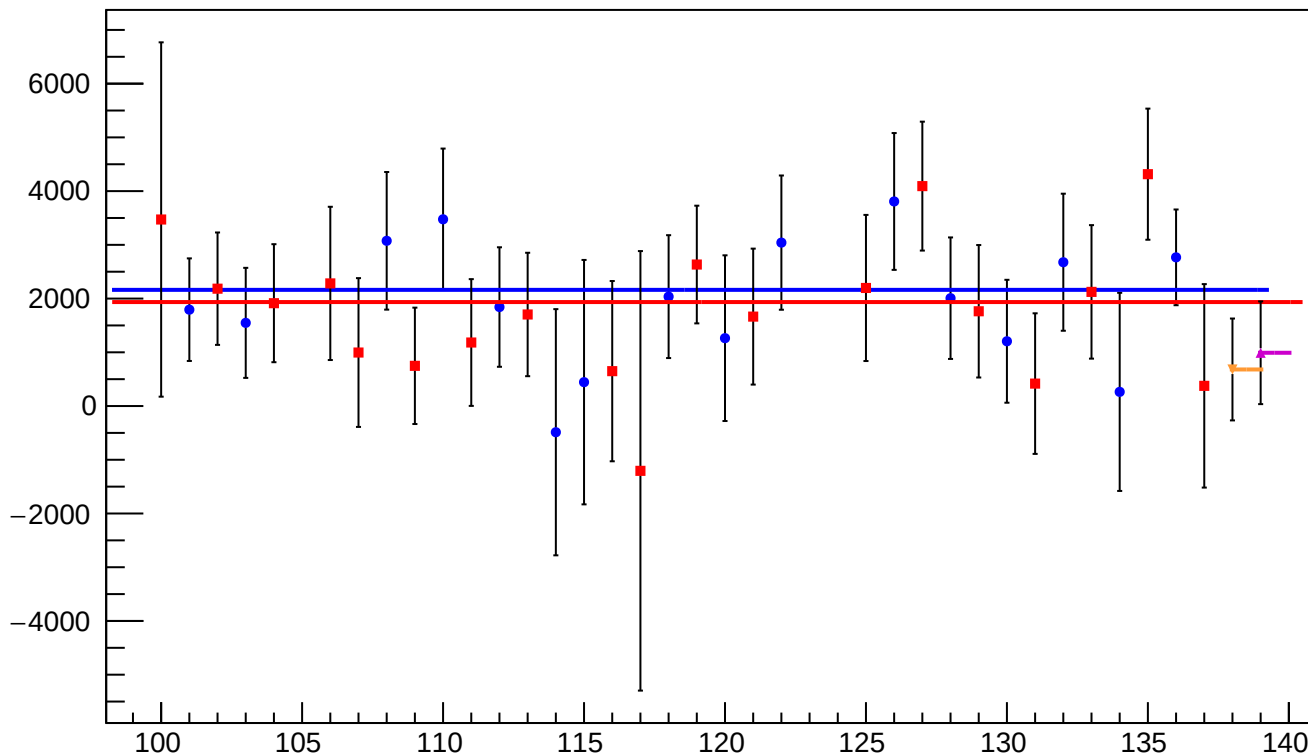


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 680.552+/-948.021

χ^2/NDF : 0.0/0

Right Out: 1935.183+/-299.773

χ^2/NDF : 13.2/18

Left In: 991.294+/-955.645

χ^2/NDF : 0.0/0

2021.412+/-292.336

χ^2/NDF : 11.1/16

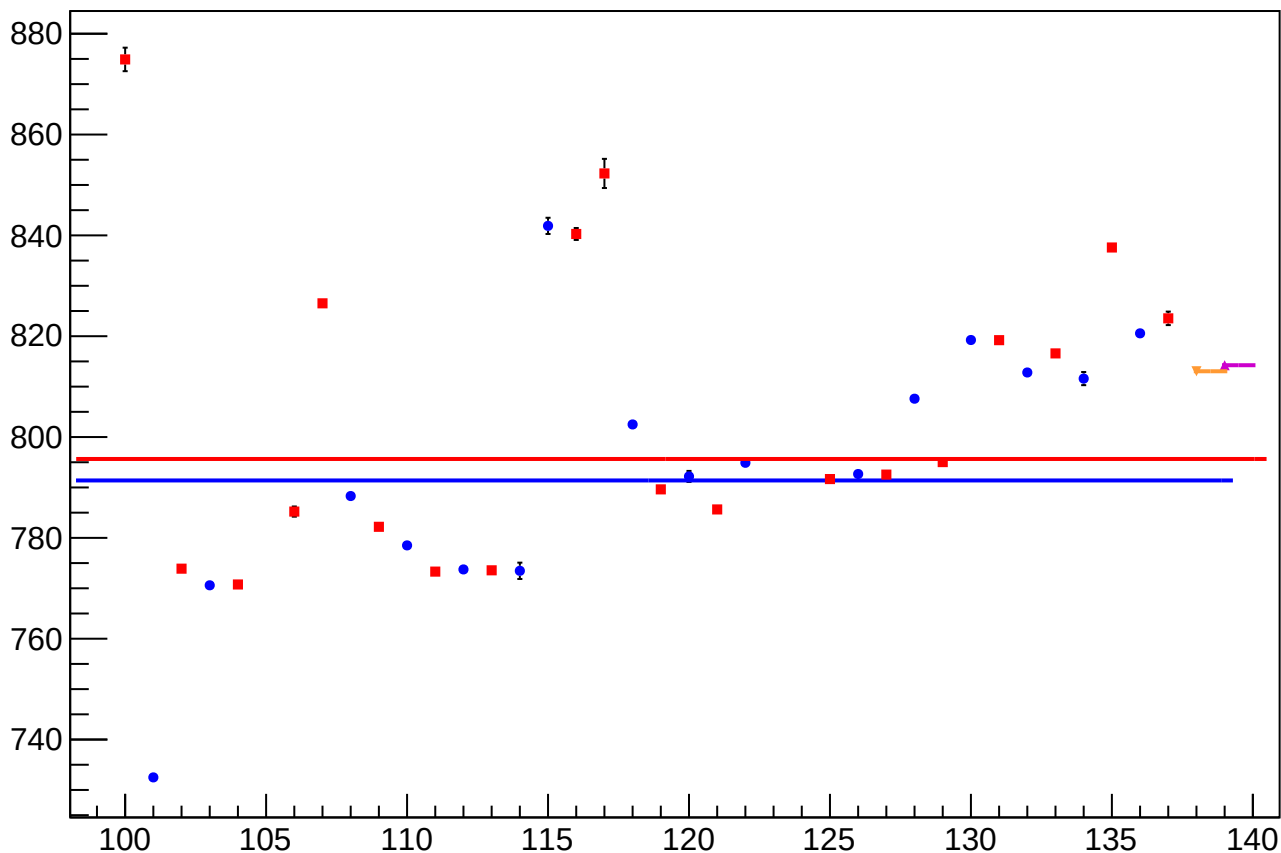
1934.157+/-204.447

χ^2/NDF : 25.4/36

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: 813.047 $\pm$ 0.670 χ^2 /NDF: 0.0/0

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

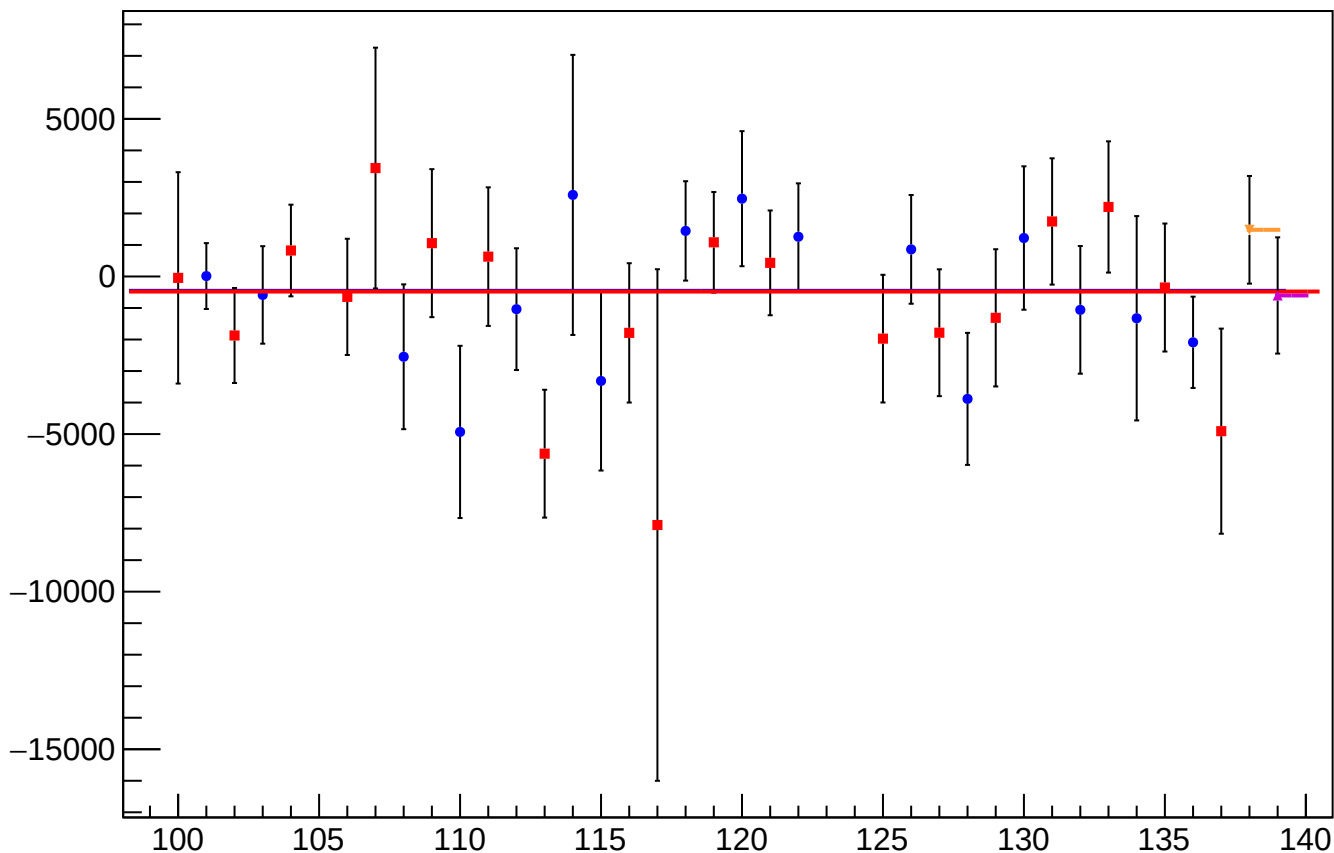
Left In: 814.247 $\pm$ 0.676 χ^2 /NDF: 0.0/0

793.450 $\pm$ 0.207 χ^2 /NDF: 15952.7/16

795.425 $\pm$ 0.145 χ^2 /NDF: 28766.3/36

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: 1480.764+/-1708.031 χ^2/NDF : 0.0/0

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

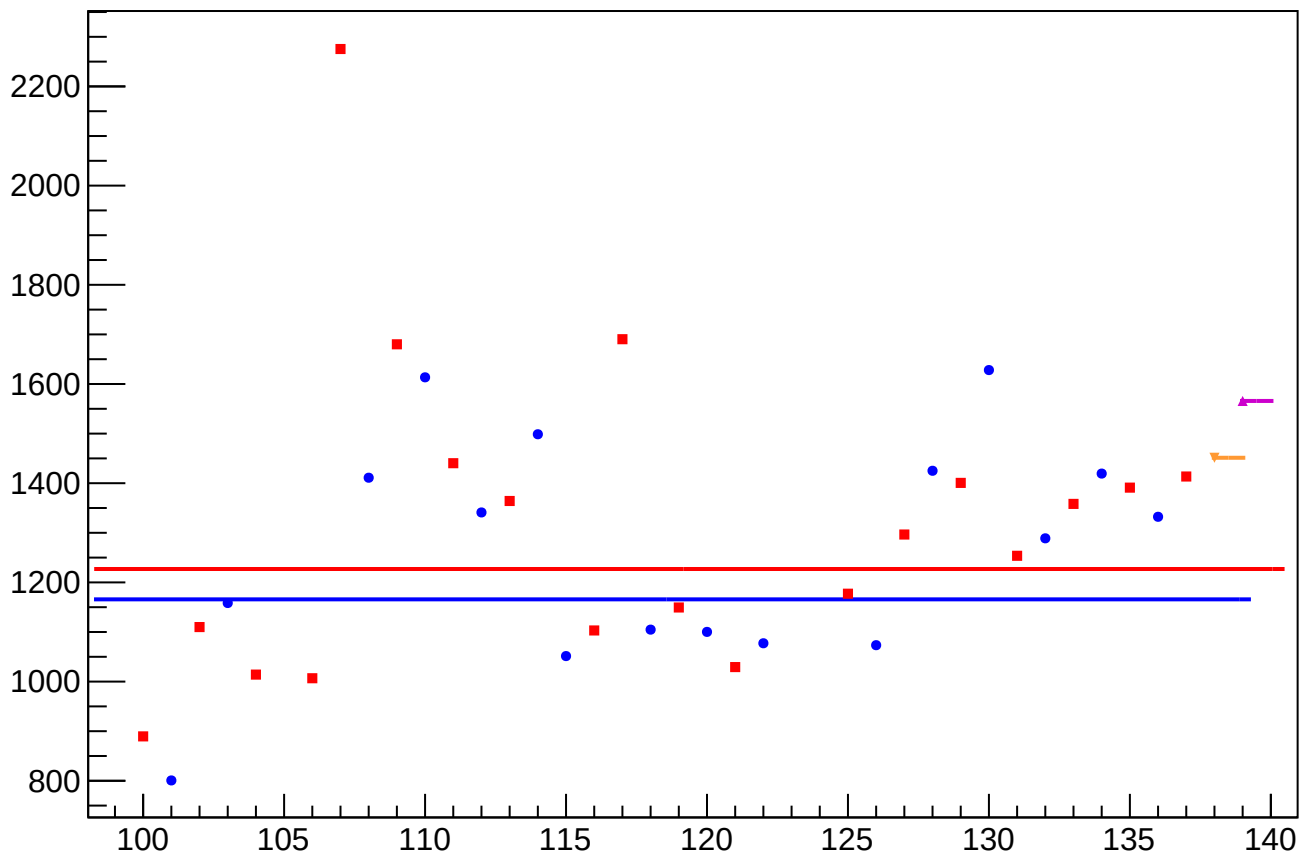
Left In: -602.323+/-1844.140 χ^2/NDF : 0.0/0

-322.467+/-447.980 χ^2/NDF : 16.1/16

-402.288+/-319.988 χ^2/NDF : 34.3/36

-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: 1451.284 $\pm$ 1.208 χ^2 /NDF: 0.0/0

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

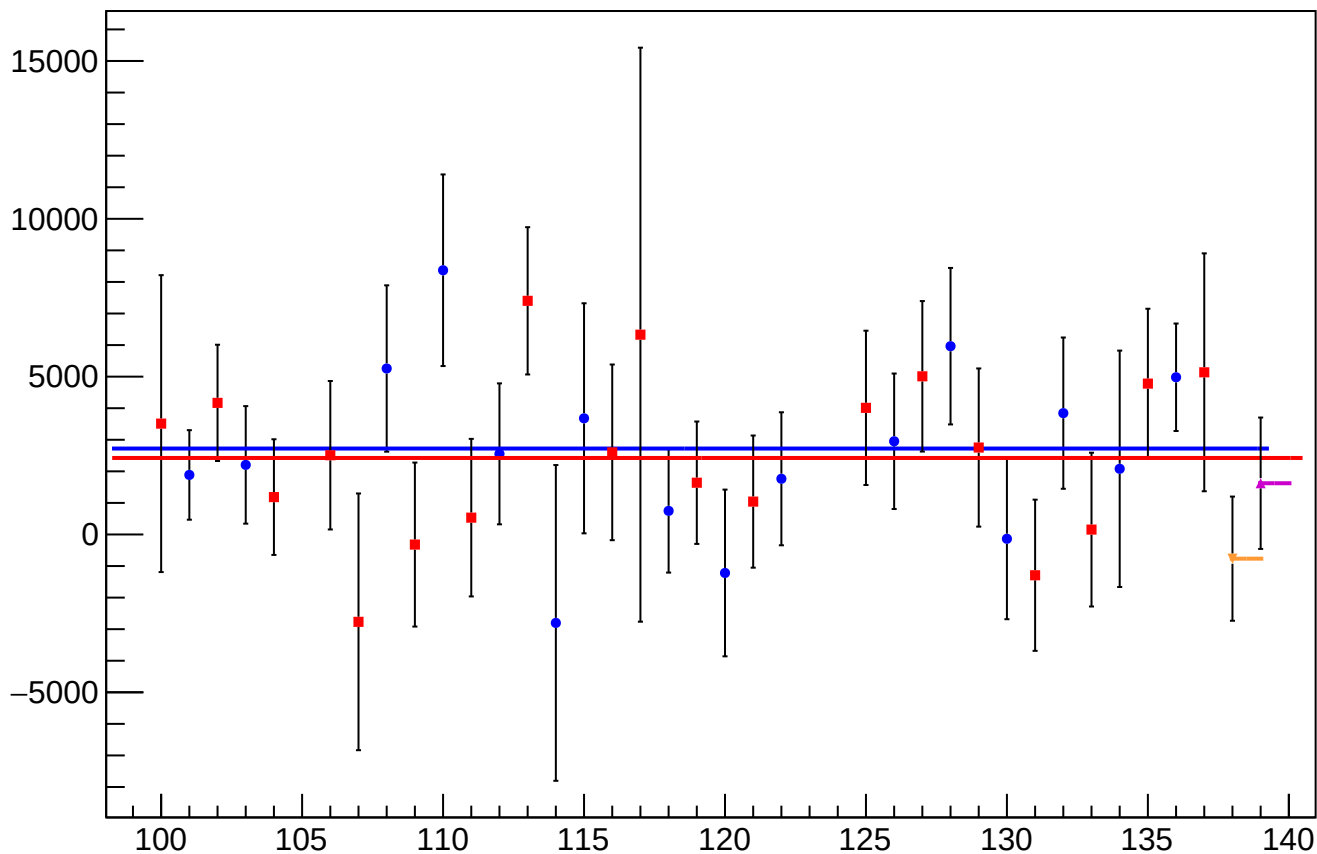
Left In: 1565.843 $\pm$ 1.304 χ^2 /NDF: 0.0/0

1185.450 $\pm$ 0.317 χ^2 /NDF: 578826.6/16

1216.012 $\pm$ 0.226 χ^2 /NDF: 1108155.9/36

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: -766.254+/-1967.001 χ^2/NDF : 0.0/0

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

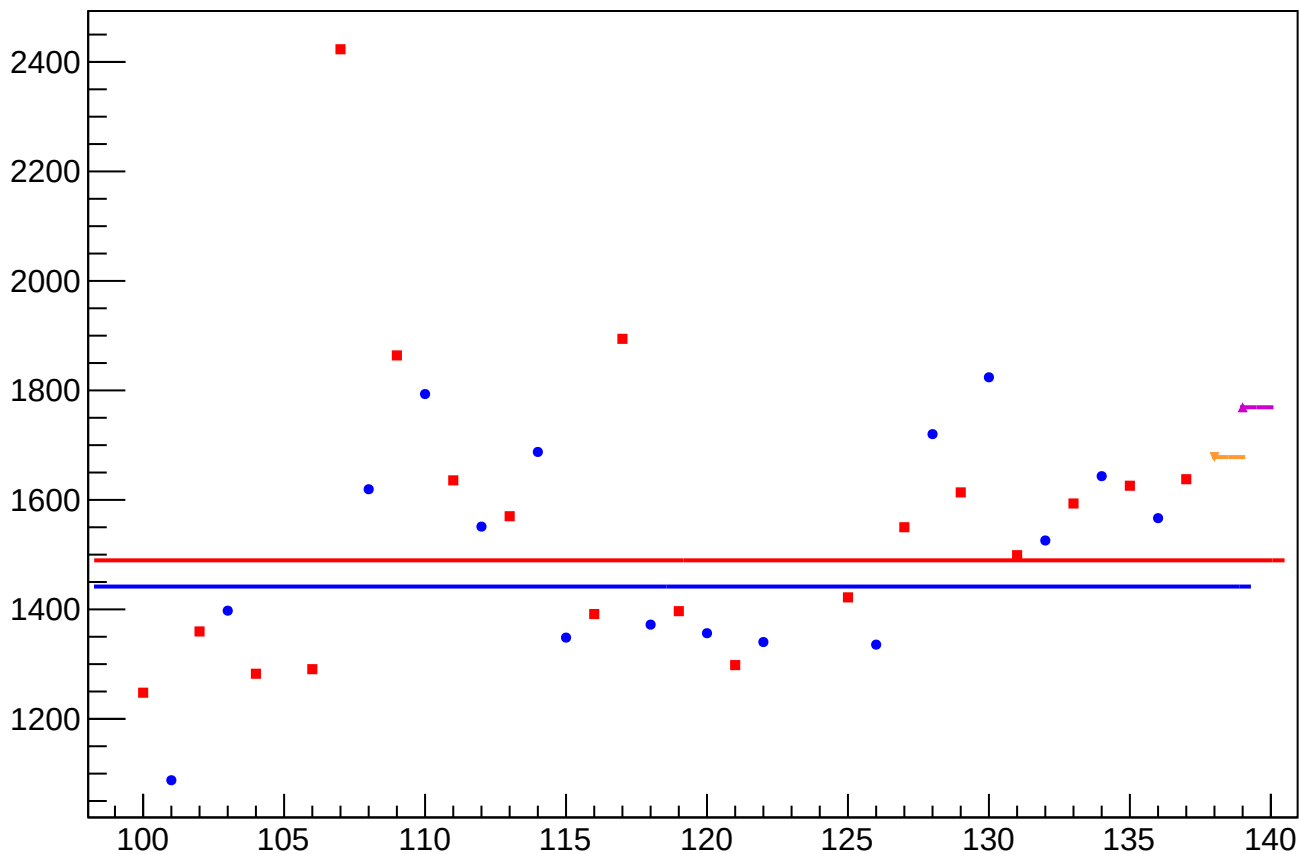
Left In: 1623.244+/-2081.283 χ^2/NDF : 0.0/0

2454.543+/-544.953 χ^2/NDF : 17.5/16

2411.637+/-386.357 χ^2/NDF : 34.1/36

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: 1678.197+/-1.391 χ^2/NDF : 0.0/0

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

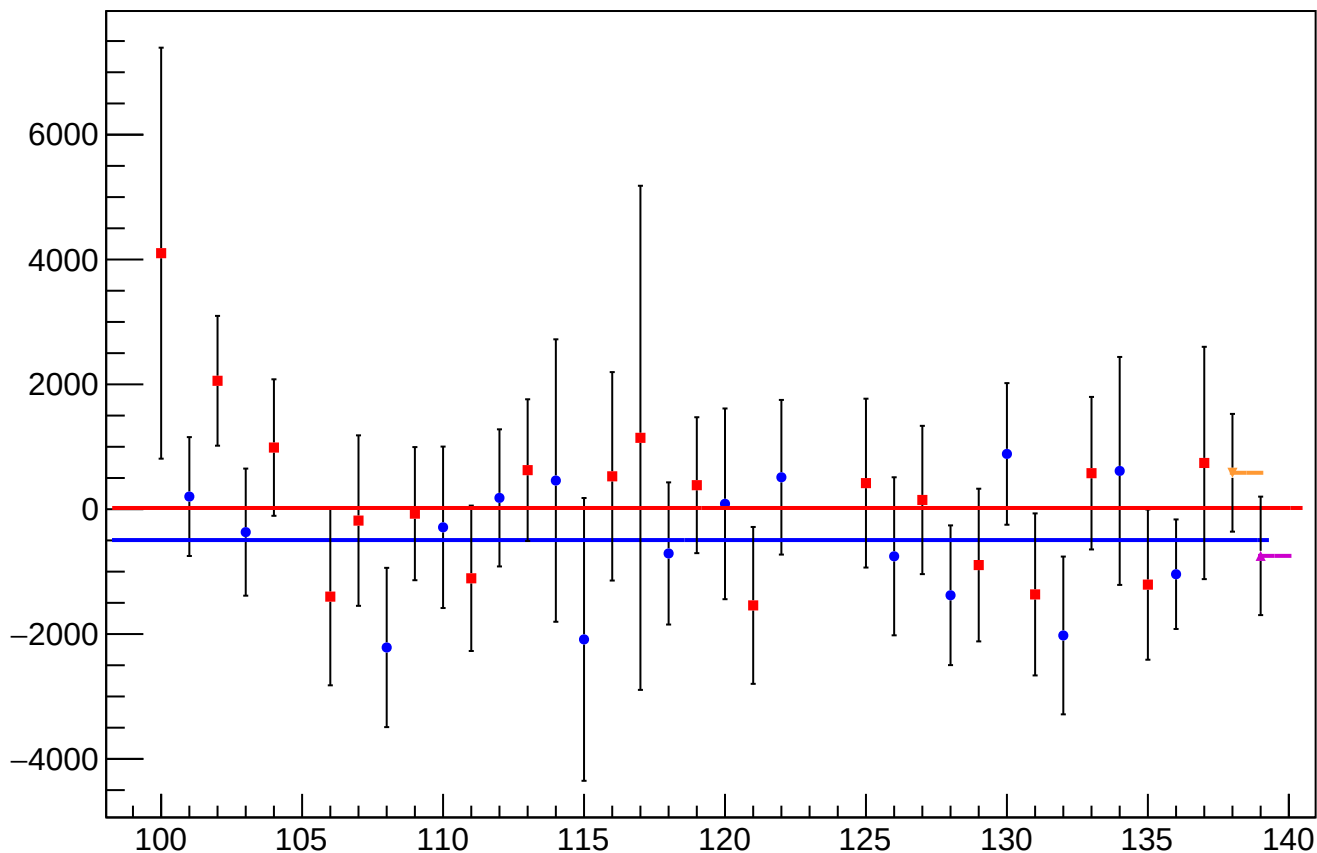
Left In: 1769.214+/-1.472 χ^2/NDF : 0.0/0

1459.871+/-0.385 χ^2/NDF : 302590.6/16

1484.297+/-0.273 χ^2/NDF : 604380.0/36

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: 583.546 ± 943.233 χ^2/NDF : 0.0/0

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

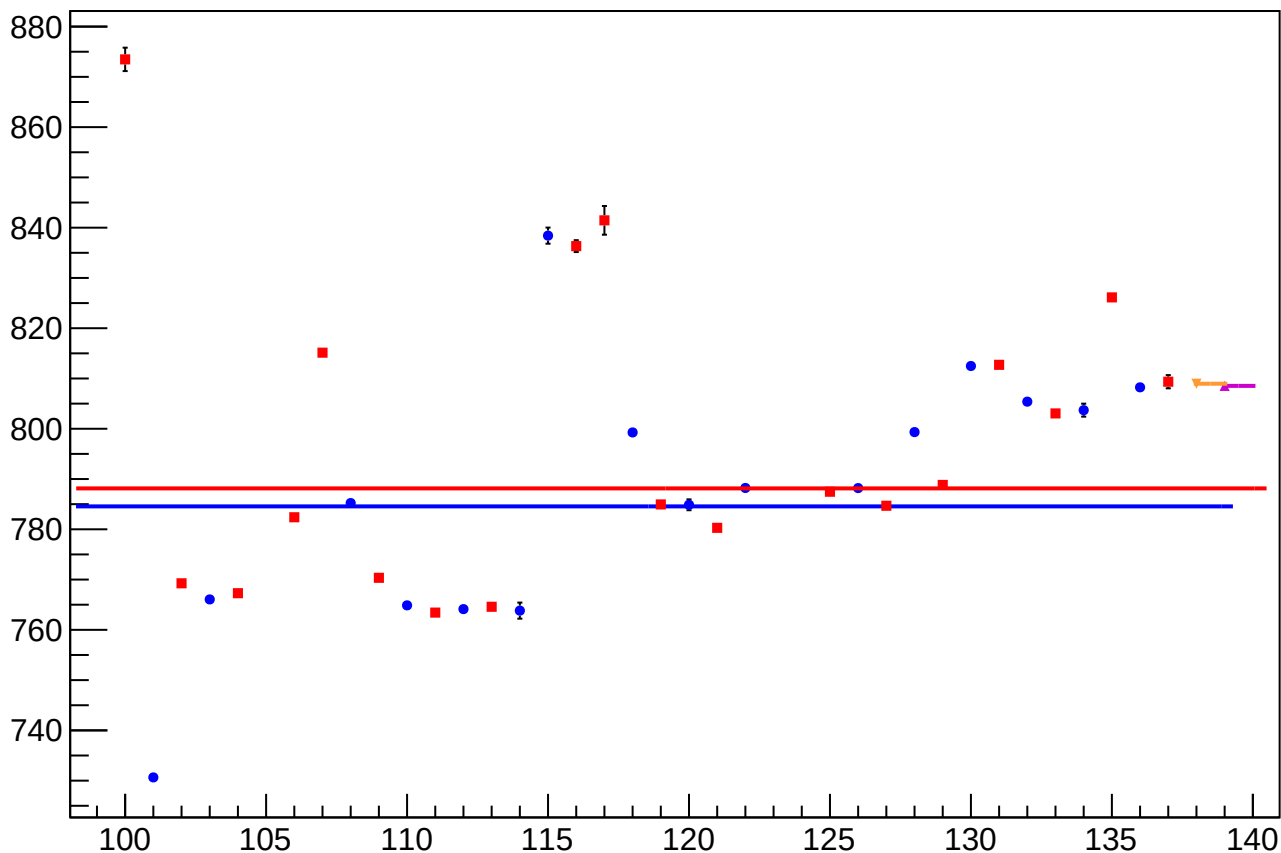
Left In: -747.504 ± 948.887 χ^2/NDF : 0.0/0

-392.416 ± 289.899 χ^2/NDF : 9.8/16

-216.699 ± 202.645 χ^2/NDF : 24.6/36

-48.797 ± 283.380 χ^2/NDF : 14.0/19

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 808.956+/-0.667 χ^2/NDF :0.0/0

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

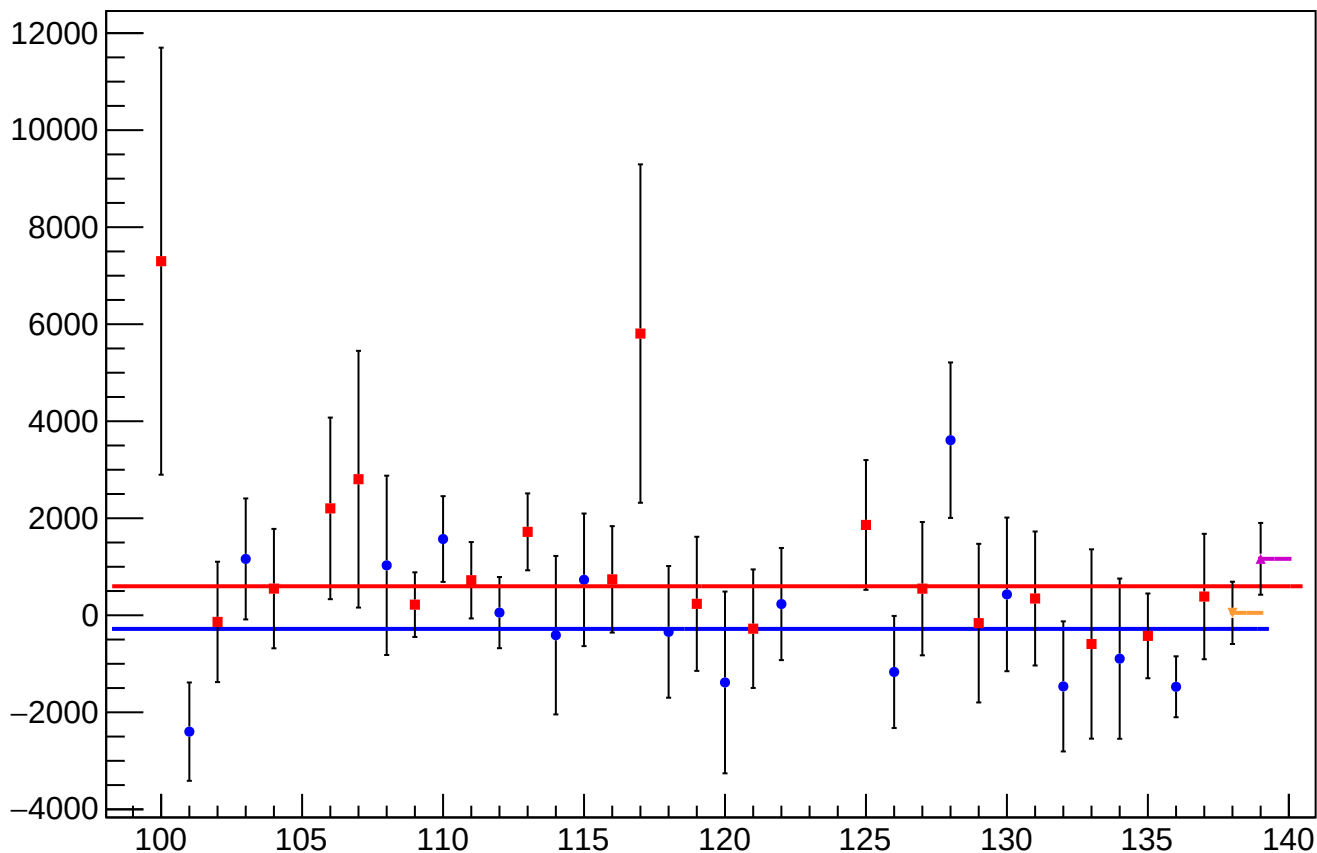
Left In: 808.528+/-0.671 χ^2 /NDF:0.0/0

786.863+/-0.205 χ^2/NDF : 14889.4/16

788.443+/-0.143 χ^2/NDF : 27106.8/36

789.953+/-0.200 χ^2/NDF : 12101.1/19

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 50.095+/-642.199 χ^2/NDF : 0.0/0

Right Out: 598.108+/-272.052 χ^2/NDF : 12.2/18

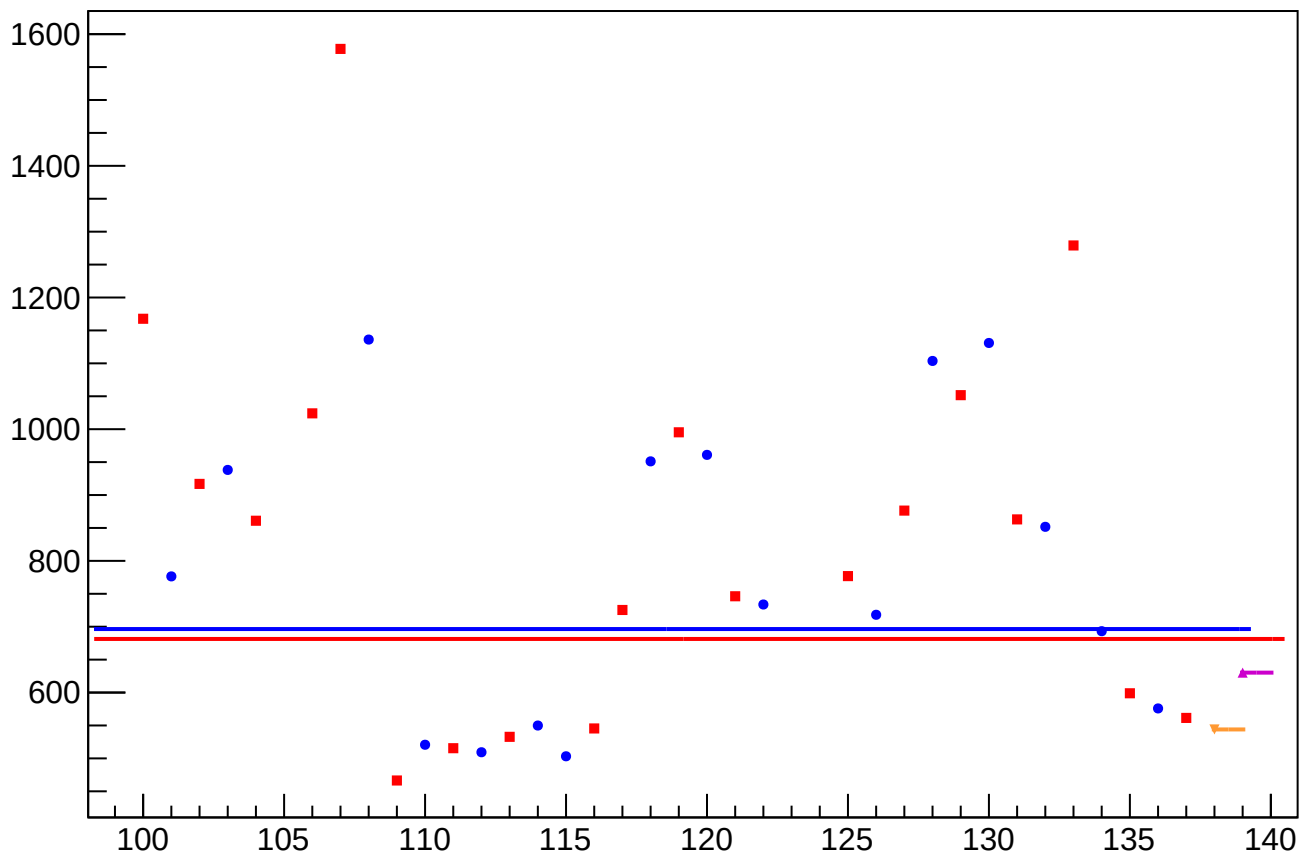
Left In: 1163.898+/-740.159 χ^2/NDF : 0.0/0

-227.010+/-258.587 χ^2/NDF : 23.4/16

224.842+/-181.693 χ^2/NDF : 42.1/36

665.449+/-255.349 χ^2/NDF : 12.7/19

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 543.964+/-0.454 χ^2/NDF : 0.0/0

Right Out: 681.396+/-0.192 χ^2/NDF : 1352876.1/18

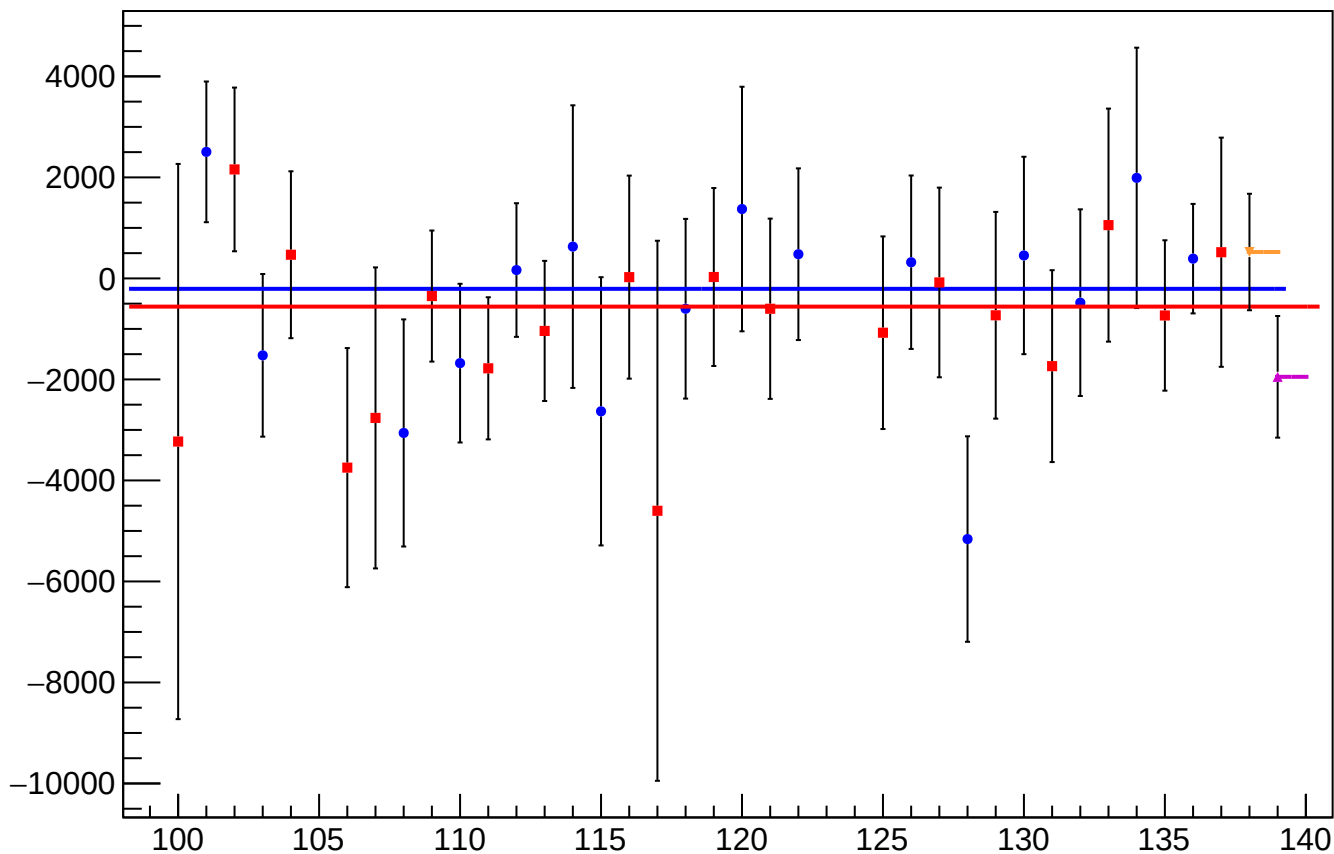
Left In: 630.248+/-0.523 χ^2/NDF : 0.0/0

671.737+/-0.183 χ^2/NDF : 1053981.2/16

673.545+/-0.128 χ^2/NDF : 2415464.6/36

675.308+/-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: 522.542 ± 1153.190 χ^2/NDF : 0.0/0

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

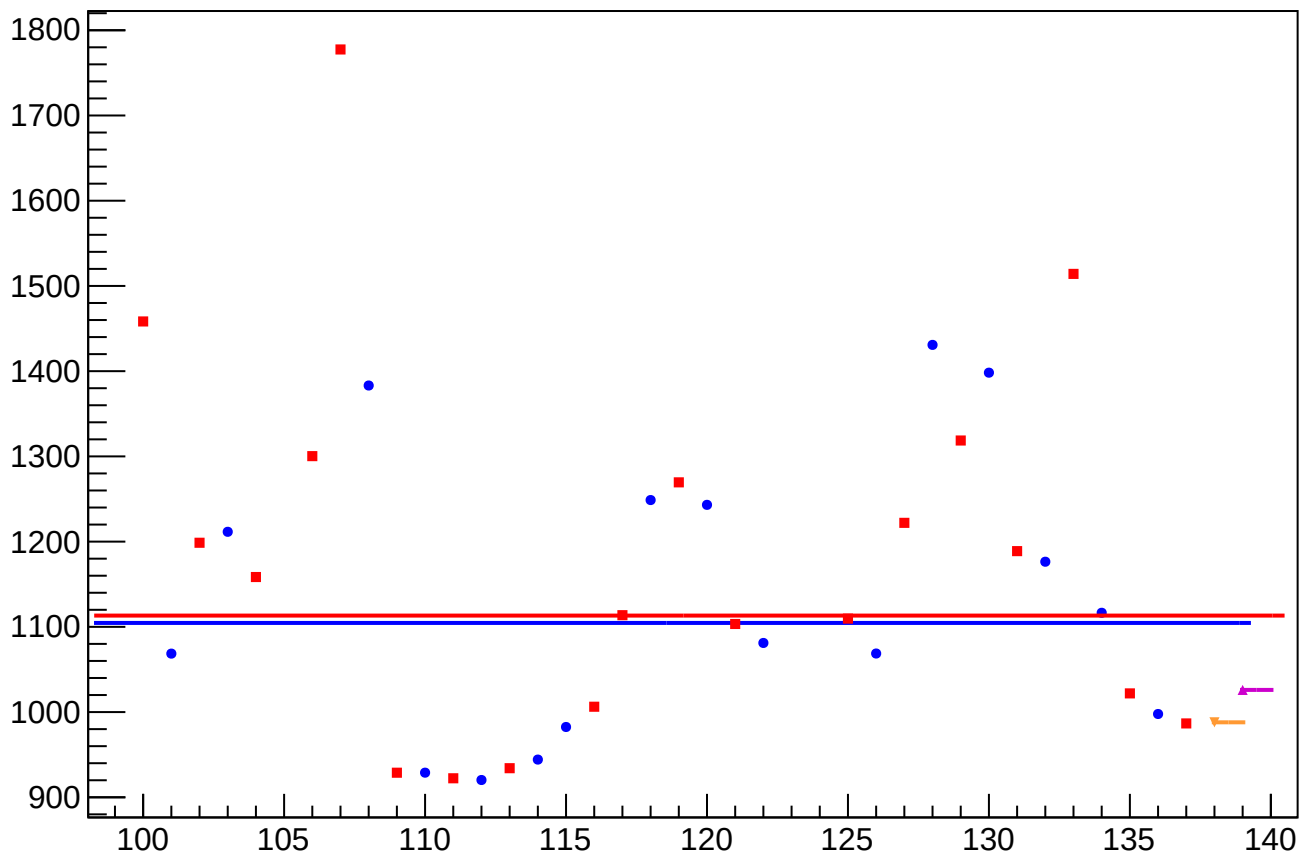
Left In: -1948.606 ± 1204.230 χ^2/NDF : 0.0/0

-116.033 ± 406.001 χ^2/NDF : 16.1/16

-417.947 ± 285.453 χ^2/NDF : 27.1/36

-713.086 ± 401.420 χ^2/NDF : 9.9/19

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1104.596 $\pm$ 0.307 χ^2 /NDF: 255488.3/15

Left Out: 987.980 $\pm$ 0.815 χ^2 /NDF: 0.0/0

Right Out: 1113.218 $\pm$ 0.301 χ^2 /NDF: 362982.2/18

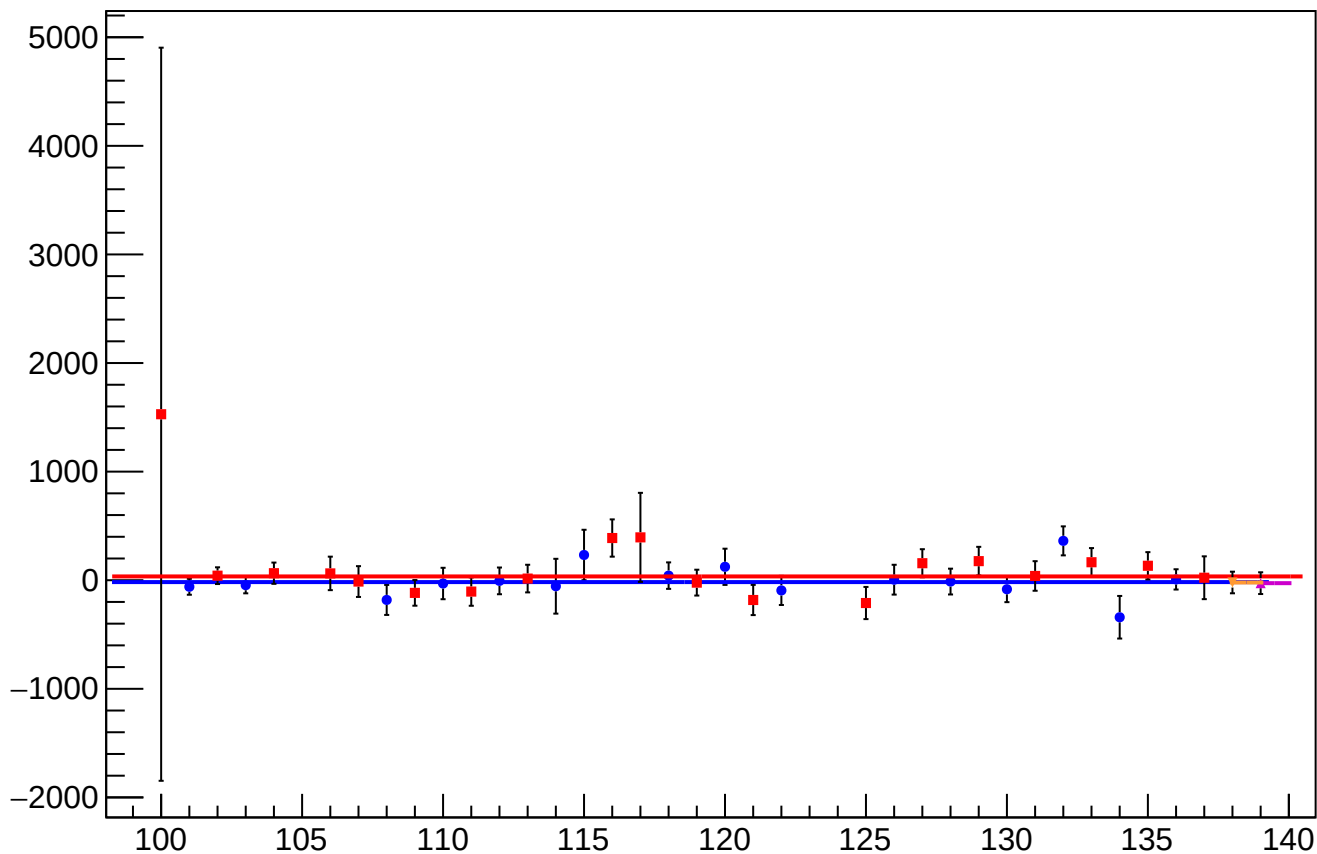
Left In: 1026.006 $\pm$ 0.852 χ^2 /NDF: 0.0/0

1090.141 $\pm$ 0.287 χ^2 /NDF: 273405.8/16

1096.910 $\pm$ 0.202 χ^2 /NDF: 646811.5/36

1103.528 $\pm$ 0.284 χ^2 /NDF: 372306.3/19

reg_asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -17.236 $\pm$ 29.988 χ^2/NDF : 15.6/15

Left Out: -20.871 $\pm$ 99.521 χ^2/NDF : 0.0/0

Right Out: 34.875 $\pm$ 30.363 χ^2/NDF : 17.3/18

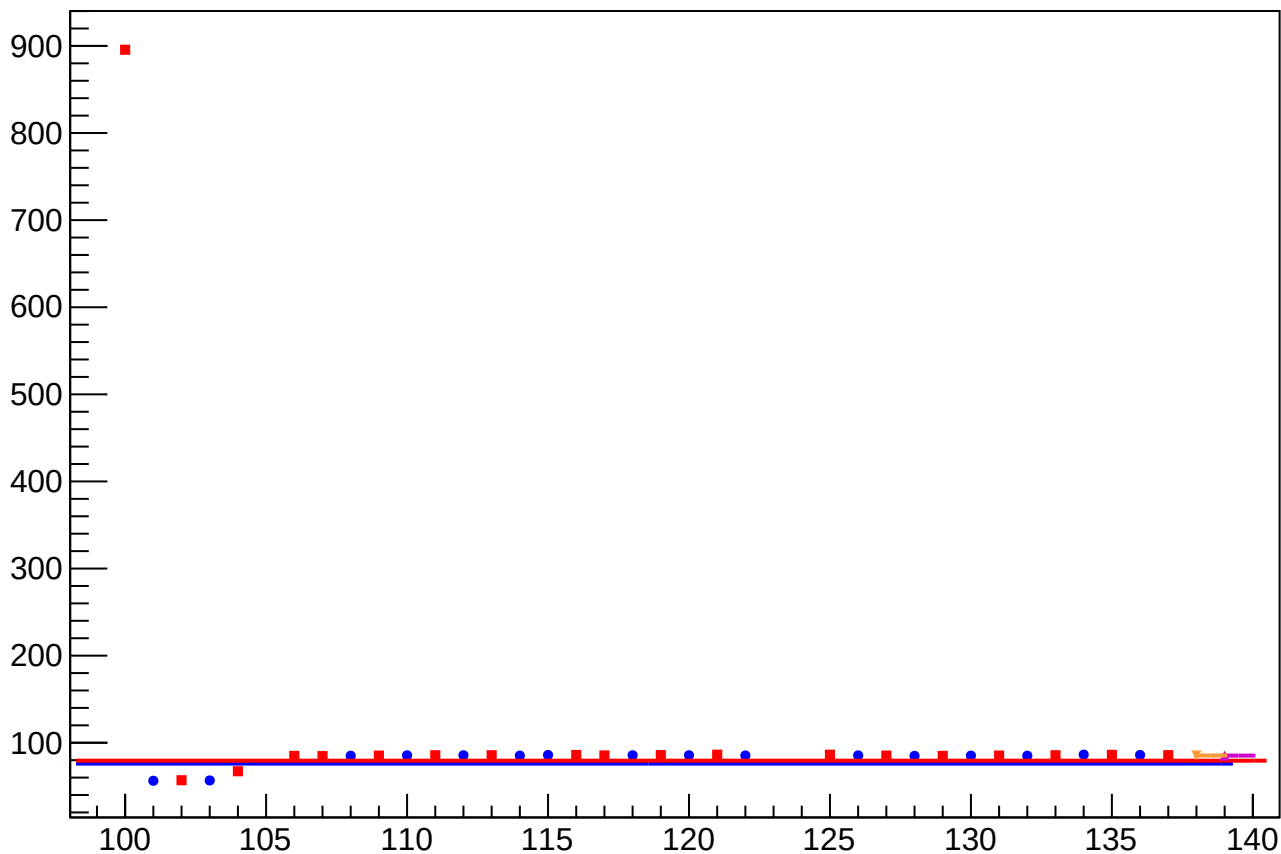
Left In: -27.102 $\pm$ 100.077 χ^2/NDF : 0.0/0

-17.539 $\pm$ 28.713 χ^2/NDF : 15.6/16

5.777 $\pm$ 20.423 χ^2/NDF : 34.6/36

29.651 $\pm$ 29.055 χ^2/NDF : 17.7/19

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.351 $\pm$ 0.070 χ^2 /NDF: 0.0/0

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

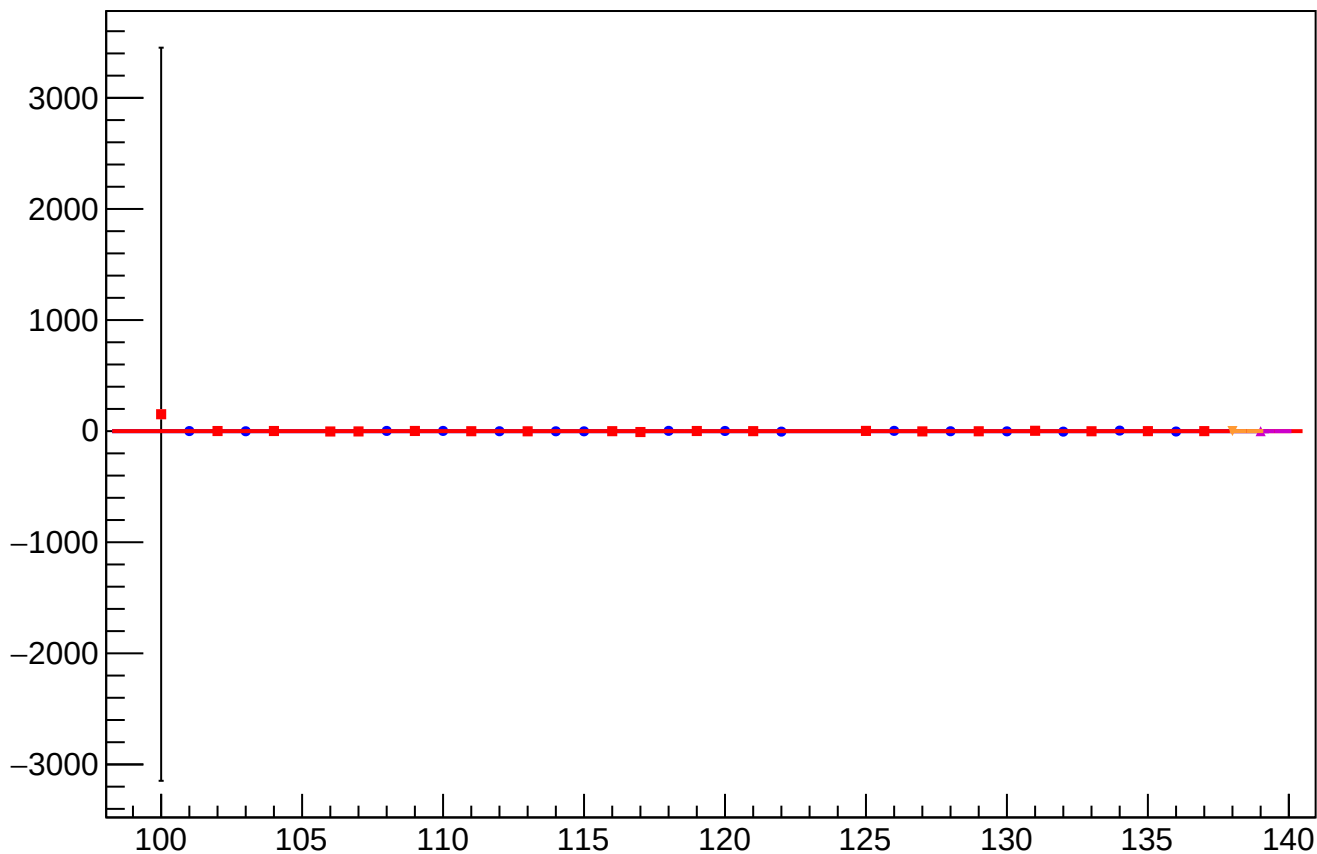
Left In: 85.272 $\pm$ 0.071 χ^2 /NDF: 0.0/0

76.851 $\pm$ 0.020 χ^2 /NDF: 425085.0/16

78.365 $\pm$ 0.014 χ^2 /NDF: 821561.5/36

79.916 $\pm$ 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: 0.799 ± 1.855 χ^2/NDF : 0.0/0

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

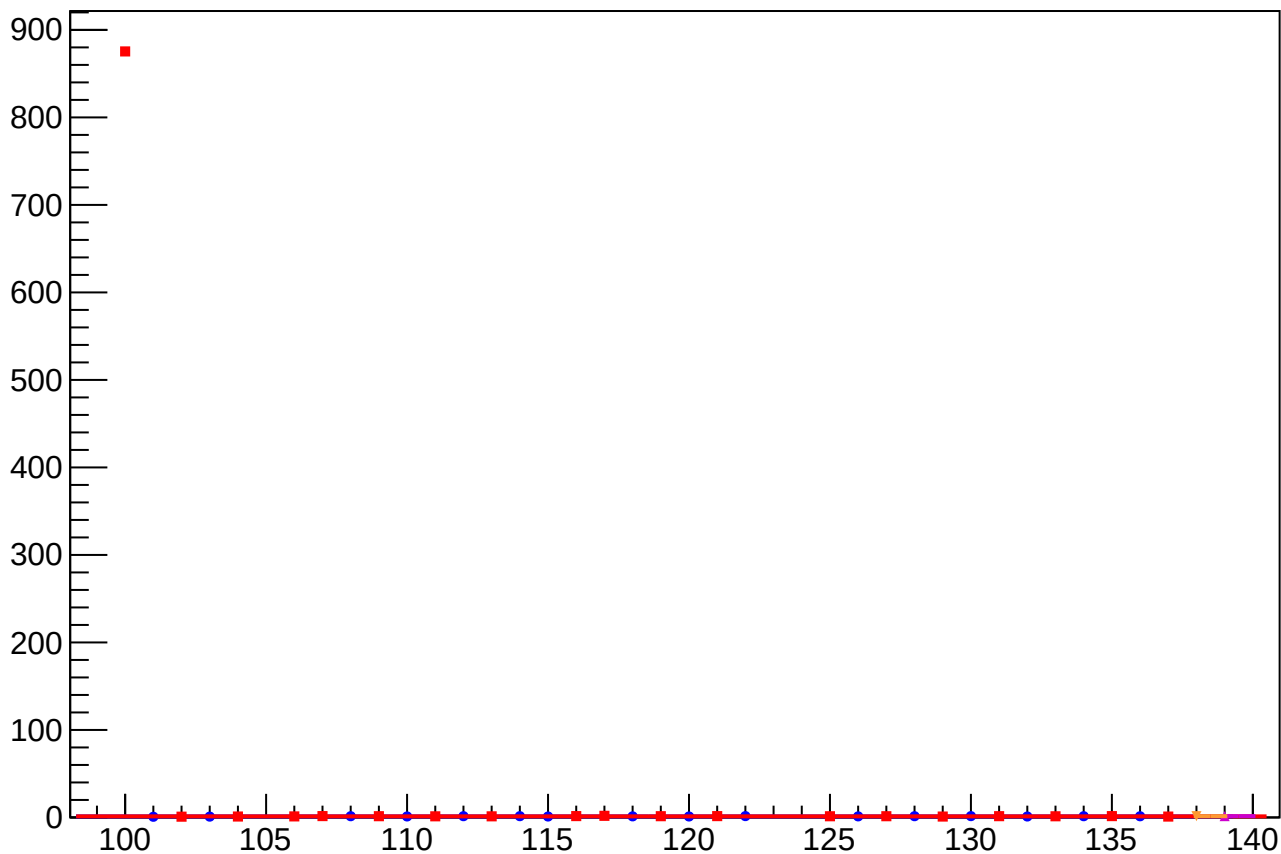
Left In: -0.184 ± 1.869 χ^2/NDF : 0.0/0

-0.207 ± 0.484 χ^2/NDF : 21.5/16

-0.091 ± 0.348 χ^2/NDF : 31.4/36

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: 1.465 $\pm$ 0.001 χ^2 /NDF: 0.0/0

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

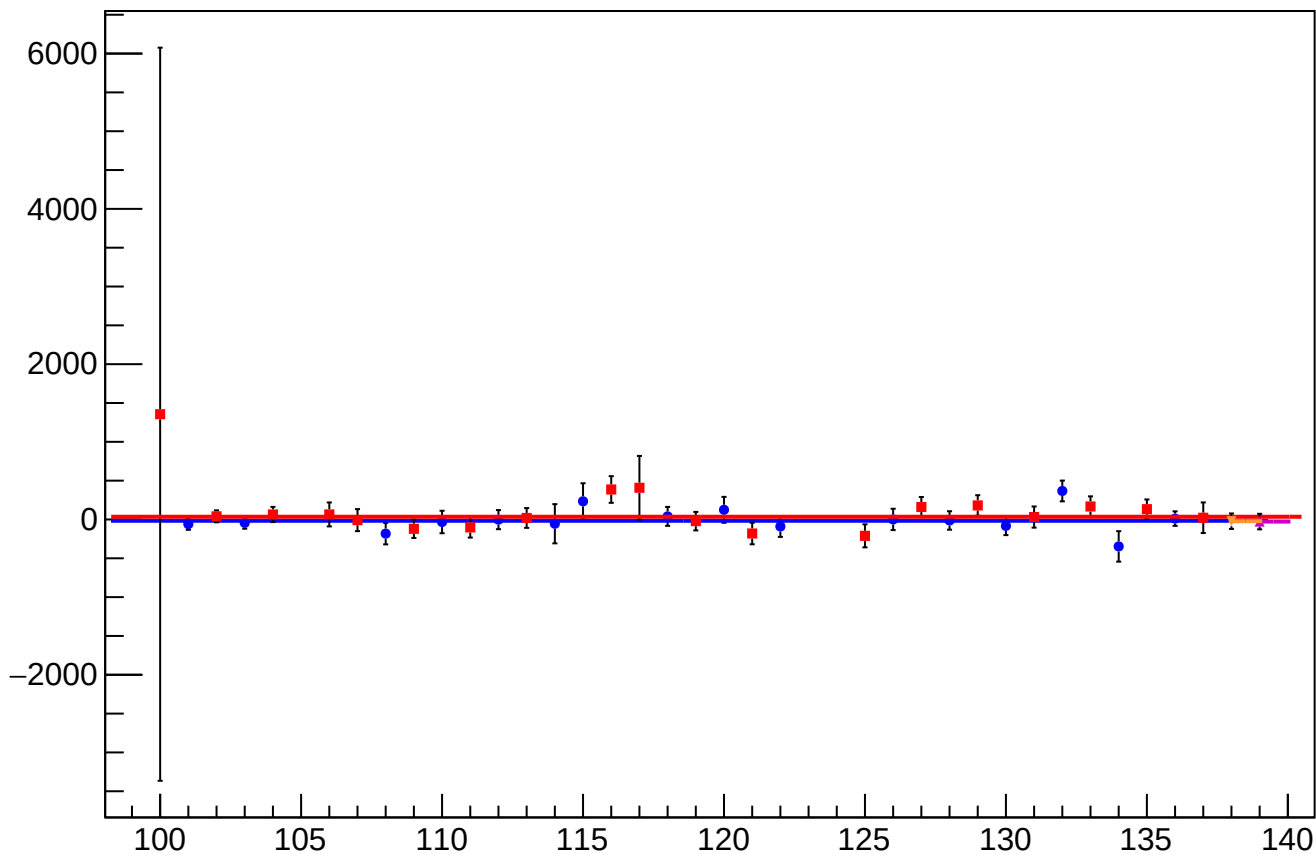
Left In: 1.517 $\pm$ 0.001 χ^2 /NDF: 0.0/0

1.174 $\pm$ 0.000 χ^2 /NDF: 567131.8/16

1.219 $\pm$ 0.000 χ^2 /NDF: 1168272.7/36

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: -22.211+/-99.549 χ^2/NDF : 0.0/0

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

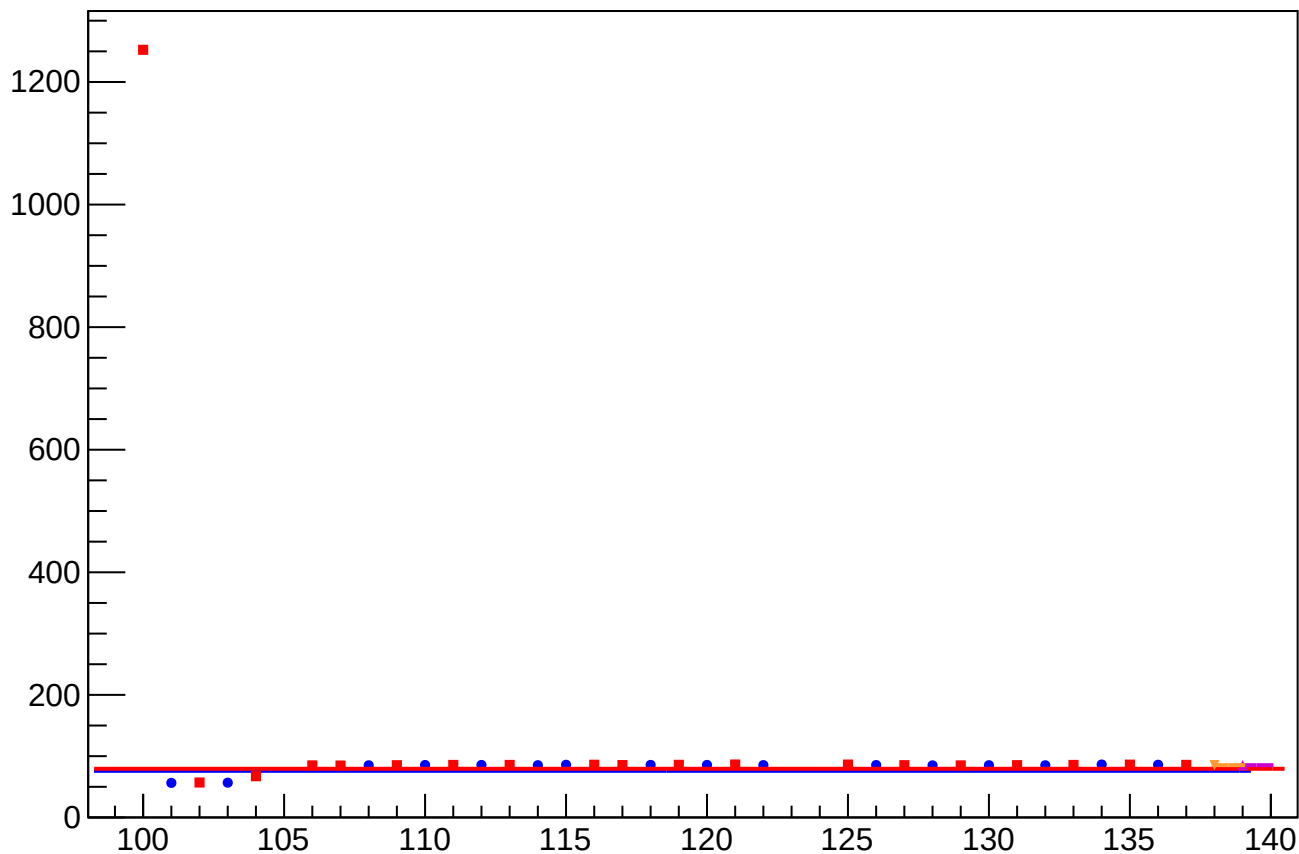
Left In: -27.199+/-100.103 χ^2/NDF : 0.0/0

-16.802+/-28.720 χ^2/NDF : 15.9/16

6.279+/-20.428 χ^2/NDF : 34.9/36

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: 85.375 $\pm$ 0.070 χ^2 /NDF: 0.0/0

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

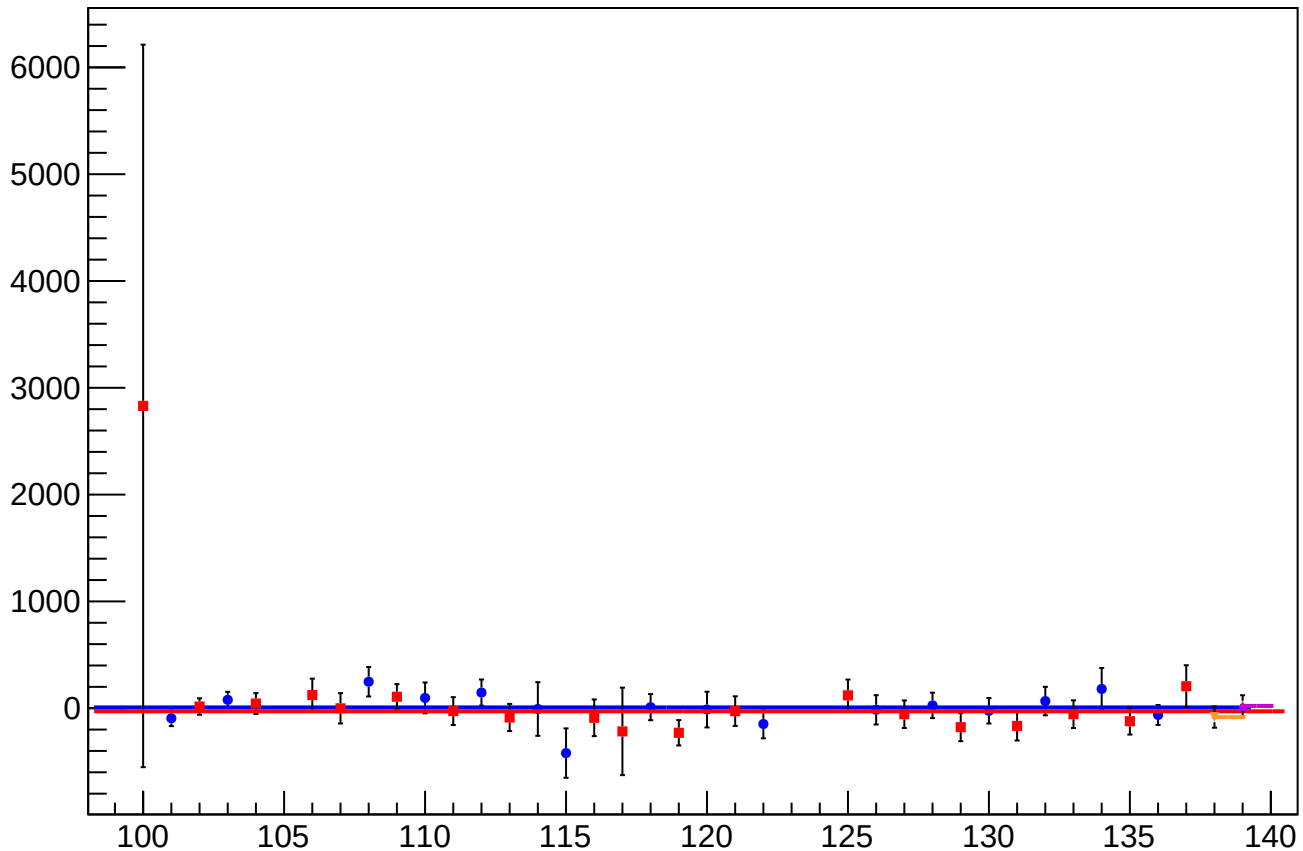
Left In: 85.294 $\pm$ 0.071 χ^2 /NDF: 0.0/0

76.871 $\pm$ 0.020 χ^2 /NDF: 425122.3/16

78.378 $\pm$ 0.014 χ^2 /NDF: 828043.4/36

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: -83.216 ± 99.655 χ^2/NDF : 0.0/0

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

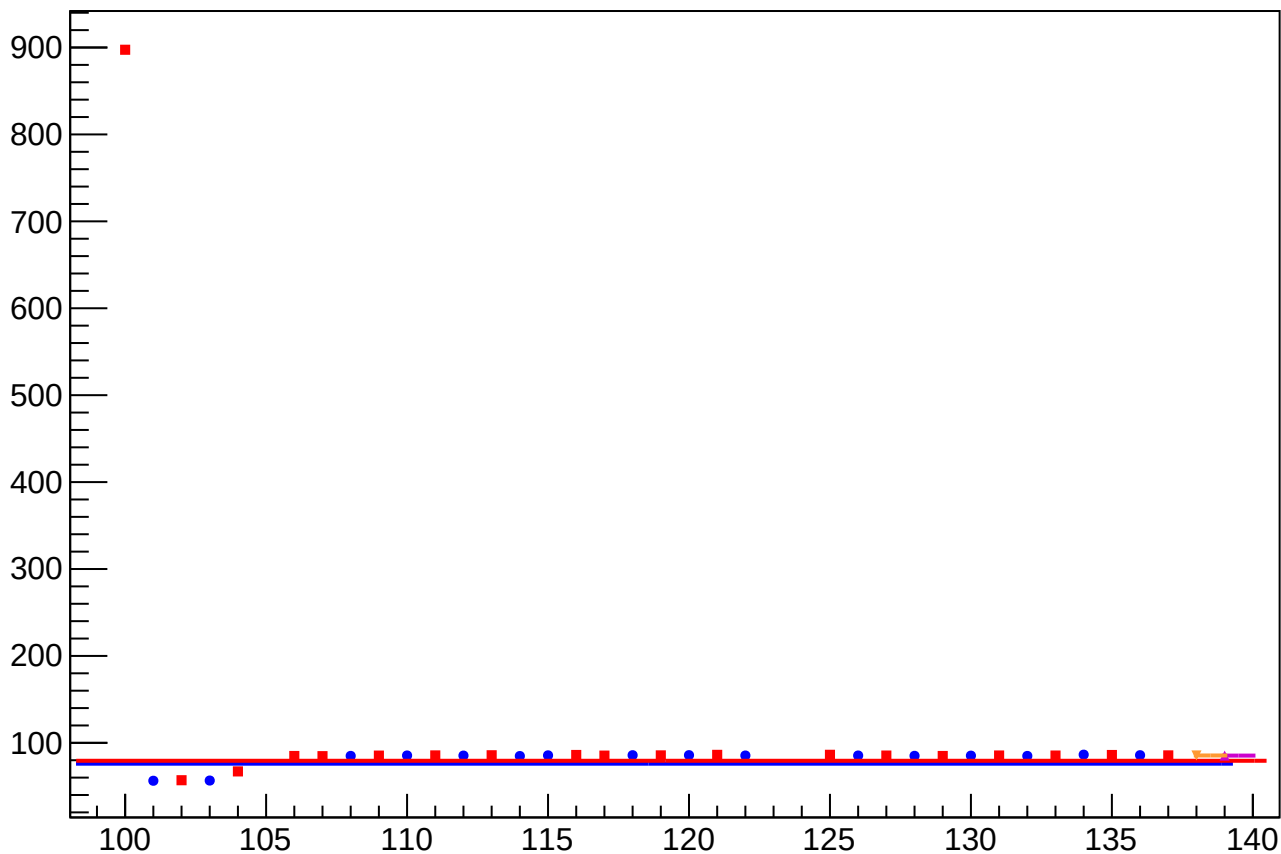
Left In: 21.266 ± 100.146 χ^2/NDF : 0.0/0

-0.060 ± 28.699 χ^2/NDF : 14.7/16

-12.252 ± 20.413 χ^2/NDF : 28.0/36

-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: 85.467 $\pm$ 0.070 χ^2 /NDF: 0.0/0

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

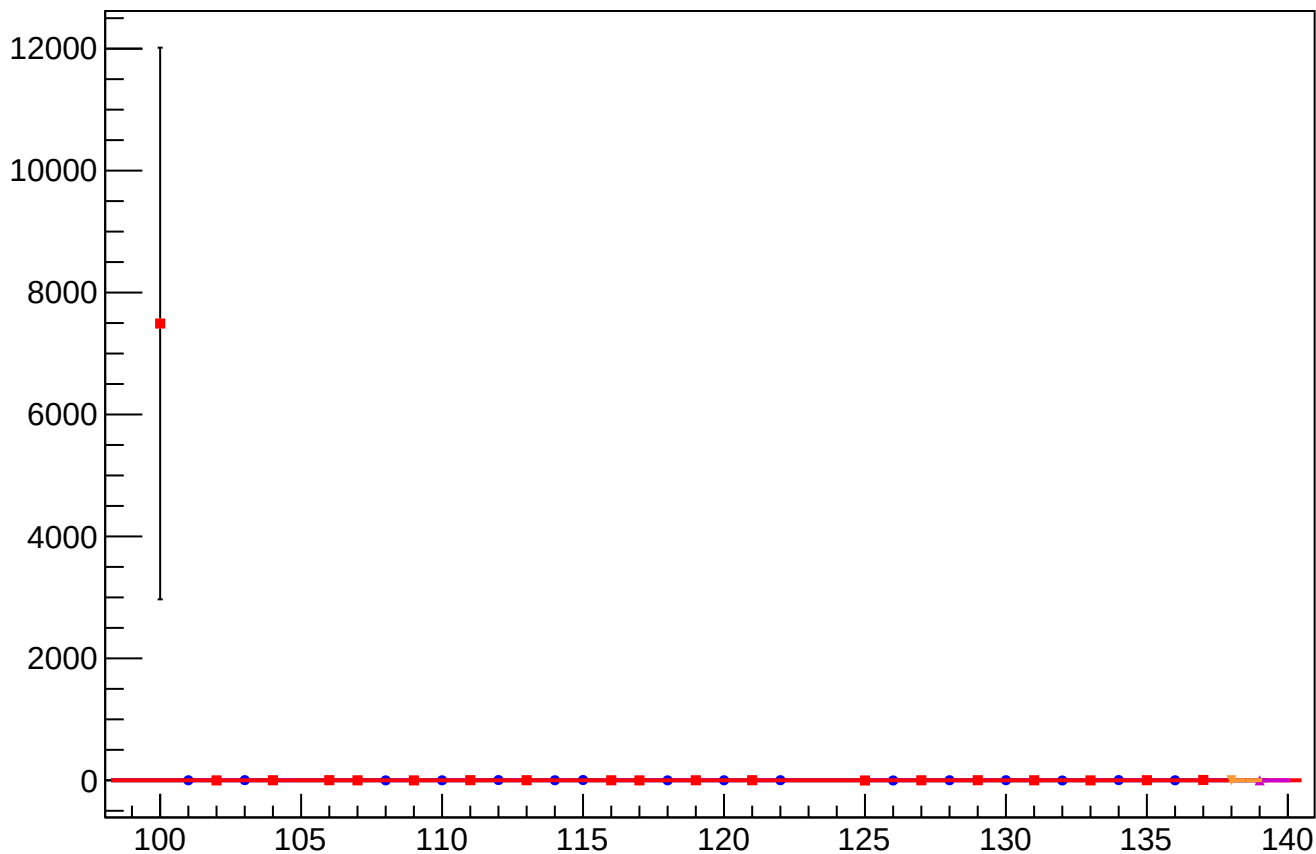
Left In: 85.331 $\pm$ 0.071 χ^2 /NDF: 0.0/0

76.814 $\pm$ 0.020 χ^2 /NDF: 425360.6/16

78.327 $\pm$ 0.014 χ^2 /NDF: 821877.7/36

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

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 1.290 $\pm$ 1.618 χ^2 /NDF: 0.0/0

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

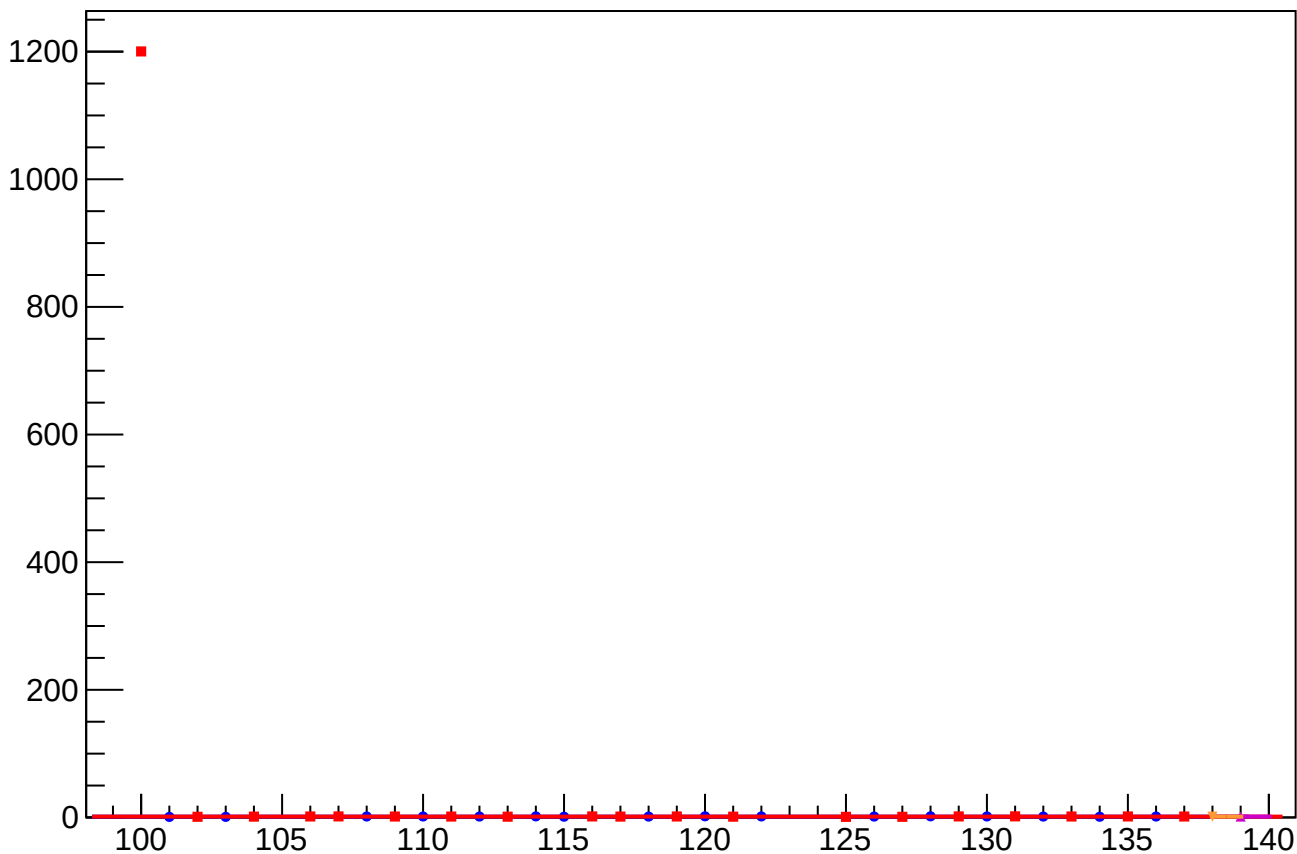
Left In: -0.085 $\pm$ 1.777 χ^2 /NDF: 0.0/0

0.948 $\pm$ 0.505 χ^2 /NDF: 12.0/16

0.620 $\pm$ 0.363 χ^2 /NDF: 25.6/36

0.270 $\pm$ 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: 1.260 $\pm$ 0.001 χ^2 /NDF: 0.0/0

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

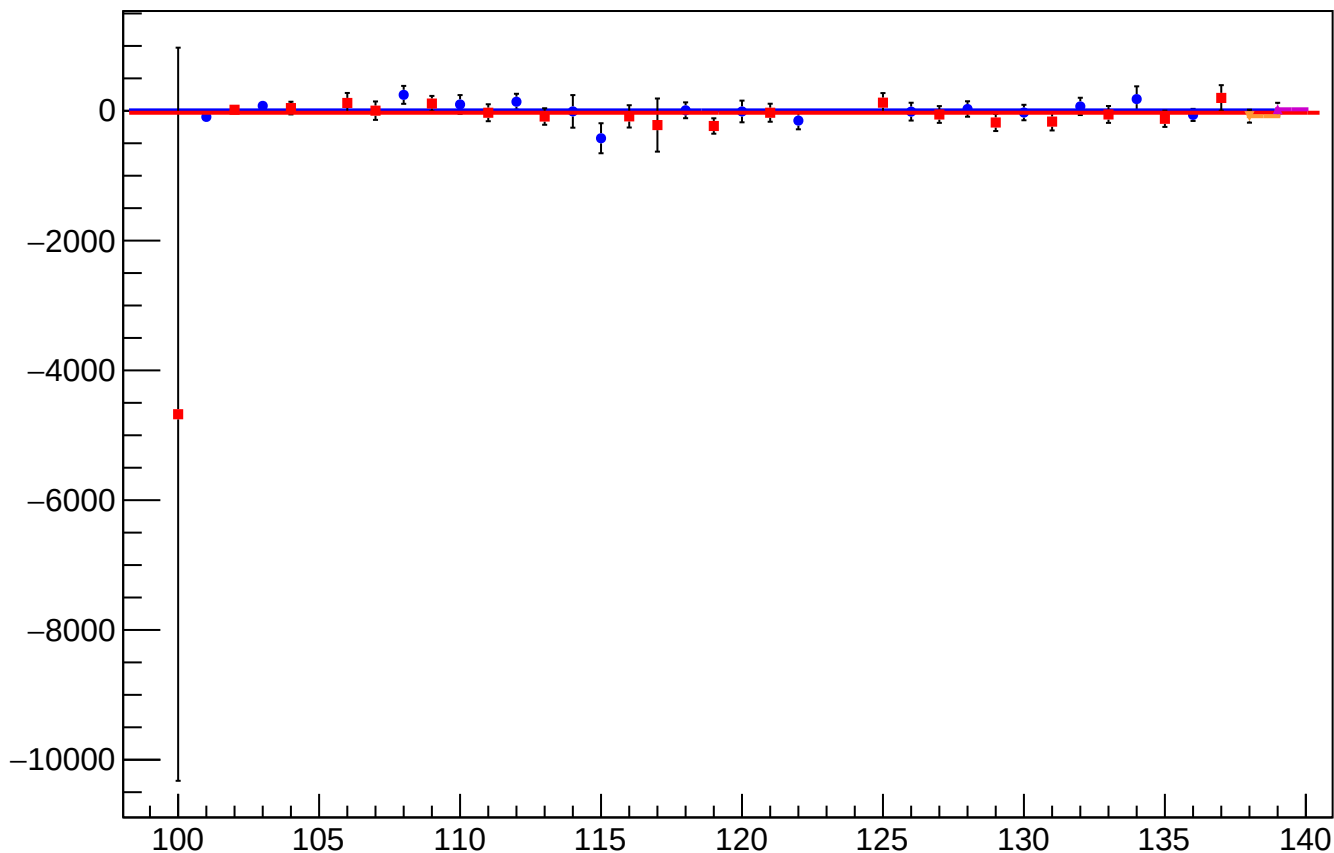
Left In: 1.407 $\pm$ 0.001 χ^2 /NDF: 0.0/0

1.240 $\pm$ 0.000 χ^2 /NDF: 658176.6/16

1.281 $\pm$ 0.000 χ^2 /NDF: 1212062.5/36

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: -83.013 ± 99.680 χ^2/NDF : 0.0/0

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

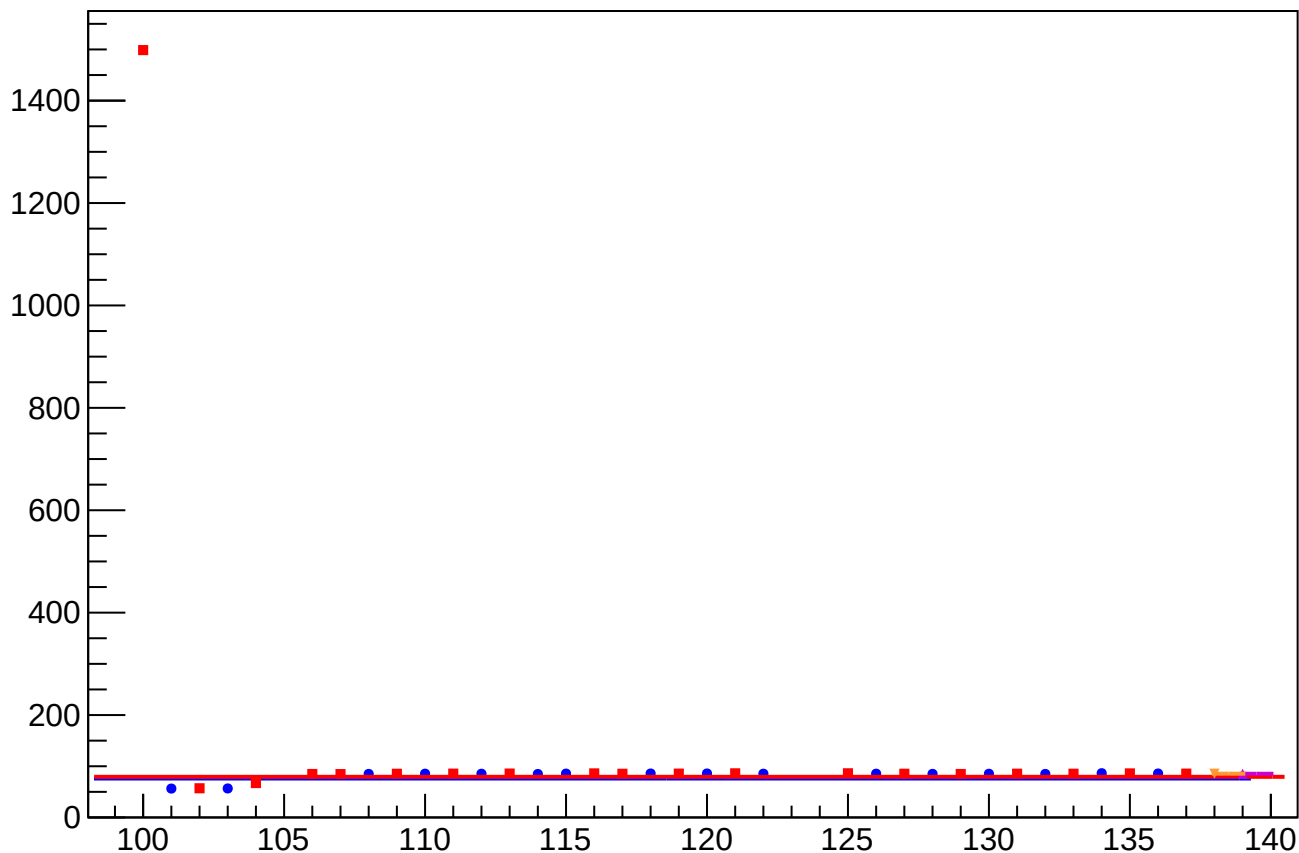
Left In: 23.443 ± 100.174 χ^2/NDF : 0.0/0

-0.666 ± 28.707 χ^2/NDF : 14.6/16

-12.758 ± 20.419 χ^2/NDF : 28.1/36

-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: 85.489 $\pm$ 0.070 χ^2 /NDF: 0.0/0

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

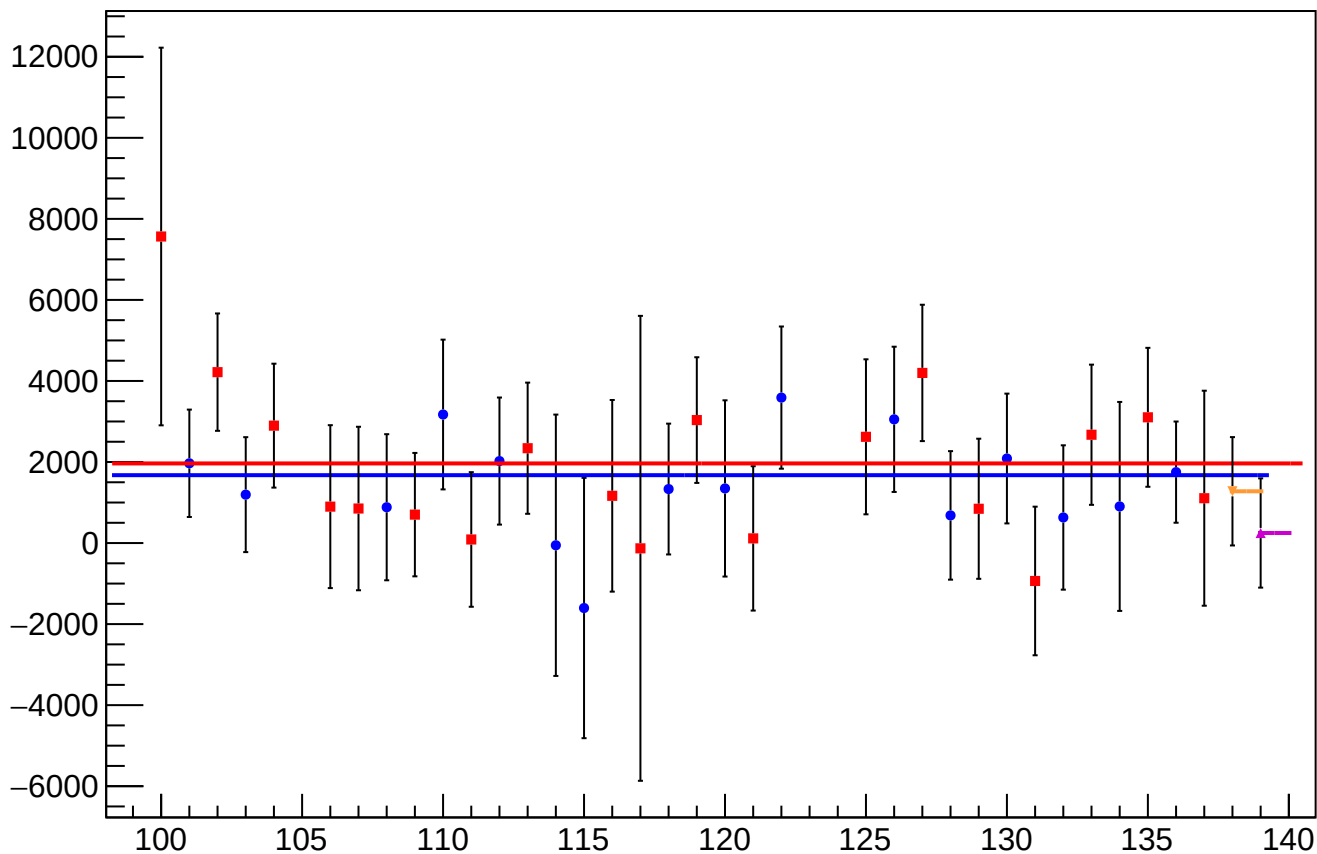
Left In: 85.355 $\pm$ 0.071 χ^2 /NDF: 0.0/0

76.835 $\pm$ 0.020 χ^2 /NDF: 425399.3/16

78.337 $\pm$ 0.014 χ^2 /NDF: 831069.7/36

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: 1277.406 $\pm$ 1336.895 χ^2 /NDF: 0.0/0

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

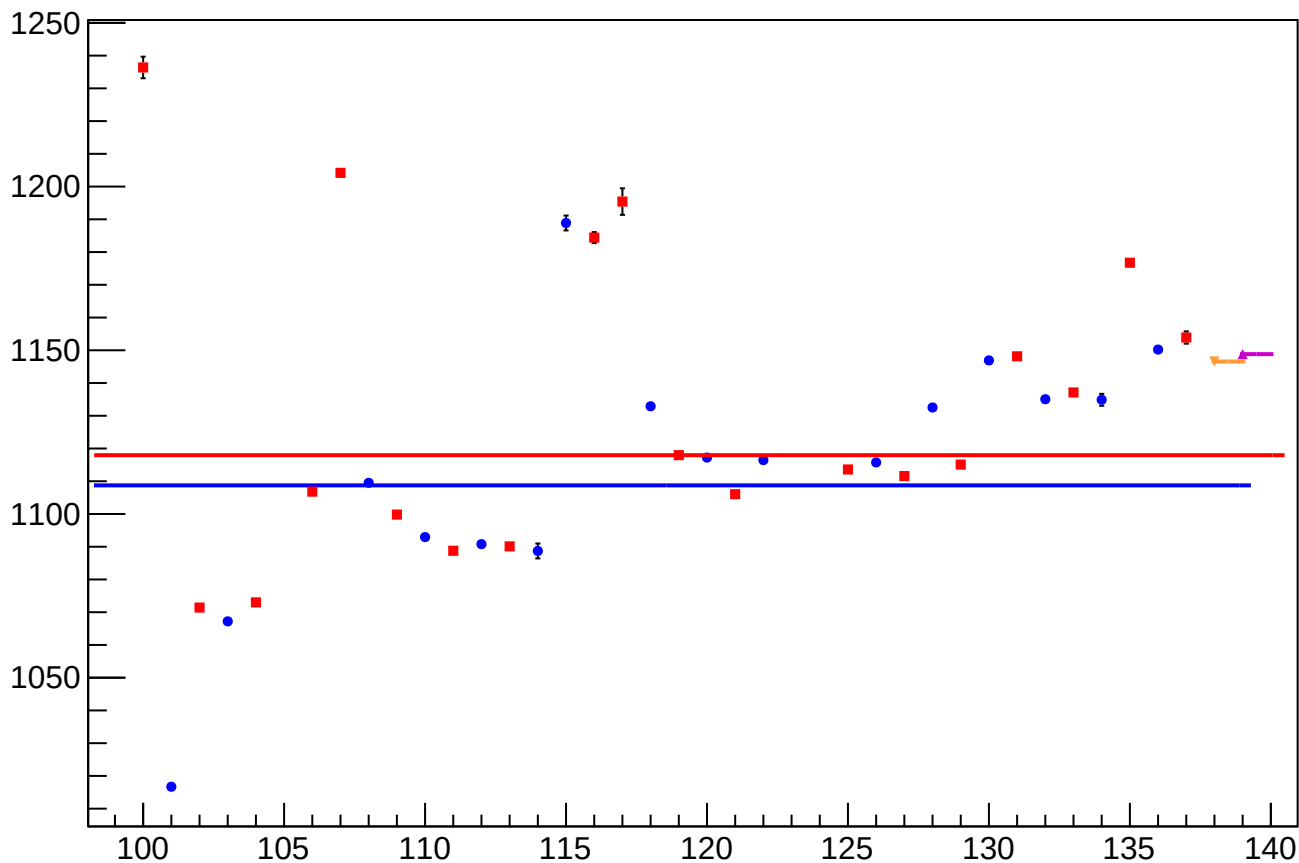
Left In: 248.256 $\pm$ 1348.288 χ^2 /NDF: 0.0/0

1637.624 $\pm$ 409.862 χ^2 /NDF: 5.2/16

1726.611 $\pm$ 287.031 χ^2 /NDF: 20.9/36

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: 1146.568 $\pm$ 0.945 χ^2 /NDF: 0.0/0

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

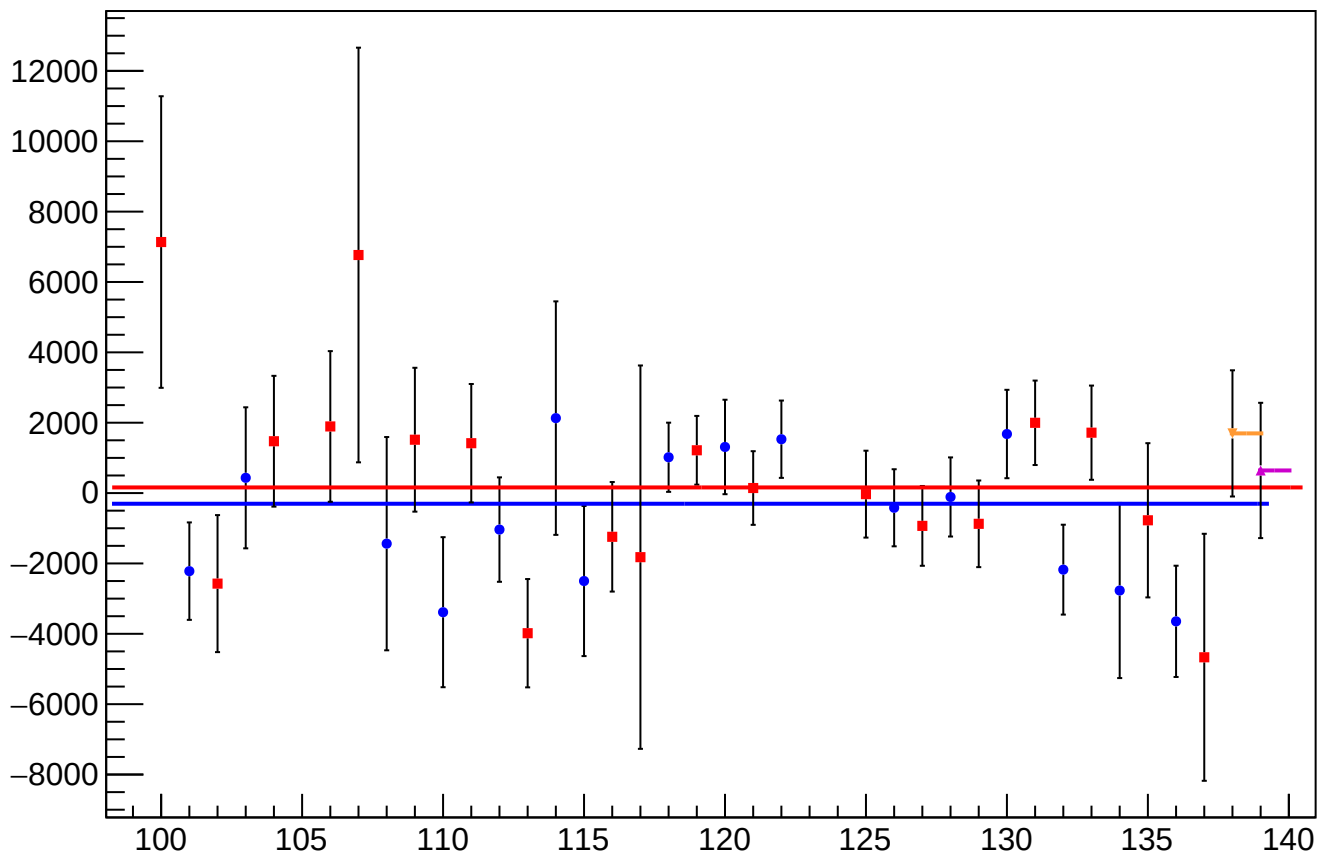
Left In: 1148.824 $\pm$ 0.953 χ^2 /NDF: 0.0/0

1112.295 $\pm$ 0.290 χ^2 /NDF: 19531.5/16

1116.580 $\pm$ 0.203 χ^2 /NDF: 36797.2/36

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: 1696.324+/-1793.441 χ^2/NDF : 0.0/0

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

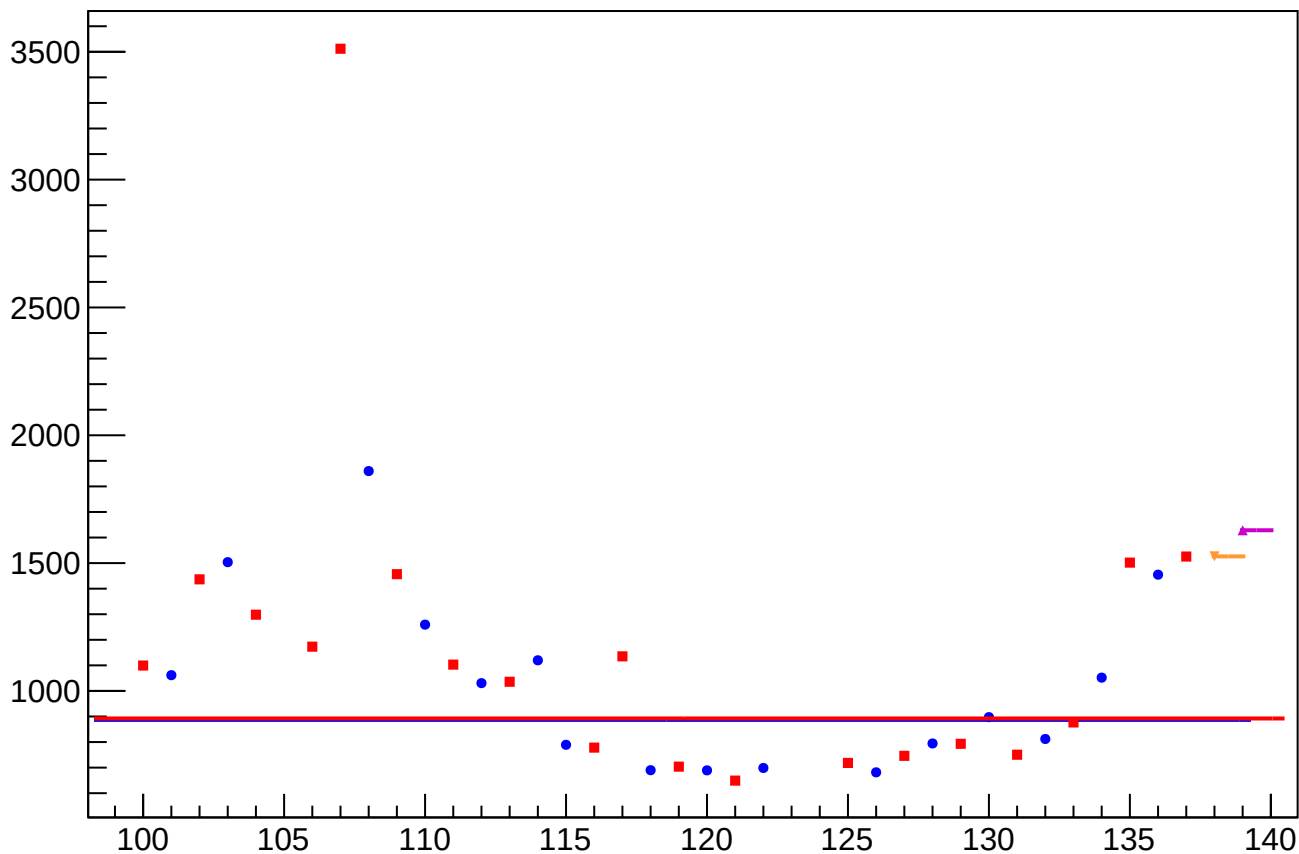
Left In: 643.020+/-1922.846 χ^2/NDF : 0.0/0

-225.855+/-353.024 χ^2/NDF : 23.5/16

-22.779+/-248.390 χ^2/NDF : 49.2/36

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: 1526.320+/-1.268 χ^2/NDF : 0.0/0

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

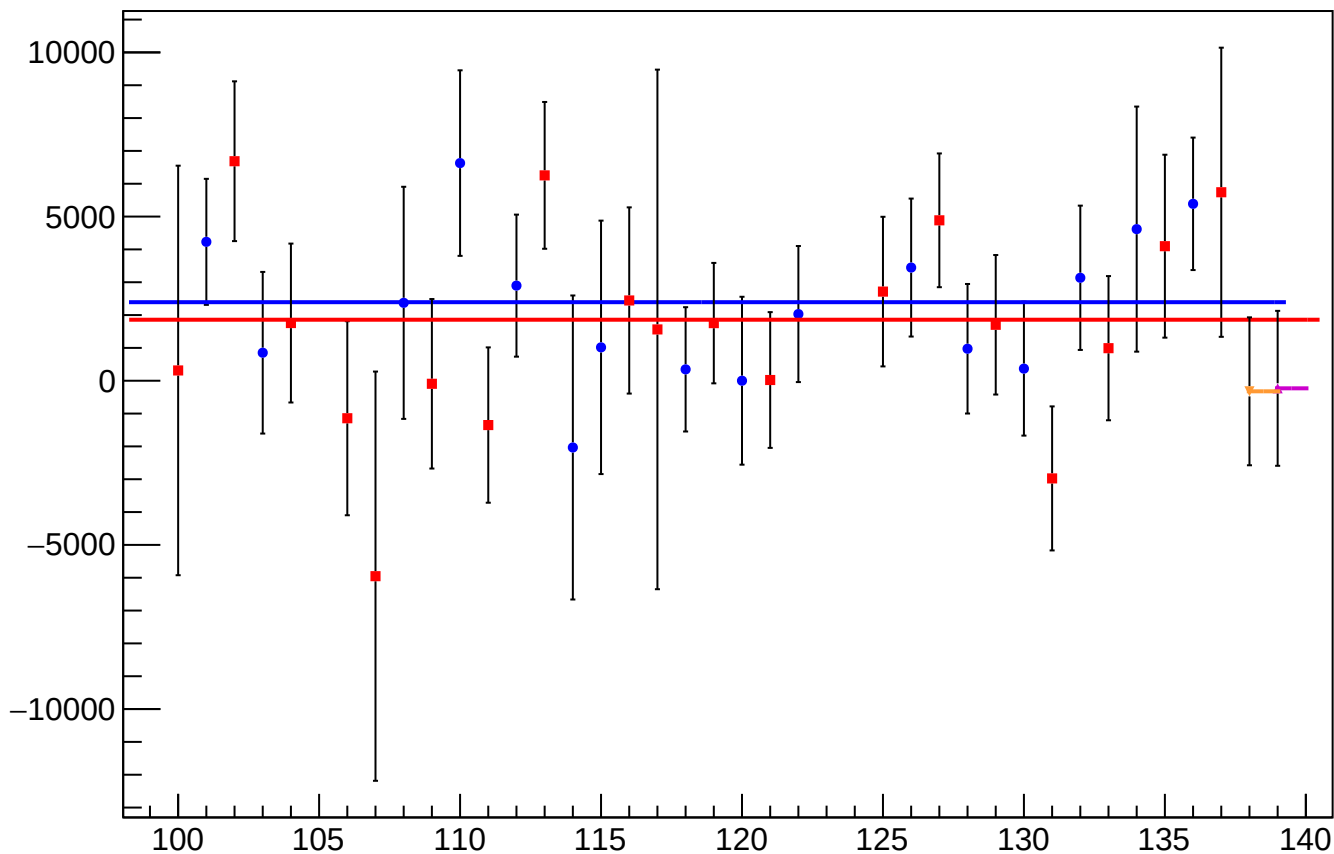
Left In: 1628.489+/-1.360 χ^2/NDF : 0.0/0

911.474+/-0.250 χ^2/NDF : 1305404.3/16

914.046+/-0.176 χ^2/NDF : 3007331.2/36

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: -322.274 $\pm$ 2252.714 χ^2 /NDF:0.0/0

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

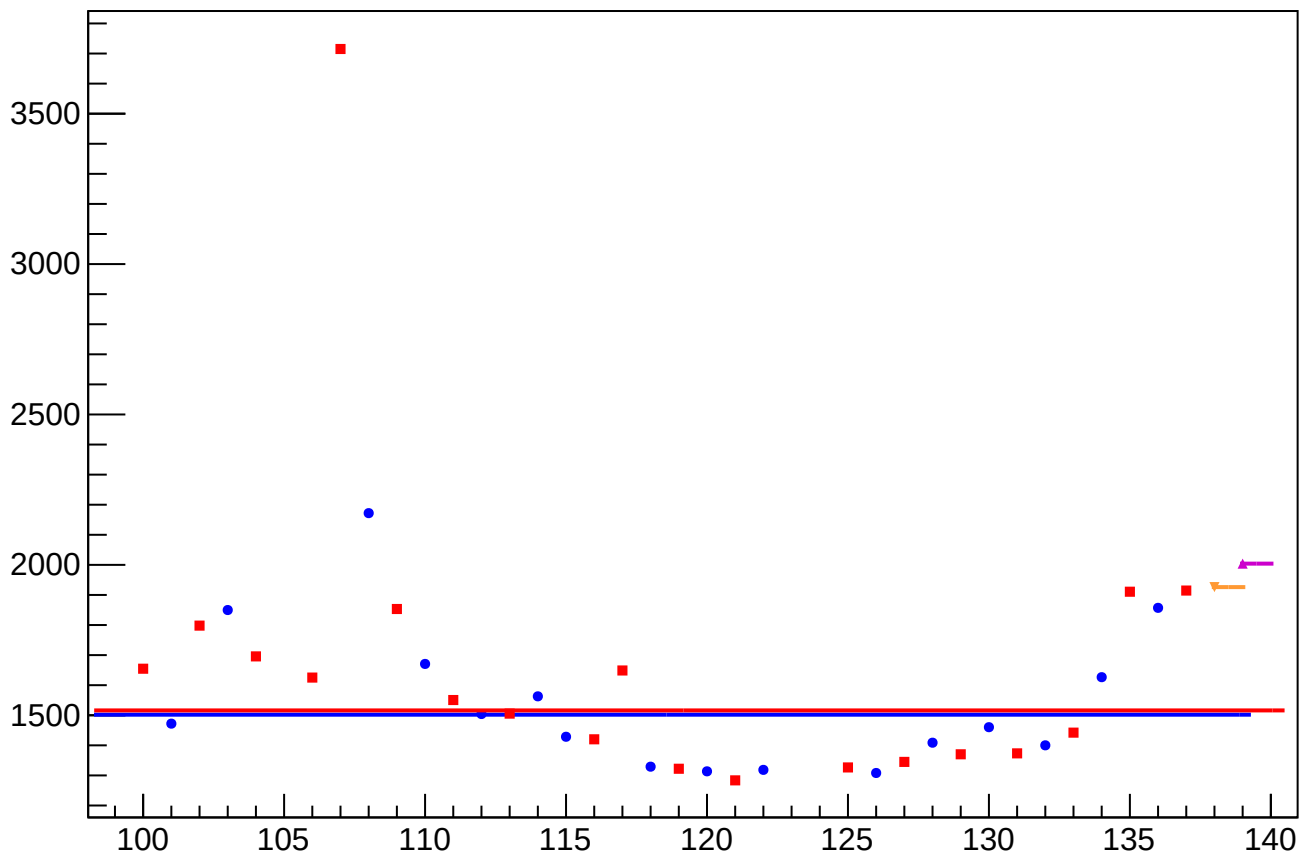
Left In: -231.200 $\pm$ 2359.596 χ^2 /NDF:0.0/0

2218.684 $\pm$ 569.836 χ^2 /NDF: 12.5/16

1976.452 $\pm$ 401.087 χ^2 /NDF: 36.1/36

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: 1926.067 $\pm$ 1.593 χ^2 /NDF: 0.0/0

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

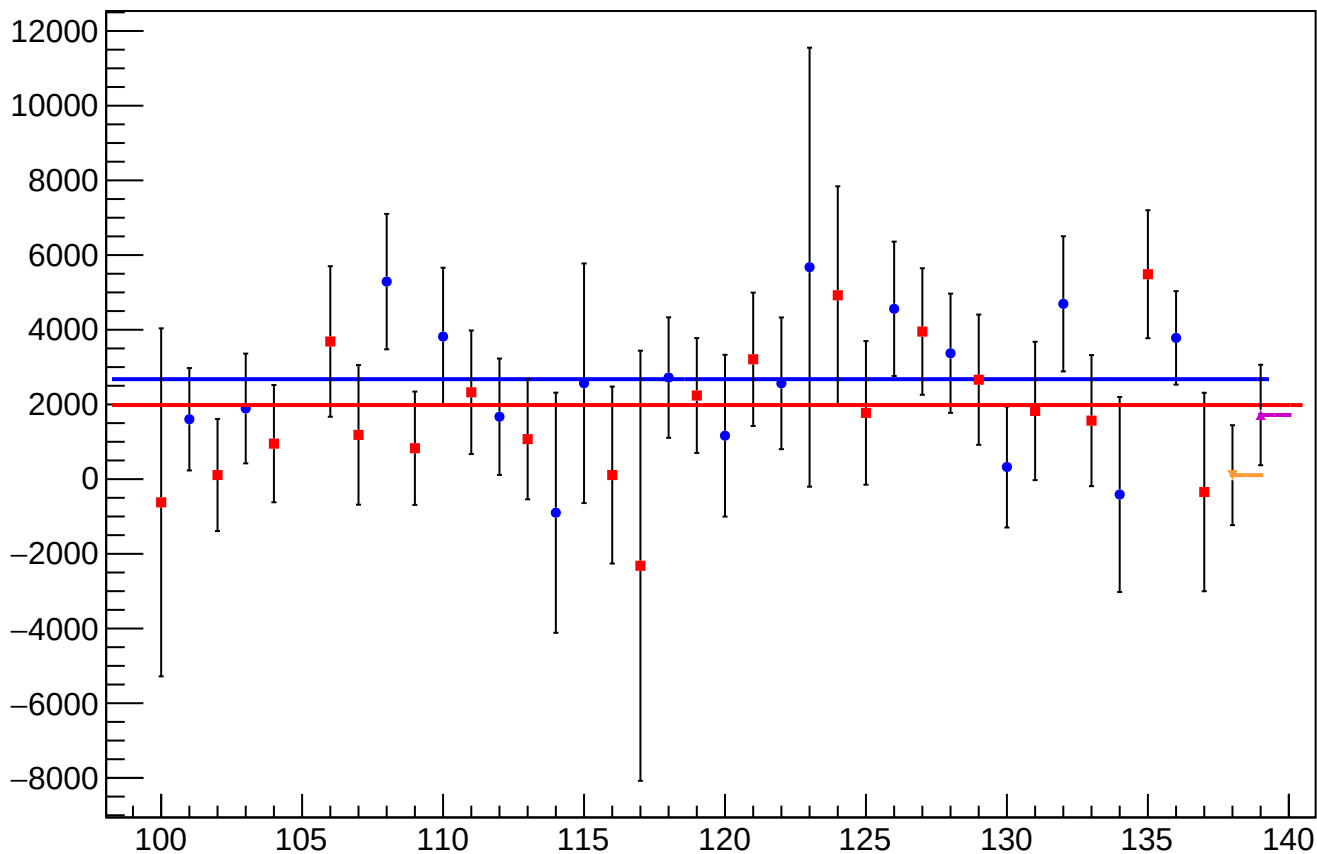
Left In: 2004.094 $\pm$ 1.668 χ^2 /NDF: 0.0/0

1529.075 $\pm$ 0.403 χ^2 /NDF: 320908.5/16

1536.641 $\pm$ 0.284 χ^2 /NDF: 882568.7/36

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: 105.979 $\pm$ 1337.762 χ^2 /NDF: 0.0/0

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

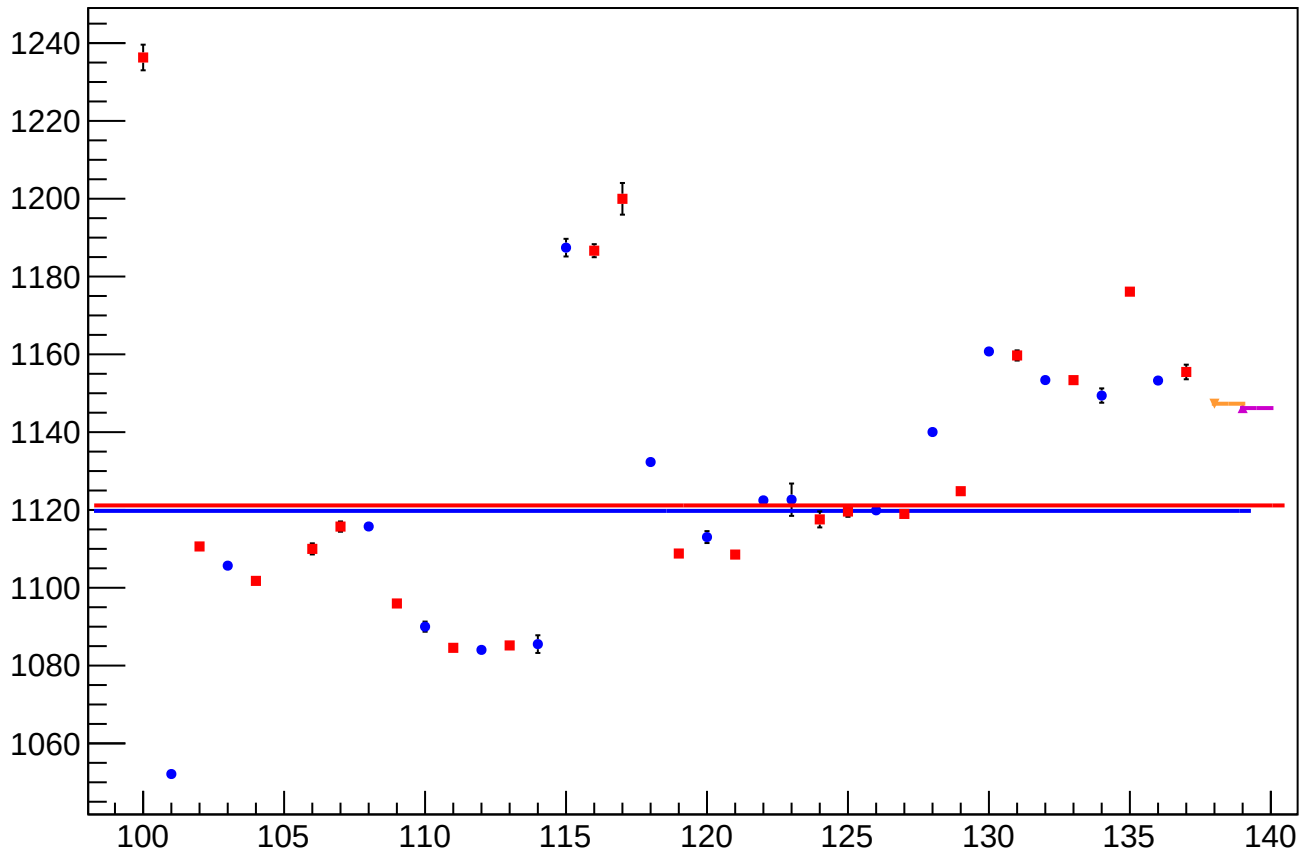
Left In: 1717.821 $\pm$ 1345.190 χ^2 /NDF: 0.0/0

2432.309 $\pm$ 412.459 χ^2 /NDF: 15.9/17

2188.638 $\pm$ 286.859 χ^2 /NDF: 30.0/38

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

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1119.762+/-0.307 χ^2/NDF : 11876.8/16

Left Out: 1147.309+/-0.946 χ^2/NDF : 0.0/0

Right Out: 1121.164+/-0.296 χ^2/NDF : 10310.8/19

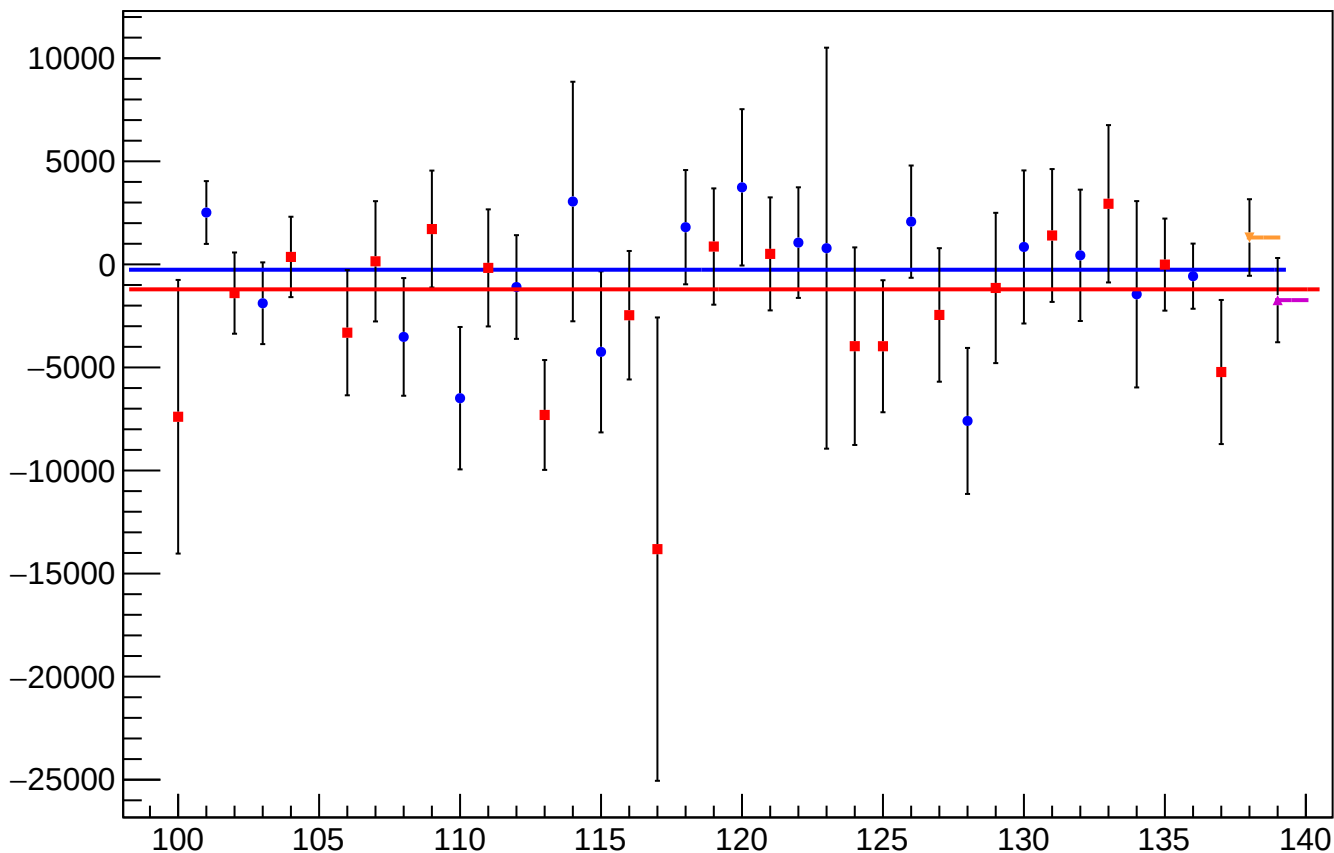
Left In: 1146.188+/-0.951 χ^2/NDF : 0.0/0

1122.381+/-0.292 χ^2/NDF : 12644.2/17

1122.890+/-0.203 χ^2/NDF : 23592.1/38

1123.368+/-0.282 χ^2/NDF : 10941.9/20

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -259.821 ± 655.275 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 1304.158 ± 1857.393 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -1211.378 ± 661.281 $\chi^2/\text{NDF}: 15.7/19$

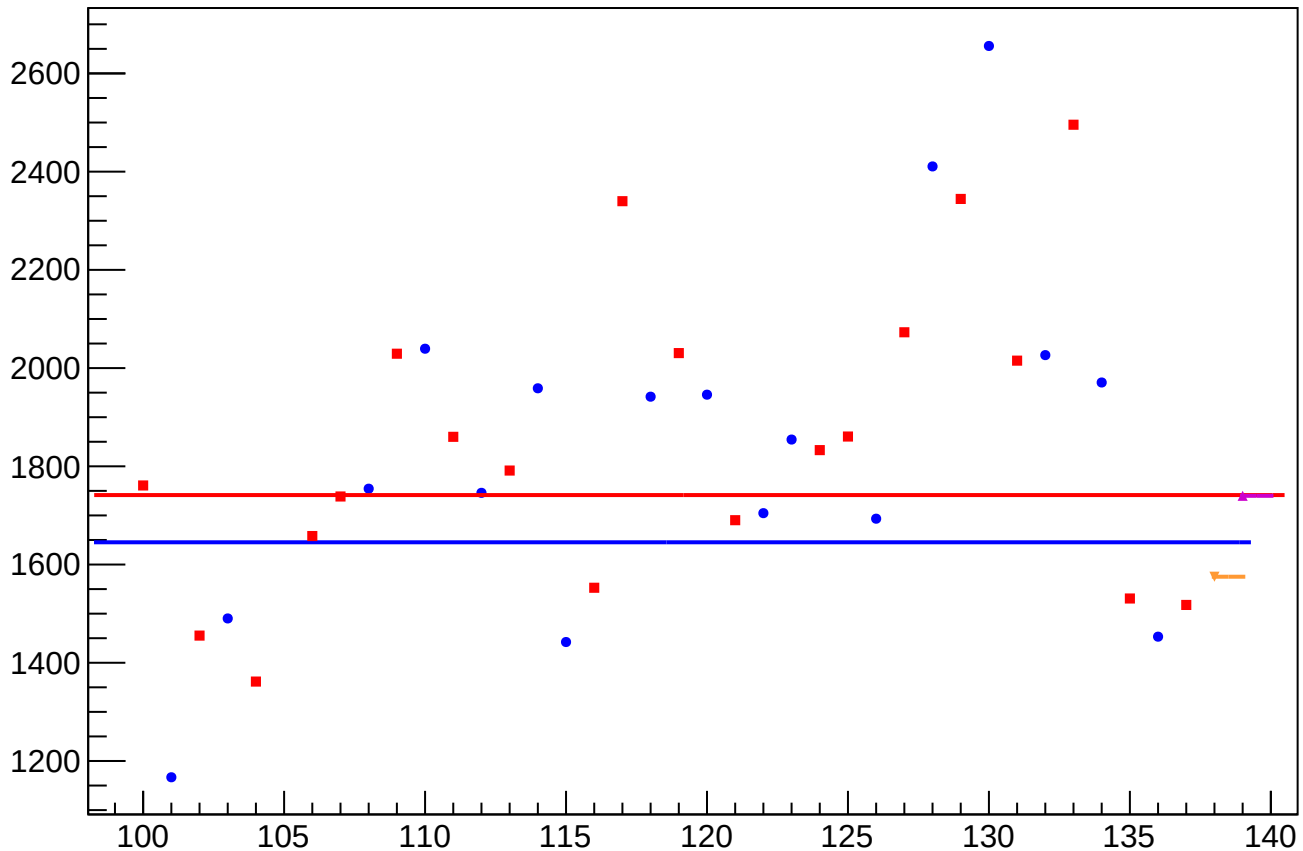
Left In: -1734.184 ± 2043.854 $\chi^2/\text{NDF}: 0.0/0$

-86.709 ± 617.947 $\chi^2/\text{NDF}: 17.8/17$

-663.250 ± 440.868 $\chi^2/\text{NDF}: 35.3/38$

-1260.920 ± 629.169 $\chi^2/\text{NDF}: 15.7/20$

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1575.201+/-1.313 χ^2/NDF : 0.0/0

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

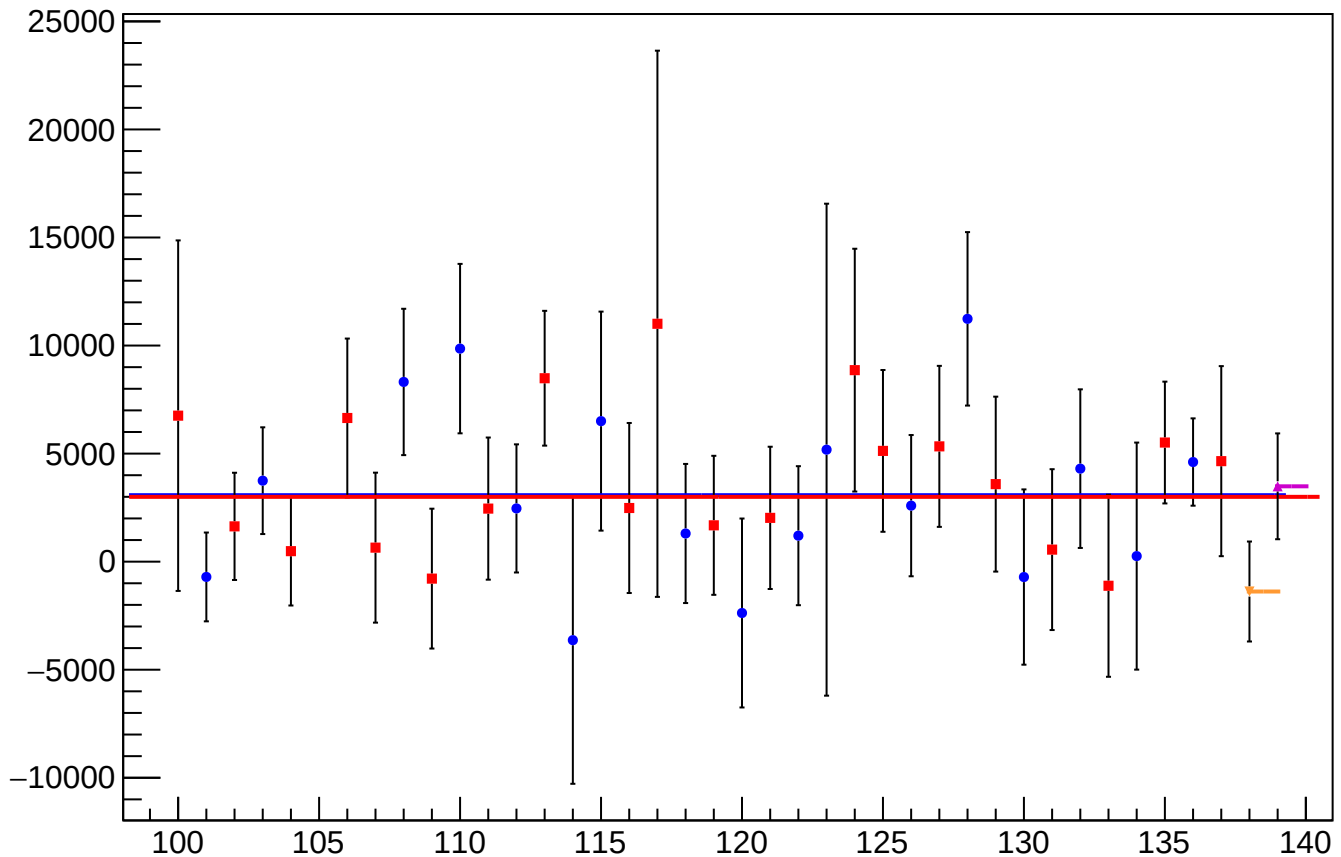
Left In: 1739.985+/-1.445 χ^2/NDF : 0.0/0

1637.547+/-0.437 χ^2/NDF : 603449.1/17

1688.500+/-0.312 χ^2/NDF : 1007846.3/38

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: -1381.563 $\pm$ 2313.008 χ^2 /NDF: 0.0/0

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

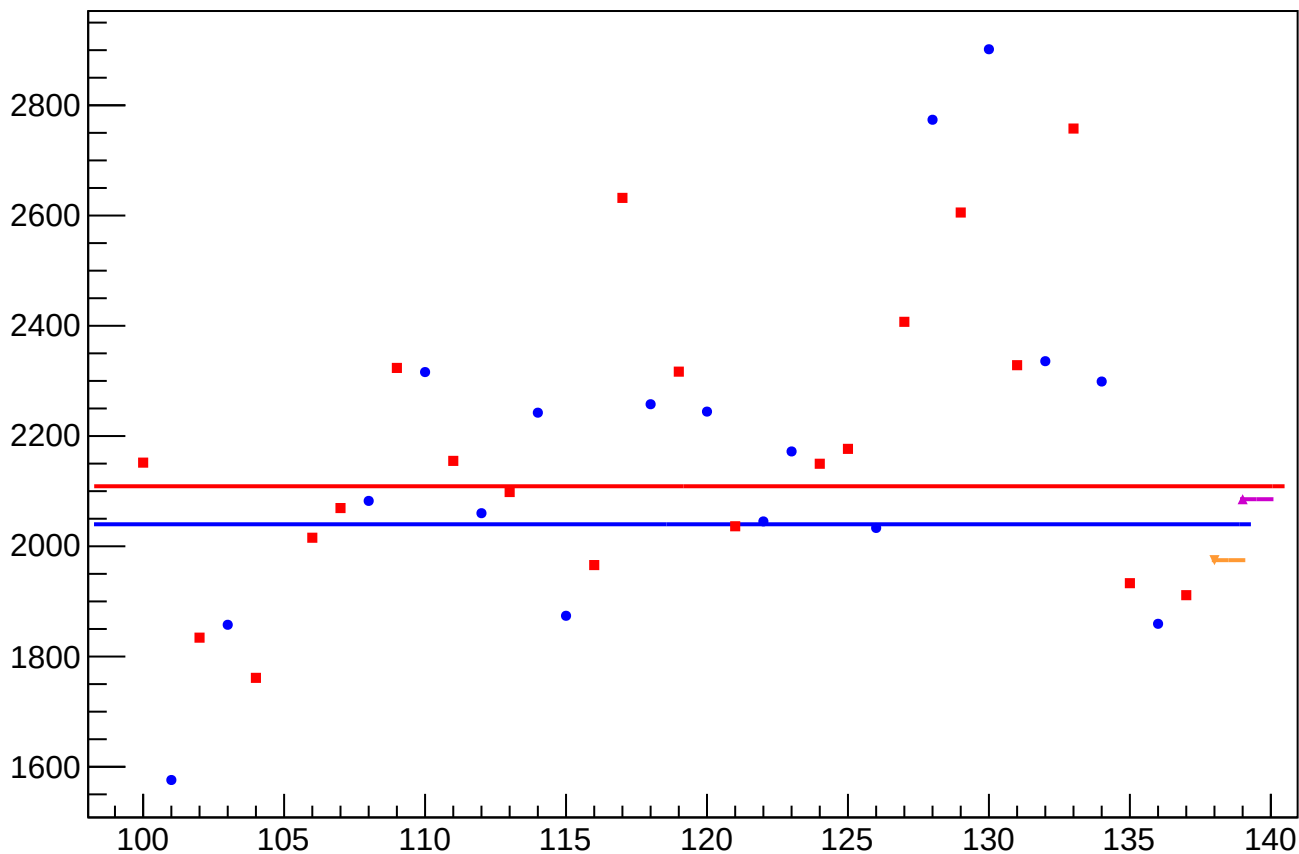
Left In: 3486.359 $\pm$ 2448.561 χ^2 /NDF: 0.0/0

2596.804 $\pm$ 757.953 χ^2 /NDF: 21.9/17

2821.992 $\pm$ 535.027 χ^2 /NDF: 34.4/38

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

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1974.816 $\pm$ 1.636 χ^2 /NDF: 0.0/0

Right Out: 2108.906 $\pm$ 0.561 χ^2 /NDF: 198889.3/19

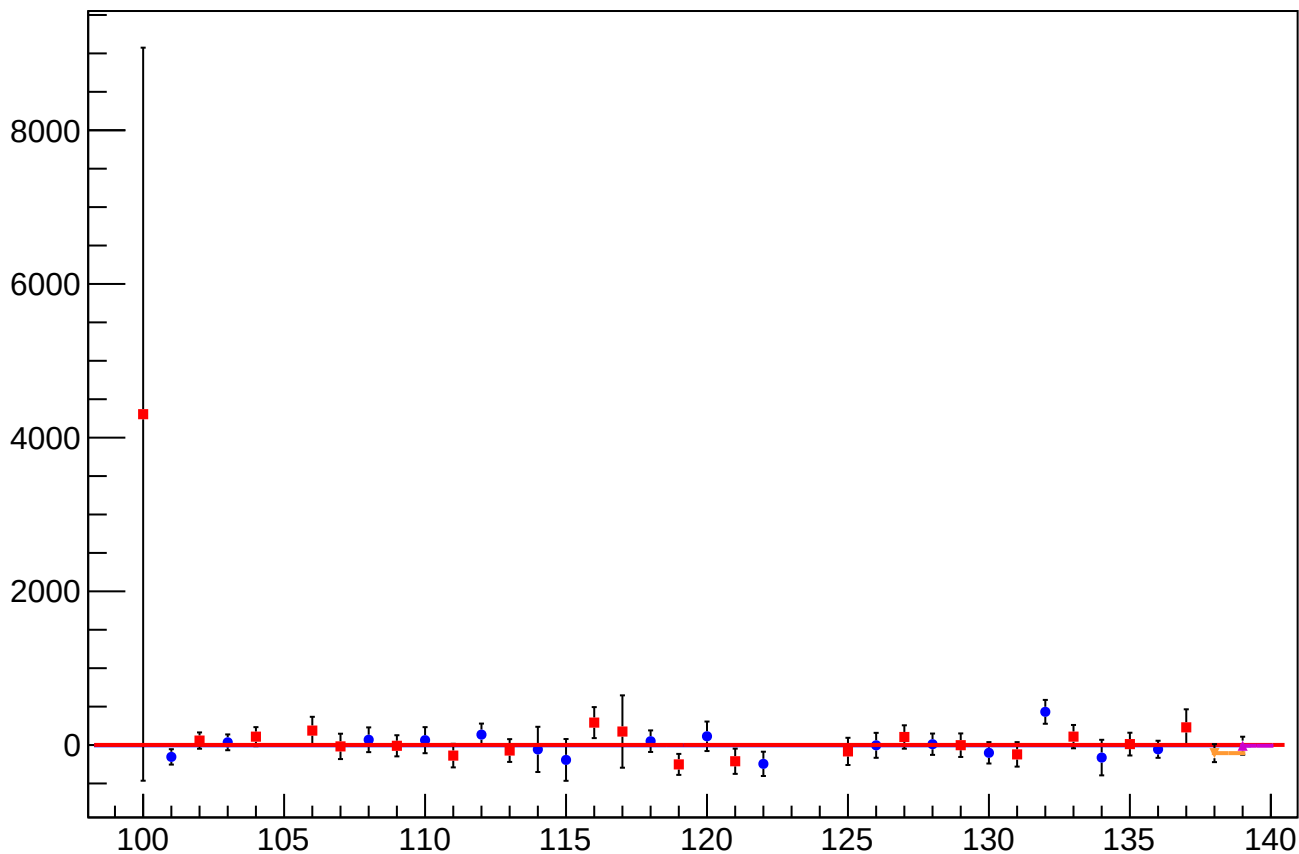
Left In: 2085.402 $\pm$ 1.731 χ^2 /NDF: 0.0/0

2032.949 $\pm$ 0.536 χ^2 /NDF: 333399.3/17

2069.936 $\pm$ 0.378 χ^2 /NDF: 541948.0/38

2106.669 $\pm$ 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: -105.311 ± 116.966 χ^2/NDF : 0.0/0

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

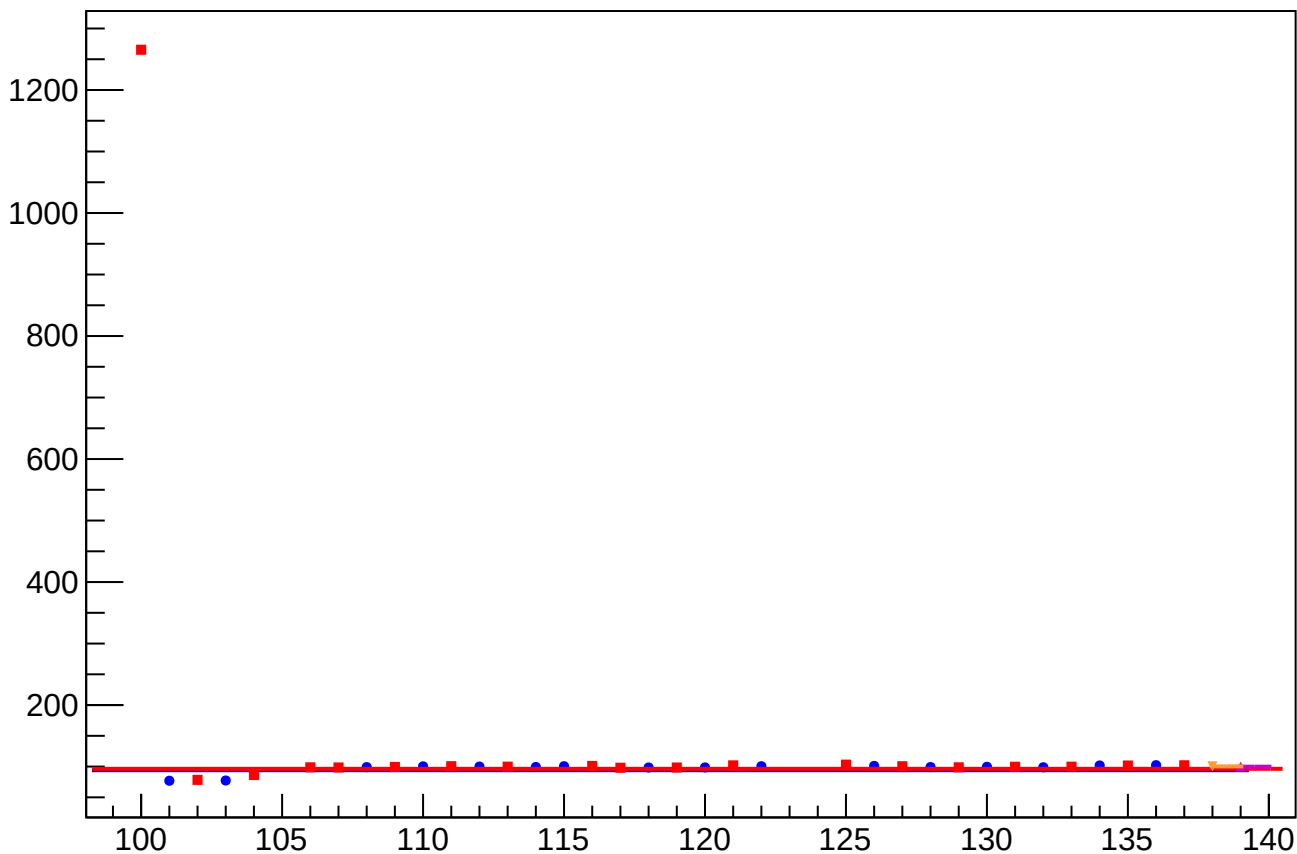
Left In: -8.847 ± 117.164 χ^2/NDF : 0.0/0

-12.433 ± 35.029 χ^2/NDF : 16.8/16

-5.886 ± 24.732 χ^2/NDF : 31.0/36

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: 100.313+/-0.083 χ^2/NDF : 0.0/0

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

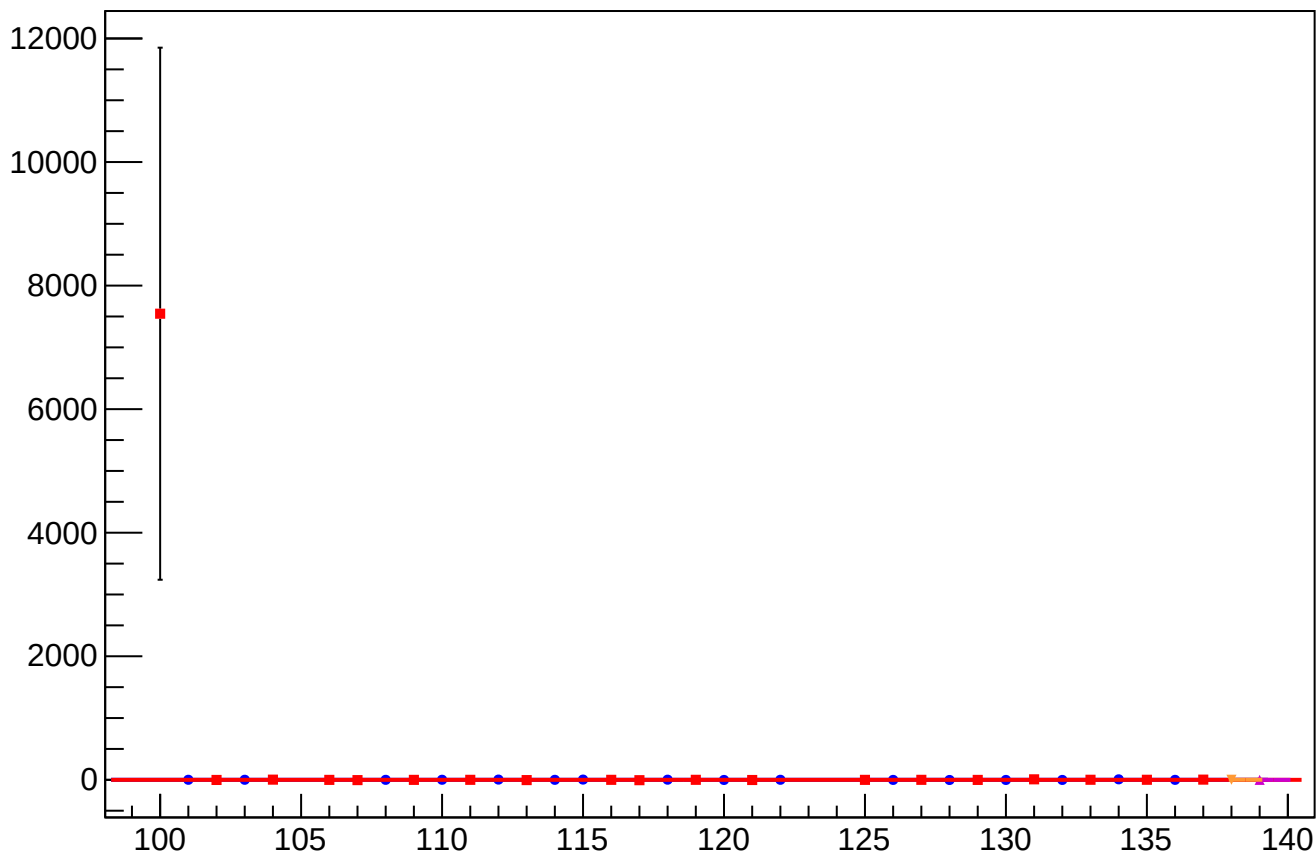
Left In: 99.830+/-0.083 χ^2/NDF : 0.0/0

94.628+/-0.025 χ^2/NDF : 157474.8/16

95.662+/-0.017 χ^2/NDF : 371778.0/36

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: 1.136+/-1.979 χ^2/NDF : 0.0/0

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

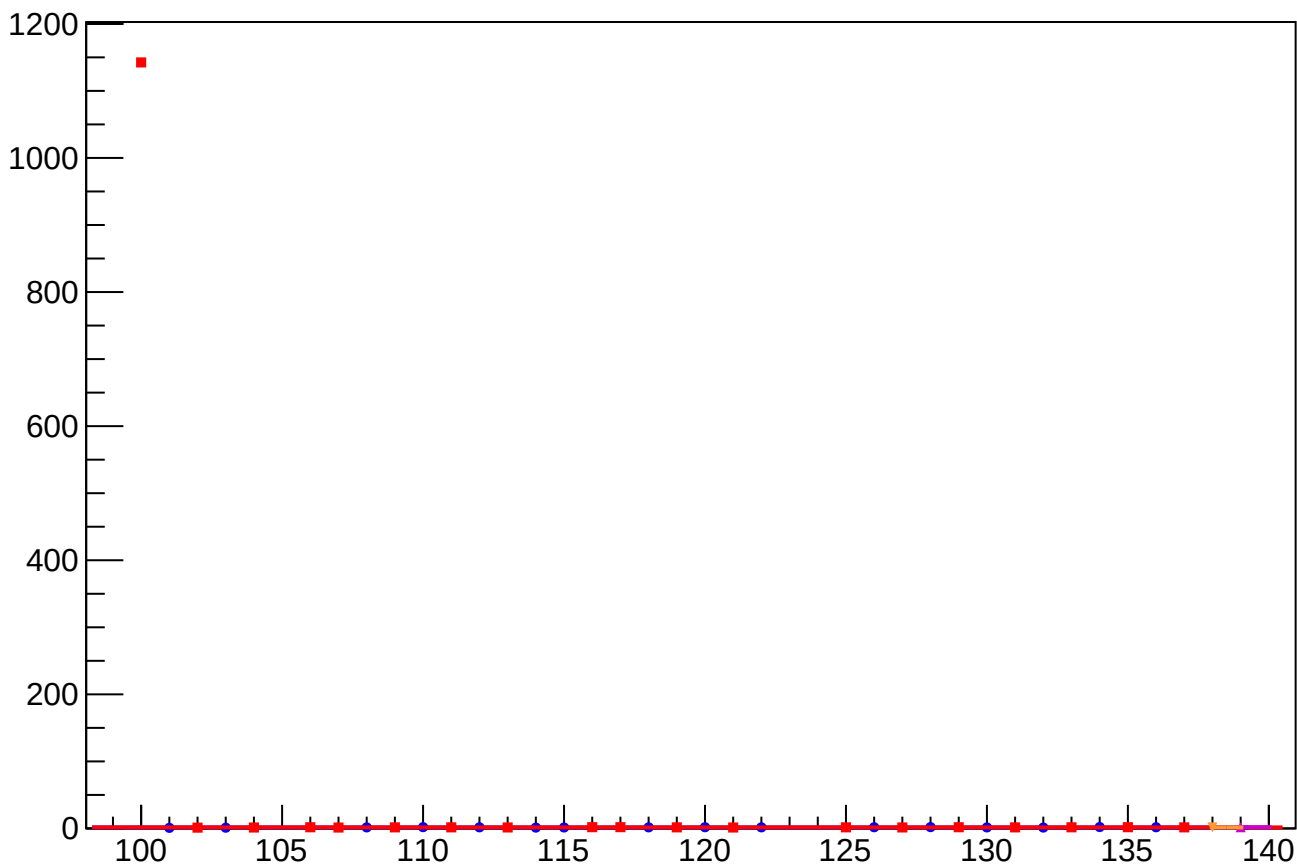
Left In: -0.521+/-2.270 χ^2/NDF : 0.0/0

0.489+/-0.588 χ^2/NDF : 9.8/16

0.090+/-0.426 χ^2/NDF : 33.9/36

-0.350+/-0.617 χ^2/NDF : 23.1/19

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.541 $\pm$ 0.001 χ^2 /NDF: 0.0/0

Right Out: 1.557 $\pm$ 0.000 χ^2 /NDF: 318750.9/18

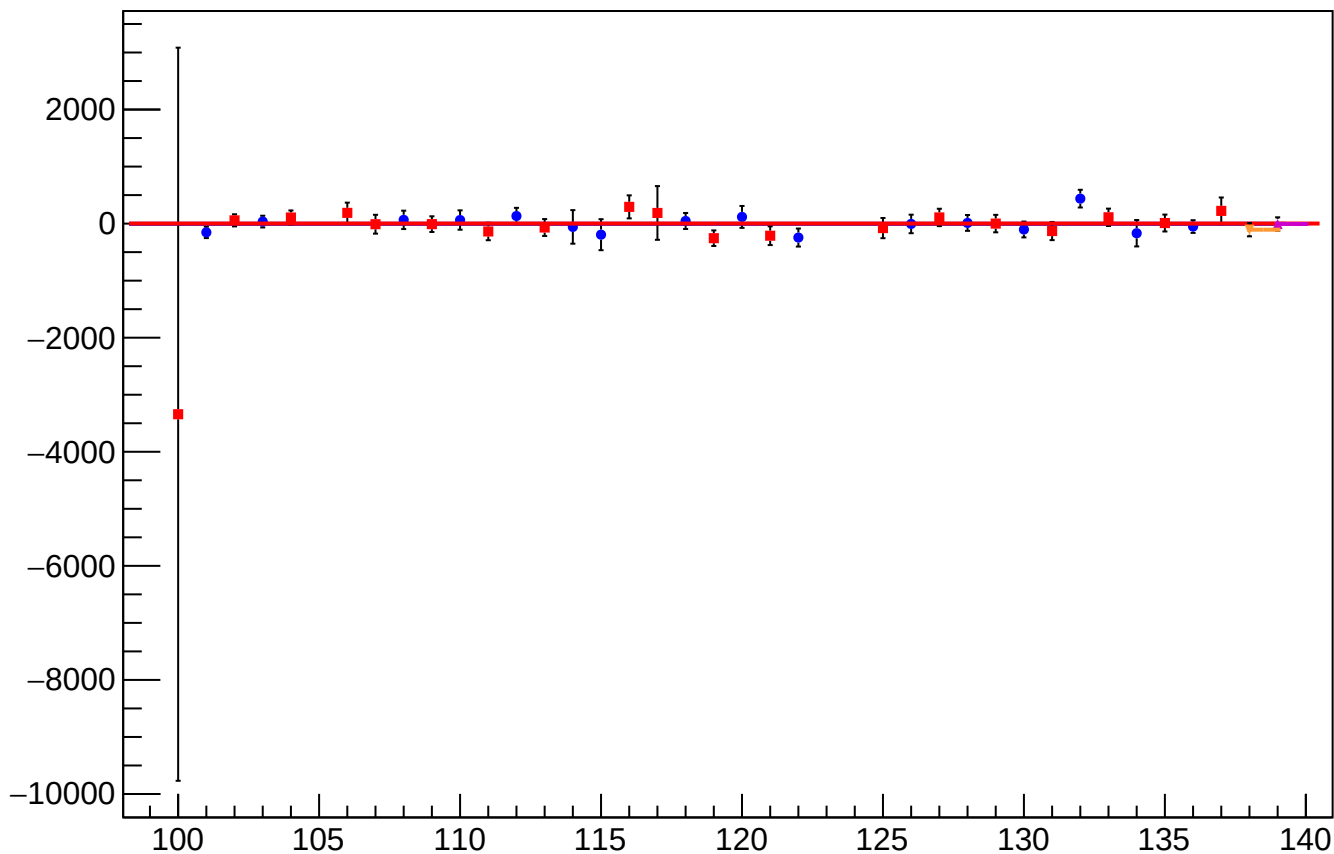
Left In: 1.848 $\pm$ 0.002 χ^2 /NDF: 0.0/0

1.430 $\pm$ 0.000 χ^2 /NDF: 737851.7/16

1.501 $\pm$ 0.000 χ^2 /NDF: 1147506.3/36

1.579 $\pm$ 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: -106.609+/-116.997 χ^2/NDF : 0.0/0

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

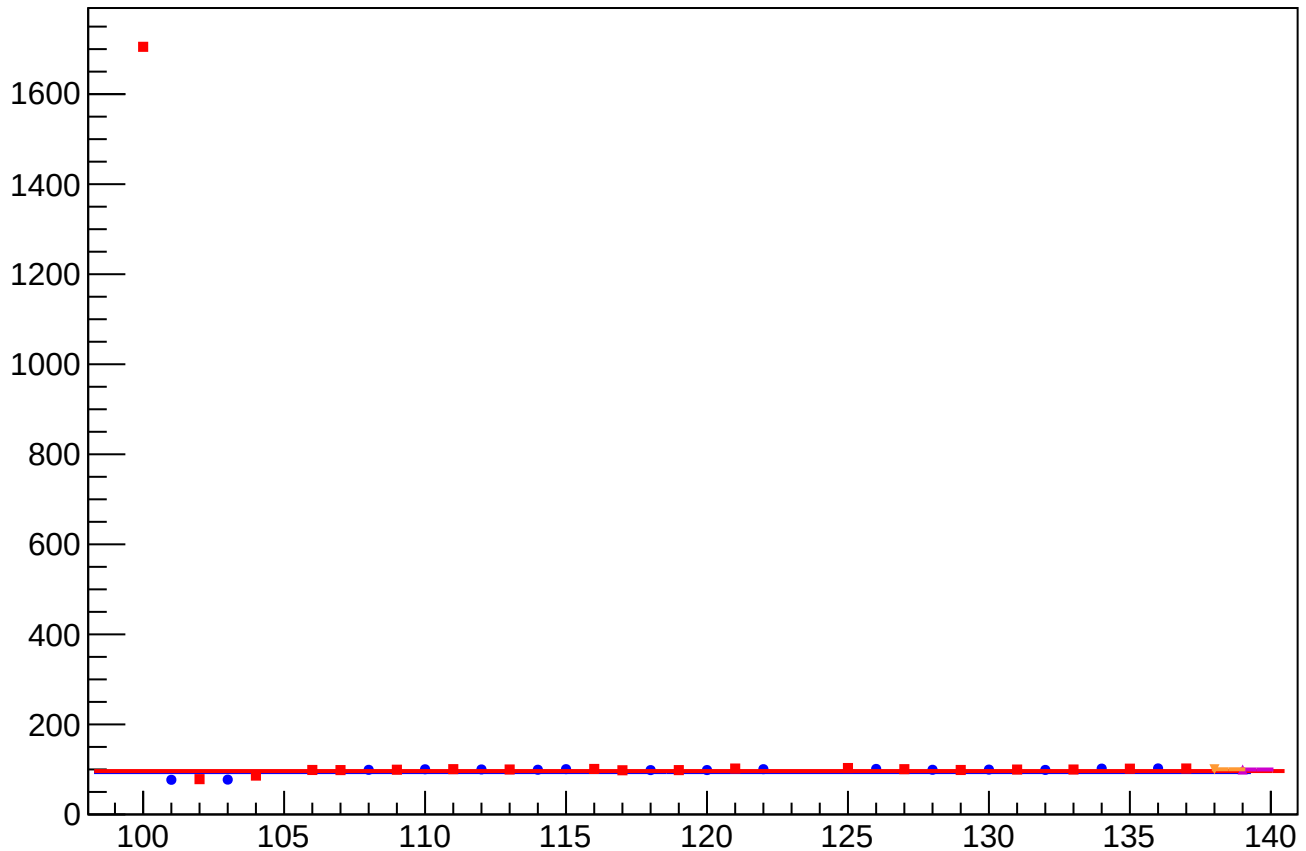
Left In: -6.698+/-117.196 χ^2/NDF : 0.0/0

-12.382+/-35.038 χ^2/NDF : 17.0/16

-5.877+/-24.739 χ^2/NDF : 30.8/36

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: 100.339+/-0.083 χ^2/NDF : 0.0/0

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

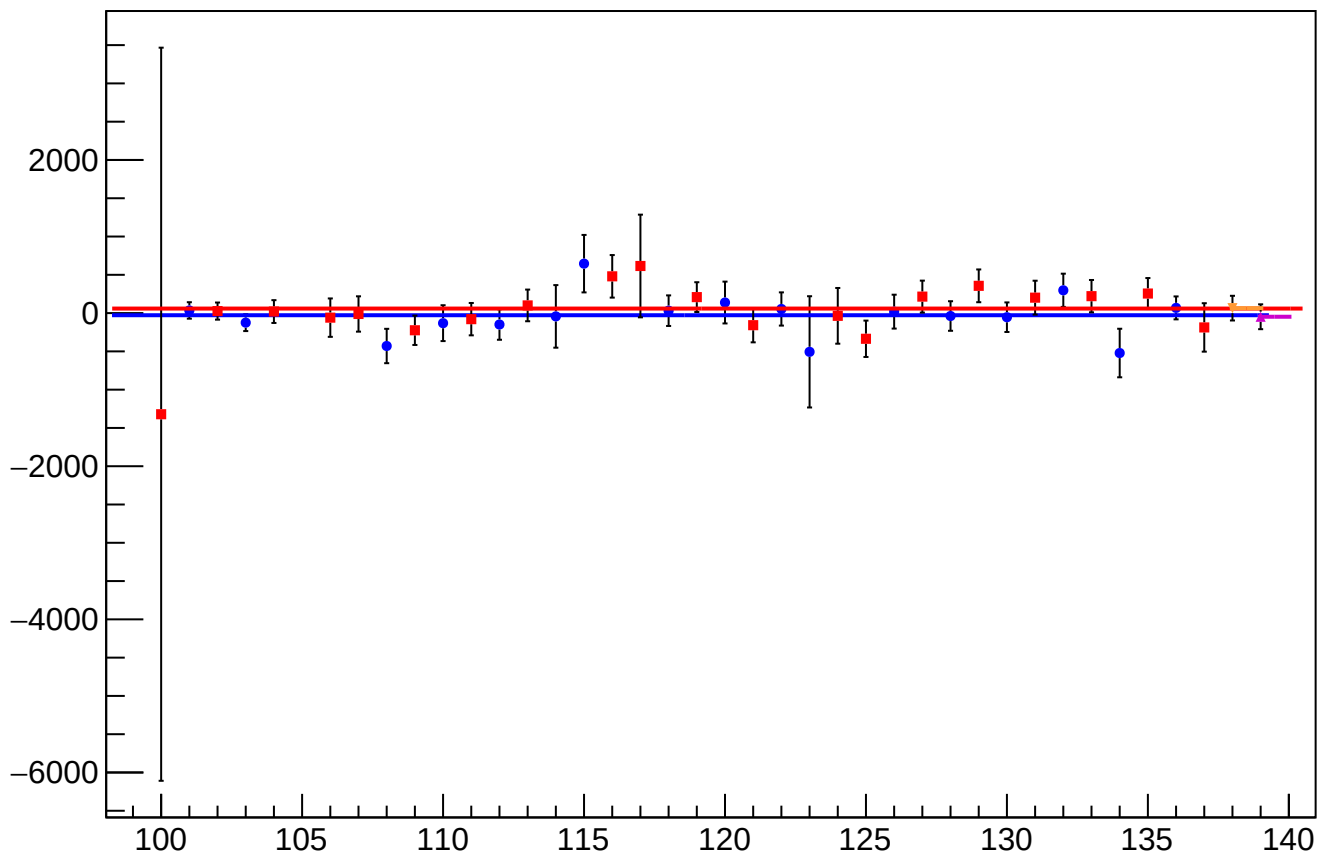
Left In: 99.857+/-0.083 χ^2/NDF : 0.0/0

94.653+/-0.025 χ^2/NDF : 157495.1/16

95.679+/-0.017 χ^2/NDF : 376900.2/36

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: 64.721 ± 161.200 χ^2/NDF : 0.0/0

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

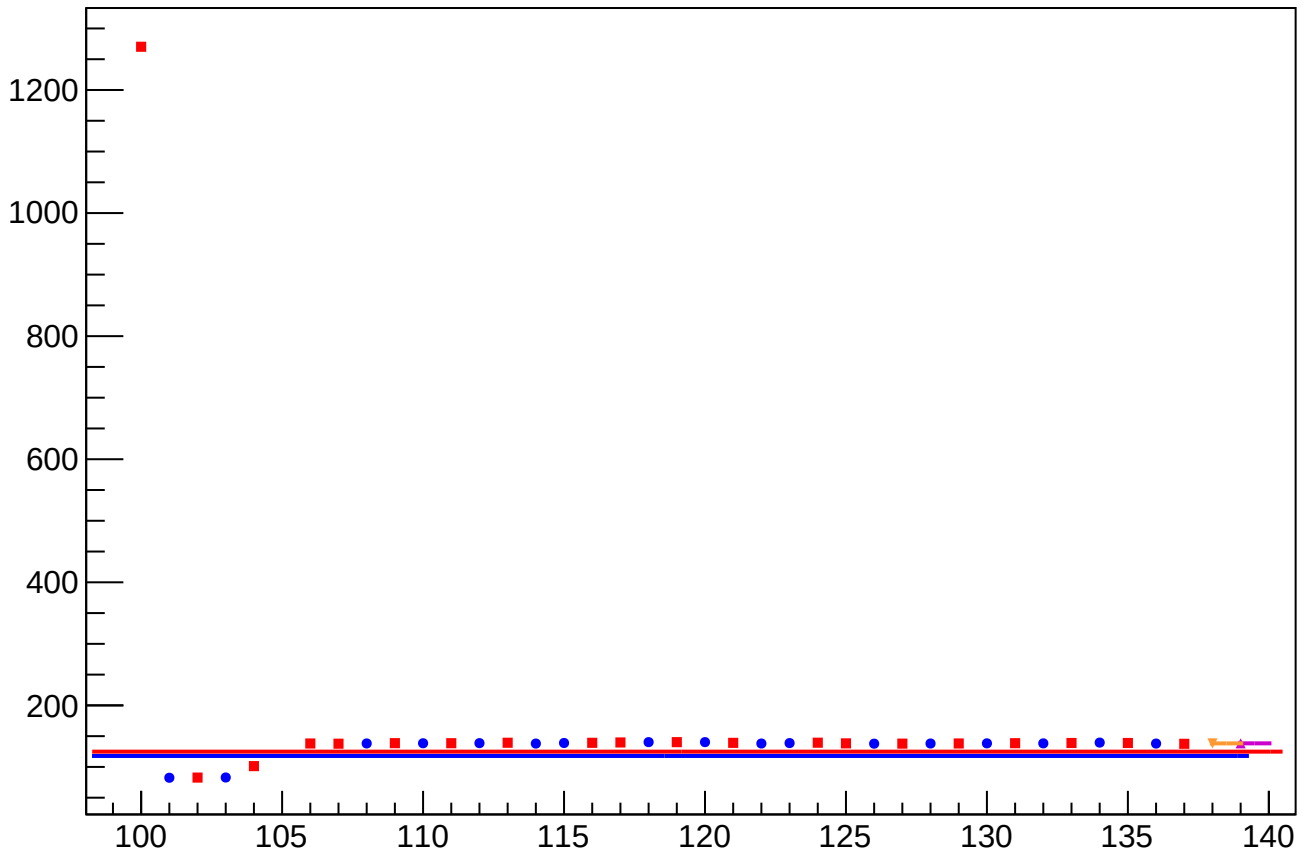
Left In: -47.719 ± 162.340 χ^2/NDF : 0.0/0

-20.651 ± 44.924 χ^2/NDF : 14.6/17

14.464 ± 32.025 χ^2/NDF : 31.8/38

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: 138.246 $\pm$ 0.114 χ^2 /NDF: 0.0/0

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

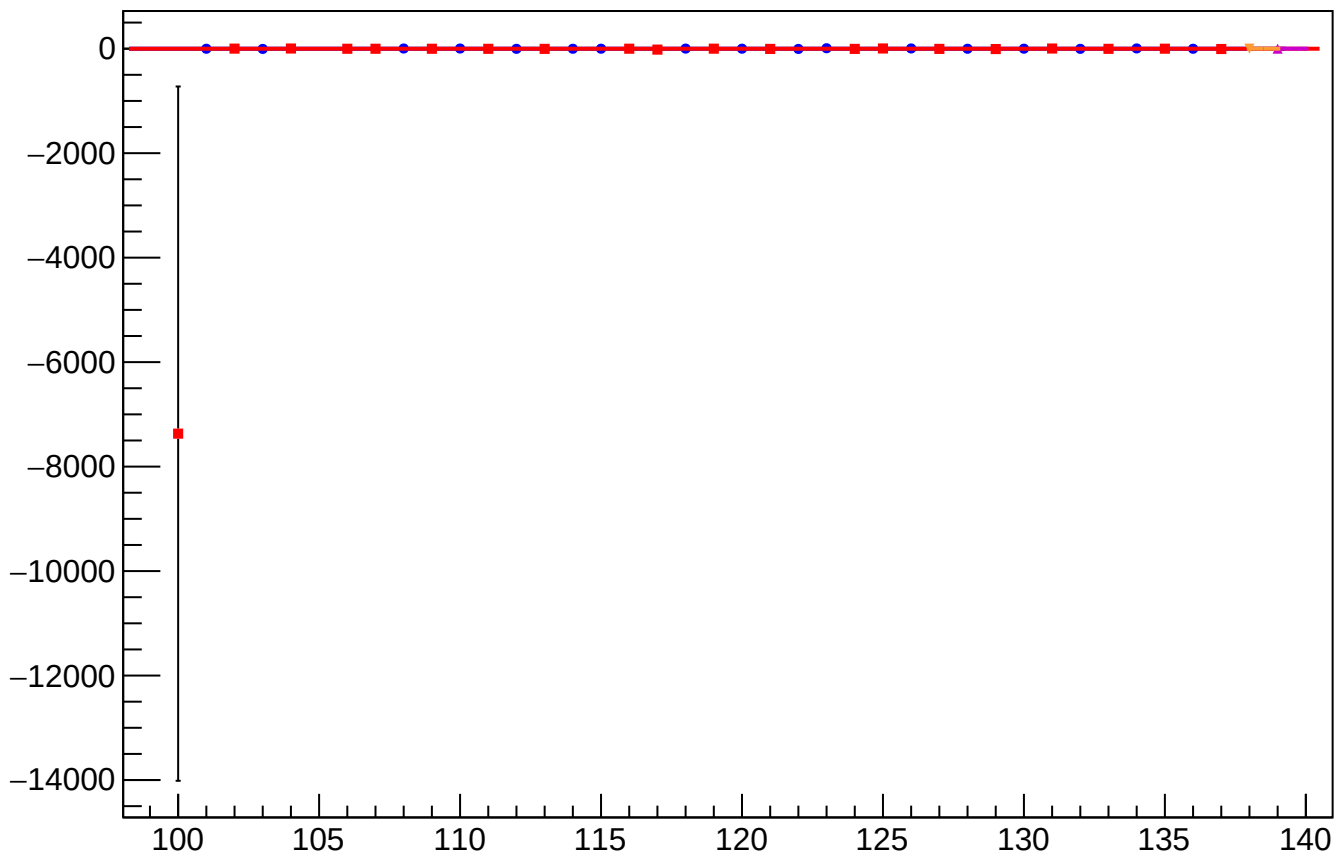
Left In: 138.320 $\pm$ 0.115 χ^2 /NDF: 0.0/0

119.402 $\pm$ 0.032 χ^2 /NDF: 696215.2/17

122.600 $\pm$ 0.023 χ^2 /NDF: 1300299.4/38

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: 0.748 ± 2.953 χ^2/NDF : 0.0/0

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

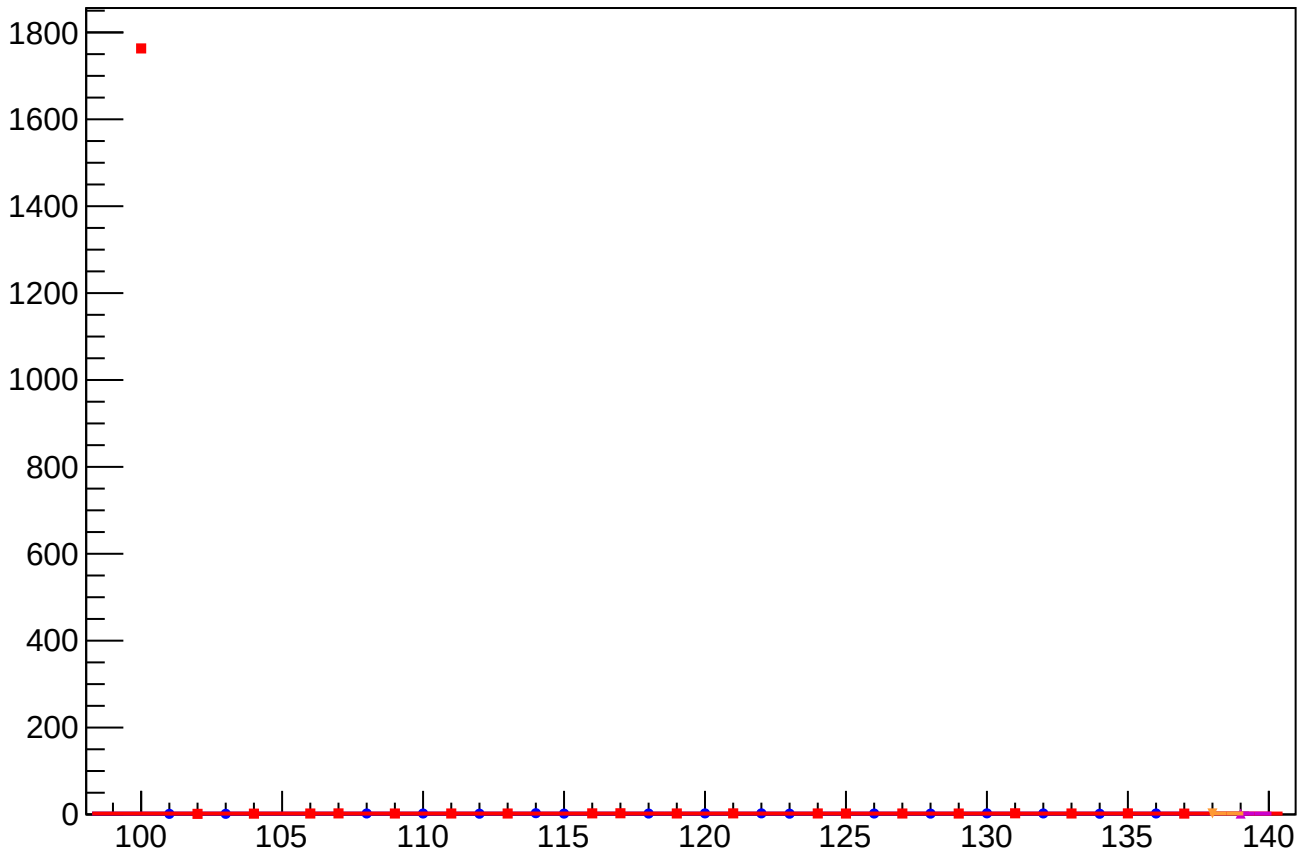
Left In: 0.682 ± 2.704 χ^2/NDF : 0.0/0

-0.594 ± 0.781 χ^2/NDF : 12.9/17

-0.594 ± 0.562 χ^2/NDF : 28.4/38

-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: 2.362 $\pm$ 0.002 χ^2 /NDF: 0.0/0

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

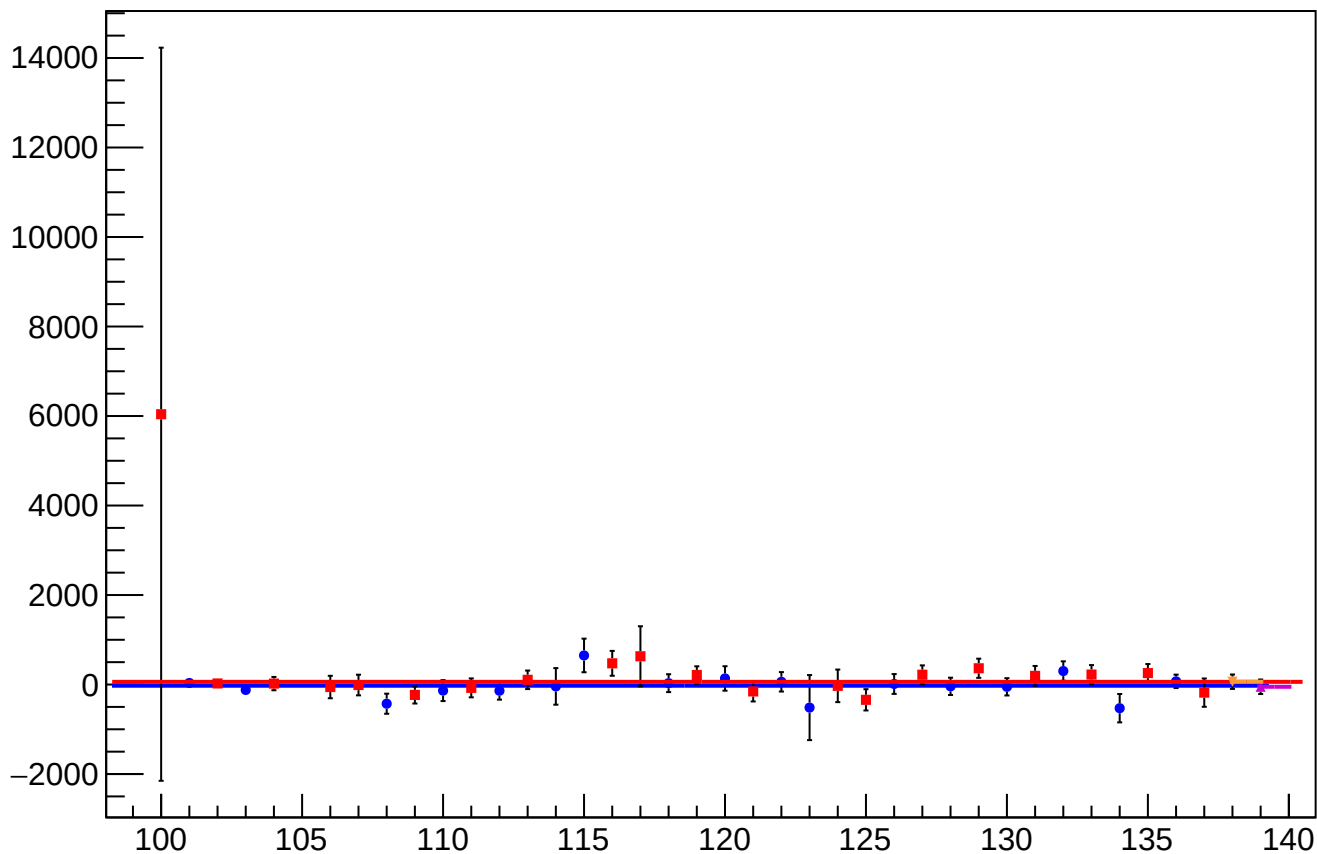
Left In: 2.034 $\pm$ 0.002 χ^2 /NDF: 0.0/0

1.904 $\pm$ 0.001 χ^2 /NDF: 545018.3/17

1.981 $\pm$ 0.000 χ^2 /NDF: 1116562.5/38

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

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 63.123+/-161.244 χ^2/NDF : 0.0/0

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

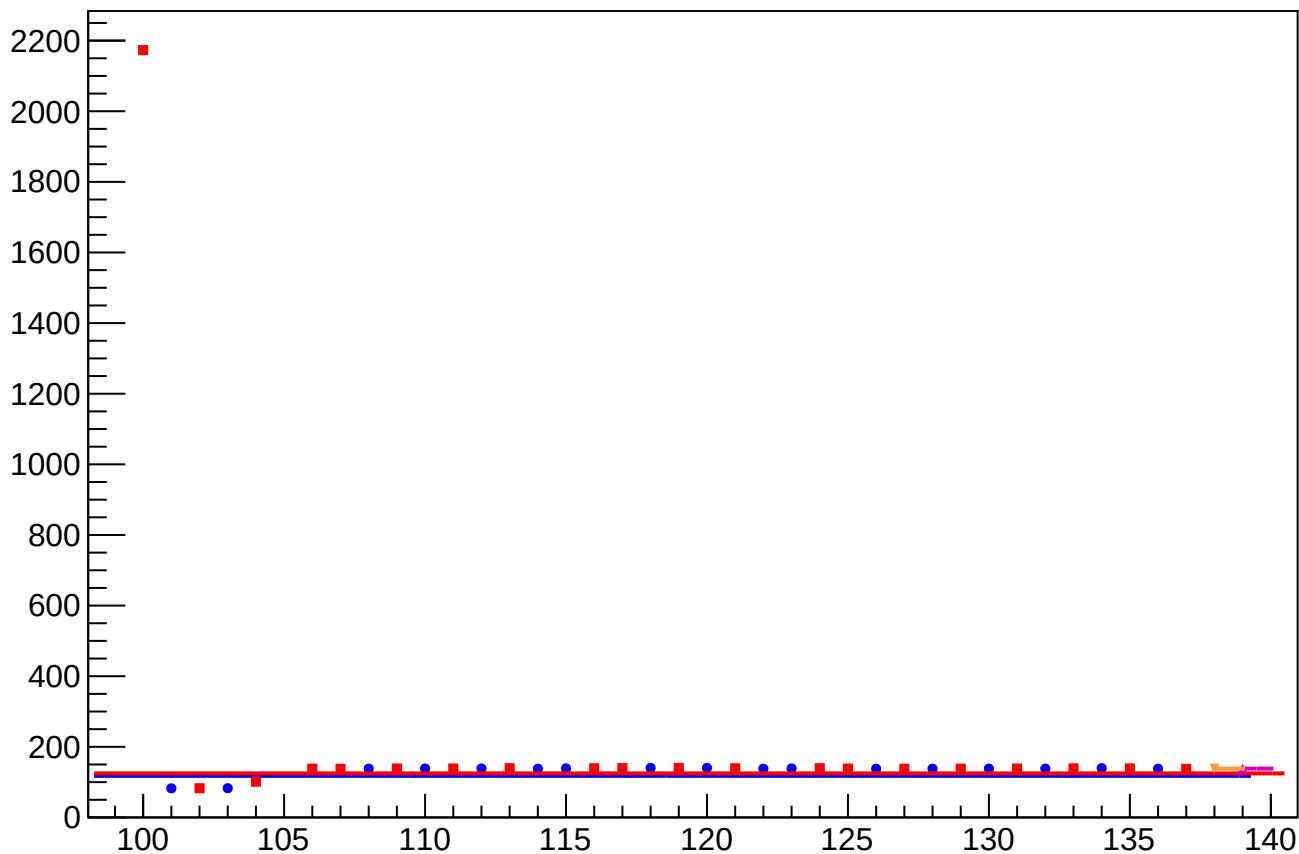
Left In: -50.045+/-162.383 χ^2/NDF : 0.0/0

-19.317+/-44.936 χ^2/NDF : 14.6/17

15.480+/-32.034 χ^2/NDF : 32.5/38

51.438+/-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: 138.284 $\pm$ 0.114 χ^2 /NDF: 0.0/0

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

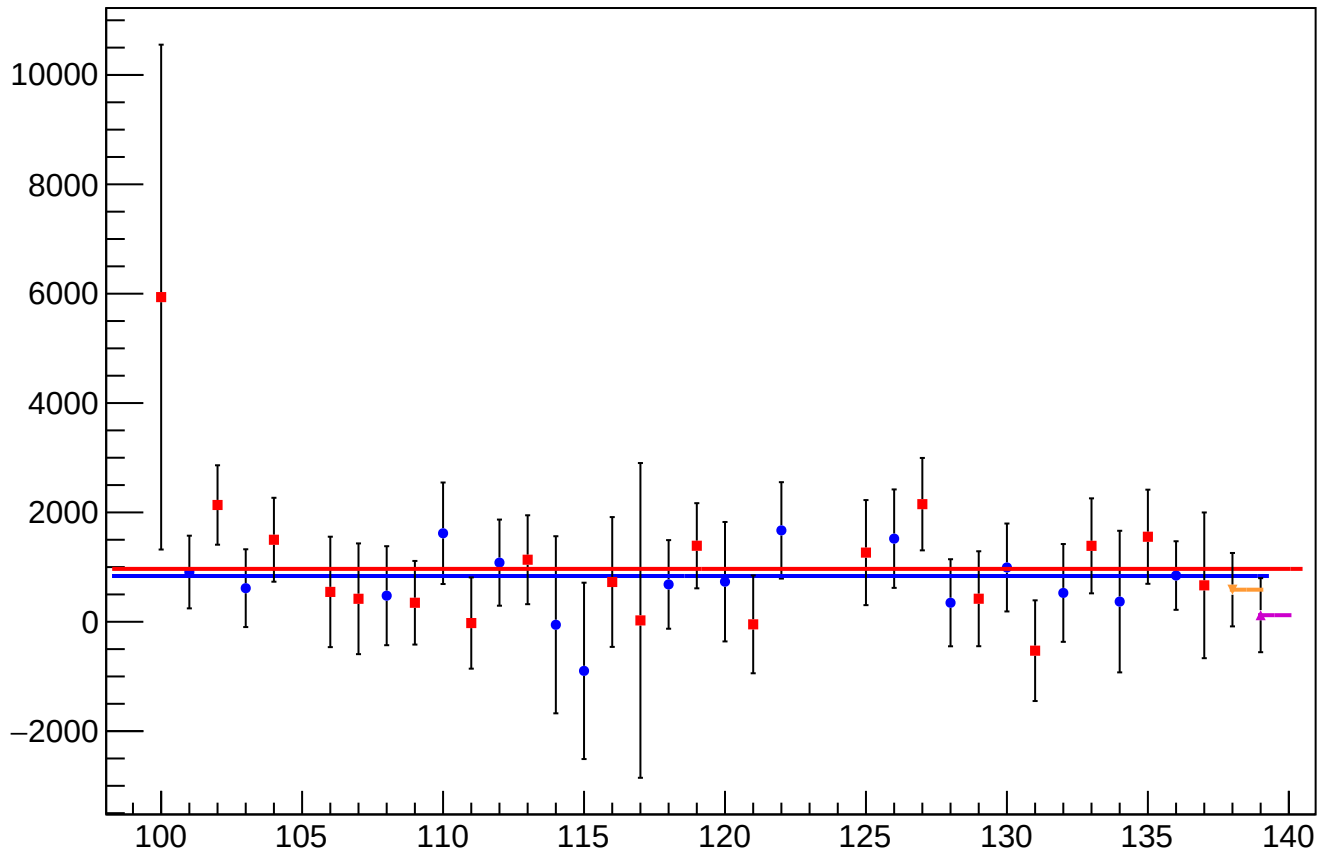
Left In: 138.357 $\pm$ 0.115 χ^2 /NDF: 0.0/0

119.434 $\pm$ 0.032 χ^2 /NDF: 696257.3/17

122.613 $\pm$ 0.023 χ^2 /NDF: 1310748.0/38

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: 586.912 $\pm$ 671.331 χ^2 /NDF: 0.0/0

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

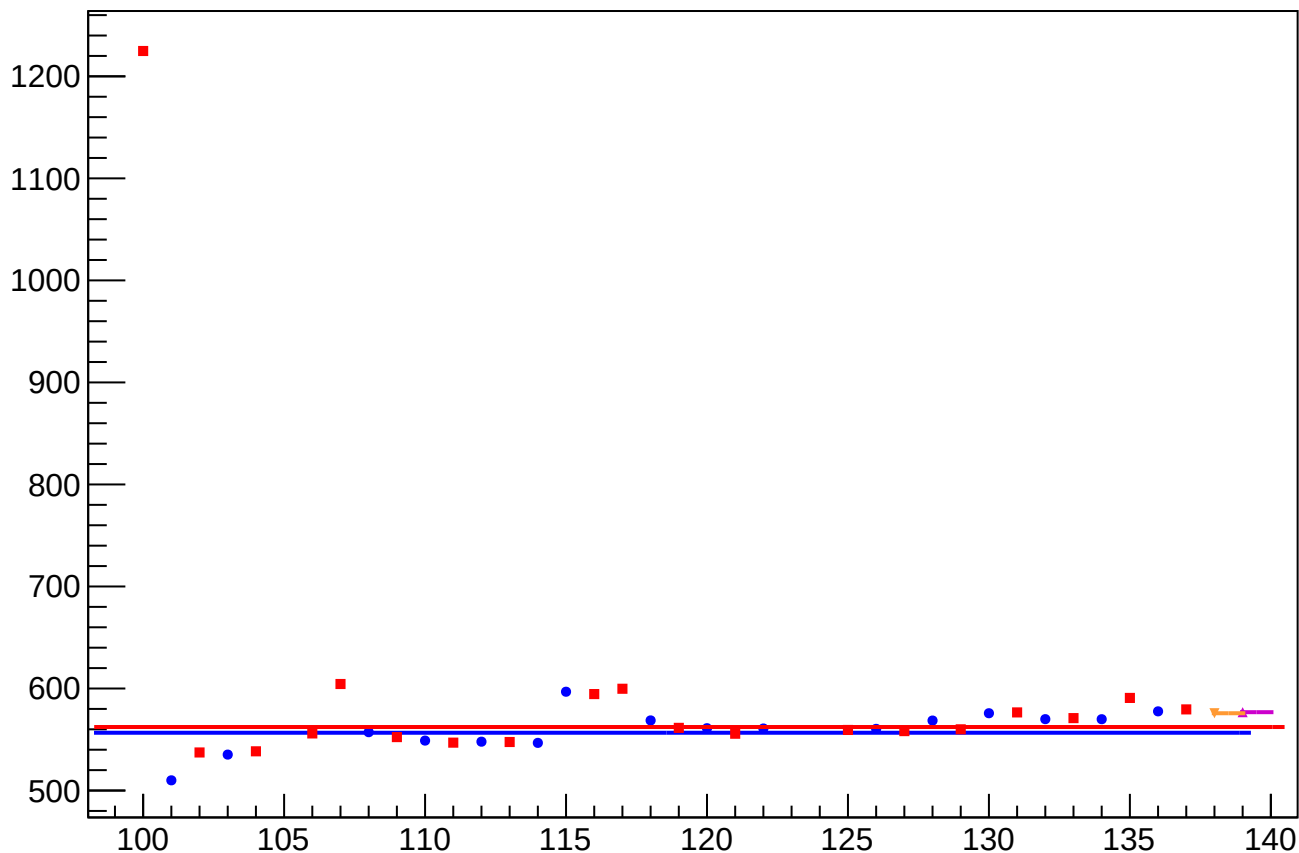
Left In: 120.557 $\pm$ 676.939 χ^2 /NDF: 0.0/0

813.547 $\pm$ 205.775 χ^2 /NDF: 4.8/16

853.178 $\pm$ 144.317 χ^2 /NDF: 20.7/36

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: 575.758 $\pm$ 0.475 χ^2 /NDF: 0.0/0

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

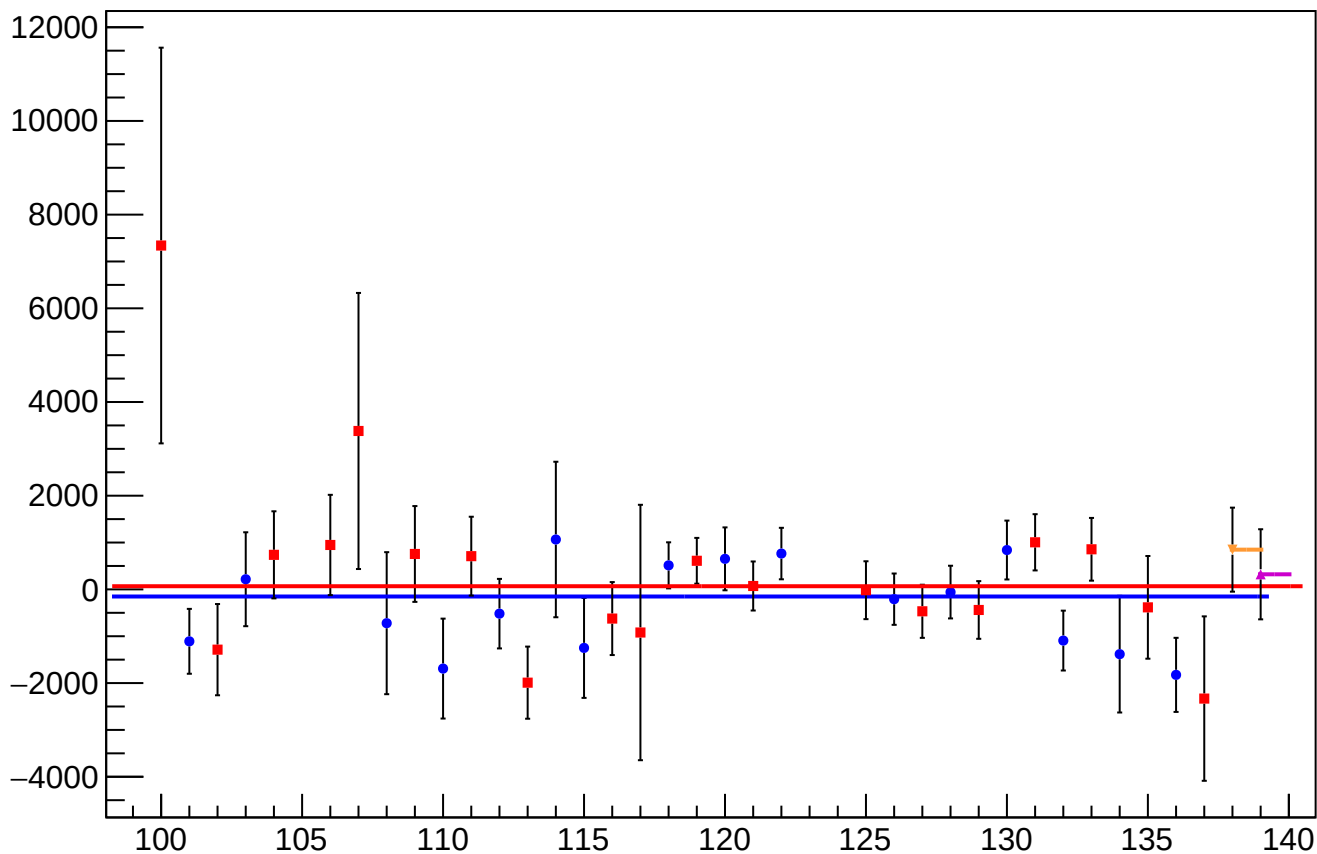
Left In: 576.793 $\pm$ 0.479 χ^2 /NDF: 0.0/0

558.434 $\pm$ 0.146 χ^2 /NDF: 19861.6/16

561.035 $\pm$ 0.102 χ^2 /NDF: 77247.7/36

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: 848.165+/-896.863 χ^2/NDF : 0.0/0

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

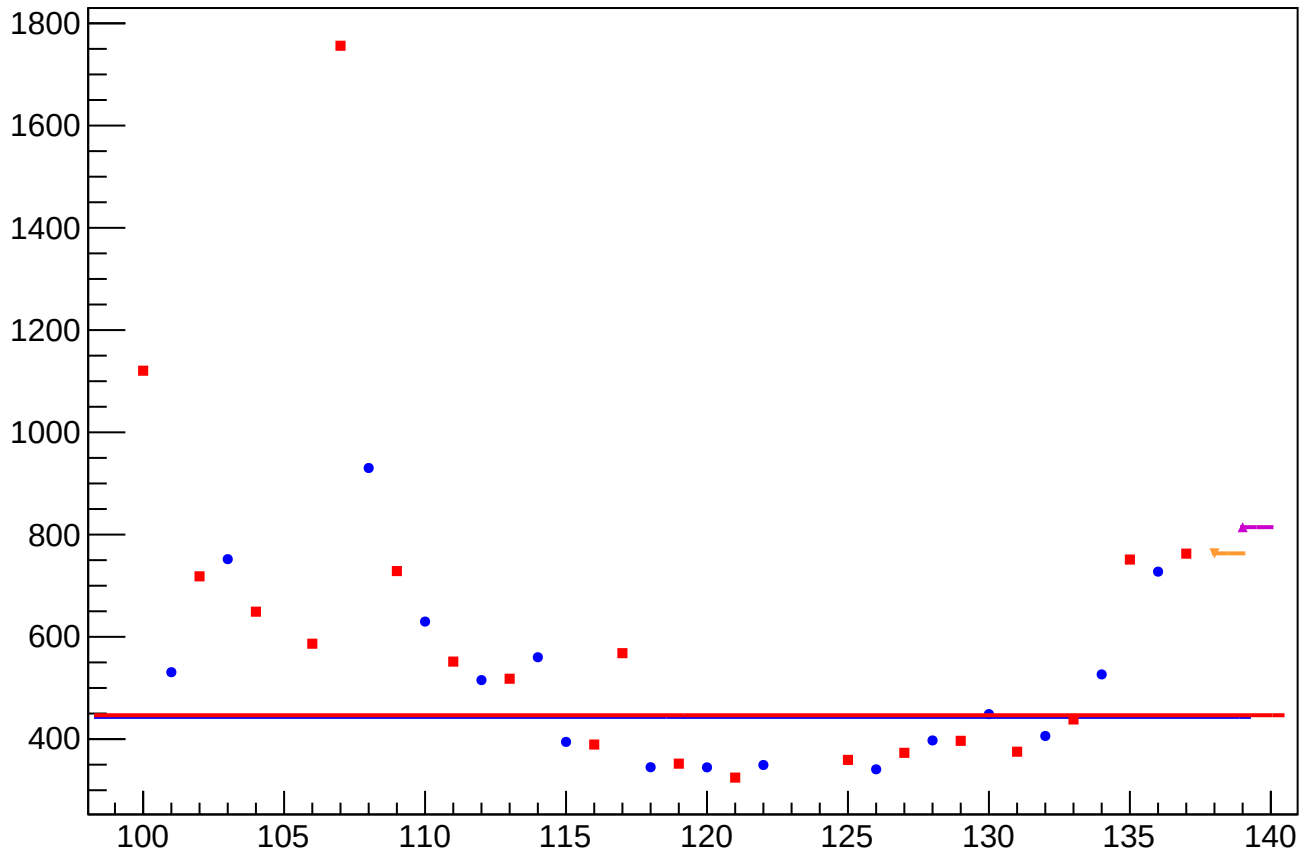
Left In: 322.016+/-961.746 χ^2/NDF : 0.0/0

-113.122+/-176.554 χ^2/NDF : 23.5/16

-17.899+/-124.396 χ^2/NDF : 49.3/36

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: 763.282+/-0.634 χ^2/NDF : 0.0/0

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

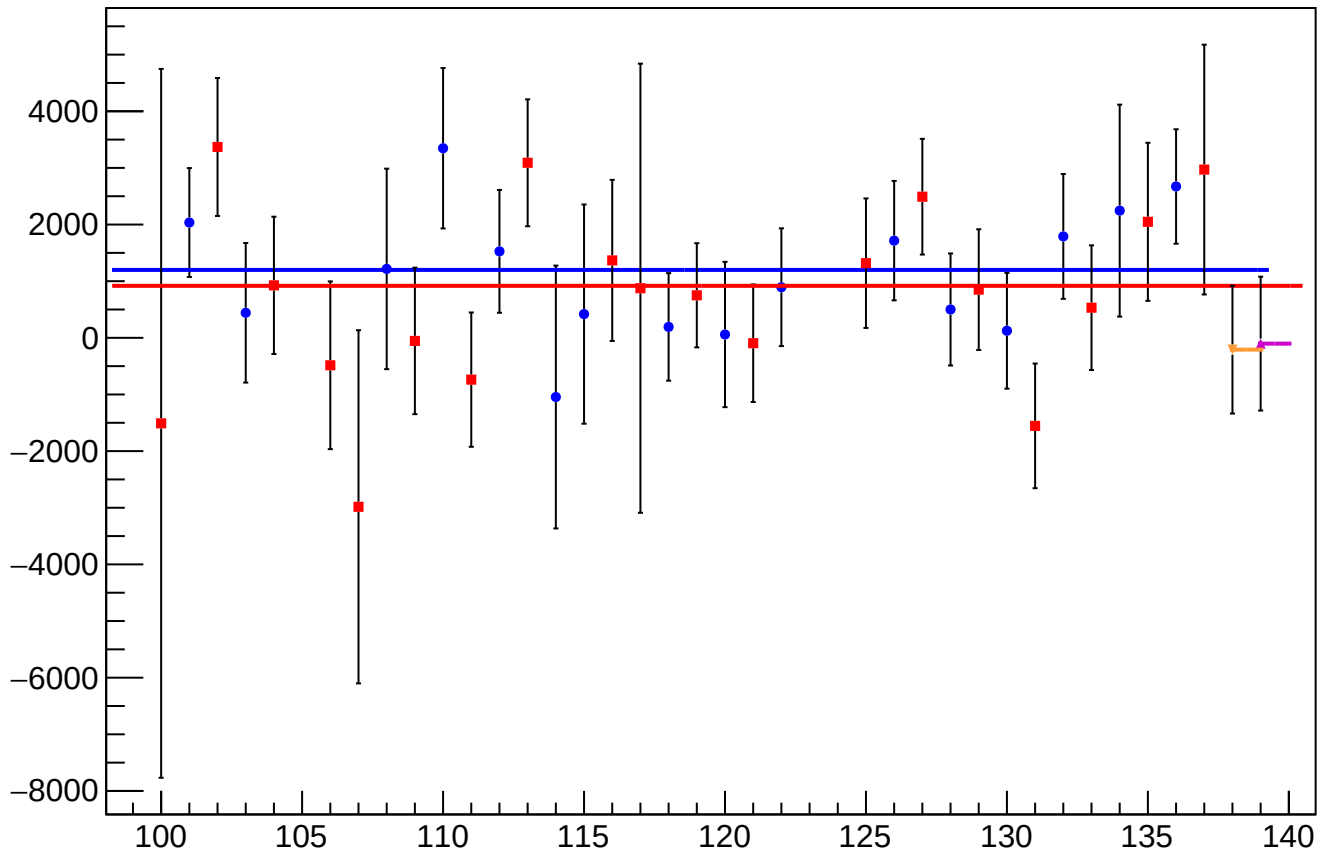
Left In: 814.520+/-0.680 χ^2/NDF : 0.0/0

455.845+/-0.125 χ^2/NDF : 1305427.3/16

457.378+/-0.088 χ^2/NDF : 3052562.1/36

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: -208.352 $\pm$ 1128.222 χ^2 /NDF: 0.0/0

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

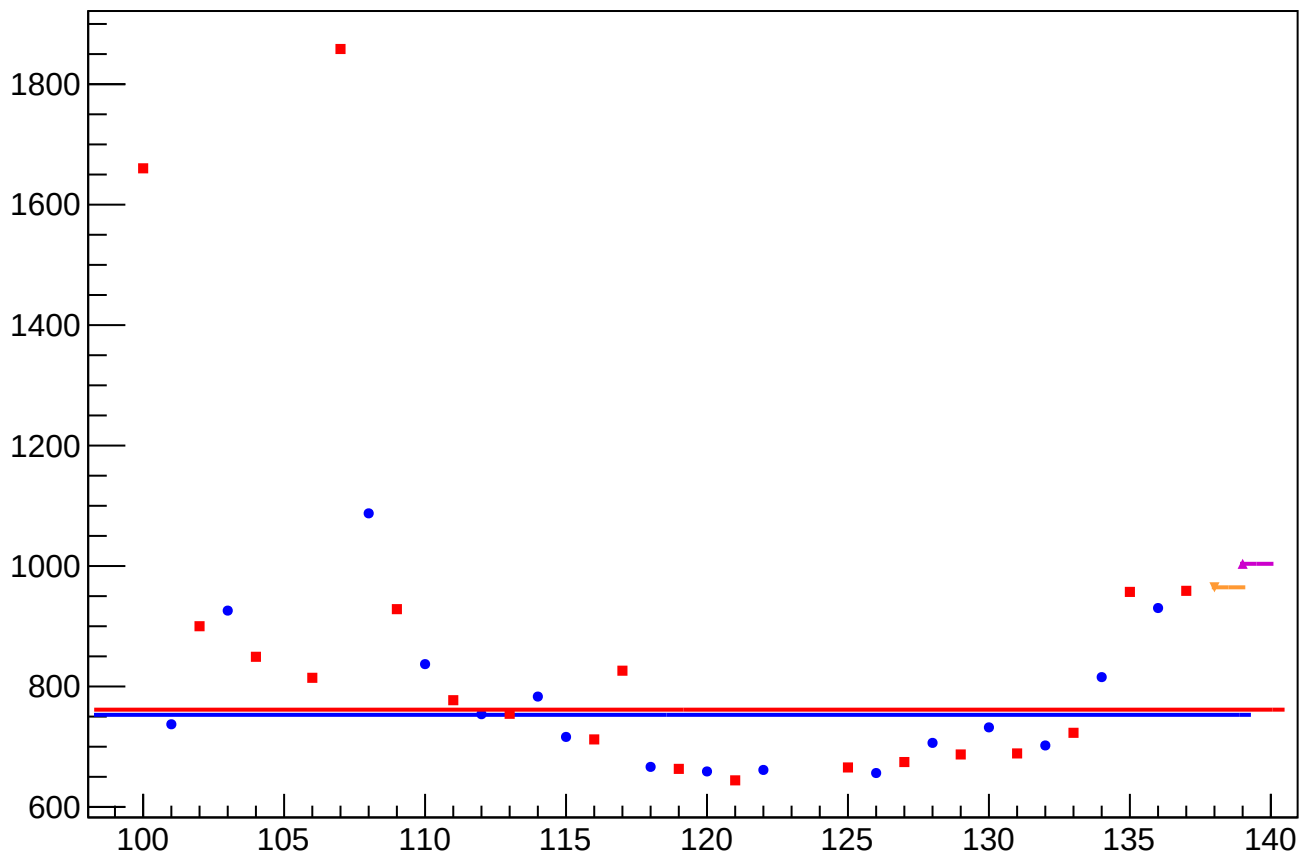
Left In: -102.473 $\pm$ 1181.691 χ^2 /NDF: 0.0/0

1108.774 $\pm$ 285.625 χ^2 /NDF: 12.7/16

983.271 $\pm$ 201.364 χ^2 /NDF: 37.0/36

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

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 964.646 $\pm$ 0.798 χ^2 /NDF: 0.0/0

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

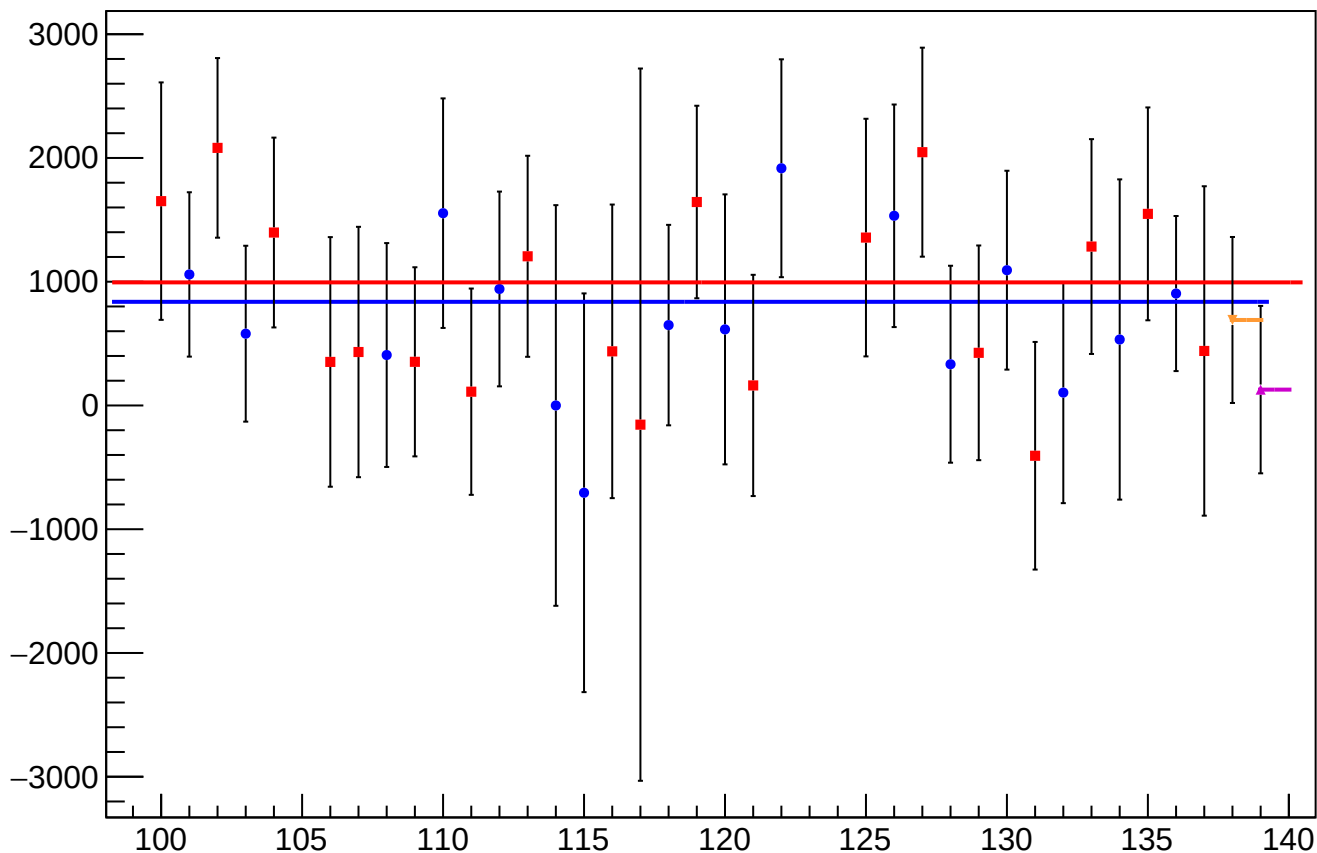
Left In: 1003.668 $\pm$ 0.836 χ^2 /NDF: 0.0/0

766.506 $\pm$ 0.202 χ^2 /NDF: 318436.6/16

771.027 $\pm$ 0.142 χ^2 /NDF: 916242.1/36

775.494 $\pm$ 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: 690.824 $\pm$ 670.671 χ^2 /NDF: 0.0/0

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

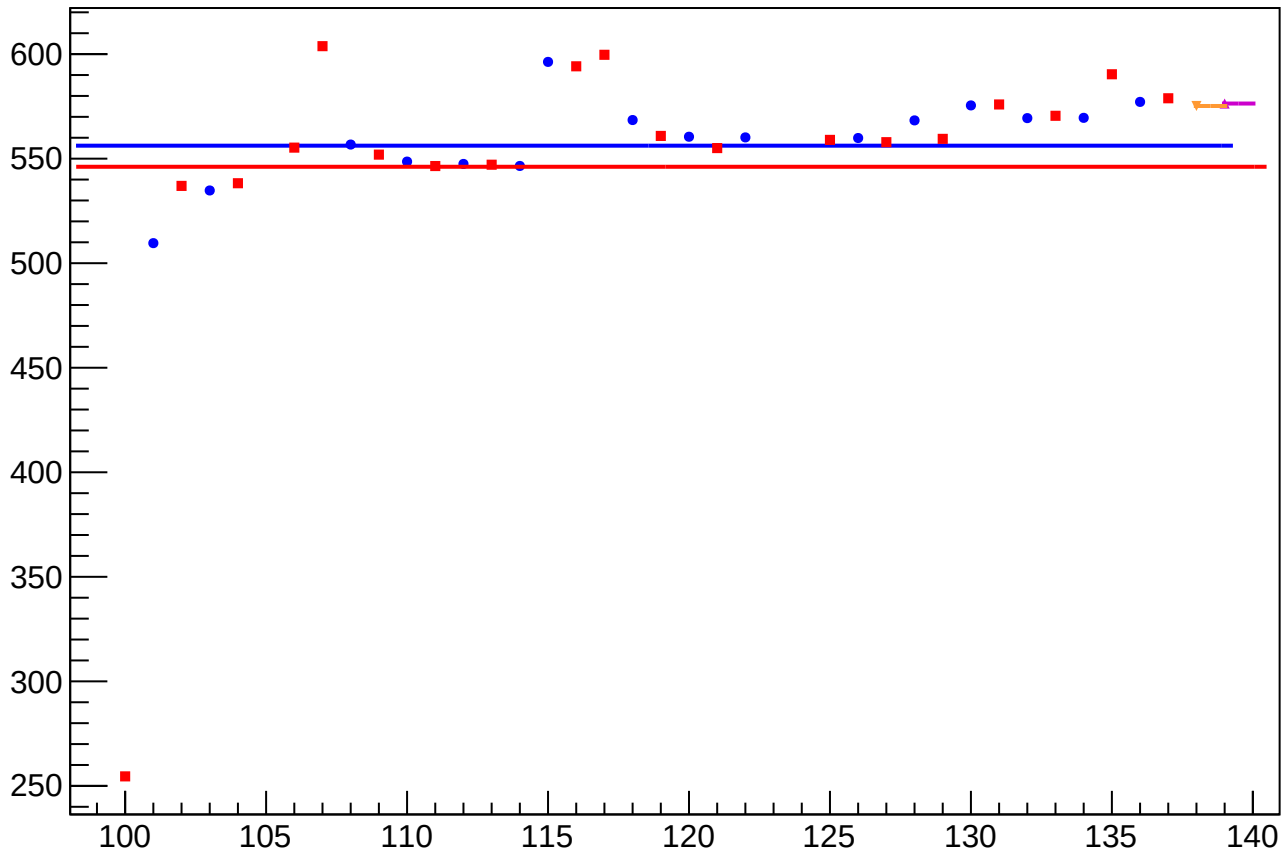
Left In: 128.077 $\pm$ 676.434 χ^2 /NDF: 0.0/0

823.766 $\pm$ 205.613 χ^2 /NDF: 5.8/16

873.818 $\pm$ 142.668 χ^2 /NDF: 20.1/36

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: 575.191 $\pm$ 0.474 χ^2 /NDF: 0.0/0

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

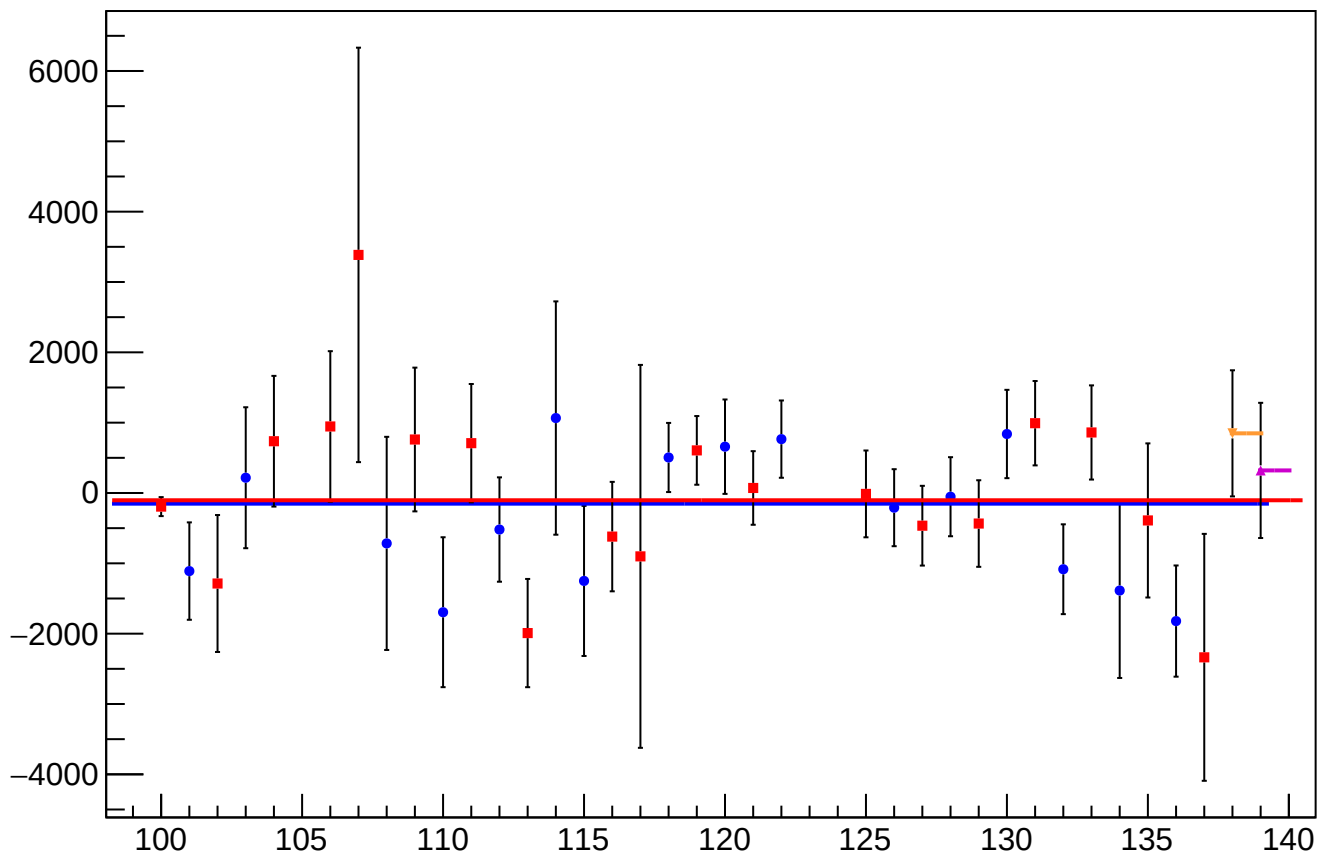
Left In: 576.364 $\pm$ 0.478 χ^2 /NDF: 0.0/0

557.994 $\pm$ 0.145 χ^2 /NDF: 19868.6/16

553.184 $\pm$ 0.101 χ^2 /NDF: 233970.4/36

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: 848.159+/-896.579 χ^2/NDF : 0.0/0

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

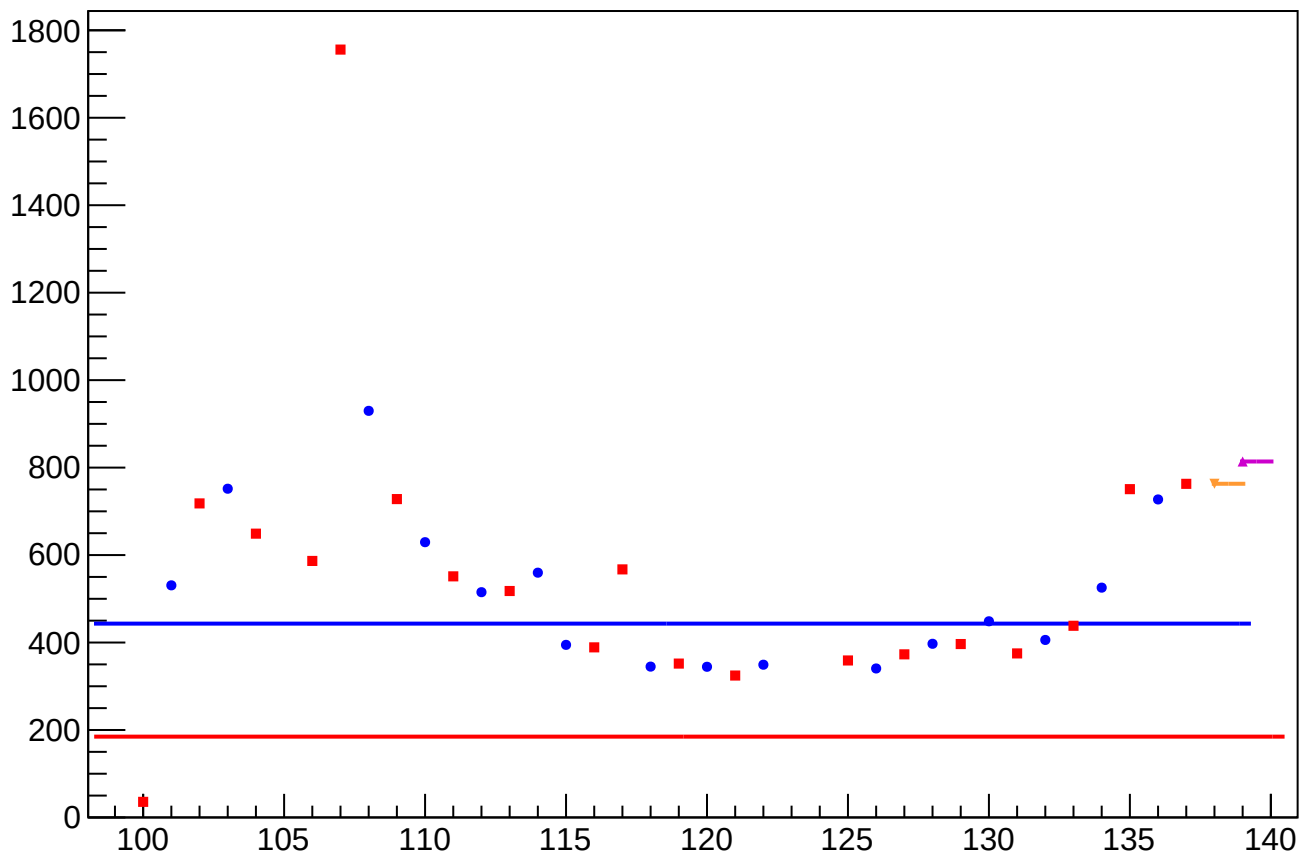
Left In: 321.006+/-961.100 χ^2/NDF : 0.0/0

-112.733+/-176.470 χ^2/NDF : 23.5/16

-102.012+/-91.466 χ^2/NDF : 47.0/36

-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: 763.038+/-0.634 χ^2/NDF : 0.0/0

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

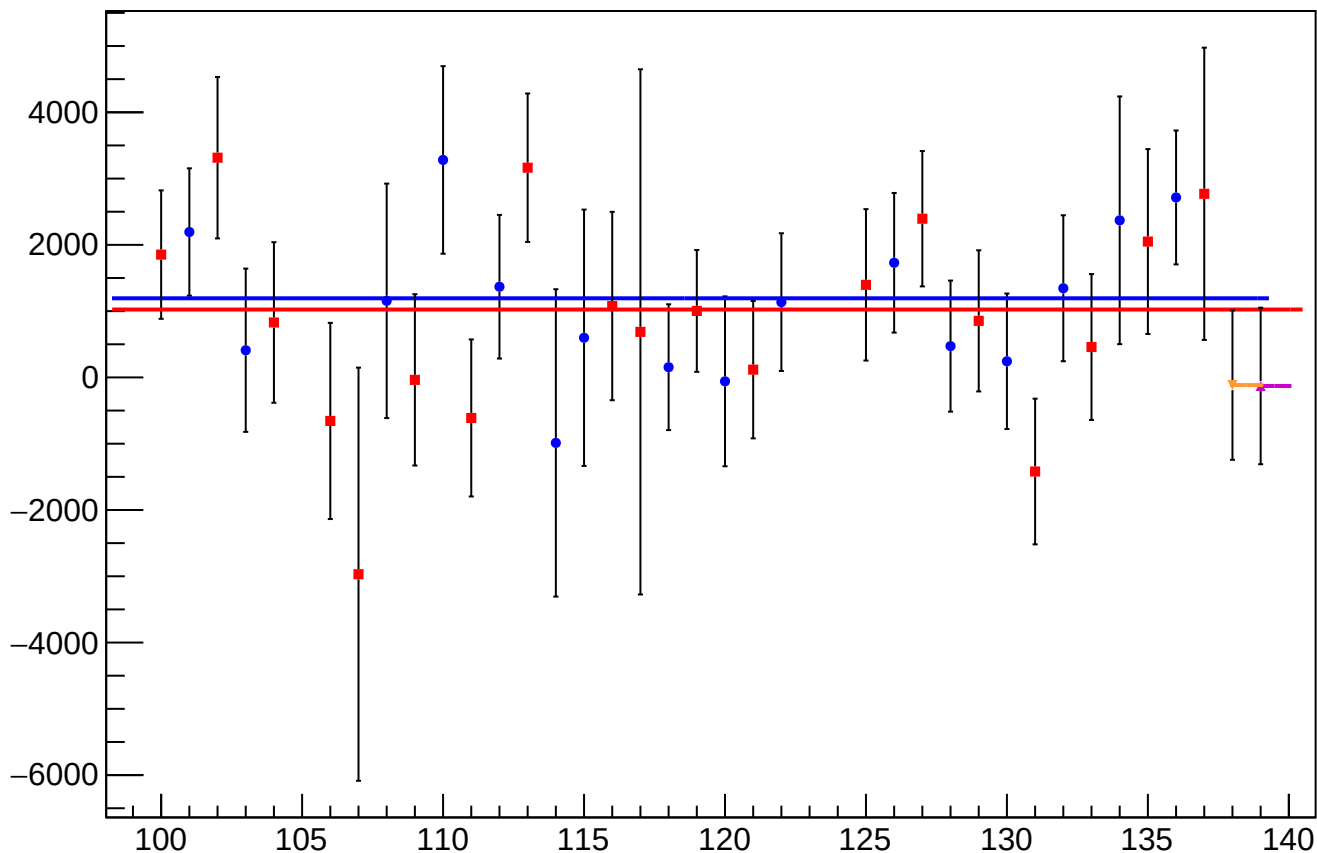
Left In: 813.969+/-0.680 χ^2/NDF : 0.0/0

455.629+/-0.125 χ^2/NDF : 1305378.3/16

263.266+/-0.065 χ^2/NDF : 13520553.1/36

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: -115.385 $\pm$ 1127.600 χ^2 /NDF: 0.0/0

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

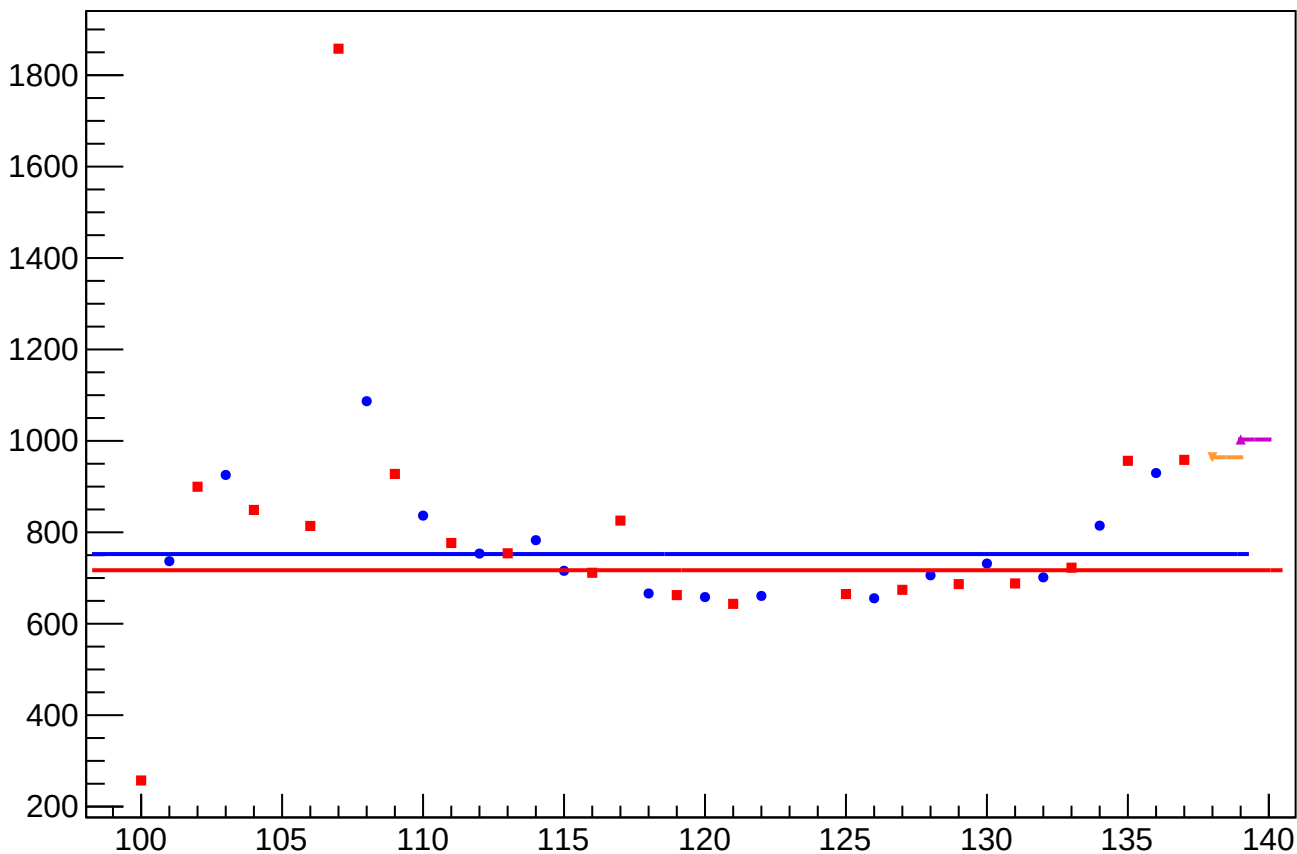
Left In: -128.940 $\pm$ 1180.880 χ^2 /NDF: 0.0/0

1109.956 $\pm$ 285.436 χ^2 /NDF: 12.4/16

1033.083 $\pm$ 197.122 χ^2 /NDF: 36.0/36

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

asym_left_dd_rms vs Slug, Sign Corrected



Right In: 752.429 $\pm$ 0.209 χ^2 /NDF: 252705.1/15

Left Out: 964.109 $\pm$ 0.797 χ^2 /NDF: 0.0/0

Right Out: 717.067 $\pm$ 0.198 χ^2 /NDF: 968442.7/18

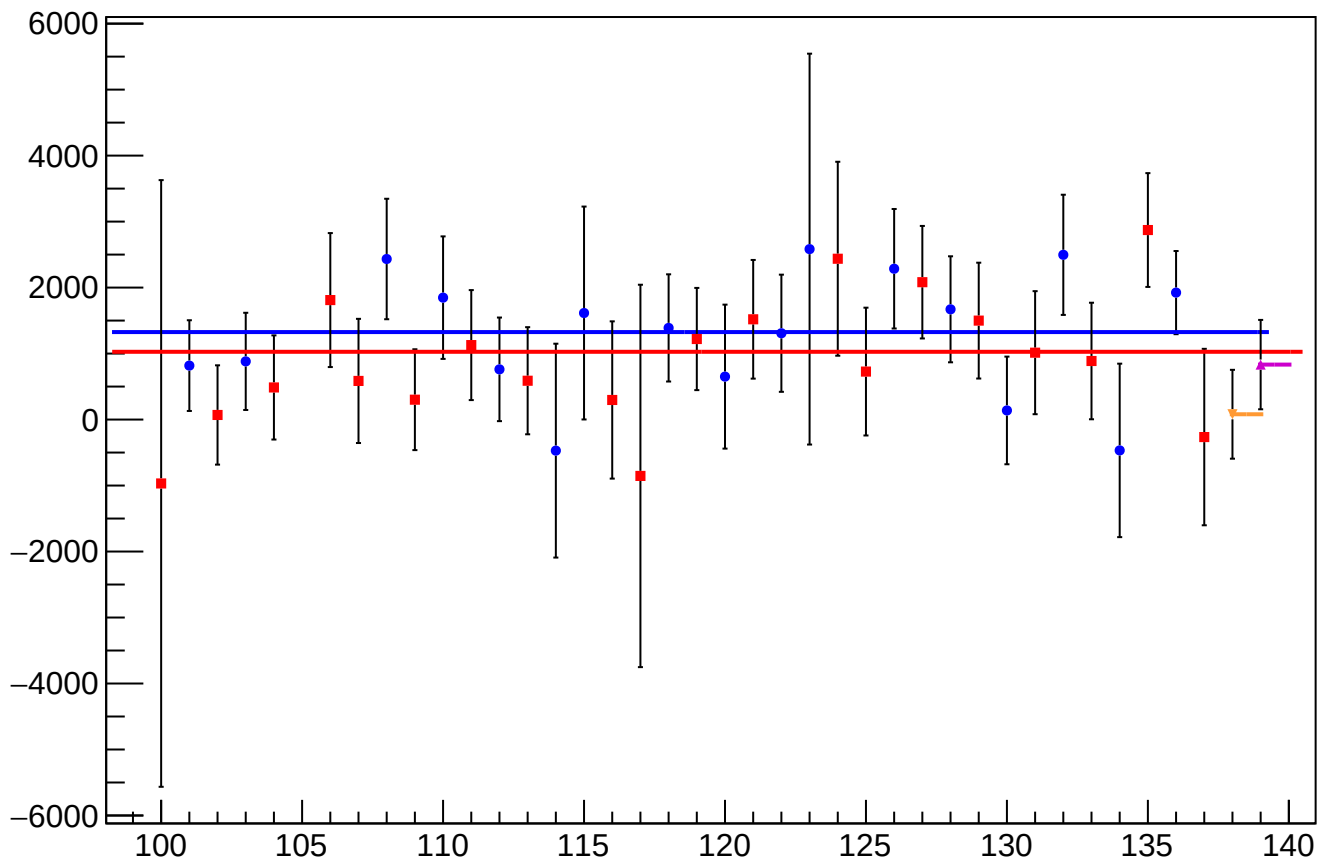
Left In: 1002.979 $\pm$ 0.835 χ^2 /NDF: 0.0/0

765.993 $\pm$ 0.202 χ^2 /NDF: 318671.5/16

748.368 $\pm$ 0.139 χ^2 /NDF: 1412687.8/36

732.298 $\pm$ 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: 80.287 $\pm$ 673.337 χ^2 /NDF: 0.0/0

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

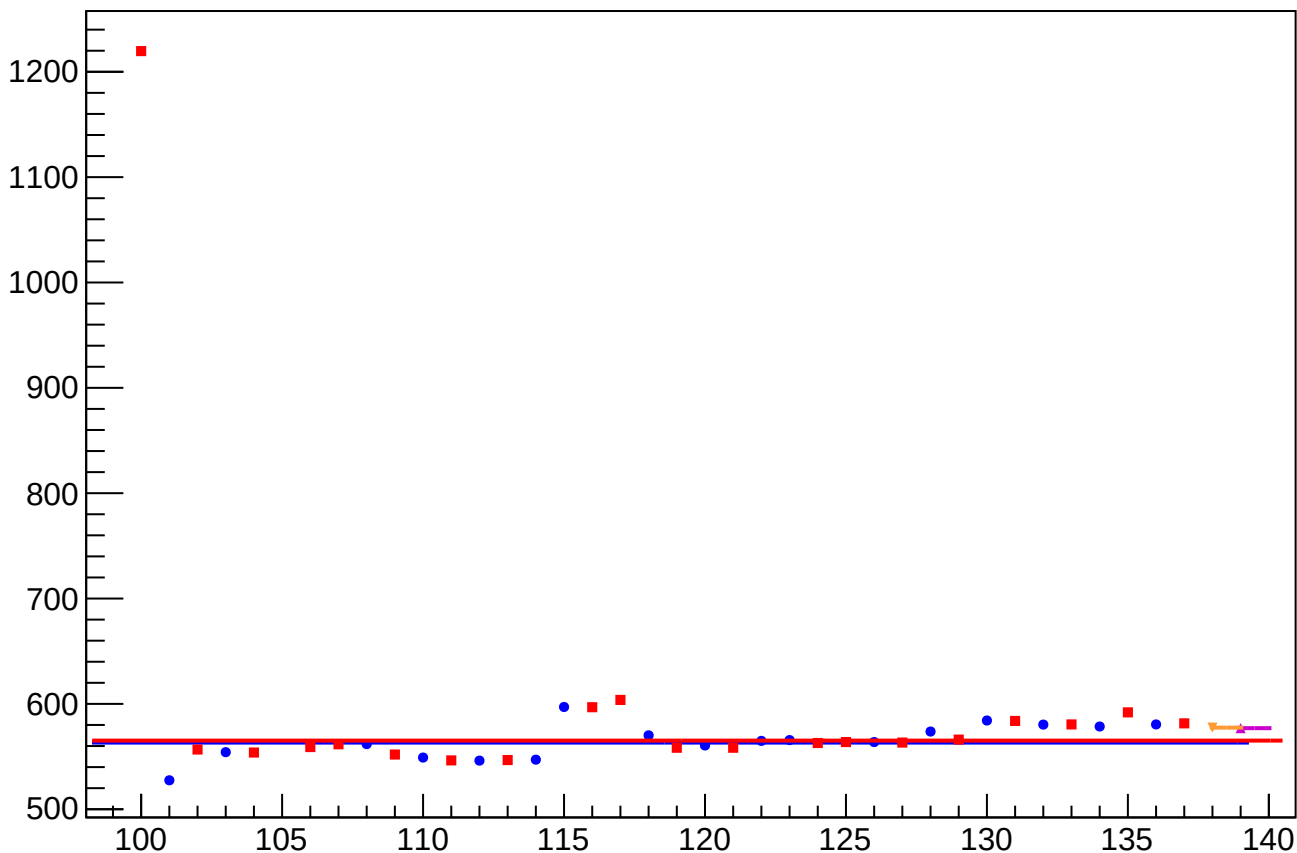
Left In: 832.910 $\pm$ 677.123 χ^2 /NDF: 0.0/0

1207.505 $\pm$ 207.492 χ^2 /NDF: 16.0/17

1105.747 $\pm$ 144.541 χ^2 /NDF: 30.4/38

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

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 577.476+/-0.476 χ^2/NDF : 0.0/0

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

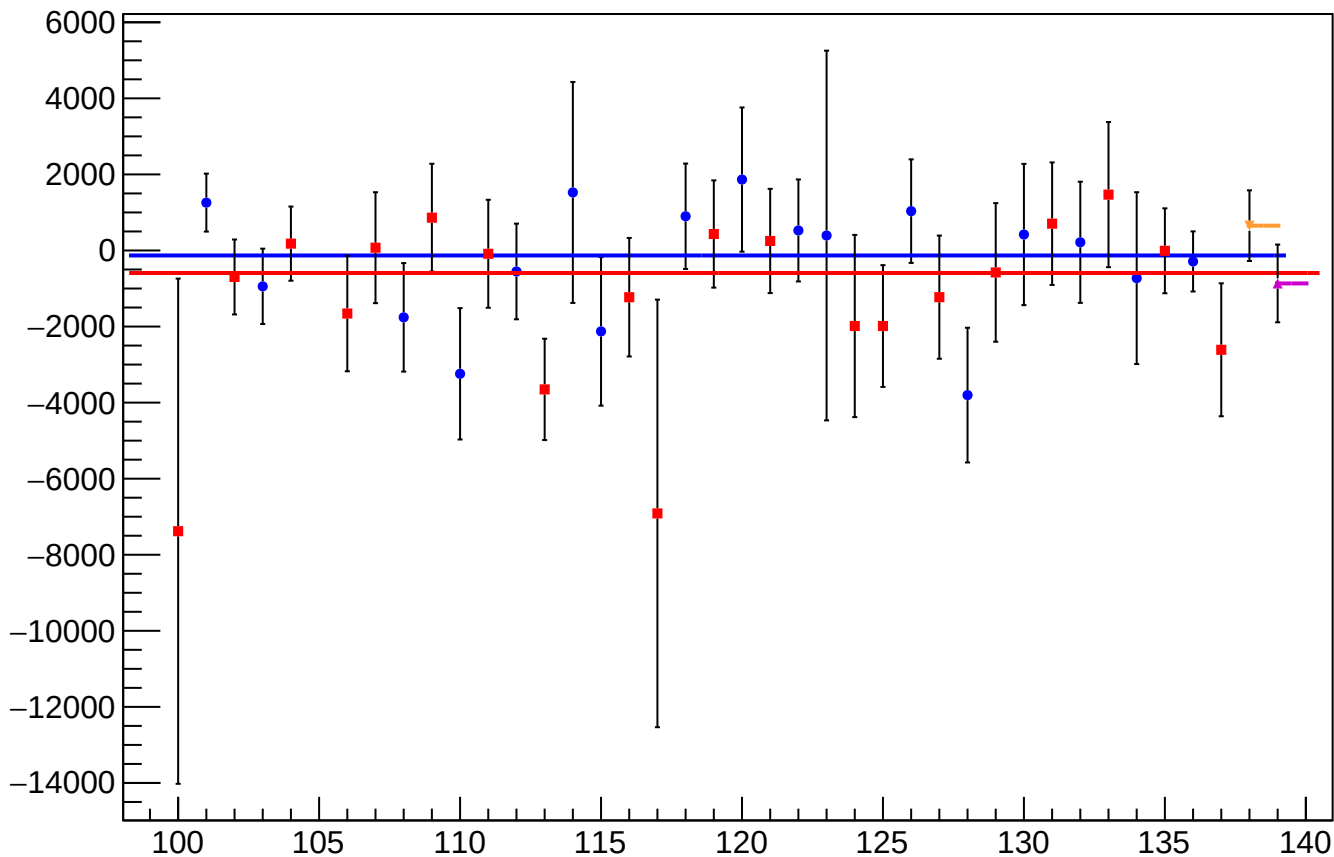
Left In: 576.953+/-0.479 χ^2/NDF : 0.0/0

564.615+/-0.147 χ^2/NDF : 13326.5/17

565.428+/-0.102 χ^2/NDF : 63593.2/38

566.195+/-0.142 χ^2/NDF : 50207.1/20

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 652.832 $\pm$ 928.488 χ^2 /NDF:0.0/0

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

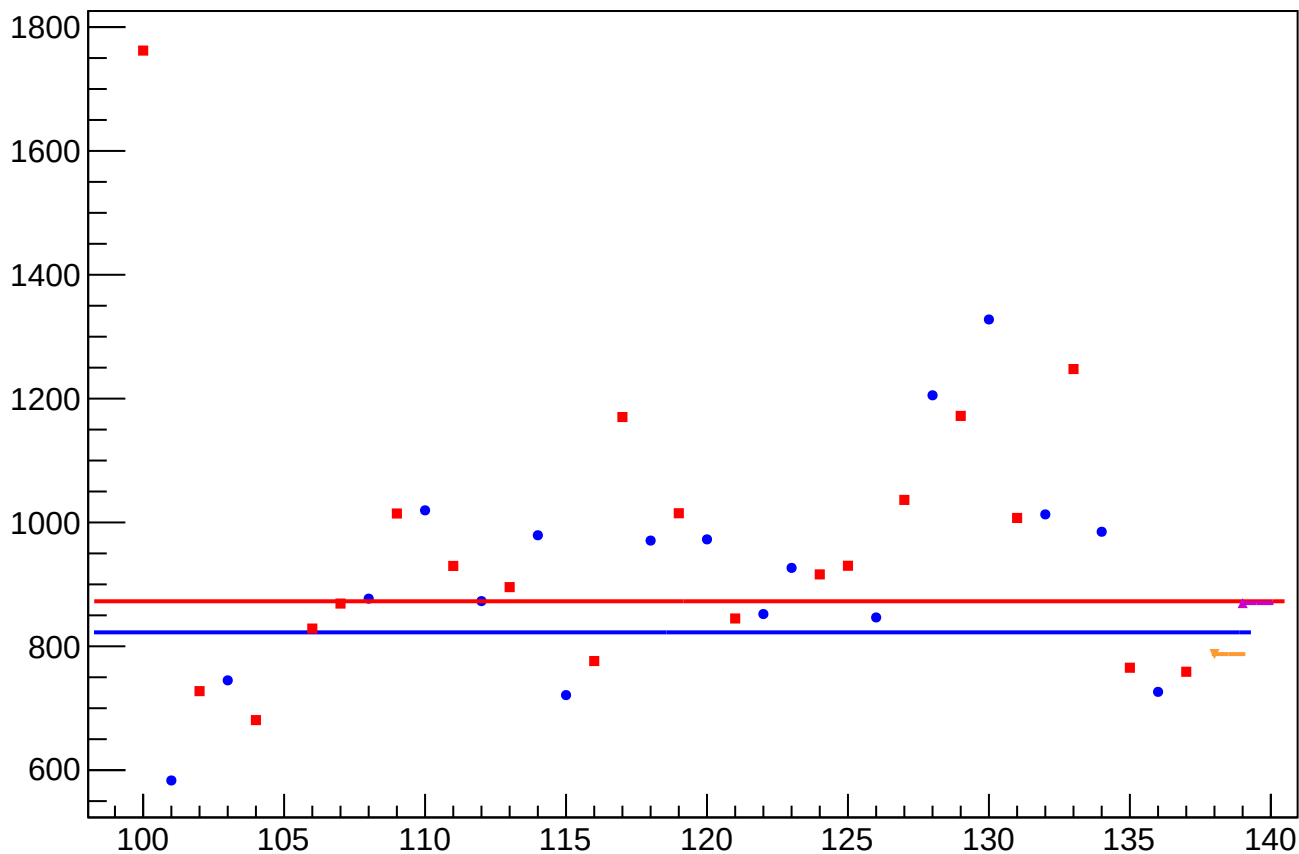
Left In: -866.530 $\pm$ 1021.714 χ^2 /NDF:0.0/0

-44.316 $\pm$ 308.924 χ^2 /NDF: 17.9/17

-325.100 $\pm$ 220.764 χ^2 /NDF: 35.5/38

-618.147 $\pm$ 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: 787.433+/-0.657 χ^2/NDF : 0.0/0

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

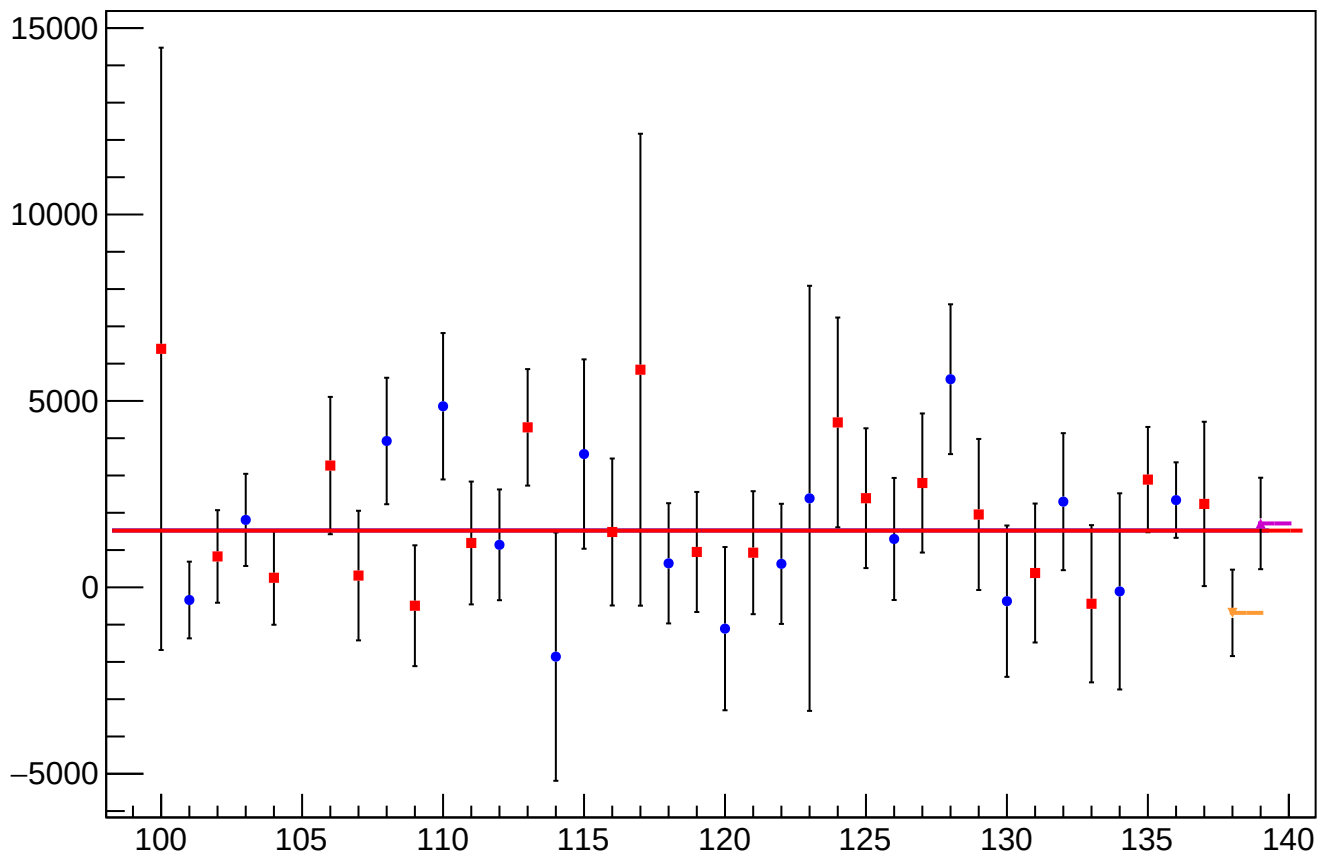
Left In: 869.810+/-0.722 χ^2/NDF : 0.0/0

818.642+/-0.218 χ^2/NDF : 603497.1/17

844.967+/-0.156 χ^2/NDF : 1045674.0/38

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: -684.499+/-1158.998 χ^2/NDF : 0.0/0

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

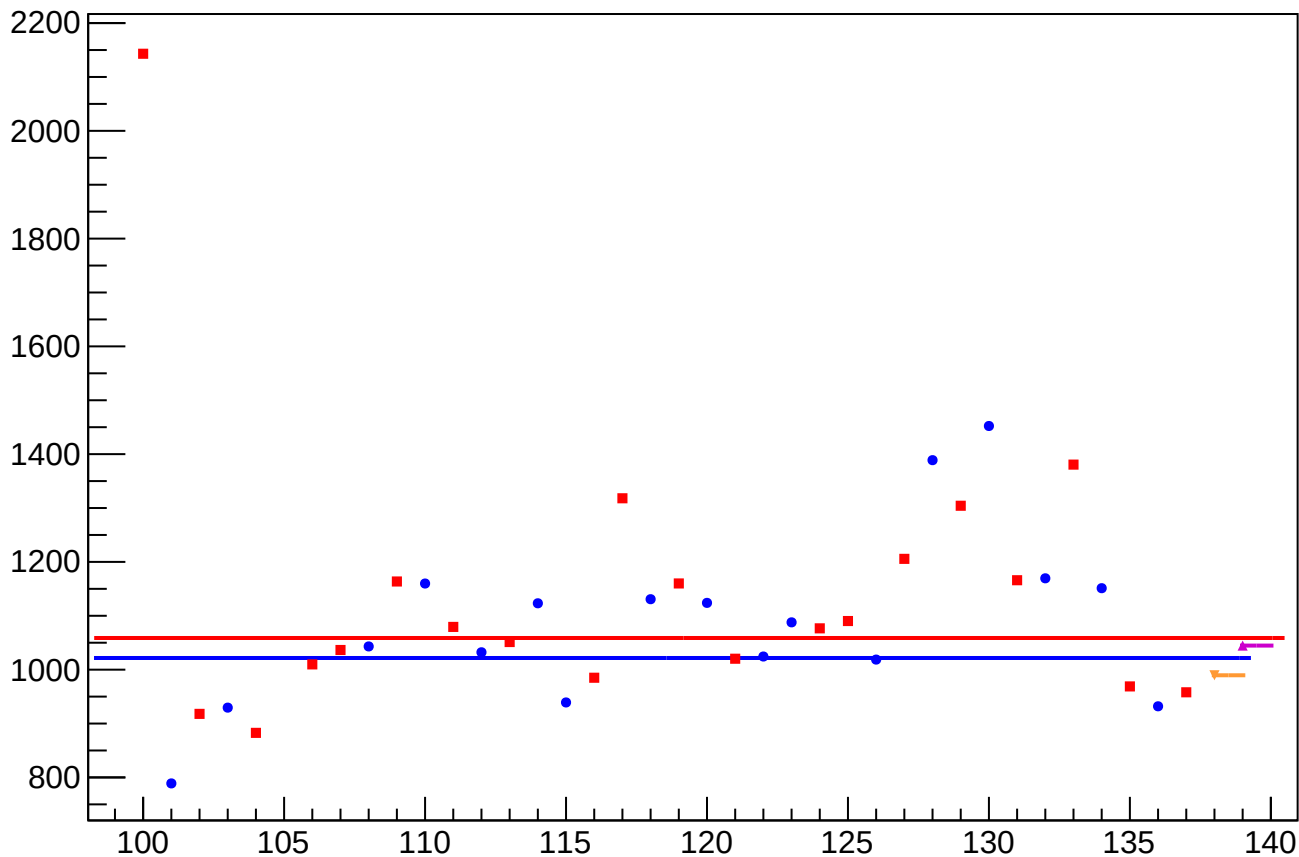
Left In: 1713.929+/-1226.605 χ^2/NDF : 0.0/0

1288.377+/-379.620 χ^2/NDF : 21.5/17

1414.234+/-268.412 χ^2/NDF : 34.3/38

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: 989.584+/-0.820 χ^2/NDF : 0.0/0

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

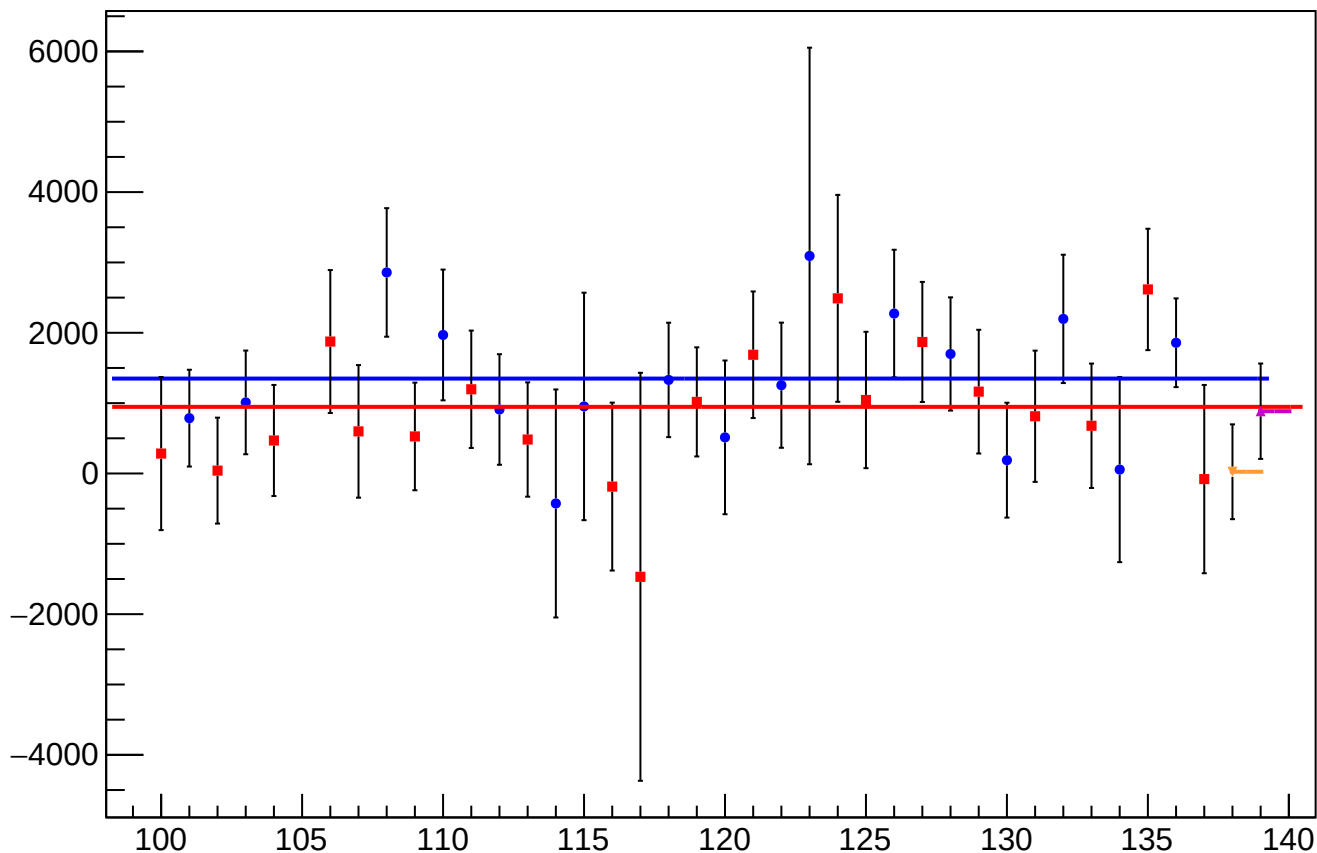
Left In: 1044.683+/-0.867 χ^2/NDF : 0.0/0

1018.223+/-0.268 χ^2/NDF : 333317.2/17

1037.831+/-0.190 χ^2/NDF : 578540.8/38

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: 24.372 $\pm$ 674.105 χ^2 /NDF: 0.0/0

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

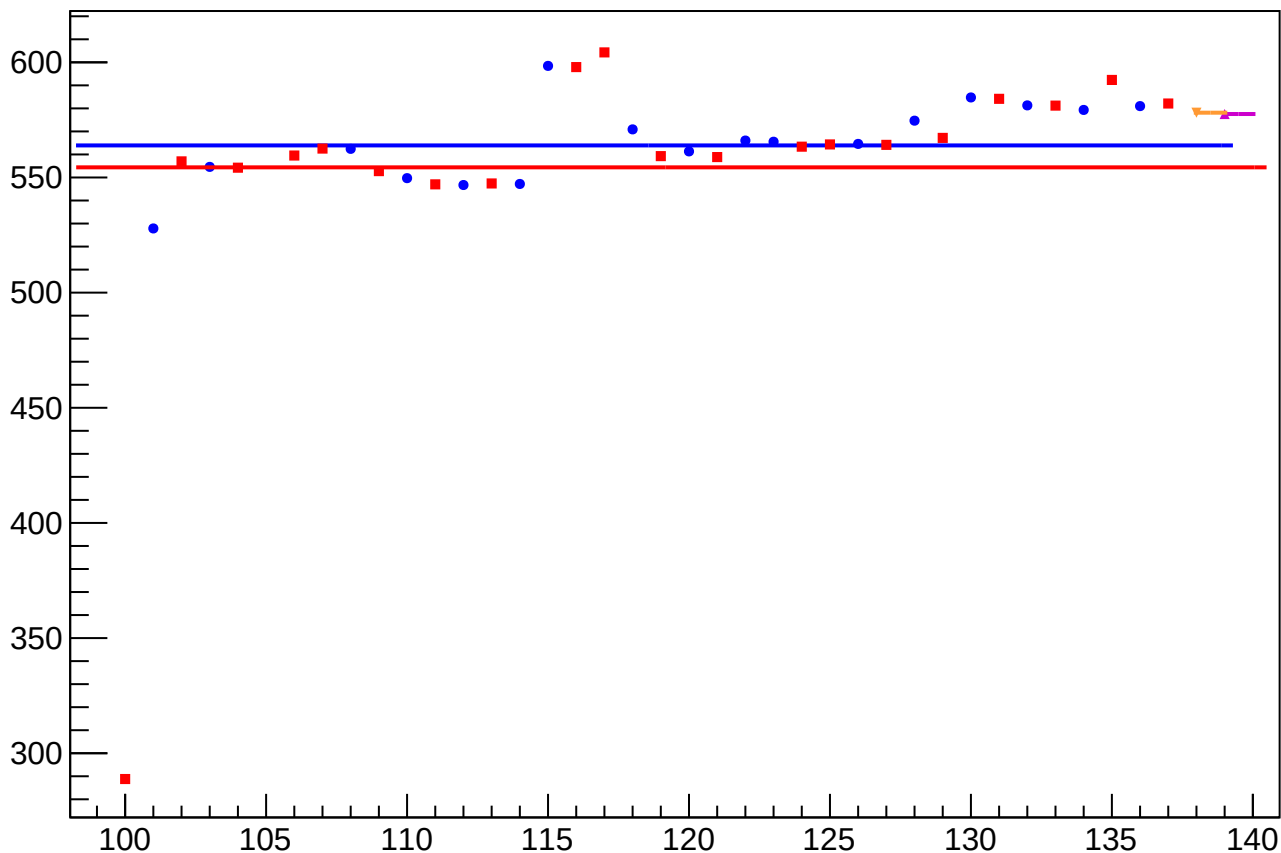
Left In: 885.007 $\pm$ 677.835 χ^2 /NDF: 0.0/0

1223.348 $\pm$ 207.735 χ^2 /NDF: 15.8/17

1076.145 $\pm$ 143.517 χ^2 /NDF: 29.7/38

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

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 578.134 $\pm$ 0.477 χ^2 /NDF: 0.0/0

Right Out: 554.402 $\pm$ 0.147 χ^2 /NDF: 132560.6/19

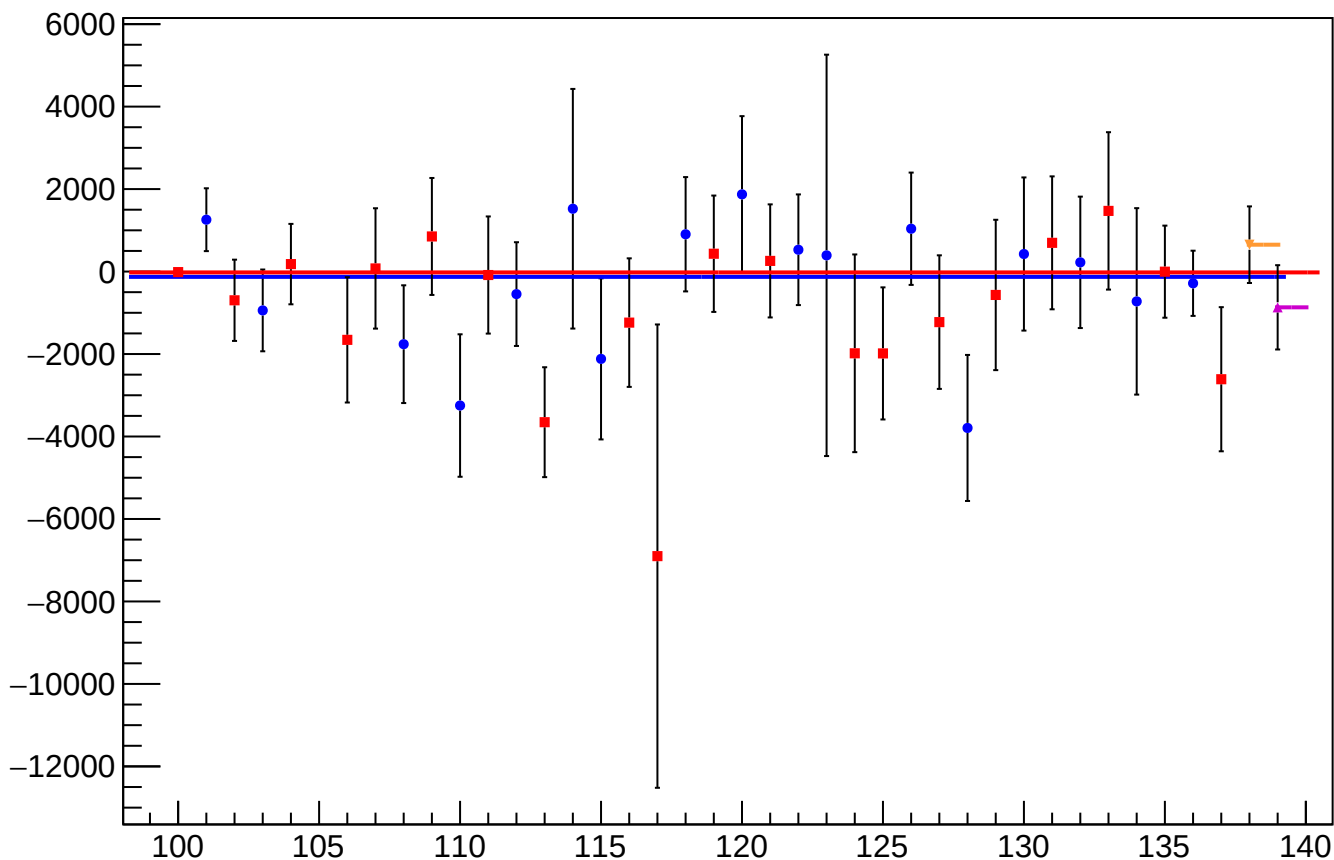
Left In: 577.559 $\pm$ 0.479 χ^2 /NDF: 0.0/0

565.272 $\pm$ 0.147 χ^2 /NDF: 13467.6/17

560.628 $\pm$ 0.101 χ^2 /NDF: 150074.5/38

556.388 $\pm$ 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: 651.326+/-928.907 χ^2/NDF : 0.0/0

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

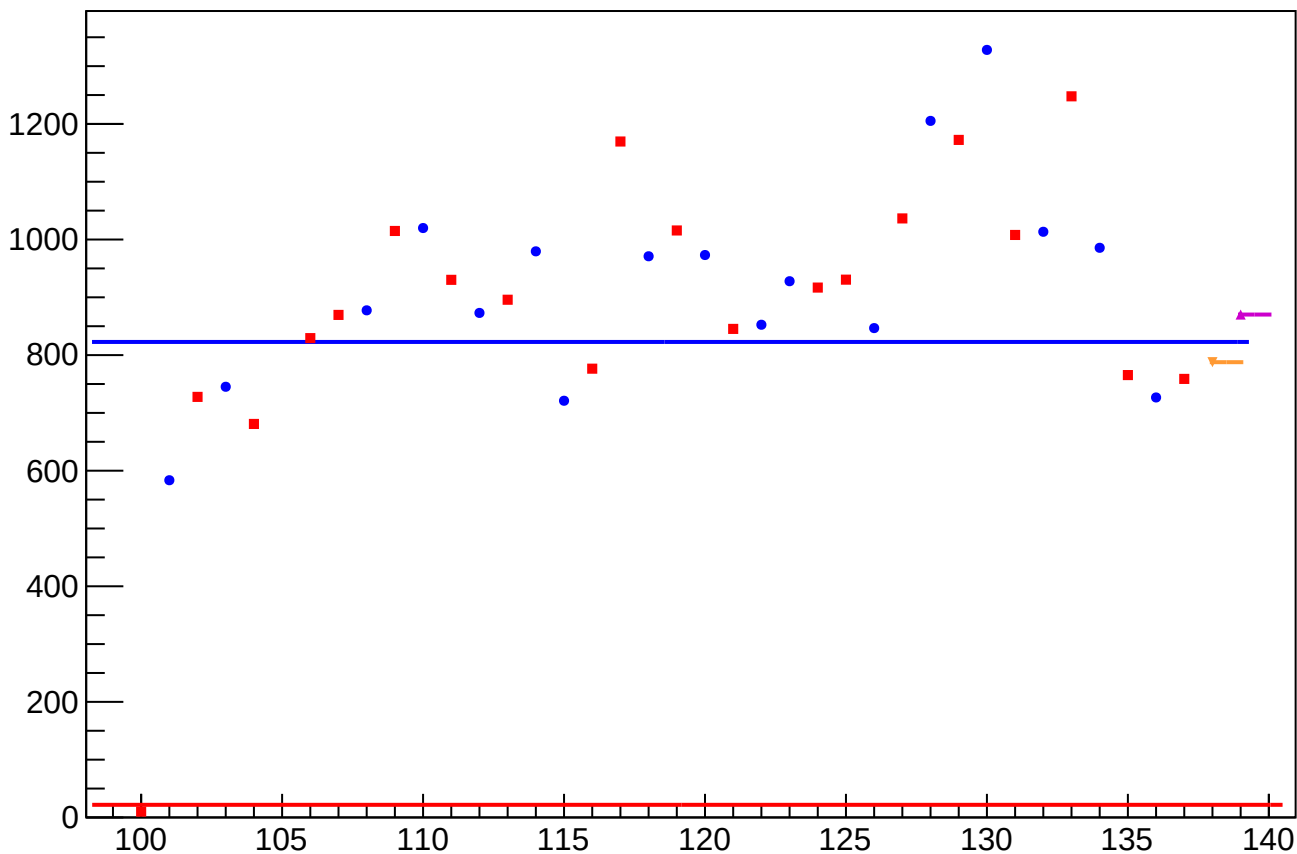
Left In: -867.645+/-1022.140 χ^2/NDF : 0.0/0

-42.395+/-309.023 χ^2/NDF : 17.8/17

-22.262+/-38.620 χ^2/NDF : 36.1/38

-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: 787.769 $\pm$ 0.657 χ^2 /NDF: 0.0/0

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

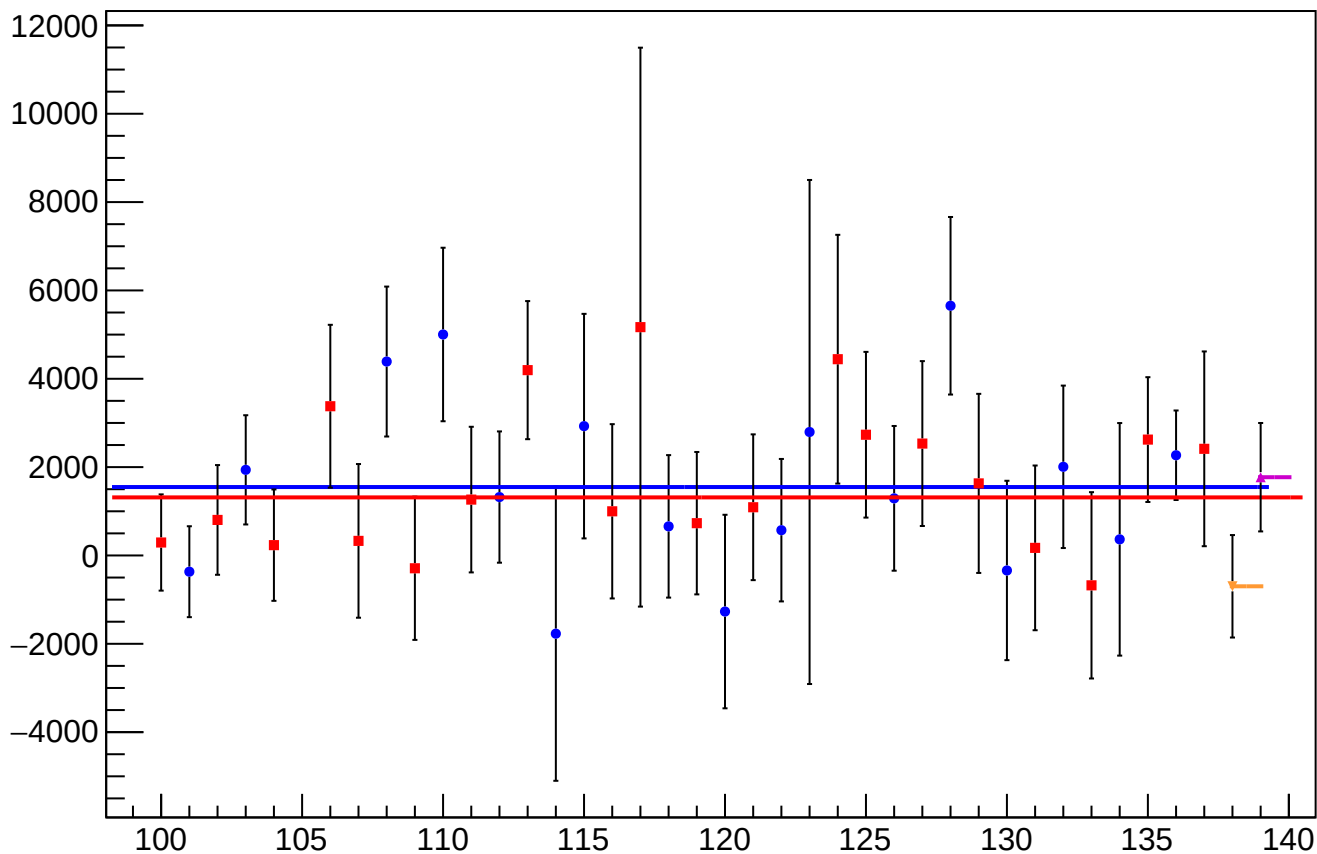
Left In: 870.174 $\pm$ 0.723 χ^2 /NDF: 0.0/0

818.905 $\pm$ 0.219 χ^2 /NDF: 603400.5/17

35.527 $\pm$ 0.027 χ^2 /NDF: 28642567.6/38

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: -698.107 $\pm$ 1159.824 χ^2 /NDF: 0.0/0

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

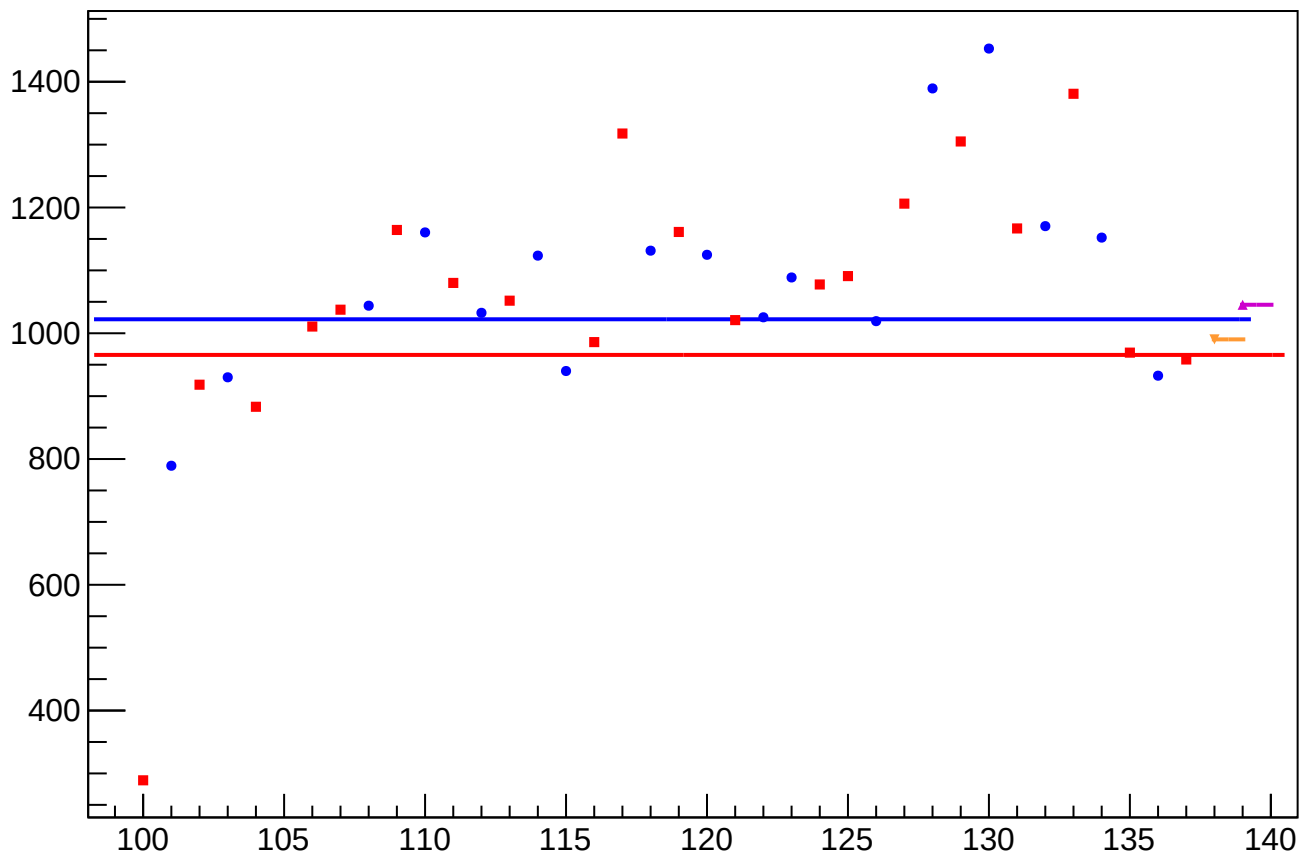
Left In: 1771.660 $\pm$ 1227.358 χ^2 /NDF: 0.0/0

1307.875 $\pm$ 379.839 χ^2 /NDF: 22.3/17

1332.061 $\pm$ 260.895 χ^2 /NDF: 35.4/38

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: 990.284+/-0.820 χ^2/NDF : 0.0/0

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

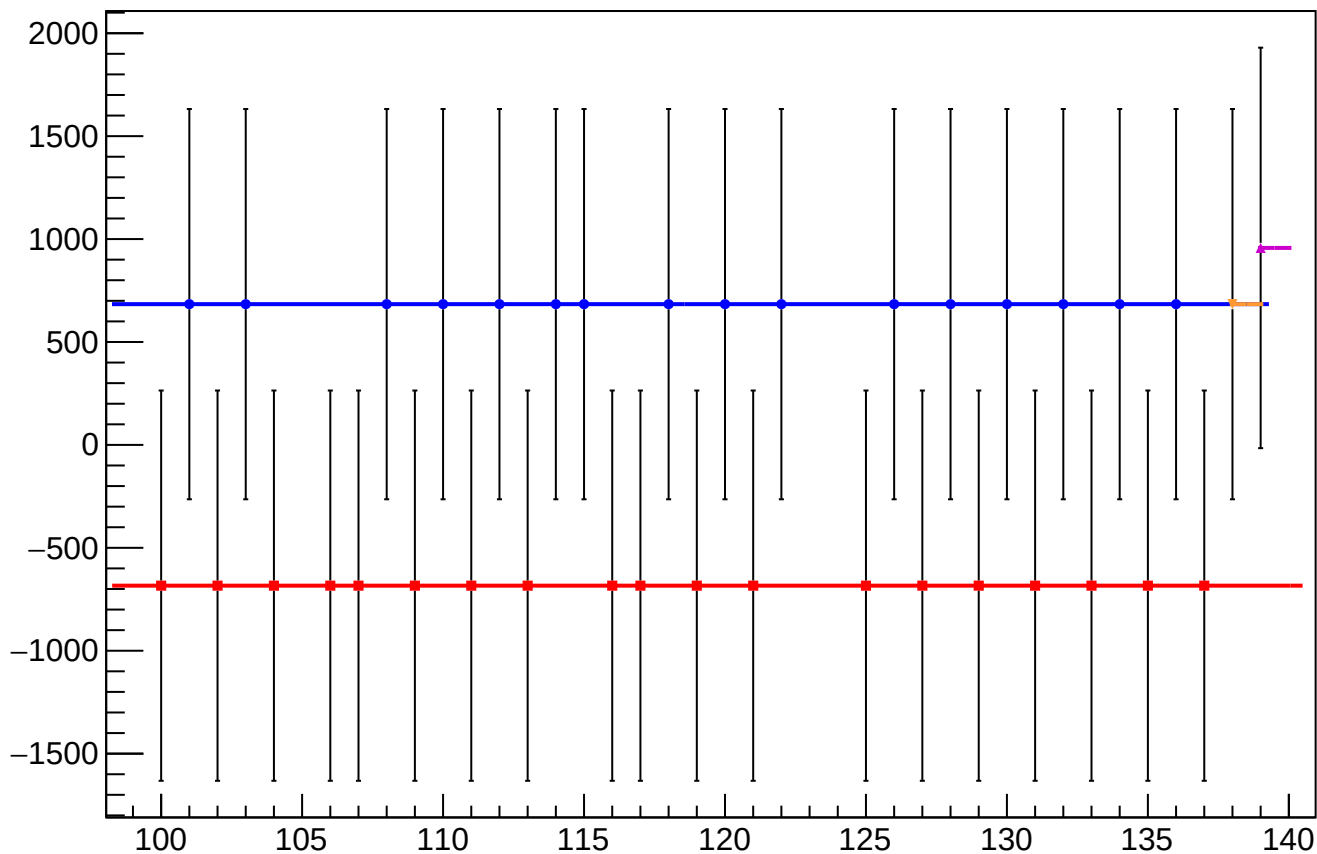
Left In: 1045.328+/-0.868 χ^2/NDF : 0.0/0

1018.814+/-0.269 χ^2/NDF : 333221.4/17

994.295+/-0.184 χ^2/NDF : 1430218.2/38

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: 683.821 $\pm$ 948.043 χ^2/NDF : 0.0/0

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

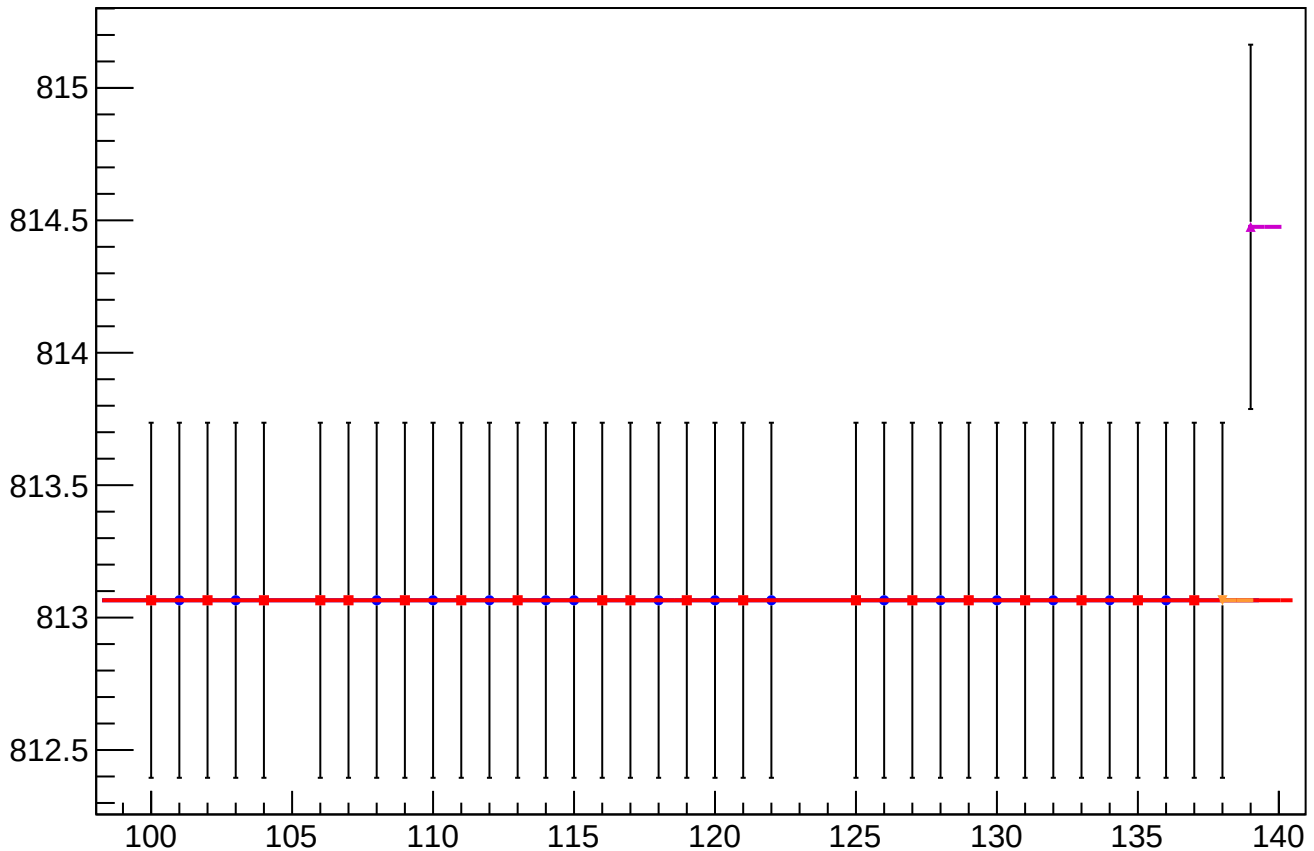
Left In: 956.987 $\pm$ 972.849 χ^2/NDF : 0.0/0

683.821 $\pm$ 229.934 χ^2/NDF : 0.0/16

-12.418 $\pm$ 155.963 χ^2/NDF : 19.7/36

-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: 813.065 $\pm$ 0.670 χ^2 /NDF: 0.0/0

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

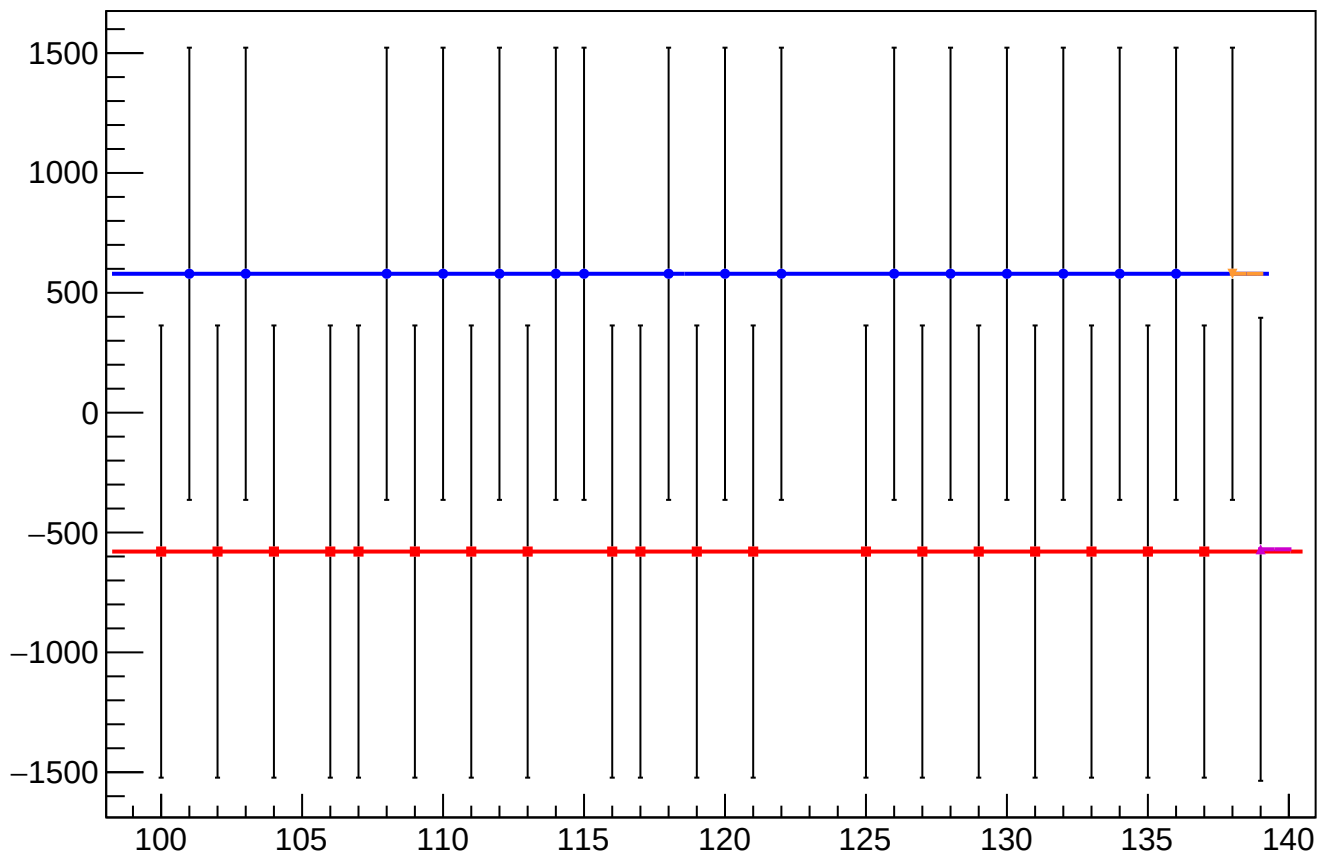
Left In: 814.475 $\pm$ 0.688 χ^2 /NDF: 0.0/0

813.065 $\pm$ 0.163 χ^2 /NDF: 0.0/16

813.102 $\pm$ 0.110 χ^2 /NDF: 4.1/36

813.133 $\pm$ 0.150 χ^2 /NDF: 4.0/19

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: 579.419 $\pm$ 235.812 χ^2 /NDF: 0.0/15

Left Out: 579.419 $\pm$ 943.249 χ^2 /NDF: 0.0/0

Right Out: -579.419 $\pm$ 216.396 χ^2 /NDF: 0.0/18

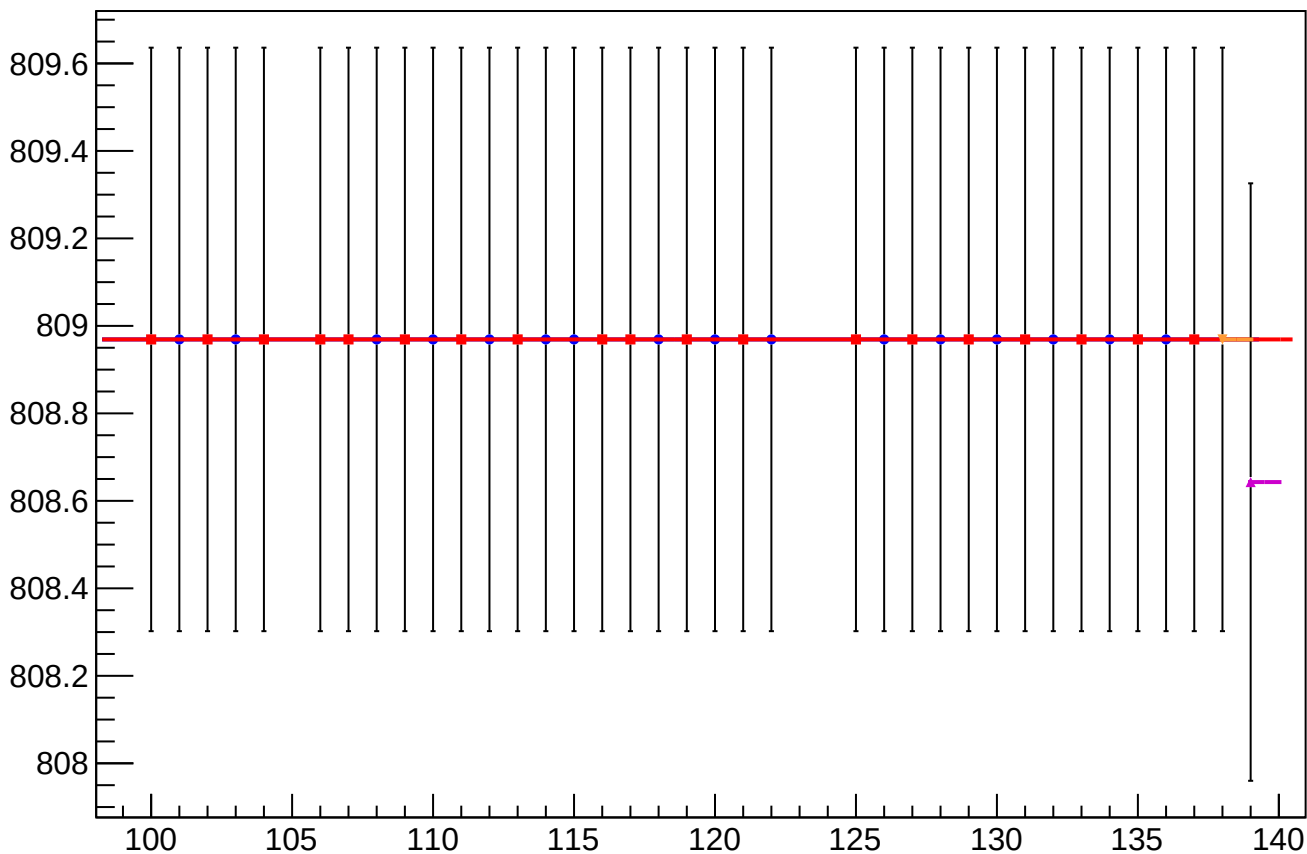
Left In: -569.933 $\pm$ 965.829 χ^2 /NDF: 0.0/0

579.419 $\pm$ 228.771 χ^2 /NDF: 0.0/16

-46.069 $\pm$ 155.166 χ^2 /NDF: 13.8/36

-578.966 $\pm$ 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: 808.969 $\pm$ 0.667 χ^2 /NDF: 0.0/0

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

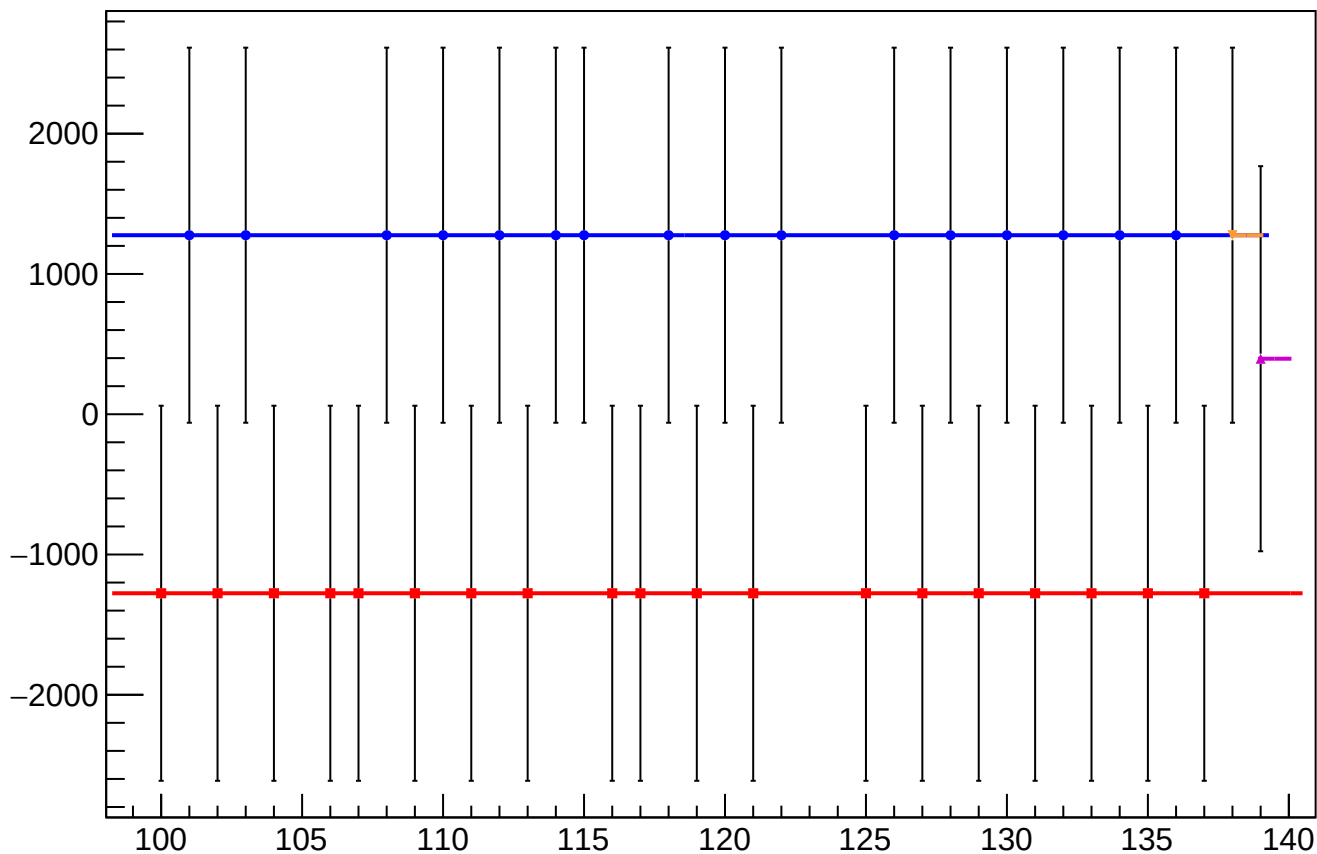
Left In: 808.643 $\pm$ 0.683 χ^2 /NDF: 0.0/0

808.969 $\pm$ 0.162 χ^2 /NDF: 0.0/16

808.961 $\pm$ 0.110 χ^2 /NDF: 0.2/36

808.953 $\pm$ 0.149 χ^2 /NDF: 0.2/19

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1276.244+/-334.229 χ^2/NDF : 0.0/15

Left Out: 1276.244+/-1336.917 χ^2/NDF : 0.0/0

Right Out: -1276.244+/-306.710 χ^2/NDF : 0.0/18

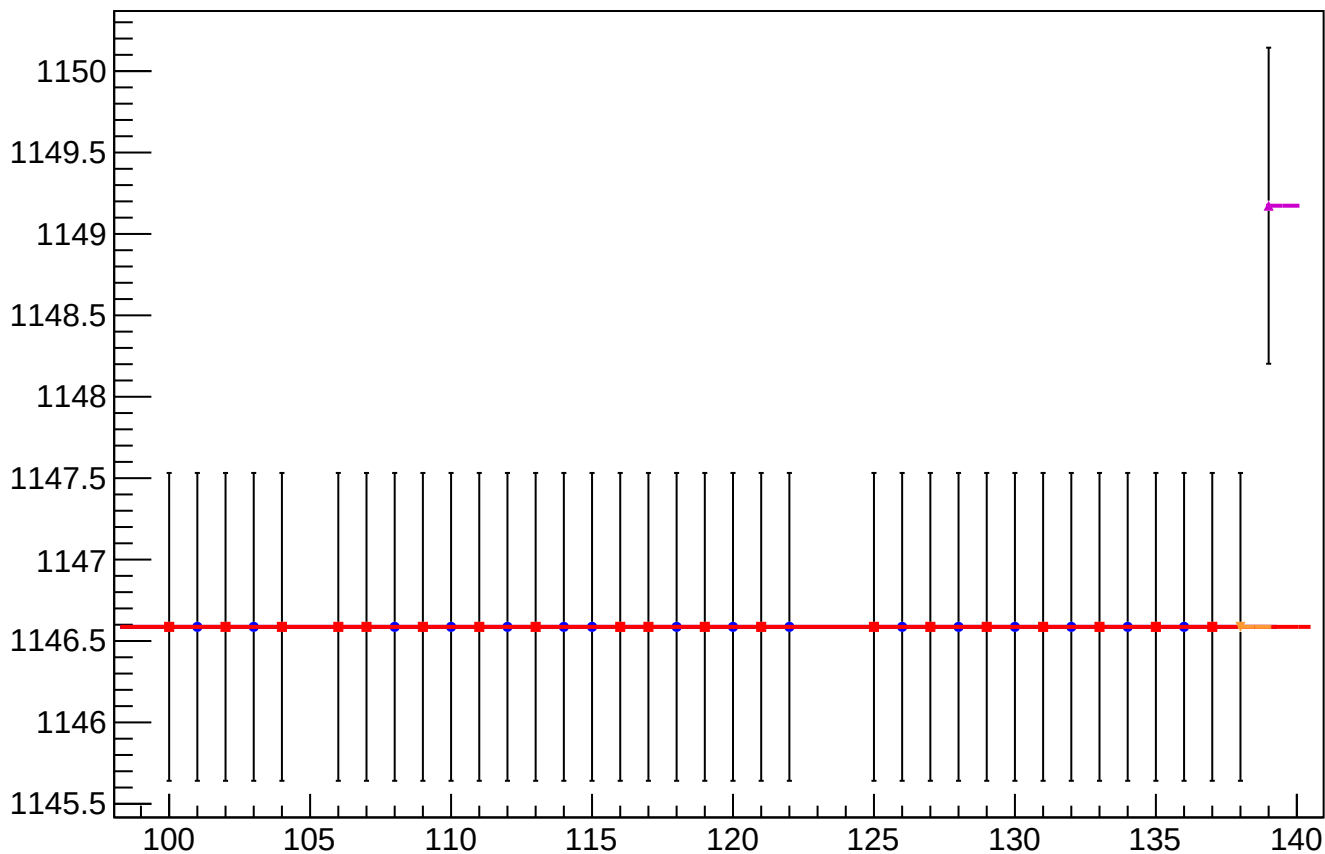
Left In: 395.771+/-1372.589 χ^2/NDF : 0.0/0

1276.244+/-324.250 χ^2/NDF : 0.0/16

-58.920+/-219.940 χ^2/NDF : 32.8/36

-1196.728+/-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: 1146.587 ± 0.945 χ^2/NDF : 0.0/0

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

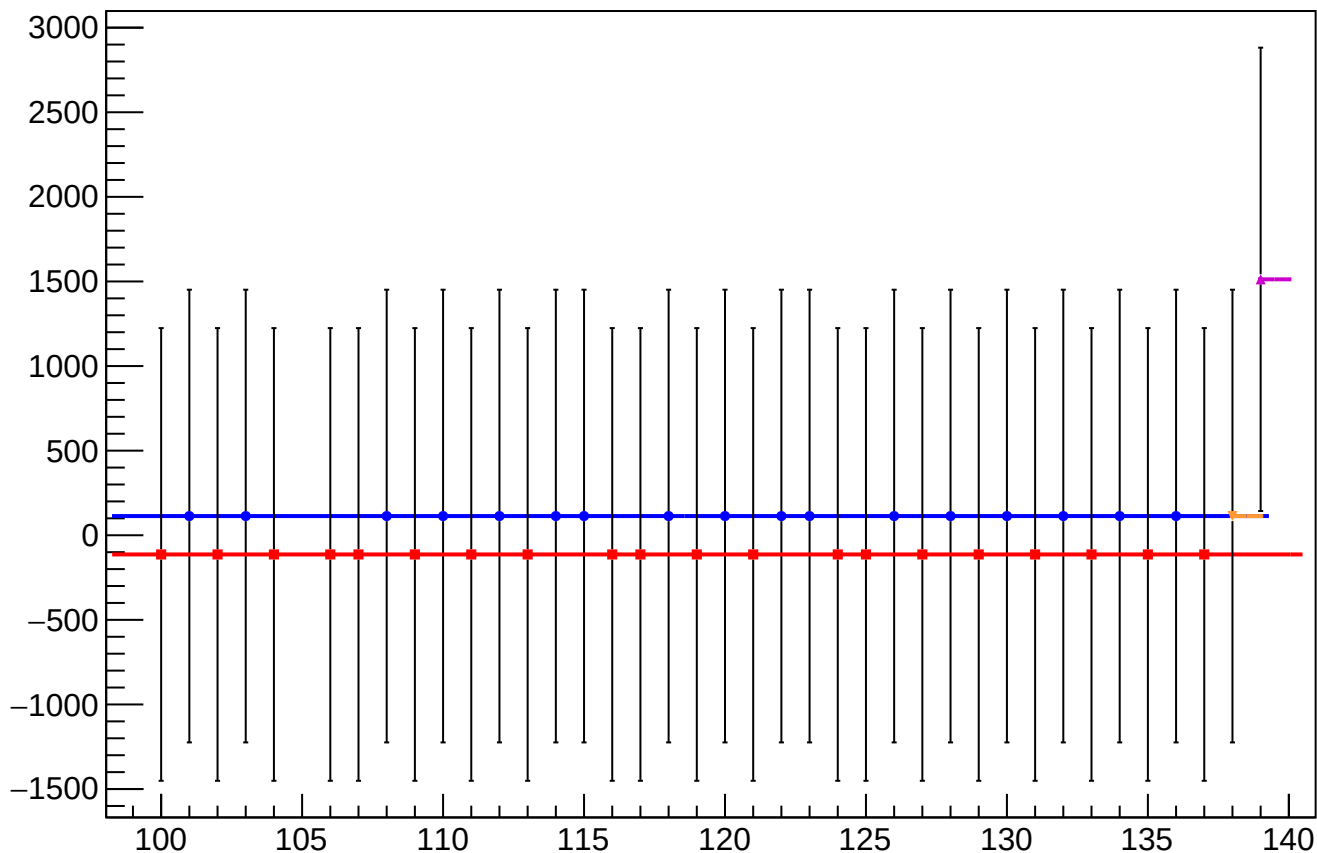
Left In: 1149.173 ± 0.971 χ^2/NDF : 0.0/0

1146.587 ± 0.229 χ^2/NDF : 0.0/16

1146.653 ± 0.156 χ^2/NDF : 6.9/36

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: 113.423+/-1337.793 χ^2/NDF : 0.0/0

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

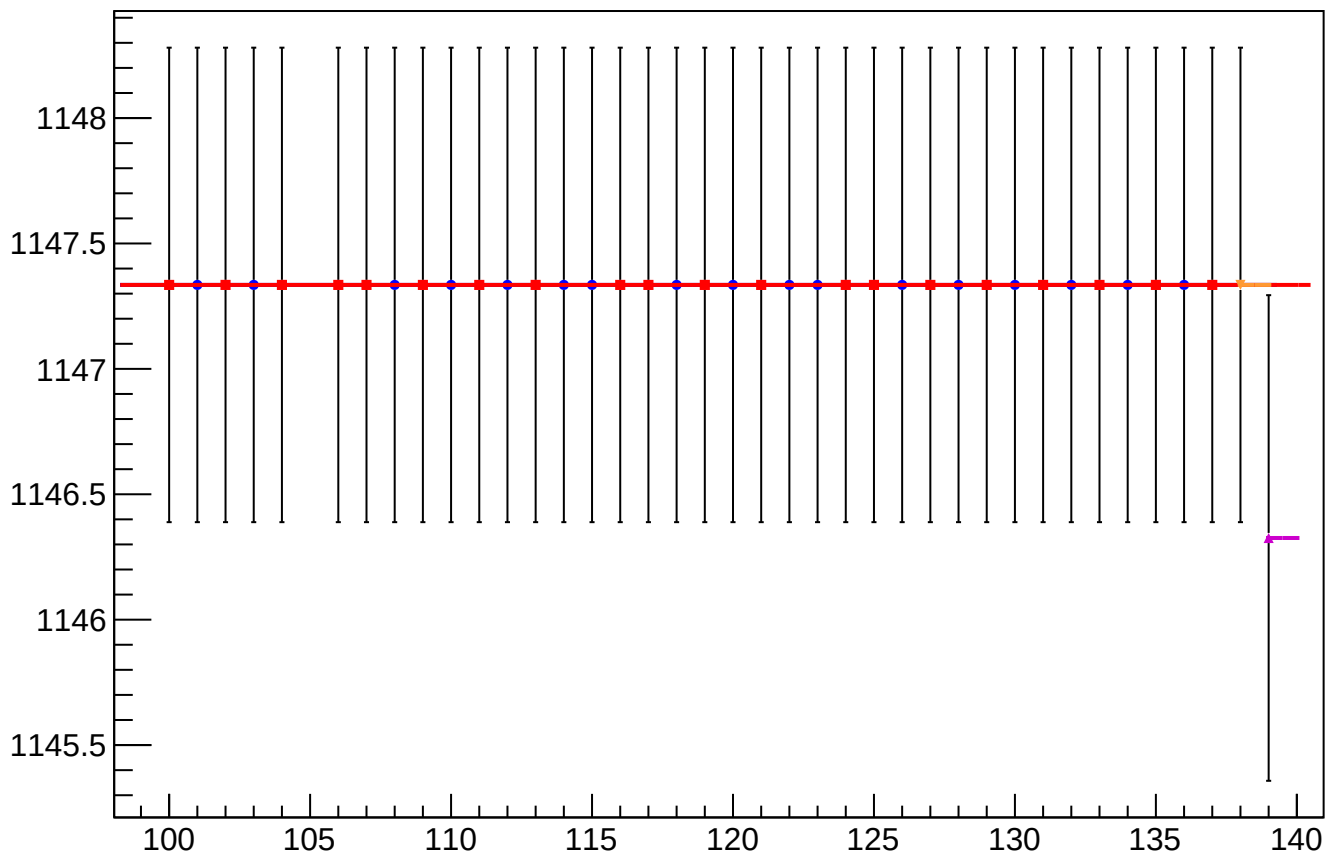
Left In: 1512.548+/-1369.181 χ^2/NDF : 0.0/0

113.423+/-315.321 χ^2/NDF : 0.0/17

31.245+/-214.343 χ^2/NDF : 1.5/38

-39.345+/-292.246 χ^2/NDF : 1.3/20

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1147.335 $\pm$ 0.229 χ^2 /NDF: 0.0/16

Left Out: 1147.335 $\pm$ 0.946 χ^2 /NDF: 0.0/0

Right Out: 1147.335 $\pm$ 0.212 χ^2 /NDF: 0.0/19

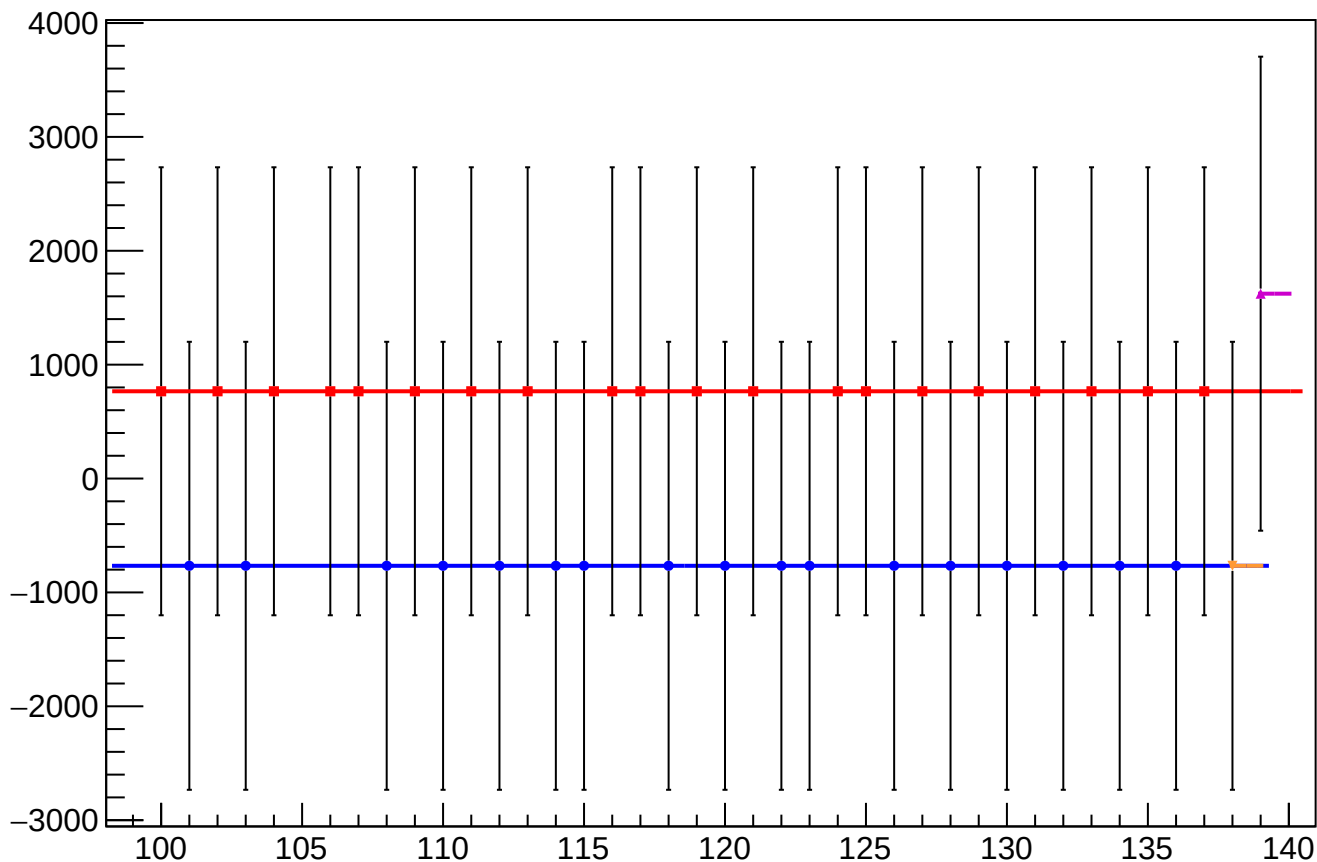
Left In: 1146.326 $\pm$ 0.968 χ^2 /NDF: 0.0/0

