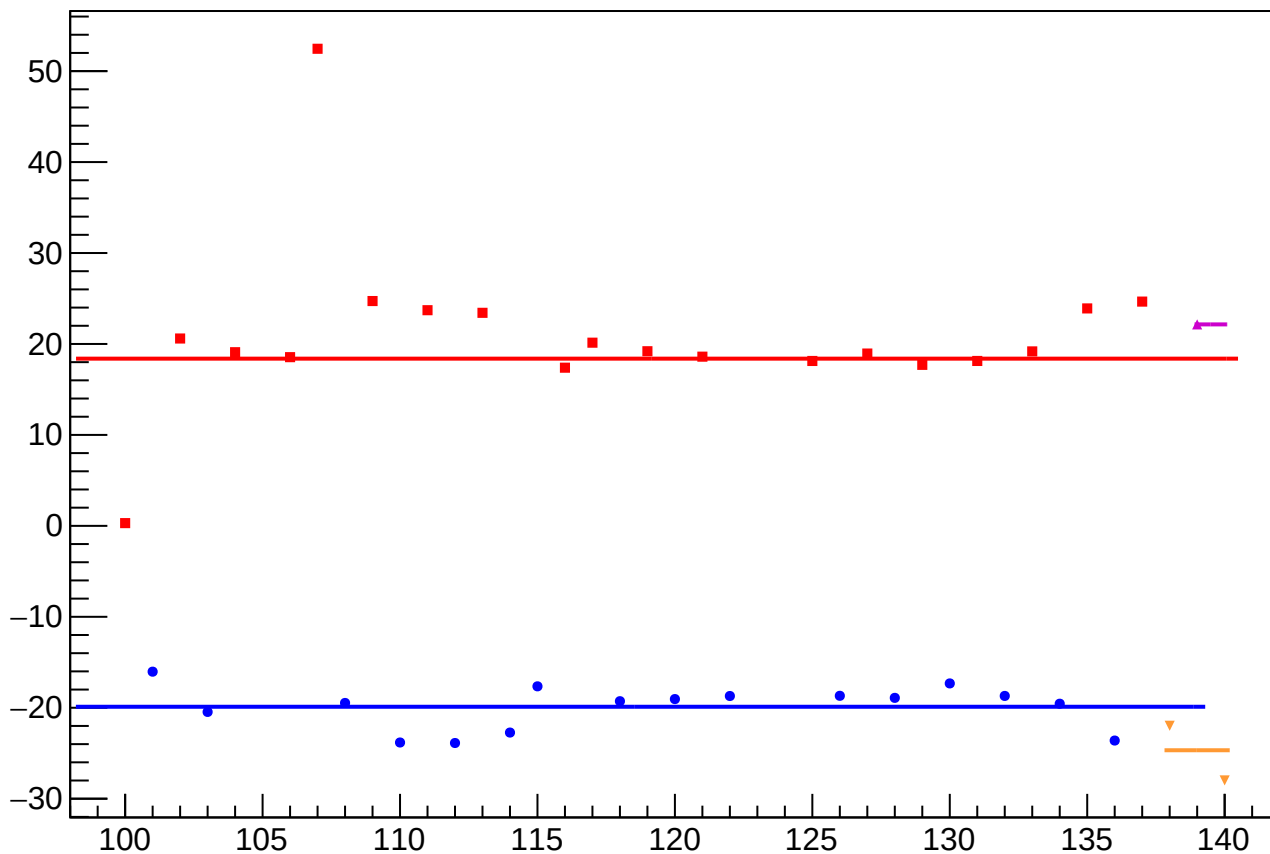
Left In: -7.522 ± 1.669 $\chi^2/\text{NDF}: 0.0/0$

5.469 ± 0.239 $\chi^2/\text{NDF}: 623.0/17$

1.104 ± 0.173 $\chi^2/\text{NDF}: 1909.6/37$

-3.717 ± 0.251 $\chi^2/\text{NDF}: 582.1/19$

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: -24.673±/0.029 χ^2/NDF : 10600.7/1

Right Out: 18.386±/0.015 χ^2/NDF : 301044.3/18

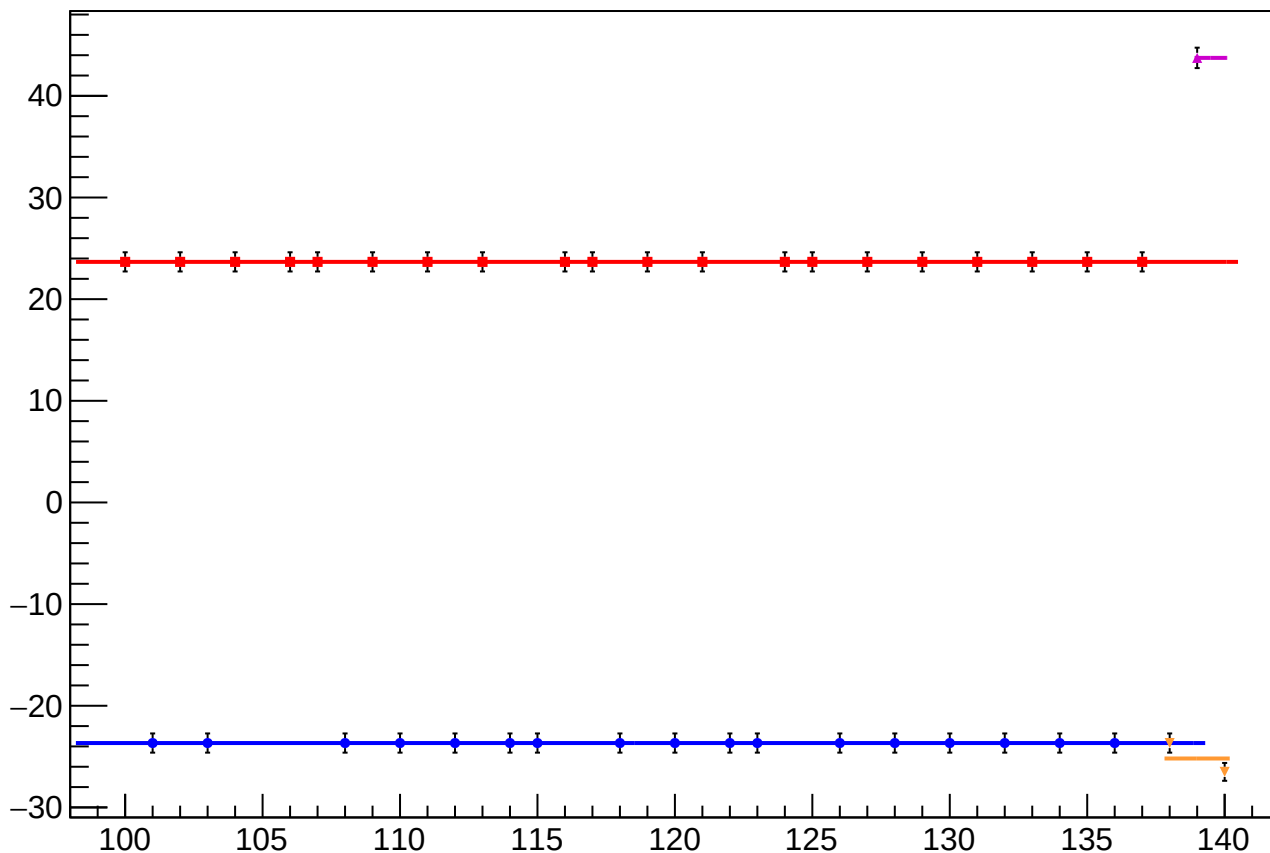
Left In: 22.152±/0.037 χ^2/NDF : 0.0/0

-20.966±/0.014 χ^2/NDF : 57685.7/17

-0.893±/0.010 χ^2/NDF : 4590535.4/37

18.904±/0.014 χ^2/NDF : 310055.7/19

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.668 $\pm$ 0.229 χ^2 /NDF: 0.0/16

Left Out: -25.189 $\pm$ 0.643 χ^2 /NDF: 4.8/1

Right Out: 23.668 $\pm$ 0.211 χ^2 /NDF: 0.0/19

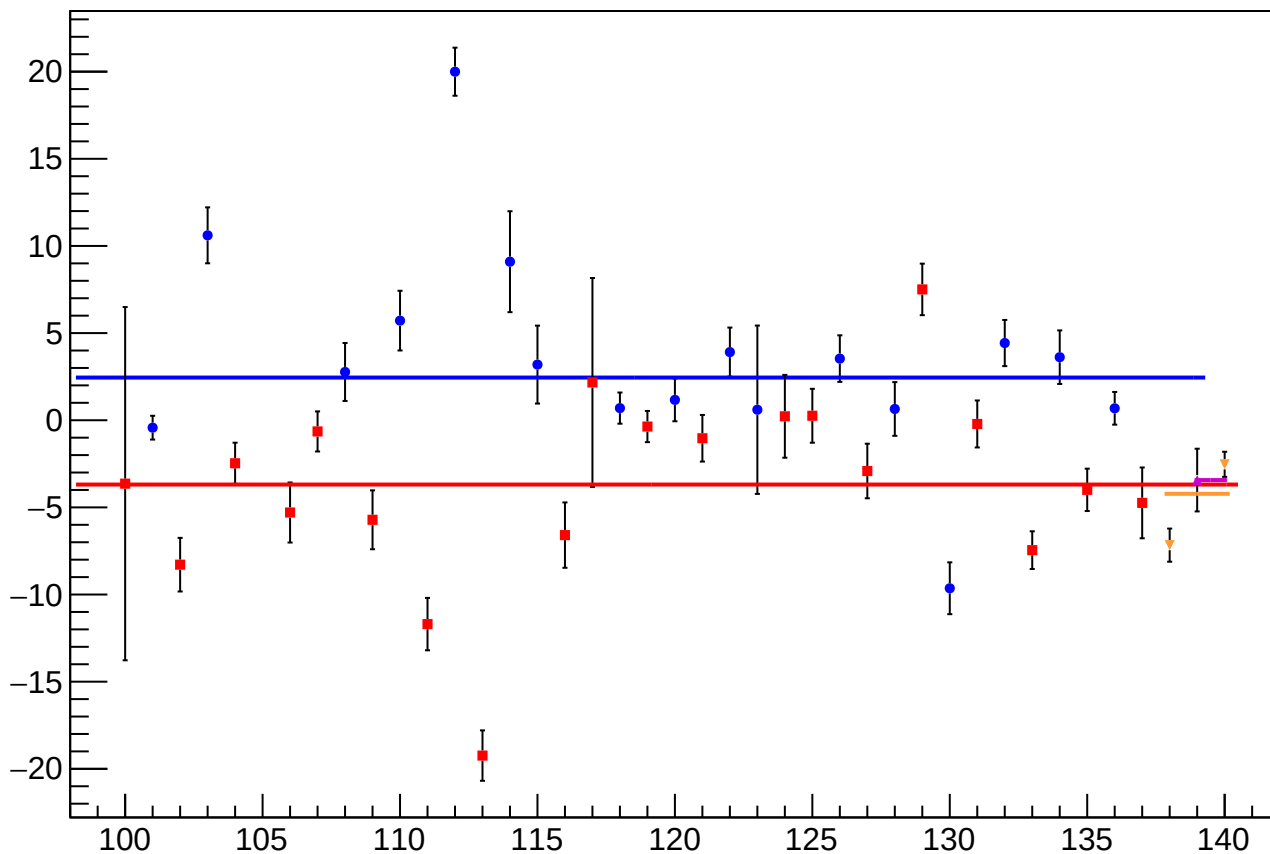
Left In: 43.737 $\pm$ 1.004 χ^2 /NDF: 0.0/0

-23.839 $\pm$ 0.216 χ^2 /NDF: 9.8/18

1.382 $\pm$ 0.149 χ^2 /NDF: 26589.6/39

24.518 $\pm$ 0.207 χ^2 /NDF: 382.3/20

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: -4.221 ± 0.574 χ^2/NDF : 15.1/1

Right Out: -3.690 ± 0.326 χ^2/NDF : 270.4/19

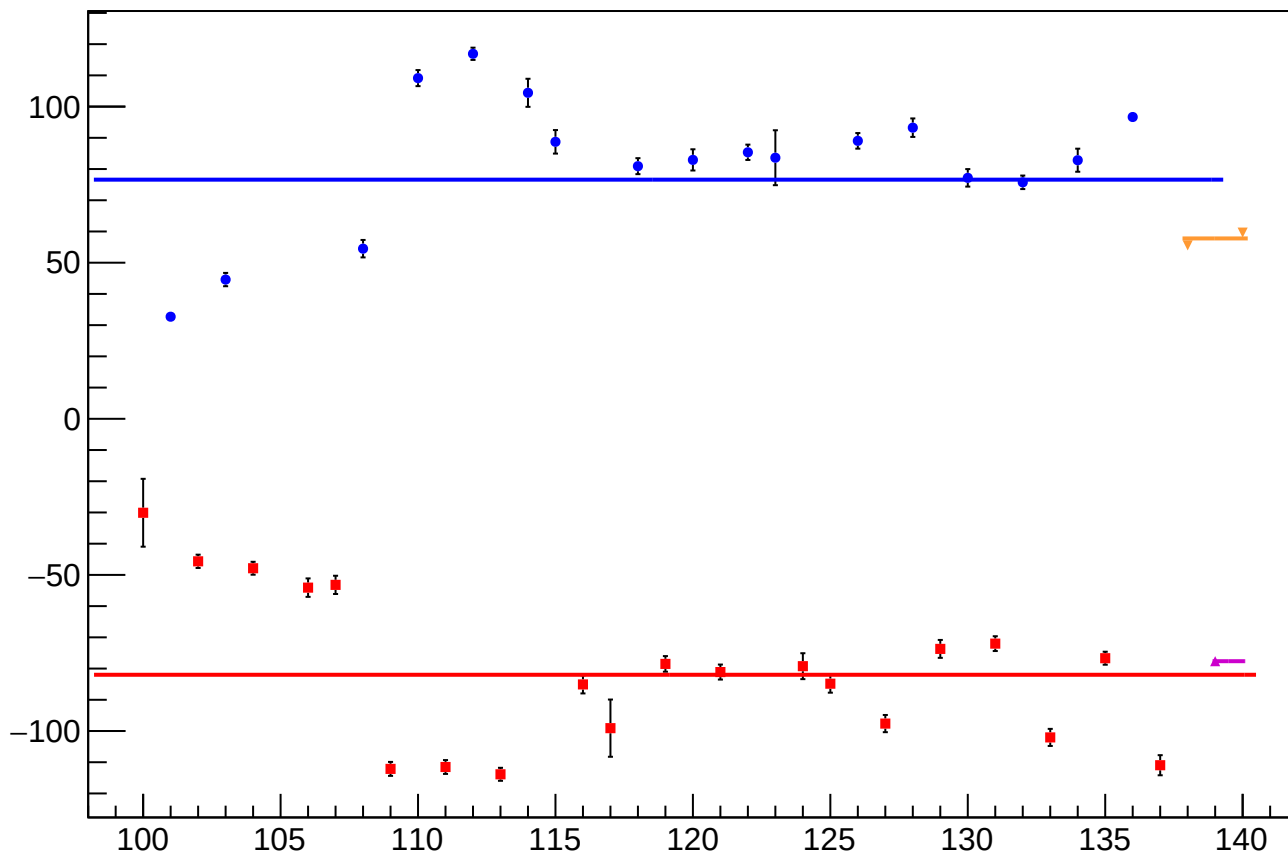
Left In: -3.433 ± 1.799 χ^2/NDF : 0.0/0

0.910 ± 0.276 χ^2/NDF : 414.3/18

-1.042 ± 0.209 χ^2/NDF : 802.5/39

-3.682 ± 0.321 χ^2/NDF : 270.4/20

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 57.773 $\pm$ 0.691 χ^2 /NDF: 8.7/1

Right Out: -81.987 $\pm$ 0.591 χ^2 /NDF: 1574.2/19

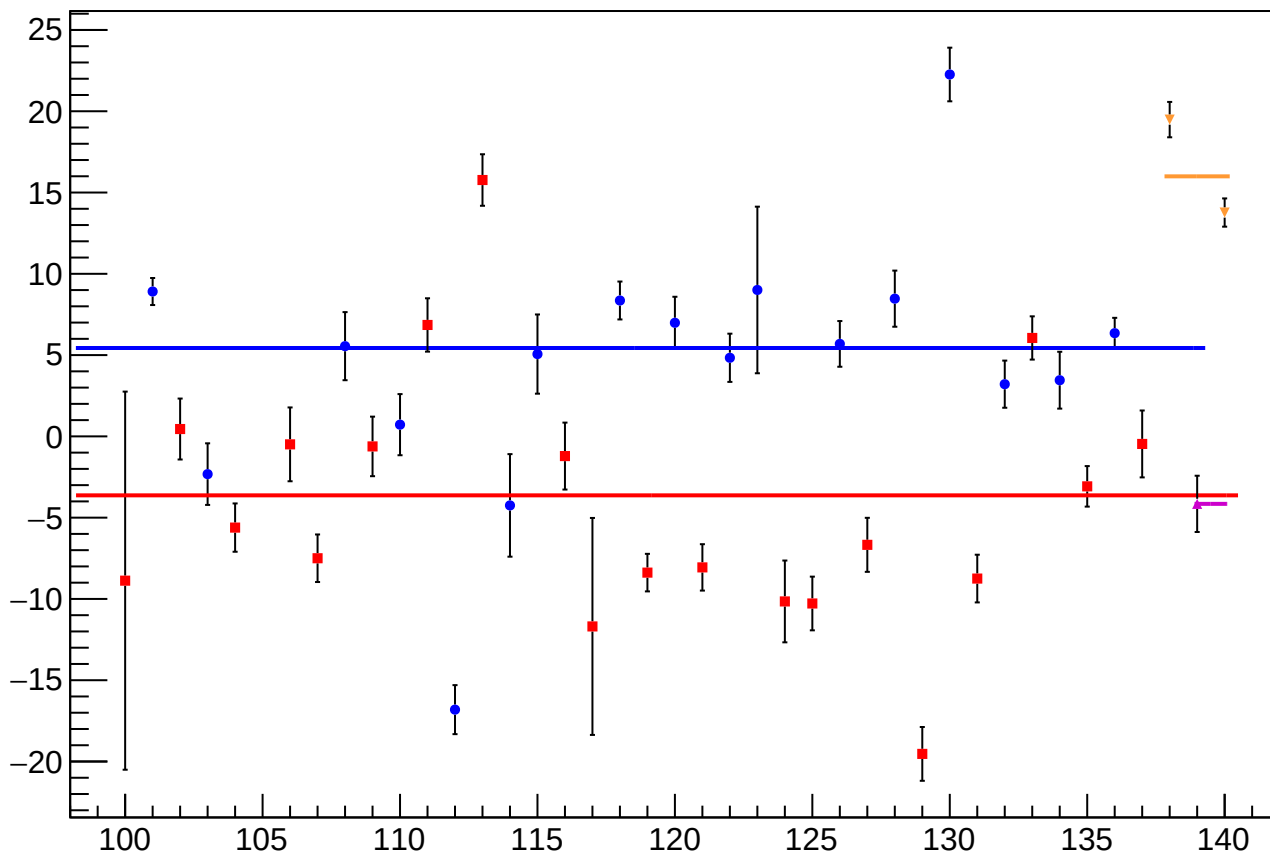
Left In: -77.639 $\pm$ 1.088 χ^2 /NDF: 0.0/0

68.873 $\pm$ 0.442 χ^2 /NDF: 2702.0/18

5.850 $\pm$ 0.337 χ^2 /NDF: 52562.2/39

-80.998 $\pm$ 0.519 χ^2 /NDF: 1586.6/20

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: 15.995 $\pm$ 0.679 χ^2/NDF : 16.9/1

Right Out: -3.628 $\pm$ 0.374 χ^2/NDF : 424.8/19

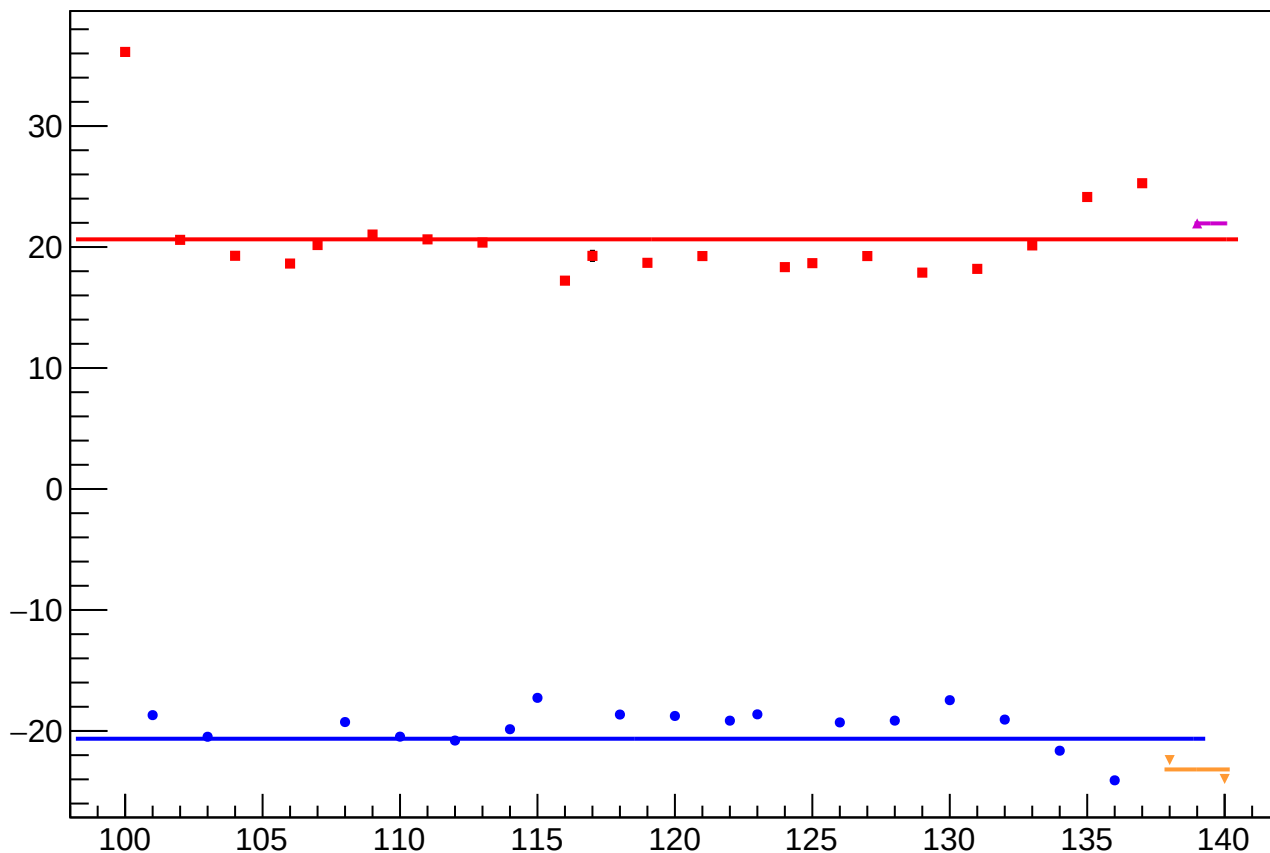
Left In: -4.152 $\pm$ 1.731 χ^2/NDF : 0.0/0

7.757 $\pm$ 0.318 χ^2/NDF : 592.8/18

2.844 $\pm$ 0.240 χ^2/NDF : 1570.9/39

-3.651 $\pm$ 0.366 χ^2/NDF : 424.8/20

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: -23.181 ± 0.029 χ^2/NDF : 736.8/1

Right Out: 20.635 ± 0.019 χ^2/NDF : 13794.0/19

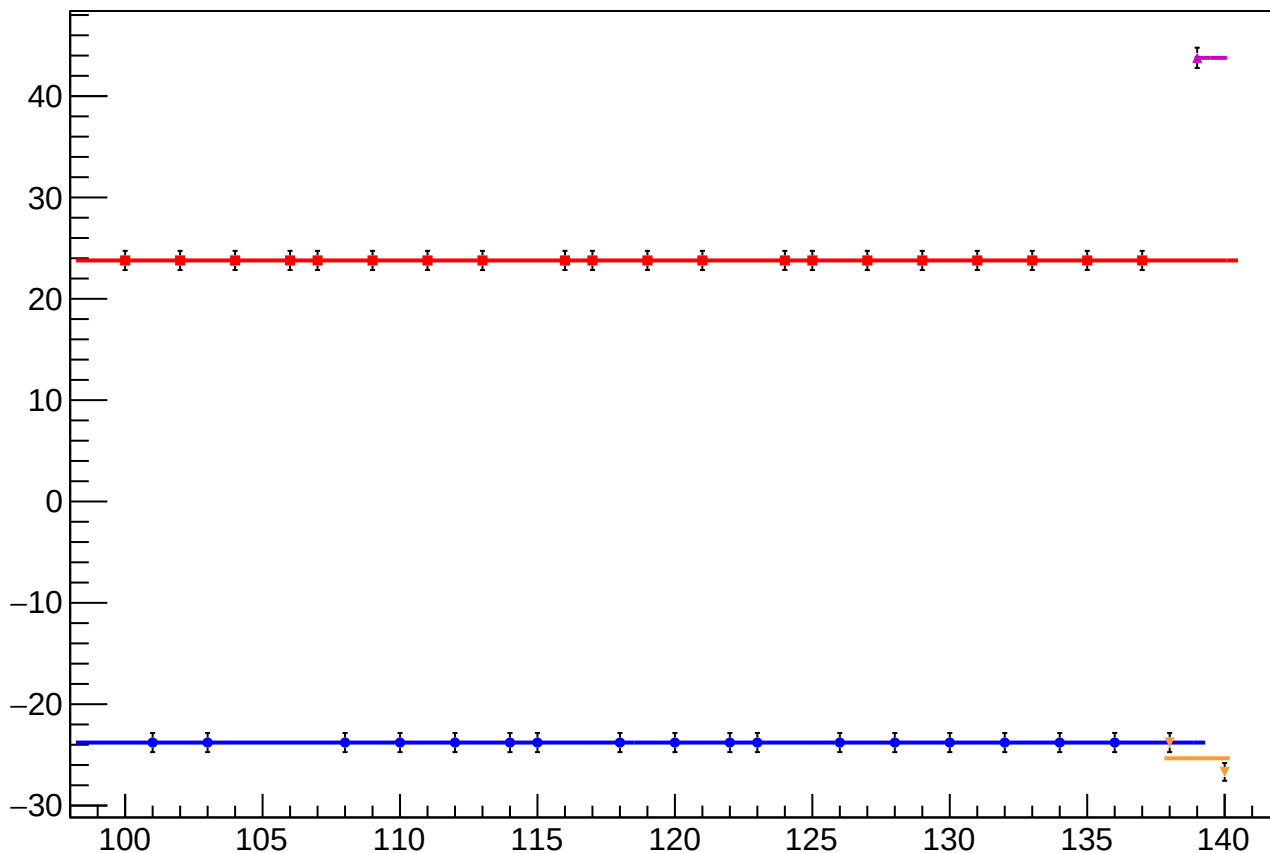
Left In: 21.953 ± 0.038 χ^2/NDF : 0.0/0

-21.433 ± 0.016 χ^2/NDF : 18538.2/18

-1.883 ± 0.012 χ^2/NDF : 3248846.1/39

20.906 ± 0.017 χ^2/NDF : 14739.0/20

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.785 $\pm$ 0.229 χ^2/NDF : 0.0/16

Left Out: -25.337 $\pm$ 0.644 χ^2/NDF : 5.0/1

Right Out: 23.785 $\pm$ 0.211 χ^2/NDF : 0.0/19

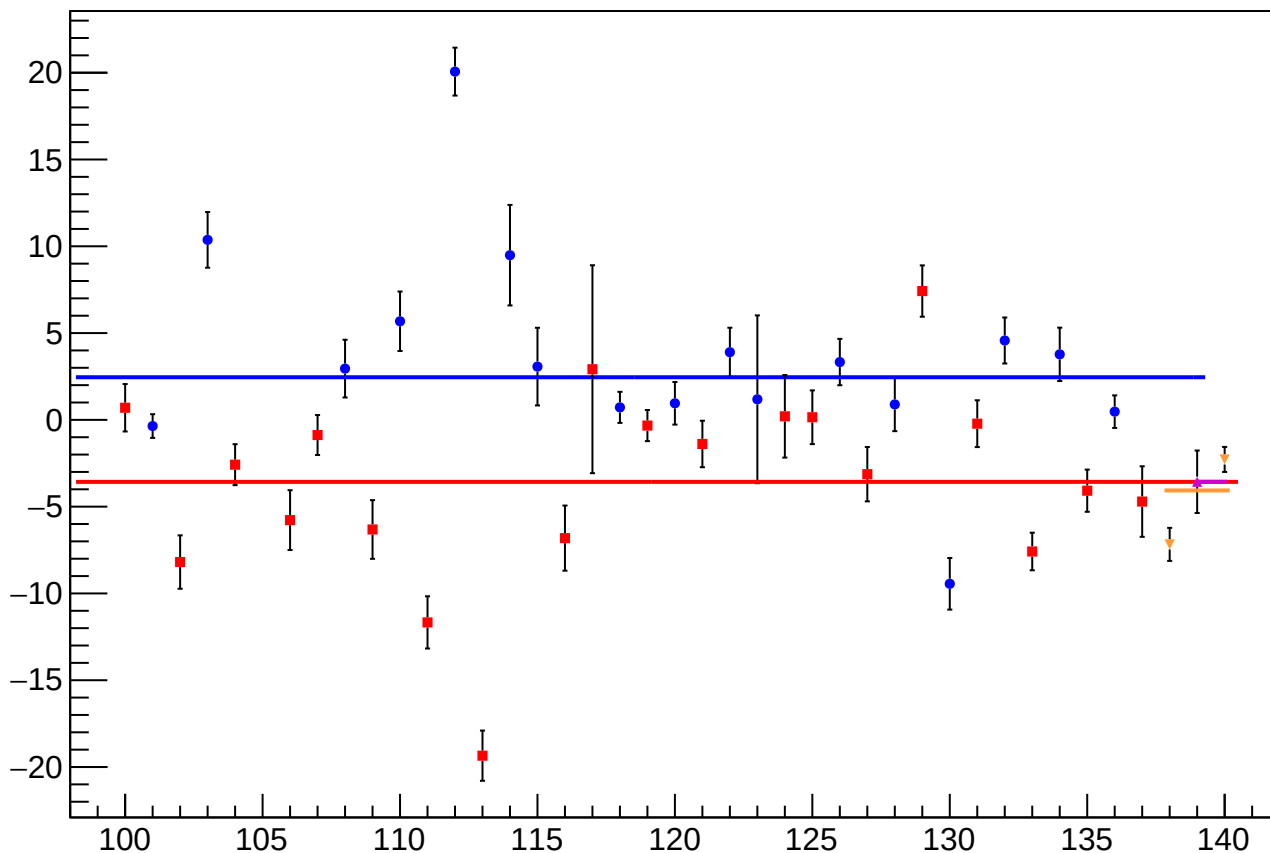
Left In: 43.774 $\pm$ 1.005 χ^2/NDF : 0.0/0

-23.960 $\pm$ 0.216 χ^2/NDF : 10.2/18

1.384 $\pm$ 0.149 χ^2/NDF : 26802.6/39

24.631 $\pm$ 0.207 χ^2/NDF : 378.8/20

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455+/-0.315 χ^2/NDF : 293.5/16

Left Out: -4.066+/-0.575 χ^2/NDF : 16.8/1

Right Out: -3.571+/-0.317 χ^2/NDF : 281.0/19

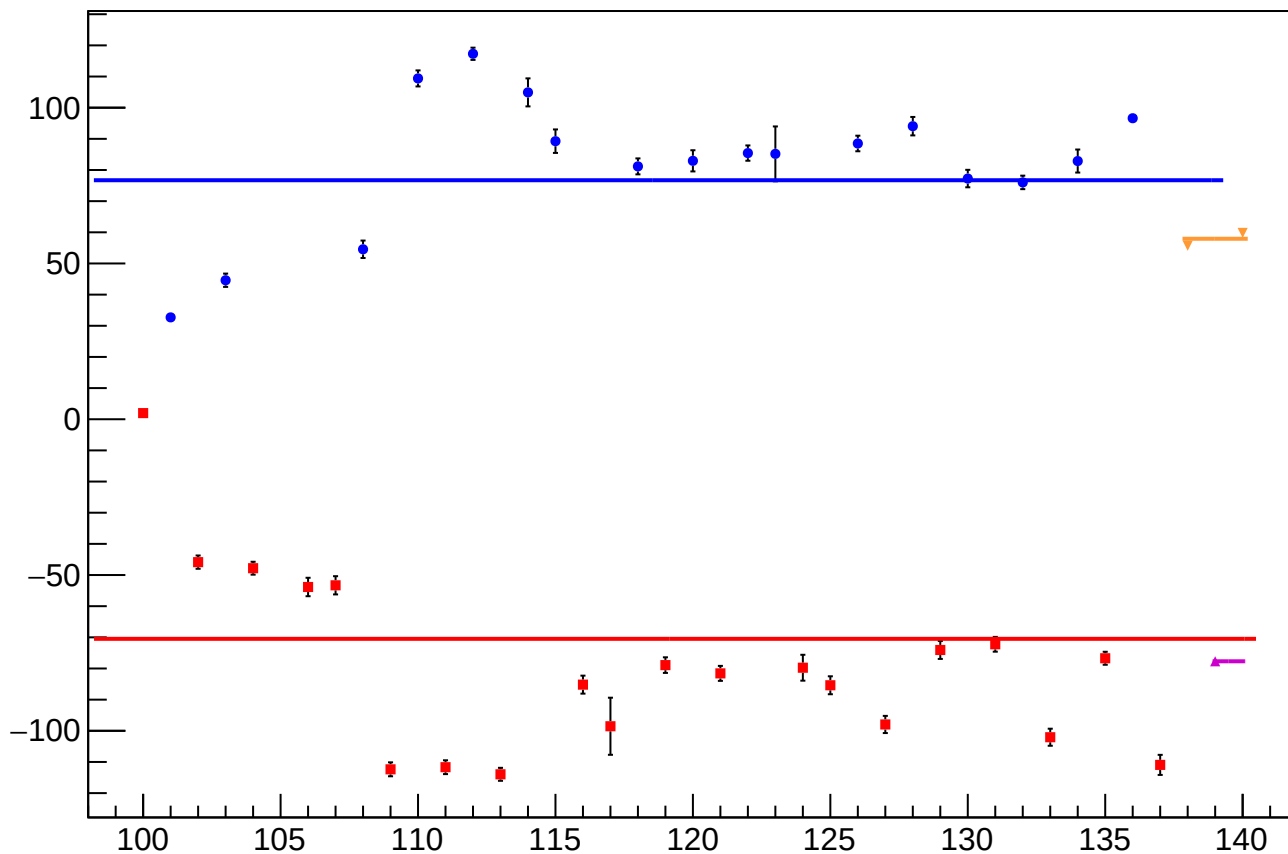
Left In: -3.567+/-1.800 χ^2/NDF : 0.0/0

0.951+/-0.276 χ^2/NDF : 409.4/18

-1.030+/-0.207 χ^2/NDF : 808.1/39

-3.571+/-0.312 χ^2/NDF : 281.0/20

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 57.934+/-0.691 χ^2/NDF : 8.8/1

Right Out: -70.477+/-0.549 χ^2/NDF : 4400.1/19

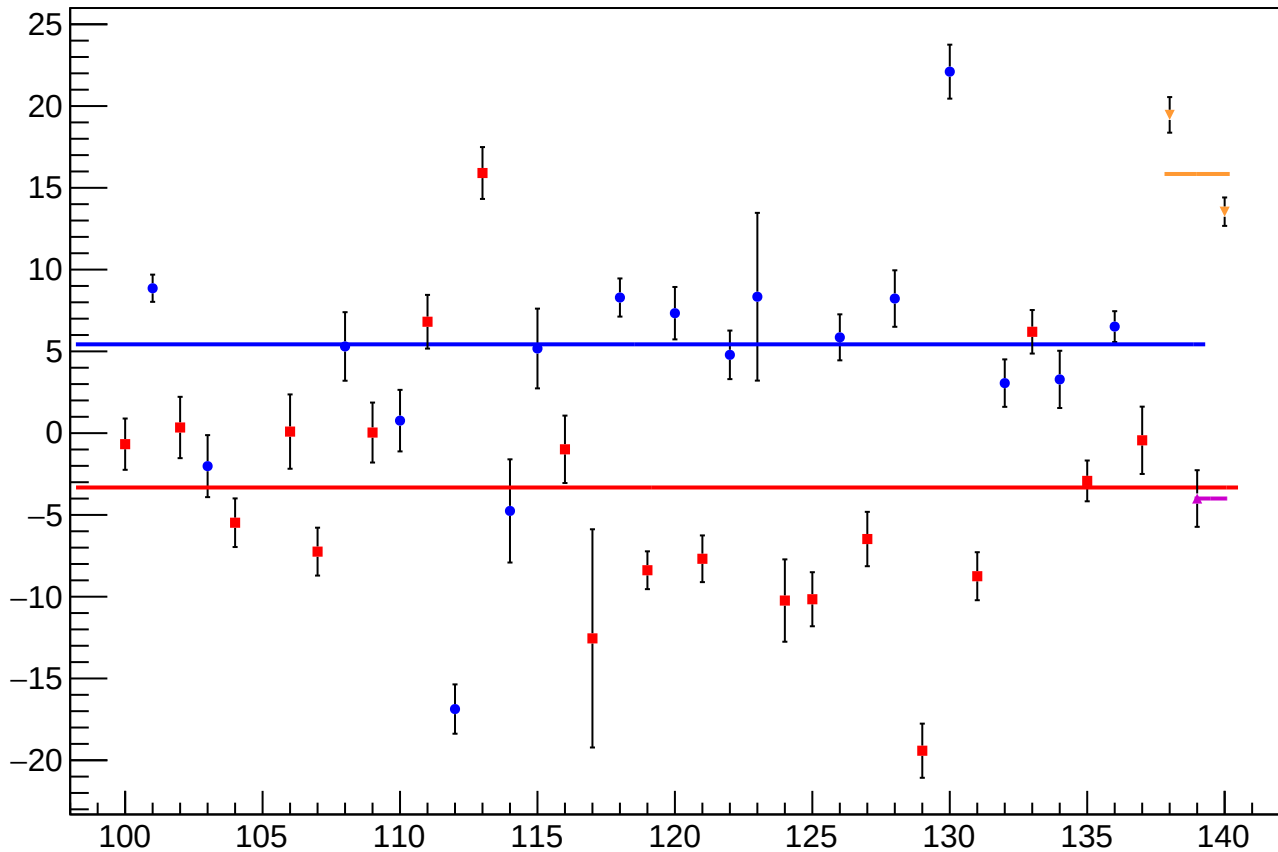
Left In: -77.688+/-1.089 χ^2/NDF : 0.0/0

69.009+/-0.443 χ^2/NDF : 2711.0/18

5.702+/-0.328 χ^2/NDF : 52693.4/39

-71.937+/-0.490 χ^2/NDF : 4435.0/20

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 15.847 ± 0.679 χ^2/NDF : 18.0/1

Right Out: -3.323 ± 0.365 χ^2/NDF : 428.0/19

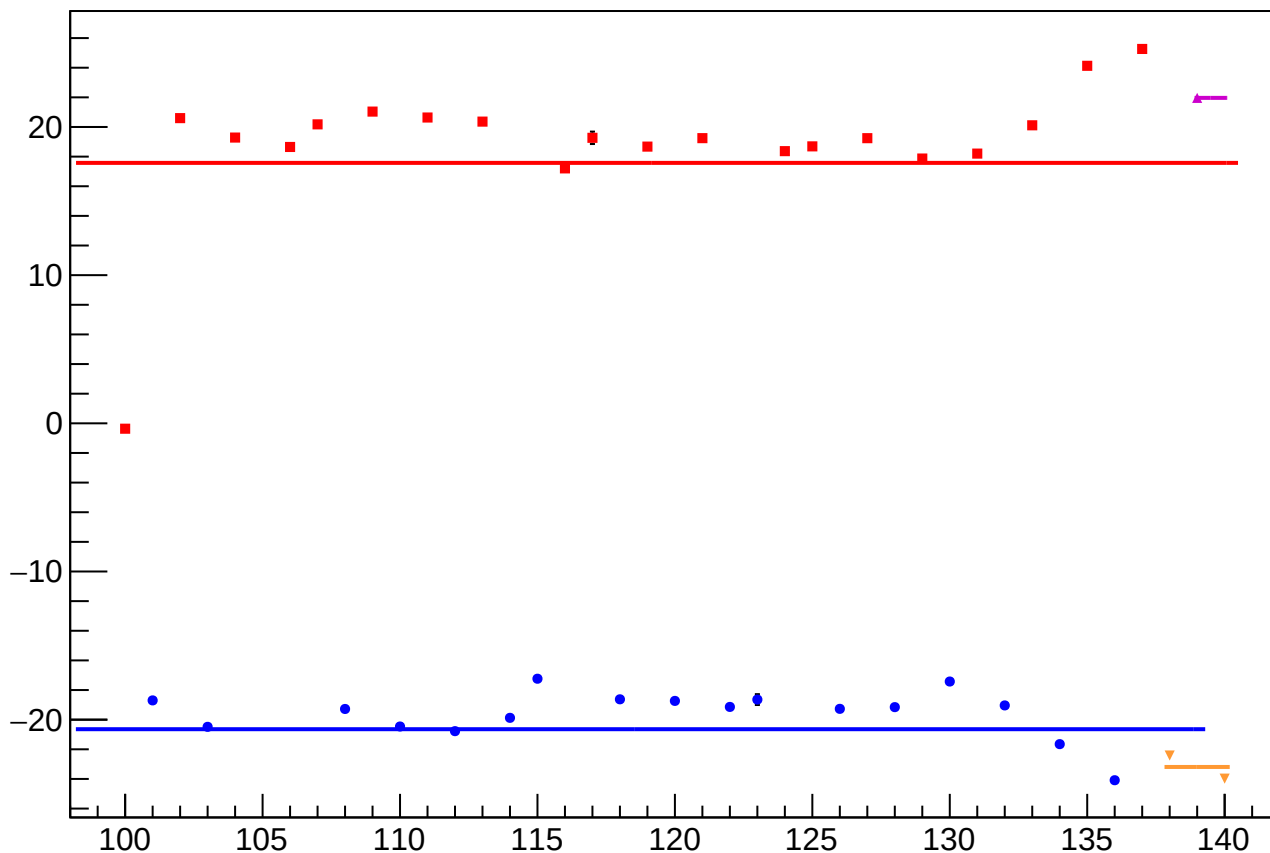
Left In: -3.997 ± 1.732 χ^2/NDF : 0.0/0

7.719 ± 0.318 χ^2/NDF : 587.3/18

2.809 ± 0.238 χ^2/NDF : 1551.4/39

-3.351 ± 0.357 χ^2/NDF : 428.2/20

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -23.192 ± 0.029 $\chi^2/\text{NDF}: 736.6/1$

Right Out: 17.577 ± 0.018 $\chi^2/\text{NDF}: 178343.3/19$

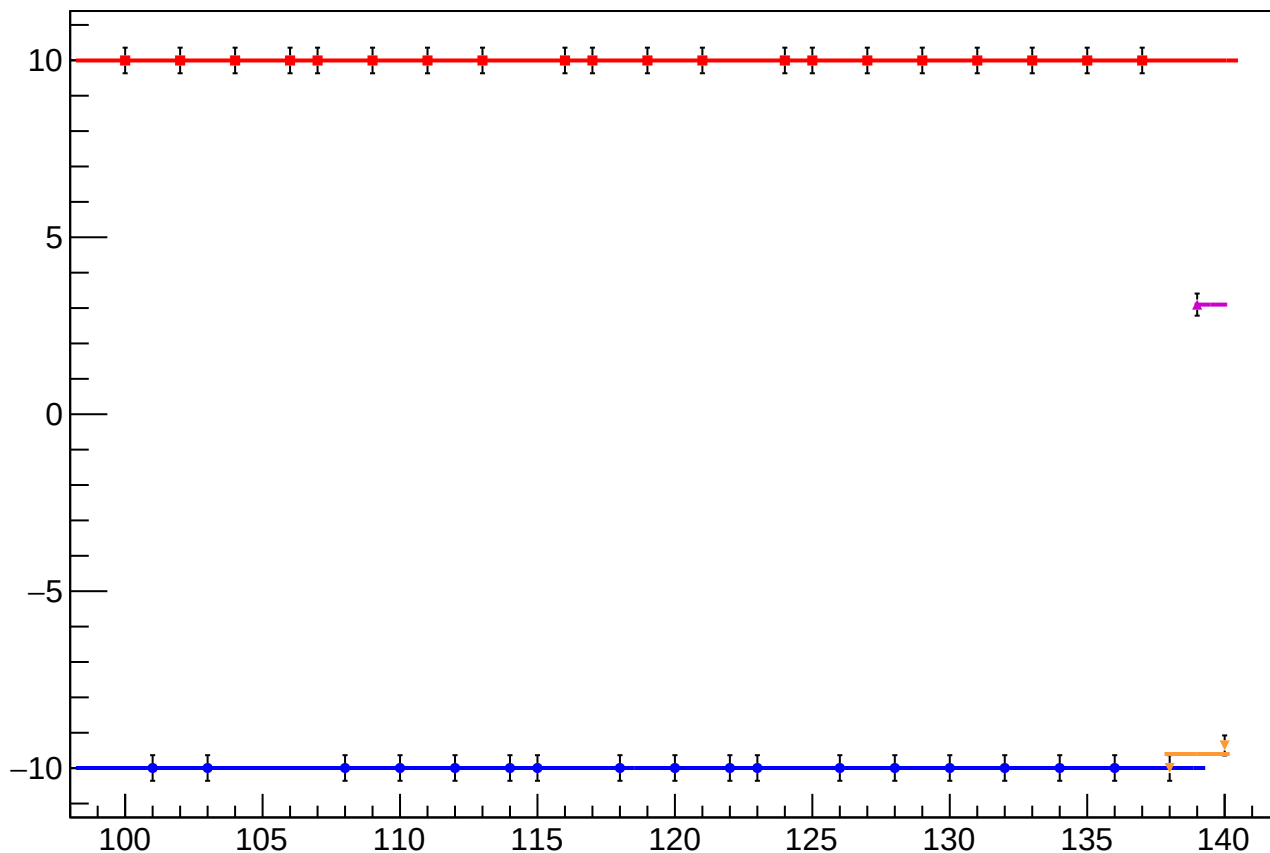
Left In: 21.965 ± 0.038 $\chi^2/\text{NDF}: 0.0/0$

-21.437 ± 0.016 $\chi^2/\text{NDF}: 18609.2/18$

-1.833 ± 0.011 $\chi^2/\text{NDF}: 3235976.1/39$

18.374 ± 0.016 $\chi^2/\text{NDF}: 189116.9/20$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.995 ± 0.088 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -9.600 ± 0.223 $\chi^2/\text{NDF}: 1.9/1$

Right Out: 9.995 ± 0.081 $\chi^2/\text{NDF}: 0.0/19$

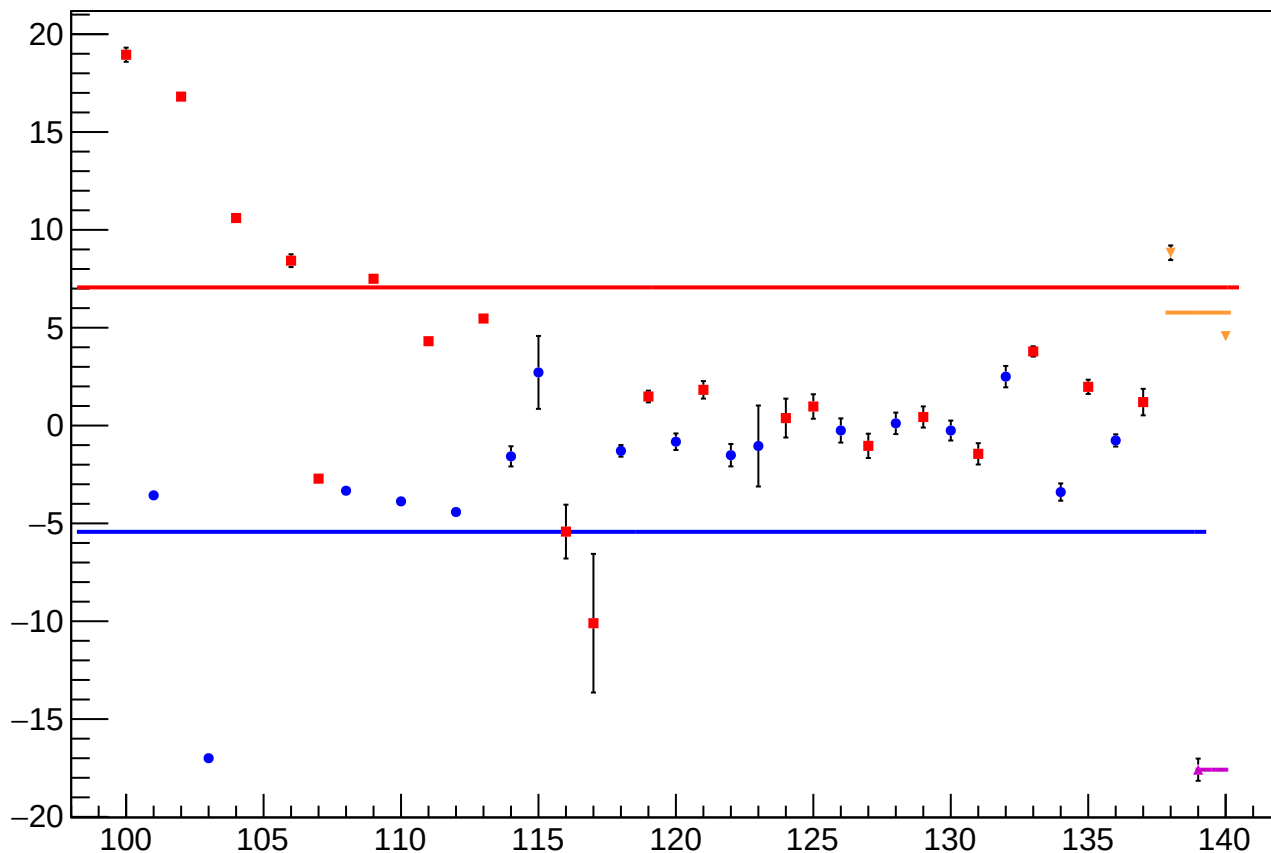
Left In: 3.097 ± 0.312 $\chi^2/\text{NDF}: 0.0/0$

-9.942 ± 0.082 $\chi^2/\text{NDF}: 4.6/18$

0.216 ± 0.057 $\chi^2/\text{NDF}: 30188.6/39$

9.562 ± 0.078 $\chi^2/\text{NDF}: 457.1/20$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431 $\pm$ 0.055 χ^2 /NDF: 9233.8/16

Left Out: 5.773 $\pm$ 0.199 χ^2 /NDF:92.9/1

Right Out: 7.061 $\pm$ 0.059 χ^2 /NDF: 12330.1/19

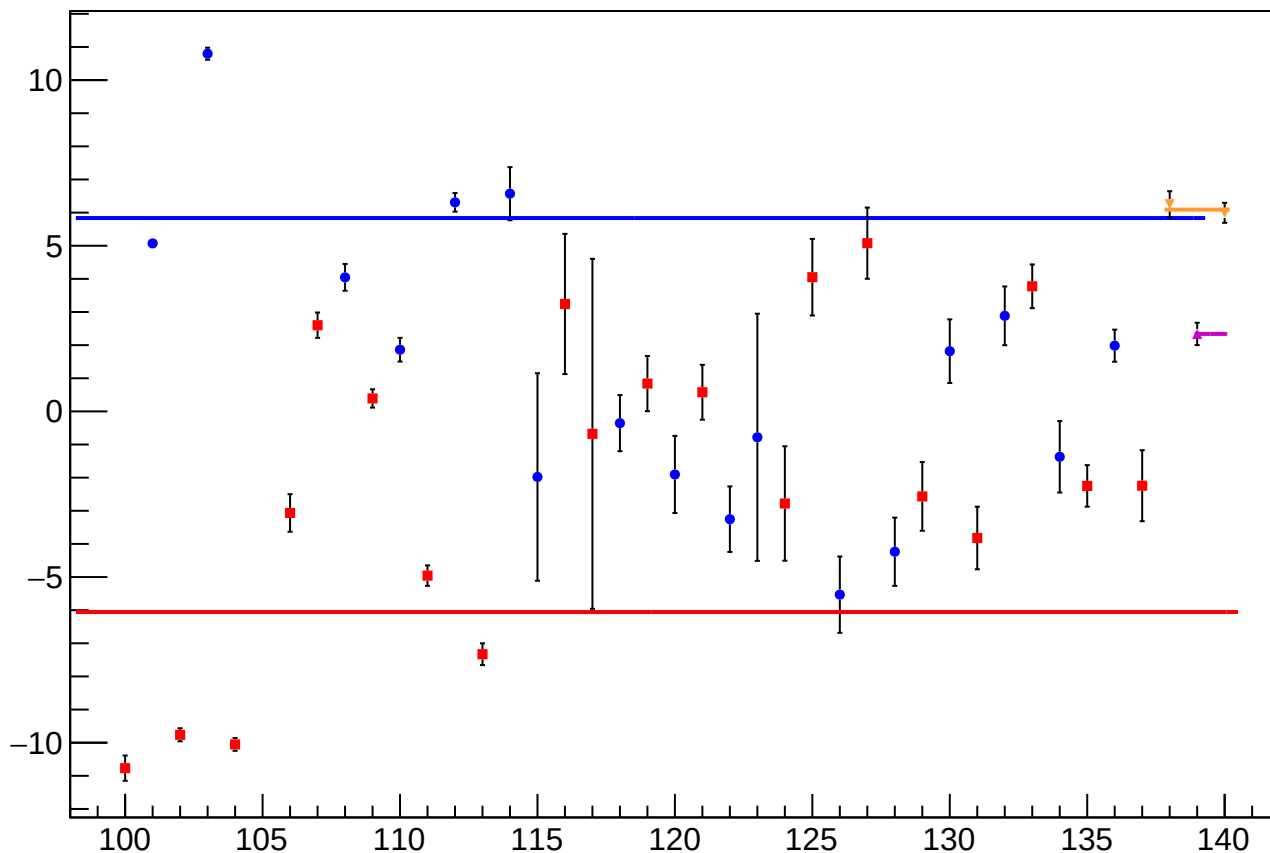
Left In: -17.586 $\pm$ 0.568 χ^2 /NDF:0.0/0

-4.640 $\pm$ 0.053 χ^2 /NDF: 12269.7/18

0.485 $\pm$ 0.039 χ^2 /NDF: 47417.3/39

6.797 $\pm$ 0.059 χ^2 /NDF: 14195.9/20

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: 6.090 $\pm$ 0.239 χ^2 /NDF: 0.3/1

Right Out: -6.056 $\pm$ 0.093 χ^2 /NDF: 2669.9/19

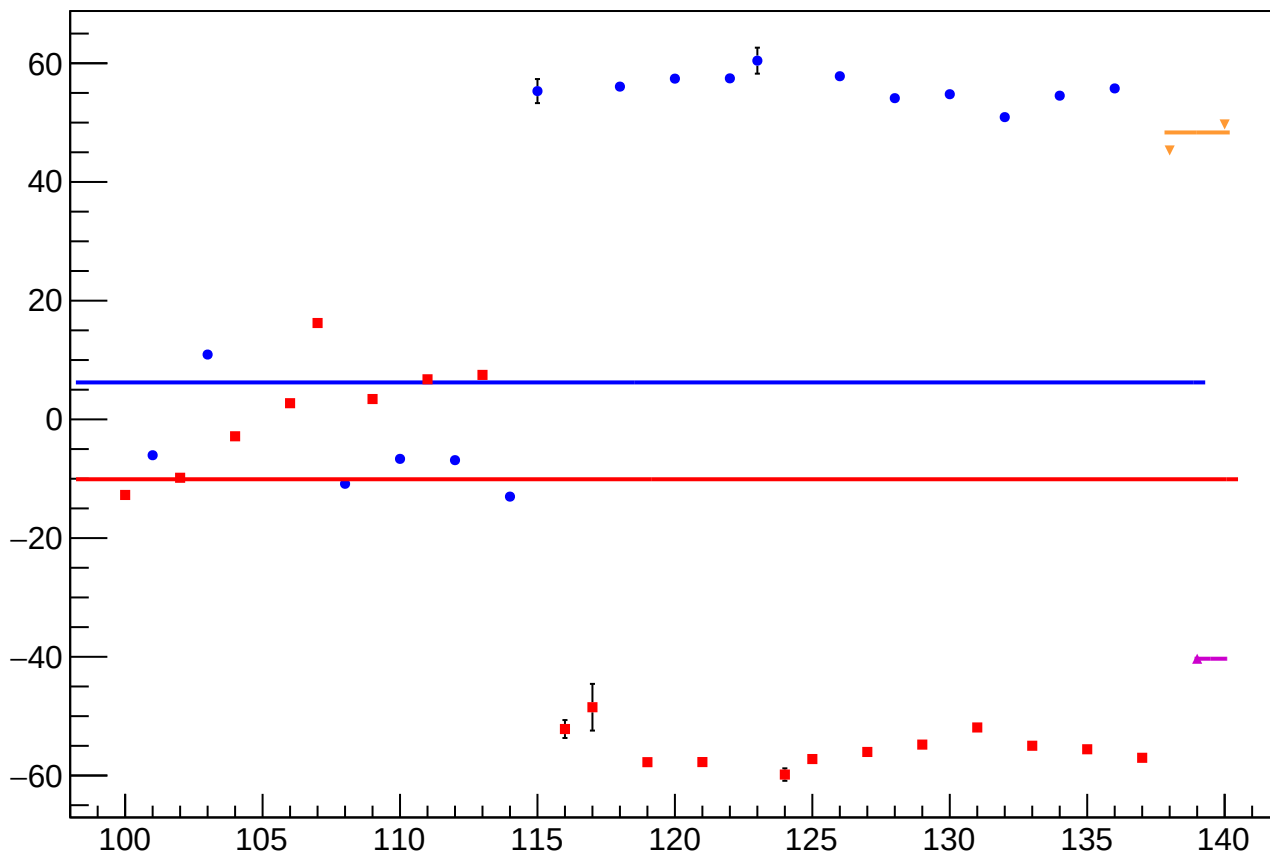
Left In: 2.339 $\pm$ 0.337 χ^2 /NDF: 0.0/0

5.868 $\pm$ 0.084 χ^2 /NDF: 1442.1/18

0.594 $\pm$ 0.061 χ^2 /NDF: 13163.4/39

-5.459 $\pm$ 0.090 χ^2 /NDF: 3244.7/20

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 ± 0.065 $\chi^2/\text{NDF}: 120955.1/16$

Left Out: 48.341 ± 0.236 $\chi^2/\text{NDF}: 73.8/1$

Right Out: -10.087 ± 0.070 $\chi^2/\text{NDF}: 122144.7/19$

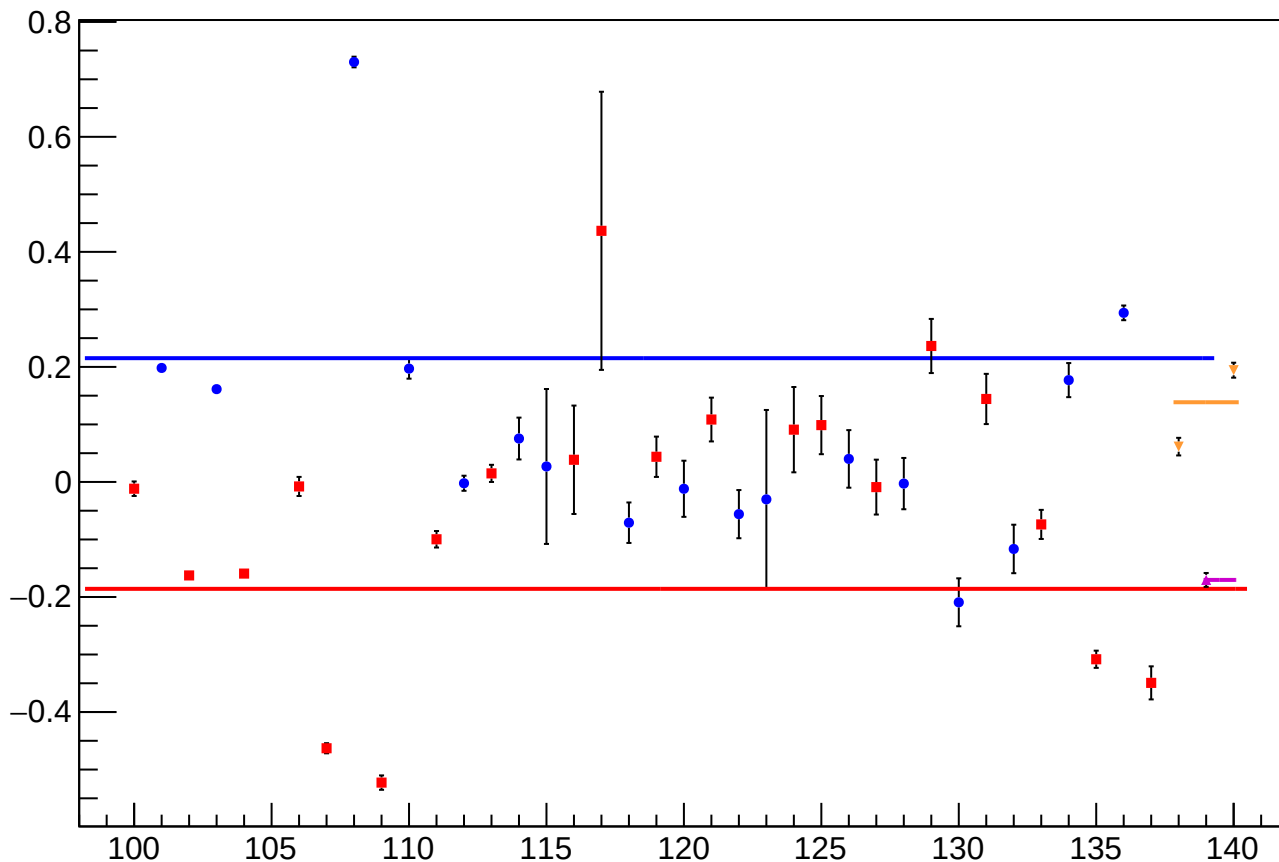
Left In: -40.323 ± 0.547 $\chi^2/\text{NDF}: 0.0/0$

9.191 ± 0.063 $\chi^2/\text{NDF}: 150733.9/18$

0.307 ± 0.046 $\chi^2/\text{NDF}: 320820.9/39$

-10.571 ± 0.069 $\chi^2/\text{NDF}: 125152.5/20$

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: 0.139 $\pm$ 0.010 χ^2 /NDF:43.7/1

Right Out: -0.186 $\pm$ 0.003 χ^2 /NDF: 2724.7/19

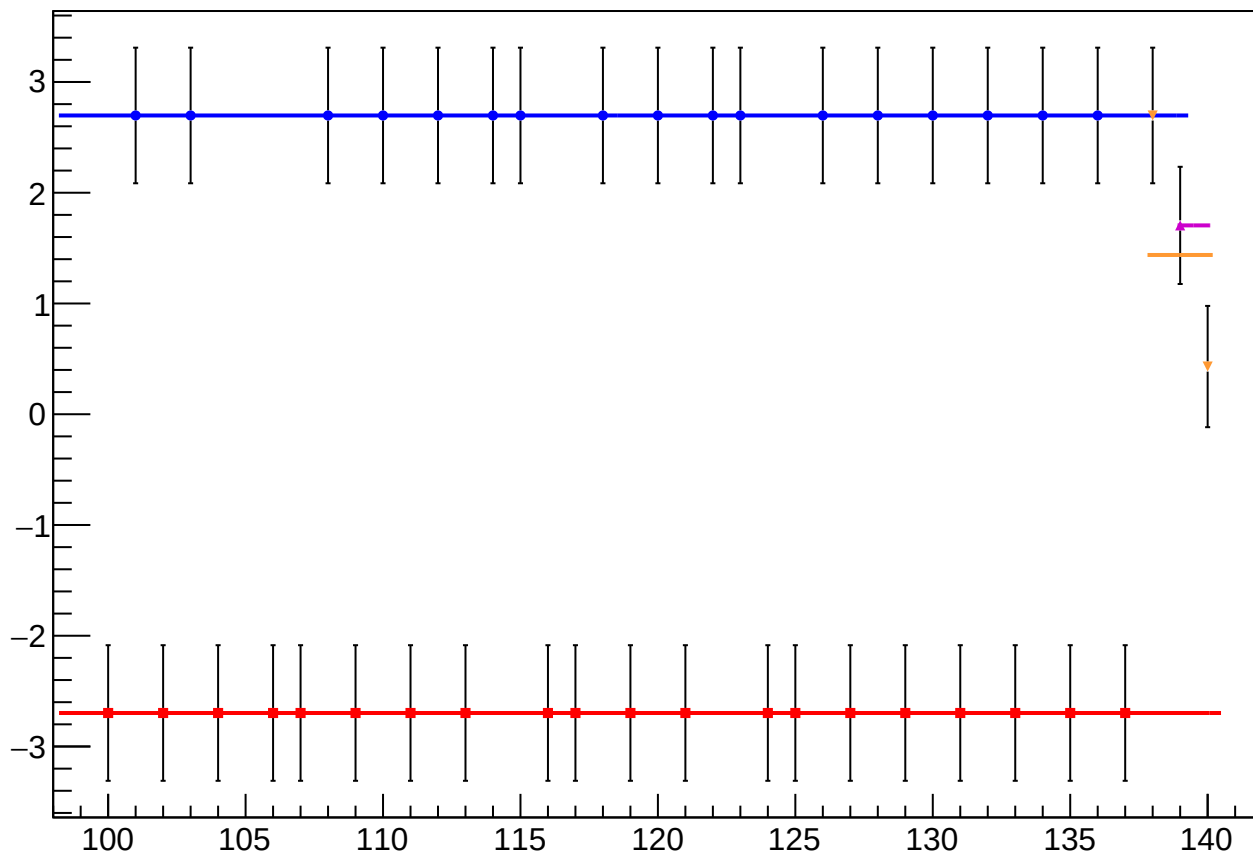
Left In: -0.170 $\pm$ 0.012 χ^2 /NDF:0.0/0

0.210 $\pm$ 0.003 χ^2 /NDF: 4025.0/18

0.009 $\pm$ 0.002 χ^2 /NDF: 17883.8/39

-0.185 $\pm$ 0.003 χ^2 /NDF: 2726.3/20

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.698 ± 0.148 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 1.438 ± 0.408 $\chi^2/\text{NDF}: 7.6/1$

Right Out: -2.698 ± 0.137 $\chi^2/\text{NDF}: 0.0/19$

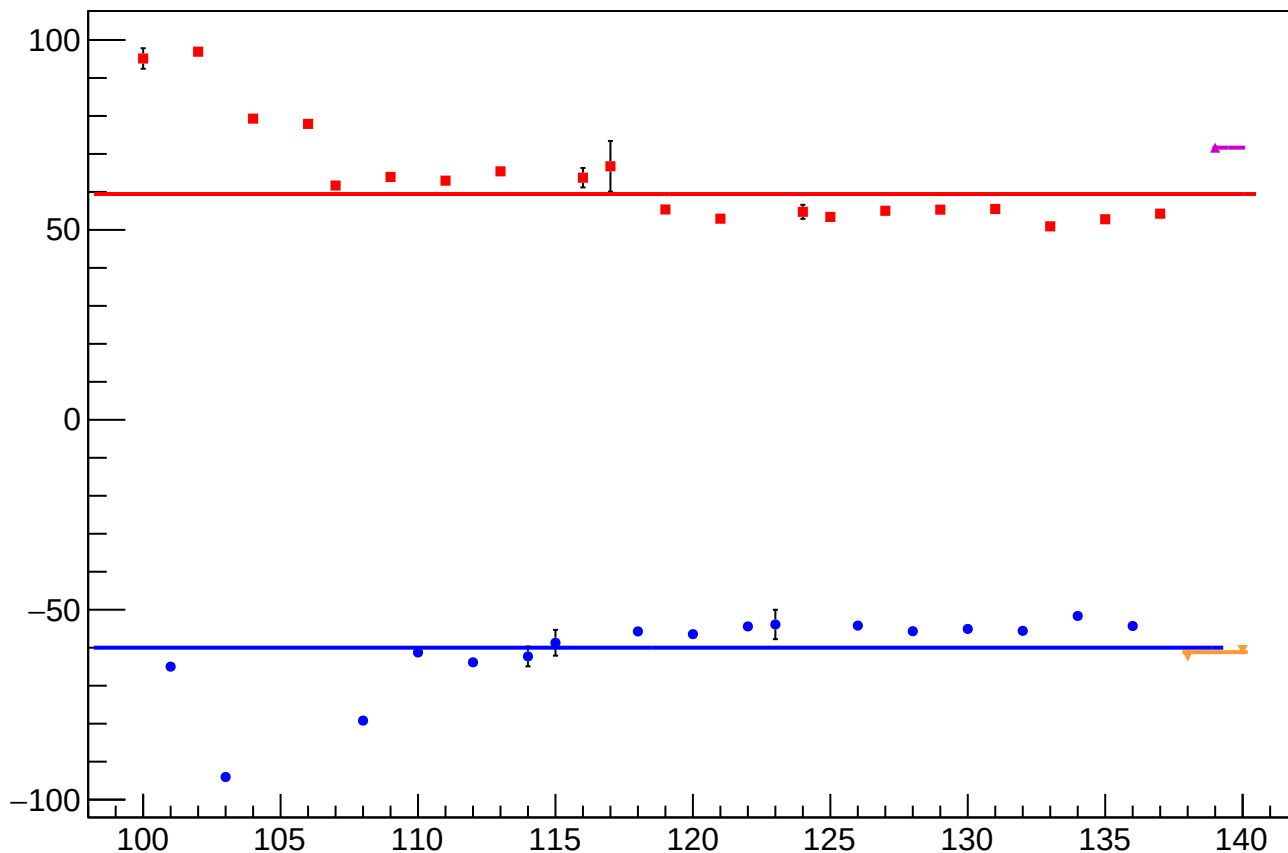
Left In: 1.705 ± 0.529 $\chi^2/\text{NDF}: 0.0/0$

2.550 ± 0.140 $\chi^2/\text{NDF}: 16.0/18$

-0.063 ± 0.096 $\chi^2/\text{NDF}: 748.4/39$

-2.421 ± 0.133 $\chi^2/\text{NDF}: 64.9/20$

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: -61.167 ± 0.378 χ^2/NDF : 4.4/1

Right Out: 59.442 ± 0.212 χ^2/NDF : 2919.1/19

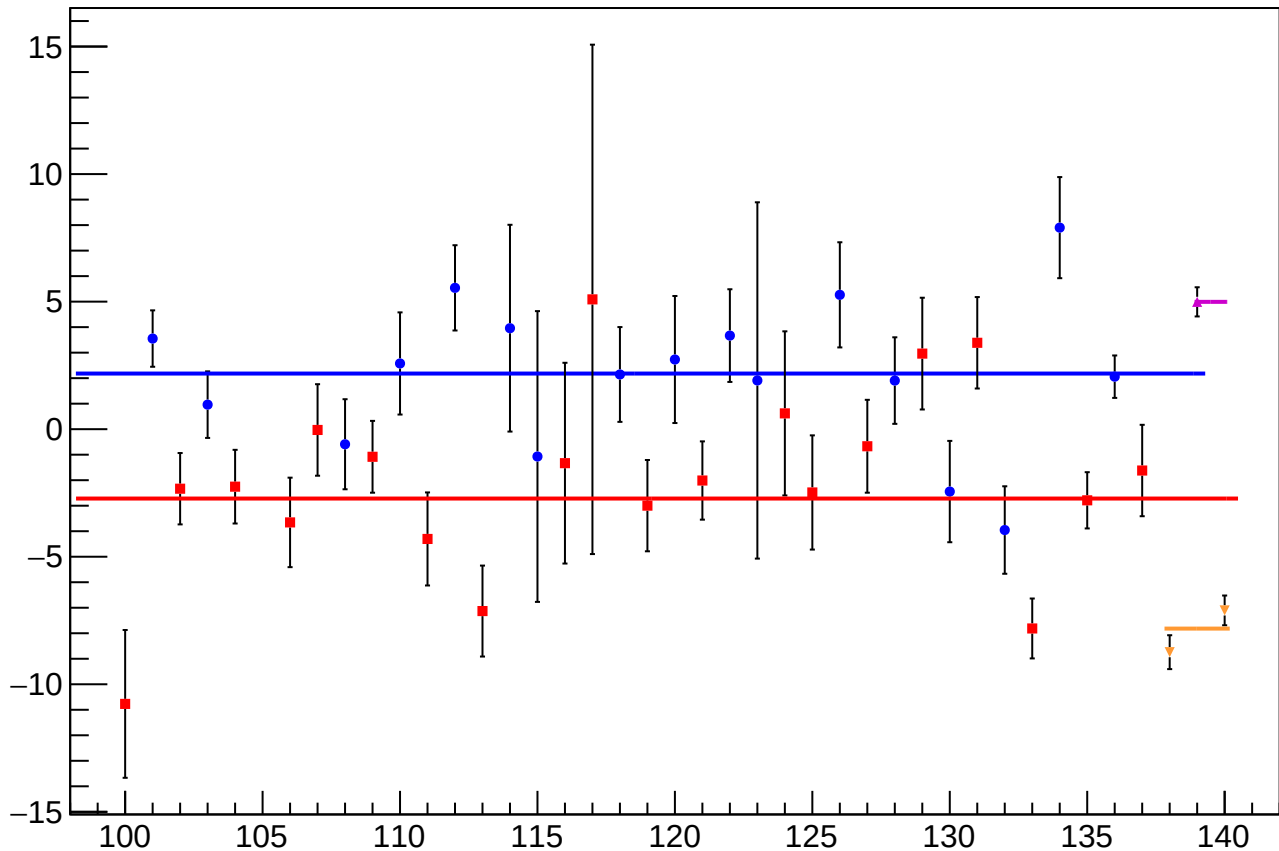
Left In: 71.657 ± 0.957 χ^2/NDF : 0.0/0

-60.299 ± 0.193 χ^2/NDF : 1984.5/18

-4.186 ± 0.141 χ^2/NDF : 185623.0/39

60.012 ± 0.207 χ^2/NDF : 3074.2/20

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181+/-0.406 χ^2/NDF : 39.0/16

Left Out: -7.817+/-0.438 χ^2/NDF : 3.4/1

Right Out: -2.719+/-0.388 χ^2/NDF : 59.5/19

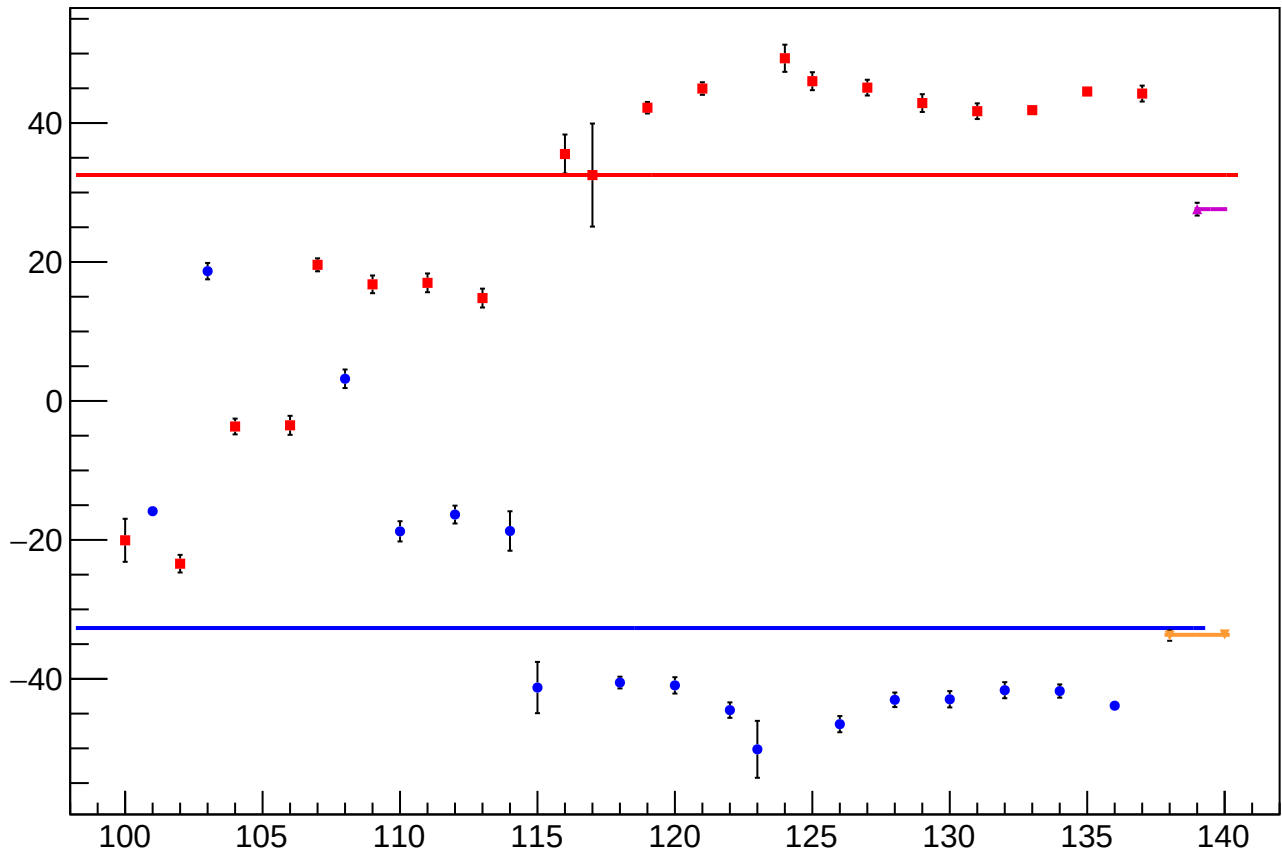
Left In: 4.991+/-0.572 χ^2/NDF : 0.0/0

-2.431+/-0.298 χ^2/NDF : 322.7/18

-1.442+/-0.218 χ^2/NDF : 530.6/39

-0.293+/-0.321 χ^2/NDF : 184.0/20

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -33.662 ± 0.443 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

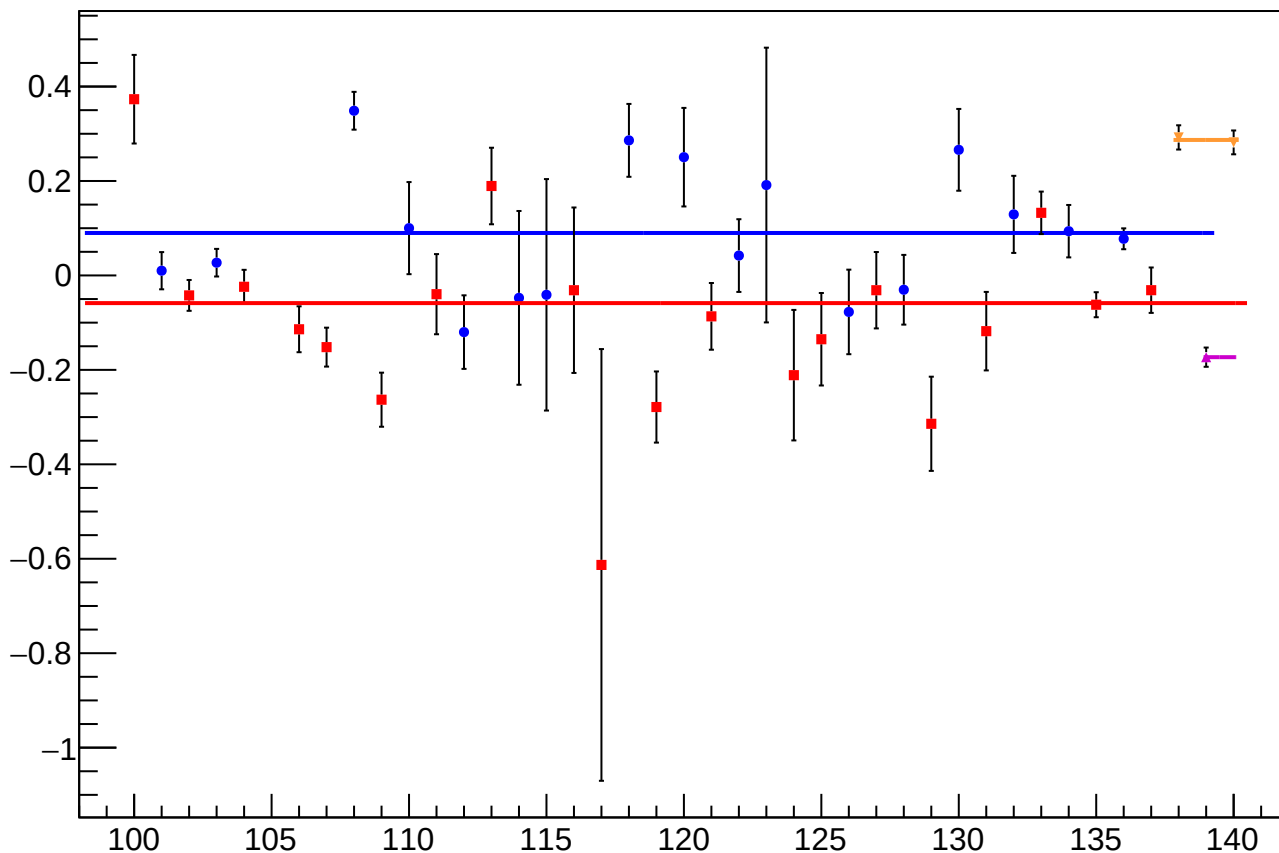
Left In: 27.607 ± 0.922 $\chi^2/\text{NDF}: 0.0/0$

-32.927 ± 0.222 $\chi^2/\text{NDF}: 4650.6/18$

-2.384 ± 0.161 $\chi^2/\text{NDF}: 51247.3/39$

32.202 ± 0.236 $\chi^2/\text{NDF}: 6071.9/20$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.287 $\pm$ 0.018 χ^2 /NDF: 0.1/1

Right Out: -0.059 $\pm$ 0.012 χ^2 /NDF: 88.6/19

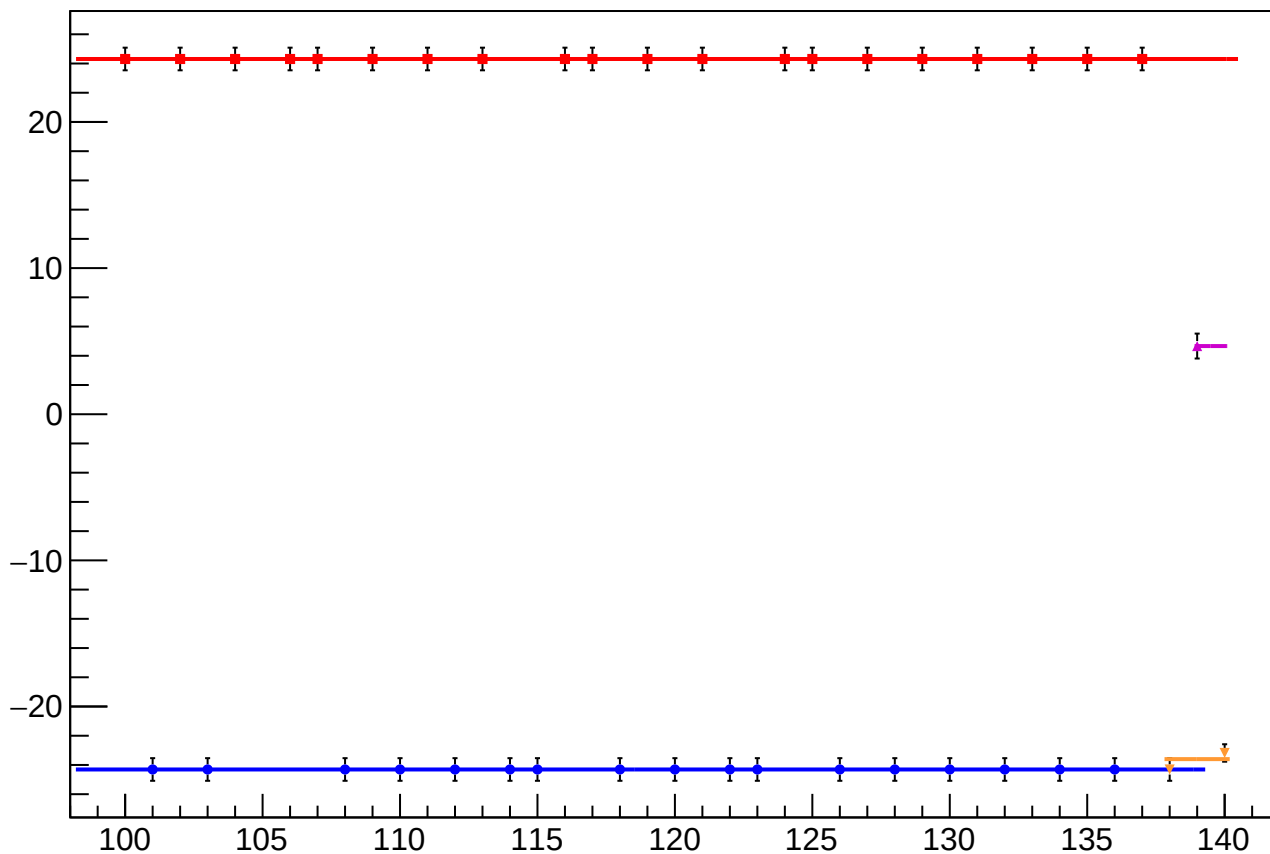
Left In: -0.173 $\pm$ 0.020 χ^2 /NDF: 0.0/0

0.156 $\pm$ 0.010 χ^2 /NDF: 158.7/18

0.034 $\pm$ 0.007 χ^2 /NDF: 545.3/39

-0.089 $\pm$ 0.010 χ^2 /NDF: 111.8/20

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.309 ± 0.188 χ^2/NDF : 0.0/16

Left Out: -23.600 ± 0.473 χ^2/NDF : 1.3/1

Right Out: 24.309 ± 0.173 χ^2/NDF : 0.0/19

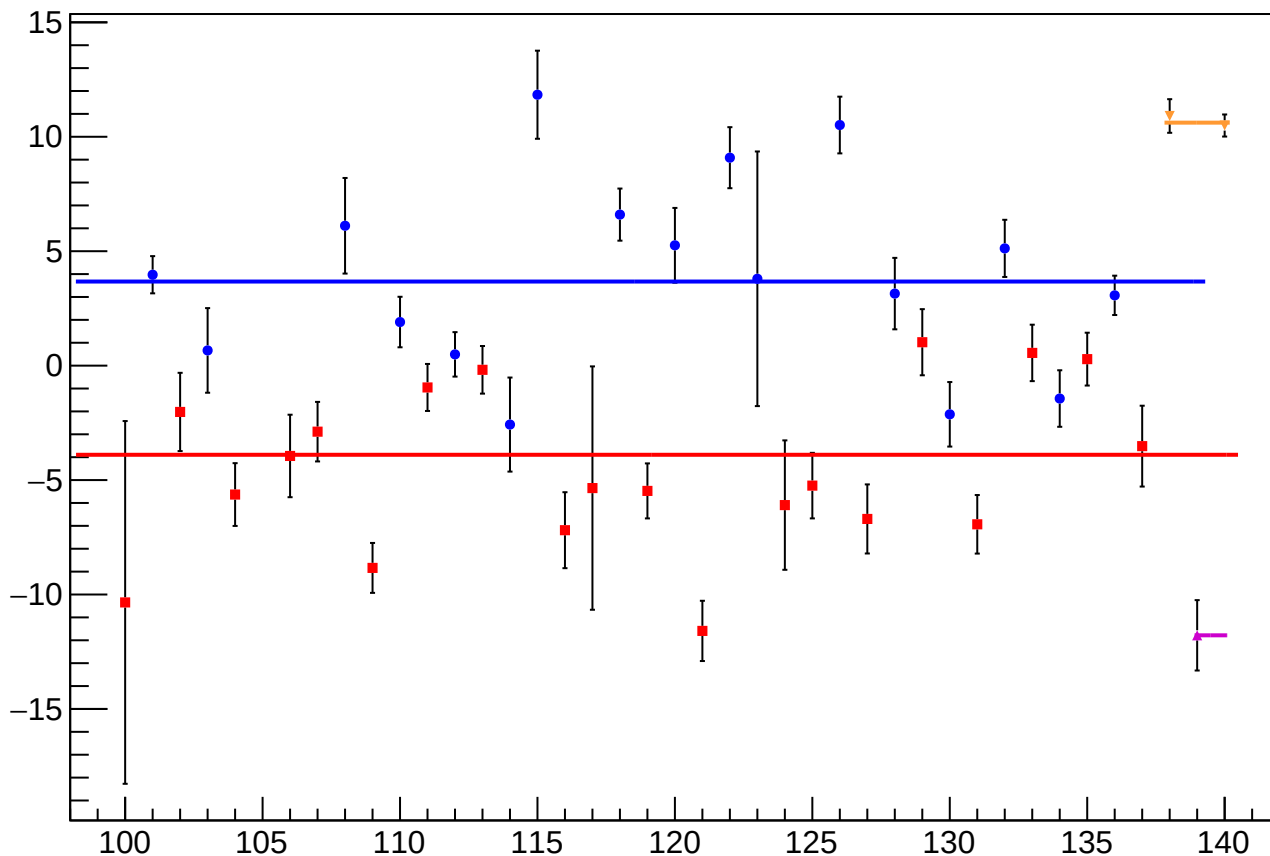
Left In: 4.665 ± 0.853 χ^2/NDF : 0.0/0

-24.213 ± 0.175 χ^2/NDF : 3.3/18

0.331 ± 0.122 χ^2/NDF : 38949.3/39

23.531 ± 0.170 χ^2/NDF : 509.8/20

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 $\chi^2/\text{NDF}: 135.2/16$

Left Out: 10.617 ± 0.403 $\chi^2/\text{NDF}: 0.2/1$

Right Out: -3.895 ± 0.316 $\chi^2/\text{NDF}: 133.8/19$

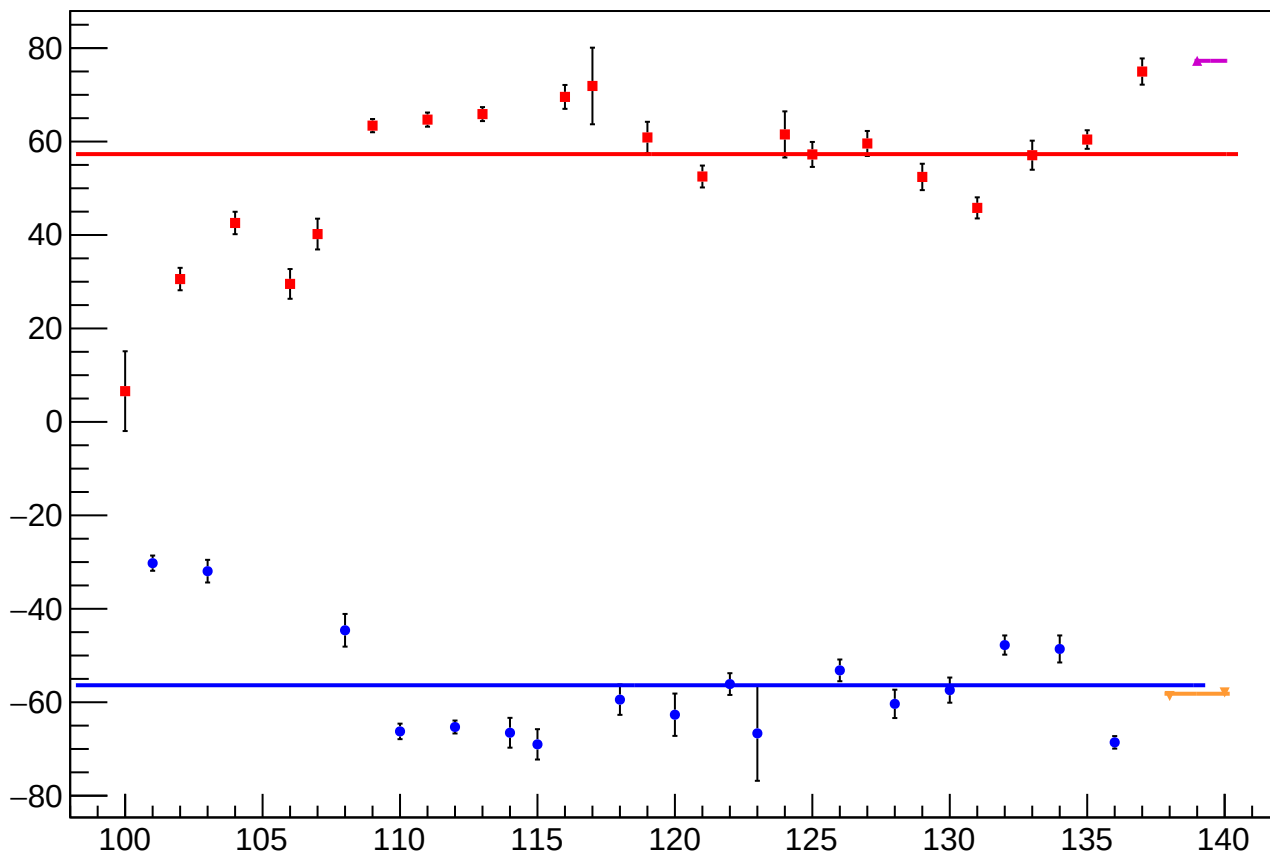
Left In: -11.783 ± 1.538 $\chi^2/\text{NDF}: 0.0/0$

6.257 ± 0.246 $\chi^2/\text{NDF}: 321.5/18$

2.199 ± 0.192 $\chi^2/\text{NDF}: 1183.0/39$

-4.214 ± 0.309 $\chi^2/\text{NDF}: 159.1/20$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 $\chi^2/\text{NDF}: 587.2/16$

Left Out: -58.177 ± 0.507 $\chi^2/\text{NDF}: 0.5/1$

Right Out: 57.314 ± 0.535 $\chi^2/\text{NDF}: 479.2/19$

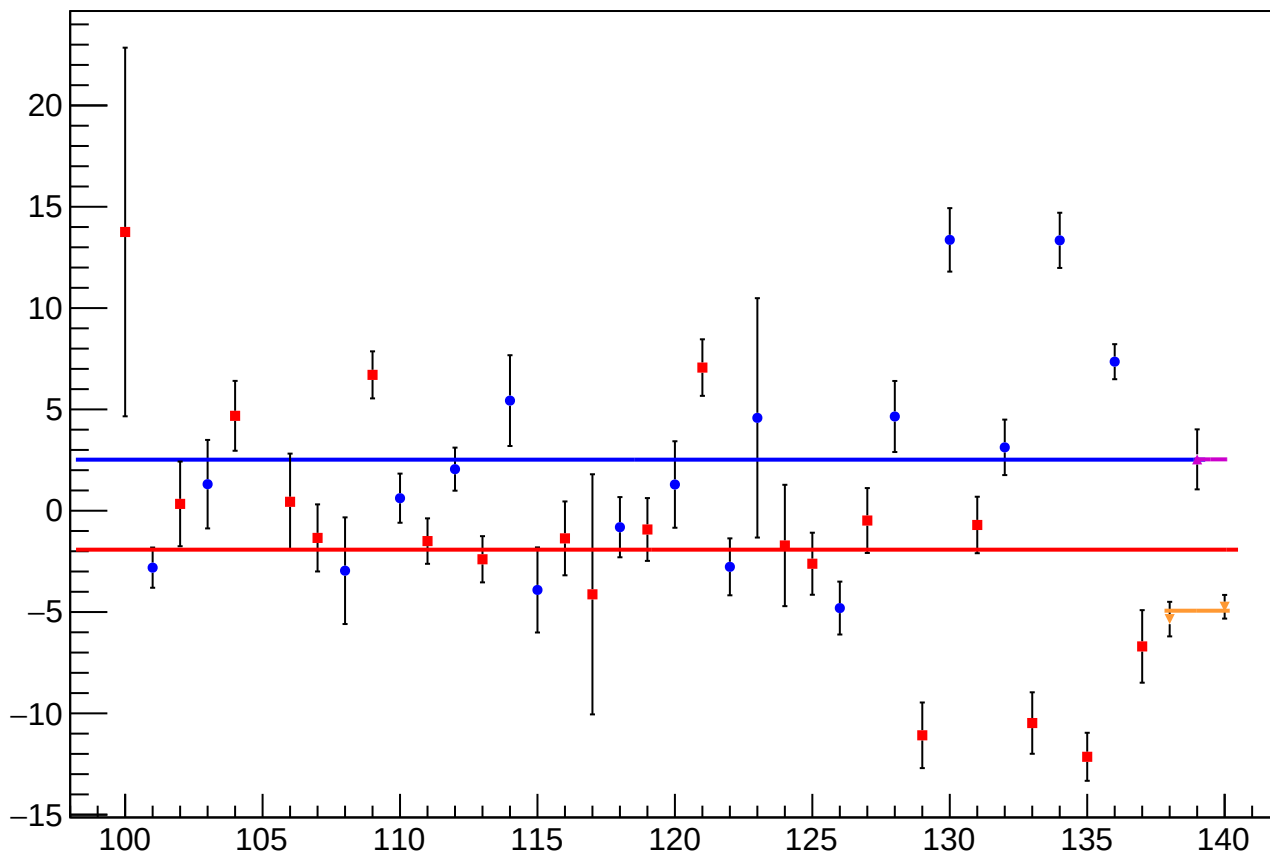
Left In: 77.281 ± 0.923 $\chi^2/\text{NDF}: 0.0/0$

-57.333 ± 0.371 $\chi^2/\text{NDF}: 593.7/18$

-10.593 ± 0.289 $\chi^2/\text{NDF}: 42165.8/39$

62.336 ± 0.463 $\chi^2/\text{NDF}: 829.5/20$

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: -4.934 ± 0.482 χ^2/NDF : 0.3/1

Right Out: -1.922 ± 0.354 χ^2/NDF : 264.7/19

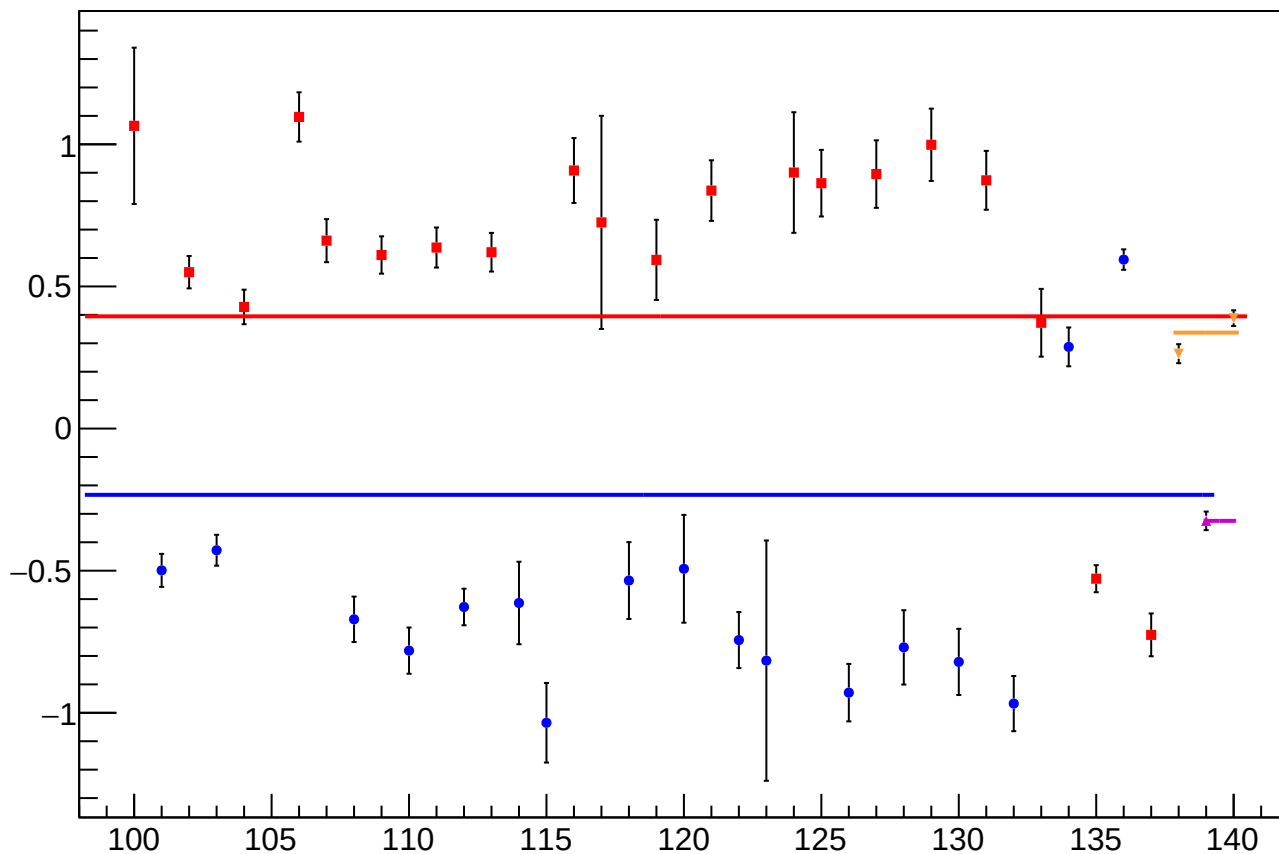
Left In: 2.535 ± 1.481 χ^2/NDF : 0.0/0

-0.026 ± 0.282 χ^2/NDF : 400.2/18

-0.689 ± 0.218 χ^2/NDF : 687.3/39

-1.681 ± 0.345 χ^2/NDF : 273.3/20

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: 0.338 ± 0.021 χ^2/NDF : 8.3/1

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

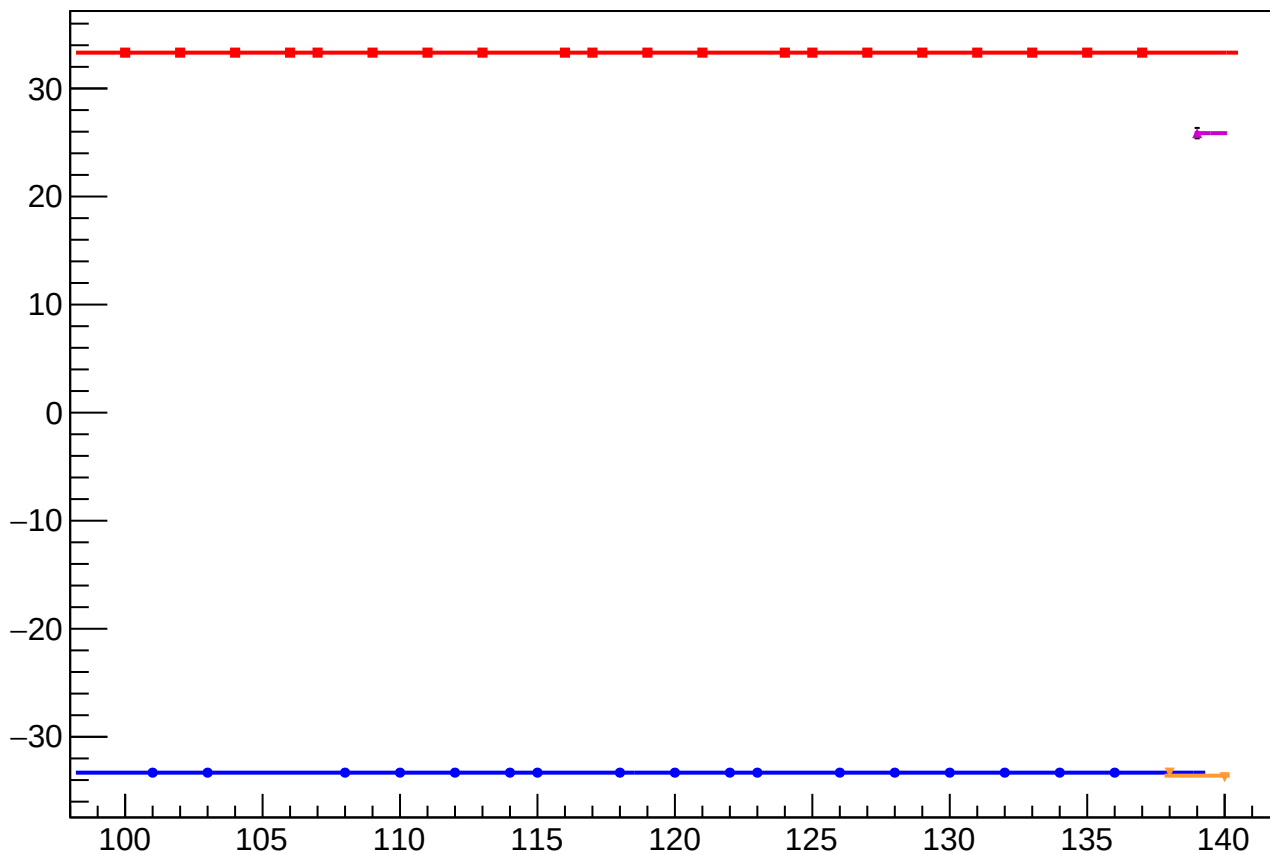
Left In: -0.325 ± 0.033 χ^2/NDF : 0.0/0

0.018 ± 0.014 χ^2/NDF : 1365.9/18

0.101 ± 0.011 χ^2/NDF : 2656.3/39

0.213 ± 0.016 χ^2/NDF : 1209.0/20

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.316 ± 0.112 χ^2/NDF : 0.0/16

Left Out: -33.593 ± 0.269 χ^2/NDF : 0.6/1

Right Out: 33.316 ± 0.103 χ^2/NDF : 0.0/19

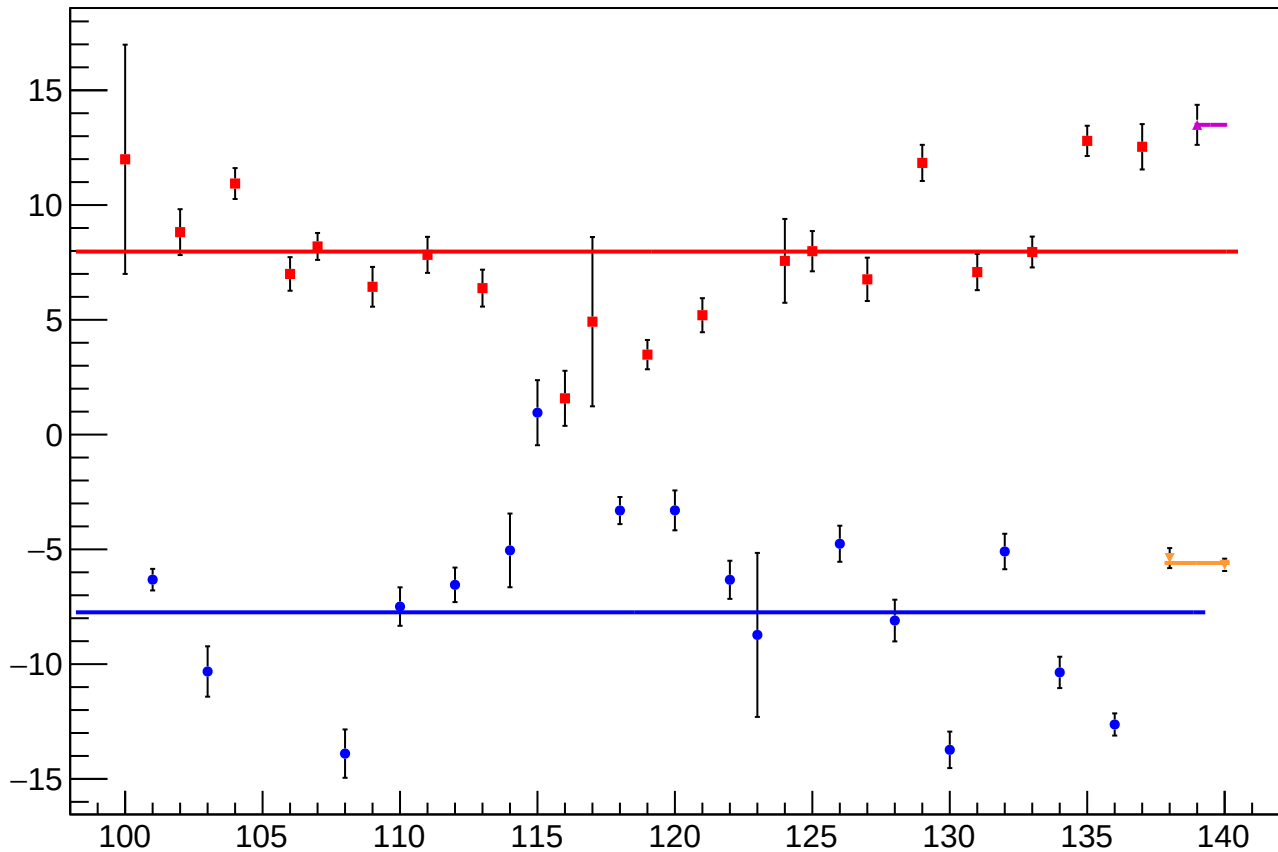
Left In: 25.866 ± 0.481 χ^2/NDF : 0.0/0

-33.356 ± 0.103 χ^2/NDF : 1.5/18

0.625 ± 0.072 χ^2/NDF : 212428.9/39

32.990 ± 0.101 χ^2/NDF : 229.4/20

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -5.593 ± 0.228 χ^2/NDF : 0.3/1

Right Out: 7.973 ± 0.186 χ^2/NDF : 224.2/19

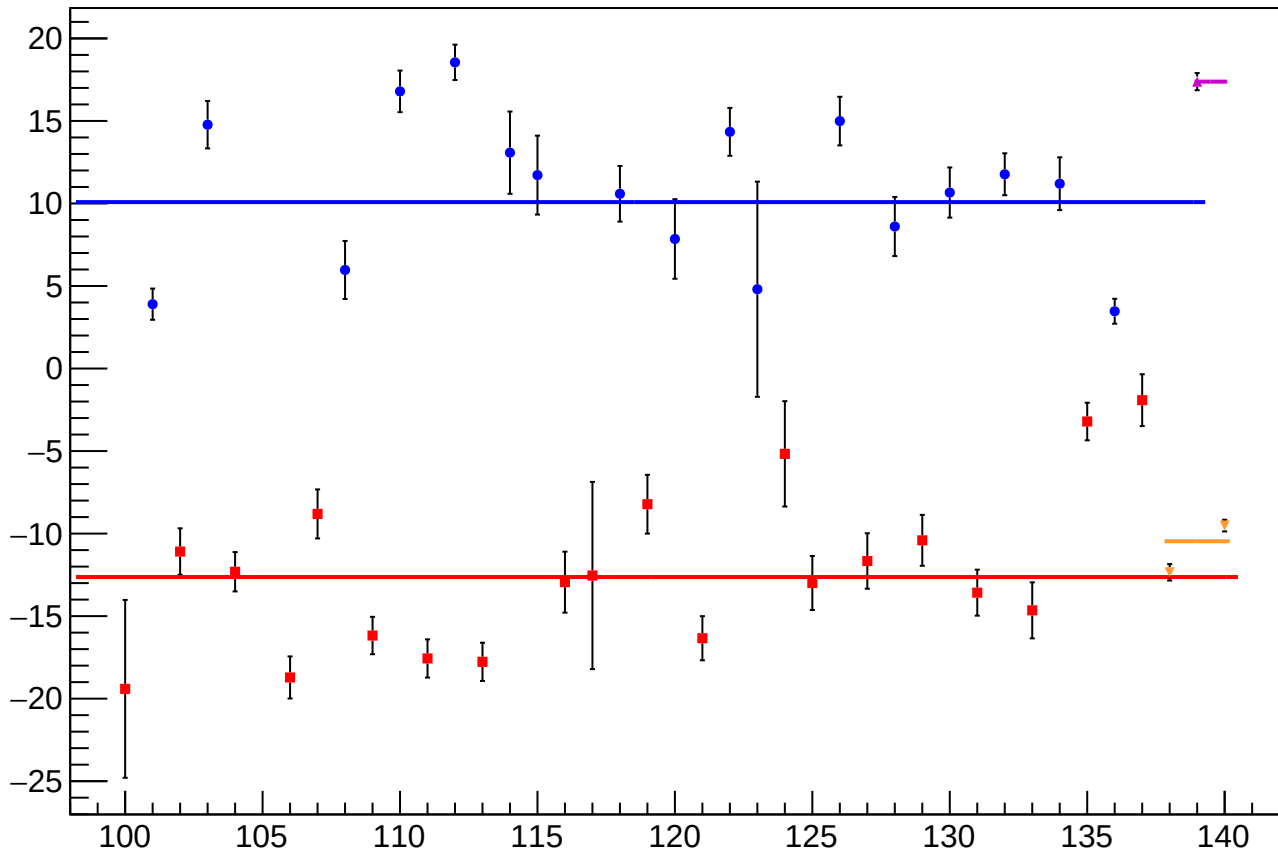
Left In: 13.494 ± 0.872 χ^2/NDF : 0.0/0

-6.879 ± 0.145 χ^2/NDF : 430.9/18

-1.015 ± 0.113 χ^2/NDF : 4920.0/39

8.212 ± 0.182 χ^2/NDF : 262.6/20

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: -10.463 ± 0.288 χ^2/NDF : 21.5/1

Right Out: -12.631 ± 0.332 χ^2/NDF : 218.6/19

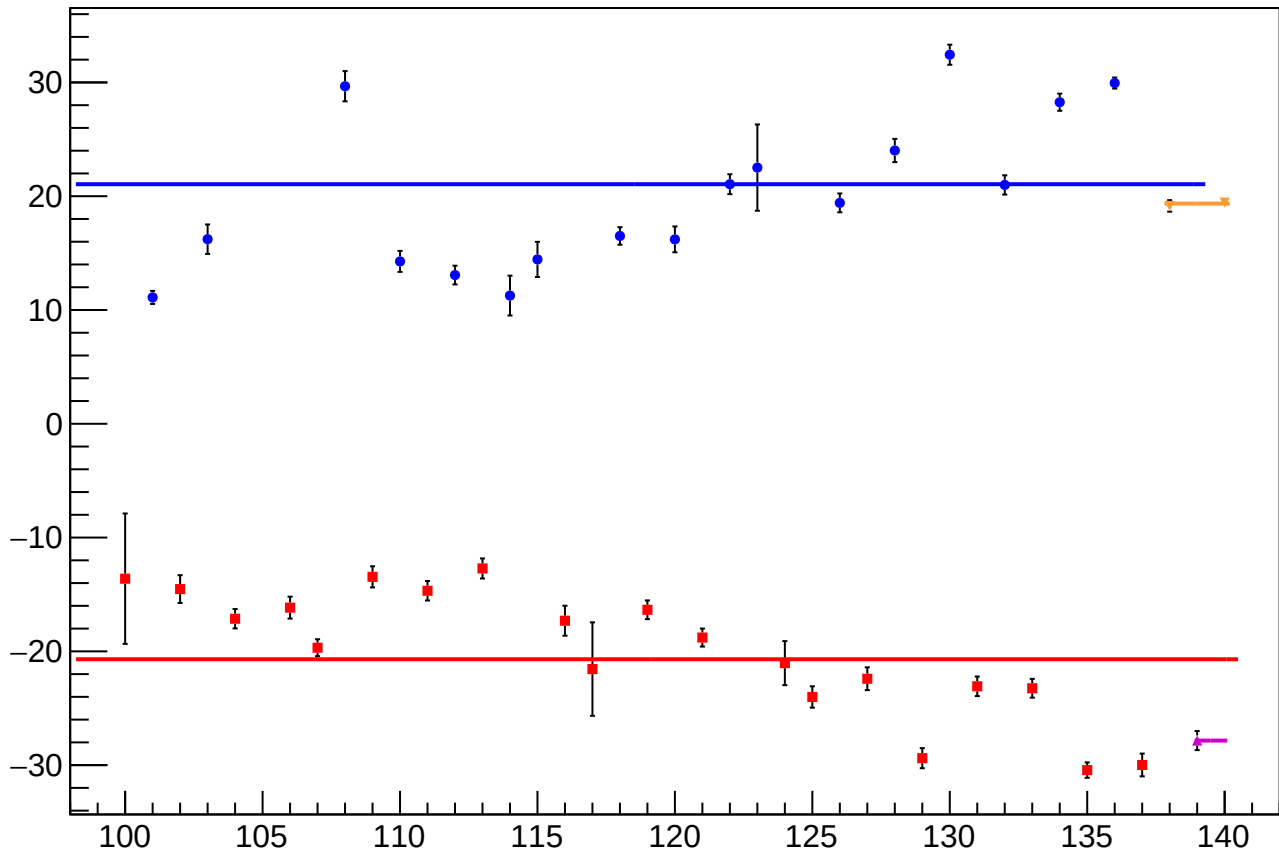
Left In: 17.381 ± 0.520 χ^2/NDF : 0.0/0

-1.807 ± 0.219 χ^2/NDF : 2413.4/18

-2.617 ± 0.173 χ^2/NDF : 5034.0/39

-3.937 ± 0.280 χ^2/NDF : 2584.7/20

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 $\pm$ 0.211 χ^2/NDF : 1211.8/16

Left Out: 19.352 $\pm$ 0.273 χ^2/NDF : 0.2/1

Right Out: -20.696 $\pm$ 0.212 χ^2/NDF : 724.1/19

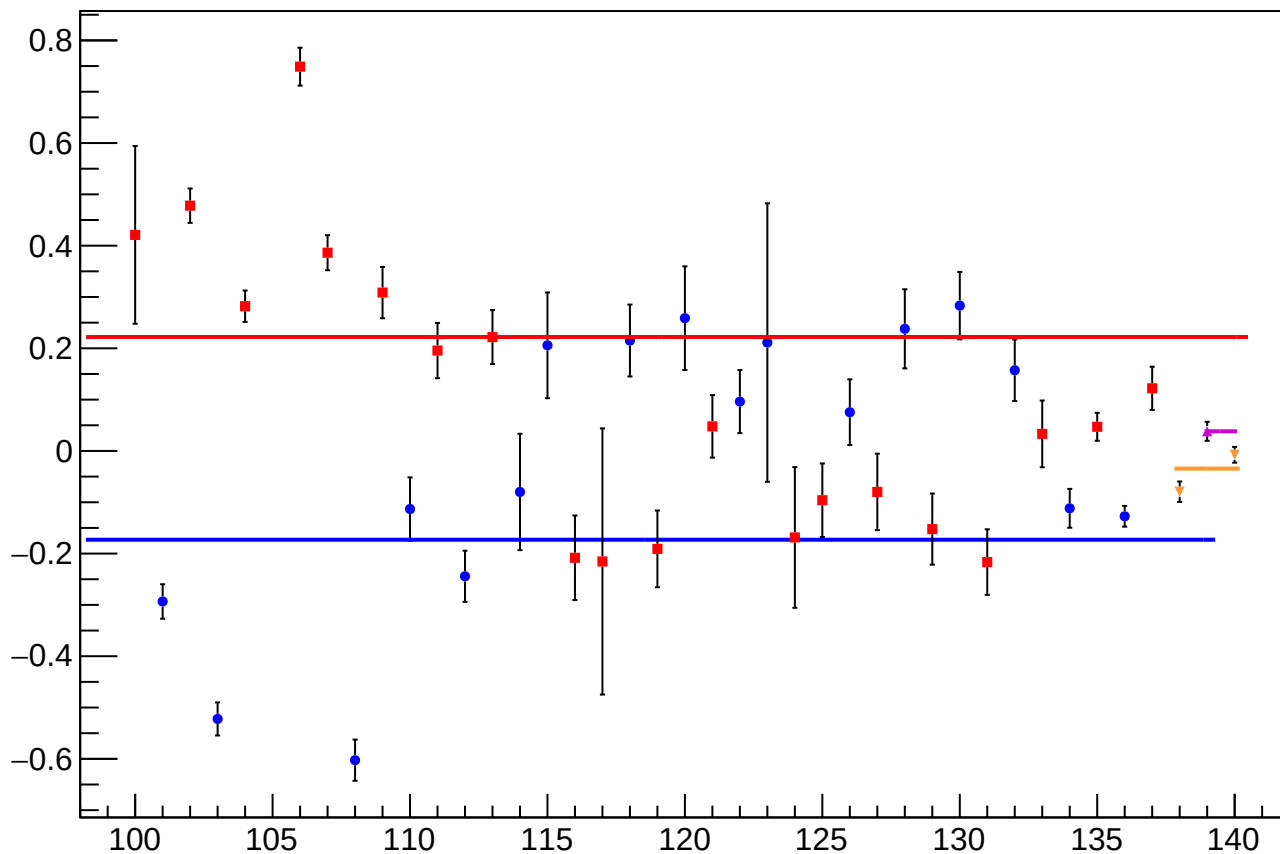
Left In: -27.842 $\pm$ 0.840 χ^2/NDF : 0.0/0

20.420 $\pm$ 0.167 χ^2/NDF : 1236.4/18

3.958 $\pm$ 0.130 χ^2/NDF : 26589.1/39

-21.126 $\pm$ 0.206 χ^2/NDF : 792.2/20

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: -0.034 ± 0.012 χ^2/NDF : 8.2/1

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

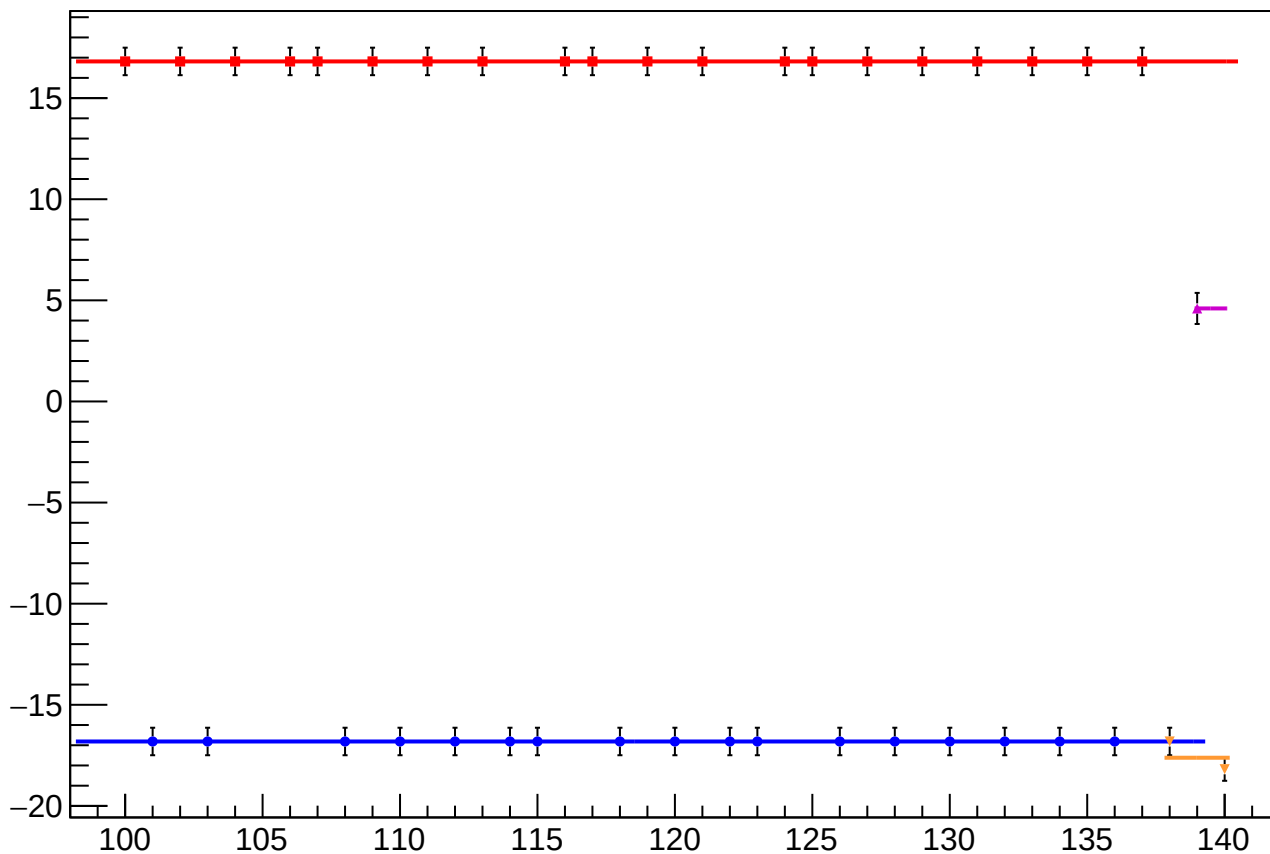
Left In: 0.038 ± 0.019 χ^2/NDF : 0.0/0

-0.109 ± 0.008 χ^2/NDF : 540.2/18

0.014 ± 0.006 χ^2/NDF : 1664.8/39

0.175 ± 0.009 χ^2/NDF : 610.9/20

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.814 $\pm$ 0.165 χ^2 /NDF: 0.0/16

Left Out: -17.618 $\pm$ 0.438 χ^2 /NDF: 2.4/1

Right Out: 16.814 $\pm$ 0.152 χ^2 /NDF: 0.0/19

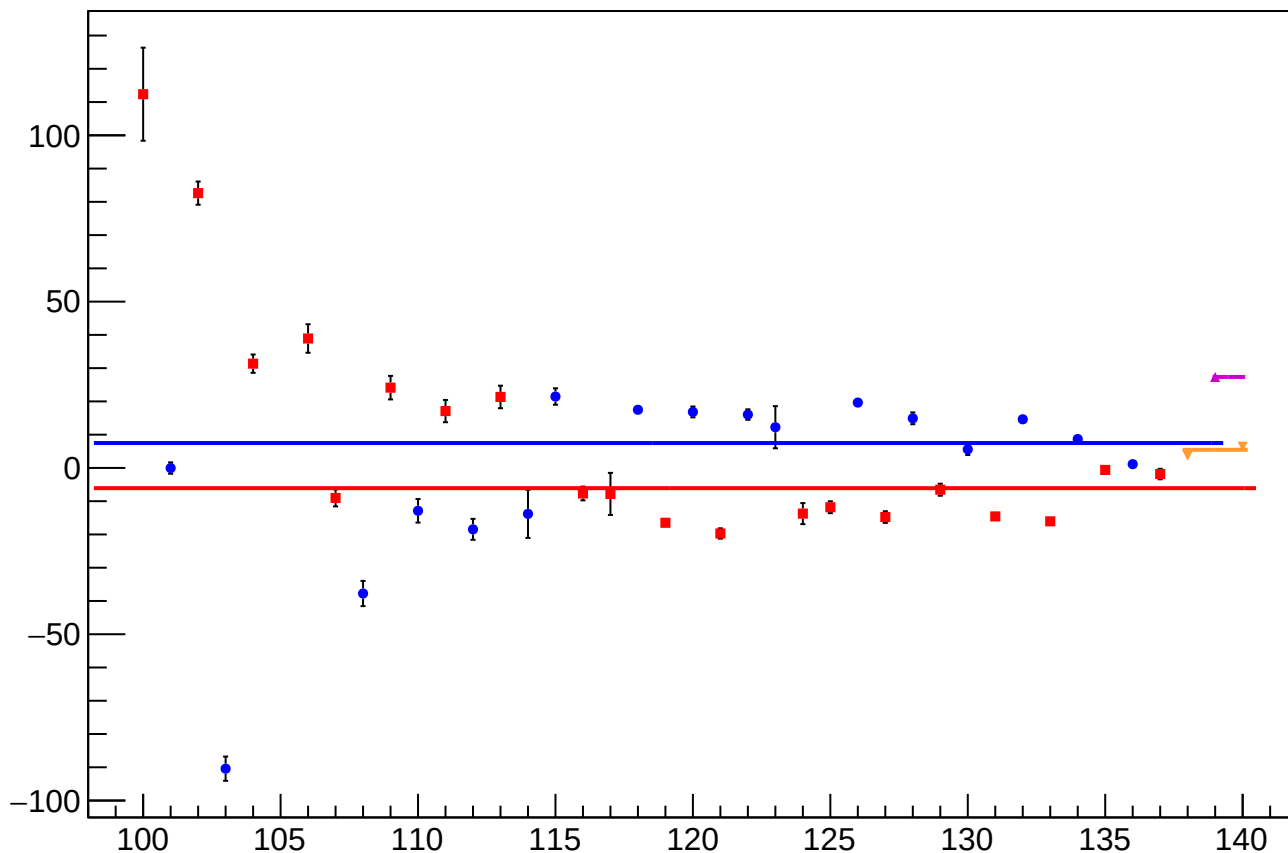
Left In: 4.600 $\pm$ 0.768 χ^2 /NDF: 0.0/0

-16.914 $\pm$ 0.154 χ^2 /NDF: 5.3/18

0.287 $\pm$ 0.107 χ^2 /NDF: 24261.7/39

16.354 $\pm$ 0.149 χ^2 /NDF: 243.2/20

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: 5.449+/-0.378 χ^2/NDF : 11.6/1

Right Out: -6.086+/-0.433 χ^2/NDF : 1512.2/19

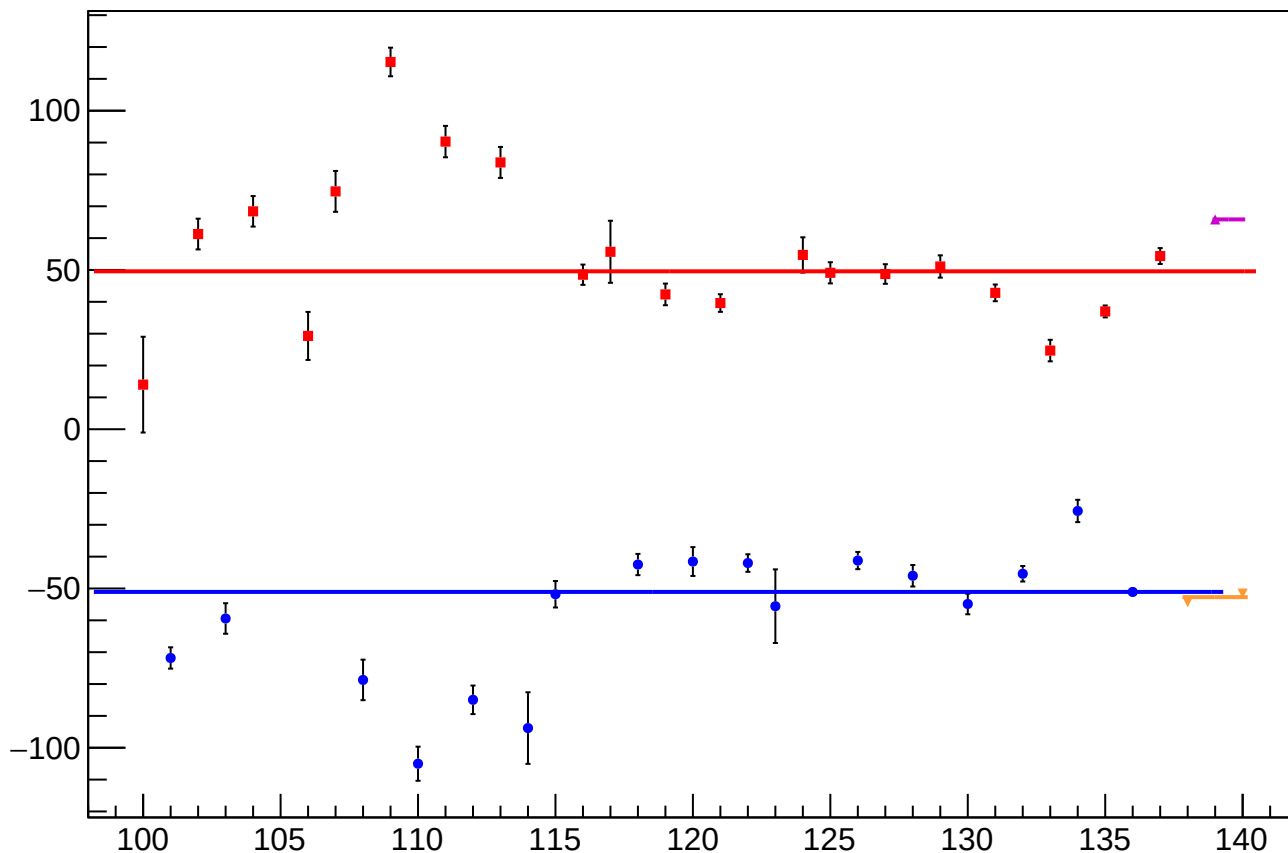
Left In: 27.357+/-1.382 χ^2/NDF : 0.0/0

6.393+/-0.277 χ^2/NDF : 1365.6/18

3.458+/-0.230 χ^2/NDF : 3774.8/39

-3.092+/-0.413 χ^2/NDF : 2045.6/20

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.077 $\pm$ 0.741 χ^2 /NDF: 330.2/16

Left Out: -52.712 $\pm$ 0.469 χ^2 /NDF: 8.2/1

Right Out: 49.579 $\pm$ 0.796 χ^2 /NDF: 510.0/19

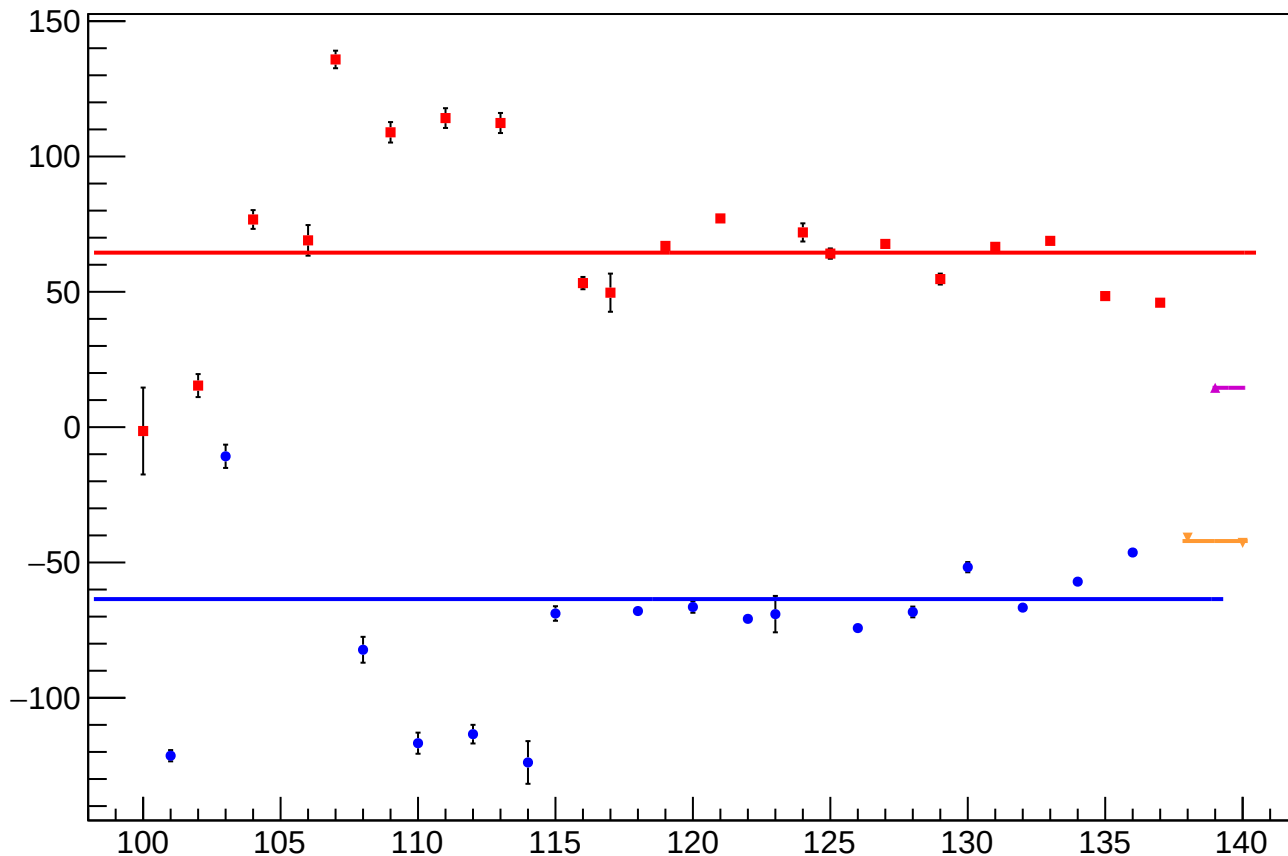
Left In: 65.874 $\pm$ 0.832 χ^2 /NDF: 0.0/0