1147.335 $\pm$ 0.223 χ^2 /NDF: 0.0/17

1147.310 $\pm$ 0.152 χ^2 /NDF: 1.1/38

1147.289 $\pm$ 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: -766.254+/-1967.001 χ^2/NDF : 0.0/0

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

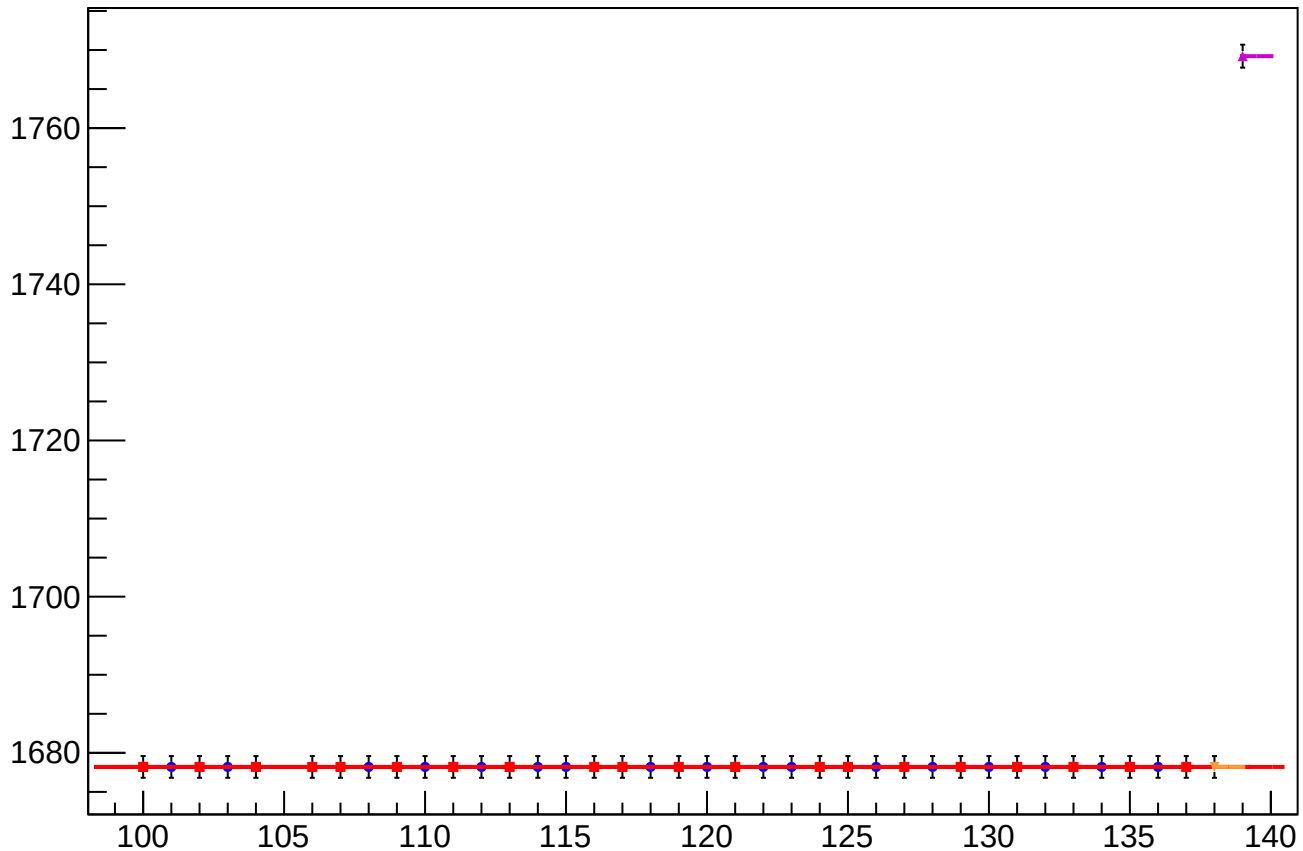
Left In: 1623.244+/-2081.283 χ^2/NDF : 0.0/0

-766.254+/-463.627 χ^2/NDF : 0.0/17

76.681+/-315.404 χ^2/NDF : 6.3/38

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: 1678.197 $\pm$ 1.391 χ^2 /NDF: 0.0/0

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

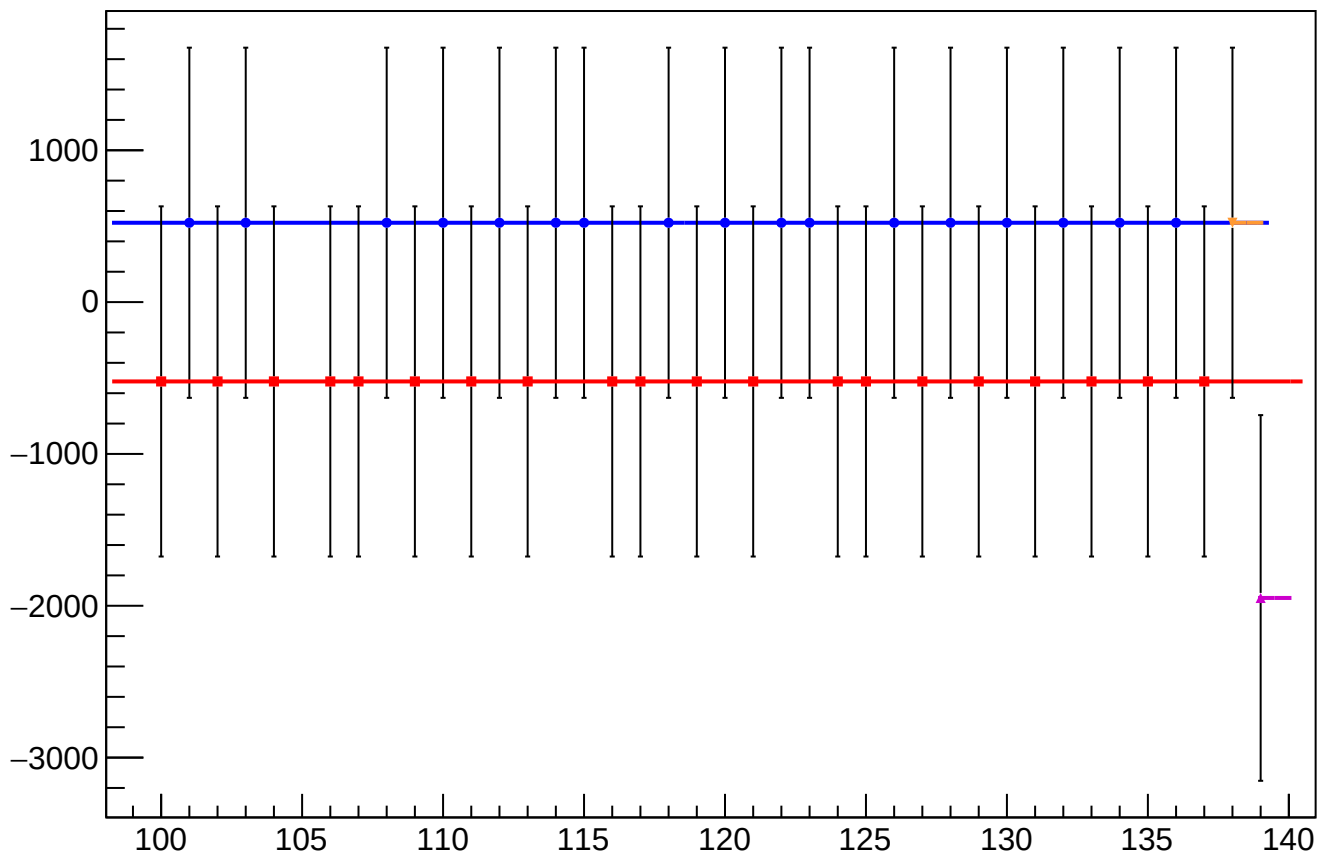
Left In: 1769.214 $\pm$ 1.472 χ^2 /NDF: 0.0/0

1678.197 $\pm$ 0.328 χ^2 /NDF: 0.0/17

1680.287 $\pm$ 0.223 χ^2 /NDF: 3737.0/38

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: 522.542 $\pm$ 1153.190 χ^2/NDF : 0.0/0

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

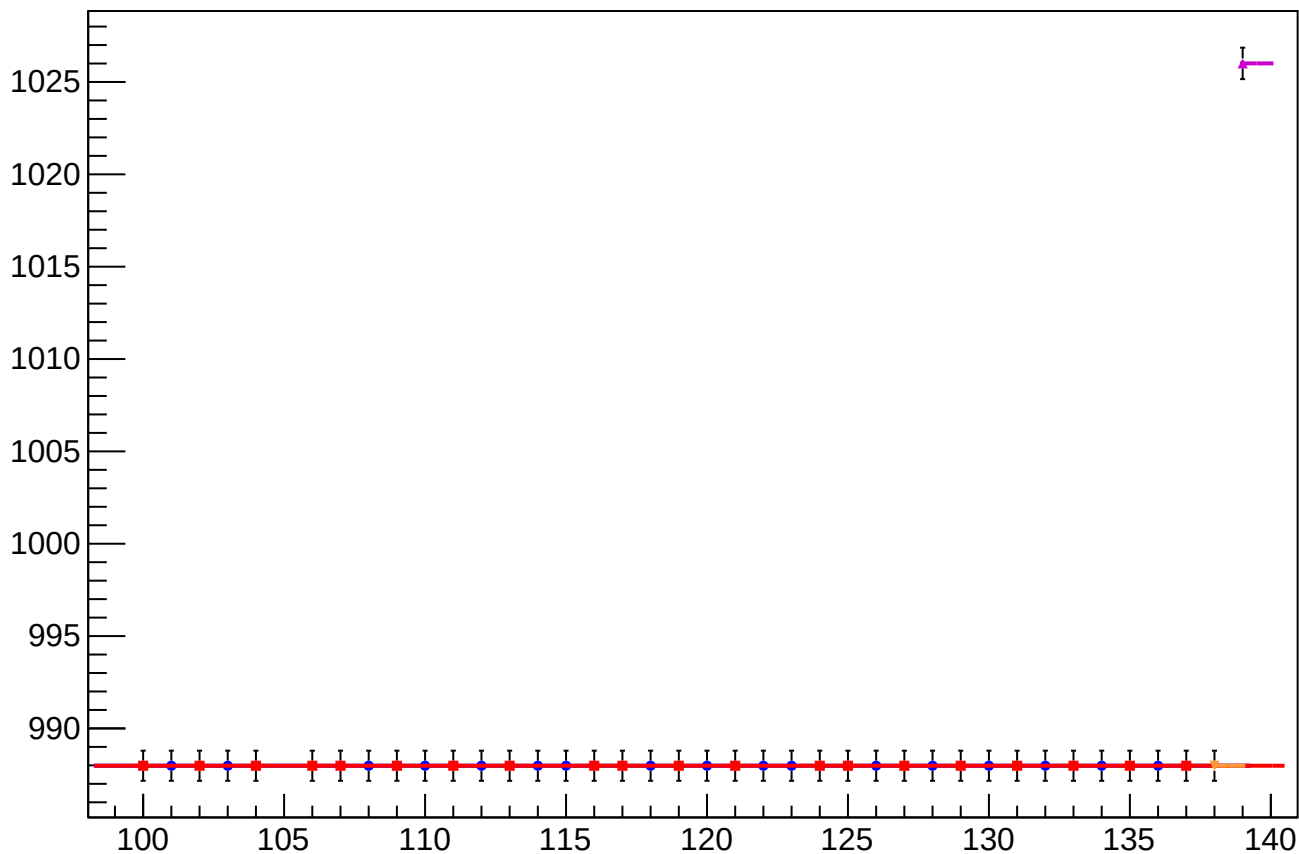
Left In: -1948.606 $\pm$ 1204.230 χ^2/NDF : 0.0/0

522.542 $\pm$ 271.809 χ^2/NDF : 0.0/17

-72.770 $\pm$ 184.855 χ^2/NDF : 10.3/38

-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: 987.980 $\pm$ 0.815 χ^2 /NDF: 0.0/0

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

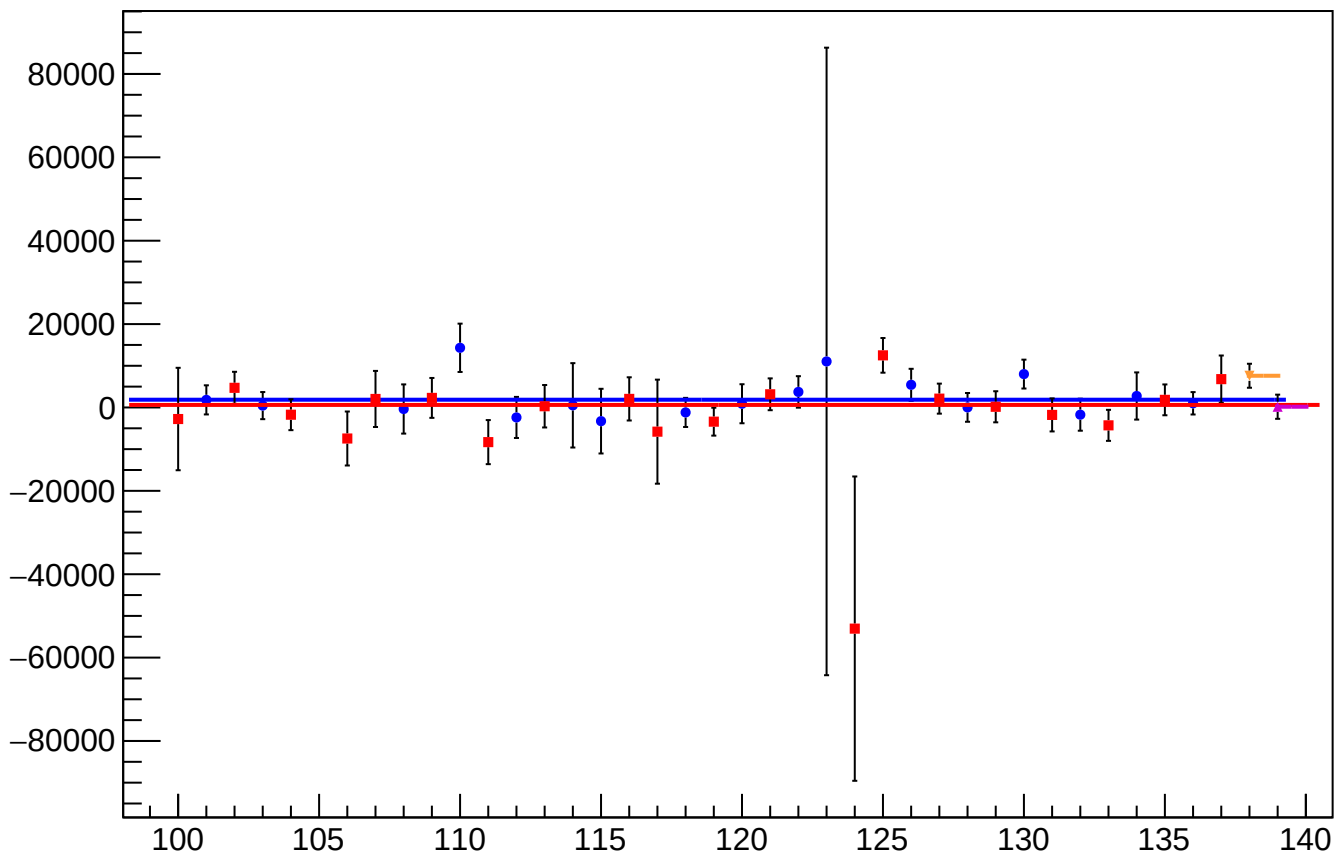
Left In: 1026.006 $\pm$ 0.852 χ^2 /NDF: 0.0/0

987.980 $\pm$ 0.192 χ^2 /NDF: 0.0/17

988.876 $\pm$ 0.131 χ^2 /NDF: 1947.3/38

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

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 7606.033 $\pm$ 2877.646 χ^2 /NDF: 0.0/0

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

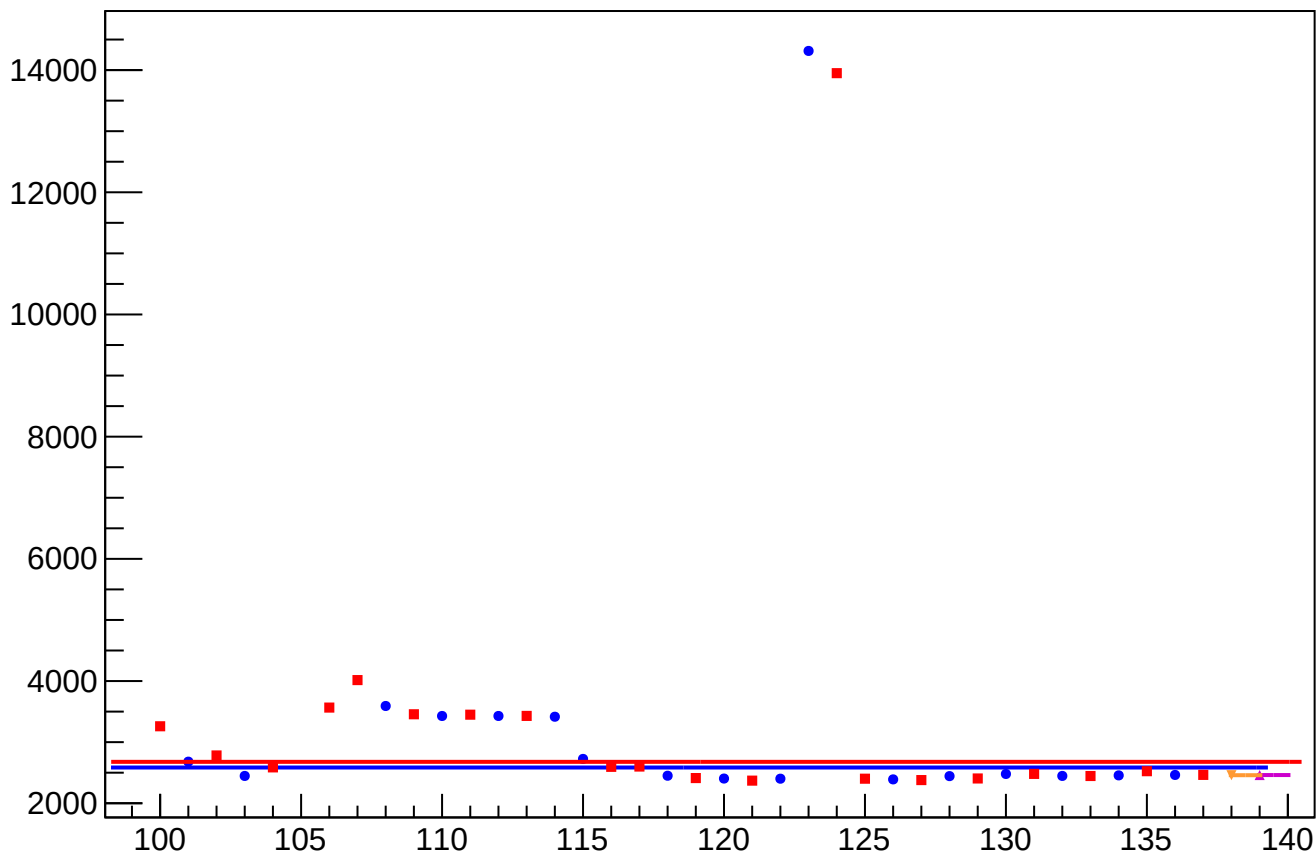
Left In: 173.803 $\pm$ 2899.724 χ^2 /NDF: 0.0/0

2493.823 $\pm$ 955.891 χ^2 /NDF: 16.1/17

1534.995 $\pm$ 678.241 χ^2 /NDF: 40.5/38

562.868 $\pm$ 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: 2458.951+/-2.035 χ^2/NDF : 0.0/0

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

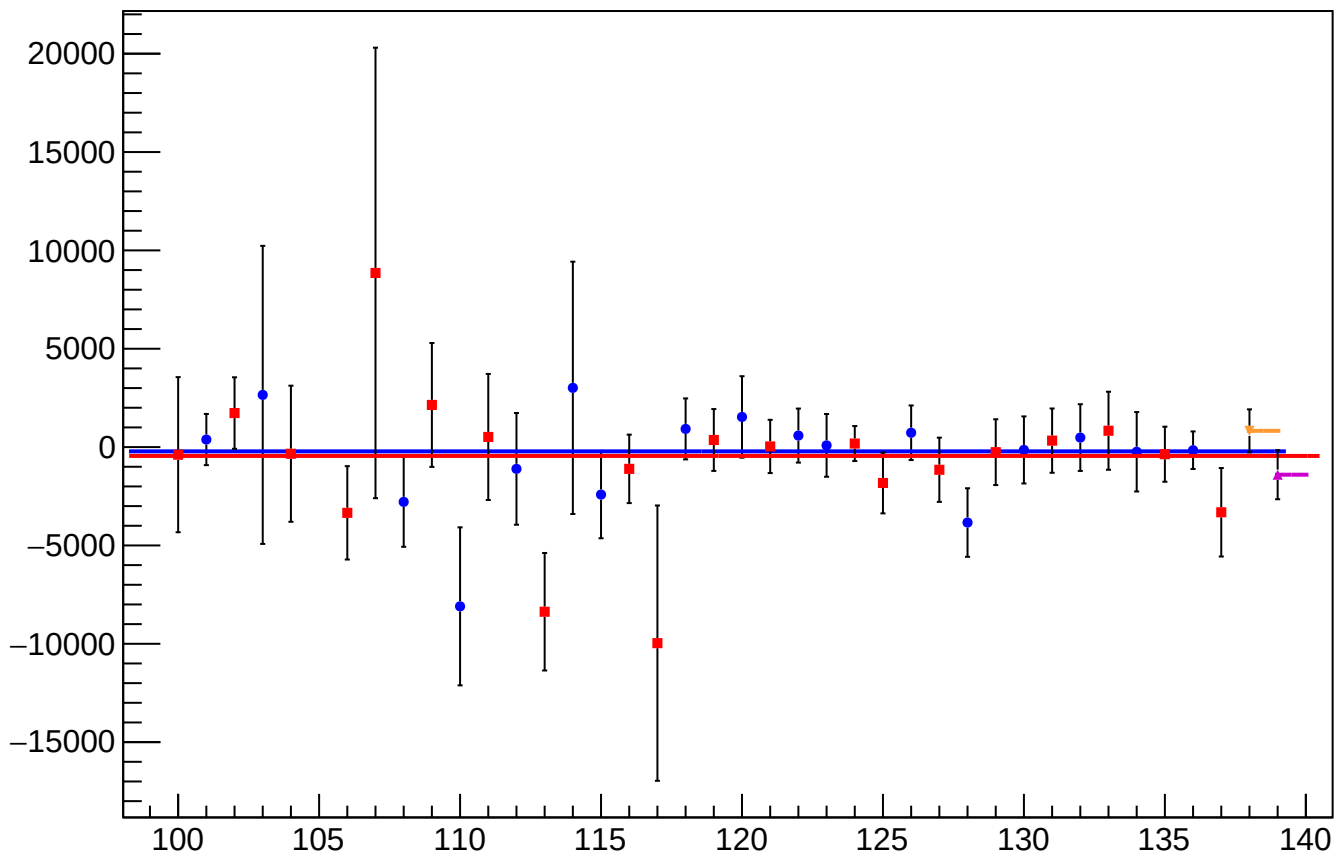
Left In: 2461.603+/-2.050 χ^2/NDF : 0.0/0

2570.930+/-0.676 χ^2/NDF : 259114.6/17

2612.130+/-0.480 χ^2/NDF : 808655.0/38

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: 826.291 ± 1092.584 χ^2/NDF : 0.0/0

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

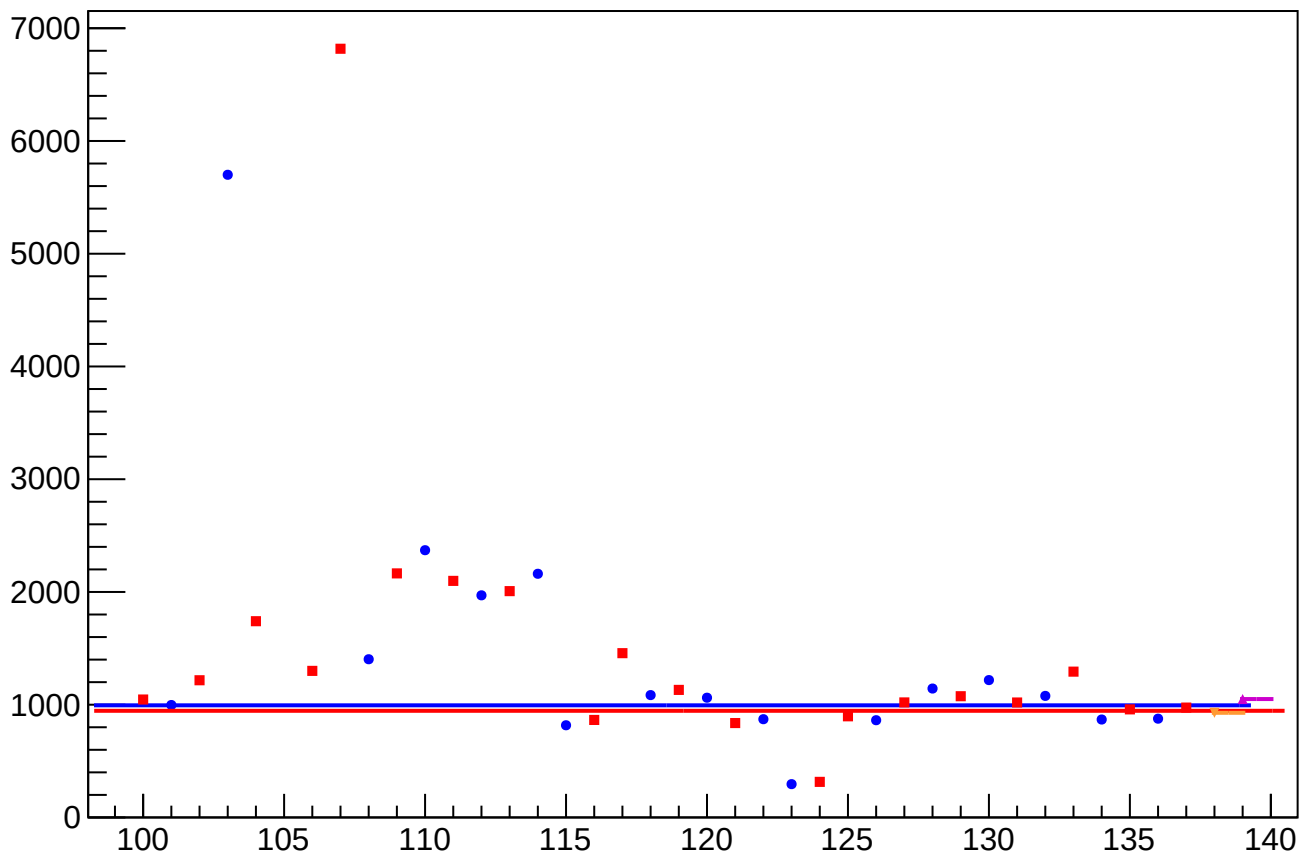
Left In: -1404.221 ± 1246.418 χ^2/NDF : 0.0/0

-82.652 ± 392.095 χ^2/NDF : 14.2/17

-314.839 ± 275.792 χ^2/NDF : 32.9/38

-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: 928.272+/-0.773 χ^2/NDF : 0.0/0

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

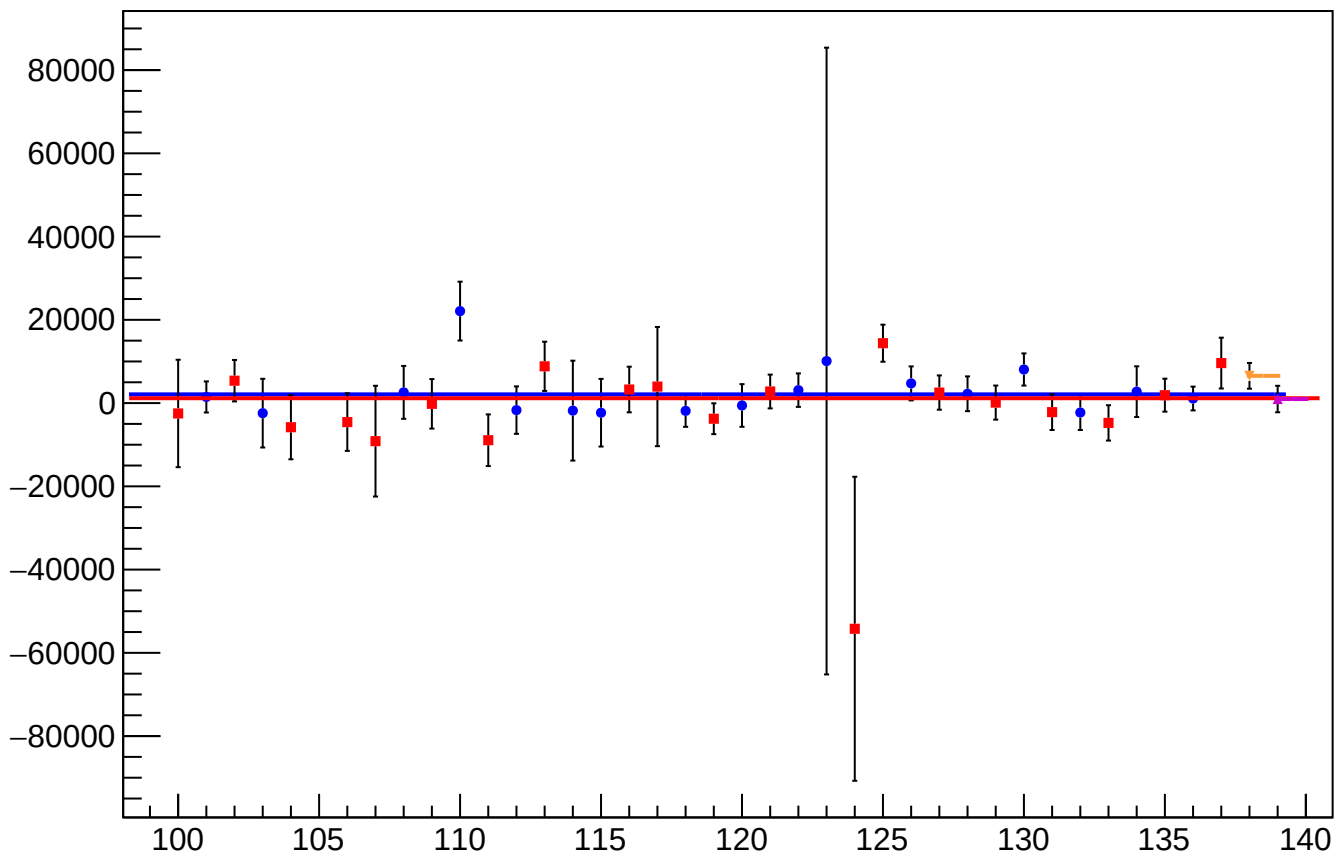
Left In: 1050.213+/-0.881 χ^2/NDF : 0.0/0

986.006+/-0.277 χ^2/NDF : 1910959.2/17

970.910+/-0.195 χ^2/NDF : 4606156.5/38

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: 6546.310+/-3093.744 χ^2/NDF : 0.0/0

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

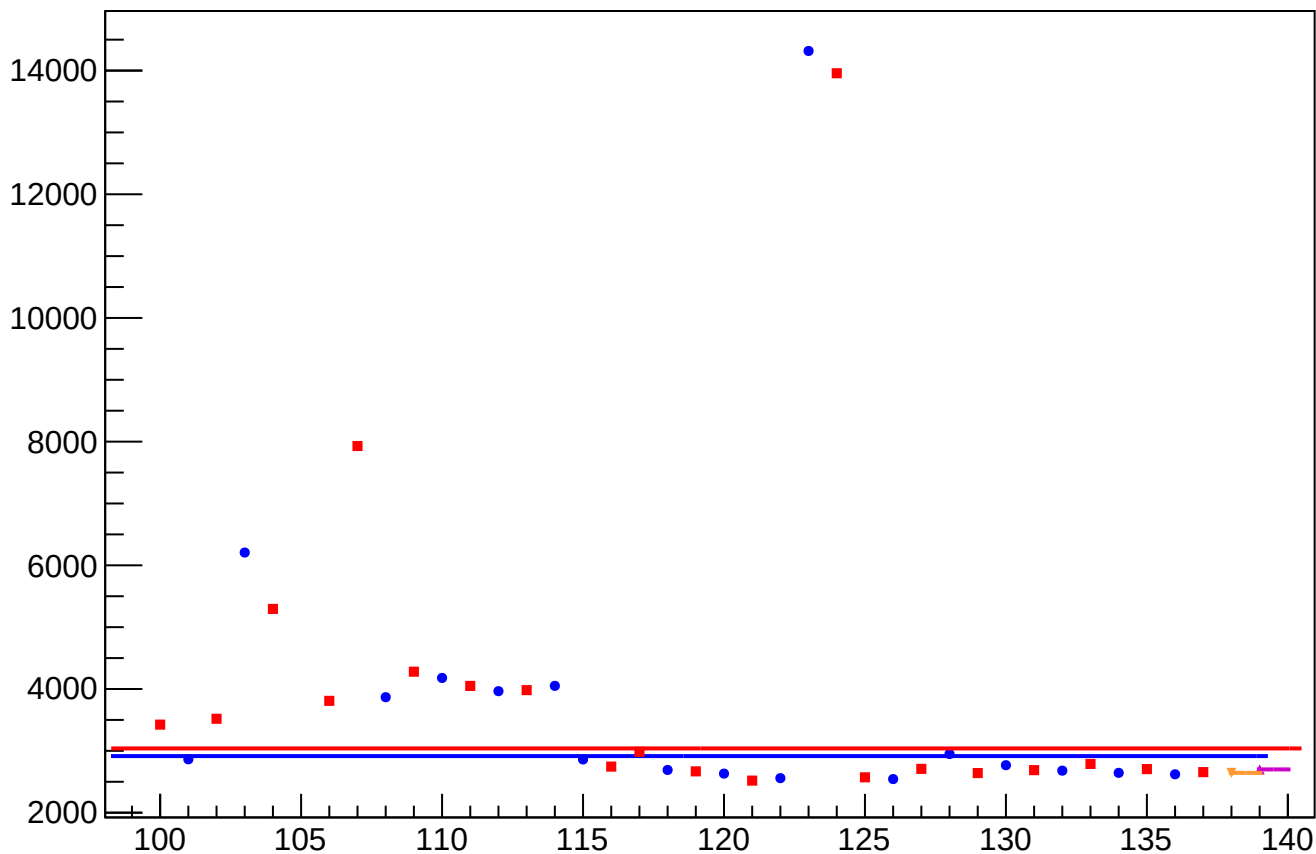
Left In: 973.896+/-3182.044 χ^2/NDF : 0.0/0

2643.184+/-1086.509 χ^2/NDF : 16.4/17

1908.616+/-776.042 χ^2/NDF : 42.6/38

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: 2643.702+/-2.188 χ^2/NDF : 0.0/0

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

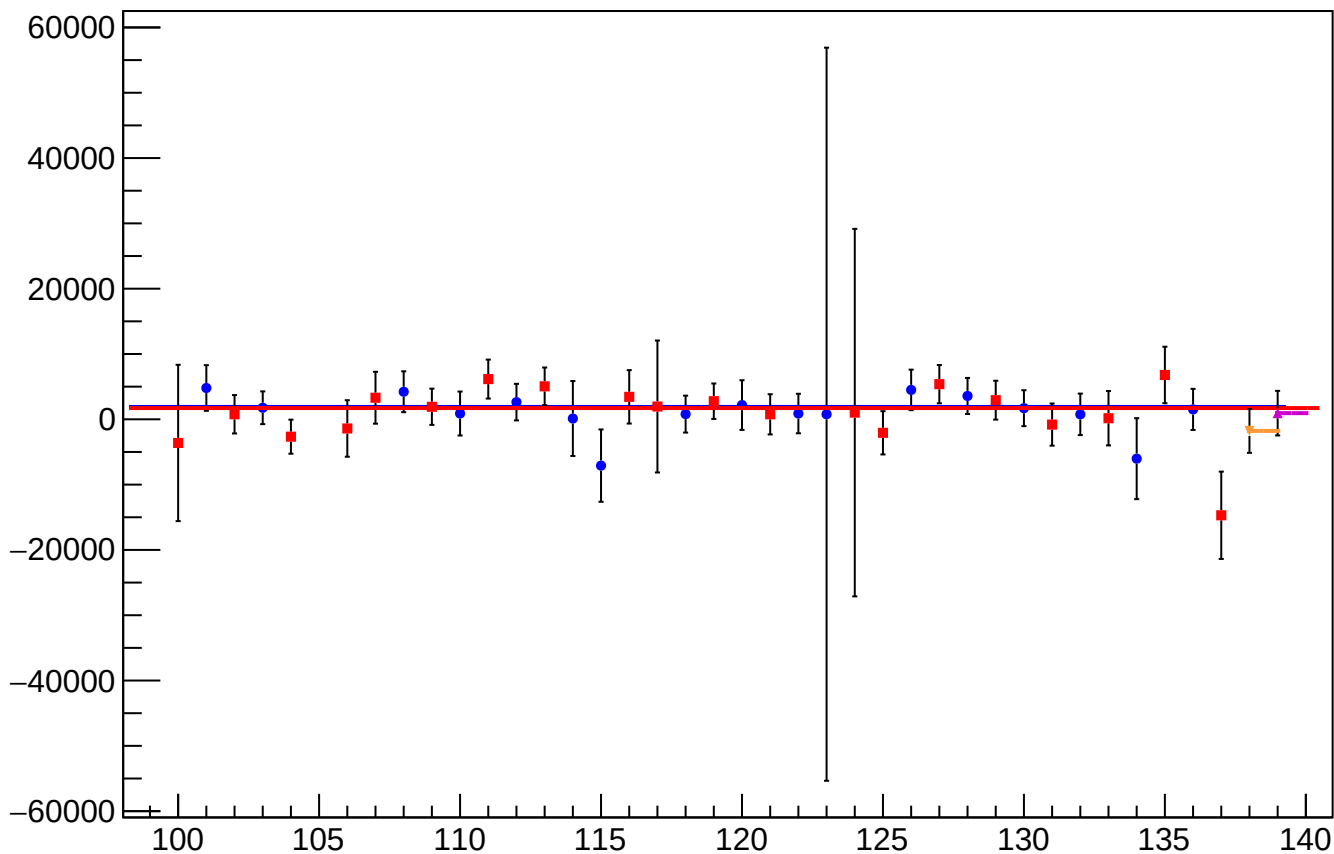
Left In: 2699.809+/-2.250 χ^2/NDF : 0.0/0

2881.715+/-0.768 χ^2/NDF : 652639.3/17

2938.483+/-0.549 χ^2/NDF : 1695135.7/38

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

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -1778.110+/-3357.985 χ^2 /NDF:0.0/0

Right Out: 1720.591+/-787.704 χ^2 /NDF: 19.0/19

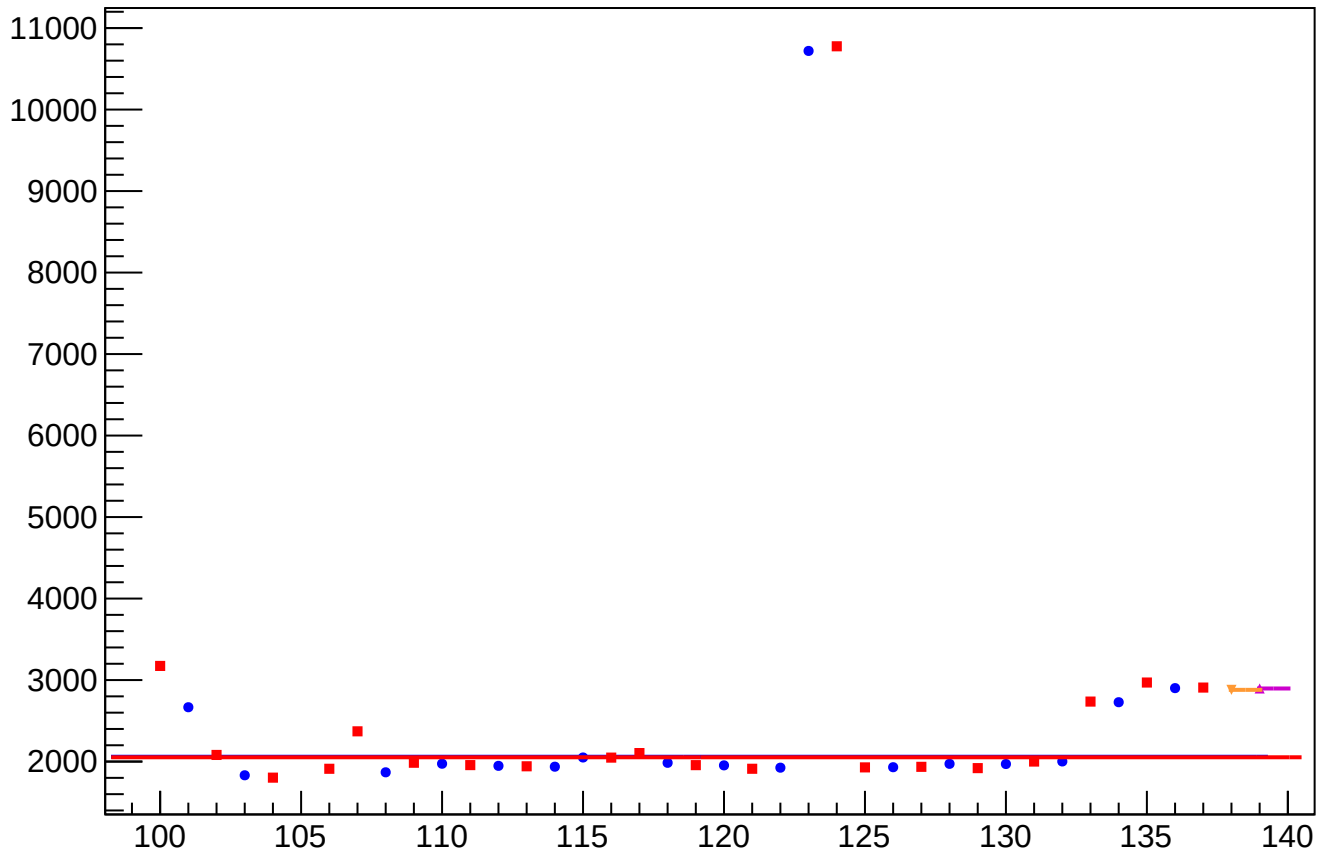
Left In: 942.006+/-3412.024 χ^2 /NDF:0.0/0

1687.578+/-788.730 χ^2 /NDF: 8.4/17

1684.299+/-550.063 χ^2 /NDF: 27.4/38

1681.195+/-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: 2879.877+/-2.374 χ^2/NDF : 0.0/0

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

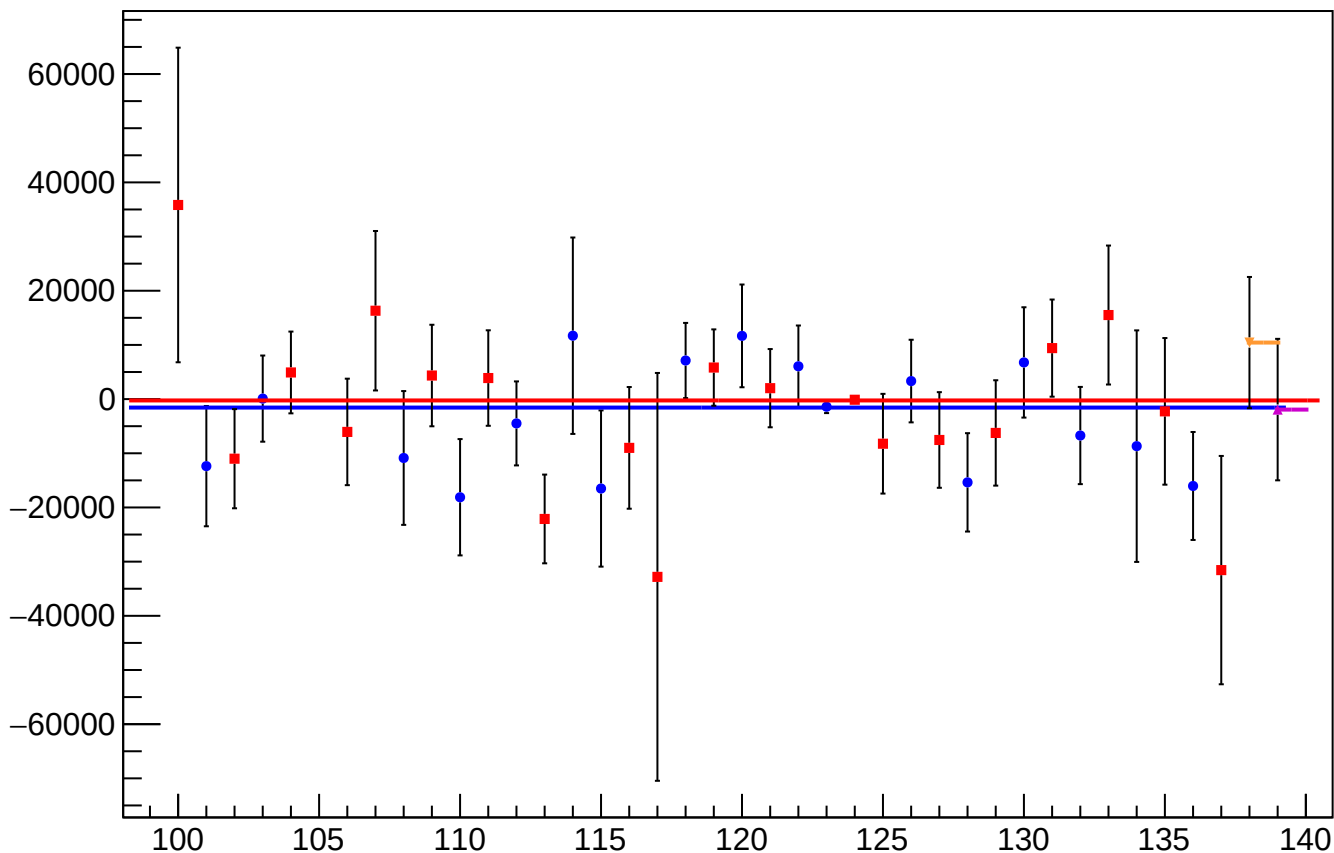
Left In: 2896.592+/-2.413 χ^2/NDF : 0.0/0

2104.253+/-0.558 χ^2/NDF : 431494.5/17

2099.645+/-0.389 χ^2/NDF : 991188.5/38

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

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: 10435.031+/-12109.490 χ^2/NDF : 0.0/0

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

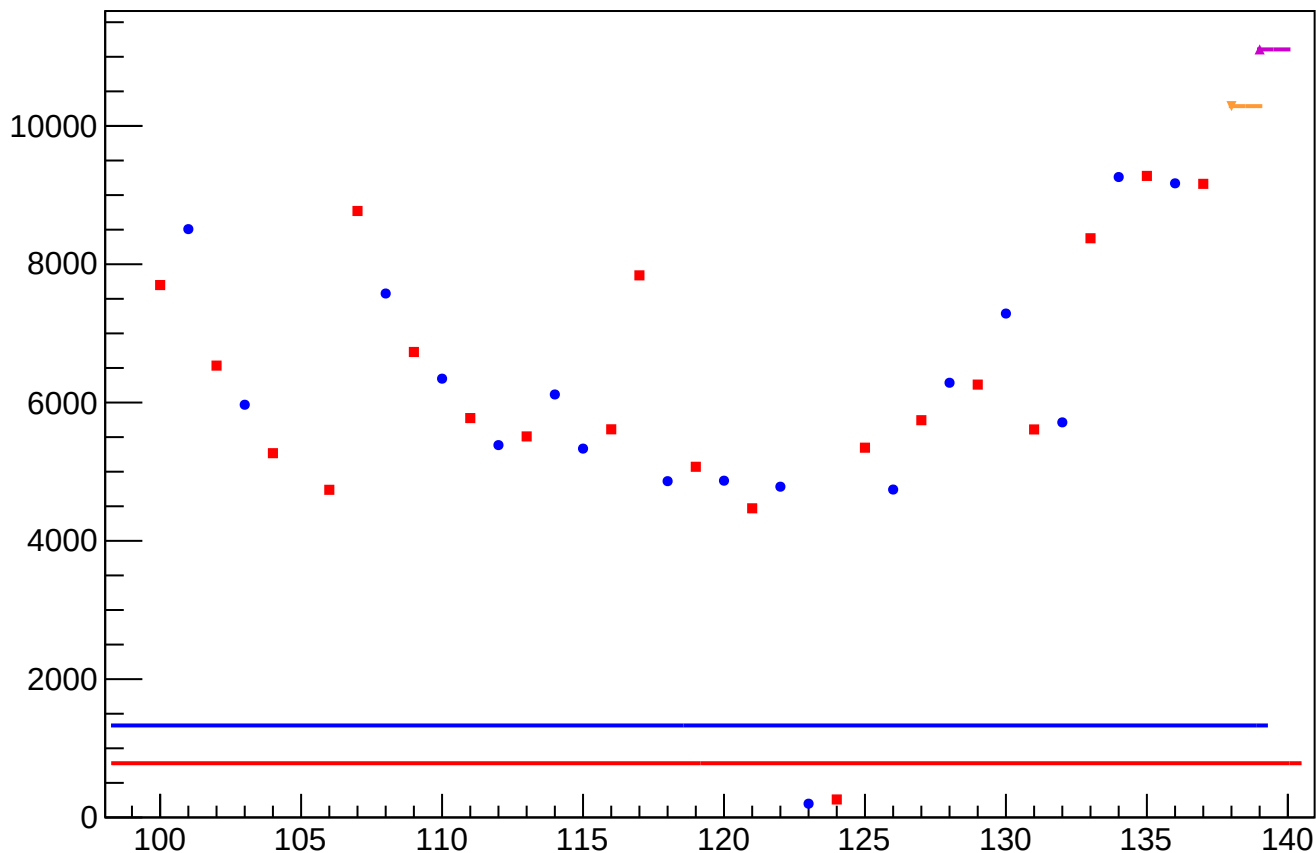
Left In: -1936.851+/-13056.859 χ^2/NDF : 0.0/0

-1473.014+/-1049.976 χ^2/NDF : 17.2/17

-623.350+/-579.000 χ^2/NDF : 39.7/38

-252.080+/-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: 10286.393+/-8.563 χ^2/NDF : 0.0/0

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

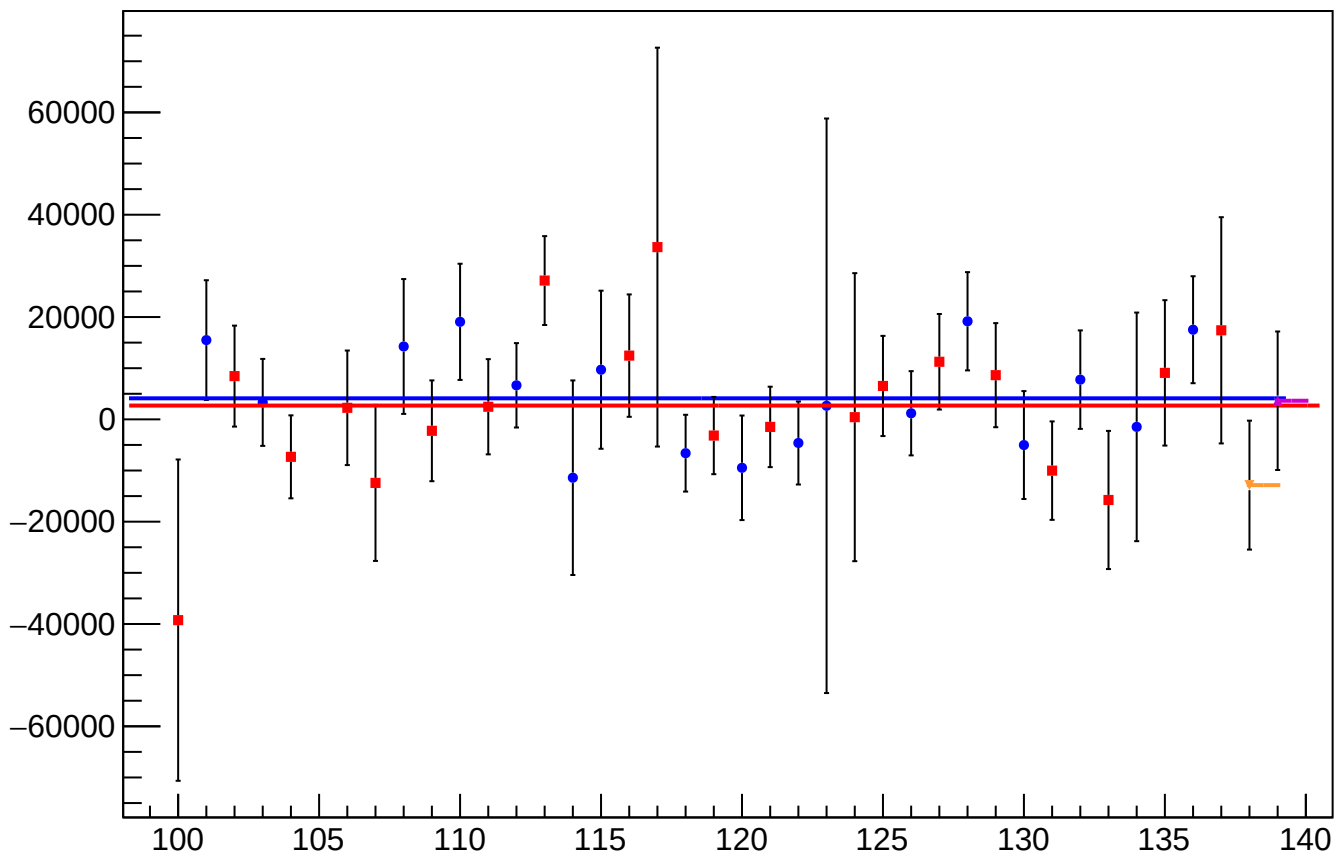
Left In: 11106.846+/-9.233 χ^2/NDF : 0.0/0

1397.583+/-0.742 χ^2/NDF : 11132611.7/17

991.058+/-0.409 χ^2/NDF : 24320138.2/38

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: -12855.326+/-12601.227 χ^2/NDF : 0.0/0

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

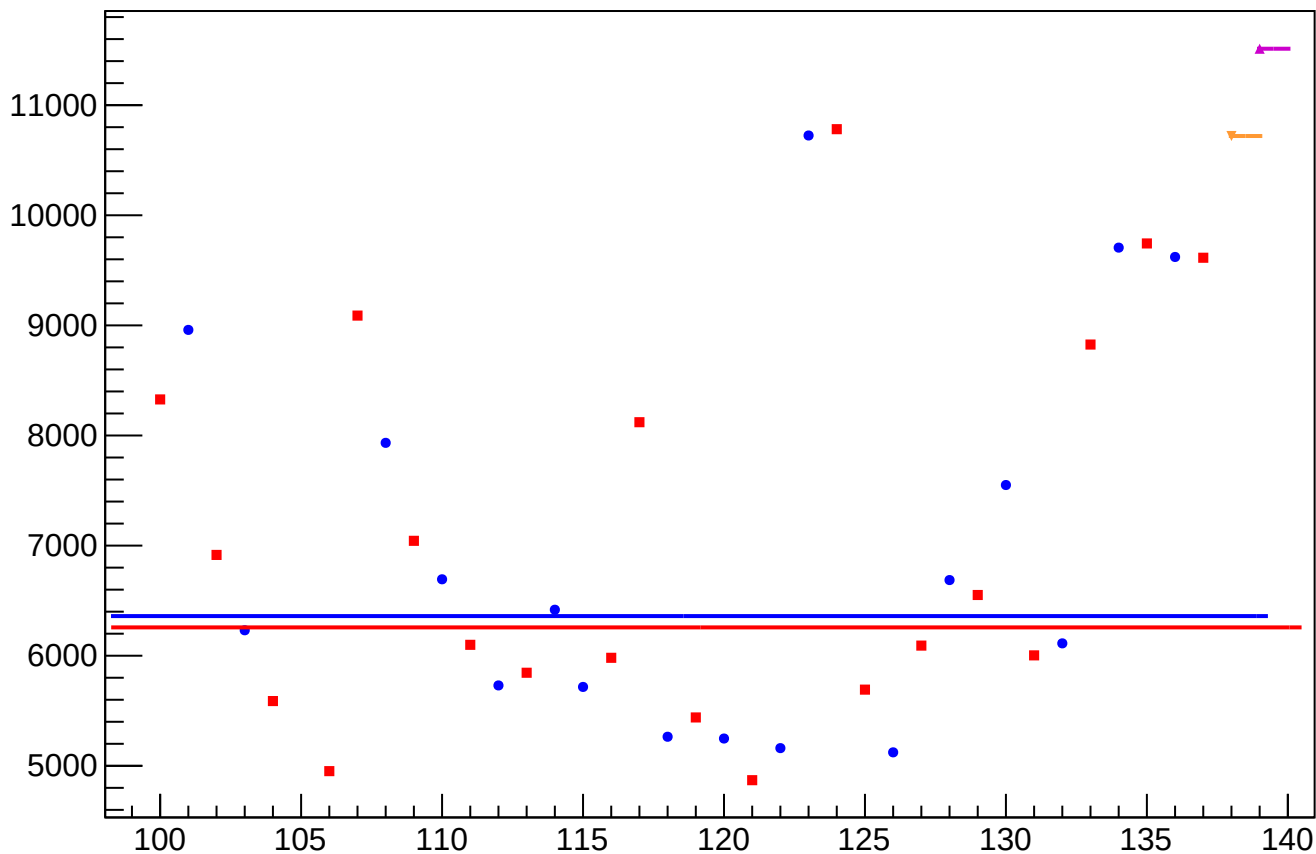
Left In: 3638.864+/-13536.499 χ^2/NDF : 0.0/0

3452.116+/-2484.687 χ^2/NDF : 16.1/17

3073.265+/-1718.073 χ^2/NDF : 36.7/38

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: 10719.791+/-8.910 χ^2/NDF : 0.0/0

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

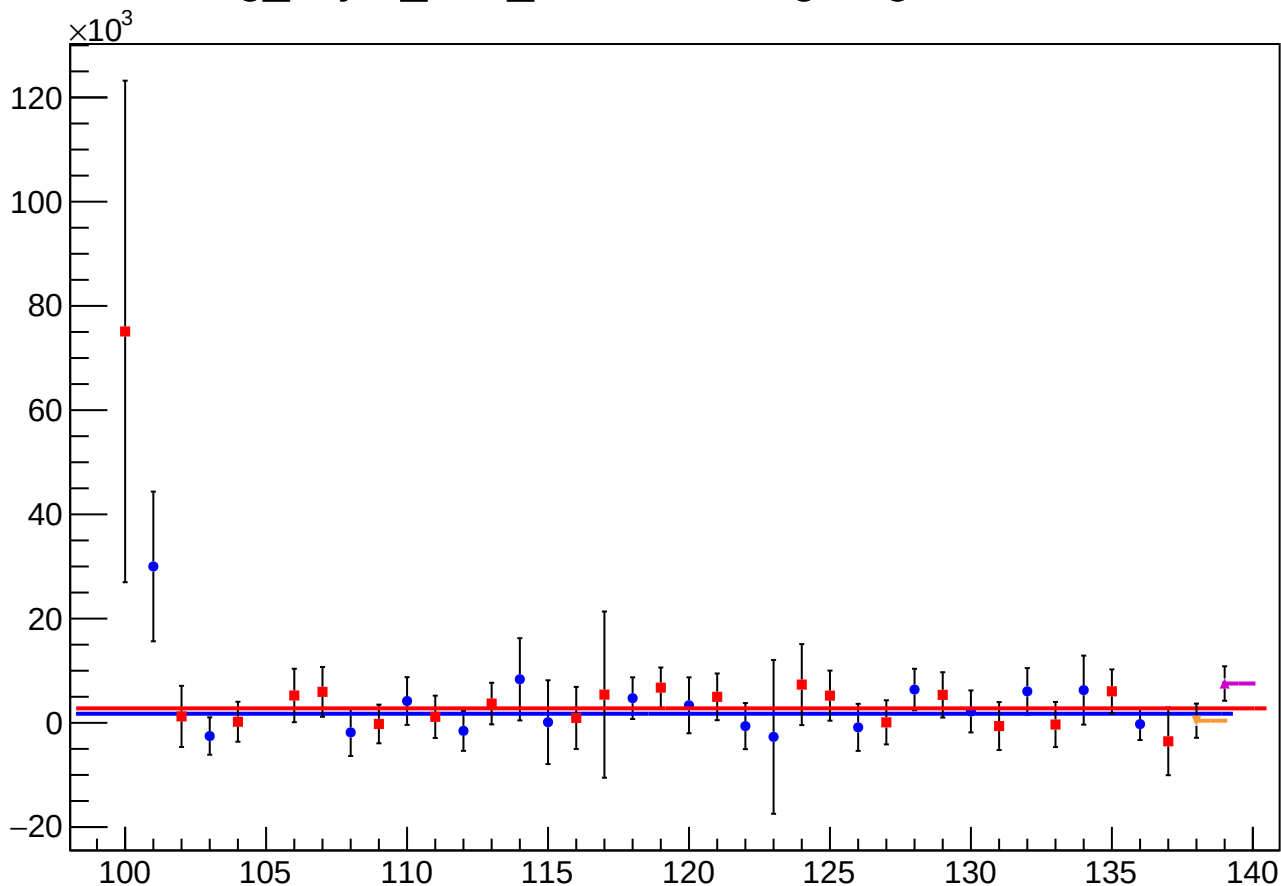
Left In: 11512.542+/-9.572 χ^2/NDF : 0.0/0

6529.435+/-1.757 χ^2/NDF : 810577.1/17

6472.027+/-1.215 χ^2/NDF : 1642321.0/38

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: 409.851 $\pm$ 3280.097 χ^2 /NDF: 0.0/0

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

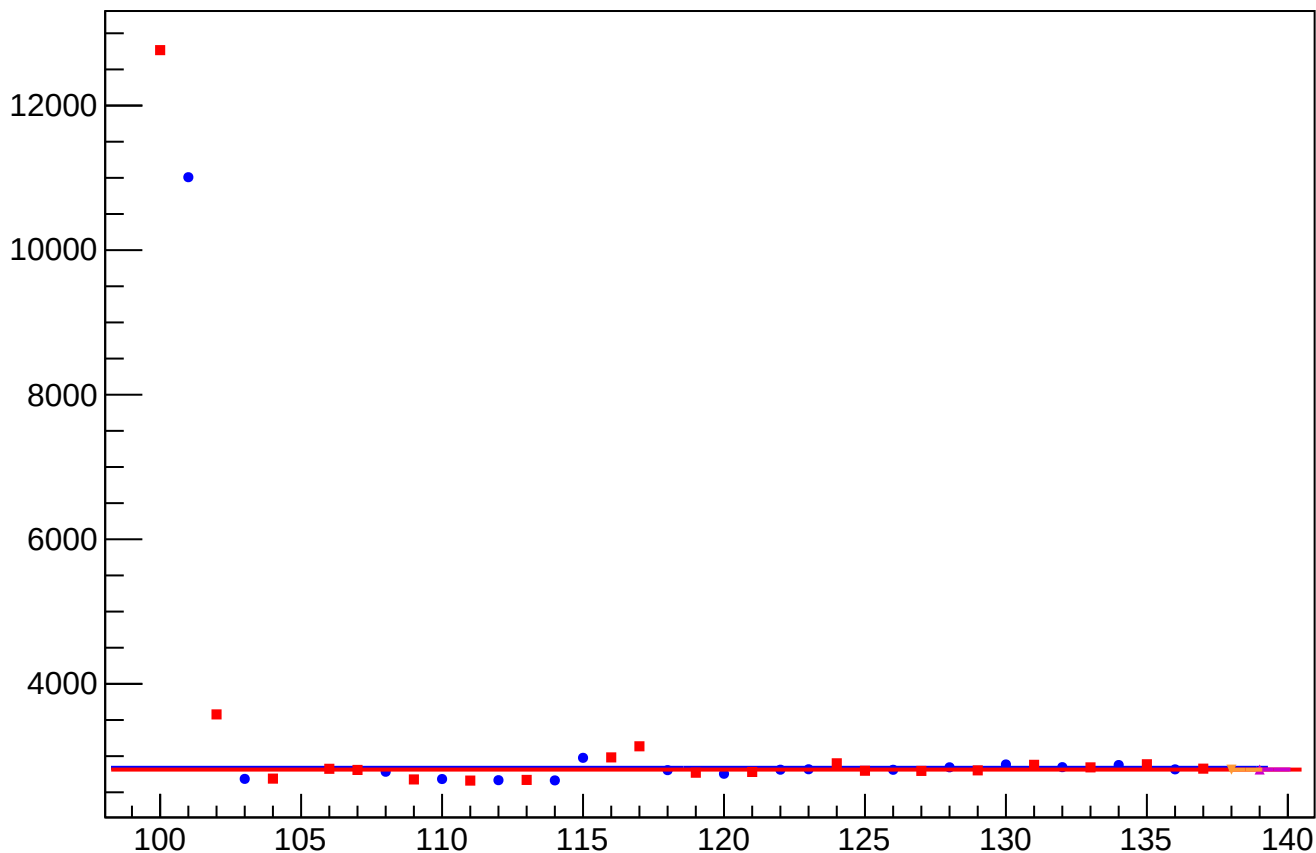
Left In: 7543.250 $\pm$ 3304.179 χ^2 /NDF: 0.0/0

1604.579 $\pm$ 1067.130 χ^2 /NDF: 12.4/17

2454.840 $\pm$ 736.422 χ^2 /NDF: 25.2/38

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: 2813.130+/-2.319 χ^2/NDF : 0.0/0

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

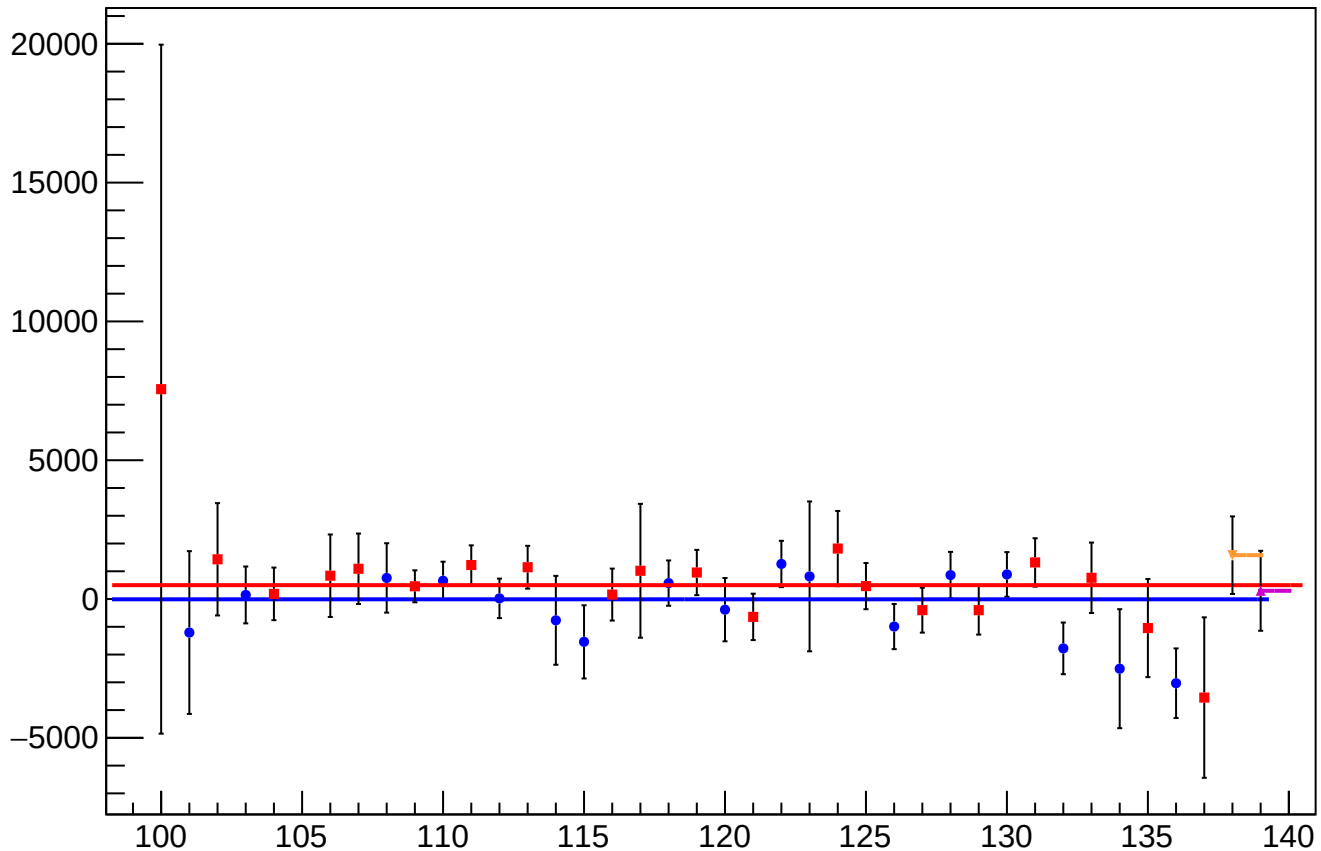
Left In: 2815.410+/-2.336 χ^2/NDF : 0.0/0

2836.027+/-0.755 χ^2/NDF : 660318.3/17

2824.599+/-0.521 χ^2/NDF : 794640.2/38

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

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: 1579.766 ± 1397.143 χ^2/NDF : 0.0/0

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

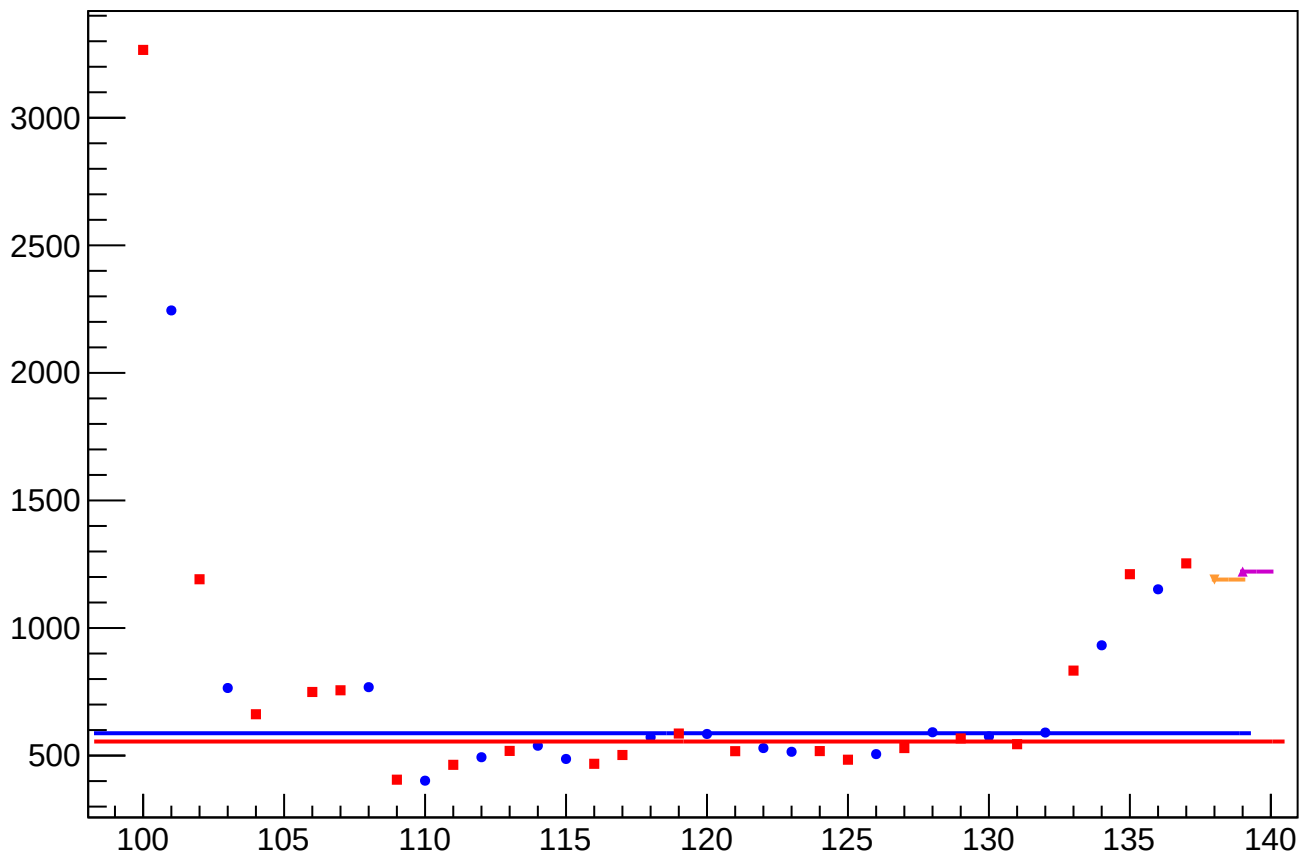
Left In: 297.113 ± 1439.808 χ^2/NDF : 0.0/0

36.338 ± 238.142 χ^2/NDF : 22.0/17

285.857 ± 160.805 χ^2/NDF : 35.9/38

494.982 ± 218.015 χ^2/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: 1189.988+/-0.988 χ^2/NDF : 0.0/0

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

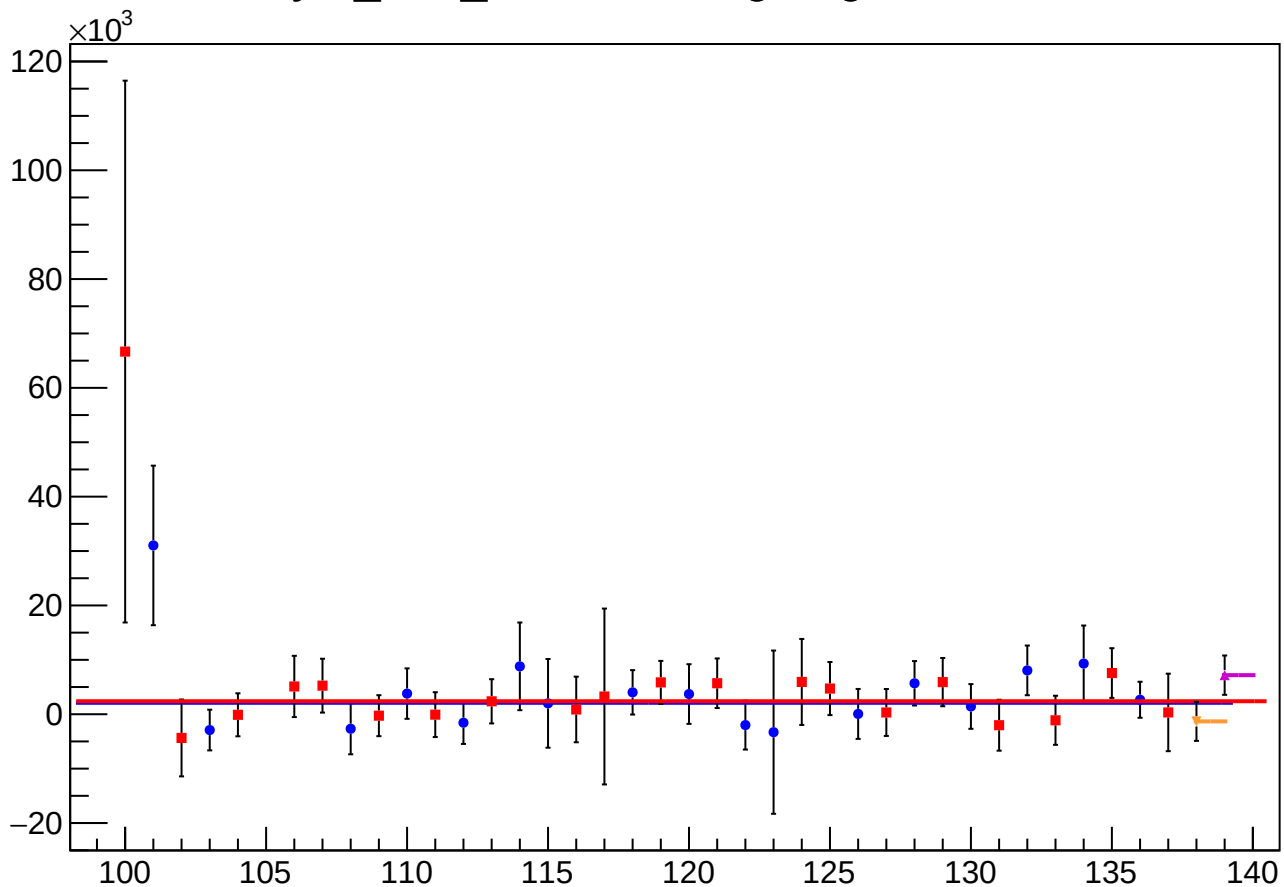
Left In: 1221.225+/-1.018 χ^2/NDF : 0.0/0

605.097+/-0.168 χ^2/NDF : 1786764.8/17

586.200+/-0.114 χ^2/NDF : 3335932.1/38

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: -1316.923+/-3578.303 χ^2/NDF : 0.0/0

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

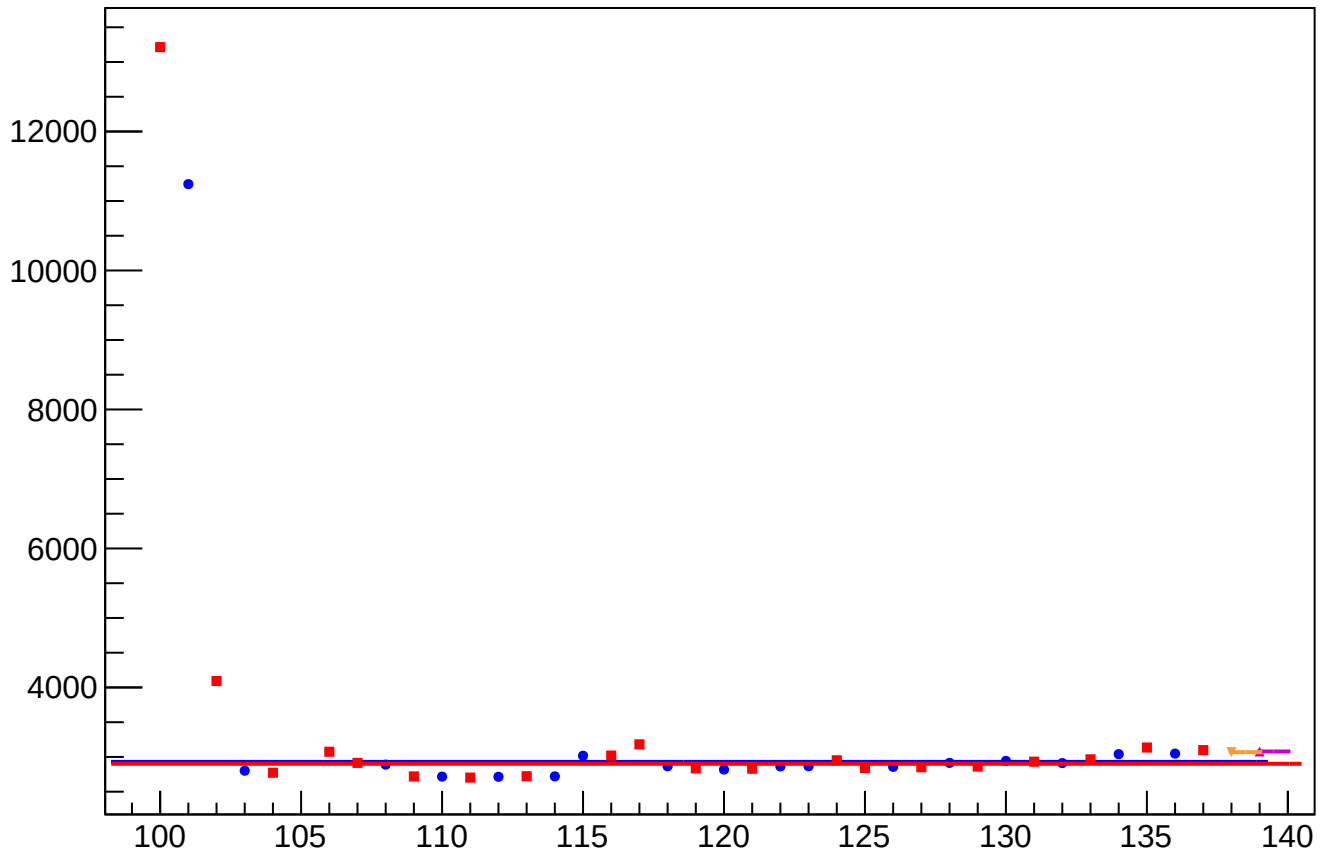
Left In: 7184.351+/-3614.230 χ^2/NDF : 0.0/0

1780.546+/-1107.197 χ^2/NDF : 14.3/17

2313.760+/-765.306 χ^2/NDF : 26.3/38

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: 3068.374+/-2.530 χ^2/NDF : 0.0/0

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

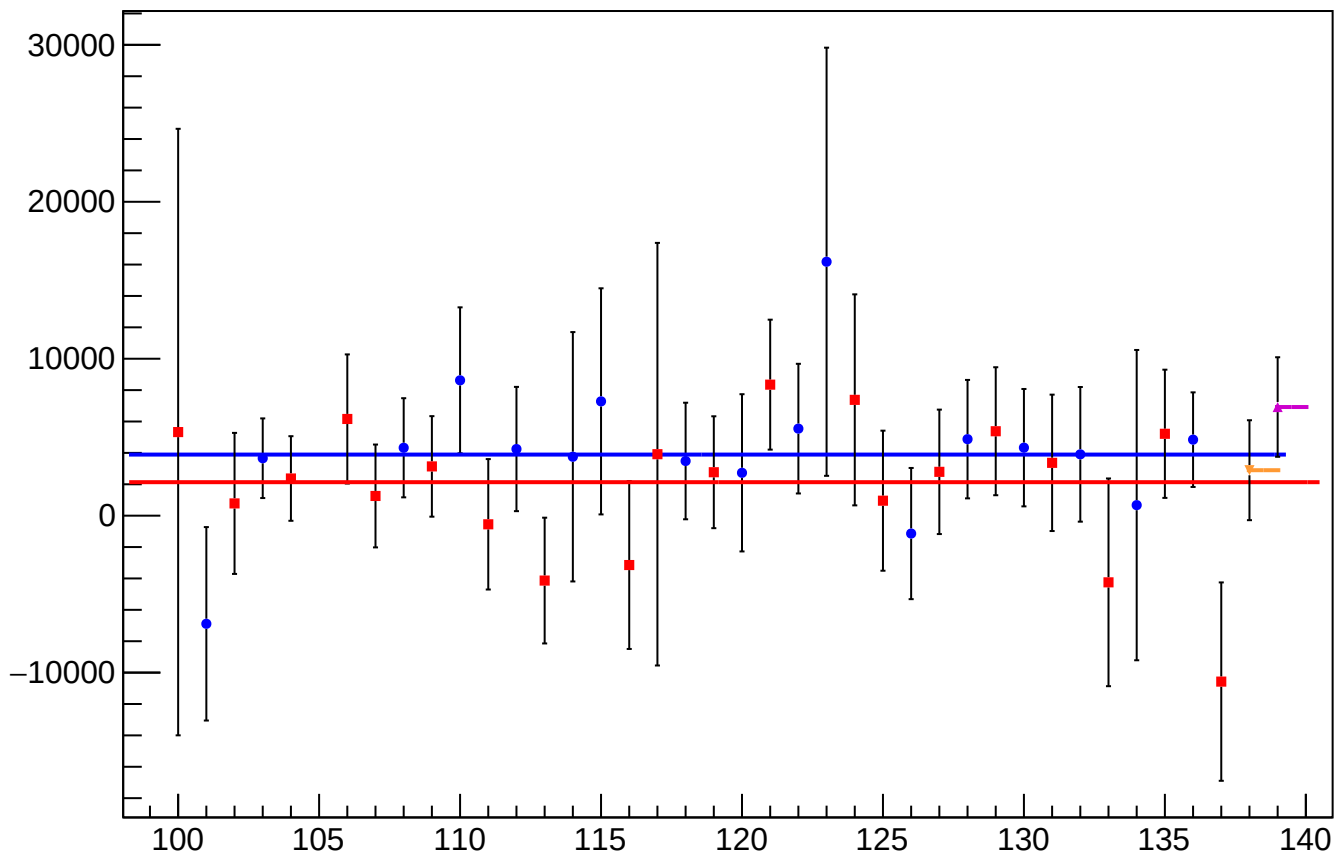
Left In: 3078.887+/-2.556 χ^2/NDF : 0.0/0

2942.073+/-0.783 χ^2/NDF : 665118.4/17

2928.977+/-0.541 χ^2/NDF : 840364.7/38

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

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3892.504 $\pm$ 1011.718 χ^2 /NDF: 7.1/16

Left Out: 2896.732 $\pm$ 3183.779 χ^2 /NDF: 0.0/0

Right Out: 2133.736 $\pm$ 955.999 χ^2 /NDF: 14.4/19

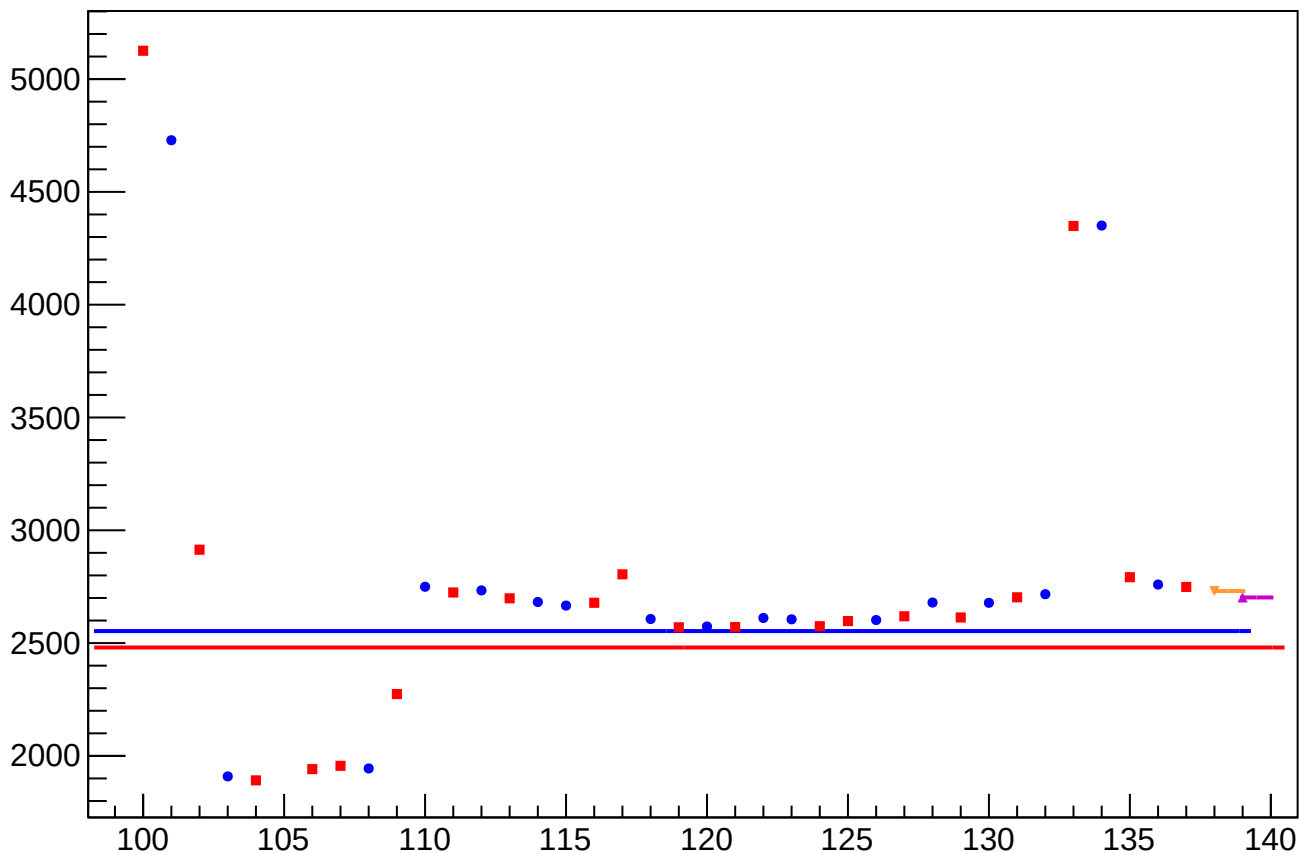
Left In: 6922.625 $\pm$ 3171.663 χ^2 /NDF: 0.0/0

3801.174 $\pm$ 964.206 χ^2 /NDF: 7.2/17

3133.909 $\pm$ 663.840 χ^2 /NDF: 24.6/38

2532.586 $\pm$ 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: 2730.486+/-2.251 χ^2/NDF : 0.0/0

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

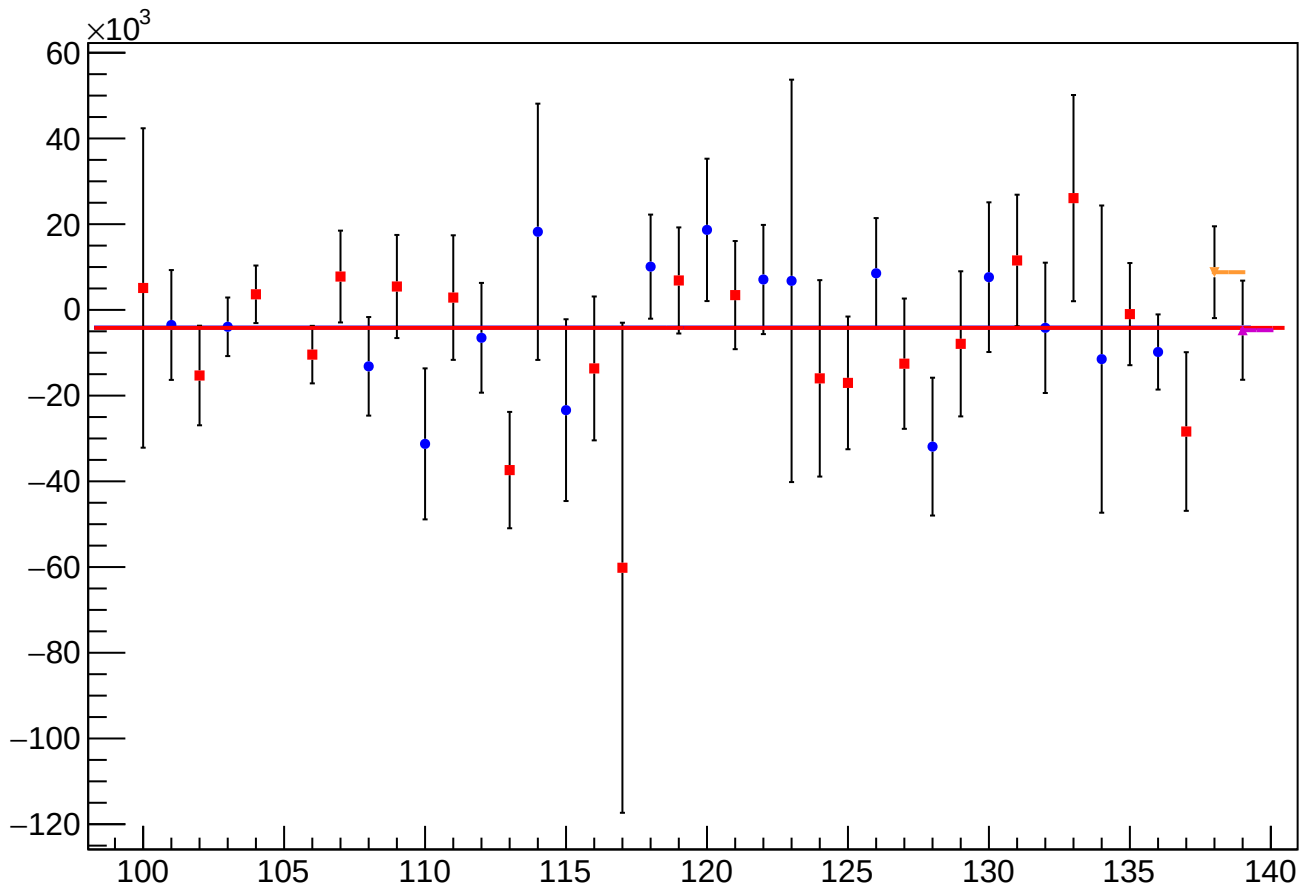
Left In: 2702.240+/-2.243 χ^2/NDF : 0.0/0

2569.533+/-0.682 χ^2/NDF : 550854.4/17

2532.418+/-0.469 χ^2/NDF : 1016118.7/38

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: 8794.789+/-10712.549 χ^2 /NDF:0.0/0

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

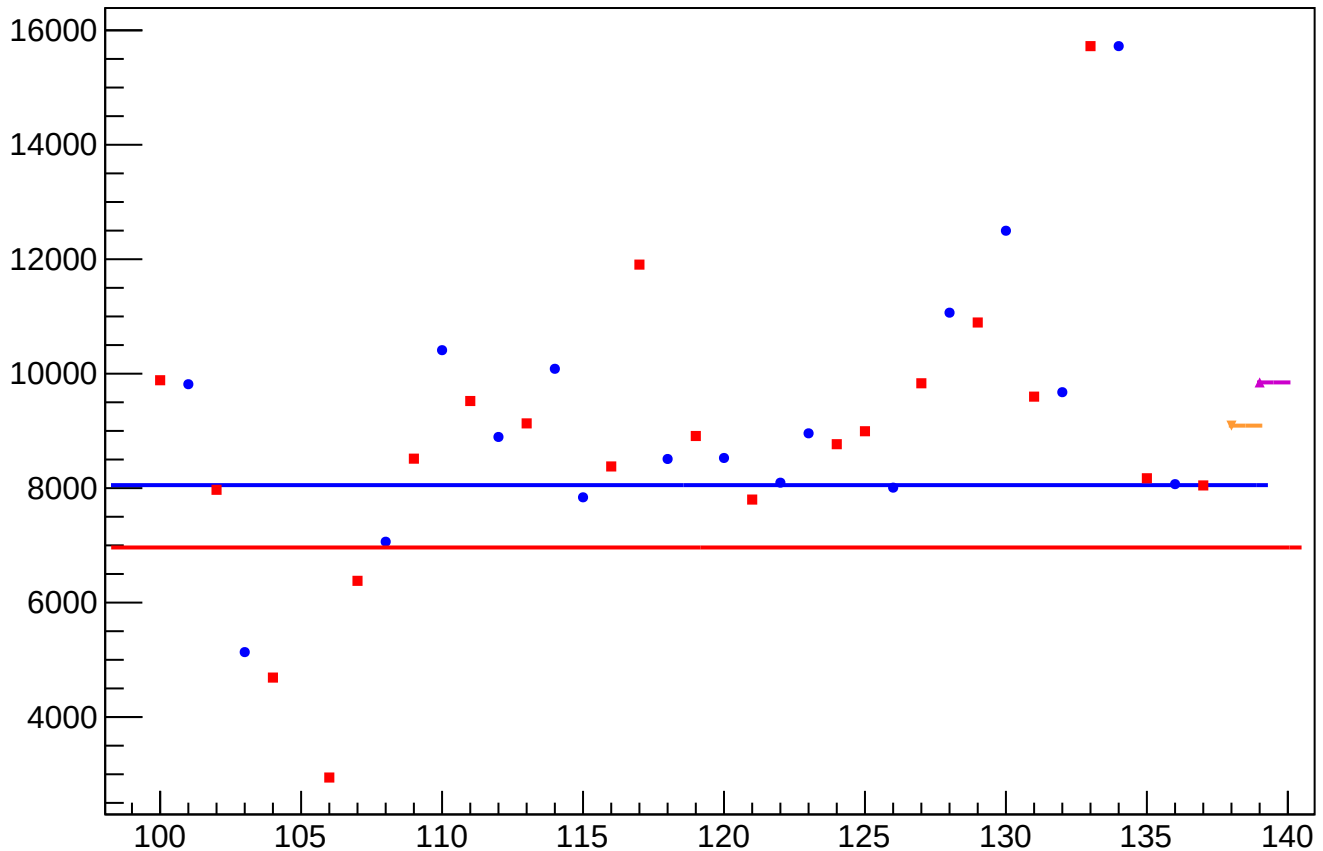
Left In: -4739.595+/-11566.141 χ^2 /NDF:0.0/0

-3051.339+/-3089.891 χ^2 /NDF: 14.7/17

-3708.260+/-2054.113 χ^2 /NDF: 34.2/38

-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: 9092.337+/-7.575 χ^2/NDF : 0.0/0

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

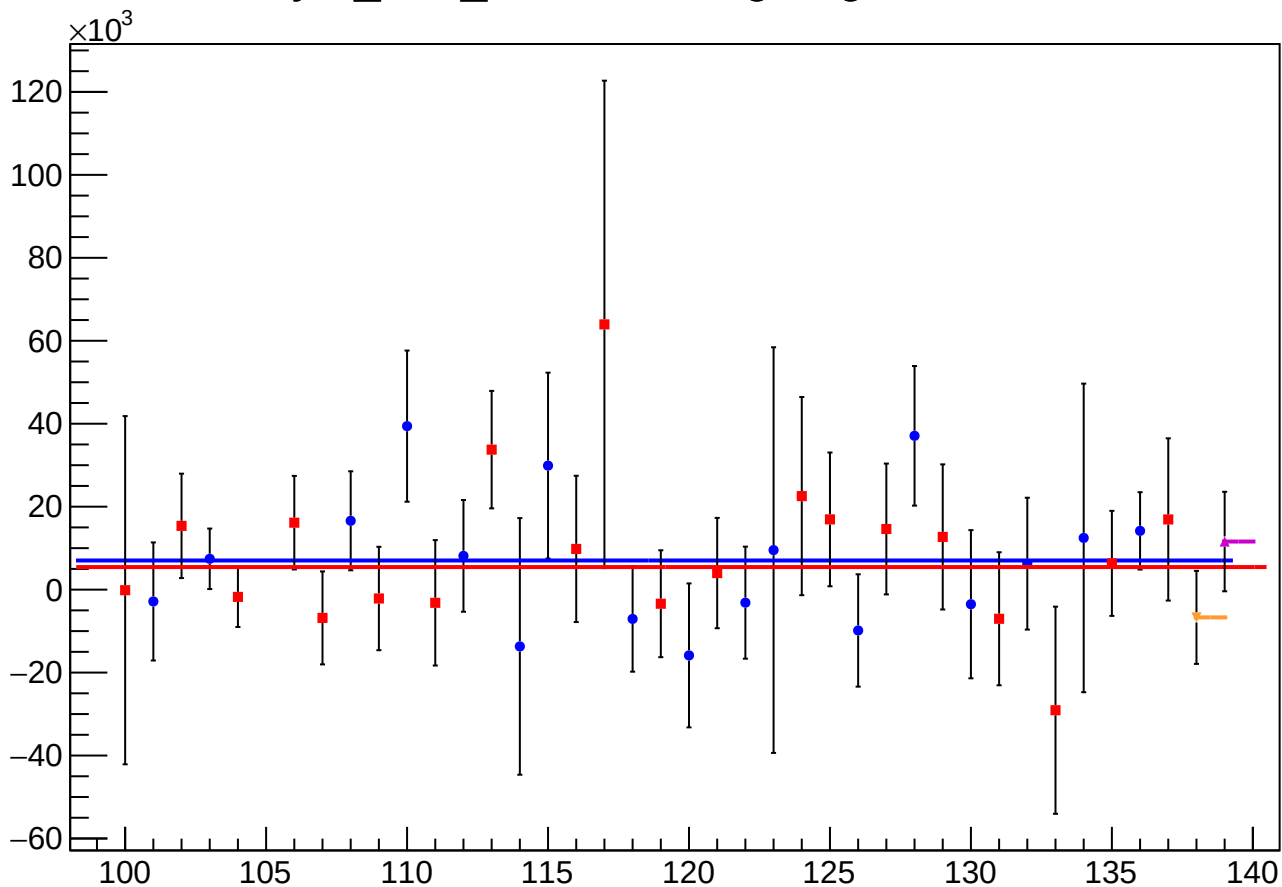
Left In: 9847.430+/-8.178 χ^2/NDF : 0.0/0

8139.057+/-2.185 χ^2/NDF : 807998.8/17

7573.771+/-1.452 χ^2/NDF : 2836861.6/38

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

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -6693.498+/-11214.134 χ^2/NDF : 0.0/0

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

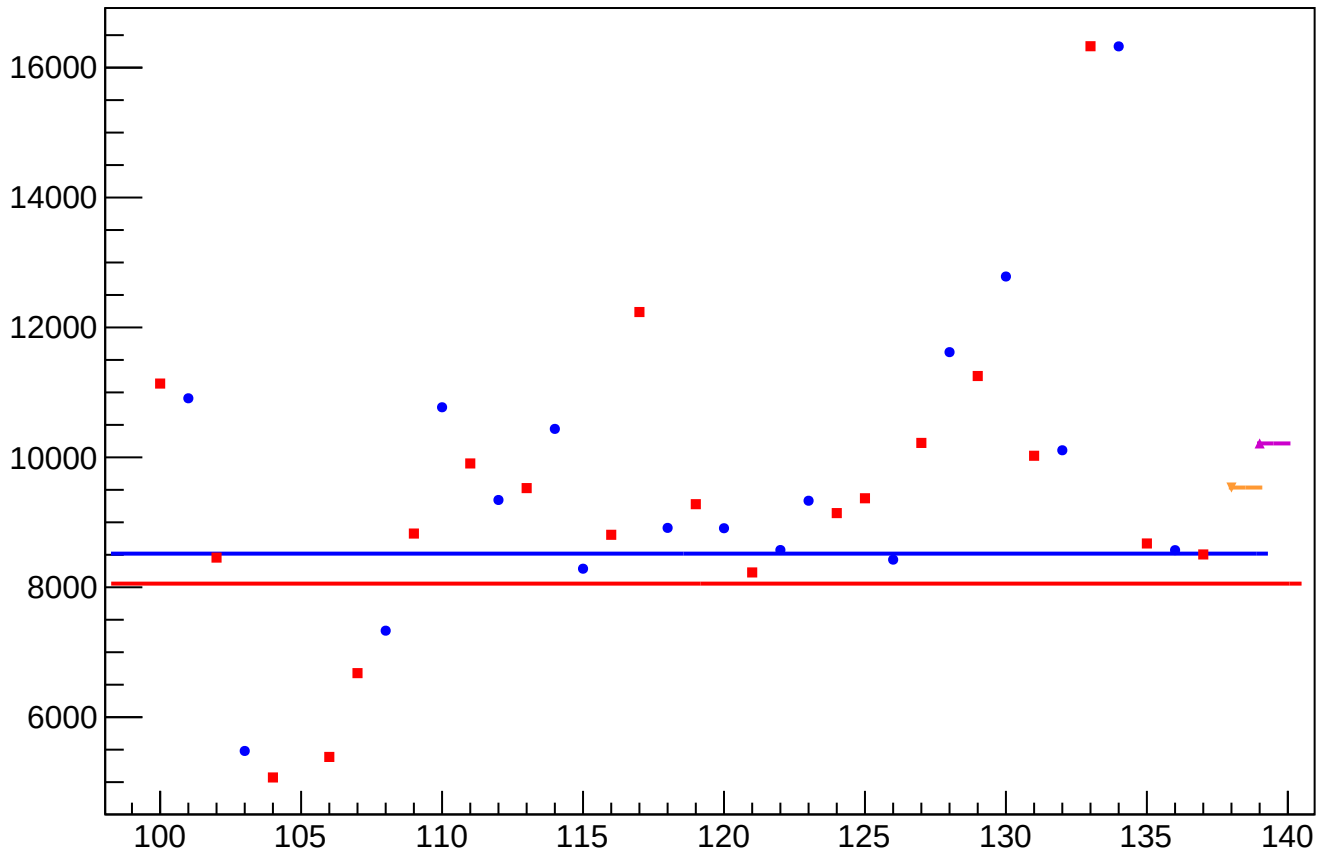
Left In: 11594.026+/-11995.943 χ^2/NDF : 0.0/0

5864.566+/-3262.054 χ^2/NDF : 16.4/17

5852.529+/-2231.377 χ^2/NDF : 31.0/38

5841.945+/-3059.012 χ^2/NDF : 14.6/20

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 9535.351+/-7.930 χ^2/NDF : 0.0/0

Right Out: 8056.153+/-2.237 χ^2/NDF : 962282.6/19

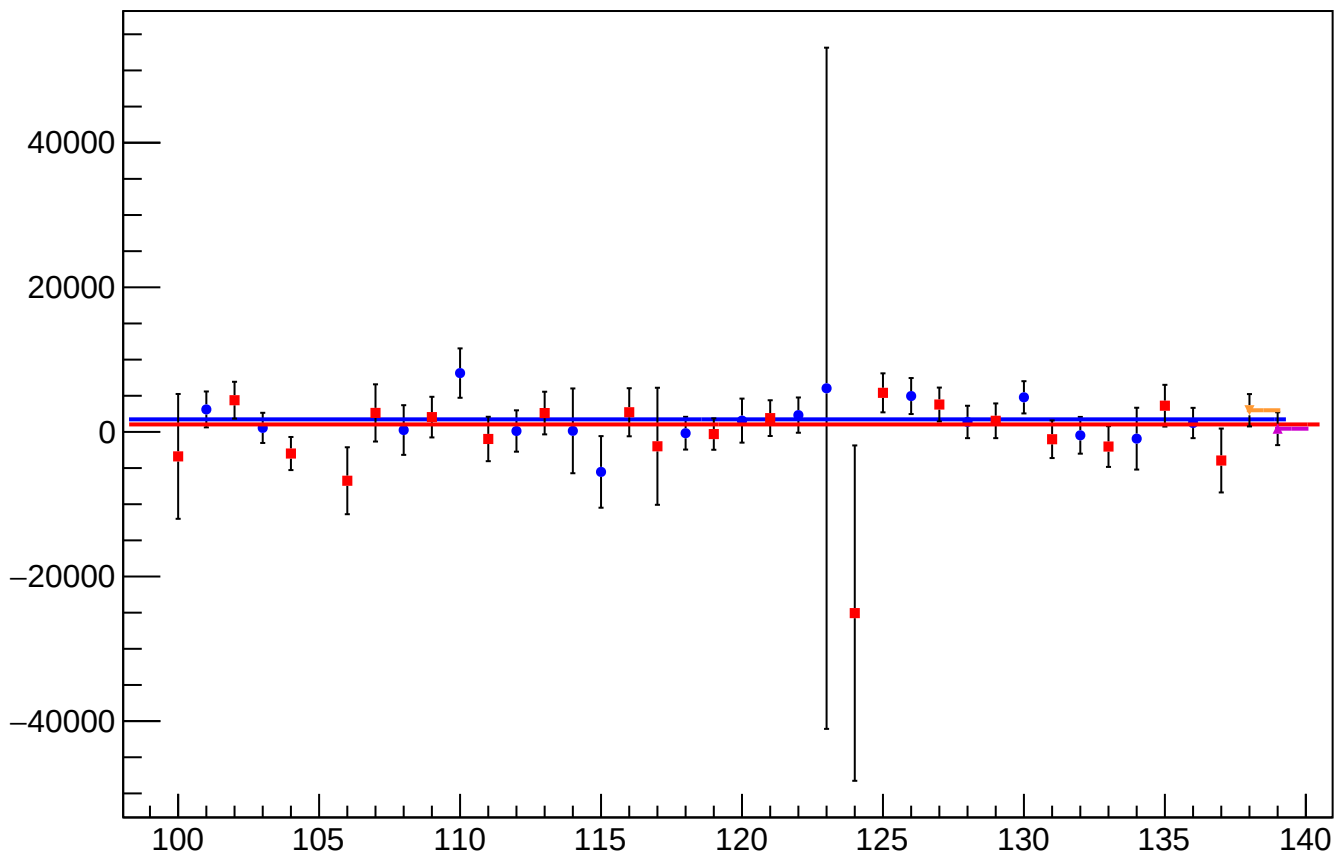
Left In: 10214.434+/-8.482 χ^2/NDF : 0.0/0

8603.980+/-2.307 χ^2/NDF : 778352.4/17

8387.153+/-1.578 χ^2/NDF : 1817772.6/38

8196.490+/-2.163 χ^2/NDF : 1022813.7/20

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 2997.076+/-2236.758 χ^2/NDF : 0.0/0

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

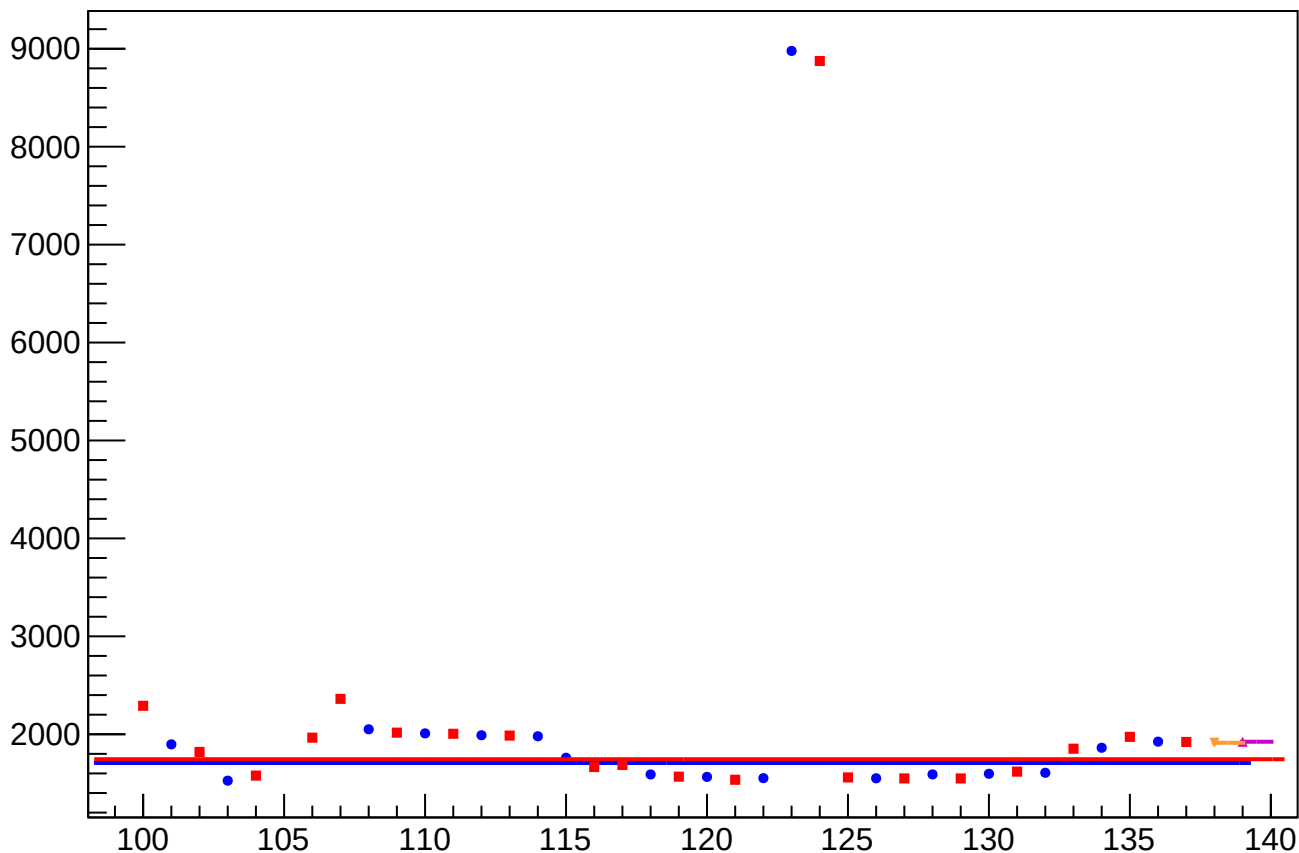
Left In: 445.200+/-2270.161 χ^2/NDF : 0.0/0

1843.285+/-642.172 χ^2/NDF : 12.7/17

1415.034+/-453.826 χ^2/NDF : 32.7/38

987.754+/-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: 1913.180+/-1.582 χ^2/NDF : 0.0/0

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

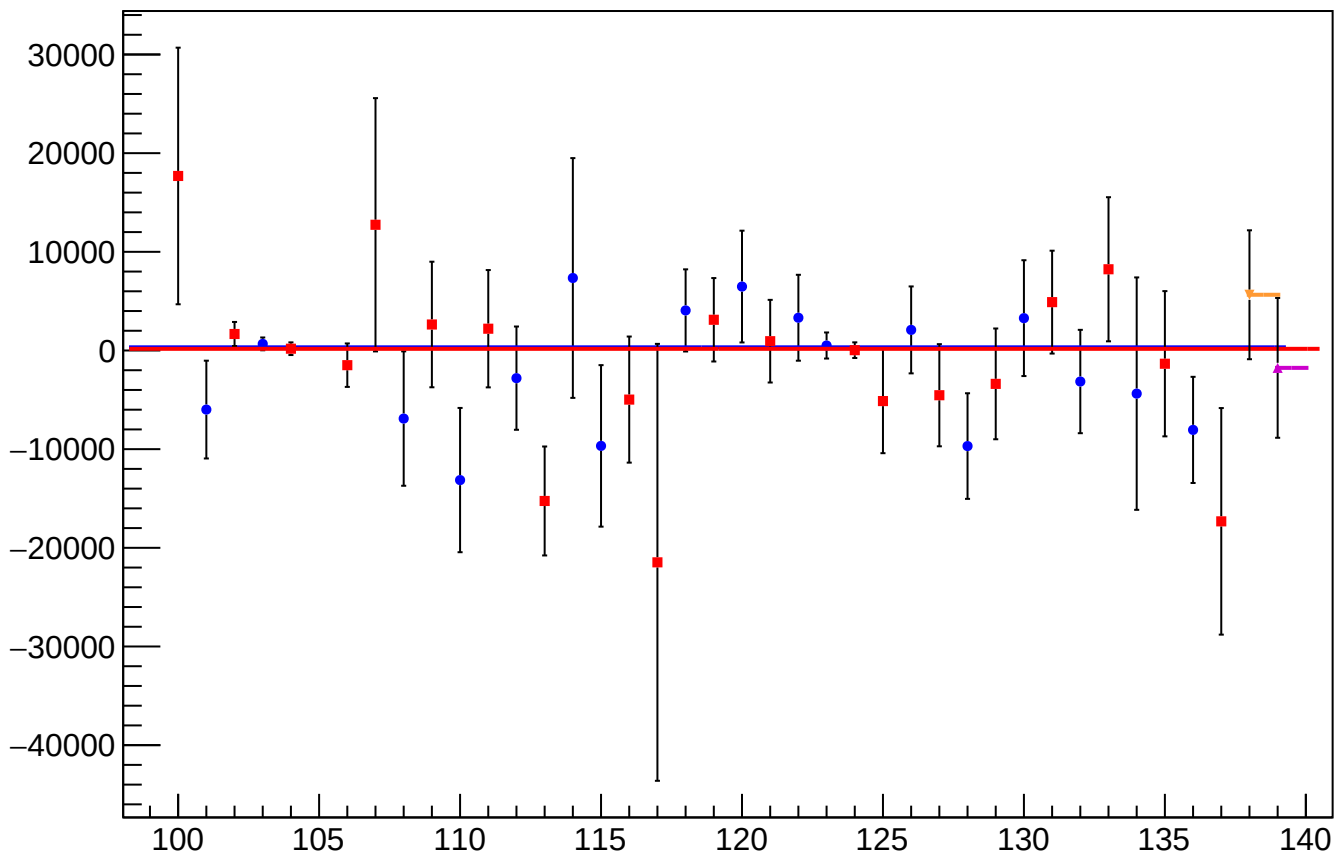
Left In: 1923.586+/-1.605 χ^2/NDF : 0.0/0

1723.873+/-0.454 χ^2/NDF : 213168.0/17

1741.616+/-0.320 χ^2/NDF : 627514.3/38

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: 5648.505+/-6533.712 χ^2/NDF : 0.0/0

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

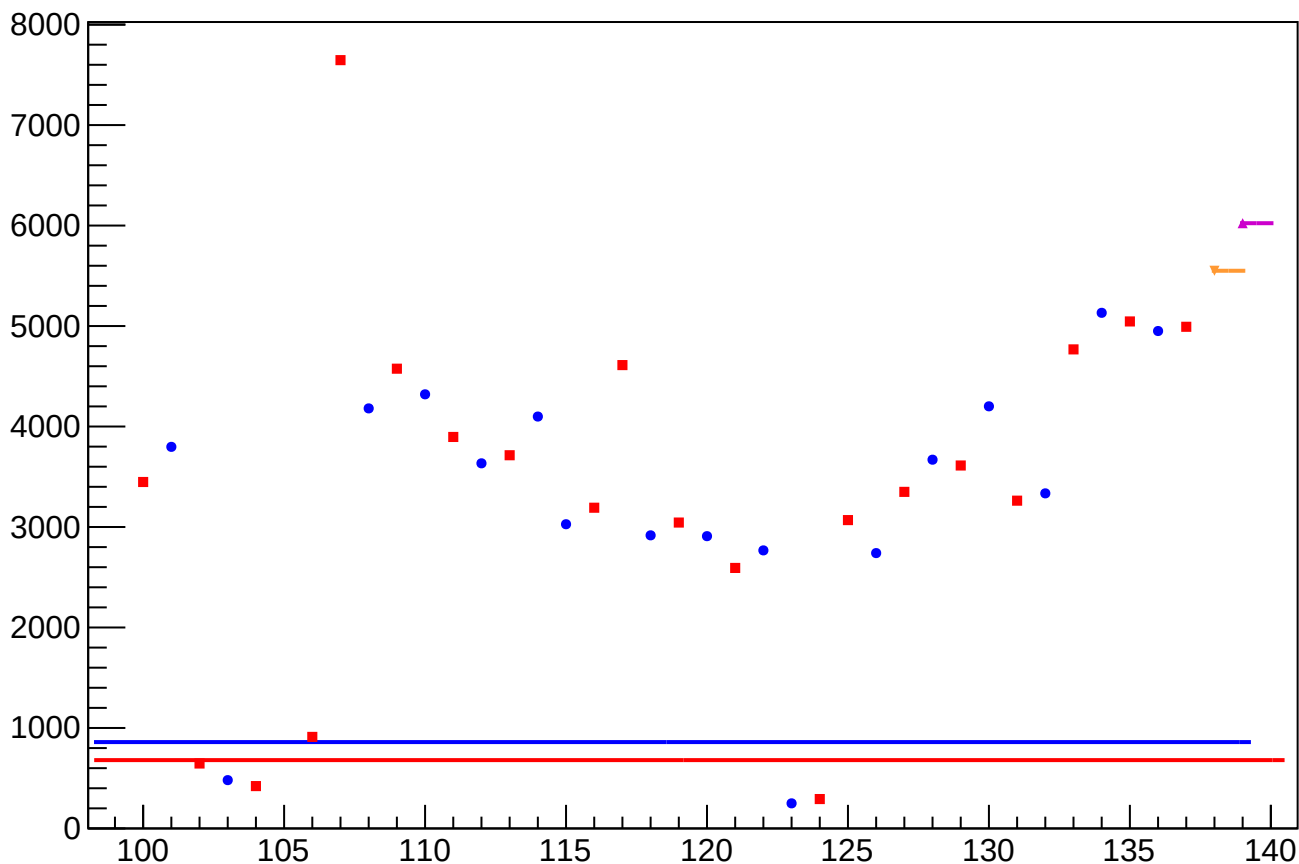
Left In: -1761.188+/-7085.400 χ^2/NDF : 0.0/0

357.095+/-538.545 χ^2/NDF : 18.7/17

238.010+/-337.293 χ^2/NDF : 40.5/38

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: 5550.124+/-4.620 χ^2/NDF : 0.0/0

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

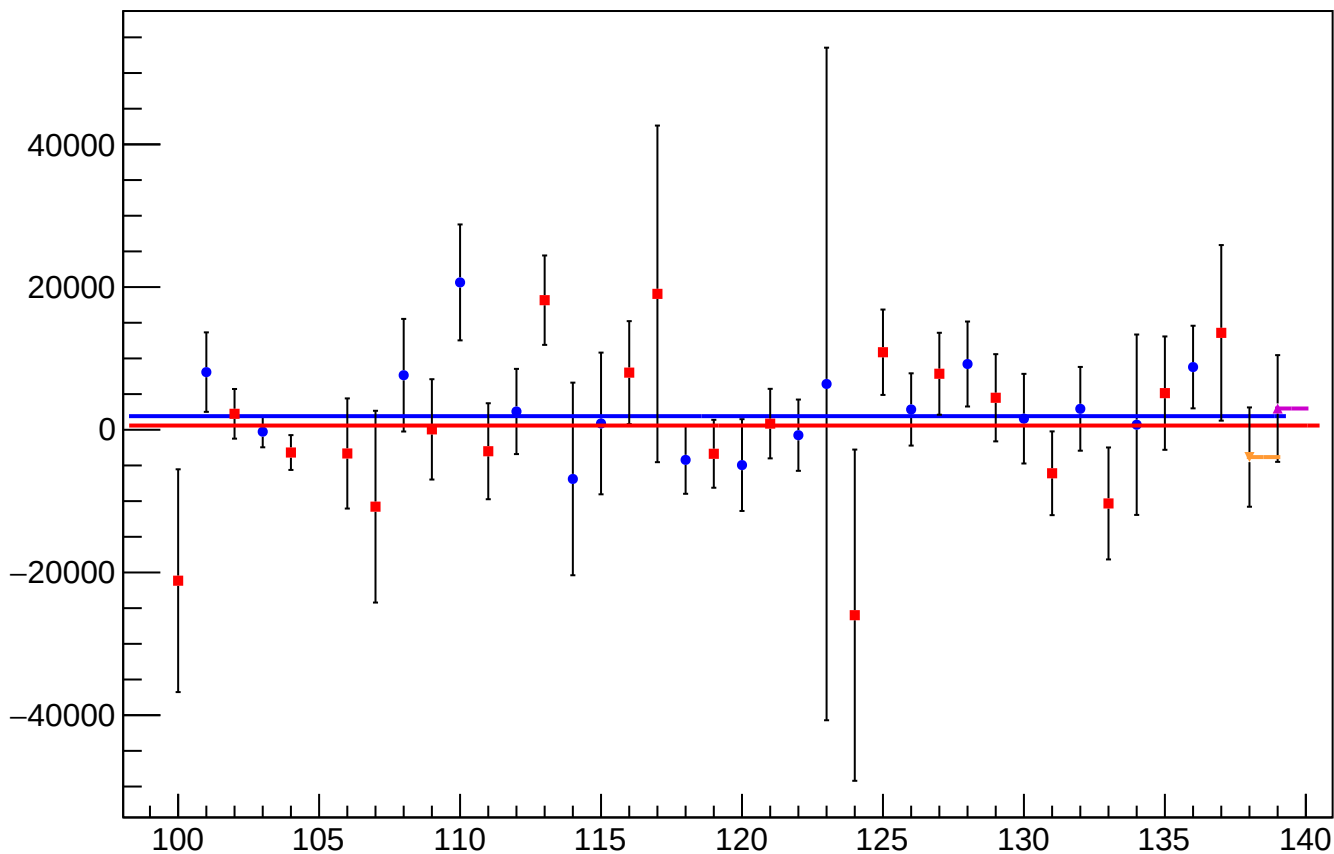
Left In: 6023.454+/-5.010 χ^2/NDF : 0.0/0

891.425+/-0.381 χ^2/NDF : 9167029.0/17

775.108+/-0.239 χ^2/NDF : 18901623.1/38

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: -3826.530+/-6960.340 χ^2/NDF : 0.0/0

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

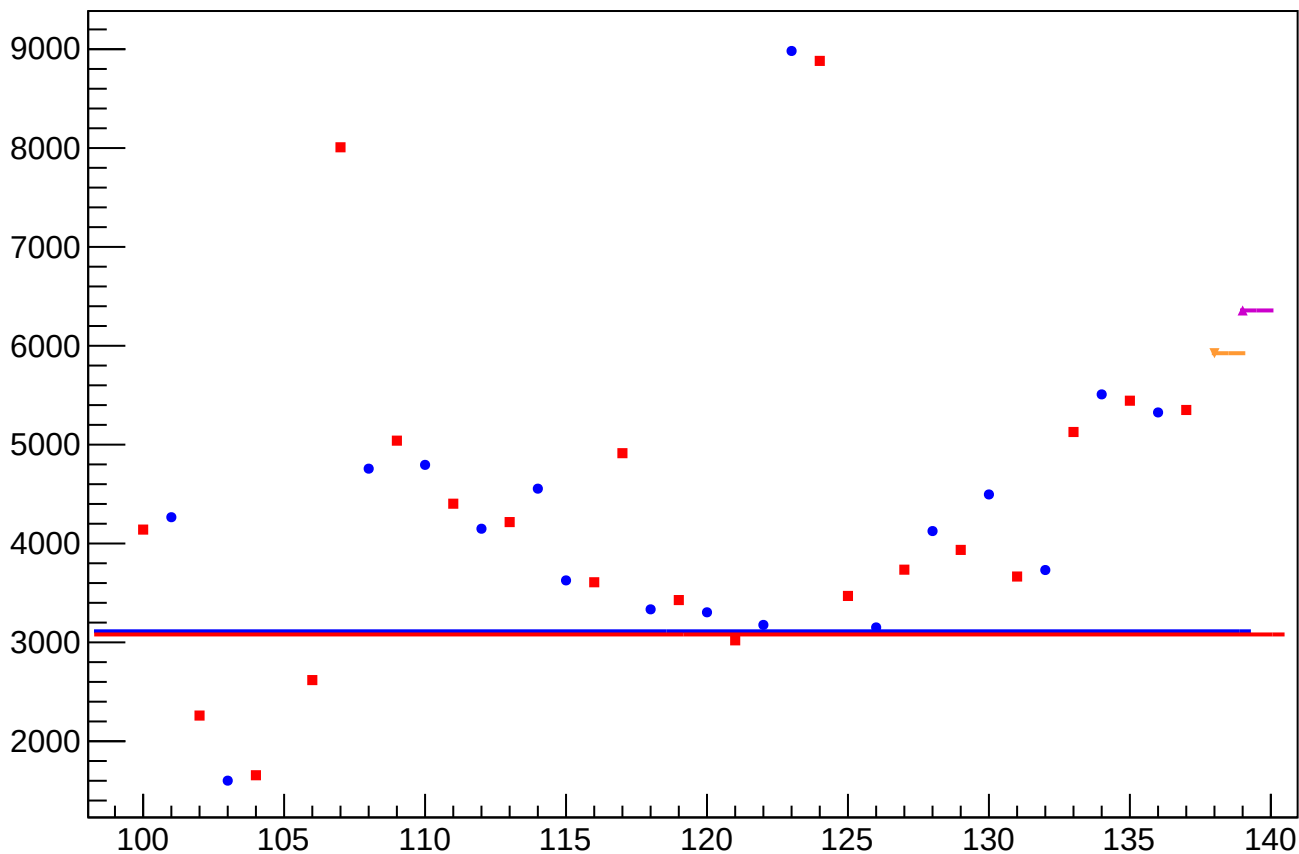
Left In: 2982.880+/-7479.708 χ^2/NDF : 0.0/0

1713.055+/-1287.605 χ^2/NDF : 15.3/17

1178.766+/-902.523 χ^2/NDF : 42.7/38

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: 5924.760+/-4.922 χ^2/NDF : 0.0/0

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

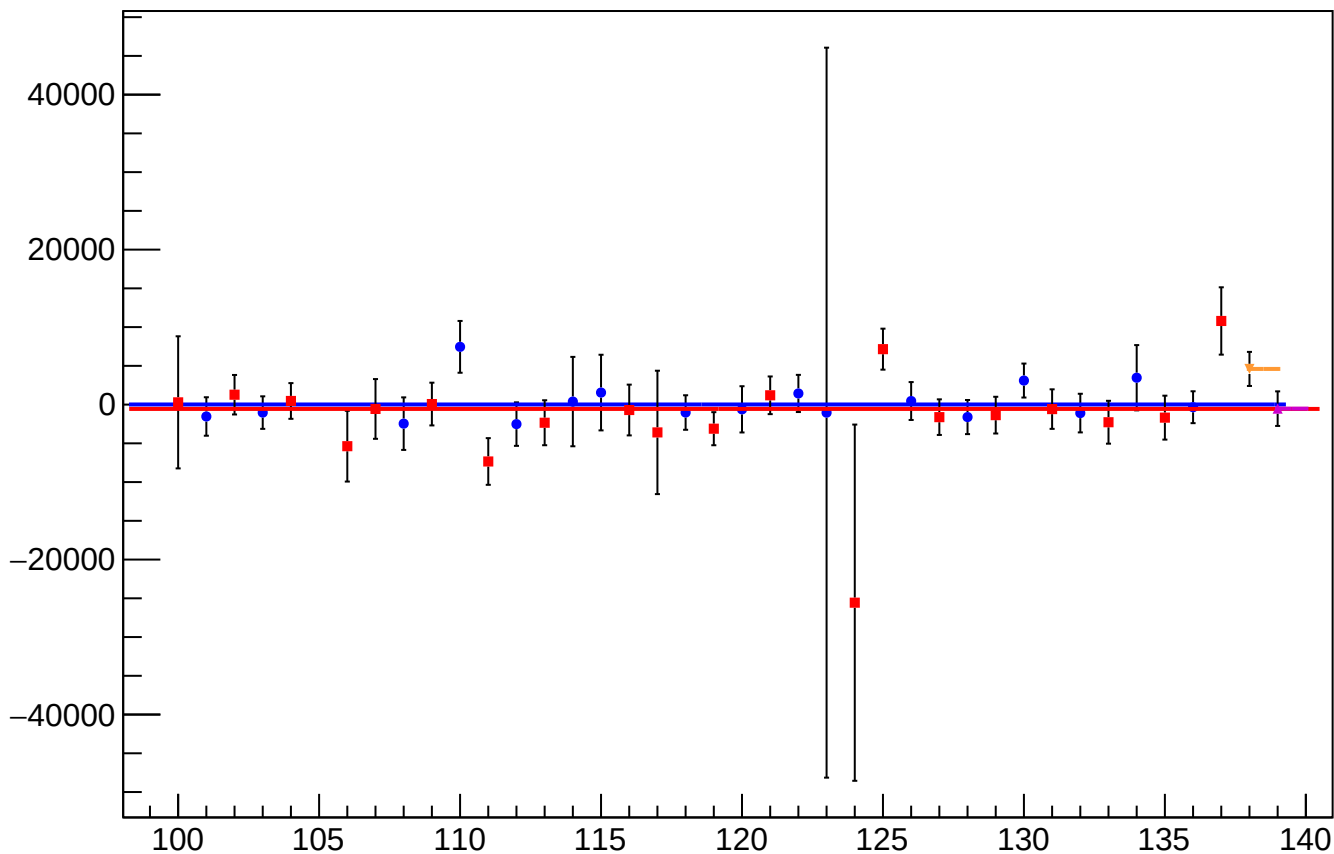
Left In: 6357.376+/-5.289 χ^2/NDF : 0.0/0

3208.088+/-0.910 χ^2/NDF : 2195034.3/17

3189.090+/-0.634 χ^2/NDF : 4586910.5/38

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: 4603.111+/-2198.687 χ^2/NDF : 0.0/0

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

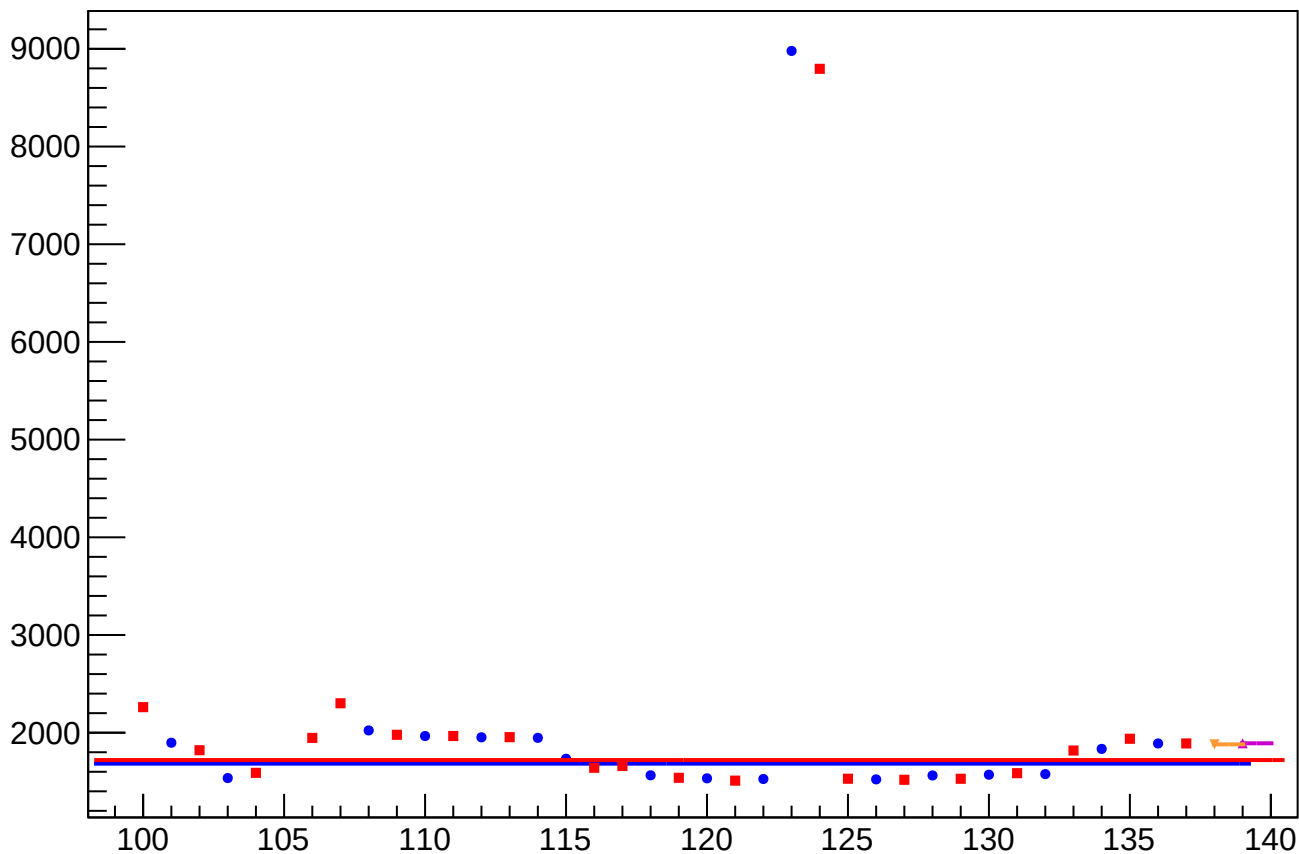
Left In: -523.164+/-2232.208 χ^2/NDF : 0.0/0

394.603+/-633.102 χ^2/NDF : 15.1/17

-81.362+/-447.253 χ^2/NDF : 43.1/38

-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: 1880.599+/-1.555 χ^2/NDF : 0.0/0

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

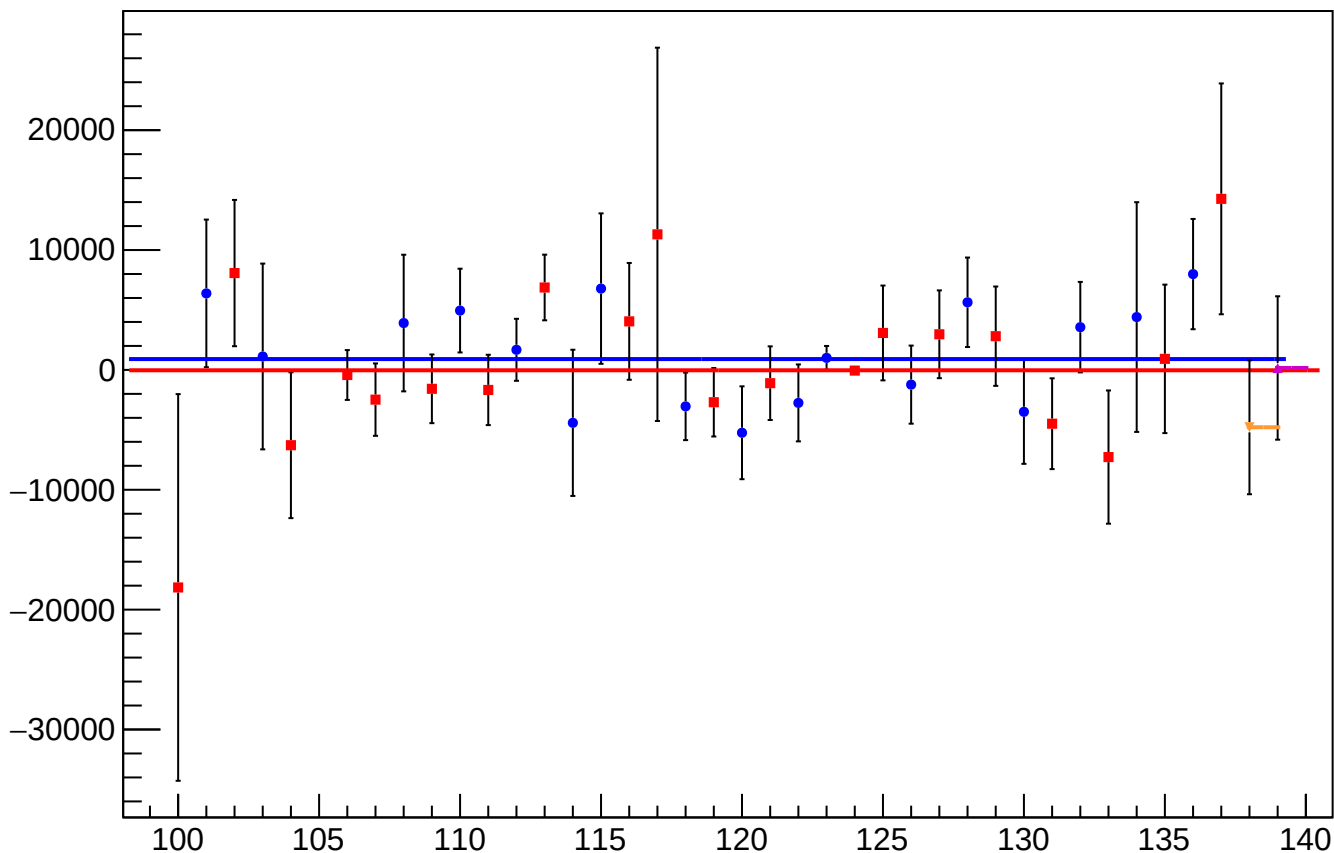
Left In: 1891.522+/-1.578 χ^2/NDF : 0.0/0

1699.621+/-0.448 χ^2/NDF : 210669.3/17

1716.711+/-0.316 χ^2/NDF : 620659.3/38

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

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 903.344 $\pm$ 705.564 χ^2 /NDF: 16.0/16

Left Out: -4785.158 $\pm$ 5588.174 χ^2 /NDF: 0.0/0

Right Out: -32.177 $\pm$ 357.083 χ^2 /NDF: 21.0/19

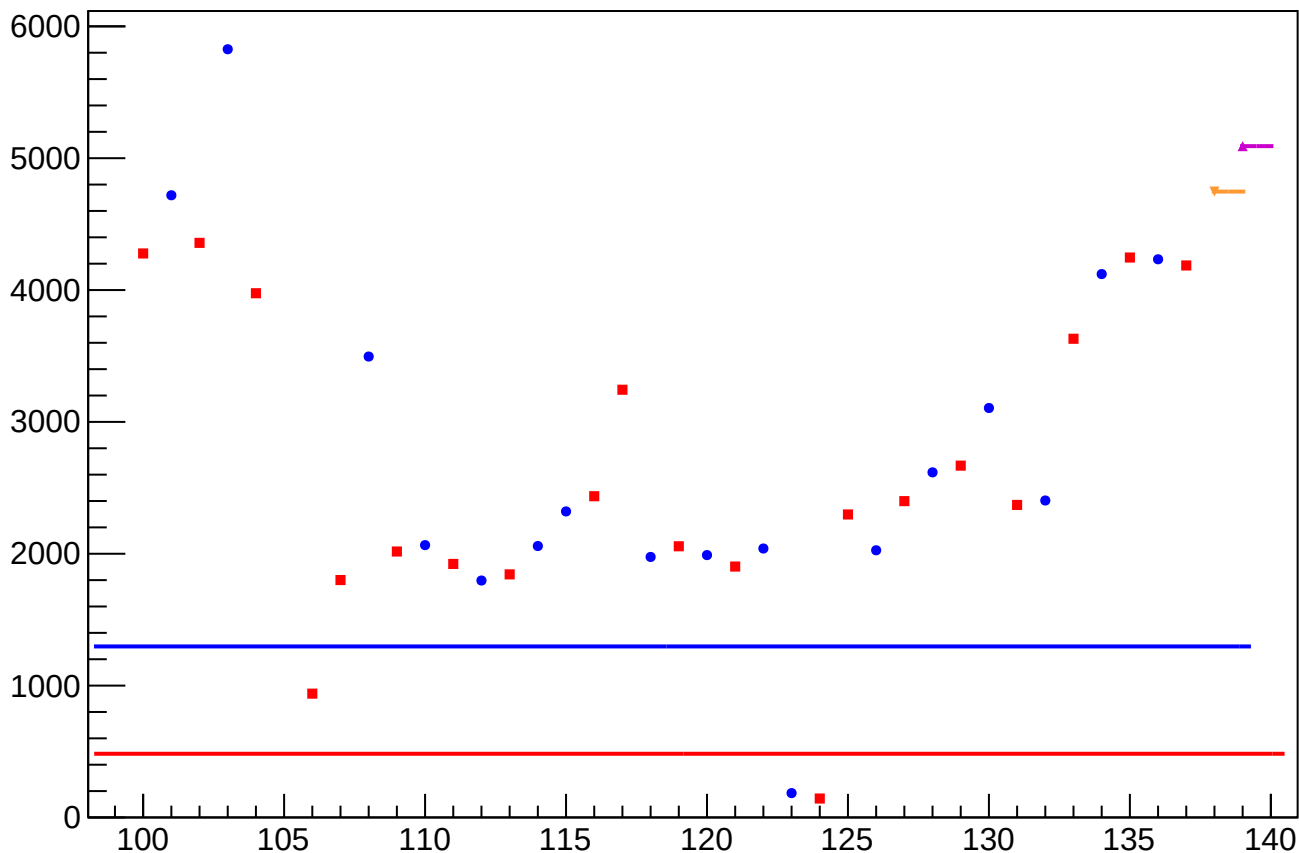
Left In: 160.235 $\pm$ 5982.104 χ^2 /NDF: 0.0/0

814.083 $\pm$ 700.007 χ^2 /NDF: 17.0/17

142.613 $\pm$ 317.638 χ^2 /NDF: 39.2/38

-31.494 $\pm$ 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: 4746.812+/-3.951 χ^2/NDF : 0.0/0

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

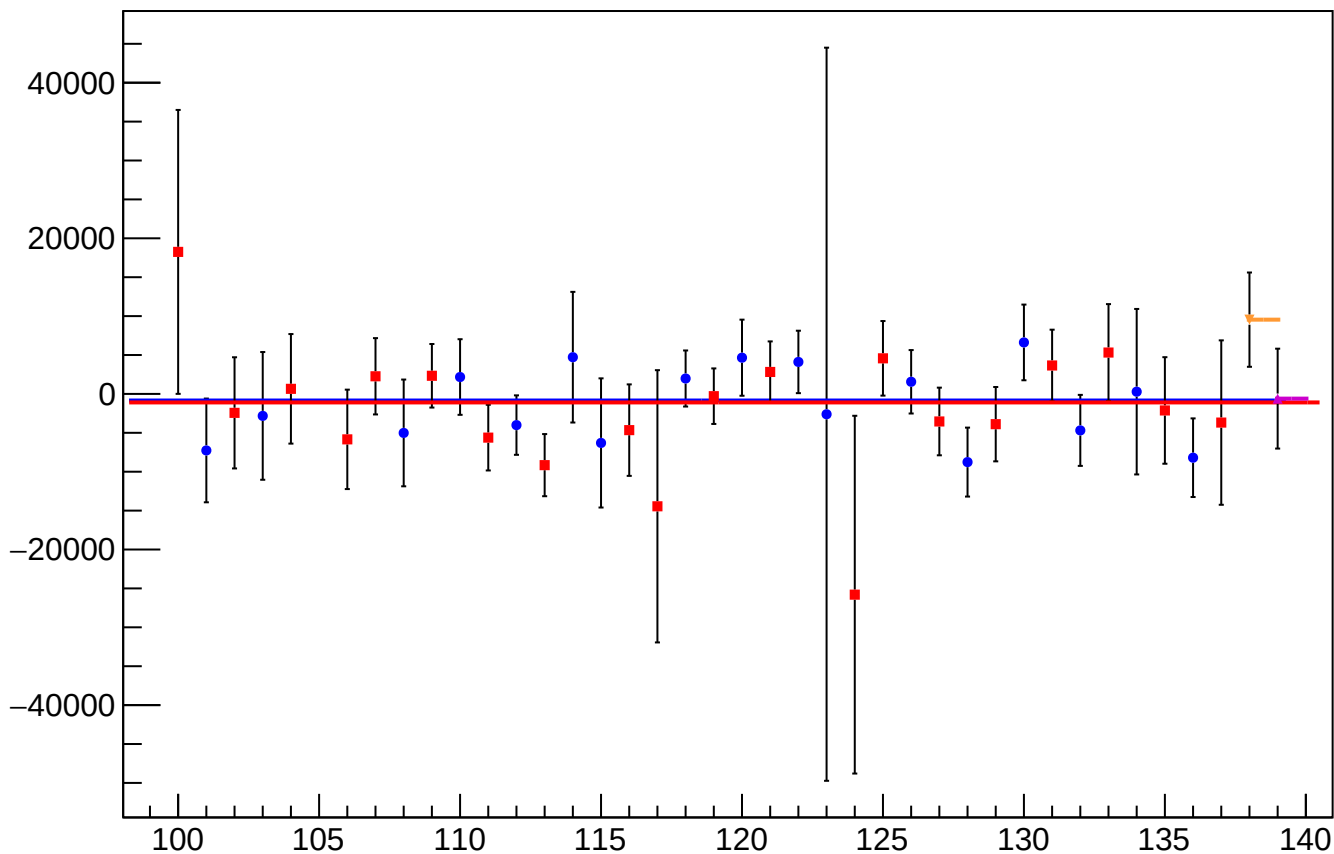
Left In: 5091.482+/-4.230 χ^2/NDF : 0.0/0

1351.137+/-0.495 χ^2/NDF : 7259867.5/17

674.768+/-0.225 χ^2/NDF : 21001026.3/38

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: 9544.505+/-6059.824 χ^2/NDF : 0.0/0

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

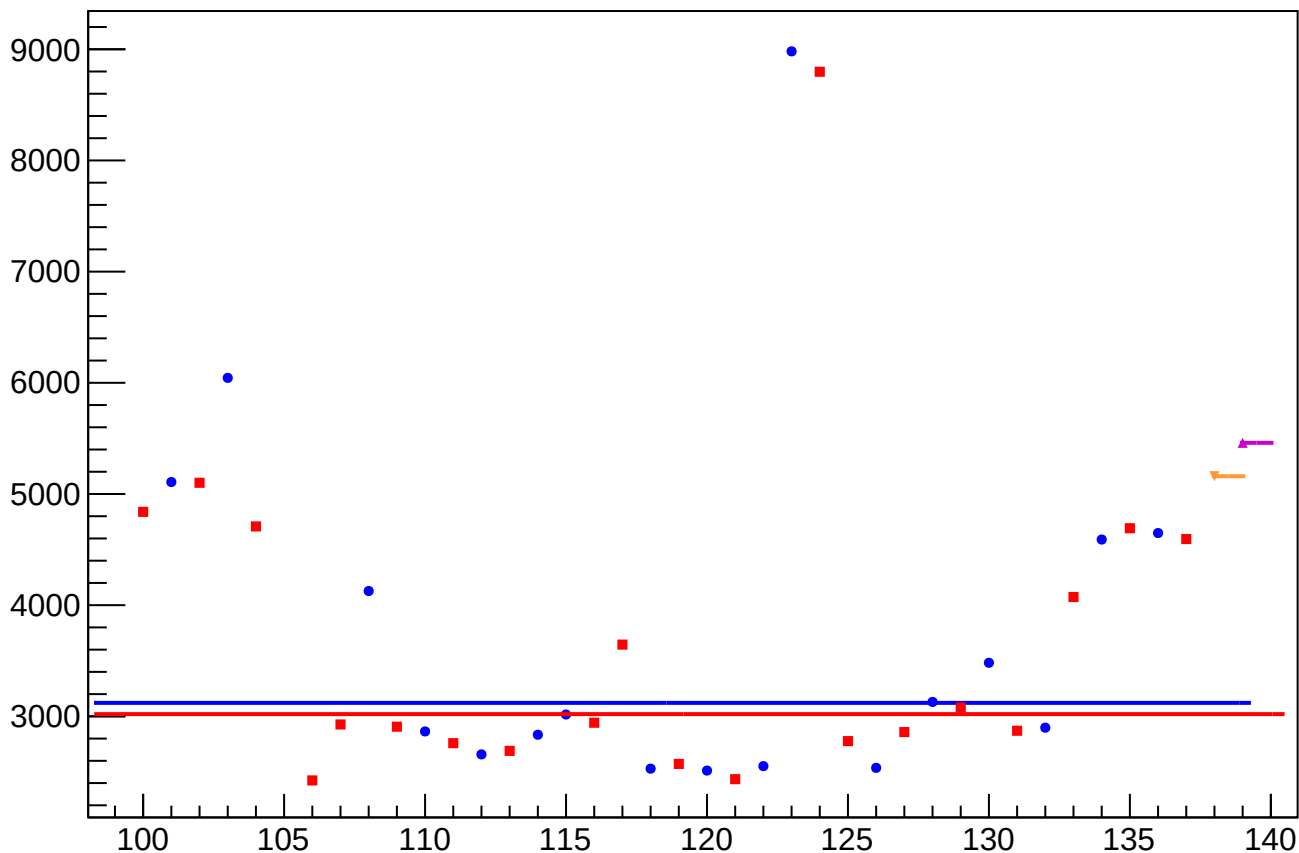
Left In: -606.184+/-6419.830 χ^2/NDF : 0.0/0

-417.958+/-1234.578 χ^2/NDF : 18.3/17

-766.664+/-848.513 χ^2/NDF : 34.0/38

-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: 5159.868+/-4.285 χ^2/NDF : 0.0/0

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

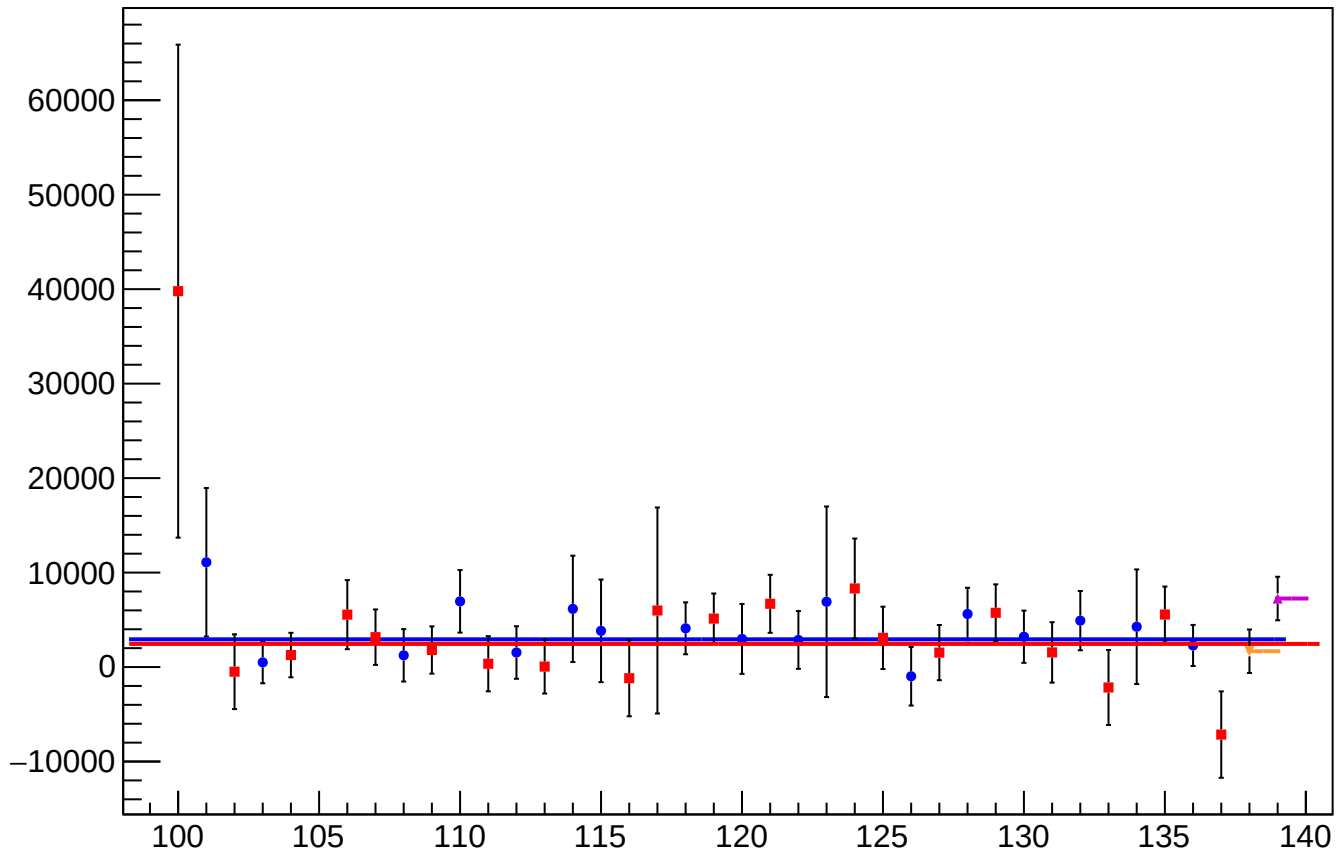
Left In: 5460.363+/-4.540 χ^2/NDF : 0.0/0

3206.025+/-0.873 χ^2/NDF : 1162628.4/17

3148.864+/-0.596 χ^2/NDF : 2244873.2/38

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: 1675.506+/-2300.661 χ^2/NDF : 0.0/0

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

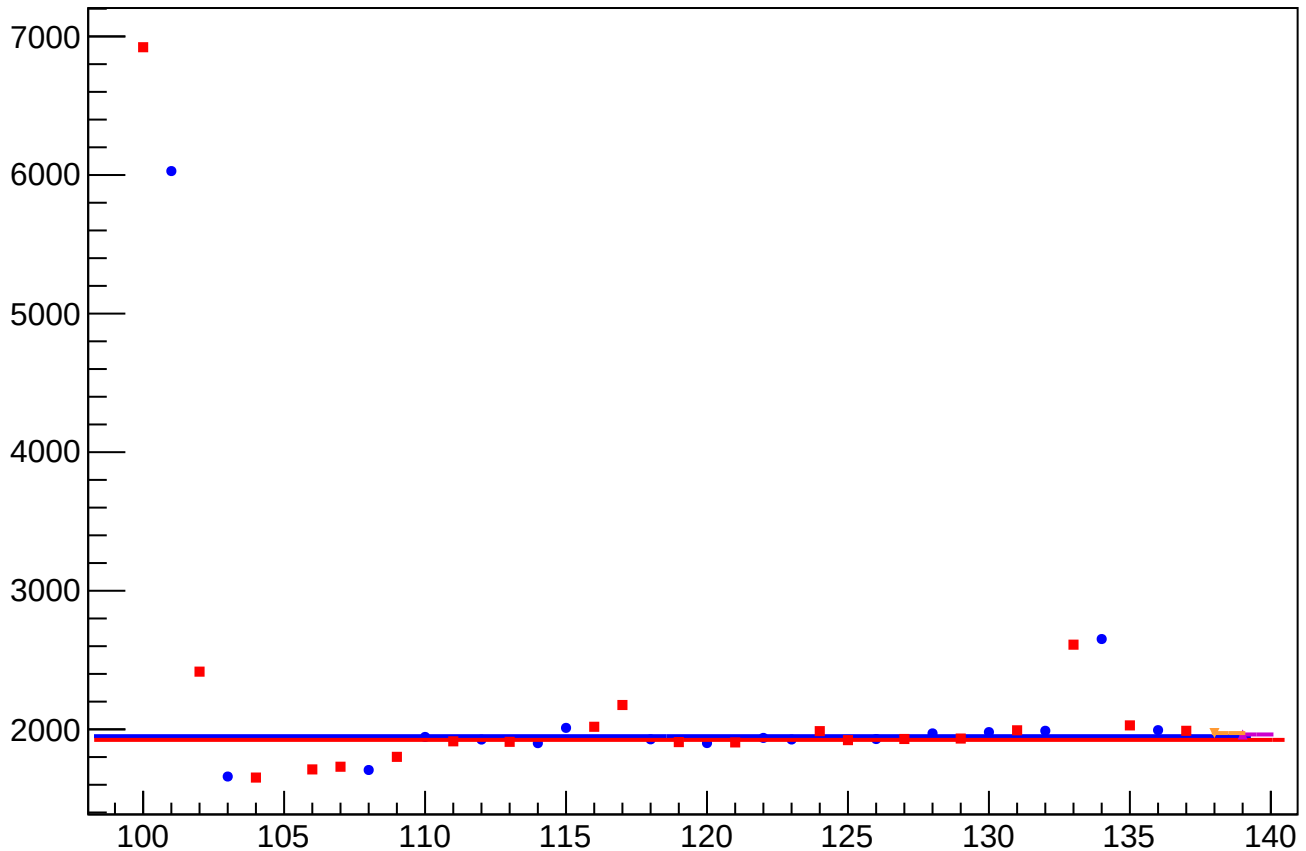
Left In: 7254.337+/-2303.914 χ^2/NDF : 0.0/0

2807.279+/-734.759 χ^2/NDF : 8.4/17

2854.109+/-508.119 χ^2/NDF : 30.6/38

2897.032+/-703.440 χ^2/NDF : 22.2/20

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1973.126 $\pm$ 1.627 χ^2 /NDF: 0.0/0

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

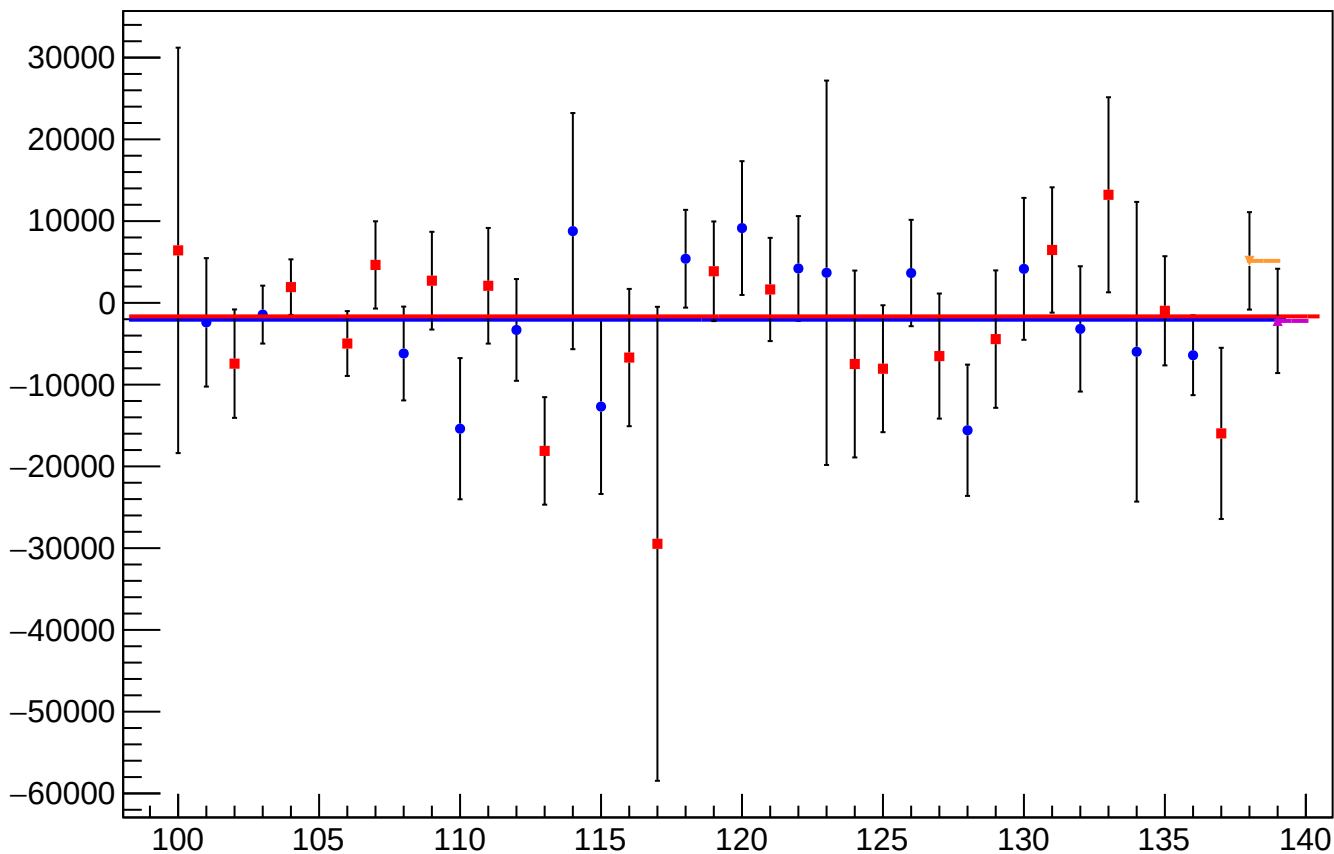
Left In: 1962.999 $\pm$ 1.629 χ^2 /NDF: 0.0/0

1952.911 $\pm$ 0.520 χ^2 /NDF: 617504.1/17

1939.644 $\pm$ 0.359 χ^2 /NDF: 837744.2/38

1927.536 $\pm$ 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: 5137.467+/-5958.987 χ^2/NDF : 0.0/0

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

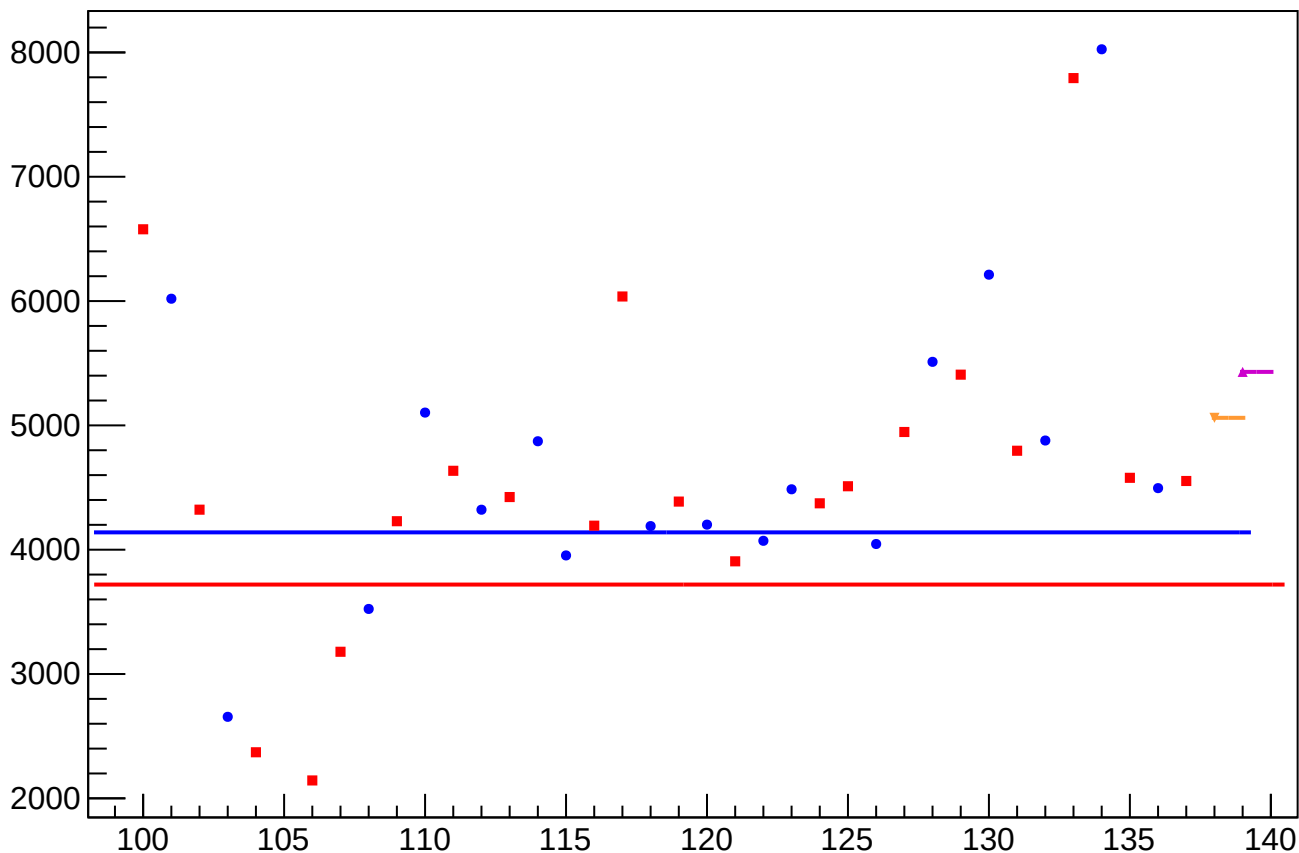
Left In: -2206.432+/-6379.679 χ^2/NDF : 0.0/0

-1538.162+/-1600.076 χ^2/NDF : 15.3/17

-1617.246+/-1069.356 χ^2/NDF : 34.8/38

-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: 5060.768+/-4.214 χ^2/NDF : 0.0/0

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

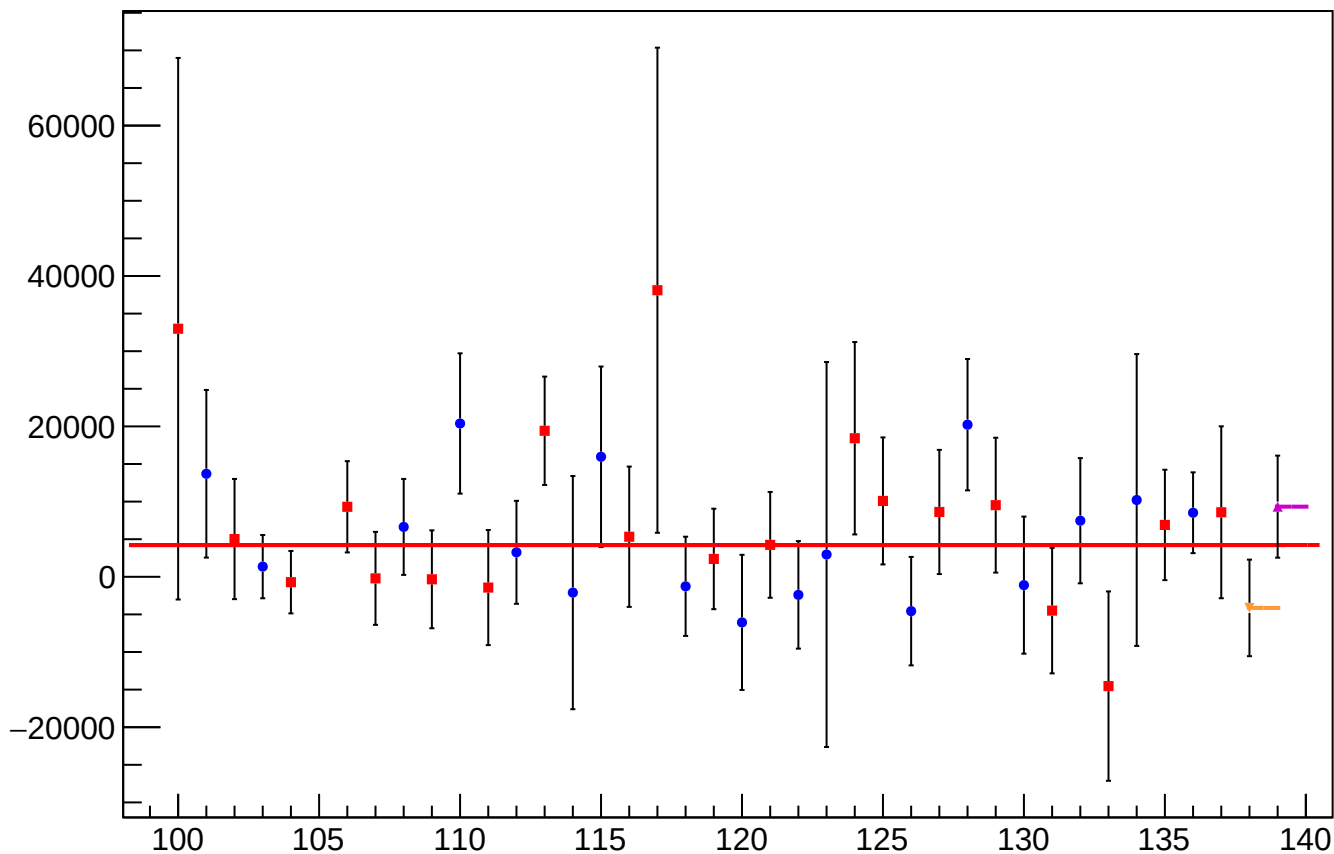
Left In: 5430.284+/-4.511 χ^2/NDF : 0.0/0

4205.825+/-1.131 χ^2/NDF : 857917.6/17

3984.806+/-0.756 χ^2/NDF : 2352034.8/38

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: -4136.747+/-6418.356 χ^2/NDF : 0.0/0

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

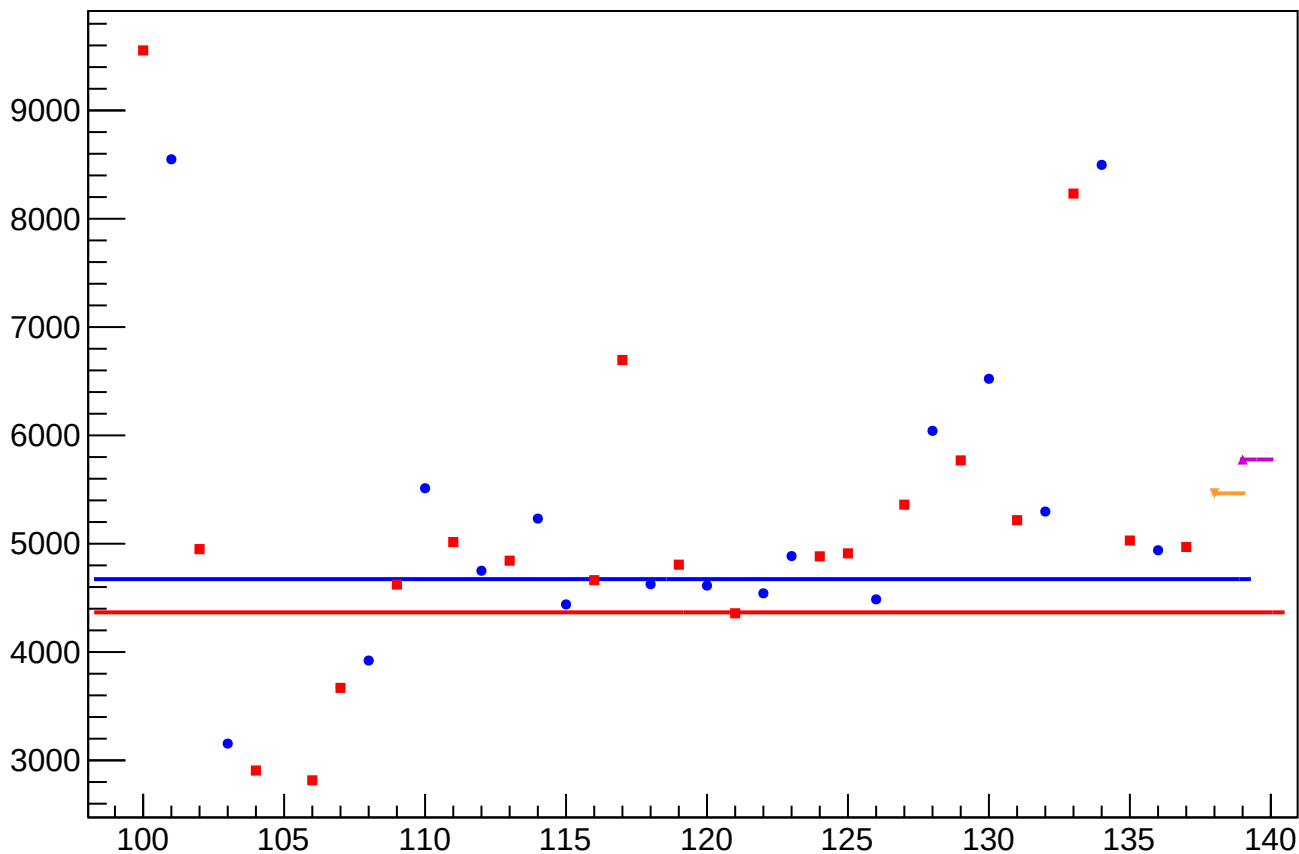
Left In: 9327.204+/-6785.758 χ^2/NDF : 0.0/0

3557.776+/-1796.506 χ^2/NDF : 16.0/17

4084.310+/-1223.107 χ^2/NDF : 32.6/38

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: 5465.140 $\pm$ 4.538 χ^2 /NDF: 0.0/0

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

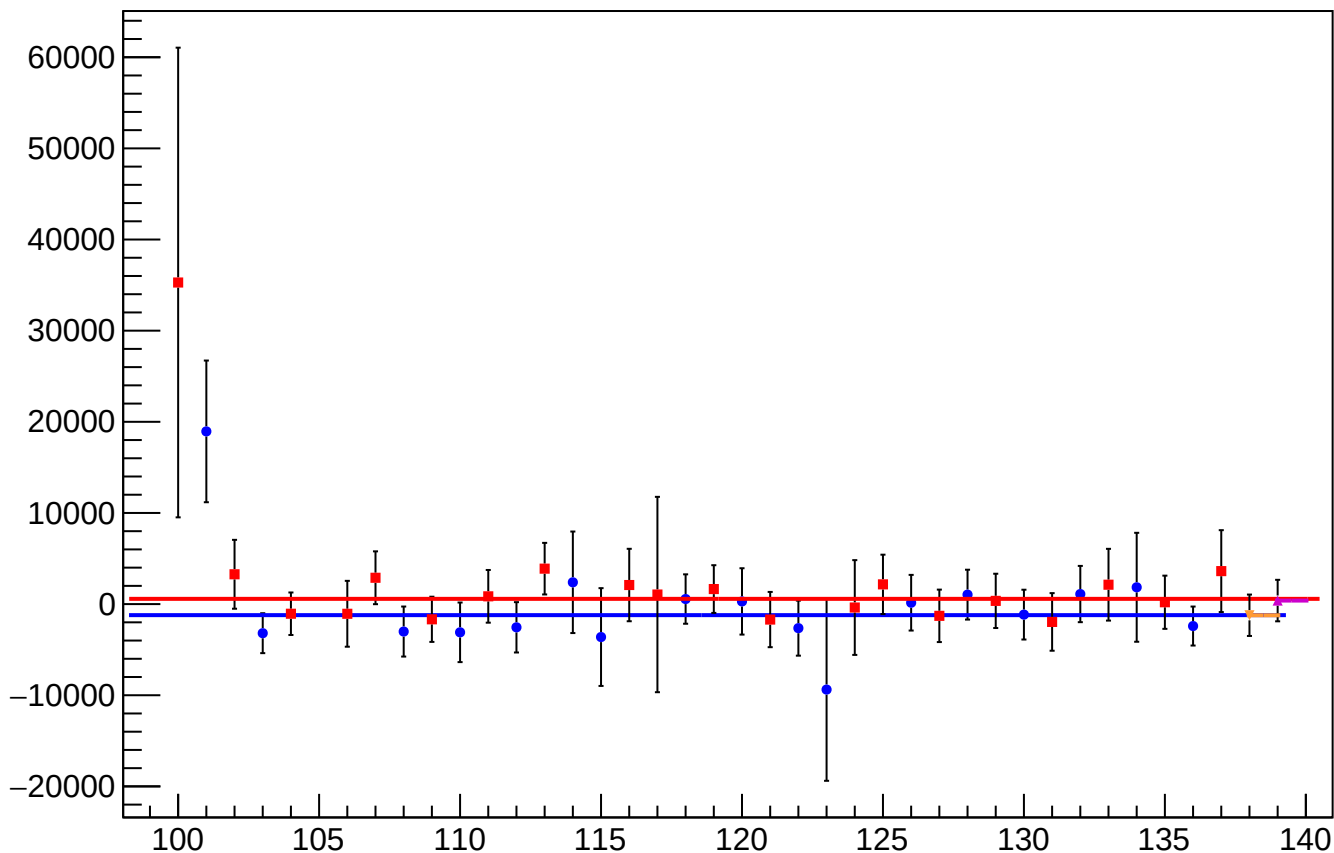
Left In: 5777.165 $\pm$ 4.798 χ^2 /NDF: 0.0/0

4735.102 $\pm$ 1.270 χ^2 /NDF: 805395.2/17

4581.886 $\pm$ 0.862 χ^2 /NDF: 1756294.5/38

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: -1225.196+/-2270.483 χ^2/NDF : 0.0/0

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

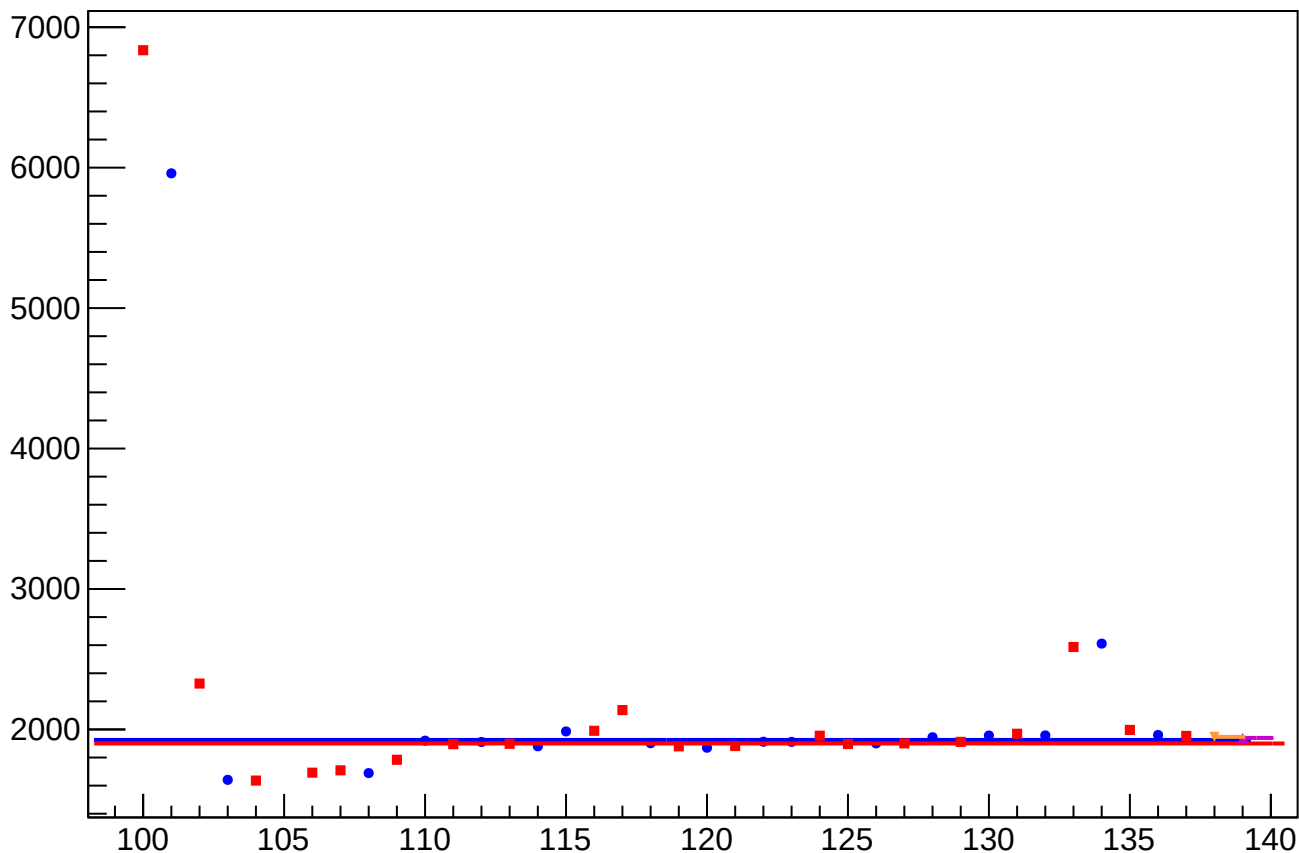
Left In: 386.843+/-2276.255 χ^2/NDF : 0.0/0

-1212.606+/-725.206 χ^2/NDF : 12.7/17

-288.647+/-501.493 χ^2/NDF : 24.5/38

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: 1947.244+/-1.605 χ^2/NDF : 0.0/0

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

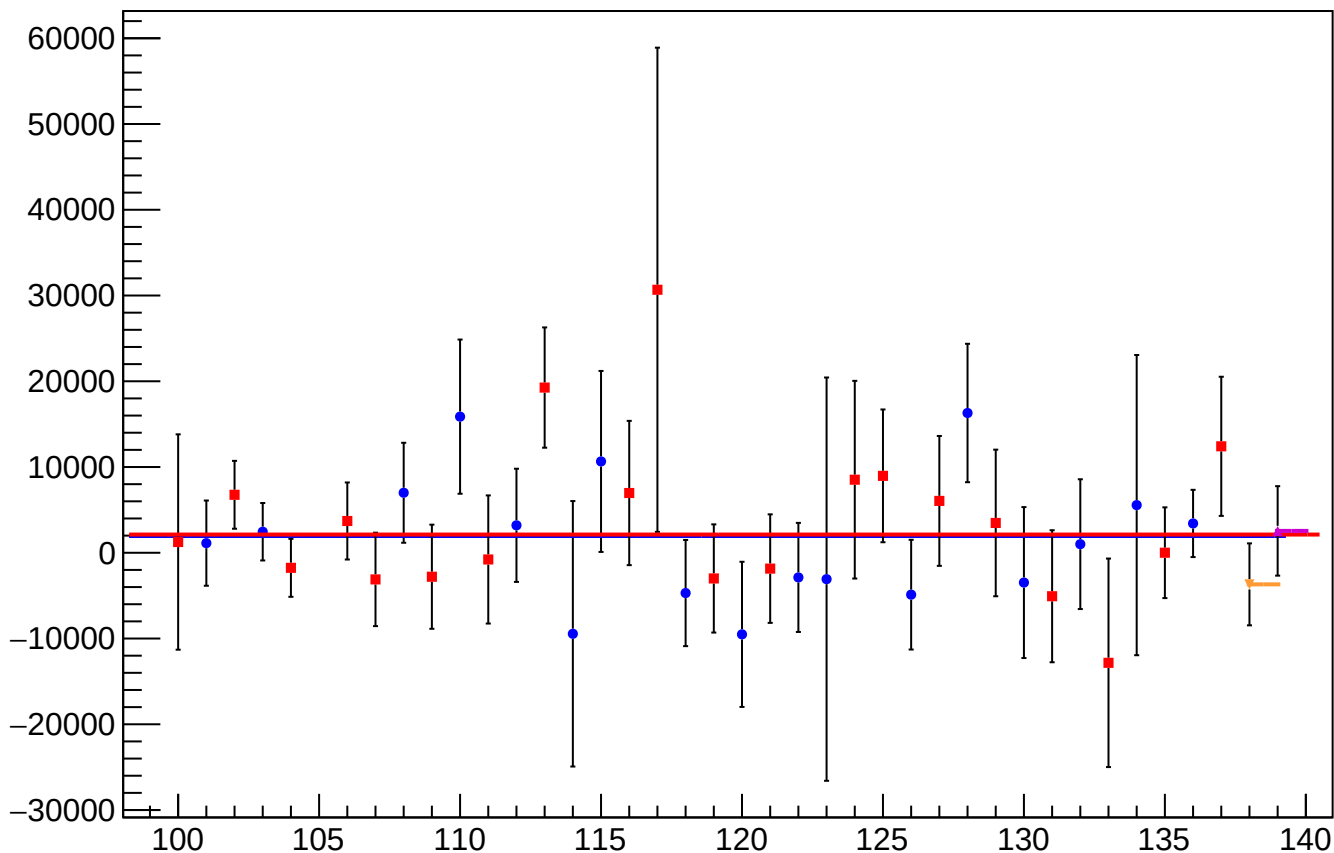
Left In: 1939.506+/-1.610 χ^2/NDF : 0.0/0

1927.557+/-0.513 χ^2/NDF : 616031.1/17

1915.041+/-0.354 χ^2/NDF : 829583.4/38

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

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -3683.684 $\pm$ 4779.140 χ^2 /NDF: 0.0/0

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

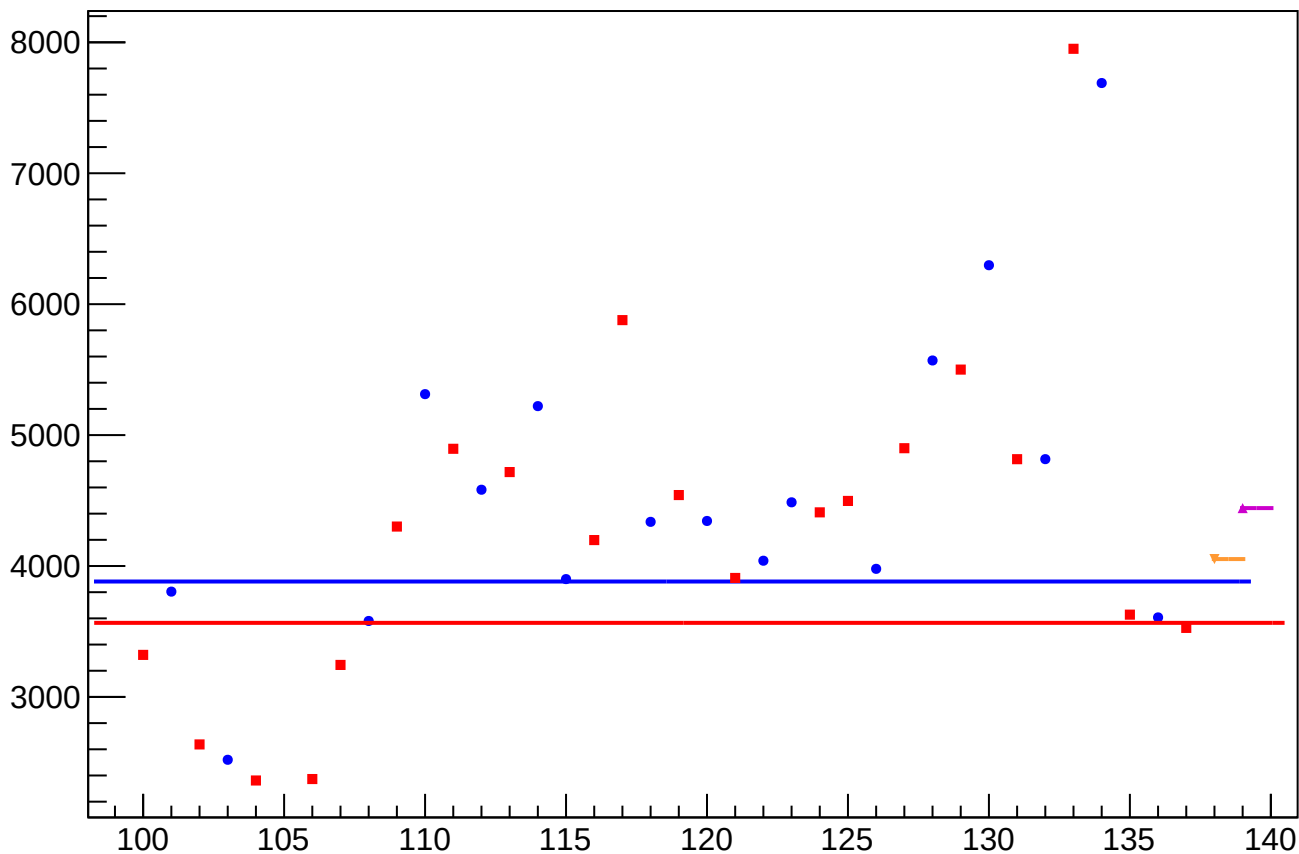
Left In: 2549.627 $\pm$ 5216.805 χ^2 /NDF: 0.0/0

1417.710 $\pm$ 1480.278 χ^2 /NDF: 14.2/17

1815.909 $\pm$ 1002.625 χ^2 /NDF: 32.8/38

2153.434 $\pm$ 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: 4053.032+/-3.379 χ^2/NDF : 0.0/0

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

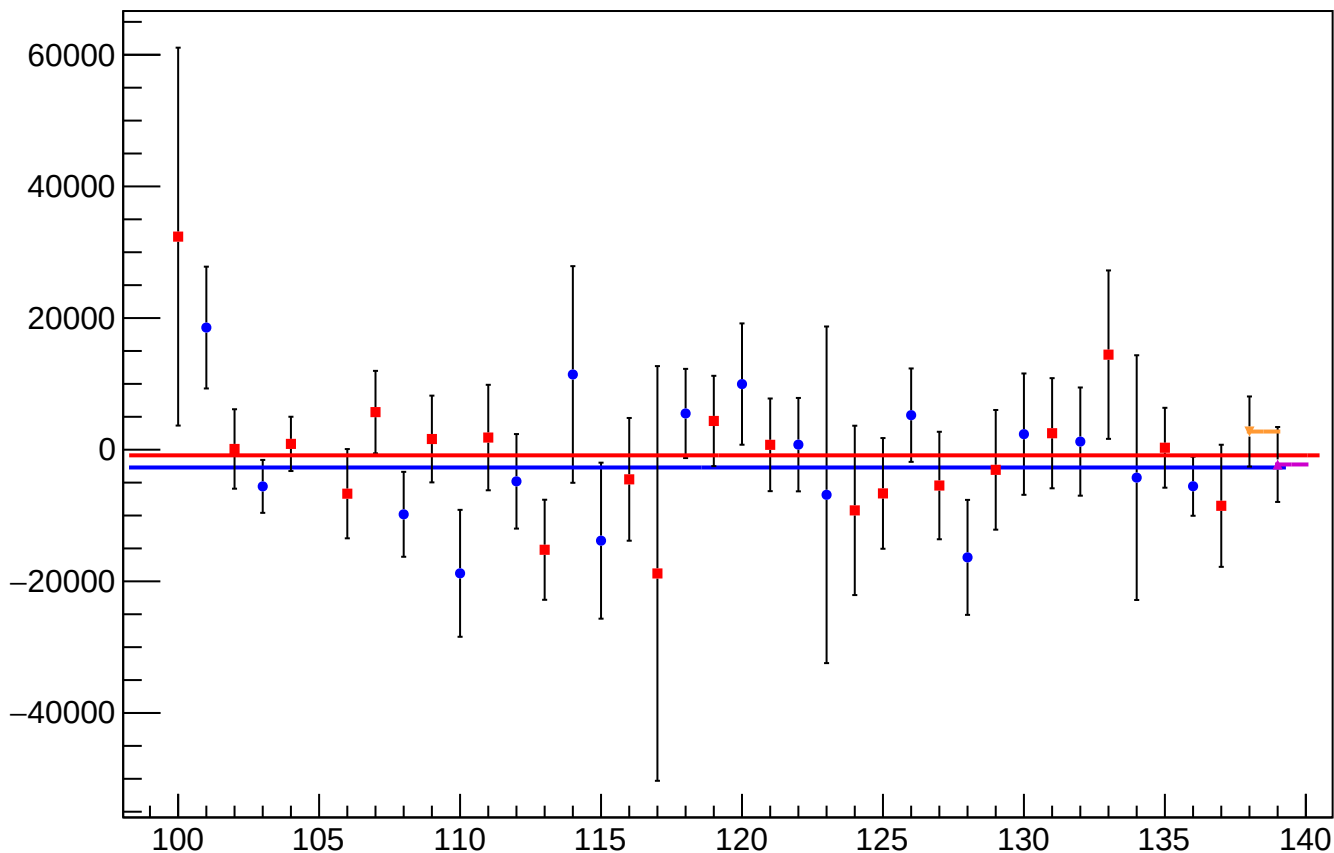
Left In: 4442.369+/-3.689 χ^2/NDF : 0.0/0

3898.026+/-1.047 χ^2/NDF : 819793.8/17

3750.618+/-0.709 χ^2/NDF : 2164018.2/38

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: 2759.468+/-5329.044 χ^2/NDF : 0.0/0

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

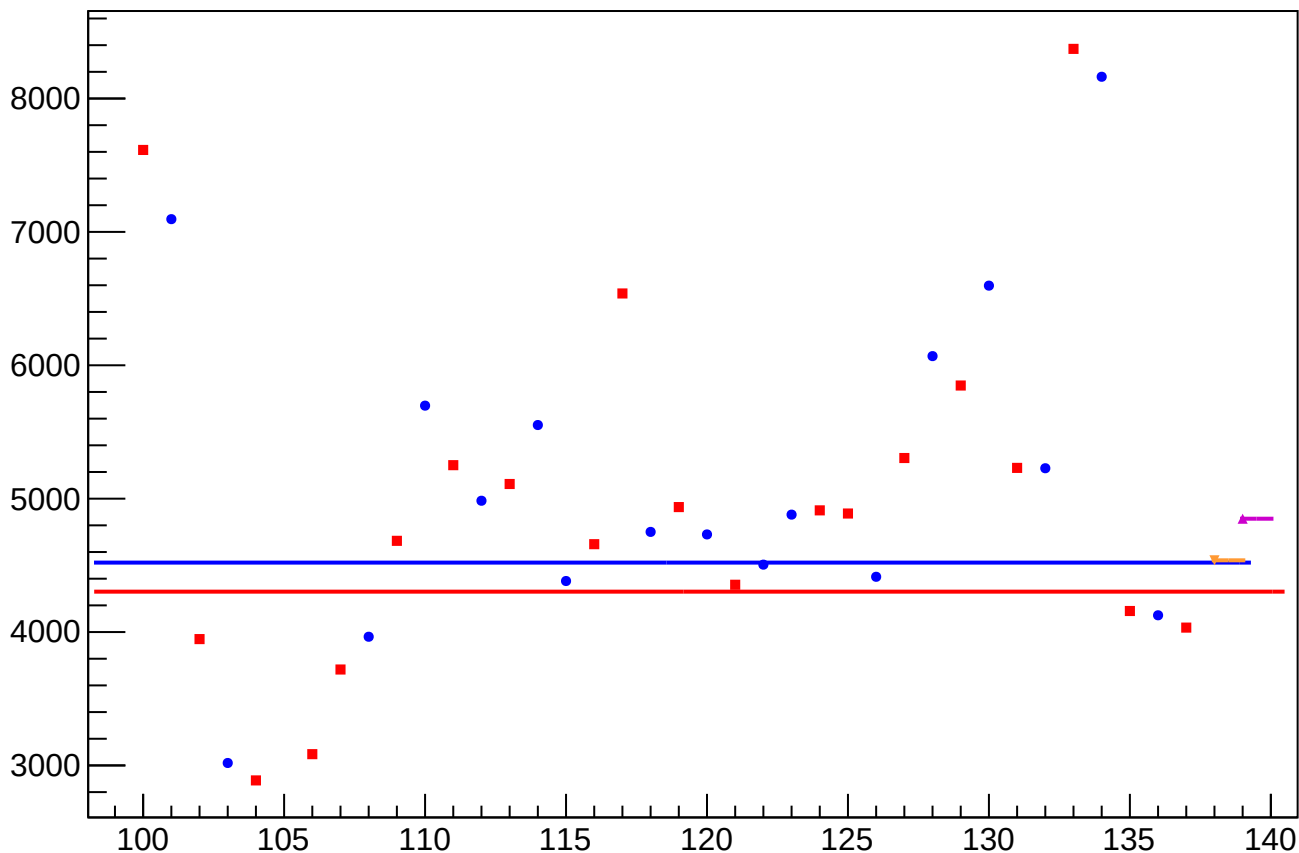
Left In: -2244.148+/-5694.110 χ^2/NDF : 0.0/0

-2136.490+/-1713.040 χ^2/NDF : 20.7/17

-1519.901+/-1176.386 χ^2/NDF : 32.9/38

-969.614+/-1618.319 χ^2/NDF : 11.9/20

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685+/-1.279 χ^2/NDF : 770887.4/16

Left Out: 4537.753+/-3.768 χ^2/NDF : 0.0/0

Right Out: 4302.892+/-1.187 χ^2/NDF : 781886.1/19

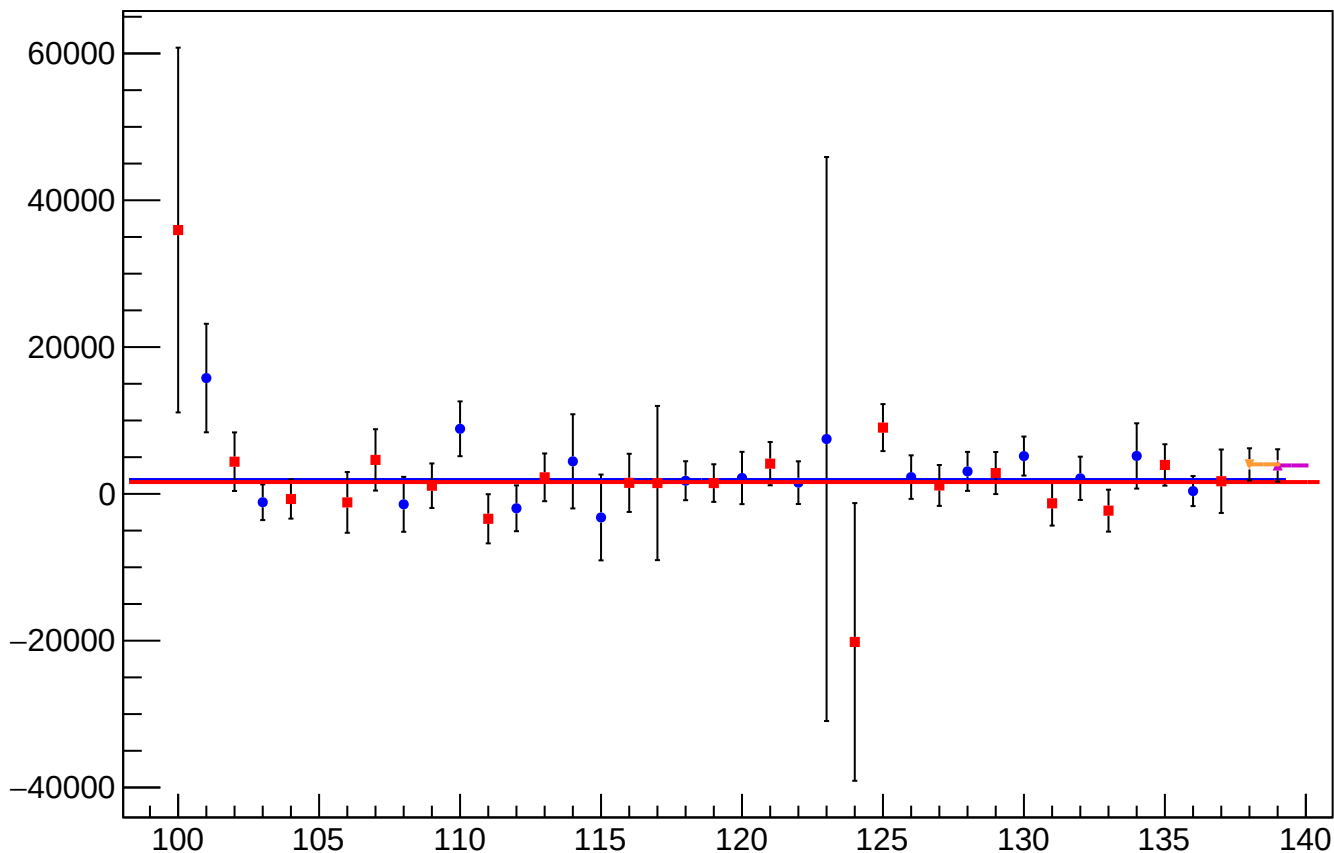
Left In: 4849.756+/-4.026 χ^2/NDF : 0.0/0

4522.448+/-1.211 χ^2/NDF : 770905.8/17

4429.090+/-0.830 χ^2/NDF : 1580952.1/38

4346.617+/-1.139 χ^2/NDF : 798858.6/20

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1887.915+/-783.827 χ^2/NDF : 14.7/16

Left Out: 4023.491+/-2189.325 χ^2/NDF : 0.0/0

Right Out: 1609.604+/-763.815 χ^2/NDF : 17.5/19

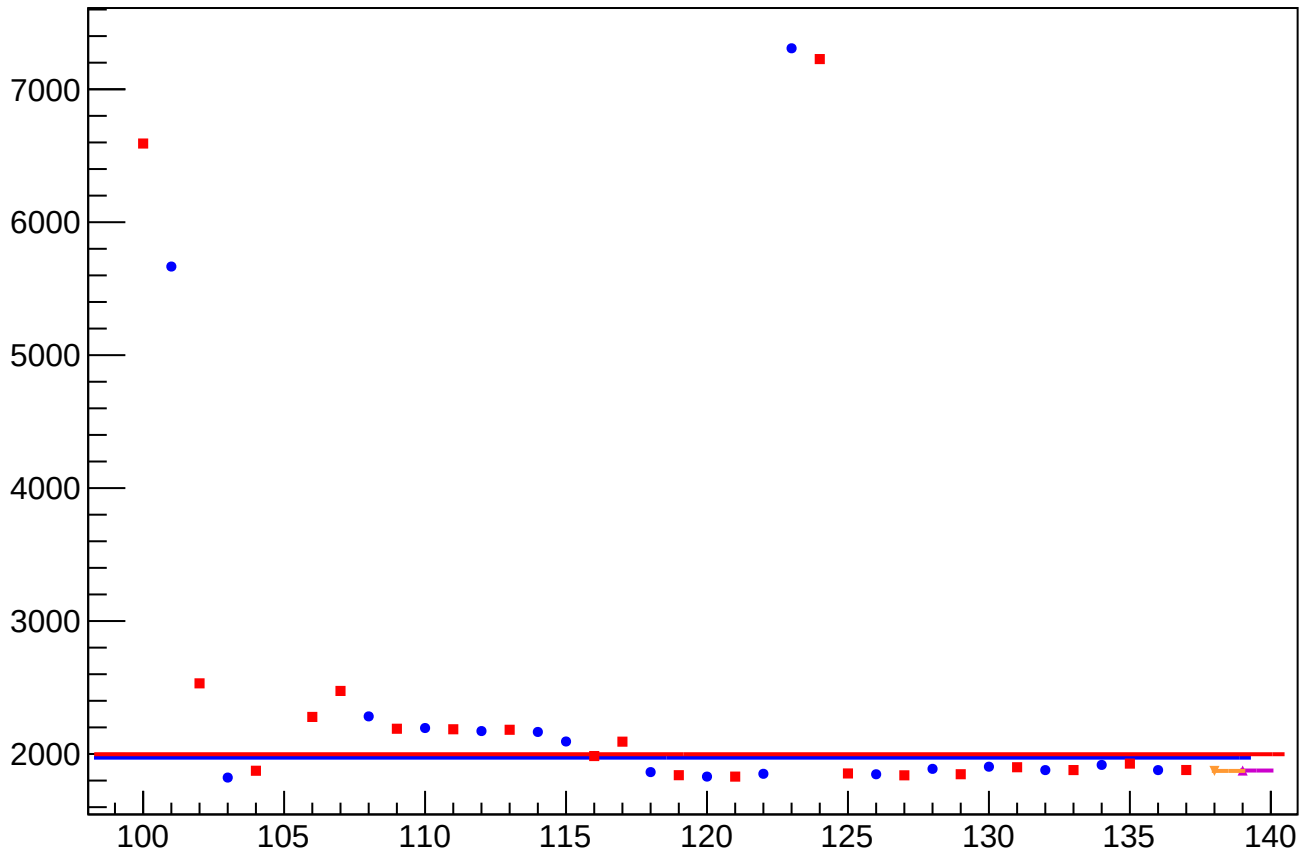
Left In: 3873.195+/-2207.153 χ^2/NDF : 0.0/0

2130.551+/-737.957 χ^2/NDF : 15.5/17

1988.041+/-516.012 χ^2/NDF : 34.0/38

1851.698+/-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: 1872.559+/-1.548 χ^2/NDF : 0.0/0

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

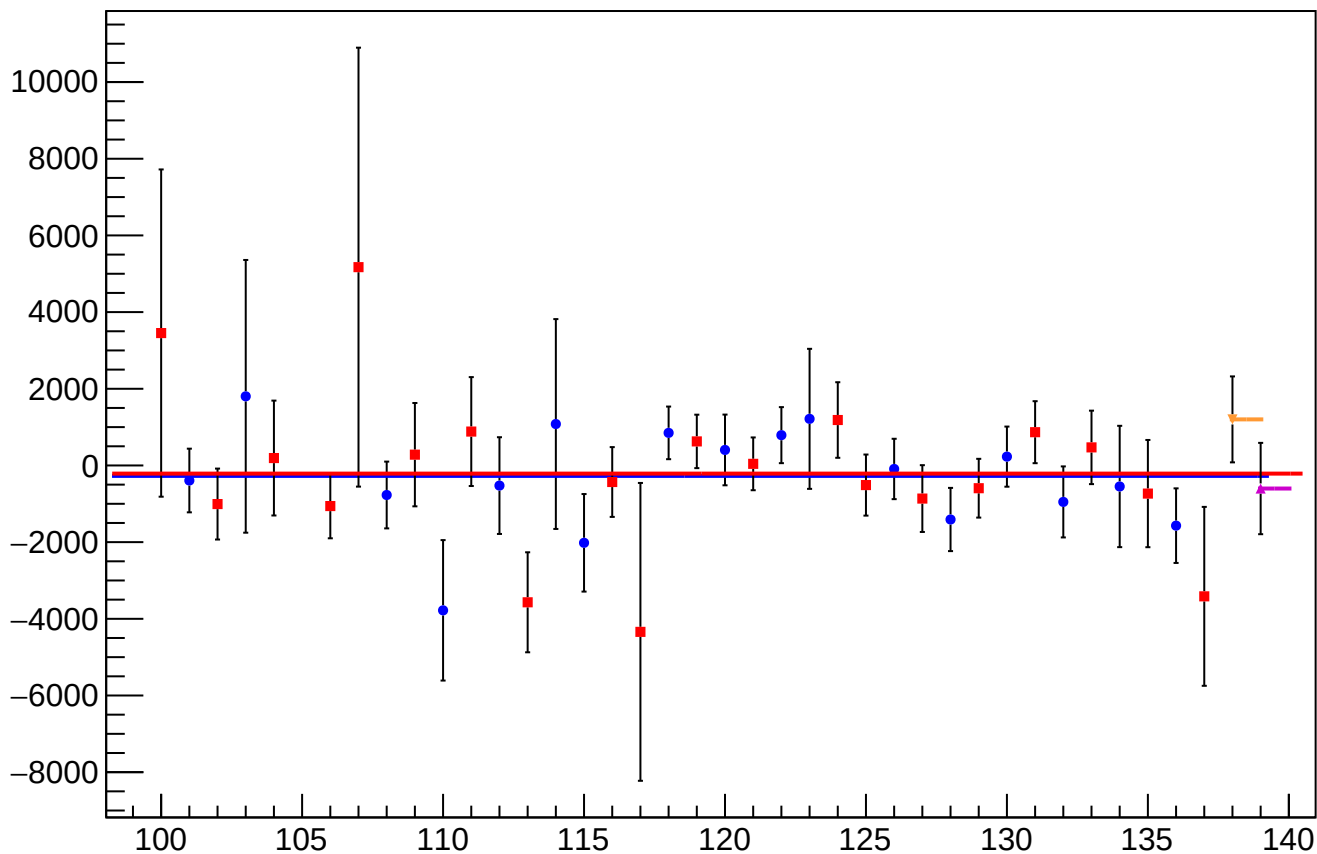
Left In: 1875.455+/-1.561 χ^2/NDF : 0.0/0

1961.131+/-0.522 χ^2/NDF : 604562.6/17

1973.343+/-0.365 χ^2/NDF : 966888.9/38

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: 1201.557+/-1120.983 χ^2/NDF : 0.0/0

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

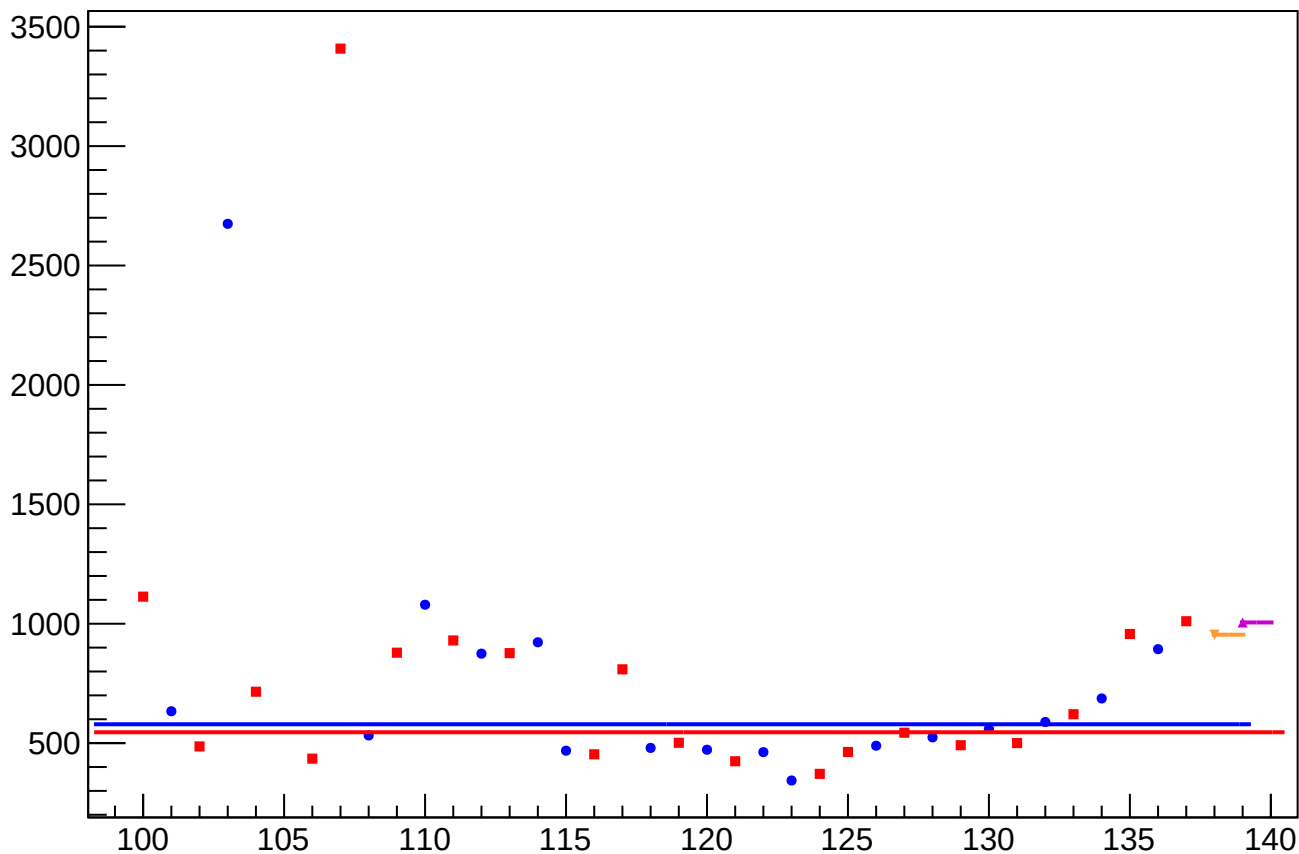
Left In: -601.883+/-1191.094 χ^2/NDF : 0.0/0

-207.088+/-234.882 χ^2/NDF : 18.9/17

-217.285+/-162.306 χ^2/NDF : 39.8/38

-226.603+/-224.539 χ^2/NDF : 21.0/20

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 579.010 $\pm$ 0.170 χ^2 /NDF: 1422148.6/16

Left Out: 954.125 $\pm$ 0.793 χ^2 /NDF: 0.0/0

Right Out: 545.590 $\pm$ 0.162 χ^2 /NDF: 1467038.8/19

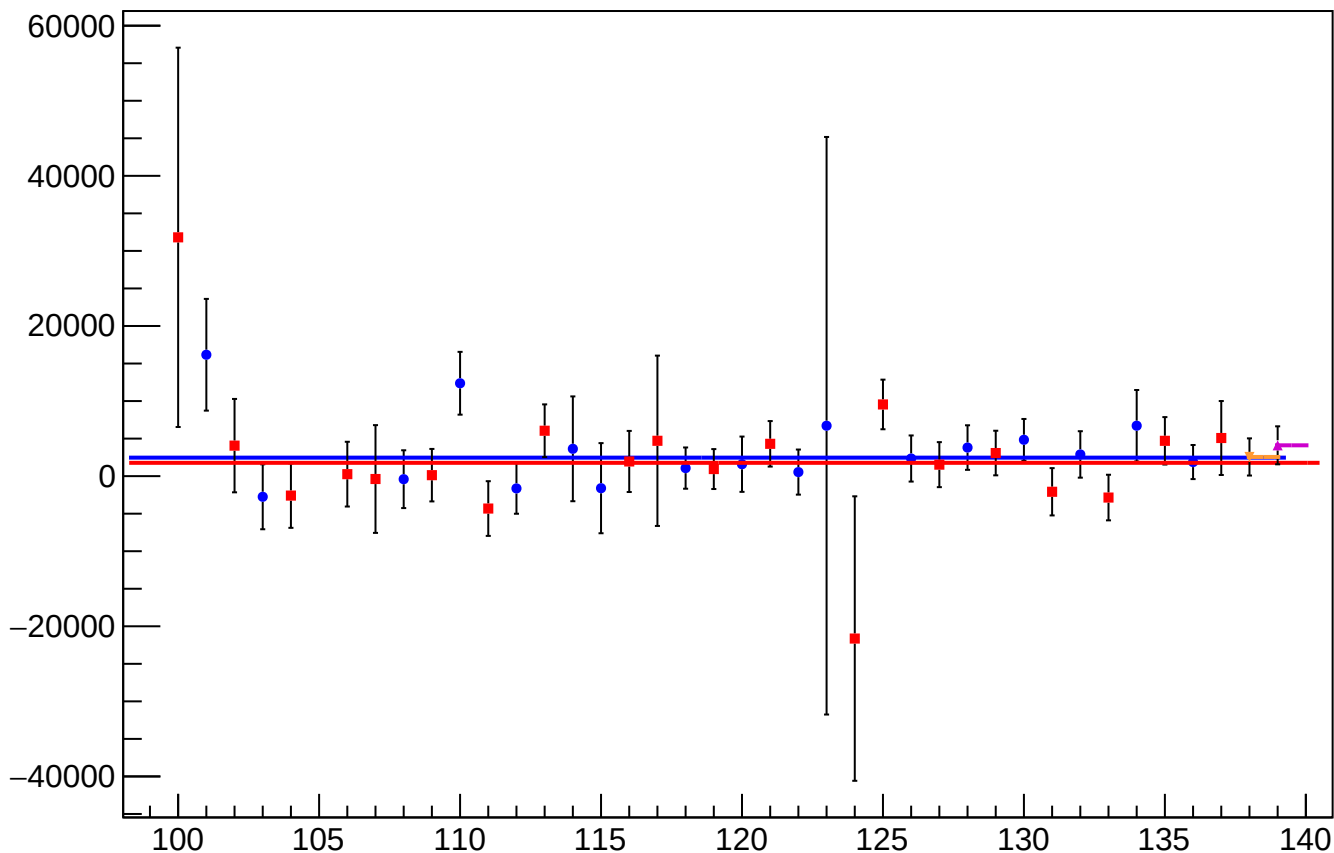
Left In: 1005.338 $\pm$ 0.842 χ^2 /NDF: 0.0/0

595.479 $\pm$ 0.166 χ^2 /NDF: 1636270.7/17

577.949 $\pm$ 0.115 χ^2 /NDF: 3412015.4/38

561.928 $\pm$ 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: 2555.432 $\pm$ 2475.577 χ^2 /NDF: 0.0/0

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

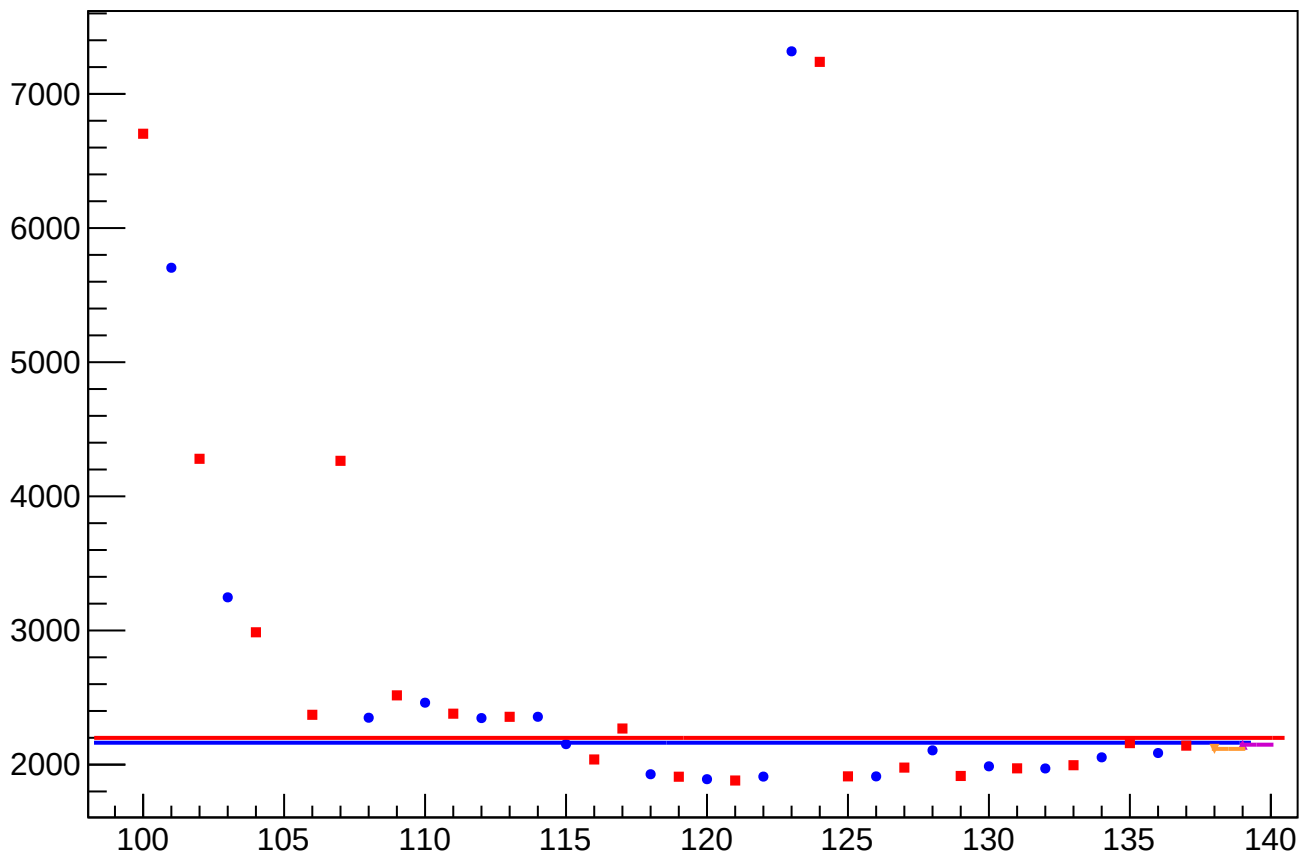
Left In: 4105.258 $\pm$ 2530.457 χ^2 /NDF: 0.0/0

2473.979 $\pm$ 815.069 χ^2 /NDF: 15.5/17

2239.681 $\pm$ 573.292 χ^2 /NDF: 37.0/38

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: 2117.352+/-1.750 χ^2/NDF : 0.0/0

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

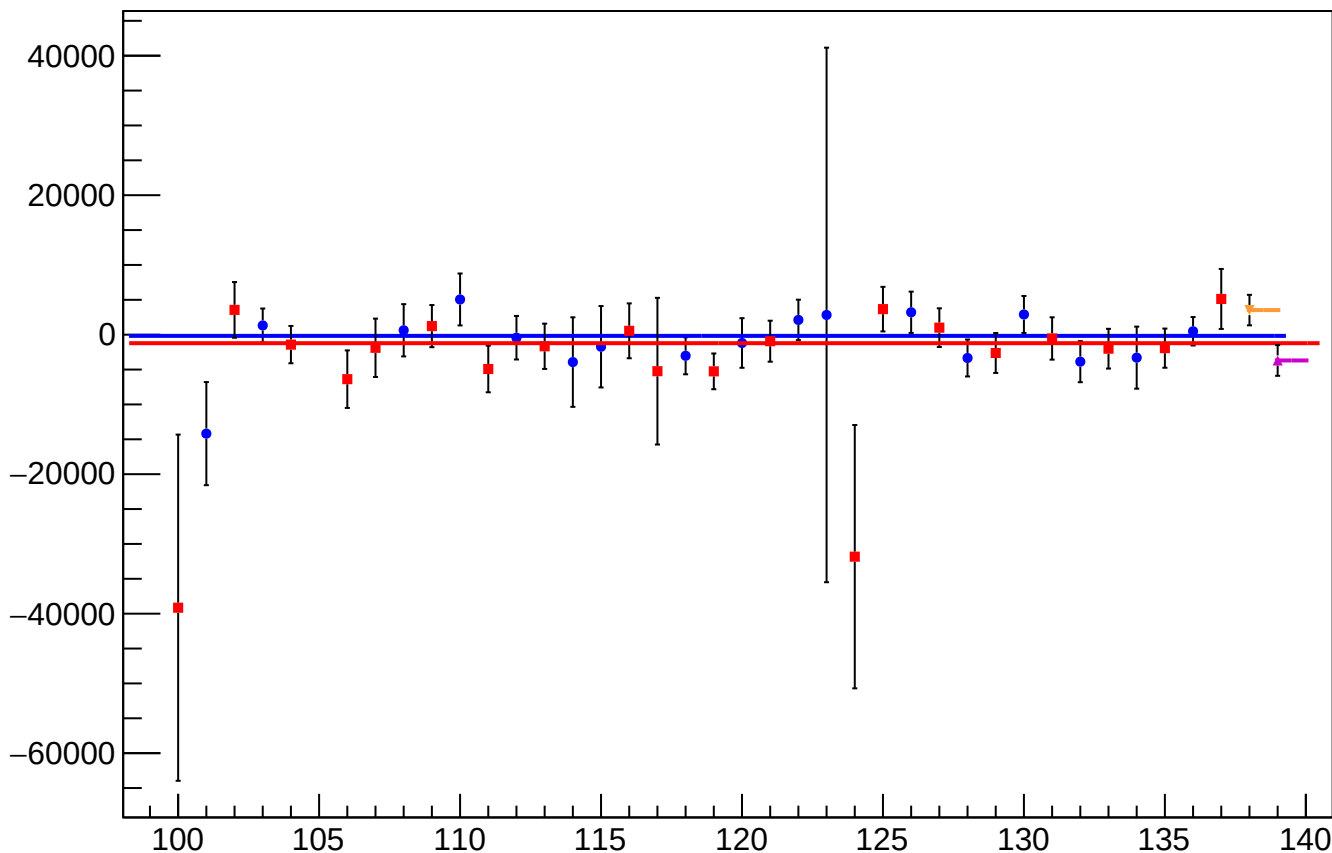
Left In: 2148.638+/-1.789 χ^2/NDF : 0.0/0

2158.322+/-0.576 χ^2/NDF : 710198.8/17

2176.471+/-0.405 χ^2/NDF : 1516257.9/38

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: 3527.633 ± 2186.983 χ^2/NDF : 0.0/0

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

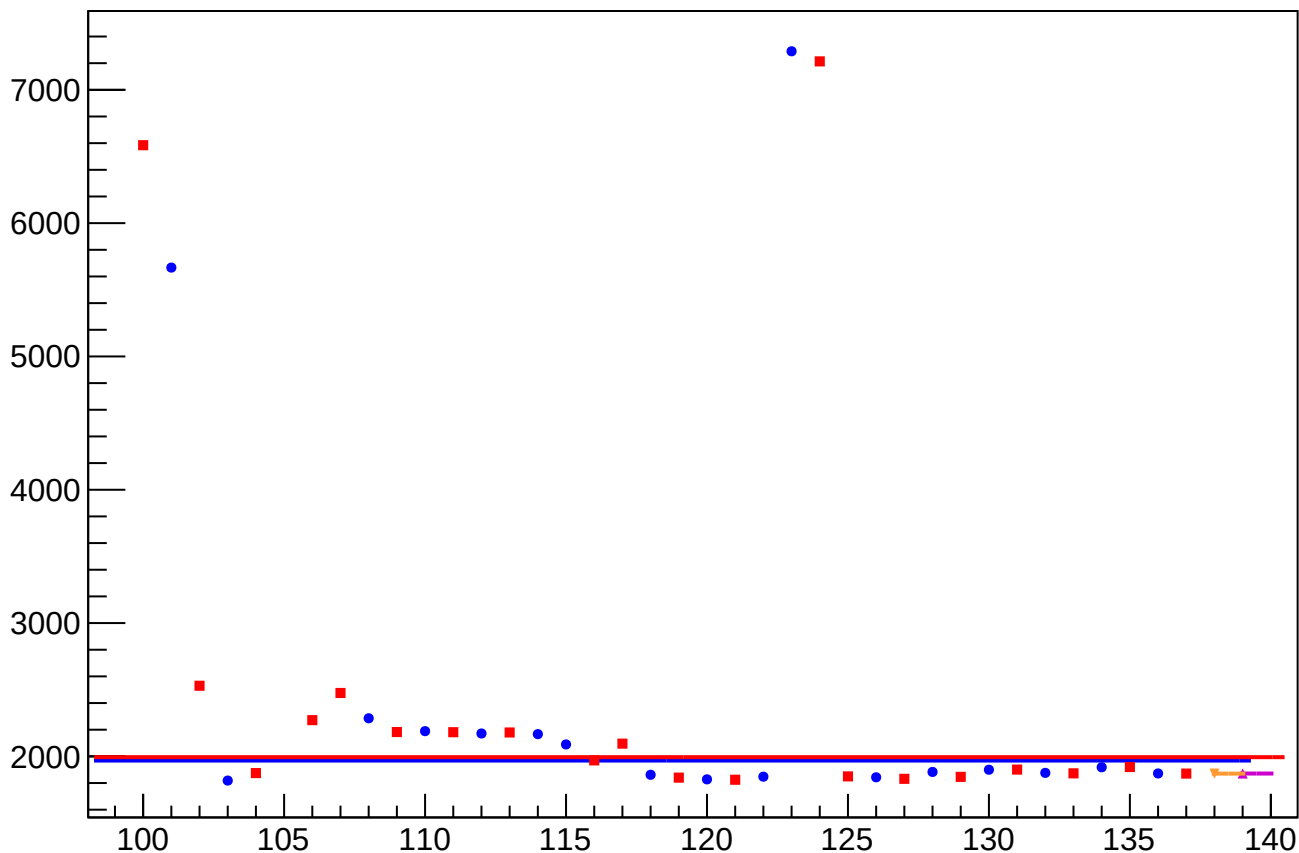
Left In: -3695.261 ± 2202.097 χ^2/NDF : 0.0/0

249.226 ± 736.663 χ^2/NDF : 17.1/17

-636.698 ± 515.021 χ^2/NDF : 39.3/38

-1483.729 ± 720.311 χ^2/NDF : 19.5/20

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1870.555 $\pm$ 1.546 χ^2 /NDF: 0.0/0

Right Out: 1993.958 $\pm$ 0.539 χ^2 /NDF: 356359.6/19

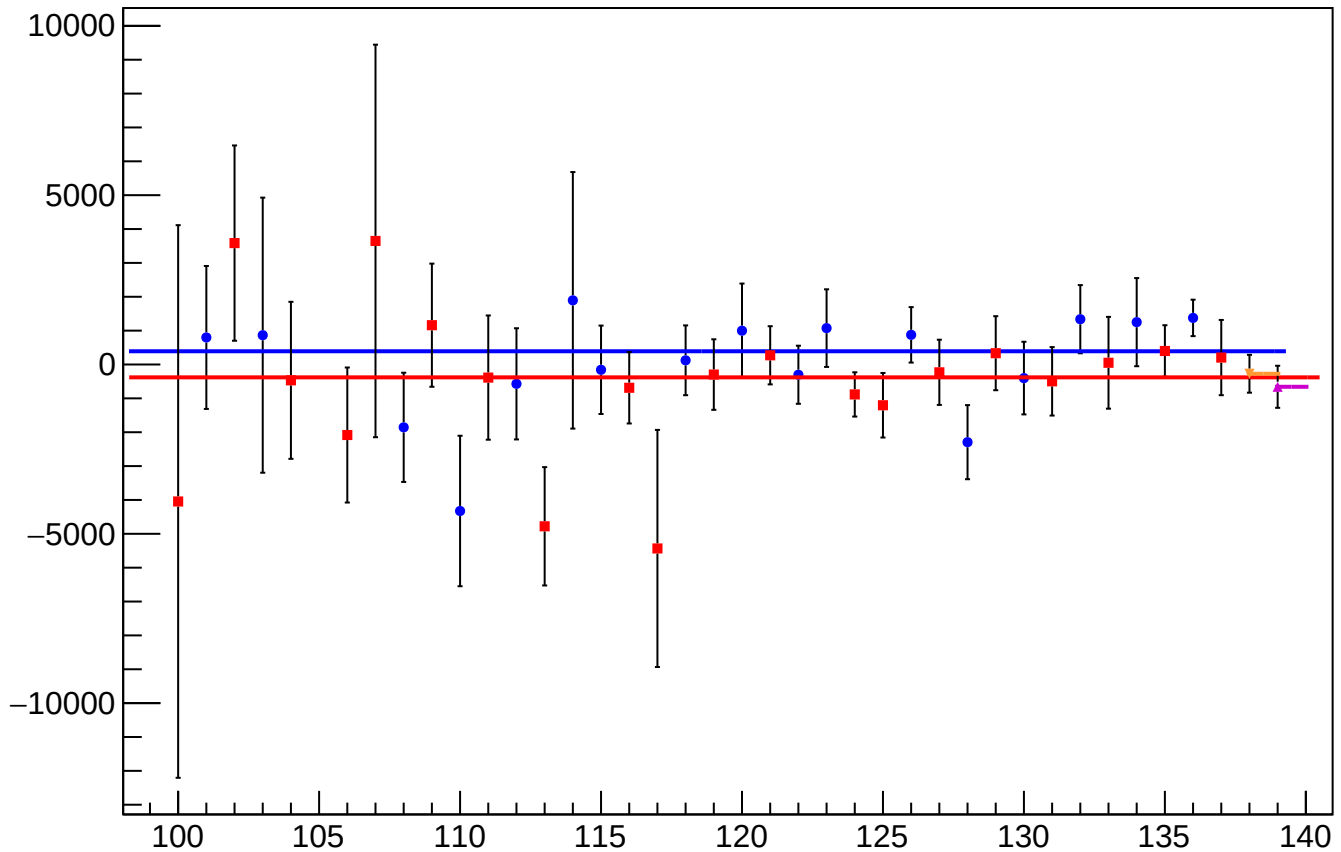
Left In: 1871.213 $\pm$ 1.557 χ^2 /NDF: 0.0/0

1957.504 $\pm$ 0.521 χ^2 /NDF: 606538.8/17

1969.426 $\pm$ 0.364 χ^2 /NDF: 969472.0/38

1980.824 $\pm$ 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: -273.374 $\pm$ 559.098 χ^2 /NDF:0.0/0

Right Out: -379.833 $\pm$ 265.331 χ^2 /NDF: 16.3/19

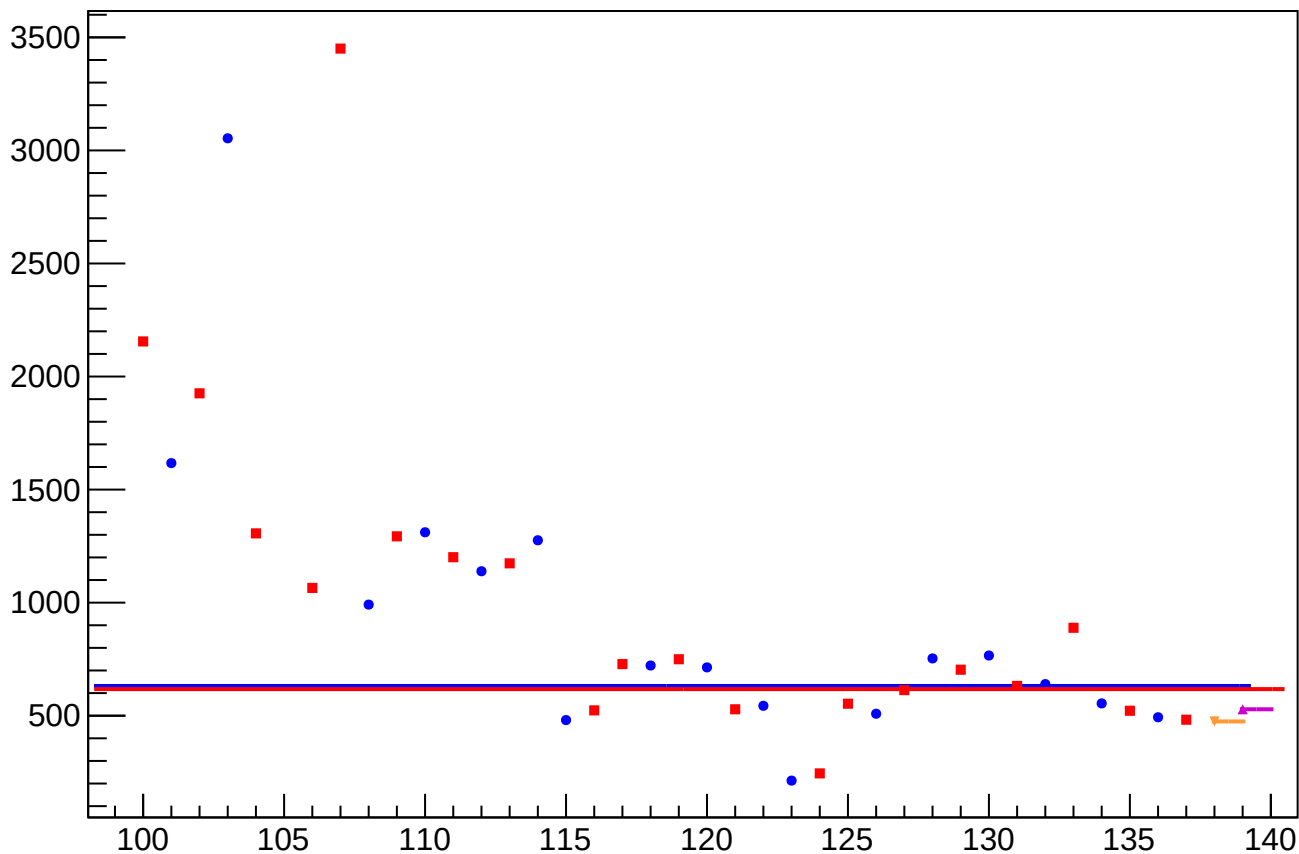
Left In: -658.462 $\pm$ 621.028 χ^2 /NDF:0.0/0

265.202 $\pm$ 243.227 χ^2 /NDF: 21.2/17

-77.736 $\pm$ 172.258 χ^2 /NDF: 41.7/38

-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: 474.616+/-0.395 χ^2/NDF : 0.0/0

Right Out: 617.675+/-0.188 χ^2/NDF : 2804158.4/19

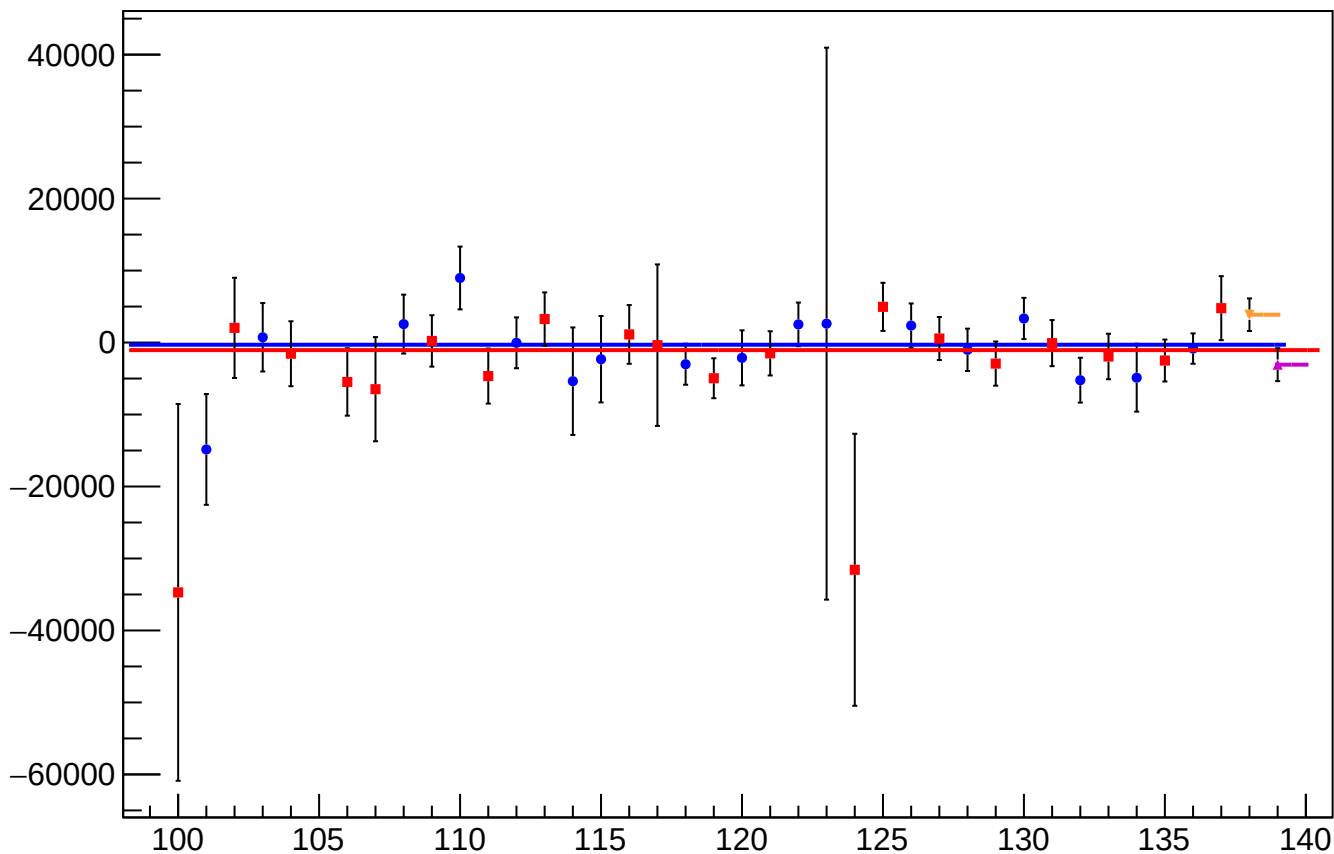
Left In: 528.382+/-0.439 χ^2/NDF : 0.0/0

601.752+/-0.172 χ^2/NDF : 2388250.1/17

602.818+/-0.122 χ^2/NDF : 5227449.7/38

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: 3865.230+/-2263.582 χ^2/NDF : 0.0/0

Right Out: -1052.718+/-864.863 χ^2/NDF : 16.6/19

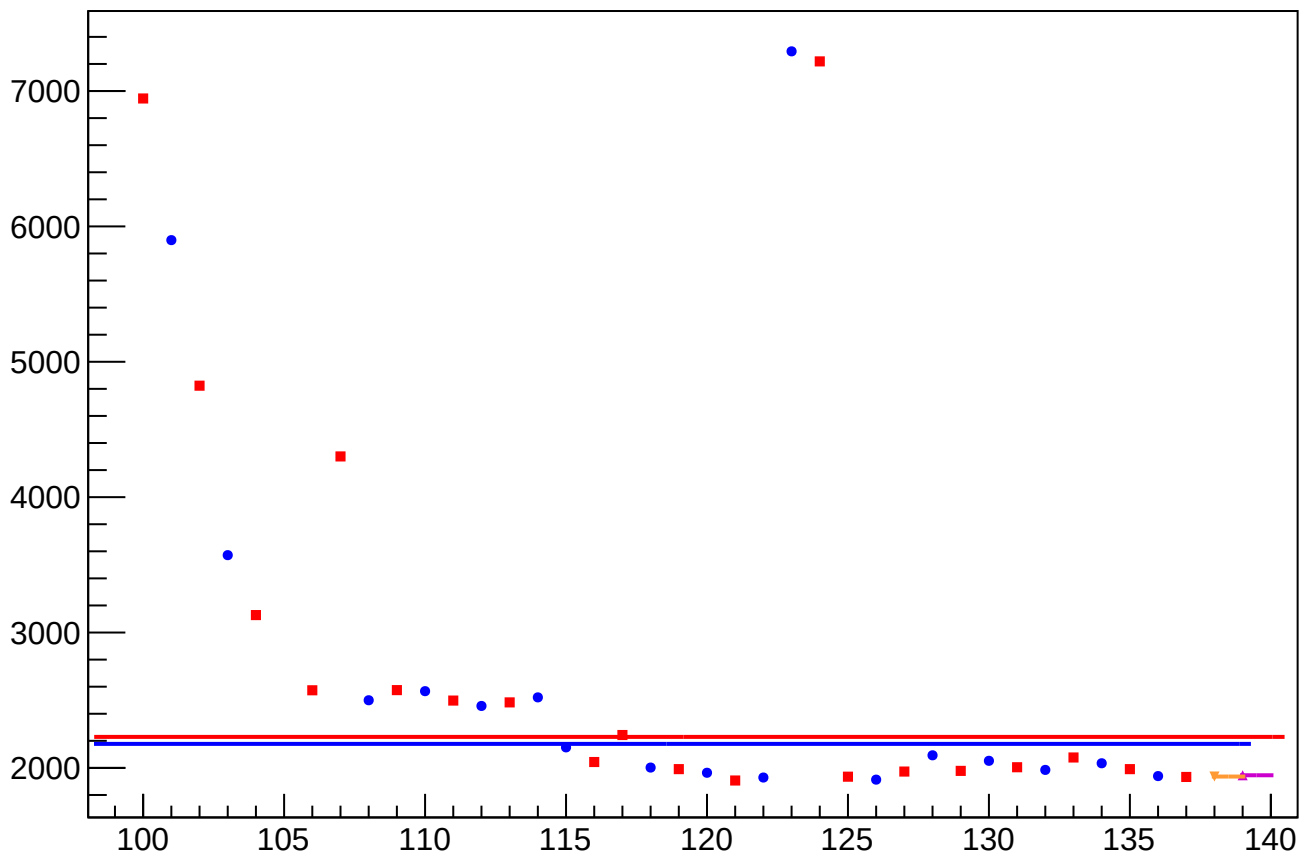
Left In: -3070.890+/-2289.547 χ^2/NDF : 0.0/0

233.193+/-813.646 χ^2/NDF : 20.1/17

-540.112+/-573.708 χ^2/NDF : 39.2/38

-1304.733+/-809.065 χ^2/NDF : 17.3/20

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446+/-0.617 χ^2/NDF : 802836.7/16

Left Out: 1936.203+/-1.601 χ^2/NDF : 0.0/0

Right Out: 2229.096+/-0.612 χ^2/NDF : 895812.2/19

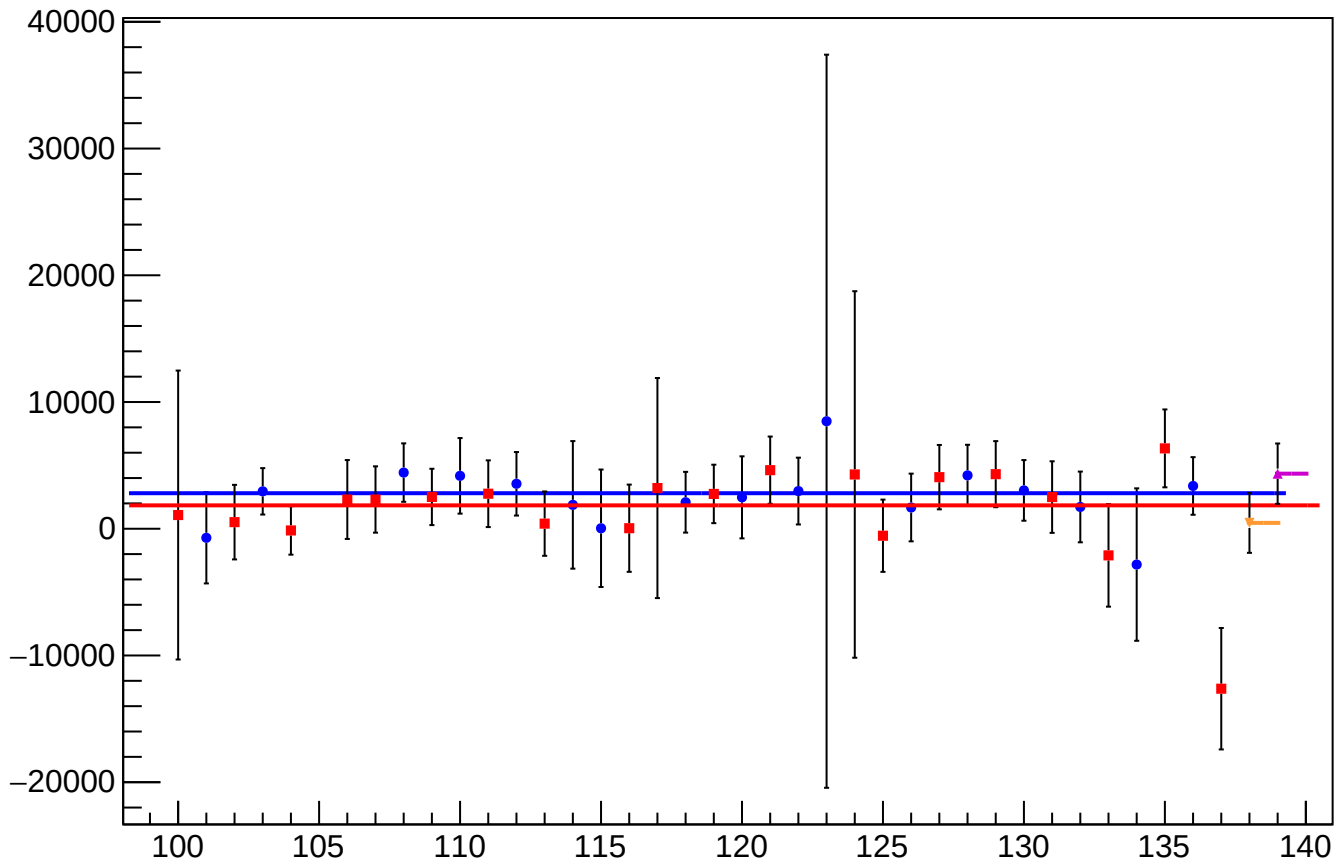
Left In: 1945.701+/-1.619 χ^2/NDF : 0.0/0

2146.276+/-0.575 χ^2/NDF : 822618.4/17

2170.126+/-0.406 χ^2/NDF : 1748663.8/38

2193.708+/-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: 462.145 $\pm$ 2363.520 χ^2 /NDF: 0.0/0

Right Out: 1844.945 $\pm$ 653.448 χ^2 /NDF: 18.1/19

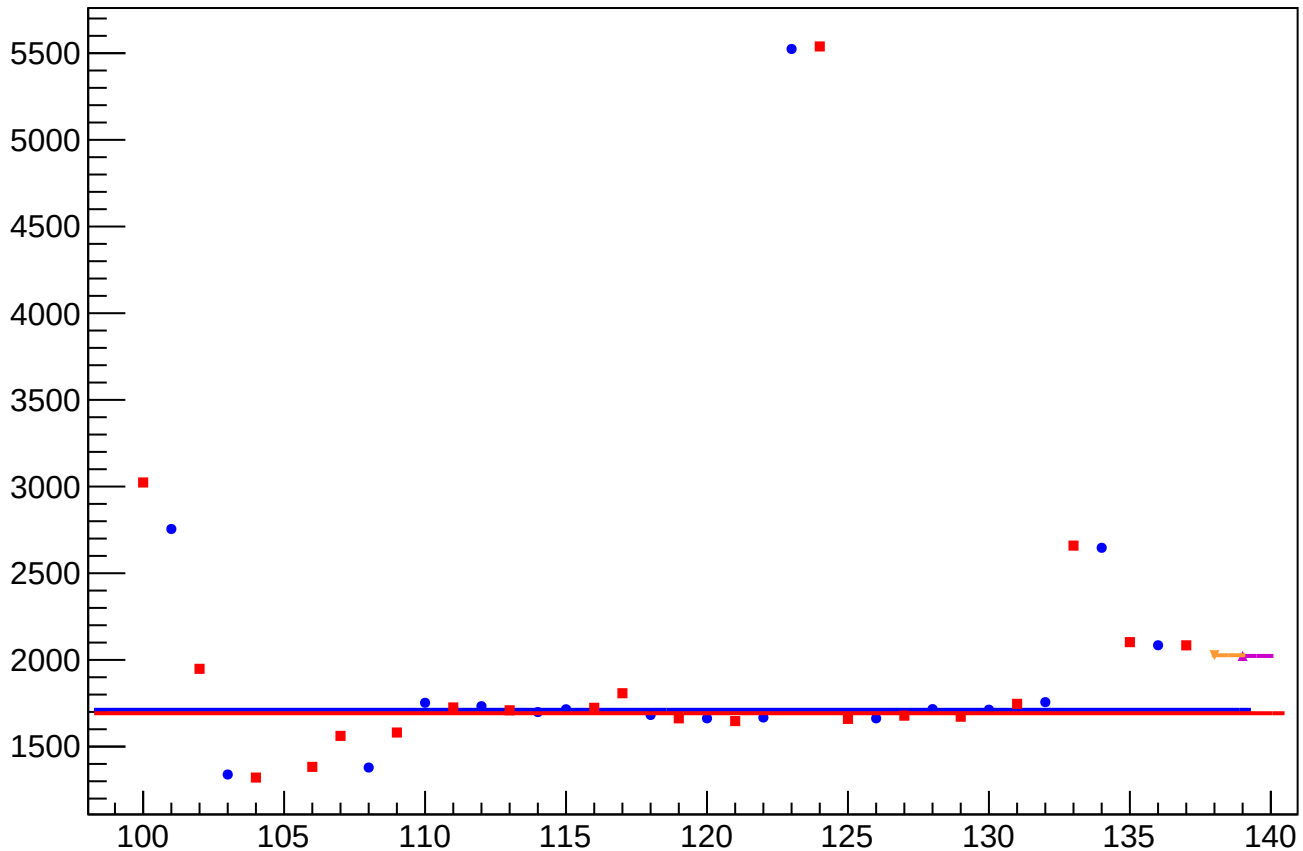
Left In: 4346.003 $\pm$ 2380.746 χ^2 /NDF: 0.0/0

2625.601 $\pm$ 652.203 χ^2 /NDF: 4.8/17

2312.469 $\pm$ 453.176 χ^2 /NDF: 24.4/38

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: 2026.967+/-1.671 χ^2/NDF : 0.0/0

Right Out: 1692.404+/-0.462 χ^2/NDF : 455277.5/19

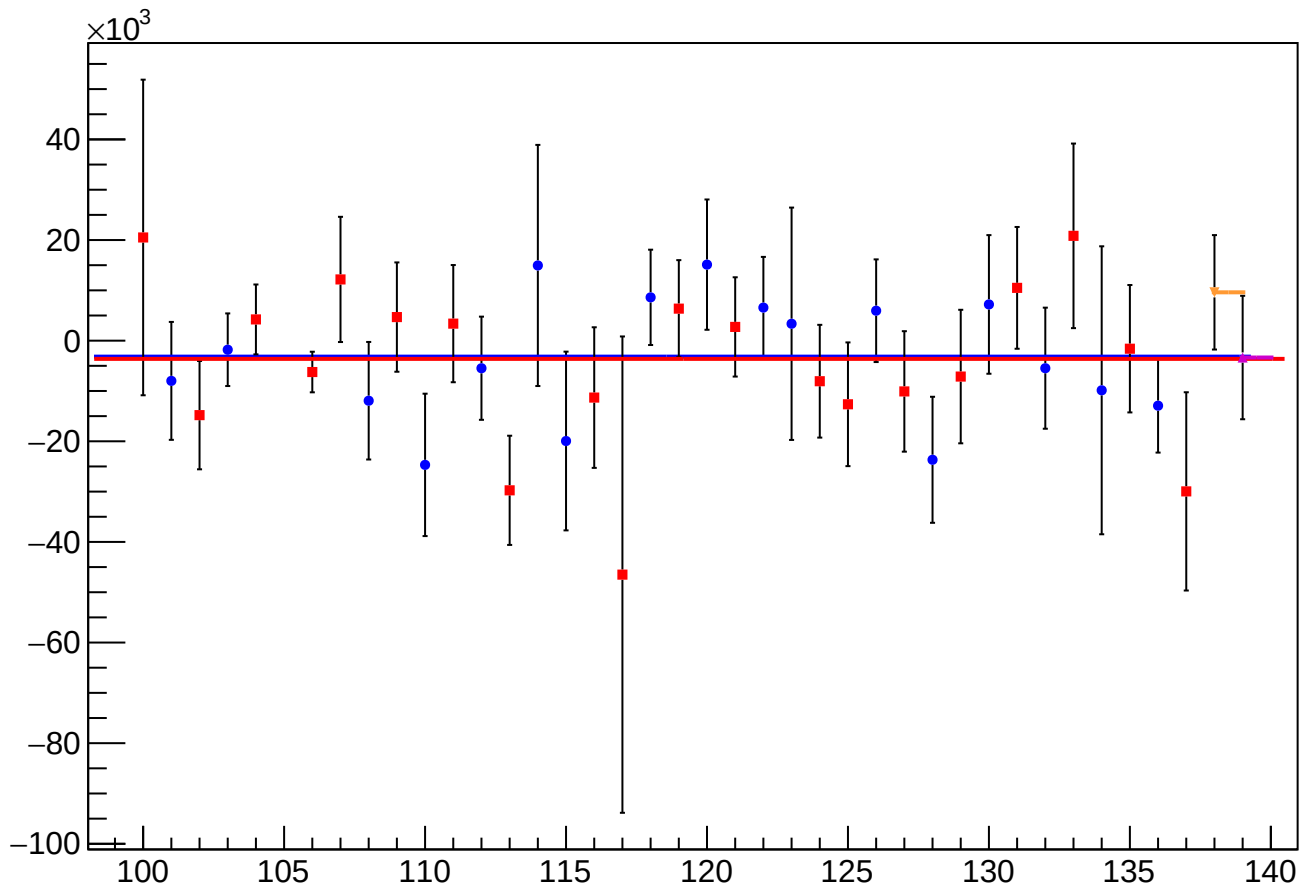
Left In: 2022.971+/-1.683 χ^2/NDF : 0.0/0

1736.126+/-0.461 χ^2/NDF : 465259.3/17

1725.490+/-0.320 χ^2/NDF : 957422.5/38

1715.562+/-0.446 χ^2/NDF : 491135.0/20

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: 9608.554 $\pm$ 11372.938 χ^2 /NDF:0.0/0

Right Out: -3618.416 $\pm$ 2263.938 χ^2 /NDF: 20.3/19

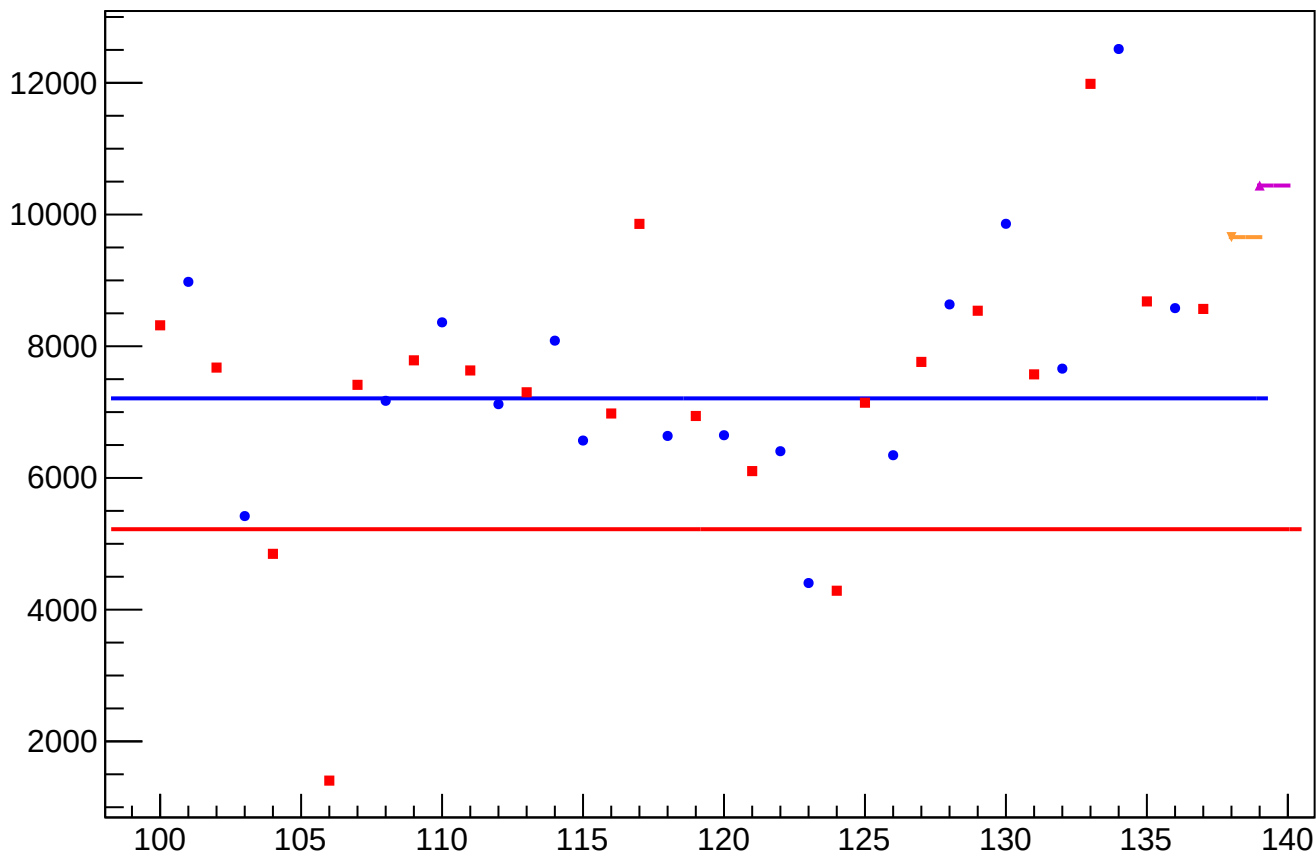
Left In: -3350.045 $\pm$ 12267.962 χ^2 /NDF:0.0/0

-2417.015 $\pm$ 2766.327 χ^2 /NDF: 15.6/17

-3140.786 $\pm$ 1734.414 χ^2 /NDF: 36.0/38

-3609.578 $\pm$ 2226.346 χ^2 /NDF: 20.3/20

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567 $\pm$ 2.017 χ^2 /NDF: 469302.0/16

Left Out: 9657.105 $\pm$ 8.042 χ^2 /NDF: 0.0/0

Right Out: 5221.816 $\pm$ 1.601 χ^2 /NDF: 3216100.5/19

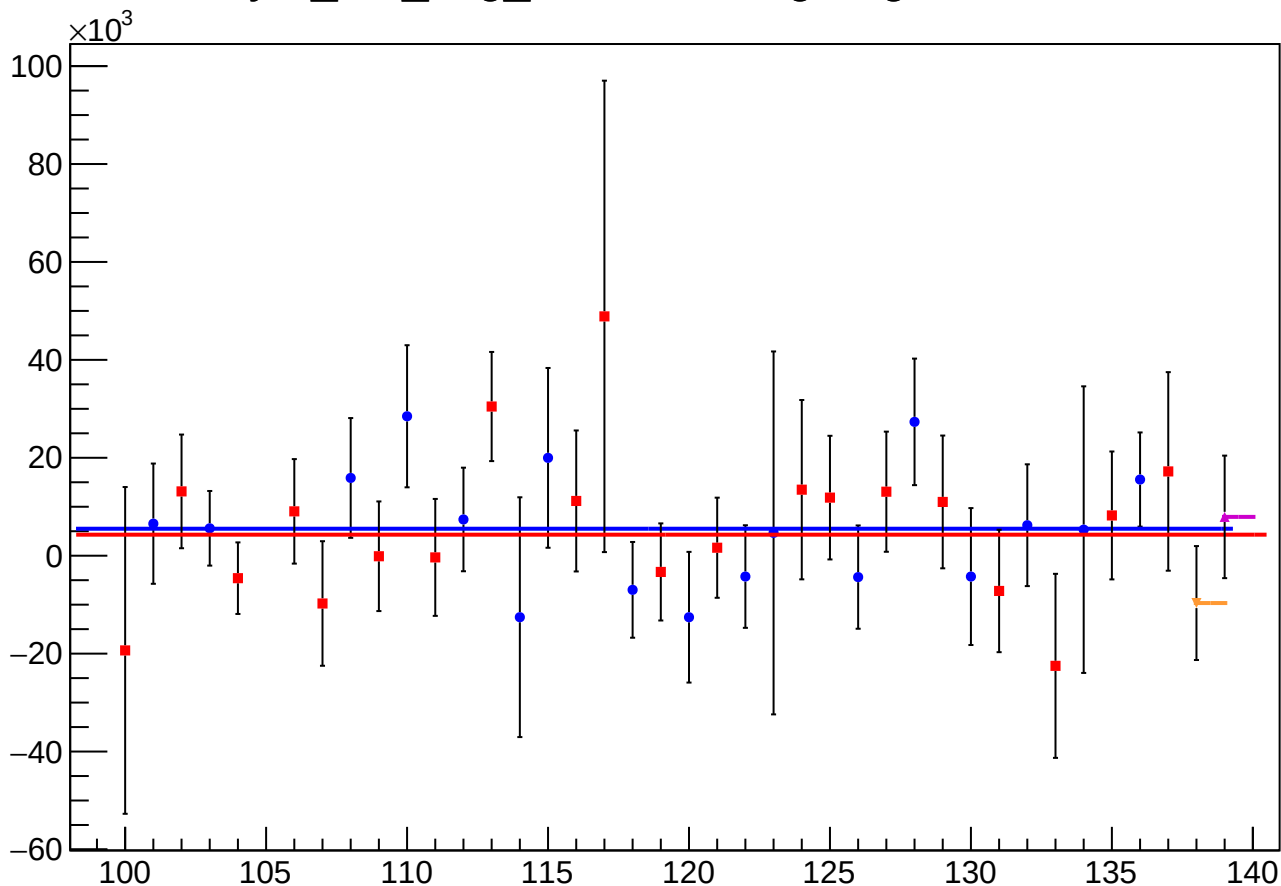
Left In: 10440.672 $\pm$ 8.675 χ^2 /NDF: 0.0/0

7353.434 $\pm$ 1.956 χ^2 /NDF: 556521.1/17

6164.059 $\pm$ 1.226 χ^2 /NDF: 4731814.2/38

5393.692 $\pm$ 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: -9668.730 $\pm$ 11635.346 χ^2 /NDF:0.0/0

Right Out: 4295.824 $\pm$ 2785.538 χ^2 /NDF: 16.3/19

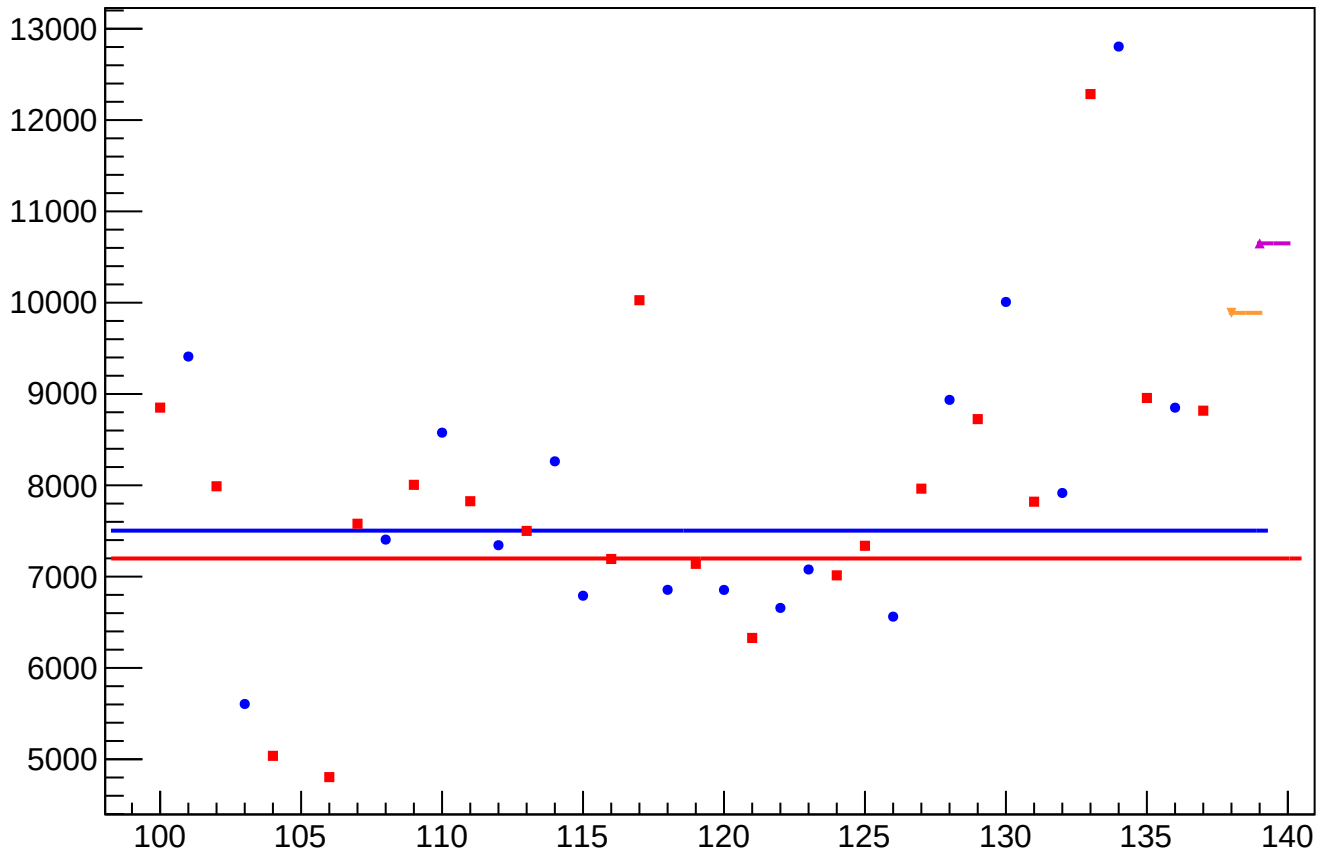
Left In: 7929.611 $\pm$ 12513.148 χ^2 /NDF:0.0/0

4580.337 $\pm$ 2878.669 χ^2 /NDF: 15.7/17

4520.646 $\pm$ 1976.654 χ^2 /NDF: 32.0/38

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: 9888.674 $\pm$ 8.227 χ^2 /NDF: 0.0/0

Right Out: 7198.728 $\pm$ 1.969 χ^2 /NDF: 564629.1/19

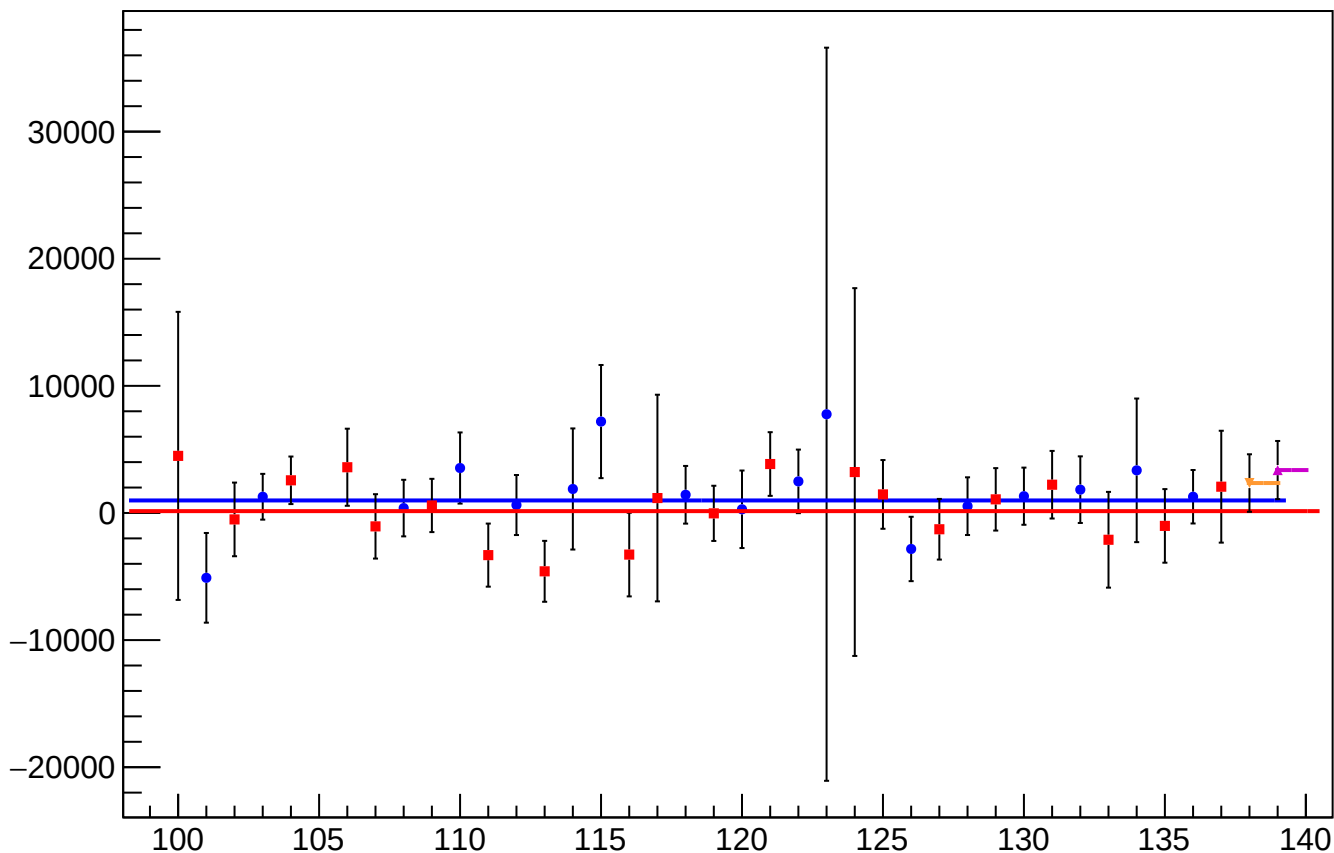
Left In: 10649.812 $\pm$ 8.848 χ^2 /NDF: 0.0/0

7649.647 $\pm$ 2.035 χ^2 /NDF: 506203.2/17

7497.416 $\pm$ 1.398 χ^2 /NDF: 1226361.3/38

7361.632 $\pm$ 1.922 χ^2 /NDF: 709575.6/20

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452+/-644.630 χ^2/NDF : 9.1/16

Left Out: 2354.561+/-2262.450 χ^2/NDF : 0.0/0

Right Out: 144.683+/-621.728 χ^2/NDF : 14.7/19

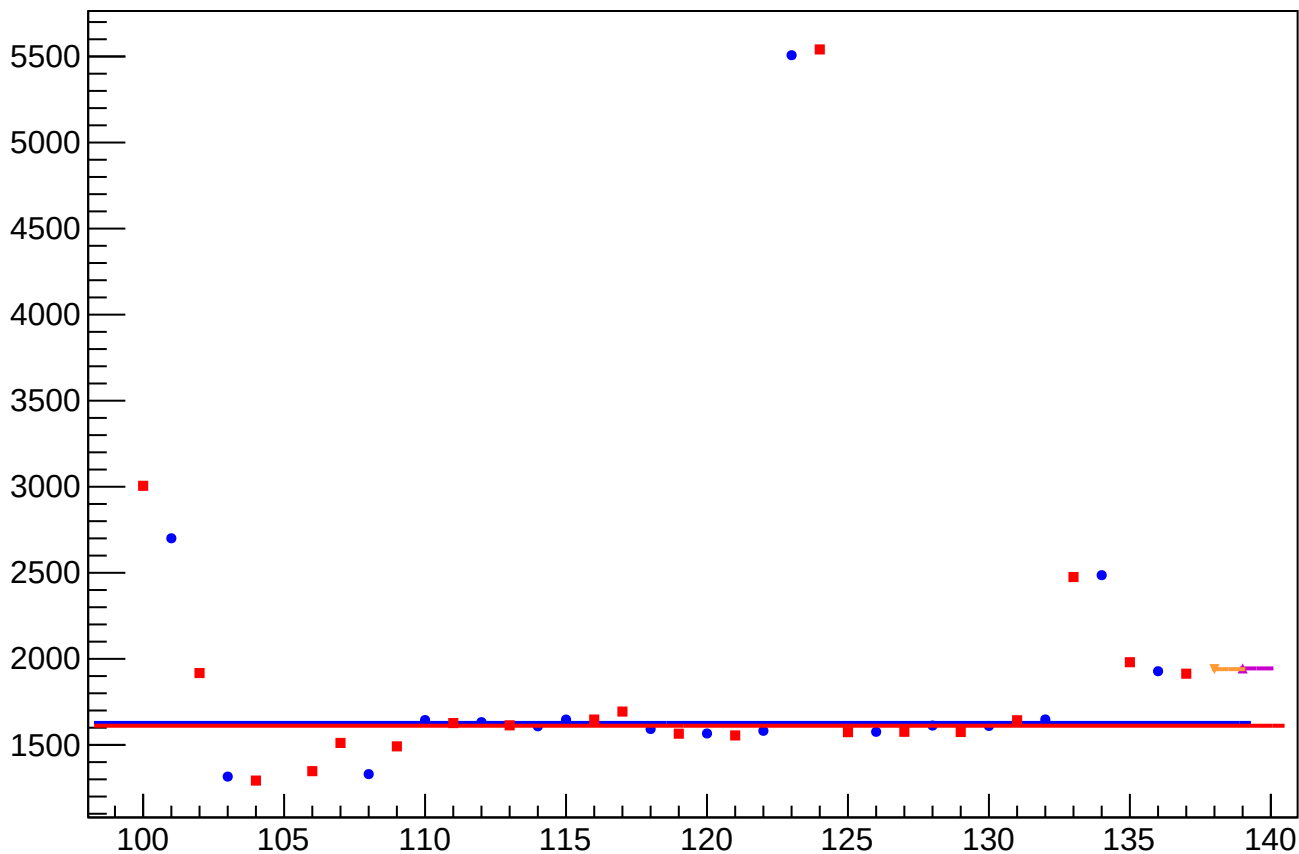
Left In: 3375.342+/-2288.464 χ^2/NDF : 0.0/0

1088.254+/-619.956 χ^2/NDF : 9.4/17

715.689+/-431.139 χ^2/NDF : 26.6/38

366.746+/-599.980 χ^2/NDF : 16.5/20

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1940.306 $\pm$ 1.600 χ^2 /NDF: 0.0/0

Right Out: 1611.433 $\pm$ 0.440 χ^2 /NDF: 434167.6/19

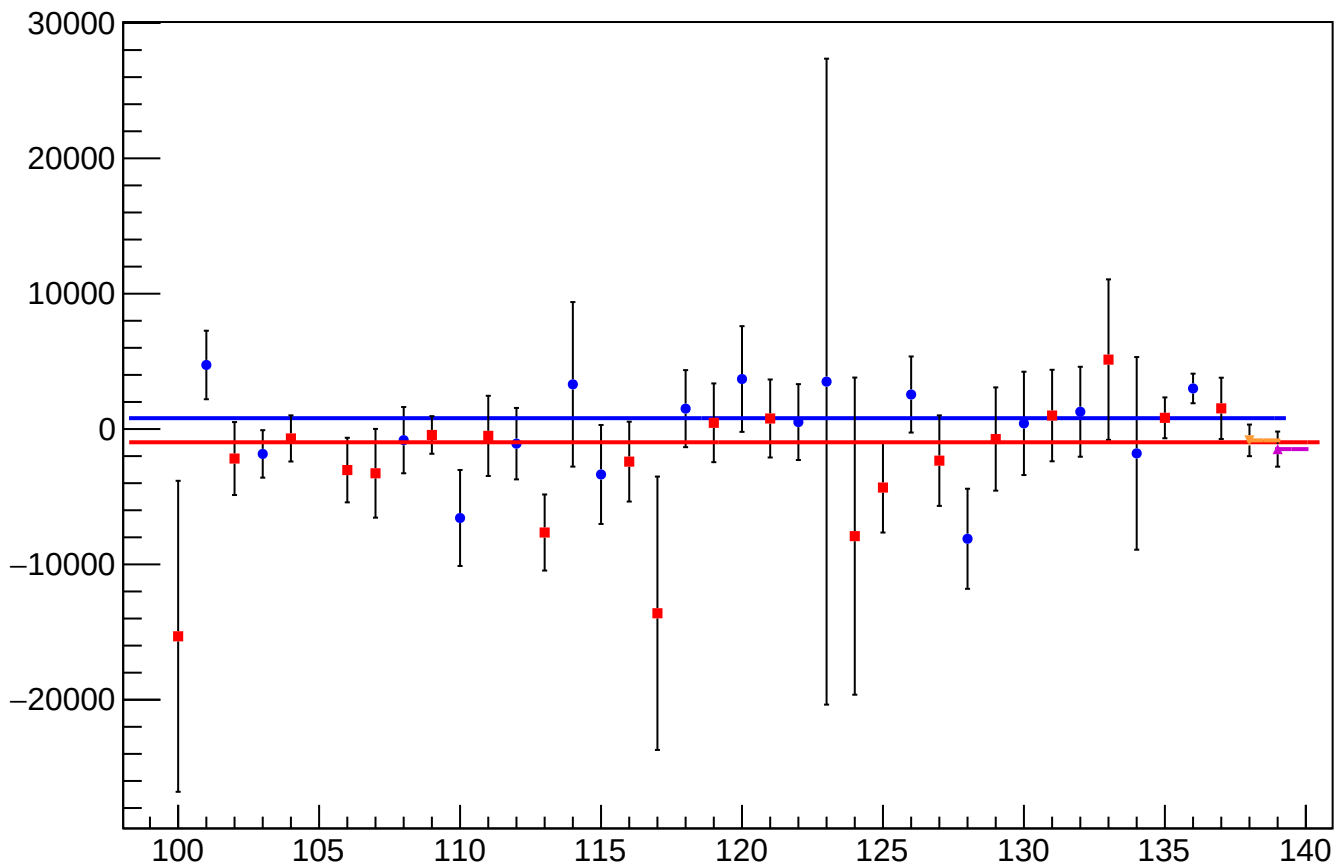
Left In: 1944.538 $\pm$ 1.618 χ^2 /NDF: 0.0/0

1651.299 $\pm$ 0.438 χ^2 /NDF: 442391.5/17

1642.536 $\pm$ 0.305 χ^2 /NDF: 916794.6/38

1634.330 $\pm$ 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: -836.197 $\pm$ 1166.956 χ^2 /NDF: 0.0/0

Right Out: -976.725 $\pm$ 588.724 χ^2 /NDF: 16.8/19

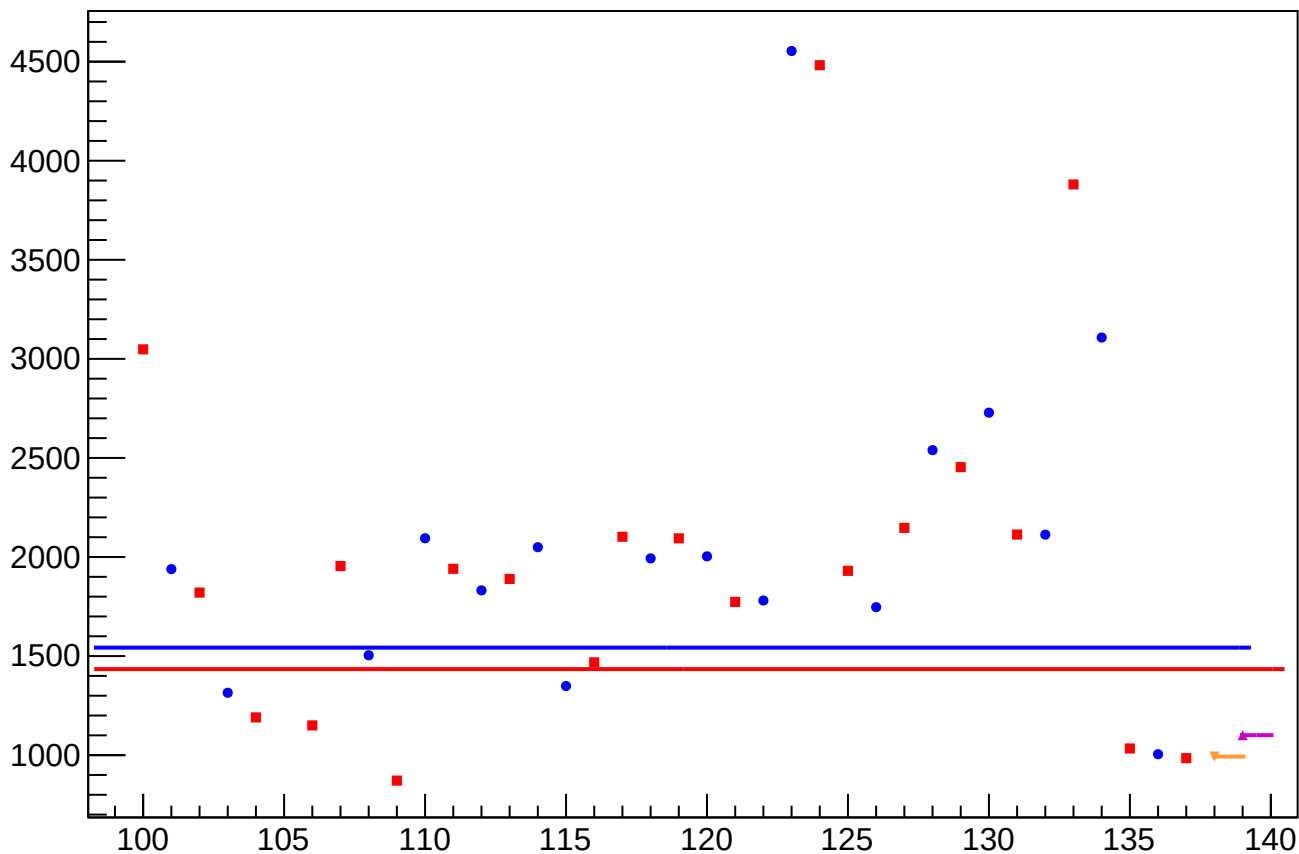
Left In: -1482.779 $\pm$ 1298.090 χ^2 /NDF: 0.0/0

431.579 $\pm$ 555.512 χ^2 /NDF: 24.0/17

-342.228 $\pm$ 385.782 χ^2 /NDF: 44.7/38

-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: 992.939+/-0.825 χ^2/NDF : 0.0/0

Right Out: 1434.290+/-0.416 χ^2/NDF : 1832587.0/19

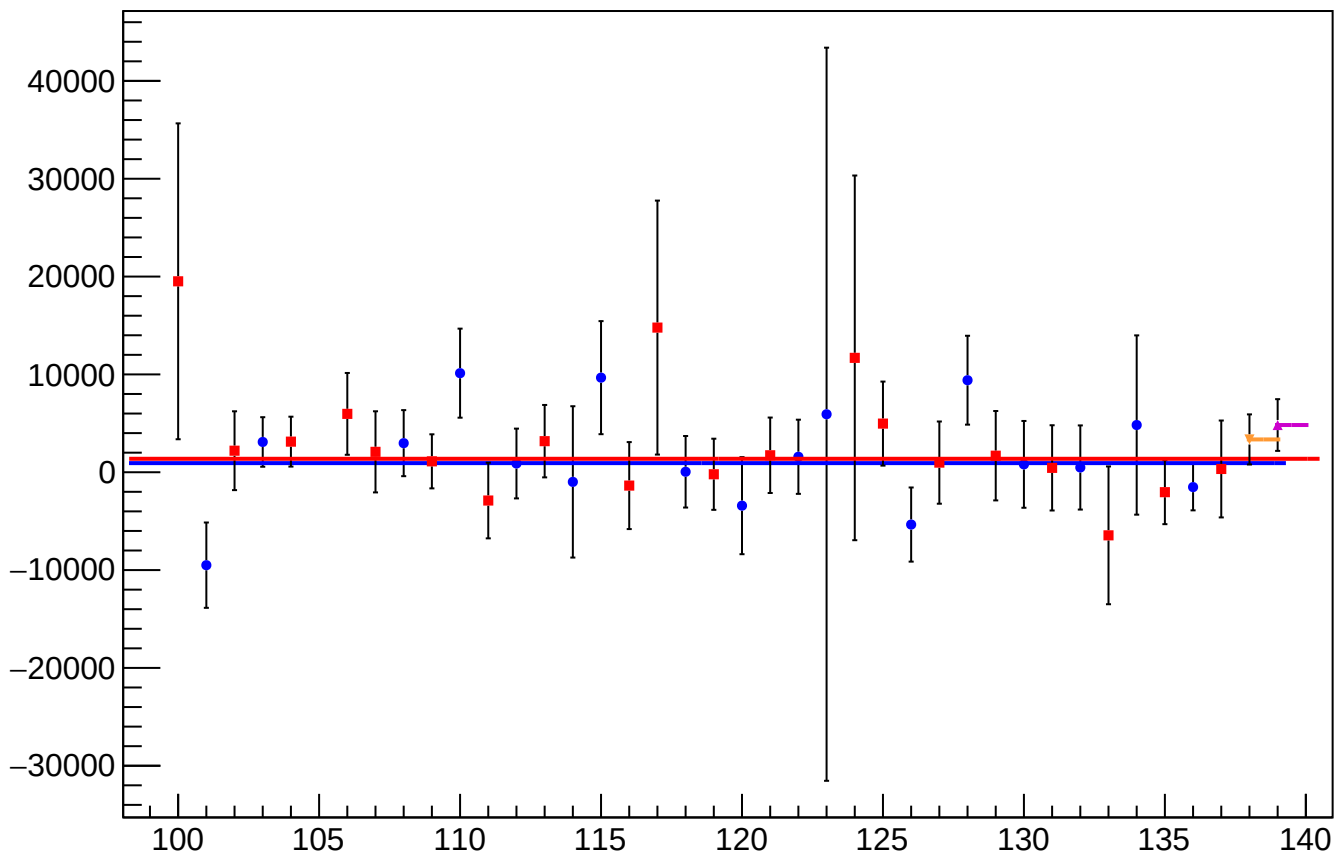
Left In: 1100.800+/-0.918 χ^2/NDF : 0.0/0

1418.123+/-0.393 χ^2/NDF : 1631248.0/17

1397.038+/-0.273 χ^2/NDF : 3578884.5/38

1377.397+/-0.379 χ^2/NDF : 1942071.3/20

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 $\pm$ 967.941 χ^2 /NDF: 21.6/16

Left Out: 3353.893 $\pm$ 2559.722 χ^2 /NDF: 0.0/0

Right Out: 1375.966 $\pm$ 923.072 χ^2 /NDF: 9.6/19

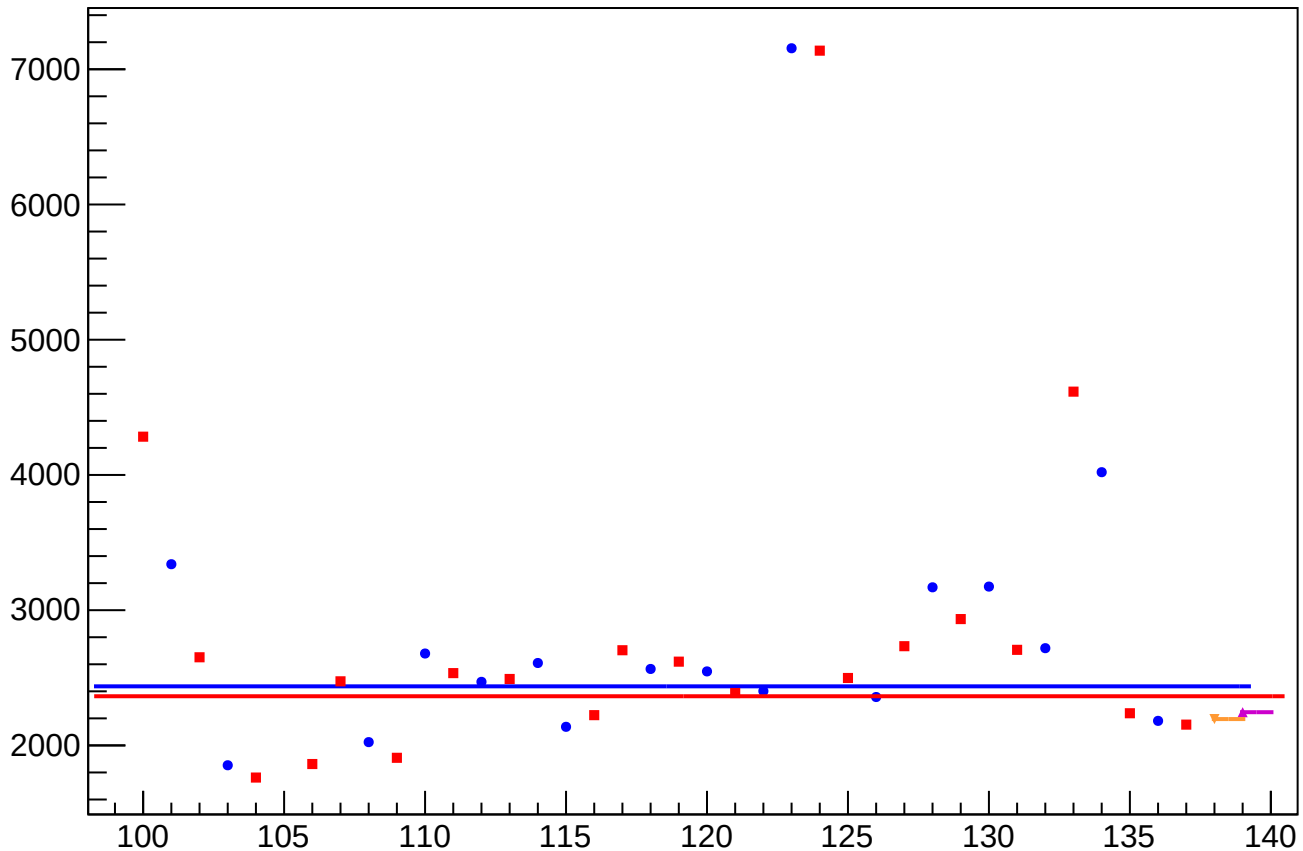
Left In: 4826.757 $\pm$ 2643.077 χ^2 /NDF: 0.0/0

1235.703 $\pm$ 905.372 χ^2 /NDF: 22.4/17

1503.237 $\pm$ 627.860 χ^2 /NDF: 33.6/38

1751.103 $\pm$ 871.455 χ^2 /NDF: 11.1/20

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2194.806+/-1.810 χ^2/NDF : 0.0/0

Right Out: 2363.609+/-0.653 χ^2/NDF : 657228.5/19

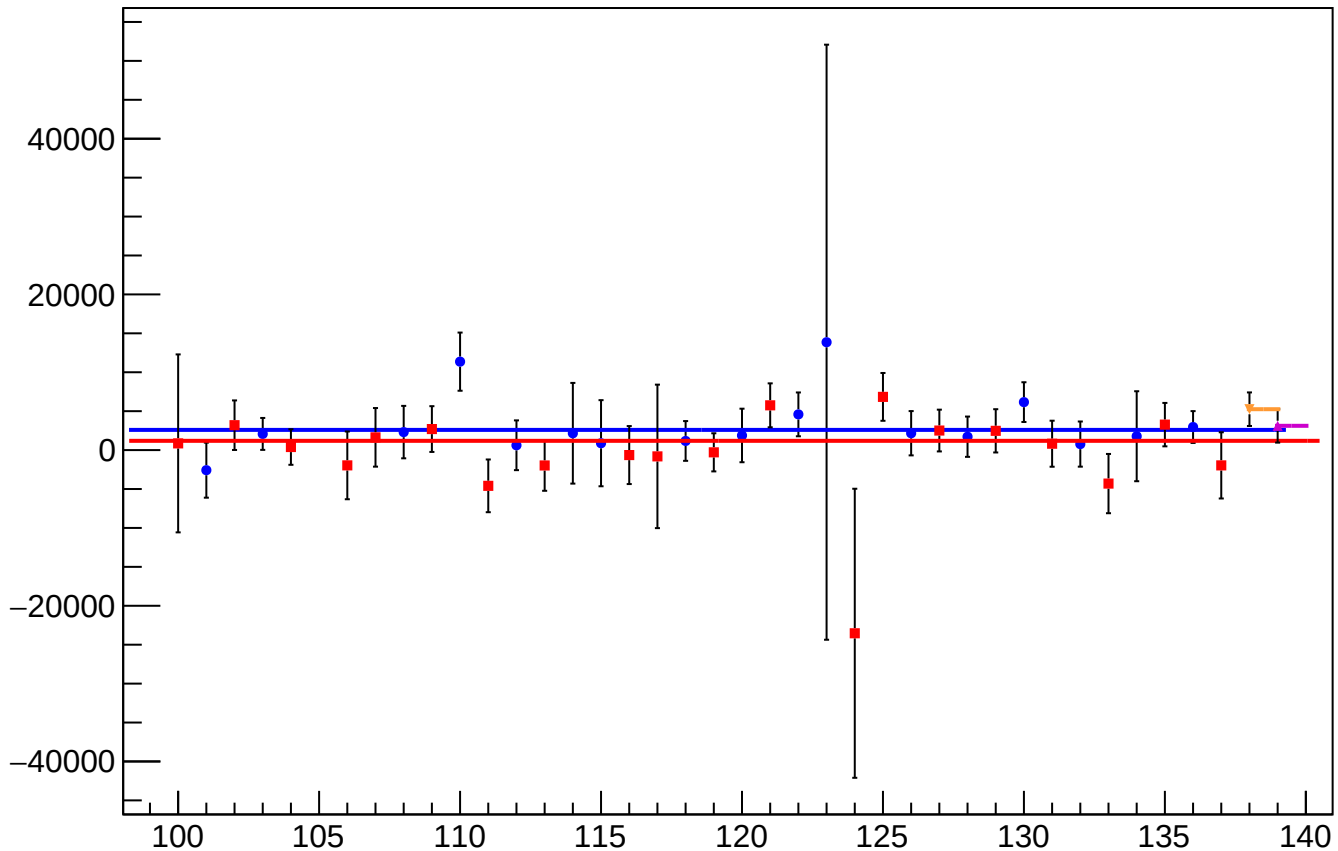
Left In: 2245.641+/-1.869 χ^2/NDF : 0.0/0

2406.574+/-0.640 χ^2/NDF : 484676.3/17

2377.615+/-0.444 χ^2/NDF : 1149397.9/38

2350.785+/-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: 5253.142 $\pm$ 2155.179 χ^2 /NDF: 0.0/0

Right Out: 1189.680 $\pm$ 737.247 χ^2 /NDF: 17.3/19

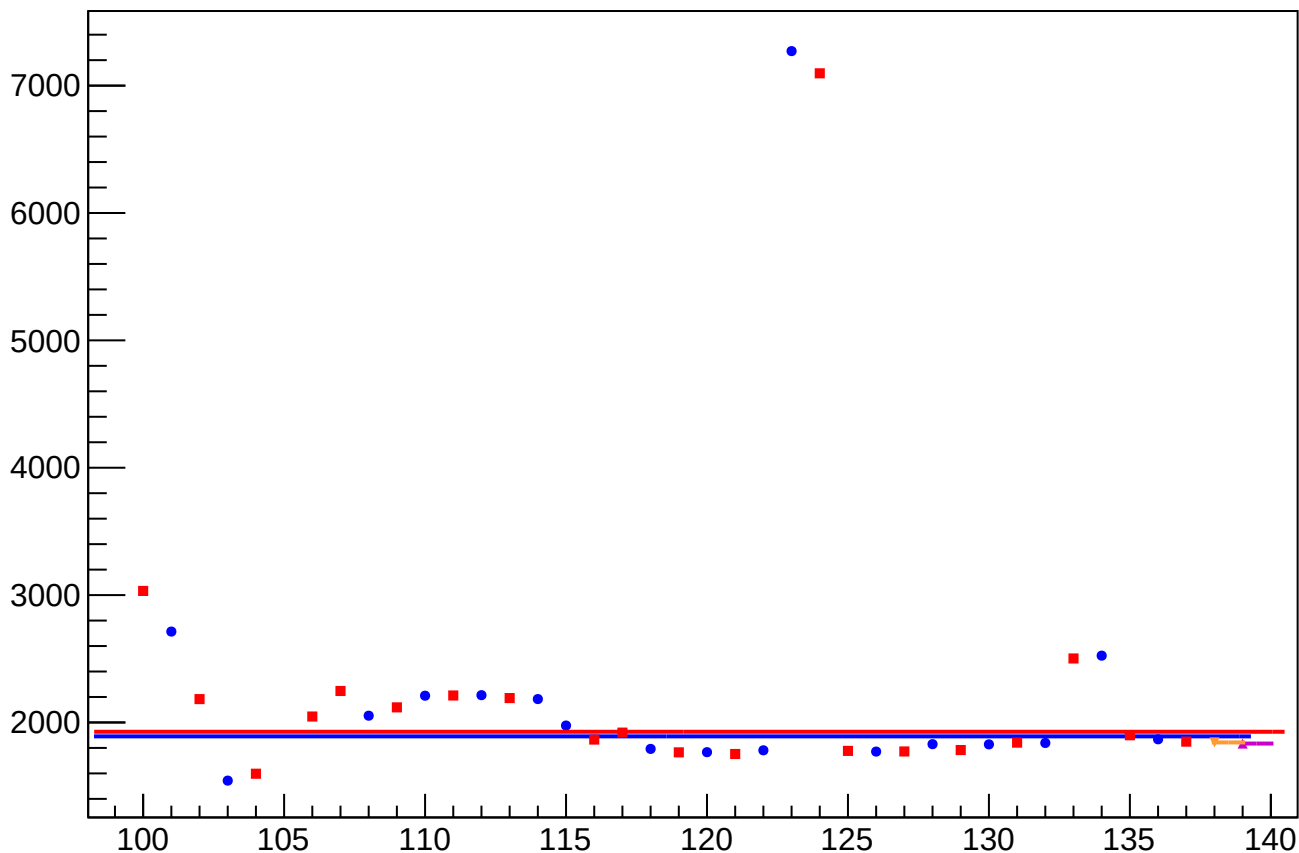
Left In: 3119.470 $\pm$ 2158.936 χ^2 /NDF: 0.0/0

2877.086 $\pm$ 702.429 χ^2 /NDF: 13.0/17

2129.121 $\pm$ 495.008 χ^2 /NDF: 33.3/38

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: 1843.259+/-1.524 χ^2/NDF : 0.0/0

Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

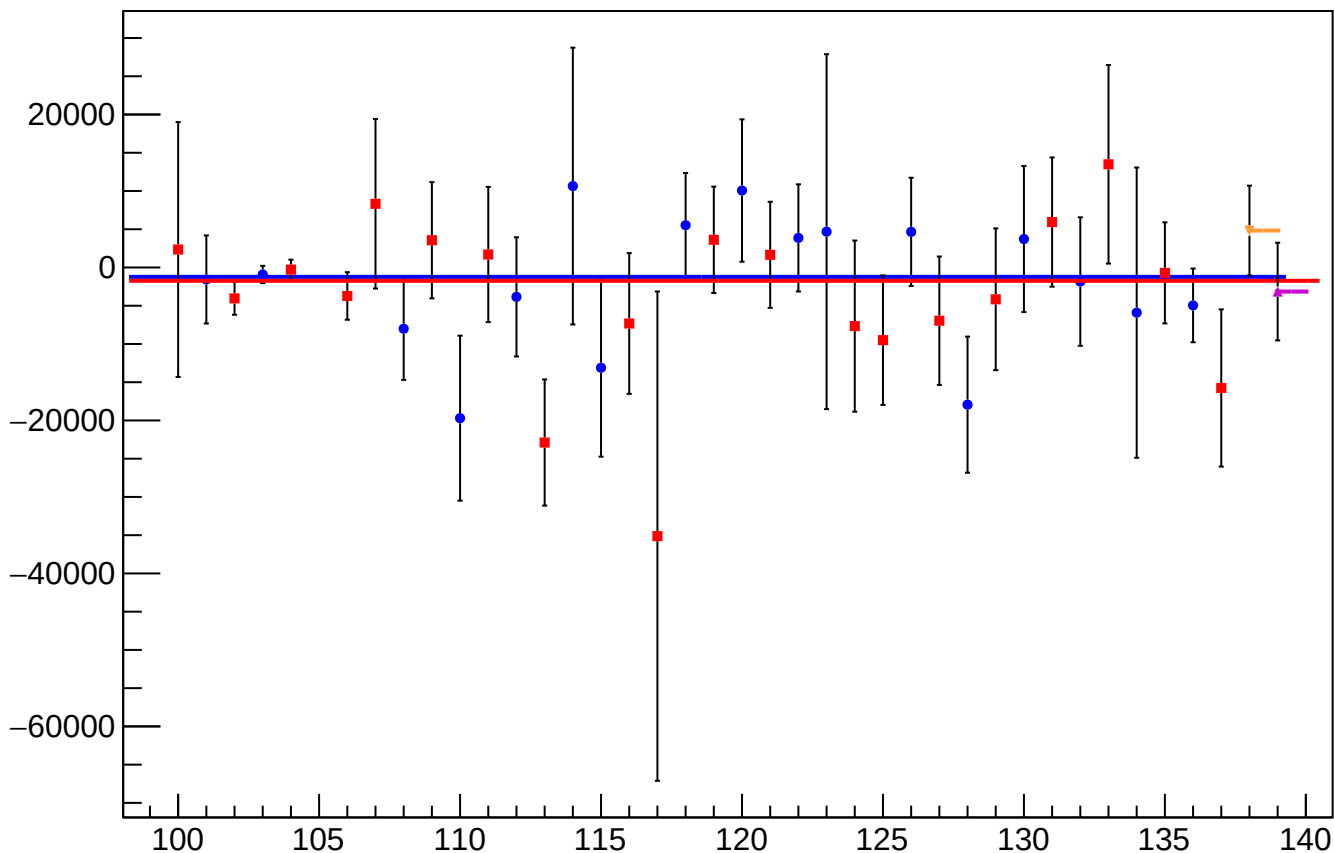
Left In: 1834.321+/-1.527 χ^2/NDF : 0.0/0

1885.680+/-0.497 χ^2/NDF : 289811.8/17

1901.601+/-0.350 χ^2/NDF : 657400.8/38

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: 4828.365+/-5870.282 χ^2/NDF : 0.0/0

Right Out: -1740.671+/-941.173 χ^2/NDF : 18.9/19

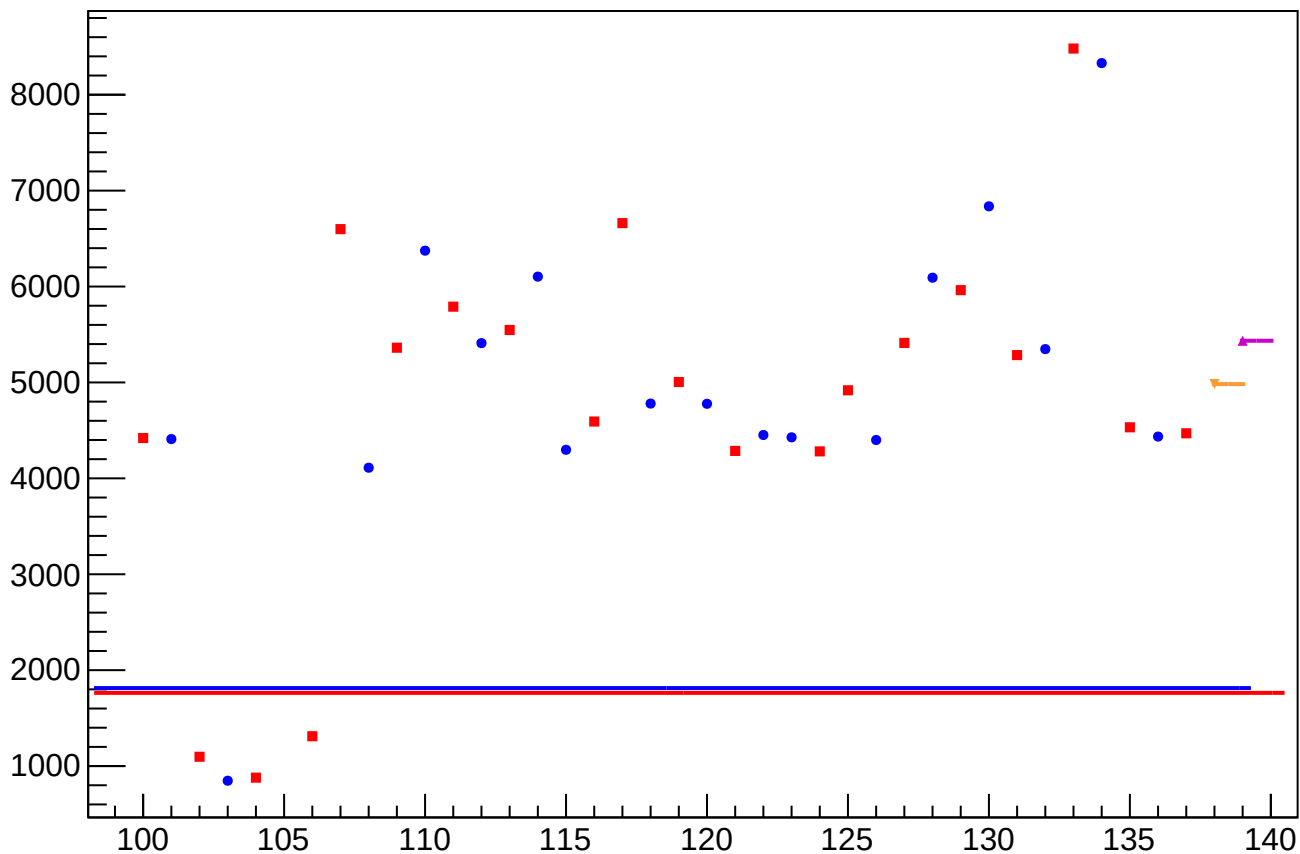
Left In: -3147.779+/-6386.346 χ^2/NDF : 0.0/0

-1061.227+/-971.039 χ^2/NDF : 14.9/17

-1430.786+/-672.069 χ^2/NDF : 34.1/38

-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: 4983.010+/-4.151 χ^2/NDF : 0.0/0

Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

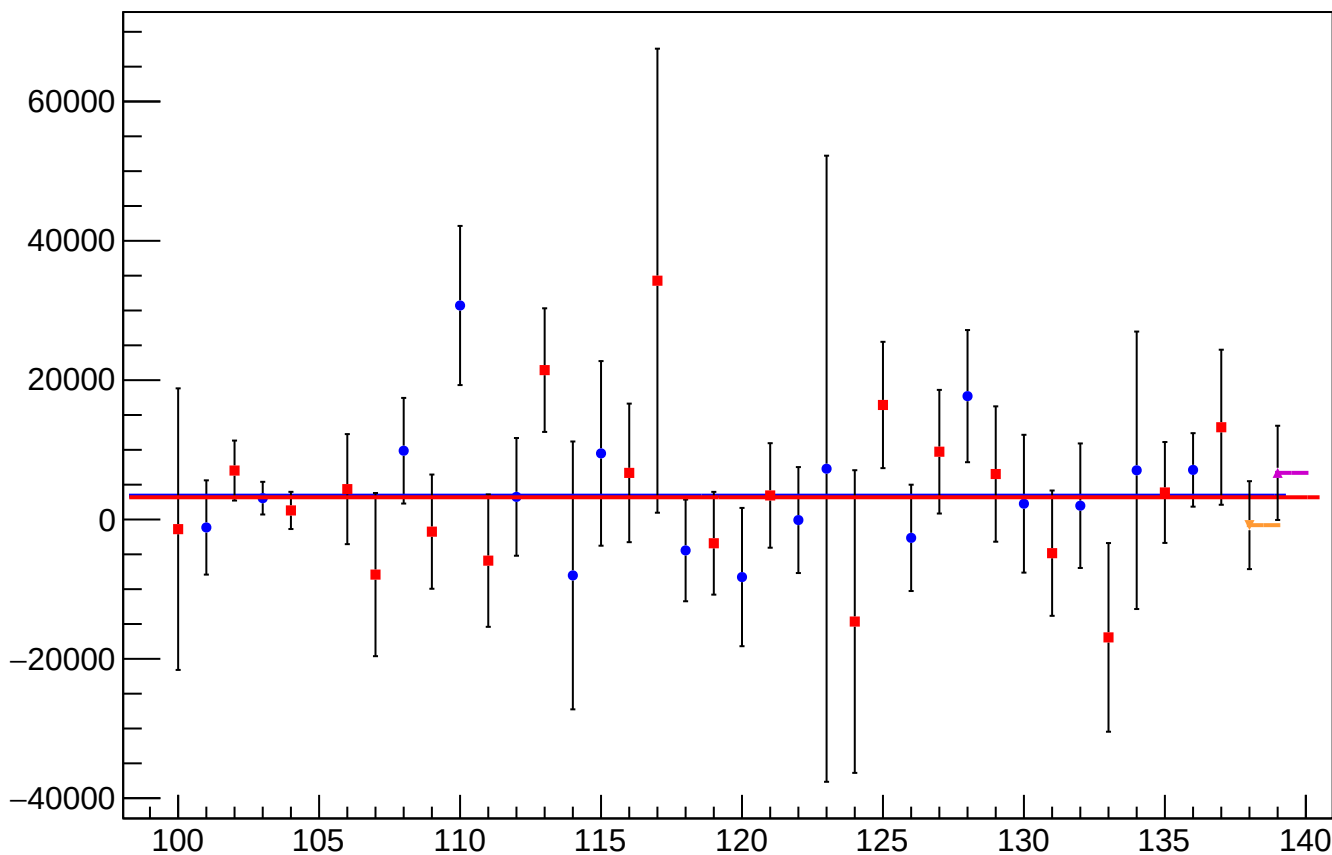
Left In: 5434.785+/-4.516 χ^2/NDF : 0.0/0

1899.929+/-0.687 χ^2/NDF : 7016231.2/17

1869.448+/-0.475 χ^2/NDF : 14026939.9/3

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: -810.889+/-6311.204 χ^2/NDF : 0.0/0