-52.244 $\pm$ 0.397 χ^2 /NDF: 341.9/18

-16.918 $\pm$ 0.326 χ^2 /NDF: 25672.0/39

57.364 $\pm$ 0.575 χ^2 /NDF: 710.3/20

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: -42.077±/0.450 χ^2 /NDF: 4.3/1

Right Out: 64.470±/0.482 χ^2 /NDF: 1607.5/19

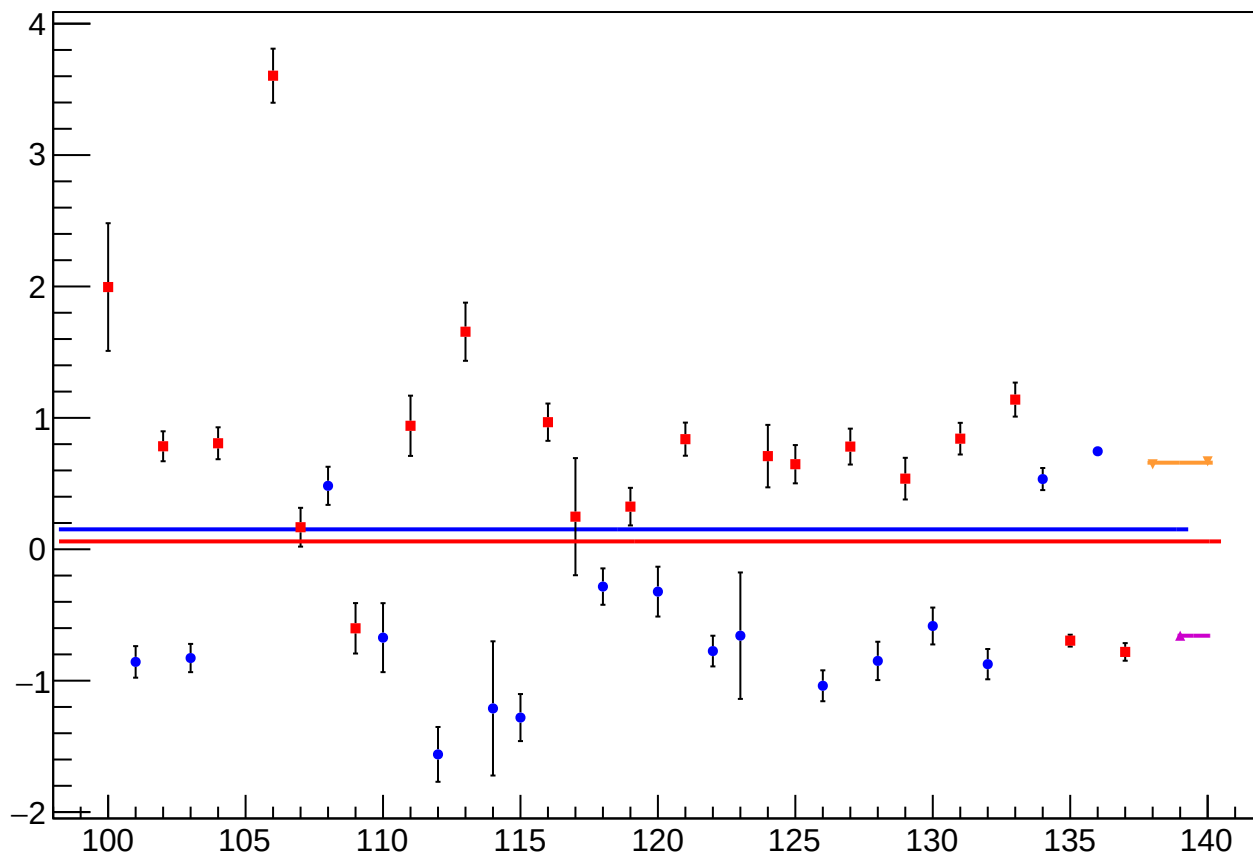
Left In: 14.542±/1.330 χ^2 /NDF: 0.0/0

-52.844±/0.318 χ^2 /NDF: 3153.2/18

-16.049±/0.260 χ^2 /NDF: 46614.1/39

58.677±/0.453 χ^2 /NDF: 2853.3/20

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.659 ± 0.020 $\chi^2/\text{NDF}: 0.3/1$

Right Out: 0.060 ± 0.026 $\chi^2/\text{NDF}: 1162.1/19$

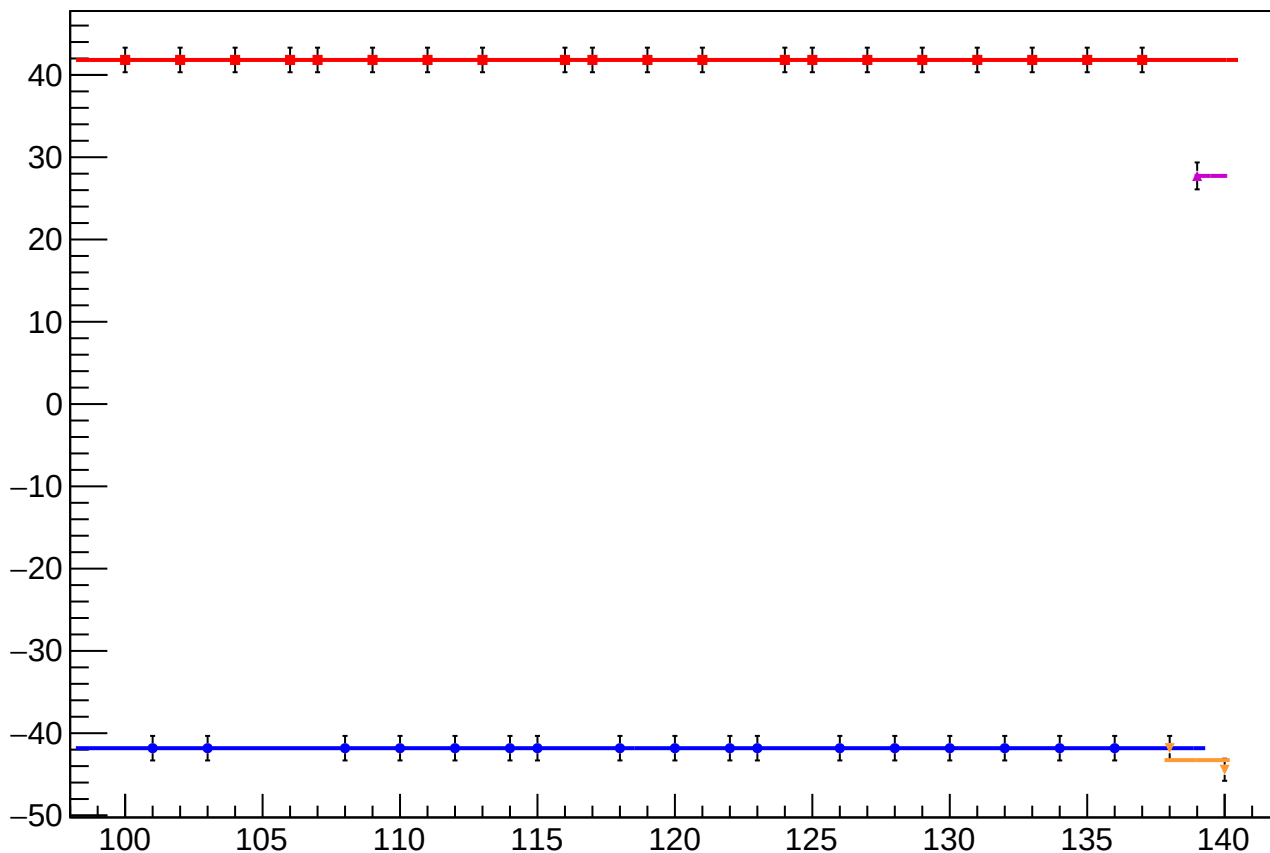
Left In: -0.658 ± 0.029 $\chi^2/\text{NDF}: 0.0/0$

0.455 ± 0.015 $\chi^2/\text{NDF}: 1254.0/18$

0.185 ± 0.012 $\chi^2/\text{NDF}: 3578.1/39$

-0.259 ± 0.020 $\chi^2/\text{NDF}: 1494.5/20$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -41.821 $\pm$ 0.362 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -43.272 $\pm$ 0.998 $\chi^2/\text{NDF}: 1.7/1$

Right Out: 41.821 $\pm$ 0.334 $\chi^2/\text{NDF}: 0.0/19$

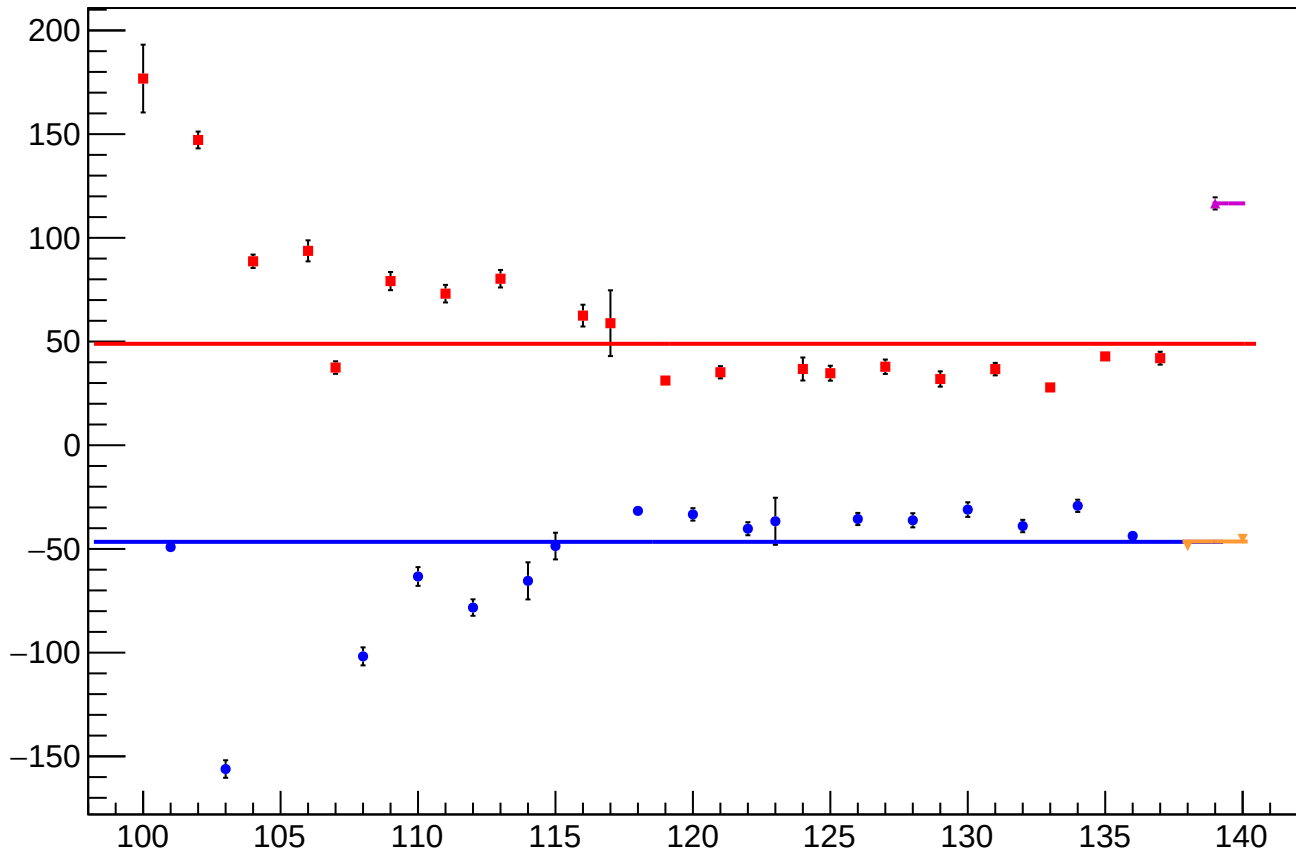
Left In: 27.729 $\pm$ 1.636 $\chi^2/\text{NDF}: 0.0/0$

-41.990 $\pm$ 0.340 $\chi^2/\text{NDF}: 3.6/18$

1.291 $\pm$ 0.236 $\chi^2/\text{NDF}: 31198.9/39$

41.258 $\pm$ 0.327 $\chi^2/\text{NDF}: 71.3/20$

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: -46.406±0.883 χ^2/NDF : 3.6/1

Right Out: 48.911±0.763 χ^2/NDF : 1277.9/19

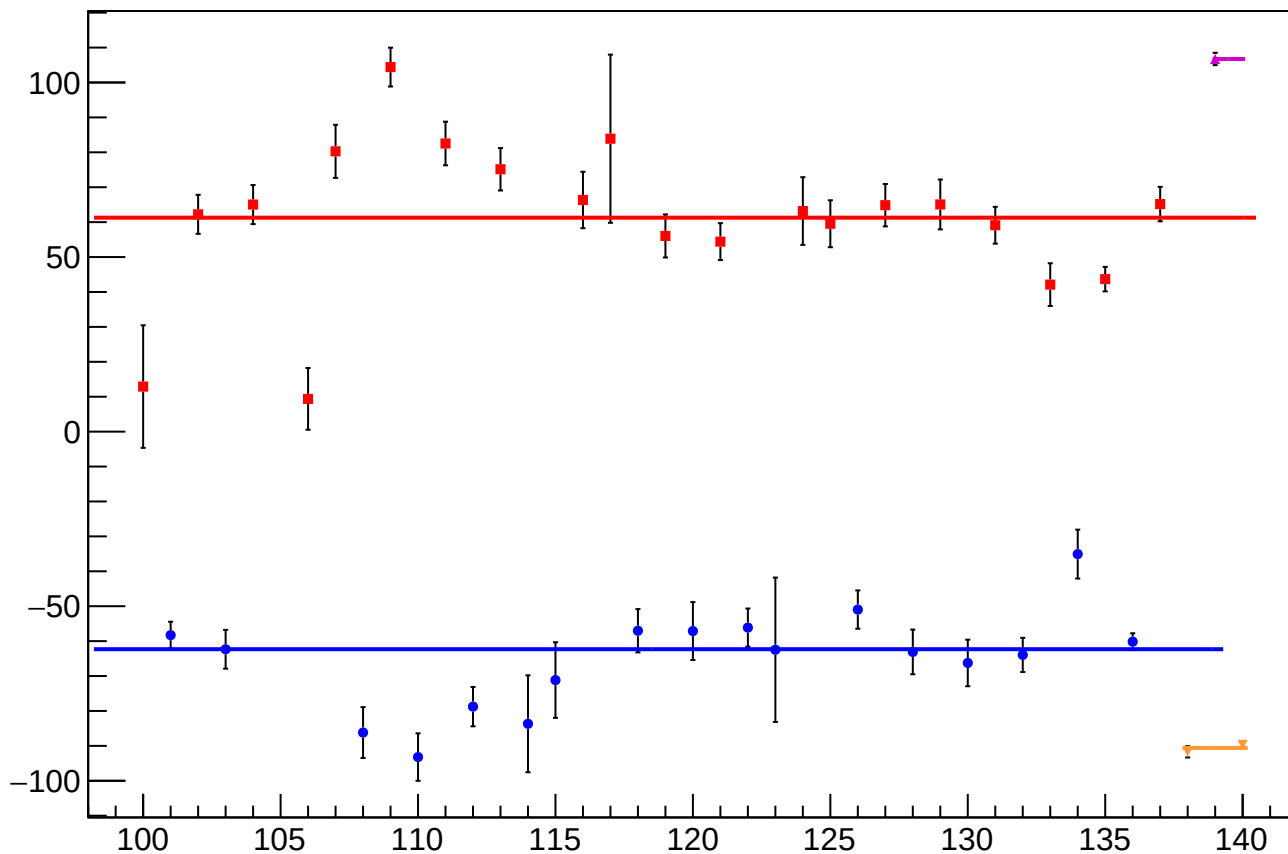
Left In: 116.607±2.930 χ^2/NDF : 0.0/0

-46.508±0.563 χ^2/NDF : 1080.0/18

-9.861±0.447 χ^2/NDF : 14403.5/39

53.205±0.738 χ^2/NDF : 1777.7/20

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: -90.585 ± 1.071 χ^2/NDF : 0.9/1

Right Out: 61.277 ± 1.379 χ^2/NDF : 165.9/19

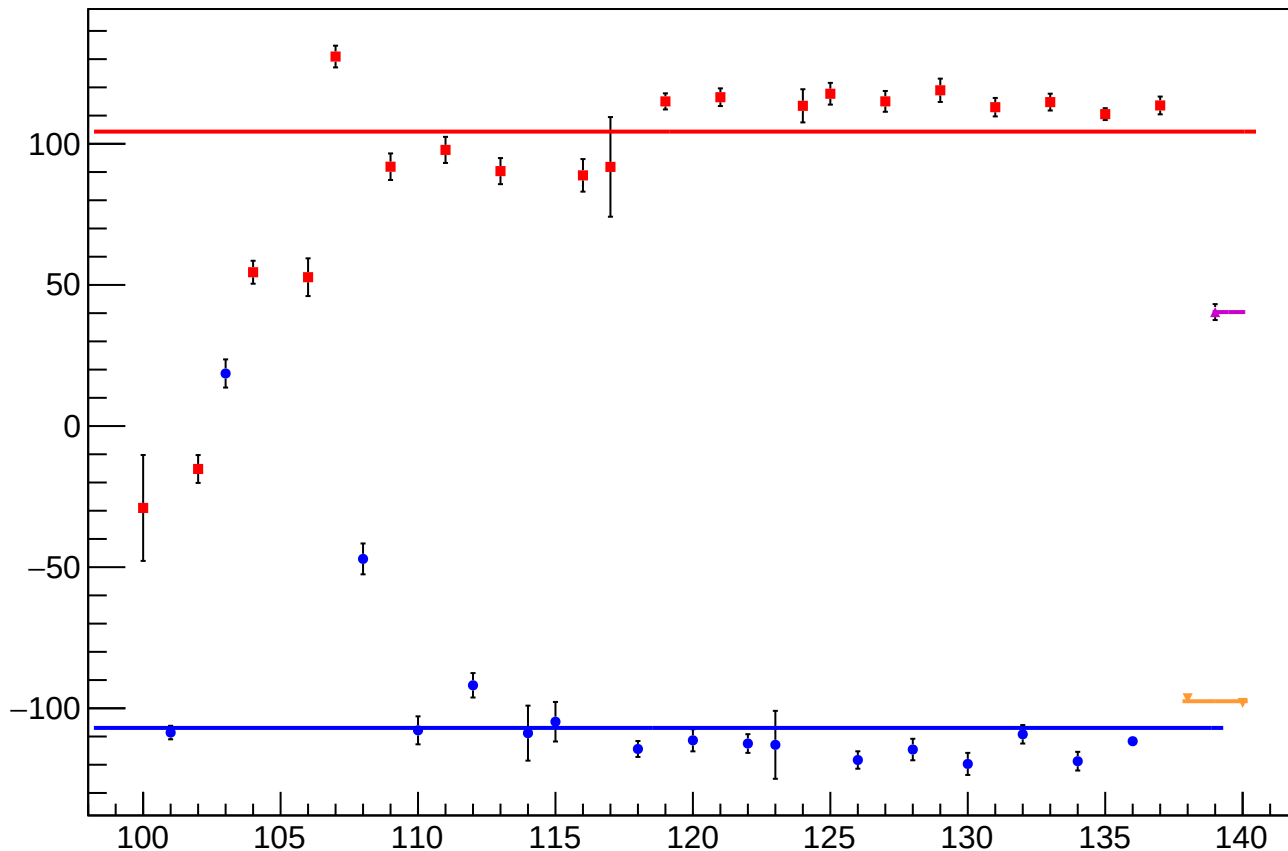
Left In: 106.738 ± 1.773 χ^2/NDF : 0.0/0

-79.319 ± 0.831 χ^2/NDF : 345.7/18

-21.265 ± 0.660 χ^2/NDF : 14197.0/39

78.414 ± 1.088 χ^2/NDF : 575.7/20

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -97.494 ± 1.047 χ^2/NDF : 0.6/1

Right Out: 104.326 ± 0.860 χ^2/NDF : 1021.5/19

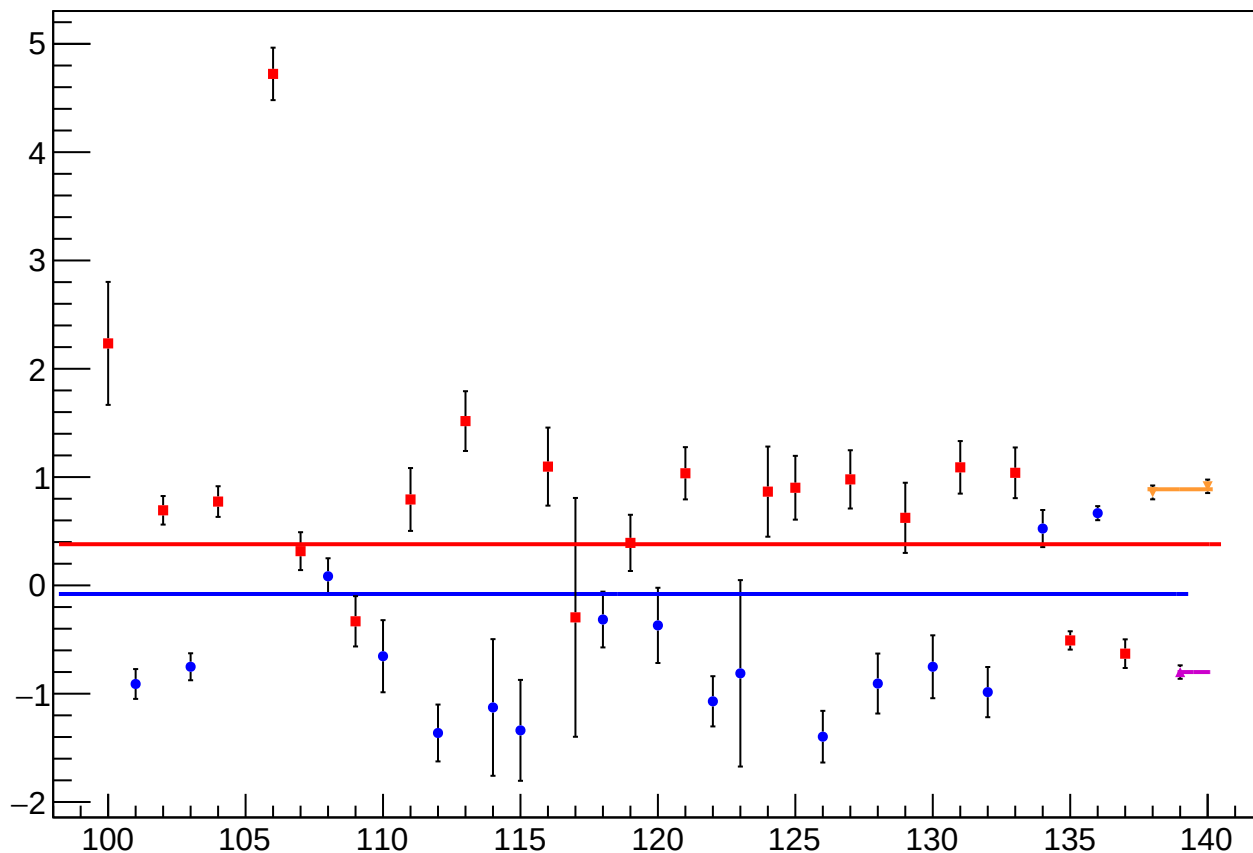
Left In: 40.385 ± 2.820 χ^2/NDF : 0.0/0

-103.373 ± 0.644 χ^2/NDF : 878.6/18

-26.518 ± 0.507 χ^2/NDF : 39827.2/39

98.881 ± 0.823 χ^2/NDF : 1491.9/20

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: 0.887 ± 0.045 χ^2/NDF : 0.4/1

Right Out: 0.380 ± 0.044 χ^2/NDF : 580.9/19

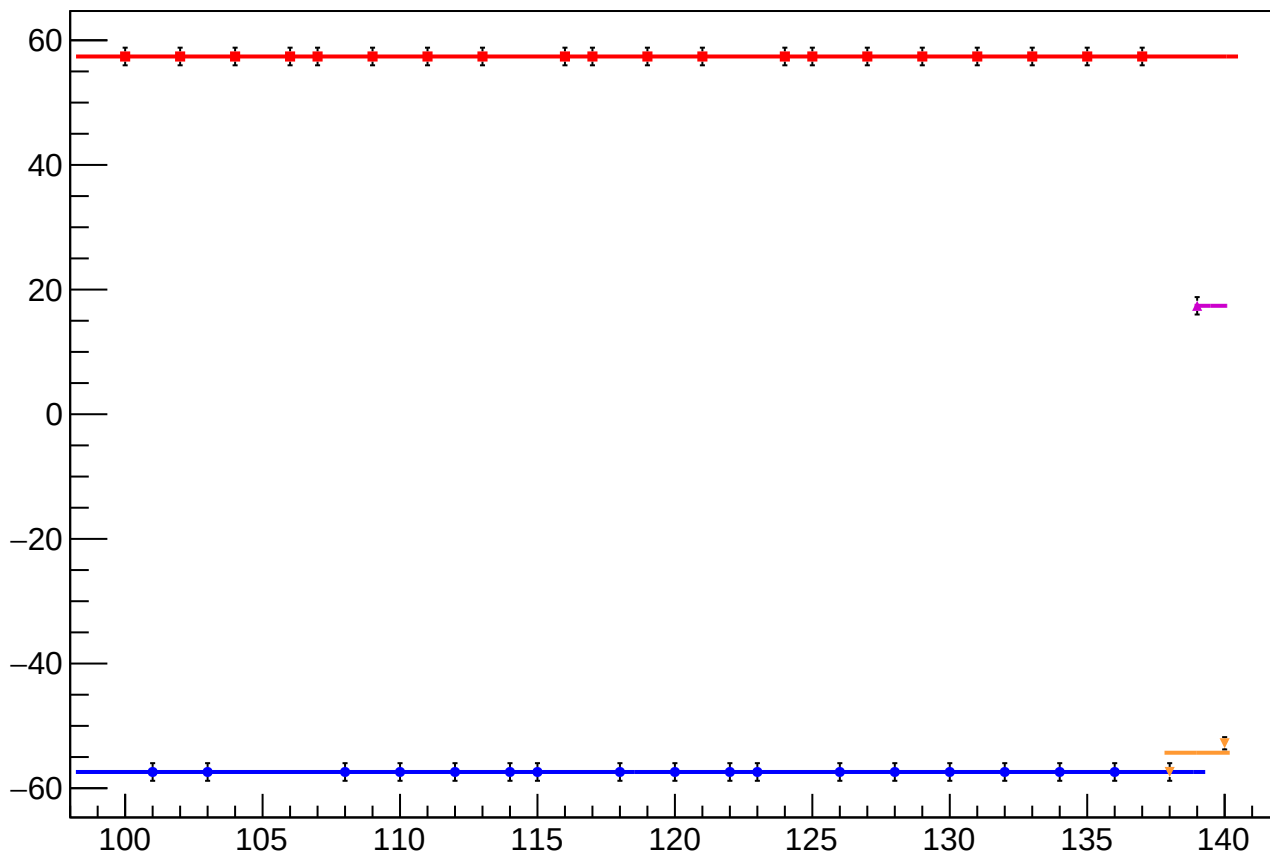
Left In: -0.800 ± 0.062 χ^2/NDF : 0.0/0

0.378 ± 0.031 χ^2/NDF : 576.6/18

0.213 ± 0.023 χ^2/NDF : 1466.3/39

-0.013 ± 0.036 χ^2/NDF : 821.0/20

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -57.398 ± 0.343 χ^2/NDF : 0.0/16

Left Out: -54.309 ± 0.811 χ^2/NDF : 7.1/1

Right Out: 57.398 ± 0.316 χ^2/NDF : 0.0/19

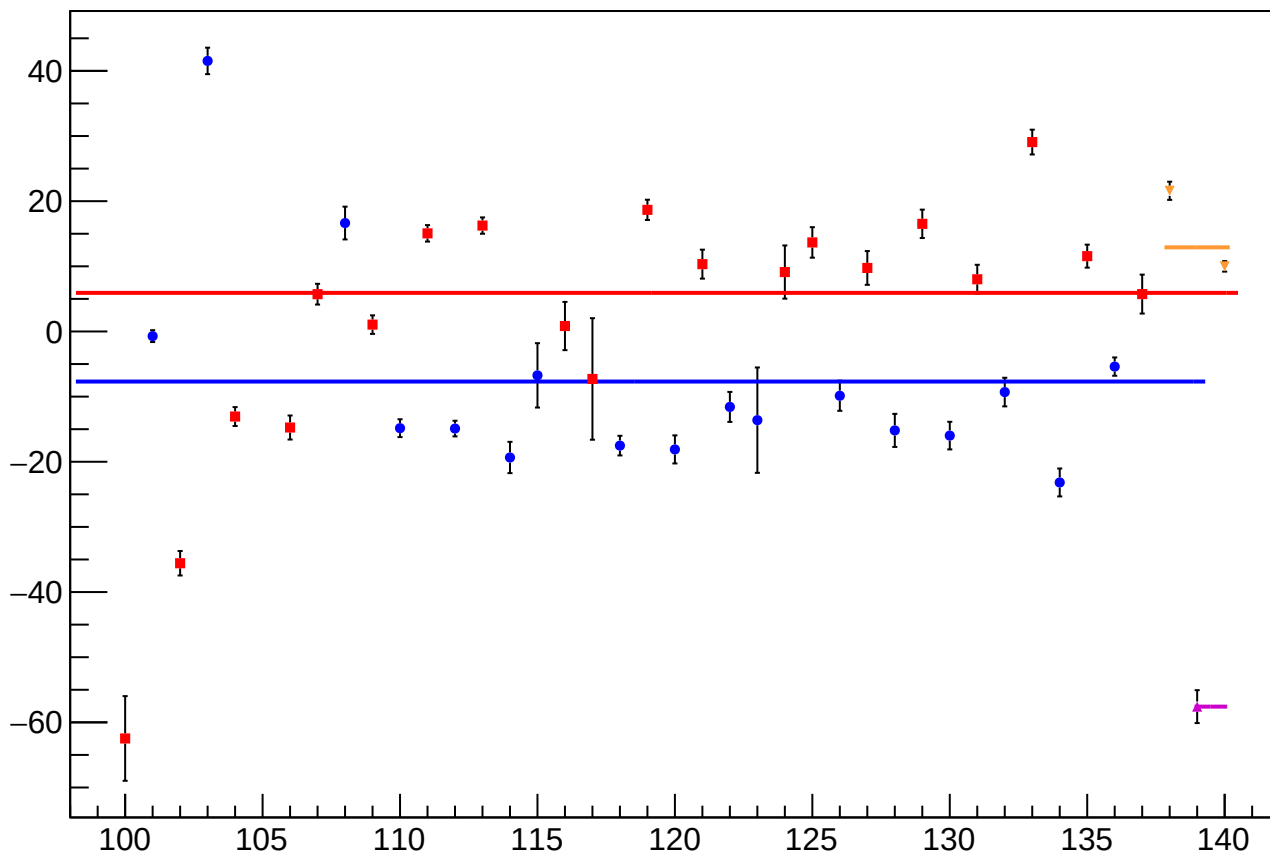
Left In: 17.397 ± 1.397 χ^2/NDF : 0.0/0

-56.929 ± 0.316 χ^2/NDF : 19.4/18

0.606 ± 0.221 χ^2/NDF : 65540.8/39

55.446 ± 0.309 χ^2/NDF : 780.1/20

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 $\chi^2/\text{NDF}: 975.9/16$

Left Out: 12.913 ± 0.699 $\chi^2/\text{NDF}: 51.8/1$

Right Out: 5.925 ± 0.428 $\chi^2/\text{NDF}: 1300.1/19$

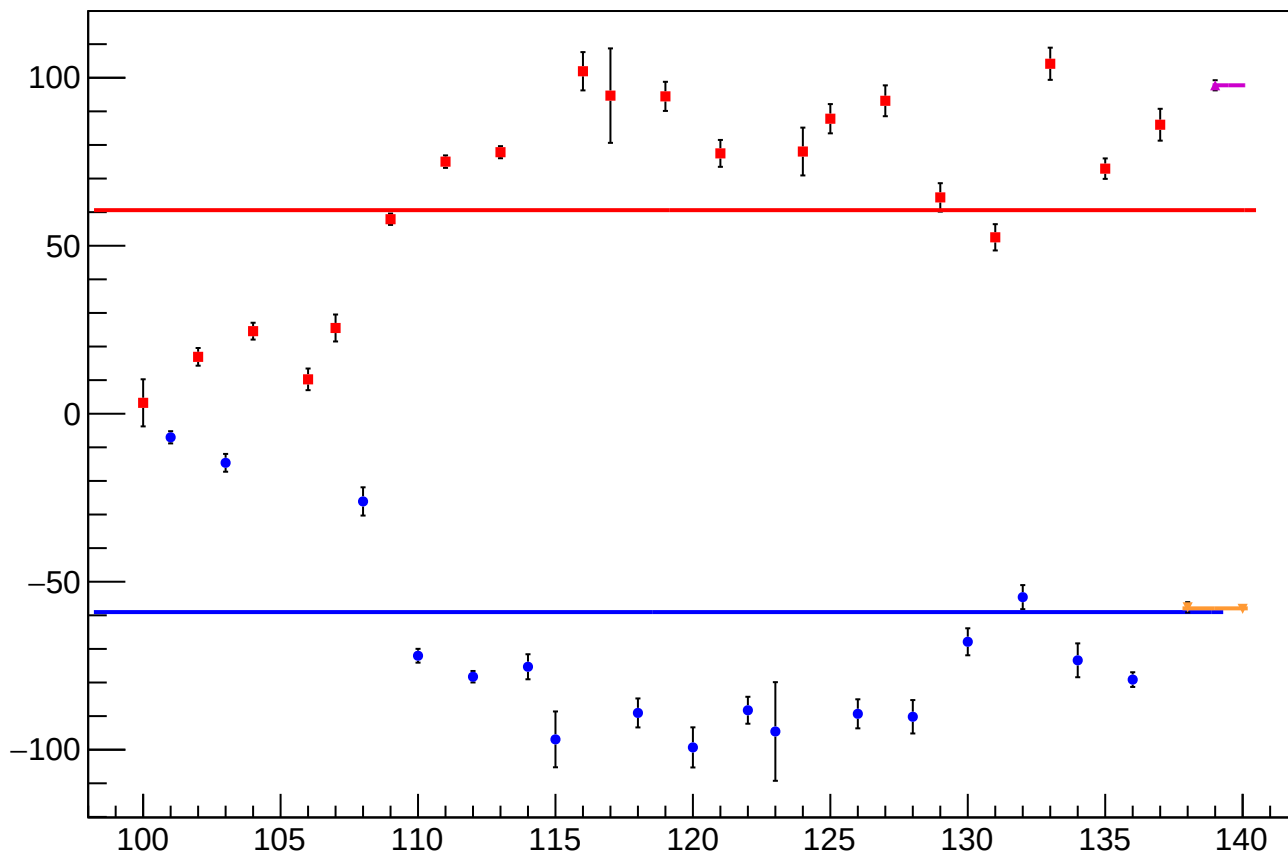
Left In: -57.586 ± 2.527 $\chi^2/\text{NDF}: 0.0/0$

-2.033 ± 0.366 $\chi^2/\text{NDF}: 1657.6/18$

0.620 ± 0.277 $\chi^2/\text{NDF}: 3694.1/39$

4.150 ± 0.422 $\chi^2/\text{NDF}: 1914.2/20$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 +/- 0.746 χ^2/NDF : 1709.5/16

Left Out: -57.929 +/- 0.869 χ^2/NDF : 0.1/1

Right Out: 60.593 +/- 0.704 χ^2/NDF : 1390.7/19

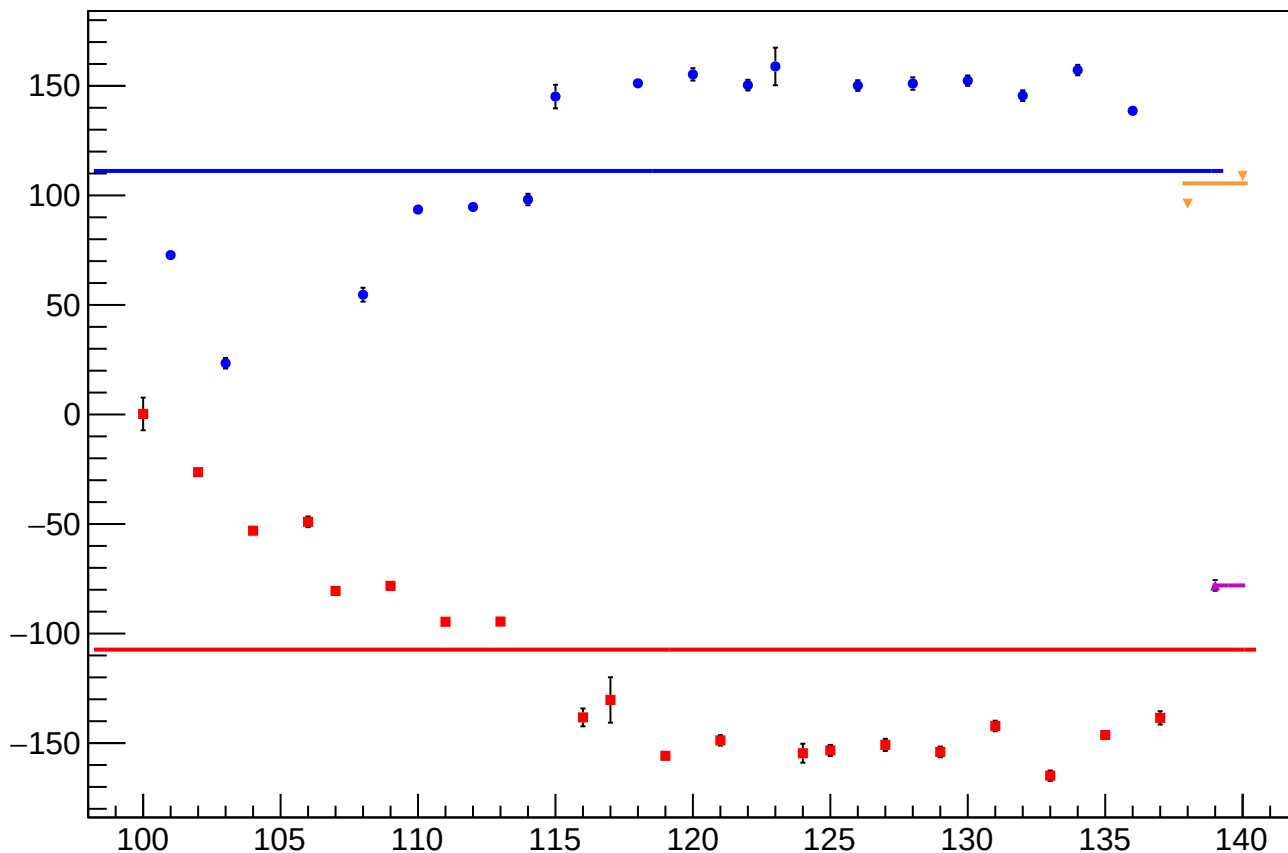
Left In: 97.757 +/- 1.511 χ^2/NDF : 0.0/0

-58.568 +/- 0.566 χ^2/NDF : 1710.5/18

-3.165 +/- 0.423 χ^2/NDF : 25360.6/39

67.214 +/- 0.638 χ^2/NDF : 1887.9/20

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 105.491 $\pm$ 0.834 χ^2 /NDF: 46.0/1

Right Out: -107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

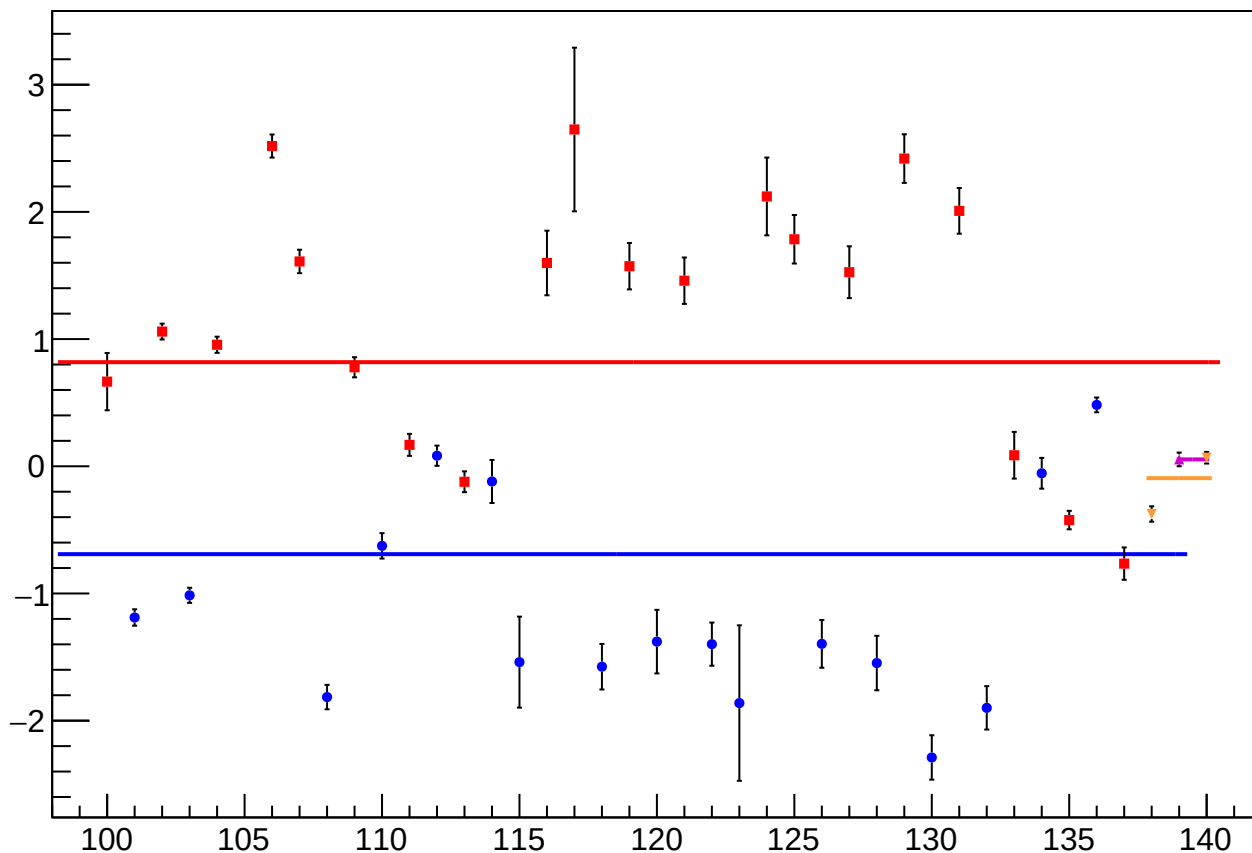
Left In: -78.023 $\pm$ 2.433 χ^2 /NDF: 0.0/0

109.709 $\pm$ 0.422 χ^2 /NDF: 5958.0/18

15.119 $\pm$ 0.316 χ^2 /NDF: 127962.2/39

-106.205 $\pm$ 0.478 χ^2 /NDF: 7199.5/20

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691 ± 0.026 $\chi^2/\text{NDF}: 990.9/16$

Left Out: -0.094 ± 0.037 $\chi^2/\text{NDF}: 33.9/1$

Right Out: 0.819 ± 0.024 $\chi^2/\text{NDF}: 1312.5/19$

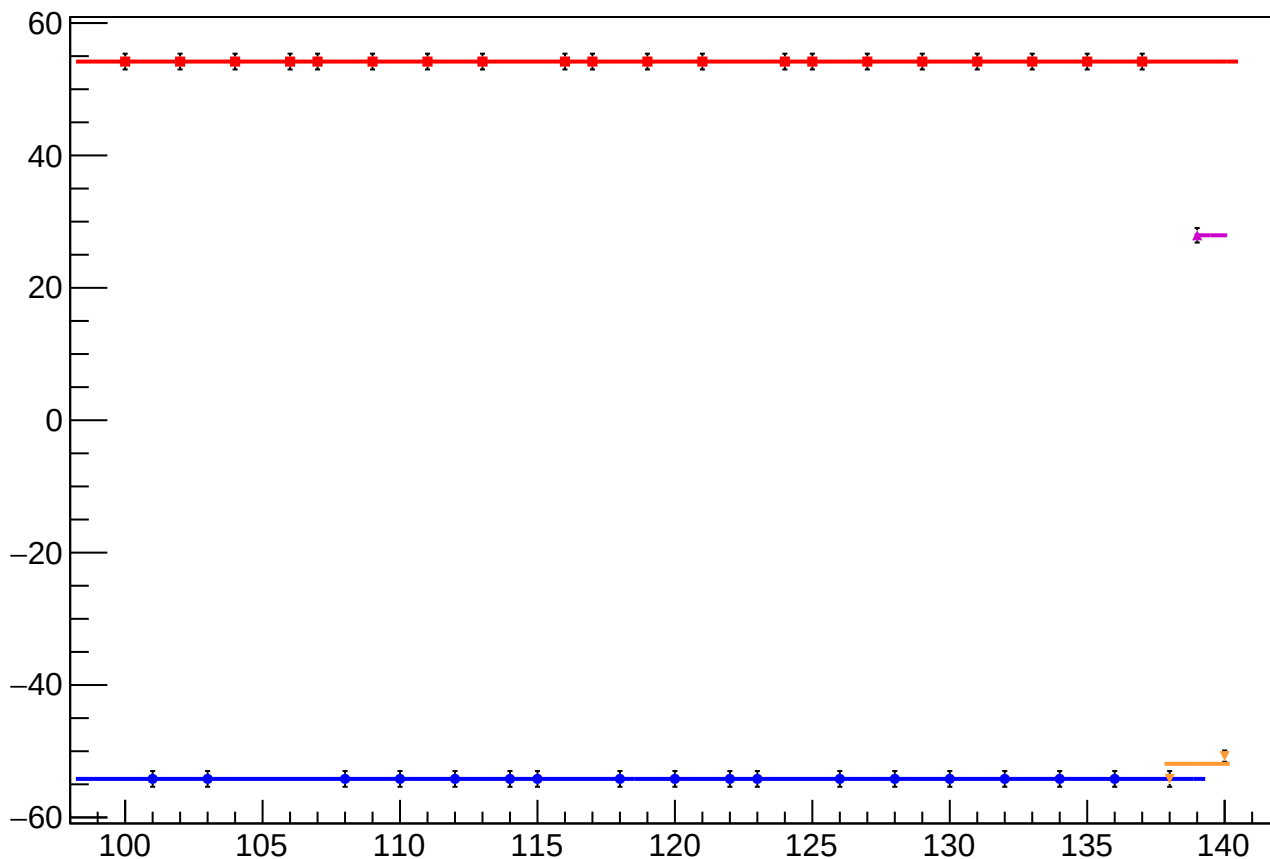
Left In: 0.054 ± 0.054 $\chi^2/\text{NDF}: 0.0/0$

-0.492 ± 0.021 $\chi^2/\text{NDF}: 1203.2/18$

0.068 ± 0.015 $\chi^2/\text{NDF}: 4171.3/39$

0.688 ± 0.022 $\chi^2/\text{NDF}: 1480.6/20$

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -54.179 $\pm$ 0.289 χ^2 /NDF: 0.0/16

Left Out: -51.896 $\pm$ 0.692 χ^2 /NDF: 5.5/1

Right Out: 54.179 $\pm$ 0.267 χ^2 /NDF: 0.0/19

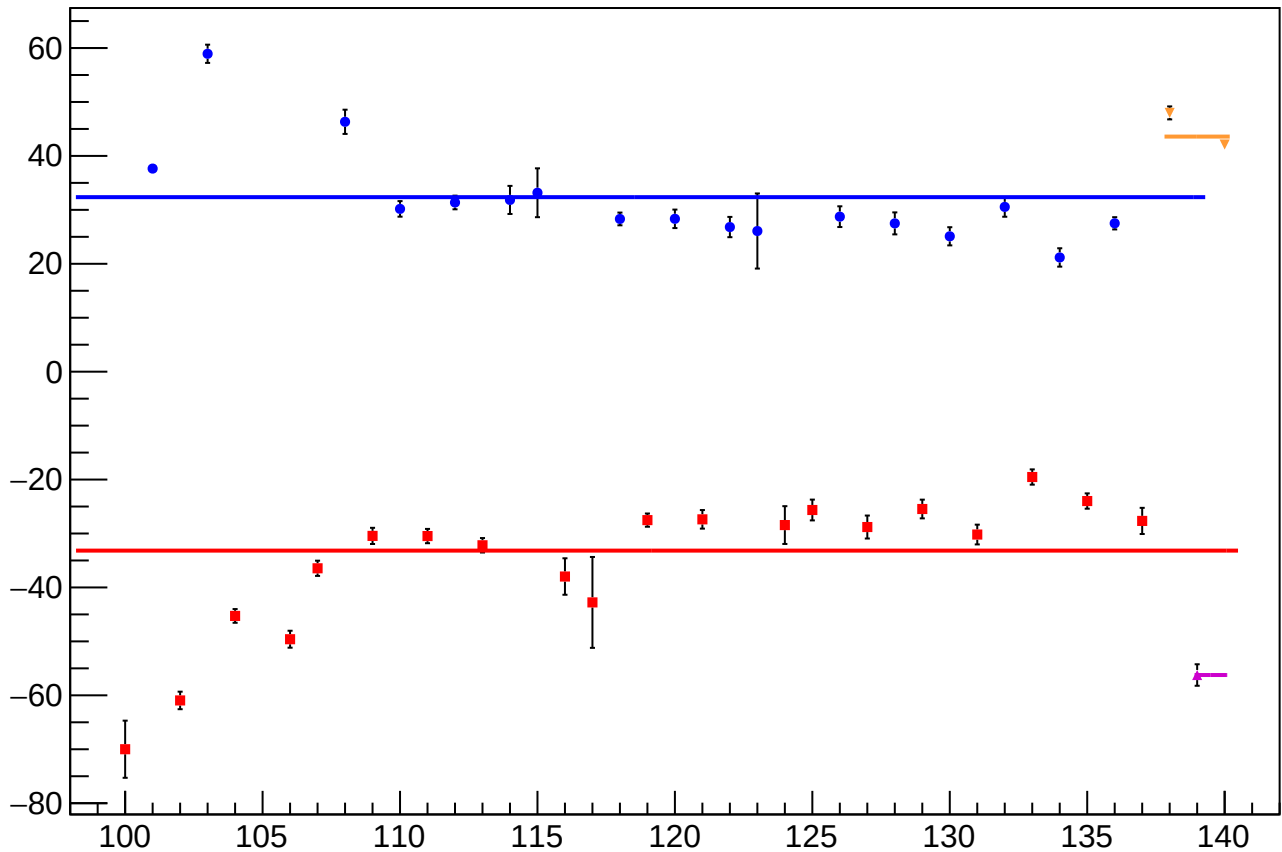
Left In: 27.937 $\pm$ 1.098 χ^2 /NDF: 0.0/0

-53.840 $\pm$ 0.267 χ^2 /NDF: 14.8/18

1.004 $\pm$ 0.186 χ^2 /NDF: 82482.4/39

52.715 $\pm$ 0.259 χ^2 /NDF: 539.6/20

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 $\pm$ 0.375 χ^2 /NDF: 450.5/16

Left Out: 43.583 $\pm$ 0.604 χ^2 /NDF:17.7/1

Right Out: -33.172 $\pm$ 0.378 χ^2 /NDF: 773.3/19

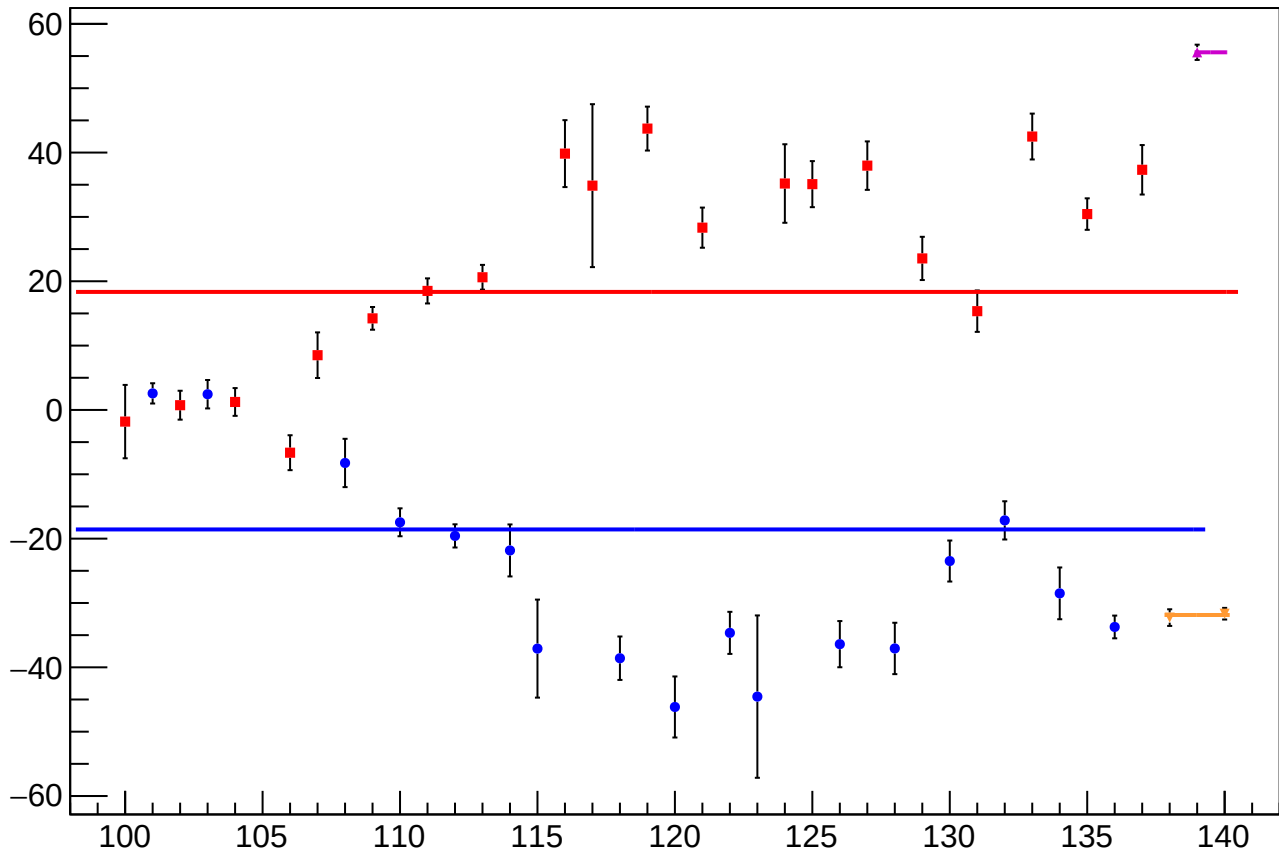
Left In: -56.235 $\pm$ 1.994 χ^2 /NDF:0.0/0

35.488 $\pm$ 0.319 χ^2 /NDF: 717.8/18

6.060 $\pm$ 0.242 χ^2 /NDF: 21733.1/39

-33.974 $\pm$ 0.372 χ^2 /NDF: 902.4/20

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: -31.867 ± 0.742 χ^2/NDF : 0.1/1

Right Out: 18.343 ± 0.643 χ^2/NDF : 475.1/19

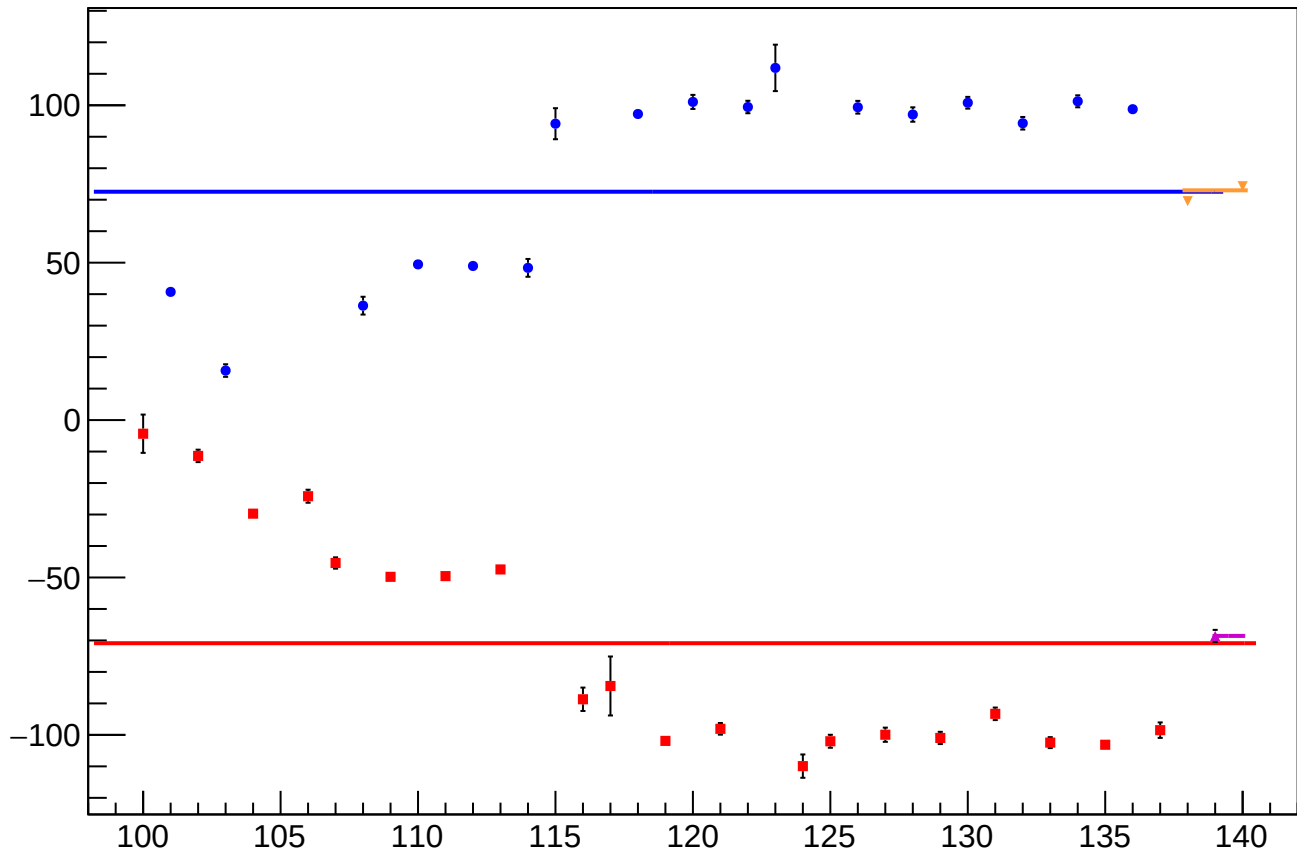
Left In: 55.581 ± 1.187 χ^2/NDF : 0.0/0

-24.520 ± 0.496 χ^2/NDF : 689.1/18

-2.189 ± 0.373 χ^2/NDF : 6579.7/39

26.796 ± 0.565 χ^2/NDF : 1236.4/20

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: 72.984+/-0.718 χ^2/NDF : 8.7/1

Right Out: -70.878+/-0.433 χ^2/NDF : 5502.3/19

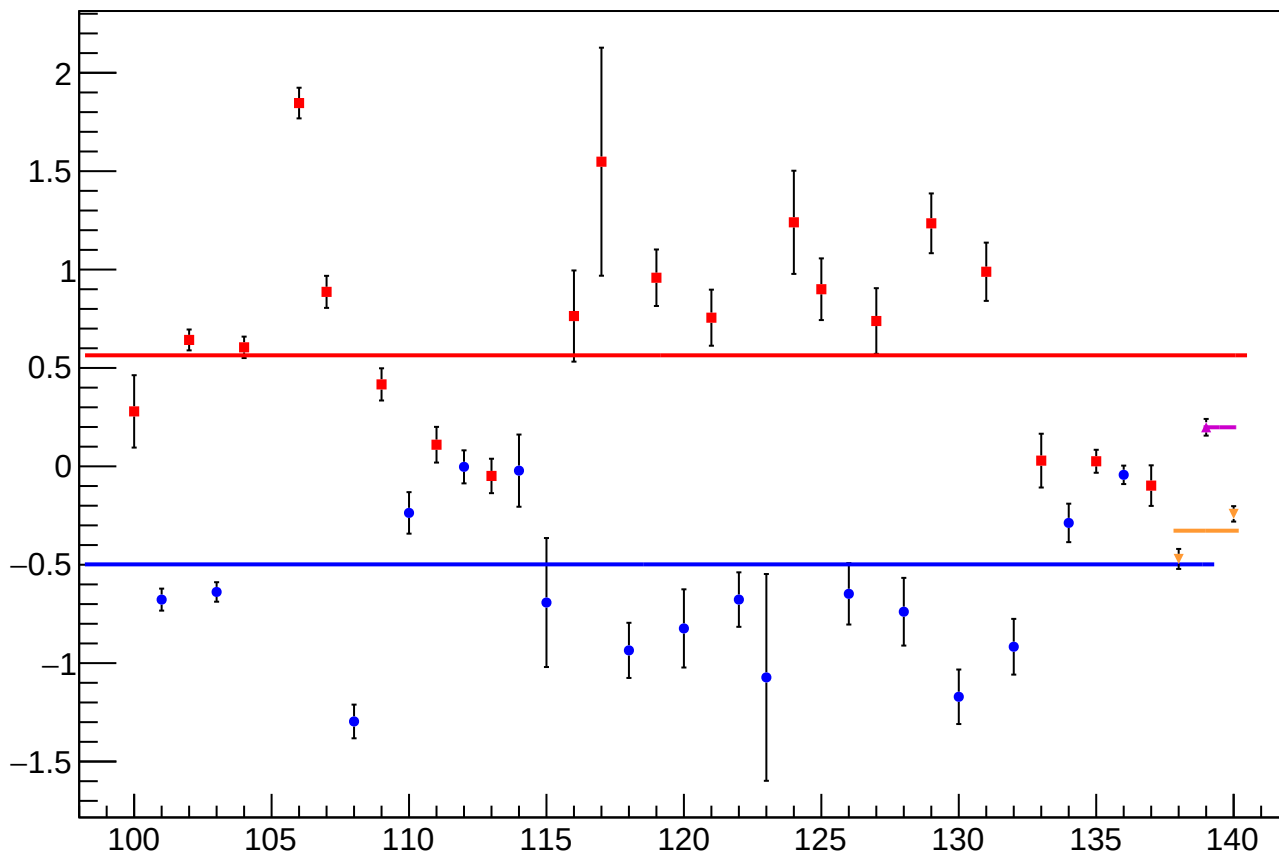
Left In: -68.561+/-1.921 χ^2/NDF : 0.0/0

72.654+/-0.368 χ^2/NDF : 4693.1/18

10.776+/-0.277 χ^2/NDF : 75809.0/39

-70.766+/-0.422 χ^2/NDF : 5503.7/20

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 $\pm$ 0.022 χ^2/NDF : 302.8/16

Left Out: -0.327 $\pm$ 0.031 χ^2/NDF : 12.7/1

Right Out: 0.564 $\pm$ 0.021 χ^2/NDF : 563.6/19

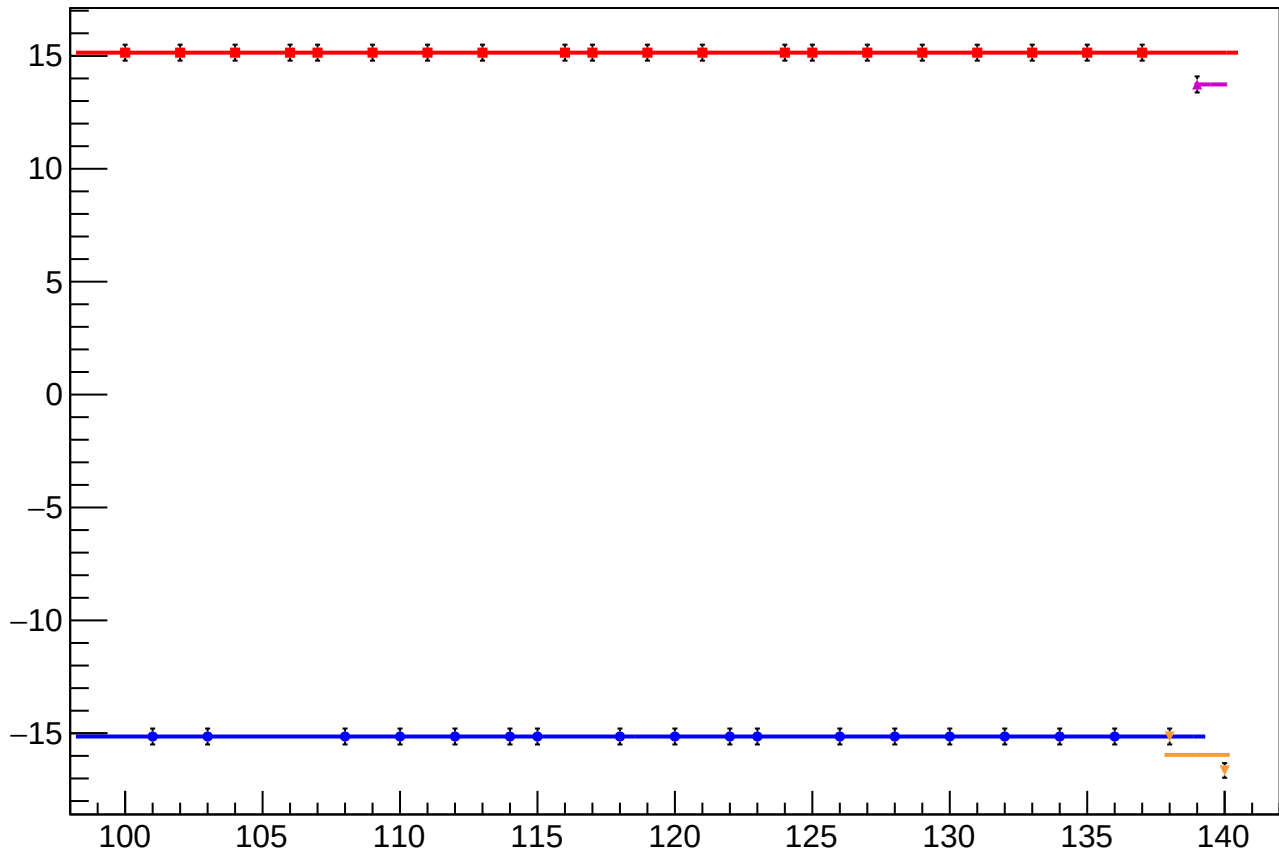
Left In: 0.199 $\pm$ 0.042 χ^2/NDF : 0.0/0

-0.440 $\pm$ 0.018 χ^2/NDF : 335.5/18

0.001 $\pm$ 0.013 χ^2/NDF : 2203.4/39

0.490 $\pm$ 0.019 χ^2/NDF : 622.9/20

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.142 ± 0.086 χ^2/NDF : 0.0/16

Left Out: -15.956 ± 0.239 χ^2/NDF : 9.8/1

Right Out: 15.142 ± 0.079 χ^2/NDF : 0.0/19

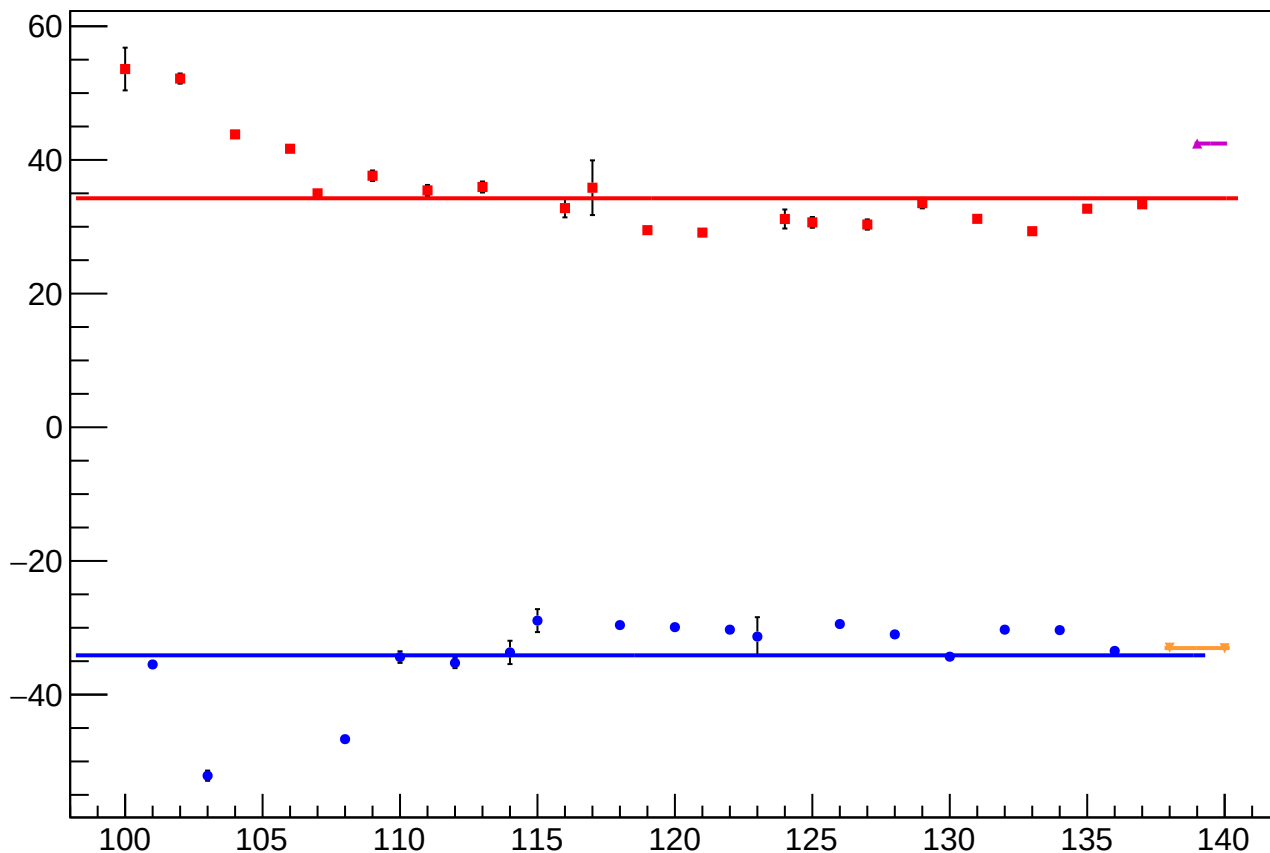
Left In: 13.735 ± 0.356 χ^2/NDF : 0.0/0

-15.235 ± 0.081 χ^2/NDF : 20.0/18

0.603 ± 0.056 χ^2/NDF : 73728.9/39

15.076 ± 0.077 χ^2/NDF : 14.9/20

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -33.036 ± 0.216 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

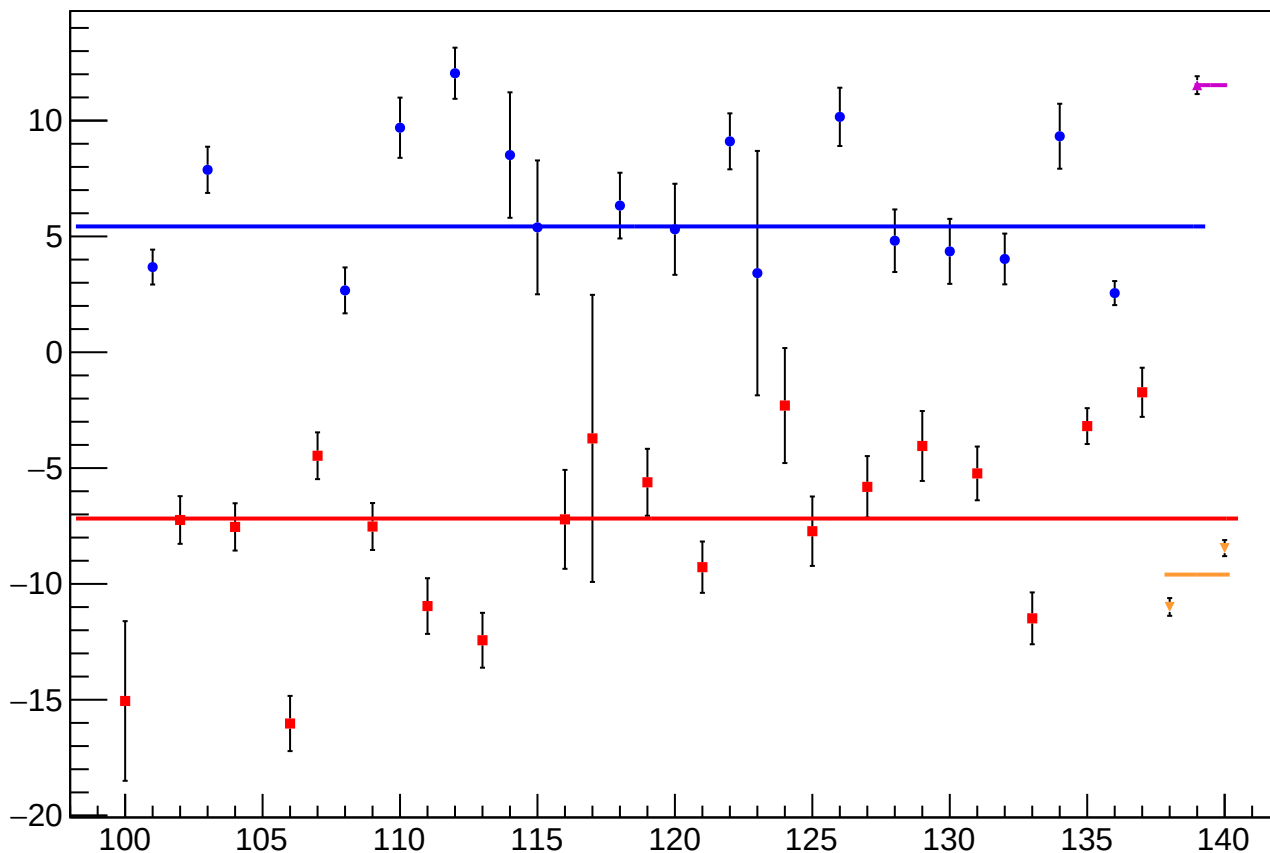
Left In: 42.452 ± 0.640 $\chi^2/\text{NDF}: 0.0/0$

-33.762 ± 0.124 $\chi^2/\text{NDF}: 1339.4/18$

-5.205 ± 0.095 $\chi^2/\text{NDF}: 129734.0/39$

34.692 ± 0.147 $\chi^2/\text{NDF}: 1510.2/20$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -9.597 ± 0.257 χ^2/NDF : 24.1/1

Right Out: -7.178 ± 0.274 χ^2/NDF : 182.4/19

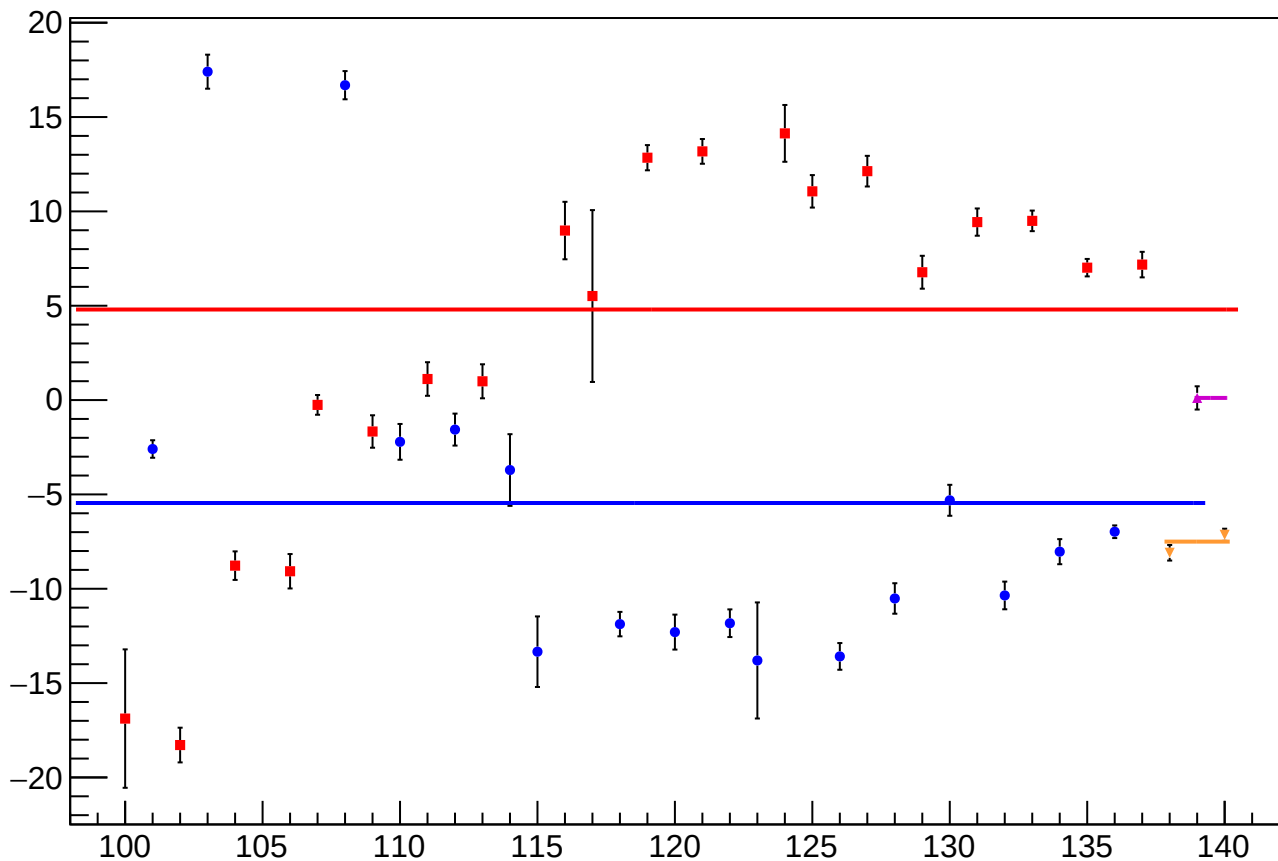
Left In: 11.530 ± 0.385 χ^2/NDF : 0.0/0

-2.461 ± 0.186 χ^2/NDF : 1778.3/18

-1.816 ± 0.143 χ^2/NDF : 3555.3/39

-0.888 ± 0.223 χ^2/NDF : 1747.8/20

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: -7.502 ± 0.254 χ^2/NDF : 3.3/1

Right Out: 4.799 ± 0.173 χ^2/NDF : 2047.5/19

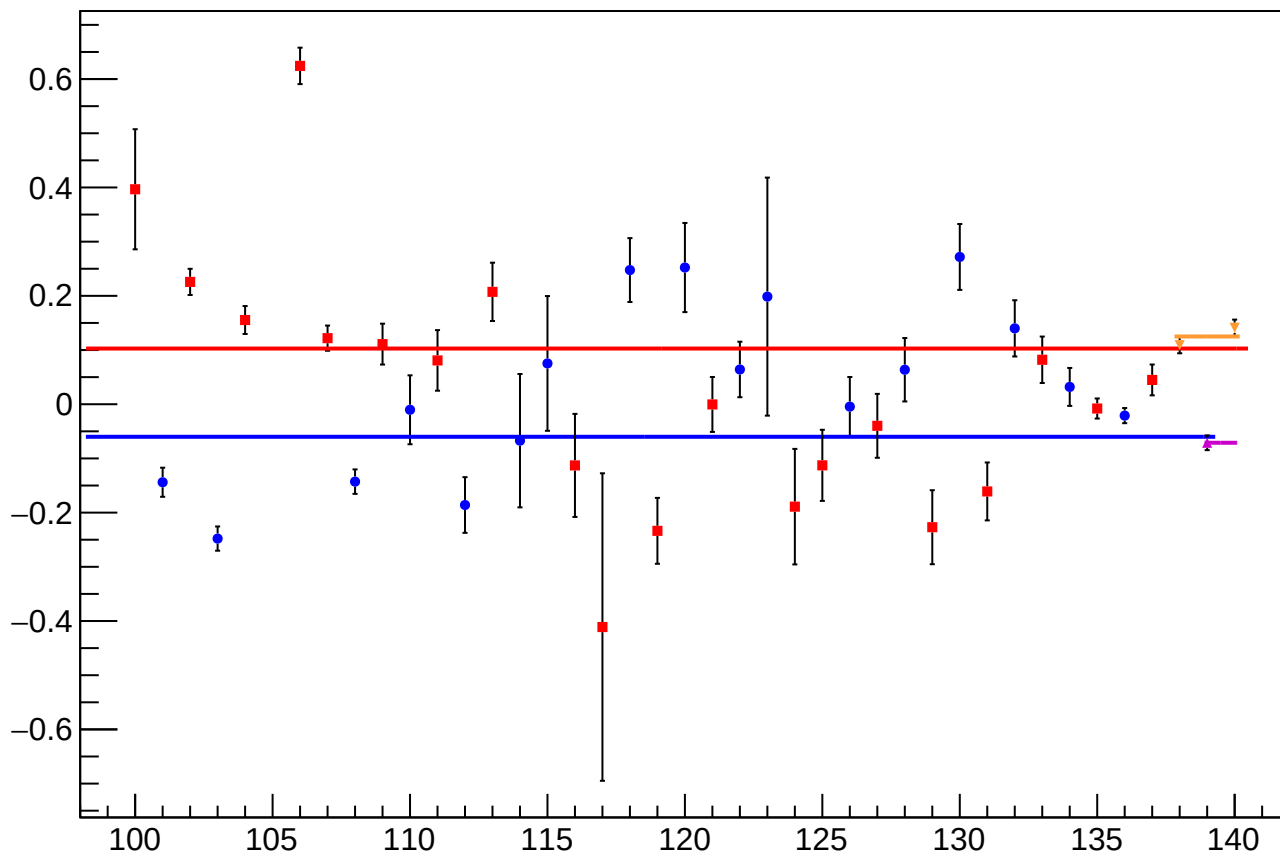
Left In: 0.114 ± 0.616 χ^2/NDF : 0.0/0

-6.091 ± 0.142 χ^2/NDF : 2144.4/18

-1.652 ± 0.108 χ^2/NDF : 6574.1/39

4.458 ± 0.166 χ^2/NDF : 2101.1/20

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: 0.125 ± 0.011 χ^2/NDF : 2.3/1

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

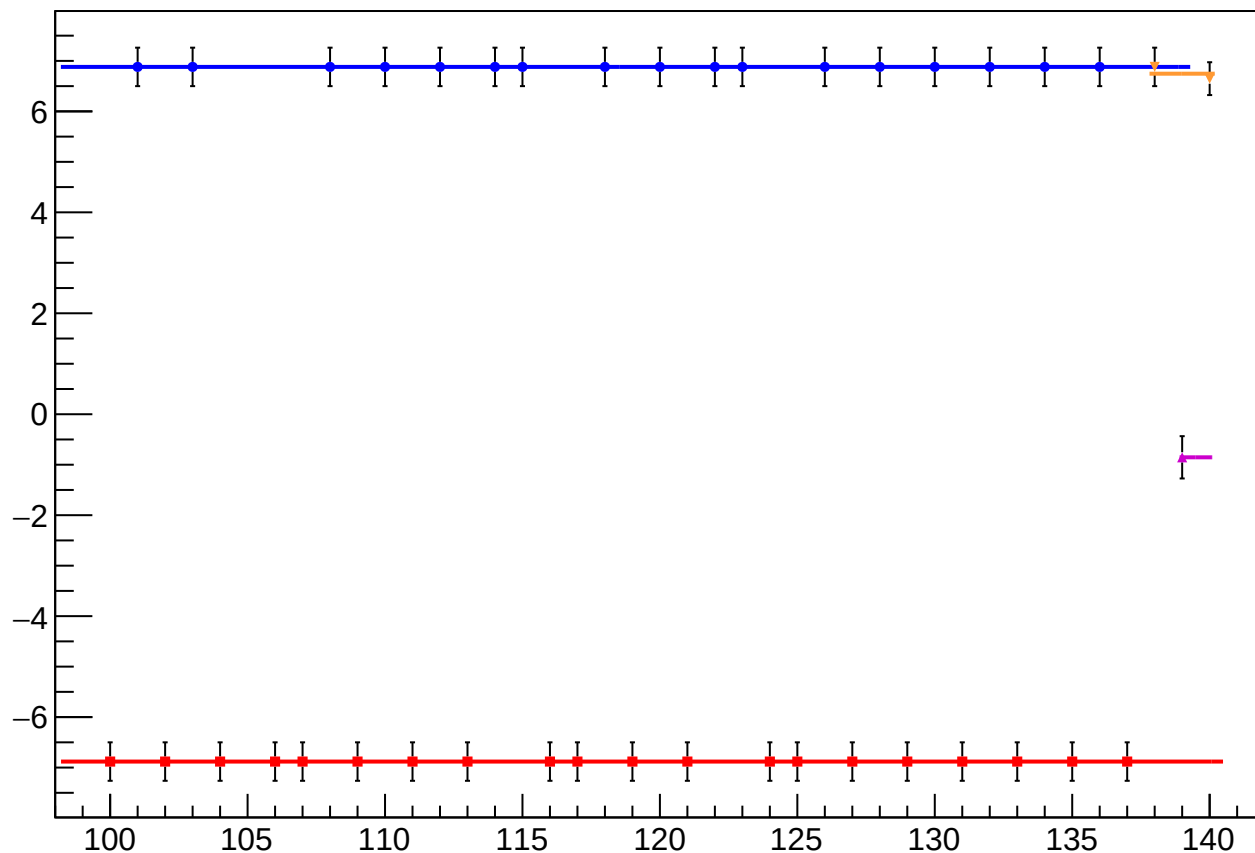
Left In: -0.071 ± 0.014 χ^2/NDF : 0.0/0

0.011 ± 0.007 χ^2/NDF : 404.6/18

0.031 ± 0.005 χ^2/NDF : 980.1/39

0.054 ± 0.007 χ^2/NDF : 555.8/20

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.881 ± 0.092 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 6.746 ± 0.247 $\chi^2/\text{NDF}: 0.2/1$

Right Out: -6.881 ± 0.085 $\chi^2/\text{NDF}: 0.0/19$

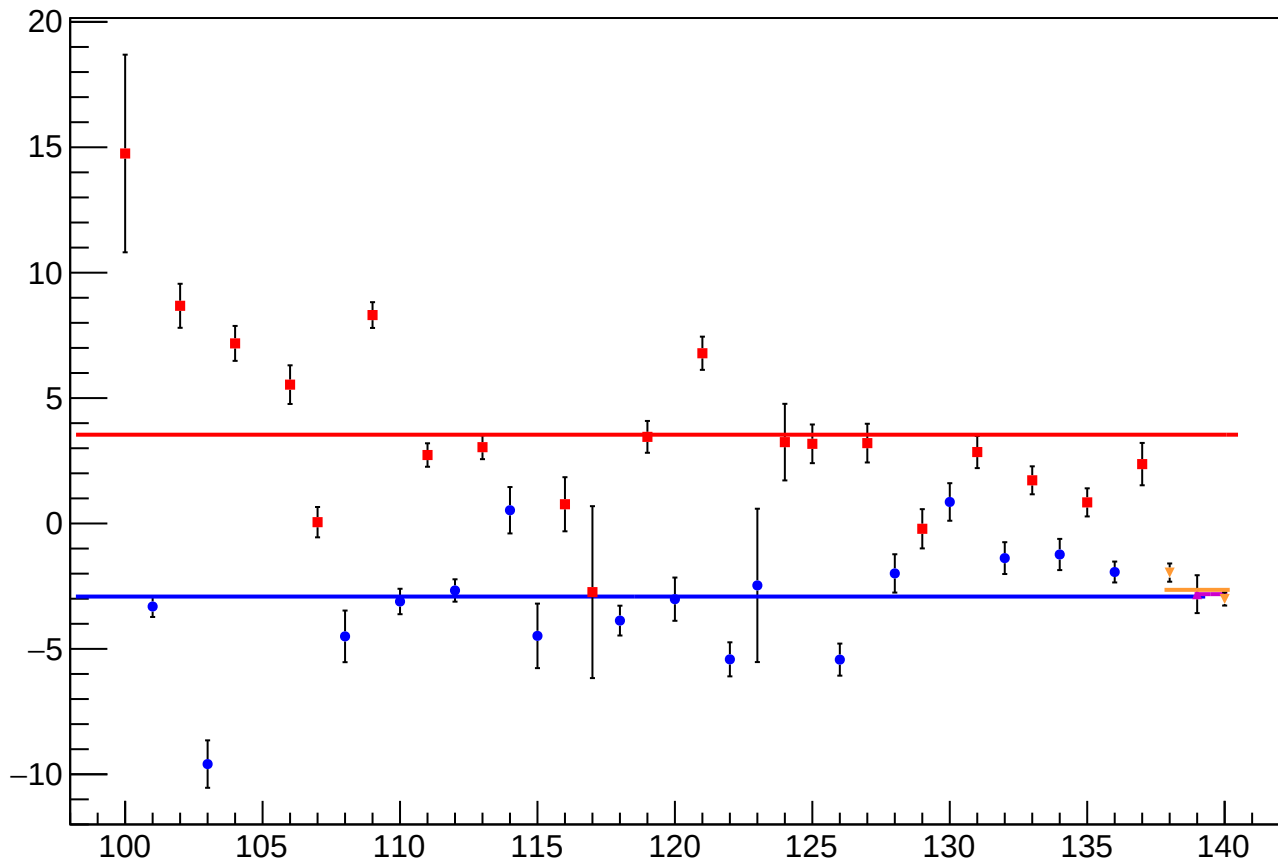
Left In: -0.854 ± 0.419 $\chi^2/\text{NDF}: 0.0/0$

6.864 ± 0.087 $\chi^2/\text{NDF}: 0.5/18$

-0.133 ± 0.060 $\chi^2/\text{NDF}: 12808.0/39$

-6.642 ± 0.083 $\chi^2/\text{NDF}: 198.7/20$

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: -2.646 ± 0.214 χ^2/NDF : 5.5/1

Right Out: 3.540 ± 0.154 χ^2/NDF : 294.2/19

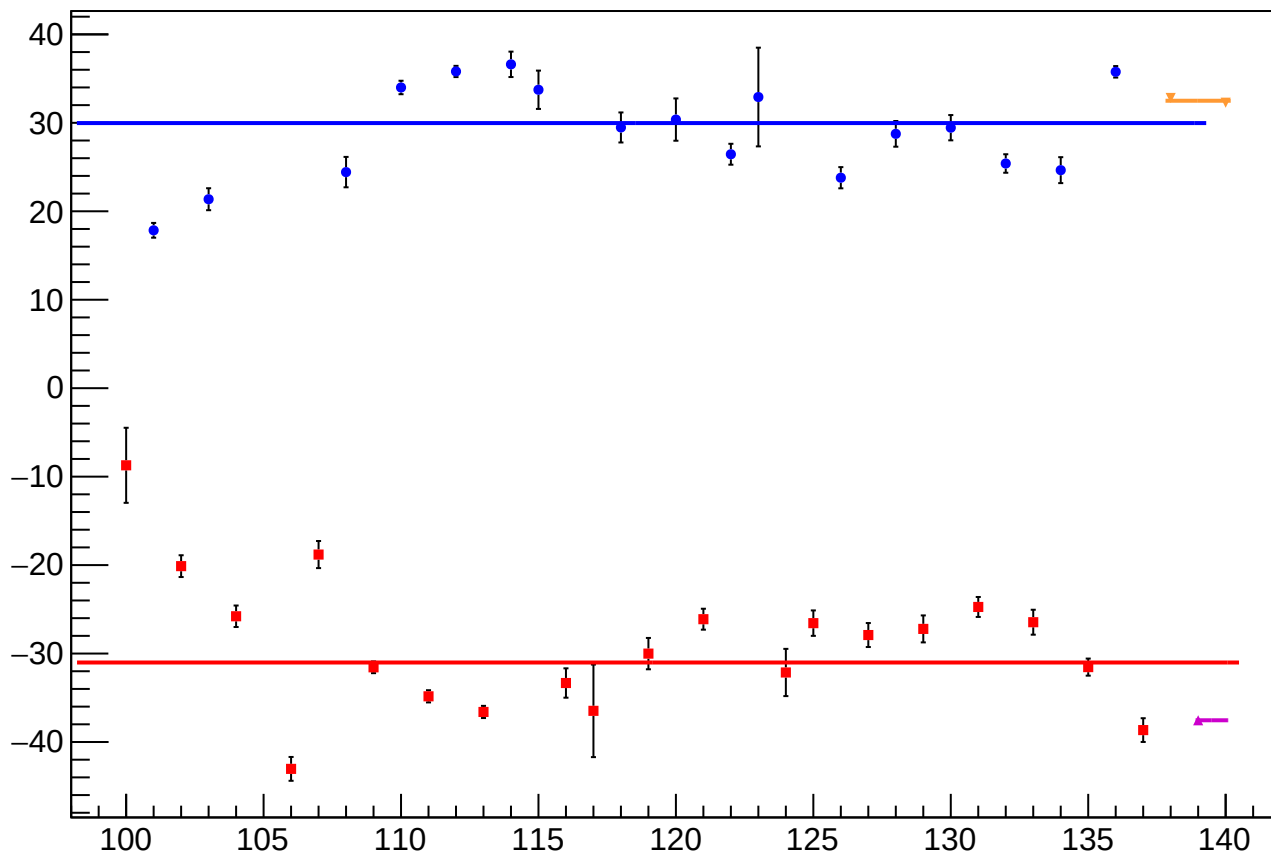
Left In: -2.818 ± 0.755 χ^2/NDF : 0.0/0

-2.821 ± 0.125 χ^2/NDF : 152.6/18

-0.336 ± 0.097 χ^2/NDF : 1480.6/39

3.285 ± 0.151 χ^2/NDF : 362.2/20

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 32.497 ± 0.265 $\chi^2/\text{NDF}: 1.0/1$

Right Out: -31.013 ± 0.260 $\chi^2/\text{NDF}: 480.6/19$

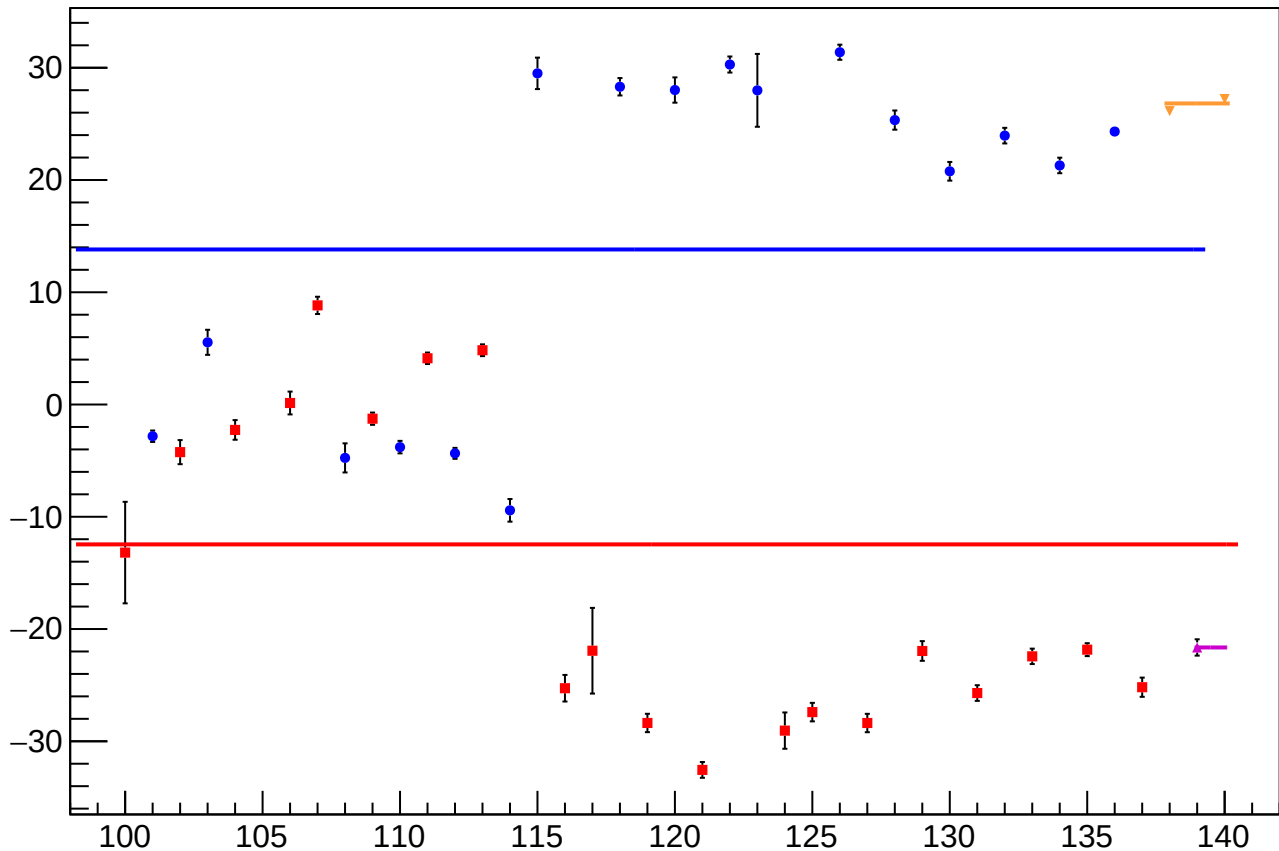
Left In: -37.544 ± 0.454 $\chi^2/\text{NDF}: 0.0/0$

31.244 ± 0.188 $\chi^2/\text{NDF}: 600.2/18$

4.993 ± 0.145 $\chi^2/\text{NDF}: 48519.1/39$

-32.626 ± 0.225 $\chi^2/\text{NDF}: 636.7/20$

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: 26.820+/-0.255 χ^2/NDF : 4.2/1

Right Out: -12.460+/-0.174 χ^2/NDF : 6976.5/19

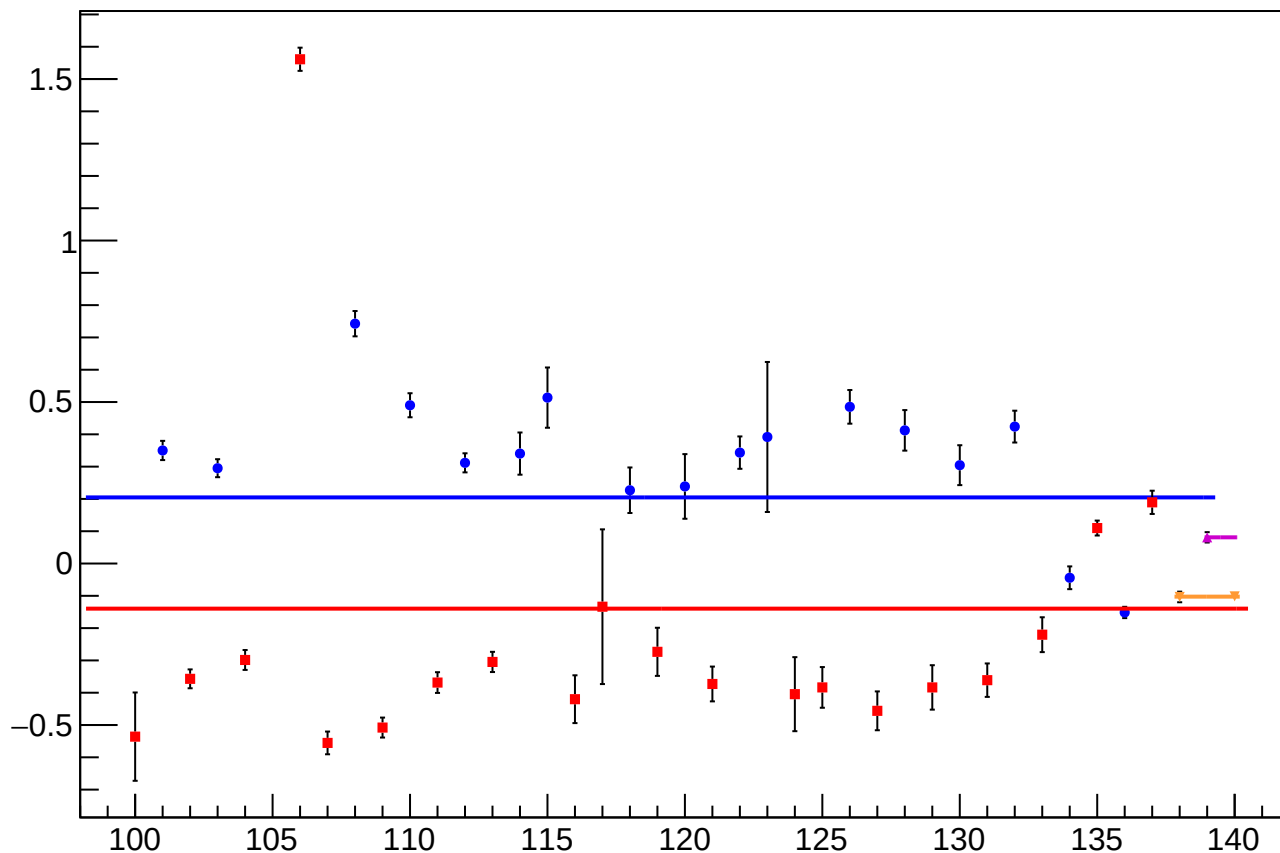
Left In: -21.642+/-0.727 χ^2/NDF : 0.0/0

17.911+/-0.143 χ^2/NDF : 9110.4/18

5.025+/-0.109 χ^2/NDF : 35712.8/39

-12.955+/-0.169 χ^2/NDF : 7127.3/20

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: -0.103 ± 0.011 χ^2/NDF : 0.0/1

Right Out: -0.140 ± 0.009 χ^2/NDF : 3014.2/19

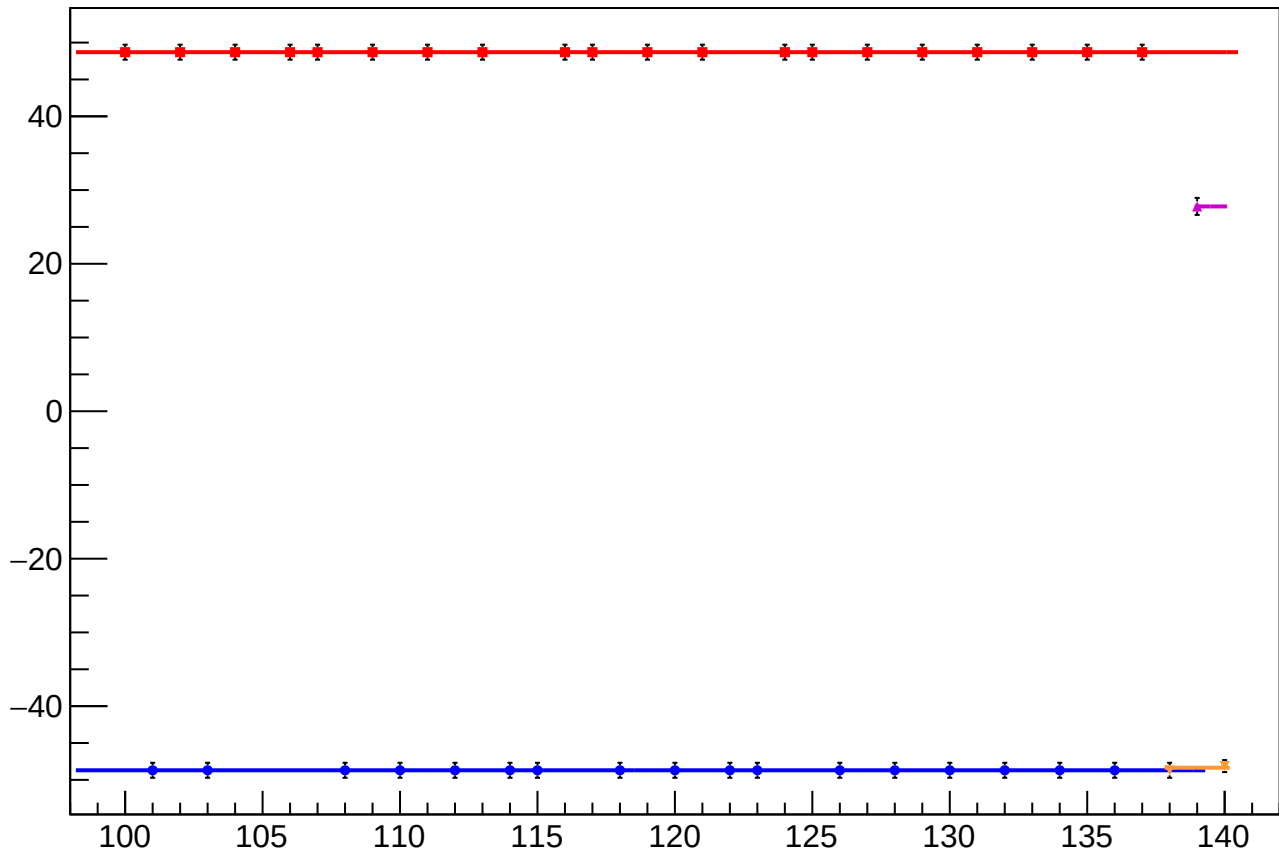
Left In: 0.081 ± 0.016 χ^2/NDF : 0.0/0

0.077 ± 0.007 χ^2/NDF : 1292.6/18

0.005 ± 0.005 χ^2/NDF : 4677.2/39

-0.085 ± 0.008 χ^2/NDF : 3156.8/20

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -48.699 ± 0.247 χ^2/NDF : 0.0/16

Left Out: -48.352 ± 0.637 χ^2/NDF : 0.2/1

Right Out: 48.699 ± 0.228 χ^2/NDF : 0.0/19

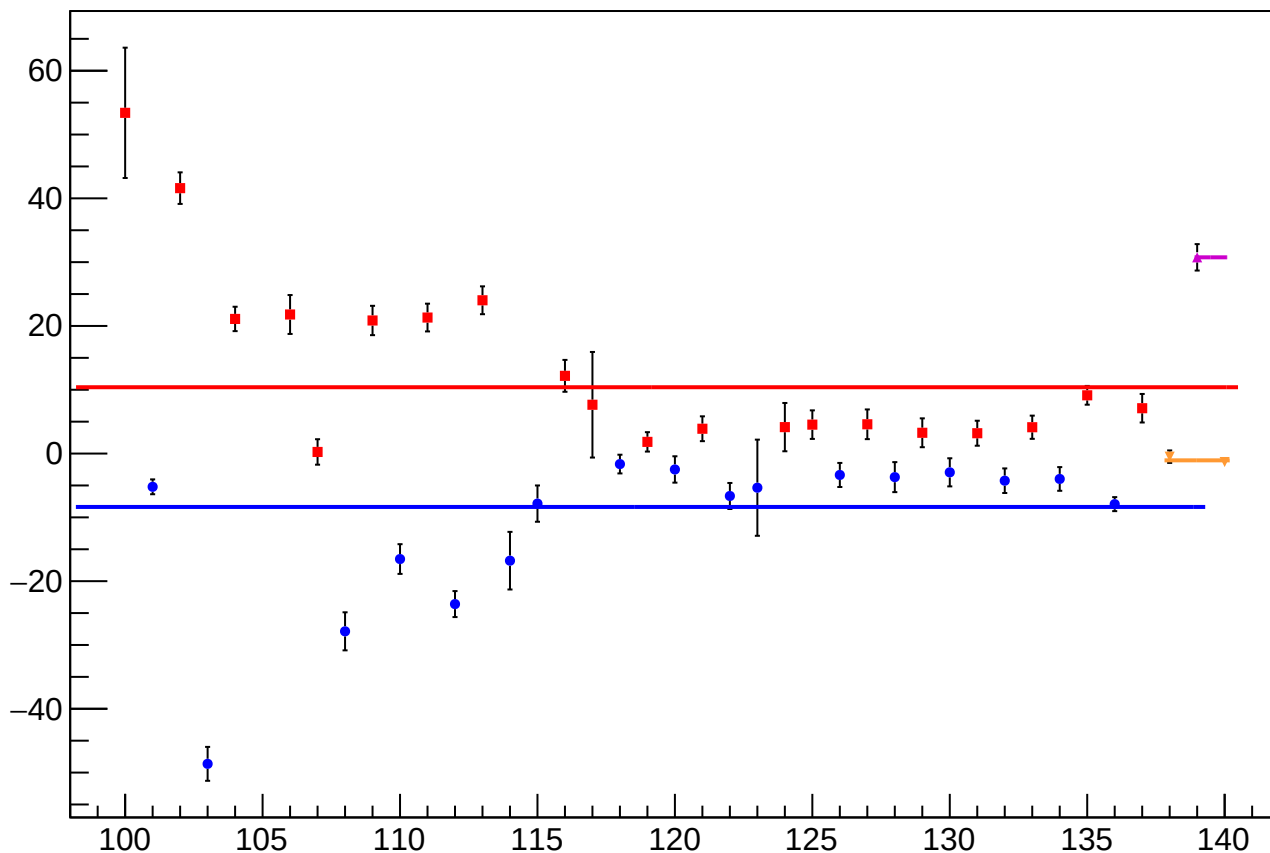
Left In: 27.779 ± 1.153 χ^2/NDF : 0.0/0

-48.654 ± 0.230 χ^2/NDF : 0.4/18

1.093 ± 0.160 χ^2/NDF : 90754.8/39

47.913 ± 0.224 χ^2/NDF : 316.8/20

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: -1.064+/-0.548 χ^2/NDF : 0.5/1

Right Out: 10.396+/-0.490 χ^2/NDF : 430.4/19

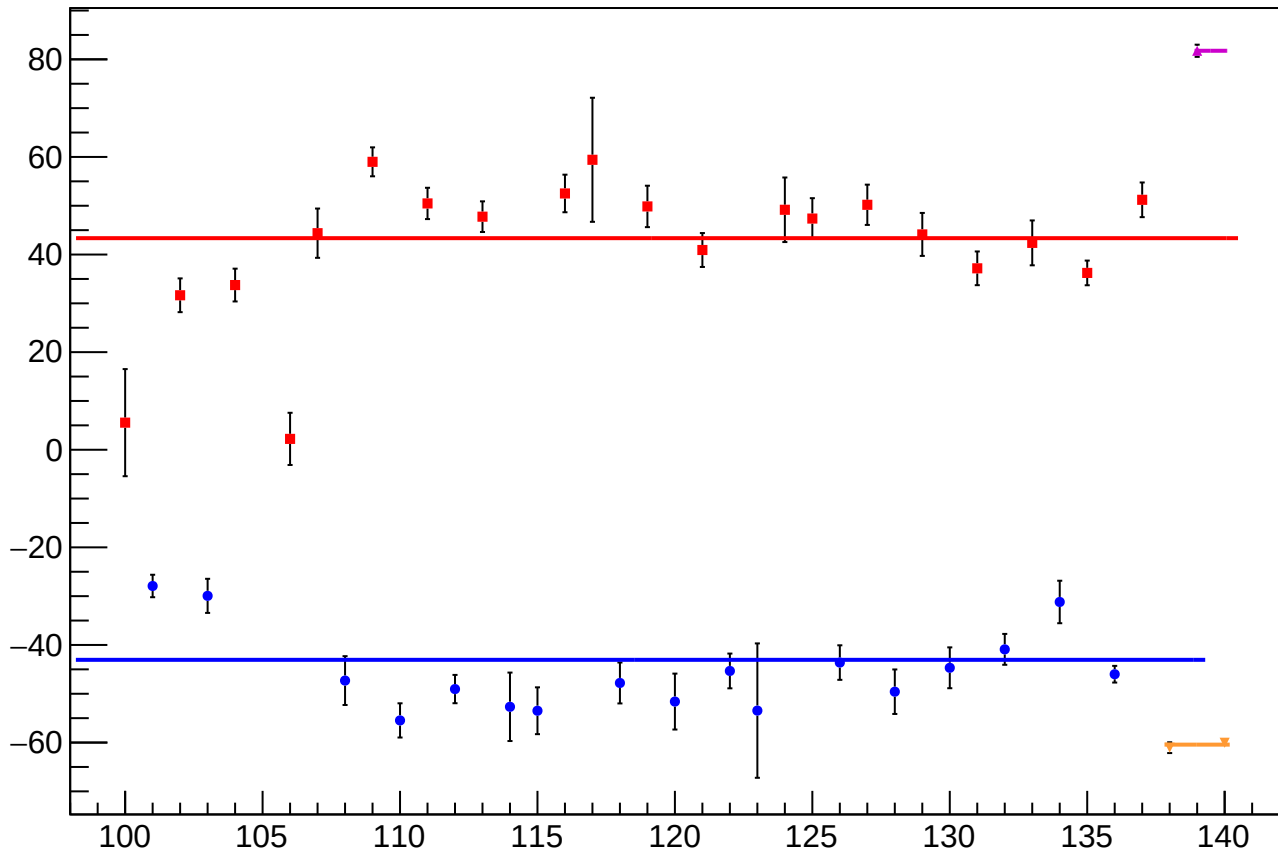
Left In: 30.756+/-2.071 χ^2/NDF : 0.0/0

-5.302+/-0.355 χ^2/NDF : 512.4/18

0.678+/-0.285 χ^2/NDF : 1830.5/39

11.476+/-0.477 χ^2/NDF : 522.0/20

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: -60.425 ± 0.683 $\chi^2/\text{NDF}: 0.5/1$

Right Out: 43.357 ± 0.865 $\chi^2/\text{NDF}: 156.0/19$

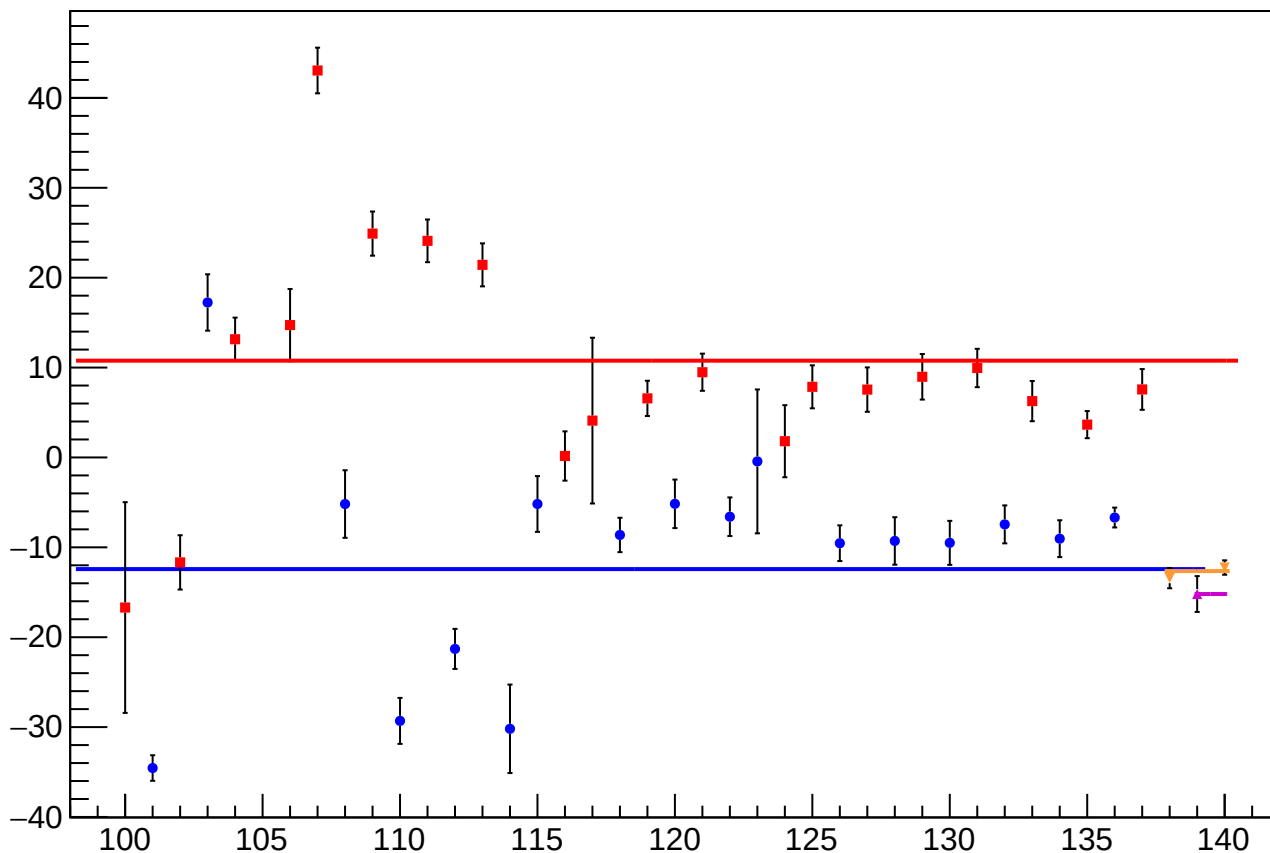
Left In: 81.757 ± 1.249 $\chi^2/\text{NDF}: 0.0/0$

-53.480 ± 0.529 $\chi^2/\text{NDF}: 358.1/18$

-14.526 ± 0.425 $\chi^2/\text{NDF}: 16349.4/39$

55.808 ± 0.711 $\chi^2/\text{NDF}: 794.8/20$

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: -12.640 ± 0.654 χ^2/NDF : 0.7/1

Right Out: 10.766 ± 0.553 χ^2/NDF : 366.3/19

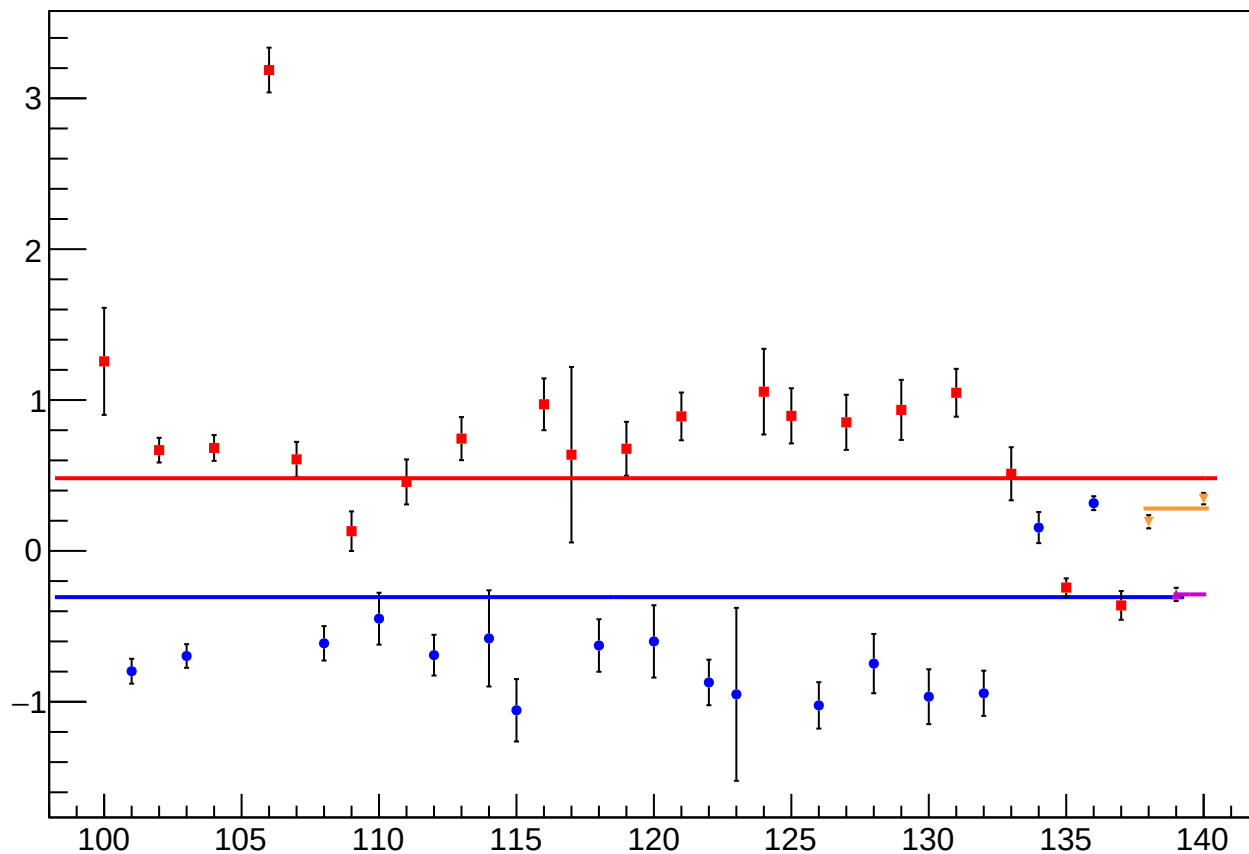
Left In: -15.196 ± 1.993 χ^2/NDF : 0.0/0

-12.507 ± 0.408 χ^2/NDF : 475.2/18

-4.578 ± 0.324 χ^2/NDF : 2017.3/39

8.912 ± 0.533 χ^2/NDF : 523.9/20

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: 0.281 ± 0.029 χ^2/NDF : 7.0/1

Right Out: 0.482 ± 0.029 χ^2/NDF : 628.3/19

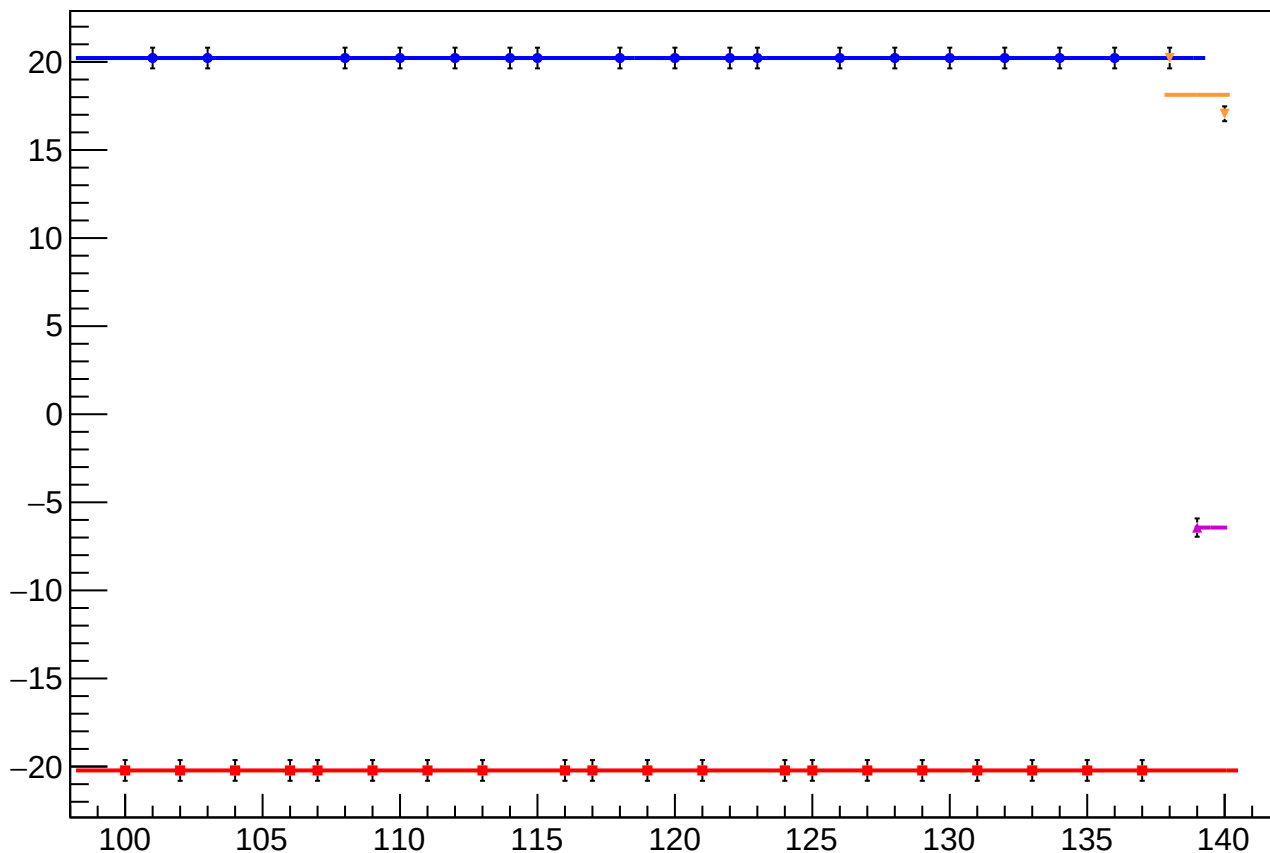
Left In: -0.288 ± 0.044 χ^2/NDF : 0.0/0

-0.025 ± 0.020 χ^2/NDF : 596.4/18

0.089 ± 0.015 χ^2/NDF : 1520.2/39

0.253 ± 0.024 χ^2/NDF : 844.1/20

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 20.221 $\pm$ 0.143 χ^2 /NDF: 0.0/16

Left Out: 18.133 $\pm$ 0.343 χ^2 /NDF: 19.1/1

Right Out: -20.221 $\pm$ 0.131 χ^2 /NDF: 0.0/19

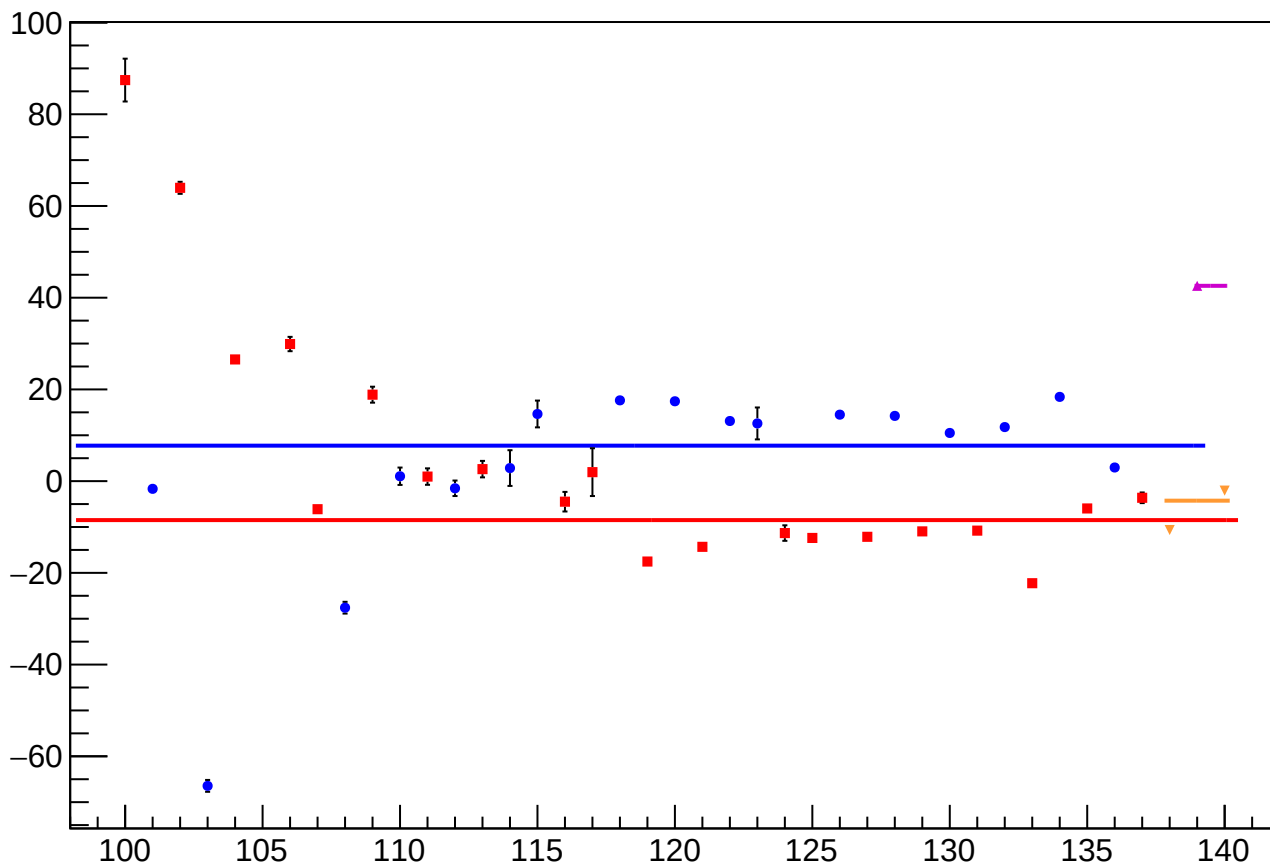
Left In: -6.435 $\pm$ 0.519 χ^2 /NDF: 0.0/0

19.913 $\pm$ 0.132 χ^2 /NDF: 50.8/18

-0.378 $\pm$ 0.092 χ^2 /NDF: 46739.7/39

-19.392 $\pm$ 0.127 χ^2 /NDF: 661.9/20

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: -4.259 ± 0.302 $\chi^2/\text{NDF}: 154.3/1$

Right Out: -8.496 ± 0.213 $\chi^2/\text{NDF}: 6723.5/19$

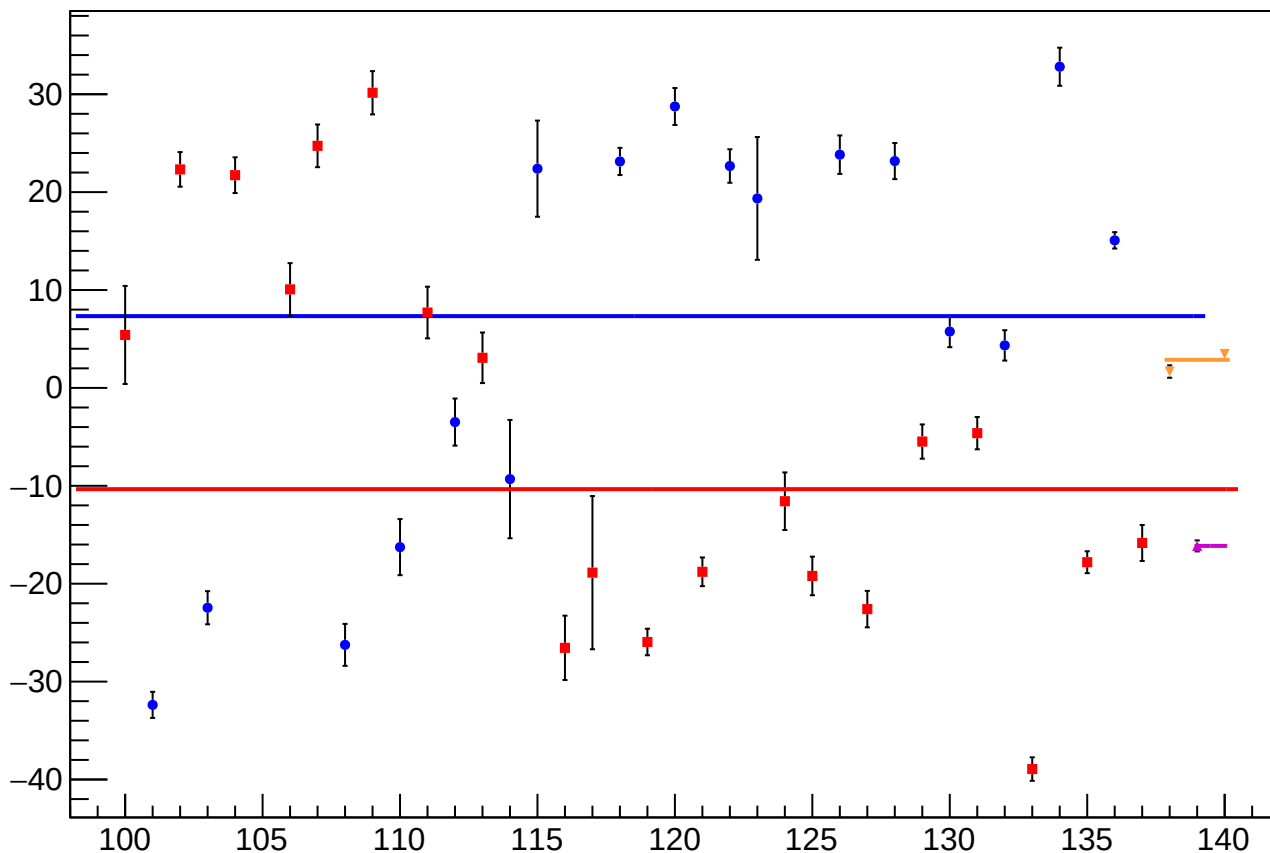
Left In: 42.591 ± 0.945 $\chi^2/\text{NDF}: 0.0/0$

3.617 ± 0.177 $\chi^2/\text{NDF}: 6494.0/18$

-0.428 ± 0.135 $\chi^2/\text{NDF}: 17249.0/39$

-6.024 ± 0.208 $\chi^2/\text{NDF}: 9505.9/20$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 $\pm$ 0.419 χ^2 /NDF: 2293.1/16