Right Out: 3190.143+/-1604.066 χ^2/NDF : 16.9/19

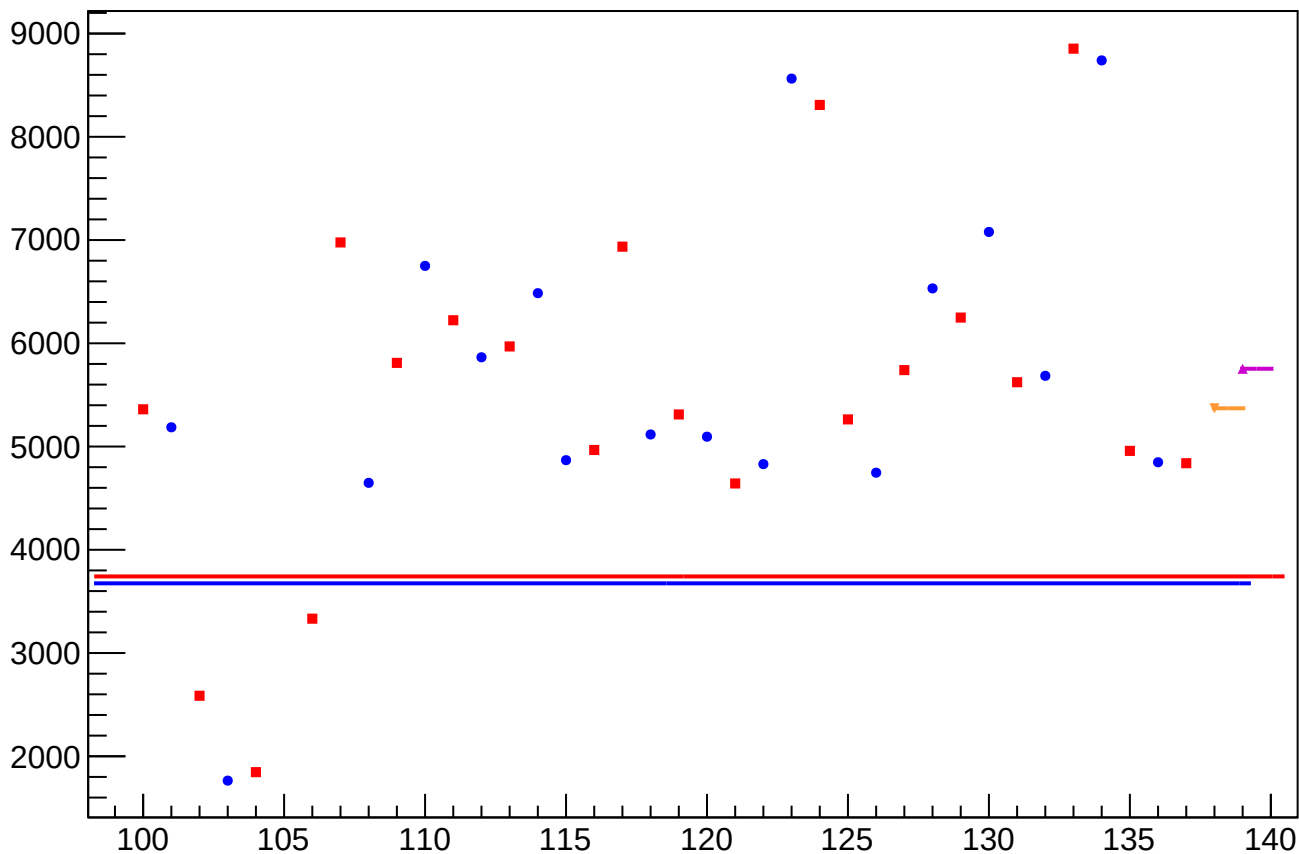
Left In: 6695.677+/-6761.846 χ^2/NDF : 0.0/0

3163.678+/-1557.016 χ^2/NDF : 14.1/17

3270.036+/-1102.295 χ^2/NDF : 31.3/38

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: 5370.449+/-4.463 χ^2/NDF : 0.0/0

Right Out: 3742.124+/-1.127 χ^2/NDF : 2712365.3/19

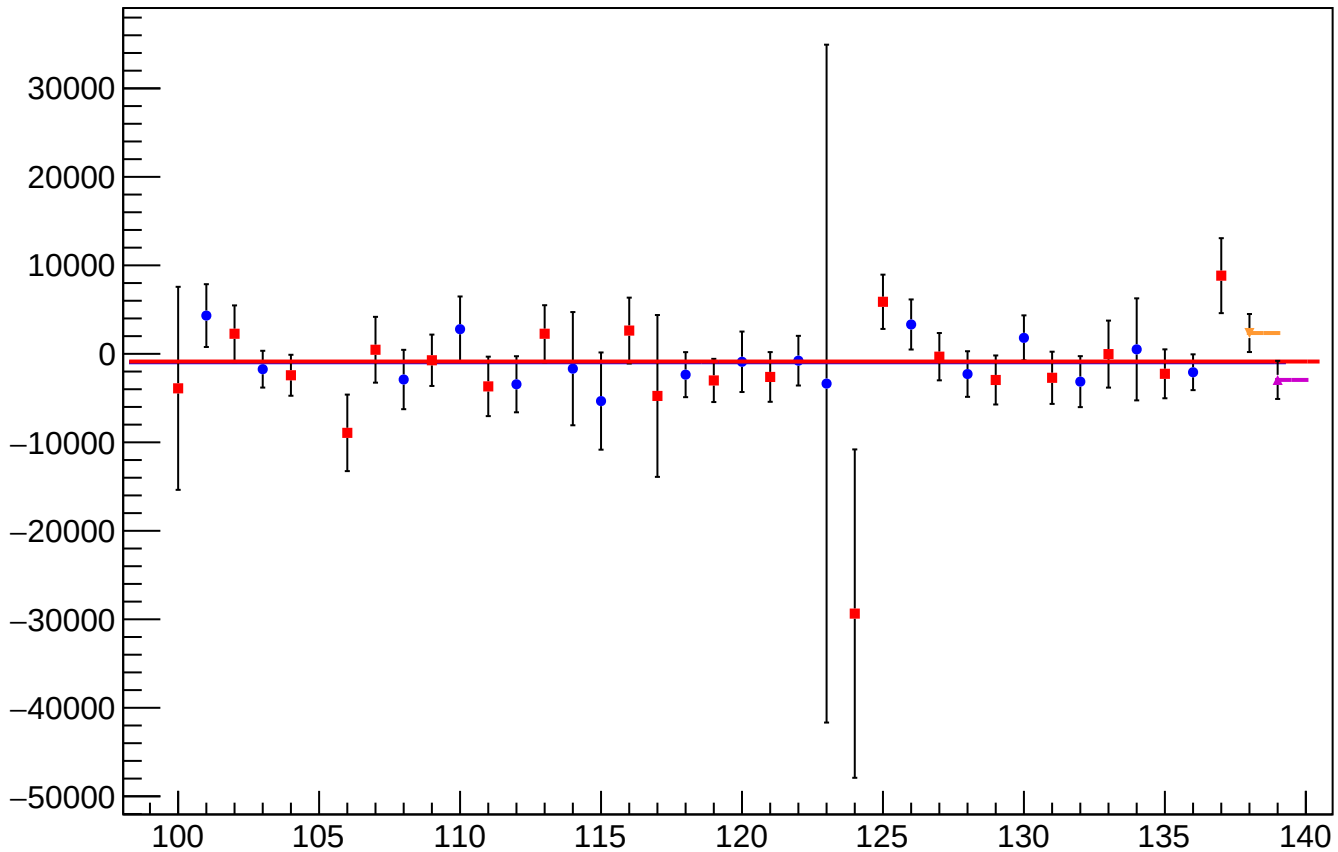
Left In: 5753.442+/-4.781 χ^2/NDF : 0.0/0

3778.195+/-1.101 χ^2/NDF : 2910636.4/17

3813.203+/-0.777 χ^2/NDF : 5792660.6/38

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: 2351.872+/-2148.618 χ^2 /NDF: 0.0/0

Right Out: -868.810+/-735.140 χ^2 /NDF: 22.7/19

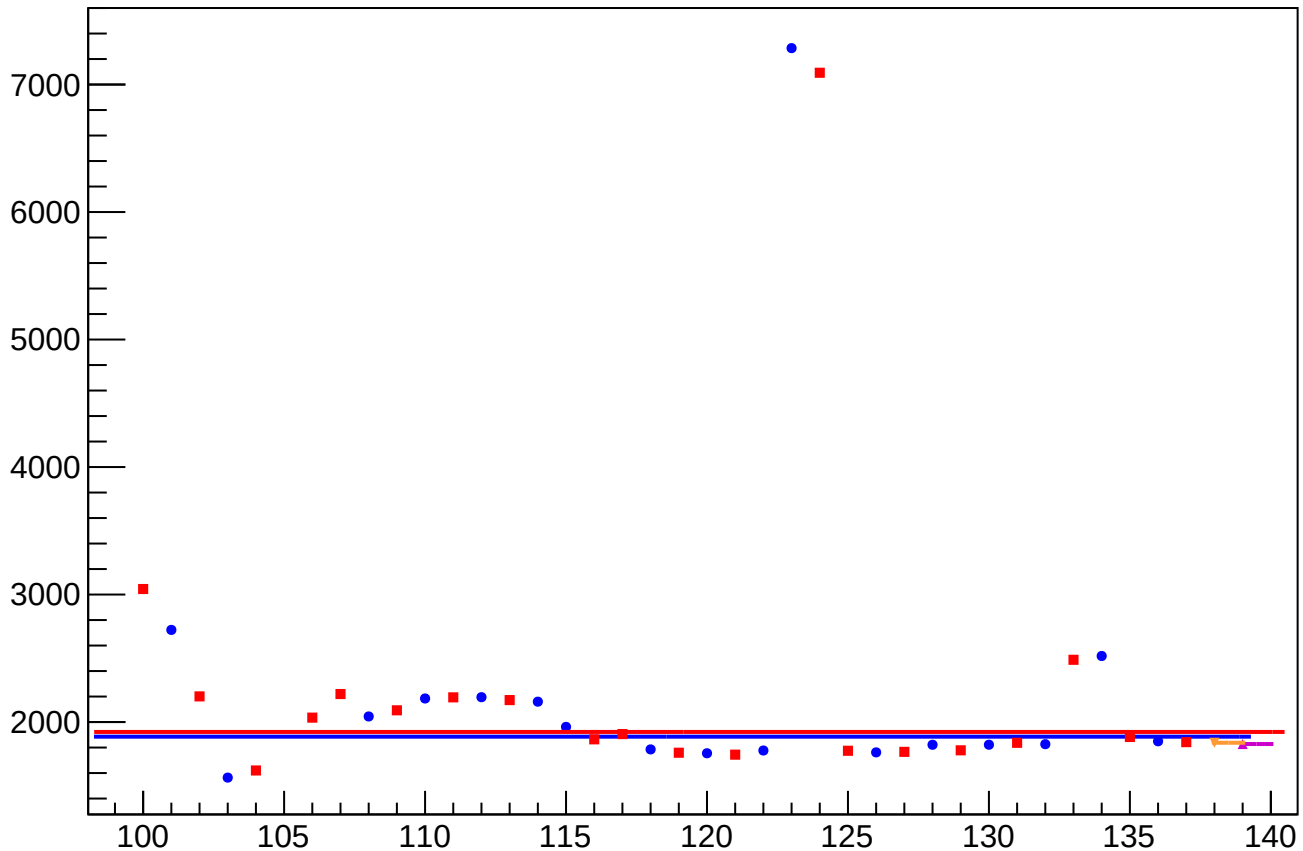
Left In: -2947.410+/-2151.082 χ^2 /NDF: 0.0/0

-600.540+/-700.231 χ^2 /NDF: 12.1/17

-844.964+/-493.506 χ^2 /NDF: 35.8/38

-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: 1837.663+/-1.519 χ^2/NDF : 0.0/0

Right Out: 1922.430+/-0.519 χ^2/NDF : 351518.8/19

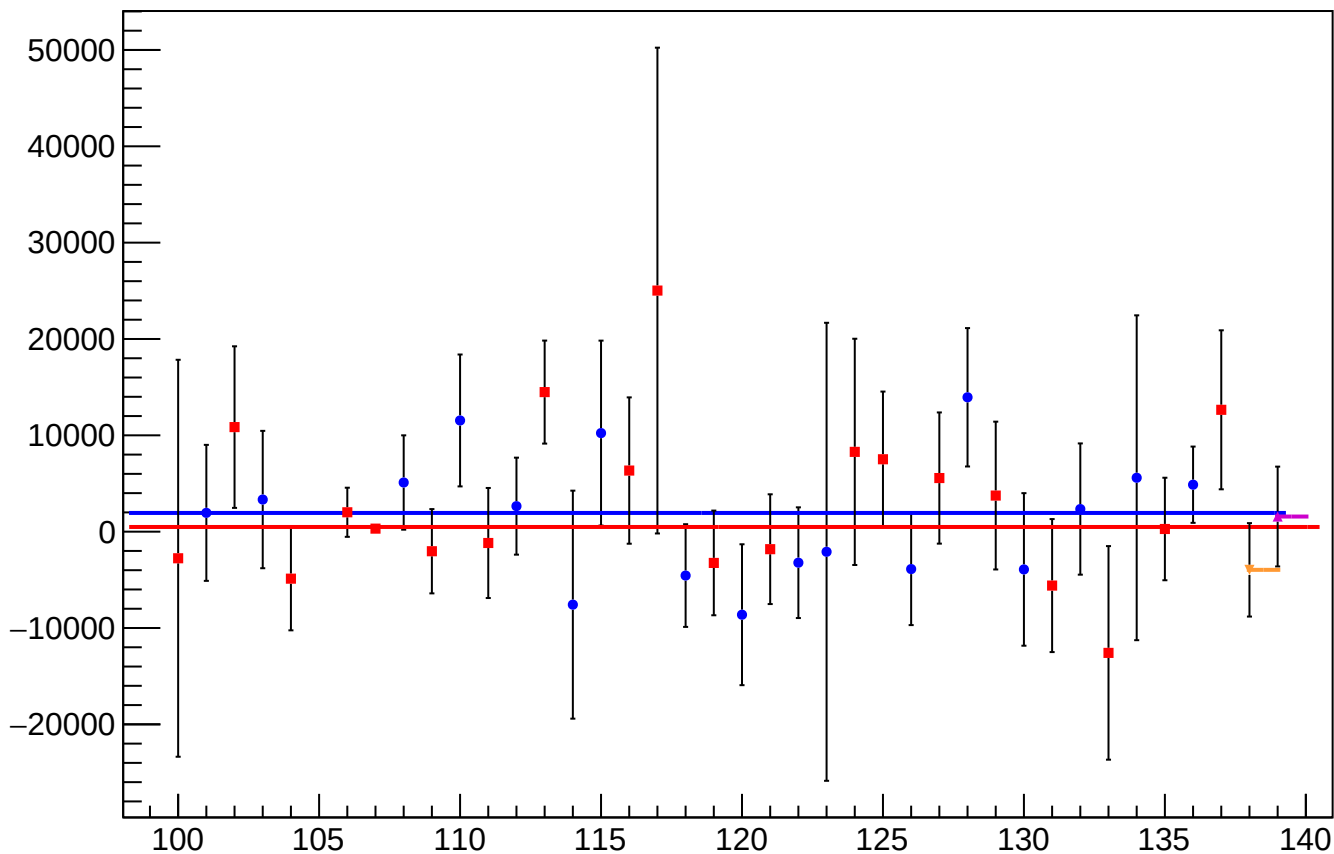
Left In: 1827.679+/-1.521 χ^2/NDF : 0.0/0

1880.294+/-0.495 χ^2/NDF : 281310.0/17

1896.550+/-0.349 χ^2/NDF : 638443.1/38

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: -3963.456+/-4849.346 χ^2/NDF : 0.0/0

Right Out: 486.774+/-453.611 χ^2/NDF : 19.0/19

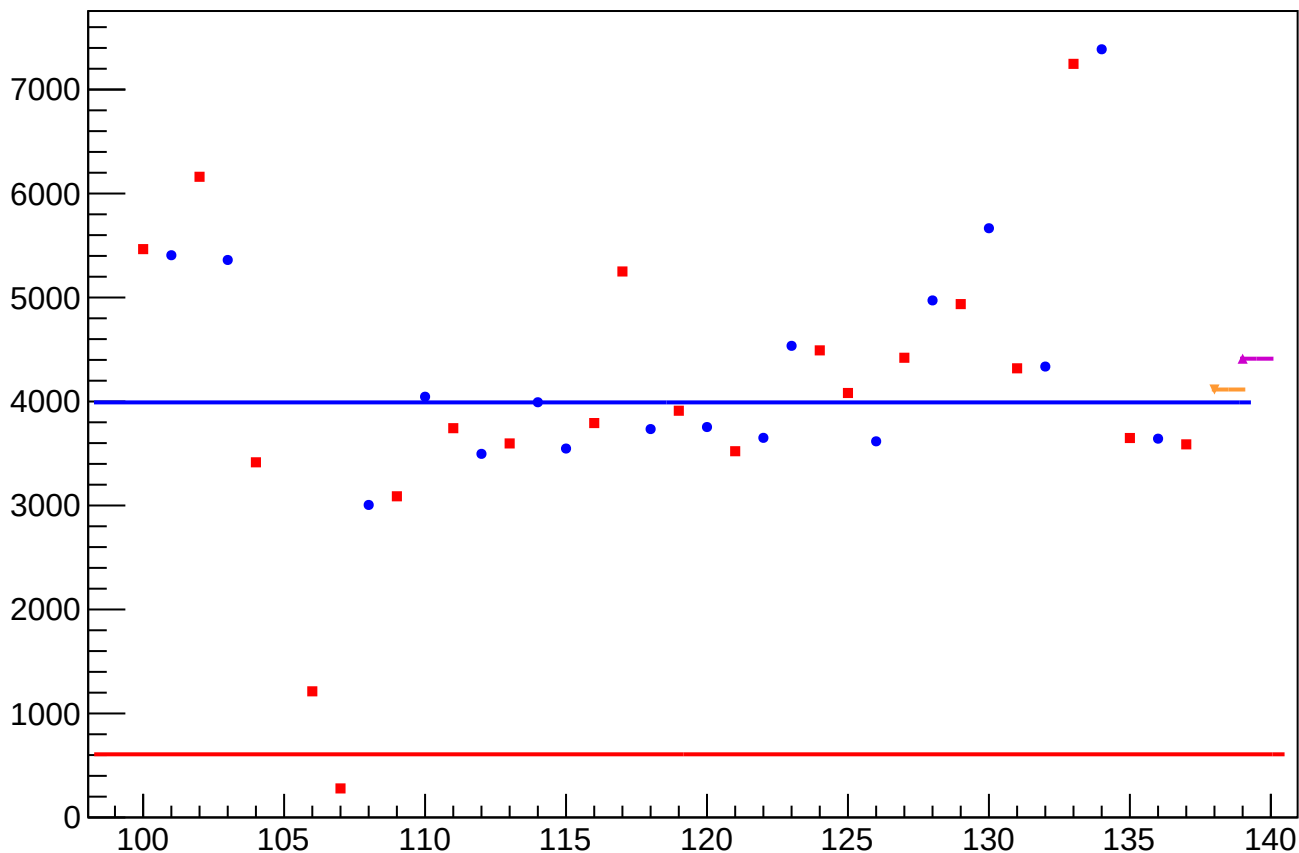
Left In: 1569.766+/-5180.904 χ^2/NDF : 0.0/0

1375.636+/-1503.184 χ^2/NDF : 14.5/17

568.000+/-432.751 χ^2/NDF : 33.9/38

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: 4115.325+/-3.429 χ^2/NDF : 0.0/0

Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

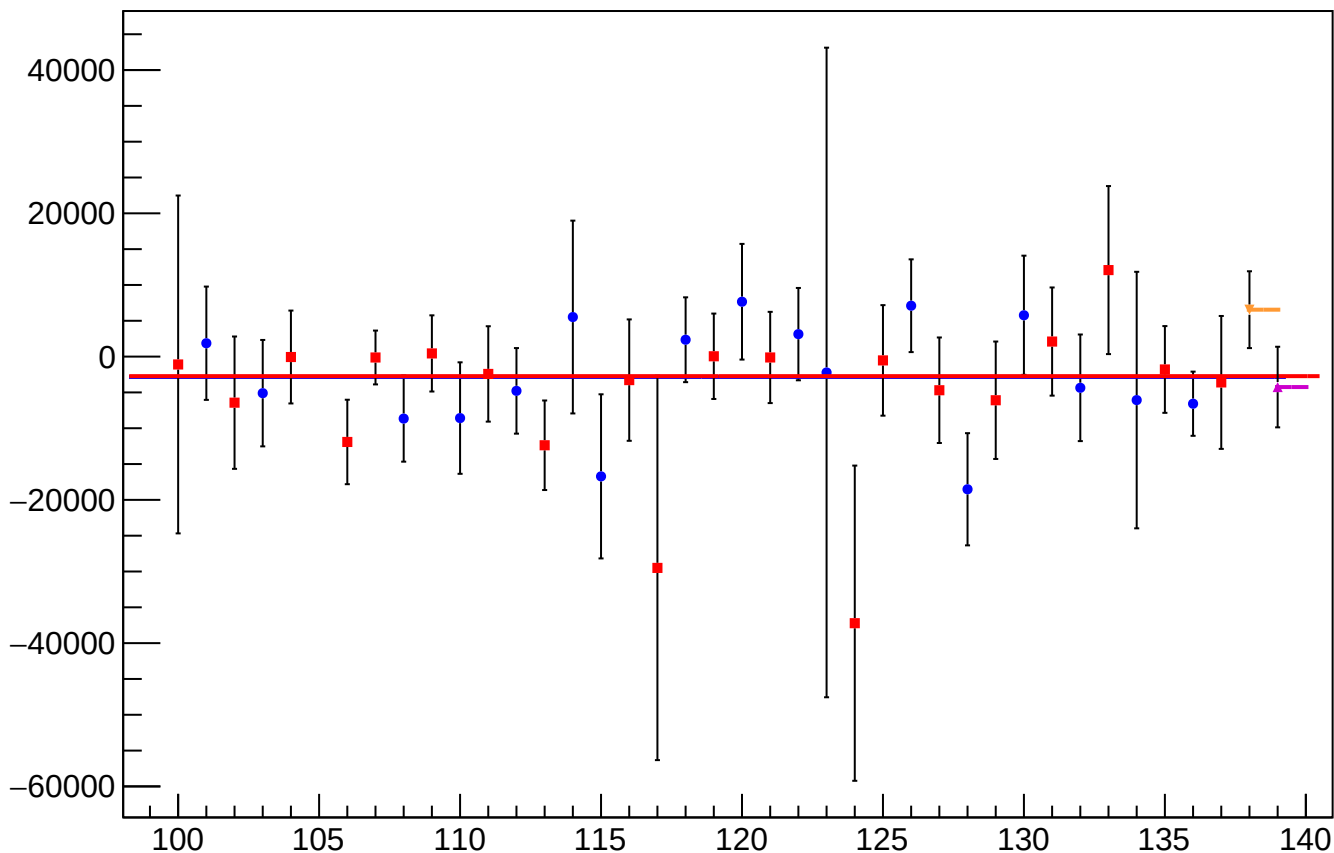
Left In: 4411.736+/-3.663 χ^2/NDF : 0.0/0

4003.322+/-1.063 χ^2/NDF : 511963.0/17

915.248+/-0.306 χ^2/NDF : 21100233.9/38

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: 6548.788 ± 5362.538 χ^2/NDF : 0.0/0

Right Out: -2729.311 ± 1572.398 χ^2/NDF : 12.2/19

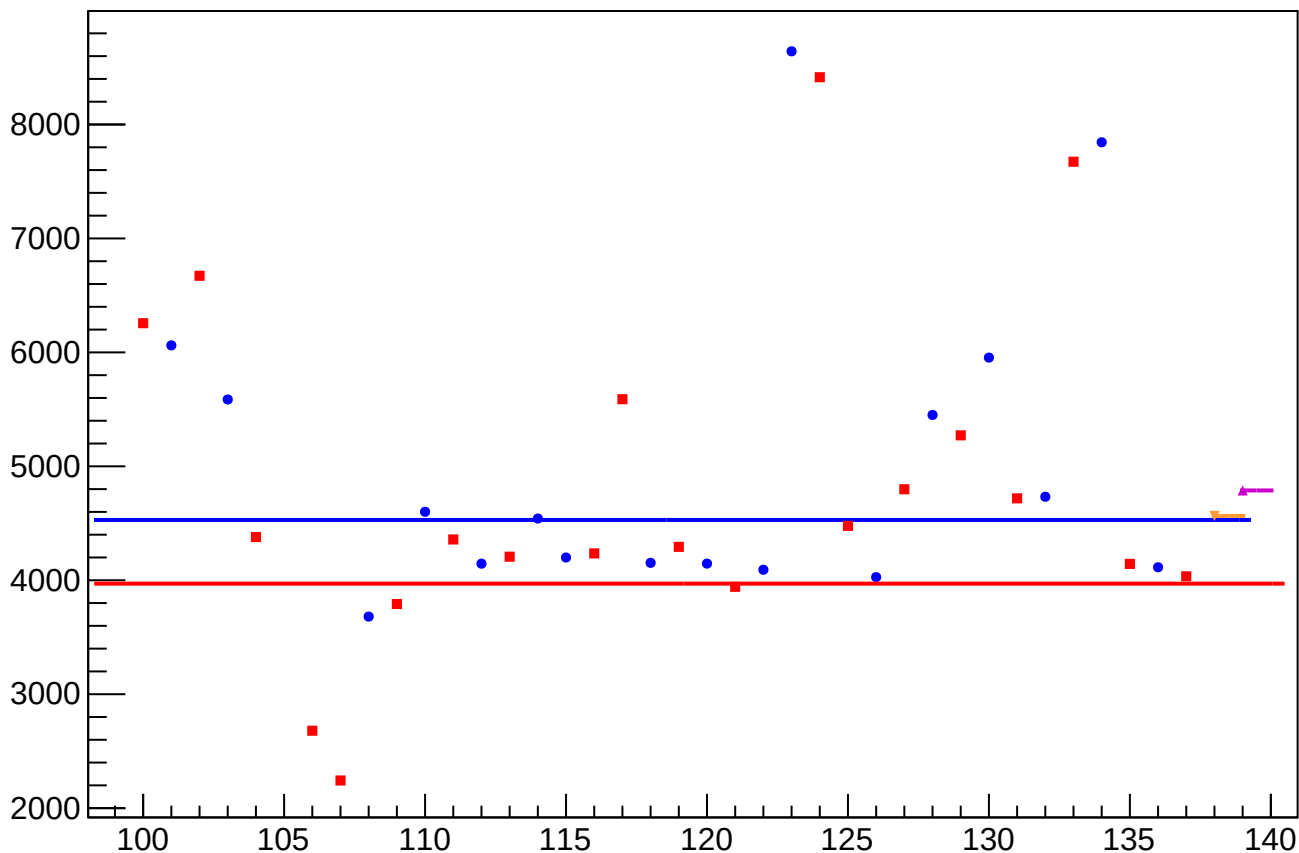
Left In: -4251.552 ± 5625.811 χ^2/NDF : 0.0/0

-1902.172 ± 1694.508 χ^2/NDF : 18.2/17

-2423.354 ± 1129.153 χ^2/NDF : 30.6/38

-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: 4564.909 $\pm$ 3.792 χ^2 /NDF: 0.0/0

Right Out: 3970.336 $\pm$ 1.105 χ^2 /NDF: 1147711.9/19

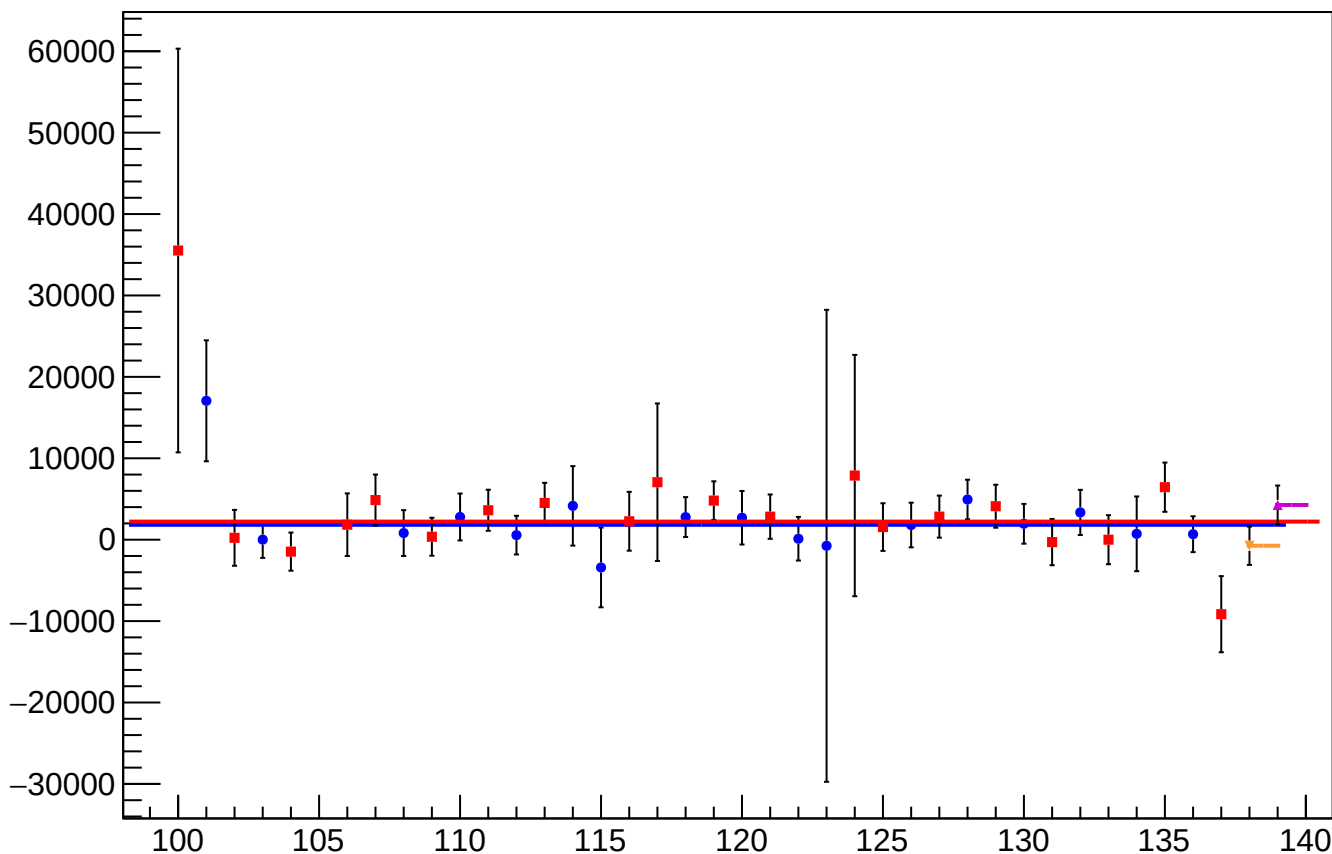
Left In: 4788.183 $\pm$ 3.978 χ^2 /NDF: 0.0/0

4533.001 $\pm$ 1.198 χ^2 /NDF: 389404.8/17

4251.262 $\pm$ 0.796 χ^2 /NDF: 1675283.2/38

4028.897 $\pm$ 1.064 χ^2 /NDF: 1186952.7/20

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: -743.805+/-2352.342 χ^2/NDF : 0.0/0

Right Out: 2222.274+/-682.500 χ^2/NDF : 18.6/19

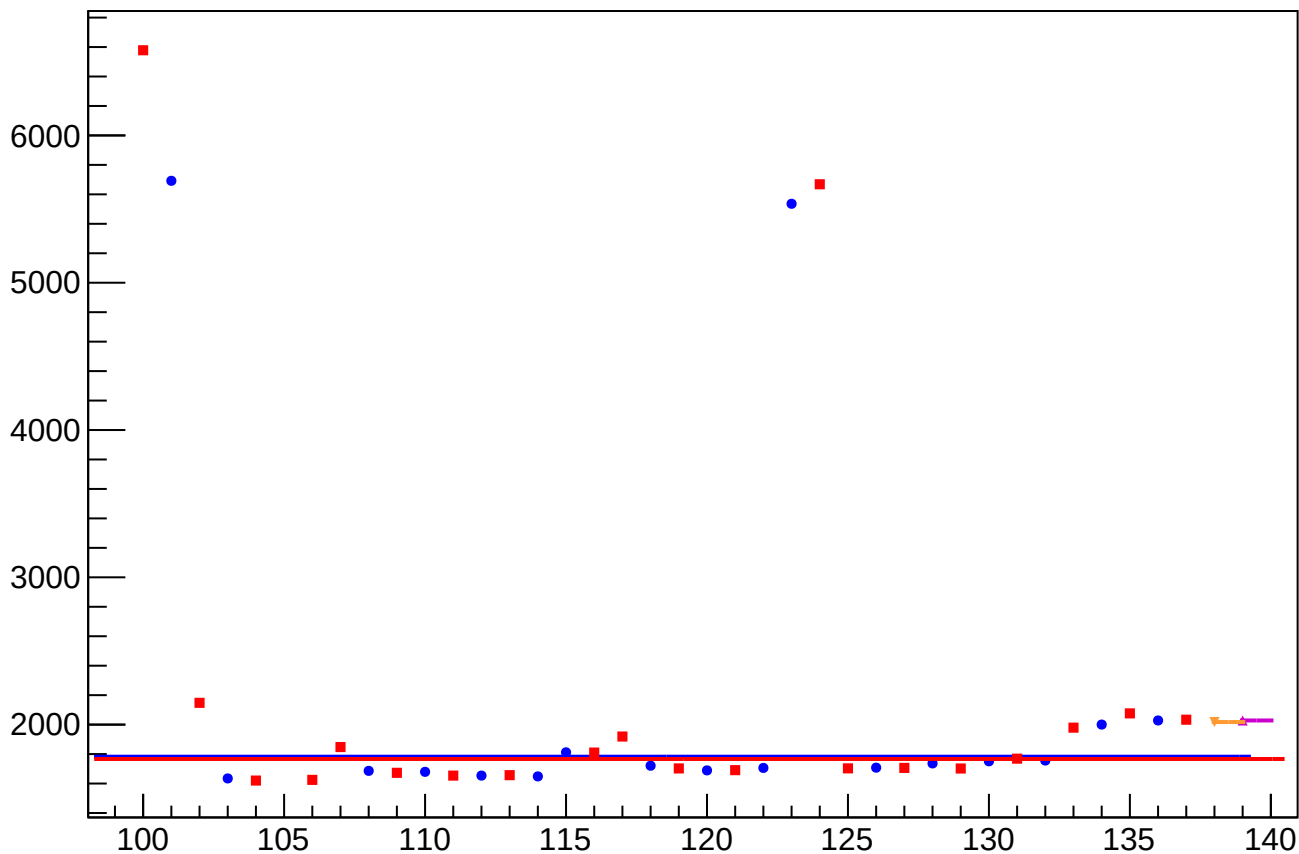
Left In: 4264.491+/-2386.567 χ^2/NDF : 0.0/0

1614.457+/-680.885 χ^2/NDF : 10.8/17

2009.631+/-472.487 χ^2/NDF : 30.7/38

2376.665+/-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: 2017.428+/-1.663 χ^2/NDF : 0.0/0

Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

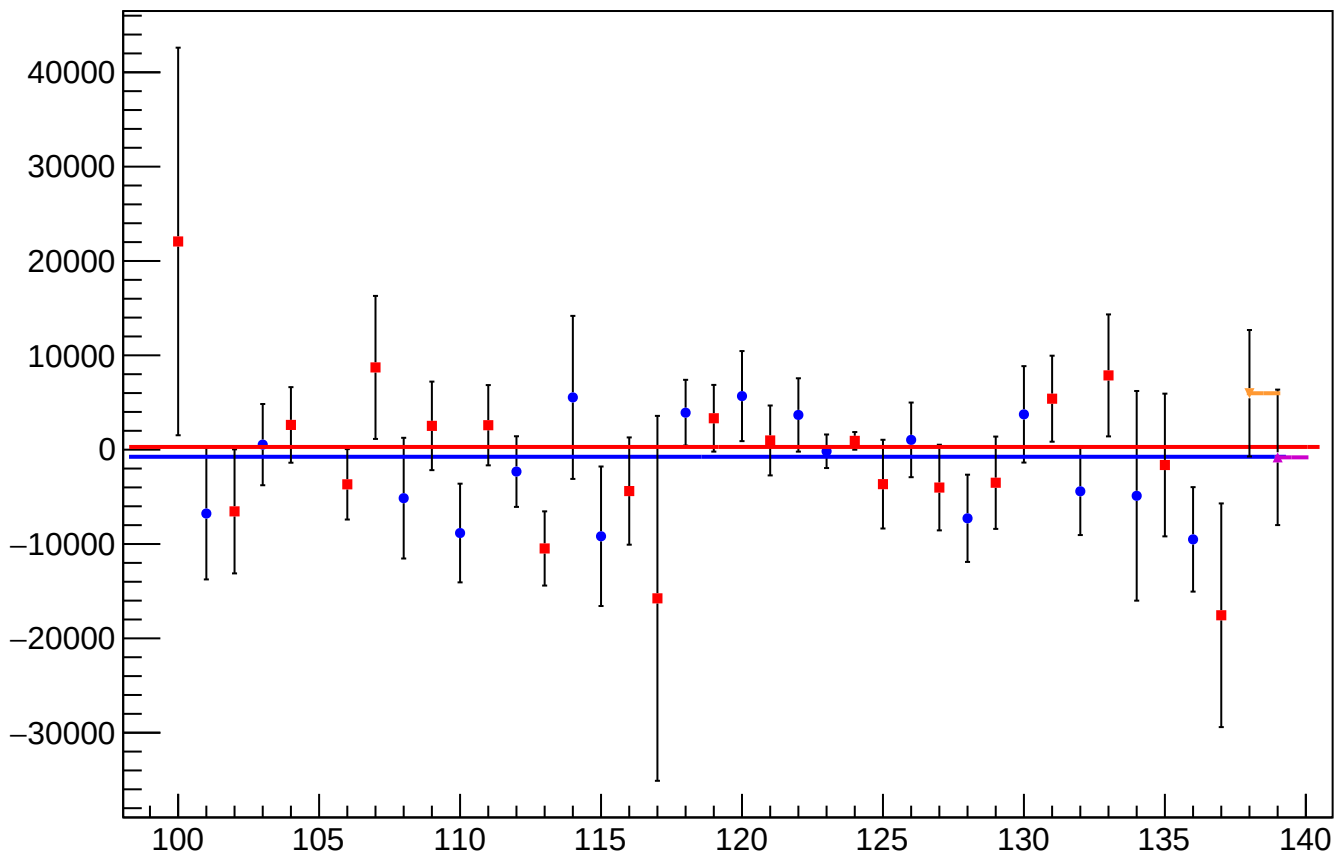
Left In: 2028.131+/-1.688 χ^2/NDF : 0.0/0

1801.850+/-0.481 χ^2/NDF : 663522.1/17

1793.704+/-0.333 χ^2/NDF : 993572.5/38

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: 5980.788+/-6703.056 χ^2/NDF : 0.0/0

Right Out: 288.847+/-724.622 χ^2/NDF : 22.7/19

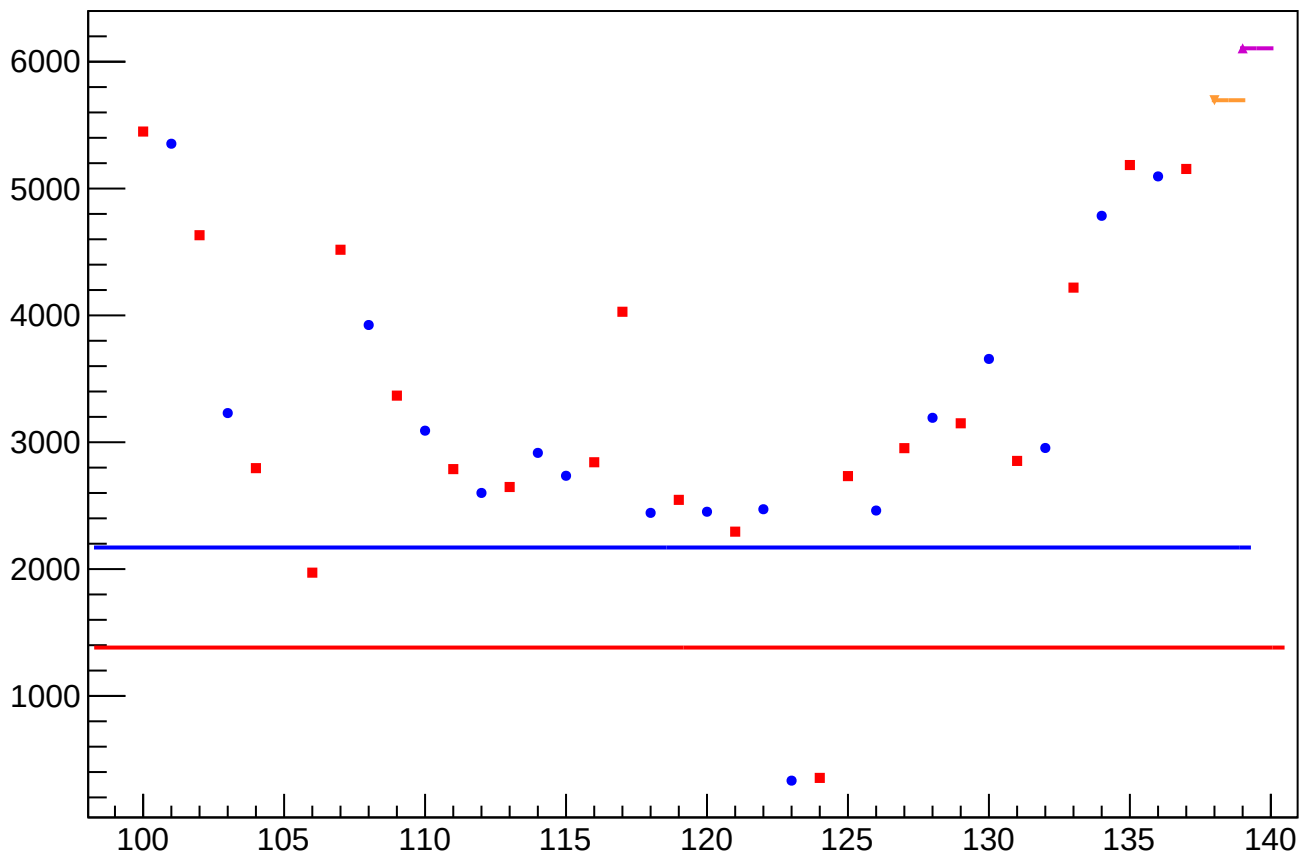
Left In: -813.108+/-7179.217 χ^2/NDF : 0.0/0

-604.357+/-997.298 χ^2/NDF : 17.9/17

-25.026+/-584.275 χ^2/NDF : 41.2/38

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 χ^2/NDF : 3973725.5/16

Left Out: 5696.297+/-4.740 χ^2/NDF : 0.0/0

Right Out: 1381.438+/-0.512 χ^2/NDF : 6884822.3/19

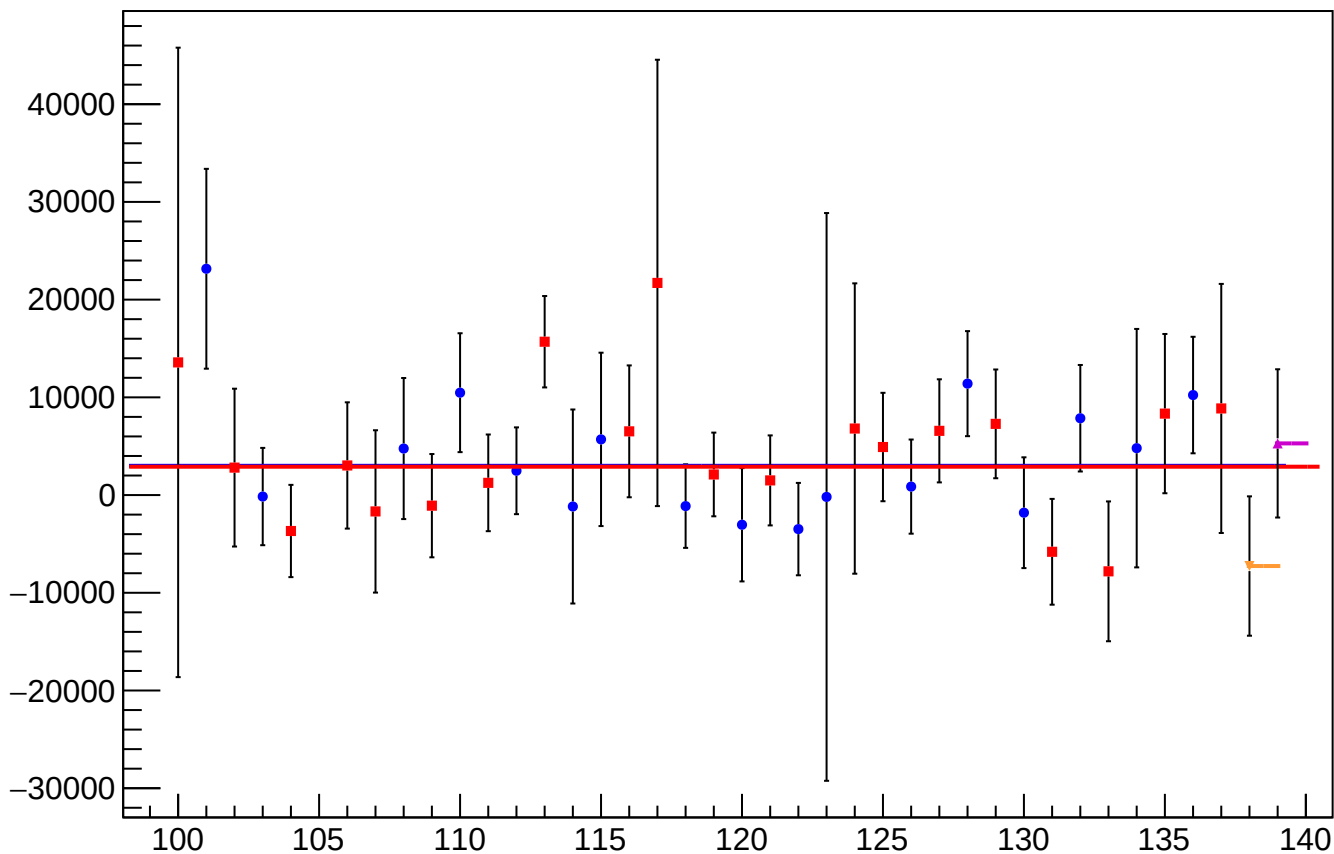
Left In: 6105.566+/-5.076 χ^2/NDF : 0.0/0

2248.296+/-0.705 χ^2/NDF : 4514904.4/17

1710.259+/-0.413 χ^2/NDF : 13143314.3/3

1429.080+/-0.510 χ^2/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: -7262.452 $\pm$ 7130.819 χ^2 /NDF: 0.0/0

Right Out: 2901.985 $\pm$ 1376.603 χ^2 /NDF: 18.4/19

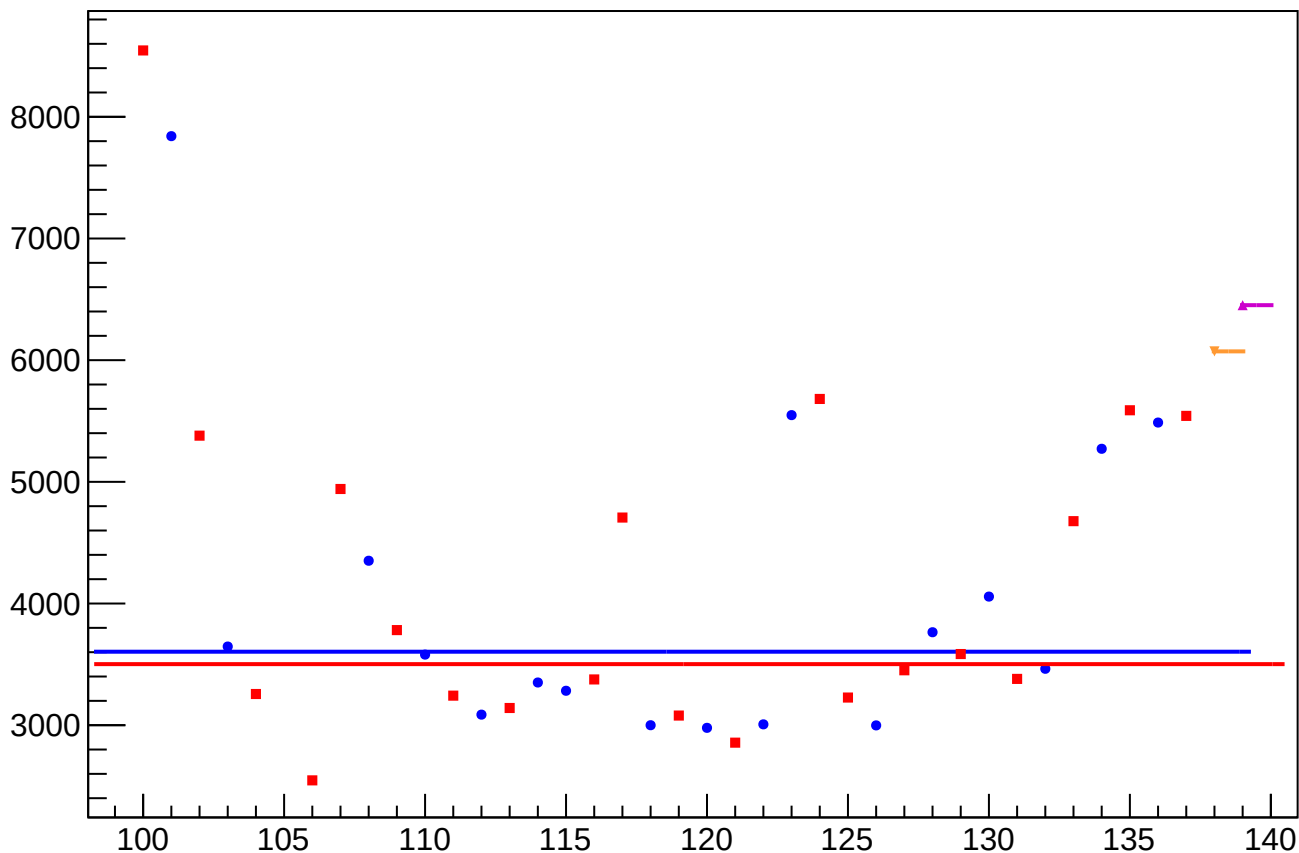
Left In: 5287.743 $\pm$ 7586.303 χ^2 /NDF: 0.0/0

2587.110 $\pm$ 1418.296 χ^2 /NDF: 17.7/17

2791.565 $\pm$ 979.547 χ^2 /NDF: 36.2/38

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 $\chi^2/\text{NDF}: 784674.5/16$

Left Out: 6072.322 ± 5.042 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 3501.857 ± 0.960 $\chi^2/\text{NDF}: 667483.1/19$

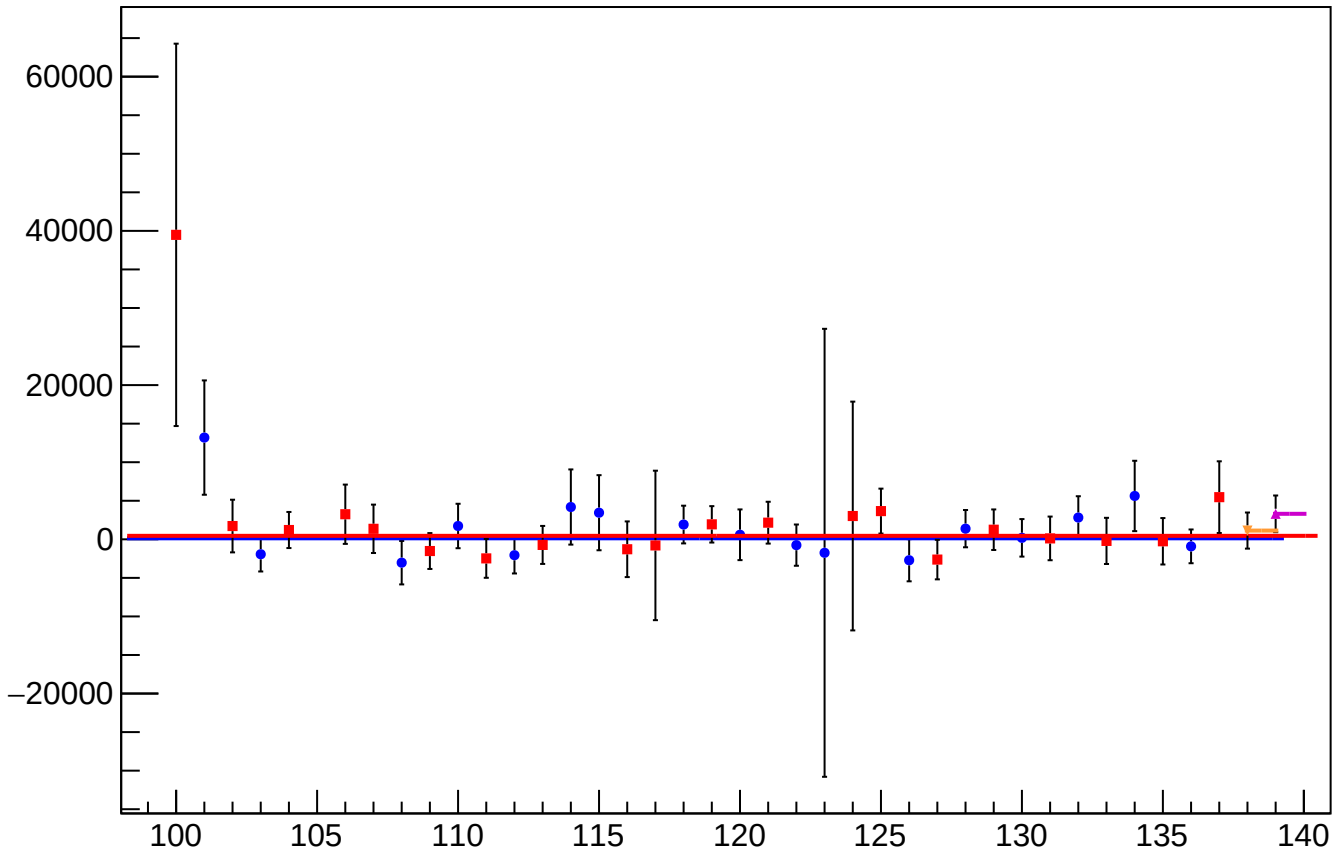
Left In: 6452.099 ± 5.364 $\chi^2/\text{NDF}: 0.0/0$

3701.578 ± 1.003 $\chi^2/\text{NDF}: 1014845.2/17$

3644.271 ± 0.688 $\chi^2/\text{NDF}: 1981578.8/38$

3593.398 ± 0.945 $\chi^2/\text{NDF}: 960569.7/20$

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913+/-709.207 χ^2/NDF : 12.2/16

Left Out: 1134.459+/-2341.893 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 452.872 ± 680.160 χ^2/NDF : 10.7/19

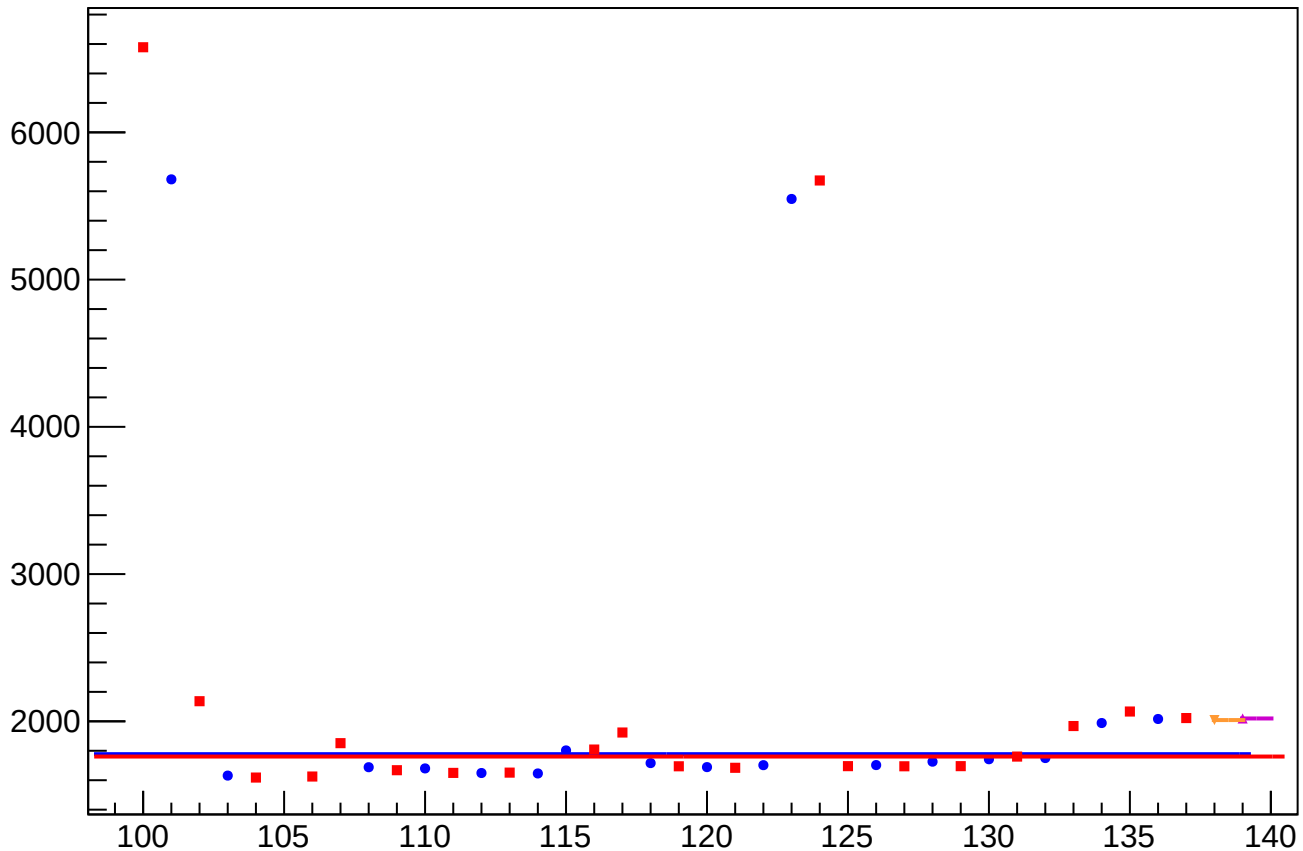
Left In: 3307.609+/-2376.138 χ^2/NDF :0.0/0

215.216+/-678.765 χ^2/NDF : 12.3/17

450.607+/-470.922 χ^2/NDF : 24.6/38

669.066+/-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: 2008.499+/-1.656 χ^2/NDF : 0.0/0

Right Out: 1760.787+/-0.478 χ^2/NDF : 306724.5/19

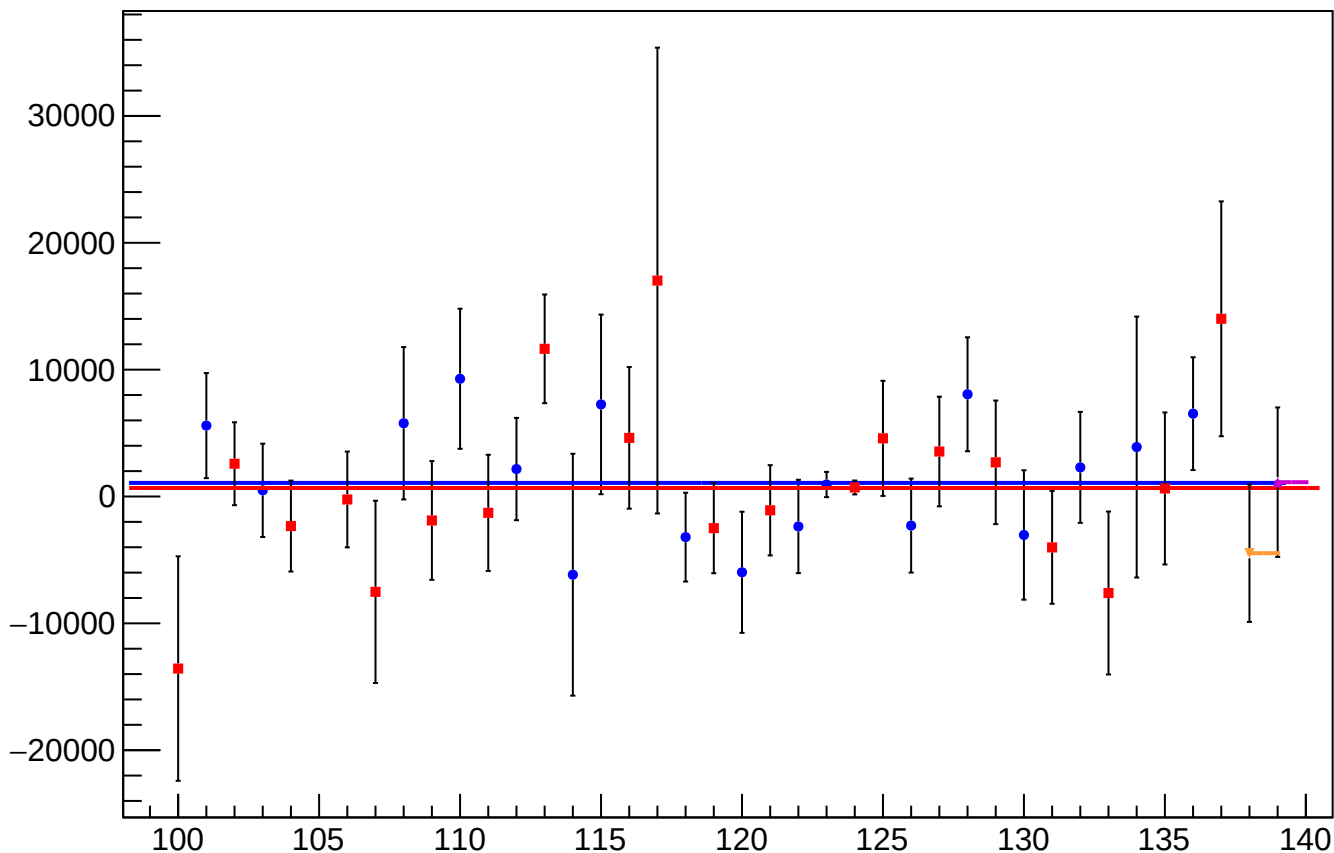
Left In: 2019.382+/-1.680 χ^2/NDF : 0.0/0

1796.336+/-0.480 χ^2/NDF : 661496.9/17

1787.878+/-0.332 χ^2/NDF : 990733.0/38

1780.126+/-0.459 χ^2/NDF : 328641.0/20

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194 $\pm$ 752.280 χ^2 /NDF: 15.6/16

Left Out: -4468.599 $\pm$ 5418.636 χ^2 /NDF: 0.0/0

Right Out: 670.313 $\pm$ 487.861 χ^2 /NDF: 20.6/19

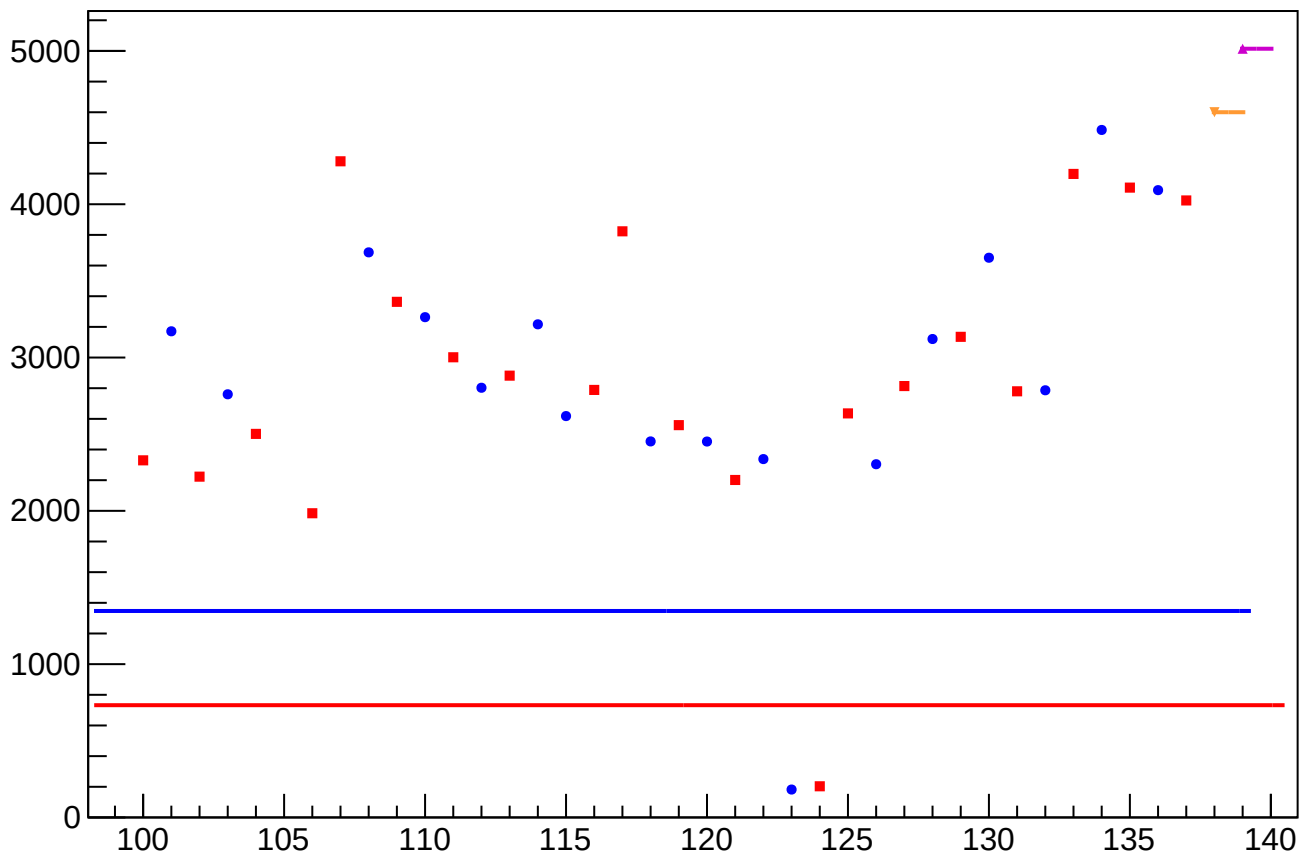
Left In: 1127.877 $\pm$ 5893.271 χ^2 /NDF: 0.0/0

967.419 $\pm$ 745.133 χ^2 /NDF: 16.6/17

761.218 $\pm$ 407.184 χ^2 /NDF: 37.3/38

673.427 $\pm$ 486.198 χ^2 /NDF: 20.6/20

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 4600.254 $\pm$ 3.832 χ^2 /NDF: 0.0/0

Right Out: 732.303 $\pm$ 0.345 χ^2 /NDF: 9559853.6/19

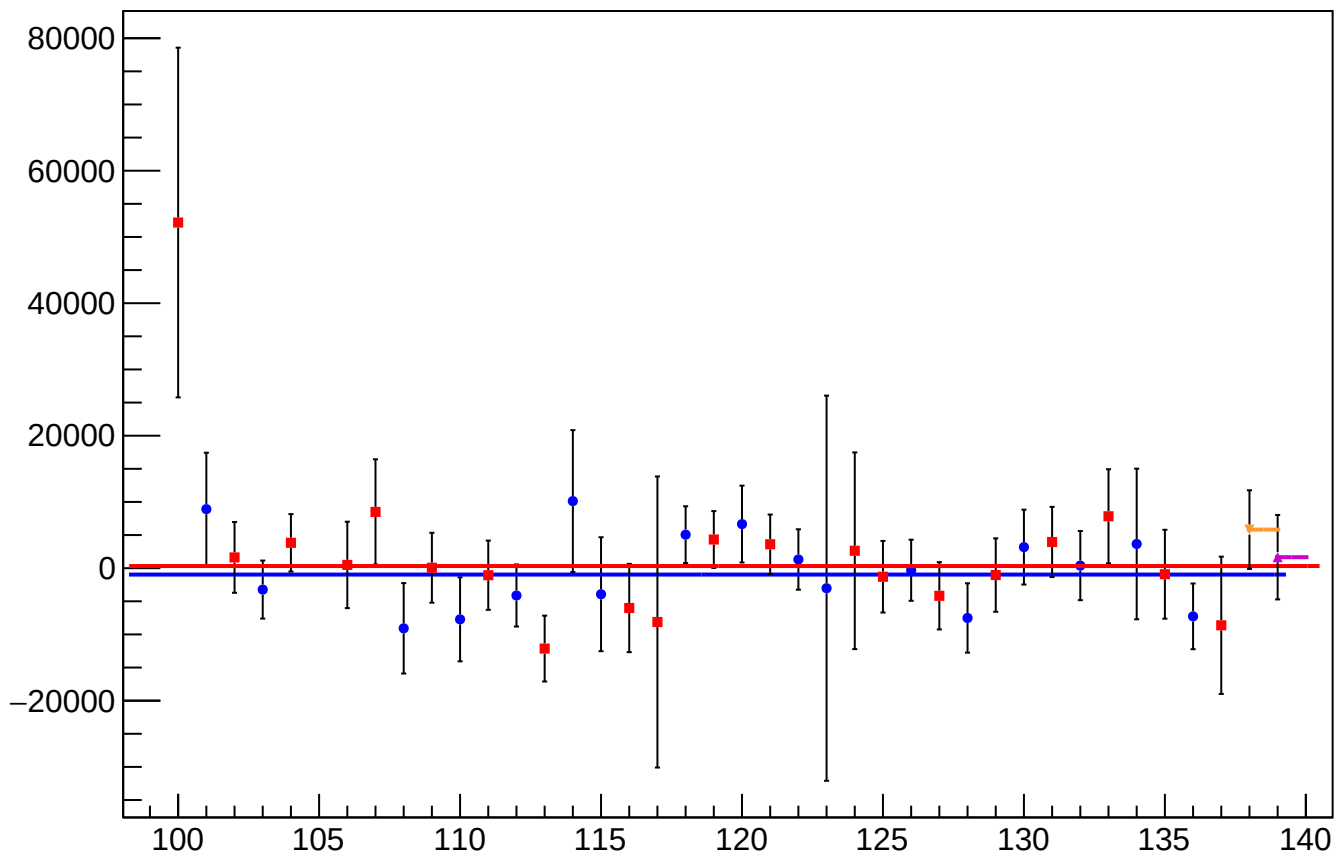
Left In: 5014.347 $\pm$ 4.167 χ^2 /NDF: 0.0/0

1408.358 $\pm$ 0.527 χ^2 /NDF: 7546469.5/17

954.626 $\pm$ 0.288 χ^2 /NDF: 19212342.8/38

761.448 $\pm$ 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: 5821.829+/-5937.162 χ^2/NDF : 0.0/0

Right Out: 323.694+/-1327.331 χ^2/NDF : 17.8/19

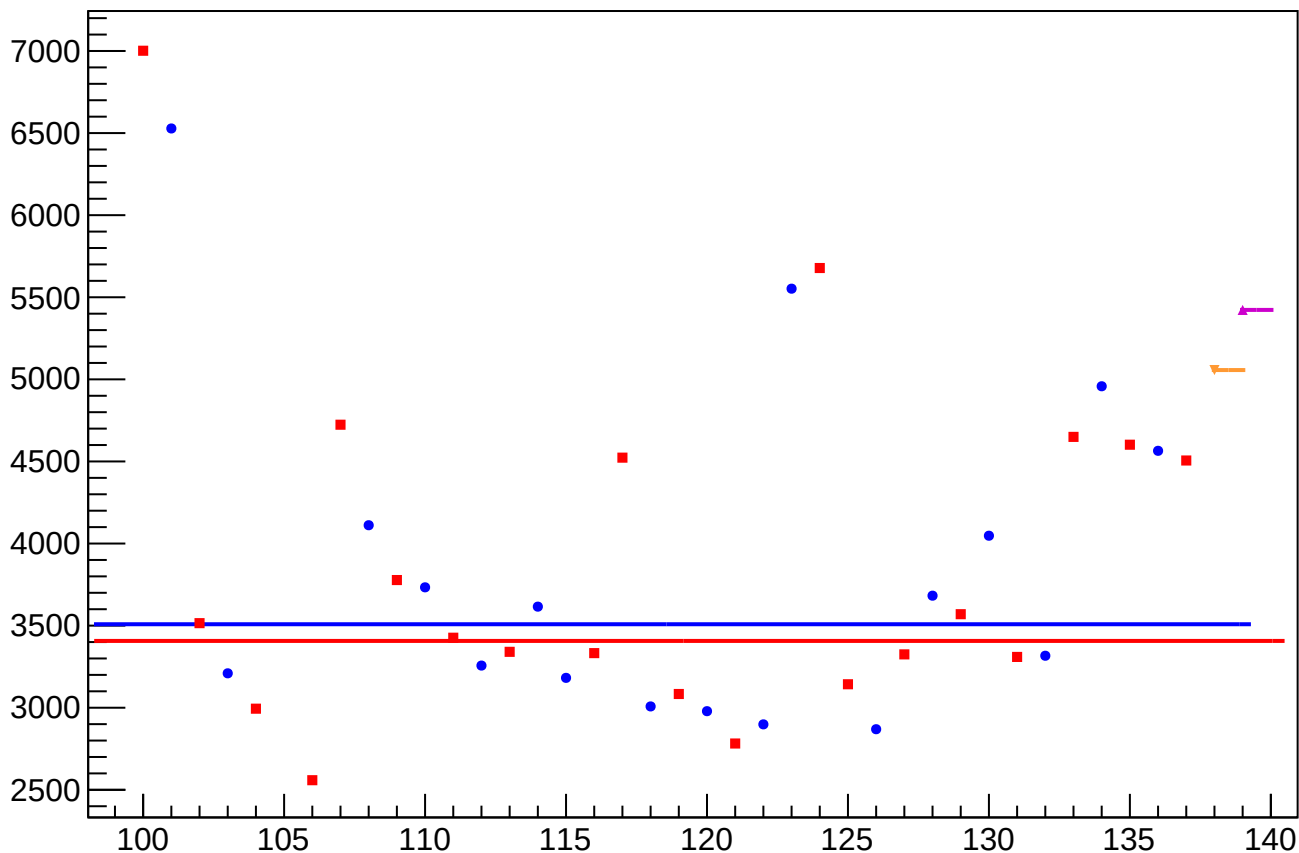
Left In: 1658.986+/-6374.124 χ^2/NDF : 0.0/0

-608.819+/-1358.595 χ^2/NDF : 15.0/17

-92.843+/-939.065 χ^2/NDF : 33.1/38

379.190+/-1299.456 χ^2/NDF : 17.8/20

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 $\pm$ 0.987 χ^2 /NDF: 562197.7/16

Left Out: 5056.659 $\pm$ 4.198 χ^2 /NDF: 0.0/0

Right Out: 3406.868 $\pm$ 0.926 χ^2 /NDF: 433737.9/19

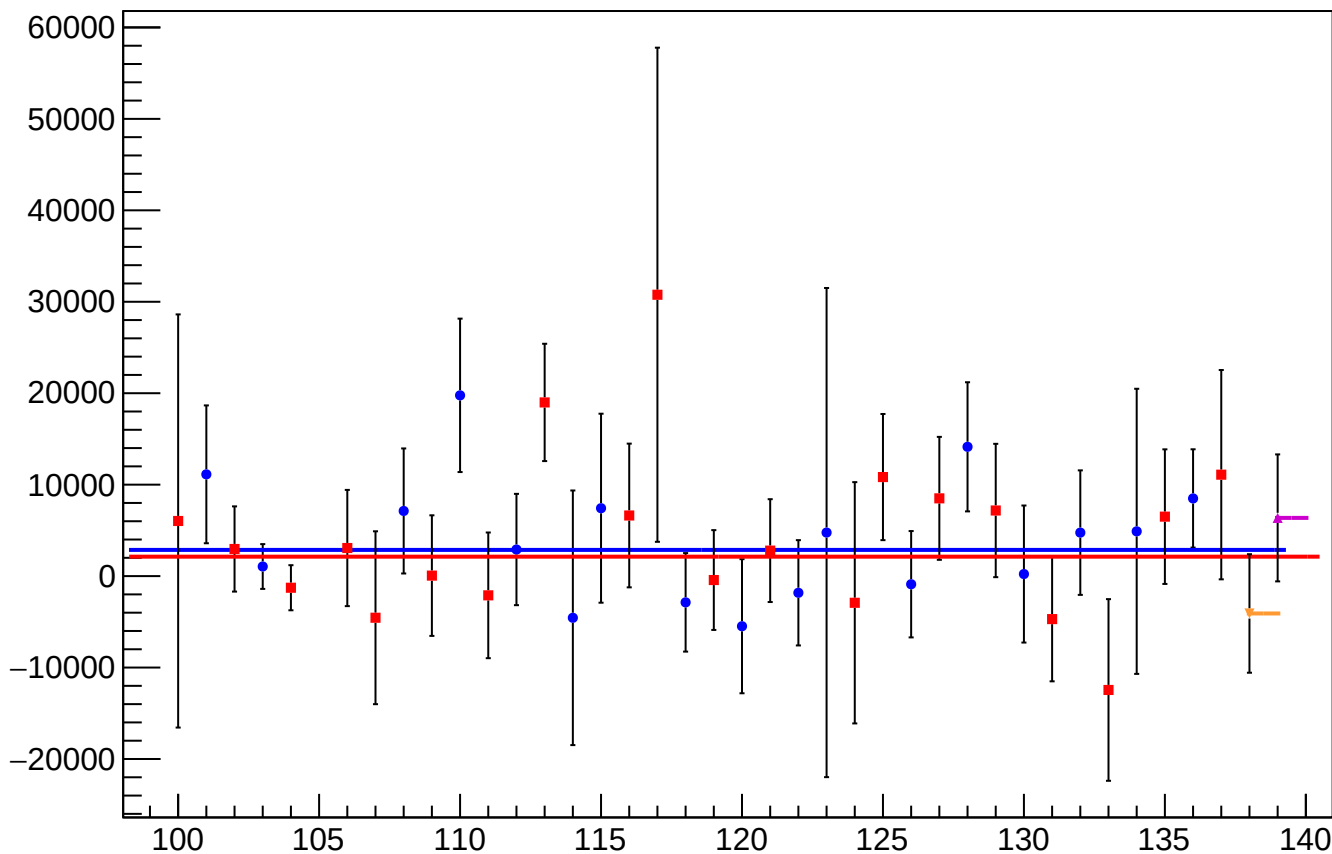
Left In: 5422.955 $\pm$ 4.507 χ^2 /NDF: 0.0/0

3589.549 $\pm$ 0.961 χ^2 /NDF: 691068.7/17

3536.202 $\pm$ 0.660 χ^2 /NDF: 1322612.9/38

3488.597 $\pm$ 0.907 χ^2 /NDF: 625708.7/20

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: -4086.240 $\pm$ 6480.434 χ^2 /NDF: 0.0/0

Right Out: 2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

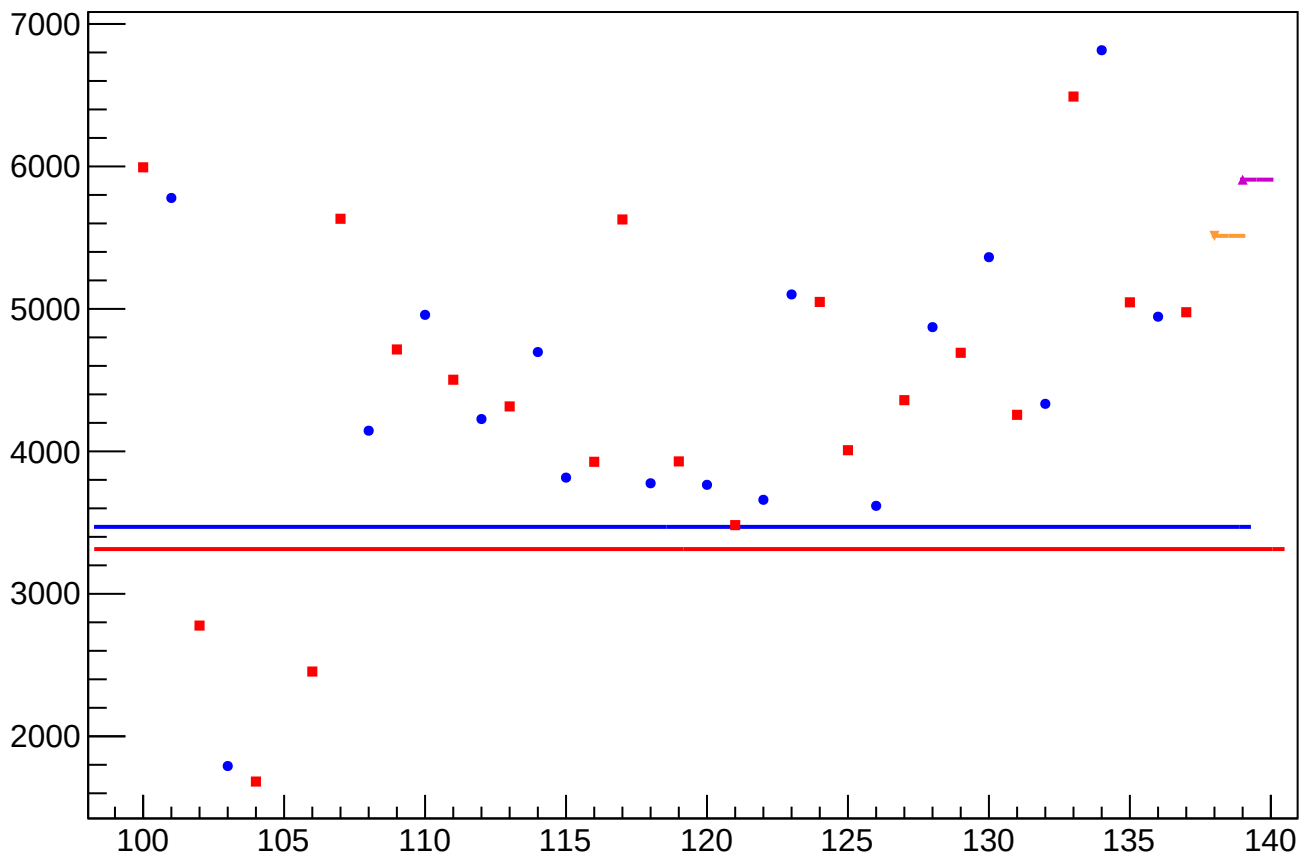
Left In: 6365.830 $\pm$ 6943.264 χ^2 /NDF: 0.0/0

2532.207 $\pm$ 1417.481 χ^2 /NDF: 15.2/17

2404.017 $\pm$ 978.835 χ^2 /NDF: 34.3/38

2287.171 $\pm$ 1353.311 χ^2 /NDF: 19.2/20

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5512.679 $\pm$ 4.582 χ^2 /NDF: 0.0/0

Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

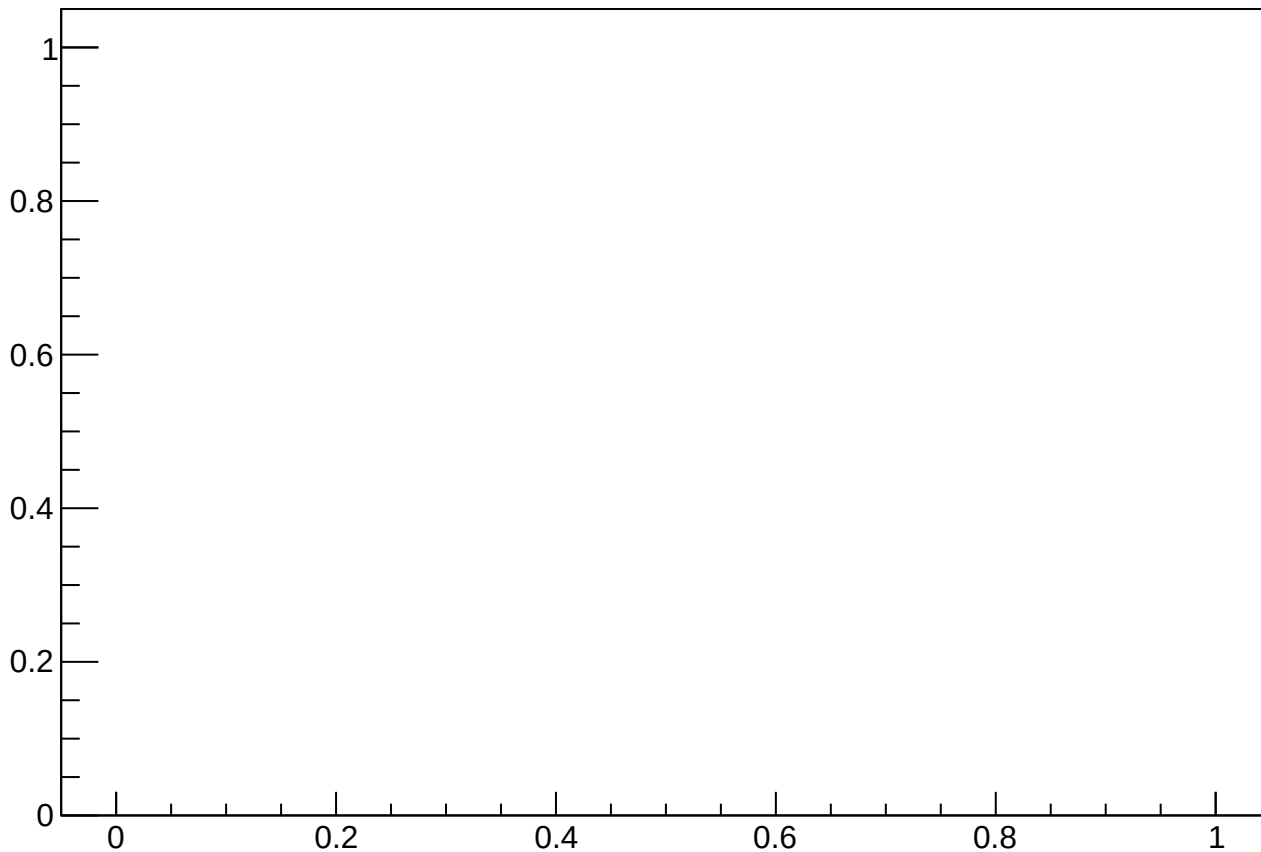
Left In: 5907.336 $\pm$ 4.910 χ^2 /NDF: 0.0/0

3567.765 $\pm$ 1.002 χ^2 /NDF: 1950057.2/17

3485.054 $\pm$ 0.689 χ^2 /NDF: 4157009.1/38

3410.976 $\pm$ 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

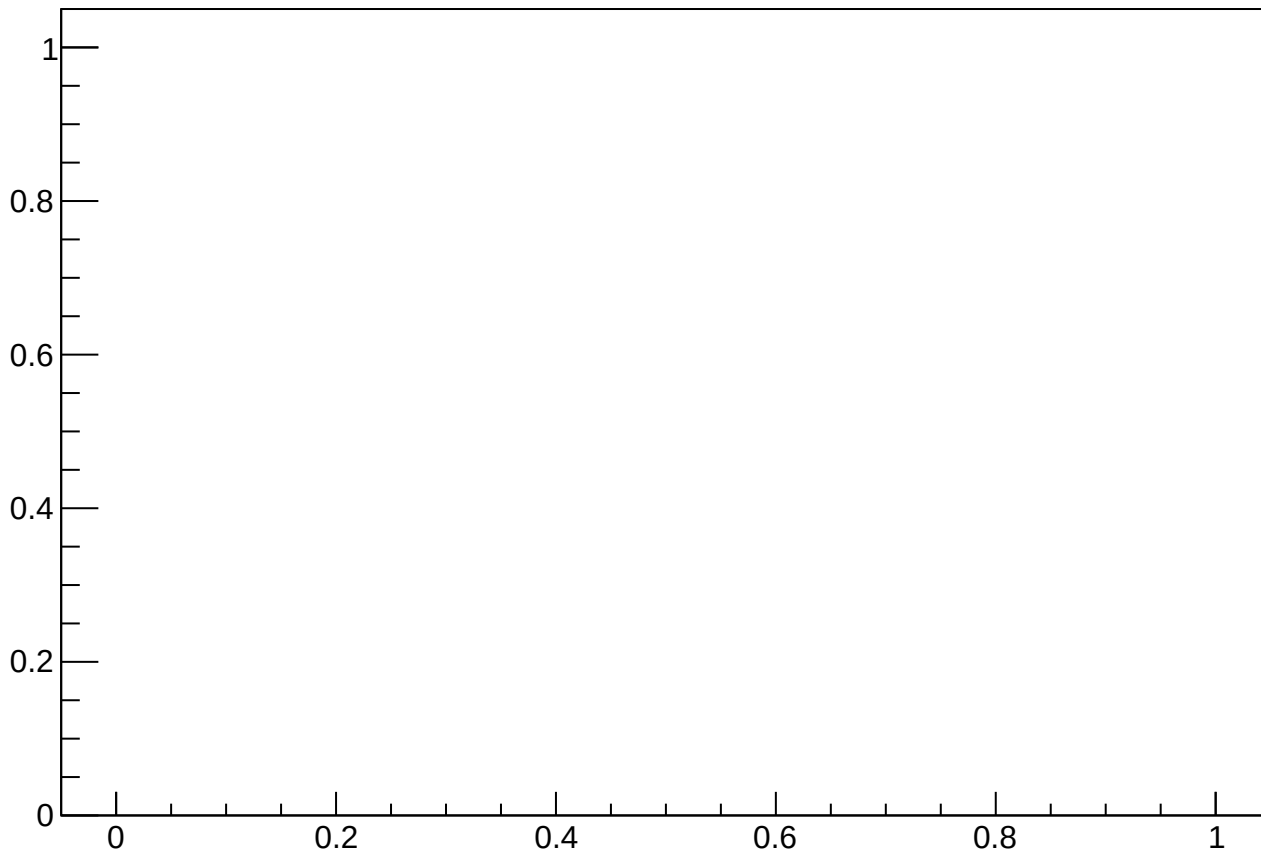
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

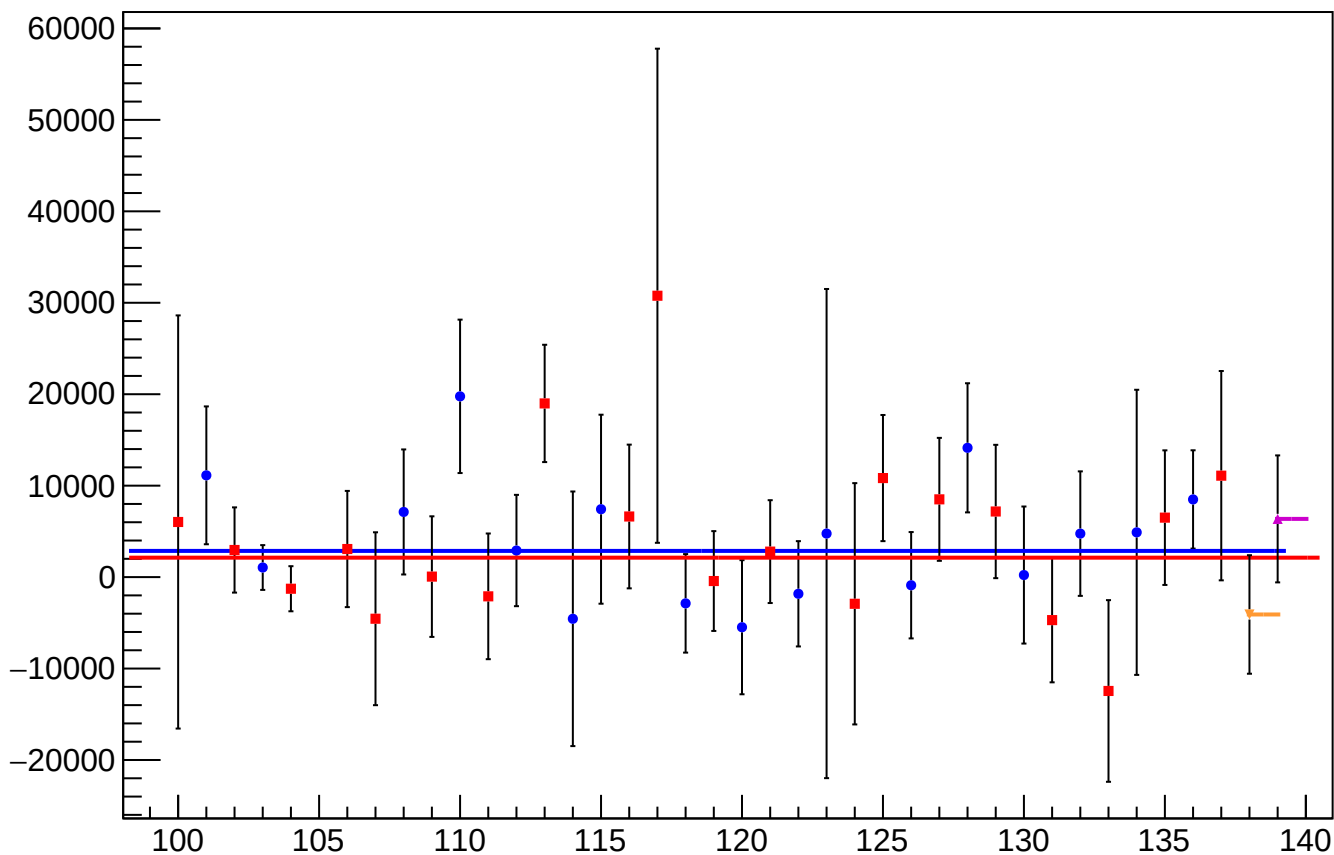
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: -4086.240 $\pm$ 6480.434 χ^2 /NDF: 0.0/0

Right Out: 2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

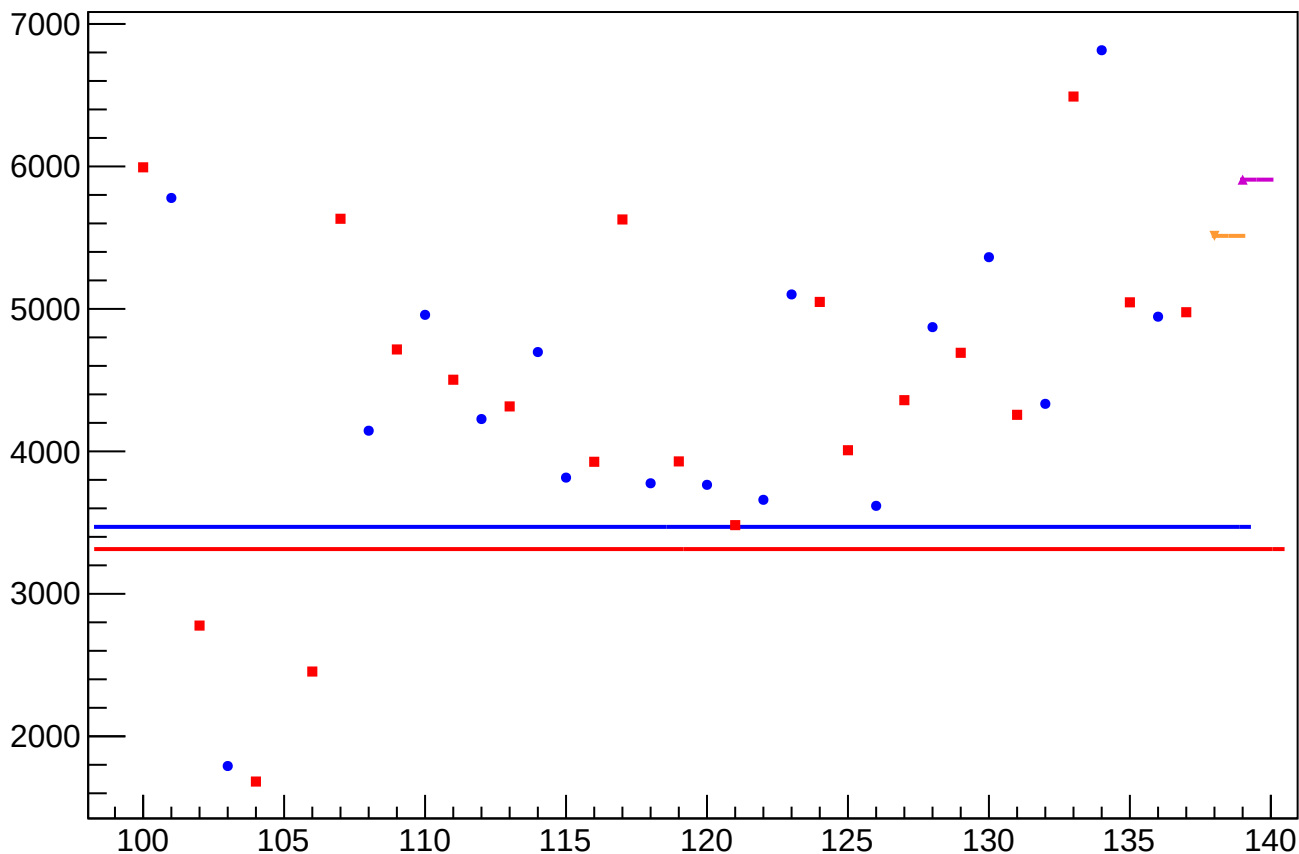
Left In: 6365.830 $\pm$ 6943.264 χ^2 /NDF: 0.0/0

2532.207 $\pm$ 1417.481 χ^2 /NDF: 15.2/17

2404.017 $\pm$ 978.835 χ^2 /NDF: 34.3/38

2287.171 $\pm$ 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: 5512.679 $\pm$ 4.582 χ^2 /NDF: 0.0/0

Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

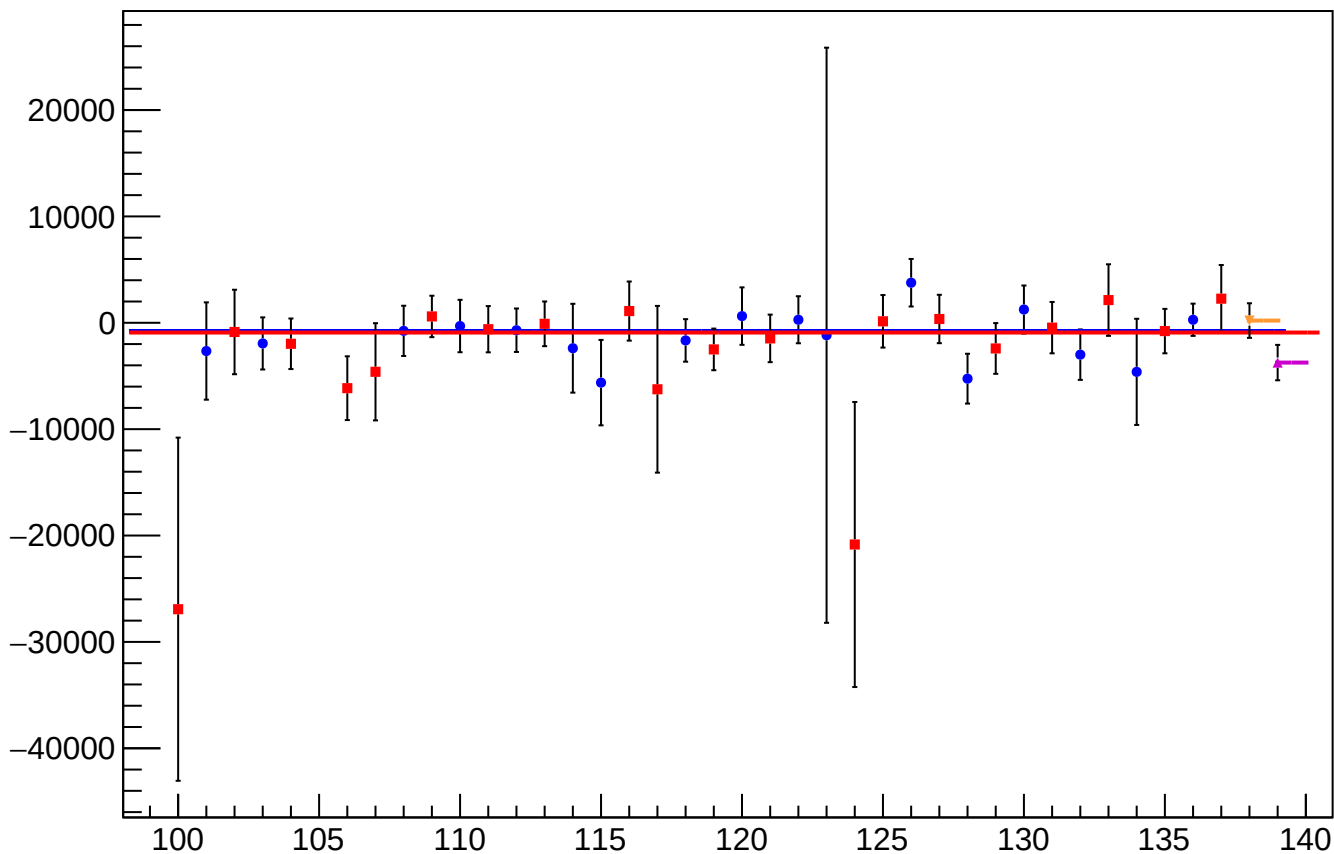
Left In: 5907.336 $\pm$ 4.910 χ^2 /NDF: 0.0/0

3567.765 $\pm$ 1.002 χ^2 /NDF: 1950057.2/17

3485.054 $\pm$ 0.689 χ^2 /NDF: 4157009.1/38

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: 209.113+/-1626.160 χ^2/NDF : 0.0/0

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

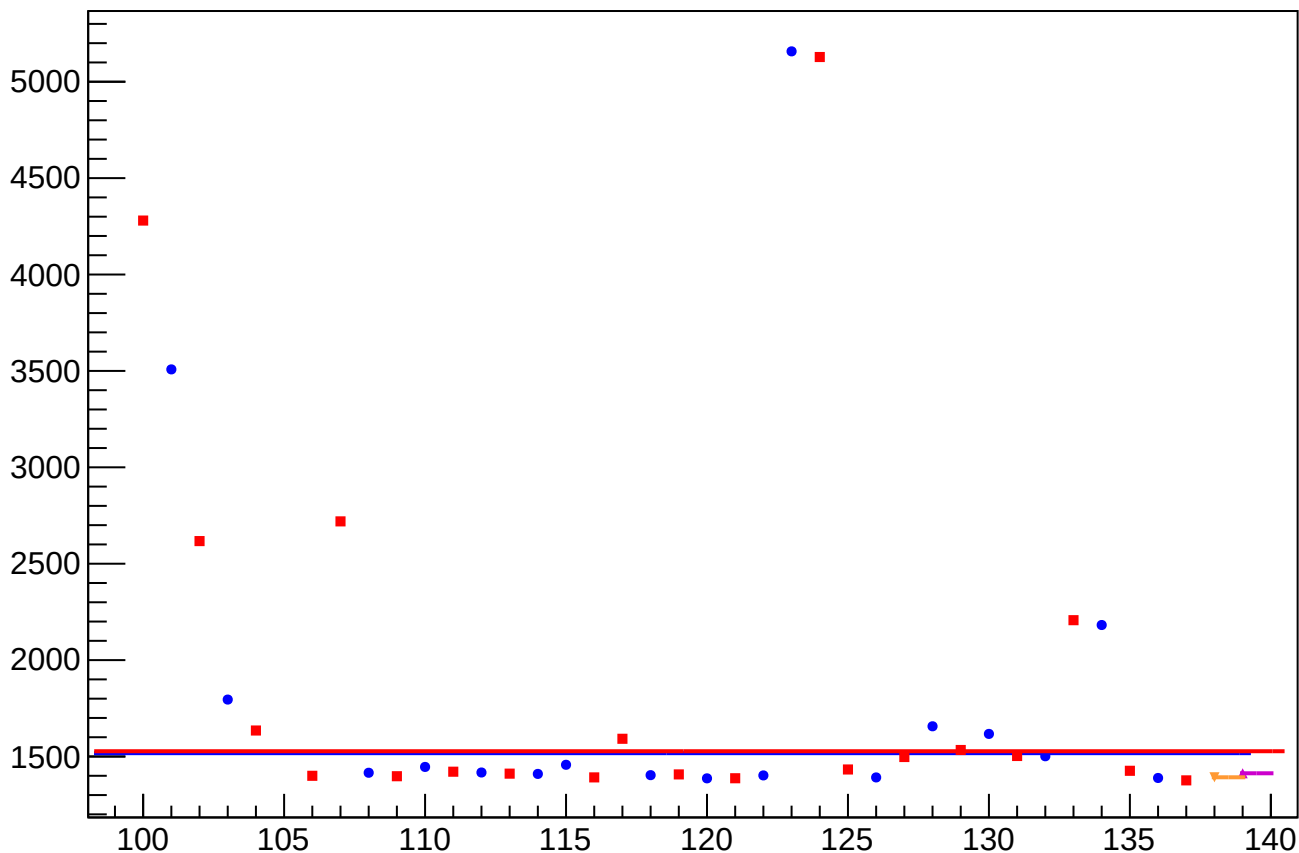
Left In: -3740.923+/-1664.560 χ^2/NDF : 0.0/0

-652.419+/-565.949 χ^2/NDF : 13.6/17

-947.047+/-397.671 χ^2/NDF : 30.7/38

-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: 1392.205+/-1.150 χ^2/NDF : 0.0/0

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

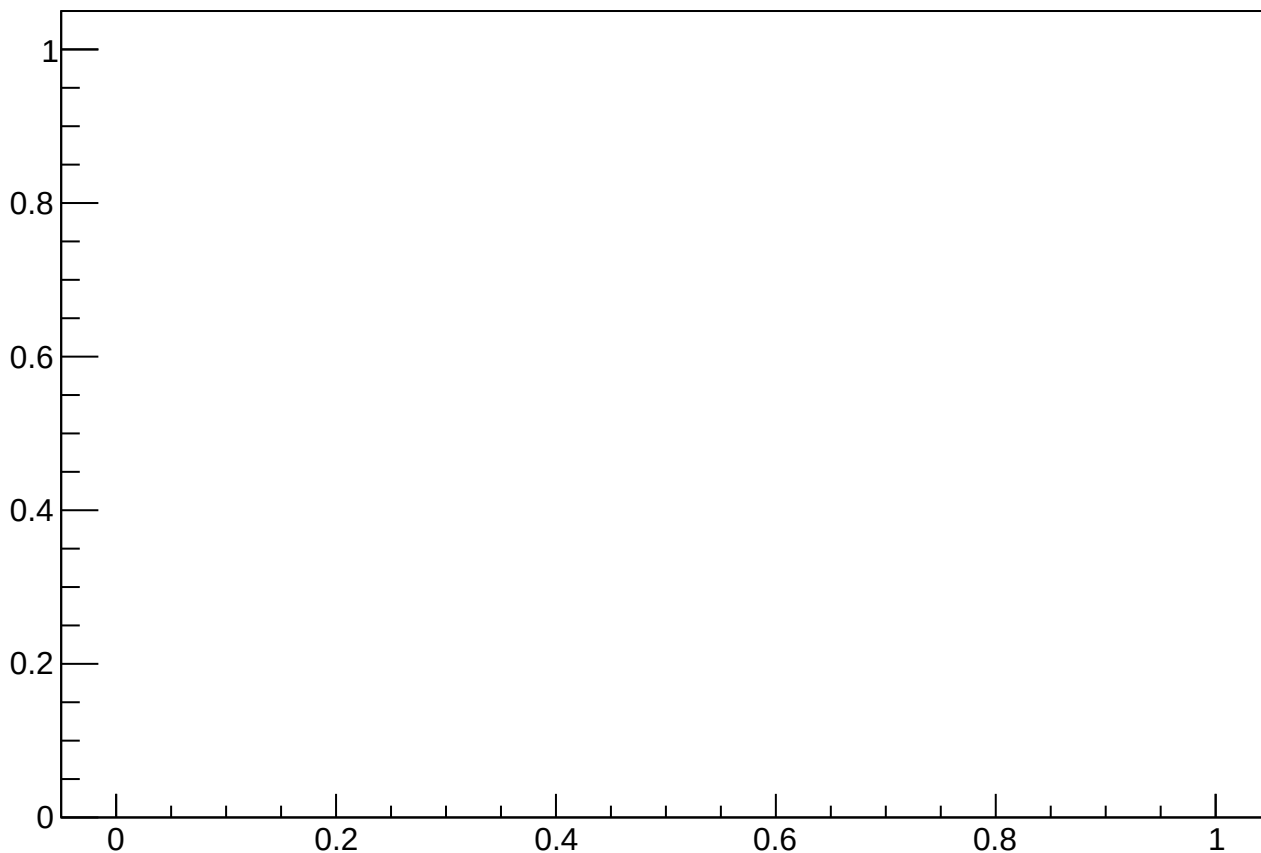
Left In: 1413.000+/-1.177 χ^2/NDF : 0.0/0

1502.178+/-0.400 χ^2/NDF : 547070.3/17

1508.408+/-0.281 χ^2/NDF : 1187748.3/38

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

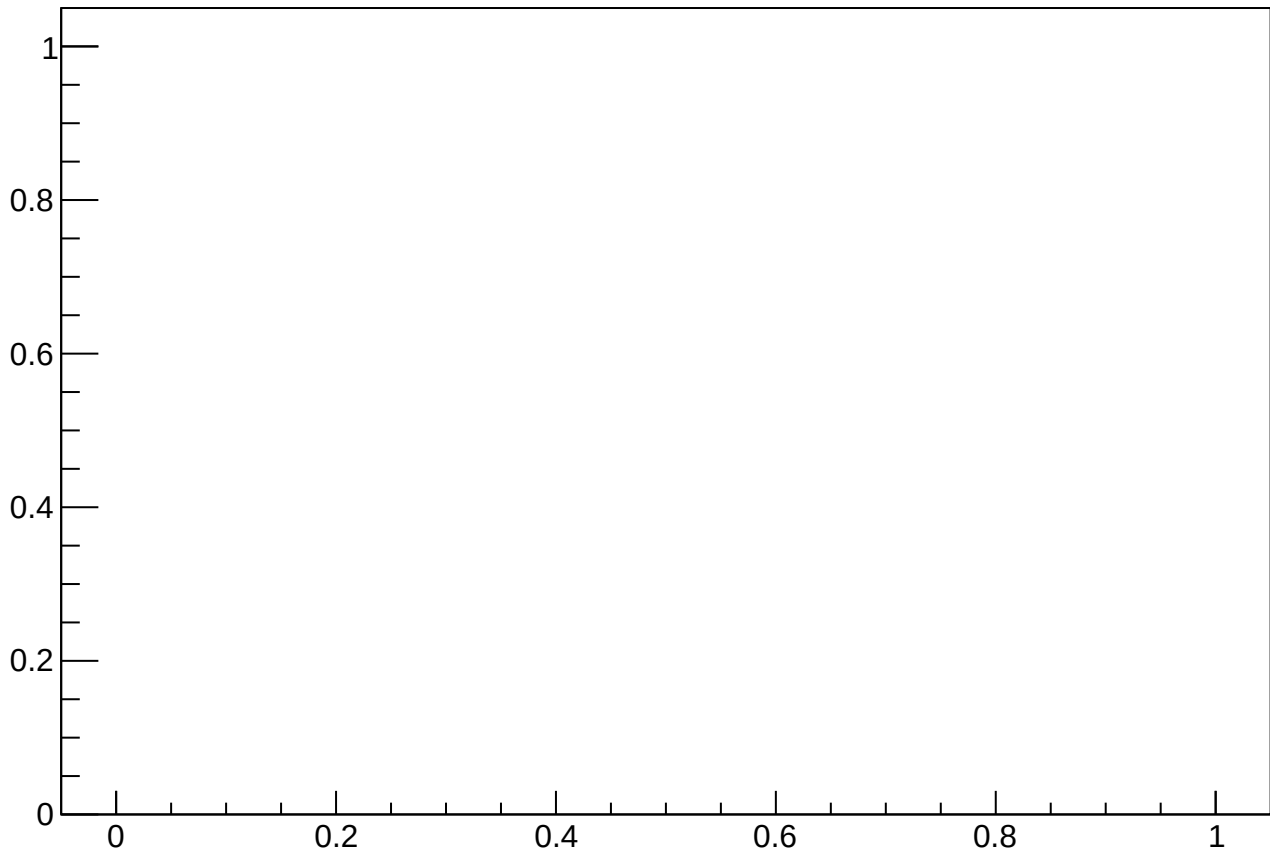
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

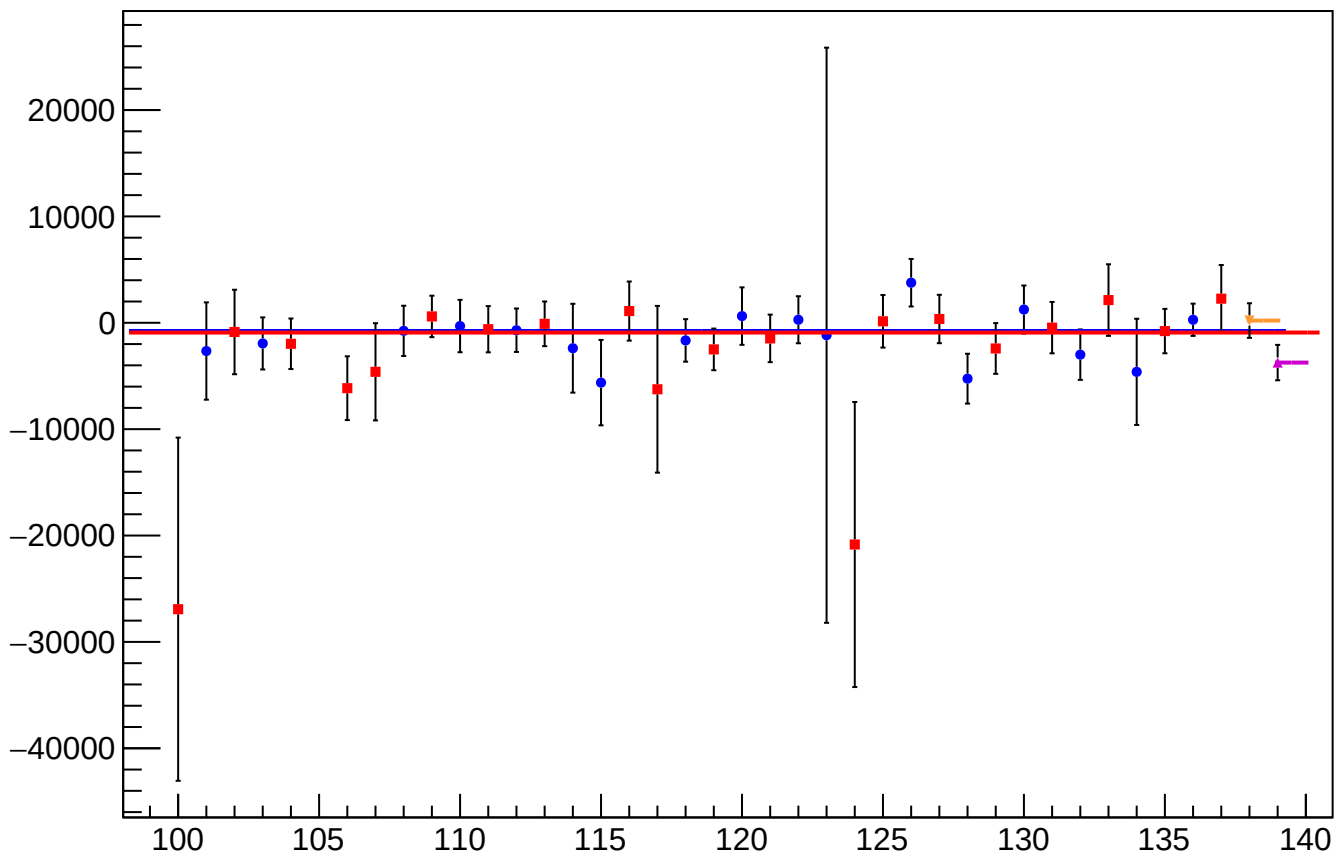
asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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: 209.113+/-1626.160 χ^2/NDF : 0.0/0

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

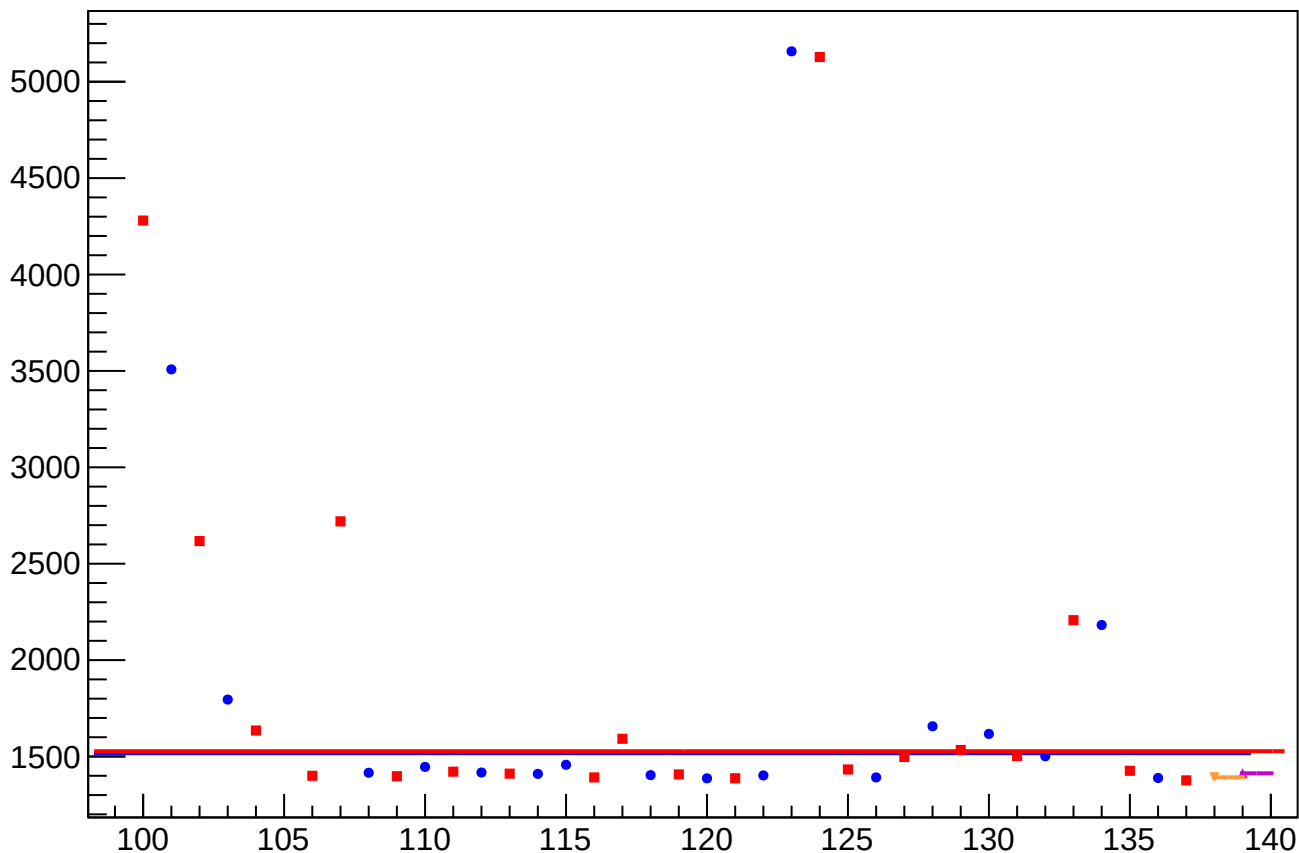
Left In: -3740.923+/-1664.560 χ^2/NDF : 0.0/0

-652.419+/-565.949 χ^2/NDF : 13.6/17

-947.047+/-397.671 χ^2/NDF : 30.7/38

-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: 1392.205+/-1.150 χ^2/NDF : 0.0/0

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

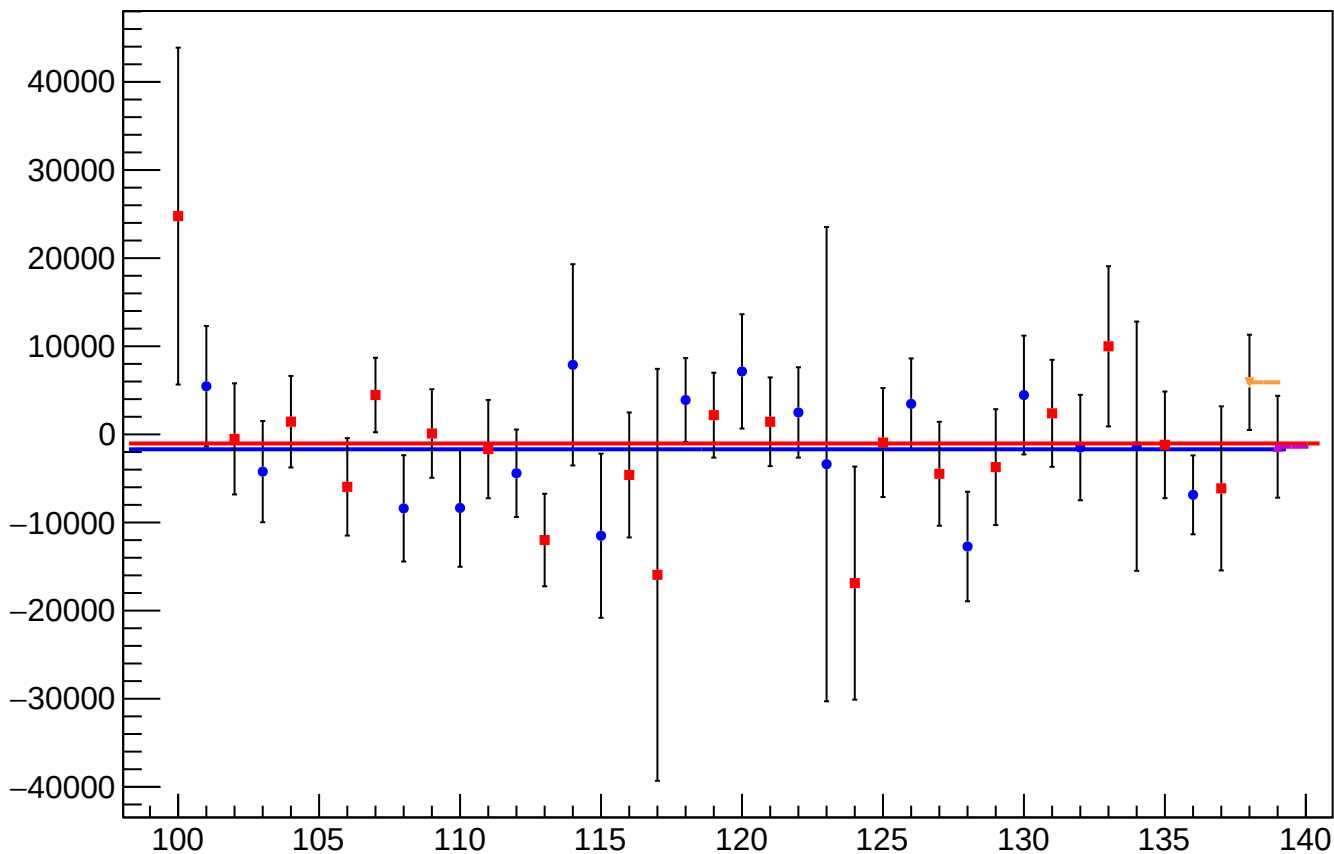
Left In: 1413.000+/-1.177 χ^2/NDF : 0.0/0

1502.178+/-0.400 χ^2/NDF : 547070.3/17

1508.408+/-0.281 χ^2/NDF : 1187748.3/38

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: 5908.892 $\pm$ 5405.439 χ^2 /NDF:0.0/0

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

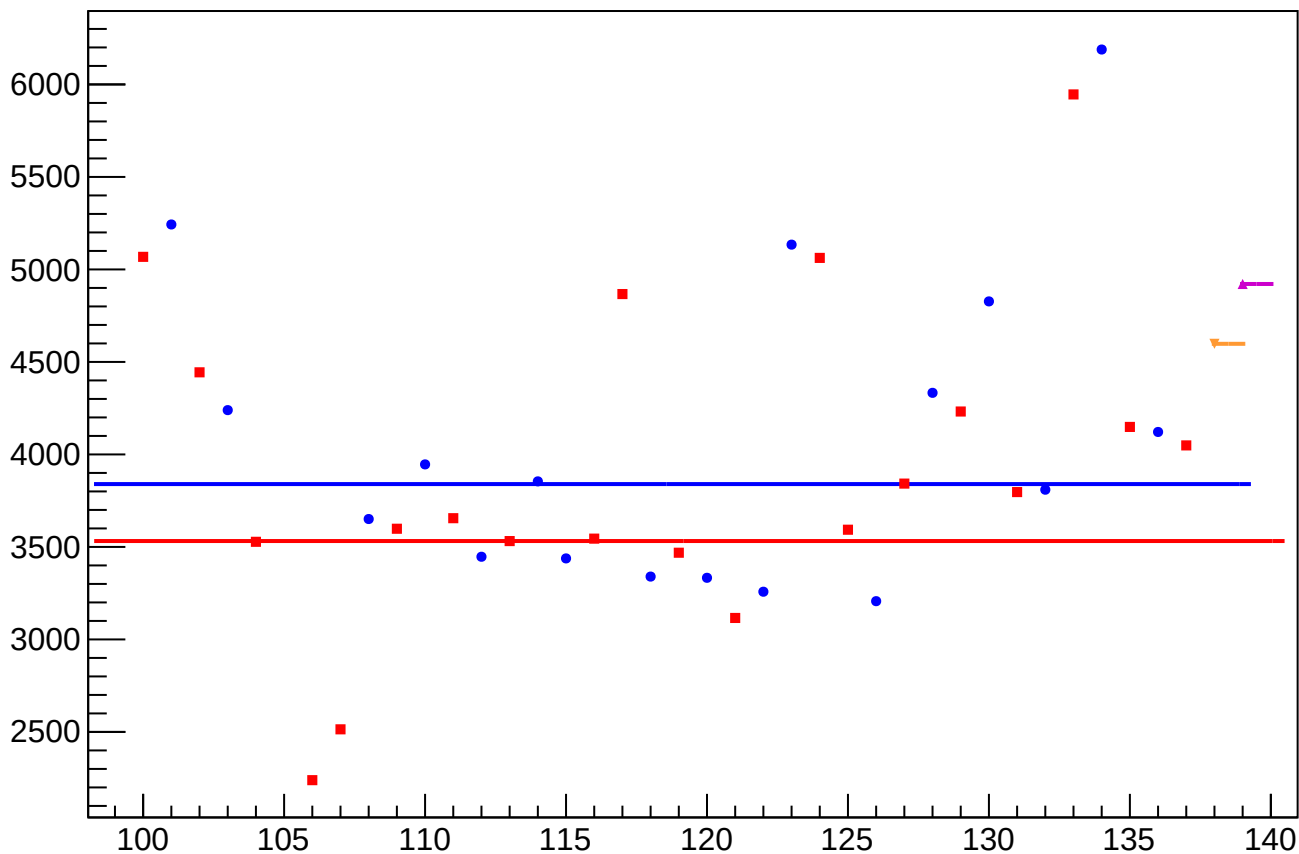
Left In: -1406.211 $\pm$ 5780.732 χ^2 /NDF:0.0/0

-1140.370 $\pm$ 1456.943 χ^2 /NDF: 17.7/17

-1091.363 $\pm$ 985.897 χ^2 /NDF: 32.0/38

-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: 4597.952+/-3.822 χ^2/NDF : 0.0/0

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

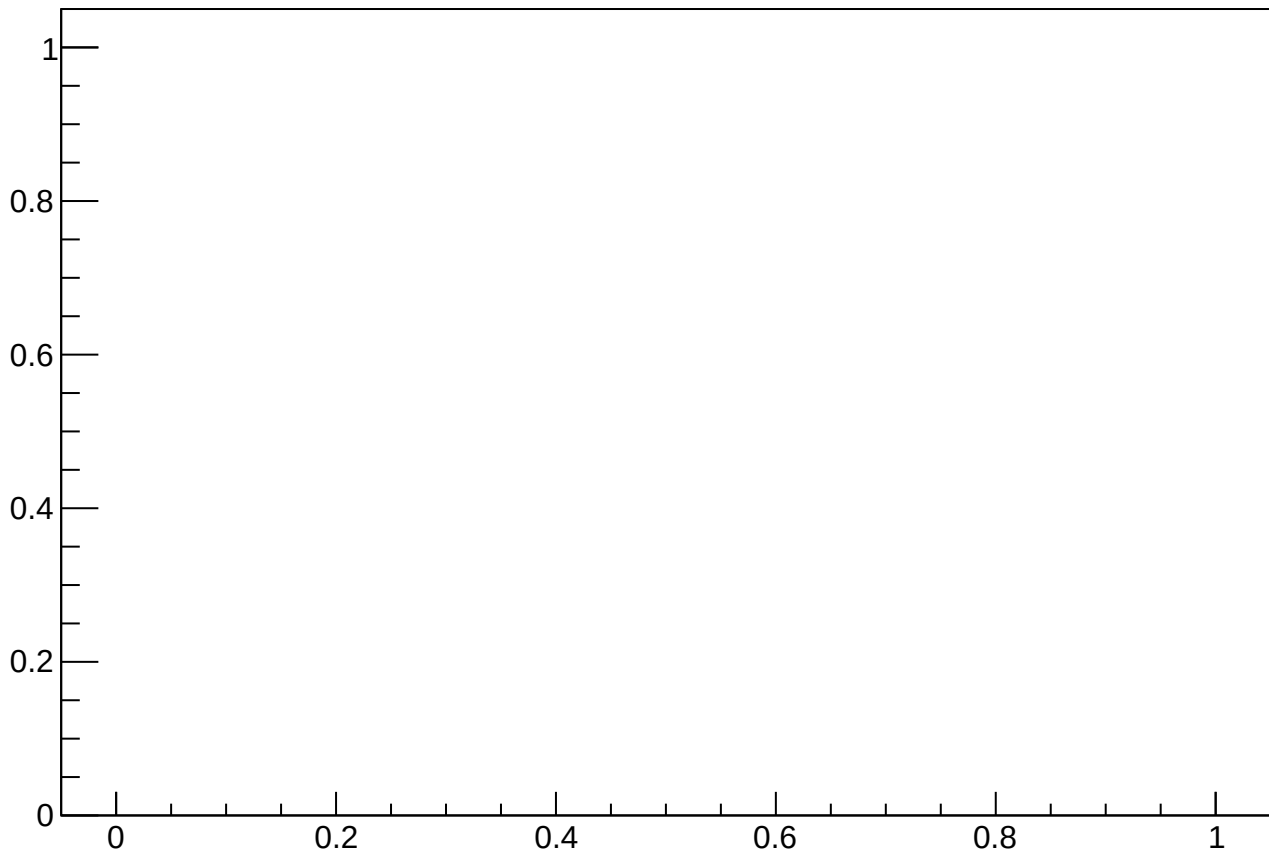
Left In: 4921.374+/-4.088 χ^2/NDF : 0.0/0

3894.830+/-1.030 χ^2/NDF : 362449.9/17

3736.569+/-0.694 χ^2/NDF : 1076434.6/38

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

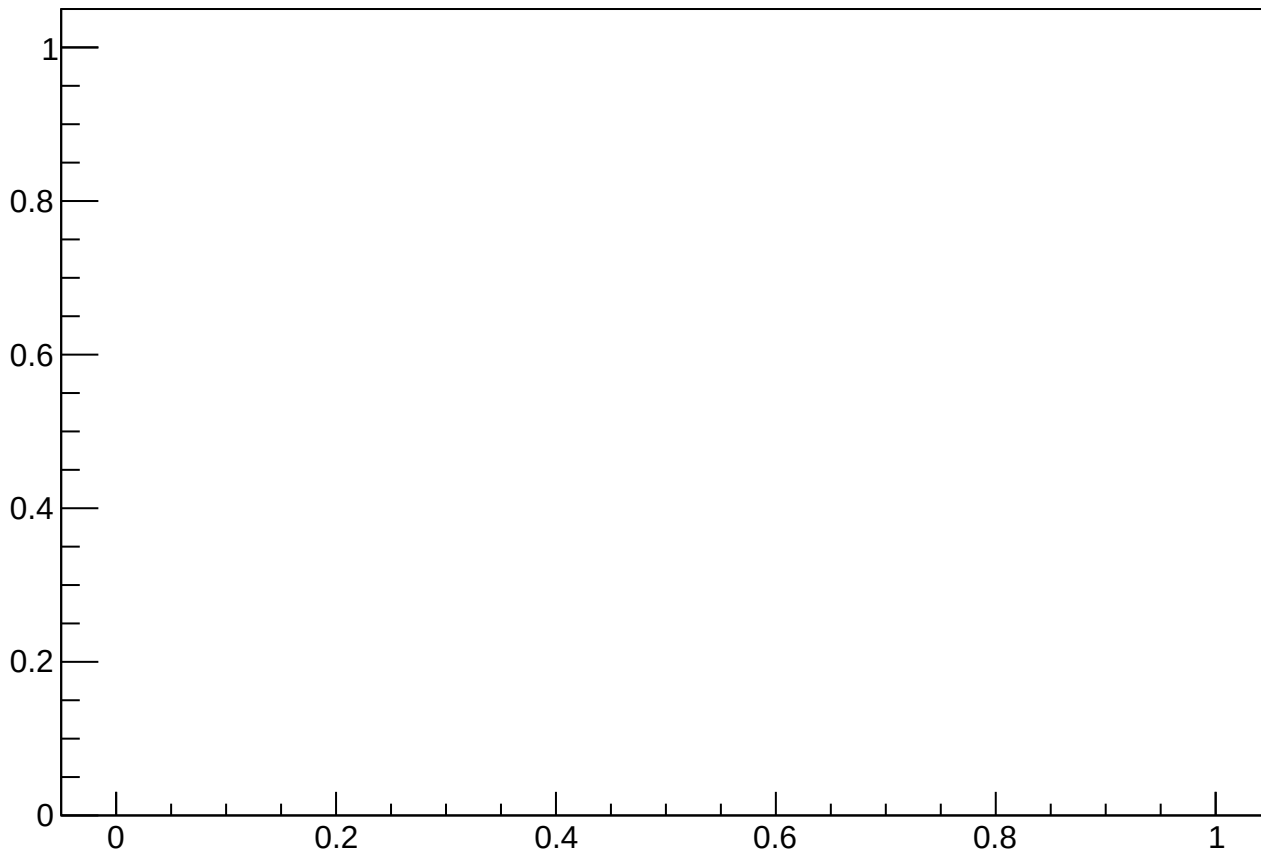
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

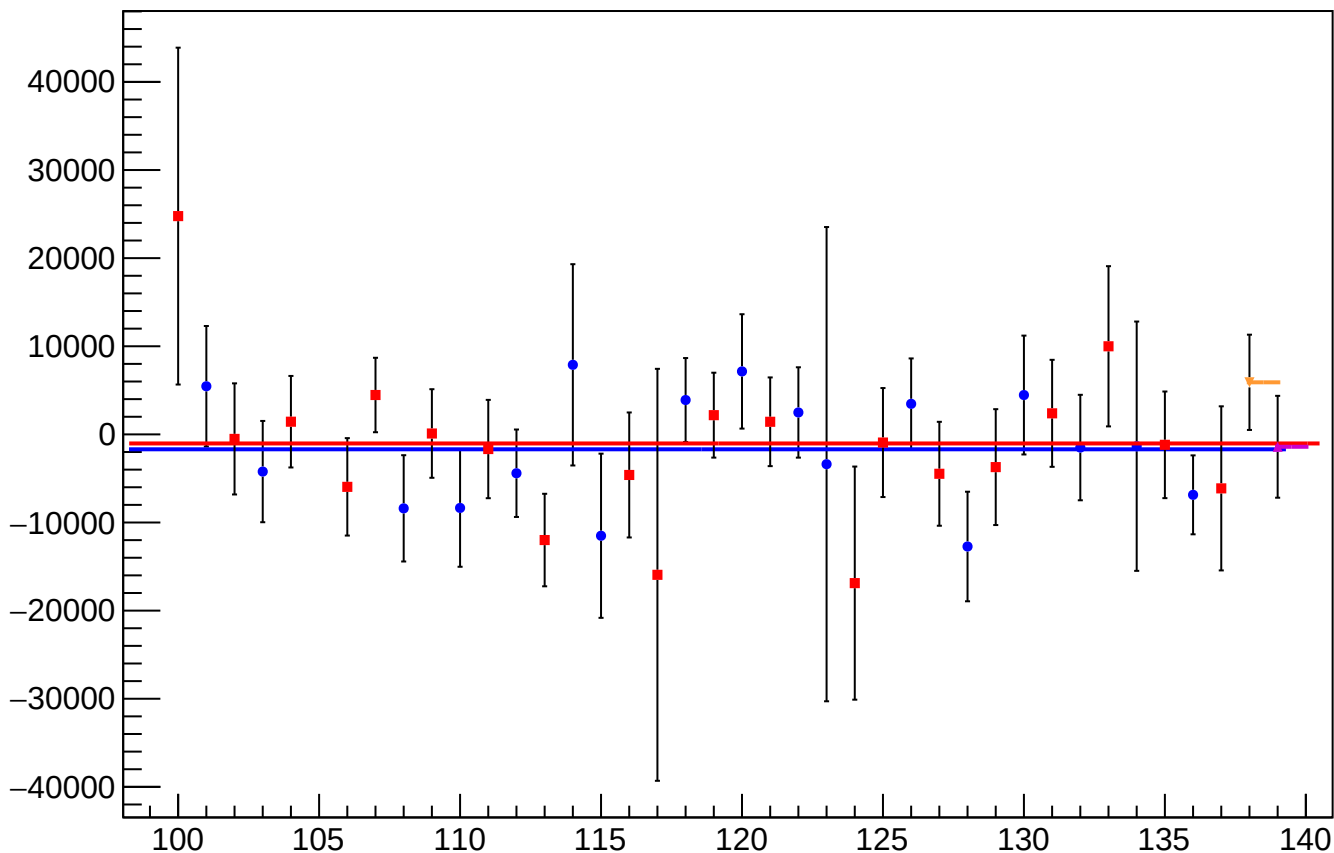
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 5908.892 $\pm$ 5405.439 χ^2 /NDF: 0.0/0

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

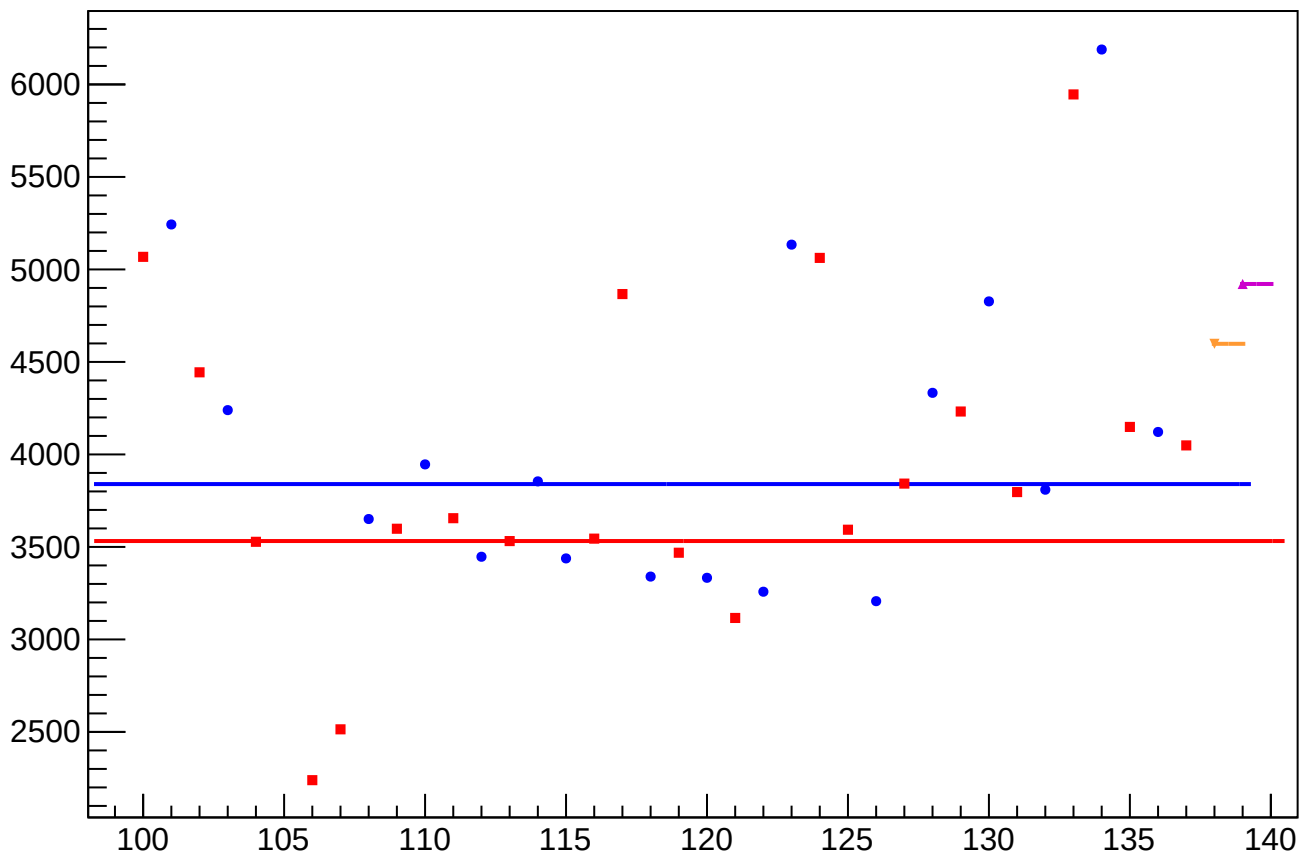
Left In: -1406.211 $\pm$ 5780.732 χ^2 /NDF: 0.0/0

-1140.370 $\pm$ 1456.943 χ^2 /NDF: 17.7/17

-1091.363 $\pm$ 985.897 χ^2 /NDF: 32.0/38

-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: 4597.952+/-3.822 χ^2/NDF : 0.0/0

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

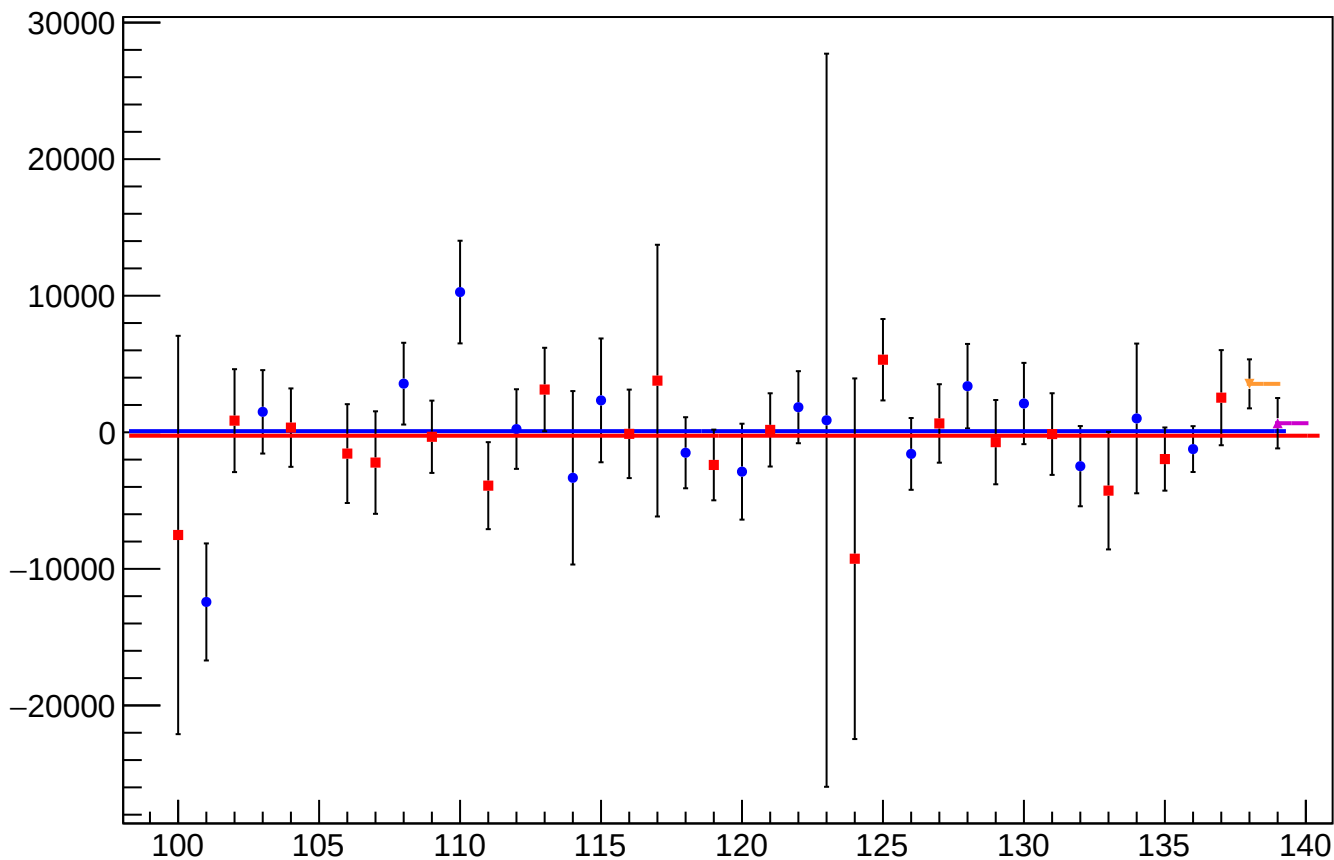
Left In: 4921.374+/-4.088 χ^2/NDF : 0.0/0

3894.830+/-1.030 χ^2/NDF : 362449.9/17

3736.569+/-0.694 χ^2/NDF : 1076434.6/38

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+/-750.549 χ^2/NDF : 22.9/16

Left Out: 3546.604+/-1794.807 χ^2/NDF : 0.0/0

Right Out: -250.743+/-732.124 χ^2/NDF : 10.3/19

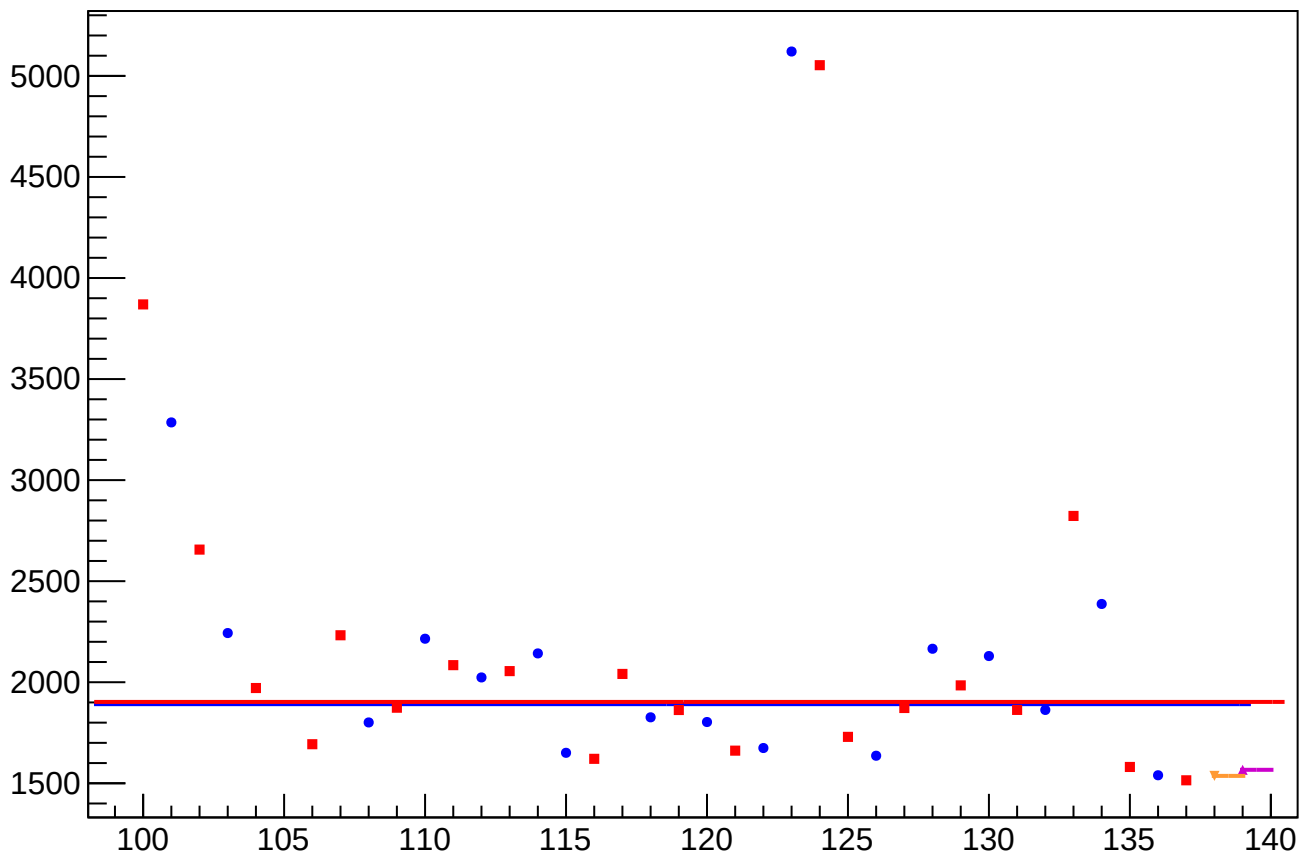
Left In: 664.634+/-1844.293 χ^2/NDF : 0.0/0

599.269+/-692.442 χ^2/NDF : 26.1/17

230.243+/-485.342 χ^2/NDF : 37.2/38

-126.132+/-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: 1536.560+/-1.269 χ^2/NDF : 0.0/0

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

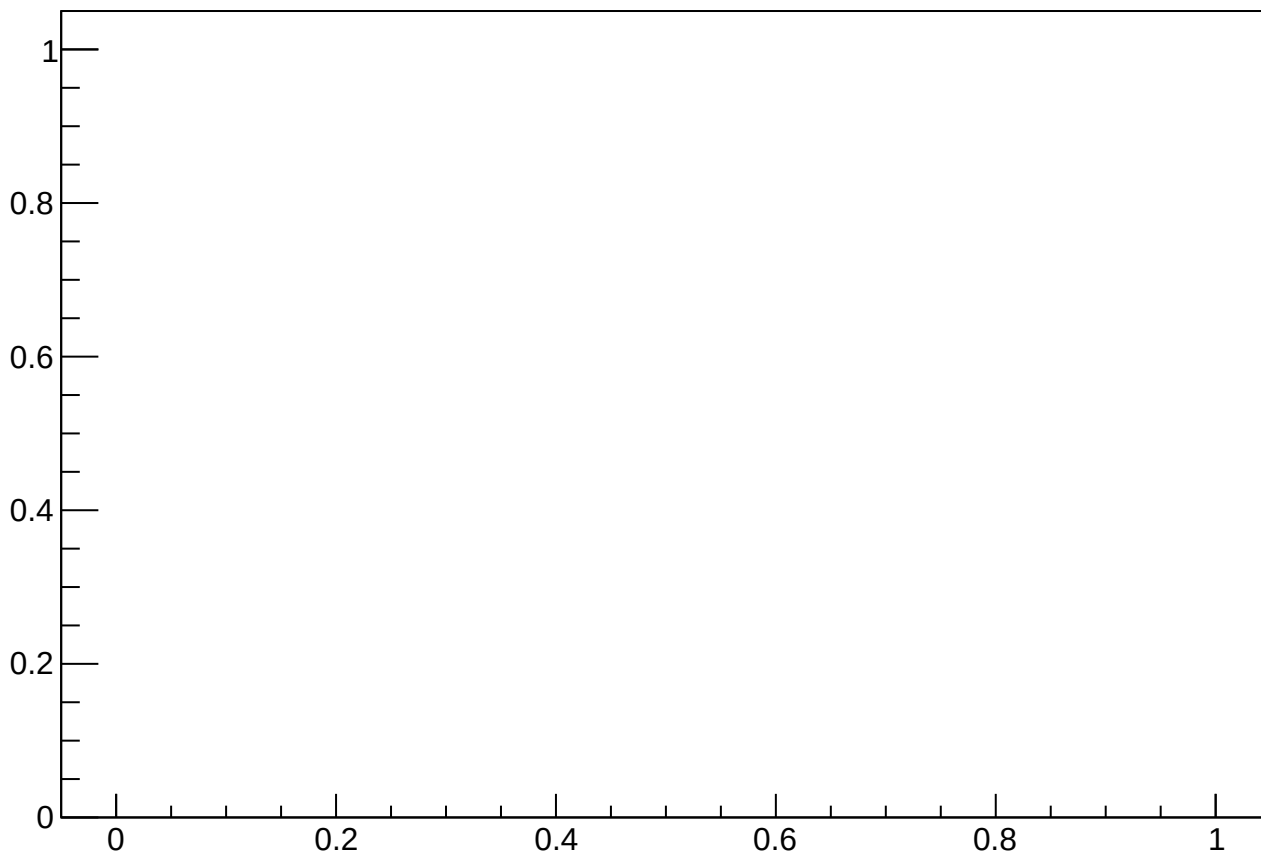
Left In: 1566.640+/-1.304 χ^2/NDF : 0.0/0

1838.663+/-0.490 χ^2/NDF : 531069.9/17

1847.902+/-0.343 χ^2/NDF : 1050162.1/38

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

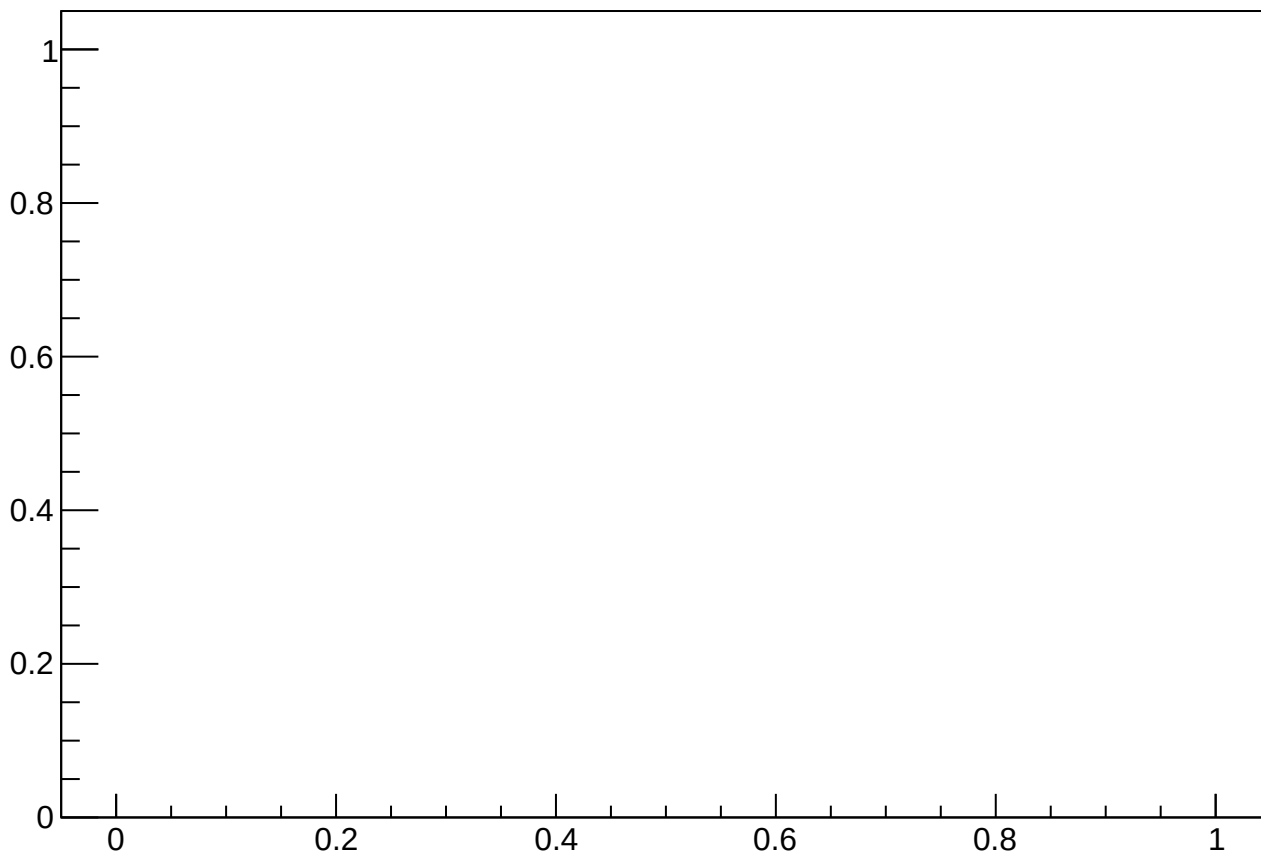
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

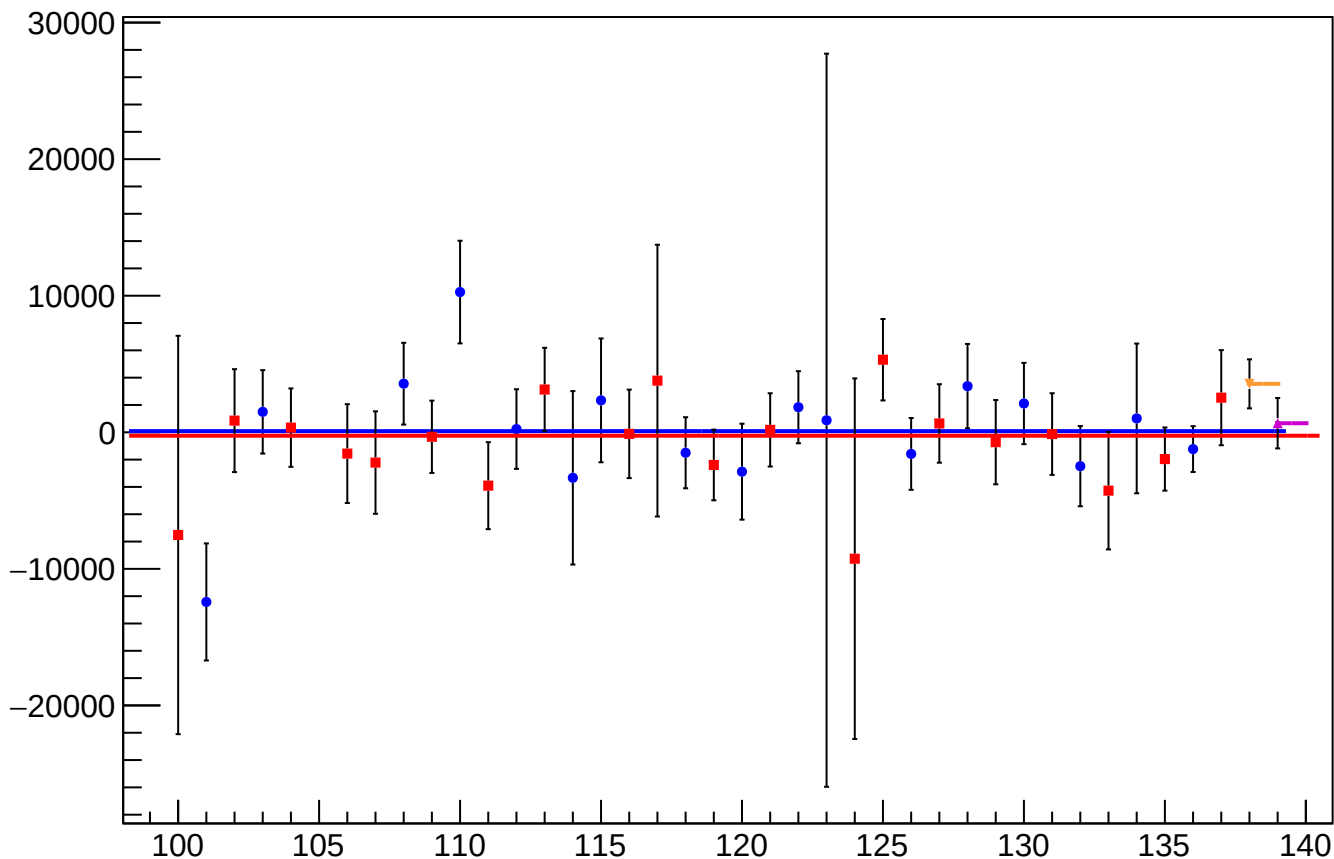
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: 3546.604 $\pm$ 1794.807 χ^2 /NDF: 0.0/0

Right Out: -250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

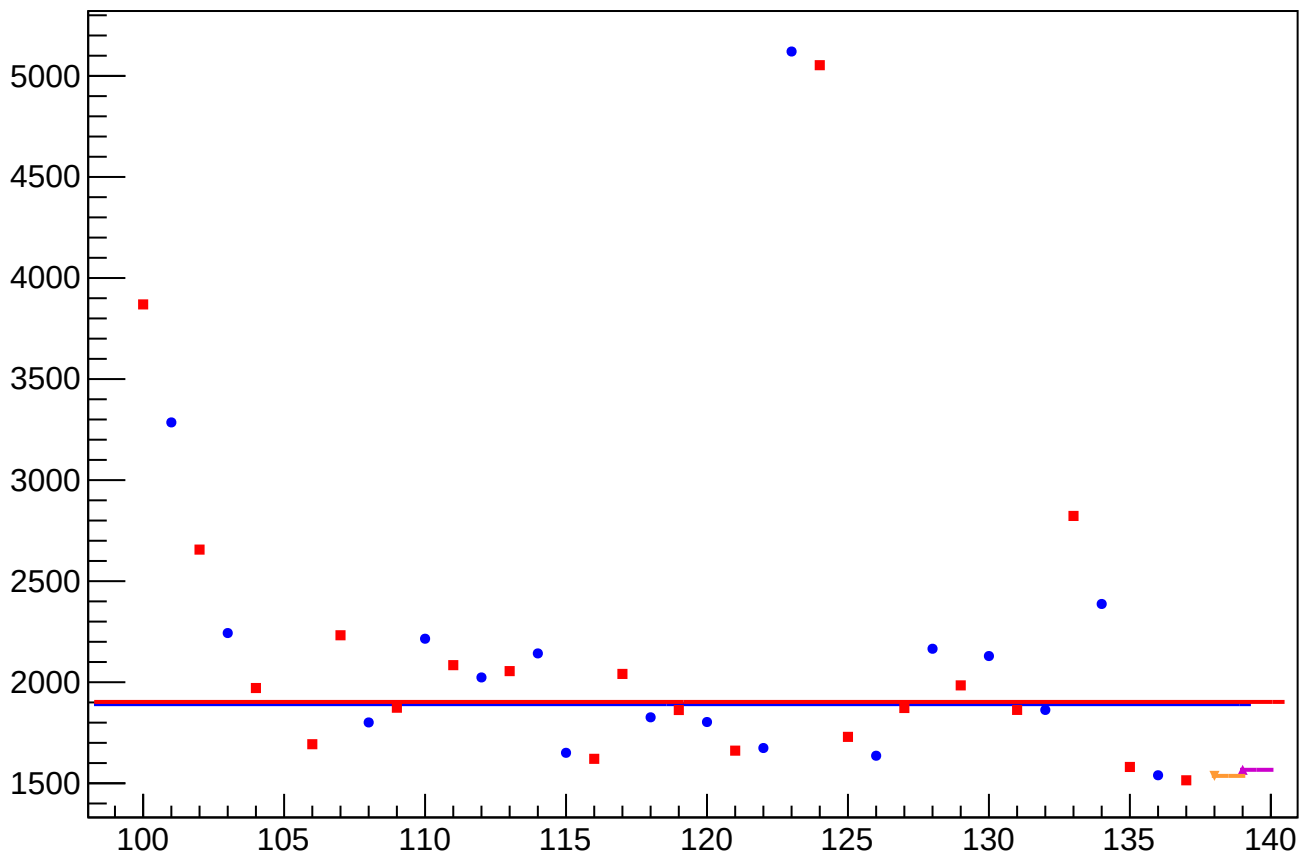
Left In: 664.634 $\pm$ 1844.293 χ^2 /NDF: 0.0/0

599.269 $\pm$ 692.442 χ^2 /NDF: 26.1/17

230.243 $\pm$ 485.342 χ^2 /NDF: 37.2/38

-126.132 $\pm$ 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: 1536.560+/-1.269 χ^2/NDF : 0.0/0

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

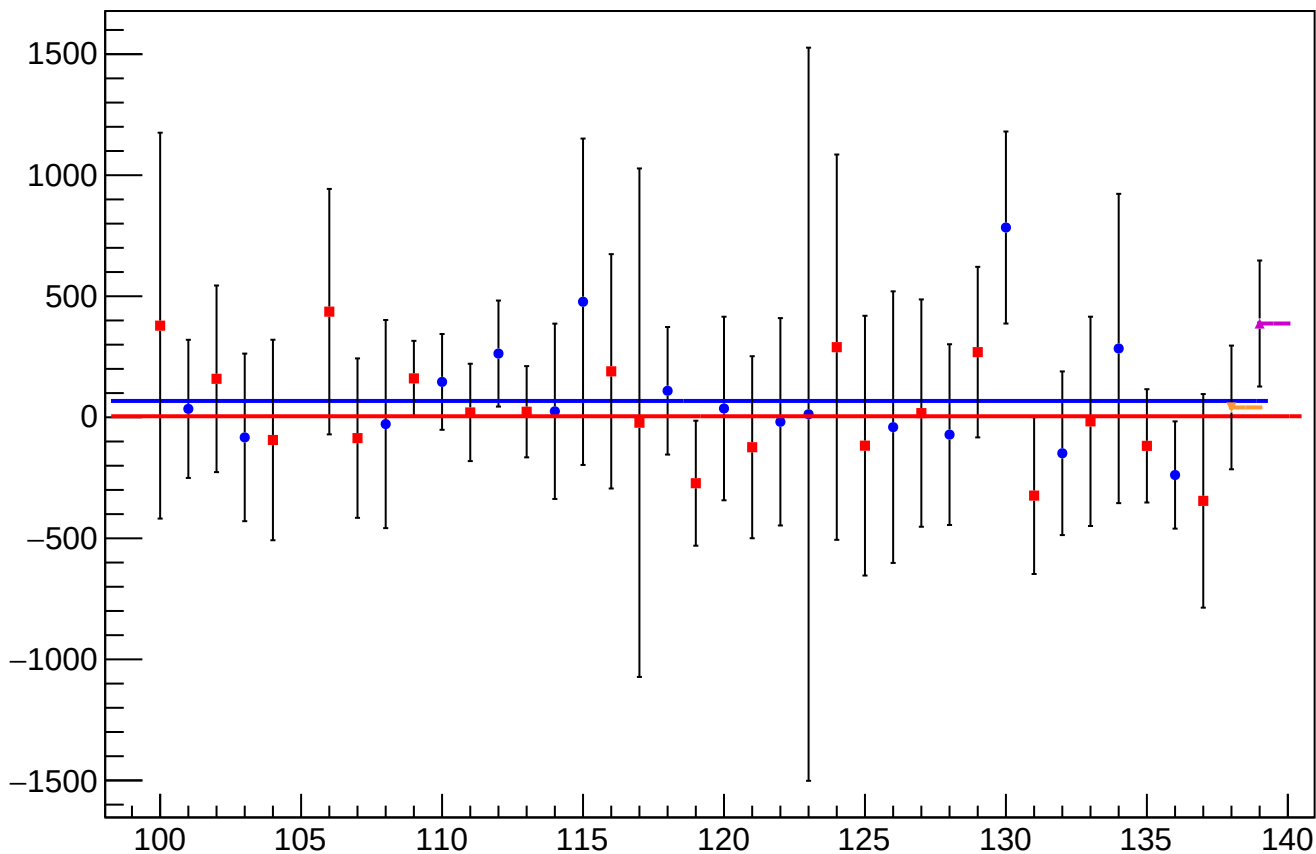
Left In: 1566.640+/-1.304 χ^2/NDF : 0.0/0

1838.663+/-0.490 χ^2/NDF : 531069.9/17

1847.902+/-0.343 χ^2/NDF : 1050162.1/38

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: 40.703 $\pm$ 255.487 χ^2 /NDF: 0.0/0

Right Out: 4.305 $\pm$ 69.854 χ^2 /NDF: 6.4/19

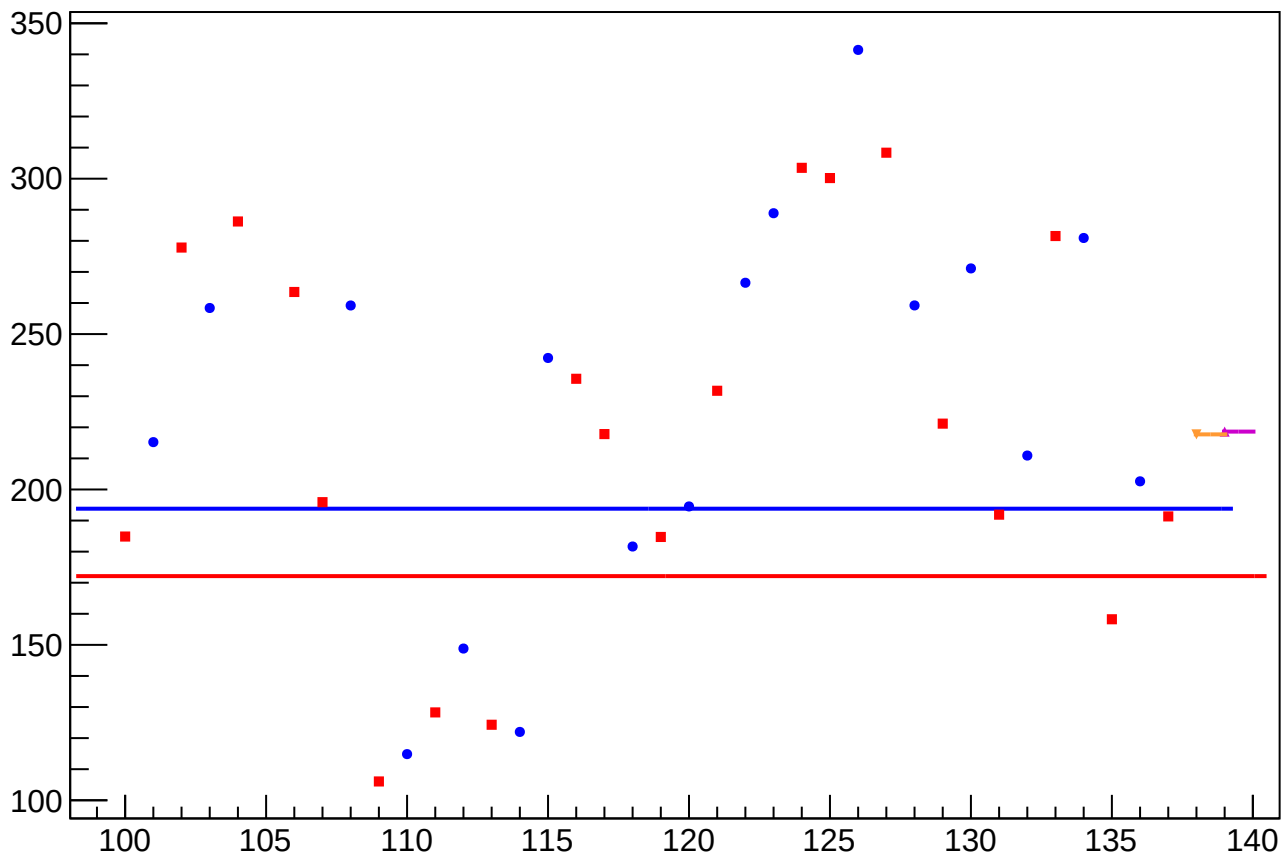
Left In: 387.390 $\pm$ 260.301 χ^2 /NDF: 0.0/0

65.167 $\pm$ 76.004 χ^2 /NDF: 7.5/17

45.520 $\pm$ 50.456 χ^2 /NDF: 16.0/38

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 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 217.729 $\pm$ 0.181 χ^2 /NDF: 0.0/0

Right Out: 172.123 $\pm$ 0.049 χ^2 /NDF: 1580879.9/19

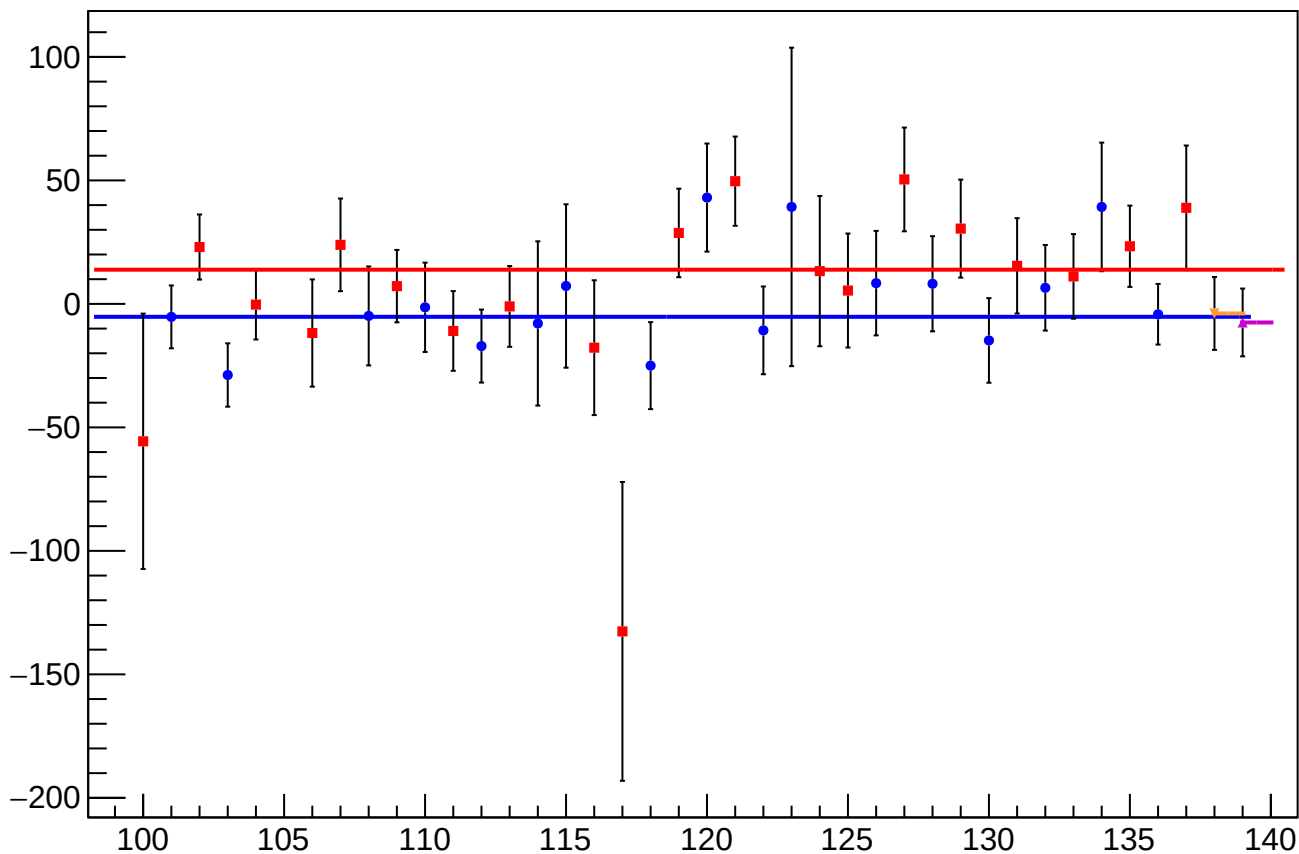
Left In: 218.620 $\pm$ 0.184 χ^2 /NDF: 0.0/0

195.932 $\pm$ 0.054 χ^2 /NDF: 1026297.5/17

184.363 $\pm$ 0.036 χ^2 /NDF: 2749558.5/38

175.247 $\pm$ 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: -3.868 ± 14.749 χ^2/NDF : 0.0/0

Right Out: 13.851 ± 4.255 χ^2/NDF : 25.4/19

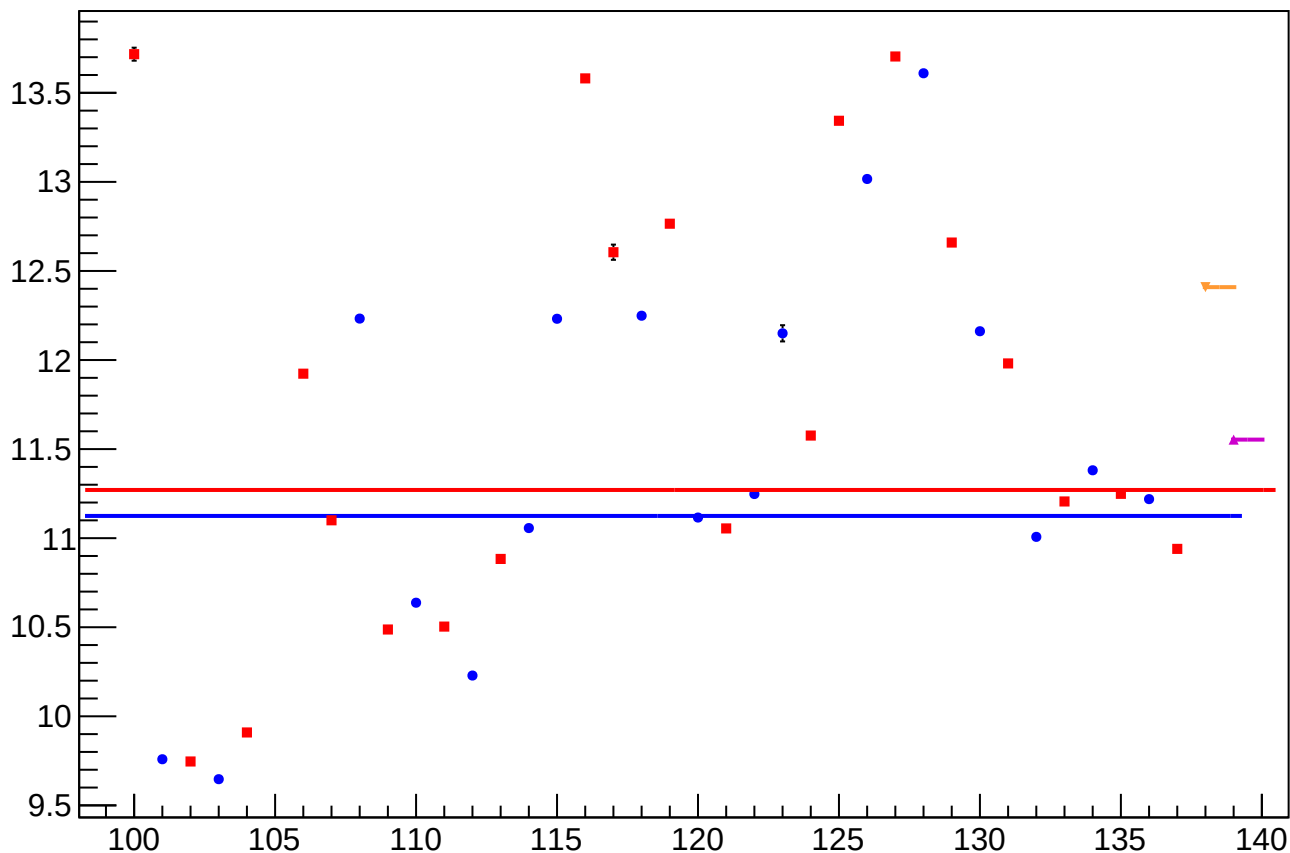
Left In: -7.523 ± 13.730 χ^2/NDF : 0.0/0

-5.121 ± 4.177 χ^2/NDF : 15.5/17

3.664 ± 2.913 χ^2/NDF : 51.7/38

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: 12.409 $\pm$ 0.010 χ^2 /NDF: 0.0/0

Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

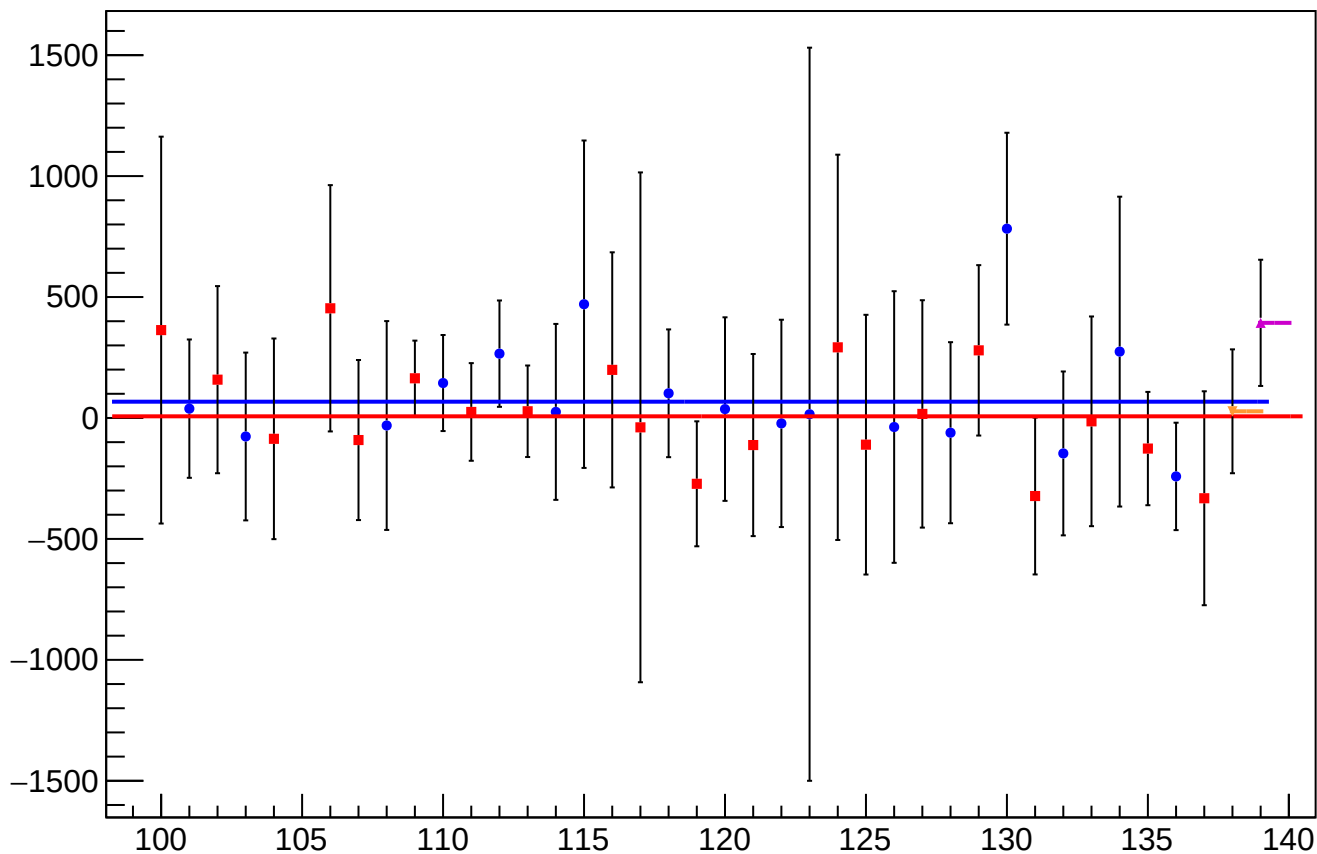
Left In: 11.553 $\pm$ 0.010 χ^2 /NDF: 0.0/0

11.228 $\pm$ 0.003 χ^2 /NDF: 146469.2/17

11.263 $\pm$ 0.002 χ^2 /NDF: 296222.3/38

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+/-79.817 χ^2/NDF : 7.5/16

Left Out: 27.590+/-256.065 χ^2/NDF : 0.0/0

Right Out: 6.837+/-70.057 χ^2/NDF : 6.4/19

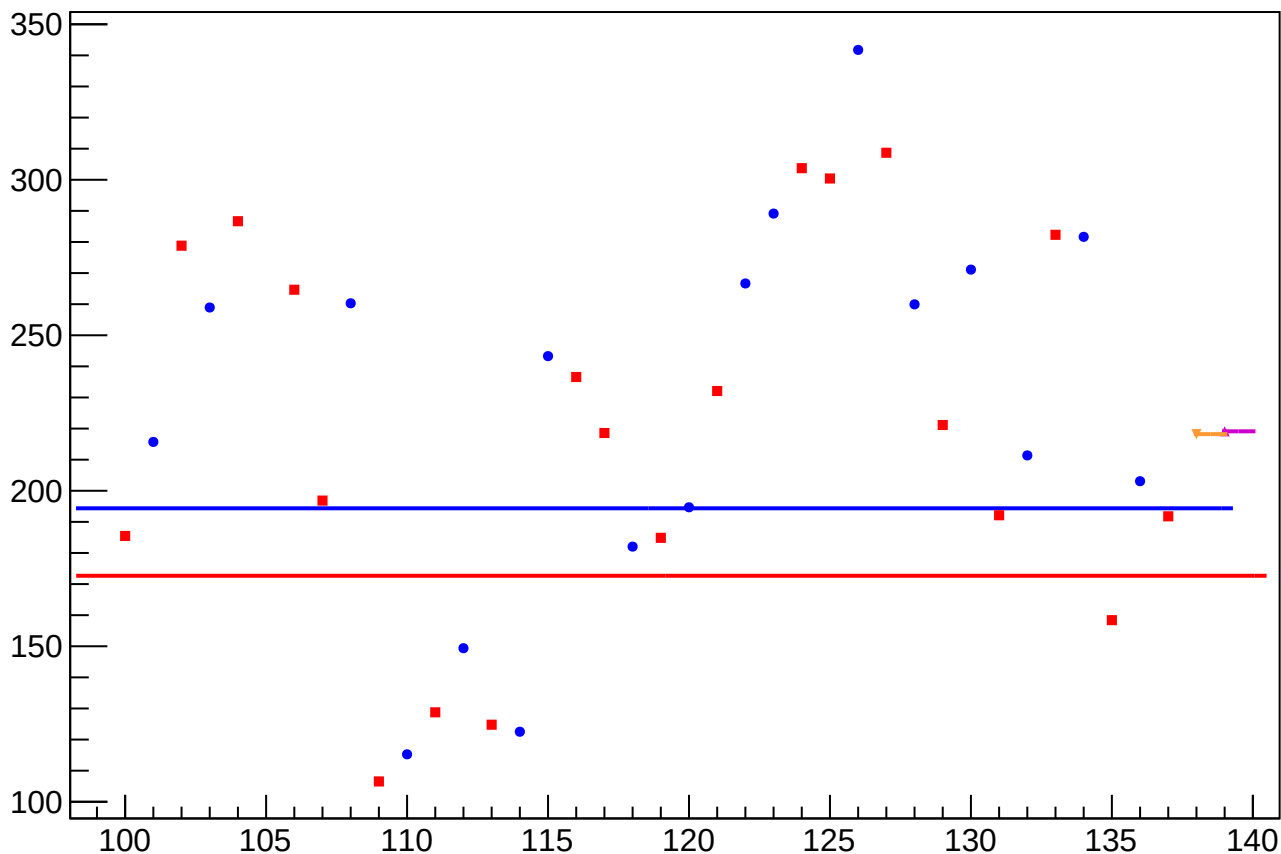
Left In: 393.261+/-260.895 χ^2/NDF : 0.0/0

63.788+/-76.201 χ^2/NDF : 7.5/17

46.475+/-50.594 χ^2/NDF : 16.1/38

32.826+/-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 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 218.220 $\pm$ 0.181 χ^2 /NDF: 0.0/0

Right Out: 172.675 $\pm$ 0.050 χ^2 /NDF: 1573459.1/19

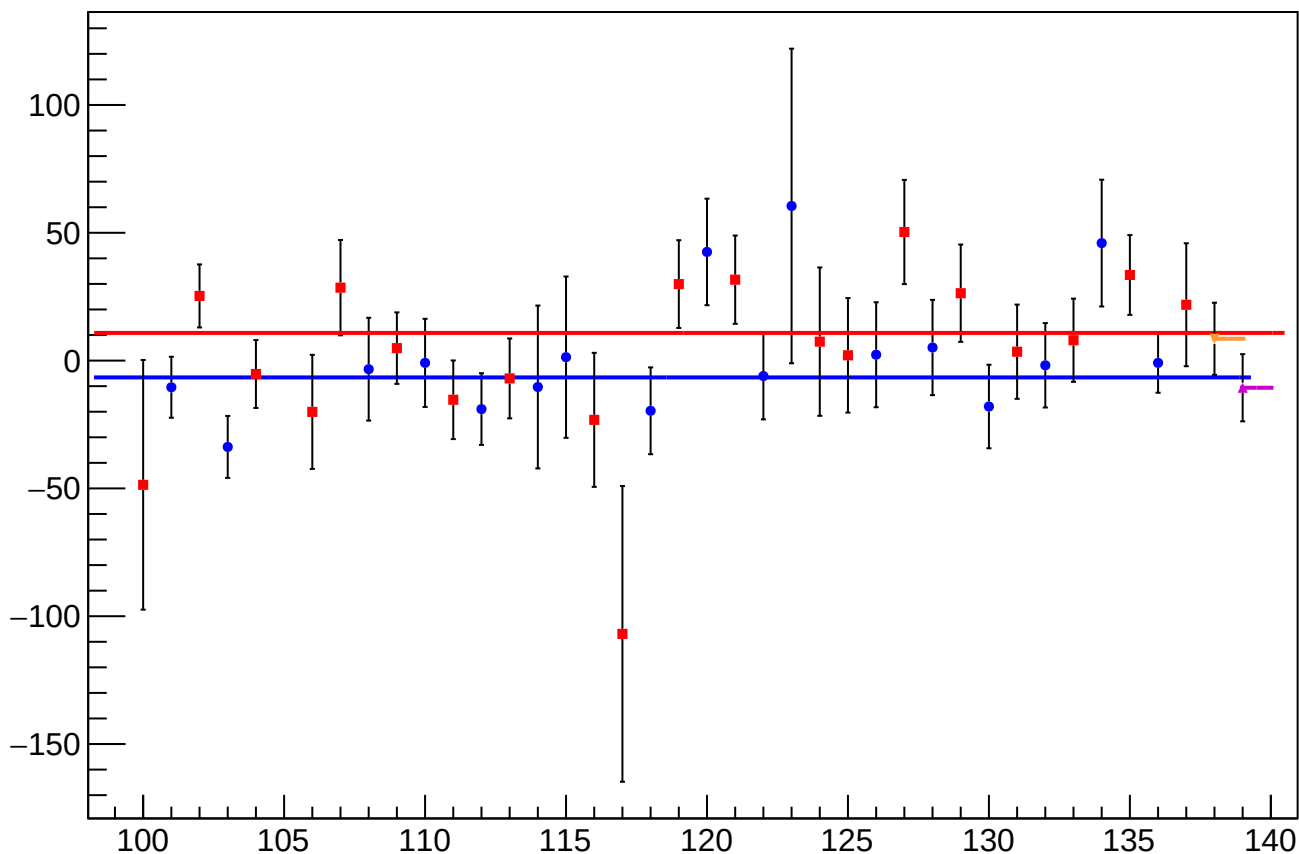
Left In: 219.118 $\pm$ 0.184 χ^2 /NDF: 0.0/0

196.478 $\pm$ 0.054 χ^2 /NDF: 1021054.6/17

184.915 $\pm$ 0.036 χ^2 /NDF: 2735986.6/38

175.799 $\pm$ 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: 8.540+/-14.113 χ^2/NDF : 0.0/0

Right Out: 10.838+/-4.070 χ^2/NDF : 27.1/19

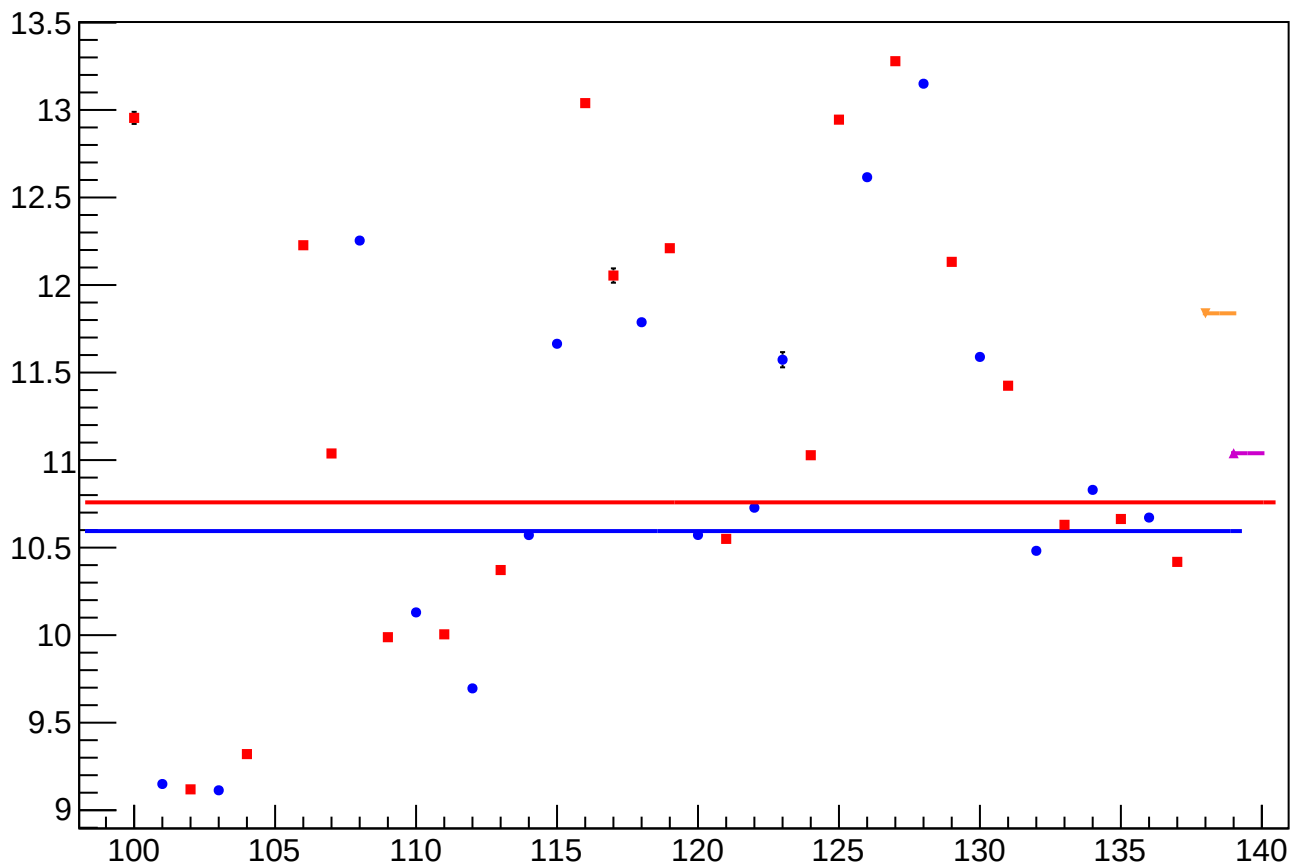
Left In: -10.617+/-13.145 χ^2/NDF : 0.0/0

-5.369+/-3.988 χ^2/NDF : 20.4/17

1.978+/-2.784 χ^2/NDF : 56.6/38

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: 11.838 $\pm$ 0.010 χ^2 /NDF:0.0/0

Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 178180.9/19

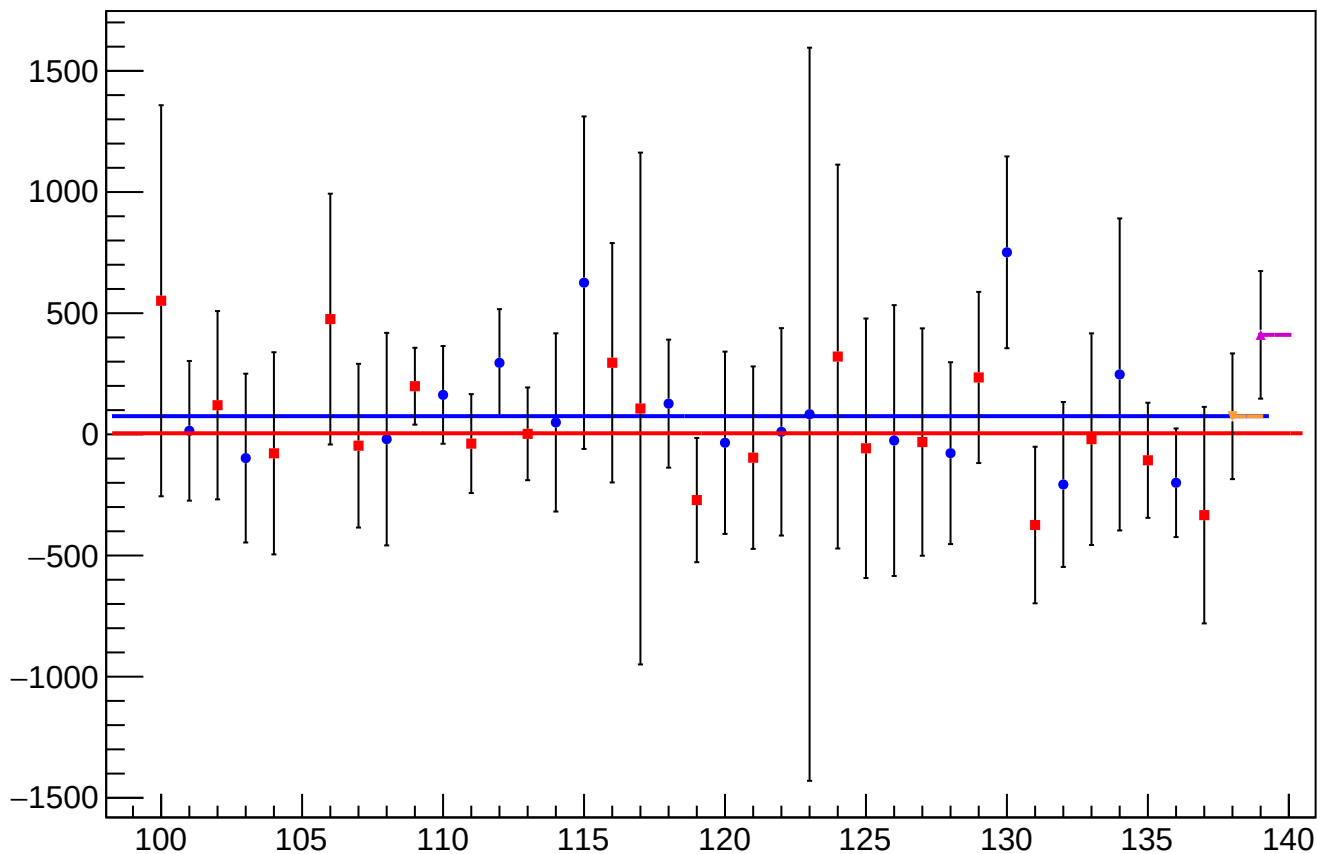
Left In: 11.039 $\pm$ 0.009 χ^2 /NDF:0.0/0

10.694 $\pm$ 0.003 χ^2 /NDF: 174354.6/17

10.740 $\pm$ 0.002 χ^2 /NDF: 353881.1/38

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: 74.574 $\pm$ 259.348 χ^2 /NDF:0.0/0

Right Out: 4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

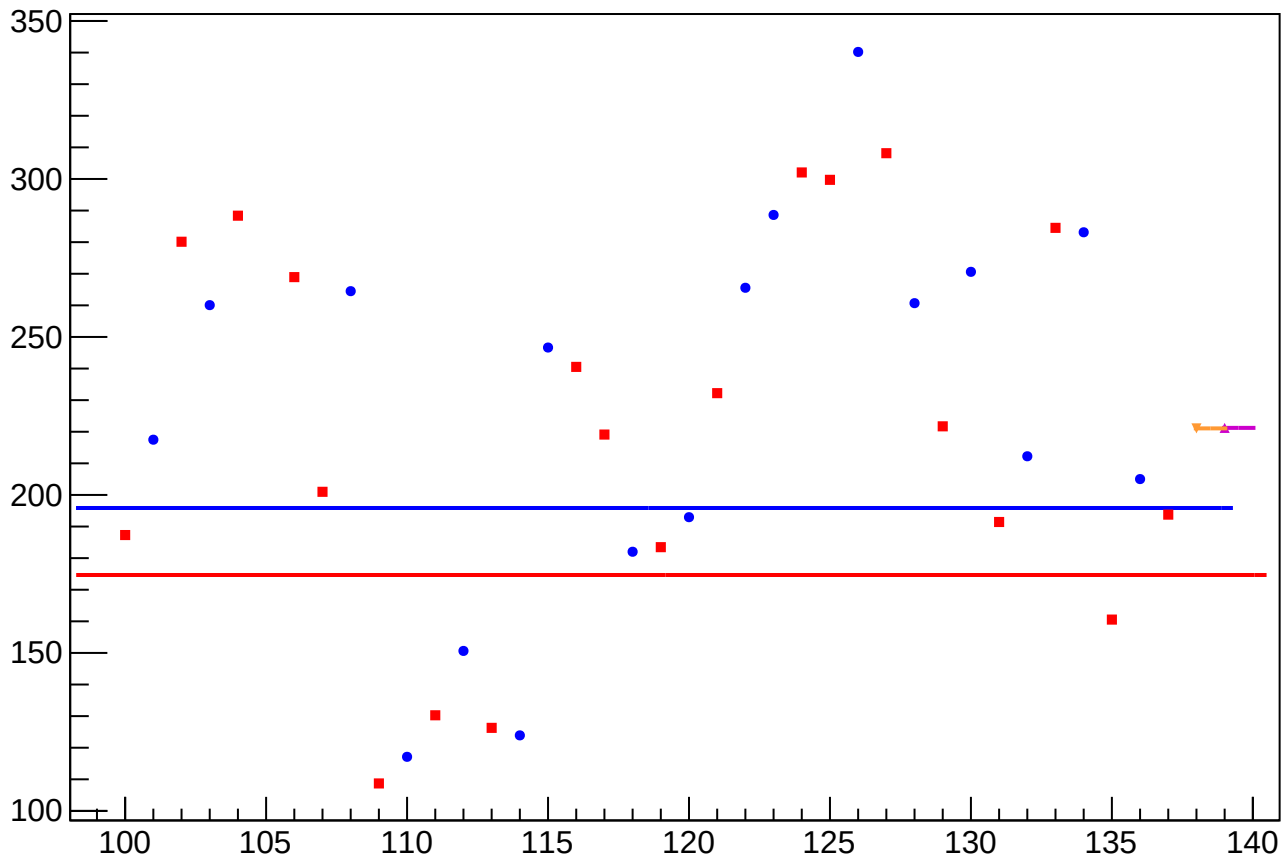
Left In: 410.643 $\pm$ 263.367 χ^2 /NDF:0.0/0

75.041 $\pm$ 76.752 χ^2 /NDF: 7.7/17

50.899 $\pm$ 51.025 χ^2 /NDF: 17.4/38

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: 221.062 $\pm$ 0.183 χ^2 /NDF: 0.0/0

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

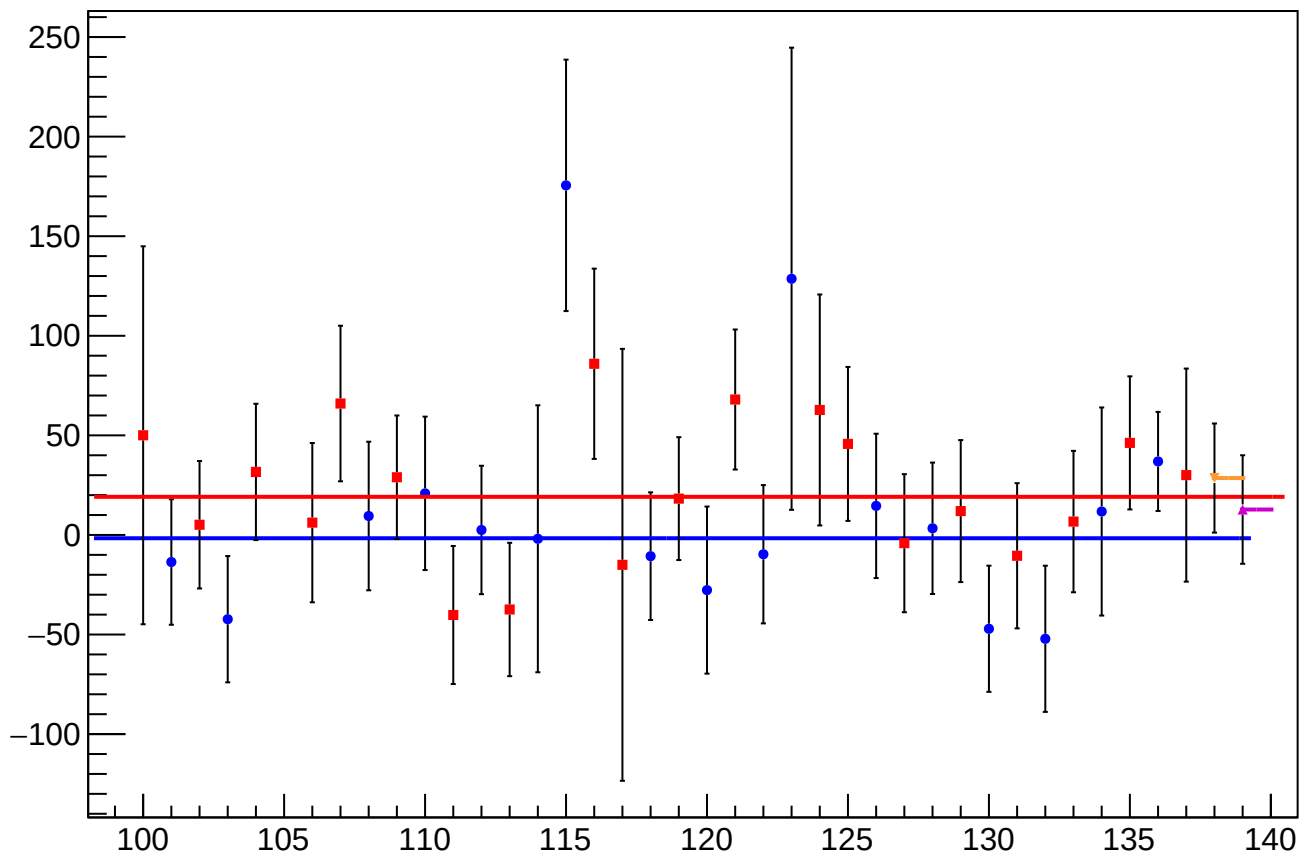
Left In: 221.223 $\pm$ 0.186 χ^2 /NDF: 0.0/0

198.075 $\pm$ 0.054 χ^2 /NDF: 996466.8/17

186.759 $\pm$ 0.036 χ^2 /NDF: 2665008.1/38

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: 28.570 ± 27.391 χ^2/NDF : 0.0/0

Right Out: 19.145 ± 8.529 χ^2/NDF : 14.9/19

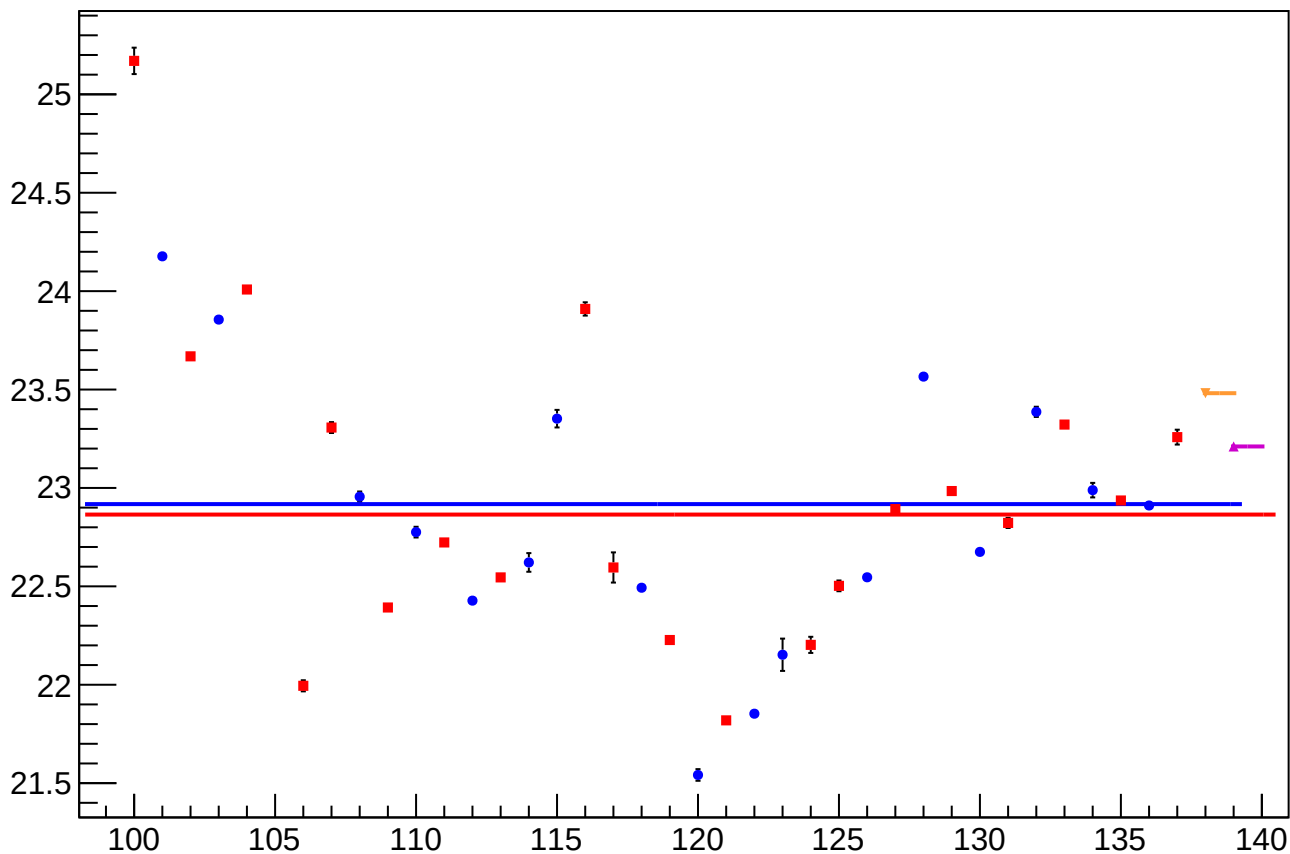
Left In: 12.764 ± 27.247 χ^2/NDF : 0.0/0

1.221 ± 8.448 χ^2/NDF : 19.6/17

10.221 ± 5.862 χ^2/NDF : 36.7/38

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: 23.481 $\pm$ 0.019 χ^2 /NDF: 0.0/0

Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11064.9/19

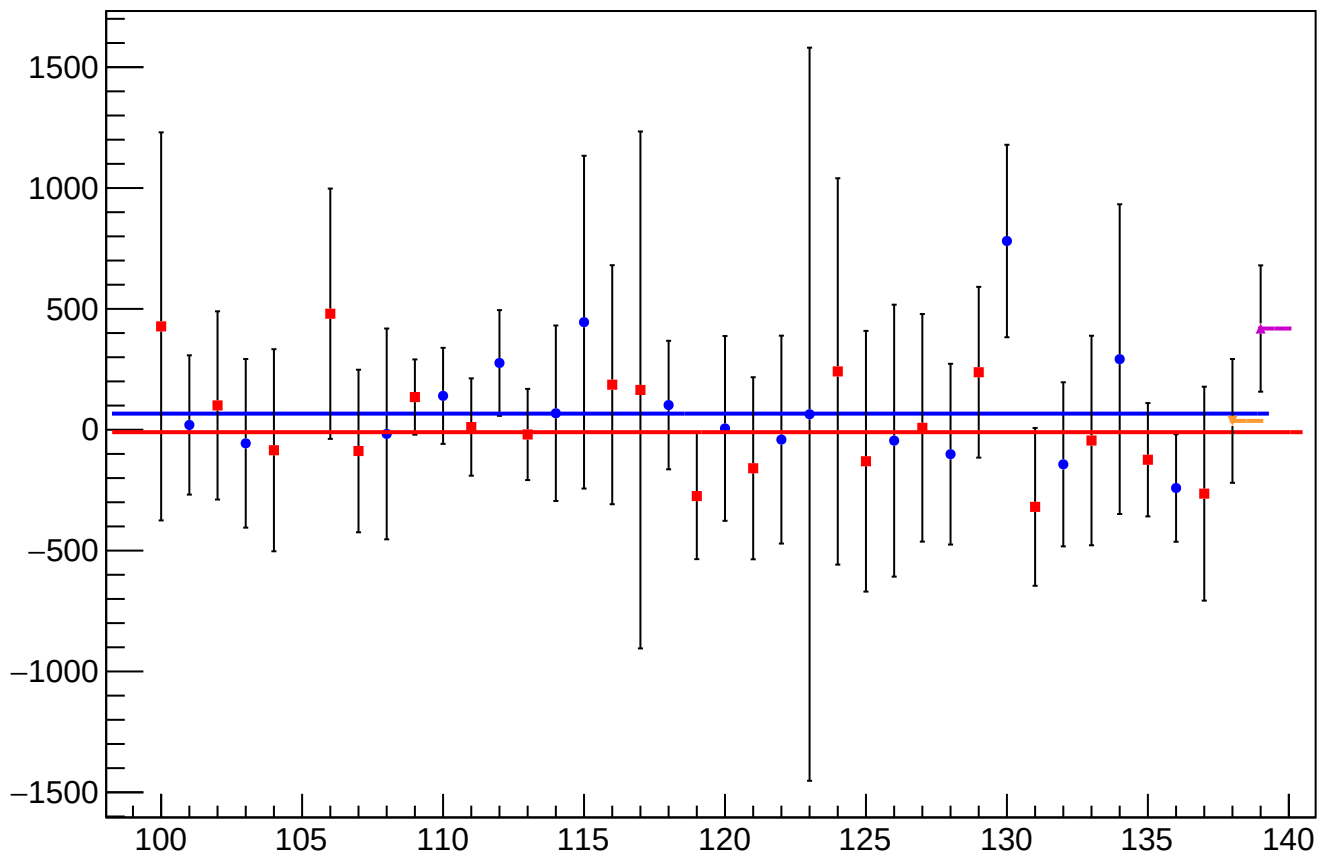
Left In: 23.211 $\pm$ 0.019 χ^2 /NDF: 0.0/0

22.971 $\pm$ 0.006 χ^2 /NDF: 12238.4/17

22.932 $\pm$ 0.004 χ^2 /NDF: 23680.8/38

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: 36.600+/-256.208 χ^2/NDF : 0.0/0

Right Out: -10.113+/-70.234 χ^2/NDF : 5.7/19

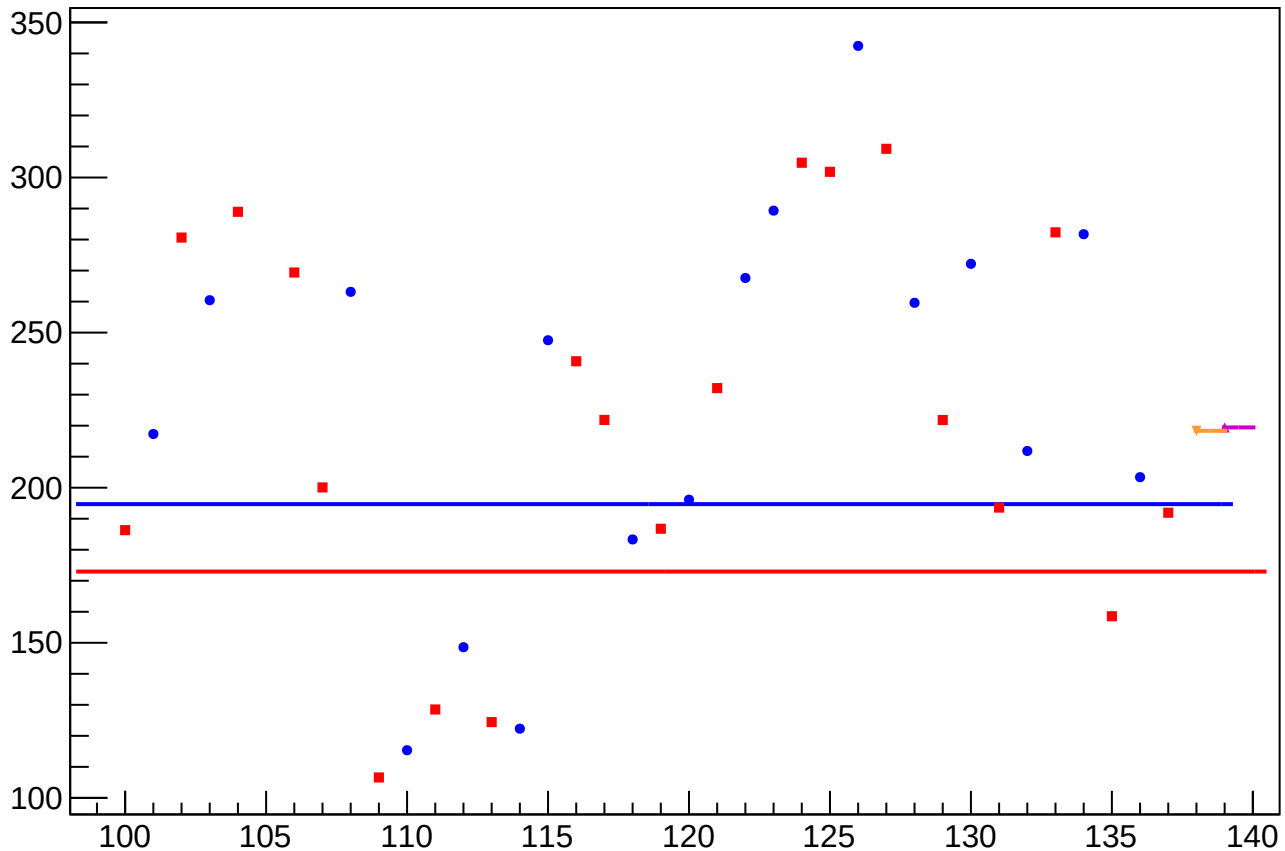
Left In: 418.773+/-261.268 χ^2/NDF : 0.0/0

64.027+/-76.360 χ^2/NDF : 7.5/17

38.742+/-50.710 χ^2/NDF : 16.0/38

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+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 218.347+/-0.181 χ^2/NDF : 0.0/0

Right Out: 172.965+/-0.050 χ^2/NDF : 1601142.0/19

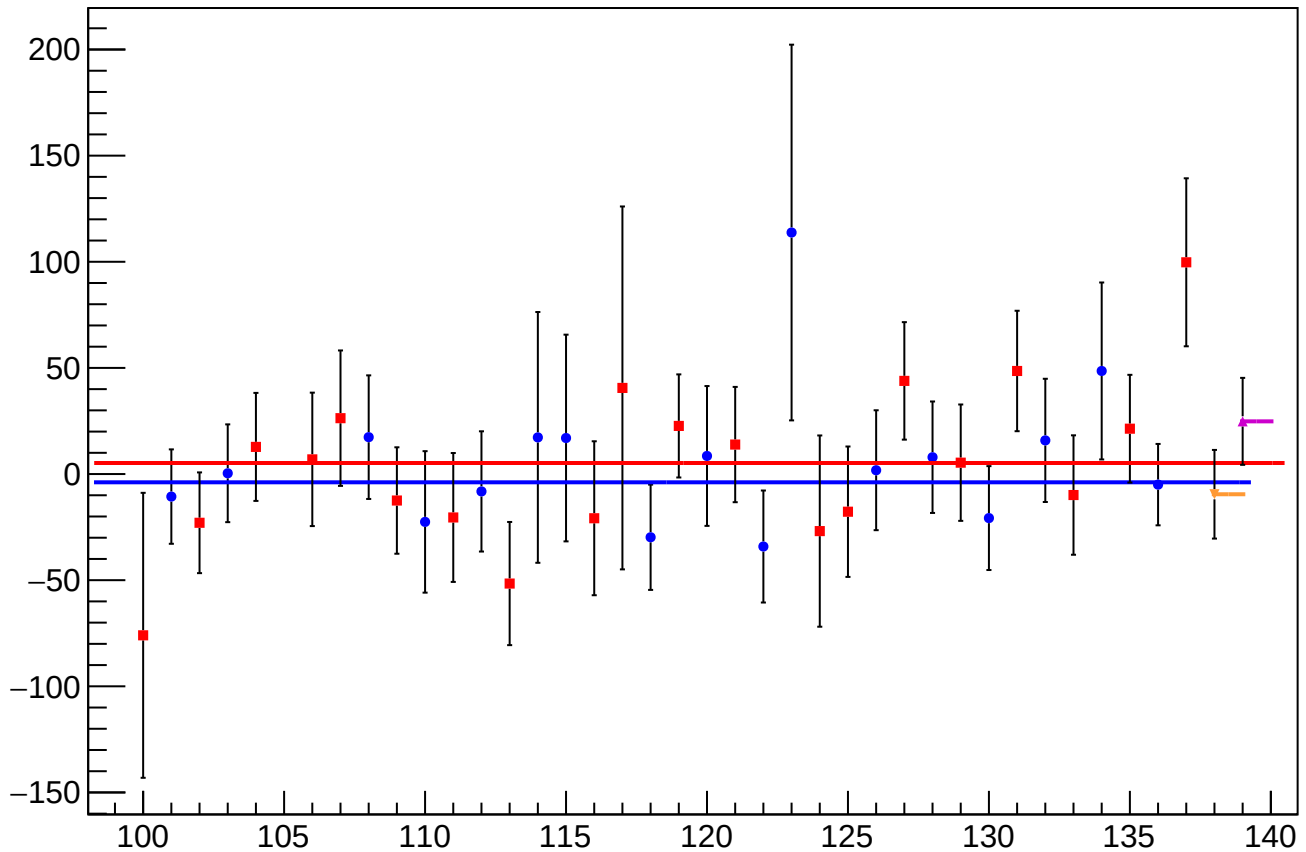
Left In: 219.433+/-0.185 χ^2/NDF : 0.0/0

196.803+/-0.054 χ^2/NDF : 1035392.7/17

185.229+/-0.036 χ^2/NDF : 2777739.9/38

176.097+/-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: -9.522 ± 20.883 χ^2/NDF : 0.0/0

Right Out: 5.204 ± 6.706 χ^2/NDF : 21.5/19

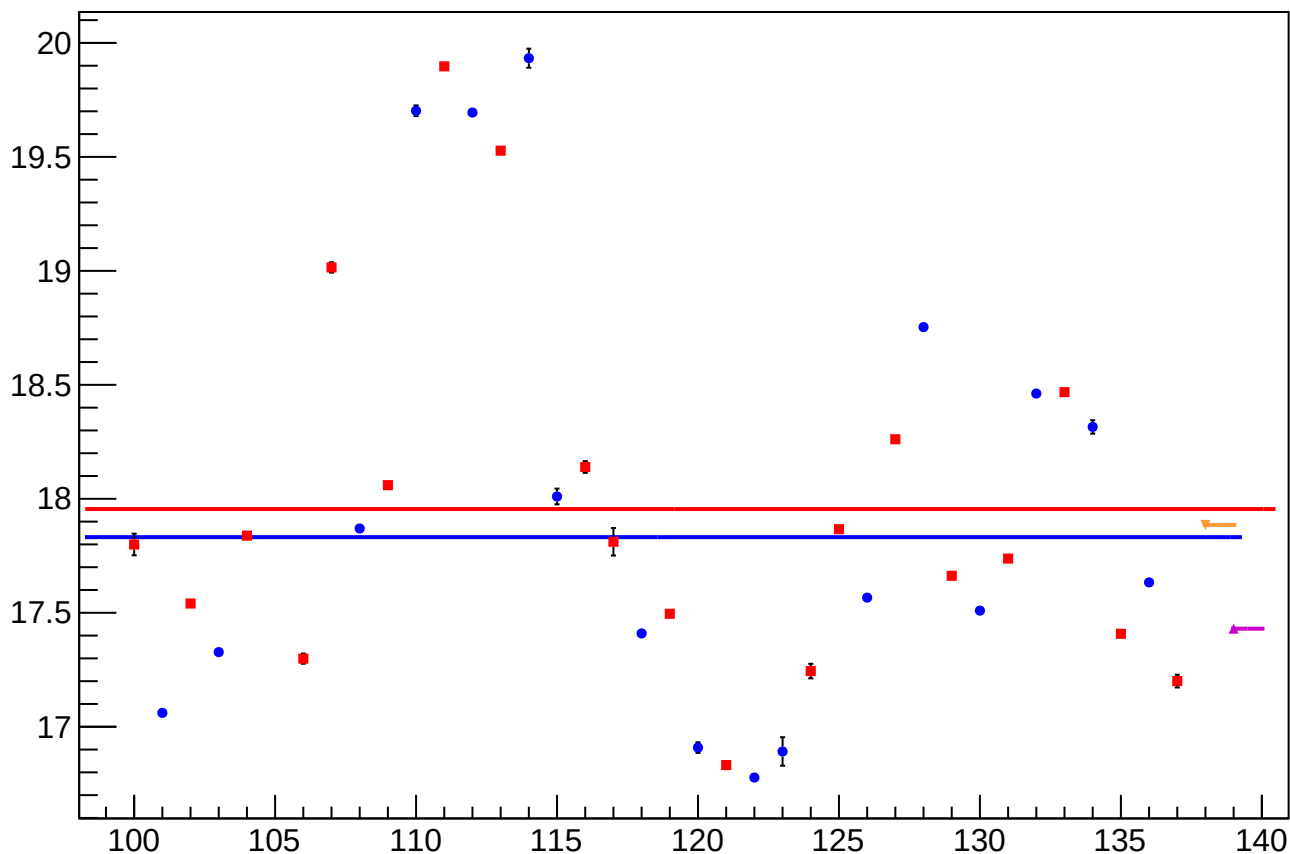
Left In: 24.822 ± 20.484 χ^2/NDF : 0.0/0

-4.451 ± 6.565 χ^2/NDF : 8.5/17

1.497 ± 4.573 χ^2/NDF : 32.4/38

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 $\pm$ 0.005 χ^2/NDF : 30863.4/16

Left Out: 17.885 $\pm$ 0.015 χ^2/NDF : 0.0/0

Right Out: 17.955 $\pm$ 0.005 χ^2/NDF : 25454.6/19

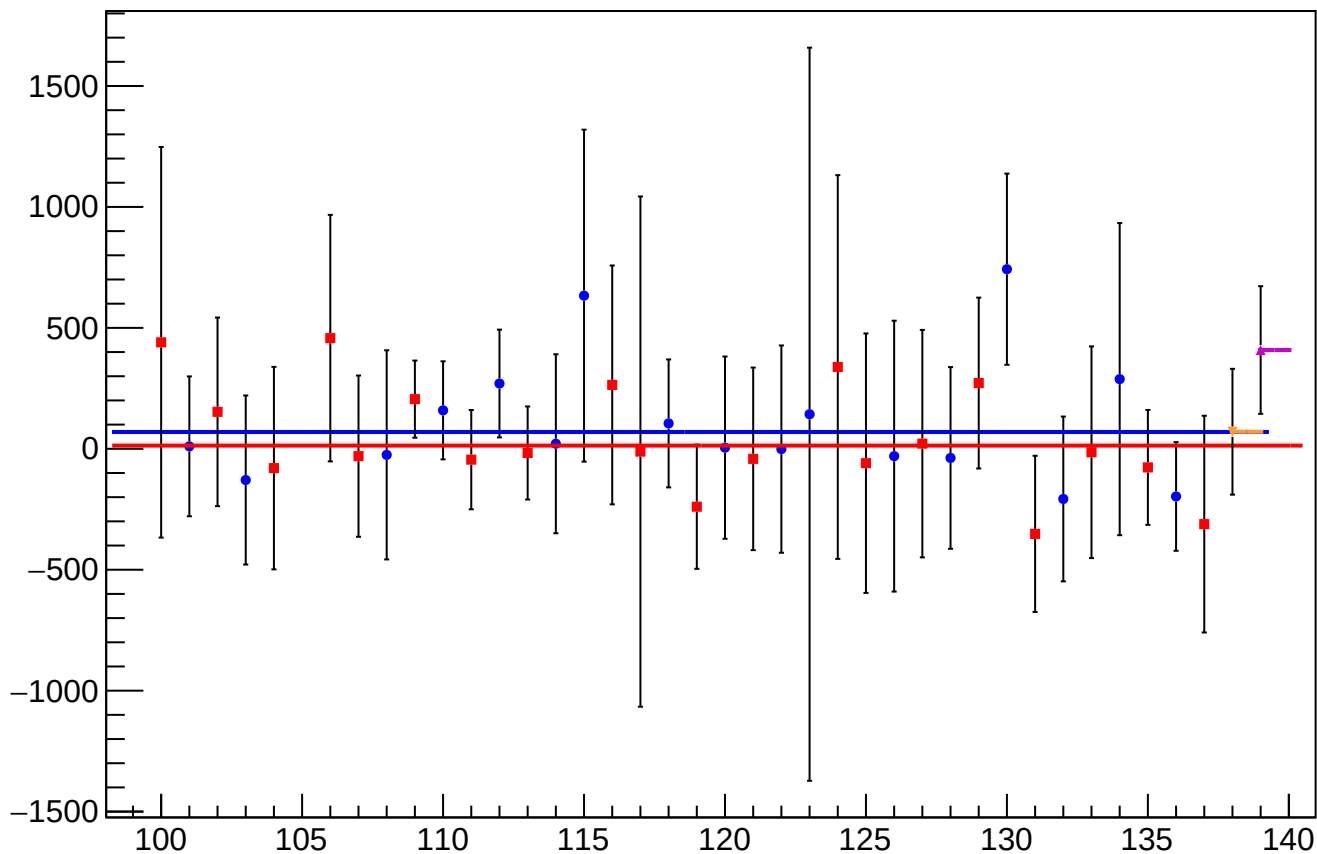
Left In: 17.430 $\pm$ 0.014 χ^2/NDF : 0.0/0

17.837 $\pm$ 0.005 χ^2/NDF : 30875.3/17

17.872 $\pm$ 0.003 χ^2/NDF : 57623.1/38

17.904 $\pm$ 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: 70.524 $\pm$ 260.039 χ^2 /NDF: 0.0/0

Right Out: 13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

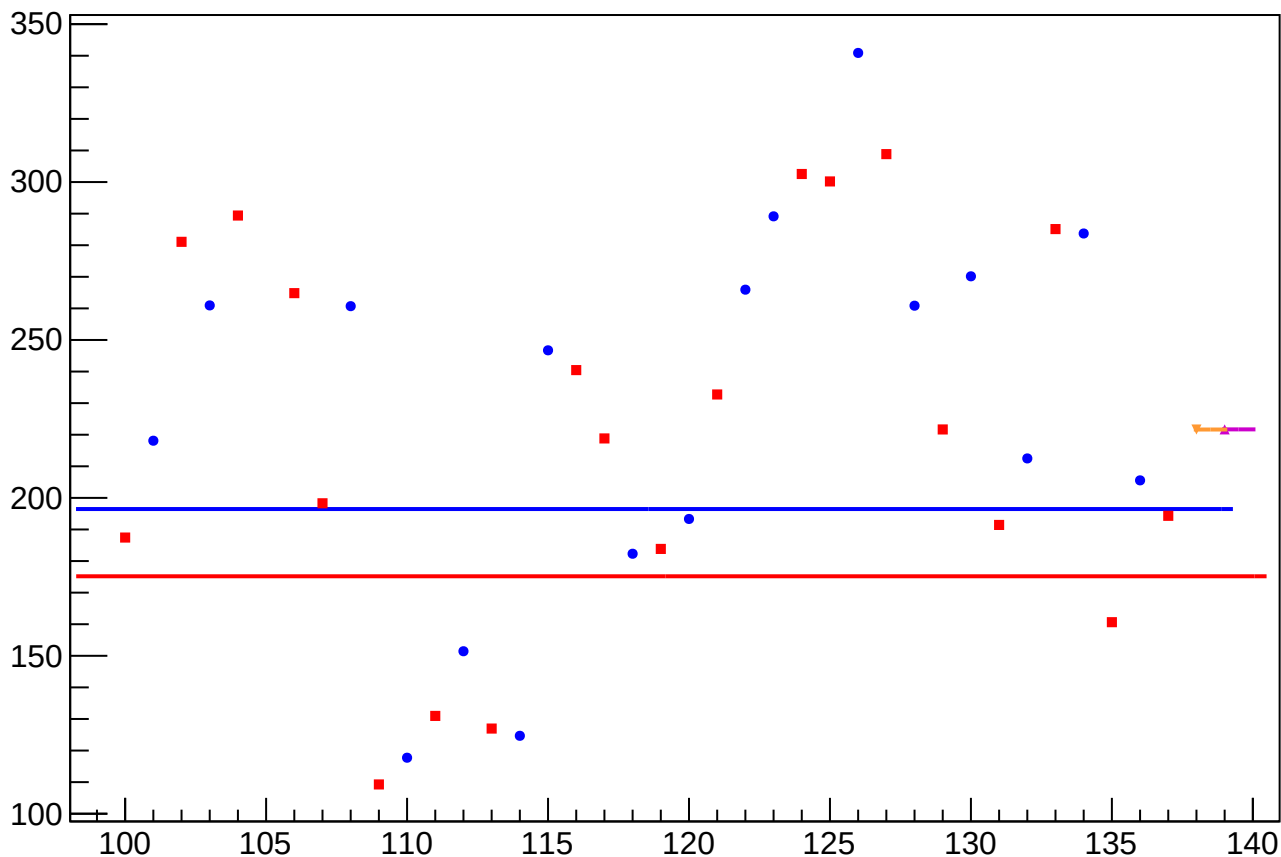
Left In: 408.439 $\pm$ 263.925 χ^2 /NDF: 0.0/0

69.599 $\pm$ 76.943 χ^2 /NDF: 7.4/17

53.011 $\pm$ 51.144 χ^2 /NDF: 16.3/38

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: 221.647 $\pm$ 0.184 χ^2 /NDF: 0.0/0

Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

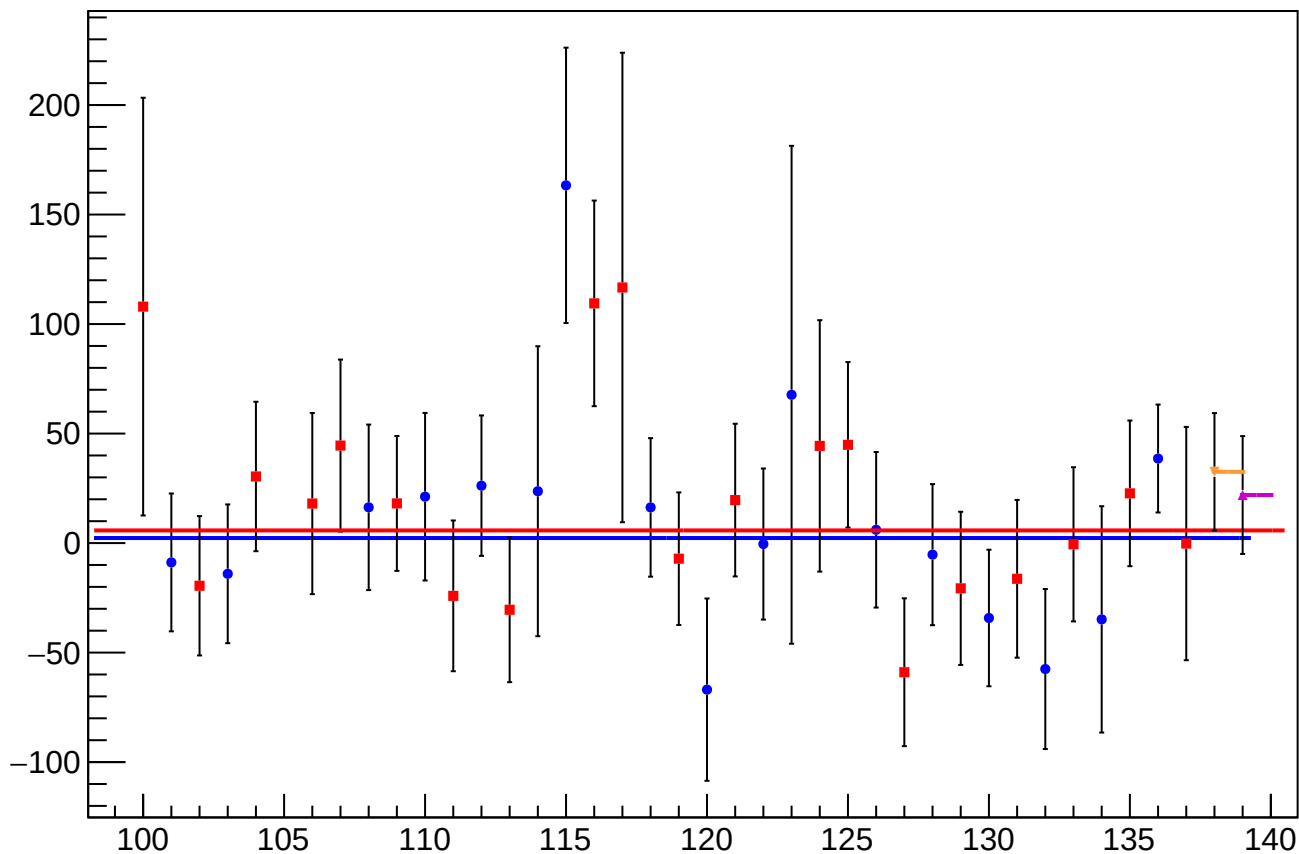
Left In: 221.691 $\pm$ 0.187 χ^2 /NDF: 0.0/0

198.675 $\pm$ 0.054 χ^2 /NDF: 981388.0/17

187.306 $\pm$ 0.036 χ^2 /NDF: 2632081.8/38

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+/-8.805 χ^2/NDF : 18.1/16

Left Out: 32.537+/-26.809 χ^2/NDF : 0.0/0

Right Out: 5.783+/-8.453 χ^2/NDF : 18.2/19

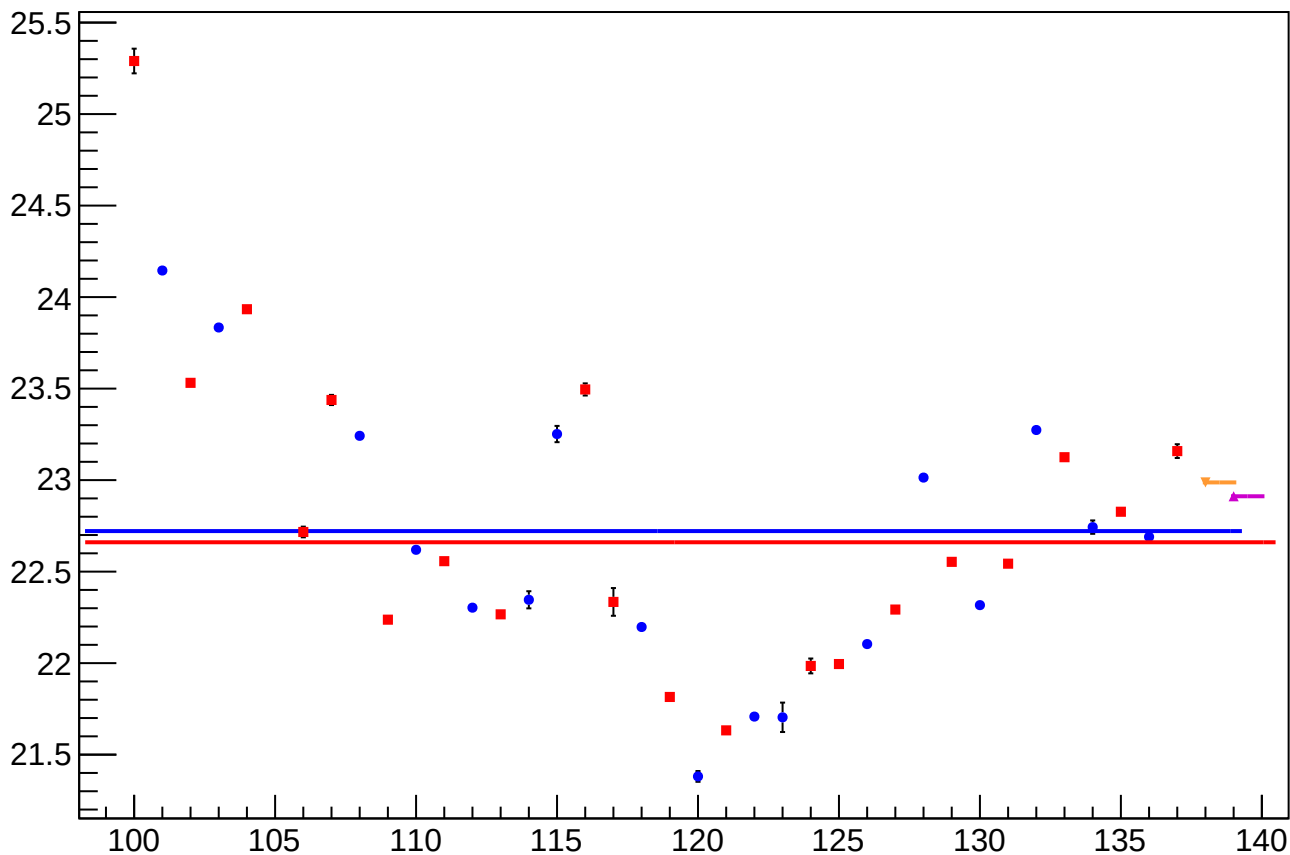
Left In: 21.943+/-26.895 χ^2/NDF : 0.0/0

5.251+/-8.365 χ^2/NDF : 19.3/17

6.280+/-5.806 χ^2/NDF : 37.8/38

7.236+/-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 ± 0.006 $\chi^2/\text{NDF}: 13580.6/16$

Left Out: 22.987 ± 0.019 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 22.660 ± 0.006 $\chi^2/\text{NDF}: 12974.2/19$

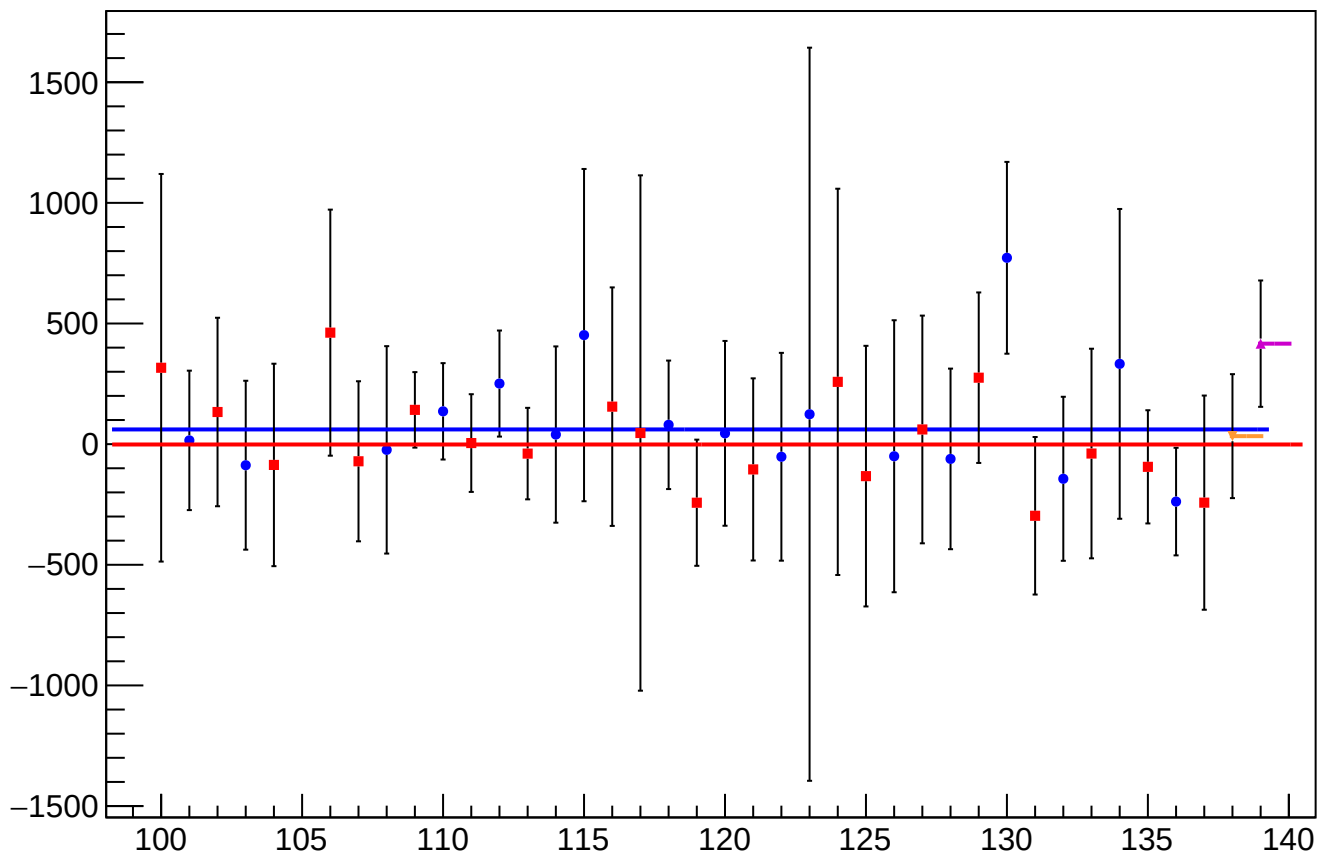
Left In: 22.912 ± 0.019 $\chi^2/\text{NDF}: 0.0/0$

22.747 ± 0.006 $\chi^2/\text{NDF}: 13758.2/17$

22.714 ± 0.004 $\chi^2/\text{NDF}: 26952.8/38$

22.683 ± 0.006 $\chi^2/\text{NDF}: 13133.1/20$

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: 33.155 $\pm$ 256.900 χ^2 /NDF: 0.0/0

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

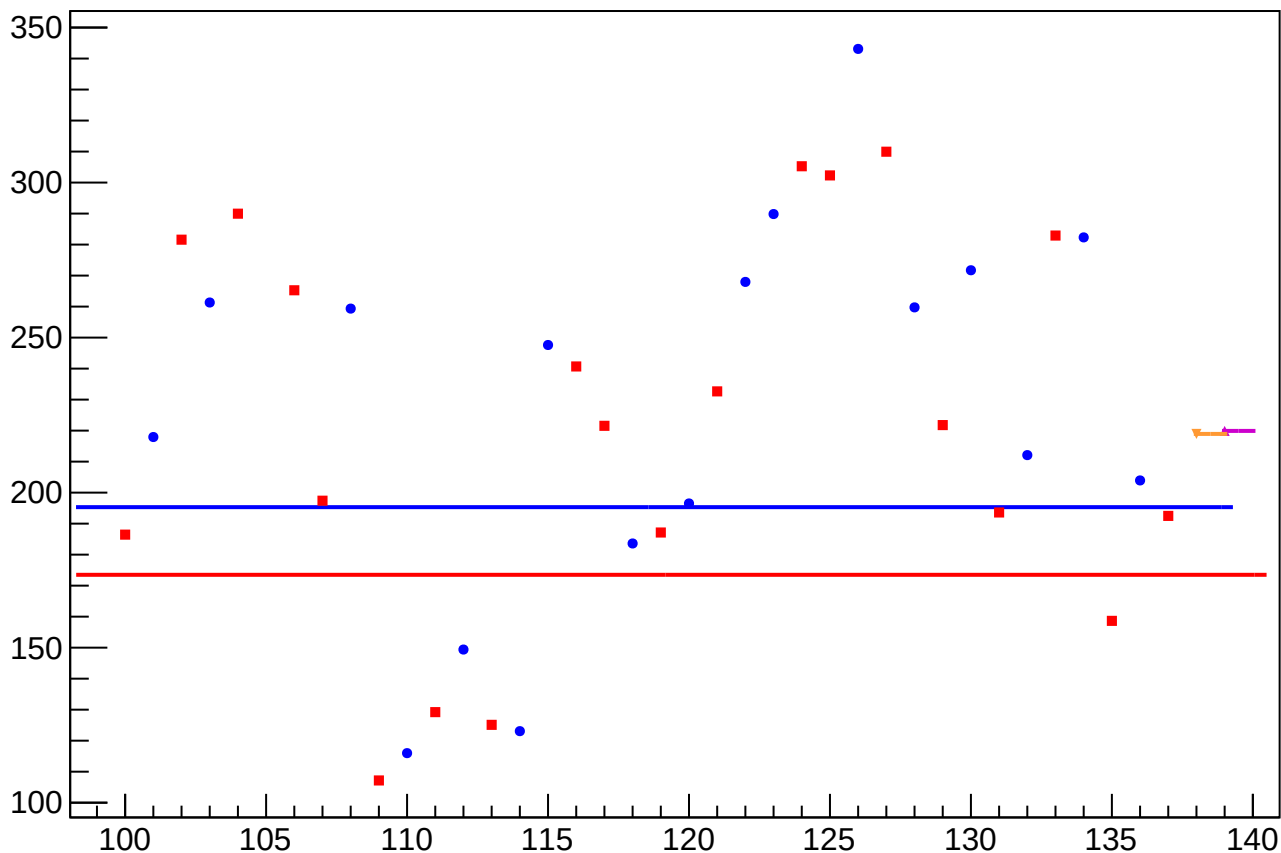
Left In: 416.447 $\pm$ 261.831 χ^2 /NDF: 0.0/0

58.491 $\pm$ 76.553 χ^2 /NDF: 7.2/17

40.734 $\pm$ 50.832 χ^2 /NDF: 14.9/38

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: 218.934 $\pm$ 0.182 χ^2 /NDF: 0.0/0

Right Out: 173.495 $\pm$ 0.050 χ^2 /NDF: 1582449.6/19

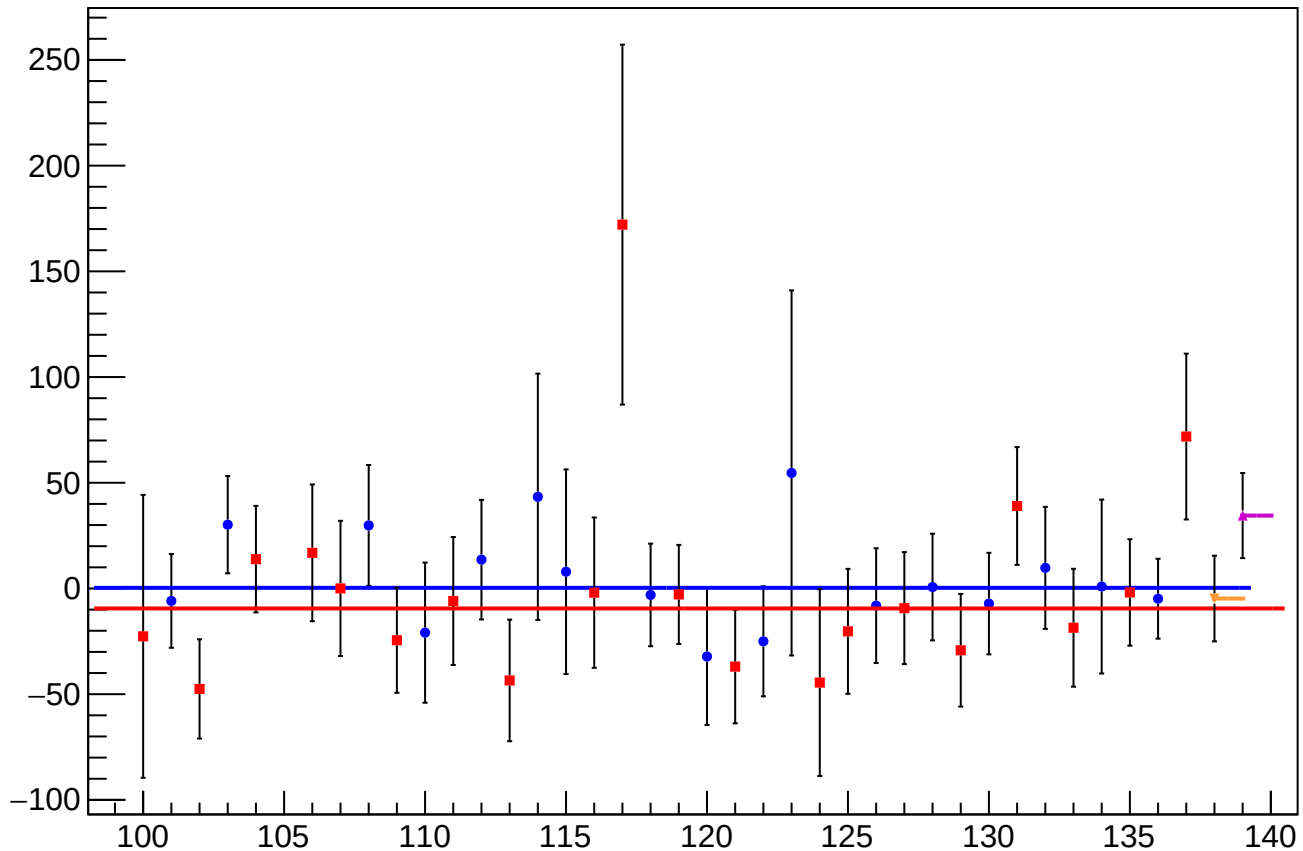
Left In: 219.905 $\pm$ 0.185 χ^2 /NDF: 0.0/0

197.413 $\pm$ 0.054 χ^2 /NDF: 1019615.1/17

185.790 $\pm$ 0.036 χ^2 /NDF: 2743133.1/38

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 χ^2/NDF : 6.8/16

Left Out: -4.770 ± 20.273 χ^2/NDF : 0.0/0

Right Out: -9.452 ± 6.608 χ^2/NDF : 20.6/19

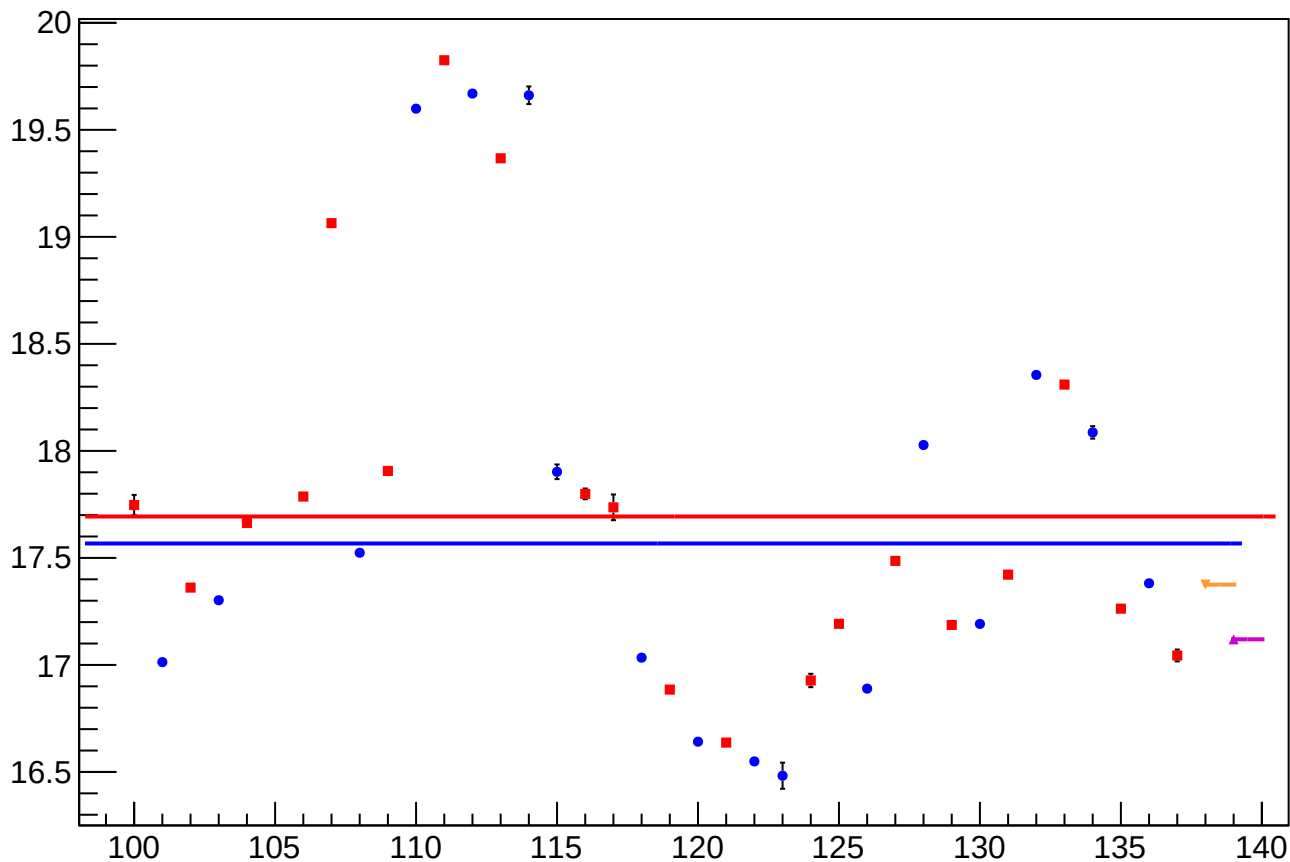
Left In: 34.483 ± 20.108 χ^2/NDF : 0.0/0

-0.210 ± 6.458 χ^2/NDF : 6.8/17

-2.760 ± 4.501 χ^2/NDF : 32.1/38

-5.170 ± 6.278 χ^2/NDF : 24.9/20

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 17.375 $\pm$ 0.014 χ^2 /NDF: 0.0/0

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.6/19

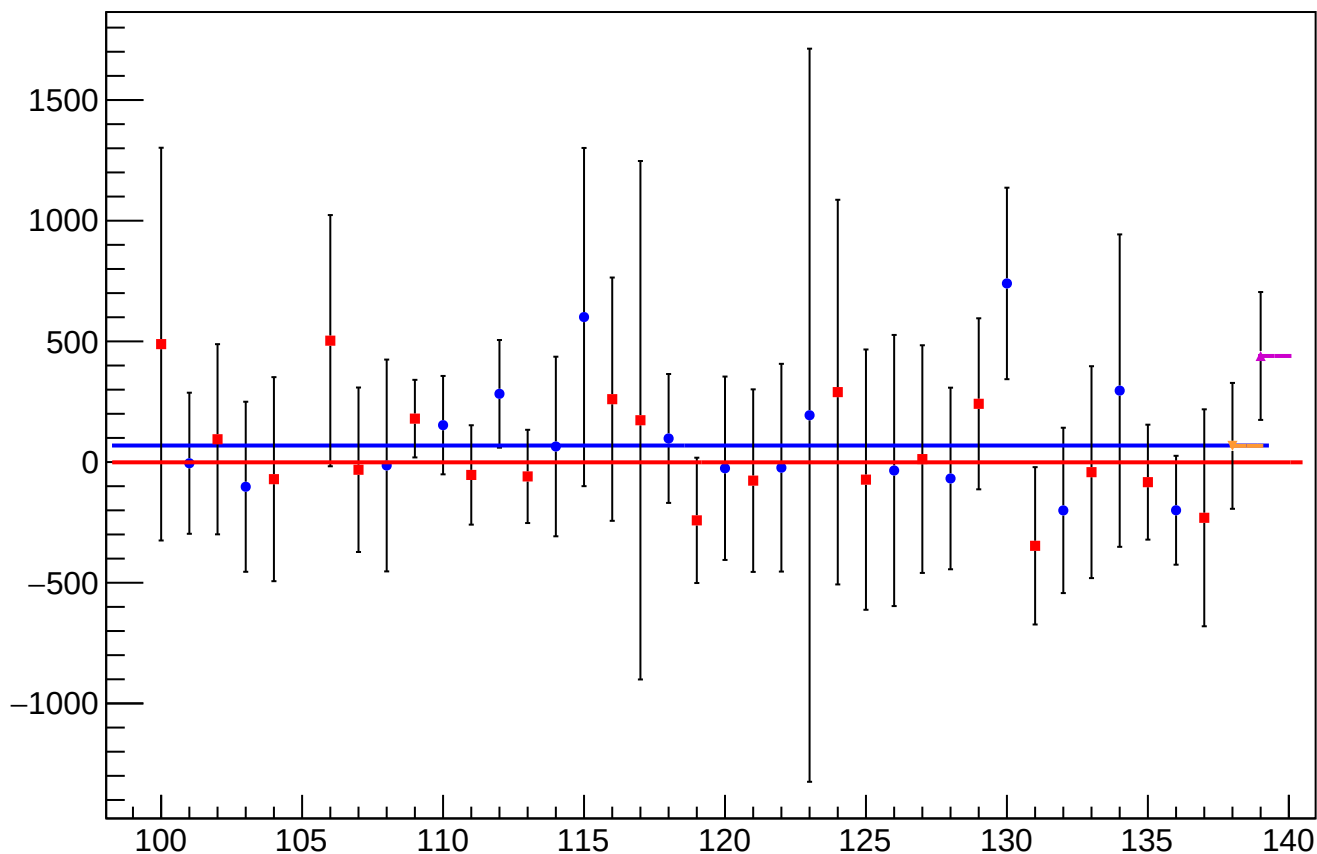
Left In: 17.120 $\pm$ 0.014 χ^2 /NDF: 0.0/0

17.548 $\pm$ 0.005 χ^2 /NDF: 33306.2/17

17.594 $\pm$ 0.003 χ^2 /NDF: 65742.0/38

17.638 $\pm$ 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: 67.117 $\pm$ 260.804 χ^2 /NDF: 0.0/0

Right Out: -1.057 $\pm$ 71.380 χ^2 /NDF: 6.1/19

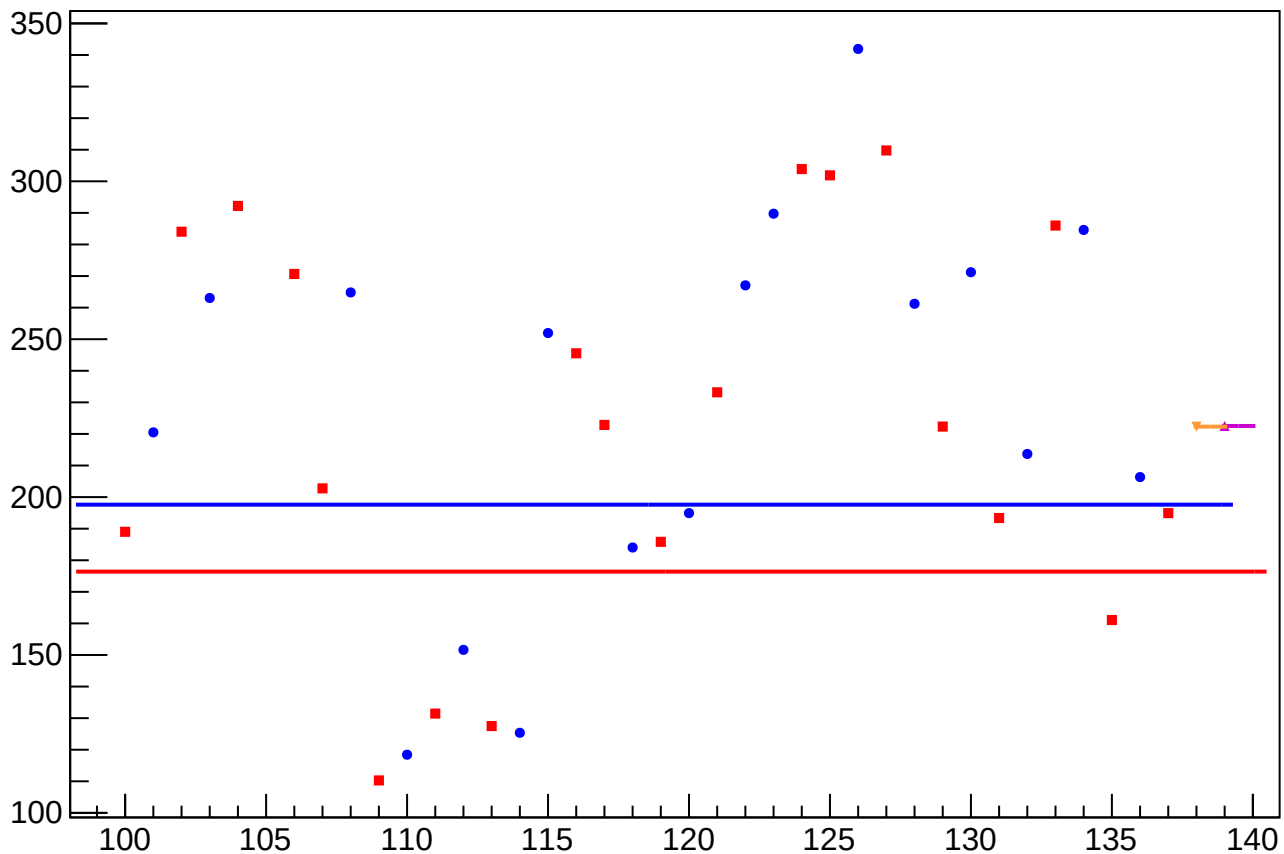
Left In: 439.576 $\pm$ 264.914 χ^2 /NDF: 0.0/0

68.427 $\pm$ 77.371 χ^2 /NDF: 7.3/17

46.314 $\pm$ 51.464 χ^2 /NDF: 16.2/38

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: 222.306 $\pm$ 0.184 χ^2 /NDF: 0.0/0

Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

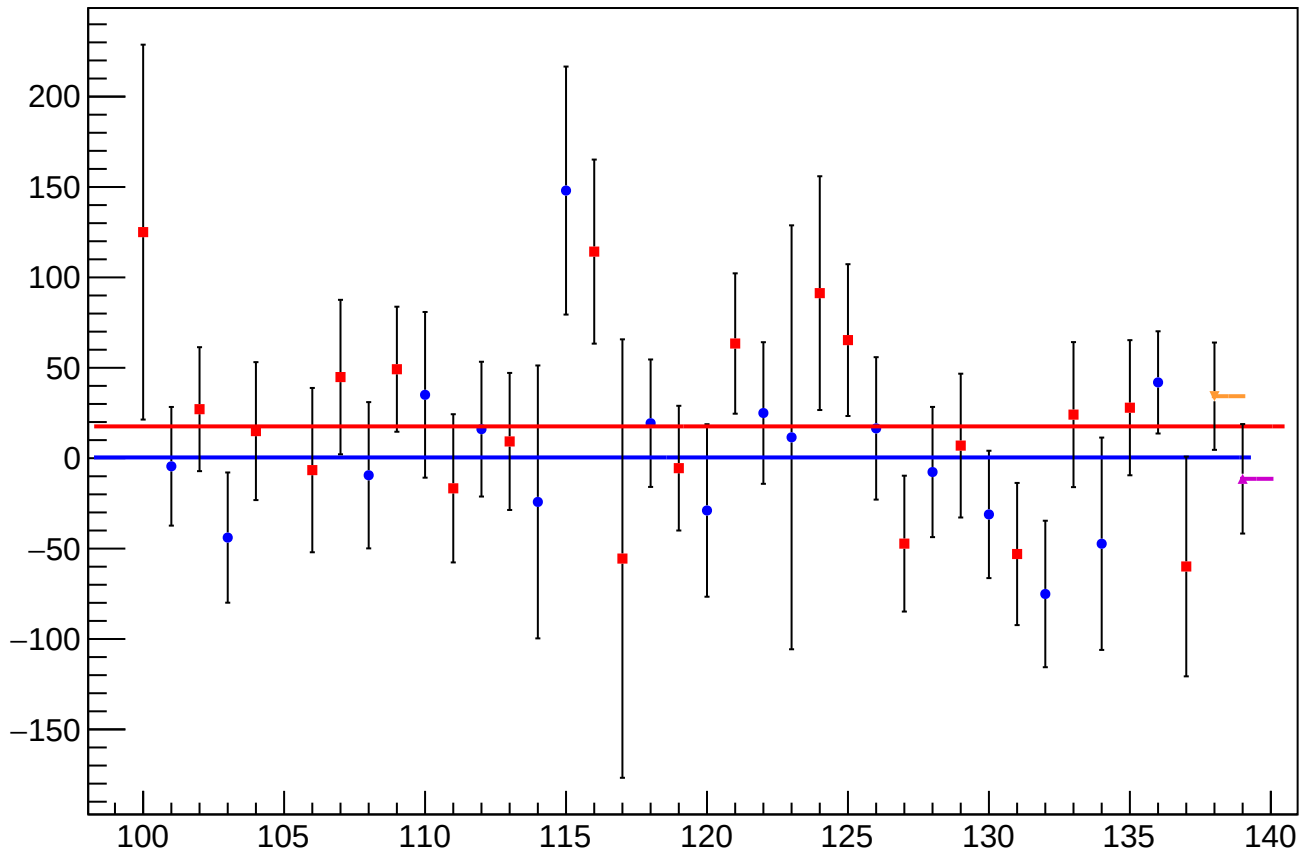
Left In: 222.523 $\pm$ 0.187 χ^2 /NDF: 0.0/0

199.777 $\pm$ 0.055 χ^2 /NDF: 985191.3/17

188.487 $\pm$ 0.036 χ^2 /NDF: 2641662.4/38

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: 34.293 ± 29.678 χ^2/NDF : 0.0/0

Right Out: 17.595 ± 9.470 χ^2/NDF : 19.8/19

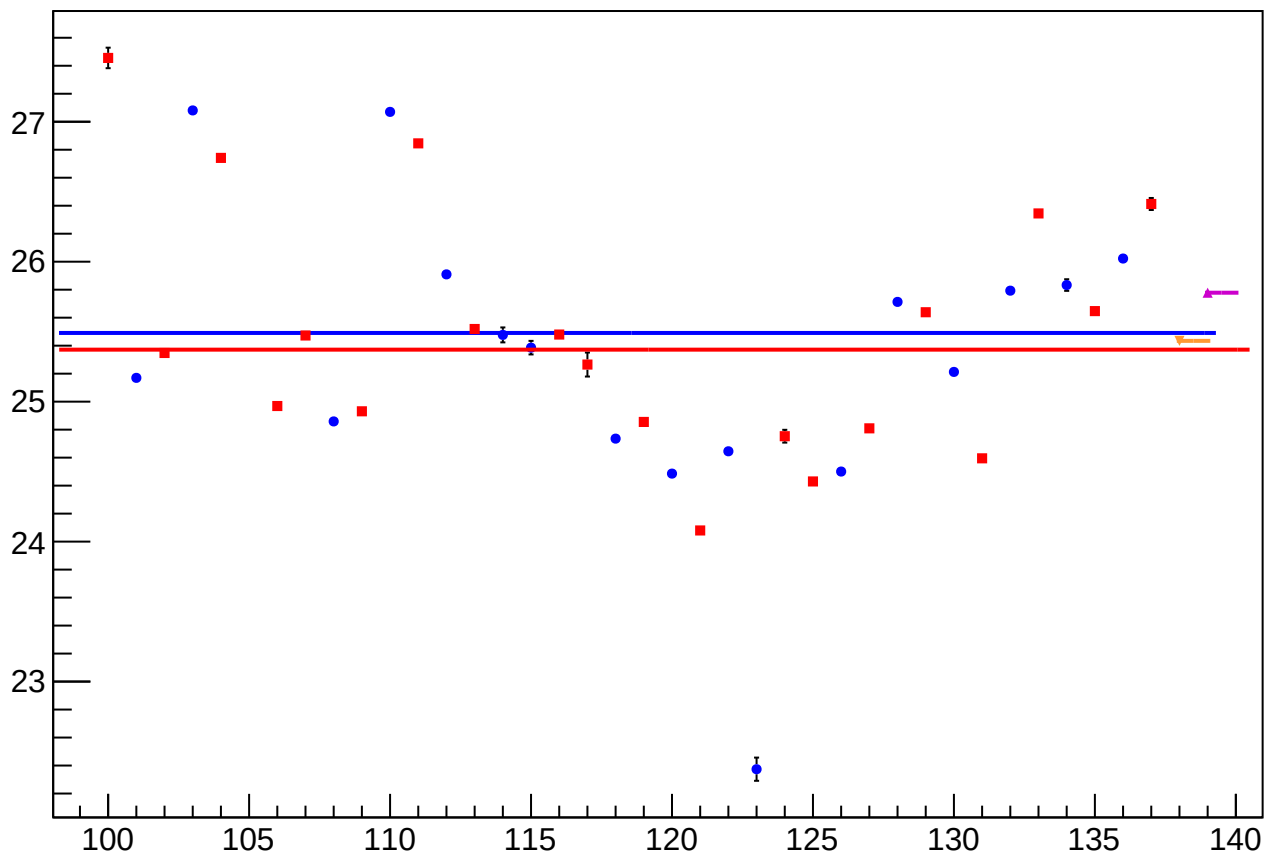
Left In: -11.402 ± 30.281 χ^2/NDF : 0.0/0

3.808 ± 9.378 χ^2/NDF : 16.6/17

9.617 ± 6.508 χ^2/NDF : 38.0/38

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: 25.434 $\pm$ 0.021 χ^2 /NDF: 0.0/0

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

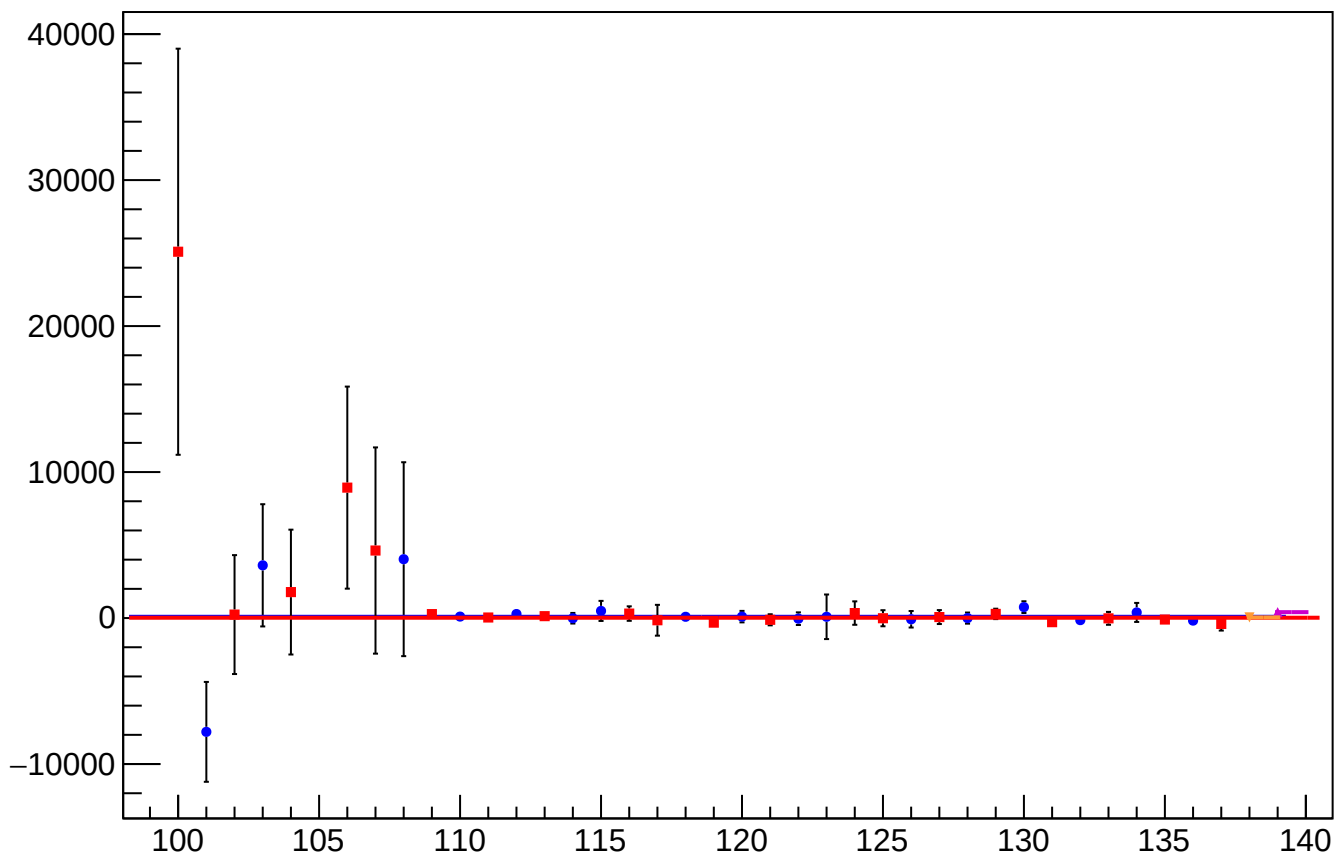
Left In: 25.778 $\pm$ 0.021 χ^2 /NDF: 0.0/0

25.485 $\pm$ 0.007 χ^2 /NDF: 13719.6/17

25.445 $\pm$ 0.005 χ^2 /NDF: 27671.1/38

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: 46.356+/-256.563 χ^2/NDF : 0.0/0

Right Out: 22.332+/-80.711 χ^2/NDF : 11.9/19

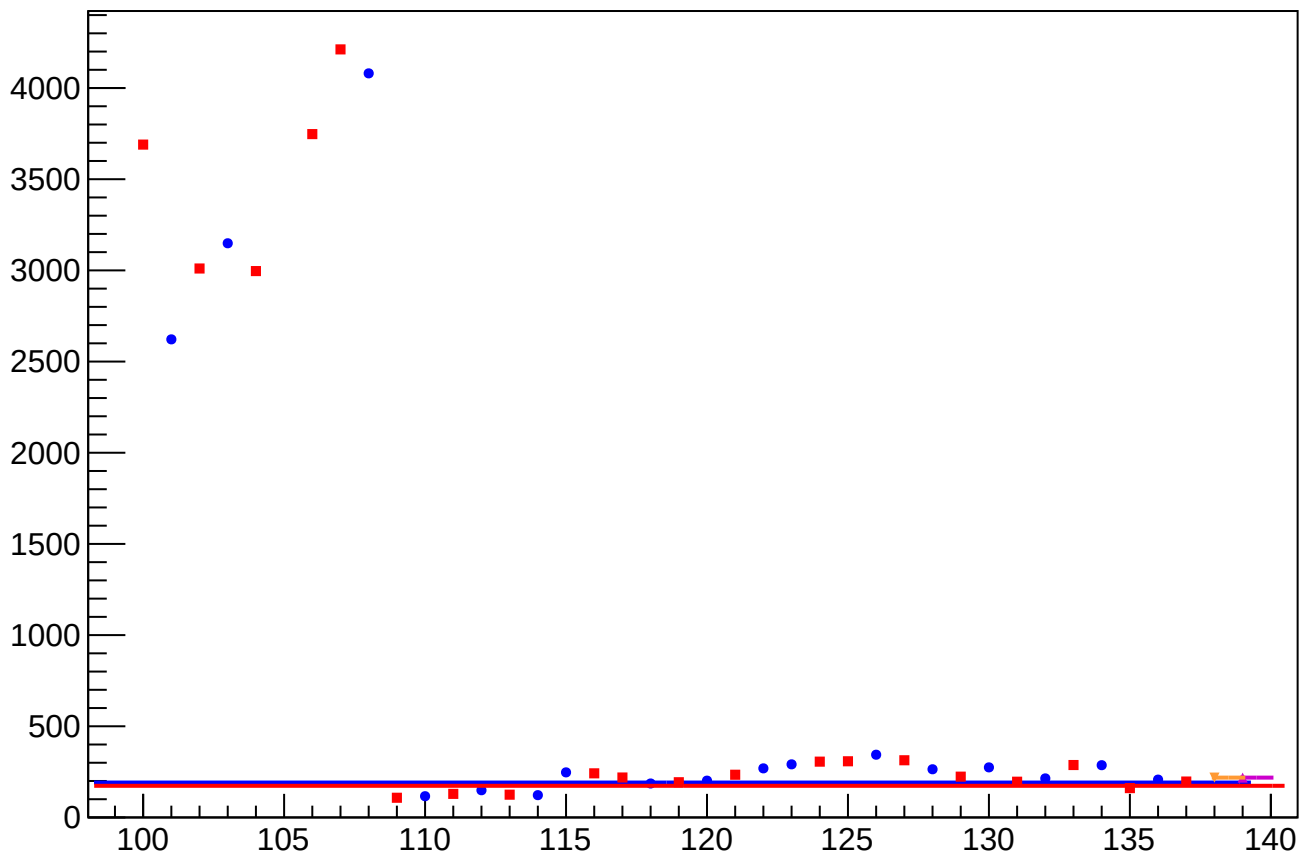
Left In: 404.486+/-260.282 χ^2/NDF : 0.0/0

82.289+/-83.598 χ^2/NDF : 12.5/17

68.004+/-56.672 χ^2/NDF : 26.5/38

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: 218.471+/-0.181 χ^2/NDF : 0.0/0

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

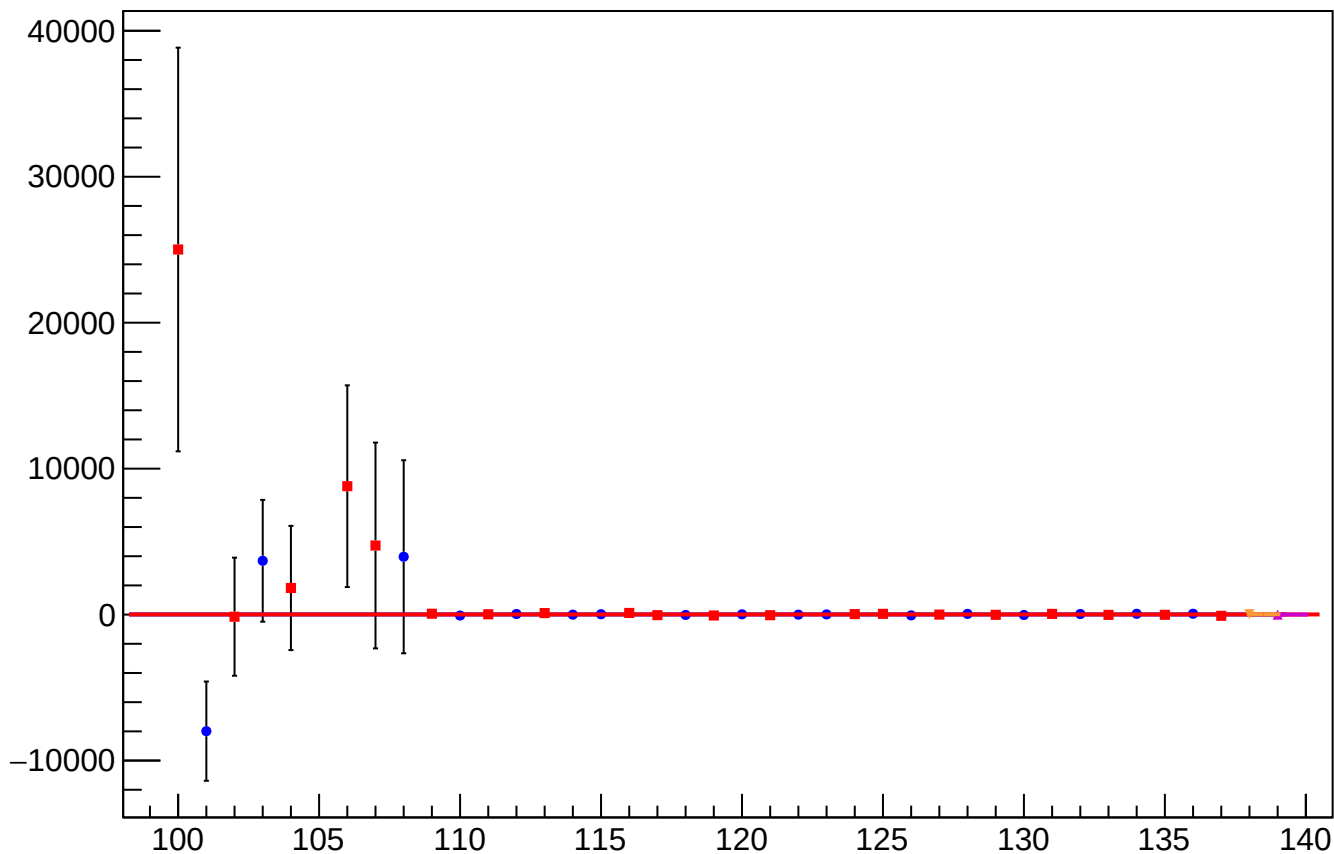
Left In: 218.441+/-0.184 χ^2/NDF : 0.0/0

194.344+/-0.059 χ^2/NDF : 3592942.1/17

185.242+/-0.040 χ^2/NDF : 7902211.5/38

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: 27.258+/-33.777 χ^2/NDF : 0.0/0

Right Out: 12.296+/-12.186 χ^2/NDF : 24.9/19

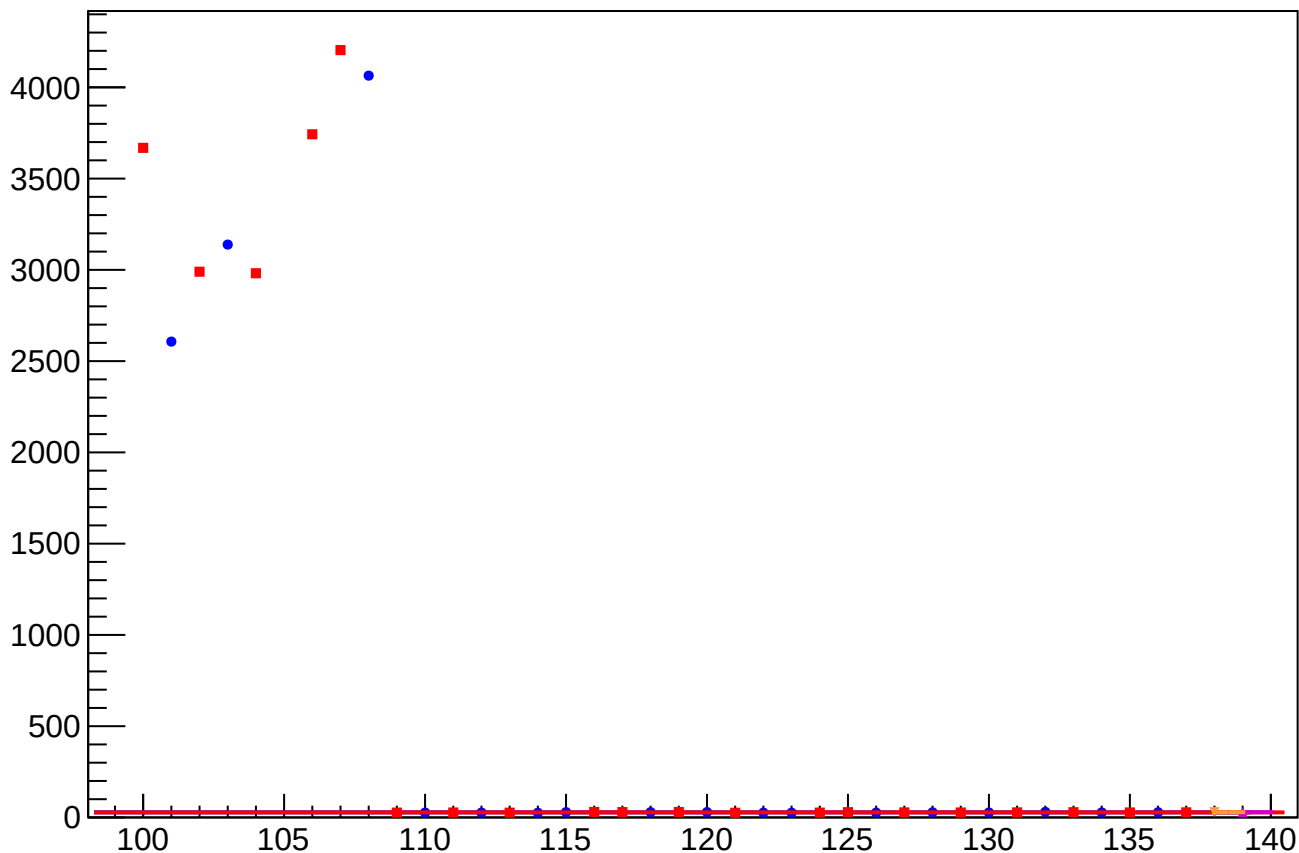
Left In: 0.225+/-34.186 χ^2/NDF : 0.0/0

12.268+/-11.543 χ^2/NDF : 18.6/17

11.598+/-8.139 χ^2/NDF : 43.6/38

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: 28.925+/-0.024 χ^2/NDF : 0.0/0

Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

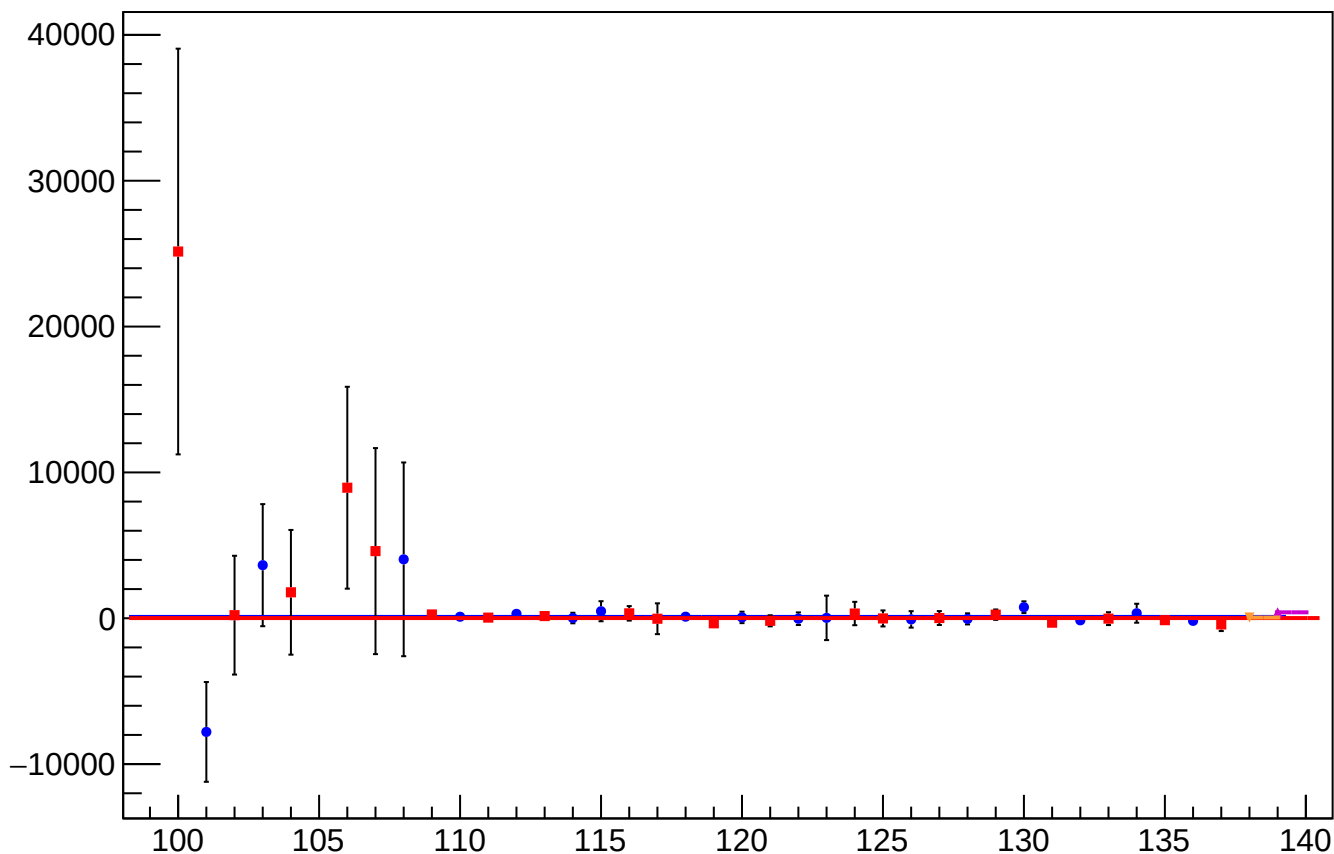
Left In: 29.008+/-0.024 χ^2/NDF : 0.0/0

27.980+/-0.008 χ^2/NDF : 3029439.5/17

27.916+/-0.006 χ^2/NDF : 6509258.6/38

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: 50.837+/-255.877 χ^2/NDF : 0.0/0

Right Out: 13.075+/-80.452 χ^2/NDF : 12.7/19

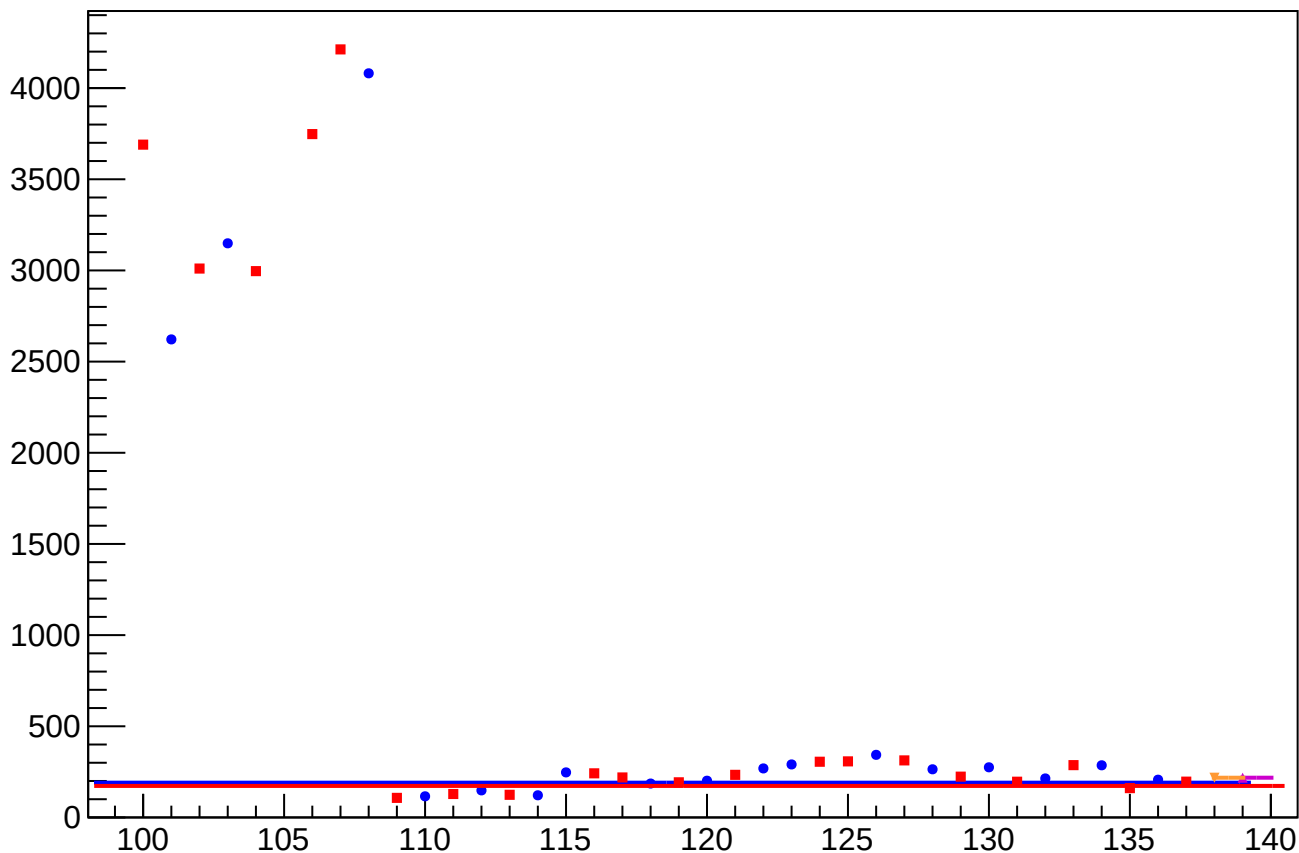
Left In: 406.898+/-259.728 χ^2/NDF : 0.0/0

86.537+/-83.342 χ^2/NDF : 12.8/17

65.468+/-56.497 χ^2/NDF : 27.7/38

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: 217.891 $\pm$ 0.181 χ^2 /NDF: 0.0/0

Right Out: 172.900 $\pm$ 0.057 χ^2 /NDF: 4222511.2/19

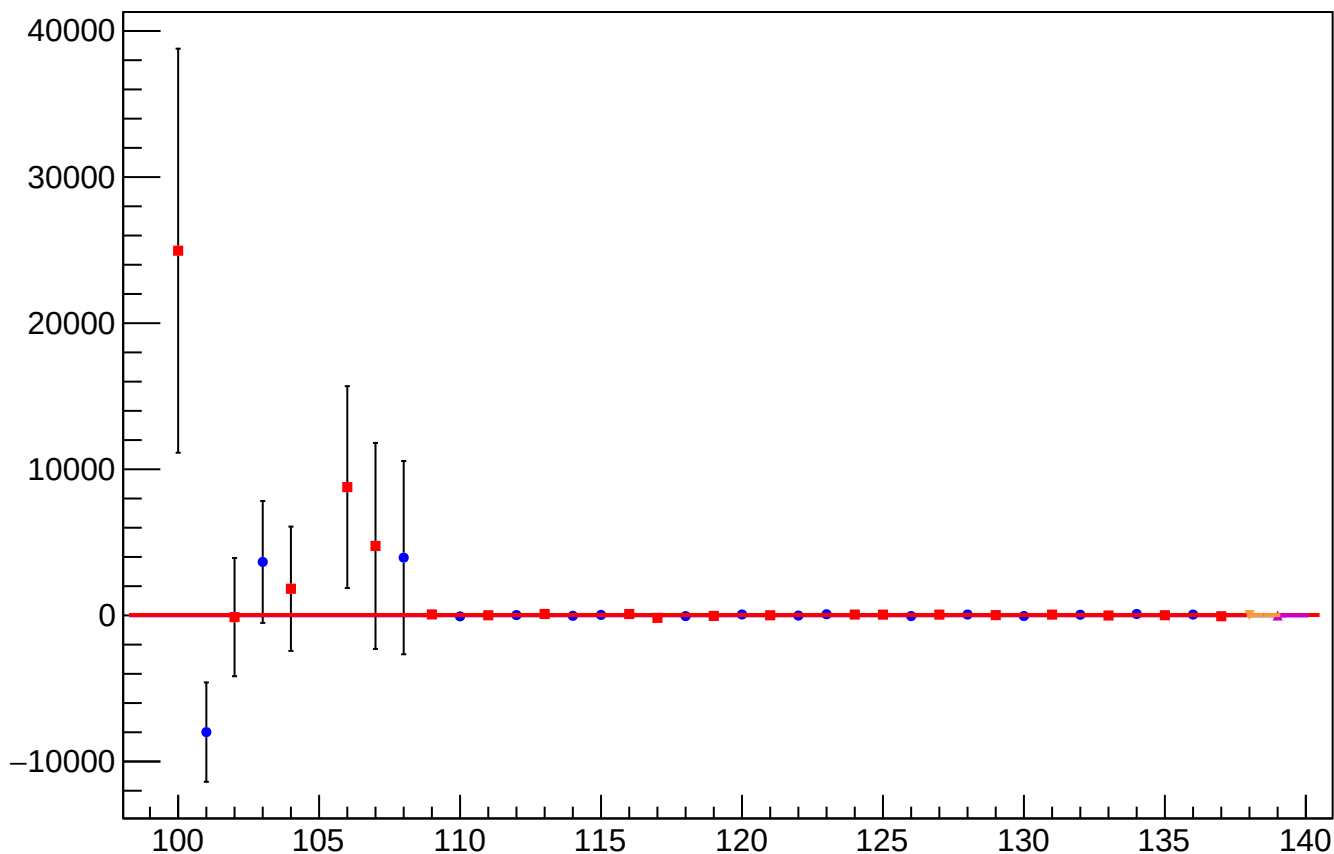
Left In: 217.975 $\pm$ 0.184 χ^2 /NDF: 0.0/0

193.647 $\pm$ 0.059 χ^2 /NDF: 3605119.5/17

184.567 $\pm$ 0.040 χ^2 /NDF: 7926519.4/38

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: 19.828 $\pm$ 34.159 χ^2 /NDF: 0.0/0

Right Out: 27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

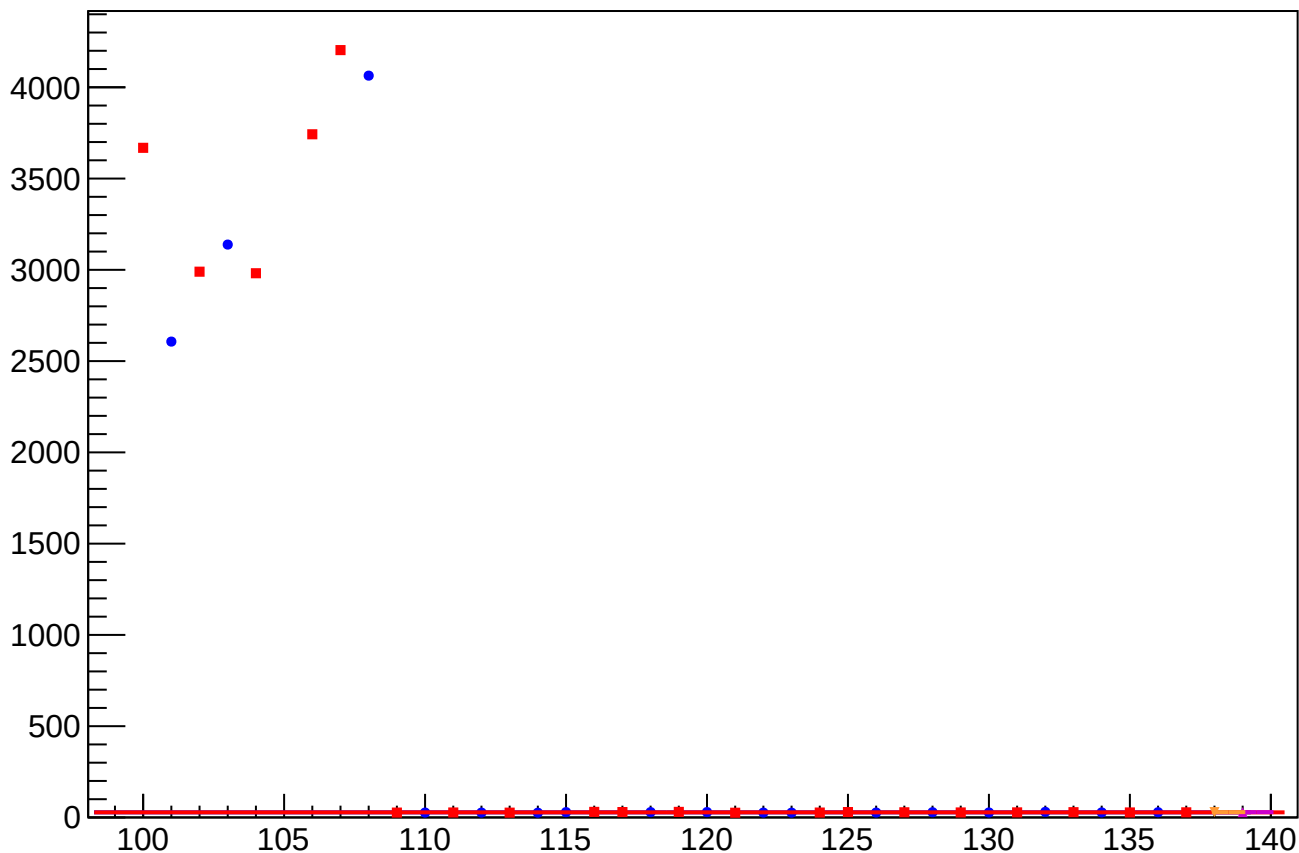
Left In: -6.216 $\pm$ 34.372 χ^2 /NDF: 0.0/0

9.901 $\pm$ 11.629 χ^2 /NDF: 23.3/17

17.003 $\pm$ 8.202 χ^2 /NDF: 43.7/38

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: 29.249+/-0.024 χ^2 /NDF:0.0/0

Right Out: 27.930+/-0.009 χ^2 /NDF: 3479947.6/19

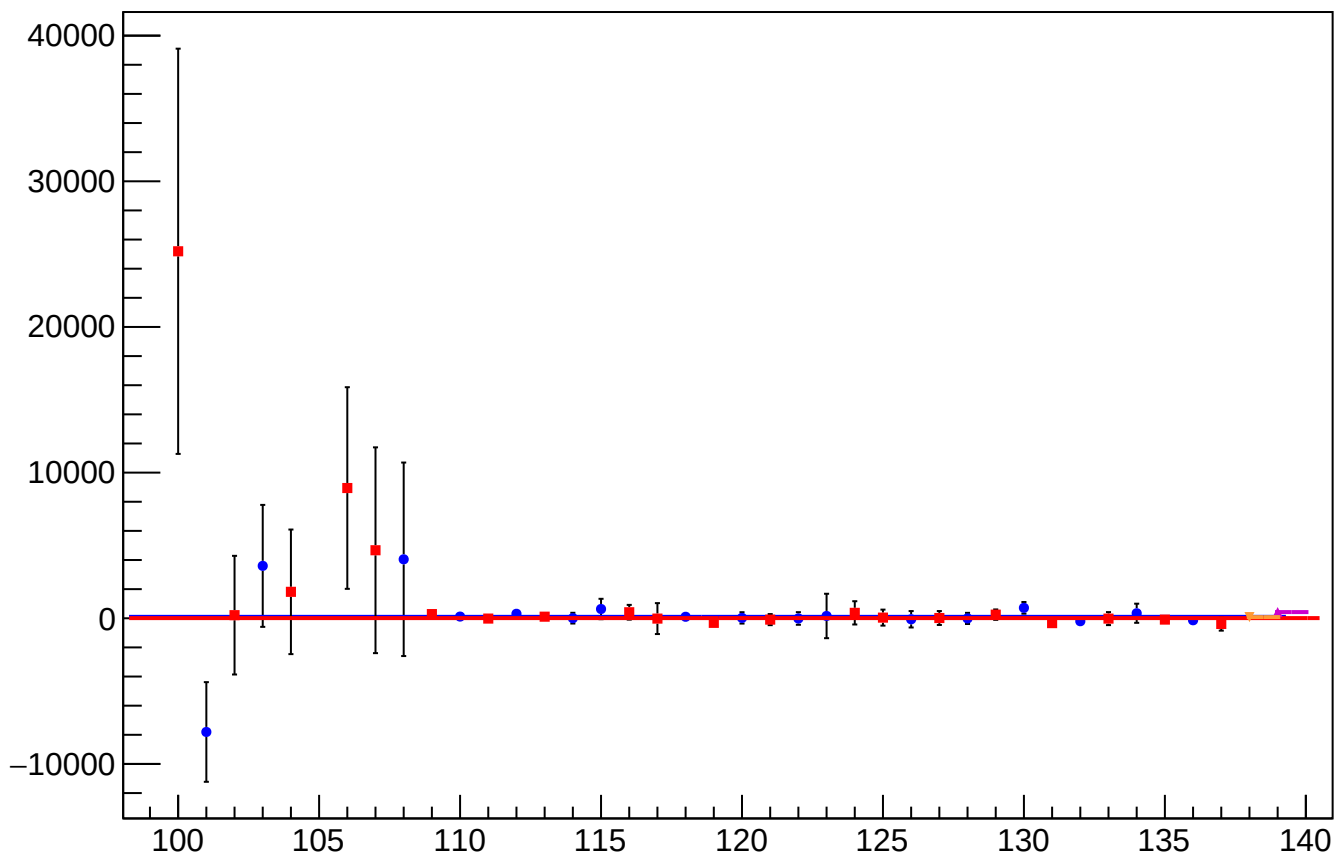
Left In: 29.164+/-0.024 χ^2 /NDF:0.0/0

28.183+/-0.008 χ^2 /NDF: 3030097.8/17

28.126+/-0.006 χ^2 /NDF: 6512428.7/38

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: 80.021+/-260.293 χ^2/NDF : 0.0/0

Right Out: 11.533+/-81.530 χ^2/NDF : 12.3/19

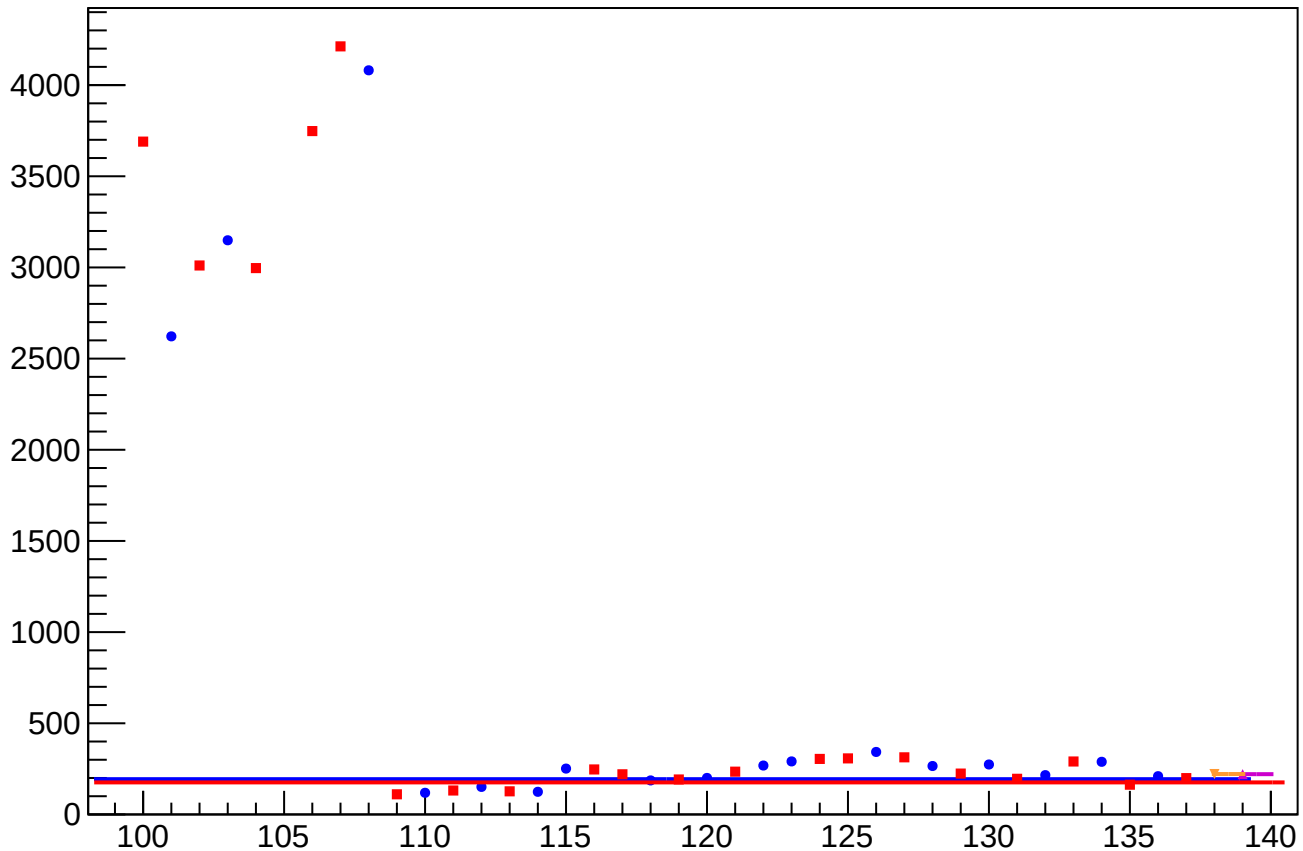
Left In: 424.977+/-263.262 χ^2/NDF : 0.0/0

96.238+/-84.385 χ^2/NDF : 12.5/17

70.035+/-57.232 χ^2/NDF : 27.2/38

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: 221.686+/-0.184 χ^2/NDF : 0.0/0

Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

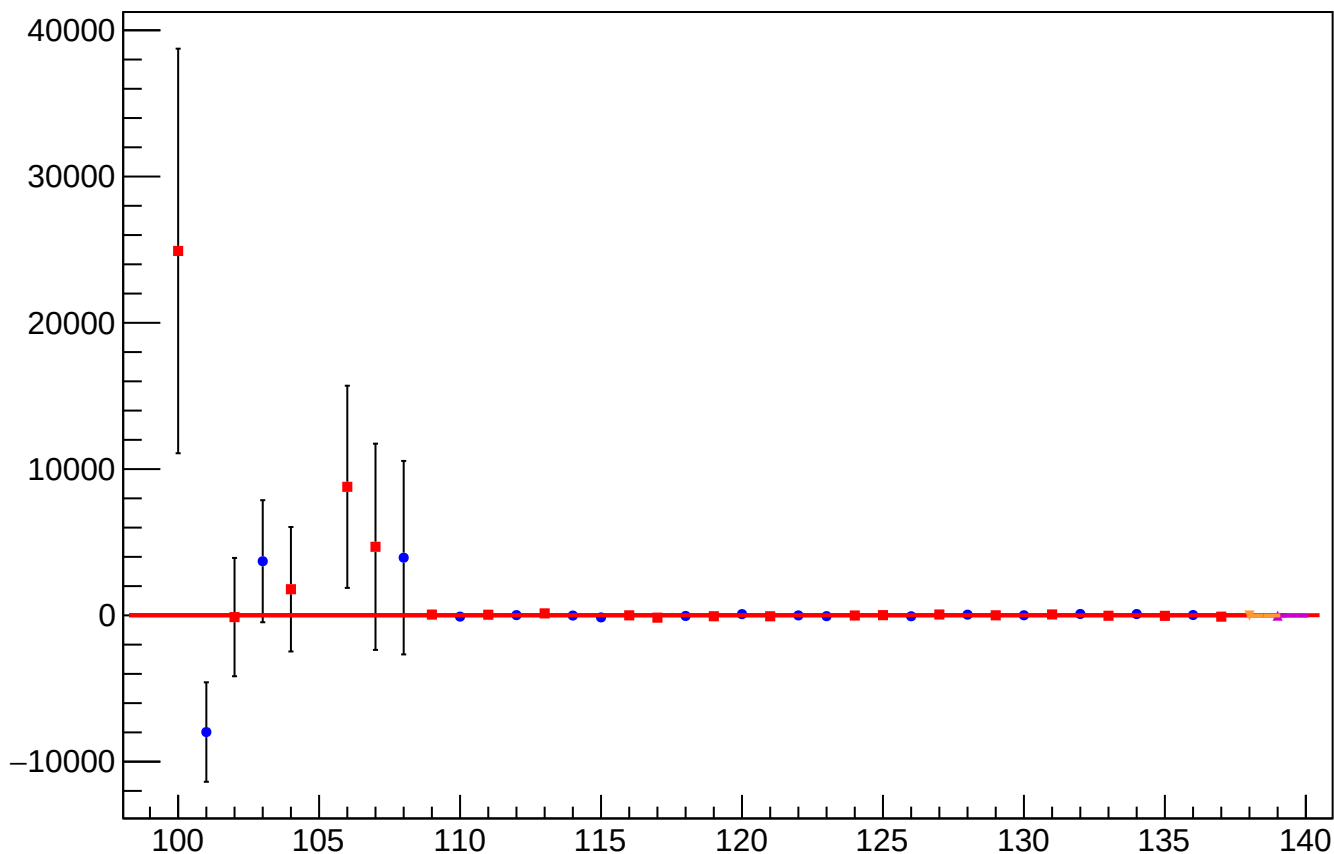
Left In: 220.965+/-0.186 χ^2/NDF : 0.0/0

196.477+/-0.060 χ^2/NDF : 3557909.9/17

187.433+/-0.040 χ^2/NDF : 7823346.7/38

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: -8.004 $\pm$ 41.008 χ^2 /NDF: 0.0/0

Right Out: 10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

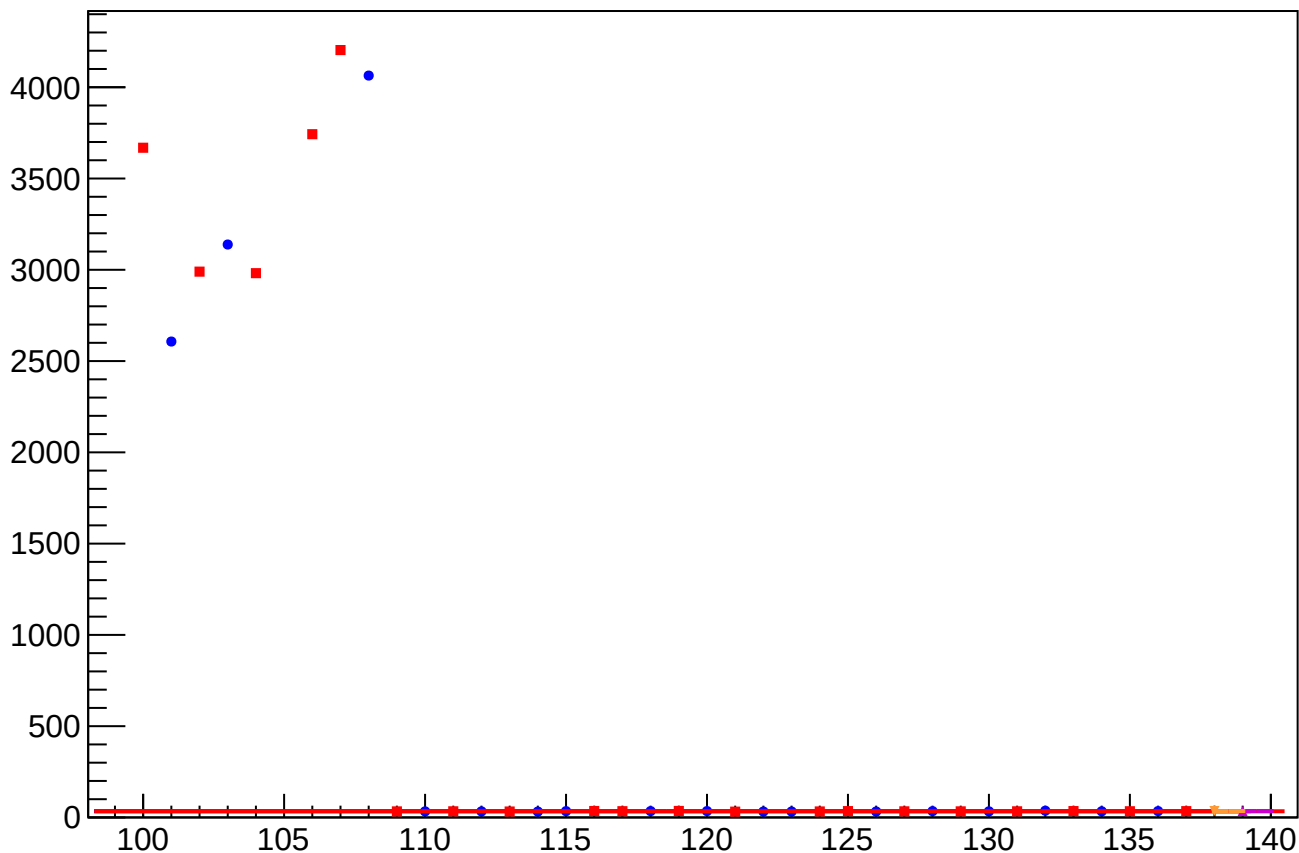
Left In: -18.779 $\pm$ 41.654 χ^2 /NDF: 0.0/0

3.954 $\pm$ 14.130 χ^2 /NDF: 20.5/17

5.703 $\pm$ 9.953 χ^2 /NDF: 44.0/38

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 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 35.137 $\pm$ 0.029 χ^2 /NDF:0.0/0

Right Out: 33.916 $\pm$ 0.011 χ^2 /NDF: 3451921.6/19

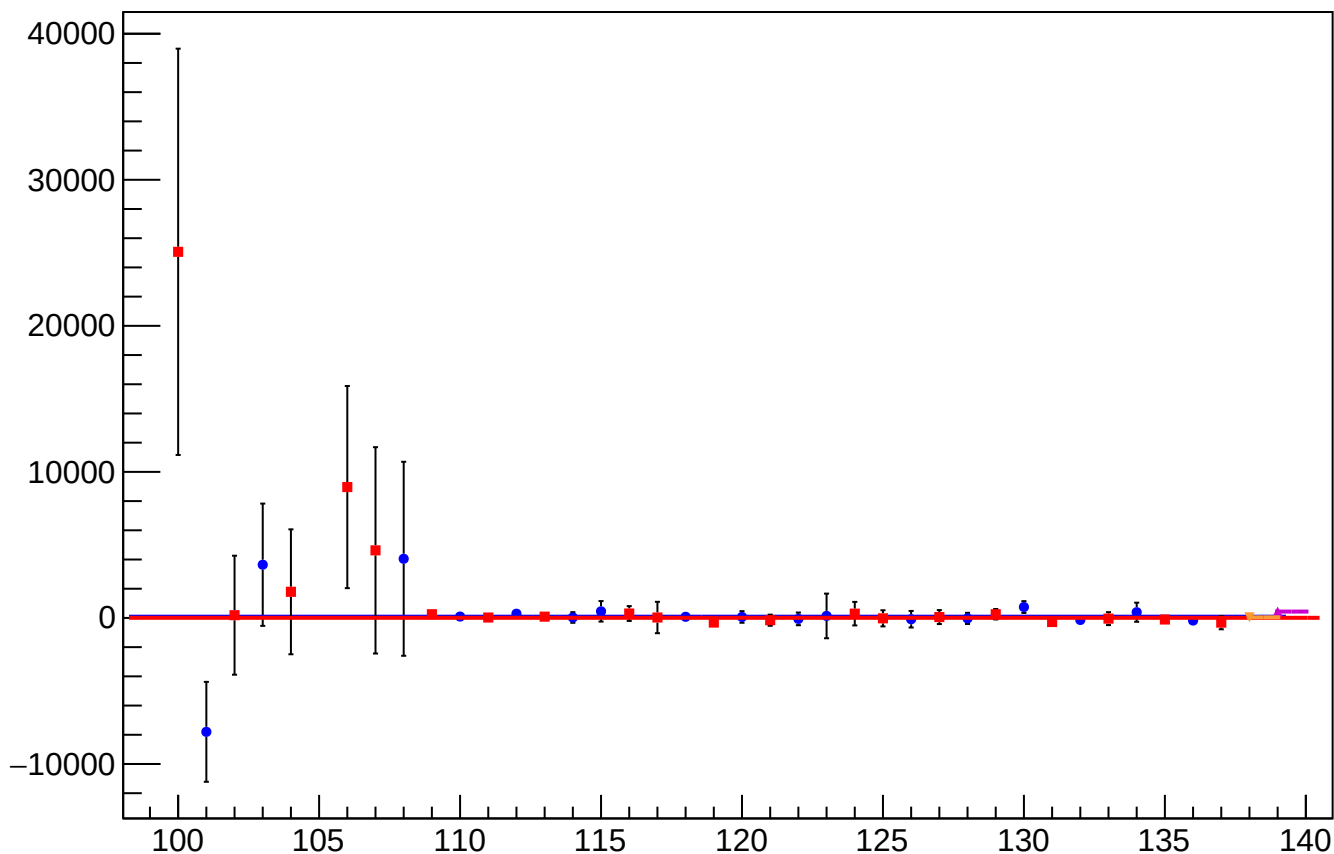
Left In: 35.400 $\pm$ 0.029 χ^2 /NDF:0.0/0

34.283 $\pm$ 0.010 χ^2 /NDF: 3007497.4/17

34.182 $\pm$ 0.007 χ^2 /NDF: 6461871.9/38

34.084 $\pm$ 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: 42.430+/-257.176 χ^2/NDF : 0.0/0

Right Out: 8.682+/-81.026 χ^2/NDF : 11.1/19

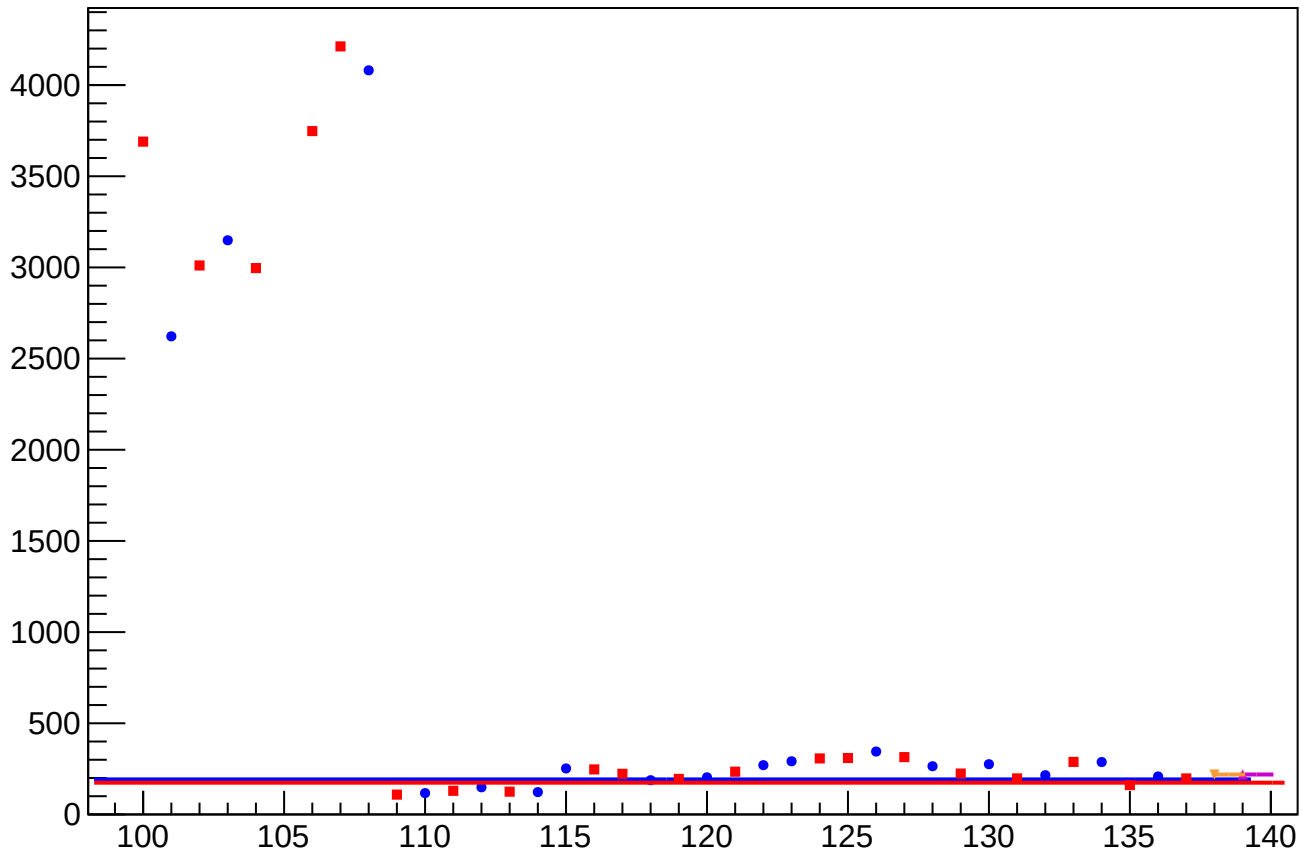
Left In: 435.747+/-261.193 χ^2/NDF : 0.0/0

80.027+/-83.892 χ^2/NDF : 12.6/17

61.736+/-56.882 χ^2/NDF : 26.2/38

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: 218.997+/-0.182 χ^2/NDF : 0.0/0

Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

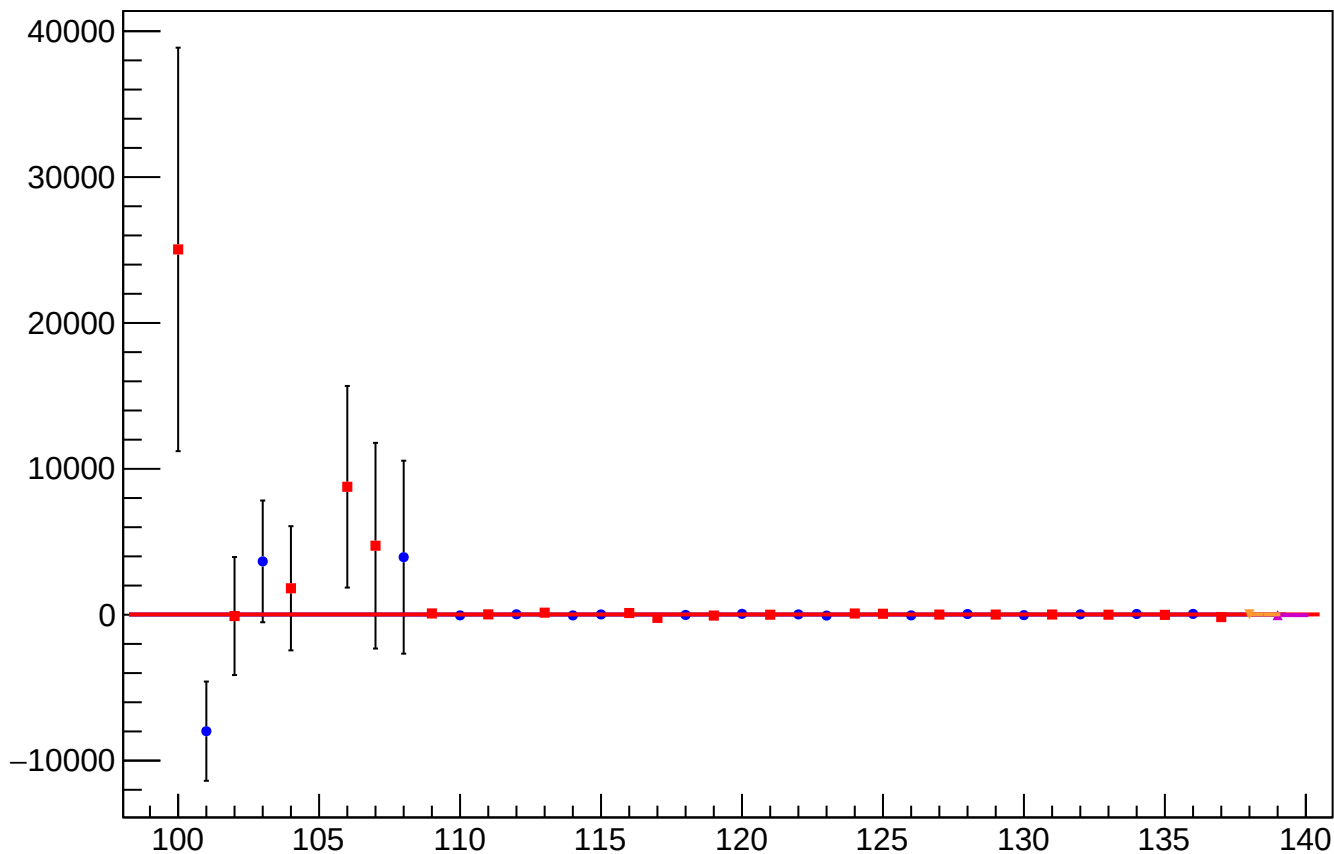
Left In: 219.204+/-0.185 χ^2/NDF : 0.0/0

195.031+/-0.059 χ^2/NDF : 3594053.7/17

185.931+/-0.040 χ^2/NDF : 7907446.4/38

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: 27.306+/-37.177 χ^2/NDF : 0.0/0

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

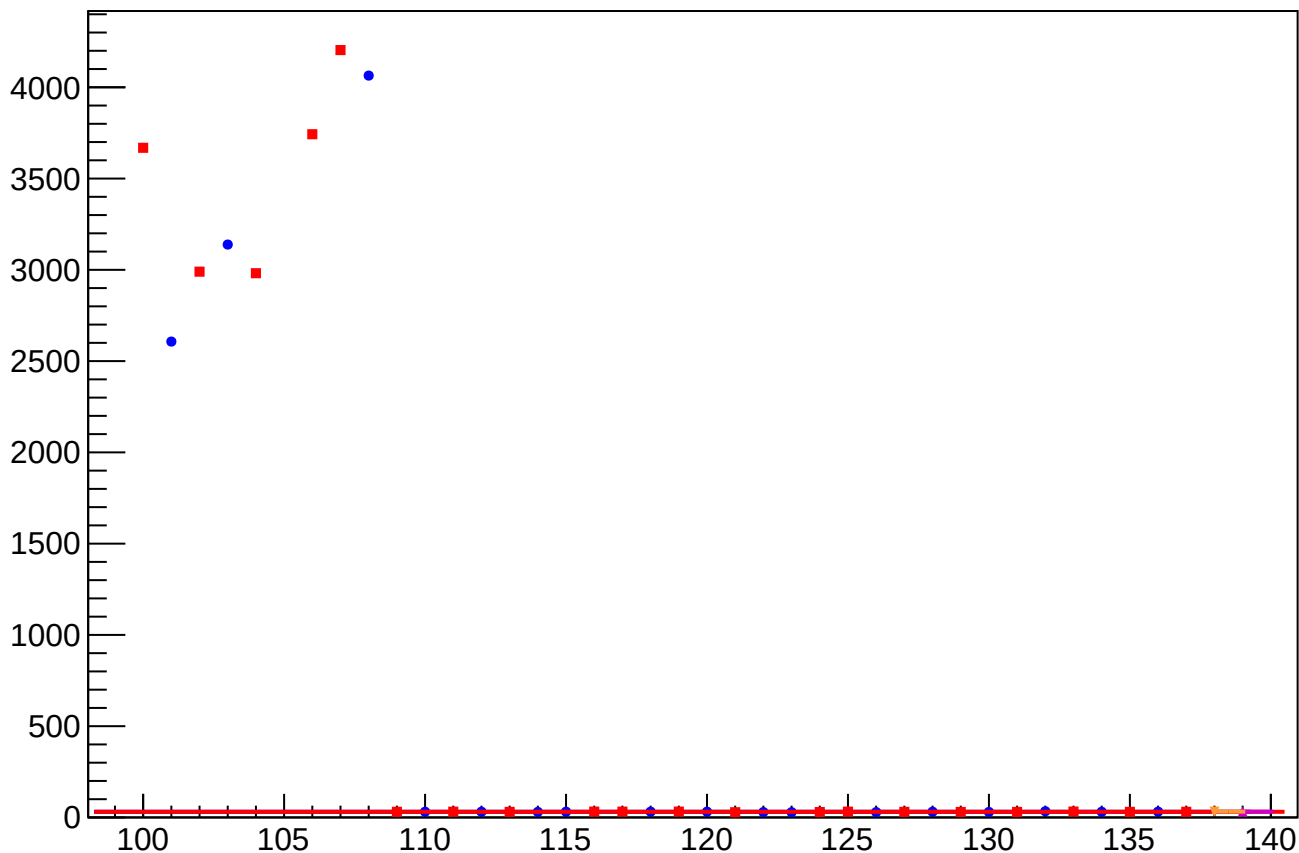
Left In: -28.279+/-37.565 χ^2/NDF : 0.0/0

14.496+/-12.874 χ^2/NDF : 14.8/17

14.777+/-9.075 χ^2/NDF : 46.7/38

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: 31.847+/-0.026 χ^2/NDF : 0.0/0

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

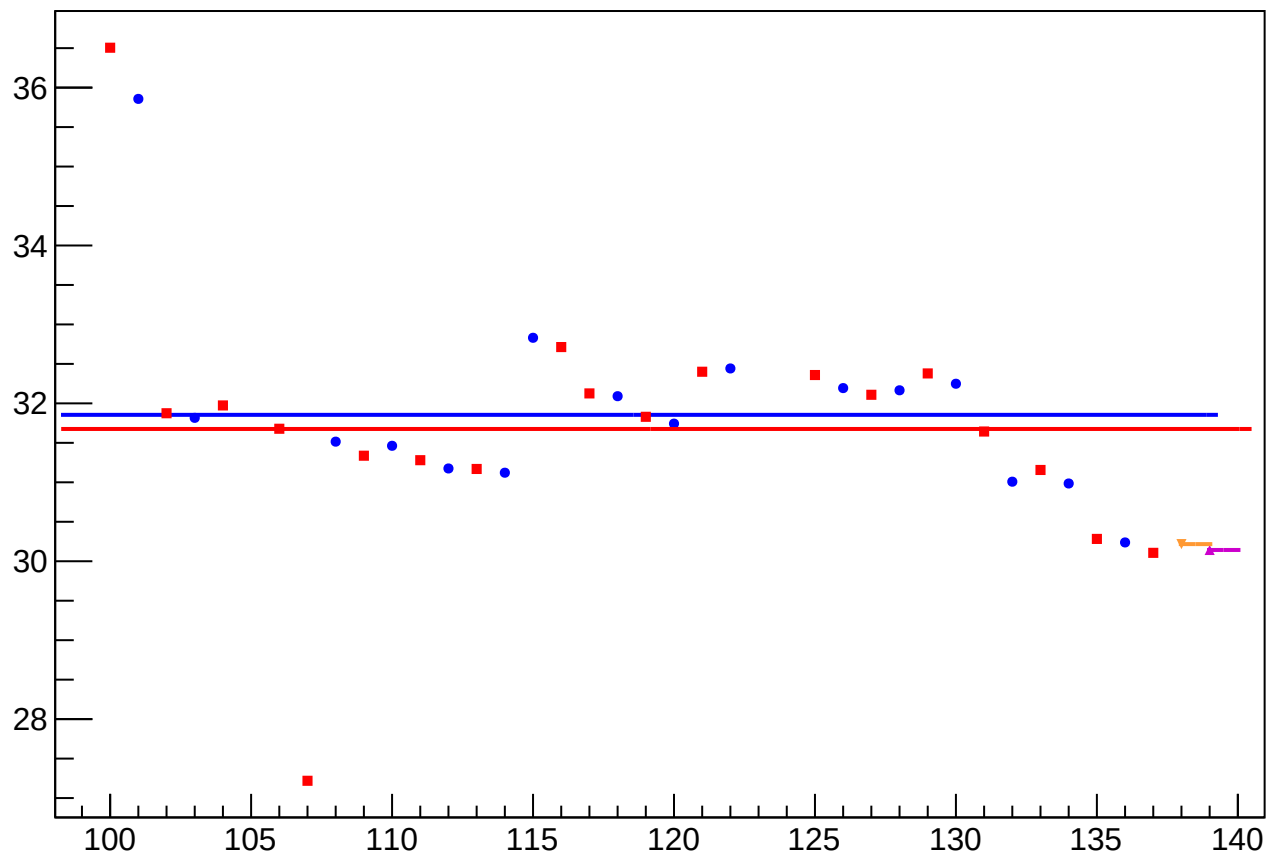
Left In: 31.901+/-0.027 χ^2/NDF : 0.0/0

31.236+/-0.009 χ^2/NDF : 3015128.8/17

31.157+/-0.006 χ^2/NDF : 6475365.4/38

31.078+/-0.009 χ^2/NDF : 3460084.3/20

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.217+/-0.000 χ^2/NDF : 0.0/0

Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

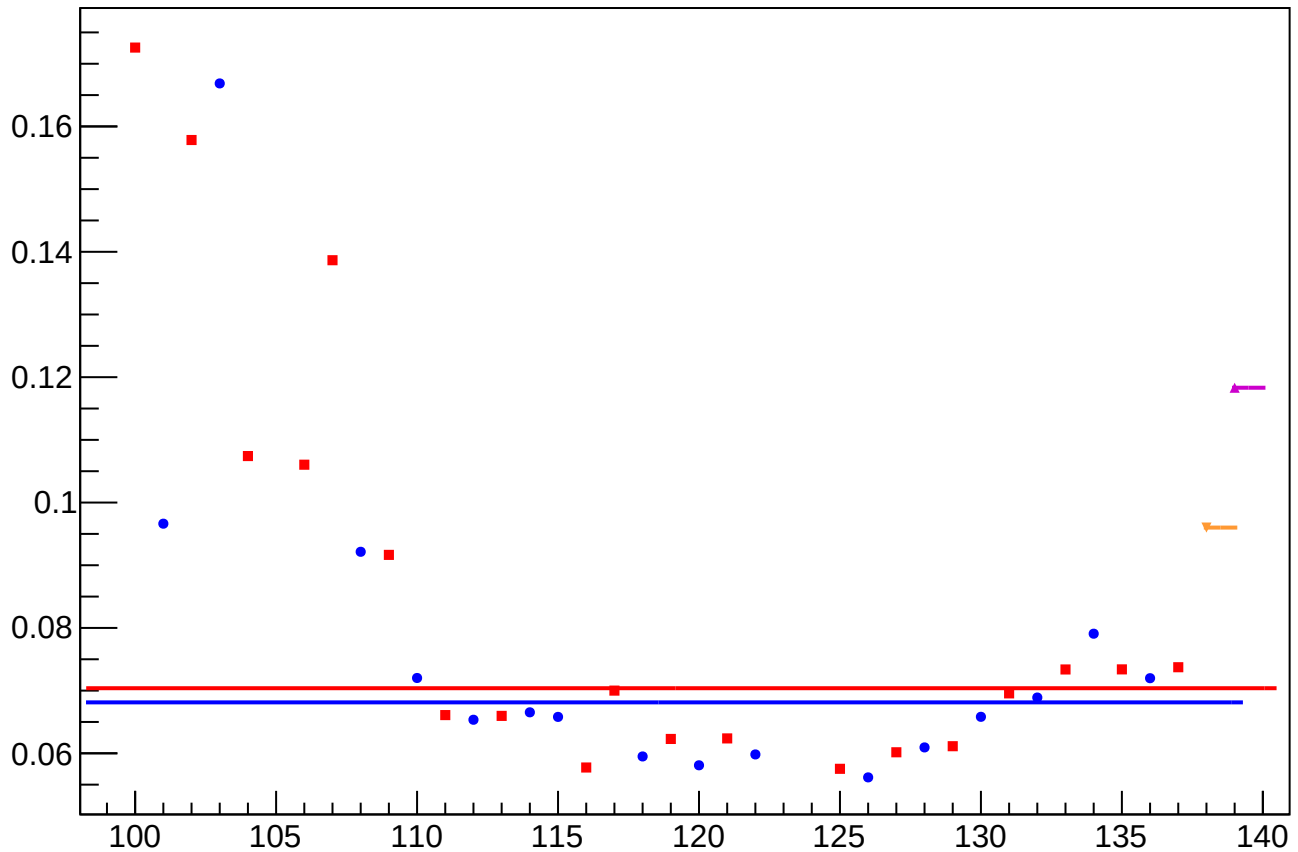
Left In: 30.143+/-0.000 χ^2/NDF : 0.0/0

31.764+/-0.000 χ^2/NDF : 1755447894.7/16

31.691+/-0.000 χ^2/NDF : 2801498199.8/3

31.615+/-0.000 χ^2/NDF : 1031812355.5/19

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.096 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841322.7/18

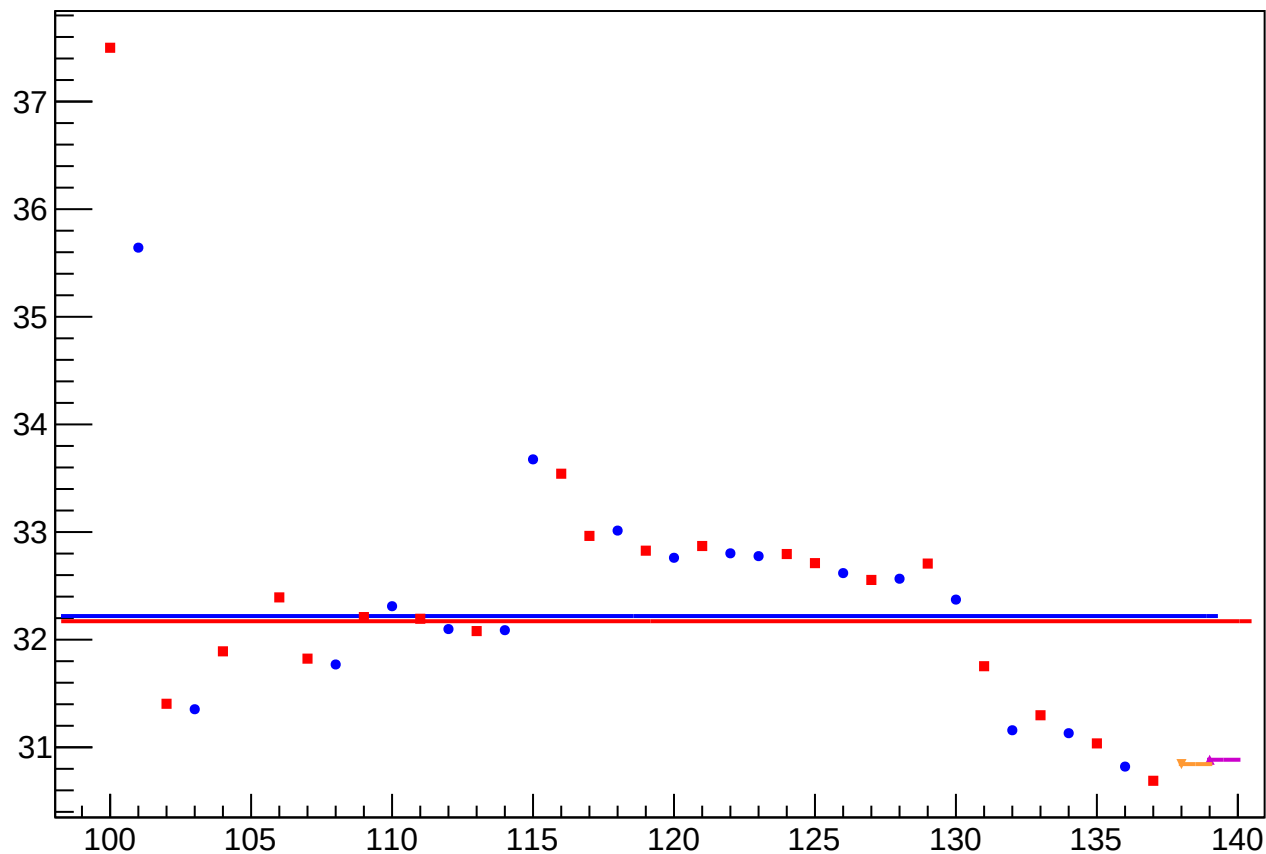
Left In: 0.118 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.070 $\pm$ 0.000 χ^2 /NDF: 737013.7/16

0.071 $\pm$ 0.000 χ^2 /NDF: 1806410.5/36

0.072 $\pm$ 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: 30.844+/-0.000 χ^2/NDF : 0.0/0

Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

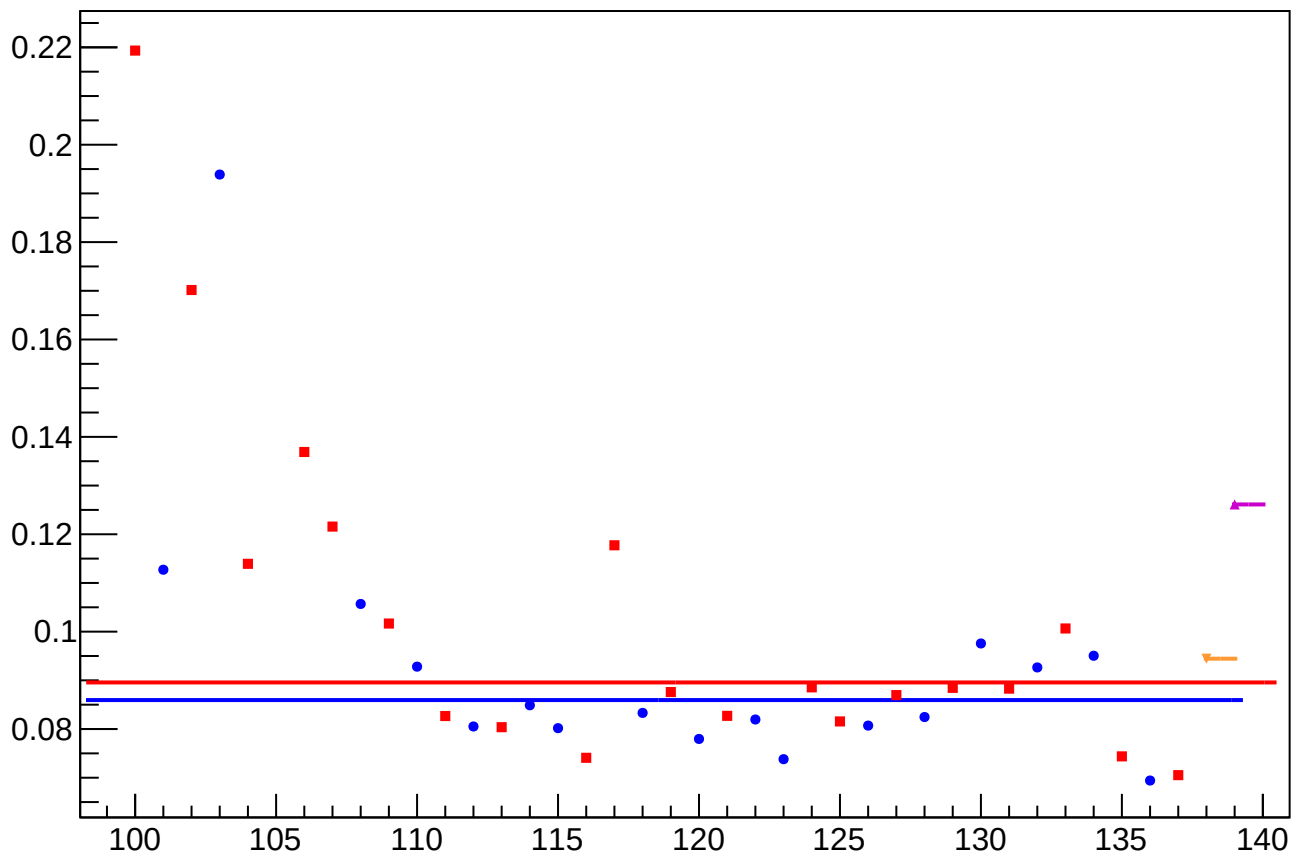
Left In: 30.884+/-0.000 χ^2/NDF : 0.0/0

32.101+/-0.000 χ^2/NDF : 1142014933.3/17

32.101+/-0.000 χ^2/NDF : 1655573370.7/3

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: 0.094 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 544516.7/19

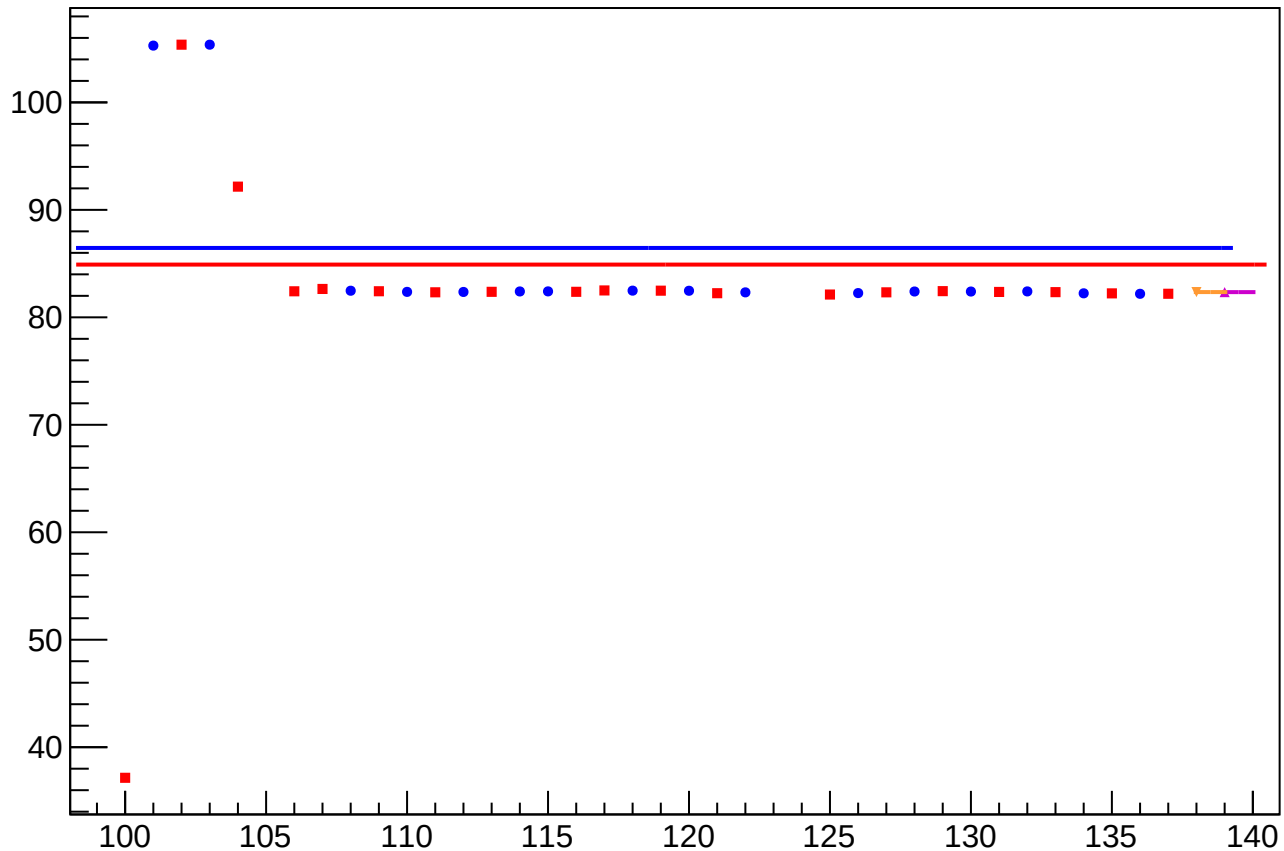
Left In: 0.126 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.087 $\pm$ 0.000 χ^2 /NDF: 563061.2/17

0.089 $\pm$ 0.000 χ^2 /NDF: 1239433.2/38

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: 82.350+/-0.000 χ^2/NDF : 0.0/0

Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

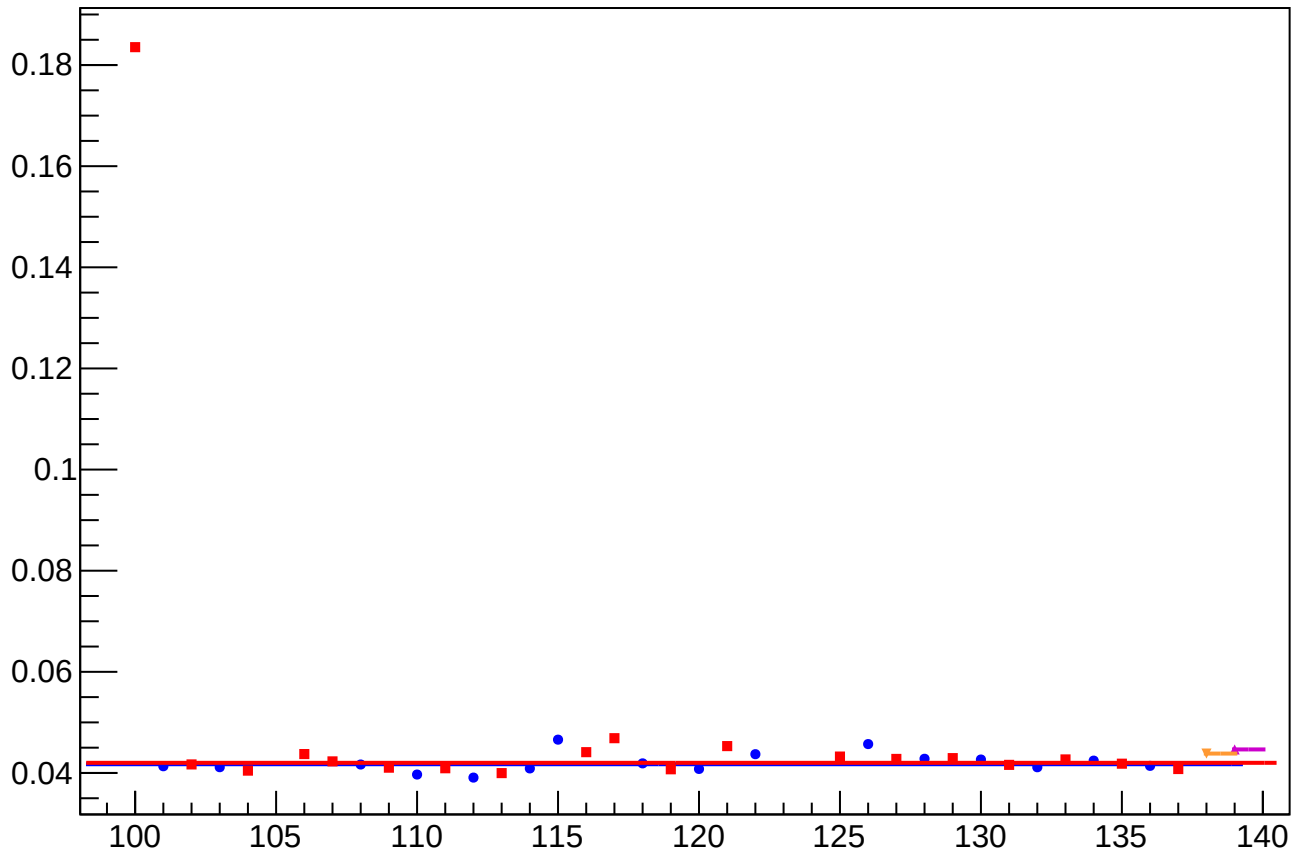
Left In: 82.346+/-0.000 χ^2/NDF : 0.0/0

86.082+/-0.000 χ^2/NDF : 297217862381.5/16

85.377+/-0.000 χ^2/NDF : 475739788950.9

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 : 0.0/0

Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

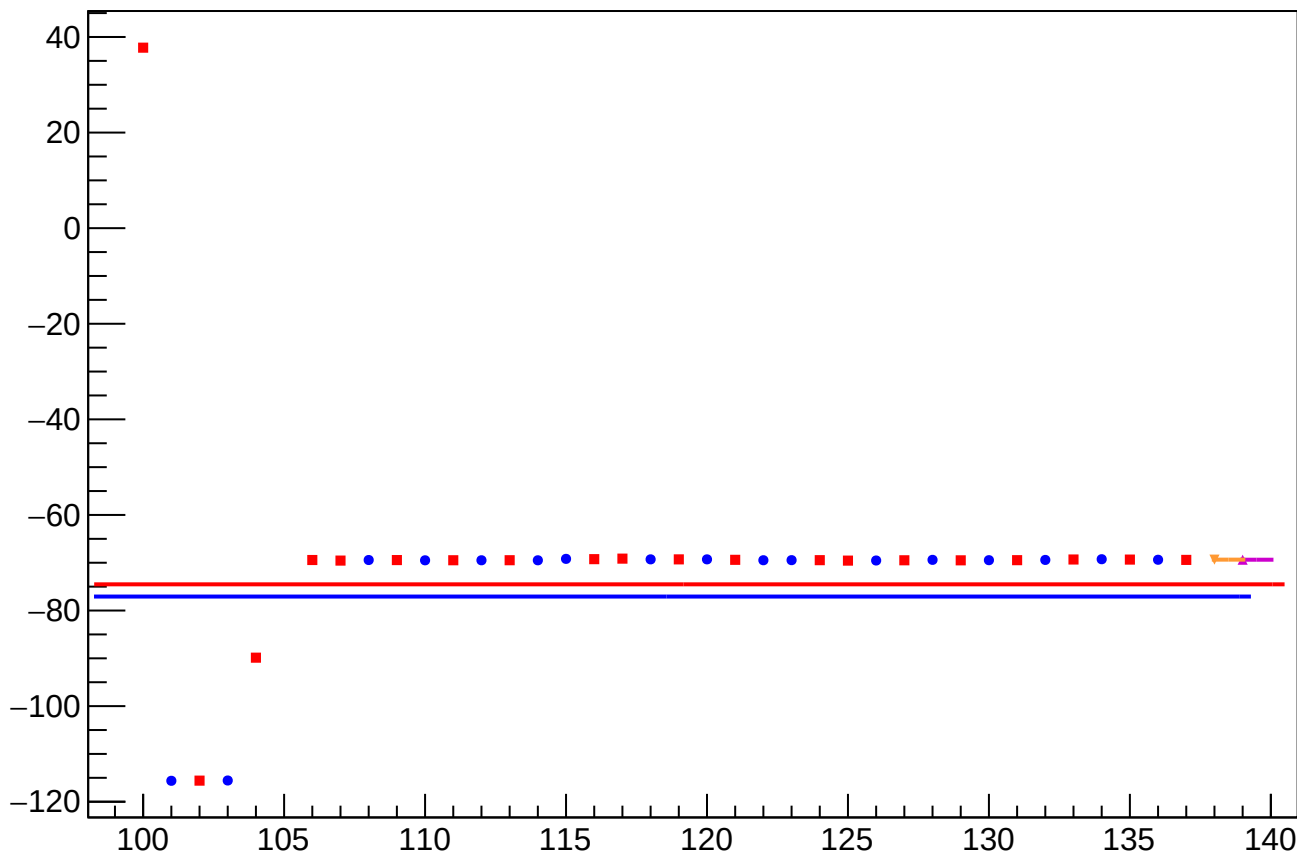
Left In: 0.045+/-0.000 χ^2/NDF : 0.0/0

0.042+/-0.000 χ^2/NDF : 21938.5/16

0.042+/-0.000 χ^2/NDF : 124723.2/36

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: -69.352+/-0.000 χ^2/NDF : 0.0/0

Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

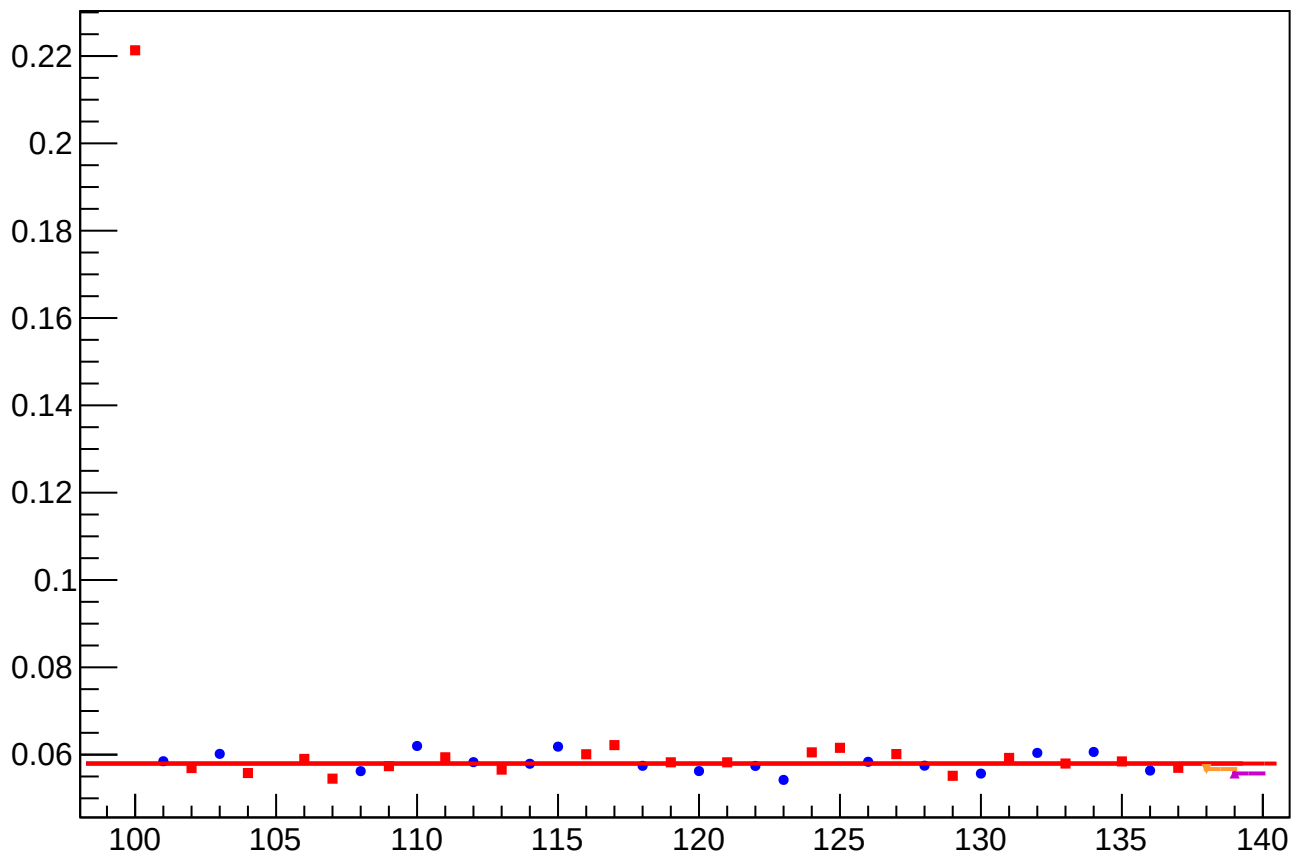
Left In: -69.368+/-0.000 χ^2/NDF : 0.0/0

-76.277+/-0.000 χ^2/NDF : 577176905029.3/17

-75.104+/-0.000 χ^2/NDF : 960479614248

-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 : 0.0/0

Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

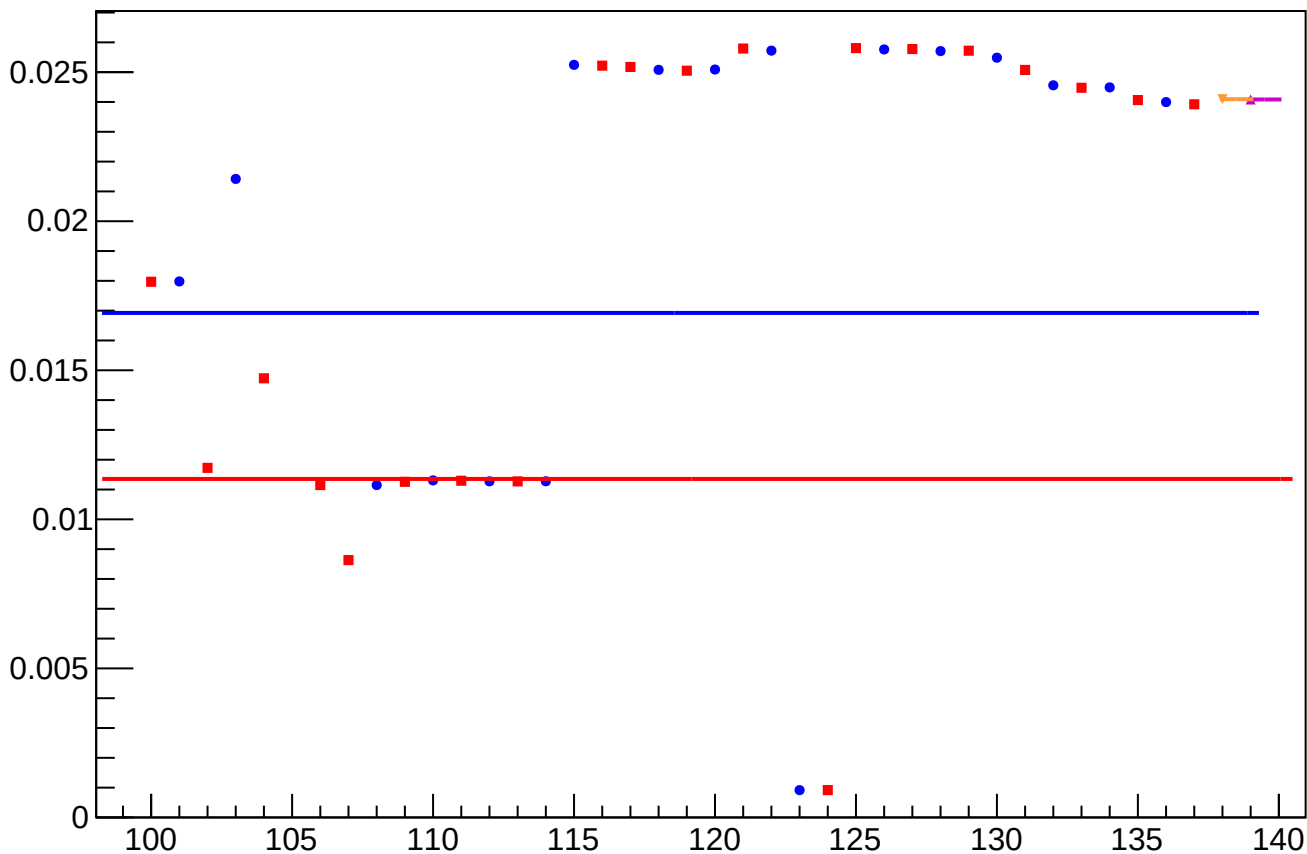
Left In: 0.056+/-0.000 χ^2/NDF : 0.0/0

0.058+/-0.000 χ^2/NDF : 12921.4/17

0.058+/-0.000 χ^2/NDF : 101907.7/38

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:0.0/0

0.017 $\pm$ 0.000 χ^2 /NDF: 132124044799.9/17

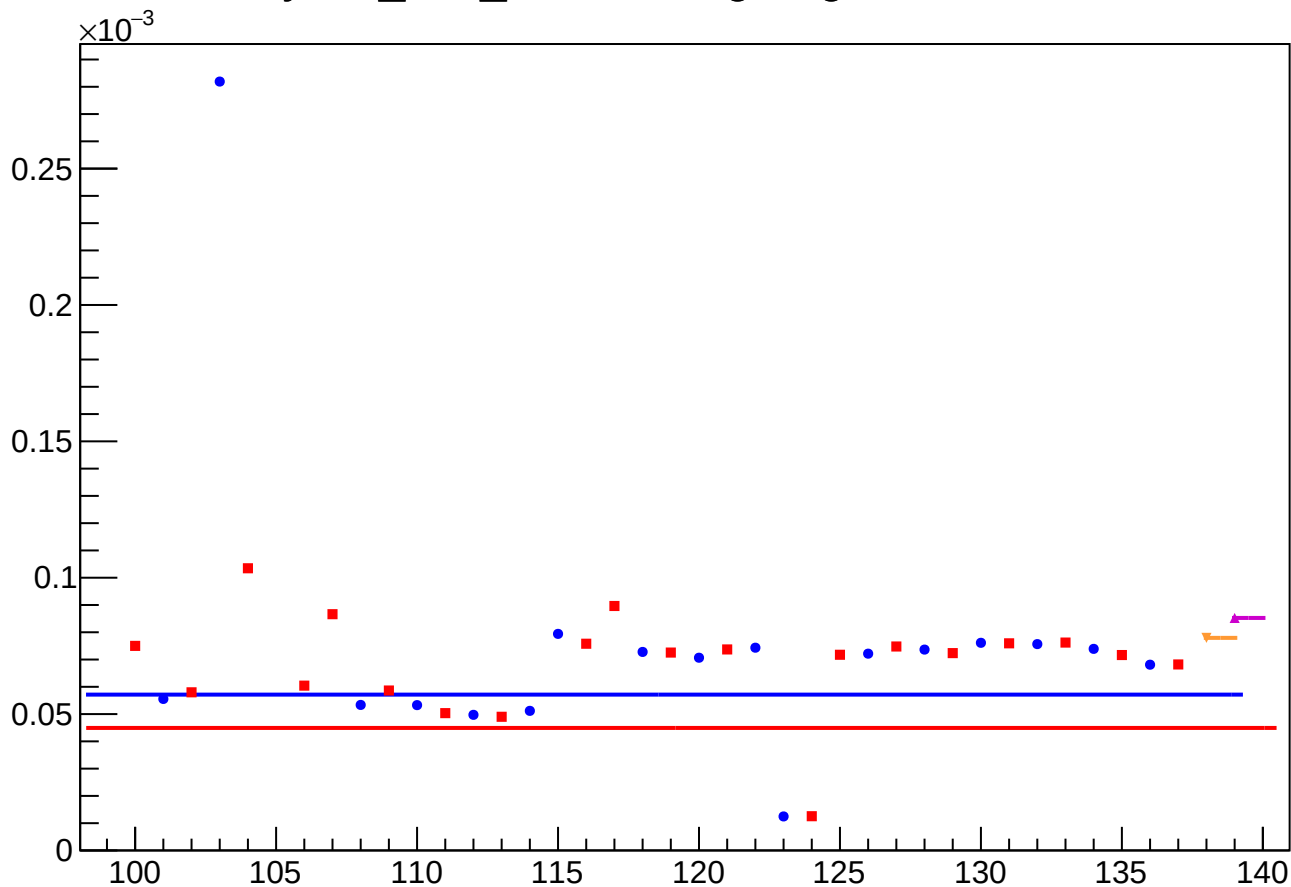
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.014 $\pm$ 0.000 χ^2 /NDF: 415176059373.1/19

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 : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

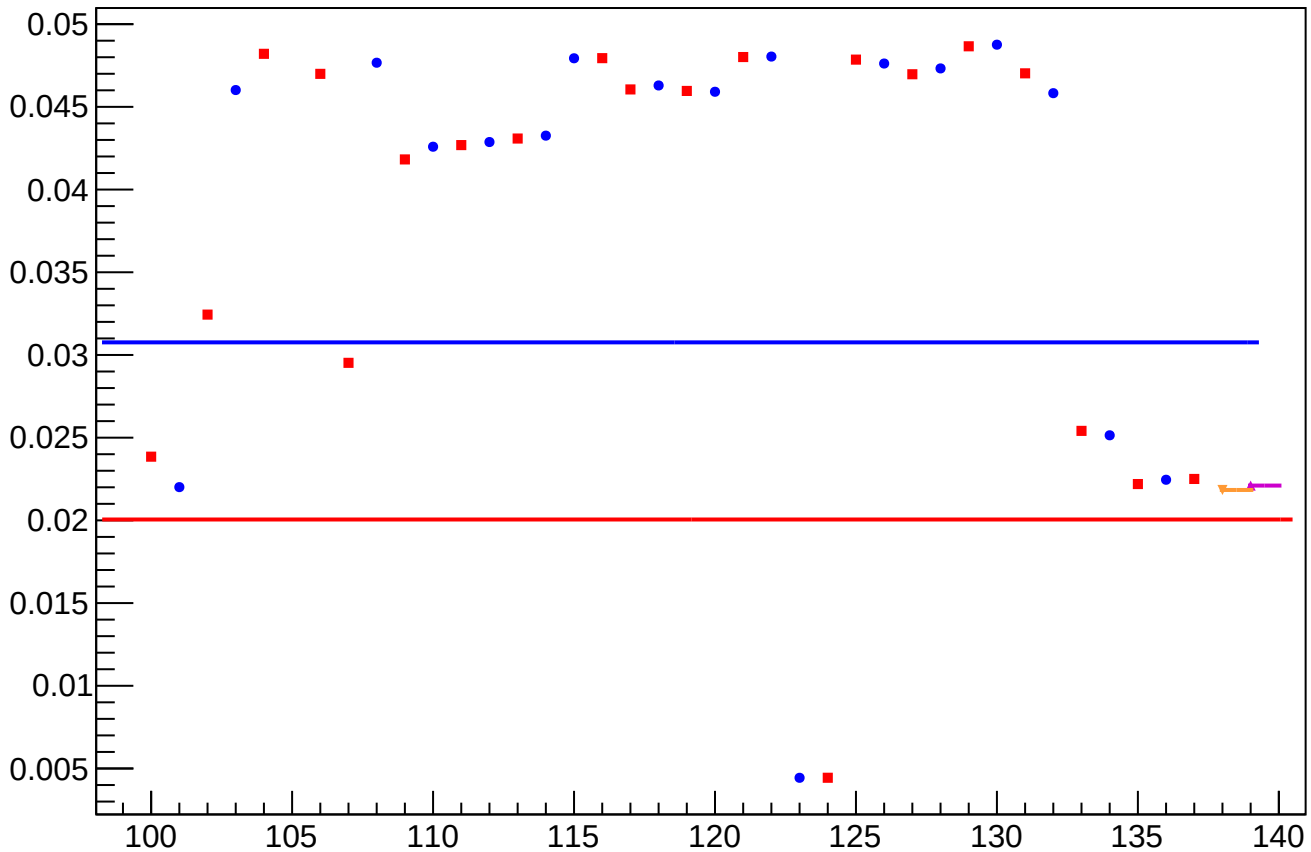
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 2096060.6/17

0.000+/-0.000 χ^2/NDF : 6315681.6/38

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: 0.022+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

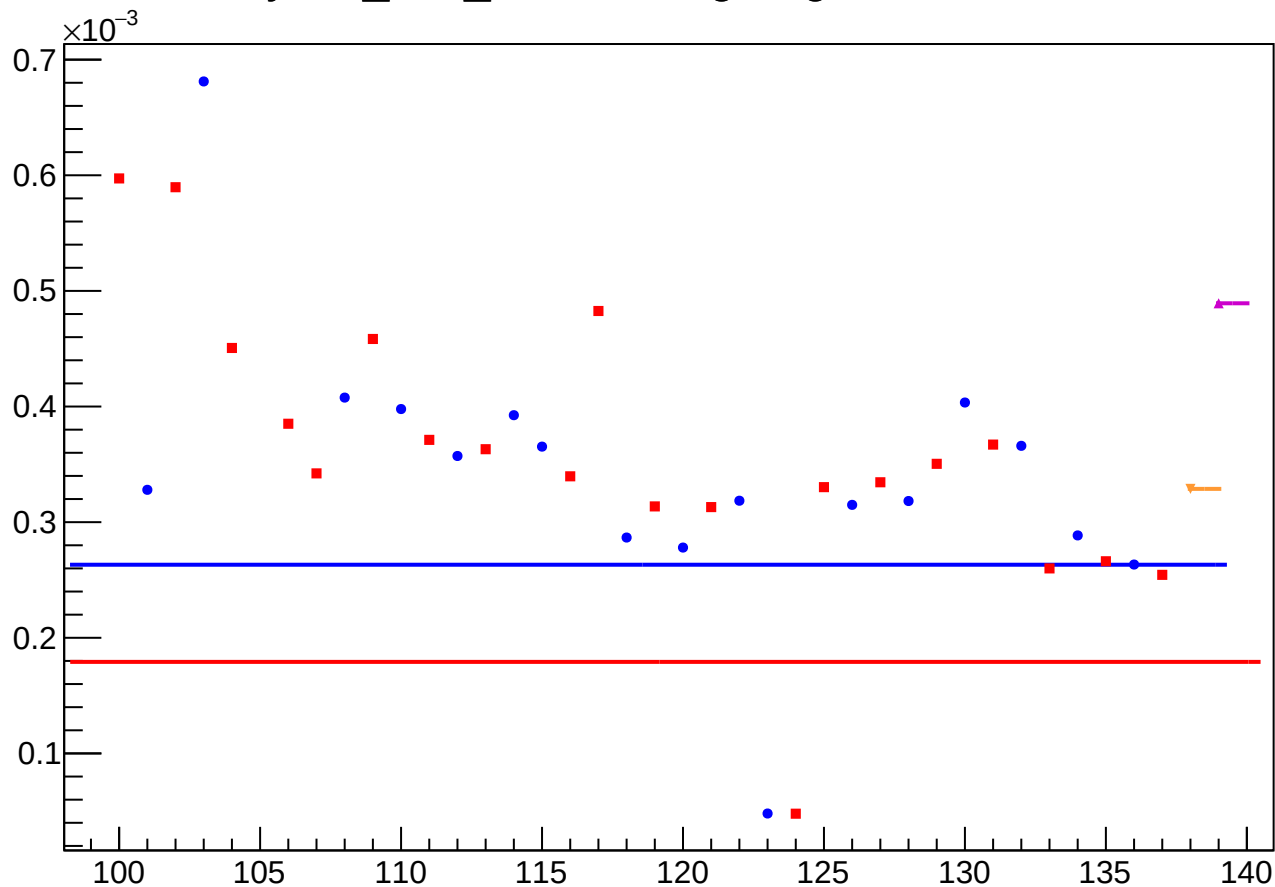
Left In: 0.022+/-0.000 χ^2/NDF : 0.0/0

0.030+/-0.000 χ^2/NDF : 21612175152.5/17

0.024+/-0.000 χ^2/NDF : 66413284495.7/3

0.020+/-0.000 χ^2/NDF : 40145710074.3/20

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 : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

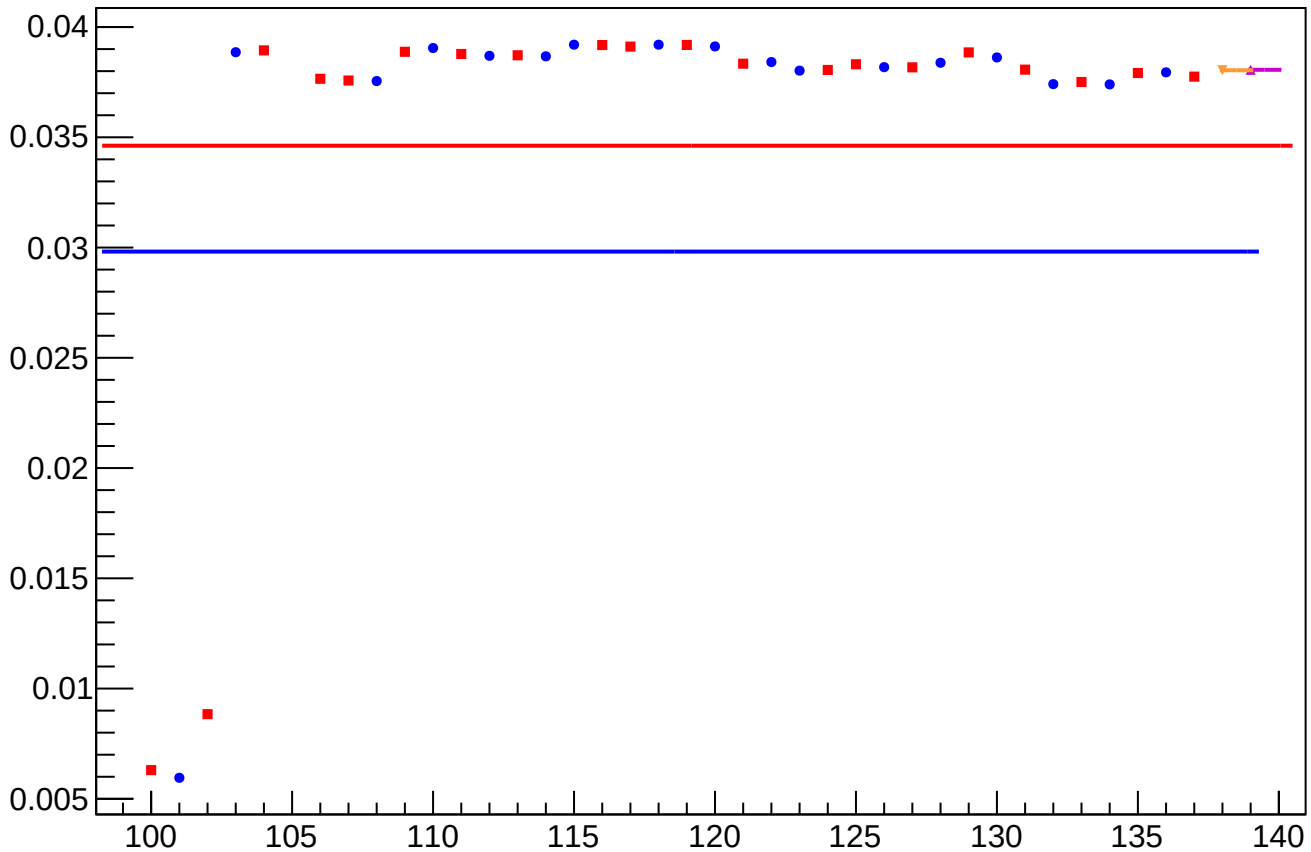
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 2448326.2/17

0.000+/-0.000 χ^2/NDF : 8996277.4/38

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 : 0.0/0

Right Out: 0.035+/-0.000 χ^2/NDF : 43717644957.2/19

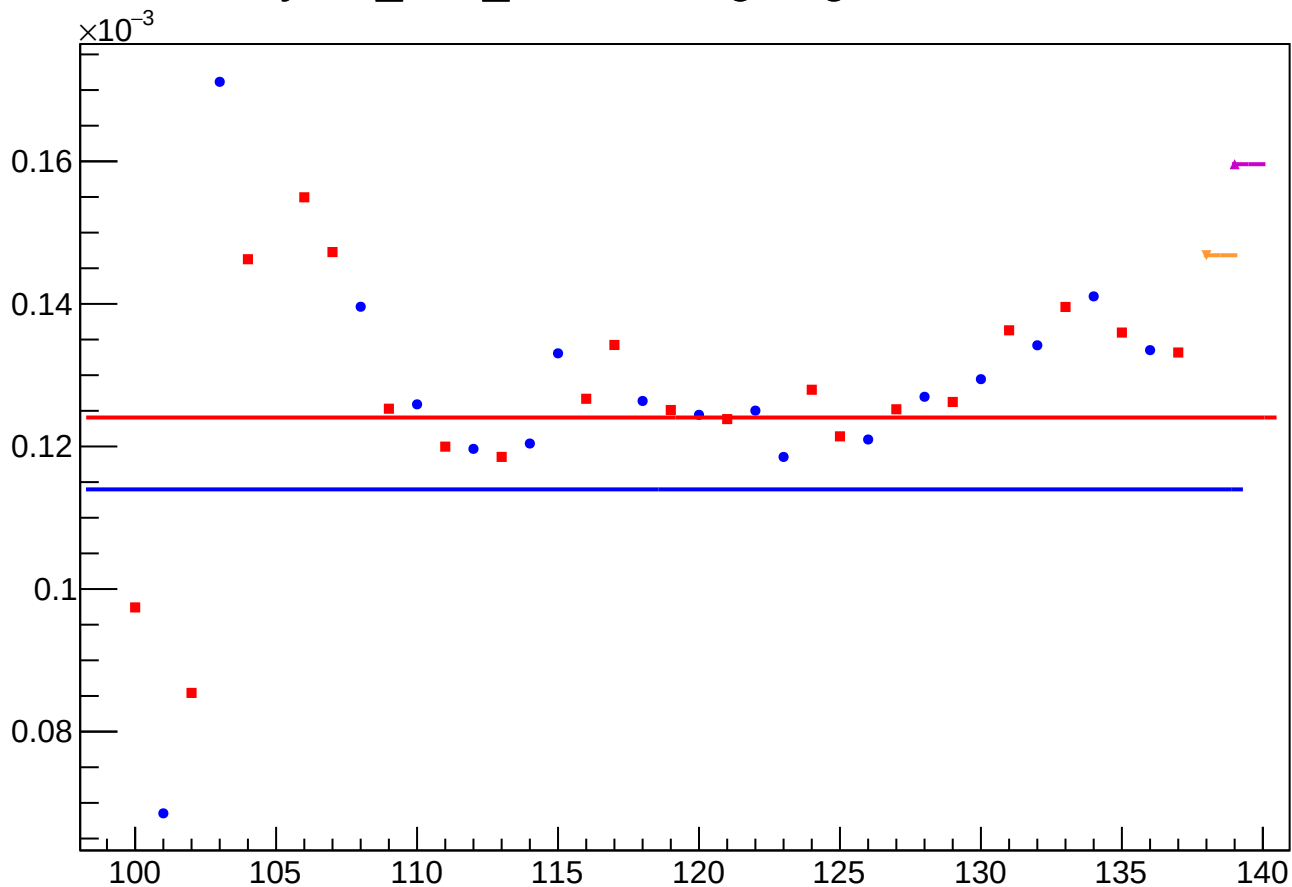
Left In: 0.038+/-0.000 χ^2/NDF : 0.0/0

0.030+/-0.000 χ^2/NDF : 99240403724.3/17

0.032+/-0.000 χ^2/NDF : 148103656870.7/17

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 : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

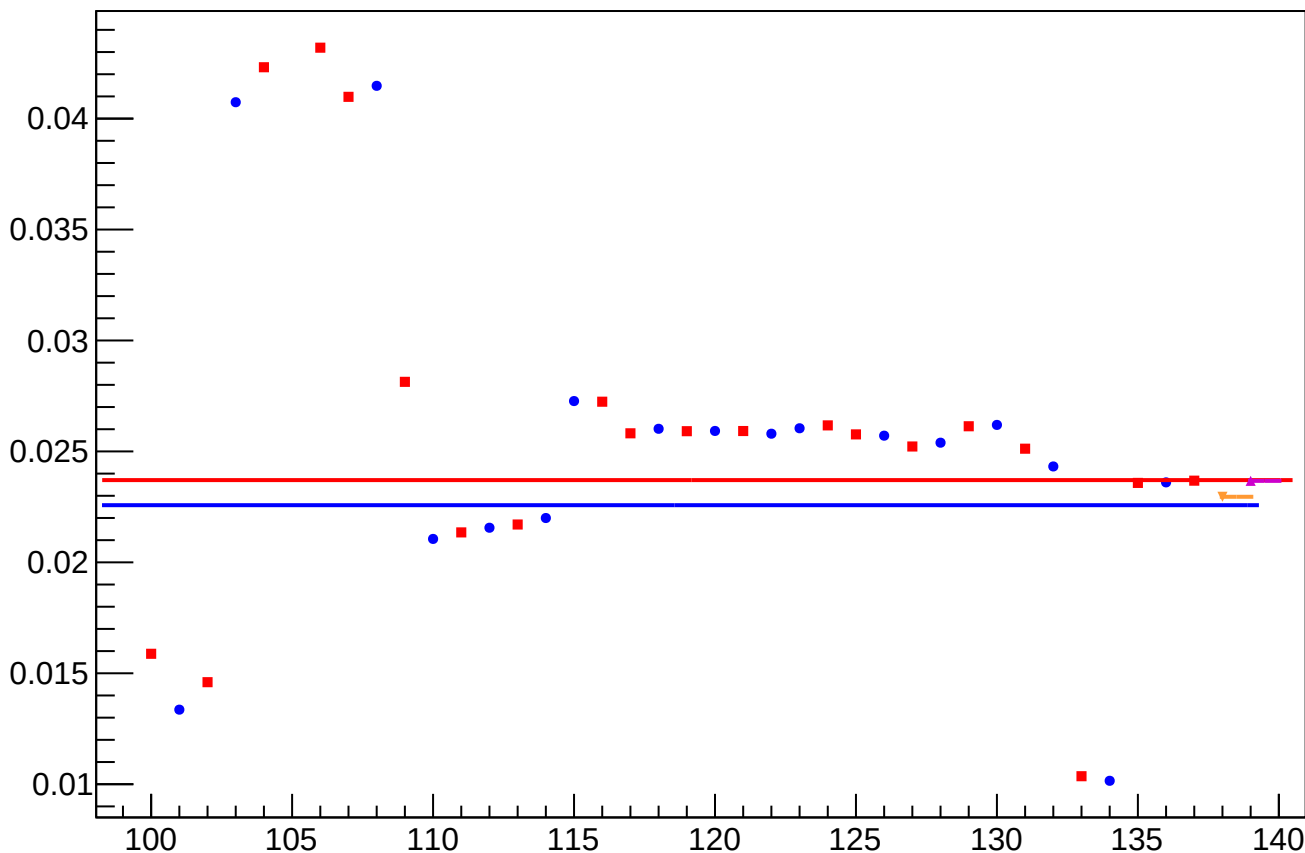
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 861172.1/17

0.000+/-0.000 χ^2/NDF : 1222506.5/38

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 :0.0/0

Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

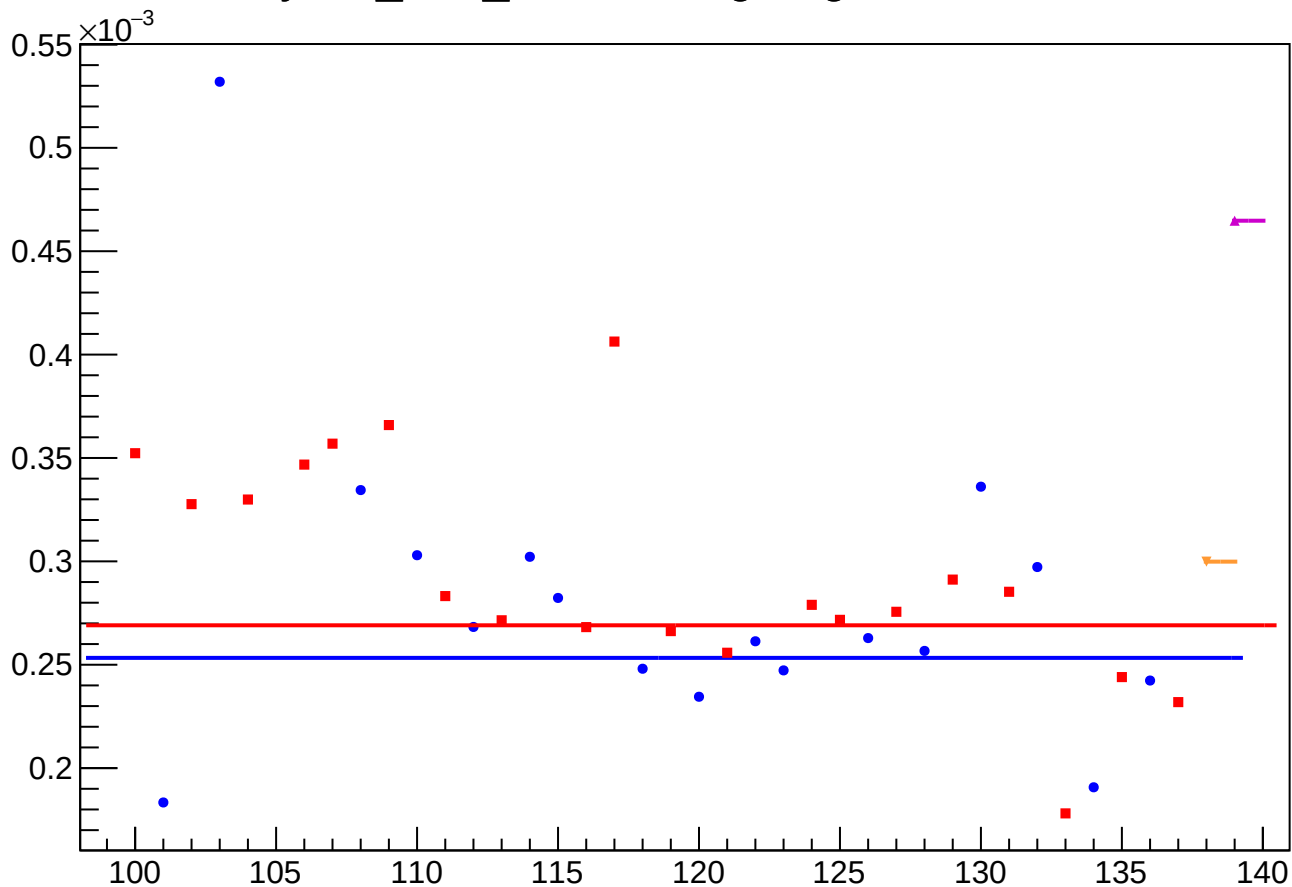
Left In: 0.024+/-0.000 χ^2/NDF :0.0/0

0.023+/-0.000 χ^2/NDF : 4248711941.9/17

0.023+/-0.000 χ^2/NDF : 9957538274.8/38

0.024+/-0.000 χ^2/NDF : 5652509090.3/20

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 629159.2/16

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

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 437710.5/19

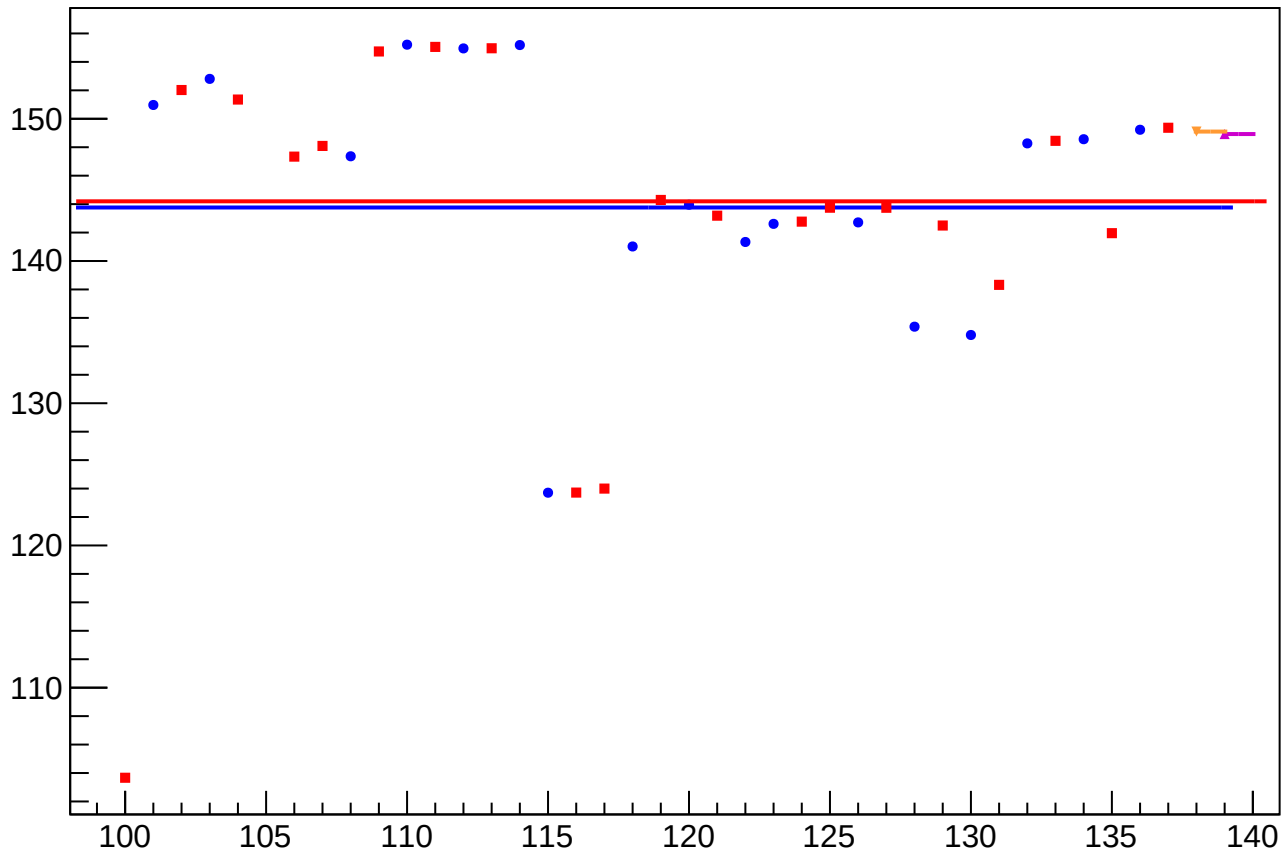
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 657464.5/17

0.000 $\pm$ 0.000 χ^2 /NDF: 1370084.6/38

0.000 $\pm$ 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: 149.101 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 144.197 $\pm$ 0.000 χ^2 /NDF: 4523139755.0/19

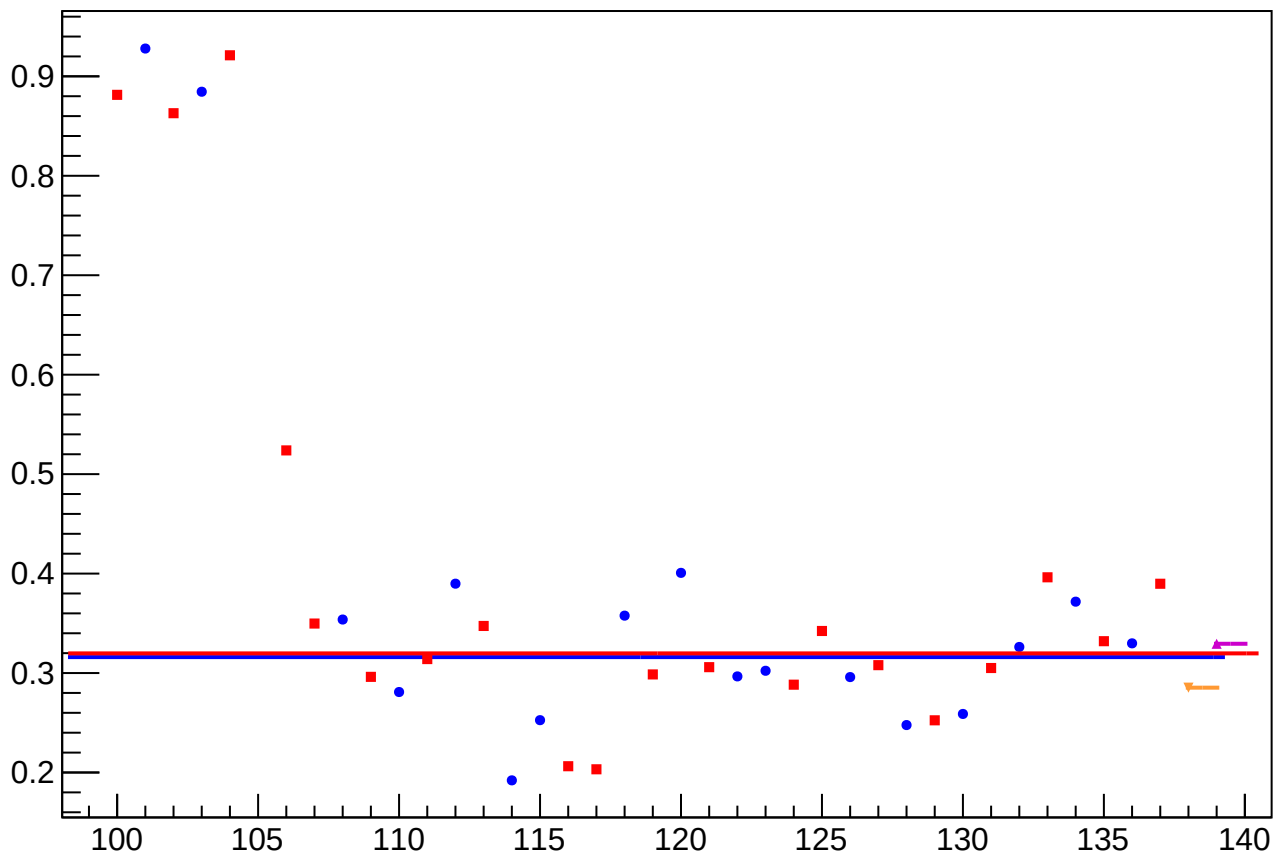
Left In: 148.927 $\pm$ 0.000 χ^2 /NDF: 0.0/0

144.489 $\pm$ 0.000 χ^2 /NDF: 3750191626.8/17

144.581 $\pm$ 0.000 χ^2 /NDF: 8404290977.2/17

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: 0.285+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

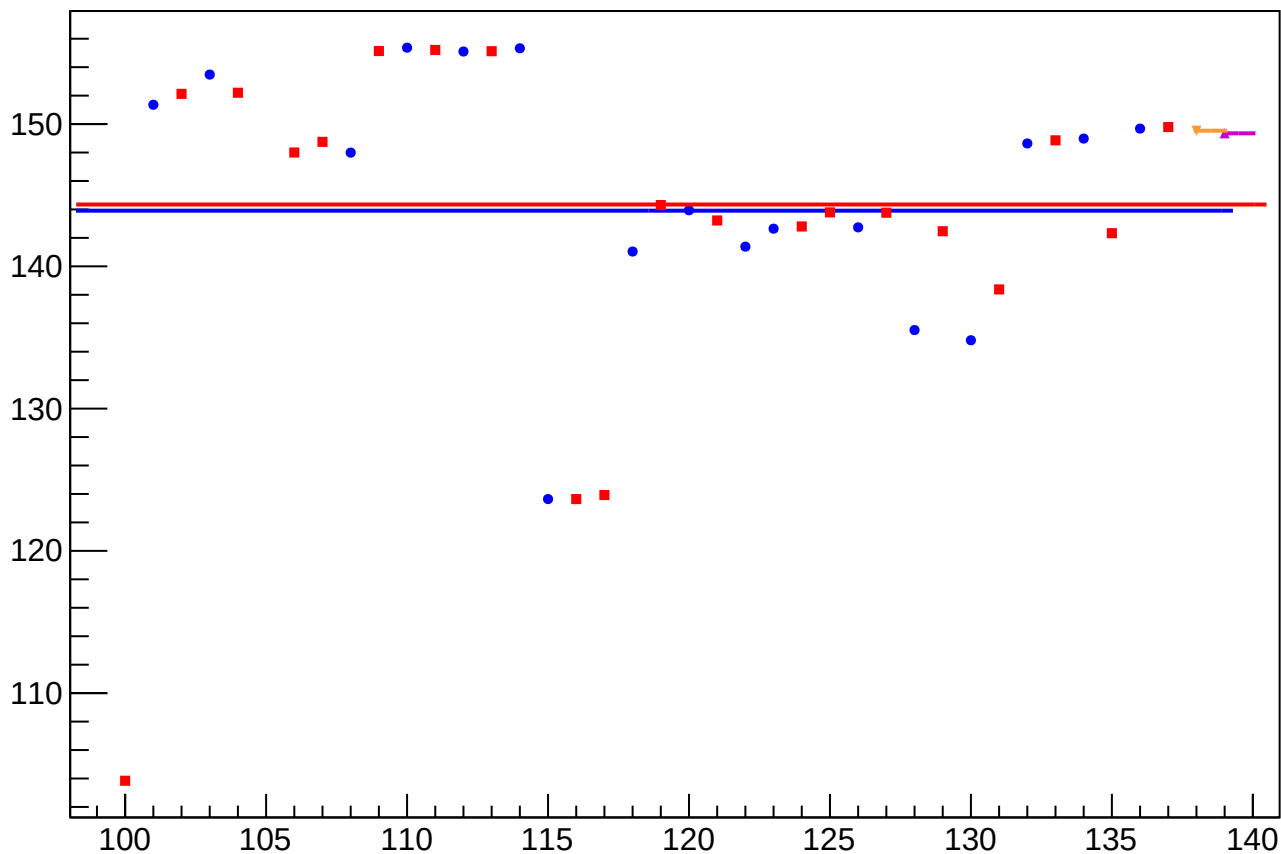
Left In: 0.329+/-0.000 χ^2/NDF : 0.0/0

0.312+/-0.000 χ^2/NDF : 1280205.8/17

0.316+/-0.000 χ^2/NDF : 2528112.2/38

0.321+/-0.000 χ^2/NDF : 1242837.3/20

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912+/-0.000 χ^2/NDF : 3587769790.2/16

Left Out: 149.535+/-0.000 χ^2/NDF : 0.0/0

Right Out: 144.347+/-0.000 χ^2/NDF : 4550581147.9/19

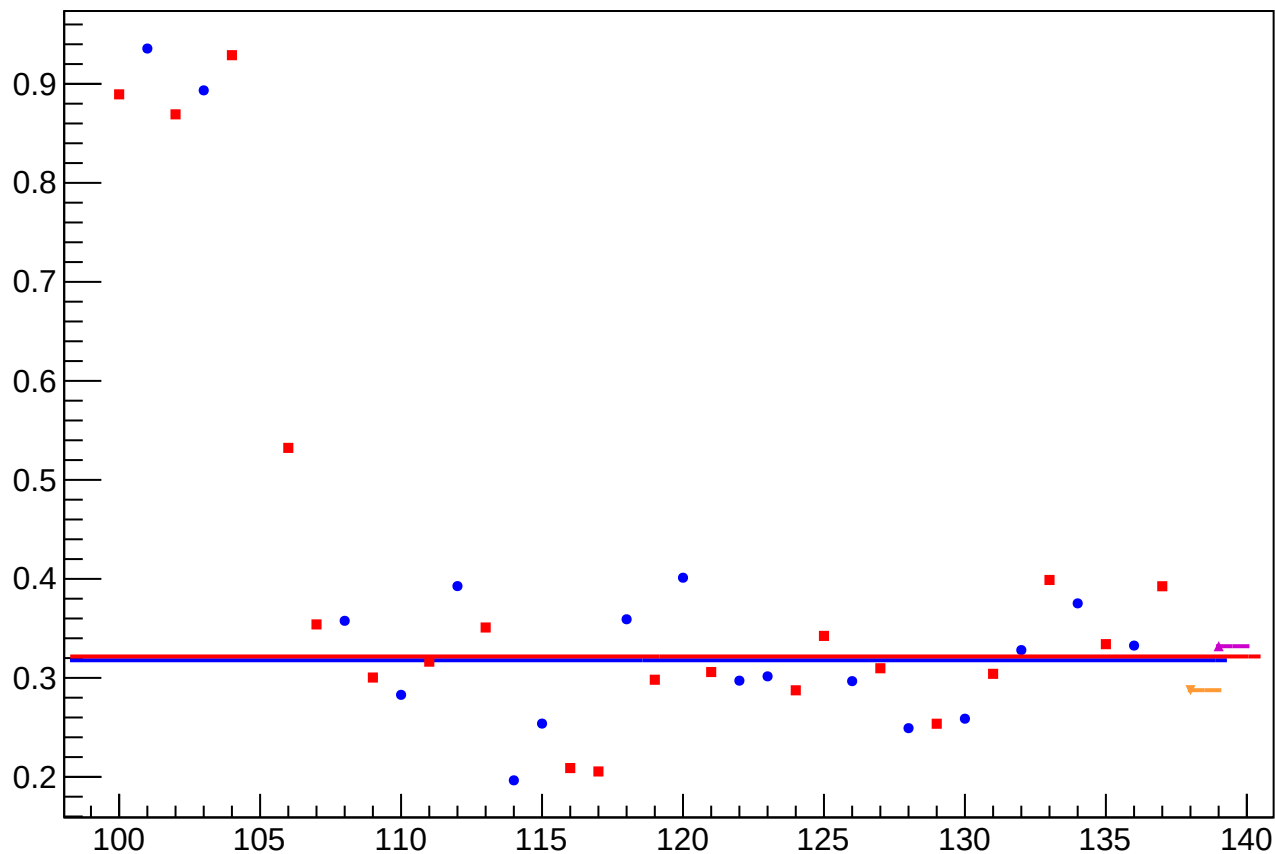
Left In: 149.351+/-0.000 χ^2/NDF : 0.0/0

144.674+/-0.000 χ^2/NDF : 3823263391.5/17

144.761+/-0.000 χ^2/NDF : 8517984887.3/17

144.850+/-0.000 χ^2/NDF : 4693735513.1/20

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.288+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.322+/-0.000 χ^2/NDF : 1244304.0/19

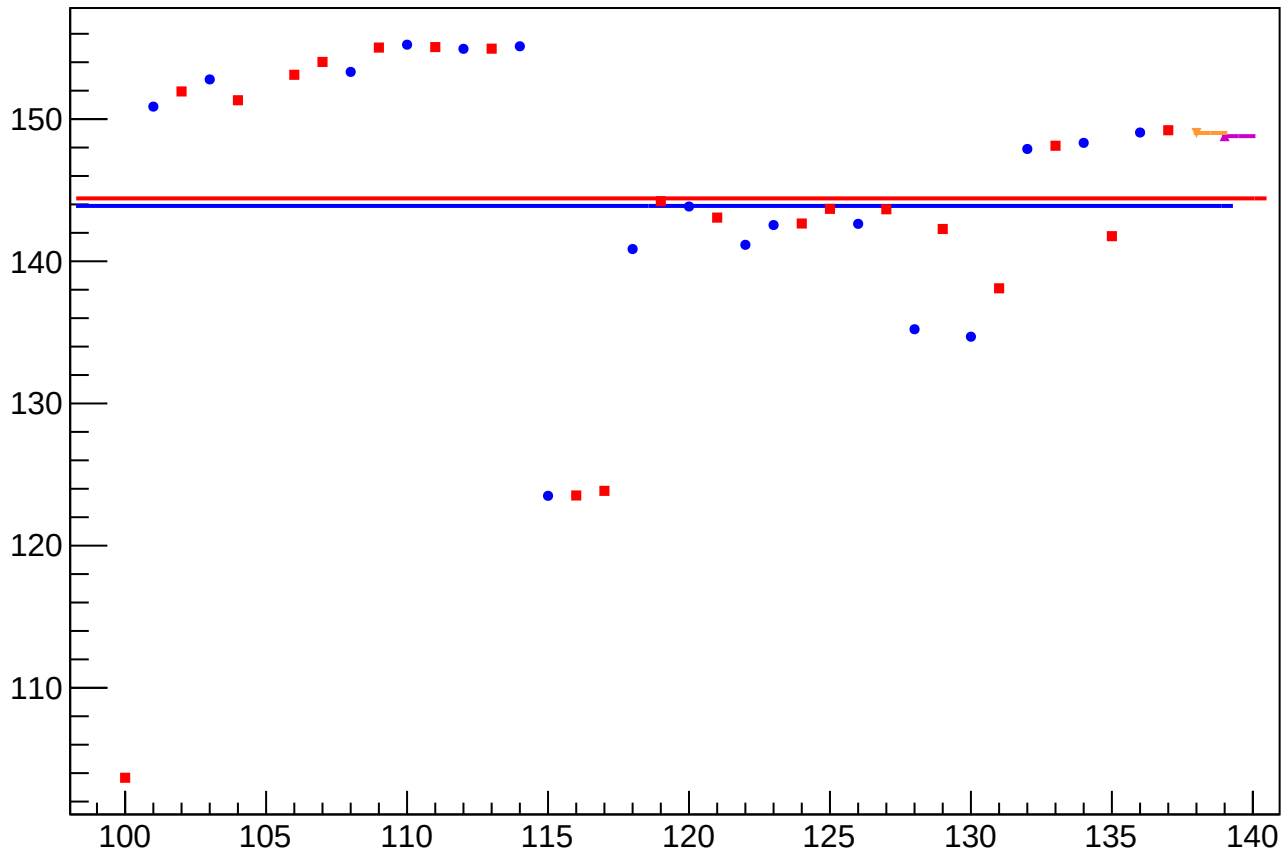
Left In: 0.332+/-0.000 χ^2/NDF : 0.0/0

0.314+/-0.000 χ^2/NDF : 1281862.9/17

0.318+/-0.000 χ^2/NDF : 2532488.4/38

0.323+/-0.000 χ^2/NDF : 1245529.8/20

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 149.026+/-0.000 χ^2/NDF : 0.0/0

Right Out: 144.423+/-0.000 χ^2/NDF : 4819194675.6/19

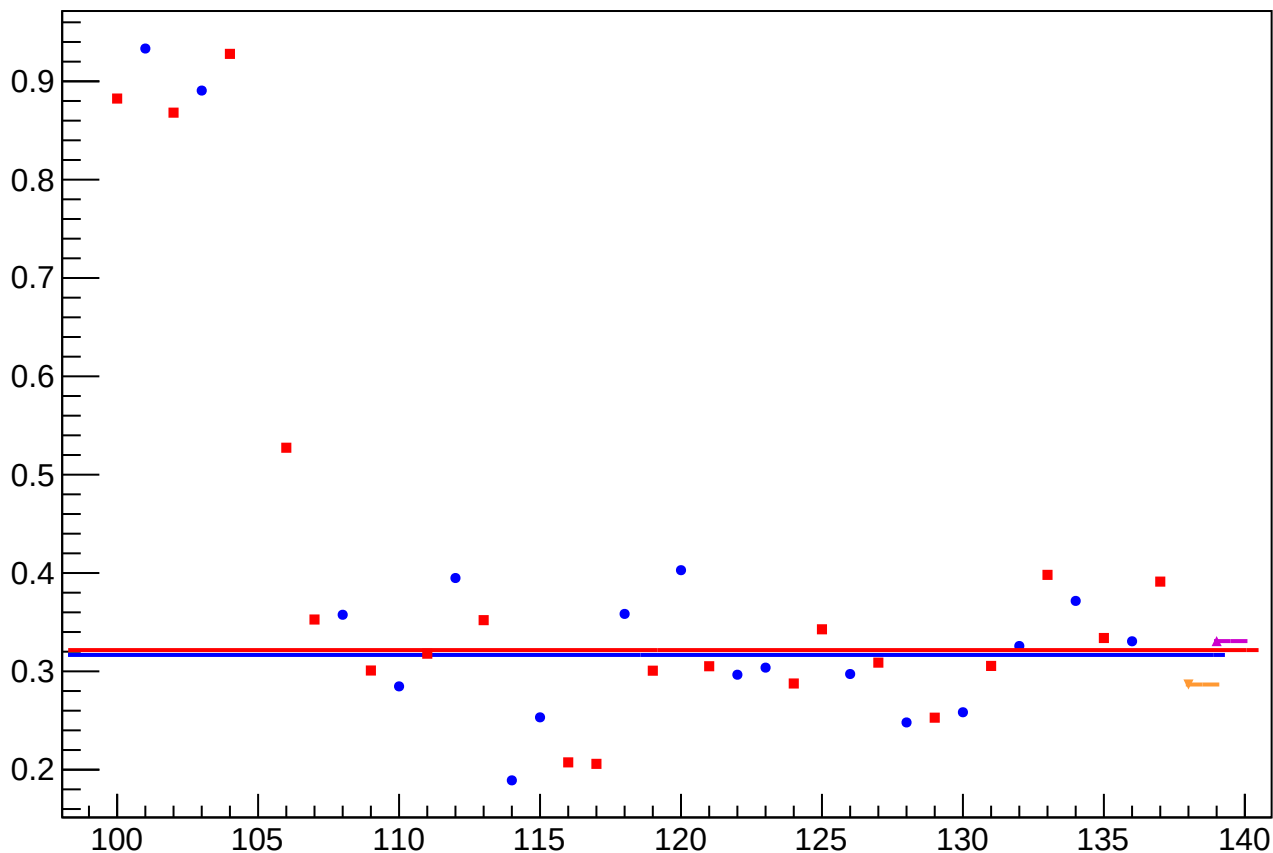
Left In: 148.802+/-0.000 χ^2/NDF : 0.0/0

144.589+/-0.000 χ^2/NDF : 3950085862.8/17

144.727+/-0.000 χ^2/NDF : 8882100686.6/18

144.867+/-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: 0.287 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1244671.1/19

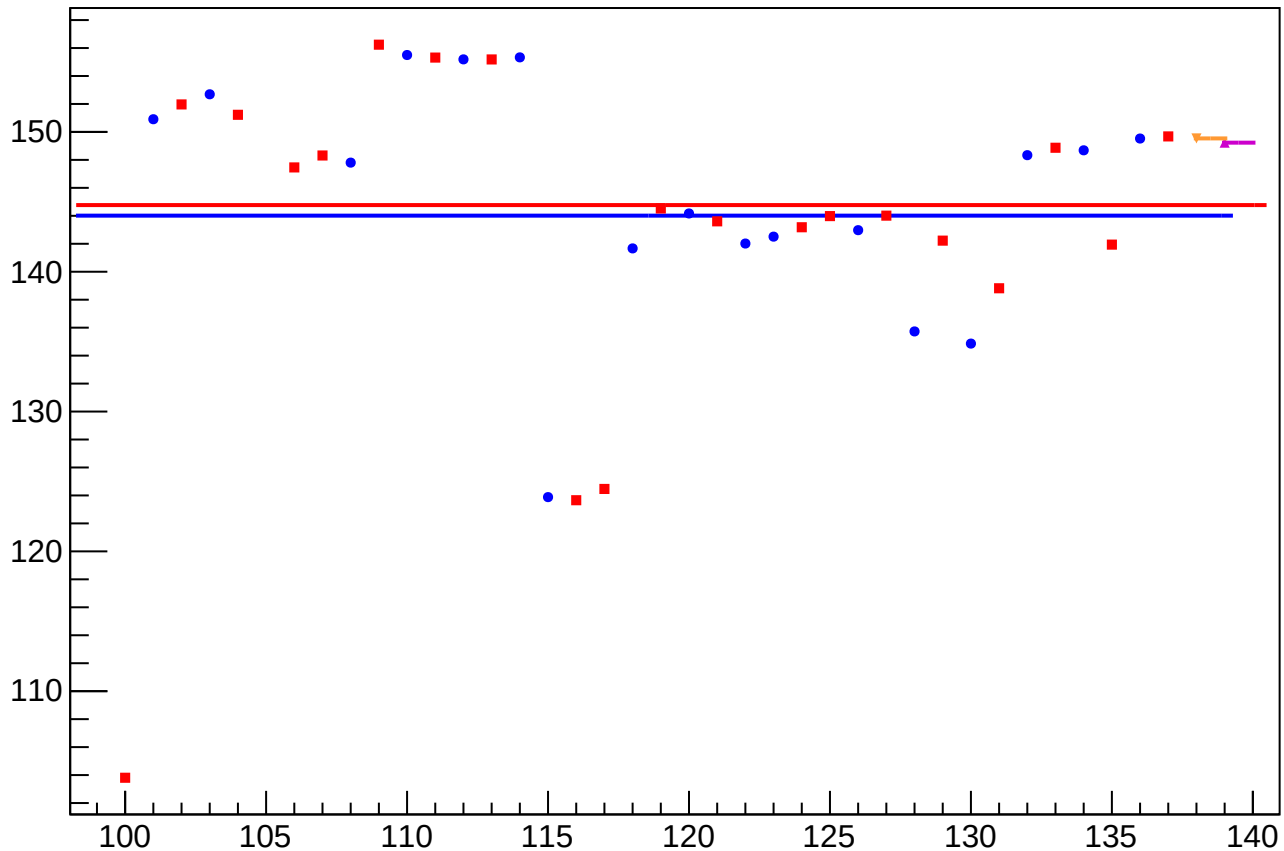
Left In: 0.331 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.313 $\pm$ 0.000 χ^2 /NDF: 1293915.2/17

0.318 $\pm$ 0.000 χ^2 /NDF: 2545819.4/38

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: 149.536 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

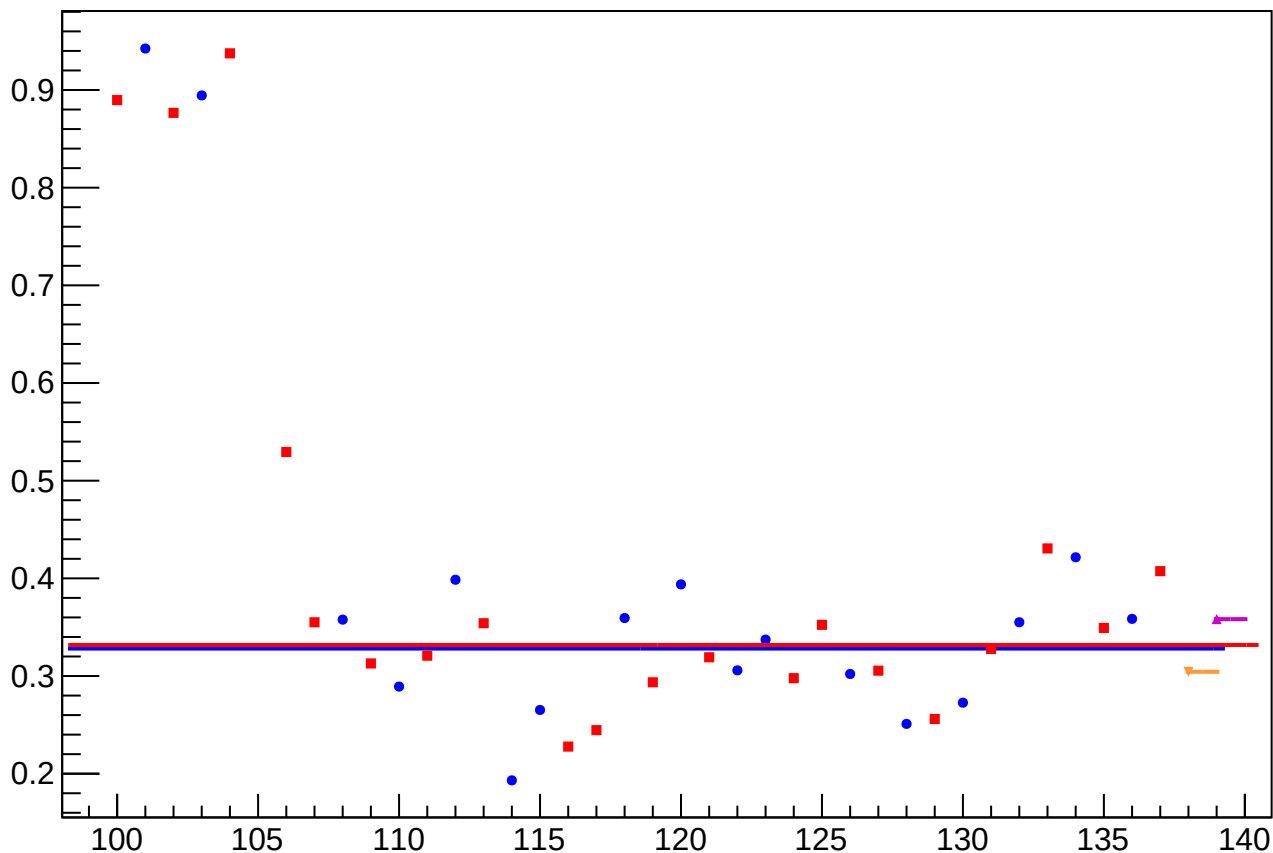
Left In: 149.232 $\pm$ 0.000 χ^2 /NDF: 0.0/0

144.723 $\pm$ 0.000 χ^2 /NDF: 3443218787.6/17

144.950 $\pm$ 0.000 χ^2 /NDF: 7644493724.4/18

145.177 $\pm$ 0.000 χ^2 /NDF: 4195205388.6/20

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.304+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.332+/-0.000 χ^2/NDF : 1194167.8/19

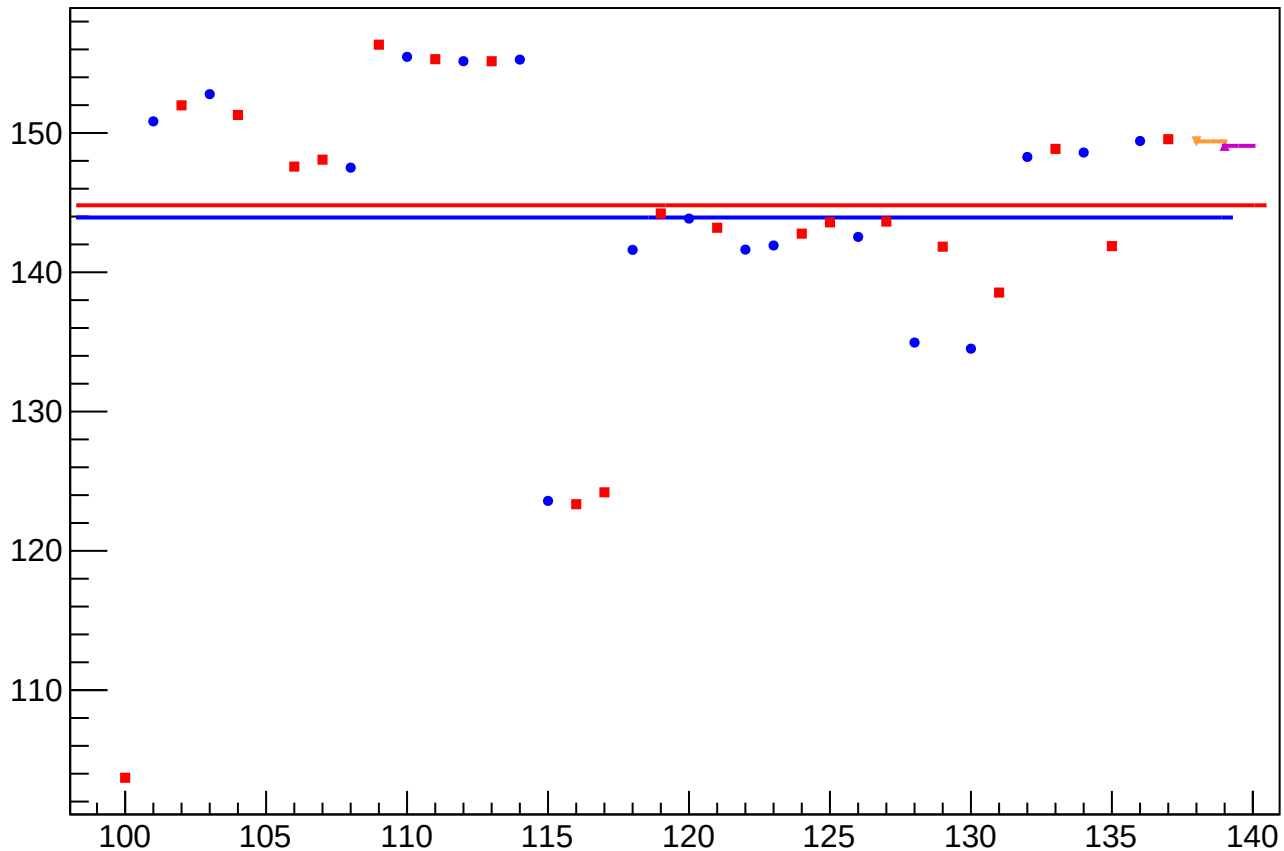
Left In: 0.358+/-0.000 χ^2/NDF : 0.0/0

0.325+/-0.000 χ^2/NDF : 1273392.4/17

0.330+/-0.000 χ^2/NDF : 2479375.2/38

0.334+/-0.000 χ^2/NDF : 1201043.2/20

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 +/- 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 149.401 +/- 0.000 χ^2/NDF : 0.0/0

Right Out: 144.809 +/- 0.000 χ^2/NDF : 4138041955.6/19

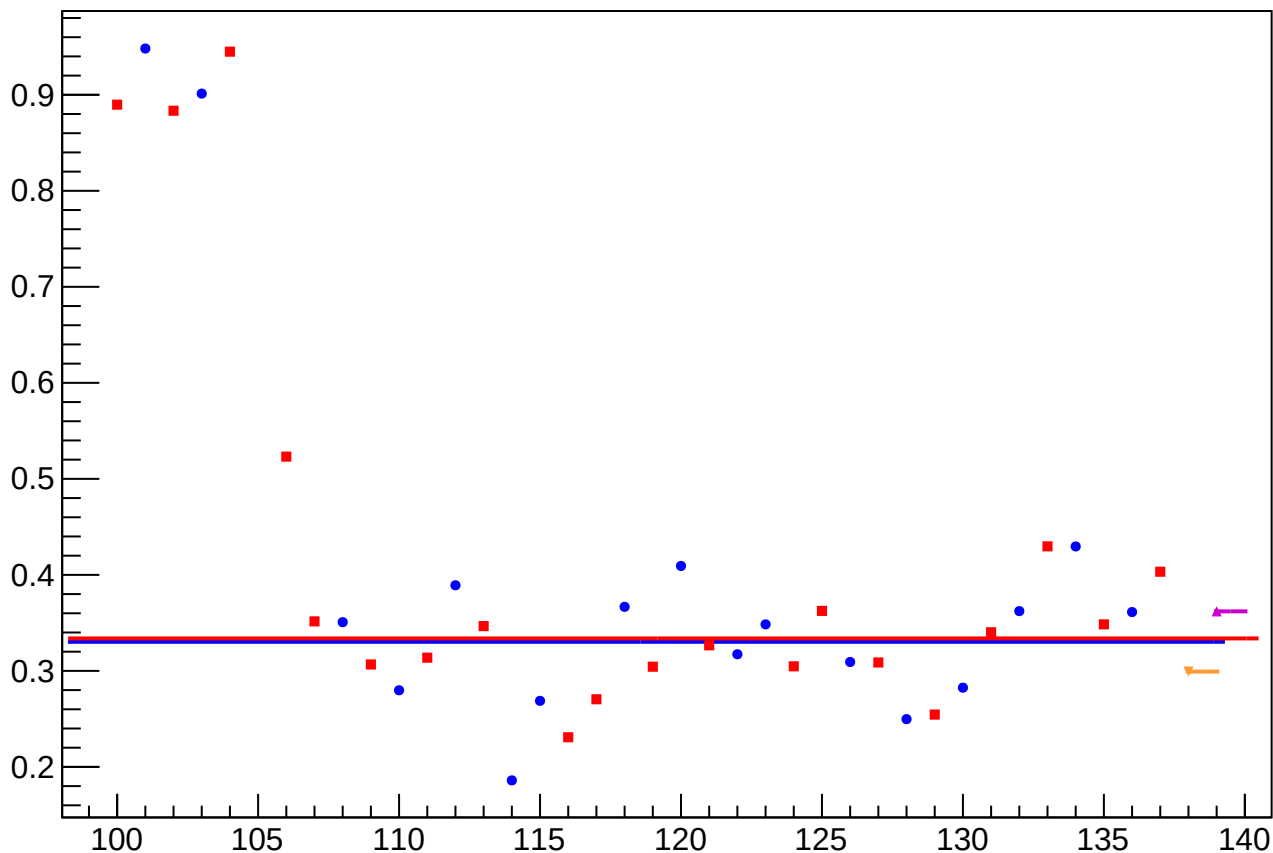
Left In: 149.077 +/- 0.000 χ^2/NDF : 0.0/0

144.664 +/- 0.000 χ^2/NDF : 3584886468.5/17

144.929 +/- 0.000 χ^2/NDF : 7818203203.6/17

145.196 +/- 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: 0.299 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1177889.1/19

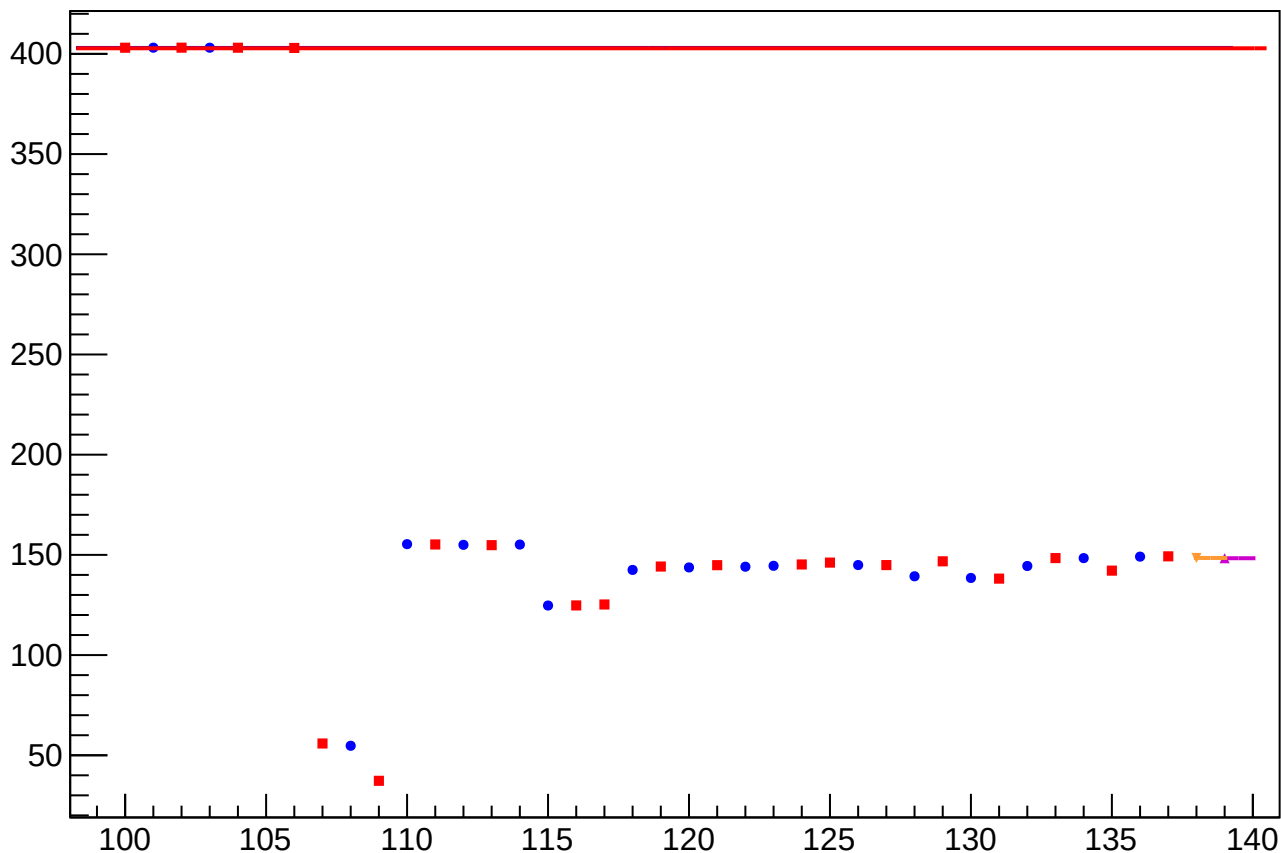
Left In: 0.362 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.326 $\pm$ 0.000 χ^2 /NDF: 1296967.1/17

0.331 $\pm$ 0.000 χ^2 /NDF: 2488500.1/38

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: 148.463+/-0.001 χ^2/NDF : 0.0/0

Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

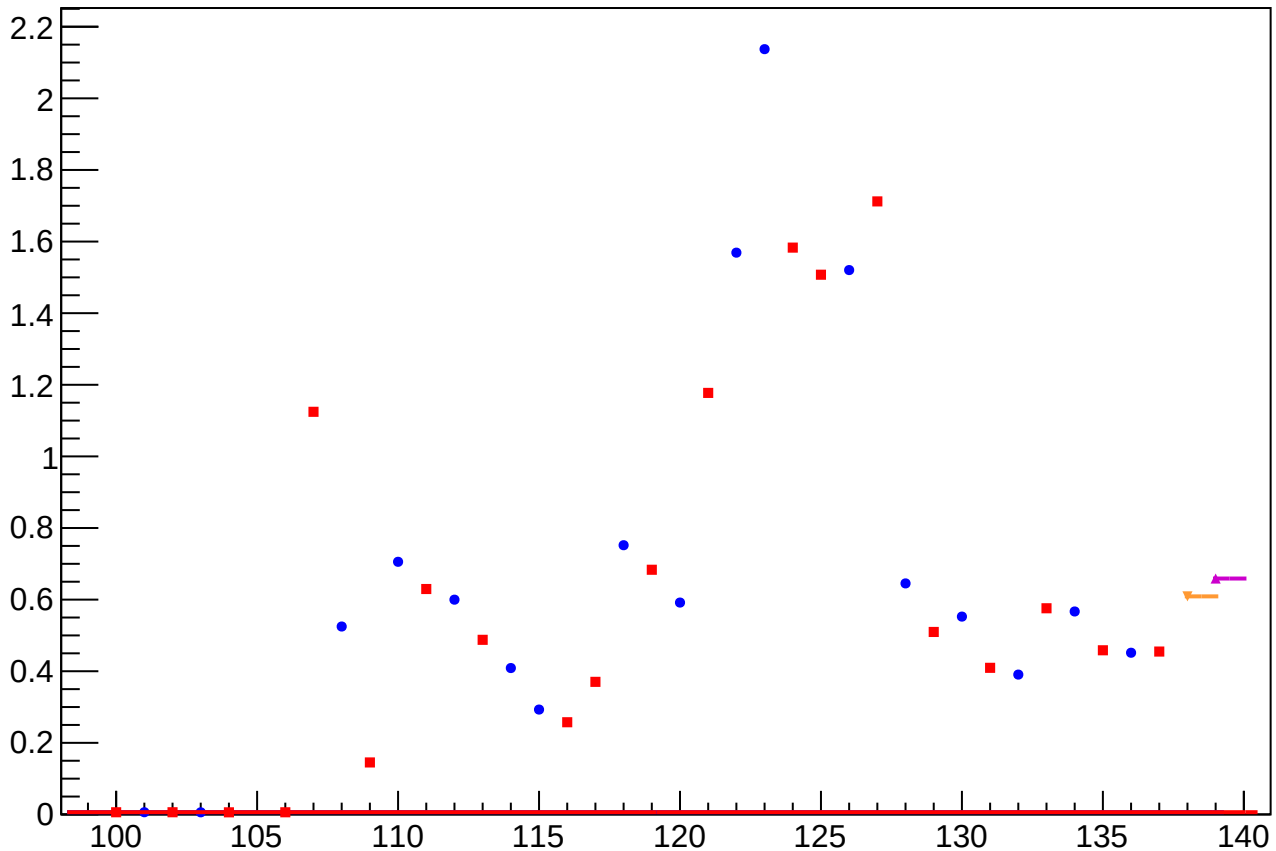
Left In: 148.328+/-0.001 χ^2/NDF : 0.0/0

402.944+/-0.000 χ^2/NDF : 1200964219819.6/17

402.860+/-0.000 χ^2/NDF : 441524414760

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: 0.609+/-0.001 χ^2/NDF : 0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

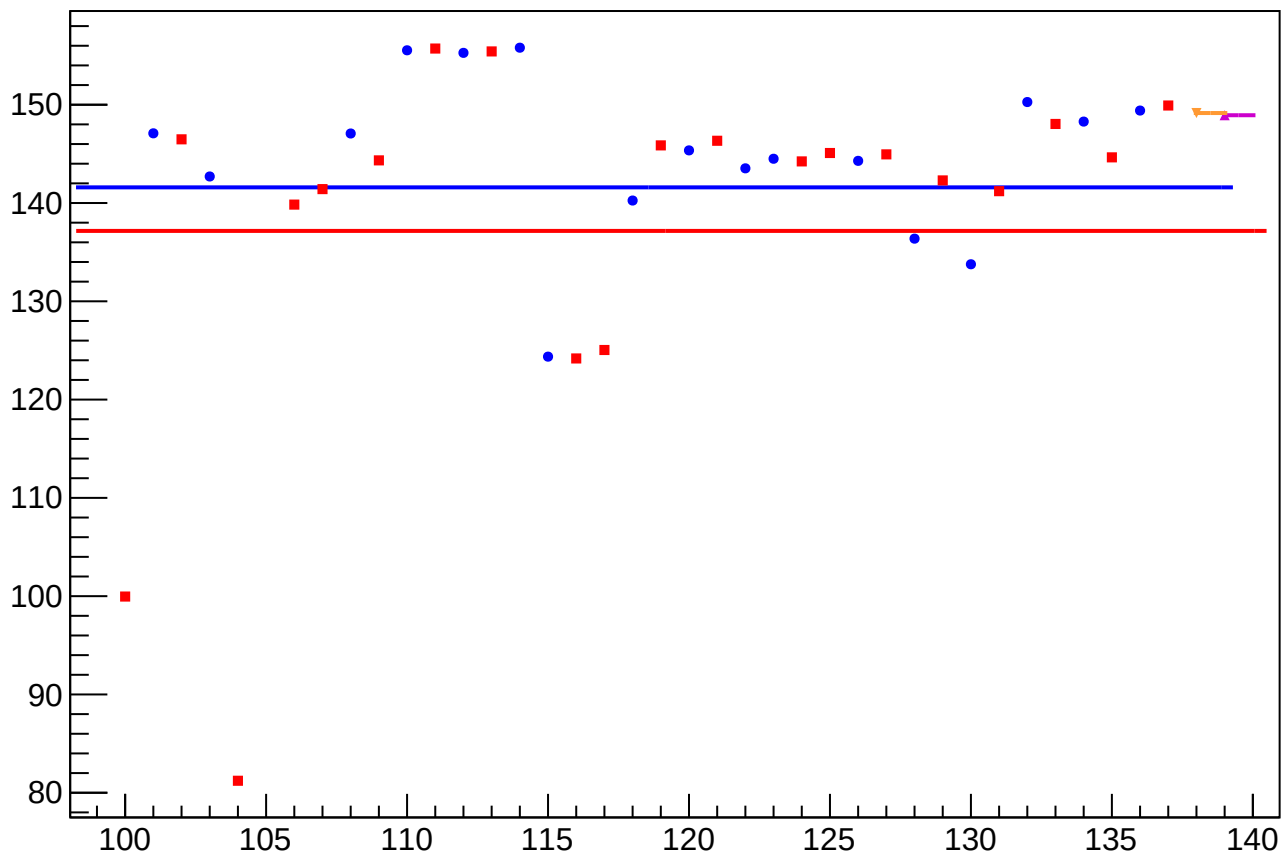
Left In: 0.659+/-0.001 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 10275173.1/17

0.006+/-0.000 χ^2/NDF : 20756242.2/38

0.006+/-0.000 χ^2/NDF : 10481063.4/20

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 149.155 $\pm$ 0.001 χ^2 /NDF: 0.0/0

Right Out: 137.162 $\pm$ 0.000 χ^2 /NDF: 1366089515.6/19

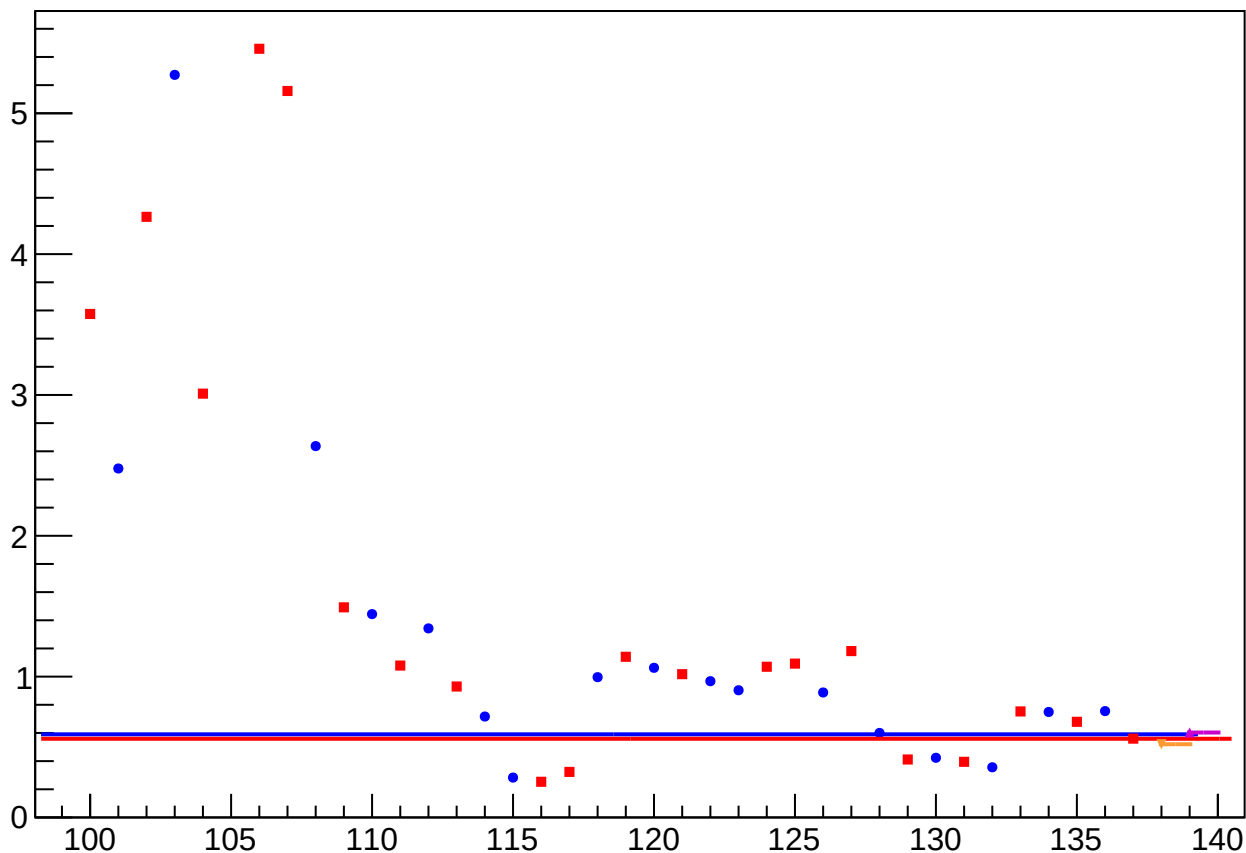
Left In: 148.931 $\pm$ 0.001 χ^2 /NDF: 0.0/0

142.528 $\pm$ 0.000 χ^2 /NDF: 1051447469.6/17

140.362 $\pm$ 0.000 χ^2 /NDF: 2670243398.6/17

138.306 $\pm$ 0.000 χ^2 /NDF: 1513484146.0/20

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.520 $\pm$ 0.001 χ^2 /NDF:0.0/0

Right Out: 0.559 $\pm$ 0.000 χ^2 /NDF: 4721291.1/19

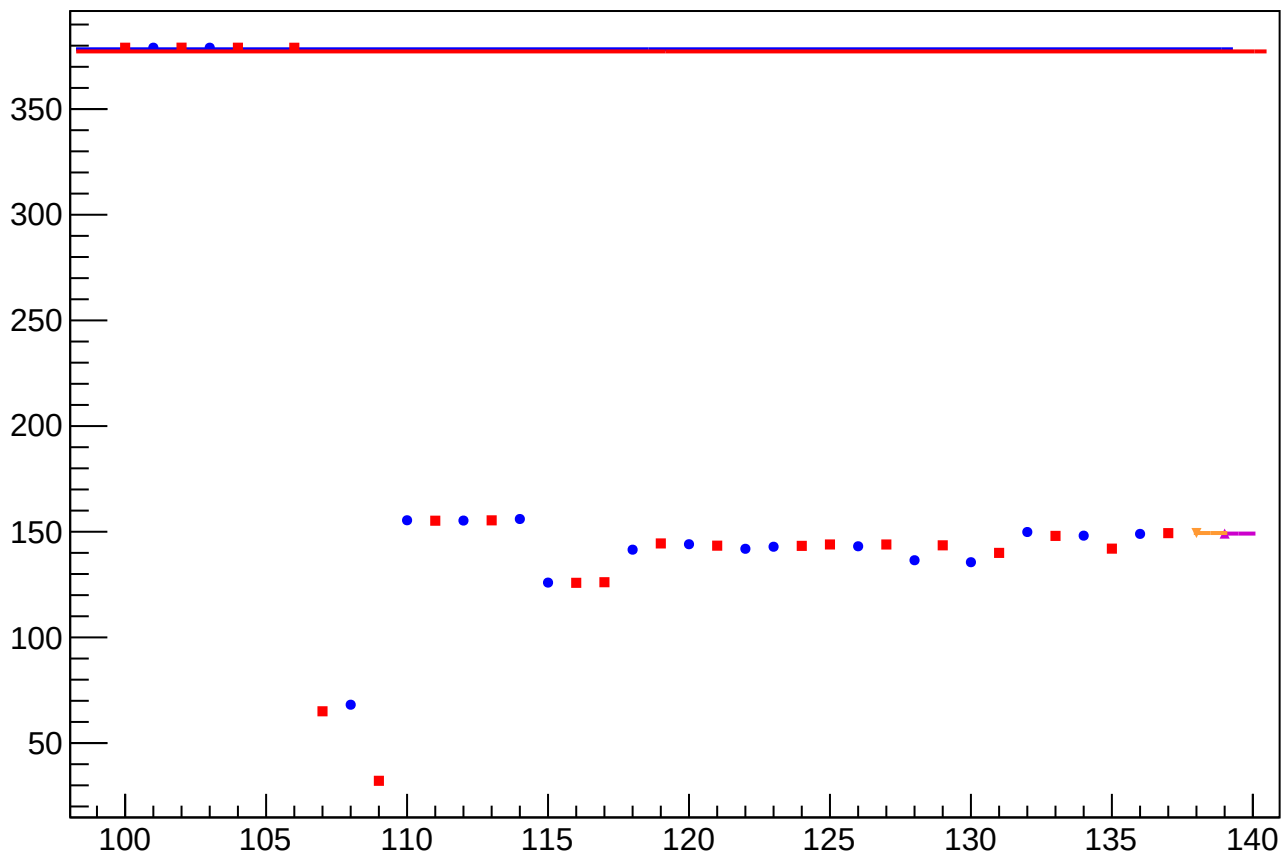
Left In: 0.603 $\pm$ 0.001 χ^2 /NDF:0.0/0

0.582 $\pm$ 0.000 χ^2 /NDF: 3504346.2/17

0.572 $\pm$ 0.000 χ^2 /NDF: 8233862.5/38

0.563 $\pm$ 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: 149.394+/-0.000 χ^2/NDF : 0.0/0

Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

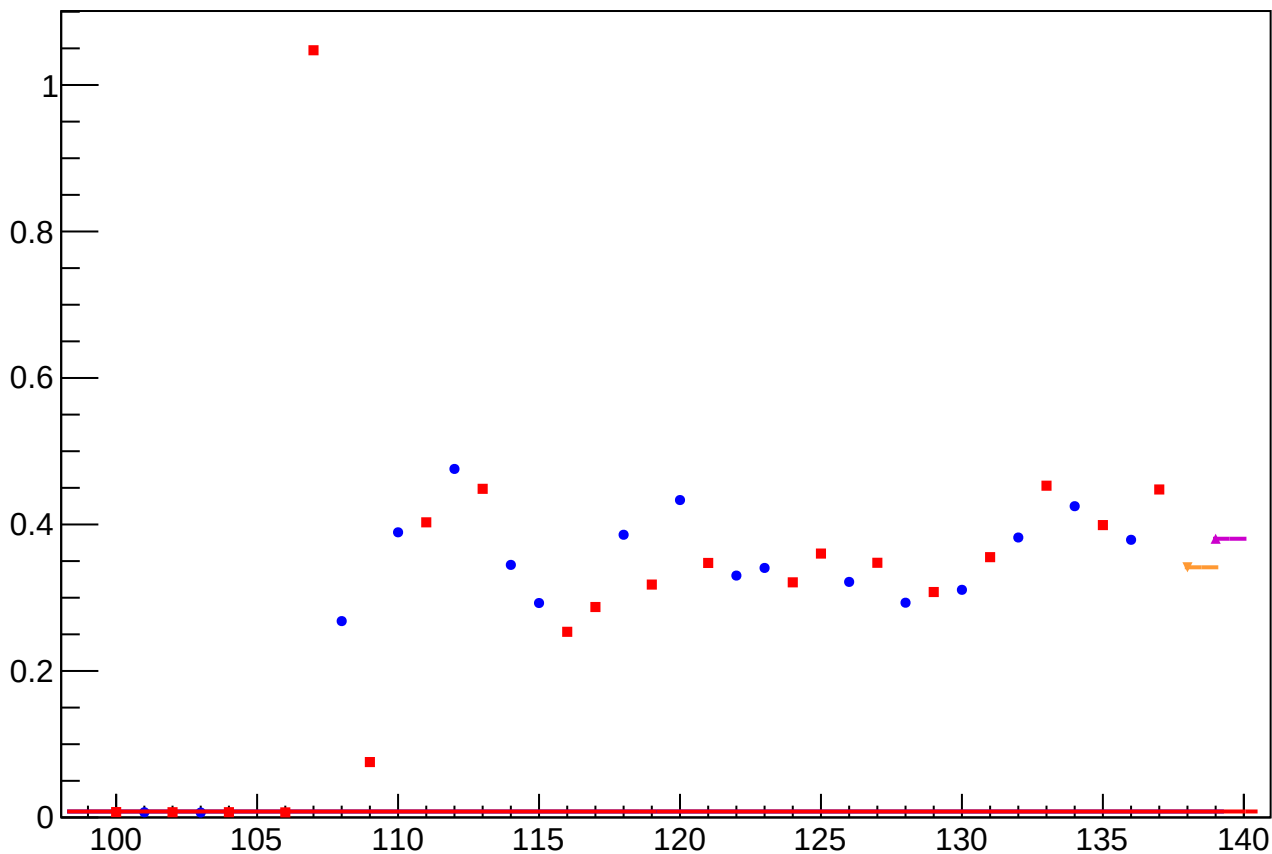
Left In: 149.126+/-0.000 χ^2/NDF : 0.0/0

378.177+/-0.000 χ^2/NDF : 2831605834930.7/17

377.660+/-0.000 χ^2/NDF : 114033823625

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: 0.342+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.008+/-0.000 χ^2/NDF : 9589375.6/19

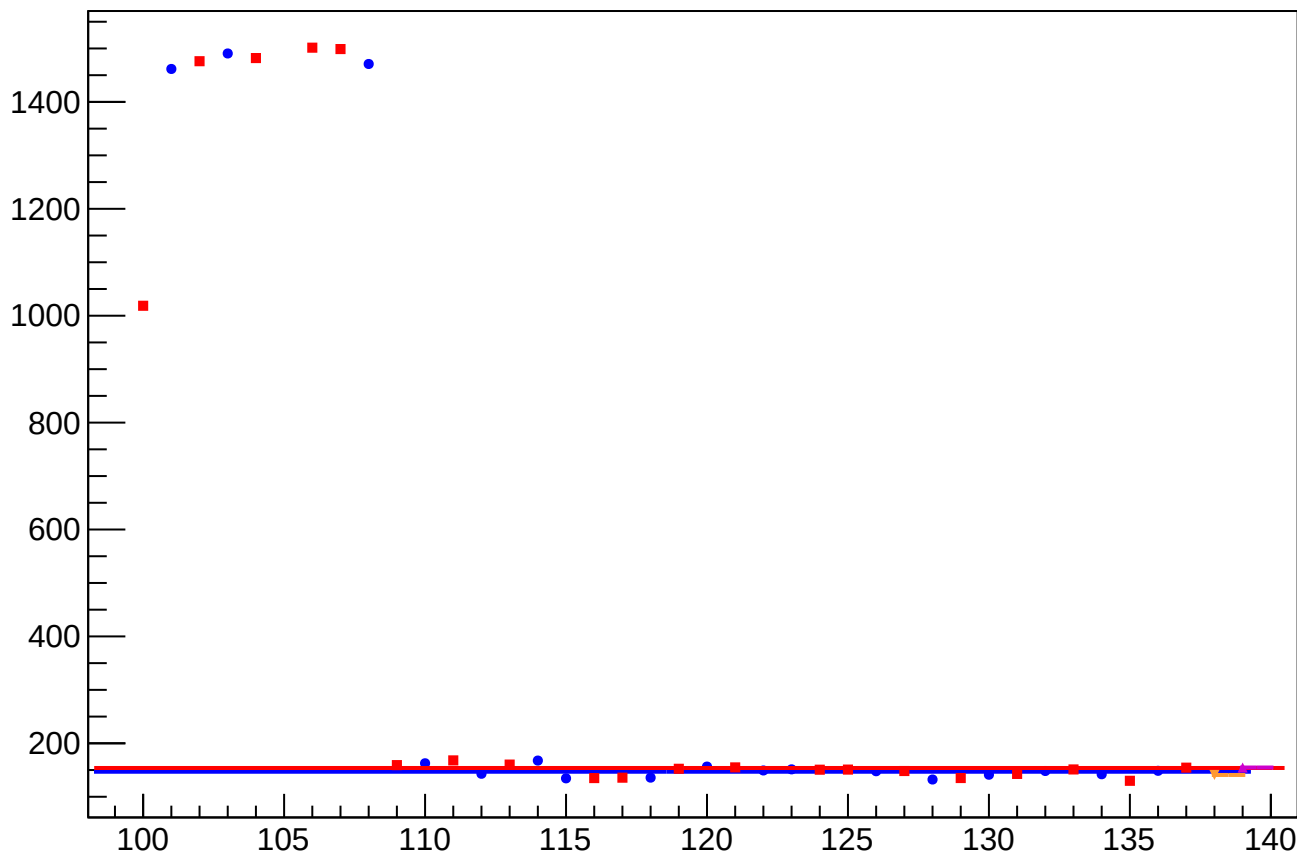
Left In: 0.381+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 11178675.2/17

0.008+/-0.000 χ^2/NDF : 22109779.7/38

0.008+/-0.000 χ^2/NDF : 10931104.4/20

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819 $\pm$ 0.000 χ^2/NDF : 24360774977.7/16

Left Out: 140.764 $\pm$ 0.001 χ^2/NDF : 0.0/0

Right Out: 153.832 $\pm$ 0.000 χ^2/NDF : 33744235949.2/19

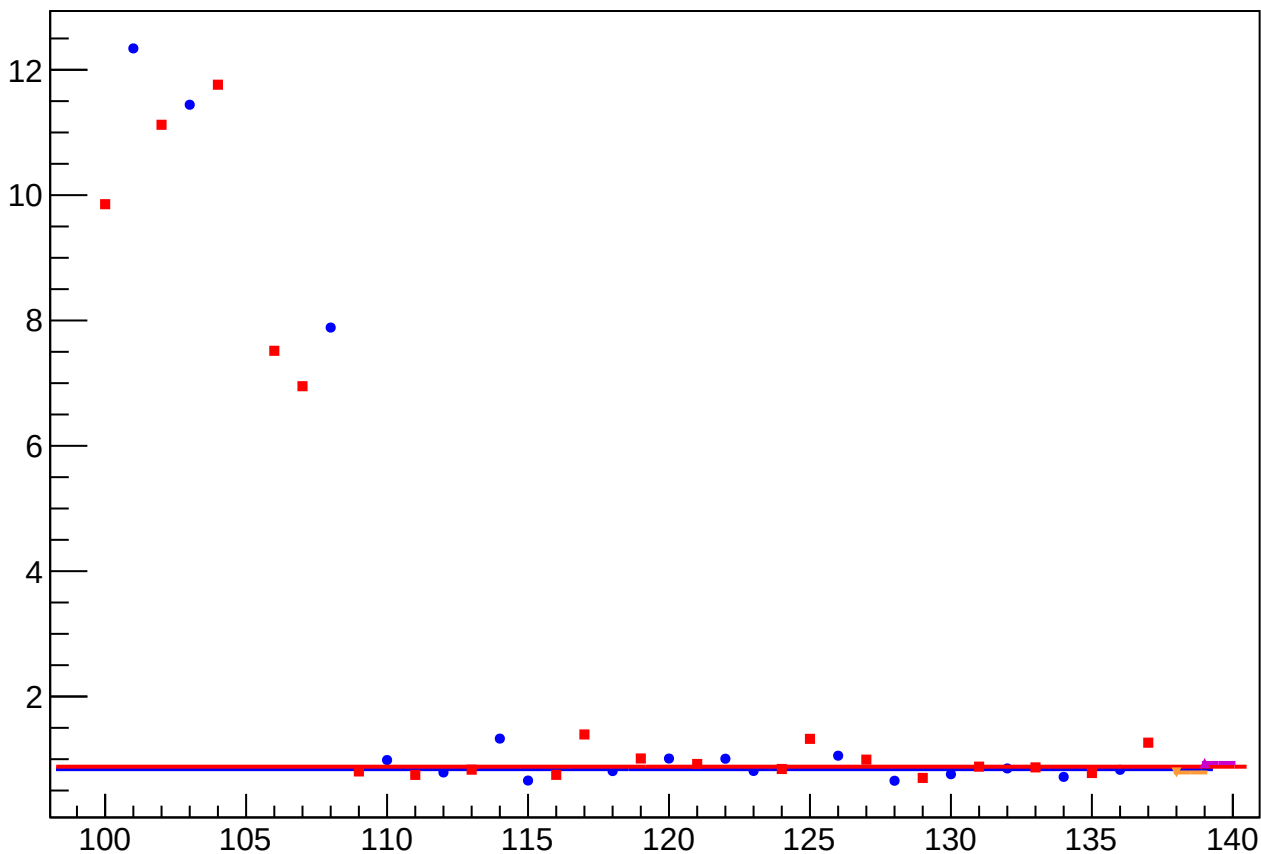
Left In: 154.682 $\pm$ 0.001 χ^2/NDF : 0.0/0

146.068 $\pm$ 0.000 χ^2/NDF : 24384980270.3/17

149.928 $\pm$ 0.000 χ^2/NDF : 58313656200.9

153.915 $\pm$ 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: 0.789+/-0.001 χ^2/NDF : 0.0/0

Right Out: 0.880+/-0.000 χ^2/NDF : 2825356.7/19

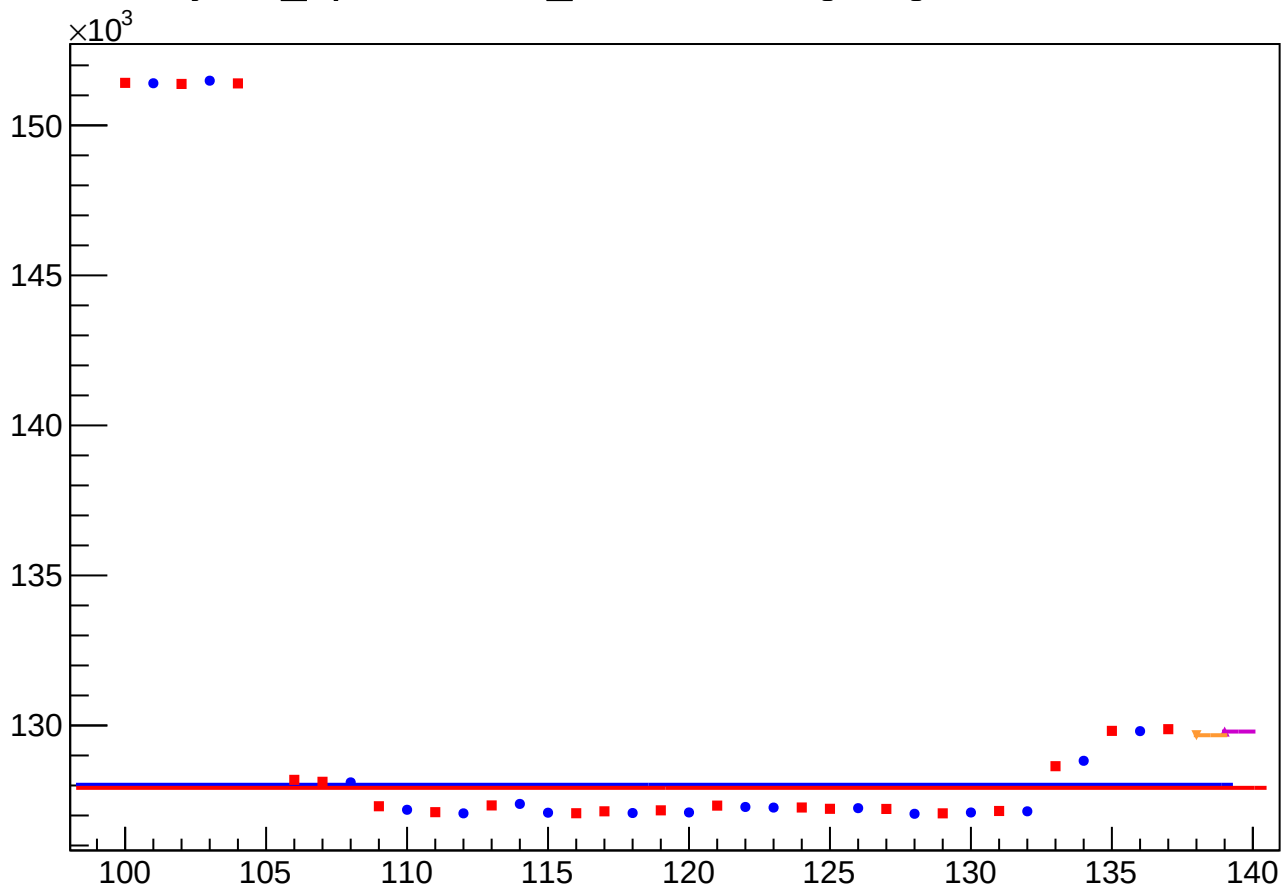
Left In: 0.940+/-0.001 χ^2/NDF : 0.0/0

0.835+/-0.000 χ^2/NDF : 2666045.7/17

0.860+/-0.000 χ^2/NDF : 5510898.0/38

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: 129674.703 $\pm$ 0.209 χ^2 /NDF: 0.0/0

Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

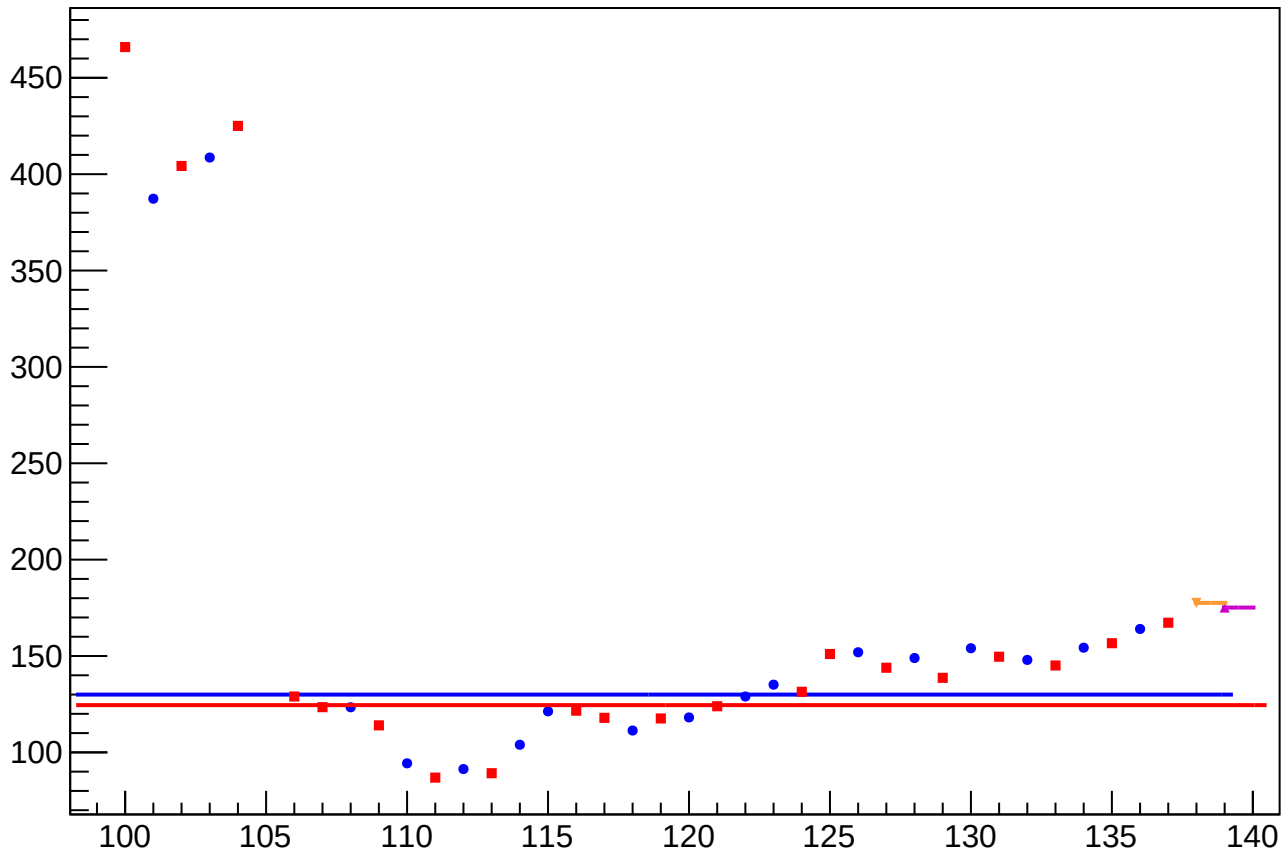
Left In: 129796.969 $\pm$ 0.207 χ^2 /NDF: 0.0/0

128128.397 $\pm$ 0.053 χ^2 /NDF: 4374756514.4/17

128073.012 $\pm$ 0.036 χ^2 /NDF: 822357593

128025.742 $\pm$ 0.049 χ^2 /NDF: 3846778292.2/20

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 177.564 $\pm$ 0.148 χ^2 /NDF: 0.0/0

Right Out: 124.514 $\pm$ 0.035 χ^2 /NDF: 1531546.7/19

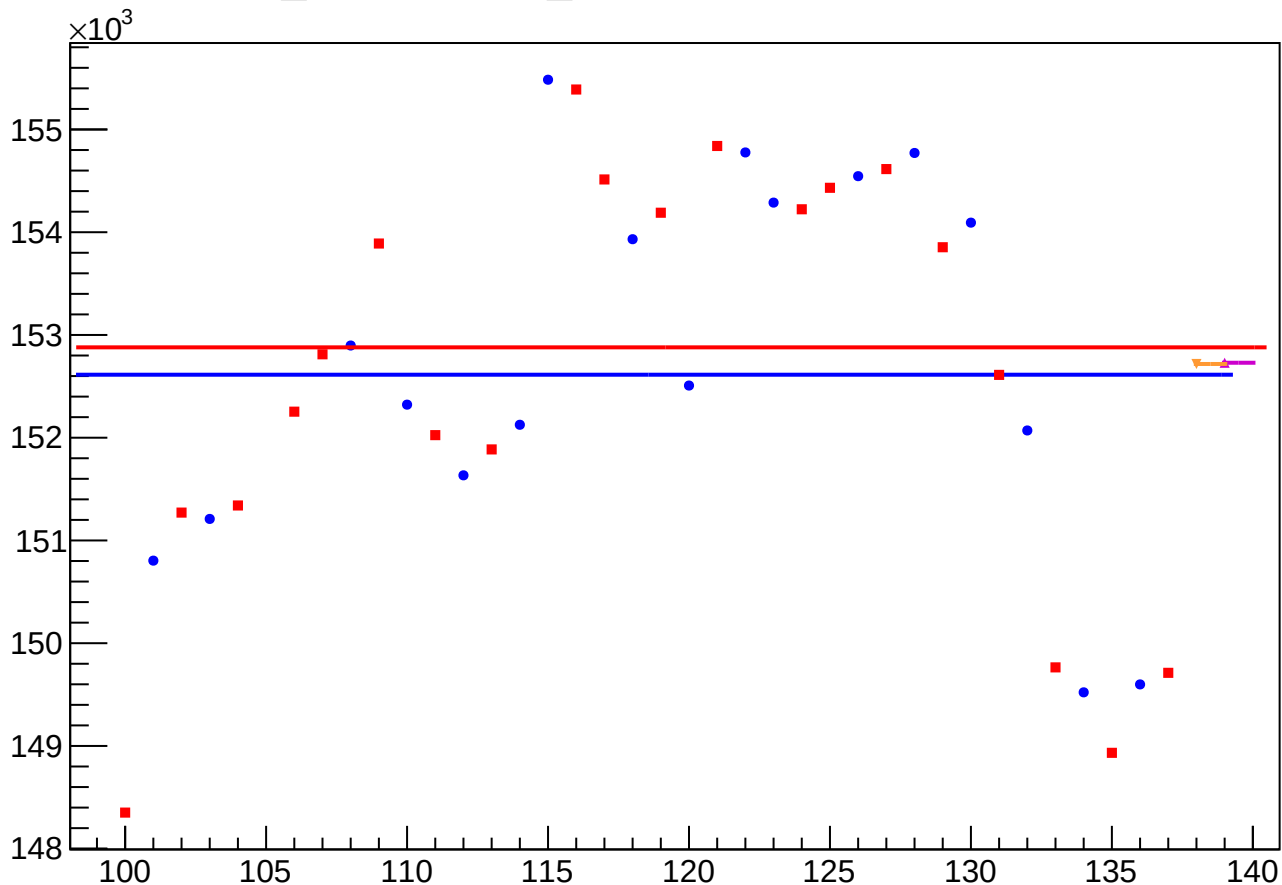
Left In: 175.141 $\pm$ 0.146 χ^2 /NDF: 0.0/0

133.002 $\pm$ 0.037 χ^2 /NDF: 1582215.8/17

129.943 $\pm$ 0.025 χ^2 /NDF: 3239588.4/38

127.333 $\pm$ 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: 152717.567 $\pm$ 0.200 χ^2 /NDF: 0.0/0

Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

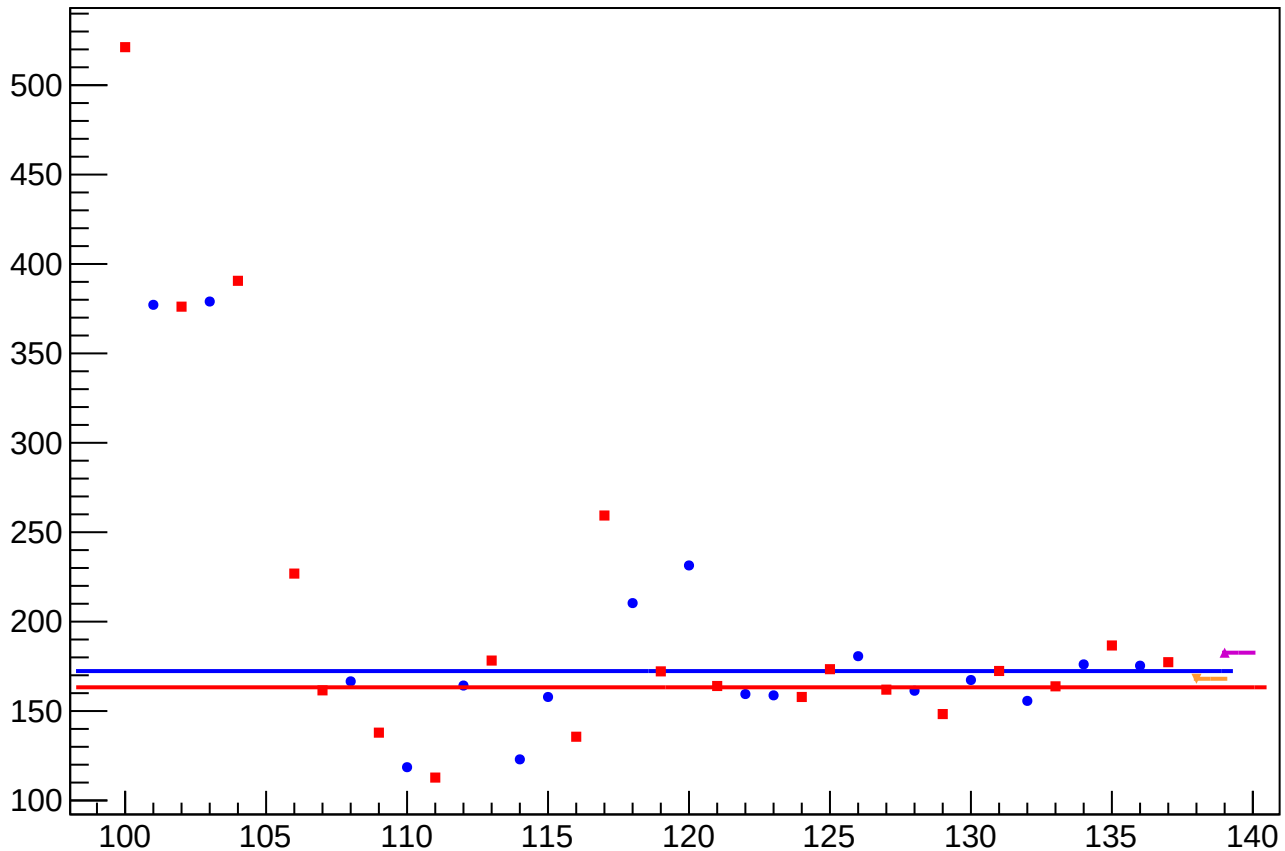
Left In: 152729.577 $\pm$ 0.216 χ^2 /NDF: 0.0/0

152625.235 $\pm$ 0.068 χ^2 /NDF: 623598345.7/17

152754.612 $\pm$ 0.046 χ^2 /NDF: 134871039

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: 168.046+/-0.141 χ^2/NDF : 0.0/0

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

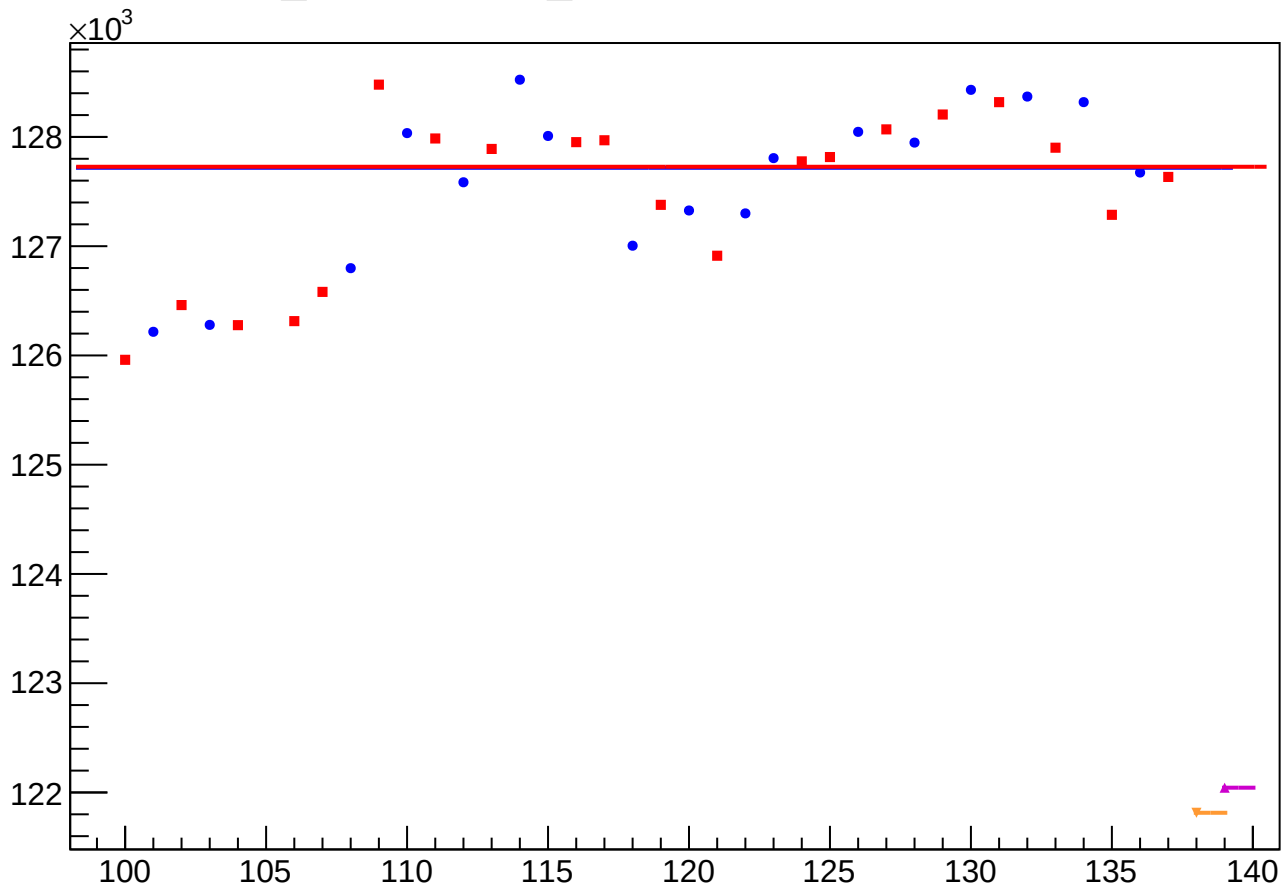
Left In: 182.632+/-0.152 χ^2/NDF : 0.0/0

171.852+/-0.048 χ^2/NDF : 922734.4/17

168.145+/-0.033 χ^2/NDF : 1992020.3/38

164.937+/-0.045 χ^2/NDF : 1058182.6/20

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 121814.068 $\pm$ 0.180 χ^2 /NDF: 0.0/0

Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

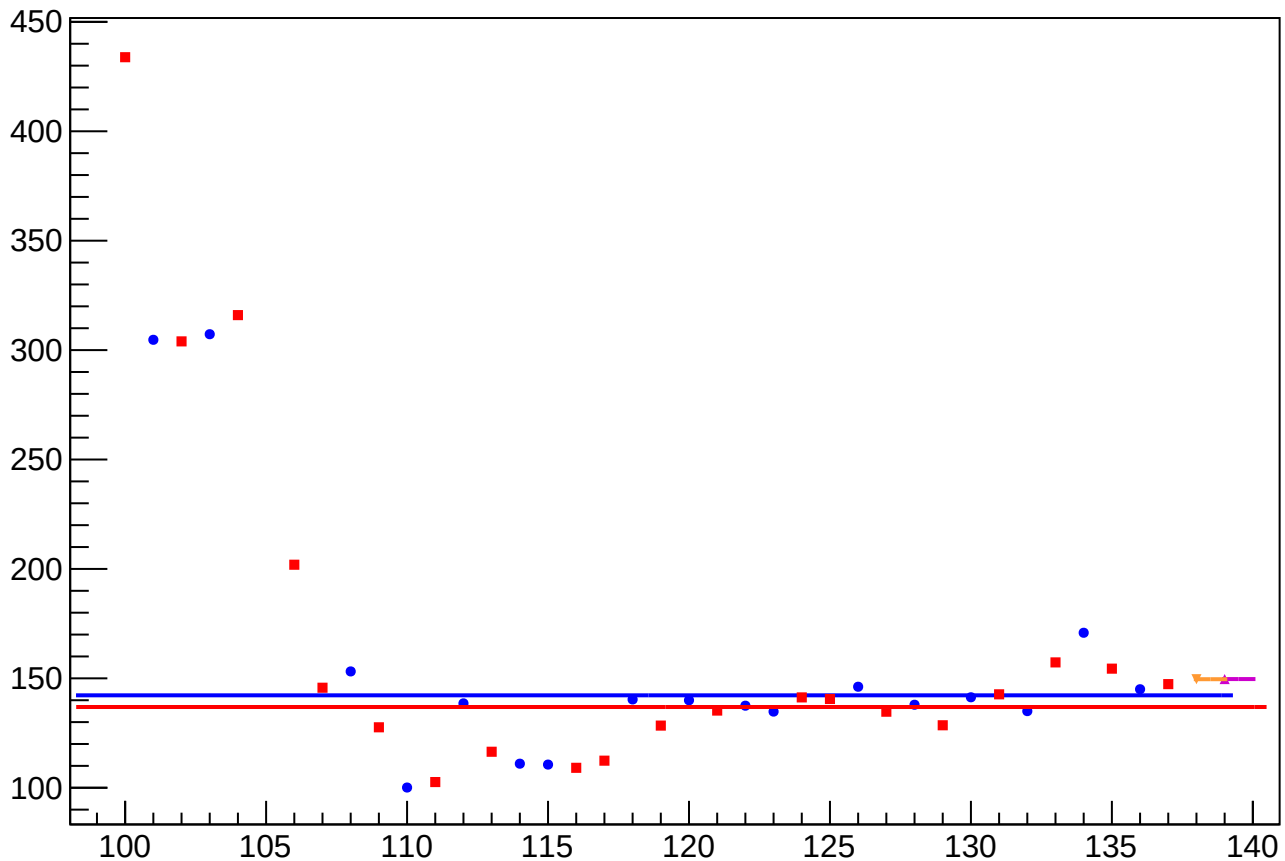
Left In: 122043.649 $\pm$ 0.177 χ^2 /NDF: 0.0/0

127155.673 $\pm$ 0.055 χ^2 /NDF: 1072254377.9/17

127200.247 $\pm$ 0.038 χ^2 /NDF: 212806865

127239.263 $\pm$ 0.052 χ^2 /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: 149.603 $\pm$ 0.127 χ^2 /NDF: 0.0/0

Right Out: 136.904 $\pm$ 0.038 χ^2 /NDF: 961858.5/19

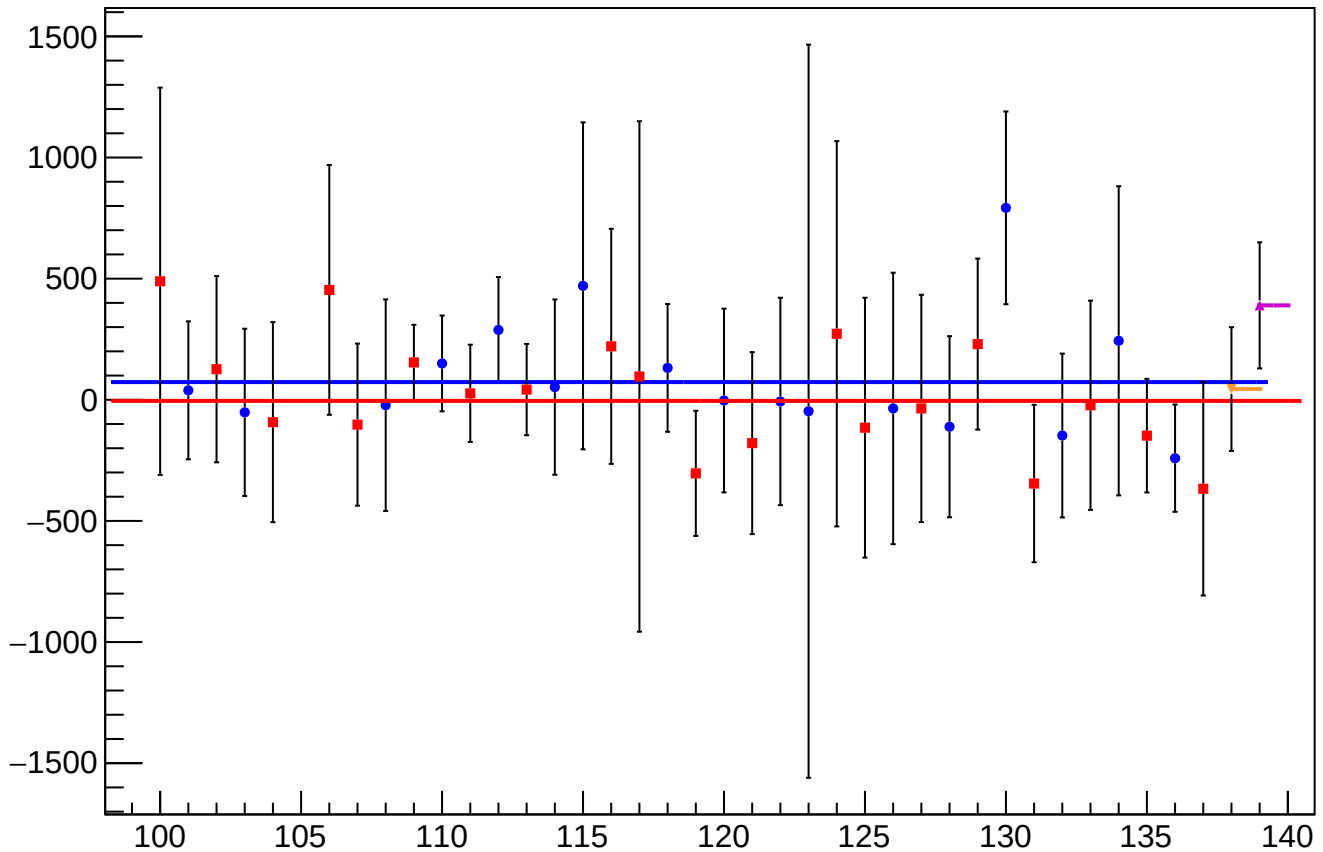
Left In: 149.671 $\pm$ 0.125 χ^2 /NDF: 0.0/0

142.941 $\pm$ 0.039 χ^2 /NDF: 839454.8/17

140.306 $\pm$ 0.027 χ^2 /NDF: 1819294.5/38

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: 44.315+/-255.375 χ^2/NDF : 0.0/0

Right Out: -4.574+/-69.944 χ^2/NDF : 7.1/19

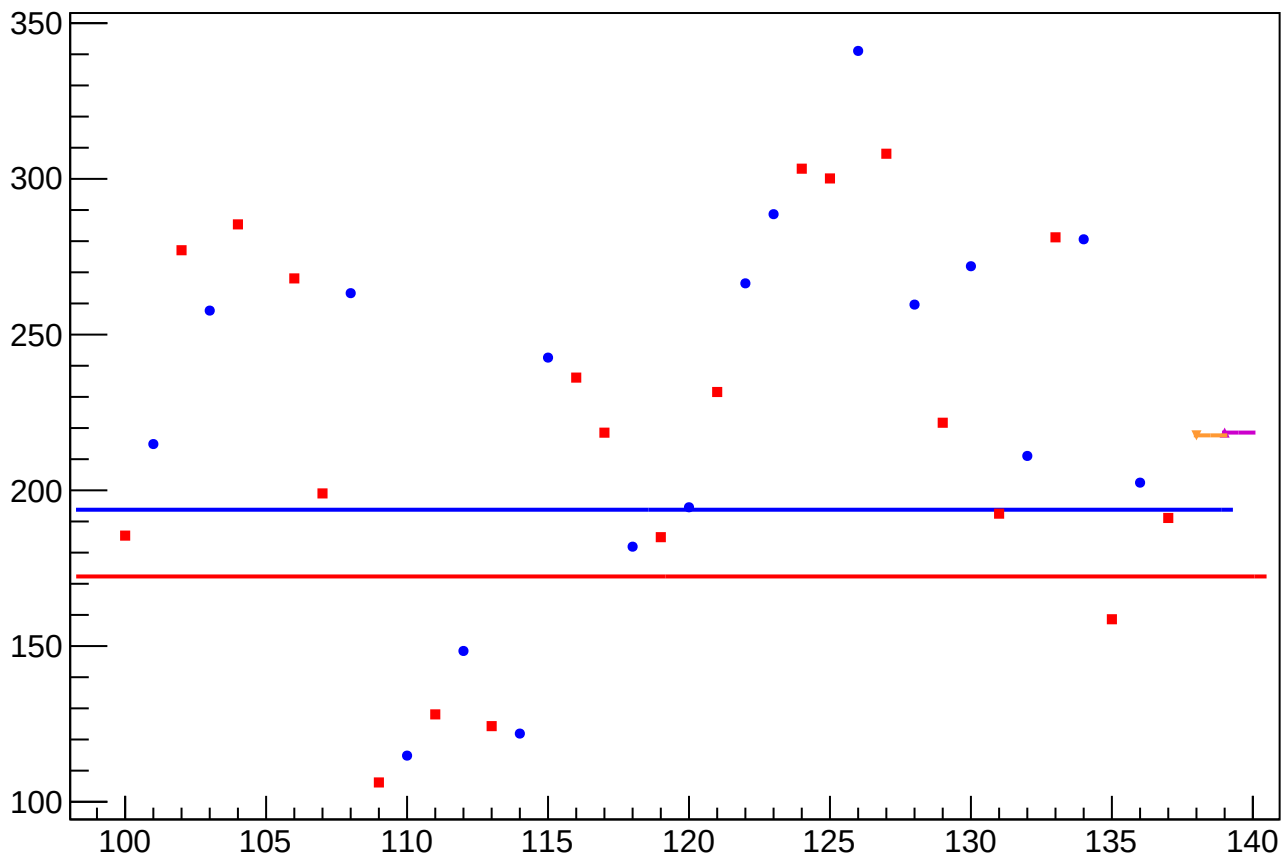
Left In: 389.747+/-260.199 χ^2/NDF : 0.0/0

70.559+/-75.997 χ^2/NDF : 7.9/17

43.430+/-50.487 χ^2/NDF : 17.3/38

21.999+/-67.546 χ^2/NDF : 9.2/20

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 217.650 $\pm$ 0.181 χ^2 /NDF: 0.0/0

Right Out: 172.346 $\pm$ 0.049 χ^2 /NDF: 1583893.0/19

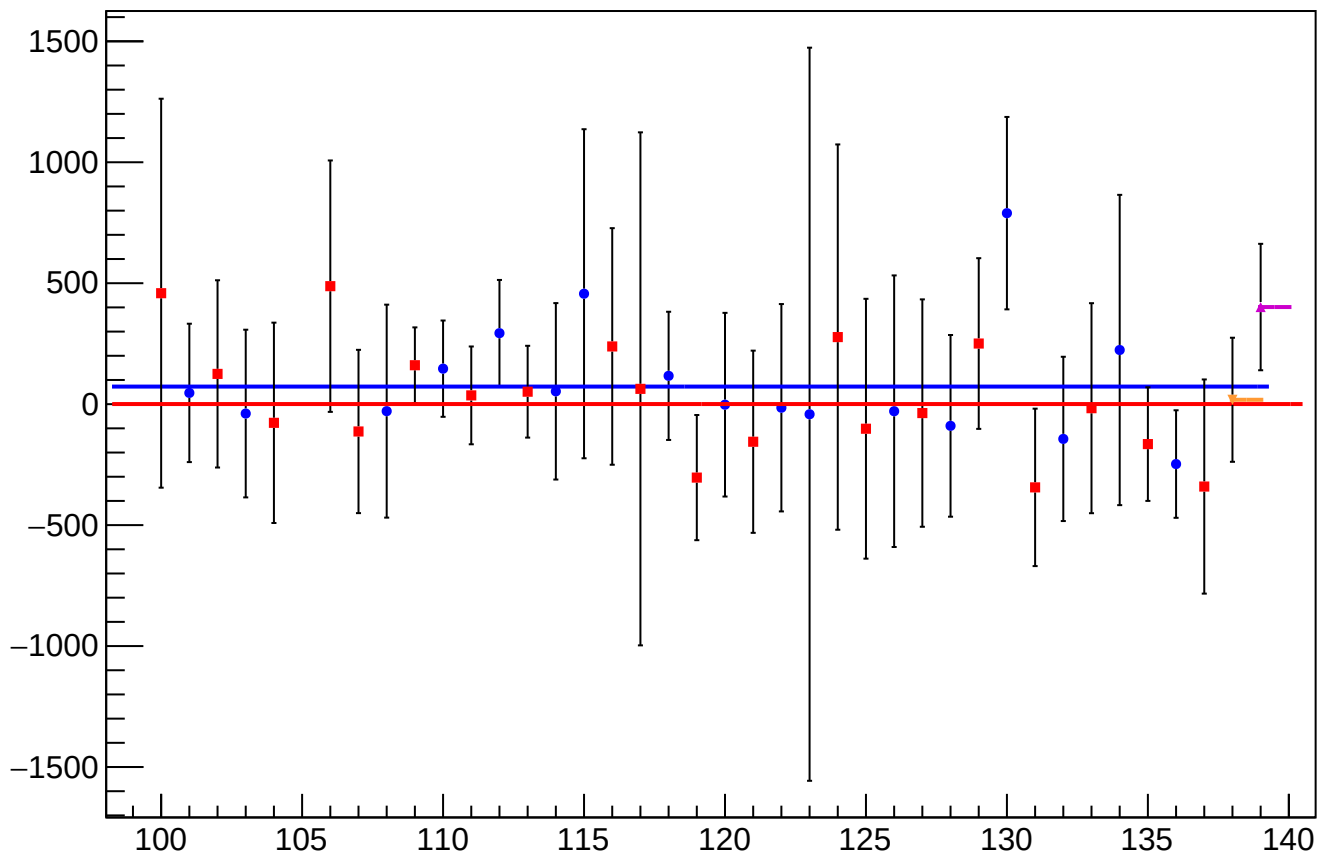
Left In: 218.542 $\pm$ 0.184 χ^2 /NDF: 0.0/0

195.887 $\pm$ 0.054 χ^2 /NDF: 1033017.8/17

184.475 $\pm$ 0.036 χ^2 /NDF: 2756432.9/38

175.459 $\pm$ 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: 18.151+/-256.464 χ^2/NDF : 0.0/0

Right Out: 0.459+/-70.312 χ^2/NDF : 7.3/19

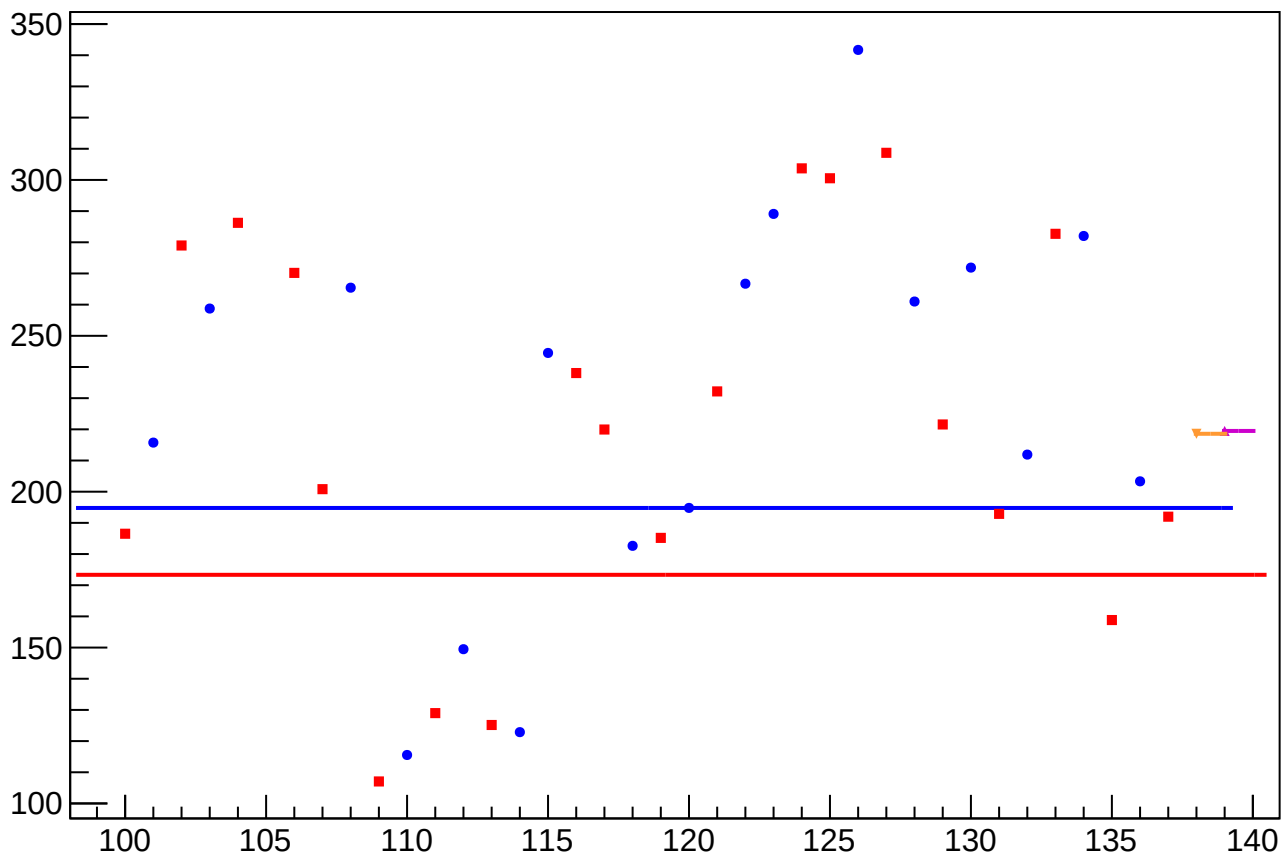
Left In: 401.473+/-261.327 χ^2/NDF : 0.0/0

67.841+/-76.363 χ^2/NDF : 7.8/17

45.327+/-50.741 χ^2/NDF : 17.4/38

27.529+/-67.897 χ^2/NDF : 9.5/20

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 +/- 0.057 χ^2/NDF : 1008292.8/16

Left Out: 218.573 +/- 0.181 χ^2/NDF : 0.0/0

Right Out: 173.337 +/- 0.050 χ^2/NDF : 1571436.7/19

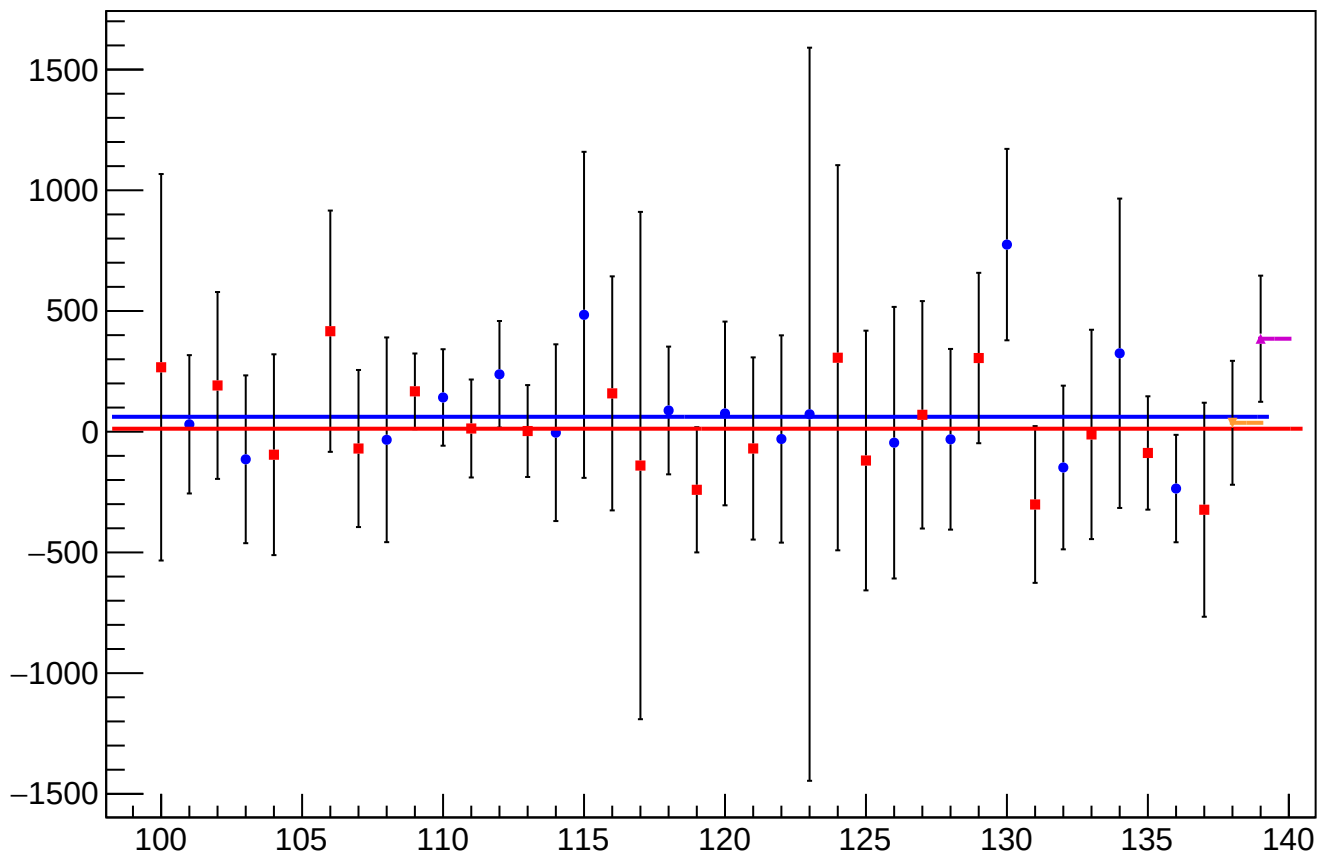
Left In: 219.487 +/- 0.185 χ^2/NDF : 0.0/0

196.892 +/- 0.054 χ^2/NDF : 1023977.9/17

185.477 +/- 0.036 χ^2/NDF : 2733596.8/38

176.452 +/- 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: 36.928 $\pm$ 256.646 χ^2 /NDF: 0.0/0

Right Out: 12.417 $\pm$ 70.233 χ^2 /NDF: 5.8/19

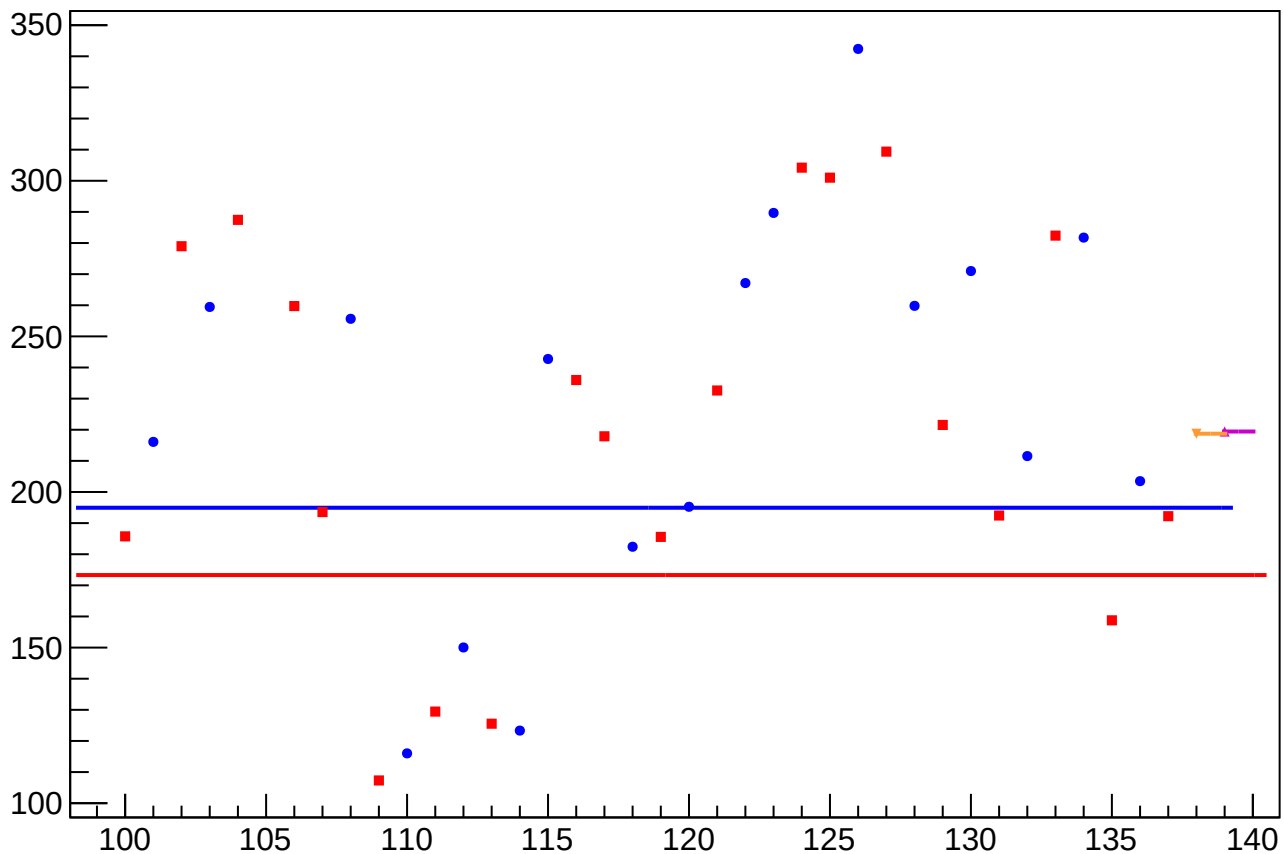
Left In: 385.167 $\pm$ 261.260 χ^2 /NDF: 0.0/0

59.611 $\pm$ 76.364 χ^2 /NDF: 7.3/17

47.272 $\pm$ 50.711 χ^2 /NDF: 15.0/38

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: 218.724 $\pm$ 0.181 χ^2 /NDF: 0.0/0

Right Out: 173.309 $\pm$ 0.050 χ^2 /NDF: 1548342.3/19

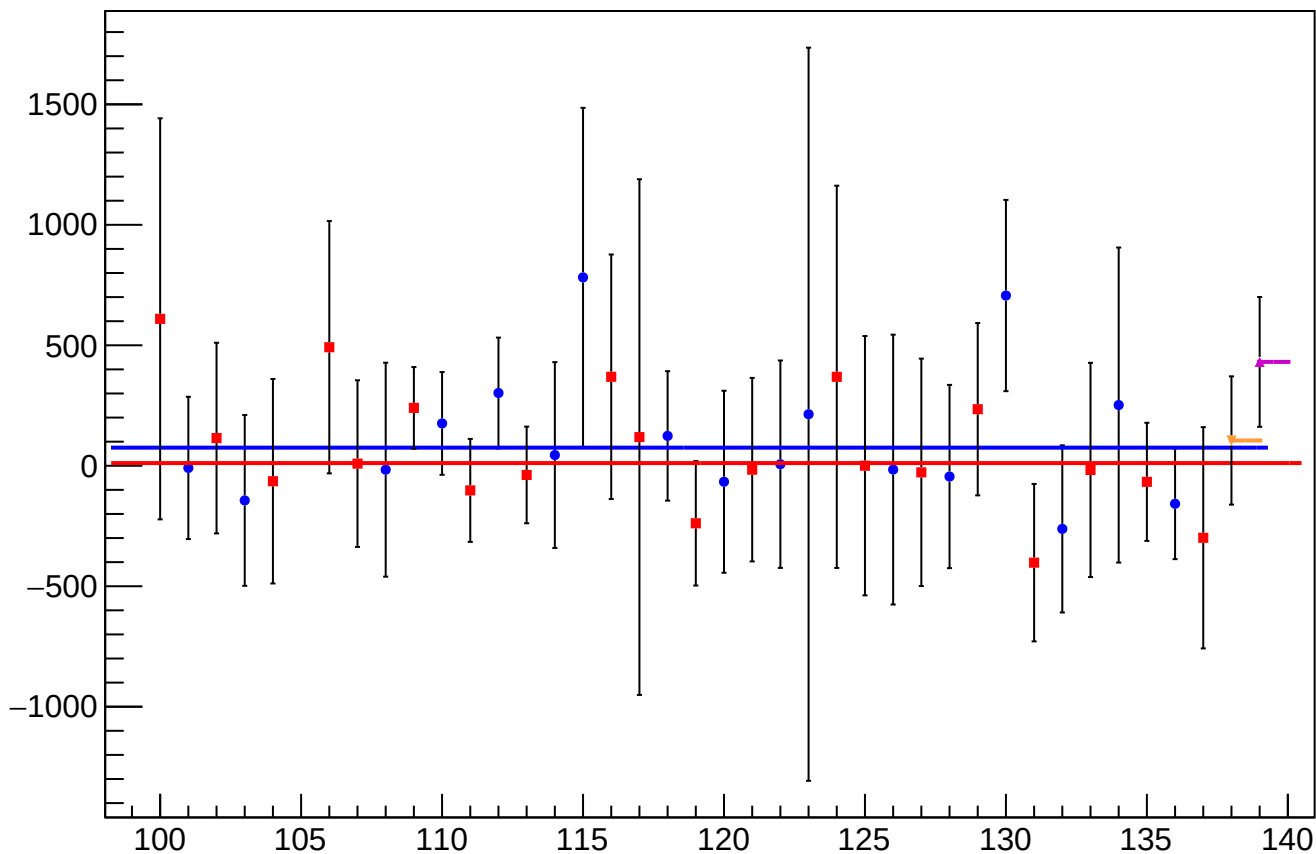
Left In: 219.432 $\pm$ 0.185 χ^2 /NDF: 0.0/0

197.045 $\pm$ 0.054 χ^2 /NDF: 1002286.2/17

185.514 $\pm$ 0.036 χ^2 /NDF: 2690333.7/38

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: 104.914 $\pm$ 266.200 χ^2 /NDF: 0.0/0

Right Out: 11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

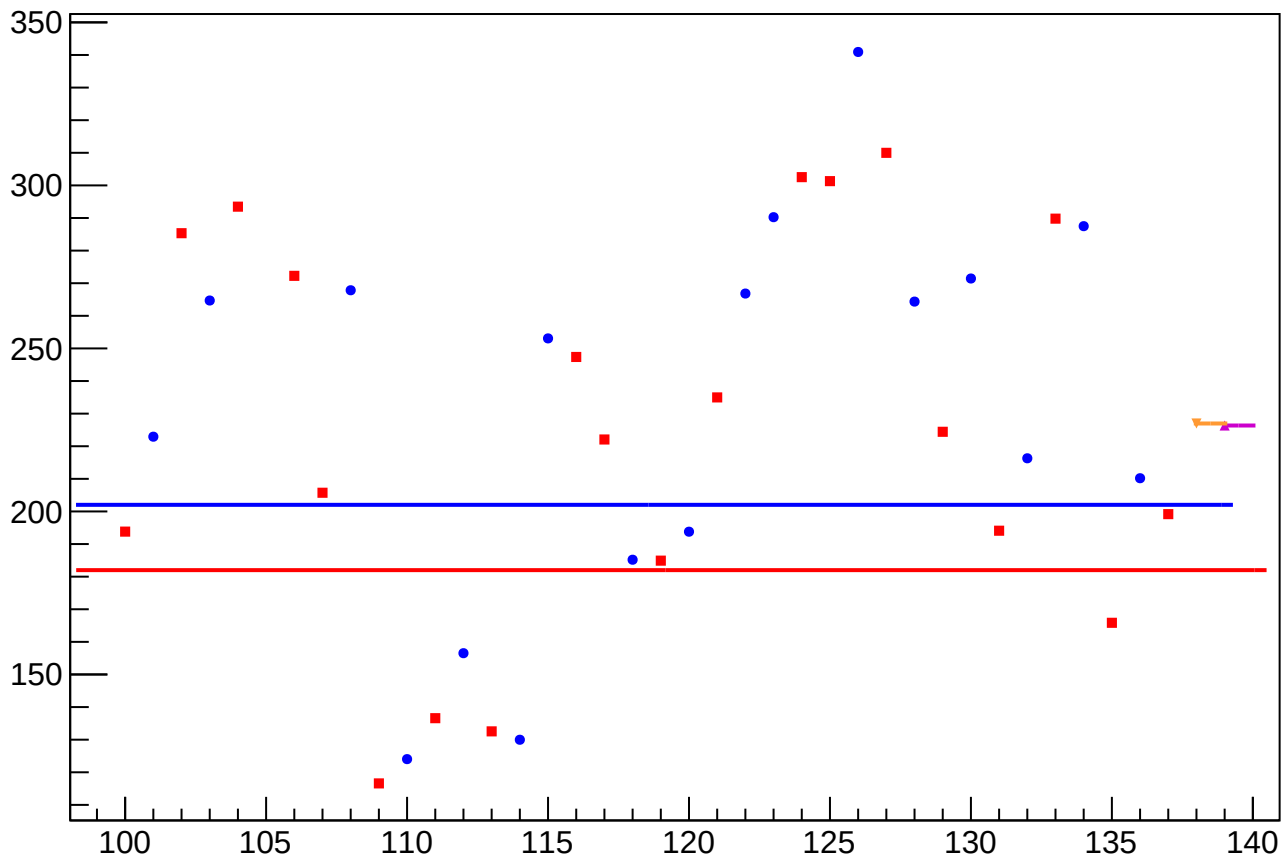
Left In: 431.075 $\pm$ 269.403 χ^2 /NDF: 0.0/0

77.810 $\pm$ 78.806 χ^2 /NDF: 7.6/17

56.850 $\pm$ 52.588 χ^2 /NDF: 17.9/38

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: 226.974+/-0.188 χ^2/NDF : 0.0/0

Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

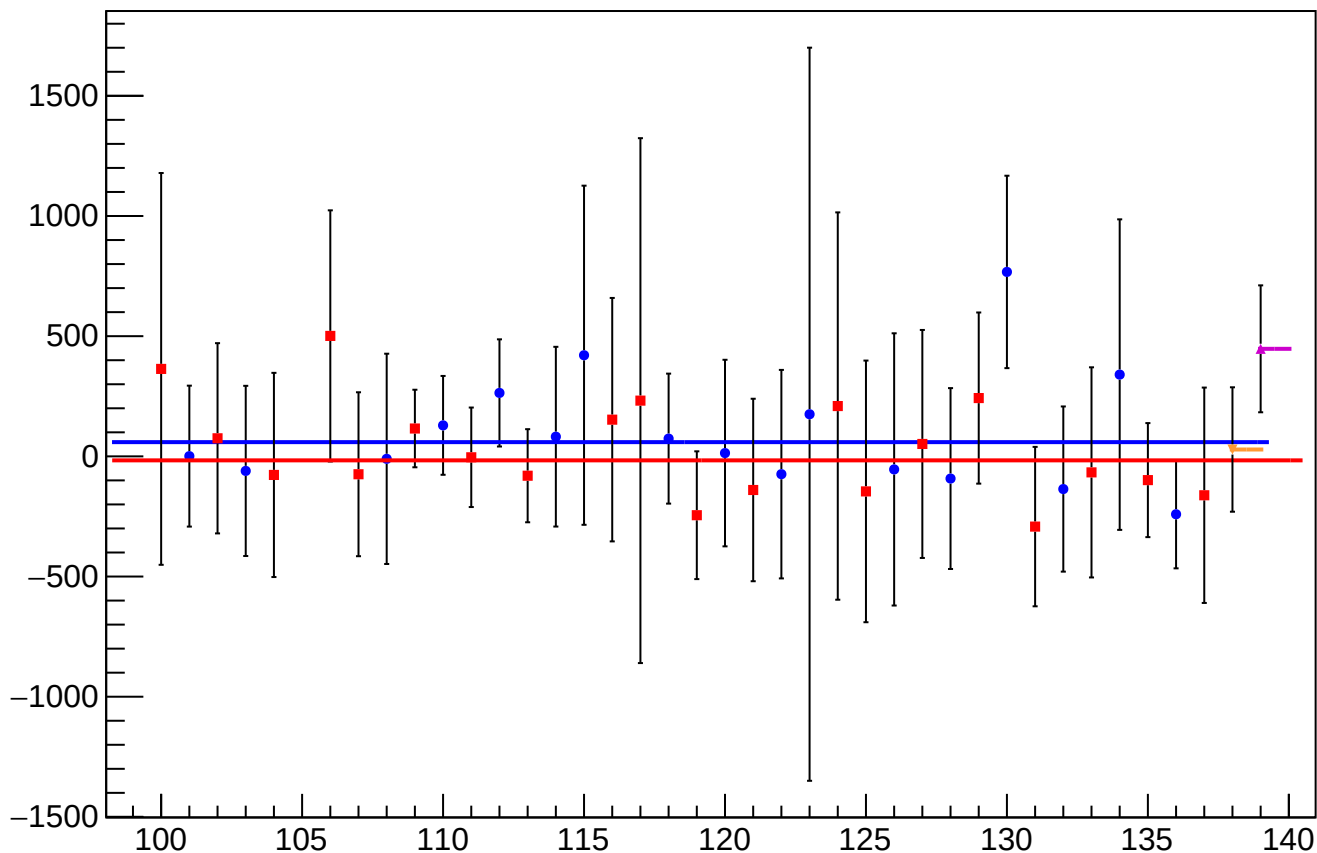
Left In: 226.357+/-0.190 χ^2/NDF : 0.0/0

204.215+/-0.056 χ^2/NDF : 897632.1/17

193.582+/-0.037 χ^2/NDF : 2394119.7/38

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: 28.507+/-258.830 χ^2/NDF : 0.0/0

Right Out: -16.650+/-71.745 χ^2/NDF : 4.7/19

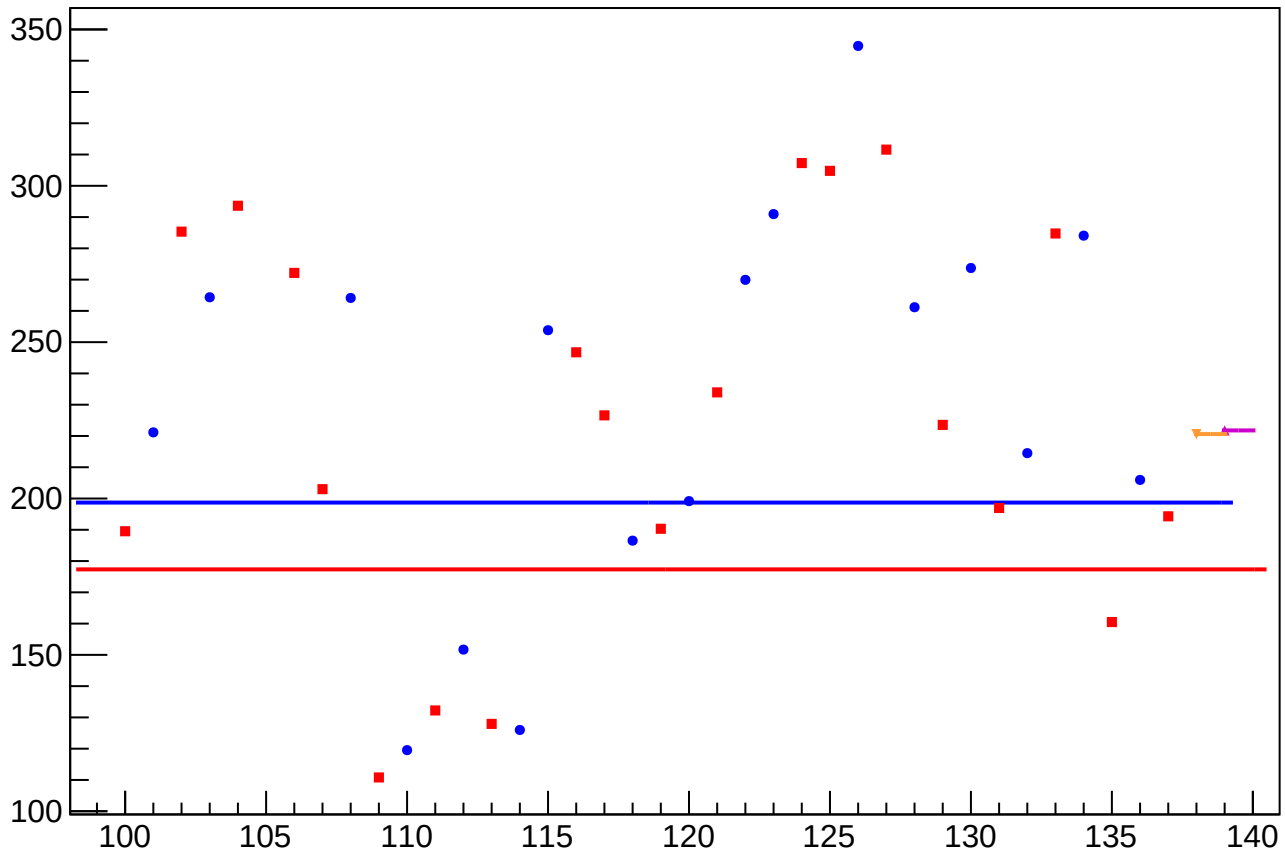
Left In: 447.396+/-264.034 χ^2/NDF : 0.0/0

56.413+/-77.665 χ^2/NDF : 7.2/17

33.481+/-51.681 χ^2/NDF : 14.9/38

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: 220.604 $\pm$ 0.183 χ^2 /NDF: 0.0/0

Right Out: 177.338 $\pm$ 0.051 χ^2 /NDF: 1528976.8/19

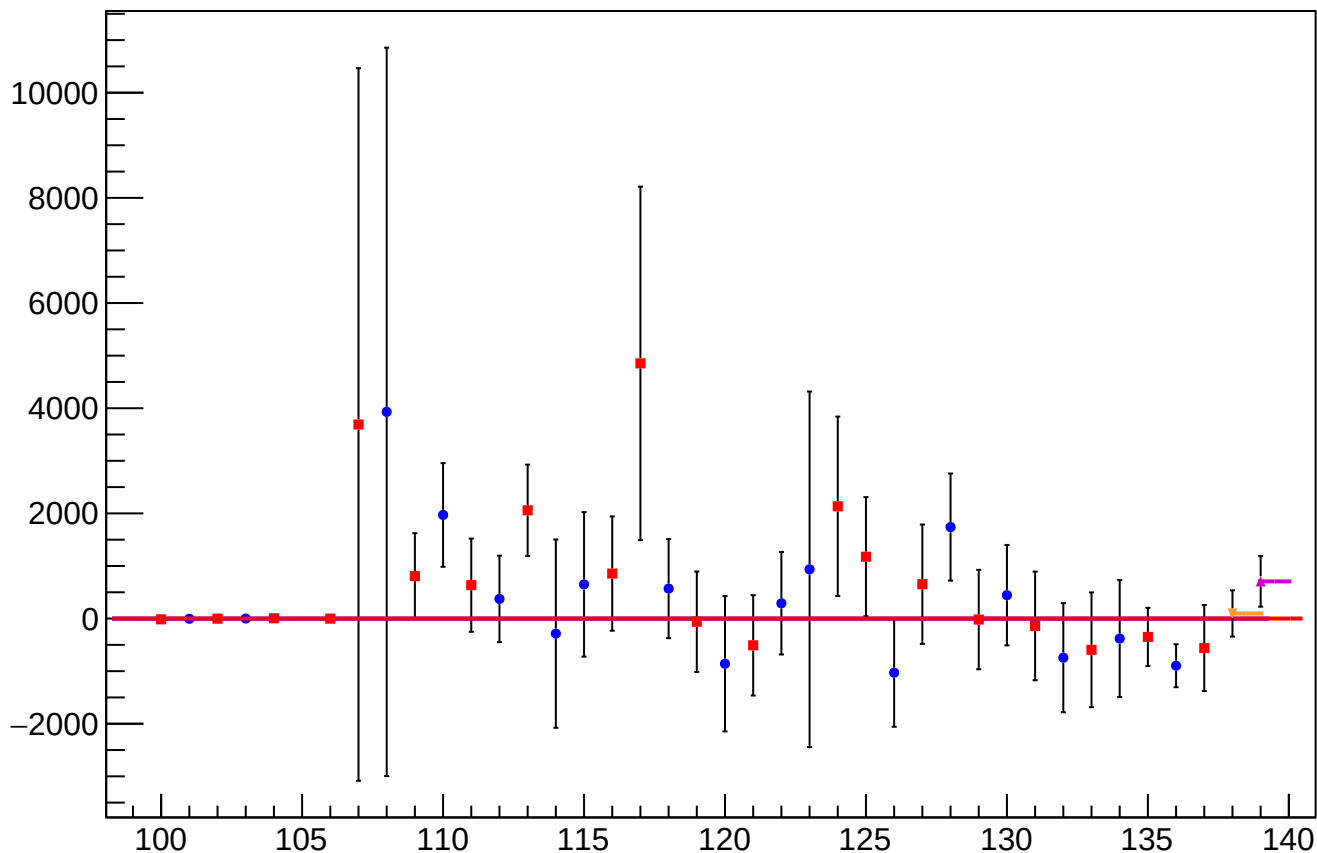
Left In: 221.776 $\pm$ 0.187 χ^2 /NDF: 0.0/0

200.675 $\pm$ 0.055 χ^2 /NDF: 976424.1/17

189.374 $\pm$ 0.037 χ^2 /NDF: 2634154.4/38

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: 96.714 ± 439.639 χ^2/NDF : 0.0/0

Right Out: 0.733 ± 2.111 χ^2/NDF : 20.5/19

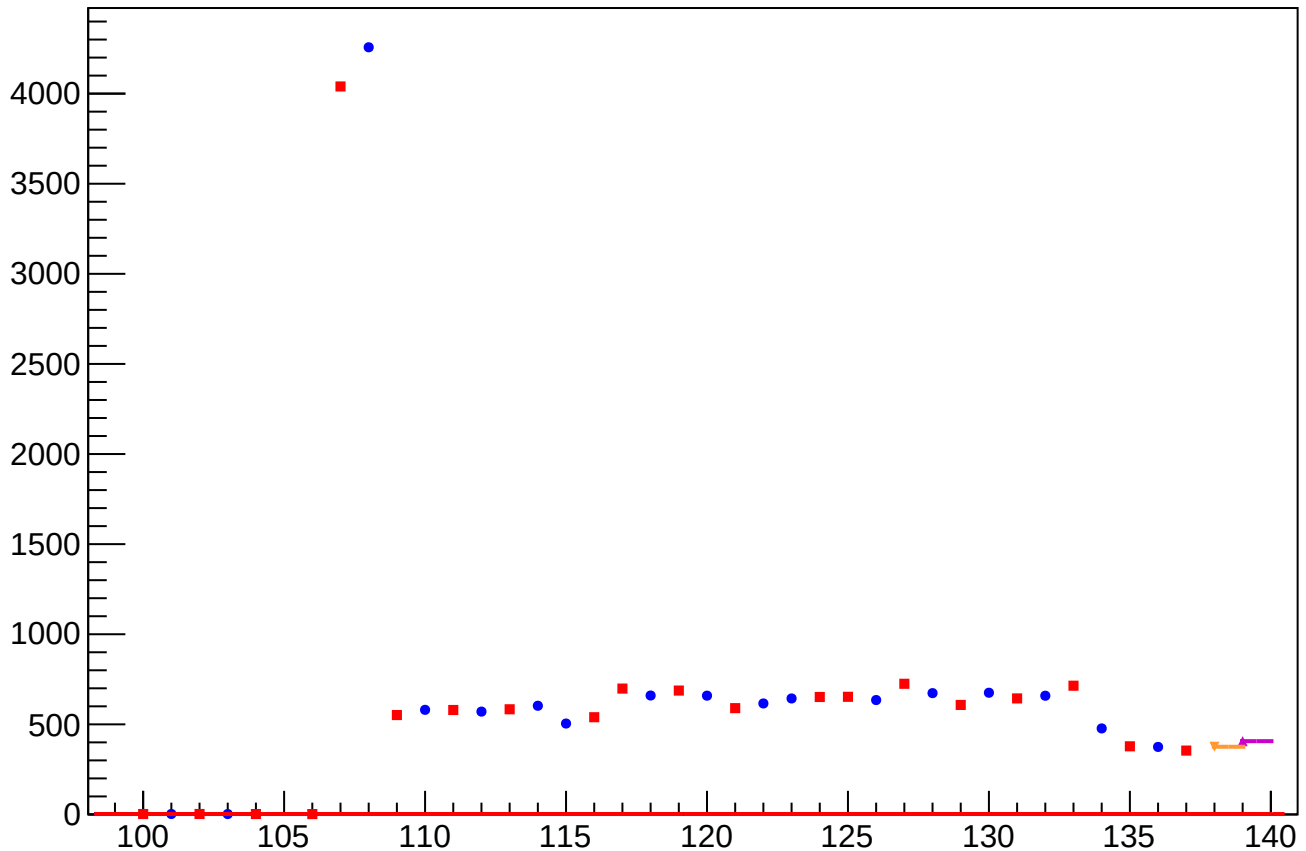
Left In: 706.487 ± 479.995 χ^2/NDF : 0.0/0

-1.526 ± 2.251 χ^2/NDF : 16.7/17

-0.317 ± 1.540 χ^2/NDF : 39.9/38

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: 375.729+/-0.311 χ^2/NDF : 0.0/0

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

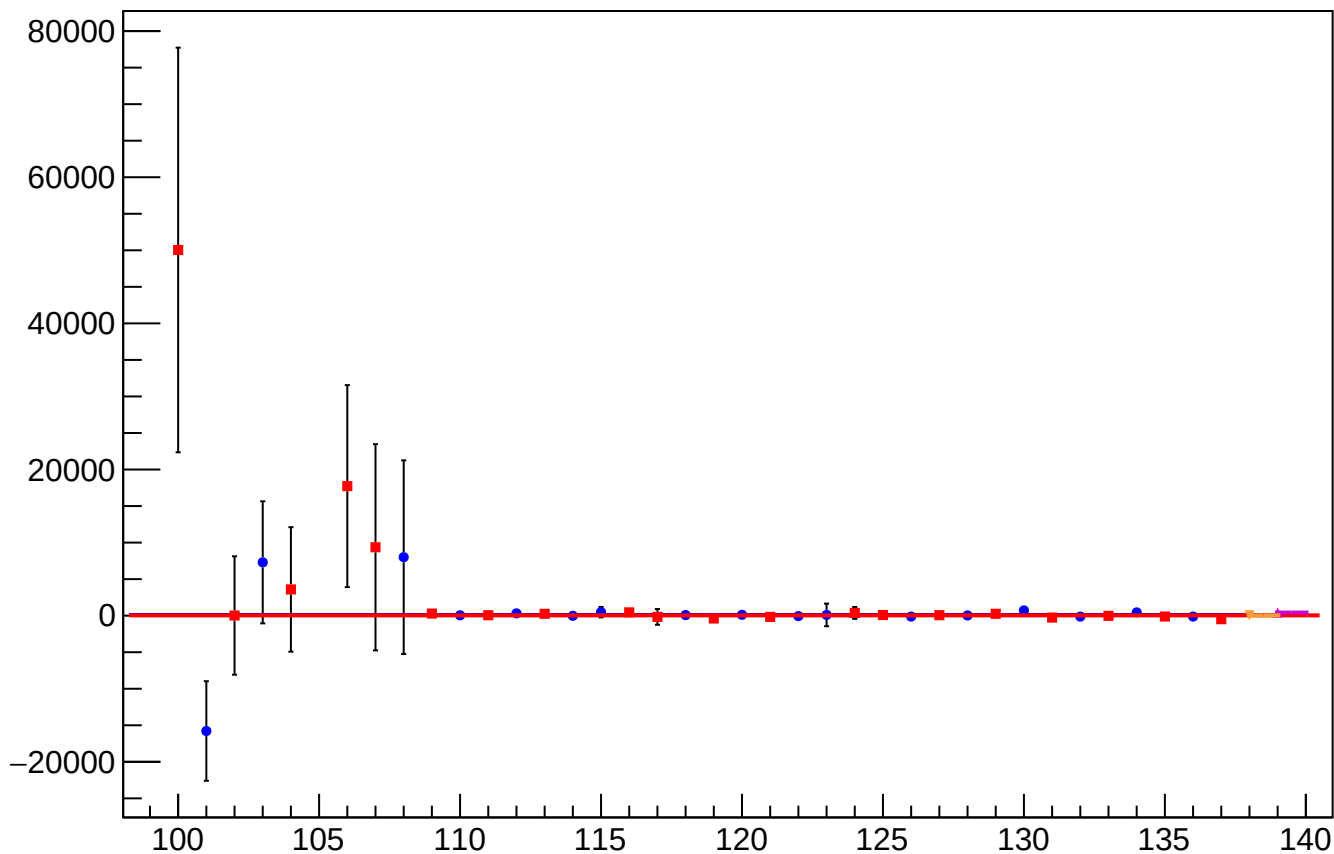
Left In: 406.749+/-0.339 χ^2/NDF : 0.0/0

2.466+/-0.002 χ^2/NDF : 12148060.0/17

2.455+/-0.001 χ^2/NDF : 24793146.9/38

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: 48.838+/-260.113 χ^2/NDF : 0.0/0

Right Out: 41.335+/-84.288 χ^2/NDF : 14.0/19

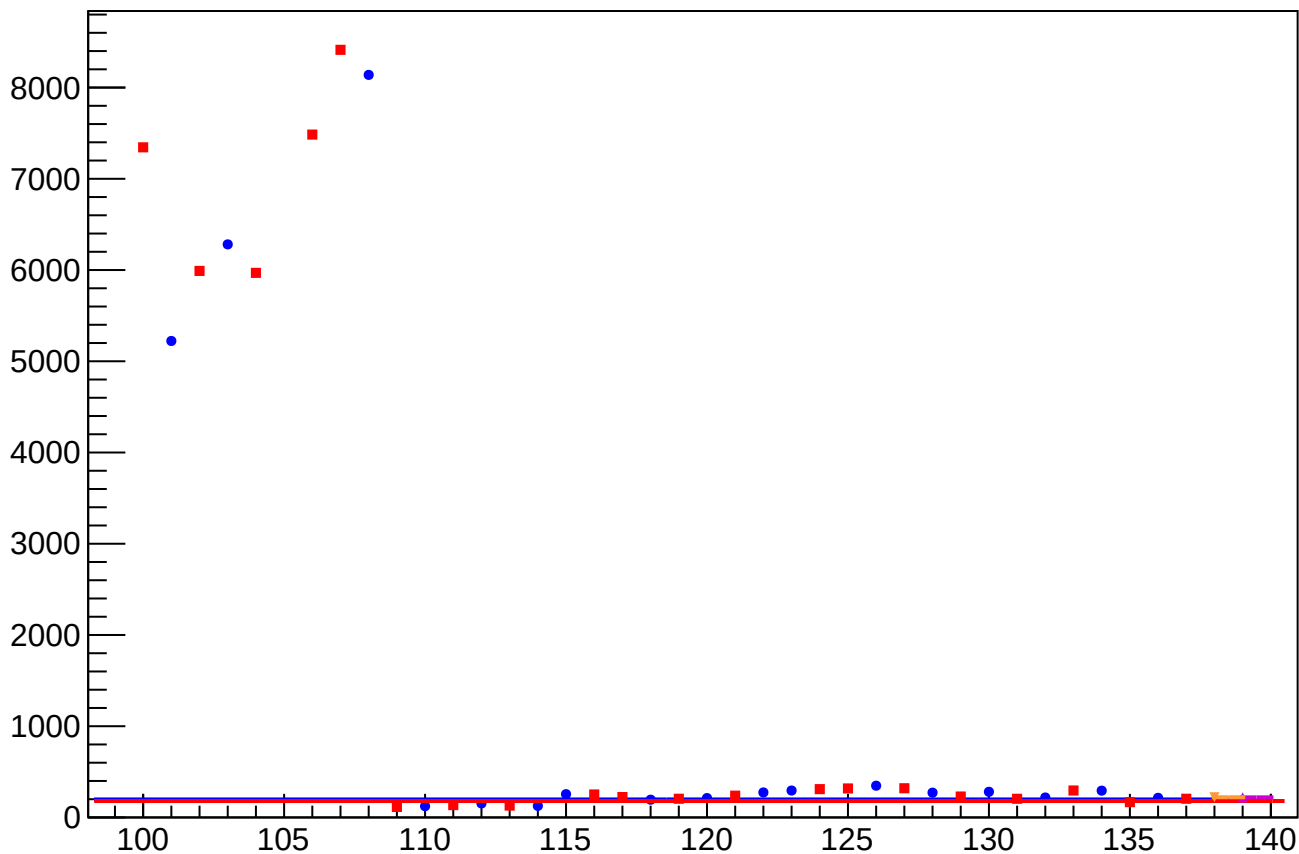
Left In: 422.438+/-262.902 χ^2/NDF : 0.0/0

90.210+/-86.490 χ^2/NDF : 12.0/17

83.035+/-58.833 χ^2/NDF : 28.0/38

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: 221.182+/-0.184 χ^2/NDF : 0.0/0

Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

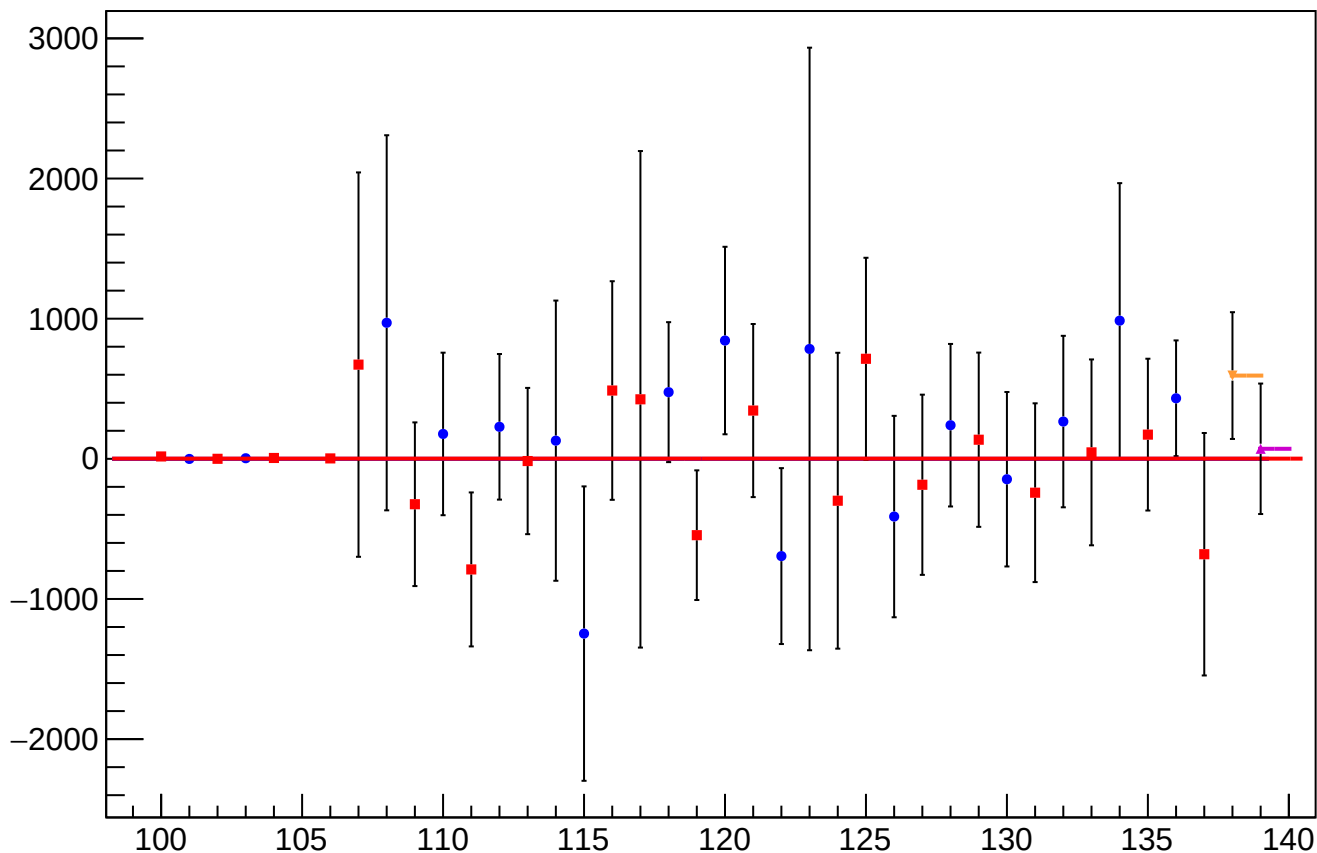
Left In: 220.318+/-0.186 χ^2/NDF : 0.0/0

200.049+/-0.061 χ^2/NDF : 3710691.7/17

191.418+/-0.042 χ^2/NDF : 8114567.8/38

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: 593.976 ± 452.268 χ^2/NDF : 0.0/0

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.6/19

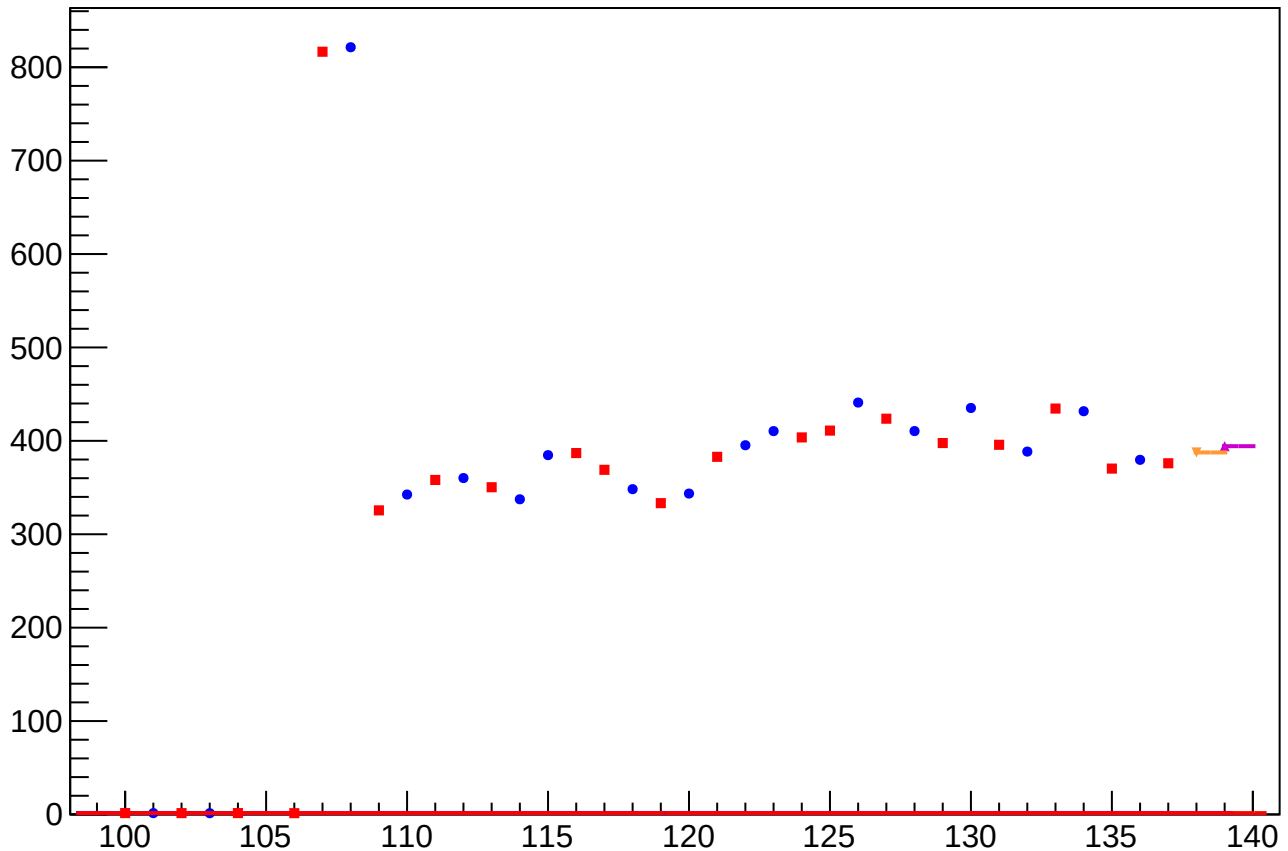
Left In: 71.565 ± 465.491 χ^2/NDF : 0.0/0

-0.130 ± 1.737 χ^2/NDF : 11.5/17

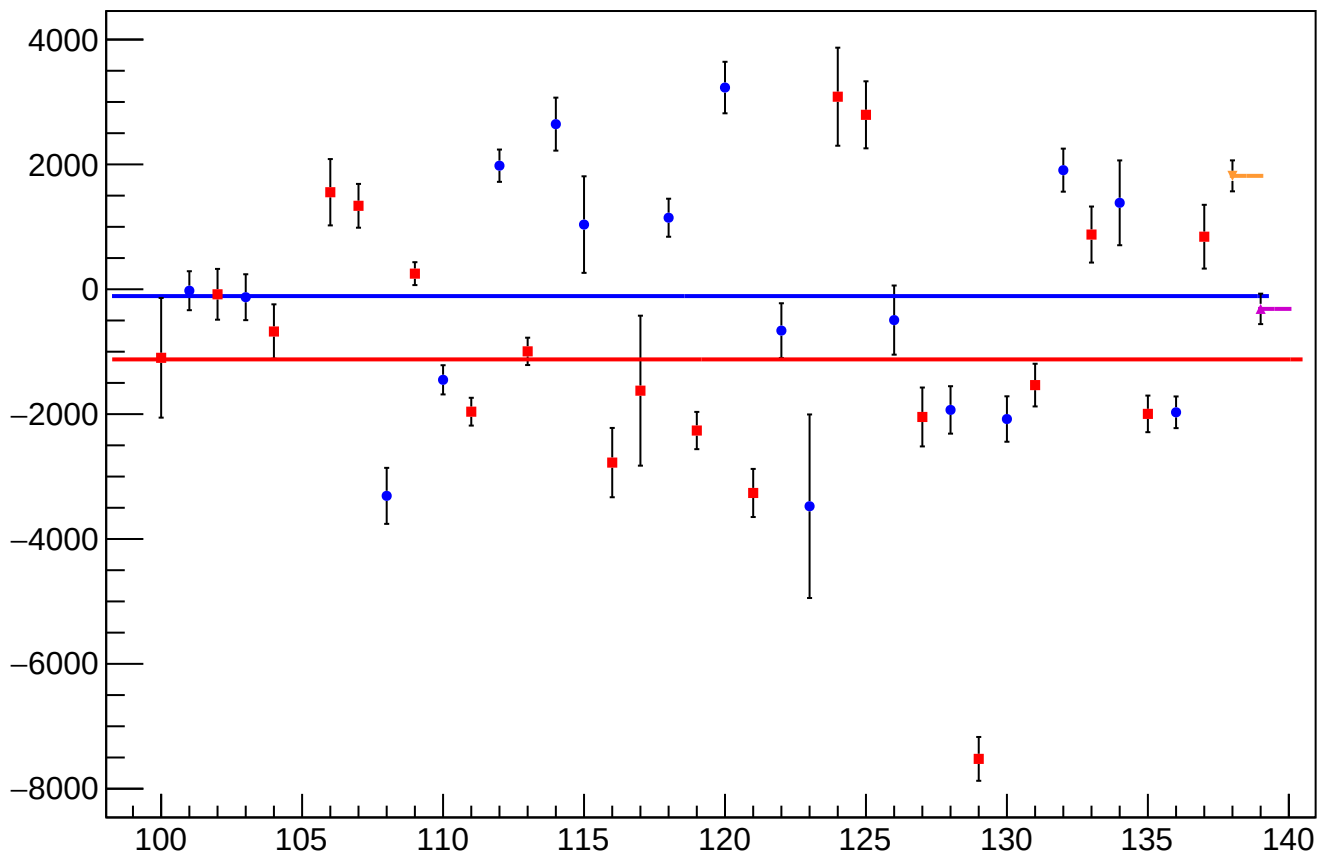
0.647 ± 1.186 χ^2/NDF : 21.5/38

1.325 ± 1.623 χ^2/NDF : 9.6/20

asym_cav4dQ_rms vs Slug, Sign Corrected



asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 ± 87.961 χ^2/NDF : 428.3/16

Left Out: 1816.614 ± 248.032 χ^2/NDF : 0.0/0

Right Out: -1123.337 ± 78.230 χ^2/NDF : 670.2/19

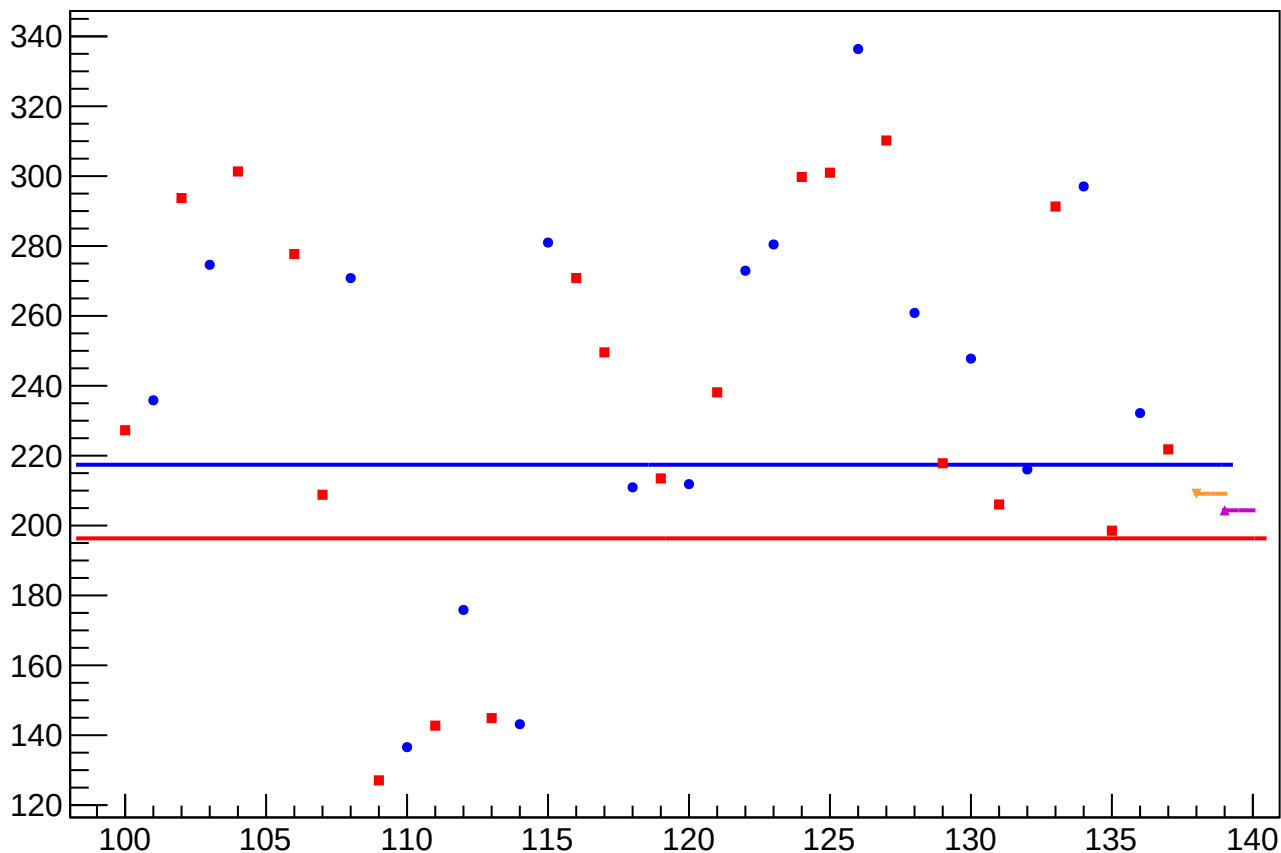
Left In: -314.275 ± 243.699 χ^2/NDF : 0.0/0

105.924 ± 82.902 χ^2/NDF : 481.9/17

-532.434 ± 55.407 χ^2/NDF : 1269.3/38

-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: 209.106 $\pm$ 0.175 χ^2 /NDF: 0.0/0

Right Out: 196.339 $\pm$ 0.055 χ^2 /NDF: 1194805.7/19

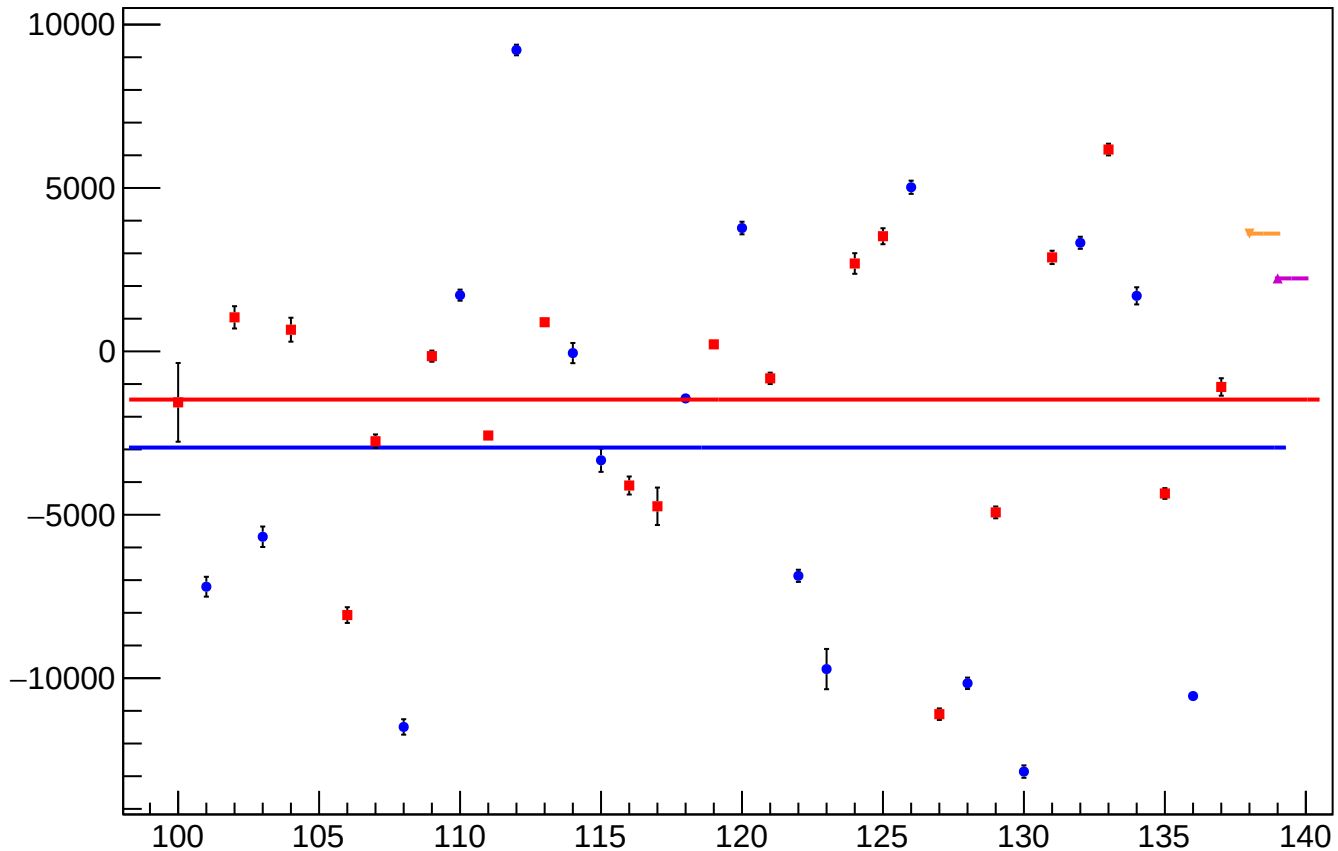
Left In: 204.362 $\pm$ 0.172 χ^2 /NDF: 0.0/0

216.476 $\pm$ 0.059 χ^2 /NDF: 654620.7/17

205.748 $\pm$ 0.039 χ^2 /NDF: 1911914.4/38

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: 3603.660 ± 140.015 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -1474.497 ± 46.252 $\chi^2/\text{NDF}: 8028.6/19$

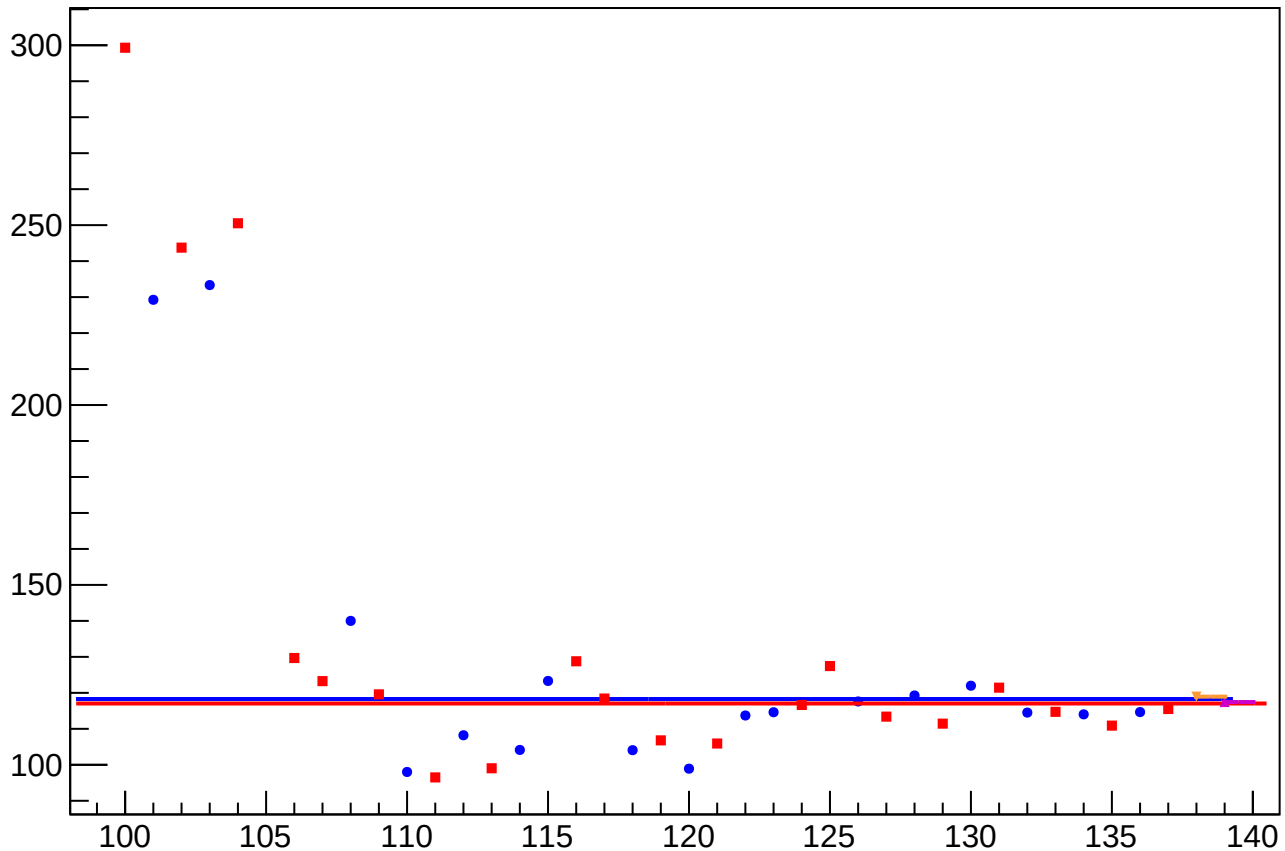
Left In: 2232.735 ± 142.021 $\chi^2/\text{NDF}: 0.0/0$

-2238.850 ± 45.923 $\chi^2/\text{NDF}: 22860.9/17$

-1654.719 ± 31.763 $\chi^2/\text{NDF}: 31815.7/38$

-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: 118.947 $\pm$ 0.099 χ^2 /NDF: 0.0/0

Right Out: 117.040 $\pm$ 0.033 χ^2 /NDF: 690873.1/19

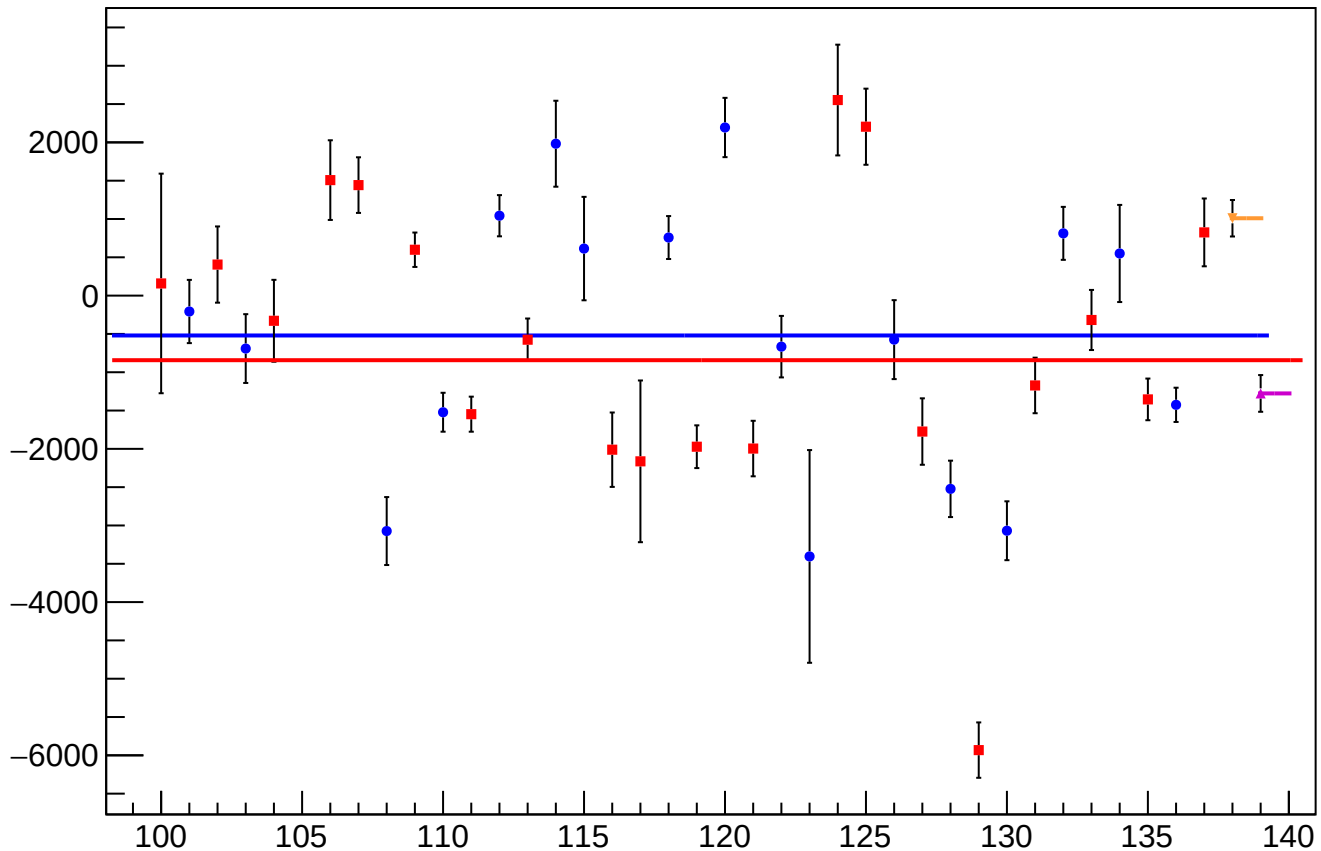
Left In: 117.446 $\pm$ 0.100 χ^2 /NDF: 0.0/0

118.357 $\pm$ 0.032 χ^2 /NDF: 636957.9/17

117.690 $\pm$ 0.022 χ^2 /NDF: 1328652.9/38

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: 1009.713 $\pm$ 238.051 χ^2 /NDF: 0.0/0

Right Out: -842.858 $\pm$ 82.024 χ^2 /NDF: 436.3/19

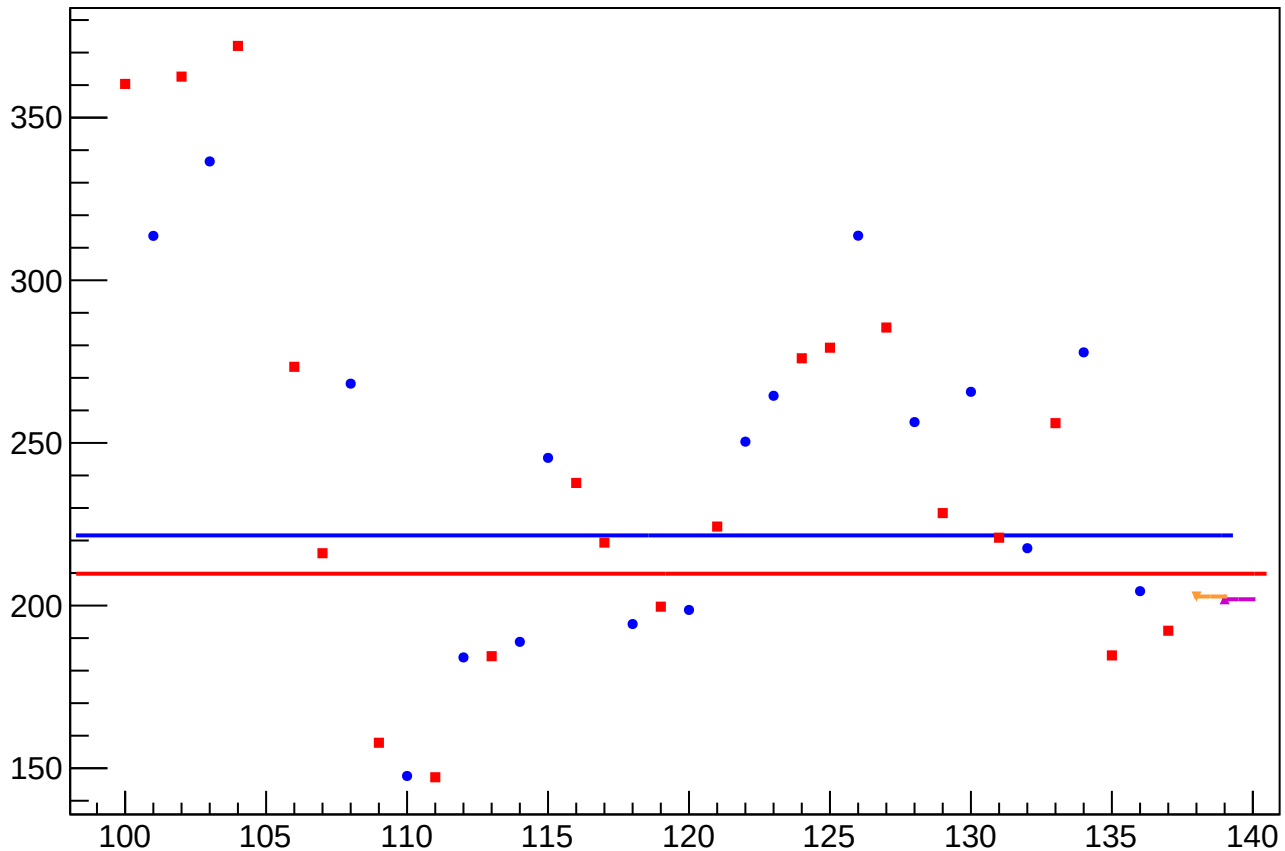
Left In: -1276.540 $\pm$ 239.657 χ^2 /NDF: 0.0/0

-331.744 $\pm$ 83.562 χ^2 /NDF: 324.3/17

-630.583 $\pm$ 56.864 χ^2 /NDF: 787.4/38

-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: 202.787 $\pm$ 0.168 χ^2 /NDF: 0.0/0

Right Out: 209.794 $\pm$ 0.058 χ^2 /NDF: 884087.4/19

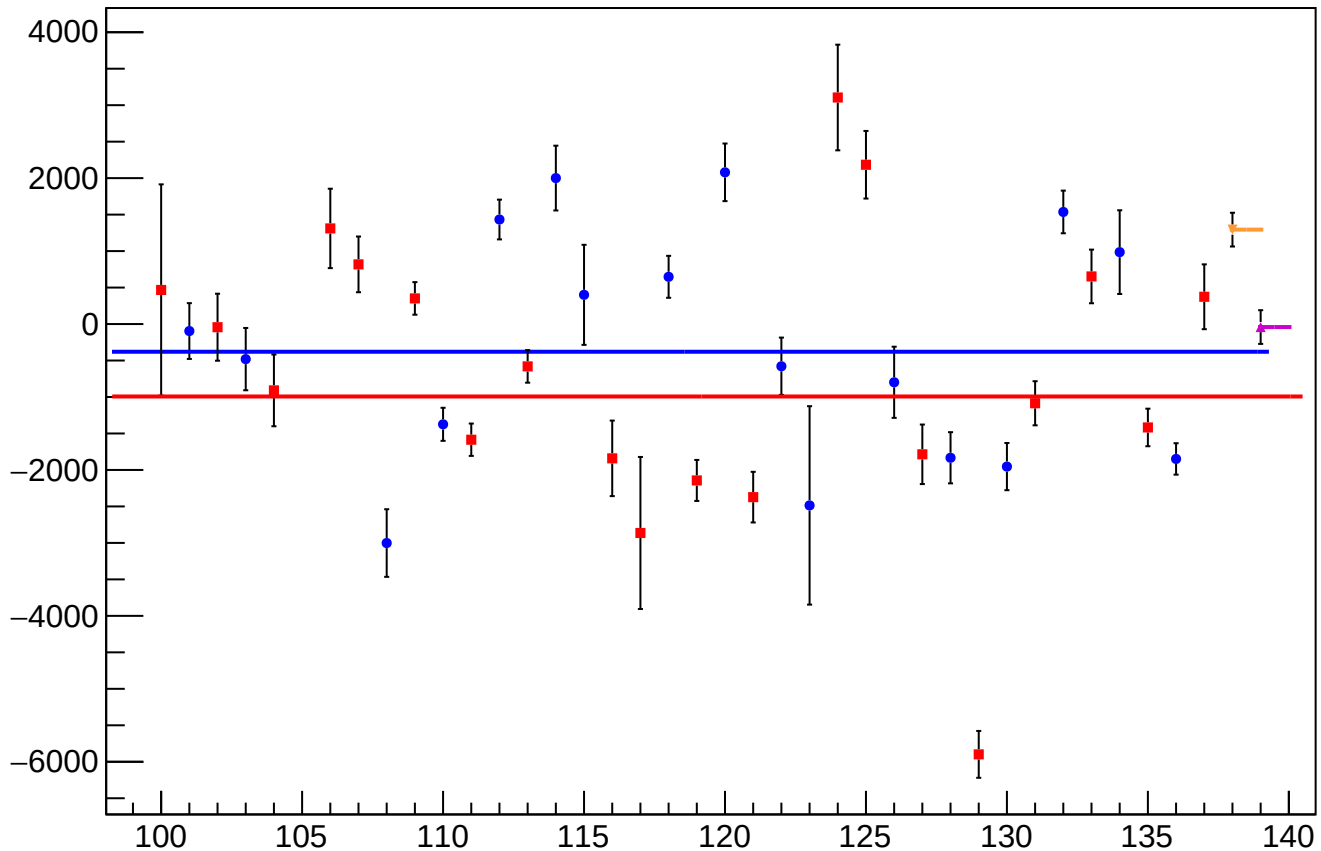
Left In: 201.941 $\pm$ 0.169 χ^2 /NDF: 0.0/0

219.255 $\pm$ 0.059 χ^2 /NDF: 655857.7/17

213.733 $\pm$ 0.040 χ^2 /NDF: 1558134.2/38

208.971 $\pm$ 0.055 χ^2 /NDF: 886009.7/20

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1294.149 ± 231.329 χ^2/NDF : 0.0/0

Right Out: -992.944 ± 77.509 χ^2/NDF : 479.5/19

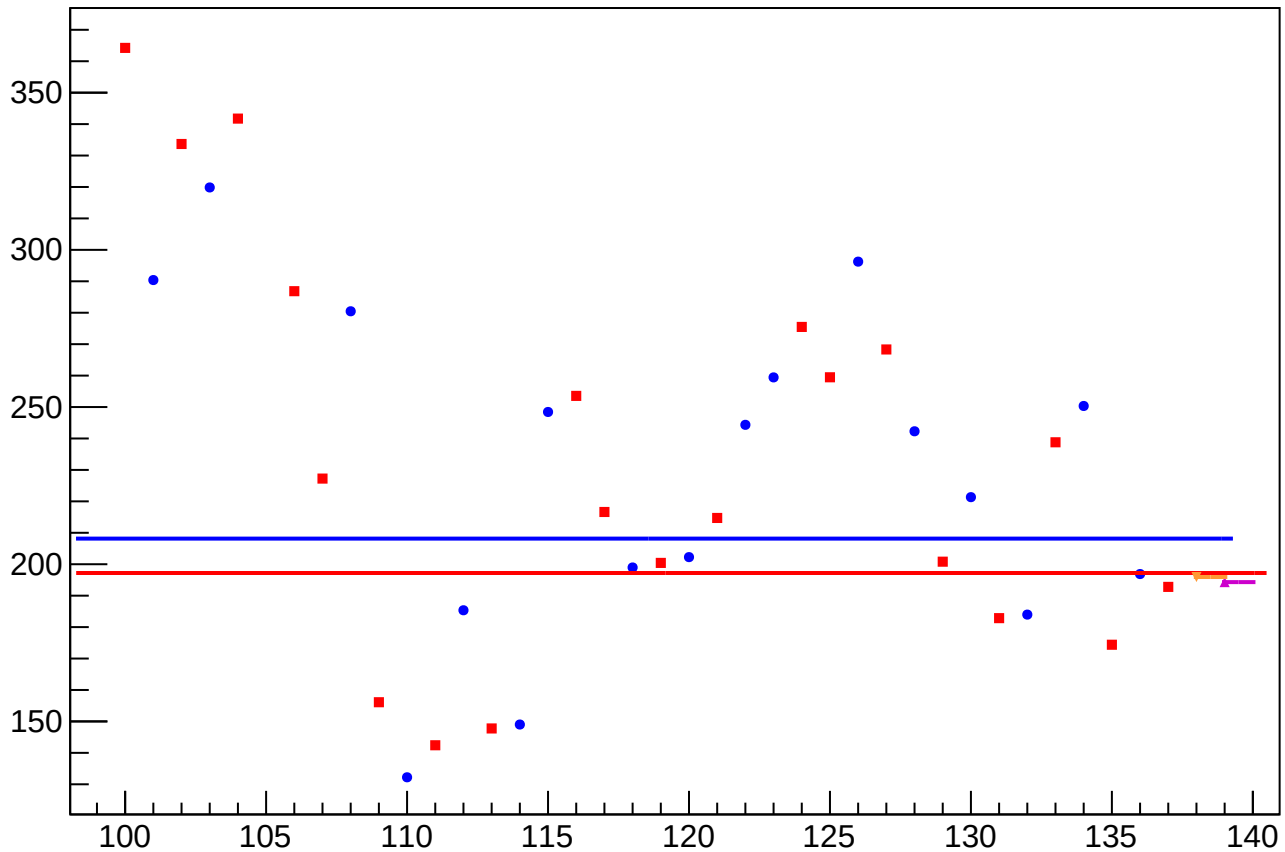
Left In: -41.098 ± 231.087 χ^2/NDF : 0.0/0

-183.593 ± 79.171 χ^2/NDF : 363.4/17

-566.662 ± 53.860 χ^2/NDF : 901.7/38

-896.689 ± 73.486 χ^2/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: 195.931+/-0.164 χ^2/NDF : 0.0/0

Right Out: 197.210+/-0.055 χ^2/NDF : 927165.0/19

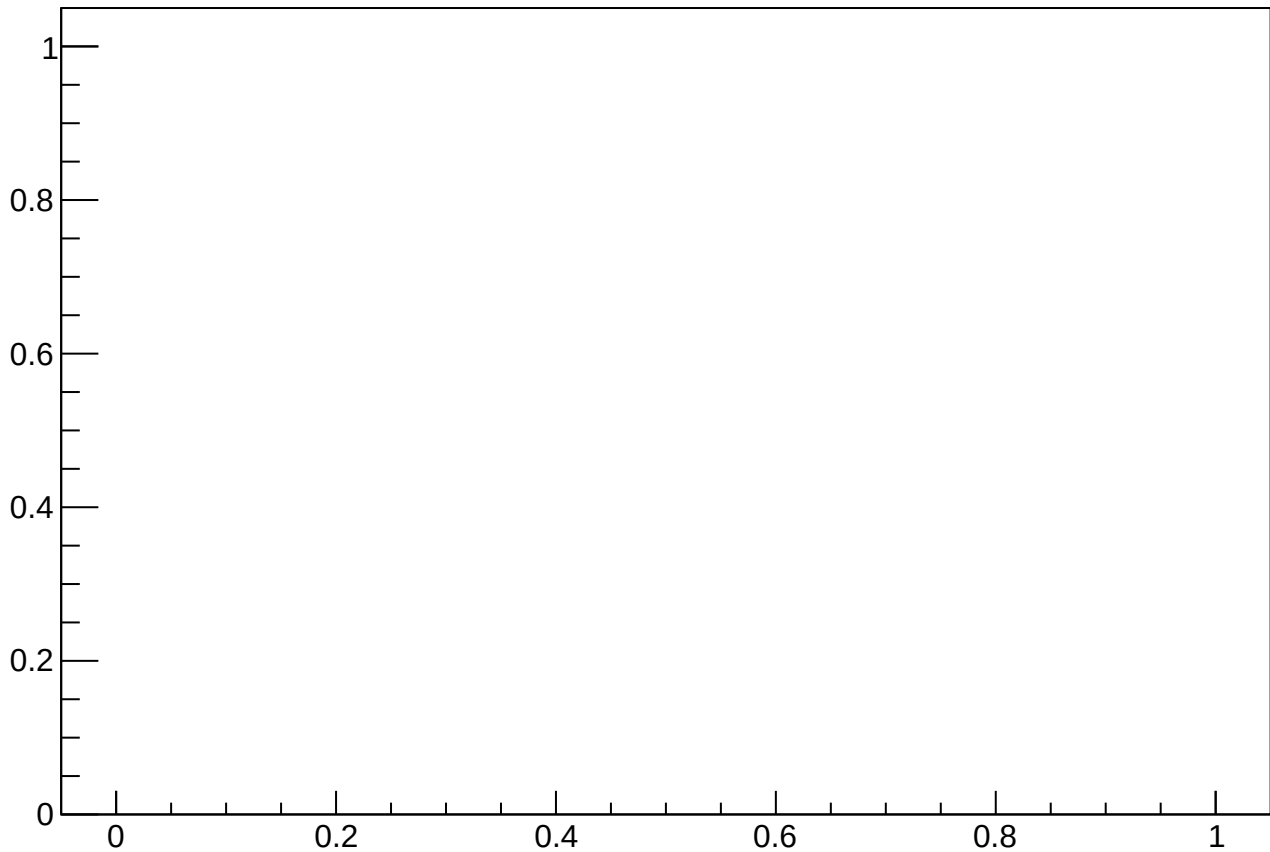
Left In: 194.311+/-0.163 χ^2/NDF : 0.0/0

206.719+/-0.056 χ^2/NDF : 704011.6/17

201.454+/-0.038 χ^2/NDF : 1647928.8/38

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

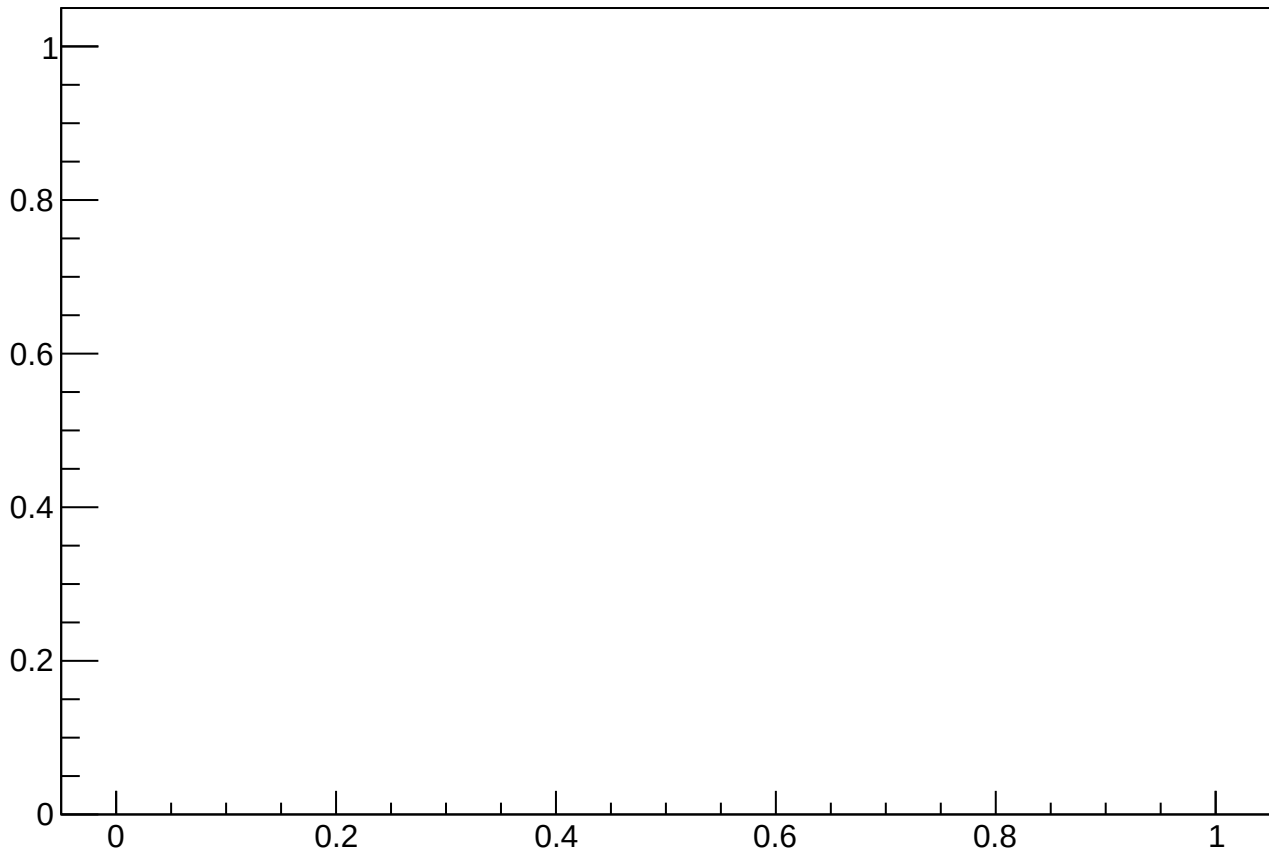
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

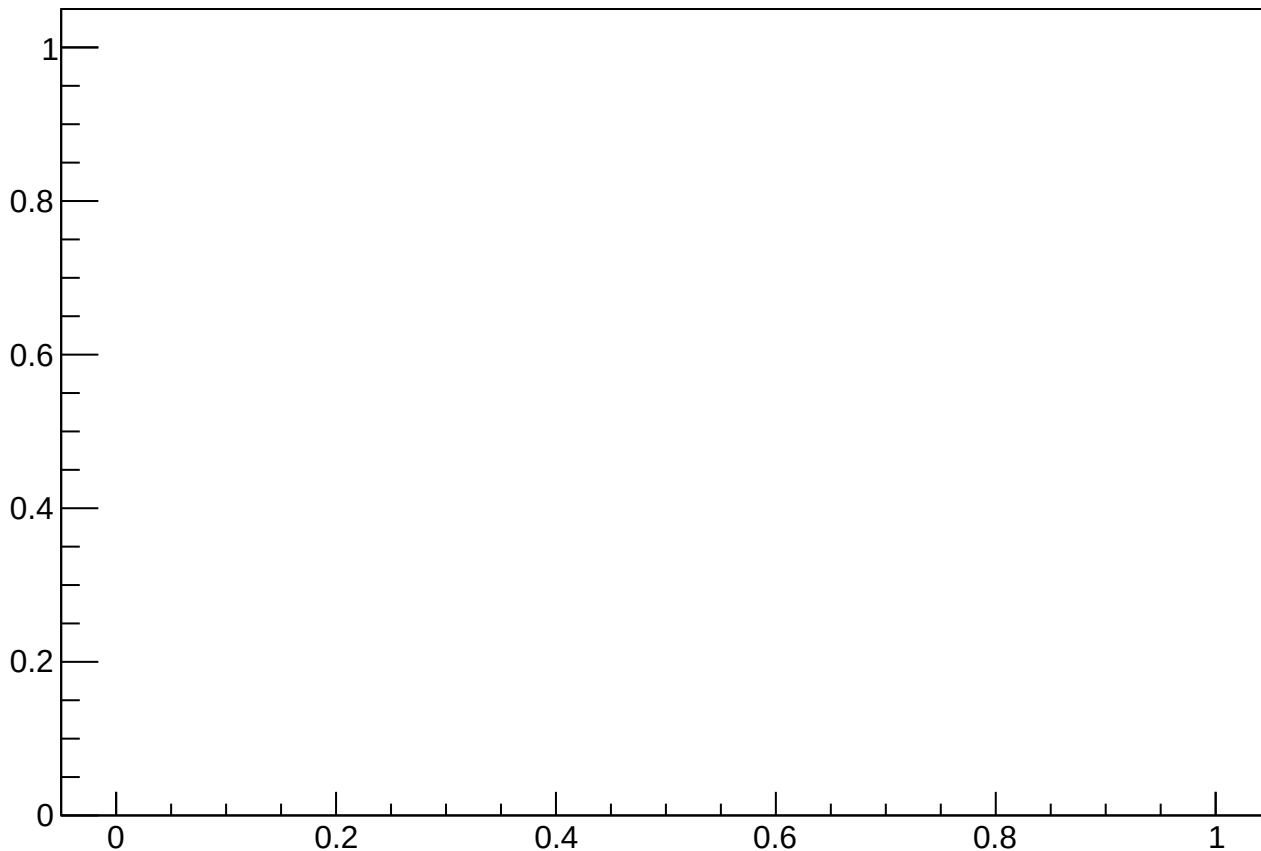
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

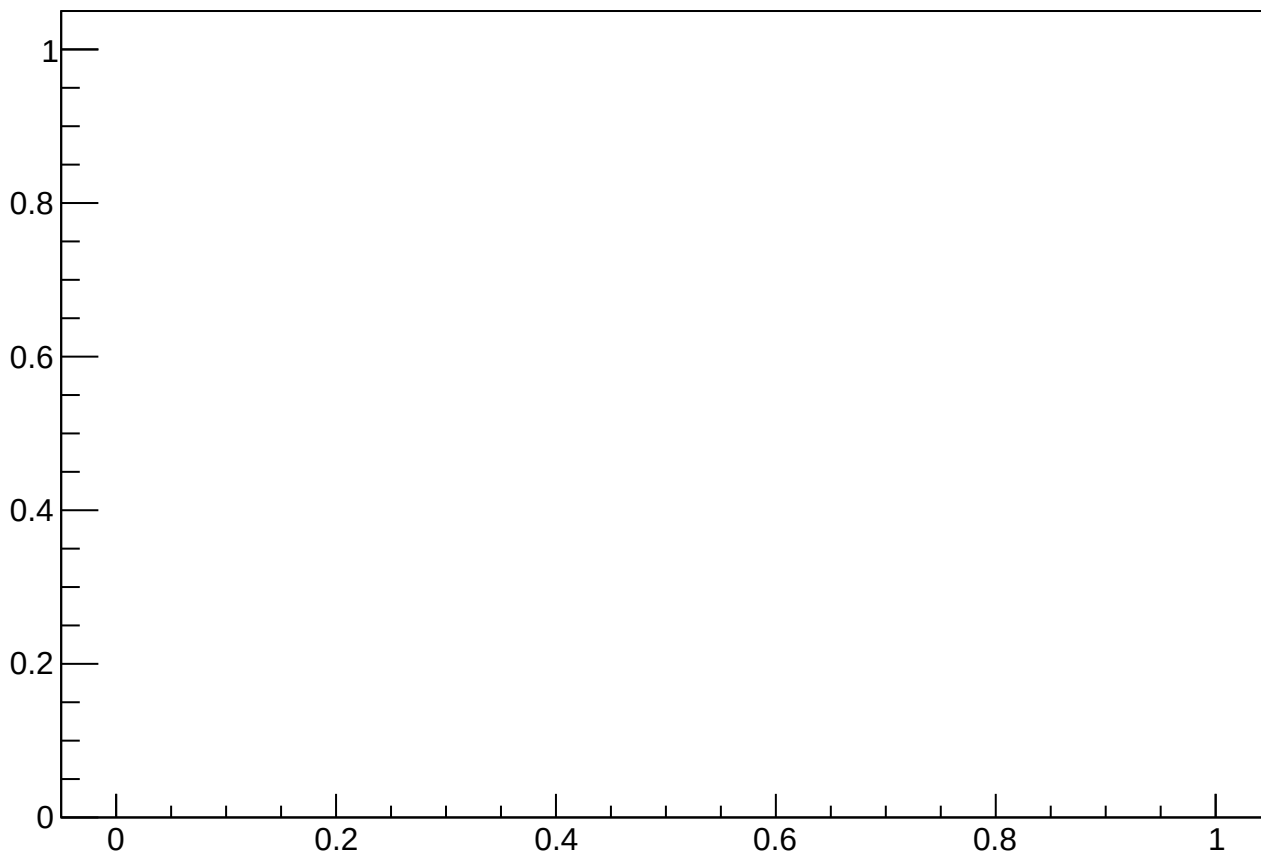
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

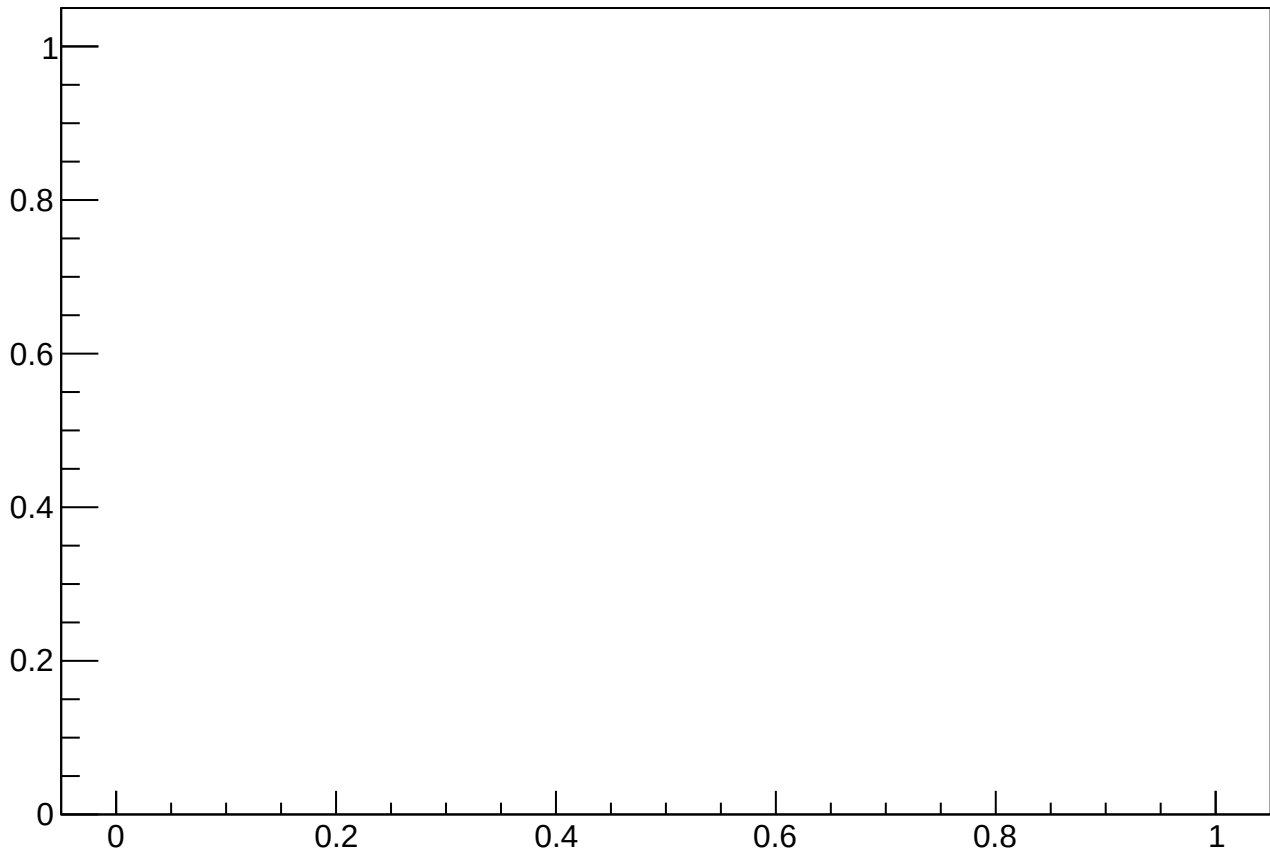
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

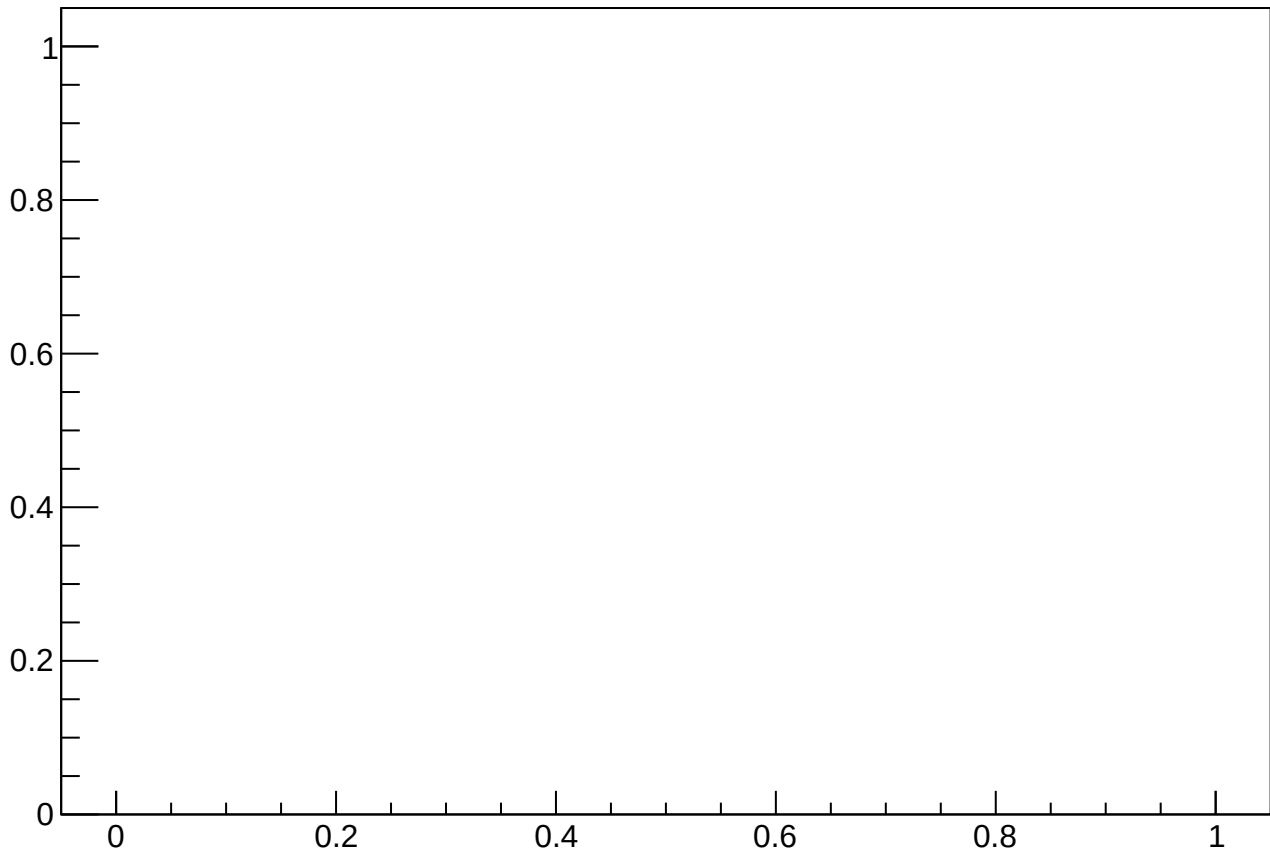
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

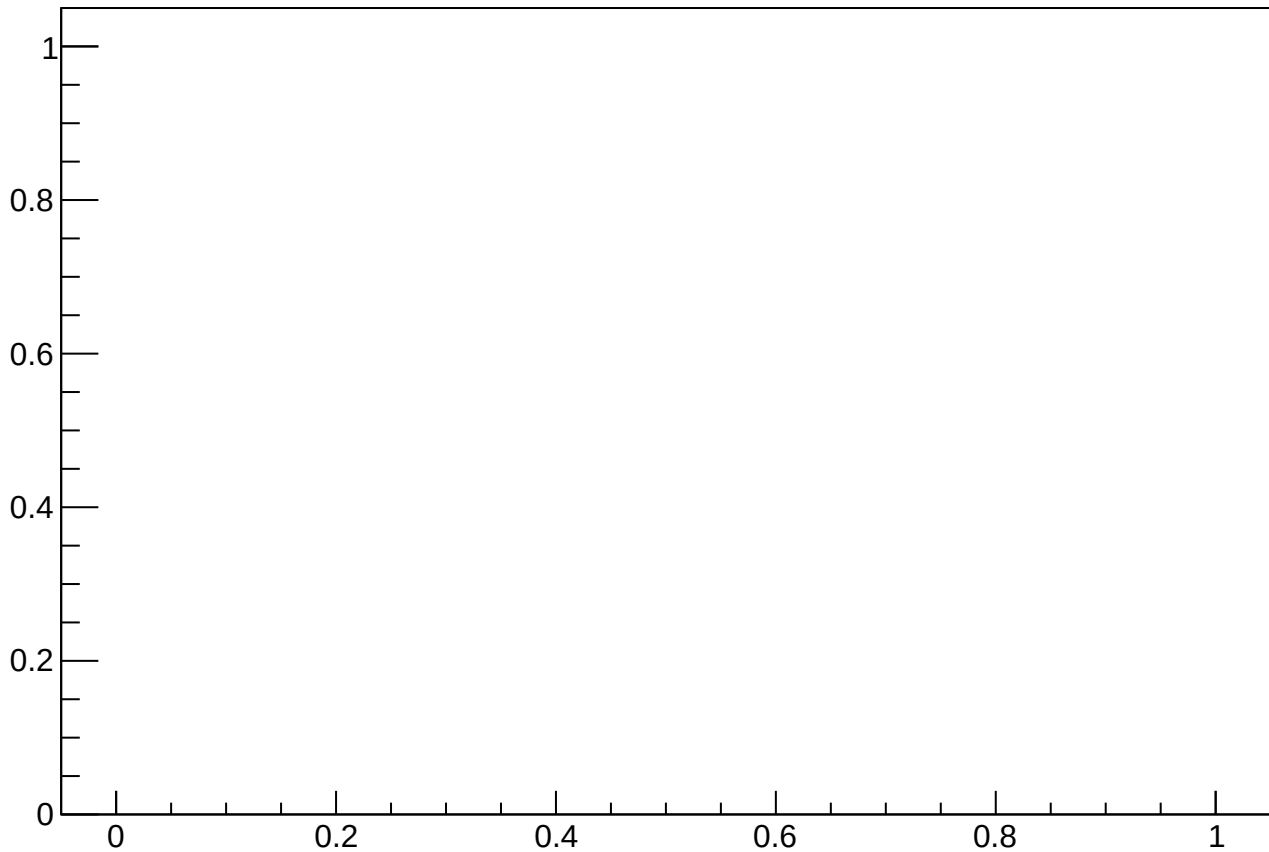
bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

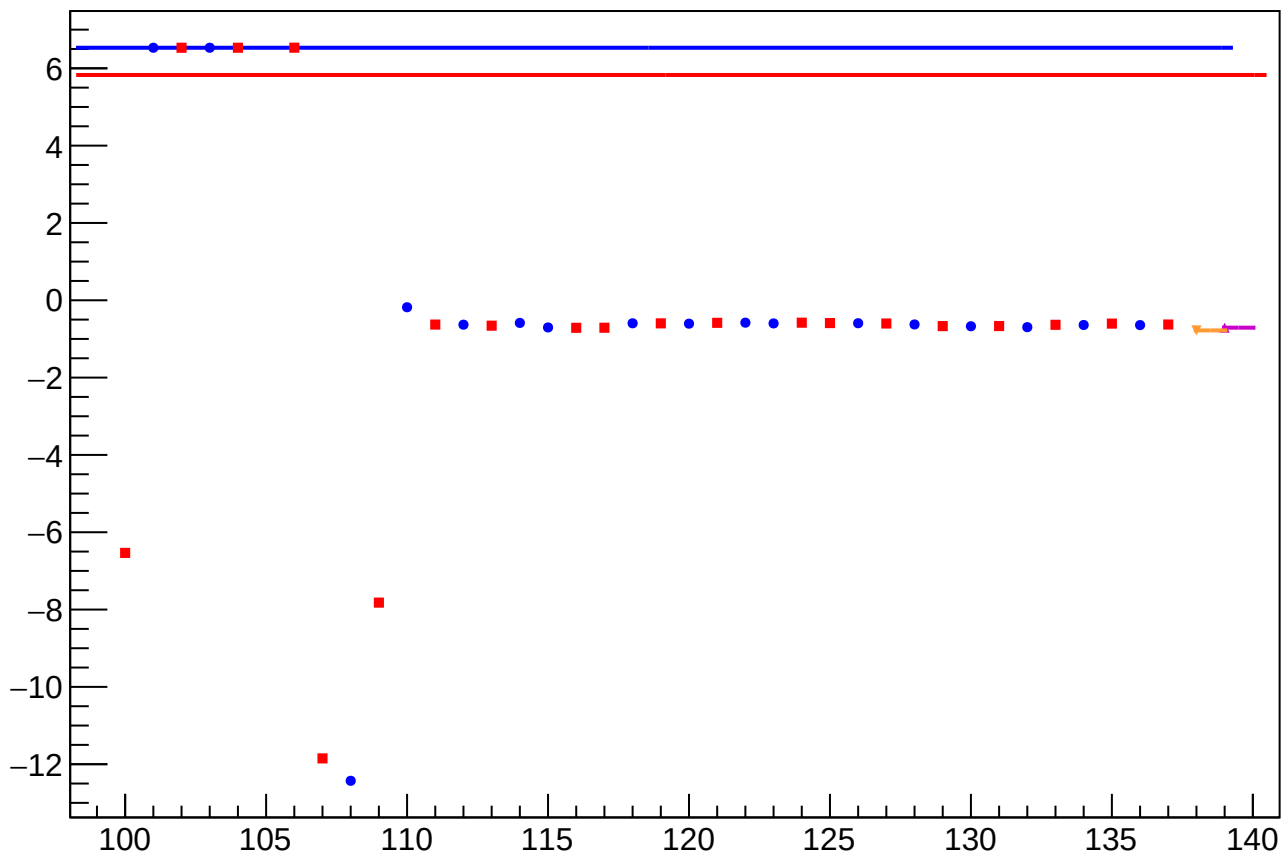
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -0.780+/-0.000 χ^2/NDF : 0.0/0

Right Out: 5.827+/-0.000 χ^2/NDF : 755964092355063.0/19

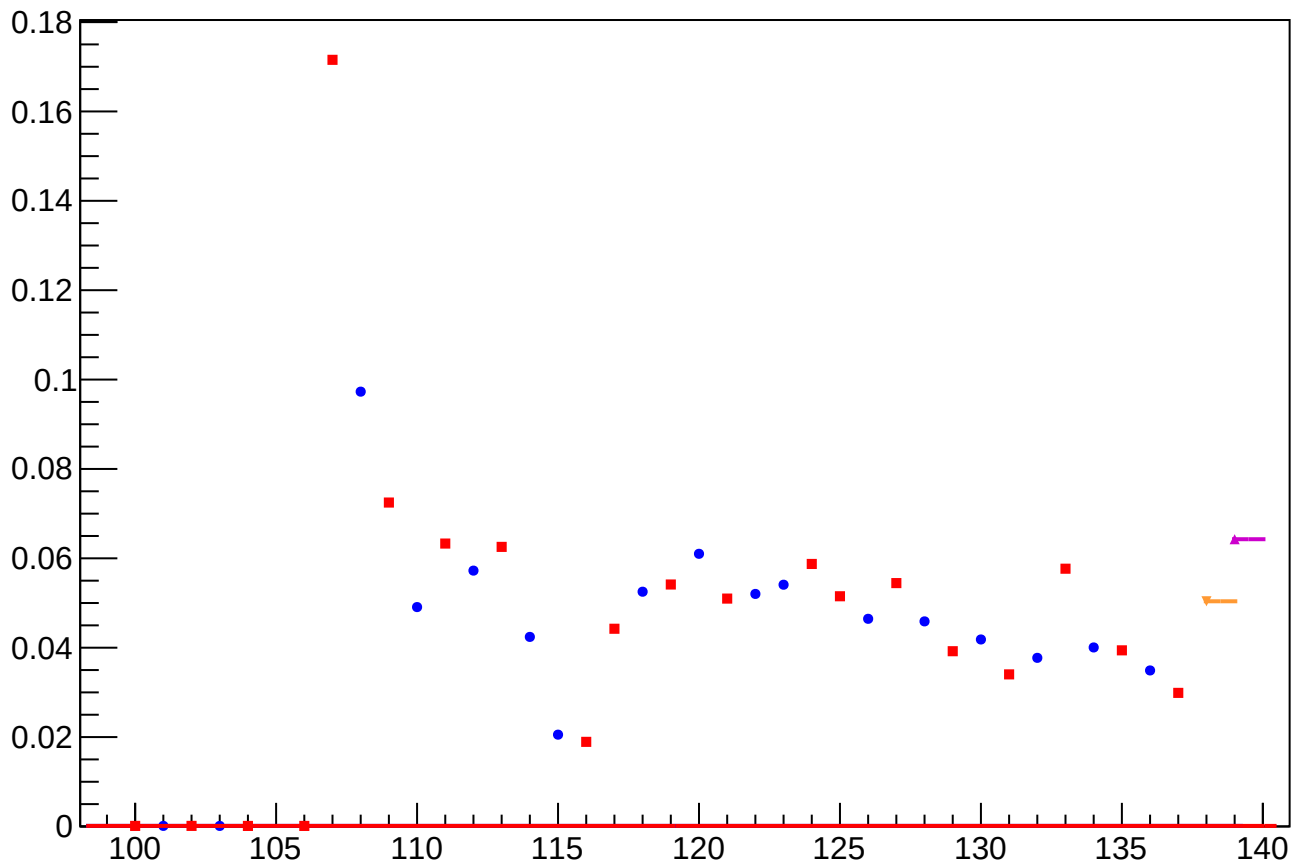
Left In: -0.709+/-0.000 χ^2/NDF : 0.0/0

6.532+/-0.000 χ^2/NDF : 140064952434.7/17

6.155+/-0.000 χ^2/NDF : 77611505918407

5.827+/-0.000 χ^2/NDF : 755971314050729.2/20

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.050+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

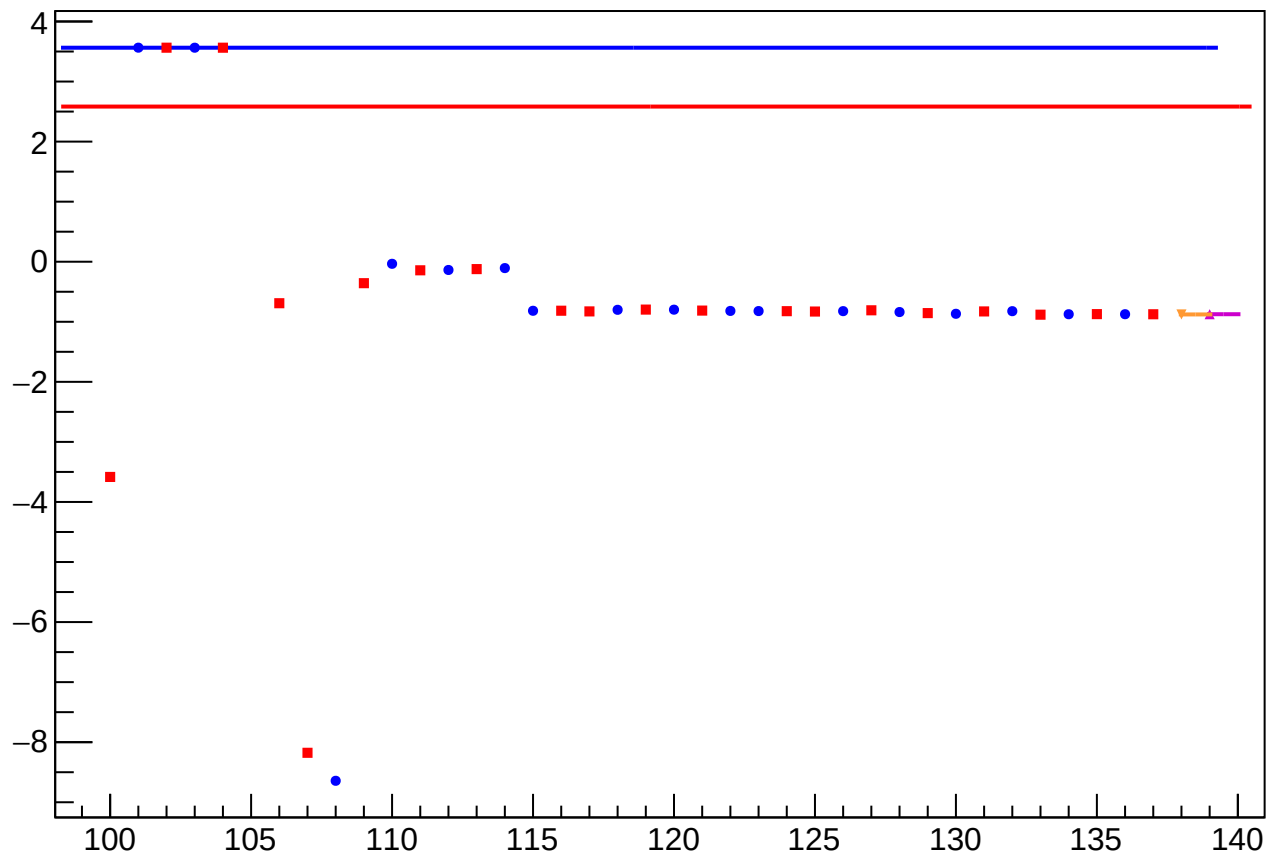
Left In: 0.064+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 10102194.1/17

0.000+/-0.000 χ^2/NDF : 20923154.2/38

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: -0.878+/-0.000 χ^2/NDF : 0.0/0

Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

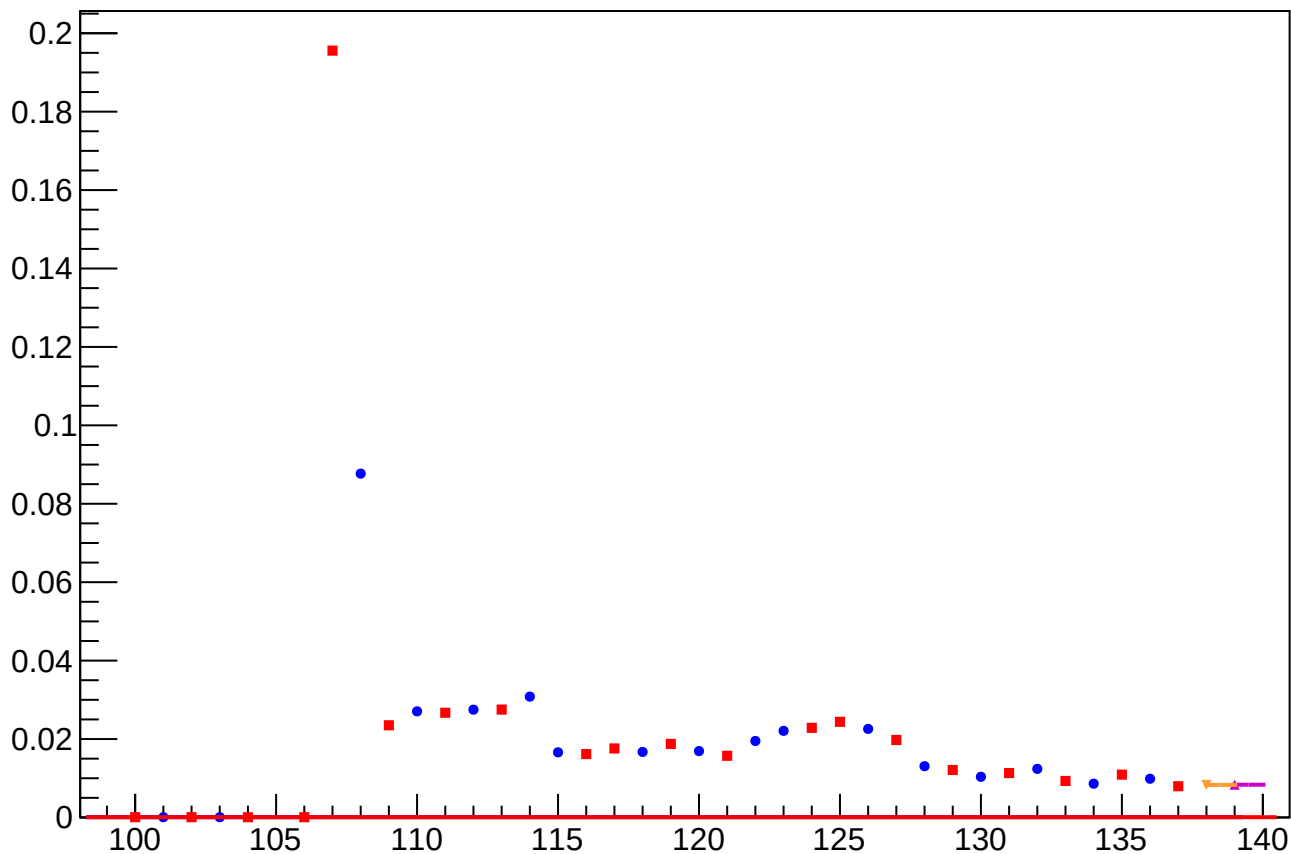
Left In: -0.874+/-0.000 χ^2/NDF : 0.0/0

3.563+/-0.000 χ^2/NDF : 683306455103.7/17

3.040+/-0.000 χ^2/NDF : 13825698607195

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 : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

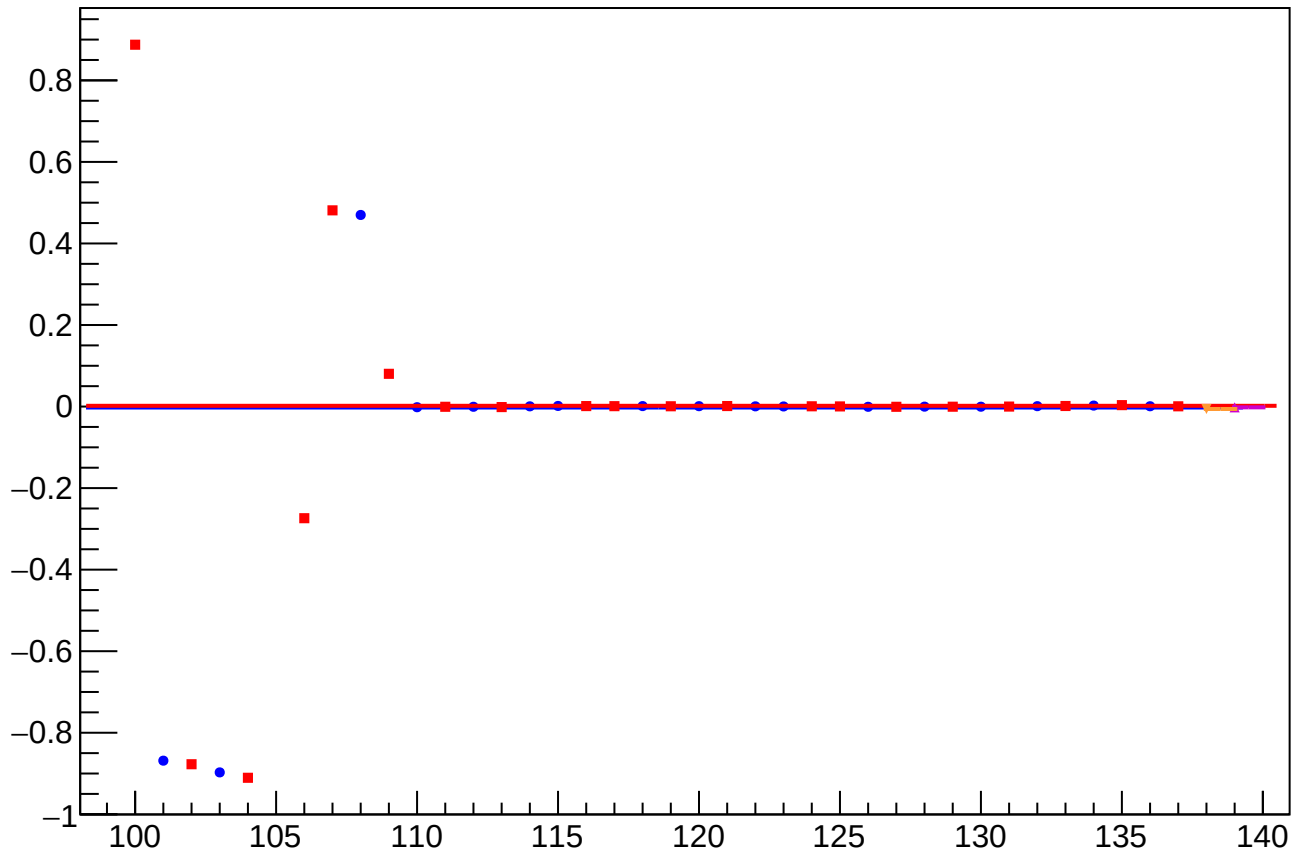
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 11108059.5/17

0.000+/-0.000 χ^2/NDF : 22446791.2/38

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: -0.006+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

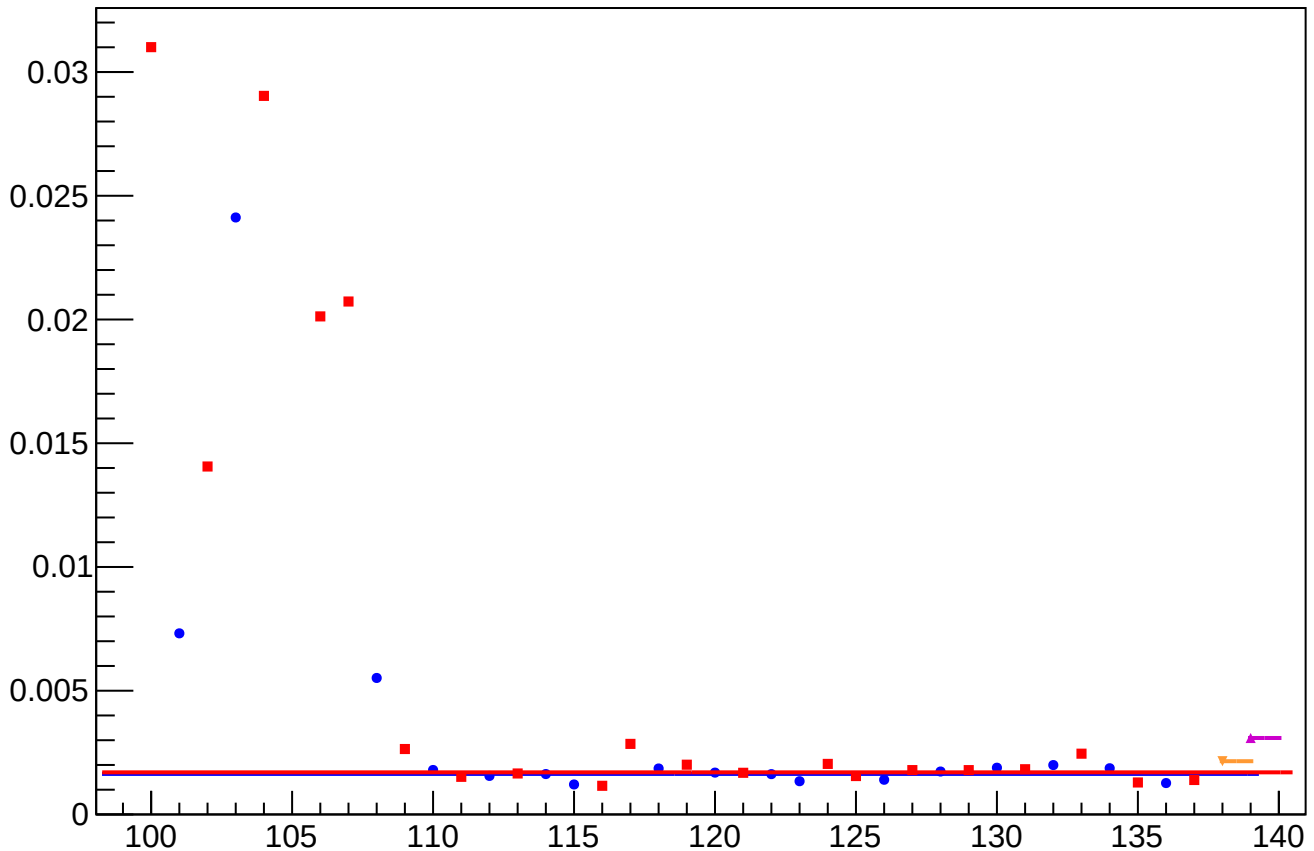
Left In: -0.002+/-0.000 χ^2/NDF : 0.0/0

-0.003+/-0.000 χ^2/NDF : 9796430472.0/17

-0.001+/-0.000 χ^2/NDF : 12854441099.5/17

0.002+/-0.000 χ^2/NDF : 3042354890.2/20

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.002+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