Left Out: 2.871 $\pm$ 0.367 χ^2 /NDF: 5.3/1

Right Out: -10.342 $\pm$ 0.416 χ^2 /NDF: 2282.7/19

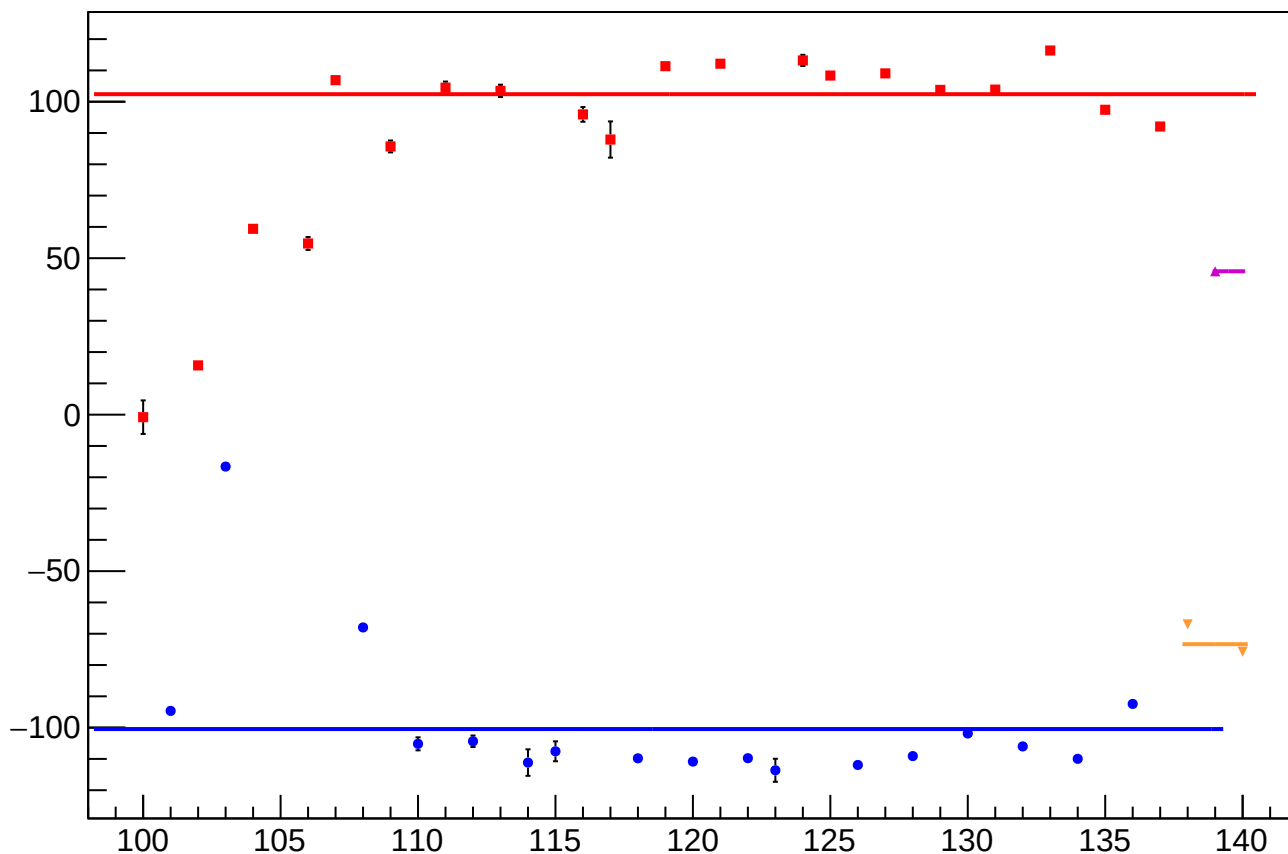
Left In: -16.139 $\pm$ 0.561 χ^2 /NDF: 0.0/0

4.813 $\pm$ 0.276 χ^2 /NDF: 2362.6/18

-2.166 $\pm$ 0.213 χ^2 /NDF: 6289.6/39

-12.399 $\pm$ 0.334 χ^2 /NDF: 2351.5/20

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: -73.339+/-0.358 χ^2/NDF : 119.9/1

Right Out: 102.405+/-0.246 χ^2/NDF : 6100.6/19

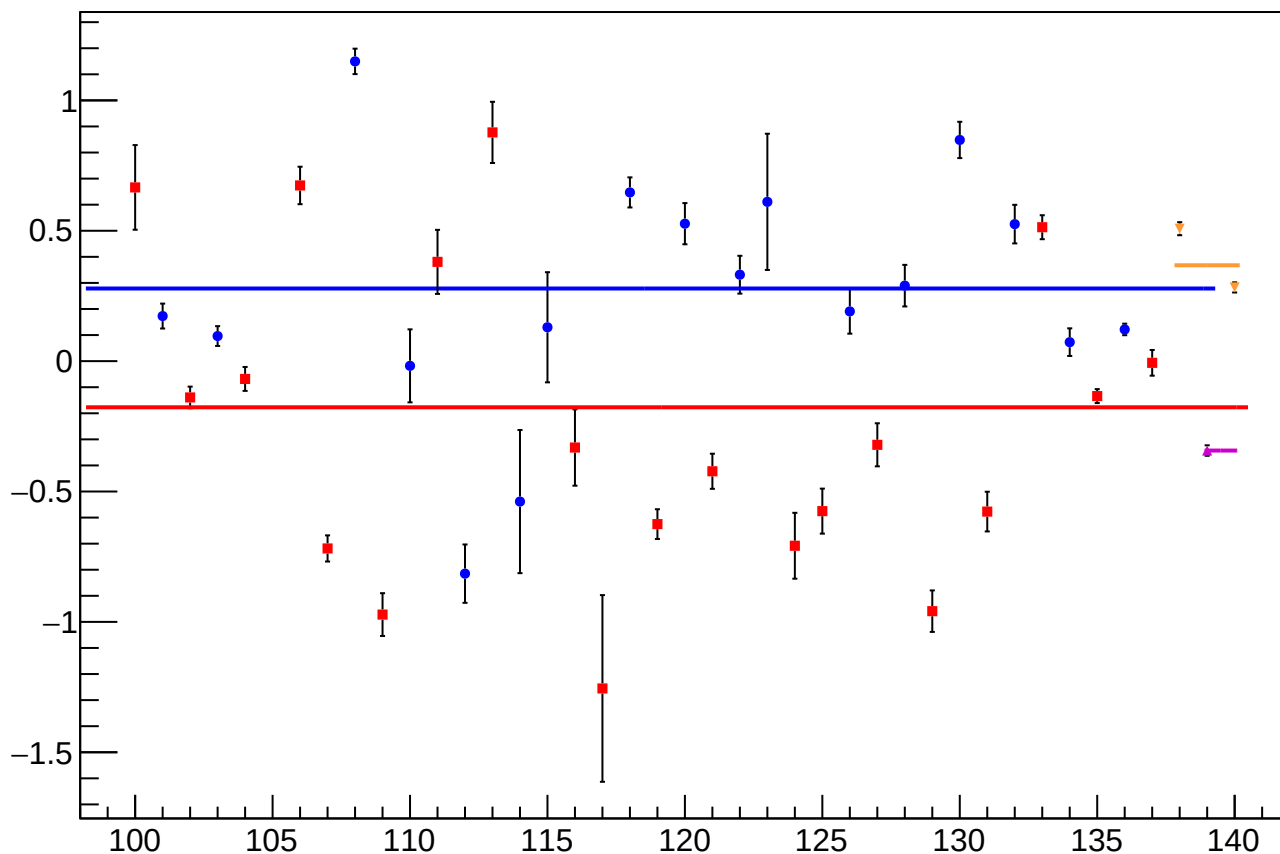
Left In: 45.818+/-0.910 χ^2/NDF : 0.0/0

-91.542+/-0.205 χ^2/NDF : 8426.0/18

-10.191+/-0.155 χ^2/NDF : 384556.6/39

98.553+/-0.238 χ^2/NDF : 9700.8/20

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.368 ± 0.015 χ^2/NDF : 50.4/1

Right Out: -0.177 ± 0.013 χ^2/NDF : 976.8/19

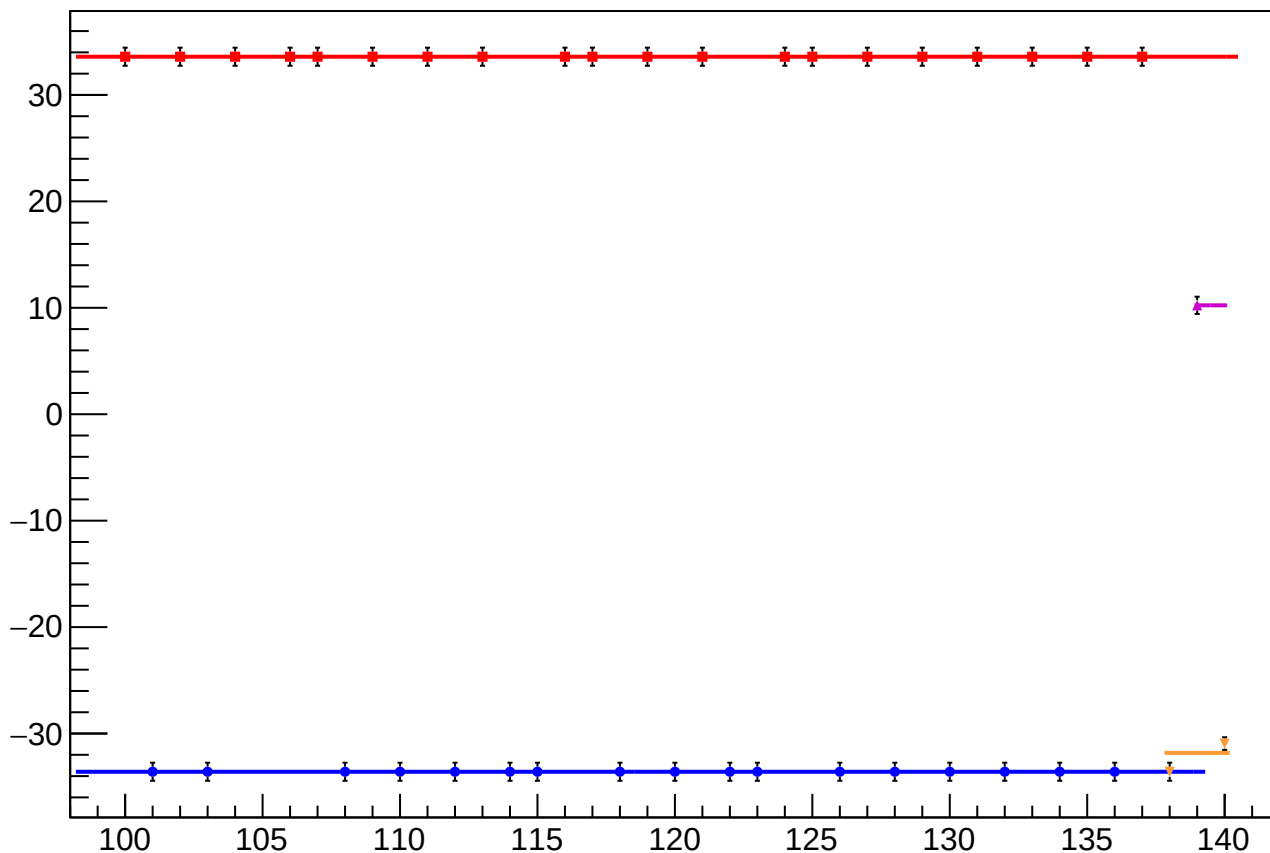
Left In: -0.343 ± 0.020 χ^2/NDF : 0.0/0

0.317 ± 0.010 χ^2/NDF : 723.3/18

0.071 ± 0.008 χ^2/NDF : 3052.4/39

-0.228 ± 0.011 χ^2/NDF : 1023.8/20

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.592 ± 0.206 χ^2/NDF : 0.0/16

Left Out: -31.818 ± 0.488 χ^2/NDF : 6.5/1

Right Out: 33.592 ± 0.190 χ^2/NDF : 0.0/19

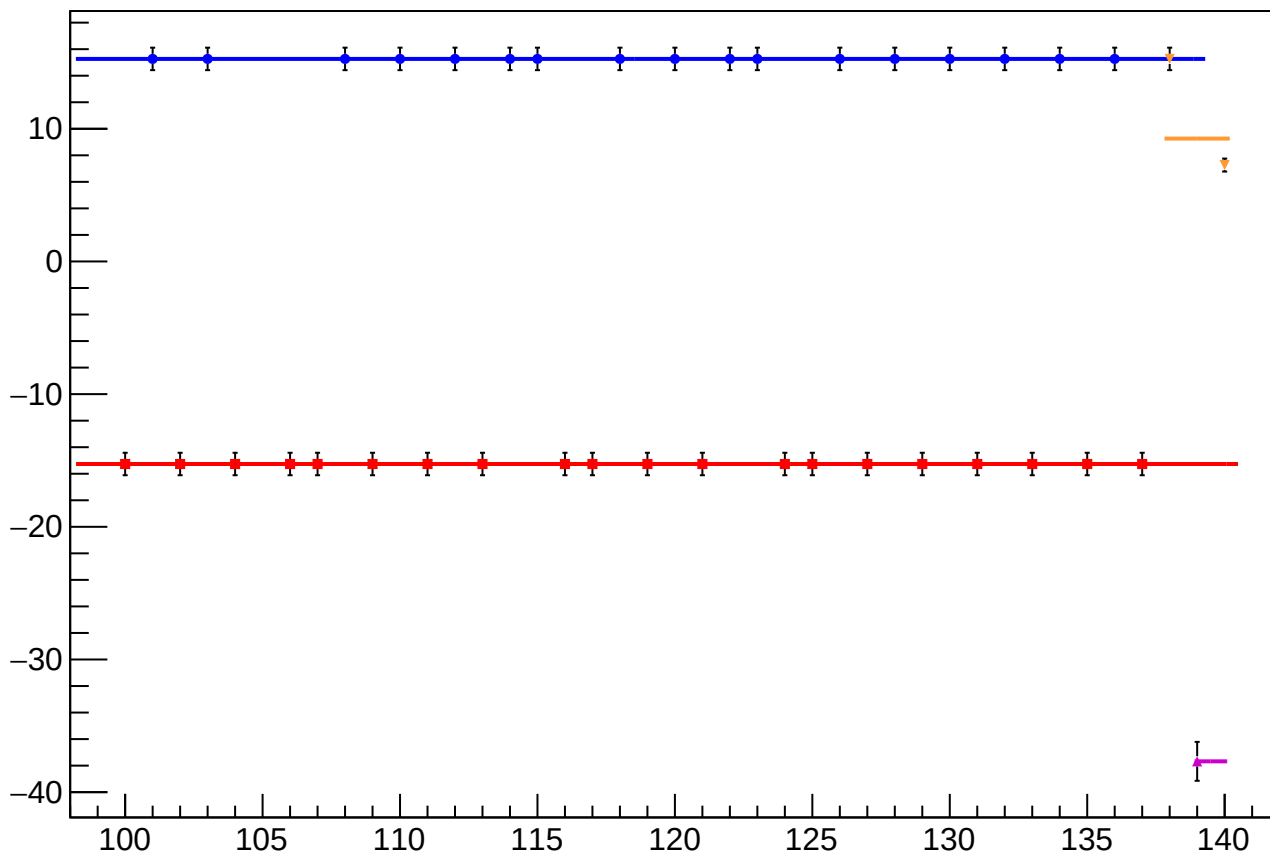
Left In: 10.233 ± 0.810 χ^2/NDF : 0.0/0

-33.323 ± 0.190 χ^2/NDF : 17.7/18

0.378 ± 0.132 χ^2/NDF : 62263.7/39

32.373 ± 0.185 χ^2/NDF : 788.6/20

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.266 $\pm$ 0.205 χ^2 /NDF: 0.0/16

Left Out: 9.262 $\pm$ 0.423 χ^2 /NDF:66.9/1

Right Out: -15.266 $\pm$ 0.189 χ^2 /NDF: 0.0/19

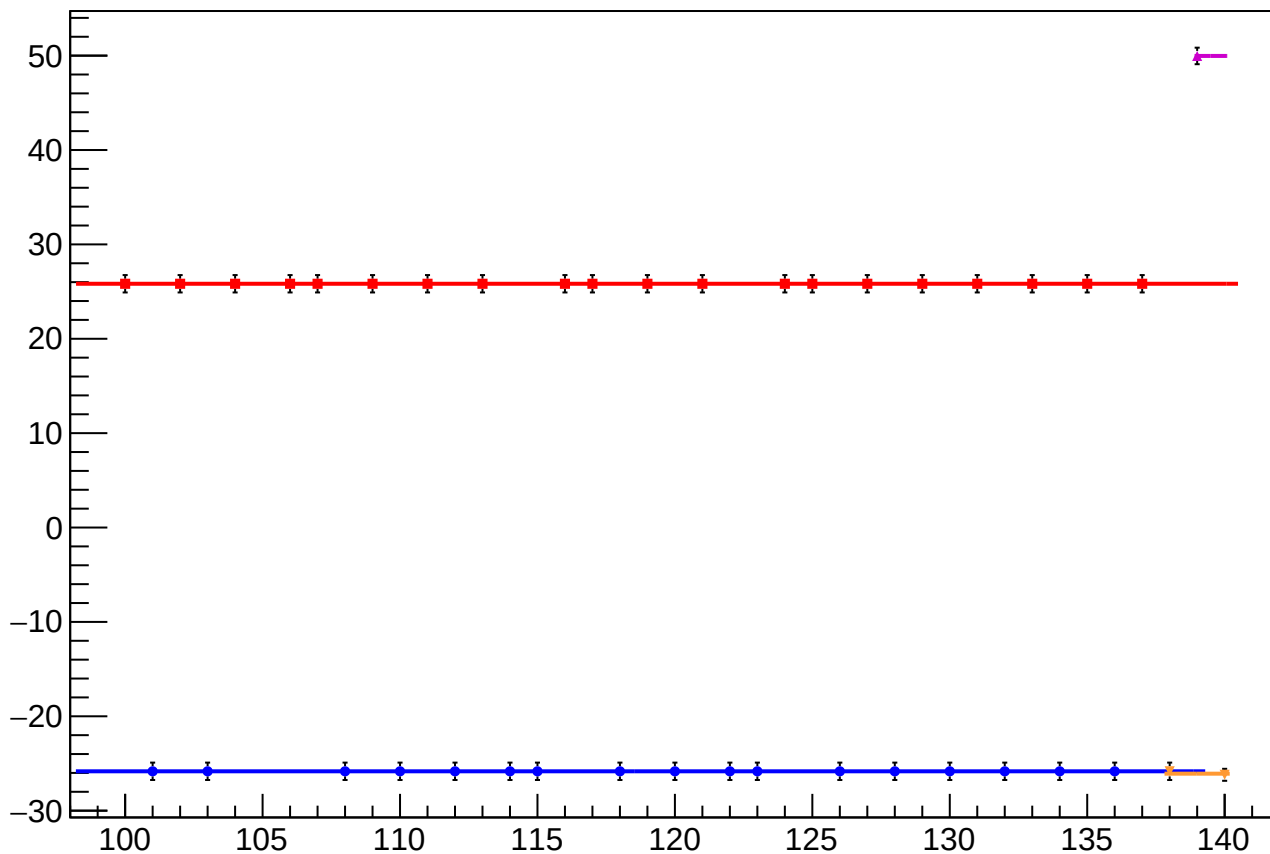
Left In: -37.677 $\pm$ 1.467 χ^2 /NDF:0.0/0

14.121 $\pm$ 0.185 χ^2 /NDF: 229.8/18

-0.514 $\pm$ 0.132 χ^2 /NDF: 13204.3/39

-15.634 $\pm$ 0.188 χ^2 /NDF: 229.6/20

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.828±/0.223 χ^2/NDF : 0.0/16

Left Out: -26.080±/0.523 χ^2/NDF : 0.1/1

Right Out: 25.828±/0.206 χ^2/NDF : 0.0/19

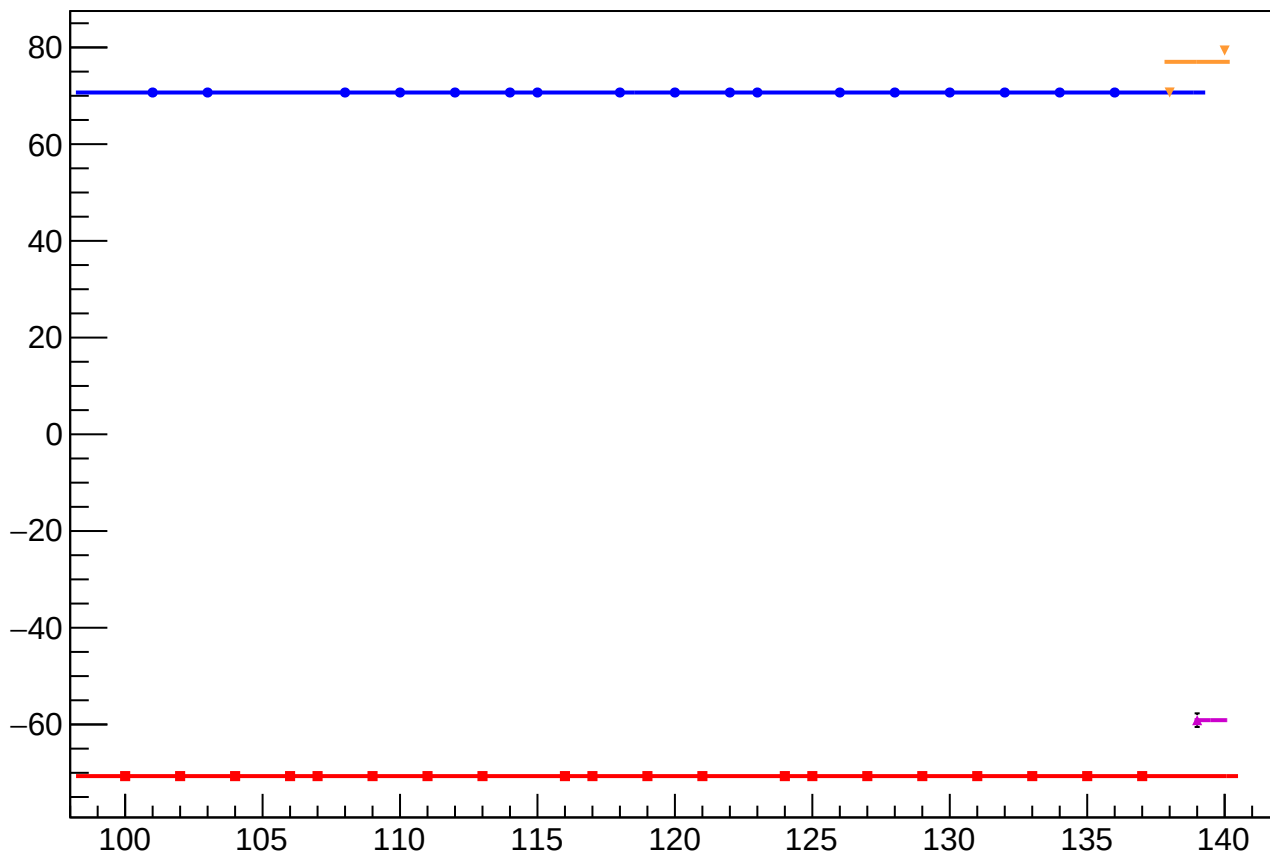
Left In: 49.968±/0.876 χ^2/NDF : 0.0/0

-25.867±/0.205 χ^2/NDF : 0.3/18

1.256±/0.143 χ^2/NDF : 34777.6/39

27.093±/0.200 χ^2/NDF : 719.9/20

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 70.679+/-0.235 χ^2 /NDF: 0.0/16

Left Out: 77.021+/-0.504 χ^2 /NDF: 58.4/1

Right Out: -70.679+/-0.217 χ^2 /NDF: 0.0/19

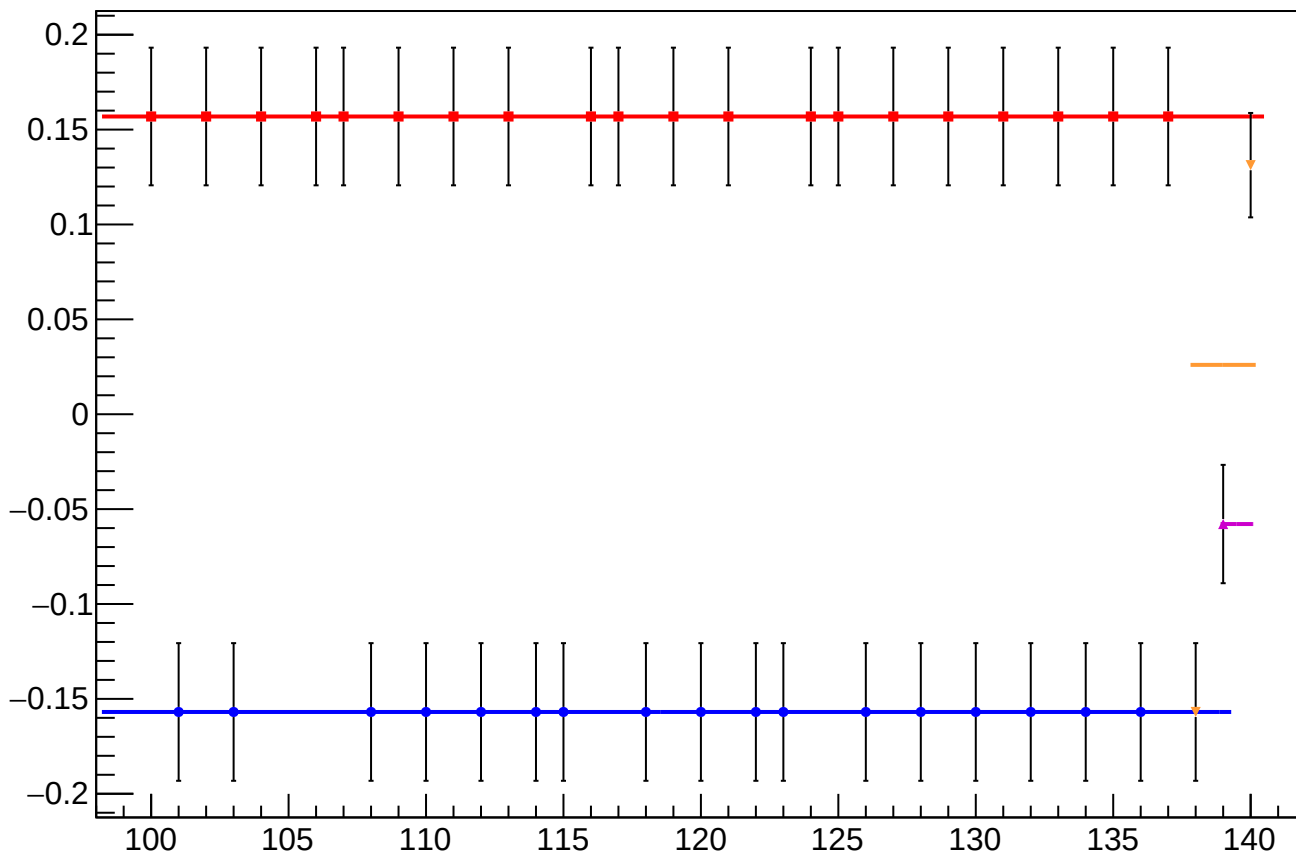
Left In: -59.111+/-1.413 χ^2 /NDF: 0.0/0

71.815+/-0.213 χ^2 /NDF: 188.4/18

1.112+/-0.151 χ^2 /NDF: 221196.8/39

-70.412+/-0.215 χ^2 /NDF: 65.5/20

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.157 $\pm$ 0.009 χ^2/NDF : 0.0/16

Left Out: 0.026 $\pm$ 0.022 χ^2/NDF : 40.1/1

Right Out: 0.157 $\pm$ 0.008 χ^2/NDF : 0.0/19

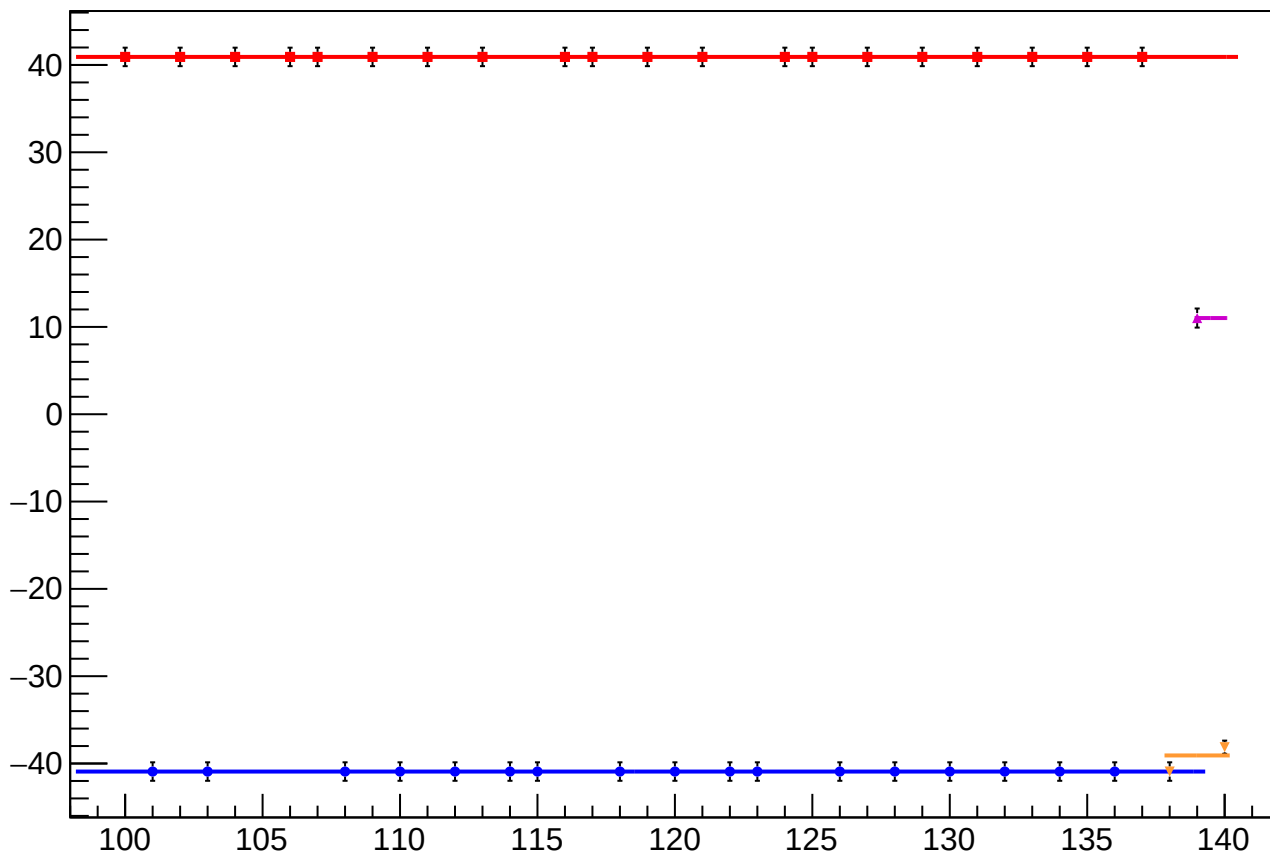
Left In: -0.058 $\pm$ 0.031 χ^2/NDF : 0.0/0

-0.132 $\pm$ 0.008 χ^2/NDF : 100.0/18

0.011 $\pm$ 0.006 χ^2/NDF : 733.4/39

0.143 $\pm$ 0.008 χ^2/NDF : 44.4/20

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -40.922 ± 0.257 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -39.077 ± 0.616 $\chi^2/\text{NDF}: 4.6/1$

Right Out: 40.922 ± 0.237 $\chi^2/\text{NDF}: 0.0/19$

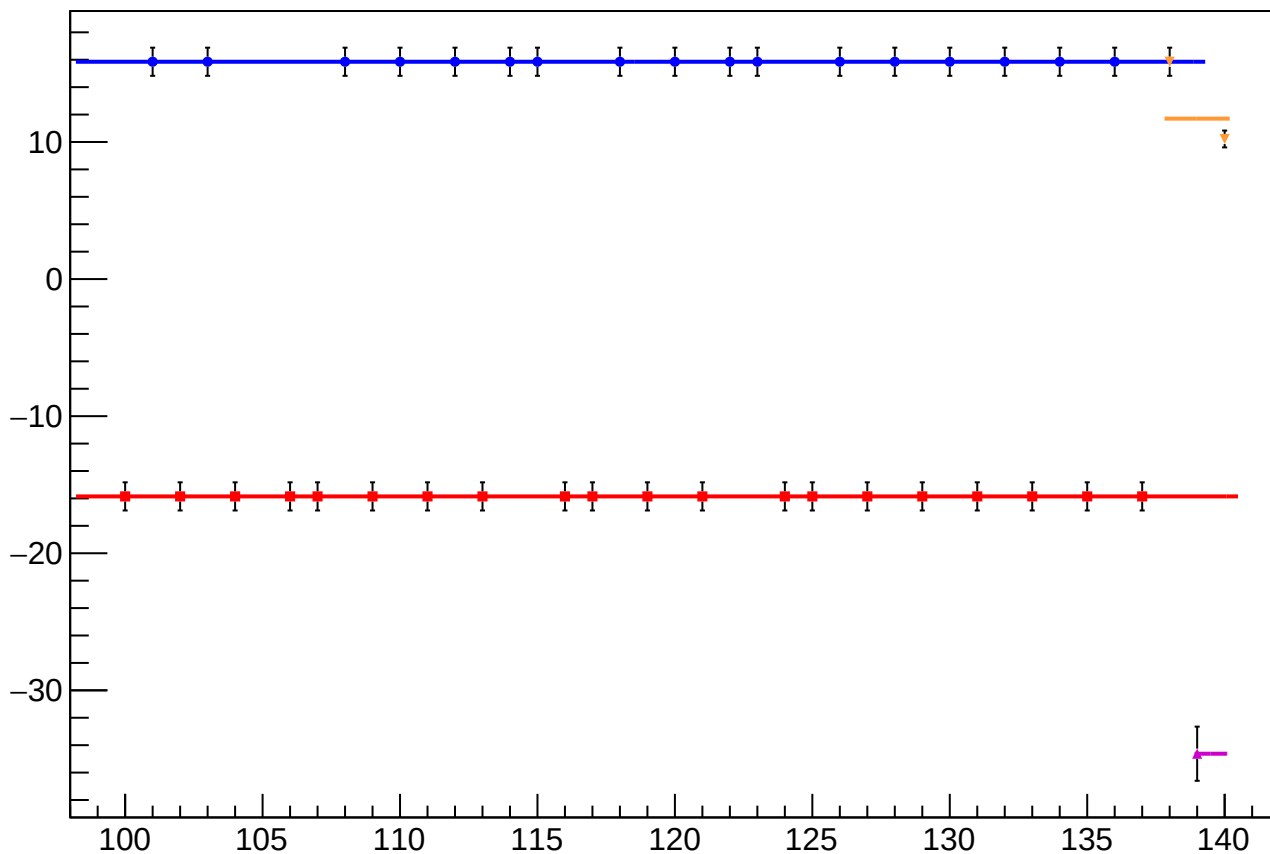
Left In: 11.016 ± 1.094 $\chi^2/\text{NDF}: 0.0/0$

-40.648 ± 0.237 $\chi^2/\text{NDF}: 12.2/18$

0.429 ± 0.166 $\chi^2/\text{NDF}: 59399.6/39$

39.583 ± 0.231 $\chi^2/\text{NDF}: 714.4/20$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.853 $\pm$ 0.249 χ^2/NDF : 0.0/16

Left Out: 11.705 $\pm$ 0.527 χ^2/NDF : 22.2/1

Right Out: -15.853 $\pm$ 0.230 χ^2/NDF : 0.0/19

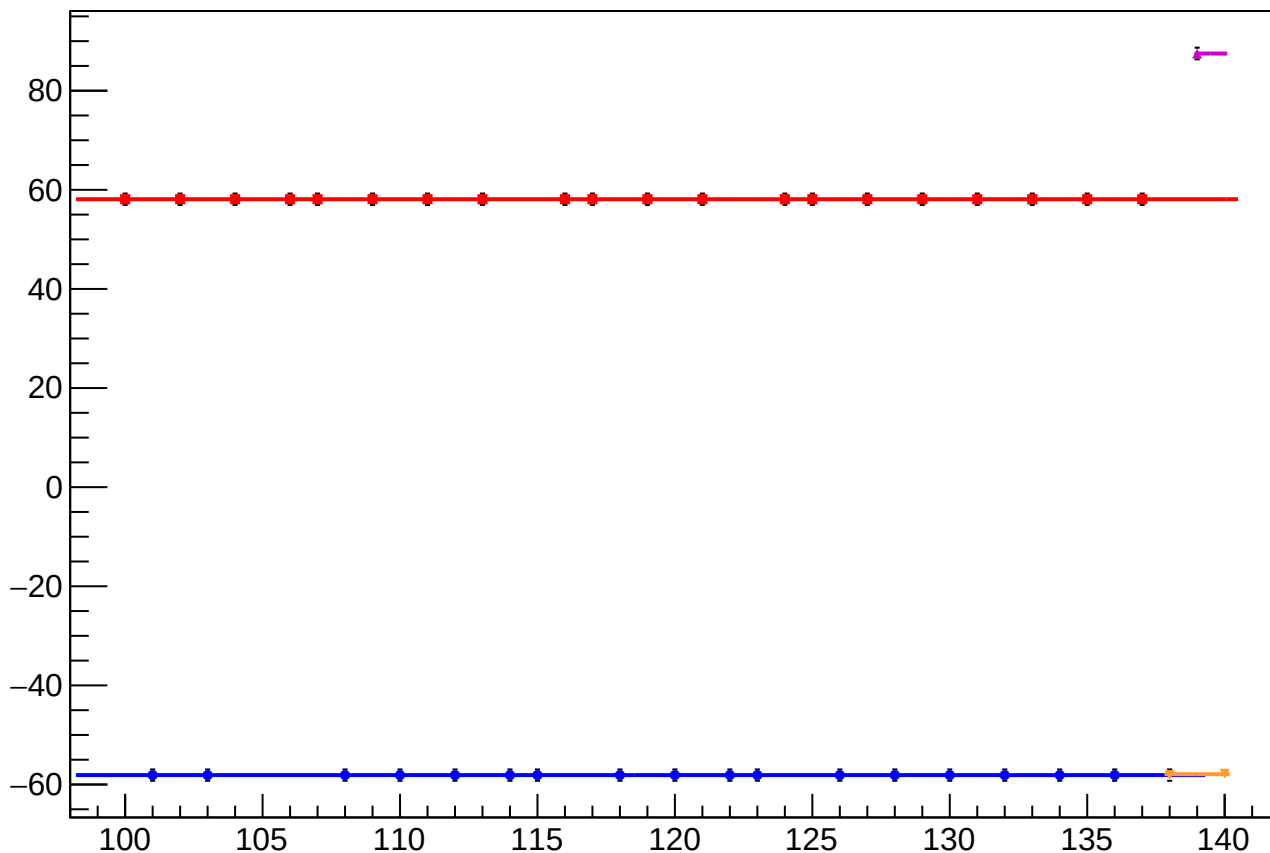
Left In: -34.623 $\pm$ 1.976 χ^2/NDF : 0.0/0

15.097 $\pm$ 0.225 χ^2/NDF : 72.8/18

-0.305 $\pm$ 0.160 χ^2/NDF : 9635.0/39

-16.104 $\pm$ 0.228 χ^2/NDF : 89.1/20

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.103 ± 0.278 χ^2/NDF : 0.0/16

Left Out: -57.920 ± 0.659 χ^2/NDF : 0.0/1

Right Out: 58.103 ± 0.257 χ^2/NDF : 0.0/19

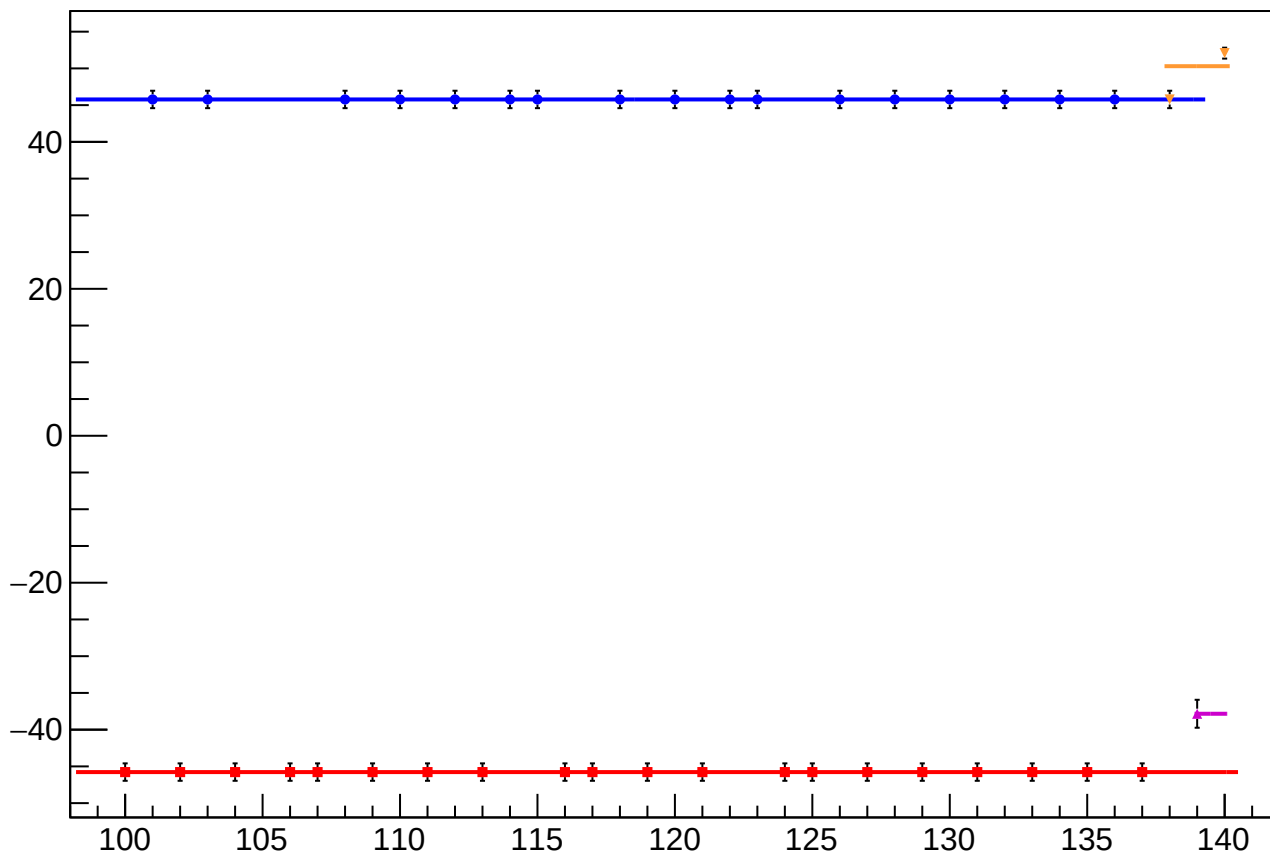
Left In: 87.500 ± 1.183 χ^2/NDF : 0.0/0

-58.076 ± 0.256 χ^2/NDF : 0.1/18

1.983 ± 0.179 χ^2/NDF : 107941.3/39

59.423 ± 0.251 χ^2/NDF : 589.5/20

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.775 $\pm$ 0.288 χ^2 /NDF: 0.0/16

Left Out: 50.301 $\pm$ 0.630 χ^2 /NDF: 20.3/1

Right Out: -45.775 $\pm$ 0.265 χ^2 /NDF: 0.0/19

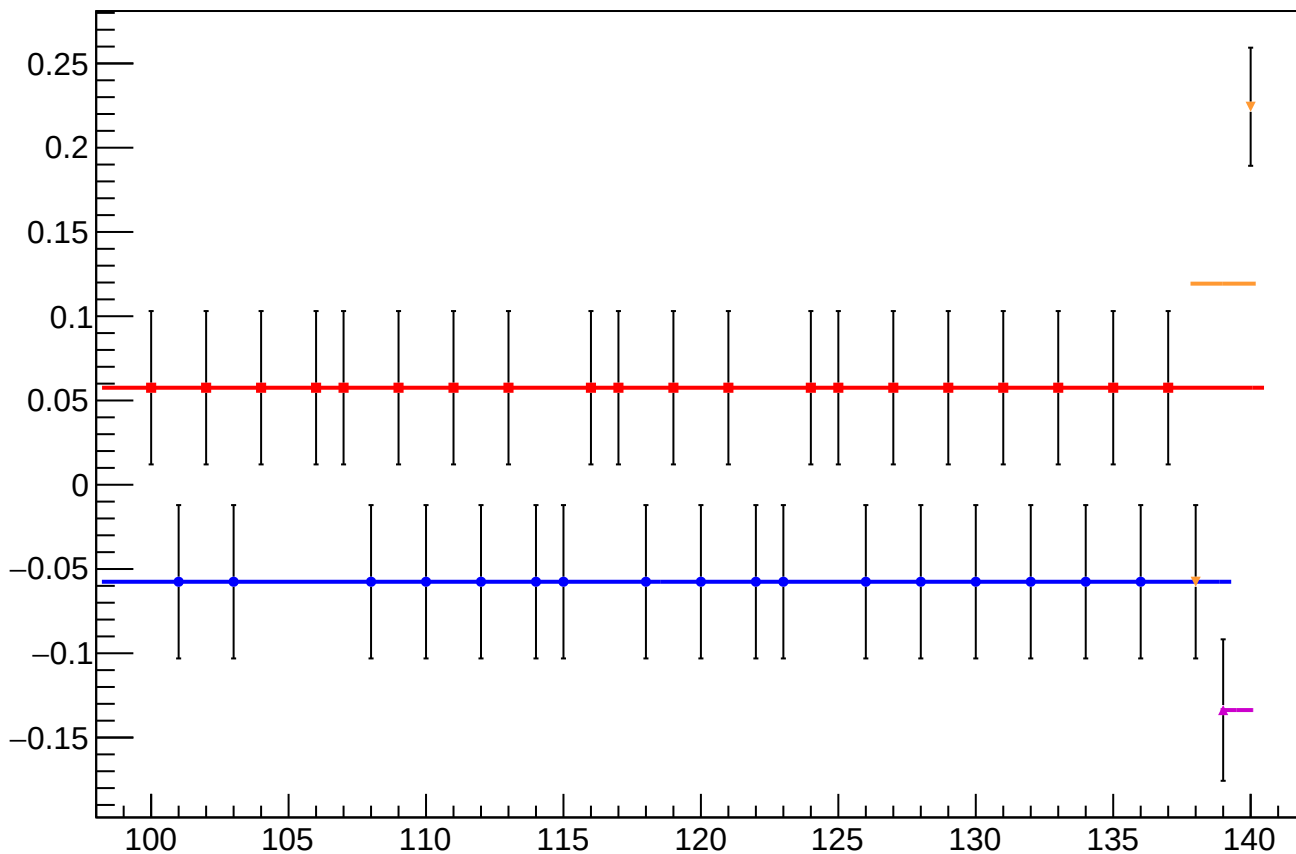
Left In: -37.836 $\pm$ 1.902 χ^2 /NDF: 0.0/0

46.556 $\pm$ 0.262 χ^2 /NDF: 63.1/18

0.644 $\pm$ 0.185 χ^2 /NDF: 61934.4/39

-45.623 $\pm$ 0.263 χ^2 /NDF: 17.1/20

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.058 ± 0.011 χ^2/NDF : 0.0/16

Left Out: 0.119 ± 0.028 χ^2/NDF : 24.1/1

Right Out: 0.058 ± 0.010 χ^2/NDF : 0.0/19

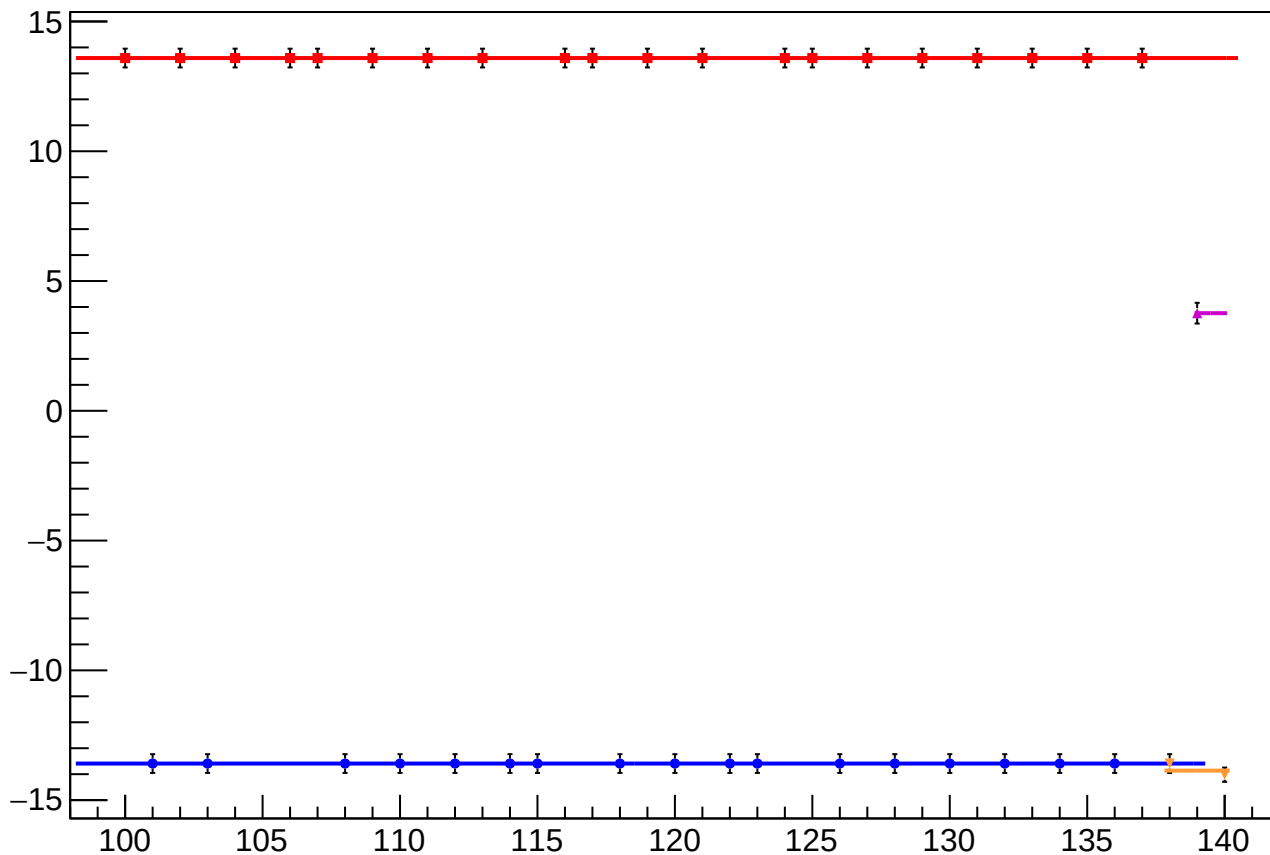
Left In: -0.134 ± 0.042 χ^2/NDF : 0.0/0

-0.033 ± 0.010 χ^2/NDF : 59.1/18

0.008 ± 0.007 χ^2/NDF : 110.6/39

0.047 ± 0.010 χ^2/NDF : 19.6/20

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -13.591 $\pm$ 0.088 χ^2 /NDF: 0.0/16

Left Out: -13.862 $\pm$ 0.219 χ^2 /NDF: 0.9/1

Right Out: 13.591 $\pm$ 0.081 χ^2 /NDF: 0.0/19

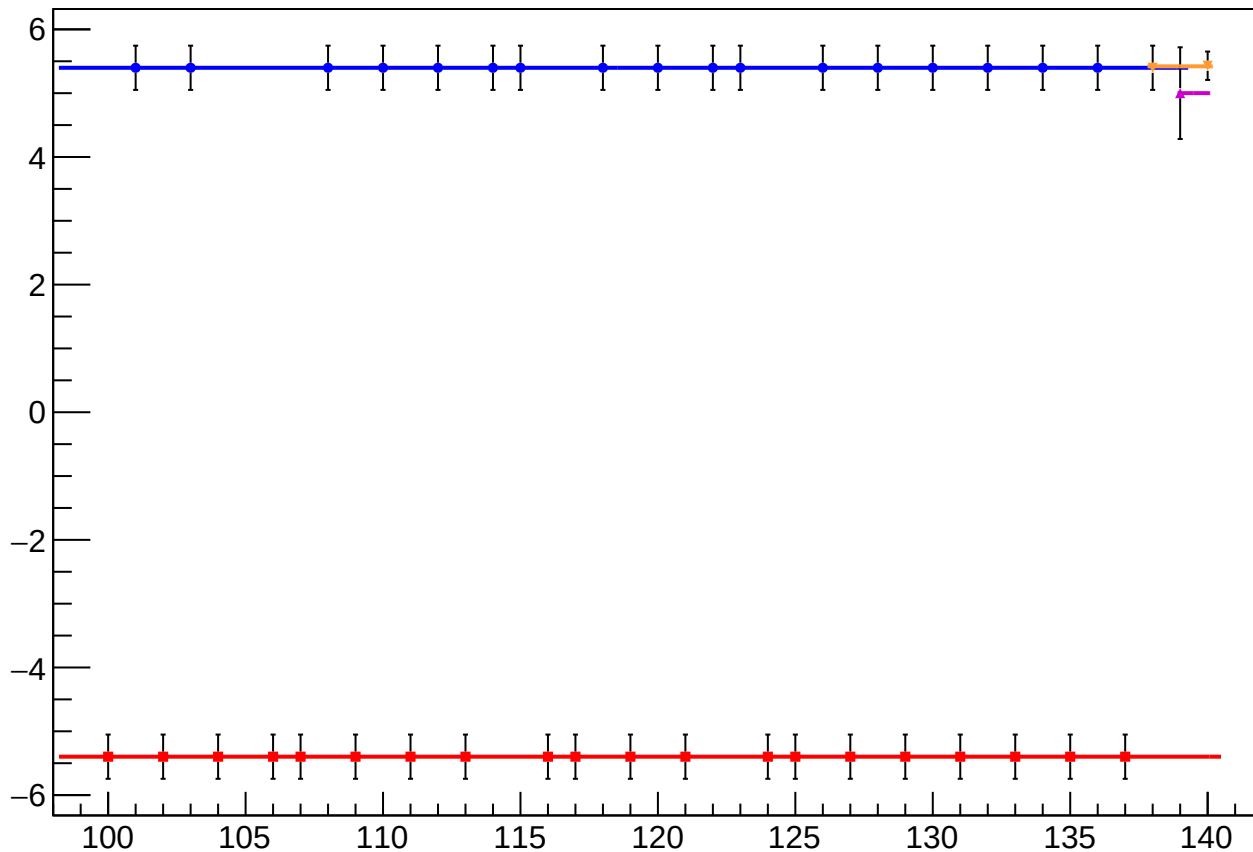
Left In: 3.761 $\pm$ 0.399 χ^2 /NDF: 0.0/0

-13.628 $\pm$ 0.081 χ^2 /NDF: 2.2/18

0.147 $\pm$ 0.057 χ^2 /NDF: 56408.0/39

13.204 $\pm$ 0.079 χ^2 /NDF: 582.0/20

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.398 $\pm$ 0.084 χ^2 /NDF: 0.0/16

Left Out: 5.420 $\pm$ 0.187 χ^2 /NDF:0.0/1

Right Out: -5.398 $\pm$ 0.077 χ^2 /NDF: 0.0/19

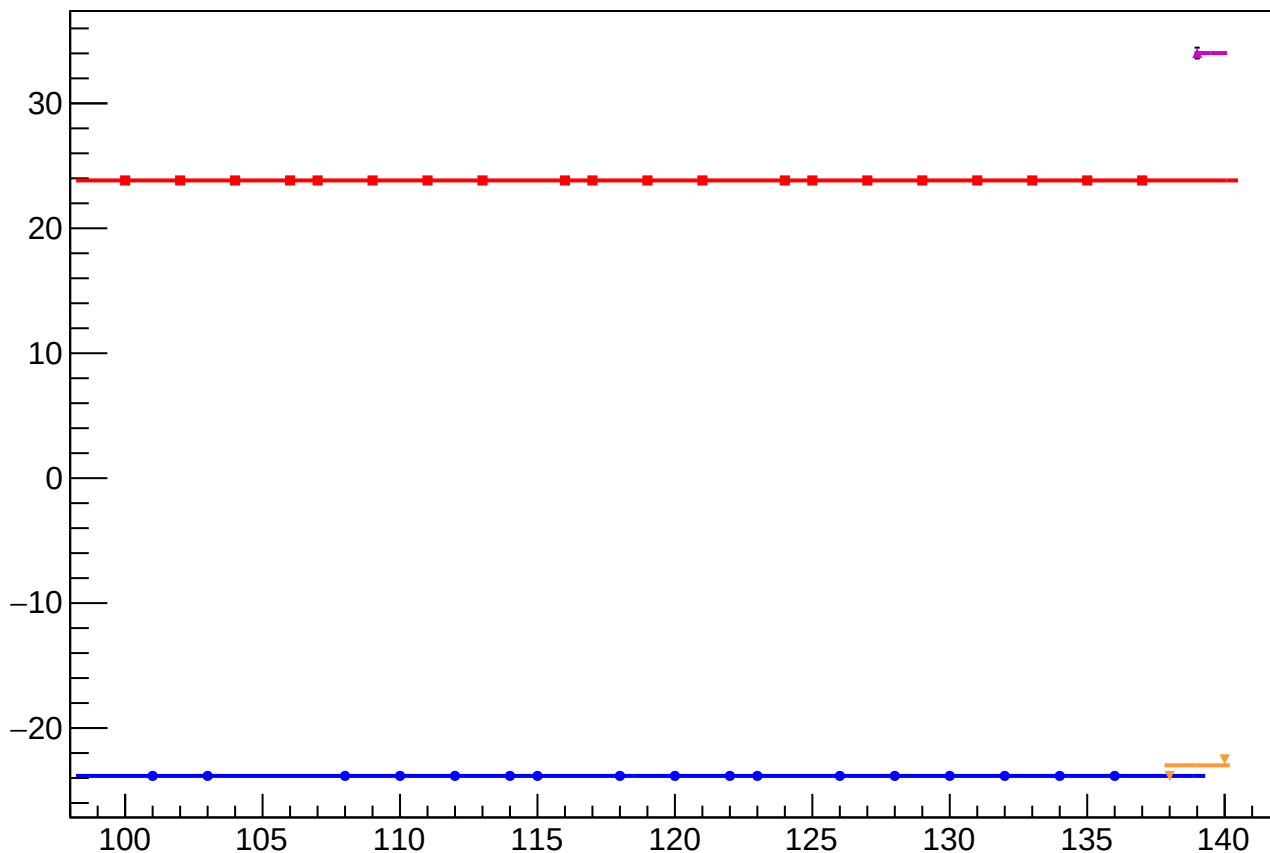
Left In: 5.000 $\pm$ 0.719 χ^2 /NDF:0.0/0

5.402 $\pm$ 0.077 χ^2 /NDF: 0.0/18

0.088 $\pm$ 0.054 χ^2 /NDF: 9860.3/39

-5.278 $\pm$ 0.077 χ^2 /NDF: 207.0/20

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -23.831 $\pm$ 0.095 χ^2/NDF : 0.0/16

Left Out: -22.981 $\pm$ 0.234 χ^2/NDF : 7.3/1

Right Out: 23.831 $\pm$ 0.088 χ^2/NDF : 0.0/19

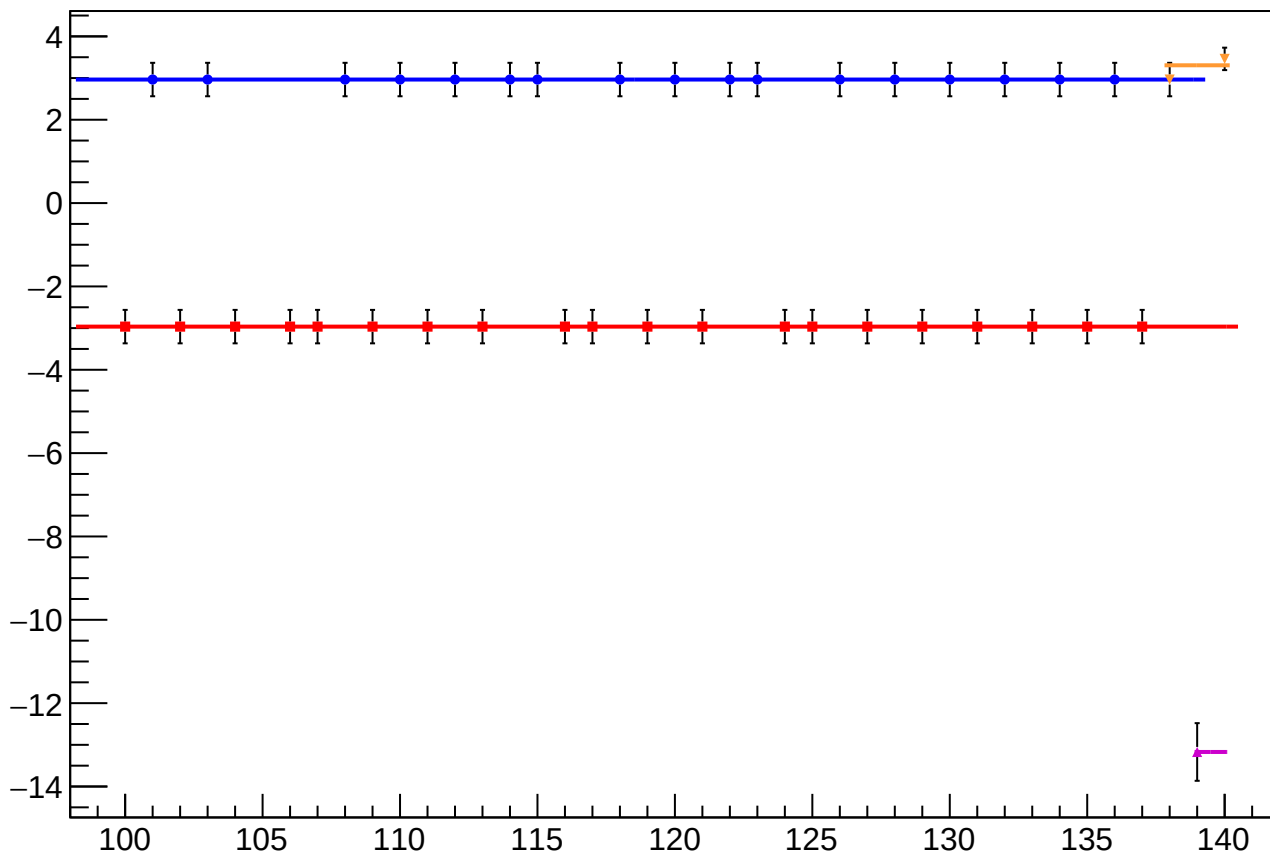
Left In: 34.025 $\pm$ 0.432 χ^2/NDF : 0.0/0

-23.711 $\pm$ 0.088 χ^2/NDF : 18.6/18

0.866 $\pm$ 0.061 χ^2/NDF : 152572.3/39

24.233 $\pm$ 0.086 χ^2/NDF : 533.8/20

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.964 $\pm$ 0.097 χ^2/NDF : 0.0/16

Left Out: 3.306 $\pm$ 0.223 χ^2/NDF : 1.1/1

Right Out: -2.964 $\pm$ 0.090 χ^2/NDF : 0.0/19

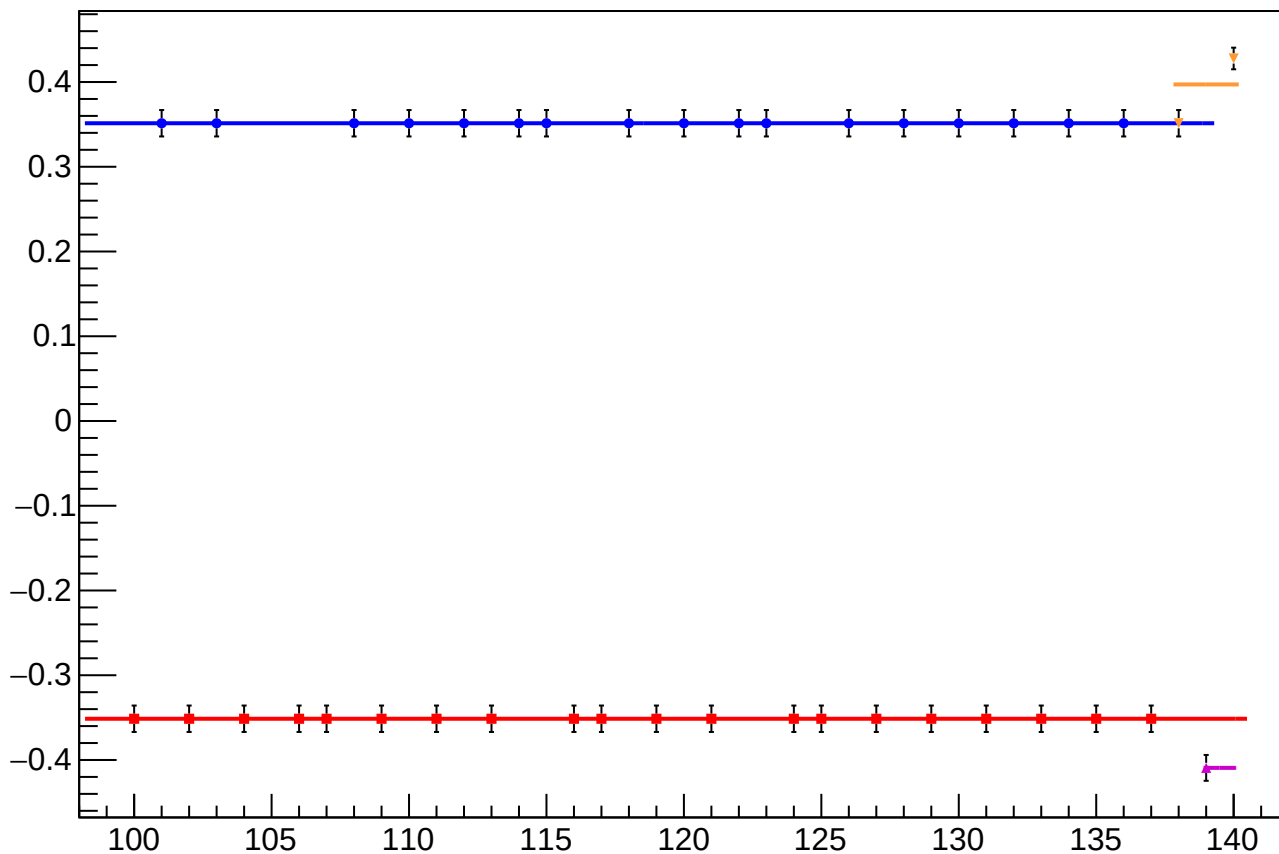
Left In: -13.171 $\pm$ 0.692 χ^2/NDF : 0.0/0

3.019 $\pm$ 0.089 χ^2/NDF : 3.0/18

-0.066 $\pm$ 0.063 χ^2/NDF : 2600.6/39

-3.133 $\pm$ 0.089 χ^2/NDF : 214.1/20

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.351 ± 0.004 χ^2/NDF : 0.0/16

Left Out: 0.397 ± 0.010 χ^2/NDF : 14.4/1

Right Out: -0.351 ± 0.003 χ^2/NDF : 0.0/19

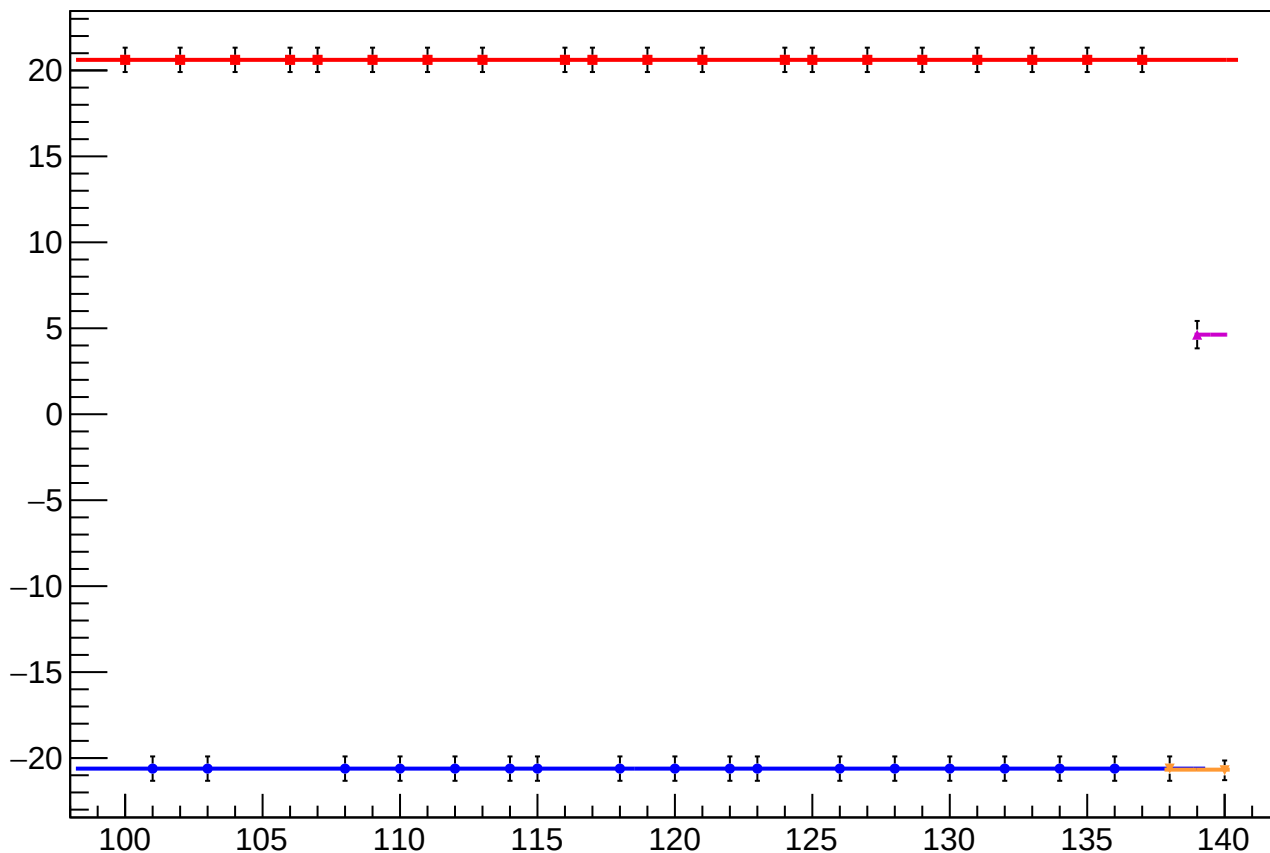
Left In: -0.409 ± 0.015 χ^2/NDF : 0.0/0

0.357 ± 0.004 χ^2/NDF : 33.1/18

-0.012 ± 0.002 χ^2/NDF : 21124.2/39

-0.354 ± 0.003 χ^2/NDF : 13.7/20

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -20.614 ± 0.172 χ^2/NDF : 0.0/16

Left Out: -20.673 ± 0.445 χ^2/NDF : 0.0/1

Right Out: 20.614 ± 0.158 χ^2/NDF : 0.0/19

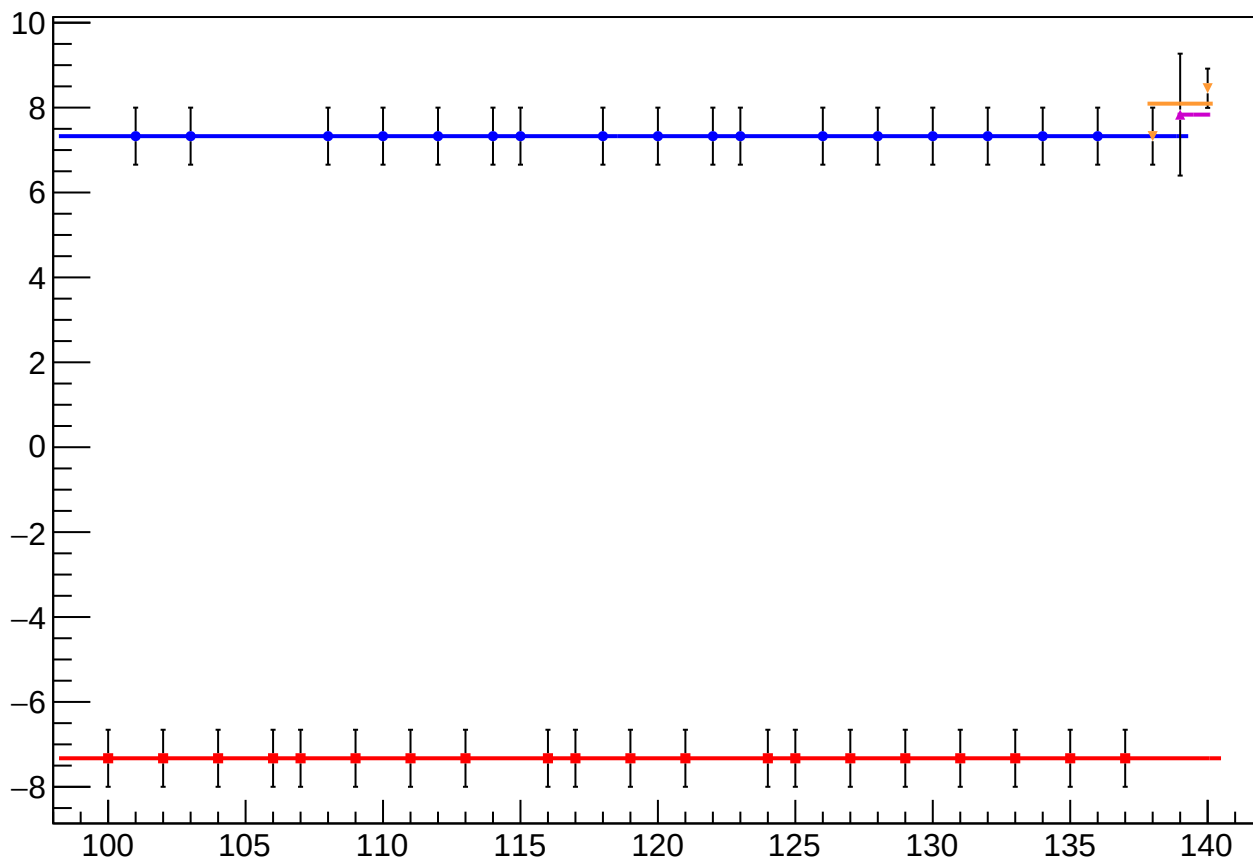
Left In: 4.629 ± 0.797 χ^2/NDF : 0.0/0

-20.621 ± 0.160 χ^2/NDF : 0.0/18

0.323 ± 0.112 χ^2/NDF : 33485.2/39

20.006 ± 0.155 χ^2/NDF : 386.5/20

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.327 $\pm$ 0.163 χ^2/NDF : 0.0/16

Left Out: 8.093 $\pm$ 0.381 χ^2/NDF : 1.9/1

Right Out: -7.327 $\pm$ 0.150 χ^2/NDF : 0.0/19

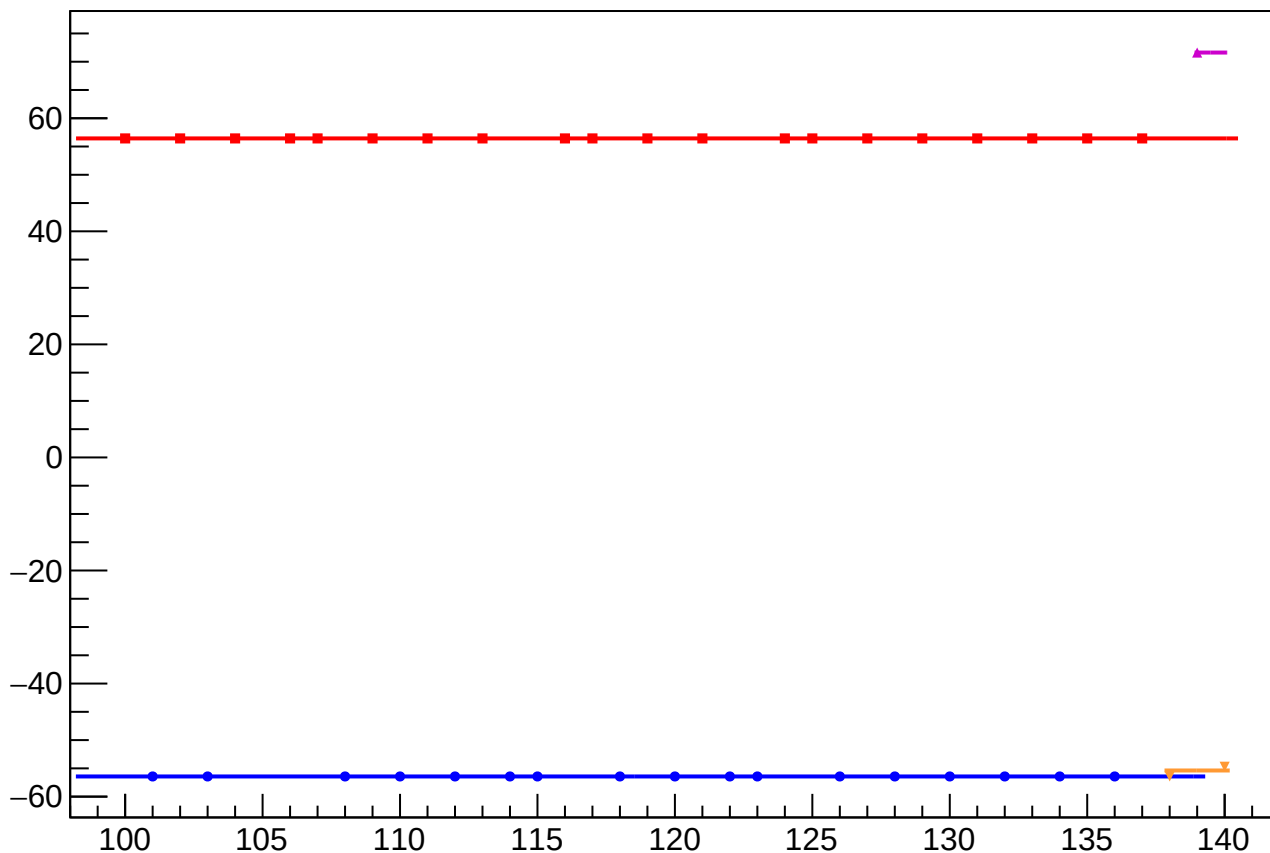
Left In: 7.835 $\pm$ 1.436 χ^2/NDF : 0.0/0

7.446 $\pm$ 0.150 χ^2/NDF : 5.3/18

0.122 $\pm$ 0.106 χ^2/NDF : 4883.1/39

-7.163 $\pm$ 0.149 χ^2/NDF : 110.3/20

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.432 ± 0.186 χ^2/NDF : 0.0/16

Left Out: -55.377 ± 0.477 χ^2/NDF : 3.1/1

Right Out: 56.432 ± 0.172 χ^2/NDF : 0.0/19

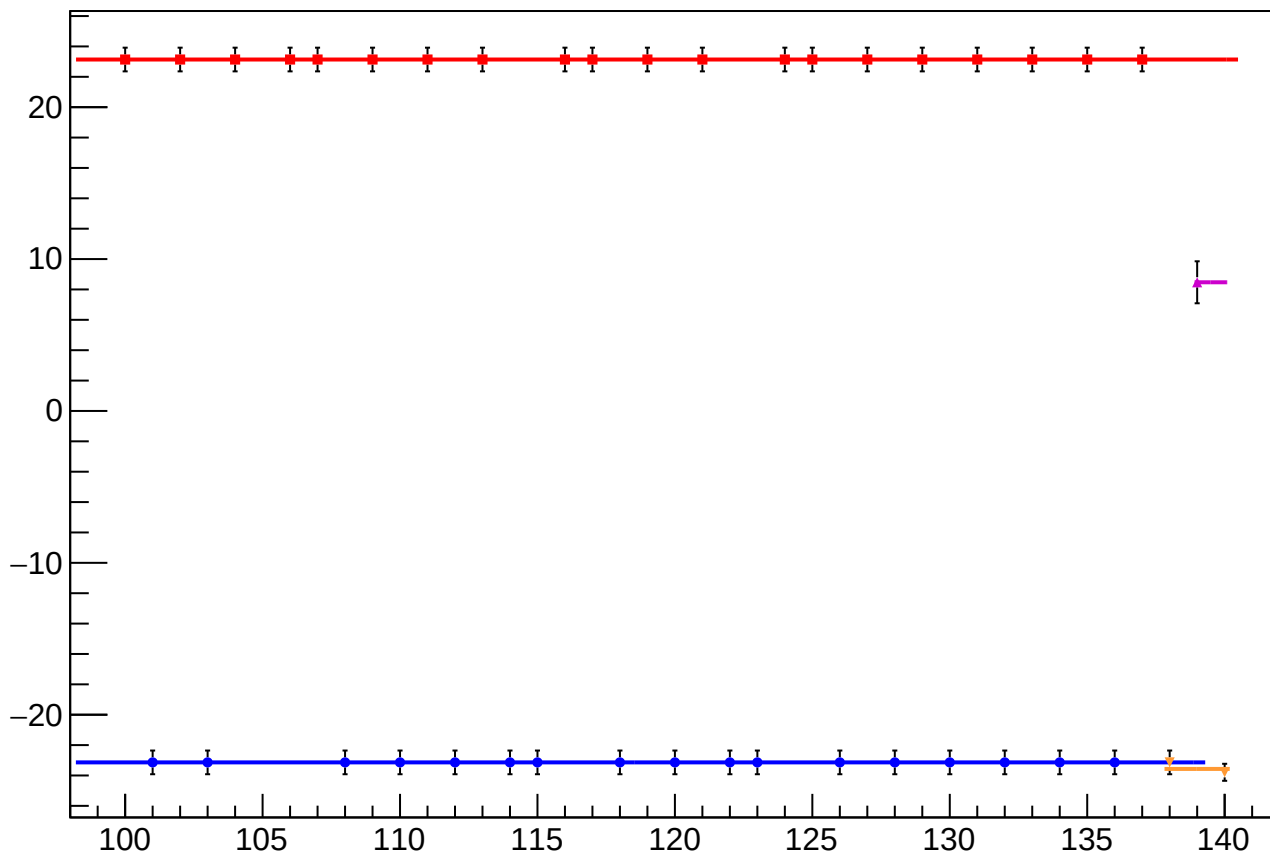
Left In: 71.621 ± 0.863 χ^2/NDF : 0.0/0

-56.293 ± 0.173 χ^2/NDF : 7.3/18

2.038 ± 0.121 χ^2/NDF : 219866.1/39

57.010 ± 0.168 χ^2/NDF : 297.7/20

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -23.138 ± 0.189 χ^2/NDF : 0.0/16

Left Out: -23.569 ± 0.455 χ^2/NDF : 0.5/1

Right Out: 23.138 ± 0.174 χ^2/NDF : 0.0/19

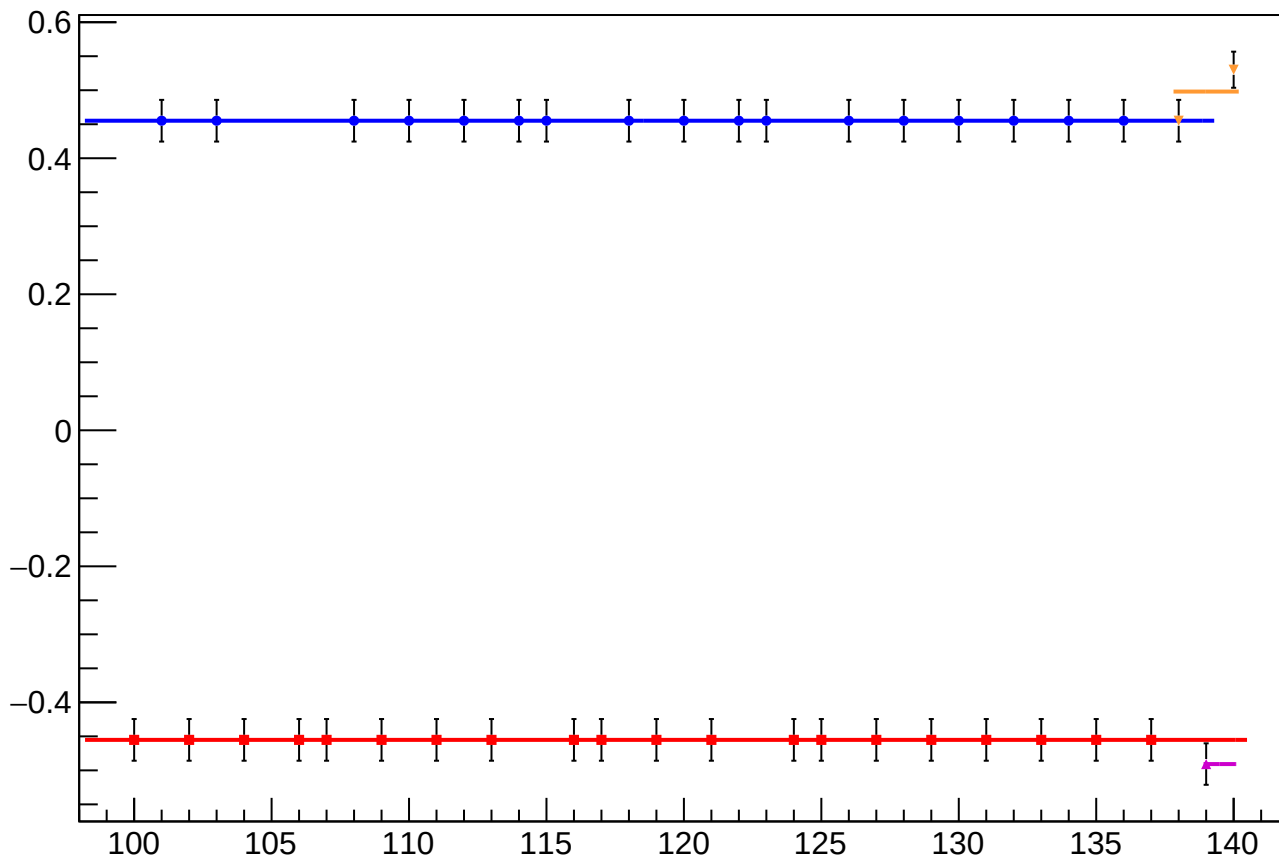
Left In: 8.472 ± 1.382 χ^2/NDF : 0.0/0

-23.202 ± 0.175 χ^2/NDF : 1.2/18

0.070 ± 0.123 χ^2/NDF : 35279.3/39

22.908 ± 0.173 χ^2/NDF : 110.8/20

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.455±/-0.007 χ^2/NDF : 0.0/16

Left Out: 0.498±/-0.020 χ^2/NDF : 3.4/1

Right Out: -0.455±/-0.007 χ^2/NDF : 0.0/19

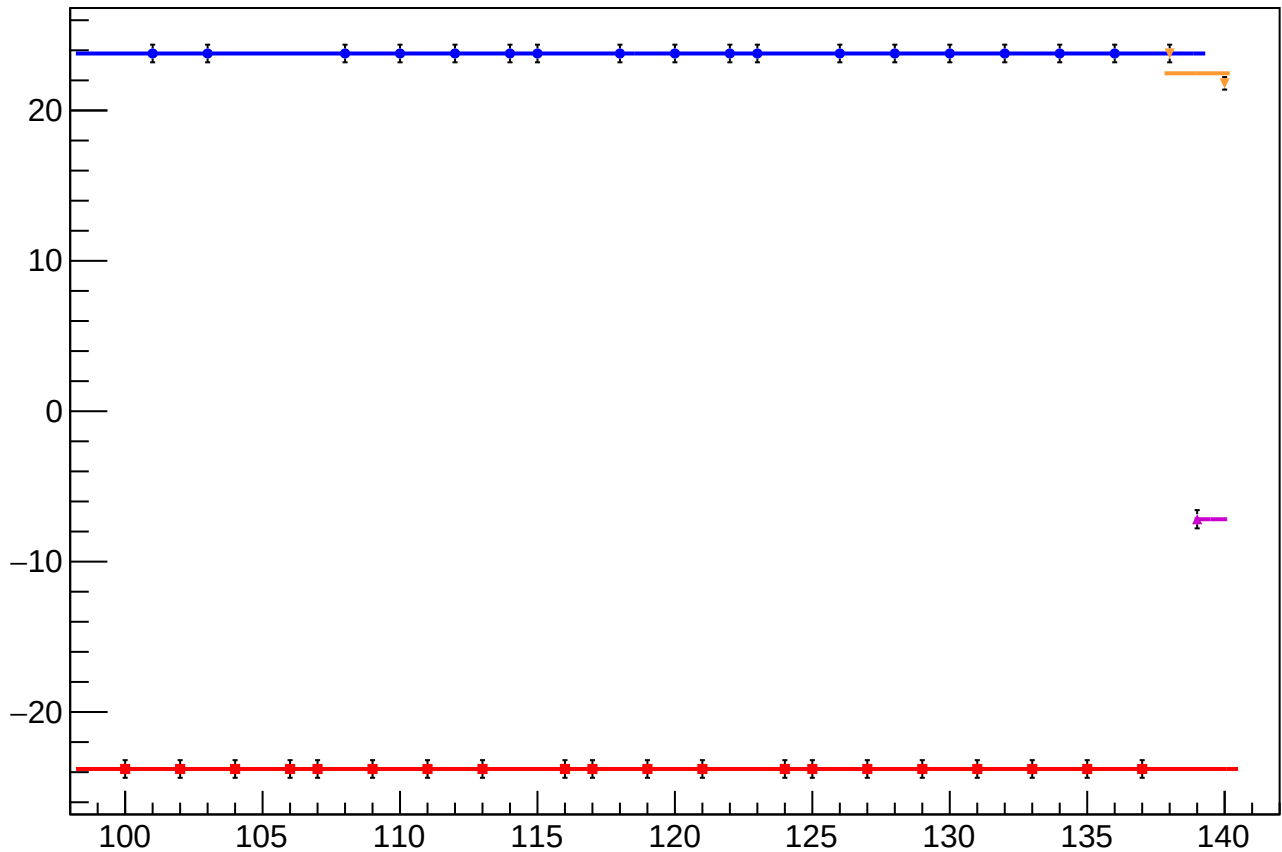
Left In: -0.491±/-0.030 χ^2/NDF : 0.0/0

0.460±/-0.007 χ^2/NDF : 7.4/18

-0.017±/-0.005 χ^2/NDF : 9023.6/39

-0.457±/-0.007 χ^2/NDF : 1.3/20

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 23.788 $\pm$ 0.142 χ^2 /NDF: 0.0/16

Left Out: 22.471 $\pm$ 0.341 χ^2 /NDF: 7.6/1

Right Out: -23.788 $\pm$ 0.131 χ^2 /NDF: 0.0/19

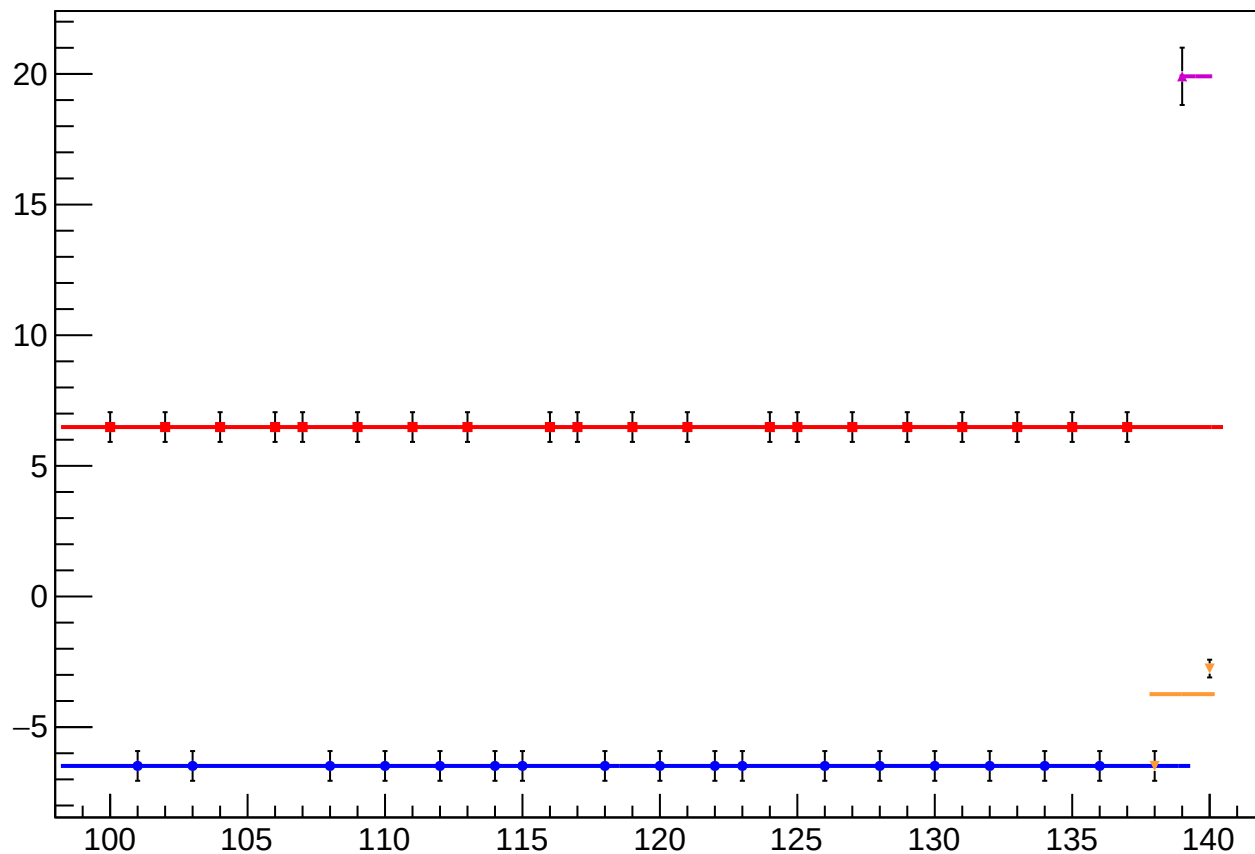
Left In: -7.181 $\pm$ 0.607 χ^2 /NDF: 0.0/0

23.592 $\pm$ 0.131 χ^2 /NDF: 20.3/18

-0.279 $\pm$ 0.092 χ^2 /NDF: 65330.2/39

-23.047 $\pm$ 0.128 χ^2 /NDF: 715.0/20

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.485 ± 0.138 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -3.738 ± 0.292 $\chi^2/\text{NDF}: 31.6/1$

Right Out: 6.485 ± 0.127 $\chi^2/\text{NDF}: 0.0/19$

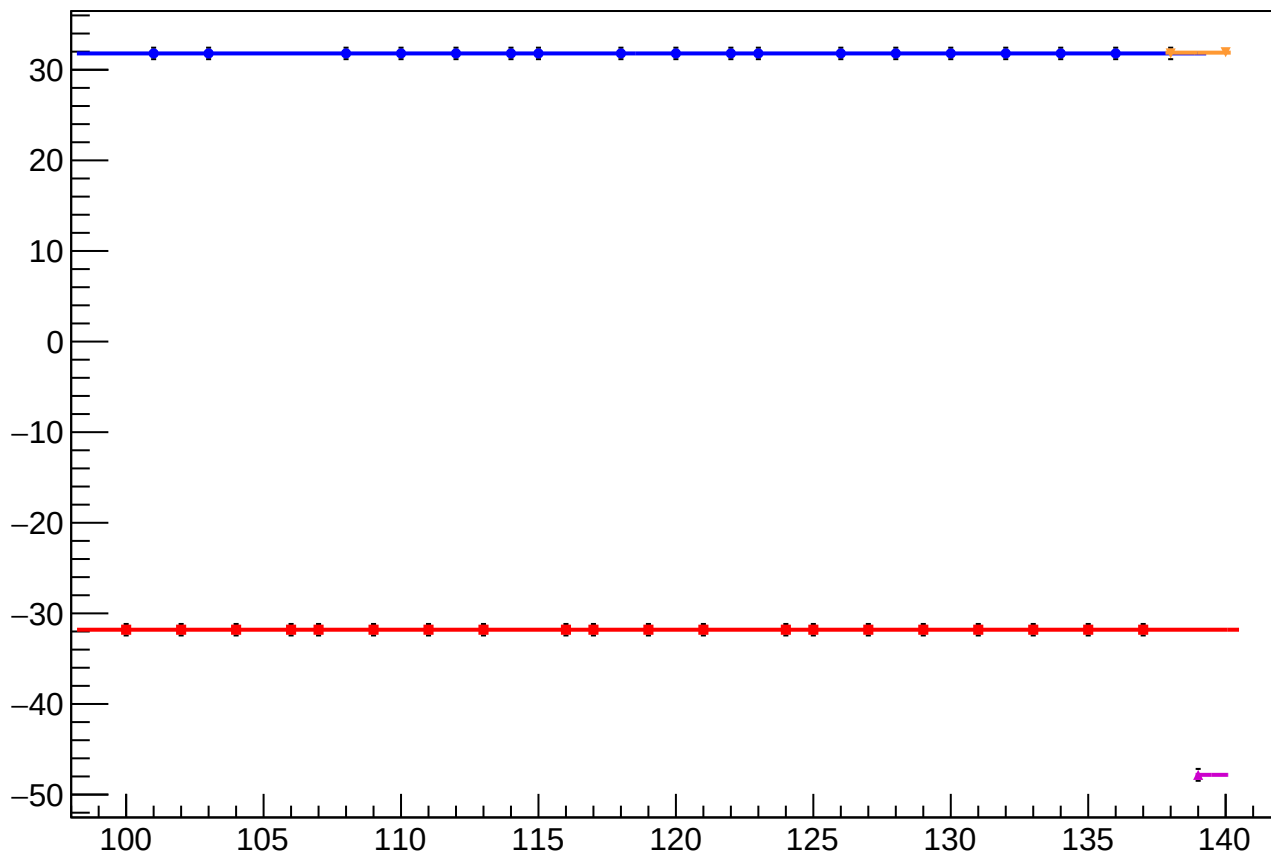
Left In: 19.909 ± 1.096 $\chi^2/\text{NDF}: 0.0/0$

-5.983 ± 0.125 $\chi^2/\text{NDF}: 104.1/18$

0.258 ± 0.089 $\chi^2/\text{NDF}: 5323.5/39$

6.664 ± 0.126 $\chi^2/\text{NDF}: 147.9/20$

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 31.804 ± 0.154 χ^2/NDF : 0.0/16

Left Out: 31.891 ± 0.365 χ^2/NDF : 0.0/1

Right Out: -31.804 ± 0.142 χ^2/NDF : 0.0/19

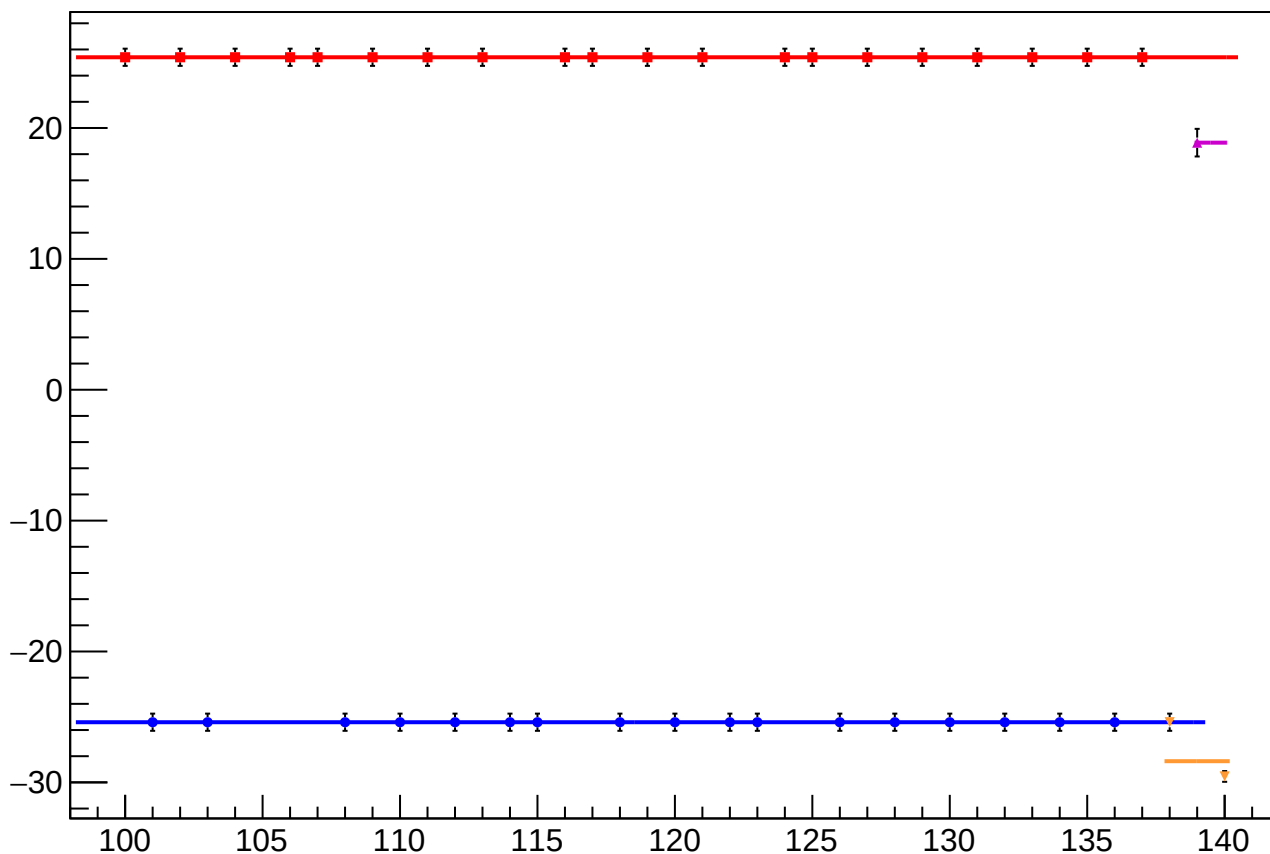
Left In: -47.822 ± 0.657 χ^2/NDF : 0.0/0

31.817 ± 0.142 χ^2/NDF : 0.1/18

-1.058 ± 0.099 χ^2/NDF : 105428.9/39

-32.521 ± 0.139 χ^2/NDF : 568.1/20

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -25.404 ± 0.159 χ^2/NDF : 0.0/16

Left Out: -28.382 ± 0.348 χ^2/NDF : 28.6/1

Right Out: 25.404 ± 0.147 χ^2/NDF : 0.0/19

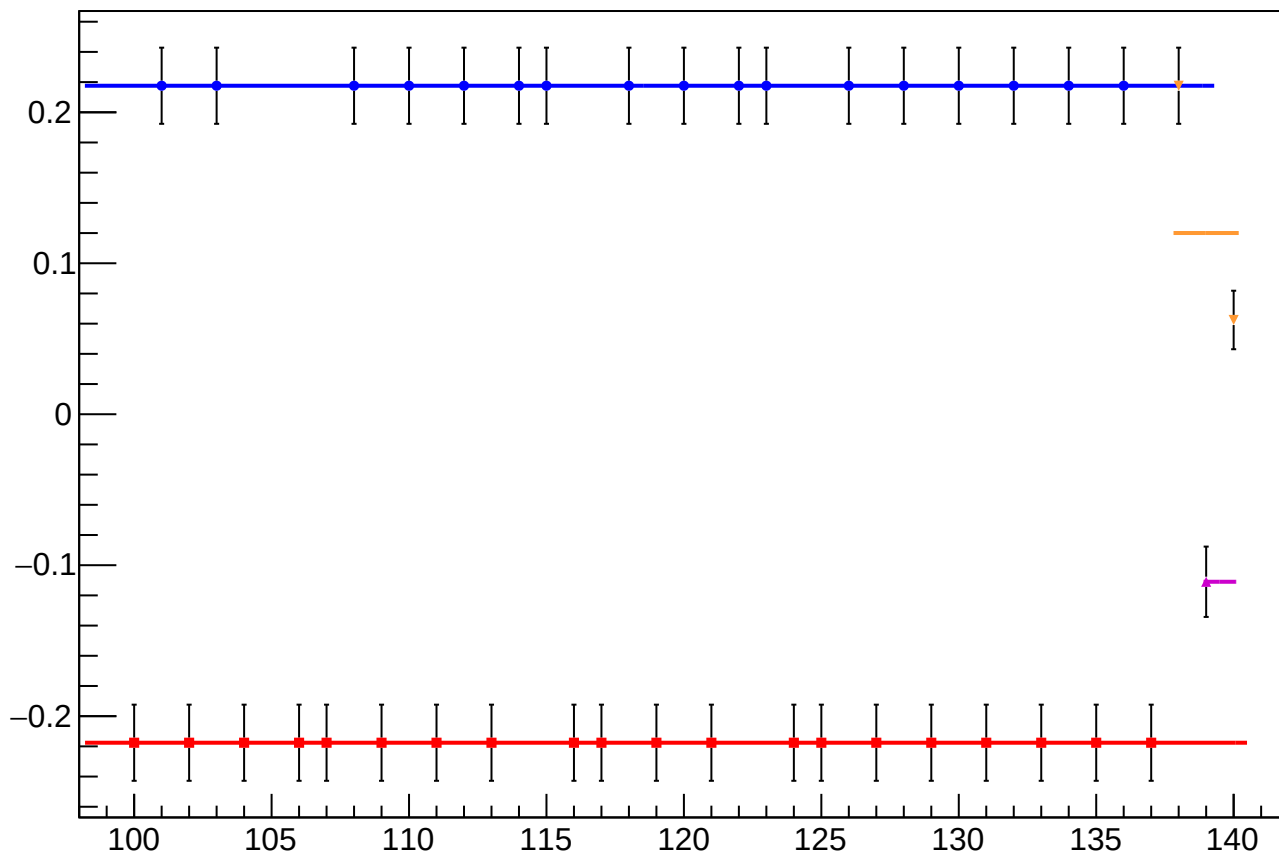
Left In: 18.879 ± 1.056 χ^2/NDF : 0.0/0

-25.920 ± 0.145 χ^2/NDF : 89.1/18

-0.428 ± 0.103 χ^2/NDF : 62292.5/39

25.280 ± 0.146 χ^2/NDF : 37.5/20

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.218 $\pm$ 0.006 χ^2/NDF : 0.0/16

Left Out: 0.120 $\pm$ 0.015 χ^2/NDF : 23.8/1

Right Out: -0.218 $\pm$ 0.006 χ^2/NDF : 0.0/19

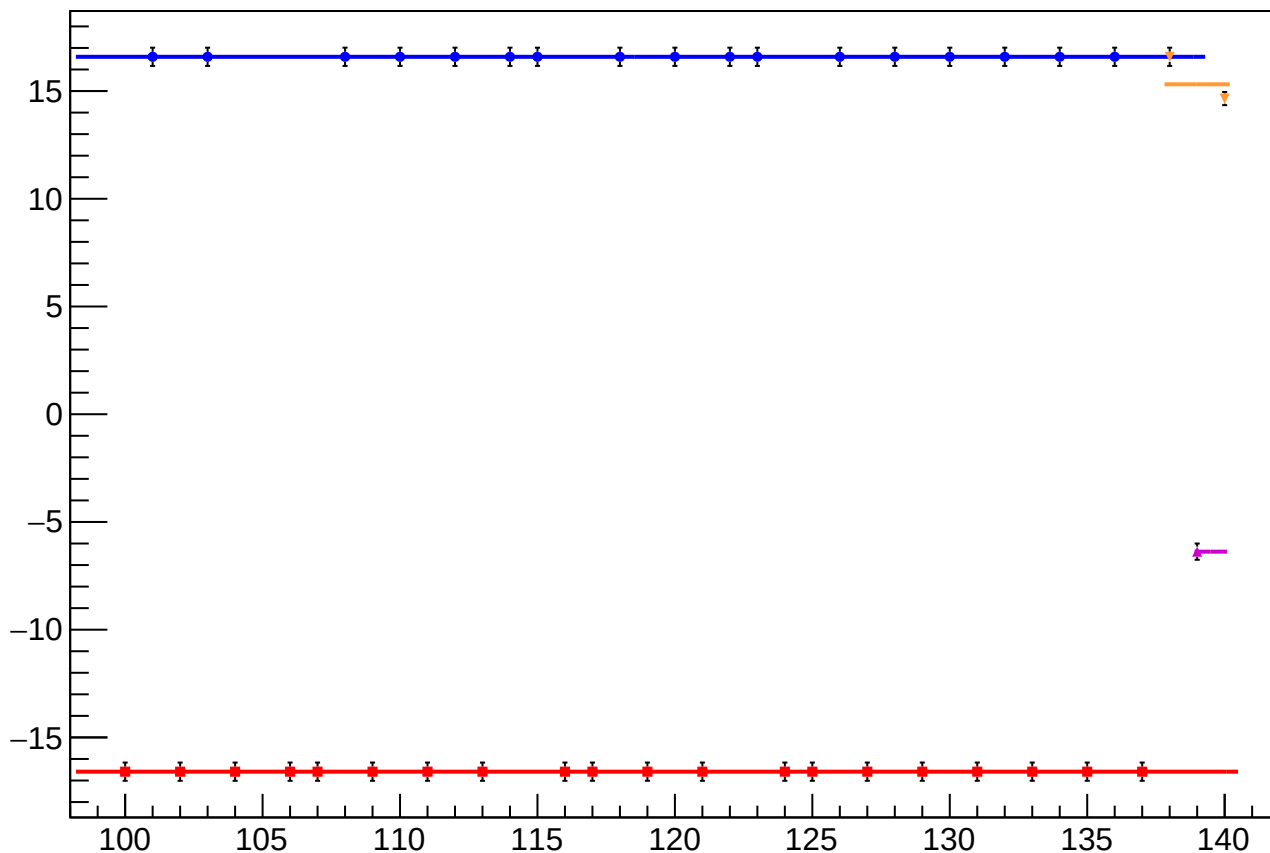
Left In: -0.111 $\pm$ 0.023 χ^2/NDF : 0.0/0

0.204 $\pm$ 0.006 χ^2/NDF : 58.6/18

-0.011 $\pm$ 0.004 χ^2/NDF : 2853.6/39

-0.212 $\pm$ 0.005 χ^2/NDF : 19.8/20

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 16.590 $\pm$ 0.103 χ^2 /NDF: 0.0/16

Left Out: 15.313 $\pm$ 0.248 χ^2 /NDF: 13.8/1

Right Out: -16.590 $\pm$ 0.095 χ^2 /NDF: 0.0/19

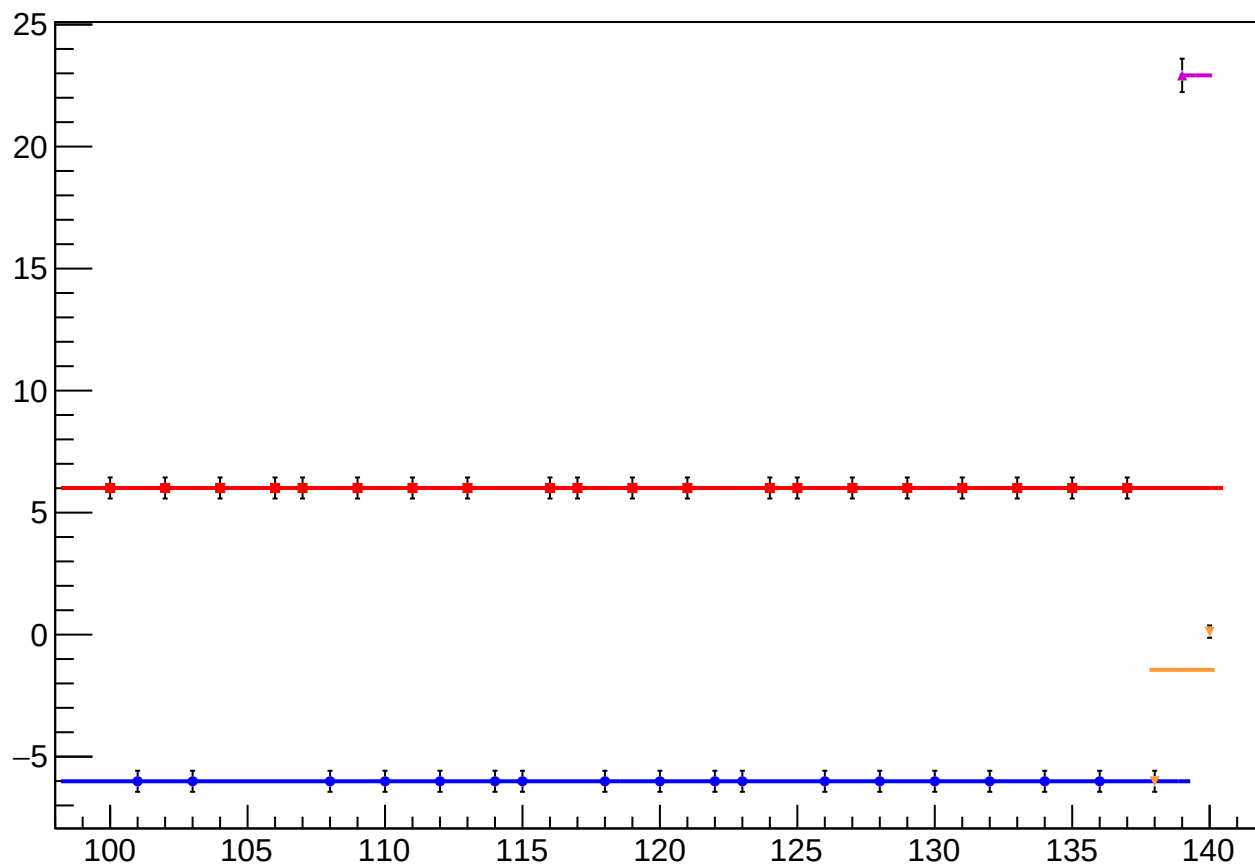
Left In: -6.378 $\pm$ 0.377 χ^2 /NDF: 0.0/0

16.402 $\pm$ 0.095 χ^2 /NDF: 36.5/18

-0.316 $\pm$ 0.066 χ^2 /NDF: 60838.8/39

-15.983 $\pm$ 0.092 χ^2 /NDF: 690.6/20

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.009 ± 0.105 χ^2/NDF : 0.0/16

Left Out: -1.443 ± 0.218 χ^2/NDF : 150.4/1

Right Out: 6.009 ± 0.096 χ^2/NDF : 0.0/19

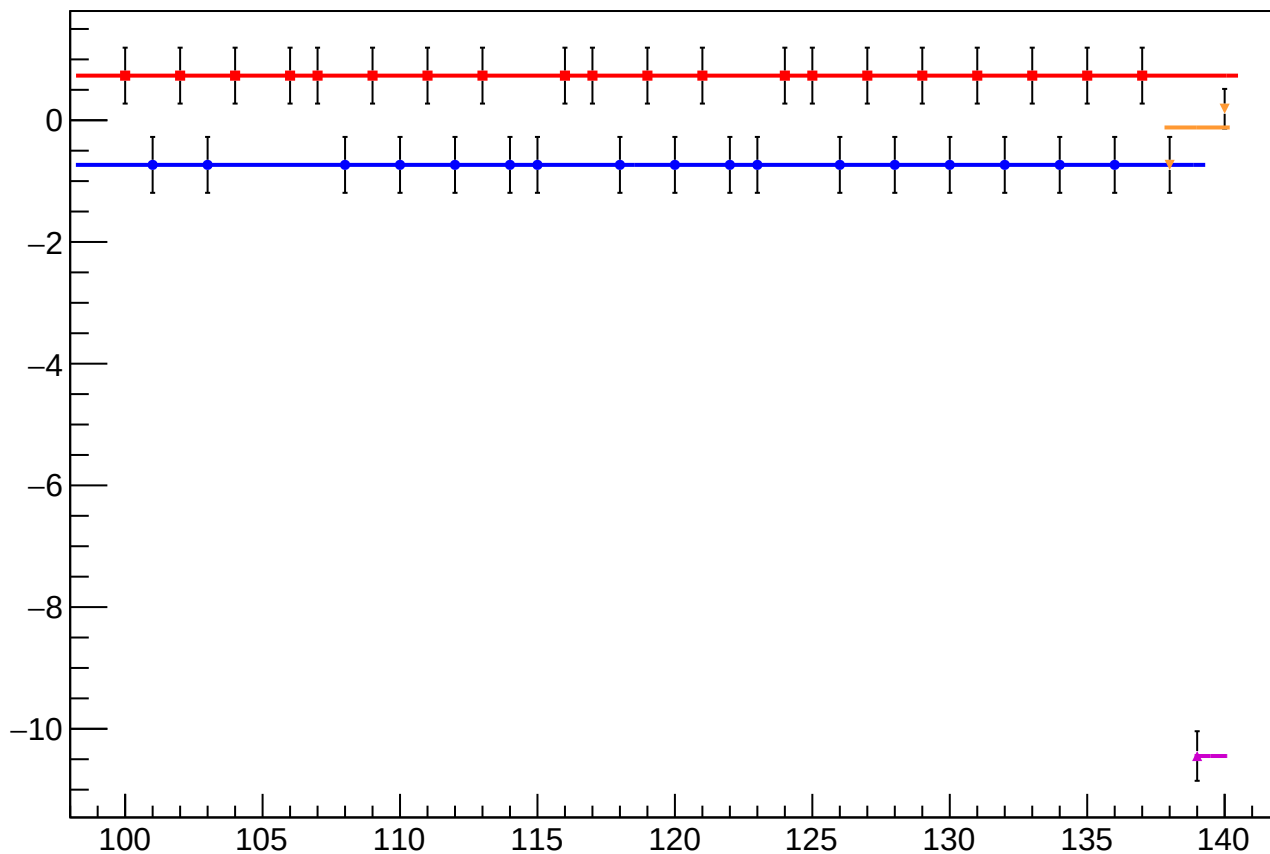
Left In: 22.918 ± 0.684 χ^2/NDF : 0.0/0

-5.155 ± 0.094 χ^2/NDF : 506.6/18

0.520 ± 0.067 χ^2/NDF : 8432.0/39

6.339 ± 0.096 χ^2/NDF : 598.5/20

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.733+/-0.111 χ^2/NDF : 0.0/16

Left Out: -0.119+/-0.265 χ^2/NDF : 2.7/1

Right Out: 0.733+/-0.103 χ^2/NDF : 0.0/19

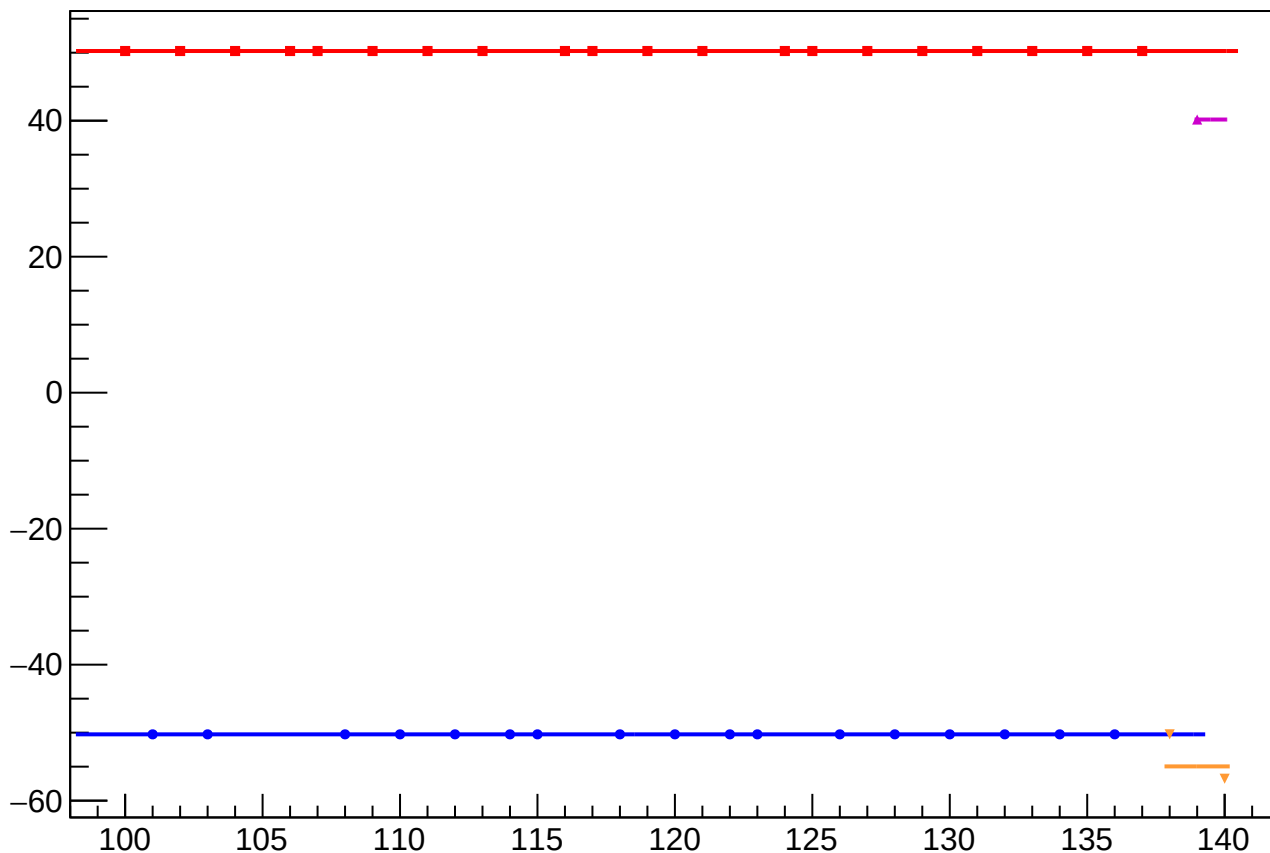
Left In: -10.447+/-0.407 χ^2/NDF : 0.0/0

-0.641+/-0.103 χ^2/NDF : 7.2/18

-0.277+/-0.072 χ^2/NDF : 740.1/39

0.065+/-0.100 χ^2/NDF : 708.5/20

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -50.248 $\pm$ 0.119 χ^2 /NDF: 0.0/16

Left Out: -54.963 $\pm$ 0.259 χ^2 /NDF:127.3/1

Right Out: 50.248 $\pm$ 0.110 χ^2 /NDF: 0.0/19

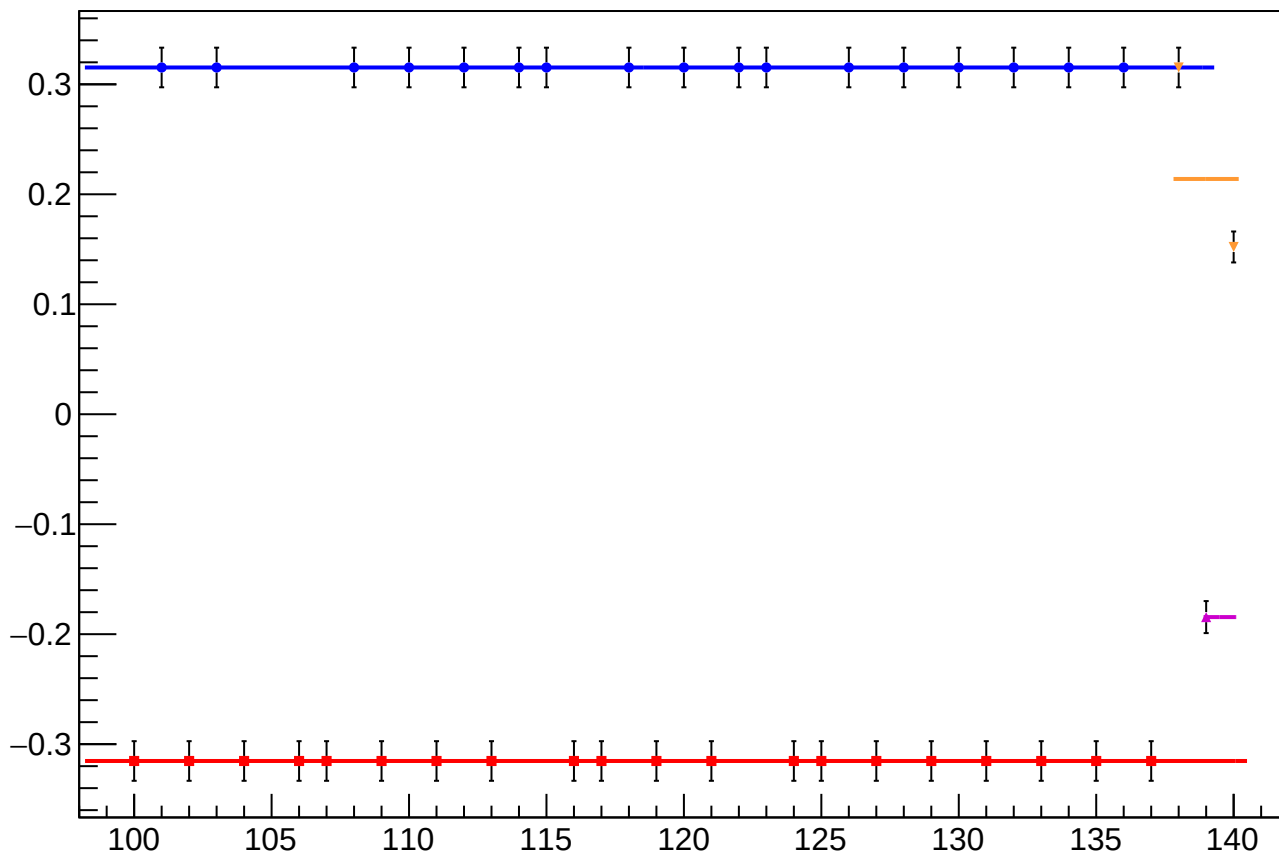
Left In: 40.172 $\pm$ 0.659 χ^2 /NDF:0.0/0

-51.072 $\pm$ 0.108 χ^2 /NDF: 400.6/18

-0.604 $\pm$ 0.077 χ^2 /NDF: 435309.1/39

49.975 $\pm$ 0.108 χ^2 /NDF: 227.2/20

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.315 $\pm$ 0.004 χ^2/NDF : 0.0/16

Left Out: 0.214 $\pm$ 0.011 χ^2/NDF : 51.0/1

Right Out: -0.315 $\pm$ 0.004 χ^2/NDF : 0.0/19

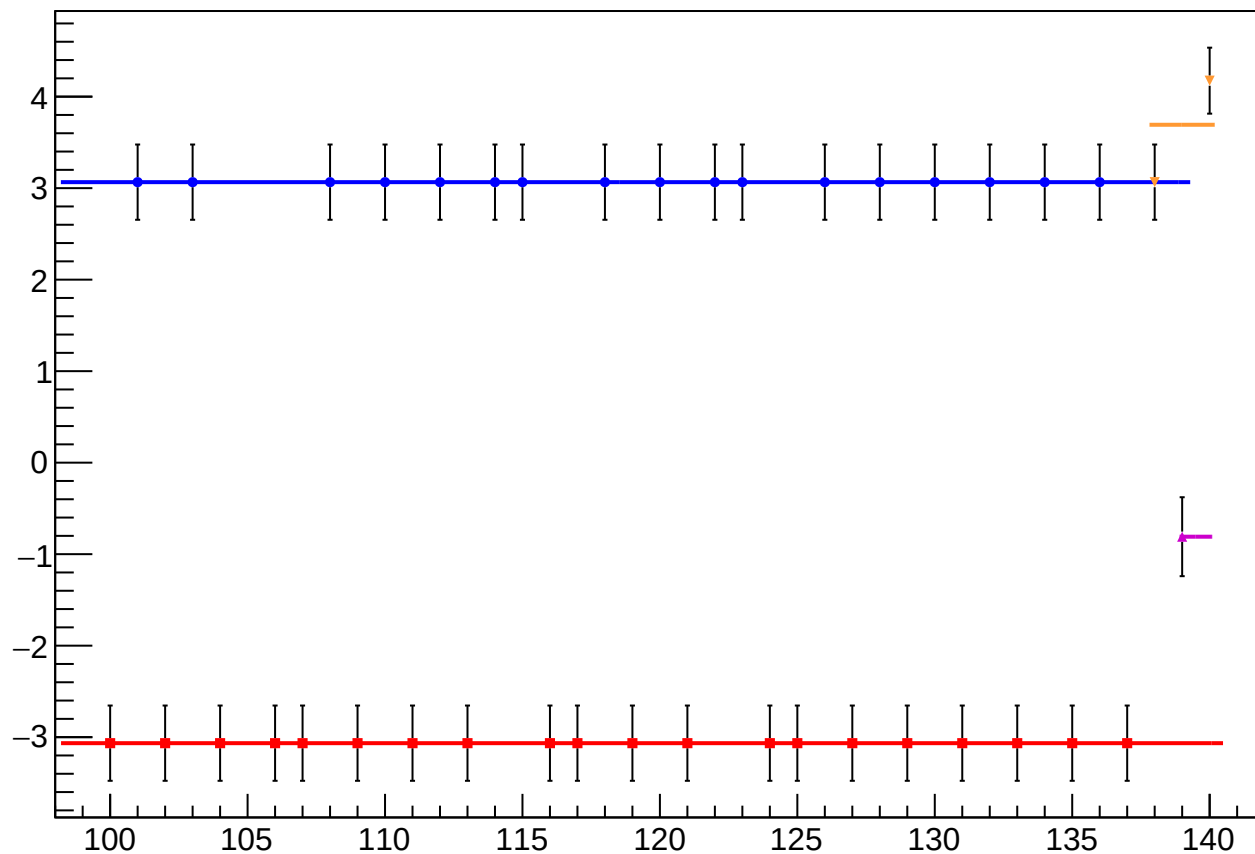
Left In: -0.184 $\pm$ 0.015 χ^2/NDF : 0.0/0

0.302 $\pm$ 0.004 χ^2/NDF : 123.3/18

-0.016 $\pm$ 0.003 χ^2/NDF : 11882.3/39

-0.306 $\pm$ 0.004 χ^2/NDF : 75.0/20

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.066 ± 0.100 χ^2/NDF : 0.0/16

Left Out: 3.693 ± 0.271 χ^2/NDF : 4.1/1

Right Out: -3.066 ± 0.092 χ^2/NDF : 0.0/19

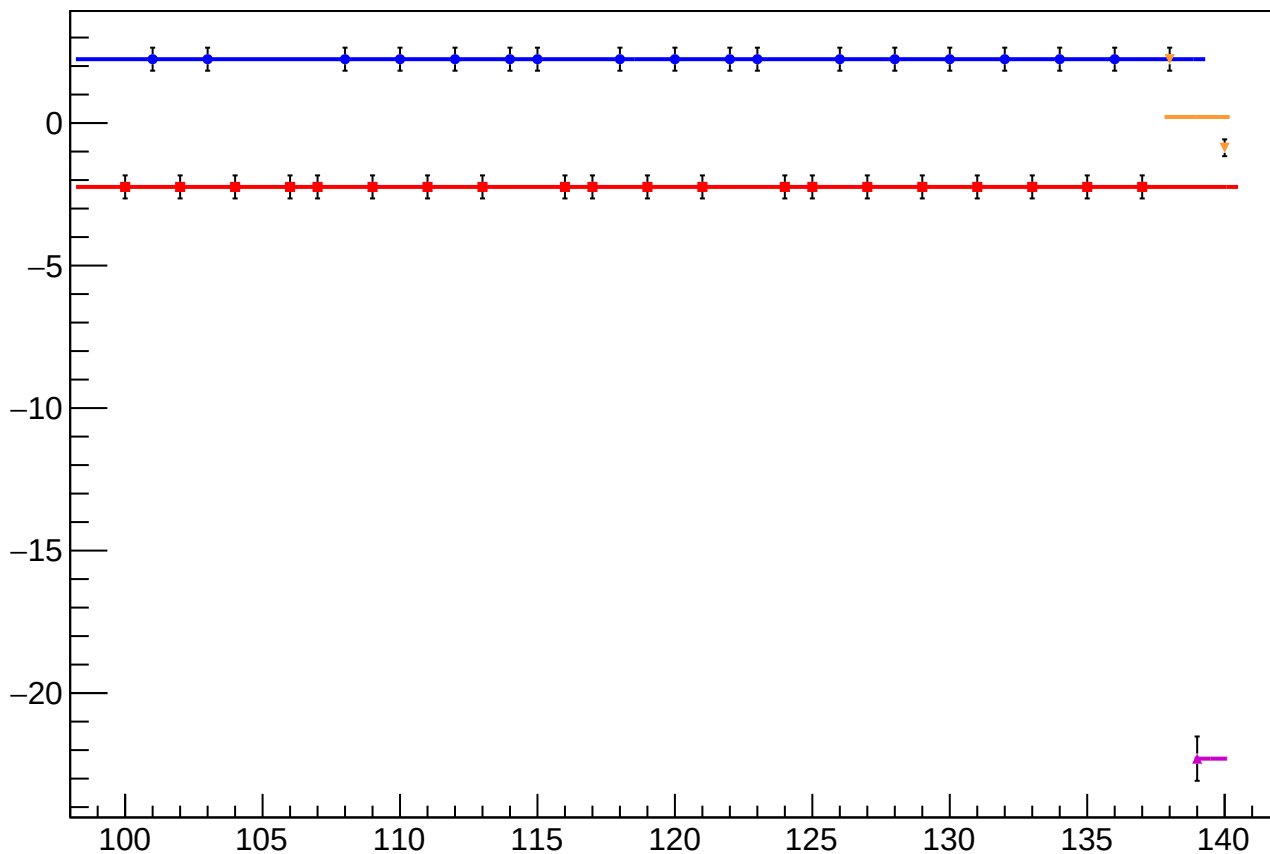
Left In: -0.809 ± 0.431 χ^2/NDF : 0.0/0

3.140 ± 0.094 χ^2/NDF : 8.8/18

-0.036 ± 0.065 χ^2/NDF : 2249.0/39

-2.967 ± 0.090 χ^2/NDF : 26.2/20

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.241 $\pm$ 0.098 χ^2/NDF : 0.0/16

Left Out: 0.214 $\pm$ 0.238 χ^2/NDF : 38.6/1

Right Out: -2.241 $\pm$ 0.090 χ^2/NDF : 0.0/19

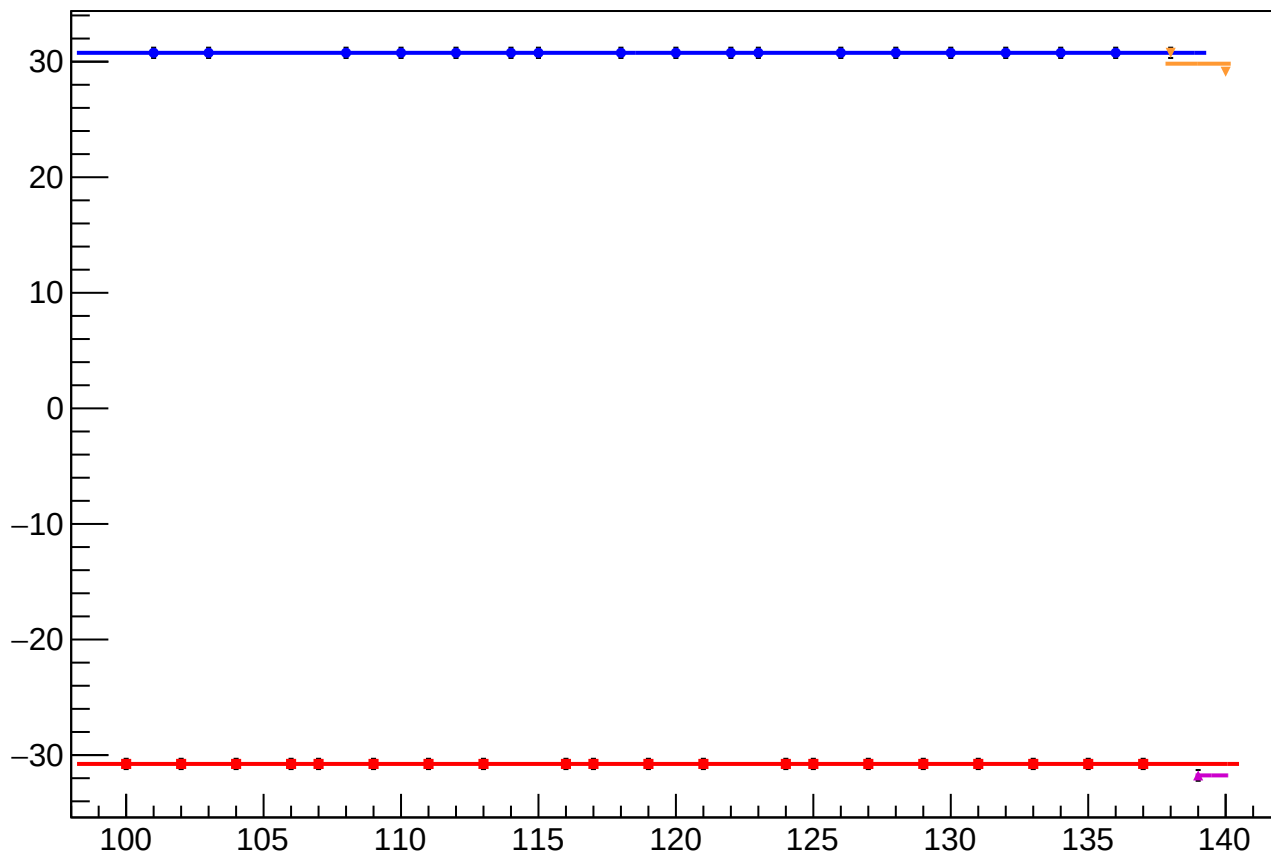
Left In: -22.300 $\pm$ 0.777 χ^2/NDF : 0.0/0

1.947 $\pm$ 0.091 χ^2/NDF : 100.4/18

-0.302 $\pm$ 0.064 χ^2/NDF : 1977.3/39

-2.508 $\pm$ 0.090 χ^2/NDF : 657.3/20

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 30.765±/0.108 χ^2 /NDF: 0.0/16

Left Out: 29.825±/0.291 χ^2 /NDF: 7.7/1

Right Out: -30.765±/0.100 χ^2 /NDF: 0.0/19

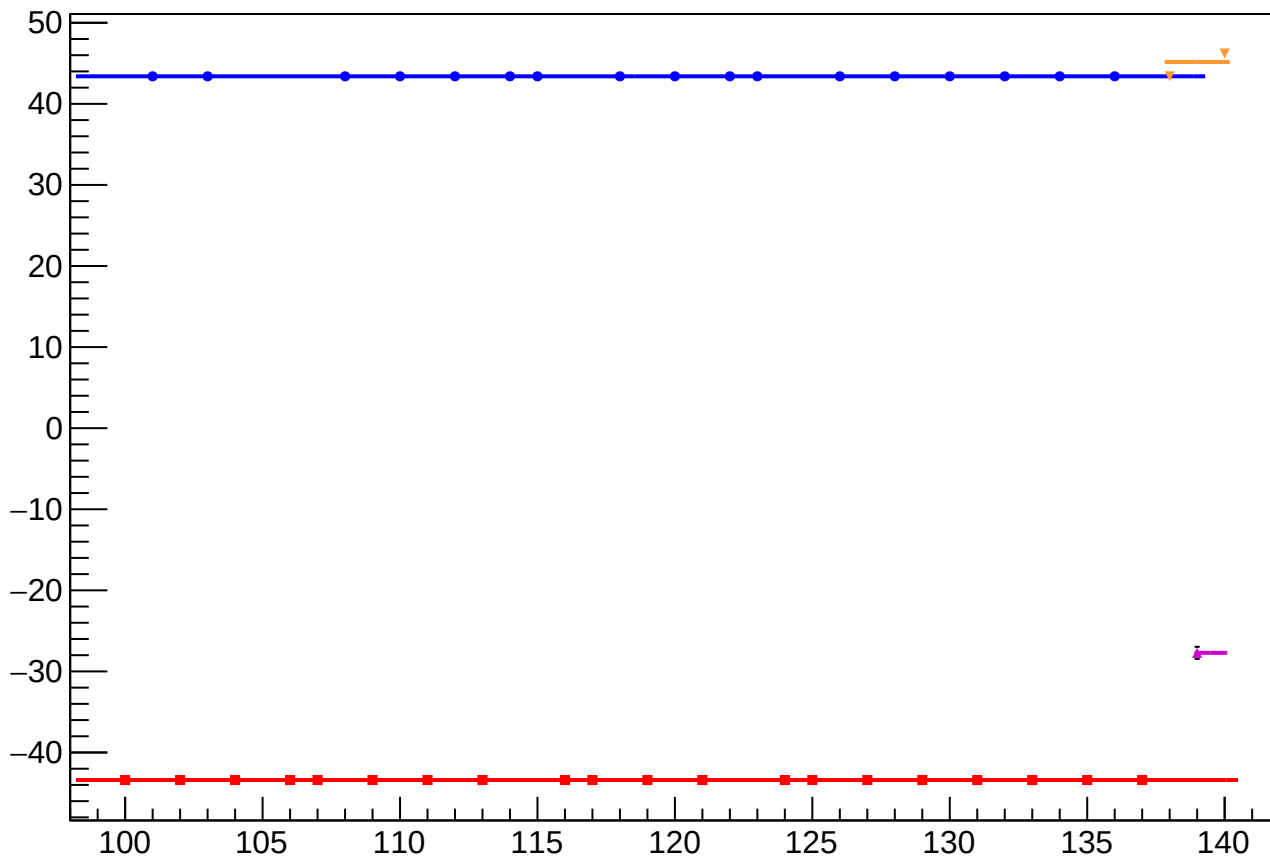
Left In: -31.758±/0.467 χ^2 /NDF: 0.0/0

30.651±/0.101 χ^2 /NDF: 16.9/18

-1.272±/0.070 χ^2 /NDF: 191014.4/39

-30.808±/0.097 χ^2 /NDF: 4.3/20

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.396±/0.113 χ^2 /NDF: 0.0/16

Left Out: 45.161±/0.283 χ^2 /NDF:22.9/1

Right Out: -43.396±/0.104 χ^2 /NDF: 0.0/19

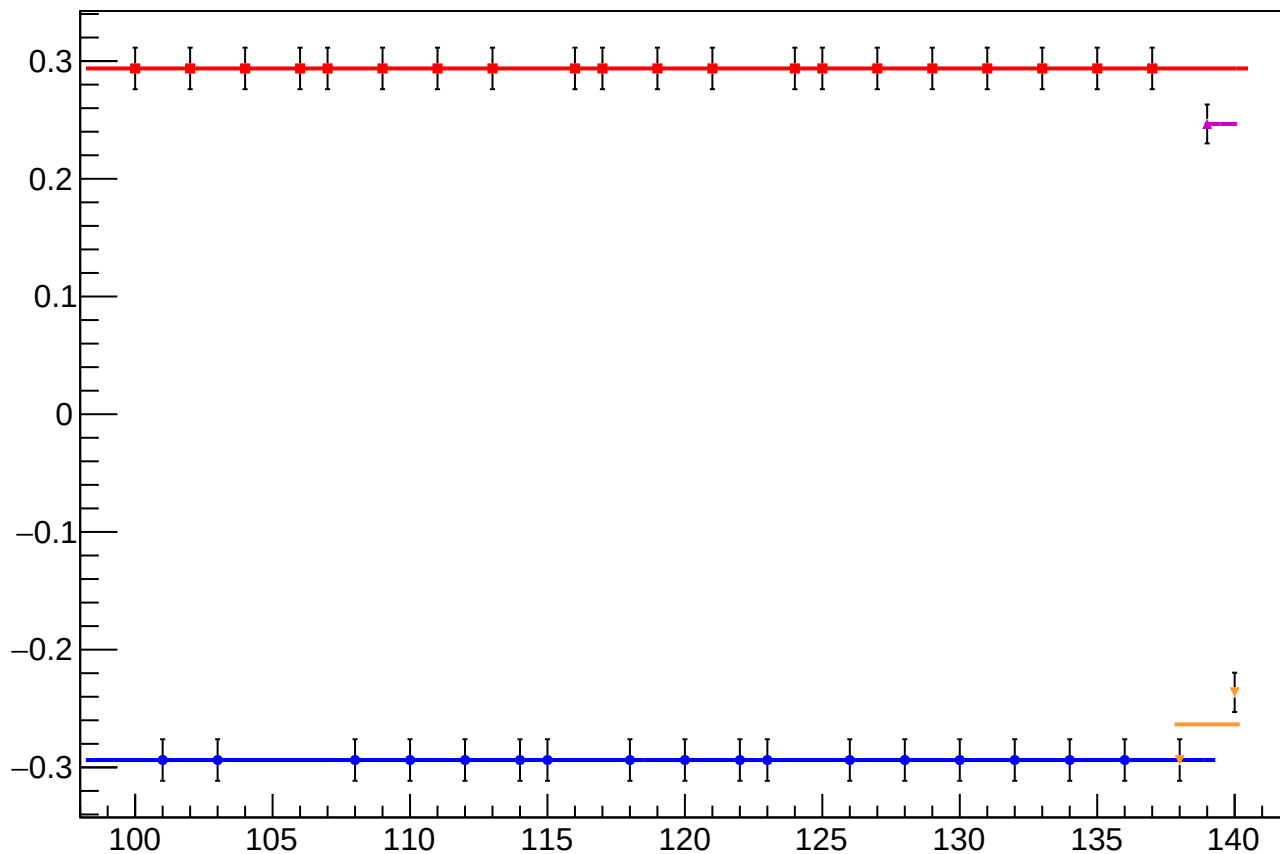
Left In: -27.709±/0.748 χ^2 /NDF:0.0/0

43.638±/0.105 χ^2 /NDF: 56.5/18

-0.478±/0.073 χ^2 /NDF: 349564.0/39

-43.099±/0.103 χ^2 /NDF: 431.2/20

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.294 ± 0.004 χ^2/NDF : 0.0/16

Left Out: -0.263 ± 0.012 χ^2/NDF : 5.6/1

Right Out: 0.294 ± 0.004 χ^2/NDF : 0.0/19

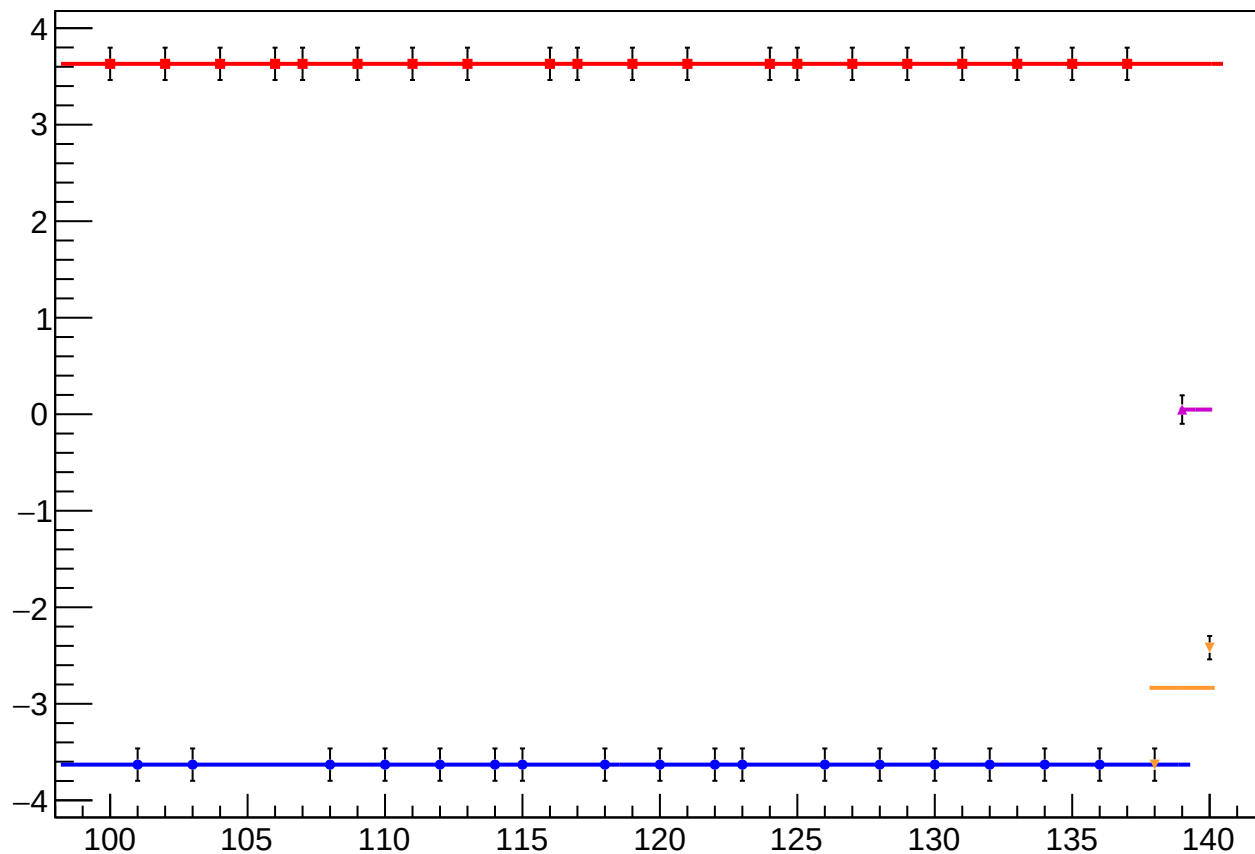
Left In: 0.247 ± 0.017 χ^2/NDF : 0.0/0

-0.290 ± 0.004 χ^2/NDF : 11.2/18

0.015 ± 0.003 χ^2/NDF : 10924.3/39

0.291 ± 0.004 χ^2/NDF : 7.7/20

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.630 ± 0.041 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -2.835 ± 0.098 $\chi^2/\text{NDF}: 34.4/1$

Right Out: 3.630 ± 0.037 $\chi^2/\text{NDF}: 0.0/19$

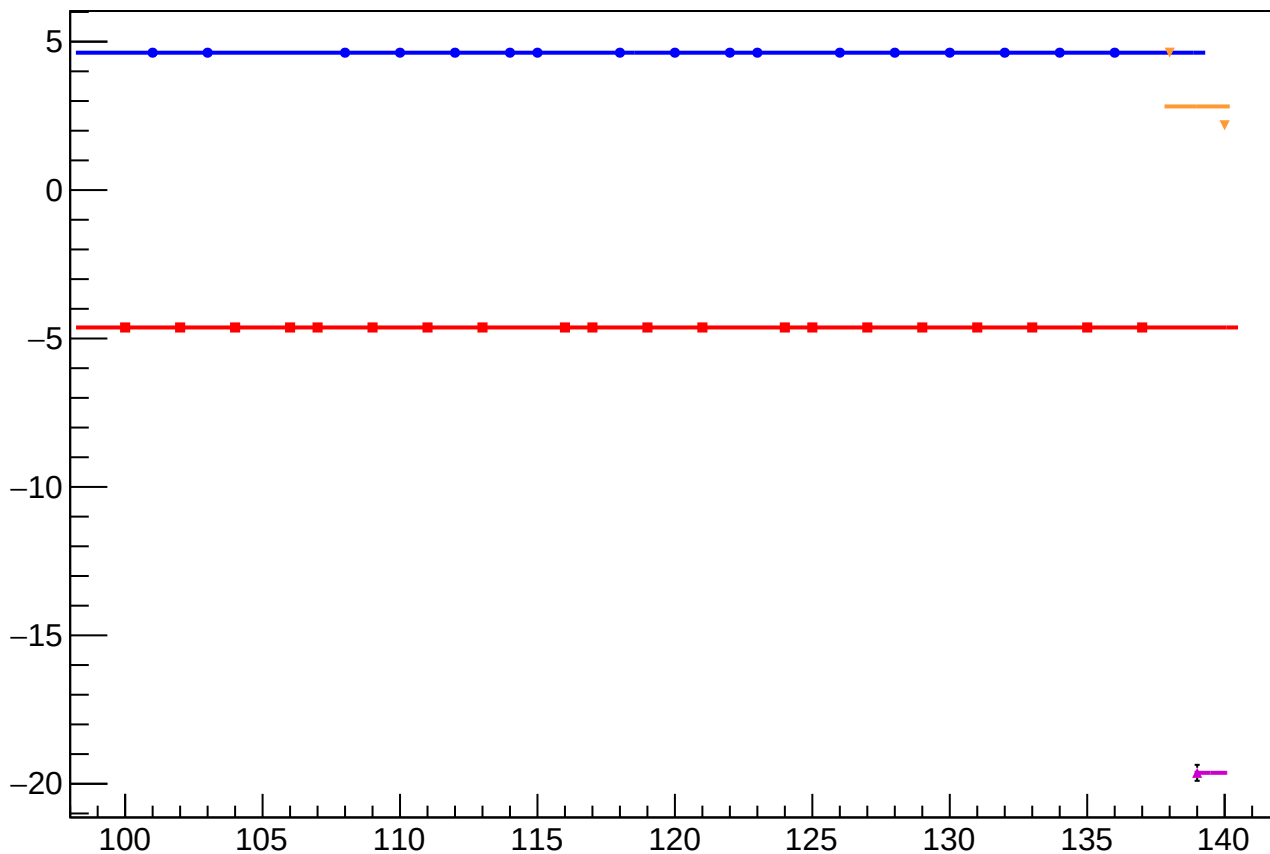
Left In: 0.048 ± 0.148 $\chi^2/\text{NDF}: 0.0/0$

-3.514 ± 0.038 $\chi^2/\text{NDF}: 90.5/18$

0.065 ± 0.026 $\chi^2/\text{NDF}: 18236.0/39$

3.413 ± 0.036 $\chi^2/\text{NDF}: 553.5/20$

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.628 ± 0.041 χ^2/NDF : 0.0/16

Left Out: 2.817 ± 0.086 χ^2/NDF : 154.8/1

Right Out: -4.628 ± 0.038 χ^2/NDF : 0.0/19

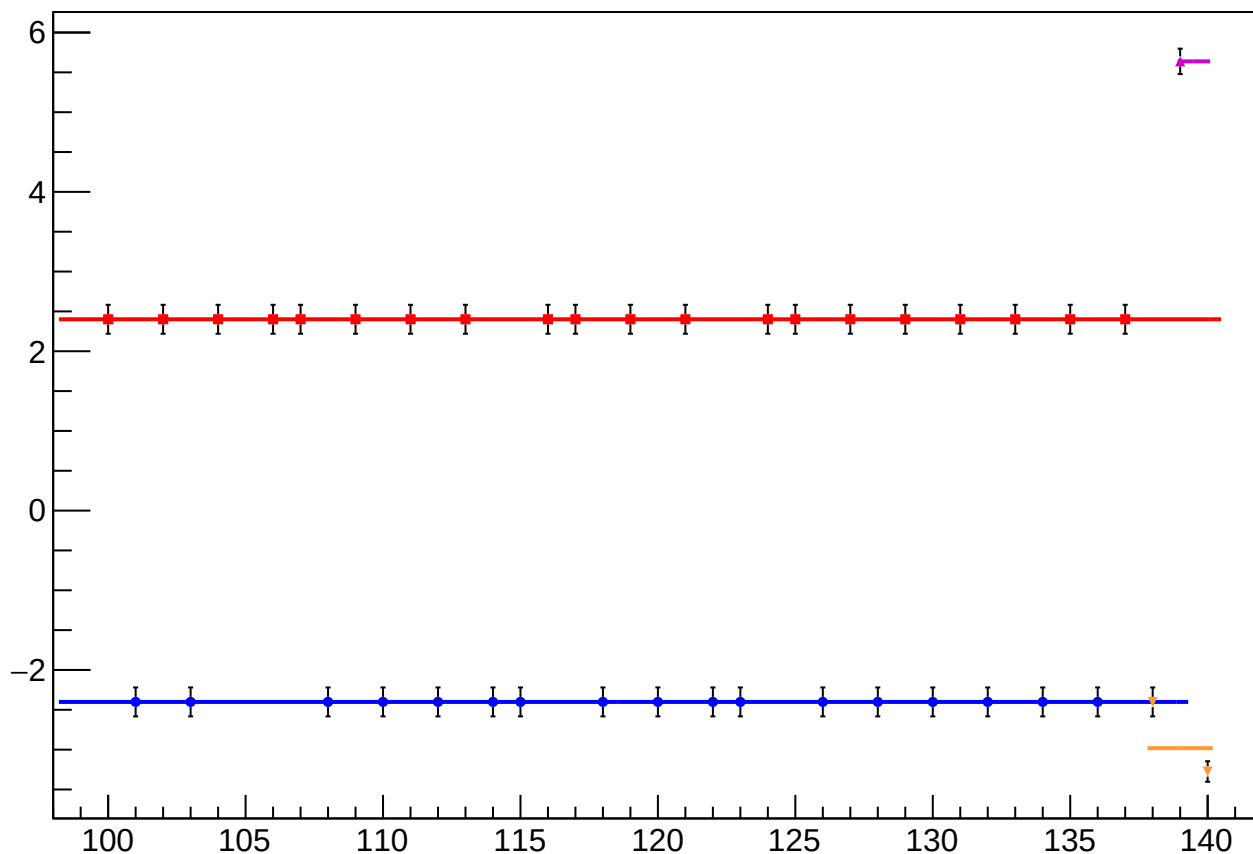
Left In: -19.630 ± 0.269 χ^2/NDF : 0.0/0

4.294 ± 0.037 χ^2/NDF : 514.6/18

-0.262 ± 0.026 χ^2/NDF : 34152.1/39

-4.919 ± 0.037 χ^2/NDF : 3049.9/20

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.401 $\pm$ 0.044 χ^2 /NDF: 0.0/16

Left Out: -2.982 $\pm$ 0.105 χ^2 /NDF: 15.4/1

Right Out: 2.401 $\pm$ 0.041 χ^2 /NDF: 0.0/19

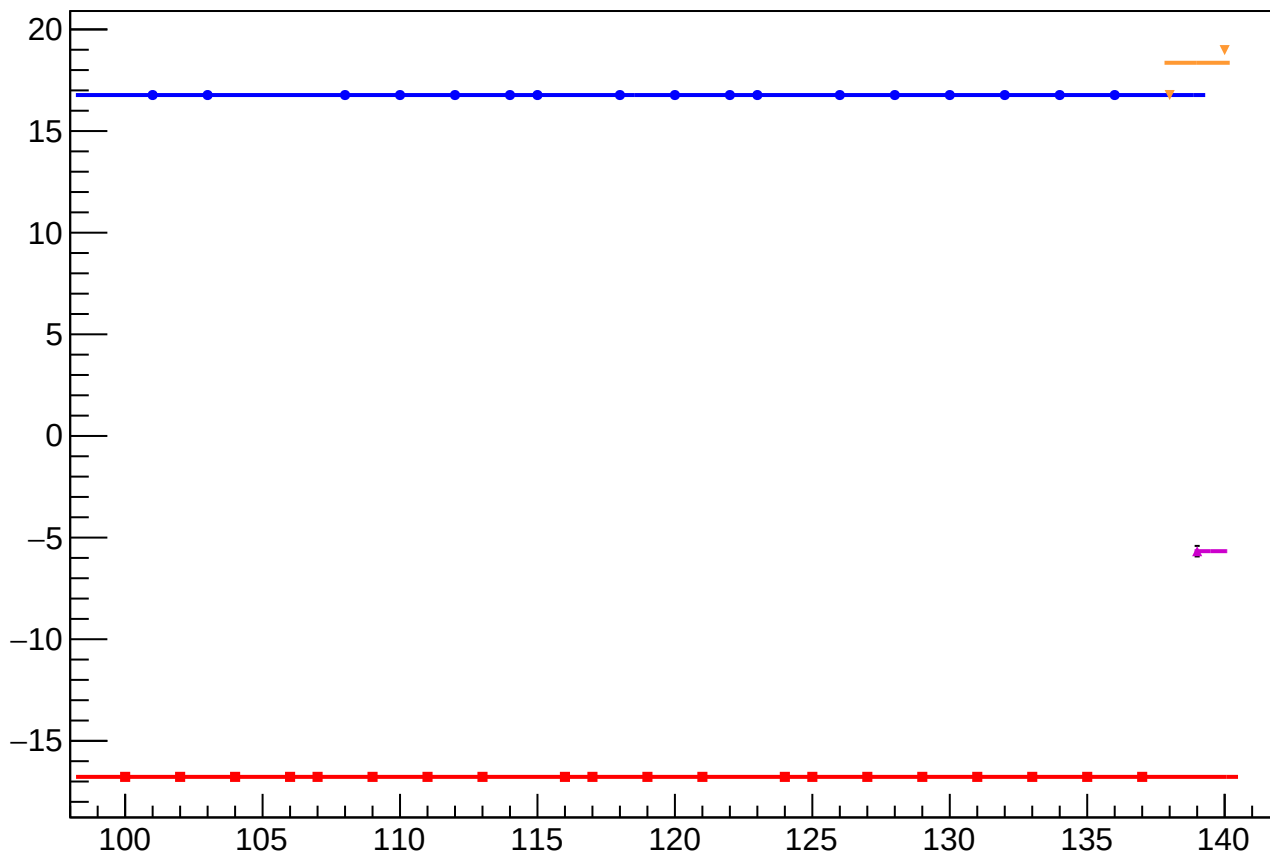
Left In: 5.638 $\pm$ 0.159 χ^2 /NDF: 0.0/0

-2.488 $\pm$ 0.041 χ^2 /NDF: 41.3/18

0.137 $\pm$ 0.028 χ^2 /NDF: 8513.1/39

2.599 $\pm$ 0.039 χ^2 /NDF: 387.3/20

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.771 ± 0.047 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 18.359 ± 0.102 $\chi^2/\text{NDF}: 94.0/1$

Right Out: -16.771 ± 0.043 $\chi^2/\text{NDF}: 0.0/19$

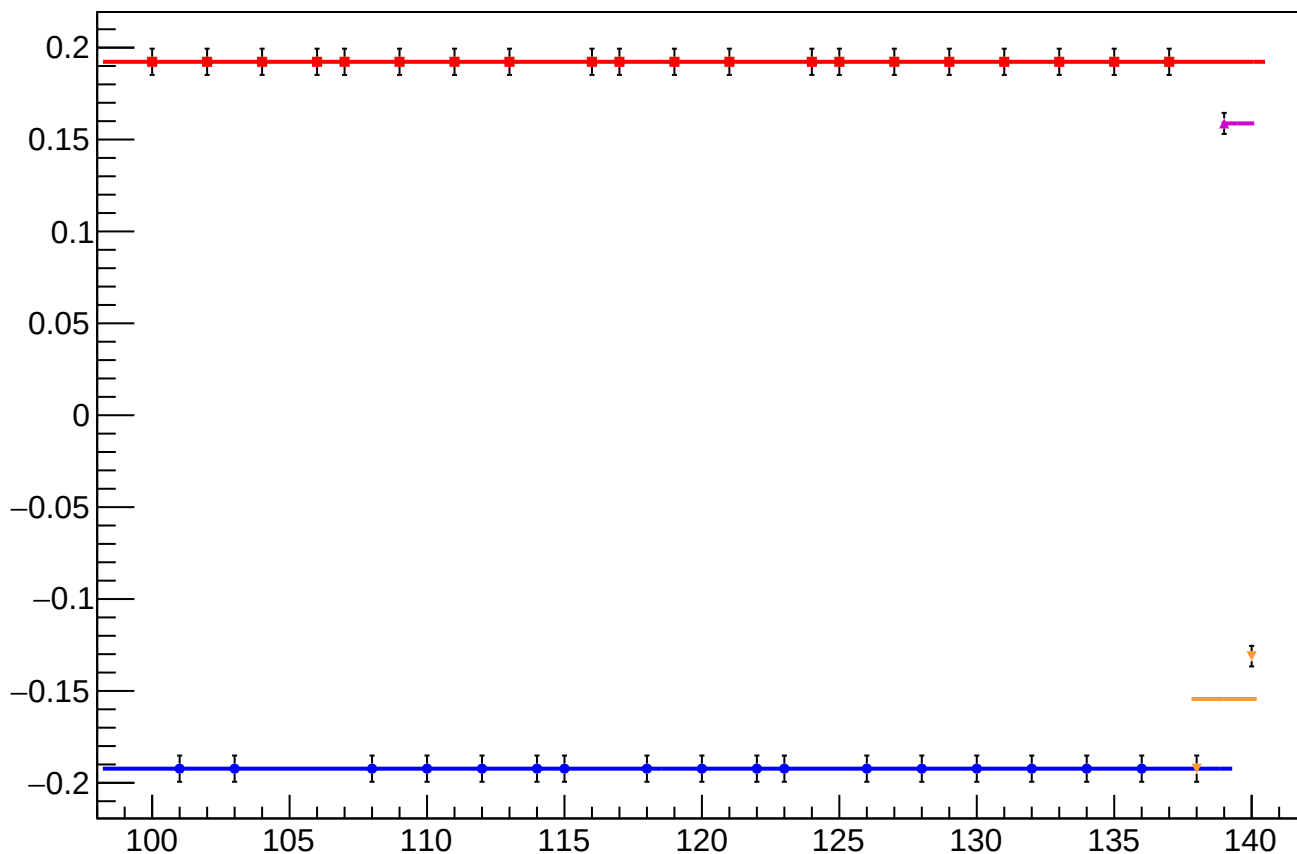
Left In: -5.668 ± 0.259 $\chi^2/\text{NDF}: 0.0/0$

17.046 ± 0.043 $\chi^2/\text{NDF}: 292.6/18$

0.286 ± 0.030 $\chi^2/\text{NDF}: 311603.3/39$

-16.472 ± 0.043 $\chi^2/\text{NDF}: 1784.2/20$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.192 ± 0.002 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -0.154 ± 0.004 $\chi^2/\text{NDF}: 45.5/1$

Right Out: 0.192 ± 0.002 $\chi^2/\text{NDF}: 0.0/19$

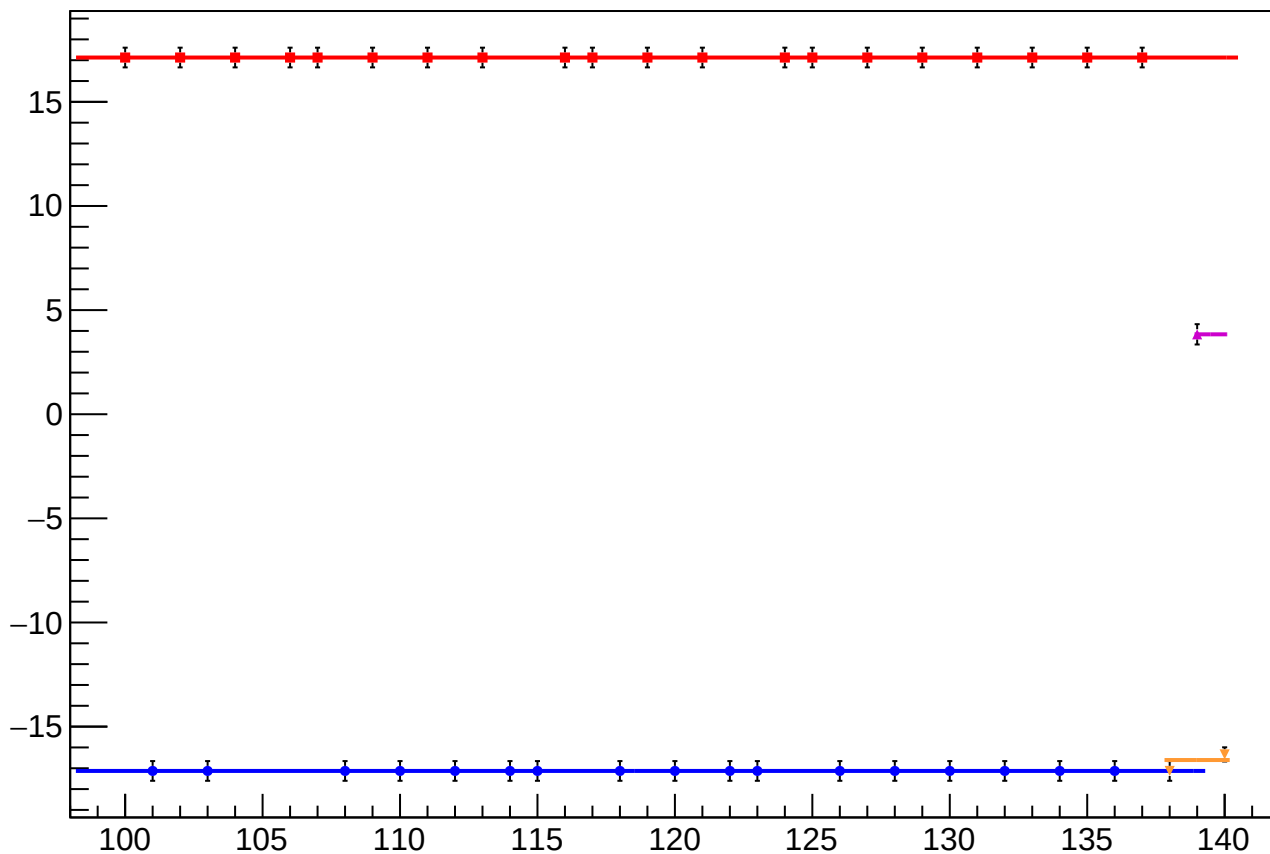
Left In: 0.159 ± 0.006 $\chi^2/\text{NDF}: 0.0/0$

-0.187 ± 0.002 $\chi^2/\text{NDF}: 109.7/18$

0.010 ± 0.001 $\chi^2/\text{NDF}: 28772.0/39$

0.190 ± 0.002 $\chi^2/\text{NDF}: 31.8/20$

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -17.128 ± 0.115 χ^2/NDF : 0.0/16

Left Out: -16.605 ± 0.276 χ^2/NDF : 1.9/1

Right Out: 17.128 ± 0.106 χ^2/NDF : 0.0/19

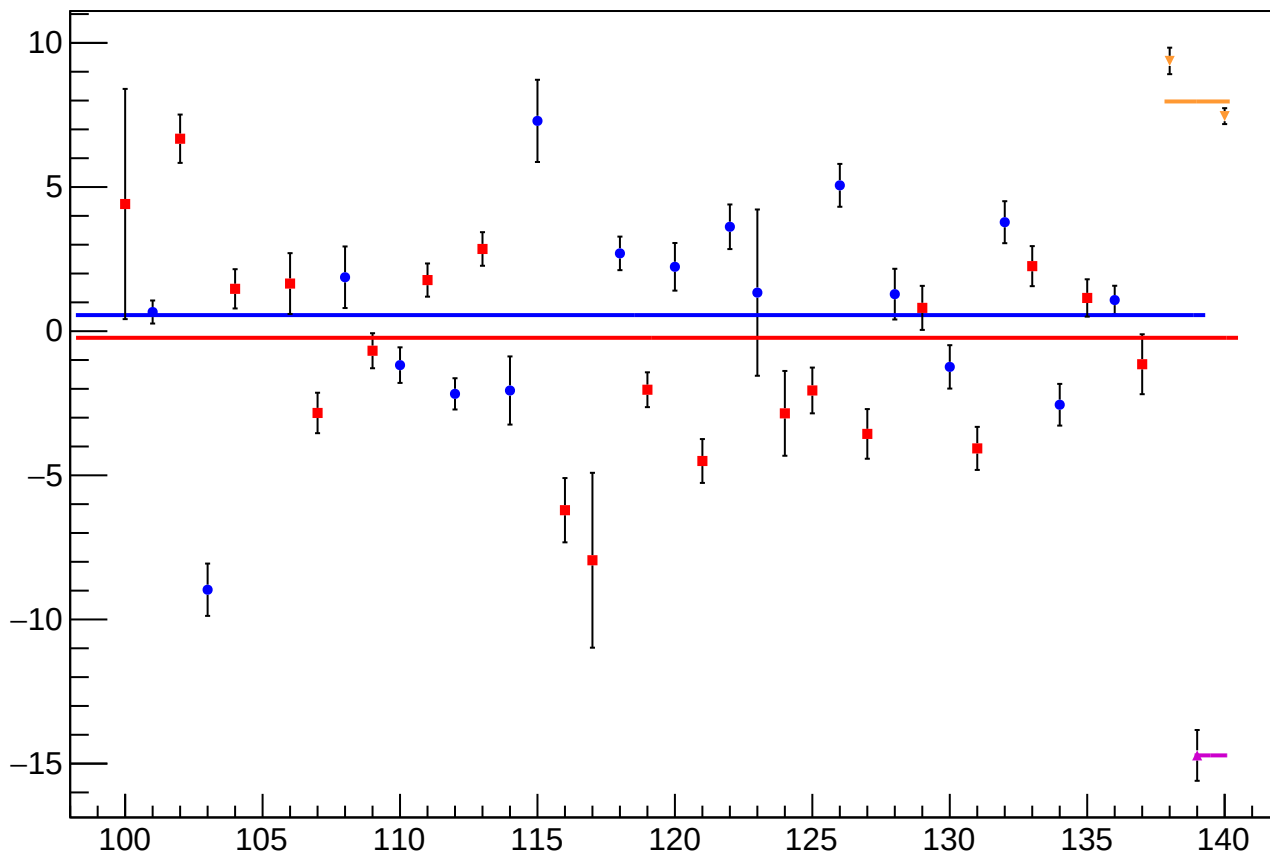
Left In: 3.837 ± 0.488 χ^2/NDF : 0.0/0

-17.051 ± 0.106 χ^2/NDF : 4.9/18

0.152 ± 0.074 χ^2/NDF : 52097.5/39

16.530 ± 0.103 χ^2/NDF : 709.4/20

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 7.968 ± 0.237 χ^2/NDF : 12.8/1

Right Out: -0.230 ± 0.174 χ^2/NDF : 278.5/19

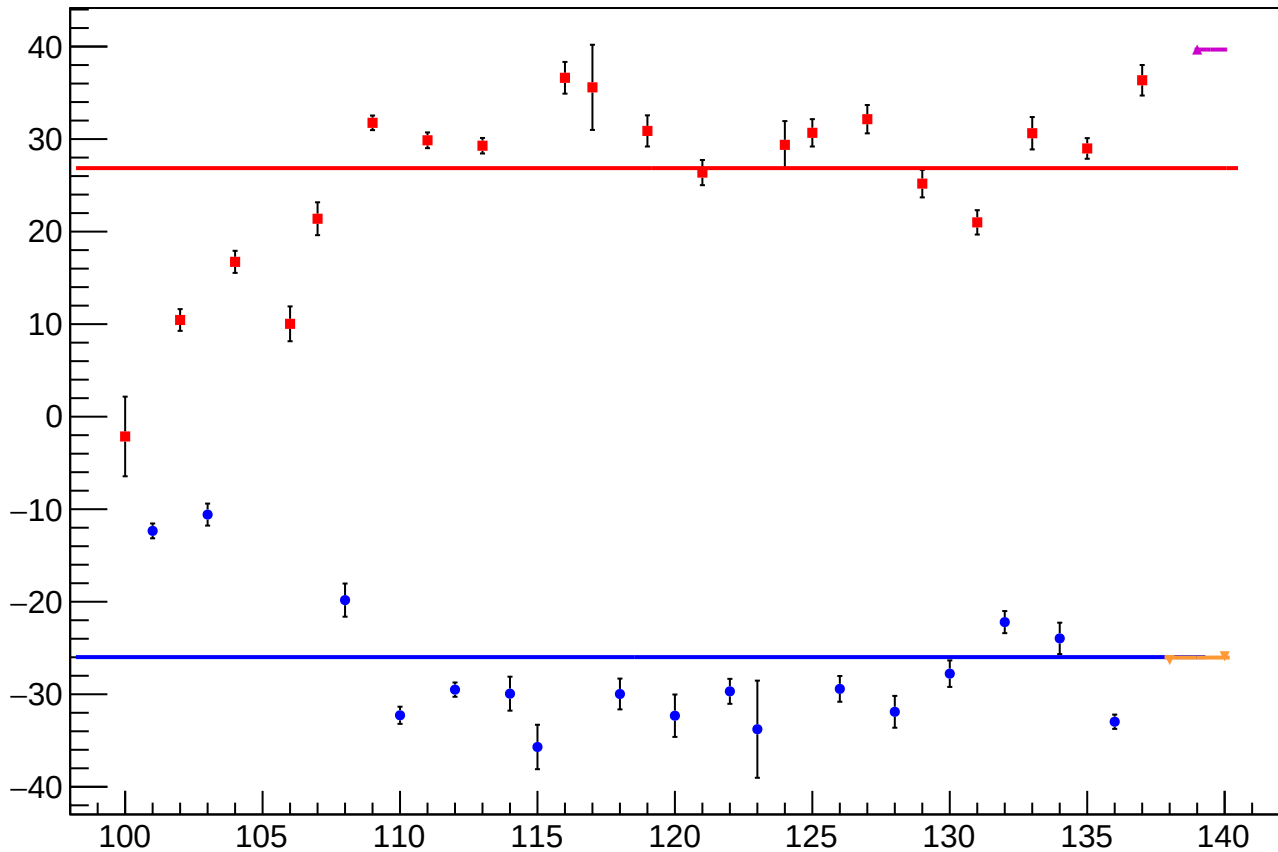
Left In: -14.715 ± 0.881 χ^2/NDF : 0.0/0

3.082 ± 0.138 χ^2/NDF : 946.7/18

1.559 ± 0.107 χ^2/NDF : 1793.2/39

-0.775 ± 0.171 χ^2/NDF : 538.6/20

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: -26.033 ± 0.296 χ^2/NDF : 0.4/1

Right Out: 26.861 ± 0.297 χ^2/NDF : 585.2/19

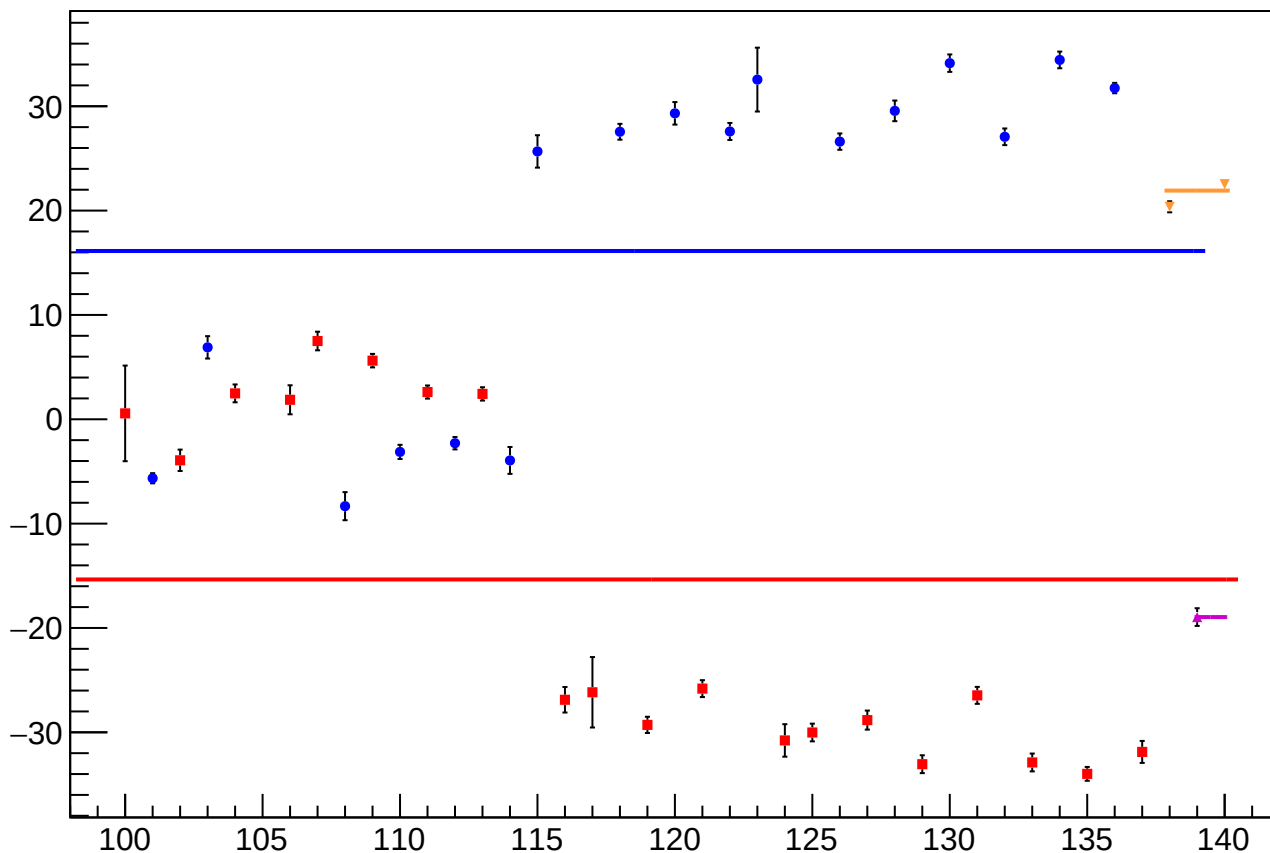
Left In: 39.675 ± 0.528 χ^2/NDF : 0.0/0

-26.009 ± 0.211 χ^2/NDF : 691.9/18

-3.695 ± 0.163 χ^2/NDF : 29819.0/39

29.944 ± 0.259 χ^2/NDF : 1032.9/20

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: 21.917+/-0.283 χ^2 /NDF:12.0/1

Right Out: -15.352+/-0.197 χ^2 /NDF: 7288.4/19

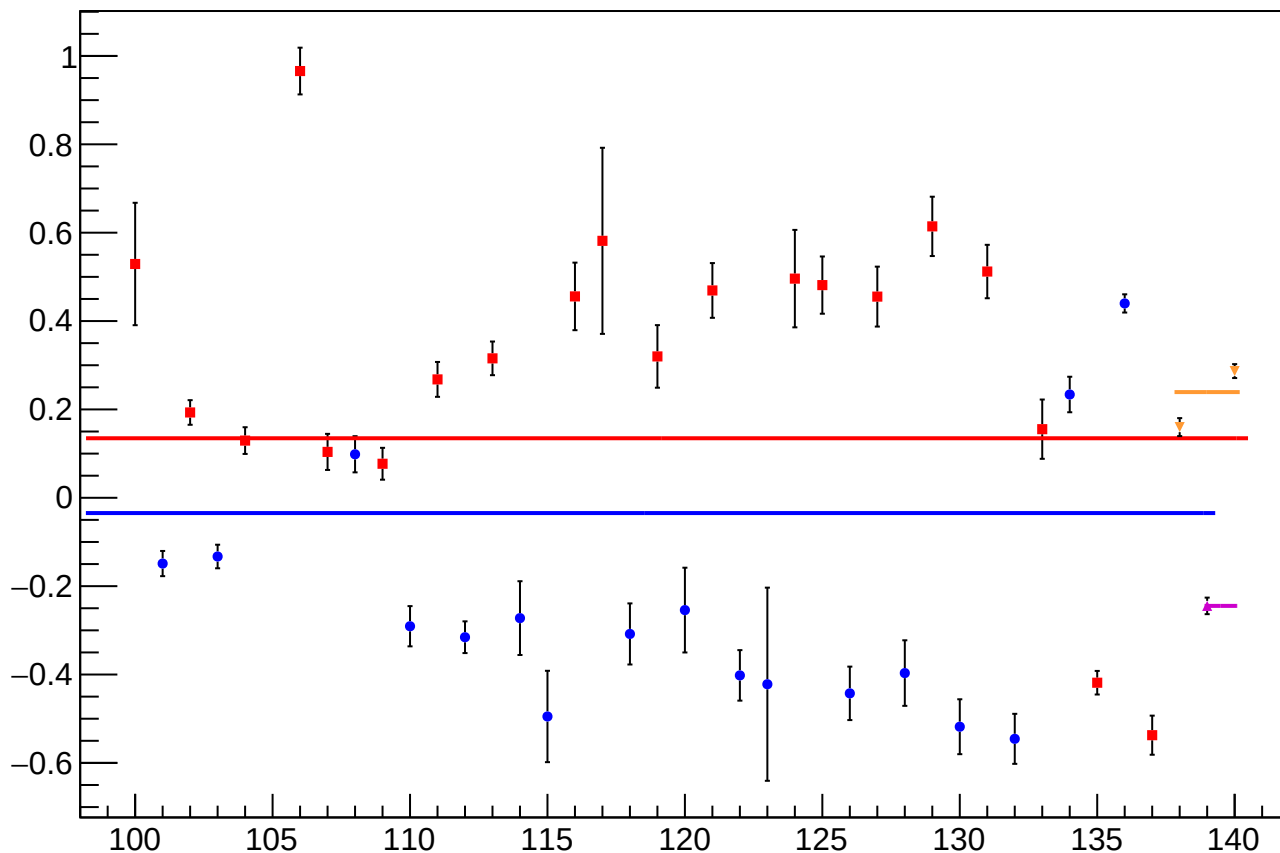
Left In: -18.956+/-0.849 χ^2 /NDF:0.0/0

17.958+/-0.159 χ^2 /NDF: 7871.5/18

4.315+/-0.122 χ^2 /NDF: 33285.9/39

-15.535+/-0.192 χ^2 /NDF: 7305.5/20

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035+/-0.010 χ^2/NDF : 1011.6/16

Left Out: 0.239+/-0.012 χ^2/NDF :24.3/1

Right Out: 0.135+/-0.010 χ^2/NDF : 1166.4/19

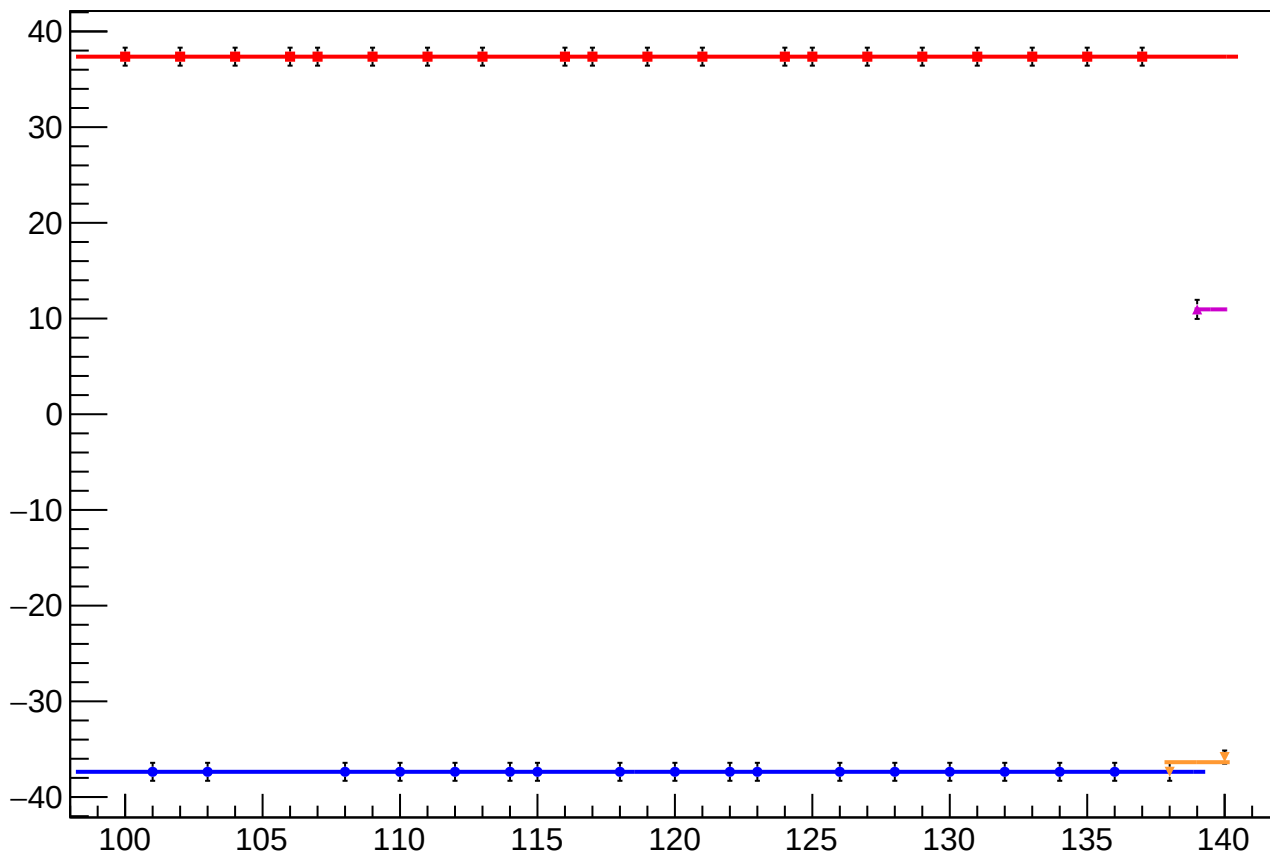
Left In: -0.245+/-0.019 χ^2/NDF :0.0/0

0.077+/-0.008 χ^2/NDF : 1322.3/18

0.063+/-0.006 χ^2/NDF : 2809.8/39

0.046+/-0.009 χ^2/NDF : 1480.7/20

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -37.364 ± 0.228 χ^2/NDF : 0.0/16

Left Out: -36.358 ± 0.553 χ^2/NDF : 1.8/1

Right Out: 37.364 ± 0.210 χ^2/NDF : 0.0/19

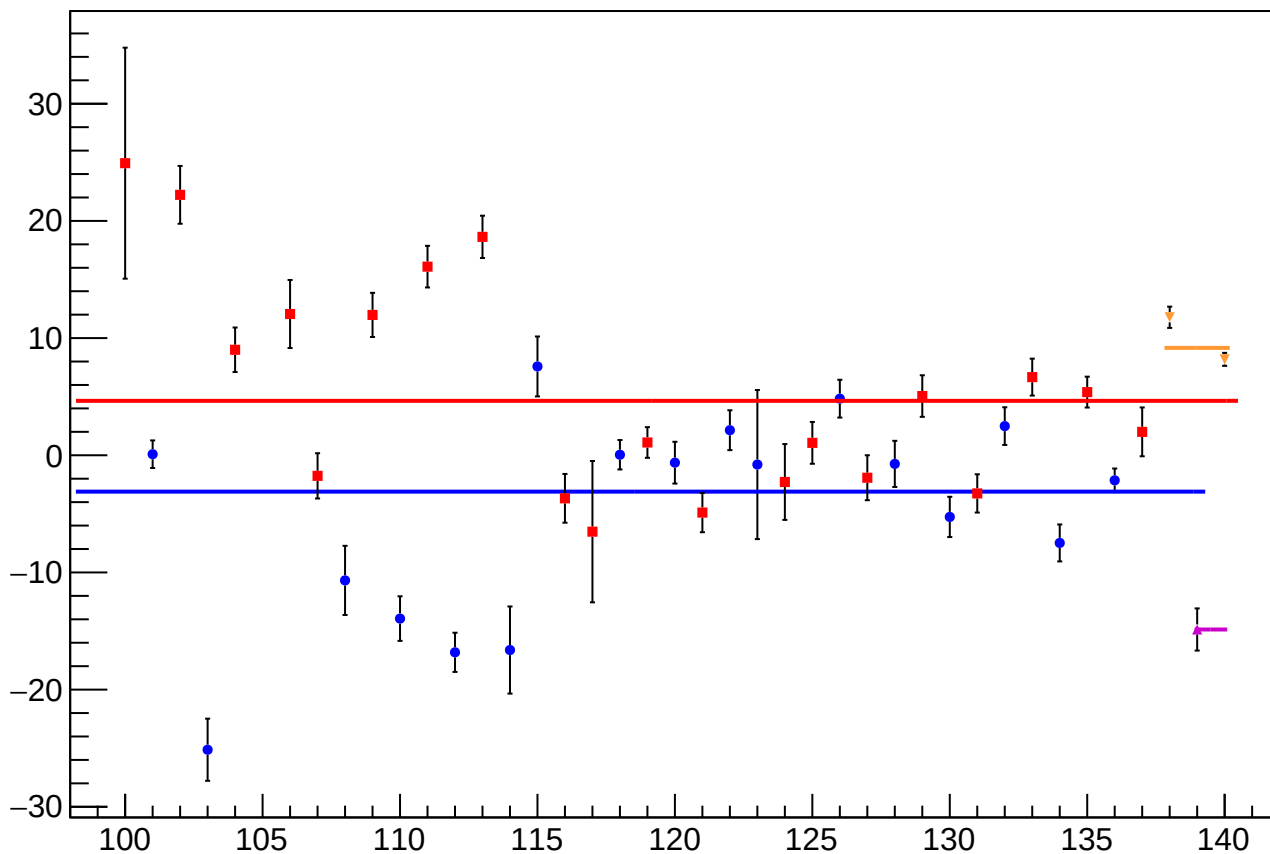
Left In: 10.957 ± 0.998 χ^2/NDF : 0.0/0

-37.219 ± 0.211 χ^2/NDF : 4.6/18

0.419 ± 0.147 χ^2/NDF : 62988.7/39

36.245 ± 0.206 χ^2/NDF : 670.4/20

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: 9.164 ± 0.473 χ^2/NDF : 11.4/1

Right Out: 4.645 ± 0.425 χ^2/NDF : 301.1/19

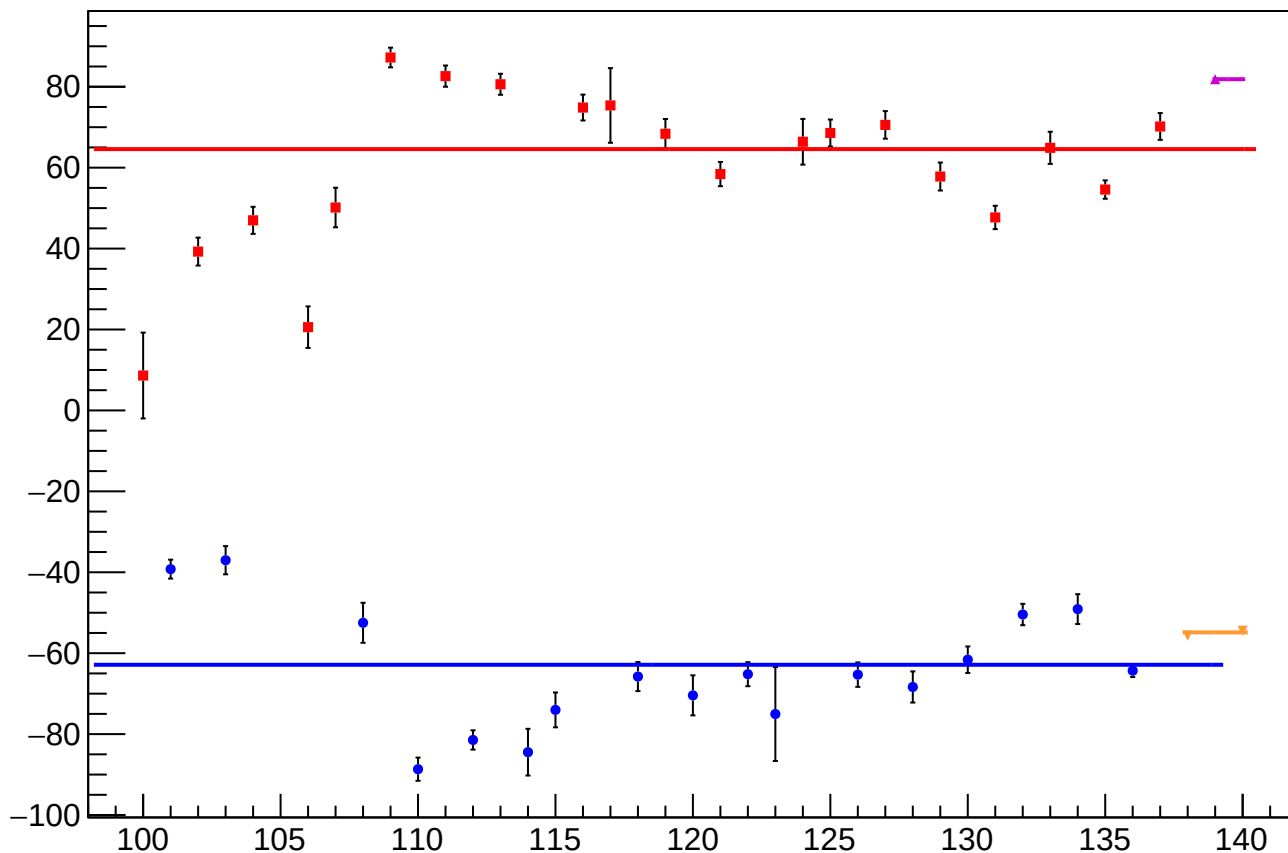
Left In: -14.869 ± 1.800 χ^2/NDF : 0.0/0

2.169 ± 0.310 χ^2/NDF : 673.4/18

2.688 ± 0.248 χ^2/NDF : 1093.5/39

3.613 ± 0.414 χ^2/NDF : 412.4/20

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 $\pm$ 0.741 χ^2 /NDF: 368.7/16

Left Out: -54.864 $\pm$ 0.593 χ^2 /NDF: 0.9/1

Right Out: 64.588 $\pm$ 0.749 χ^2 /NDF: 445.6/19

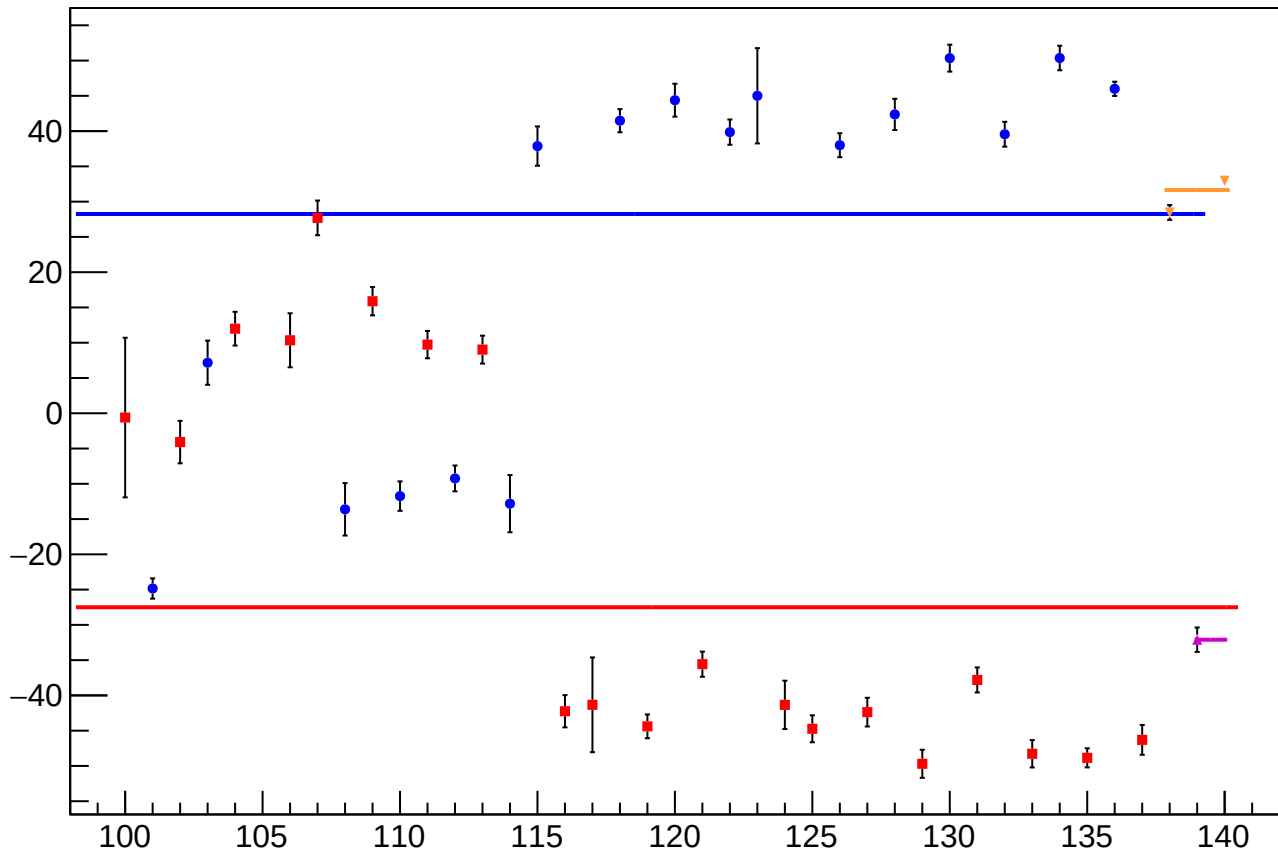
Left In: 81.864 $\pm$ 1.080 χ^2 /NDF: 0.0/0

-57.987 $\pm$ 0.463 χ^2 /NDF: 440.7/18

-11.707 $\pm$ 0.370 χ^2 /NDF: 28754.1/39

70.200 $\pm$ 0.616 χ^2 /NDF: 618.3/20

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: 31.657+/-0.565 χ^2/NDF : 13.1/1

Right Out: -27.505+/-0.478 χ^2/NDF : 3036.7/19

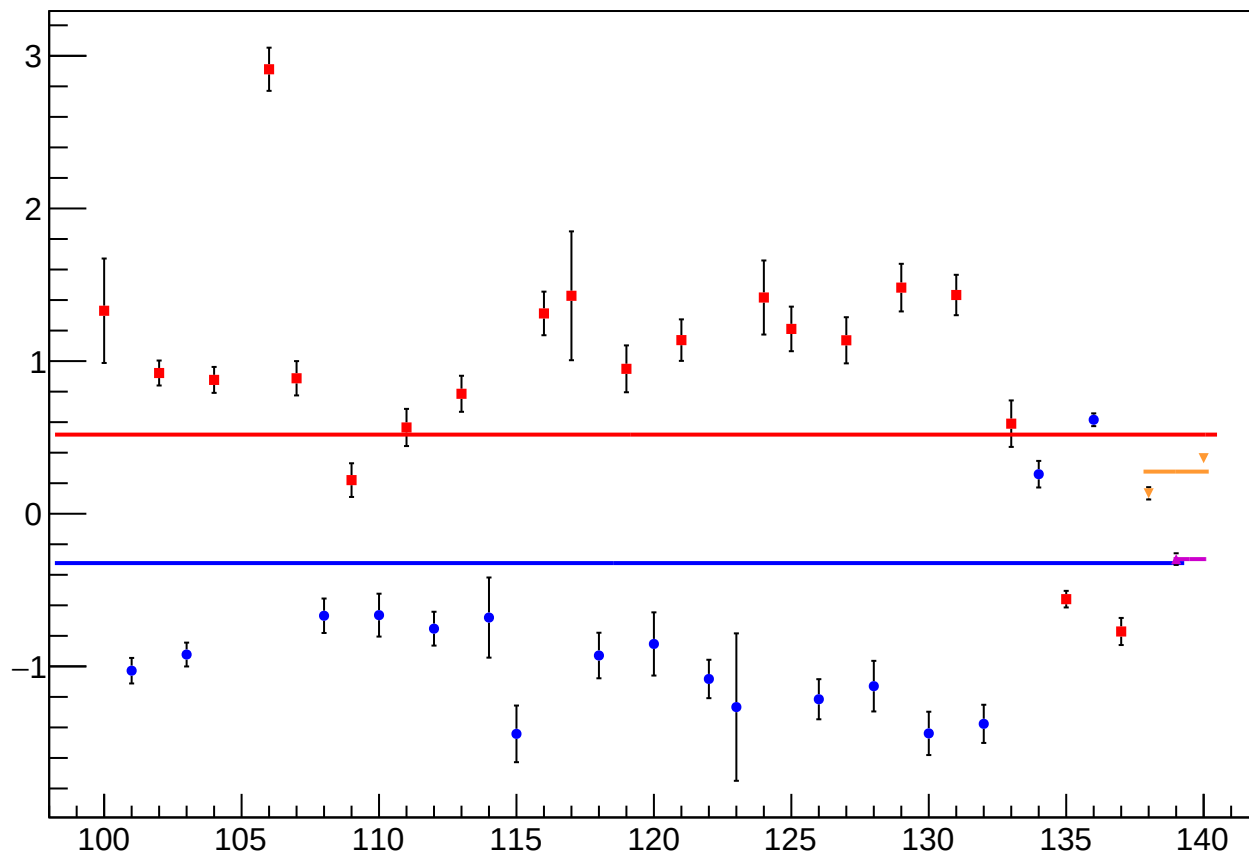
Left In: -32.105+/-1.733 χ^2/NDF : 0.0/0

29.607+/-0.357 χ^2/NDF : 3354.5/18

8.049+/-0.282 χ^2/NDF : 16119.3/39

-27.830+/-0.460 χ^2/NDF : 3043.2/20

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.276 ± 0.025 χ^2/NDF : 20.1/1

Right Out: 0.518 ± 0.026 χ^2/NDF : 1165.5/19

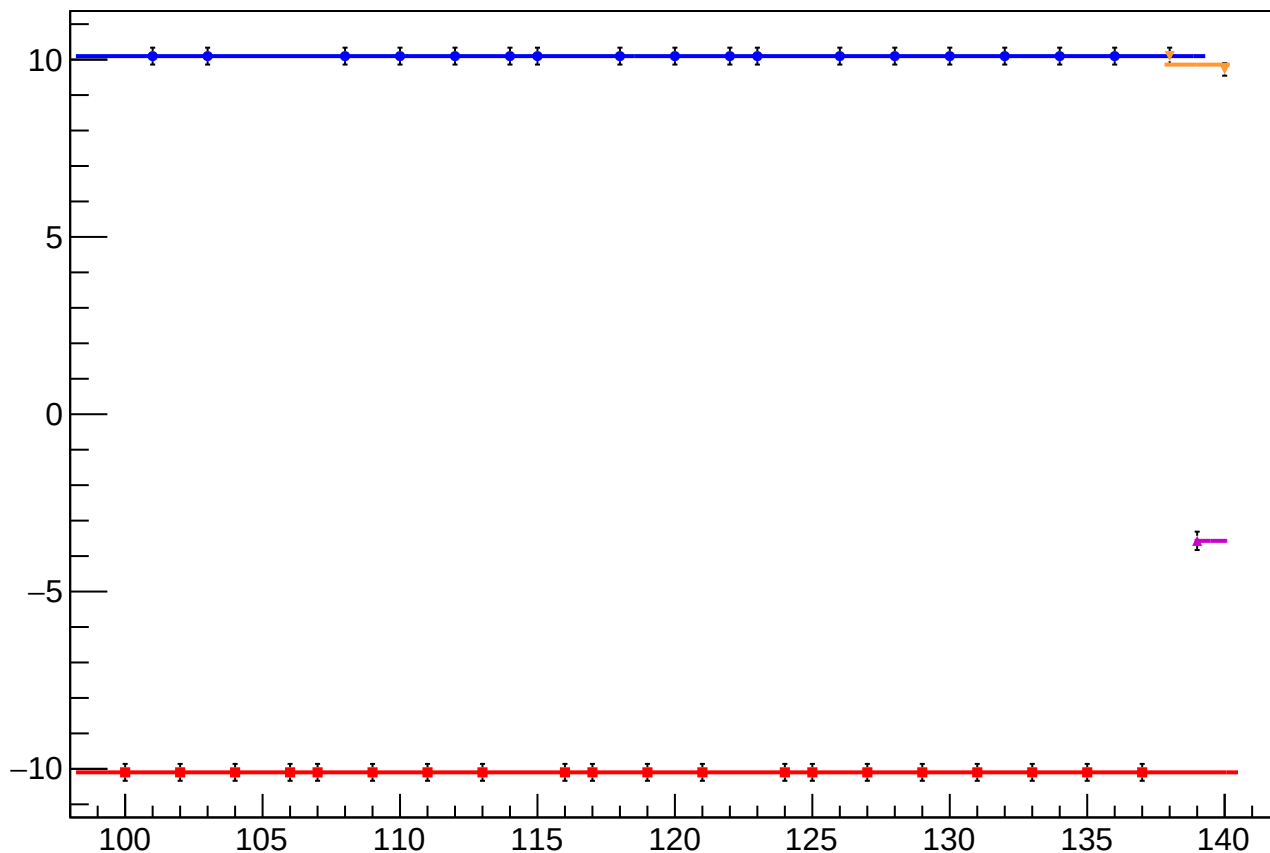
Left In: -0.297 ± 0.038 χ^2/NDF : 0.0/0

-0.024 ± 0.018 χ^2/NDF : 1319.0/18

0.093 ± 0.014 χ^2/NDF : 2906.3/39

0.264 ± 0.021 χ^2/NDF : 1478.9/20

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 10.098 $\pm$ 0.058 χ^2 /NDF: 0.0/16

Left Out: 9.858 $\pm$ 0.143 χ^2 /NDF: 1.6/1

Right Out: -10.098 $\pm$ 0.053 χ^2 /NDF: 0.0/19

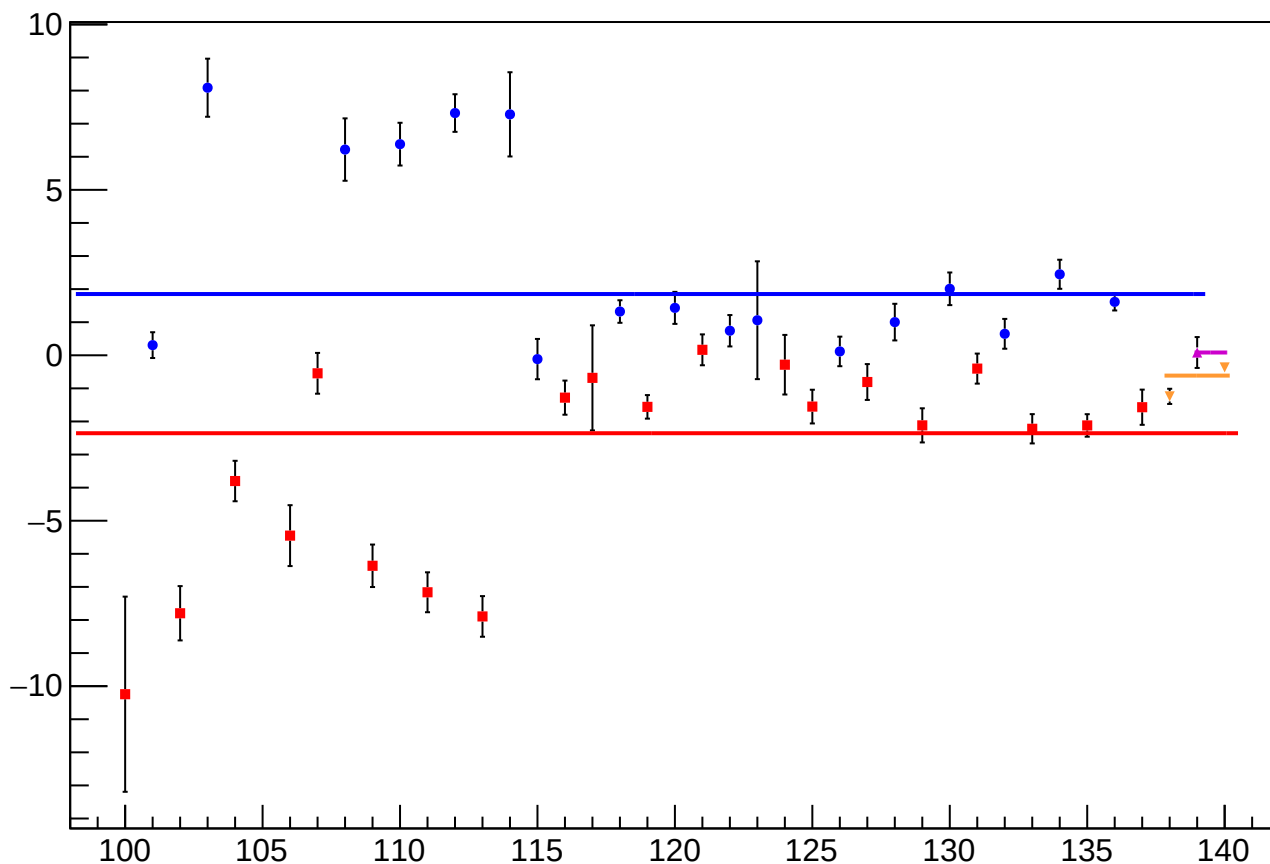
Left In: -3.570 $\pm$ 0.259 χ^2 /NDF: 0.0/0

10.064 $\pm$ 0.054 χ^2 /NDF: 4.0/18

-0.142 $\pm$ 0.037 χ^2 /NDF: 71391.7/39

-9.833 $\pm$ 0.052 χ^2 /NDF: 608.5/20

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 $\chi^2/\text{NDF}: 294.2/16$

Left Out: -0.614 ± 0.122 $\chi^2/\text{NDF}: 10.4/1$

Right Out: -2.355 ± 0.122 $\chi^2/\text{NDF}: 337.4/19$

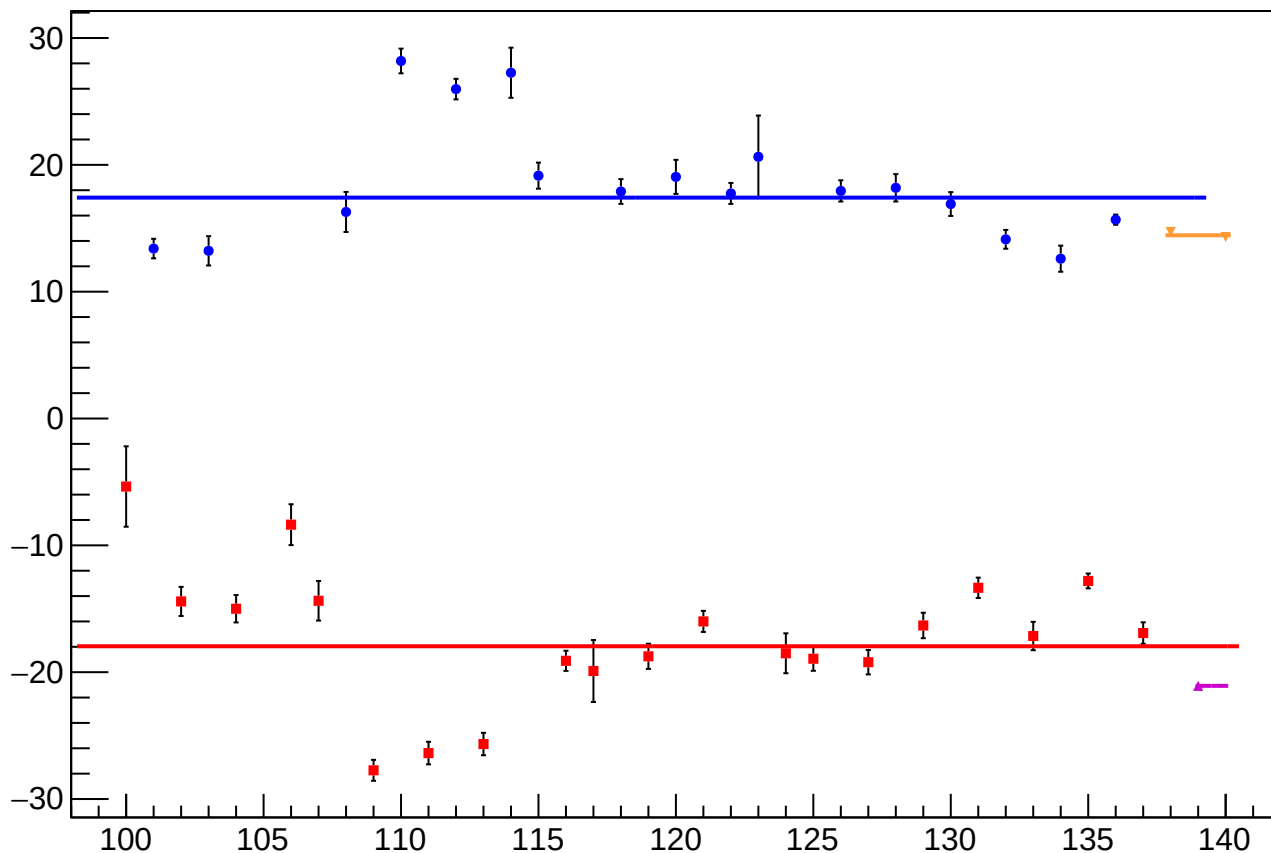
Left In: 0.084 ± 0.467 $\chi^2/\text{NDF}: 0.0/0$

0.670 ± 0.085 $\chi^2/\text{NDF}: 516.7/18$

-0.301 ± 0.069 $\chi^2/\text{NDF}: 1269.0/39$

-2.199 ± 0.118 $\chi^2/\text{NDF}: 362.9/20$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 14.447 $\pm$ 0.153 χ^2 /NDF: 1.6/1

Right Out: -17.957 $\pm$ 0.218 χ^2 /NDF: 506.2/19

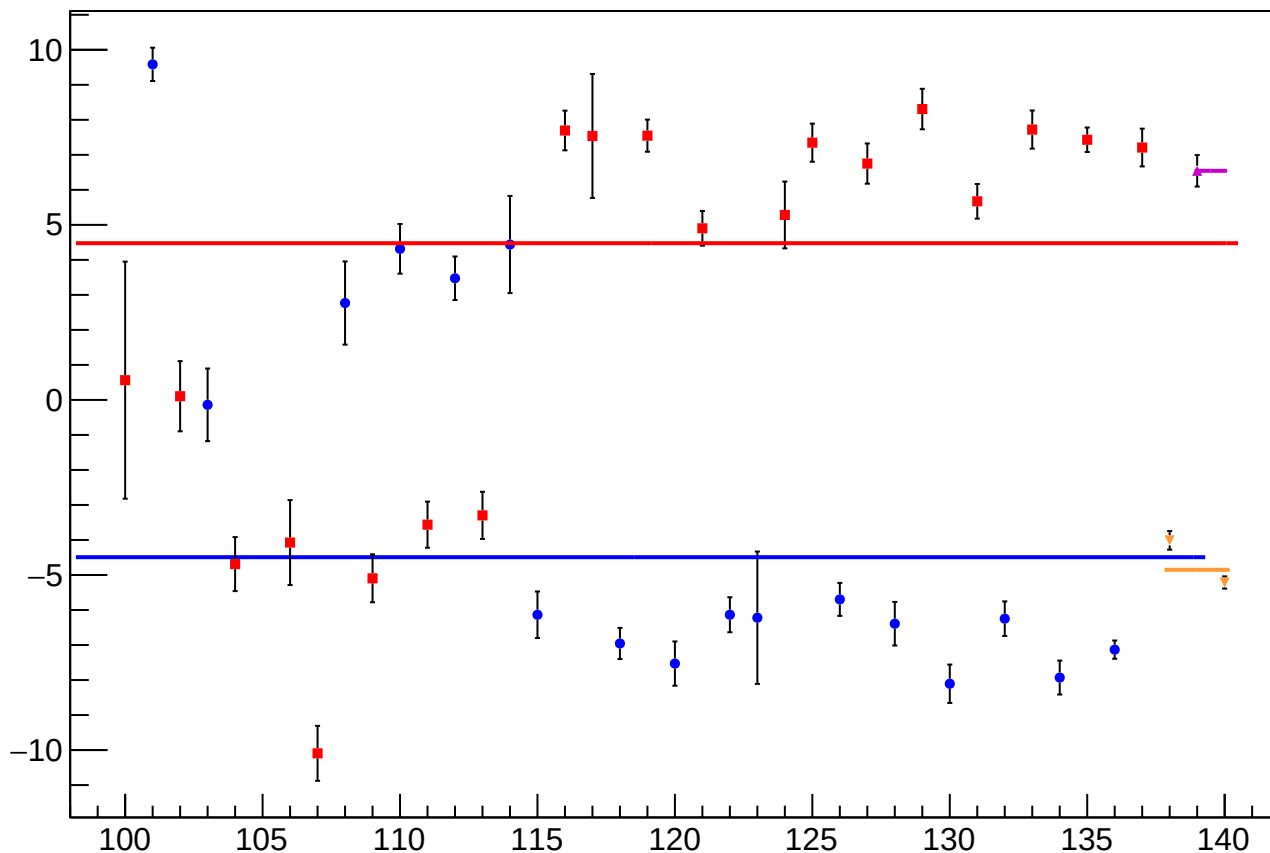
Left In: -21.077 $\pm$ 0.281 χ^2 /NDF: 0.0/0

15.458 $\pm$ 0.124 χ^2 /NDF: 497.2/18

3.645 $\pm$ 0.101 χ^2 /NDF: 27623.6/39

-19.133 $\pm$ 0.172 χ^2 /NDF: 583.2/20

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -4.852 ± 0.146 χ^2/NDF : 14.3/1

Right Out: 4.476 ± 0.137 χ^2/NDF : 1342.0/19

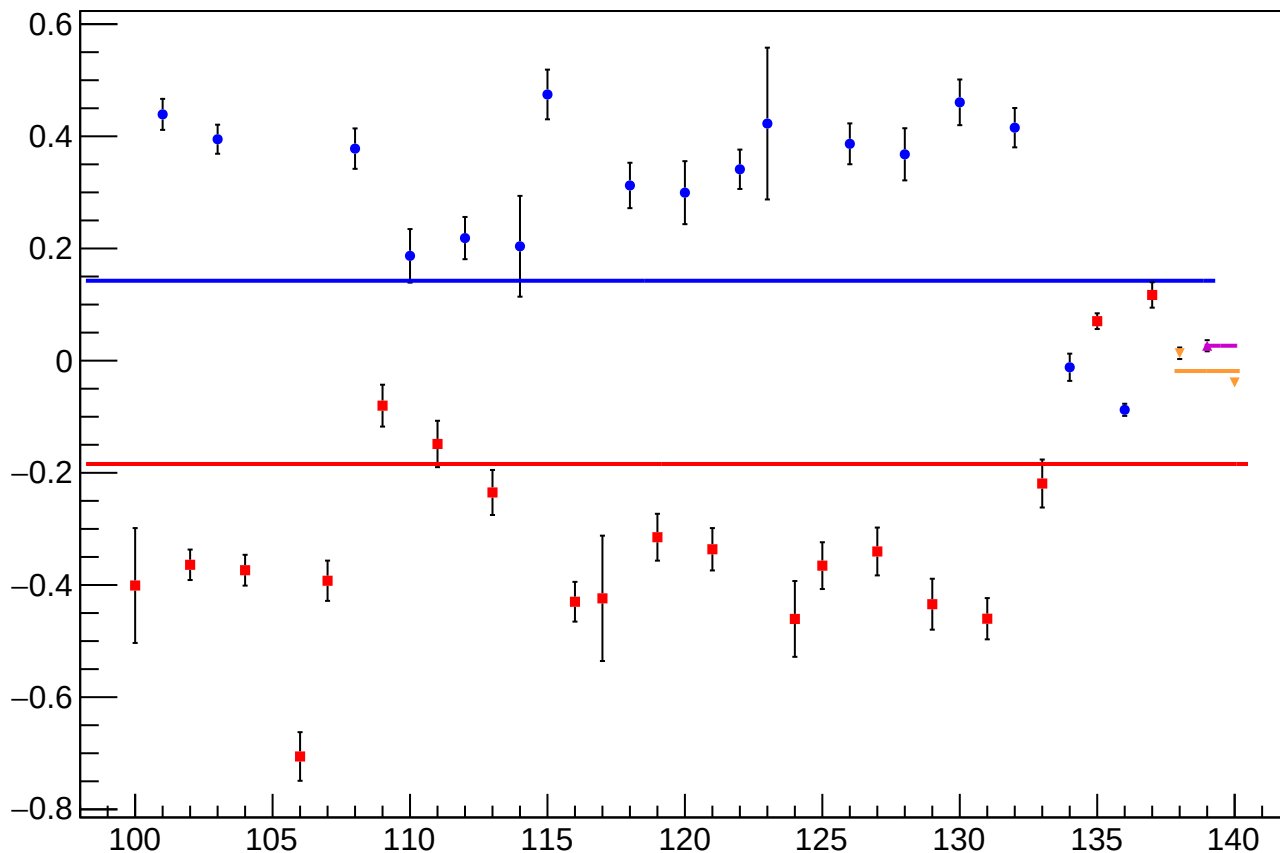
Left In: 6.544 ± 0.449 χ^2/NDF : 0.0/0

-4.652 ± 0.097 χ^2/NDF : 1603.1/18

-1.338 ± 0.078 χ^2/NDF : 6226.1/39

4.651 ± 0.131 χ^2/NDF : 1361.3/20

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: -0.018 ± 0.006 χ^2/NDF : 15.6/1

Right Out: -0.184 ± 0.007 χ^2/NDF : 1005.5/19

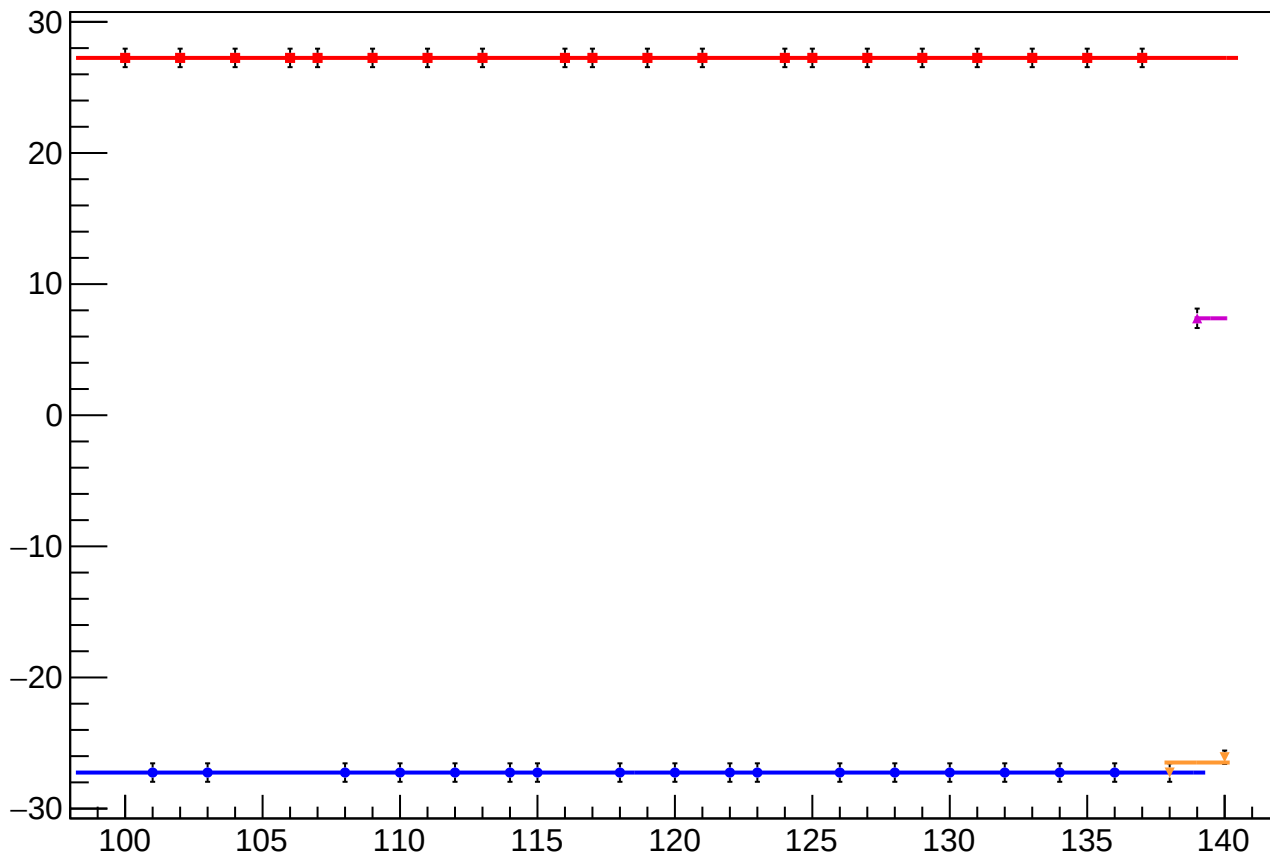
Left In: 0.027 ± 0.010 χ^2/NDF : 0.0/0

0.055 ± 0.005 χ^2/NDF : 1357.6/18

-0.010 ± 0.004 χ^2/NDF : 3116.0/39

-0.109 ± 0.006 χ^2/NDF : 1296.3/20

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -27.252 $\pm$ 0.171 χ^2 /NDF: 0.0/16

Left Out: -26.486 $\pm$ 0.413 χ^2 /NDF: 1.8/1

Right Out: 27.252 $\pm$ 0.158 χ^2 /NDF: 0.0/19

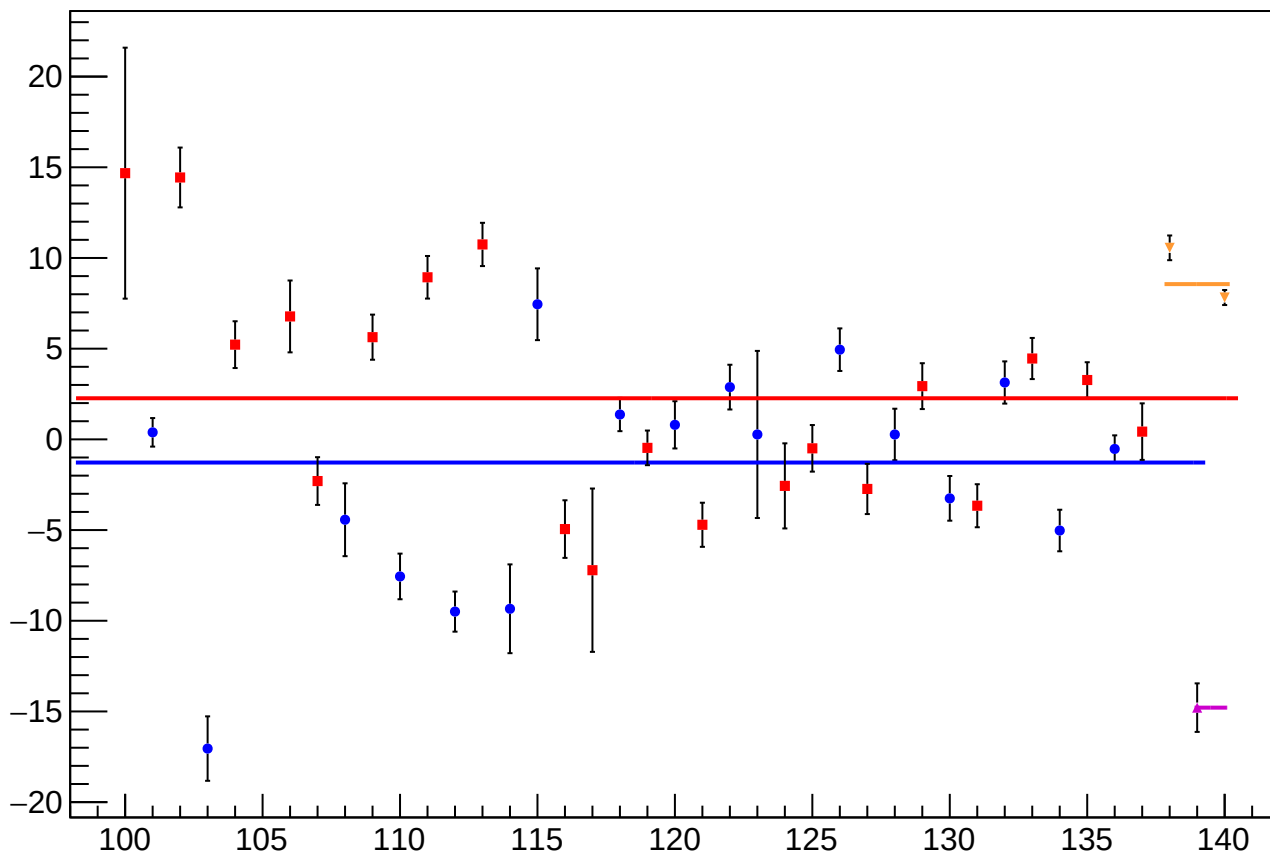
Left In: 7.393 $\pm$ 0.742 χ^2 /NDF: 0.0/0

-27.140 $\pm$ 0.158 χ^2 /NDF: 4.7/18

0.282 $\pm$ 0.110 χ^2 /NDF: 59555.8/39

26.394 $\pm$ 0.154 χ^2 /NDF: 686.3/20

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: 8.559+/-0.354 χ^2/NDF :11.8/1

Right Out: 2.266+/-0.302 χ^2/NDF : 289.8/19

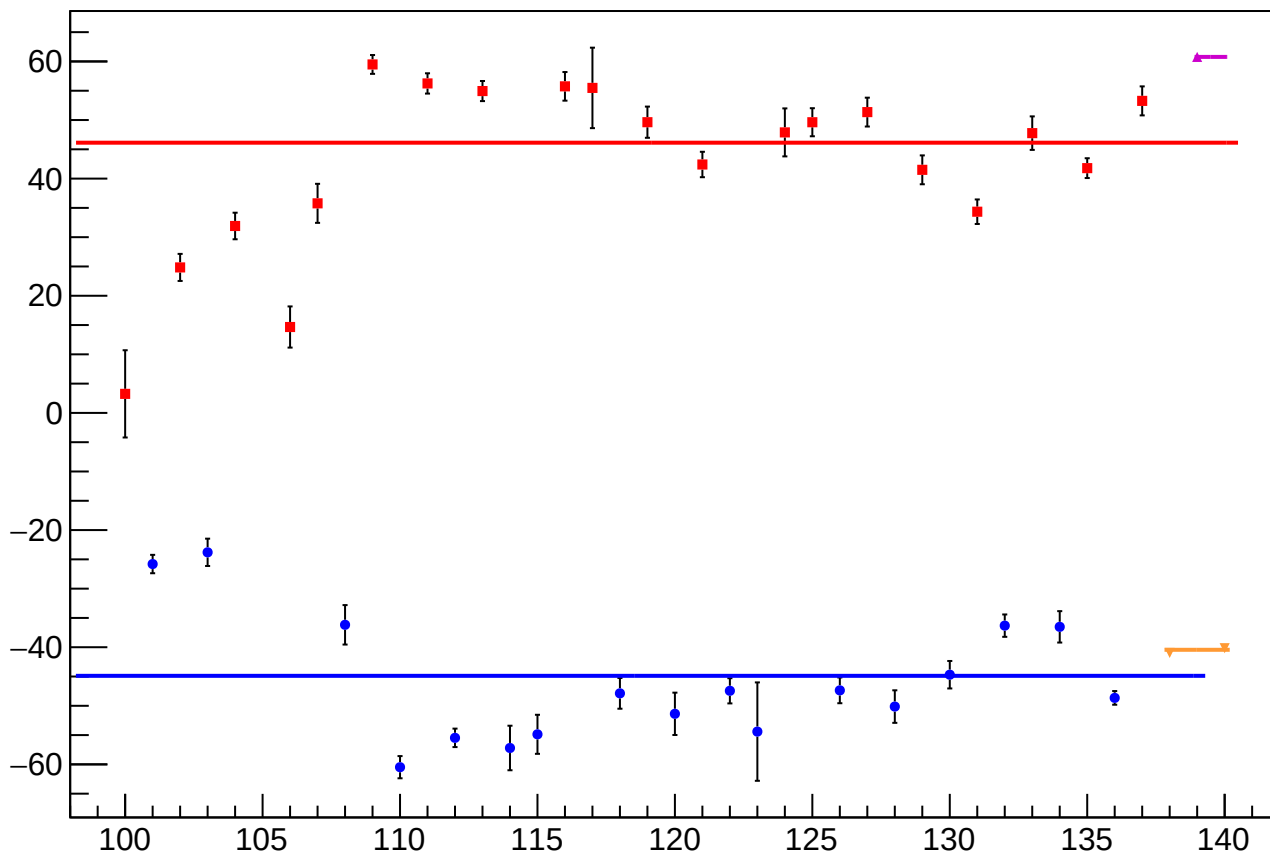
Left In: -14.790+/-1.338 χ^2/NDF :0.0/0

2.714+/-0.225 χ^2/NDF : 747.6/18

2.243+/-0.179 χ^2/NDF : 1203.7/39

1.441+/-0.294 χ^2/NDF : 444.4/20

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -40.439 ± 0.443 χ^2/NDF : 0.7/1

Right Out: 46.130 ± 0.527 χ^2/NDF : 456.1/19

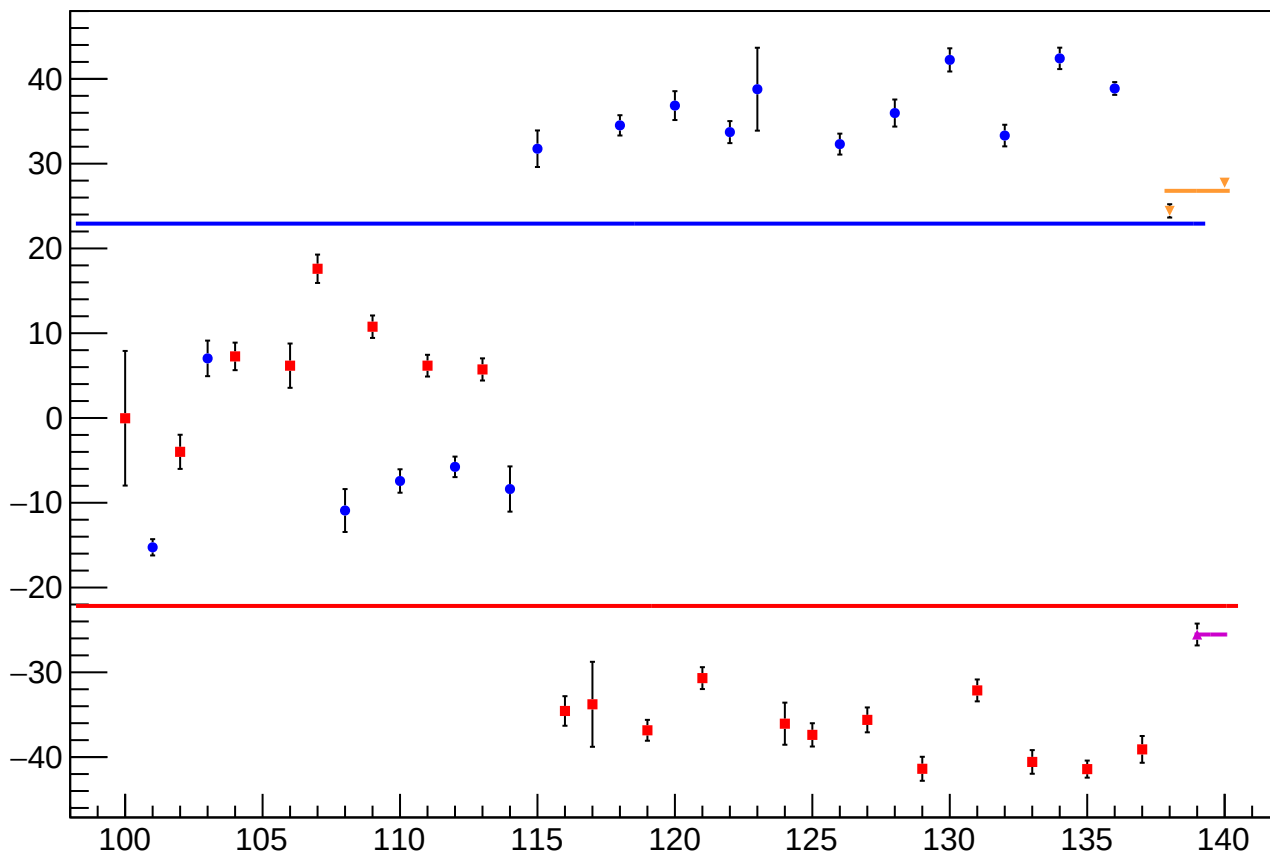
Left In: 60.775 ± 0.803 χ^2/NDF : 0.0/0

-42.290 ± 0.338 χ^2/NDF : 463.6/18

-7.848 ± 0.268 χ^2/NDF : 29082.4/39

50.544 ± 0.441 χ^2/NDF : 688.8/20

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: 26.795+/-0.423 χ^2 /NDF:12.7/1

Right Out: -22.170+/-0.339 χ^2 /NDF: 4038.8/19

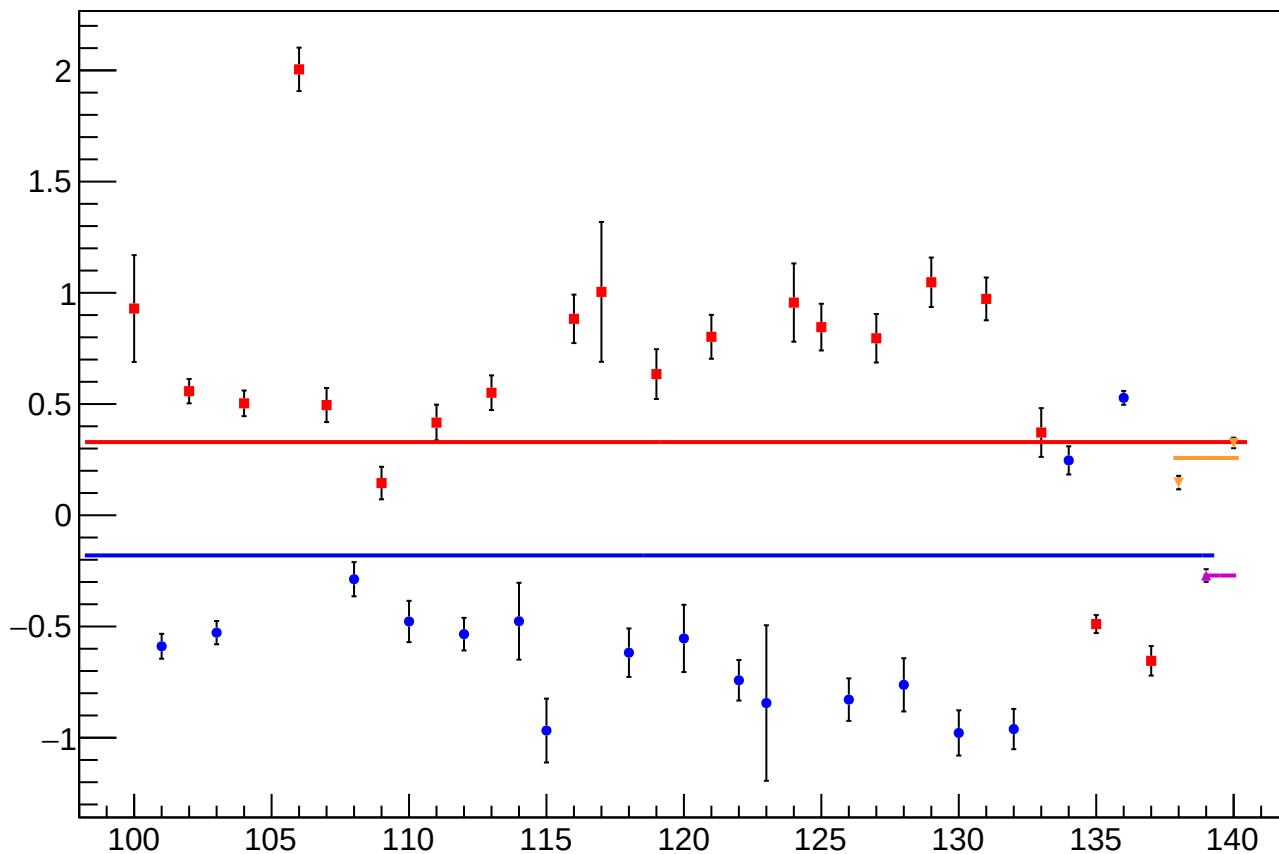
Left In: -25.541+/-1.288 χ^2 /NDF:0.0/0

24.381+/-0.259 χ^2 /NDF: 4395.2/18

6.408+/-0.203 χ^2 /NDF: 20958.8/39

-22.389+/-0.328 χ^2 /NDF: 4045.2/20

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: 0.258 ± 0.019 χ^2/NDF : 21.5/1

Right Out: 0.329 ± 0.018 χ^2/NDF : 1180.2/19

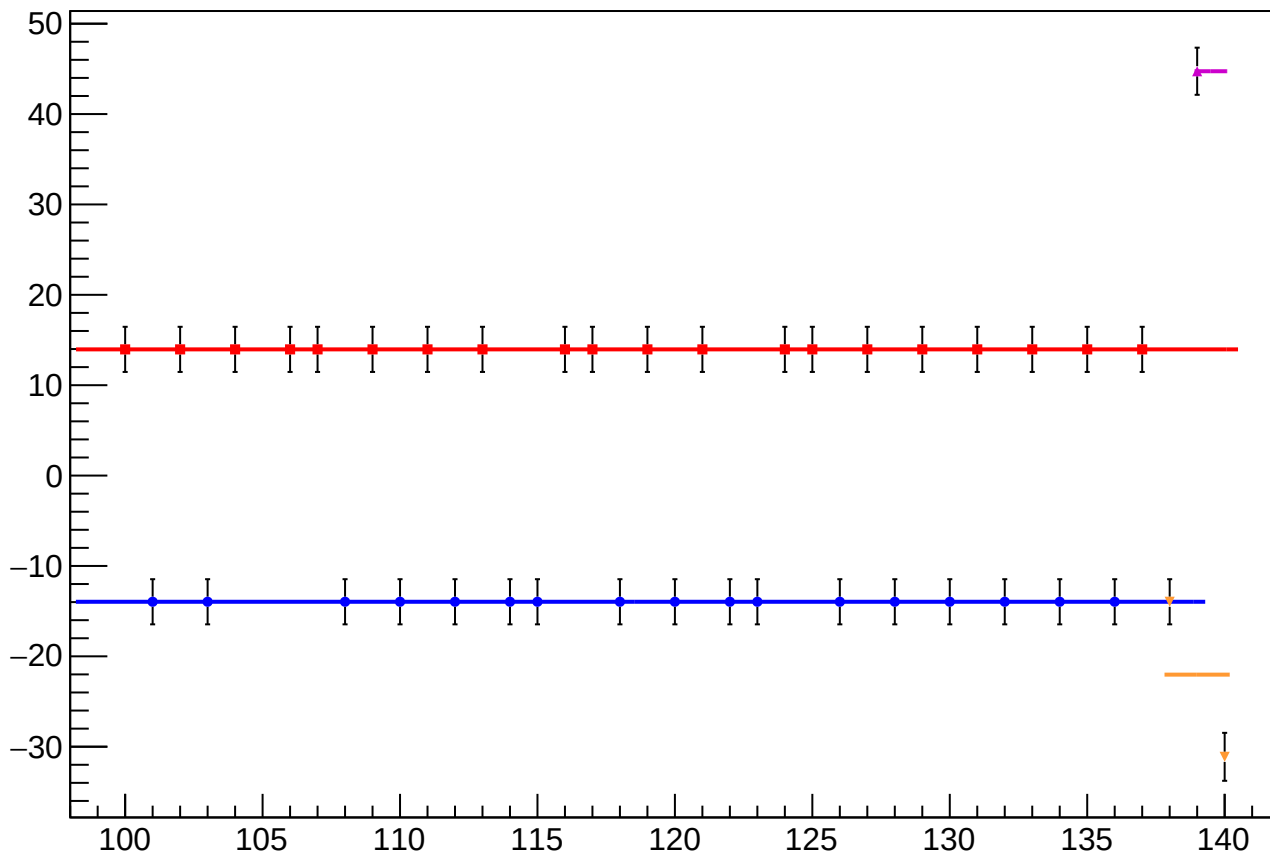
Left In: -0.271 ± 0.028 χ^2/NDF : 0.0/0

0.028 ± 0.013 χ^2/NDF : 1306.4/18

0.081 ± 0.010 χ^2/NDF : 2843.2/39

0.155 ± 0.015 χ^2/NDF : 1496.4/20

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -13.963 $\pm$ 0.606 χ^2/NDF : 0.0/16

Left Out: -22.025 $\pm$ 1.819 χ^2/NDF : 22.2/1

Right Out: 13.963 $\pm$ 0.559 χ^2/NDF : 0.0/19

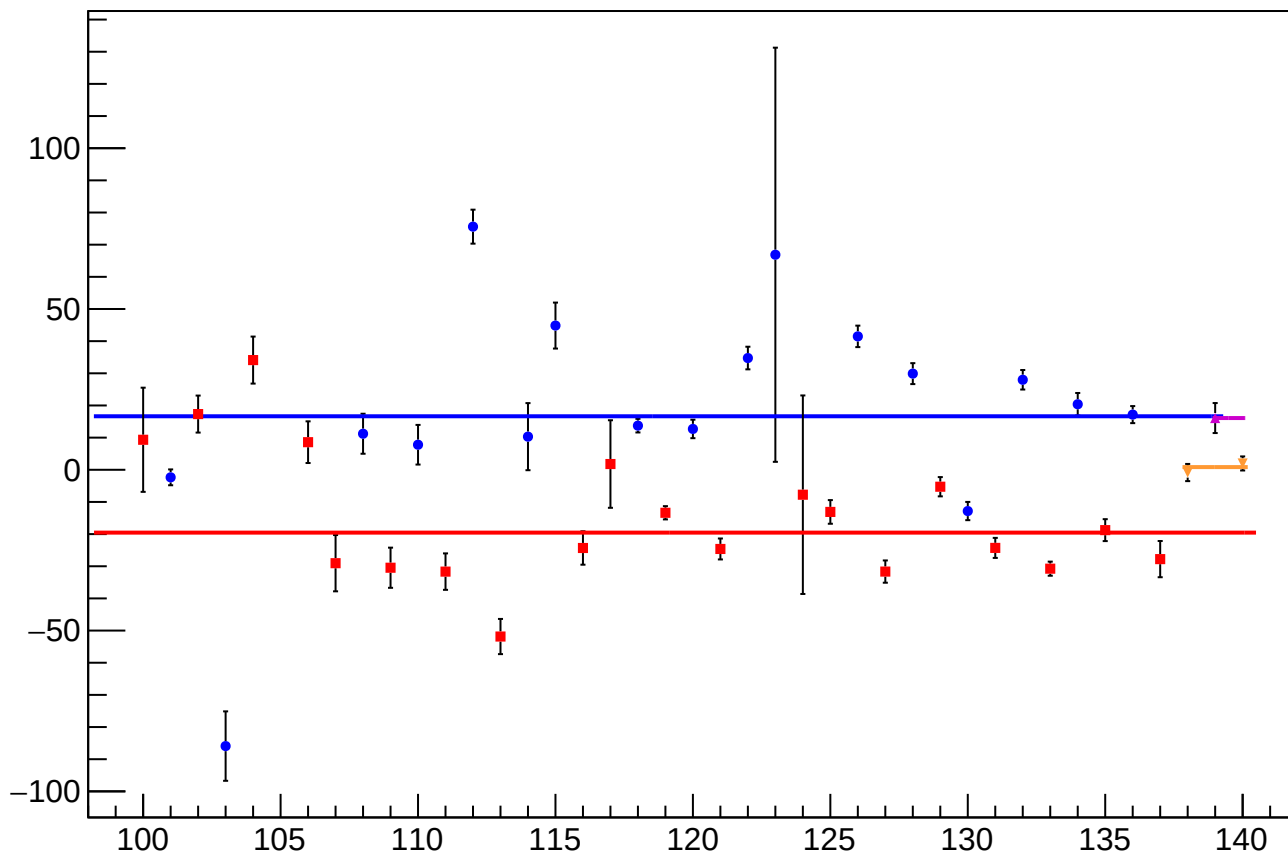
Left In: 44.738 $\pm$ 2.608 χ^2/NDF : 0.0/0

-14.769 $\pm$ 0.575 χ^2/NDF : 39.9/18

1.040 $\pm$ 0.396 χ^2/NDF : 1612.6/39

15.313 $\pm$ 0.546 χ^2/NDF : 133.1/20

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: 0.836 ± 1.692 $\chi^2/\text{NDF}: 0.7/1$

Right Out: -19.540 ± 0.894 $\chi^2/\text{NDF}: 244.1/19$

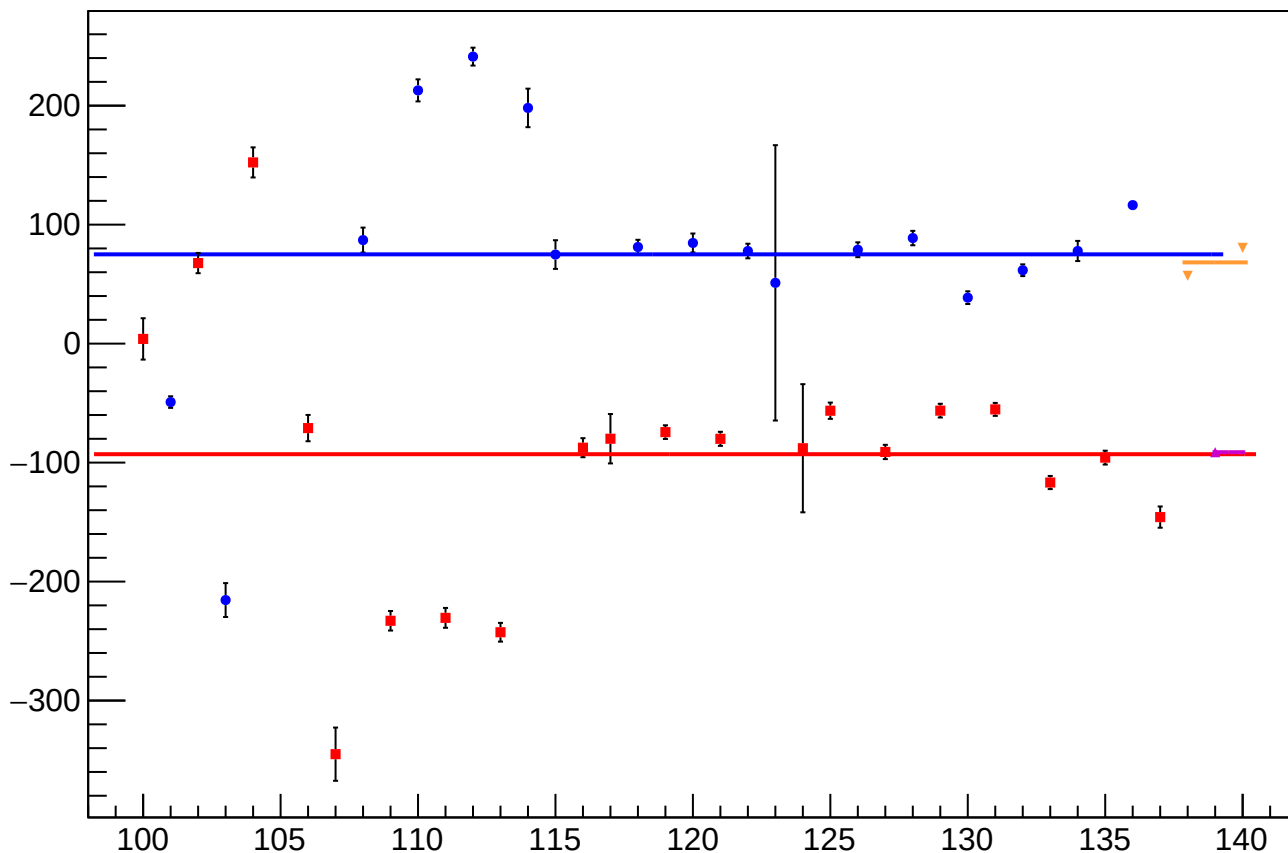
Left In: 16.088 ± 4.665 $\chi^2/\text{NDF}: 0.0/0$

13.404 ± 0.766 $\chi^2/\text{NDF}: 588.9/18$

-0.276 ± 0.577 $\chi^2/\text{NDF}: 1628.5/39$

-18.277 ± 0.878 $\chi^2/\text{NDF}: 300.4/20$

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: 68.260 $\pm$ 1.956 χ^2/NDF : 36.0/1

Right Out: -92.940 $\pm$ 1.706 χ^2/NDF : 2004.0/19

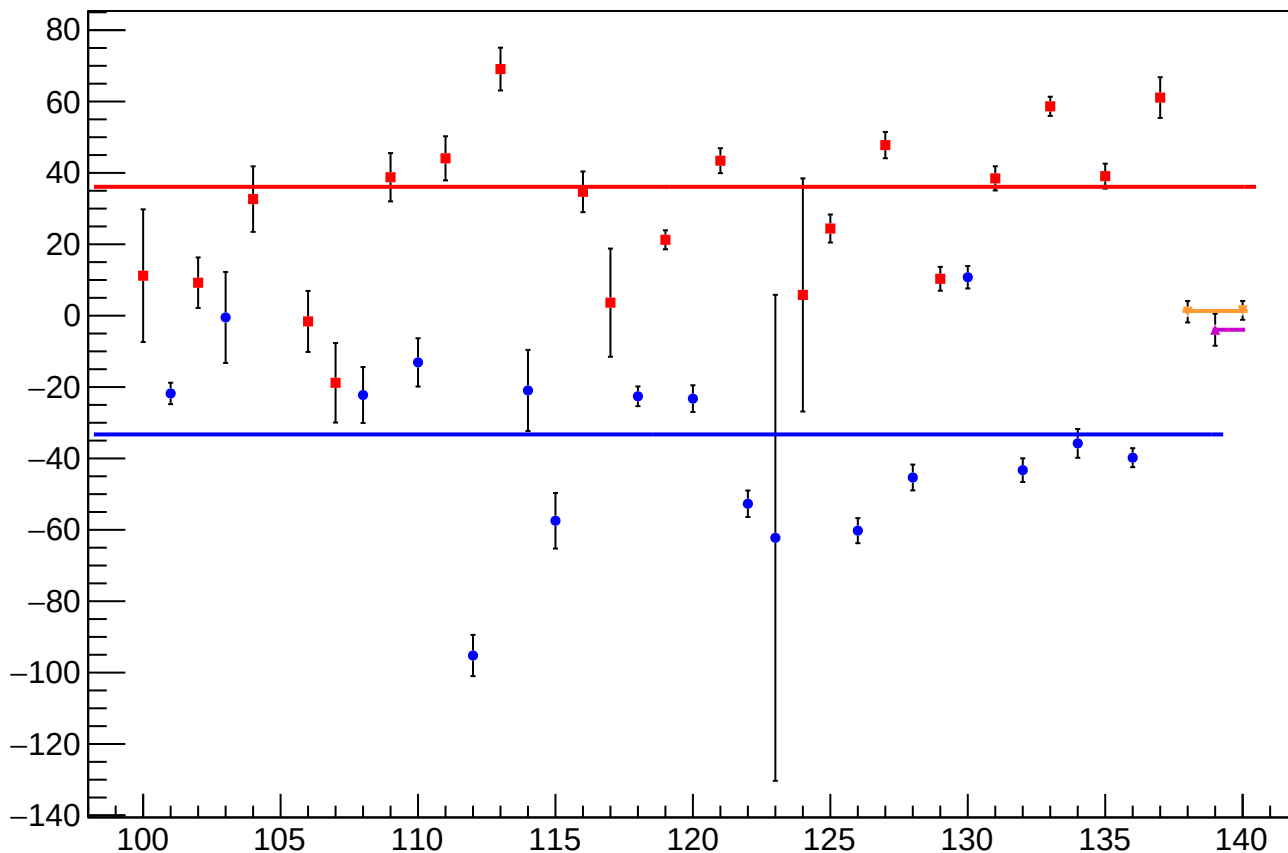
Left In: -91.261 $\pm$ 2.826 χ^2/NDF : 0.0/0

72.223 $\pm$ 1.260 χ^2/NDF : 2042.7/18

1.954 $\pm$ 0.954 χ^2/NDF : 11341.9/39

-92.492 $\pm$ 1.460 χ^2/NDF : 2004.3/20

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: 1.318 ± 1.978 χ^2/NDF : 0.0/1

Right Out: 36.103 ± 1.022 χ^2/NDF : 302.3/19

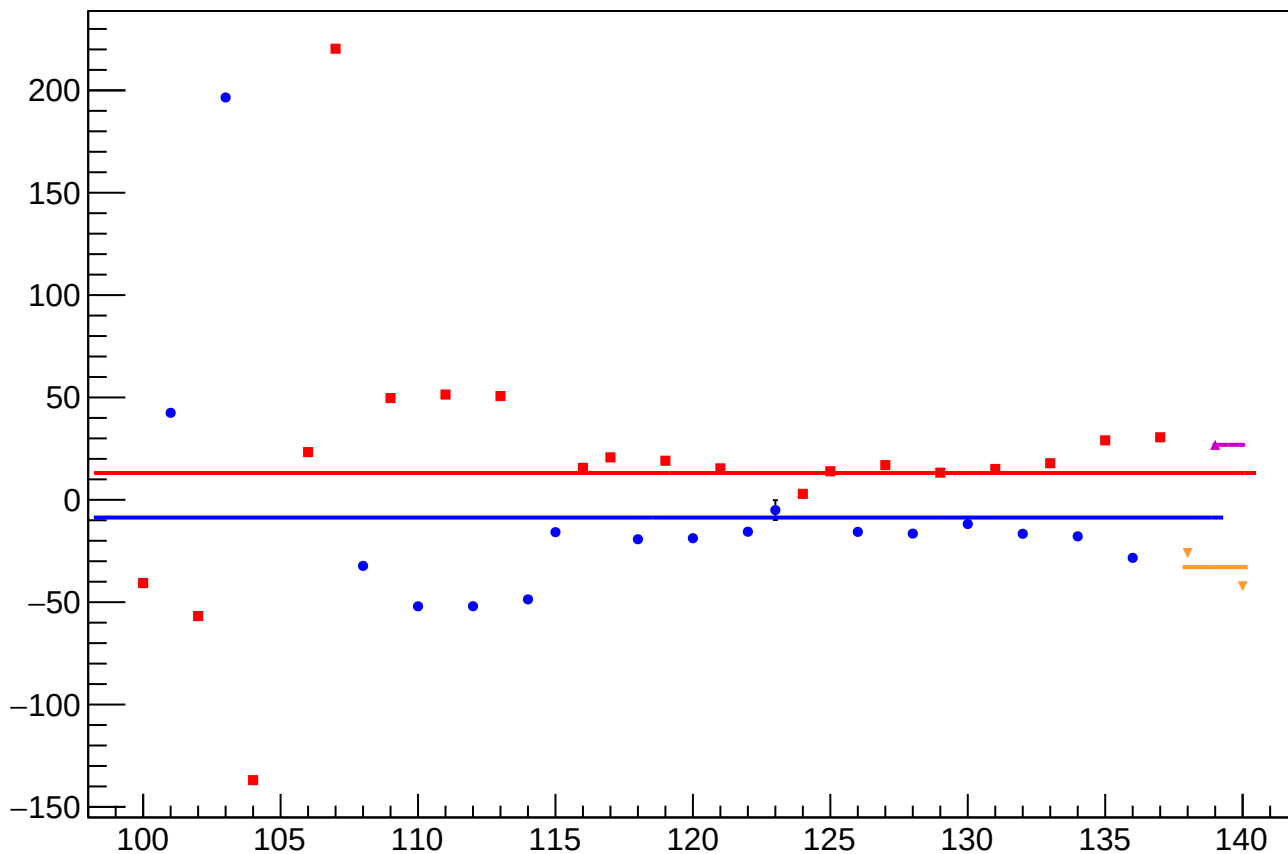
Left In: -3.938 ± 4.489 χ^2/NDF : 0.0/0

-26.433 ± 0.880 χ^2/NDF : 734.7/18

0.098 ± 0.659 χ^2/NDF : 3189.6/39

34.131 ± 0.996 χ^2/NDF : 377.9/20

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657+/-0.059 χ^2/NDF : 575742.7/16

Left Out: -32.877+/-0.080 χ^2/NDF :10047.9/1

Right Out: 13.109+/-0.062 χ^2/NDF : 558383.6/19

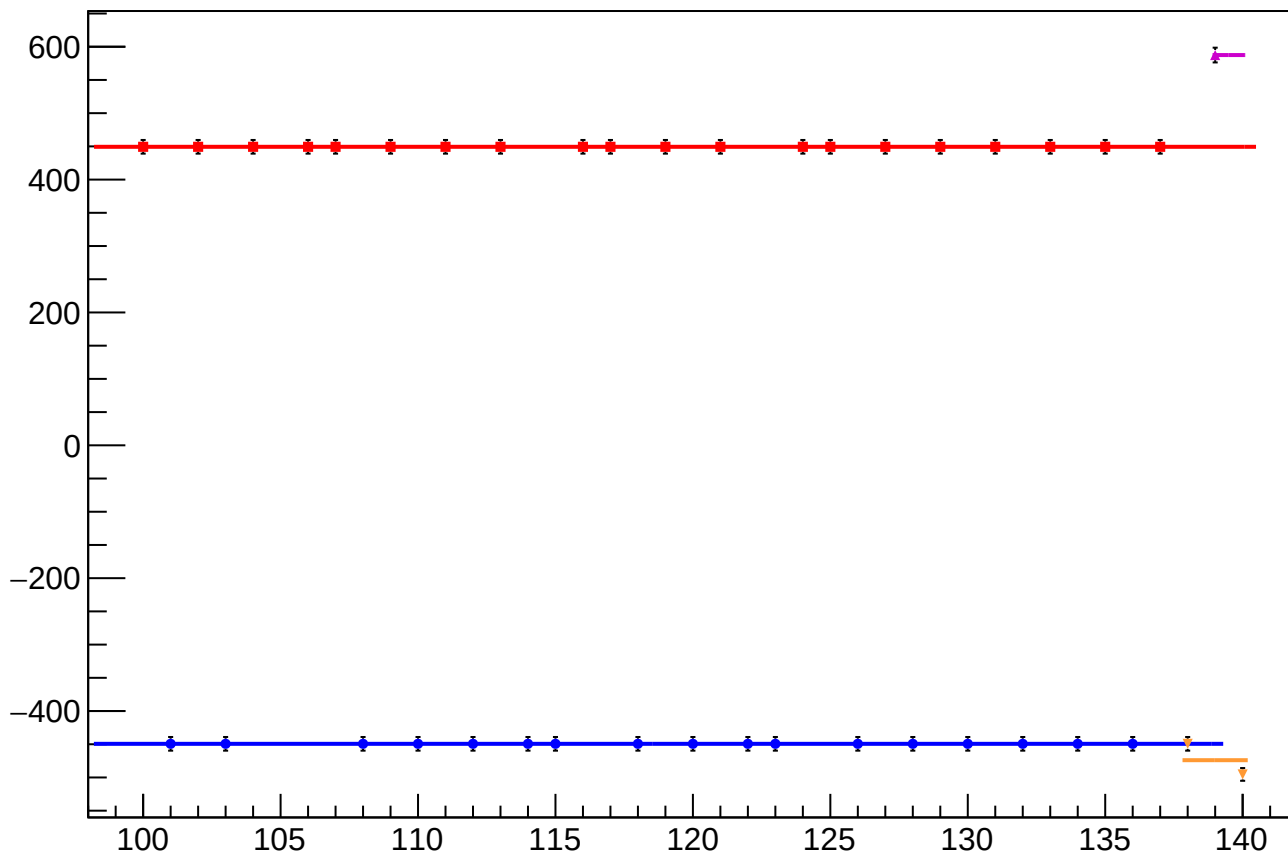
Left In: 26.857+/-0.099 χ^2/NDF :0.0/0

-17.206+/-0.048 χ^2/NDF : 645105.7/18

-1.786+/-0.035 χ^2/NDF : 1450526.7/39

16.947+/-0.052 χ^2/NDF : 572246.6/20

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -449.364 ± 2.496 χ^2/NDF : 0.0/16

Left Out: -473.999 ± 7.019 χ^2/NDF : 10.7/1

Right Out: 449.364 ± 2.301 χ^2/NDF : 0.0/19

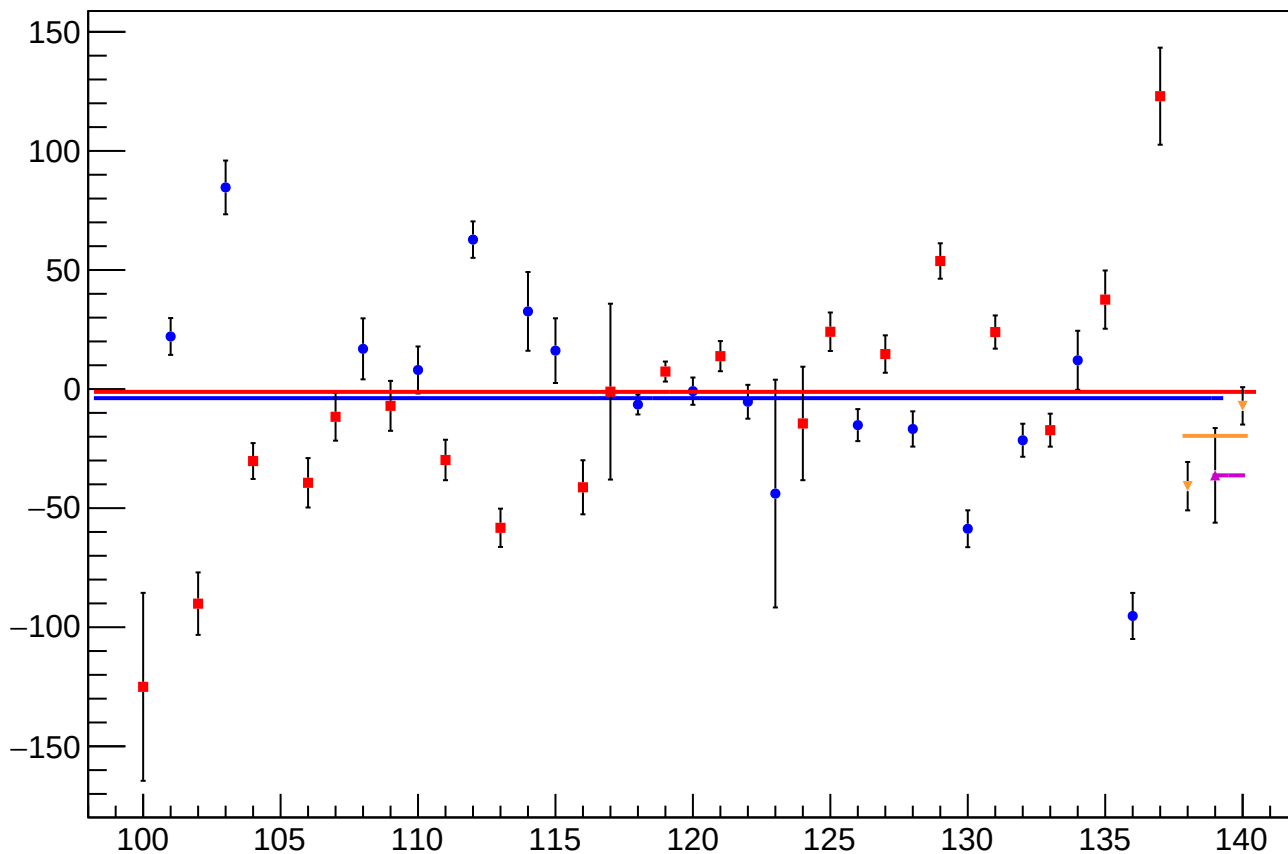
Left In: 587.475 ± 11.115 χ^2/NDF : 0.0/0