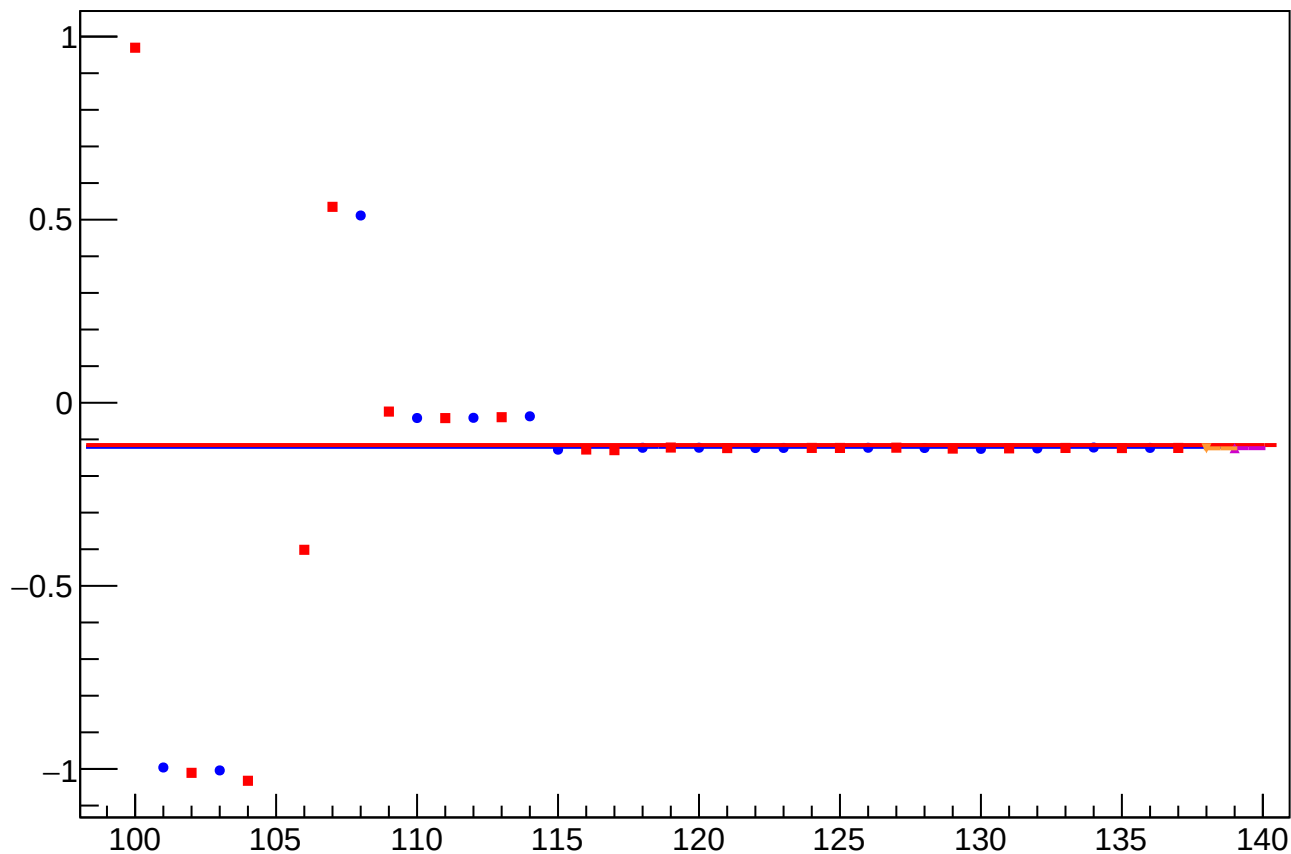
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 1979350.2/17

0.002+/-0.000 χ^2/NDF : 5307875.2/38

0.002+/-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 : 0.0/0

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

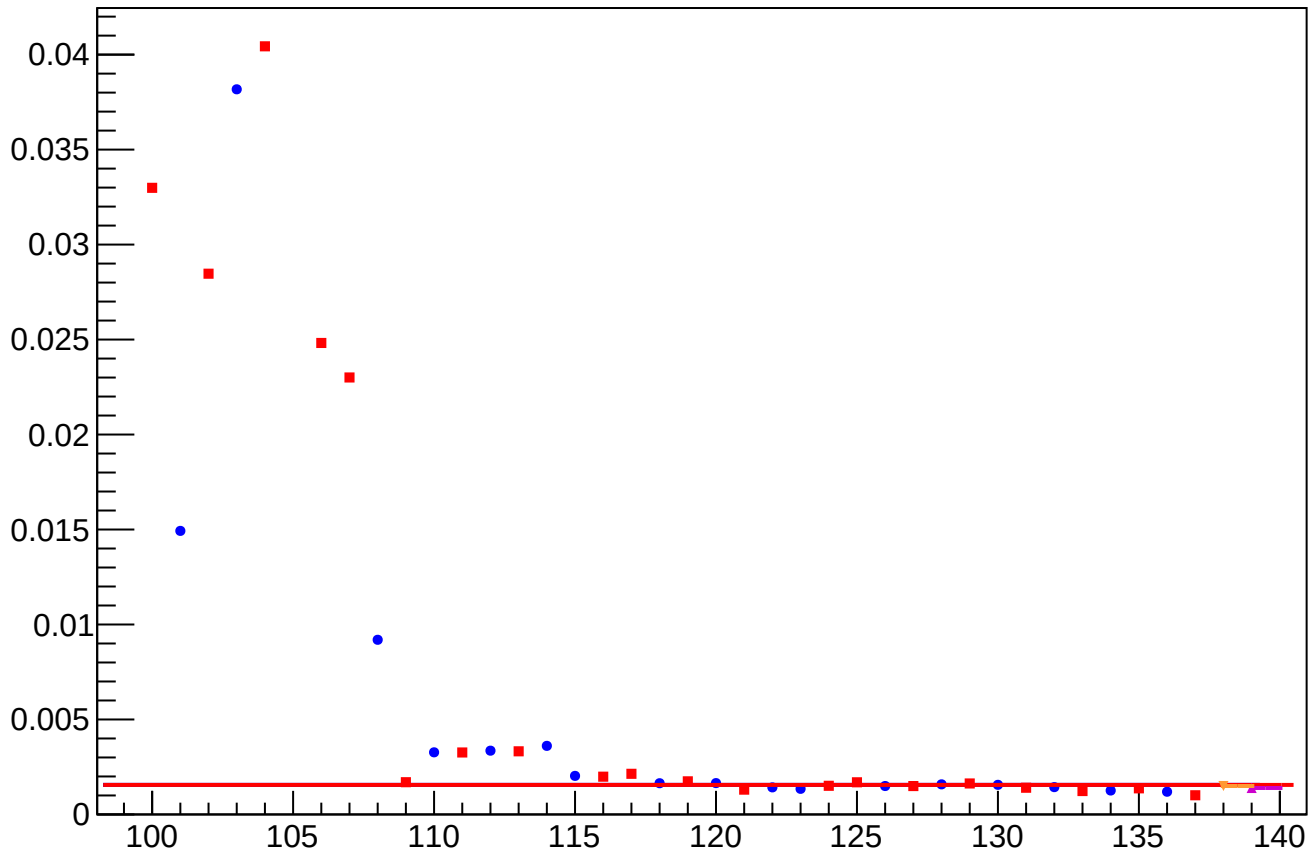
Left In: -0.124+/-0.000 χ^2/NDF : 0.0/0

-0.121+/-0.000 χ^2/NDF : 3936461362.4/17

-0.119+/-0.000 χ^2/NDF : 6434179492.7/30

-0.117+/-0.000 χ^2/NDF : 2478942030.8/20

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

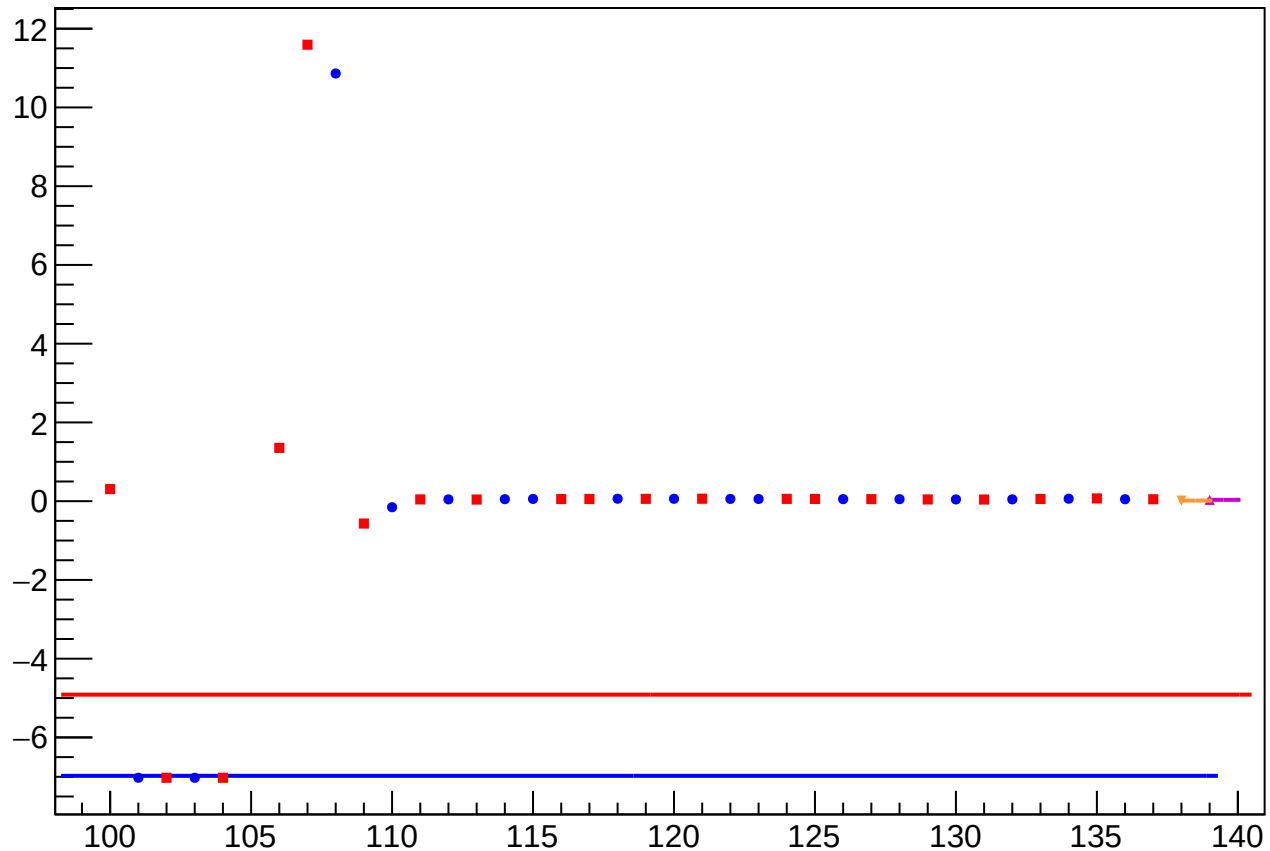
Left In: 0.001+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 2902879.9/17

0.002+/-0.000 χ^2/NDF : 6463397.1/38

0.002+/-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: 0.014+/-0.000 χ^2/NDF : 0.0/0

Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

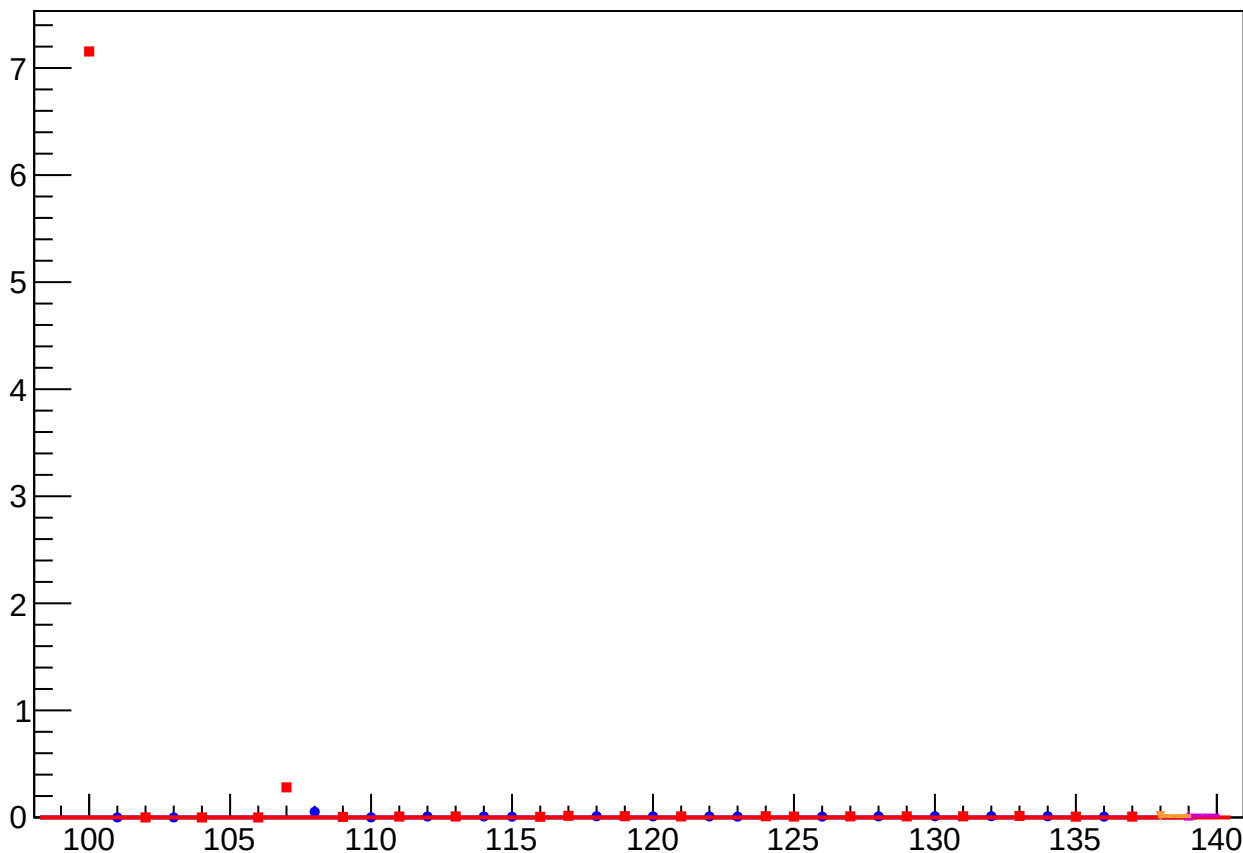
Left In: 0.034+/-0.000 χ^2/NDF : 0.0/0

-6.974+/-0.000 χ^2/NDF : 8934337605581.8/17

-5.899+/-0.000 χ^2/NDF : 43052525901750

-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: 0.013+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

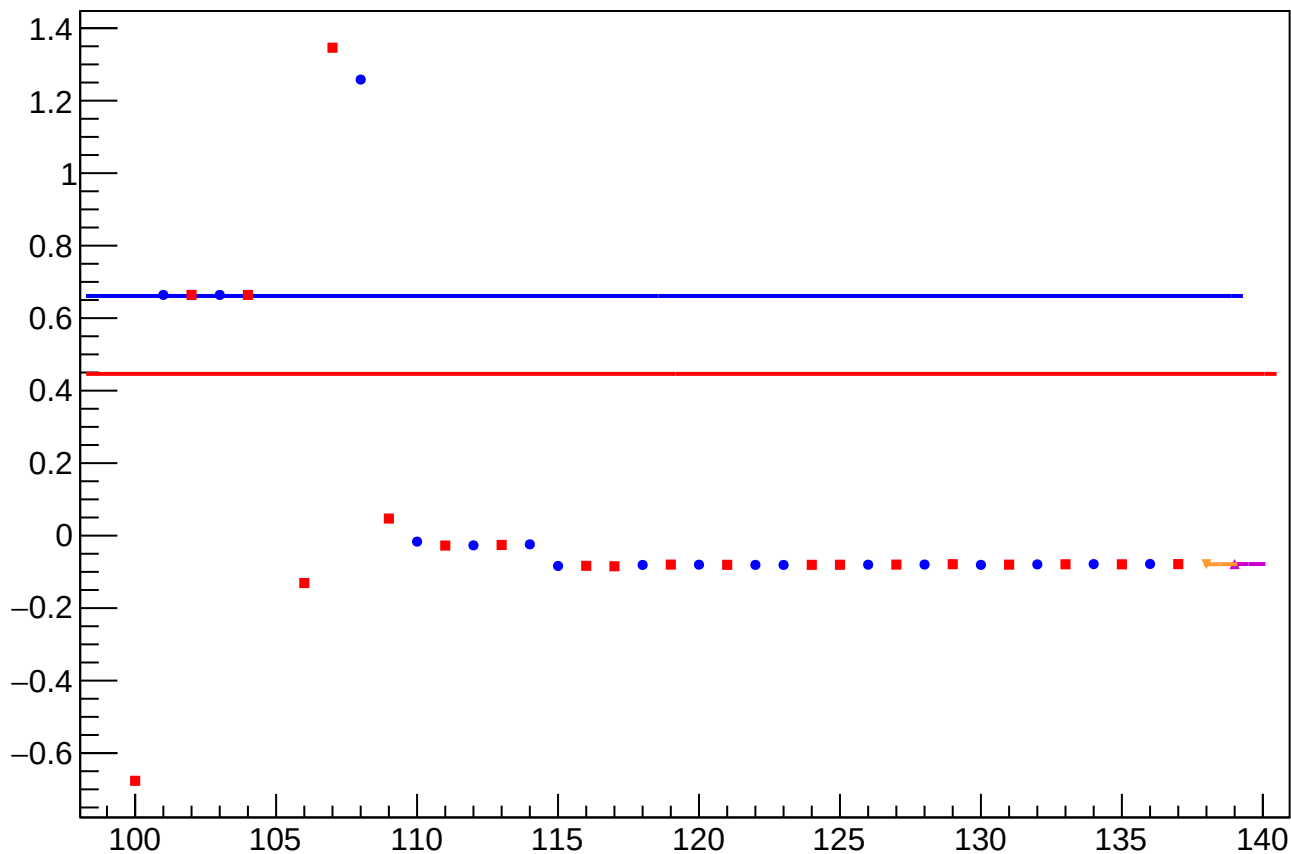
Left In: 0.018+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 9414170.6/17

0.000+/-0.000 χ^2/NDF : 19678230.4/38

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 : 0.0/0

Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

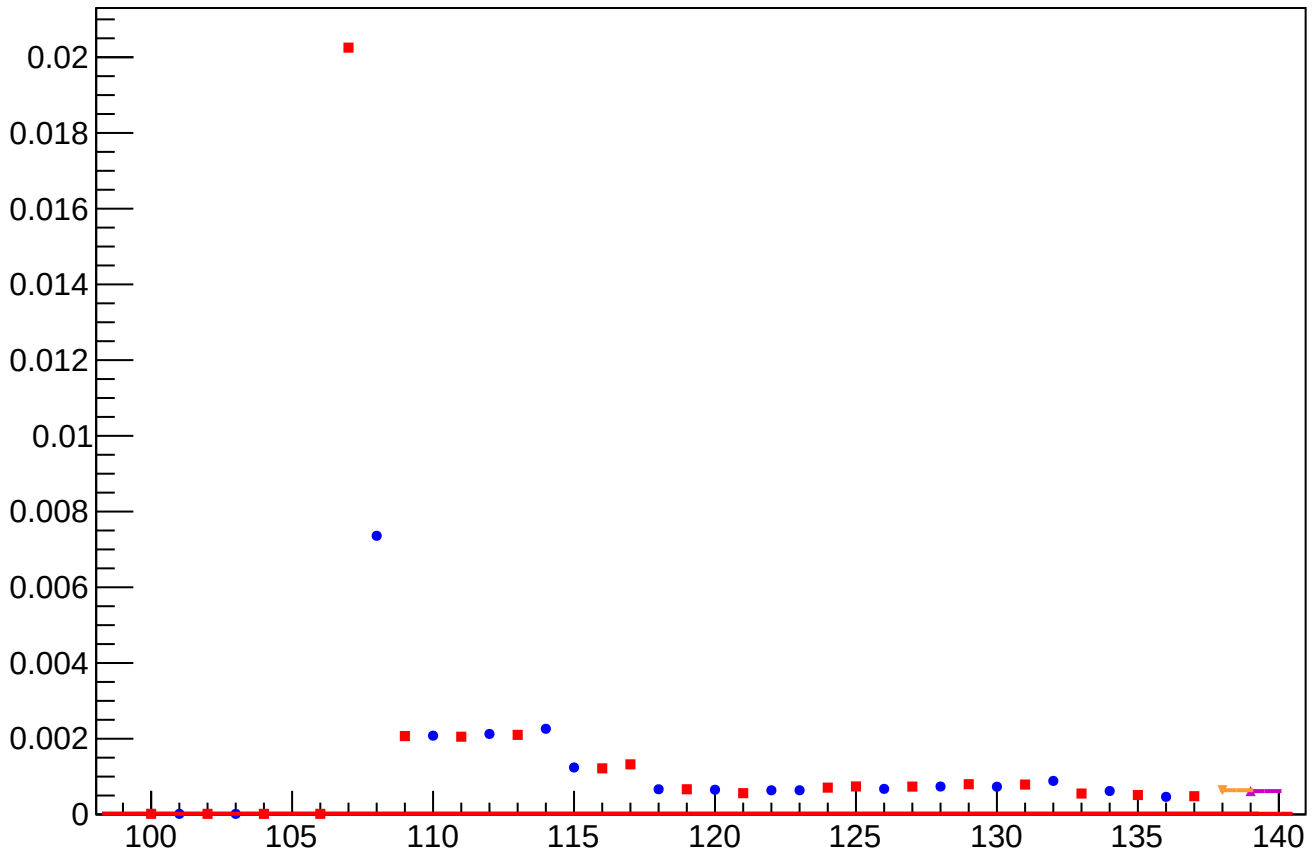
Left In: -0.078+/-0.000 χ^2/NDF : 0.0/0

0.661+/-0.000 χ^2/NDF : 6544385183947.2/17

0.548+/-0.000 χ^2/NDF : 47535524861671

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 : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

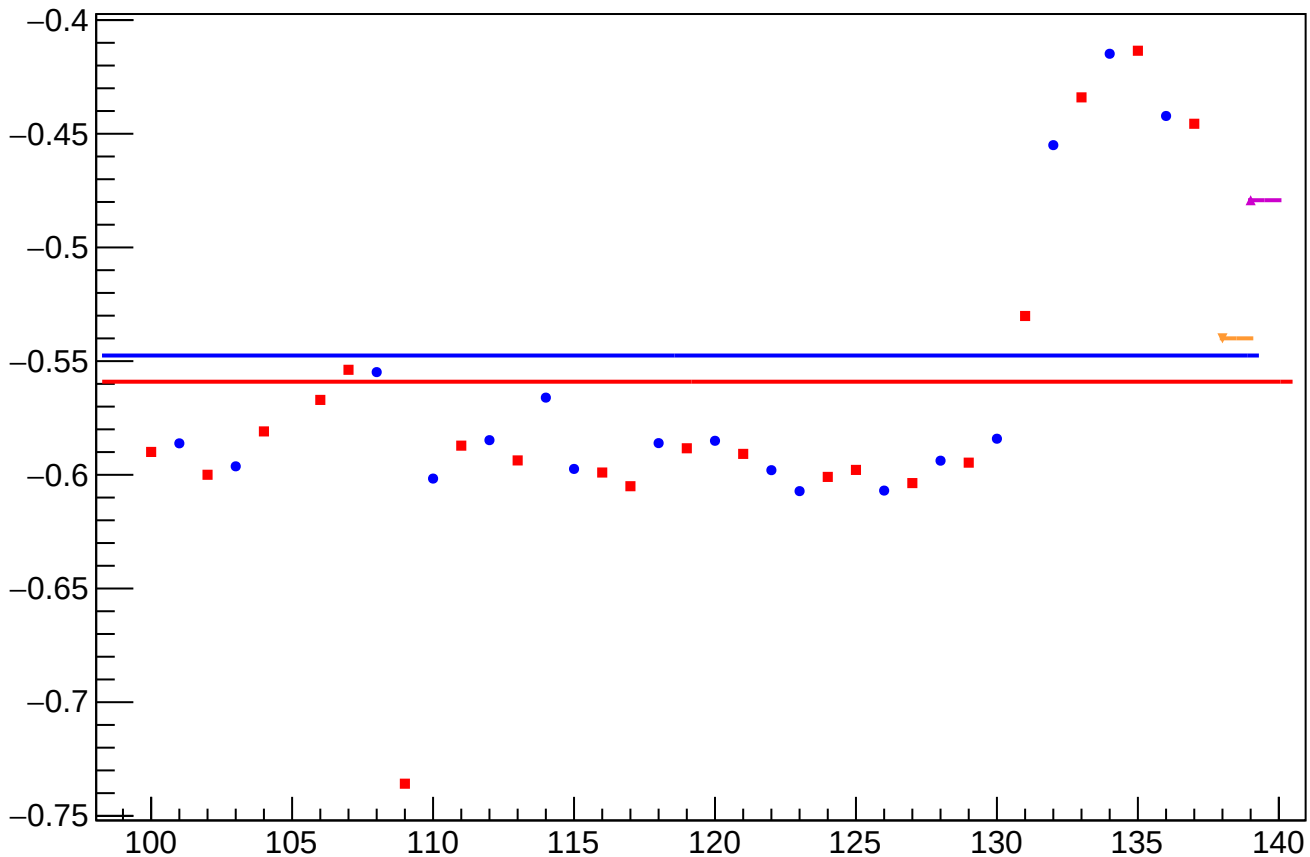
Left In: 0.001+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 11195872.0/17

0.000+/-0.000 χ^2/NDF : 22071127.7/38

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: -0.540+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

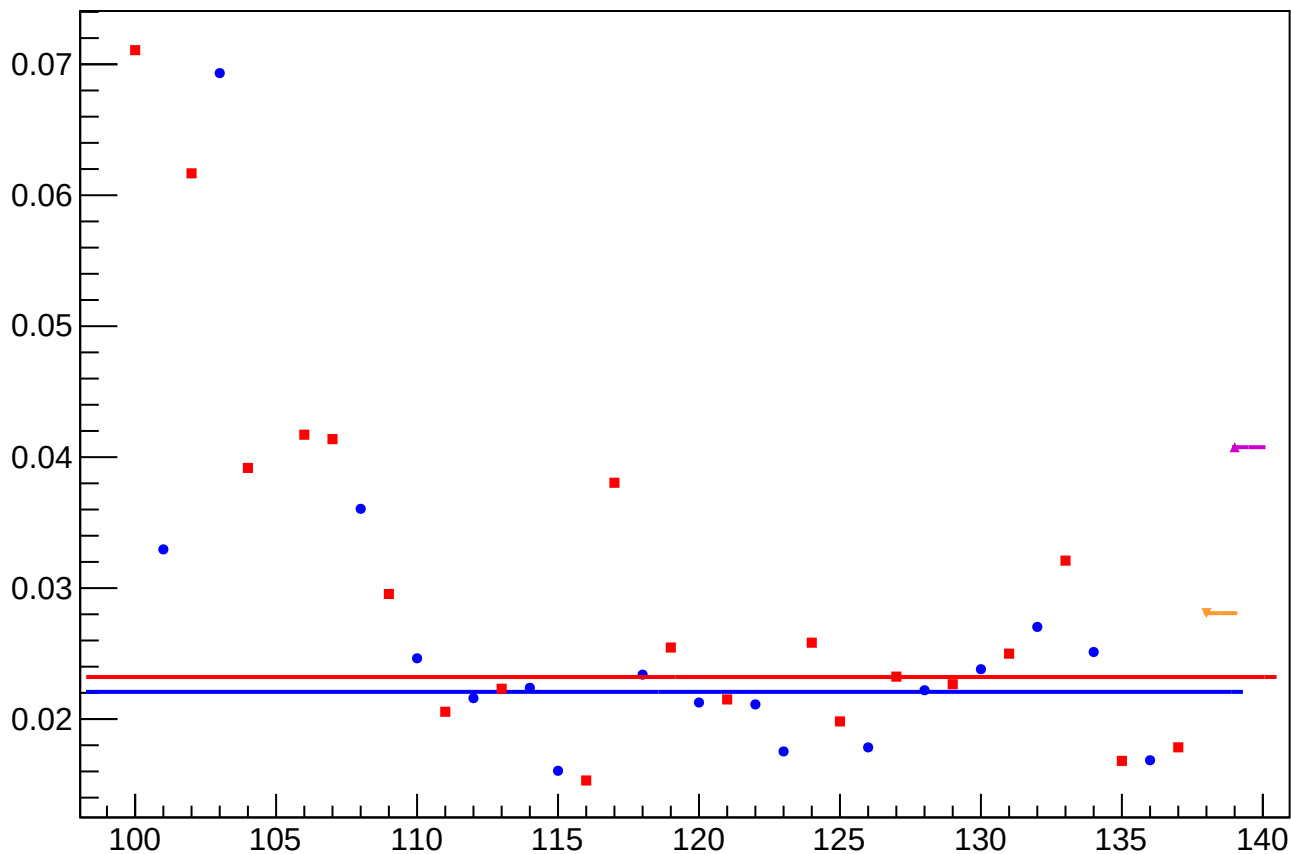
Left In: -0.479+/-0.000 χ^2/NDF : 0.0/0

-0.547+/-0.000 χ^2/NDF : 48585096.4/17

-0.551+/-0.000 χ^2/NDF : 117029071.9/38

-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: 0.028 +/- 0.000 χ^2/NDF : 0.0/0

Right Out: 0.023 +/- 0.000 χ^2/NDF : 1169013.8/19

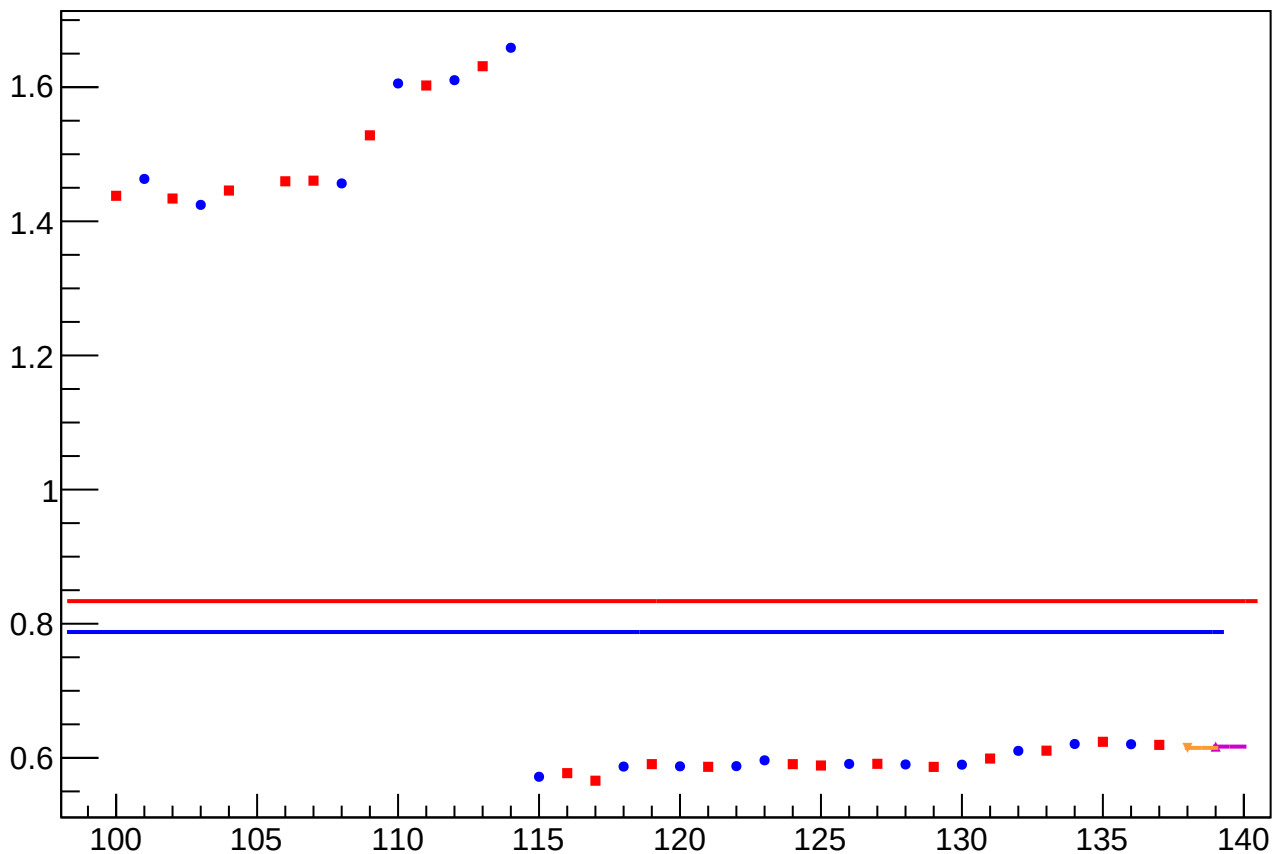
Left In: 0.041 +/- 0.000 χ^2/NDF : 0.0/0

0.022 +/- 0.000 χ^2/NDF : 1005182.1/17

0.023 +/- 0.000 χ^2/NDF : 2453291.9/38

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: 0.615 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4155673215.9/19

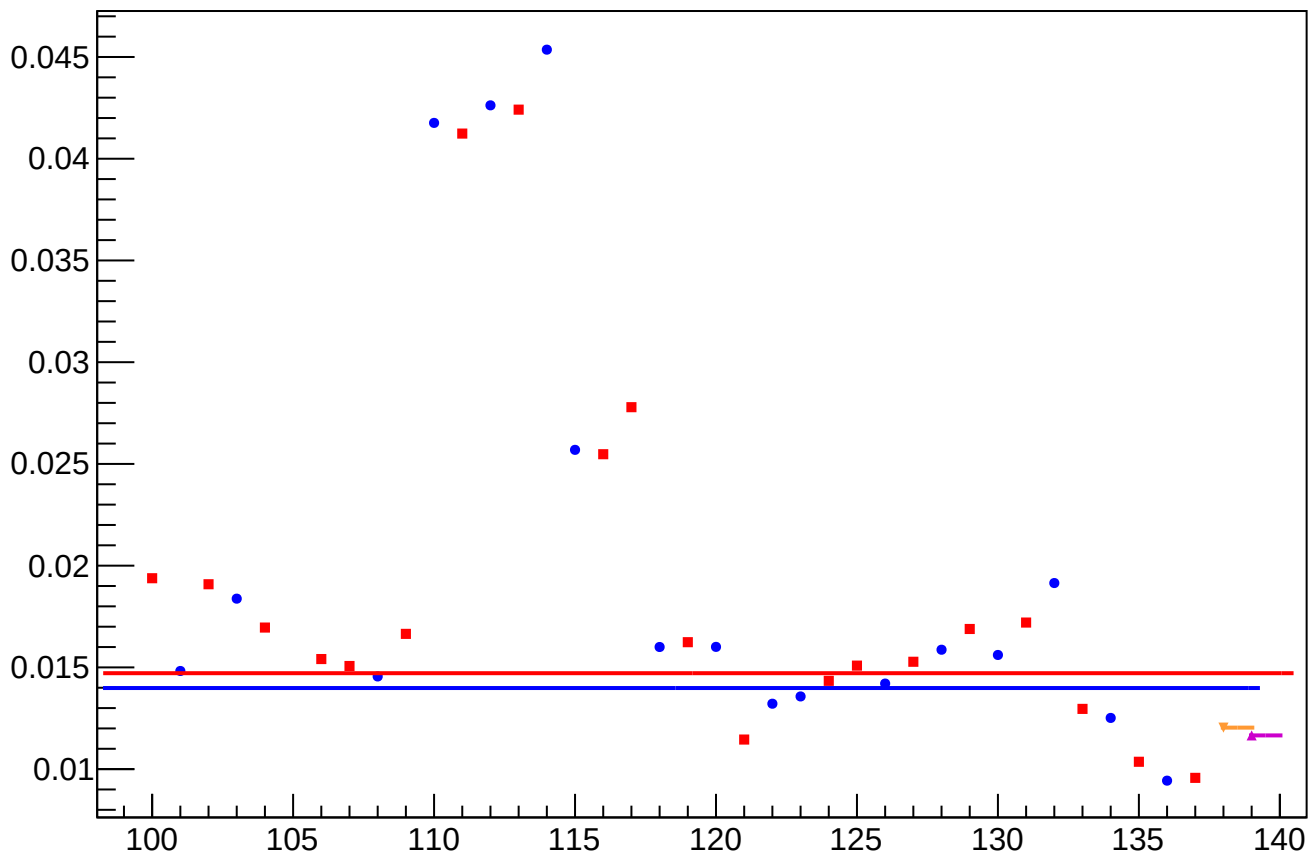
Left In: 0.617 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.763 $\pm$ 0.000 χ^2 /NDF: 3704725092.8/17

0.781 $\pm$ 0.000 χ^2 /NDF: 8090873149.4/38

0.799 $\pm$ 0.000 χ^2 /NDF: 4363928686.6/20

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.015+/-0.000 χ^2/NDF : 1275472.3/19

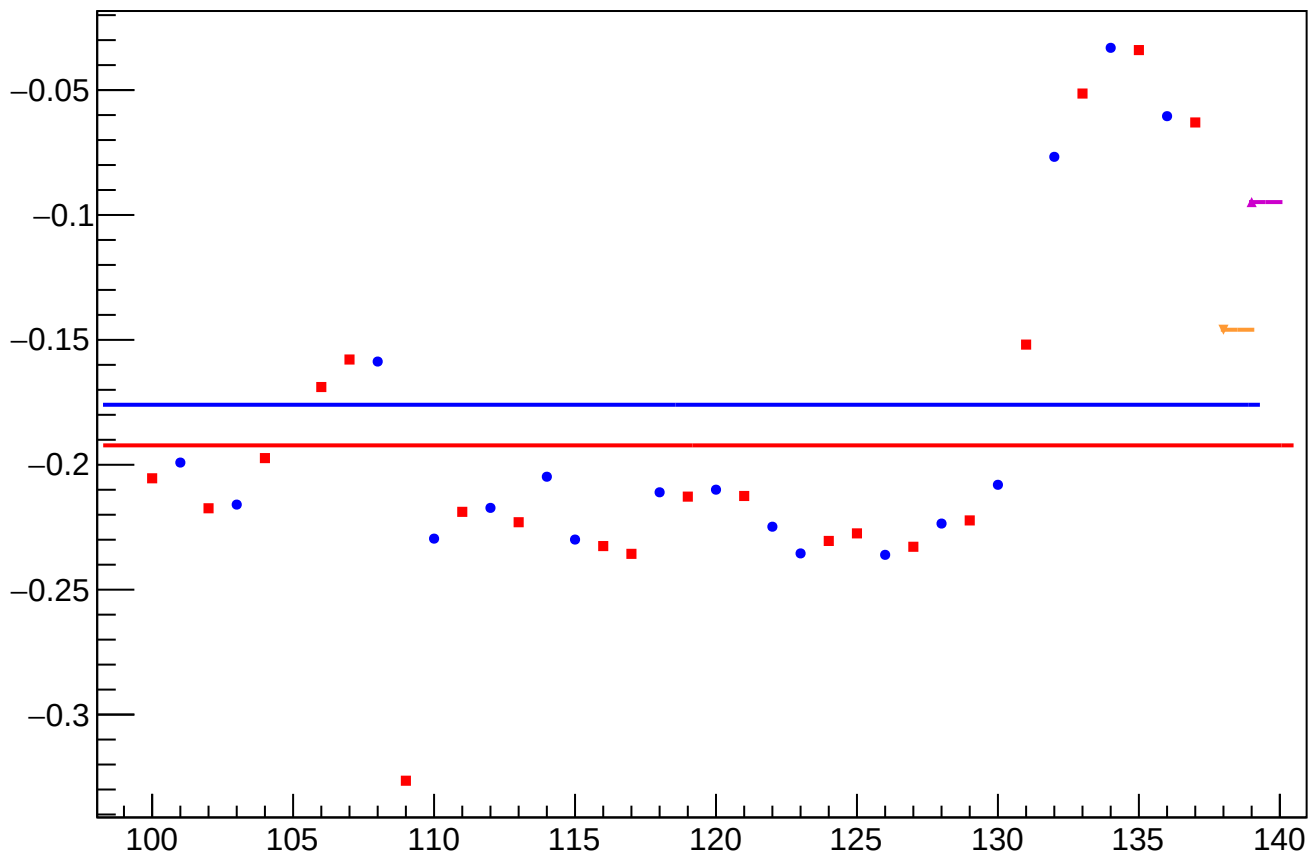
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 1429811.3/17

0.014+/-0.000 χ^2/NDF : 2797204.3/38

0.014+/-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: -0.146+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

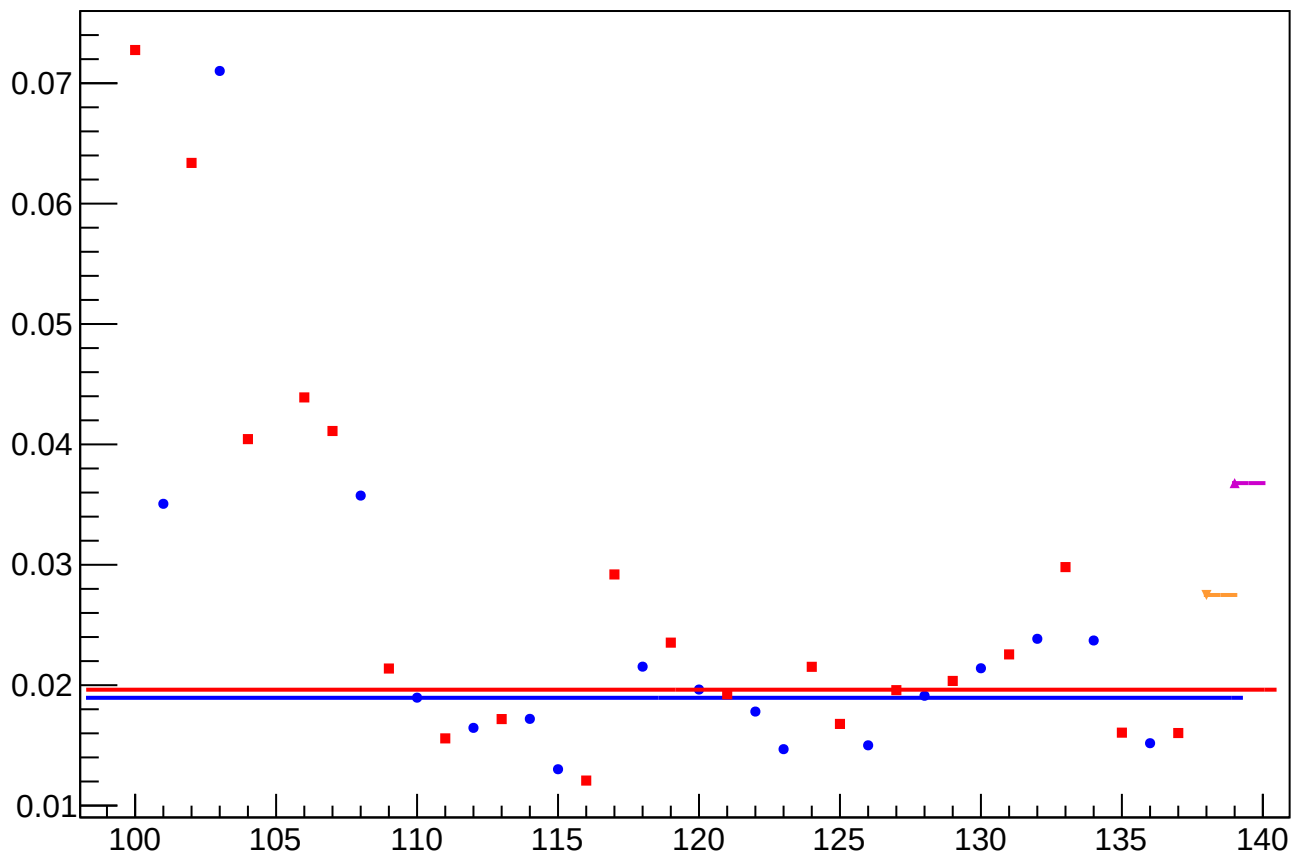
Left In: -0.095+/-0.000 χ^2/NDF : 0.0/0

-0.174+/-0.000 χ^2/NDF : 70815467.9/17

-0.181+/-0.000 χ^2/NDF : 160470056.4/38

-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: 0.027+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

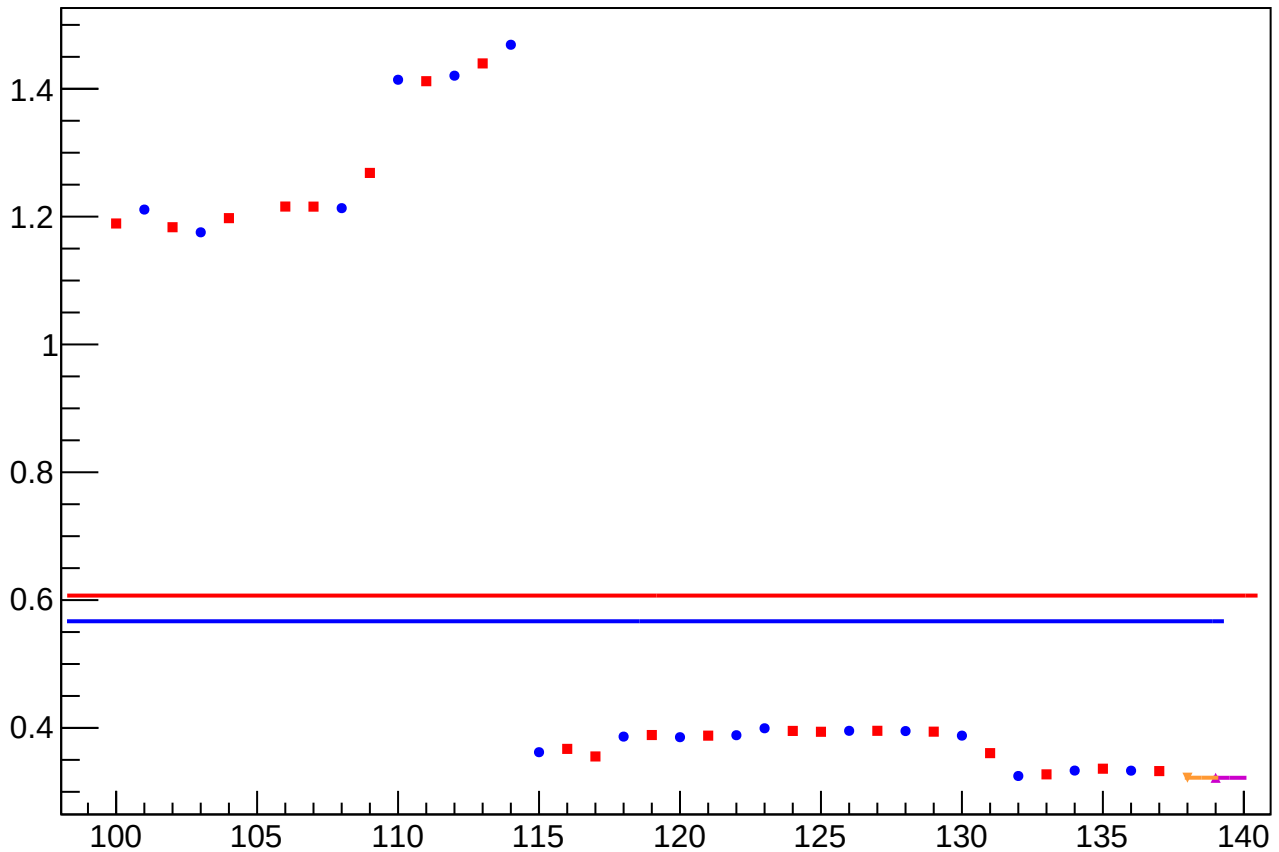
Left In: 0.037+/-0.000 χ^2/NDF : 0.0/0

0.019+/-0.000 χ^2/NDF : 1315565.2/17

0.020+/-0.000 χ^2/NDF : 3091212.9/38

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: 0.322 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

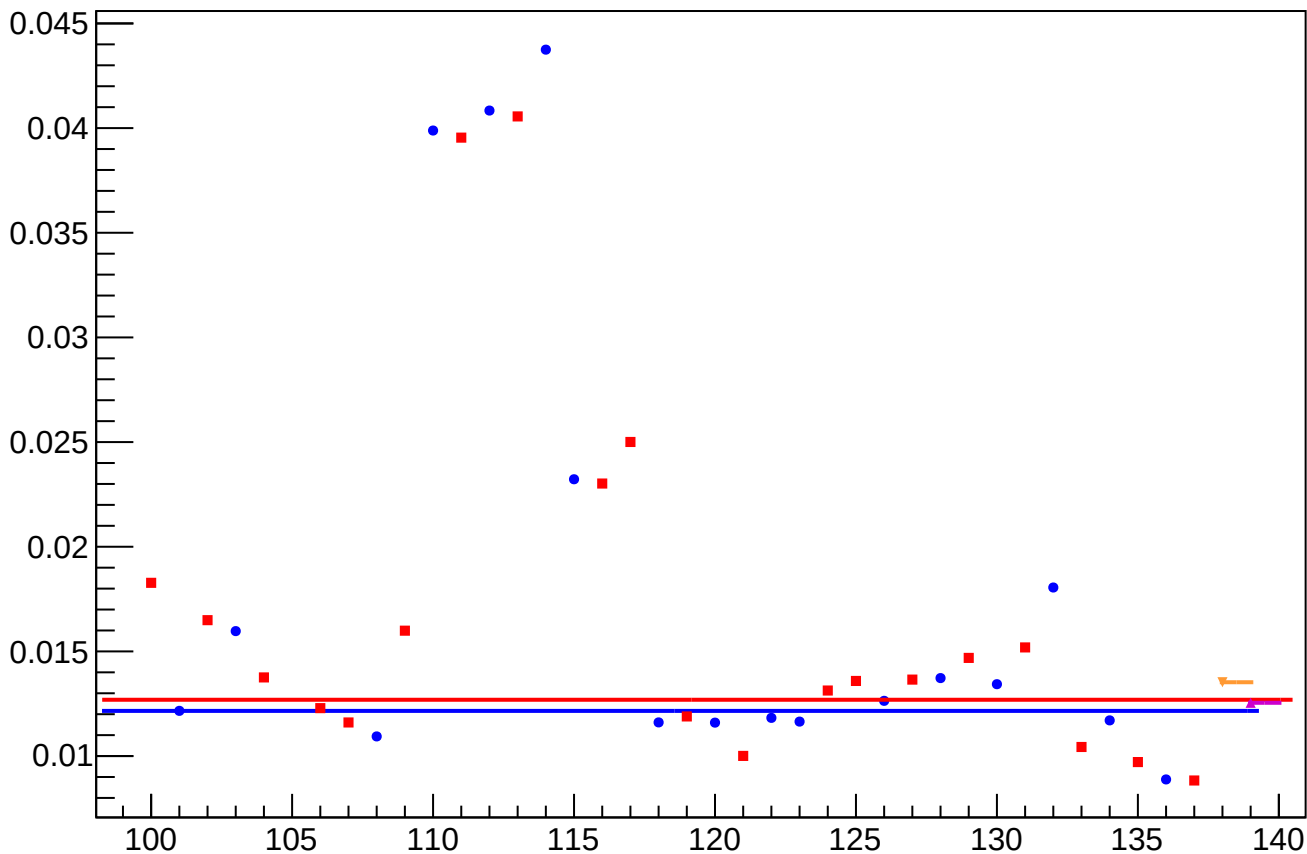
Left In: 0.322 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.544 $\pm$ 0.000 χ^2 /NDF: 5226583755.3/17

0.560 $\pm$ 0.000 χ^2 /NDF: 11081791837.7/3

0.576 $\pm$ 0.000 χ^2 /NDF: 5834348273.7/20

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.014+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.013+/-0.000 χ^2/NDF : 1285911.2/19

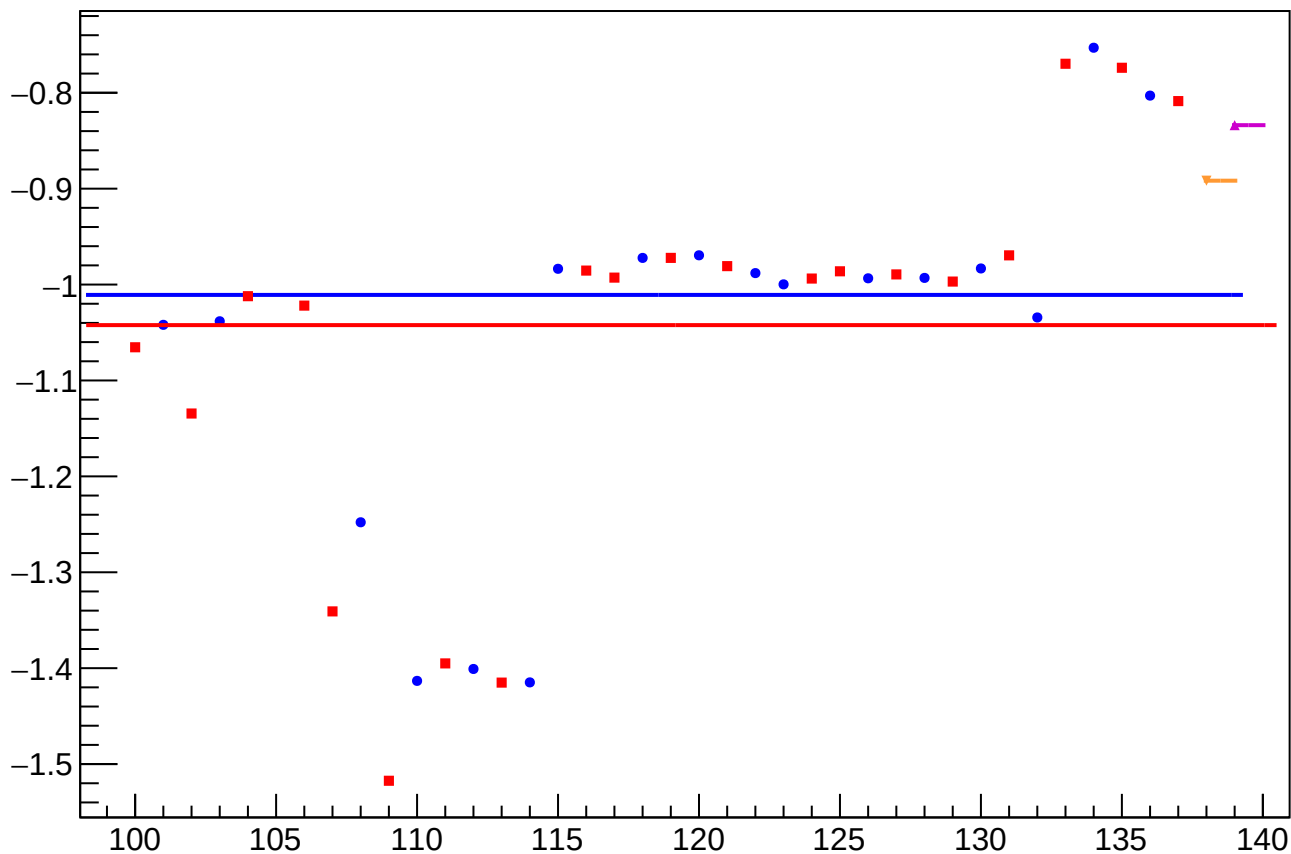
Left In: 0.013+/-0.000 χ^2/NDF : 0.0/0

0.012+/-0.000 χ^2/NDF : 1321072.5/17

0.012+/-0.000 χ^2/NDF : 2613465.5/38

0.013+/-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: -0.892+/-0.000 χ^2/NDF : 0.0/0

Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

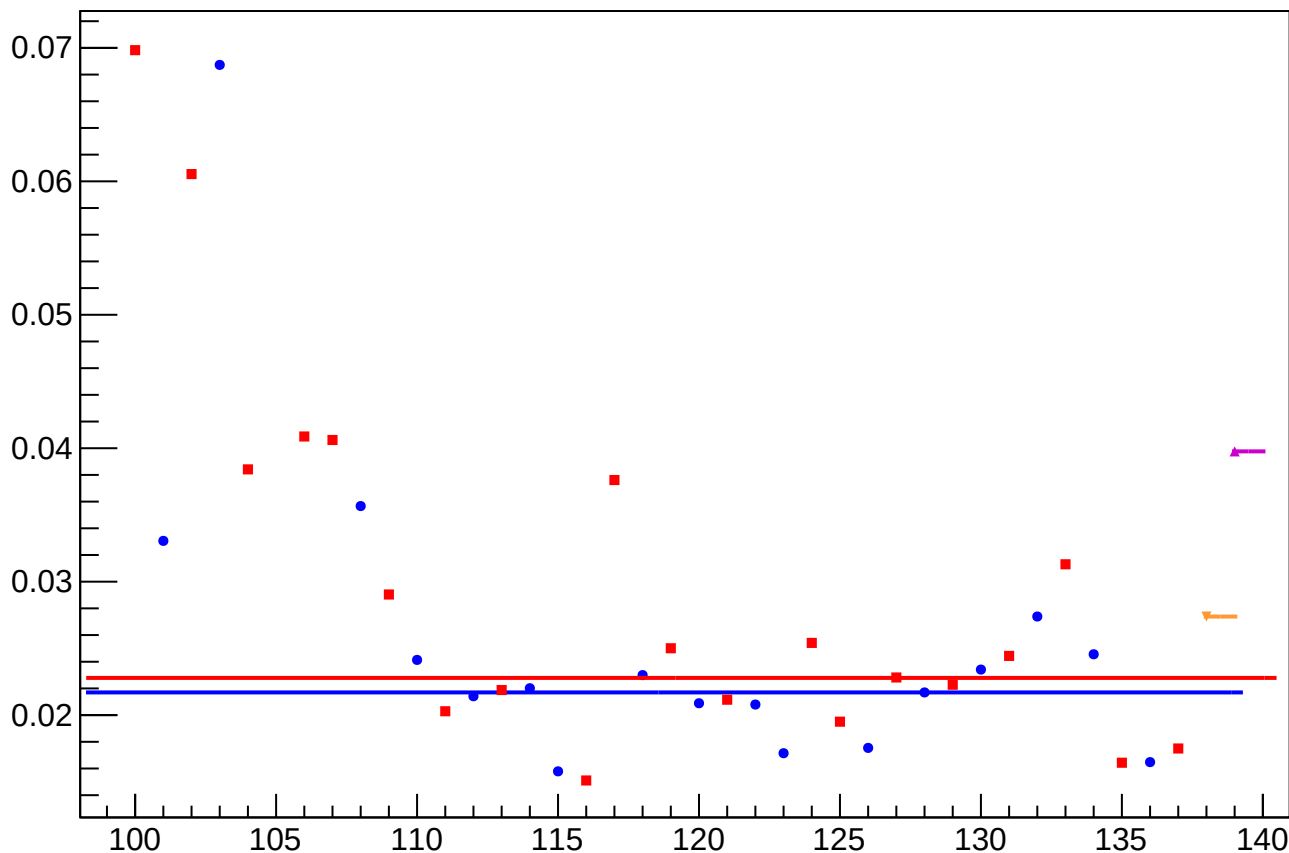
Left In: -0.834+/-0.000 χ^2/NDF : 0.0/0

-1.003+/-0.000 χ^2/NDF : 397539433.7/17

-1.018+/-0.000 χ^2/NDF : 950818322.3/38

-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: 0.027+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

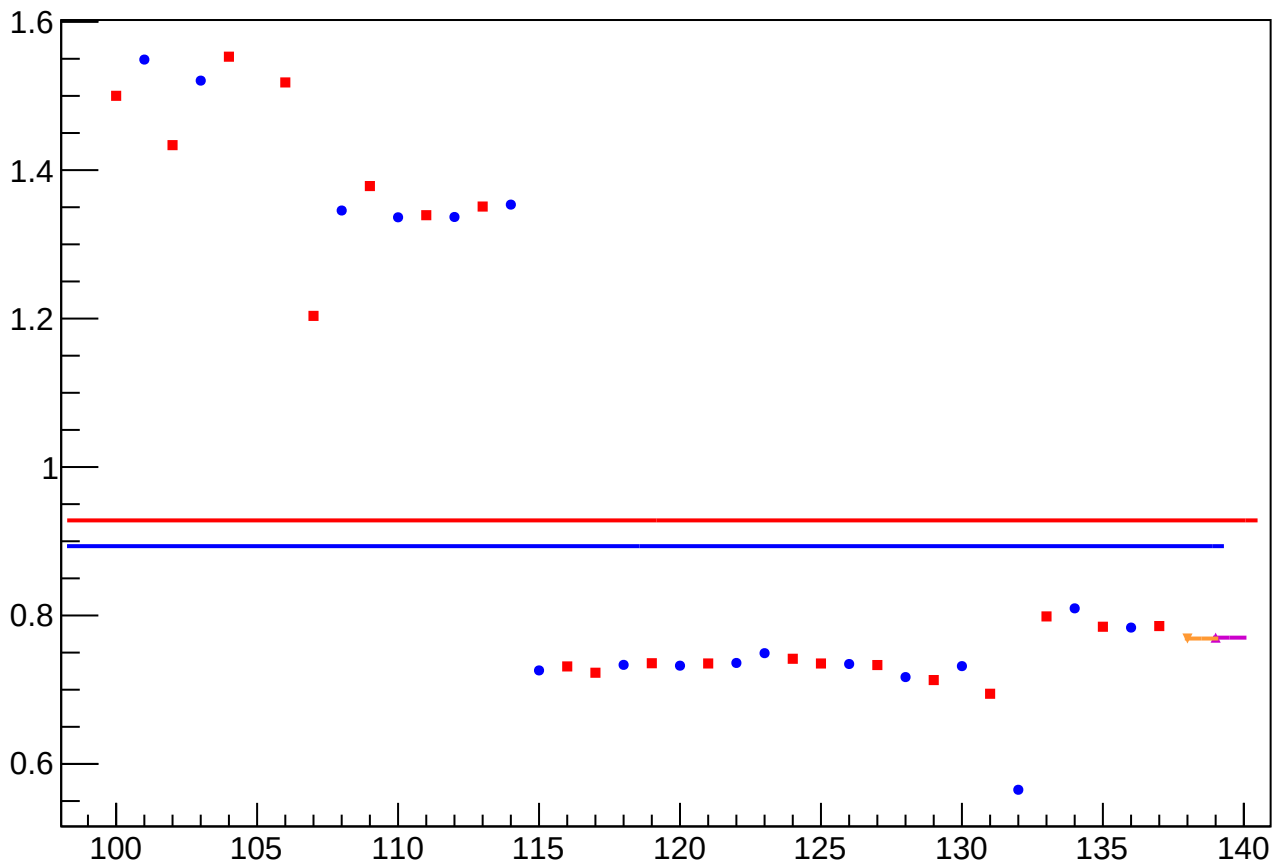
Left In: 0.040+/-0.000 χ^2/NDF : 0.0/0

0.022+/-0.000 χ^2/NDF : 1026675.7/17

0.023+/-0.000 χ^2/NDF : 2465539.7/38

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: 0.769+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

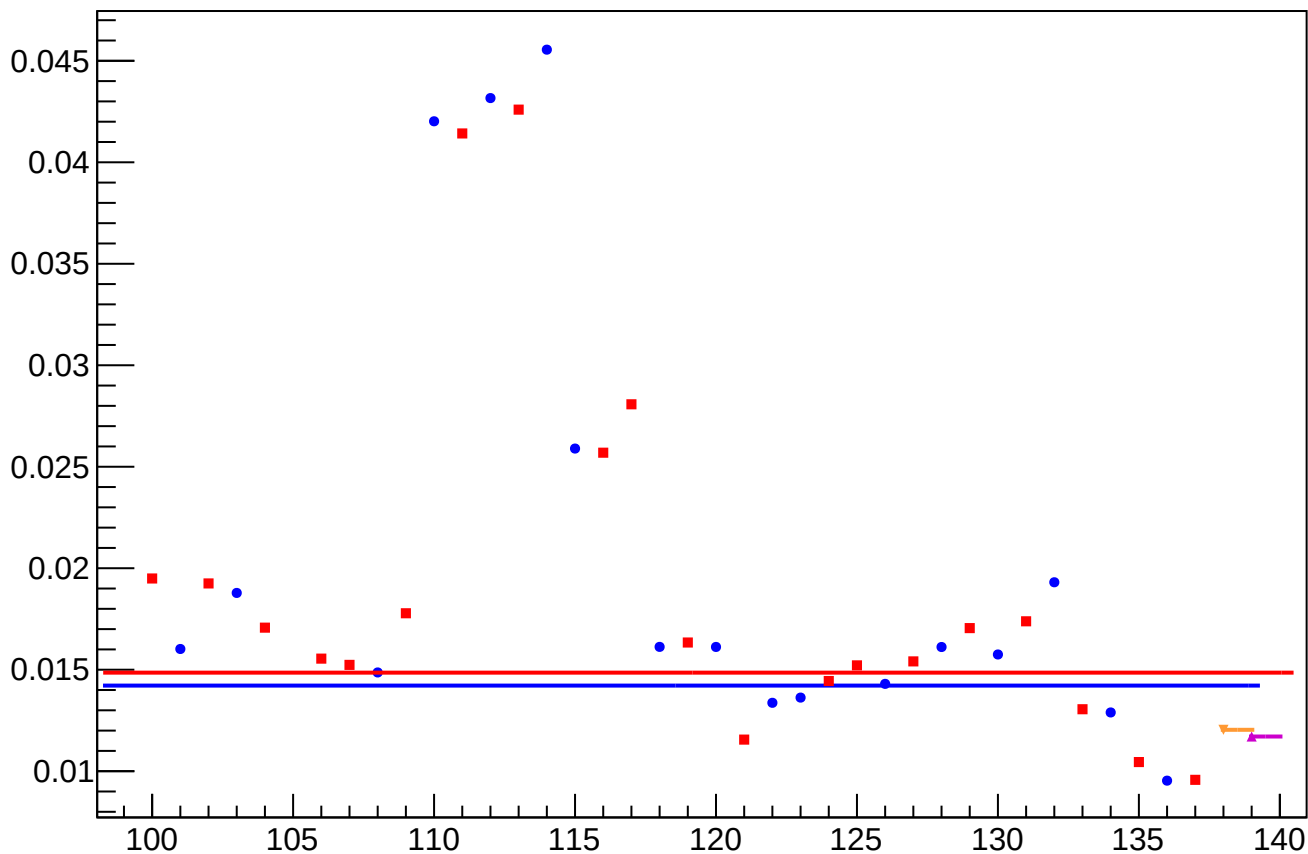
Left In: 0.770+/-0.000 χ^2/NDF : 0.0/0

0.875+/-0.000 χ^2/NDF : 2471670098.7/17

0.889+/-0.000 χ^2/NDF : 5031111575.3/38

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 : 0.0/0

Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

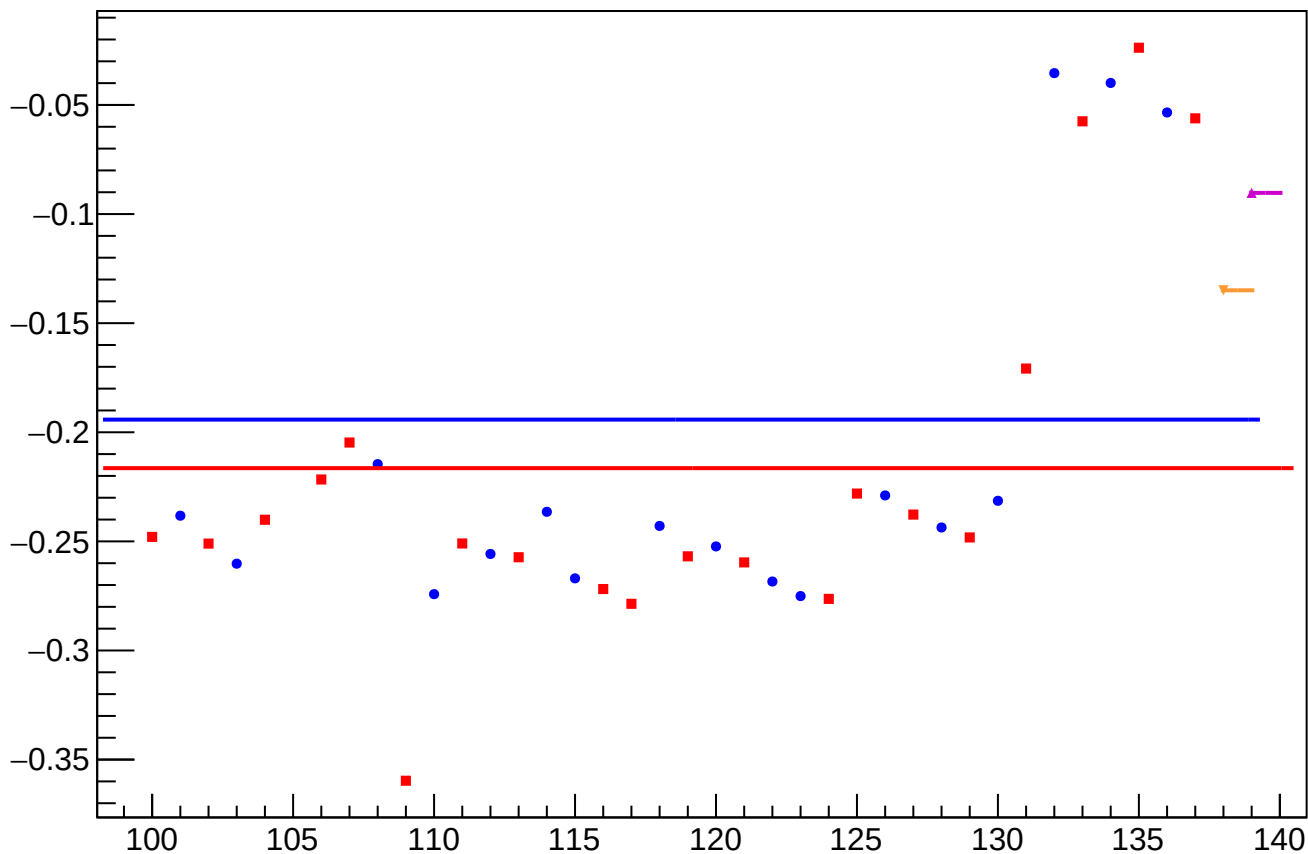
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 1448608.4/17

0.014+/-0.000 χ^2/NDF : 2828556.4/38

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: -0.135+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

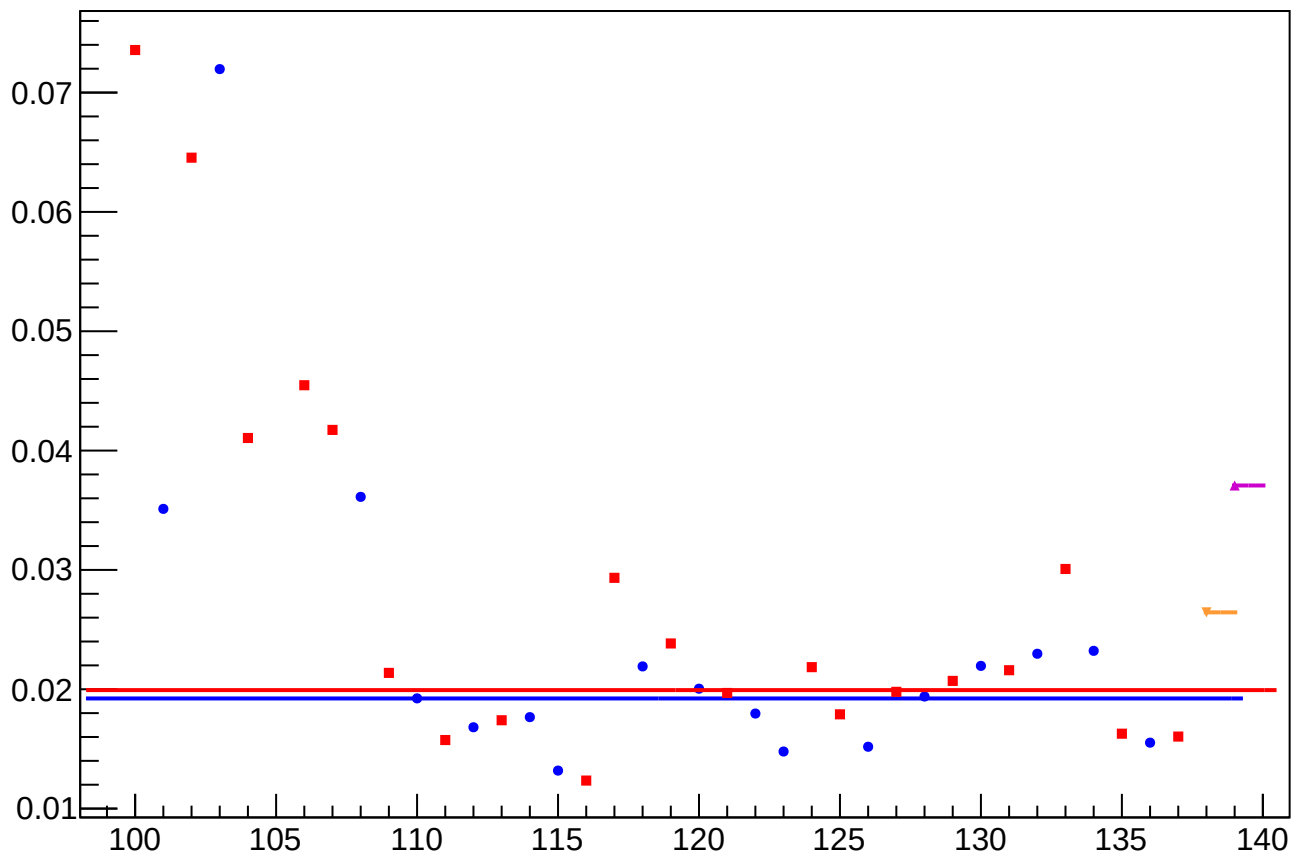
Left In: -0.090+/-0.000 χ^2/NDF : 0.0/0

-0.191+/-0.000 χ^2/NDF : 111271130.6/17

-0.201+/-0.000 χ^2/NDF : 233564723.1/38

-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: 0.026+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

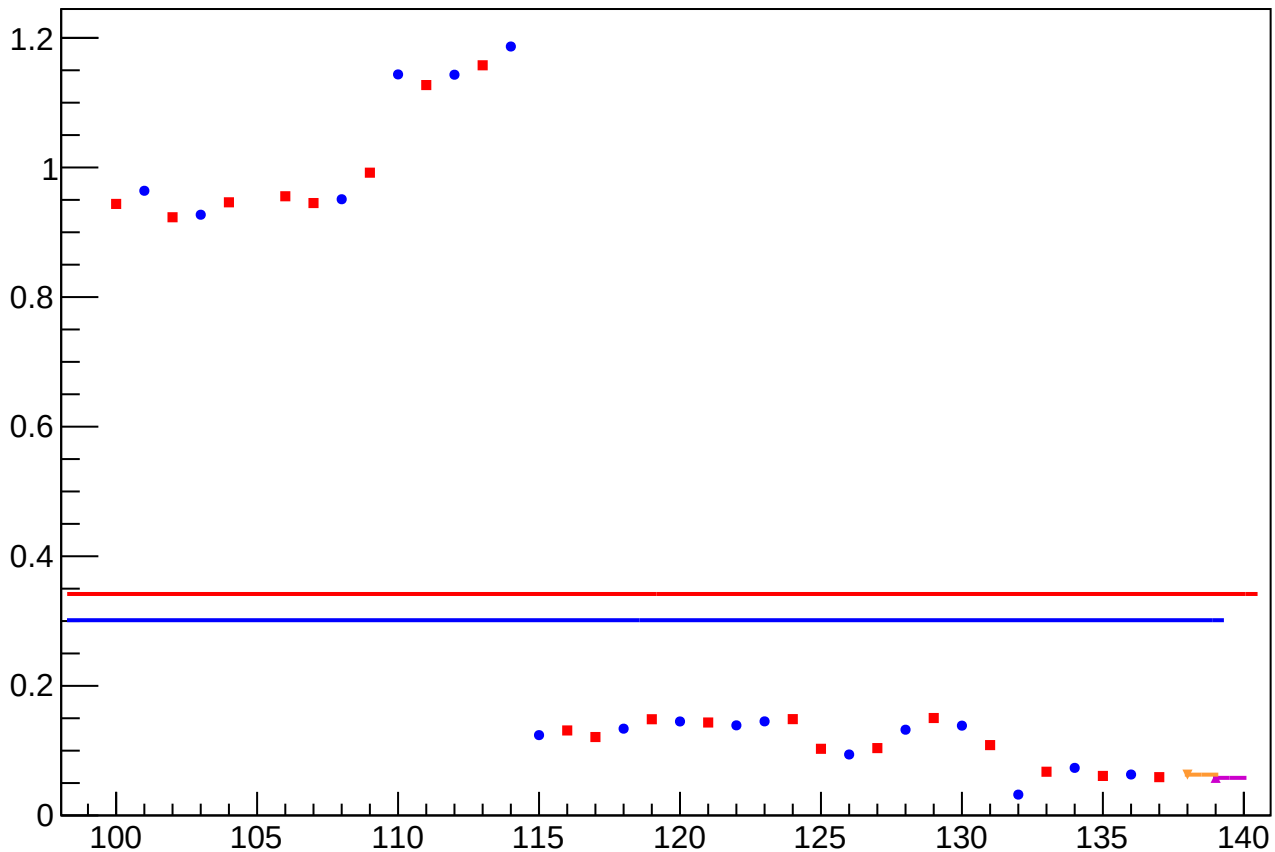
Left In: 0.037+/-0.000 χ^2/NDF : 0.0/0

0.020+/-0.000 χ^2/NDF : 1258930.0/17

0.020+/-0.000 χ^2/NDF : 3019208.7/38

0.021+/-0.000 χ^2/NDF : 1748468.6/20

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.063+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

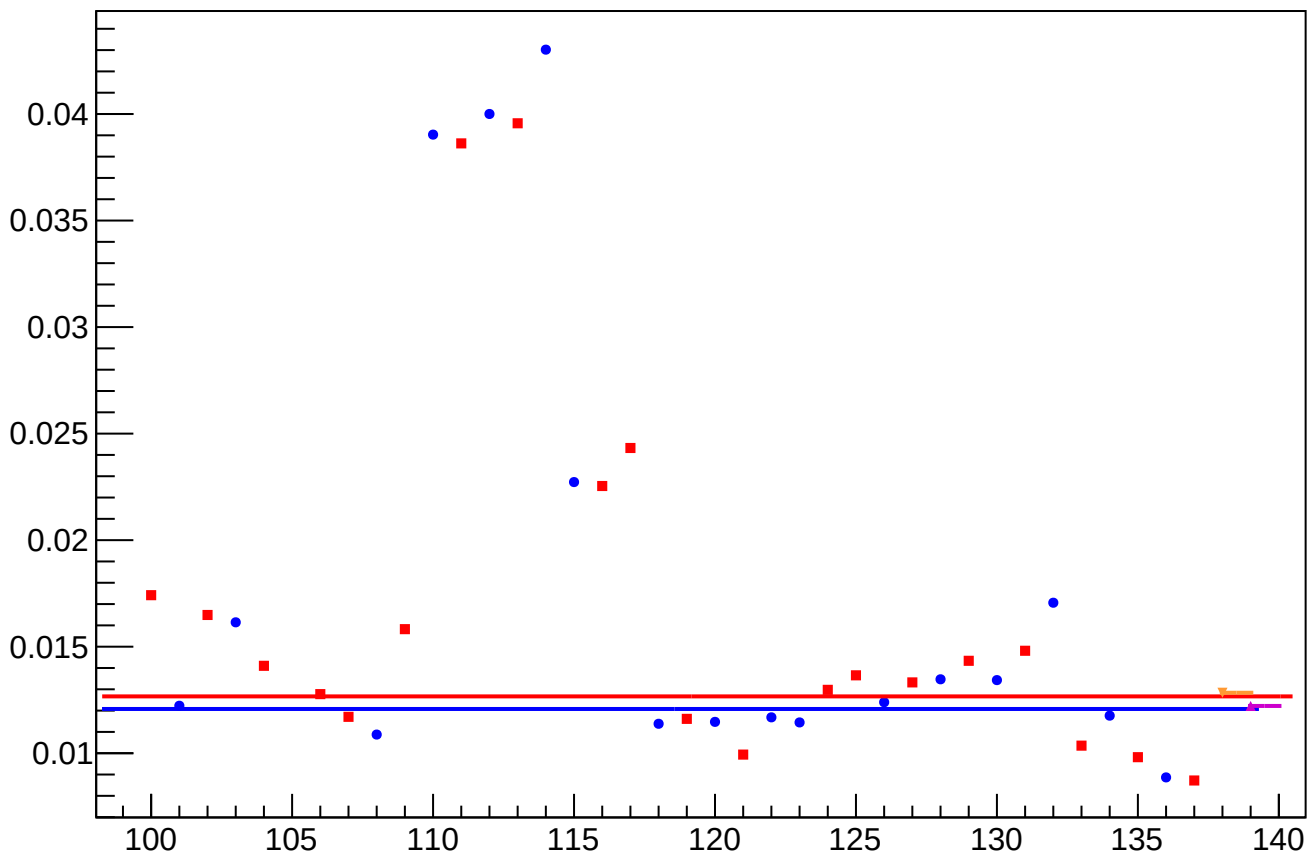
Left In: 0.058+/-0.000 χ^2/NDF : 0.0/0

0.277+/-0.000 χ^2/NDF : 5373499896.3/17

0.293+/-0.000 χ^2/NDF : 11178355207.1/3

0.310+/-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: 0.013 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

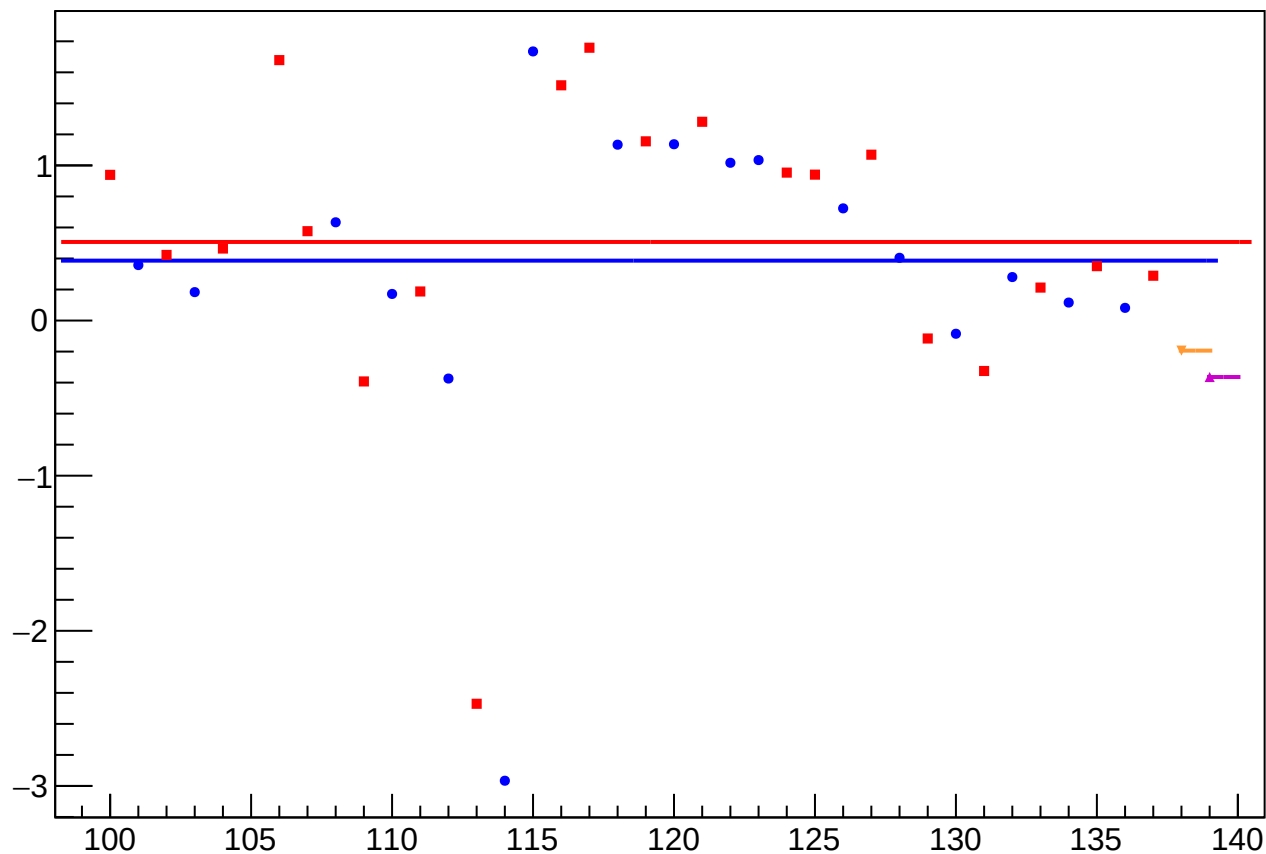
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.012 $\pm$ 0.000 χ^2 /NDF: 1284810.7/17

0.012 $\pm$ 0.000 χ^2 /NDF: 2549300.5/38

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: -0.194 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995373603.6/19

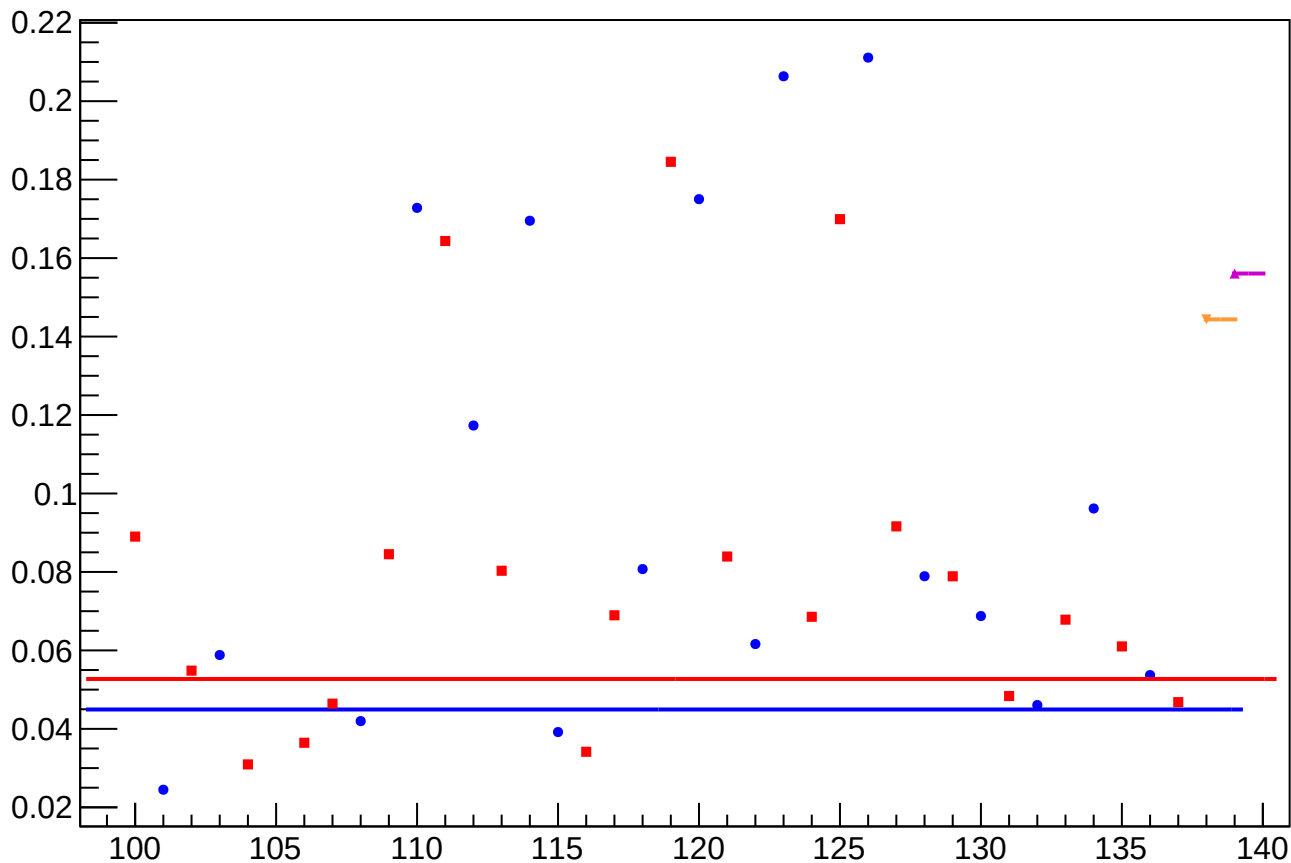
Left In: -0.364 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.376 $\pm$ 0.000 χ^2 /NDF: 256581583.3/17

0.429 $\pm$ 0.000 χ^2 /NDF: 1282242764.7/38

0.492 $\pm$ 0.000 χ^2 /NDF: 1014691742.2/20

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.144+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

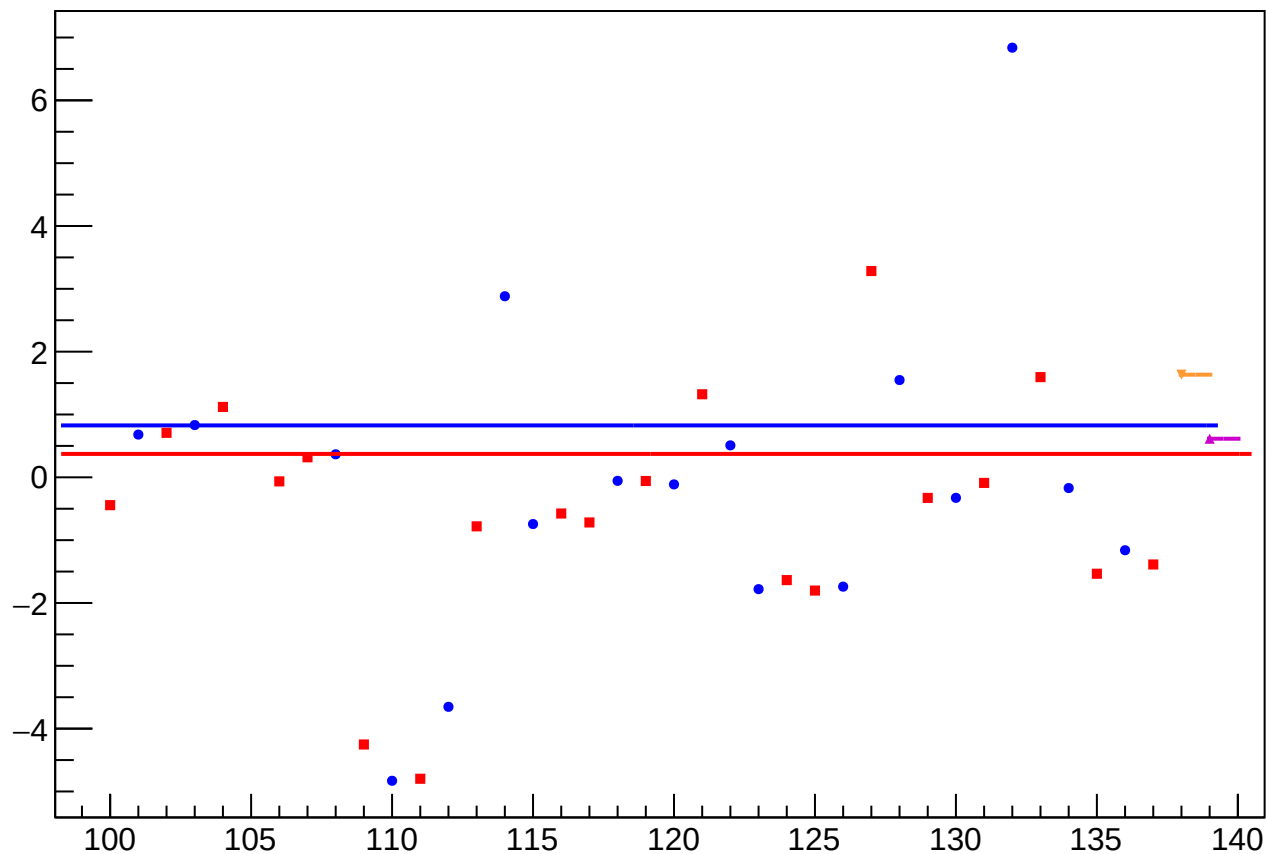
Left In: 0.156+/-0.000 χ^2/NDF : 0.0/0

0.047+/-0.000 χ^2/NDF : 3387973.0/17

0.050+/-0.000 χ^2/NDF : 6228371.3/38

0.054+/-0.000 χ^2/NDF : 2740293.3/20

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 ± 0.000 χ^2/NDF : 10945455664.9/16

Left Out: 1.634 ± 0.000 χ^2/NDF : 0.0/0

Right Out: 0.372 ± 0.000 χ^2/NDF : 4960201861.0/19

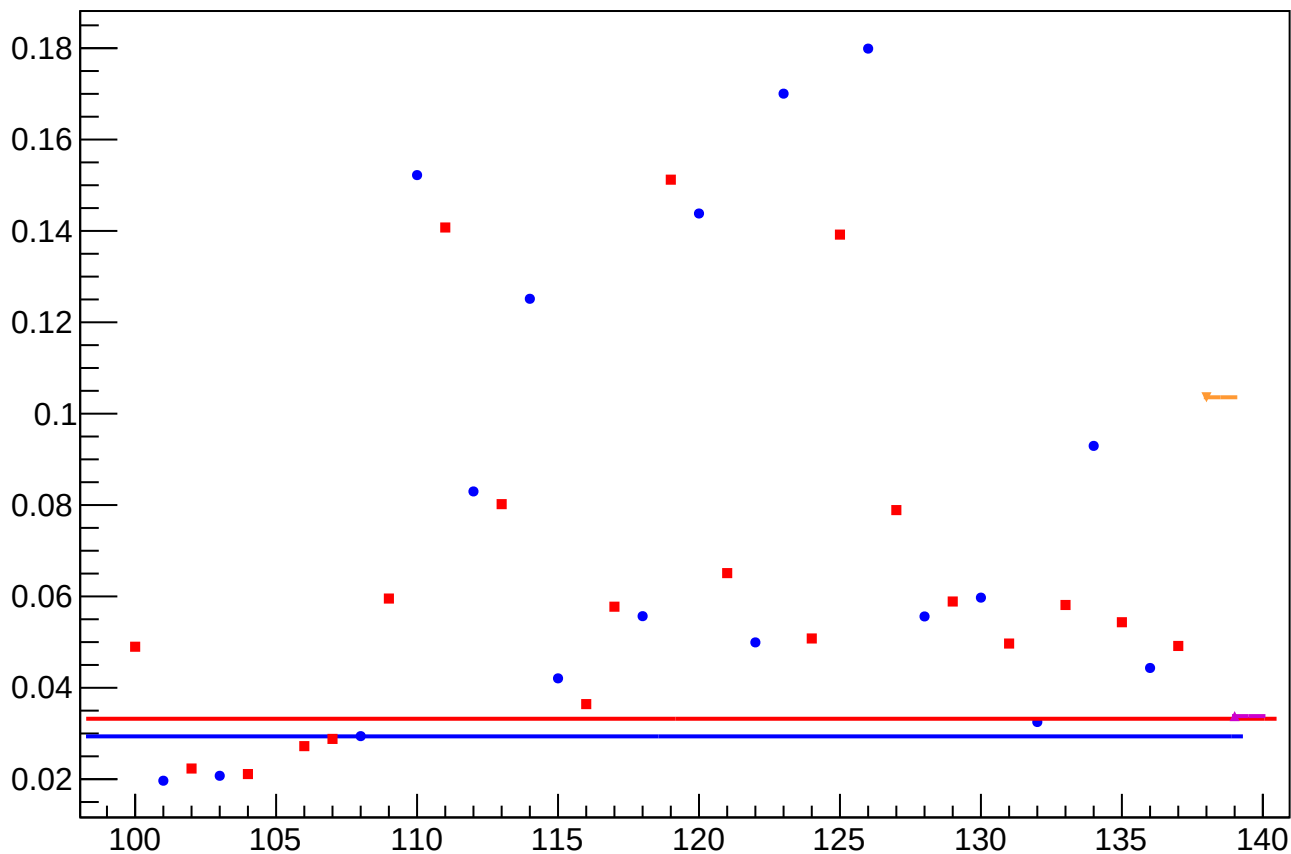
Left In: 0.614 ± 0.000 χ^2/NDF : 0.0/0

0.838 ± 0.000 χ^2/NDF : 10982200011.1/17

0.620 ± 0.000 χ^2/NDF : 16346412244.6/3

0.384 ± 0.000 χ^2/NDF : 4970417743.6/20

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 2987169.5/16

Left Out: 0.104 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 3112299.1/19

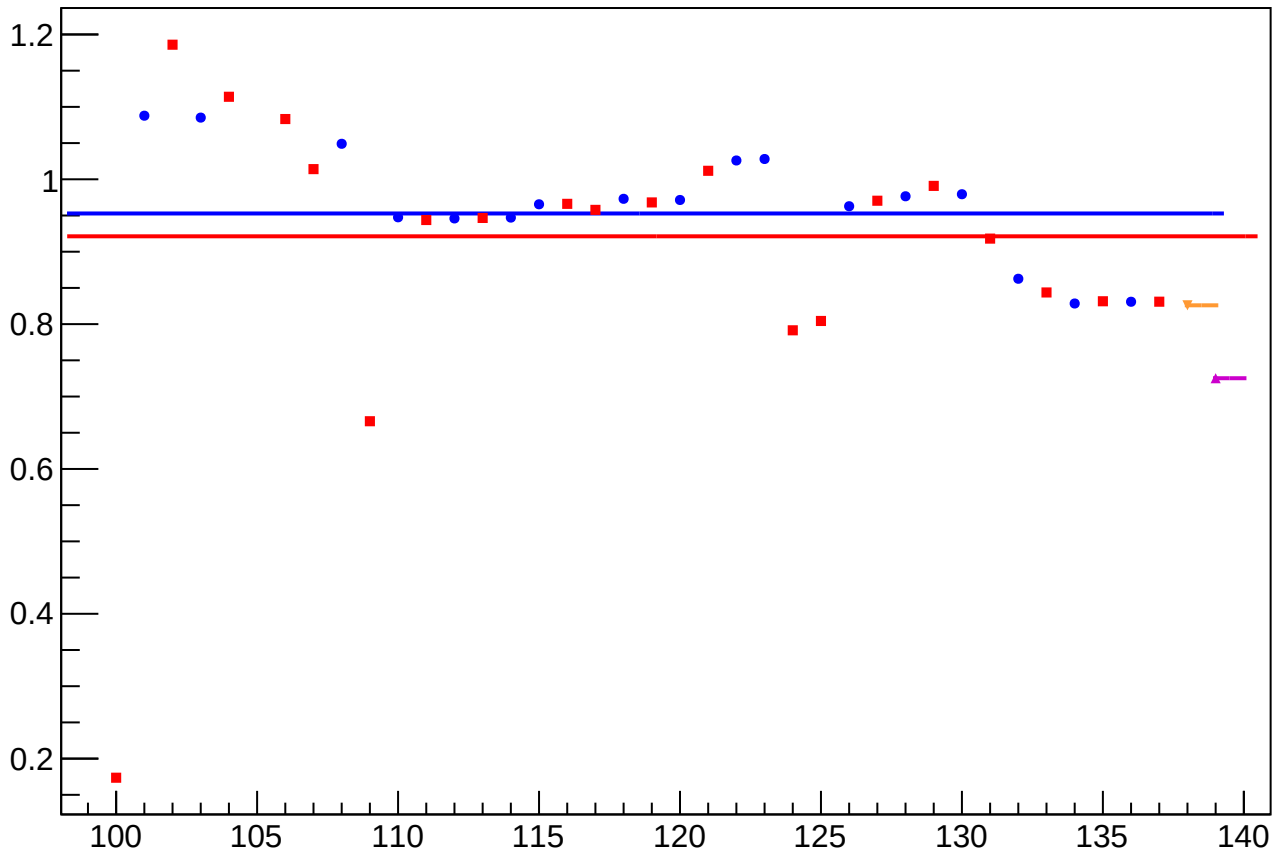
Left In: 0.034 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.030 $\pm$ 0.000 χ^2 /NDF: 3607647.5/17

0.032 $\pm$ 0.000 χ^2 /NDF: 6750567.6/38

0.033 $\pm$ 0.000 χ^2 /NDF: 3112417.4/20

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.826+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

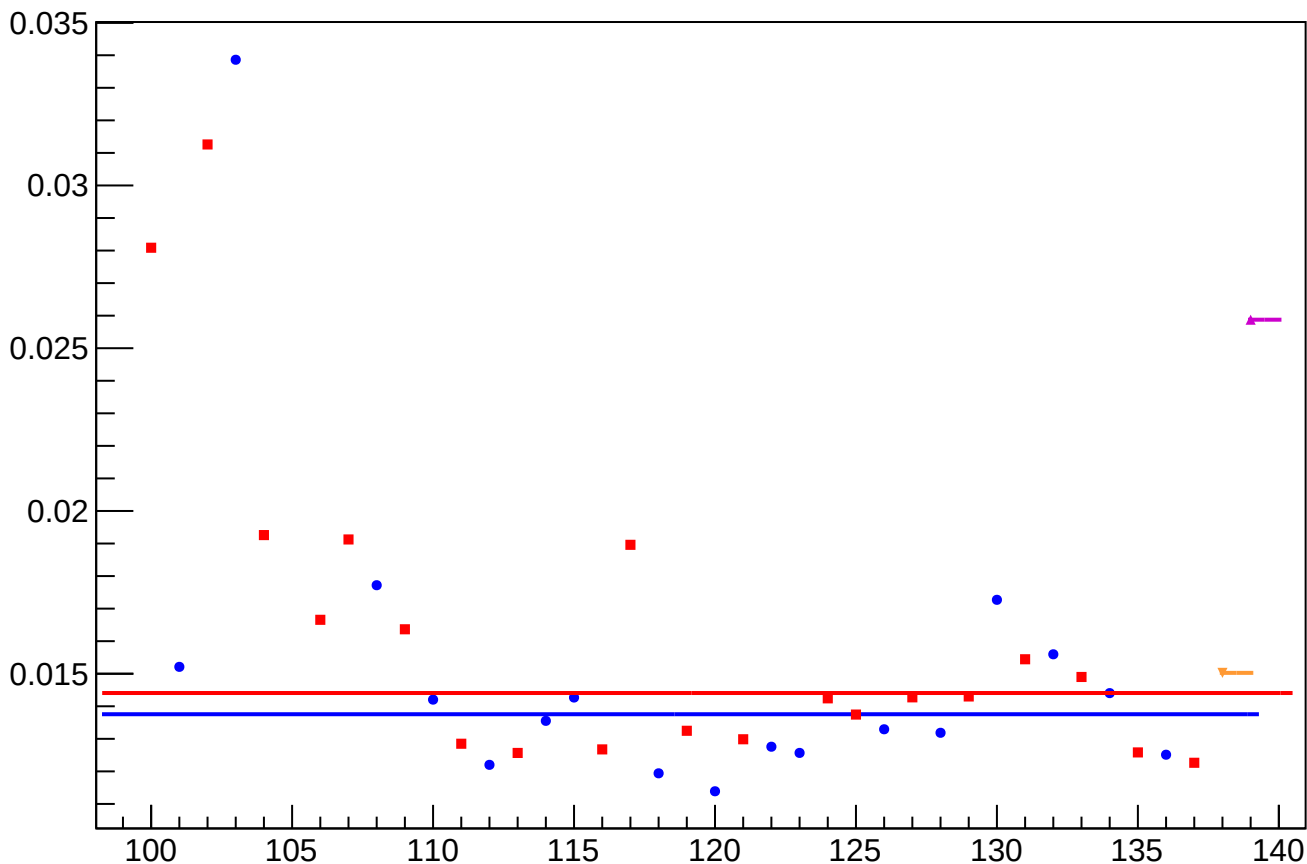
Left In: 0.725+/-0.000 χ^2/NDF : 0.0/0

0.943+/-0.000 χ^2/NDF : 214297911.1/17

0.929+/-0.000 χ^2/NDF : 640012876.1/38

0.915+/-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: 0.015+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

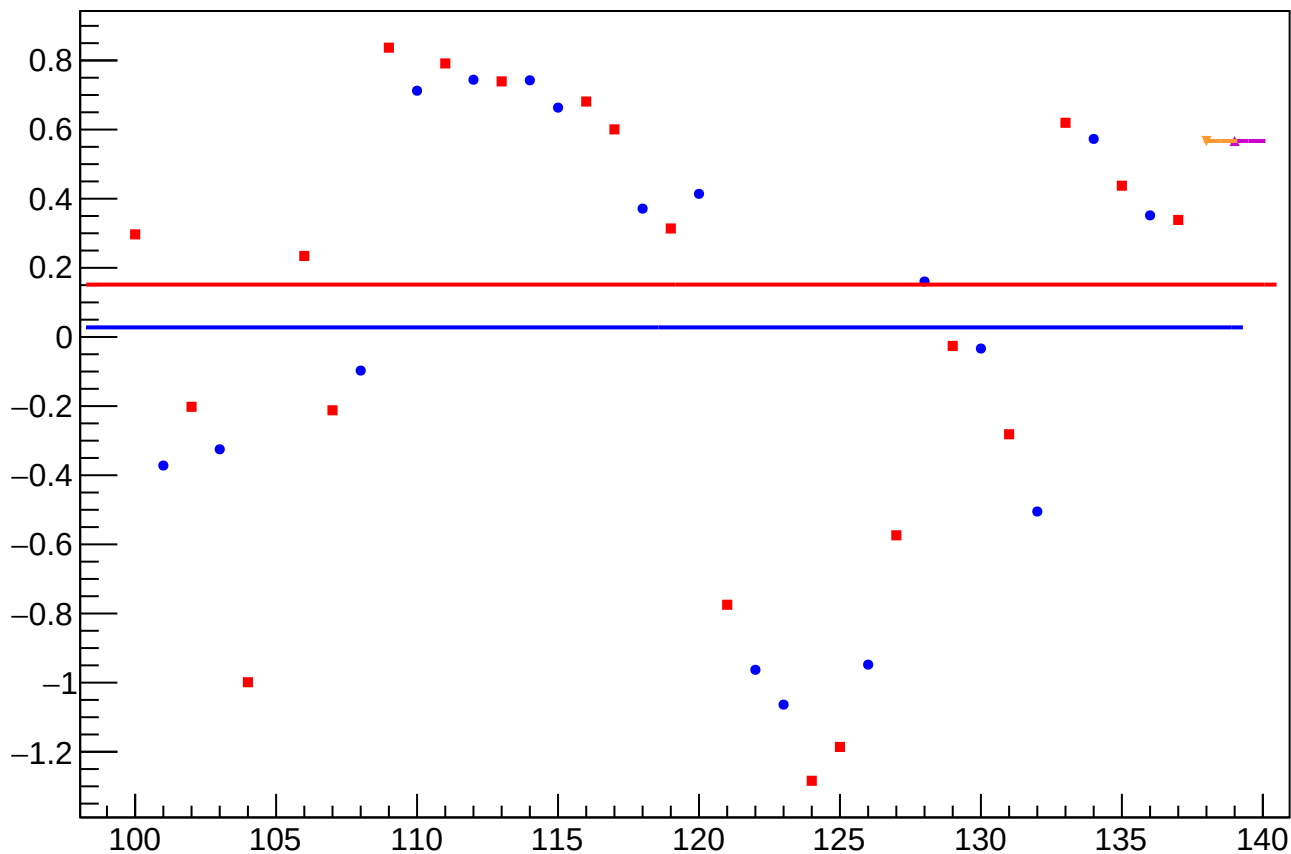
Left In: 0.026+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 546208.2/17

0.014+/-0.000 χ^2/NDF : 1348559.0/38

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: 0.567 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12665480117.0/19

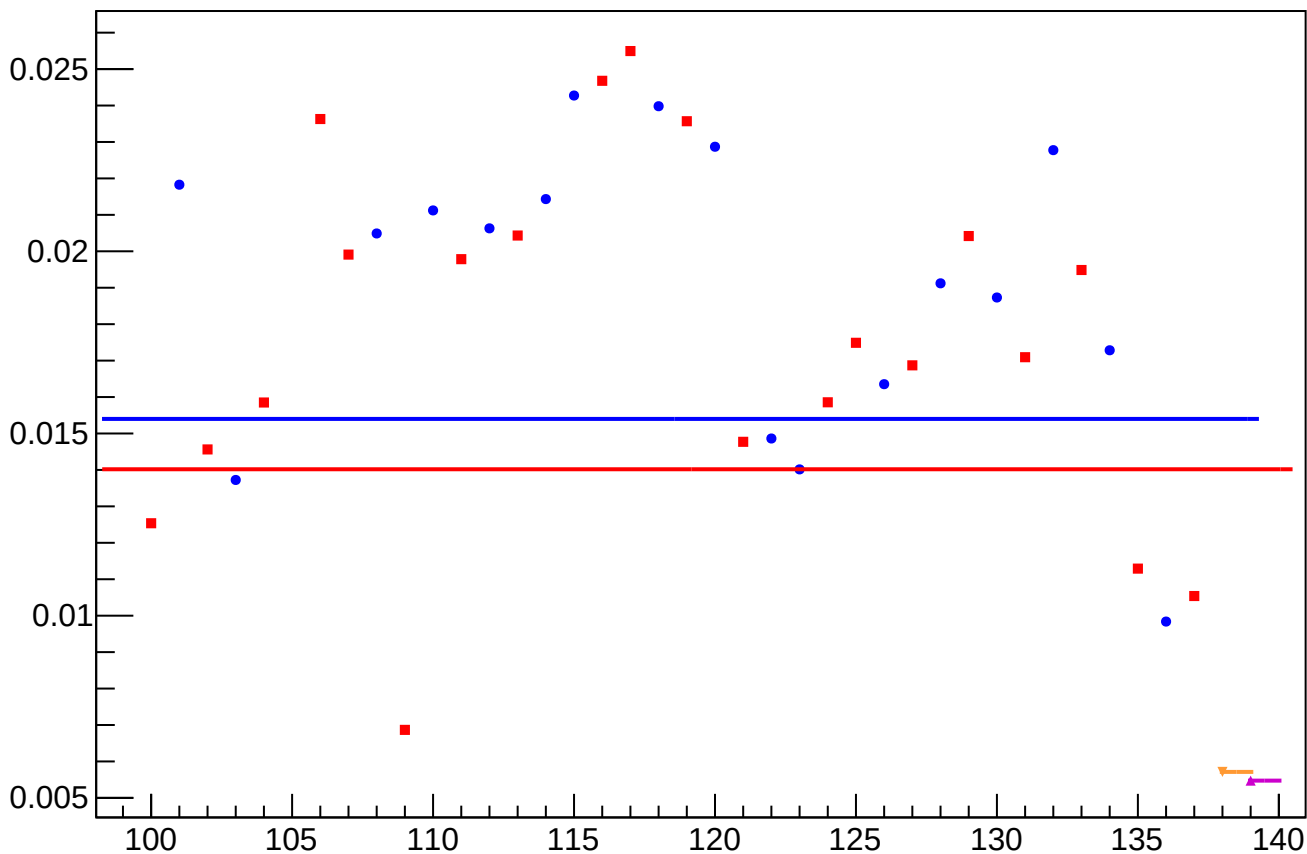
Left In: 0.567 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.259 $\pm$ 0.000 χ^2 /NDF: 9226294066.8/17

0.301 $\pm$ 0.000 χ^2 /NDF: 24198708635.3/3

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: 0.006+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

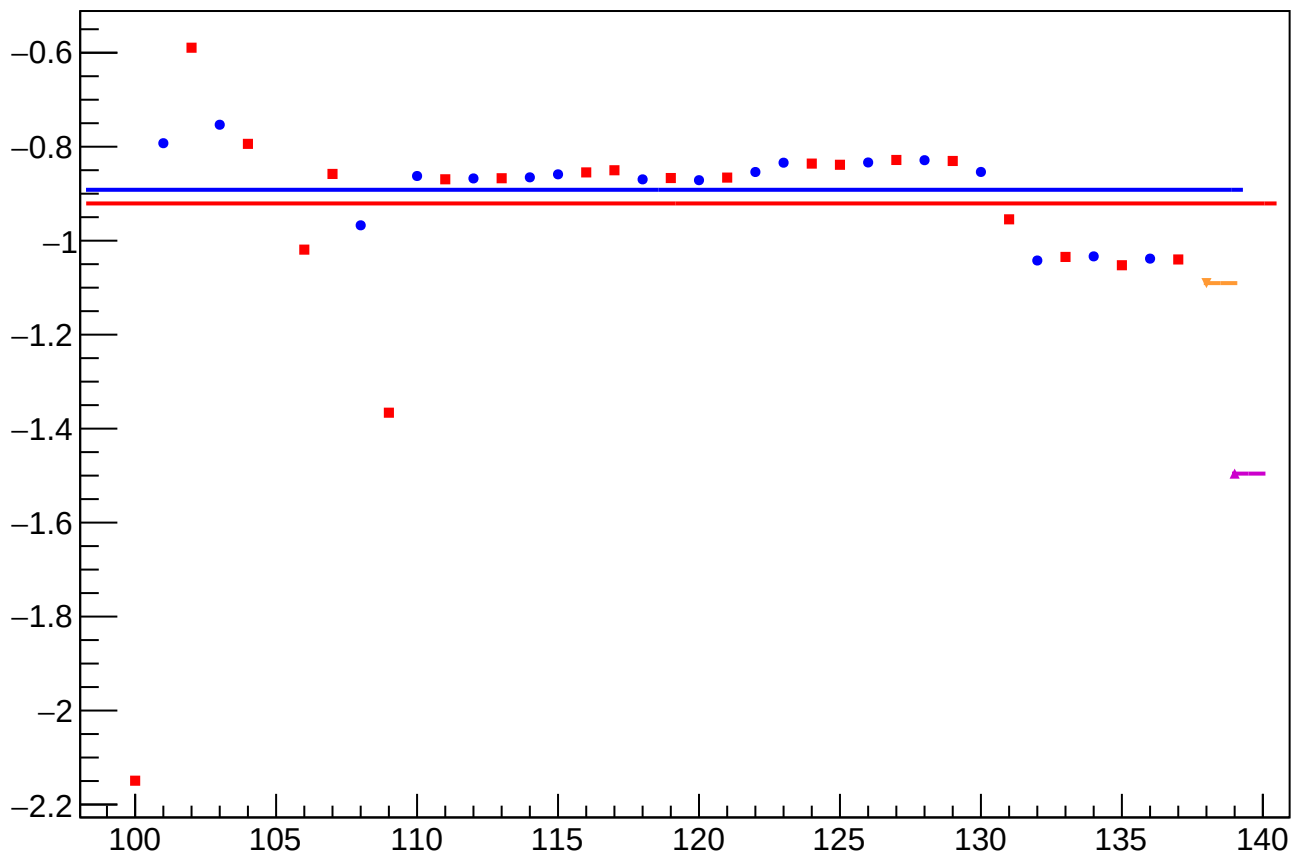
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 3045900.6/17

0.011+/-0.000 χ^2/NDF : 6509705.0/38

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: -1.090+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

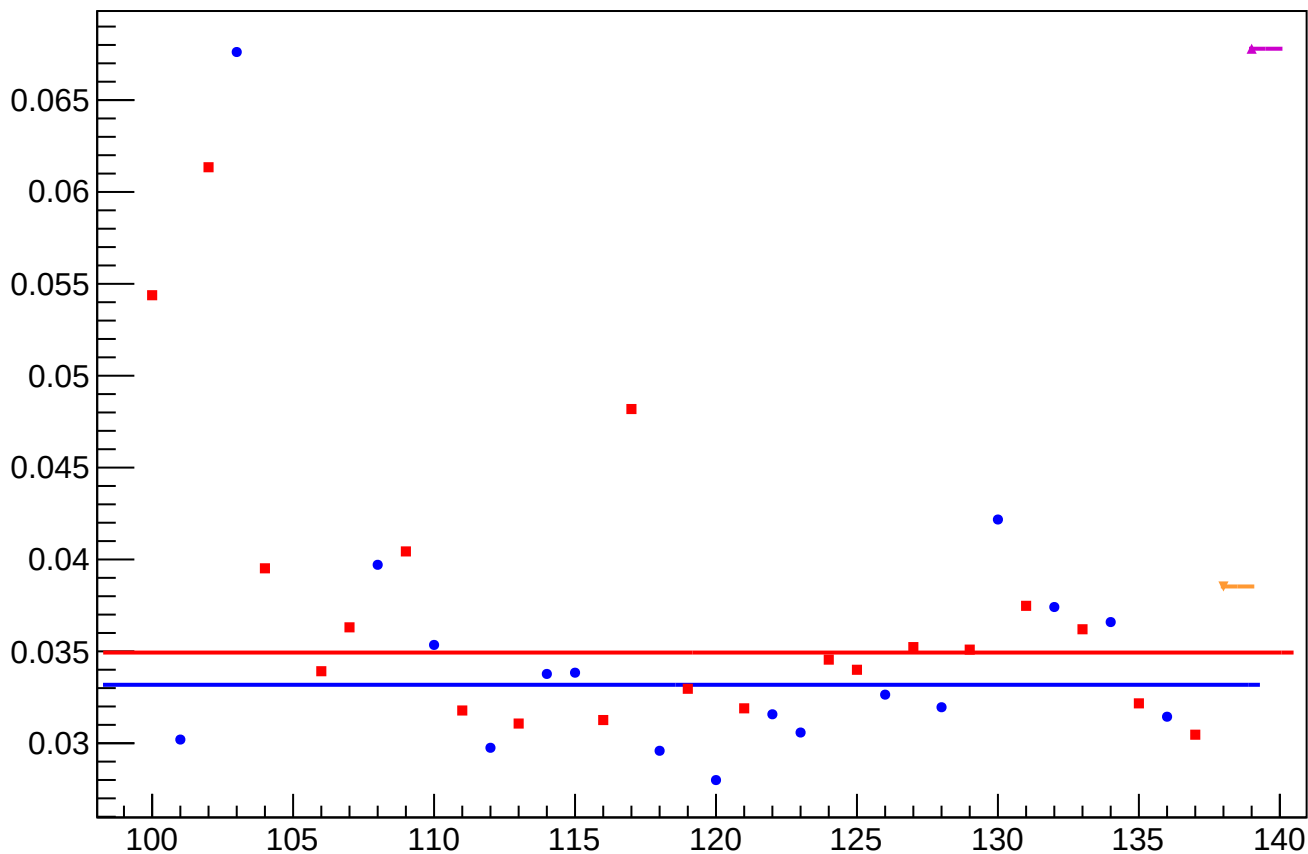
Left In: -1.496+/-0.000 χ^2/NDF : 0.0/0

-0.906+/-0.000 χ^2/NDF : 54499782.6/17

-0.921+/-0.000 χ^2/NDF : 237339299.6/38

-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: 0.039+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

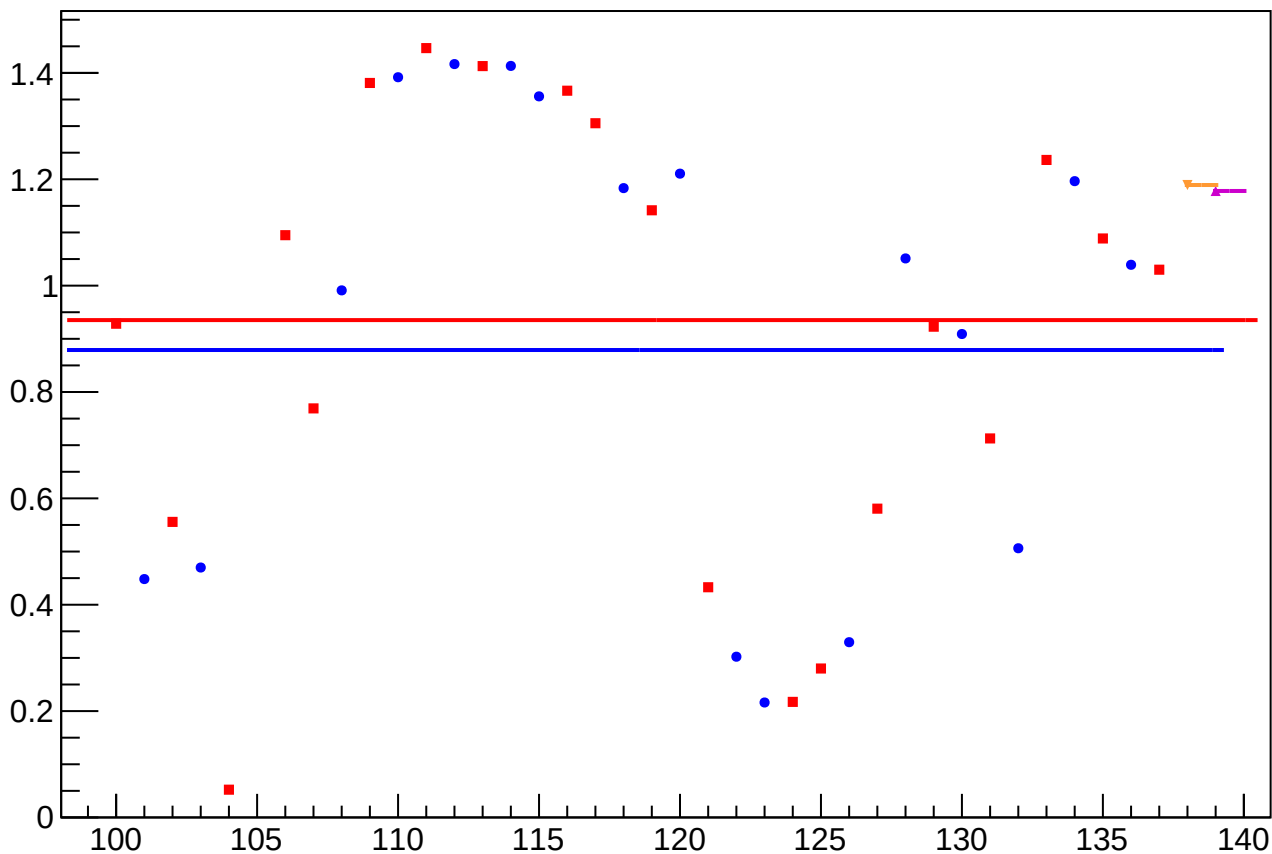
Left In: 0.068+/-0.000 χ^2/NDF : 0.0/0

0.034+/-0.000 χ^2/NDF : 421447.4/17

0.035+/-0.000 χ^2/NDF : 1051399.2/38

0.036+/-0.000 χ^2/NDF : 600294.1/20

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 1.189+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.935+/-0.000 χ^2/NDF : 9844960466.1/19

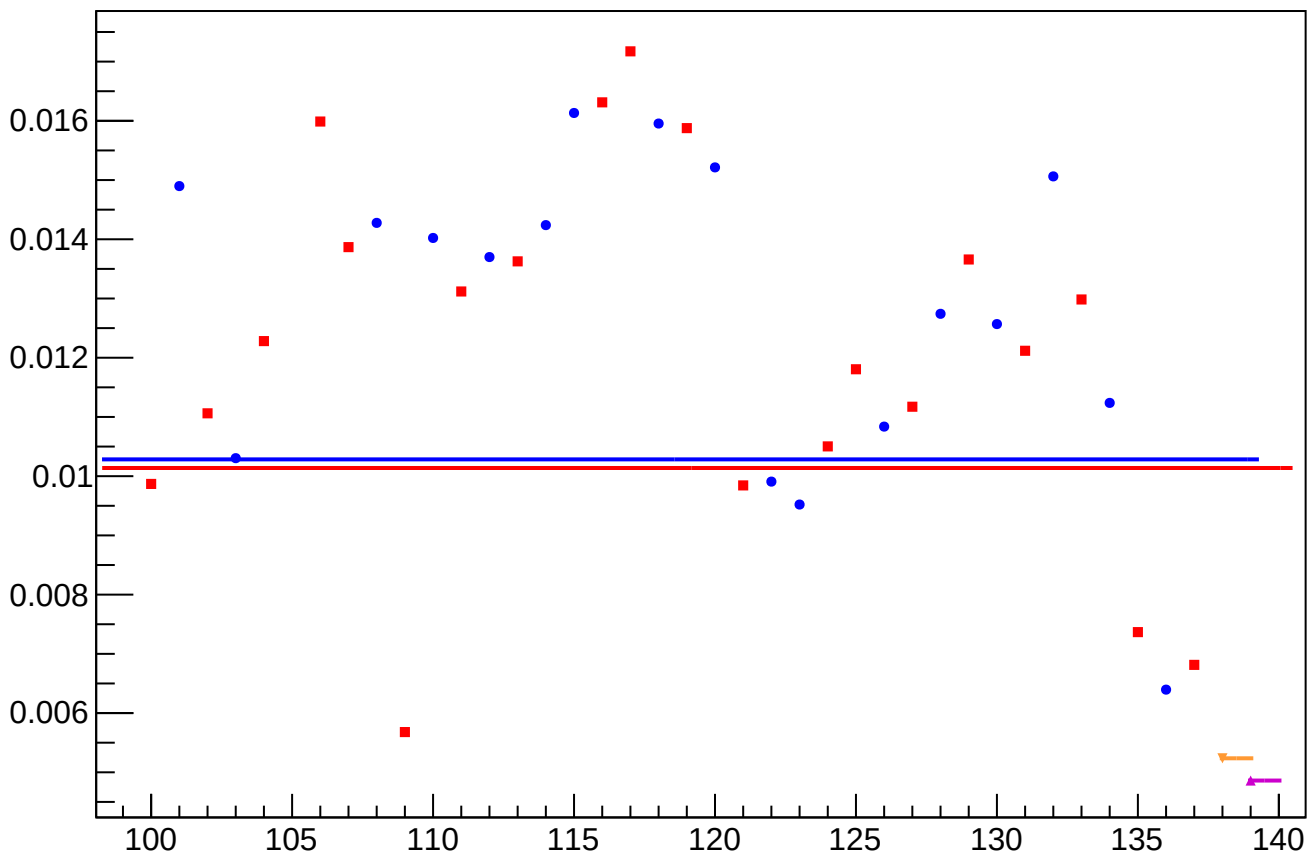
Left In: 1.178+/-0.000 χ^2/NDF : 0.0/0

0.975+/-0.000 χ^2/NDF : 7932573866.1/17

0.997+/-0.000 χ^2/NDF : 18974373234.9/3

1.017+/-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: 0.005 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1189529.0/19

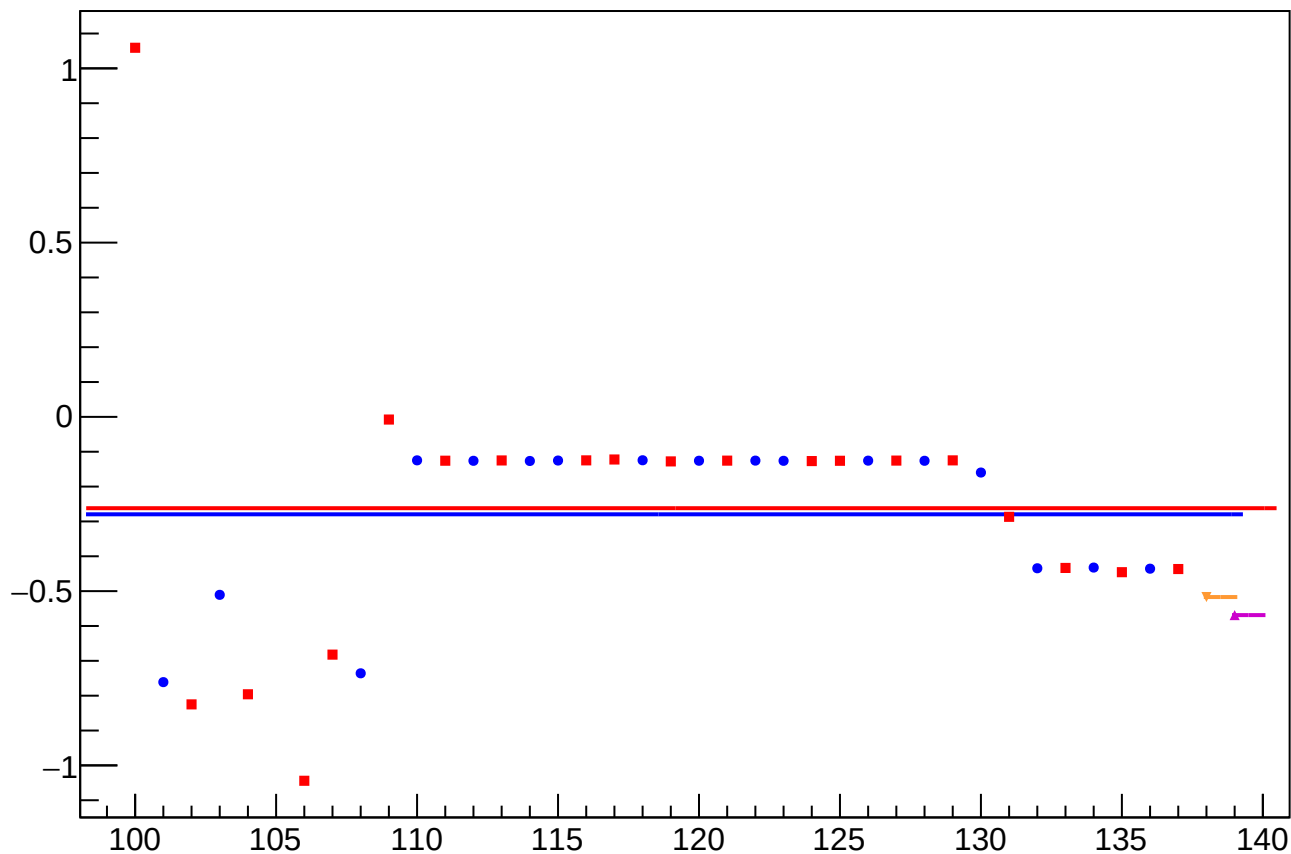
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.009 $\pm$ 0.000 χ^2 /NDF: 2033643.0/17

0.009 $\pm$ 0.000 χ^2 /NDF: 4297735.1/38

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: -0.517+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.262+/-0.000 χ^2/NDF : 1007161741.8/19

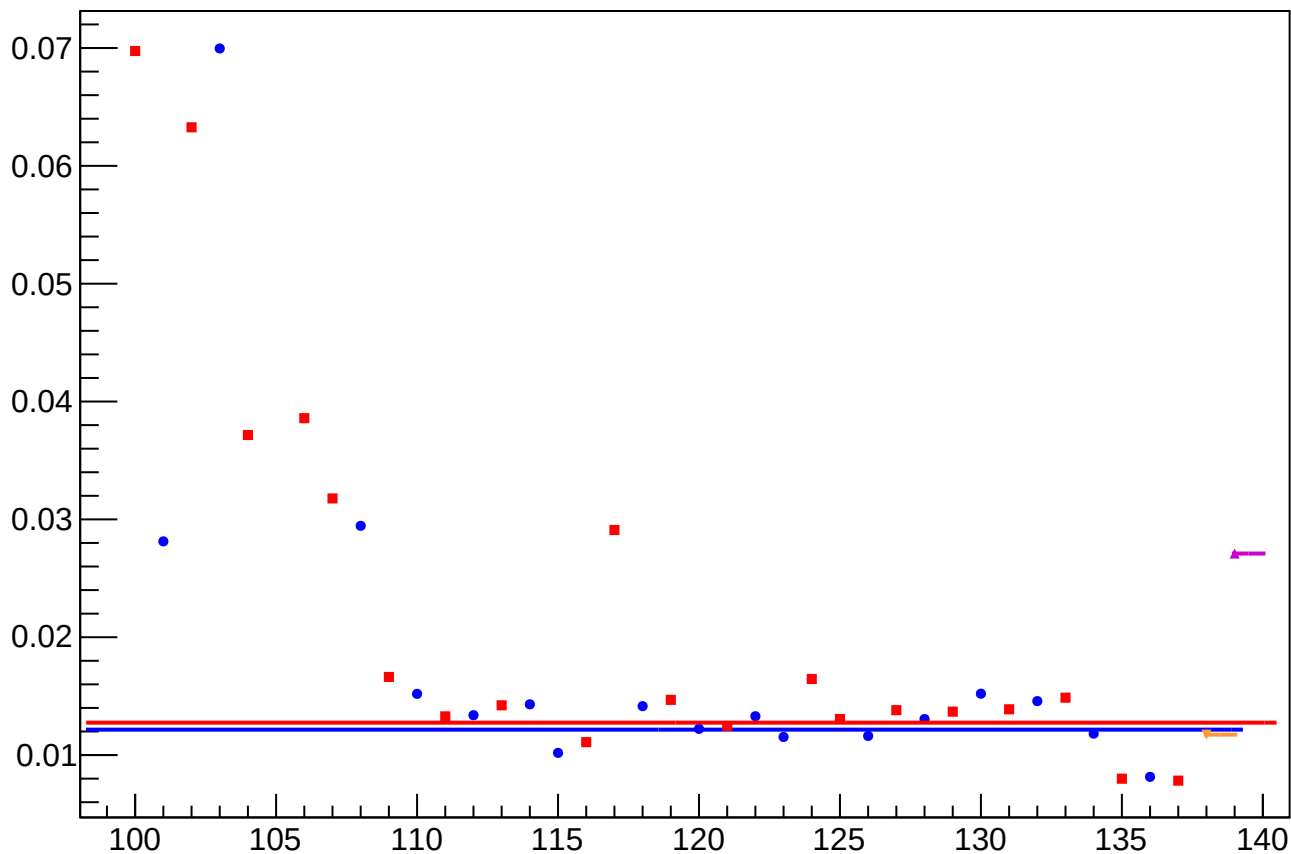
Left In: -0.569+/-0.000 χ^2/NDF : 0.0/0

-0.304+/-0.000 χ^2/NDF : 1112148153.8/17

-0.289+/-0.000 χ^2/NDF : 2224606681.7/30

-0.272+/-0.000 χ^2/NDF : 1095222203.3/20

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1991972.4/19

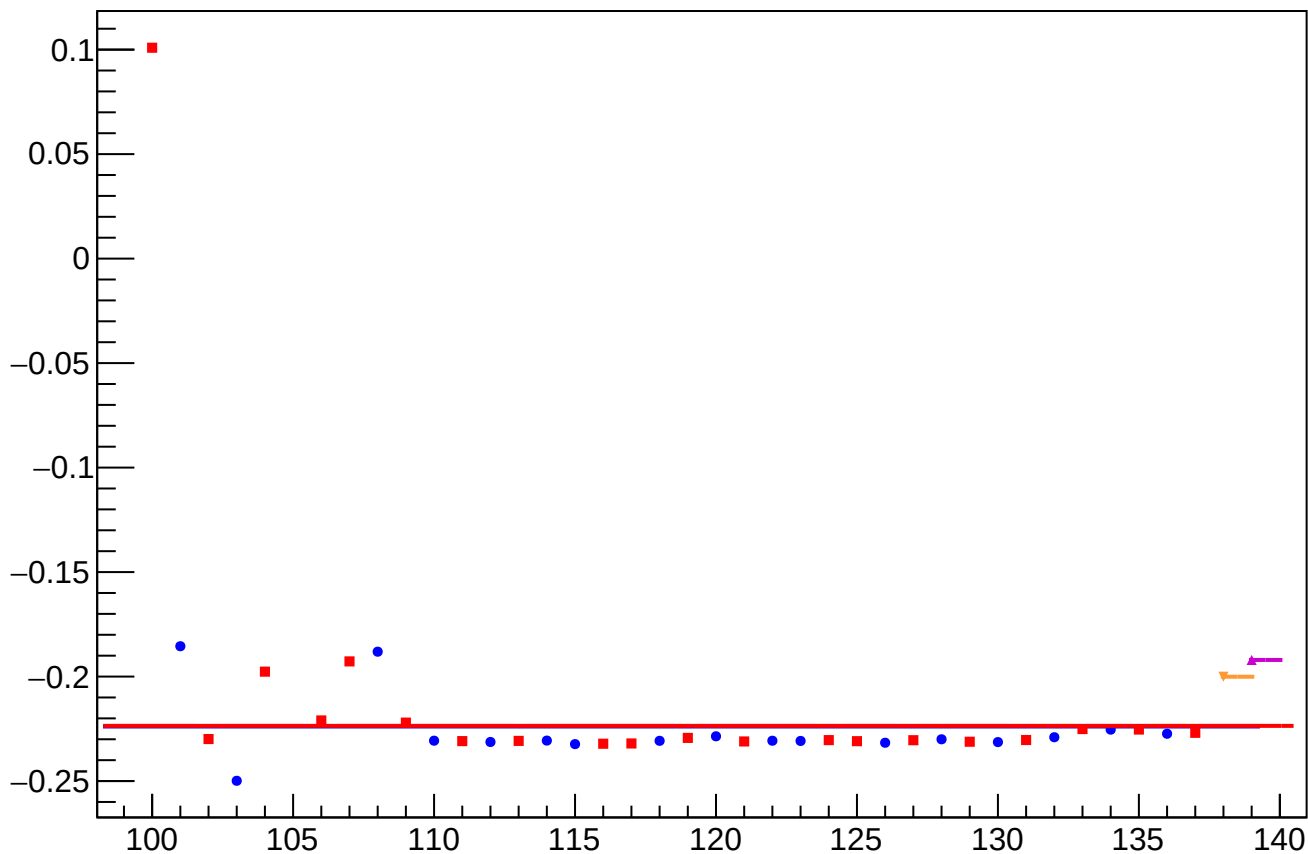
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.012 $\pm$ 0.000 χ^2 /NDF: 1723953.0/17

0.013 $\pm$ 0.000 χ^2 /NDF: 4140215.0/38

0.013 $\pm$ 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: -0.200+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

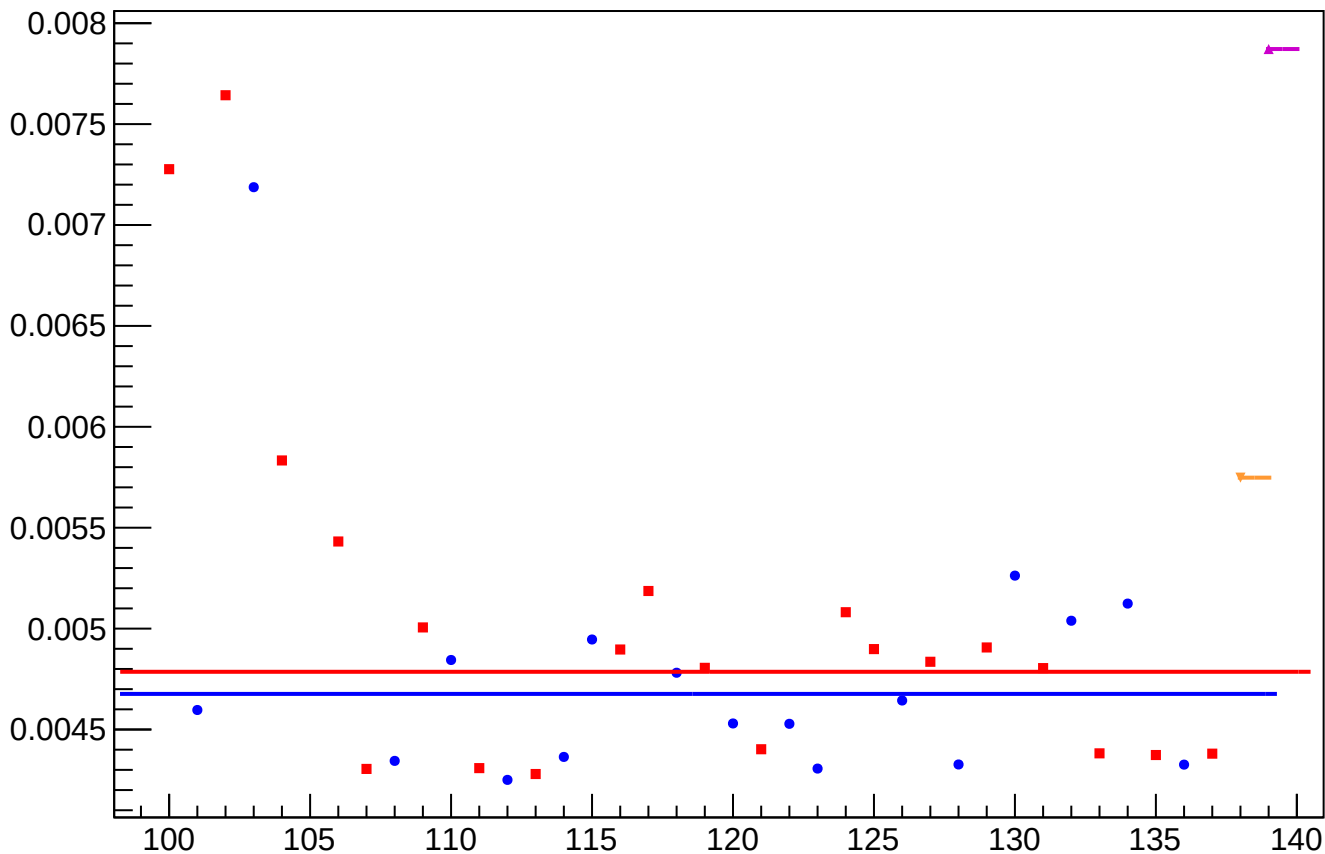
Left In: -0.192+/-0.000 χ^2/NDF : 0.0/0

-0.222+/-0.000 χ^2/NDF : 85290662.8/17

-0.222+/-0.000 χ^2/NDF : 264133697.8/38

-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: 0.006+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

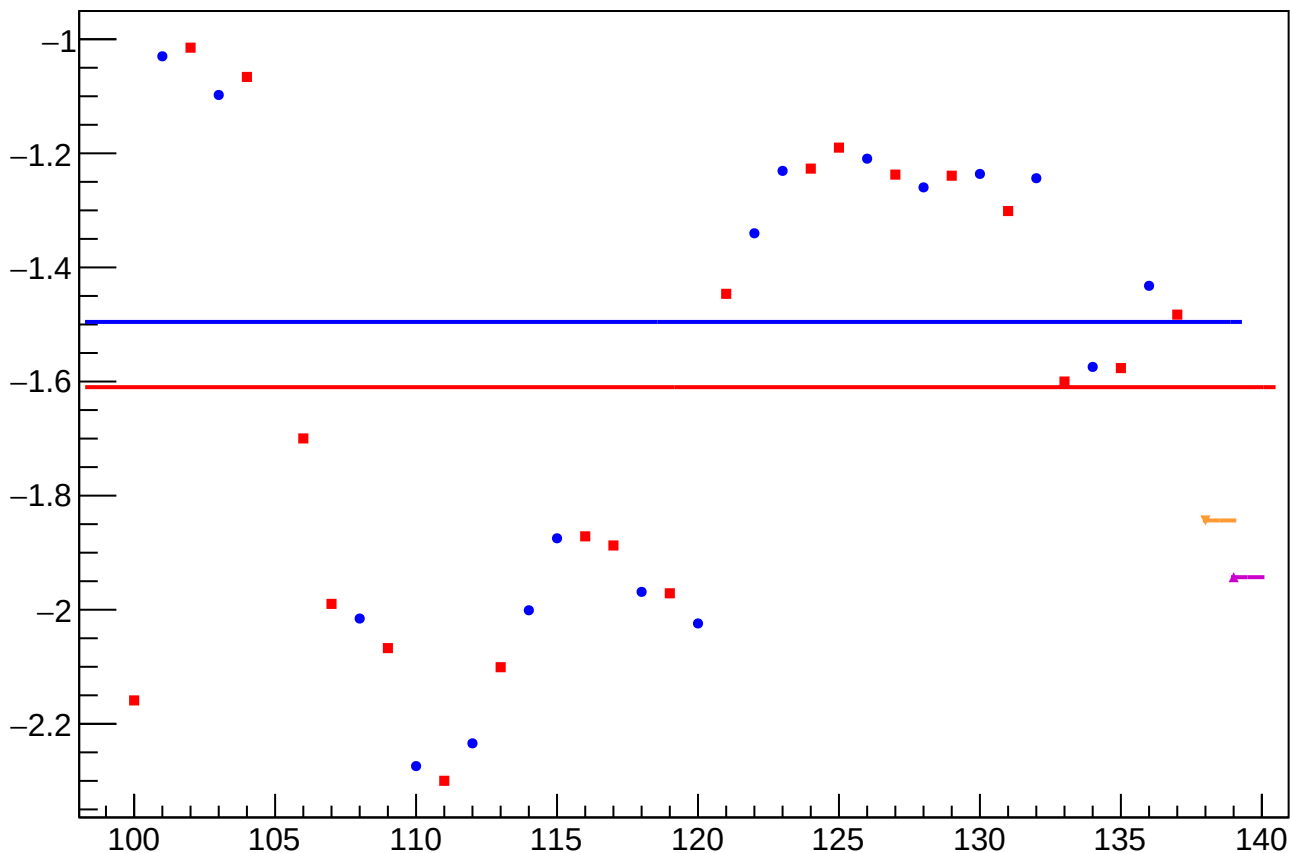
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 224103.5/17

0.005+/-0.000 χ^2/NDF : 682819.5/38

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: -1.843+/-0.000 χ^2/NDF : 0.0/0

-1.545+/-0.000 χ^2/NDF : 24901611598.8/17

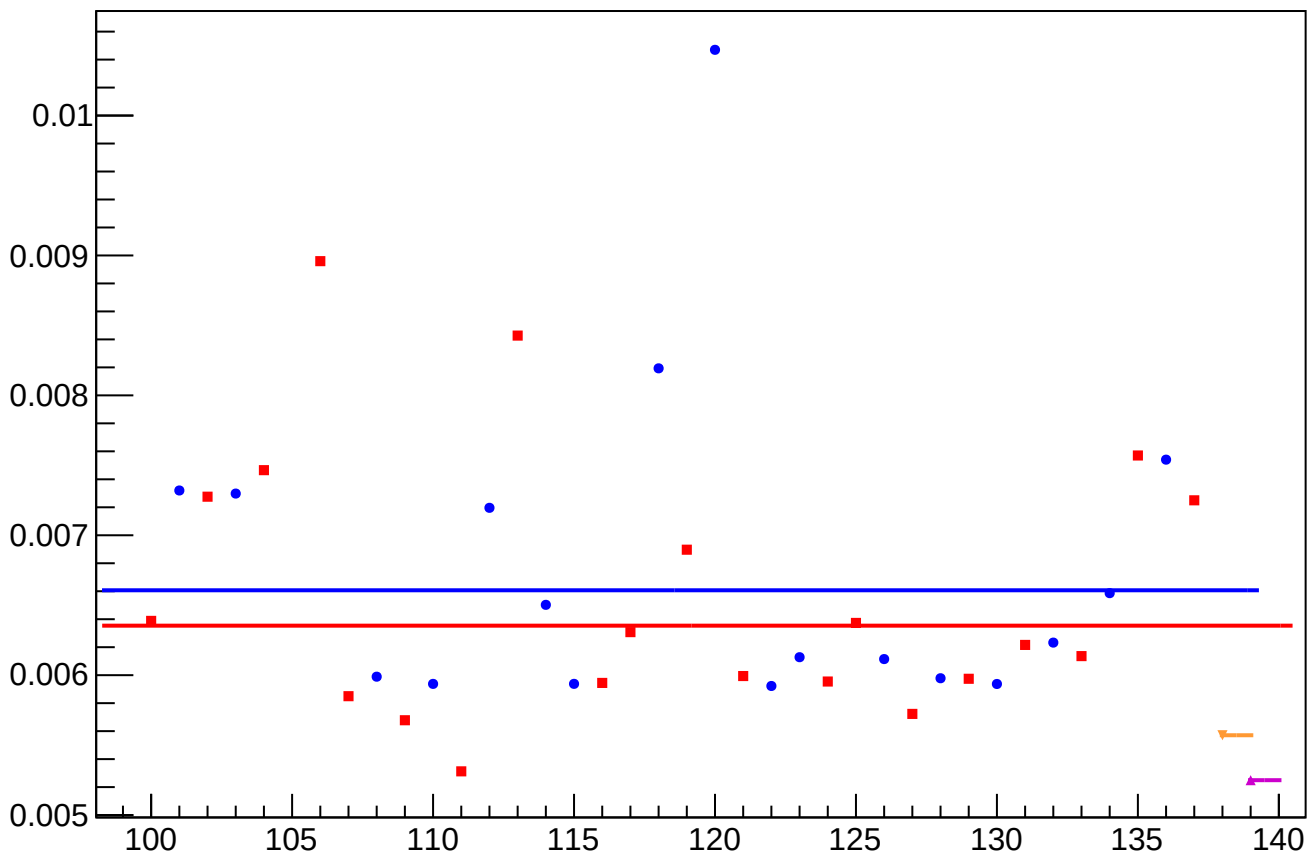
-1.604+/-0.000 χ^2/NDF : 56354899517.0/3

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

-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: 0.006+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

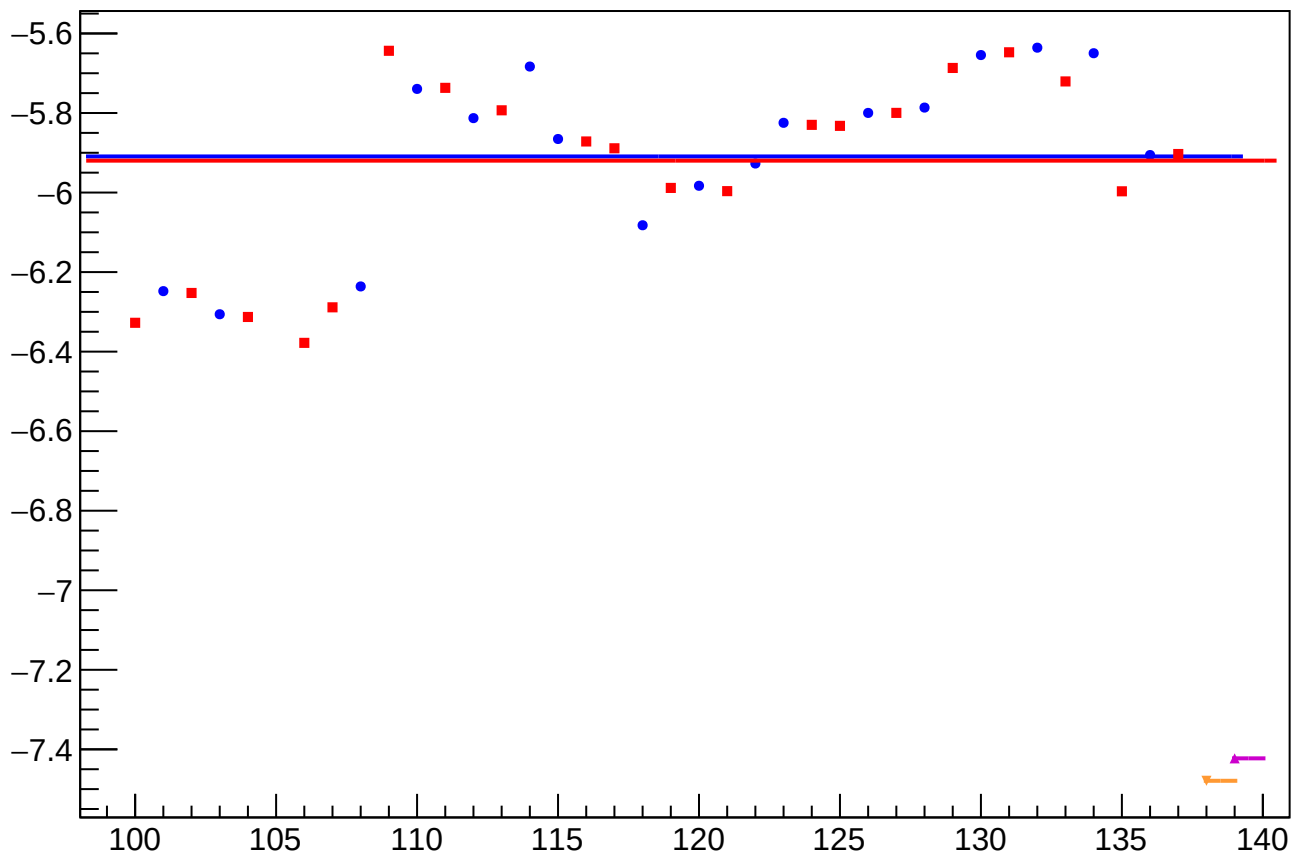
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 243807.6/17

0.006+/-0.000 χ^2/NDF : 536611.7/38

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 : 0.0/0

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

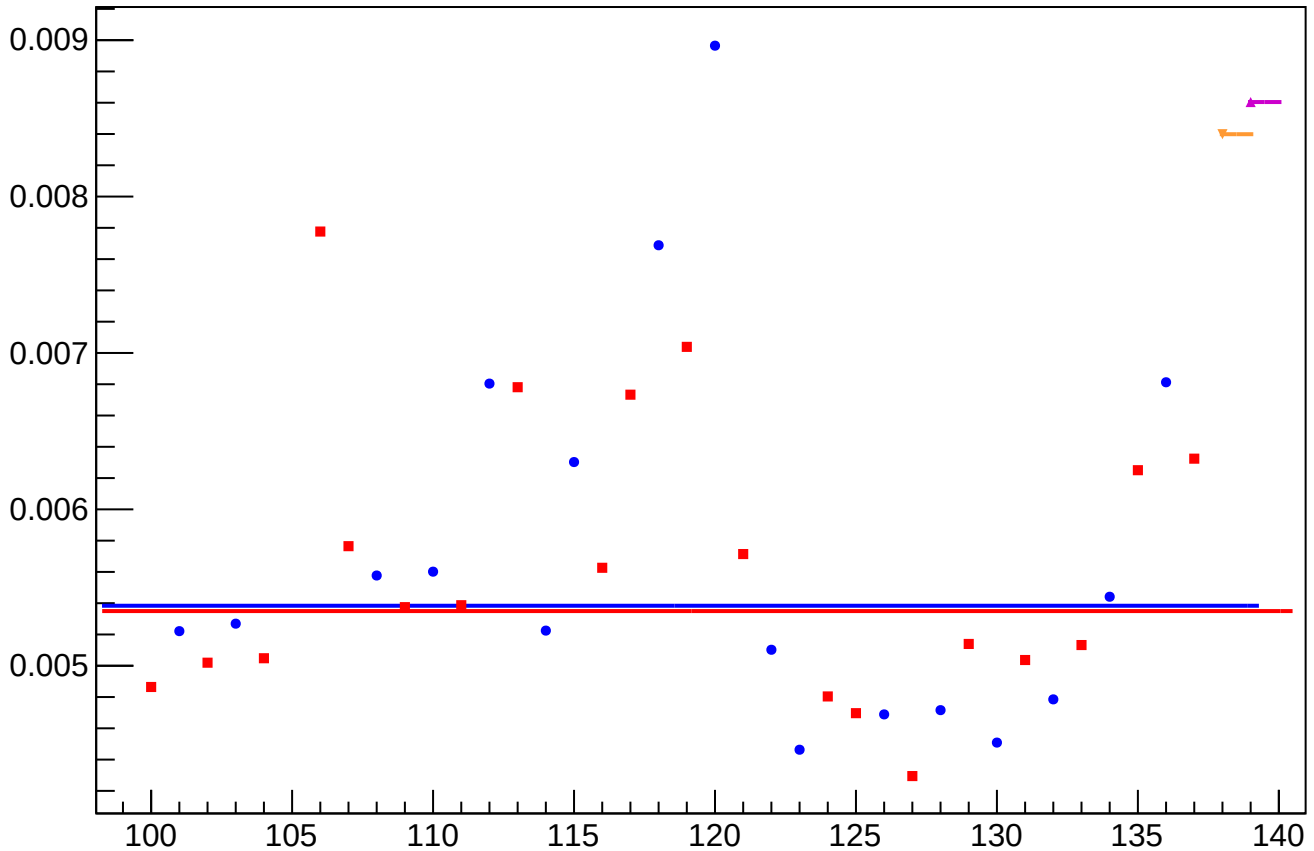
Left In: -7.423+/-0.000 χ^2/NDF : 0.0/0

-5.970+/-0.000 χ^2/NDF : 30517282283.2/17

-5.971+/-0.000 χ^2/NDF : 60887955532.7/17

-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 : 0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

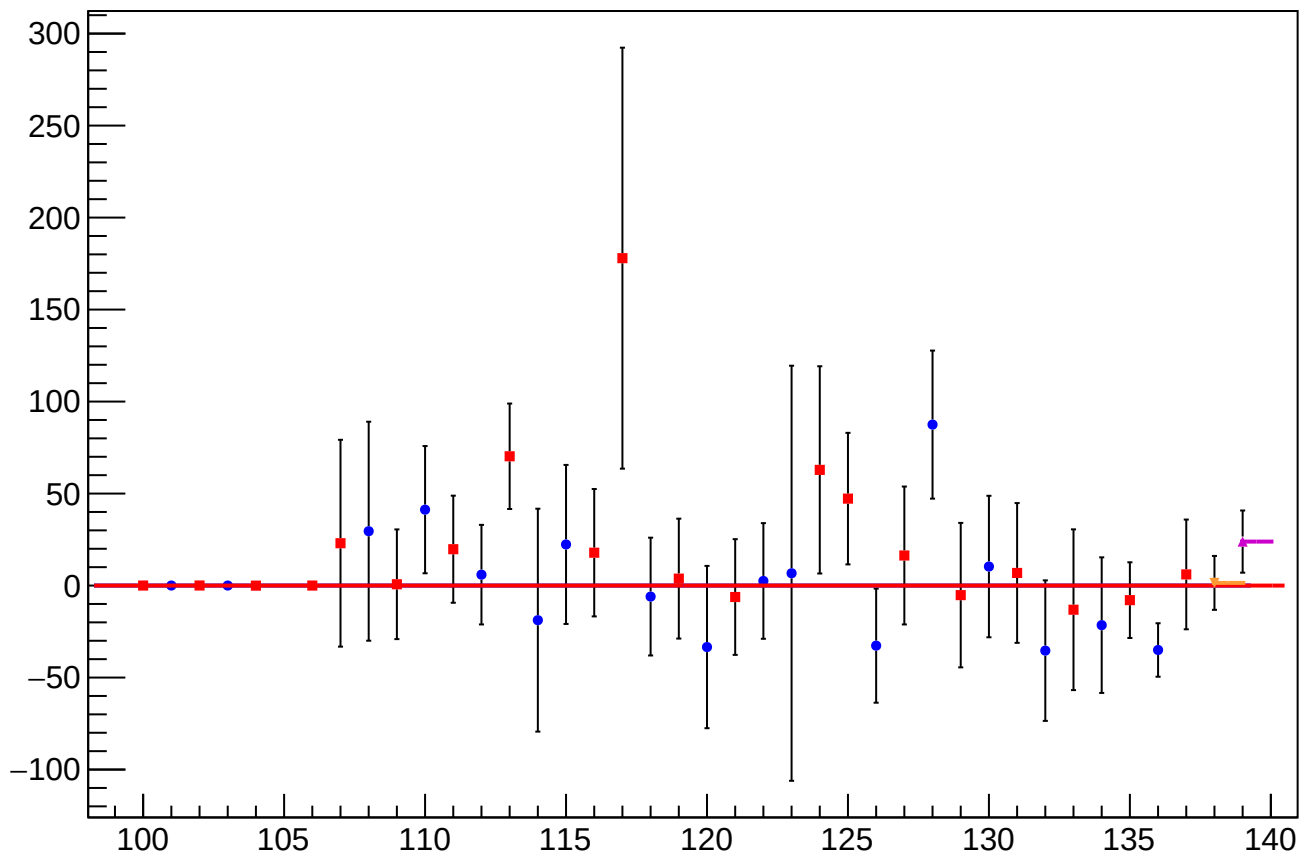
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 490687.3/17

0.005+/-0.000 χ^2/NDF : 903955.1/38

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: 1.457+/-14.647 χ^2/NDF : 0.0/0

Right Out: -0.003+/-0.016 χ^2/NDF : 17.7/19

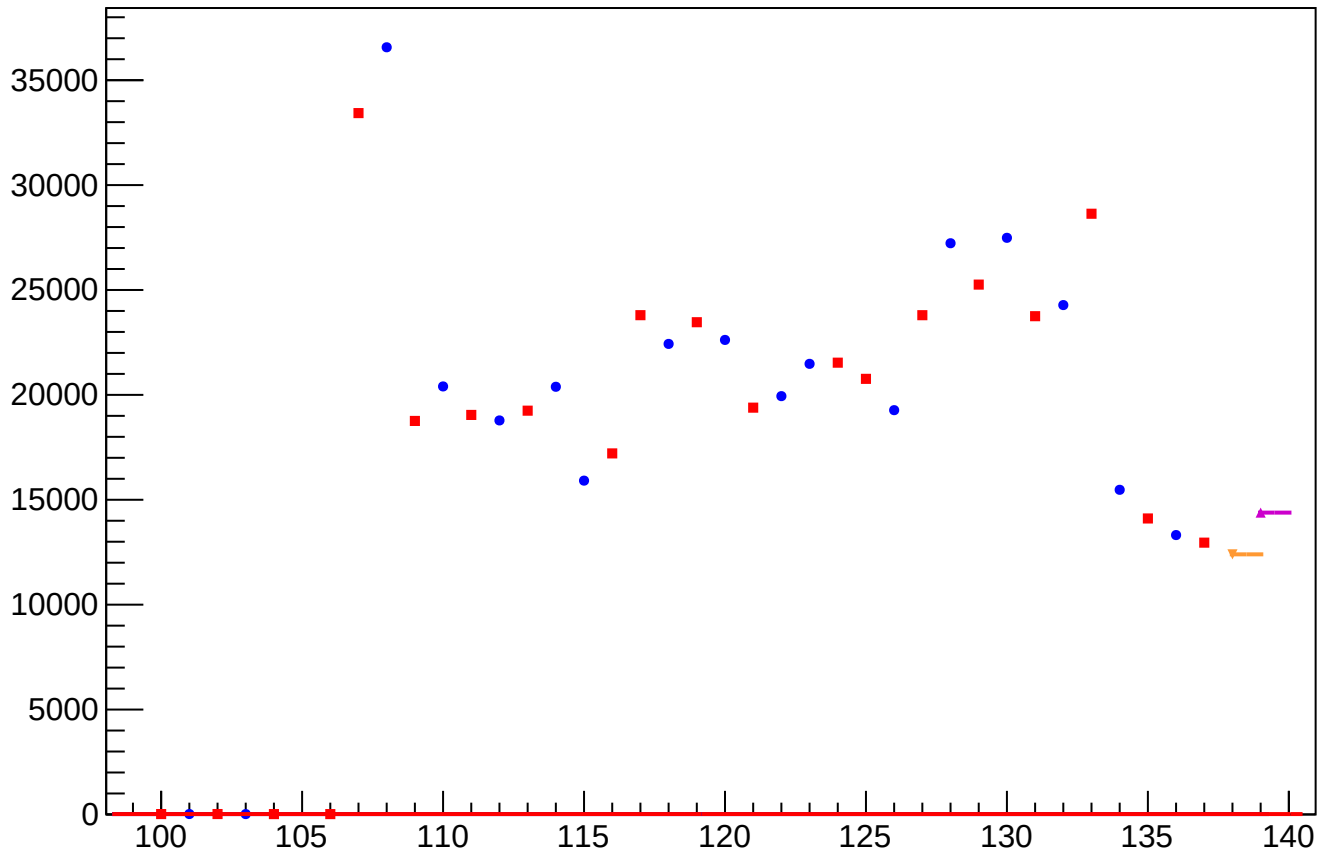
Left In: 23.899+/-16.895 χ^2/NDF : 0.0/0

0.013+/-0.017 χ^2/NDF : 15.8/17

0.004+/-0.012 χ^2/NDF : 36.0/38

-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: 12398.615+/-10.357 χ^2/NDF : 0.0/0

Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

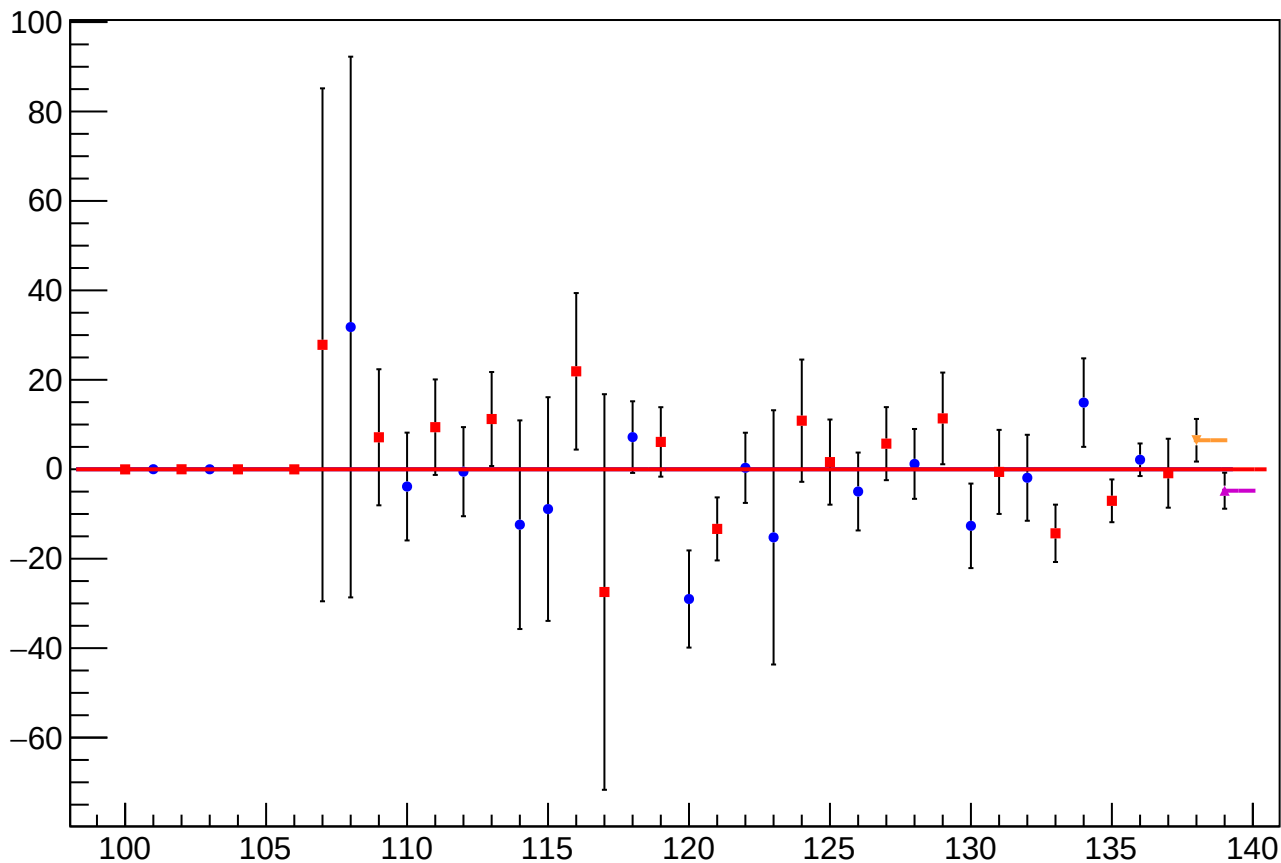
Left In: 14387.726+/-11.946 χ^2/NDF : 0.0/0

18.658+/-0.012 χ^2/NDF : 12270412.7/17

18.479+/-0.008 χ^2/NDF : 24907322.8/38

18.325+/-0.011 χ^2/NDF : 12636512.4/20

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 6.486 $\pm$ 4.767 χ^2 /NDF: 0.0/0

Right Out: -0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/19

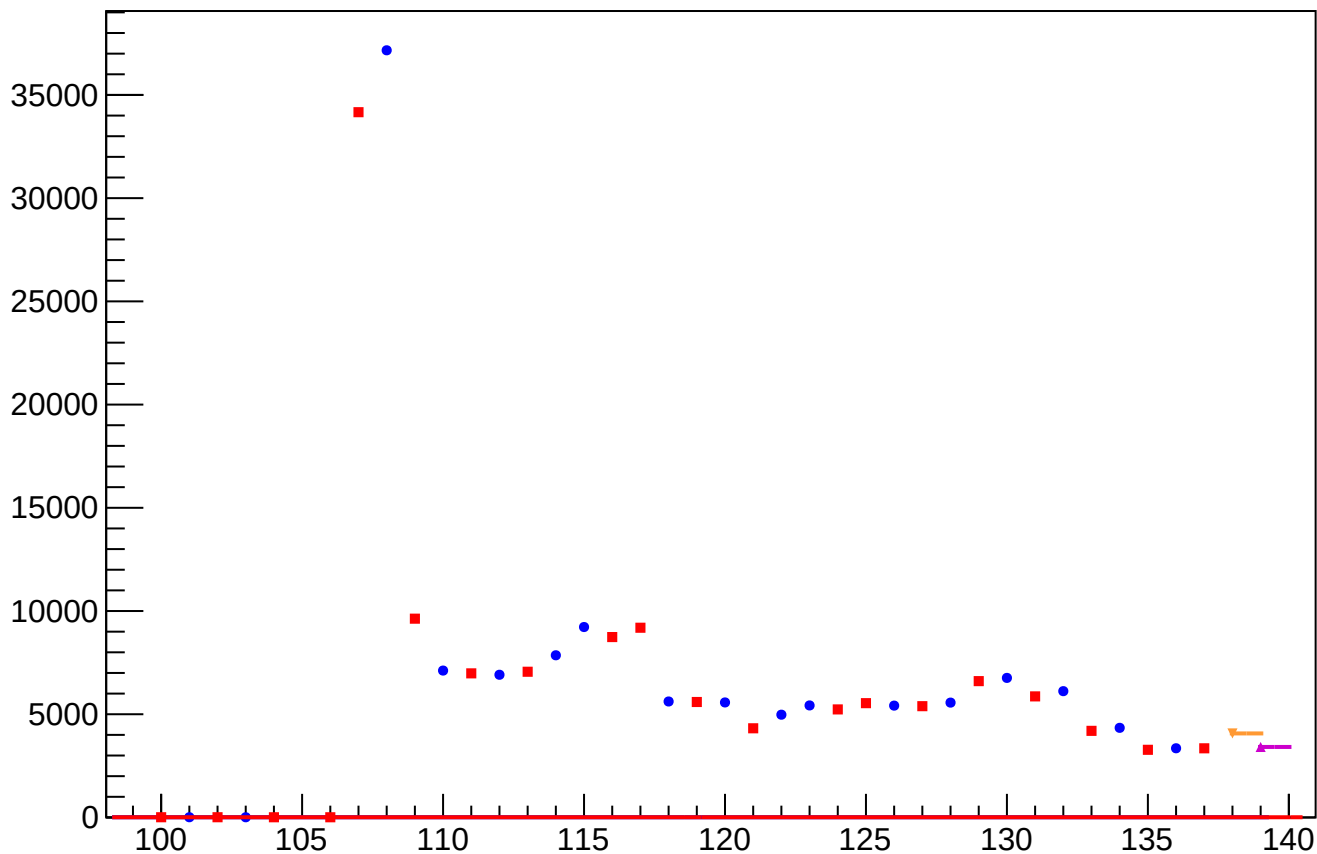
Left In: -4.797 $\pm$ 4.026 χ^2 /NDF: 0.0/0

0.001 $\pm$ 0.009 χ^2 /NDF: 16.7/17

-0.007 $\pm$ 0.006 χ^2 /NDF: 38.4/38

-0.014 $\pm$ 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: 4070.118+/-3.371 χ^2/NDF : 0.0/0

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

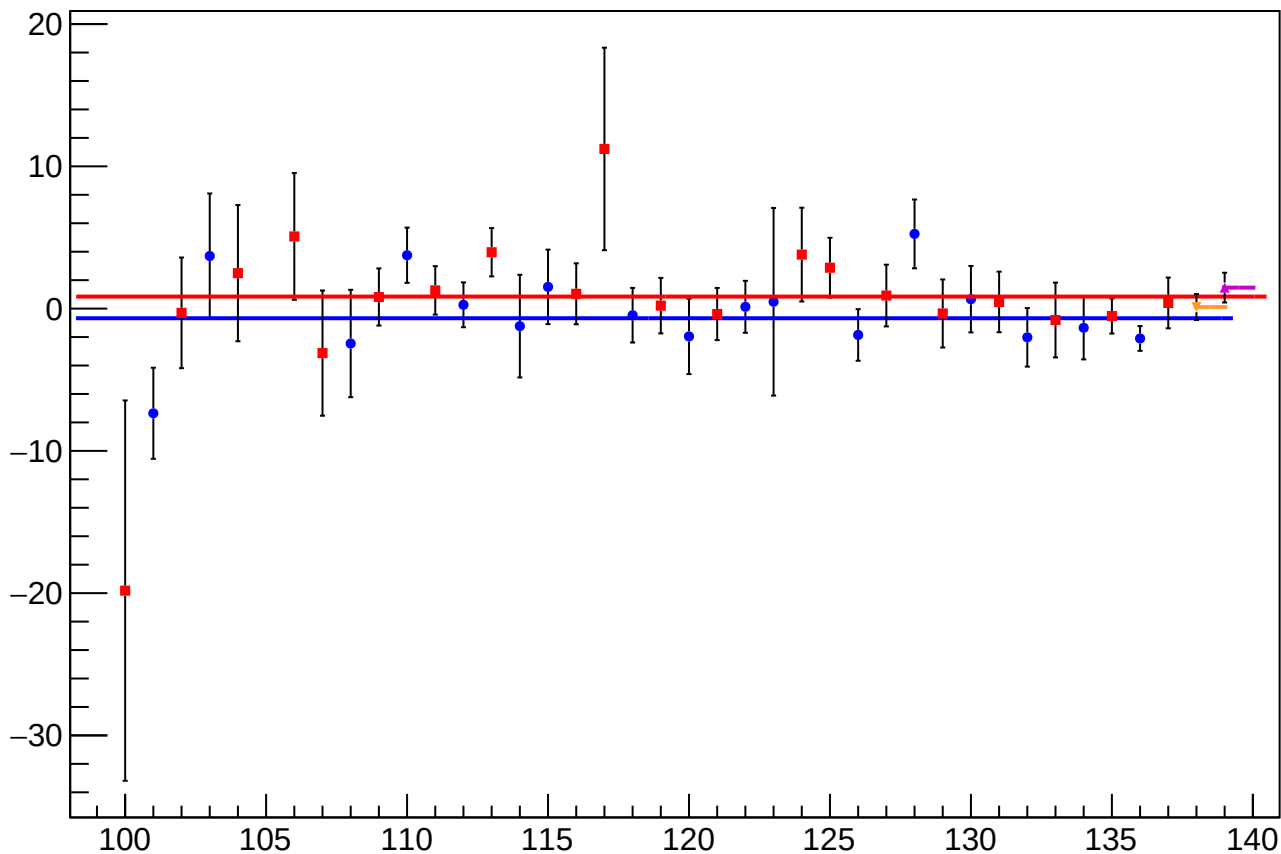
Left In: 3415.160+/-2.847 χ^2/NDF : 0.0/0

9.953+/-0.007 χ^2/NDF : 12424583.9/17

9.909+/-0.004 χ^2/NDF : 25094175.7/38

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: 0.108 ± 0.913 χ^2/NDF : 0.0/0

Right Out: 0.846 ± 0.500 χ^2/NDF : 14.1/19

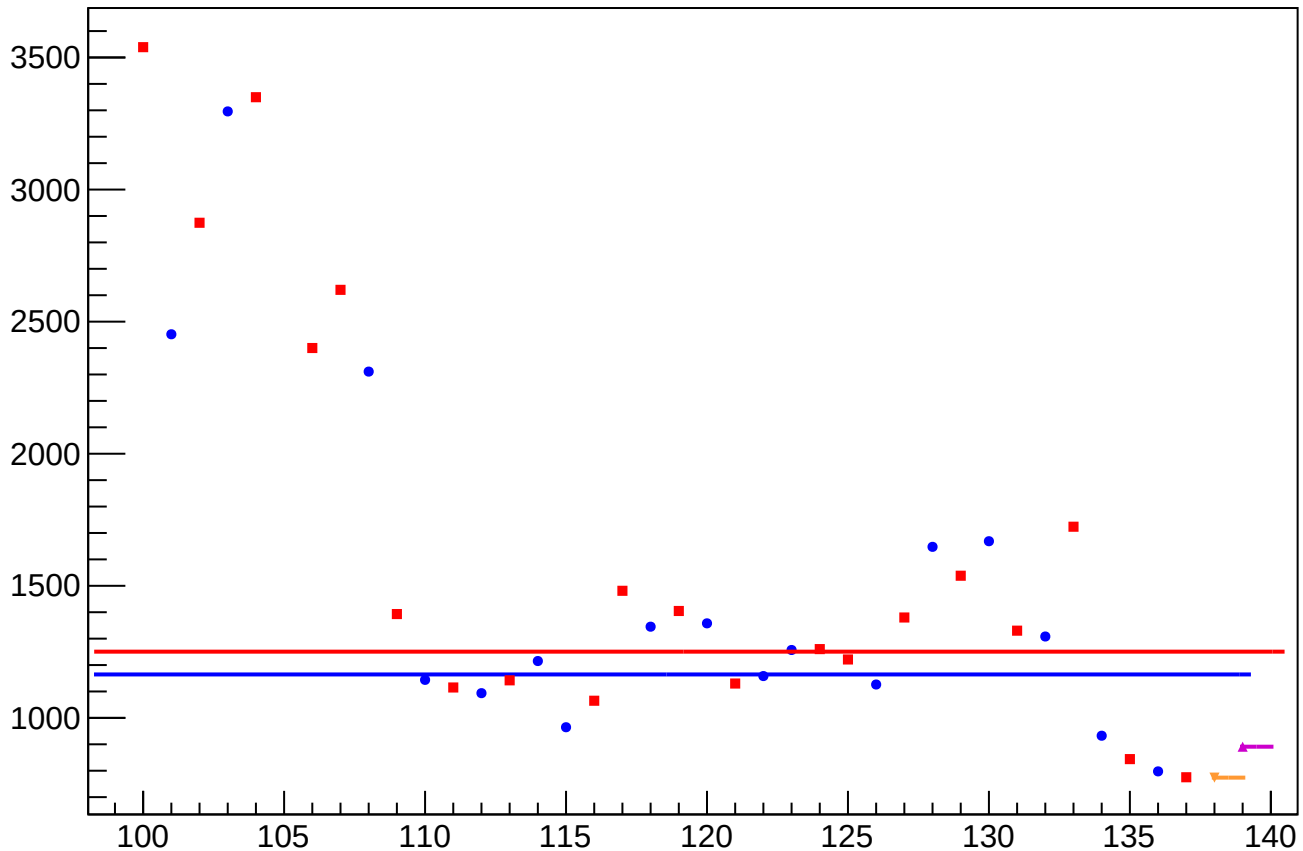
Left In: 1.476 ± 1.046 χ^2/NDF : 0.0/0

-0.504 ± 0.428 χ^2/NDF : 22.9/17

0.190 ± 0.310 χ^2/NDF : 42.9/38

0.963 ± 0.451 χ^2/NDF : 14.4/20

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 773.848 $\pm$ 0.646 χ^2 /NDF: 0.0/0

Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

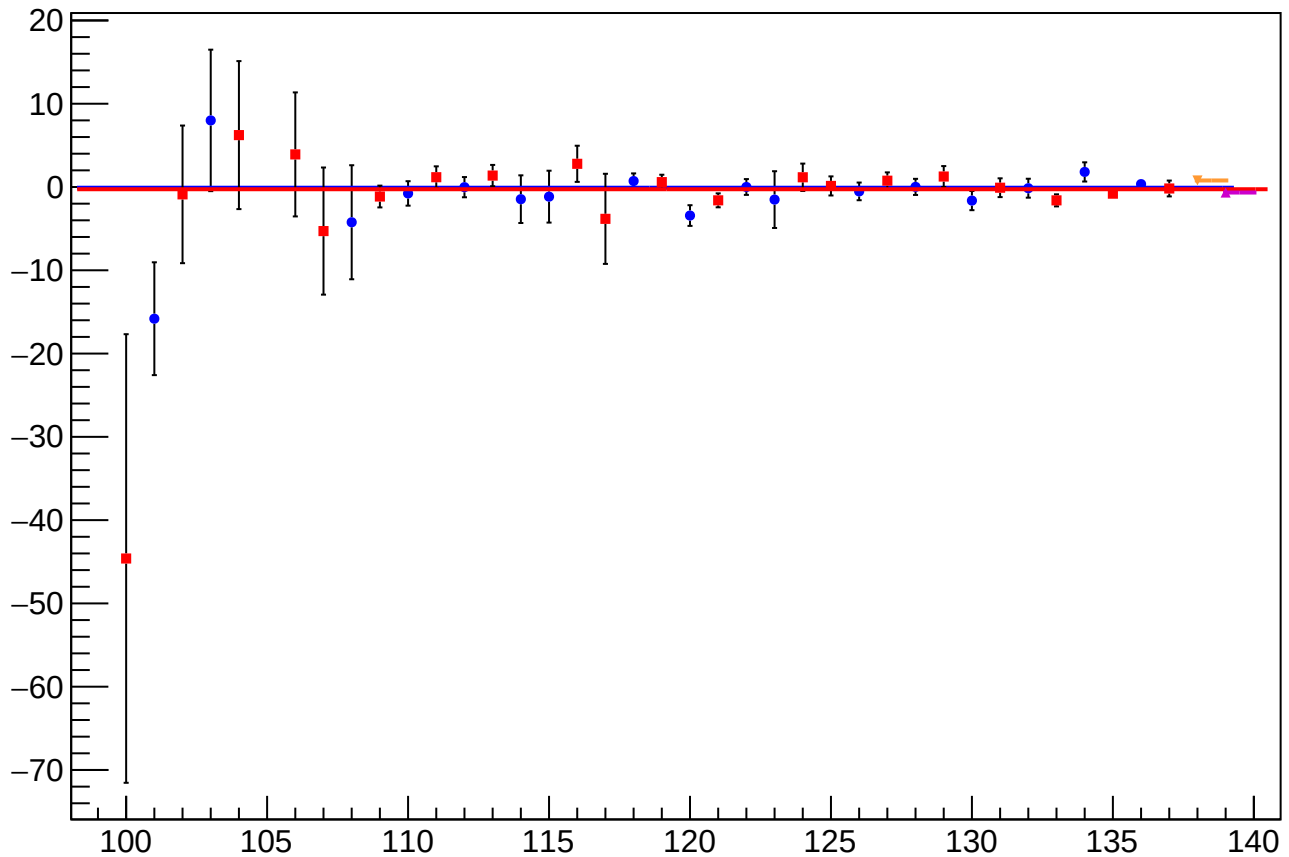
Left In: 890.937 $\pm$ 0.740 χ^2 /NDF: 0.0/0

1078.759 $\pm$ 0.302 χ^2 /NDF: 1869850.4/17

1128.494 $\pm$ 0.219 χ^2 /NDF: 3771775.3/38

1183.824 $\pm$ 0.319 χ^2 /NDF: 1844806.5/20

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.785 ± 0.585 χ^2/NDF : 0.0/0

Right Out: -0.268 ± 0.264 χ^2/NDF : 20.9/19

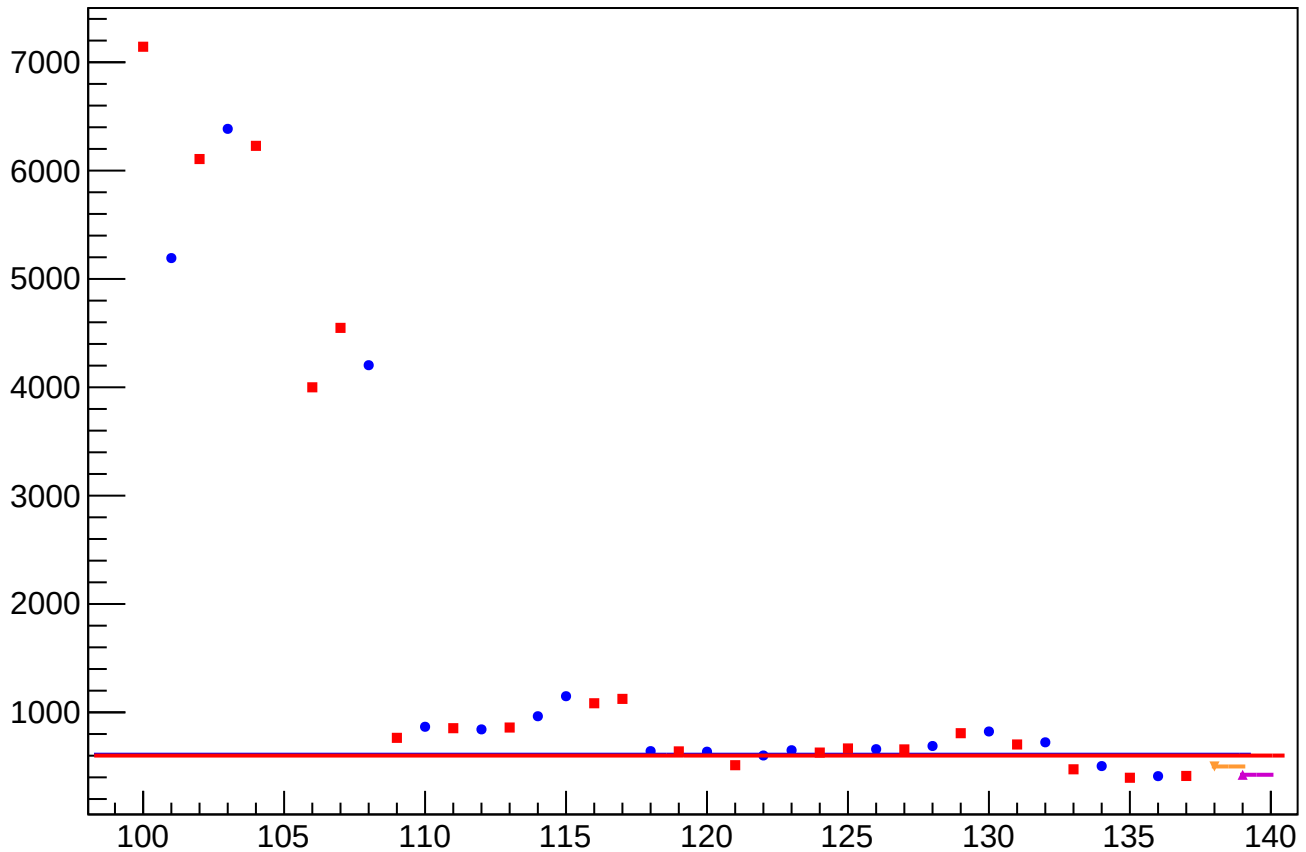
Left In: -0.664 ± 0.500 χ^2/NDF : 0.0/0

0.067 ± 0.245 χ^2/NDF : 22.9/17

-0.154 ± 0.169 χ^2/NDF : 45.8/38

-0.354 ± 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: 500.395+/-0.414 χ^2/NDF : 0.0/0

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

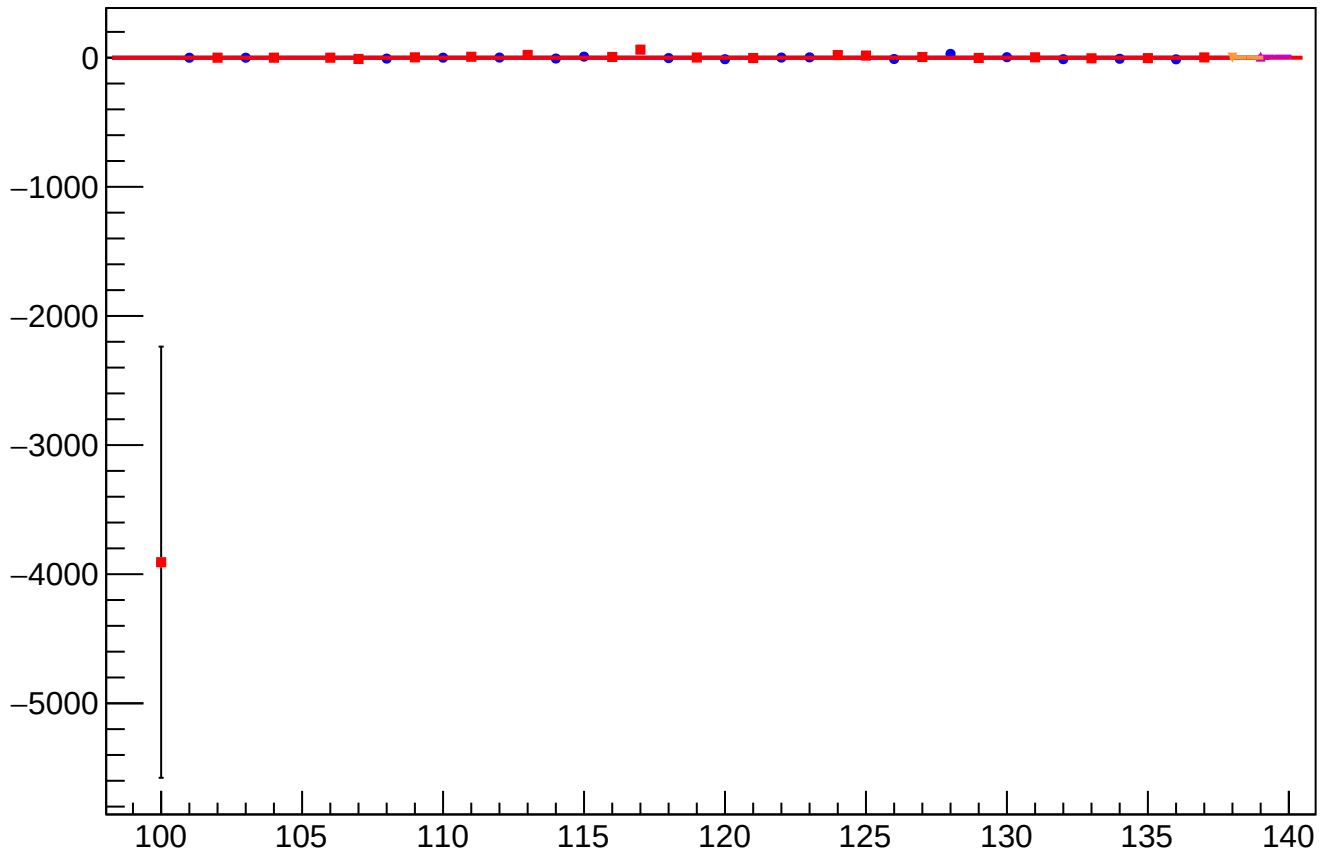
Left In: 423.835+/-0.354 χ^2/NDF : 0.0/0

589.918+/-0.173 χ^2/NDF : 3196077.1/17

575.541+/-0.120 χ^2/NDF : 6972147.7/38

562.511+/-0.165 χ^2/NDF : 3762968.4/20

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: 0.679 ± 5.250 χ^2/NDF : 0.0/0

Right Out: 0.027 ± 0.020 χ^2/NDF : 19.8/19

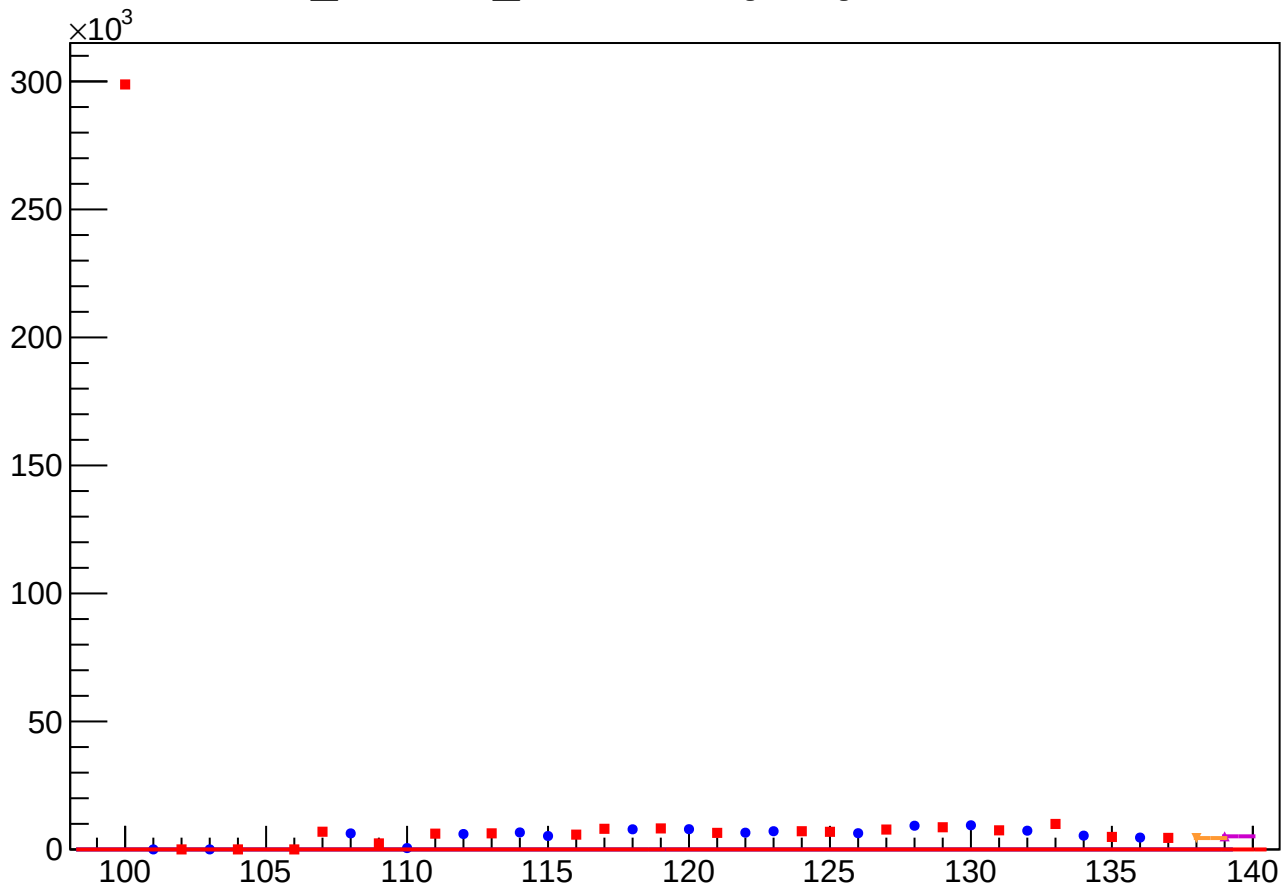
Left In: 8.493 ± 6.023 χ^2/NDF : 0.0/0

-0.022 ± 0.021 χ^2/NDF : 15.3/17

0.004 ± 0.014 χ^2/NDF : 39.9/38

0.027 ± 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: 4448.545 $\pm$ 3.713 χ^2 /NDF: 0.0/0

Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

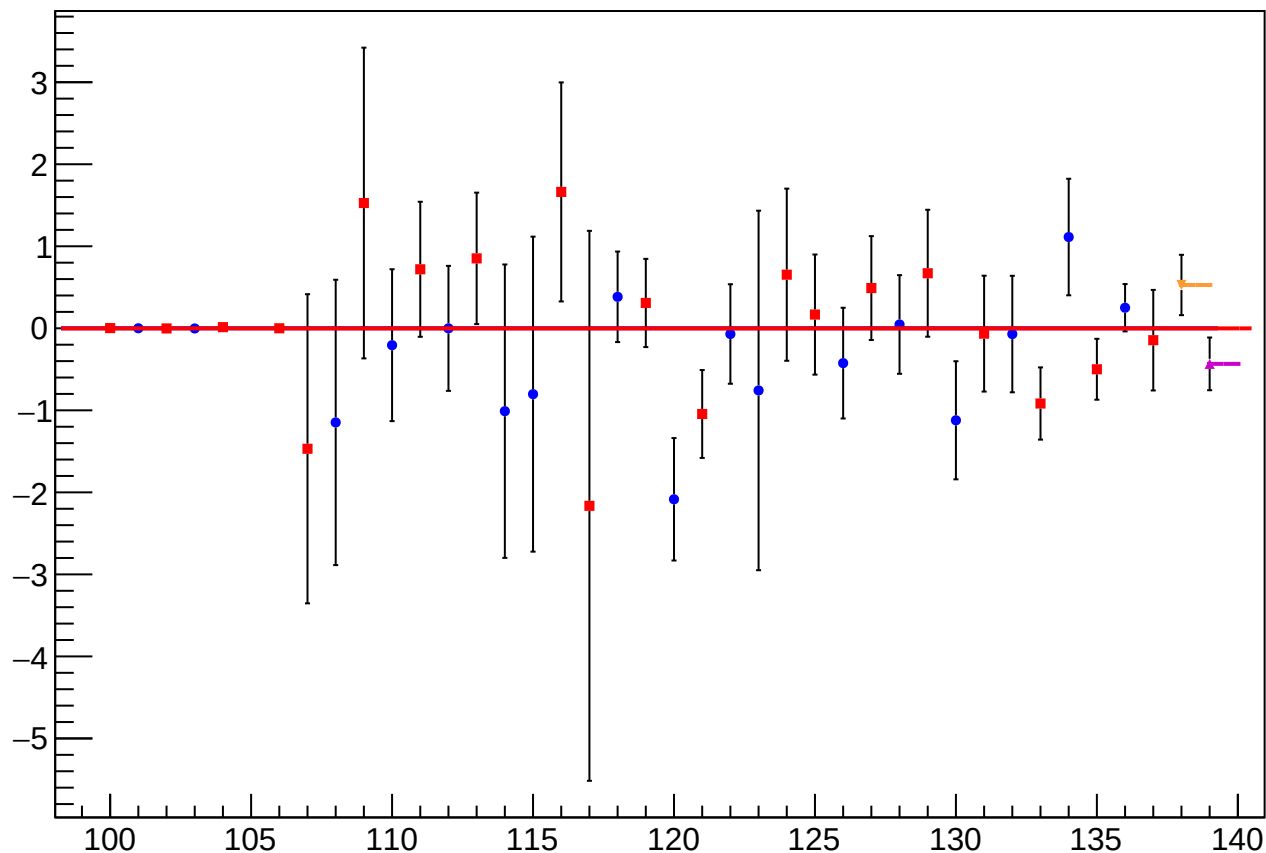
Left In: 5129.407 $\pm$ 4.259 χ^2 /NDF: 0.0/0

17.406 $\pm$ 0.015 χ^2 /NDF: 11783964.3/17

17.364 $\pm$ 0.010 χ^2 /NDF: 24124429.4/38

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: 0.528 ± 0.368 χ^2/NDF : 0.0/0

Right Out: -0.001 ± 0.002 χ^2/NDF : 18.2/19

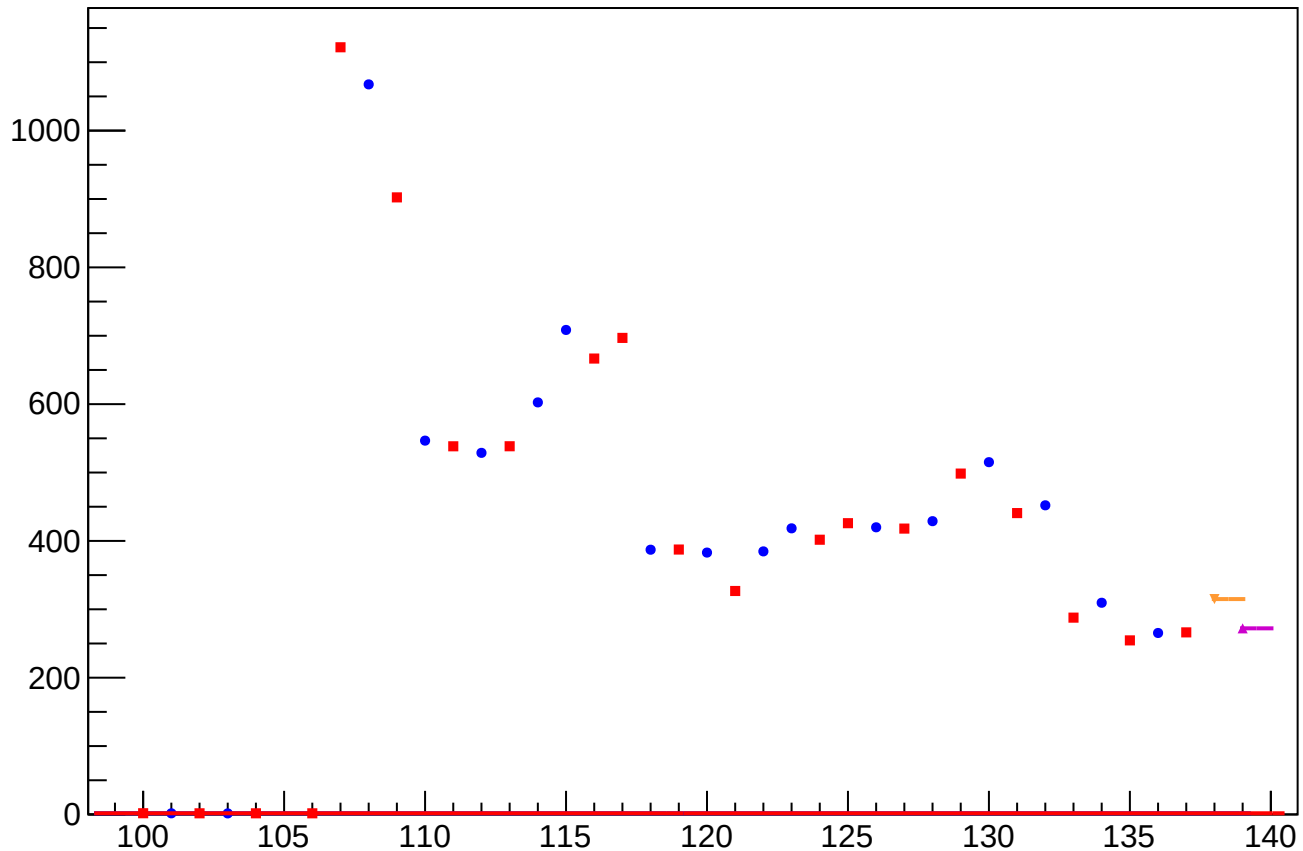
Left In: -0.434 ± 0.321 χ^2/NDF : 0.0/0

0.000 ± 0.002 χ^2/NDF : 17.7/17

-0.000 ± 0.001 χ^2/NDF : 37.9/38

-0.001 ± 0.002 χ^2/NDF : 20.0/20

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 314.952 $\pm$ 0.260 χ^2 /NDF: 0.0/0

Right Out: 1.729 $\pm$ 0.001 χ^2 /NDF: 10822679.1/19

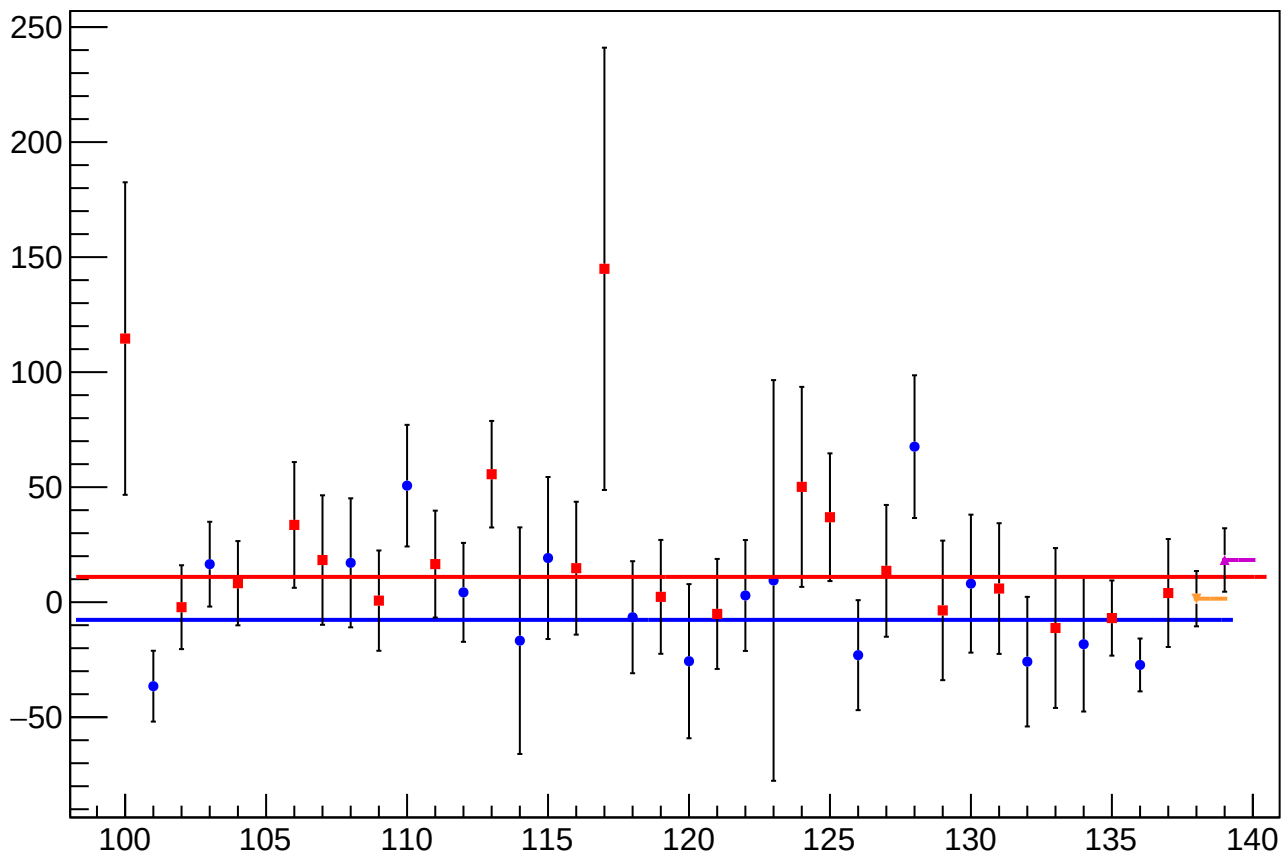
Left In: 272.154 $\pm$ 0.227 χ^2 /NDF: 0.0/0

1.708 $\pm$ 0.001 χ^2 /NDF: 12362290.5/17

1.724 $\pm$ 0.001 χ^2 /NDF: 24601584.9/38

1.738 $\pm$ 0.001 χ^2 /NDF: 12239058.6/20

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683+/-5.627 χ^2/NDF : 22.4/16

Left Out: 1.524+/-12.020 χ^2/NDF : 0.0/0

Right Out: 10.992+/-5.672 χ^2/NDF : 13.8/19

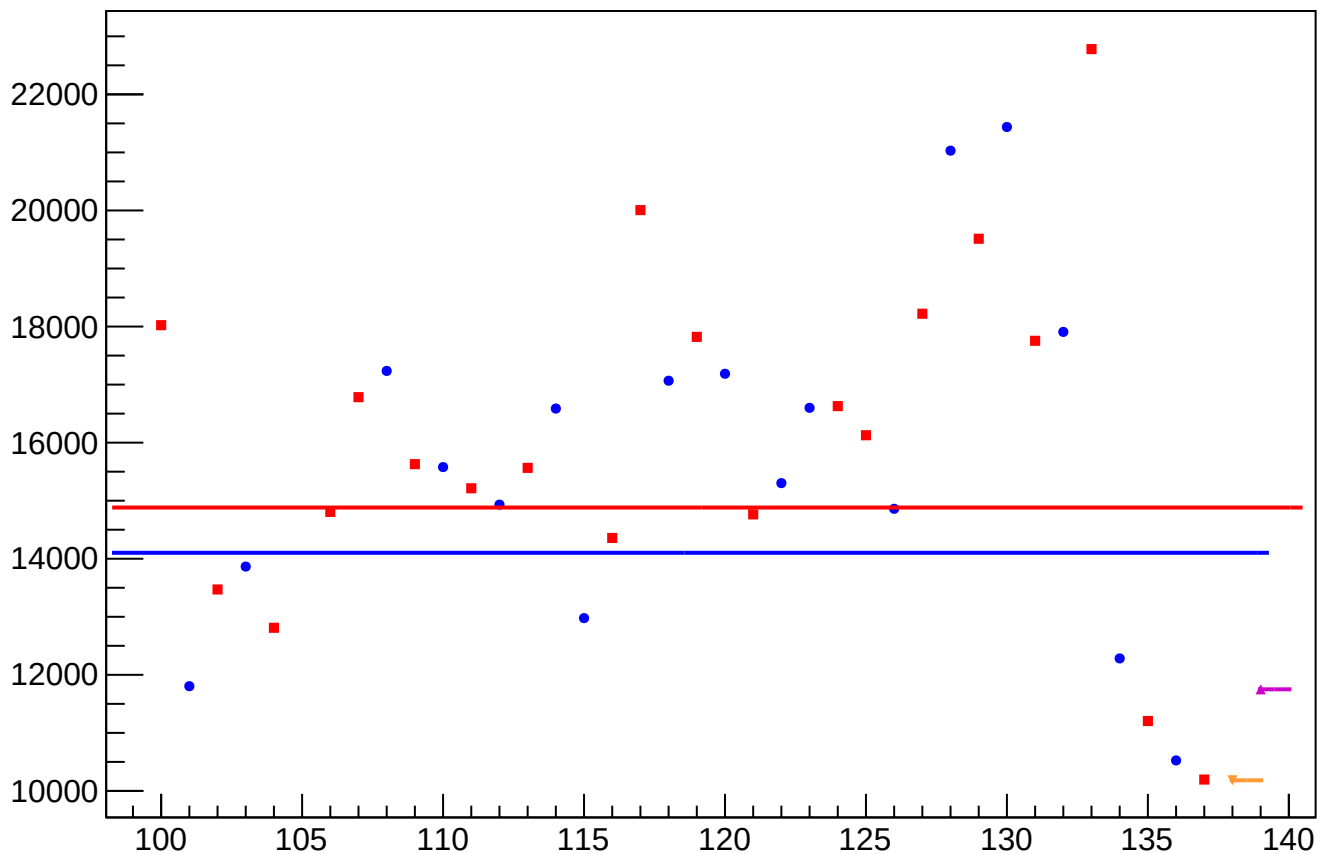
Left In: 18.344+/-13.797 χ^2/NDF : 0.0/0

-6.028+/-5.096 χ^2/NDF : 22.8/17

2.752+/-3.656 χ^2/NDF : 43.0/38

12.055+/-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: 10182.951+/-8.499 χ^2/NDF : 0.0/0

Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

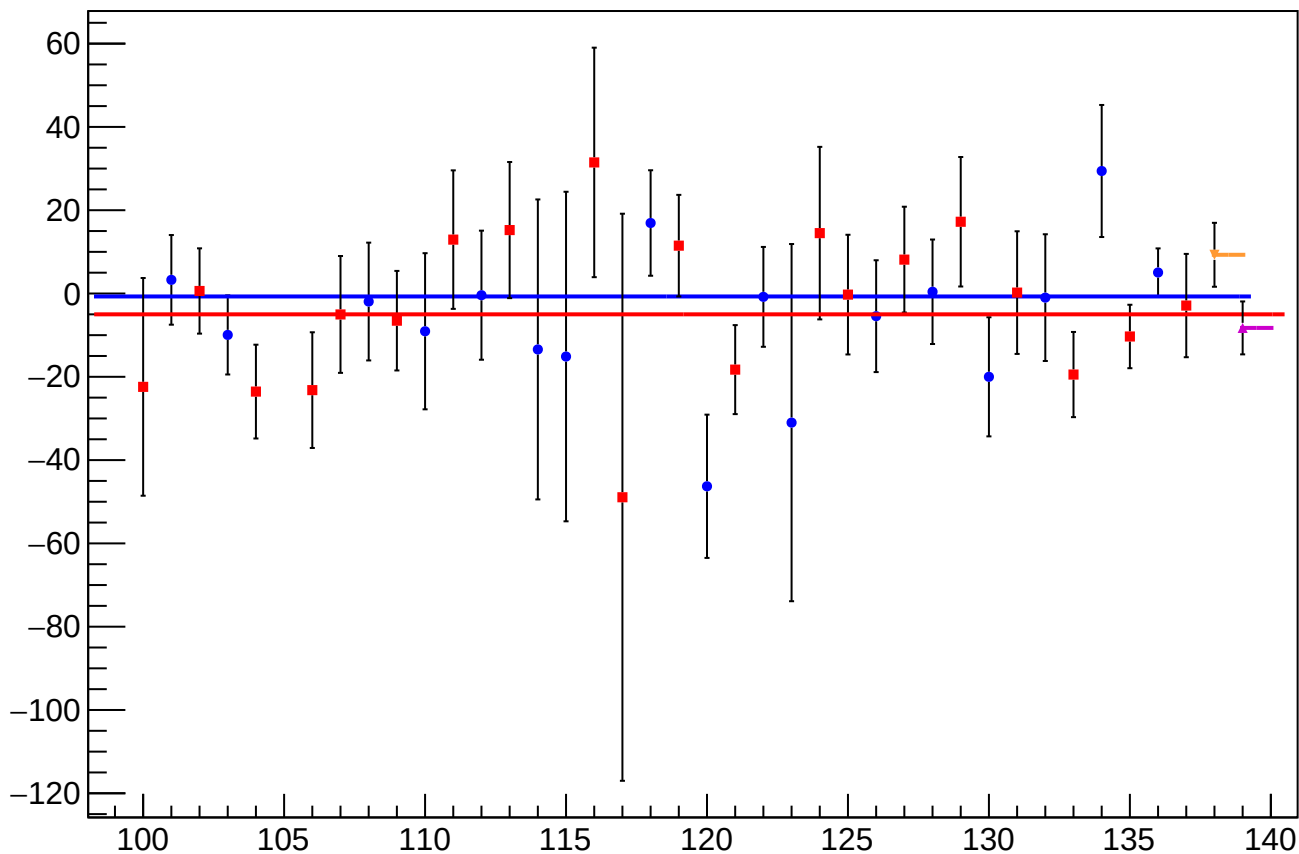
Left In: 11750.370+/-9.756 χ^2/NDF : 0.0/0

13397.907+/-3.604 χ^2/NDF : 773370.0/17

13898.638+/-2.585 χ^2/NDF : 1377265.2/3

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: 9.297 $\pm$ 7.674 χ^2 /NDF: 0.0/0

Right Out: -5.000 $\pm$ 2.937 χ^2 /NDF: 20.2/19

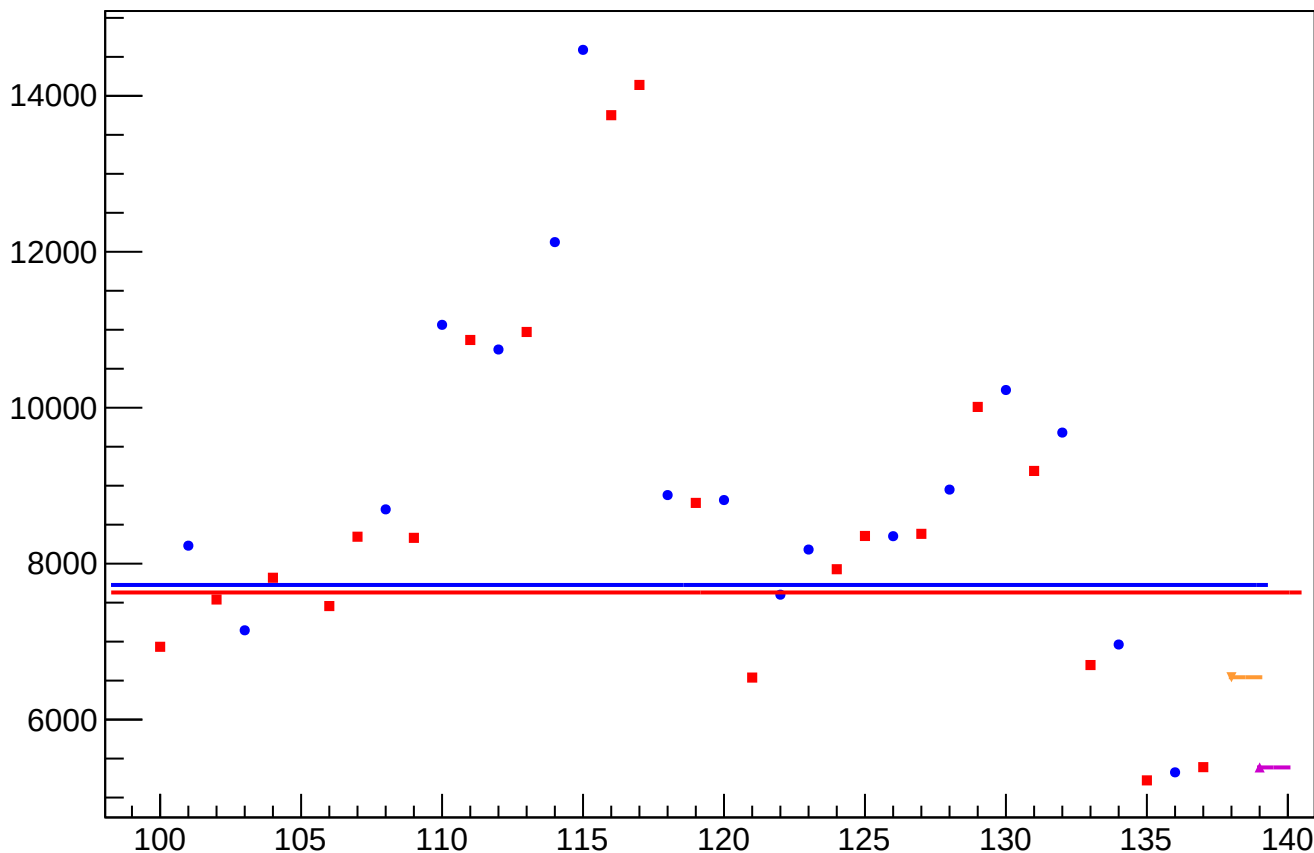
Left In: -8.260 $\pm$ 6.355 χ^2 /NDF: 0.0/0

0.683 $\pm$ 2.861 χ^2 /NDF: 19.0/17

-2.666 $\pm$ 1.950 χ^2 /NDF: 42.0/38

-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: 6543.070 $\pm$ 5.427 χ^2 /NDF: 0.0/0

Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

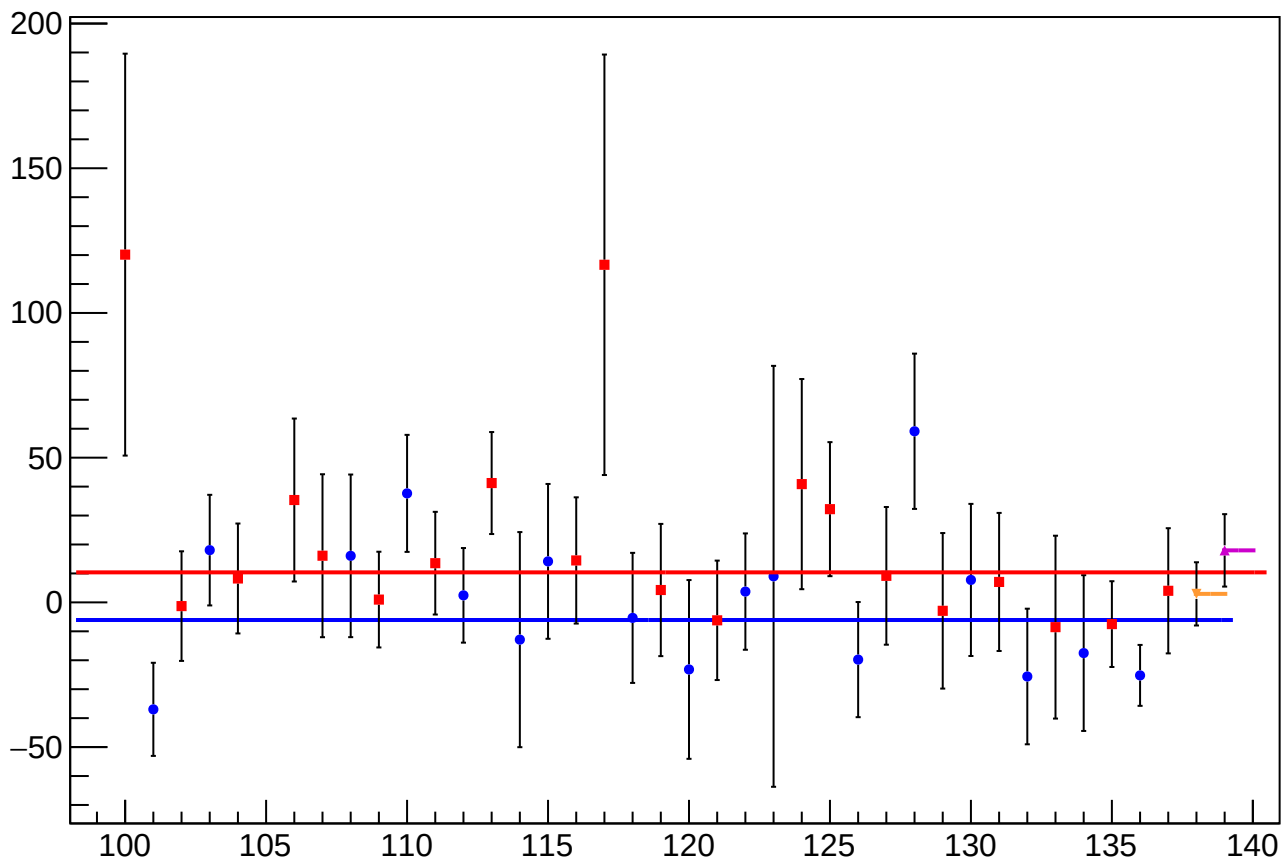
Left In: 5386.431 $\pm$ 4.493 χ^2 /NDF: 0.0/0

7562.211 $\pm$ 2.023 χ^2 /NDF: 783479.1/17

7387.281 $\pm$ 1.379 χ^2 /NDF: 1696383.4/38

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: 2.936 ± 10.924 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 10.369 ± 4.992 $\chi^2/\text{NDF}: 13.8/19$

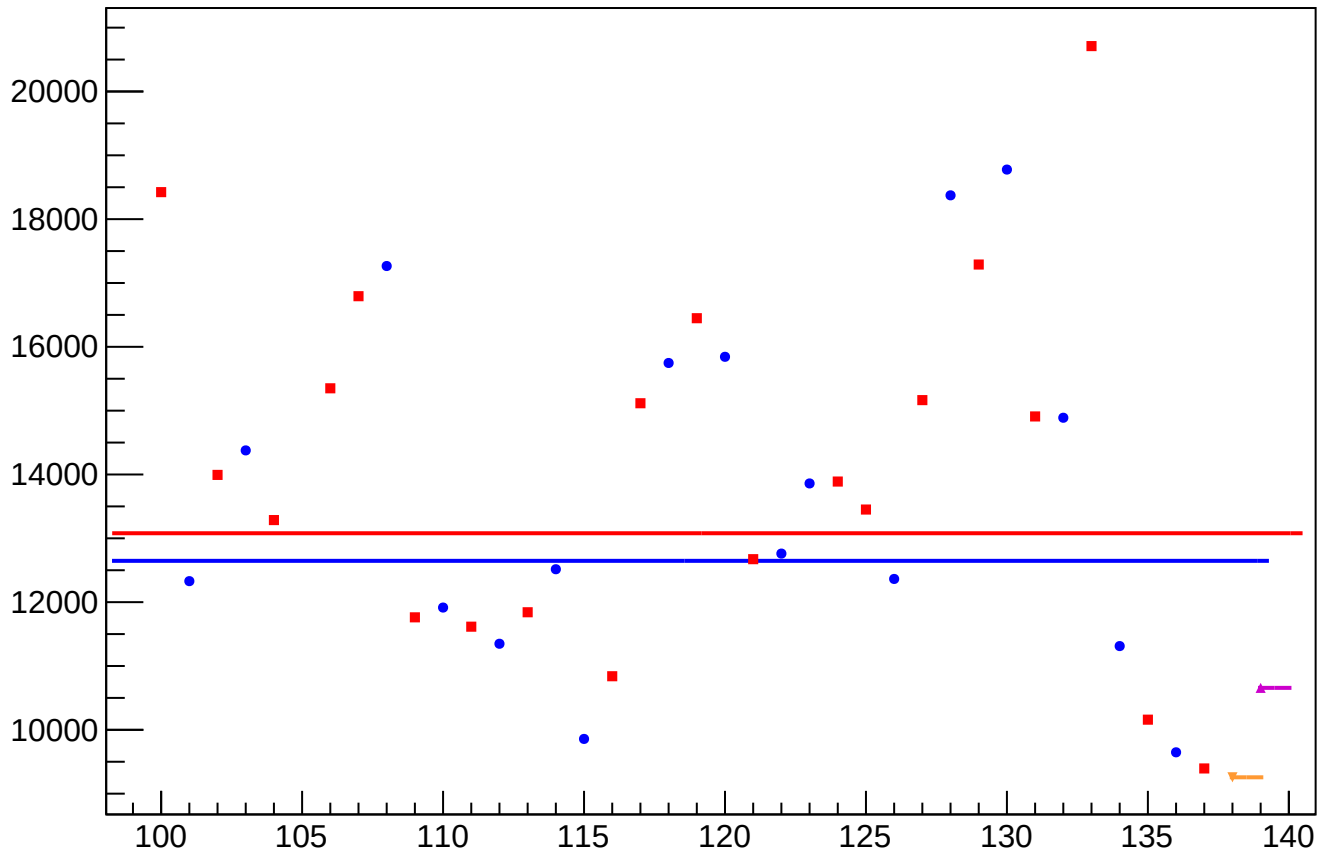
Left In: 17.969 ± 12.514 $\chi^2/\text{NDF}: 0.0/0$

-4.510 ± 4.572 $\chi^2/\text{NDF}: 23.5/17$

3.339 ± 3.255 $\chi^2/\text{NDF}: 43.6/38$

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: 9256.228+/-7.724 χ^2/NDF : 0.0/0

Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

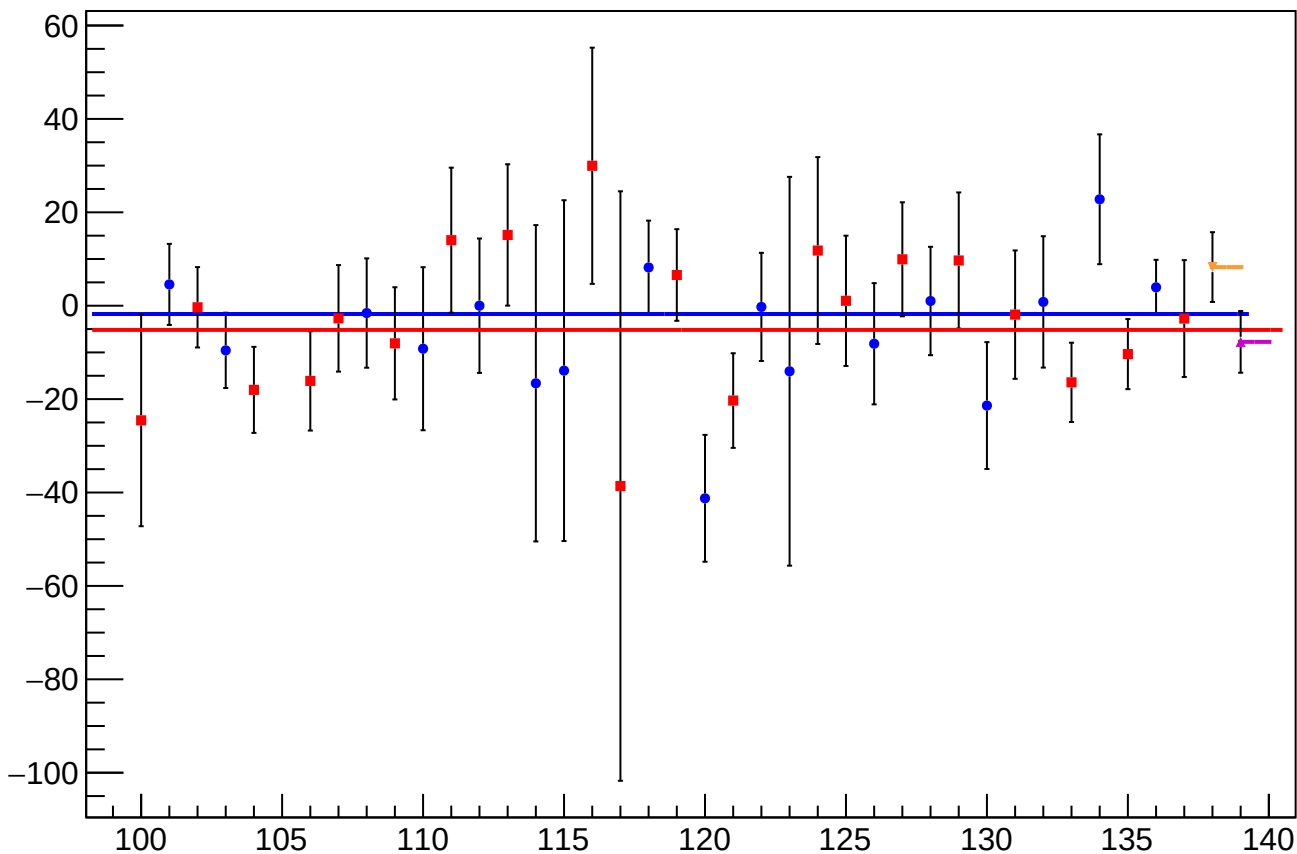
Left In: 10657.285+/-8.848 χ^2/NDF : 0.0/0

12053.306+/-3.233 χ^2/NDF : 713299.0/17

12395.303+/-2.302 χ^2/NDF : 1298508.7/3

12747.060+/-3.278 χ^2/NDF : 562505.2/20

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 8.274 ± 7.472 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -5.181 ± 2.640 $\chi^2/\text{NDF}: 19.2/19$

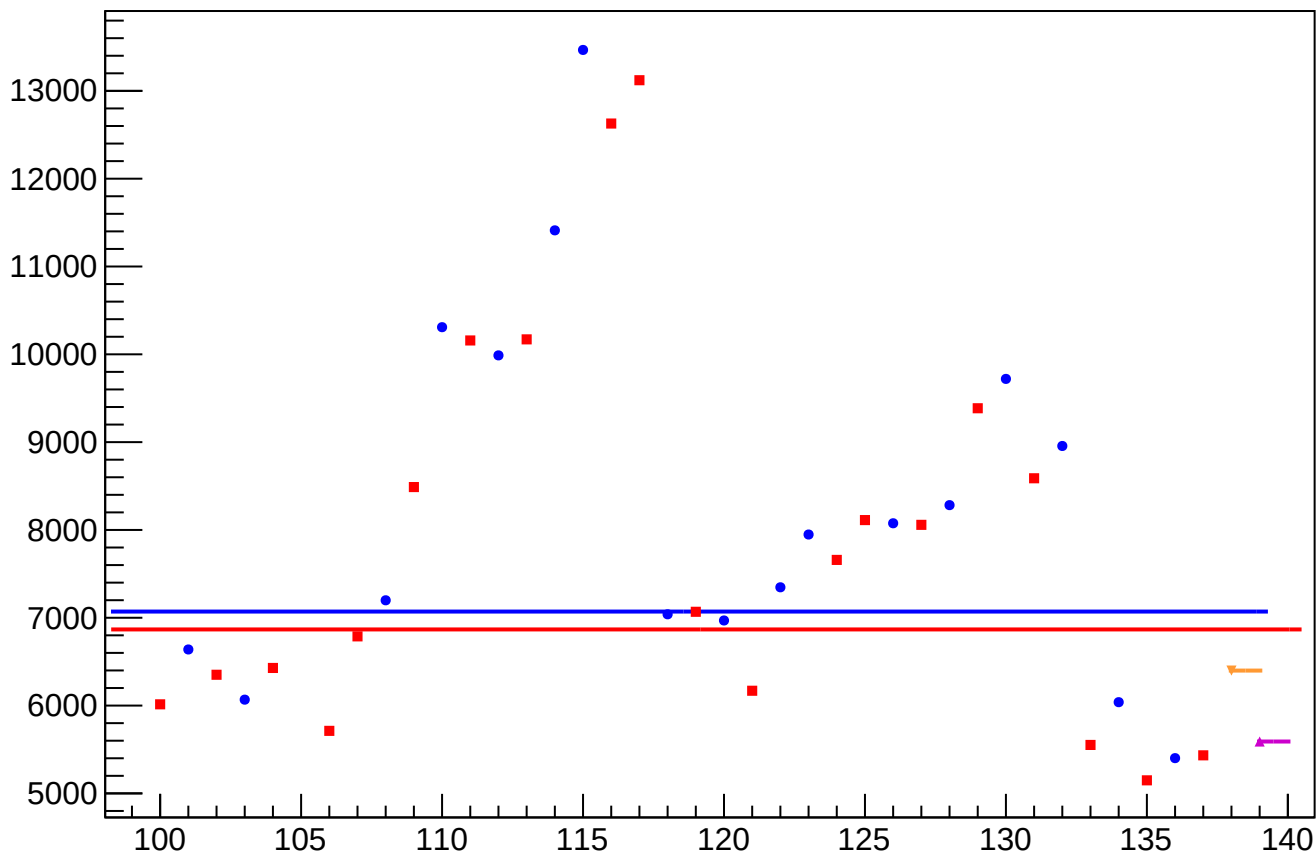
Left In: -7.741 ± 6.605 $\chi^2/\text{NDF}: 0.0/0$

-0.535 ± 2.627 $\chi^2/\text{NDF}: 19.6/17$

-3.207 ± 1.792 $\chi^2/\text{NDF}: 40.8/38$

-5.533 ± 2.451 $\chi^2/\text{NDF}: 19.3/20$

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672+/-1.984 χ^2/NDF : 601692.5/16

Left Out: 6398.606+/-5.283 χ^2/NDF : 0.0/0

Right Out: 6867.094+/-1.866 χ^2/NDF : 701892.5/19

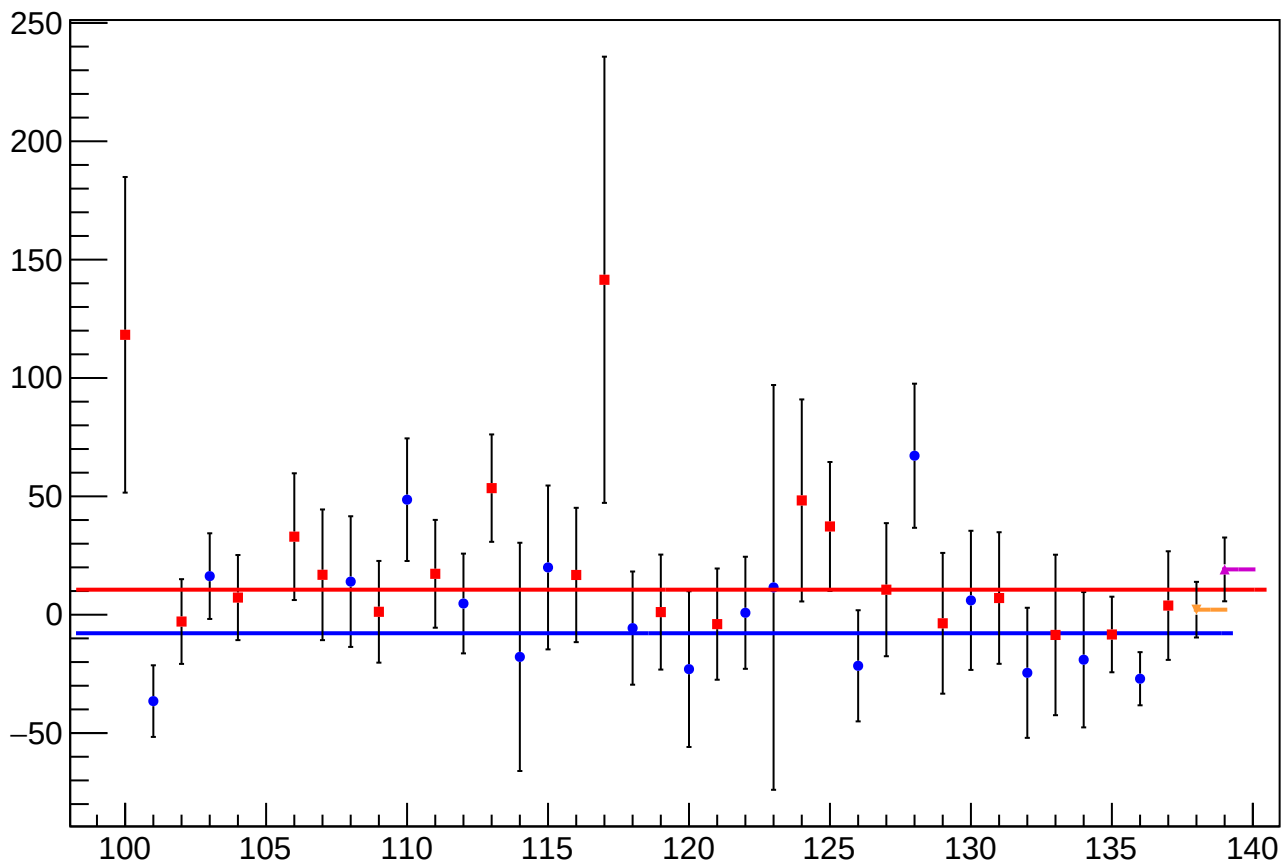
Left In: 5590.706+/-4.670 χ^2/NDF : 0.0/0

6987.600+/-1.857 χ^2/NDF : 615874.1/17

6829.212+/-1.267 χ^2/NDF : 1395773.6/38

6691.311+/-1.733 χ^2/NDF : 766297.8/20

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 $\pm$ 5.516 χ^2 /NDF: 22.3/16

Left Out: 2.128 $\pm$ 11.749 χ^2 /NDF: 0.0/0

Right Out: 10.574 $\pm$ 5.561 χ^2 /NDF: 14.1/19

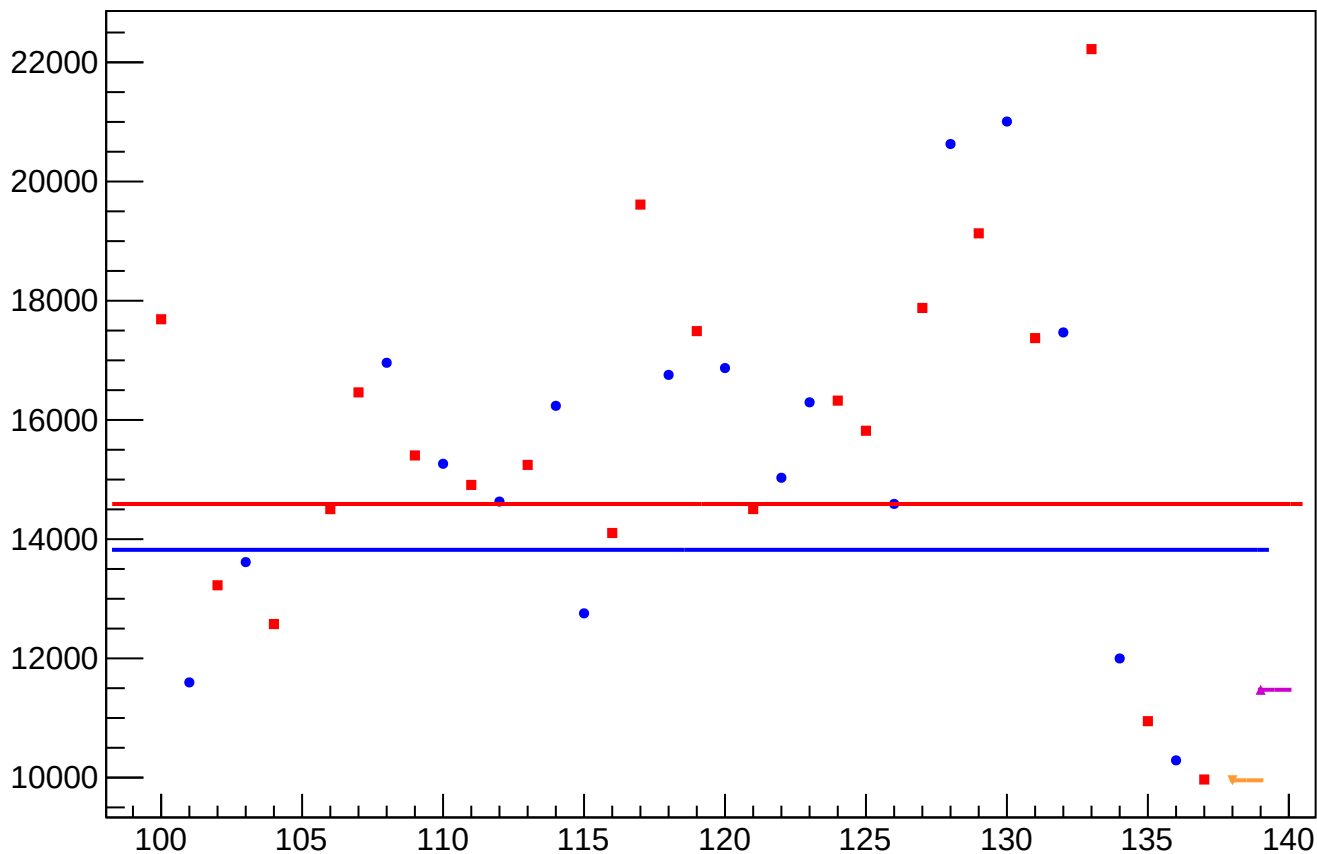
Left In: 19.143 $\pm$ 13.472 χ^2 /NDF: 0.0/0

-6.028 $\pm$ 4.993 χ^2 /NDF: 22.9/17

2.637 $\pm$ 3.582 χ^2 /NDF: 43.5/38

11.822 $\pm$ 5.141 χ^2 /NDF: 14.5/20

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9954.626+/-8.308 χ^2/NDF : 0.0/0

Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

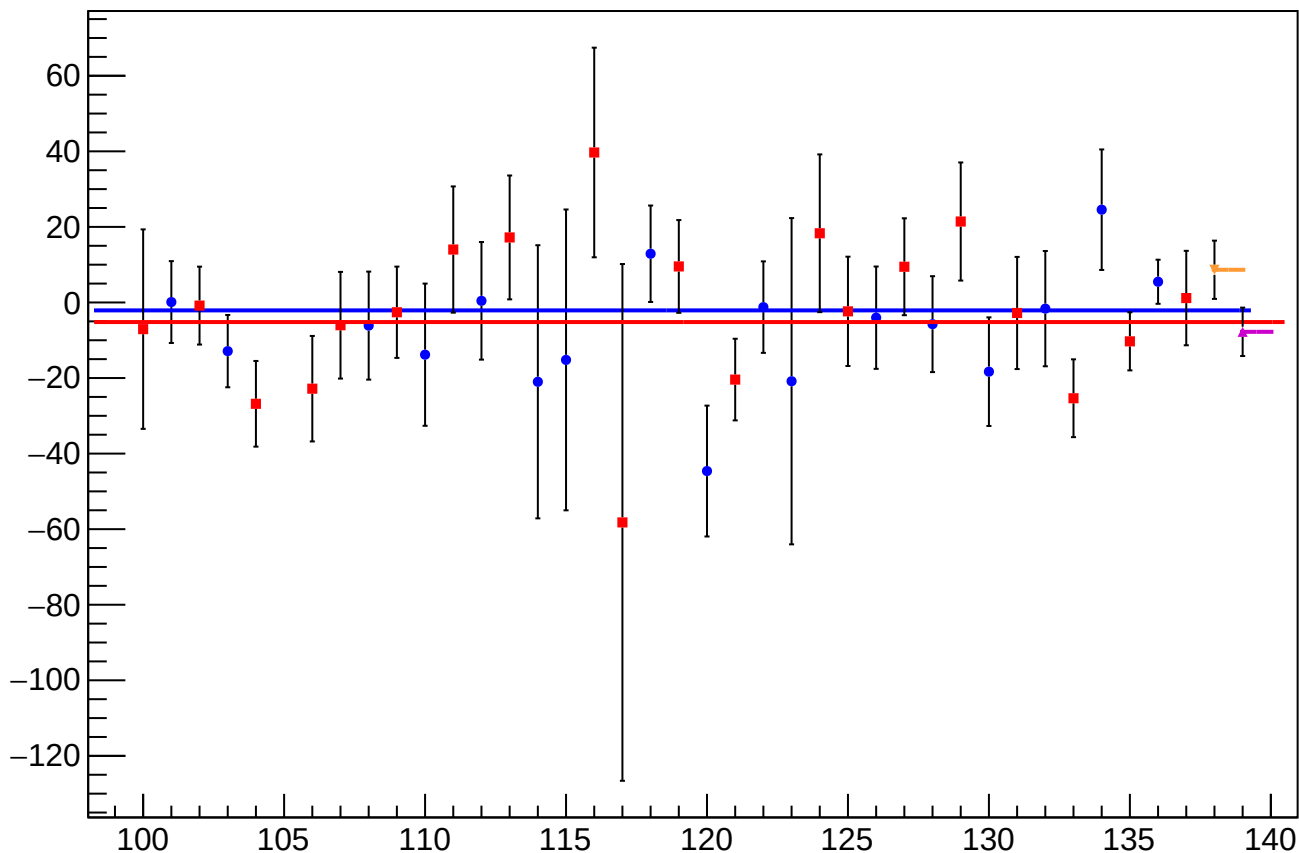
Left In: 11473.497+/-9.526 χ^2/NDF : 0.0/0

13122.925+/-3.531 χ^2/NDF : 780160.5/17

13614.796+/-2.533 χ^2/NDF : 1389762.1/3

14136.201+/-3.635 χ^2/NDF : 569616.6/20

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098+/-3.106 χ^2/NDF : 15.6/16

Left Out: 8.655+/-7.707 χ^2/NDF : 0.0/0

Right Out: -5.184+/-2.959 χ^2/NDF : 25.4/19

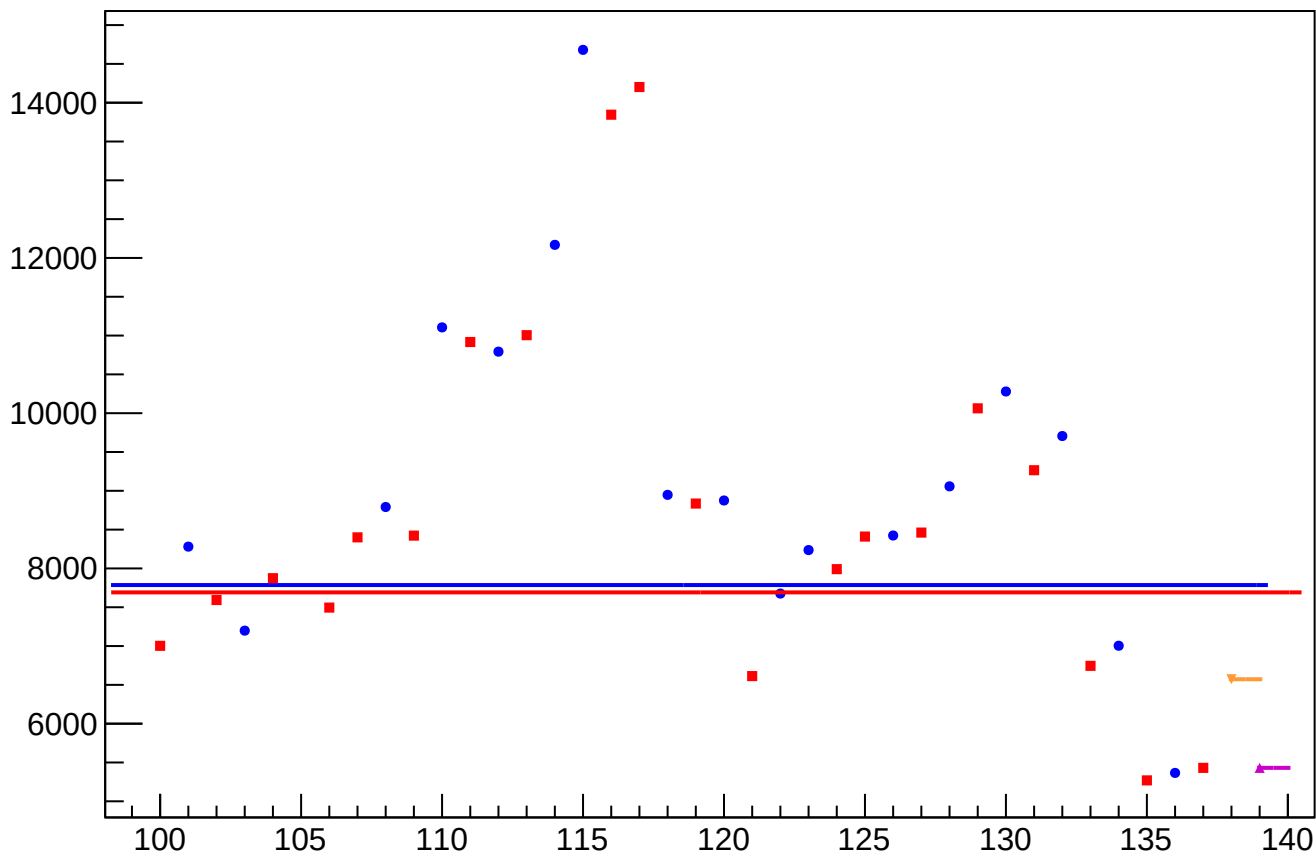
Left In: -7.771+/-6.405 χ^2/NDF : 0.0/0

-0.595+/-2.881 χ^2/NDF : 17.3/17

-3.293+/-1.965 χ^2/NDF : 44.5/38

-5.639+/-2.687 χ^2/NDF : 25.5/20

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 6572.197+/-5.450 χ^2/NDF : 0.0/0

Right Out: 7691.398+/-2.093 χ^2/NDF : 686898.9/19

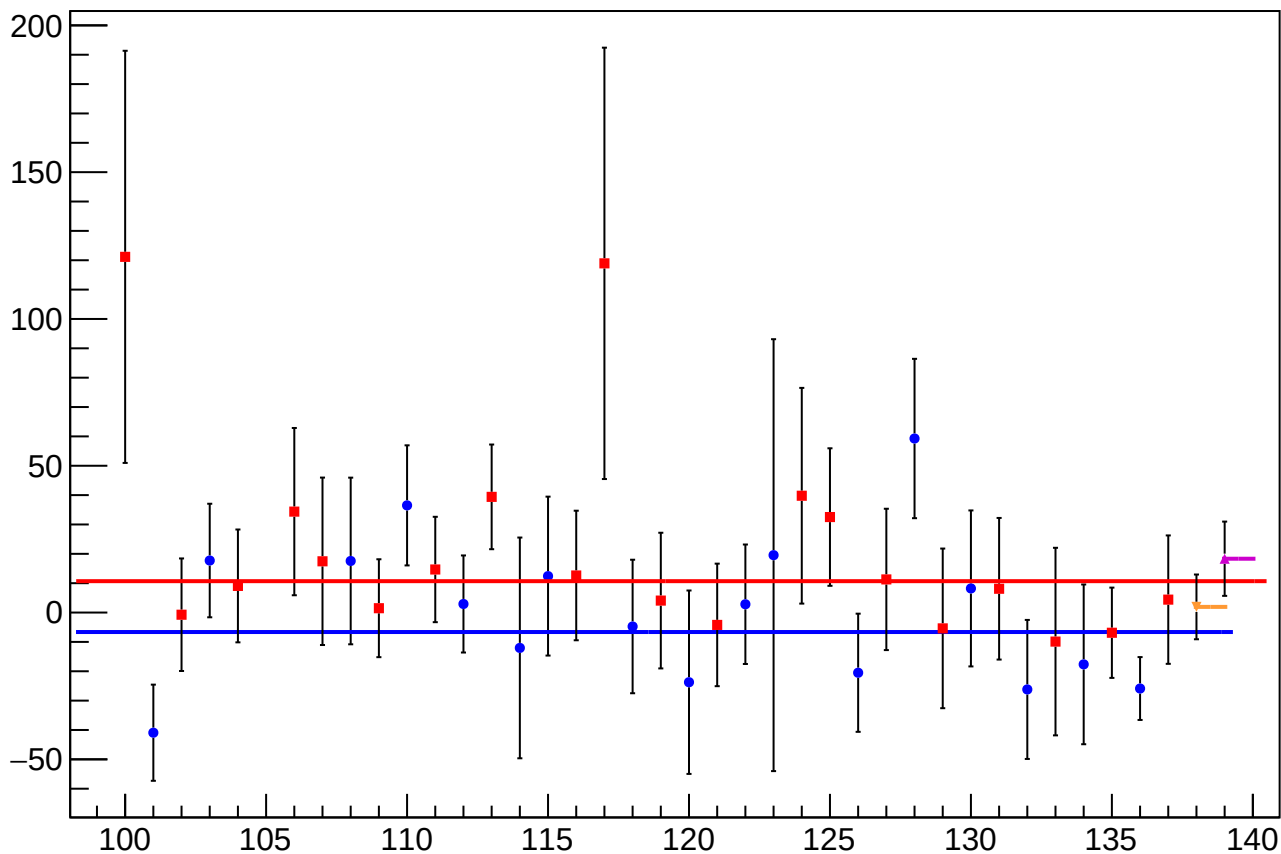
Left In: 5430.845+/-4.529 χ^2/NDF : 0.0/0

7616.313+/-2.037 χ^2/NDF : 780768.5/17

7443.740+/-1.389 χ^2/NDF : 1686374.7/38

7293.705+/-1.900 χ^2/NDF : 892193.3/20

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: 1.927 ± 11.028 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 10.688 ± 5.063 $\chi^2/\text{NDF}: 13.0/19$

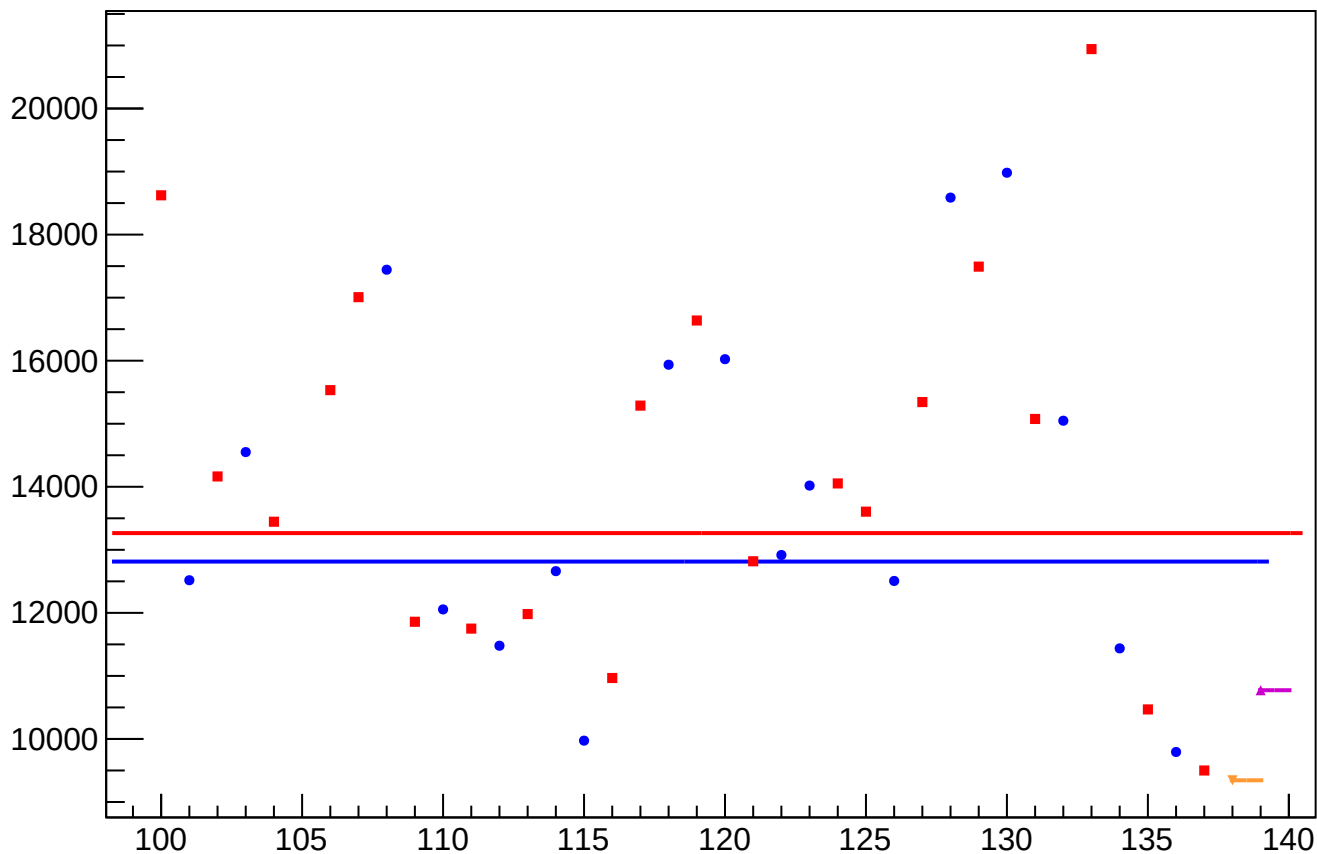
Left In: 18.332 ± 12.649 $\chi^2/\text{NDF}: 0.0/0$

-5.125 ± 4.630 $\chi^2/\text{NDF}: 23.9/17$

3.182 ± 3.298 $\chi^2/\text{NDF}: 43.7/38$

11.744 ± 4.700 $\chi^2/\text{NDF}: 13.3/20$

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 9344.068+/-7.798 χ^2/NDF : 0.0/0

Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

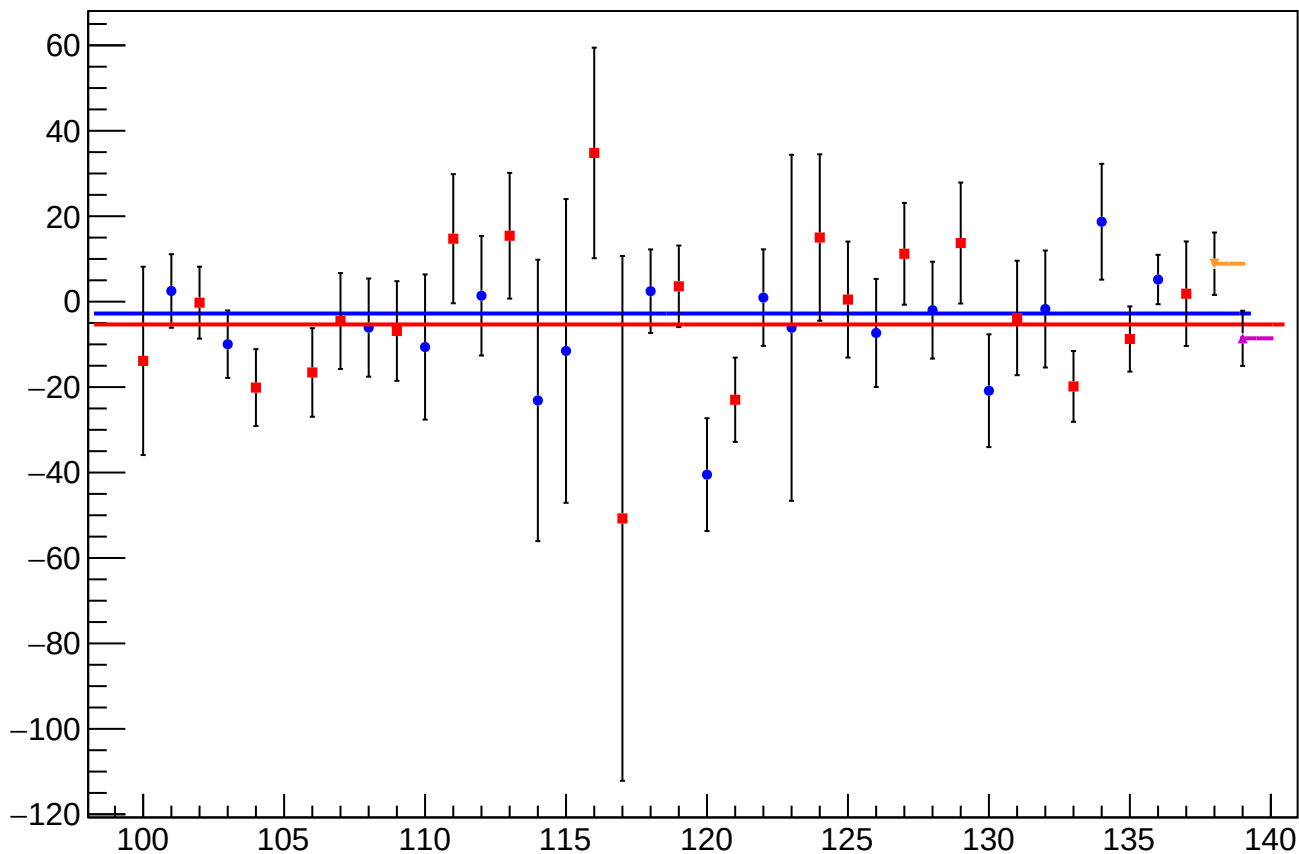
Left In: 10772.908+/-8.944 χ^2/NDF : 0.0/0

12202.114+/-3.274 χ^2/NDF : 711217.0/17

12556.176+/-2.332 χ^2/NDF : 1287697.9/3

12921.070+/-3.324 χ^2/NDF : 552731.1/20

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778+/-2.747 χ^2/NDF : 17.0/16

Left Out: 8.886+/-7.303 χ^2/NDF : 0.0/0

Right Out: -5.332+/-2.587 χ^2/NDF : 24.1/19

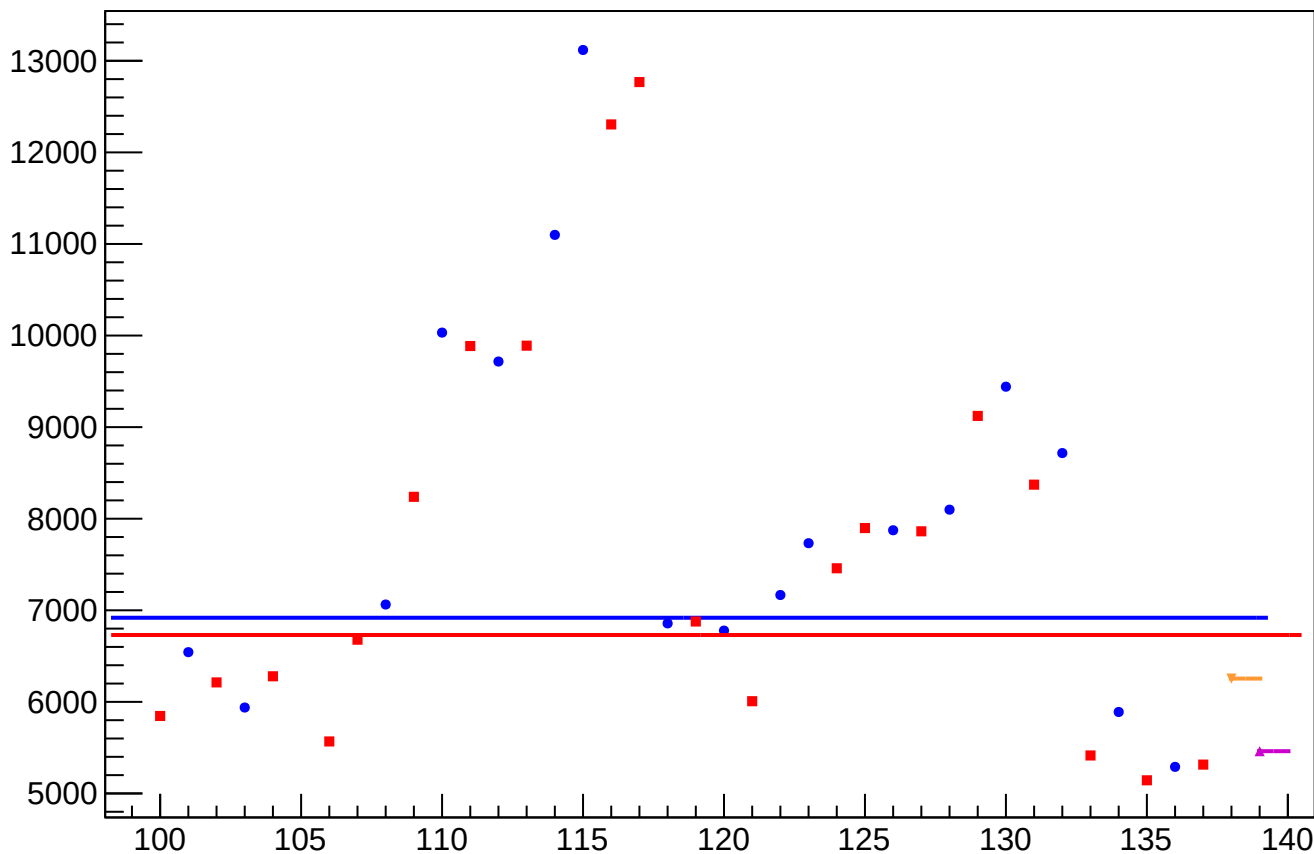
Left In: -8.581+/-6.453 χ^2/NDF : 0.0/0

-1.333+/-2.571 χ^2/NDF : 19.2/17

-3.709+/-1.755 χ^2/NDF : 45.1/38

-5.782+/-2.401 χ^2/NDF : 24.3/20

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 ± 1.943 $\chi^2/\text{NDF}: 587976.6/16$

Left Out: 6254.397 ± 5.164 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 6730.137 ± 1.830 $\chi^2/\text{NDF}: 673193.1/19$

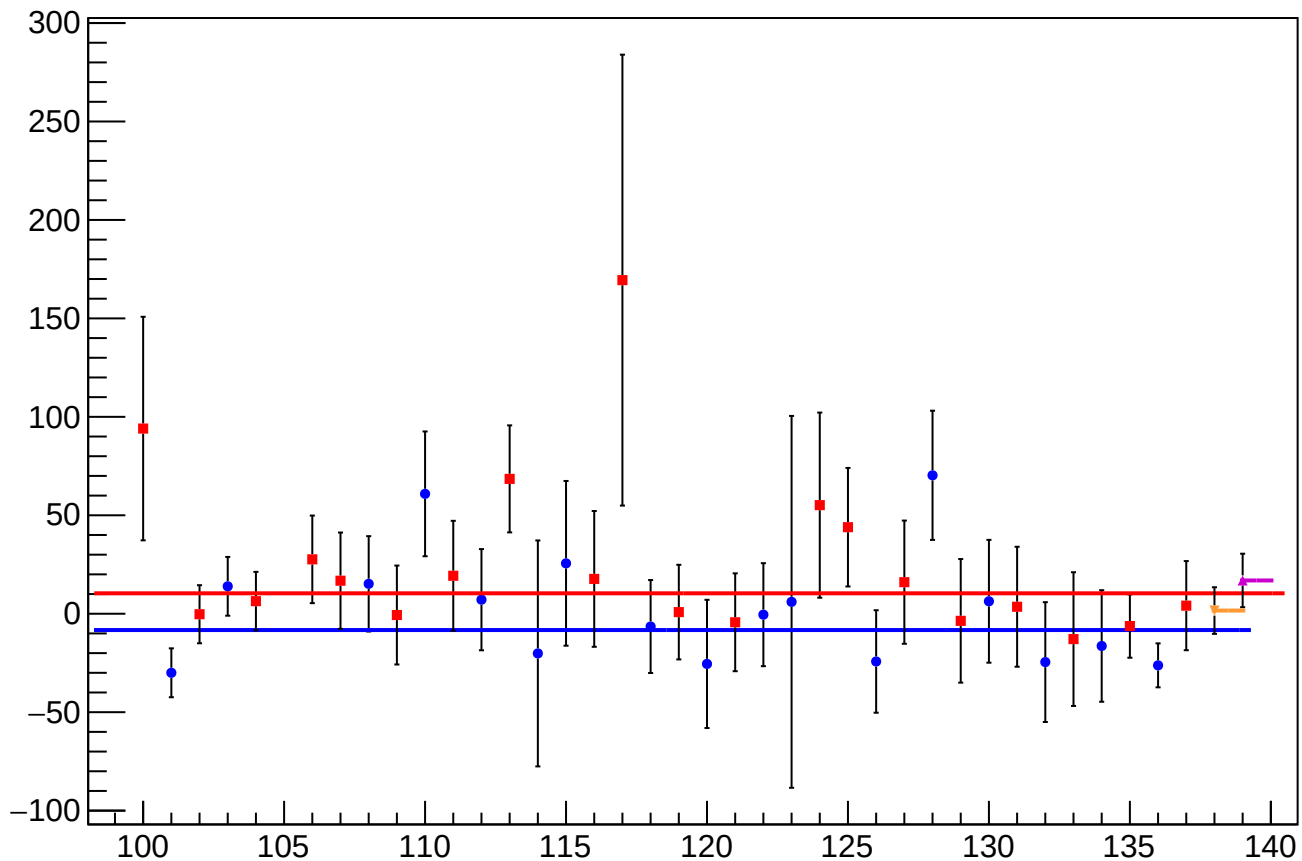
Left In: 5461.555 ± 4.563 $\chi^2/\text{NDF}: 0.0/0$

6836.232 ± 1.818 $\chi^2/\text{NDF}: 602466.3/17$

6685.722 ± 1.241 $\chi^2/\text{NDF}: 1355083.0/38$

6554.433 ± 1.698 $\chi^2/\text{NDF}: 739786.2/20$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 $\pm$ 5.410 χ^2/NDF : 21.7/16

Left Out: 1.620 $\pm$ 11.831 χ^2/NDF : 0.0/0

Right Out: 10.376 $\pm$ 5.507 χ^2/NDF : 14.8/19

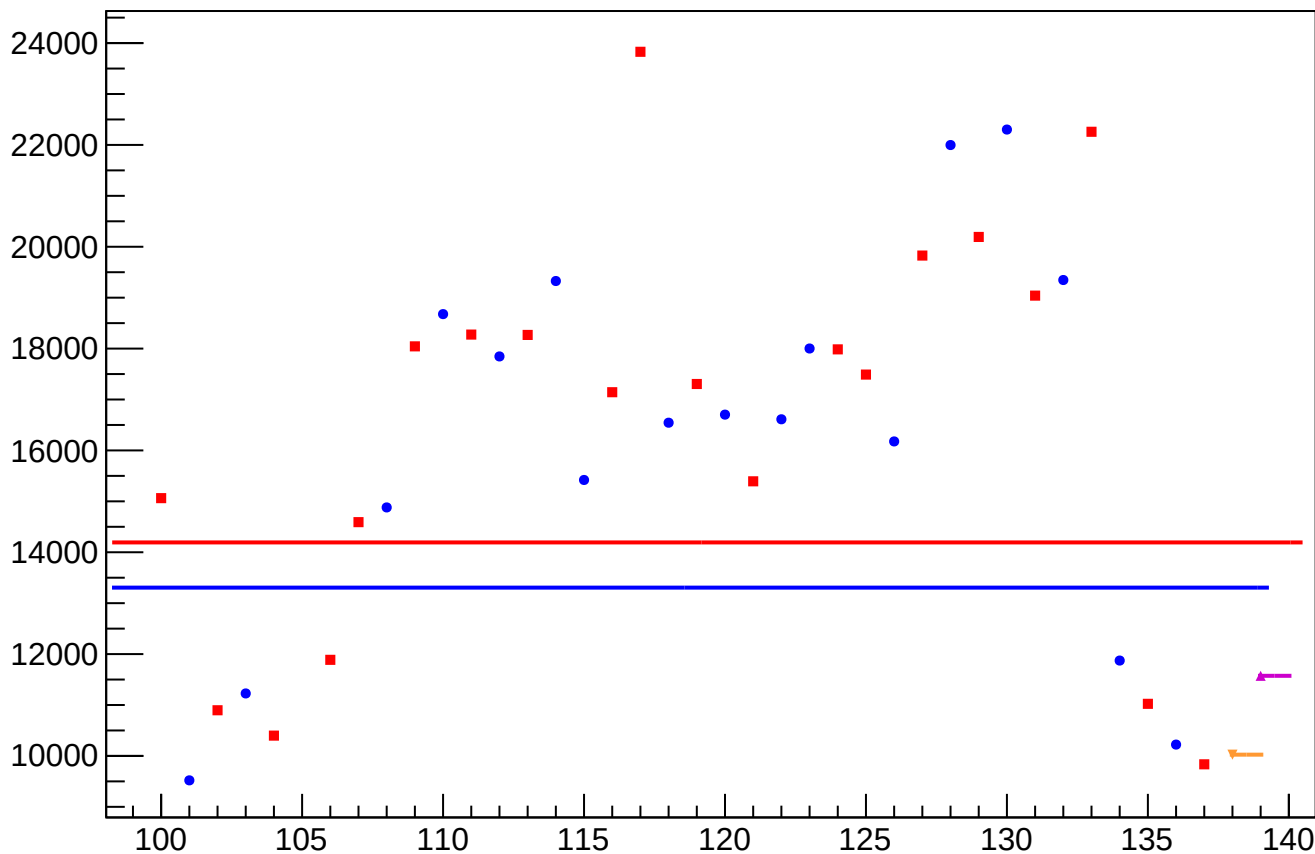
Left In: 16.901 $\pm$ 13.589 χ^2/NDF : 0.0/0

-6.573 $\pm$ 4.920 χ^2/NDF : 22.3/17

2.035 $\pm$ 3.542 χ^2/NDF : 43.7/38

11.296 $\pm$ 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: 10024.739+/-8.366 χ^2/NDF : 0.0/0

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

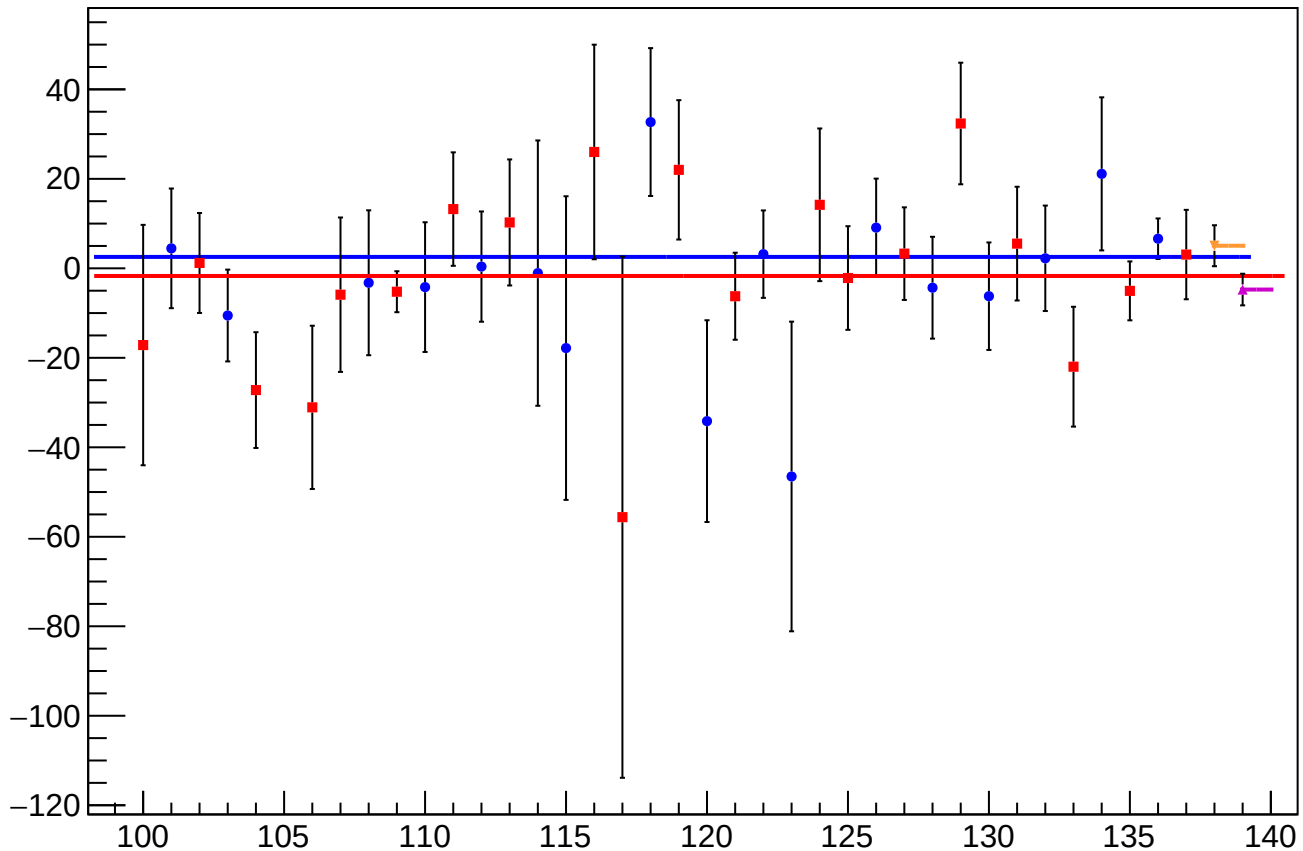
Left In: 11573.318+/-9.609 χ^2/NDF : 0.0/0

12738.054+/-3.479 χ^2/NDF : 1171274.9/17

13260.913+/-2.505 χ^2/NDF : 2226817.6/3

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: 5.050 $\pm$ 4.580 χ^2 /NDF: 0.0/0

Right Out: -1.708 $\pm$ 2.440 χ^2 /NDF: 24.9/19

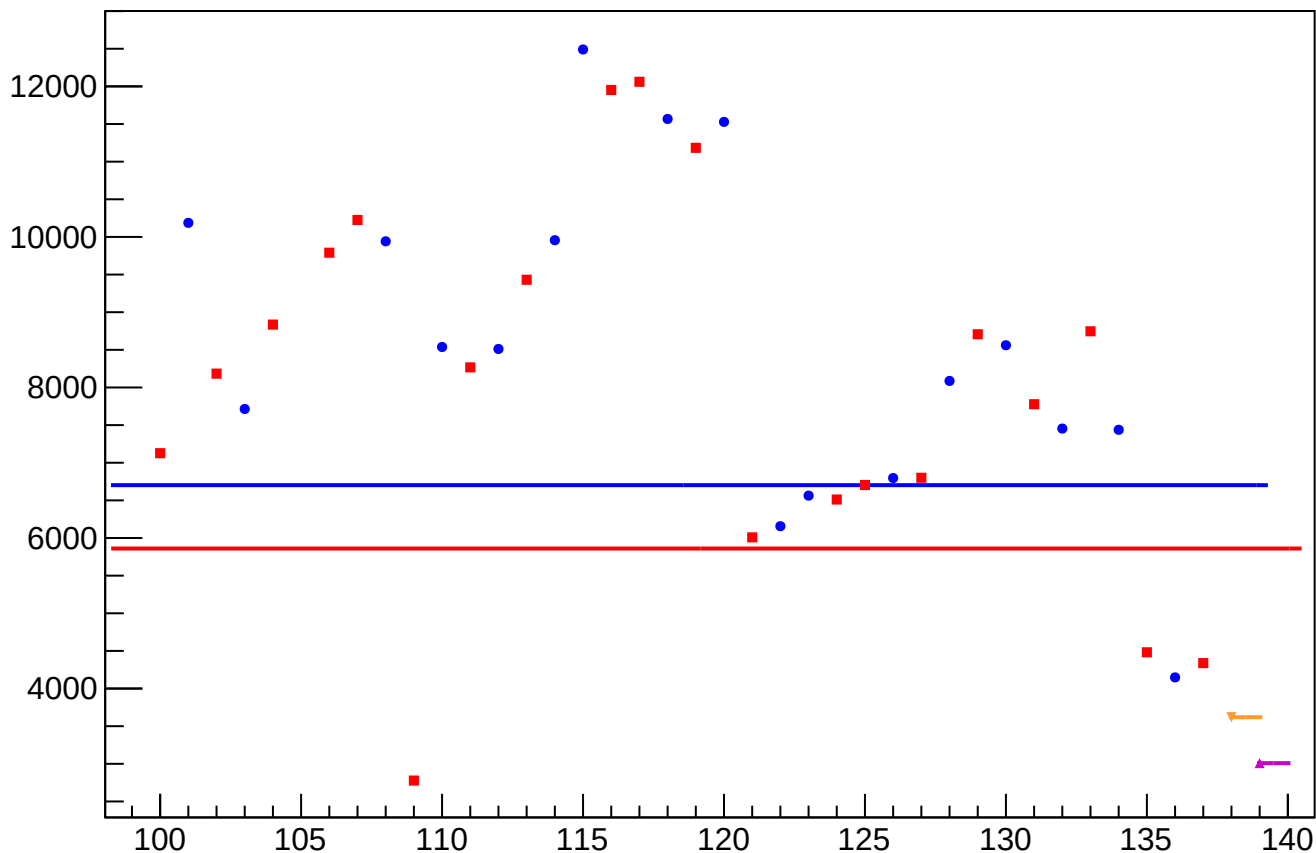
Left In: -4.743 $\pm$ 3.534 χ^2 /NDF: 0.0/0

3.216 $\pm$ 2.362 χ^2 /NDF: 13.9/17

-0.211 $\pm$ 1.530 χ^2 /NDF: 42.8/38

-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: 3619.430+/-3.238 χ^2/NDF : 0.0/0

Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

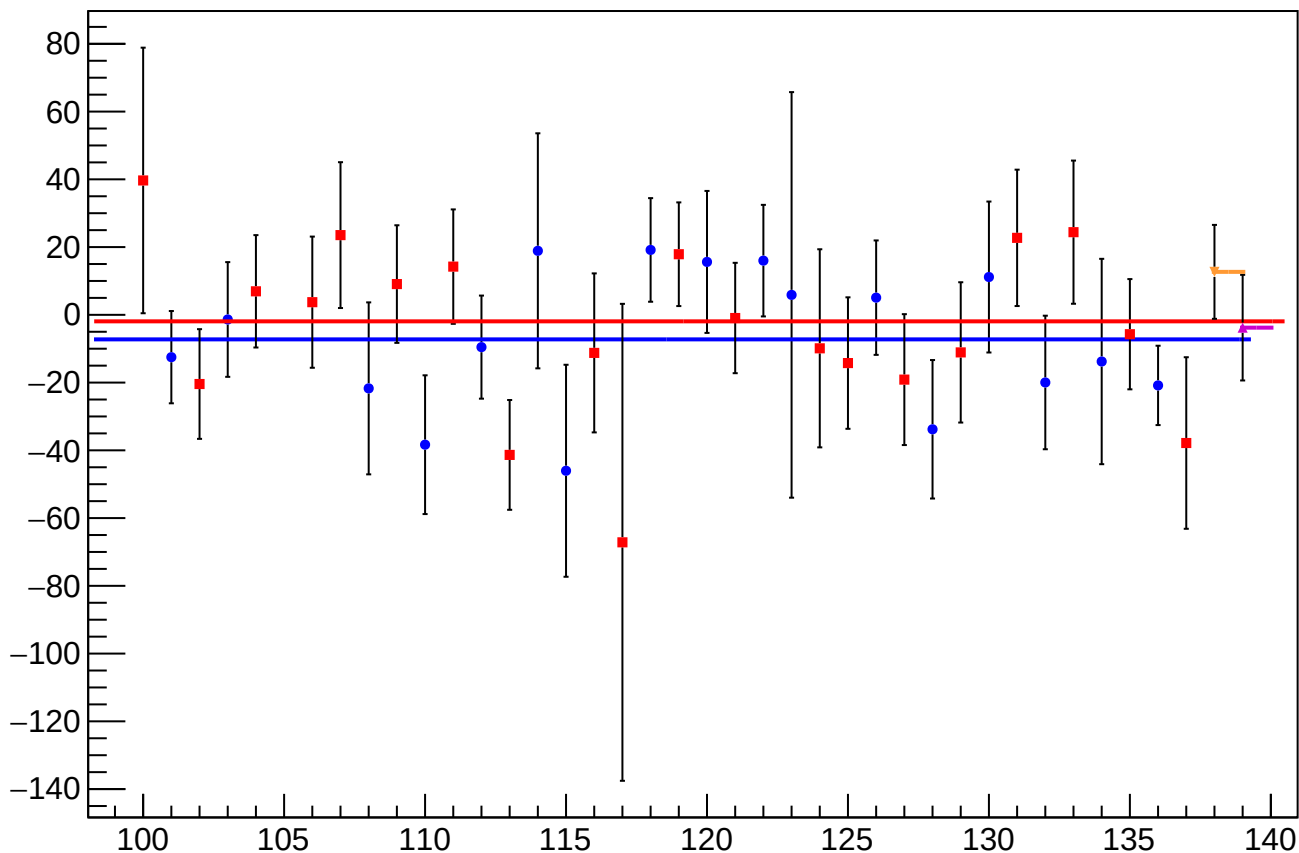
Left In: 3009.234+/-2.499 χ^2/NDF : 0.0/0

5882.285+/-1.670 χ^2/NDF : 2055171.3/17

5335.385+/-1.082 χ^2/NDF : 5422572.9/38

4940.077+/-1.420 χ^2/NDF : 3182659.2/20

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245+/-4.547 χ^2/NDF : 15.9/16

Left Out: 12.685+/-13.865 χ^2/NDF : 0.0/0

Right Out: -1.922+/-4.365 χ^2/NDF : 20.7/19

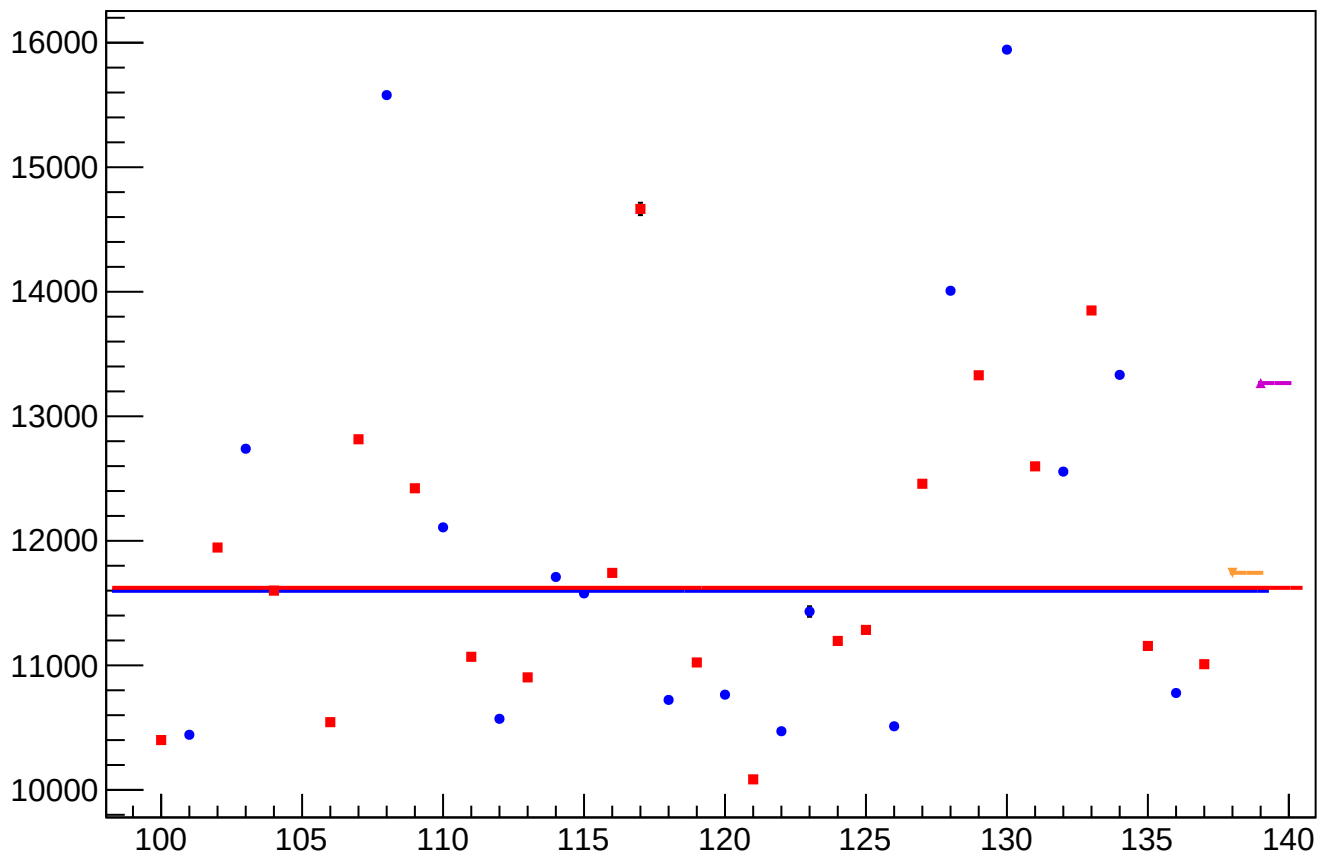
Left In: -3.785+/-15.592 χ^2/NDF : 0.0/0

-5.310+/-4.321 χ^2/NDF : 17.8/17

-3.639+/-3.013 χ^2/NDF : 38.8/38

-2.058+/-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: 11743.266+/-9.804 χ^2/NDF : 0.0/0

Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

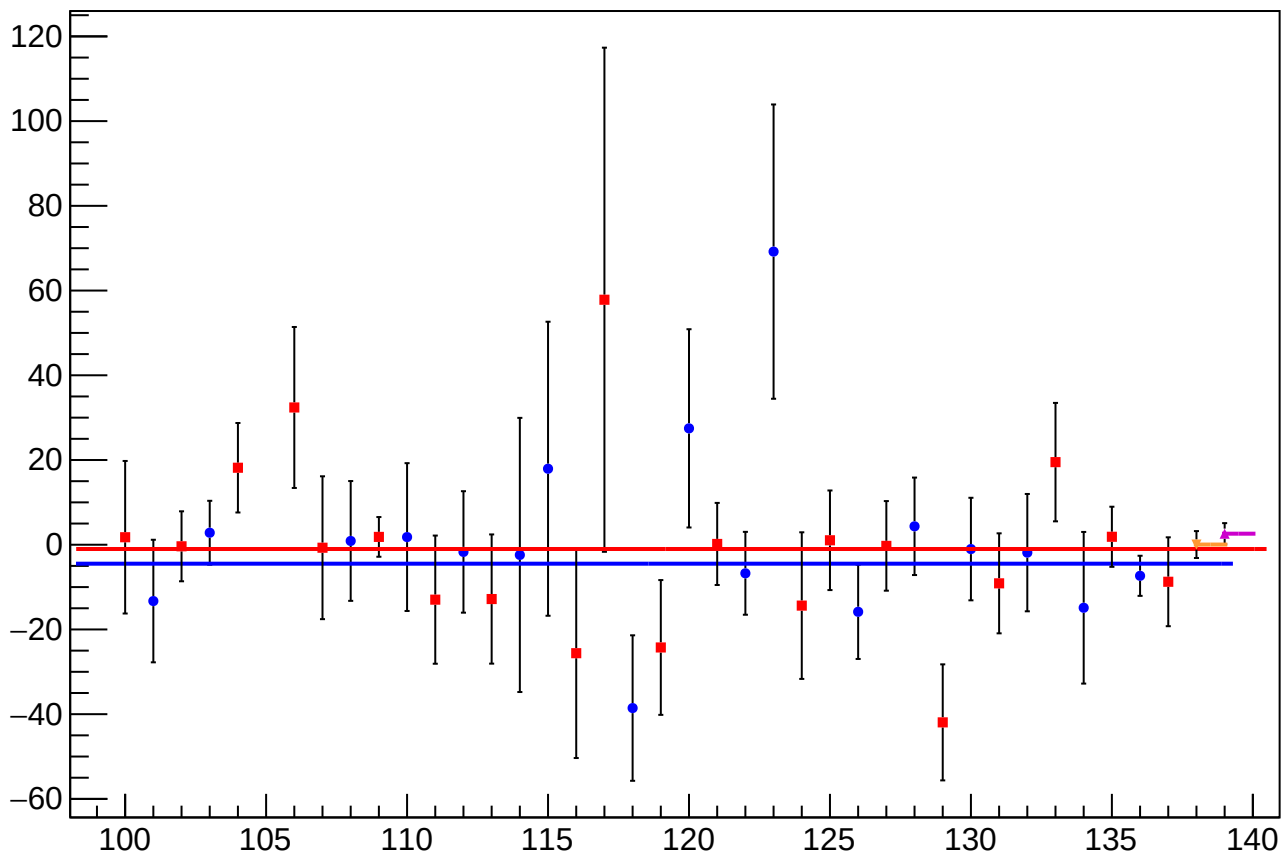
Left In: 13266.842+/-11.025 χ^2/NDF : 0.0/0

11612.785+/-3.055 χ^2/NDF : 235620.0/17

11679.249+/-2.130 χ^2/NDF : 355360.4/38

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: 0.042+/-3.177 χ^2/NDF : 0.0/0

Right Out: -1.007+/-2.427 χ^2/NDF : 25.0/19

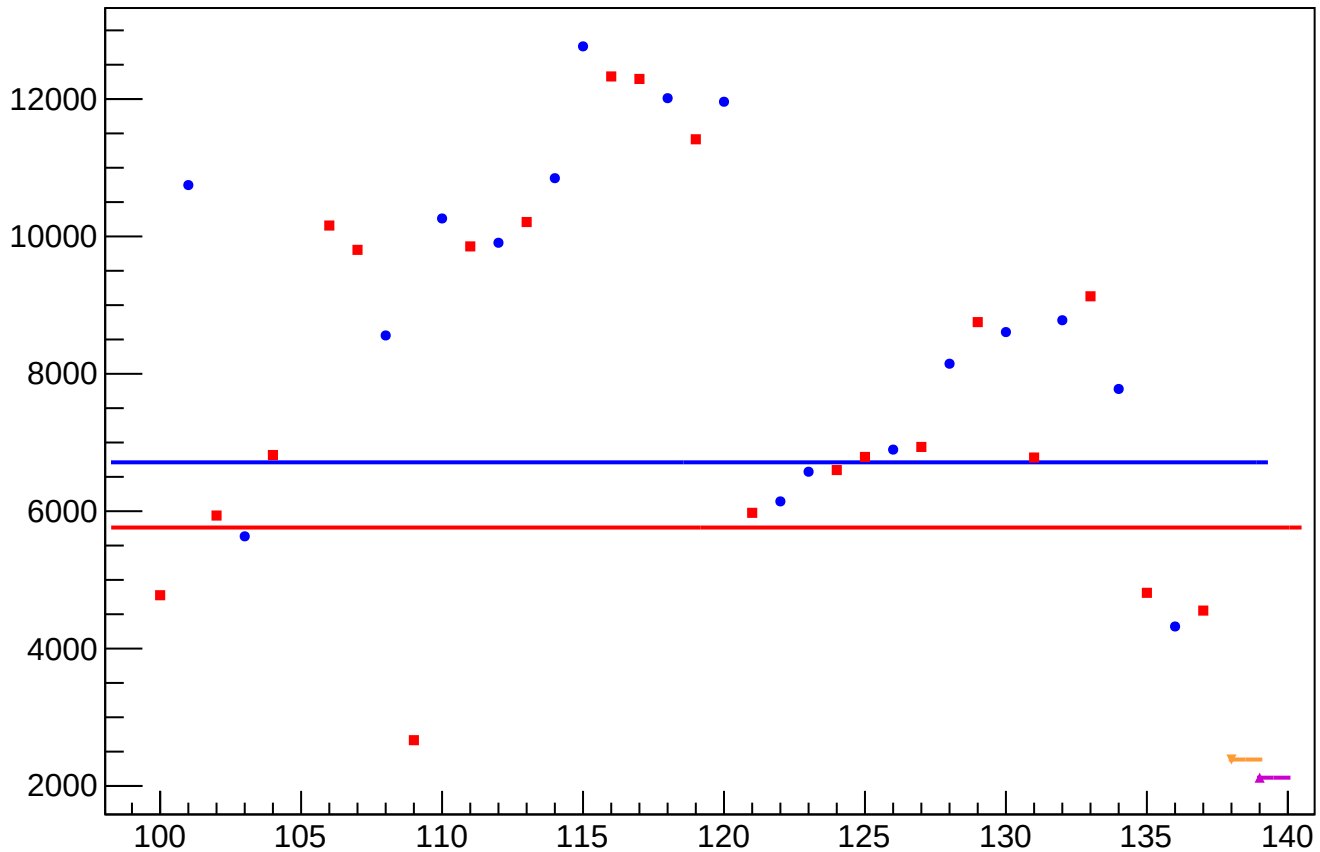
Left In: 2.606+/-2.491 χ^2/NDF : 0.0/0

-2.516+/-2.093 χ^2/NDF : 16.0/17

-0.581+/-1.337 χ^2/NDF : 43.5/38

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: 2384.865+/-2.247 χ^2/NDF : 0.0/0

Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

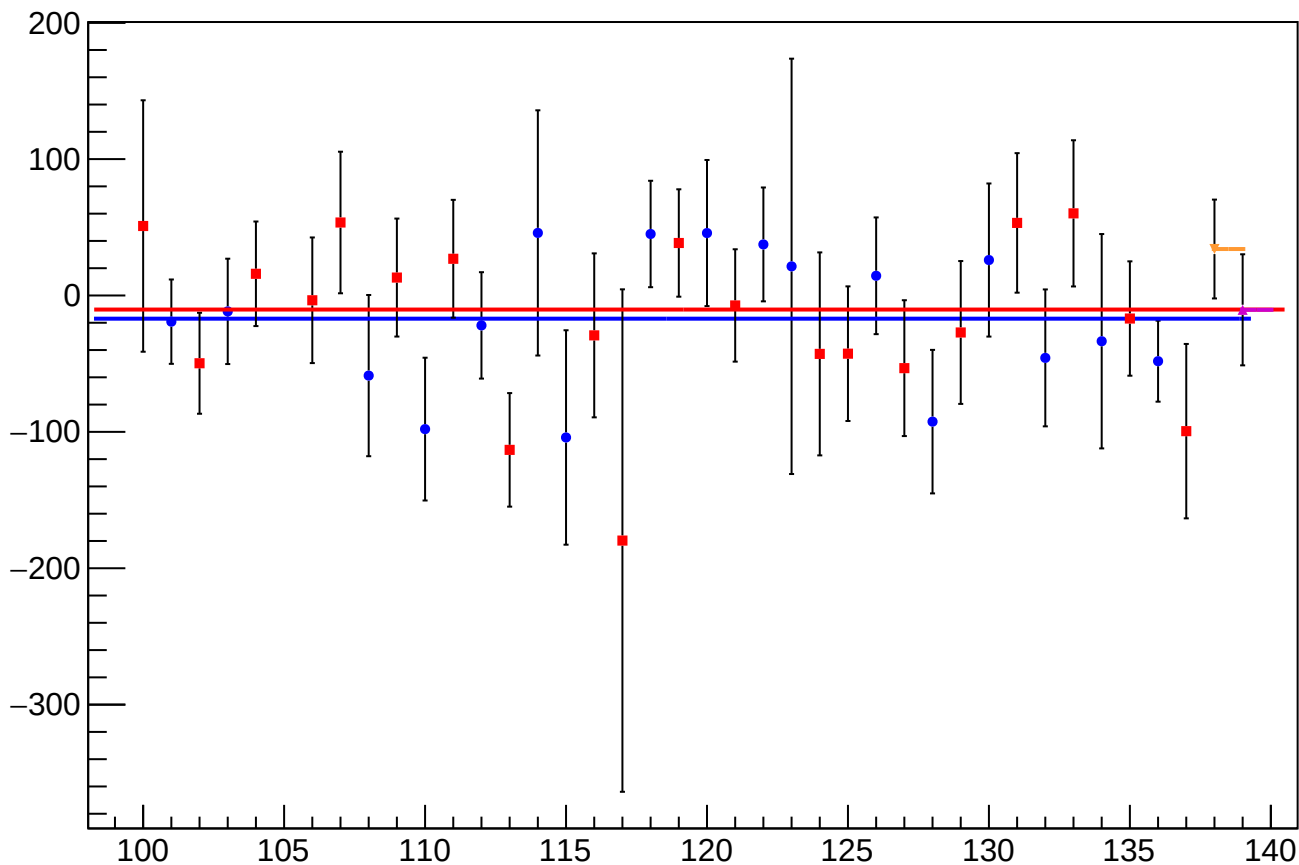
Left In: 2120.636+/-1.761 χ^2/NDF : 0.0/0

4834.282+/-1.480 χ^2/NDF : 3546362.8/17

4334.022+/-0.946 χ^2/NDF : 8121684.9/38

3988.937+/-1.229 χ^2/NDF : 4382243.7/20

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 34.062 ± 36.240 χ^2/NDF : 0.0/0

Right Out: -10.311 ± 10.872 χ^2/NDF : 19.9/19

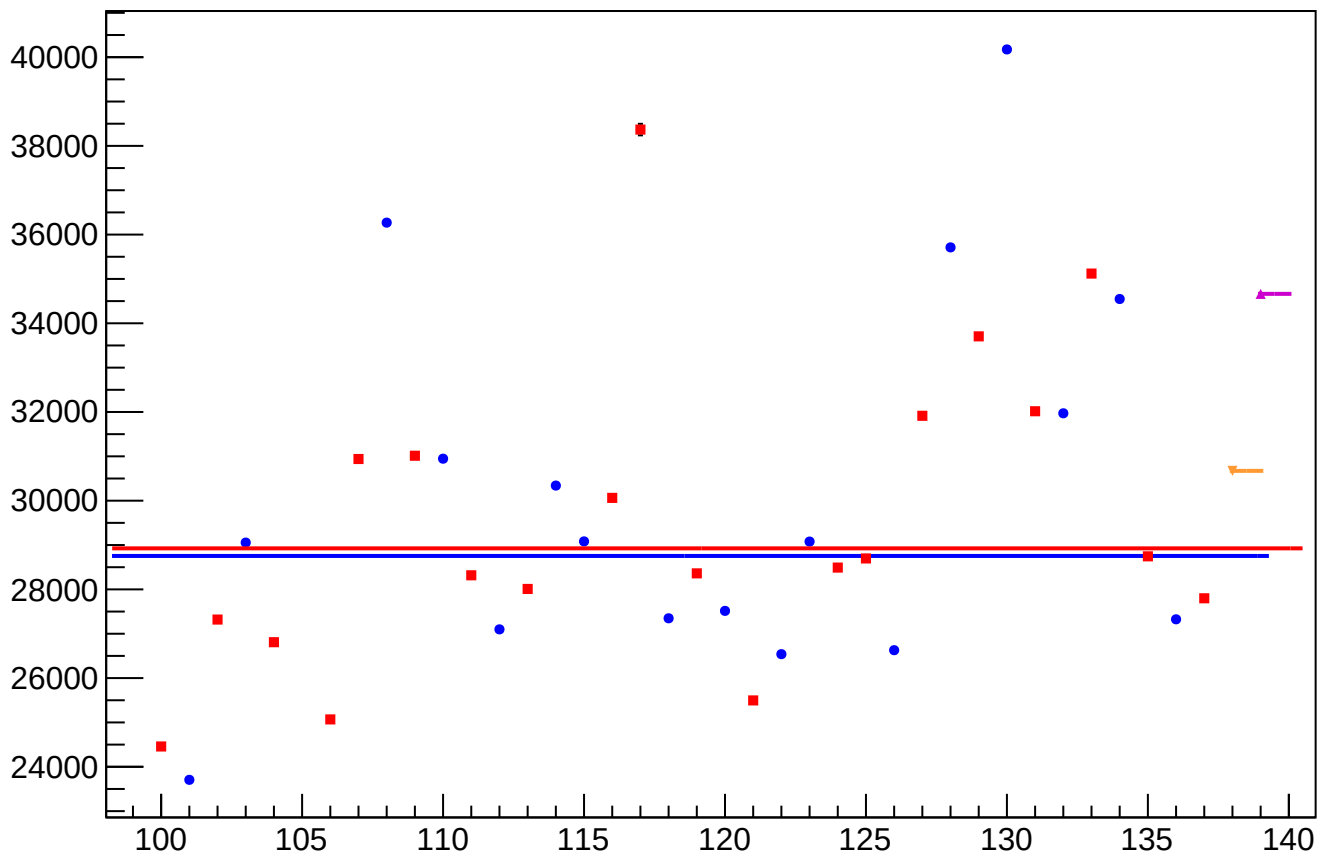
Left In: -10.510 ± 40.723 χ^2/NDF : 0.0/0

-12.494 ± 10.777 χ^2/NDF : 16.8/17

-11.381 ± 7.522 χ^2/NDF : 36.7/38

-10.325 ± 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: 30672.412+/-25.625 χ^2/NDF : 0.0/0

Right Out: 28925.160+/-7.687 χ^2/NDF : 116514.7/19

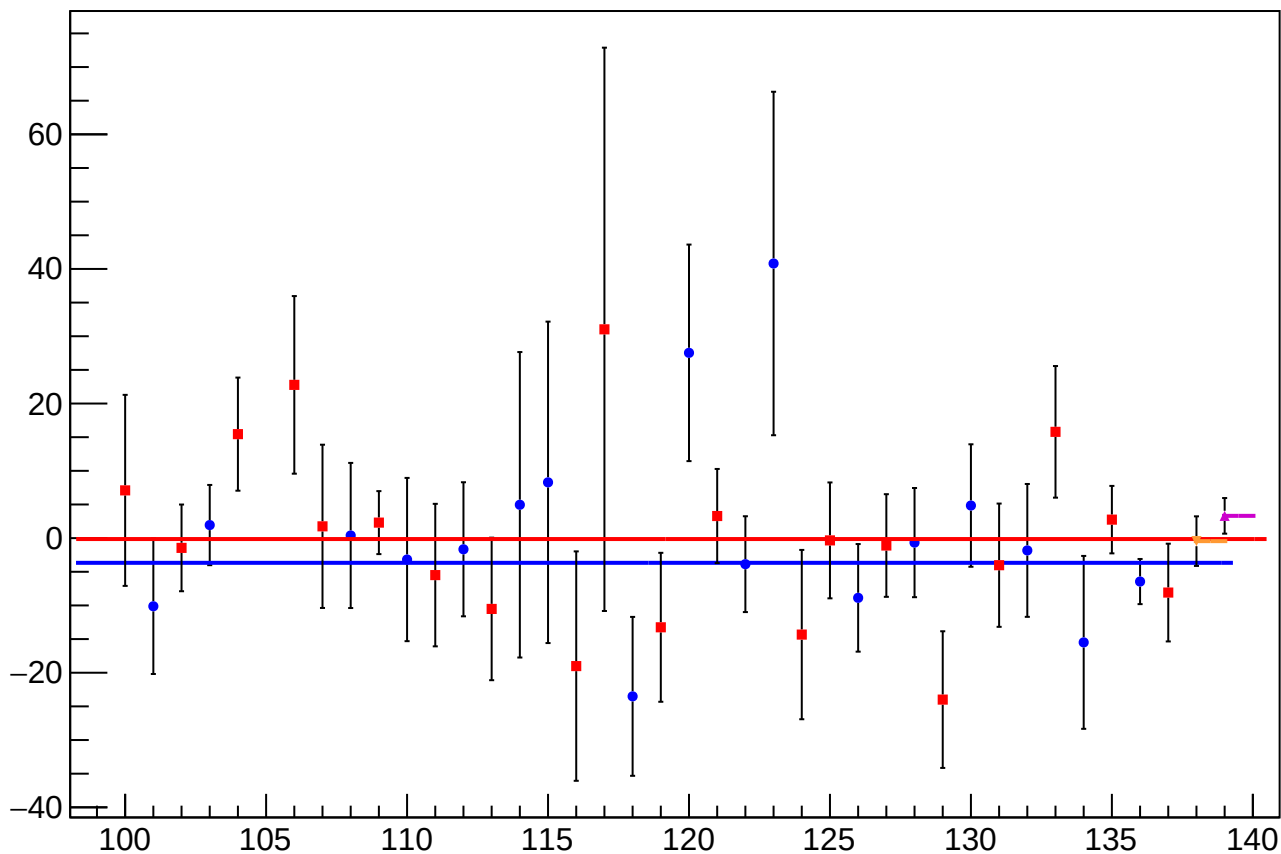
Left In: 34663.478+/-28.795 χ^2/NDF : 0.0/0

28923.444+/-7.620 χ^2/NDF : 254325.2/17

29120.101+/-5.319 χ^2/NDF : 409208.8/38

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: -0.446 ± 3.685 χ^2/NDF : 0.0/0

Right Out: -0.135 ± 1.891 χ^2/NDF : 22.9/19

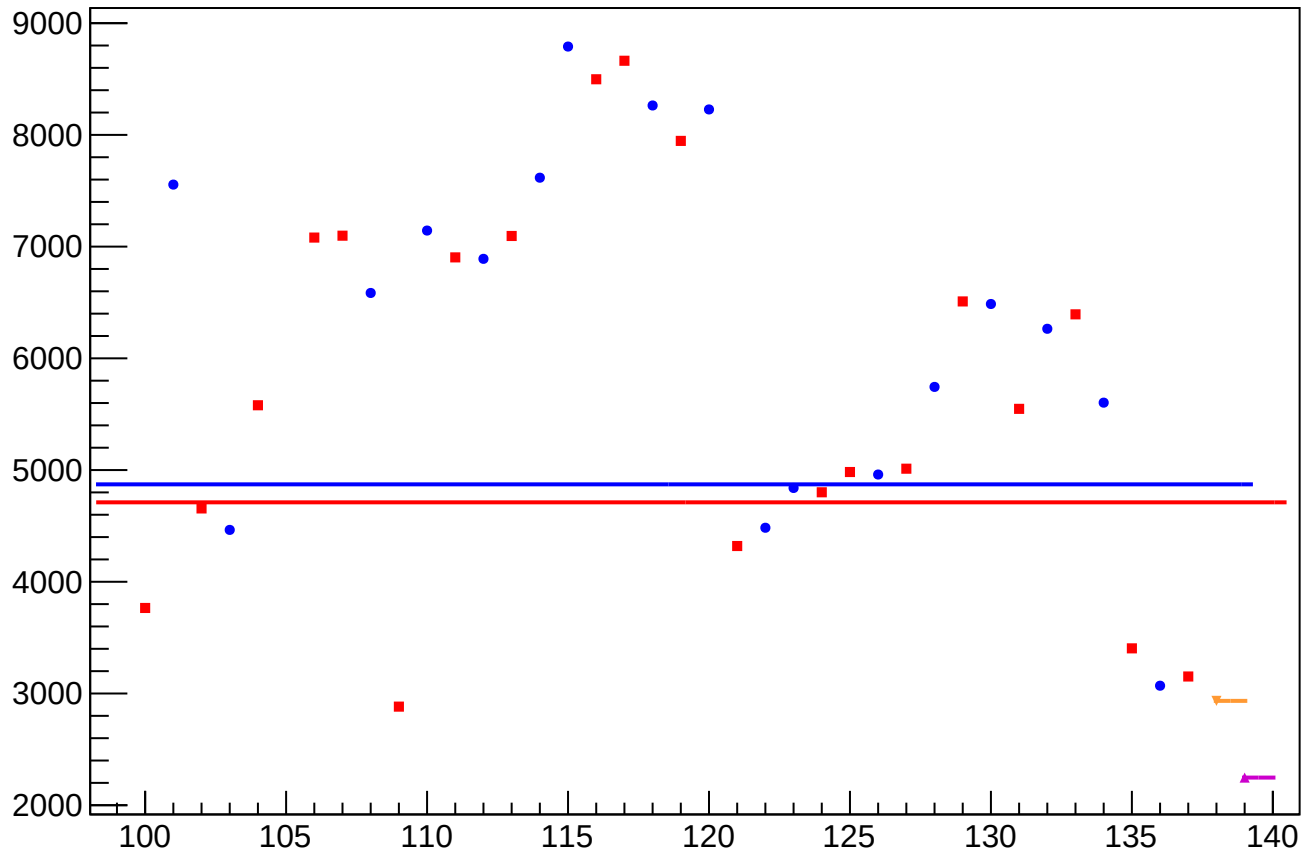
Left In: 3.311 ± 2.646 χ^2/NDF : 0.0/0

-2.929 ± 1.764 χ^2/NDF : 15.1/17

-0.680 ± 1.160 χ^2/NDF : 41.9/38

1.029 ± 1.538 χ^2/NDF : 24.0/20

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 2933.990+/-2.605 χ^2/NDF : 0.0/0

Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

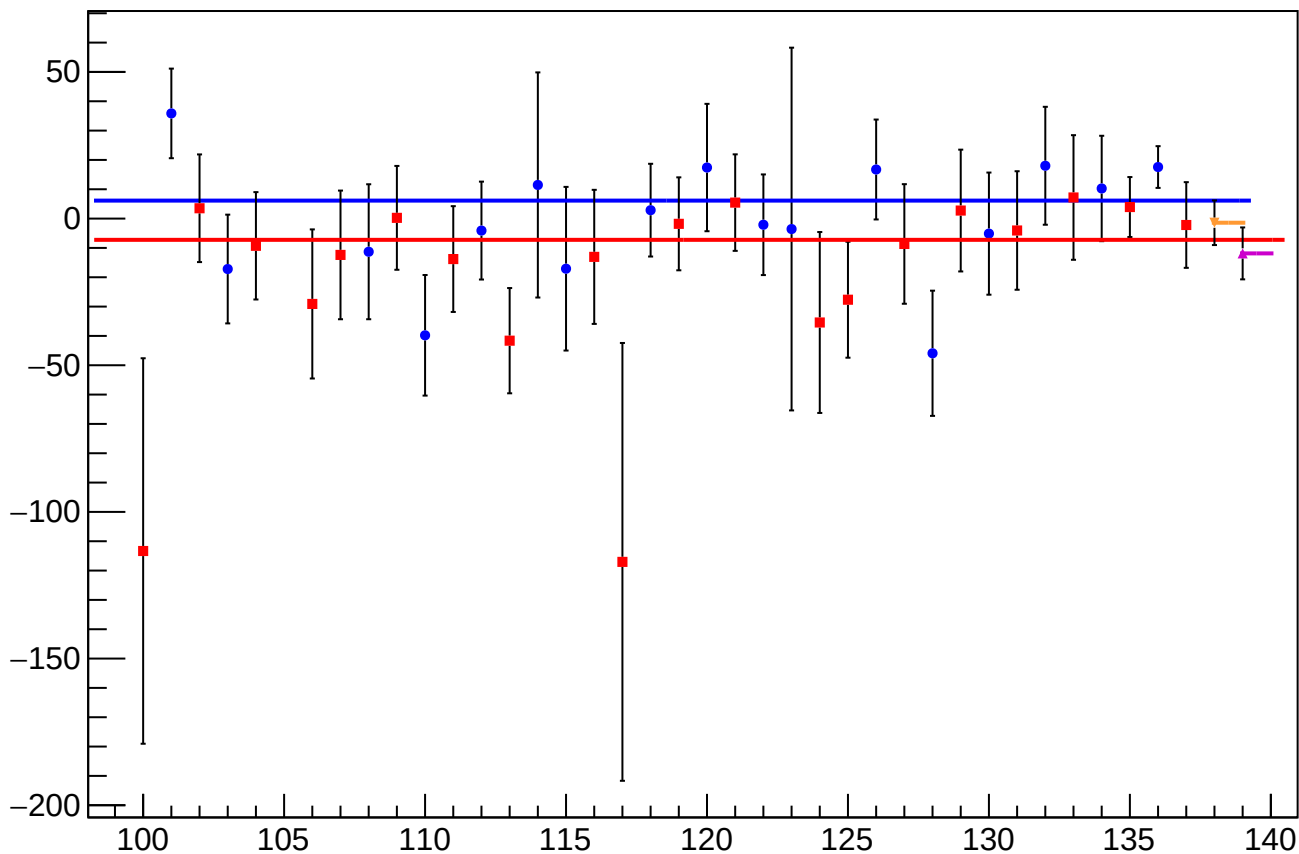
Left In: 2247.316+/-1.871 χ^2/NDF : 0.0/0

4427.685+/-1.248 χ^2/NDF : 1831746.0/17

4115.649+/-0.820 χ^2/NDF : 4420165.7/38

3878.415+/-1.088 χ^2/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: -1.409 $\pm$ 7.615 χ^2/NDF : 0.0/0

Right Out: -7.243 $\pm$ 4.218 χ^2/NDF : 14.6/19

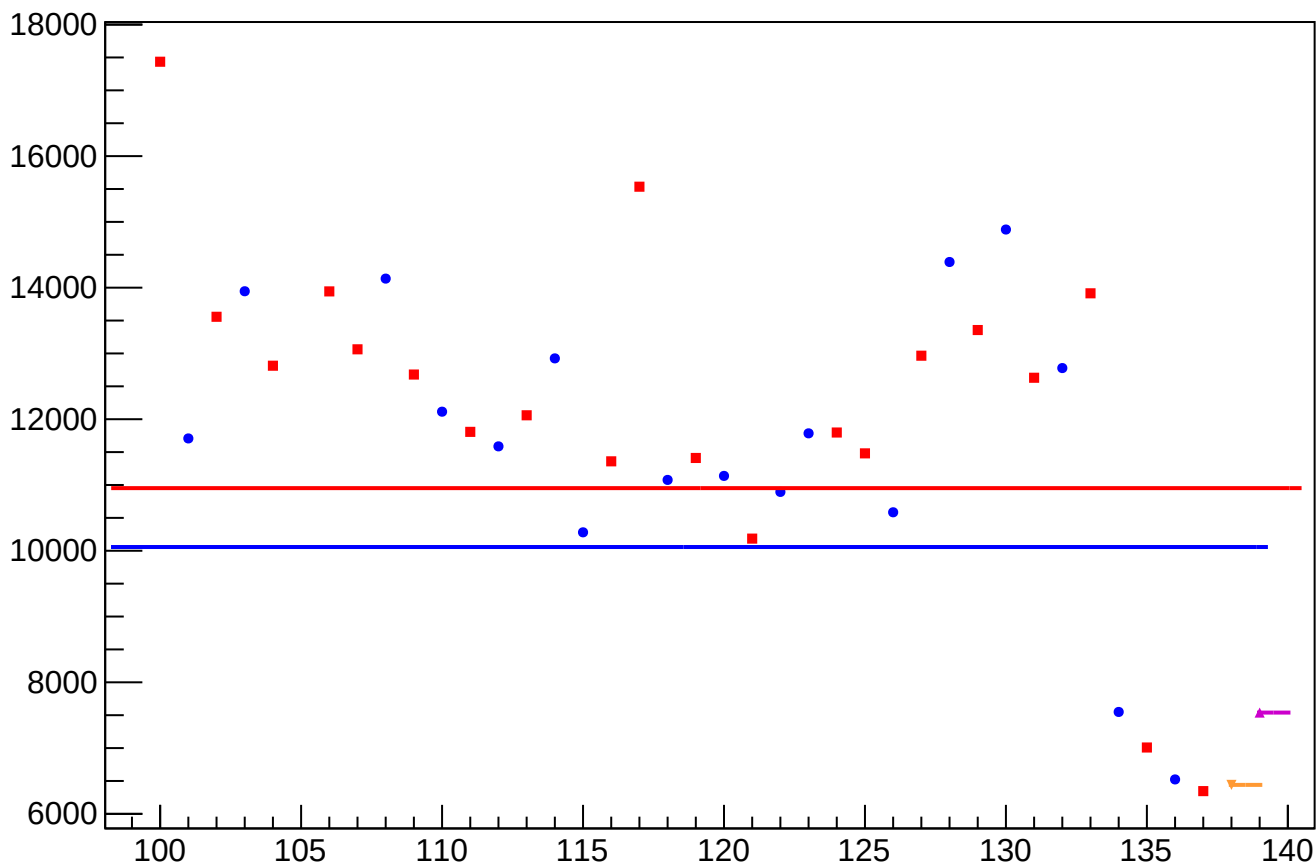
Left In: -11.867 $\pm$ 8.853 χ^2/NDF : 0.0/0

4.450 $\pm$ 3.596 χ^2/NDF : 23.0/17

-1.466 $\pm$ 2.615 χ^2/NDF : 43.6/38

-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: 6440.485+/-5.384 χ^2/NDF : 0.0/0

Right Out: 10952.255+/-2.982 χ^2/NDF : 770474.3/19

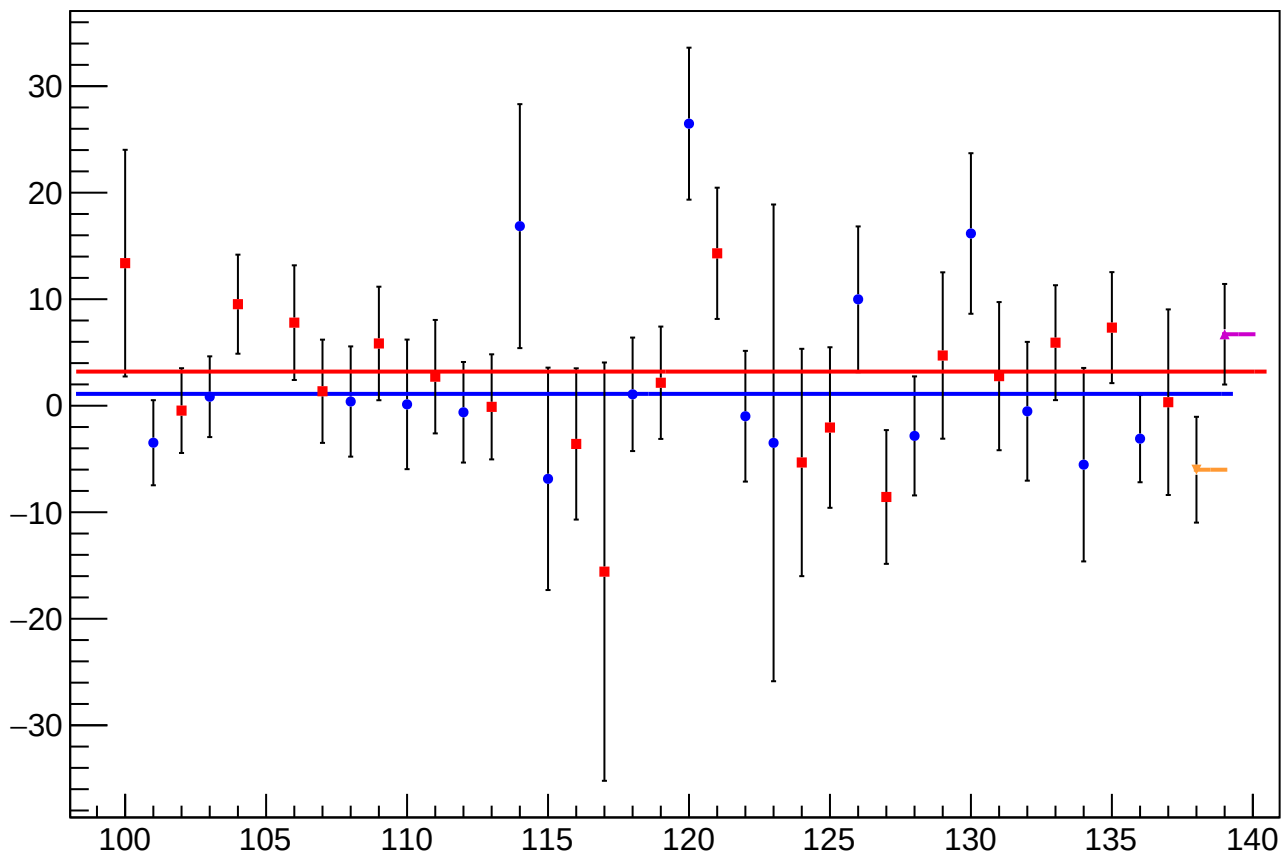
Left In: 7539.817+/-6.260 χ^2/NDF : 0.0/0

9250.263+/-2.543 χ^2/NDF : 1353369.1/17

9755.138+/-1.849 χ^2/NDF : 2449606.2/38

10321.057+/-2.692 χ^2/NDF : 1012643.3/20

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -6.007 ± 4.967 χ^2/NDF : 0.0/0

Right Out: 3.204 ± 1.331 χ^2/NDF : 16.0/19

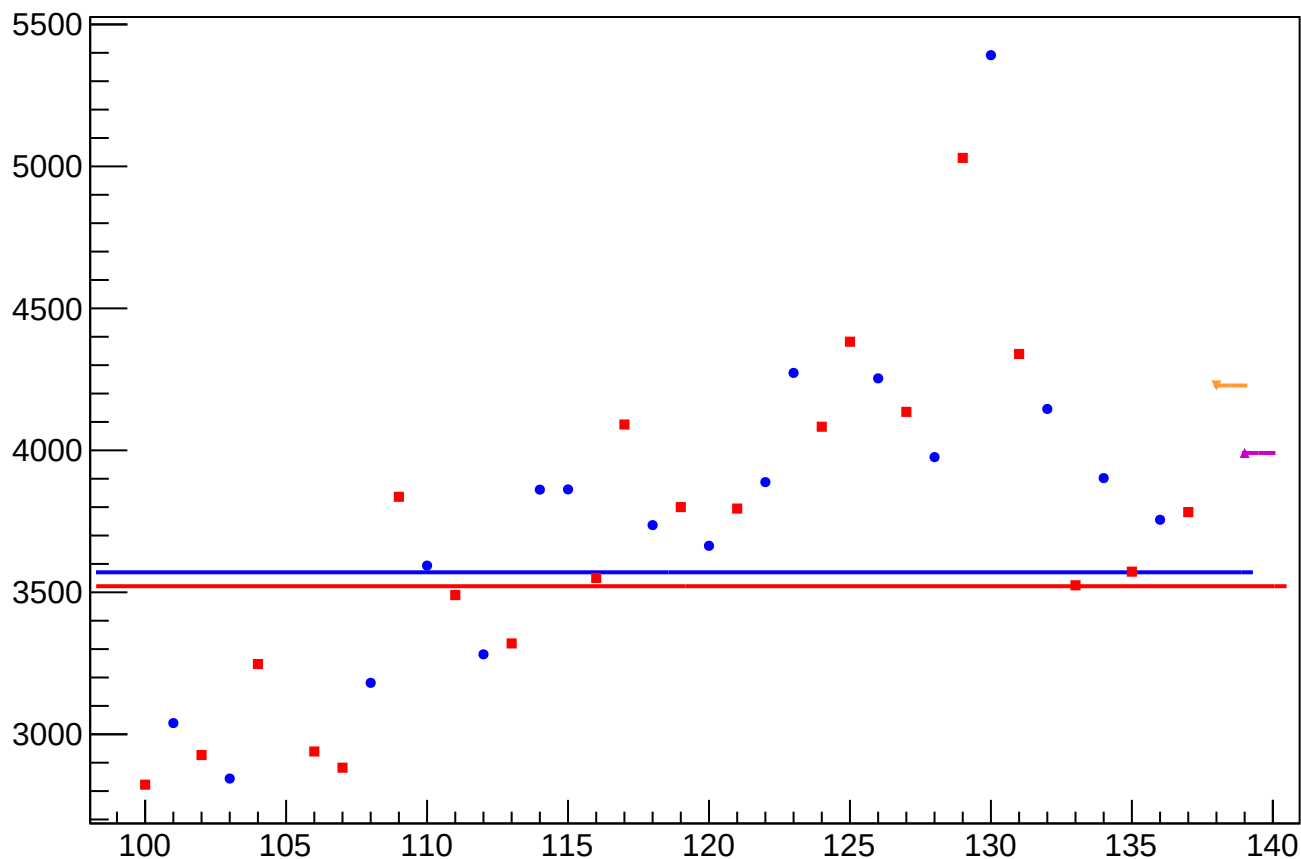
Left In: 6.709 ± 4.721 χ^2/NDF : 0.0/0

0.586 ± 1.350 χ^2/NDF : 26.5/17

2.100 ± 0.929 χ^2/NDF : 45.4/38

3.462 ± 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: 4228.357+/-3.512 χ^2/NDF : 0.0/0

Right Out: 3521.513+/-0.941 χ^2/NDF : 295082.3/19

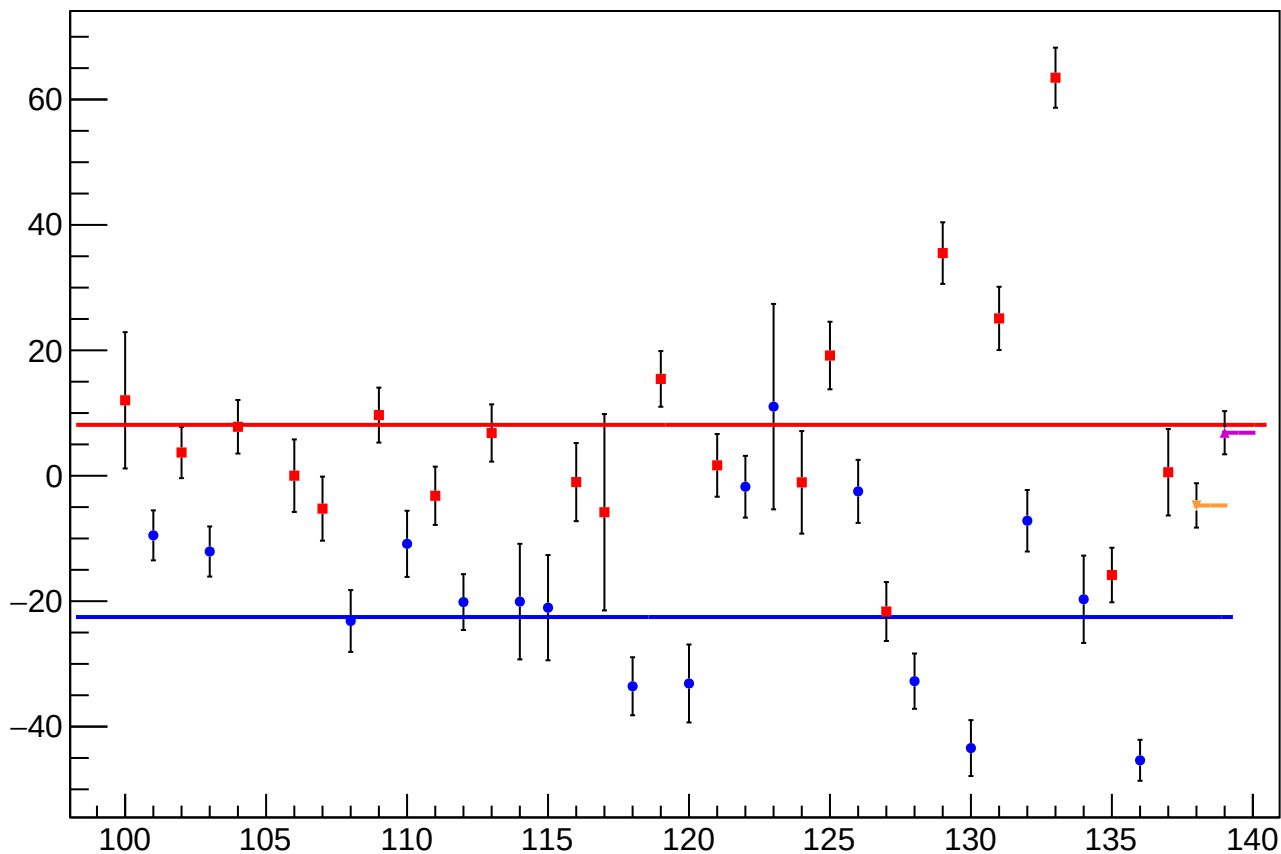
Left In: 3990.771+/-3.338 χ^2/NDF : 0.0/0

3619.077+/-0.955 χ^2/NDF : 342190.5/17

3585.899+/-0.657 χ^2/NDF : 657873.4/38

3556.044+/-0.906 χ^2/NDF : 313388.0/20

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 $\pm$ 1.201 χ^2 /NDF: 155.5/16

Left Out: -4.731 $\pm$ 3.537 χ^2 /NDF:0.0/0

Right Out: 8.116 $\pm$ 1.154 χ^2 /NDF: 276.6/19

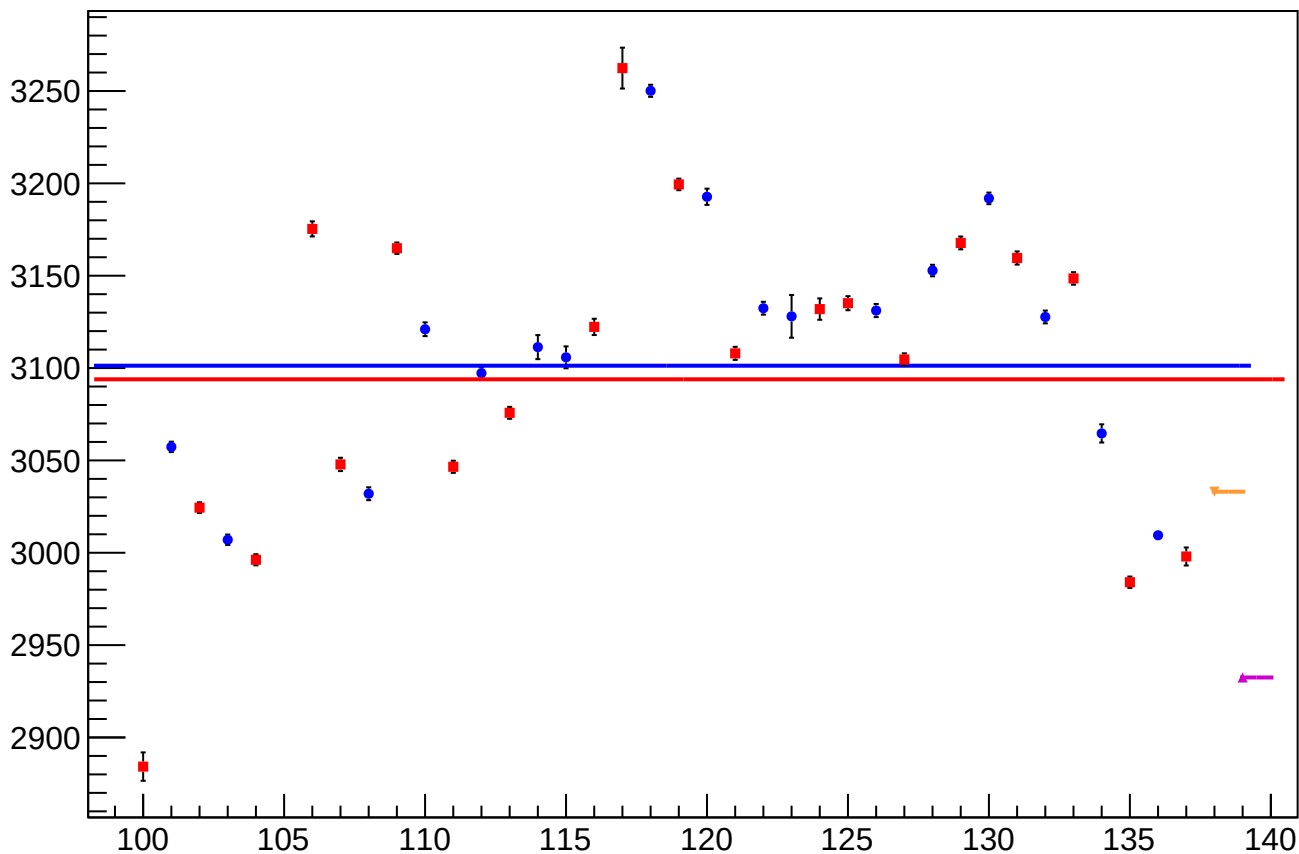
Left In: 6.862 $\pm$ 3.443 χ^2 /NDF:0.0/0

-20.688 $\pm$ 1.137 χ^2 /NDF: 178.2/17

-5.798 $\pm$ 0.788 χ^2 /NDF: 785.3/38

7.989 $\pm$ 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: 3033.062+/-2.501 χ^2/NDF : 0.0/0

Right Out: 3093.913+/-0.816 χ^2/NDF : 7998.9/19

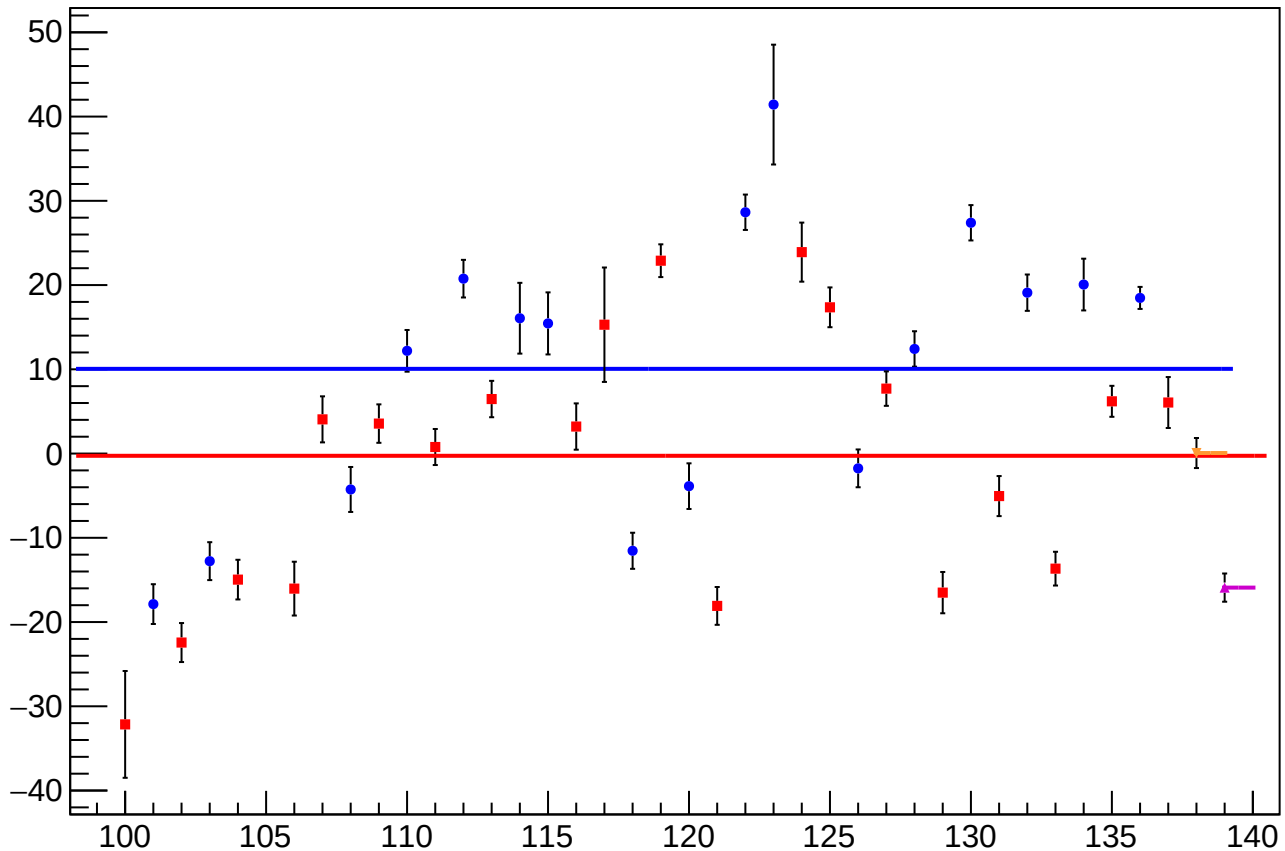
Left In: 2932.472+/-2.434 χ^2/NDF : 0.0/0

3094.224+/-0.804 χ^2/NDF : 7900.7/17

3085.600+/-0.557 χ^2/NDF : 20074.9/38

3077.614+/-0.774 χ^2/NDF : 11952.5/20

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055+/-0.562 χ^2/NDF : 692.2/16

Left Out: 0.062+/-1.783 χ^2/NDF : 0.0/0

Right Out: -0.266+/-0.545 χ^2/NDF : 635.1/19

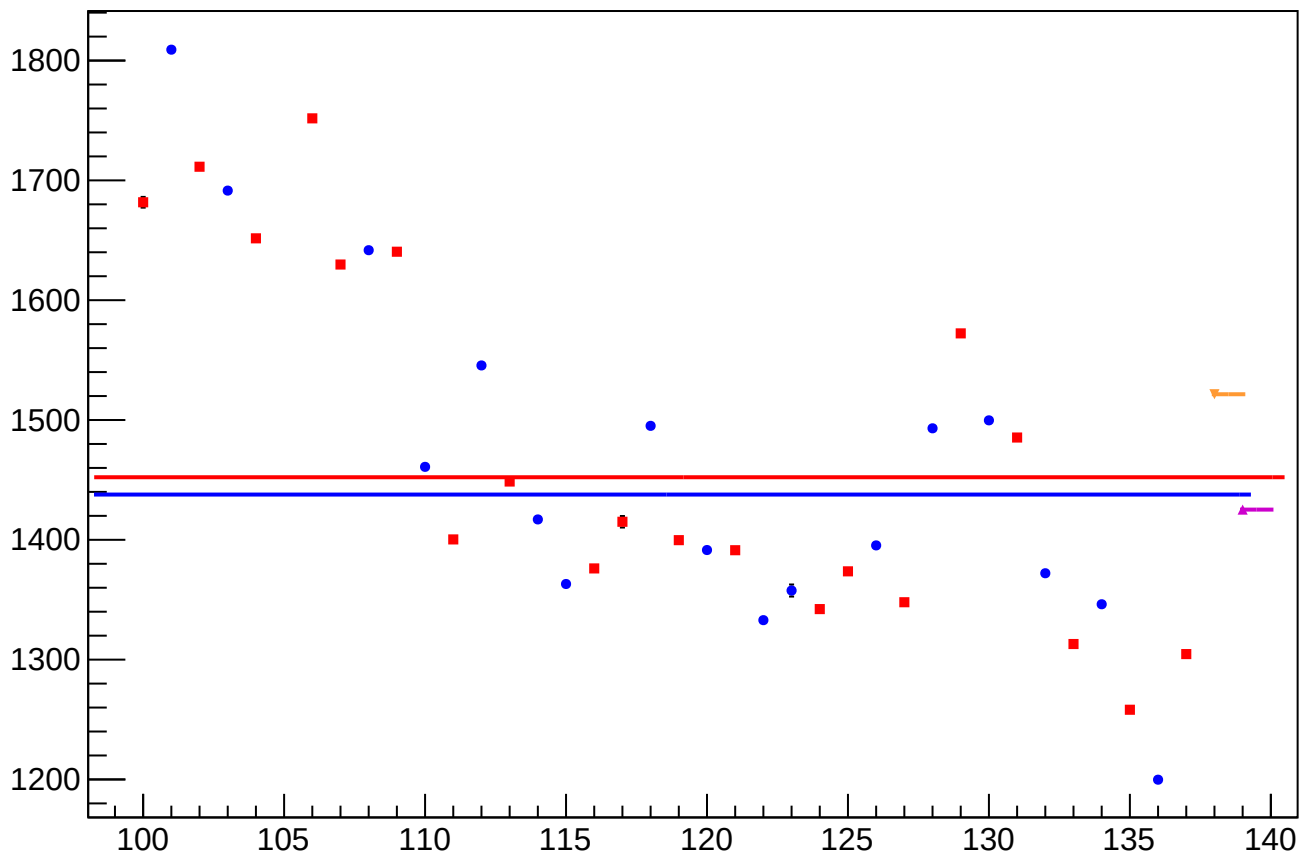
Left In: -15.912+/-1.674 χ^2/NDF : 0.0/0

9.154+/-0.536 χ^2/NDF : 720.8/17

3.515+/-0.373 χ^2/NDF : 1649.4/38

-1.766+/-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: 1521.504 $\pm$ 1.261 χ^2 /NDF: 0.0/0

Right Out: 1452.227 $\pm$ 0.386 χ^2 /NDF: 138666.1/19

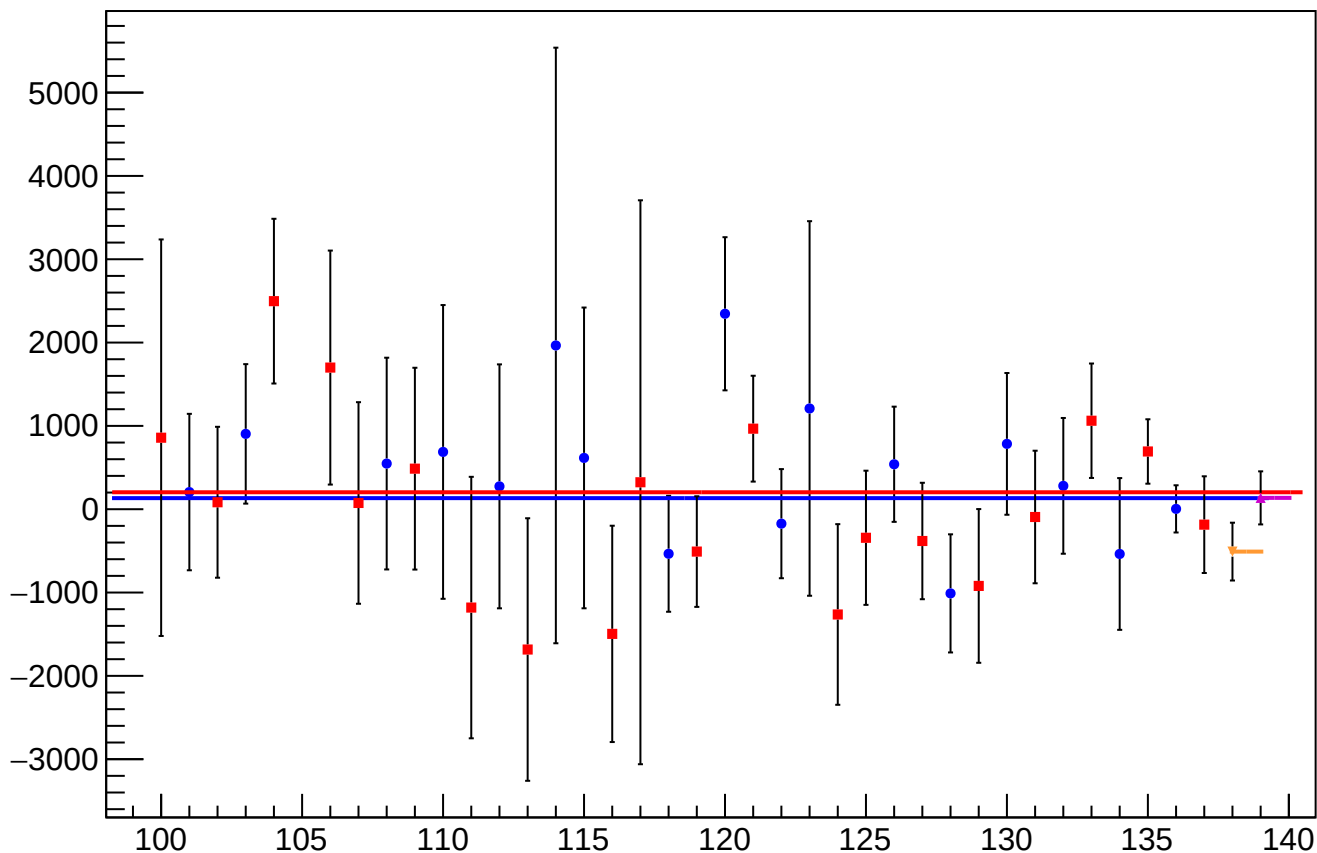
Left In: 1425.218 $\pm$ 1.184 χ^2 /NDF: 0.0/0

1445.331 $\pm$ 0.379 χ^2 /NDF: 177226.4/17

1447.555 $\pm$ 0.263 χ^2 /NDF: 316429.7/38

1449.638 $\pm$ 0.367 χ^2 /NDF: 139136.5/20

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -508.718 $\pm$ 346.932 χ^2 /NDF: 0.0/0

Right Out: 203.418 $\pm$ 184.080 χ^2 /NDF: 21.4/19

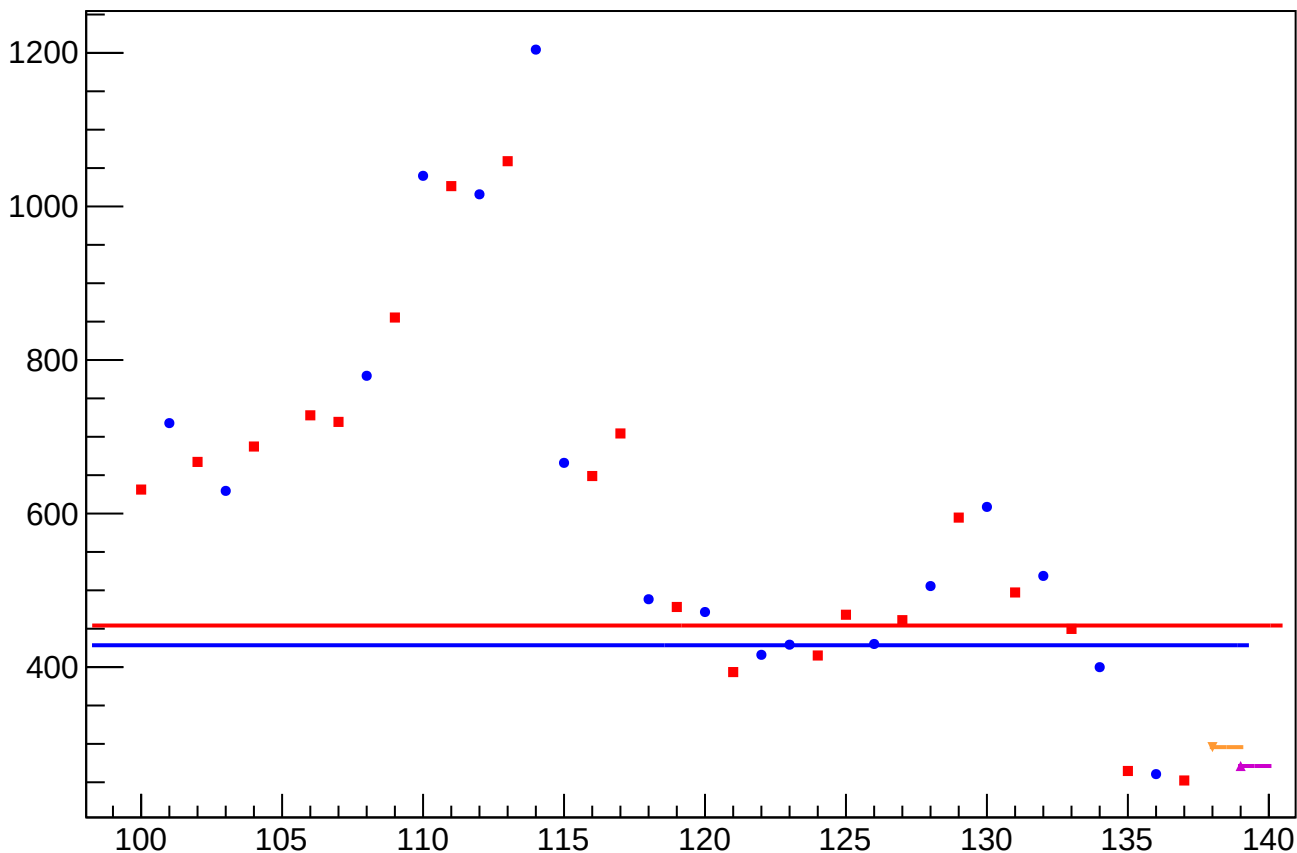
Left In: 135.994 $\pm$ 318.509 χ^2 /NDF: 0.0/0

-3.489 $\pm$ 159.965 χ^2 /NDF: 15.6/17

91.873 $\pm$ 112.904 χ^2 /NDF: 37.8/38

186.536 $\pm$ 159.377 χ^2 /NDF: 21.5/20

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 295.770+/-0.245 χ^2/NDF : 0.0/0

Right Out: 454.177+/-0.130 χ^2/NDF : 2040775.1/19

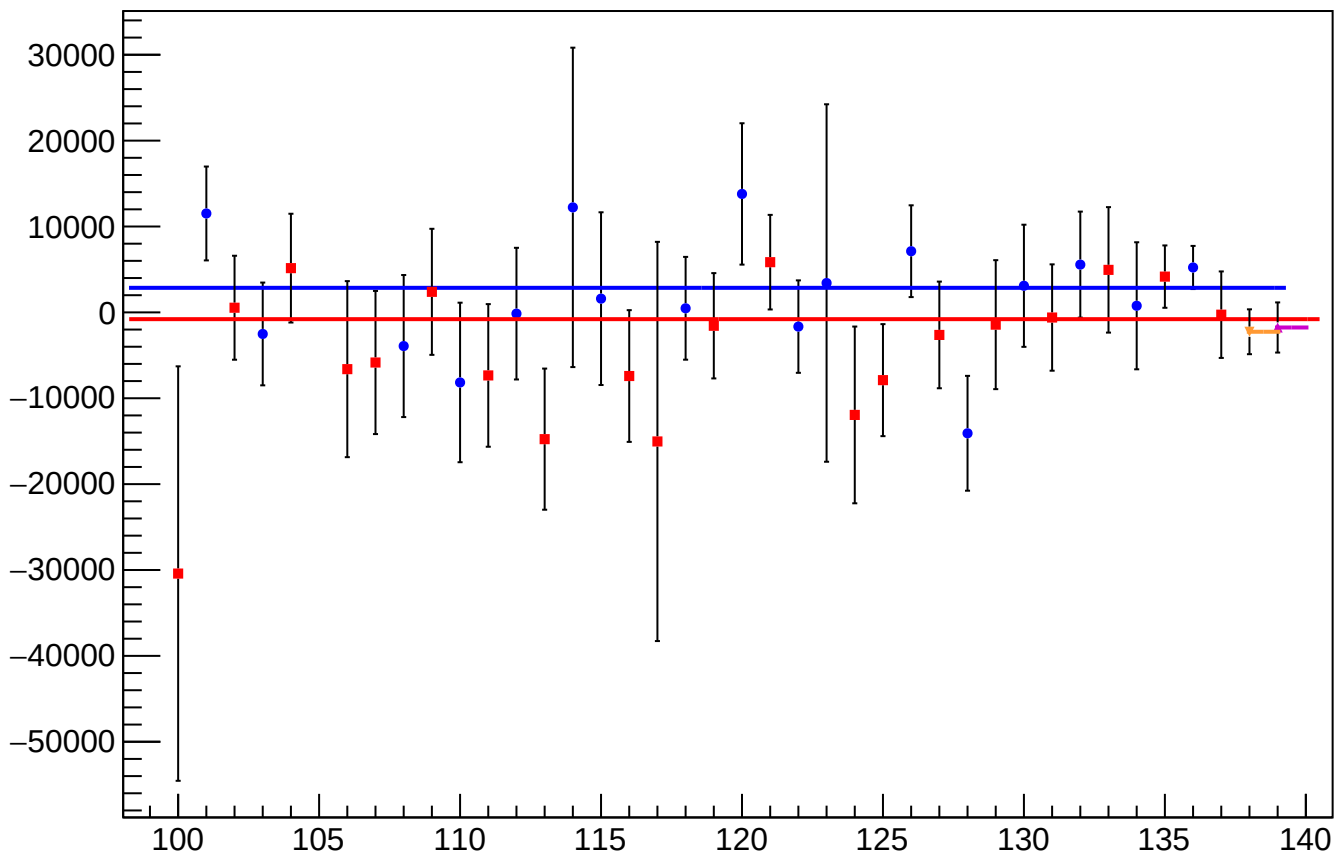
Left In: 271.181+/-0.225 χ^2/NDF : 0.0/0

400.251+/-0.113 χ^2/NDF : 2241817.2/17

404.319+/-0.080 χ^2/NDF : 4780063.8/38

408.358+/-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: -2256.836 $\pm$ 2612.454 χ^2 /NDF: 0.0/0

Right Out: -789.608 $\pm$ 1506.053 χ^2 /NDF: 14.4/19

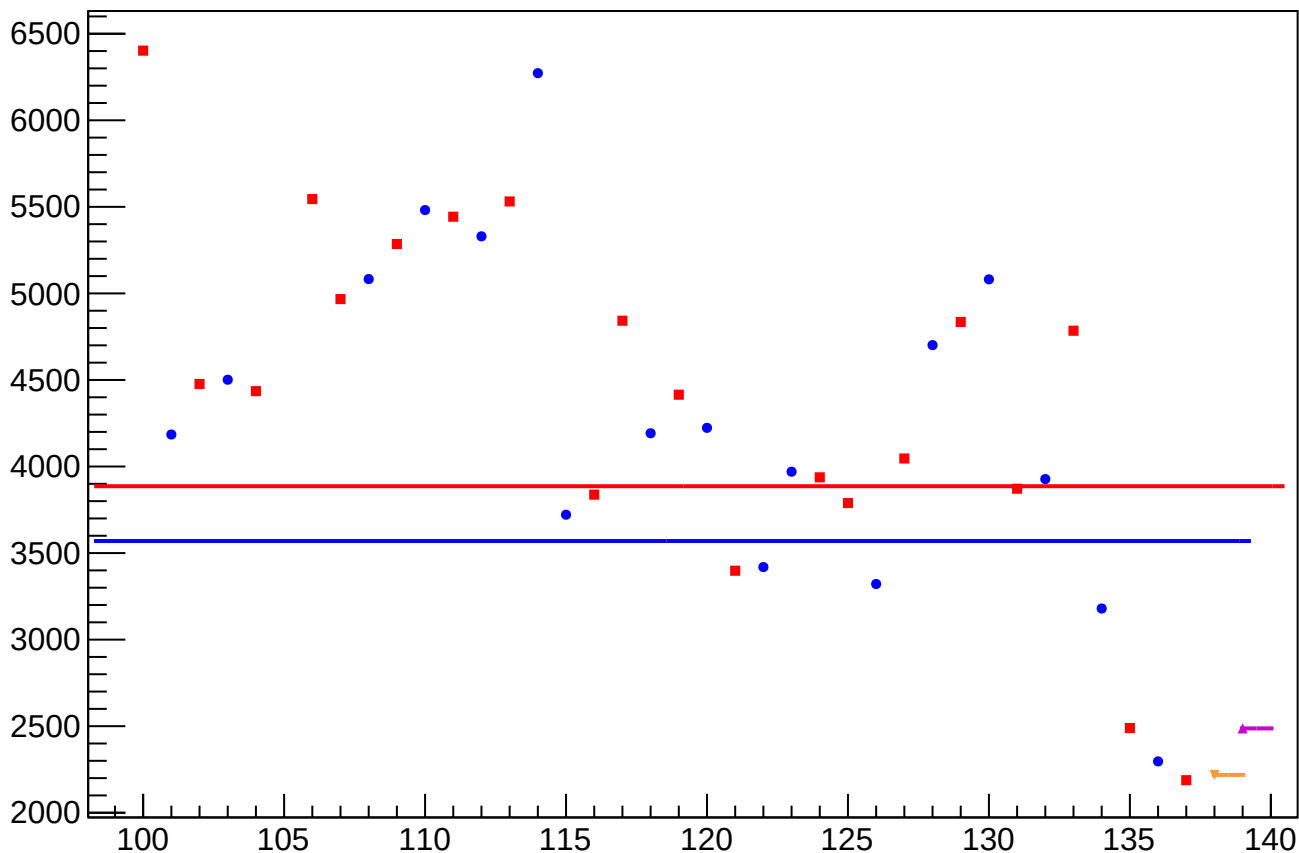
Left In: -1759.597 $\pm$ 2919.794 χ^2 /NDF: 0.0/0

1657.331 $\pm$ 1266.393 χ^2 /NDF: 19.6/17

405.247 $\pm$ 919.906 χ^2 /NDF: 36.1/38

-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: 2218.573+/-1.847 χ^2/NDF : 0.0/0

Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

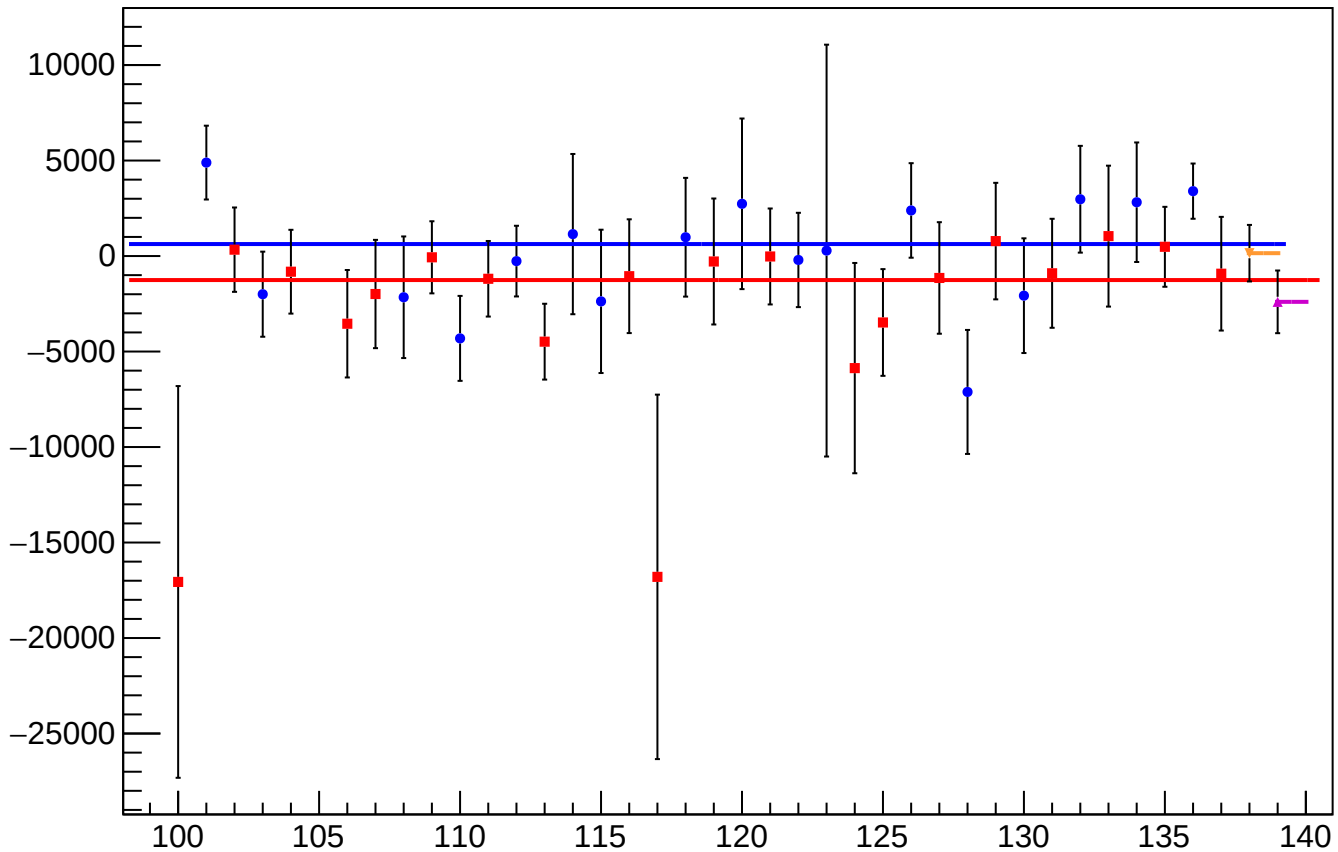
Left In: 2487.260+/-2.065 χ^2/NDF : 0.0/0

3252.153+/-0.895 χ^2/NDF : 1497150.0/17

3412.781+/-0.650 χ^2/NDF : 2914390.6/38

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: 149.994+/-1479.925 χ^2/NDF : 0.0/0

Right Out: -1257.467+/-601.857 χ^2/NDF : 12.6/19

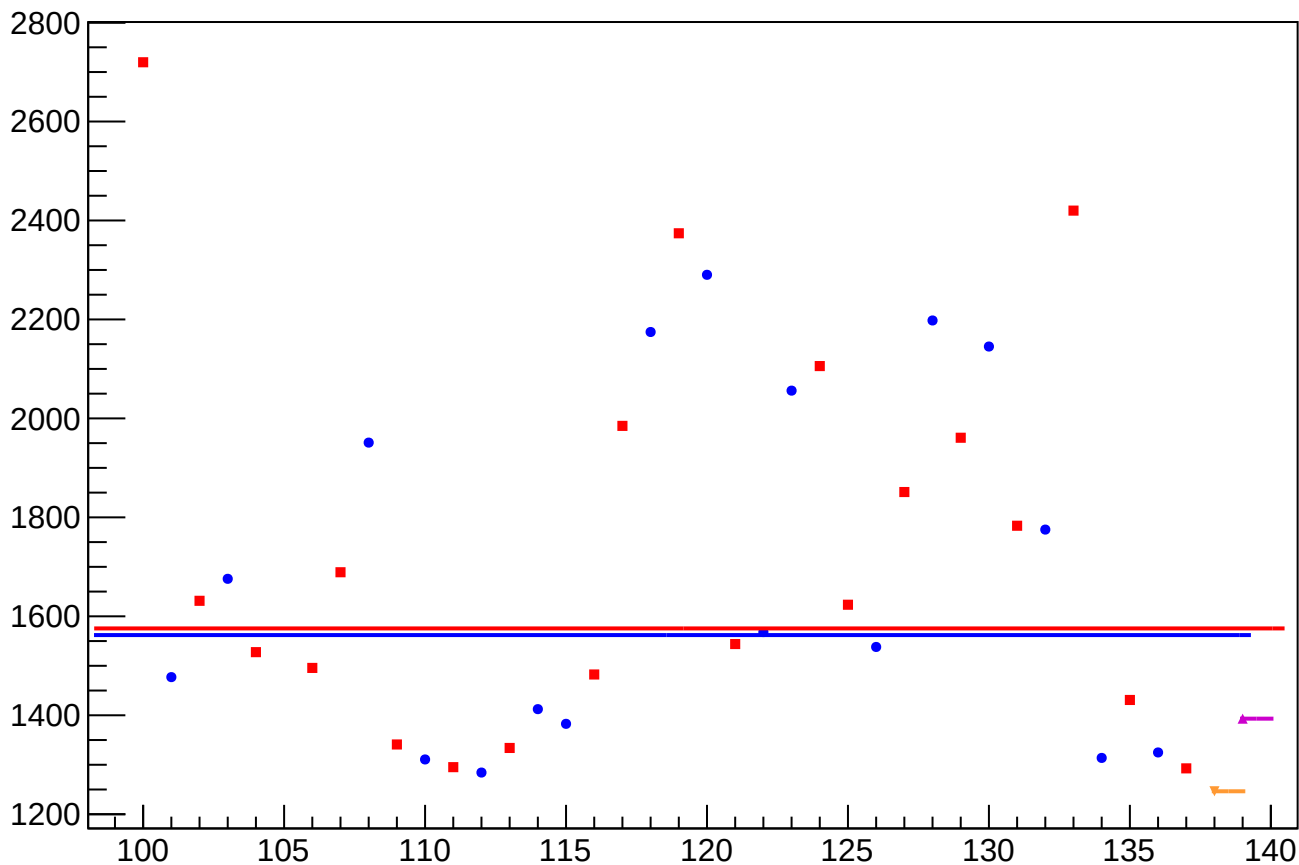
Left In: -2398.426+/-1640.725 χ^2/NDF : 0.0/0

556.155+/-572.574 χ^2/NDF : 25.2/17

-431.221+/-402.181 χ^2/NDF : 44.0/38

-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: 1246.406+/-1.046 χ^2/NDF : 0.0/0

Right Out: 1575.541+/-0.426 χ^2/NDF : 467687.2/19

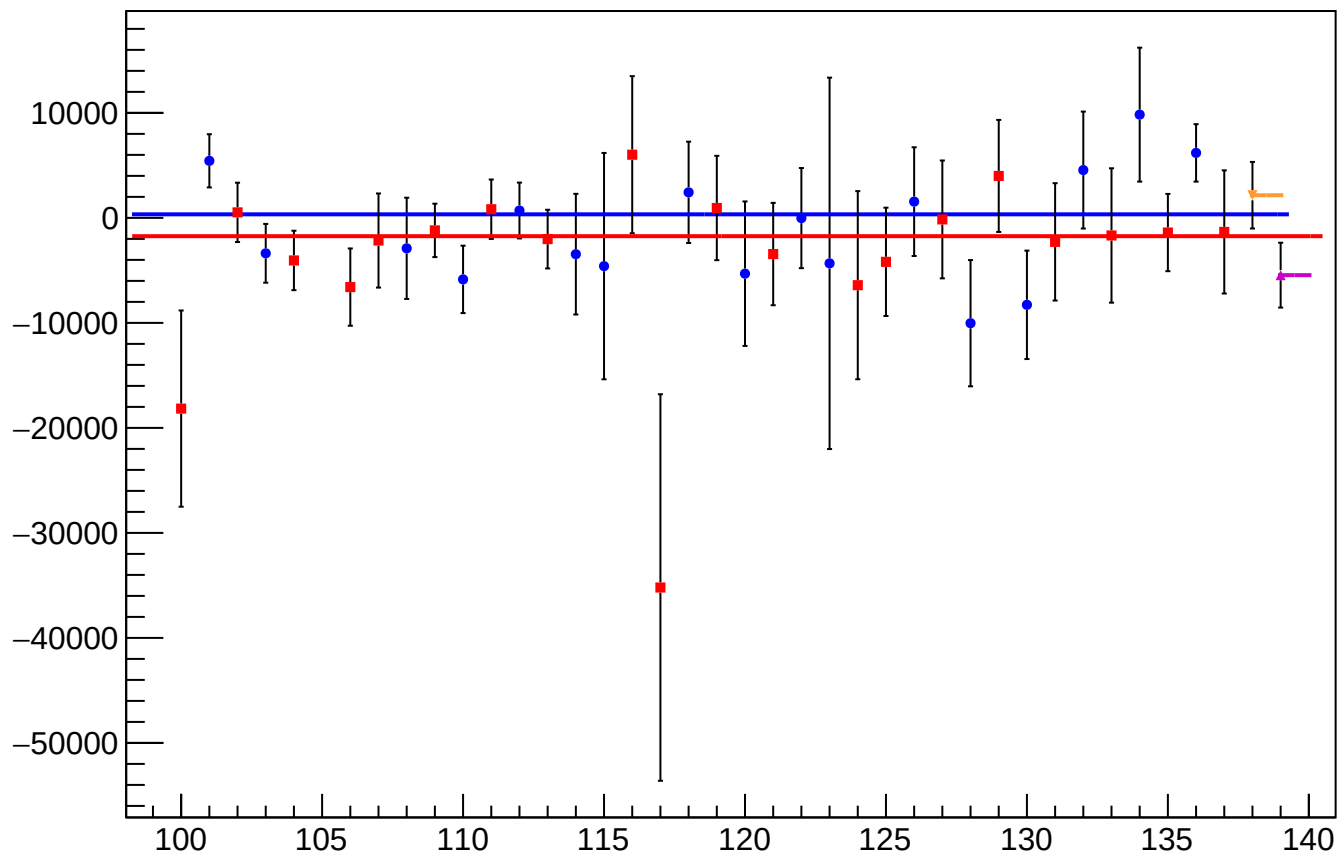
Left In: 1393.183+/-1.160 χ^2/NDF : 0.0/0

1514.846+/-0.405 χ^2/NDF : 559475.1/17

1534.638+/-0.284 χ^2/NDF : 1053655.8/38

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: 2158.430+/-3170.303 χ^2/NDF : 0.0/0

Right Out: -1742.470+/-923.289 χ^2/NDF : 13.6/19

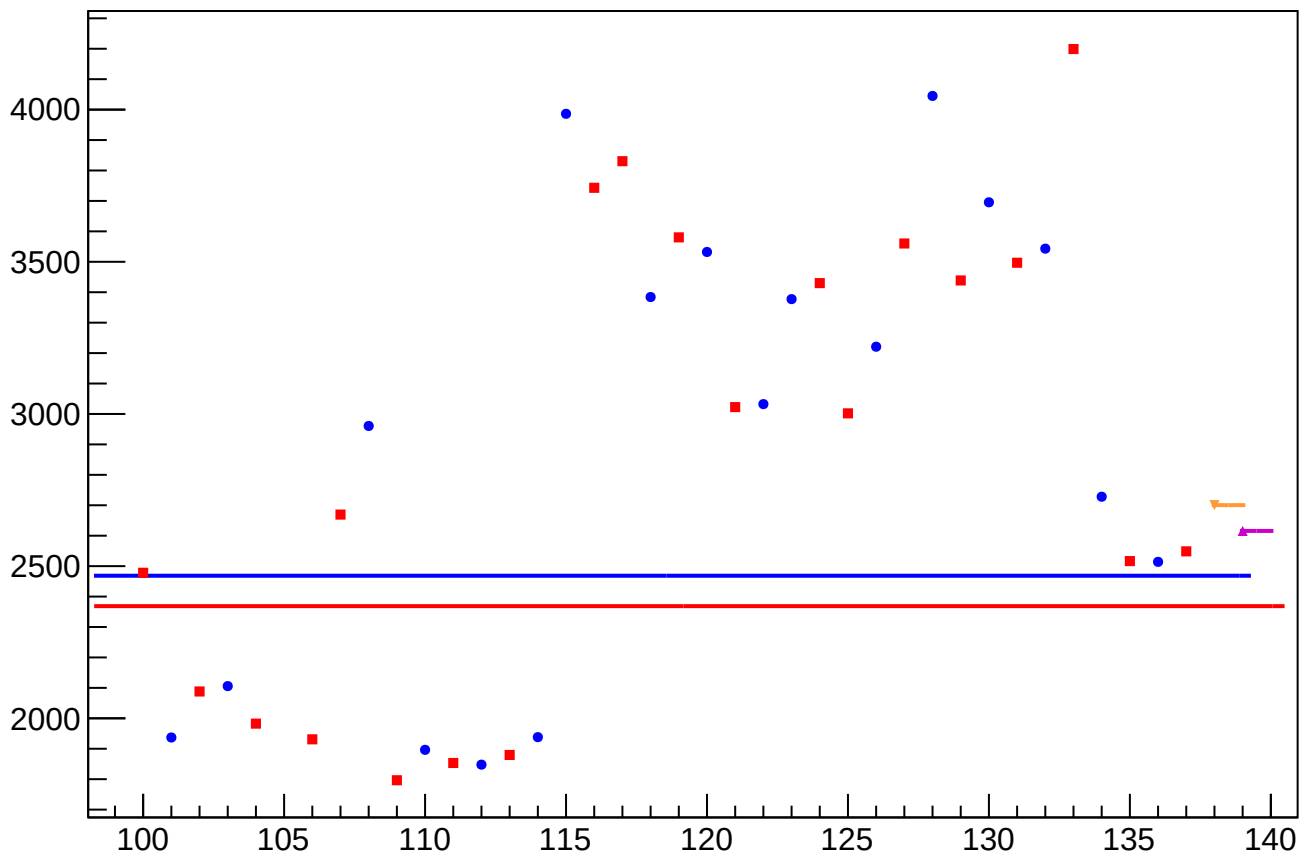
Left In: -5453.716+/-3087.886 χ^2/NDF : 0.0/0

501.595+/-950.073 χ^2/NDF : 25.1/17

-863.568+/-647.414 χ^2/NDF : 43.8/38

-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: 2700.423+/-2.242 χ^2/NDF : 0.0/0

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

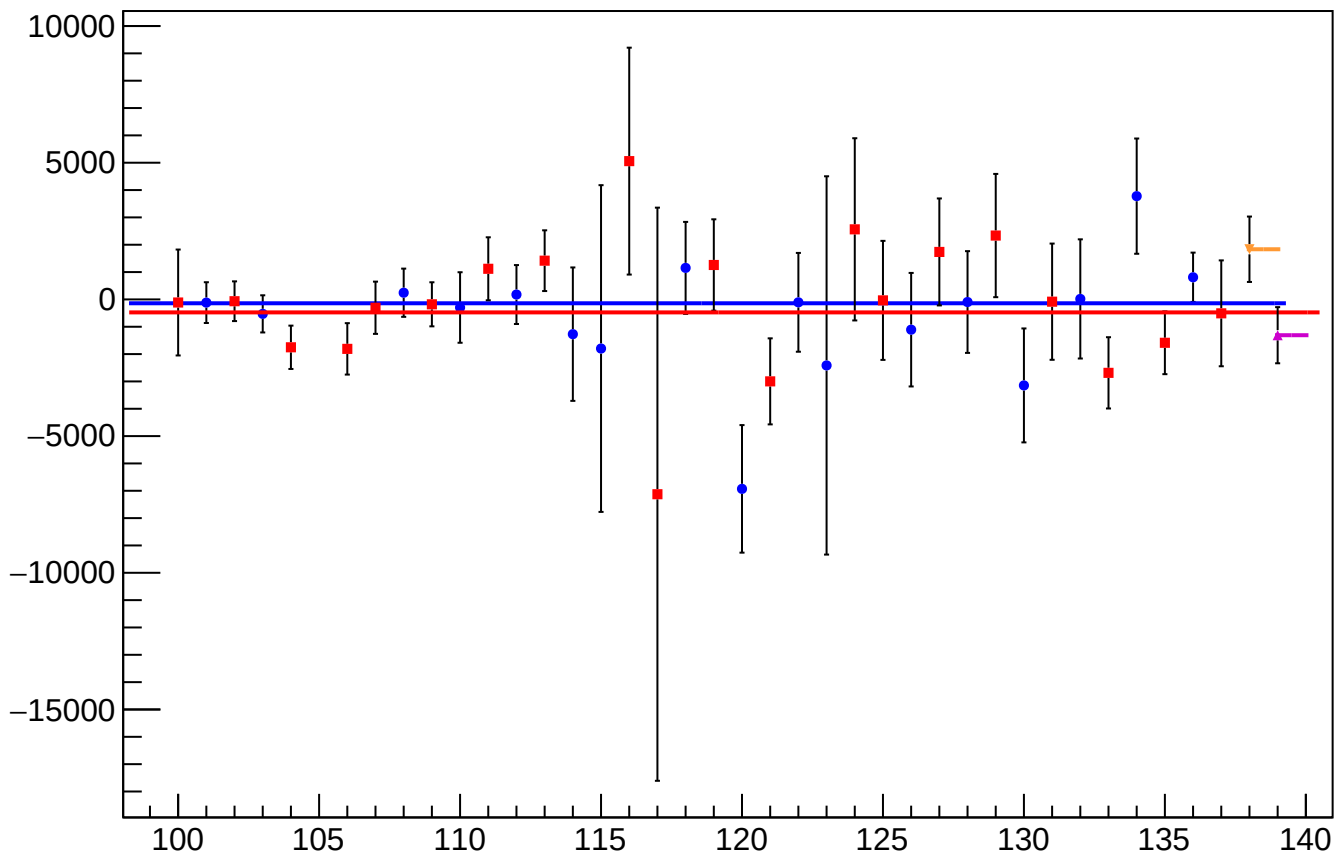
Left In: 2615.670+/-2.183 χ^2/NDF : 0.0/0

2489.318+/-0.672 χ^2/NDF : 905896.6/17

2435.478+/-0.458 χ^2/NDF : 1967460.0/38

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: 1834.626+/-1196.127 χ^2/NDF : 0.0/0

Right Out: -474.987+/-282.789 χ^2/NDF : 23.3/19

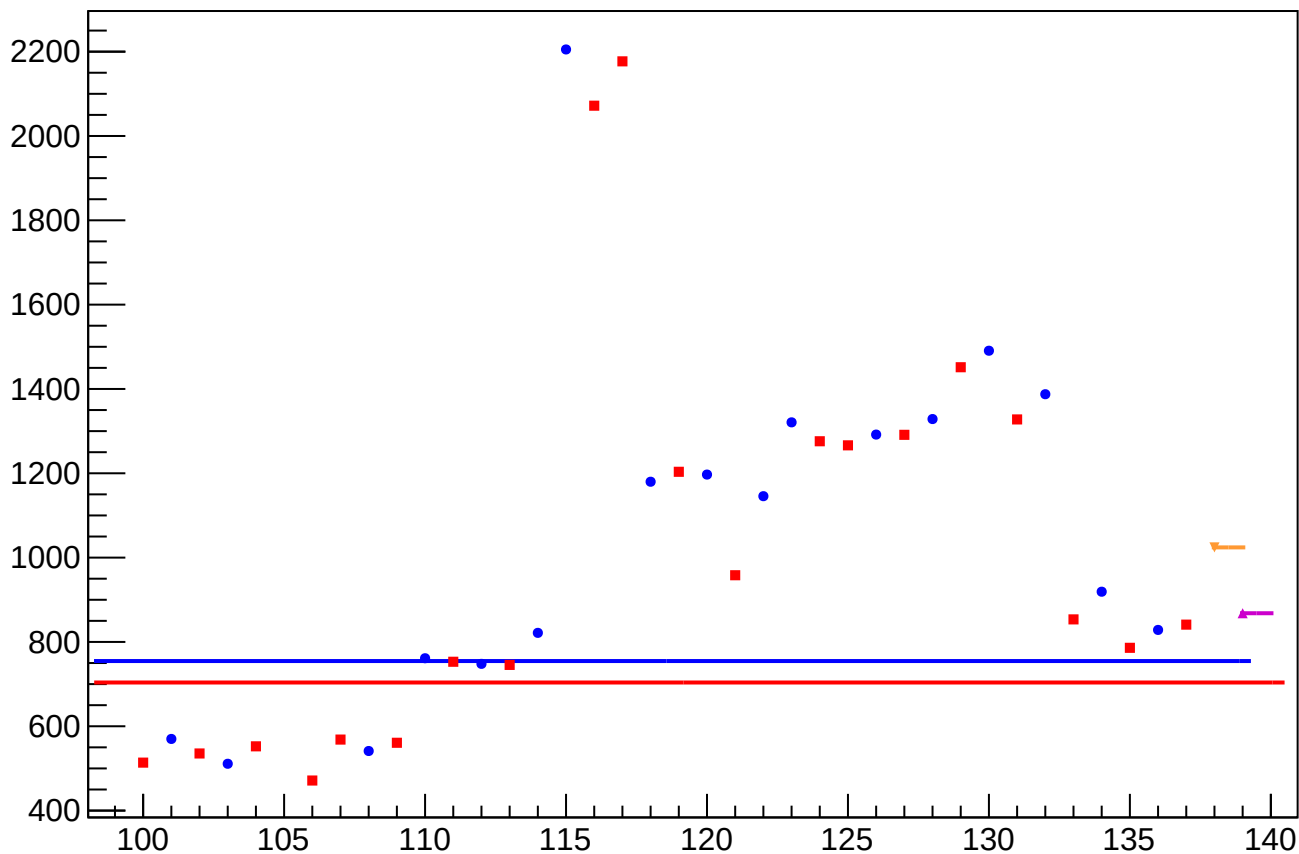
Left In: -1309.486+/-1026.824 χ^2/NDF : 0.0/0

-14.346+/-303.093 χ^2/NDF : 19.5/17

-301.484+/-202.699 χ^2/NDF : 45.1/38

-533.819+/-272.639 χ^2/NDF : 23.9/20

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 1024.234 $\pm$ 0.846 χ^2 /NDF: 0.0/0

Right Out: 703.794 $\pm$ 0.200 χ^2 /NDF: 1731134.6/19

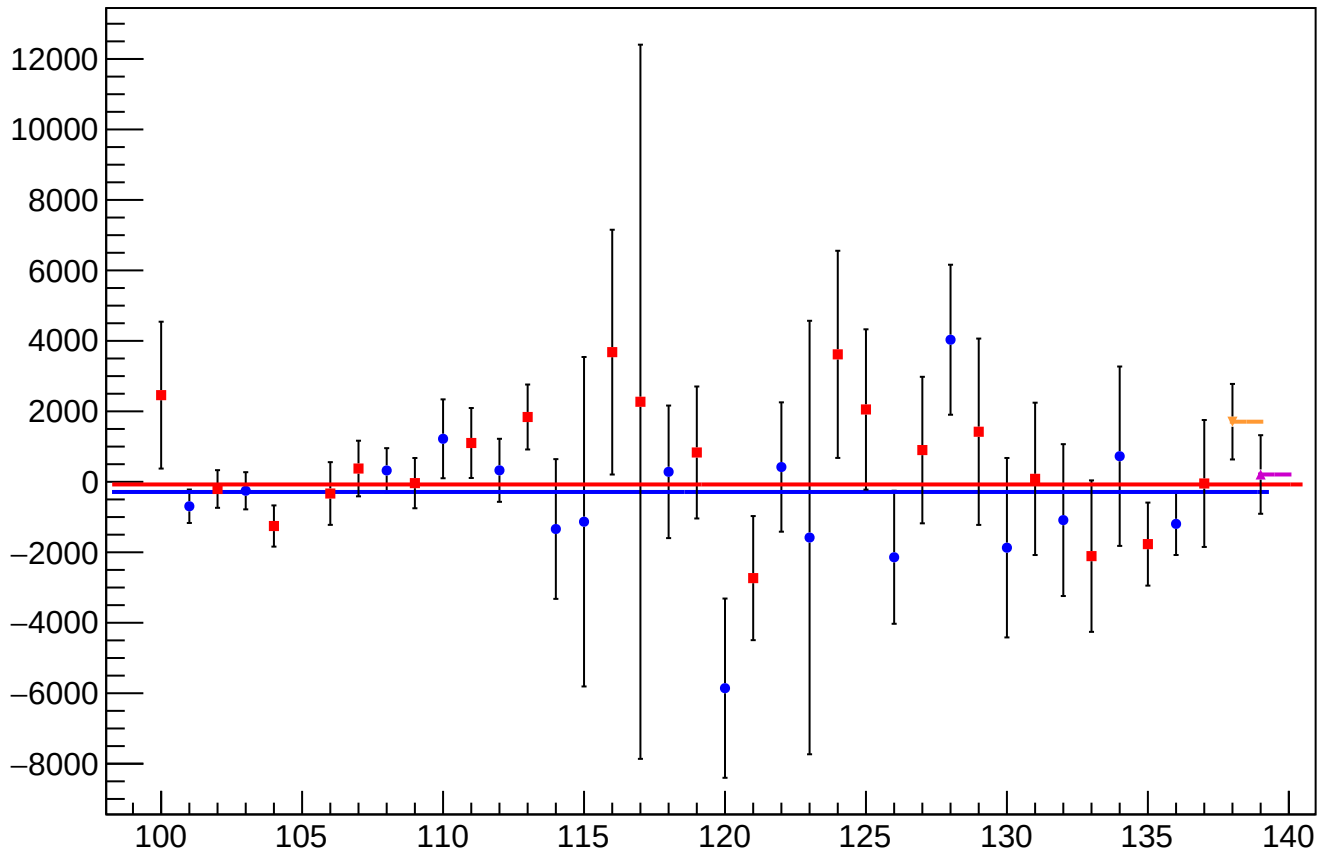
Left In: 868.074 $\pm$ 0.726 χ^2 /NDF: 0.0/0

771.991 $\pm$ 0.214 χ^2 /NDF: 1785667.2/17

740.697 $\pm$ 0.143 χ^2 /NDF: 3602957.7/38

715.376 $\pm$ 0.193 χ^2 /NDF: 1778718.0/20

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: 1706.383+/-1071.778 χ^2/NDF : 0.0/0

Right Out: -74.735+/-246.011 χ^2/NDF : 21.4/19

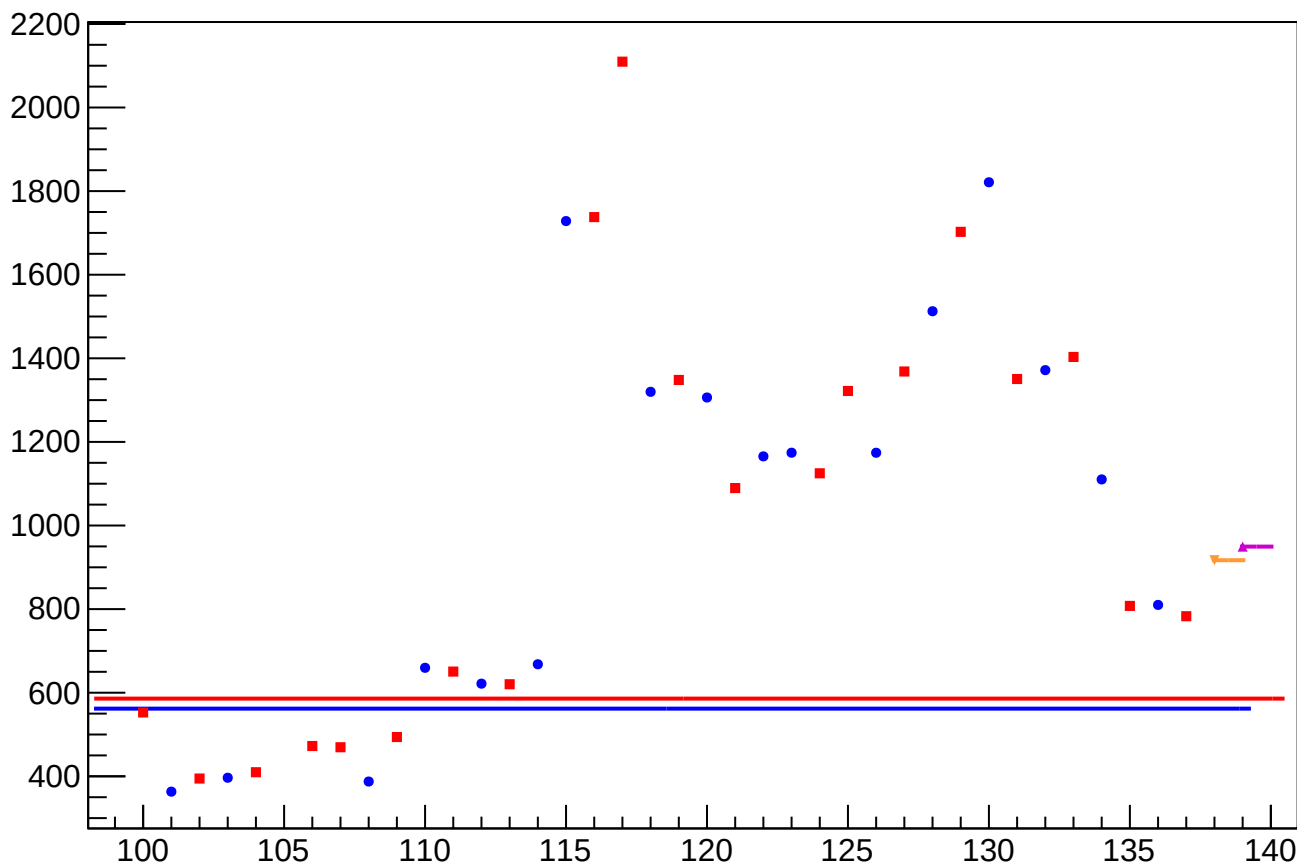
Left In: 208.135+/-1115.070 χ^2/NDF : 0.0/0

-184.782+/-243.867 χ^2/NDF : 19.4/17

-122.269+/-171.141 χ^2/NDF : 41.1/38

-61.605+/-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: 916.949+/-0.758 χ^2/NDF : 0.0/0

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

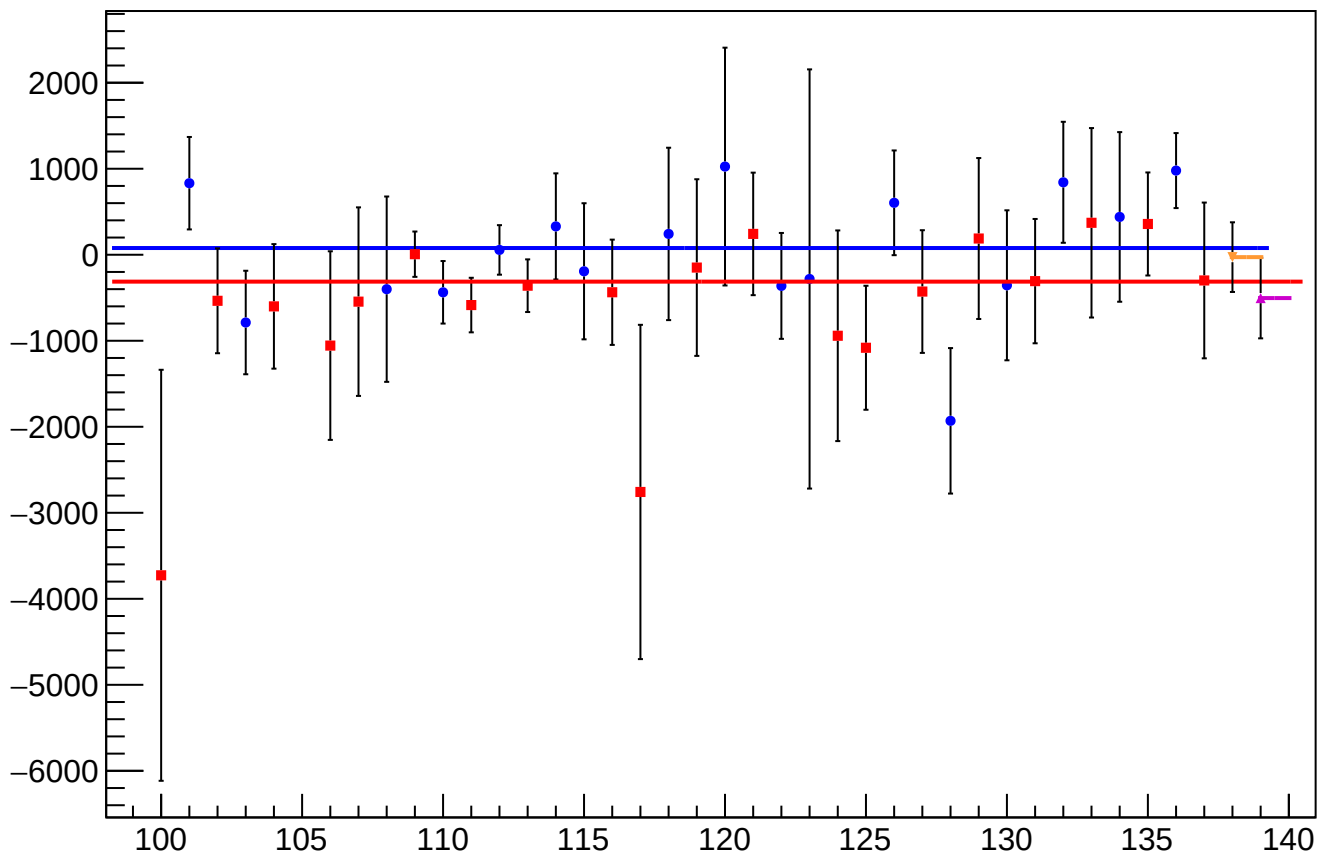
Left In: 949.528+/-0.788 χ^2/NDF : 0.0/0

580.276+/-0.172 χ^2/NDF : 3424777.3/17

591.691+/-0.121 χ^2/NDF : 6505930.5/38

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: -27.745+/-405.009 χ^2/NDF : 0.0/0

Right Out: -312.536+/-129.362 χ^2/NDF : 10.7/19

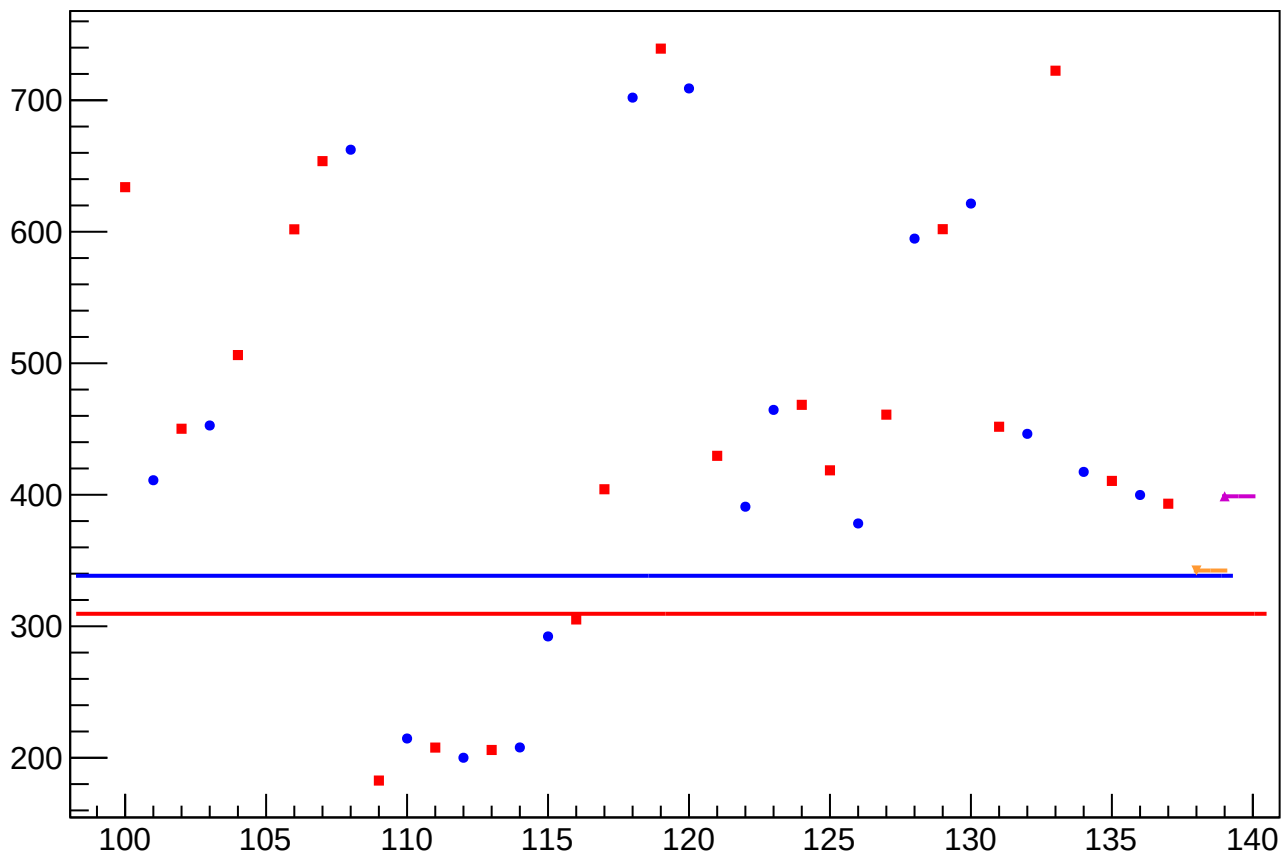
Left In: -503.714+/-468.328 χ^2/NDF : 0.0/0

66.461+/-134.732 χ^2/NDF : 19.8/17

-144.983+/-91.515 χ^2/NDF : 35.2/38

-326.088+/-124.693 χ^2/NDF : 10.8/20

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408+/-0.101 χ^2/NDF : 2009287.1/16

Left Out: 342.411+/-0.286 χ^2/NDF : 0.0/0

Right Out: 309.503+/-0.091 χ^2/NDF : 2738236.3/19

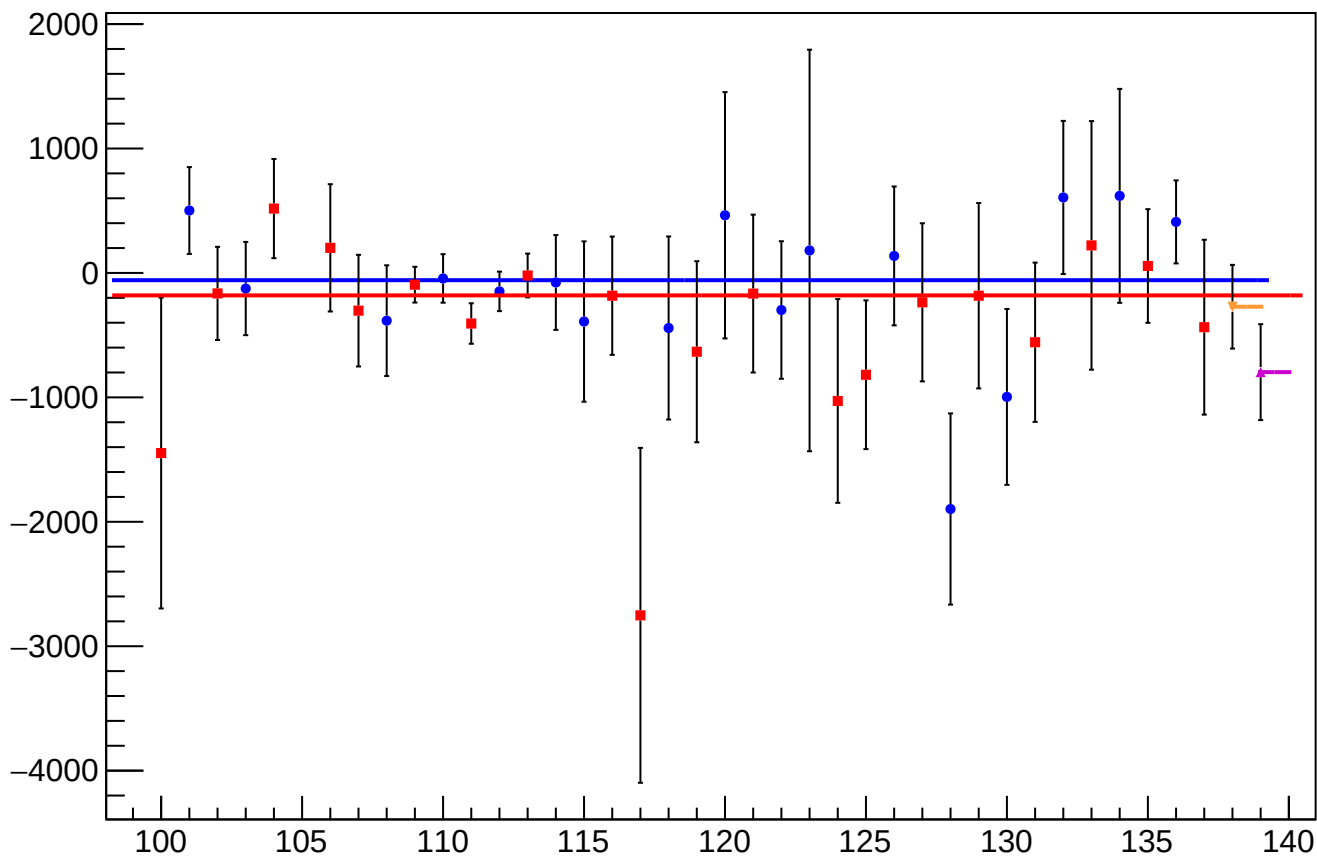
Left In: 398.839+/-0.331 χ^2/NDF : 0.0/0

338.851+/-0.095 χ^2/NDF : 2009460.8/17

326.454+/-0.065 χ^2/NDF : 4846748.6/38

315.836+/-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: -271.502 $\pm$ 336.444 χ^2 /NDF: 0.0/0

Right Out: -180.354 $\pm$ 76.795 χ^2 /NDF: 15.0/19

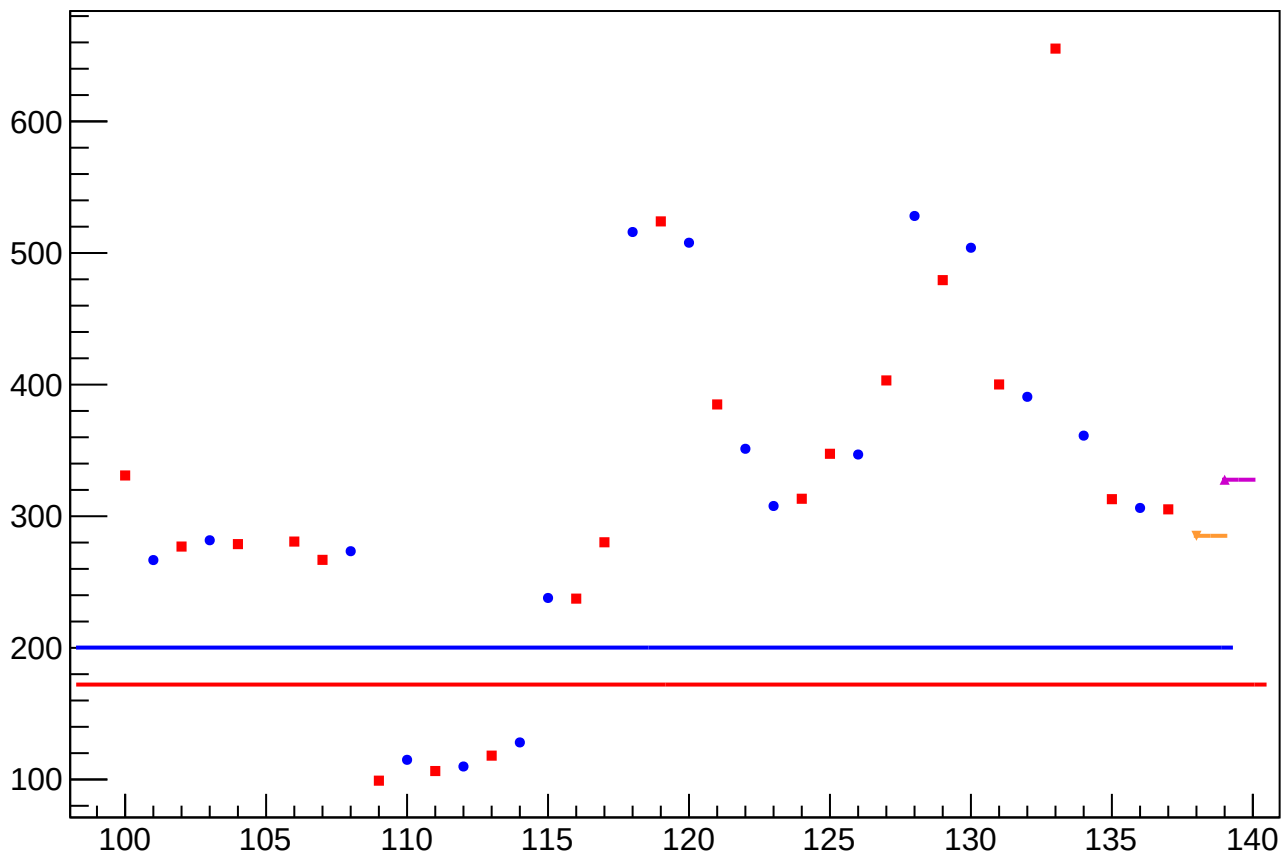
Left In: -797.182 $\pm$ 385.276 χ^2 /NDF: 0.0/0

-72.680 $\pm$ 87.379 χ^2 /NDF: 16.2/17

-147.983 $\pm$ 57.047 χ^2 /NDF: 35.0/38

-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: 285.129+/-0.238 χ^2/NDF : 0.0/0

Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

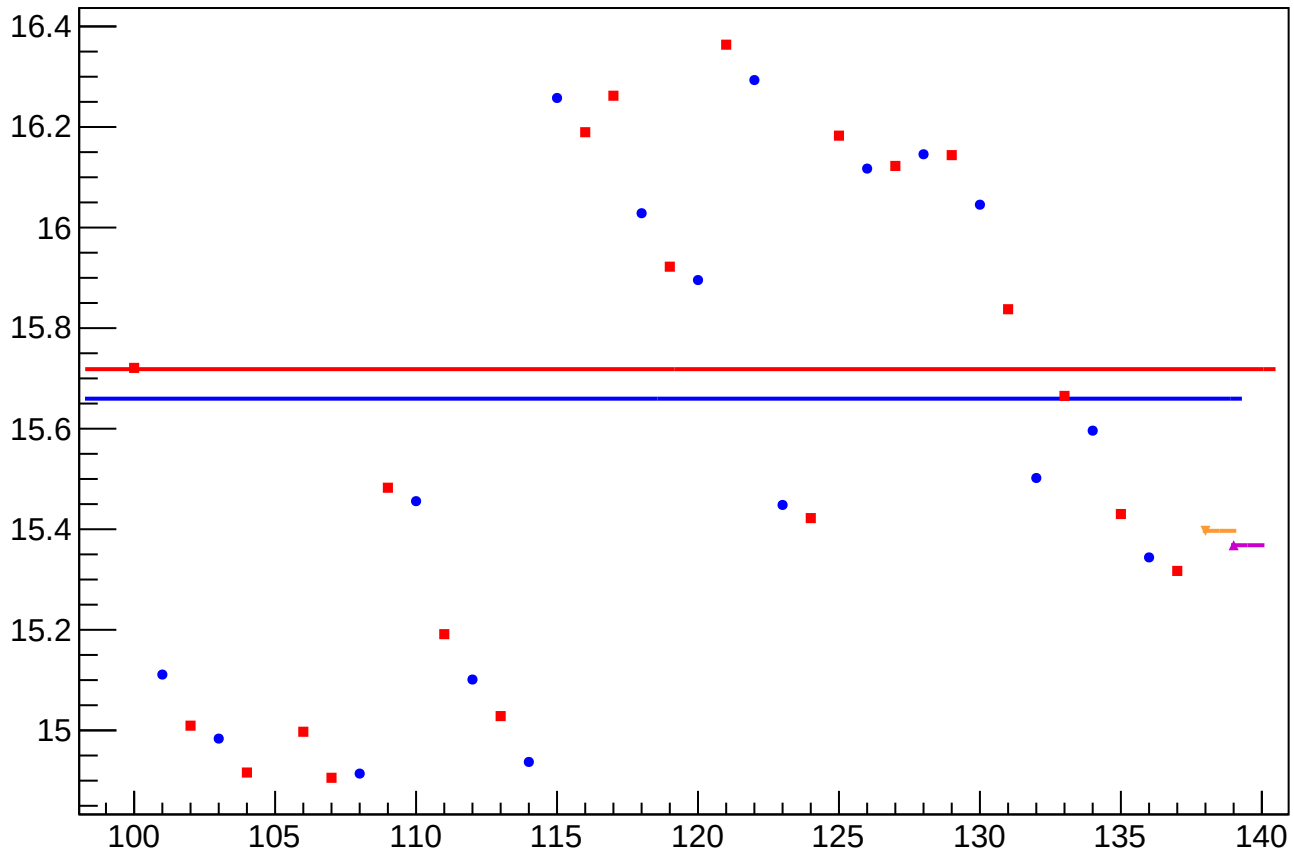
Left In: 327.750+/-0.272 χ^2/NDF : 0.0/0

205.937+/-0.062 χ^2/NDF : 3506021.4/17

189.941+/-0.040 χ^2/NDF : 8043617.8/38

178.057+/-0.053 χ^2/NDF : 4420779.2/20

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.397 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

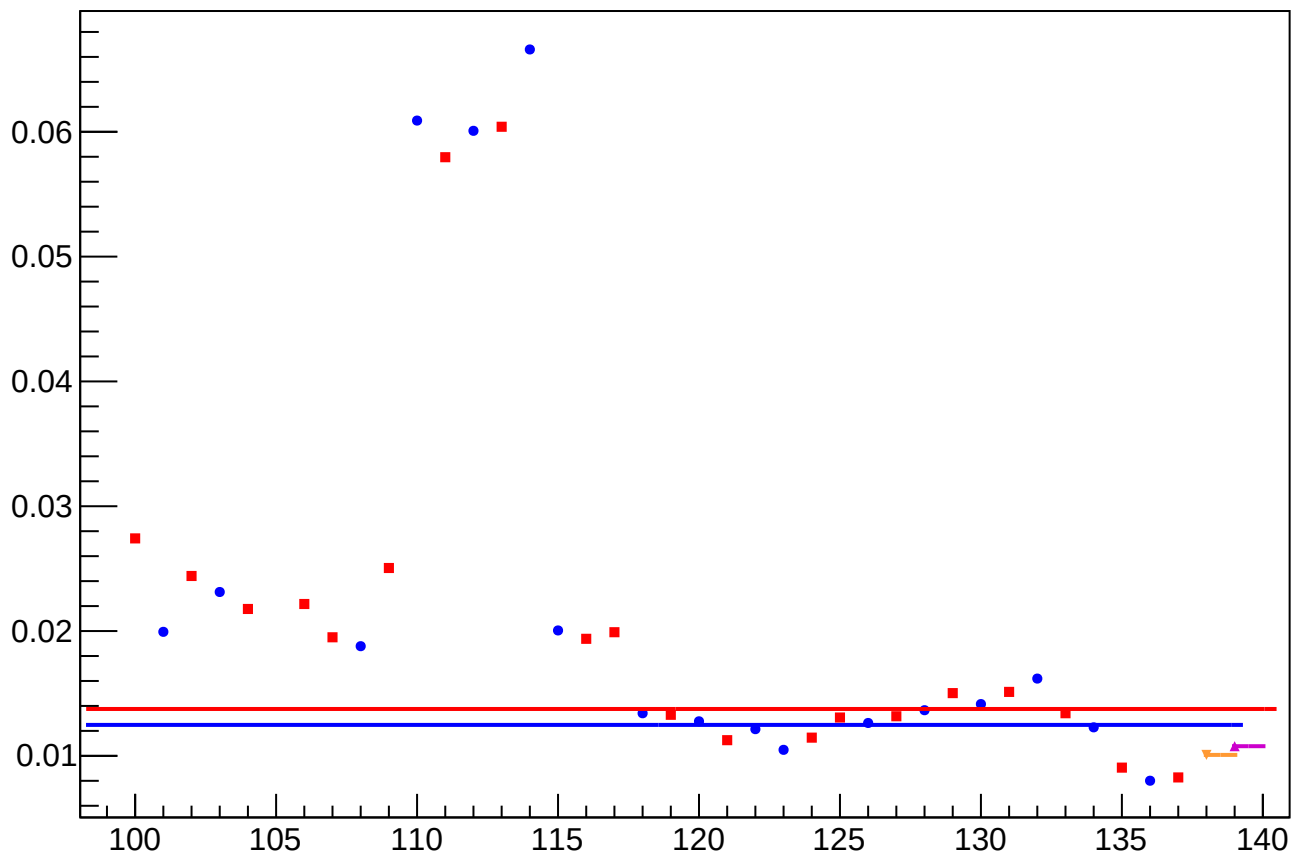
Left In: 15.368 $\pm$ 0.000 χ^2 /NDF: 0.0/0

15.615 $\pm$ 0.000 χ^2 /NDF: 6170276053.7/17

15.635 $\pm$ 0.000 χ^2 /NDF: 12310670778.4/18

15.658 $\pm$ 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:0.0/0

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

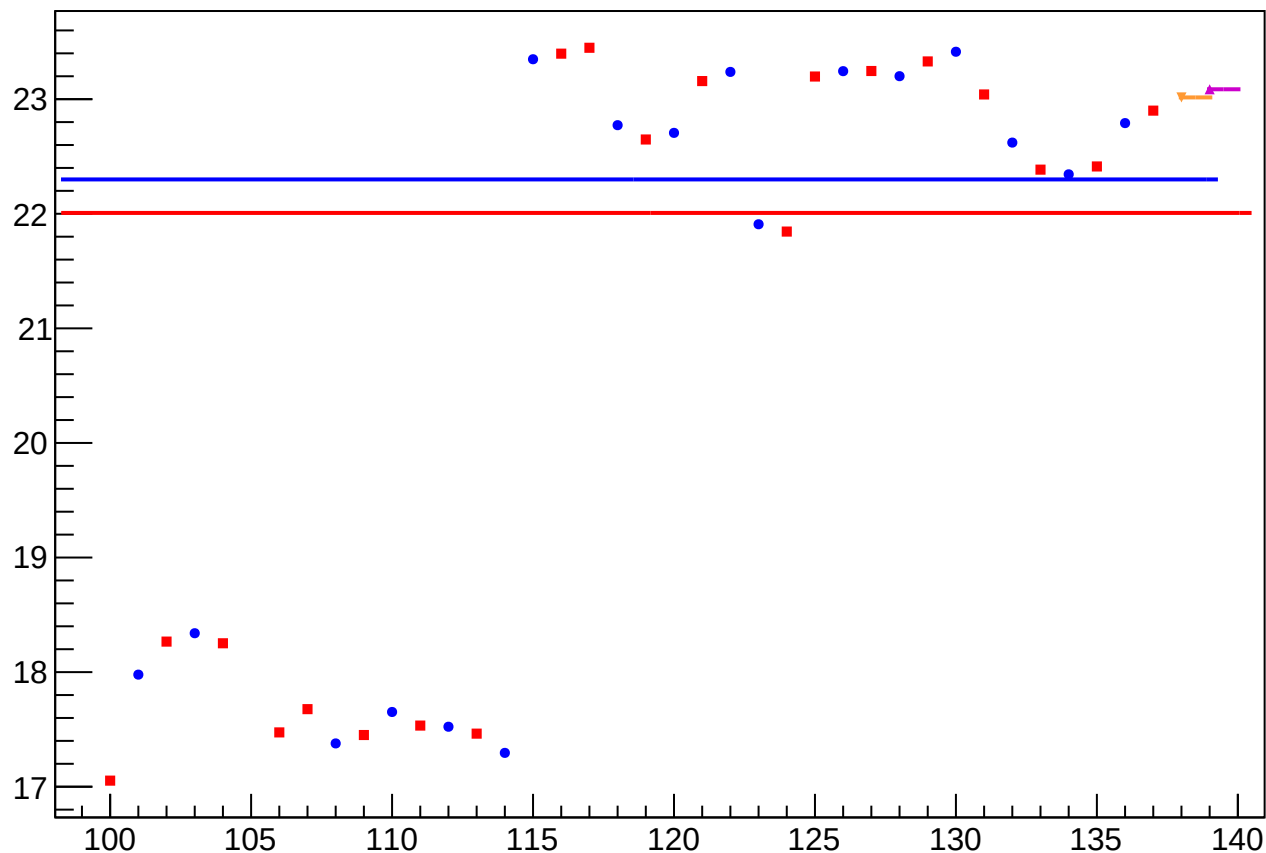
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.012 $\pm$ 0.000 χ^2 /NDF: 2217778.7/17

0.013 $\pm$ 0.000 χ^2 /NDF: 4442856.9/38

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: 23.015+/-0.000 χ^2/NDF : 0.0/0

Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

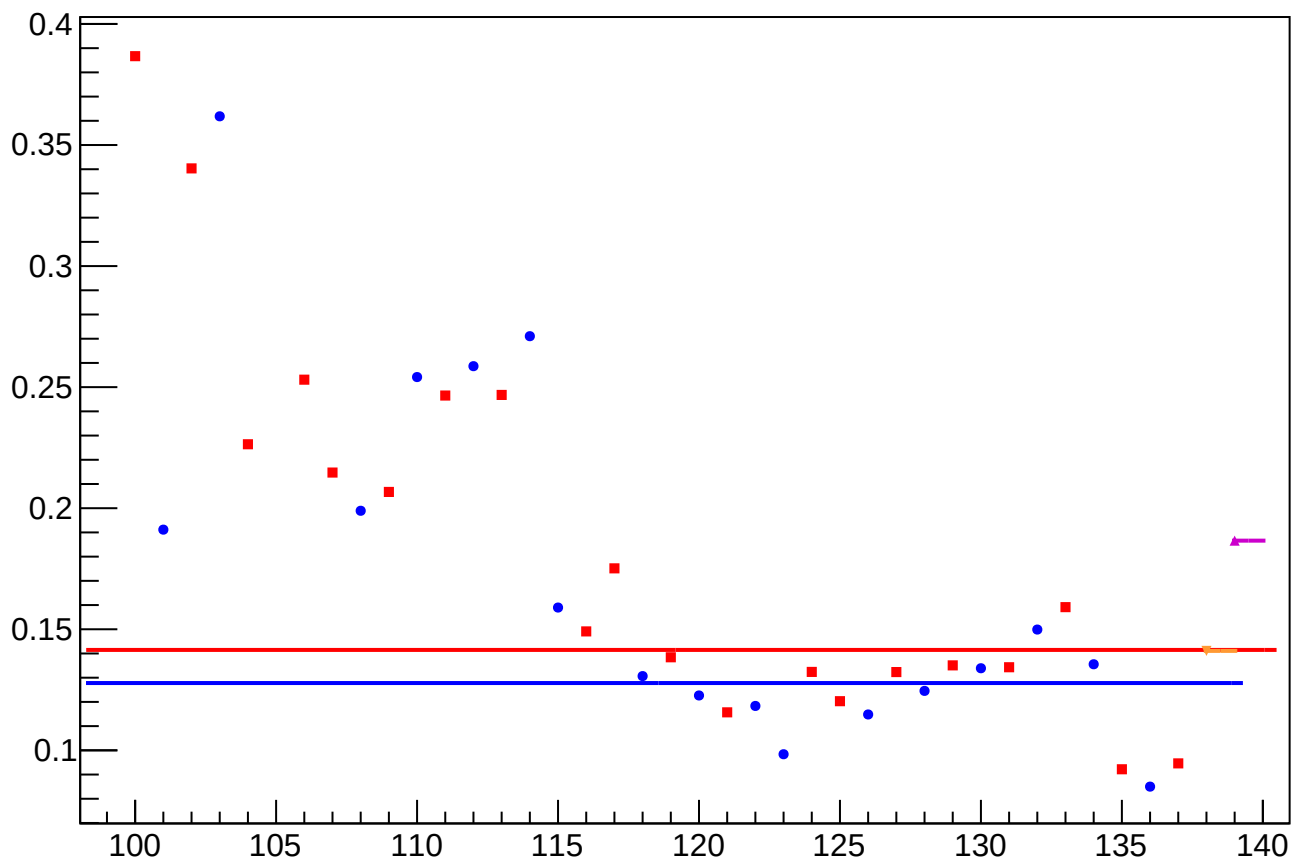
Left In: 23.086+/-0.000 χ^2/NDF : 0.0/0

22.367+/-0.000 χ^2/NDF : 953314941.3/17

22.234+/-0.000 χ^2/NDF : 2057318058.1/3

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: 0.141+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

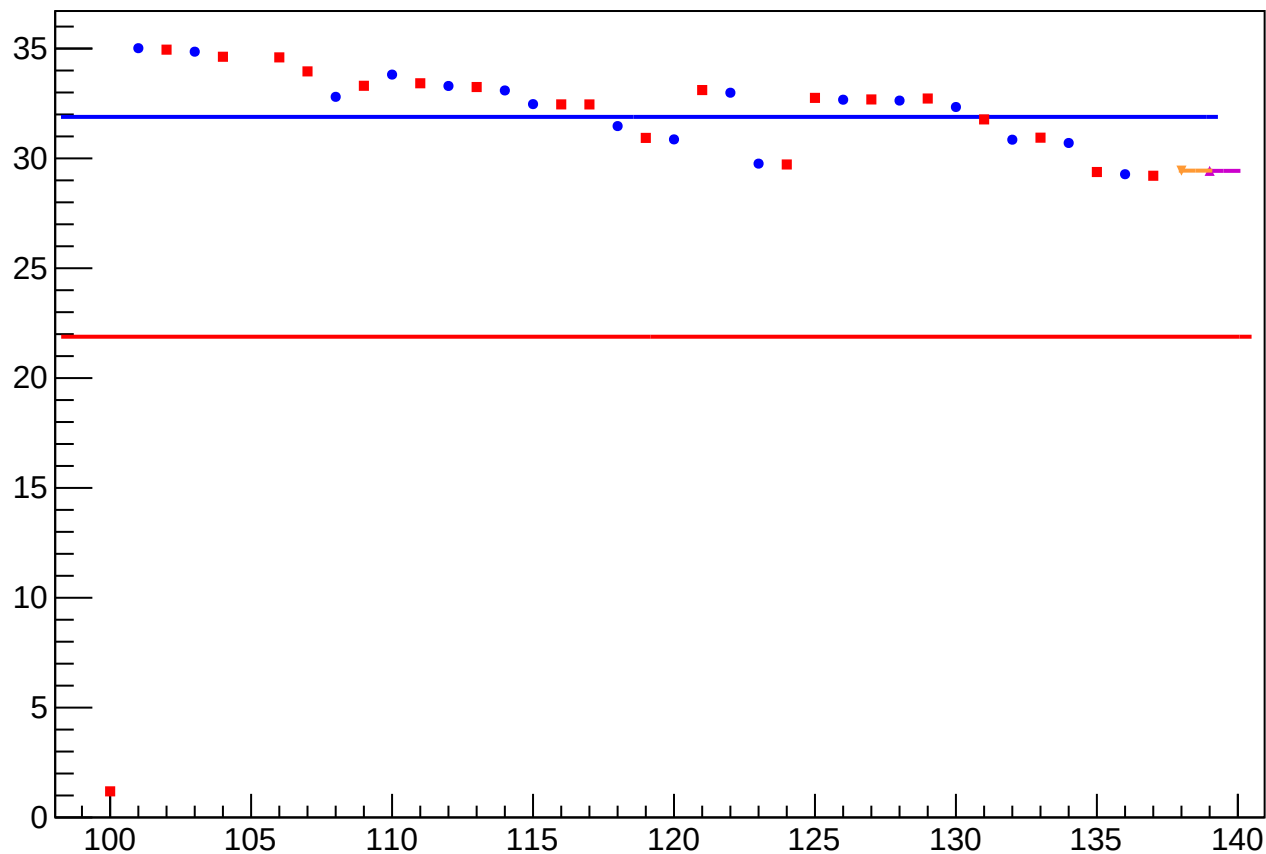
Left In: 0.187+/-0.000 χ^2/NDF : 0.0/0

0.129+/-0.000 χ^2/NDF : 1502375.3/17

0.136+/-0.000 χ^2/NDF : 3110130.5/38

0.145+/-0.000 χ^2/NDF : 1530632.4/20

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889 $\pm$ 0.000 χ^2 /NDF: 1930403776.3/16

Left Out: 29.443 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 21.883 $\pm$ 0.000 χ^2 /NDF: 230247118310.5/19

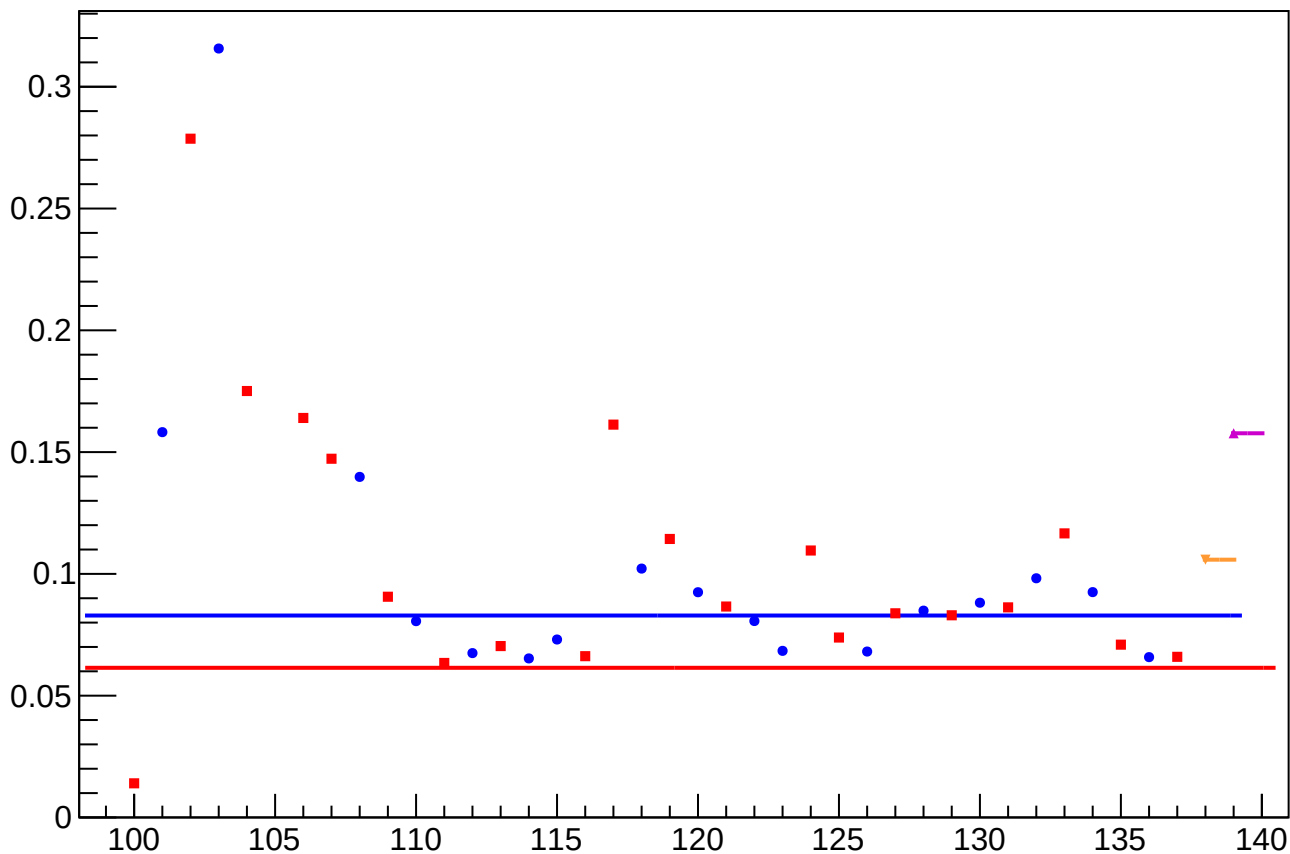
Left In: 29.433 $\pm$ 0.000 χ^2 /NDF: 0.0/0

31.728 $\pm$ 0.000 χ^2 /NDF: 2210925982.3/17

26.044 $\pm$ 0.000 χ^2 /NDF: 275899731201.5

22.082 $\pm$ 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: 0.106 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3635656.2/19

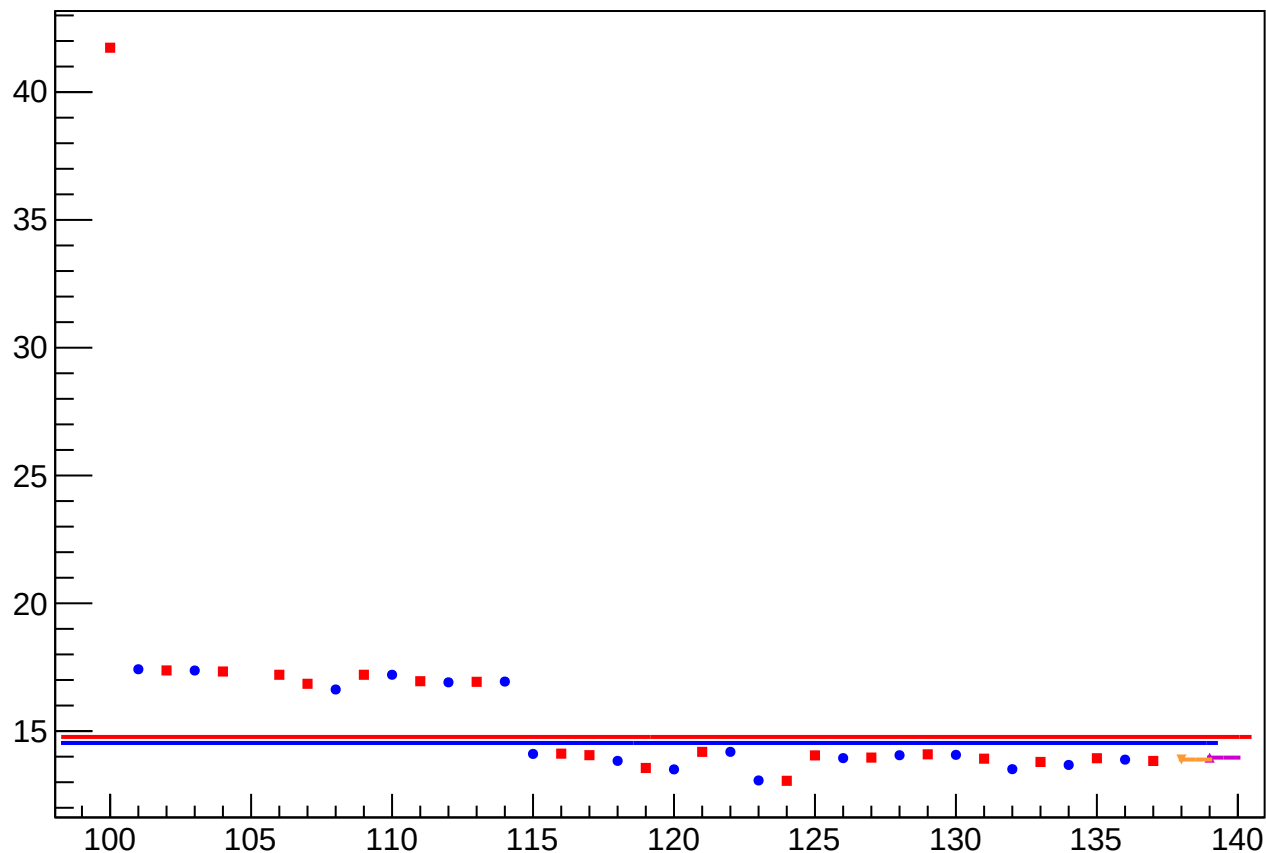
Left In: 0.158 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.084 $\pm$ 0.000 χ^2 /NDF: 1213731.1/17

0.072 $\pm$ 0.000 χ^2 /NDF: 5745150.5/38

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: 13.888+/-0.000 χ^2/NDF : 0.0/0

Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

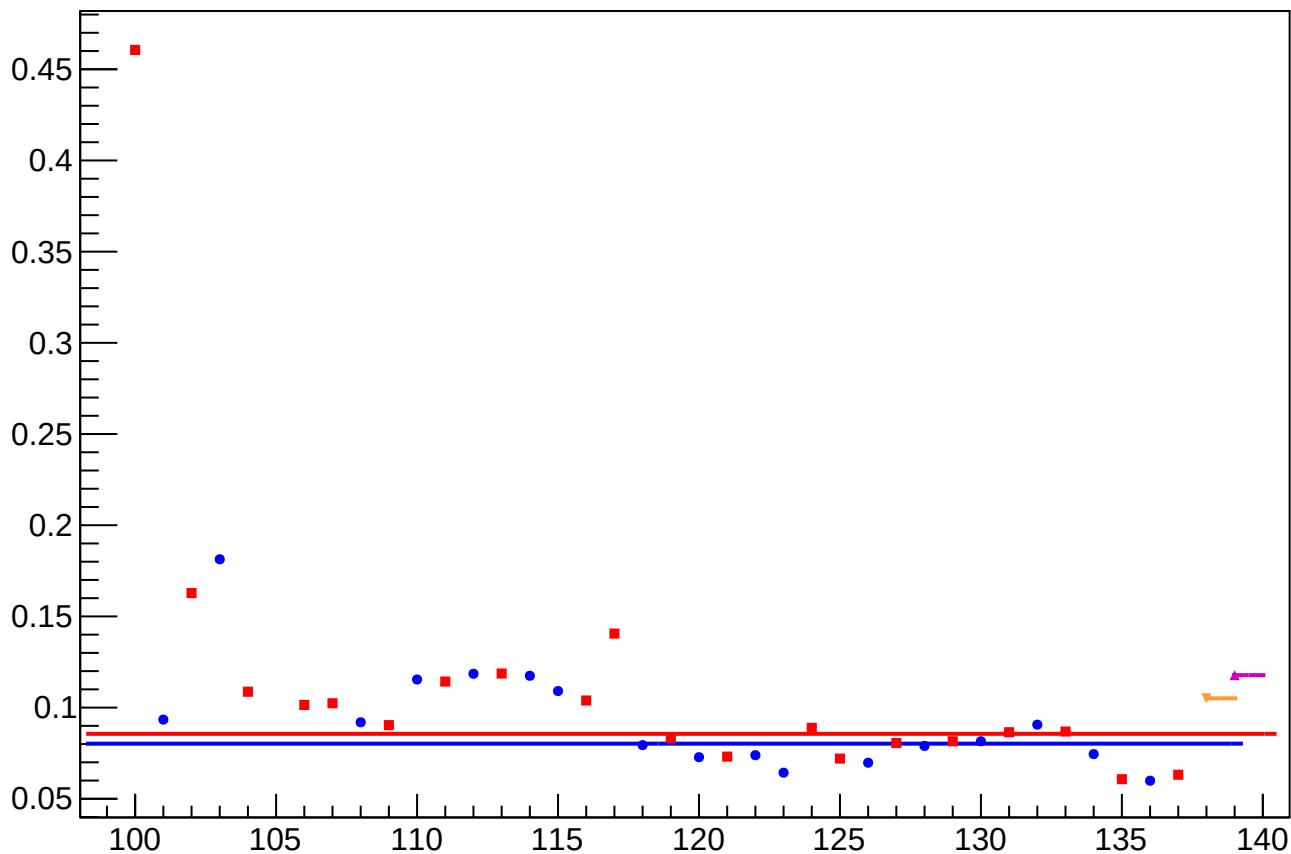
Left In: 13.963+/-0.000 χ^2/NDF : 0.0/0

14.494+/-0.000 χ^2/NDF : 1493360775.9/17

14.605+/-0.000 χ^2/NDF : 3435803493.2/3

14.724+/-0.000 χ^2/NDF : 1919149672.1/20

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080 $\pm$ 0.000 χ^2 /NDF: 778734.5/16

Left Out: 0.105 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.086 $\pm$ 0.000 χ^2 /NDF: 750289.2/19

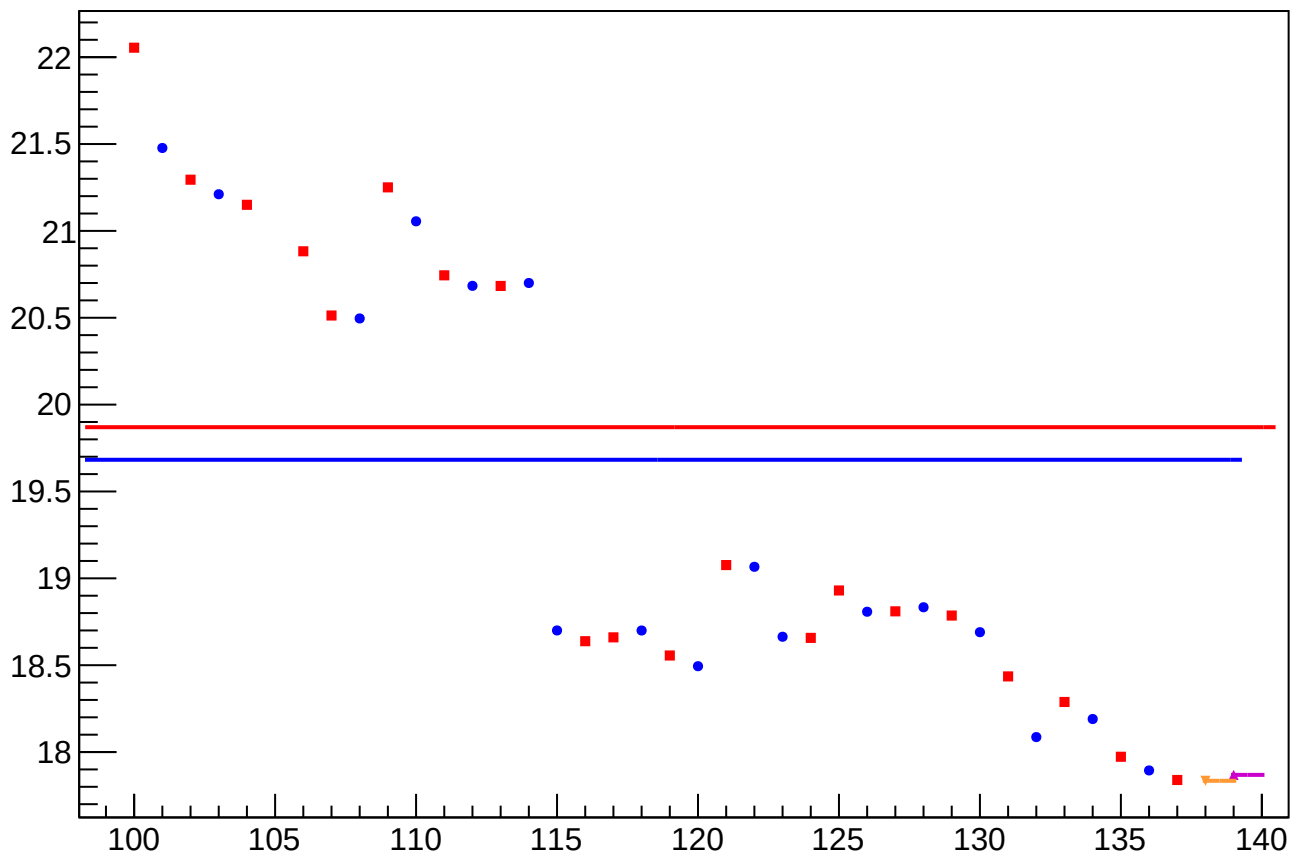
Left In: 0.118 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.082 $\pm$ 0.000 χ^2 /NDF: 845989.4/17

0.085 $\pm$ 0.000 χ^2 /NDF: 1724454.3/38

0.088 $\pm$ 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: 17.835+/-0.000 χ^2/NDF : 0.0/0

Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

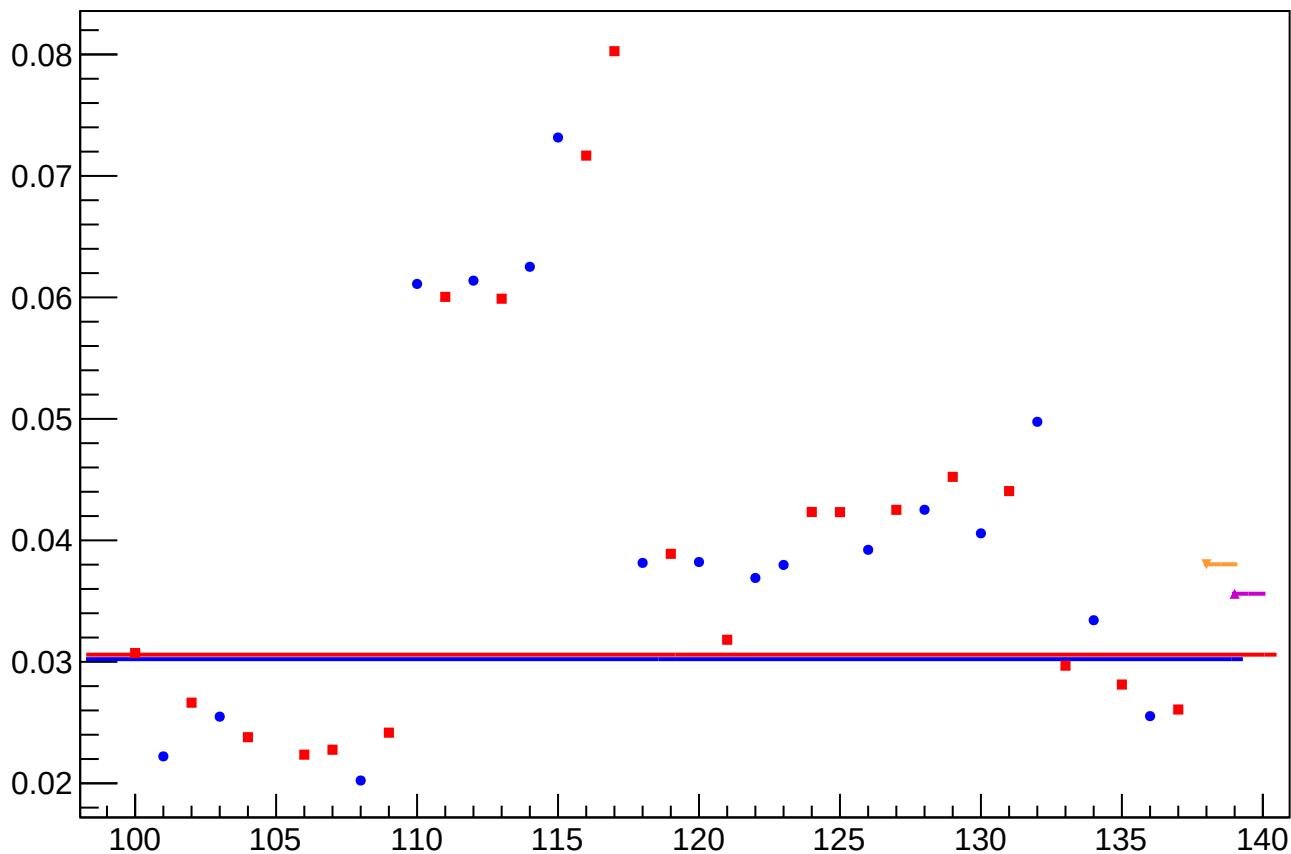
Left In: 17.869+/-0.000 χ^2/NDF : 0.0/0

19.547+/-0.000 χ^2/NDF : 13805691709.3/17

19.630+/-0.000 χ^2/NDF : 27259552417.4/17

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: 0.038+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

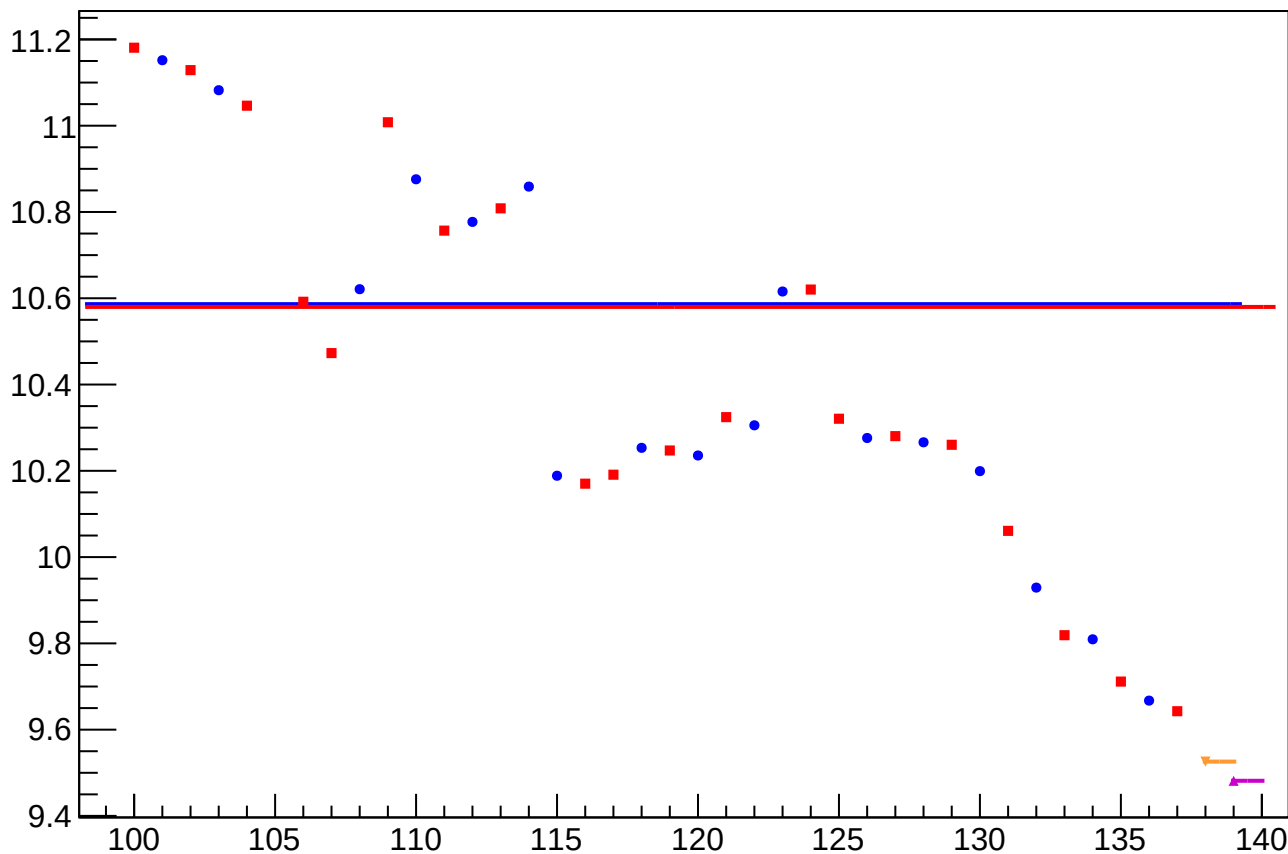
Left In: 0.036+/-0.000 χ^2/NDF : 0.0/0

0.031+/-0.000 χ^2/NDF : 1379128.0/17

0.031+/-0.000 χ^2/NDF : 2624137.5/38

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: 9.526 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5769007164.9/19

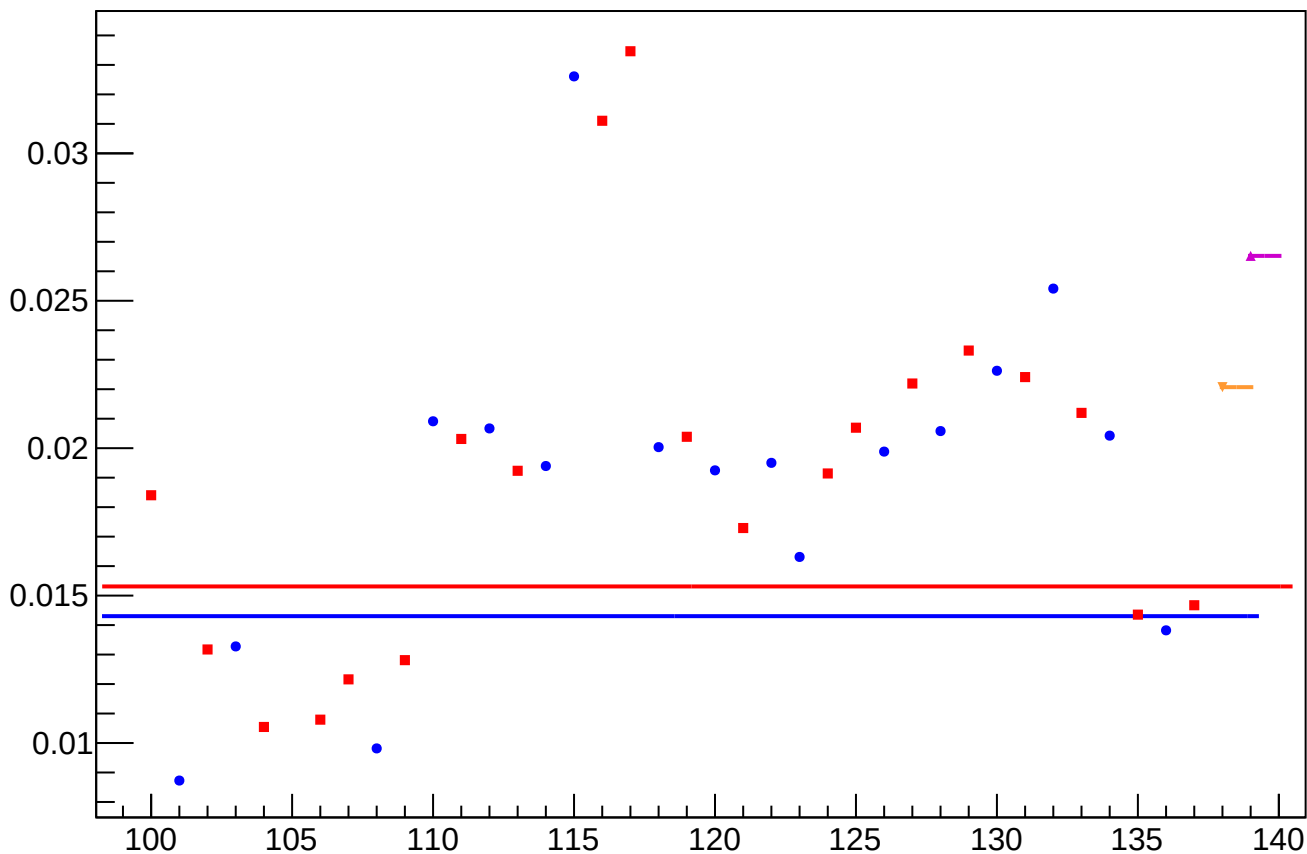
Left In: 9.481 $\pm$ 0.000 χ^2 /NDF: 0.0/0

10.533 $\pm$ 0.000 χ^2 /NDF: 8894452166.0/17

10.535 $\pm$ 0.000 χ^2 /NDF: 15848589293.2/17

10.537 $\pm$ 0.000 χ^2 /NDF: 6953888922.7/20

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.022 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1011477.2/19

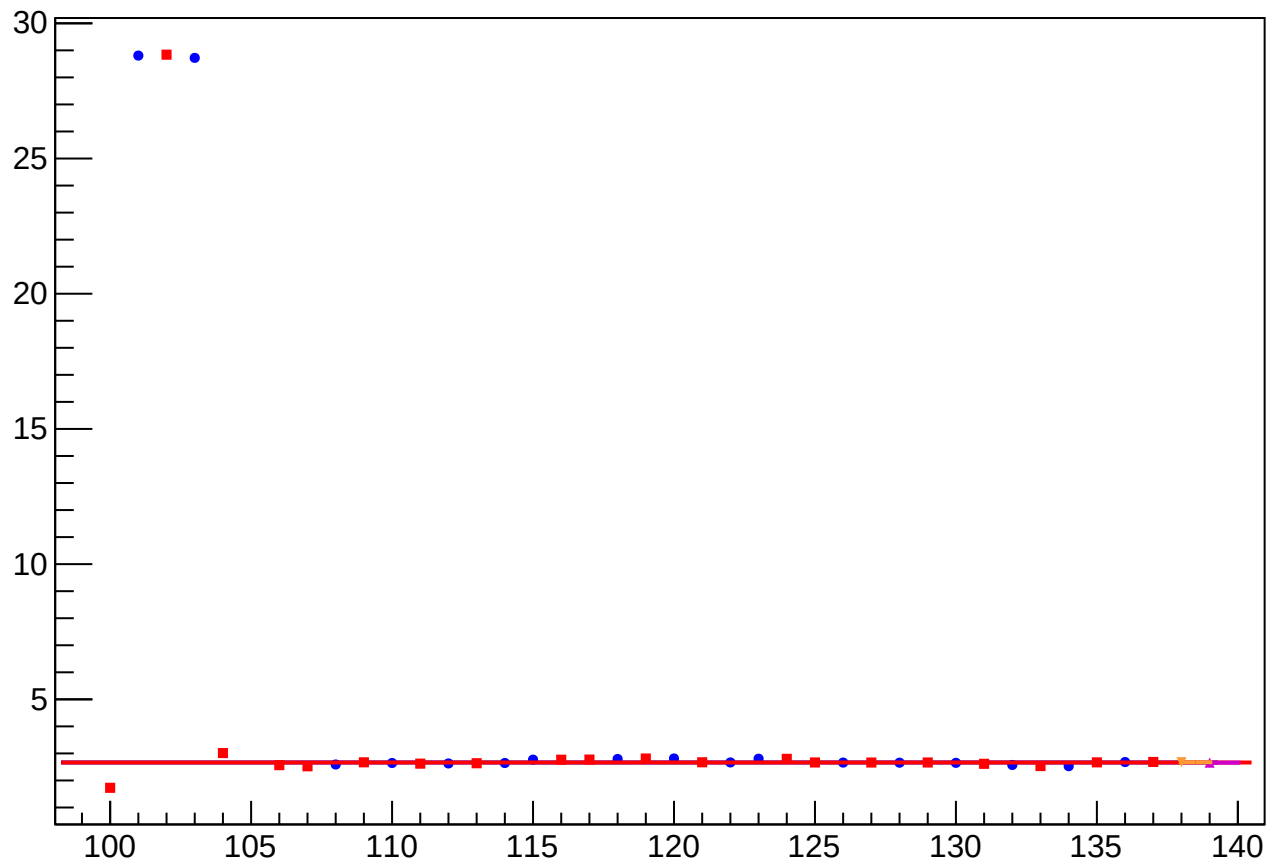
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.015 $\pm$ 0.000 χ^2 /NDF: 1566223.2/17

0.015 $\pm$ 0.000 χ^2 /NDF: 2854331.9/38

0.016 $\pm$ 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: 2.674+/-0.000 χ^2/NDF : 0.0/0

Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

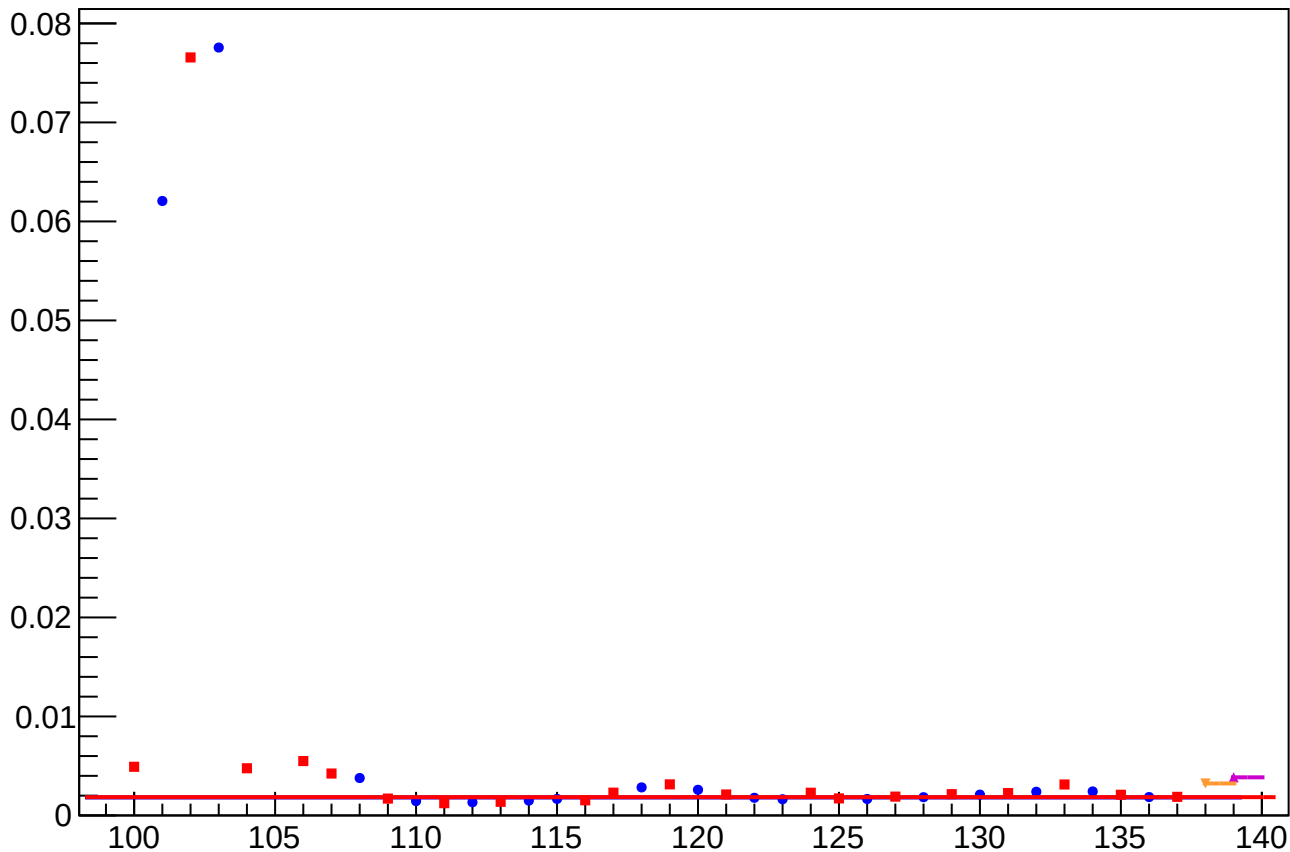
Left In: 2.658+/-0.000 χ^2/NDF : 0.0/0

2.666+/-0.000 χ^2/NDF : 163171122529.8/17

2.665+/-0.000 χ^2/NDF : 233661161587.3/17

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 : 0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

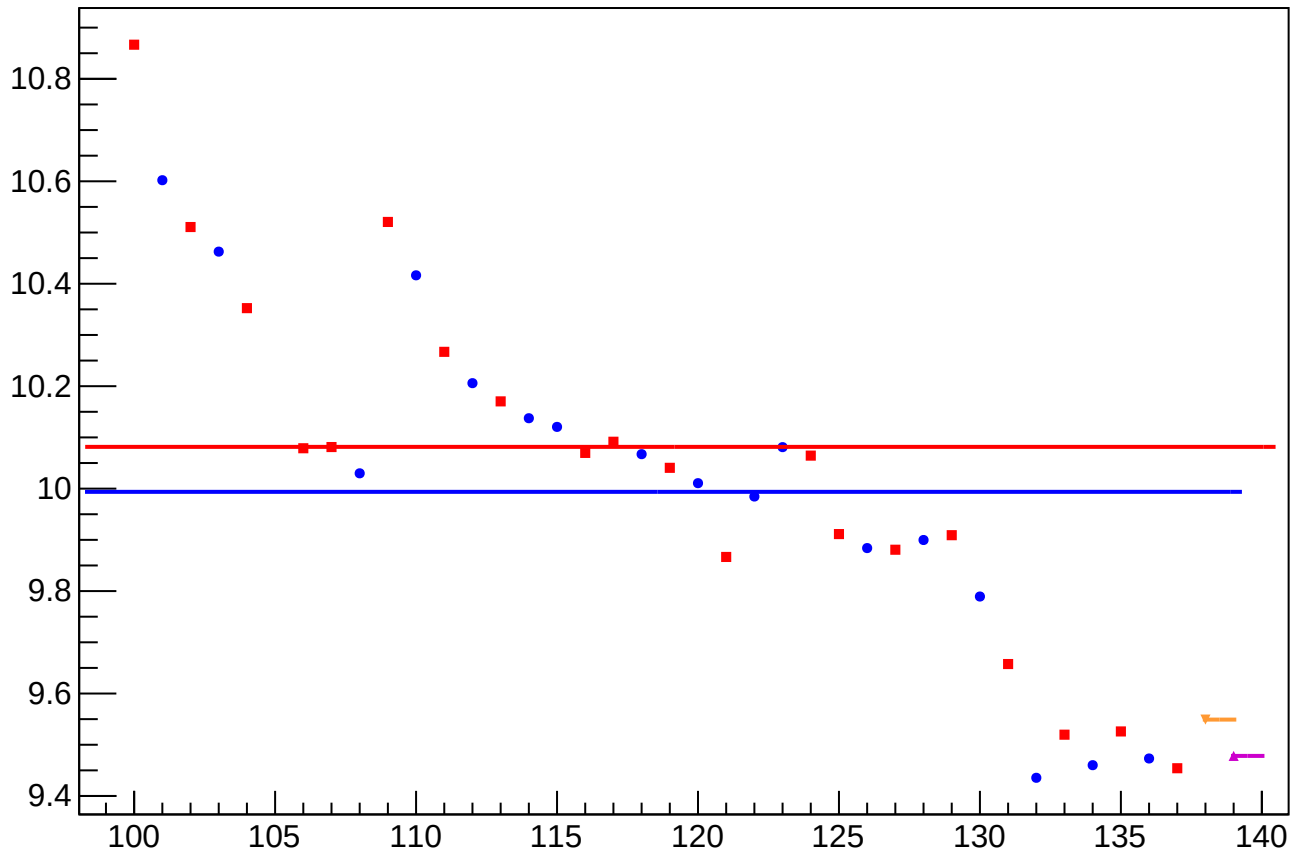
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 2886653.1/17

0.002+/-0.000 χ^2/NDF : 5588493.8/38

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: 9.549 $\pm$ 0.000 χ^2 /NDF: 0.0/0

9.981 $\pm$ 0.000 χ^2 /NDF: 19853892932.9/17

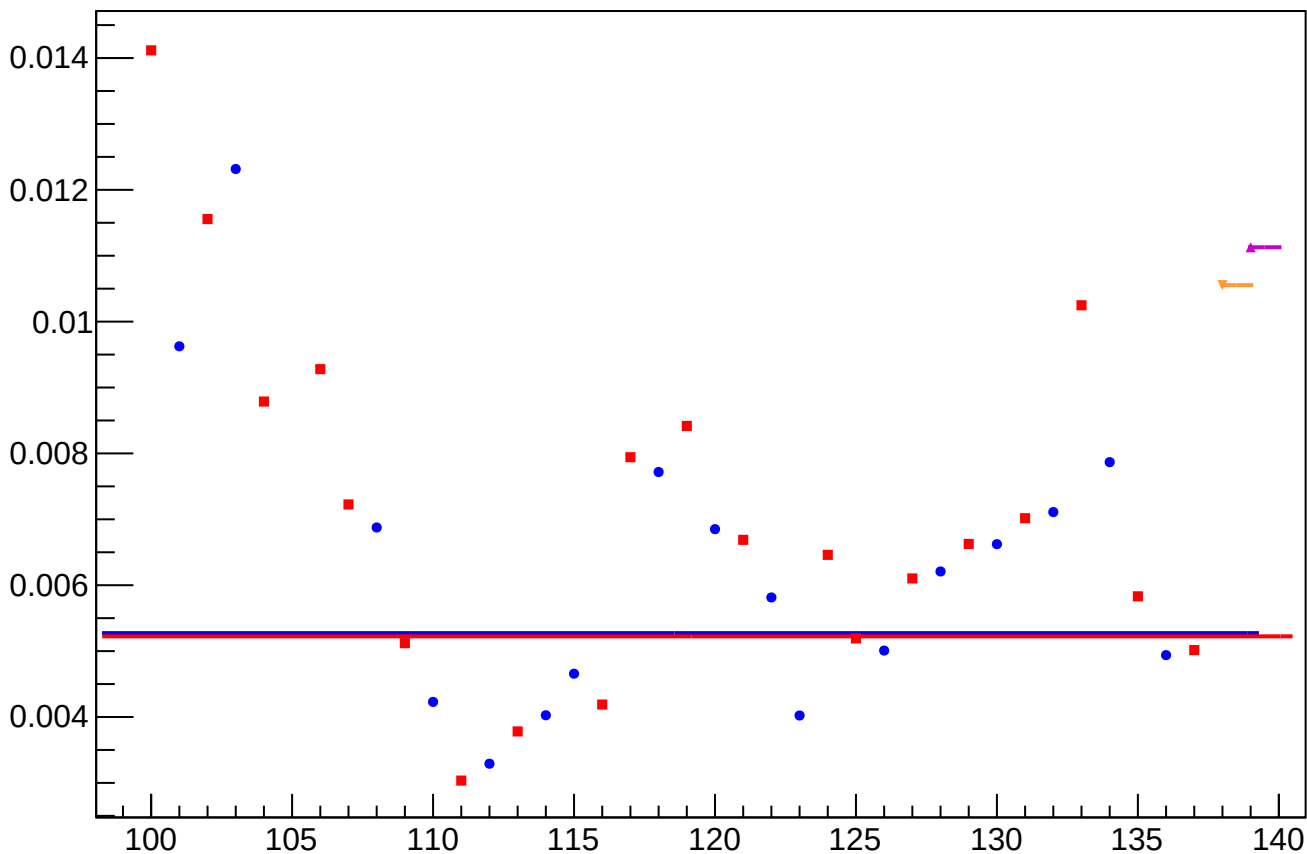
10.024 $\pm$ 0.000 χ^2 /NDF: 37978618090.2/17

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502760782.3/19

10.065 $\pm$ 0.000 χ^2 /NDF: 17447051140.1/20

Left In: 9.478 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.011+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

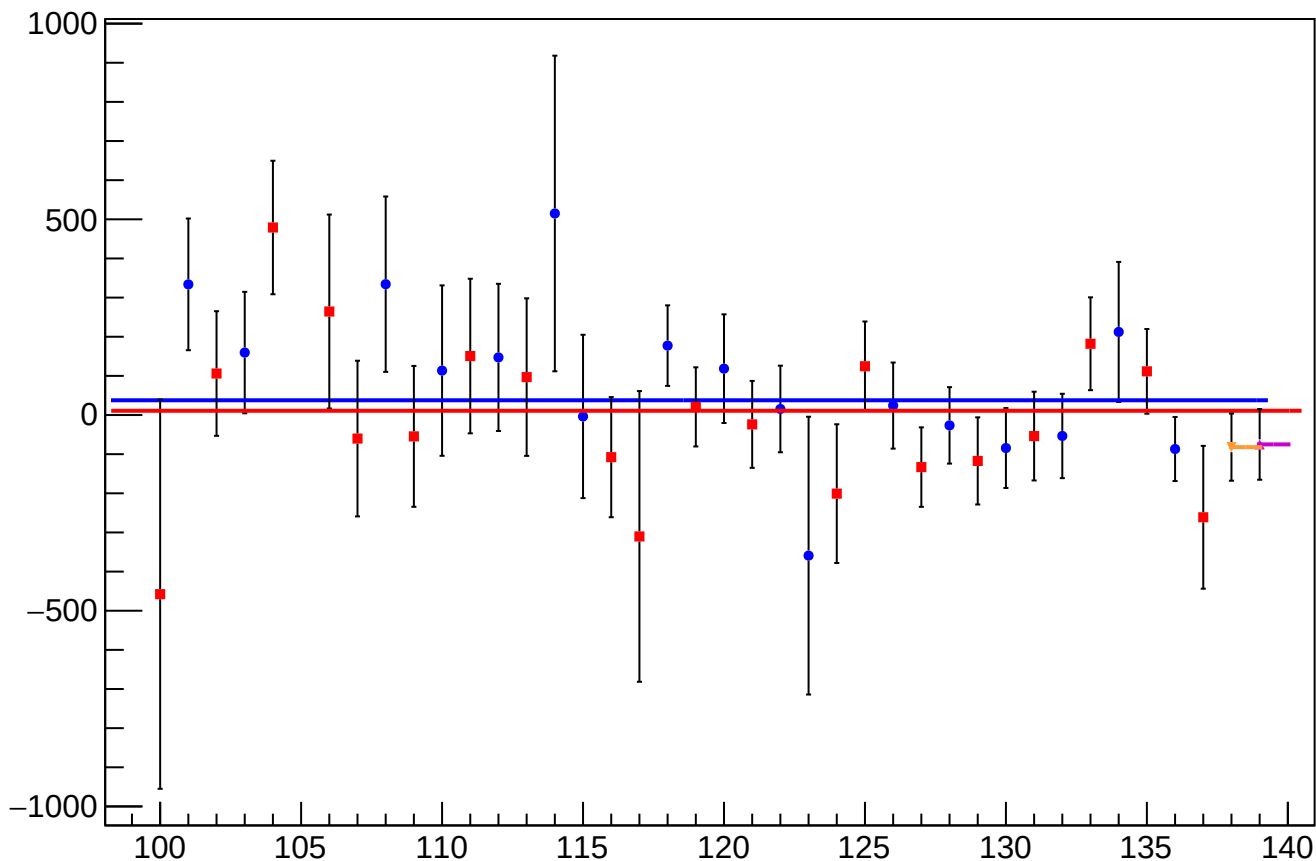
Left In: 0.011+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 1538453.1/17

0.005+/-0.000 χ^2/NDF : 3578759.0/38

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: -82.013 $\pm$ 85.825 χ^2 /NDF: 0.0/0

Right Out: 10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

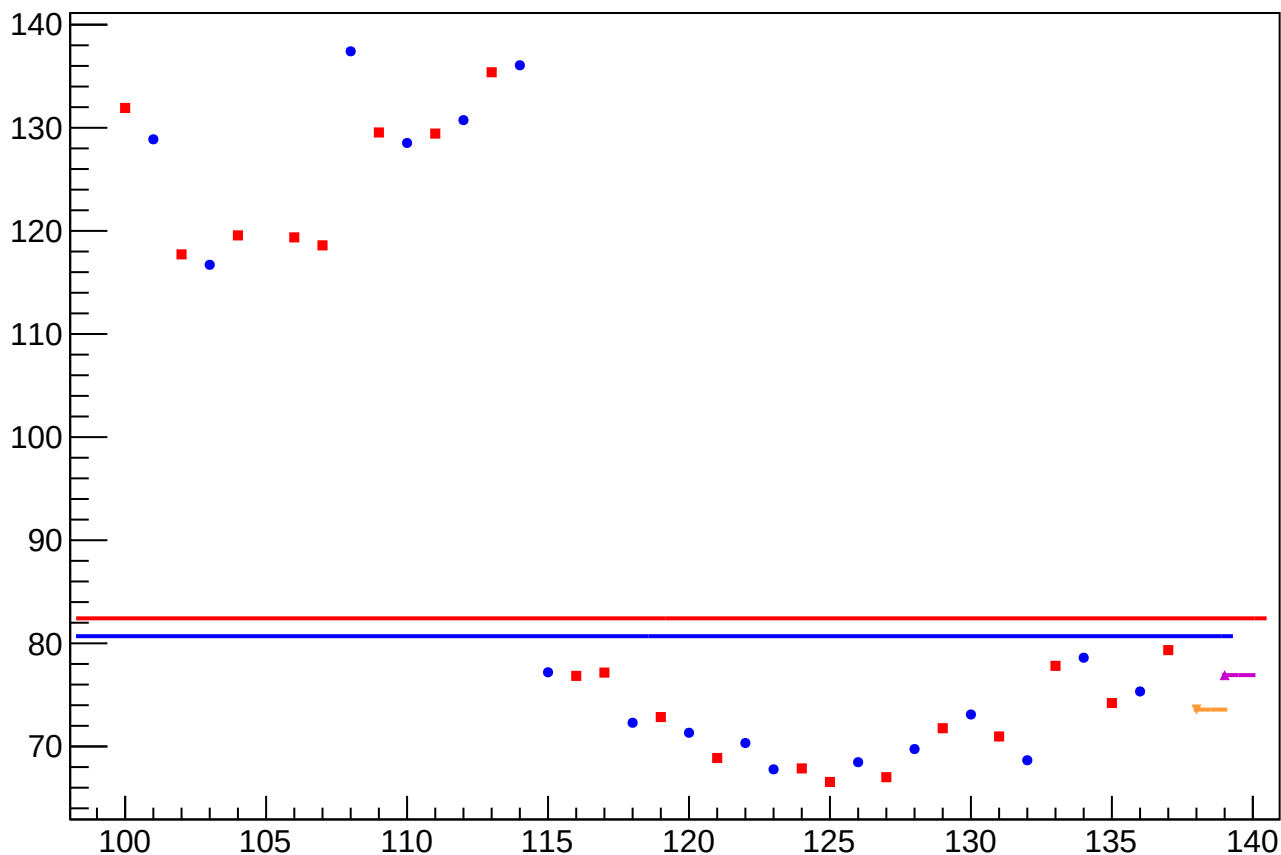
Left In: -75.052 $\pm$ 90.294 χ^2 /NDF: 0.0/0

22.880 $\pm$ 30.192 χ^2 /NDF: 18.4/17

12.075 $\pm$ 21.323 χ^2 /NDF: 42.9/38

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: 73.575 $\pm$ 0.061 χ^2 /NDF: 0.0/0

Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

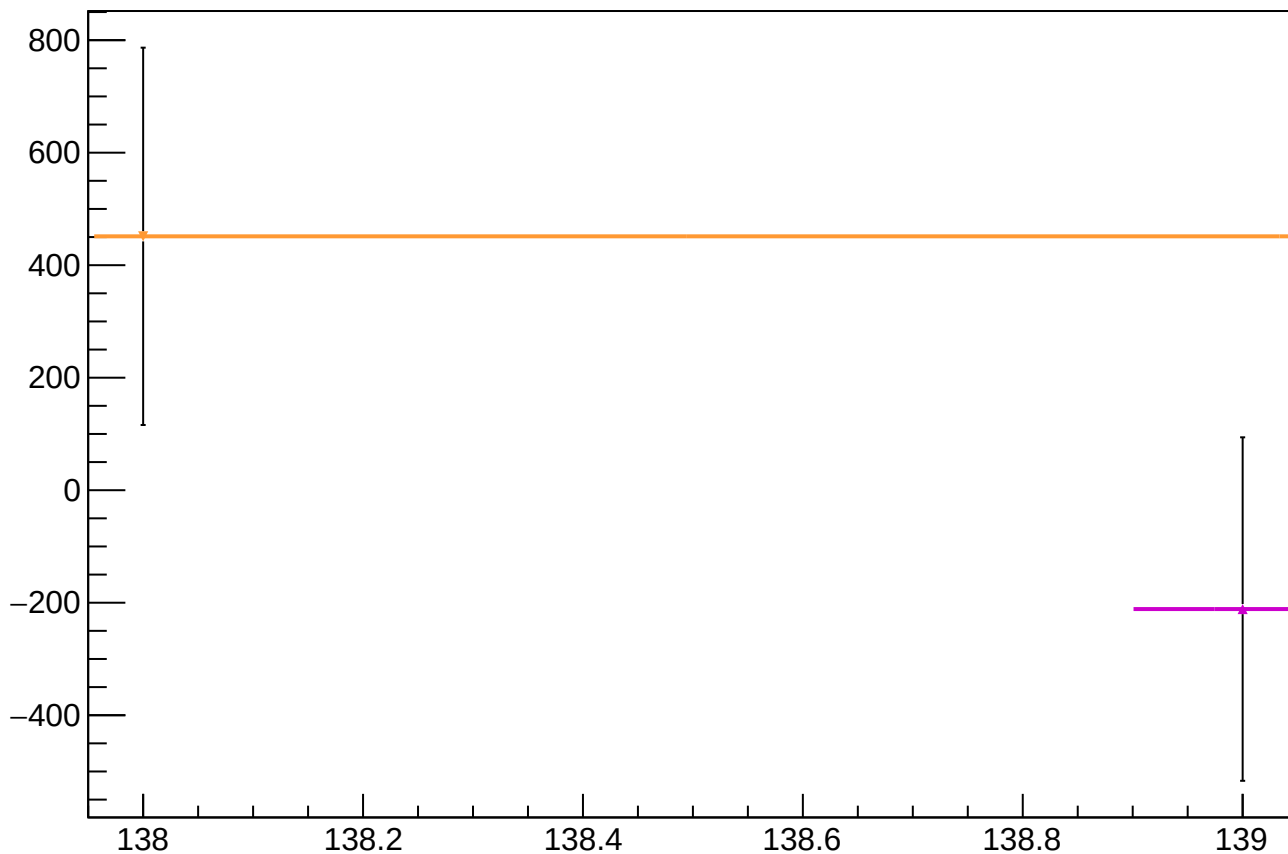
Left In: 76.920 $\pm$ 0.064 χ^2 /NDF: 0.0/0

79.813 $\pm$ 0.021 χ^2 /NDF: 826086.3/17

80.815 $\pm$ 0.015 χ^2 /NDF: 1752368.5/38

81.812 $\pm$ 0.021 χ^2 /NDF: 921888.8/20

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 451.300 $\pm$ 335.371 χ^2/NDF : 0.0/0

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

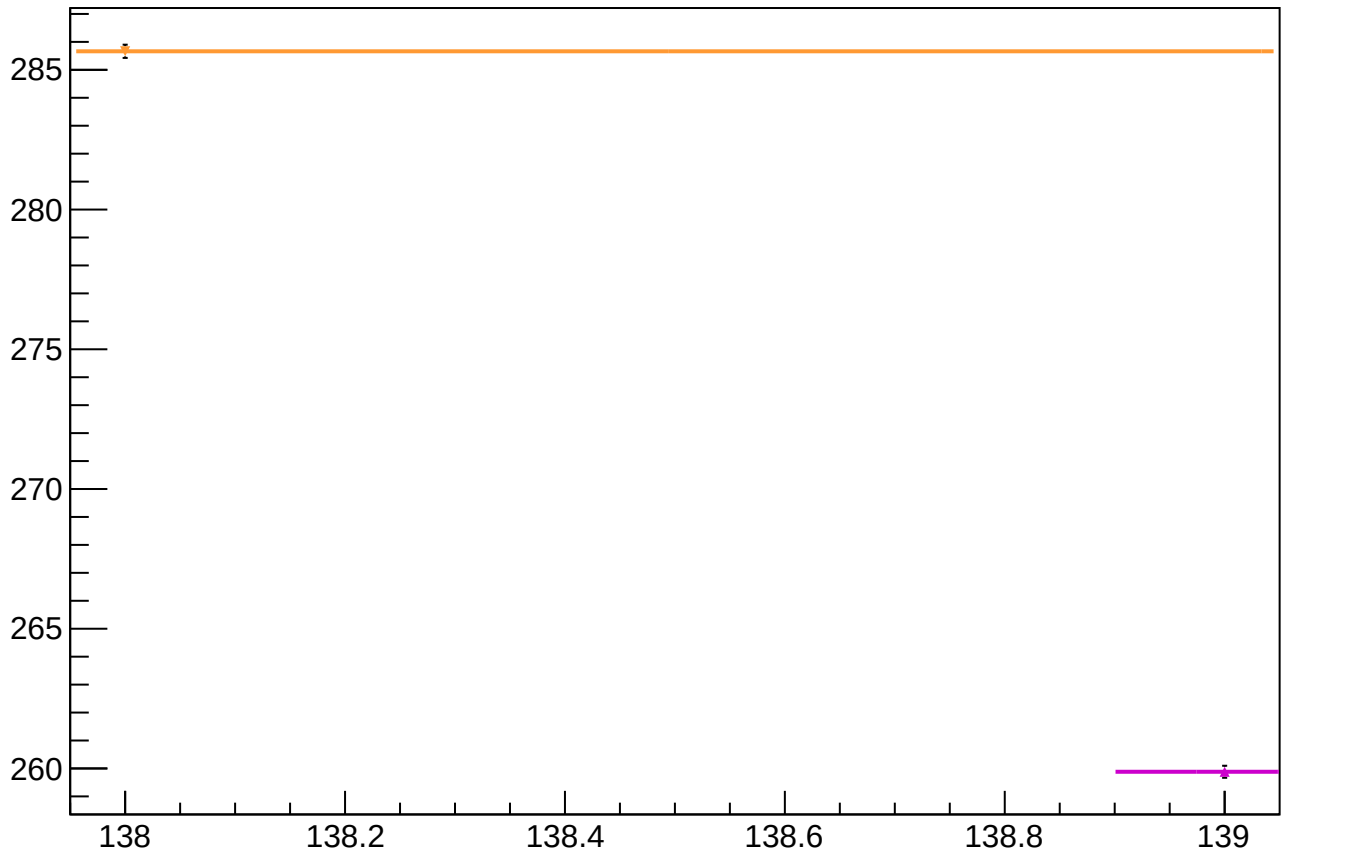
Left In: -211.272 $\pm$ 305.290 χ^2/NDF : 0.0/0

451.300 $\pm$ 335.371 χ^2/NDF : 0.0/0

88.973 $\pm$ 225.760 χ^2/NDF : 2.1/1

-211.272 $\pm$ 305.290 χ^2/NDF : 0.0/0

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 285.663 $\pm$ 0.237 χ^2/NDF : 0.0/0

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

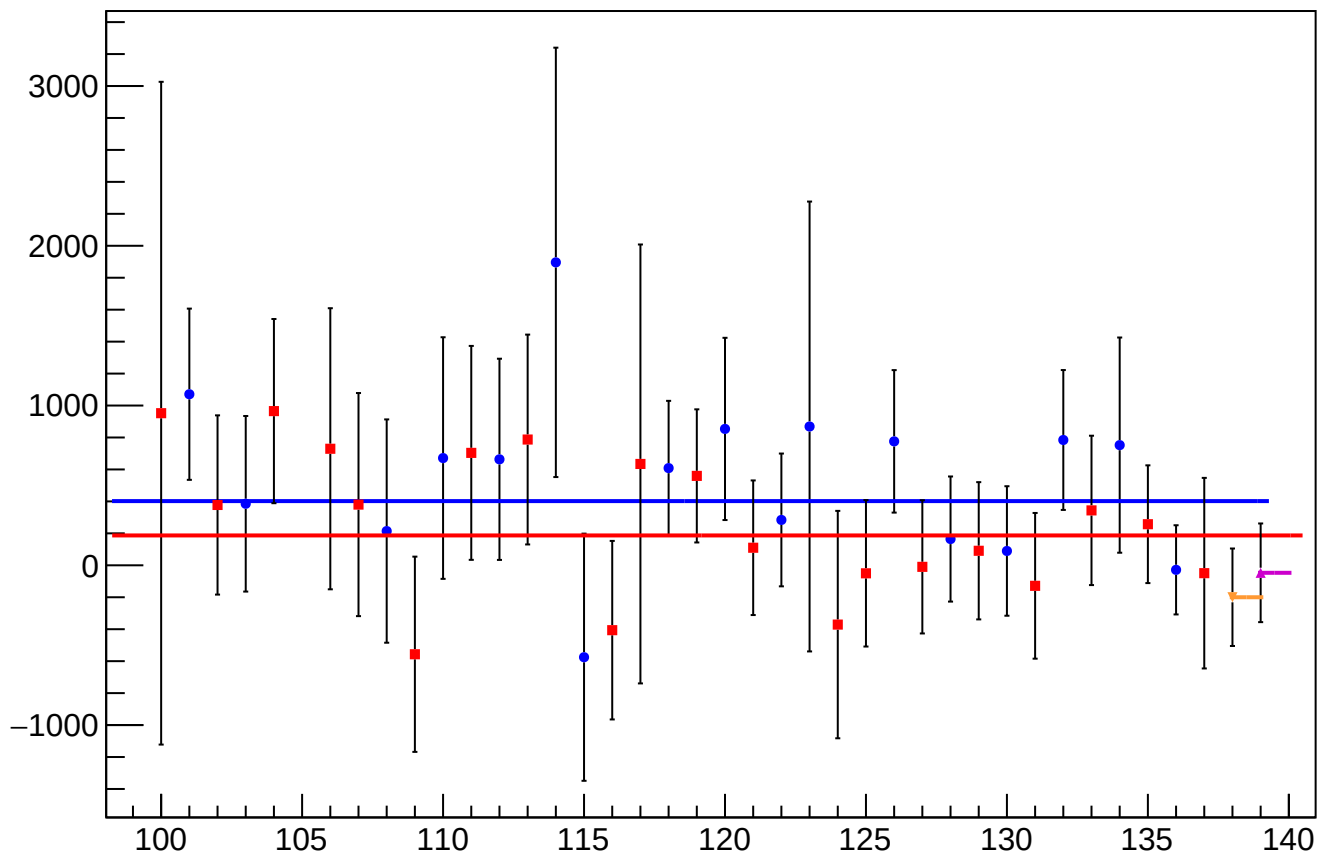
Left In: 259.881 $\pm$ 0.216 χ^2/NDF : 0.0/0

285.663 $\pm$ 0.237 χ^2/NDF : 0.0/0

271.565 $\pm$ 0.160 χ^2/NDF : 6463.6/1

259.881 $\pm$ 0.216 χ^2/NDF : 0.0/0

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -199.954 $\pm$ 305.057 χ^2 /NDF: 0.0/0

Right Out: 186.914 $\pm$ 119.879 χ^2 /NDF: 9.4/19

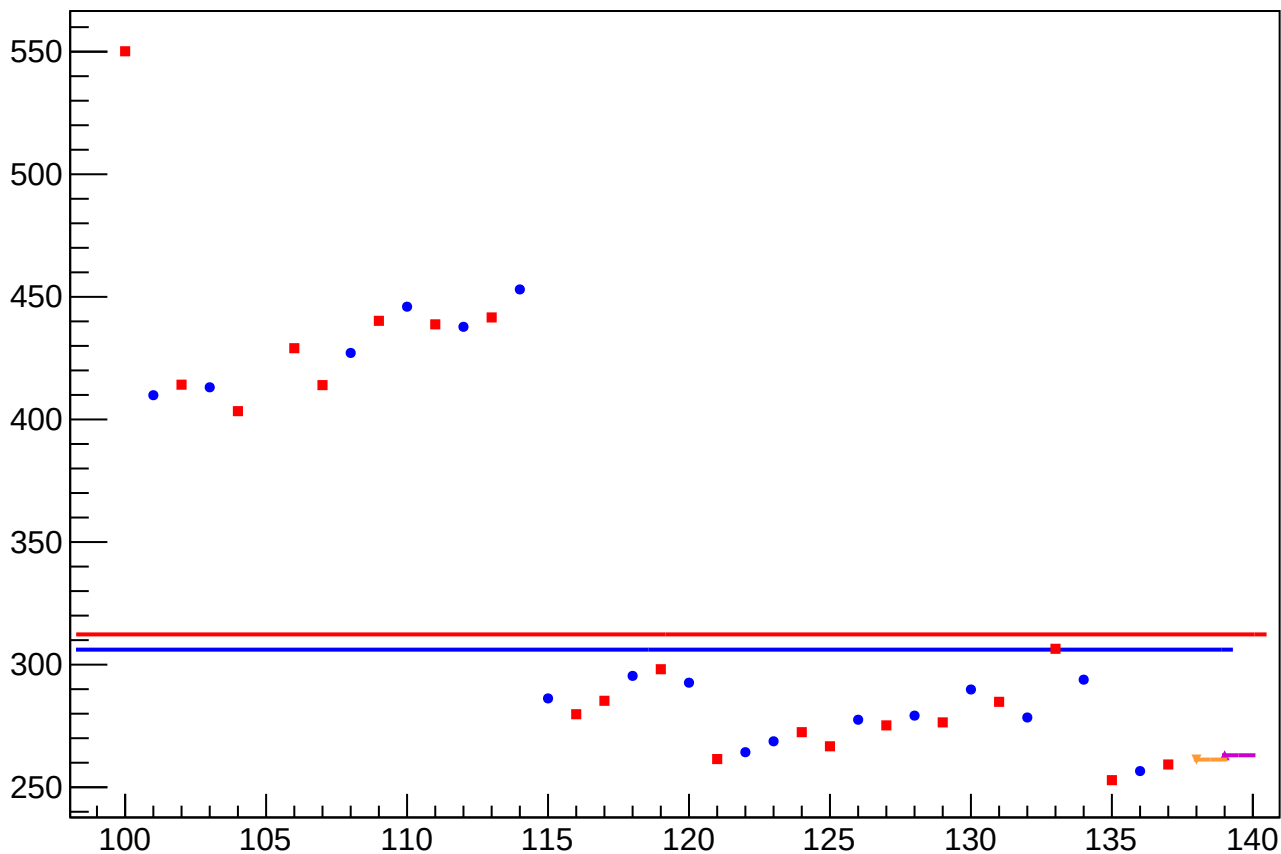
Left In: -46.954 $\pm$ 308.805 χ^2 /NDF: 0.0/0

320.003 $\pm$ 112.513 χ^2 /NDF: 14.3/17

237.590 $\pm$ 79.289 χ^2 /NDF: 25.3/38

156.286 $\pm$ 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: 261.287+/-0.216 χ^2/NDF : 0.0/0

Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

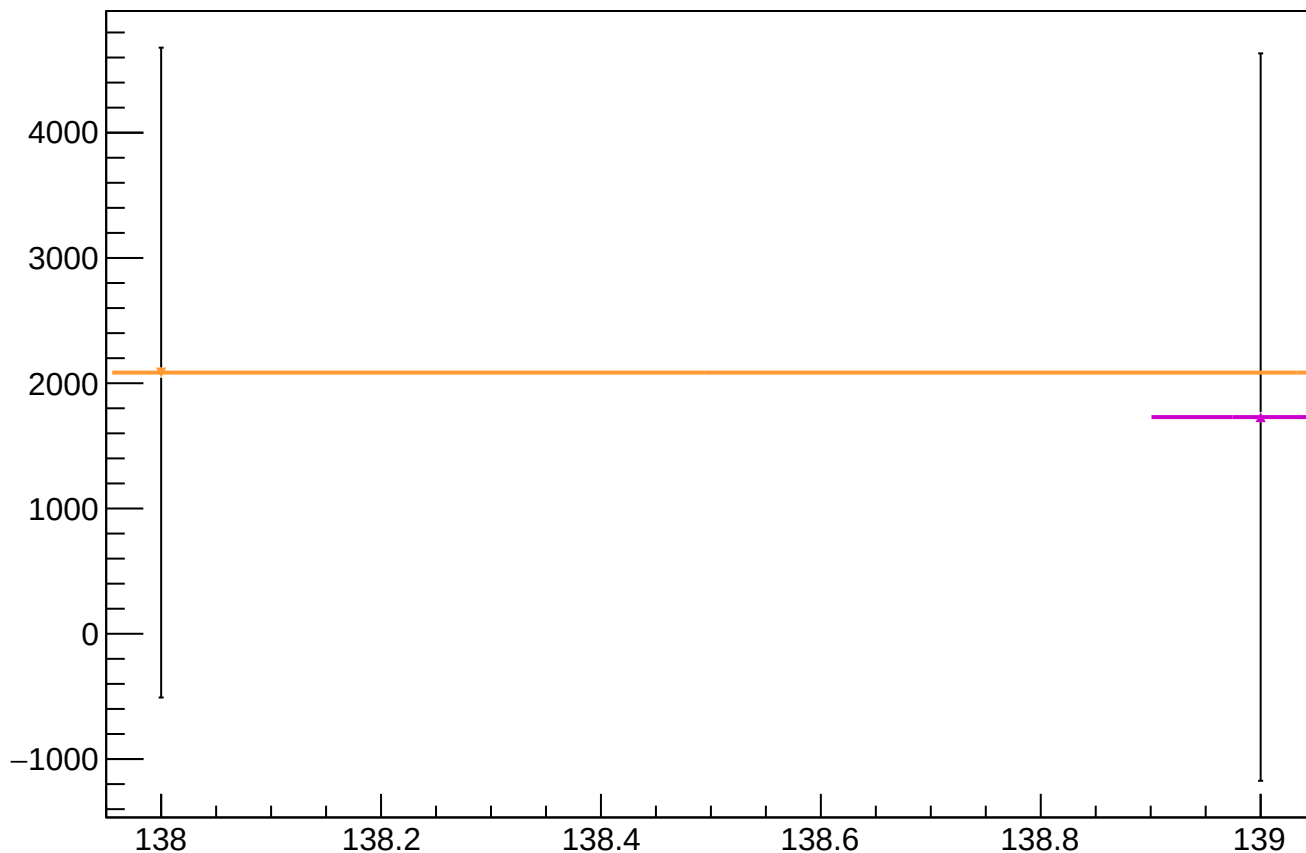
Left In: 263.045+/-0.218 χ^2/NDF : 0.0/0

300.024+/-0.080 χ^2/NDF : 545762.9/17

302.972+/-0.056 χ^2/NDF : 1219321.9/38

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: 2084.942+/-2593.755 χ^2/NDF : 0.0/0

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

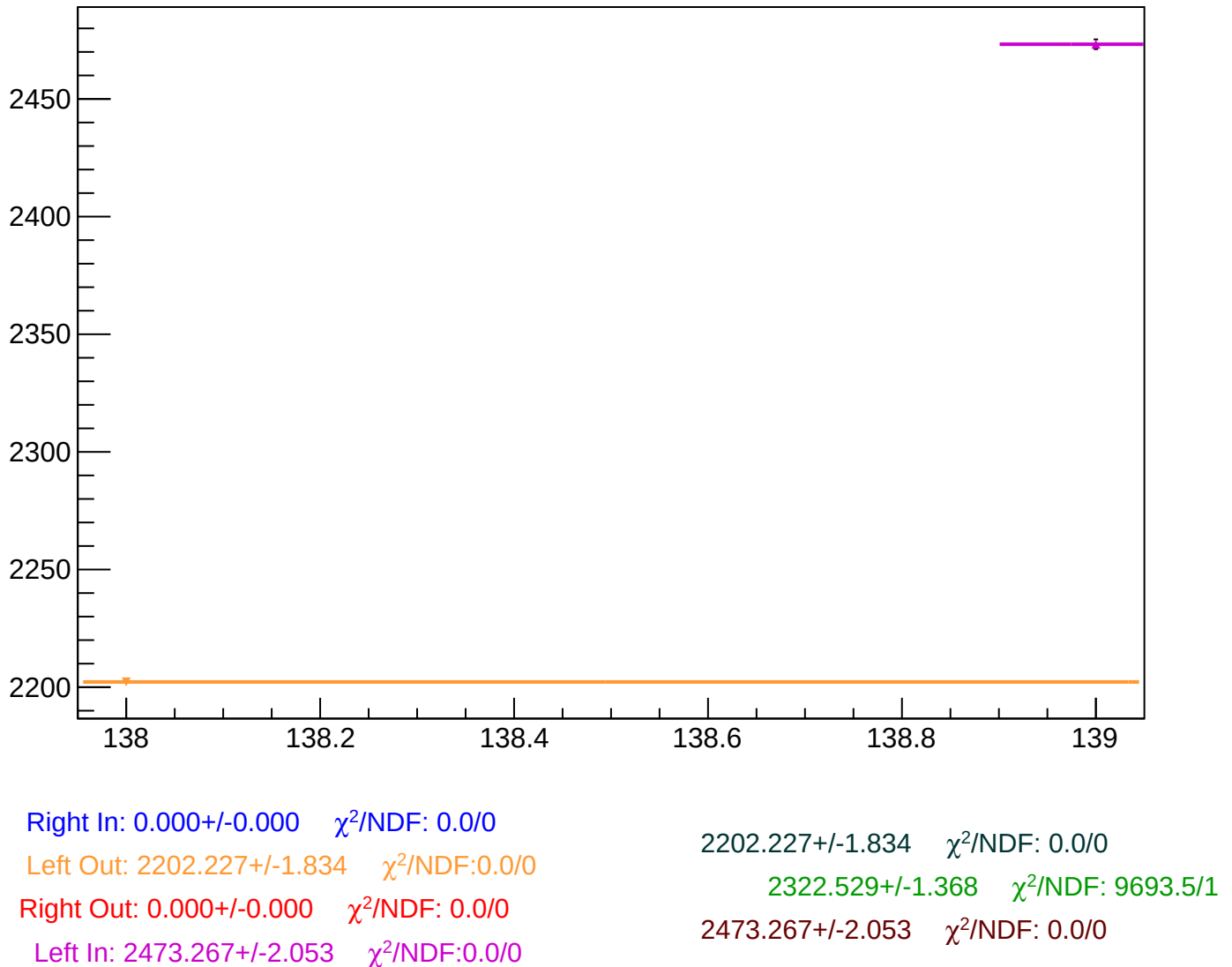
Left In: 1729.751+/-2903.375 χ^2/NDF : 0.0/0

2084.942+/-2593.755 χ^2/NDF : 0.0/0

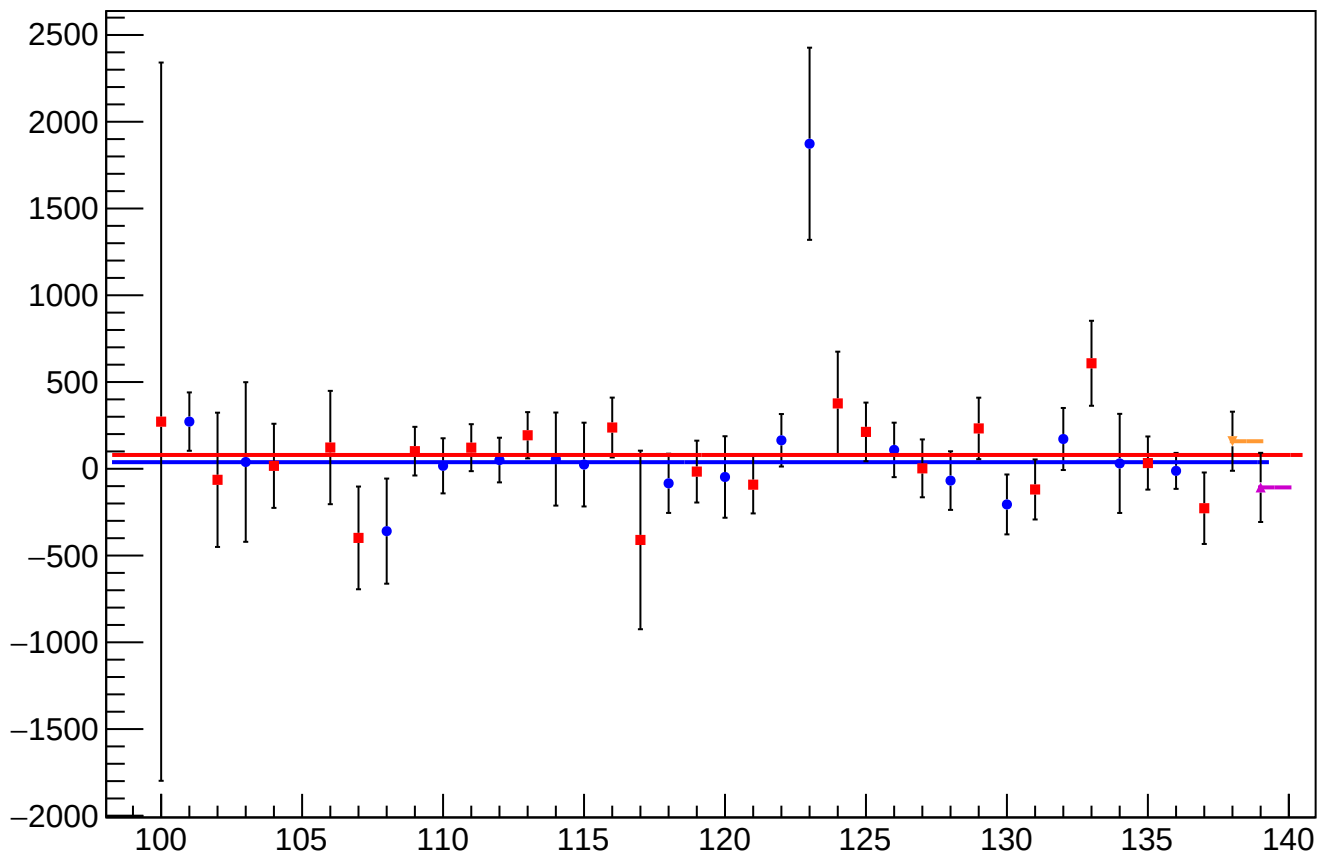
1927.289+/-1934.298 χ^2/NDF : 0.0/1

1729.751+/-2903.375 χ^2/NDF : 0.0/0

asym_sam2_correction_rms vs Slug, Sign Corrected



reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 158.769+/-170.298 χ^2/NDF : 0.0/0

Right Out: 79.665+/-42.948 χ^2/NDF : 17.6/19

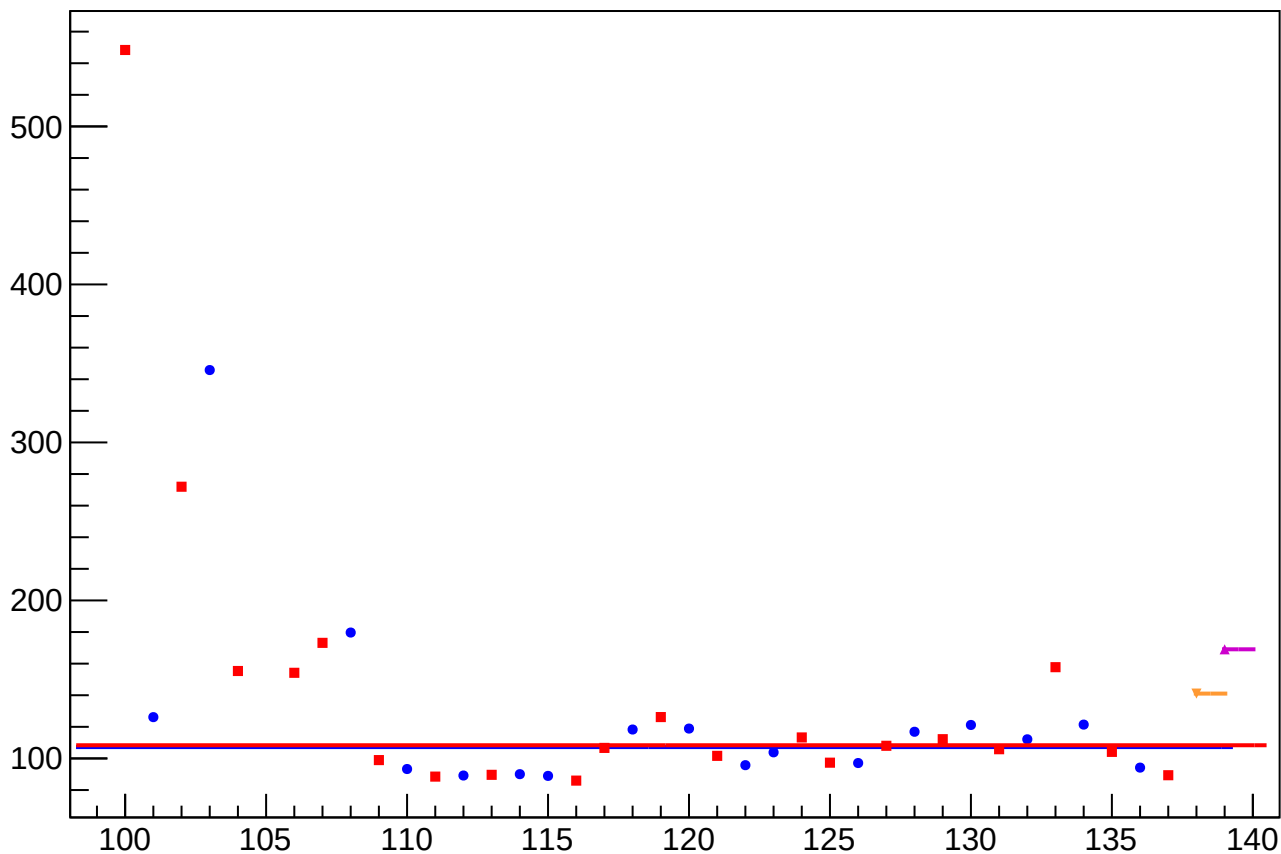
Left In: -107.318+/-199.269 χ^2/NDF : 0.0/0

45.531+/-42.190 χ^2/NDF : 19.9/17

58.511+/-29.760 χ^2/NDF : 38.5/38

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: 141.038 $\pm$ 0.120 χ^2 /NDF: 0.0/0

Right Out: 108.347 $\pm$ 0.030 χ^2 /NDF: 917309.2/19

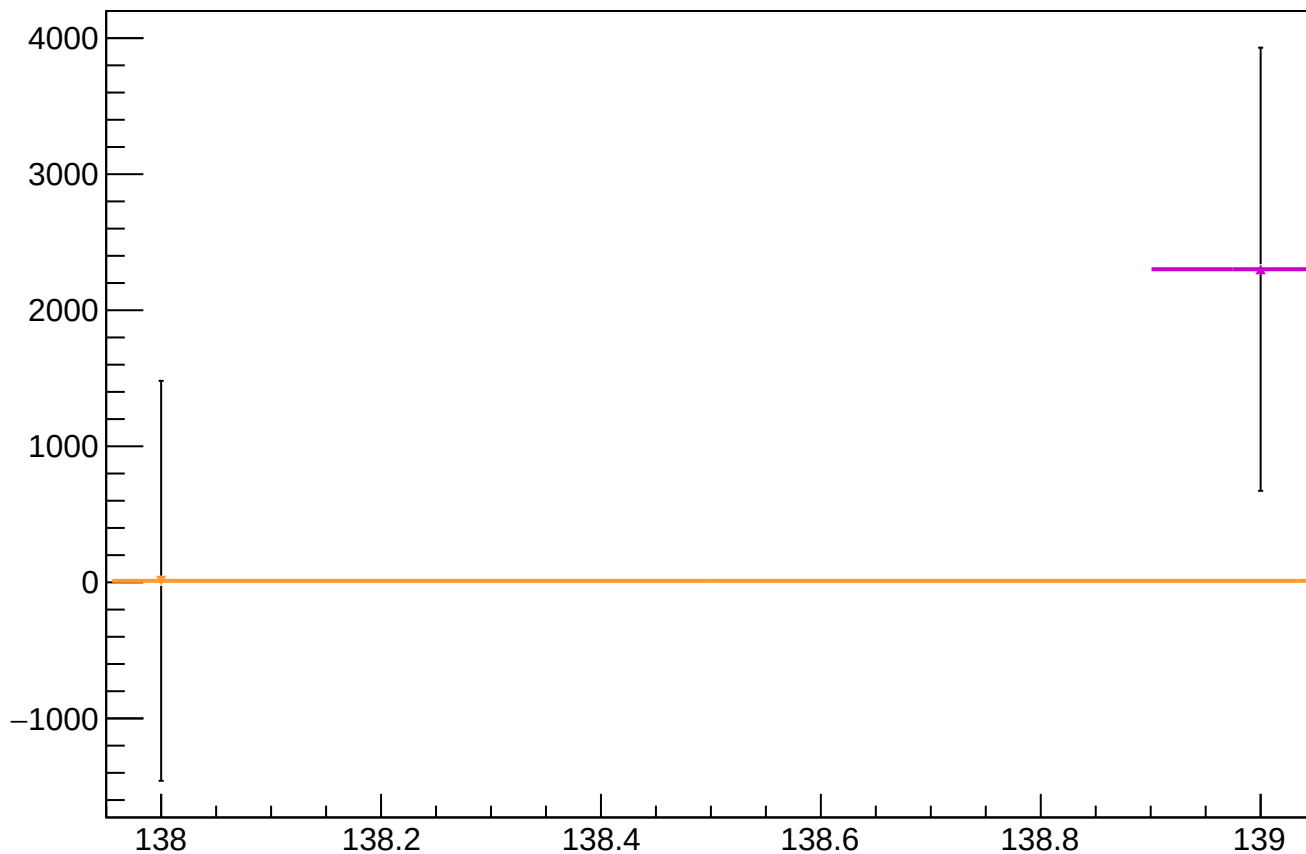
Left In: 169.069 $\pm$ 0.141 χ^2 /NDF: 0.0/0

109.267 $\pm$ 0.030 χ^2 /NDF: 917280.7/17

110.159 $\pm$ 0.021 χ^2 /NDF: 2013838.4/38

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: 11.278+/-1469.768 χ^2/NDF : 0.0/0

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

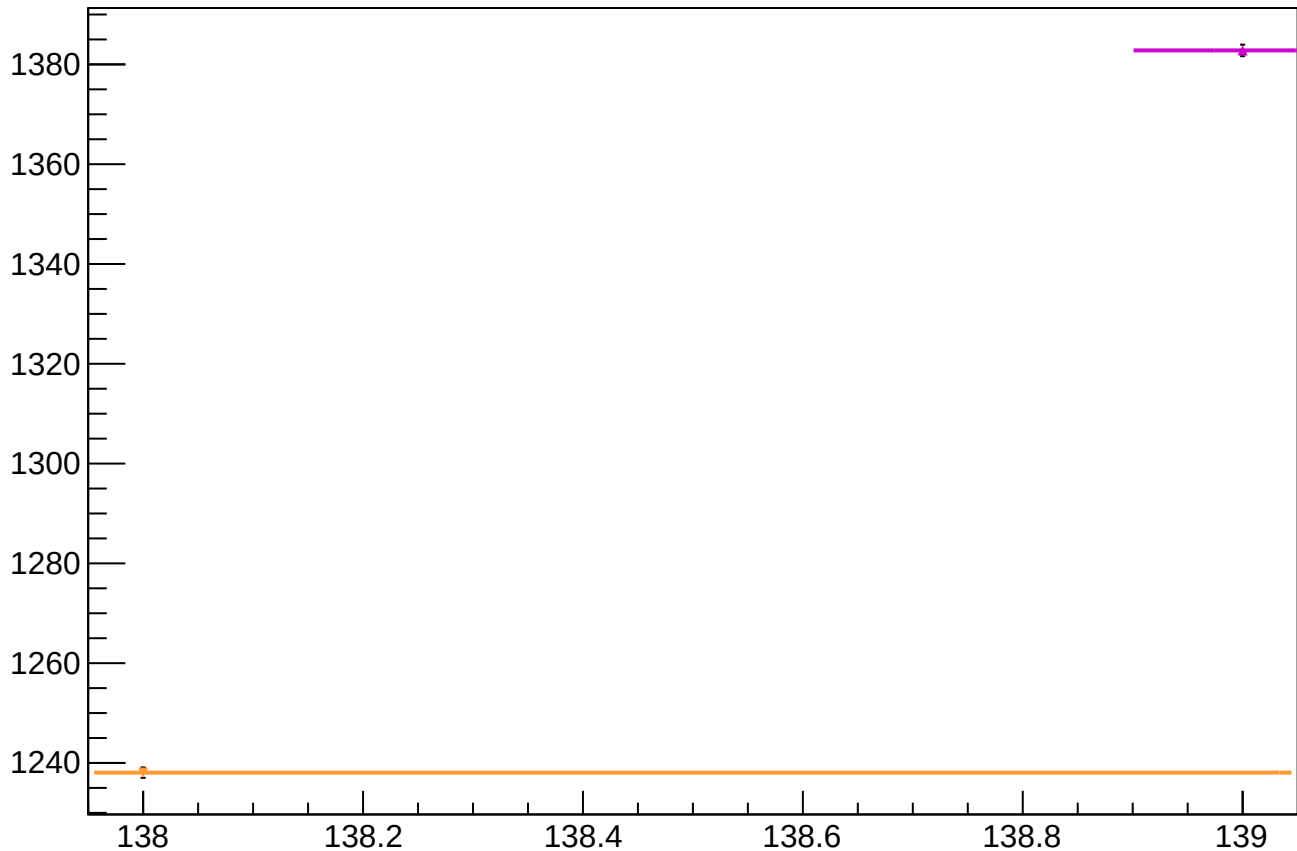
Left In: 2301.403+/-1628.501 χ^2/NDF : 0.0/0

11.278+/-1469.768 χ^2/NDF : 0.0/0

1039.318+/-1091.097 χ^2/NDF : 1.1/1

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: 1238.065+/-1.039 χ^2/NDF : 0.0/0

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

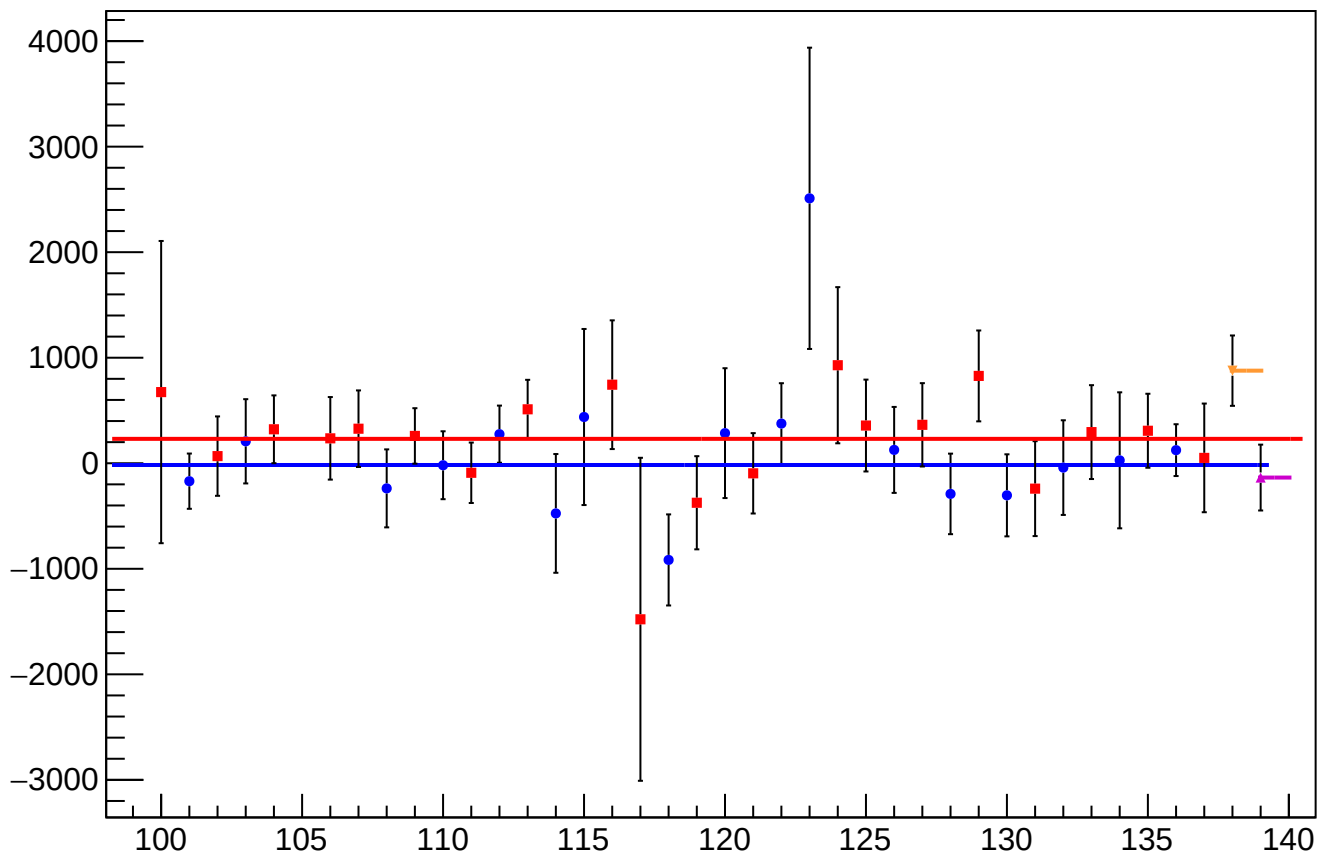
Left In: 1382.803+/-1.152 χ^2/NDF : 0.0/0

1238.065+/-1.039 χ^2/NDF : 0.0/0

1303.038+/-0.772 χ^2/NDF : 8706.6/1

1382.803+/-1.152 χ^2/NDF : 0.0/0

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459+/-93.285 χ^2/NDF : 13.4/16

Left Out: 877.408+/-333.338 χ^2/NDF : 0.0/0

Right Out: 231.209+/-88.787 χ^2/NDF : 11.6/19

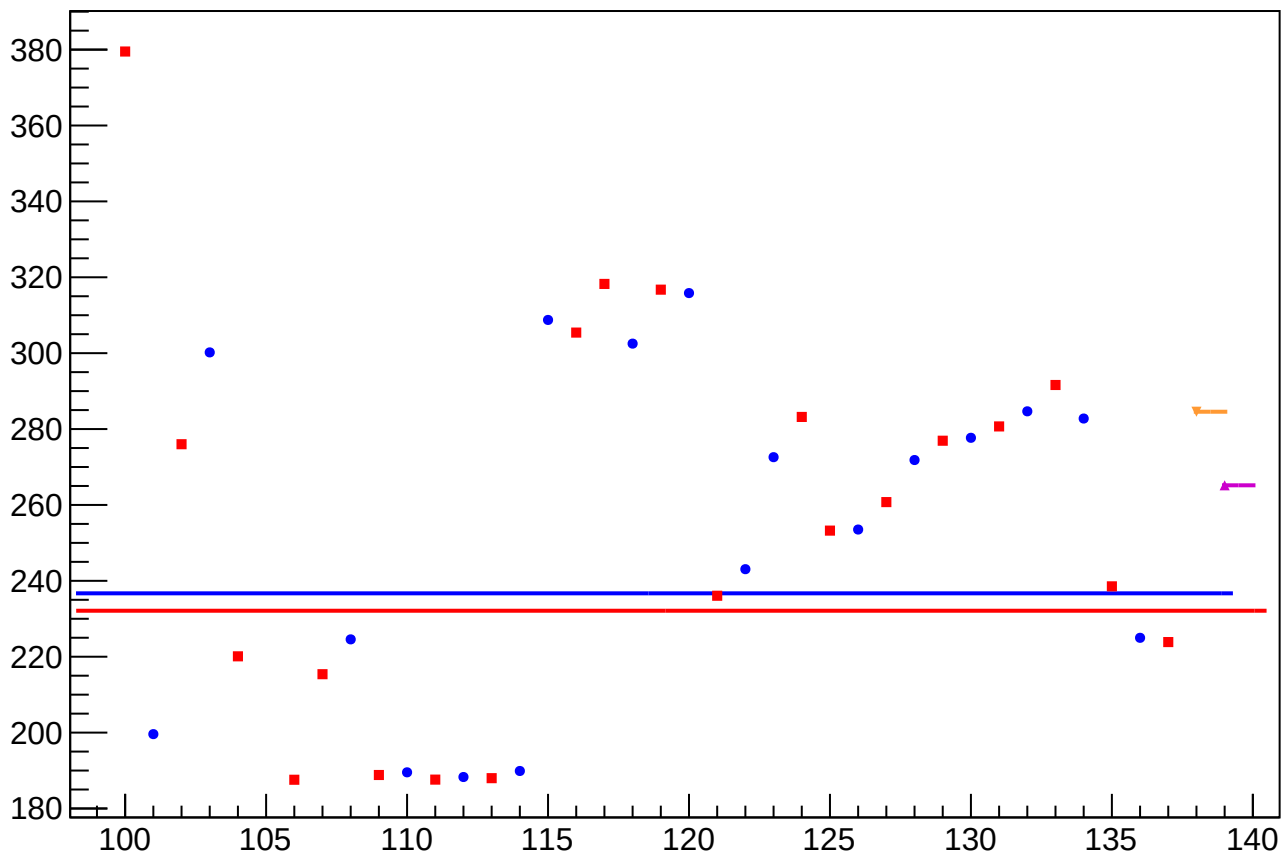
Left In: -135.597+/-311.998 χ^2/NDF : 0.0/0

48.460+/-89.833 χ^2/NDF : 20.1/17

130.023+/-61.894 χ^2/NDF : 34.5/38

203.729+/-85.397 χ^2/NDF : 12.9/20

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 284.567 $\pm$ 0.236 χ^2 /NDF: 0.0/0

Right Out: 232.119 $\pm$ 0.063 χ^2 /NDF: 449633.1/19

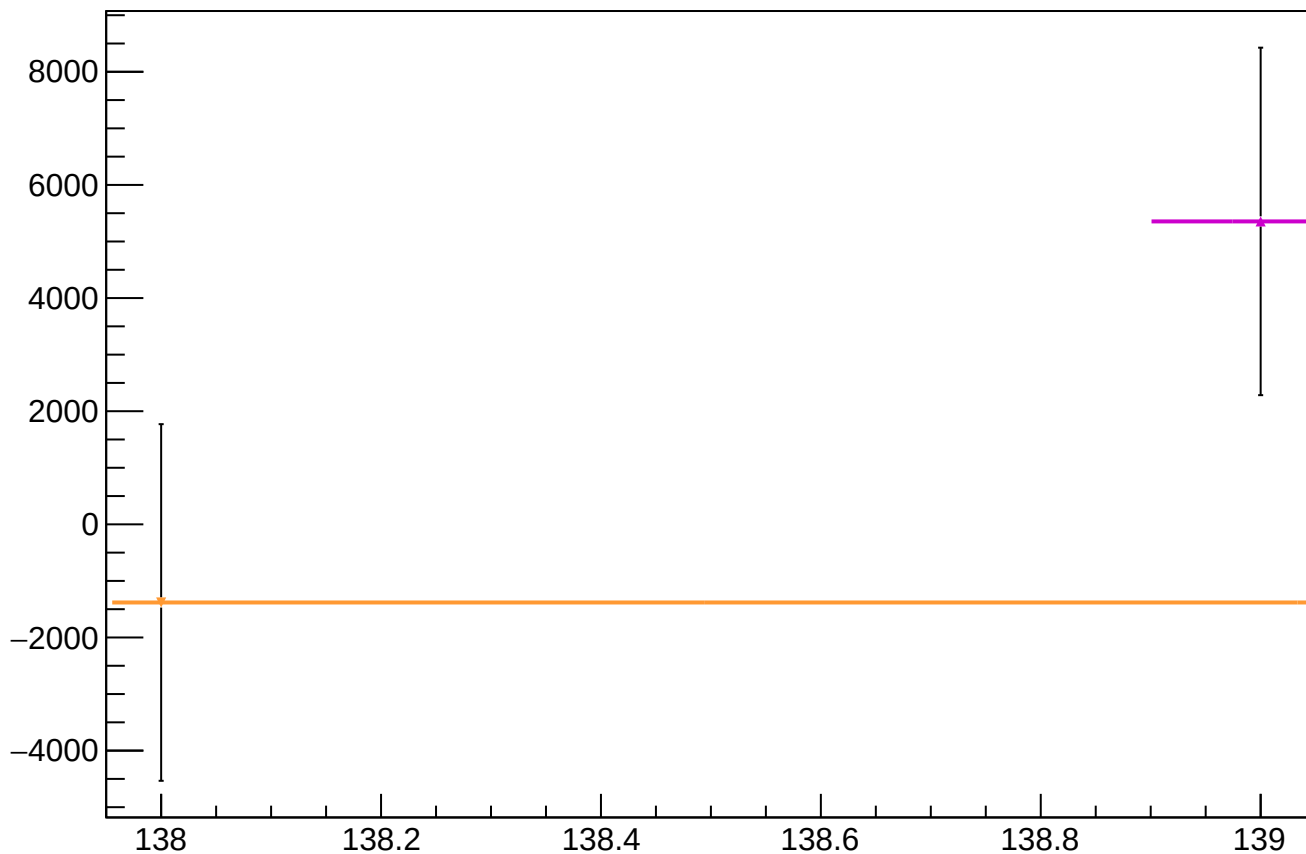
Left In: 265.176 $\pm$ 0.221 χ^2 /NDF: 0.0/0

240.182 $\pm$ 0.064 χ^2 /NDF: 428580.9/17

237.248 $\pm$ 0.044 χ^2 /NDF: 903047.2/38

234.596 $\pm$ 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: -1381.263+/-3152.246 χ^2 /NDF: 0.0/0

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

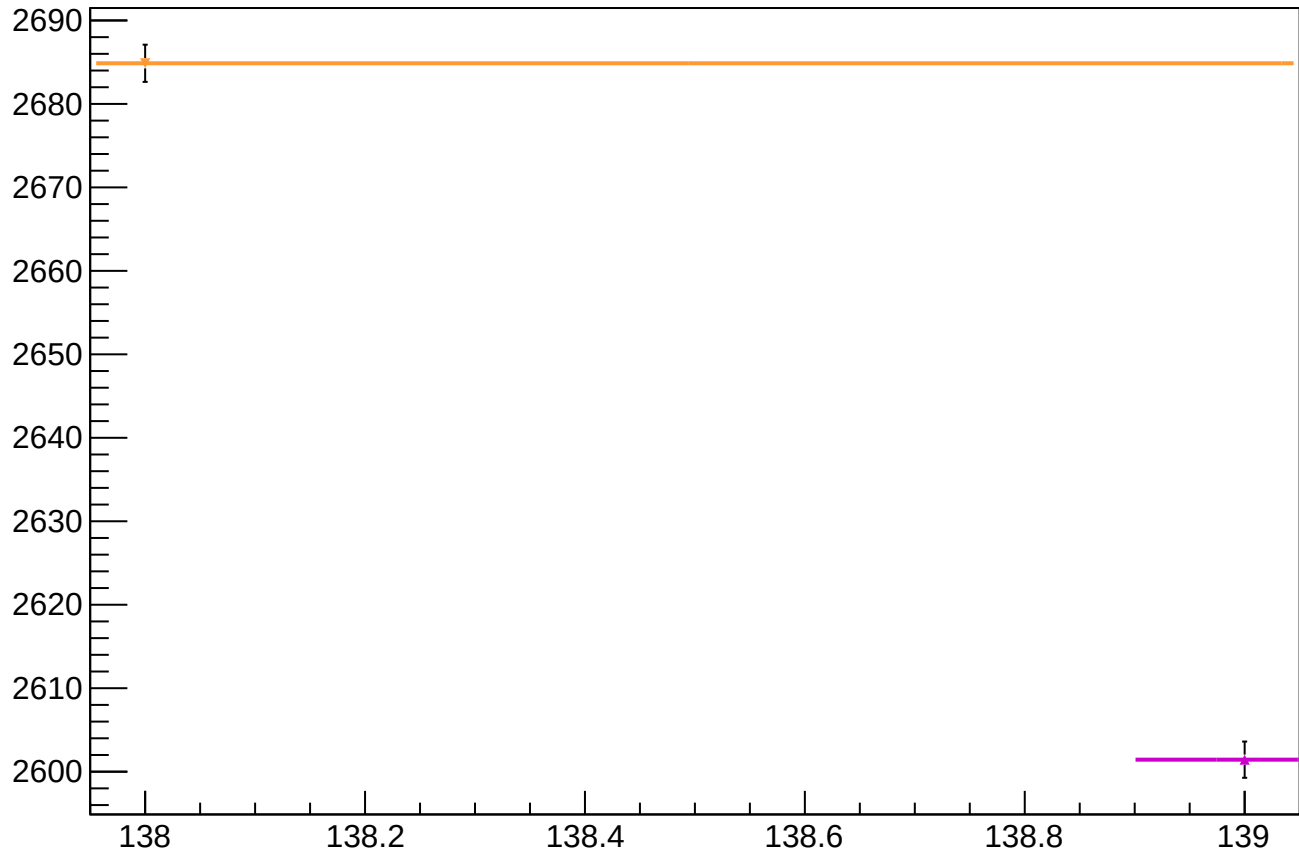
Left In: 5354.962+/-3071.386 χ^2 /NDF: 0.0/0

-1381.263+/-3152.246 χ^2 /NDF: 0.0/0

2074.355+/-2199.829 χ^2 /NDF: 2.3/1

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: 2684.870+/-2.229 χ^2/NDF : 0.0/0

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

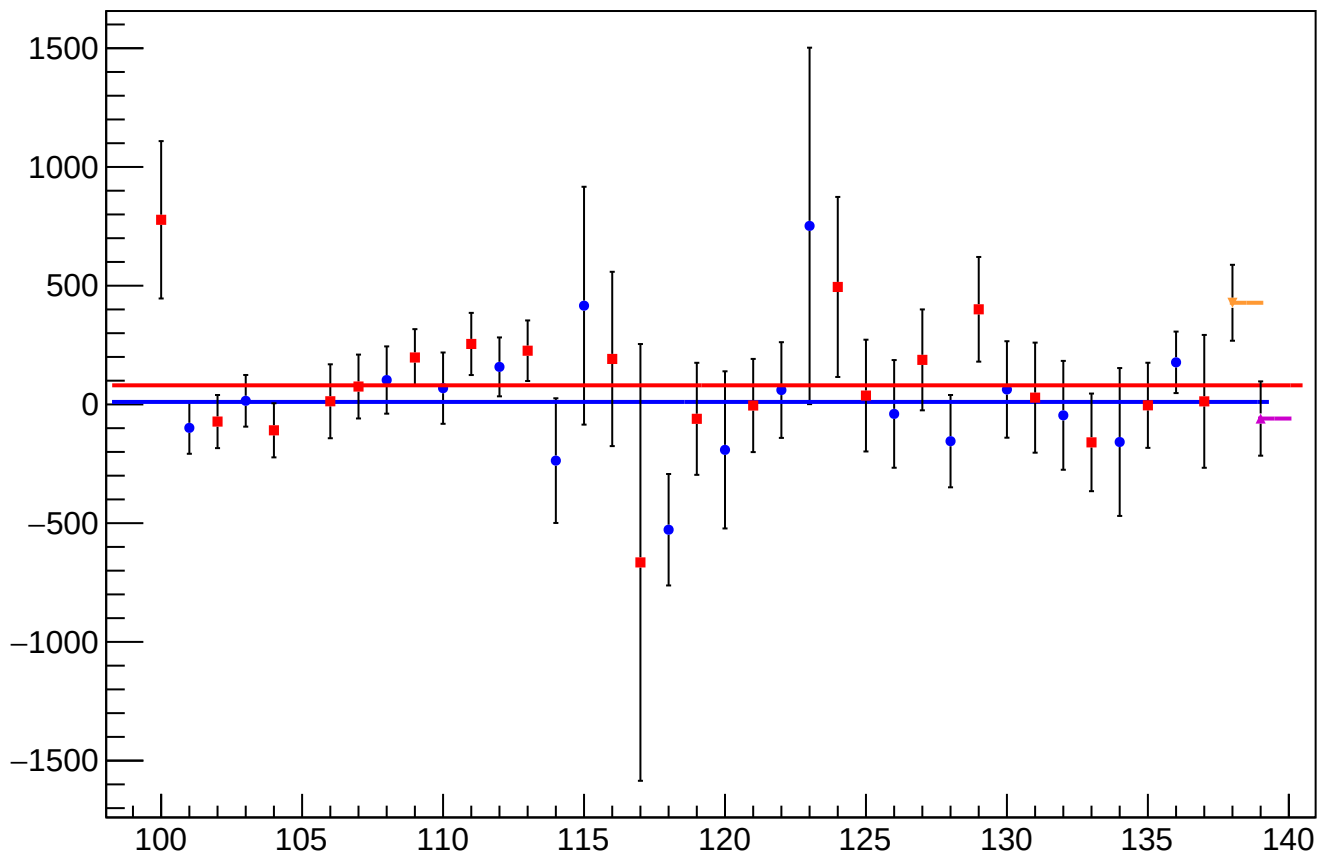
Left In: 2601.439+/-2.172 χ^2/NDF : 0.0/0

2684.870+/-2.229 χ^2/NDF : 0.0/0

2642.070+/-1.556 χ^2/NDF : 718.7/1

2601.439+/-2.172 χ^2/NDF : 0.0/0

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2 /NDF: 14.1/16

Left Out: 428.095 $\pm$ 159.862 χ^2 /NDF: 0.0/0

Right Out: 80.462 $\pm$ 38.950 χ^2 /NDF: 19.9/19

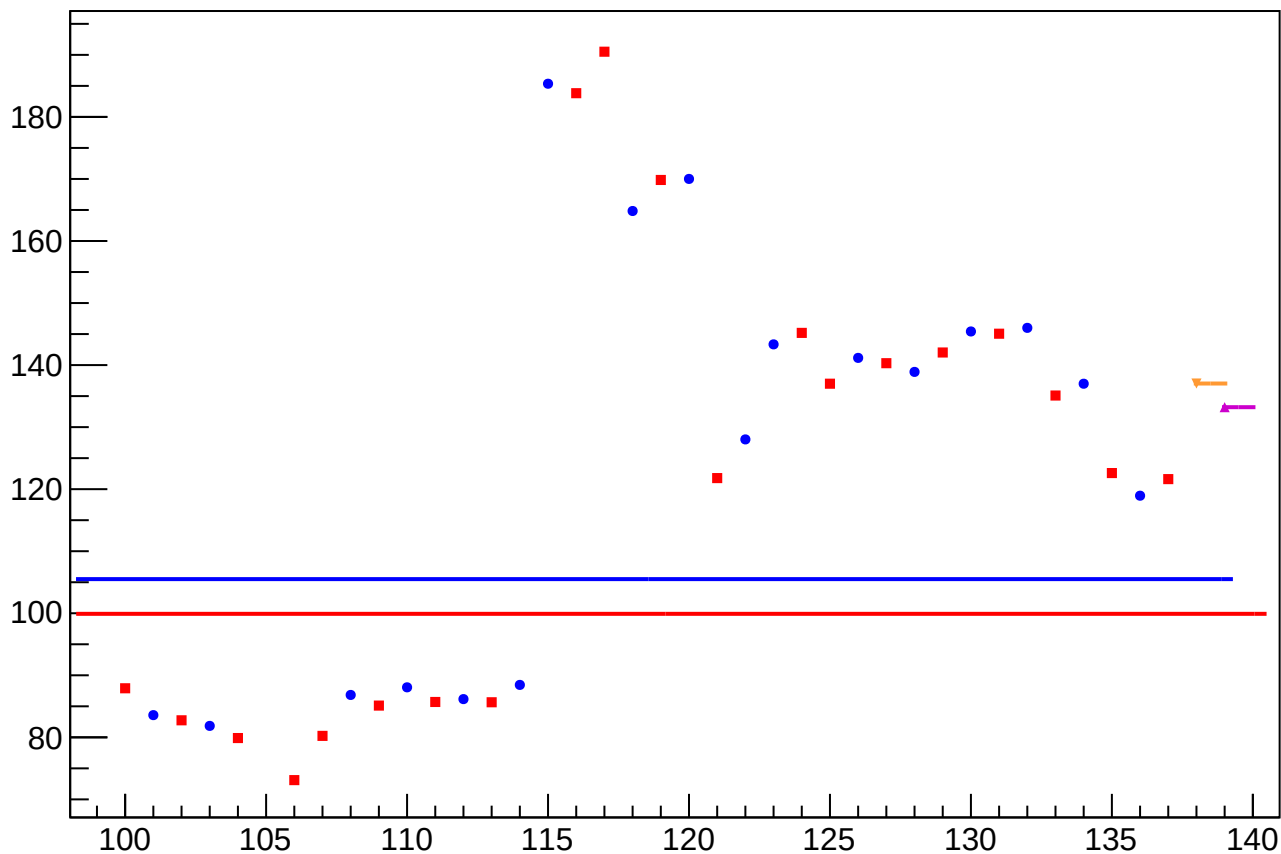
Left In: -59.415 $\pm$ 156.418 χ^2 /NDF: 0.0/0

37.846 $\pm$ 40.888 χ^2 /NDF: 20.4/17

56.422 $\pm$ 27.754 χ^2 /NDF: 41.4/38

72.295 $\pm$ 37.796 χ^2 /NDF: 20.6/20

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 137.028 $\pm$ 0.113 χ^2 /NDF: 0.0/0

Right Out: 99.907 $\pm$ 0.028 χ^2 /NDF: 1019545.3/19

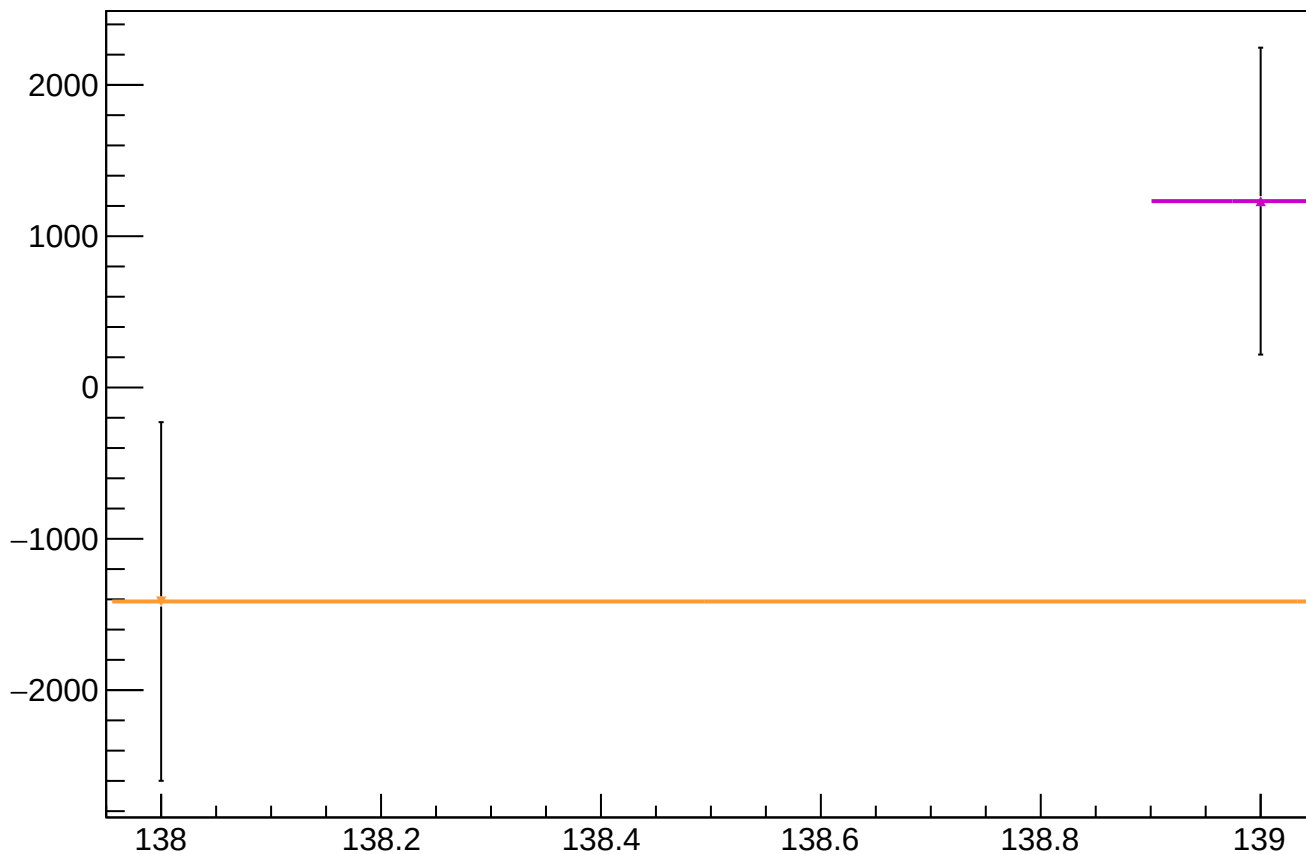
Left In: 133.215 $\pm$ 0.111 χ^2 /NDF: 0.0/0

107.565 $\pm$ 0.029 χ^2 /NDF: 941712.9/17

104.484 $\pm$ 0.020 χ^2 /NDF: 2067711.2/38

101.852 $\pm$ 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: -1414.121±/-1185.231 χ^2 /NDF: 0.0/0

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

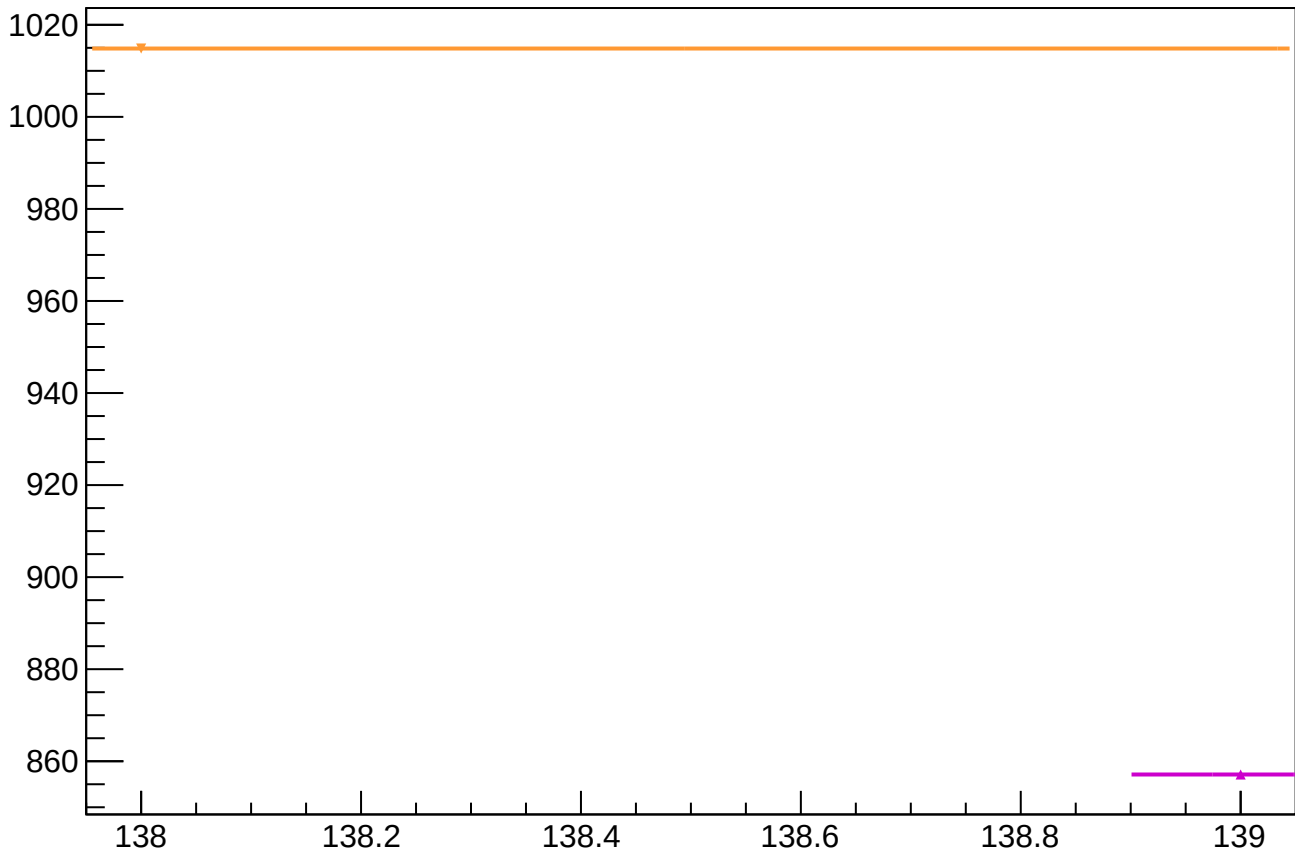
Left In: 1231.908±/-1014.231 χ^2 /NDF: 0.0/0

-1414.121±/-1185.231 χ^2 /NDF: 0.0/0

113.376±/-770.601 χ^2 /NDF: 2.9/1

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: 1014.849 $\pm$ 0.838 χ^2 /NDF: 0.0/0

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

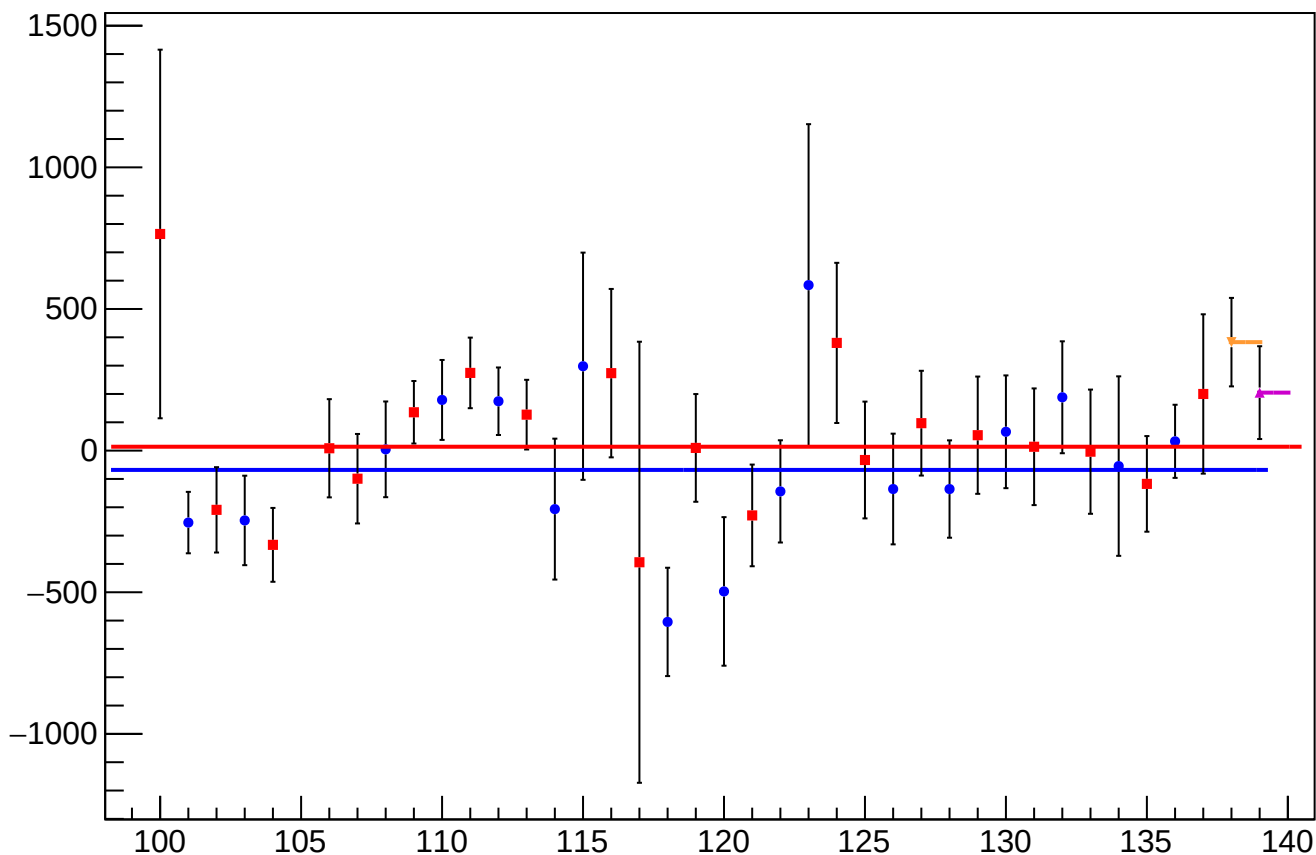
Left In: 857.119 $\pm$ 0.717 χ^2 /NDF: 0.0/0

1014.849 $\pm$ 0.838 χ^2 /NDF: 0.0/0

923.795 $\pm$ 0.545 χ^2 /NDF: 20447.5/1

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: 382.954 ± 156.185 χ^2/NDF : 0.0/0

Right Out: 13.752 ± 39.416 χ^2/NDF : 23.4/19

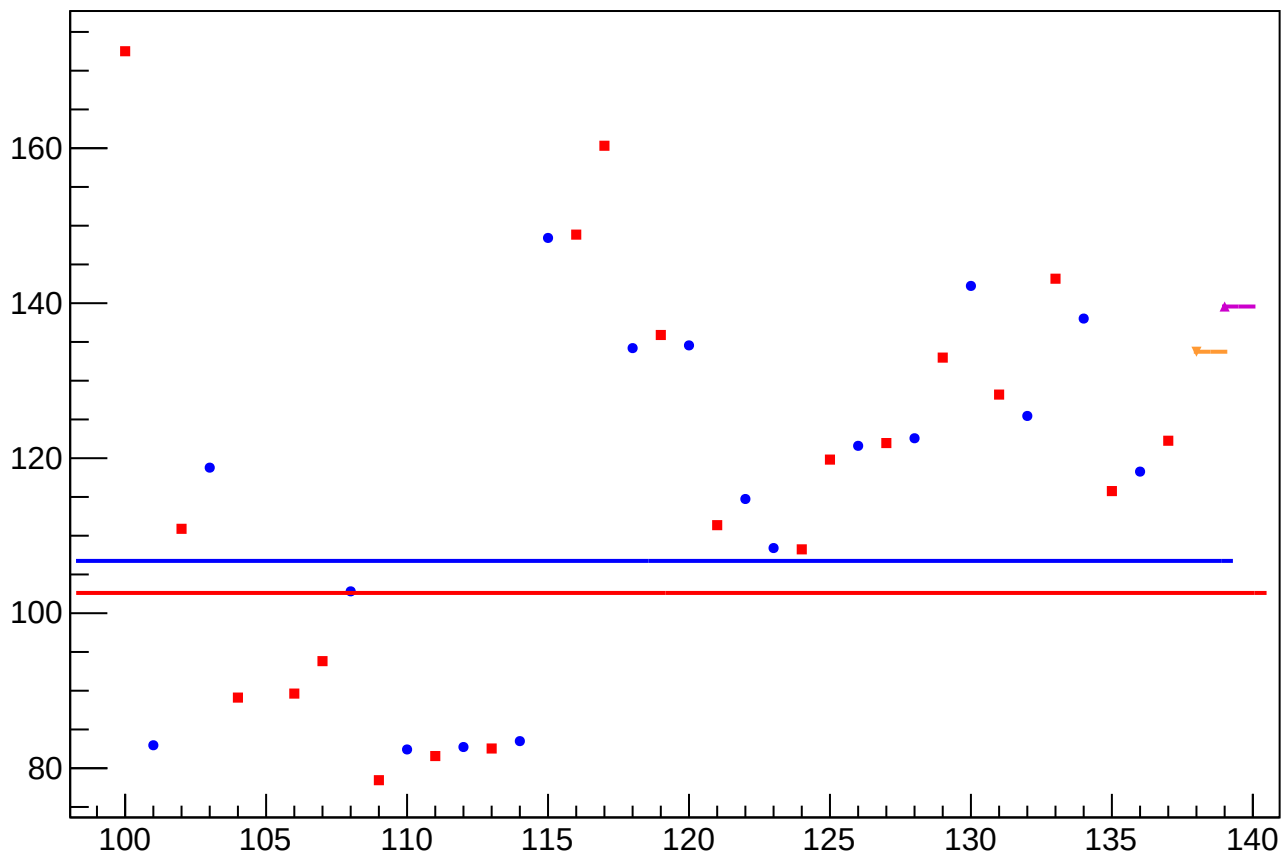
Left In: 204.717 ± 163.817 χ^2/NDF : 0.0/0

-37.333 ± 40.798 χ^2/NDF : 35.6/17

-4.642 ± 27.932 χ^2/NDF : 61.5/38

24.202 ± 38.322 χ^2/NDF : 24.7/20

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 133.738+/-0.110 χ^2/NDF : 0.0/0

Right Out: 102.615+/-0.028 χ^2/NDF : 600357.6/19

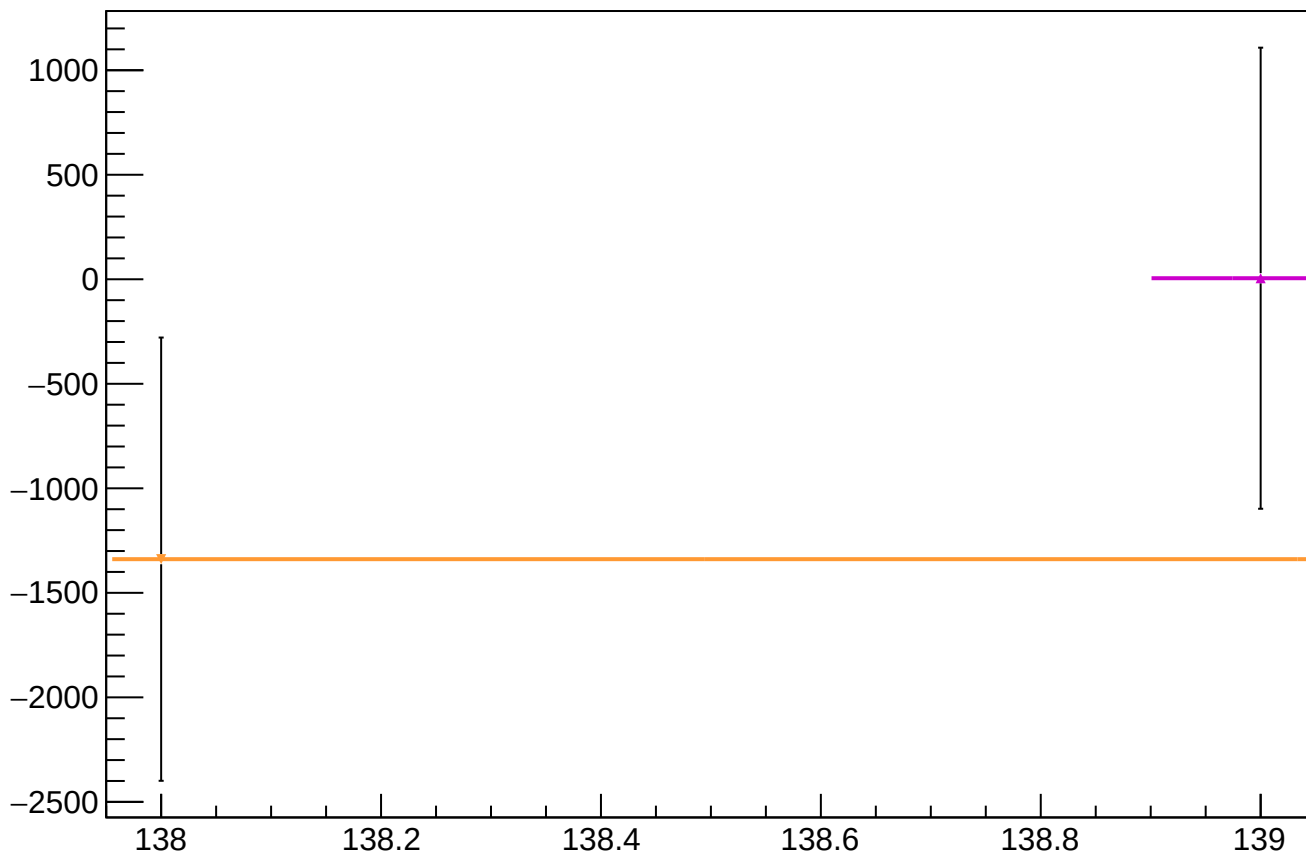
Left In: 139.571+/-0.116 χ^2/NDF : 0.0/0

108.591+/-0.029 χ^2/NDF : 557387.0/17

106.491+/-0.020 χ^2/NDF : 1263934.9/38

104.638+/-0.027 χ^2/NDF : 696571.5/20

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: -1338.955+/-1060.222 χ^2/NDF : 0.0/0

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

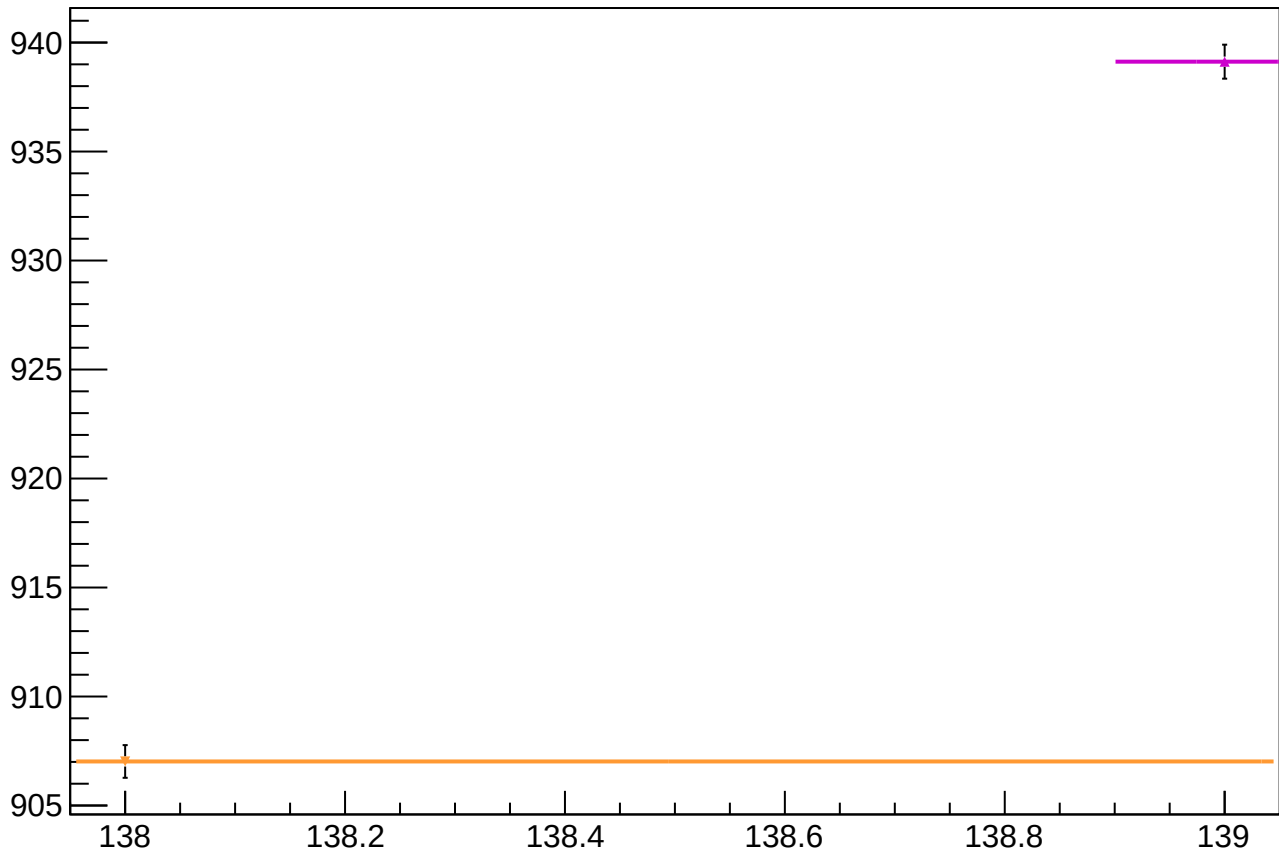
Left In: 5.058+/-1102.884 χ^2/NDF : 0.0/0

-1338.955+/-1060.222 χ^2/NDF : 0.0/0

-693.445+/-764.327 χ^2/NDF : 0.8/1

5.058+/-1102.884 χ^2/NDF : 0.0/0

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 907.021 $\pm$ 0.750 χ^2 /NDF: 0.0/0

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

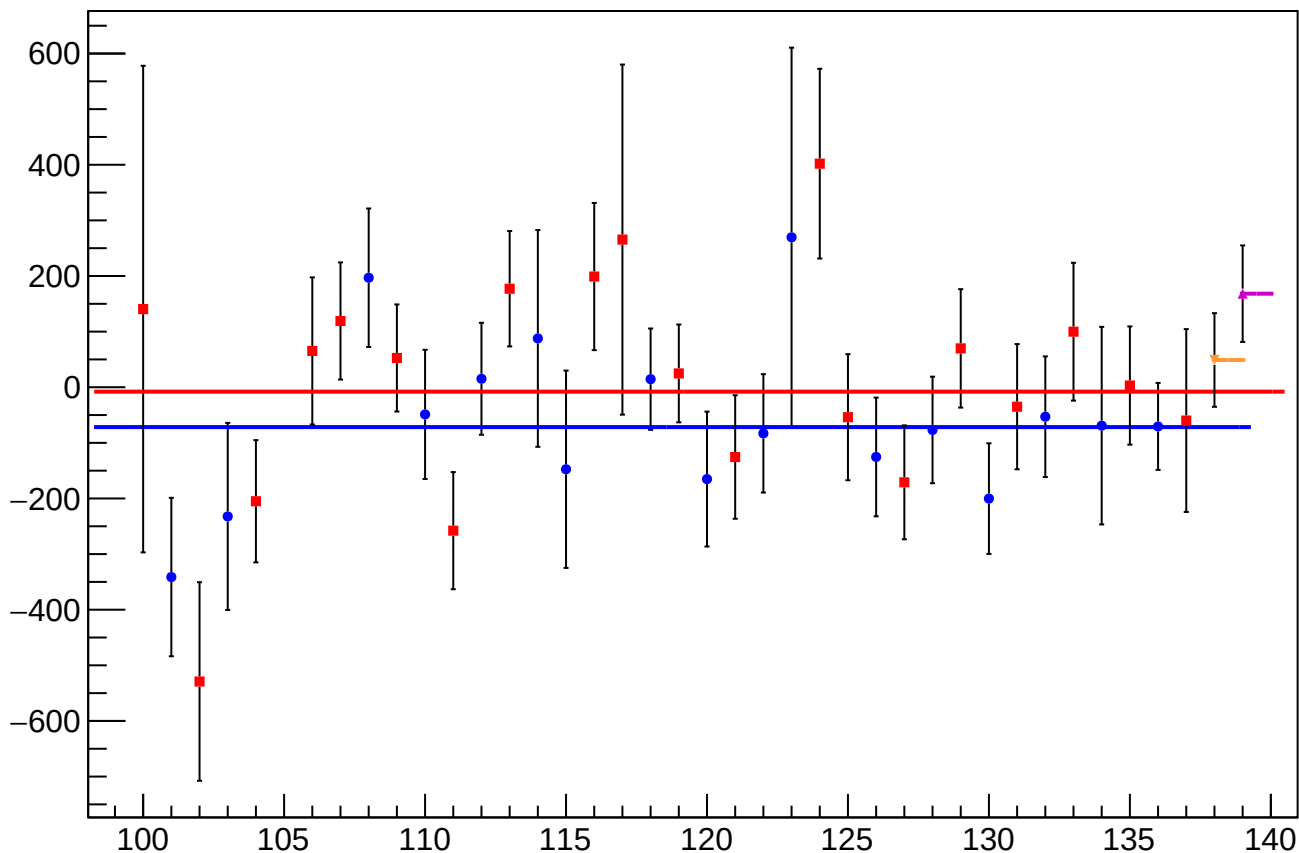
Left In: 939.123 $\pm$ 0.780 χ^2 /NDF: 0.0/0

907.021 $\pm$ 0.750 χ^2 /NDF: 0.0/0

922.439 $\pm$ 0.540 χ^2 /NDF: 880.6/1

939.123 $\pm$ 0.780 χ^2 /NDF: 0.0/0

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 $\pm$ 28.358 χ^2 /NDF: 15.2/16

Left Out: 49.008 $\pm$ 84.174 χ^2 /NDF:0.0/0

Right Out: -7.933 $\pm$ 26.719 χ^2 /NDF: 37.2/19

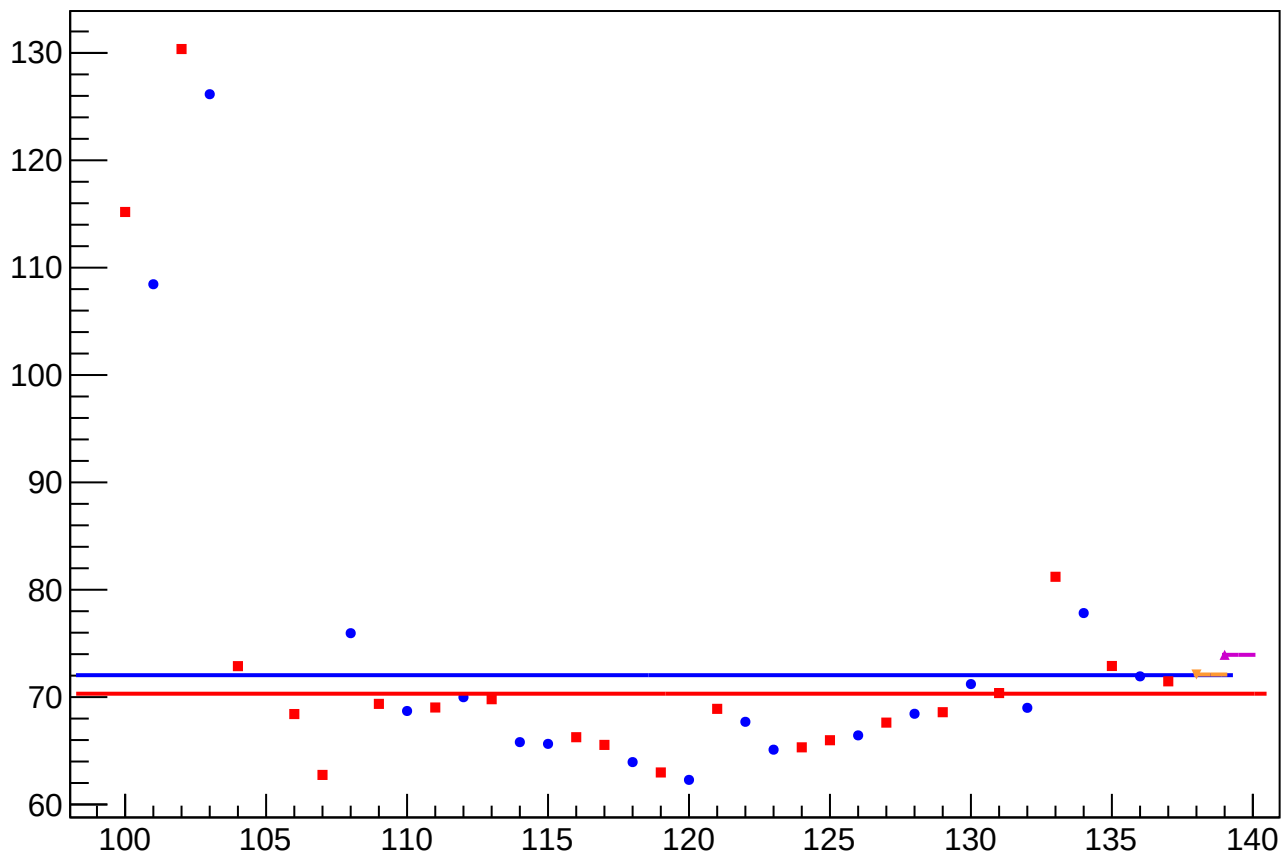
Left In: 168.215 $\pm$ 86.782 χ^2 /NDF:0.0/0

-59.368 $\pm$ 26.874 χ^2 /NDF: 17.1/17

-24.323 $\pm$ 18.512 χ^2 /NDF: 61.3/38

7.320 $\pm$ 25.536 χ^2 /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: 72.105 $\pm$ 0.060 χ^2 /NDF: 0.0/0

Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

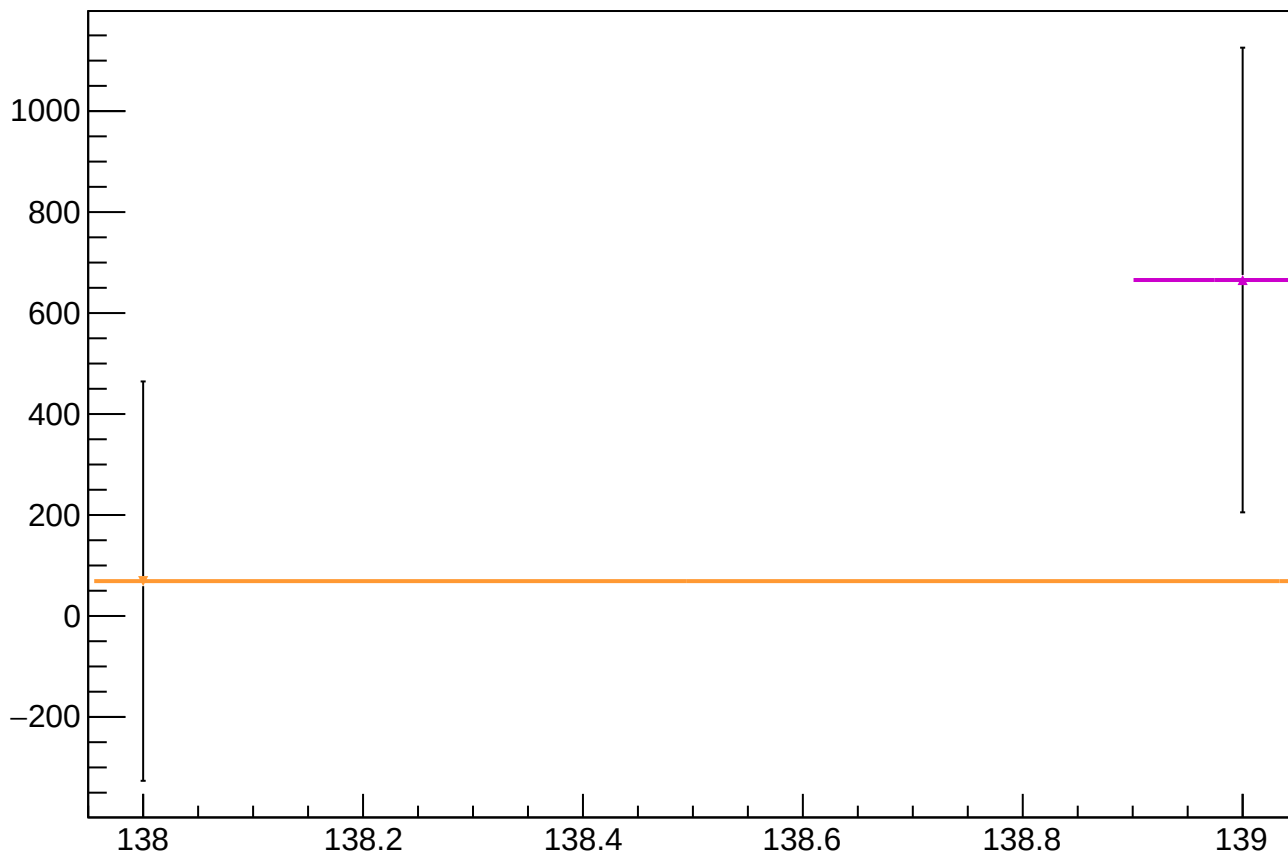
Left In: 73.938 $\pm$ 0.061 χ^2 /NDF: 0.0/0

72.049 $\pm$ 0.019 χ^2 /NDF: 391972.7/17

71.303 $\pm$ 0.013 χ^2 /NDF: 697552.2/38

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 χ^2 /NDF: 0.0/0

Left Out: 69.044+/-395.508 χ^2 /NDF: 0.0/0

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

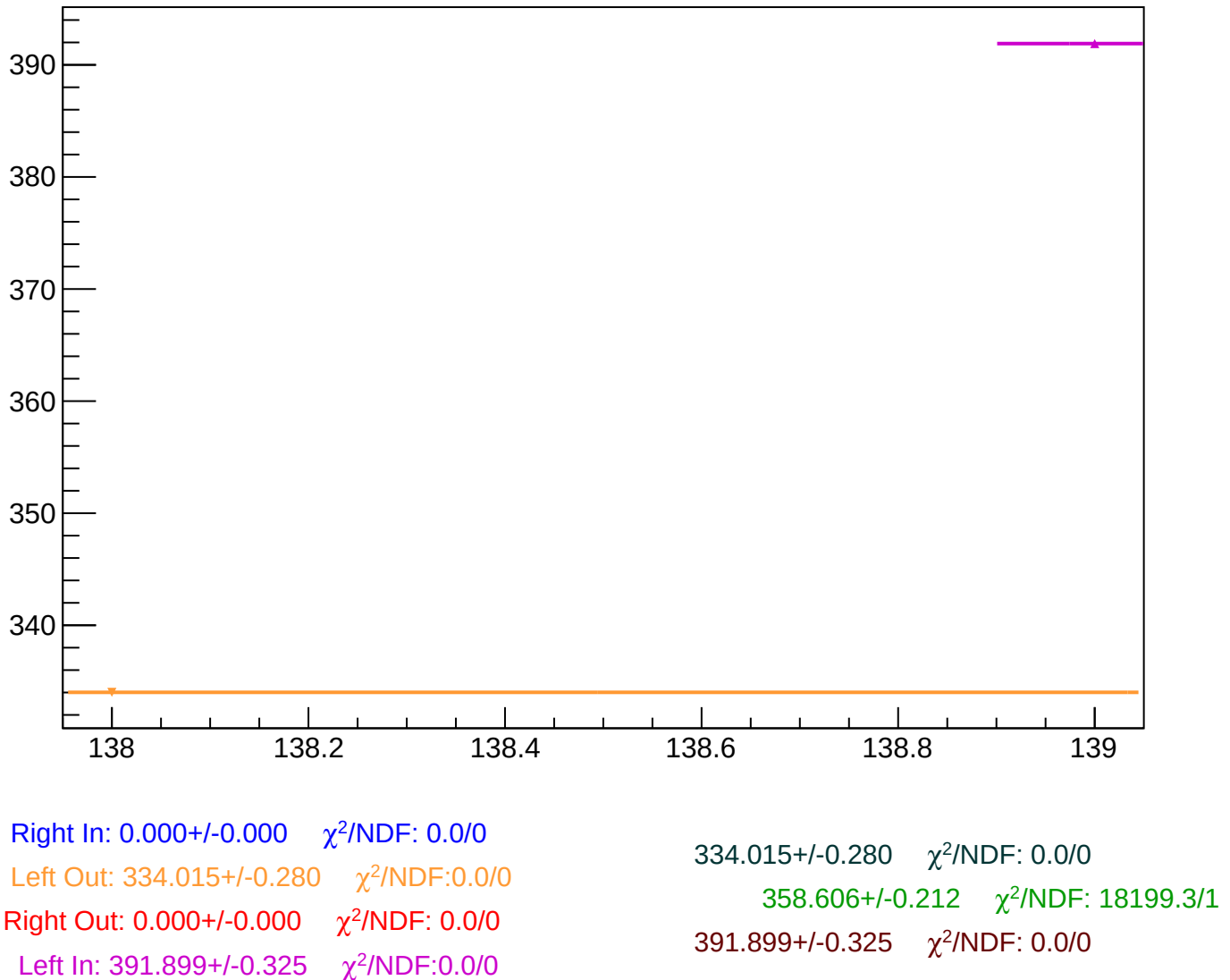
Left In: 665.471+/-460.192 χ^2 /NDF: 0.0/0

69.044+/-395.508 χ^2 /NDF: 0.0/0

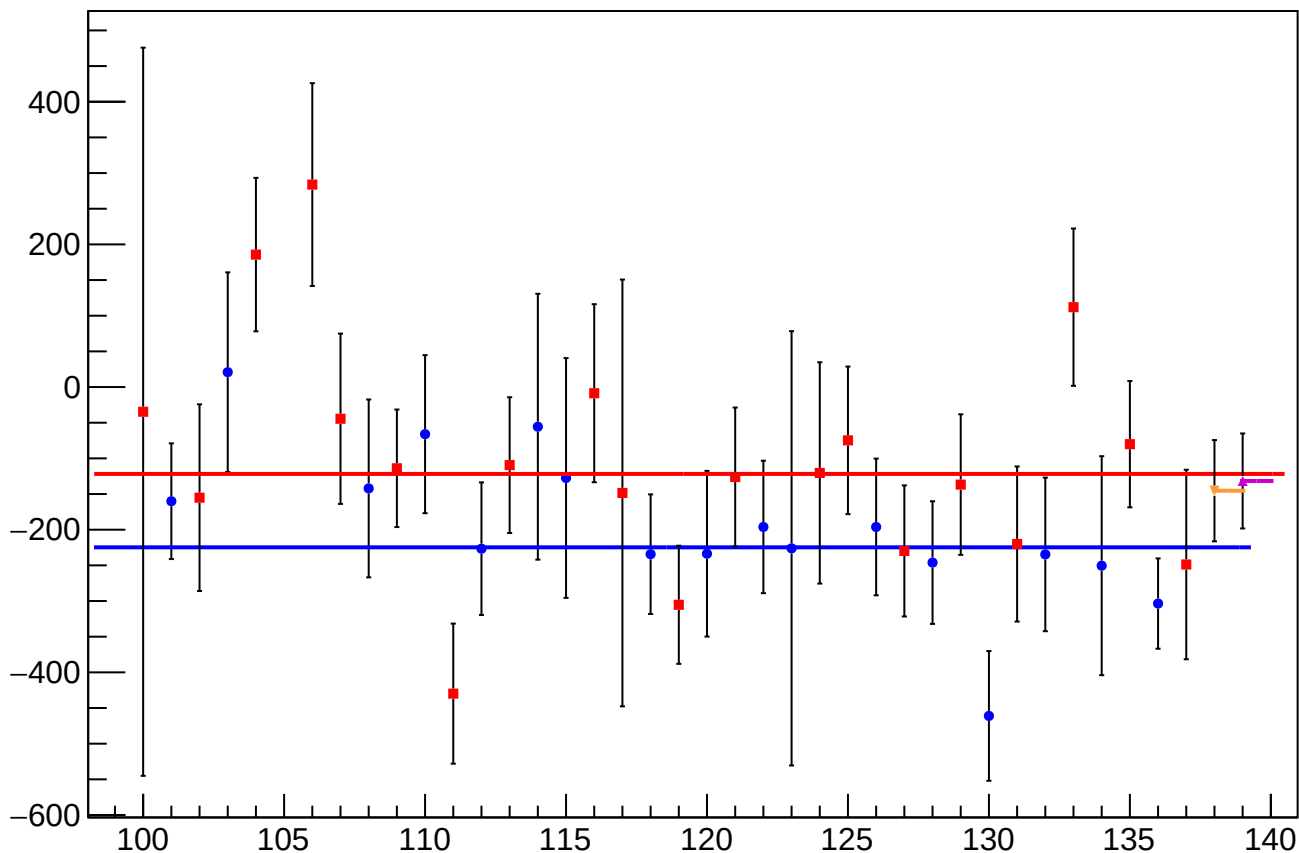
322.429+/-299.951 χ^2 /NDF: 1.0/1

665.471+/-460.192 χ^2 /NDF: 0.0/0

asym_sam7_correction_rms vs Slug, Sign Corrected



reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 $\pm$ 24.880 χ^2 /NDF: 16.0/16

Left Out: -145.351 $\pm$ 70.995 χ^2 /NDF: 0.0/0

Right Out: -121.814 $\pm$ 24.516 χ^2 /NDF: 40.5/19

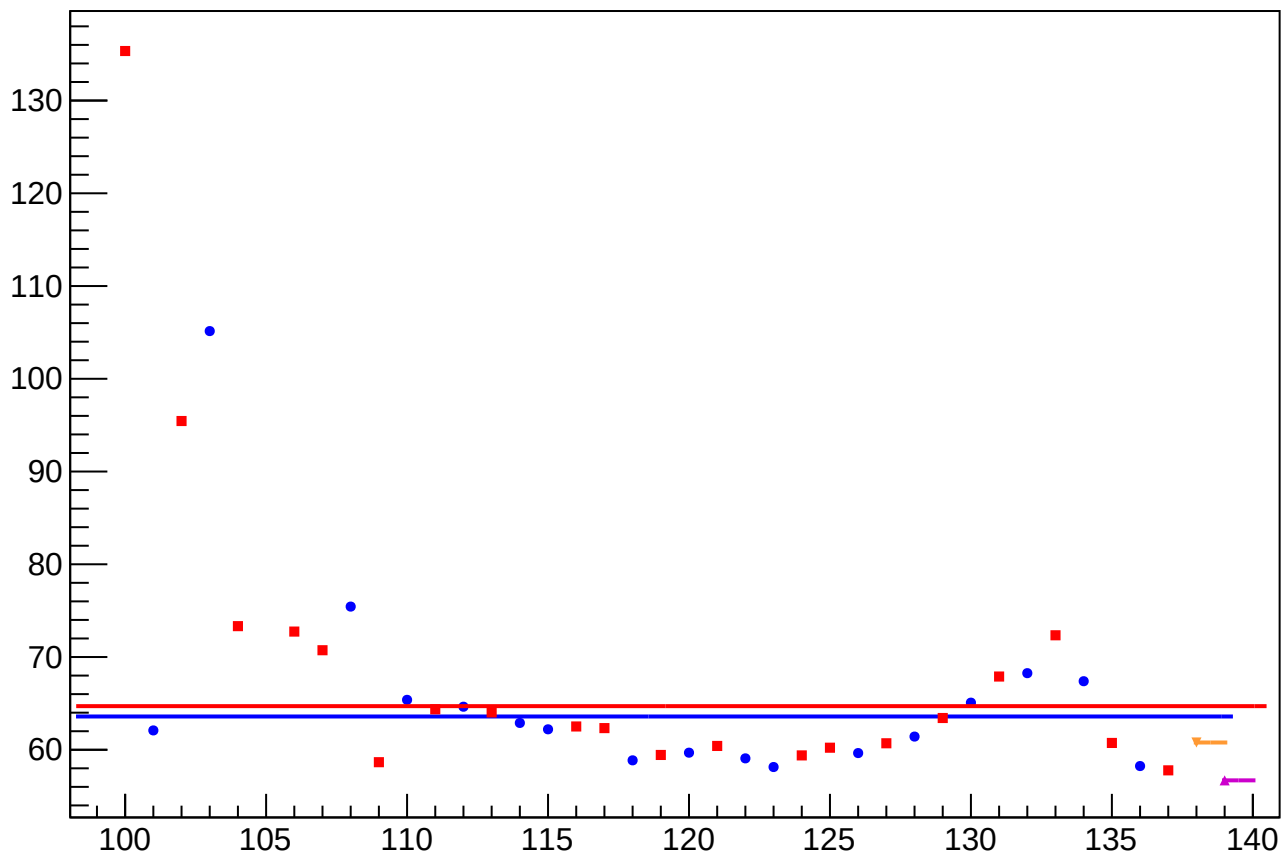
Left In: -131.674 $\pm$ 66.612 χ^2 /NDF: 0.0/0

-216.044 $\pm$ 23.480 χ^2 /NDF: 17.1/17

-168.571 $\pm$ 16.433 χ^2 /NDF: 65.6/38

-122.990 $\pm$ 23.008 χ^2 /NDF: 40.5/20

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 60.784 $\pm$ 0.050 χ^2 /NDF: 0.0/0

Right Out: 64.704 $\pm$ 0.017 χ^2 /NDF: 227632.6/19

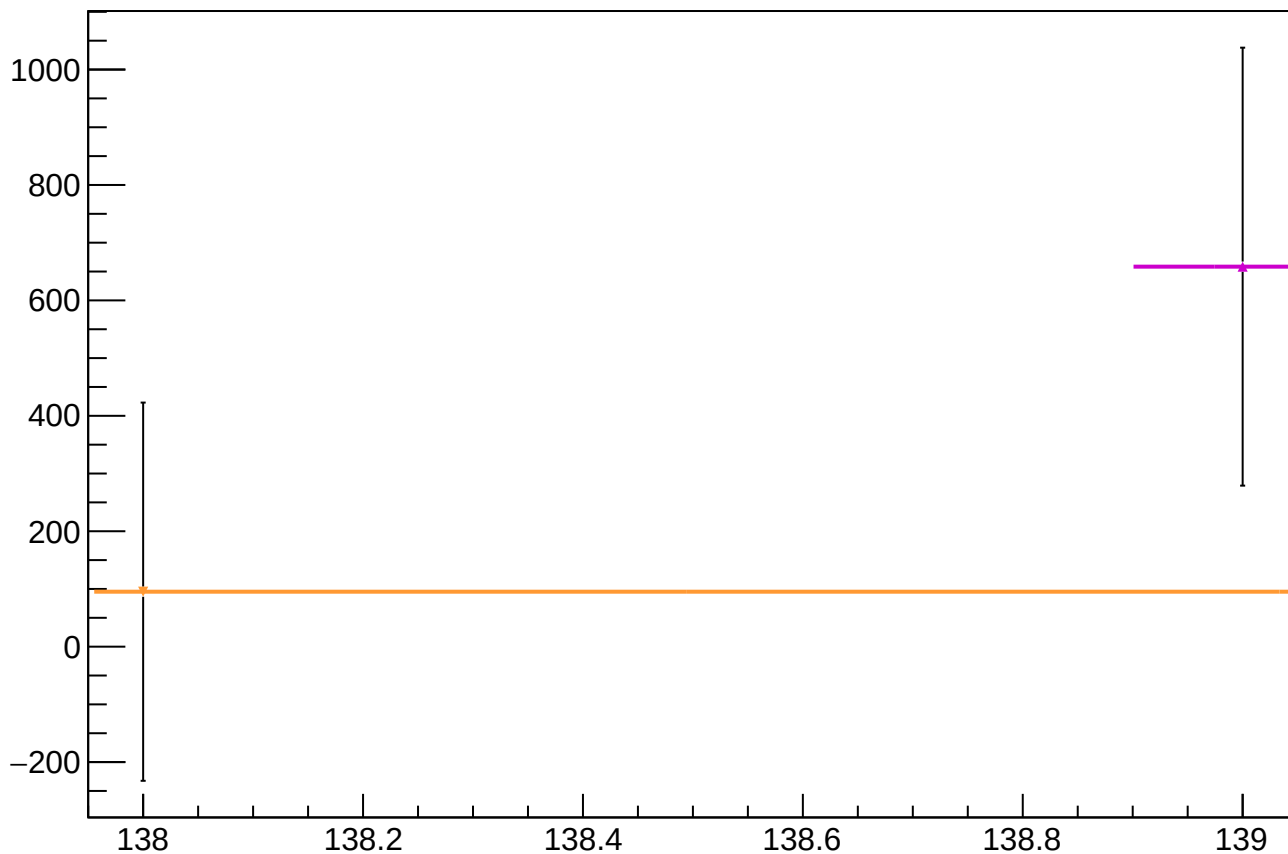
Left In: 56.702 $\pm$ 0.047 χ^2 /NDF: 0.0/0

63.282 $\pm$ 0.017 χ^2 /NDF: 237380.8/17

63.521 $\pm$ 0.012 χ^2 /NDF: 490836.6/38

63.749 $\pm$ 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: 95.251+/-327.671 χ^2/NDF : 0.0/0

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

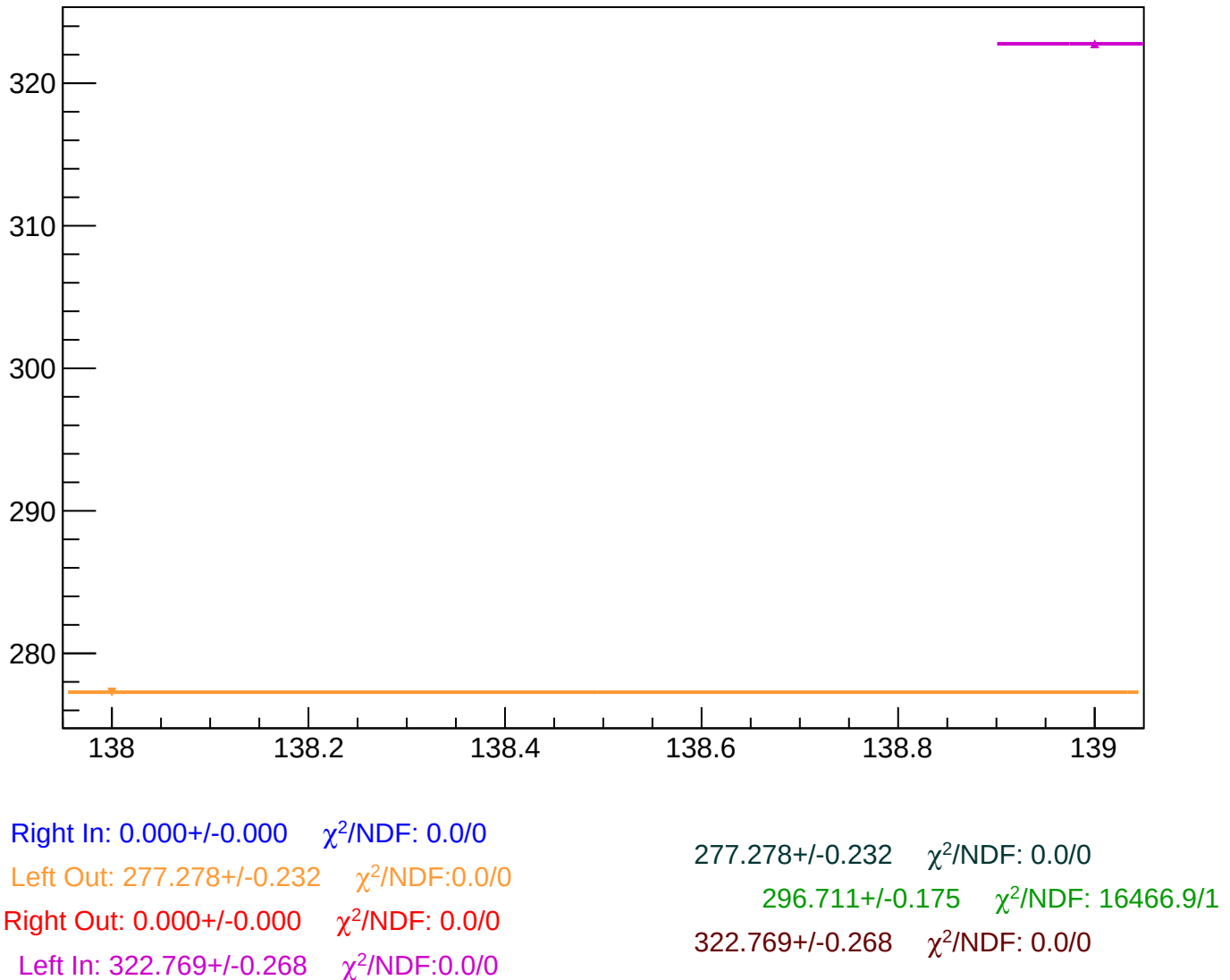
Left In: 658.464+/-379.437 χ^2/NDF : 0.0/0

95.251+/-327.671 χ^2/NDF : 0.0/0

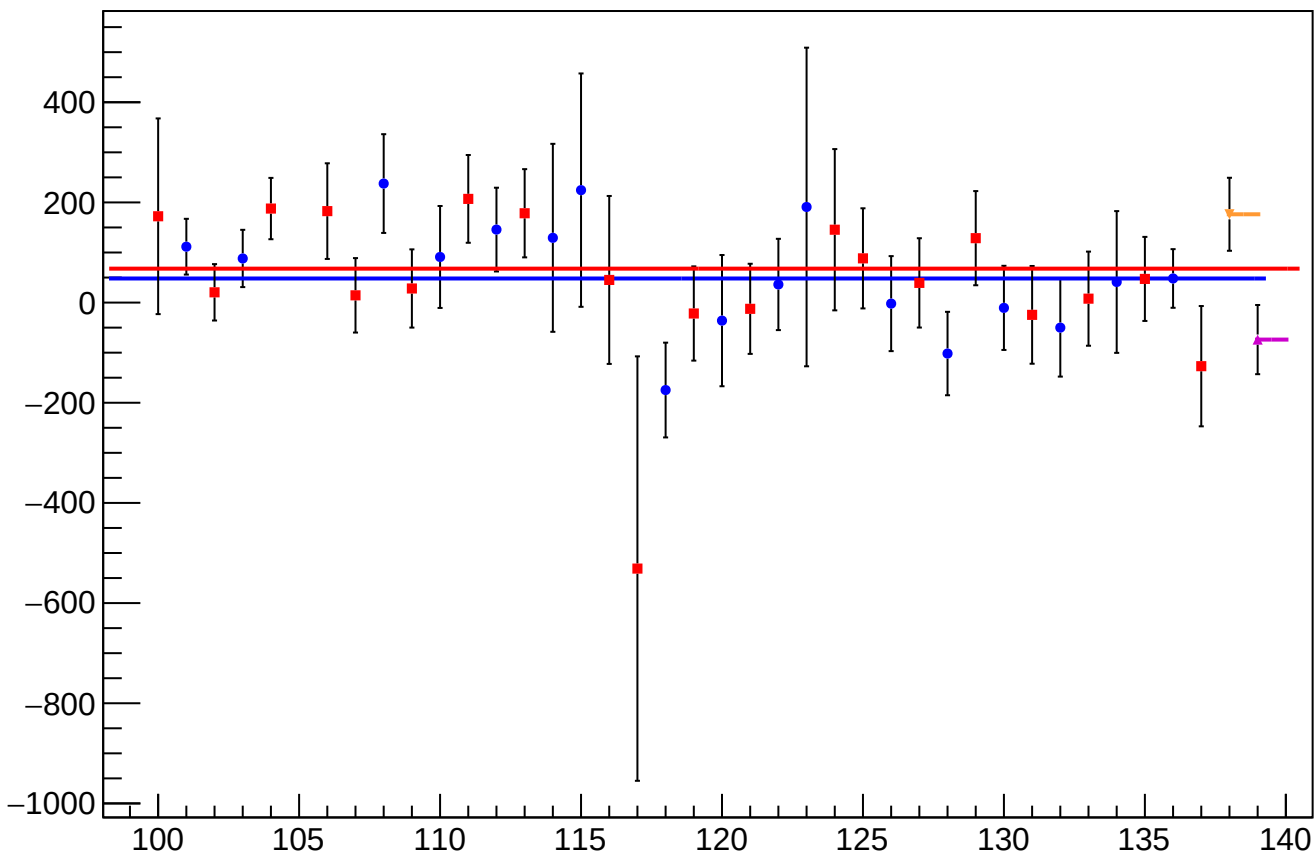
335.847+/-247.997 χ^2/NDF : 1.3/1

658.464+/-379.437 χ^2/NDF : 0.0/0

asym_sam8_correction_rms vs Slug, Sign Corrected



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: 176.323 $\pm$ 72.888 χ^2 /NDF: 0.0/0

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

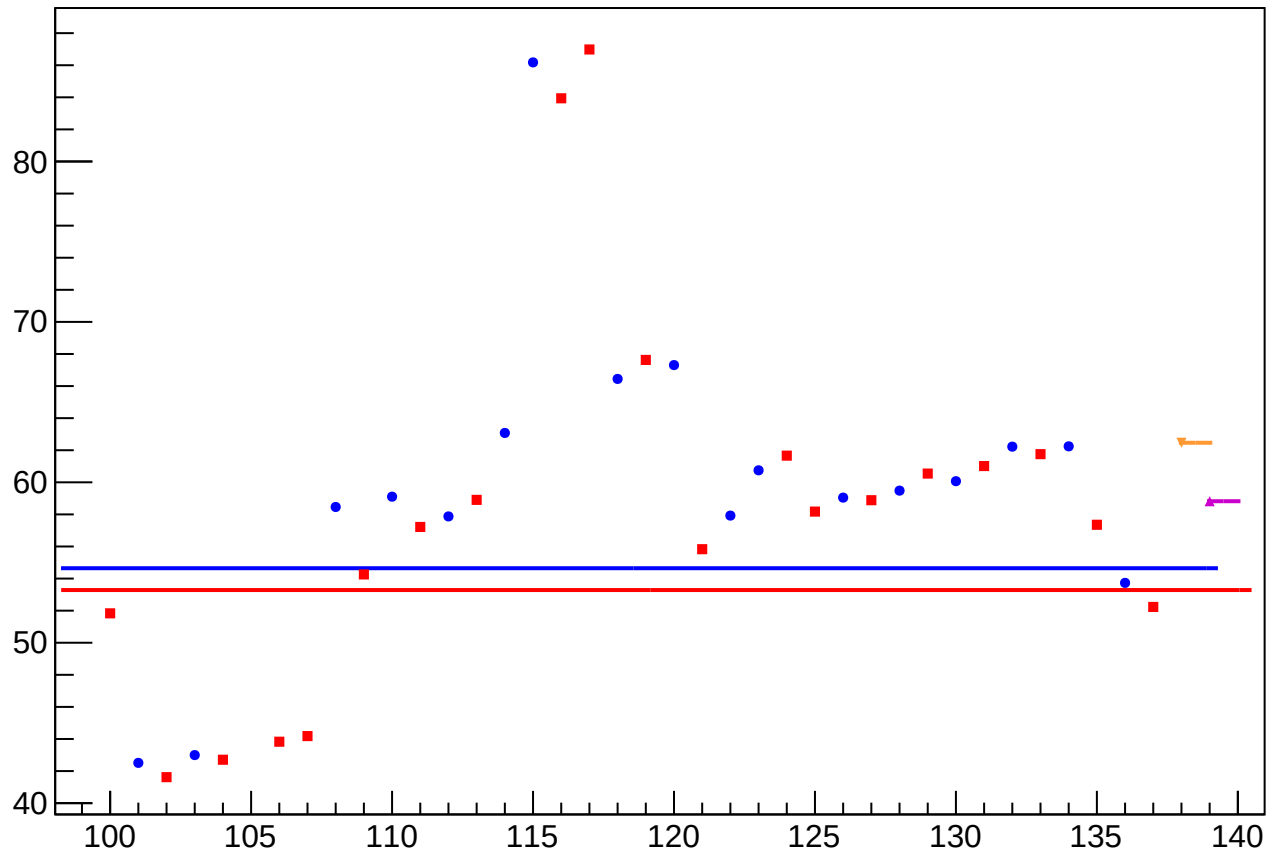
Left In: -73.881 $\pm$ 69.078 χ^2 /NDF: 0.0/0

58.381 $\pm$ 20.631 χ^2 /NDF: 21.8/17

57.348 $\pm$ 14.191 χ^2 /NDF: 45.3/38

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 ± 0.015 χ^2/NDF : 319300.2/16

Left Out: 62.466 ± 0.052 χ^2/NDF : 0.0/0

Right Out: 53.285 ± 0.014 χ^2/NDF : 398973.0/19

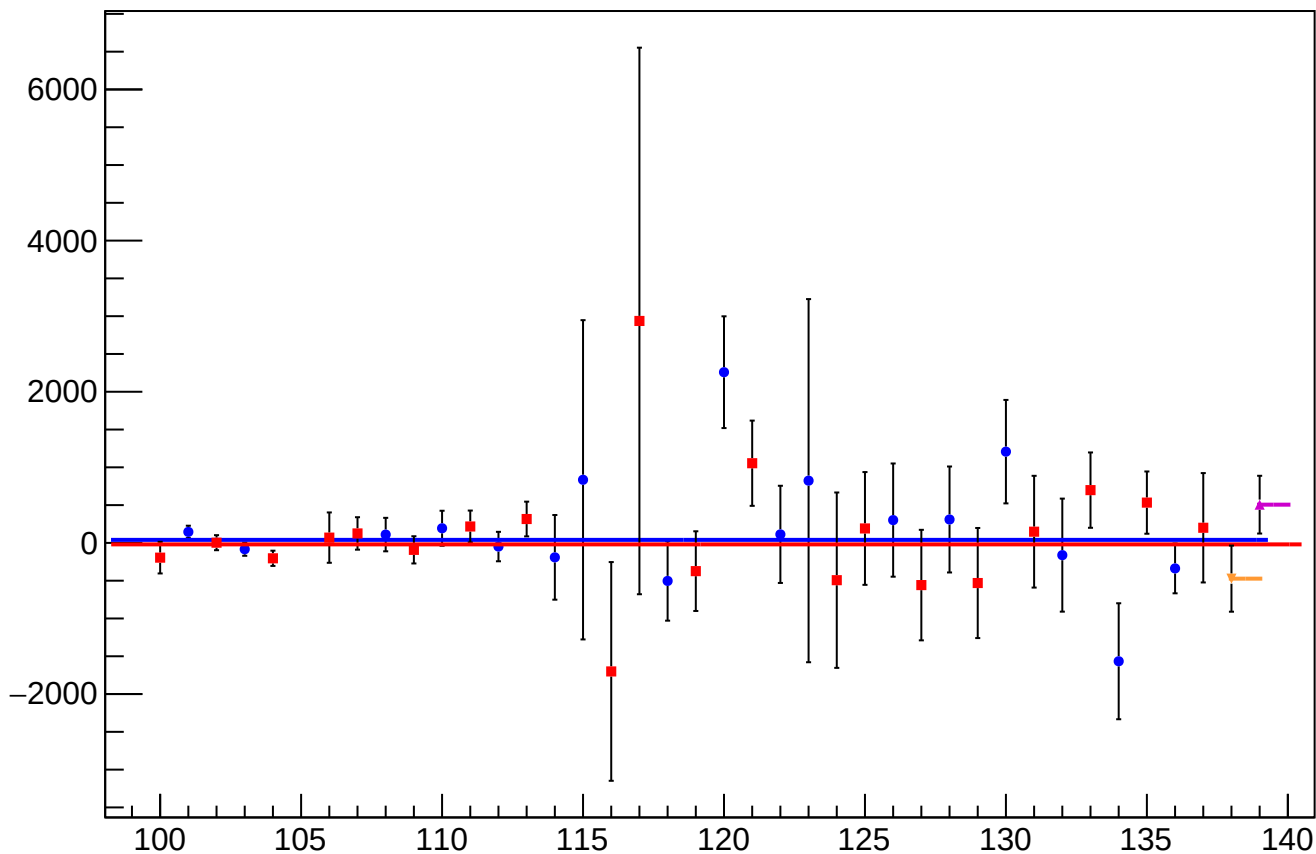
Left In: 58.822 ± 0.049 χ^2/NDF : 0.0/0

55.271 ± 0.015 χ^2/NDF : 340484.5/17

54.459 ± 0.010 χ^2/NDF : 757171.7/38

53.729 ± 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: -472.918+/-437.414 χ^2/NDF : 0.0/0

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

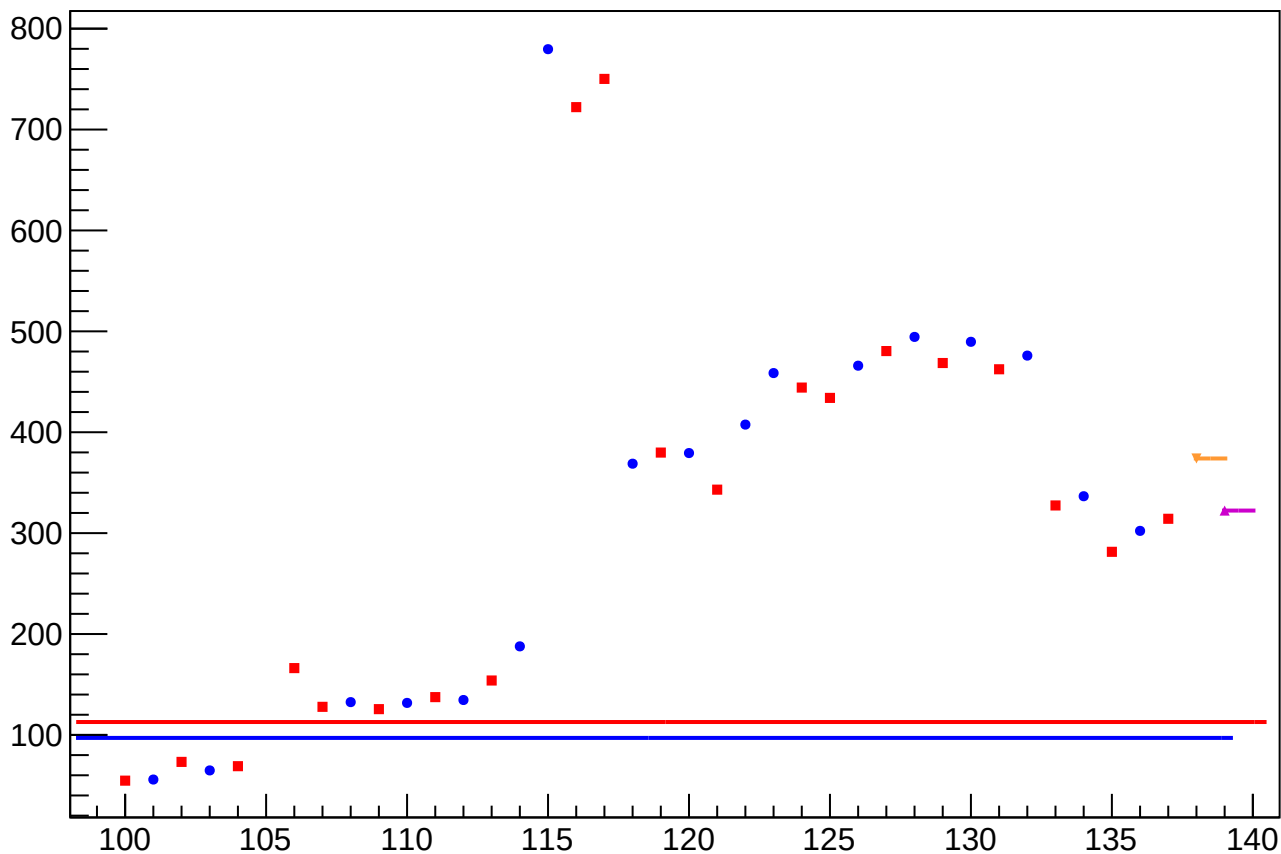
Left In: 505.977+/-382.109 χ^2/NDF : 0.0/0

33.180+/-51.188 χ^2/NDF : 25.2/17

12.450+/-36.738 χ^2/NDF : 47.0/38

-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: 373.989+/-0.309 χ^2/NDF : 0.0/0

Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

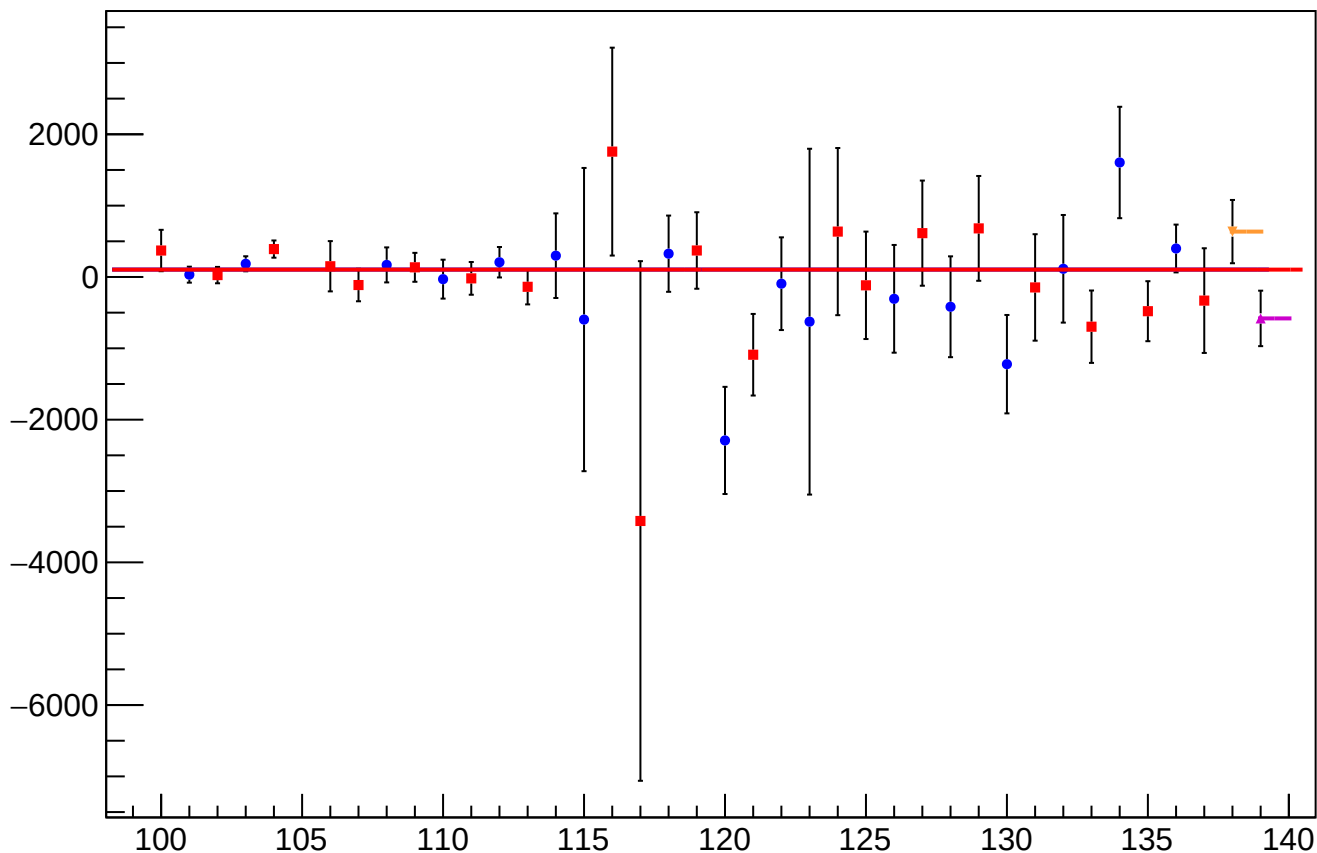
Left In: 322.362+/-0.270 χ^2/NDF : 0.0/0

100.832+/-0.036 χ^2/NDF : 6610496.6/17

108.568+/-0.026 χ^2/NDF : 12393317.7/38

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: 636.038 $\pm$ 443.551 χ^2 /NDF:0.0/0

Right Out: 103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

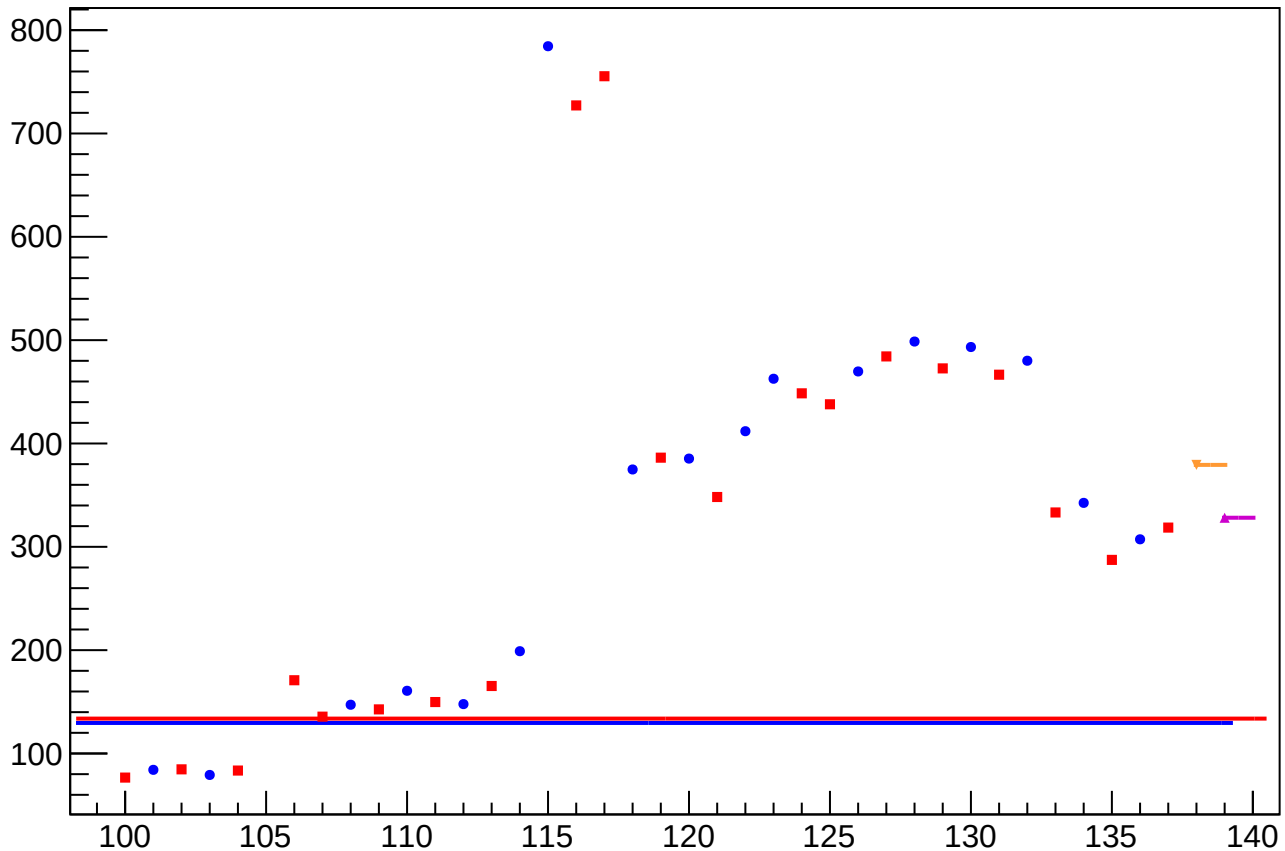
Left In: -580.730 $\pm$ 388.723 χ^2 /NDF:0.0/0

114.573 $\pm$ 62.526 χ^2 /NDF: 22.7/17

100.141 $\pm$ 43.335 χ^2 /NDF: 48.1/38

86.799 $\pm$ 60.116 χ^2 /NDF: 25.3/20

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 379.283 $\pm$ 0.314 χ^2 /NDF: 0.0/0

Right Out: 133.766 $\pm$ 0.043 χ^2 /NDF: 4424544.5/19

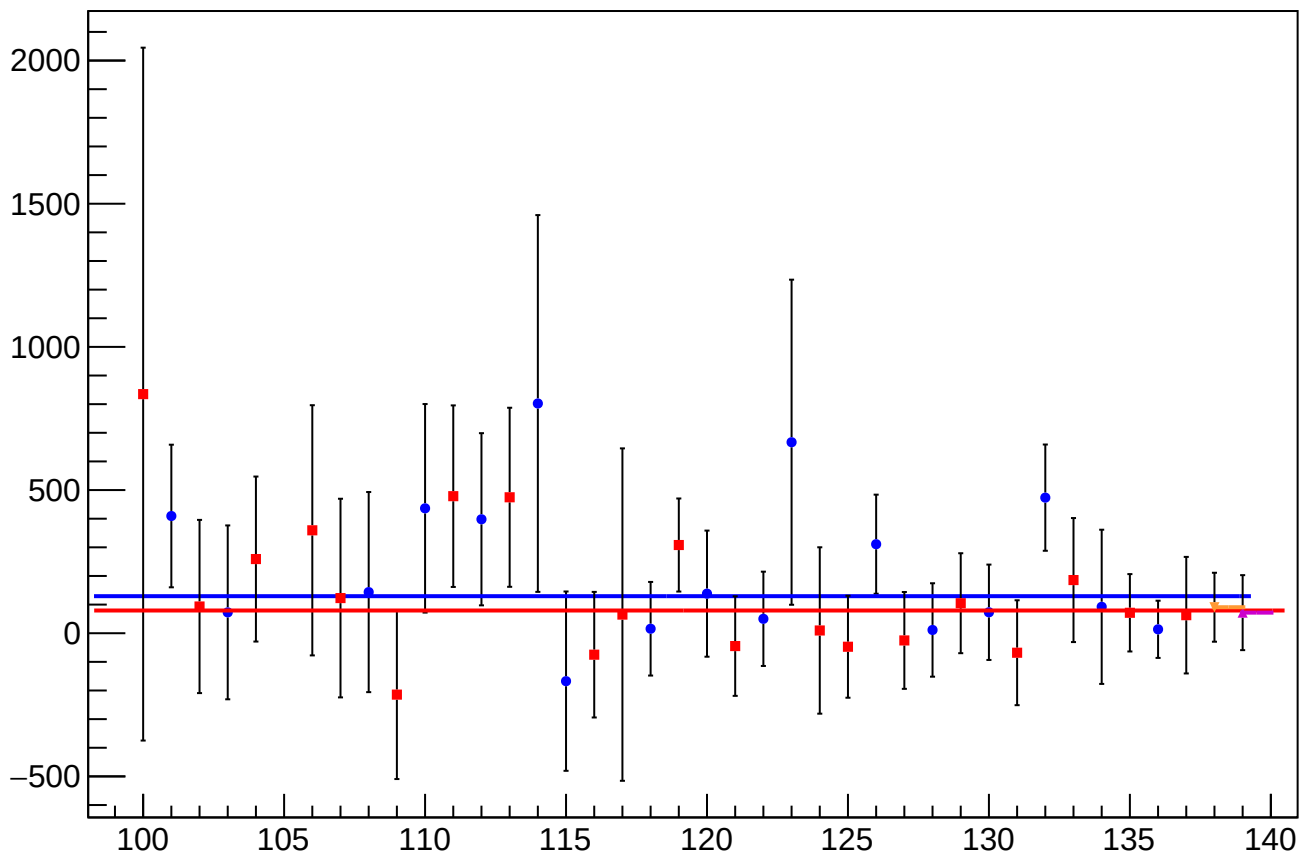
Left In: 328.148 $\pm$ 0.275 χ^2 /NDF: 0.0/0

134.514 $\pm$ 0.044 χ^2 /NDF: 5393852.1/17

136.541 $\pm$ 0.031 χ^2 /NDF: 10310584.0/38

138.415 $\pm$ 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: 90.779 $\pm$ 120.404 χ^2 /NDF:0.0/0

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

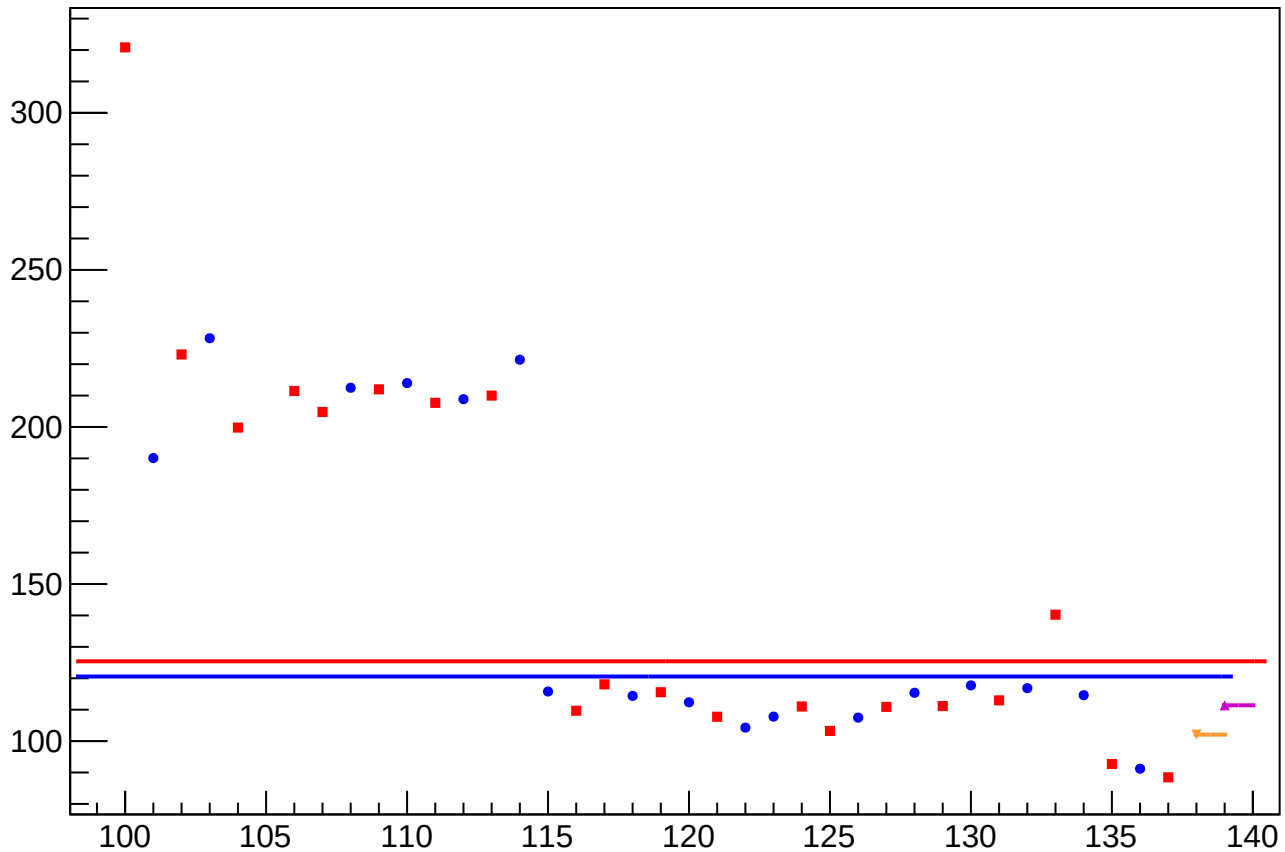
Left In: 71.916 $\pm$ 130.943 χ^2 /NDF:0.0/0

123.888 $\pm$ 45.482 χ^2 /NDF: 13.0/17

101.650 $\pm$ 32.504 χ^2 /NDF: 23.7/38

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: 102.065 $\pm$ 0.085 χ^2 /NDF: 0.0/0

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

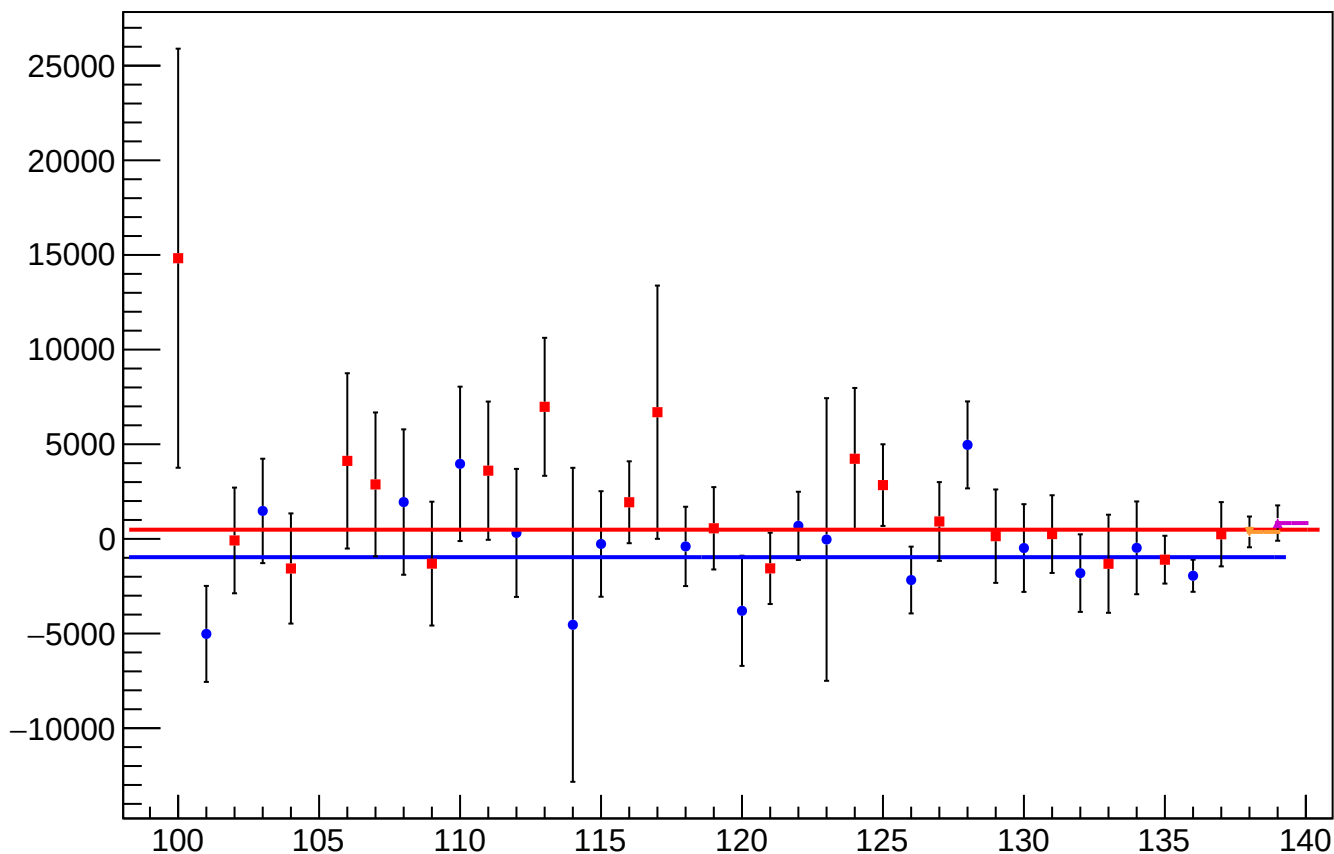
Left In: 111.394 $\pm$ 0.093 χ^2 /NDF: 0.0/0

117.925 $\pm$ 0.032 χ^2 /NDF: 1152555.9/17

120.721 $\pm$ 0.023 χ^2 /NDF: 2522092.5/38

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: 368.465+/-812.647 χ^2/NDF : 0.0/0