-452.130 ± 2.352 χ^2/NDF : 21.6/18

20.814 ± 1.627 χ^2/NDF : 77727.3/39

455.041 ± 2.254 χ^2/NDF : 148.0/20

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: -19.653 ± 6.213 χ^2/NDF : 6.9/1

Right Out: -1.175 ± 1.911 χ^2/NDF : 303.9/19

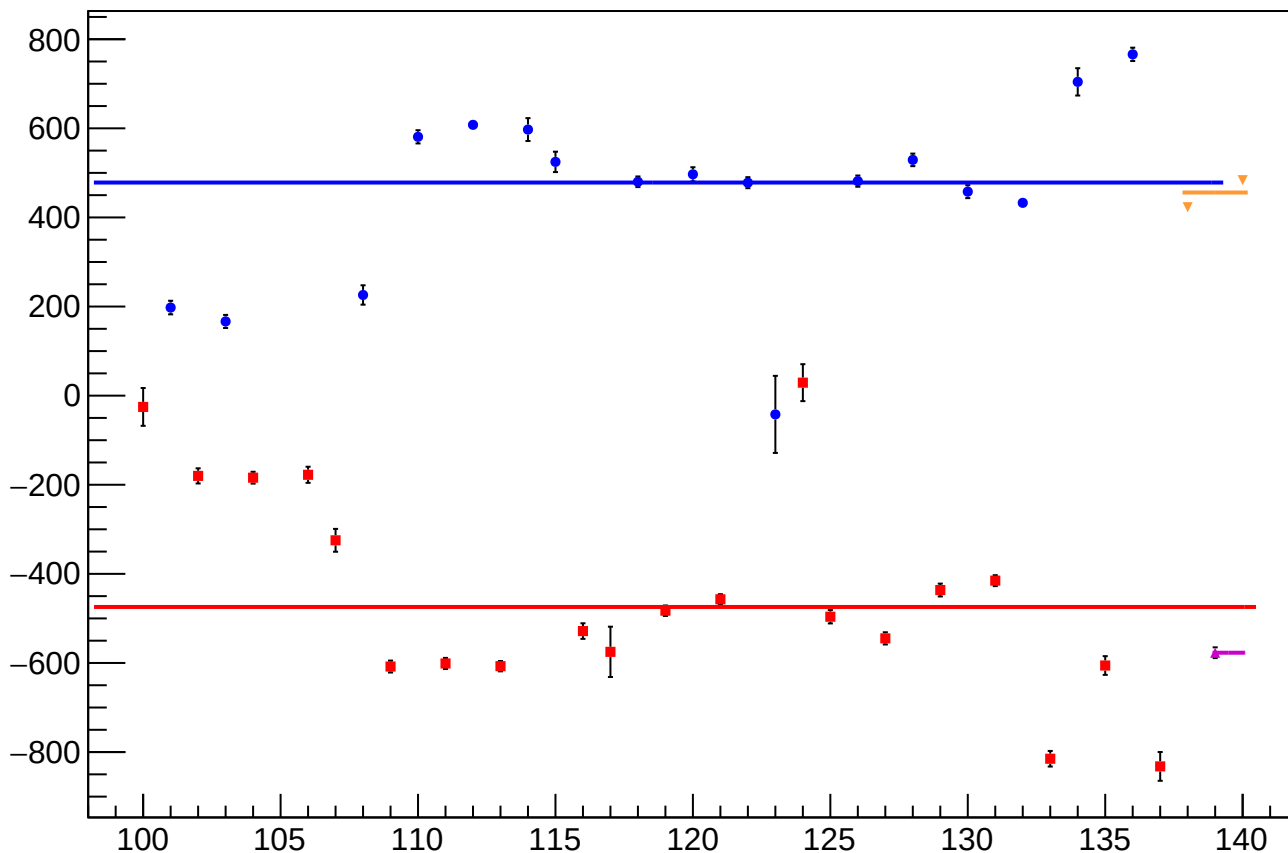
Left In: -36.229 ± 19.865 χ^2/NDF : 0.0/0

-5.199 ± 1.837 χ^2/NDF : 327.1/18

-3.413 ± 1.321 χ^2/NDF : 636.0/39

-1.496 ± 1.903 χ^2/NDF : 307.0/20

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334+/-3.662 χ^2/NDF : 1628.8/16

Left Out: 455.926+/-7.535 χ^2/NDF : 16.1/1

Right Out: -474.296+/-3.524 χ^2/NDF : 2288.2/19

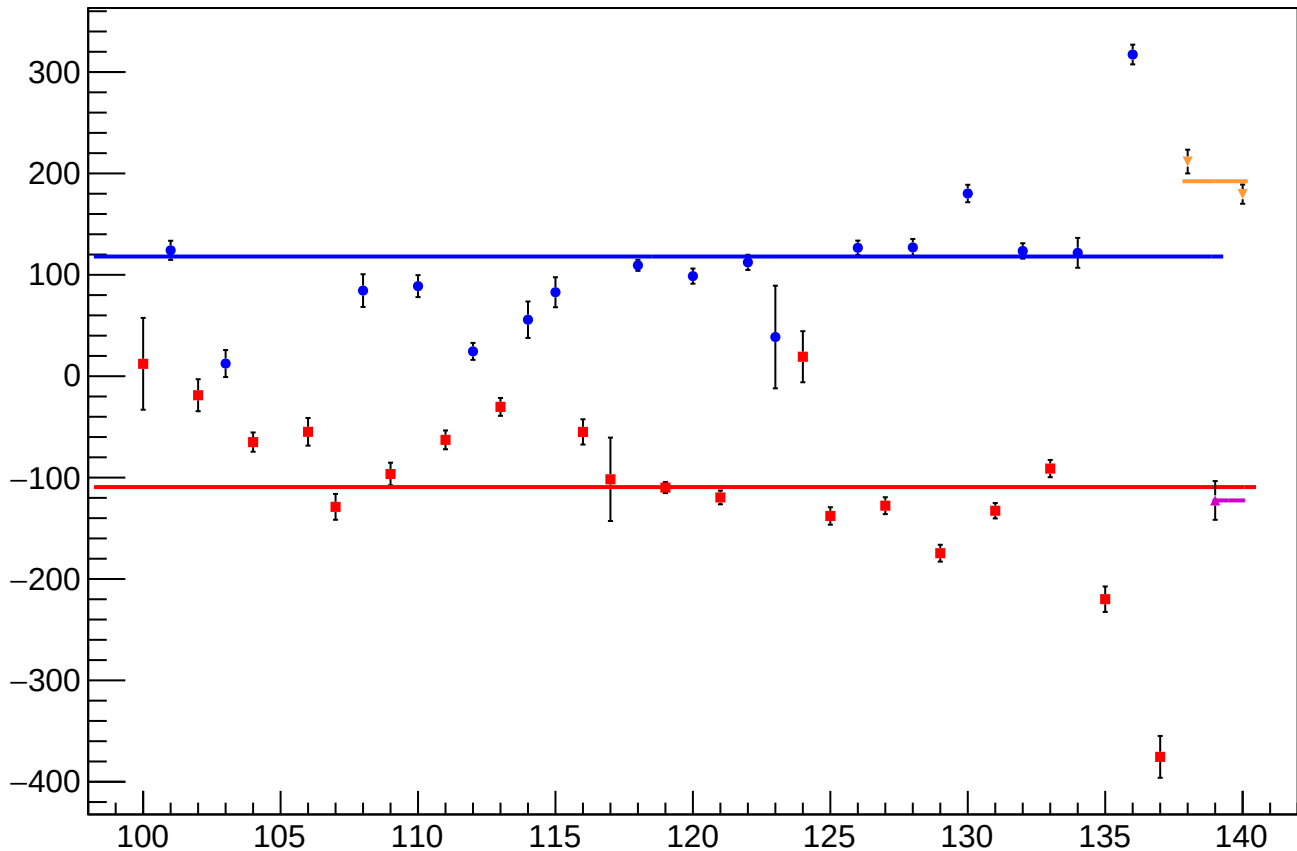
Left In: -577.011+/-12.050 χ^2/NDF : 0.0/0

474.053+/-3.294 χ^2/NDF : 1652.1/18

8.536+/-2.360 χ^2/NDF : 45048.4/39

-482.390+/-3.382 χ^2/NDF : 2355.1/20

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 ± 2.225 χ^2/NDF : 705.3/16

Left Out: 192.310 ± 7.364 χ^2/NDF : 4.6/1

Right Out: -109.345 ± 2.202 χ^2/NDF : 569.8/19

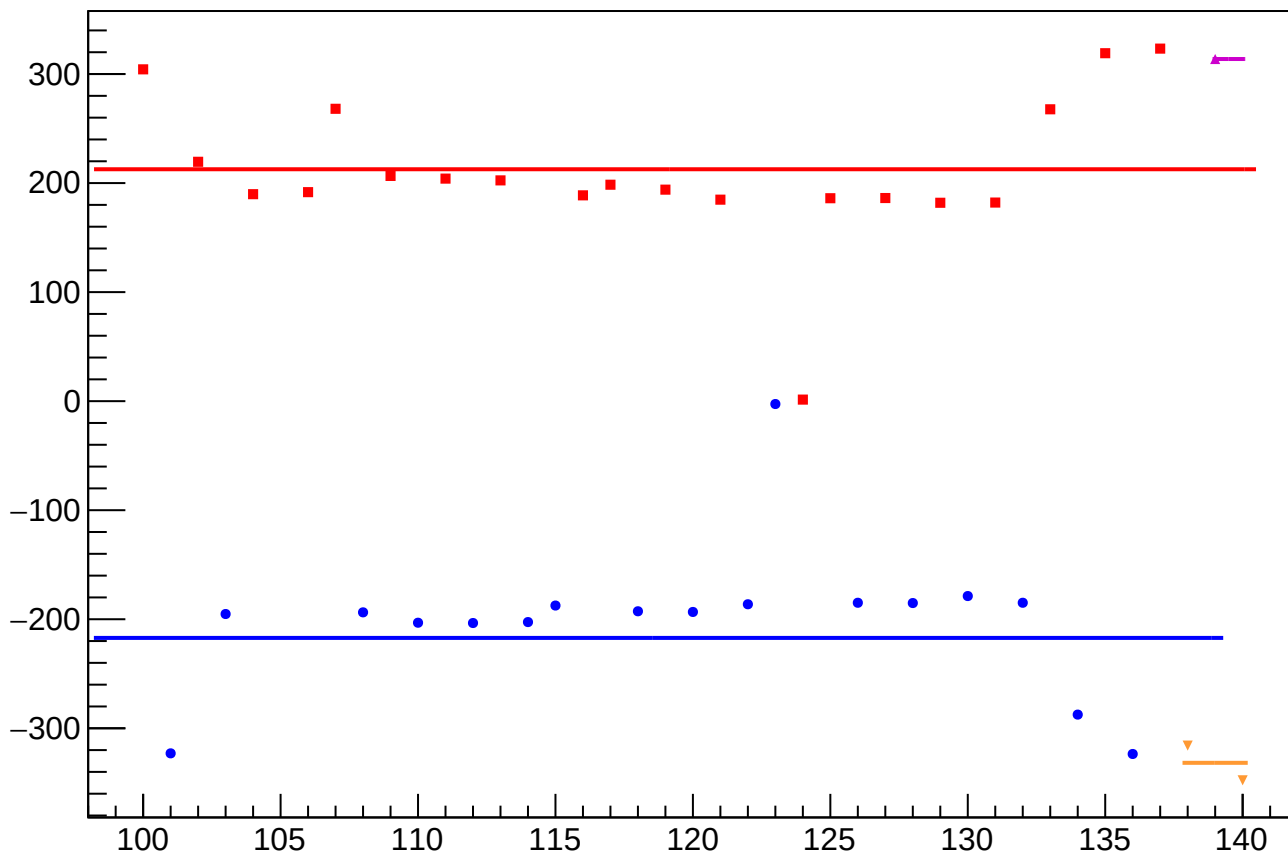
Left In: -122.520 ± 19.110 χ^2/NDF : 0.0/0

124.269 ± 2.130 χ^2/NDF : 803.1/18

10.465 ± 1.526 χ^2/NDF : 7236.7/39

-109.517 ± 2.187 χ^2/NDF : 570.3/20

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -331.678 ± 0.315 $\chi^2/\text{NDF}: 2555.5/1$

Right Out: 212.679 ± 0.130 $\chi^2/\text{NDF}: 115596.4/19$

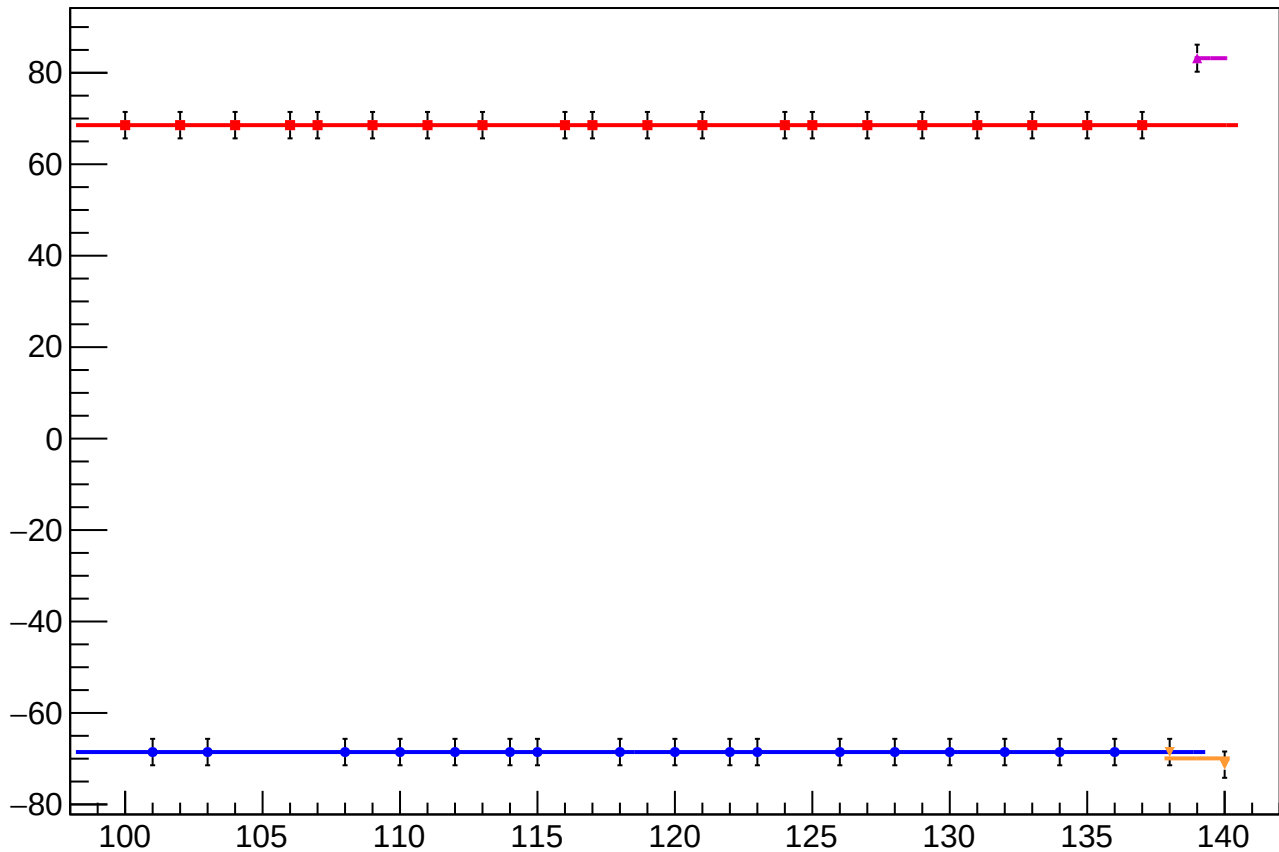
Left In: 313.777 ± 0.422 $\chi^2/\text{NDF}: 0.0/0$

-235.269 ± 0.125 $\chi^2/\text{NDF}: 260581.5/18$

-5.012 ± 0.088 $\chi^2/\text{NDF}: 7127573.6/39$

221.440 ± 0.124 $\chi^2/\text{NDF}: 167993.5/20$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -68.551 ± 0.701 χ^2/NDF : 0.0/16

Left Out: -69.937 ± 2.039 χ^2/NDF : 0.5/1

Right Out: 68.551 ± 0.647 χ^2/NDF : 0.0/19

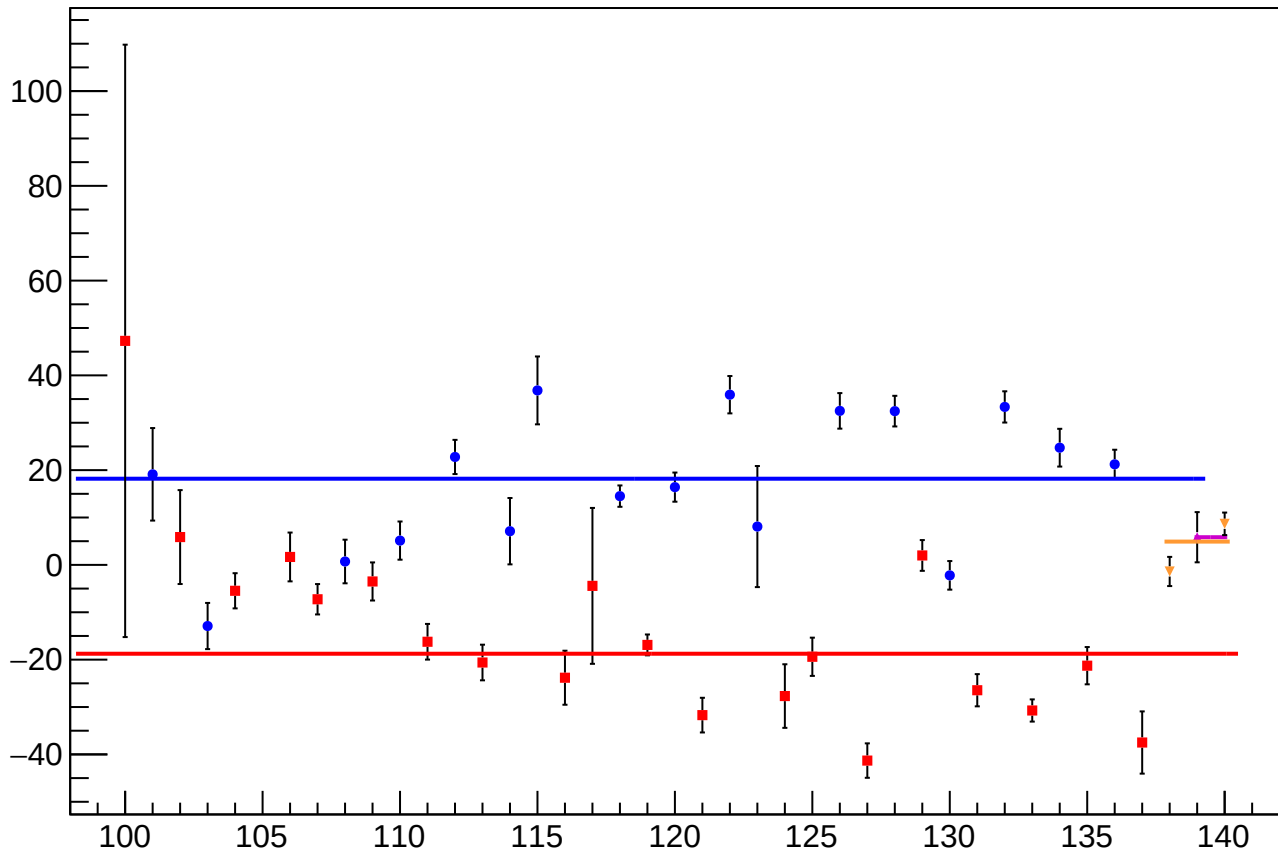
Left In: 83.193 ± 2.958 χ^2/NDF : 0.0/0

-68.698 ± 0.663 χ^2/NDF : 0.9/18

3.614 ± 0.457 χ^2/NDF : 22698.3/39

69.219 ± 0.632 χ^2/NDF : 23.4/20

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188+/-0.917 χ^2/NDF : 204.9/16

Left Out: 4.917+/-1.880 χ^2/NDF : 6.7/1

Right Out: -18.752+/-0.862 χ^2/NDF : 199.5/19

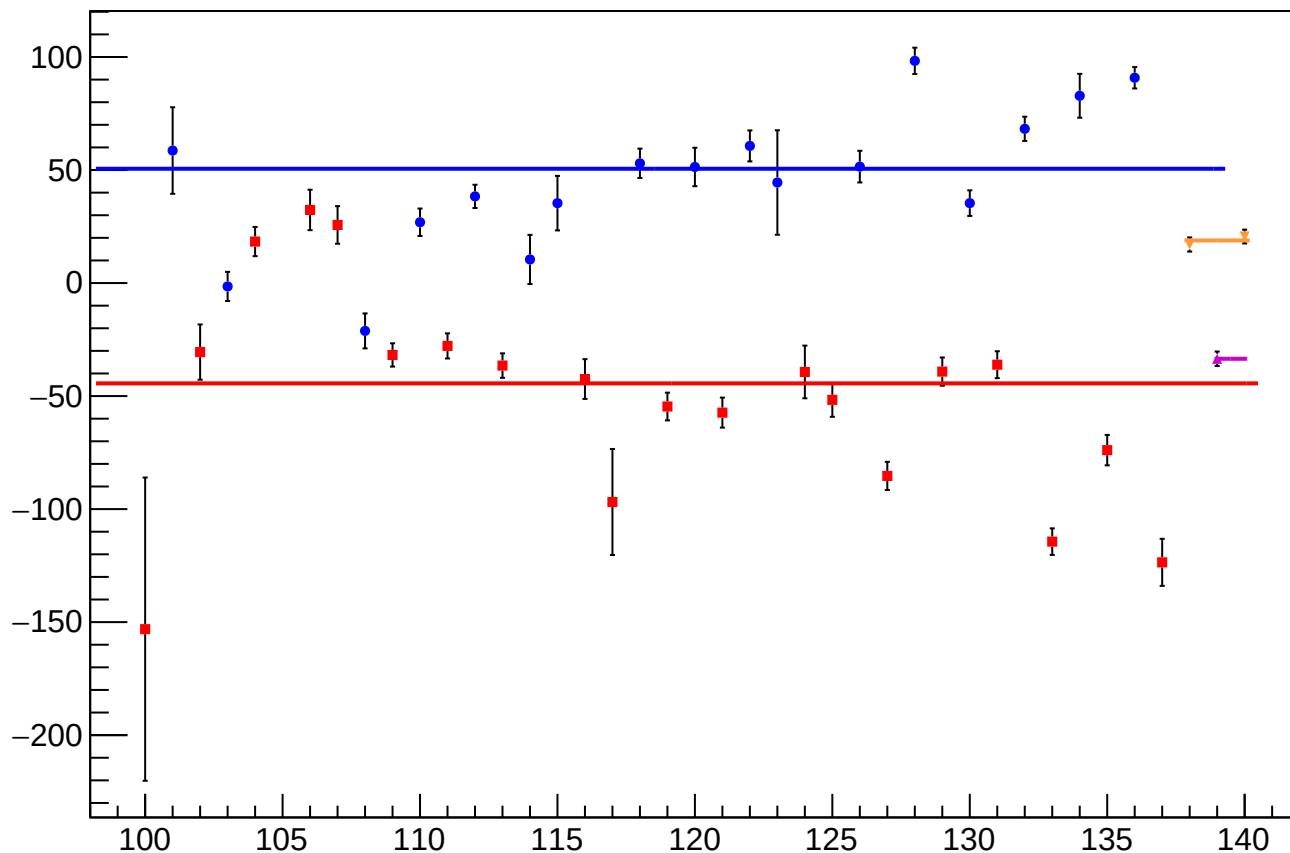
Left In: 5.841+/-5.298 χ^2/NDF : 0.0/0

15.637+/-0.824 χ^2/NDF : 251.8/18

-0.717+/-0.592 χ^2/NDF : 1284.6/39

-18.118+/-0.850 χ^2/NDF : 220.5/20

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: 18.854+/-2.191 χ^2/NDF : 0.6/1

Right Out: -44.377+/-1.599 χ^2/NDF : 537.6/19

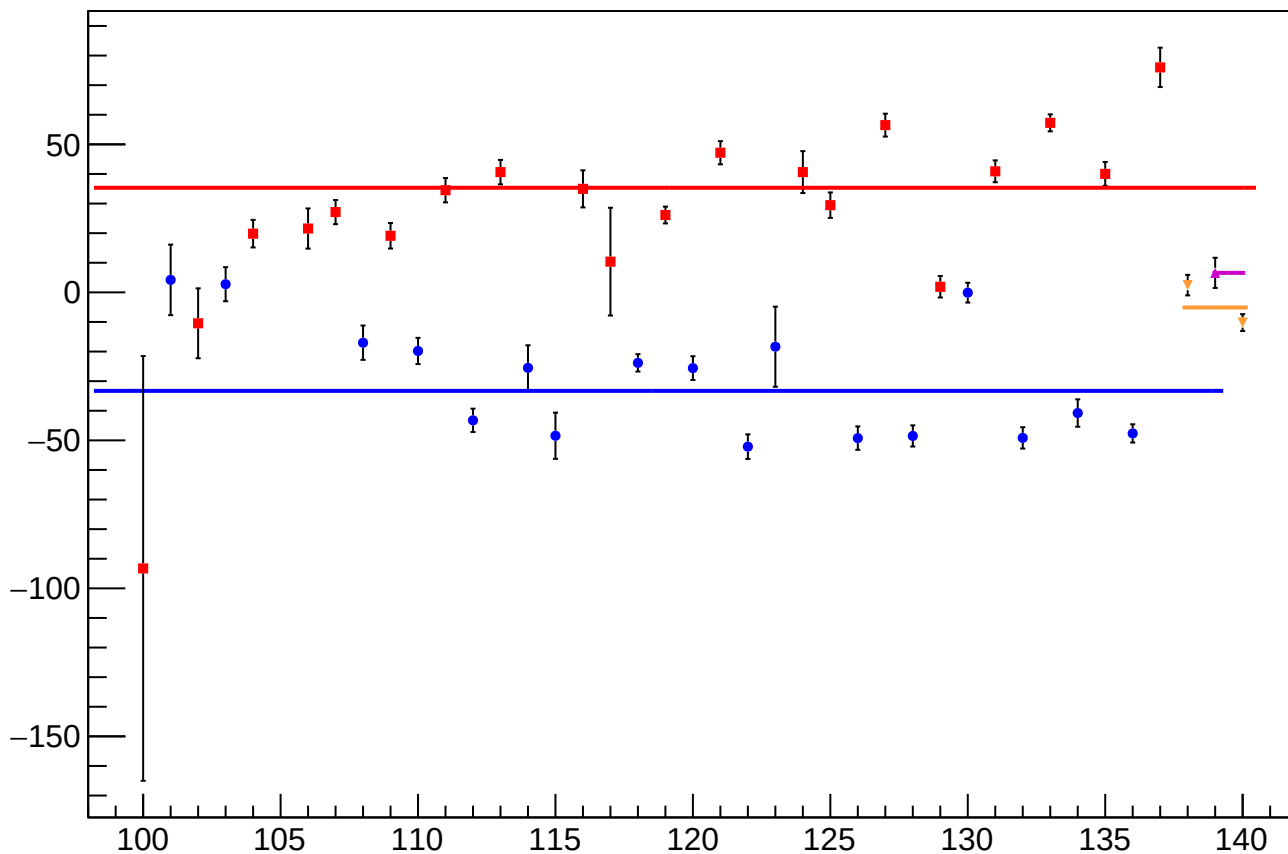
Left In: -33.503+/-3.206 χ^2/NDF : 0.0/0

38.845+/-1.332 χ^2/NDF : 490.6/18

1.211+/-0.975 χ^2/NDF : 2756.9/39

-42.211+/-1.431 χ^2/NDF : 546.8/20

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 $\chi^2/\text{NDF}: 290.1/16$

Left Out: -5.113 ± 2.204 $\chi^2/\text{NDF}: 7.9/1$

Right Out: 35.343 ± 0.990 $\chi^2/\text{NDF}: 291.6/19$

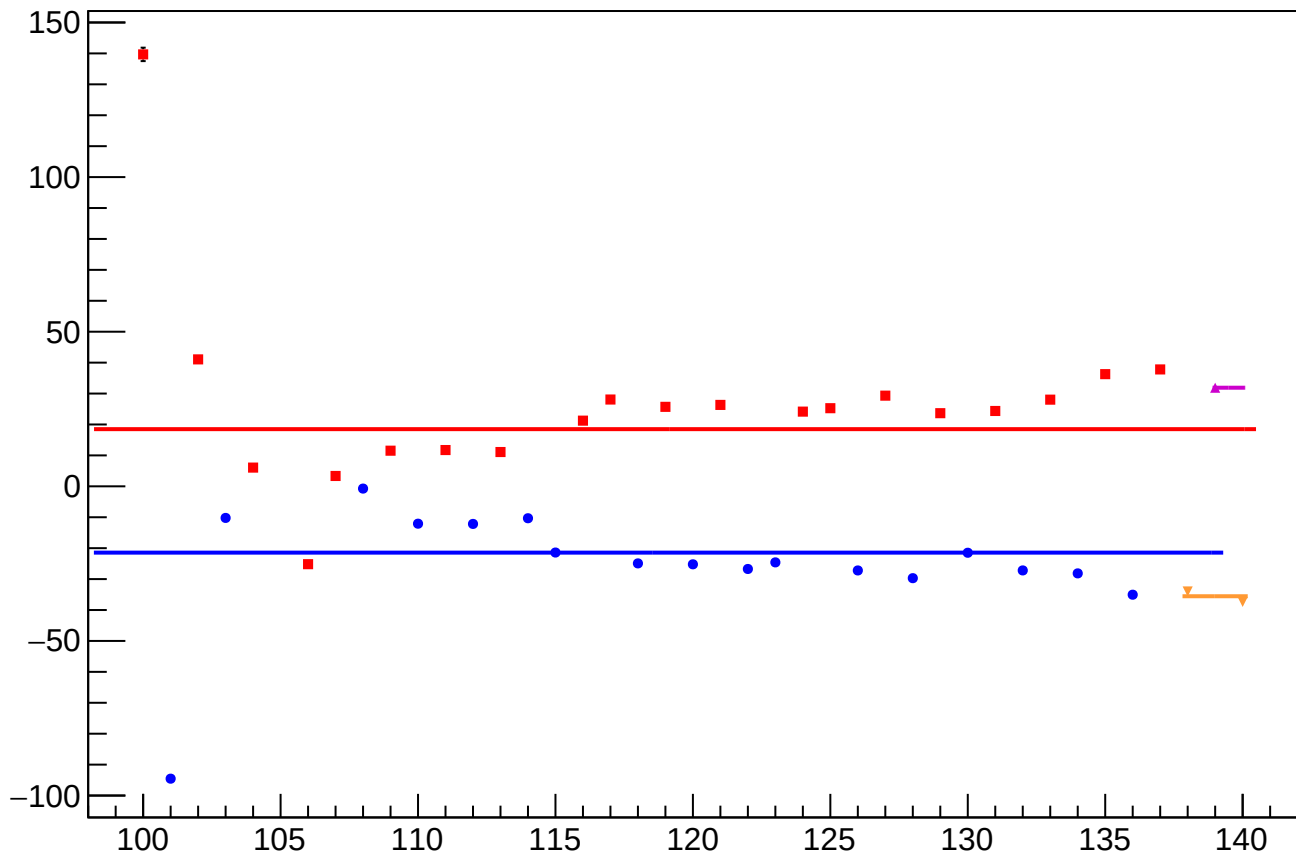
Left In: 6.587 ± 5.098 $\chi^2/\text{NDF}: 0.0/0$

-28.123 ± 0.943 $\chi^2/\text{NDF}: 431.5/18$

2.155 ± 0.677 $\chi^2/\text{NDF}: 2878.6/39$

34.299 ± 0.972 $\chi^2/\text{NDF}: 322.3/20$

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442+/-0.059 χ^2/NDF : 48968.5/16

Left Out: -35.547+/-0.090 χ^2/NDF : 350.1/1

Right Out: 18.490+/-0.057 χ^2/NDF : 80549.5/19

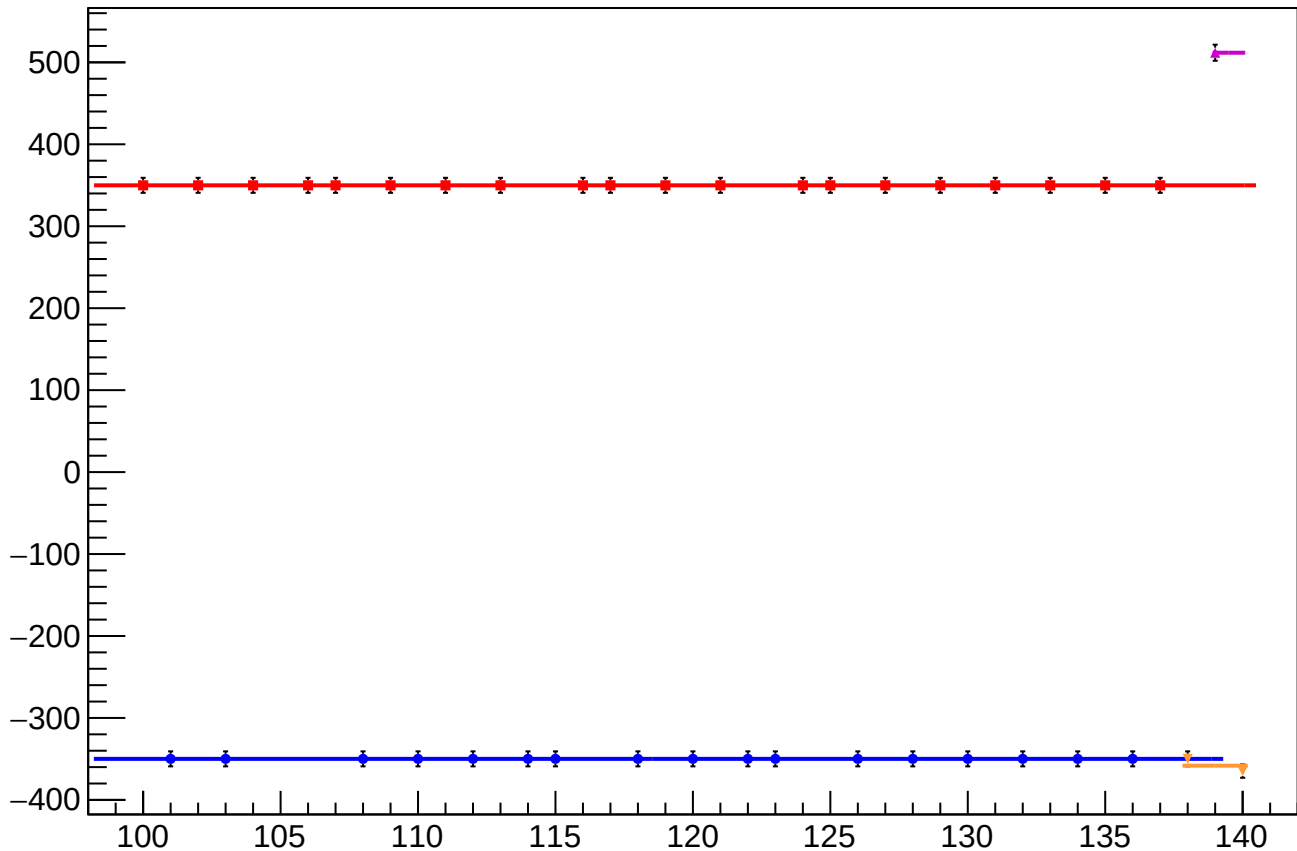
Left In: 31.889+/-0.113 χ^2/NDF : 0.0/0

-25.667+/-0.049 χ^2/NDF : 66490.1/18

-3.037+/-0.035 χ^2/NDF : 595061.9/39

21.250+/-0.051 χ^2/NDF : 91805.6/20

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -349.933 ± 2.223 χ^2/NDF : 0.0/16

Left Out: -358.246 ± 6.101 χ^2/NDF : 1.5/1

Right Out: 349.933 ± 2.049 χ^2/NDF : 0.0/19

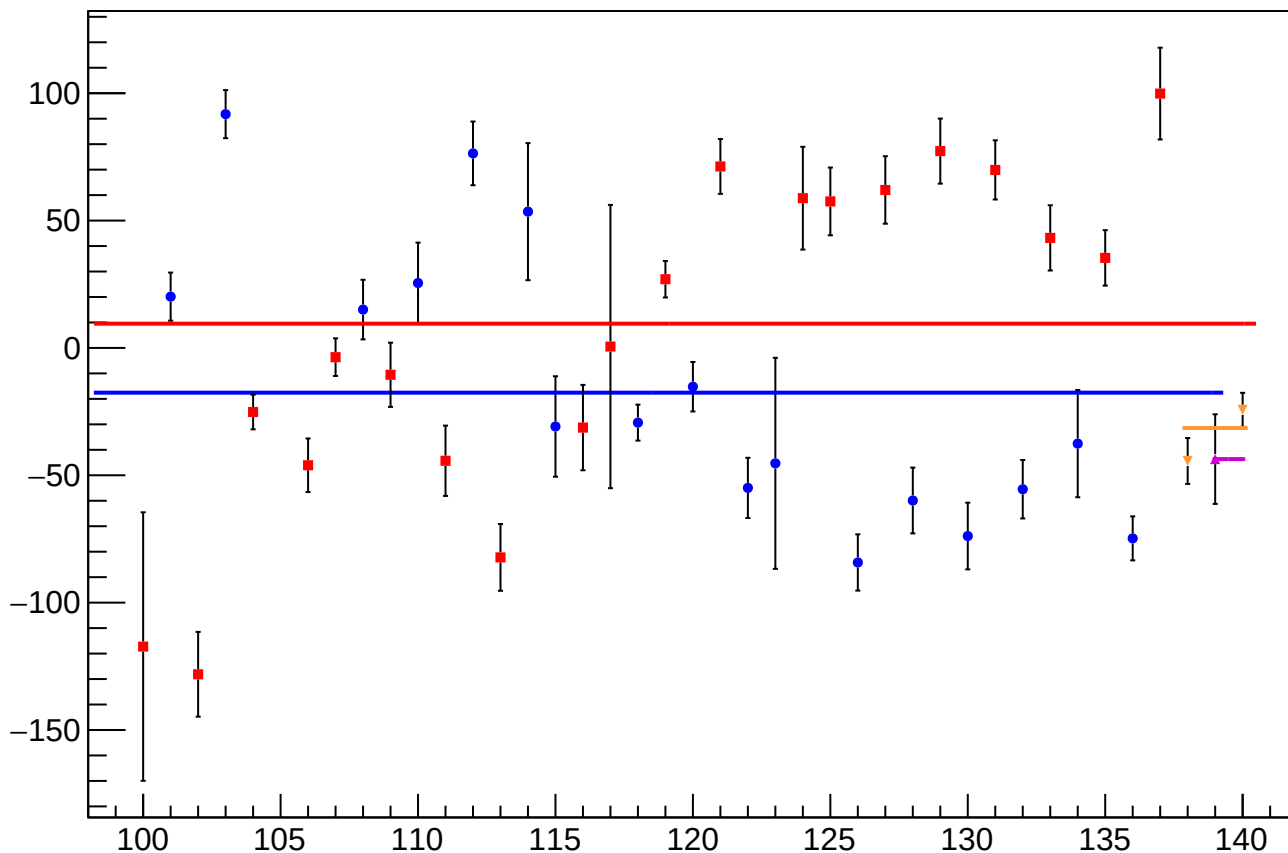
Left In: 511.738 ± 9.823 χ^2/NDF : 0.0/0

-350.907 ± 2.089 χ^2/NDF : 3.1/18

17.114 ± 1.447 χ^2/NDF : 59956.1/39

356.683 ± 2.006 χ^2/NDF : 260.0/20

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: -31.433 ± 5.369 $\chi^2/\text{NDF}: 3.2/1$

Right Out: 9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

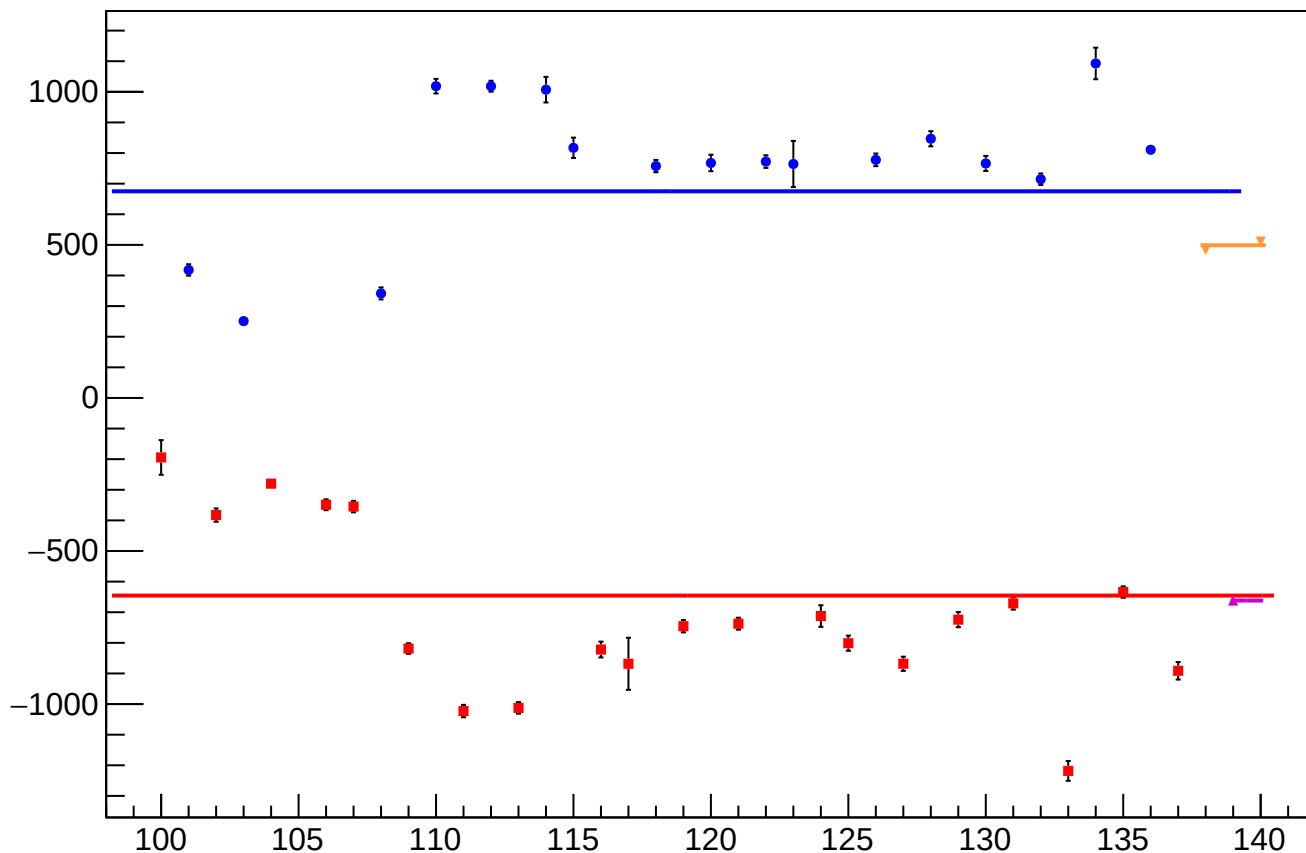
Left In: -43.644 ± 17.591 $\chi^2/\text{NDF}: 0.0/0$

-20.563 ± 2.497 $\chi^2/\text{NDF}: 372.2/18$

-6.550 ± 1.793 $\chi^2/\text{NDF}: 816.5/39$

8.385 ± 2.578 $\chi^2/\text{NDF}: 379.2/20$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 ± 5.067 χ^2/NDF : 2584.3/16

Left Out: 498.739 ± 6.547 χ^2/NDF : 4.3/1

Right Out: -645.613 ± 4.754 χ^2/NDF : 3129.0/19

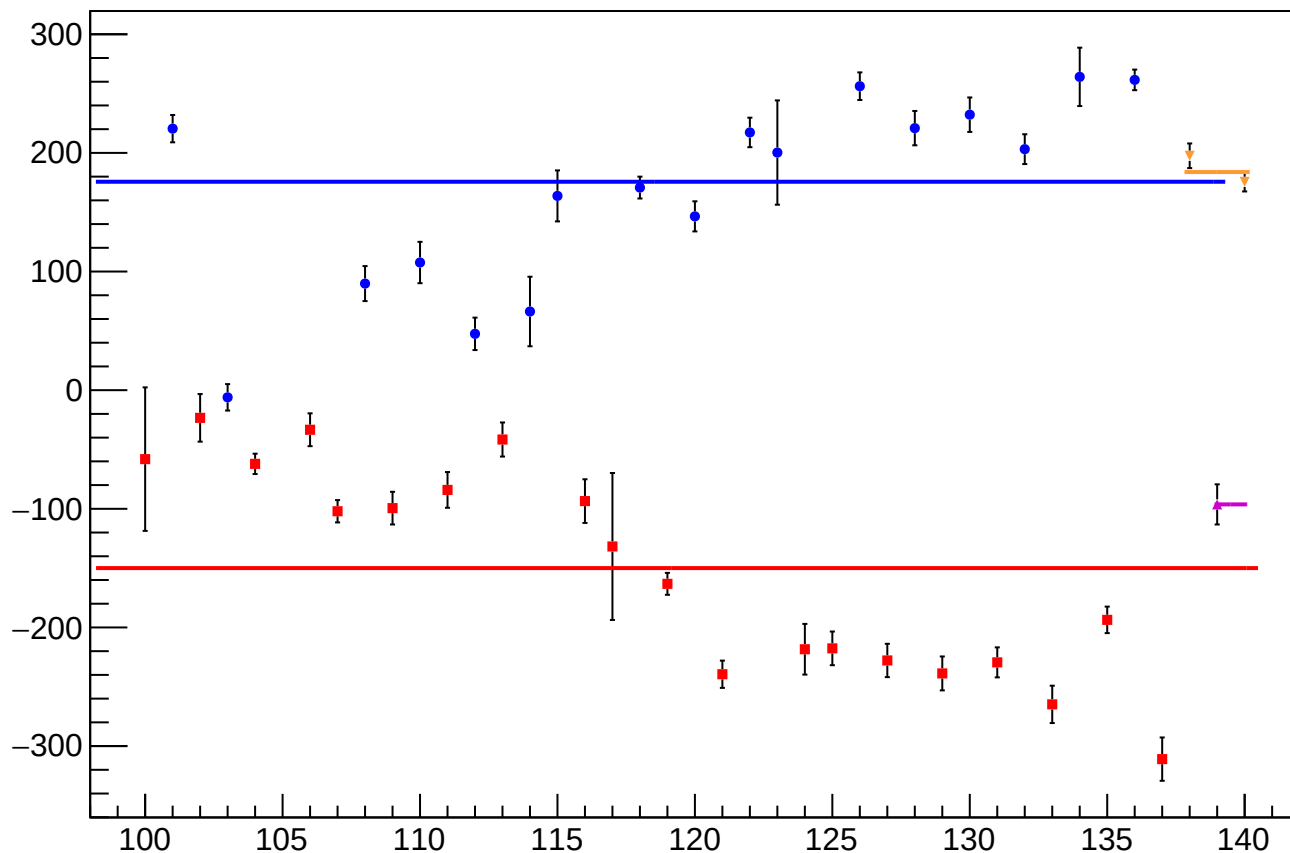
Left In: -661.806 ± 10.644 χ^2/NDF : 0.0/0

608.988 ± 4.007 χ^2/NDF : 3042.2/18

30.481 ± 2.944 χ^2/NDF : 51470.6/39

-648.306 ± 4.341 χ^2/NDF : 3131.0/20

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 183.867 ± 6.376 χ^2/NDF : 2.8/1

Right Out: -149.973 ± 3.038 χ^2/NDF : 693.8/19

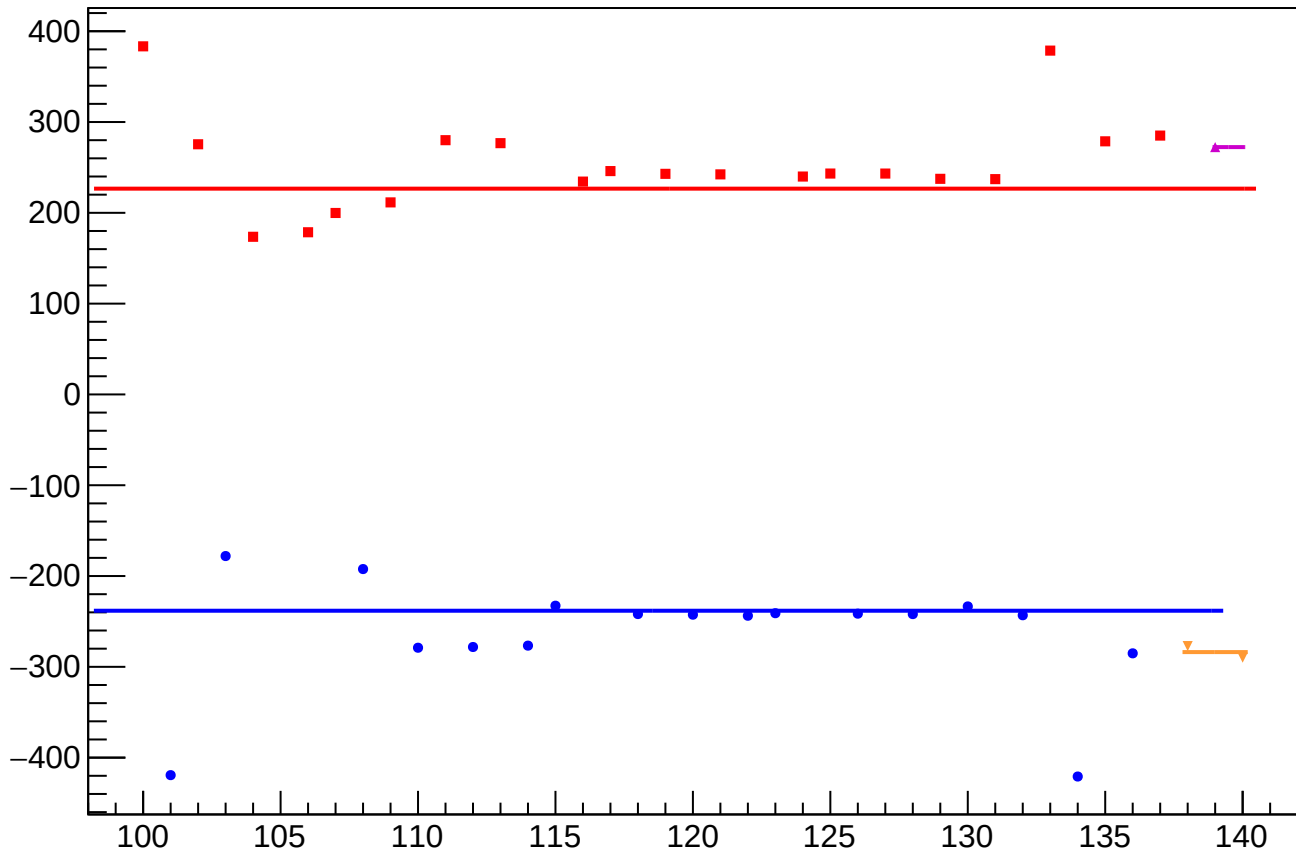
Left In: -96.283 ± 16.925 χ^2/NDF : 0.0/0

177.364 ± 2.887 χ^2/NDF : 642.0/18

20.240 ± 2.077 χ^2/NDF : 7482.7/39

-148.297 ± 2.991 χ^2/NDF : 703.6/20

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 $\pm$ 0.160 χ^2/NDF : 167120.0/16

Left Out: -283.763 $\pm$ 0.274 χ^2/NDF : 537.4/1

Right Out: 226.626 $\pm$ 0.151 χ^2/NDF : 102587.0/19

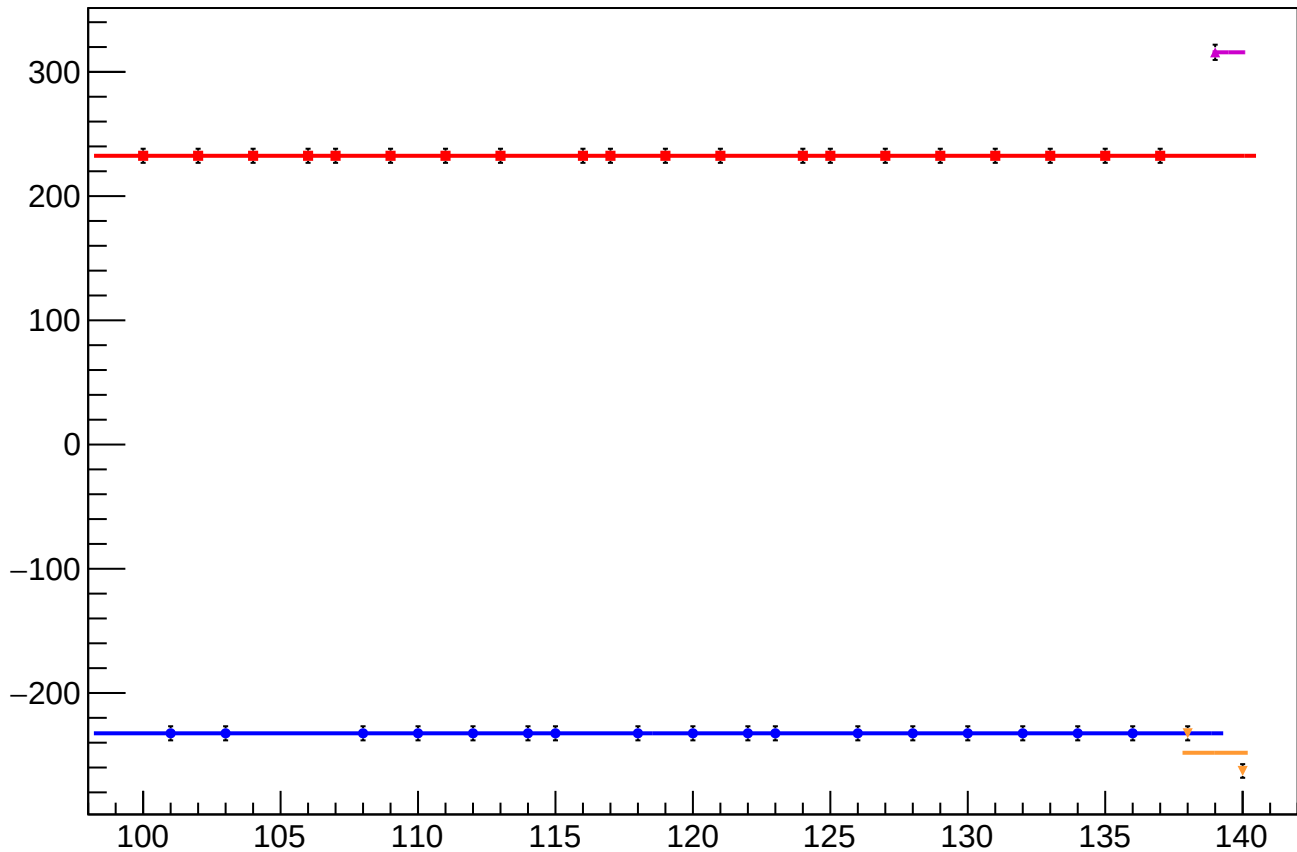
Left In: 272.386 $\pm$ 0.374 χ^2/NDF : 0.0/0

-249.832 $\pm$ 0.138 χ^2/NDF : 188204.0/18

-11.191 $\pm$ 0.098 χ^2/NDF : 6311484.0/39

233.049 $\pm$ 0.140 χ^2/NDF : 115457.6/20

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -232.456+/-1.378 χ^2/NDF : 0.0/16

Left Out: -248.121+/-3.949 χ^2/NDF : 14.7/1

Right Out: 232.456+/-1.270 χ^2/NDF : 0.0/19

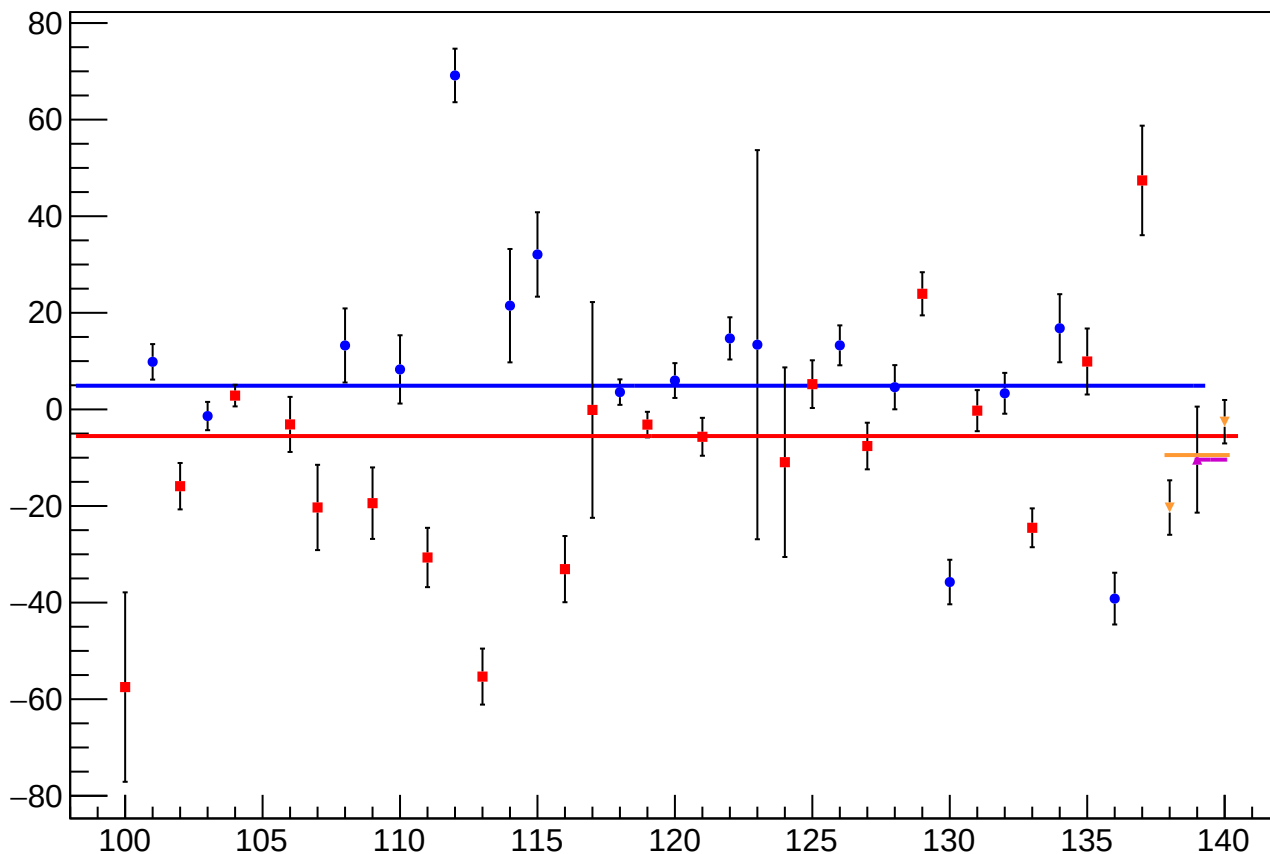
Left In: 315.763+/-6.147 χ^2/NDF : 0.0/0

-234.155+/-1.301 χ^2/NDF : 28.7/18

11.364+/-0.899 χ^2/NDF : 68401.4/39

235.868+/-1.244 χ^2/NDF : 176.2/20

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: -9.452+/-3.517 χ^2/NDF : 6.1/1

Right Out: -5.517+/-1.067 χ^2/NDF : 239.0/19

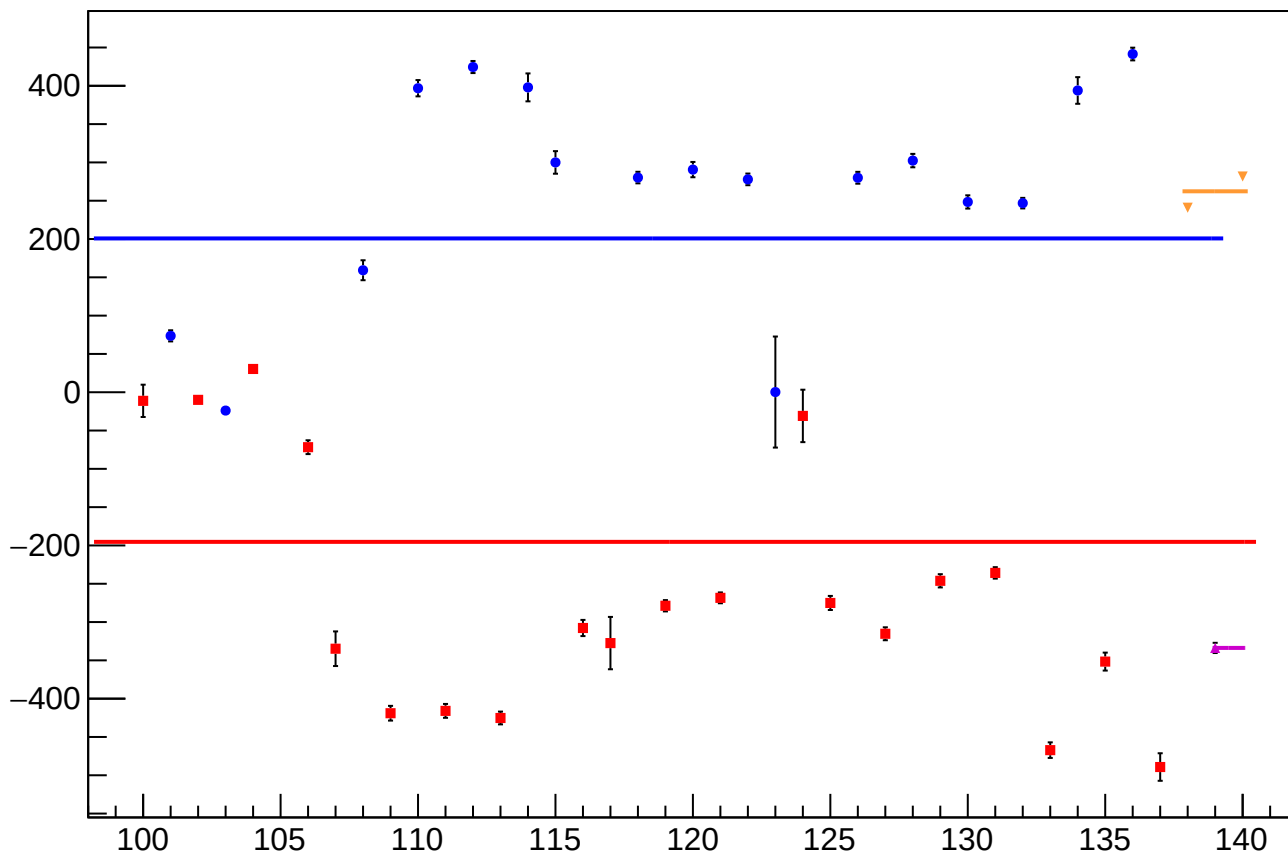
Left In: -10.399+/-10.978 χ^2/NDF : 0.0/0

3.614+/-1.055 χ^2/NDF : 332.9/18

-0.941+/-0.748 χ^2/NDF : 609.7/39

-5.563+/-1.062 χ^2/NDF : 239.2/20

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773 ± 1.983 $\chi^2/\text{NDF}: 6733.0/16$

Left Out: 262.286 ± 4.241 $\chi^2/\text{NDF}: 23.0/1$

Right Out: -195.311 ± 1.921 $\chi^2/\text{NDF}: 8262.1/19$

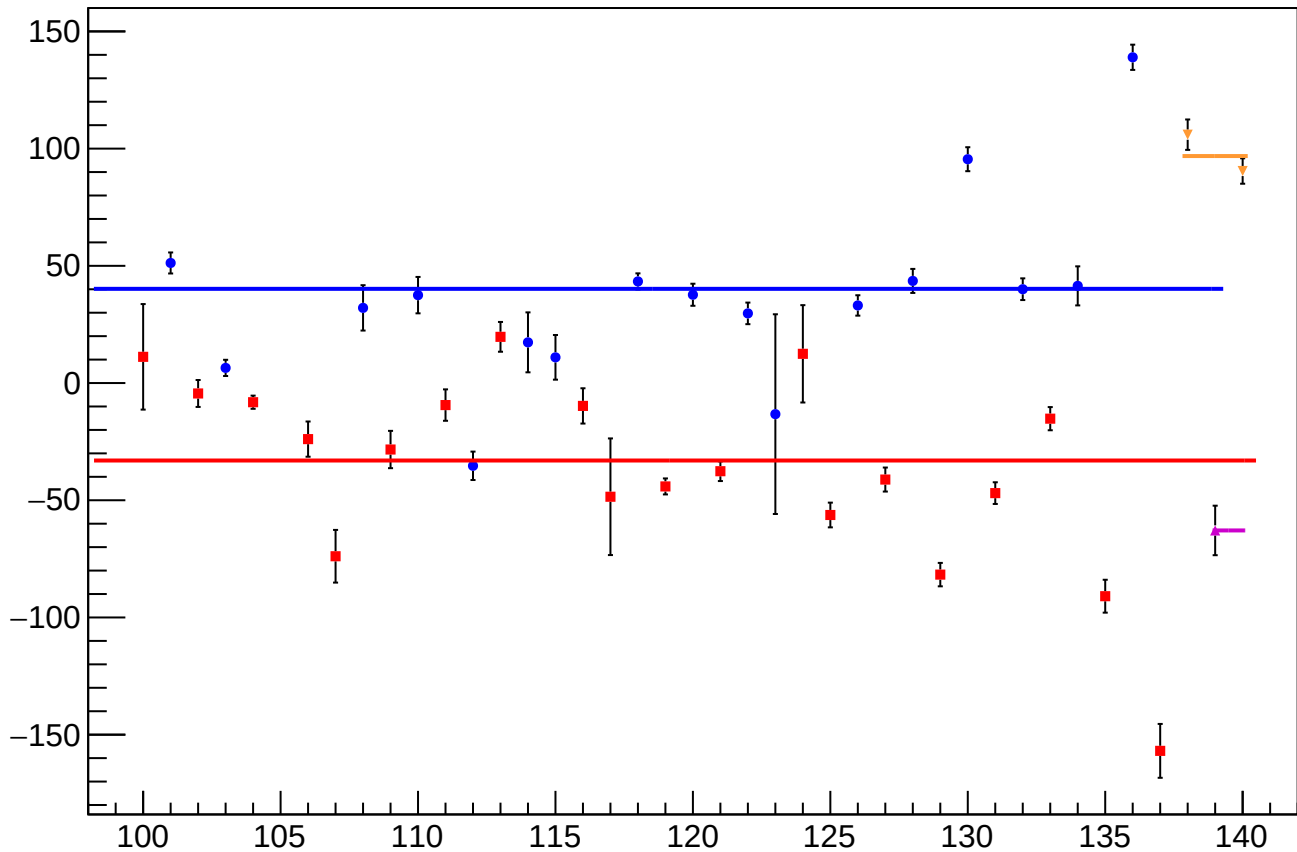
Left In: -333.755 ± 6.664 $\chi^2/\text{NDF}: 0.0/0$

211.809 ± 1.797 $\chi^2/\text{NDF}: 6928.6/18$

8.574 ± 1.287 $\chi^2/\text{NDF}: 41894.2/39$

-205.930 ± 1.846 $\chi^2/\text{NDF}: 8660.6/20$

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185 ± 1.283 χ^2/NDF : 734.6/16

Left Out: 96.828 ± 4.160 χ^2/NDF : 3.4/1

Right Out: -33.045 ± 1.249 χ^2/NDF : 553.1/19

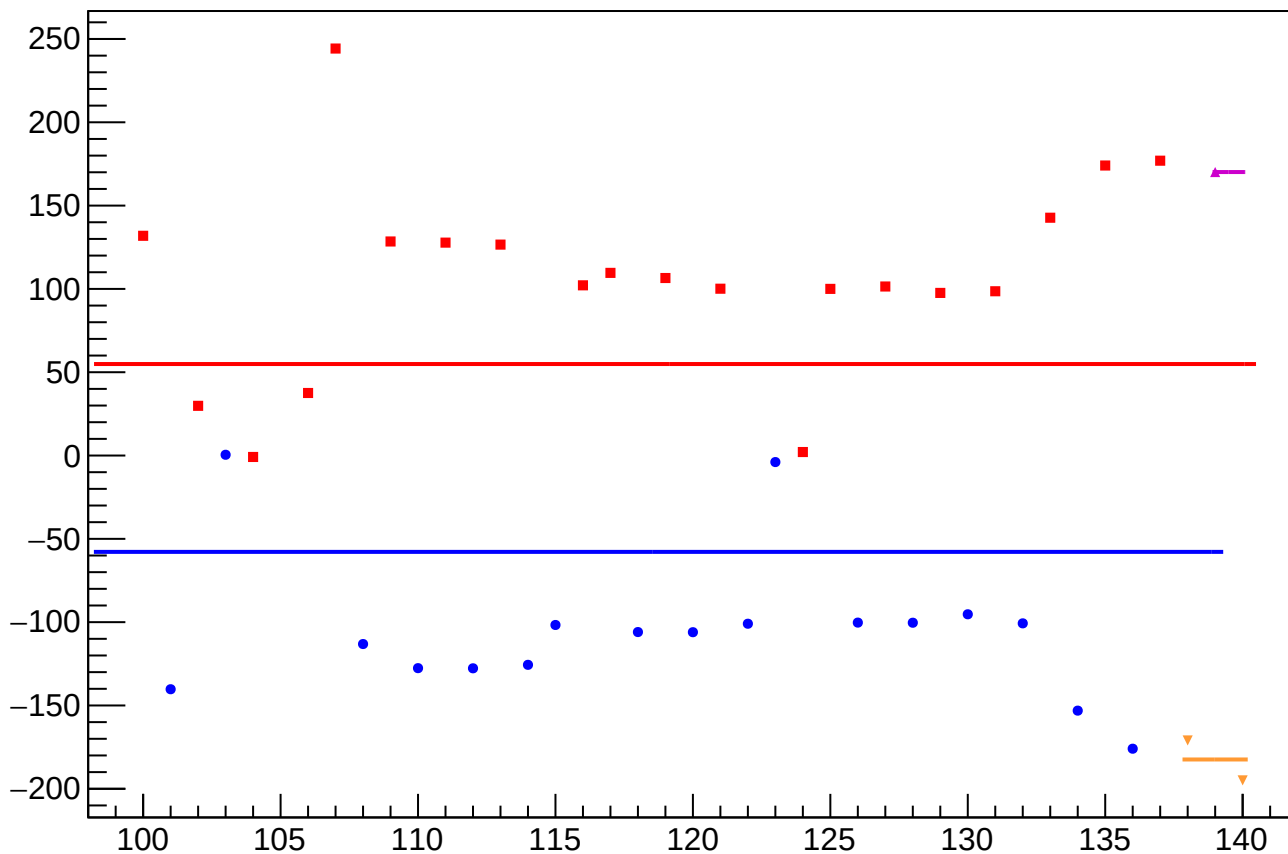
Left In: -62.878 ± 10.560 χ^2/NDF : 0.0/0

45.105 ± 1.226 χ^2/NDF : 907.2/18

6.269 ± 0.872 χ^2/NDF : 3497.4/39

-33.456 ± 1.240 χ^2/NDF : 560.9/20

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -182.414 ± 0.177 $\chi^2/\text{NDF}: 4592.5/1$

Right Out: 54.915 ± 0.060 $\chi^2/\text{NDF}: 1001968.3/19$

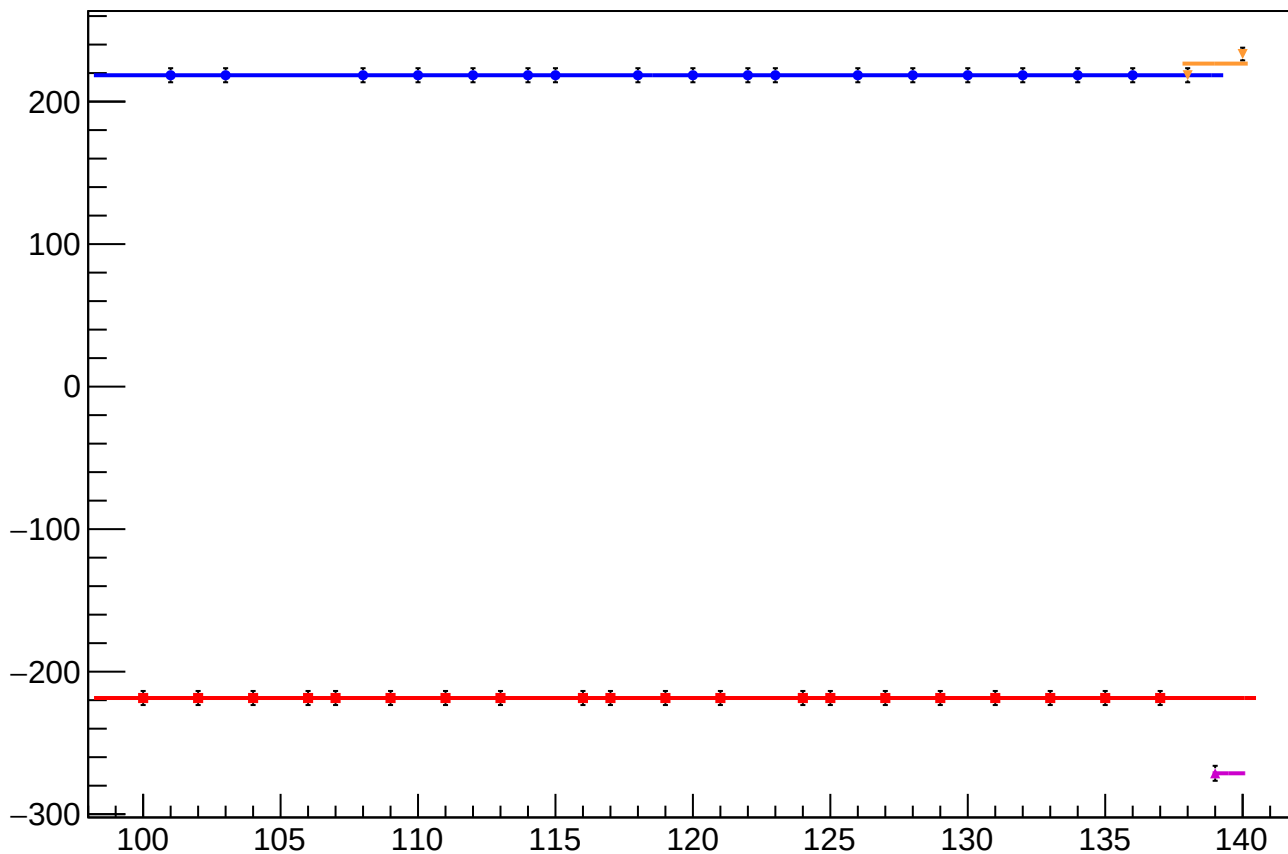
Left In: 170.137 ± 0.233 $\chi^2/\text{NDF}: 0.0/0$

-71.409 ± 0.058 $\chi^2/\text{NDF}: 1549335.4/18$

-4.603 ± 0.041 $\chi^2/\text{NDF}: 5402369.5/39$

62.106 ± 0.058 $\chi^2/\text{NDF}: 1230702.0/20$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 218.484 ± 1.199 χ^2/NDF : 0.0/16

Left Out: 226.651 ± 3.319 χ^2/NDF : 5.0/1

Right Out: -218.484 ± 1.105 χ^2/NDF : 0.0/19

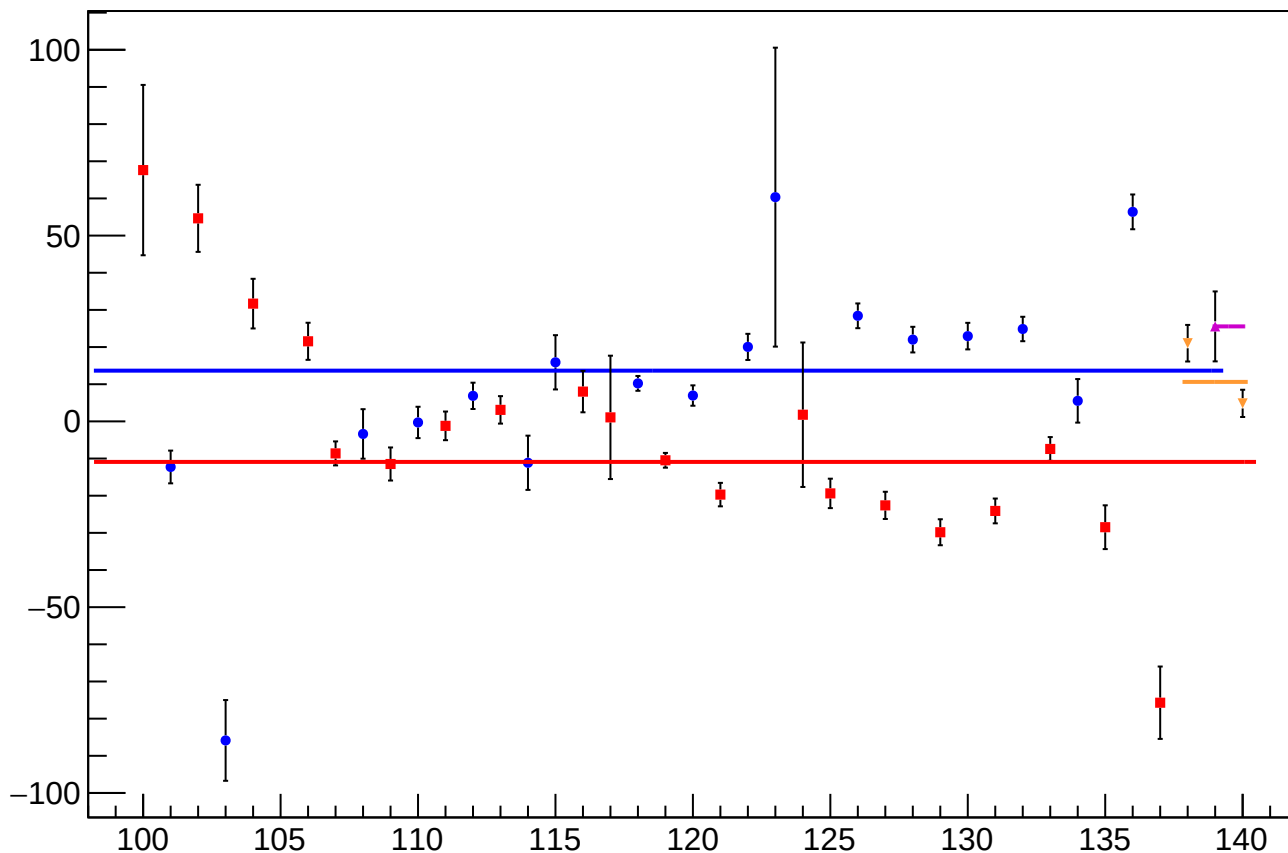
Left In: -271.314 ± 5.259 χ^2/NDF : 0.0/0

219.427 ± 1.128 χ^2/NDF : 10.3/18

-9.782 ± 0.781 χ^2/NDF : 79448.6/39

-220.719 ± 1.082 χ^2/NDF : 96.7/20

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: 10.625 $\pm$ 2.941 χ^2 /NDF: 7.0/1

Right Out: -10.908 $\pm$ 0.912 χ^2 /NDF: 303.1/19

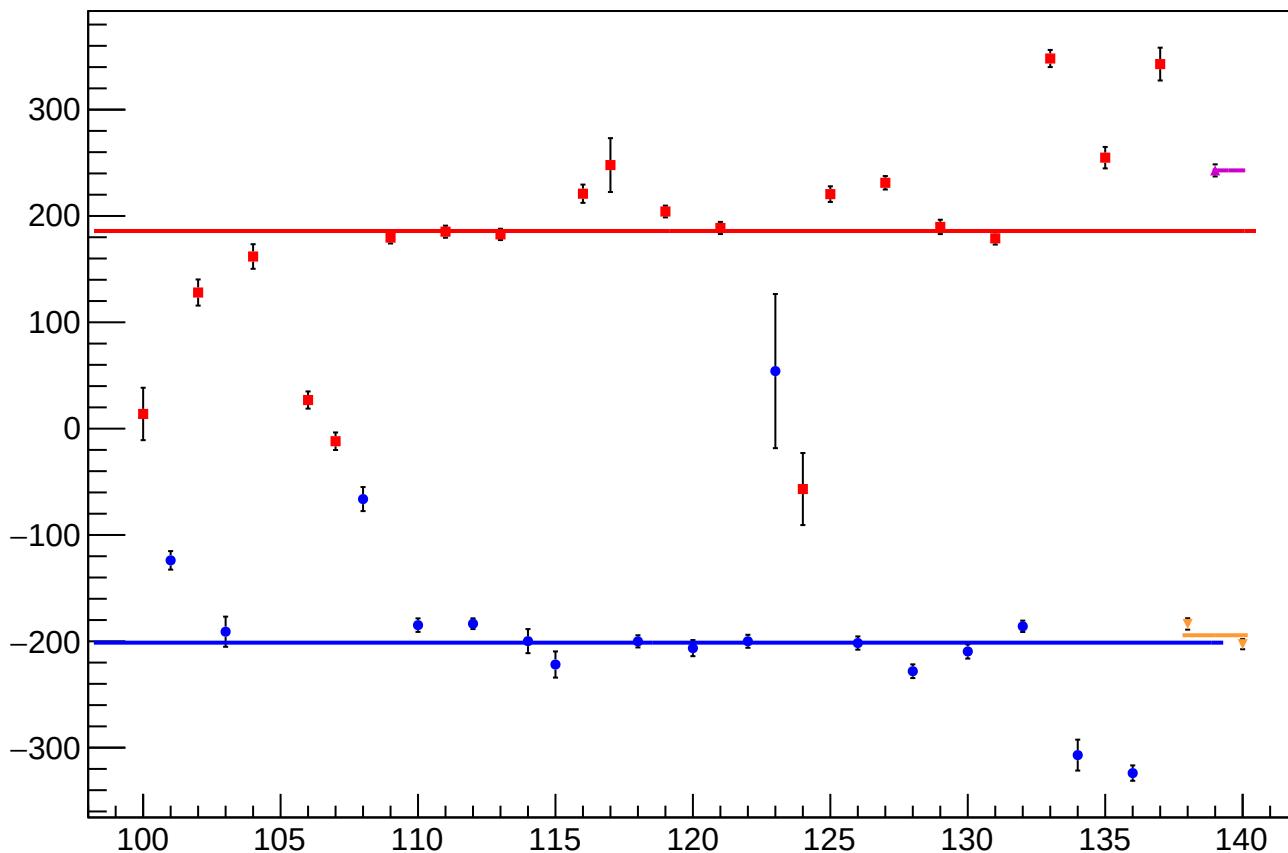
Left In: 25.562 $\pm$ 9.413 χ^2 /NDF: 0.0/0

13.374 $\pm$ 0.892 χ^2 /NDF: 301.9/18

1.608 $\pm$ 0.636 χ^2 /NDF: 973.8/39

-10.569 $\pm$ 0.908 χ^2 /NDF: 317.9/20

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 $\chi^2/\text{NDF}: 623.4/16$

Left Out: -194.295 ± 3.562 $\chi^2/\text{NDF}: 7.0/1$

Right Out: 185.871 ± 1.695 $\chi^2/\text{NDF}: 1752.0/19$

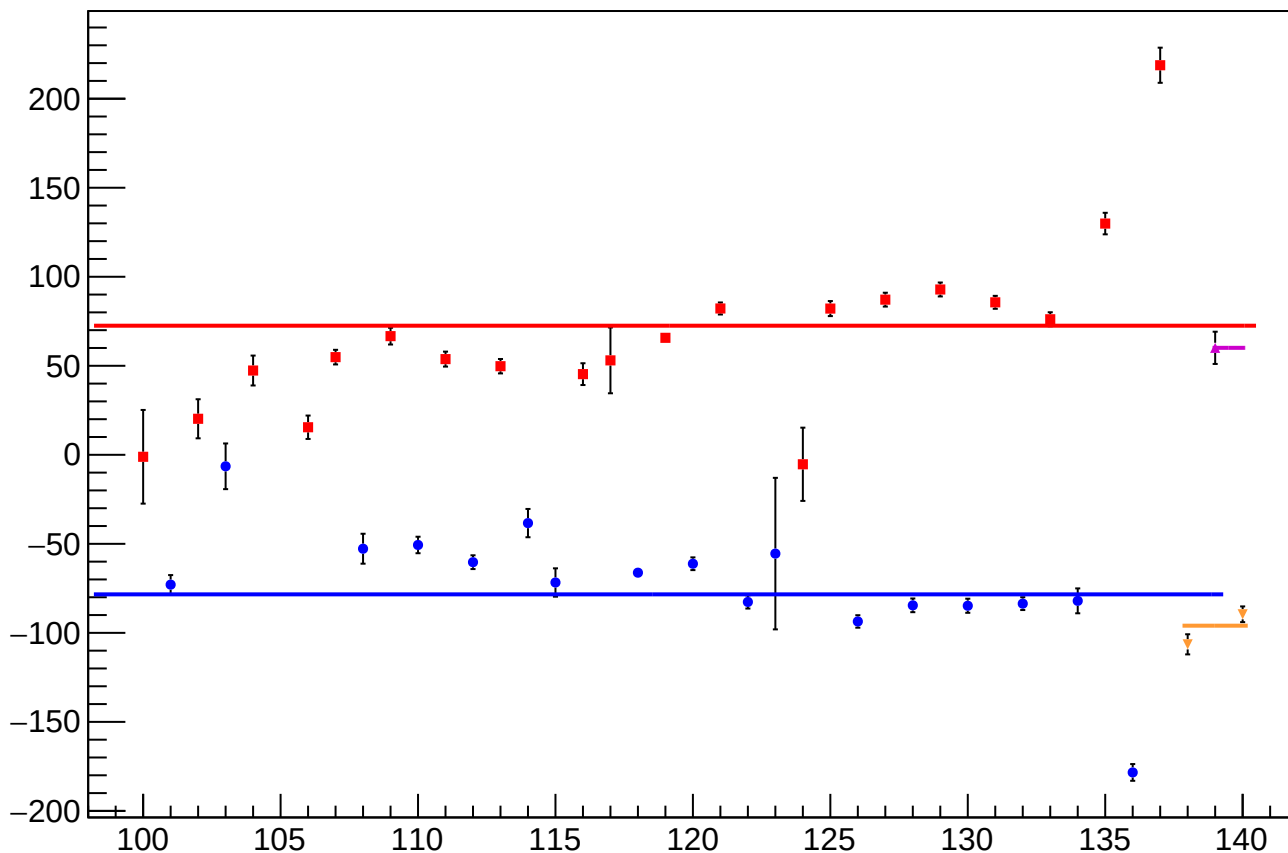
Left In: 242.852 ± 5.699 $\chi^2/\text{NDF}: 0.0/0$

-199.854 ± 1.603 $\chi^2/\text{NDF}: 633.5/18$

-7.315 ± 1.141 $\chi^2/\text{NDF}: 31717.2/39$

190.505 ± 1.625 $\chi^2/\text{NDF}: 1843.9/20$

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: -95.972 ± 3.482 χ^2/NDF : 5.5/1

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

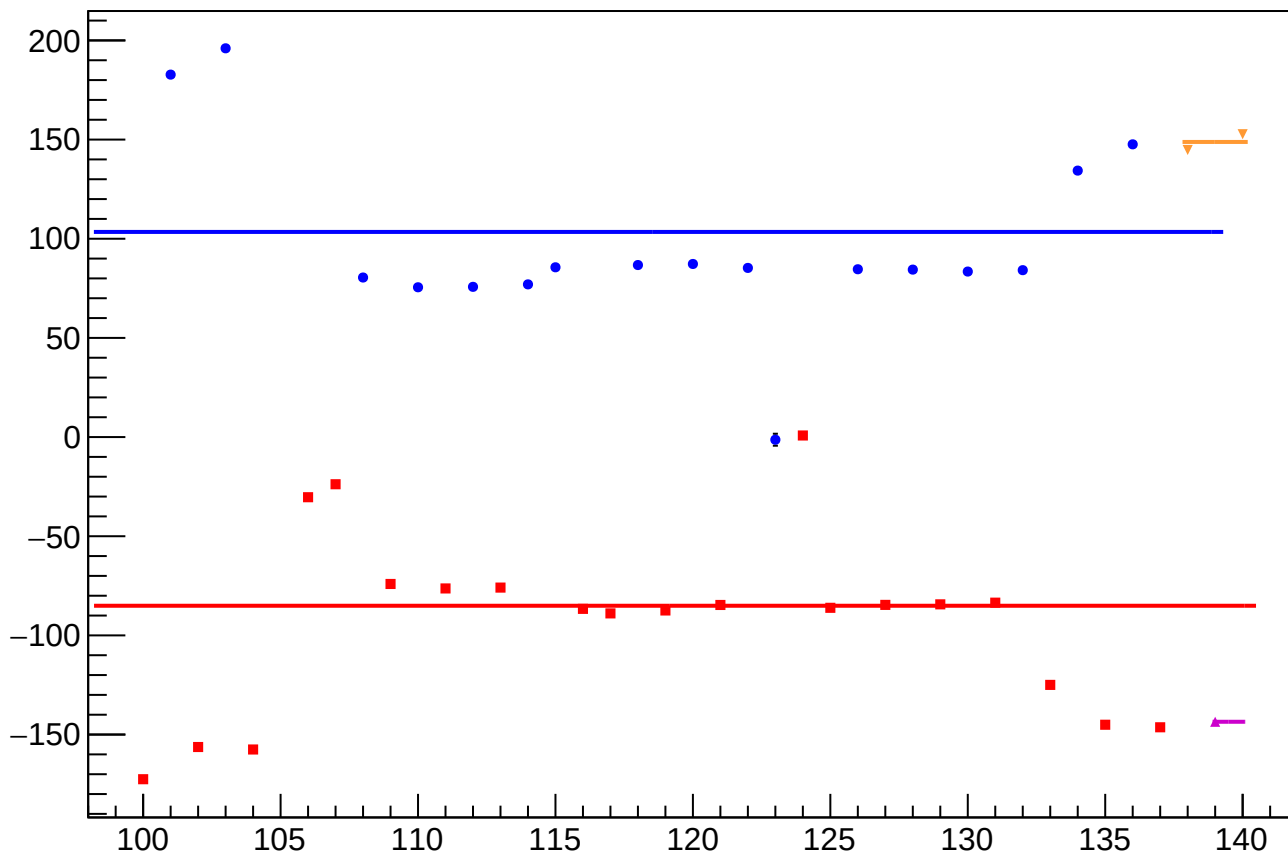
Left In: 60.085 ± 9.056 χ^2/NDF : 0.0/0

-79.923 ± 1.033 χ^2/NDF : 680.2/18

-4.534 ± 0.734 χ^2/NDF : 12052.9/39

72.349 ± 1.043 χ^2/NDF : 608.8/20

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: 148.809 $\pm$ 0.149 χ^2/NDF : 714.1/1

Right Out: -85.054 $\pm$ 0.064 χ^2/NDF : 422354.0/19

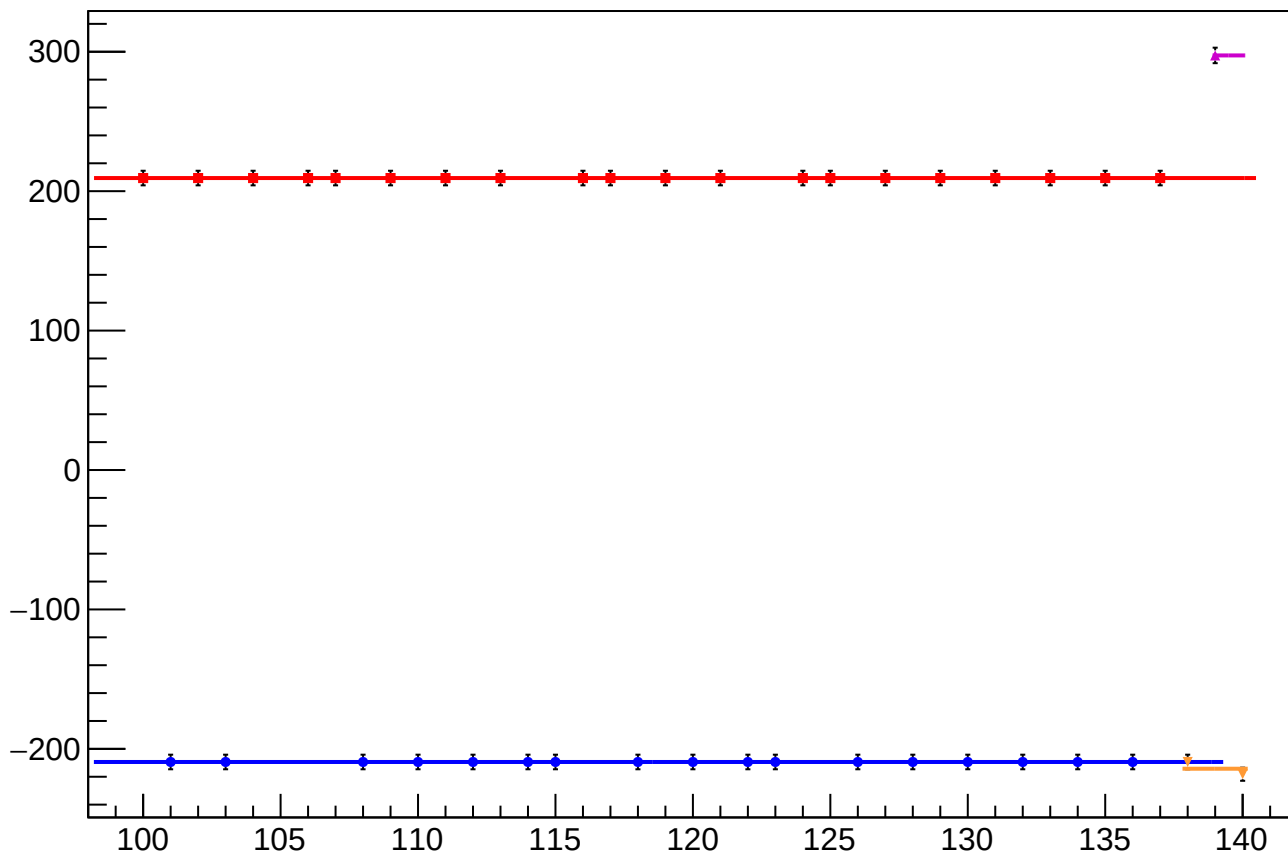
Left In: -143.555 $\pm$ 0.200 χ^2/NDF : 0.0/0

111.841 $\pm$ 0.064 χ^2/NDF : 349406.8/18

5.314 $\pm$ 0.044 χ^2/NDF : 6113560.5/39

-90.426 $\pm$ 0.061 χ^2/NDF : 499937.6/20

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -209.411+/-1.271 χ^2/NDF : 0.0/16

Left Out: -214.247+/-3.509 χ^2/NDF : 1.5/1

Right Out: 209.411+/-1.172 χ^2/NDF : 0.0/19

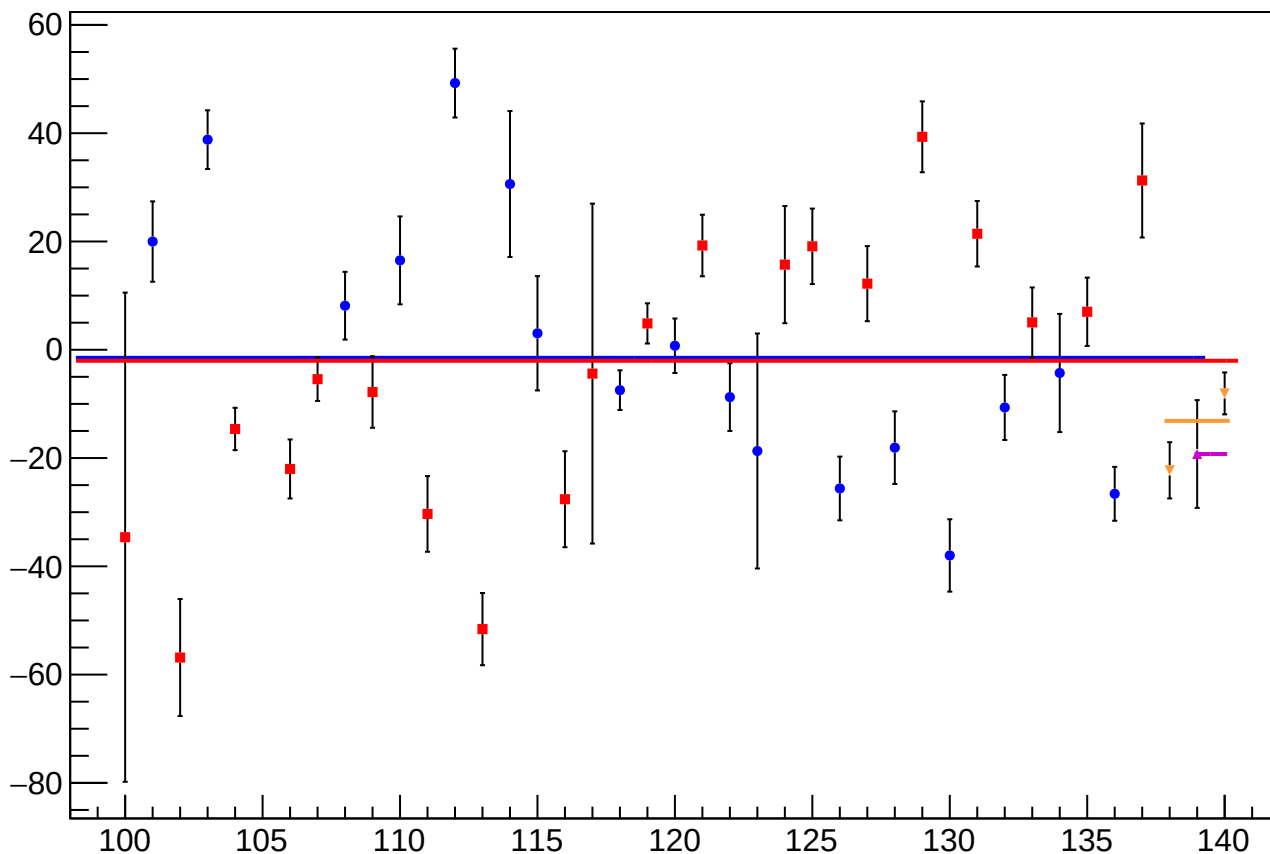
Left In: 297.364+/-5.561 χ^2/NDF : 0.0/0

-209.971+/-1.195 χ^2/NDF : 3.2/18

10.335+/-0.827 χ^2/NDF : 65542.8/39

213.149+/-1.146 χ^2/NDF : 239.5/20

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: -13.134 ± 3.104 χ^2/NDF : 4.8/1

Right Out: -2.032 ± 1.398 χ^2/NDF : 233.3/19

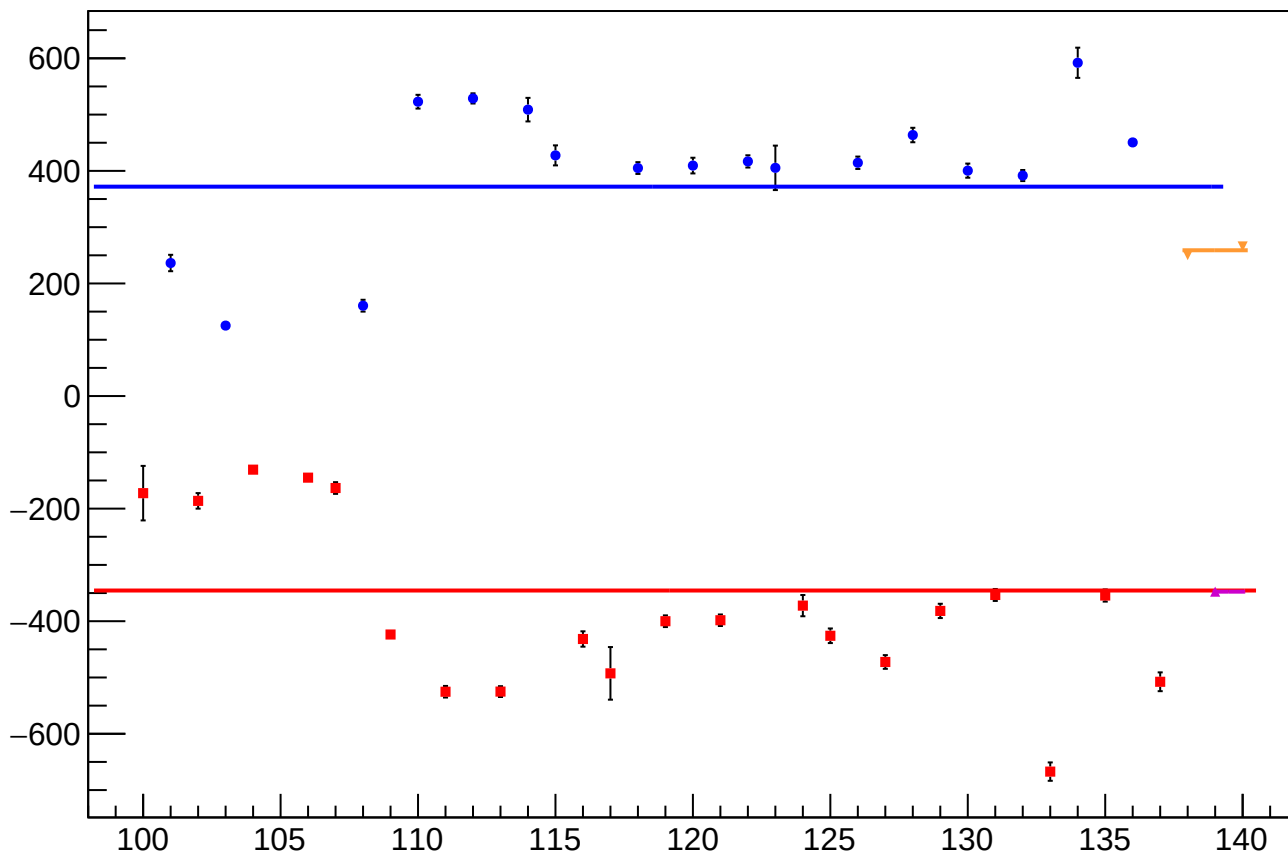
Left In: -19.254 ± 9.954 χ^2/NDF : 0.0/0

-3.781 ± 1.377 χ^2/NDF : 242.1/18

-3.077 ± 0.976 χ^2/NDF : 478.8/39

-2.365 ± 1.385 χ^2/NDF : 236.2/20

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: 258.973 ± 3.766 χ^2/NDF : 4.1/1

Right Out: -345.485 ± 2.558 χ^2/NDF : 3425.1/19

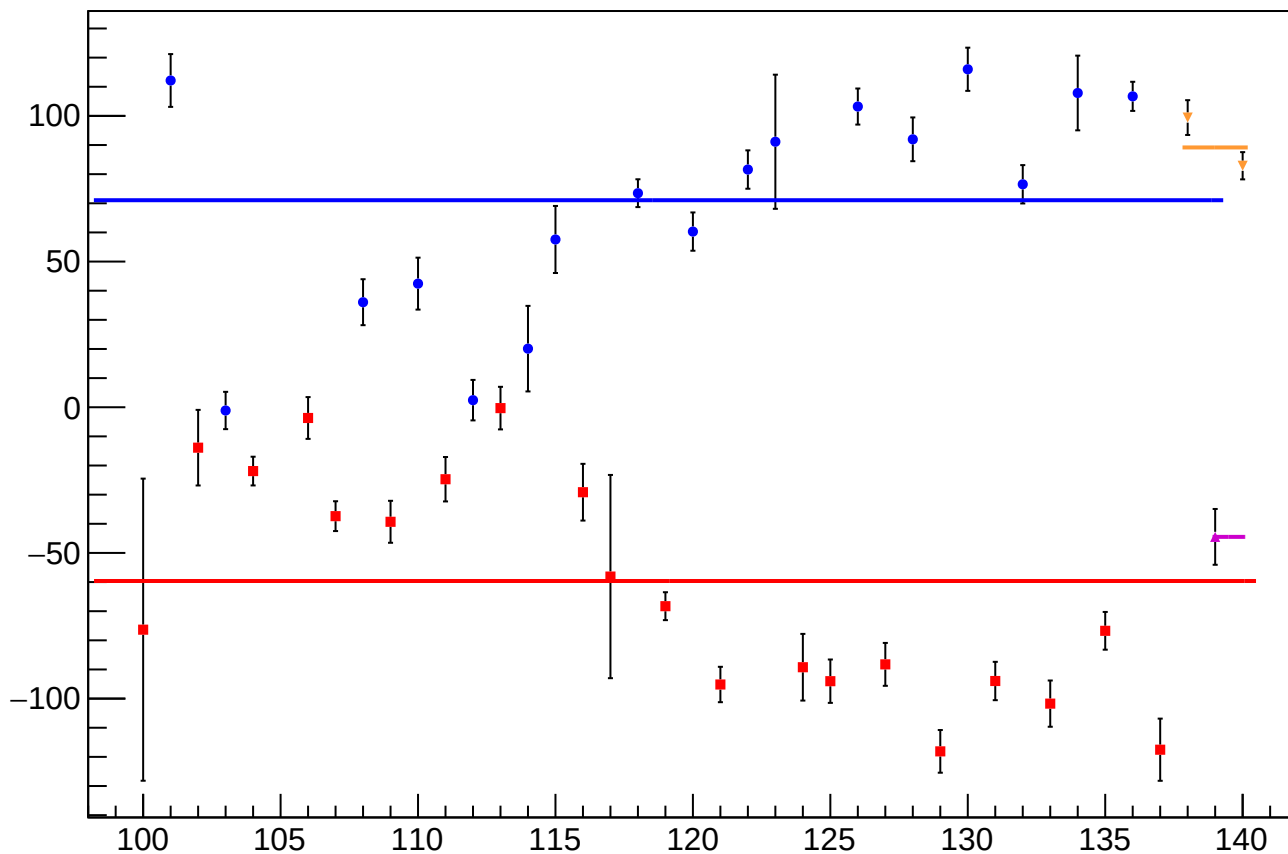
Left In: -347.512 ± 6.027 χ^2/NDF : 0.0/0

332.161 ± 2.235 χ^2/NDF : 3019.8/18

10.811 ± 1.621 χ^2/NDF : 50042.6/39

-345.794 ± 2.355 χ^2/NDF : 3425.2/20

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: 89.167 $\pm$ 3.681 χ^2/NDF : 4.8/1

Right Out: -59.634 $\pm$ 1.629 χ^2/NDF : 491.6/19

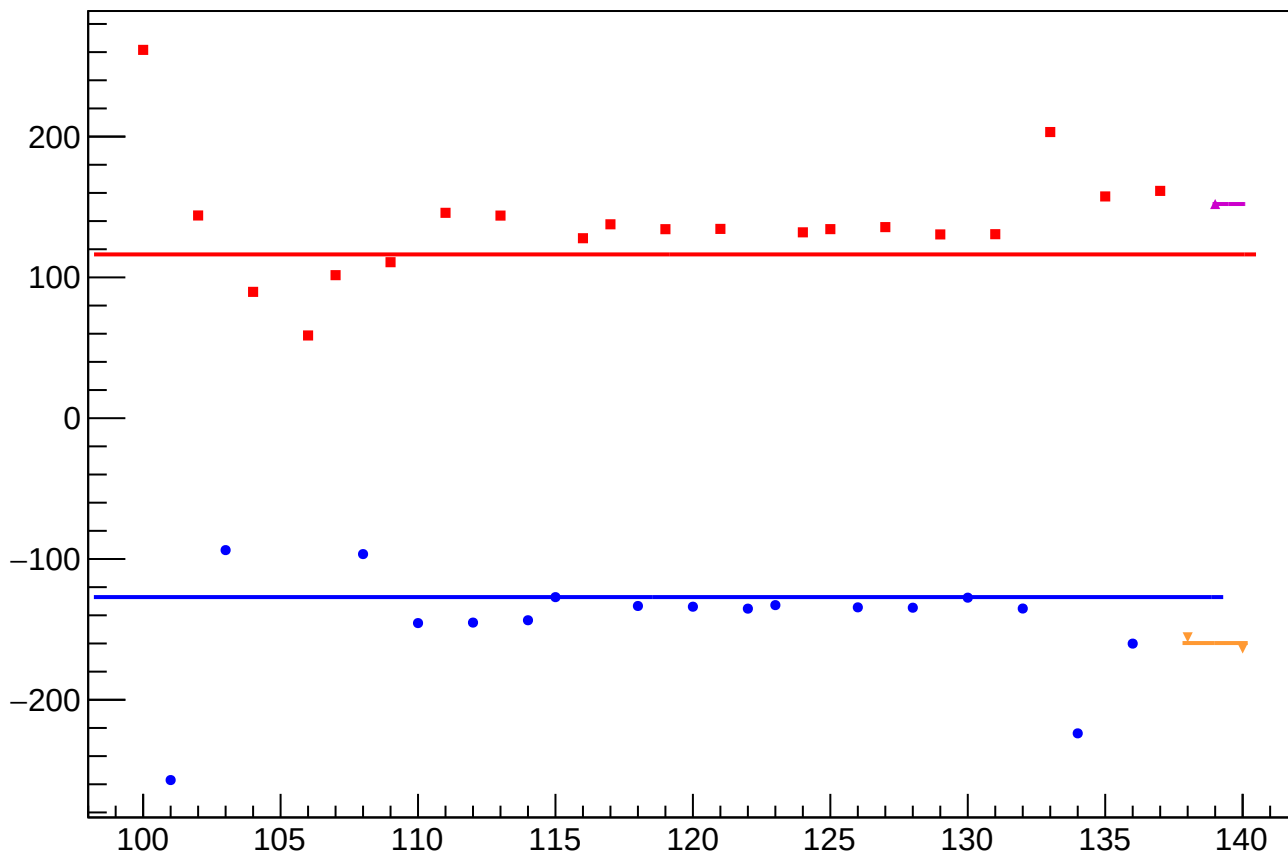
Left In: -44.490 $\pm$ 9.577 χ^2/NDF : 0.0/0

74.438 $\pm$ 1.591 χ^2/NDF : 450.6/18

8.259 $\pm$ 1.130 χ^2/NDF : 4439.6/39

-59.208 $\pm$ 1.606 χ^2/NDF : 494.1/20

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: -159.696+/-0.158 χ^2/NDF : 635.0/1

Right Out: 116.327+/-0.083 χ^2/NDF : 167208.7/19

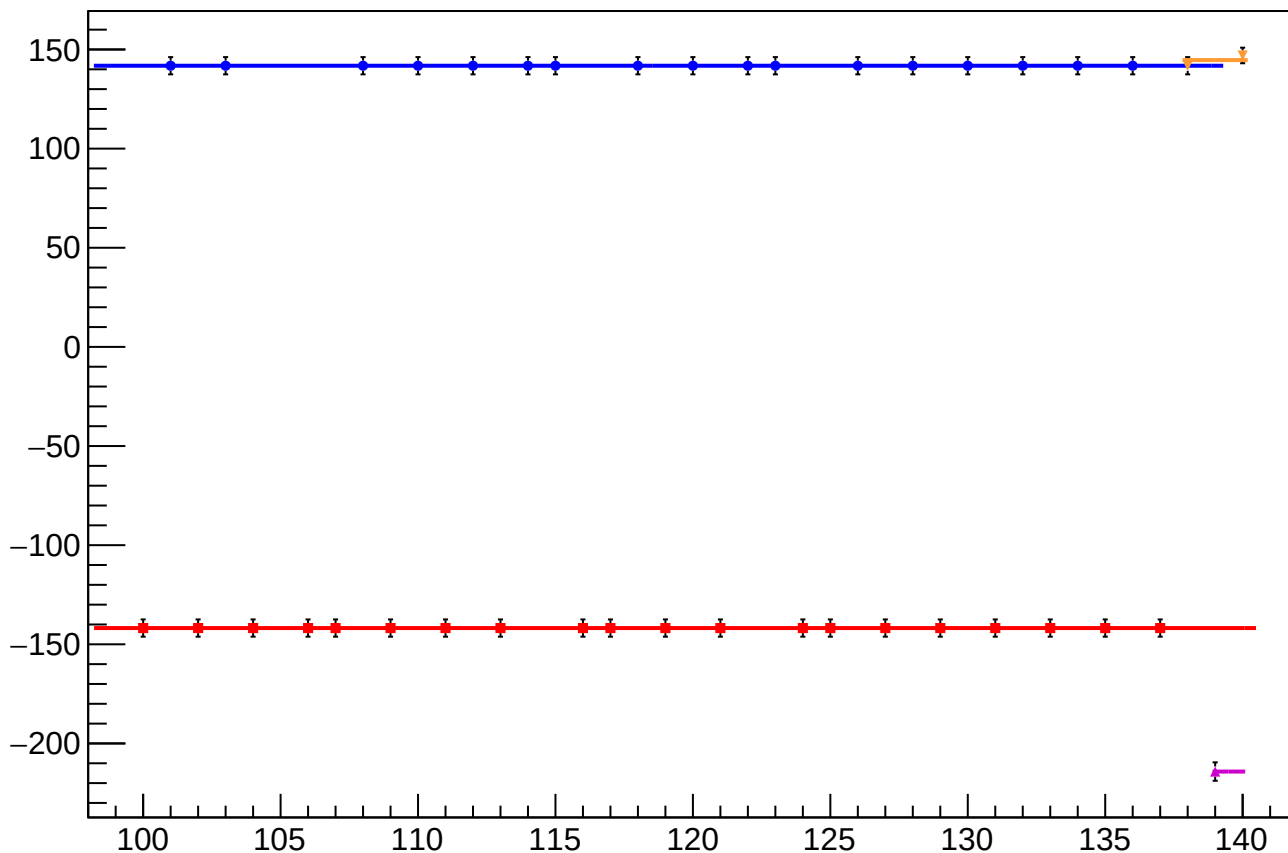
Left In: 152.118+/-0.212 χ^2/NDF : 0.0/0

-135.051+/-0.078 χ^2/NDF : 200061.3/18

-5.657+/-0.055 χ^2/NDF : 5839313.2/39

121.094+/-0.077 χ^2/NDF : 192020.5/20

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 141.803 $\pm$ 1.055 χ^2/NDF : 0.0/16

Left Out: 144.655 $\pm$ 2.917 χ^2/NDF : 0.8/1

Right Out: -141.803 $\pm$ 0.973 χ^2/NDF : 0.0/19

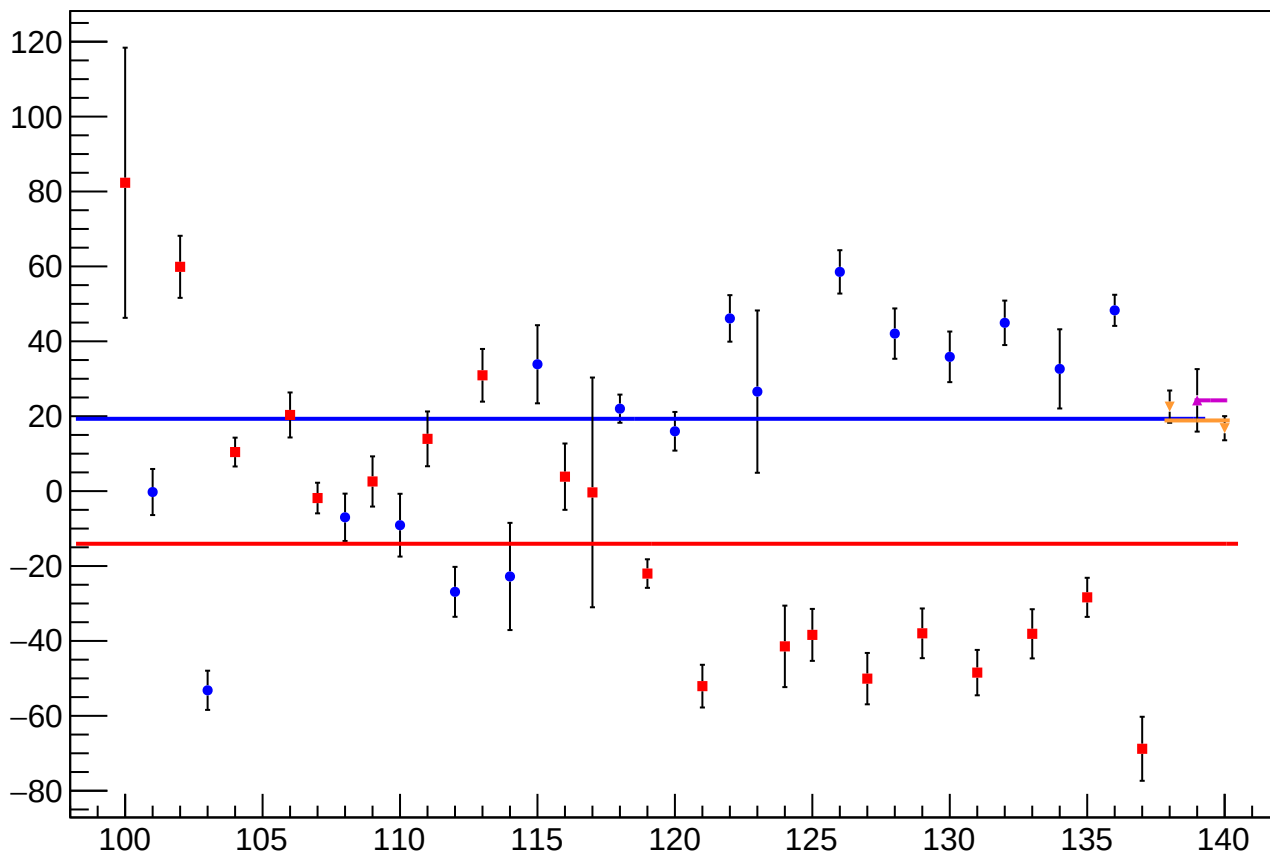
Left In: -214.181 $\pm$ 4.657 χ^2/NDF : 0.0/0

142.133 $\pm$ 0.992 χ^2/NDF : 1.6/18

-7.244 $\pm$ 0.687 χ^2/NDF : 43753.8/39

-144.831 $\pm$ 0.952 χ^2/NDF : 231.5/20

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: 18.867+/-2.580 χ^2/NDF : 1.1/1

Right Out: -14.055+/-1.388 χ^2/NDF : 437.1/19

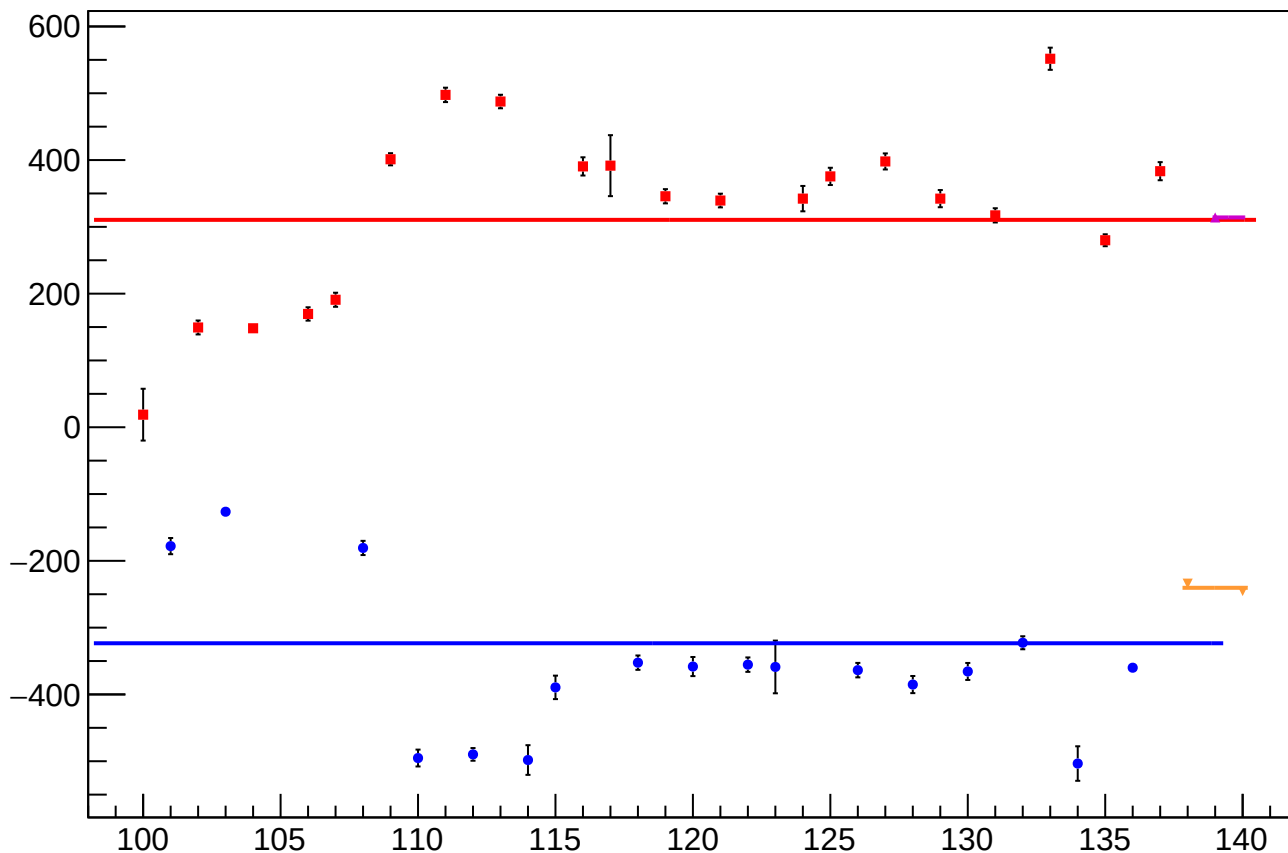
Left In: 24.236+/-8.346 χ^2/NDF : 0.0/0

19.196+/-1.297 χ^2/NDF : 442.4/18

3.961+/-0.942 χ^2/NDF : 1191.8/39

-13.024+/-1.369 χ^2/NDF : 457.6/20

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 $\pm$ 2.684 χ^2 /NDF: 1849.6/16

Left Out: -240.365 $\pm$ 3.131 χ^2 /NDF: 3.1/1

Right Out: 310.484 $\pm$ 2.520 χ^2 /NDF: 2302.0/19

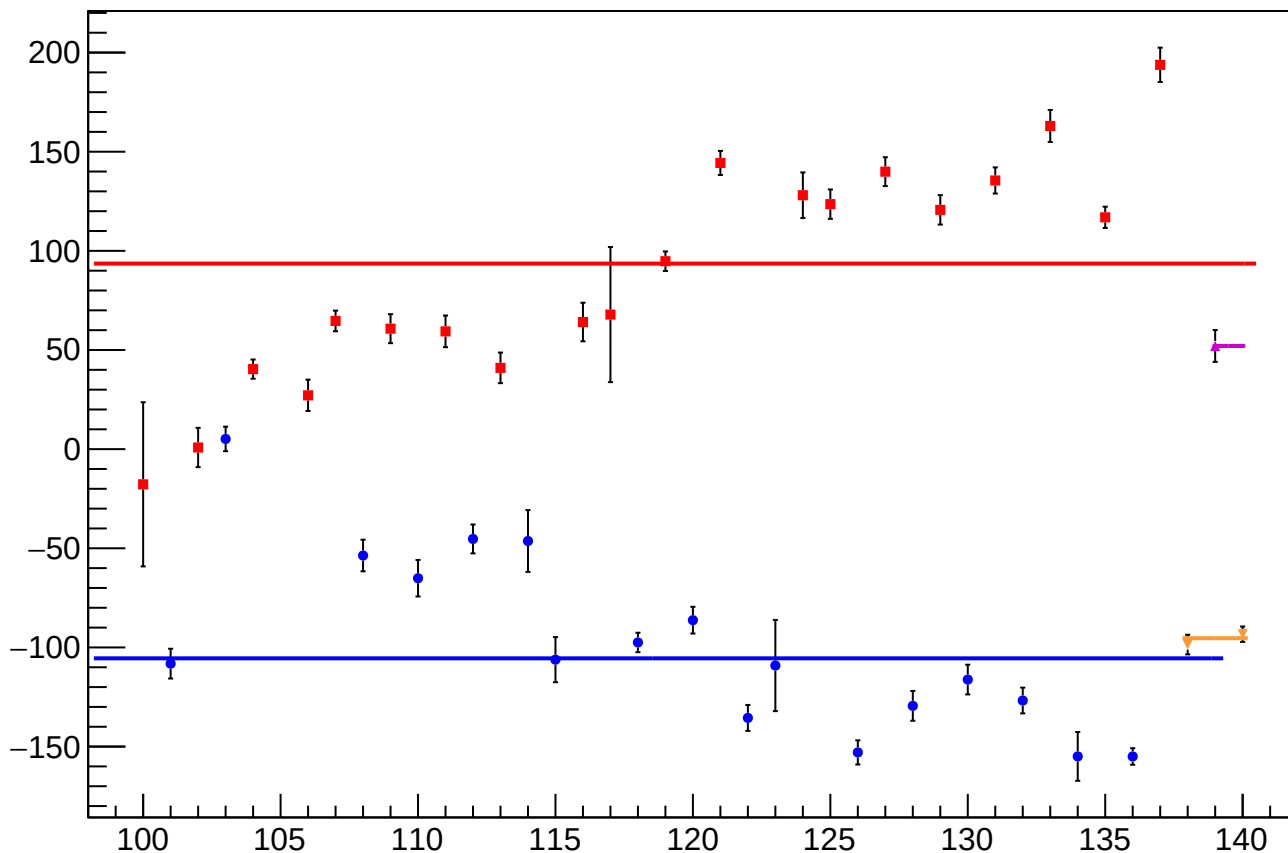
Left In: 314.105 $\pm$ 5.045 χ^2 /NDF: 0.0/0

-288.224 $\pm$ 2.038 χ^2 /NDF: 2258.2/18

-18.666 $\pm$ 1.512 χ^2 /NDF: 43478.2/39

311.207 $\pm$ 2.254 χ^2 /NDF: 2302.4/20

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: -95.333 ± 3.059 χ^2/NDF : 0.7/1

Right Out: 93.579 ± 1.608 χ^2/NDF : 827.7/19

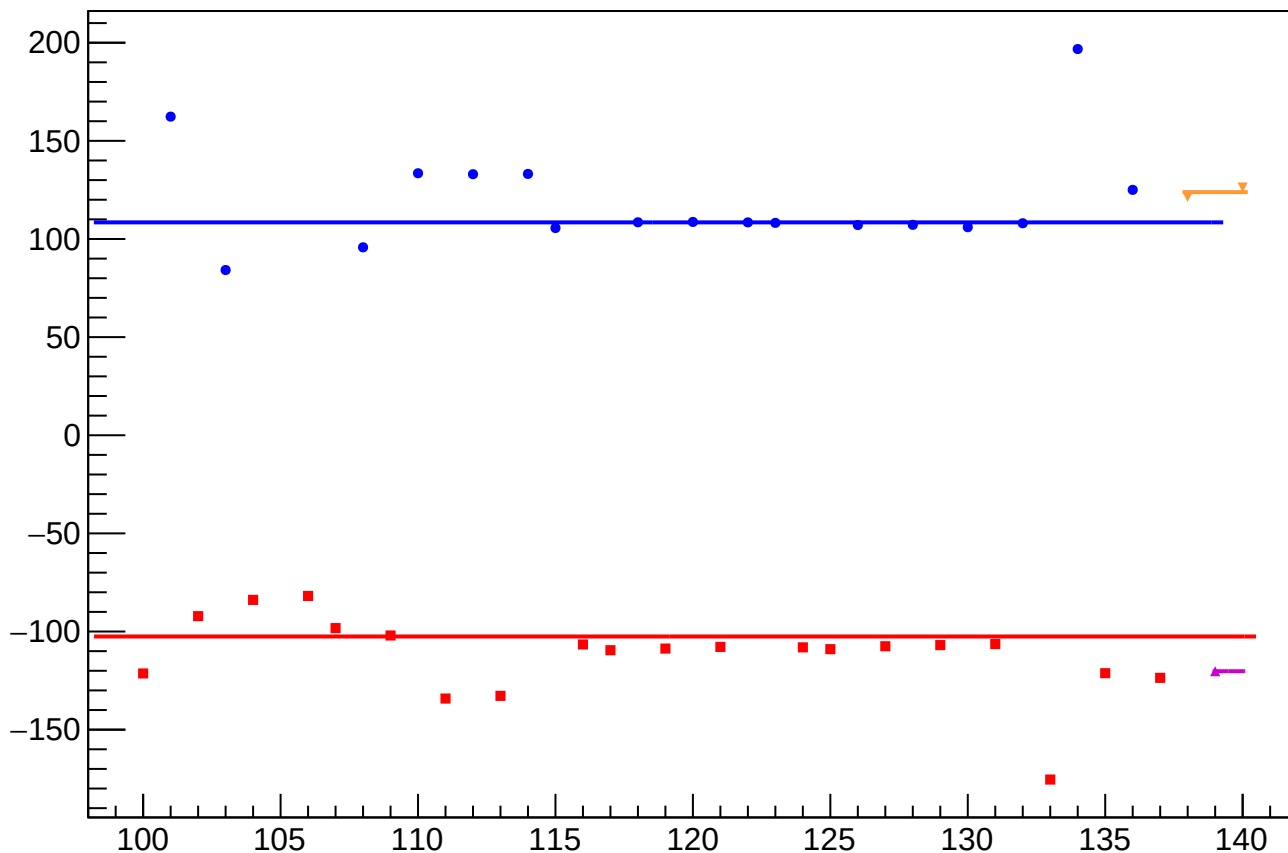
Left In: 52.032 ± 8.031 χ^2/NDF : 0.0/0

-103.073 ± 1.494 χ^2/NDF : 746.4/18

-10.820 ± 1.085 χ^2/NDF : 9661.4/39

91.977 ± 1.577 χ^2/NDF : 853.4/20

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 ± 0.085 χ^2/NDF : 73301.9/16

Left Out: 123.873 ± 0.131 χ^2/NDF : 339.9/1

Right Out: -102.532 ± 0.079 χ^2/NDF : 53003.2/19

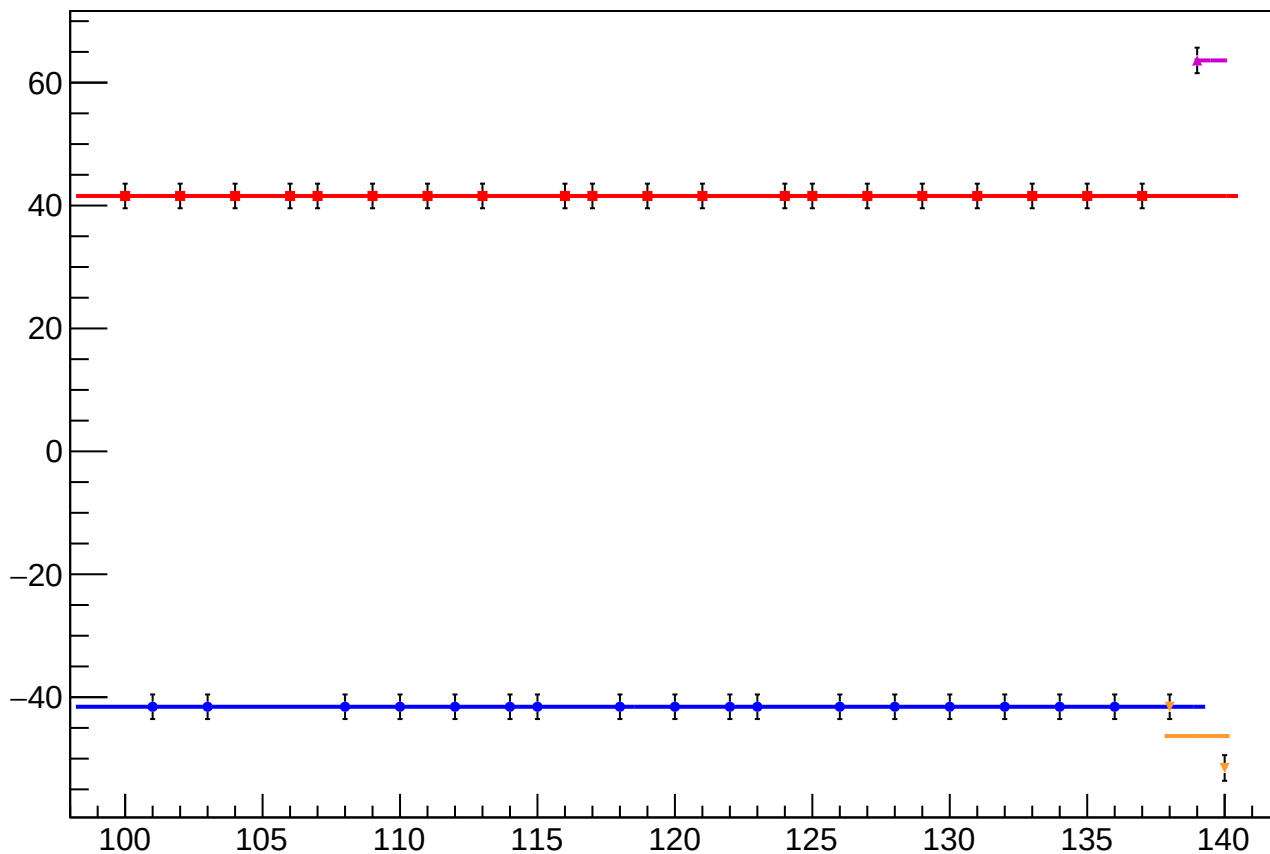
Left In: -120.230 ± 0.177 χ^2/NDF : 0.0/0

113.030 ± 0.071 χ^2/NDF : 83391.8/18

5.678 ± 0.051 χ^2/NDF : 4760226.6/39

-105.489 ± 0.073 χ^2/NDF : 61286.4/20

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -41.558 ± 0.485 χ^2/NDF : 0.0/16

Left Out: -46.327 ± 1.444 χ^2/NDF : 11.9/1

Right Out: 41.558 ± 0.447 χ^2/NDF : 0.0/19

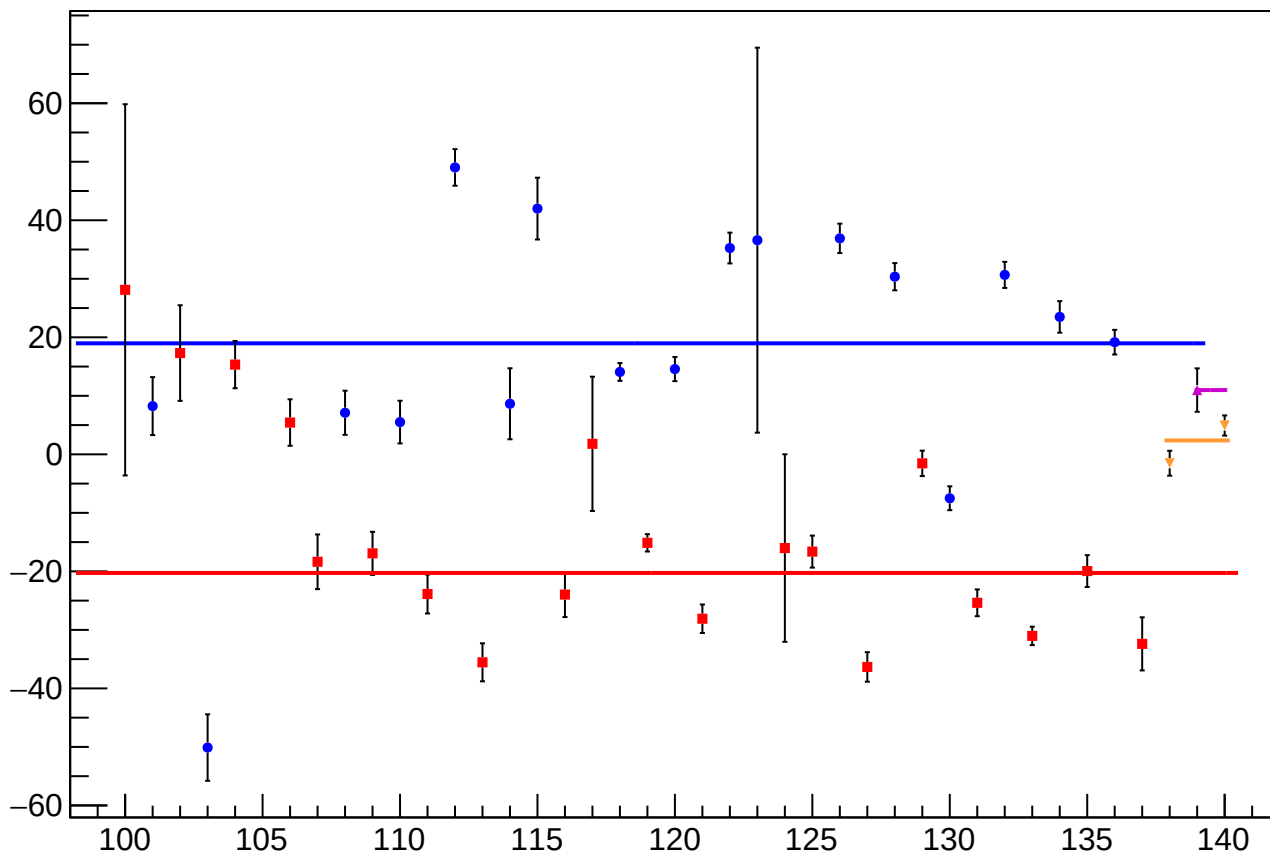
Left In: 63.612 ± 2.076 χ^2/NDF : 0.0/0

-42.042 ± 0.460 χ^2/NDF : 21.7/18

2.381 ± 0.317 χ^2/NDF : 17886.6/39

42.537 ± 0.437 χ^2/NDF : 107.9/20

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: 2.377 ± 1.340 χ^2/NDF : 5.5/1

Right Out: -20.269 ± 0.641 χ^2/NDF : 370.1/19

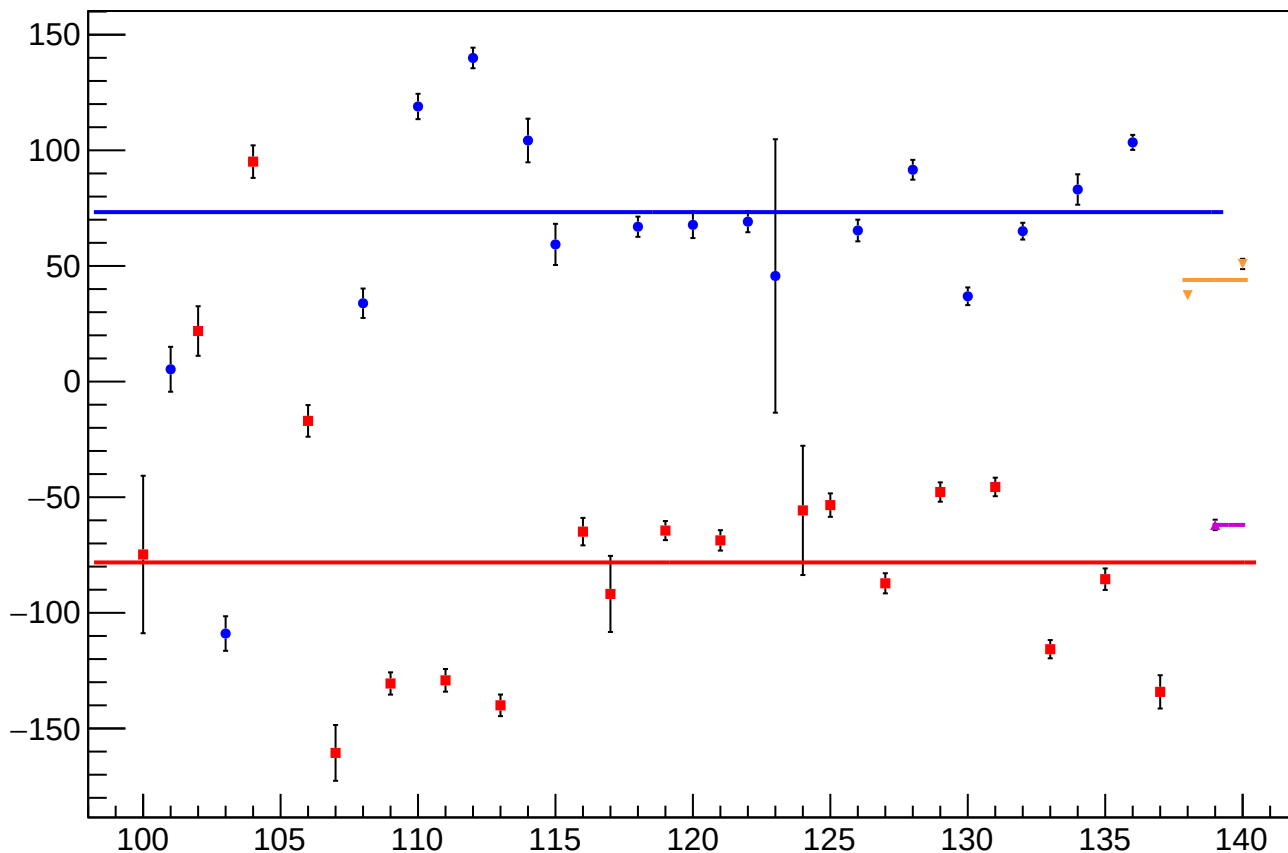
Left In: 10.983 ± 3.712 χ^2/NDF : 0.0/0

15.785 ± 0.587 χ^2/NDF : 747.9/18

-0.498 ± 0.430 χ^2/NDF : 2847.9/39

-19.363 ± 0.632 χ^2/NDF : 438.9/20

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278 ± 1.236 χ^2/NDF : 1198.6/16

Left Out: 43.946 ± 1.553 χ^2/NDF : 18.9/1

Right Out: -78.205 ± 1.219 χ^2/NDF : 1544.0/19

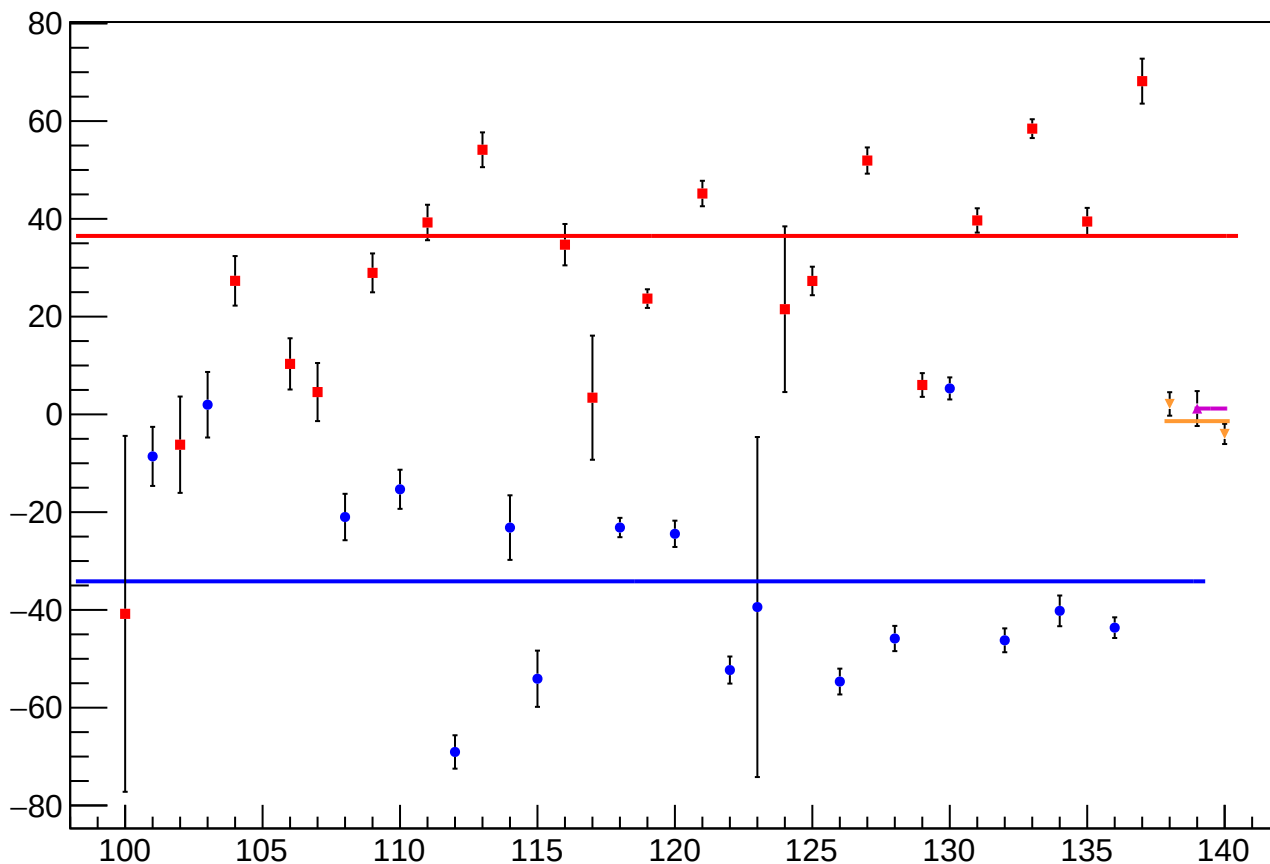
Left In: -61.979 ± 2.250 χ^2/NDF : 0.0/0

61.898 ± 0.967 χ^2/NDF : 1435.9/18

0.668 ± 0.718 χ^2/NDF : 11947.3/39

-74.522 ± 1.072 χ^2/NDF : 1584.2/20

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -1.382 ± 1.568 χ^2/NDF : 3.7/1

Right Out: 36.507 ± 0.735 χ^2/NDF : 553.8/19

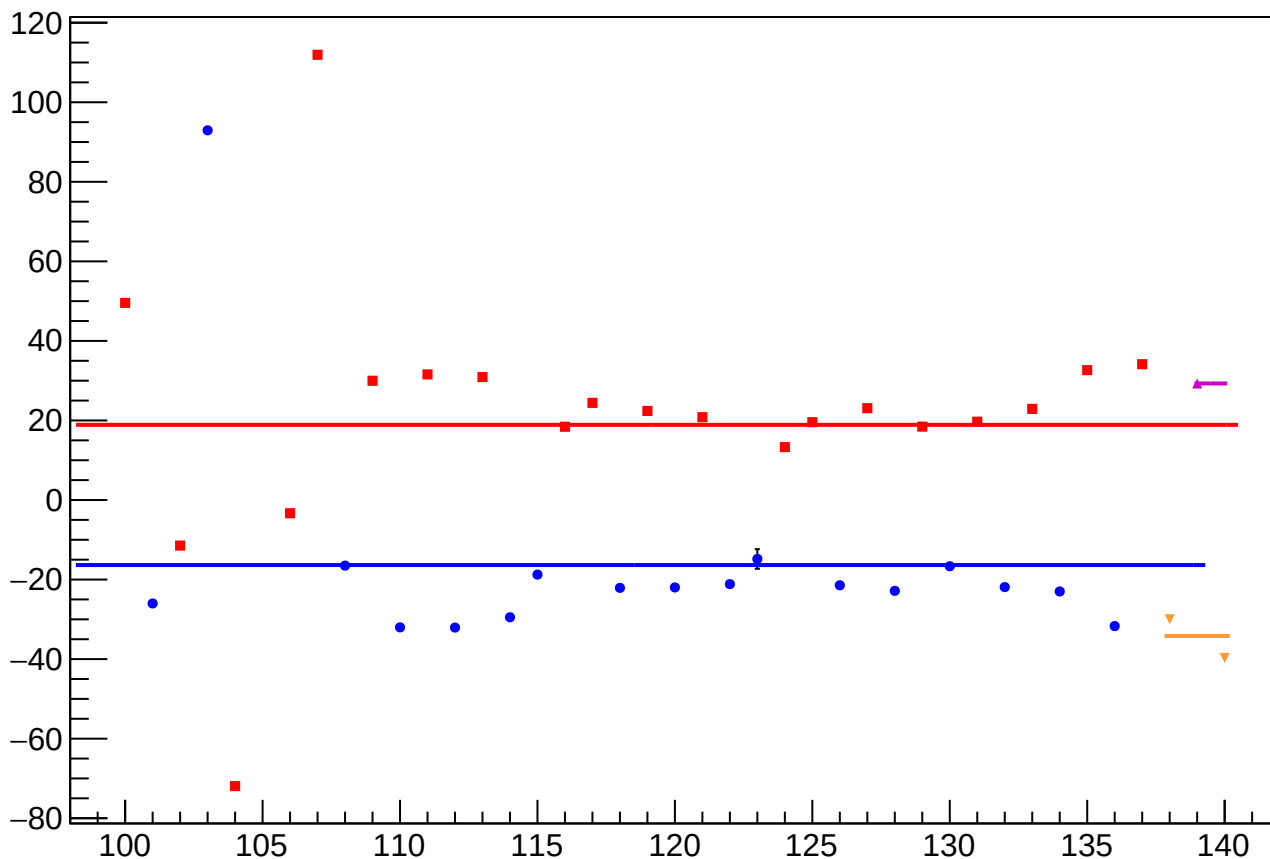
Left In: 1.196 ± 3.571 χ^2/NDF : 0.0/0

-28.117 ± 0.673 χ^2/NDF : 1077.7/18

1.362 ± 0.491 χ^2/NDF : 5841.0/39

35.073 ± 0.719 χ^2/NDF : 647.6/20

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 χ^2/NDF : 474192.3/16

Left Out: -34.188 ± 0.064 χ^2/NDF : 5722.6/1

Right Out: 18.906 ± 0.045 χ^2/NDF : 433847.1/19

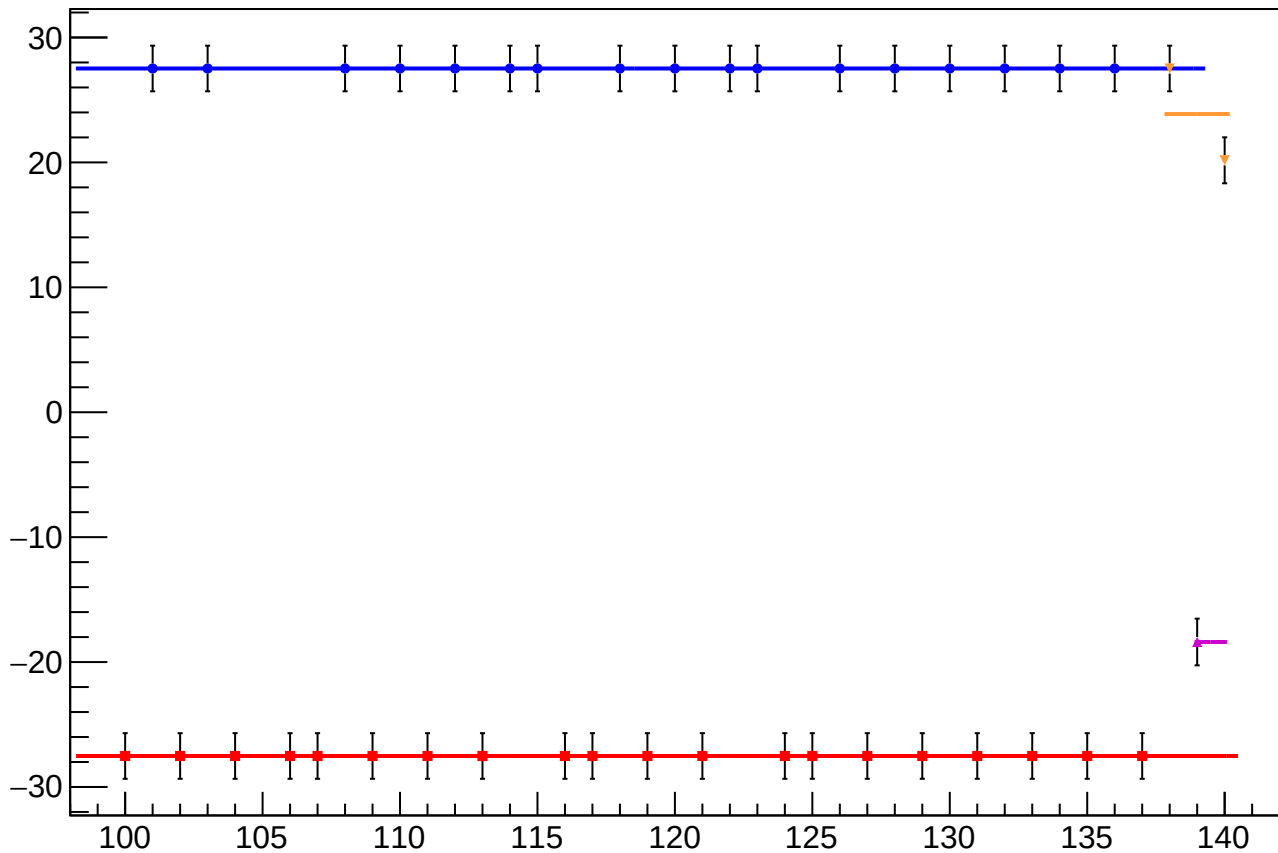
Left In: 29.300 ± 0.079 χ^2/NDF : 0.0/0

-22.226 ± 0.037 χ^2/NDF : 532521.5/18

-1.909 ± 0.027 χ^2/NDF : 1643864.4/39

21.479 ± 0.039 χ^2/NDF : 446926.1/20

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 27.518 $\pm$ 0.443 χ^2 /NDF: 0.0/16

Left Out: 23.871 $\pm$ 1.296 χ^2 /NDF: 8.0/1

Right Out: -27.518 $\pm$ 0.408 χ^2 /NDF: 0.0/19

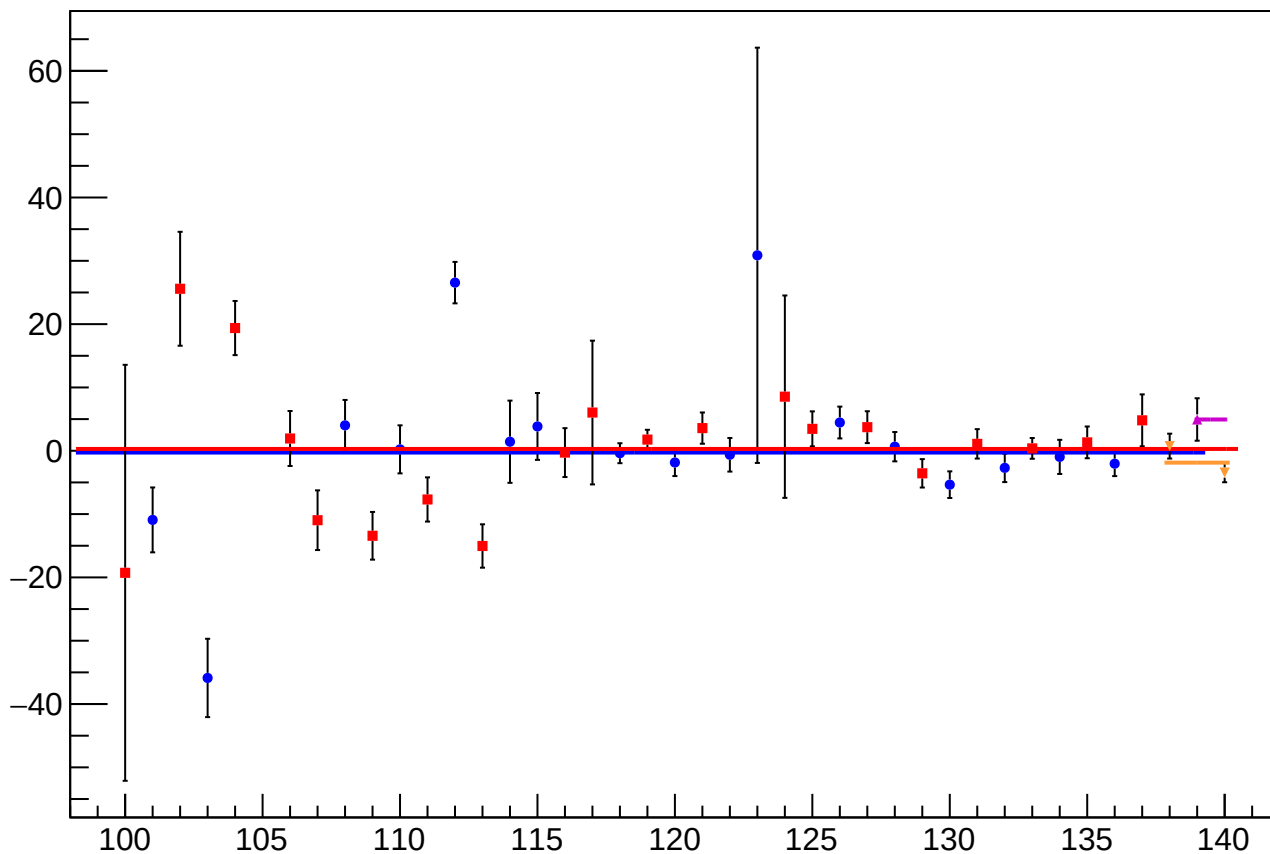
Left In: -18.393 $\pm$ 1.869 χ^2 /NDF: 0.0/0

27.137 $\pm$ 0.419 χ^2 /NDF: 15.1/18

-1.321 $\pm$ 0.289 χ^2 /NDF: 8821.1/39

-27.102 $\pm$ 0.399 χ^2 /NDF: 22.8/20

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: -1.875 ± 1.204 χ^2/NDF : 2.8/1

Right Out: 0.289 ± 0.655 χ^2/NDF : 83.4/19

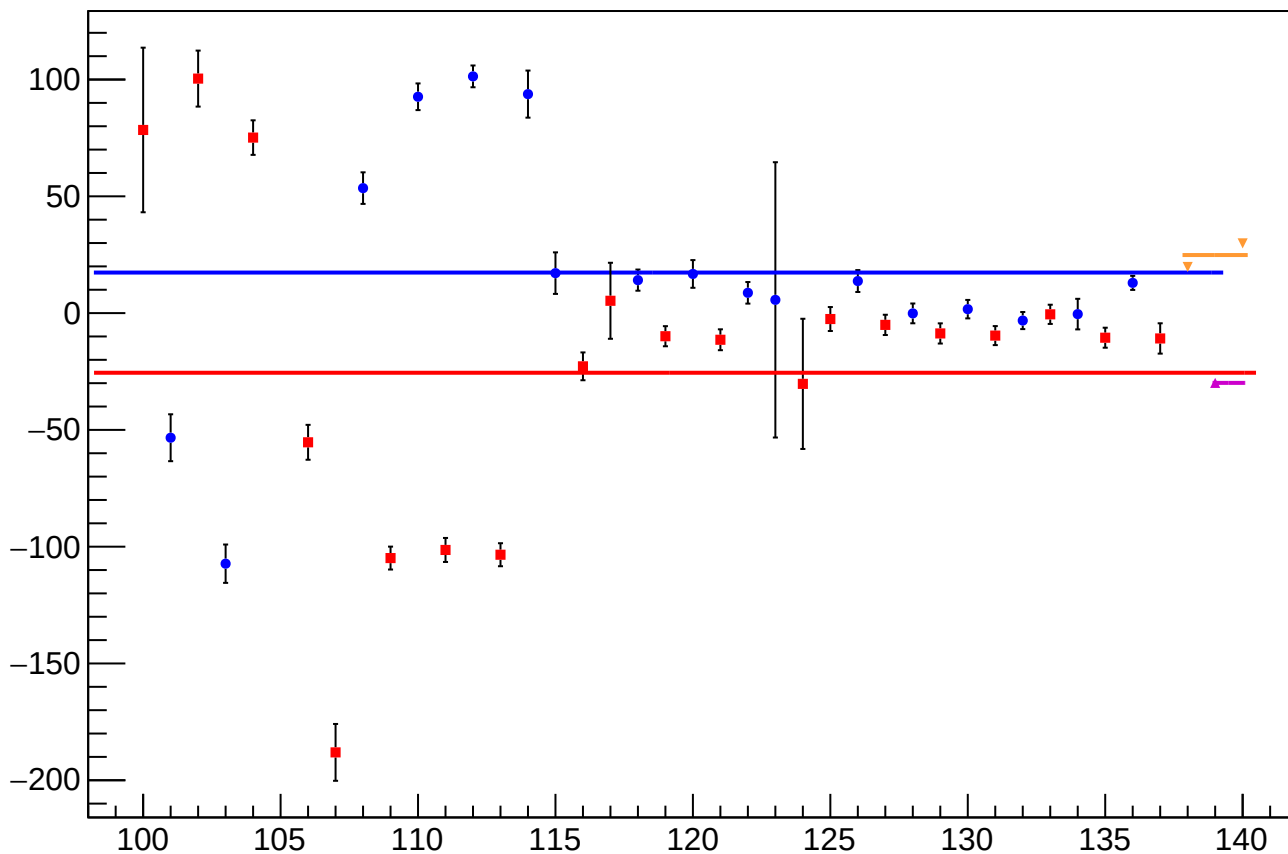
Left In: 4.941 ± 3.352 χ^2/NDF : 0.0/0

-0.651 ± 0.580 χ^2/NDF : 123.7/18

-0.152 ± 0.431 χ^2/NDF : 210.7/39

0.460 ± 0.643 χ^2/NDF : 85.3/20

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 24.860 ± 1.394 $\chi^2/\text{NDF}: 13.1/1$

Right Out: -25.537 ± 1.239 $\chi^2/\text{NDF}: 1382.4/19$

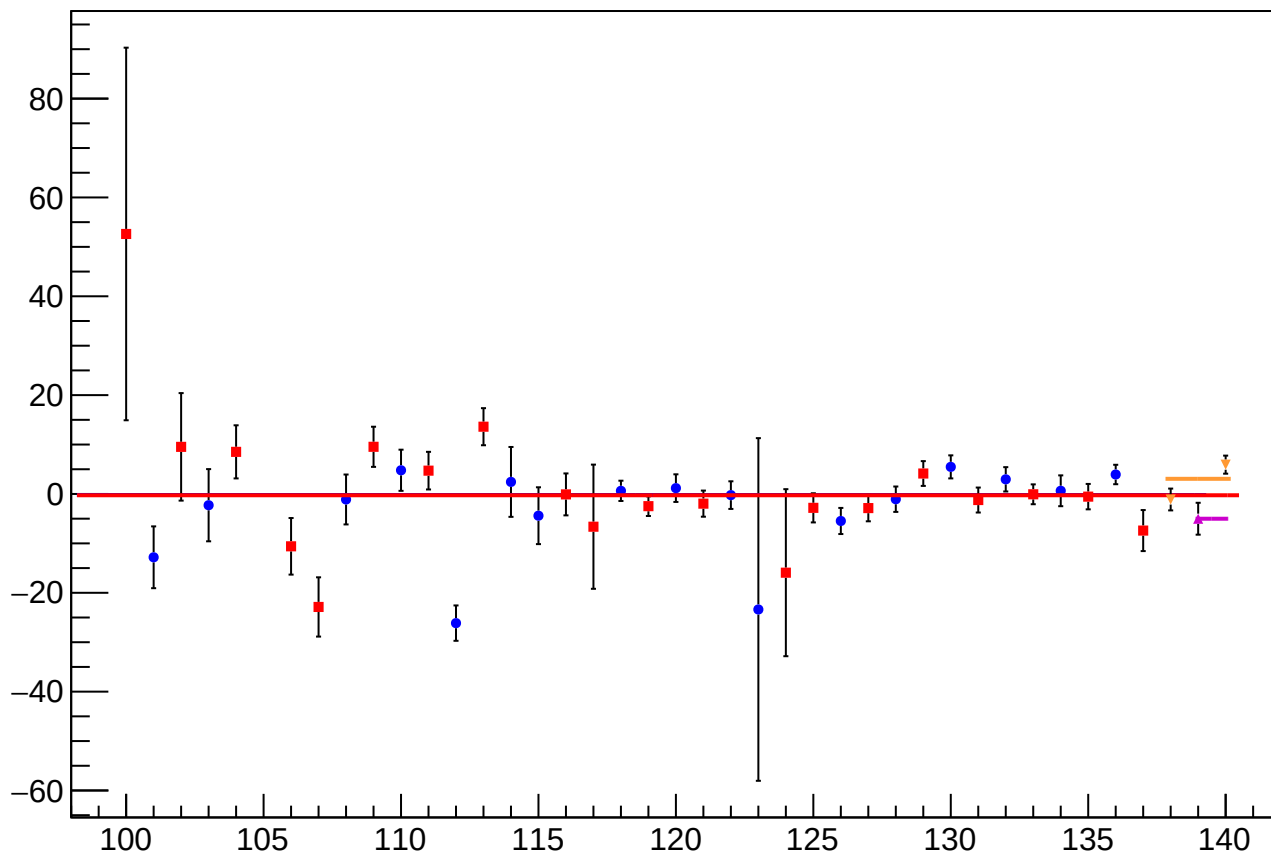
Left In: -29.875 ± 2.025 $\chi^2/\text{NDF}: 0.0/0$

20.695 ± 0.929 $\chi^2/\text{NDF}: 972.2/18$

0.024 ± 0.698 $\chi^2/\text{NDF}: 3493.0/39$

-26.720 ± 1.057 $\chi^2/\text{NDF}: 1385.8/20$

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: 3.064 ± 1.407 χ^2/NDF : 6.1/1

Right Out: -0.262 ± 0.747 χ^2/NDF : 54.8/19

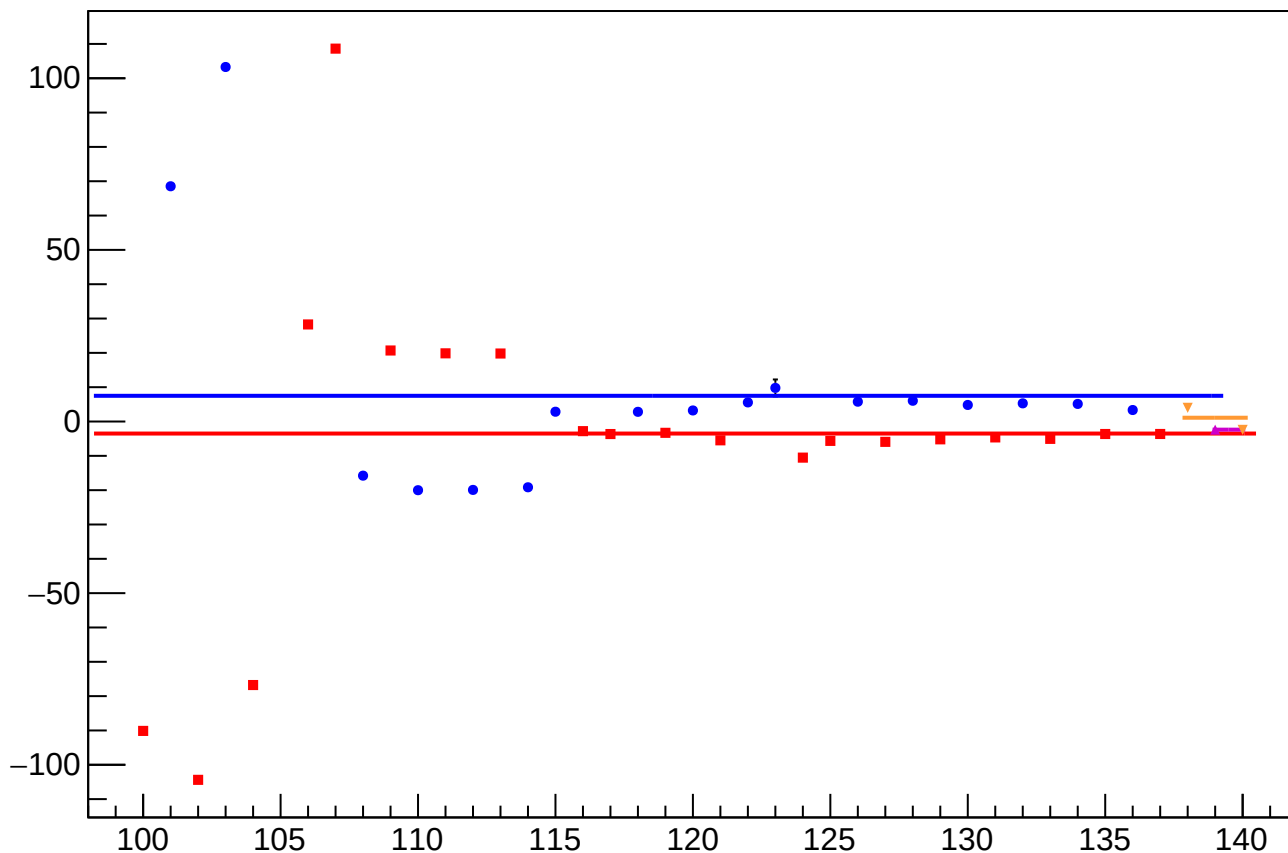
Left In: -5.012 ± 3.226 χ^2/NDF : 0.0/0

0.516 ± 0.663 χ^2/NDF : 86.2/18

0.054 ± 0.490 χ^2/NDF : 144.1/39

-0.504 ± 0.728 χ^2/NDF : 56.8/20

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: 1.104 ± 0.057 $\chi^2/\text{NDF}: 3135.5/1$

Right Out: -3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.5/19$

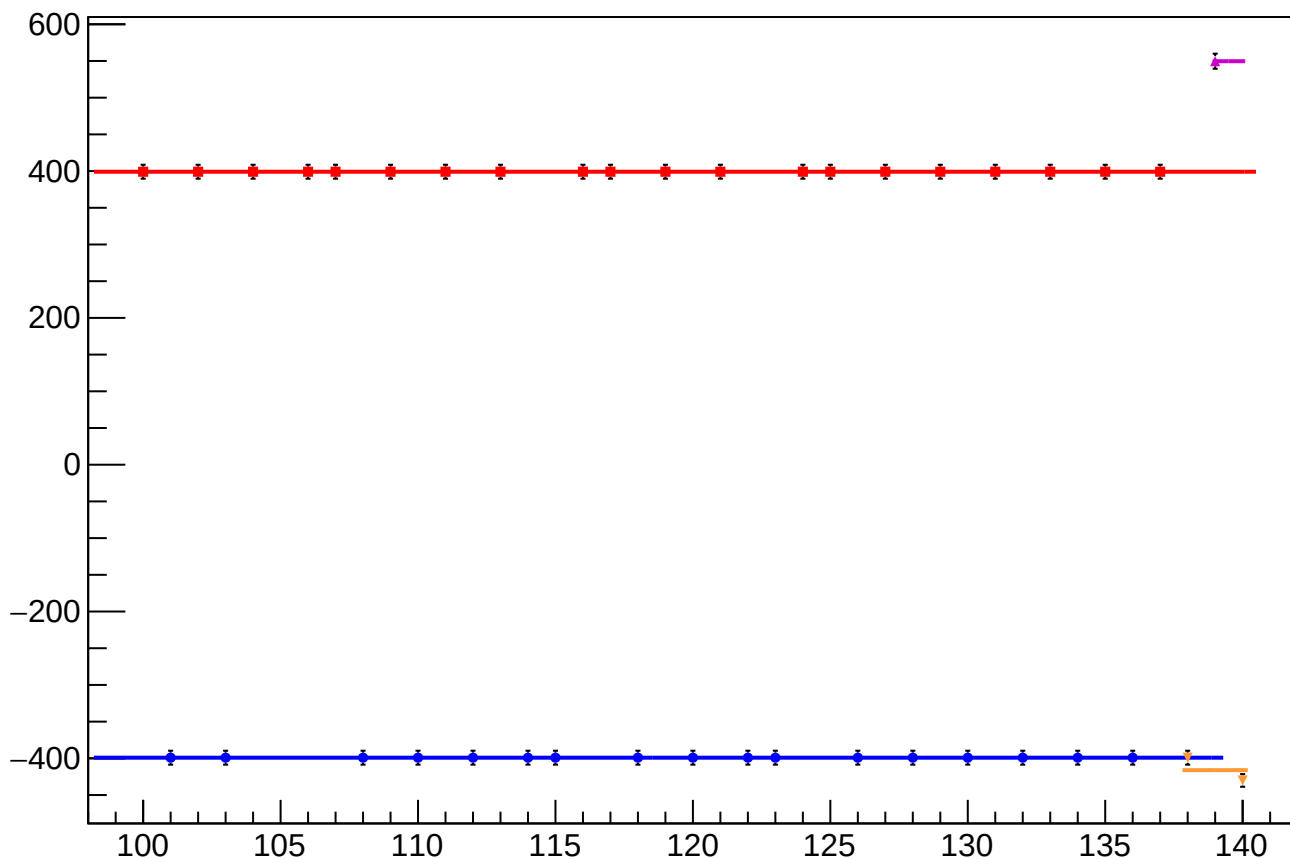
Left In: -2.370 ± 0.071 $\chi^2/\text{NDF}: 0.0/0$

5.068 ± 0.035 $\chi^2/\text{NDF}: 366887.6/18$

1.306 ± 0.026 $\chi^2/\text{NDF}: 902730.2/39$

-3.175 ± 0.038 $\chi^2/\text{NDF}: 510759.1/20$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -399.124 $\pm$ 2.307 χ^2/NDF : 0.0/16

Left Out: -416.111 $\pm$ 6.397 χ^2/NDF : 5.8/1

Right Out: 399.124 $\pm$ 2.127 χ^2/NDF : 0.0/19

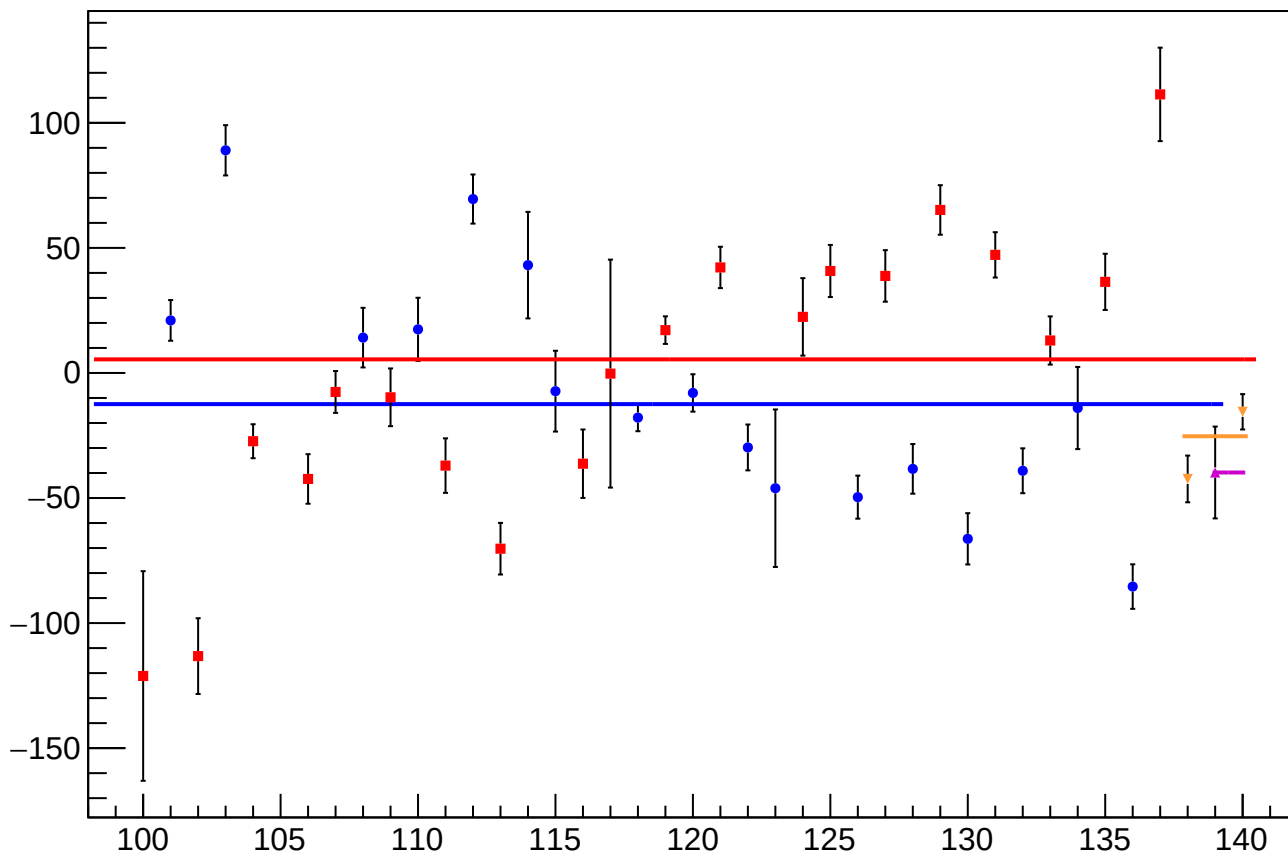
Left In: 549.690 $\pm$ 10.263 χ^2/NDF : 0.0/0

-401.079 $\pm$ 2.170 χ^2/NDF : 12.1/18

18.704 $\pm$ 1.503 χ^2/NDF : 72099.3/39

405.324 $\pm$ 2.083 χ^2/NDF : 206.4/20

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 $\pm$ 2.349 χ^2 /NDF: 341.1/16

Left Out: -25.300 $\pm$ 5.635 χ^2 /NDF: 5.3/1

Right Out: 5.439 $\pm$ 2.256 χ^2 /NDF: 345.0/19

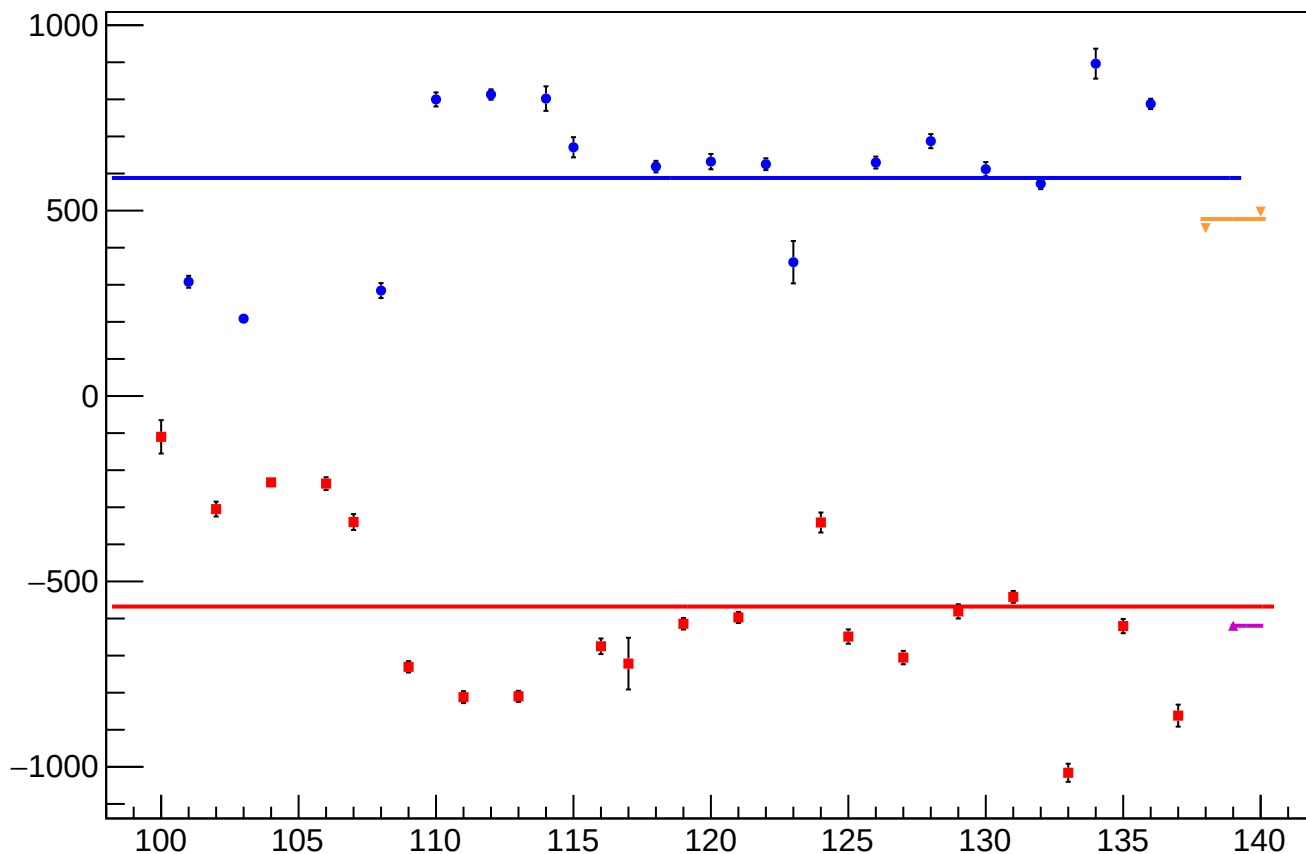
Left In: -39.798 $\pm$ 18.358 χ^2 /NDF: 0.0/0

-14.358 $\pm$ 2.168 χ^2 /NDF: 350.8/18

-5.104 $\pm$ 1.557 χ^2 /NDF: 739.4/39

4.766 $\pm$ 2.239 χ^2 /NDF: 351.0/20

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 $\pm$ 4.353 χ^2 /NDF: 2129.6/16

Left Out: 477.371 $\pm$ 6.865 χ^2 /NDF:10.4/1

Right Out: -567.720 $\pm$ 4.129 χ^2 /NDF: 2788.1/19

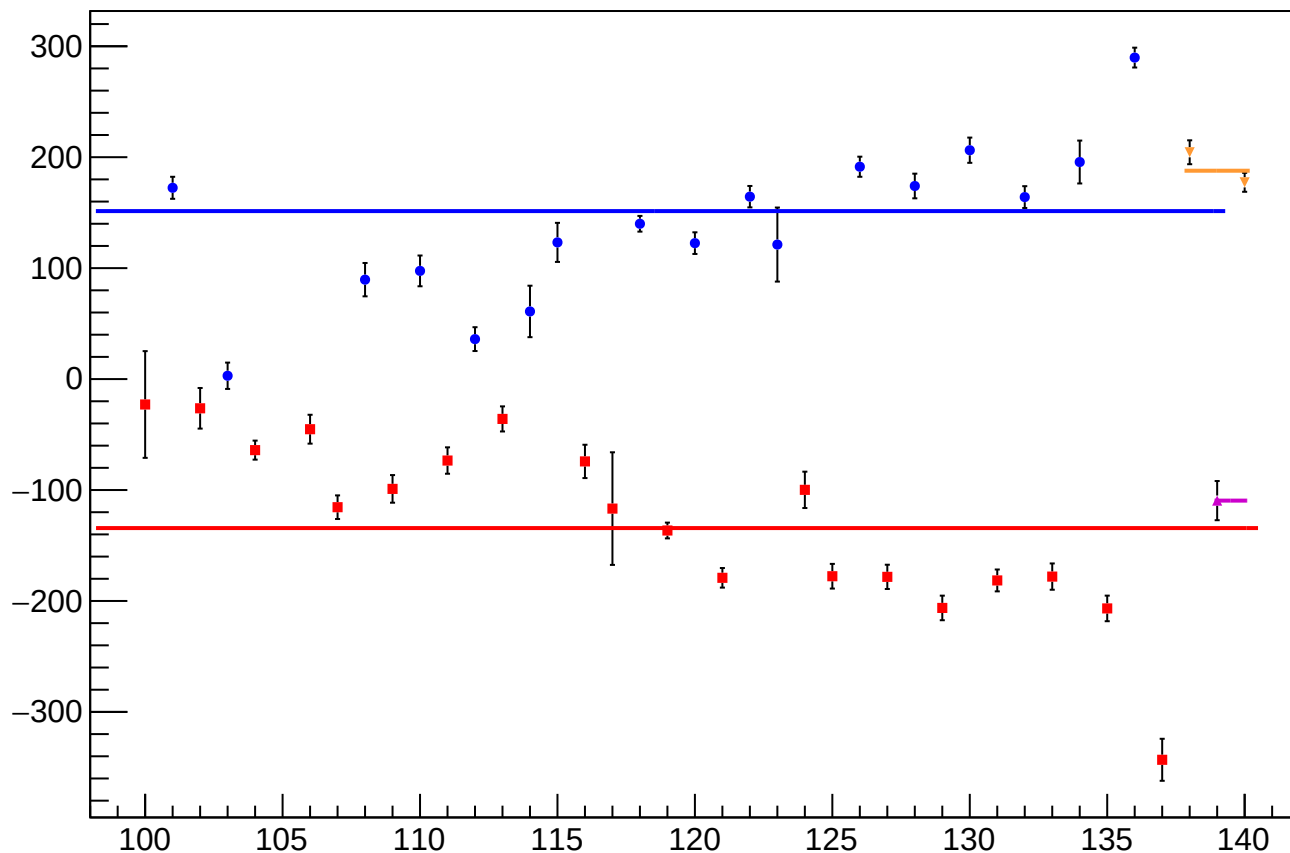
Left In: -619.505 $\pm$ 11.124 χ^2 /NDF:0.0/0

556.275 $\pm$ 3.676 χ^2 /NDF: 2325.3/18

20.274 $\pm$ 2.666 χ^2 /NDF: 49962.6/39

-573.991 $\pm$ 3.871 χ^2 /NDF: 2807.1/20

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 187.813 $\pm$ 6.689 χ^2 /NDF: 3.9/1

Right Out: -134.299 $\pm$ 2.612 χ^2 /NDF: 585.0/19

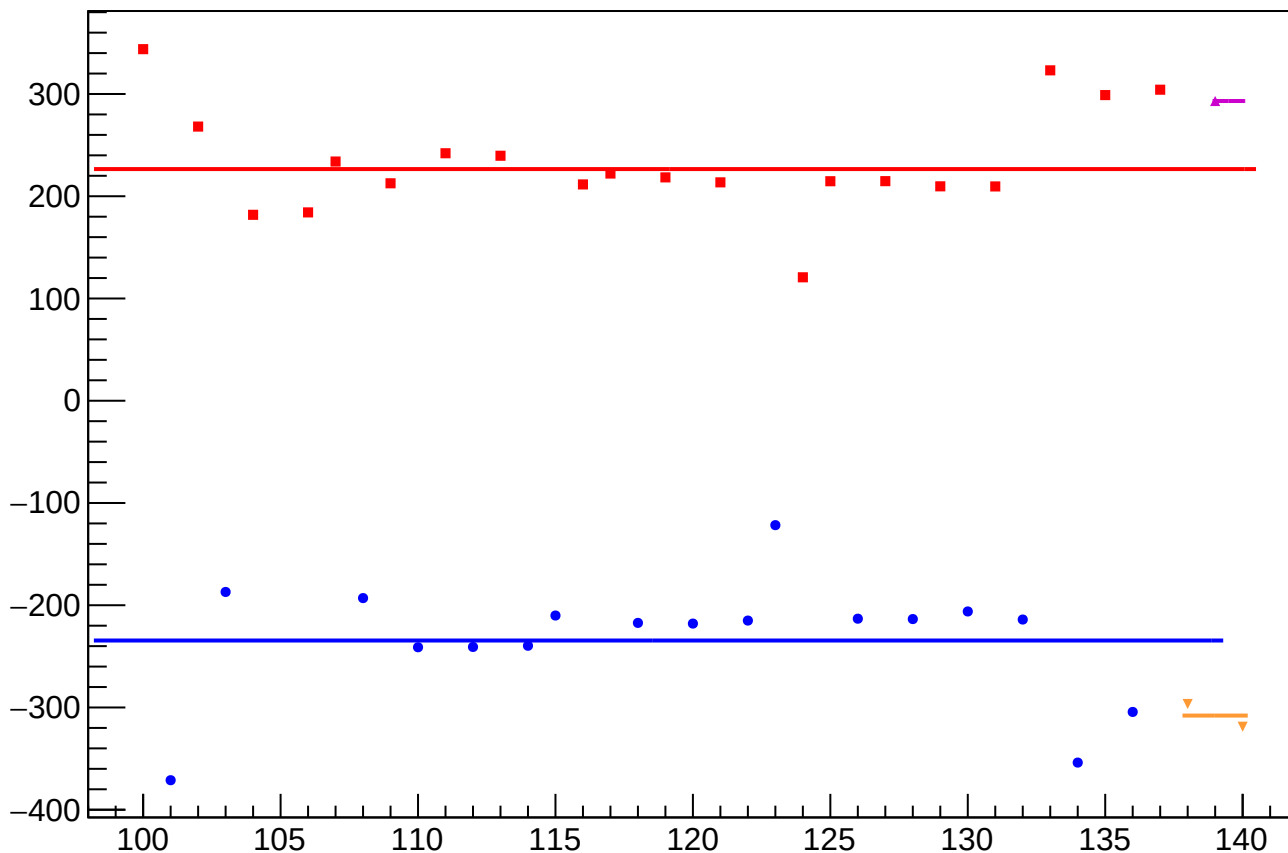
Left In: -109.543 $\pm$ 17.662 χ^2 /NDF: 0.0/0

156.550 $\pm$ 2.511 χ^2 /NDF: 662.6/18

15.545 $\pm$ 1.801 χ^2 /NDF: 7742.1/39

-133.769 $\pm$ 2.584 χ^2 /NDF: 586.9/20

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -307.912+/-0.287 χ^2/NDF :1494.8/1

Right Out: 226.572+/-0.141 χ^2/NDF : 98970.7/19

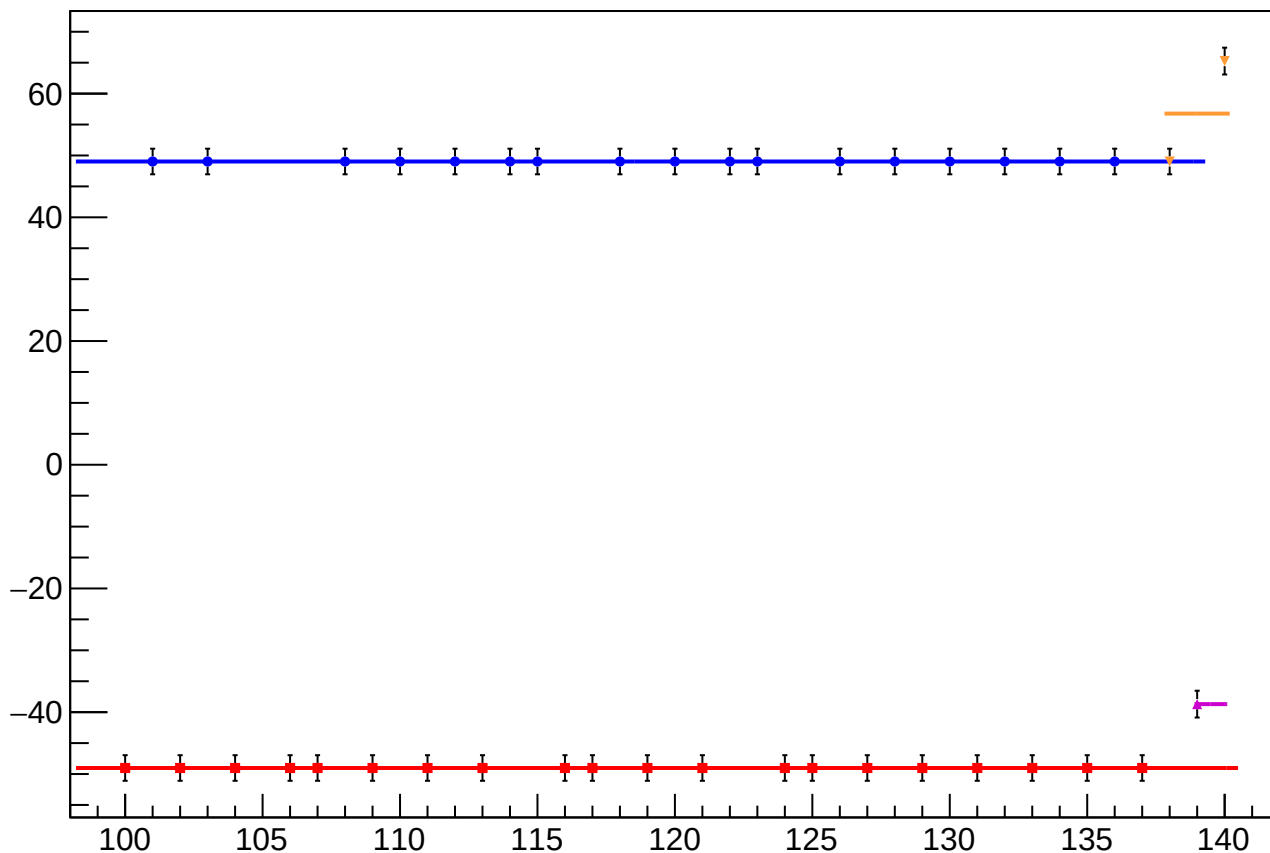
Left In: 293.141+/-0.390 χ^2/NDF :0.0/0

-250.054+/-0.132 χ^2/NDF : 197950.2/18

-8.846+/-0.094 χ^2/NDF : 6996801.2/39

234.287+/-0.133 χ^2/NDF : 124704.4/20

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 49.025+/-0.502 χ^2 /NDF: 0.0/16

Left Out: 56.768+/-1.497 χ^2 /NDF: 29.3/1

Right Out: -49.025+/-0.463 χ^2 /NDF: 0.0/19

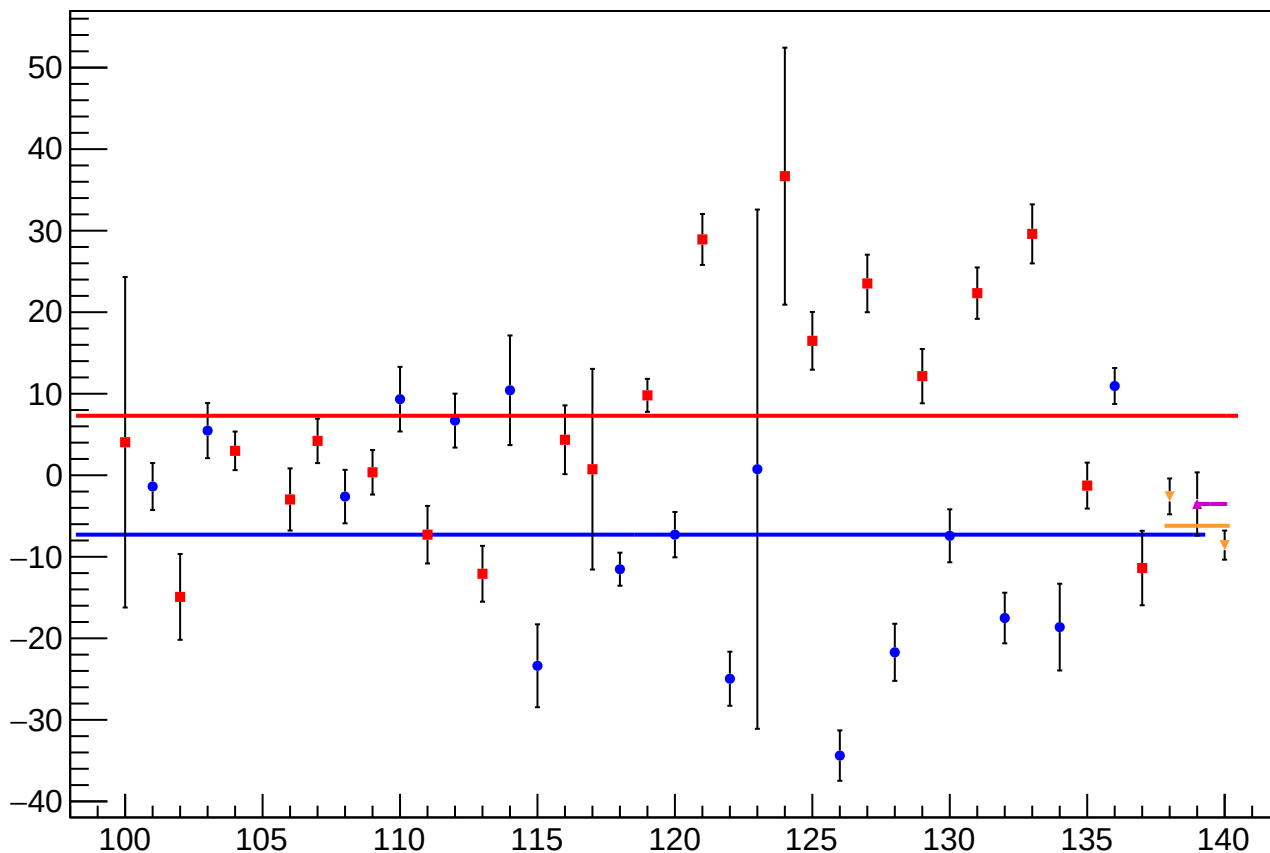
Left In: -38.700+/-2.168 χ^2 /NDF: 0.0/0

49.808+/-0.476 χ^2 /NDF: 53.4/18

-1.854+/-0.328 χ^2 /NDF: 22505.2/39

-48.575+/-0.453 χ^2 /NDF: 21.7/20

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: -6.196+/-1.385 χ^2/NDF : 4.5/1

Right Out: 7.298+/-0.759 χ^2/NDF : 255.6/19

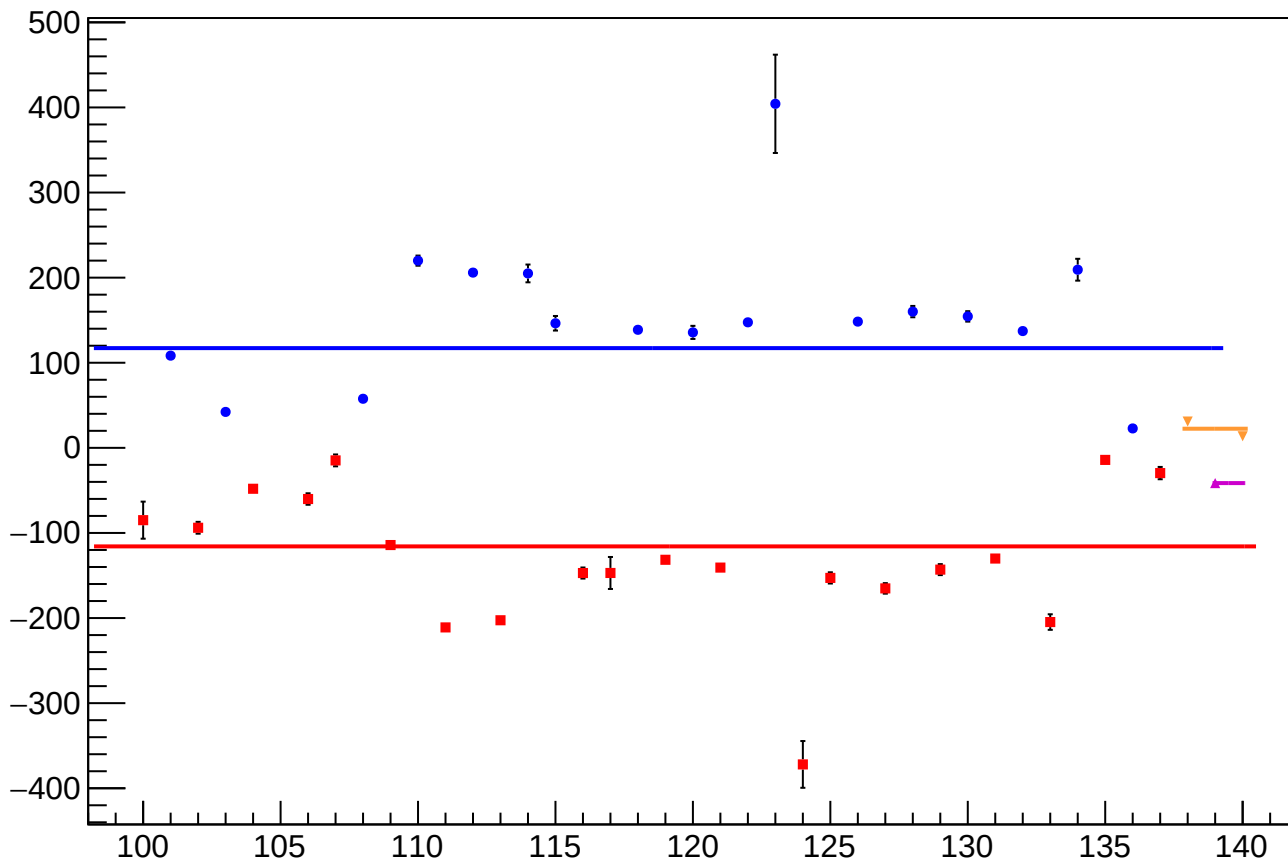
Left In: -3.524+/-3.876 χ^2/NDF : 0.0/0

-7.018+/-0.685 χ^2/NDF : 288.1/18

-0.641+/-0.504 χ^2/NDF : 740.2/39

6.898+/-0.745 χ^2/NDF : 263.1/20

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: 22.482 $\pm$ 1.610 χ^2 /NDF: 28.9/1

Right Out: -115.795 $\pm$ 1.357 χ^2 /NDF: 2140.4/19

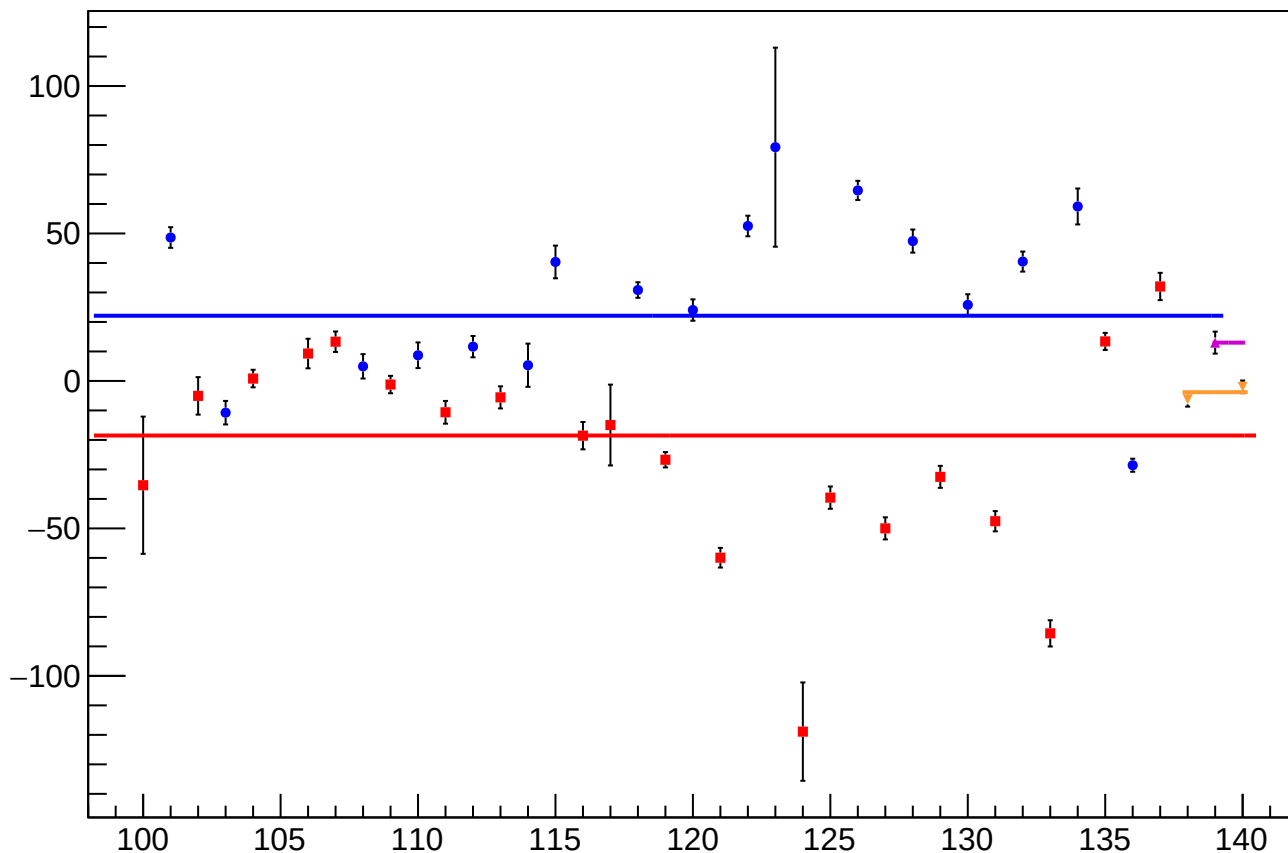
Left In: -41.407 $\pm$ 2.350 χ^2 /NDF: 0.0/0

75.860 $\pm$ 1.063 χ^2 /NDF: 4140.9/18

-2.018 $\pm$ 0.789 χ^2 /NDF: 18951.6/39

-97.180 $\pm$ 1.175 χ^2 /NDF: 2891.8/20

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: -3.810+/-1.622 χ^2 /NDF:1.7/1

Right Out: -18.506+/-0.869 χ^2 /NDF: 1068.6/19

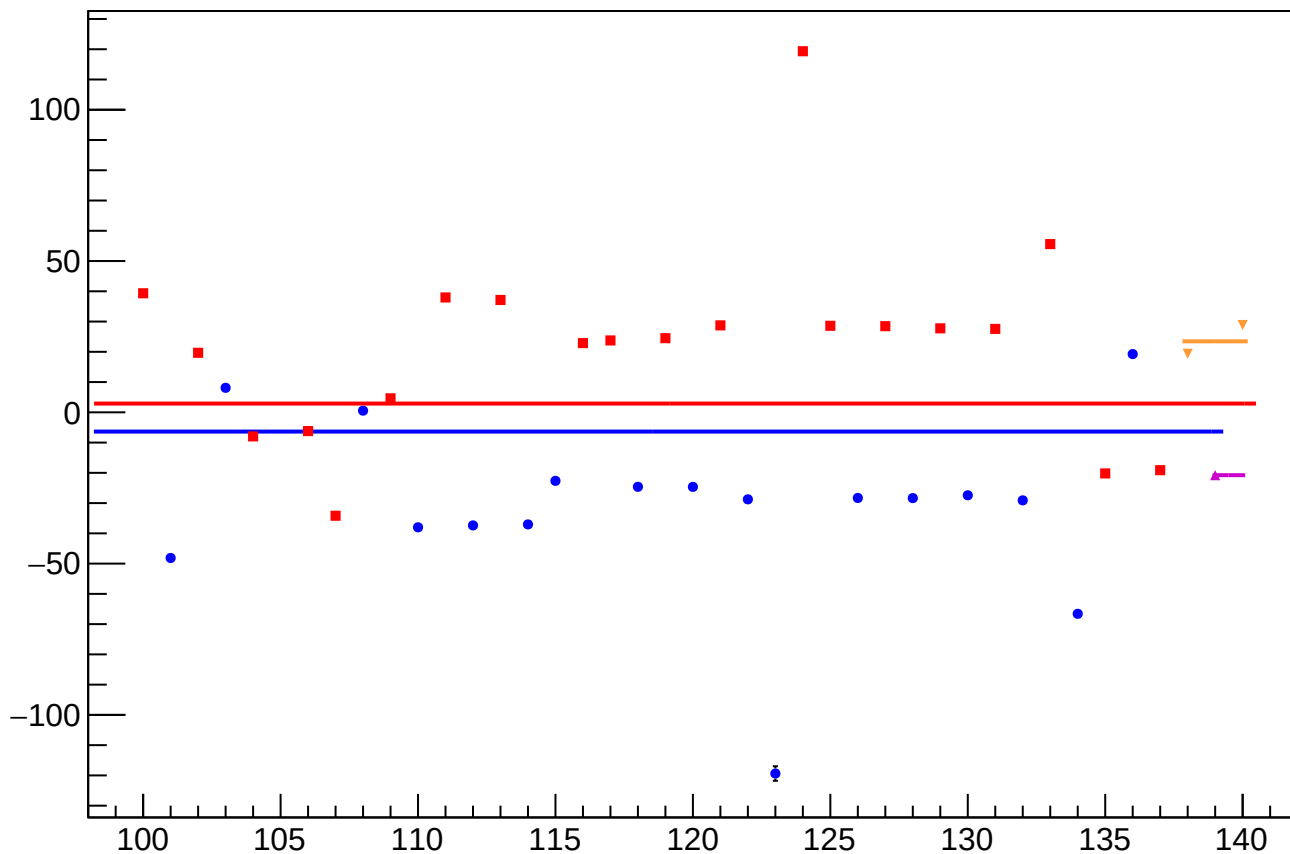
Left In: 12.991+/-3.730 χ^2 /NDF:0.0/0

16.025+/-0.786 χ^2 /NDF: 1267.5/18

0.800+/-0.576 χ^2 /NDF: 3215.4/39

-16.883+/-0.847 χ^2 /NDF: 1136.3/20

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360+/-0.046 χ^2/NDF : 264750.9/16

Left Out: 23.463+/-0.066 χ^2/NDF : 5093.8/1

Right Out: 2.896+/-0.046 χ^2/NDF : 266162.6/19

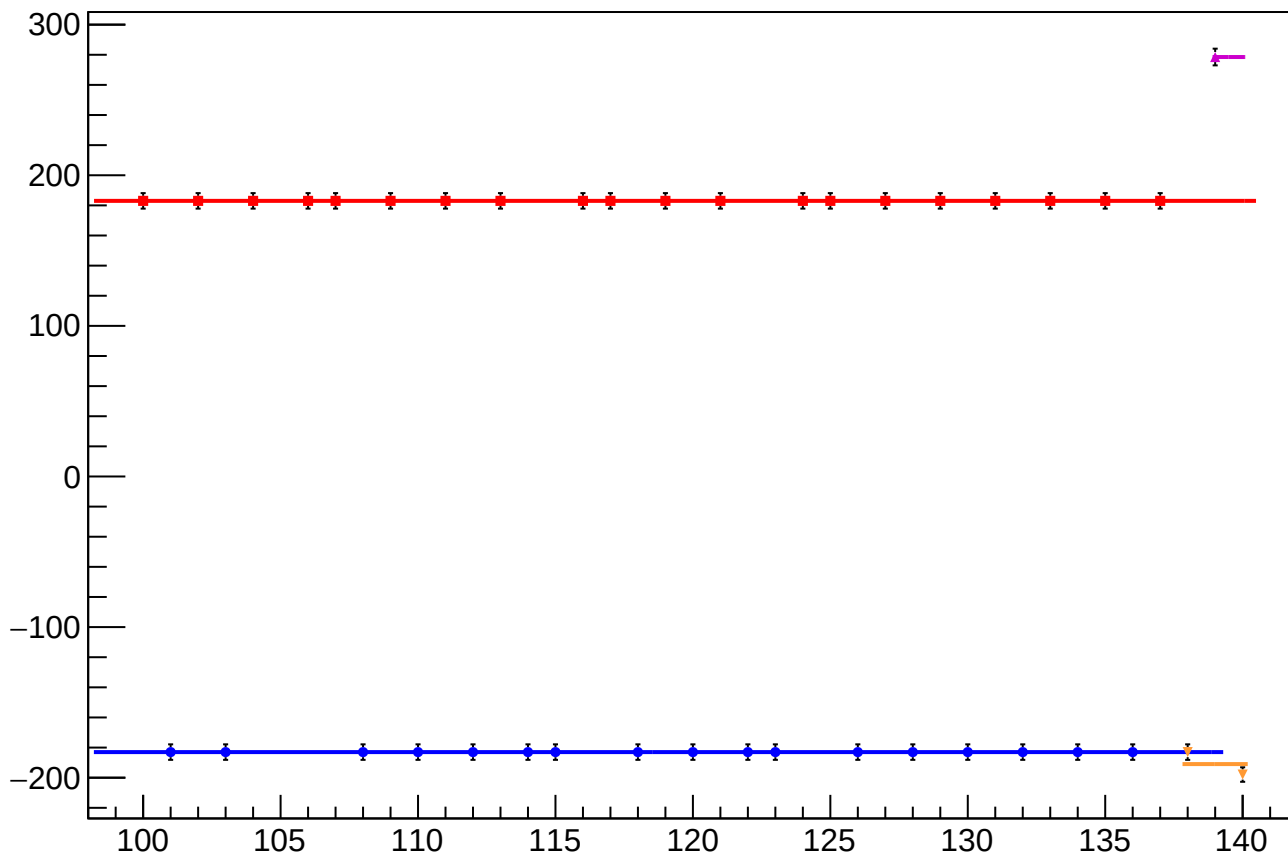
Left In: -20.776+/-0.082 χ^2/NDF : 0.0/0

3.498+/-0.038 χ^2/NDF : 406901.7/18

0.571+/-0.027 χ^2/NDF : 748925.3/39

-2.681+/-0.040 χ^2/NDF : 329428.7/20

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -182.999 ± 1.250 χ^2/NDF : 0.0/16

Left Out: -190.958 ± 3.518 χ^2/NDF : 4.5/1

Right Out: 182.999 ± 1.152 χ^2/NDF : 0.0/19

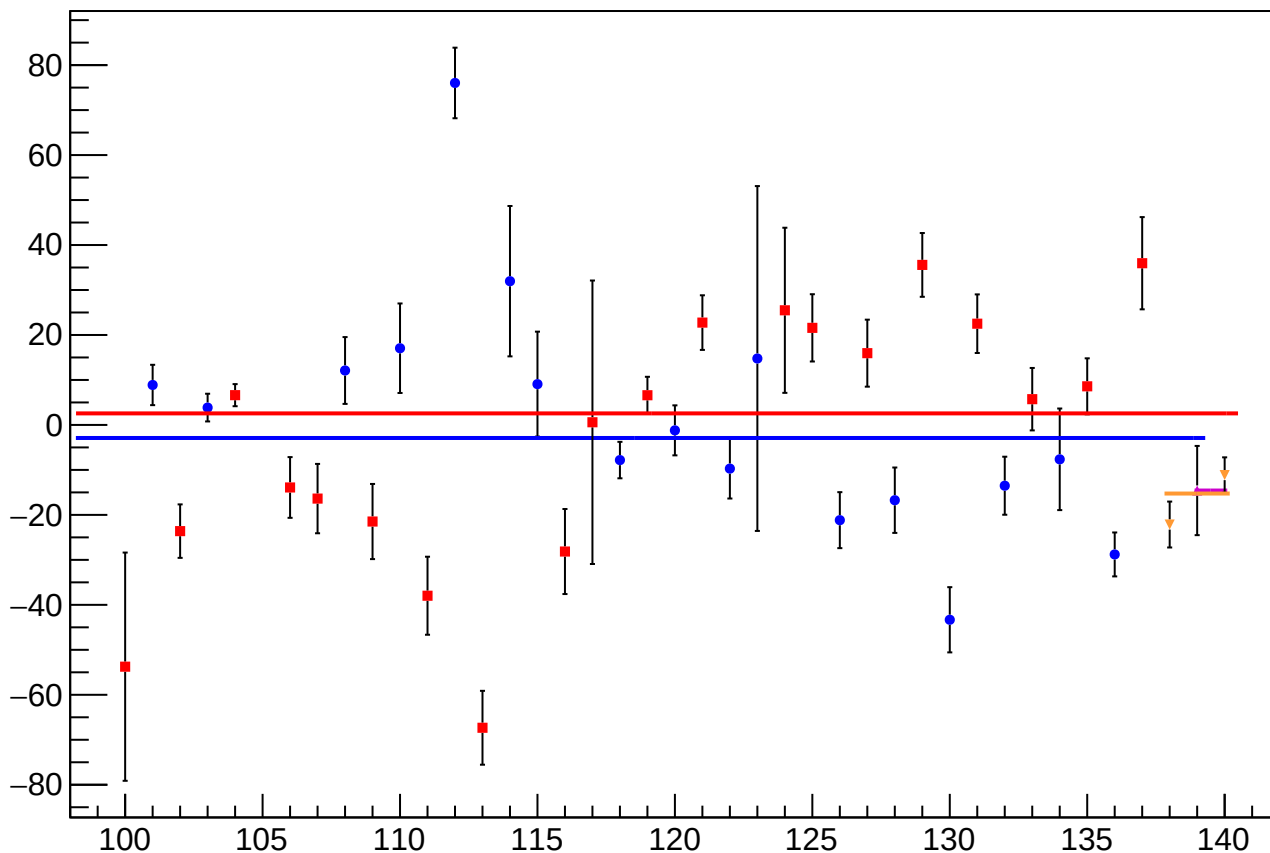
Left In: 278.508 ± 5.544 χ^2/NDF : 0.0/0

-183.891 ± 1.178 χ^2/NDF : 9.0/18

9.495 ± 0.815 χ^2/NDF : 52000.5/39

186.954 ± 1.128 χ^2/NDF : 284.5/20

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: -15.254 ± 3.119 χ^2/NDF : 2.9/1

Right Out: 2.566 ± 1.395 χ^2/NDF : 218.2/19

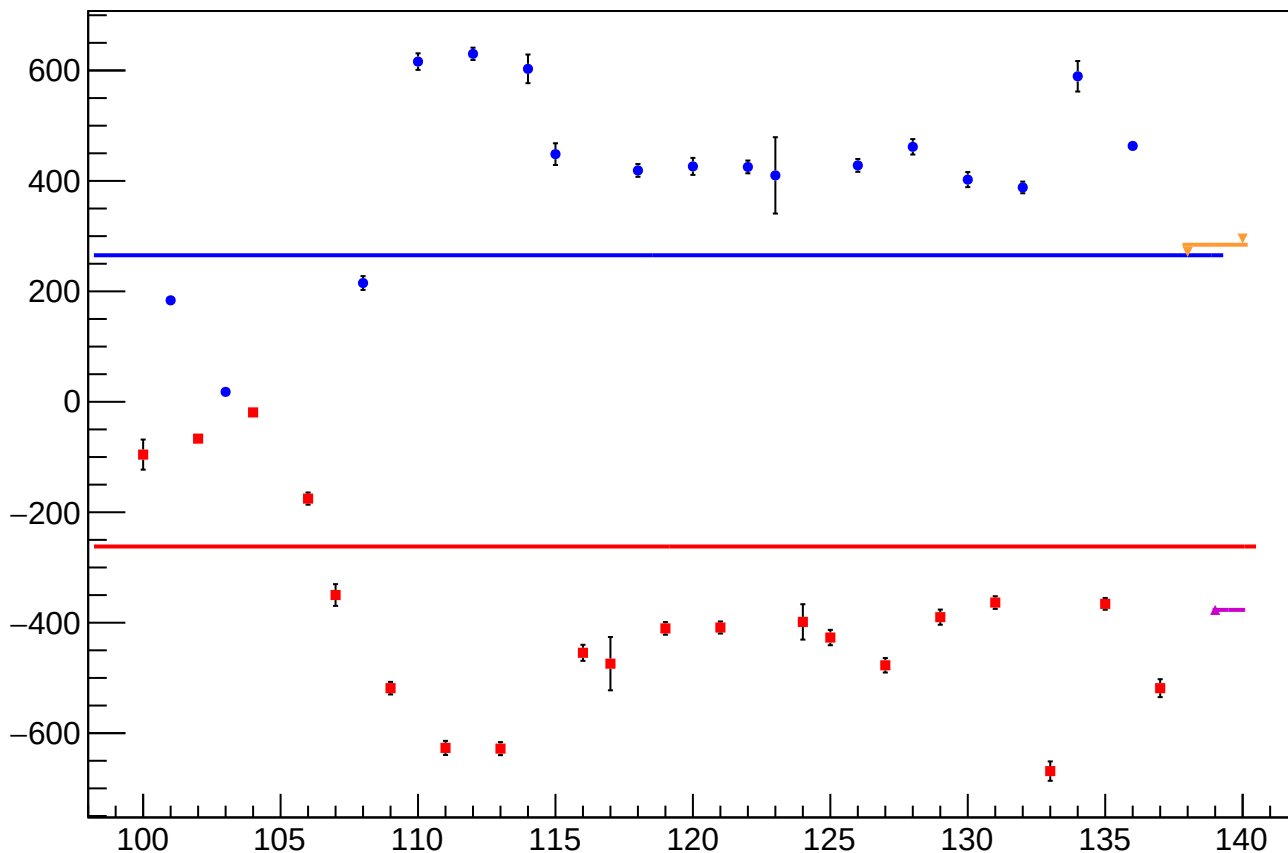
Left In: -14.586 ± 9.918 χ^2/NDF : 0.0/0

-5.139 ± 1.328 χ^2/NDF : 219.3/18

-1.599 ± 0.957 χ^2/NDF : 455.3/39

2.234 ± 1.381 χ^2/NDF : 221.1/20

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369+/-2.488 χ^2/NDF : 7633.8/16

Left Out: 284.473+/-3.777 χ^2/NDF :10.3/1

Right Out: -262.016+/-2.455 χ^2/NDF : 8223.7/19

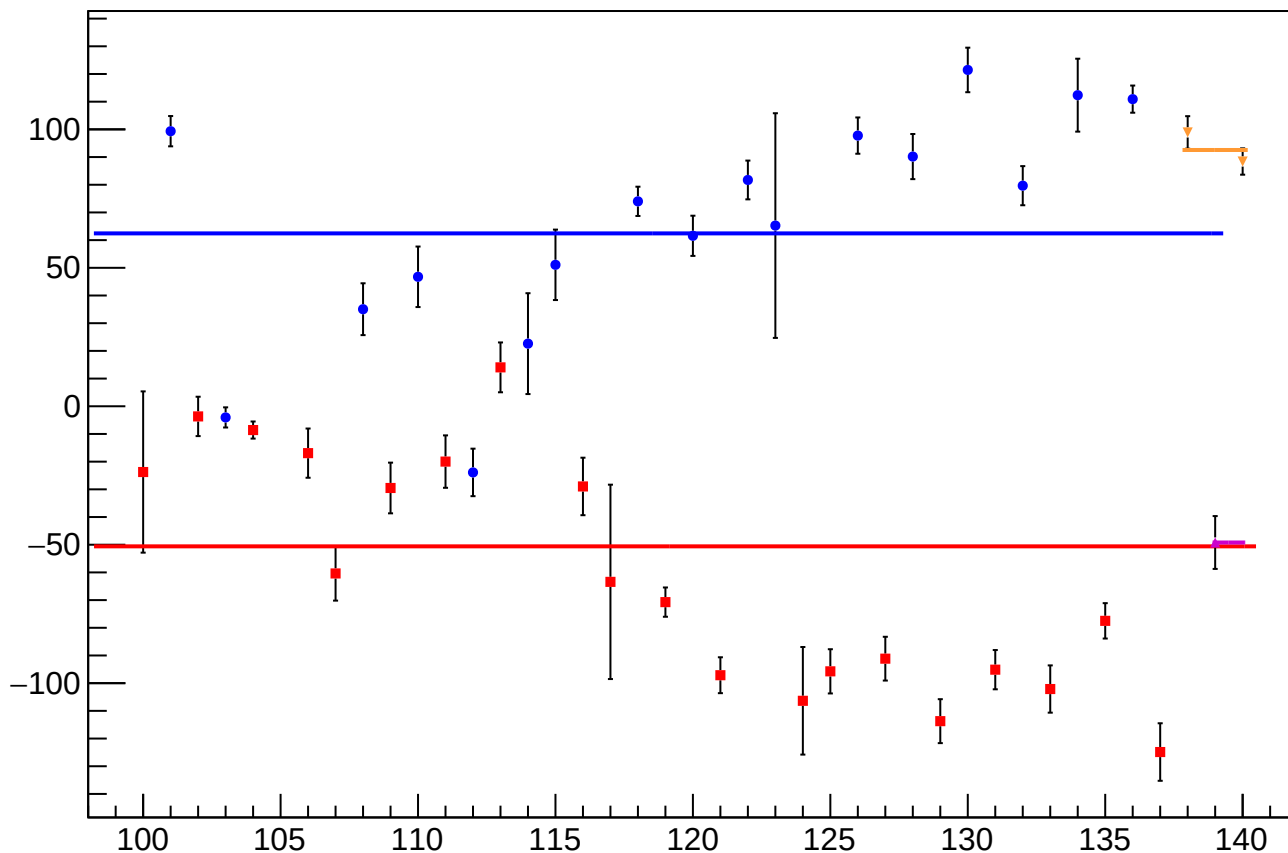
Left In: -376.806+/-6.008 χ^2/NDF :0.0/0

271.150+/-2.078 χ^2/NDF : 7661.9/18

20.901+/-1.533 χ^2/NDF : 48057.2/39

-278.435+/-2.272 χ^2/NDF : 8536.5/20

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 92.554+/-3.695 χ^2/NDF : 1.9/1

Right Out: -50.588+/-1.640 χ^2/NDF : 657.5/19

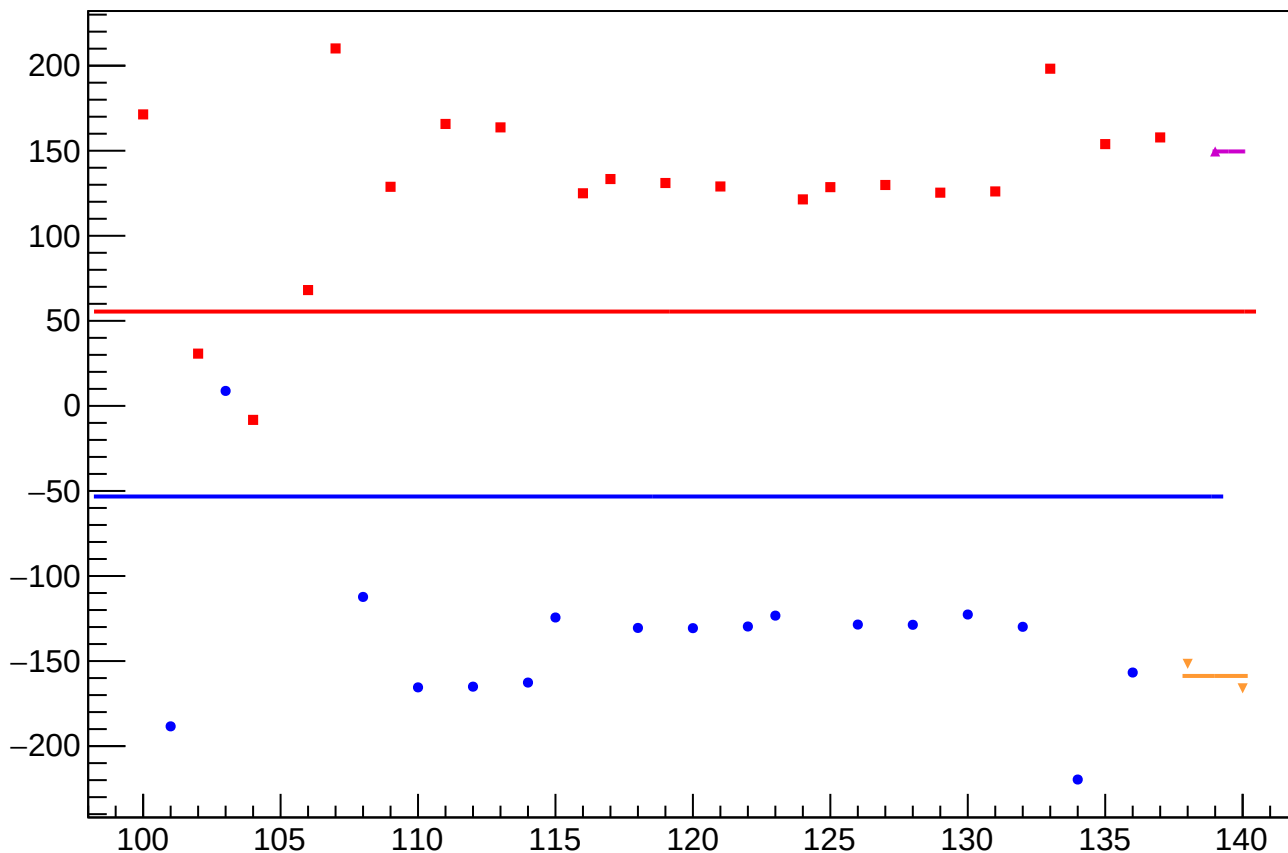
Left In: -49.198+/-9.542 χ^2/NDF : 0.0/0

67.664+/-1.540 χ^2/NDF : 778.6/18

11.430+/-1.115 χ^2/NDF : 4240.2/39

-50.549+/-1.616 χ^2/NDF : 657.5/20

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 ± 0.070 $\chi^2/\text{NDF}: 1225492.9/16$

Left Out: -158.754 ± 0.158 $\chi^2/\text{NDF}: 2086.4/1$

Right Out: 55.455 ± 0.072 $\chi^2/\text{NDF}: 968274.5/19$

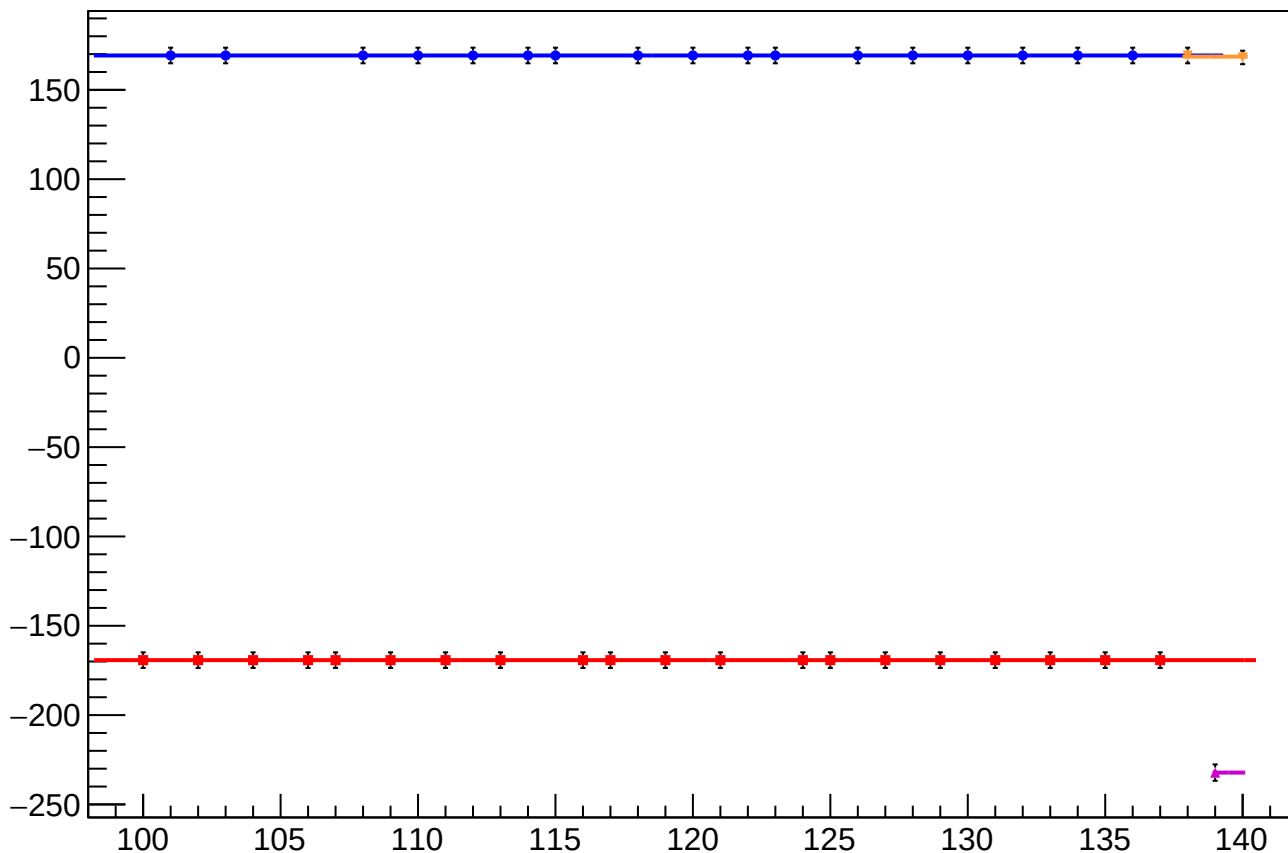
Left In: 149.577 ± 0.211 $\chi^2/\text{NDF}: 0.0/0$

-70.816 ± 0.064 $\chi^2/\text{NDF}: 1601047.4/18$

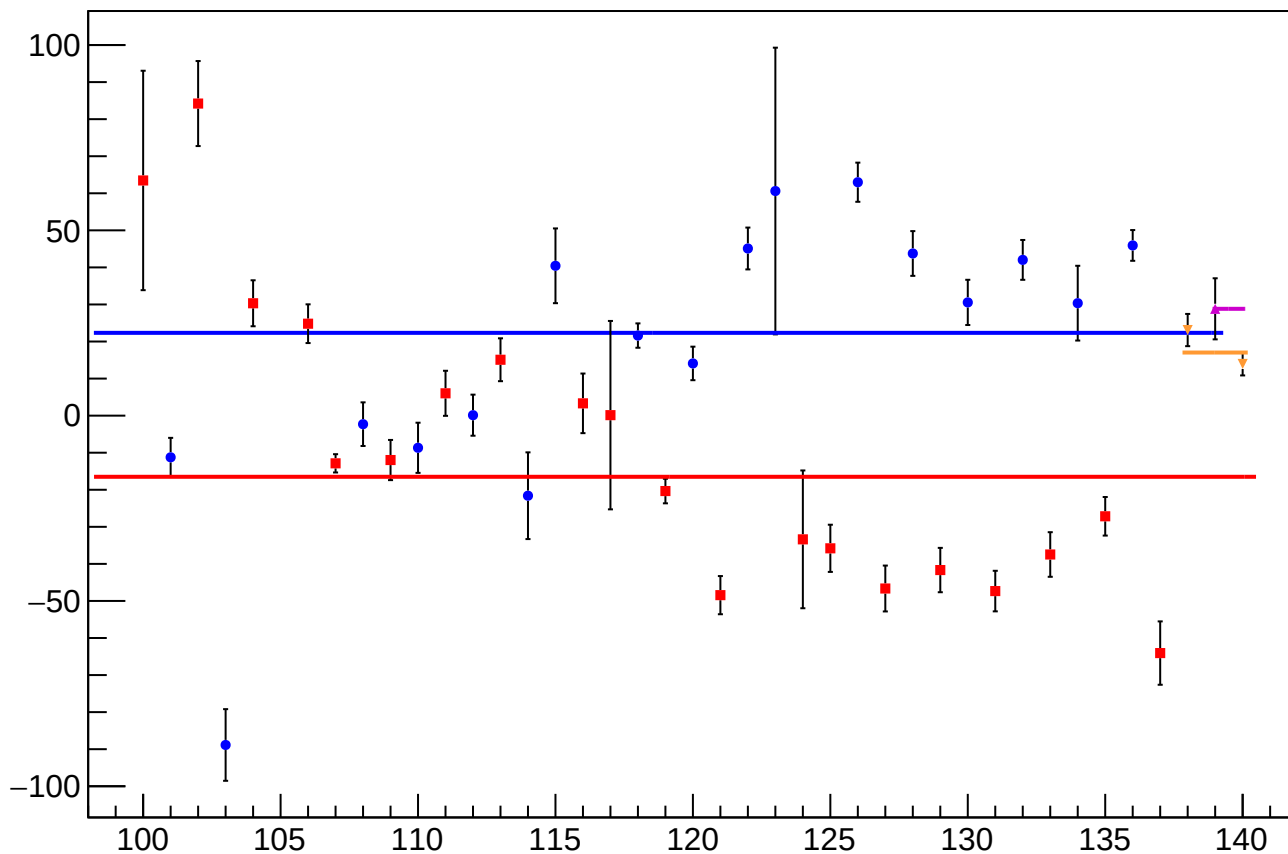
-6.655 ± 0.047 $\chi^2/\text{NDF}: 4860352.5/39$

65.262 ± 0.068 $\chi^2/\text{NDF}: 1146766.3/20$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: 17.029 $\pm$ 2.524 χ^2 /NDF: 2.9/1

Right Out: -16.498 $\pm$ 1.226 χ^2 /NDF: 427.0/19

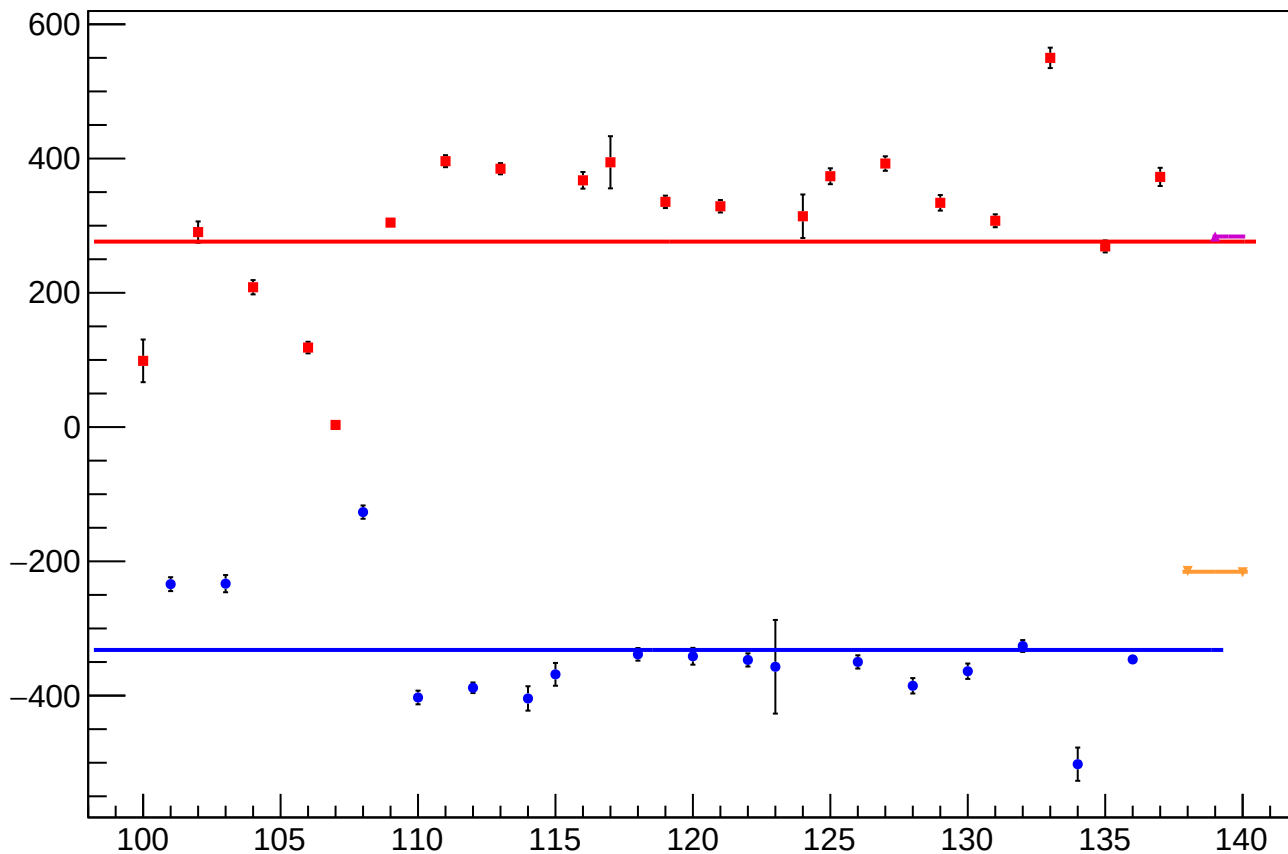
Left In: 28.825 $\pm$ 8.241 χ^2 /NDF: 0.0/0

21.098 $\pm$ 1.221 χ^2 /NDF: 392.2/18

2.663 $\pm$ 0.860 χ^2 /NDF: 1301.5/39

-15.517 $\pm$ 1.213 χ^2 /NDF: 456.6/20

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: -215.479+/-3.070 χ^2/NDF : 0.1/1

Right Out: 276.265+/-2.320 χ^2/NDF : 3371.5/19

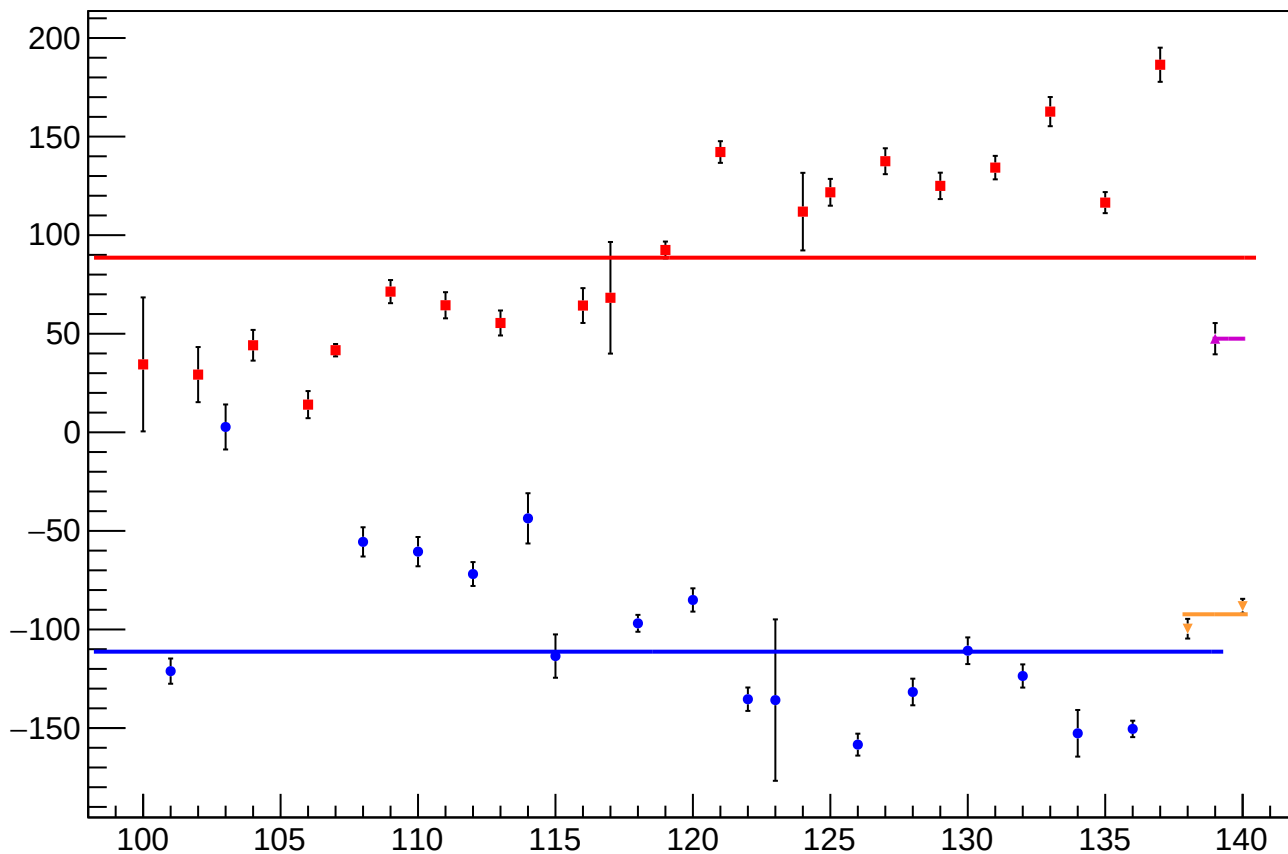
Left In: 283.862+/-4.975 χ^2/NDF : 0.0/0

-283.765+/-1.975 χ^2/NDF : 1629.0/18

-20.620+/-1.440 χ^2/NDF : 42862.5/39

277.622+/-2.103 χ^2/NDF : 3373.4/20

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: -92.291 ± 2.993 χ^2/NDF : 3.3/1

Right Out: 88.581 ± 1.431 χ^2/NDF : 971.5/19

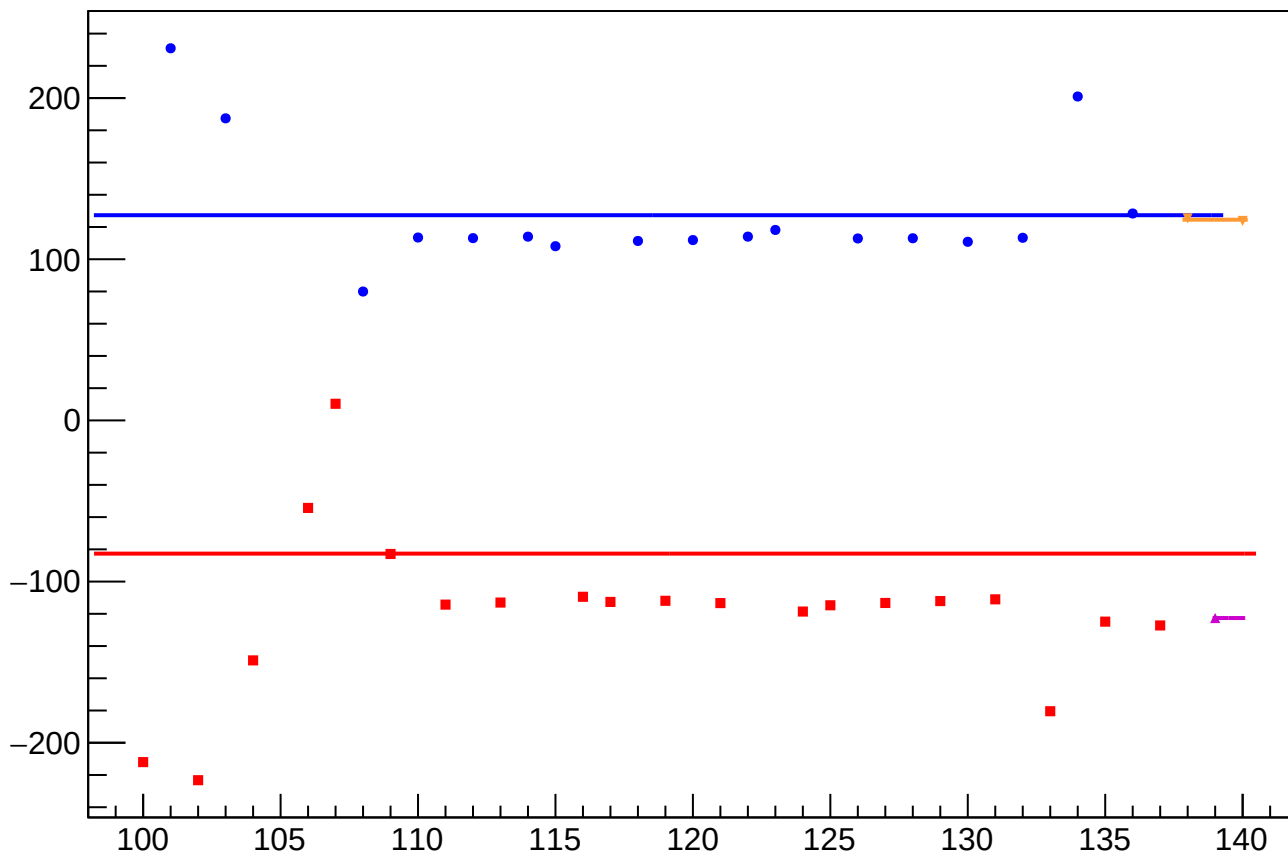
Left In: 47.496 ± 7.930 χ^2/NDF : 0.0/0

-107.052 ± 1.409 χ^2/NDF : 544.2/18

-9.842 ± 0.996 χ^2/NDF : 11056.6/39

87.285 ± 1.408 χ^2/NDF : 997.5/20

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: 124.521+/-0.128 χ^2/NDF : 38.9/1

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

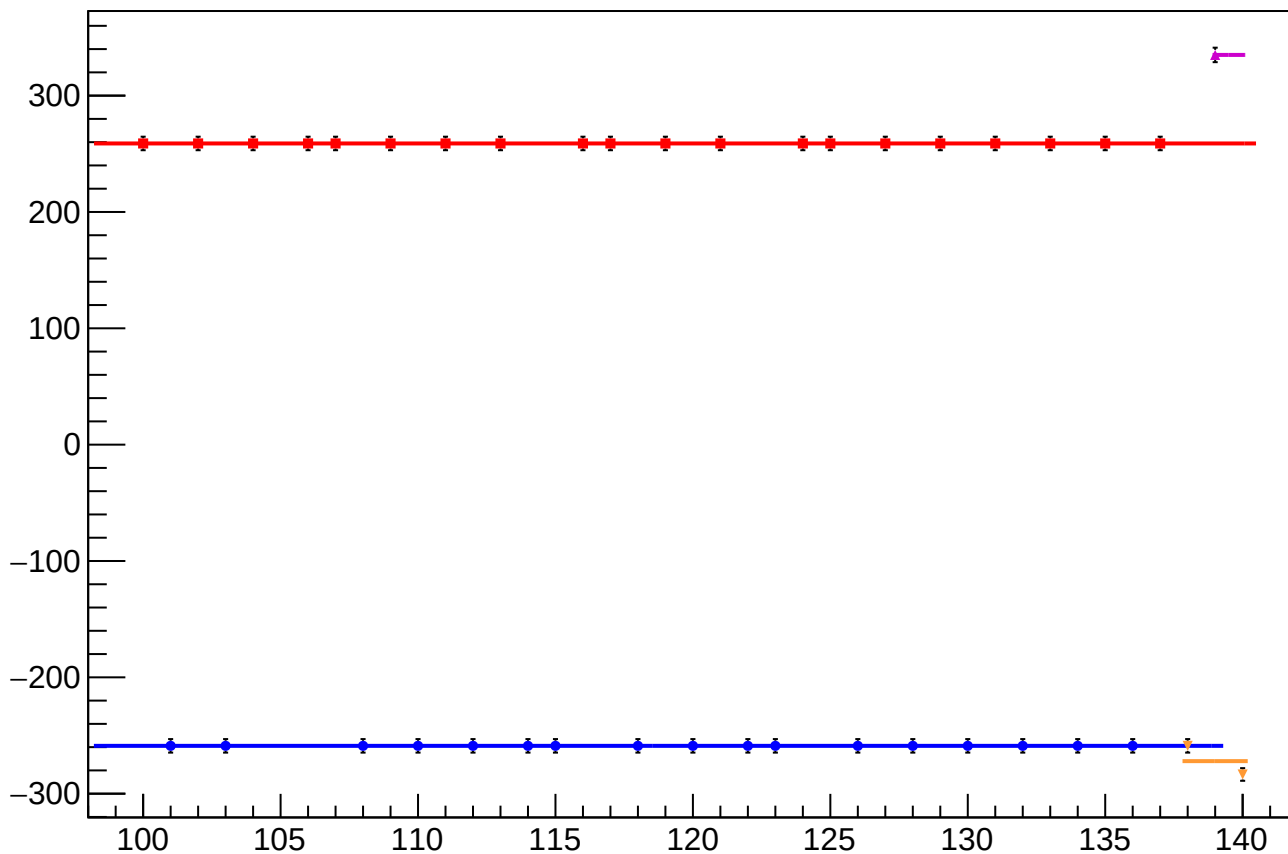
Left In: -122.617+/-0.175 χ^2/NDF : 0.0/0

126.408+/-0.073 χ^2/NDF : 188135.6/18

12.427+/-0.050 χ^2/NDF : 5551981.6/39

-88.873+/-0.069 χ^2/NDF : 809168.9/20

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -258.891+/-1.411 χ^2/NDF : 0.0/16

Left Out: -272.030+/-3.973 χ^2/NDF : 9.5/1

Right Out: 258.891+/-1.301 χ^2/NDF : 0.0/19

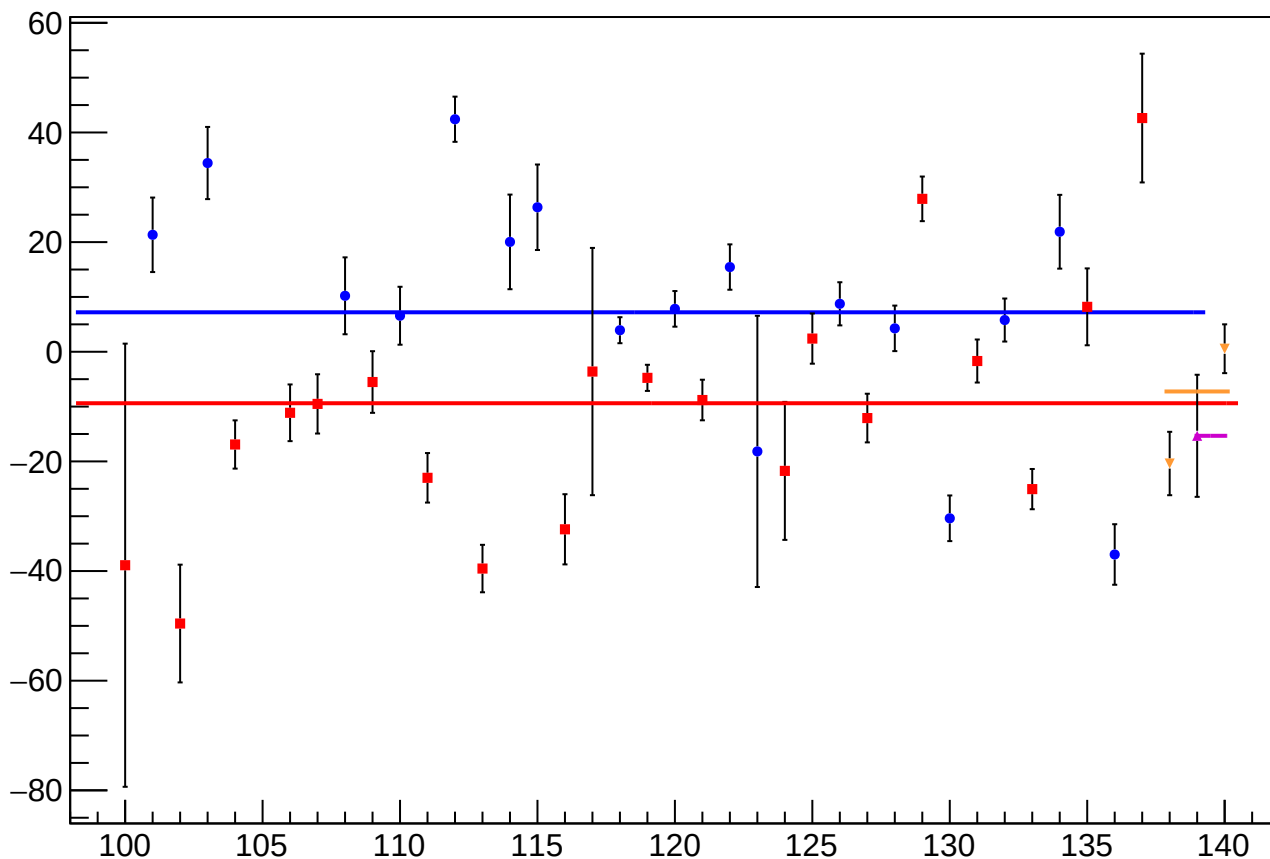
Left In: 334.991+/-6.232 χ^2/NDF : 0.0/0

-260.363+/-1.330 χ^2/NDF : 19.3/18

12.121+/-0.920 χ^2/NDF : 80644.9/39

262.070+/-1.274 χ^2/NDF : 142.9/20

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: -7.242+/-3.528 χ^2/NDF : 8.2/1

Right Out: -9.390+/-1.070 χ^2/NDF : 232.2/19

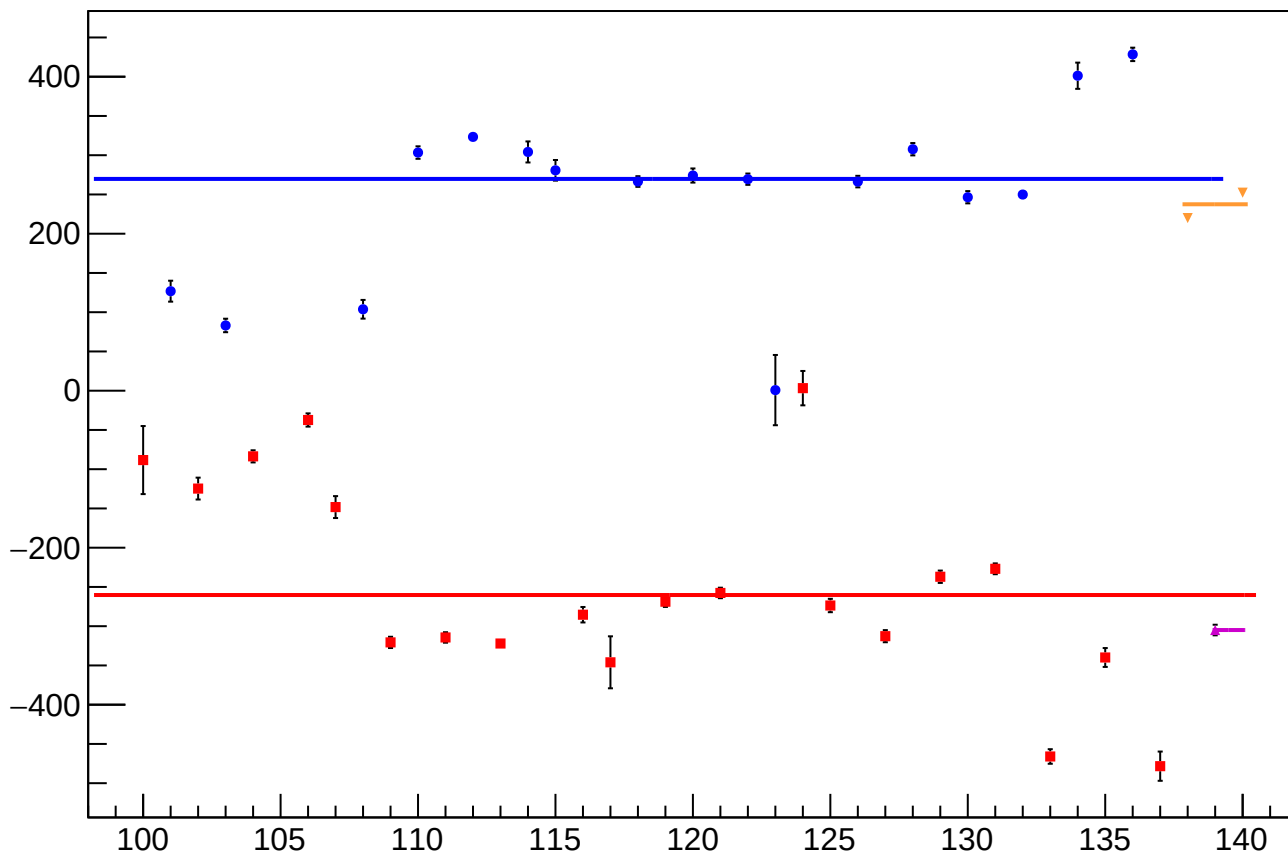
Left In: -15.330+/-11.135 χ^2/NDF : 0.0/0

5.913+/-1.053 χ^2/NDF : 284.4/18

-1.677+/-0.749 χ^2/NDF : 622.1/39

-9.444+/-1.065 χ^2/NDF : 232.5/20

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 $\pm$ 2.089 χ^2/NDF : 1374.1/16

Left Out: 237.498 $\pm$ 4.265 χ^2/NDF : 14.3/1

Right Out: -260.286 $\pm$ 1.973 χ^2/NDF : 2545.4/19

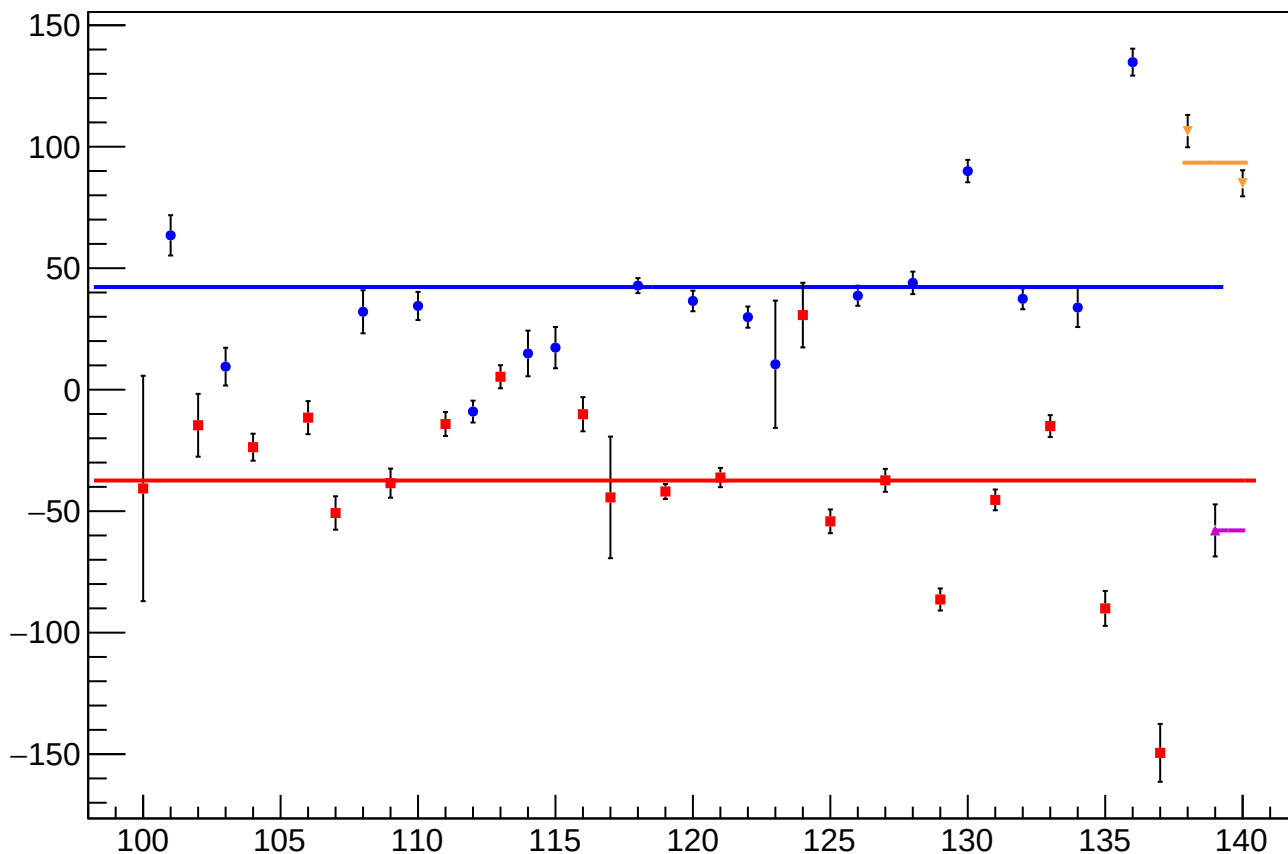
Left In: -304.890 $\pm$ 6.756 χ^2/NDF : 0.0/0

263.554 $\pm$ 1.876 χ^2/NDF : 1434.7/18

2.417 $\pm$ 1.333 χ^2/NDF : 43144.8/39

-263.793 $\pm$ 1.894 χ^2/NDF : 2585.5/20

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 $\pm$ 1.274 χ^2/NDF : 574.4/16

Left Out: 93.437 $\pm$ 4.178 χ^2/NDF : 6.3/1

Right Out: -37.384 $\pm$ 1.233 χ^2/NDF : 472.4/19

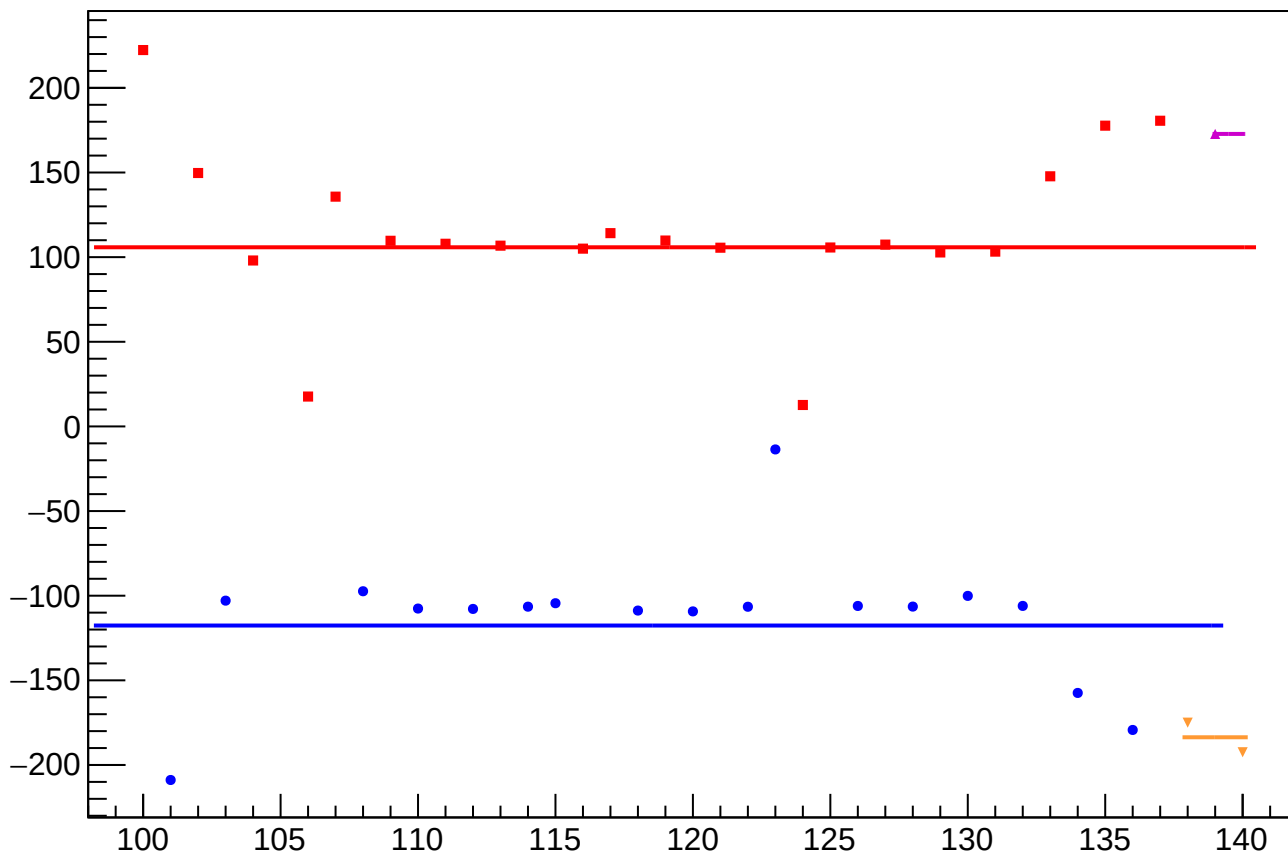
Left In: -57.916 $\pm$ 10.712 χ^2/NDF : 0.0/0

46.595 $\pm$ 1.218 χ^2/NDF : 718.1/18

4.701 $\pm$ 0.864 χ^2/NDF : 3572.2/39

-37.652 $\pm$ 1.225 χ^2/NDF : 476.0/20

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: -183.636 ± 0.178 χ^2/NDF : 2410.2/1

Right Out: 105.826 ± 0.073 χ^2/NDF : 323138.4/19

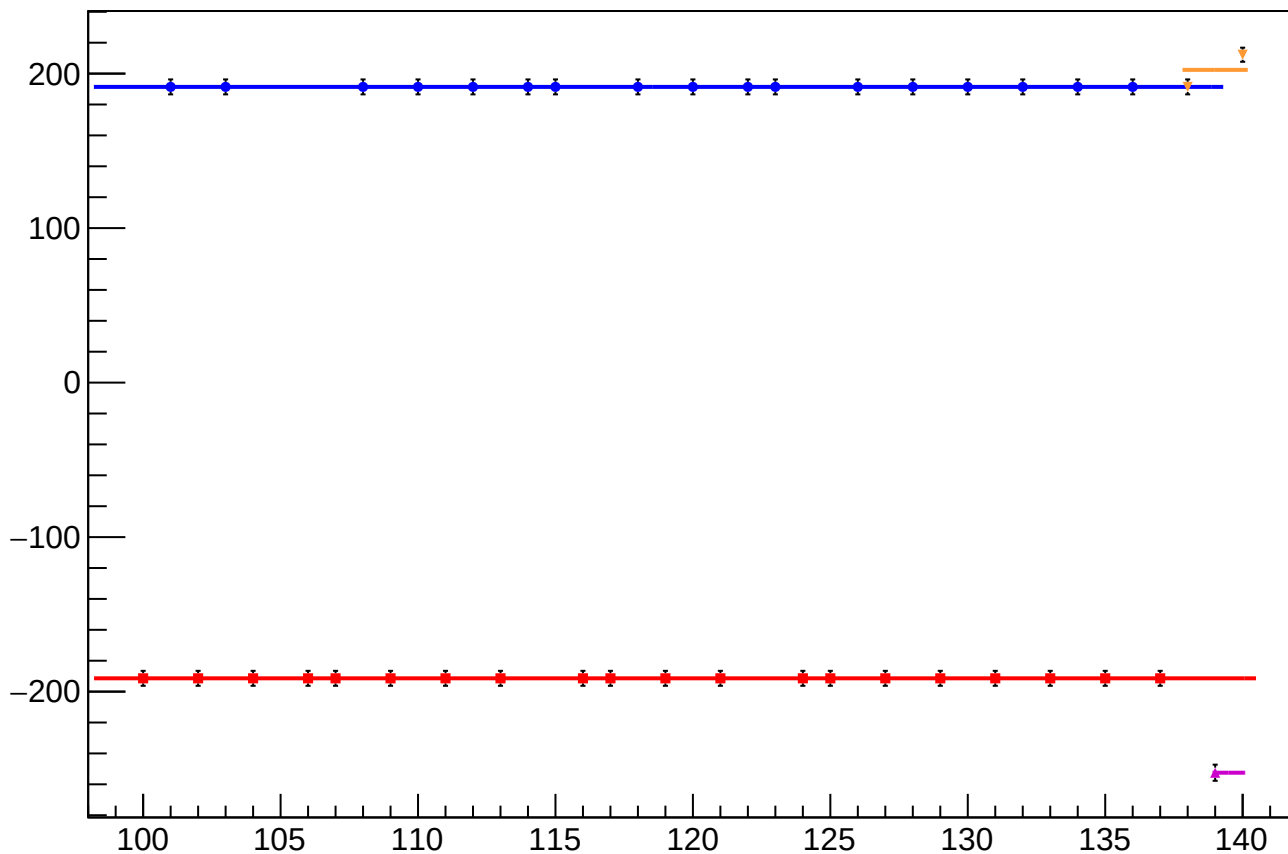
Left In: 172.788 ± 0.237 χ^2/NDF : 0.0/0