Right Out: 485.654+/-543.567 χ^2/NDF : 14.3/19

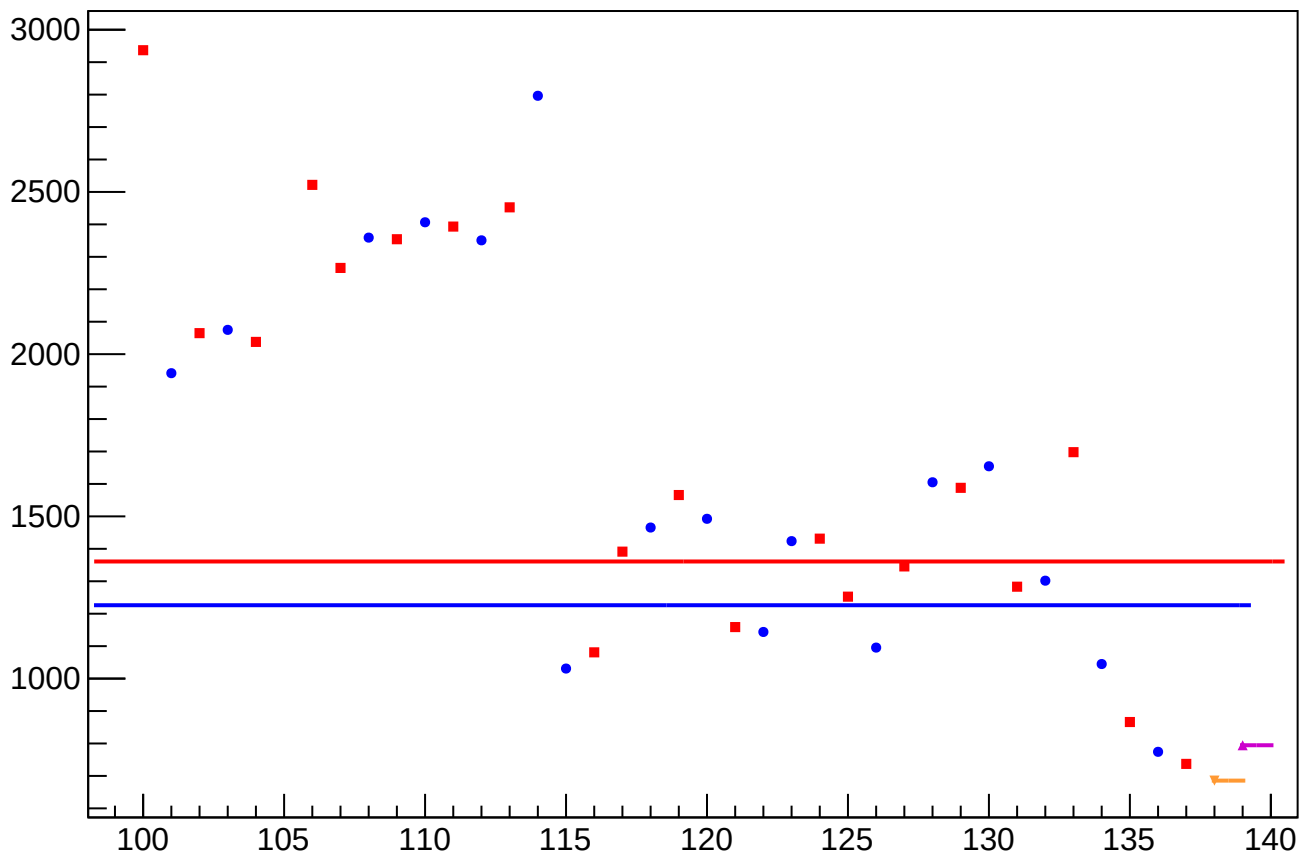
Left In: 835.584+/-933.343 χ^2/NDF : 0.0/0

-586.865+/-433.397 χ^2/NDF : 18.3/17

-52.911+/-318.524 χ^2/NDF : 36.0/38

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: 685.545 $\pm$ 0.575 χ^2 /NDF: 0.0/0

Right Out: 1360.972 $\pm$ 0.384 χ^2 /NDF: 1749116.2/19

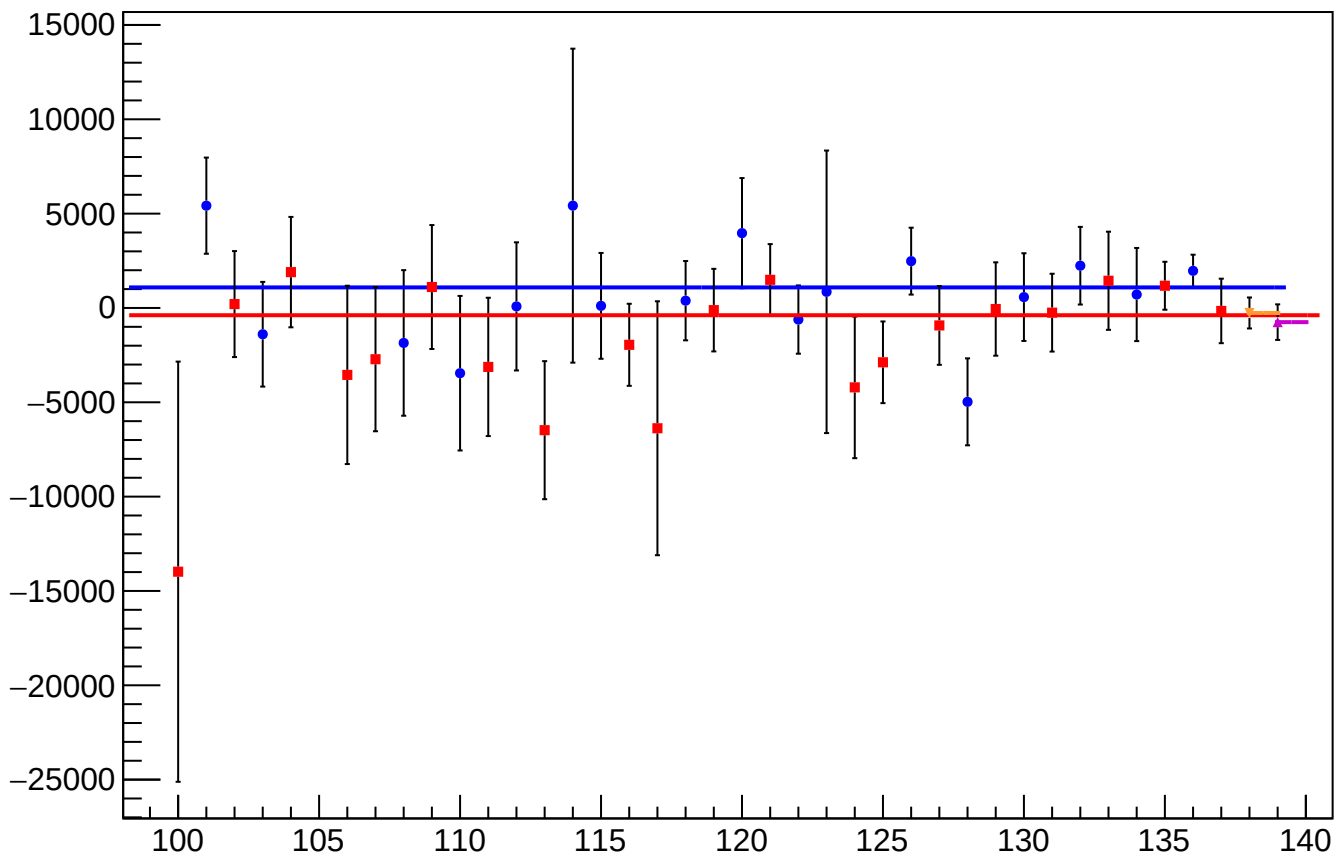
Left In: 794.571 $\pm$ 0.660 χ^2 /NDF: 0.0/0

1072.377 $\pm$ 0.306 χ^2 /NDF: 2389634.6/17

1139.120 $\pm$ 0.225 χ^2 /NDF: 4791891.0/38

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: -265.915+/-821.637 χ^2/NDF : 0.0/0

Right Out: -385.391+/-546.382 χ^2/NDF : 13.3/19

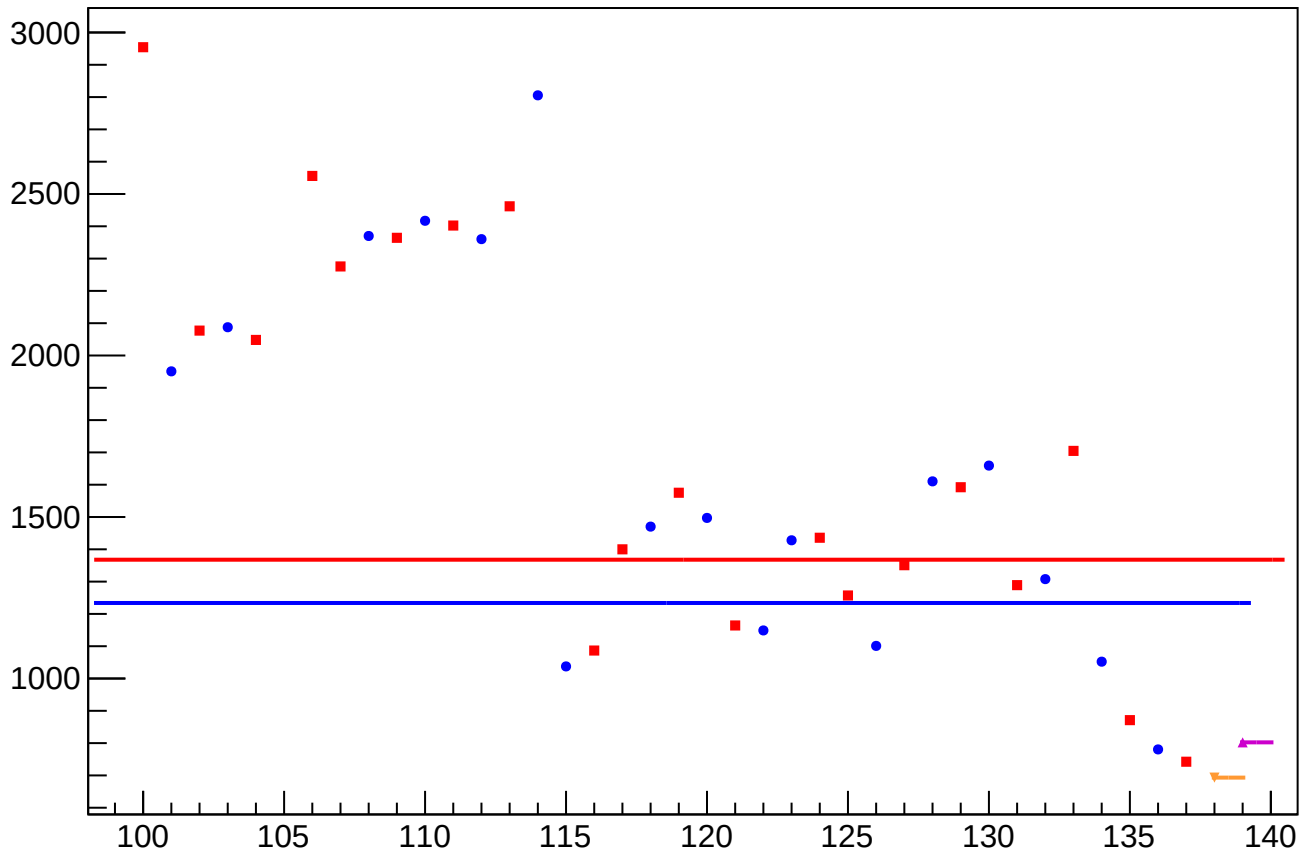
Left In: -751.634+/-942.513 χ^2/NDF : 0.0/0

706.590+/-436.532 χ^2/NDF : 18.9/17

161.563+/-320.699 χ^2/NDF : 35.7/38

-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: 693.227 $\pm$ 0.581 χ^2 /NDF: 0.0/0

Right Out: 1367.823 $\pm$ 0.386 χ^2 /NDF: 1744640.3/19

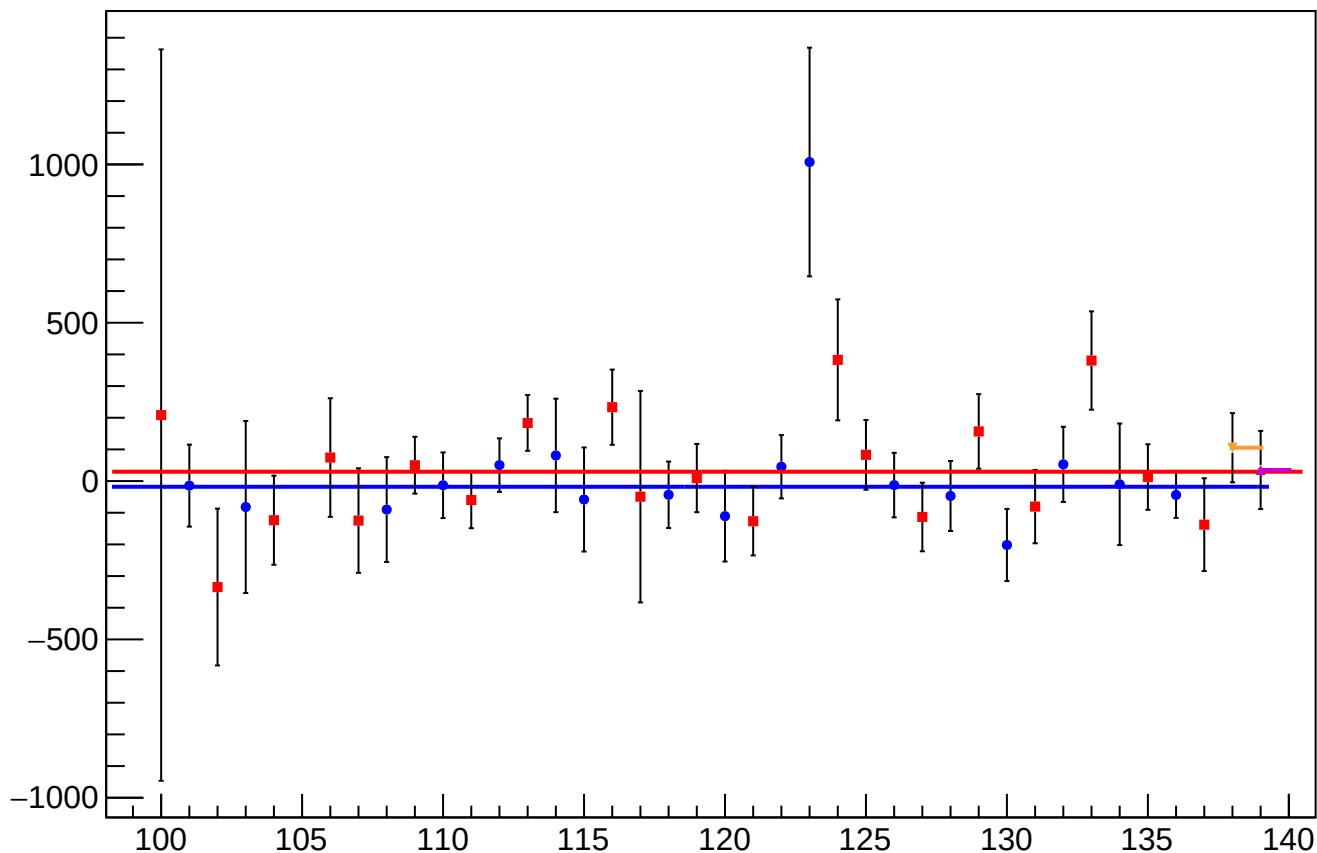
Left In: 802.373 $\pm$ 0.666 χ^2 /NDF: 0.0/0

1081.255 $\pm$ 0.309 χ^2 /NDF: 2365542.5/17

1147.693 $\pm$ 0.227 χ^2 /NDF: 4749615.2/38

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 χ^2/NDF : 13.4/16

Left Out: 105.370 ± 109.299 χ^2/NDF : 0.0/0

Right Out: 29.517 ± 27.879 χ^2/NDF : 27.5/19

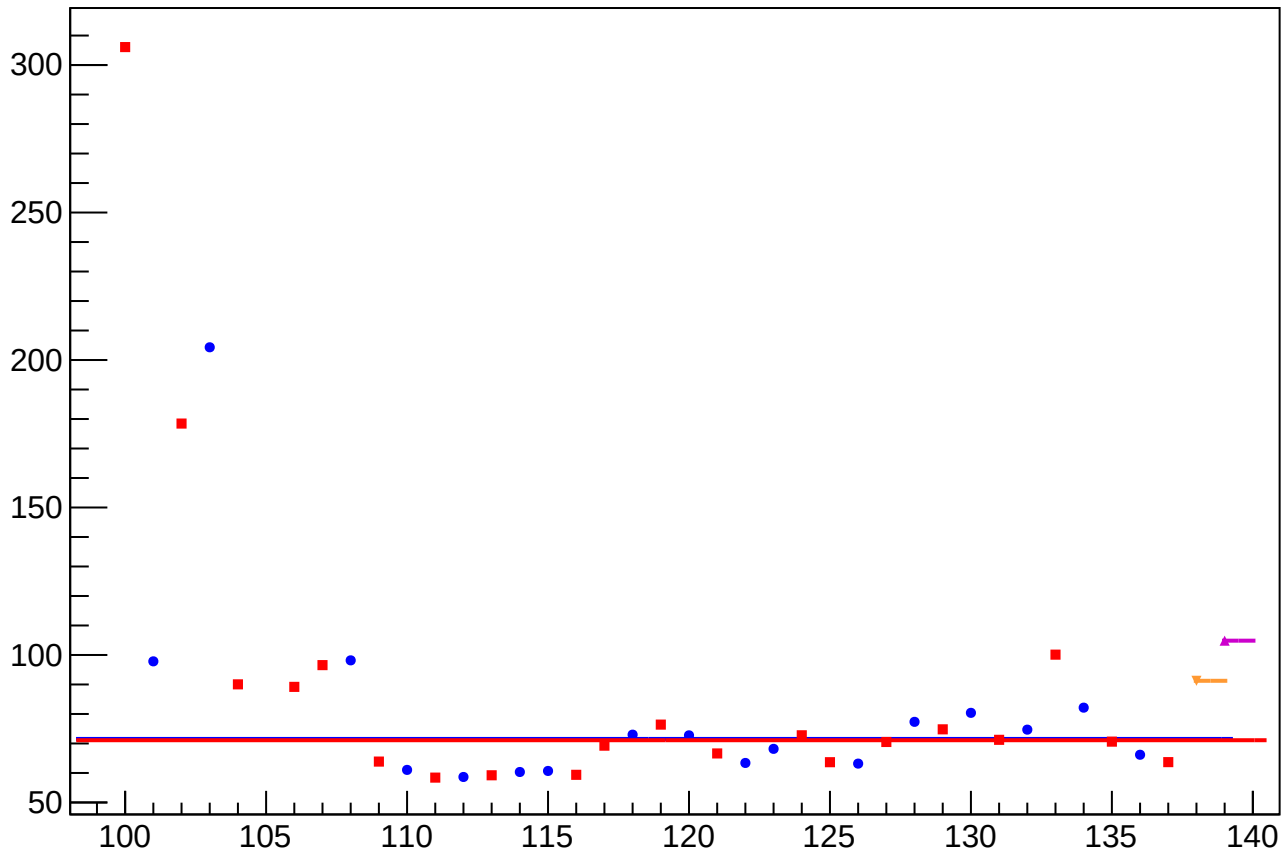
Left In: 35.062 ± 123.479 χ^2/NDF : 0.0/0

-9.939 ± 27.893 χ^2/NDF : 14.6/17

10.427 ± 19.471 χ^2/NDF : 43.1/38

29.786 ± 27.194 χ^2/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: 91.247 $\pm$ 0.077 χ^2 /NDF: 0.0/0

Right Out: 71.102 $\pm$ 0.020 χ^2 /NDF: 765220.8/19

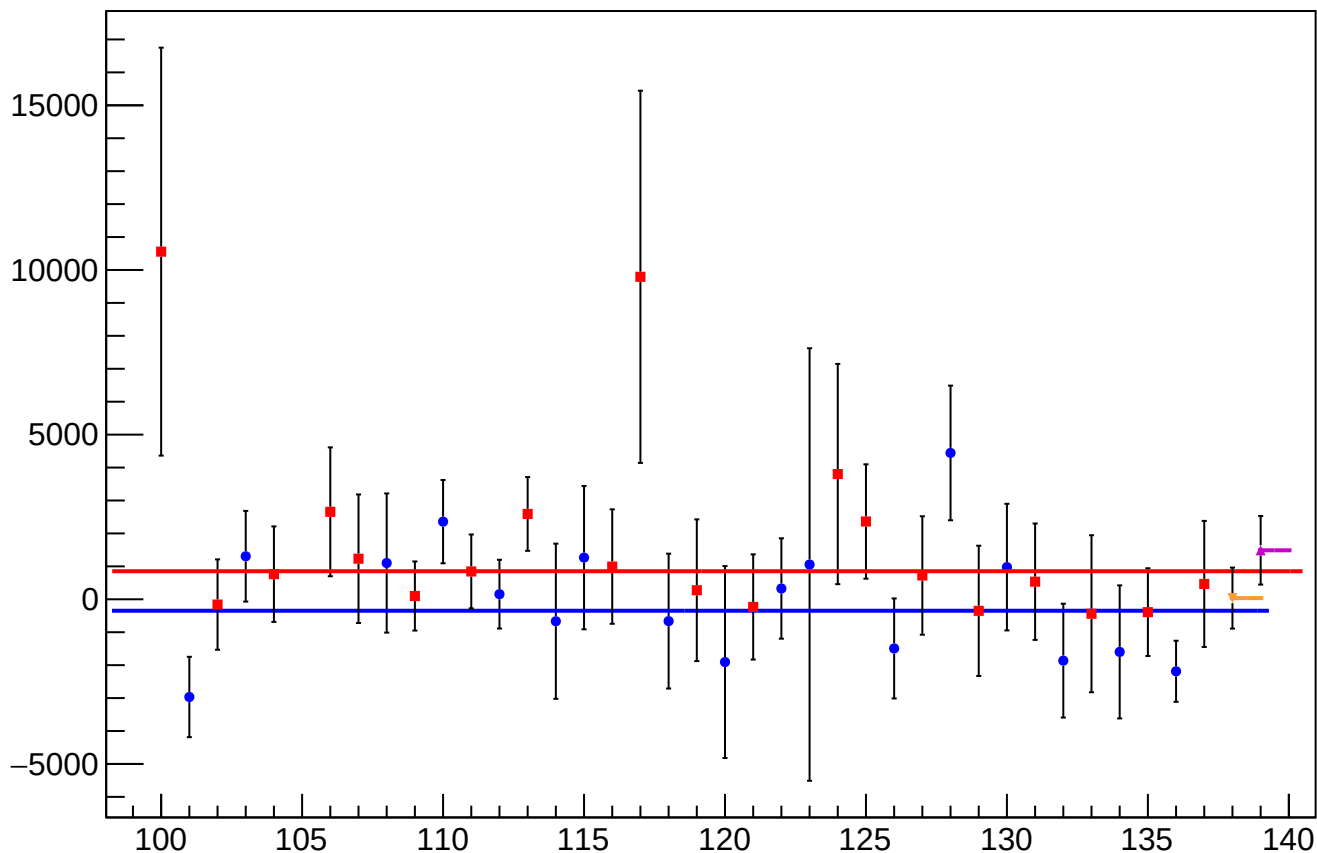
Left In: 104.851 $\pm$ 0.087 χ^2 /NDF: 0.0/0

72.819 $\pm$ 0.020 χ^2 /NDF: 819771.0/17

72.778 $\pm$ 0.014 χ^2 /NDF: 1727160.8/38

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: 36.490 ± 926.665 χ^2/NDF : 0.0/0

Right Out: 852.433 ± 369.018 χ^2/NDF : 13.0/19

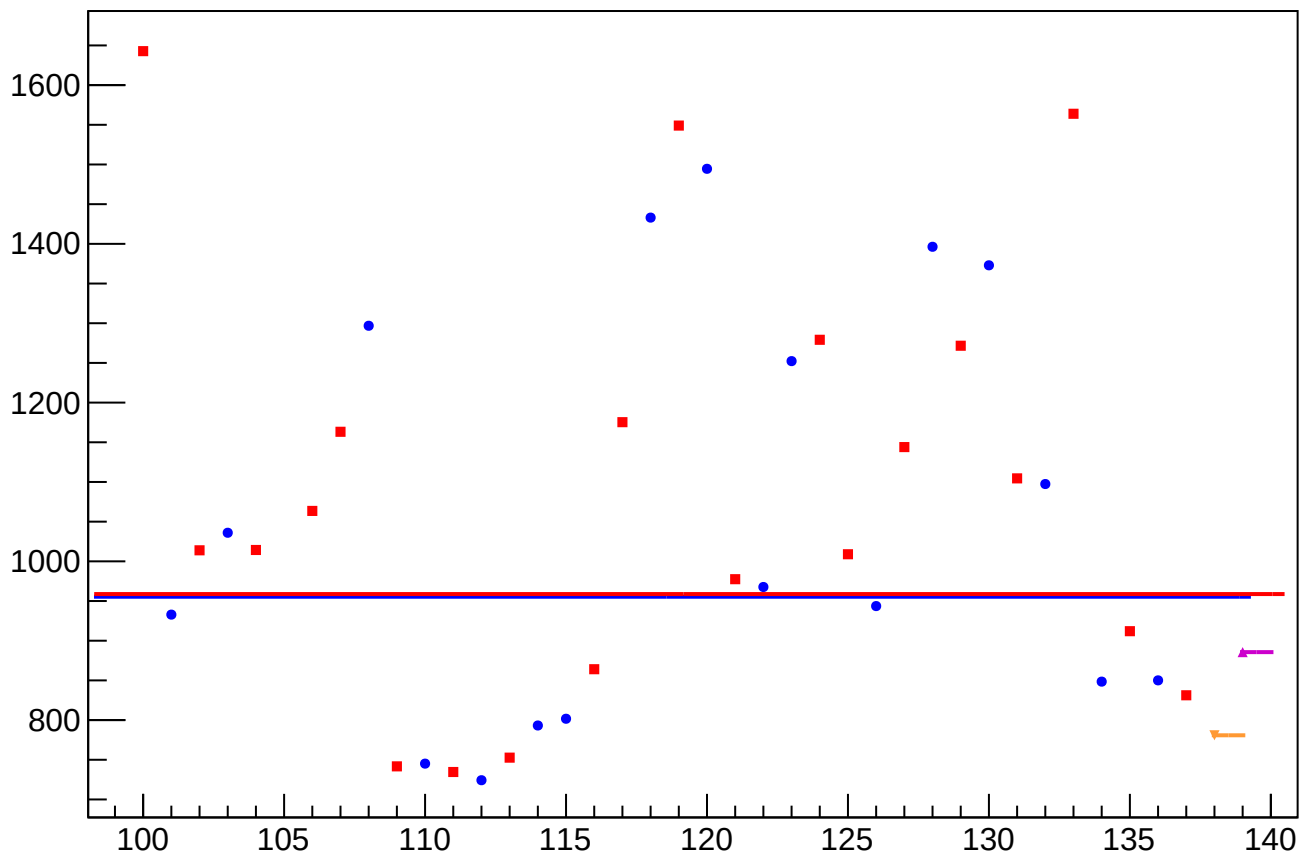
Left In: 1487.675 ± 1041.669 χ^2/NDF : 0.0/0

-292.102 ± 353.164 χ^2/NDF : 24.2/17

324.818 ± 247.820 χ^2/NDF : 43.6/38

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: 780.840+/-0.655 χ^2/NDF : 0.0/0

Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

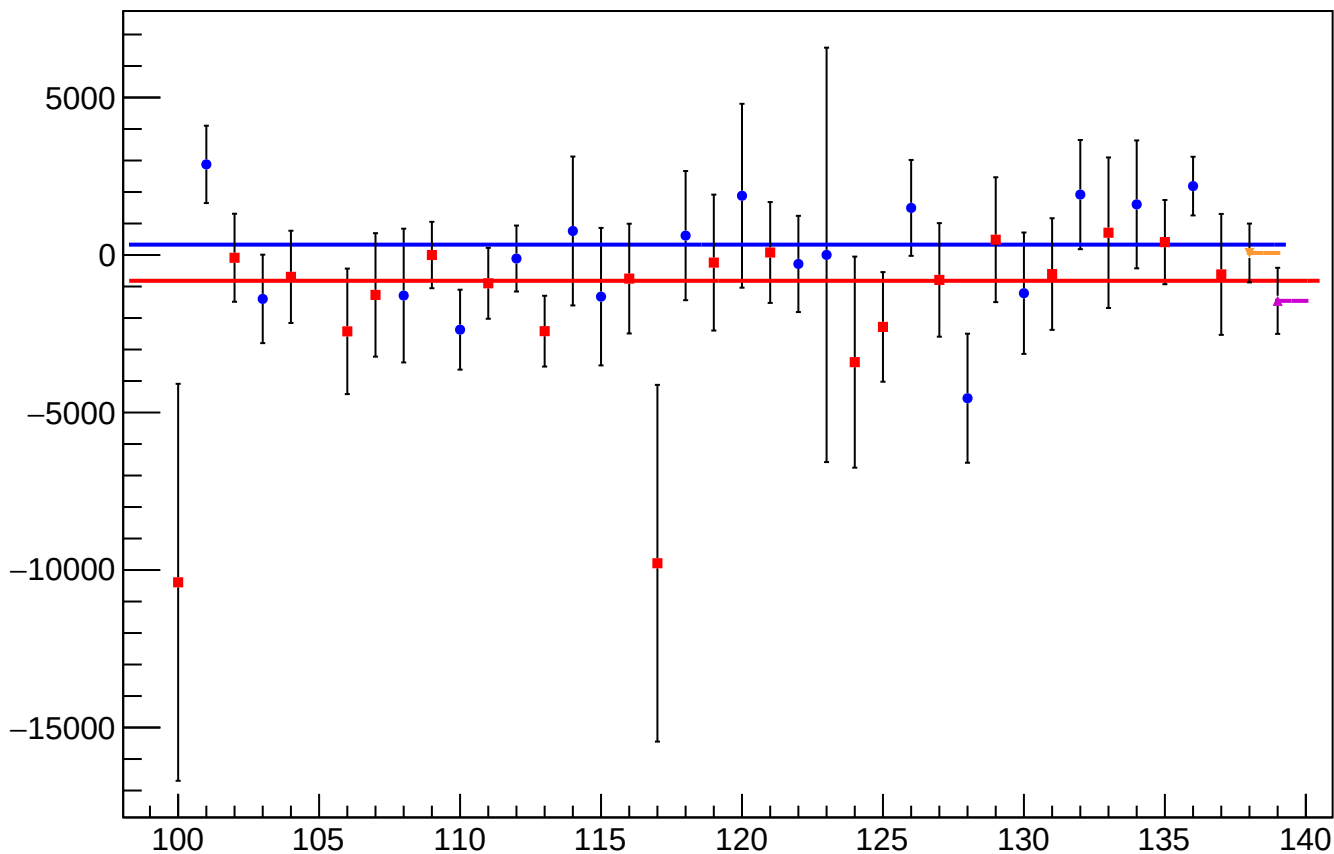
Left In: 885.618+/-0.737 χ^2/NDF : 0.0/0

930.067+/-0.250 χ^2/NDF : 707191.8/17

940.499+/-0.175 χ^2/NDF : 1415425.8/38

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: 64.417+/-933.207 χ^2/NDF : 0.0/0

Right Out: -818.253+/-370.875 χ^2/NDF : 11.8/19

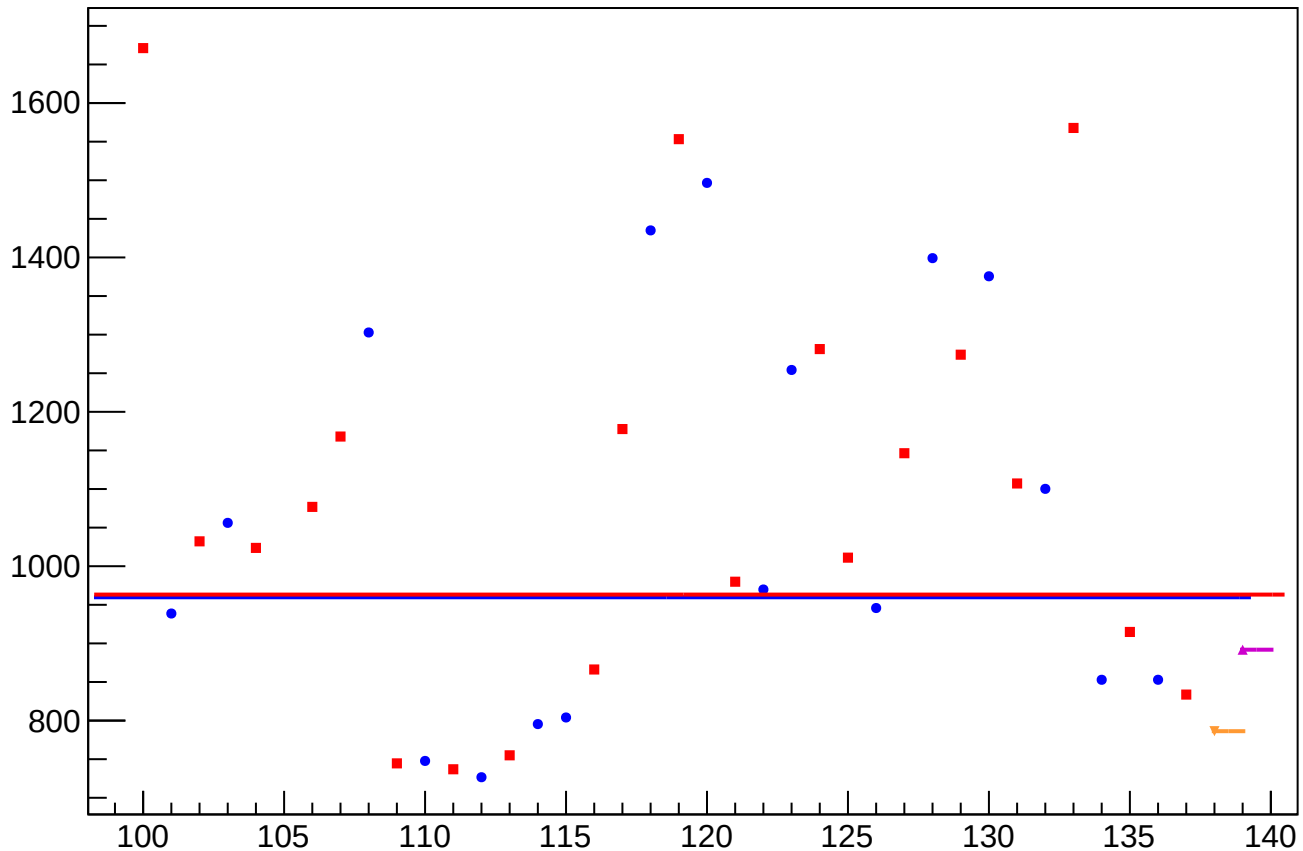
Left In: -1455.077+/-1049.004 χ^2/NDF : 0.0/0

290.874+/-354.896 χ^2/NDF : 24.4/17

-307.829+/-249.079 χ^2/NDF : 42.1/38

-889.009+/-349.664 χ^2/NDF : 12.2/20

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 786.276+/-0.660 χ^2/NDF : 0.0/0

Right Out: 963.238+/-0.262 χ^2/NDF : 698638.3/19

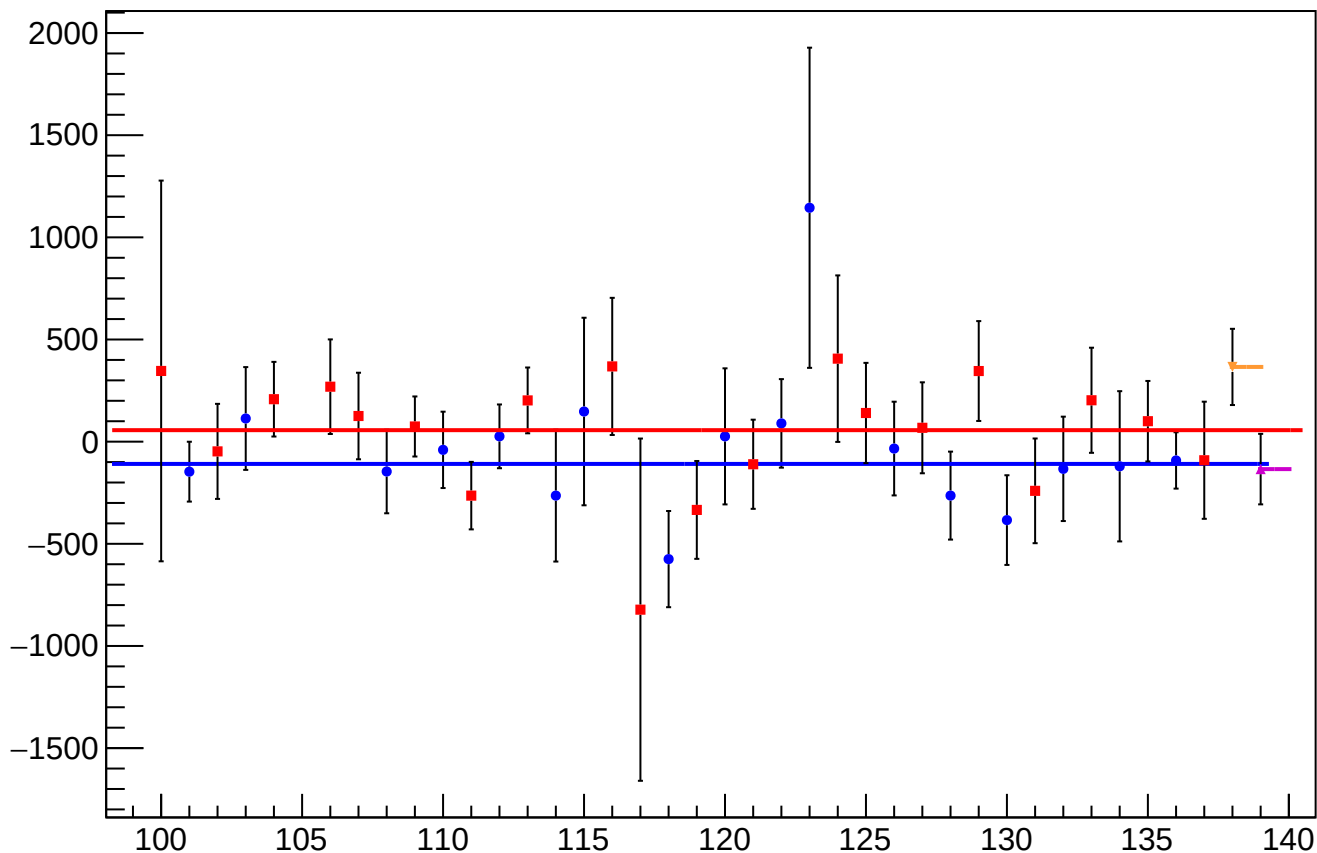
Left In: 891.848+/-0.742 χ^2/NDF : 0.0/0

934.679+/-0.251 χ^2/NDF : 705857.3/17

945.145+/-0.176 χ^2/NDF : 1416157.6/38

955.306+/-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: 365.760 ± 186.531 χ^2/NDF : 0.0/0

Right Out: 56.241 ± 50.729 χ^2/NDF : 16.0/19

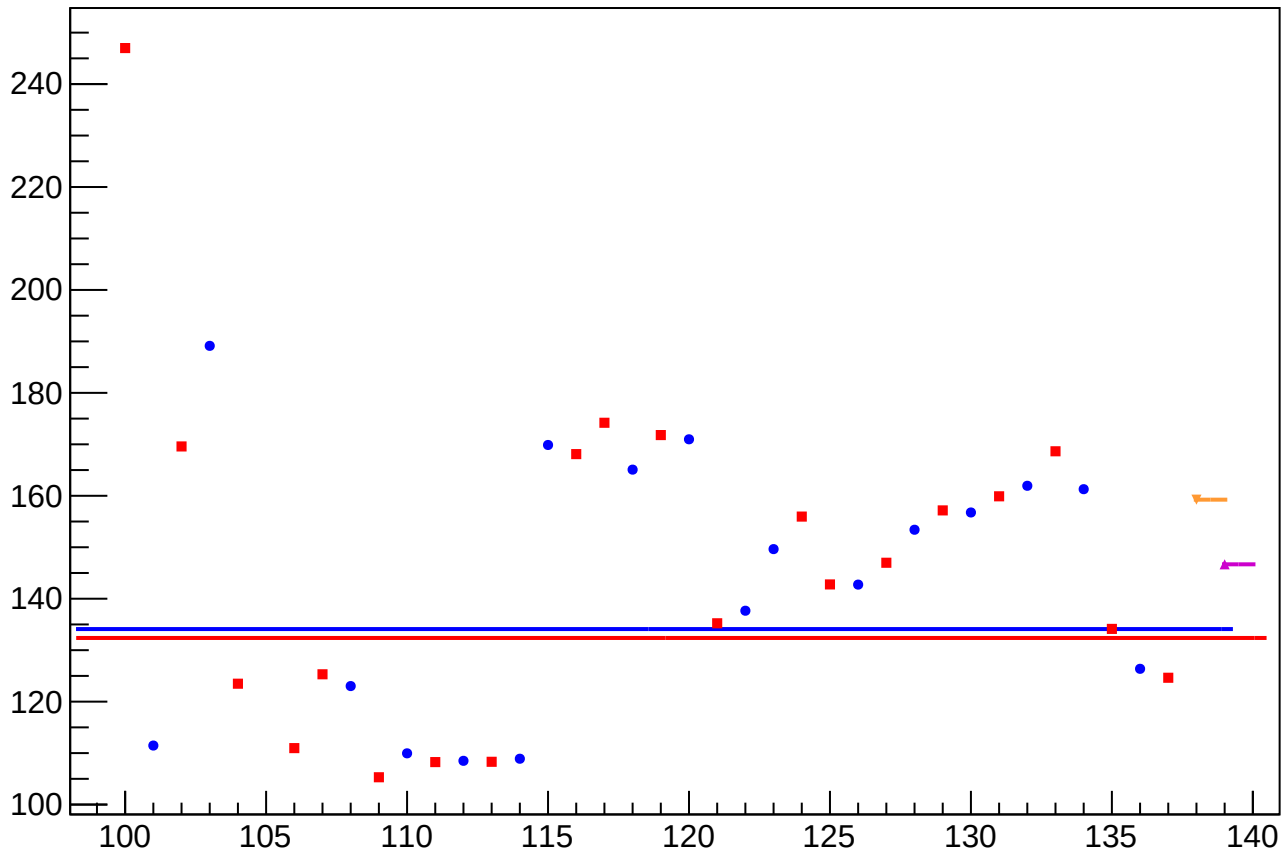
Left In: -134.350 ± 172.588 χ^2/NDF : 0.0/0

-73.609 ± 50.913 χ^2/NDF : 18.0/17

-13.680 ± 35.181 χ^2/NDF : 37.8/38

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: 159.247+/-0.132 χ^2/NDF : 0.0/0

Right Out: 132.373+/-0.036 χ^2/NDF : 446741.9/19

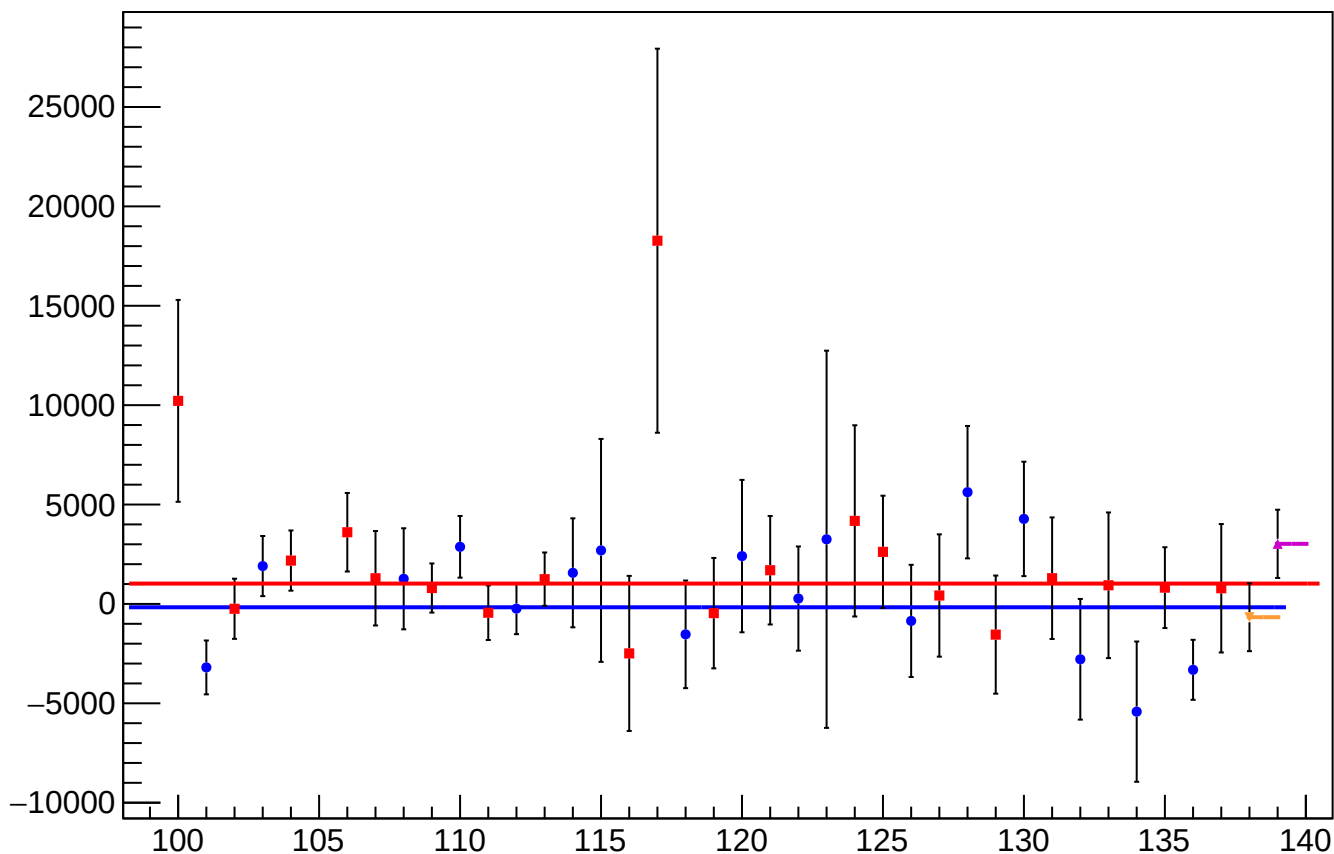
Left In: 146.683+/-0.122 χ^2/NDF : 0.0/0

135.976+/-0.036 χ^2/NDF : 436213.8/17

134.688+/-0.025 χ^2/NDF : 898063.6/38

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: -668.470+/-1708.375 χ^2/NDF : 0.0/0

Right Out: 1023.271+/-480.373 χ^2/NDF : 13.4/19

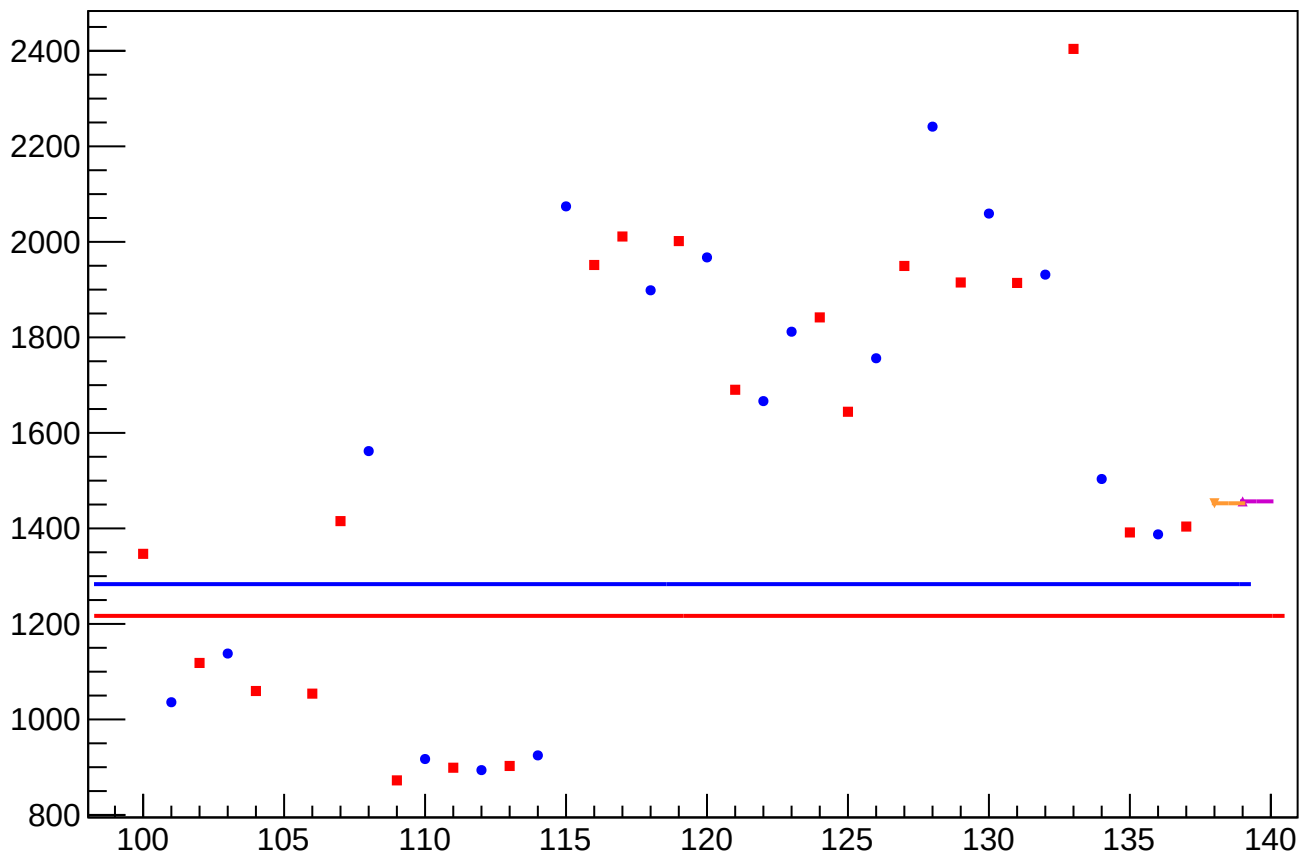
Left In: 3022.914+/-1716.892 χ^2/NDF : 0.0/0

-211.203+/-500.678 χ^2/NDF : 25.4/17

533.063+/-339.776 χ^2/NDF : 44.1/38

1168.446+/-462.607 χ^2/NDF : 14.6/20

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1452.615+/-1.208 χ^2/NDF : 0.0/0

Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

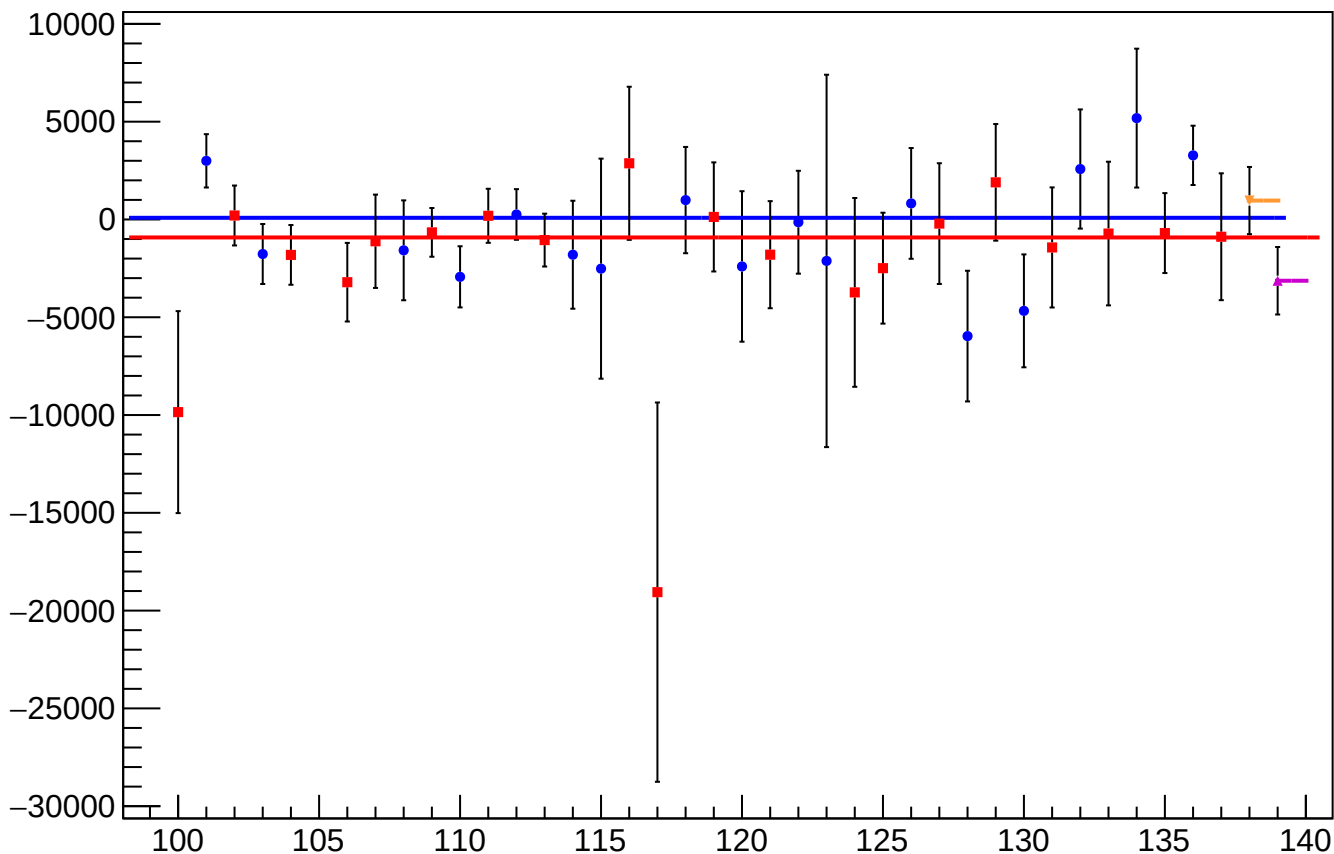
Left In: 1456.618+/-1.214 χ^2/NDF : 0.0/0

1297.859+/-0.354 χ^2/NDF : 1187385.4/17

1263.549+/-0.240 χ^2/NDF : 2615384.3/38

1234.259+/-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: 966.214 ± 1718.961 χ^2/NDF : 0.0/0

Right Out: -919.892 ± 484.043 χ^2/NDF : 12.2/19

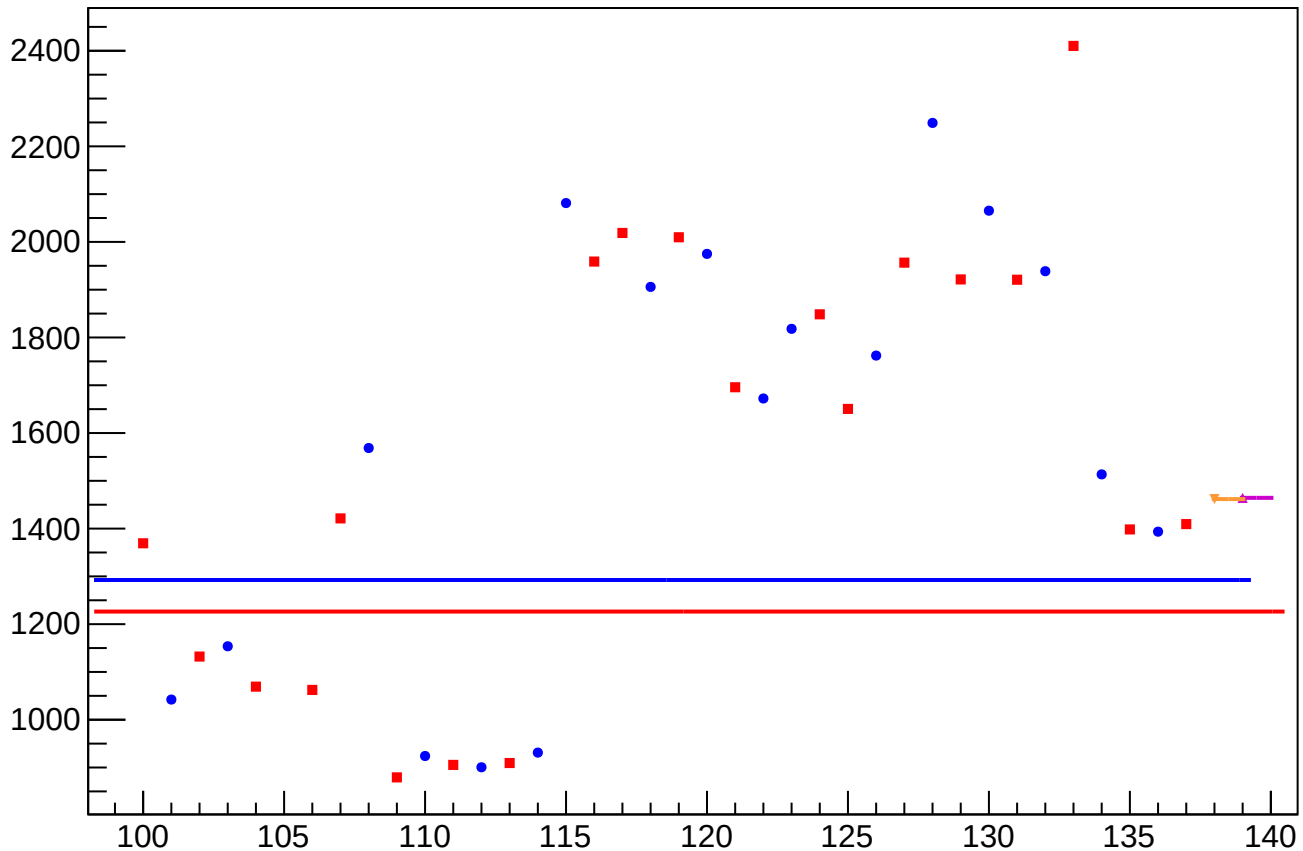
Left In: -3133.710 ± 1725.907 χ^2/NDF : 0.0/0

160.802 ± 503.925 χ^2/NDF : 24.9/17

-508.675 ± 342.158 χ^2/NDF : 41.9/38

-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: 1461.780 $\pm$ 1.215 χ^2 /NDF: 0.0/0

Right Out: 1226.408 $\pm$ 0.342 χ^2 /NDF: 1359134.9/19

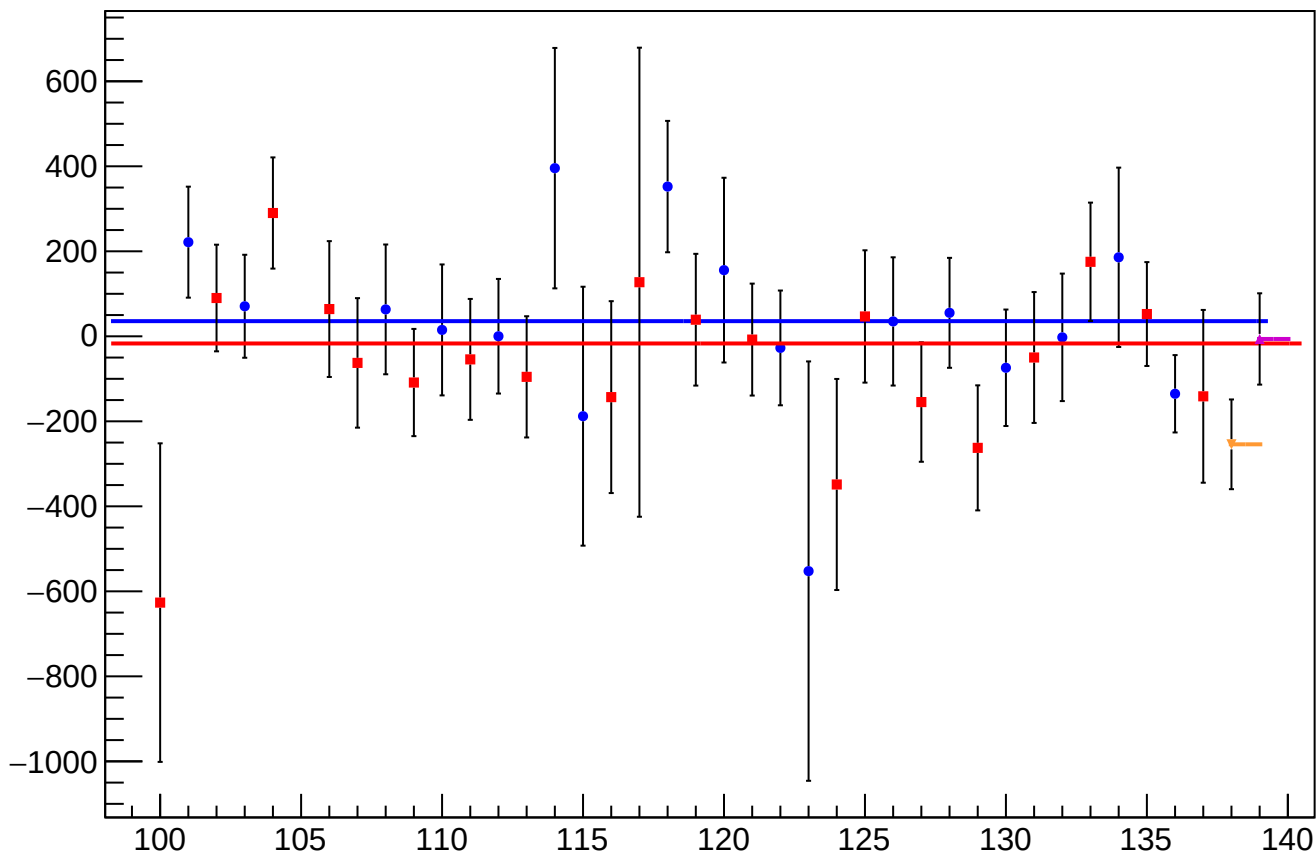
Left In: 1464.374 $\pm$ 1.220 χ^2 /NDF: 0.0/0

1306.980 $\pm$ 0.356 χ^2 /NDF: 1174320.6/17

1272.906 $\pm$ 0.242 χ^2 /NDF: 2585669.7/38

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 $\pm$ 36.350 χ^2 /NDF: 15.3/16

Left Out: -254.112 $\pm$ 105.563 χ^2 /NDF: 0.0/0

Right Out: -16.849 $\pm$ 34.623 χ^2 /NDF: 19.0/19

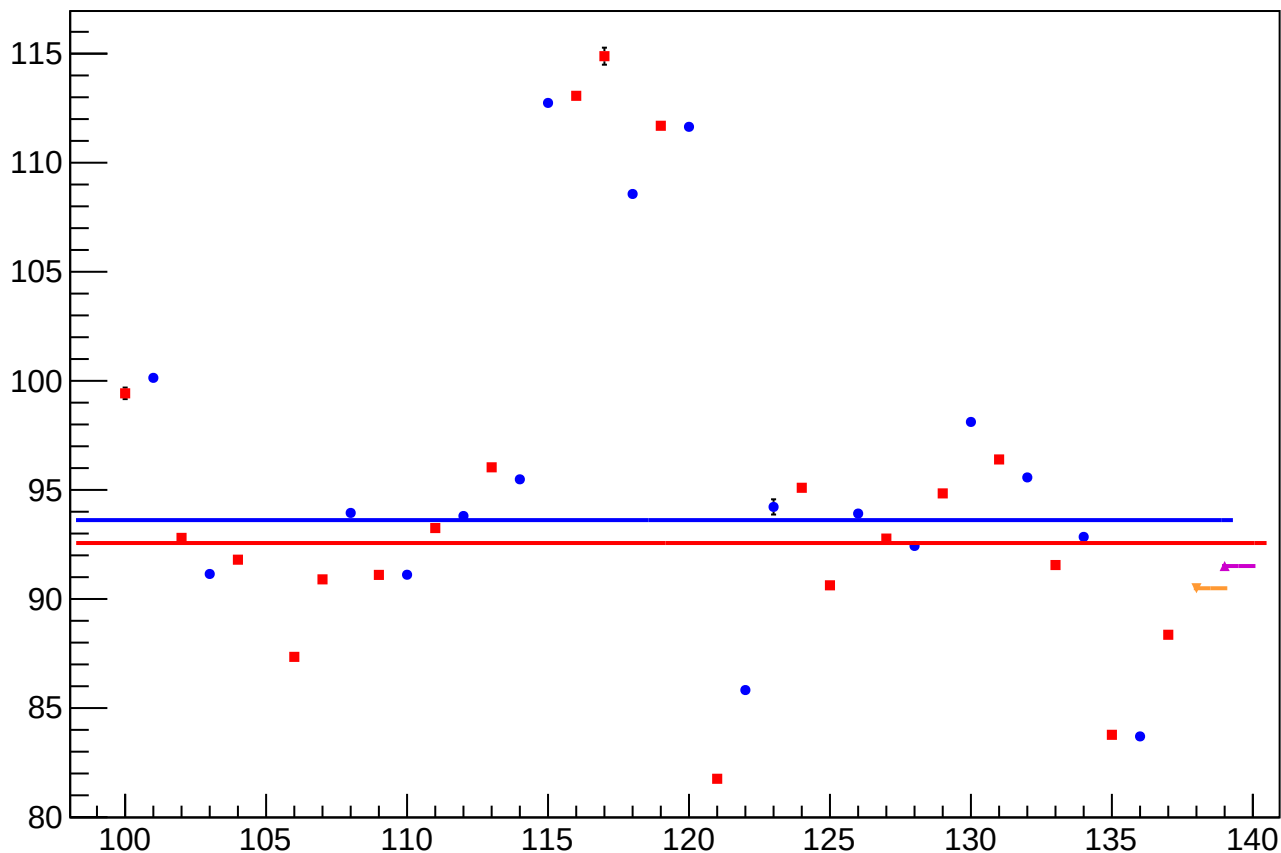
Left In: -6.238 $\pm$ 107.428 χ^2 /NDF: 0.0/0

4.960 $\pm$ 34.370 χ^2 /NDF: 22.0/17

-5.883 $\pm$ 23.787 χ^2 /NDF: 41.2/38

-15.850 $\pm$ 32.954 χ^2 /NDF: 19.0/20

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616 $\pm$ 0.026 χ^2 /NDF: 79928.5/16

Left Out: 90.492 $\pm$ 0.075 χ^2 /NDF: 0.0/0

Right Out: 92.565 $\pm$ 0.024 χ^2 /NDF: 81875.5/19

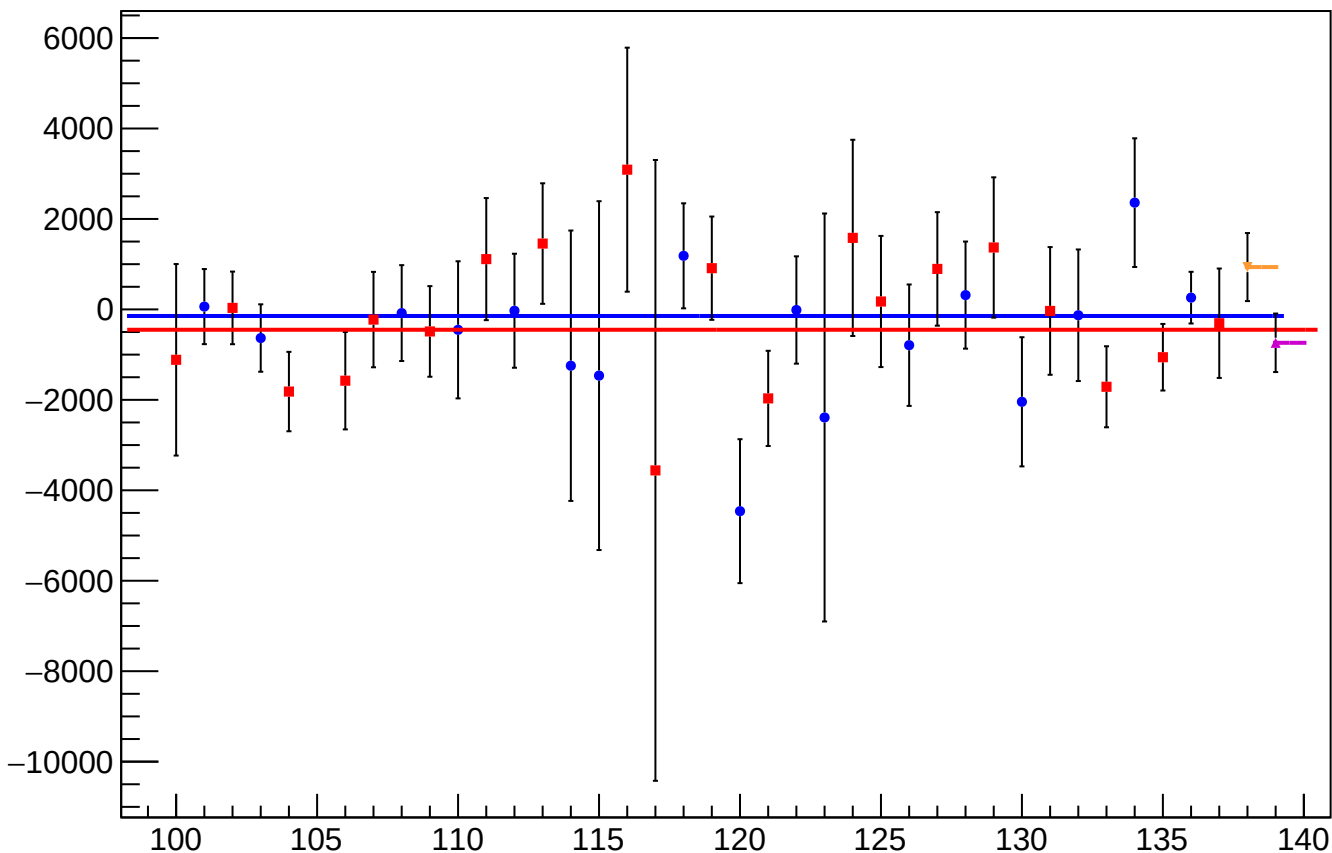
Left In: 91.511 $\pm$ 0.076 χ^2 /NDF: 0.0/0

93.285 $\pm$ 0.024 χ^2 /NDF: 81494.4/17

92.858 $\pm$ 0.017 χ^2 /NDF: 164135.8/38

92.466 $\pm$ 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: 936.012+/-752.393 χ^2/NDF : 0.0/0

Right Out: -450.047+/-260.089 χ^2/NDF : 19.2/19

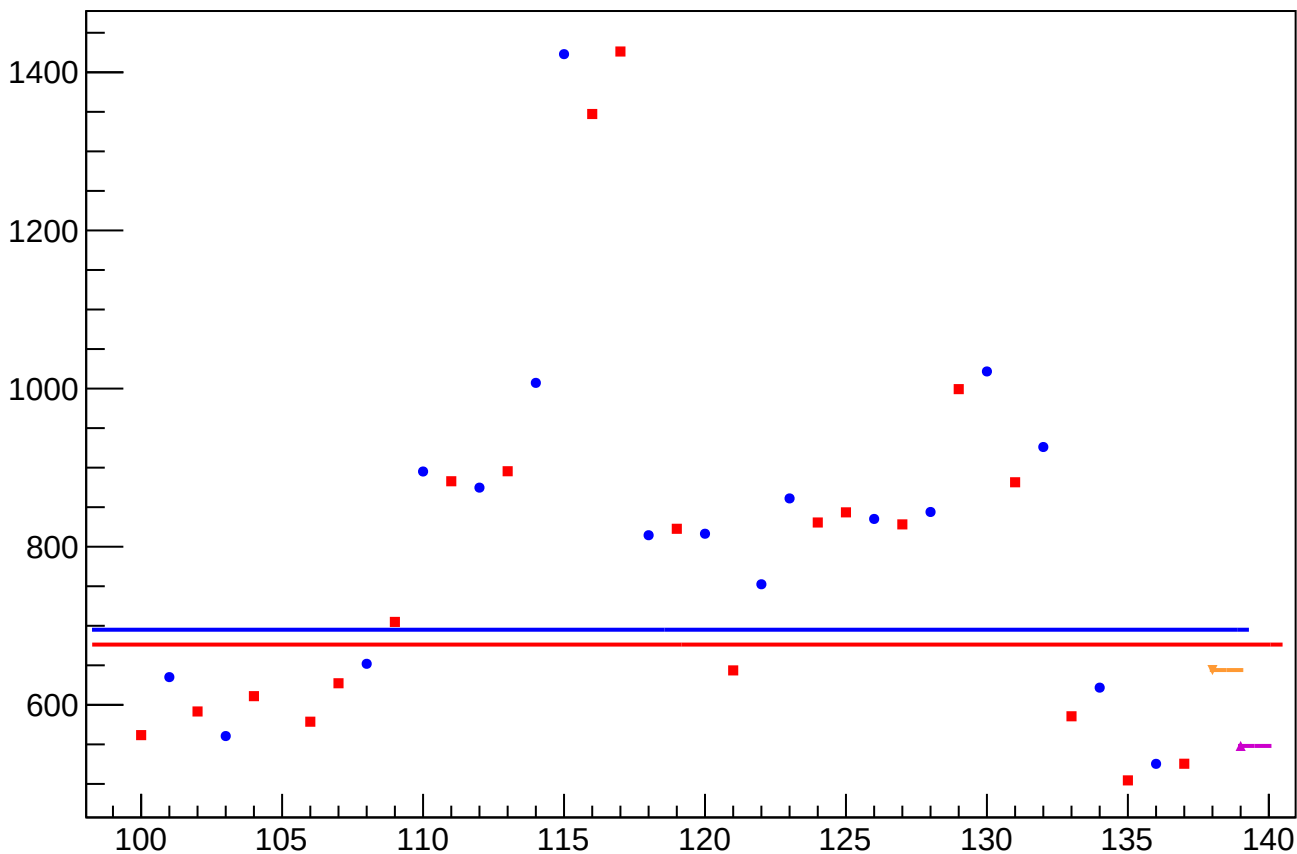
Left In: -738.636+/-646.780 χ^2/NDF : 0.0/0

-16.681+/-259.637 χ^2/NDF : 17.3/17

-270.751+/-176.756 χ^2/NDF : 38.4/38

-490.218+/-241.309 χ^2/NDF : 19.4/20

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 644.016 $\pm$ 0.532 χ^2 /NDF: 0.0/0

Right Out: 676.229 $\pm$ 0.184 χ^2 /NDF: 700313.6/19

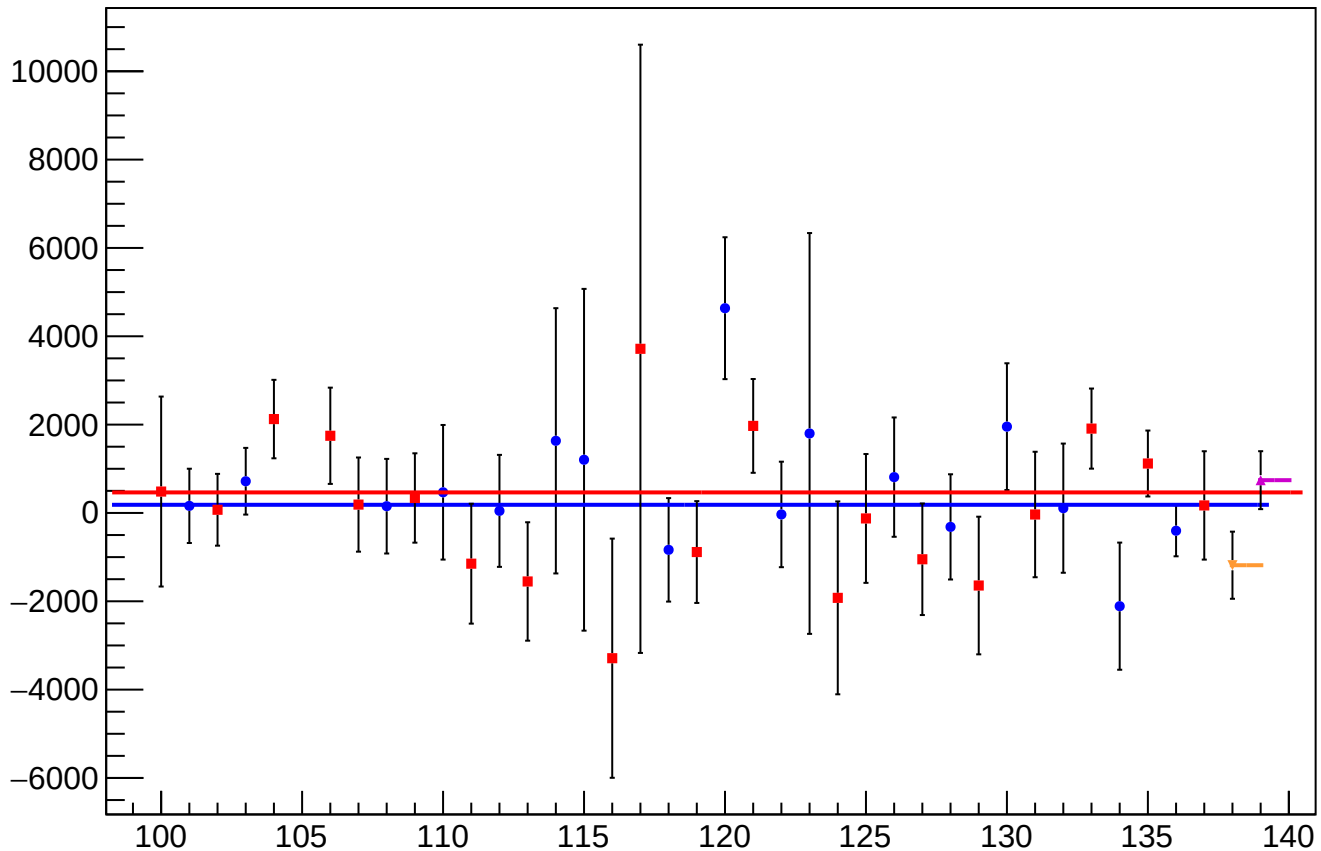
Left In: 548.050 $\pm$ 0.457 χ^2 /NDF: 0.0/0

688.941 $\pm$ 0.184 χ^2 /NDF: 685807.4/17

672.548 $\pm$ 0.125 χ^2 /NDF: 1468599.0/38

658.387 $\pm$ 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: -1183.379 $\pm$ 759.960 χ^2 /NDF: 0.0/0

Right Out: 464.916 $\pm$ 262.768 χ^2 /NDF: 22.5/19

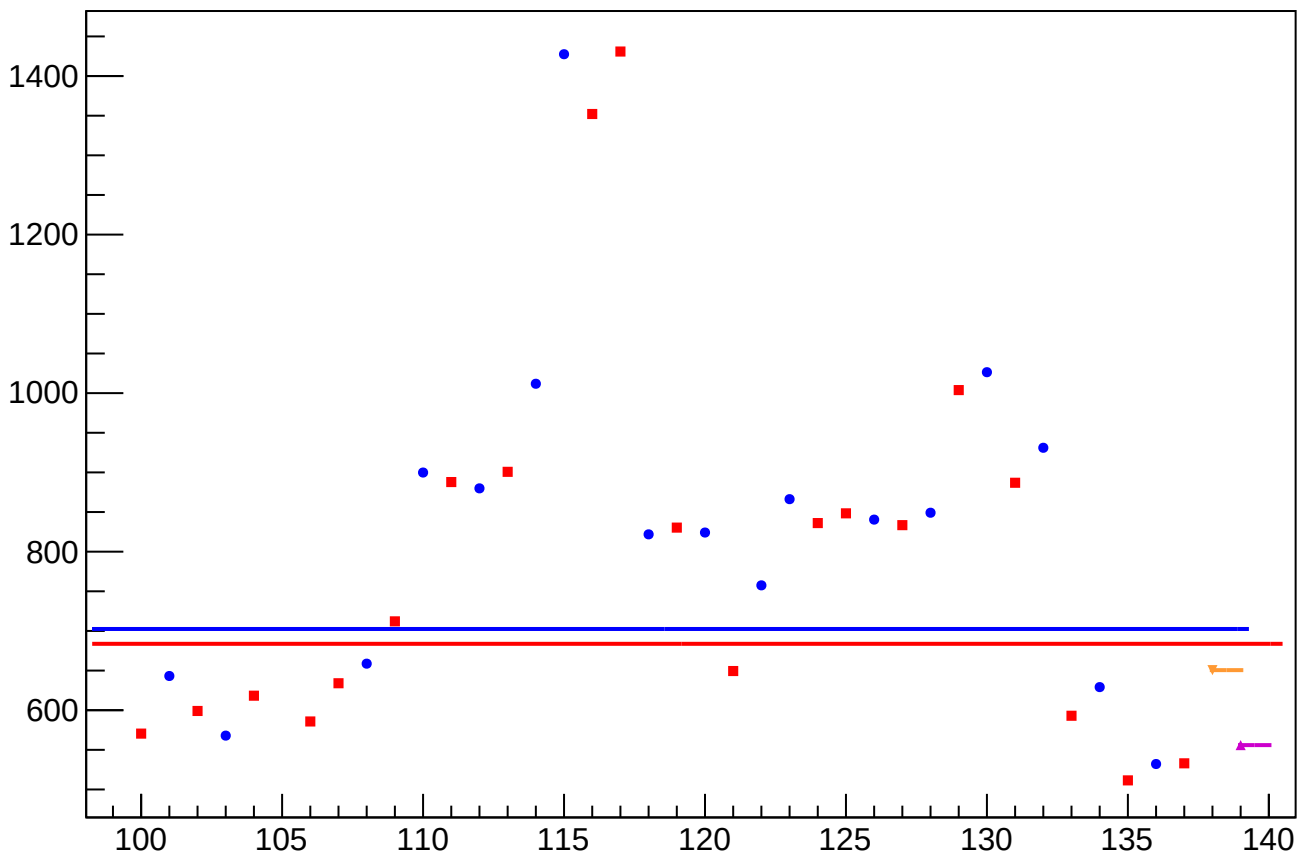
Left In: 742.112 $\pm$ 655.943 χ^2 /NDF: 0.0/0

21.649 $\pm$ 262.230 χ^2 /NDF: 17.8/17

279.844 $\pm$ 178.602 χ^2 /NDF: 42.3/38

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: 650.553+/-0.537 χ^2/NDF : 0.0/0

Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

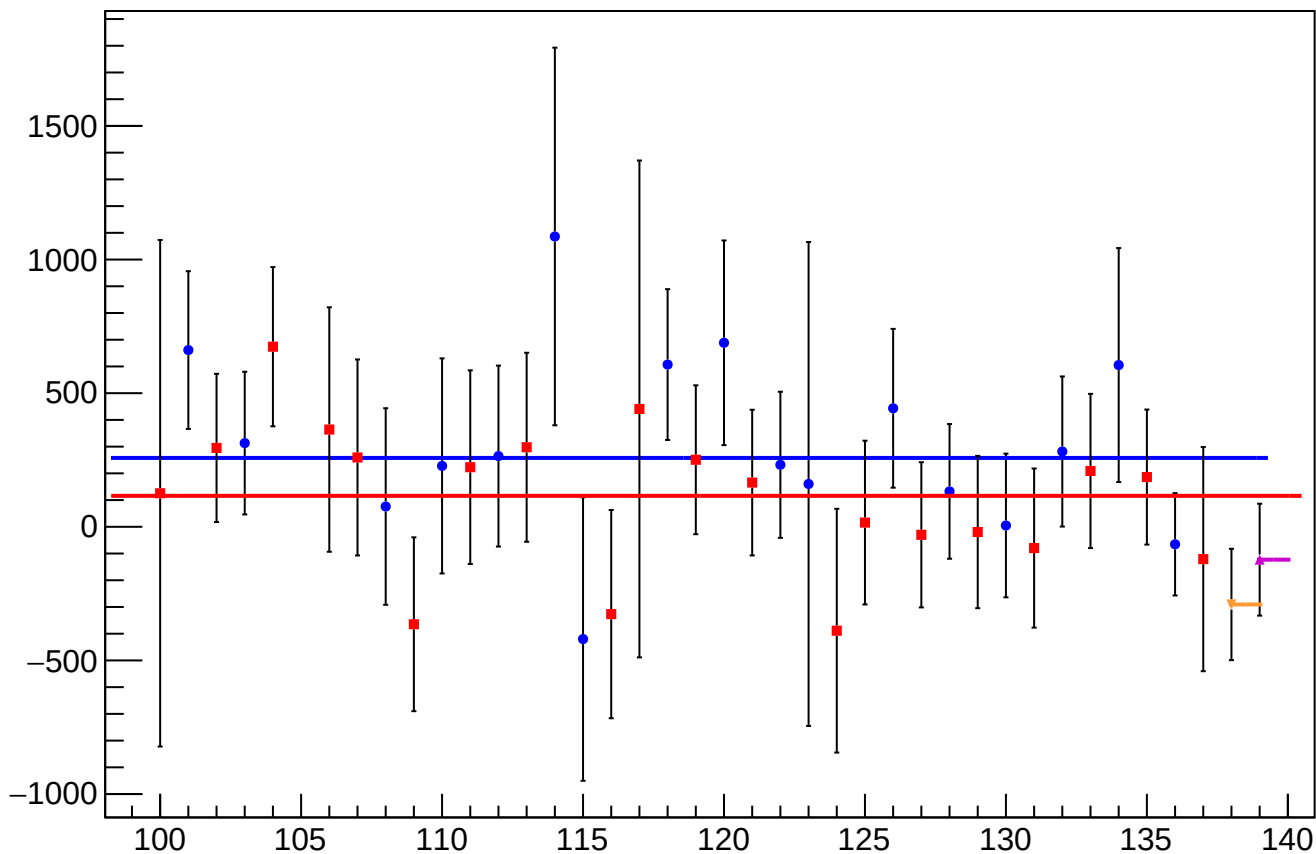
Left In: 555.968+/-0.464 χ^2/NDF : 0.0/0

696.288+/-0.185 χ^2/NDF : 668747.7/17

680.093+/-0.126 χ^2/NDF : 1431485.2/38

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: -290.627 $\pm$ 208.316 χ^2 /NDF: 0.0/0

Right Out: 115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

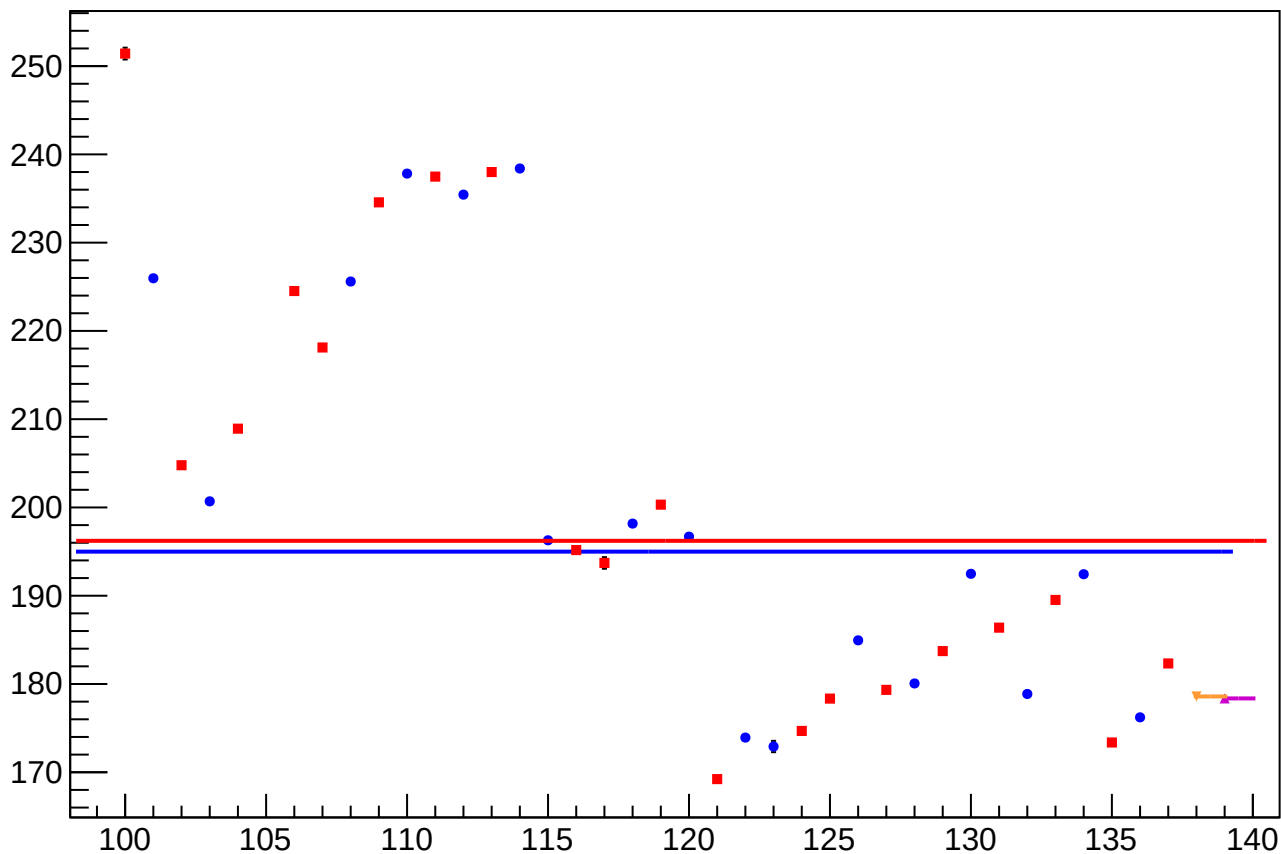
Left In: -122.938 $\pm$ 209.351 χ^2 /NDF: 0.0/0

193.411 $\pm$ 71.340 χ^2 /NDF: 19.1/17

140.238 $\pm$ 49.873 χ^2 /NDF: 32.7/38

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: 178.589 $\pm$ 0.147 χ^2 /NDF: 0.0/0

Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

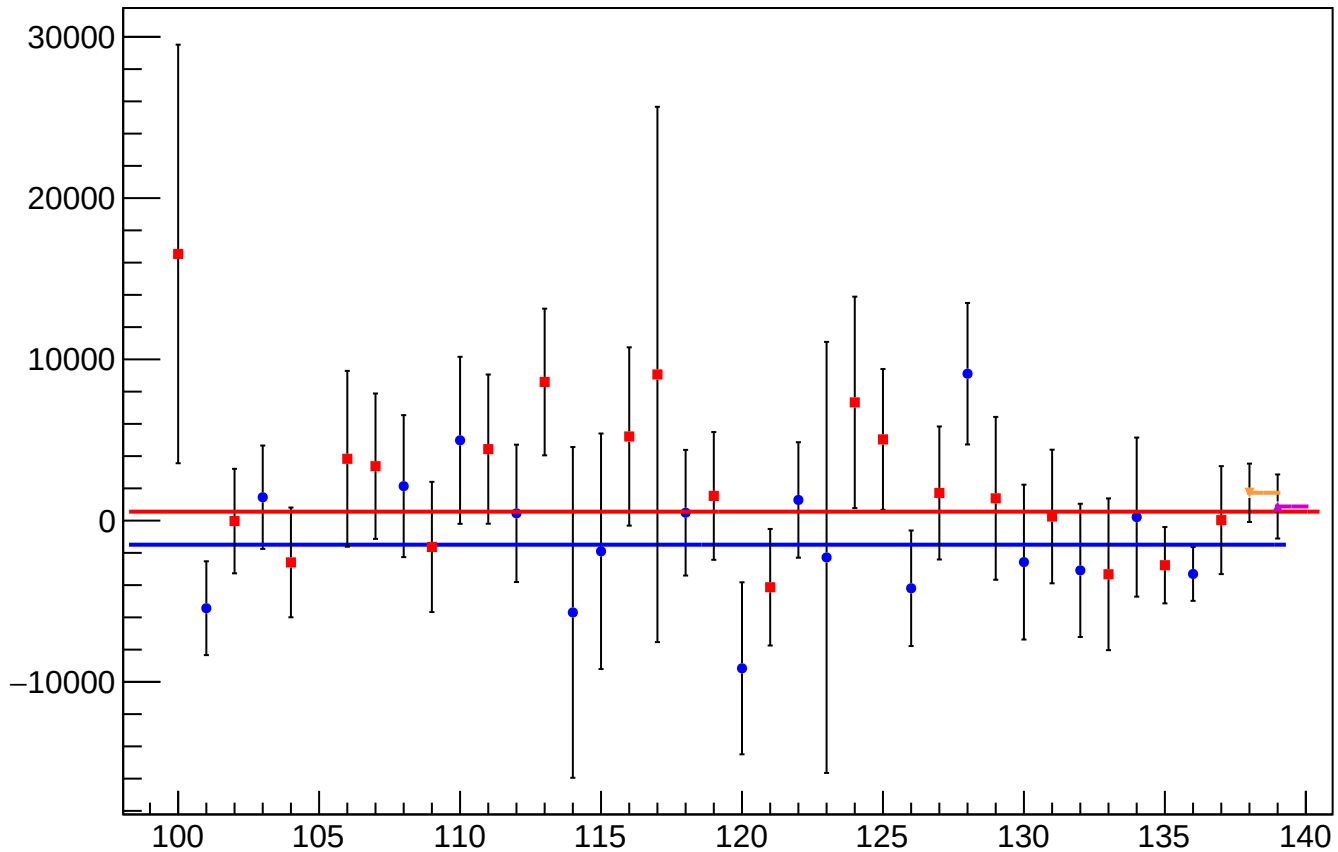
Left In: 178.366 $\pm$ 0.148 χ^2 /NDF: 0.0/0

193.070 $\pm$ 0.050 χ^2 /NDF: 155219.9/17

193.667 $\pm$ 0.035 χ^2 /NDF: 341930.4/38

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+/-910.834 χ^2/NDF : 16.1/16

Left Out: 1726.760+/-1808.319 χ^2/NDF : 0.0/0

Right Out: 555.744+/-933.239 χ^2/NDF : 14.9/19

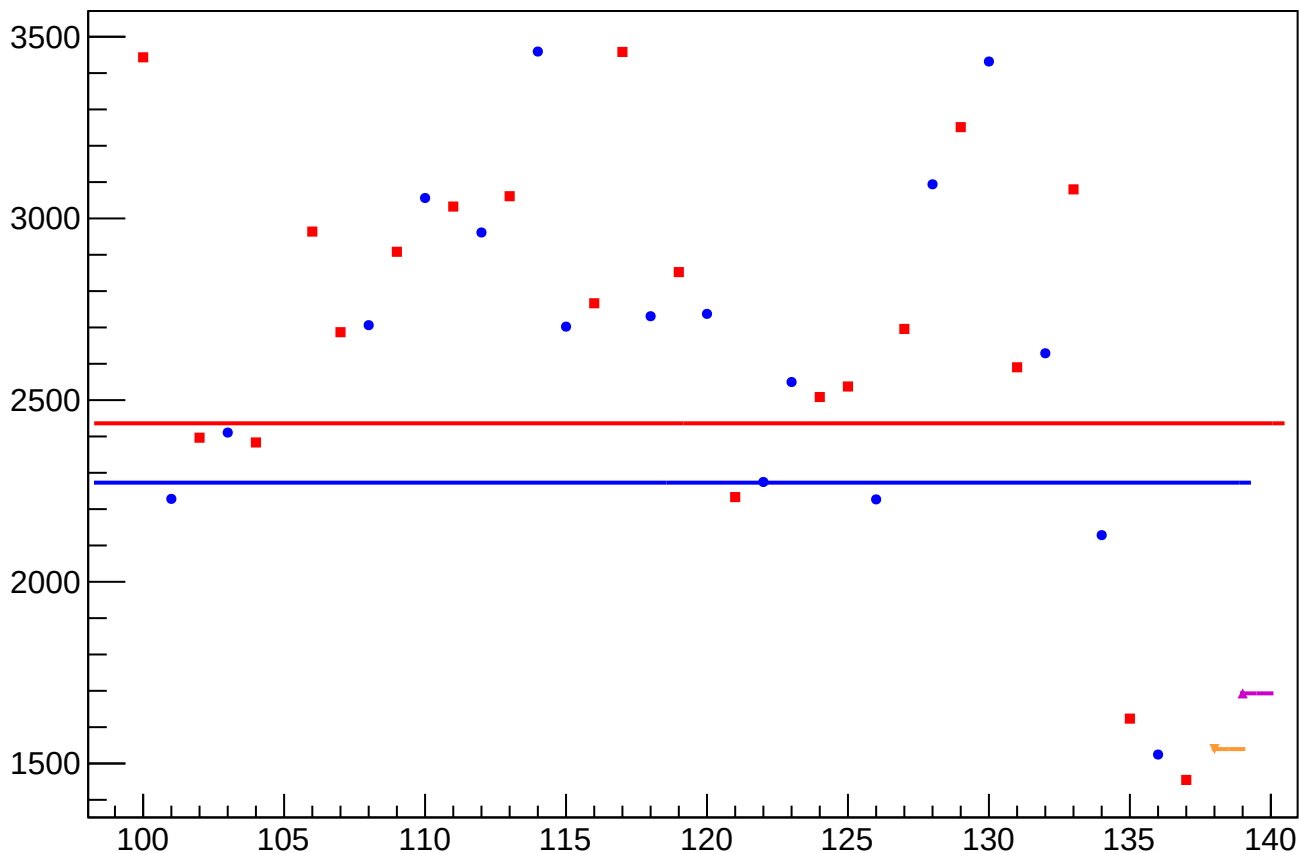
Left In: 876.320+/-1987.396 χ^2/NDF : 0.0/0

-841.660+/-813.470 χ^2/NDF : 18.7/17

-141.434+/-585.953 χ^2/NDF : 35.1/38

613.662+/-844.740 χ^2/NDF : 14.9/20

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883 ± 0.644 $\chi^2/\text{NDF}: 805650.3/16$

Left Out: 1539.674 ± 1.279 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 2436.191 ± 0.660 $\chi^2/\text{NDF}: 688391.3/19$

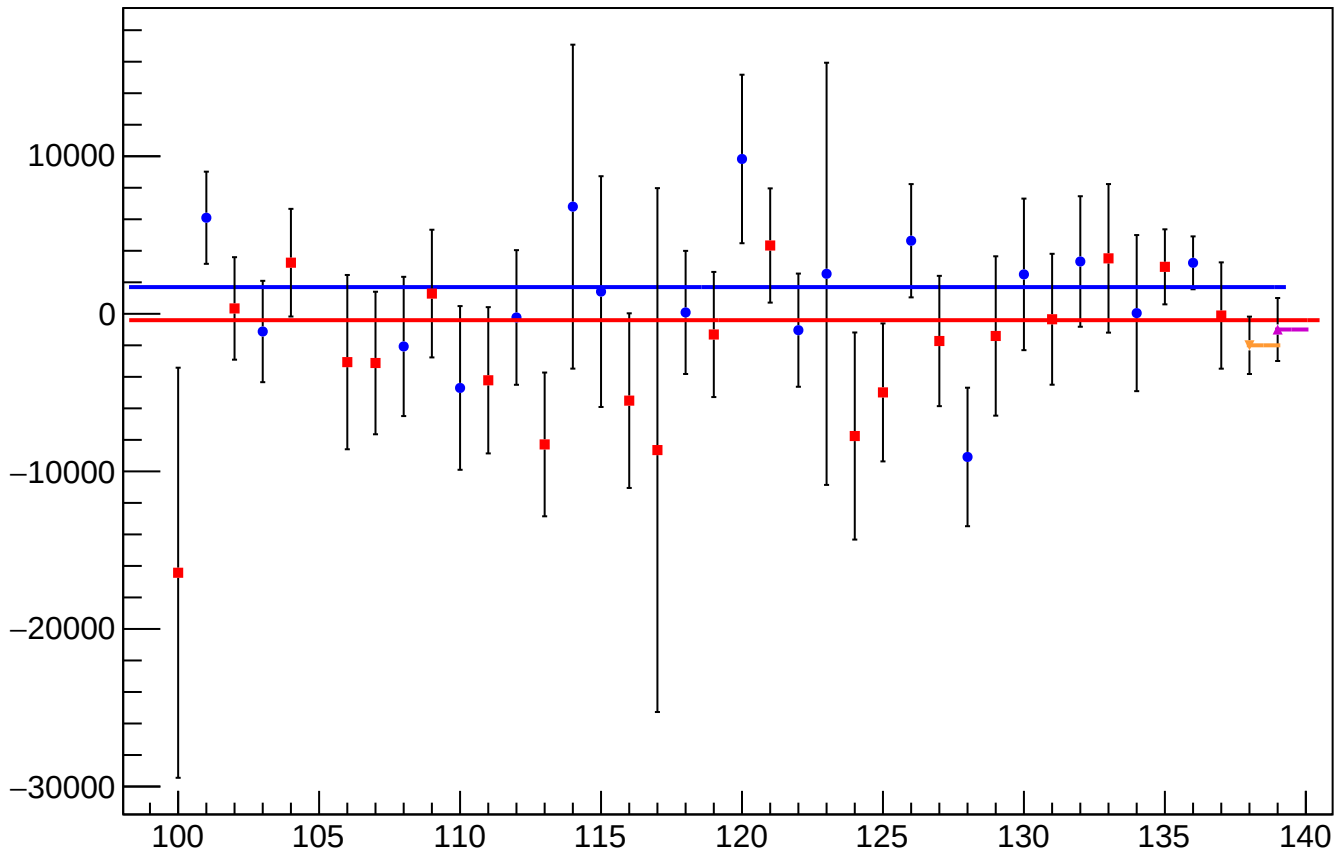
Left In: 1692.990 ± 1.405 $\chi^2/\text{NDF}: 0.0/0$

2124.508 ± 0.575 $\chi^2/\text{NDF}: 1067915.3/17$

2209.870 ± 0.414 $\chi^2/\text{NDF}: 2031235.0/38$

2301.920 ± 0.597 $\chi^2/\text{NDF}: 917548.9/20$

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: -1999.222 $\pm$ 1820.933 χ^2 /NDF: 0.0/0

Right Out: -403.904 $\pm$ 937.036 χ^2 /NDF: 15.2/19

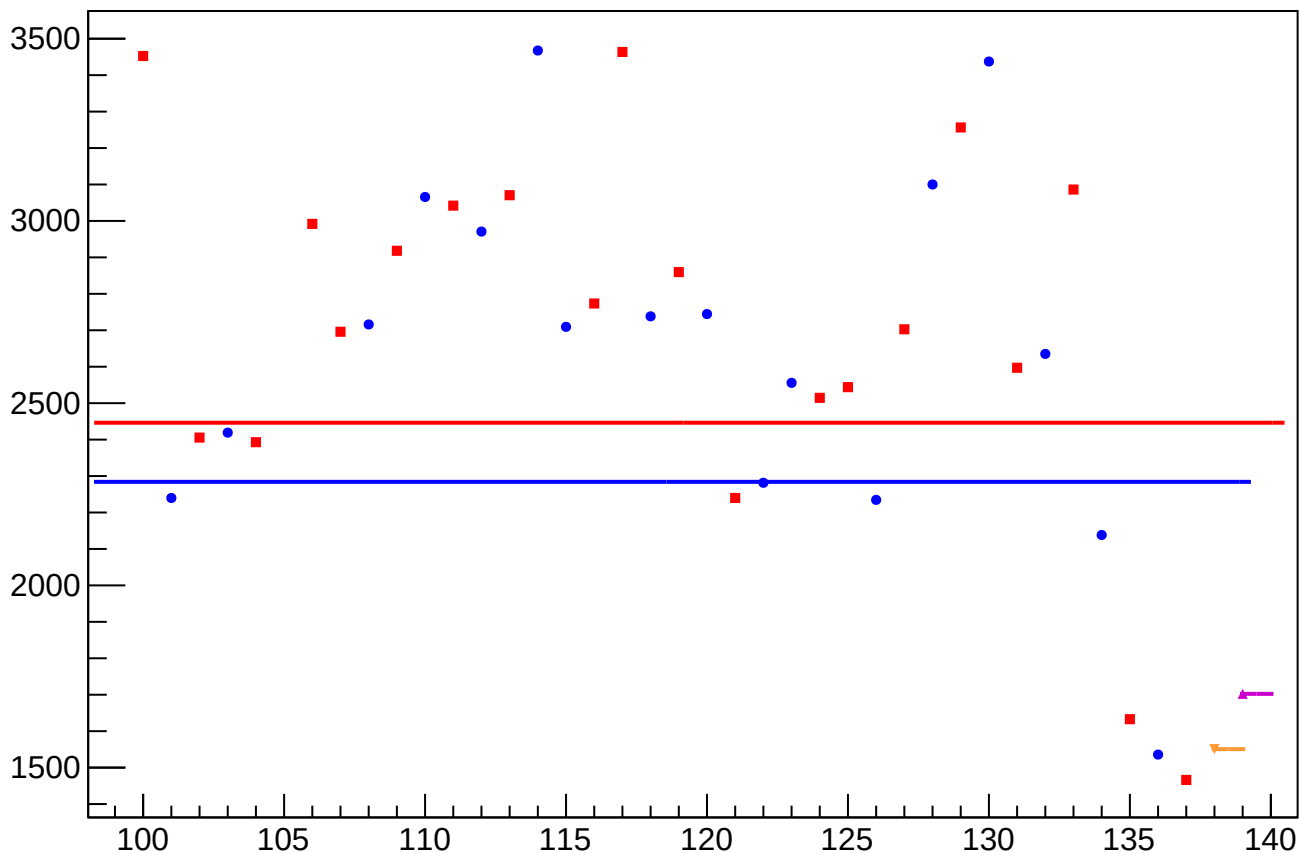
Left In: -995.577 $\pm$ 1998.422 χ^2 /NDF: 0.0/0

951.218 $\pm$ 817.482 χ^2 /NDF: 19.9/17

247.461 $\pm$ 588.675 χ^2 /NDF: 36.7/38

-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: 1550.714+/-1.288 χ^2/NDF : 0.0/0

Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

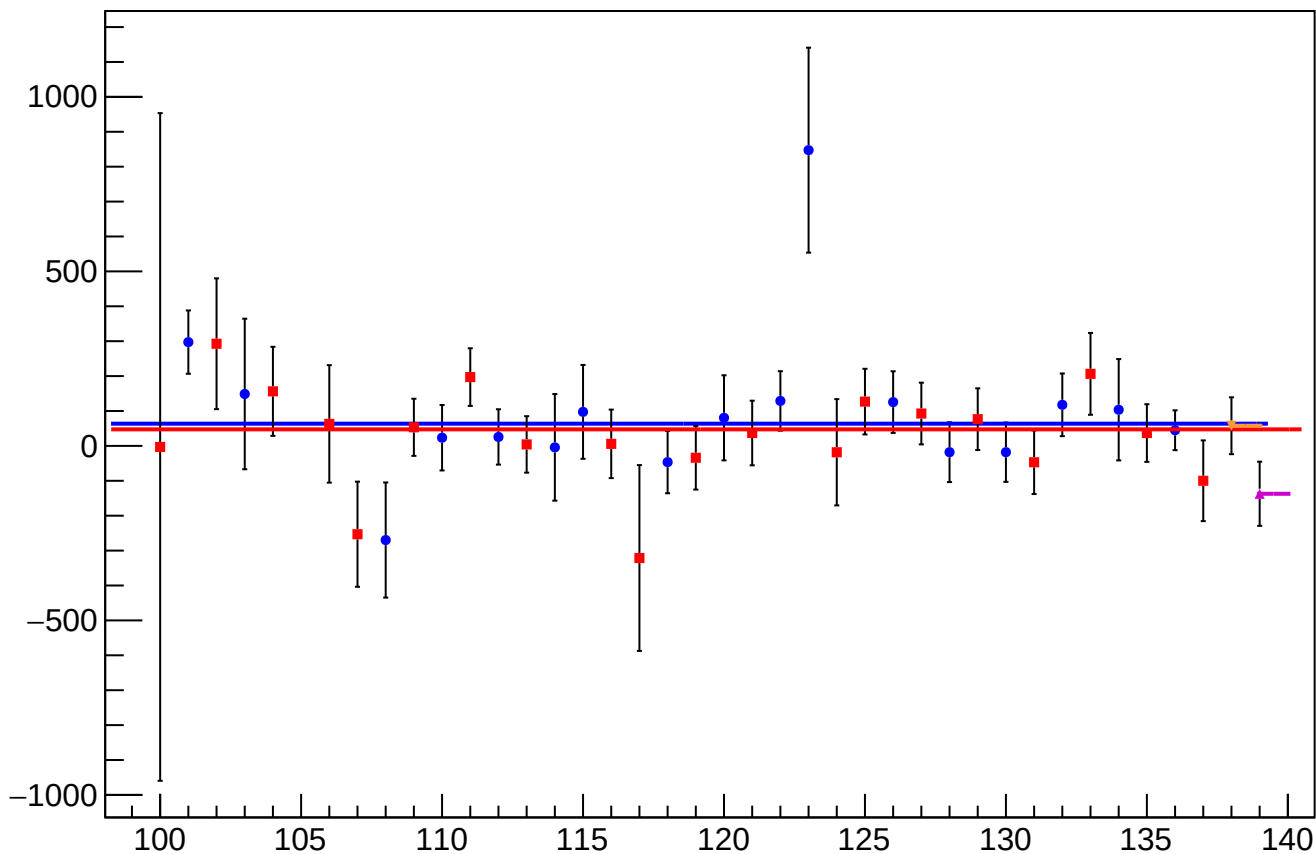
Left In: 1702.392+/-1.413 χ^2/NDF : 0.0/0

2136.294+/-0.578 χ^2/NDF : 1053030.9/17

2221.021+/-0.416 χ^2/NDF : 2005296.8/38

2312.279+/-0.600 χ^2/NDF : 907641.5/20

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666+/-23.743 χ^2/NDF : 23.7/16

Left Out: 57.712+/-81.467 χ^2/NDF : 0.0/0

Right Out: 47.367+/-23.568 χ^2/NDF : 18.7/19

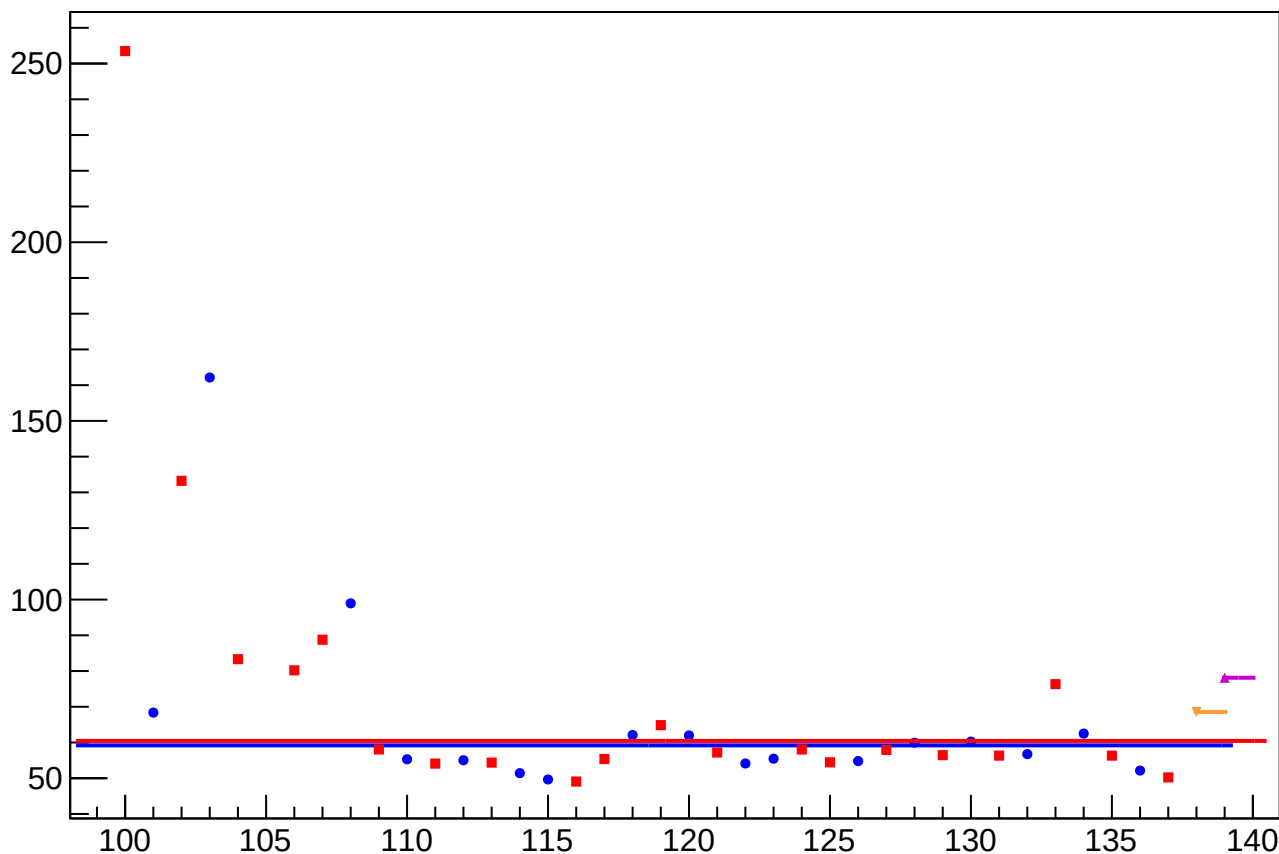
Left In: -137.194+/-91.929 χ^2/NDF : 0.0/0

63.200+/-22.794 χ^2/NDF : 23.7/17

49.614+/-16.131 χ^2/NDF : 46.9/38

35.985+/-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: 68.556 $\pm$ 0.058 χ^2 /NDF: 0.0/0

Right Out: 60.443 $\pm$ 0.017 χ^2 /NDF: 680790.3/19

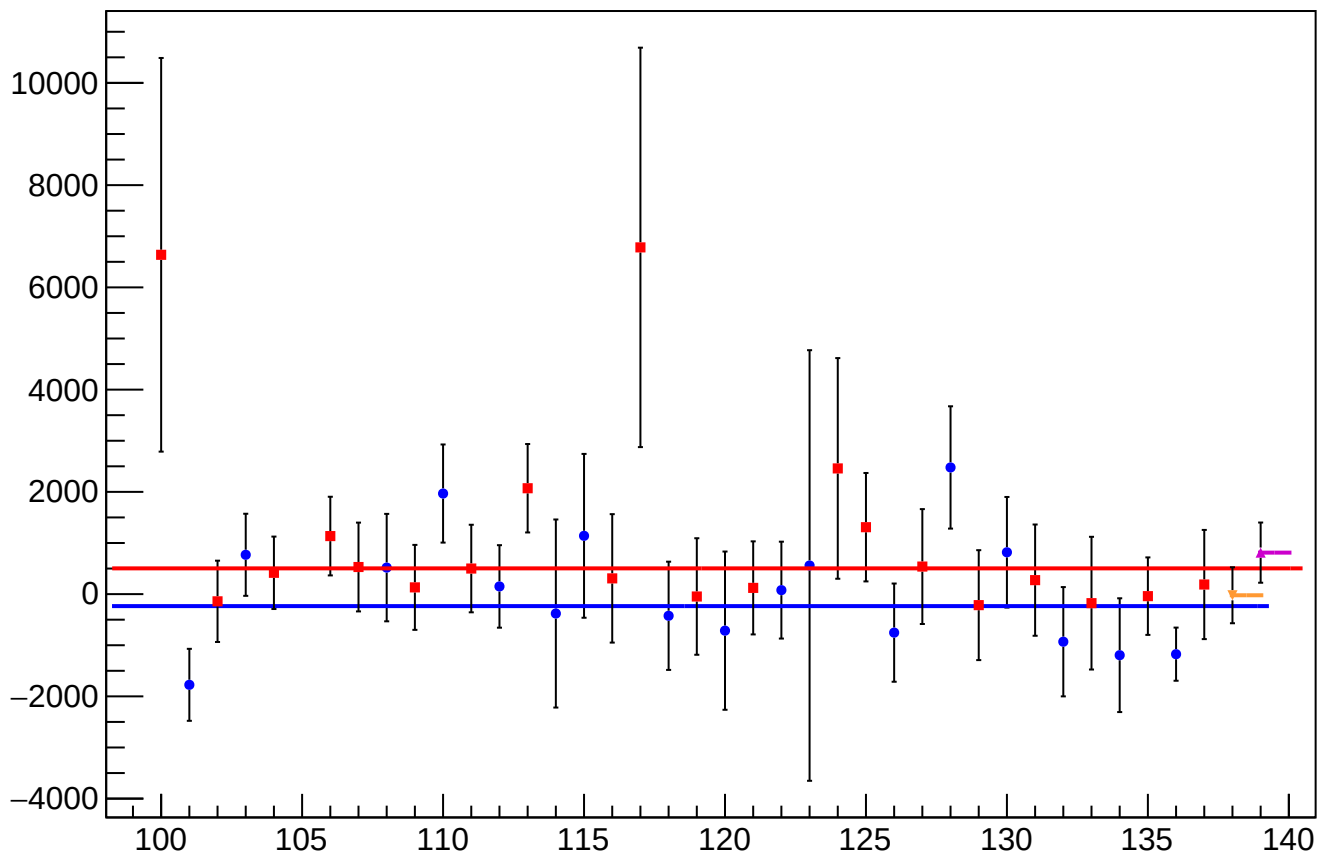
Left In: 78.121 $\pm$ 0.065 χ^2 /NDF: 0.0/0

59.933 $\pm$ 0.016 χ^2 /NDF: 689783.7/17

60.732 $\pm$ 0.011 χ^2 /NDF: 1444893.3/38

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: -22.381+/-547.410 χ^2/NDF : 0.0/0

Right Out: 503.638+/-221.955 χ^2/NDF : 13.2/19

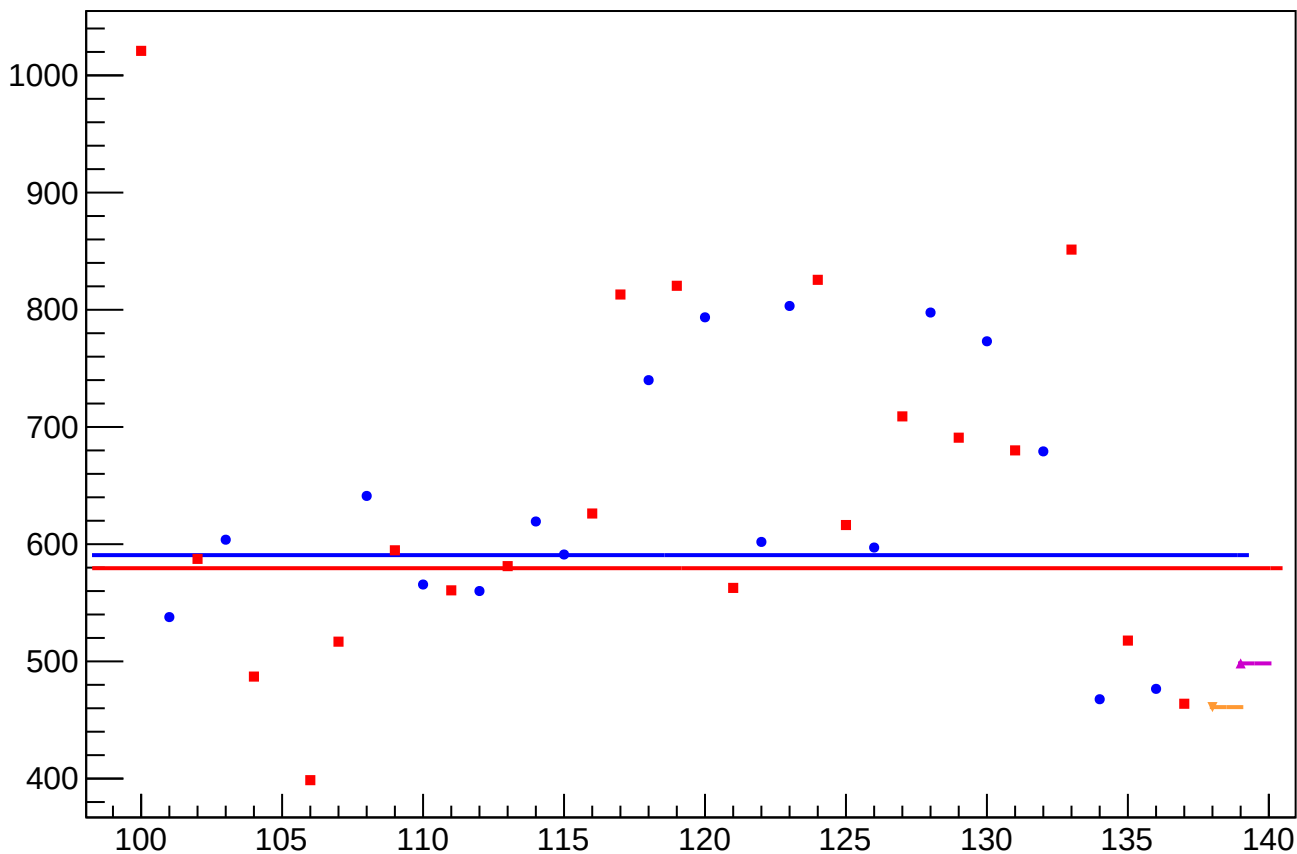
Left In: 811.620+/-588.693 χ^2/NDF : 0.0/0

-201.749+/-215.073 χ^2/NDF : 24.3/17

183.105+/-149.398 χ^2/NDF : 43.9/38

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: 460.990 ± 0.387 χ^2/NDF : 0.0/0

Right Out: 579.509 ± 0.157 χ^2/NDF : 501132.1/19

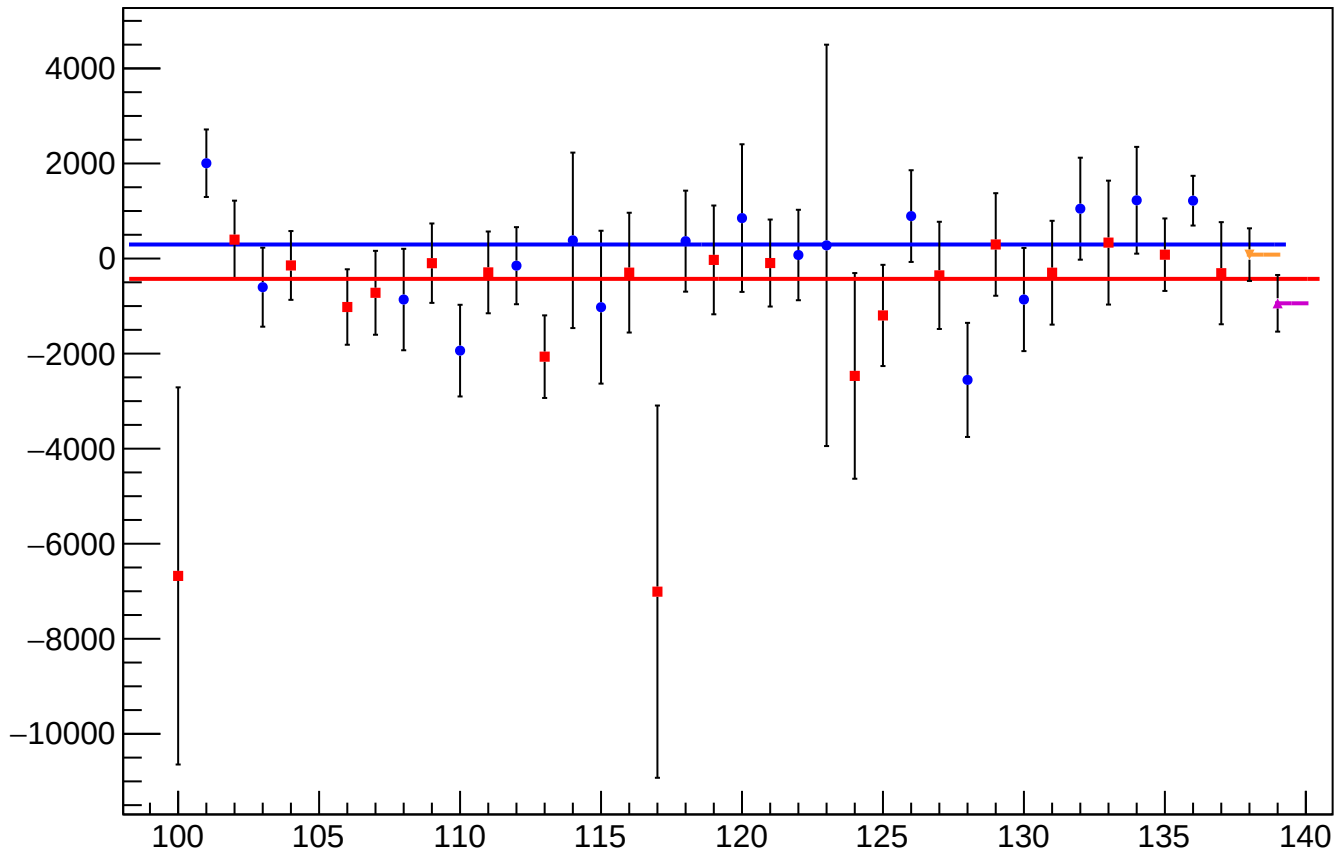
Left In: 498.282 ± 0.416 χ^2/NDF : 0.0/0

570.643 ± 0.152 χ^2/NDF : 446979.5/17

570.000 ± 0.106 χ^2/NDF : 981483.4/38

569.399 ± 0.147 χ^2/NDF : 534469.3/20

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 82.340 $\pm$ 553.490 χ^2 /NDF: 0.0/0

Right Out: -427.853 $\pm$ 224.485 χ^2 /NDF: 13.8/19

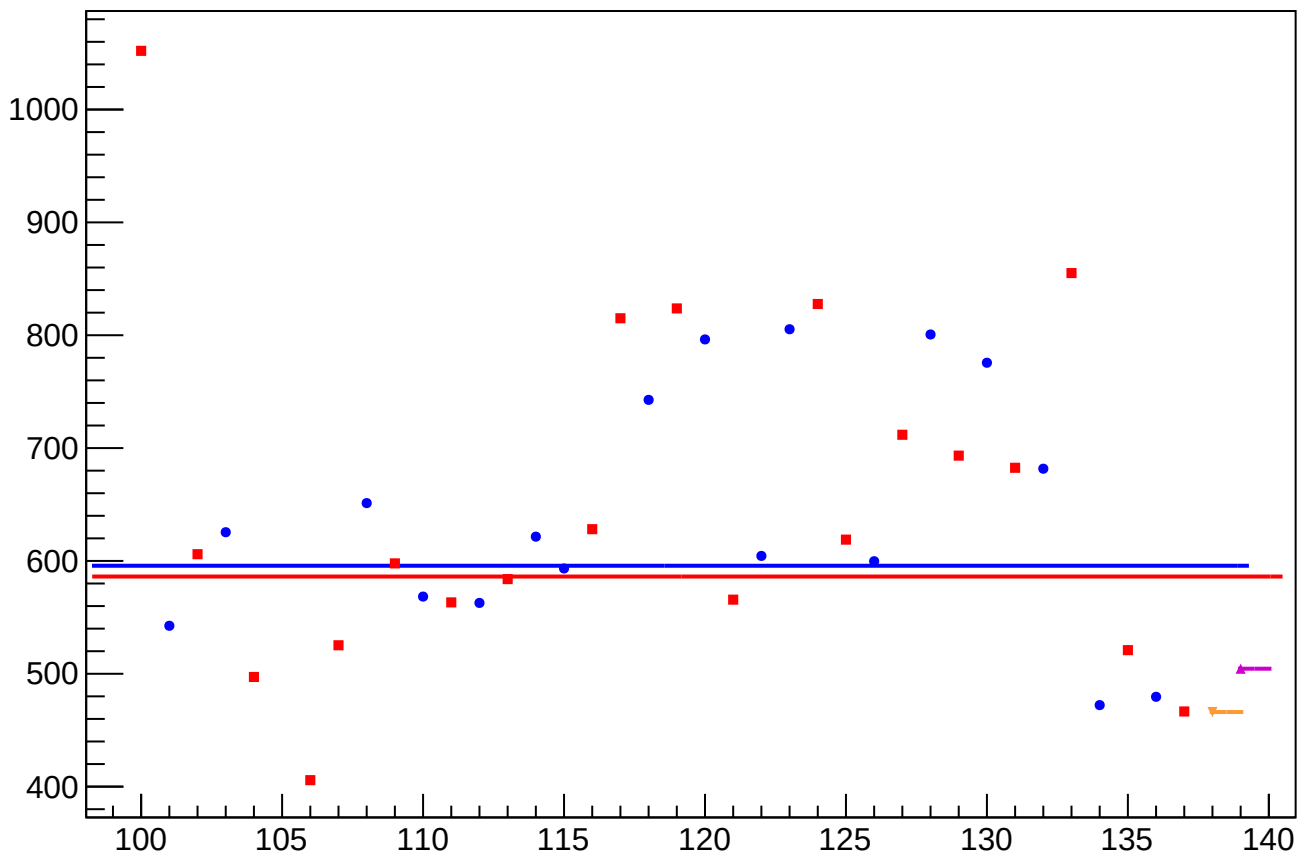
Left In: -941.814 $\pm$ 595.945 χ^2 /NDF: 0.0/0

262.657 $\pm$ 216.981 χ^2 /NDF: 26.2/17

-126.727 $\pm$ 150.928 χ^2 /NDF: 46.9/38

-491.719 $\pm$ 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: 466.112+/-0.391 χ^2/NDF : 0.0/0

Right Out: 586.176+/-0.159 χ^2/NDF : 481325.4/19

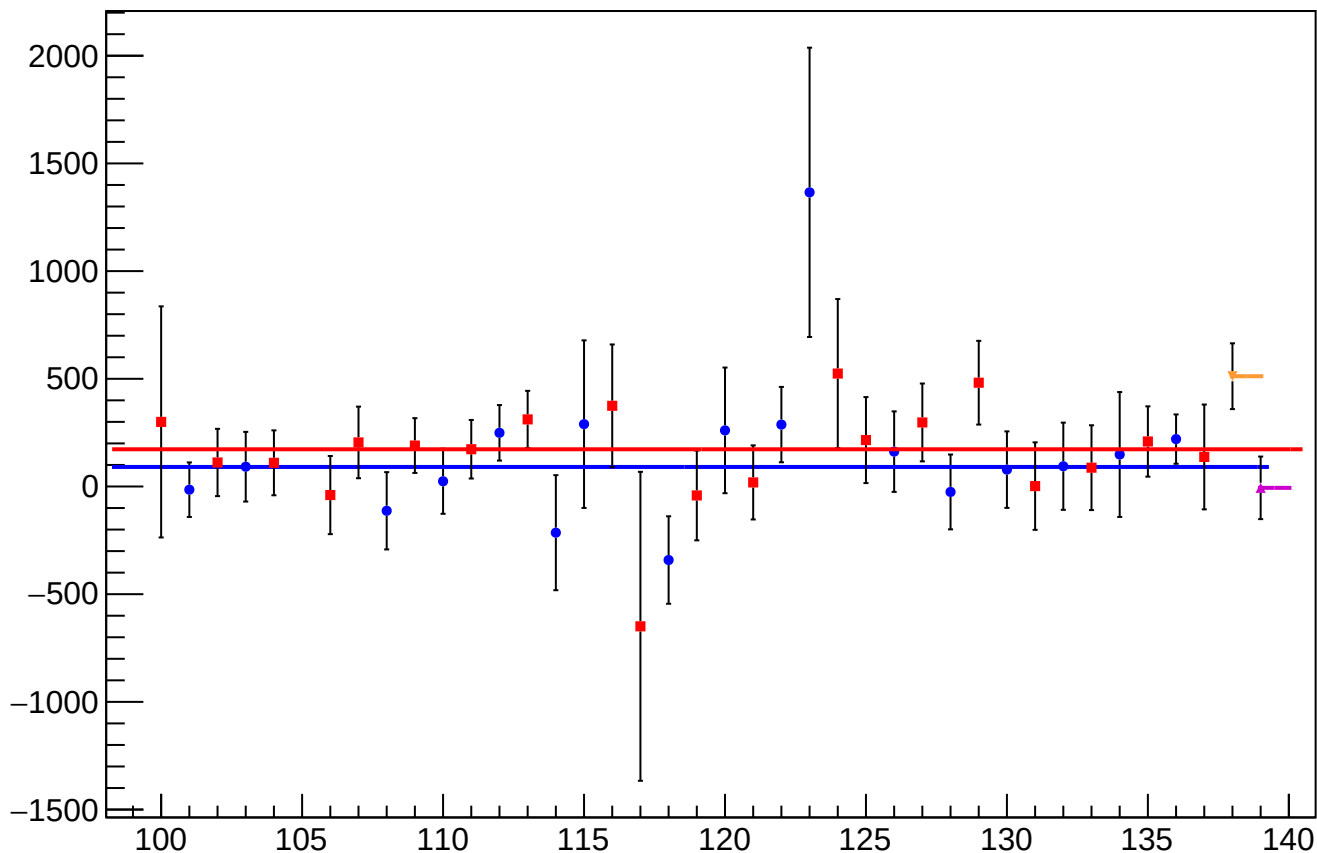
Left In: 504.497+/-0.421 χ^2/NDF : 0.0/0

575.813+/-0.153 χ^2/NDF : 442891.0/17

575.923+/-0.107 χ^2/NDF : 957118.3/38

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: 512.011+/-152.765 χ^2/NDF : 0.0/0

Right Out: 172.786+/-41.033 χ^2/NDF : 11.6/19

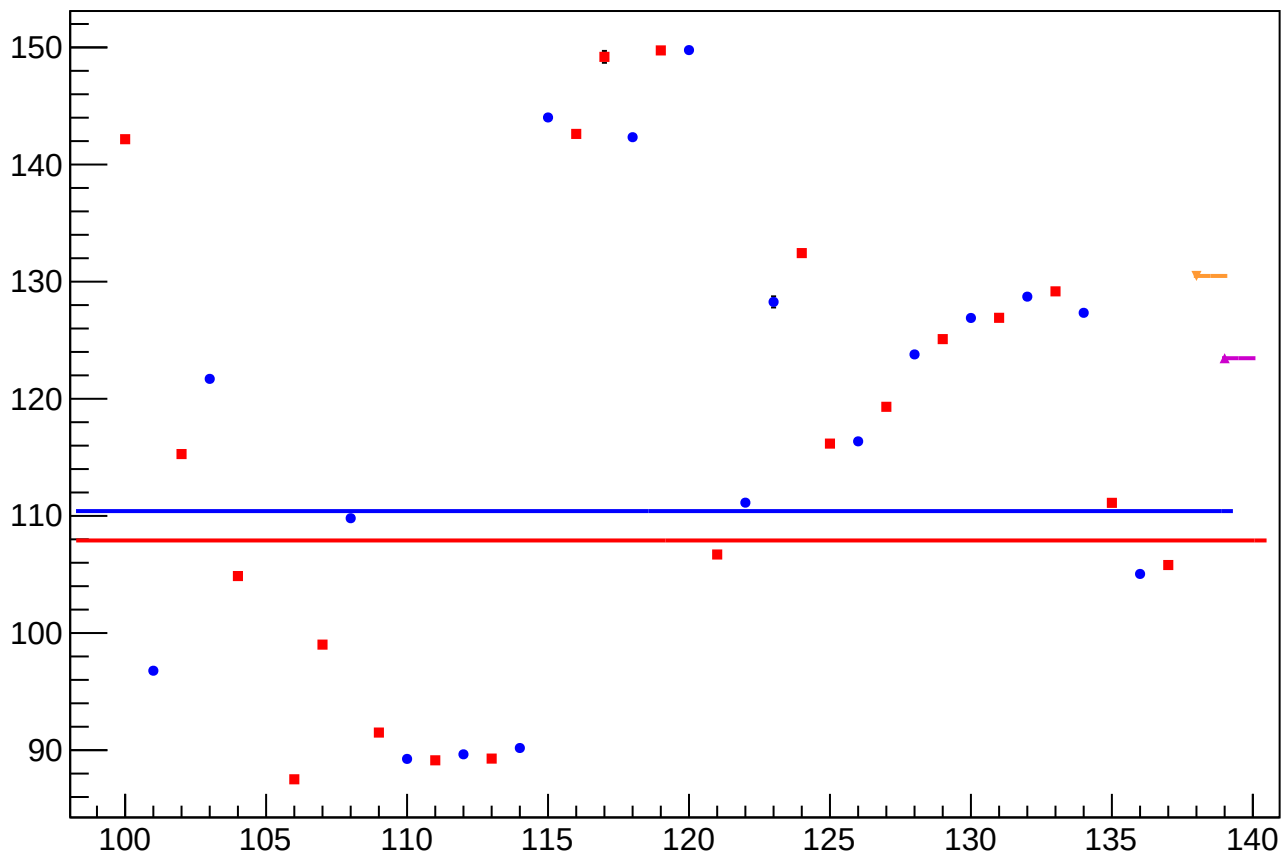
Left In: -6.287+/-145.246 χ^2/NDF : 0.0/0

122.057+/-41.670 χ^2/NDF : 23.9/17

141.811+/-28.663 χ^2/NDF : 37.4/38

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: 130.488 $\pm$ 0.108 χ^2 /NDF: 0.0/0

Right Out: 107.903 $\pm$ 0.029 χ^2 /NDF: 351091.4/19

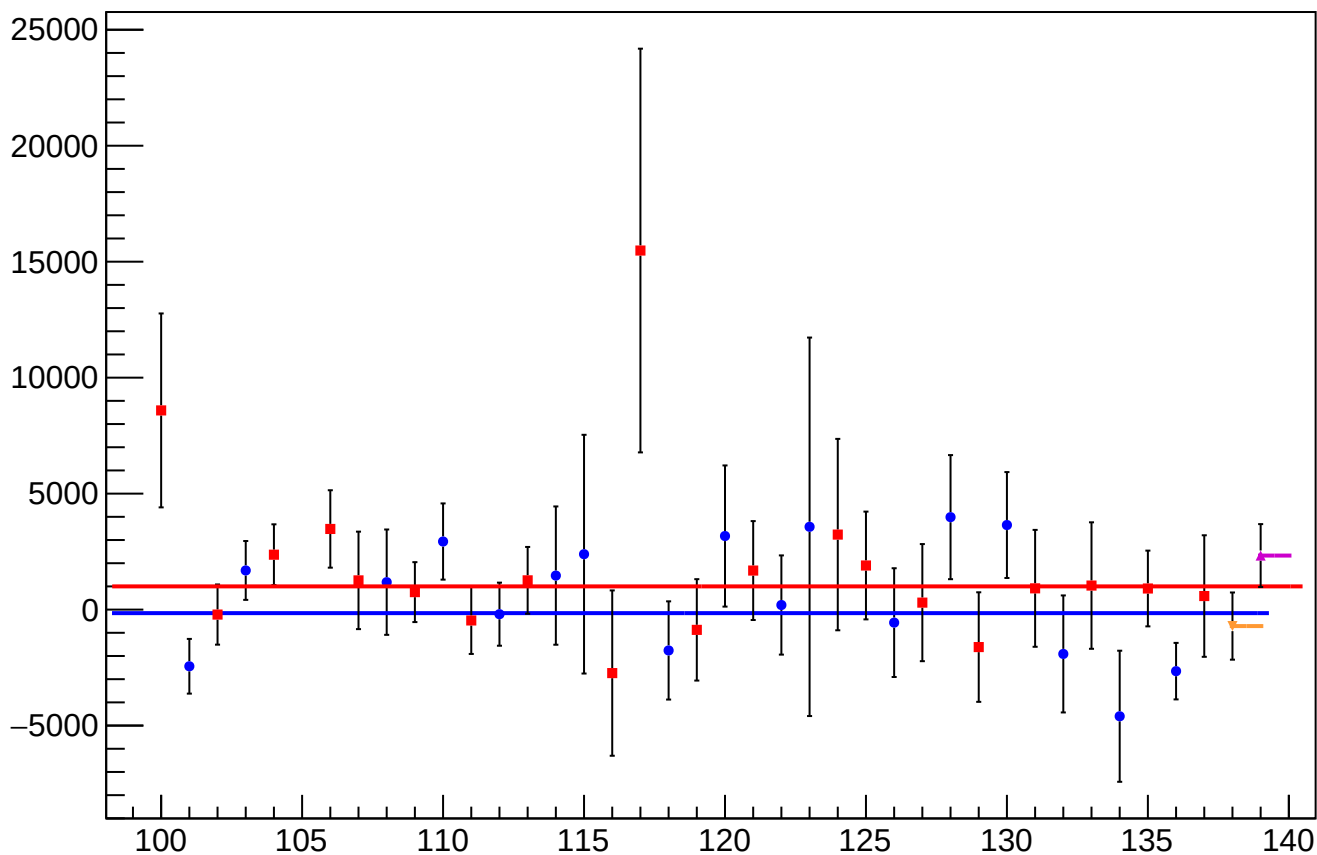
Left In: 123.464 $\pm$ 0.103 χ^2 /NDF: 0.0/0

111.905 $\pm$ 0.029 χ^2 /NDF: 328398.6/17

110.403 $\pm$ 0.020 χ^2 /NDF: 705684.2/38

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: -710.444+/-1448.422 χ^2/NDF : 0.0/0

Right Out: 1000.907+/-434.569 χ^2/NDF : 15.1/19

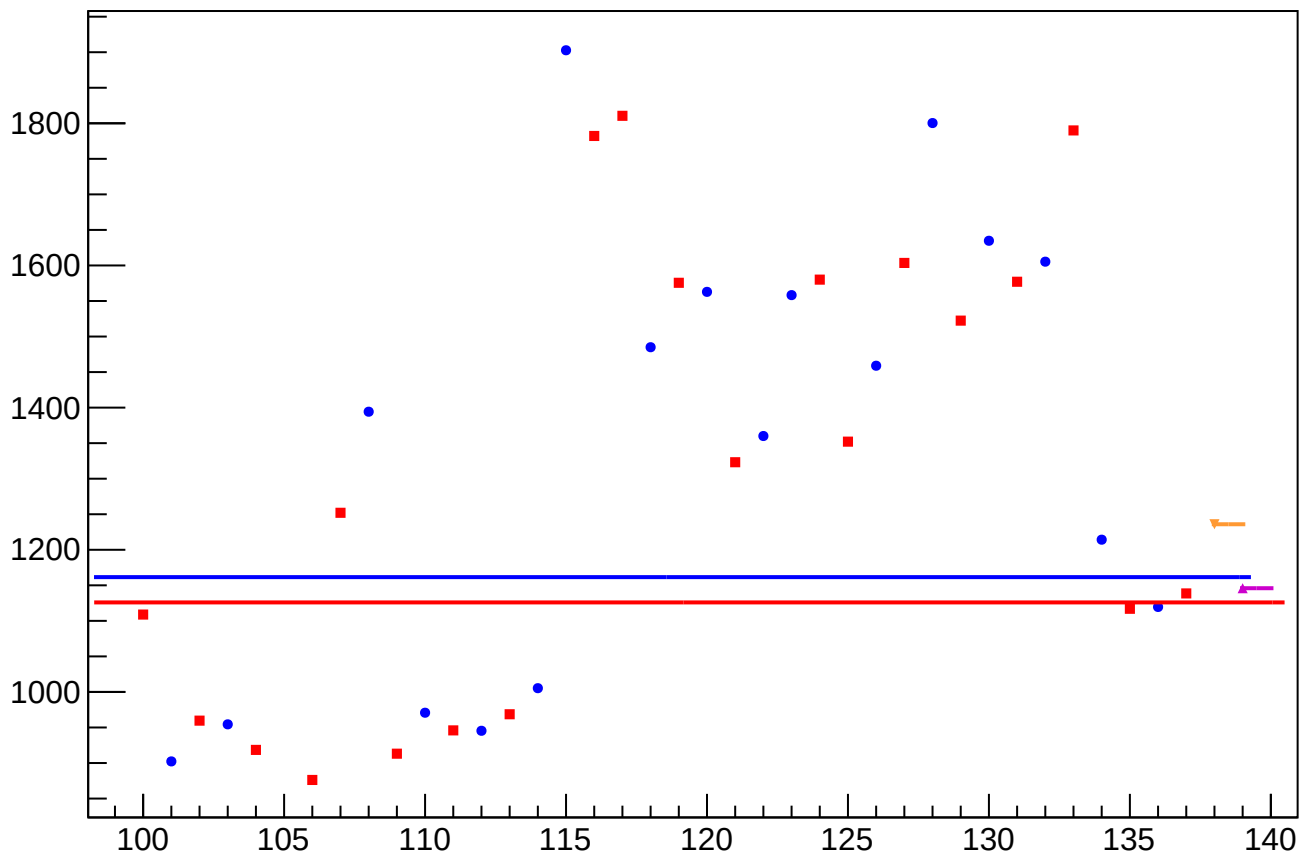
Left In: 2329.480+/-1356.482 χ^2/NDF : 0.0/0

-204.494+/-442.530 χ^2/NDF : 24.8/17

504.499+/-302.267 χ^2/NDF : 45.5/38

1124.571+/-413.850 χ^2/NDF : 15.9/20

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 1235.918+/-1.024 χ^2/NDF : 0.0/0

Right Out: 1125.946+/-0.307 χ^2/NDF : 780195.3/19

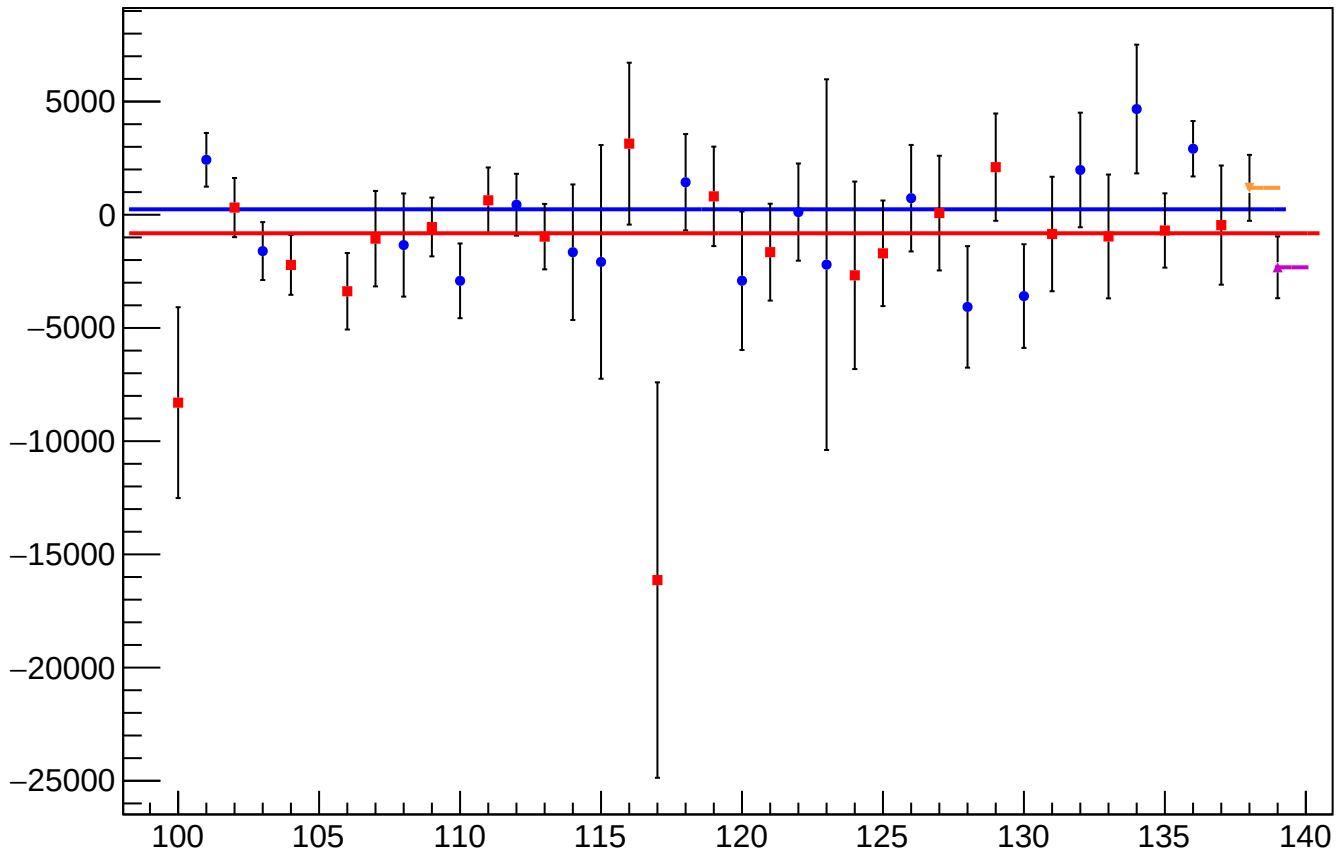
Left In: 1145.936+/-0.959 χ^2/NDF : 0.0/0

1168.474+/-0.313 χ^2/NDF : 700689.8/17

1146.780+/-0.214 χ^2/NDF : 1490289.3/38

1127.806+/-0.293 χ^2/NDF : 780589.2/20

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732+/-467.036 χ^2/NDF : 24.8/16

Left Out: 1188.936+/-1456.583 χ^2/NDF : 0.0/0

Right Out: -817.635+/-436.939 χ^2/NDF : 15.4/19

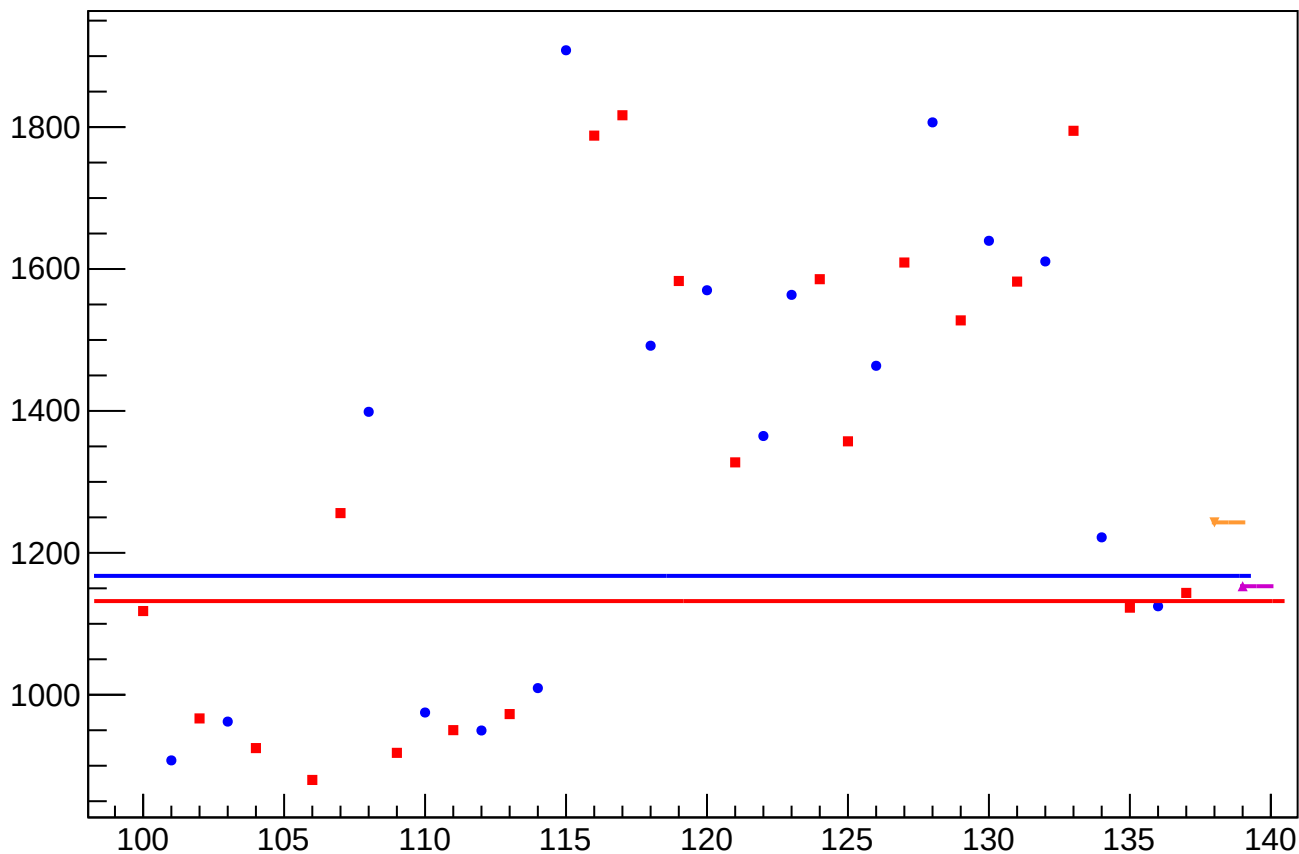
Left In: -2321.863+/-1364.608 χ^2/NDF : 0.0/0

329.128+/-444.734 χ^2/NDF : 25.2/17

-356.900+/-303.857 χ^2/NDF : 46.2/38

-957.514+/-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: 1242.923 $\pm$ 1.030 χ^2 /NDF: 0.0/0

Right Out: 1132.019 $\pm$ 0.309 χ^2 /NDF: 773827.8/19

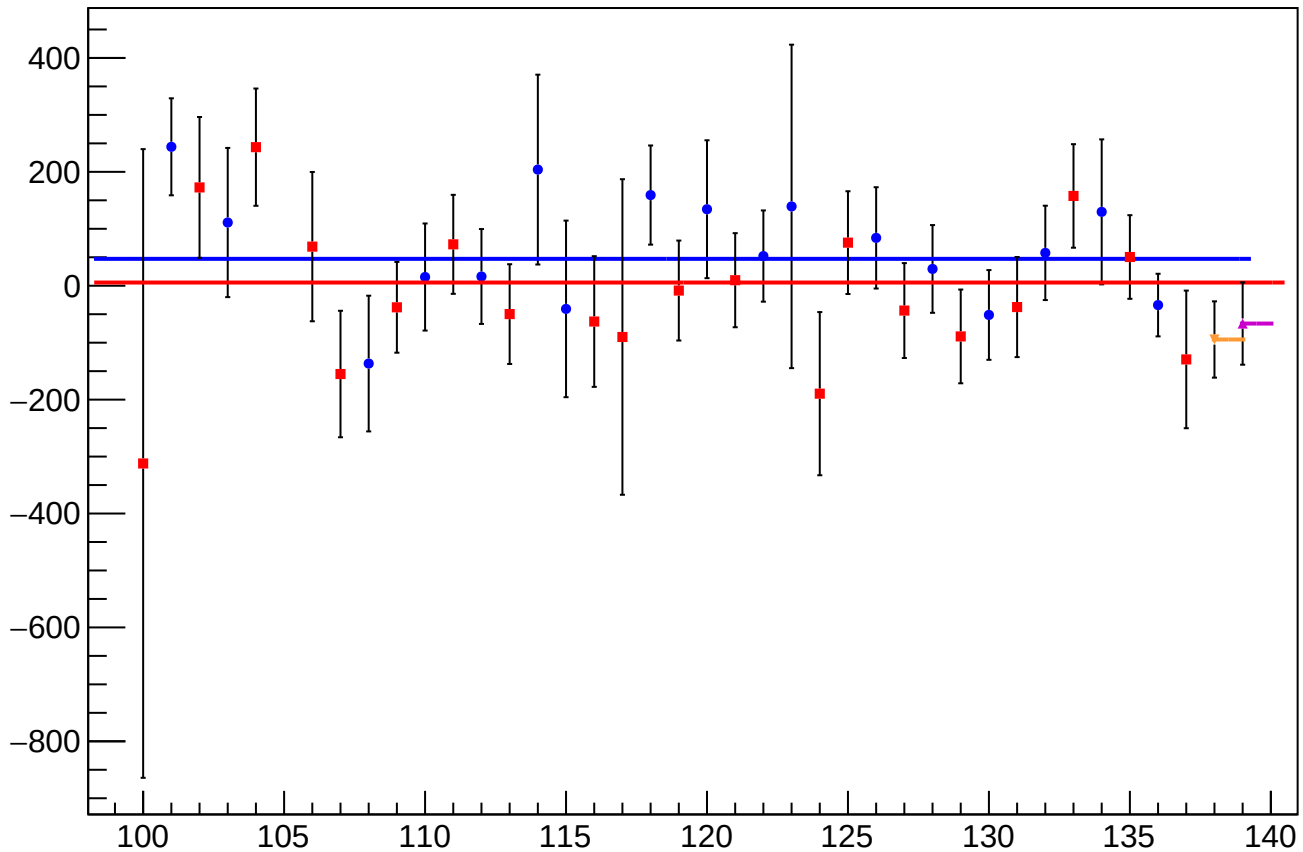
Left In: 1152.974 $\pm$ 0.965 χ^2 /NDF: 0.0/0

1174.566 $\pm$ 0.314 χ^2 /NDF: 695343.2/17

1152.919 $\pm$ 0.215 χ^2 /NDF: 1478485.3/38

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: -94.395 $\pm$ 66.992 χ^2 /NDF: 0.0/0

Right Out: 5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

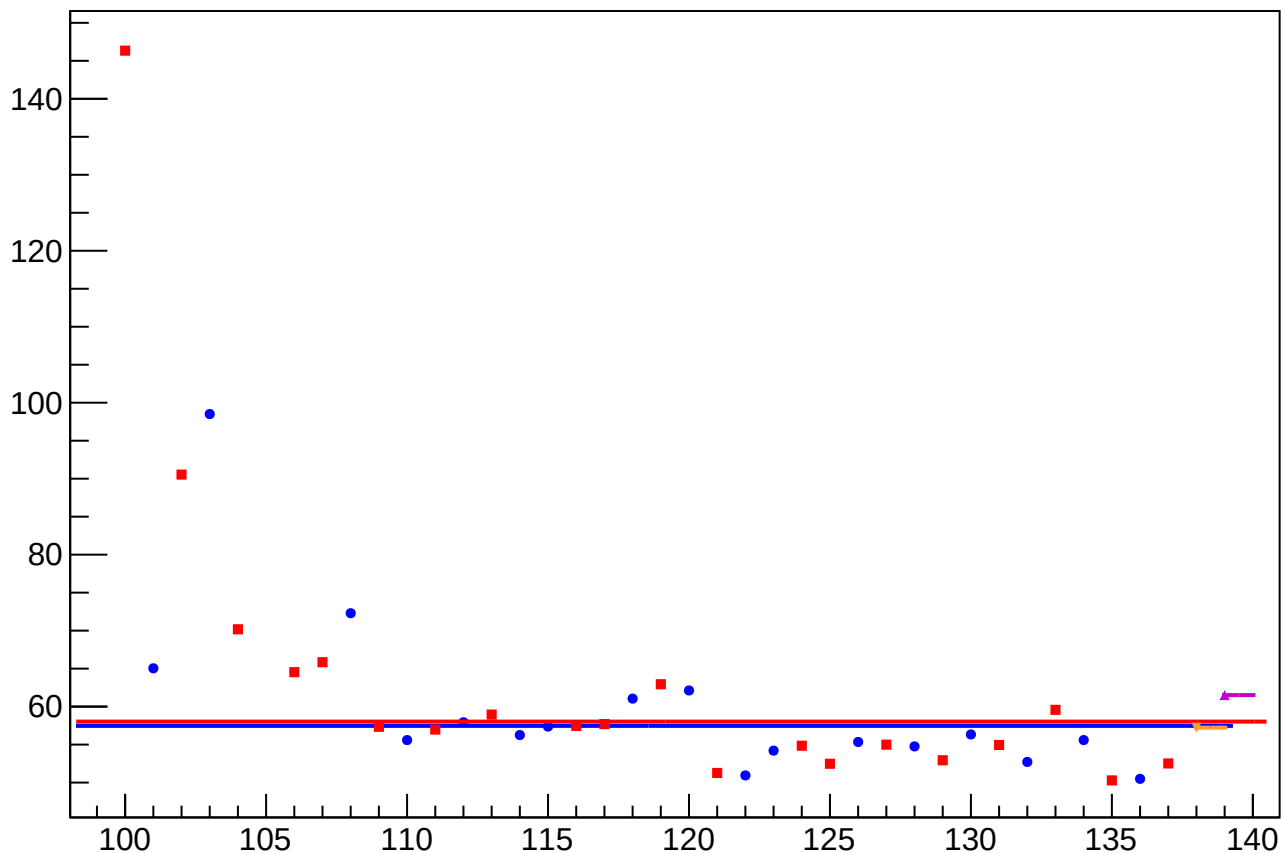
Left In: -66.421 $\pm$ 72.240 χ^2 /NDF: 0.0/0

32.791 $\pm$ 21.384 χ^2 /NDF: 20.1/17

15.915 $\pm$ 15.018 χ^2 /NDF: 42.6/38

-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+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 57.235+/-0.047 χ^2/NDF : 0.0/0

Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

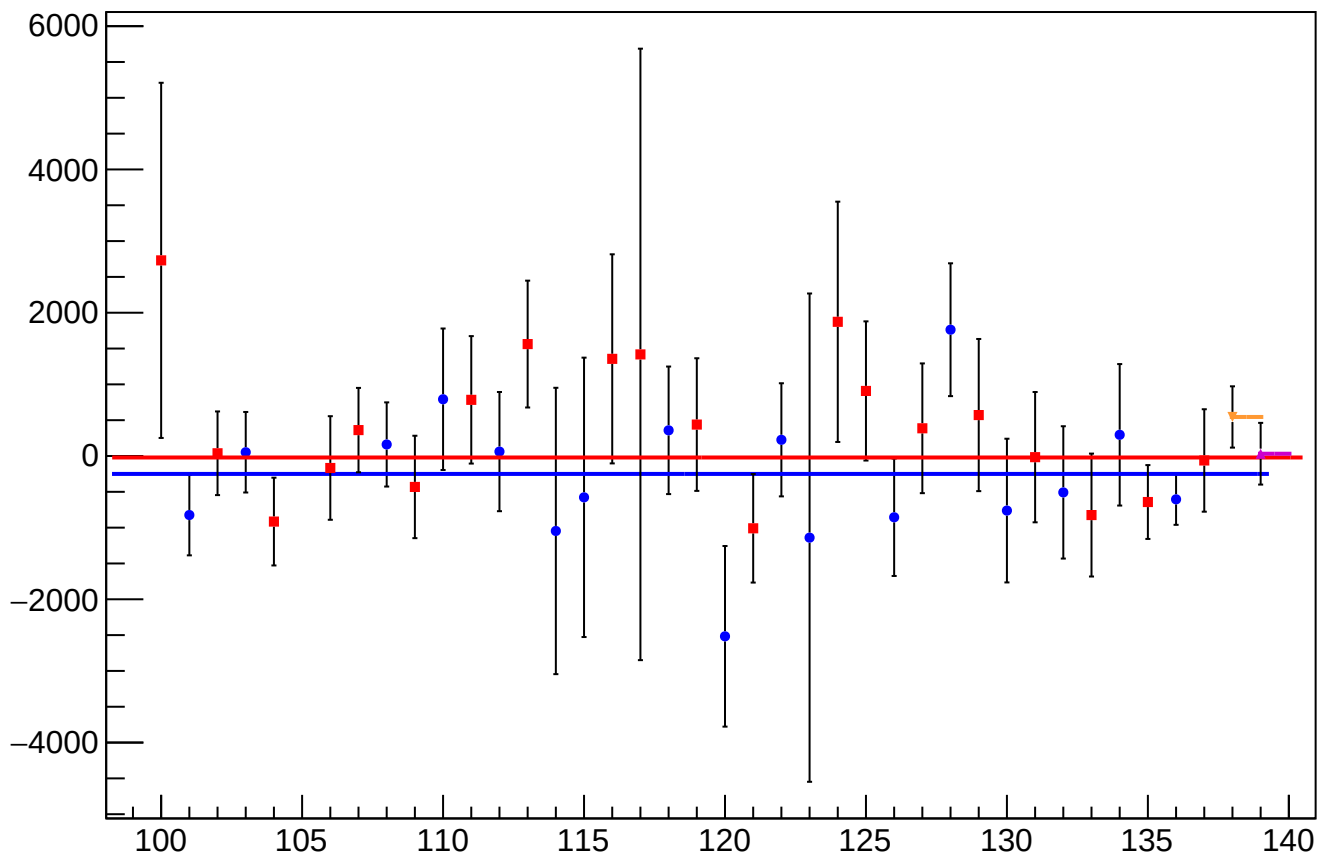
Left In: 61.518+/-0.051 χ^2/NDF : 0.0/0

57.442+/-0.015 χ^2/NDF : 307177.7/17

57.888+/-0.011 χ^2/NDF : 613965.9/38

58.323+/-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: 544.920+/-427.852 χ^2/NDF : 0.0/0

Right Out: -20.701+/-181.669 χ^2/NDF : 16.2/19

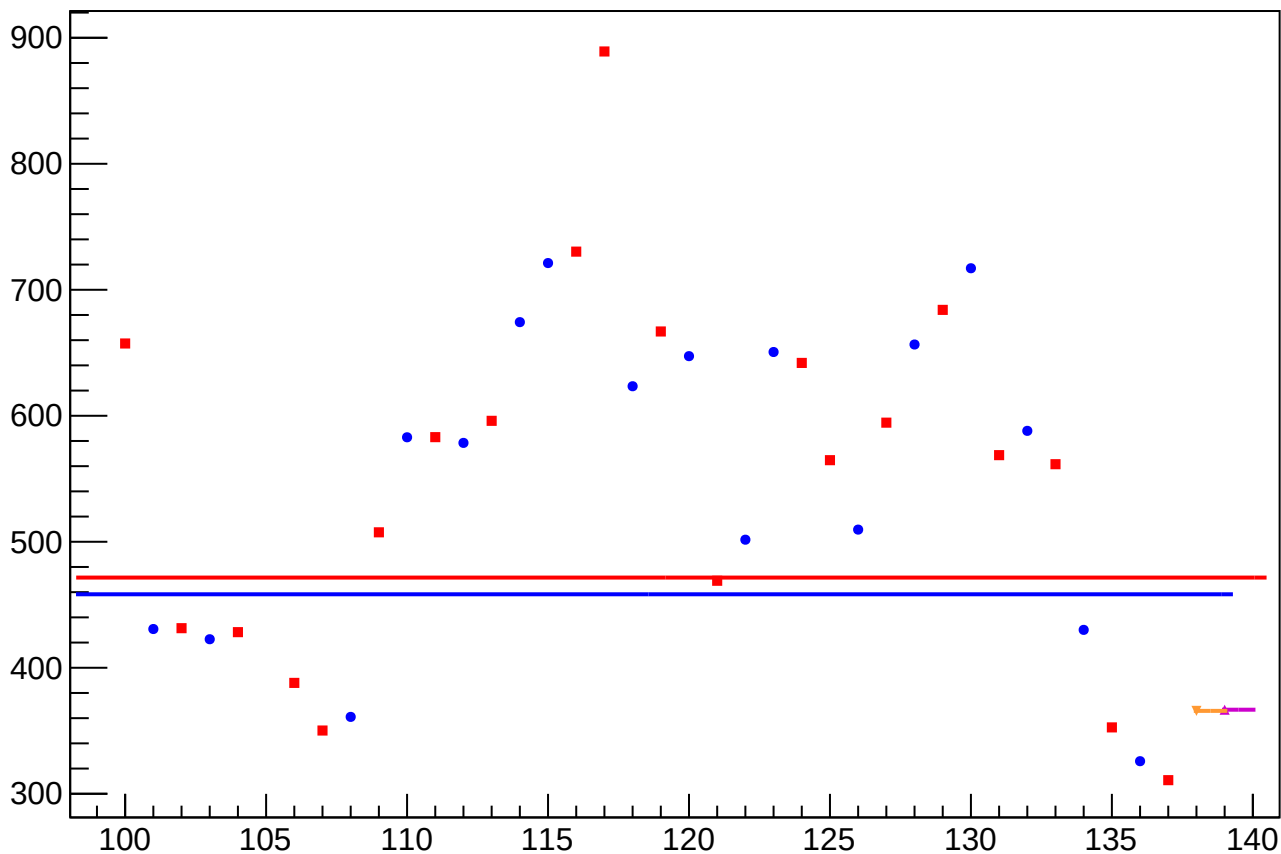
Left In: 31.804+/-430.764 χ^2/NDF : 0.0/0

-125.942+/-169.103 χ^2/NDF : 17.2/17

-68.782+/-118.964 χ^2/NDF : 33.6/38

-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+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 365.782+/-0.303 χ^2/NDF : 0.0/0

Right Out: 471.585+/-0.128 χ^2/NDF : 797816.0/19

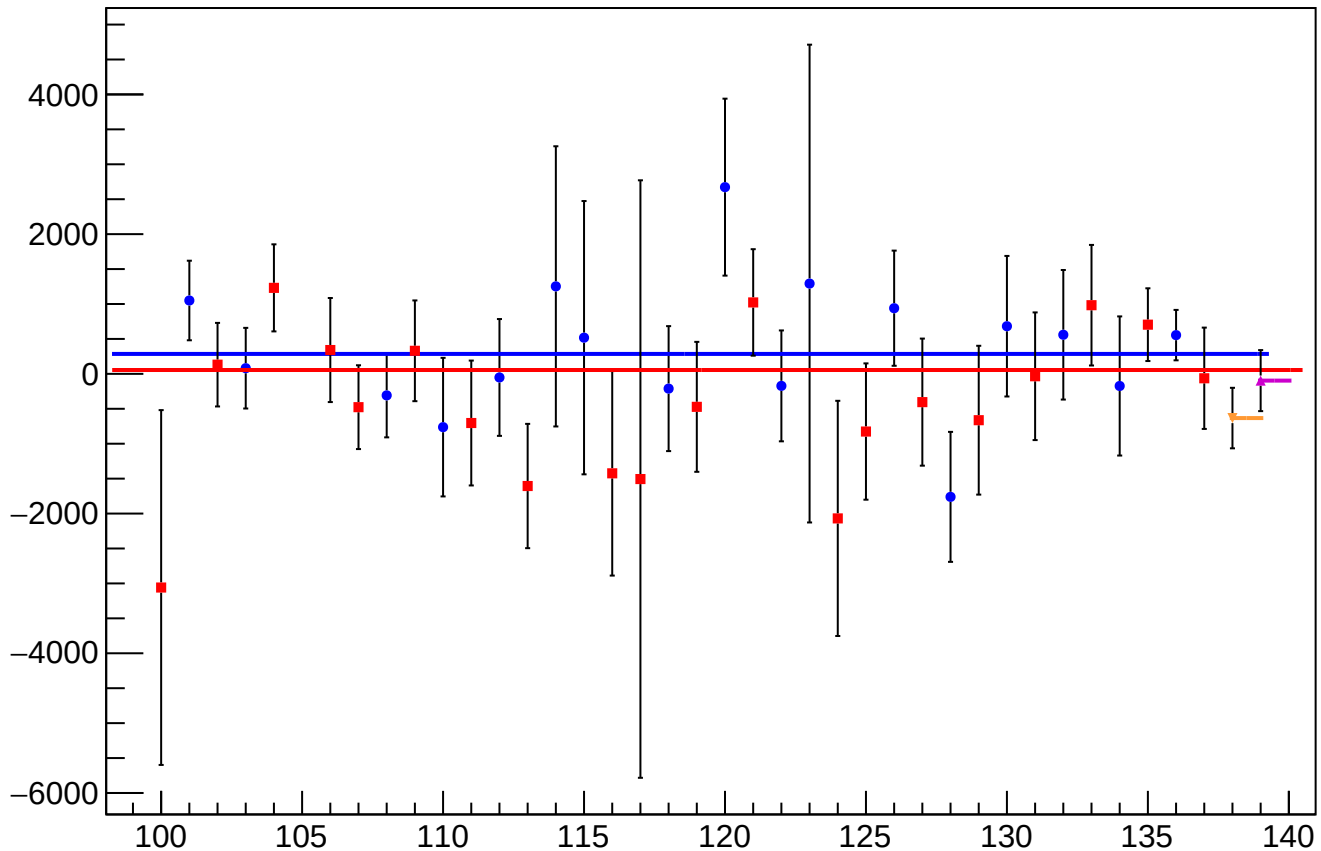
Left In: 366.714+/-0.305 χ^2/NDF : 0.0/0

443.868+/-0.120 χ^2/NDF : 956151.7/17

449.869+/-0.084 χ^2/NDF : 1859595.1/38

455.749+/-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: -632.956 $\pm$ 433.142 χ^2 /NDF:0.0/0

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

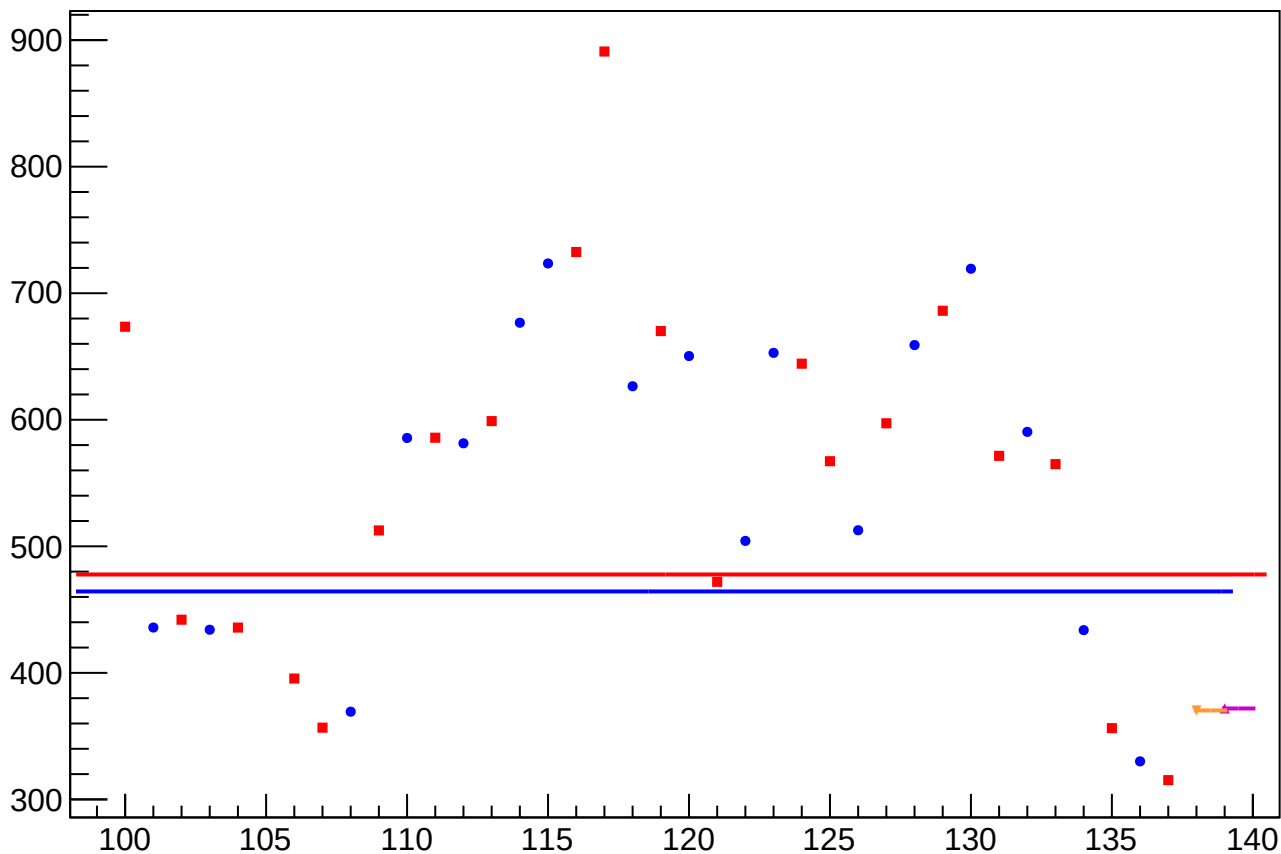
Left In: -96.767 $\pm$ 436.804 χ^2 /NDF:0.0/0

142.037 $\pm$ 171.111 χ^2 /NDF: 19.0/17

86.617 $\pm$ 120.418 χ^2 /NDF: 38.6/38

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 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 370.315 $\pm$ 0.306 χ^2 /NDF: 0.0/0

Right Out: 477.754 $\pm$ 0.130 χ^2 /NDF: 768041.0/19

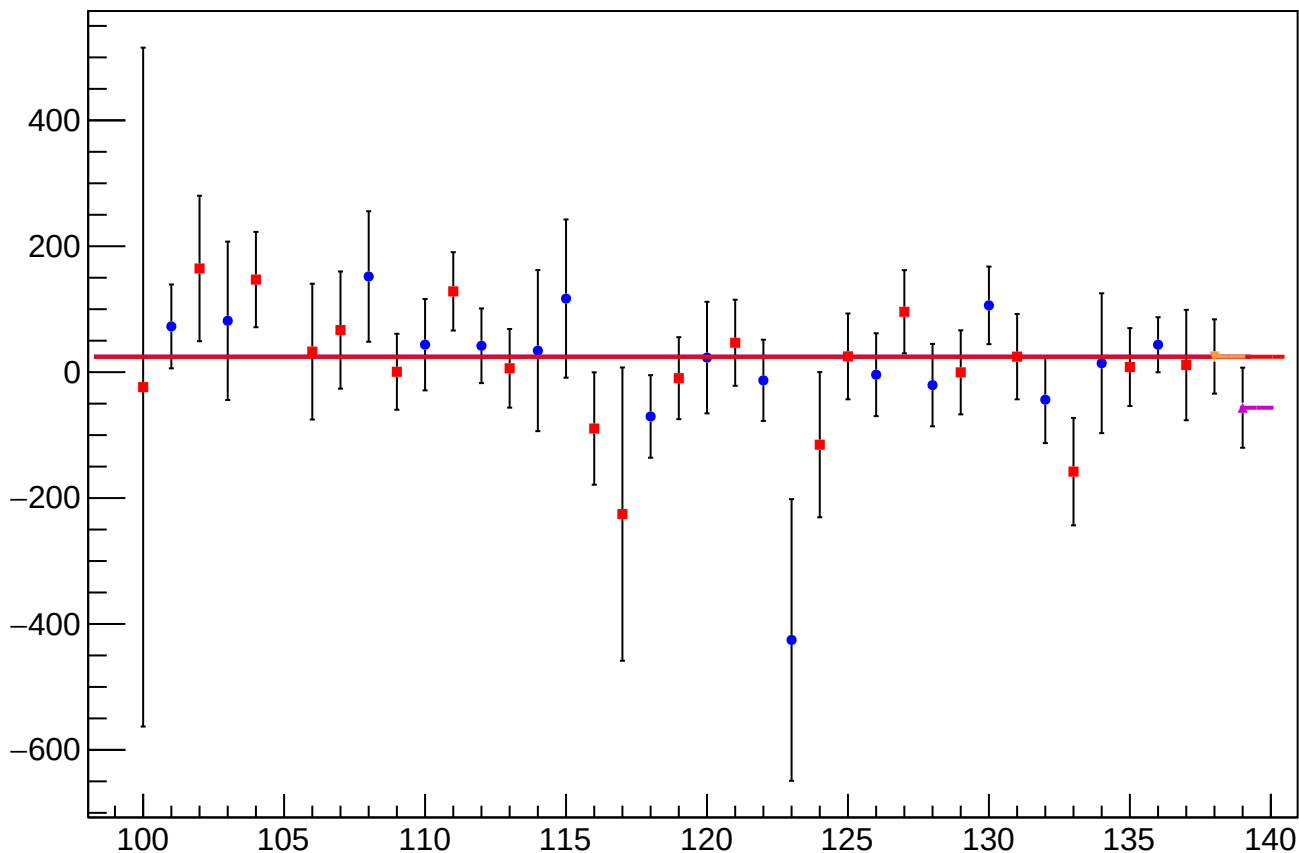
Left In: 371.864 $\pm$ 0.309 χ^2 /NDF: 0.0/0

449.667 $\pm$ 0.121 χ^2 /NDF: 925438.0/17

455.797 $\pm$ 0.085 χ^2 /NDF: 1798401.9/38

461.811 $\pm$ 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: 24.888+/-59.000 χ^2/NDF : 0.0/0

Right Out: 24.491+/-17.338 χ^2/NDF : 18.0/19

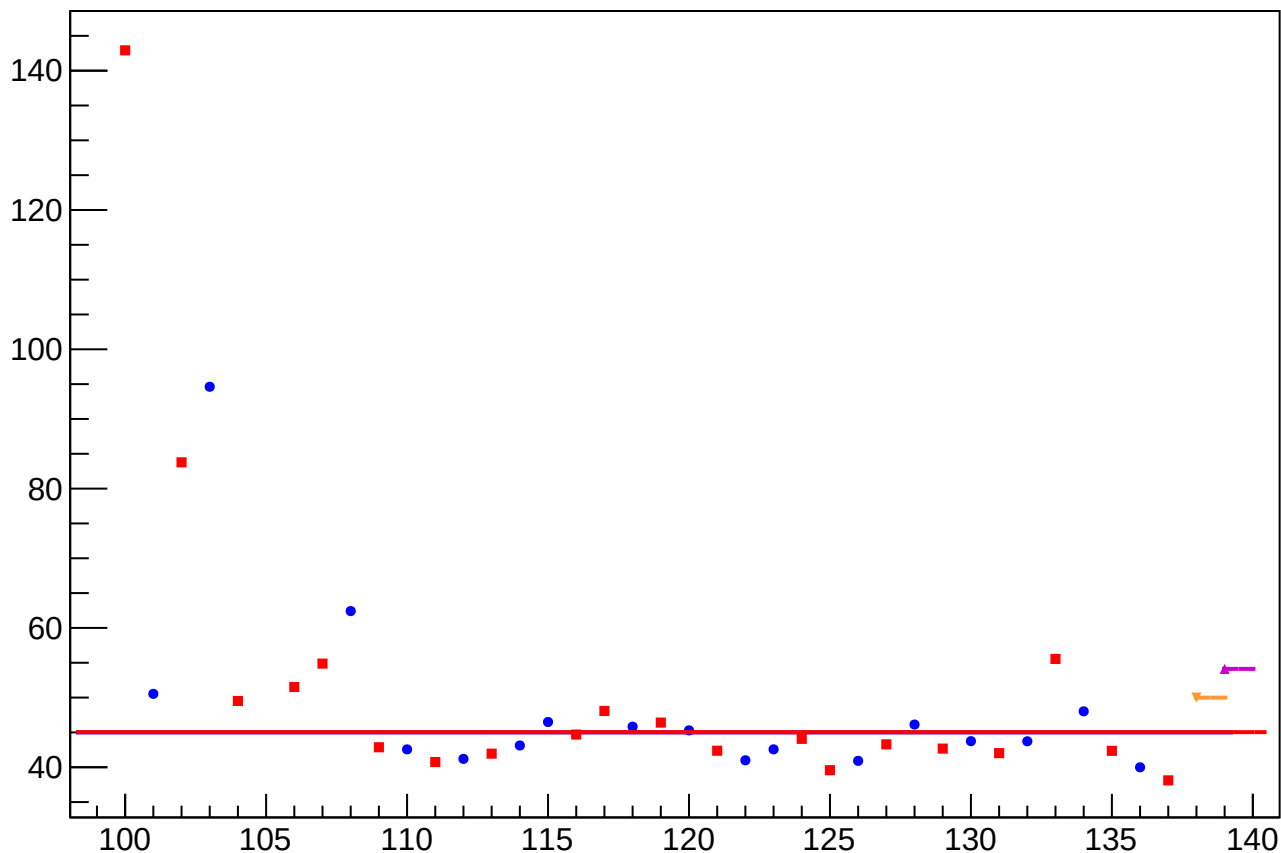
Left In: -56.487+/-63.619 χ^2/NDF : 0.0/0

24.610+/-17.076 χ^2/NDF : 13.0/17

21.692+/-11.949 χ^2/NDF : 32.5/38

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: 49.989 $\pm$ 0.042 χ^2 /NDF: 0.0/0

Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

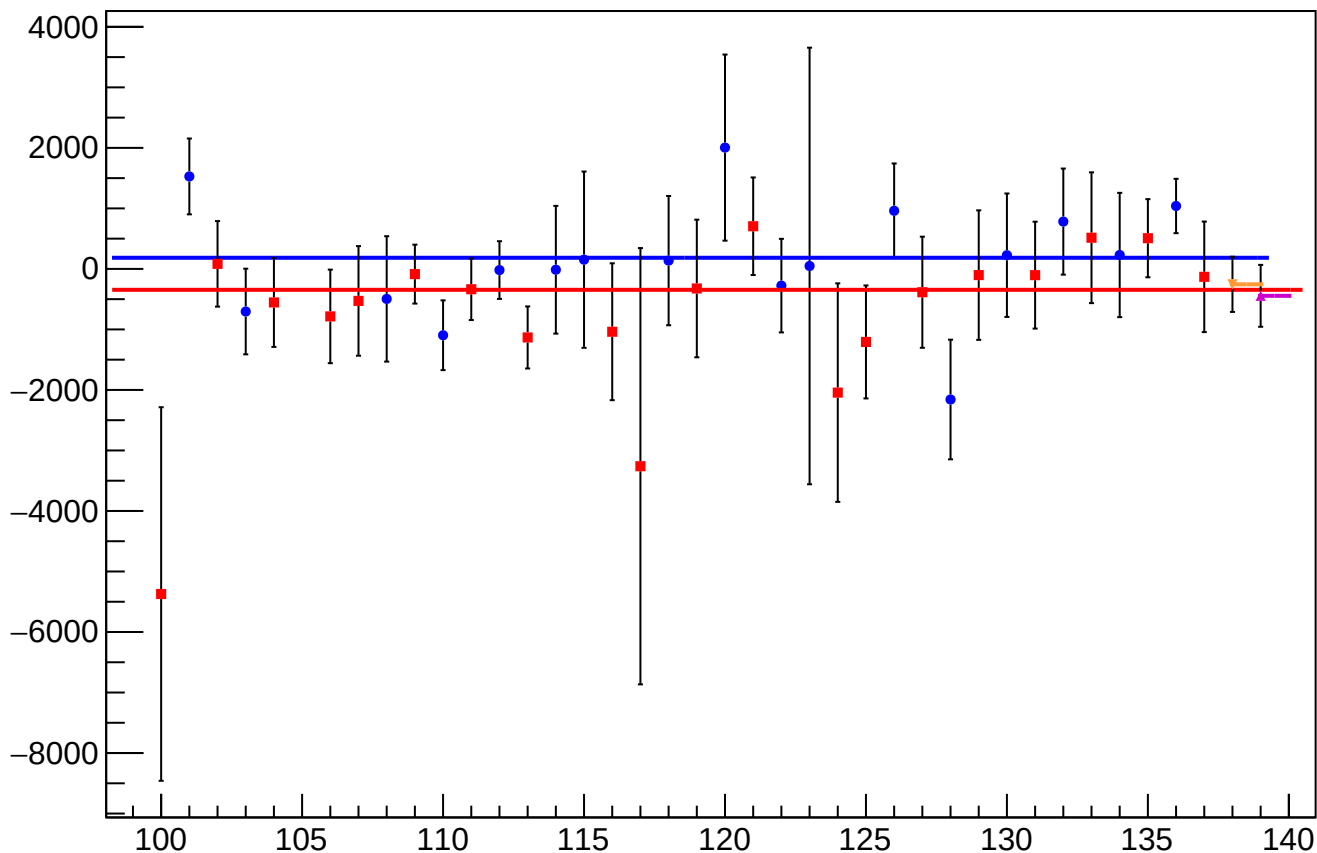
Left In: 54.119 $\pm$ 0.045 χ^2 /NDF: 0.0/0

45.419 $\pm$ 0.012 χ^2 /NDF: 451450.1/17

45.543 $\pm$ 0.008 χ^2 /NDF: 905475.5/38

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: -254.867 $\pm$ 455.864 χ^2 /NDF: 0.0/0

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

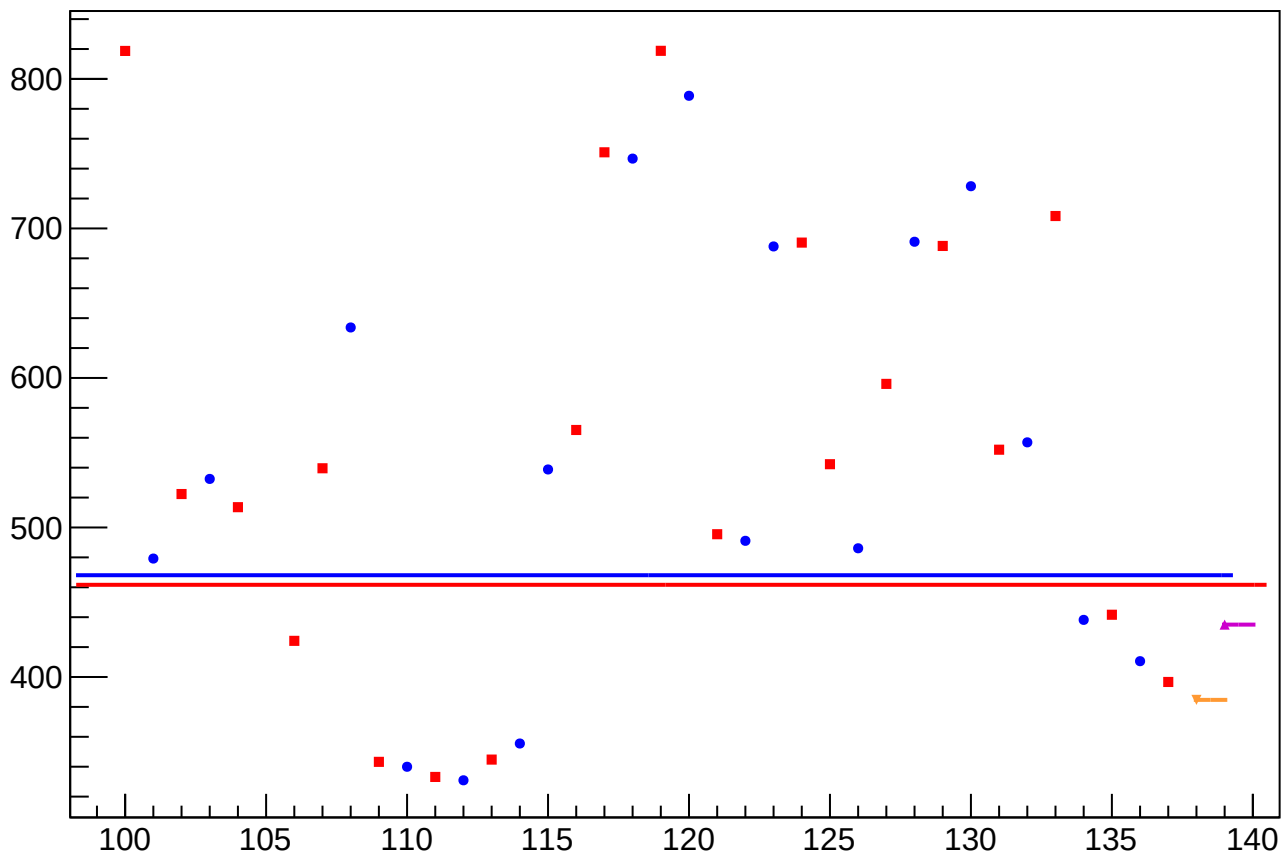
Left In: -444.814 $\pm$ 511.444 χ^2 /NDF: 0.0/0

120.042 $\pm$ 174.241 χ^2 /NDF: 25.0/17

-125.331 $\pm$ 121.343 χ^2 /NDF: 42.0/38

-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: 384.699+/-0.322 χ^2/NDF : 0.0/0

Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

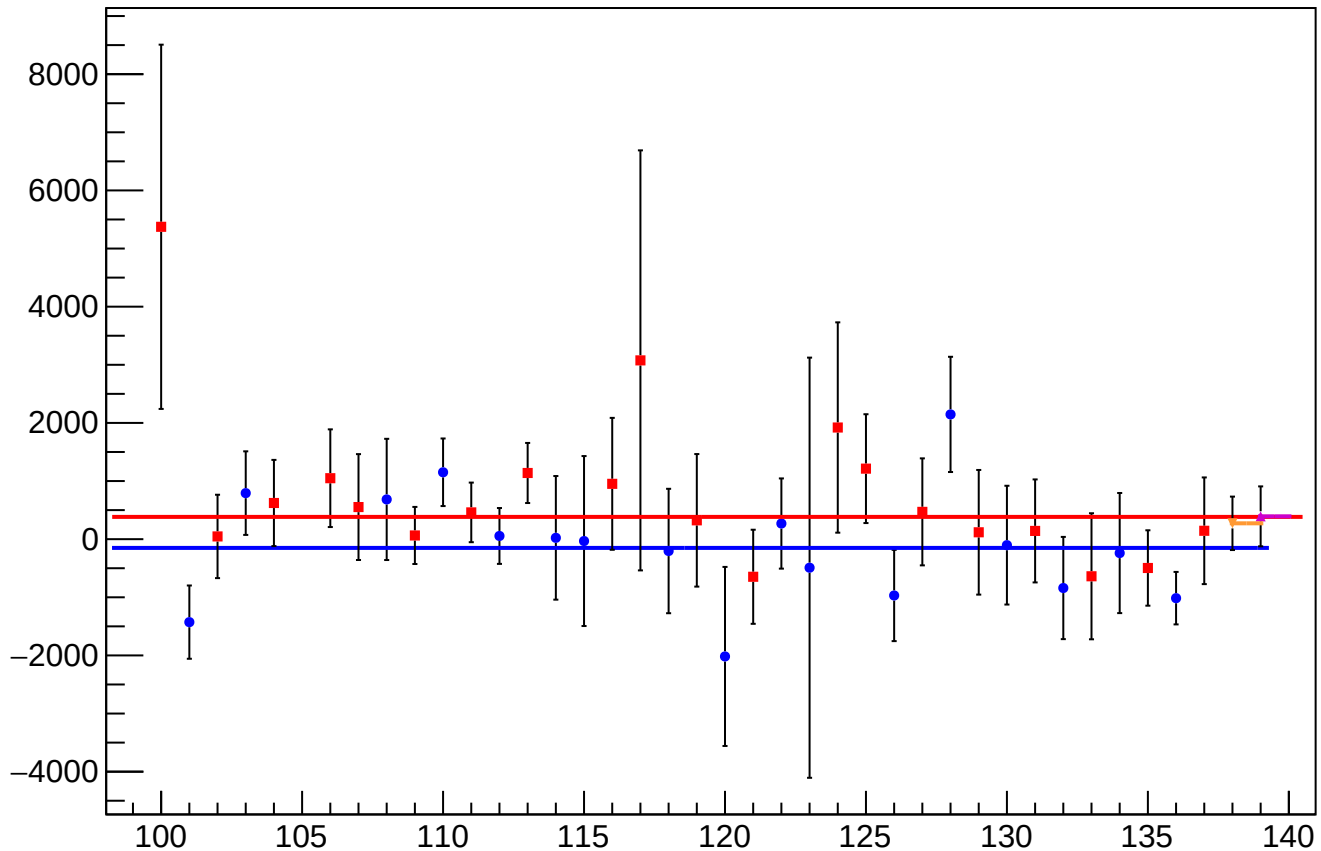
Left In: 435.031+/-0.362 χ^2/NDF : 0.0/0

455.891+/-0.123 χ^2/NDF : 937442.8/17

457.361+/-0.086 χ^2/NDF : 1910486.3/38

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: 272.633+/-459.701 χ^2/NDF : 0.0/0

Right Out: 383.331+/-181.030 χ^2/NDF : 13.0/19

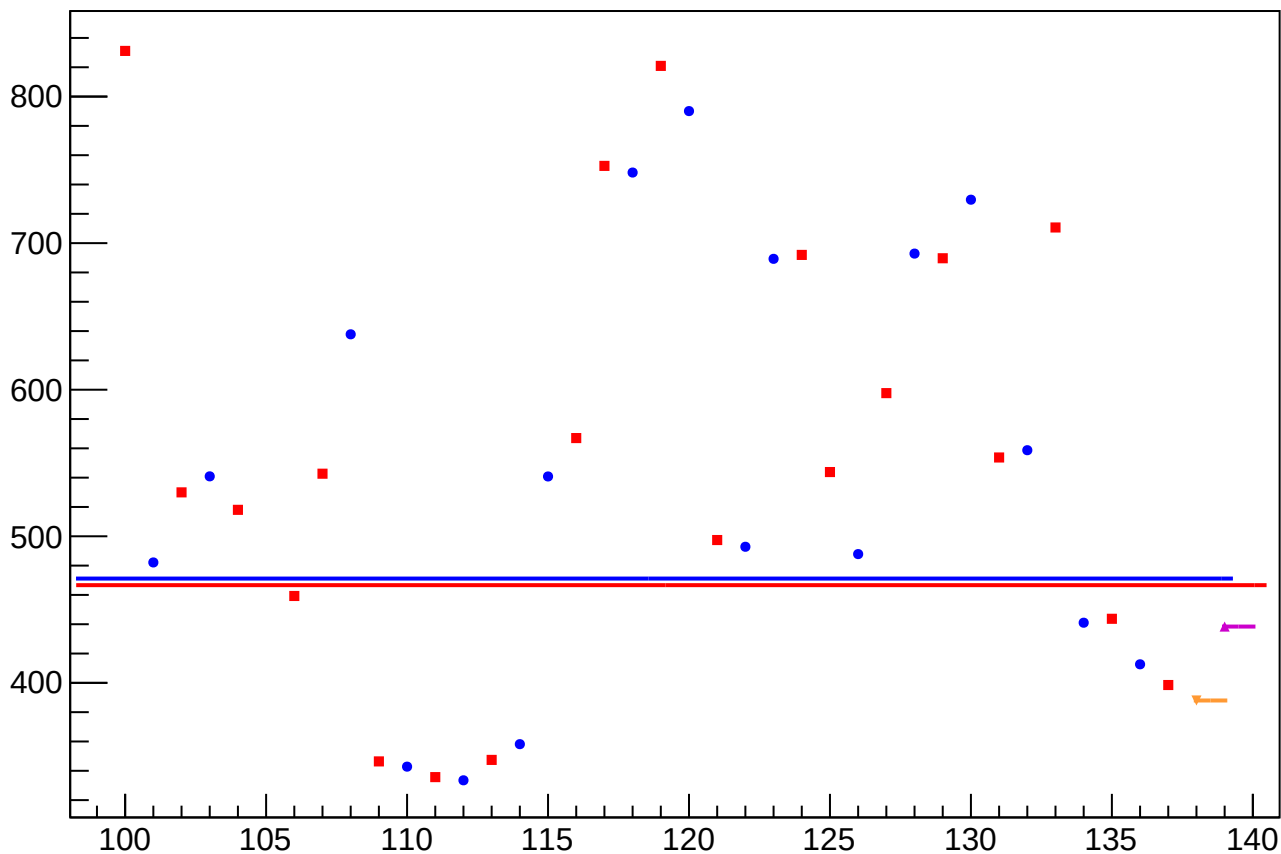
Left In: 392.561+/-515.405 χ^2/NDF : 0.0/0

-88.747+/-175.379 χ^2/NDF : 24.9/17

154.055+/-122.361 χ^2/NDF : 41.6/38

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: 387.970+/-0.325 χ^2/NDF : 0.0/0

Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

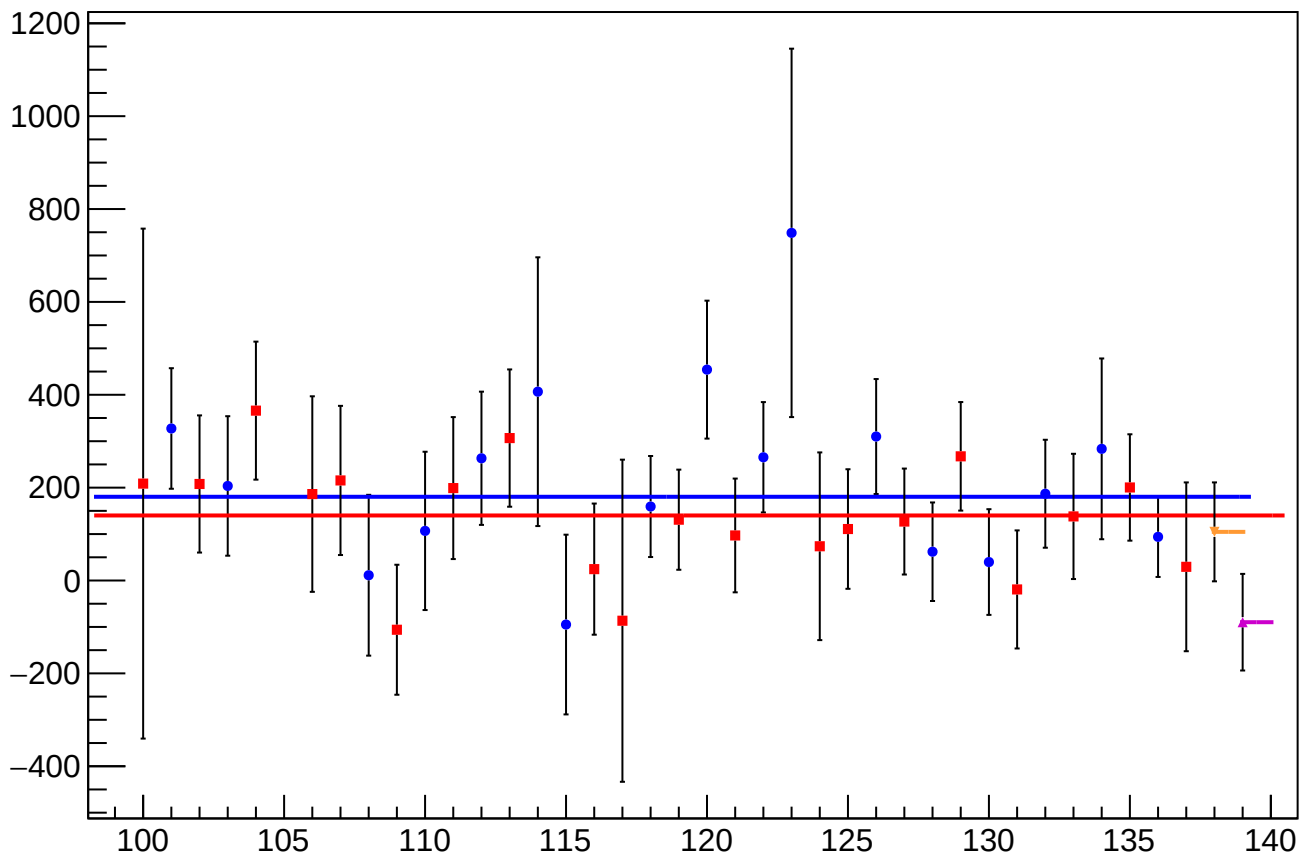
Left In: 438.406+/-0.364 χ^2/NDF : 0.0/0

459.049+/-0.124 χ^2/NDF : 927791.3/17

461.360+/-0.087 χ^2/NDF : 1886905.1/38

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: 104.761 $\pm$ 106.517 χ^2 /NDF: 0.0/0

Right Out: 140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

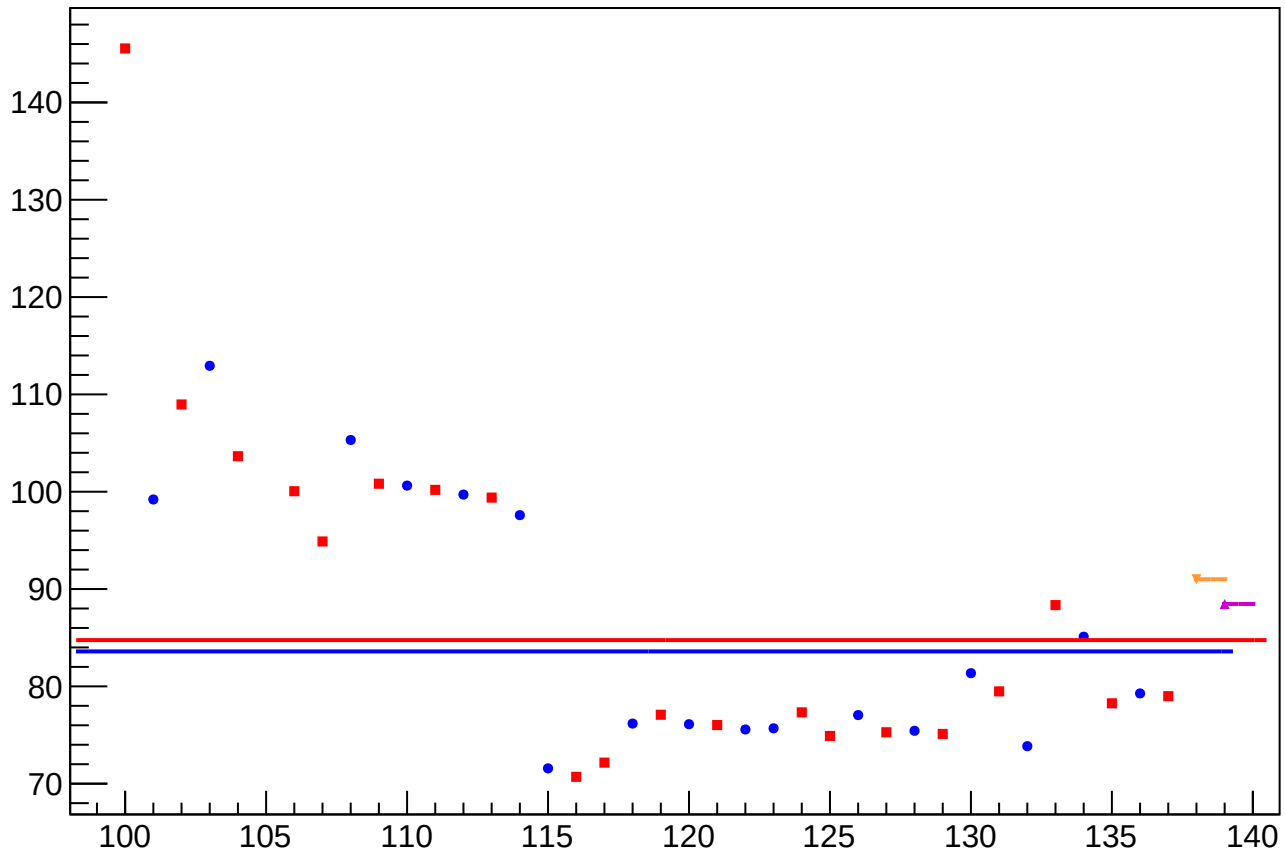
Left In: -89.783 $\pm$ 104.039 χ^2 /NDF: 0.0/0

173.793 $\pm$ 31.320 χ^2 /NDF: 17.0/17

146.399 $\pm$ 21.946 χ^2 /NDF: 35.1/38

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 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 91.006 $\pm$ 0.075 χ^2 /NDF: 0.0/0

Right Out: 84.752 $\pm$ 0.023 χ^2 /NDF: 293262.6/19

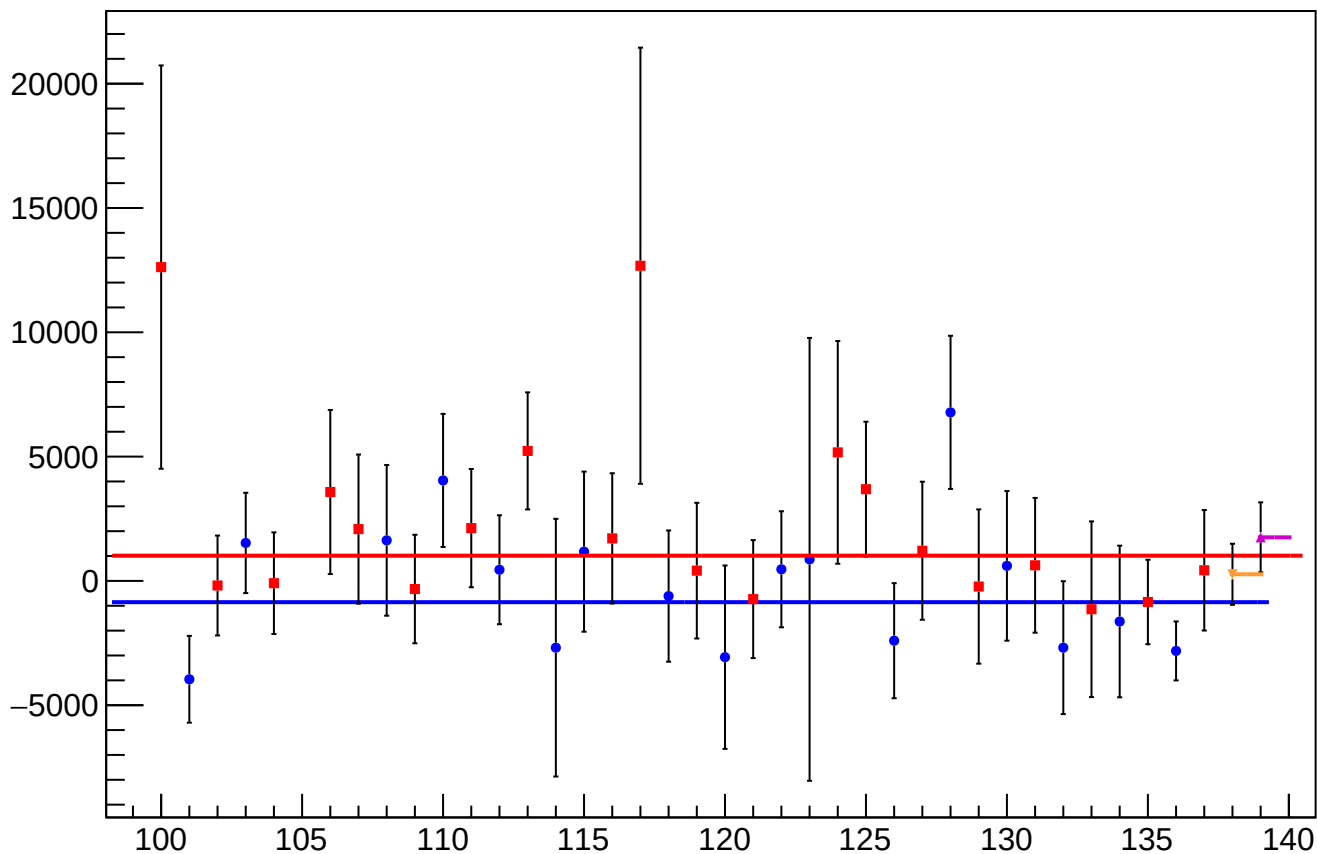
Left In: 88.466 $\pm$ 0.074 χ^2 /NDF: 0.0/0

84.232 $\pm$ 0.022 χ^2 /NDF: 264775.7/17

84.662 $\pm$ 0.016 χ^2 /NDF: 561105.1/38

85.076 $\pm$ 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: 267.276+/-1227.787 χ^2/NDF : 0.0/0

Right Out: 1015.523+/-587.747 χ^2/NDF : 13.3/19

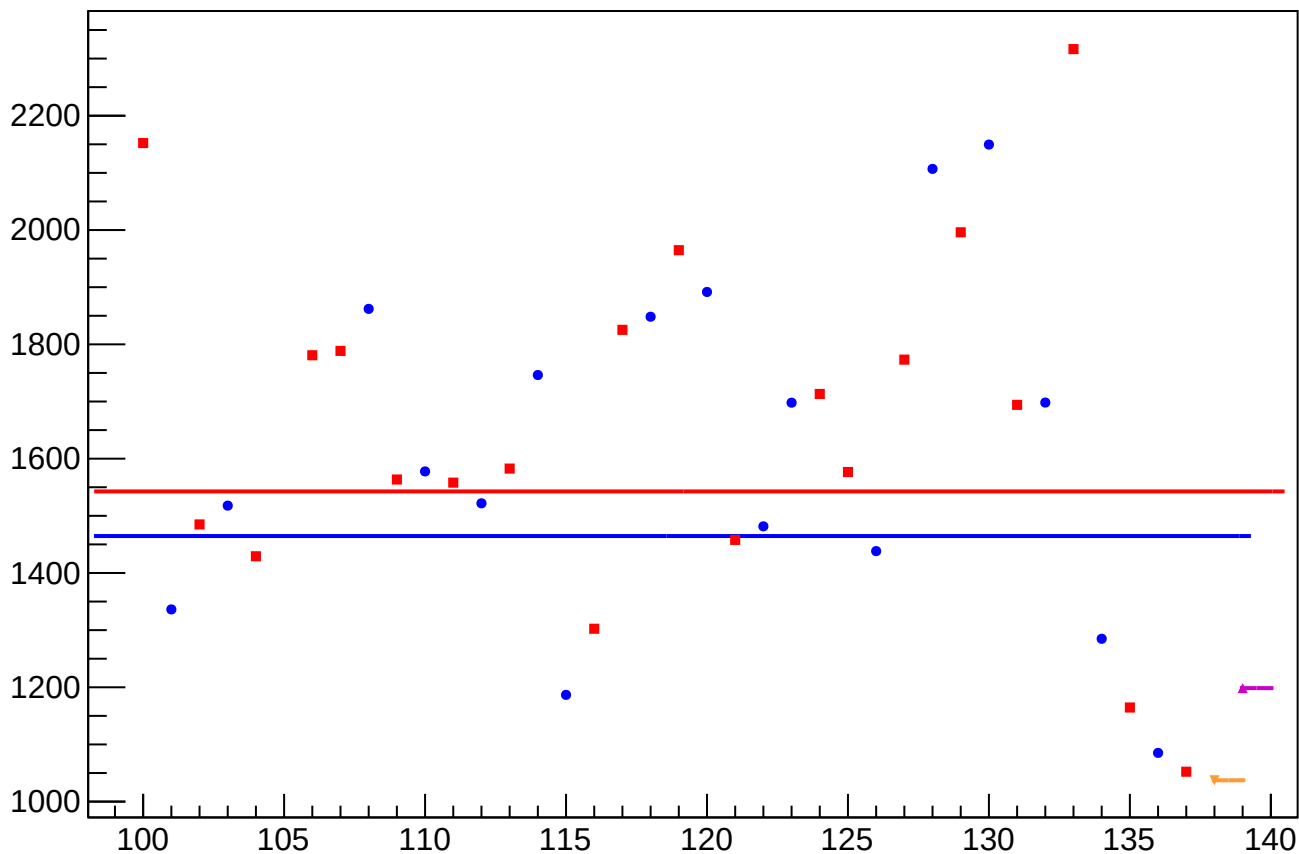
Left In: 1752.098+/-1407.493 χ^2/NDF : 0.0/0

-648.599+/-526.858 χ^2/NDF : 21.0/17

212.441+/-377.906 χ^2/NDF : 40.0/38

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: 1037.267 $\pm$ 0.868 χ^2 /NDF: 0.0/0

Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

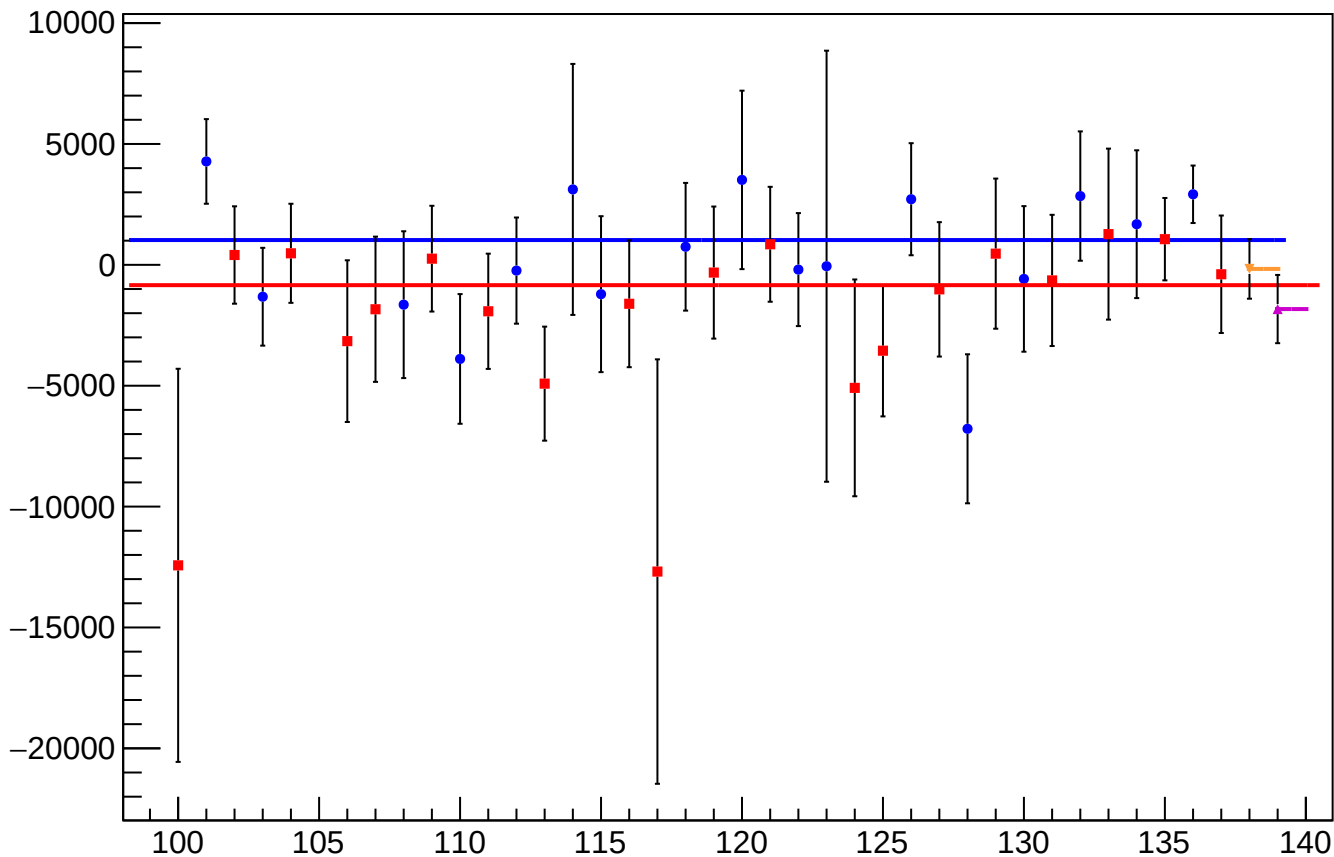
Left In: 1198.573 $\pm$ 0.995 χ^2 /NDF: 0.0/0

1385.941 $\pm$ 0.373 χ^2 /NDF: 758563.9/17

1437.225 $\pm$ 0.267 χ^2 /NDF: 1355174.9/38

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: -168.416 $\pm$ 1232.699 χ^2 /NDF:0.0/0

Right Out: -840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

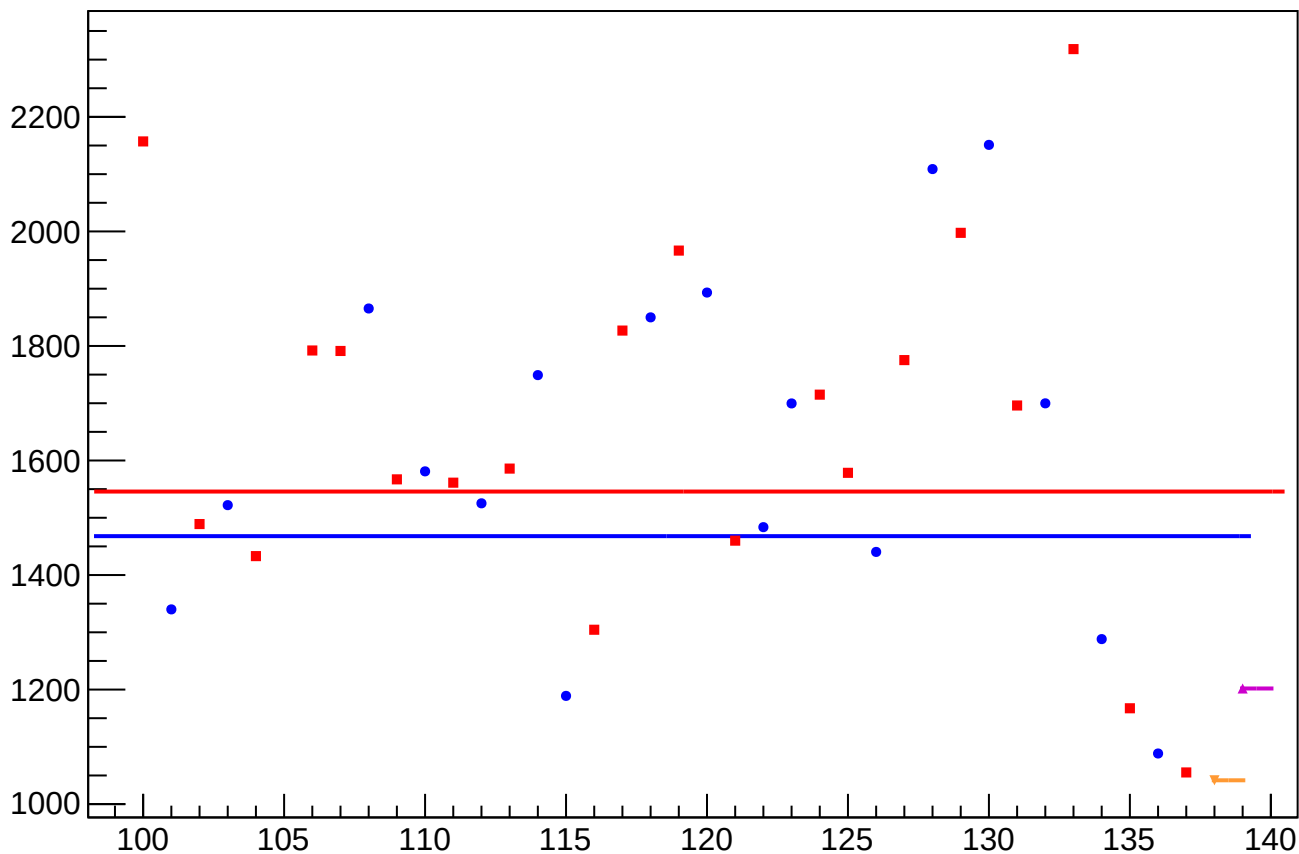
Left In: -1829.119 $\pm$ 1411.400 χ^2 /NDF:0.0/0

806.366 $\pm$ 528.137 χ^2 /NDF: 21.7/17

-64.540 $\pm$ 378.802 χ^2 /NDF: 40.7/38

-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+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 1041.580+/-0.872 χ^2/NDF : 0.0/0

Right Out: 1545.785+/-0.417 χ^2/NDF : 453865.6/19

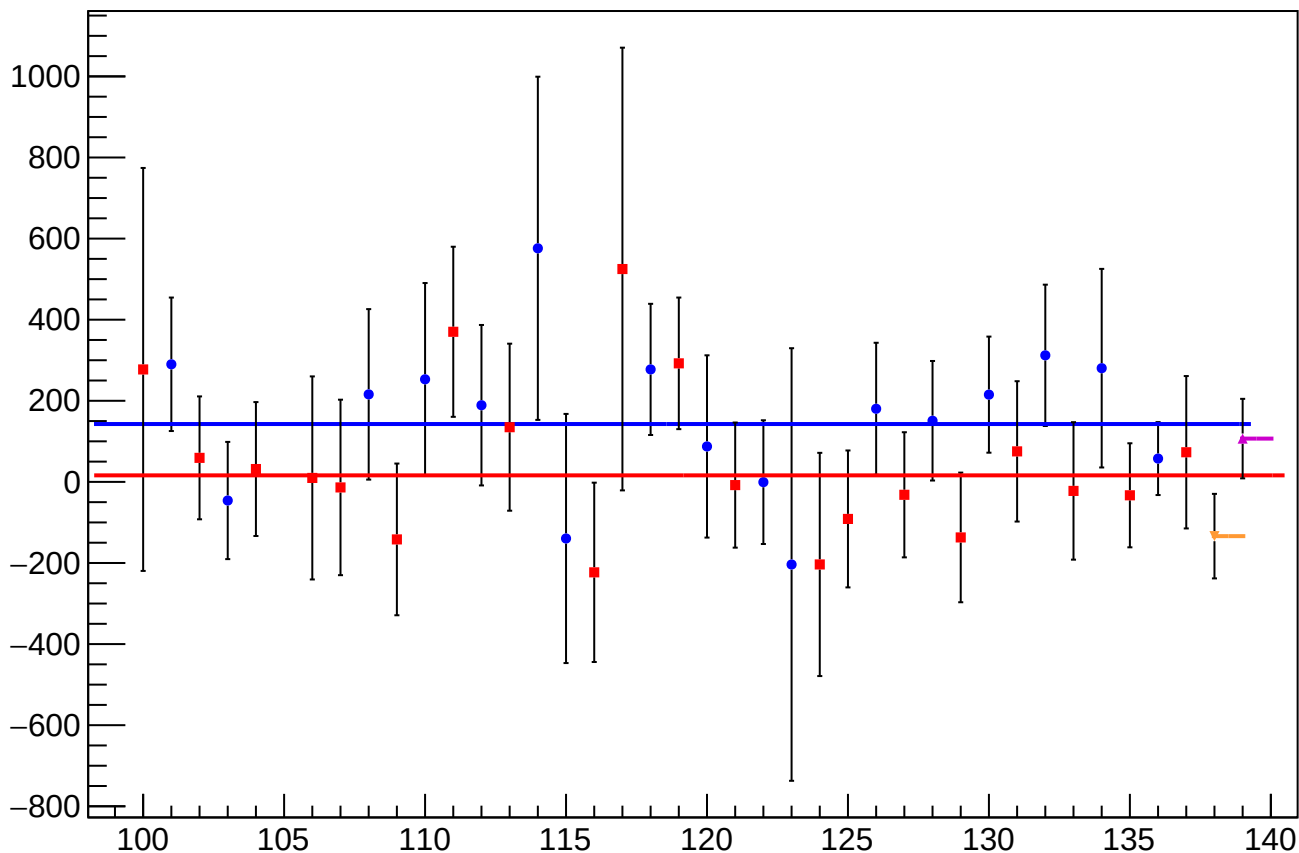
Left In: 1201.903+/-0.998 χ^2/NDF : 0.0/0

1389.649+/-0.373 χ^2/NDF : 752767.9/17

1440.692+/-0.268 χ^2/NDF : 1346221.5/38

1494.771+/-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: -133.795 $\pm$ 104.254 χ^2 /NDF:0.0/0

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

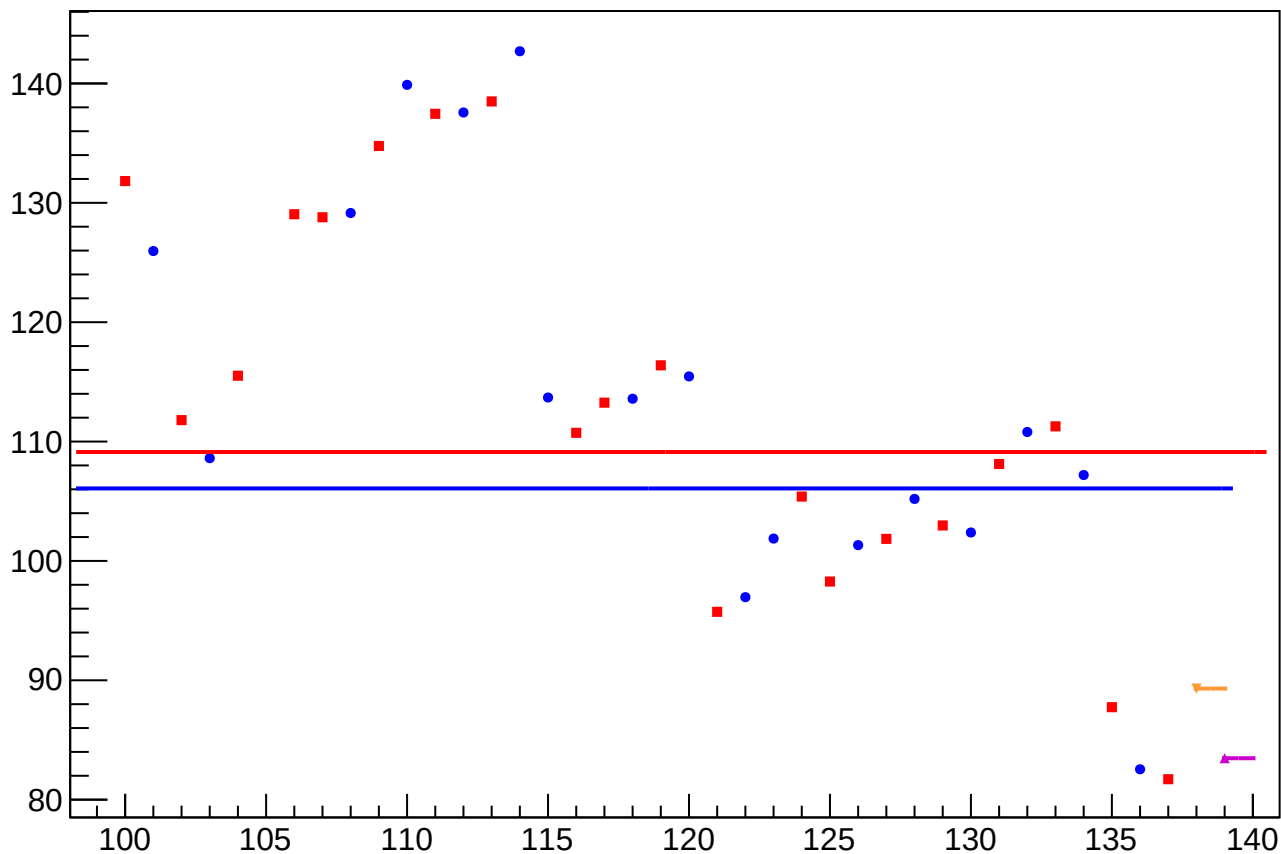
Left In: 106.746 $\pm$ 98.052 χ^2 /NDF:0.0/0

104.669 $\pm$ 38.658 χ^2 /NDF: 15.4/17

66.609 $\pm$ 27.115 χ^2 /NDF: 29.7/38

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: 89.306 $\pm$ 0.074 χ^2 /NDF: 0.0/0

Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

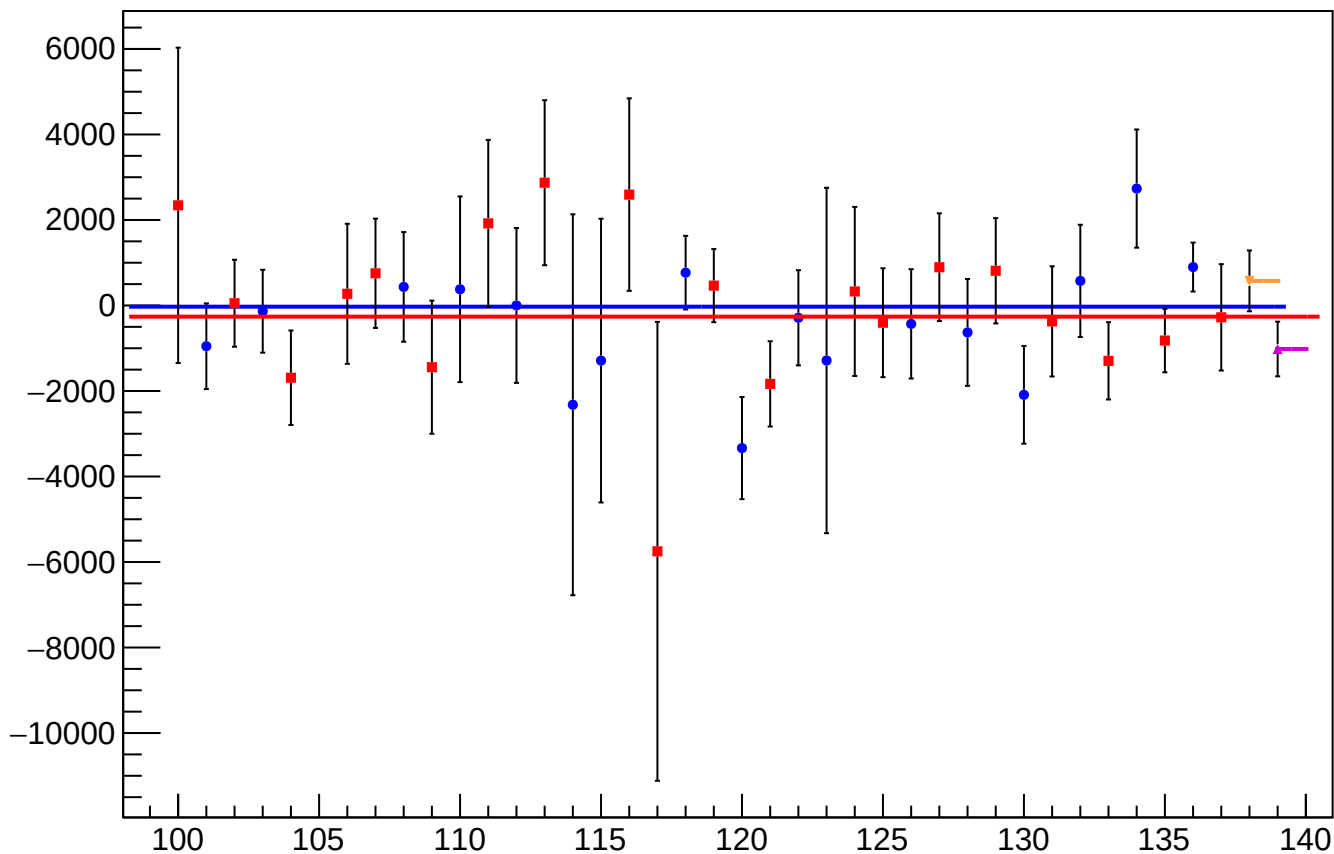
Left In: 83.471 $\pm$ 0.069 χ^2 /NDF: 0.0/0

103.768 $\pm$ 0.027 χ^2 /NDF: 362527.6/17

104.527 $\pm$ 0.019 χ^2 /NDF: 765840.3/38

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 $\chi^2/\text{NDF}: 20.5/16$

Left Out: 575.744 ± 711.146 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -261.265 ± 279.073 $\chi^2/\text{NDF}: 16.9/19$

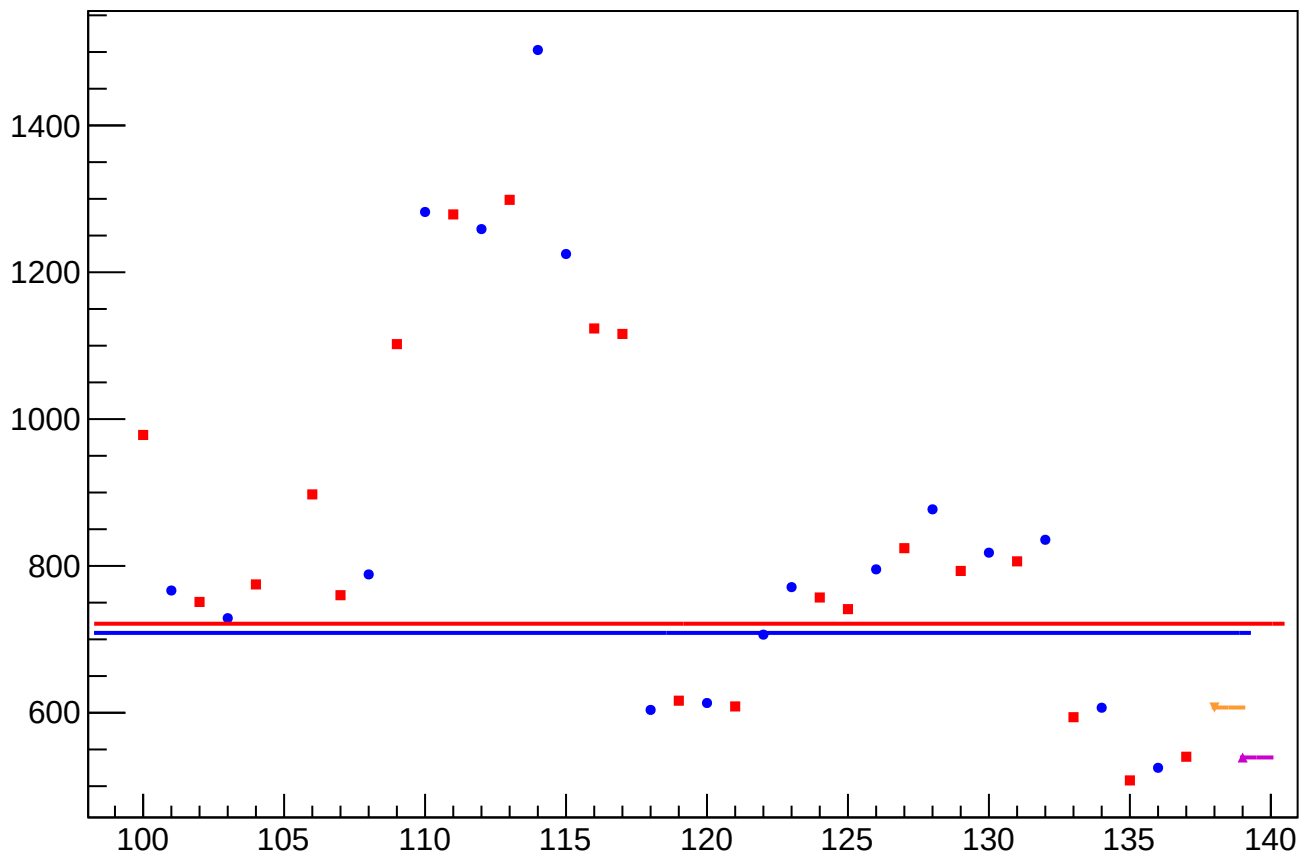
Left In: -1017.088 ± 639.537 $\chi^2/\text{NDF}: 0.0/0$

54.940 ± 263.539 $\chi^2/\text{NDF}: 21.1/17$

-170.141 ± 183.546 $\chi^2/\text{NDF}: 40.6/38$

-382.165 ± 255.781 $\chi^2/\text{NDF}: 18.1/20$

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: 607.148 $\pm$ 0.503 χ^2 /NDF: 0.0/0

Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

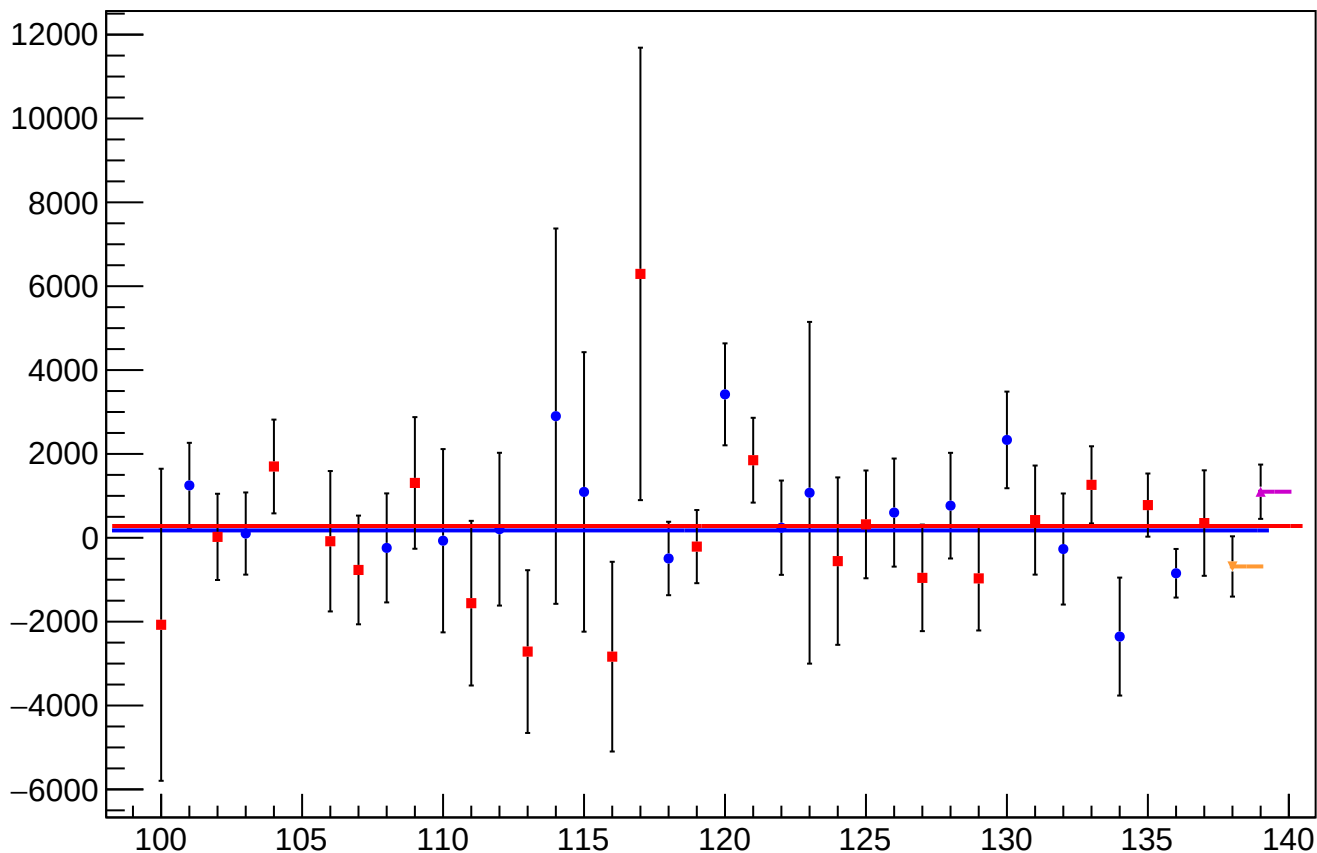
Left In: 539.105 $\pm$ 0.452 χ^2 /NDF: 0.0/0

694.826 $\pm$ 0.186 χ^2 /NDF: 828779.2/17

693.439 $\pm$ 0.130 χ^2 /NDF: 1875980.5/38

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 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -683.475 $\pm$ 719.022 χ^2 /NDF:0.0/0

Right Out: 281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

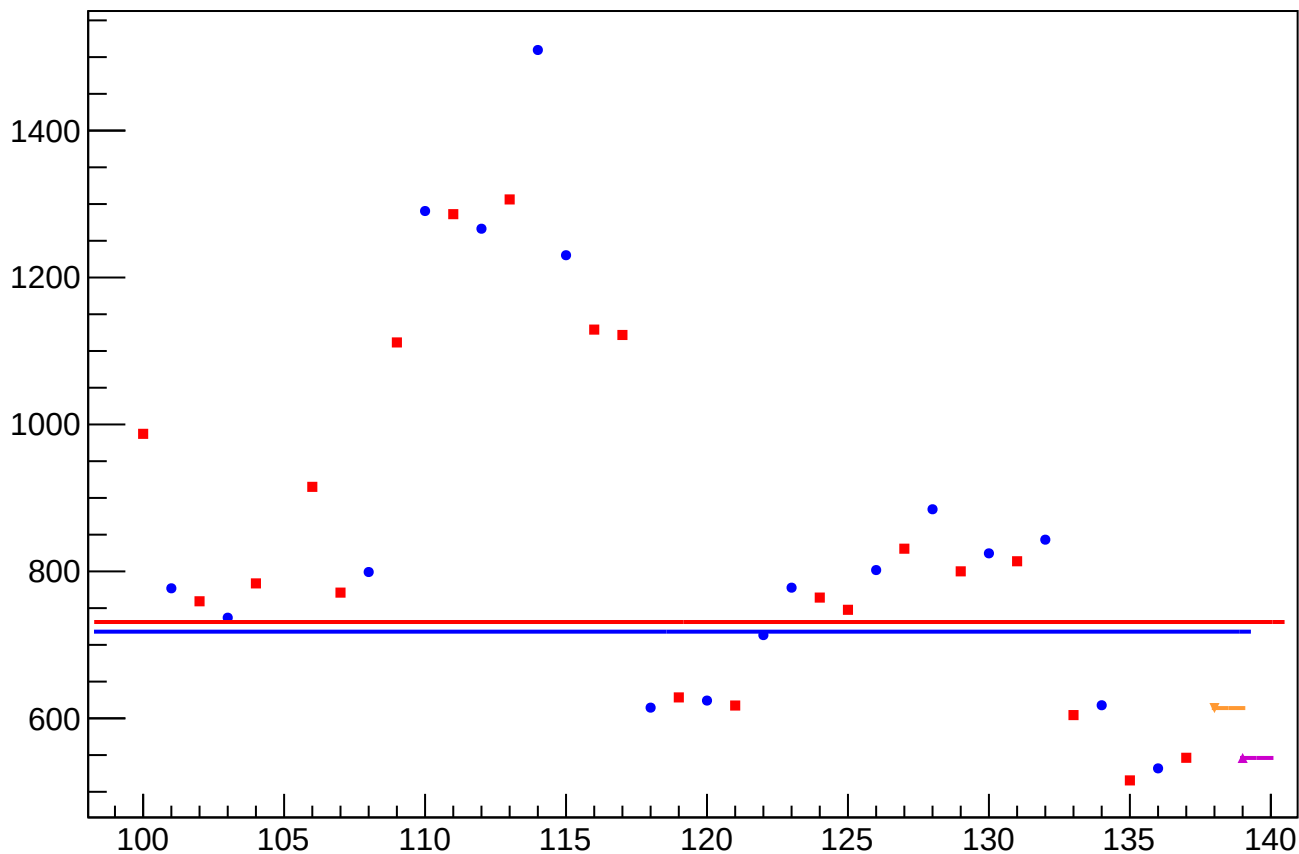
Left In: 1098.598 $\pm$ 647.510 χ^2 /NDF:0.0/0

57.604 $\pm$ 266.725 χ^2 /NDF: 21.0/17

239.974 $\pm$ 185.839 χ^2 /NDF: 39.3/38

412.030 $\pm$ 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: 613.974 $\pm$ 0.508 χ^2 /NDF: 0.0/0

Right Out: 731.116 $\pm$ 0.200 χ^2 /NDF: 892357.6/19

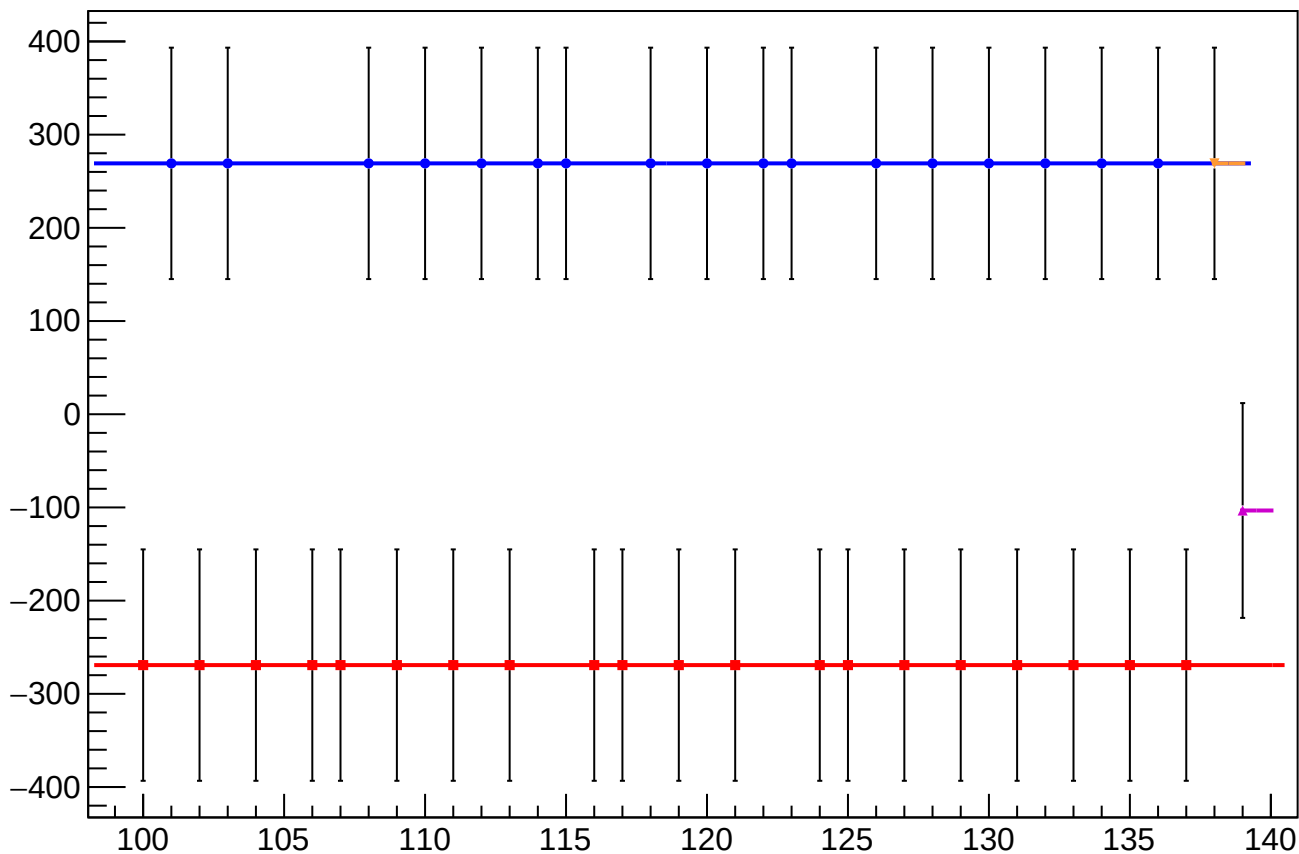
Left In: 546.079 $\pm$ 0.458 χ^2 /NDF: 0.0/0

703.662 $\pm$ 0.189 χ^2 /NDF: 814663.6/17

702.547 $\pm$ 0.131 χ^2 /NDF: 1844268.9/38

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: 269.172 $\pm$ 124.146 χ^2 /NDF:0.0/0

Right Out: -269.172 $\pm$ 27.760 χ^2 /NDF: 0.0/19

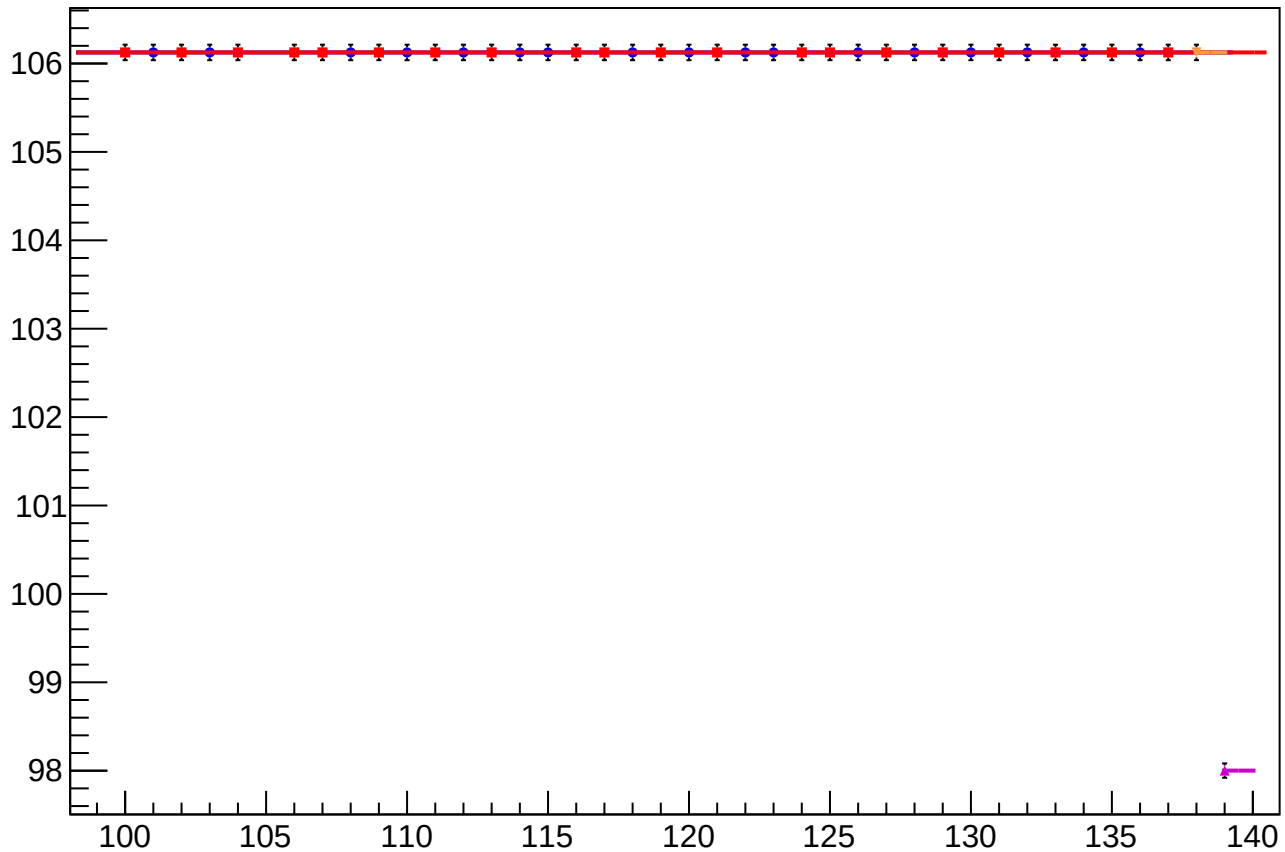
Left In: -103.290 $\pm$ 115.244 χ^2 /NDF:0.0/0

269.172 $\pm$ 29.261 χ^2 /NDF: 0.0/17

-16.808 $\pm$ 19.838 χ^2 /NDF: 178.7/38

-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 $\pm$ 0.021 χ^2 /NDF: 0.0/16

Left Out: 106.125 $\pm$ 0.088 χ^2 /NDF: 0.0/0

Right Out: 106.125 $\pm$ 0.020 χ^2 /NDF: 0.0/19

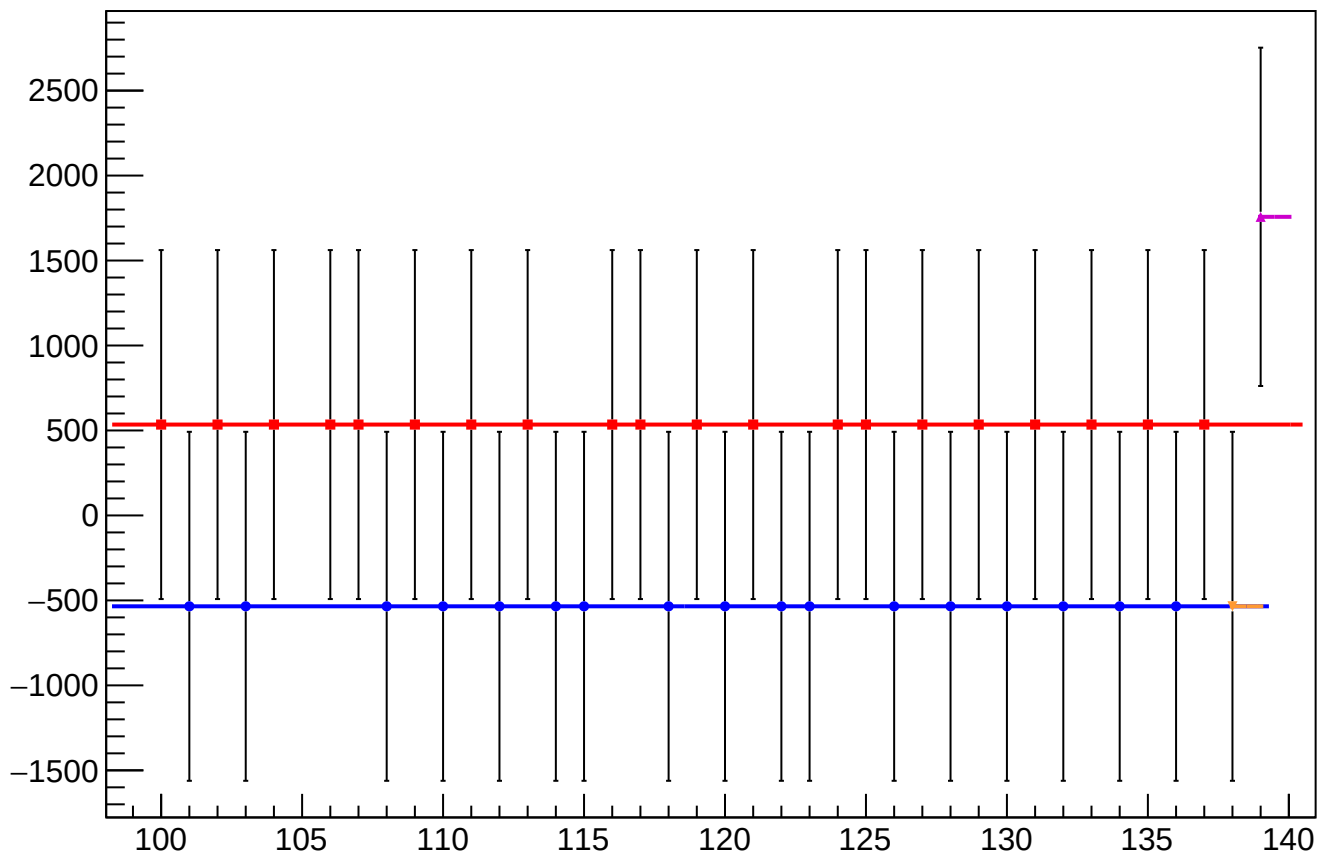
Left In: 98.001 $\pm$ 0.081 χ^2 /NDF: 0.0/0

106.125 $\pm$ 0.021 χ^2 /NDF: 0.0/17

105.885 $\pm$ 0.014 χ^2 /NDF: 9644.5/38

105.680 $\pm$ 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: -534.744+/-1026.813 χ^2/NDF : 0.0/0

Right Out: 534.744+/-229.602 χ^2/NDF : 0.0/19

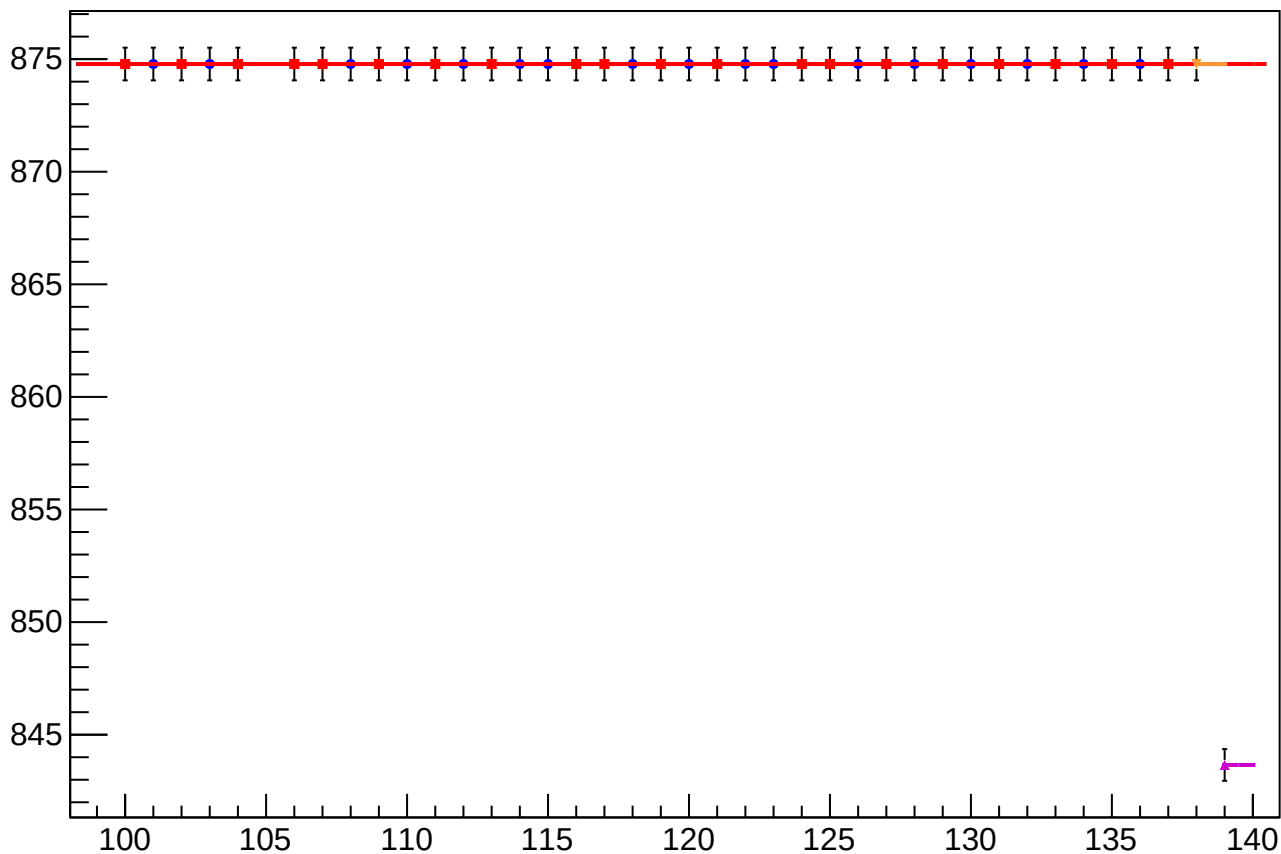
Left In: 1757.168+/-995.440 χ^2/NDF : 0.0/0

-534.744+/-242.022 χ^2/NDF : 0.0/17

75.240+/-164.287 χ^2/NDF : 13.2/38

596.494+/-223.728 χ^2/NDF : 1.4/20

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 874.783 $\pm$ 0.176 χ^2 /NDF: 0.0/16

Left Out: 874.783 $\pm$ 0.726 χ^2 /NDF: 0.0/0

Right Out: 874.783 $\pm$ 0.162 χ^2 /NDF: 0.0/19

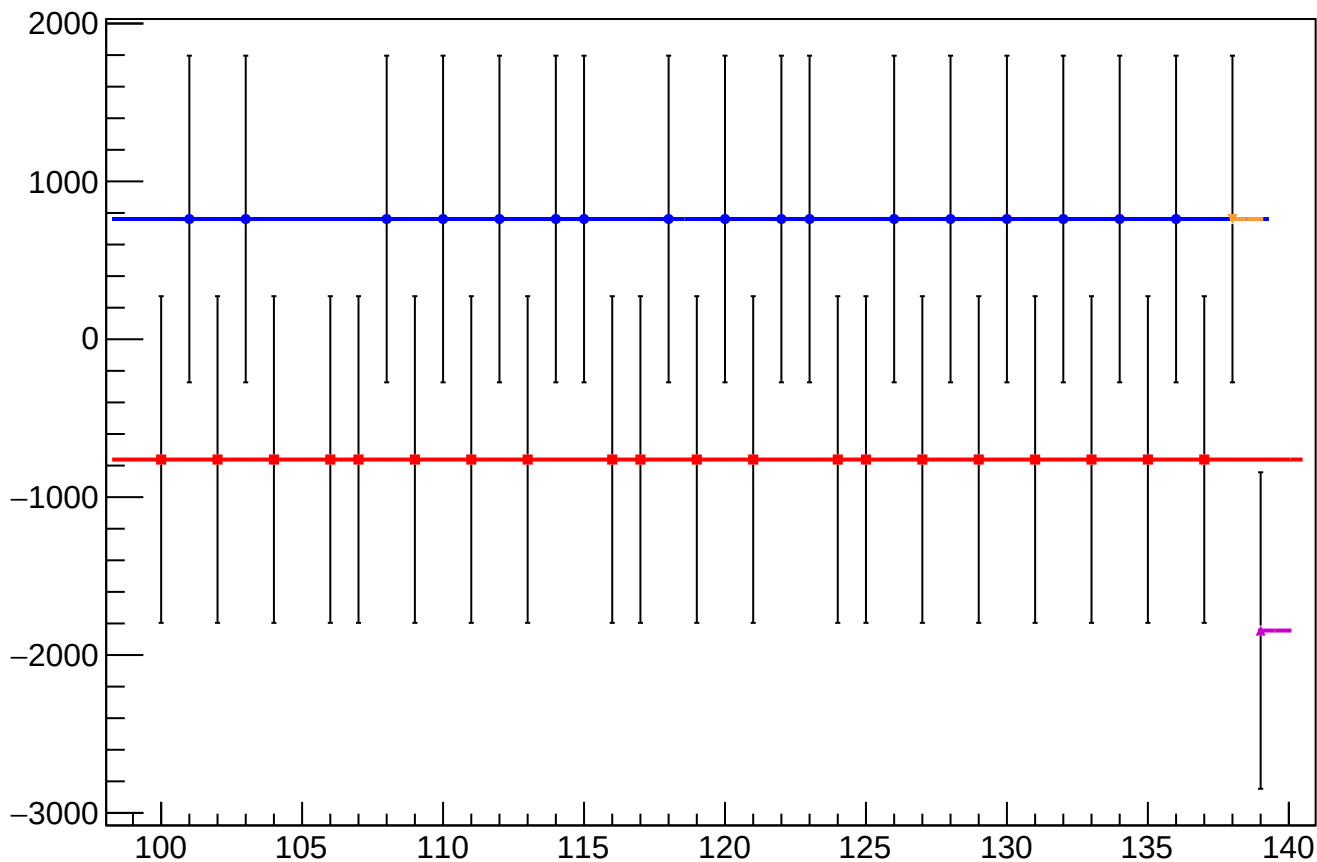
Left In: 843.657 $\pm$ 0.704 χ^2 /NDF: 0.0/0

874.783 $\pm$ 0.171 χ^2 /NDF: 0.0/17

873.935 $\pm$ 0.116 χ^2 /NDF: 1902.2/38

873.211 $\pm$ 0.158 χ^2 /NDF: 1856.7/20

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 761.735 $\pm$ 250.914 χ^2/NDF : 0.0/16

Left Out: 761.735 $\pm$ 1034.544 χ^2/NDF : 0.0/0

Right Out: -761.735 $\pm$ 231.331 χ^2/NDF : 0.0/19

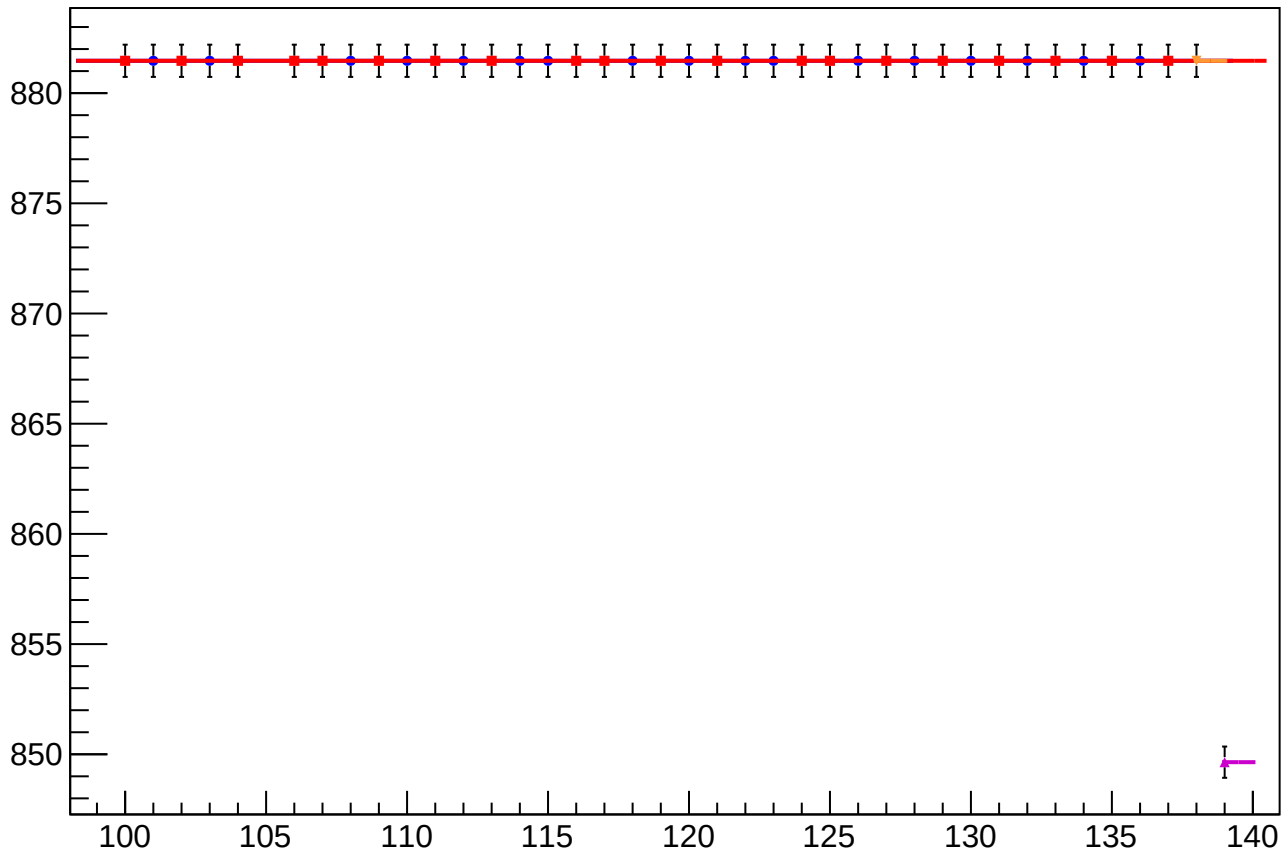
Left In: -1844.865 $\pm$ 1002.377 χ^2/NDF : 0.0/0

761.735 $\pm$ 243.844 χ^2/NDF : 0.0/17

-89.303 $\pm$ 165.521 χ^2/NDF : 23.7/38

-816.506 $\pm$ 225.406 χ^2/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: 881.467 $\pm$ 0.732 χ^2 /NDF: 0.0/0

Right Out: 881.467 $\pm$ 0.164 χ^2 /NDF: 0.0/19

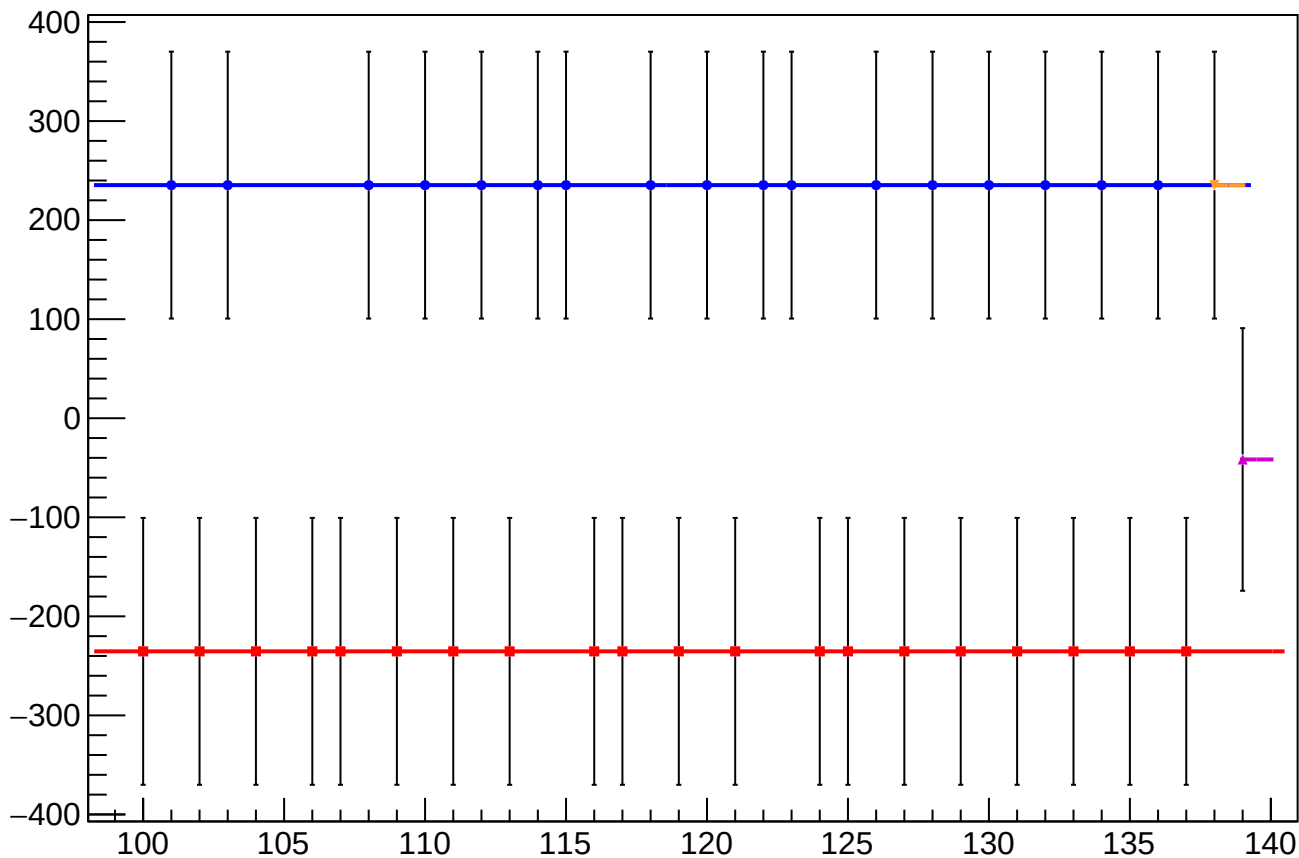
Left In: 849.642 $\pm$ 0.709 χ^2 /NDF: 0.0/0

881.467 $\pm$ 0.172 χ^2 /NDF: 0.0/17

880.600 $\pm$ 0.117 χ^2 /NDF: 1961.2/38

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: 235.346 $\pm$ 134.725 χ^2/NDF : 0.0/0

Right Out: -235.346 $\pm$ 30.125 χ^2/NDF : 0.0/19

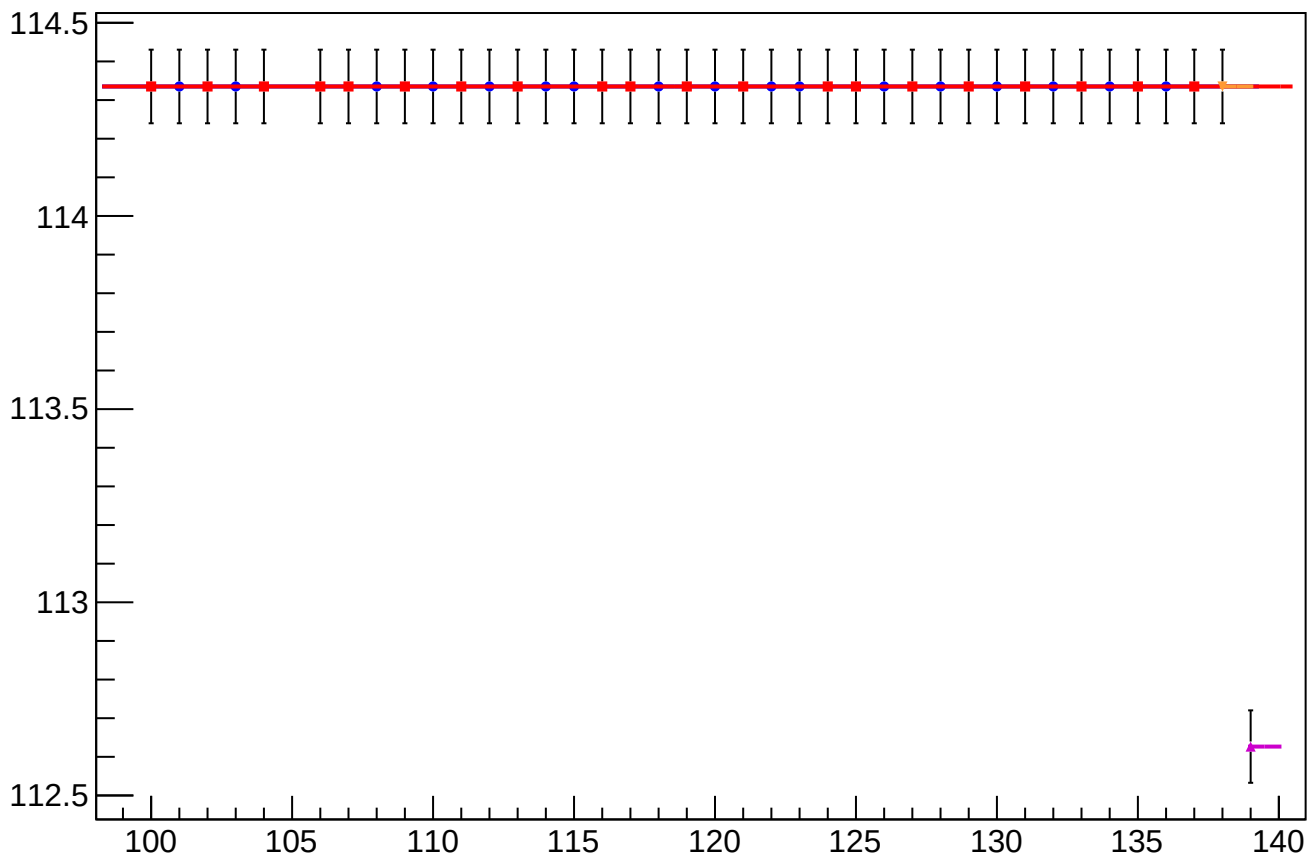
Left In: -41.628 $\pm$ 132.560 χ^2/NDF : 0.0/0

235.346 $\pm$ 31.755 χ^2/NDF : 0.0/17

-13.160 $\pm$ 21.564 χ^2/NDF : 115.7/38

-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 $\pm$ 0.023 χ^2 /NDF: 0.0/16

Left Out: 114.335 $\pm$ 0.095 χ^2 /NDF: 0.0/0

Right Out: 114.335 $\pm$ 0.021 χ^2 /NDF: 0.0/19

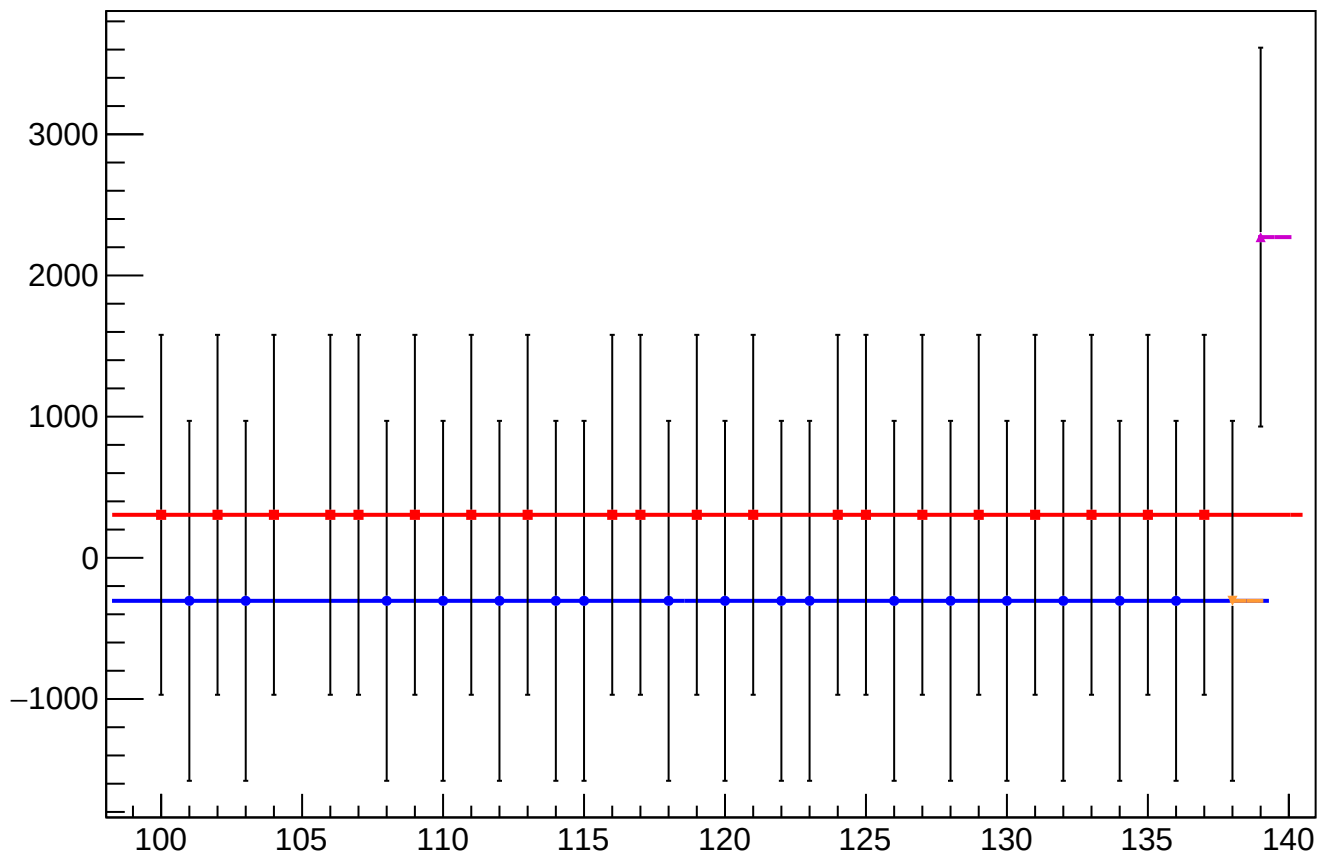
Left In: 112.627 $\pm$ 0.094 χ^2 /NDF: 0.0/0

114.335 $\pm$ 0.022 χ^2 /NDF: 0.0/17

114.290 $\pm$ 0.015 χ^2 /NDF: 323.5/38

114.251 $\pm$ 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: -304.659+/-1274.779 χ^2/NDF : 0.0/0

Right Out: 304.659+/-285.049 χ^2/NDF : 0.0/19

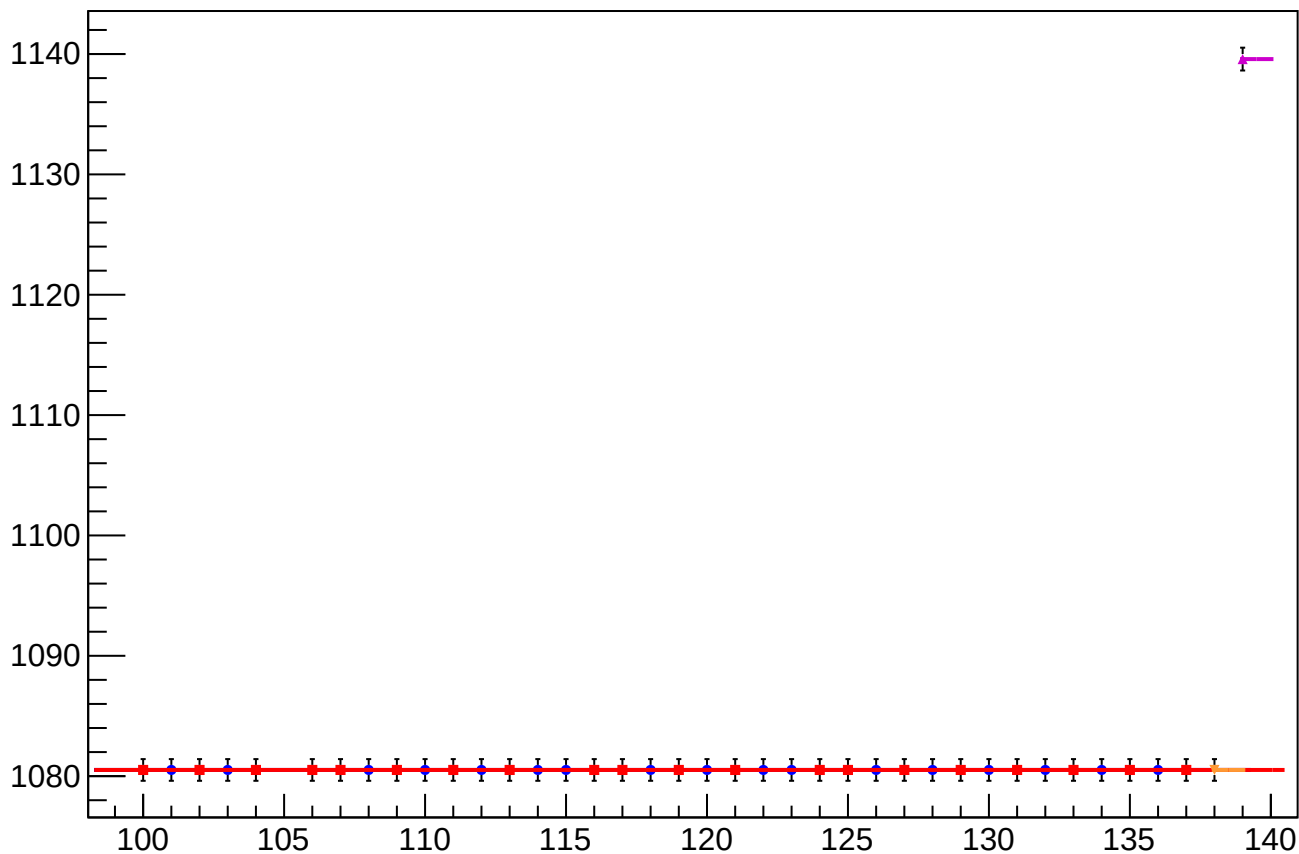
Left In: 2271.776+/-1341.828 χ^2/NDF : 0.0/0

-304.659+/-300.468 χ^2/NDF : 0.0/17

68.369+/-204.383 χ^2/NDF : 4.9/38

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: 1080.515 $\pm$ 0.901 χ^2 /NDF: 0.0/0

Right Out: 1080.515 $\pm$ 0.202 χ^2 /NDF: 0.0/19

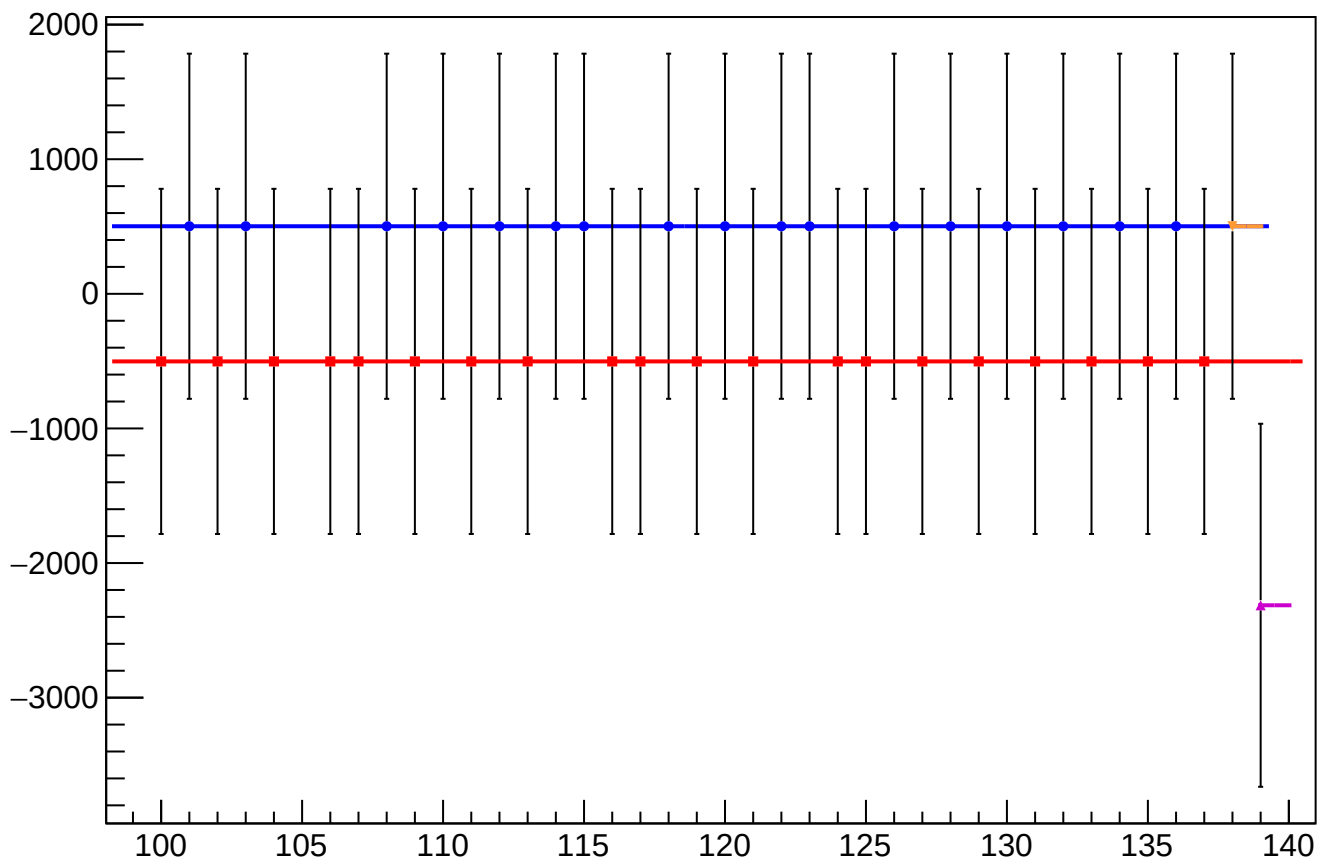
Left In: 1139.580 $\pm$ 0.949 χ^2 /NDF: 0.0/0

1080.515 $\pm$ 0.212 χ^2 /NDF: 0.0/17

1081.885 $\pm$ 0.145 χ^2 /NDF: 3785.3/38

1083.065 $\pm$ 0.197 χ^2 /NDF: 3707.9/20

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 502.043 $\pm$ 310.943 χ^2 /NDF: 0.0/16

Left Out: 502.043 $\pm$ 1282.050 χ^2 /NDF: 0.0/0

Right Out: -502.043 $\pm$ 286.675 χ^2 /NDF: 0.0/19

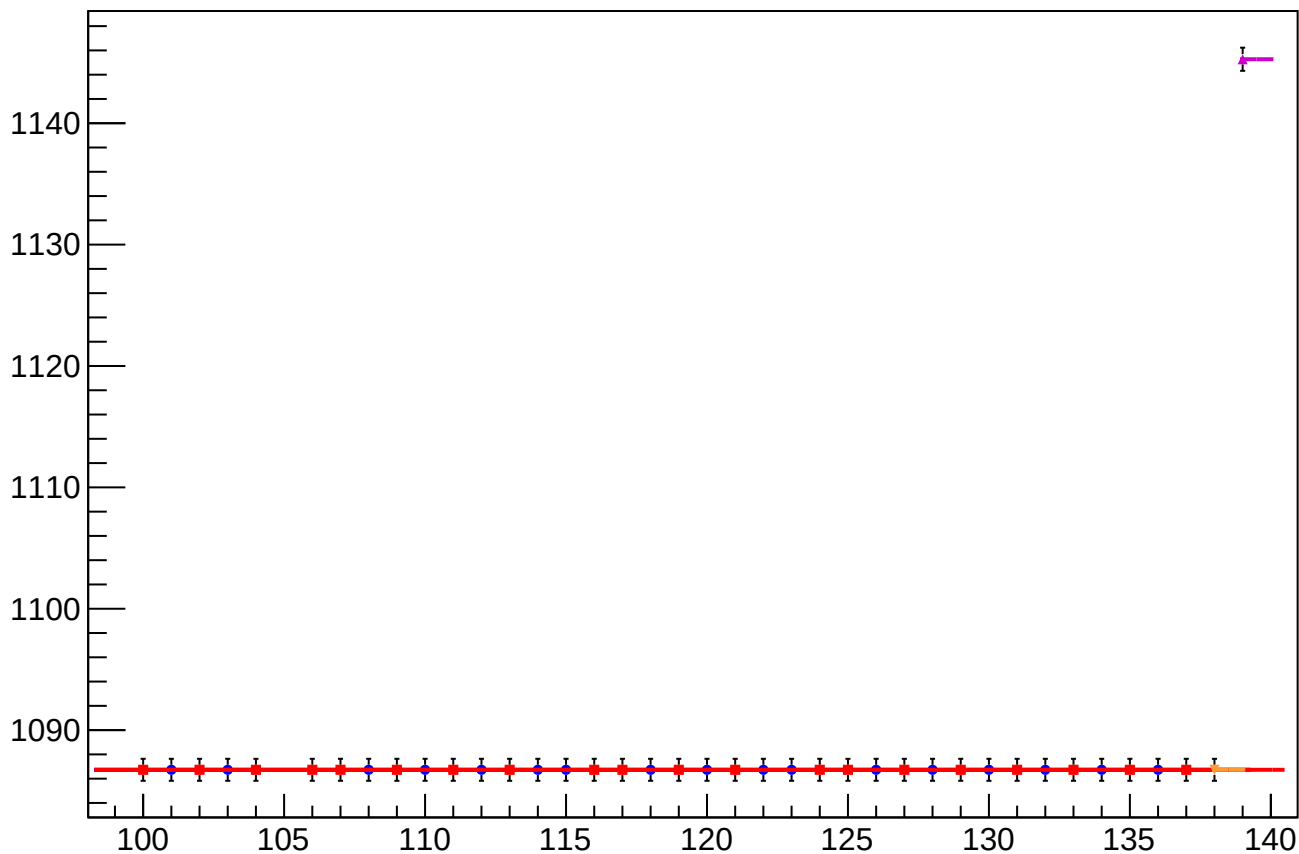
Left In: -2313.751 $\pm$ 1348.492 χ^2 /NDF: 0.0/0

502.043 $\pm$ 302.182 χ^2 /NDF: 0.0/17

-79.567 $\pm$ 205.546 χ^2 /NDF: 8.6/38

-580.381 $\pm$ 280.409 χ^2 /NDF: 1.7/20

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.731 $\pm$ 0.220 χ^2 /NDF: 0.0/16

Left Out: 1086.731 $\pm$ 0.907 χ^2 /NDF: 0.0/0

Right Out: 1086.731 $\pm$ 0.203 χ^2 /NDF: 0.0/19

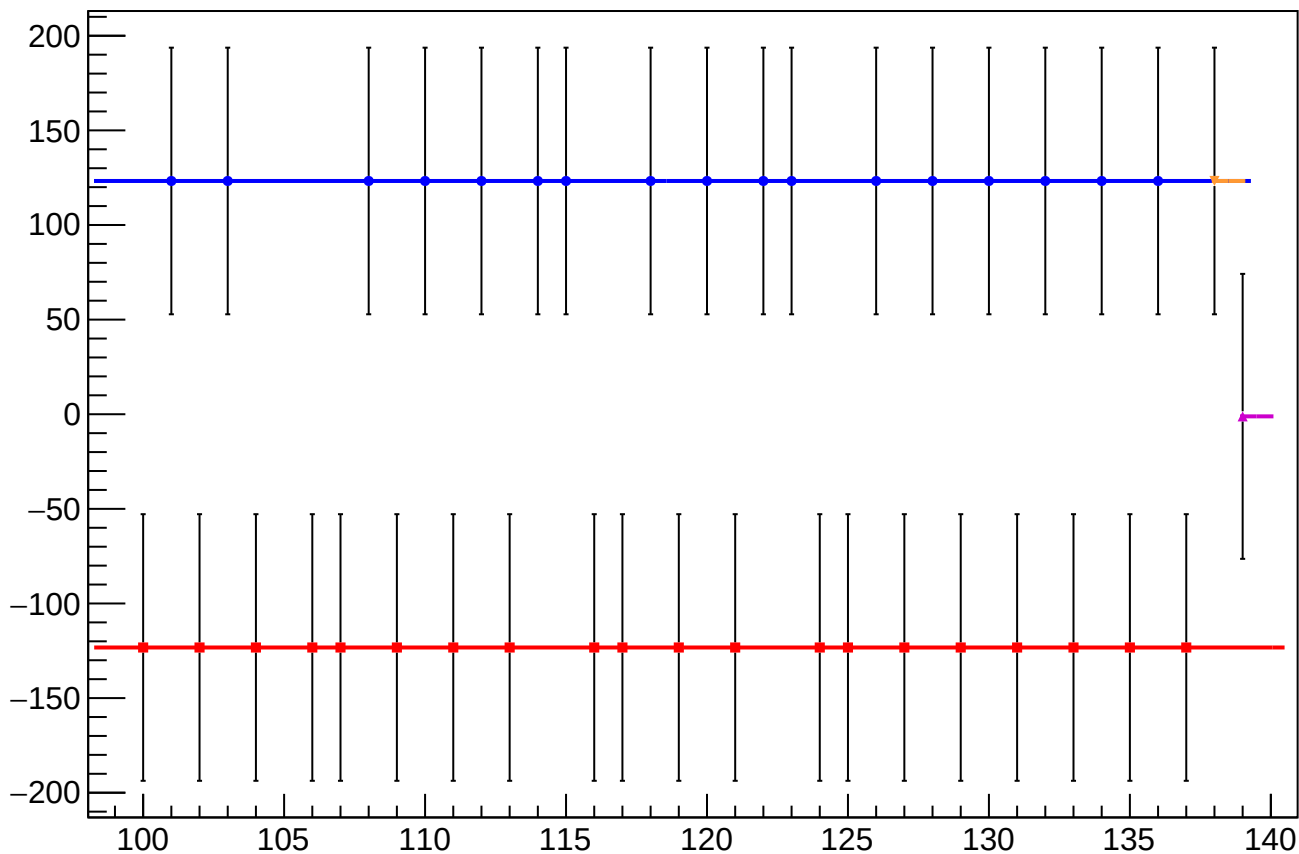
Left In: 1145.272 $\pm$ 0.954 χ^2 /NDF: 0.0/0

1086.731 $\pm$ 0.214 χ^2 /NDF: 0.0/17

1088.091 $\pm$ 0.145 χ^2 /NDF: 3681.7/38

1089.262 $\pm$ 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: 123.260 $\pm$ 70.442 χ^2 /NDF: 0.0/0

Right Out: -123.260 $\pm$ 15.751 χ^2 /NDF: 0.0/19

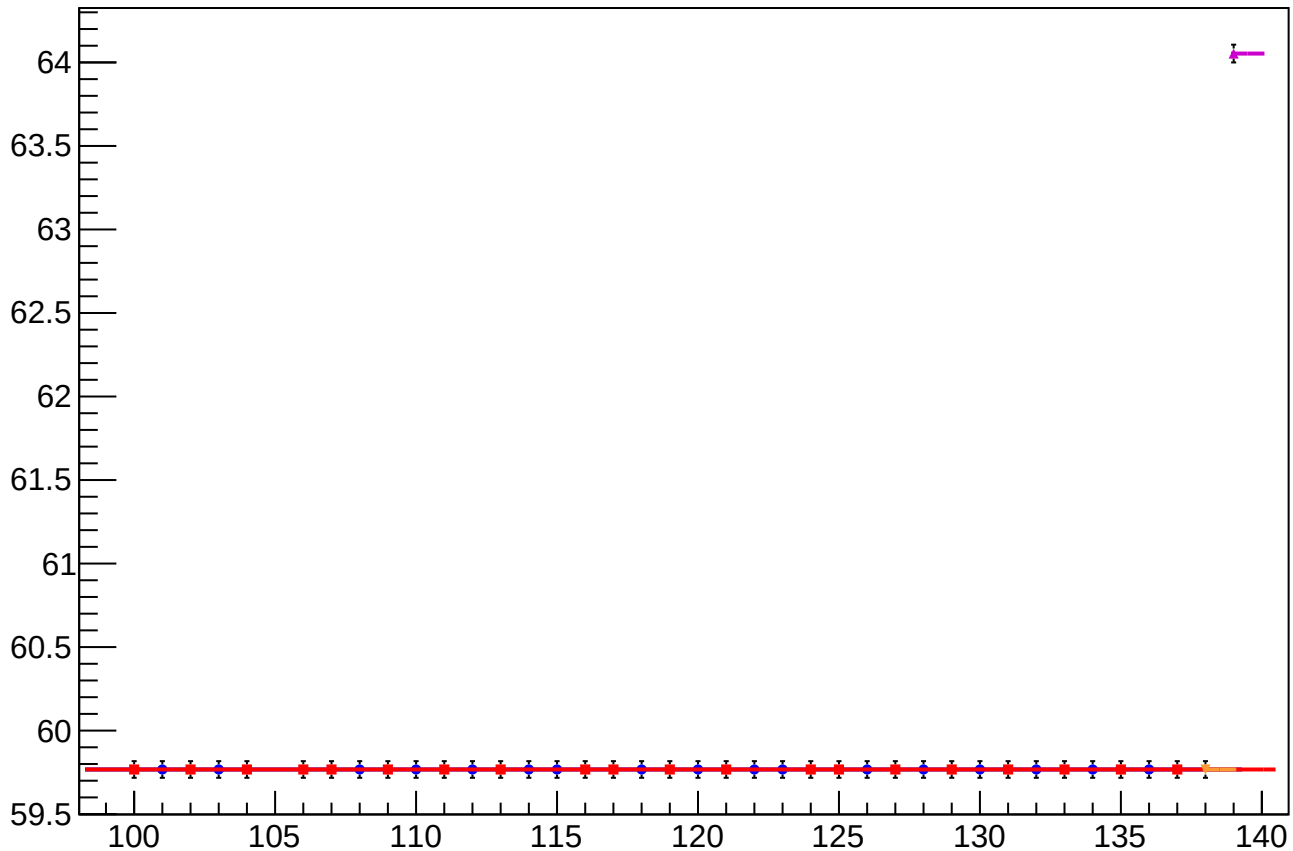
Left In: -1.125 $\pm$ 75.294 χ^2 /NDF: 0.0/0

123.260 $\pm$ 16.603 χ^2 /NDF: 0.0/17

-6.367 $\pm$ 11.298 χ^2 /NDF: 116.0/38

-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: 59.767 $\pm$ 0.050 χ^2 /NDF: 0.0/0

Right Out: 59.767 $\pm$ 0.011 χ^2 /NDF: 0.0/19

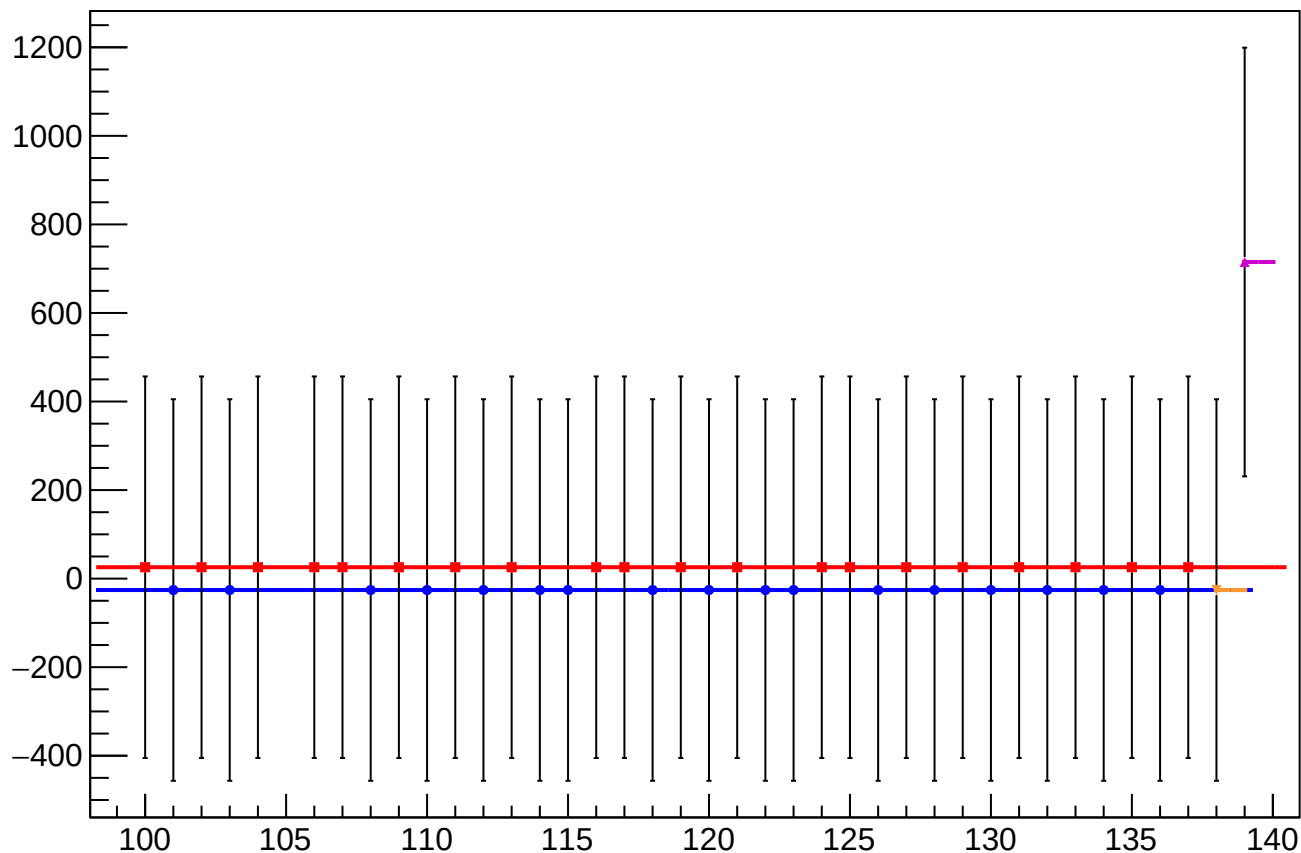
Left In: 64.053 $\pm$ 0.053 χ^2 /NDF: 0.0/0

59.767 $\pm$ 0.012 χ^2 /NDF: 0.0/17

59.864 $\pm$ 0.008 χ^2 /NDF: 6334.1/38

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 $\pm$ 104.501 χ^2 /NDF: 0.0/16

Left Out: -25.761 $\pm$ 430.868 χ^2 /NDF: 0.0/0

Right Out: 25.761 $\pm$ 96.345 χ^2 /NDF: 0.0/19

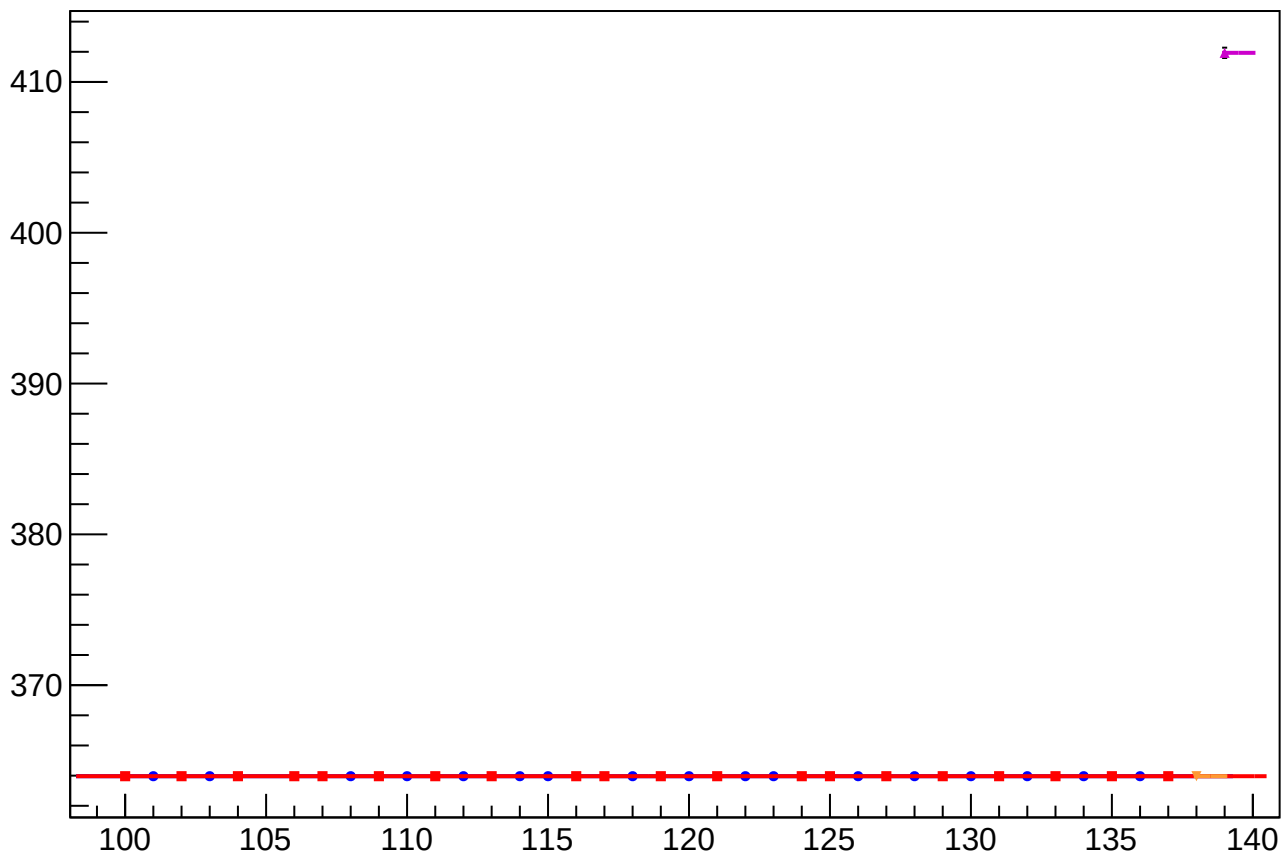
Left In: 715.089 $\pm$ 484.097 χ^2 /NDF: 0.0/0

-25.761 $\pm$ 101.556 χ^2 /NDF: 0.0/17

15.931 $\pm$ 69.179 χ^2 /NDF: 2.3/38

52.024 $\pm$ 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: 363.962 $\pm$ 0.305 χ^2 /NDF: 0.0/0

Right Out: 363.962 $\pm$ 0.068 χ^2 /NDF: 0.0/19

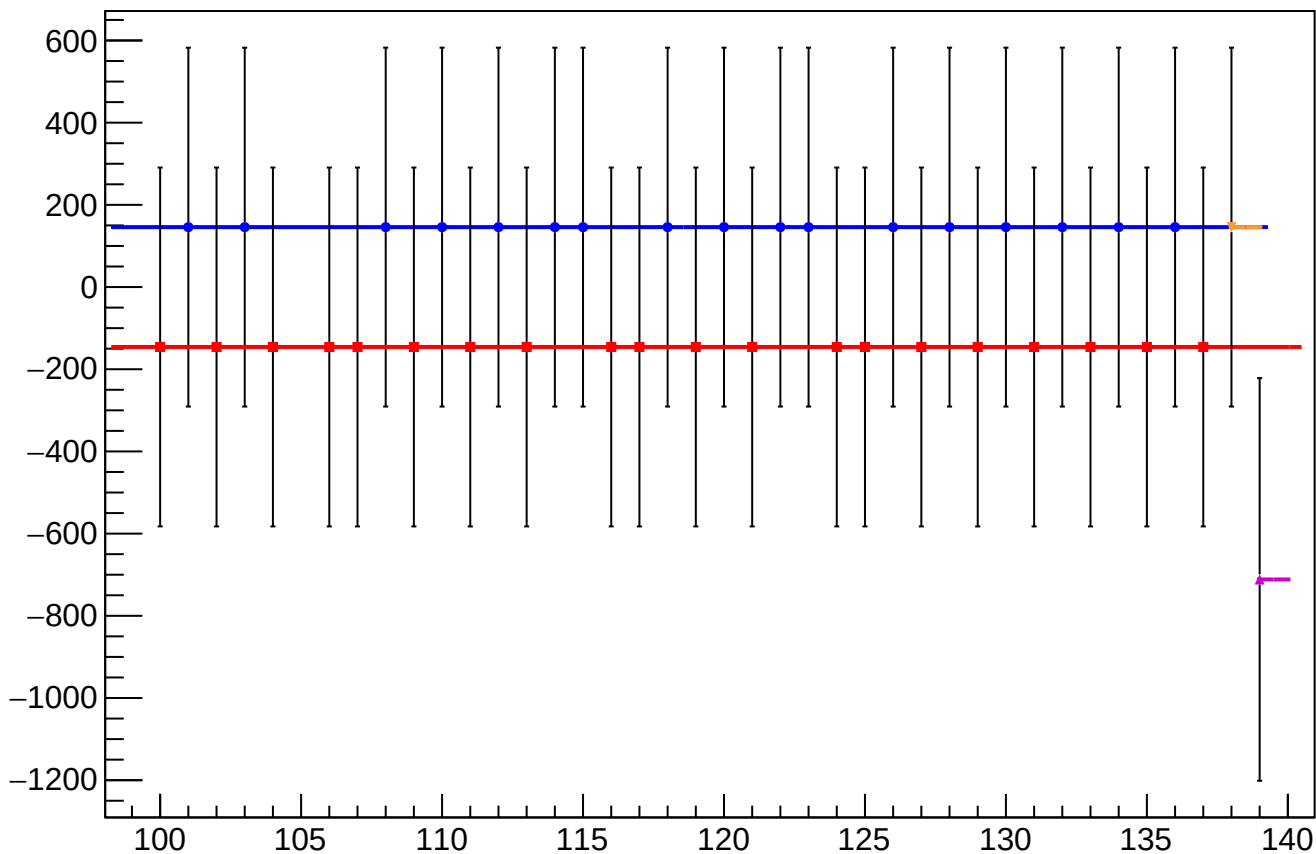
Left In: 411.932 $\pm$ 0.342 χ^2 /NDF: 0.0/0