-128.377 ± 0.072 χ^2/NDF : 259380.2/18

-4.429 ± 0.050 χ^2/NDF : 6418027.8/39

111.610 ± 0.070 χ^2/NDF : 396351.4/20

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 191.392 $\pm$ 1.175 χ^2/NDF : 0.0/16

Left Out: 202.408 $\pm$ 3.325 χ^2/NDF : 9.8/1

Right Out: -191.392 $\pm$ 1.083 χ^2/NDF : 0.0/19

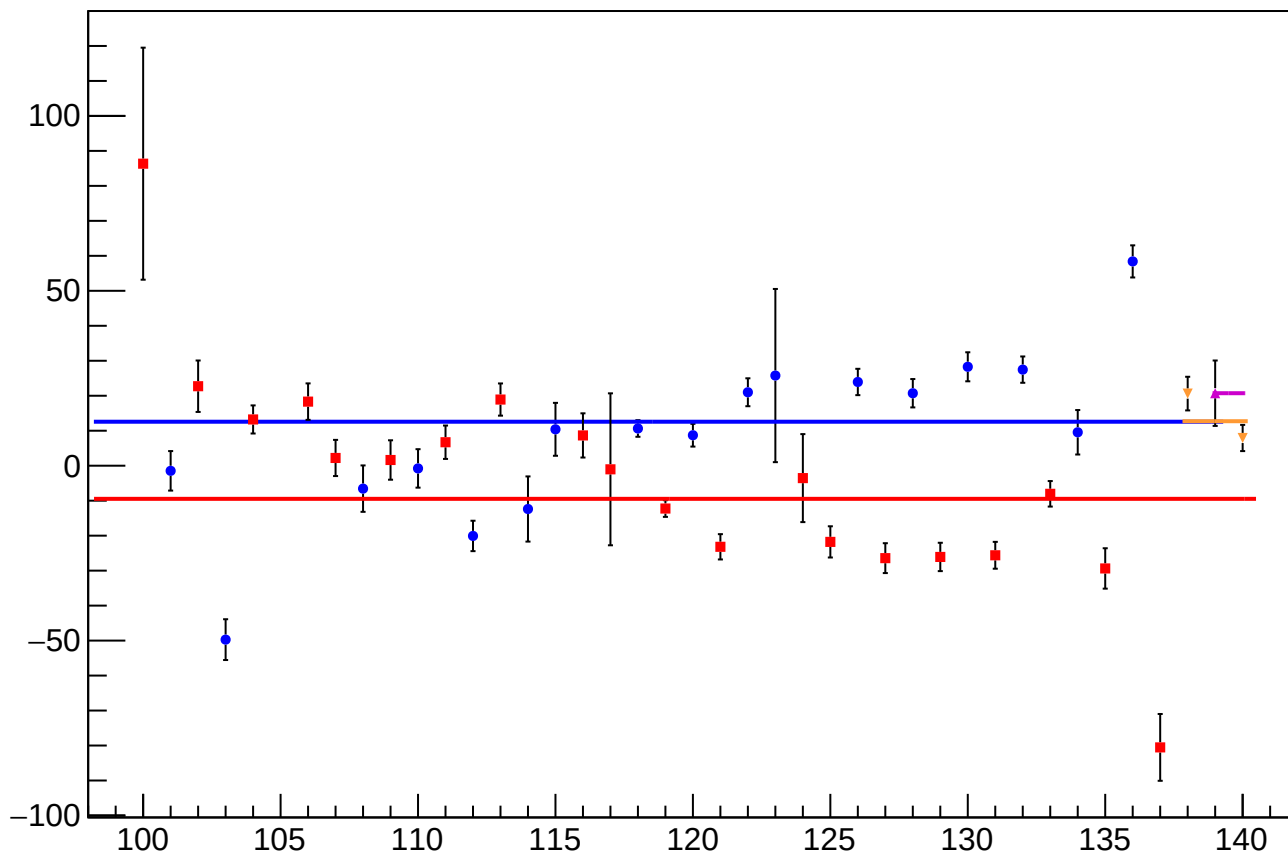
Left In: -252.491 $\pm$ 5.229 χ^2/NDF : 0.0/0

192.616 $\pm$ 1.108 χ^2/NDF : 19.5/18

-9.032 $\pm$ 0.766 χ^2/NDF : 63643.4/39

-193.908 $\pm$ 1.061 χ^2/NDF : 130.9/20

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 12.718 $\pm$ 2.956 χ^2 /NDF: 4.3/1

Right Out: -9.474 $\pm$ 1.046 χ^2 /NDF: 296.0/19

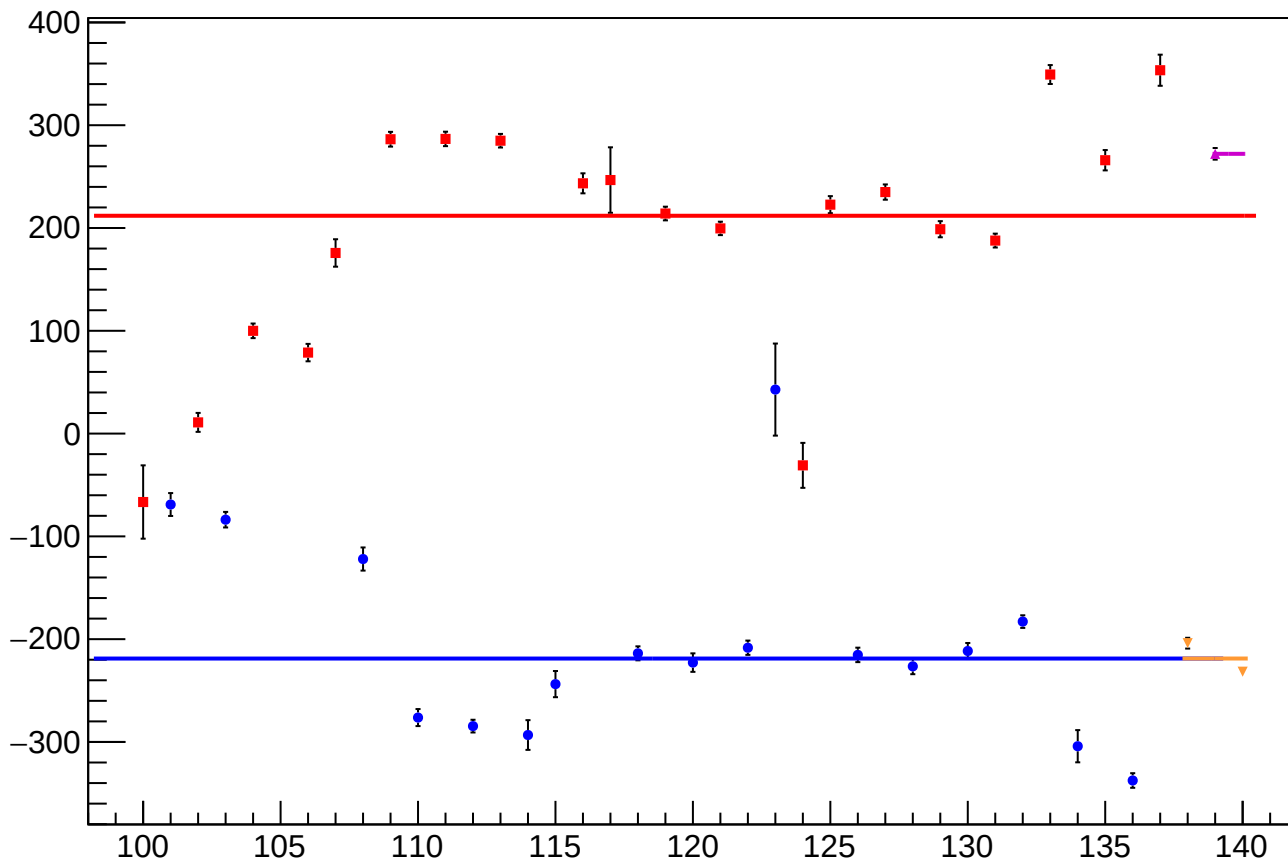
Left In: 20.724 $\pm$ 9.350 χ^2 /NDF: 0.0/0

12.591 $\pm$ 1.009 χ^2 /NDF: 352.3/18

2.065 $\pm$ 0.724 χ^2 /NDF: 882.7/39

-9.100 $\pm$ 1.040 χ^2 /NDF: 306.3/20

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: -218.834+/-3.570 χ^2/NDF : 15.0/1

Right Out: 211.907+/-1.920 χ^2/NDF : 1886.4/19

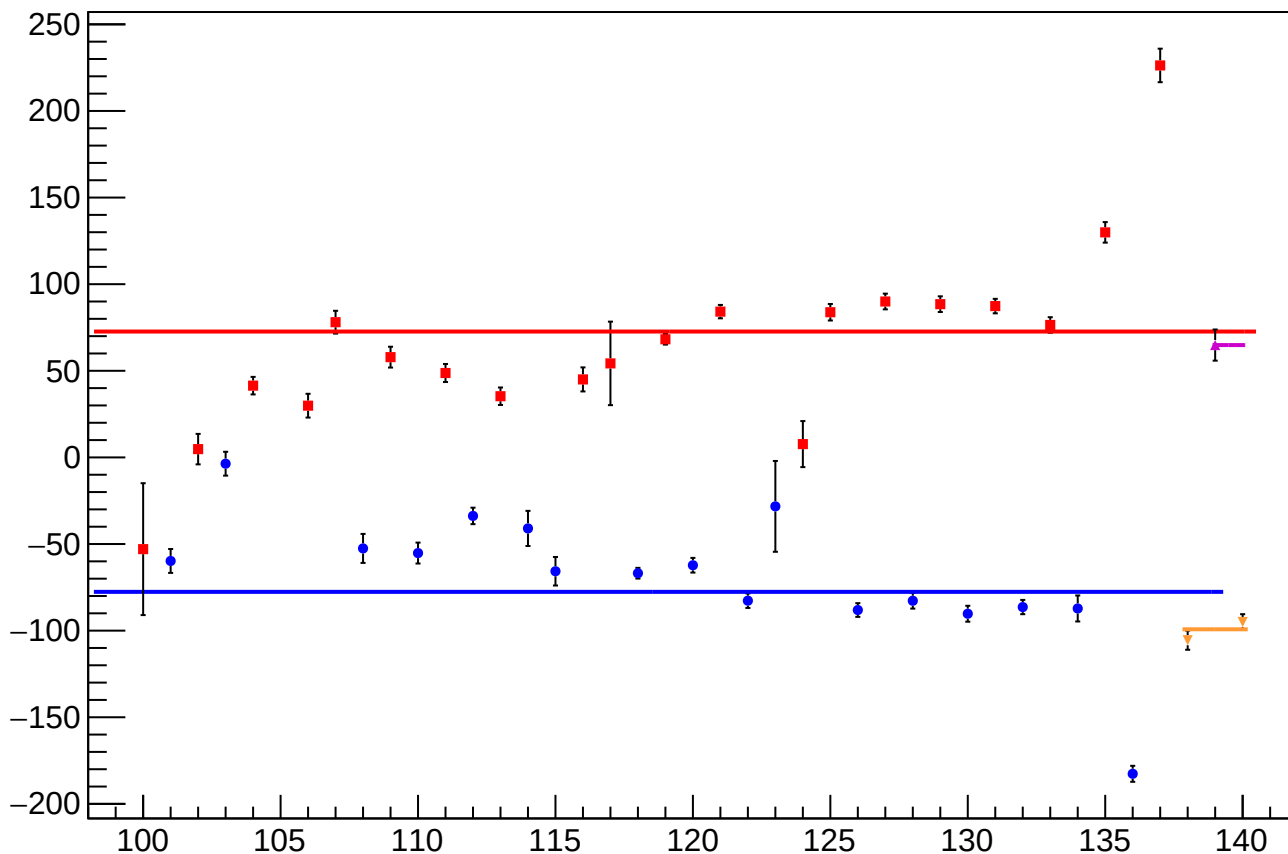
Left In: 272.159+/-5.667 χ^2/NDF : 0.0/0

-218.850+/-1.760 χ^2/NDF : 1161.6/18

-7.575+/-1.265 χ^2/NDF : 32963.1/39

218.112+/-1.819 χ^2/NDF : 1987.8/20

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 $\pm$ 1.236 χ^2/NDF : 815.9/16

Left Out: -99.223 $\pm$ 3.499 χ^2/NDF : 2.2/1

Right Out: 72.664 $\pm$ 1.205 χ^2/NDF : 672.0/19

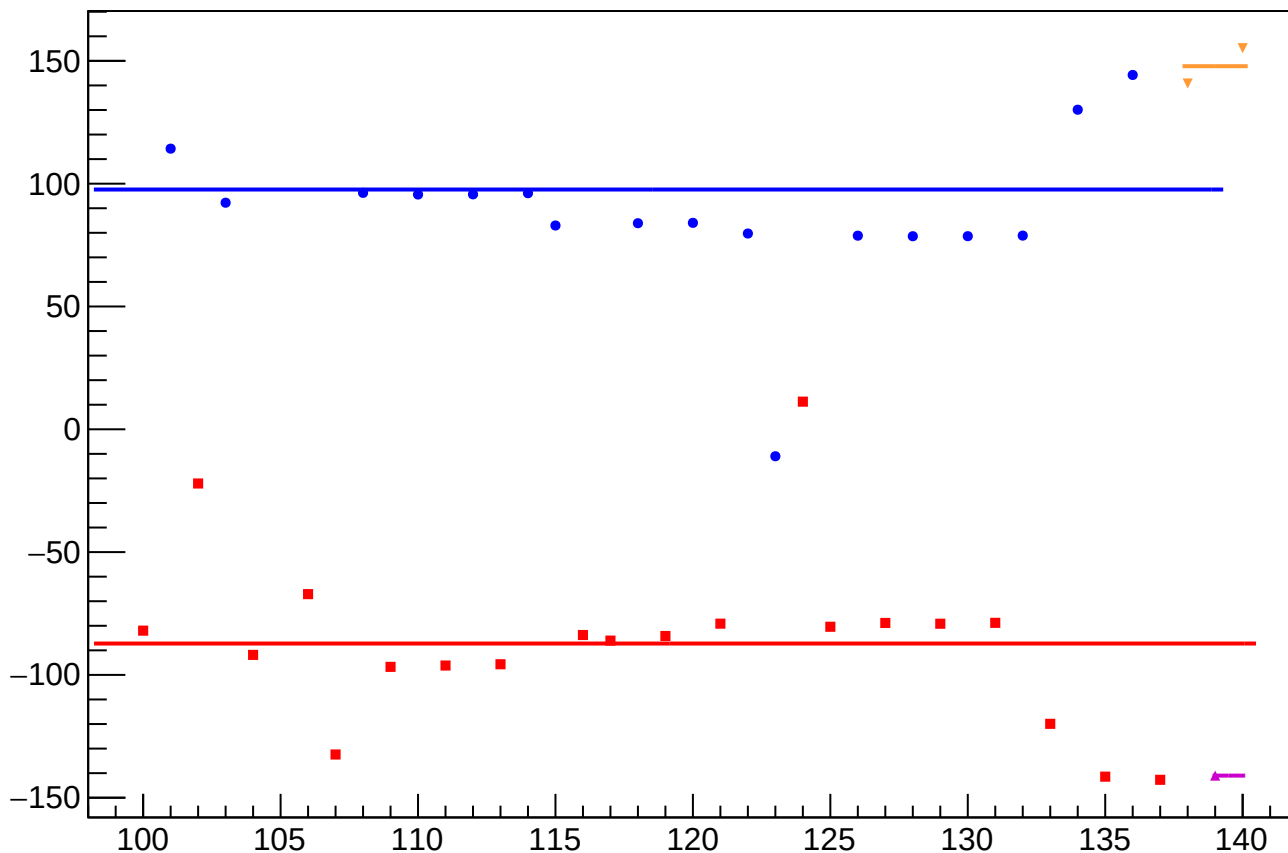
Left In: 64.848 $\pm$ 8.995 χ^2/NDF : 0.0/0

-80.011 $\pm$ 1.166 χ^2/NDF : 852.0/18

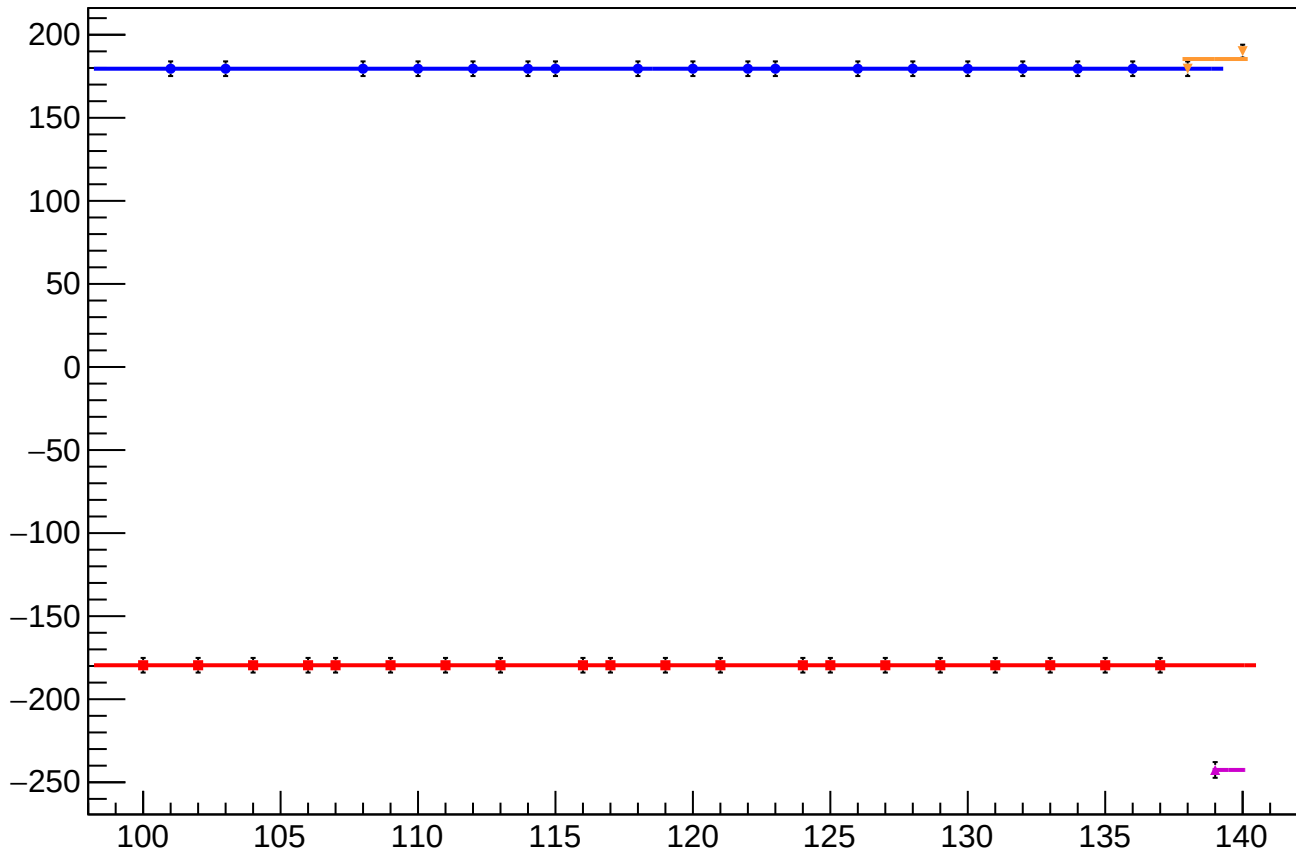
-5.563 $\pm$ 0.834 χ^2/NDF : 9879.8/39

72.526 $\pm$ 1.194 χ^2/NDF : 672.8/20

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 179.552 $\pm$ 1.071 χ^2/NDF : 0.0/16

Left Out: 185.393 $\pm$ 2.946 χ^2/NDF : 3.2/1

Right Out: -179.552 $\pm$ 0.988 χ^2/NDF : 0.0/19

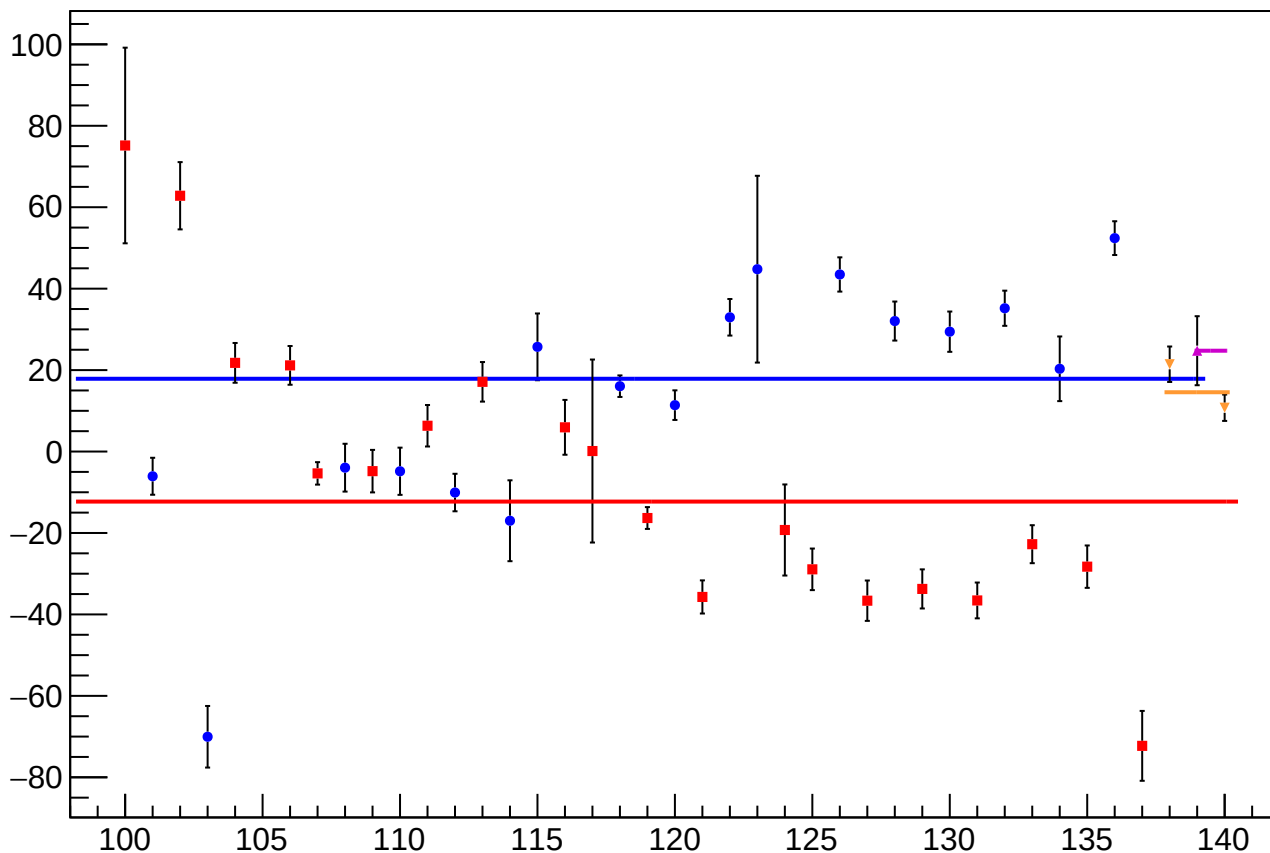
Left In: -242.571 $\pm$ 4.732 χ^2/NDF : 0.0/0

180.234 $\pm$ 1.007 χ^2/NDF : 6.6/18

-8.306 $\pm$ 0.697 χ^2/NDF : 67608.7/39

-182.182 $\pm$ 0.967 χ^2/NDF : 169.9/20

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 $\pm$ 1.166 χ^2/NDF : 395.3/16

Left Out: 14.563 $\pm$ 2.598 χ^2/NDF : 3.9/1

Right Out: -12.288 $\pm$ 1.082 χ^2/NDF : 444.4/19

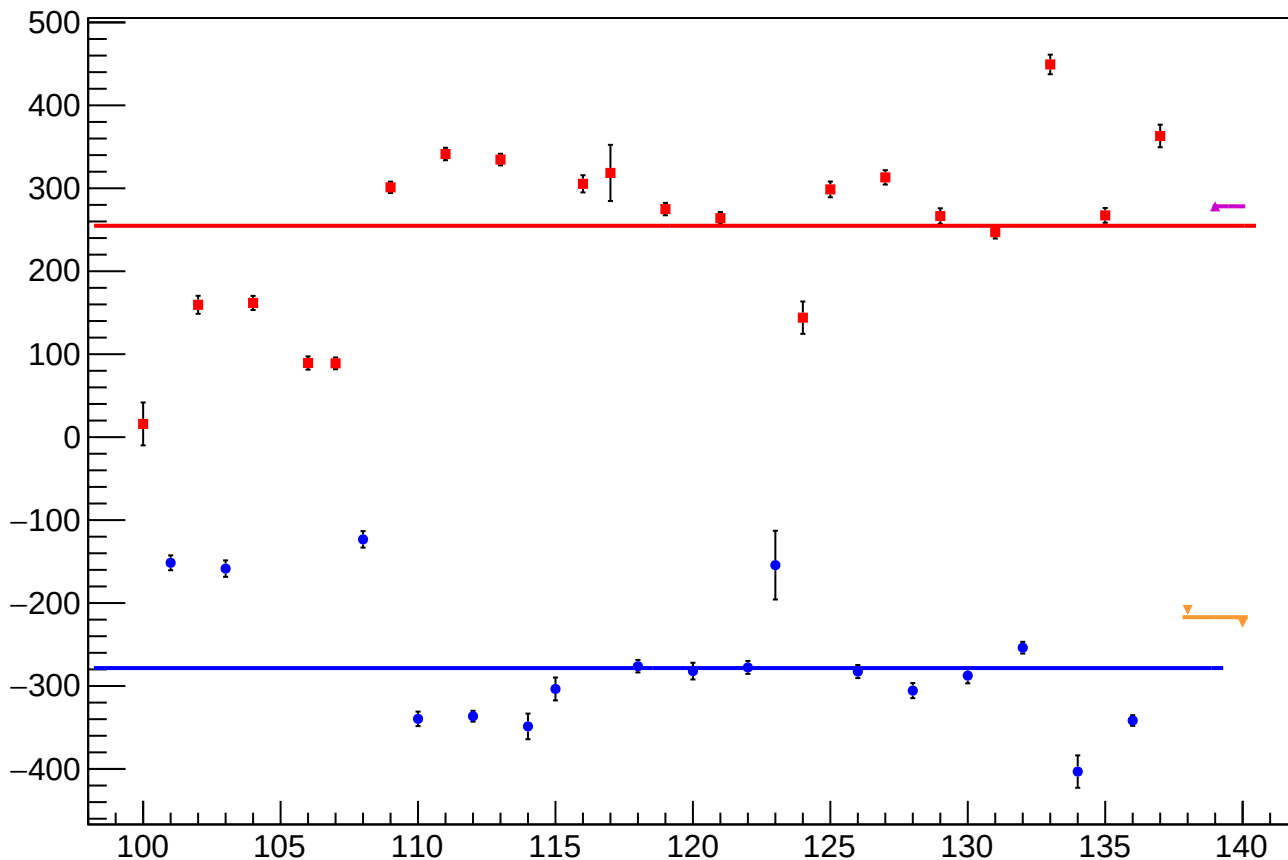
Left In: 24.761 $\pm$ 8.475 χ^2/NDF : 0.0/0

17.318 $\pm$ 1.064 χ^2/NDF : 400.6/18

2.944 $\pm$ 0.756 χ^2/NDF : 1232.3/39

-11.694 $\pm$ 1.073 χ^2/NDF : 463.2/20

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380 ± 2.185 $\chi^2/\text{NDF}: 910.6/16$

Left Out: -217.067 ± 3.161 $\chi^2/\text{NDF}: 5.9/1$

Right Out: 254.830 ± 2.016 $\chi^2/\text{NDF}: 2041.0/19$

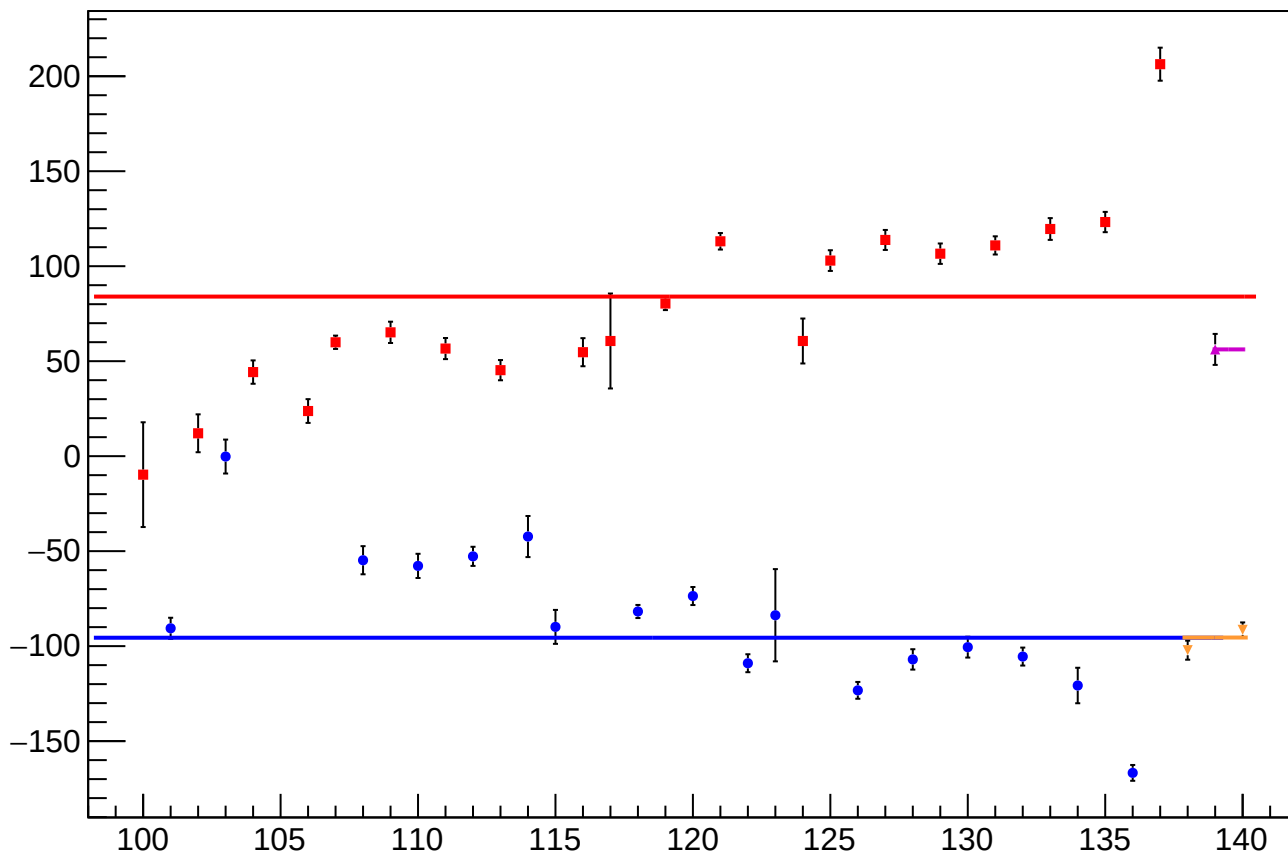
Left In: 278.271 ± 5.128 $\chi^2/\text{NDF}: 0.0/0$

-258.562 ± 1.797 $\chi^2/\text{NDF}: 1171.1/18$

-11.402 ± 1.298 $\chi^2/\text{NDF}: 42748.7/39$

257.969 ± 1.876 $\chi^2/\text{NDF}: 2059.1/20$

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: -95.472 ± 3.082 χ^2/NDF : 2.8/1

Right Out: 84.003 ± 1.255 χ^2/NDF : 784.1/19

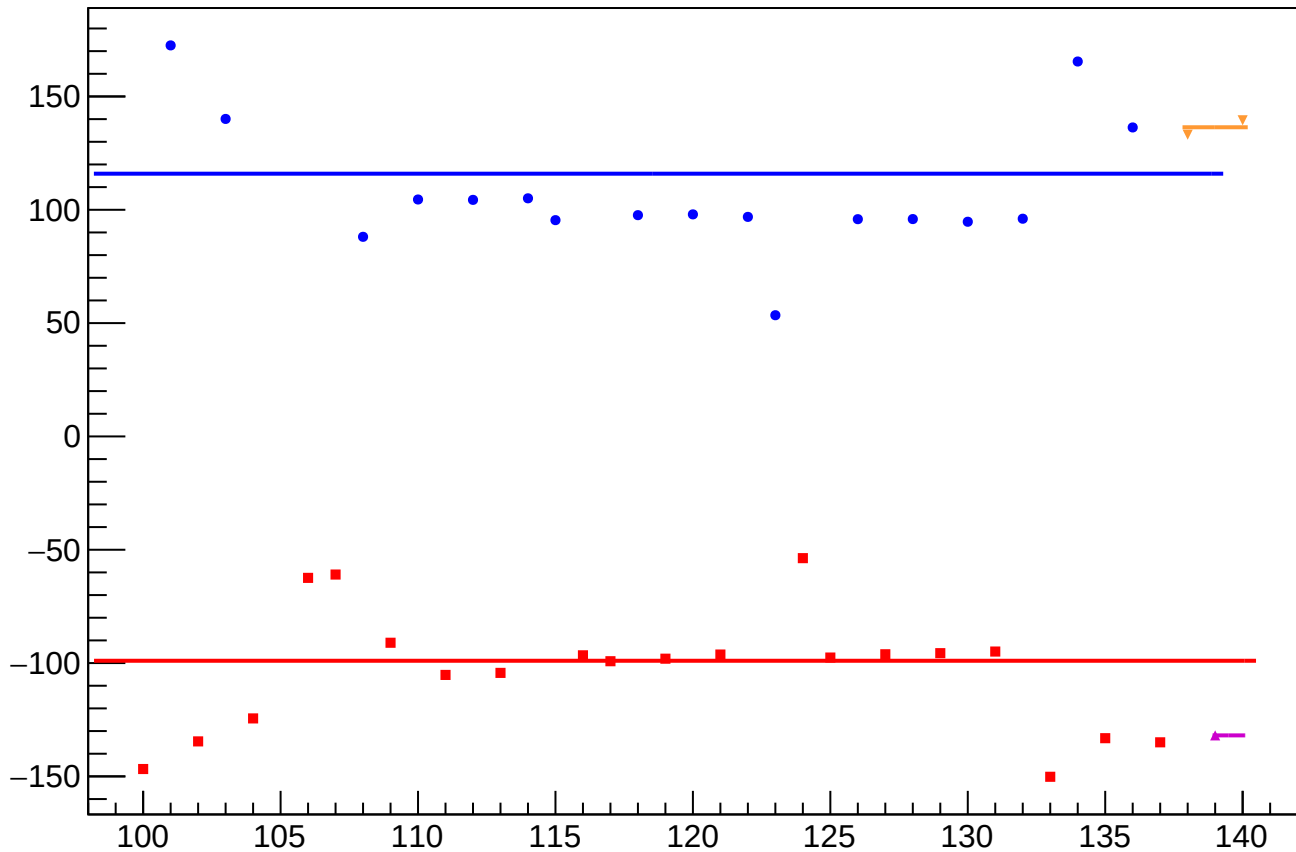
Left In: 56.198 ± 8.154 χ^2/NDF : 0.0/0

-95.560 ± 1.229 χ^2/NDF : 674.1/18

-6.922 ± 0.873 χ^2/NDF : 11965.5/39

83.360 ± 1.241 χ^2/NDF : 795.4/20

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927+/-0.078 χ^2/NDF : 105791.4/16

Left Out: 136.414+/-0.132 χ^2/NDF : 576.6/1

Right Out: -98.982+/-0.068 χ^2/NDF : 172974.2/19

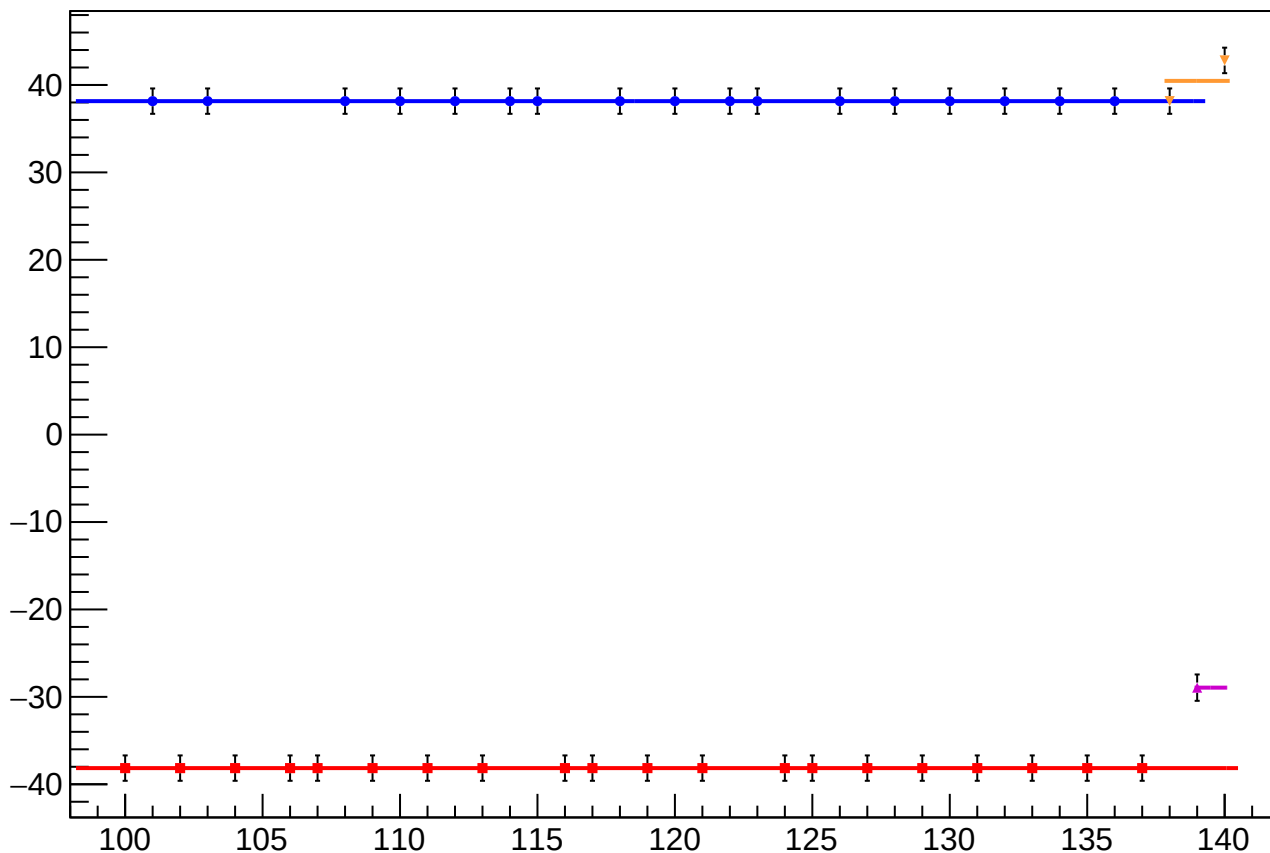
Left In: -131.909+/-0.180 χ^2/NDF : 0.0/0

121.254+/-0.067 χ^2/NDF : 124111.5/18

3.184+/-0.046 χ^2/NDF : 6147508.4/39

-103.136+/-0.064 χ^2/NDF : 202140.9/20

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 38.151+/-0.352 χ^2 /NDF: 0.0/16

Left Out: 40.468+/-1.029 χ^2 /NDF:5.1/1

Right Out: -38.151+/-0.325 χ^2 /NDF: 0.0/19

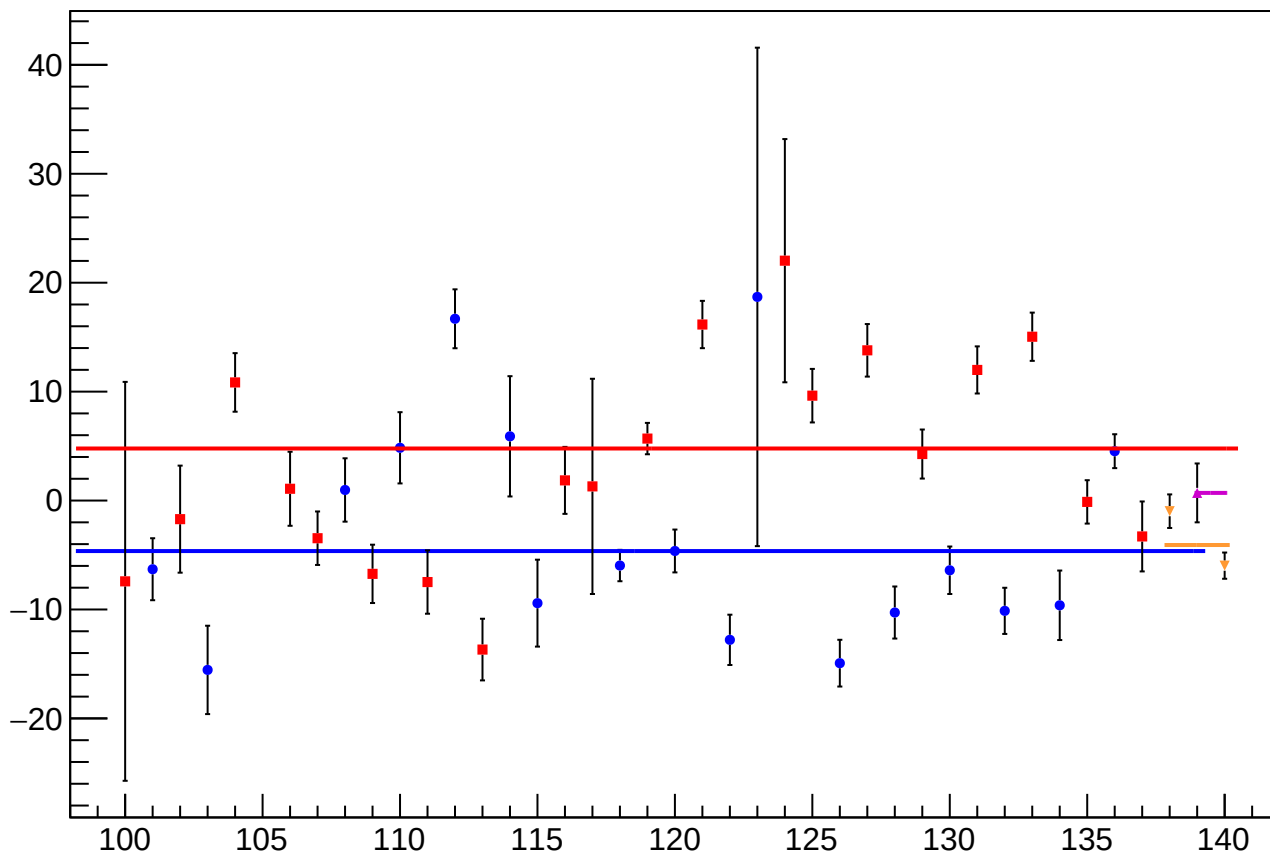
Left In: -28.945+/-1.508 χ^2 /NDF:0.0/0

38.394+/-0.333 χ^2 /NDF: 9.7/18

-1.521+/-0.230 χ^2 /NDF: 27435.1/39

-37.744+/-0.317 χ^2 /NDF: 35.6/20

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: -4.082+/-0.949 χ^2/NDF : 6.5/1

Right Out: 4.779+/-0.583 χ^2/NDF : 192.7/19

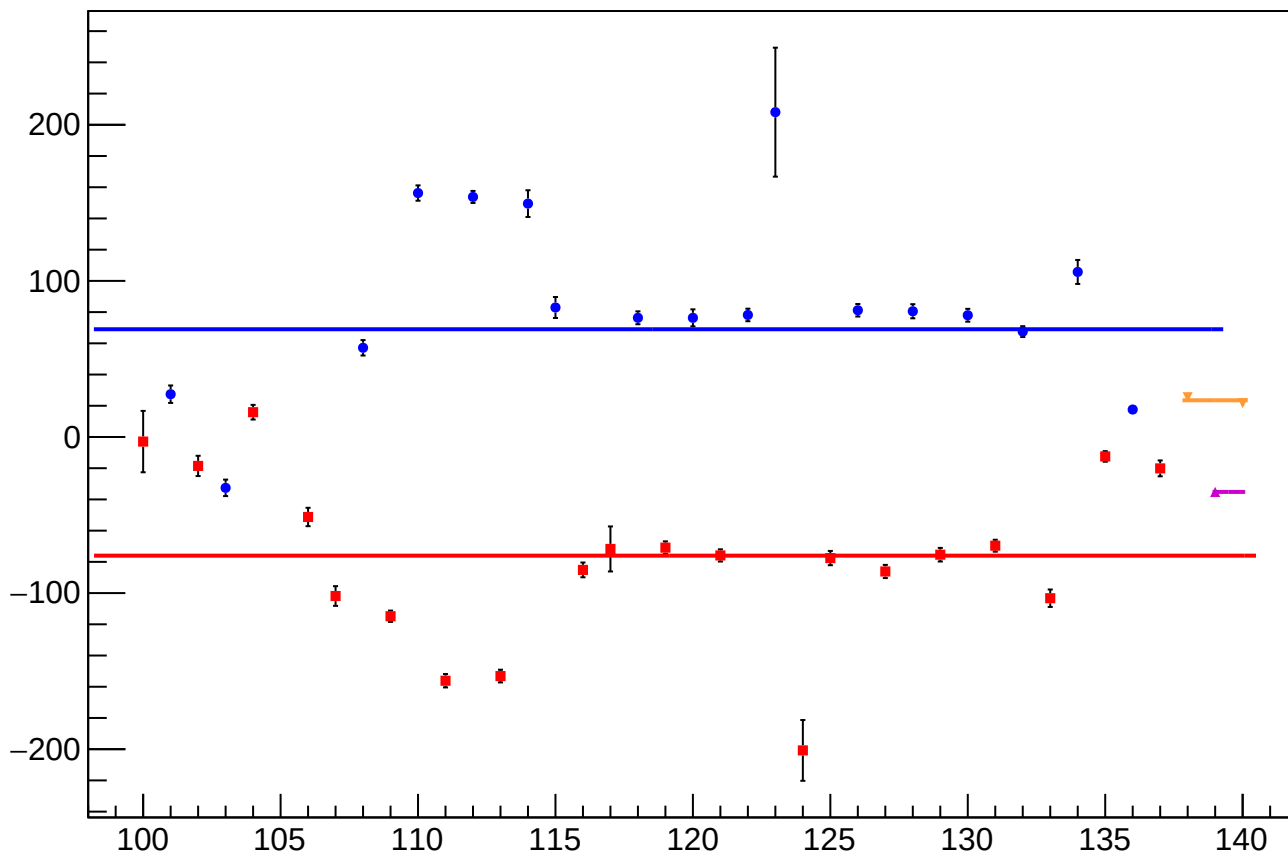
Left In: 0.702+/-2.702 χ^2/NDF : 0.0/0

-4.483+/-0.500 χ^2/NDF : 181.2/18

-0.541+/-0.376 χ^2/NDF : 519.5/39

4.597+/-0.570 χ^2/NDF : 194.8/20

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: 23.516+/-1.106 χ^2/NDF : 3.0/1

Right Out: -76.017+/-1.067 χ^2/NDF : 1882.0/19

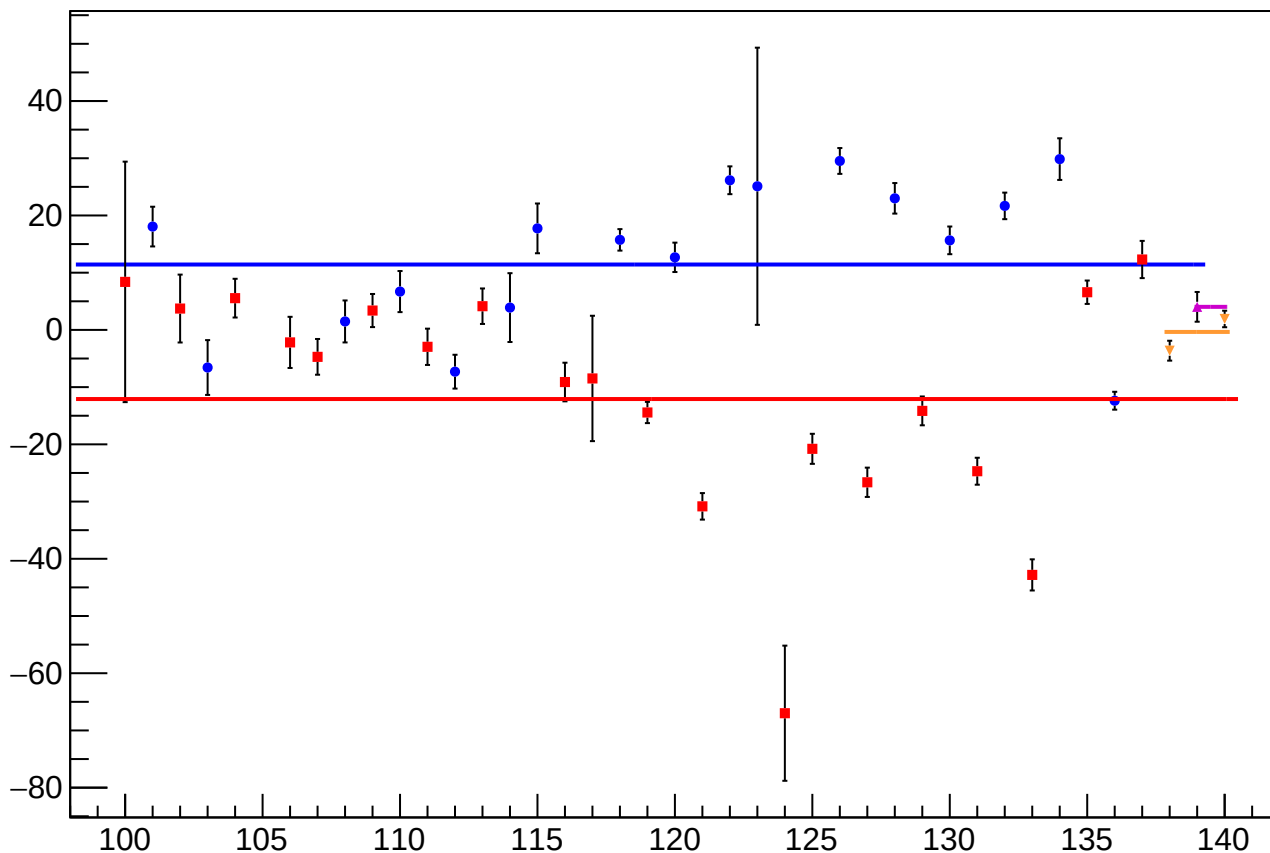
Left In: -35.190+/-1.634 χ^2/NDF : 0.0/0

46.737+/-0.774 χ^2/NDF : 2714.8/18

-0.662+/-0.585 χ^2/NDF : 13782.0/39

-63.817+/-0.893 χ^2/NDF : 2319.5/20

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: -0.353 ± 1.111 χ^2/NDF : 6.0/1

Right Out: -12.082 ± 0.663 χ^2/NDF : 539.2/19

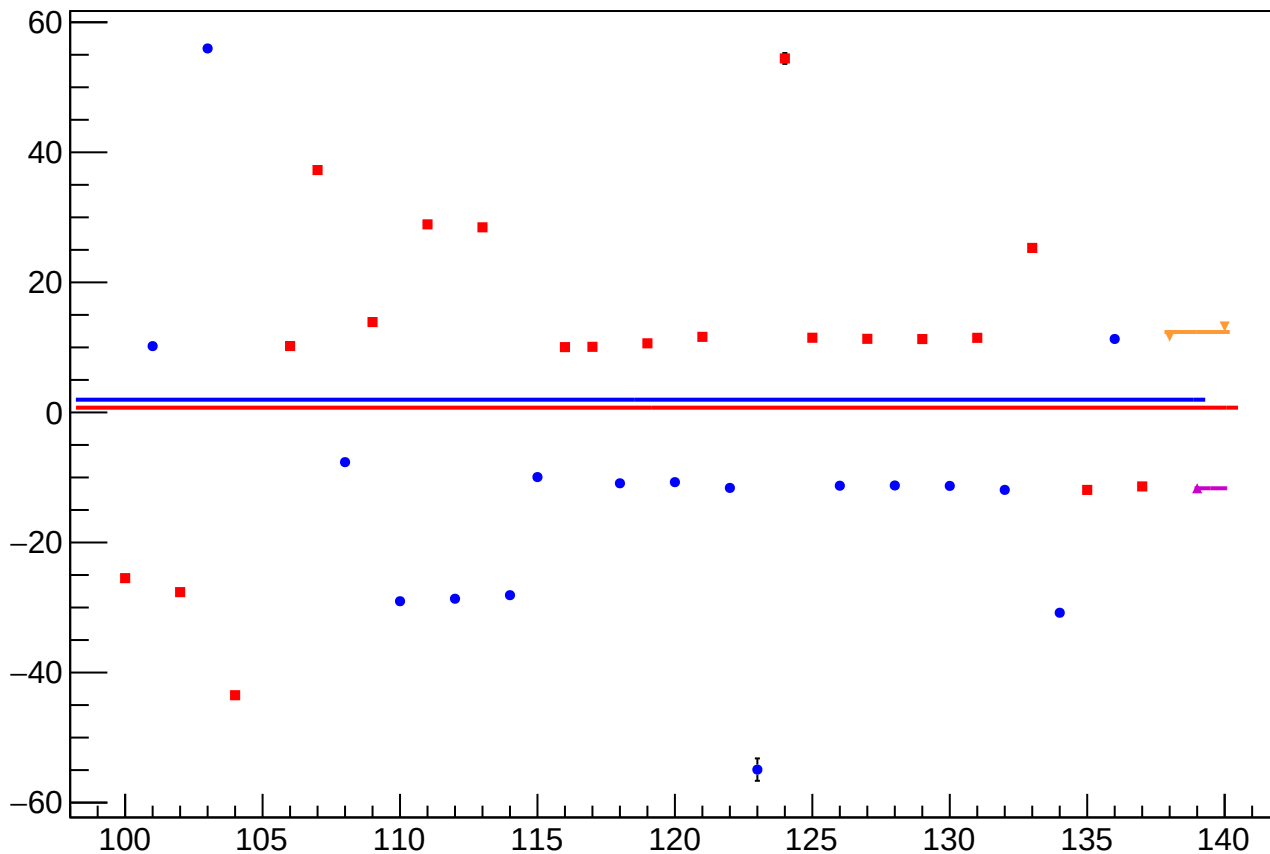
Left In: 4.030 ± 2.600 χ^2/NDF : 0.0/0

8.318 ± 0.571 χ^2/NDF : 565.5/18

-0.253 ± 0.427 χ^2/NDF : 1651.4/39

-11.099 ± 0.642 χ^2/NDF : 575.3/20

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960+/-0.037 χ^2/NDF : 358457.0/16

Left Out: 12.369+/-0.045 χ^2/NDF : 285.1/1

Right Out: 0.733+/-0.037 χ^2/NDF : 361368.4/19

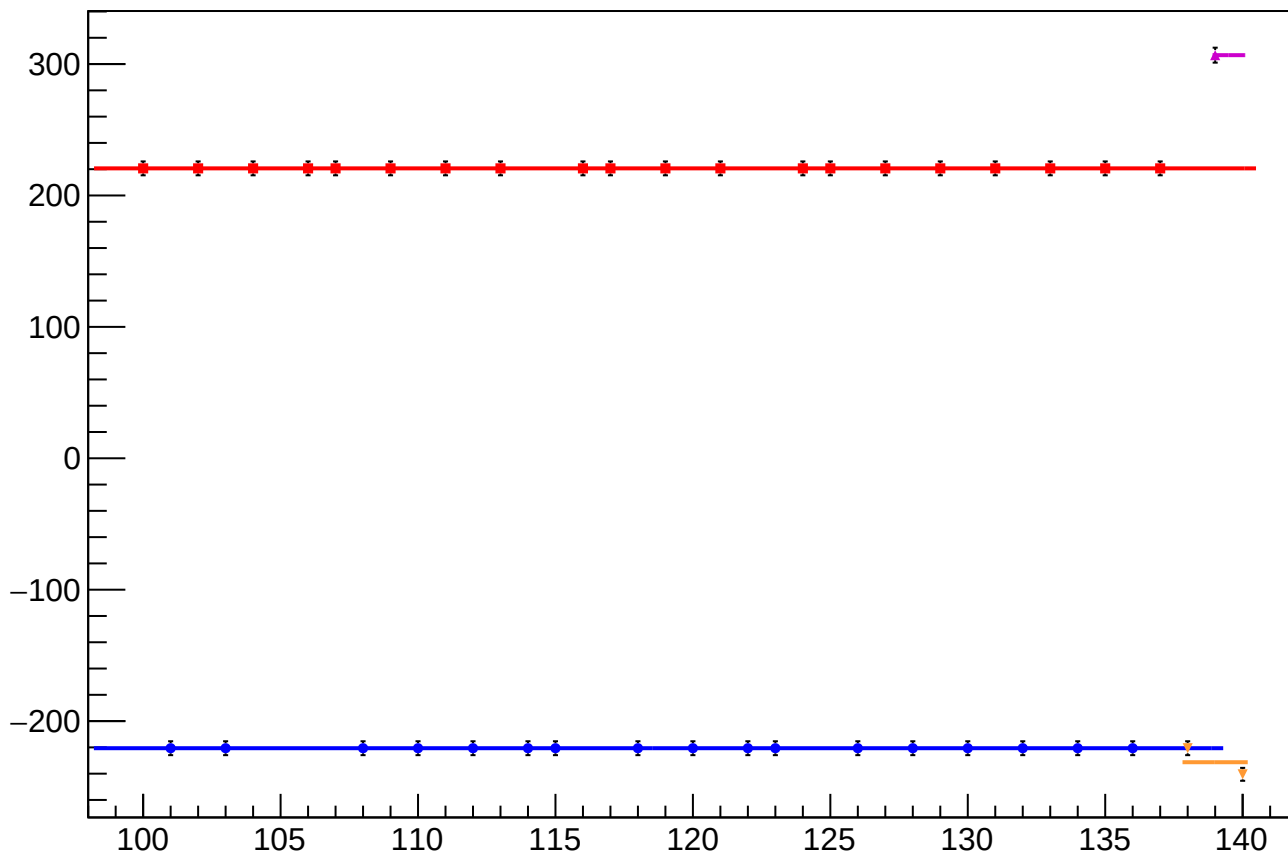
Left In: -11.661+/-0.057 χ^2/NDF : 0.0/0

6.137+/-0.029 χ^2/NDF : 390251.9/18

1.974+/-0.021 χ^2/NDF : 830117.9/39

-2.912+/-0.031 χ^2/NDF : 394263.5/20

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -220.625 $\pm$ 1.284 χ^2/NDF : 0.0/16

Left Out: -231.291 $\pm$ 3.604 χ^2/NDF : 7.6/1

Right Out: 220.625 $\pm$ 1.184 χ^2/NDF : 0.0/19

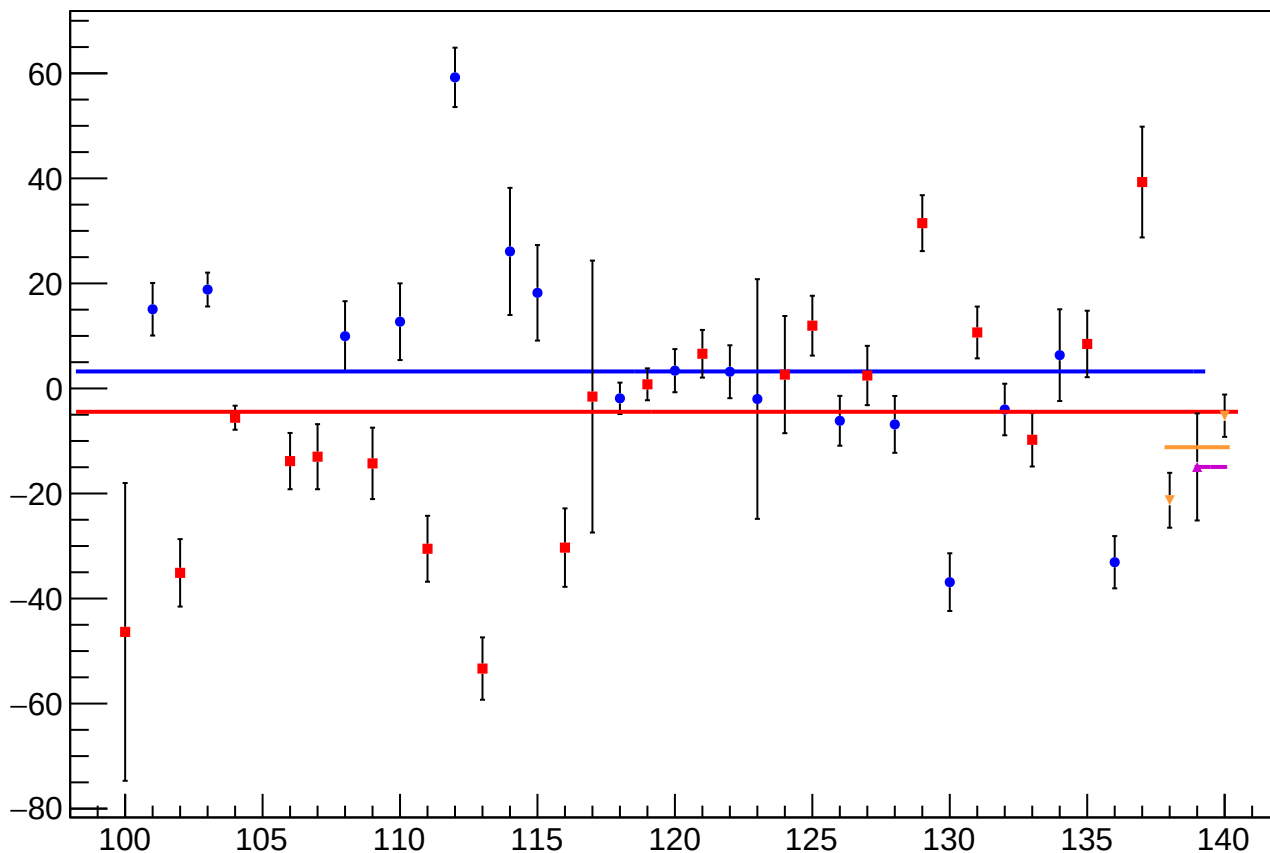
Left In: 306.776 $\pm$ 5.700 χ^2/NDF : 0.0/0

-221.826 $\pm$ 1.210 χ^2/NDF : 15.3/18

10.683 $\pm$ 0.837 χ^2/NDF : 71122.5/39

224.187 $\pm$ 1.159 χ^2/NDF : 219.0/20

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: -11.190 $\pm$ 3.189 χ^2 /NDF: 6.0/1

Right Out: -4.444 $\pm$ 1.156 χ^2 /NDF: 225.8/19

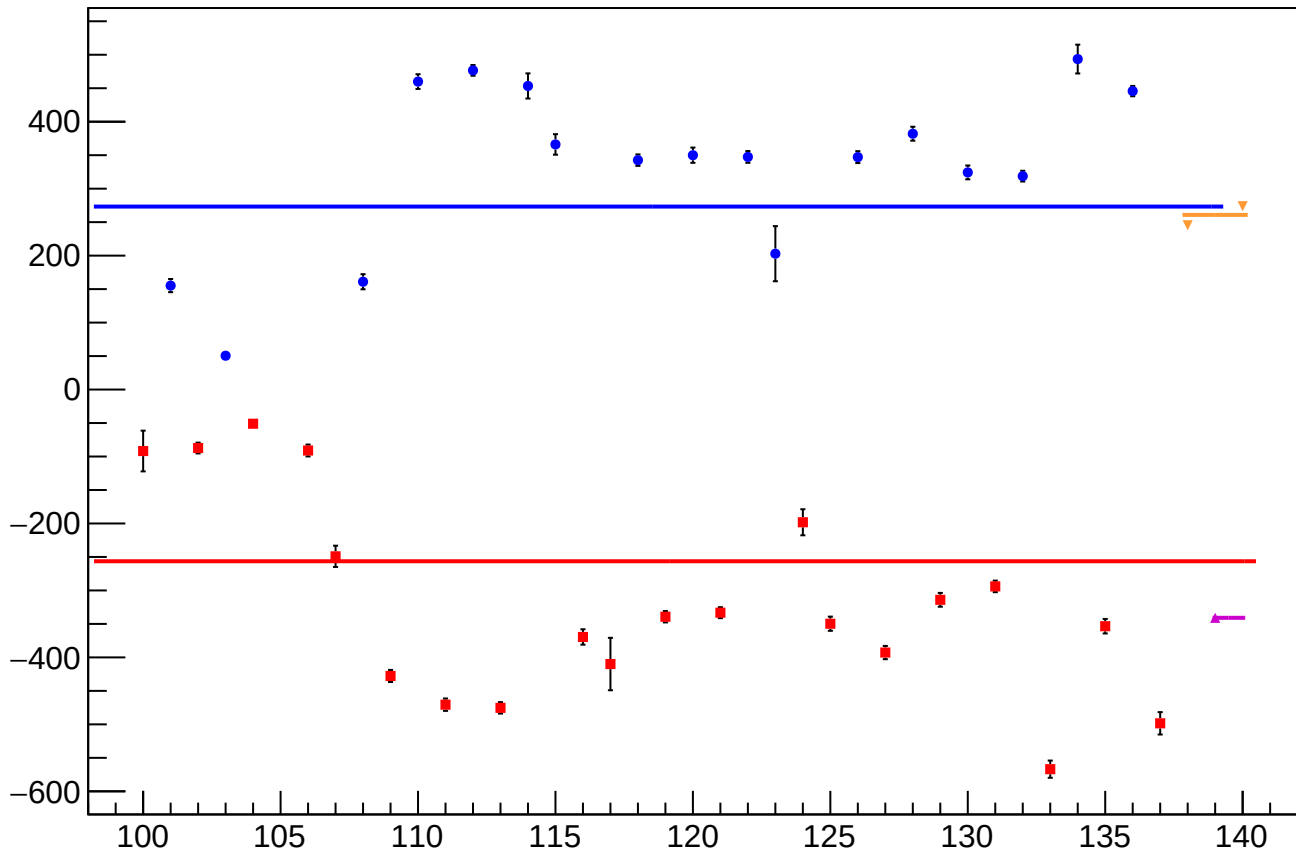
Left In: -14.946 $\pm$ 10.190 χ^2 /NDF: 0.0/0

1.333 $\pm$ 1.159 χ^2 /NDF: 279.0/18

-1.648 $\pm$ 0.816 χ^2 /NDF: 518.9/39

-4.577 $\pm$ 1.149 χ^2 /NDF: 226.8/20

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: 260.834 $\pm$ 3.869 χ^2 /NDF:13.4/1

Right Out: -256.418 $\pm$ 2.077 χ^2 /NDF: 6453.9/19

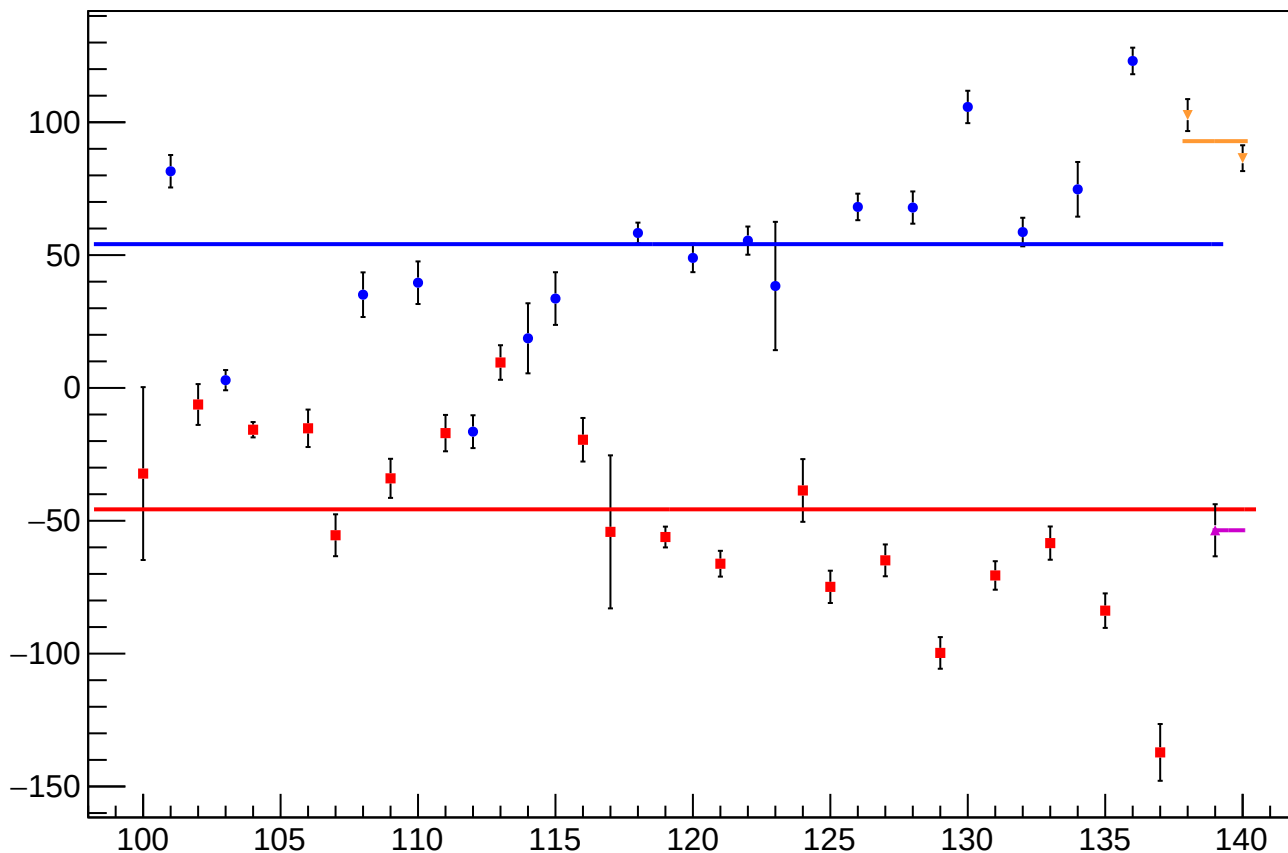
Left In: -340.876 $\pm$ 6.179 χ^2 /NDF:0.0/0

270.227 $\pm$ 1.916 χ^2 /NDF: 5122.7/18

9.928 $\pm$ 1.373 χ^2 /NDF: 49711.9/39

-264.991 $\pm$ 1.969 χ^2 /NDF: 6621.7/20

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: 92.888+/-3.781 χ^2/NDF : 4.4/1

Right Out: -45.694+/-1.356 χ^2/NDF : 531.1/19

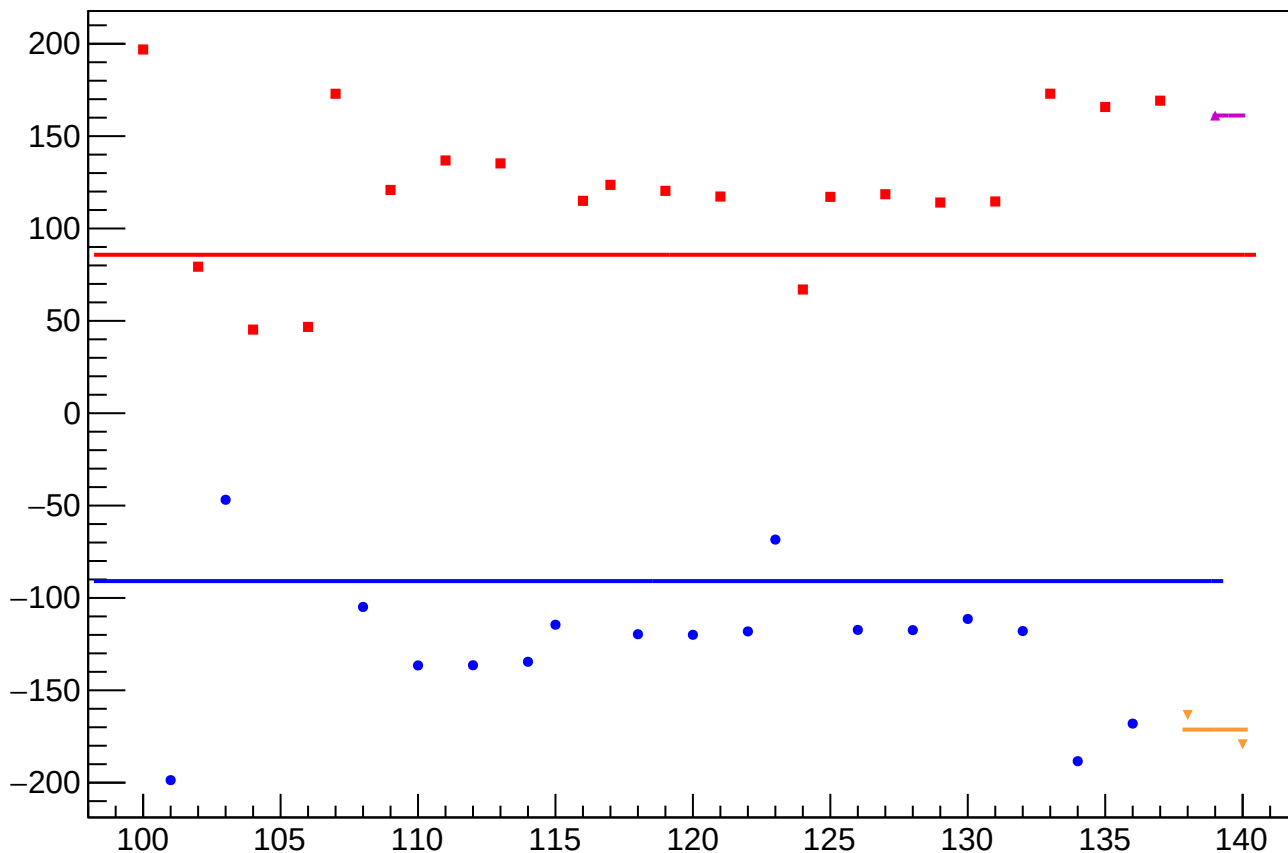
Left In: -53.568+/-9.802 χ^2/NDF : 0.0/0

59.017+/-1.344 χ^2/NDF : 730.2/18

6.545+/-0.950 χ^2/NDF : 4308.4/39

-45.842+/-1.343 χ^2/NDF : 531.7/20

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: -171.270 ± 0.162 $\chi^2/\text{NDF}: 2418.6/1$

Right Out: 85.772 ± 0.065 $\chi^2/\text{NDF}: 494629.5/19$

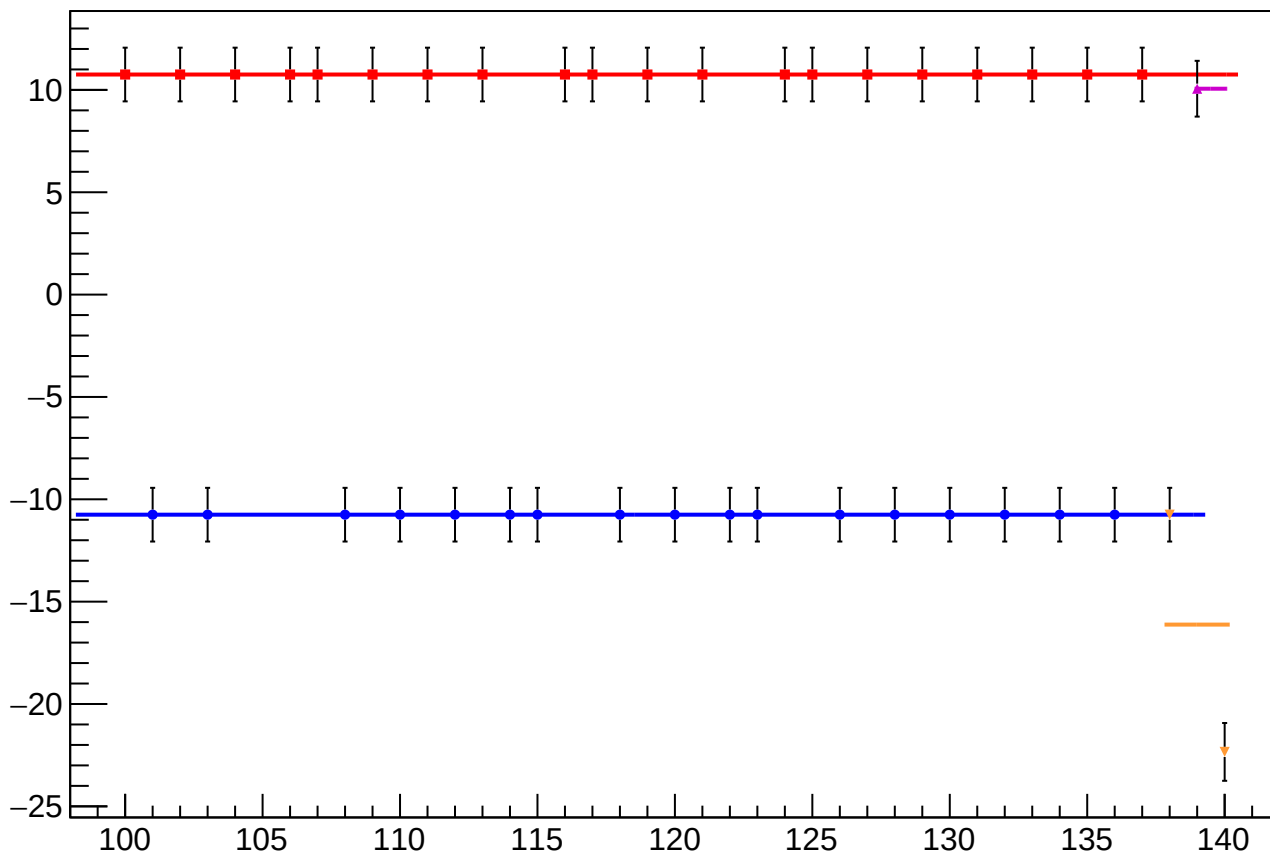
Left In: 161.168 ± 0.217 $\chi^2/\text{NDF}: 0.0/0$

-102.889 ± 0.062 $\chi^2/\text{NDF}: 746112.2/18$

-5.108 ± 0.044 $\chi^2/\text{NDF}: 6232411.7/39$

92.008 ± 0.062 $\chi^2/\text{NDF}: 605843.1/20$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -10.752 ± 0.318 χ^2/NDF : 0.0/16

Left Out: -16.121 ± 0.961 χ^2/NDF : 36.2/1

Right Out: 10.752 ± 0.293 χ^2/NDF : 0.0/19

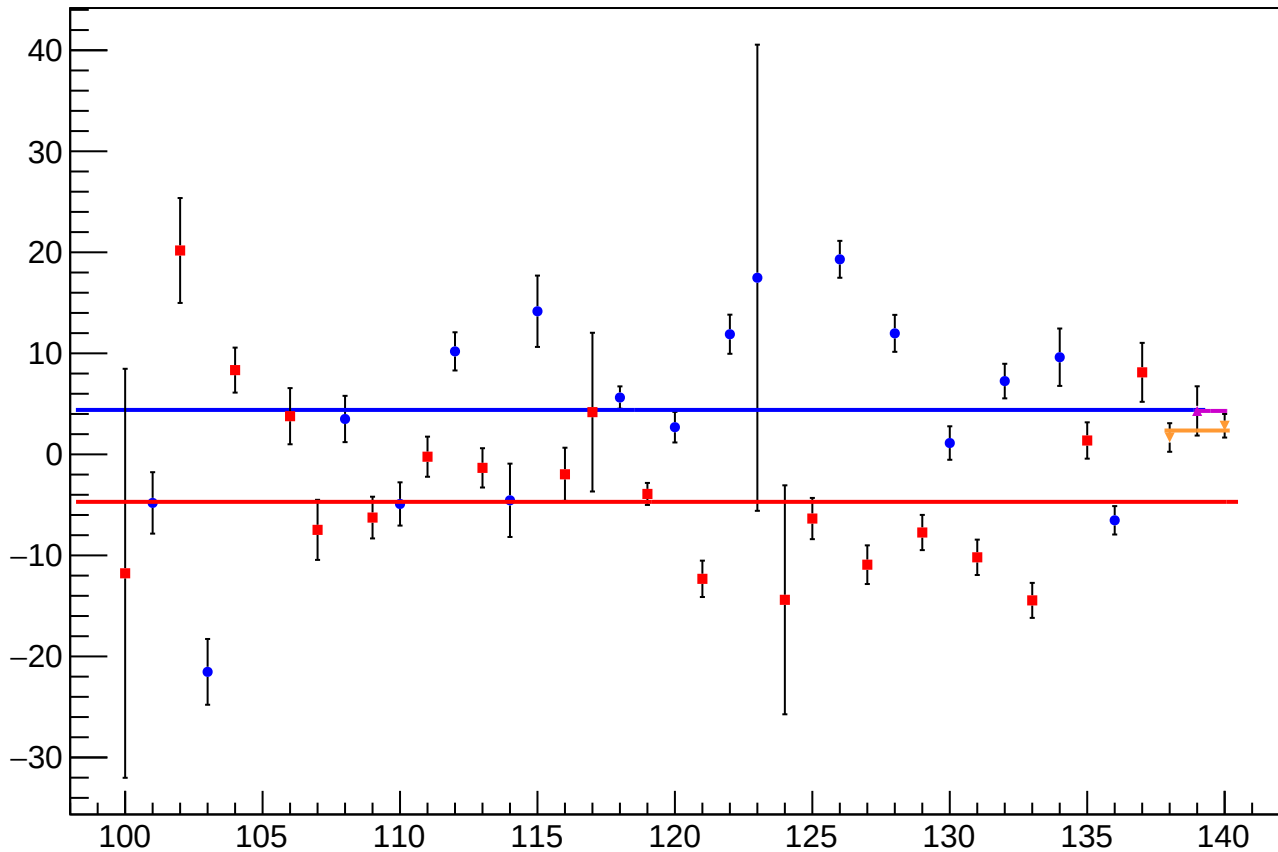
Left In: 10.058 ± 1.362 χ^2/NDF : 0.0/0

-11.282 ± 0.302 χ^2/NDF : 64.3/18

0.290 ± 0.208 χ^2/NDF : 2856.0/39

10.721 ± 0.287 χ^2/NDF : 0.2/20

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: 2.361 ± 0.900 χ^2/NDF : 0.4/1

Right Out: -4.700 ± 0.472 χ^2/NDF : 184.2/19

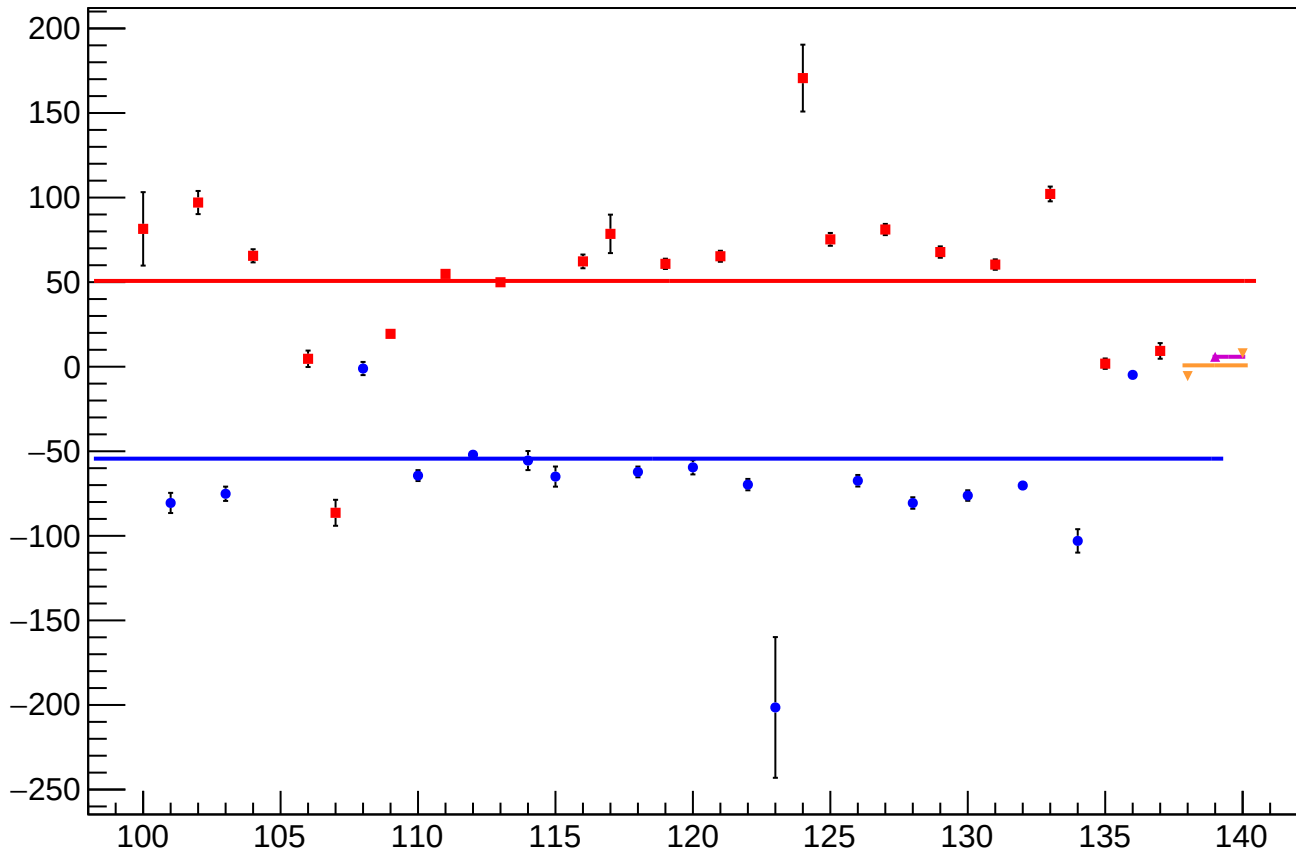
Left In: 4.300 ± 2.439 χ^2/NDF : 0.0/0

3.961 ± 0.417 χ^2/NDF : 291.3/18

0.229 ± 0.310 χ^2/NDF : 667.1/39

-4.374 ± 0.464 χ^2/NDF : 197.3/20

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: 0.800±/-1.034 χ^2/NDF :42.4/1

Right Out: 50.712±/-0.855 χ^2/NDF : 1327.3/19

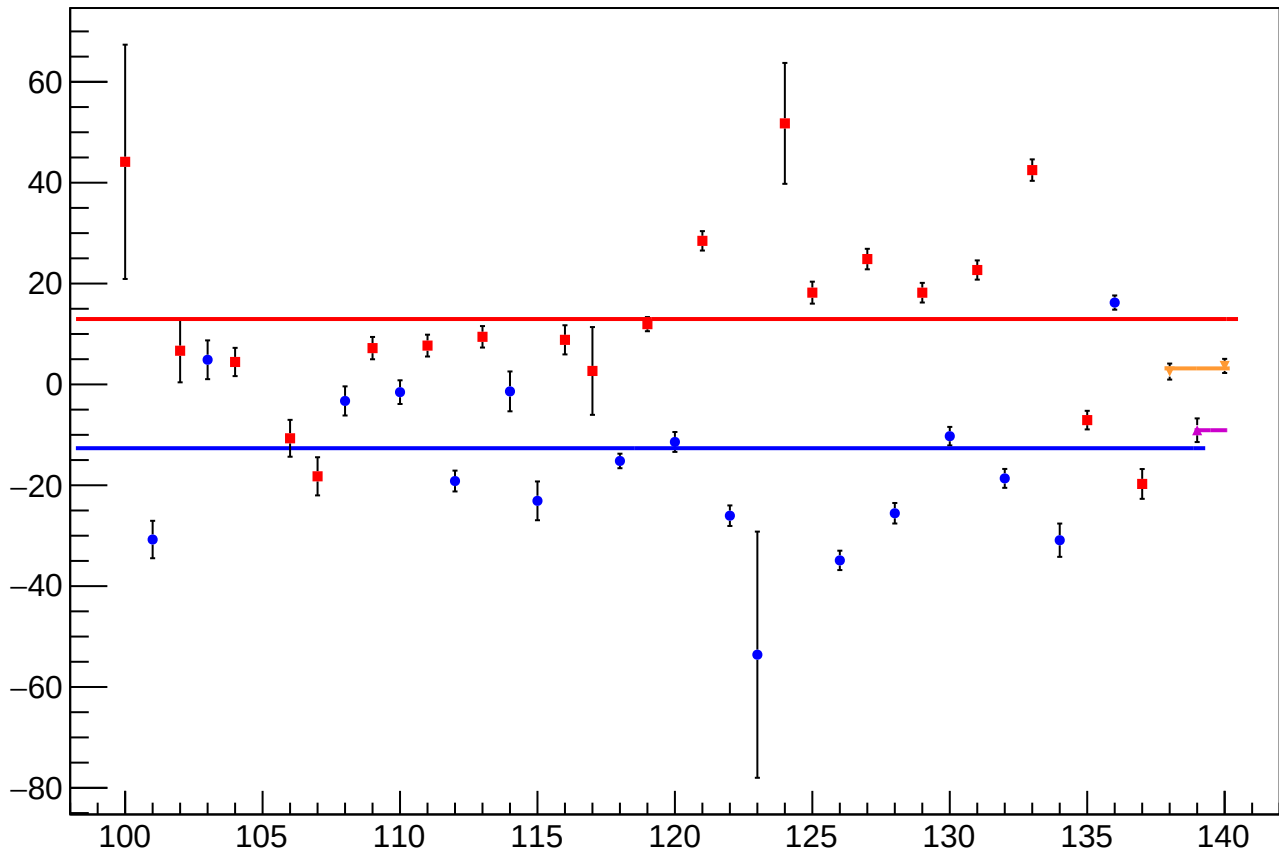
Left In: 5.873±/-1.477 χ^2/NDF :0.0/0

-31.542±/-0.665 χ^2/NDF : 2726.1/18

0.167±/-0.495 χ^2/NDF : 9837.5/39

39.451±/-0.740 χ^2/NDF : 2017.9/20

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 $\pm$ 0.536 χ^2 /NDF: 788.4/16

Left Out: 3.176 $\pm$ 1.050 χ^2 /NDF: 0.3/1

Right Out: 12.965 $\pm$ 0.536 χ^2 /NDF: 722.8/19

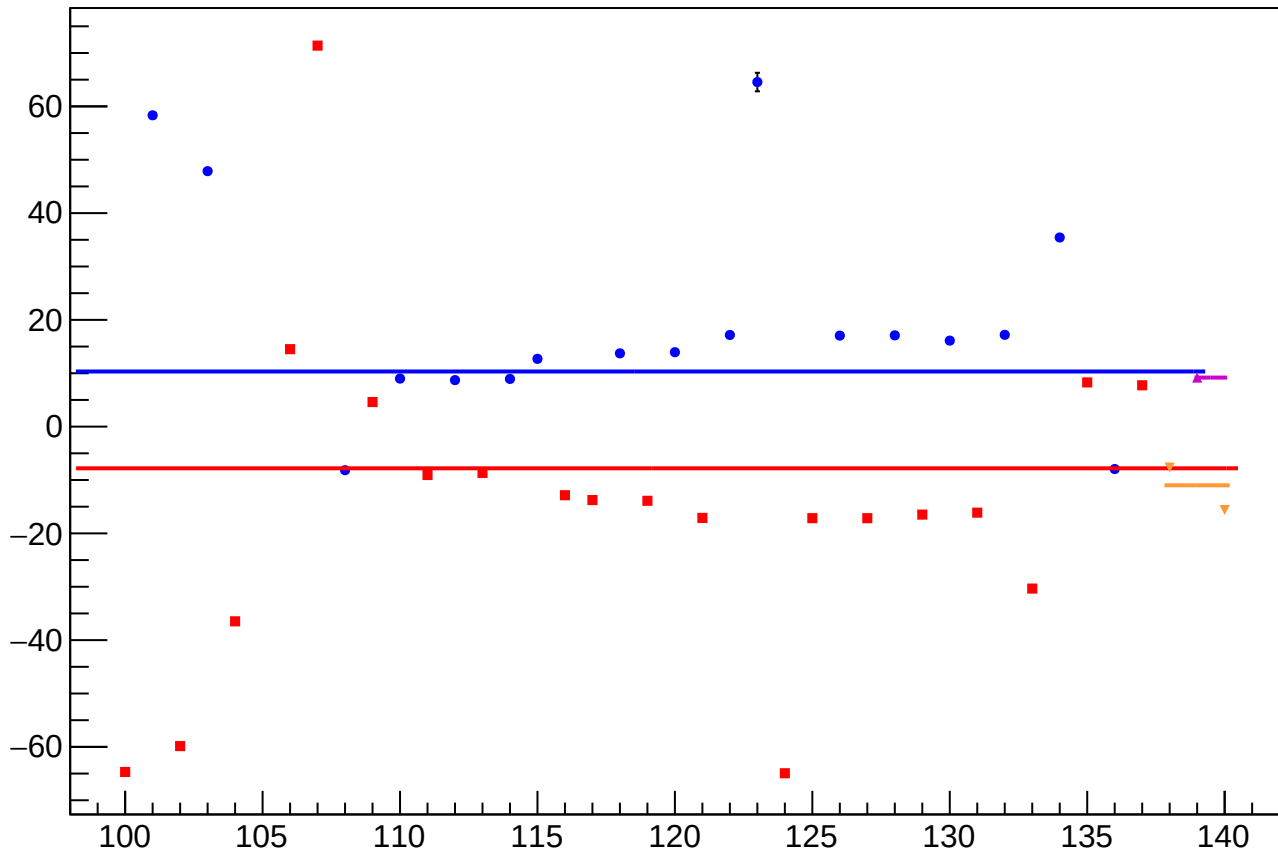
Left In: -9.084 $\pm$ 2.346 χ^2 /NDF: 0.0/0

-9.376 $\pm$ 0.478 χ^2 /NDF: 968.7/18

0.286 $\pm$ 0.353 χ^2 /NDF: 2675.3/39

11.870 $\pm$ 0.523 χ^2 /NDF: 806.8/20

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 ± 0.031 $\chi^2/\text{NDF}: 380857.1/16$

Left Out: -10.995 ± 0.042 $\chi^2/\text{NDF}: 8669.3/1$

Right Out: -7.808 ± 0.031 $\chi^2/\text{NDF}: 544249.7/19$

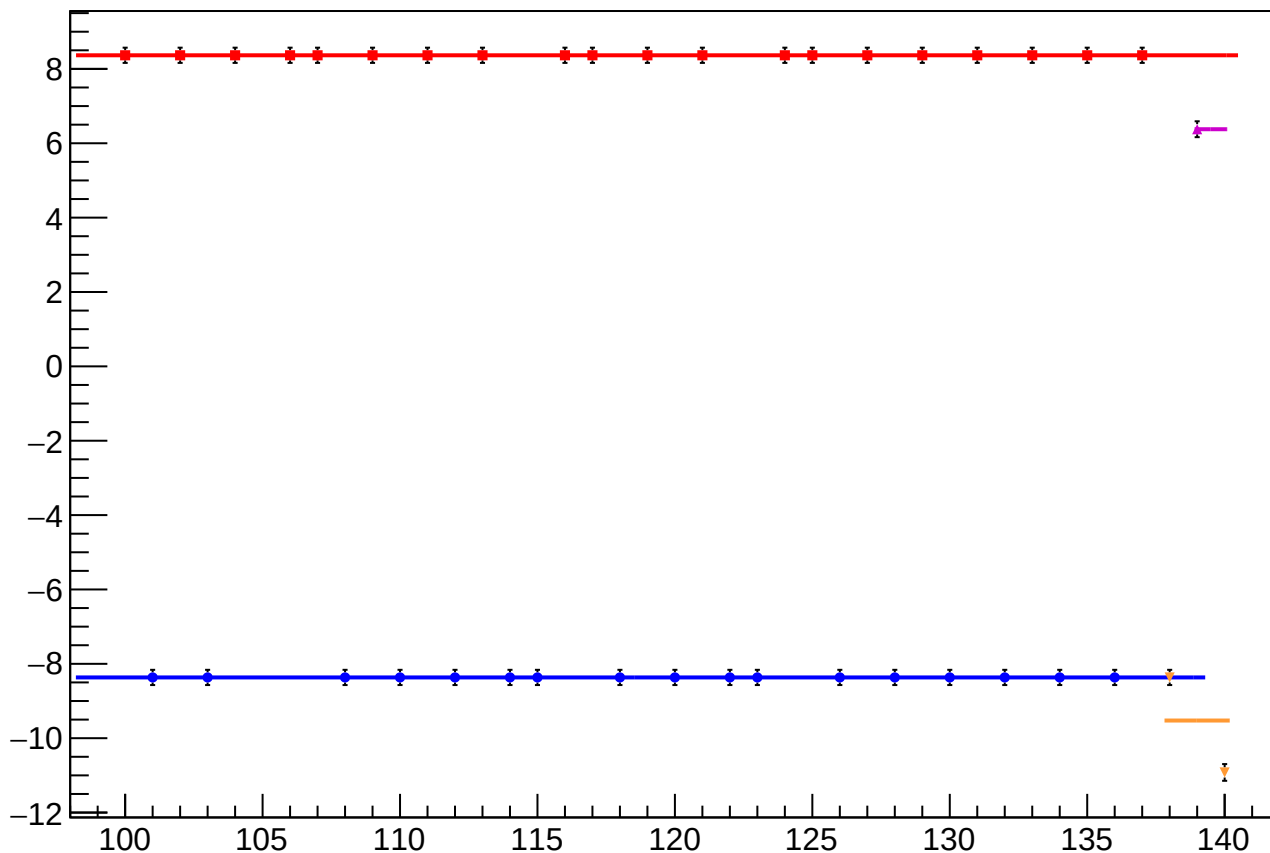
Left In: 9.189 ± 0.052 $\chi^2/\text{NDF}: 0.0/0$

2.948 ± 0.025 $\chi^2/\text{NDF}: 556814.1/18$

0.072 ± 0.018 $\chi^2/\text{NDF}: 1209046.7/39$

-3.275 ± 0.027 $\chi^2/\text{NDF}: 623144.6/20$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.366+/-0.050 χ^2/NDF : 0.0/16

Left Out: -9.525+/-0.151 χ^2/NDF : 70.6/1

Right Out: 8.366+/-0.046 χ^2/NDF : 0.0/19

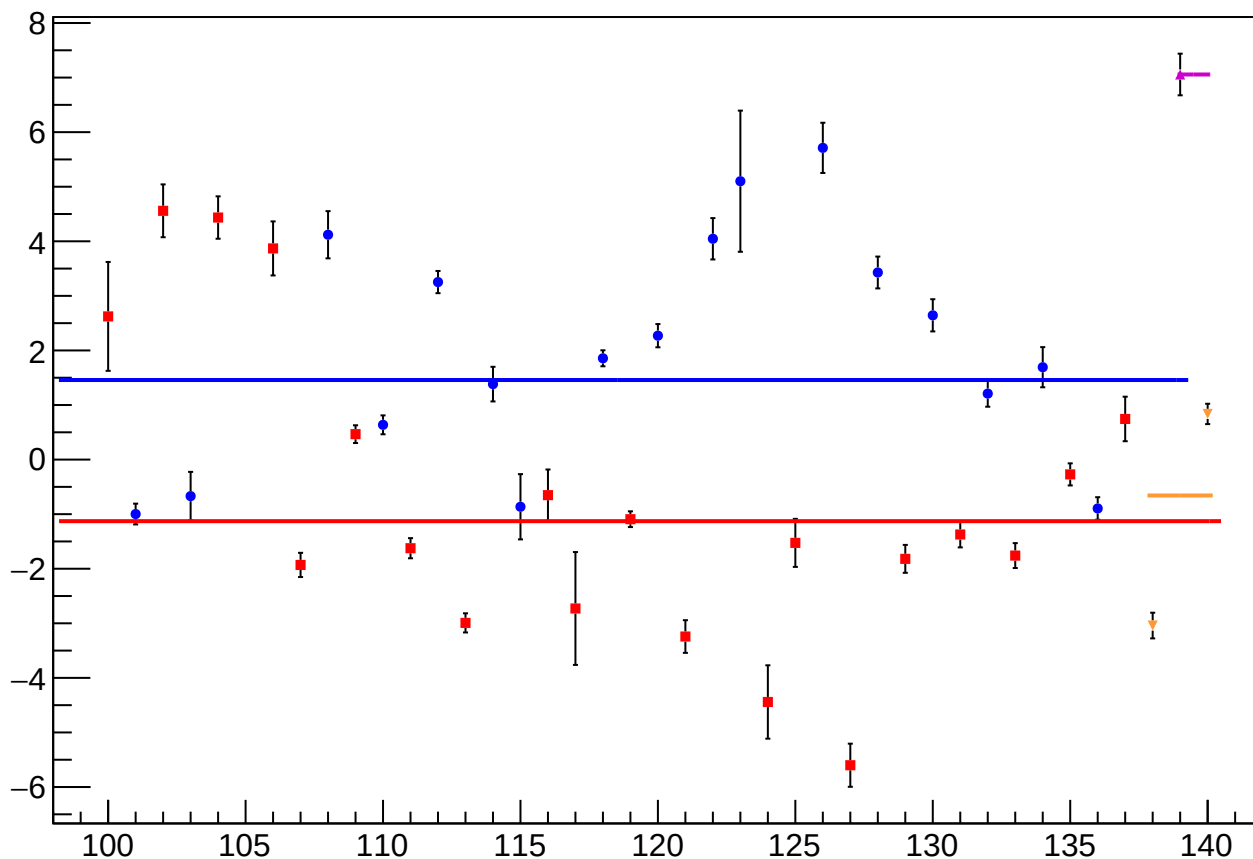
Left In: 6.378+/-0.214 χ^2/NDF : 0.0/0

-8.479+/-0.047 χ^2/NDF : 123.5/18

0.340+/-0.032 χ^2/NDF : 66522.1/39

8.279+/-0.045 χ^2/NDF : 82.9/20

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 $\pm$ 0.062 χ^2/NDF : 698.2/16

Left Out: -0.658 $\pm$ 0.146 χ^2/NDF : 166.7/1

Right Out: -1.128 $\pm$ 0.058 χ^2/NDF : 949.8/19

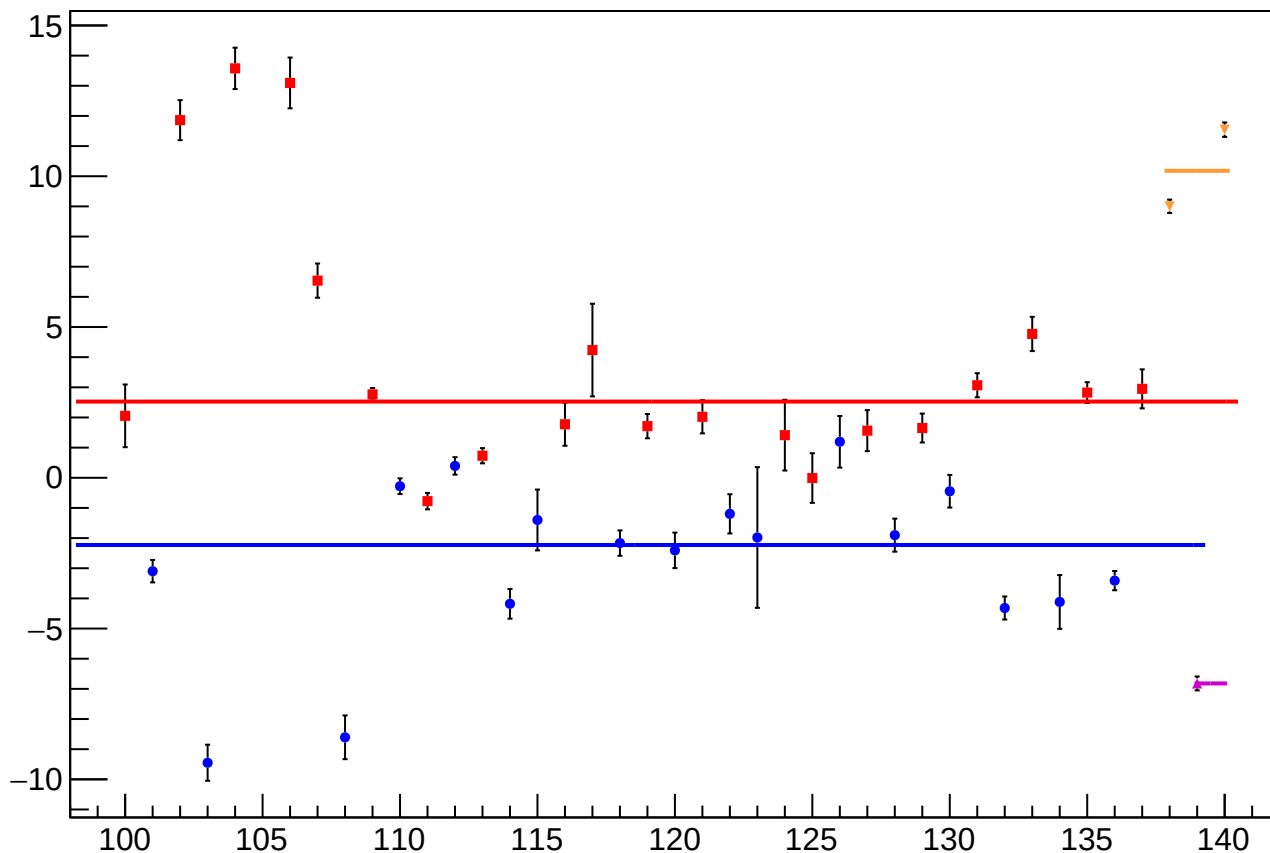
Left In: 7.057 $\pm$ 0.382 χ^2/NDF : 0.0/0

1.136 $\pm$ 0.057 χ^2/NDF : 1042.6/18

0.102 $\pm$ 0.040 χ^2/NDF : 3103.1/39

-0.943 $\pm$ 0.057 χ^2/NDF : 1399.6/20

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: 10.180 ± 0.163 χ^2/NDF : 60.4/1

Right Out: 2.527 ± 0.099 χ^2/NDF : 905.2/19

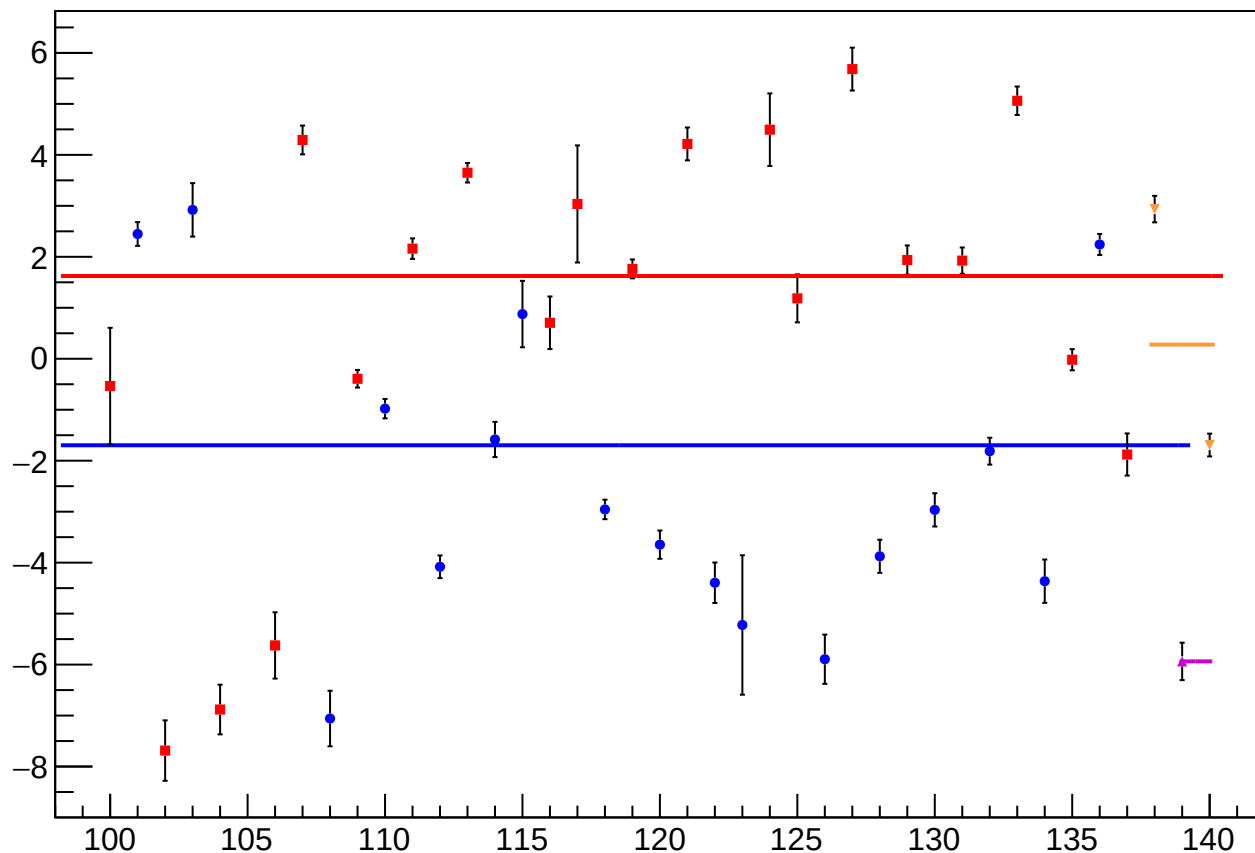
Left In: -6.820 ± 0.231 χ^2/NDF : 0.0/0

1.715 ± 0.092 χ^2/NDF : 4473.2/18

1.398 ± 0.065 χ^2/NDF : 6782.0/39

1.087 ± 0.091 χ^2/NDF : 2285.2/20

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 $\pm$ 0.071 χ^2 /NDF: 1319.4/16

Left Out: 0.278 $\pm$ 0.169 χ^2 /NDF:182.3/1

Right Out: 1.623 $\pm$ 0.066 χ^2 /NDF: 1490.8/19

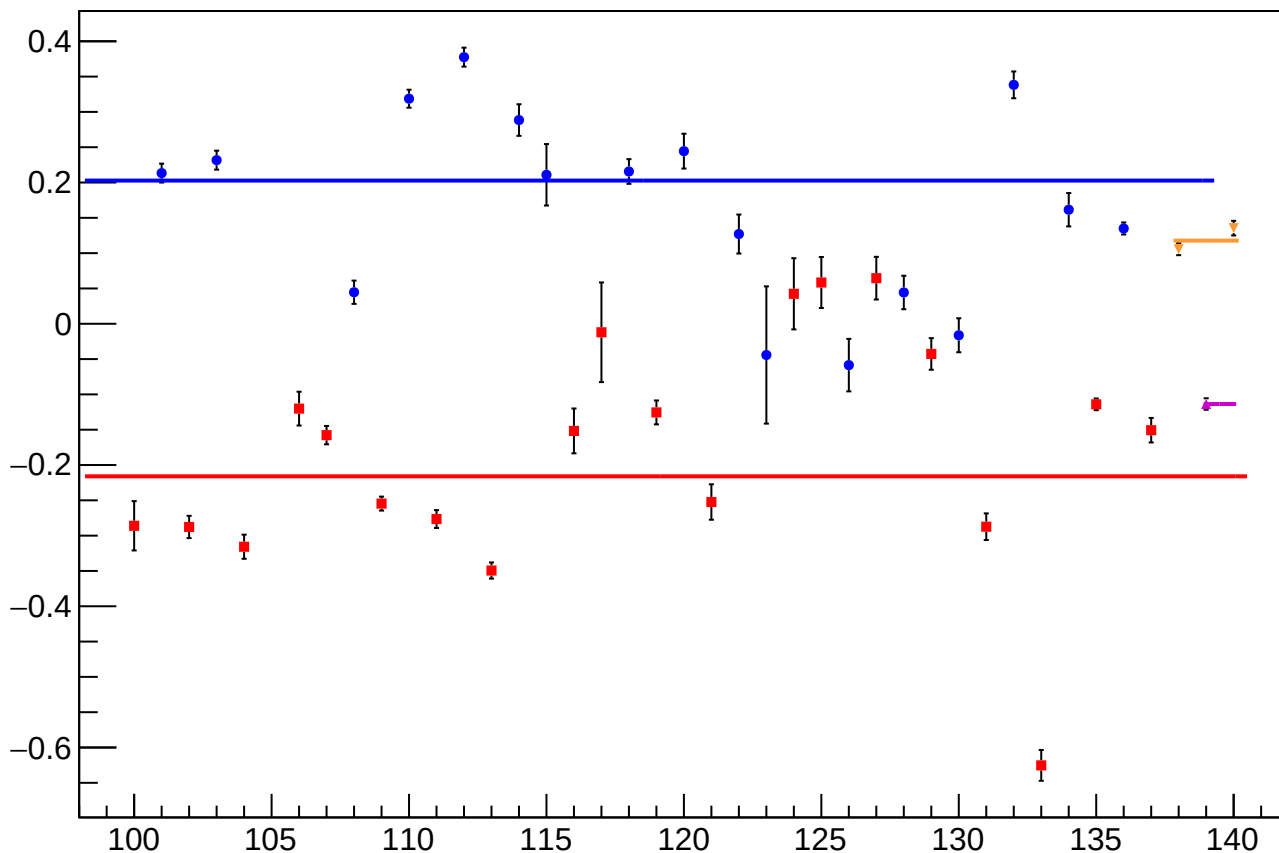
Left In: -5.937 $\pm$ 0.367 χ^2 /NDF:0.0/0

-1.402 $\pm$ 0.066 χ^2 /NDF: 1617.2/18

0.016 $\pm$ 0.046 χ^2 /NDF: 4438.9/39

1.389 $\pm$ 0.065 χ^2 /NDF: 1901.5/20

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: 0.118 $\pm$ 0.007 χ^2 /NDF: 4.9/1

Right Out: -0.216 $\pm$ 0.004 χ^2 /NDF: 1072.8/19

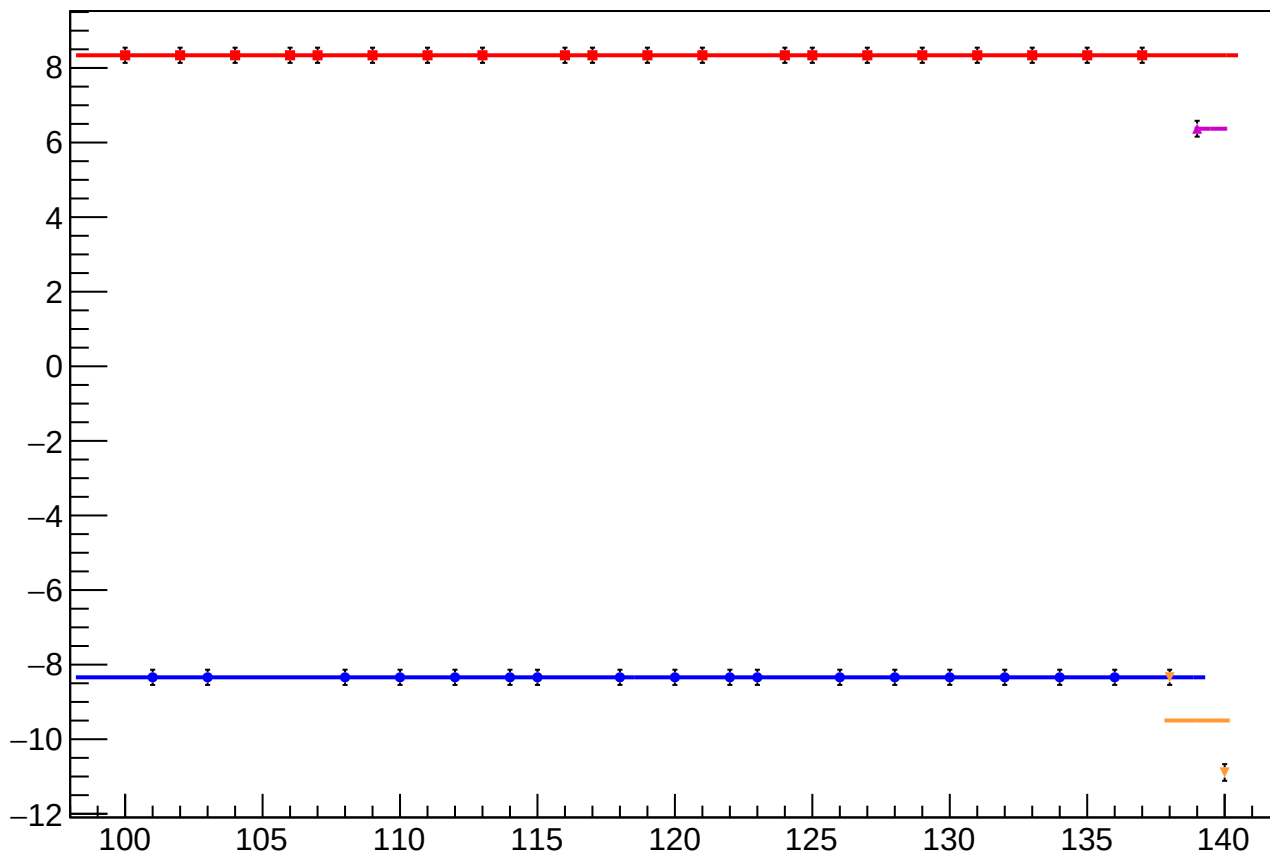
Left In: -0.114 $\pm$ 0.008 χ^2 /NDF: 0.0/0

0.179 $\pm$ 0.004 χ^2 /NDF: 800.7/18

-0.018 $\pm$ 0.002 χ^2 /NDF: 8018.9/39

-0.198 $\pm$ 0.003 χ^2 /NDF: 1204.7/20

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.340+/-0.049 χ^2 /NDF: 0.0/16

Left Out: -9.498+/-0.151 χ^2 /NDF: 71.0/1

Right Out: 8.340+/-0.046 χ^2 /NDF: 0.0/19

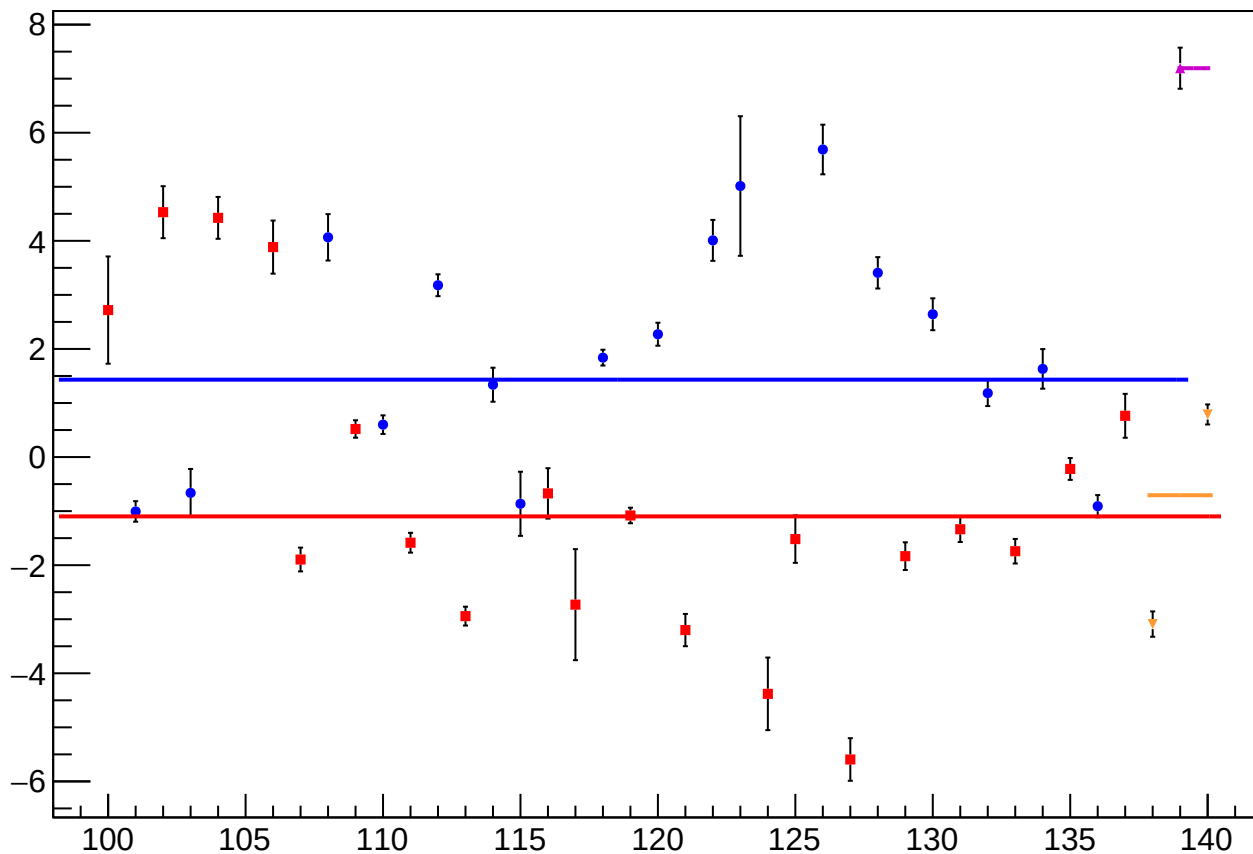
Left In: 6.371+/-0.213 χ^2 /NDF: 0.0/0

-8.453+/-0.047 χ^2 /NDF: 124.2/18

0.339+/-0.032 χ^2 /NDF: 66680.0/39

8.253+/-0.045 χ^2 /NDF: 82.0/20

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 $\chi^2/\text{NDF}: 696.6/16$

Left Out: -0.706 ± 0.145 $\chi^2/\text{NDF}: 168.3/1$

Right Out: -1.098 ± 0.058 $\chi^2/\text{NDF}: 955.7/19$

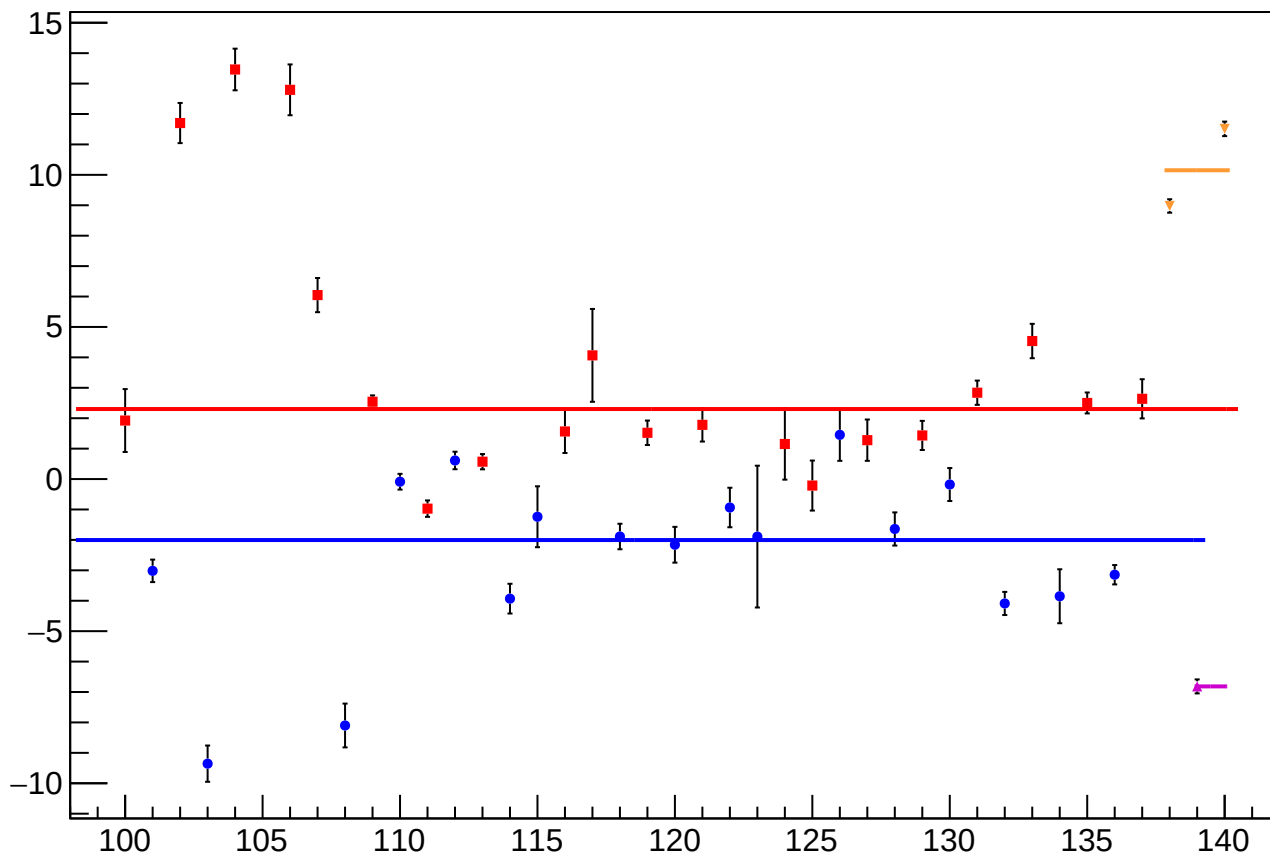
Left In: 7.193 ± 0.380 $\chi^2/\text{NDF}: 0.0/0$

1.106 ± 0.057 $\chi^2/\text{NDF}: 1047.9/18$

0.104 ± 0.040 $\chi^2/\text{NDF}: 3096.4/39$

-0.910 ± 0.057 $\chi^2/\text{NDF}: 1421.3/20$

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: 10.151 ± 0.162 χ^2/NDF : 60.7/1

Right Out: 2.302 ± 0.098 χ^2/NDF : 908.6/19

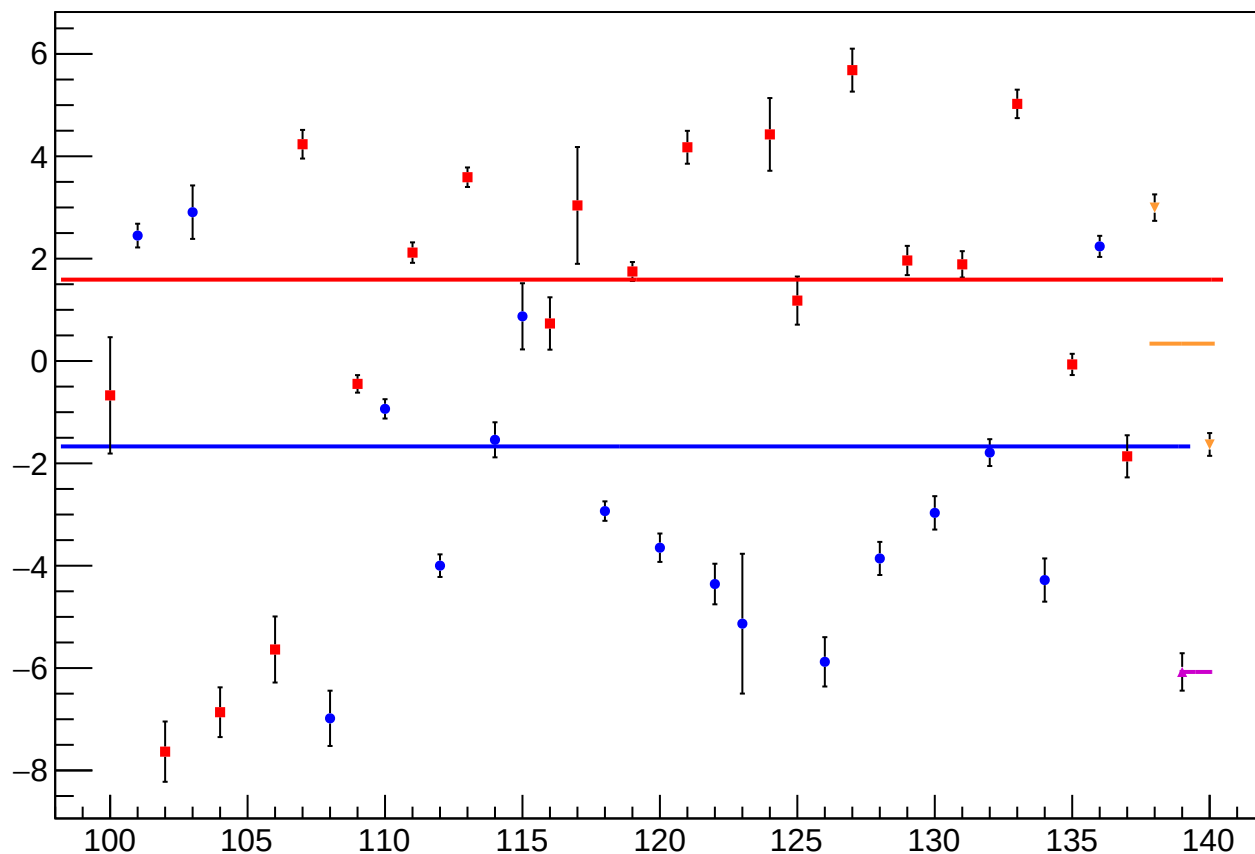
Left In: -6.816 ± 0.230 χ^2/NDF : 0.0/0

1.856 ± 0.091 χ^2/NDF : 4352.1/18

1.372 ± 0.064 χ^2/NDF : 6640.6/39

0.899 ± 0.090 χ^2/NDF : 2233.3/20

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: 0.339+/-0.169 χ^2/NDF :183.9/1

Right Out: 1.590+/-0.065 χ^2/NDF : 1496.3/19

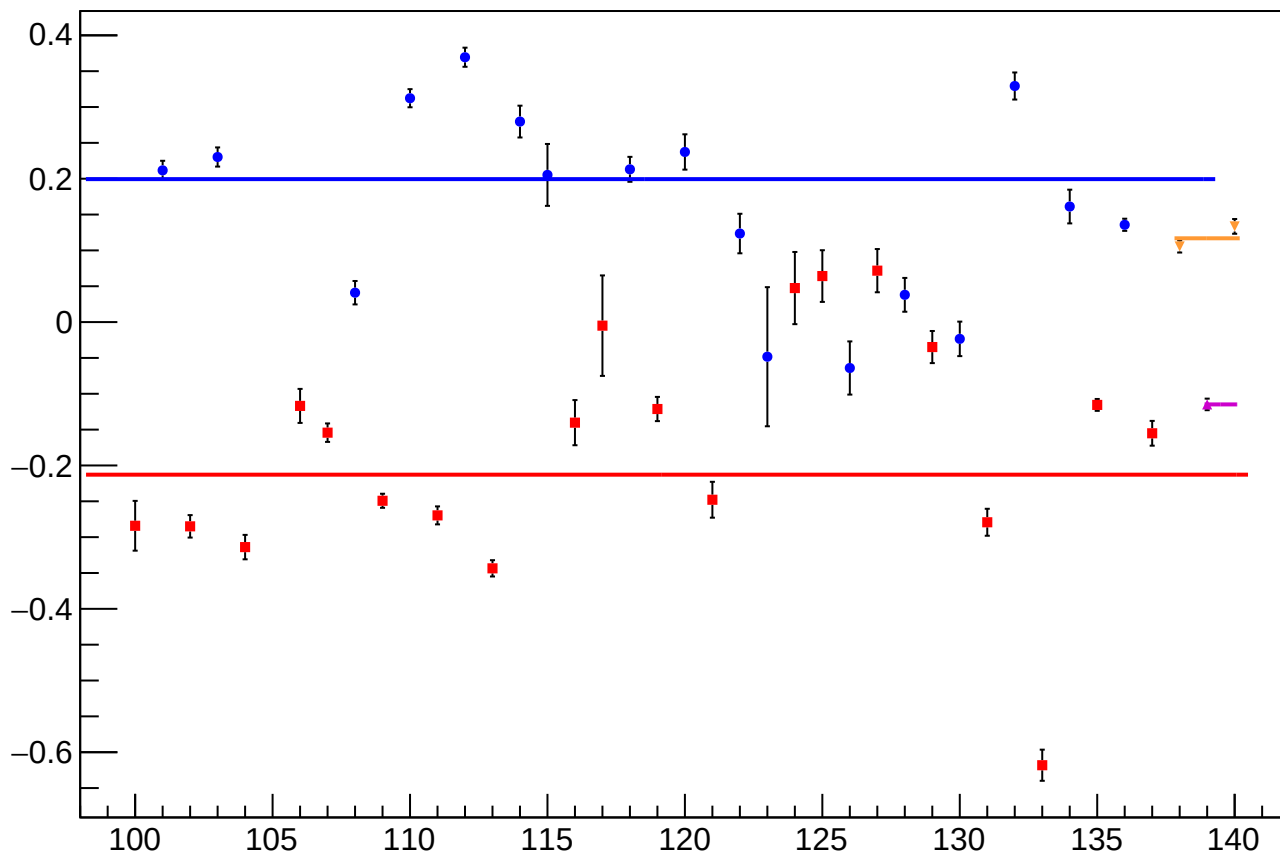
Left In: -6.076+/-0.366 χ^2/NDF :0.0/0

-1.369+/-0.065 χ^2/NDF : 1619.3/18

0.014+/-0.046 χ^2/NDF : 4425.0/39

1.353+/-0.064 χ^2/NDF : 1922.3/20

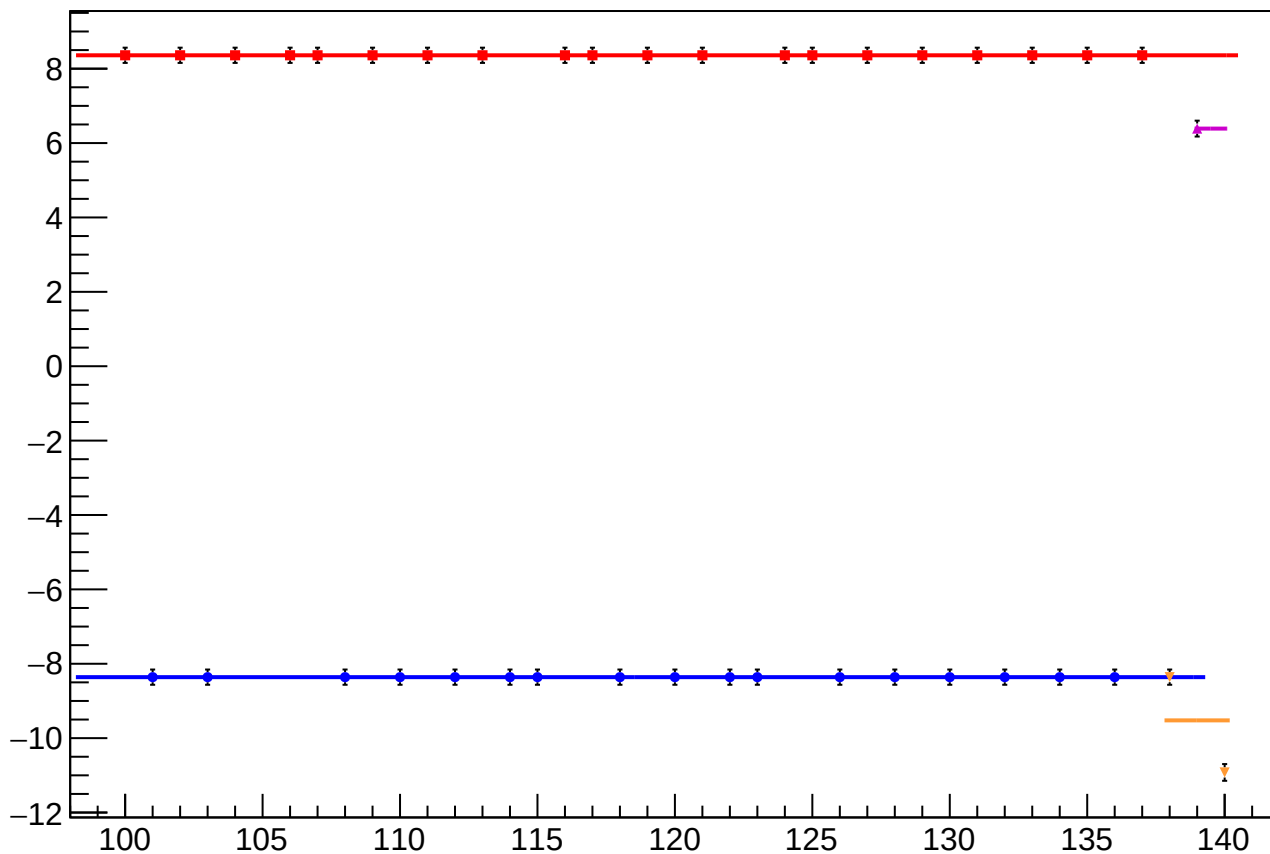
reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16
 Left Out: 0.117 ± 0.007 χ^2/NDF : 4.4/1
 Right Out: -0.213 ± 0.004 χ^2/NDF : 1057.0/19
 Left In: -0.115 ± 0.008 χ^2/NDF : 0.0/0

0.176 ± 0.003 χ^2/NDF : 779.9/18
 -0.018 ± 0.002 χ^2/NDF : 7869.7/39
 -0.196 ± 0.003 χ^2/NDF : 1178.9/20

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.360+/-0.050 χ^2/NDF : 0.0/16

Left Out: -9.522+/-0.152 χ^2/NDF : 70.9/1

Right Out: 8.360+/-0.046 χ^2/NDF : 0.0/19

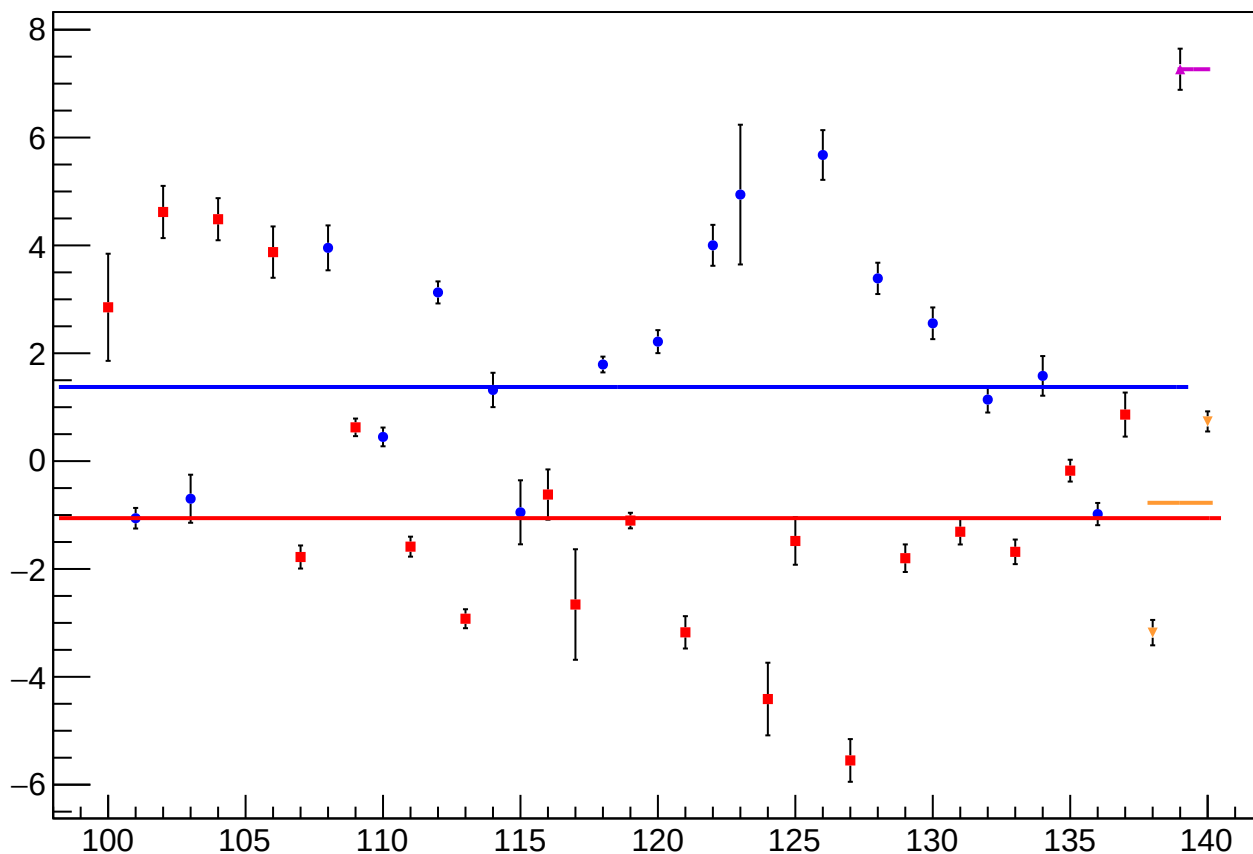
Left In: 6.389+/-0.214 χ^2/NDF : 0.0/0

-8.473+/-0.047 χ^2/NDF : 124.0/18

0.341+/-0.033 χ^2/NDF : 66354.0/39

8.273+/-0.045 χ^2/NDF : 81.4/20

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 $\pm$ 0.062 χ^2 /NDF: 702.4/16

Left Out: -0.773 $\pm$ 0.146 χ^2 /NDF: 169.9/1

Right Out: -1.058 $\pm$ 0.058 χ^2 /NDF: 966.5/19

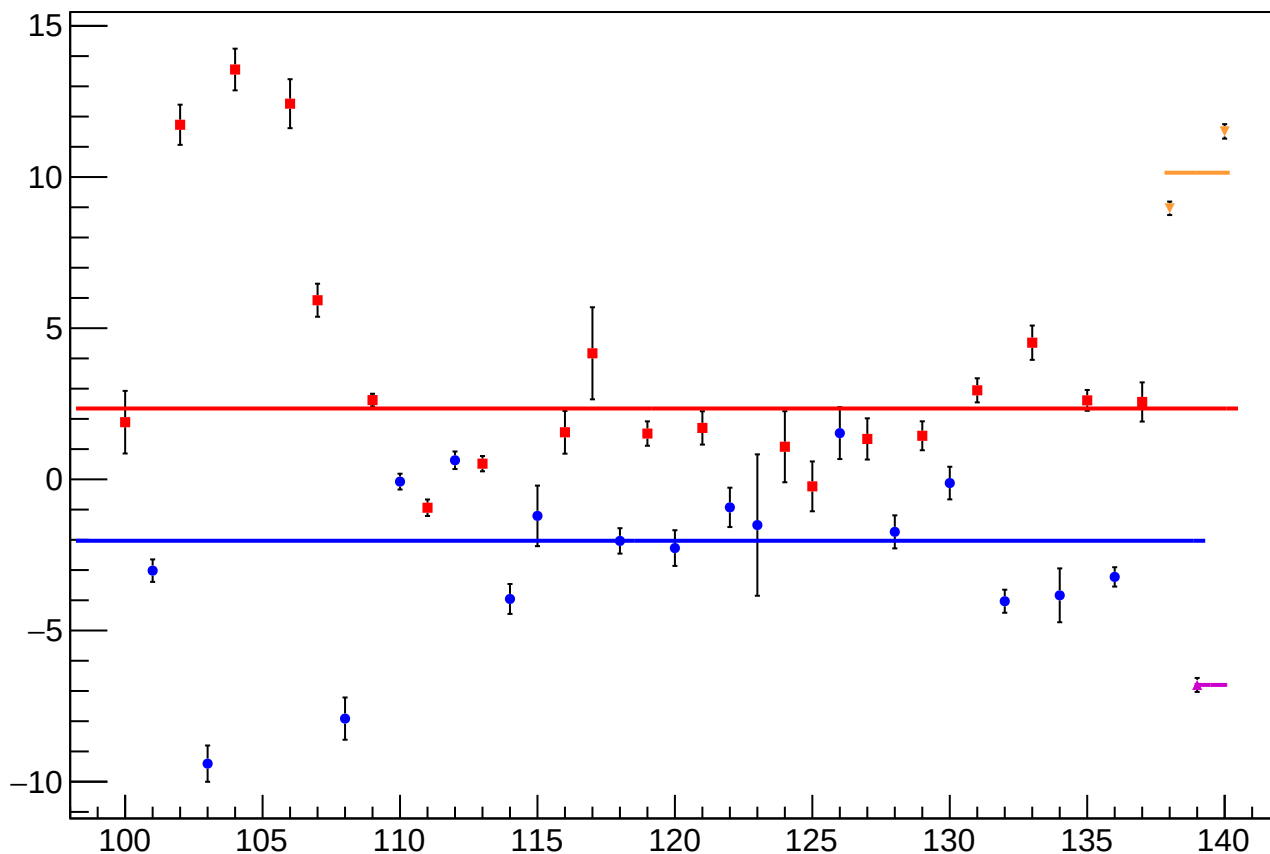
Left In: 7.267 $\pm$ 0.382 χ^2 /NDF: 0.0/0

1.048 $\pm$ 0.057 χ^2 /NDF: 1055.3/18

0.092 $\pm$ 0.040 χ^2 /NDF: 3050.6/39

-0.870 $\pm$ 0.057 χ^2 /NDF: 1431.9/20

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: 10.144 ± 0.163 χ^2/NDF : 60.5/1

Right Out: 2.344 ± 0.099 χ^2/NDF : 903.4/19

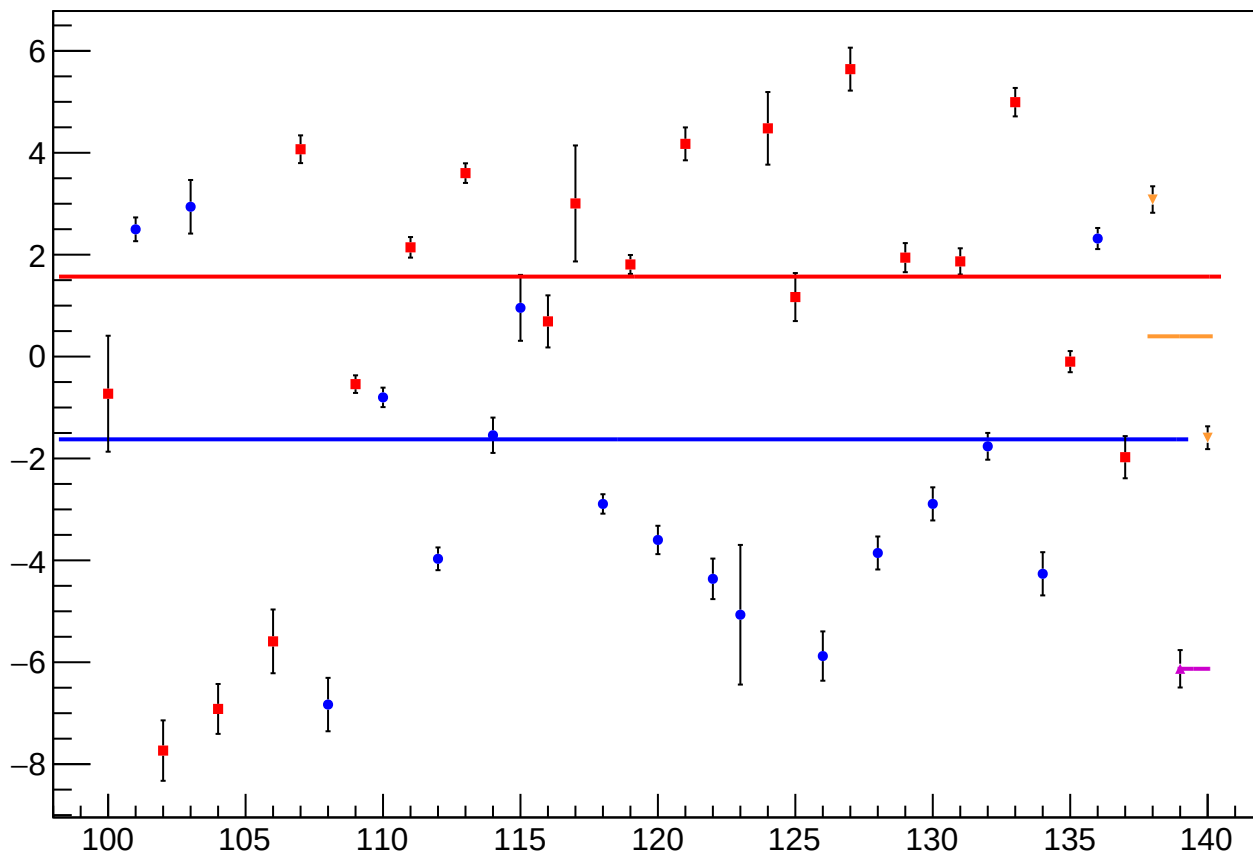
Left In: -6.800 ± 0.231 χ^2/NDF : 0.0/0

1.837 ± 0.092 χ^2/NDF : 4325.0/18

1.381 ± 0.065 χ^2/NDF : 6597.6/39

0.936 ± 0.091 χ^2/NDF : 2223.9/20

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: 0.397+/-0.170 χ^2/NDF :185.8/1

Right Out: 1.570+/-0.065 χ^2/NDF : 1507.4/19

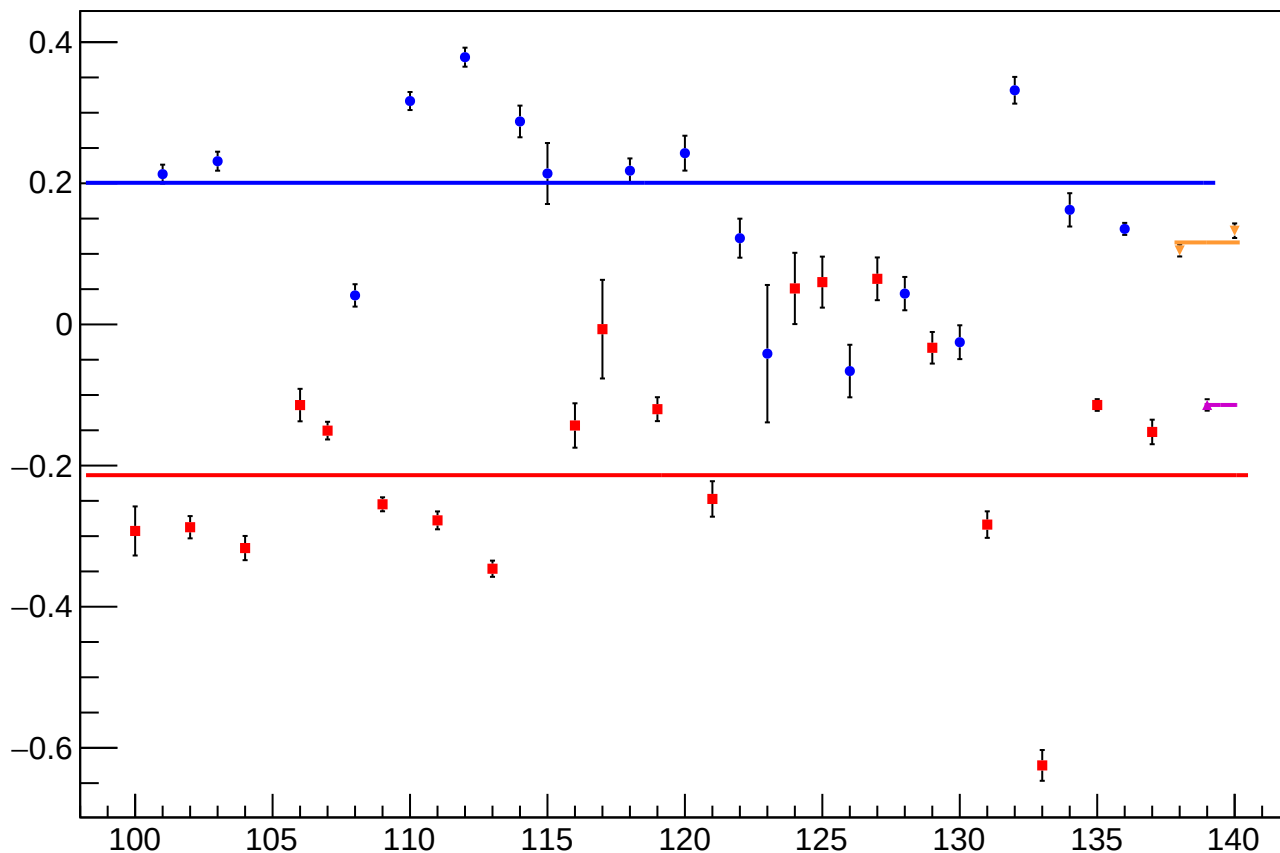
Left In: -6.128+/-0.367 χ^2/NDF :0.0/0

-1.322+/-0.066 χ^2/NDF : 1627.5/18

0.028+/-0.046 χ^2/NDF : 4394.3/39

1.332+/-0.064 χ^2/NDF : 1933.3/20

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: 0.116 $\pm$ 0.007 χ^2/NDF : 4.4/1

Right Out: -0.214 $\pm$ 0.004 χ^2/NDF : 1089.2/19

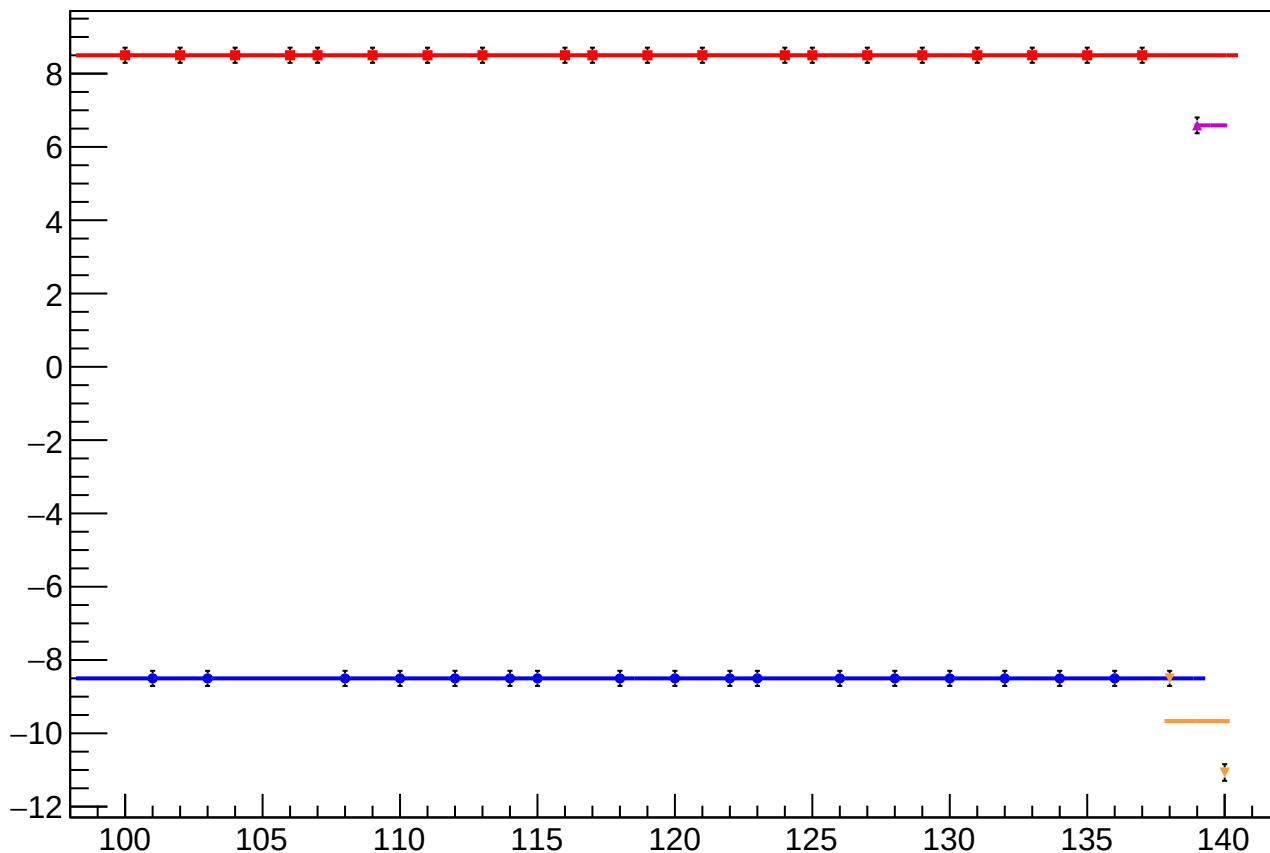
Left In: -0.114 $\pm$ 0.008 χ^2/NDF : 0.0/0

0.177 $\pm$ 0.004 χ^2/NDF : 812.8/18

-0.018 $\pm$ 0.002 χ^2/NDF : 7943.2/39

-0.197 $\pm$ 0.003 χ^2/NDF : 1213.9/20

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.501 ± 0.050 χ^2/NDF : 0.0/16

Left Out: -9.666 ± 0.153 χ^2/NDF : 69.9/1

Right Out: 8.501 ± 0.046 χ^2/NDF : 0.0/19

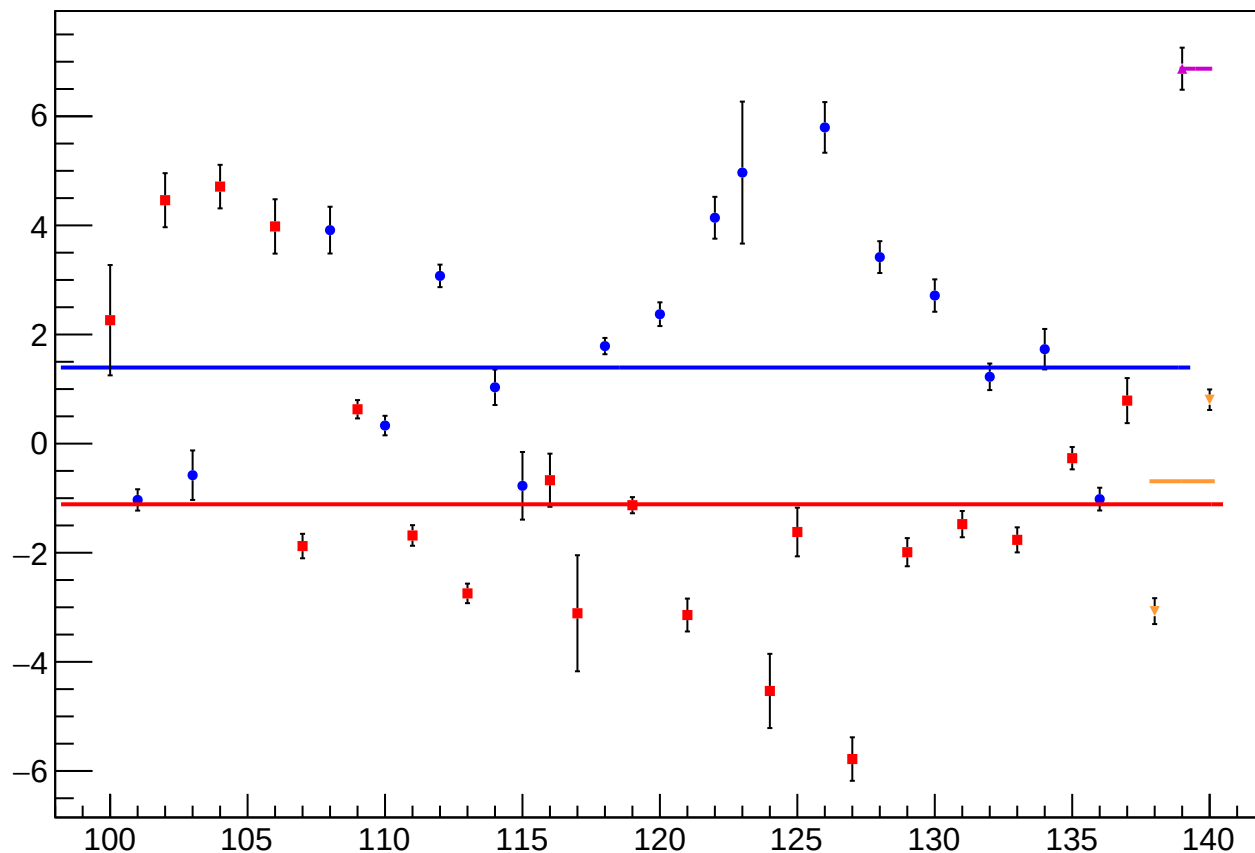
Left In: 6.589 ± 0.216 χ^2/NDF : 0.0/0

-8.614 ± 0.048 χ^2/NDF : 122.3/18

0.349 ± 0.033 χ^2/NDF : 67423.9/39

8.417 ± 0.045 χ^2/NDF : 75.1/20

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 $\pm$ 0.063 χ^2/NDF : 701.4/16

Left Out: -0.690 $\pm$ 0.147 χ^2/NDF : 163.6/1

Right Out: -1.112 $\pm$ 0.059 χ^2/NDF : 940.5/19

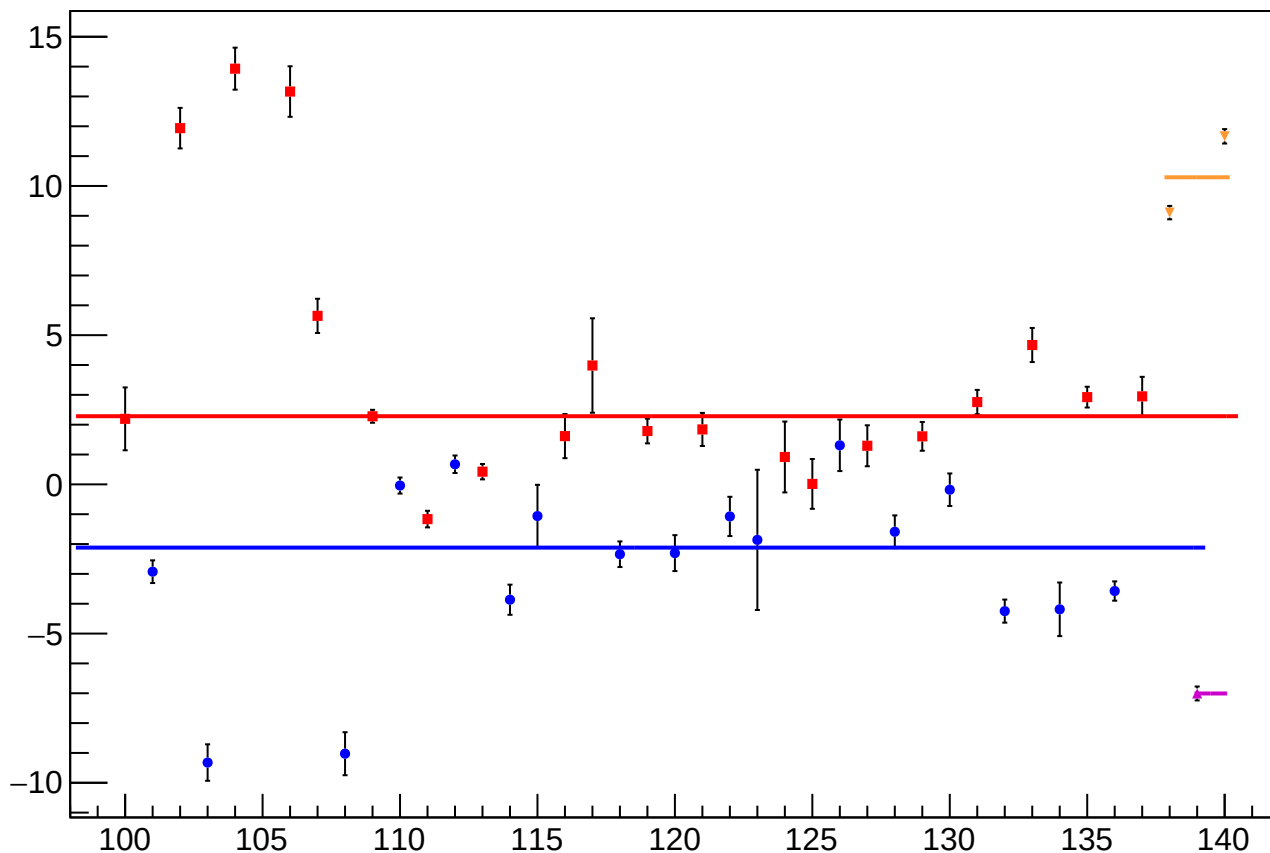
Left In: 6.872 $\pm$ 0.386 χ^2/NDF : 0.0/0

1.073 $\pm$ 0.058 χ^2/NDF : 1033.9/18

0.080 $\pm$ 0.041 χ^2/NDF : 2984.2/39

-0.928 $\pm$ 0.058 χ^2/NDF : 1359.5/20

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: 10.291 ± 0.165 χ^2/NDF : 60.0/1

Right Out: 2.284 ± 0.101 χ^2/NDF : 920.6/19

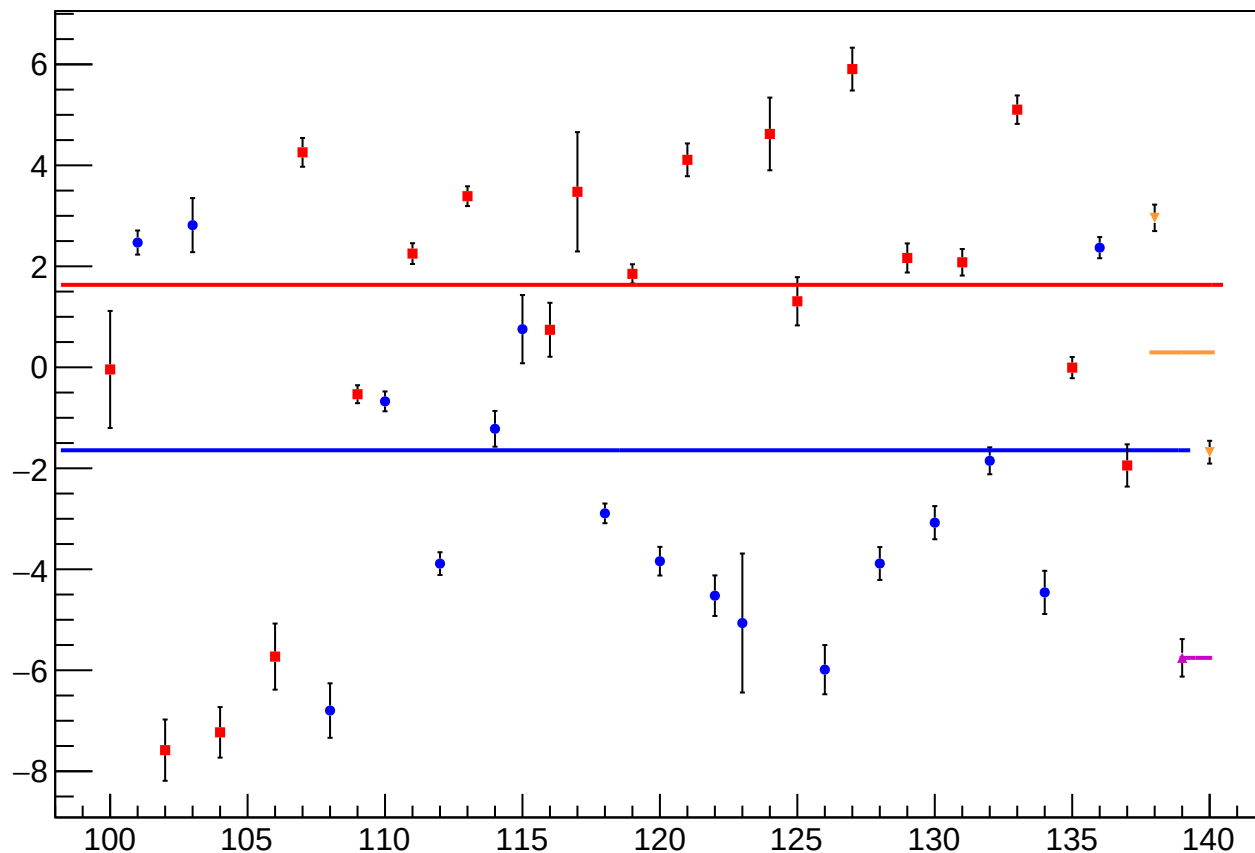
Left In: -7.008 ± 0.234 χ^2/NDF : 0.0/0

1.872 ± 0.093 χ^2/NDF : 4404.3/18

1.346 ± 0.066 χ^2/NDF : 6718.9/39

0.828 ± 0.093 χ^2/NDF : 2251.5/20

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643+/-0.072 χ^2/NDF : 1310.1/16

Left Out: 0.296+/-0.171 χ^2/NDF :180.0/1

Right Out: 1.633+/-0.067 χ^2/NDF : 1470.6/19

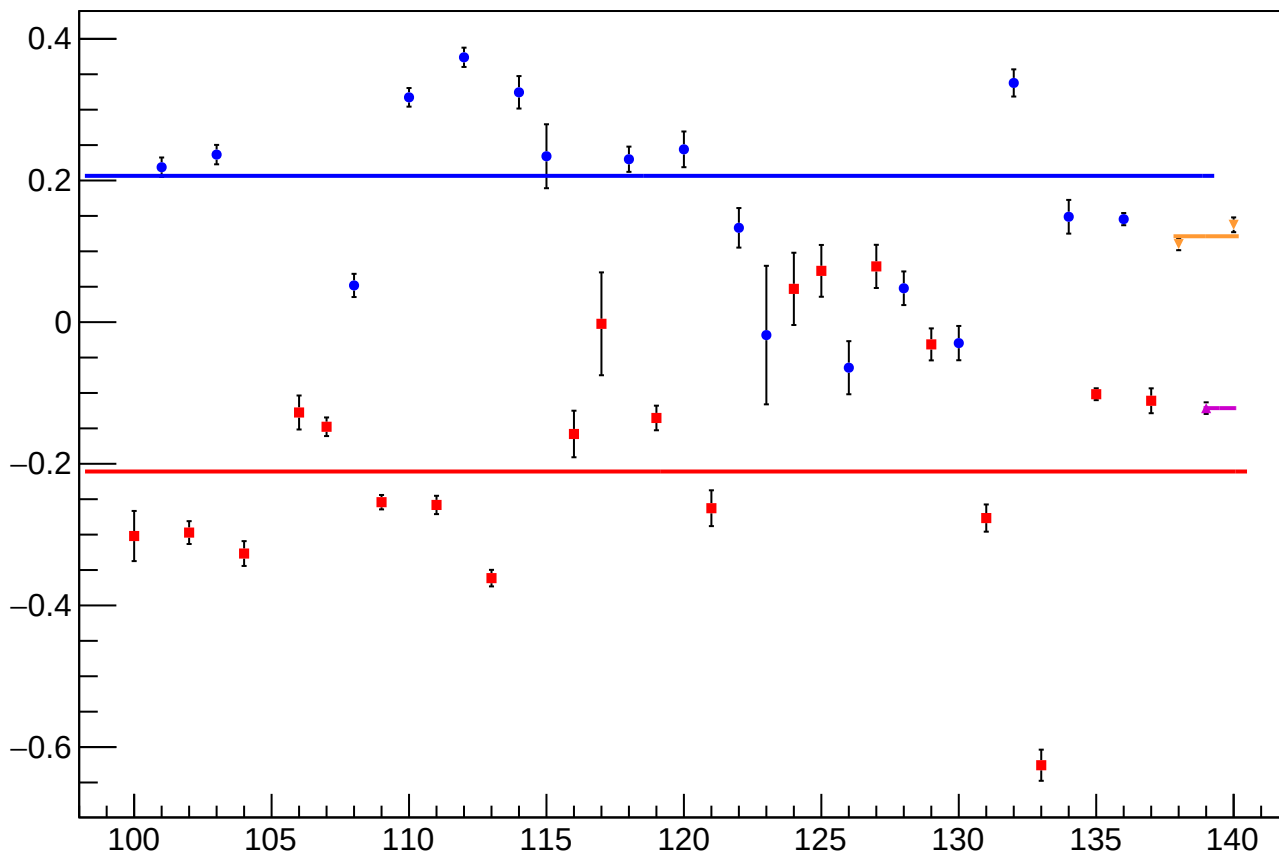
Left In: -5.754+/-0.371 χ^2/NDF :0.0/0

-1.349+/-0.067 χ^2/NDF : 1599.1/18

0.045+/-0.047 χ^2/NDF : 4316.0/39

1.401+/-0.066 χ^2/NDF : 1854.4/20

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: 0.121 ± 0.007 χ^2/NDF : 4.1/1

Right Out: -0.211 ± 0.004 χ^2/NDF : 1153.8/19

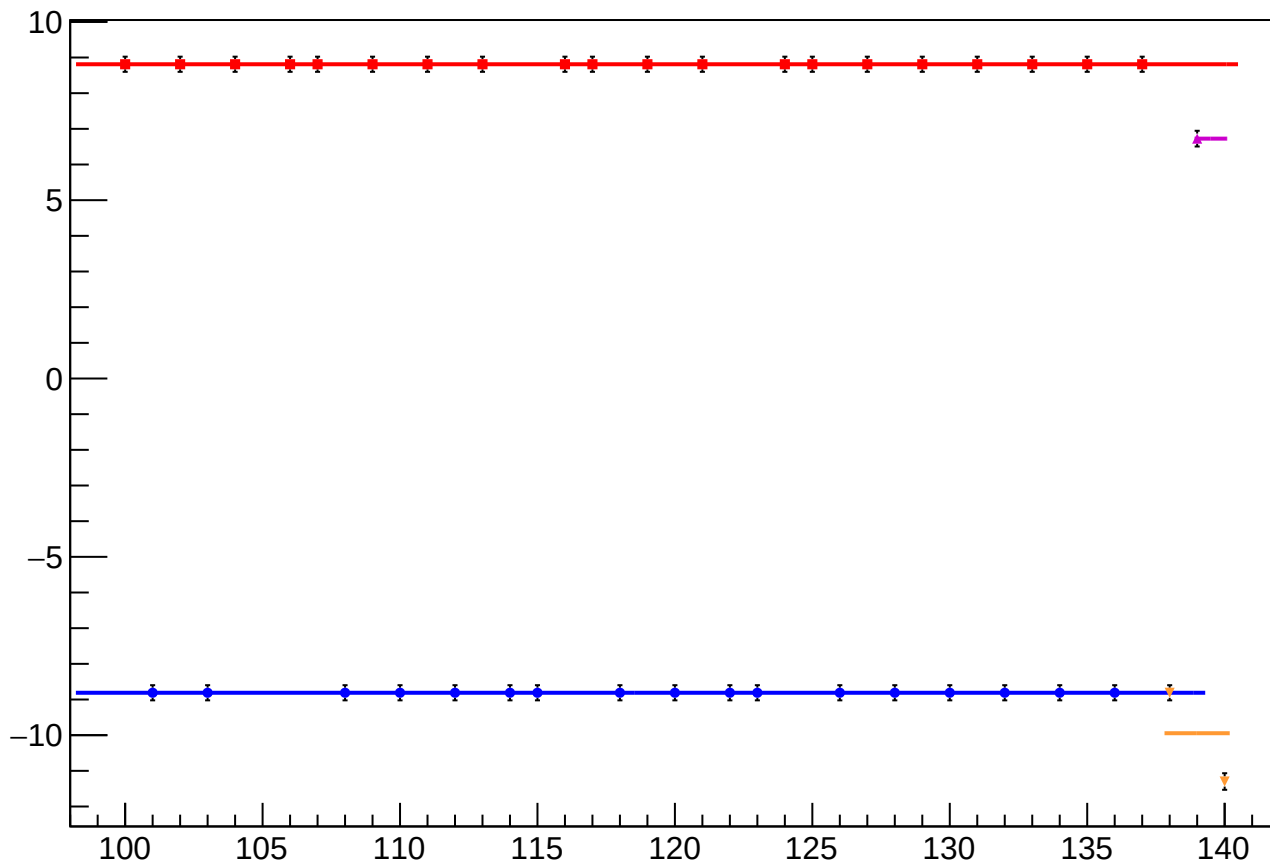
Left In: -0.121 ± 0.008 χ^2/NDF : 0.0/0

0.182 ± 0.004 χ^2/NDF : 776.5/18

-0.015 ± 0.002 χ^2/NDF : 7875.2/39

-0.195 ± 0.003 χ^2/NDF : 1252.3/20

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.811+/-0.052 χ^2 /NDF: 0.0/16

Left Out: -9.945+/-0.157 χ^2 /NDF:62.4/1

Right Out: 8.811+/-0.048 χ^2 /NDF: 0.0/19

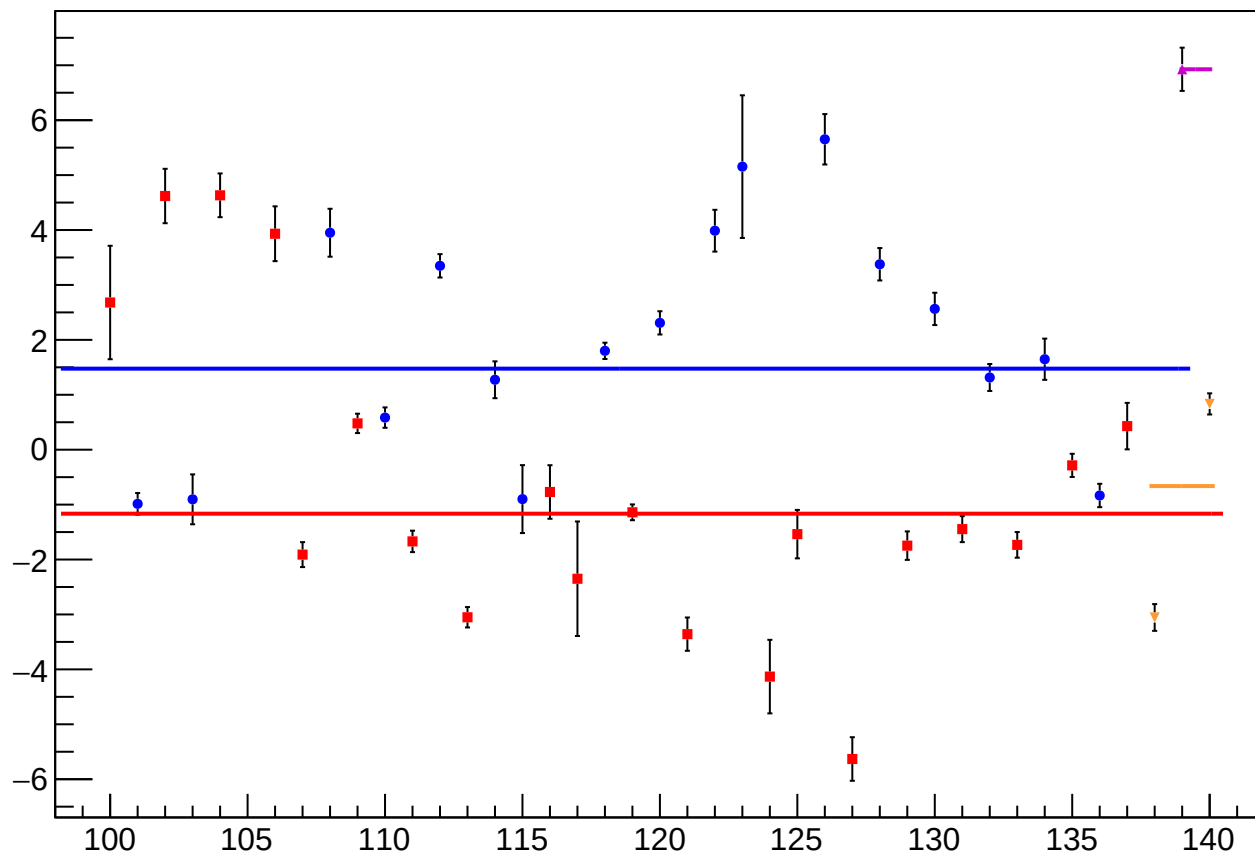
Left In: 6.725+/-0.220 χ^2 /NDF:0.0/0

-8.922+/-0.049 χ^2 /NDF: 109.7/18

0.362+/-0.034 χ^2 /NDF: 68455.5/39

8.718+/-0.046 χ^2 /NDF: 85.6/20

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: -0.662 ± 0.151 χ^2/NDF : 156.9/1

Right Out: -1.165 ± 0.060 χ^2/NDF : 919.2/19

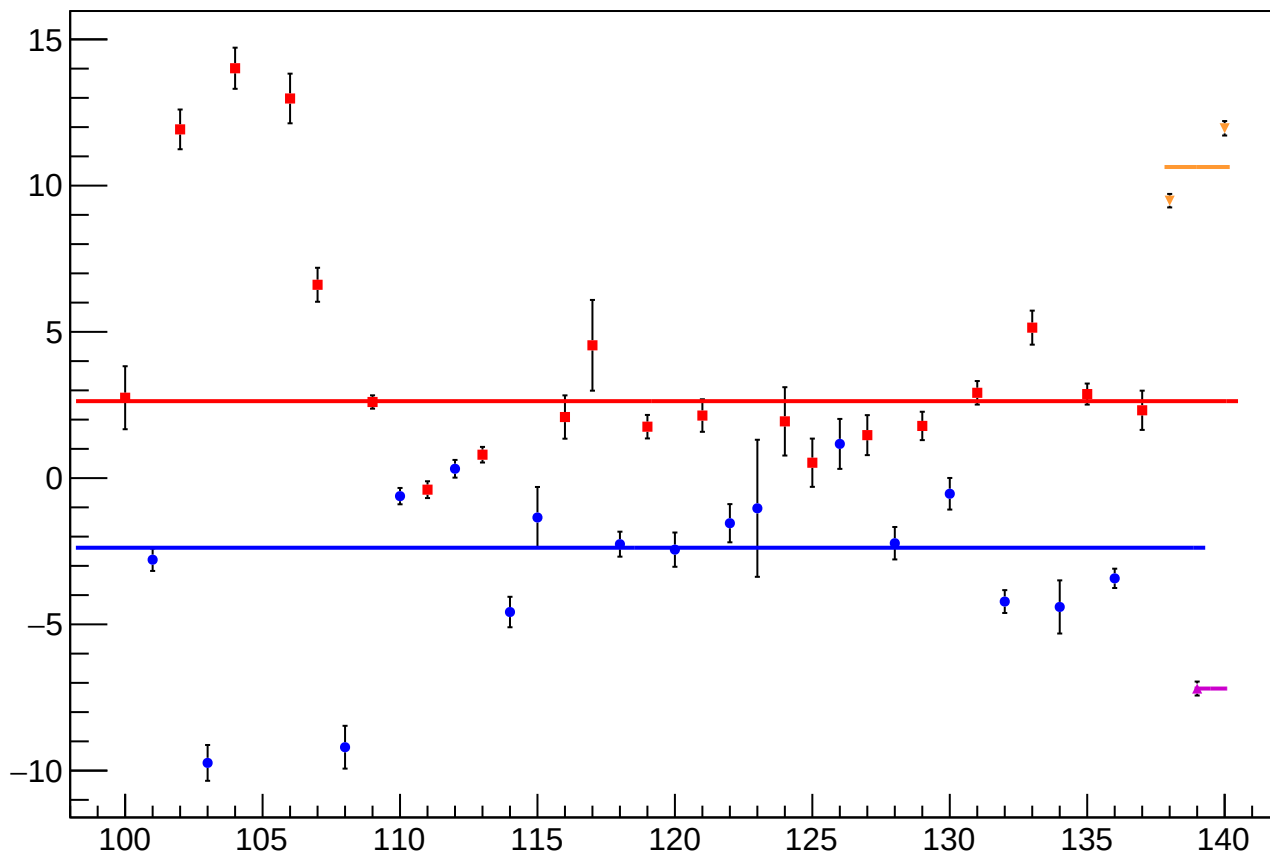
Left In: 6.927 ± 0.394 χ^2/NDF : 0.0/0

1.154 ± 0.059 χ^2/NDF : 986.8/18

0.096 ± 0.042 χ^2/NDF : 2976.9/39

-0.982 ± 0.059 χ^2/NDF : 1332.4/20

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: 10.636 ± 0.169 χ^2/NDF : 53.5/1

Right Out: 2.631 ± 0.103 χ^2/NDF : 842.8/19

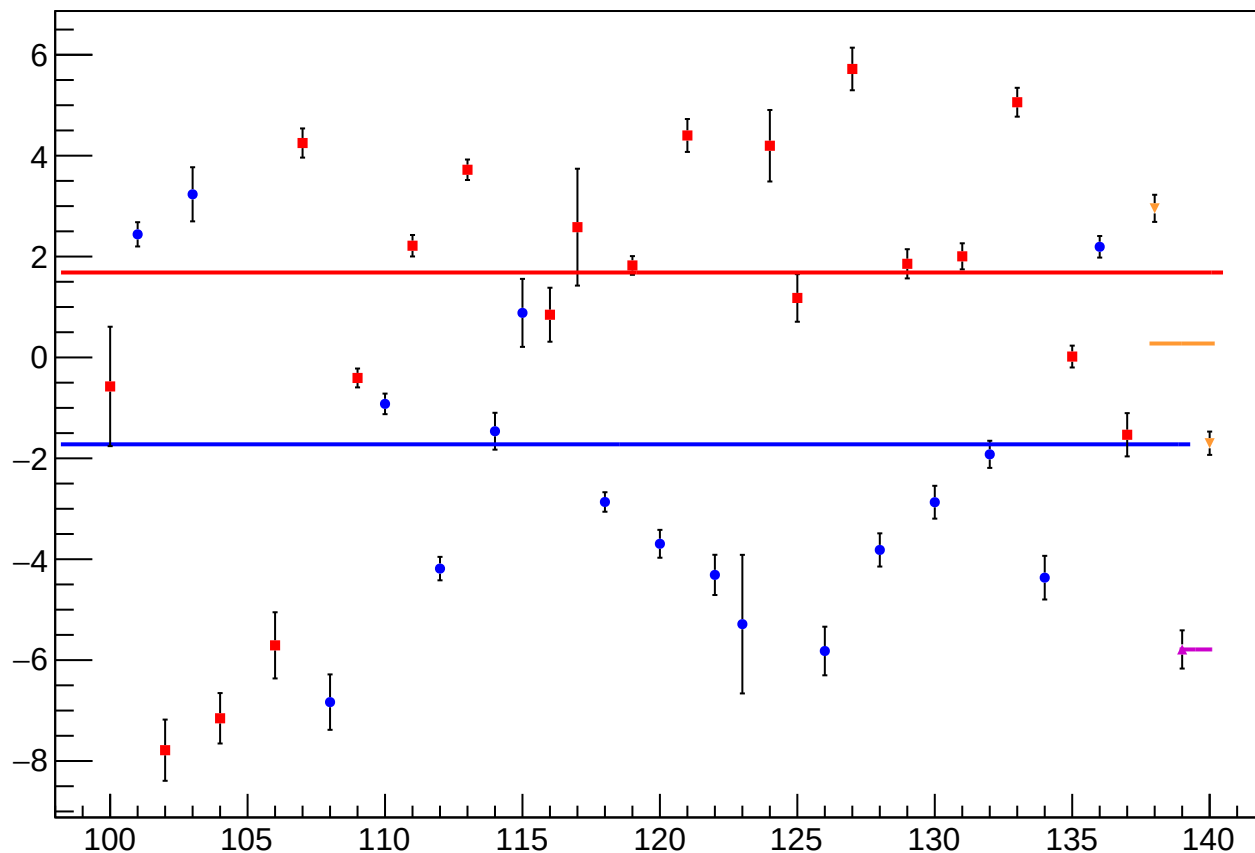
Left In: -7.194 ± 0.239 χ^2/NDF : 0.0/0

1.747 ± 0.095 χ^2/NDF : 4552.2/18

1.417 ± 0.067 χ^2/NDF : 6845.7/39

1.090 ± 0.095 χ^2/NDF : 2269.5/20

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: 0.276 ± 0.175 $\chi^2/\text{NDF}: 172.5/1$

Right Out: 1.684 ± 0.068 $\chi^2/\text{NDF}: 1431.6/19$

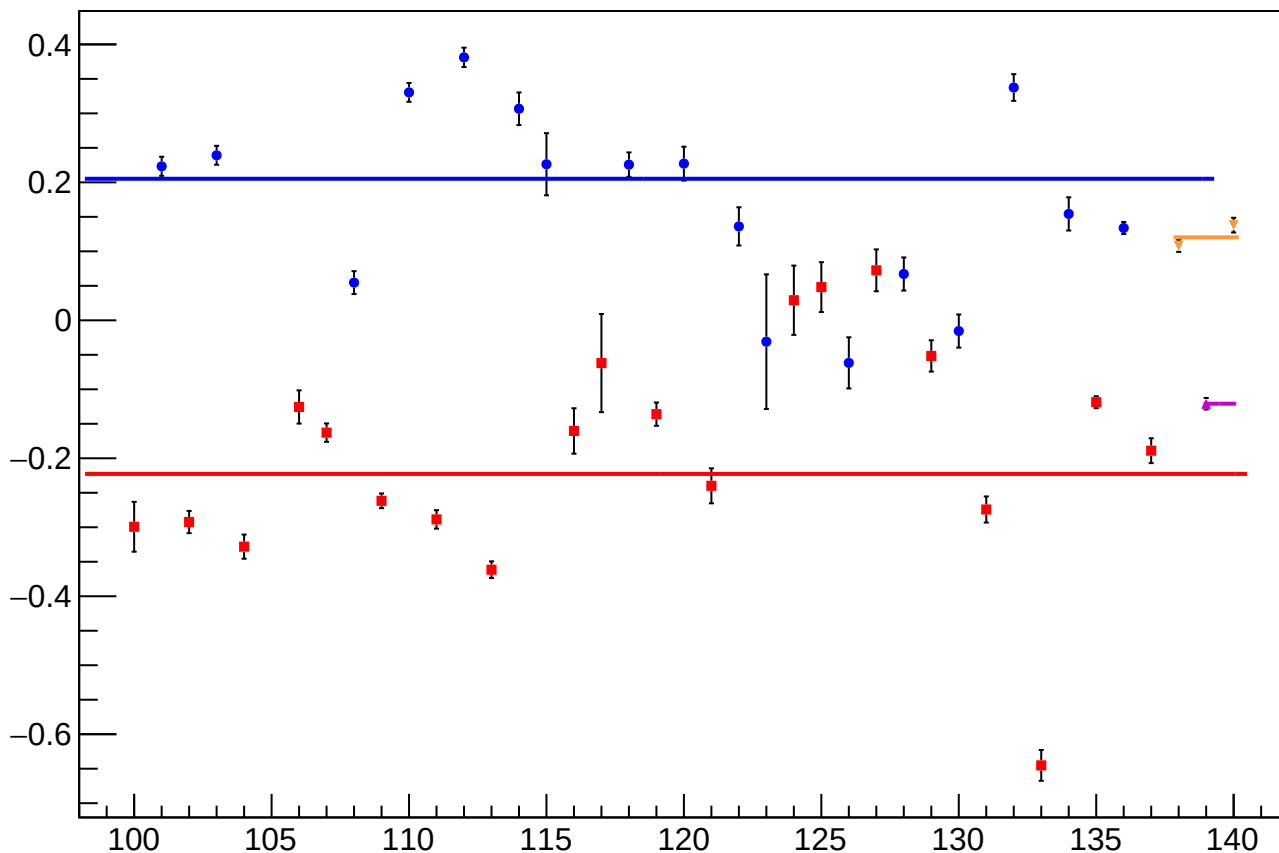
Left In: -5.789 ± 0.379 $\chi^2/\text{NDF}: 0.0/0$

-1.426 ± 0.067 $\chi^2/\text{NDF}: 1530.9/18$

0.029 ± 0.047 $\chi^2/\text{NDF}: 4258.5/39$

1.452 ± 0.067 $\chi^2/\text{NDF}: 1808.7/20$

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: 0.120 $\pm$ 0.007 χ^2/NDF : 4.6/1

Right Out: -0.223 $\pm$ 0.004 χ^2/NDF : 1045.6/19

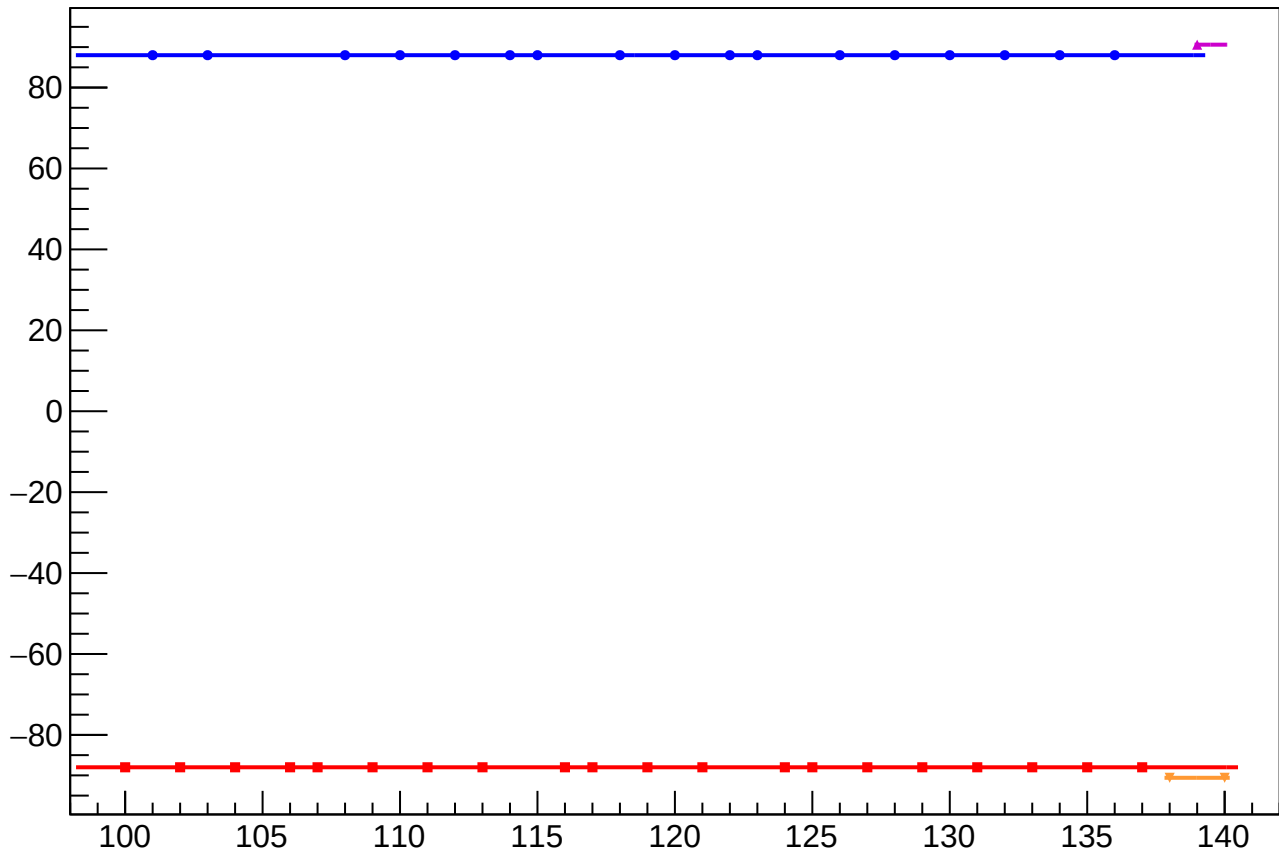
Left In: -0.121 $\pm$ 0.008 χ^2/NDF : 0.0/0

0.181 $\pm$ 0.004 χ^2/NDF : 766.4/18

-0.019 $\pm$ 0.003 χ^2/NDF : 7833.9/39

-0.205 $\pm$ 0.003 χ^2/NDF : 1167.9/20

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 809207.2/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 32311.7/1

Right Out: -88.001 $\pm$ 0.000 χ^2 /NDF: 224768.6/19

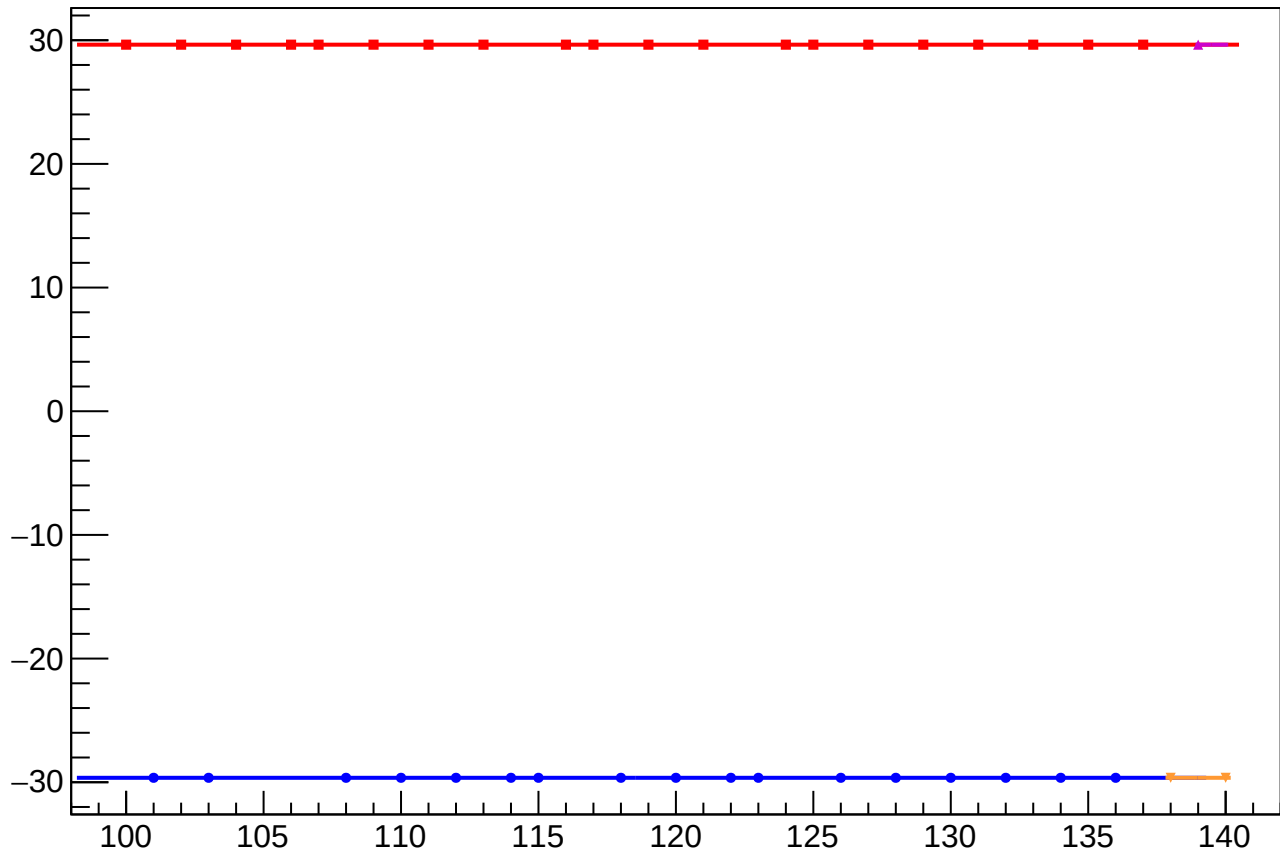
Left In: 90.599 $\pm$ 0.000 χ^2 /NDF: 0.0/0

54.500 $\pm$ 0.000 χ^2 /NDF: 414636084970691468

-7.541 $\pm$ 0.000 χ^2 /NDF: 1298475097963

-71.922 $\pm$ 0.000 χ^2 /NDF: 21479511945498777

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641 $\pm$ 0.000 χ^2 /NDF: 590181.6/16

Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 2019.5/1

Right Out: 29.641 $\pm$ 0.000 χ^2 /NDF: 138258.9/19

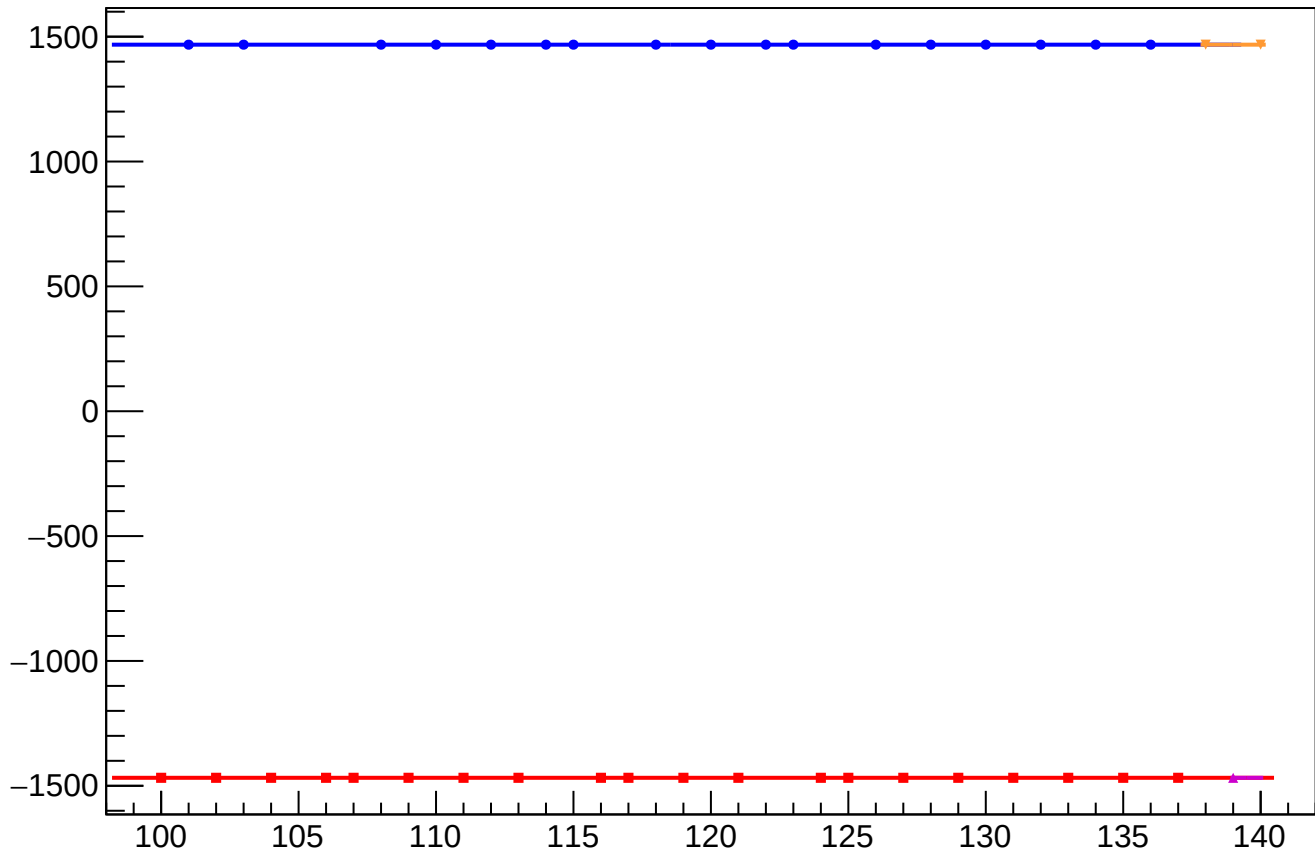
Left In: 29.641 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-29.641 $\pm$ 0.000 χ^2 /NDF: 1034064.1/18

-0.549 $\pm$ 0.000 χ^2 /NDF: 1471102833040

29.641 $\pm$ 0.000 χ^2 /NDF: 458675.3/20

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000 χ^2/NDF : 709203977.7/16

Left Out: 1467.979+/-0.000 χ^2/NDF : 4239300.6/1

Right Out: -1467.979+/-0.000 χ^2/NDF : 189579456.6/19

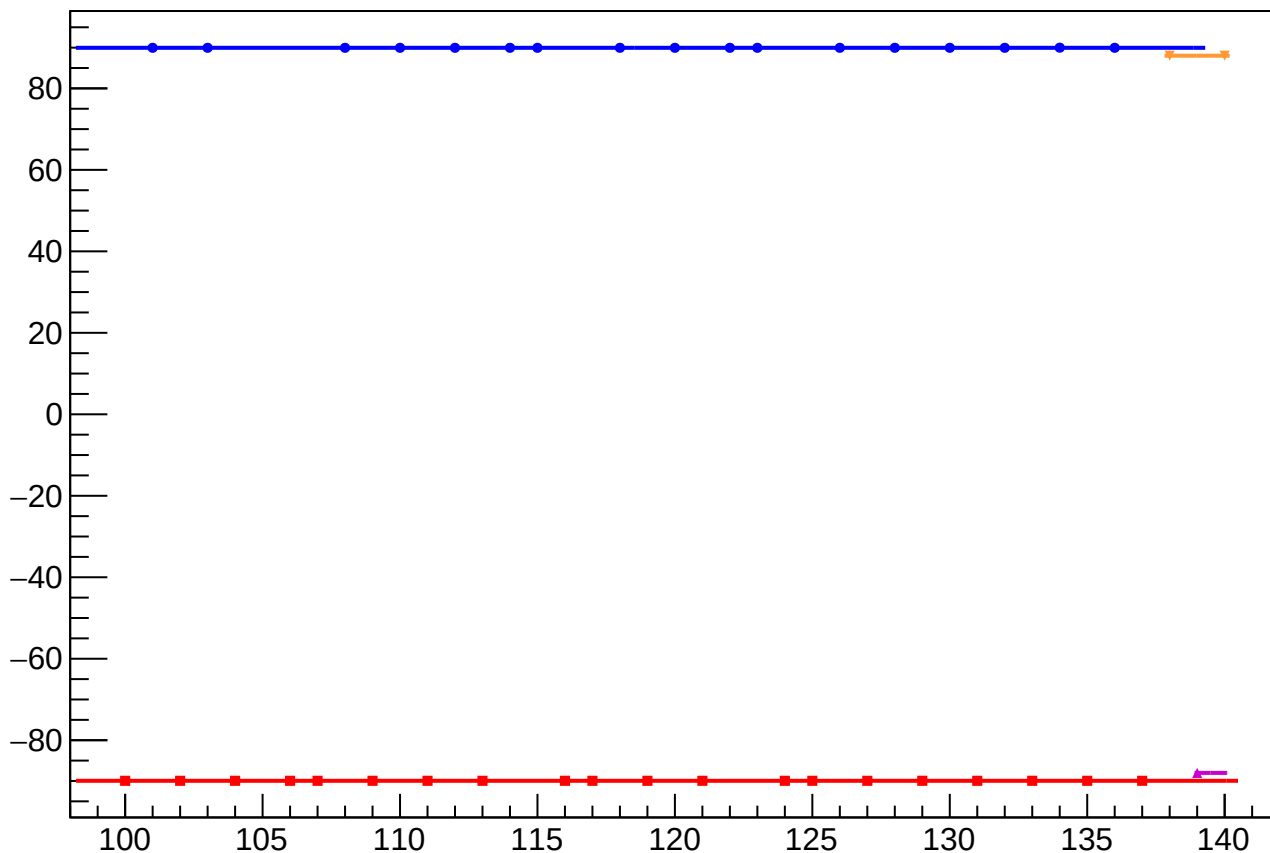
Left In: -1467.979+/-0.000 χ^2/NDF : 3825710.3/0

1467.979+/-0.000 χ^2/NDF : 964957883.3/18

27.169+/-0.000 χ^2/NDF : 3608327016949

-1467.979+/-0.000 χ^2/NDF : 813066843.4/20

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.960 $\pm$ 0.000 χ^2 /NDF: 22241994025452511954976374784.0/16

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 16559.8/1

Right Out: -89.959 $\pm$ 0.000 χ^2 /NDF: 965111.4/19

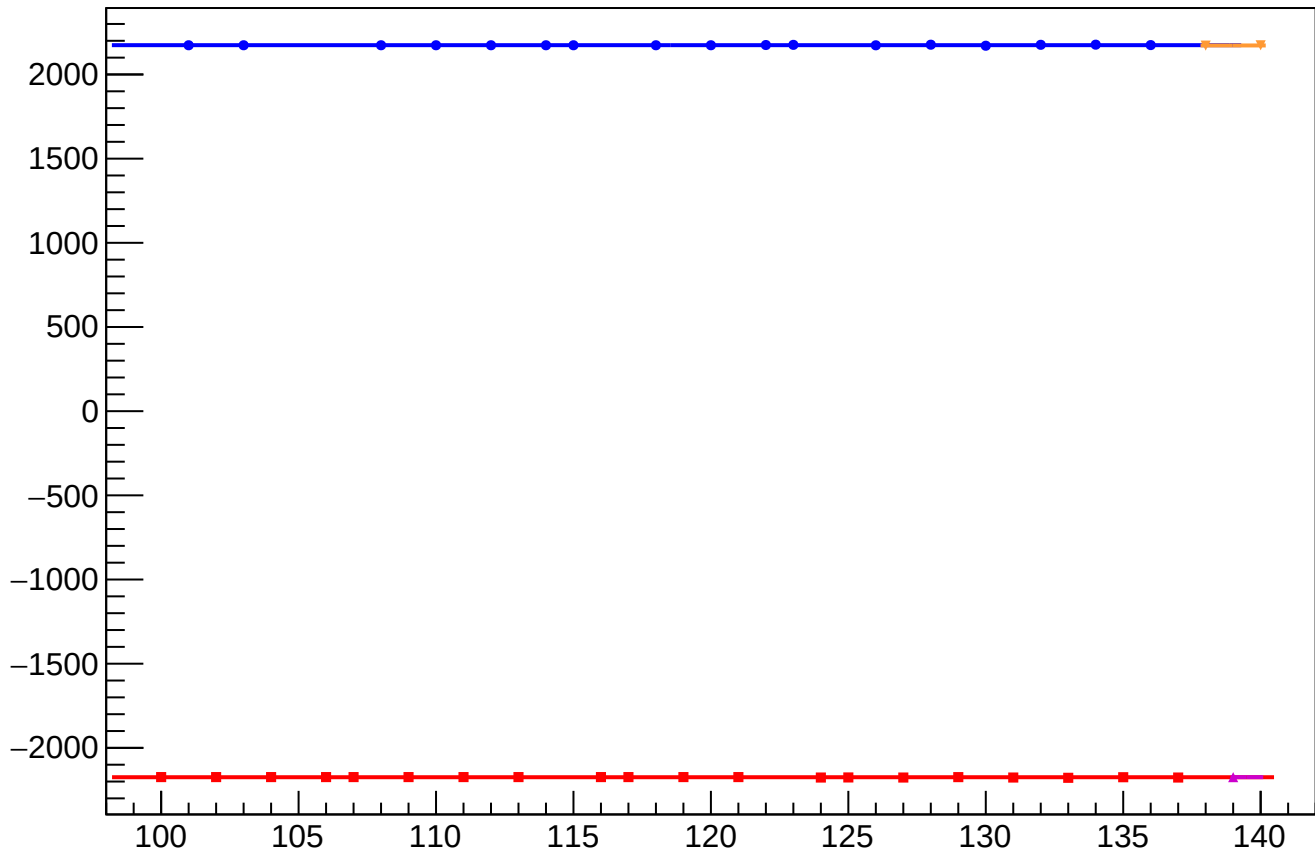
Left In: -88.021 $\pm$ 0.000 χ^2 /NDF: 0.0/0

89.596 $\pm$ 0.000 χ^2 /NDF: 489041997248842532

1.566 $\pm$ 0.000 χ^2 /NDF: 13470511799092

-89.785 $\pm$ 0.000 χ^2 /NDF: 25306676680140765

HALLA_p_mean vs Slug, Sign Corrected



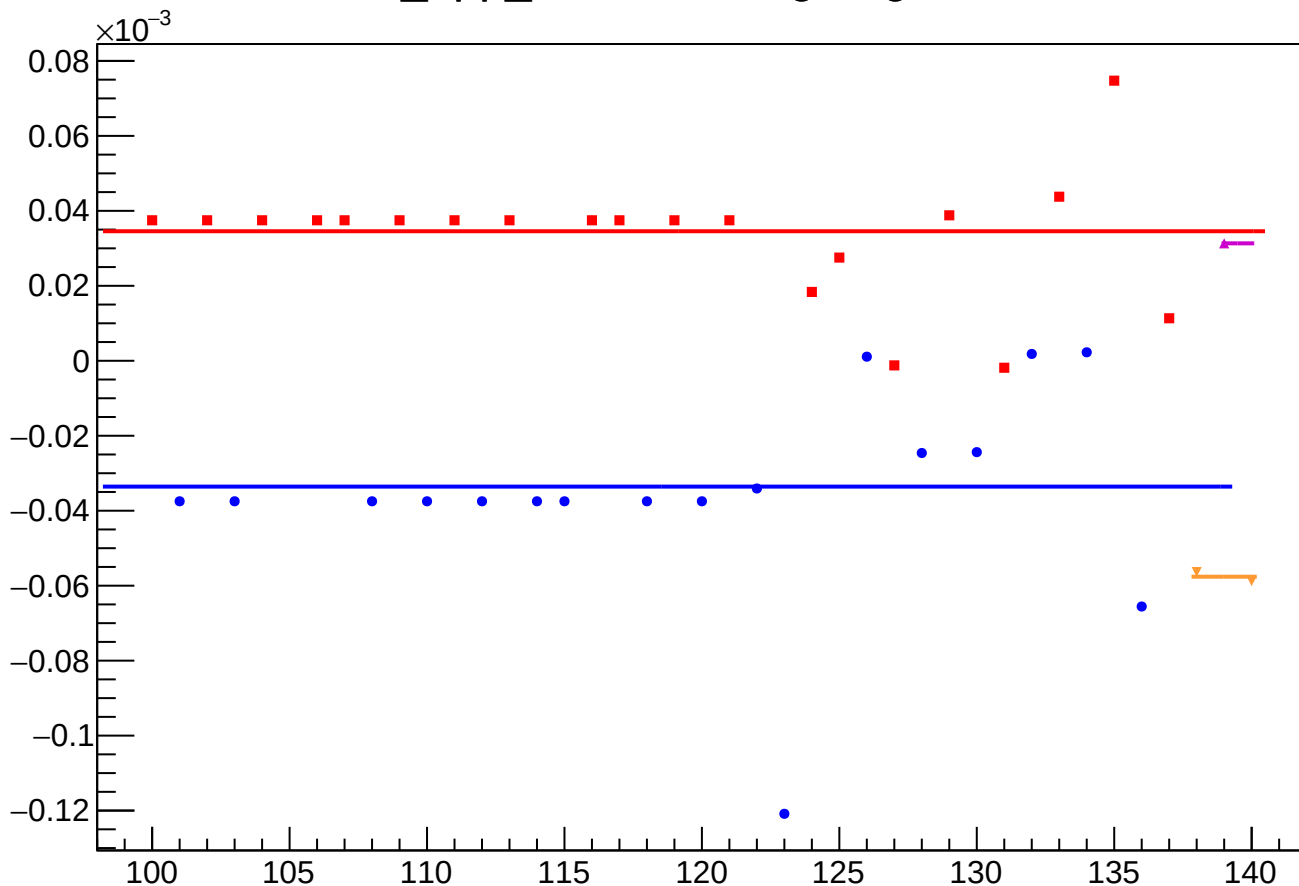
Right In: 2174.056 $\pm$ 0.000 χ^2 /NDF: 1540627337710283644302236183429120.0/16

Left Out: 2172.355 $\pm$ 0.000 χ^2 /NDF: 135083138950590824879239681015808.0/1

Right Out: -2174.358 $\pm$ 0.000 χ^2 /NDF: 1264231113010335742320671948013568.0/19

Left In: -2173.923 $\pm$ 0.000 χ^2 /NDF: 0.0/0

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF : 261082170040518671597568.0/16

Left Out: -0.000+/-0.000 χ^2/NDF : 234335347211980439552.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 205320369613969110859776.0/19

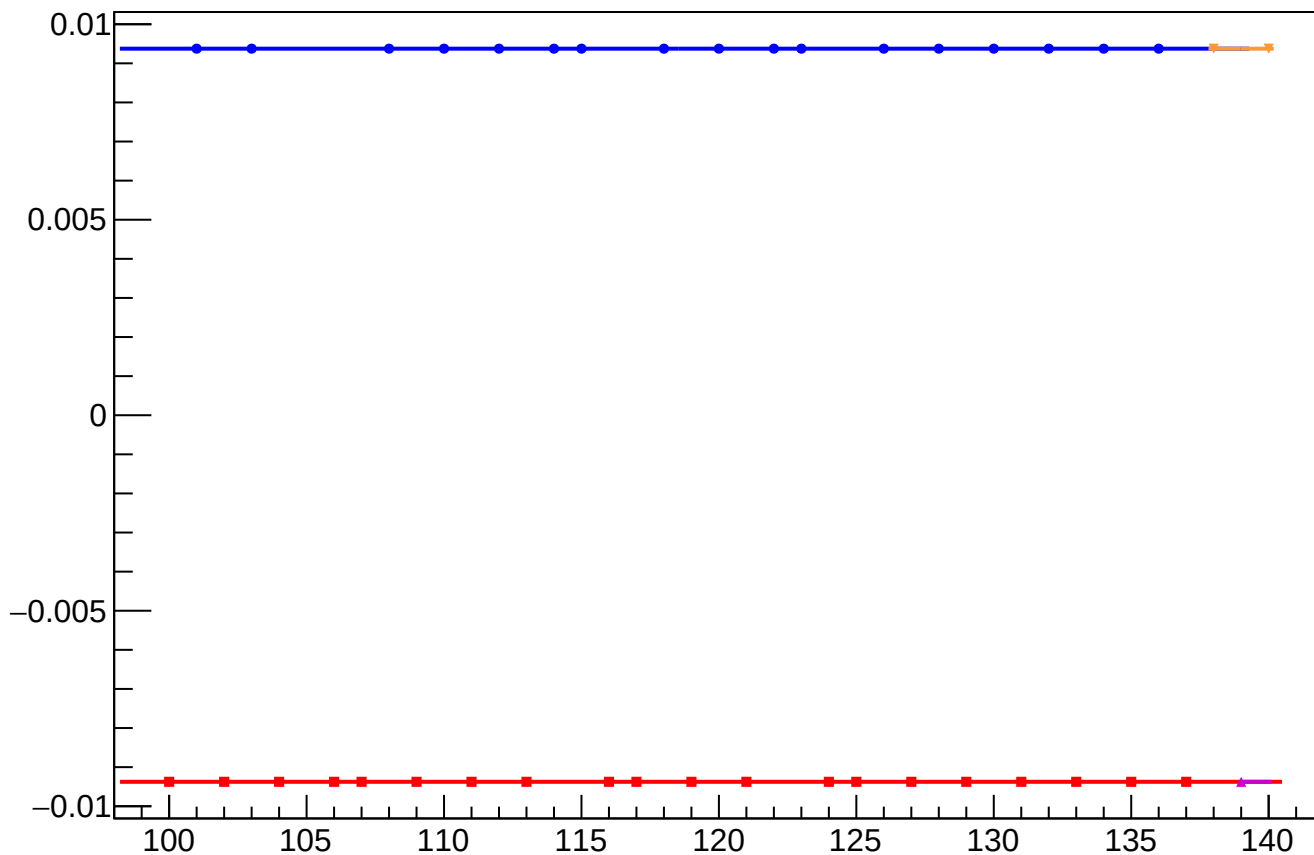
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.000+/-0.000 χ^2/NDF : 336424375010817103

-0.000+/-0.000 χ^2/NDF : 27333794371294

0.000+/-0.000 χ^2/NDF : 2060237418161938865

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

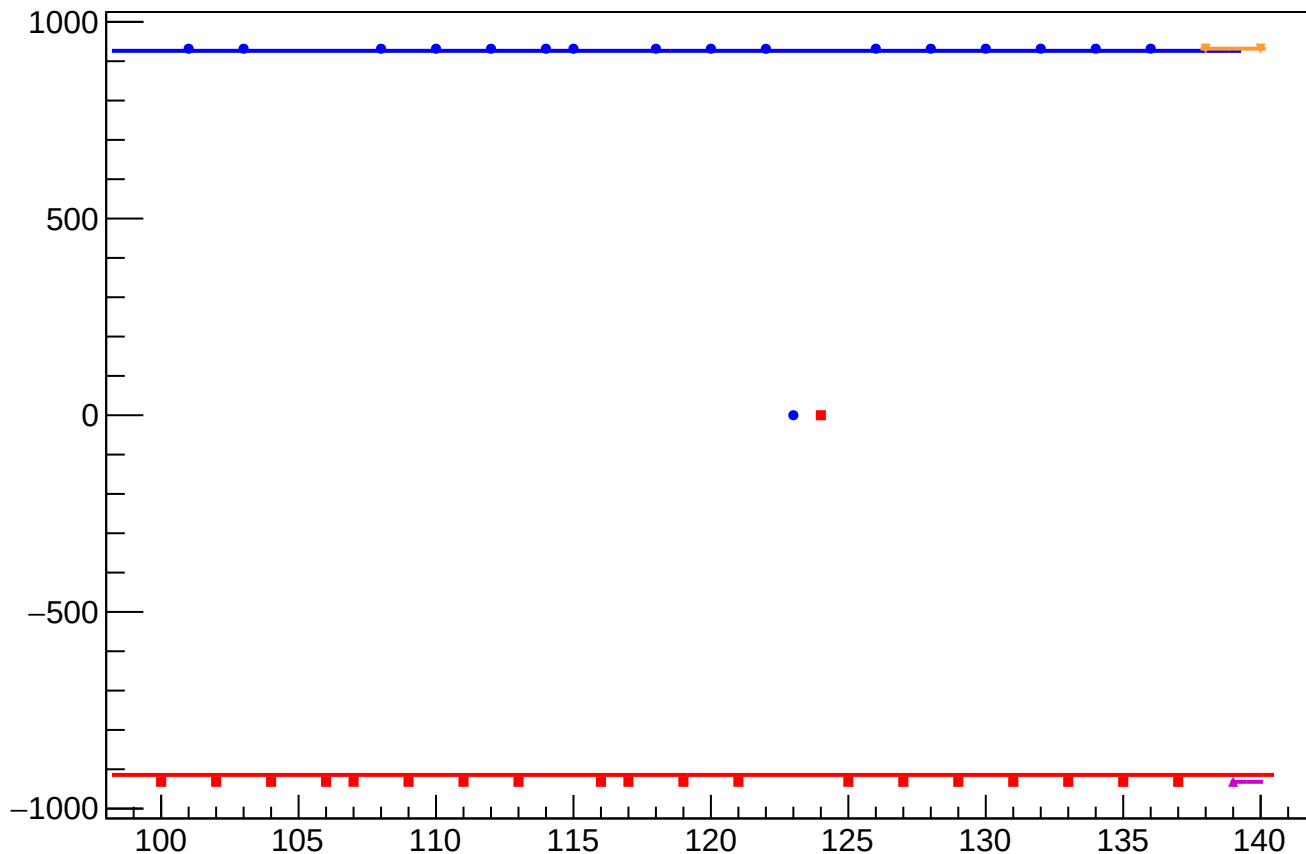
Left In: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

0.000 $\pm$ 0.000 χ^2 /NDF: 14716637126865

-0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/20

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



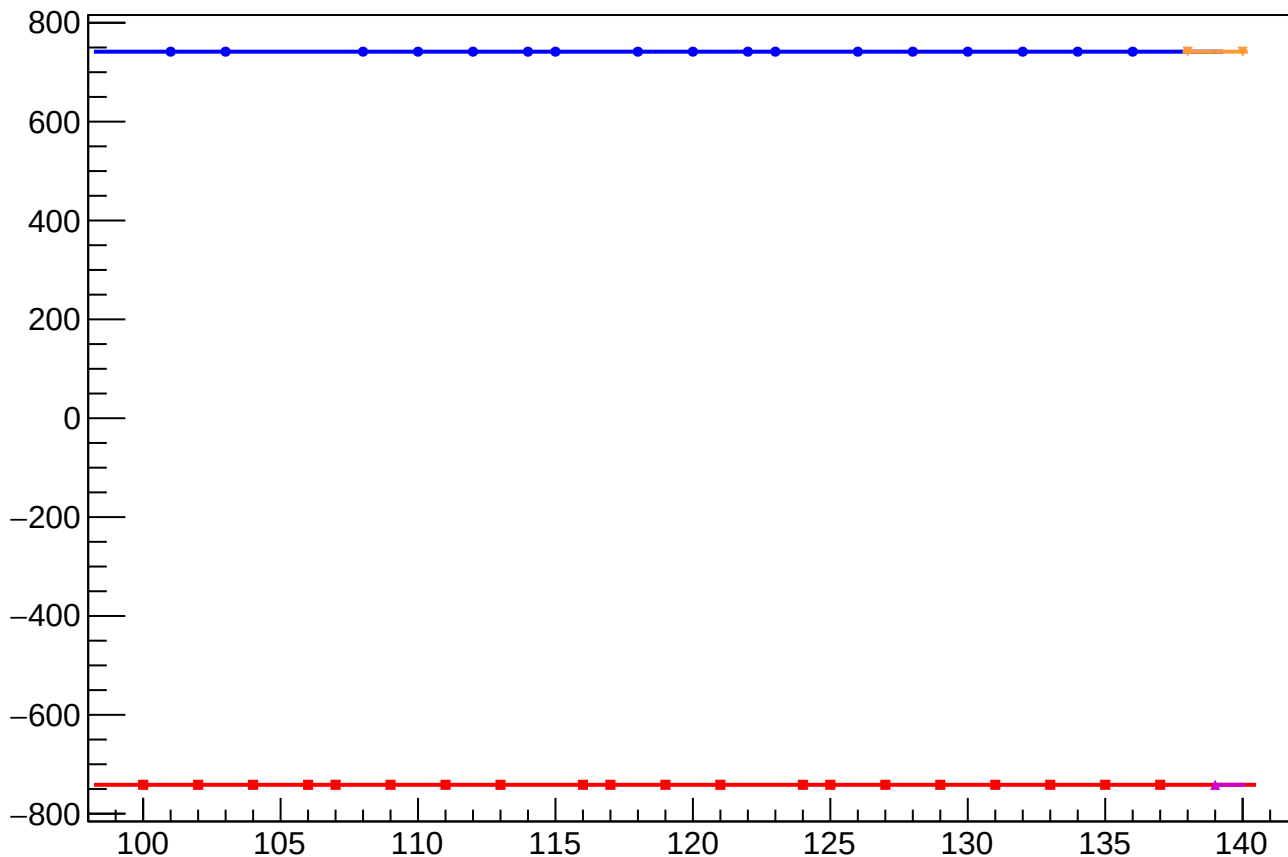
Right In: 926.386+/-0.000 χ^2/NDF : 3452467754227541020877770418970165248.0/16

Left Out: 931.871+/-0.000 χ^2/NDF : 11475057832658989587042926592.0/1

Right Out: -914.329+/-0.000 χ^2/NDF : 11926383090568783667643627436949635072.0/19

Left In: -931.867+/-0.000 χ^2/NDF : 0.0/0

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.532+/-0.000 χ^2/NDF : 32849351469491643197637525504.0/16

Left Out: 741.524+/-0.000 χ^2/NDF : 2771856754673576864366198784.0/1

Right Out: -741.533+/-0.000 χ^2/NDF : 28343010063633014145849229312.0/19

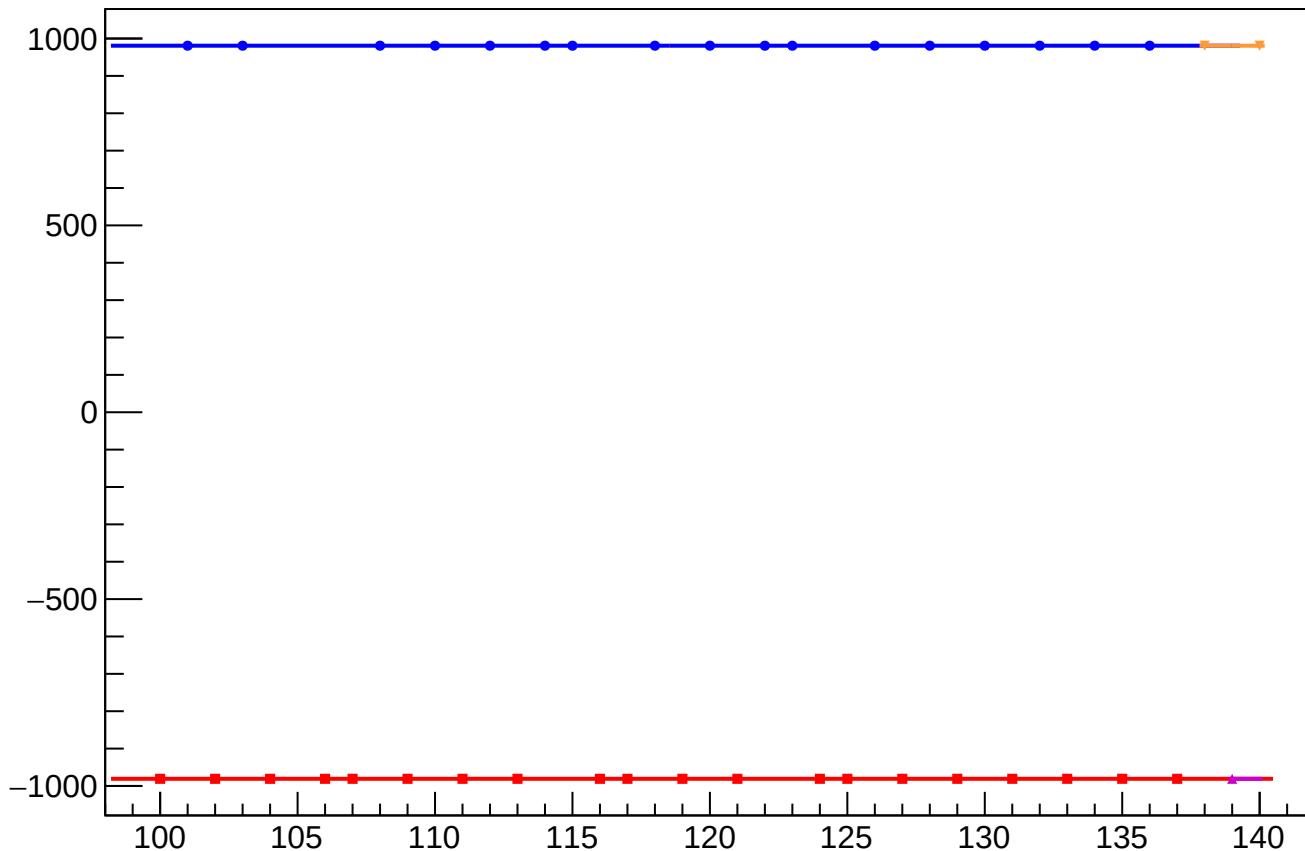
Left In: -741.522+/-0.000 χ^2/NDF : 956427.6/0

741.531+/-0.000 χ^2/NDF : 45088654561194319

13.723+/-0.000 χ^2/NDF : 9207145740235

-741.532+/-0.000 χ^2/NDF : 3691423959109114

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



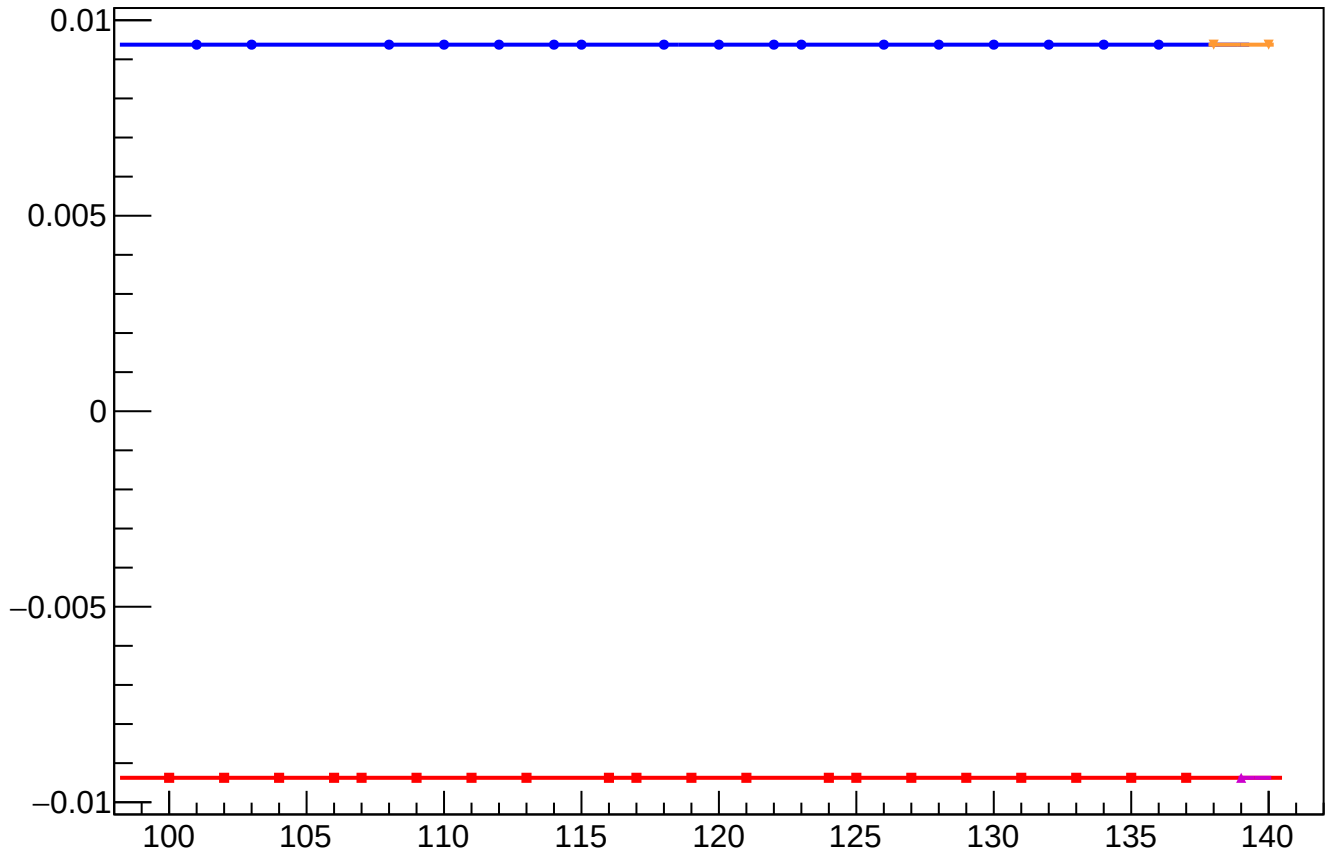
Right In: 980.829+/-0.000 χ^2/NDF : 167564898661061940746253238272.0/16

Left Out: 980.761+/-0.000 χ^2/NDF : 1332001499723758344270249984.0/1

Right Out: -980.826+/-0.000 χ^2/NDF : 179755692387407514348787073024.0/19

Left In: -980.760+/-0.000 χ^2/NDF : 0.0/0

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/19

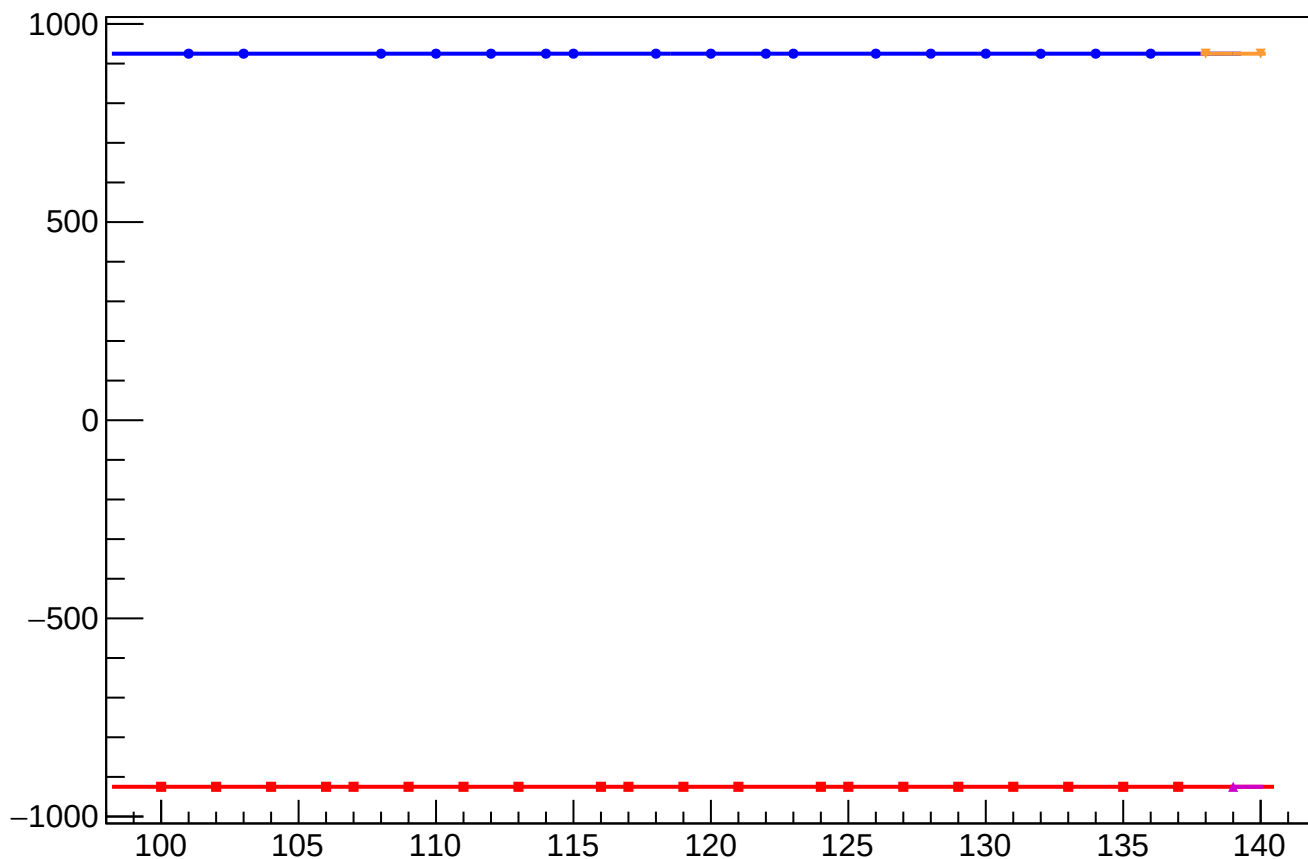
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/0

0.009+/-0.000 χ^2/NDF : 0.1/18

0.000+/-0.000 χ^2/NDF : 14716637126865

-0.009+/-0.000 χ^2/NDF : 0.0/20

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.951+/-0.000 χ^2/NDF : 1494768077098177221899893866496.0/16

Left Out: 924.977+/-0.000 χ^2/NDF : 52693788527014842810773798912.0/1

Right Out: -924.960+/-0.000 χ^2/NDF : 77324010756500300508572942336.0/19

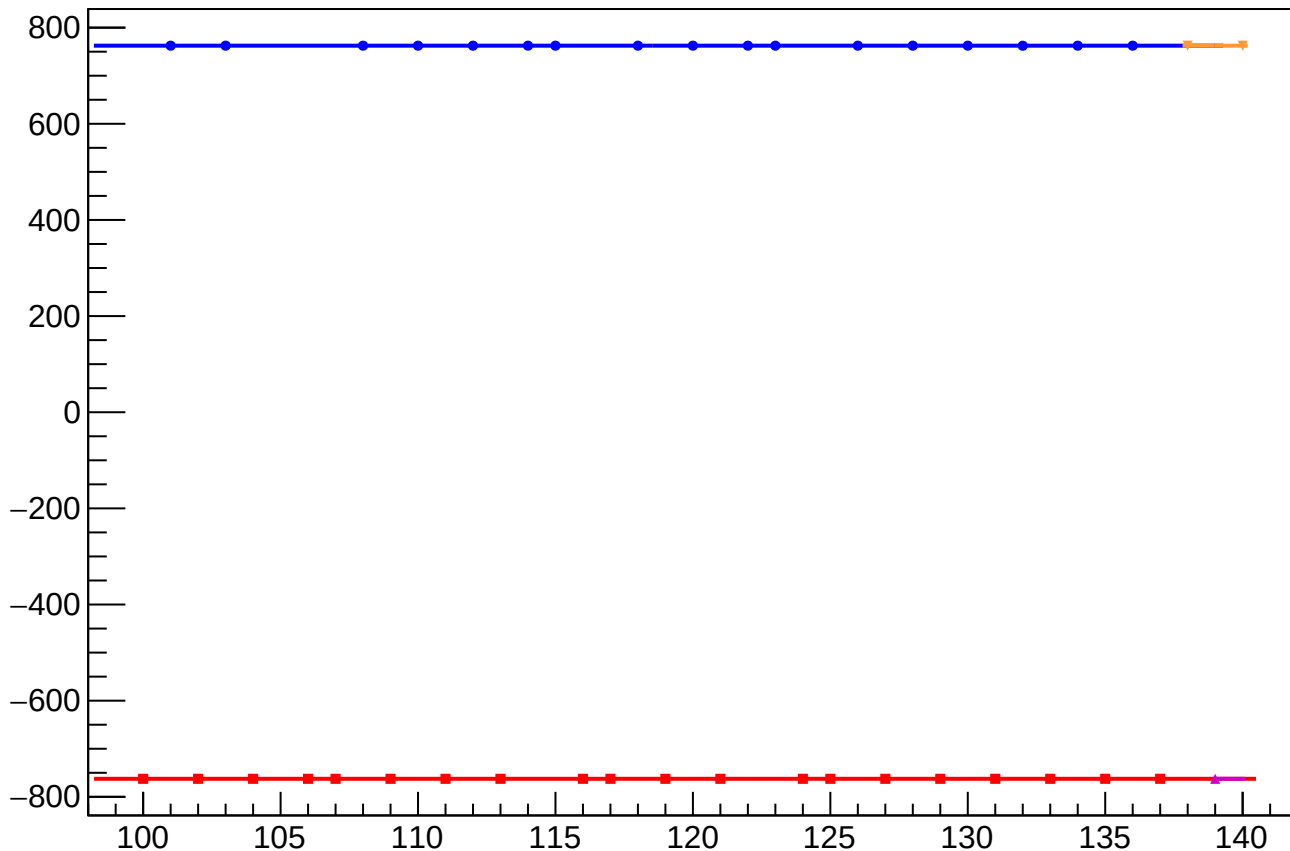
Left In: -924.980+/-0.000 χ^2/NDF : 0.0/0

924.956+/-0.000 χ^2/NDF : 16313580372254029

17.116+/-0.000 χ^2/NDF : 1432553889798

-924.962+/-0.000 χ^2/NDF : 1025931594437401

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.493+/-0.000 χ^2/NDF : 844860490387532826187107663872.0/16

Left Out: 762.493+/-0.000 χ^2/NDF : 8717777246506982995958693888.0/1

Right Out: -762.502+/-0.000 χ^2/NDF : 671534847335234231068524544.0/19

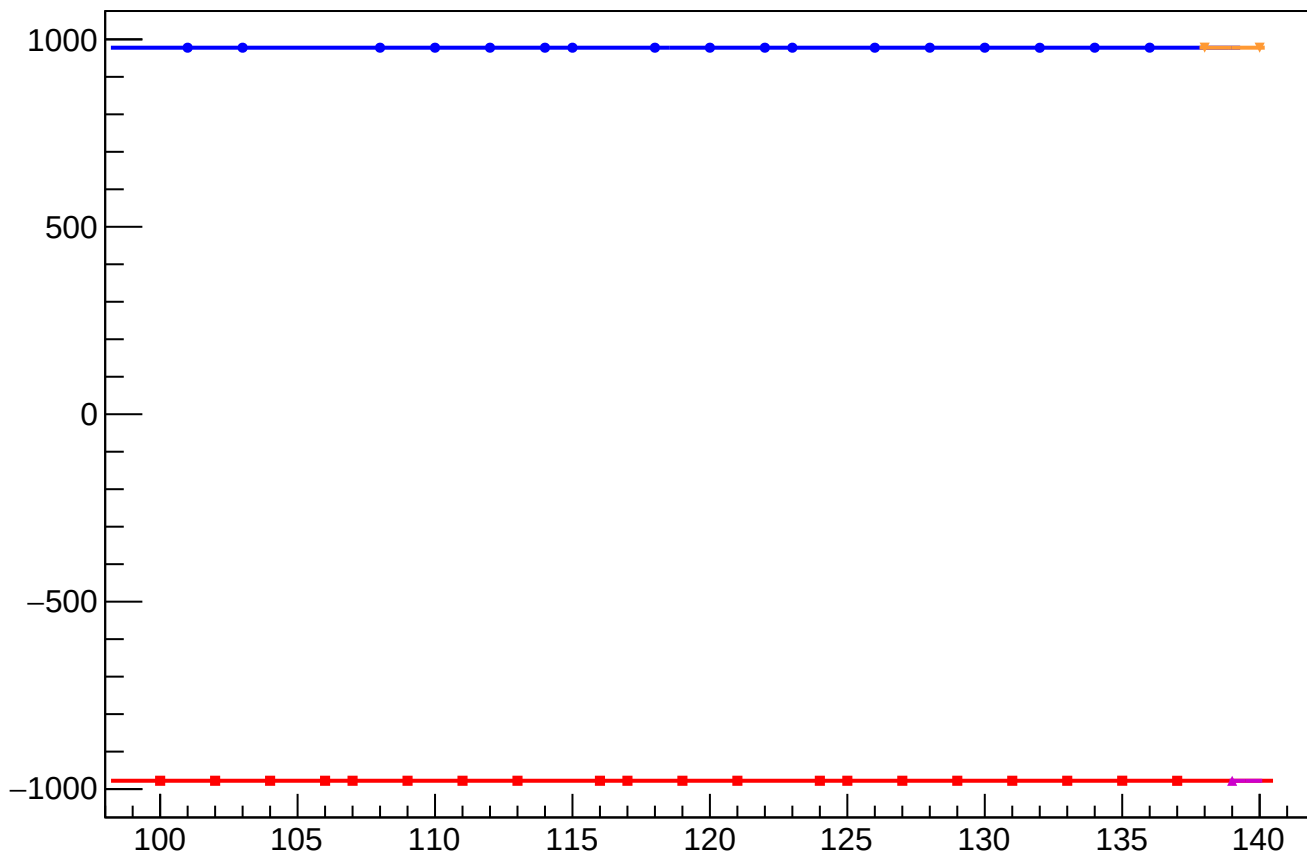
Left In: -762.497+/-0.000 χ^2/NDF : 956427.6/0

762.493+/-0.000 χ^2/NDF : 85358339697716267

14.108+/-0.000 χ^2/NDF : 9735148570867

-762.501+/-0.000 χ^2/NDF : 1963759479105613

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.743+/-0.000 χ^2/NDF : 1742505979268316185481239855104.0/16

Left Out: 977.782+/-0.000 χ^2/NDF : 245361032288193839251924713472.0/1

Right Out: -977.742+/-0.000 χ^2/NDF : 786821948031030942922994352128.0/19

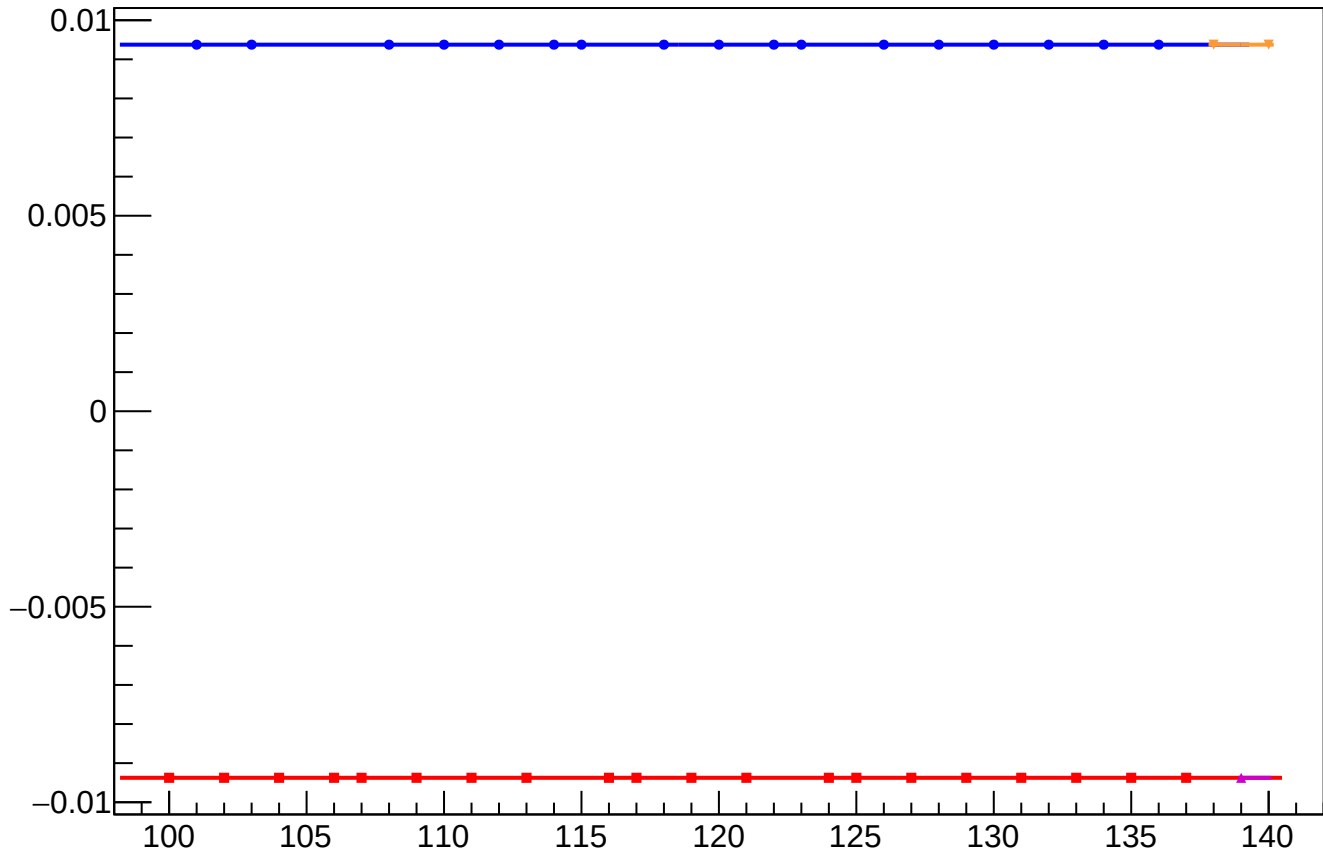
Left In: -977.840+/-0.000 χ^2/NDF : 0.0/0

977.751+/-0.000 χ^2/NDF : 21810685556346912

18.096+/-0.000 χ^2/NDF : 1600745723060

-977.751+/-0.000 χ^2/NDF : 1433894323293193

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/19

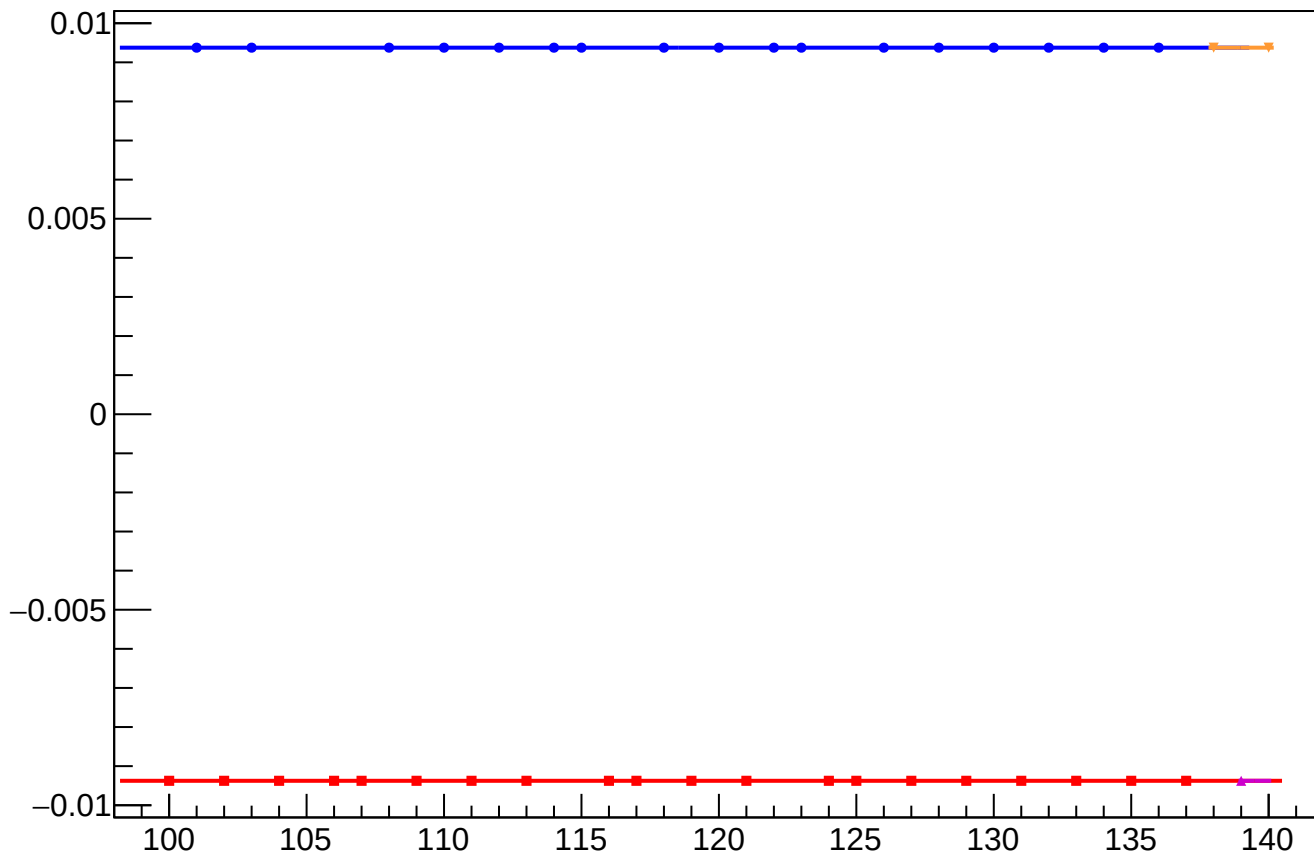
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/0

0.009+/-0.000 χ^2/NDF : 0.1/18

0.000+/-0.000 χ^2/NDF : 14716637126865

-0.009+/-0.000 χ^2/NDF : 0.0/20

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/19

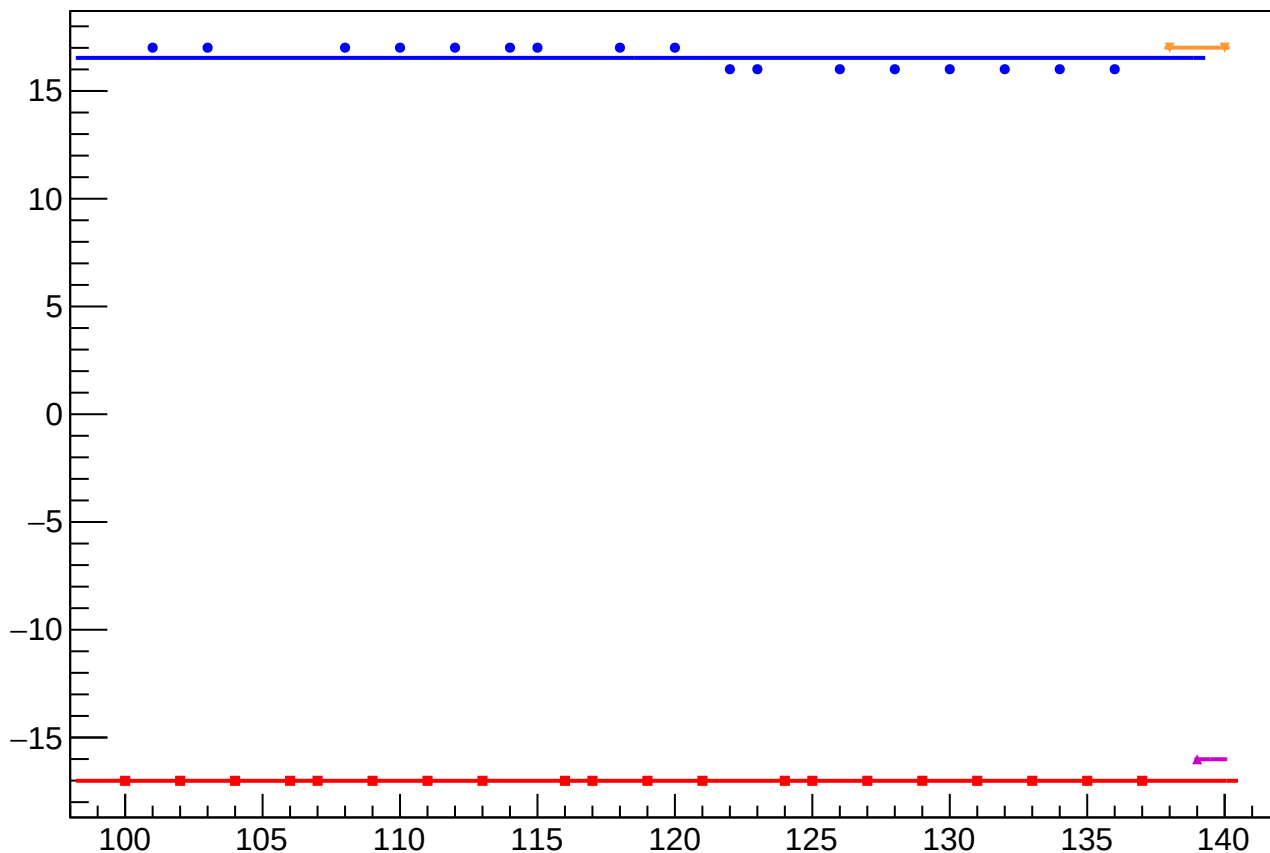
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/0

0.009+/-0.000 χ^2/NDF : 0.1/18

0.000+/-0.000 χ^2/NDF : 14716637126865

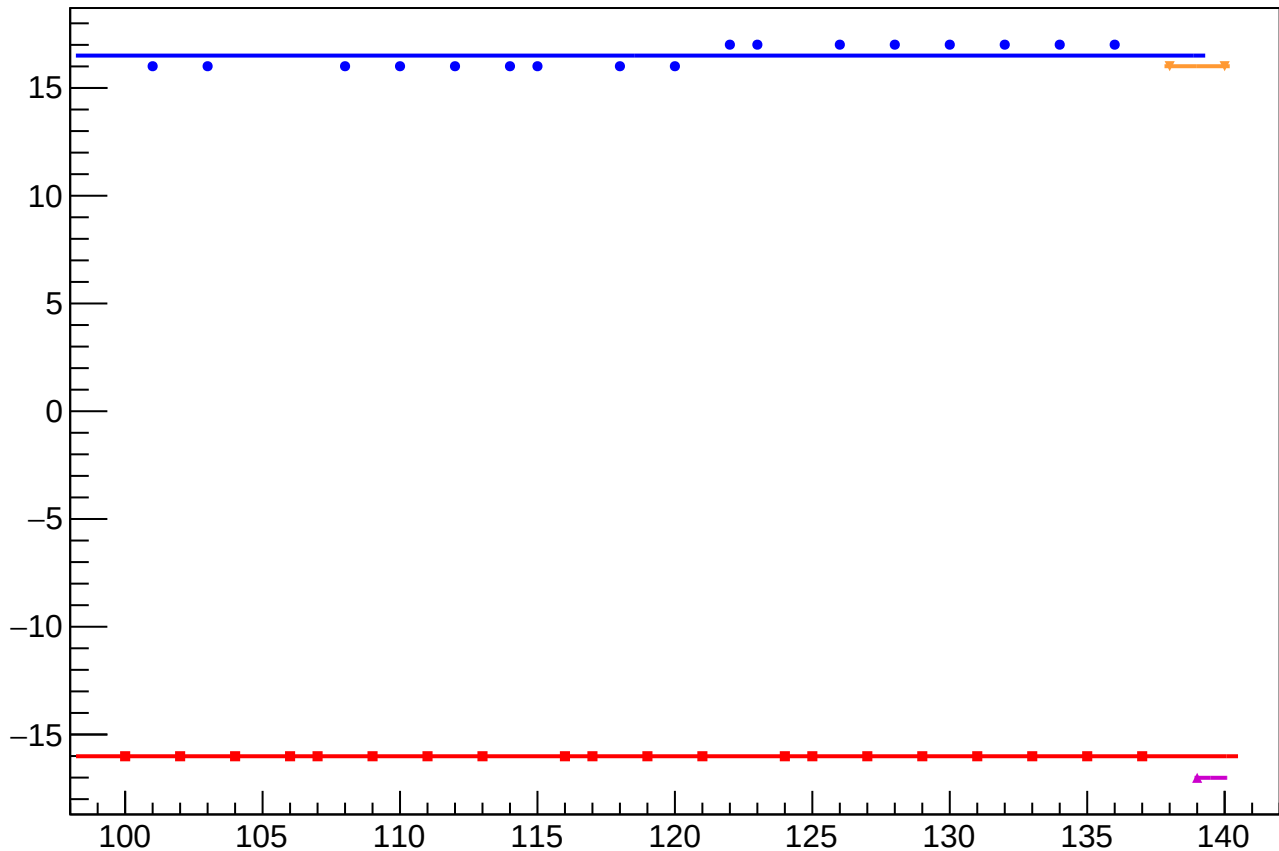
-0.009+/-0.000 χ^2/NDF : 0.0/20

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.536 $\pm$ 0.000 χ^2 /NDF: 166290854572710847195720592654336.0/16
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 10498080352741527388160.0/1
 Right Out: -17.009 $\pm$ 0.000 χ^2 /NDF: 11540731635624530264719360.0/19
 Left In: -16.009 $\pm$ 0.000 χ^2 /NDF: 0.0/0

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 16.503+/-0.000 χ^2/NDF : 173220779220767859821342581850112.0/16

Left Out: 16.009+/-0.000 χ^2/NDF : 984.5/1

Right Out: -16.009+/-0.000 χ^2/NDF : 51711.4/19

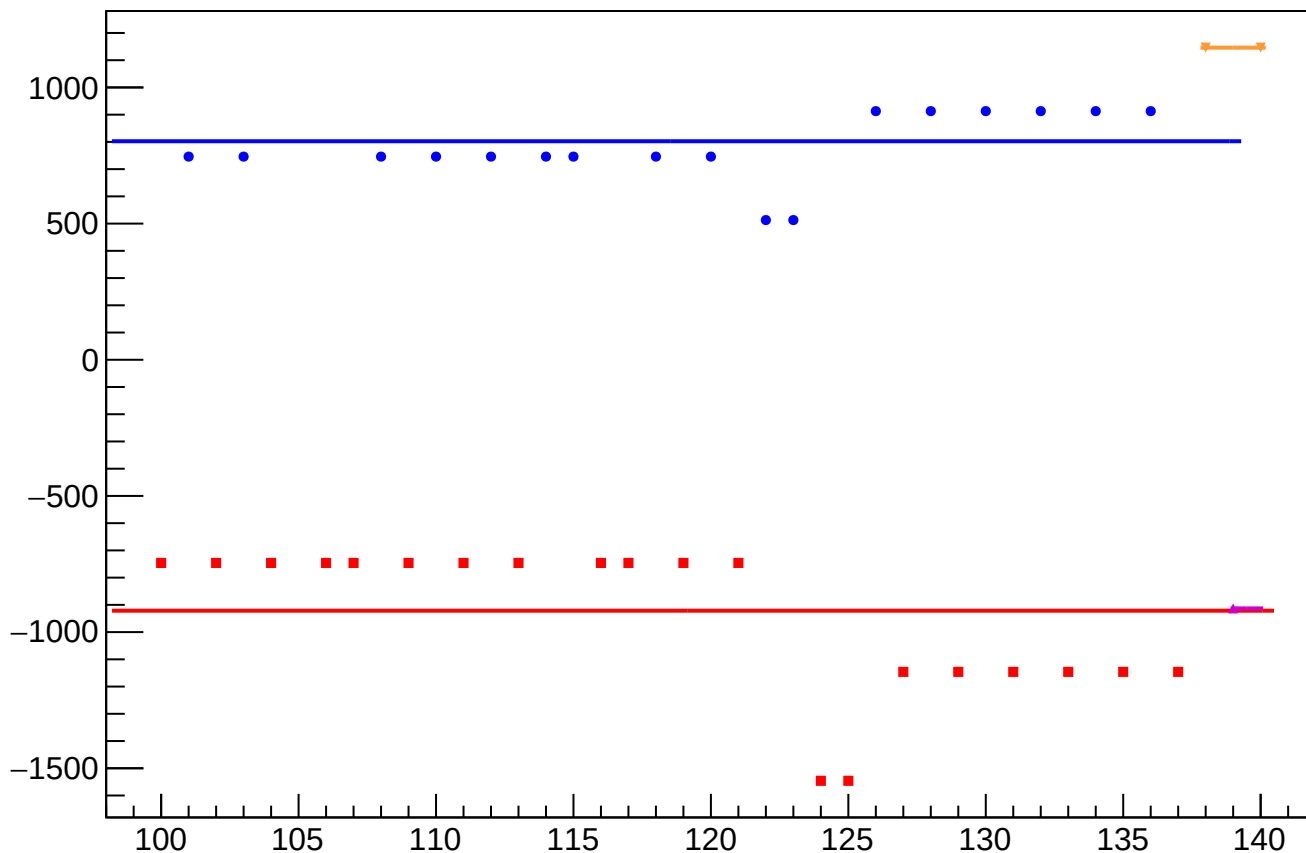
Left In: -17.009+/-0.000 χ^2/NDF : 0.0/0

16.410+/-0.000 χ^2/NDF : 20487924970690638

0.456+/-0.000 χ^2/NDF : 44268970682308

-16.099+/-0.000 χ^2/NDF : 67338199513376146

RTPAPOSUCNT_mean vs Slug, Sign Corrected



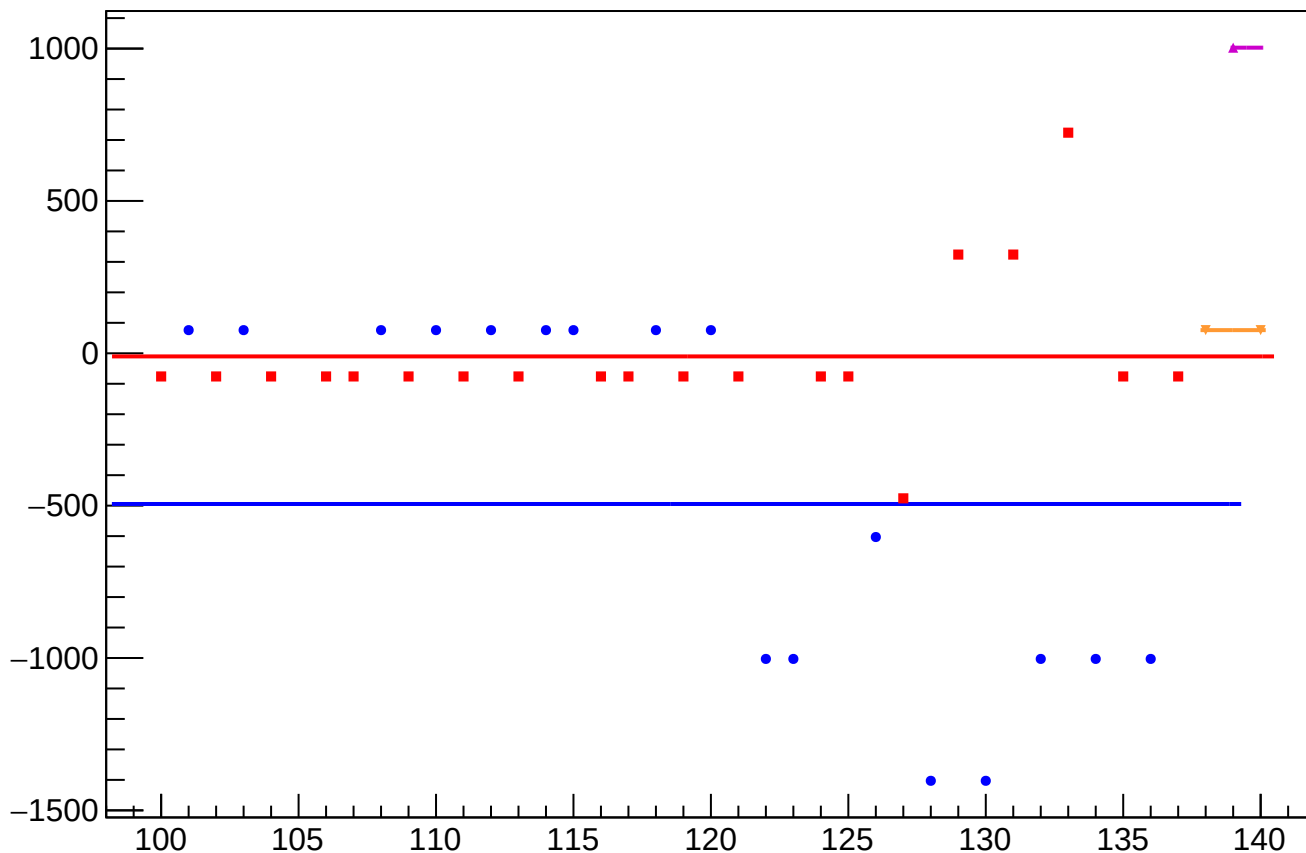
Right In: 802.433+/-0.000 χ^2/NDF : 8518512859792873312396438277176950784.0/16

Left Out: 1146.014+/-0.000 χ^2/NDF : 10202838200006770467799040.0/1

Right Out: -921.400+/-0.000 χ^2/NDF : 44830922812168808267288896825047646208.0/19

Left In: -912.991+/-0.000 χ^2/NDF : 956427.6/0

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -494.579 ± 0.000 $\chi^2/\text{NDF}: 253199546676747861412476401848126799872.0/16$

Left Out: 76.010 ± 0.000 $\chi^2/\text{NDF}: 13487823564373963487313920.0/1$ -387.551 ± 0.000 $\chi^2/\text{NDF}: 2955199435774587$

Right Out: -10.233 ± 0.000 $\chi^2/\text{NDF}: 43963419681025124833204803444750155776.0/19$ -157.621 ± 0.000 $\chi^2/\text{NDF}: 50050818483$

Left In: 1002.991 ± 0.000 $\chi^2/\text{NDF}: 956427.6/0$ 80.982 ± 0.000 $\chi^2/\text{NDF}: 113094408193946870$