363.962 $\pm$ 0.072 χ^2 /NDF: 0.0/17

364.942 $\pm$ 0.049 χ^2 /NDF: 19236.5/38

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: 145.833 $\pm$ 436.665 χ^2 /NDF:0.0/0

Right Out: -145.833 $\pm$ 97.641 χ^2 /NDF: 0.0/19

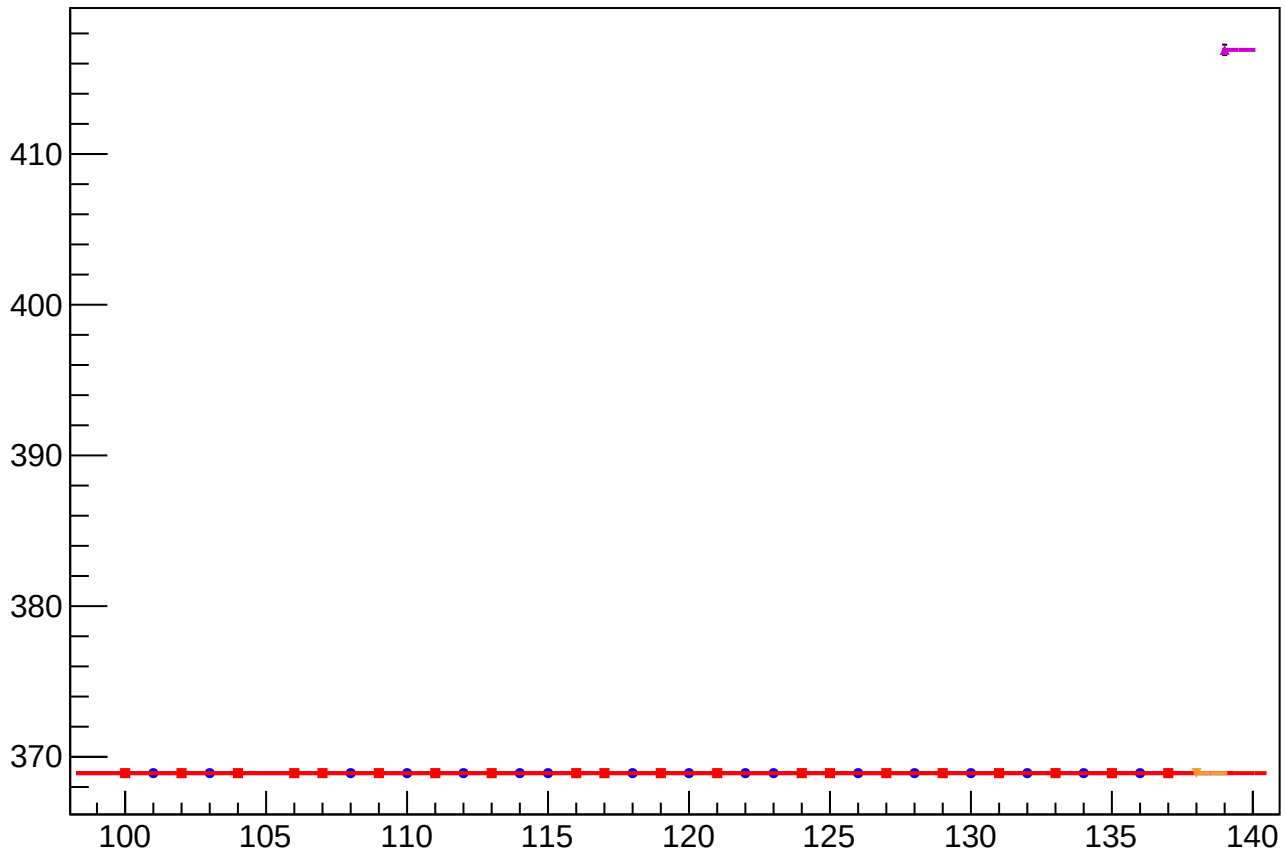
Left In: -711.531 $\pm$ 489.944 χ^2 /NDF:0.0/0

145.833 $\pm$ 102.923 χ^2 /NDF: 0.0/17

-22.087 $\pm$ 70.107 χ^2 /NDF: 6.2/38

-167.442 $\pm$ 95.758 χ^2 /NDF: 1.3/20

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 368.918 $\pm$ 0.075 χ^2 /NDF: 0.0/16

Left Out: 368.918 $\pm$ 0.309 χ^2 /NDF: 0.0/0

Right Out: 368.918 $\pm$ 0.069 χ^2 /NDF: 0.0/19

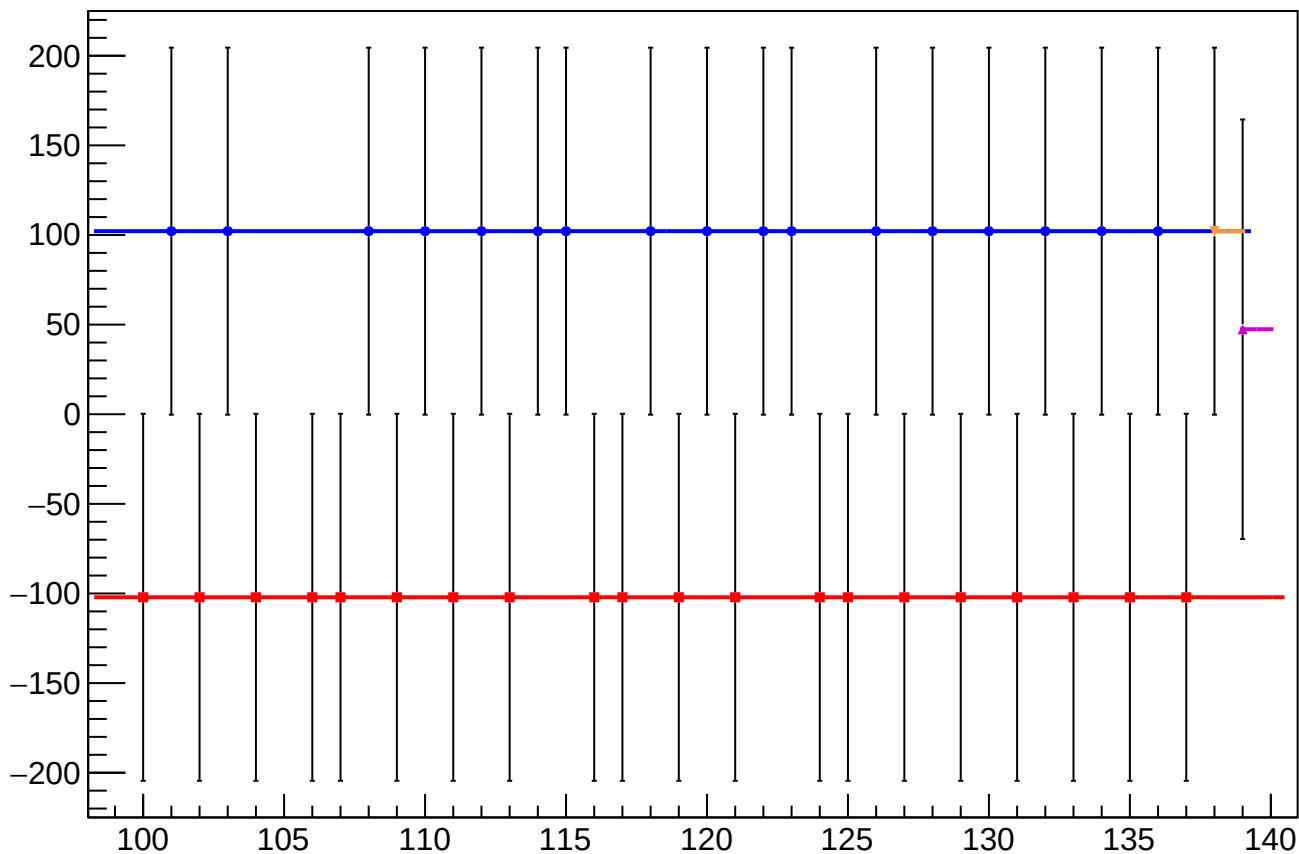
Left In: 416.909 $\pm$ 0.346 χ^2 /NDF: 0.0/0

368.918 $\pm$ 0.073 χ^2 /NDF: 0.0/17

369.901 $\pm$ 0.050 χ^2 /NDF: 18796.2/38

370.751 $\pm$ 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: 102.129 $\pm$ 102.379 χ^2 /NDF: 0.0/0

Right Out: -102.129 $\pm$ 22.893 χ^2 /NDF: 0.0/19

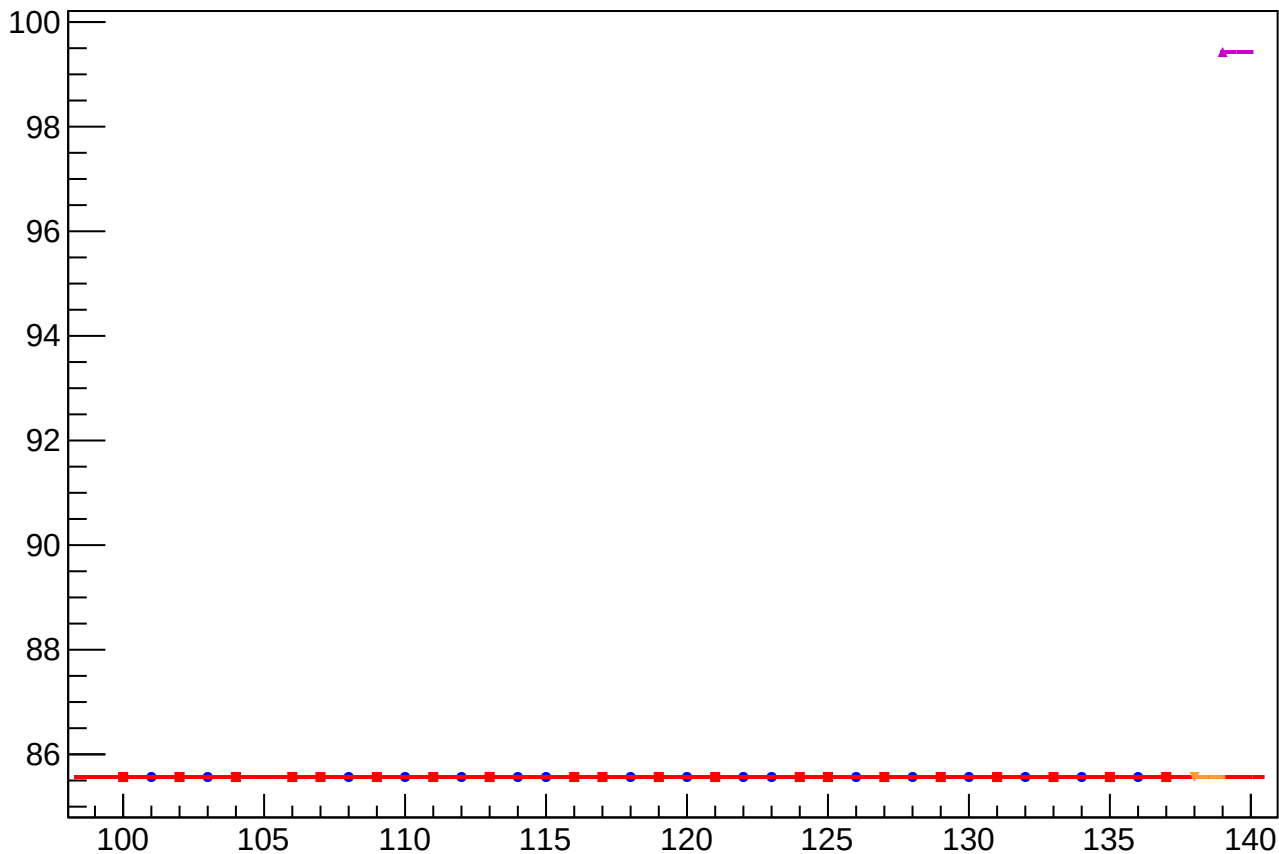
Left In: 47.416 $\pm$ 117.019 χ^2 /NDF: 0.0/0

102.129 $\pm$ 24.131 χ^2 /NDF: 0.0/17

-4.333 $\pm$ 16.443 χ^2 /NDF: 37.9/38

-96.617 $\pm$ 22.467 χ^2 /NDF: 1.6/20

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 85.567 $\pm$ 0.018 χ^2 /NDF: 0.0/16

Left Out: 85.567 $\pm$ 0.072 χ^2 /NDF: 0.0/0

Right Out: 85.567 $\pm$ 0.016 χ^2 /NDF: 0.0/19

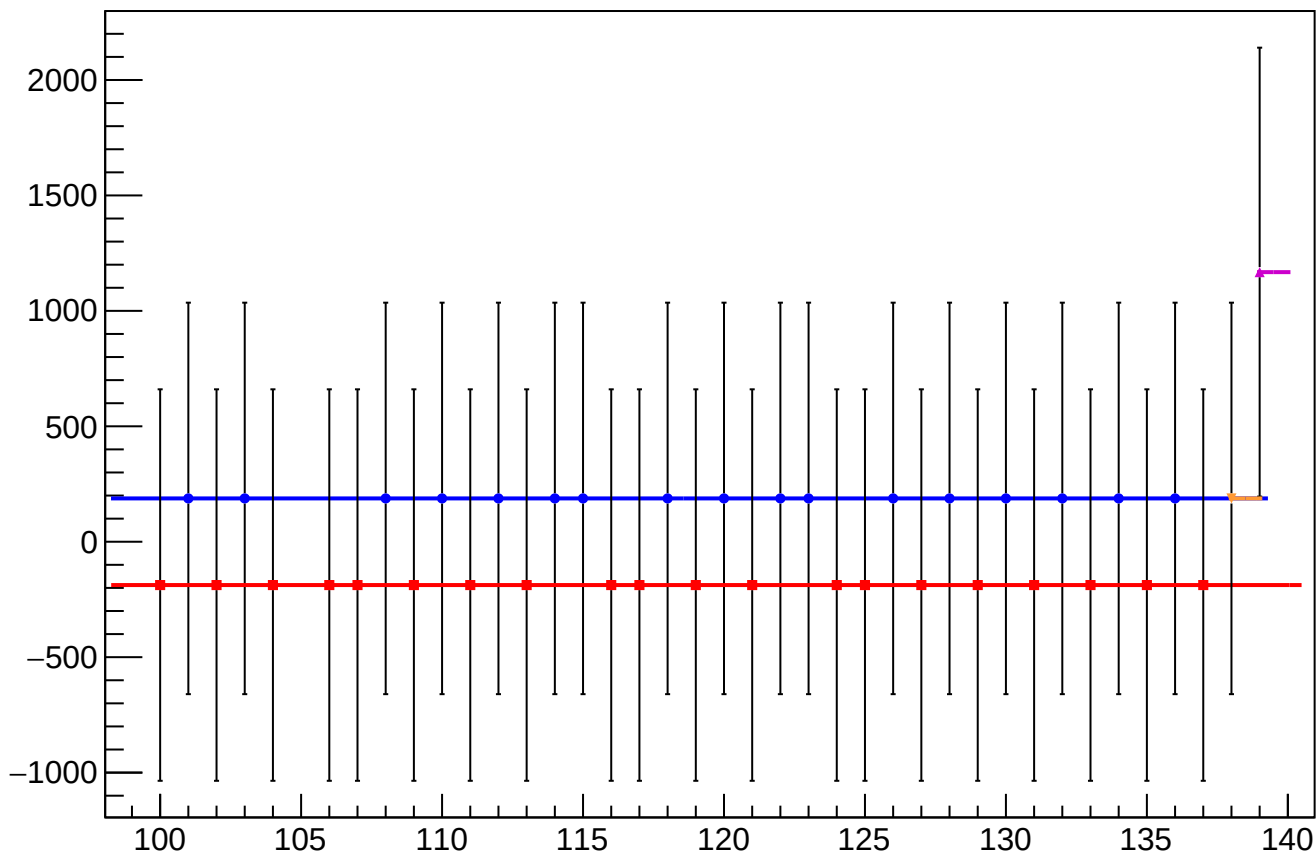
Left In: 99.427 $\pm$ 0.083 χ^2 /NDF: 0.0/0

85.567 $\pm$ 0.017 χ^2 /NDF: 0.0/17

85.841 $\pm$ 0.012 χ^2 /NDF: 27505.5/38

86.078 $\pm$ 0.016 χ^2 /NDF: 27025.3/20

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: 187.636 $\pm$ 847.838 χ^2 /NDF:0.0/0

Right Out: -187.636 $\pm$ 189.582 χ^2 /NDF: 0.0/19

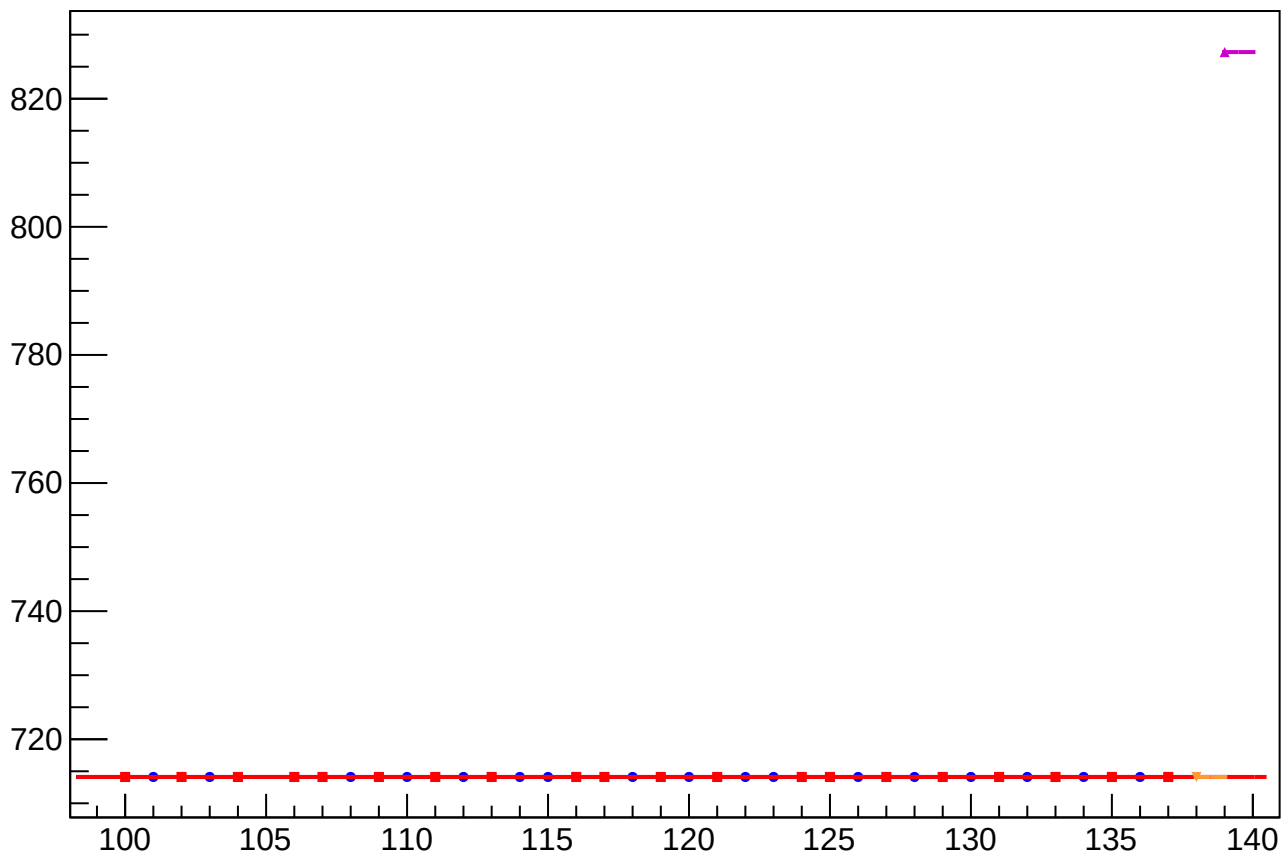
Left In: 1167.768 $\pm$ 972.236 χ^2 /NDF:0.0/0

187.636 $\pm$ 199.837 χ^2 /NDF: 0.0/17

13.229 $\pm$ 136.182 χ^2 /NDF: 3.3/38

-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: 714.113 $\pm$ 0.600 χ^2 /NDF: 0.0/0

Right Out: 714.113 $\pm$ 0.134 χ^2 /NDF: 0.0/19

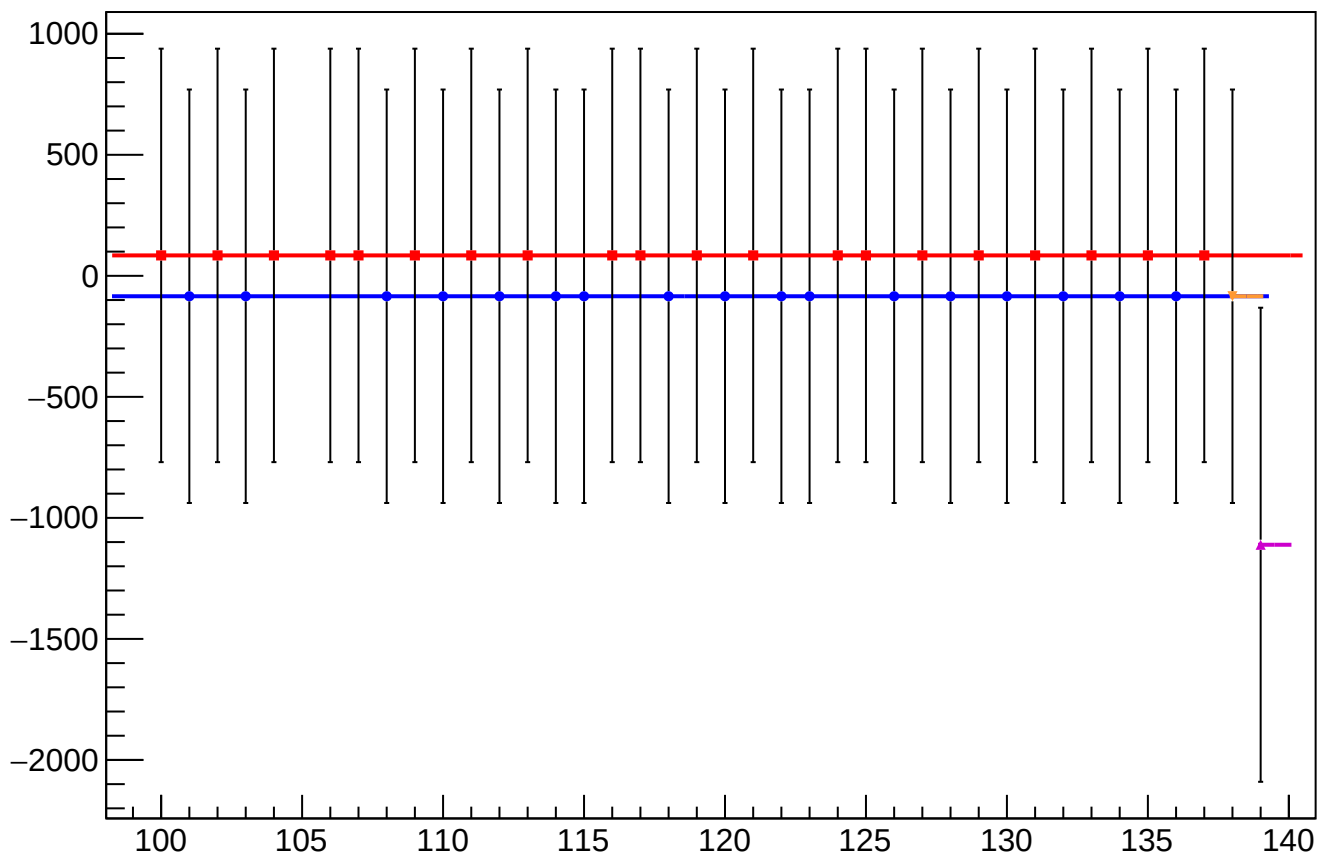
Left In: 827.285 $\pm$ 0.687 χ^2 /NDF: 0.0/0

714.113 $\pm$ 0.141 χ^2 /NDF: 0.0/17

716.333 $\pm$ 0.096 χ^2 /NDF: 26568.4/38

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: -84.386 ± 854.095 χ^2/NDF : 0.0/0

Right Out: 84.386 ± 190.981 χ^2/NDF : 0.0/19

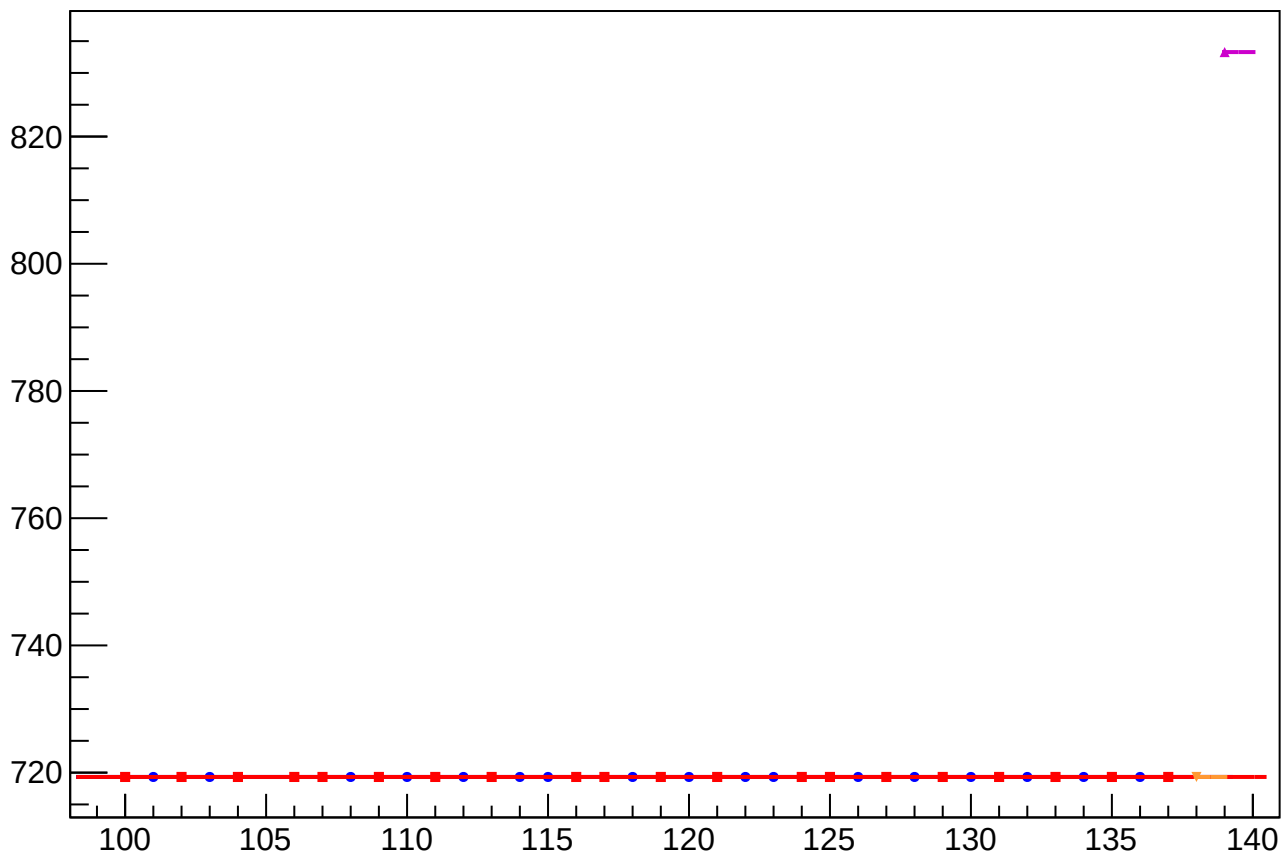
Left In: -1111.054 ± 979.291 χ^2/NDF : 0.0/0

-84.386 ± 201.312 χ^2/NDF : 0.0/17

-17.450 ± 137.186 χ^2/NDF : 1.6/38

40.586 ± 187.450 χ^2/NDF : 1.4/20

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 719.321+/-0.146 χ^2/NDF : 0.0/16

Left Out: 719.321+/-0.604 χ^2/NDF : 0.0/0

Right Out: 719.321+/-0.135 χ^2/NDF : 0.0/19

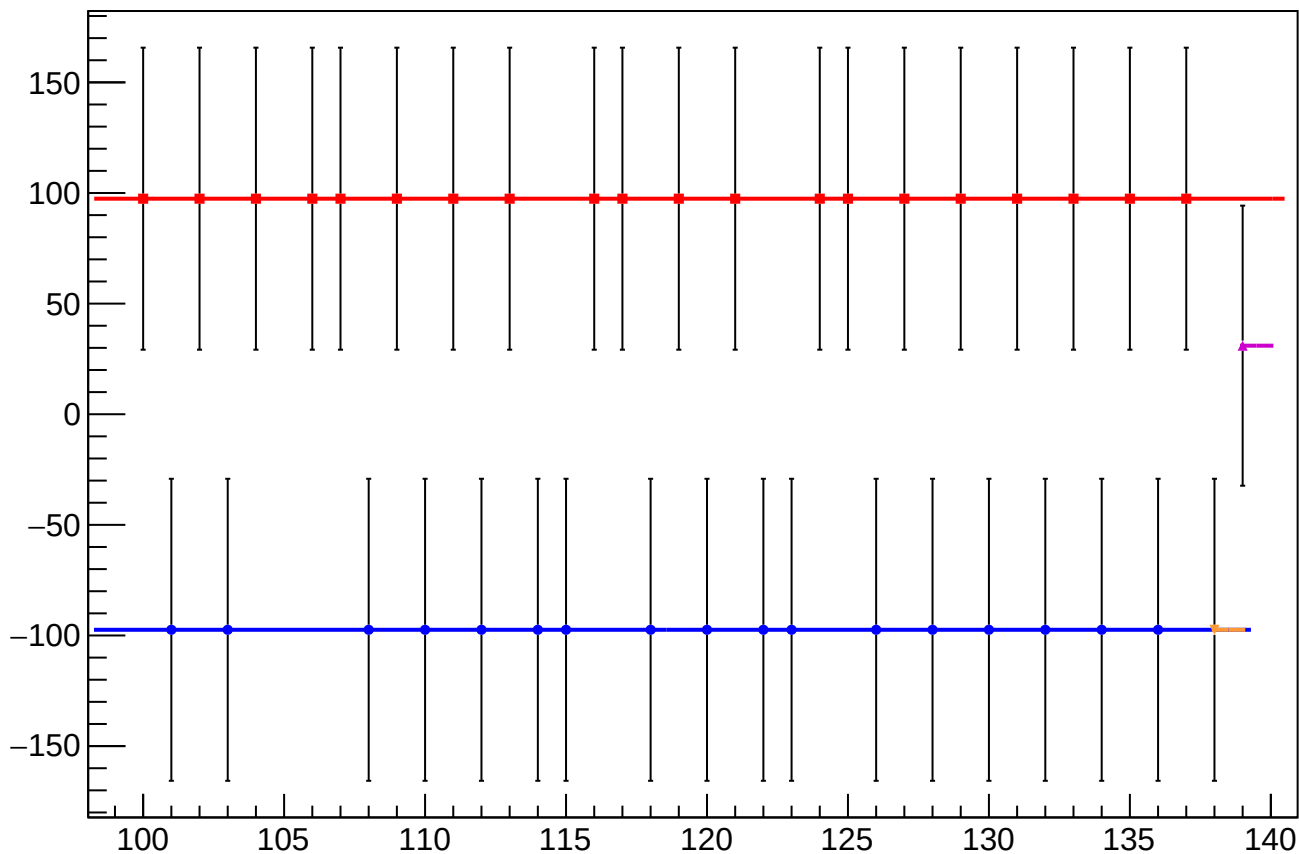
Left In: 833.280+/-0.692 χ^2/NDF : 0.0/0

719.321+/-0.142 χ^2/NDF : 0.0/17

721.557+/-0.097 χ^2/NDF : 26552.1/38

723.496+/-0.133 χ^2/NDF : 26091.3/20

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -97.426 ± 16.555 χ^2/NDF : 0.0/16

Left Out: -97.426 ± 68.257 χ^2/NDF : 0.0/0

Right Out: 97.426 ± 15.263 χ^2/NDF : 0.0/19

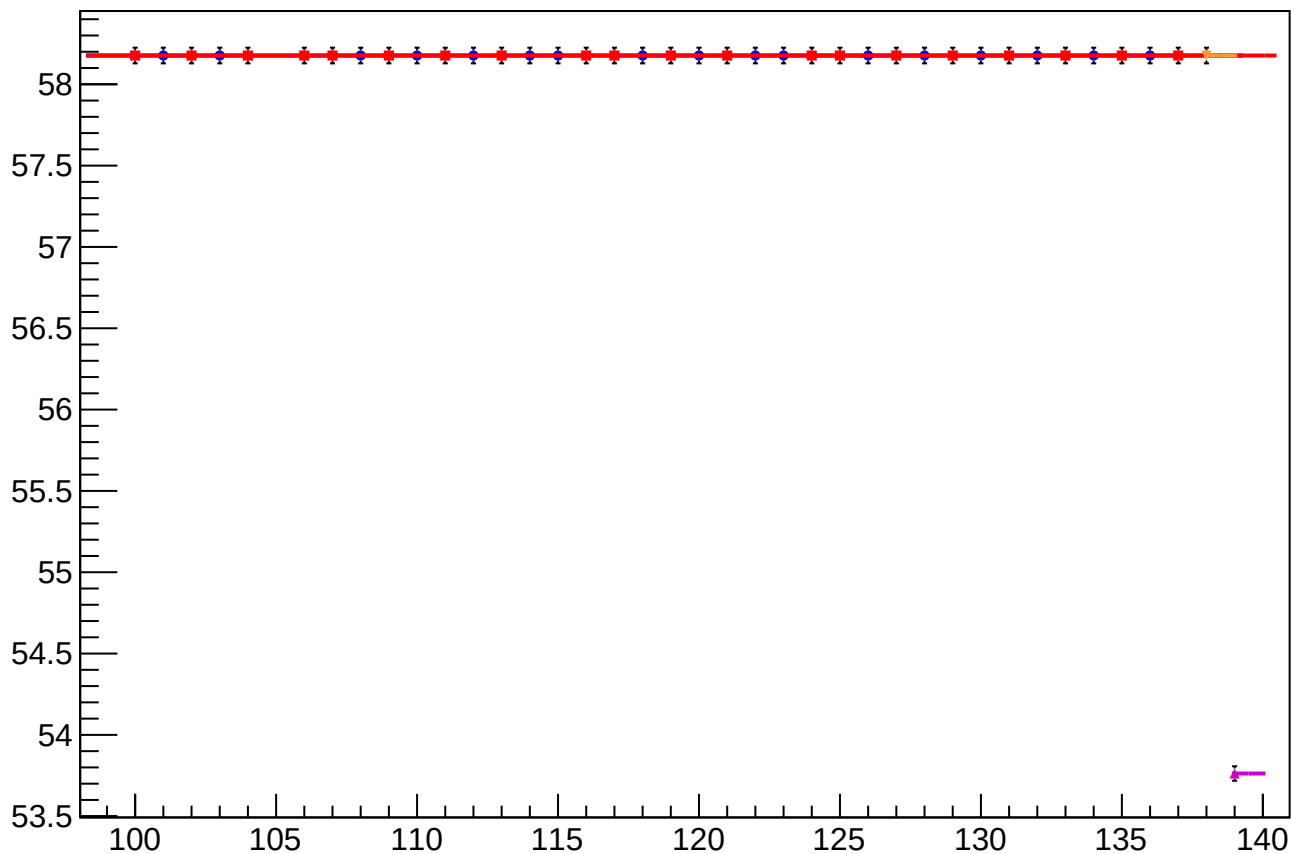
Left In: 30.985 ± 63.293 χ^2/NDF : 0.0/0

-97.426 ± 16.088 χ^2/NDF : 0.0/17

5.896 ± 10.907 χ^2/NDF : 77.4/38

93.775 ± 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: 58.177 $\pm$ 0.048 χ^2 /NDF: 0.0/0

Right Out: 58.177 $\pm$ 0.011 χ^2 /NDF: 0.0/19

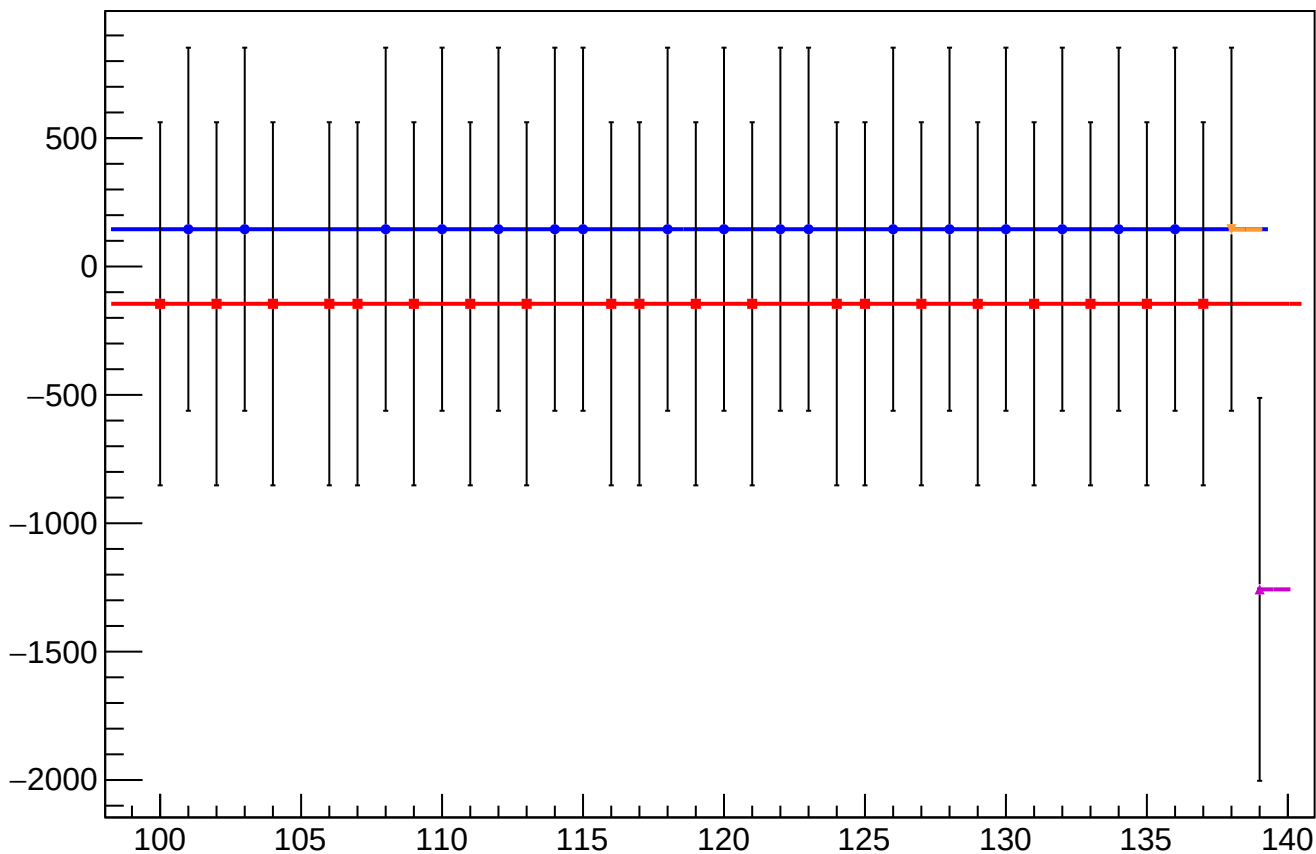
Left In: 53.762 $\pm$ 0.045 χ^2 /NDF: 0.0/0

58.177 $\pm$ 0.011 χ^2 /NDF: 0.0/17

58.046 $\pm$ 0.008 χ^2 /NDF: 9440.0/38

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: 145.219 $\pm$ 707.127 χ^2 /NDF:0.0/0

Right Out: -145.219 $\pm$ 158.118 χ^2 /NDF: 0.0/19

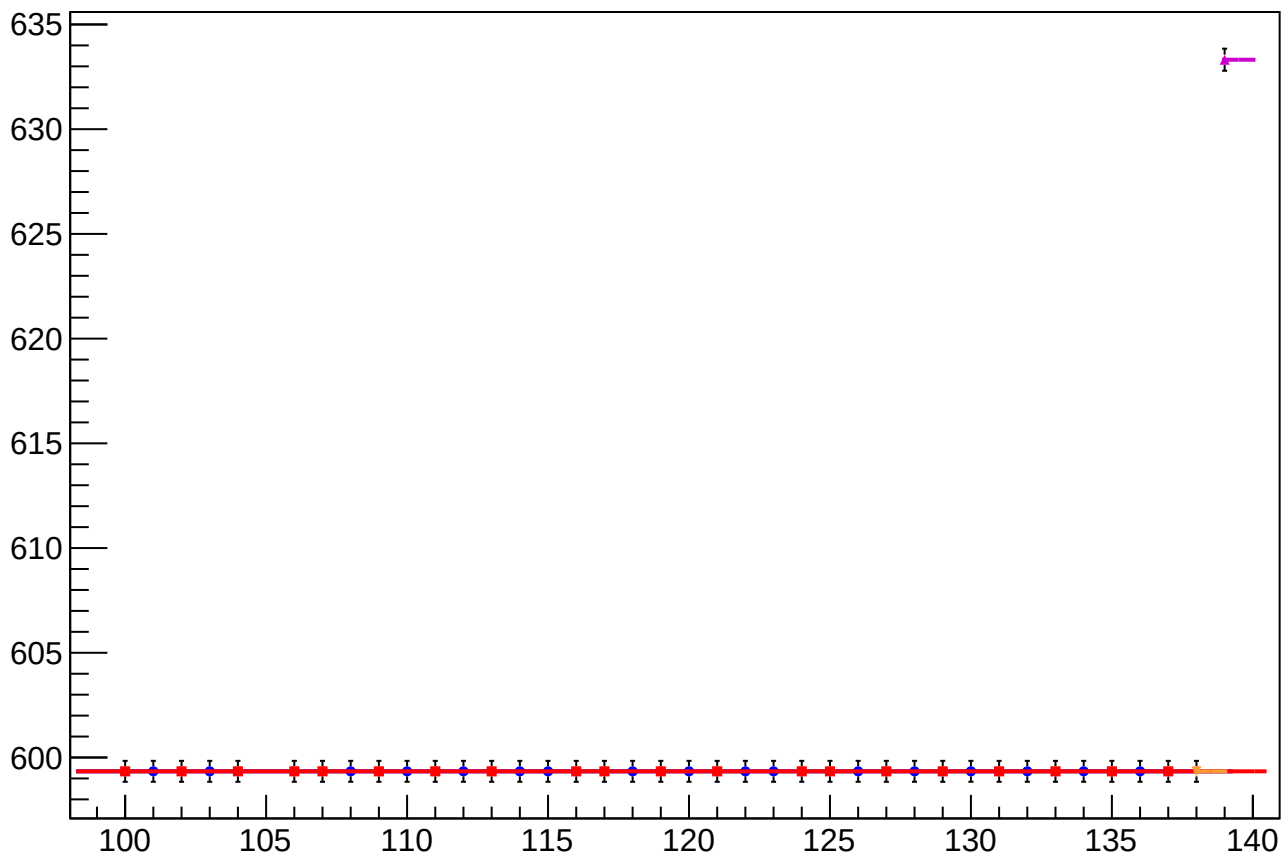
Left In: -1257.431 $\pm$ 745.634 χ^2 /NDF:0.0/0

145.219 $\pm$ 166.671 χ^2 /NDF: 0.0/17

-36.539 $\pm$ 113.377 χ^2 /NDF: 4.3/38

-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: 599.340 $\pm$ 0.500 χ^2 /NDF: 0.0/0

Right Out: 599.340 $\pm$ 0.112 χ^2 /NDF: 0.0/19

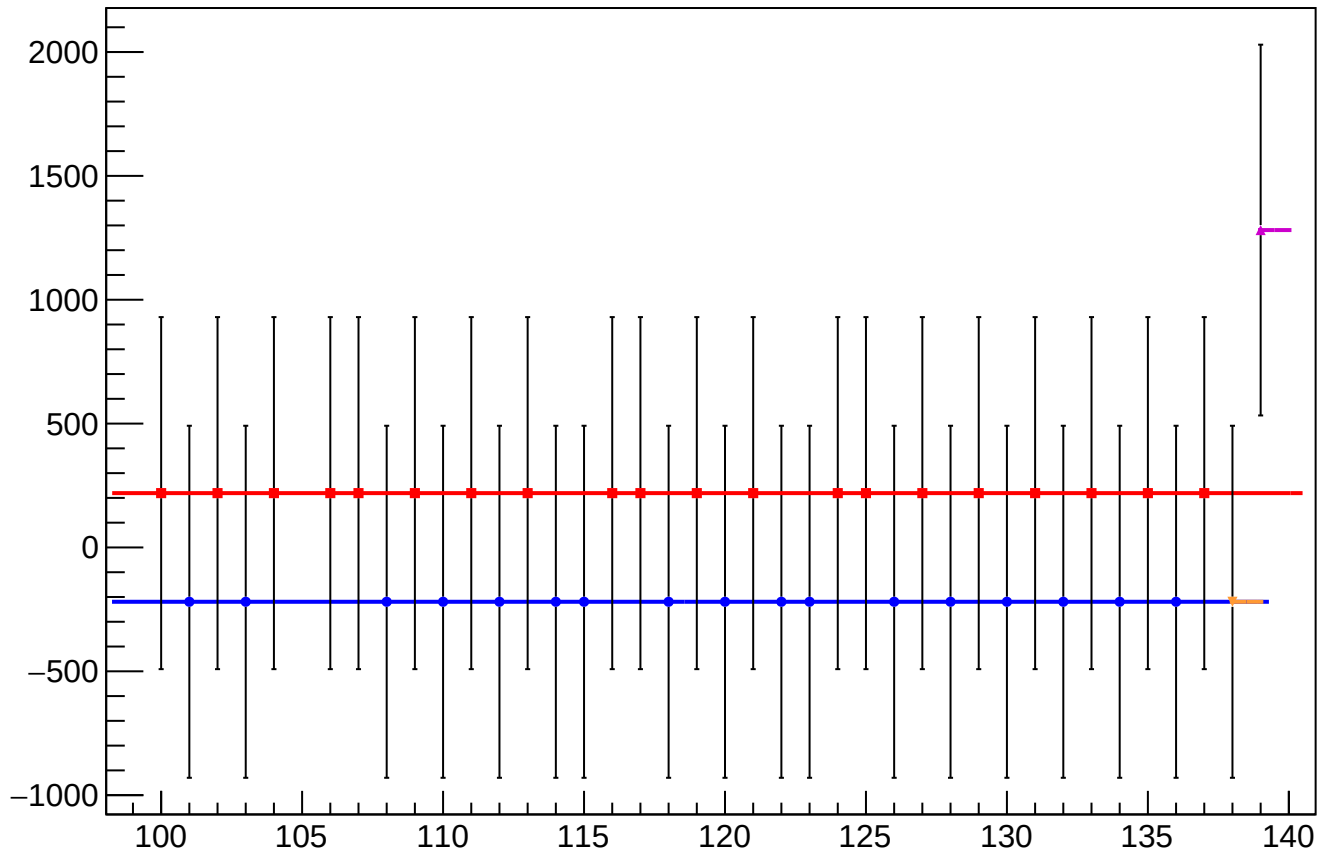
Left In: 633.317 $\pm$ 0.527 χ^2 /NDF: 0.0/0

599.340 $\pm$ 0.118 χ^2 /NDF: 0.0/17

600.125 $\pm$ 0.080 χ^2 /NDF: 4056.9/38

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: -219.315+/-710.592 χ^2/NDF : 0.0/0

Right Out: 219.315+/-158.893 χ^2/NDF : 0.0/19

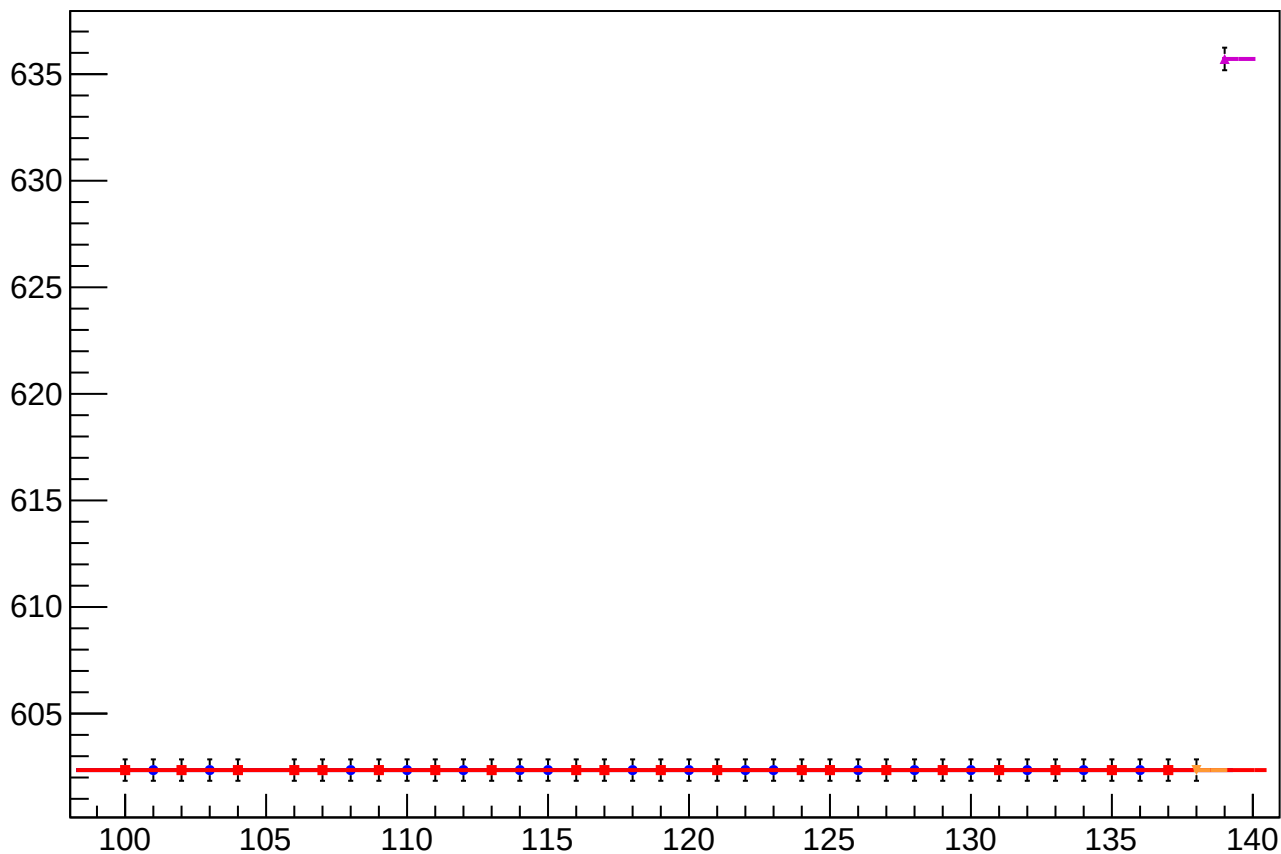
Left In: 1281.269+/-748.427 χ^2/NDF : 0.0/0

-219.315+/-167.488 χ^2/NDF : 0.0/17

40.966+/-113.930 χ^2/NDF : 6.4/38

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: 602.349 $\pm$ 0.502 χ^2 /NDF: 0.0/0

Right Out: 602.349 $\pm$ 0.112 χ^2 /NDF: 0.0/19

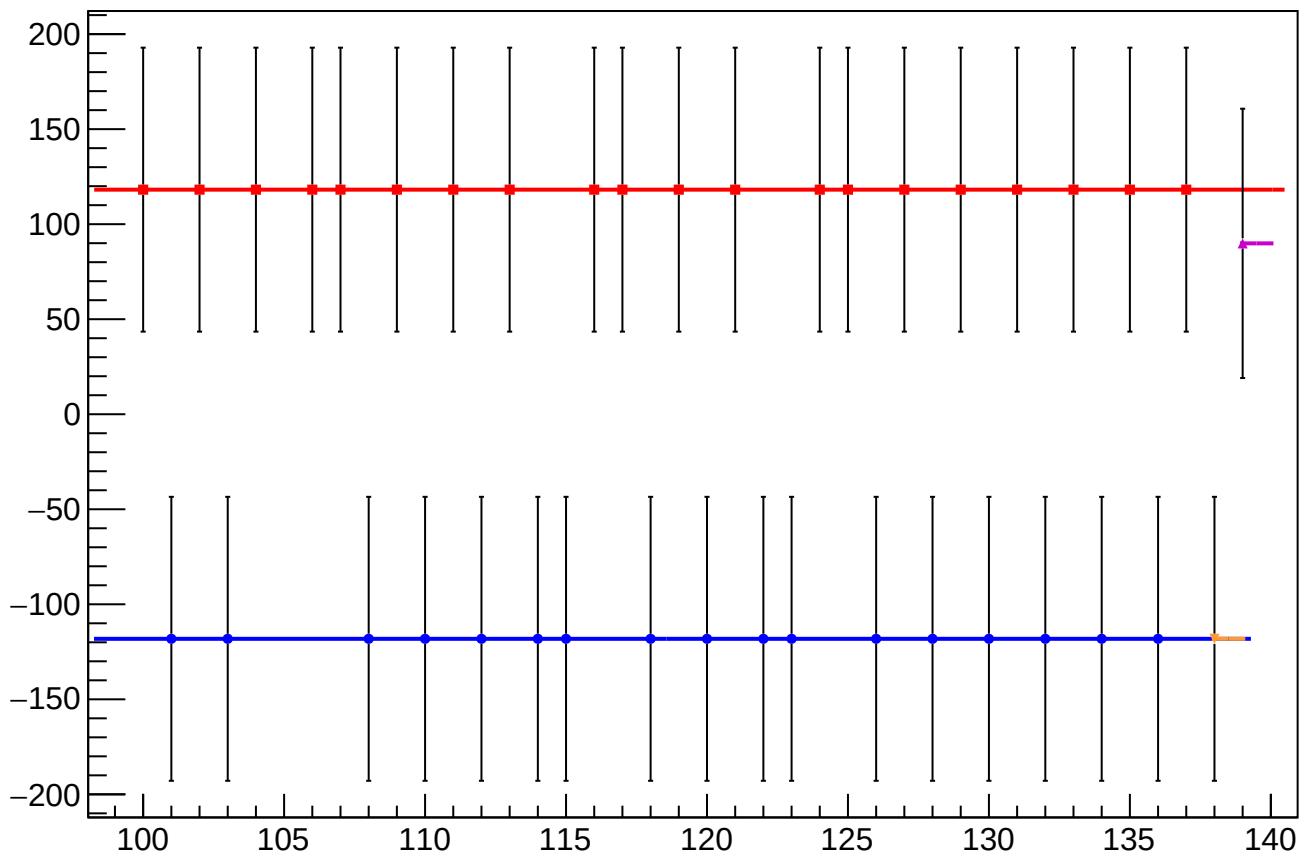
Left In: 635.714 $\pm$ 0.529 χ^2 /NDF: 0.0/0

602.349 $\pm$ 0.118 χ^2 /NDF: 0.0/17

603.122 $\pm$ 0.081 χ^2 /NDF: 3882.8/38

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: -118.166 $\pm$ 74.707 χ^2/NDF : 0.0/0

Right Out: 118.166 $\pm$ 16.705 χ^2/NDF : 0.0/19

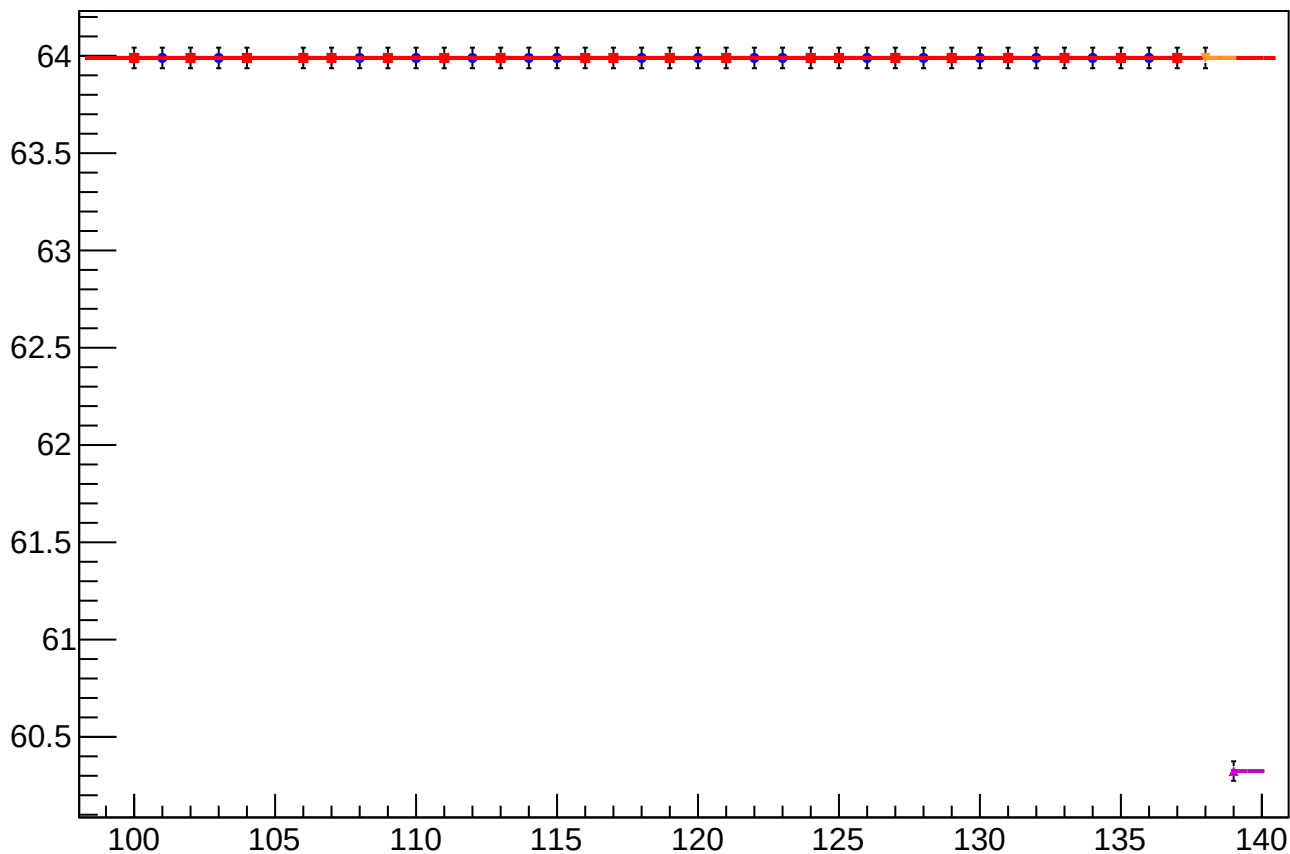
Left In: 89.896 $\pm$ 70.855 χ^2/NDF : 0.0/0

-118.166 $\pm$ 17.609 χ^2/NDF : 0.0/17

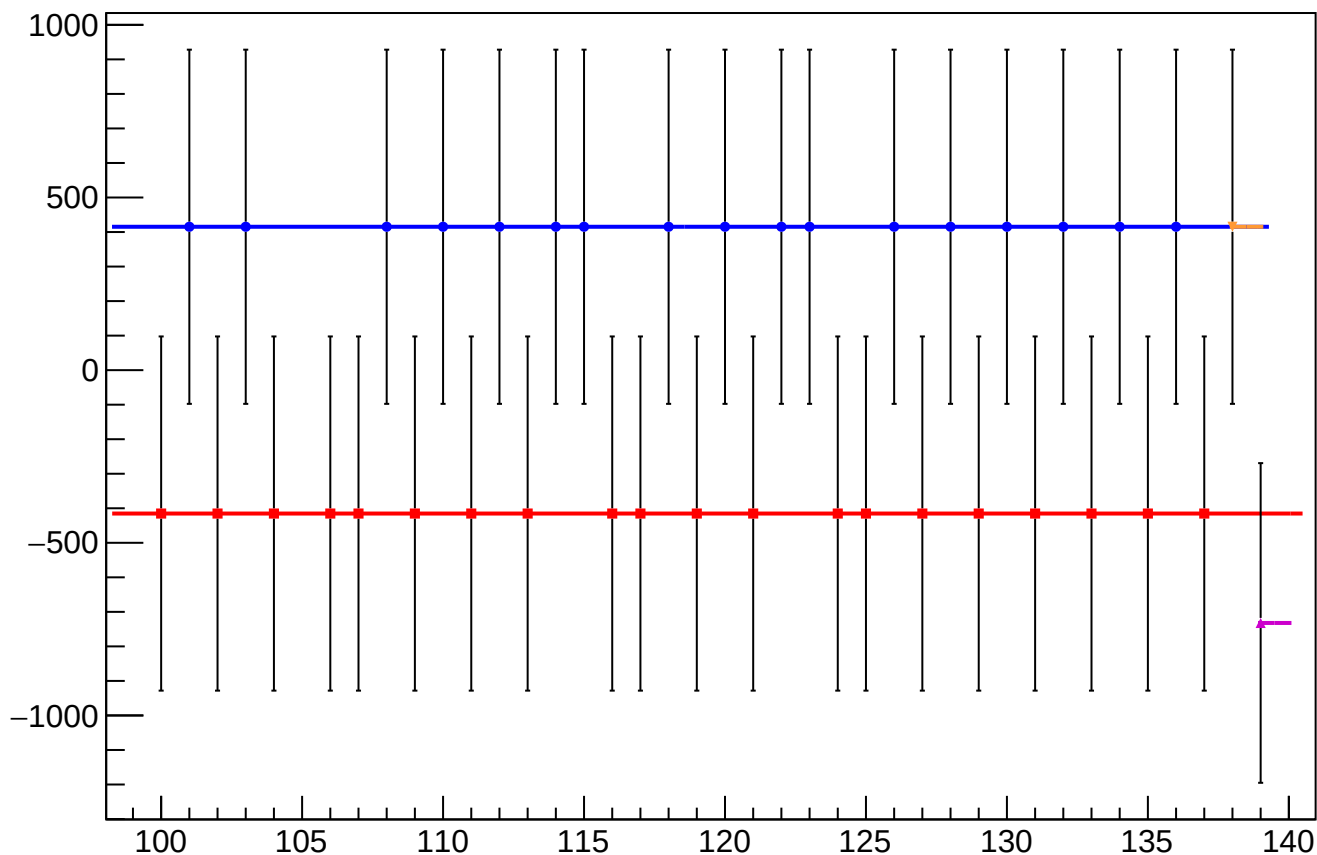
8.598 $\pm$ 11.946 χ^2/NDF : 96.2/38

116.677 $\pm$ 16.259 χ^2/NDF : 0.2/20

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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: 415.260 $\pm$ 512.870 χ^2 /NDF:0.0/0

Right Out: -415.260 $\pm$ 114.681 χ^2 /NDF: 0.0/19

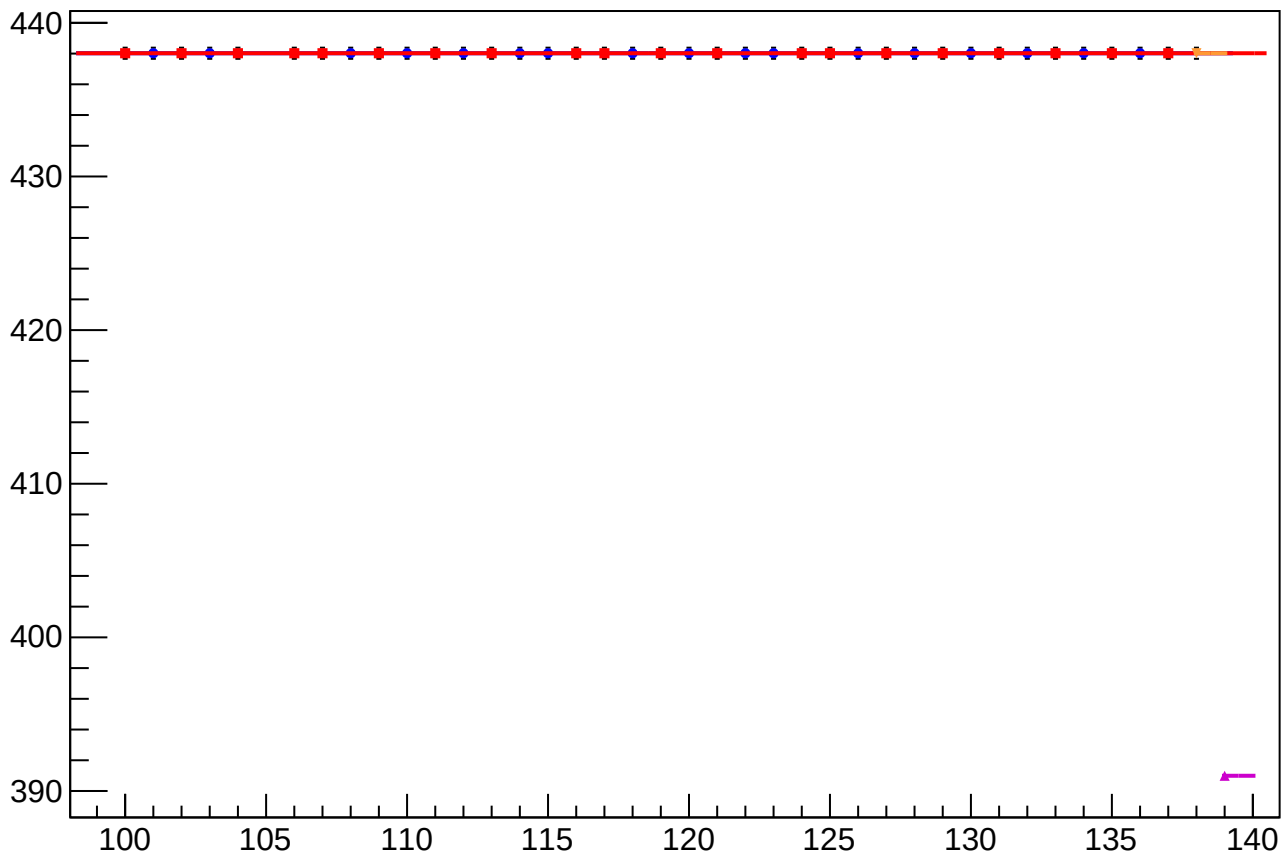
Left In: -732.152 $\pm$ 462.893 χ^2 /NDF:0.0/0

415.260 $\pm$ 120.885 χ^2 /NDF: 0.0/17

-44.084 $\pm$ 81.886 χ^2 /NDF: 27.1/38

-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: 438.022 $\pm$ 0.363 χ^2 /NDF: 0.0/0

Right Out: 438.022 $\pm$ 0.081 χ^2 /NDF: 0.0/19

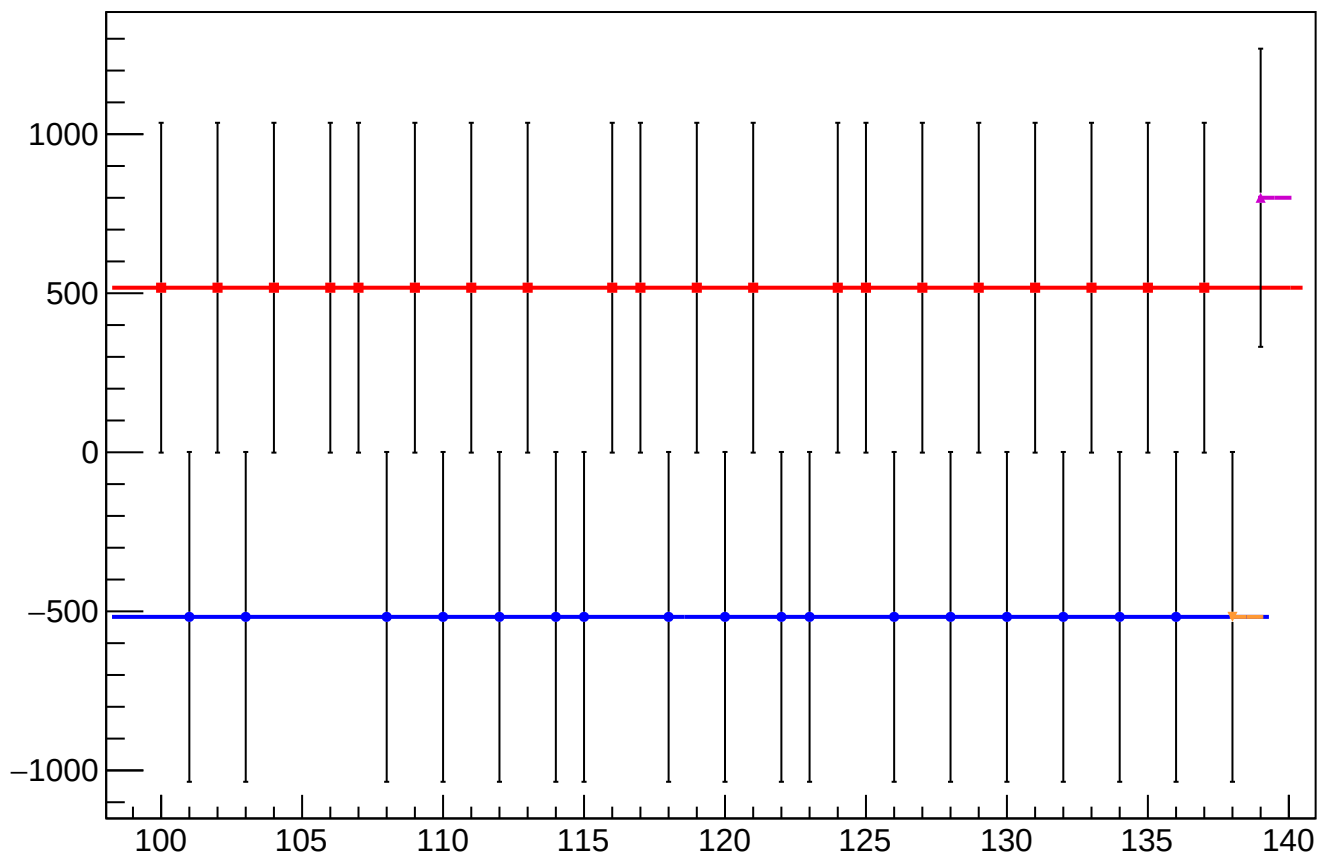
Left In: 390.991 $\pm$ 0.327 χ^2 /NDF: 0.0/0

438.022 $\pm$ 0.085 χ^2 /NDF: 0.0/17

436.550 $\pm$ 0.058 χ^2 /NDF: 19999.9/38

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: -517.375 ± 518.424 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 517.375 ± 115.923 $\chi^2/\text{NDF}: 0.0/19$

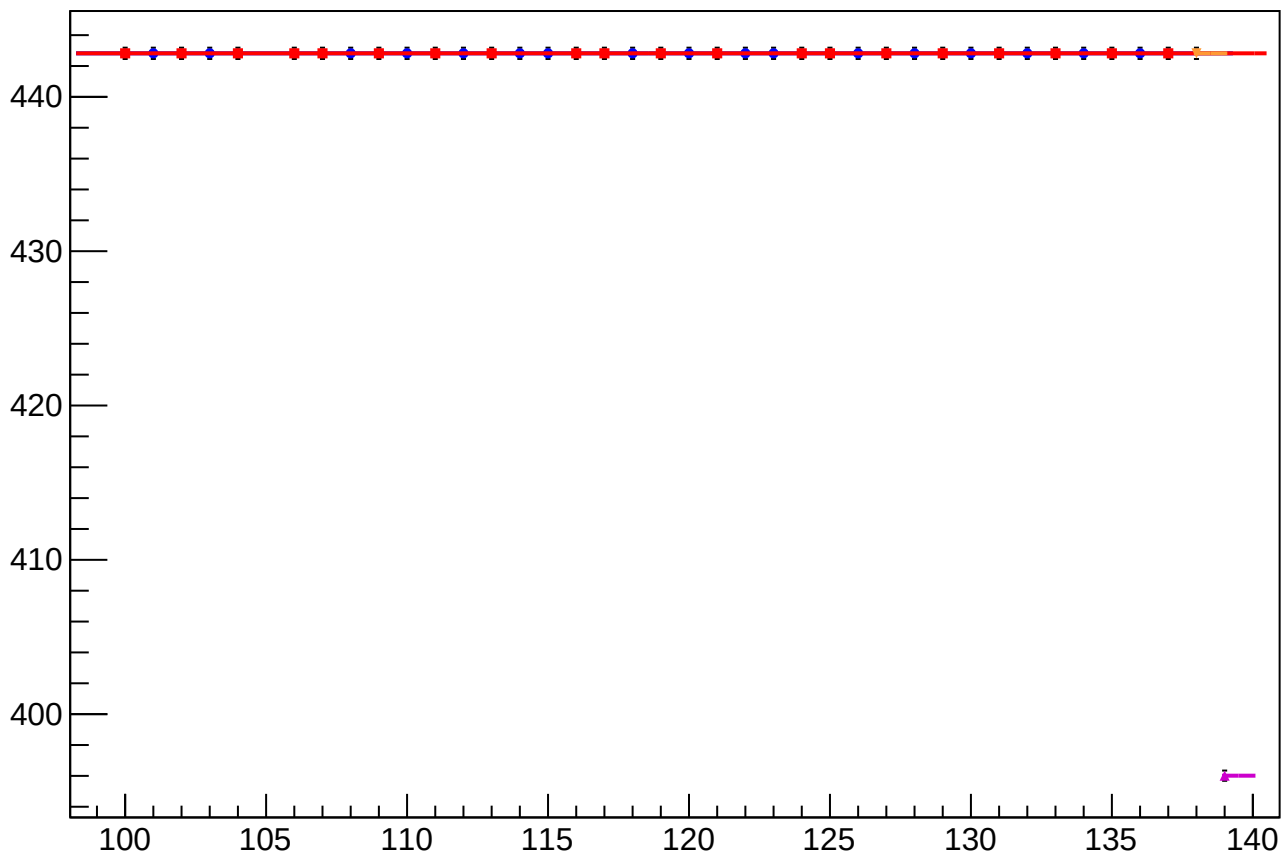
Left In: 800.159 ± 468.645 $\chi^2/\text{NDF}: 0.0/0$

-517.375 ± 122.194 $\chi^2/\text{NDF}: 0.0/17$

51.344 ± 82.777 $\chi^2/\text{NDF}: 40.4/38$

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: 442.822 $\pm$ 0.367 χ^2 /NDF: 0.0/0

Right Out: 442.822 $\pm$ 0.082 χ^2 /NDF: 0.0/19

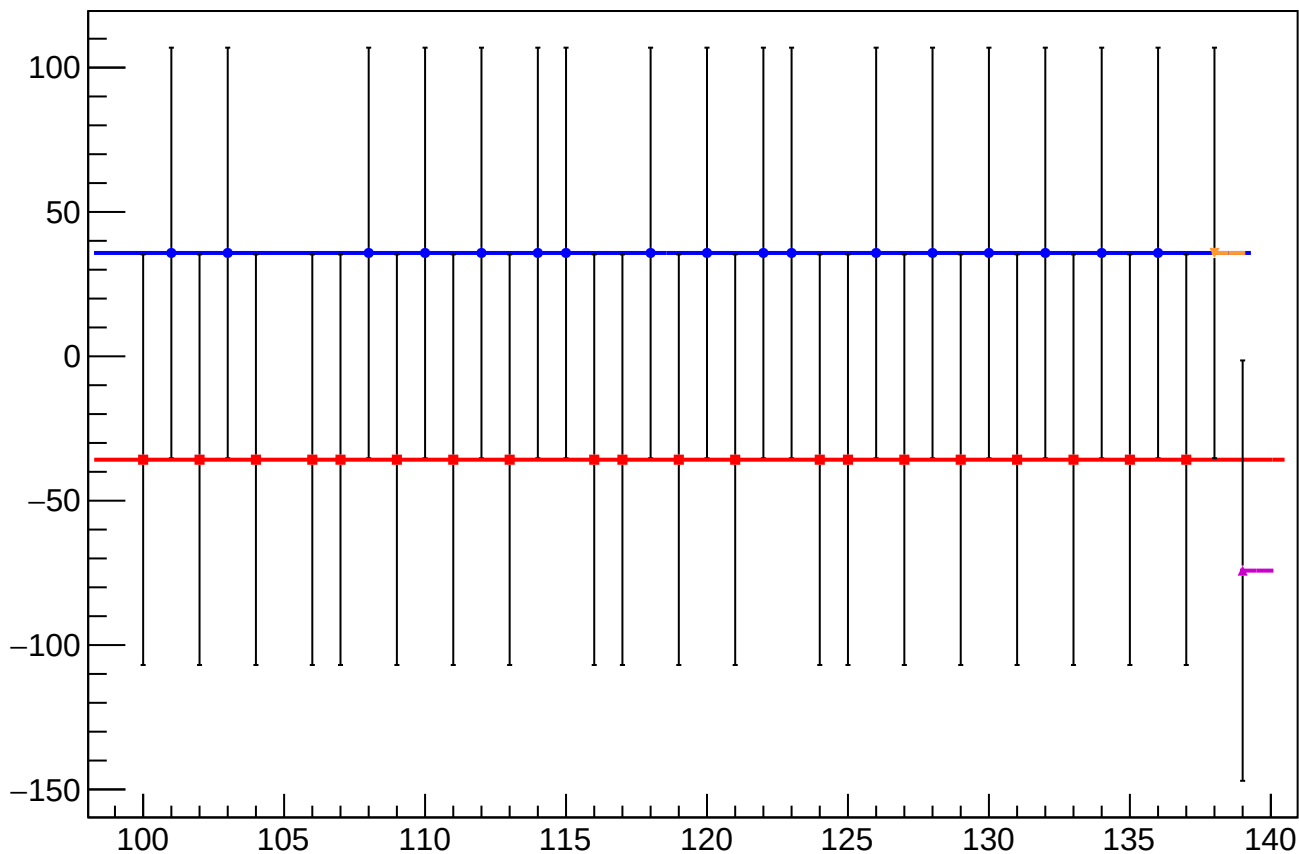
Left In: 396.013 $\pm$ 0.331 χ^2 /NDF: 0.0/0

442.822 $\pm$ 0.086 χ^2 /NDF: 0.0/17

441.362 $\pm$ 0.059 χ^2 /NDF: 19330.2/38

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: 35.799 $\pm$ 71.100 χ^2 /NDF: 0.0/0

Right Out: -35.799 $\pm$ 15.898 χ^2 /NDF: 0.0/19

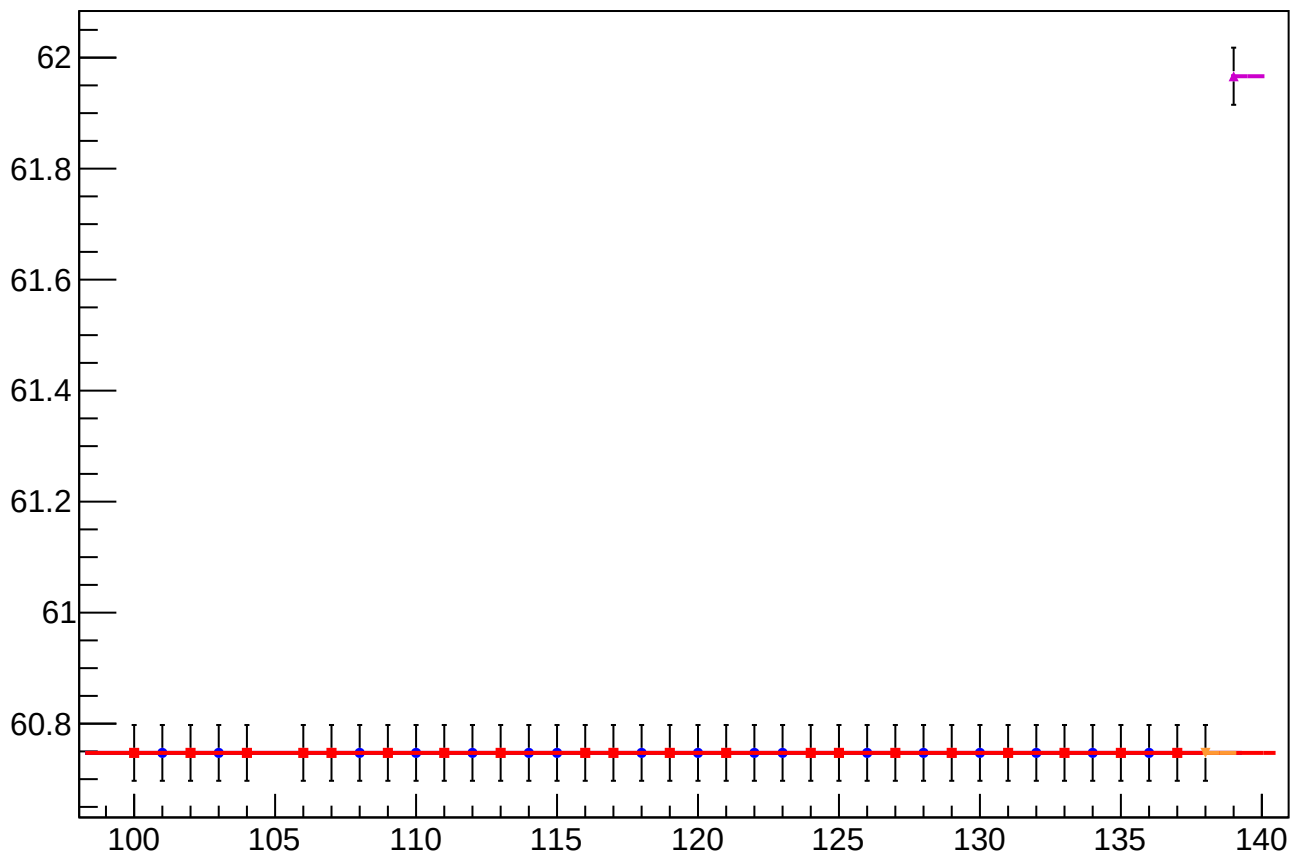
Left In: -74.219 $\pm$ 72.793 χ^2 /NDF: 0.0/0

35.799 $\pm$ 16.758 χ^2 /NDF: 0.0/17

-3.656 $\pm$ 11.392 χ^2 /NDF: 10.6/38

-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: 60.747 $\pm$ 0.050 χ^2 /NDF: 0.0/0

Right Out: 60.747 $\pm$ 0.011 χ^2 /NDF: 0.0/19

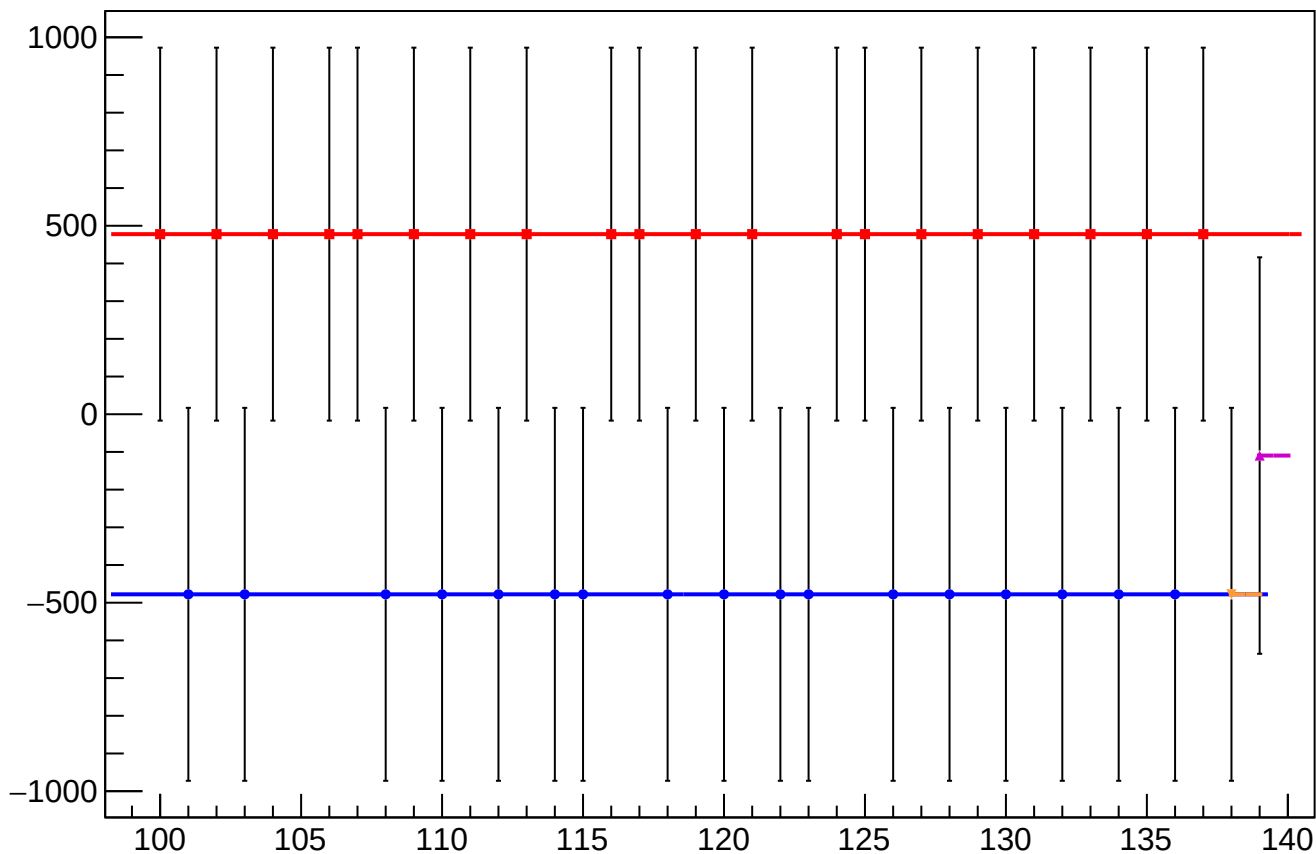
Left In: 61.966 $\pm$ 0.051 χ^2 /NDF: 0.0/0

60.747 $\pm$ 0.012 χ^2 /NDF: 0.0/17

60.777 $\pm$ 0.008 χ^2 /NDF: 547.3/38

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 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -477.757 ± 494.704 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 477.757 ± 110.619 $\chi^2/\text{NDF}: 0.0/19$

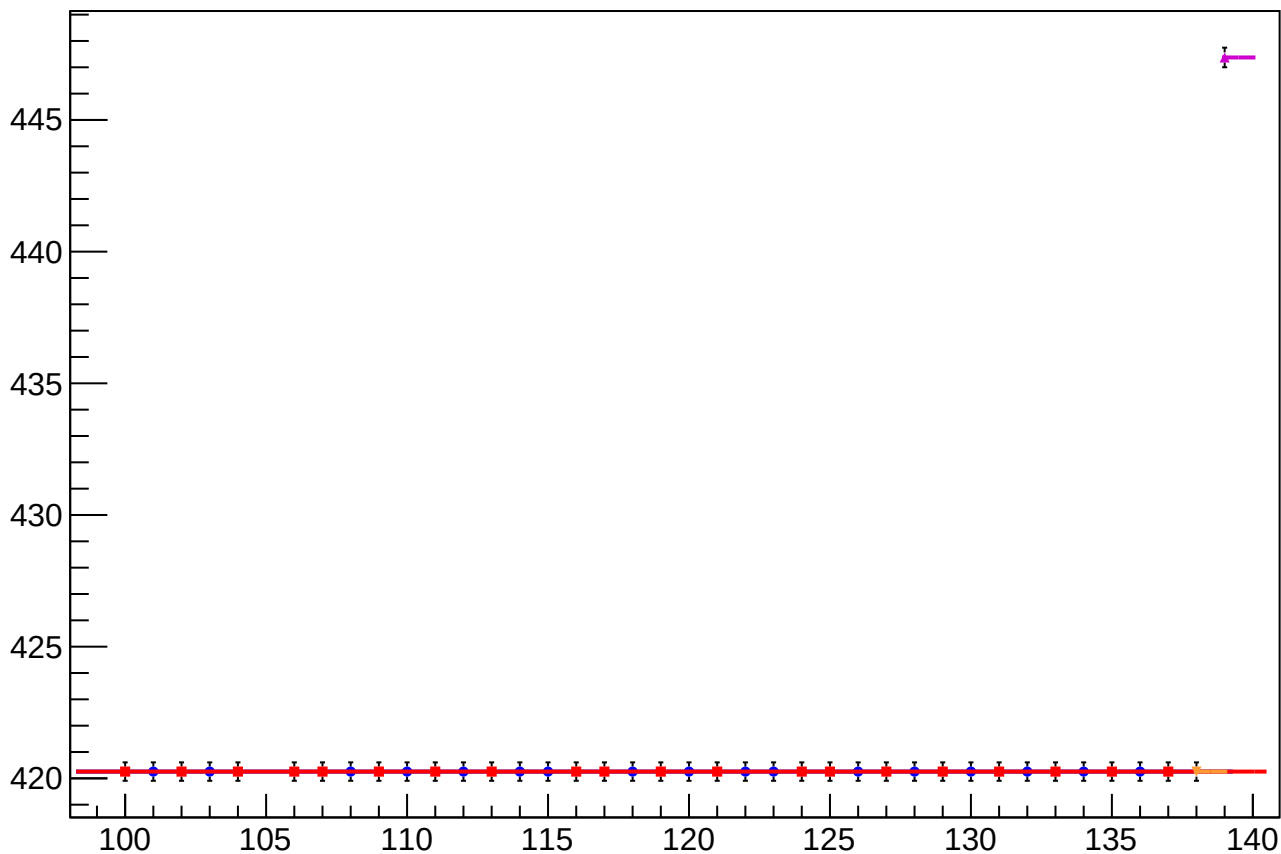
Left In: -109.630 ± 525.911 $\chi^2/\text{NDF}: 0.0/0$

-477.757 ± 116.603 $\chi^2/\text{NDF}: 0.0/17$

22.078 ± 79.333 $\chi^2/\text{NDF}: 35.4/38$

452.871 ± 108.251 $\chi^2/\text{NDF}: 1.2/20$

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 420.257+/-0.085 χ^2/NDF : 0.0/16

Left Out: 420.257+/-0.350 χ^2/NDF : 0.0/0

Right Out: 420.257+/-0.078 χ^2/NDF : 0.0/19

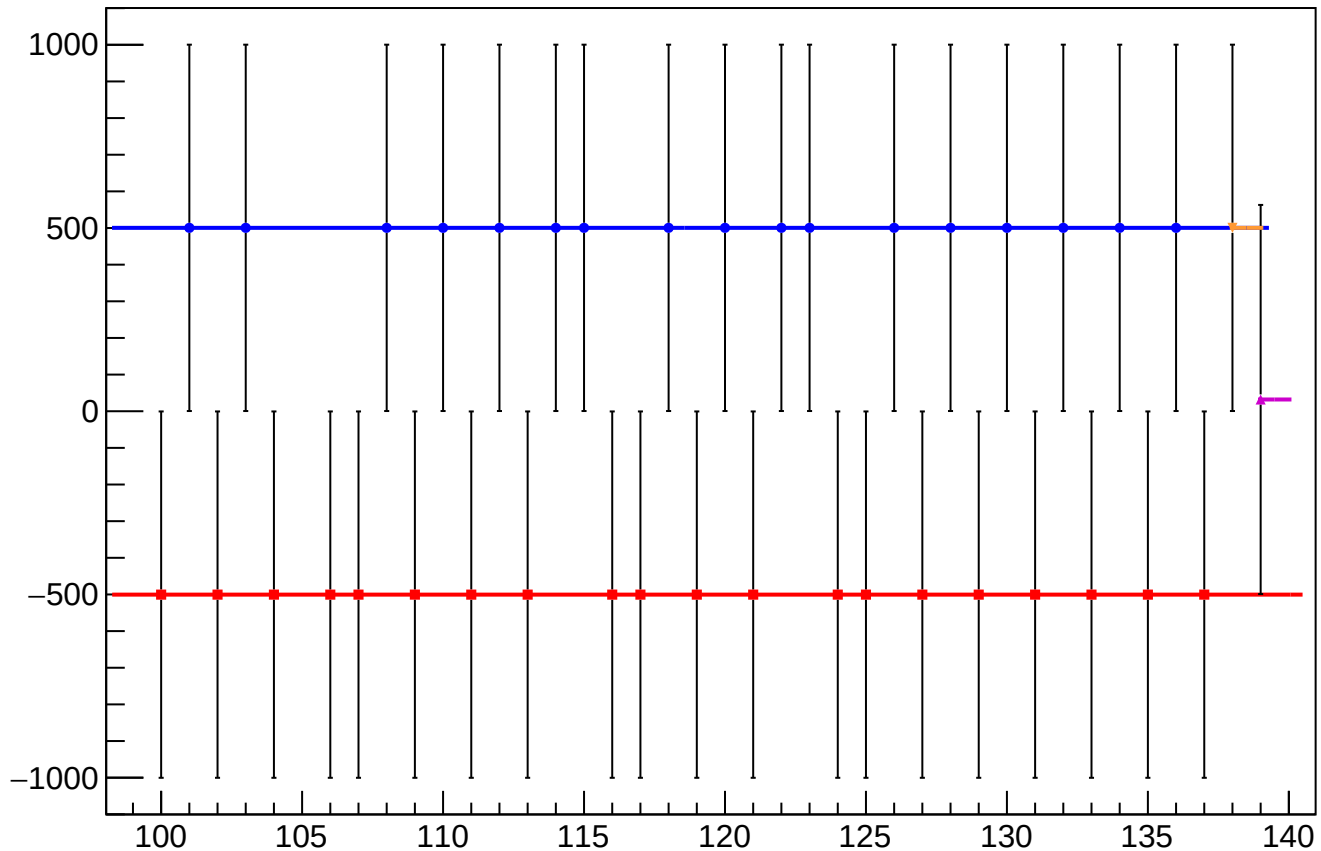
Left In: 447.373+/-0.372 χ^2/NDF : 0.0/0

420.257+/-0.082 χ^2/NDF : 0.0/17

420.874+/-0.056 χ^2/NDF : 5196.1/38

421.406+/-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: 500.448 $\pm$ 499.876 χ^2 /NDF: 0.0/0

Right Out: -500.448 $\pm$ 111.776 χ^2 /NDF: 0.0/19

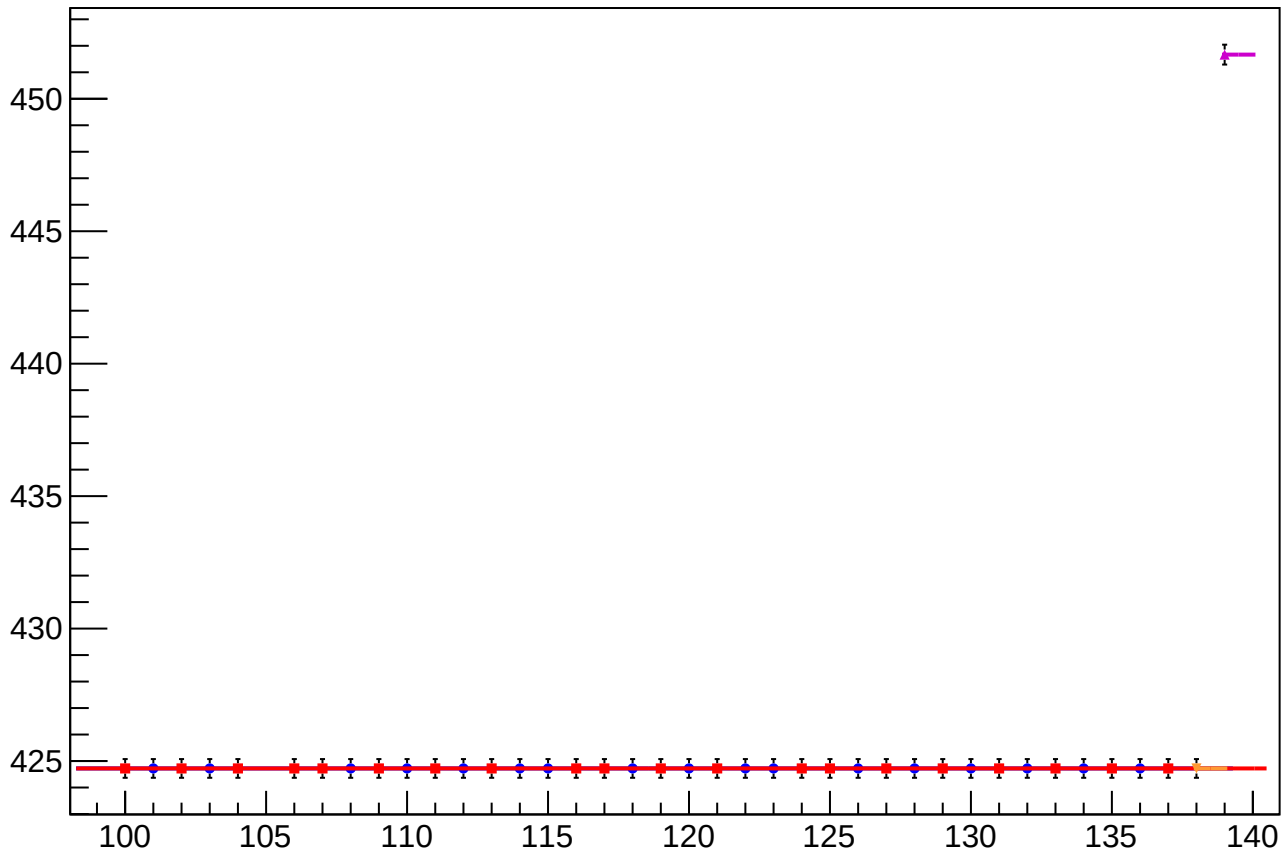
Left In: 32.054 $\pm$ 530.946 χ^2 /NDF: 0.0/0

500.448 $\pm$ 117.822 χ^2 /NDF: 0.0/17

-25.008 $\pm$ 80.161 χ^2 /NDF: 38.0/38

-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: 424.721 $\pm$ 0.353 χ^2 /NDF: 0.0/0

Right Out: 424.721 $\pm$ 0.079 χ^2 /NDF: 0.0/19

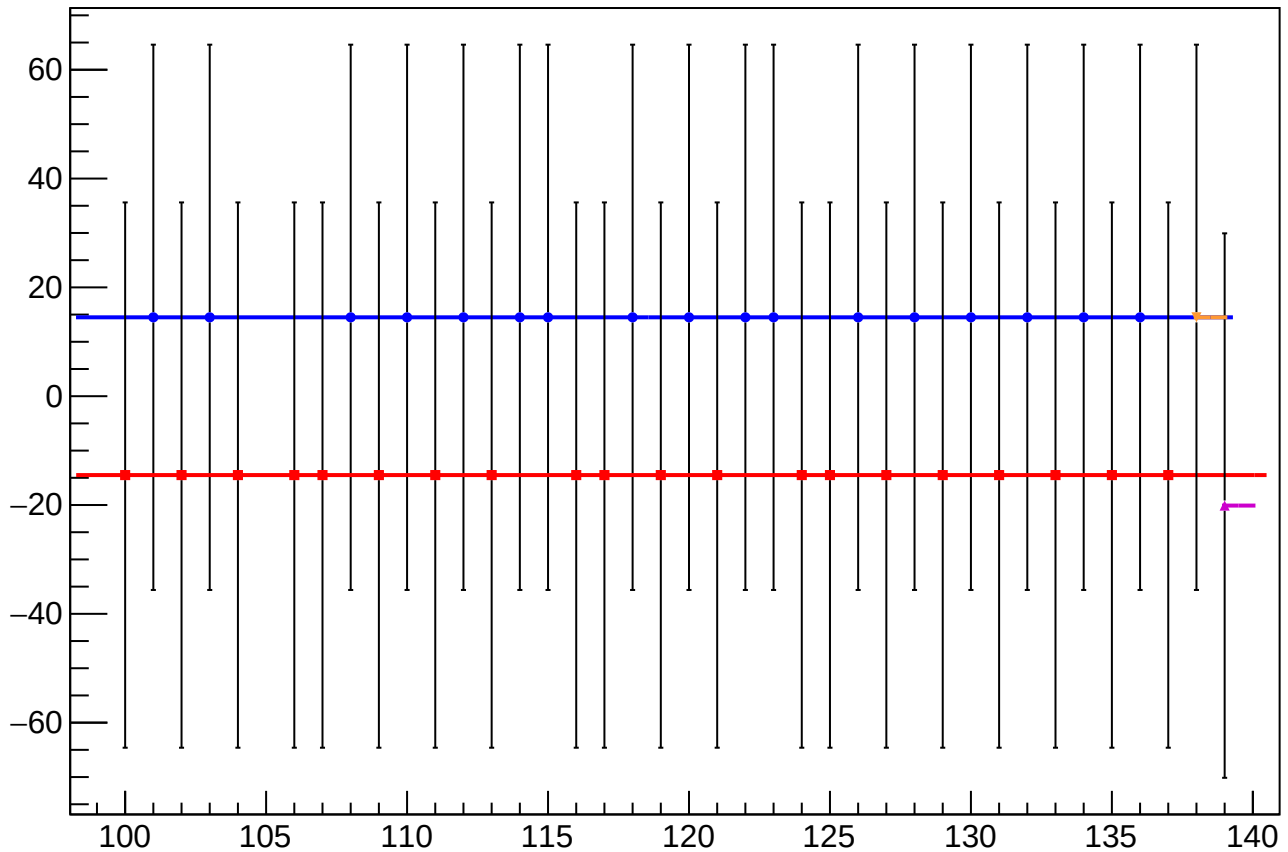
Left In: 451.667 $\pm$ 0.375 χ^2 /NDF: 0.0/0

424.721 $\pm$ 0.083 χ^2 /NDF: 0.0/17

425.335 $\pm$ 0.057 χ^2 /NDF: 5034.1/38

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 $\pm$ 12.154 χ^2 /NDF: 0.0/16

Left Out: 14.497 $\pm$ 50.112 χ^2 /NDF:0.0/0

Right Out: -14.497 $\pm$ 11.205 χ^2 /NDF: 0.0/19

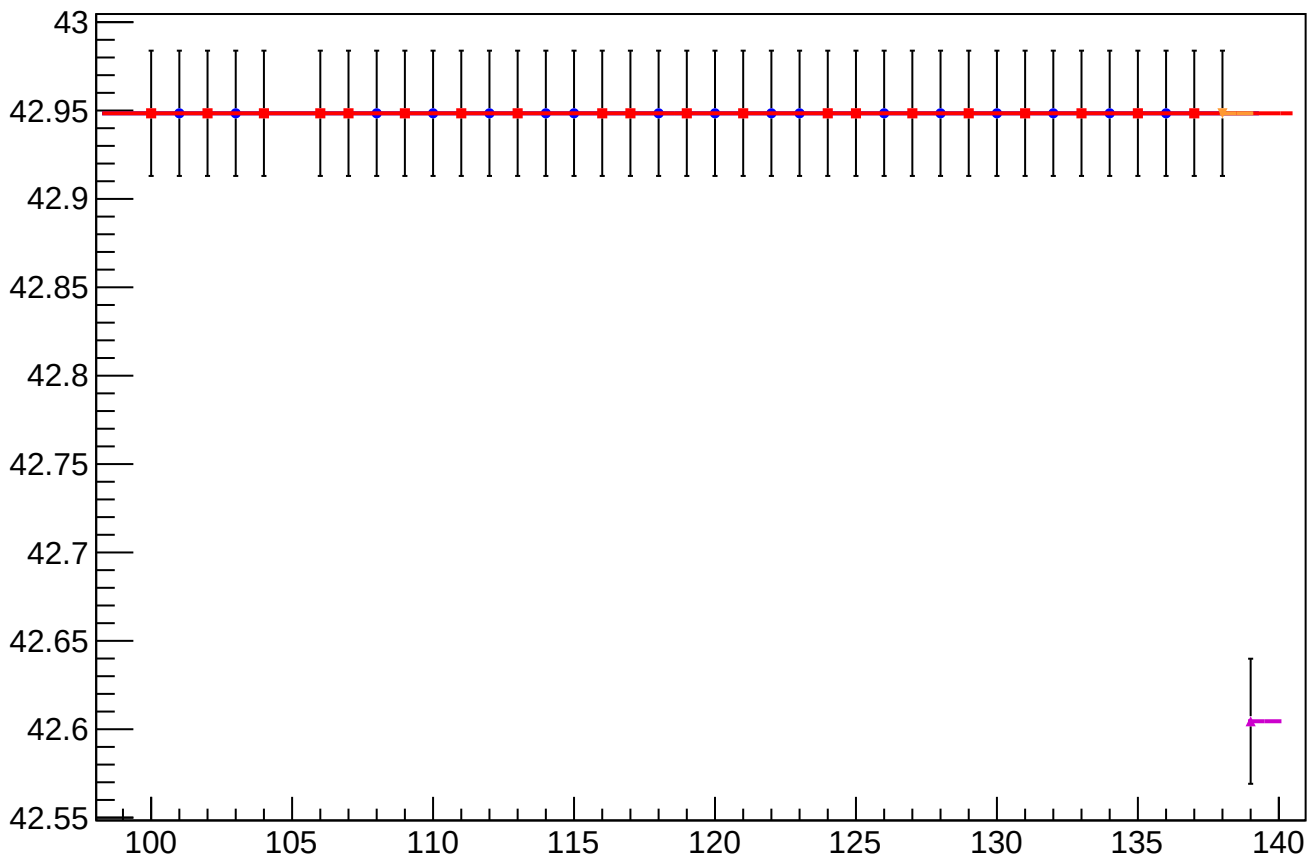
Left In: -20.102 $\pm$ 50.034 χ^2 /NDF:0.0/0

14.497 $\pm$ 11.811 χ^2 /NDF: 0.0/17

-1.260 $\pm$ 8.024 χ^2 /NDF: 3.3/38

-14.765 $\pm$ 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: 42.948 $\pm$ 0.035 χ^2/NDF : 0.0/0

Right Out: 42.948 $\pm$ 0.008 χ^2/NDF : 0.0/19

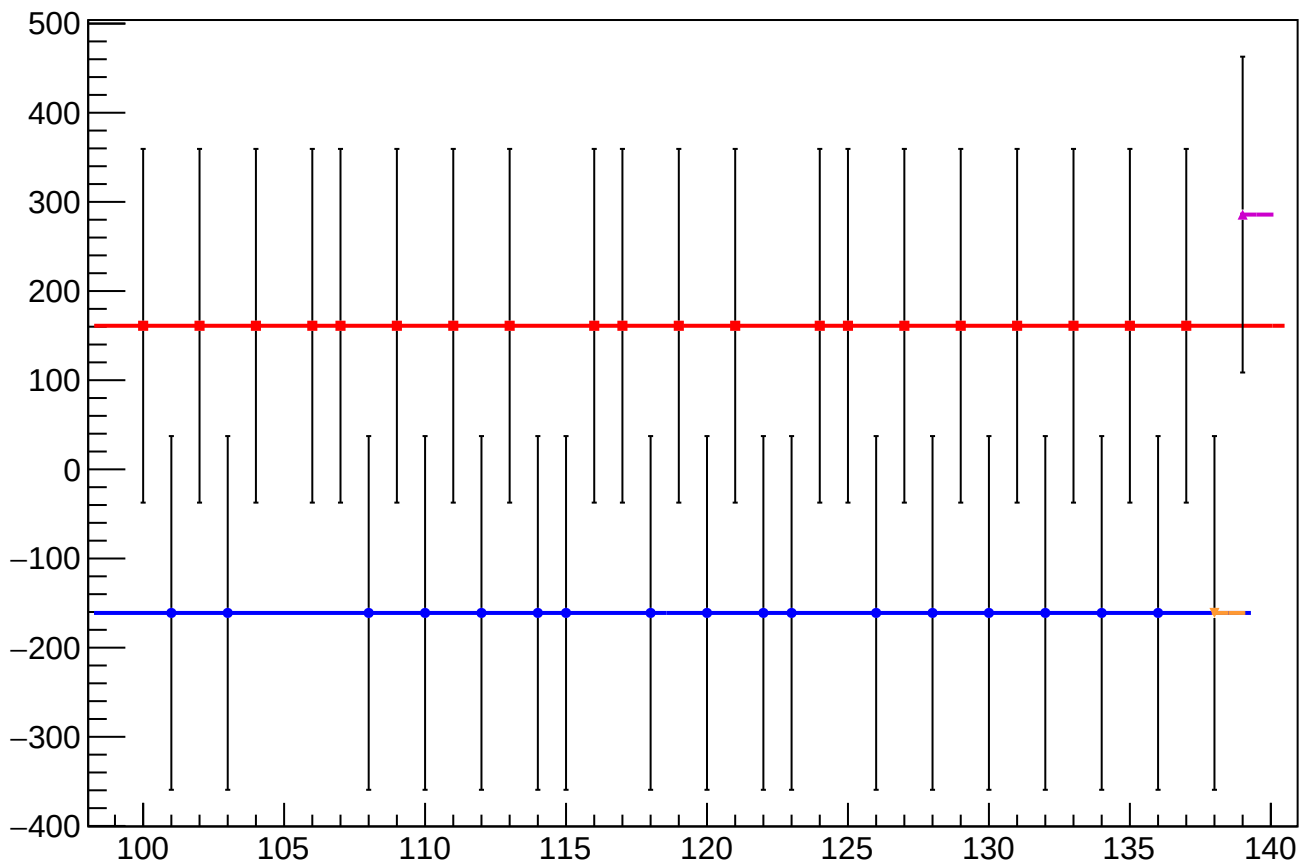
Left In: 42.605 $\pm$ 0.035 χ^2/NDF : 0.0/0

42.948 $\pm$ 0.008 χ^2/NDF : 0.0/17

42.940 $\pm$ 0.006 χ^2/NDF : 92.1/38

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 ± 48.113 χ^2/NDF : 0.0/16

Left Out: -161.053 ± 198.376 χ^2/NDF : 0.0/0

Right Out: 161.053 ± 44.358 χ^2/NDF : 0.0/19

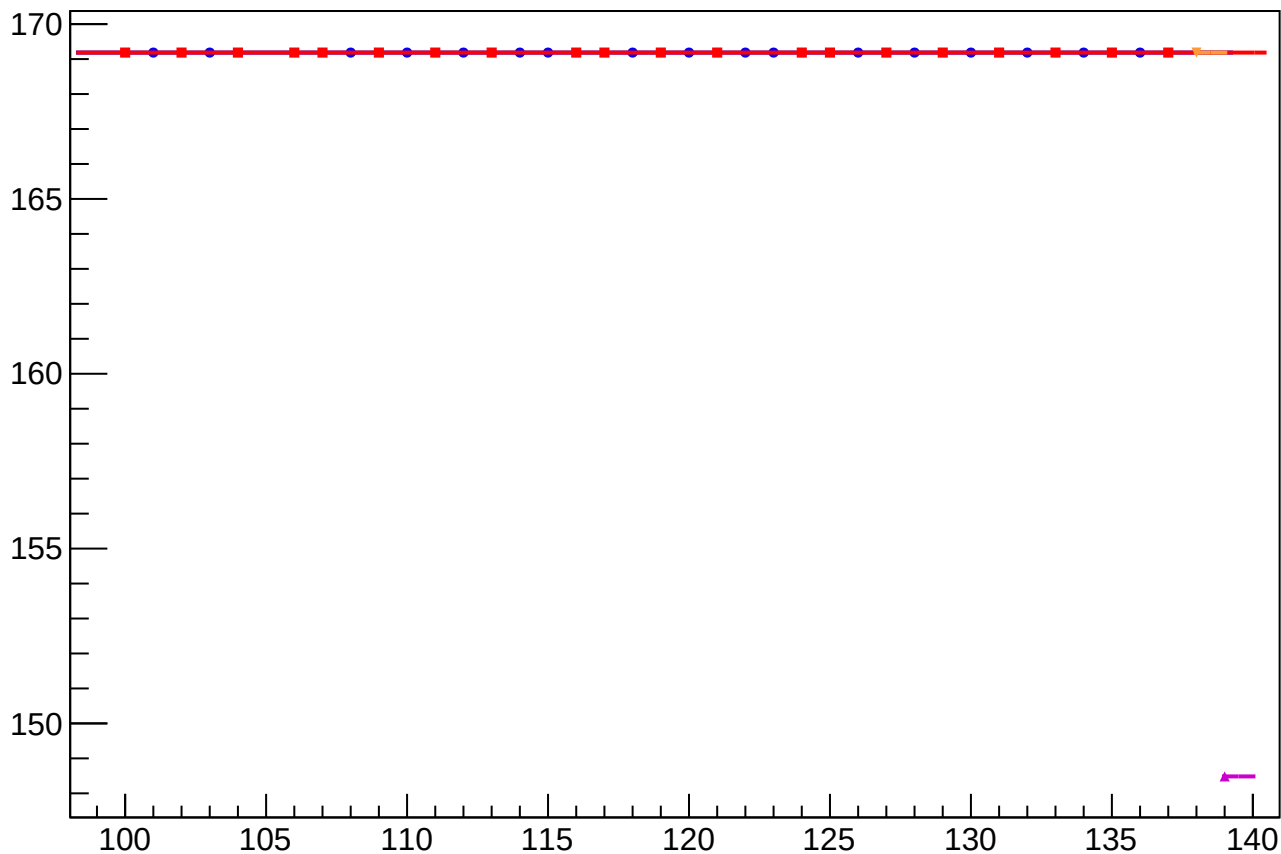
Left In: 285.755 ± 177.131 χ^2/NDF : 0.0/0

-161.053 ± 46.758 χ^2/NDF : 0.0/17

17.336 ± 31.663 χ^2/NDF : 27.3/38

168.412 ± 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: 169.186 $\pm$ 0.140 χ^2 /NDF: 0.0/0

Right Out: 169.186 $\pm$ 0.031 χ^2 /NDF: 0.0/19

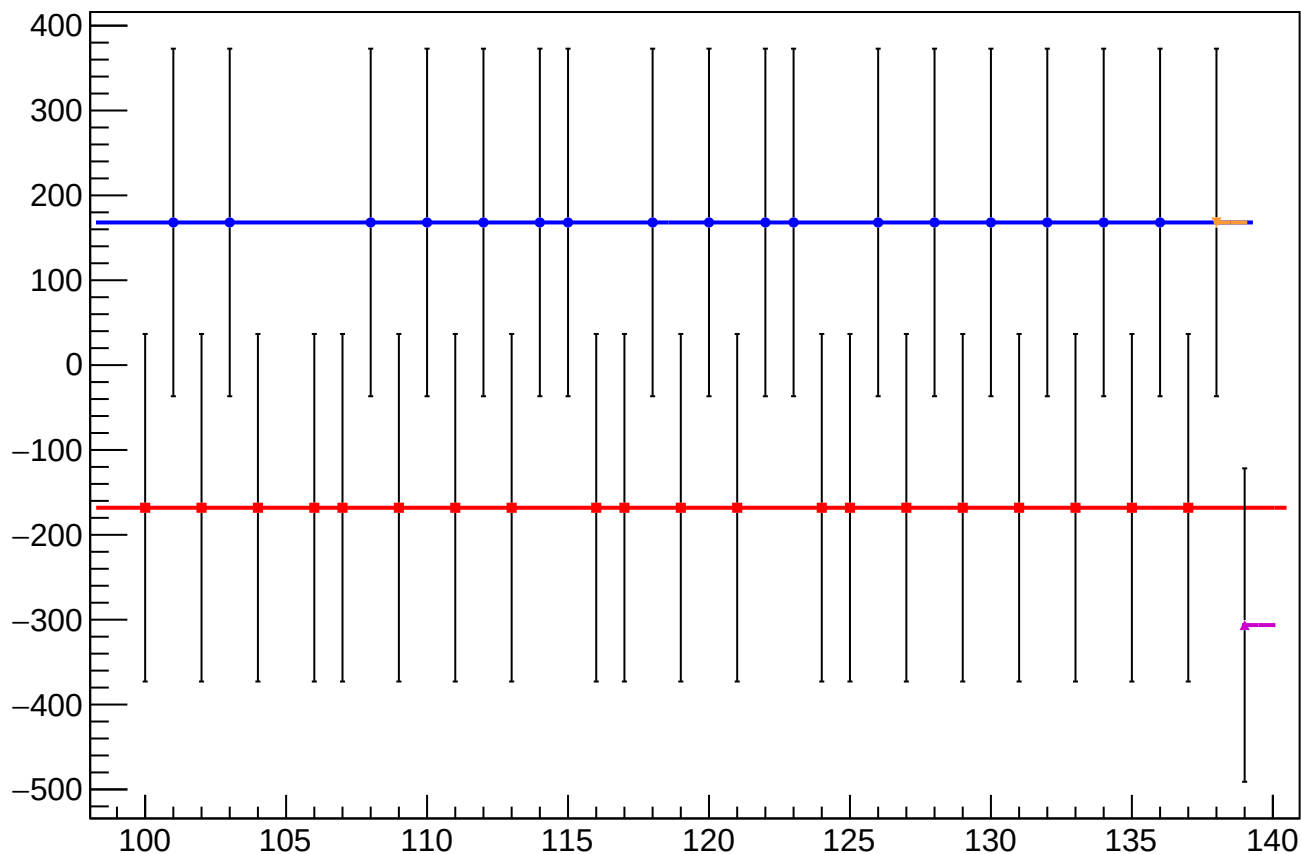
Left In: 148.484 $\pm$ 0.125 χ^2 /NDF: 0.0/0

169.186 $\pm$ 0.033 χ^2 /NDF: 0.0/17

168.524 $\pm$ 0.022 χ^2 /NDF: 26445.9/38

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 ± 49.667 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 168.090 ± 204.783 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -168.090 ± 45.791 $\chi^2/\text{NDF}: 0.0/19$

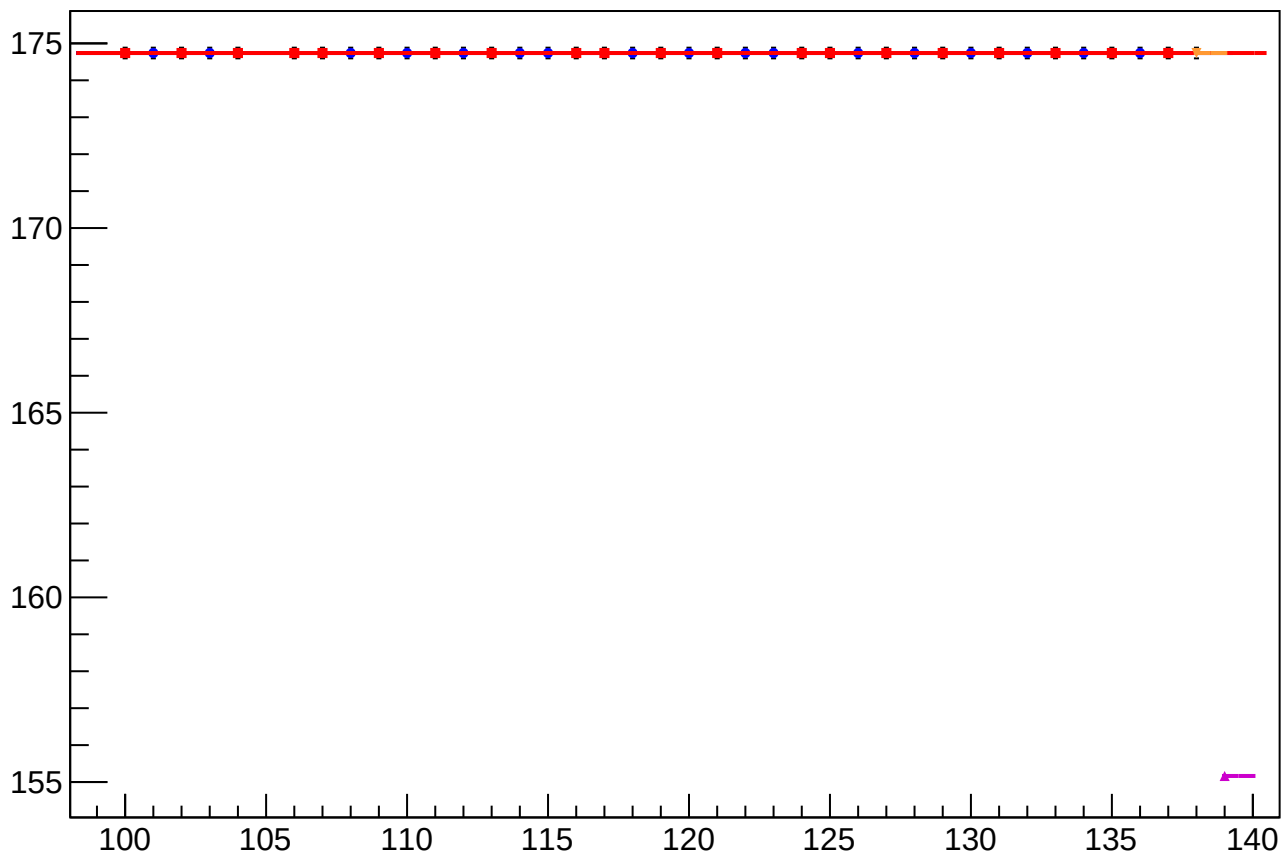
Left In: -306.336 ± 184.686 $\chi^2/\text{NDF}: 0.0/0$

168.090 ± 48.268 $\chi^2/\text{NDF}: 0.0/17$

-18.170 ± 32.696 $\chi^2/\text{NDF}: 28.0/38$

-176.096 ± 44.445 $\chi^2/\text{NDF}: 0.5/20$

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: 174.739 $\pm$ 0.145 χ^2 /NDF: 0.0/0

Right Out: 174.739 $\pm$ 0.032 χ^2 /NDF: 0.0/19

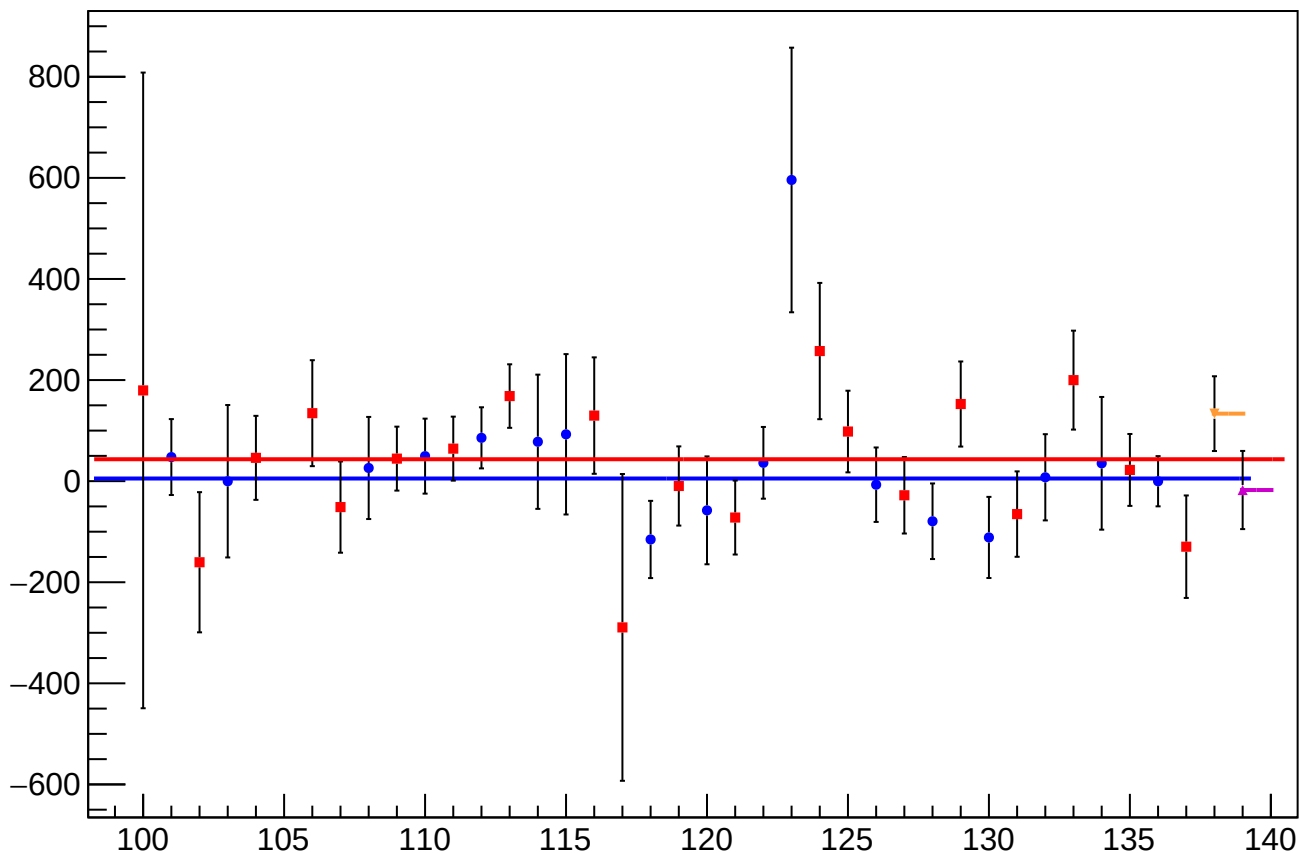
Left In: 155.164 $\pm$ 0.131 χ^2 /NDF: 0.0/0

174.739 $\pm$ 0.034 χ^2 /NDF: 0.0/17

174.126 $\pm$ 0.023 χ^2 /NDF: 21763.2/38

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 $\pm$ 20.150 χ^2 /NDF: 14.7/16

Left Out: 133.550 $\pm$ 73.971 χ^2 /NDF:0.0/0

Right Out: 43.354 $\pm$ 19.371 χ^2 /NDF: 25.6/19

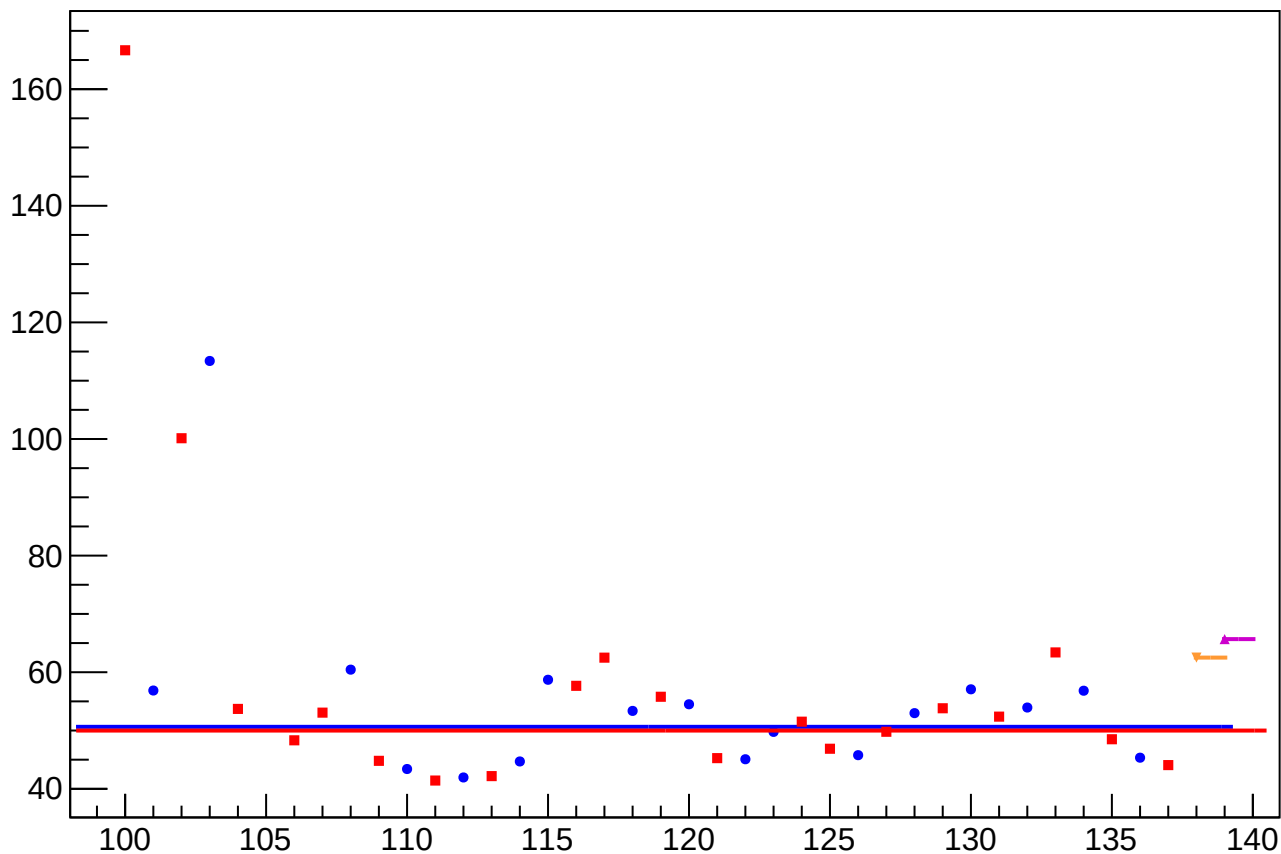
Left In: -17.544 $\pm$ 77.325 χ^2 /NDF:0.0/0

14.085 $\pm$ 19.442 χ^2 /NDF: 17.5/17

27.359 $\pm$ 13.511 χ^2 /NDF: 44.6/38

39.758 $\pm$ 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: 62.509 $\pm$ 0.052 χ^2 /NDF: 0.0/0

Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

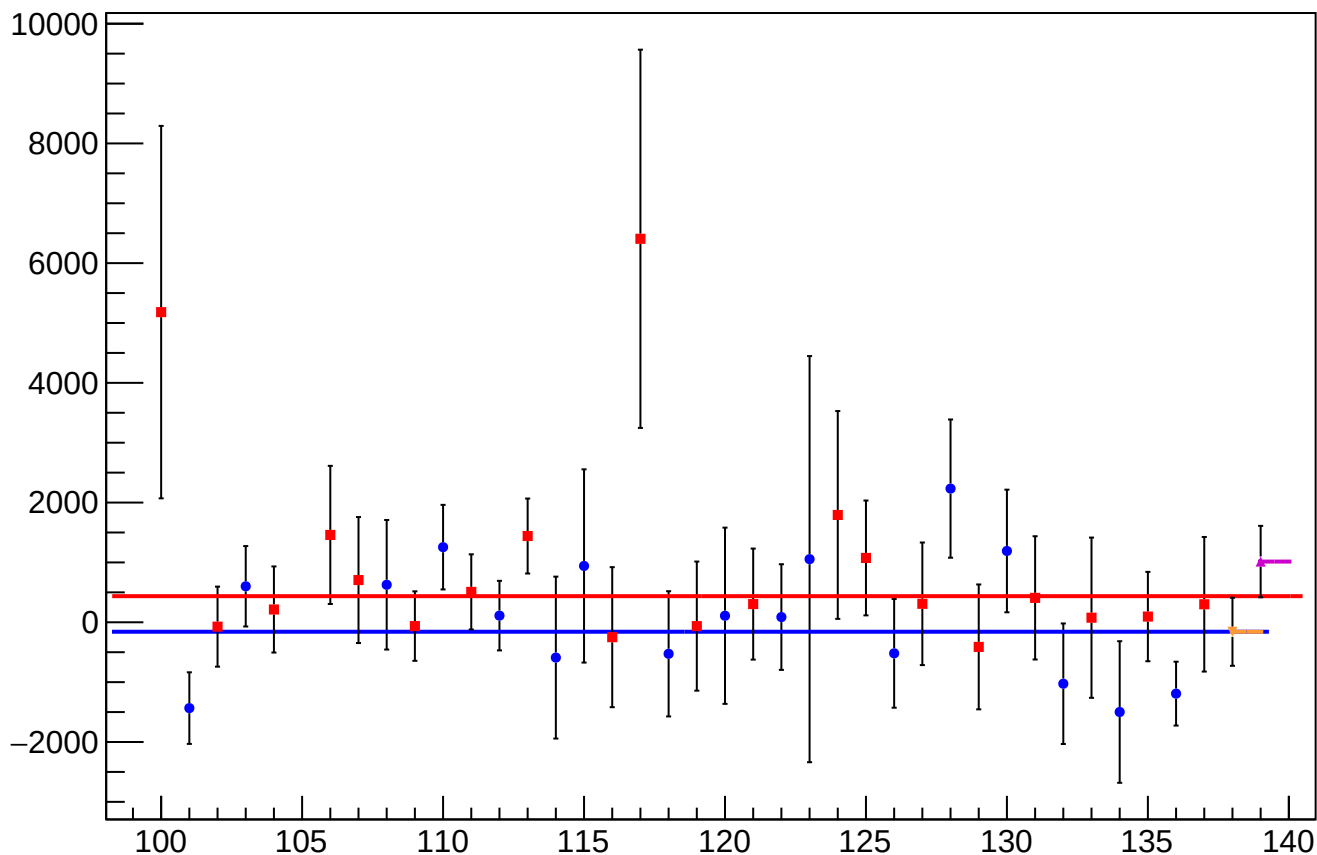
Left In: 65.680 $\pm$ 0.055 χ^2 /NDF: 0.0/0

51.455 $\pm$ 0.014 χ^2 /NDF: 567661.0/17

51.179 $\pm$ 0.010 χ^2 /NDF: 1149783.4/38

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+/-210.181 χ^2/NDF : 23.5/16

Left Out: -158.724+/-568.257 χ^2/NDF : 0.0/0

Right Out: 436.410+/-203.212 χ^2/NDF : 13.4/19

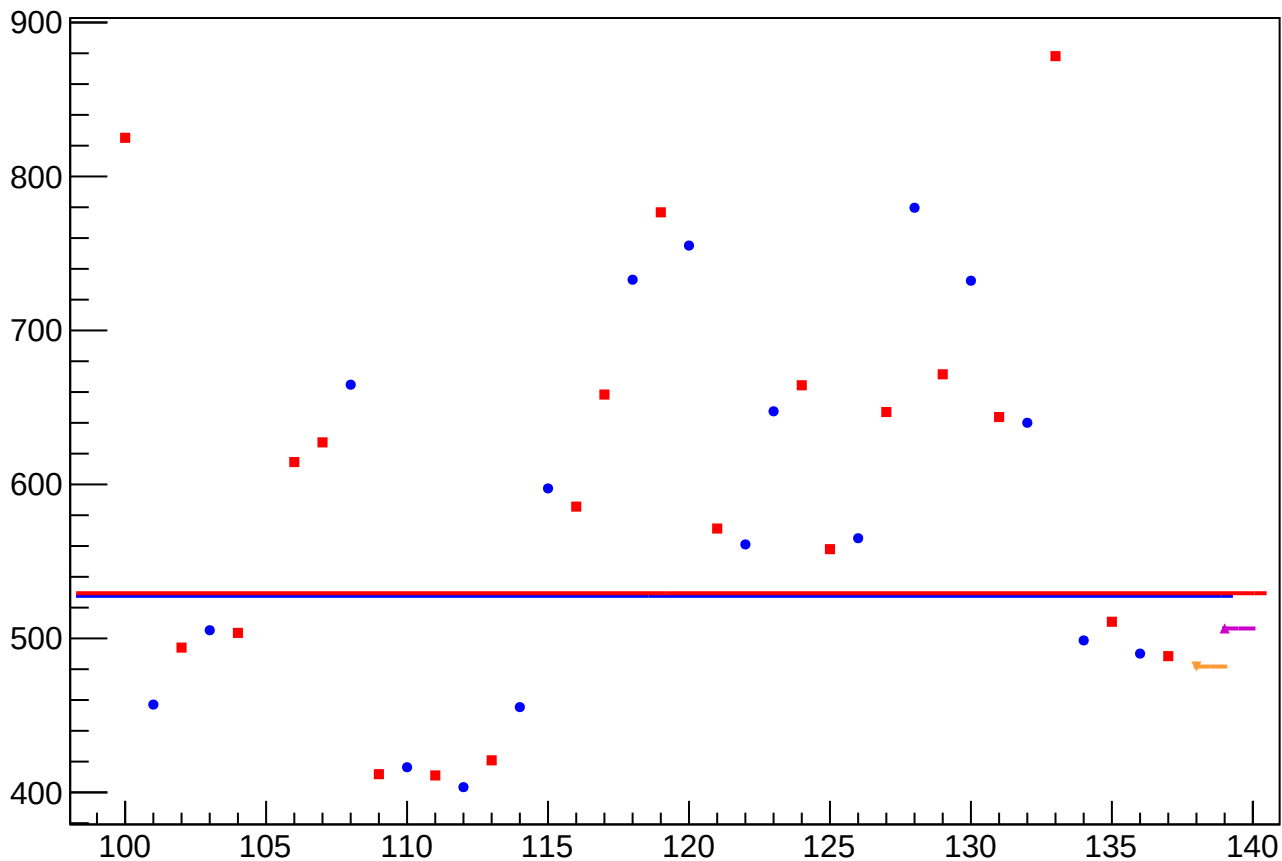
Left In: 1014.299+/-596.435 χ^2/NDF : 0.0/0

-158.088+/-197.129 χ^2/NDF : 23.5/17

177.239+/-137.672 χ^2/NDF : 43.3/38

496.516+/-192.354 χ^2/NDF : 14.2/20

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 481.725 $\pm$ 0.402 χ^2 /NDF: 0.0/0

Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

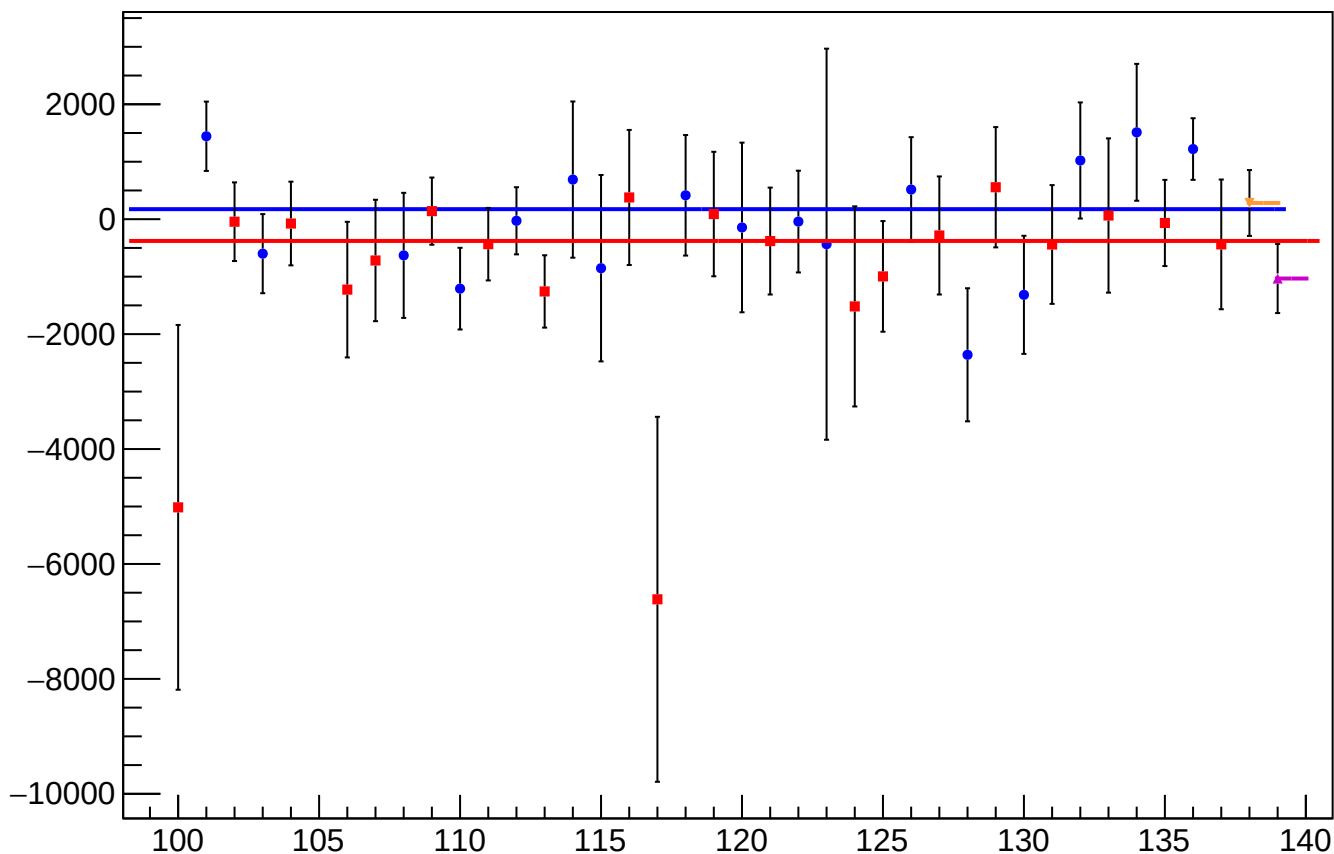
Left In: 506.465 $\pm$ 0.422 χ^2 /NDF: 0.0/0

522.135 $\pm$ 0.139 χ^2 /NDF: 568921.0/17

524.608 $\pm$ 0.097 χ^2 /NDF: 1198886.2/38

526.963 $\pm$ 0.136 χ^2 /NDF: 629350.7/20

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605+/-211.662 χ^2/NDF : 23.7/16

Left Out: 282.465+/-573.112 χ^2/NDF : 0.0/0

Right Out: -378.609+/-204.777 χ^2/NDF : 12.3/19

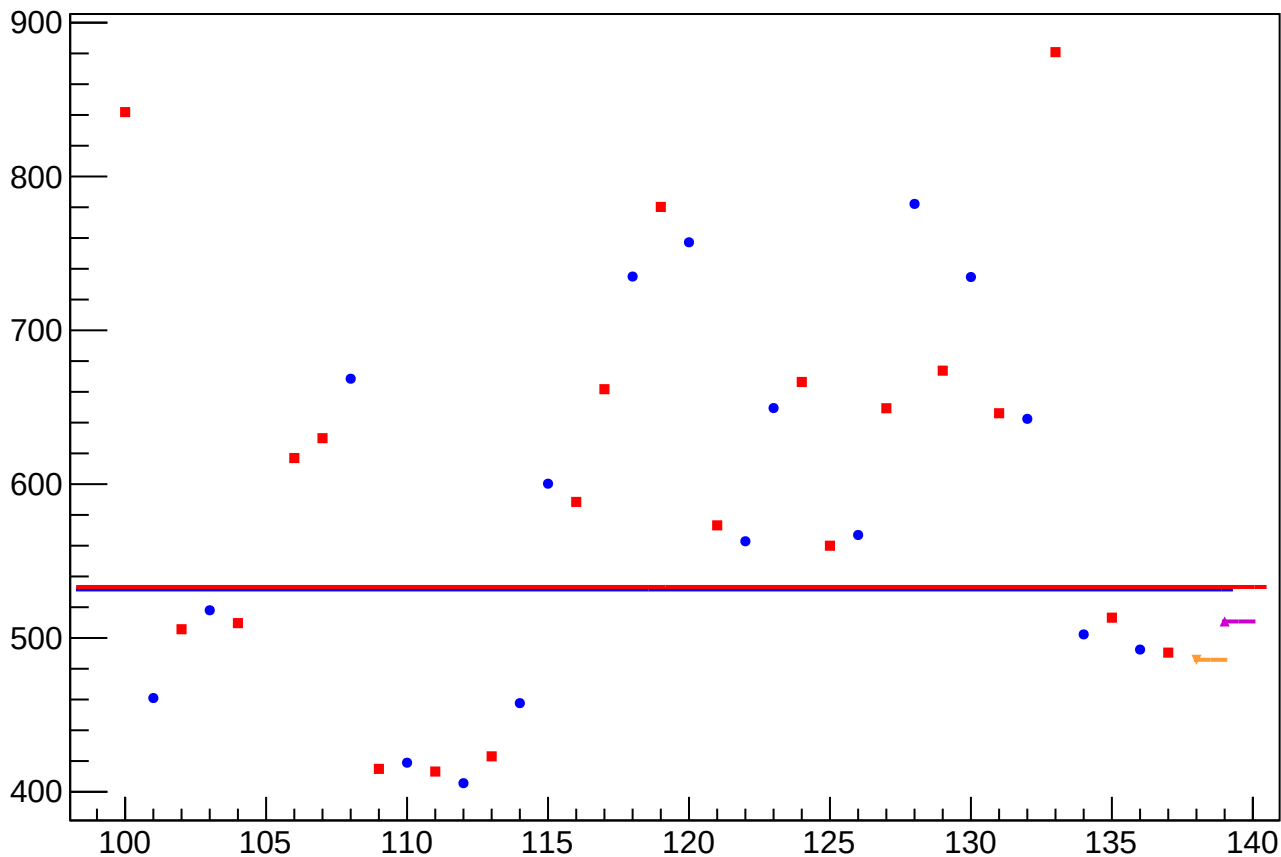
Left In: -1032.335+/-601.462 χ^2/NDF : 0.0/0

187.551+/-198.554 χ^2/NDF : 23.7/17

-137.082+/-138.706 χ^2/NDF : 42.3/38

-446.515+/-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: 485.828+/-0.405 χ^2/NDF : 0.0/0

Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

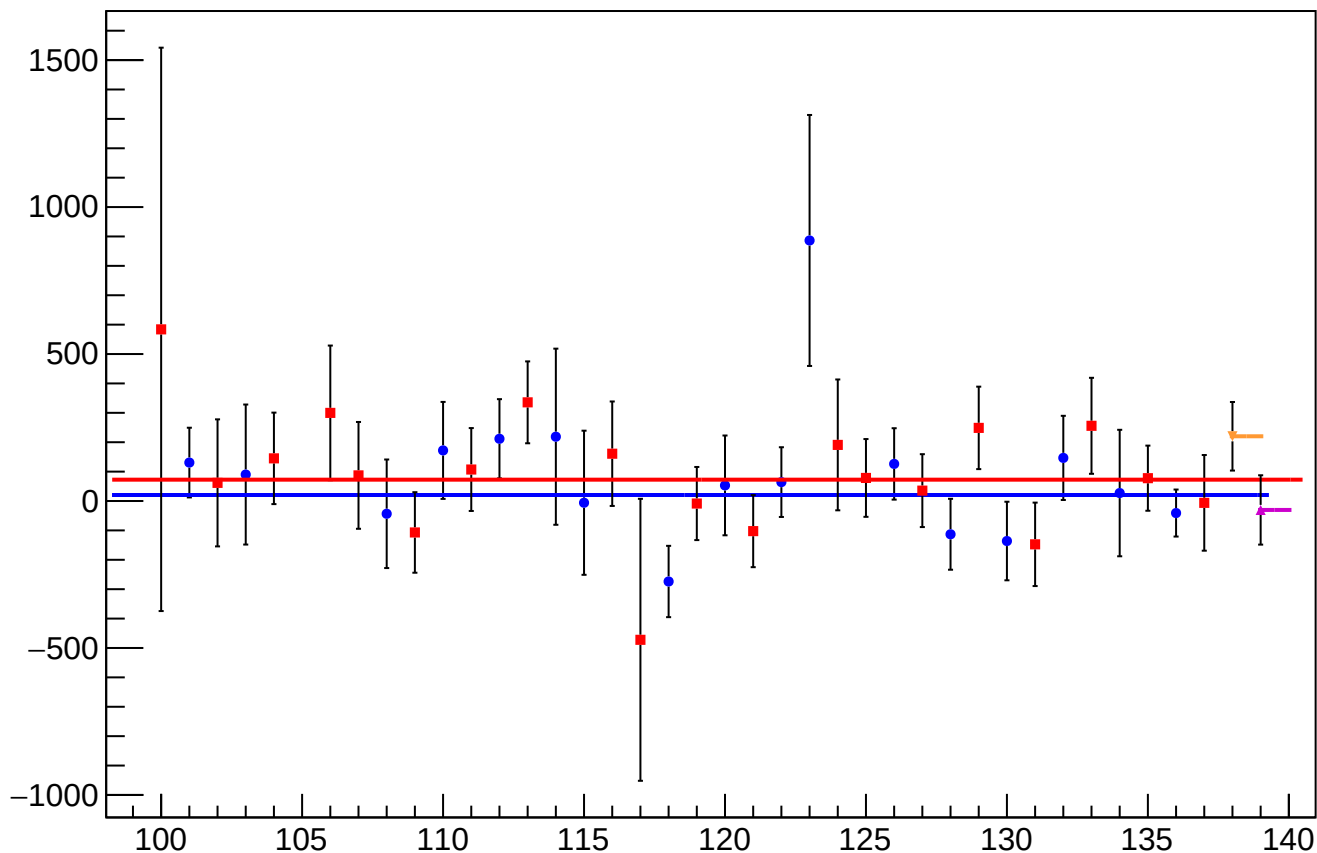
Left In: 510.745+/-0.425 χ^2/NDF : 0.0/0

526.066+/-0.140 χ^2/NDF : 561290.9/17

528.505+/-0.098 χ^2/NDF : 1183407.3/38

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: 220.206+/-116.646 χ^2/NDF : 0.0/0

Right Out: 72.603+/-34.608 χ^2/NDF : 16.7/19

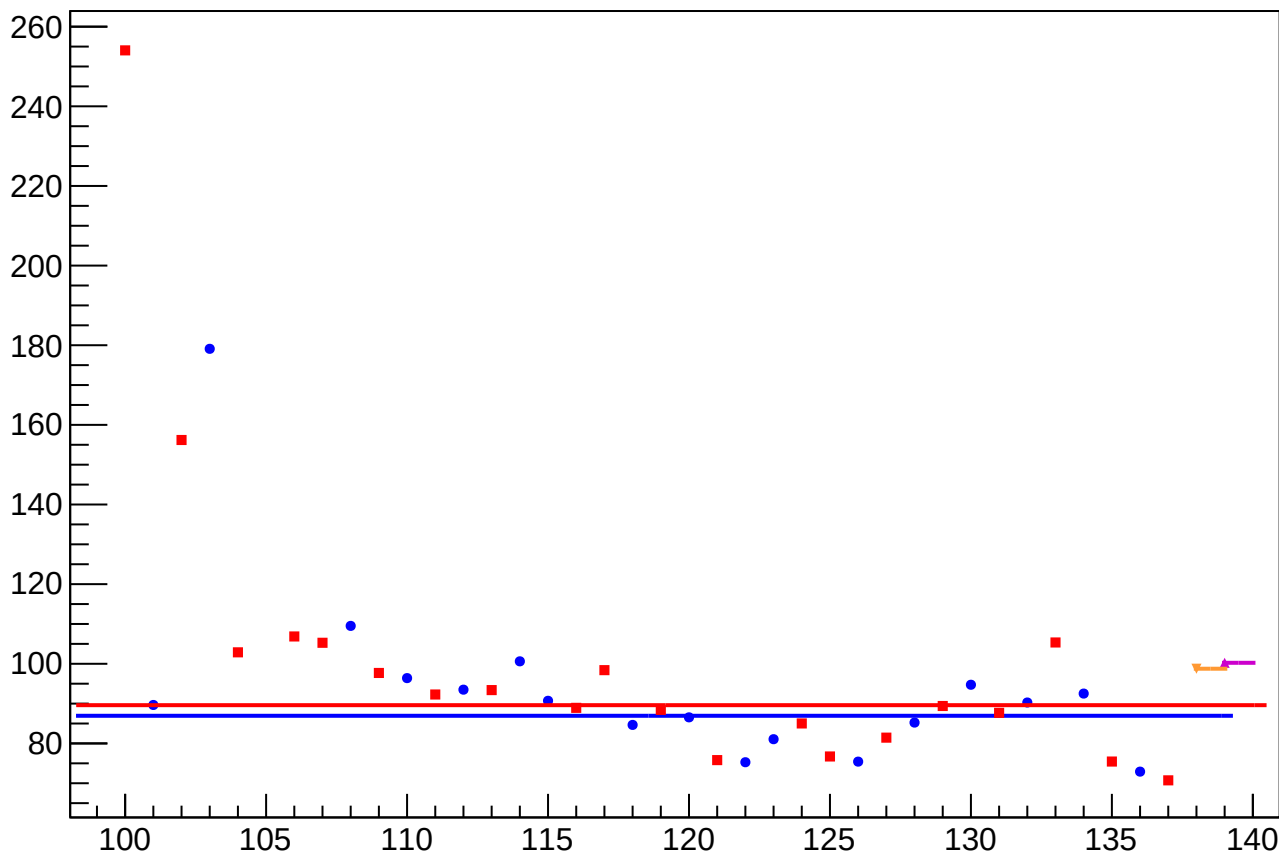
Left In: -30.408+/-117.961 χ^2/NDF : 0.0/0

36.581+/-33.157 χ^2/NDF : 22.0/17

50.489+/-23.464 χ^2/NDF : 39.7/38

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: 98.761+/-0.082 χ^2/NDF : 0.0/0

Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

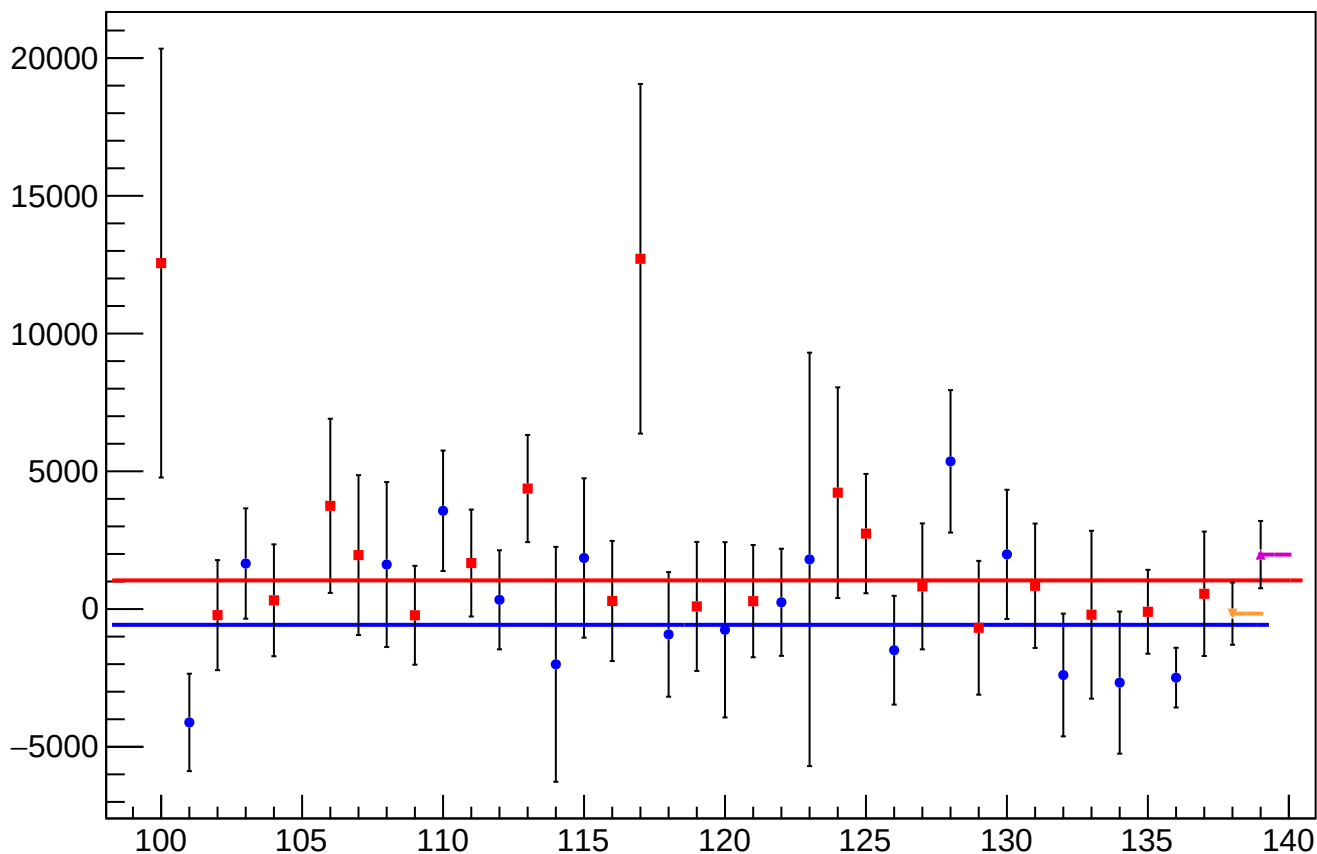
Left In: 100.247+/-0.083 χ^2/NDF : 0.0/0

87.897+/-0.023 χ^2/NDF : 474679.7/17

89.172+/-0.017 χ^2/NDF : 927484.6/38

90.450+/-0.023 χ^2/NDF : 446886.8/20

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342+/-517.020 χ^2/NDF : 21.9/16

Left Out: -165.654+/-1130.170 χ^2/NDF : 0.0/0

Right Out: 1040.618+/-512.937 χ^2/NDF : 13.5/19

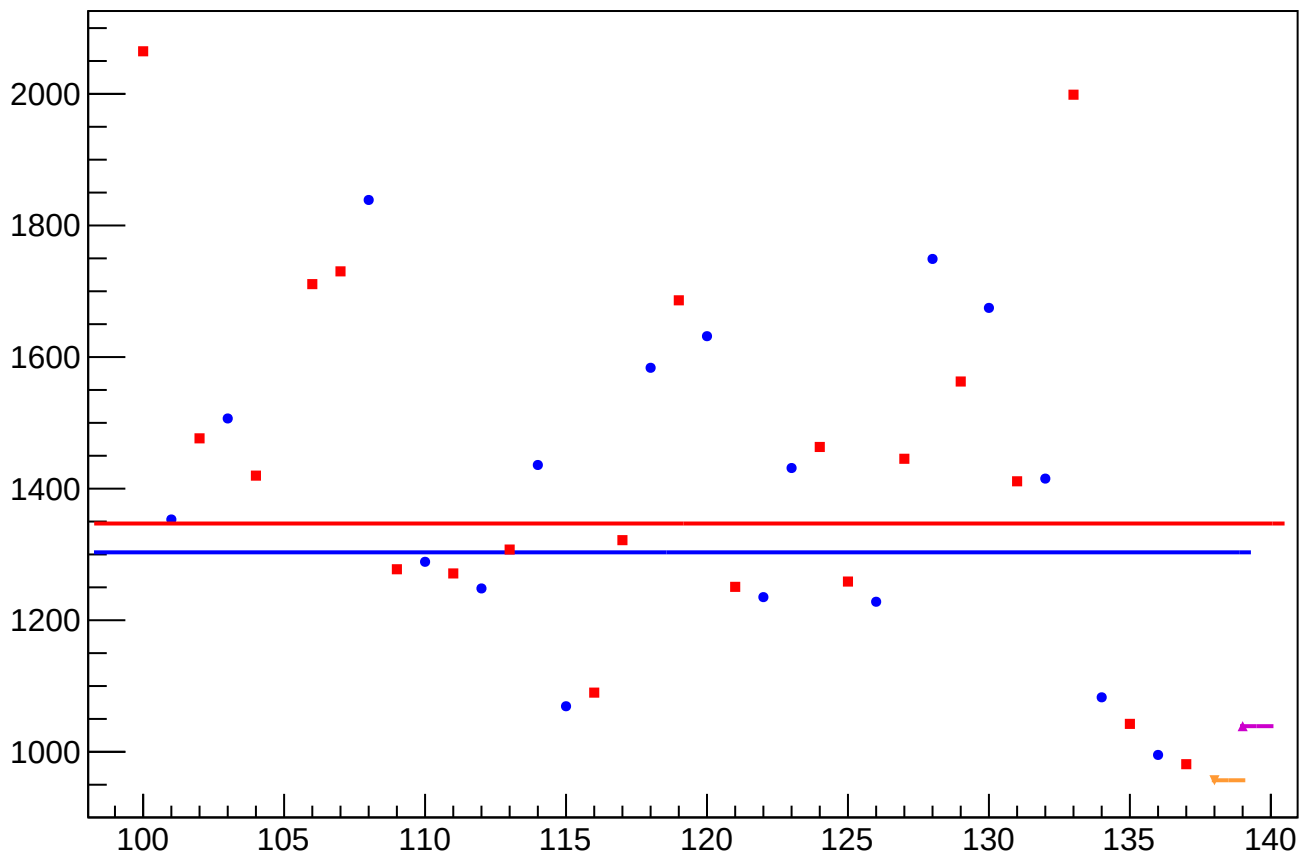
Left In: 1975.902+/-1222.110 χ^2/NDF : 0.0/0

-501.959+/-470.158 χ^2/NDF : 22.0/17

334.359+/-333.441 χ^2/NDF : 42.3/38

1180.701+/-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: 956.763+/-0.799 χ^2/NDF : 0.0/0

Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

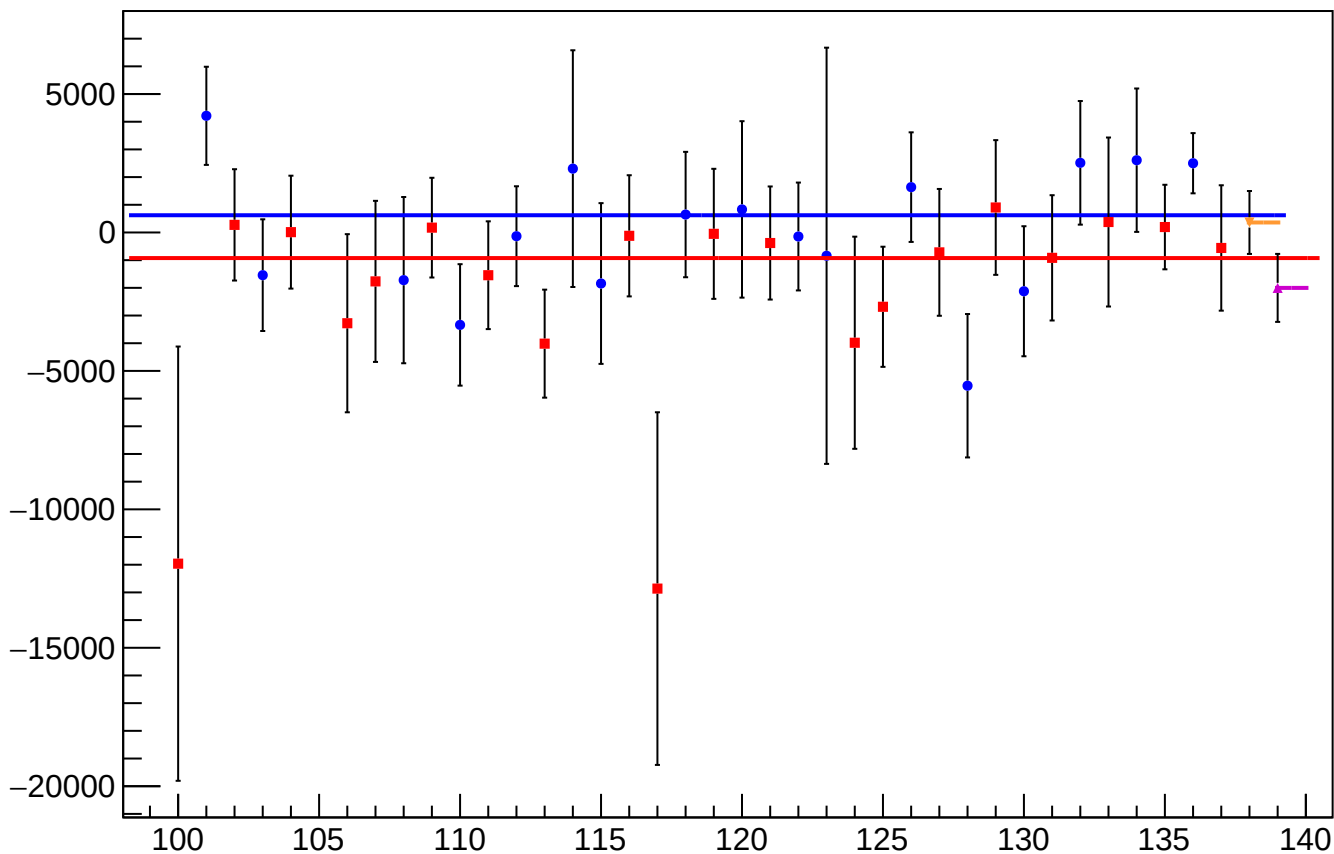
Left In: 1038.999+/-0.864 χ^2/NDF : 0.0/0

1243.246+/-0.332 χ^2/NDF : 607368.0/17

1271.890+/-0.236 χ^2/NDF : 1151123.7/38

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: 361.179+/-1136.306 χ^2/NDF : 0.0/0

Right Out: -924.488+/-514.636 χ^2/NDF : 12.6/19

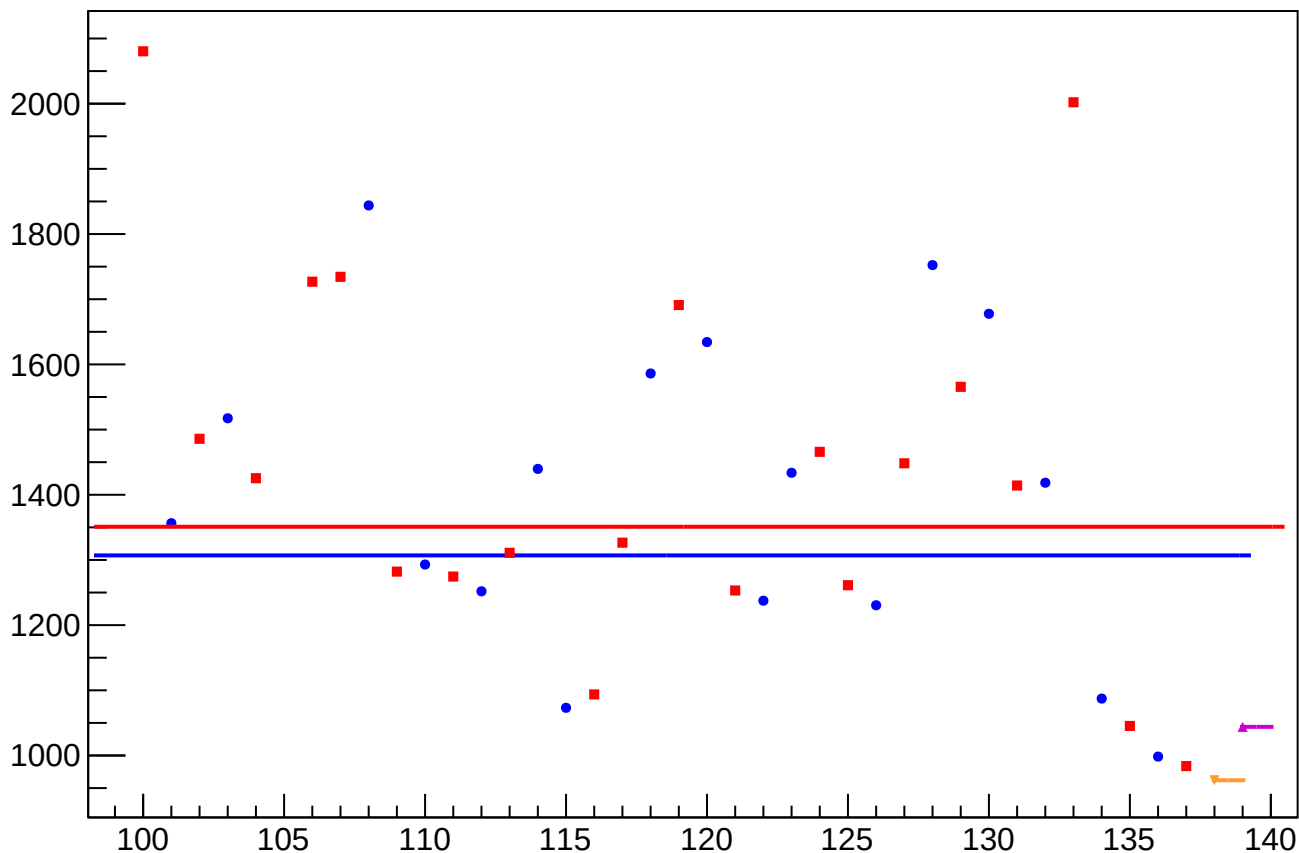
Left In: -2001.783+/-1227.895 χ^2/NDF : 0.0/0

577.394+/-471.709 χ^2/NDF : 22.0/17

-248.890+/-334.578 χ^2/NDF : 41.4/38

-1085.453+/-474.634 χ^2/NDF : 13.3/20

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 961.988+/-0.803 χ^2/NDF : 0.0/0

Right Out: 1350.936+/-0.364 χ^2/NDF : 421834.2/19

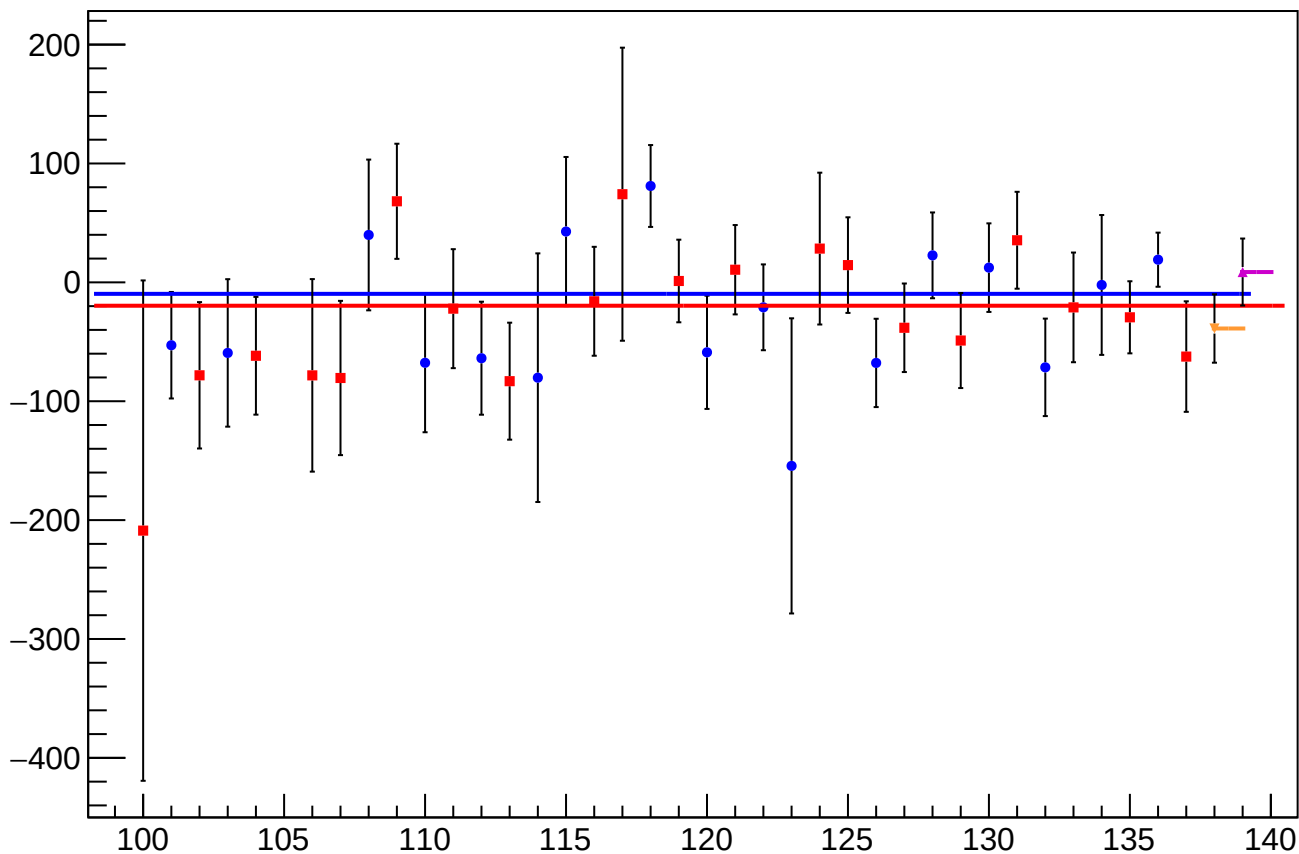
Left In: 1043.935+/-0.868 χ^2/NDF : 0.0/0

1247.528+/-0.334 χ^2/NDF : 603777.9/17

1276.119+/-0.237 χ^2/NDF : 1146740.1/38

1305.065+/-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 $\chi^2/\text{NDF}: 22.6/16$

Left Out: -38.812 ± 28.772 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -19.662 ± 10.406 $\chi^2/\text{NDF}: 15.2/19$

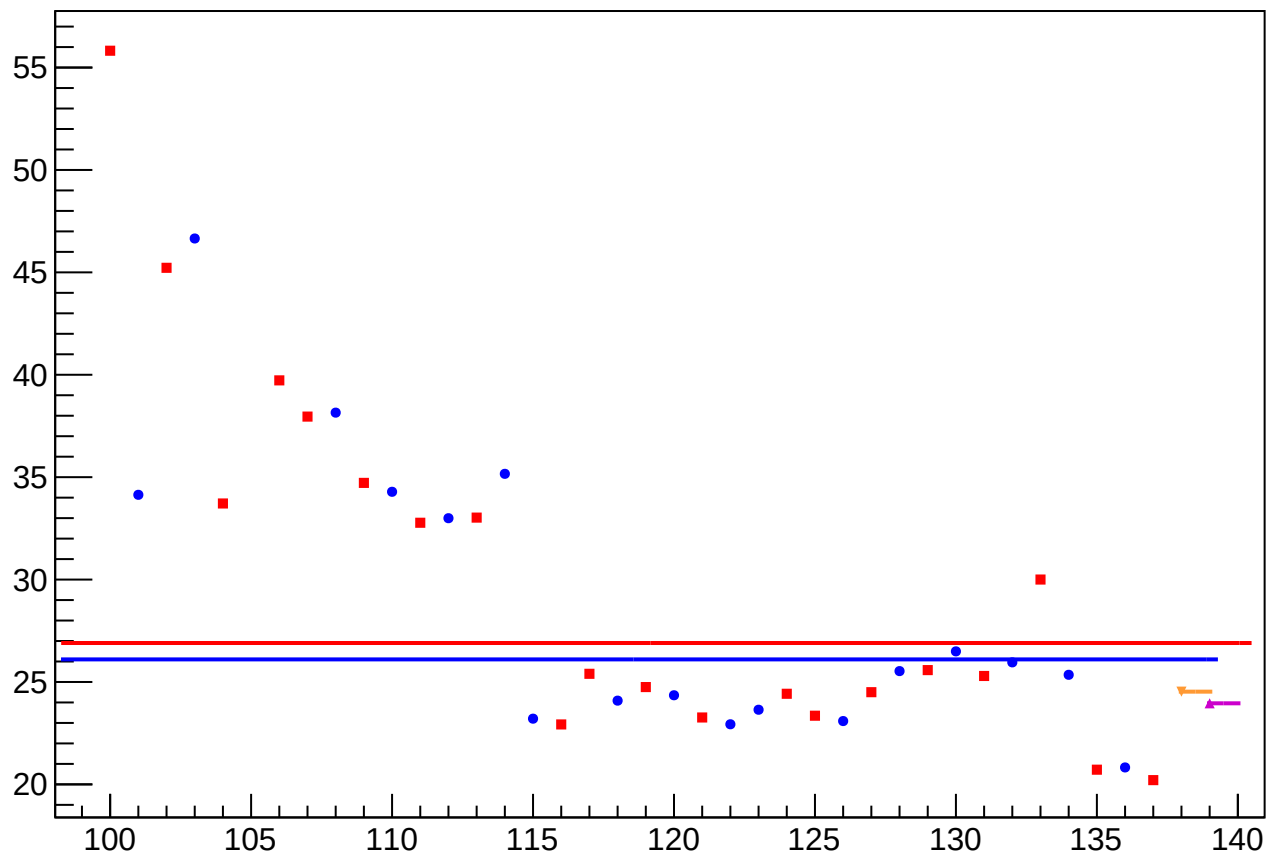
Left In: 8.672 ± 28.188 $\chi^2/\text{NDF}: 0.0/0$

-13.041 ± 9.787 $\chi^2/\text{NDF}: 23.5/17$

-14.656 ± 6.912 $\chi^2/\text{NDF}: 39.7/38$

-16.263 ± 9.762 $\chi^2/\text{NDF}: 16.1/20$

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: 24.528 $\pm$ 0.020 χ^2 /NDF:0.0/0

Right Out: 26.903 $\pm$ 0.007 χ^2 /NDF: 679269.9/19

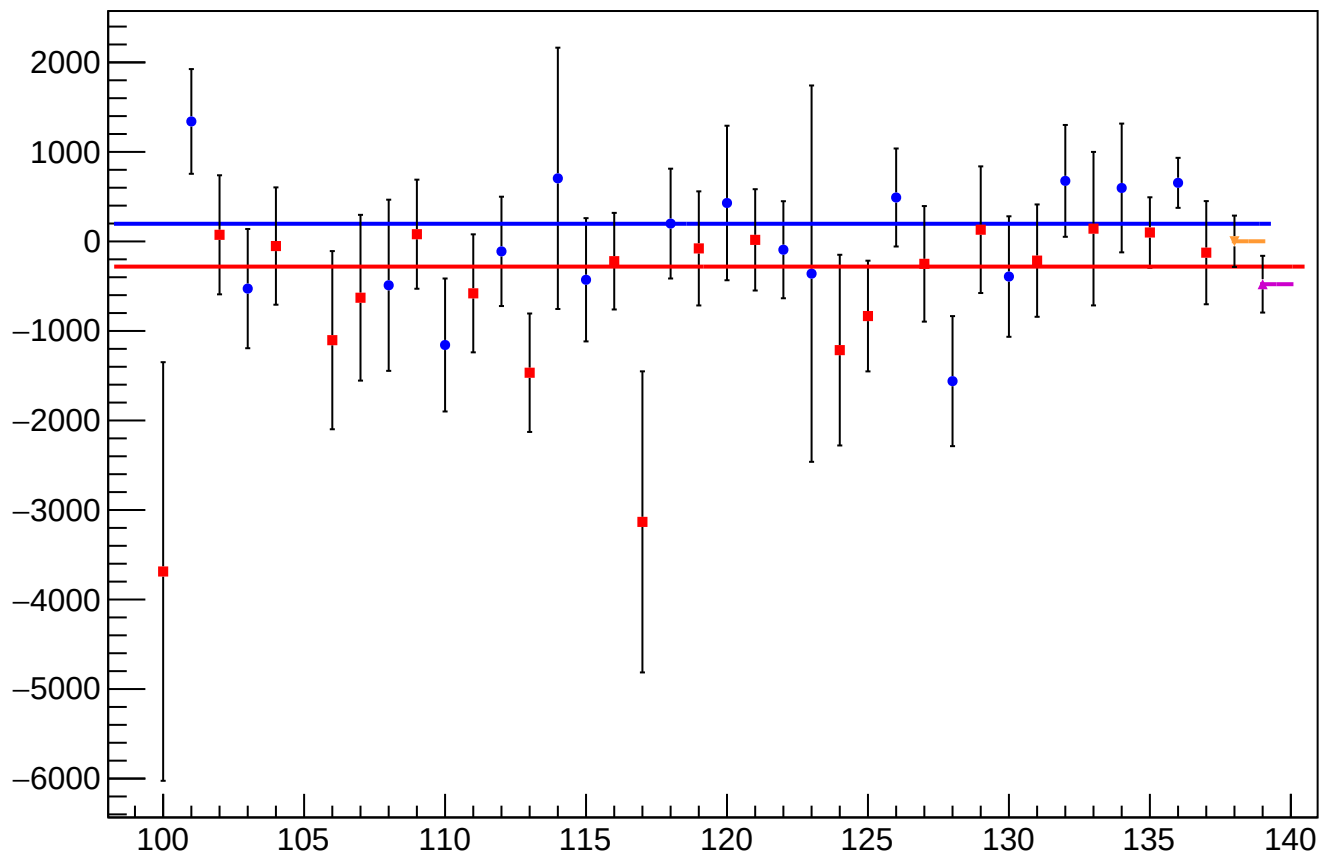
Left In: 23.958 $\pm$ 0.020 χ^2 /NDF:0.0/0

25.920 $\pm$ 0.007 χ^2 /NDF: 609337.0/17

26.236 $\pm$ 0.005 χ^2 /NDF: 1311961.9/38

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: 1.693 $\pm$ 286.902 χ^2 /NDF: 0.0/0

Right Out: -281.185 $\pm$ 149.275 χ^2 /NDF: 13.6/19

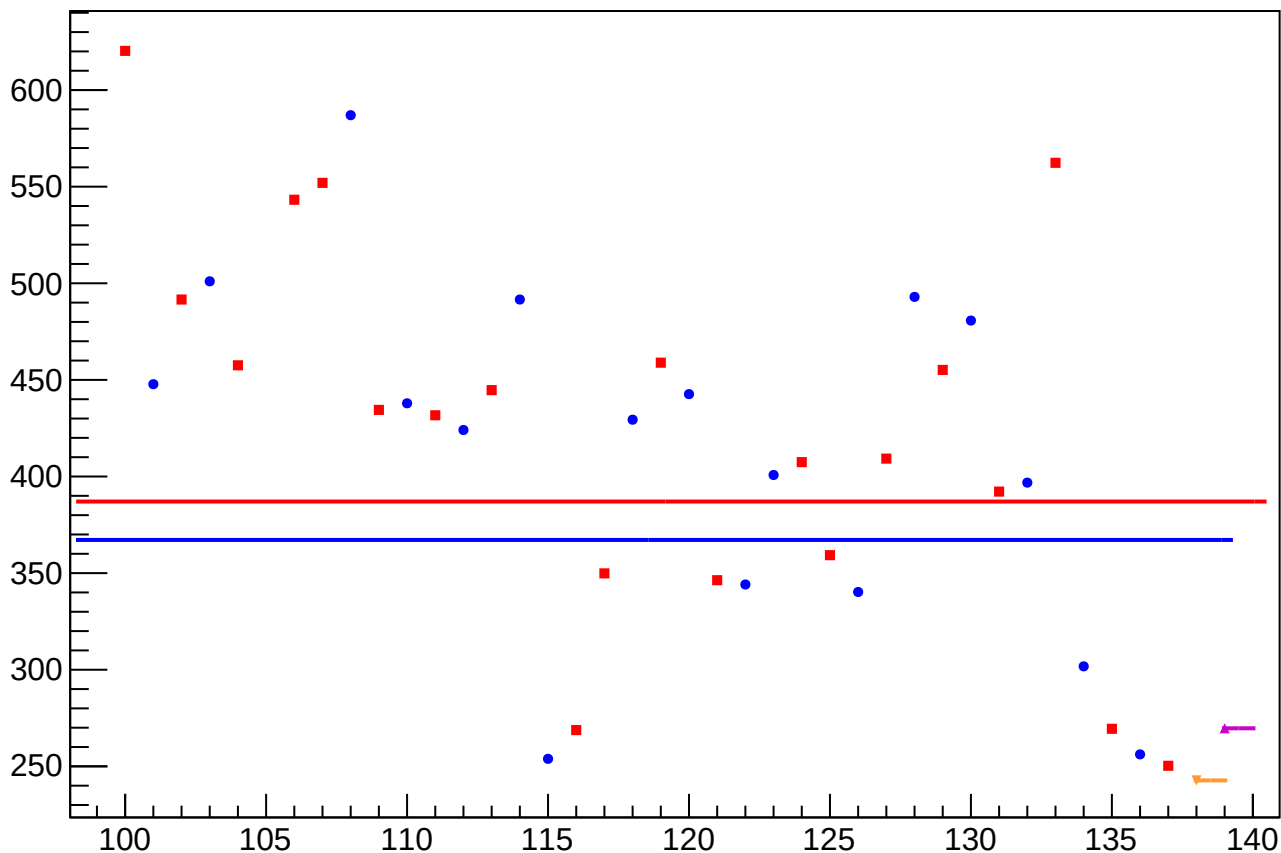
Left In: -477.697 $\pm$ 316.967 χ^2 /NDF: 0.0/0

156.261 $\pm$ 131.449 χ^2 /NDF: 21.3/17

-73.909 $\pm$ 94.195 χ^2 /NDF: 41.5/38

-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: 242.724 $\pm$ 0.203 χ^2 /NDF: 0.0/0

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

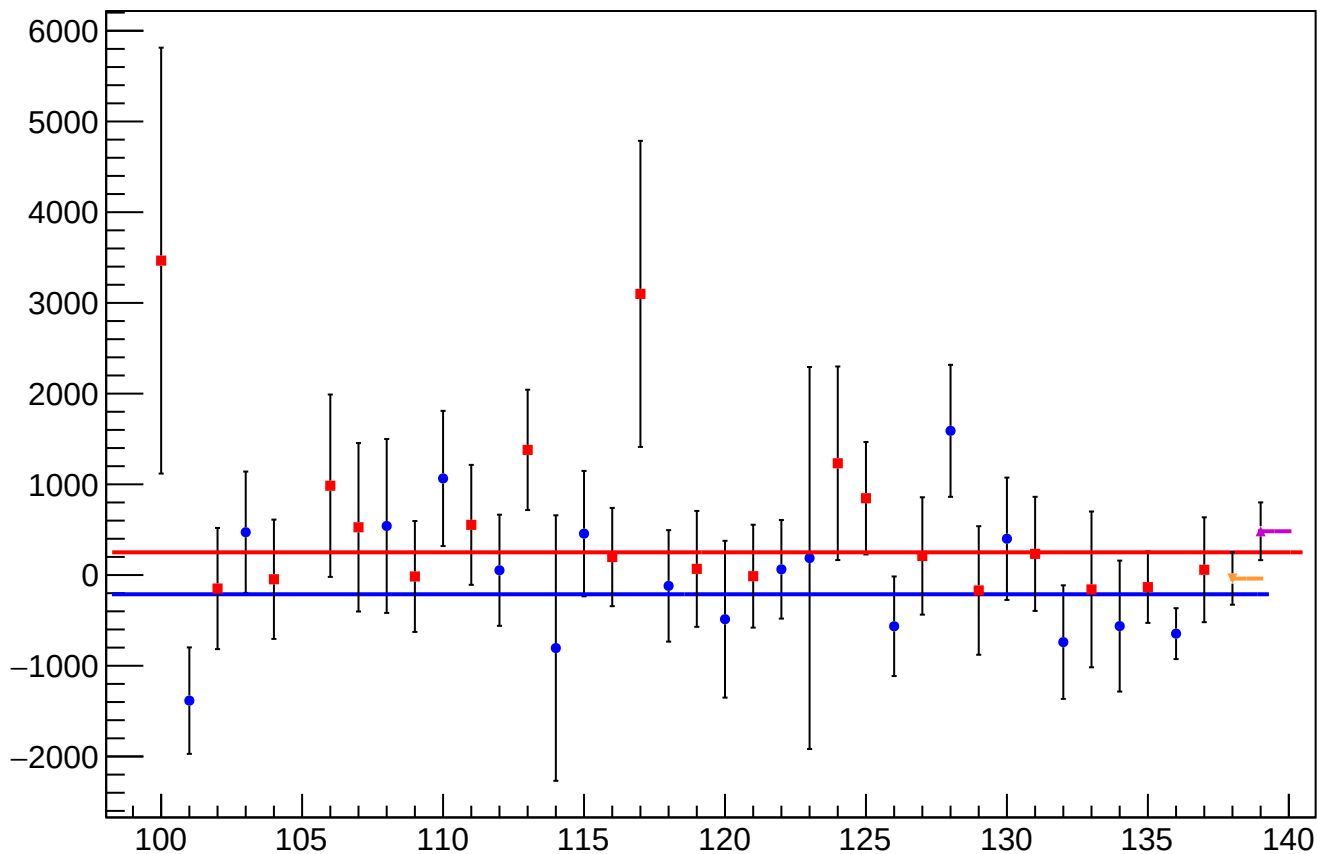
Left In: 269.687 $\pm$ 0.224 χ^2 /NDF: 0.0/0

341.055 $\pm$ 0.093 χ^2 /NDF: 1124498.4/17

353.066 $\pm$ 0.067 χ^2 /NDF: 2158785.5/38

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: -38.700+/-288.402 χ^2/NDF : 0.0/0

Right Out: 250.443+/-149.724 χ^2/NDF : 12.9/19

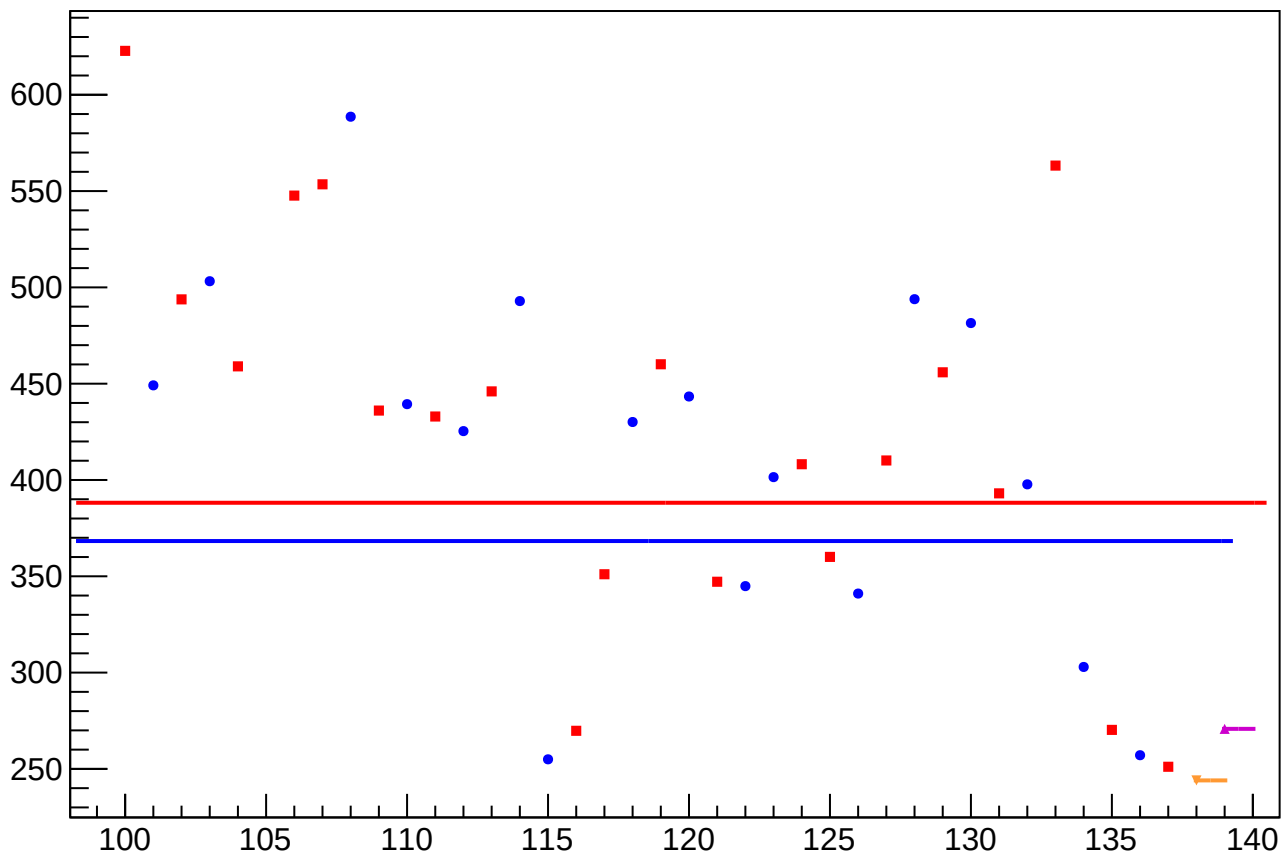
Left In: 482.535+/-318.256 χ^2/NDF : 0.0/0

-175.642+/-131.897 χ^2/NDF : 21.3/17

52.157+/-94.506 χ^2/NDF : 40.8/38

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: 244.026 $\pm$ 0.204 χ^2 /NDF: 0.0/0

Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

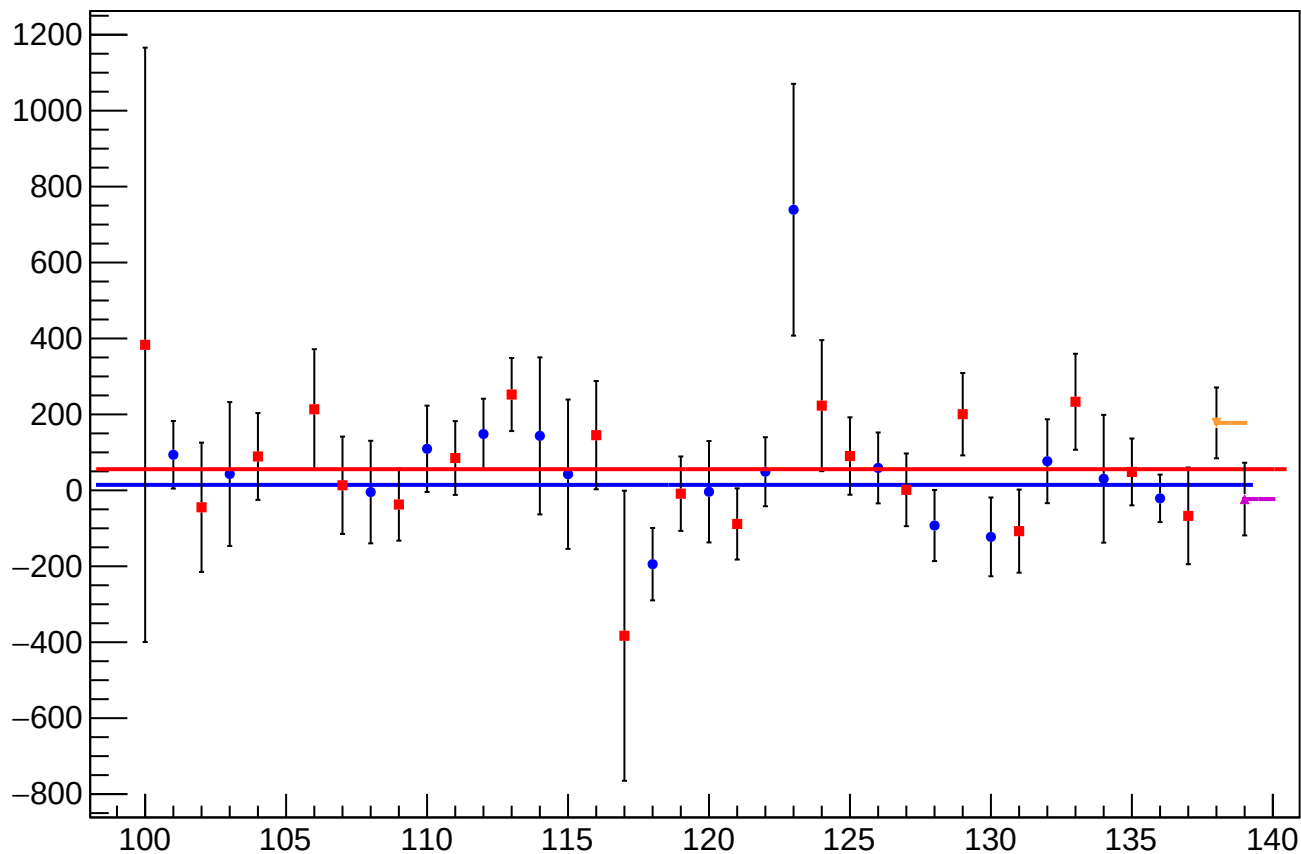
Left In: 270.789 $\pm$ 0.225 χ^2 /NDF: 0.0/0

342.309 $\pm$ 0.093 χ^2 /NDF: 1118311.9/17

354.277 $\pm$ 0.067 χ^2 /NDF: 2150640.3/38

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: 177.683+/-93.288 χ^2/NDF : 0.0/0

Right Out: 55.744+/-26.060 χ^2/NDF : 19.7/19

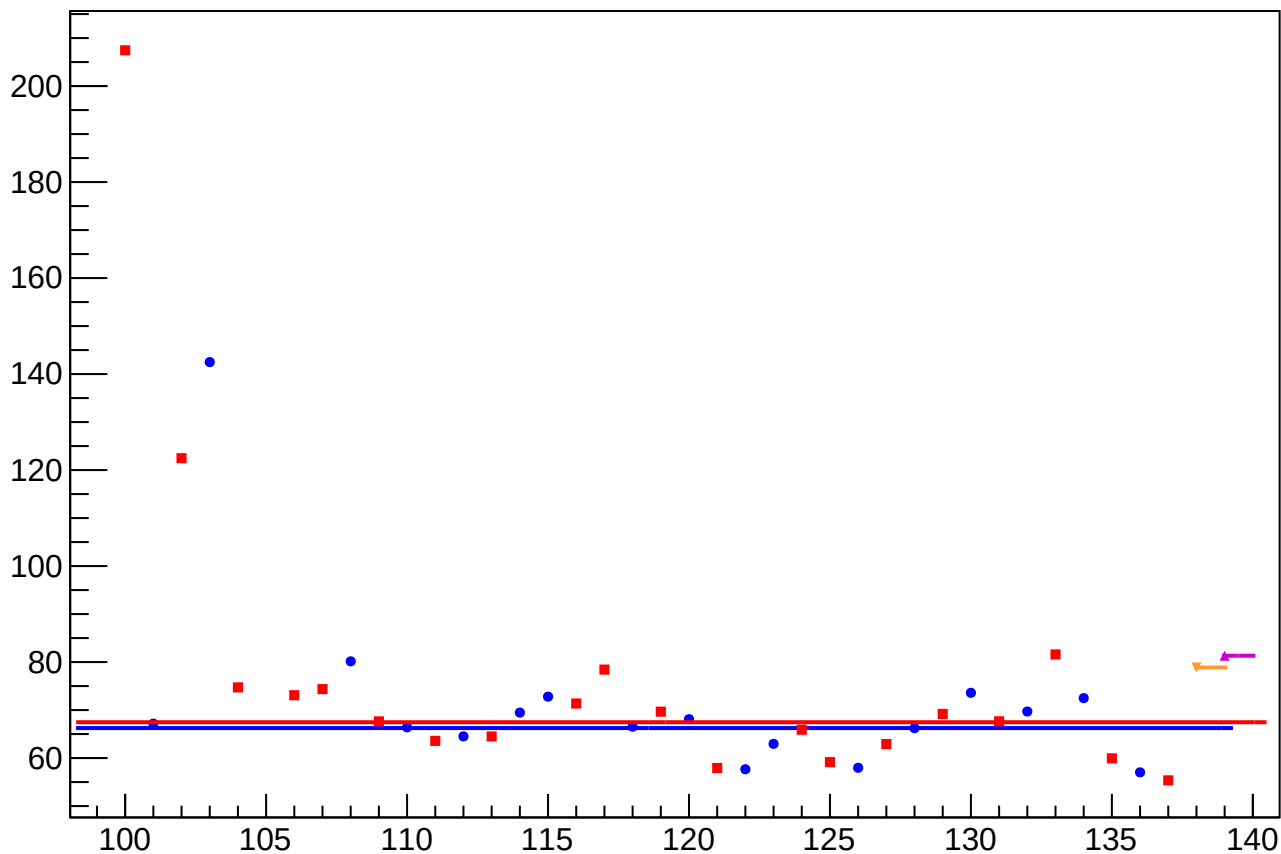
Left In: -22.950+/-95.700 χ^2/NDF : 0.0/0

26.437+/-25.343 χ^2/NDF : 20.5/17

38.468+/-17.850 χ^2/NDF : 41.3/38

50.311+/-25.145 χ^2/NDF : 20.4/20

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 78.872+/-0.066 χ^2/NDF : 0.0/0

Right Out: 67.466+/-0.018 χ^2/NDF : 395262.8/19

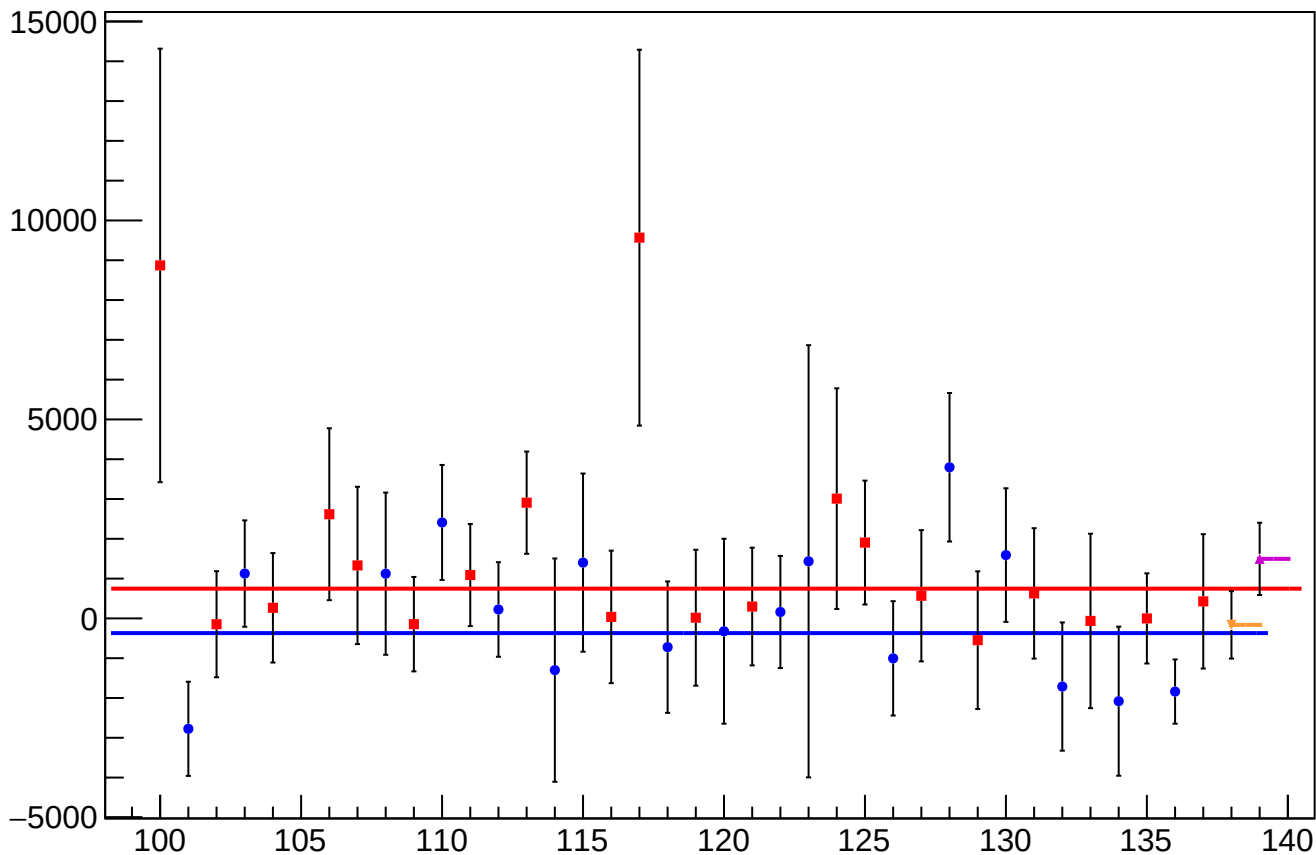
Left In: 81.320+/-0.068 χ^2/NDF : 0.0/0

67.179+/-0.018 χ^2/NDF : 474869.0/17

67.806+/-0.013 χ^2/NDF : 911575.8/38

68.423+/-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: -162.377+/-847.245 χ^2/NDF : 0.0/0

Right Out: 747.208+/-360.830 χ^2/NDF : 13.4/19

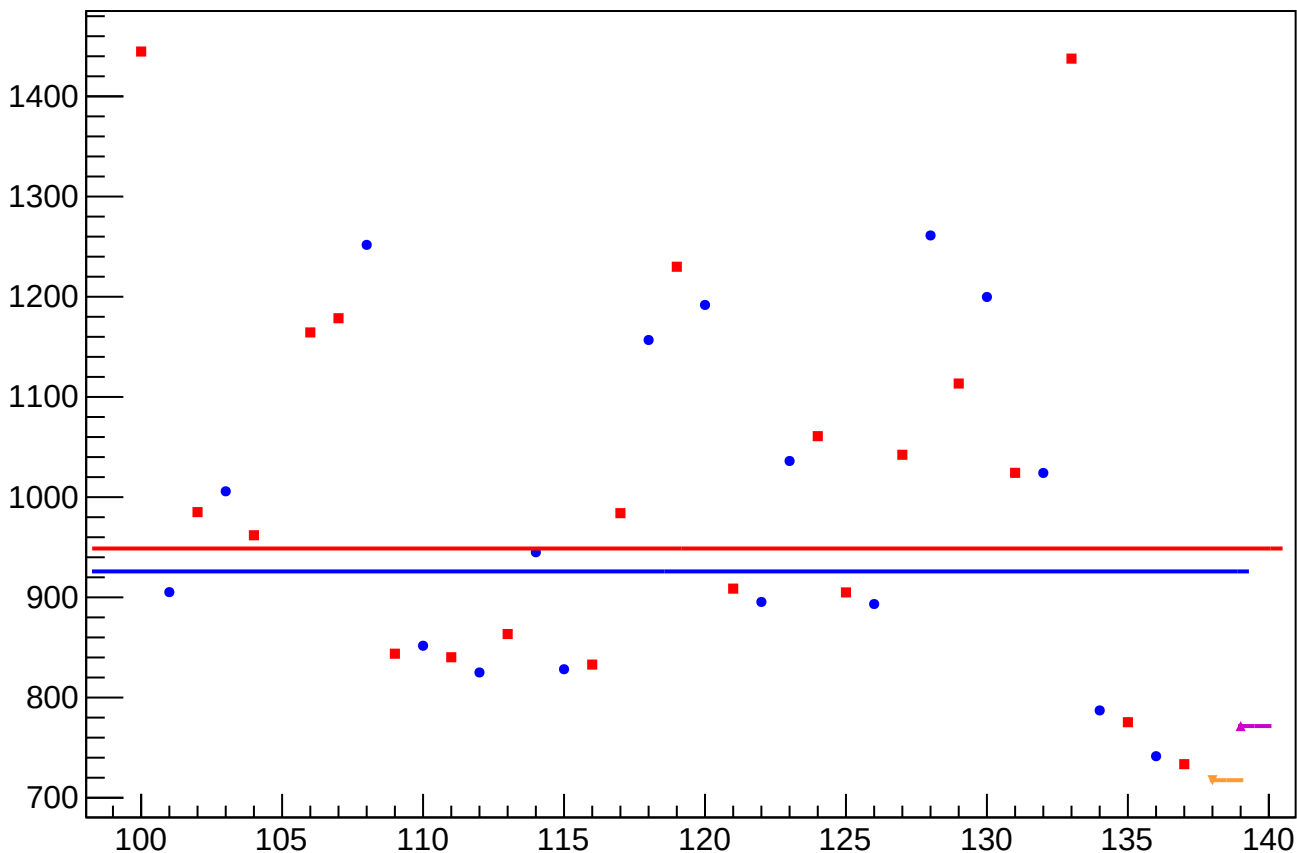
Left In: 1496.104+/-907.856 χ^2/NDF : 0.0/0

-336.900+/-336.325 χ^2/NDF : 22.3/17

258.017+/-237.460 χ^2/NDF : 42.6/38

849.371+/-335.316 χ^2/NDF : 14.0/20

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 717.529 $\pm$ 0.599 χ^2 /NDF: 0.0/0

Right Out: 948.760 $\pm$ 0.255 χ^2 /NDF: 382044.0/19

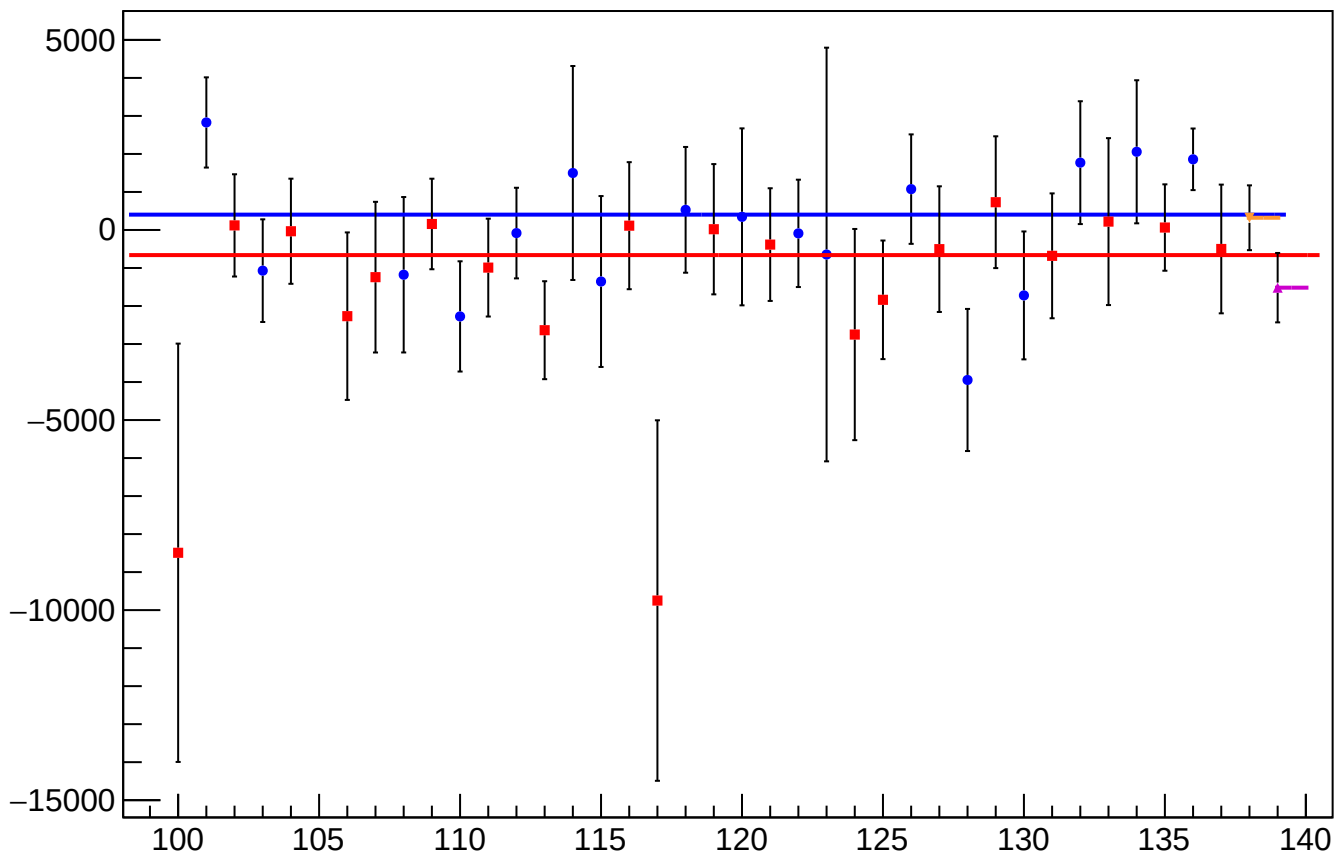
Left In: 771.561 $\pm$ 0.642 χ^2 /NDF: 0.0/0

893.052 $\pm$ 0.238 χ^2 /NDF: 492979.6/17

908.867 $\pm$ 0.168 χ^2 /NDF: 949640.0/38

924.586 $\pm$ 0.237 χ^2 /NDF: 447842.8/20

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591 $\pm$ 367.686 χ^2 /NDF: 22.4/16

Left Out: 321.504 $\pm$ 852.459 χ^2 /NDF:0.0/0

Right Out: -660.630 $\pm$ 362.265 χ^2 /NDF: 12.5/19

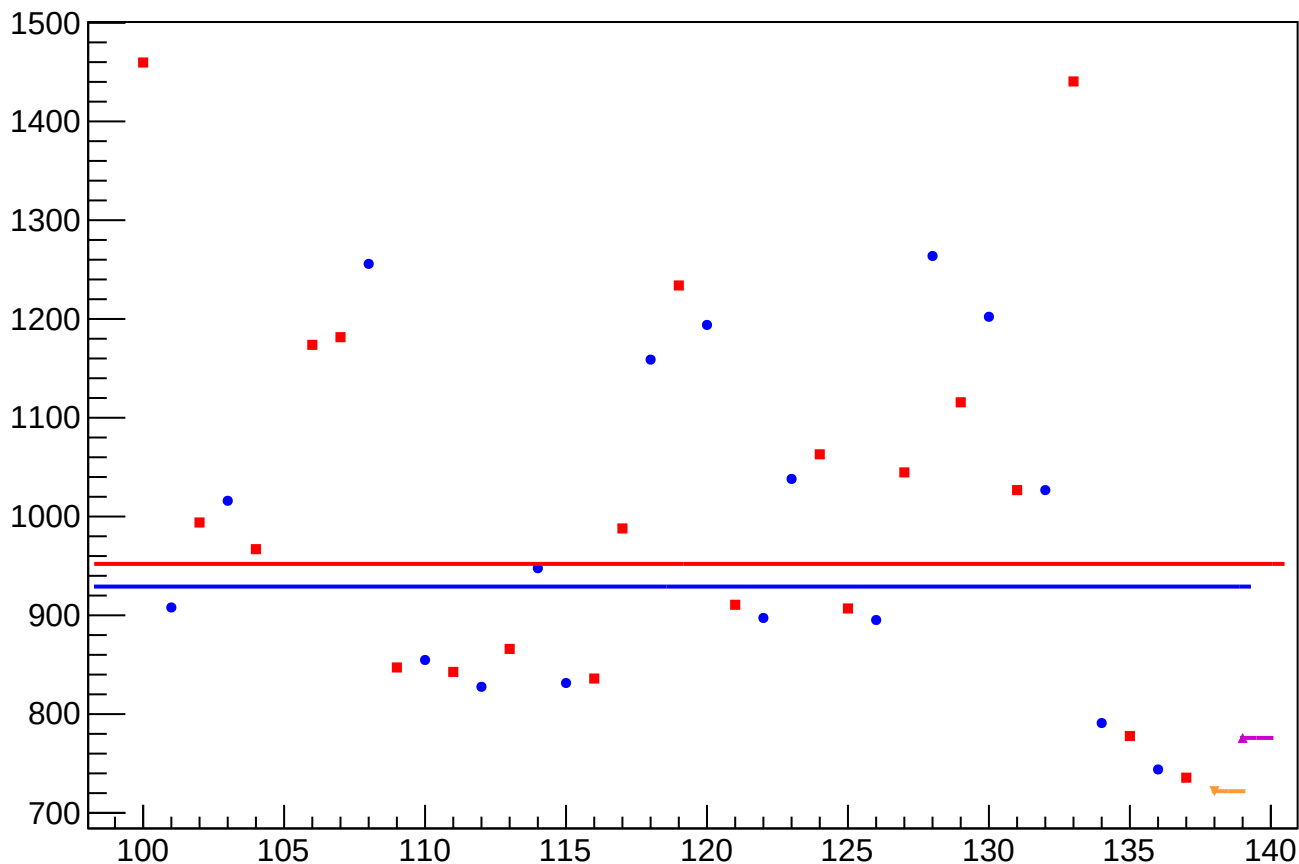
Left In: -1517.671 $\pm$ 912.952 χ^2 /NDF:0.0/0

390.715 $\pm$ 337.619 χ^2 /NDF: 22.4/17

-194.801 $\pm$ 238.416 χ^2 /NDF: 41.7/38

-777.219 $\pm$ 336.725 χ^2 /NDF: 13.3/20

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 721.950+/-0.603 χ^2/NDF : 0.0/0

Right Out: 952.057+/-0.256 χ^2/NDF : 382334.5/19

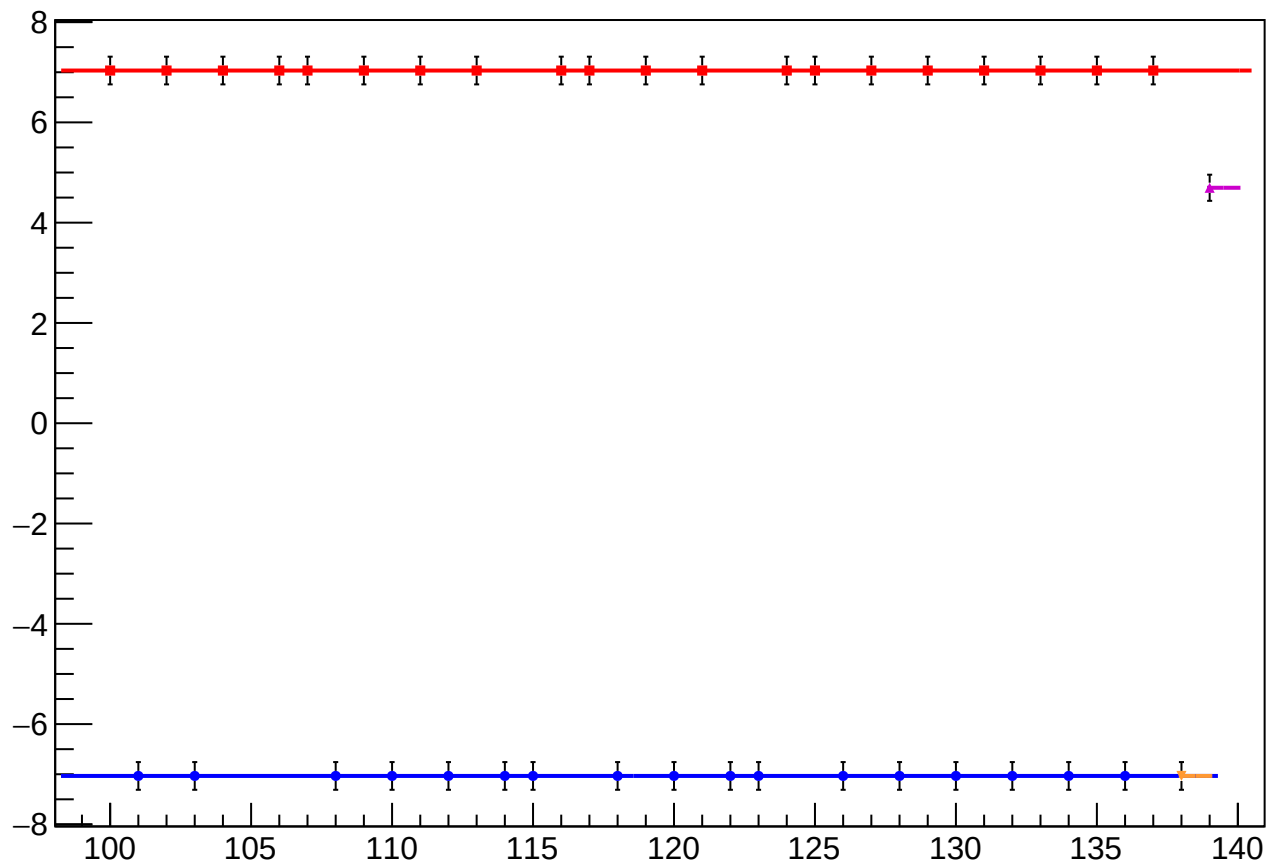
Left In: 775.905+/-0.646 χ^2/NDF : 0.0/0

896.604+/-0.239 χ^2/NDF : 489864.9/17

912.391+/-0.169 χ^2/NDF : 945251.5/38

928.094+/-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: -7.034 ± 0.276 χ^2/NDF : 0.0/0

Right Out: 7.034 ± 0.062 χ^2/NDF : 0.0/19

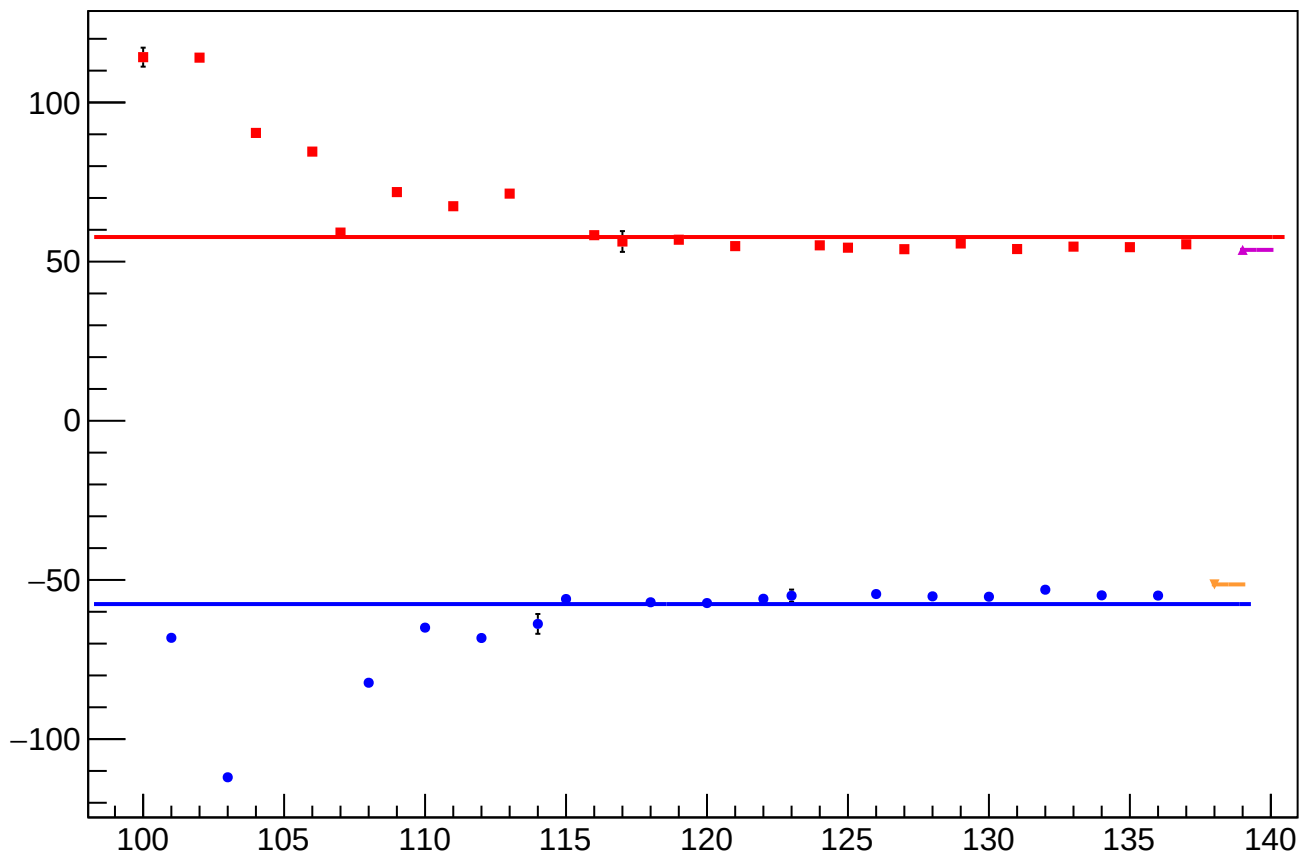
Left In: 4.696 ± 0.261 χ^2/NDF : 0.0/0

-7.034 ± 0.065 χ^2/NDF : 0.0/17

0.495 ± 0.044 χ^2/NDF : 24798.0/38

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: -51.404 ± 0.322 χ^2/NDF : 0.0/0

Right Out: 57.730 ± 0.143 χ^2/NDF : 4698.7/19

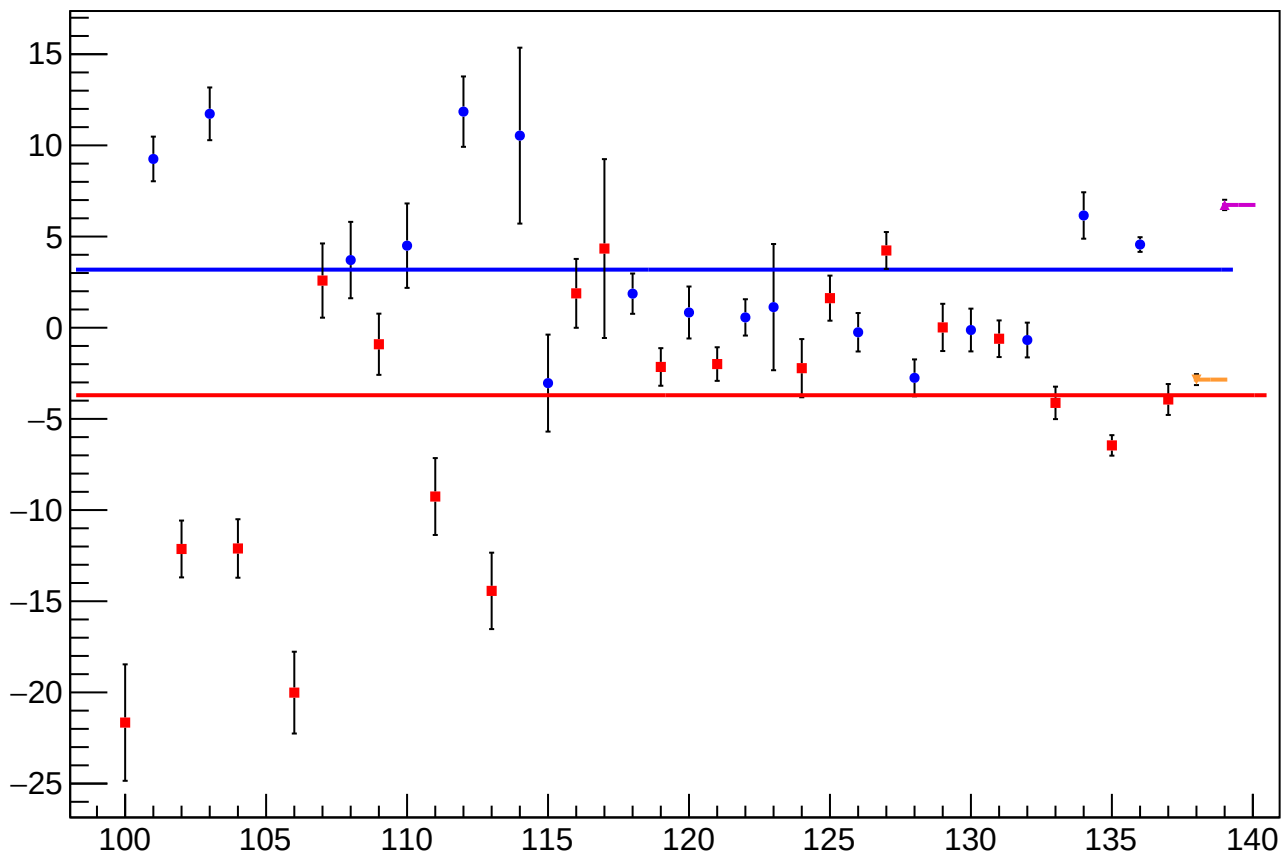
Left In: 53.693 ± 0.466 χ^2/NDF : 0.0/0

-56.564 ± 0.131 χ^2/NDF : 3762.3/17

-2.072 ± 0.094 χ^2/NDF : 371763.6/38

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 χ^2/NDF : 185.8/16

Left Out: -2.845 ± 0.300 χ^2/NDF : 0.0/0

Right Out: -3.702 ± 0.267 χ^2/NDF : 326.8/19

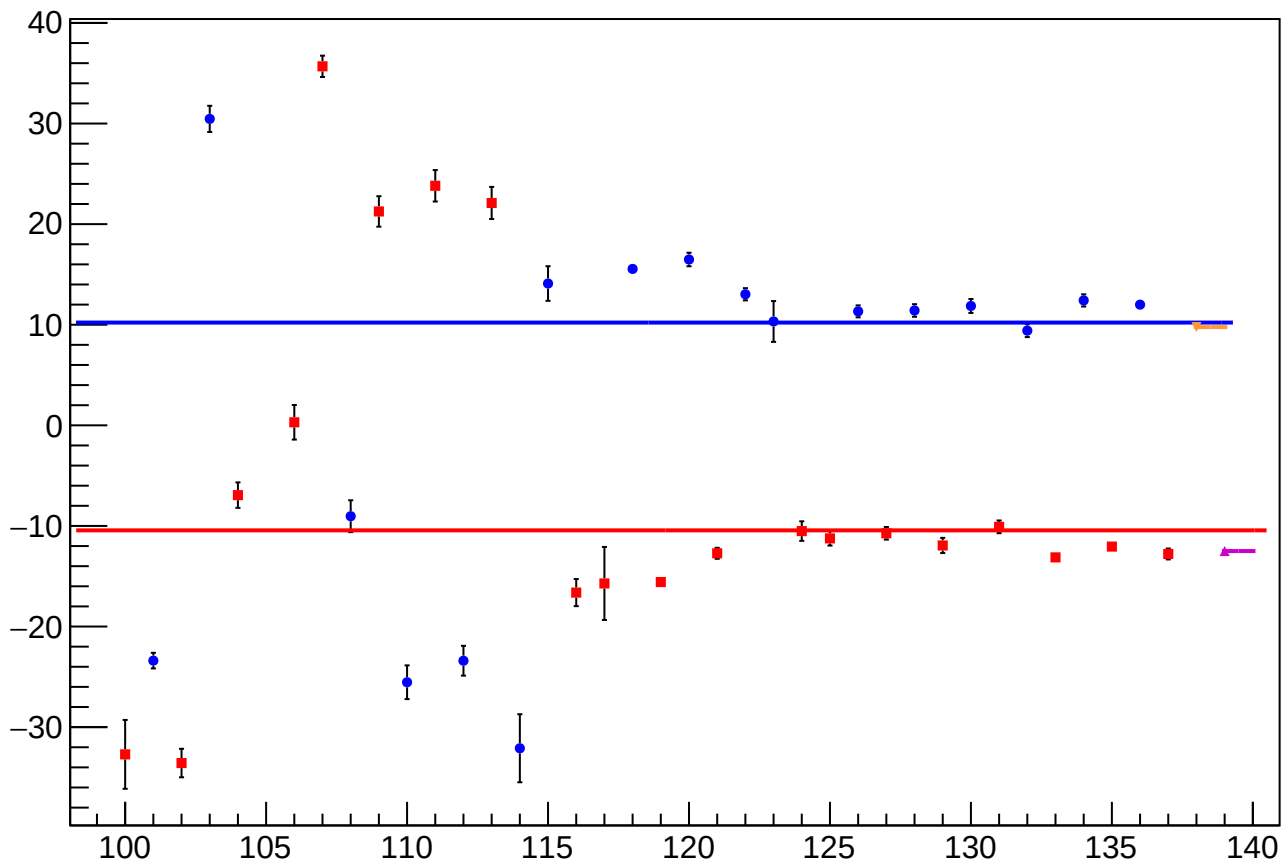
Left In: 6.734 ± 0.283 χ^2/NDF : 0.0/0

0.611 ± 0.196 χ^2/NDF : 417.2/17

0.921 ± 0.138 χ^2/NDF : 1469.3/38

1.224 ± 0.194 χ^2/NDF : 1047.1/20

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 $\pm$ 0.158 χ^2/NDF : 3692.6/16

Left Out: 9.767 $\pm$ 0.354 χ^2/NDF : 0.0/0

Right Out: -10.440 $\pm$ 0.160 χ^2/NDF : 3829.1/19

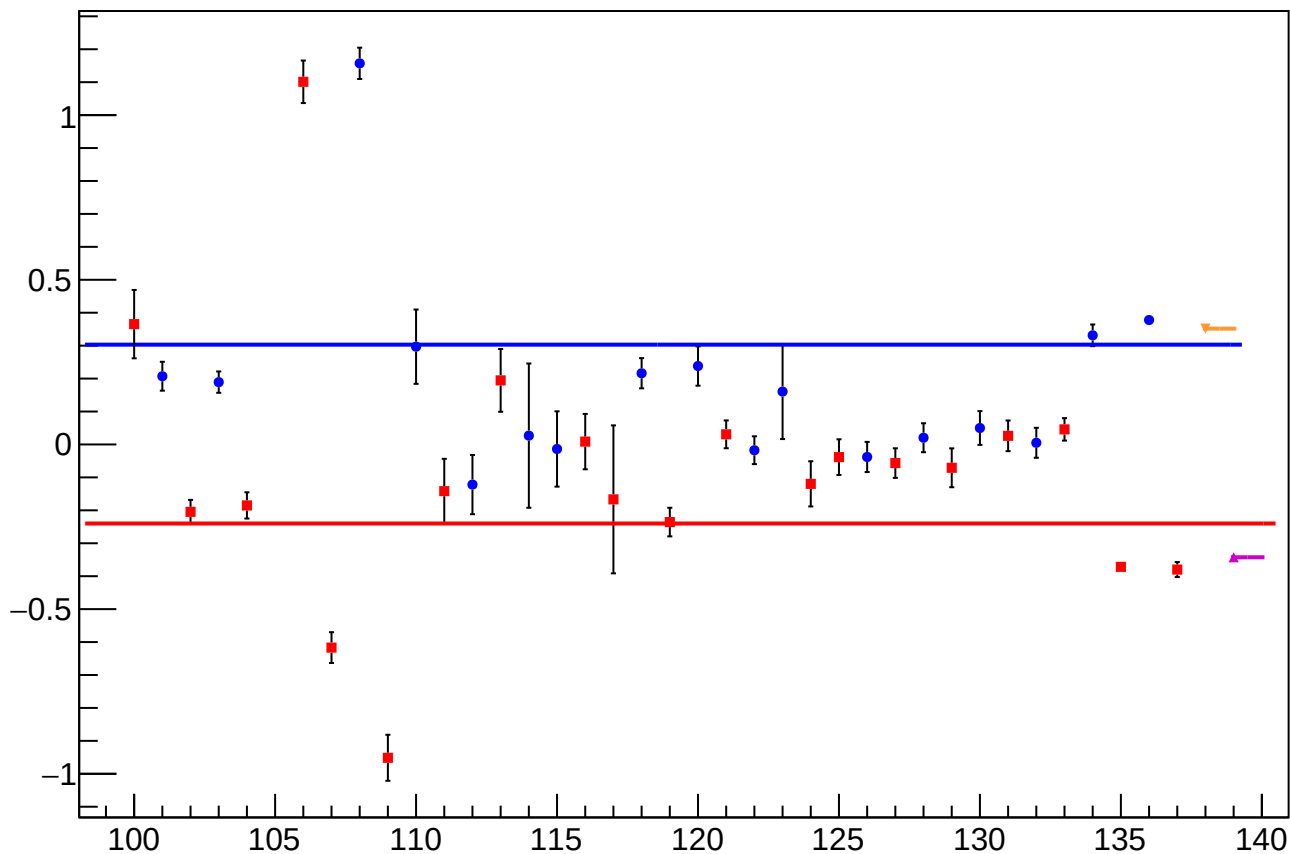
Left In: -12.496 $\pm$ 0.449 χ^2/NDF : 0.0/0

10.140 $\pm$ 0.144 χ^2/NDF : 3694.0/17

0.176 $\pm$ 0.104 χ^2/NDF : 17497.7/38

-10.672 $\pm$ 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: 0.352 $\pm$ 0.012 χ^2 /NDF: 0.0/0

Right Out: -0.240 $\pm$ 0.009 χ^2 /NDF: 984.5/19

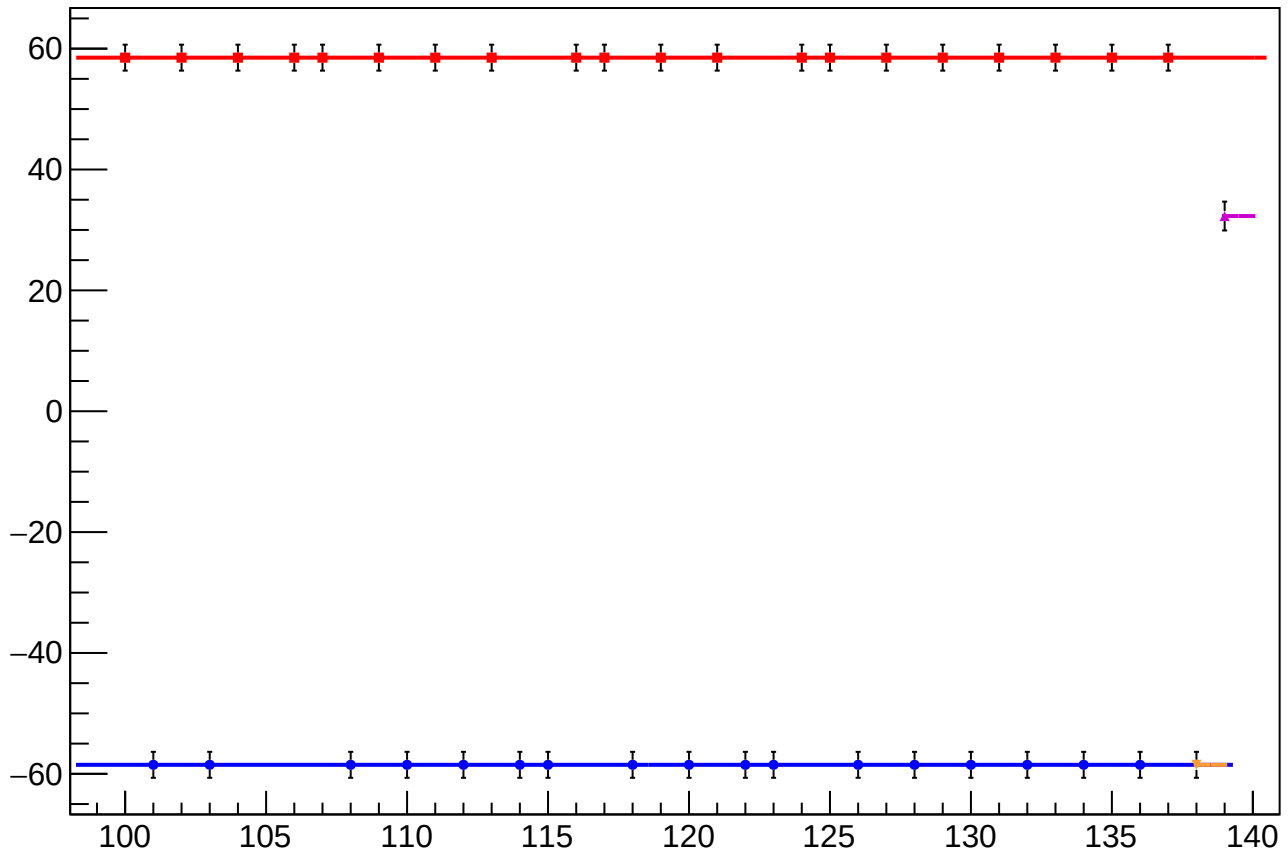
Left In: -0.343 $\pm$ 0.010 χ^2 /NDF: 0.0/0

0.319 $\pm$ 0.007 χ^2 /NDF: 658.1/17

0.008 $\pm$ 0.005 χ^2 /NDF: 5908.1/38

-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: -58.509 ± 2.148 χ^2/NDF : 0.0/0

Right Out: 58.509 ± 0.480 χ^2/NDF : 0.0/19

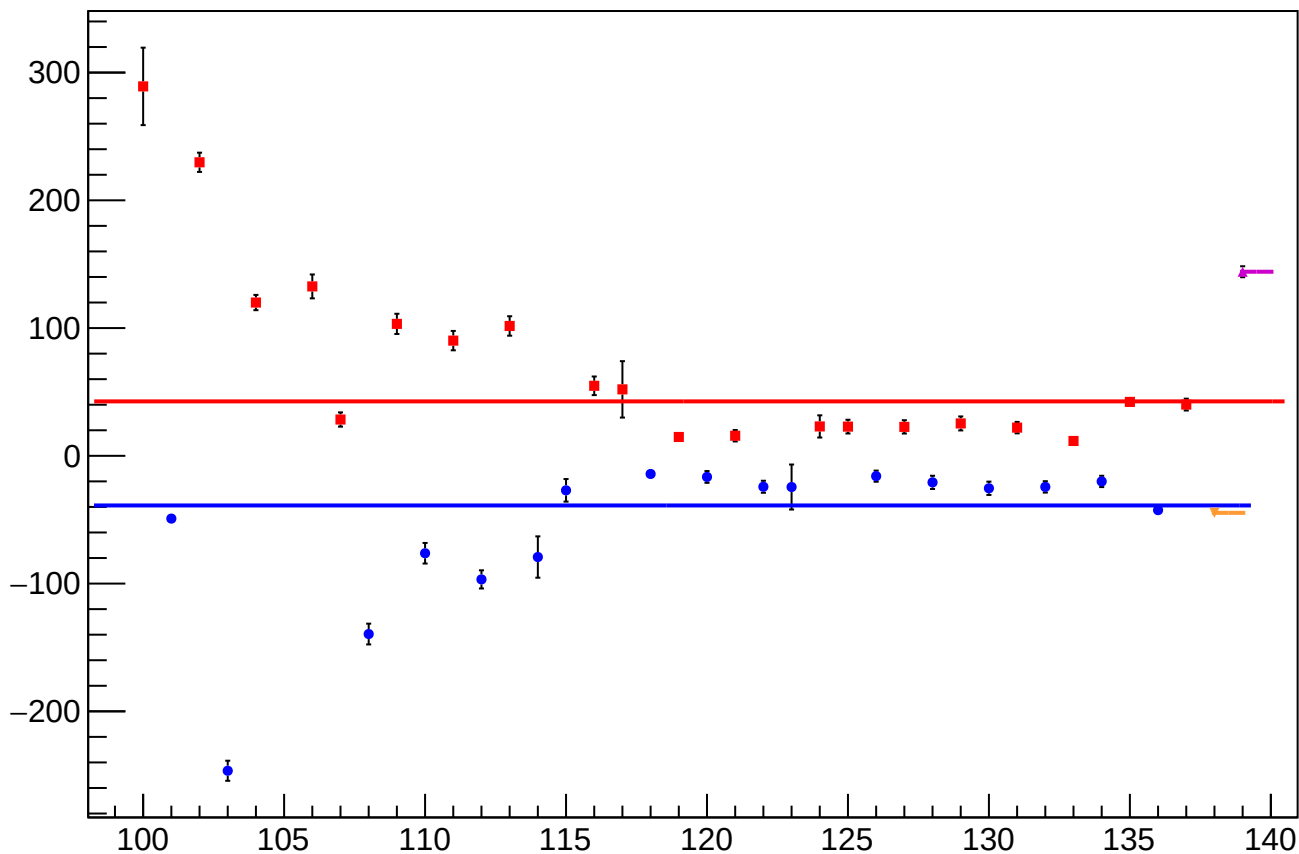
Left In: 32.300 ± 2.387 χ^2/NDF : 0.0/0

-58.509 ± 0.506 χ^2/NDF : 0.0/17

3.689 ± 0.345 χ^2/NDF : 28255.0/38

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: -44.638 ± 2.106 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 42.614 ± 1.208 $\chi^2/\text{NDF}: 1345.9/19$

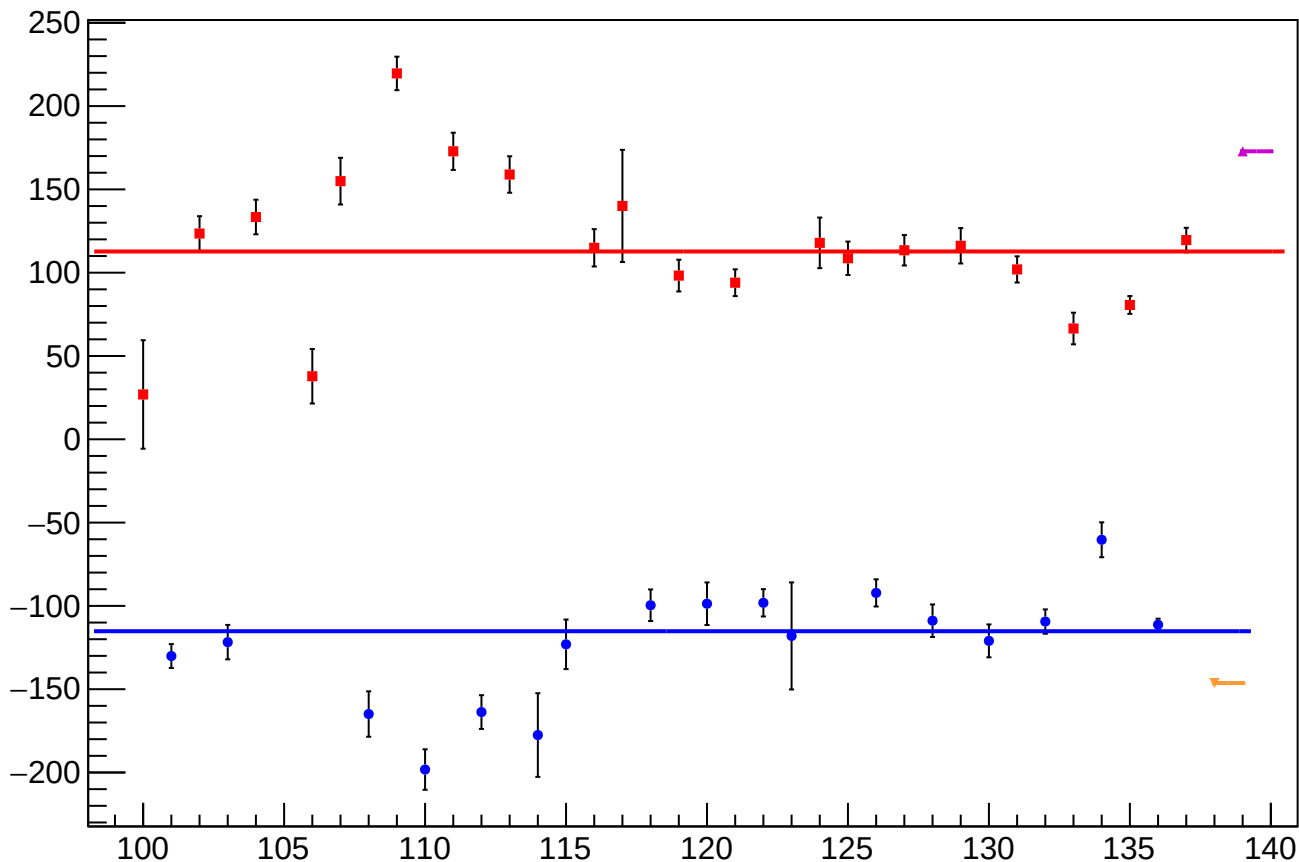
Left In: 144.093 ± 4.281 $\chi^2/\text{NDF}: 0.0/0$

-40.172 ± 1.008 $\chi^2/\text{NDF}: 1127.8/17$

-1.434 ± 0.762 $\chi^2/\text{NDF}: 6433.9/38$

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: -146.314+/-2.329 χ^2/NDF : 0.0/0

Right Out: 112.729+/-2.205 χ^2/NDF : 273.1/19

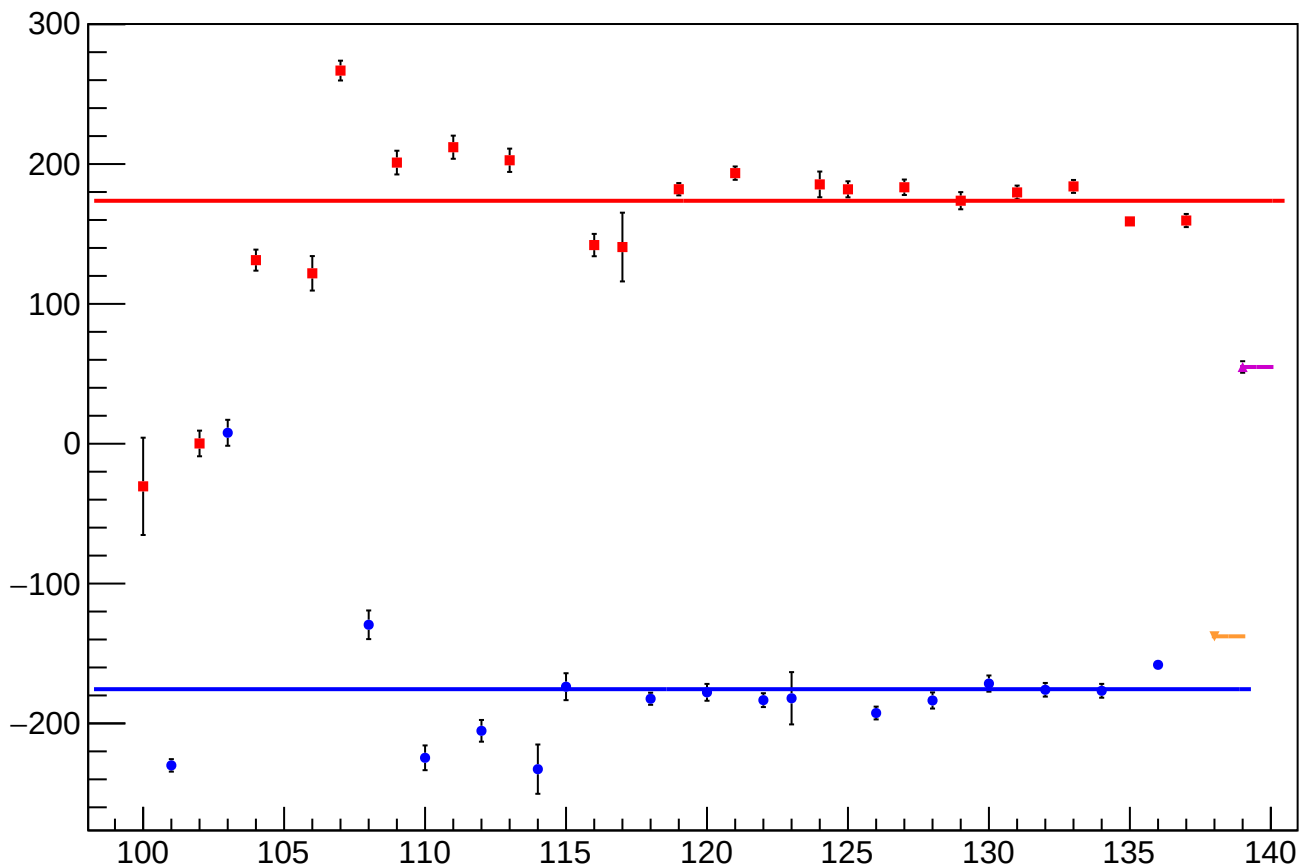
Left In: 172.856+/-2.587 χ^2/NDF : 0.0/0

-129.016+/-1.552 χ^2/NDF : 240.0/17

-5.892+/-1.139 χ^2/NDF : 14478.1/38

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: -137.730 ± 2.424 χ^2/NDF : 0.0/0

Right Out: 173.729 ± 1.354 χ^2/NDF : 739.7/19

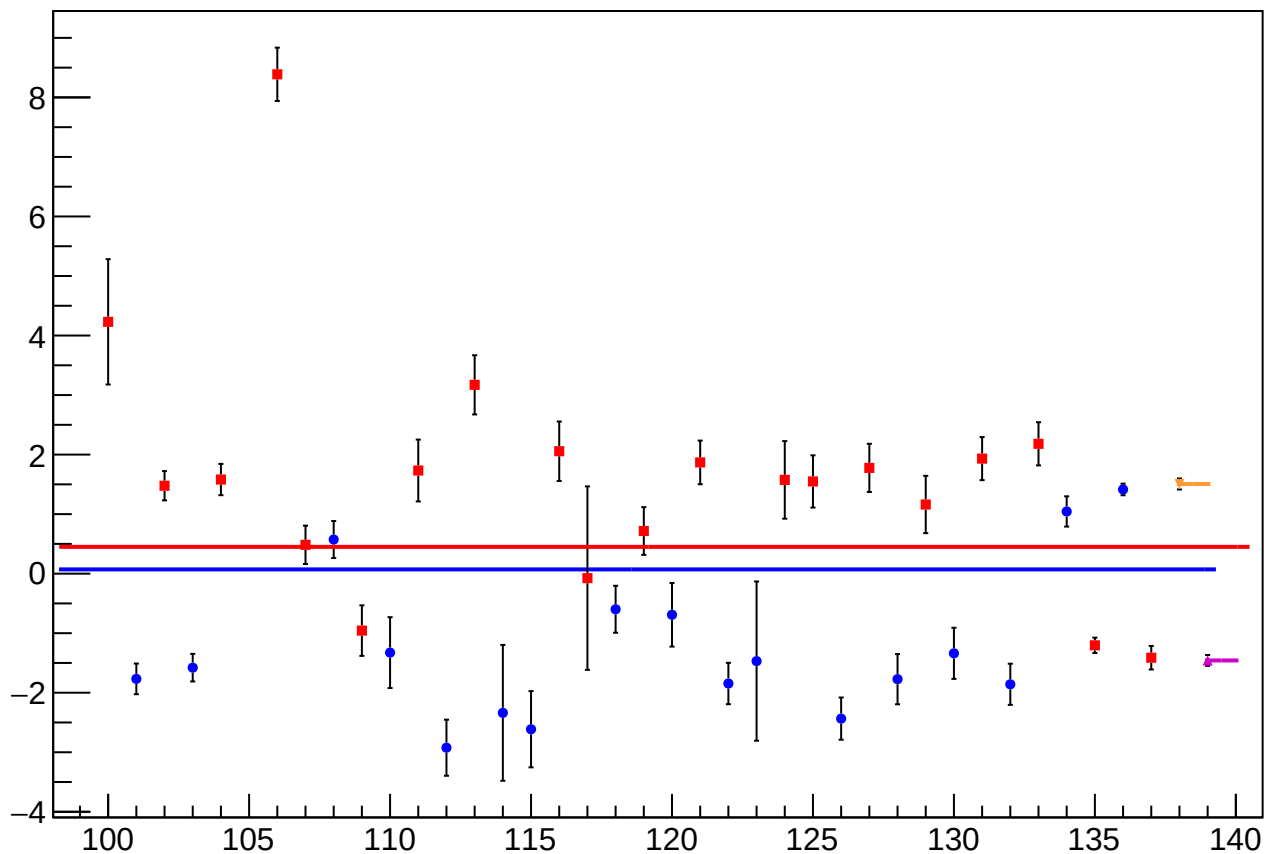
Left In: 54.878 ± 4.120 χ^2/NDF : 0.0/0

-167.310 ± 1.130 χ^2/NDF : 882.6/17

-23.879 ± 0.849 χ^2/NDF : 39386.5/38

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 $\chi^2/\text{NDF}: 525.2/16$

Left Out: 1.506 ± 0.092 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 0.450 ± 0.071 $\chi^2/\text{NDF}: 751.4/19$

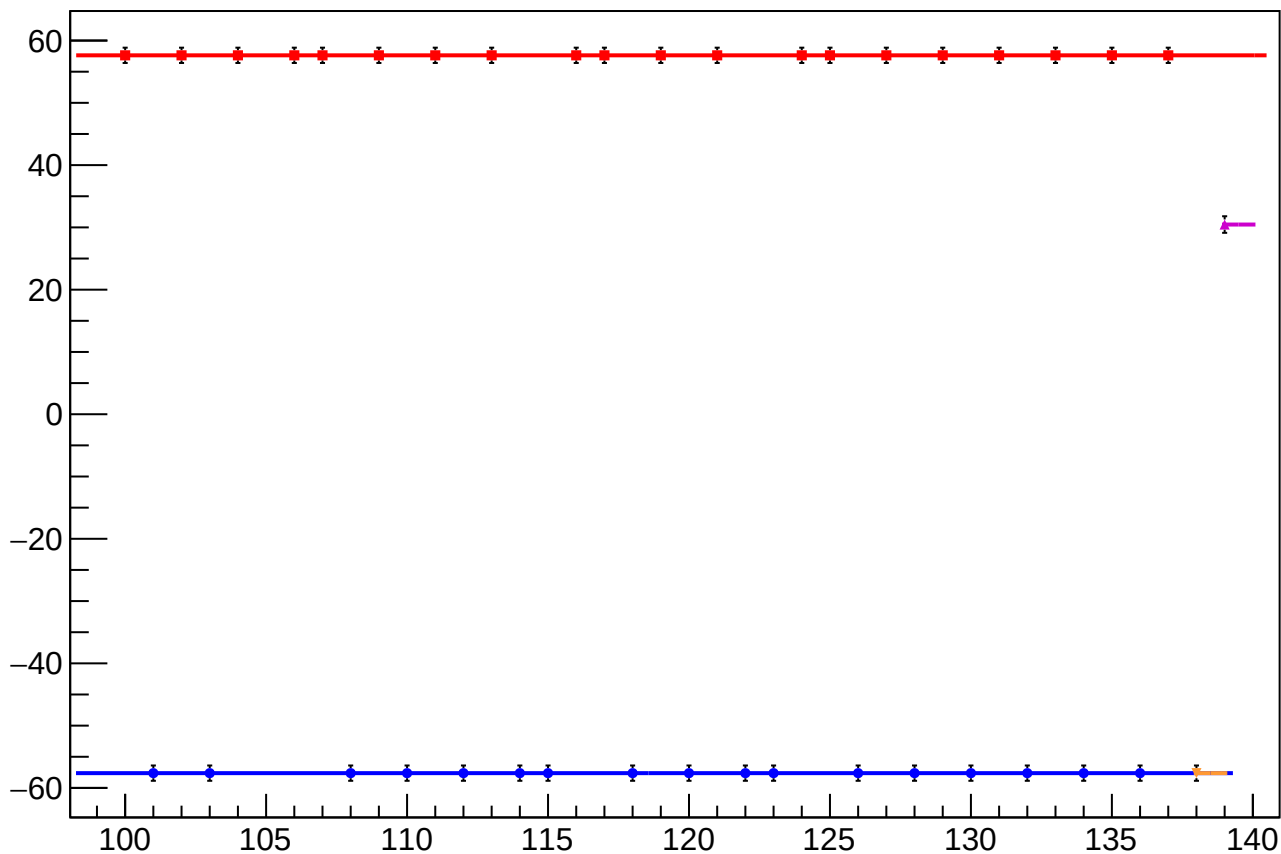
Left In: -1.458 ± 0.091 $\chi^2/\text{NDF}: 0.0/0$

0.568 ± 0.054 $\chi^2/\text{NDF}: 683.0/17$

0.159 ± 0.039 $\chi^2/\text{NDF}: 1824.3/38$

-0.276 ± 0.056 $\chi^2/\text{NDF}: 1024.4/20$

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -57.628 ± 0.298 χ^2/NDF : 0.0/16

Left Out: -57.628 ± 1.229 χ^2/NDF : 0.0/0

Right Out: 57.628 ± 0.275 χ^2/NDF : 0.0/19

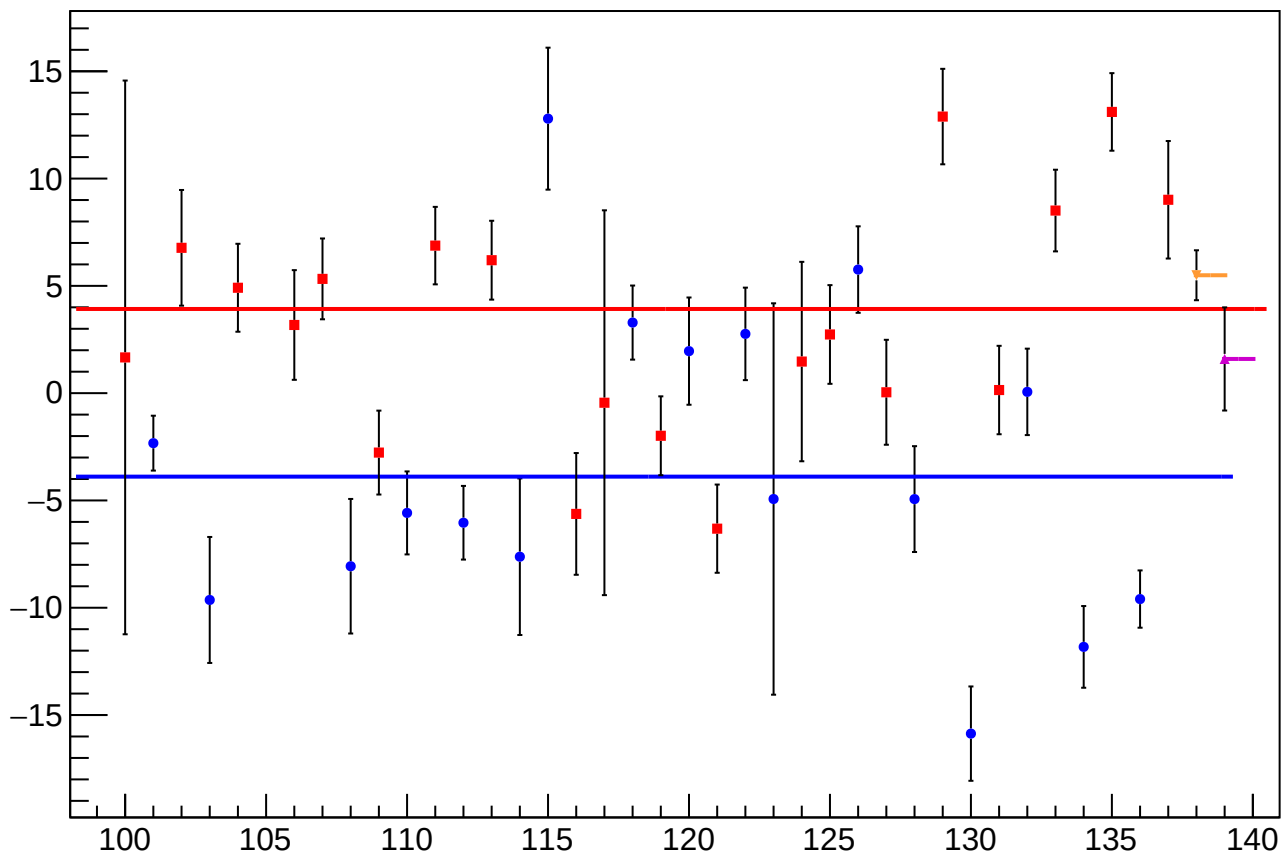
Left In: 30.458 ± 1.330 χ^2/NDF : 0.0/0

-57.628 ± 0.290 χ^2/NDF : 0.0/17

3.636 ± 0.197 χ^2/NDF : 83685.4/38

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 χ^2/NDF : 160.5/16

Left Out: 5.495 ± 1.164 χ^2/NDF : 0.0/0

Right Out: 3.923 ± 0.506 χ^2/NDF : 122.4/19

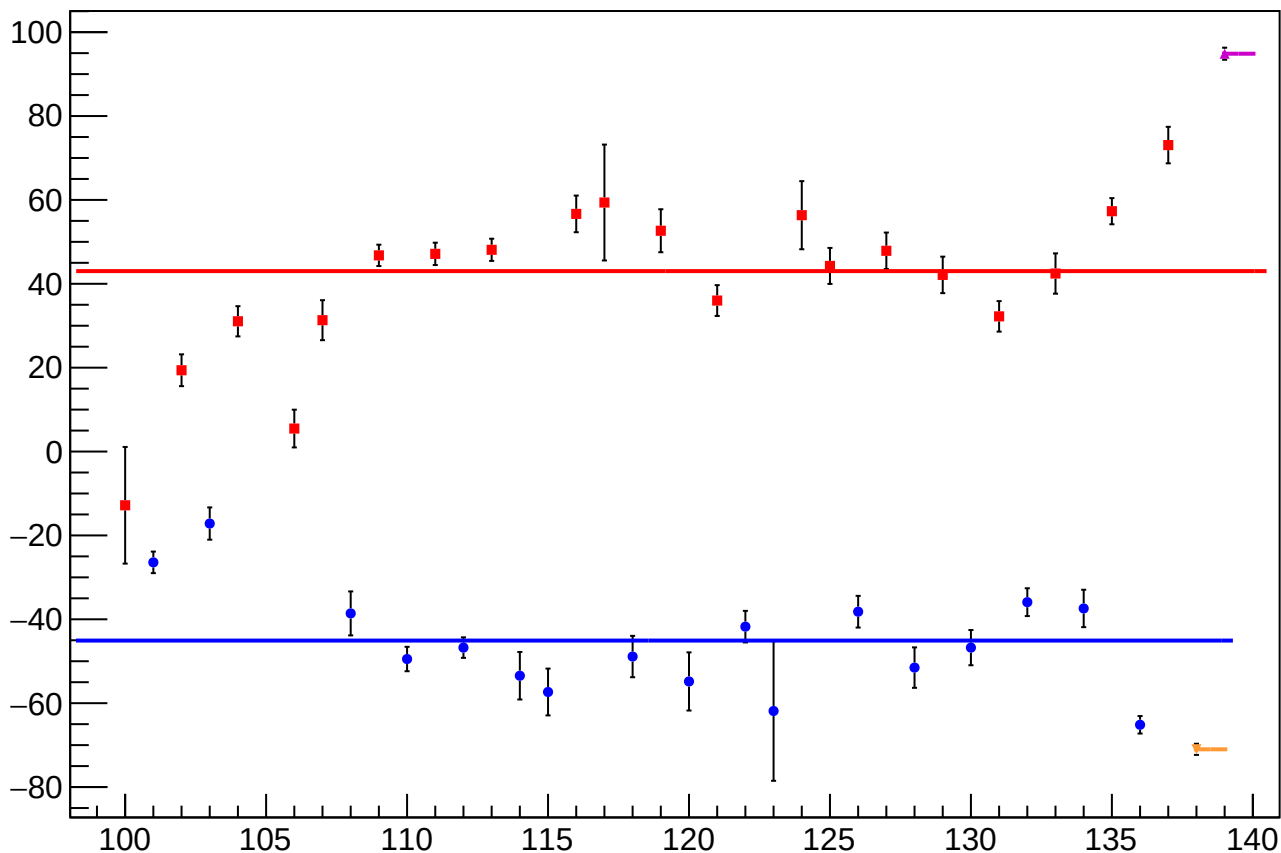
Left In: 1.594 ± 2.404 χ^2/NDF : 0.0/0

-2.436 ± 0.458 χ^2/NDF : 215.4/17

0.452 ± 0.336 χ^2/NDF : 424.9/38

3.824 ± 0.495 χ^2/NDF : 123.3/20

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -71.002 ± 1.332 χ^2/NDF : 0.0/0

Right Out: 43.025 ± 0.876 χ^2/NDF : 249.7/19

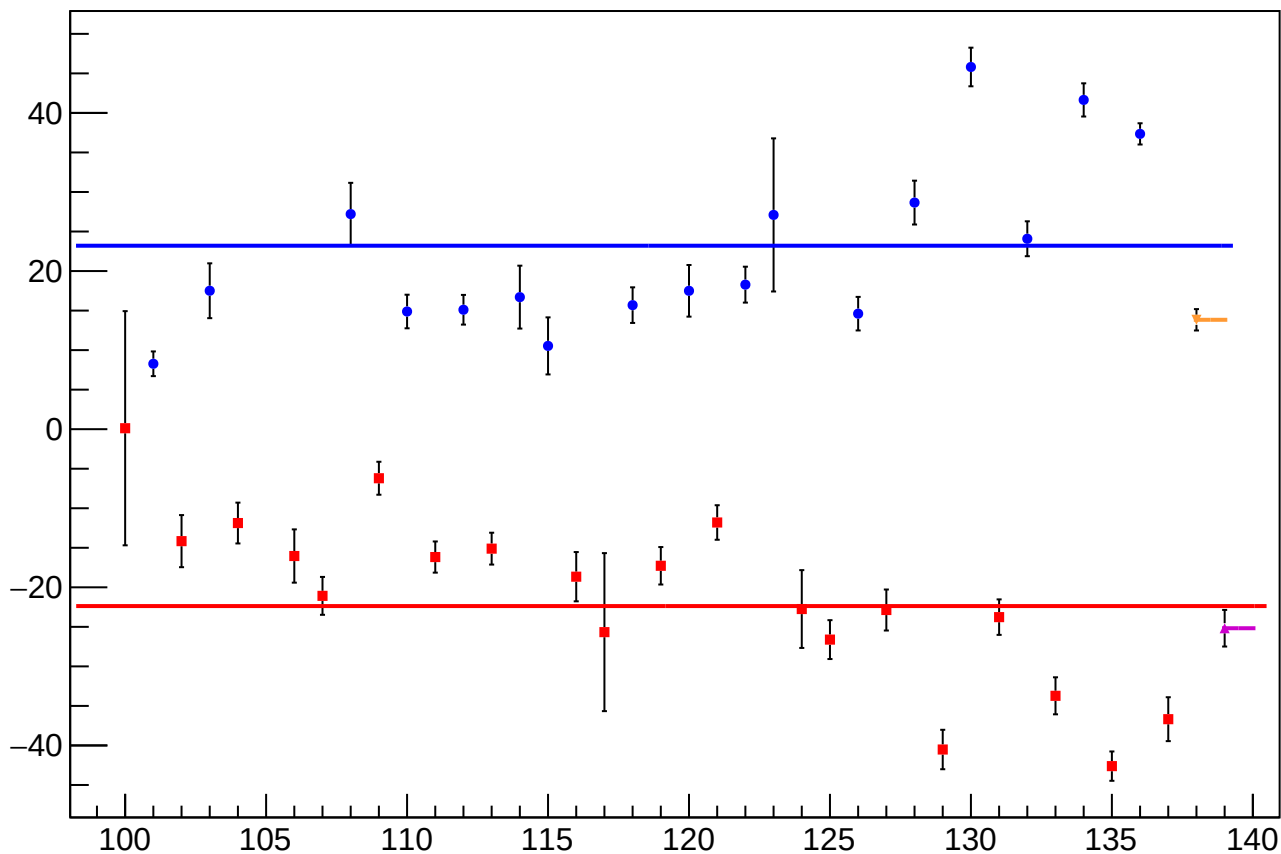
Left In: 94.863 ± 1.439 χ^2/NDF : 0.0/0

-52.991 ± 0.736 χ^2/NDF : 492.9/17

1.122 ± 0.525 χ^2/NDF : 12675.6/38

57.040 ± 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: 13.835 $\pm$ 1.352 χ^2 /NDF: 0.0/0

Right Out: -22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

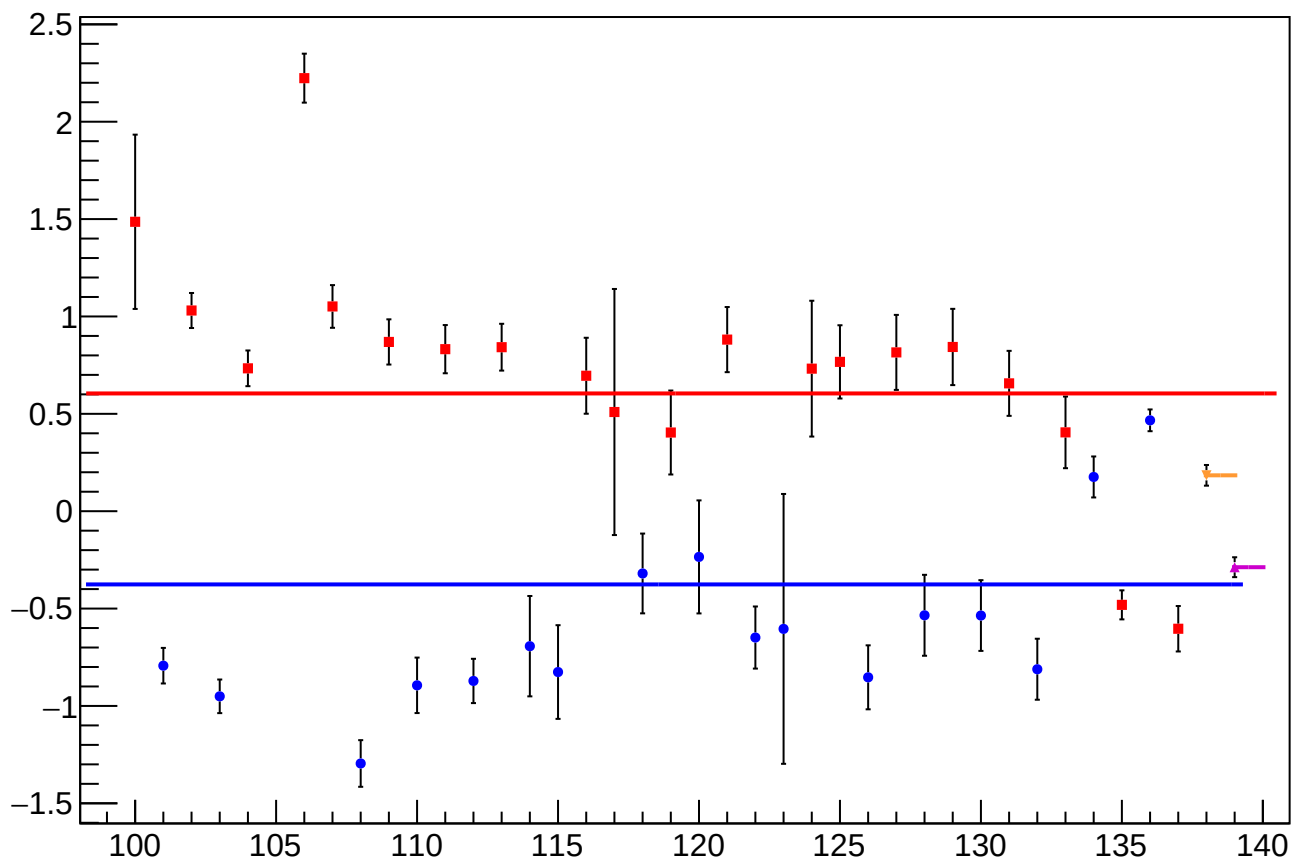
Left In: -25.175 $\pm$ 2.315 χ^2 /NDF: 0.0/0

21.838 $\pm$ 0.516 χ^2 /NDF: 498.3/17

1.248 $\pm$ 0.378 χ^2 /NDF: 4293.5/38

-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 χ^2/NDF : 437.3/16

Left Out: 0.184 ± 0.053 χ^2/NDF : 0.0/0

Right Out: 0.605 ± 0.030 χ^2/NDF : 551.2/19

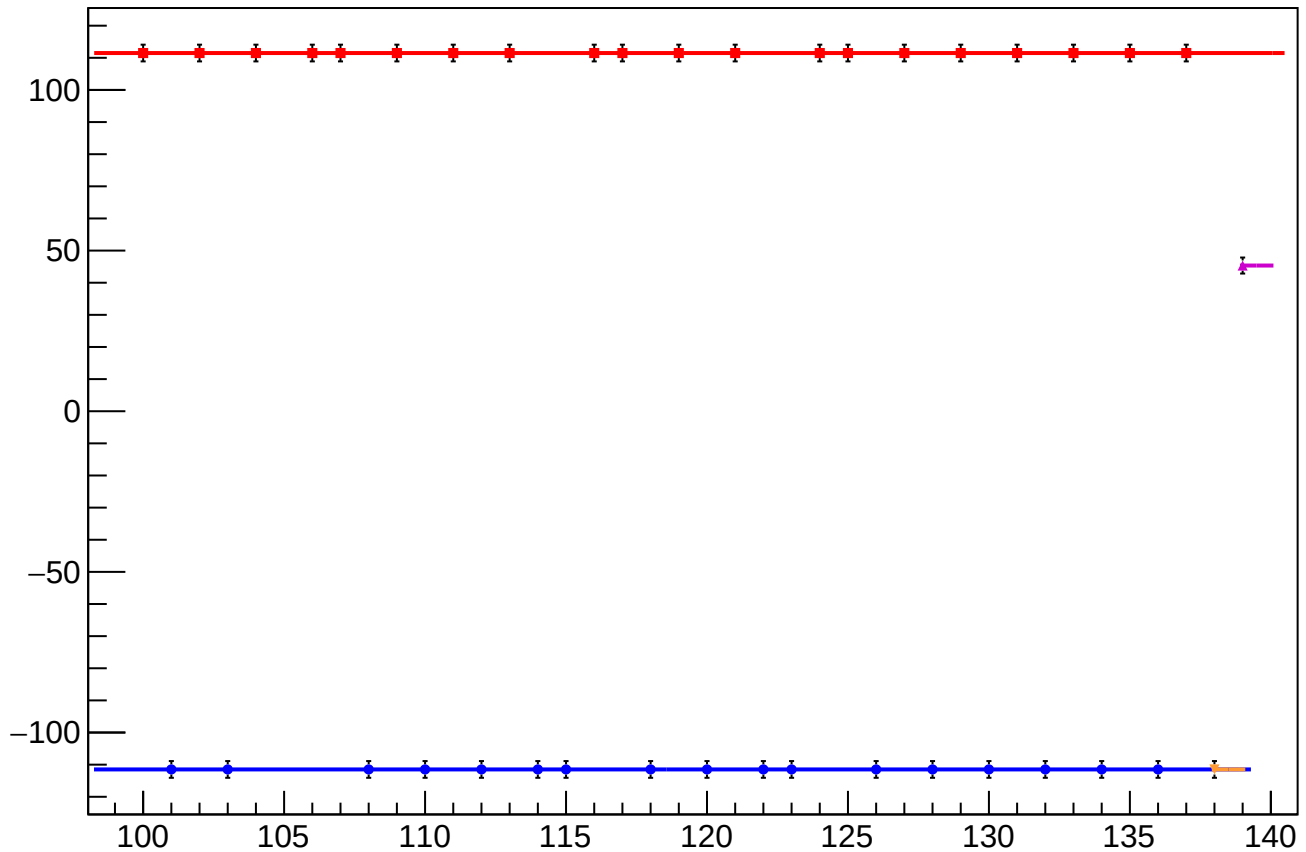
Left In: -0.288 ± 0.051 χ^2/NDF : 0.0/0

-0.240 ± 0.026 χ^2/NDF : 521.5/17

0.069 ± 0.018 χ^2/NDF : 1575.0/38

0.374 ± 0.026 χ^2/NDF : 777.4/20

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -111.486 ± 0.632 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -111.486 ± 2.604 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 111.486 ± 0.582 $\chi^2/\text{NDF}: 0.0/19$

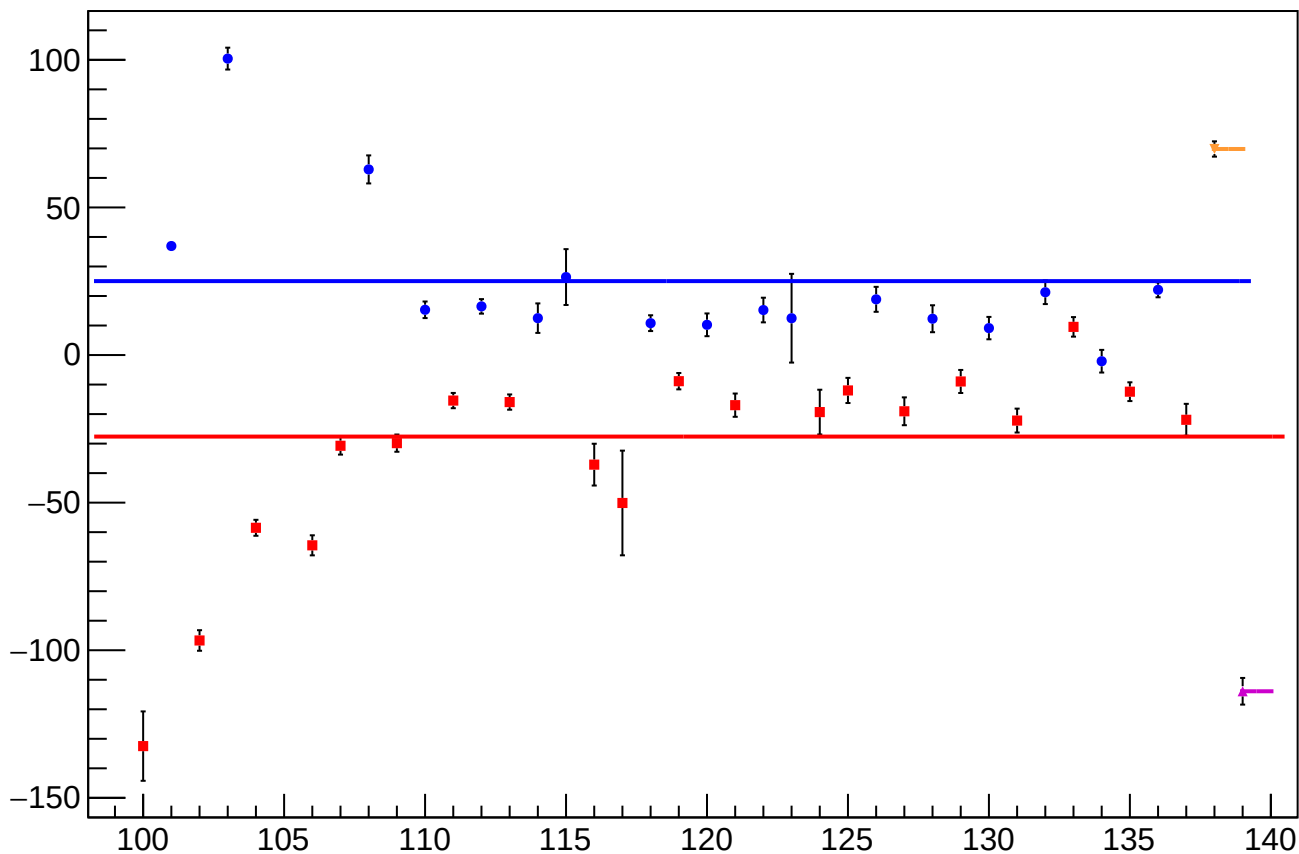
Left In: 45.347 ± 2.492 $\chi^2/\text{NDF}: 0.0/0$

-111.486 ± 0.614 $\chi^2/\text{NDF}: 0.0/17$

6.970 ± 0.417 $\chi^2/\text{NDF}: 69691.6/38$

108.063 ± 0.567 $\chi^2/\text{NDF}: 667.7/20$

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 69.806 $\pm$ 2.593 χ^2 /NDF: 0.0/0

Right Out: -27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

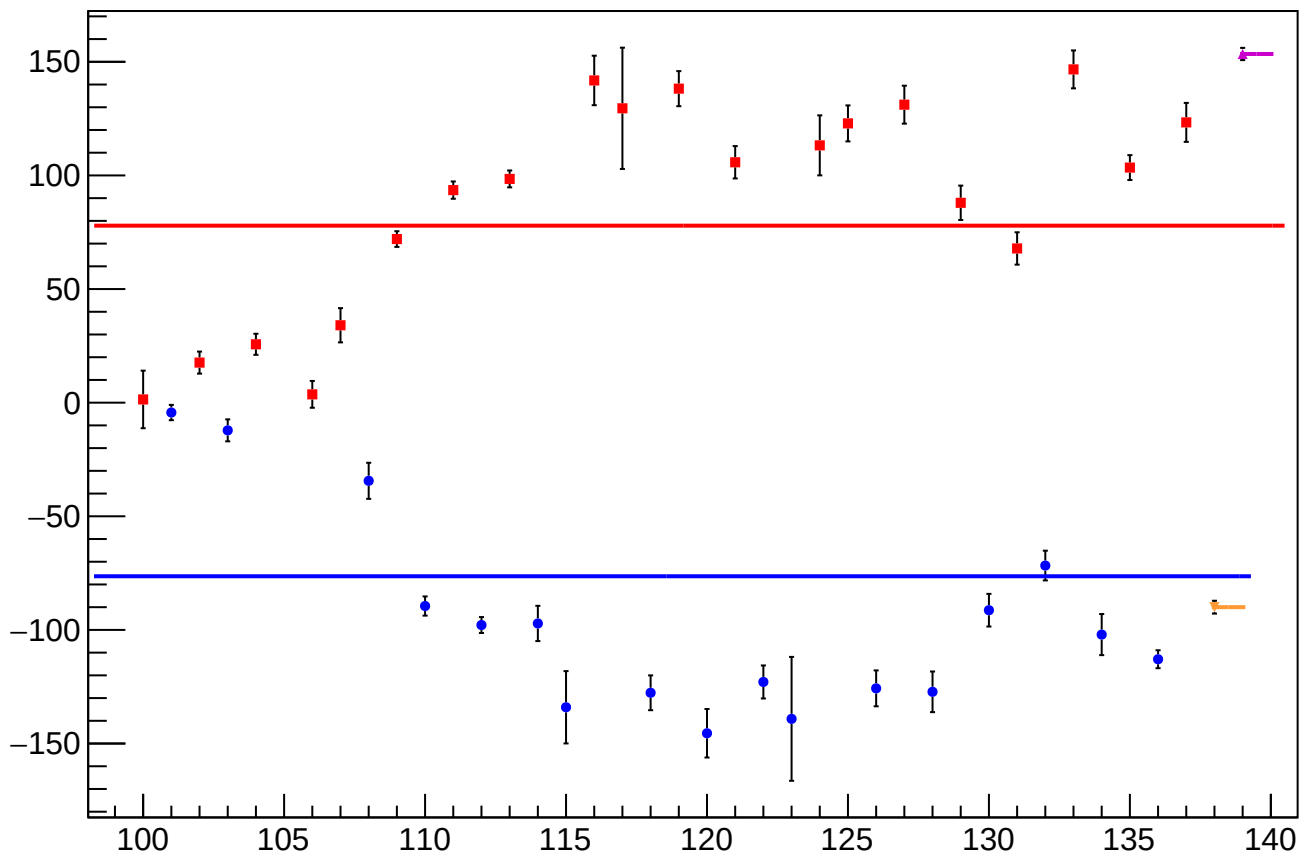
Left In: -113.900 $\pm$ 4.517 χ^2 /NDF: 0.0/0

28.992 $\pm$ 0.770 χ^2 /NDF: 958.2/17

0.349 $\pm$ 0.554 χ^2 /NDF: 5191.5/38

-30.303 $\pm$ 0.796 χ^2 /NDF: 1367.9/20

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -89.988 ± 2.823 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 77.894 ± 1.351 $\chi^2/\text{NDF}: 876.4/19$

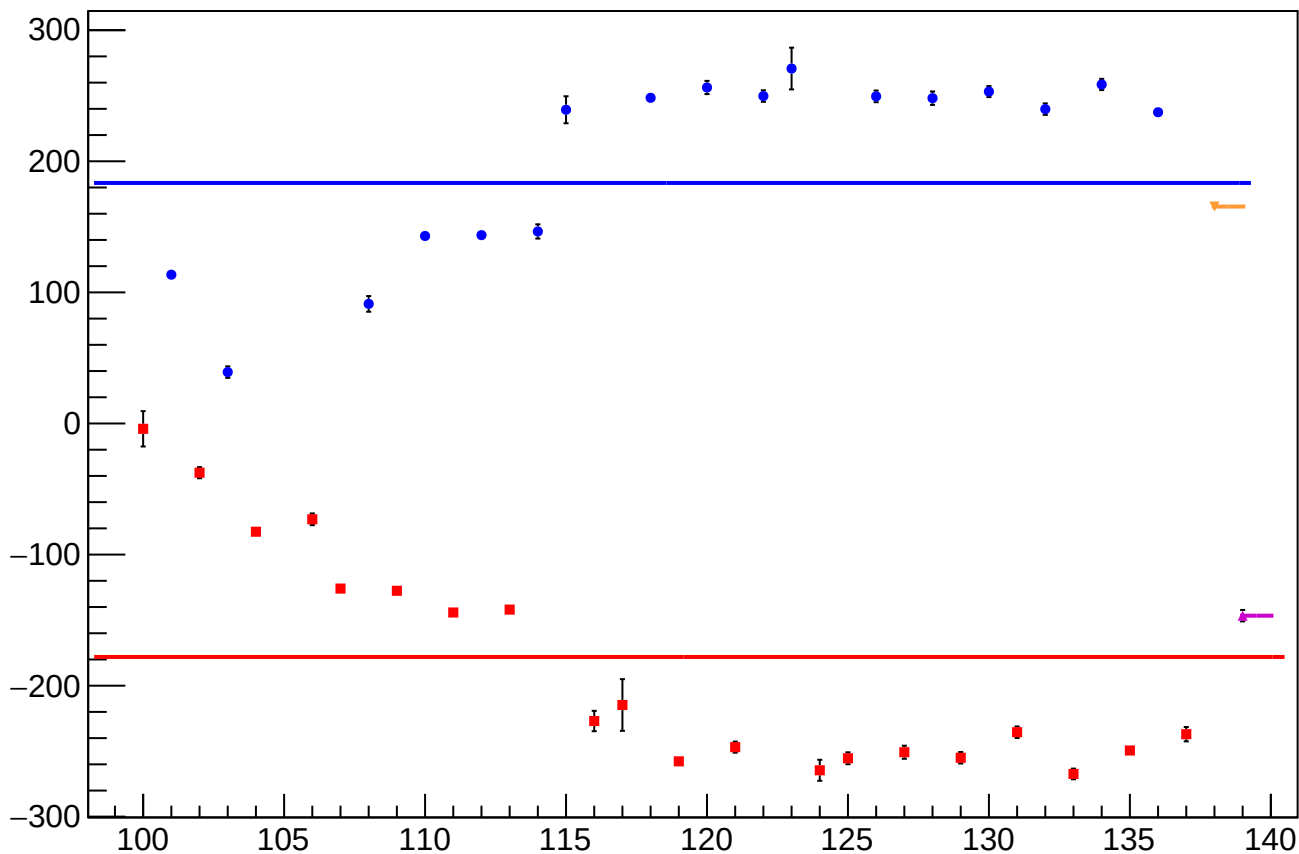
Left In: 153.443 ± 2.695 $\chi^2/\text{NDF}: 0.0/0$

-79.126 ± 1.266 $\chi^2/\text{NDF}: 1050.5/17$

11.006 ± 0.874 $\chi^2/\text{NDF}: 12240.5/38$

93.065 ± 1.208 $\chi^2/\text{NDF}: 1504.3/20$

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: 165.473 $\pm$ 2.973 χ^2 /NDF: 0.0/0

Right Out: -178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

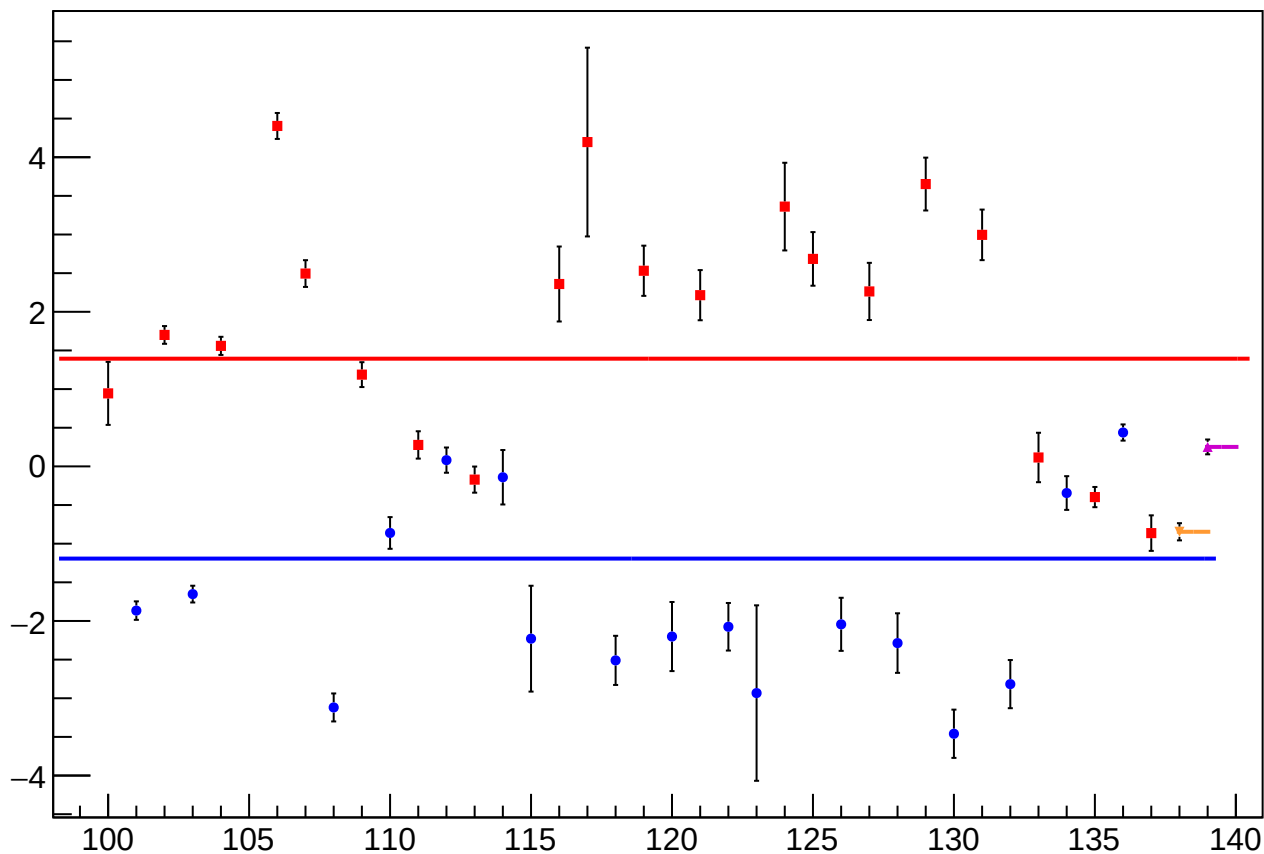
Left In: -146.612 $\pm$ 4.351 χ^2 /NDF: 0.0/0

181.909 $\pm$ 0.878 χ^2 /NDF: 5364.9/17

7.653 $\pm$ 0.629 χ^2 /NDF: 92896.6/38

-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: -0.846 ± 0.111 χ^2/NDF : 0.0/0

Right Out: 1.393 ± 0.046 χ^2/NDF : 925.8/19

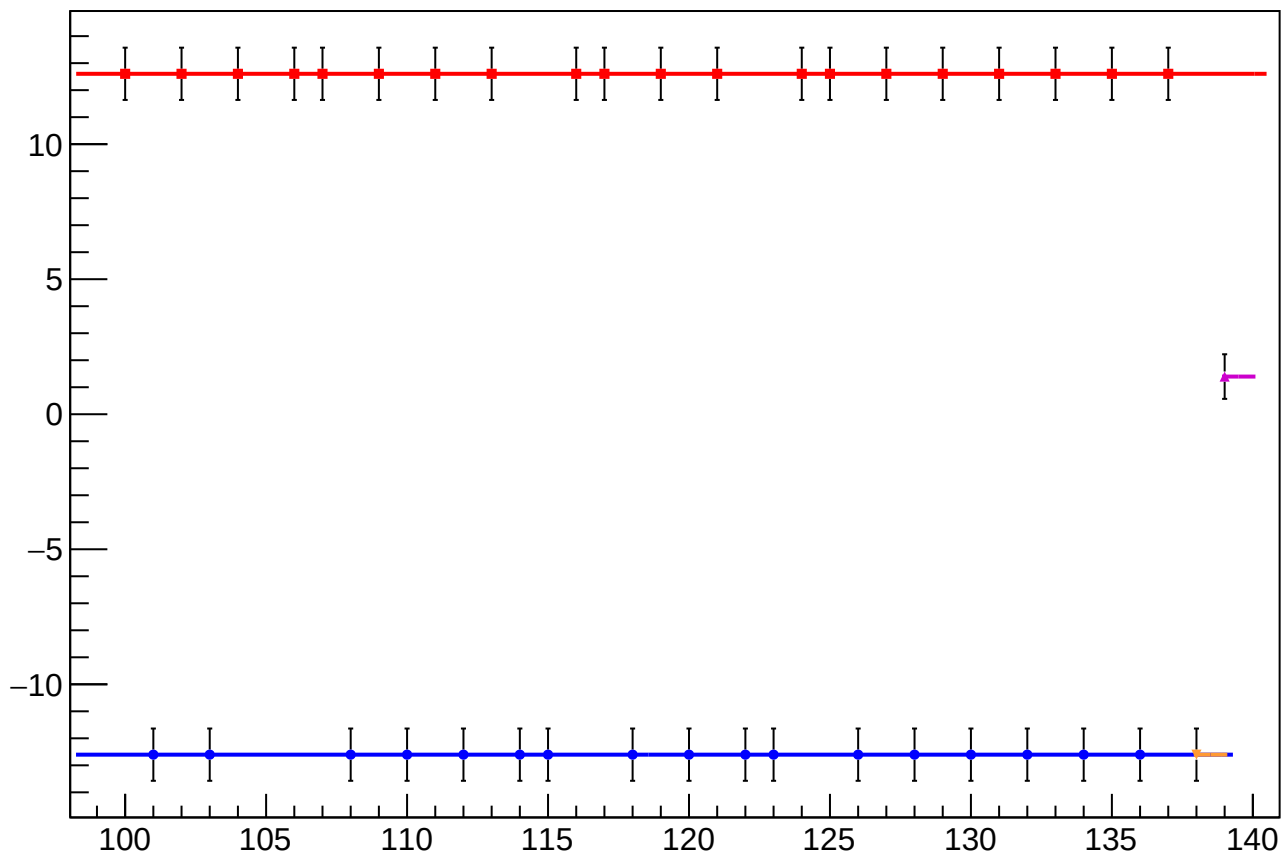
Left In: 0.252 ± 0.096 χ^2/NDF : 0.0/0

-1.138 ± 0.044 χ^2/NDF : 629.8/17

0.099 ± 0.030 χ^2/NDF : 3140.5/38

1.182 ± 0.041 χ^2/NDF : 1040.9/20

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -12.605 ± 0.235 χ^2/NDF : 0.0/16

Left Out: -12.605 ± 0.968 χ^2/NDF : 0.0/0

Right Out: 12.605 ± 0.216 χ^2/NDF : 0.0/19

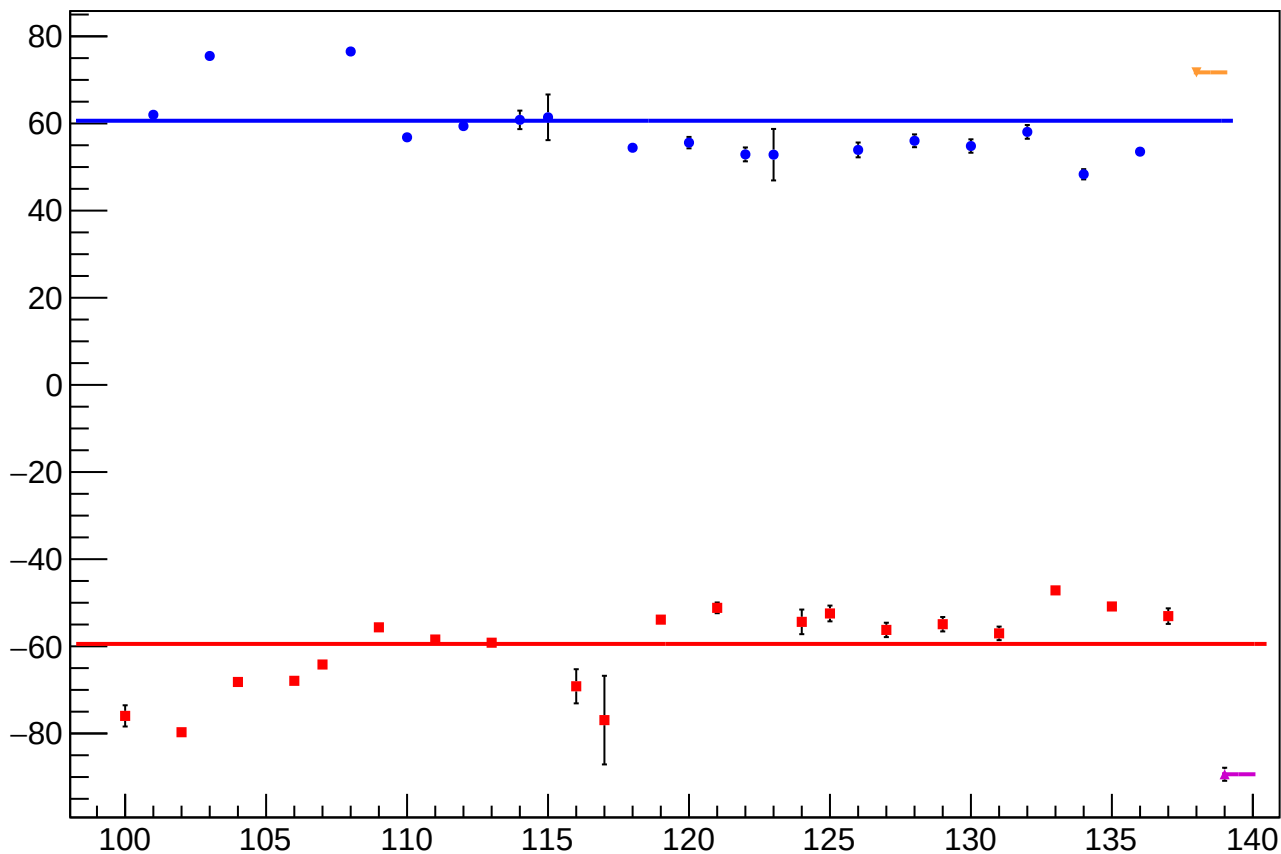
Left In: 1.395 ± 0.826 χ^2/NDF : 0.0/0

-12.605 ± 0.228 χ^2/NDF : 0.0/17

0.689 ± 0.154 χ^2/NDF : 6430.1/38

11.885 ± 0.209 χ^2/NDF : 172.5/20

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 71.727 $\pm$ 1.041 χ^2 /NDF: 0.0/0

Right Out: -59.448 $\pm$ 0.248 χ^2 /NDF: 1326.3/19

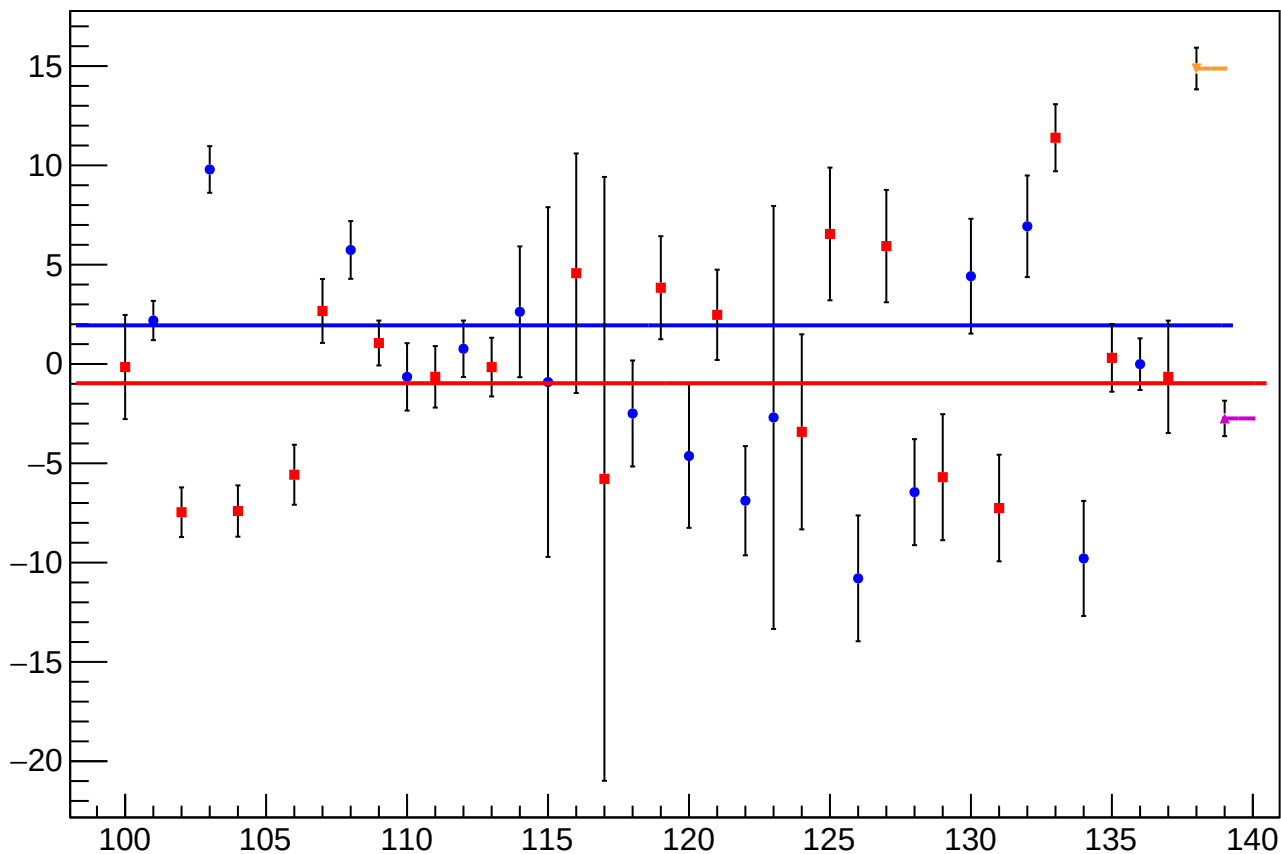
Left In: -89.366 $\pm$ 1.498 χ^2 /NDF: 0.0/0

61.291 $\pm$ 0.255 χ^2 /NDF: 1031.4/17

-2.064 $\pm$ 0.176 χ^2 /NDF: 121131.2/38

-60.244 $\pm$ 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: 14.876 ± 1.050 χ^2/NDF : 0.0/0

Right Out: -0.968 ± 0.424 χ^2/NDF : 149.6/19

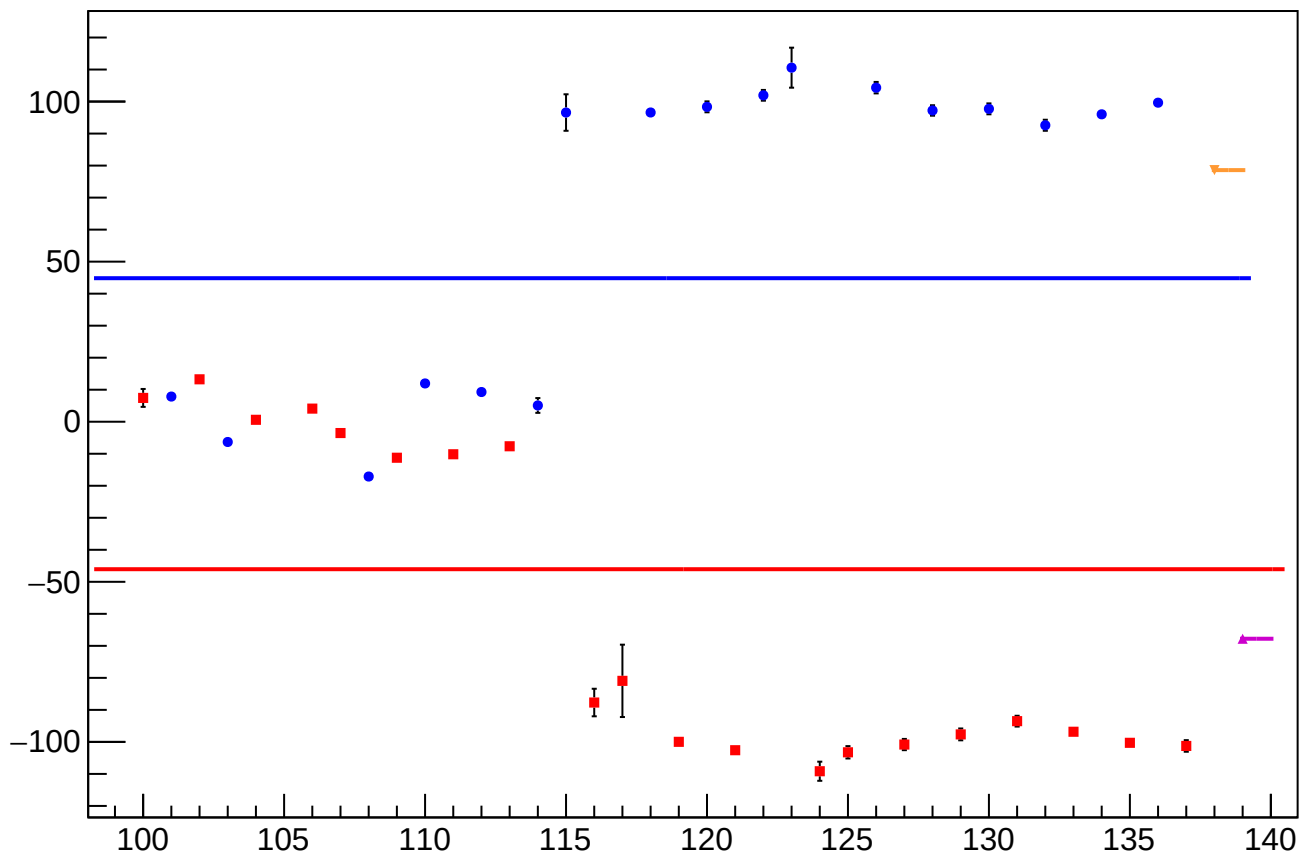
Left In: -2.742 ± 0.892 χ^2/NDF : 0.0/0

4.019 ± 0.420 χ^2/NDF : 248.0/17

1.116 ± 0.283 χ^2/NDF : 488.1/38

-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 χ^2/NDF : 24763.1/16

Left Out: 78.587+/-1.169 χ^2/NDF : 0.0/0

Right Out: -46.062+/-0.289 χ^2/NDF : 28272.9/19

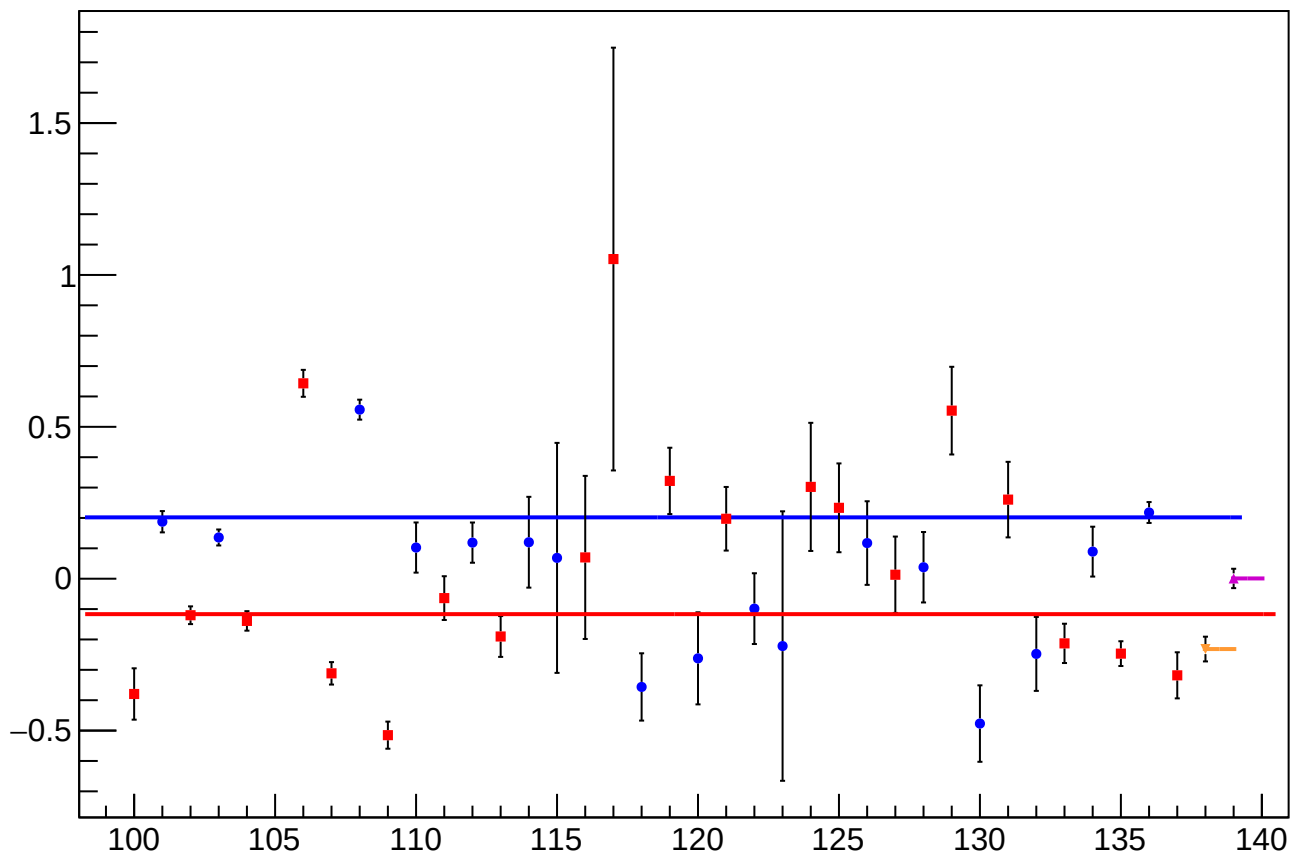
Left In: -67.780+/-1.443 χ^2/NDF : 0.0/0

46.977+/-0.295 χ^2/NDF : 25544.3/17

-1.757+/-0.204 χ^2/NDF : 106678.8/38

-46.902+/-0.284 χ^2/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: -0.232 ± 0.041 χ^2/NDF : 0.0/0

Right Out: -0.117 ± 0.013 χ^2/NDF : 502.5/19

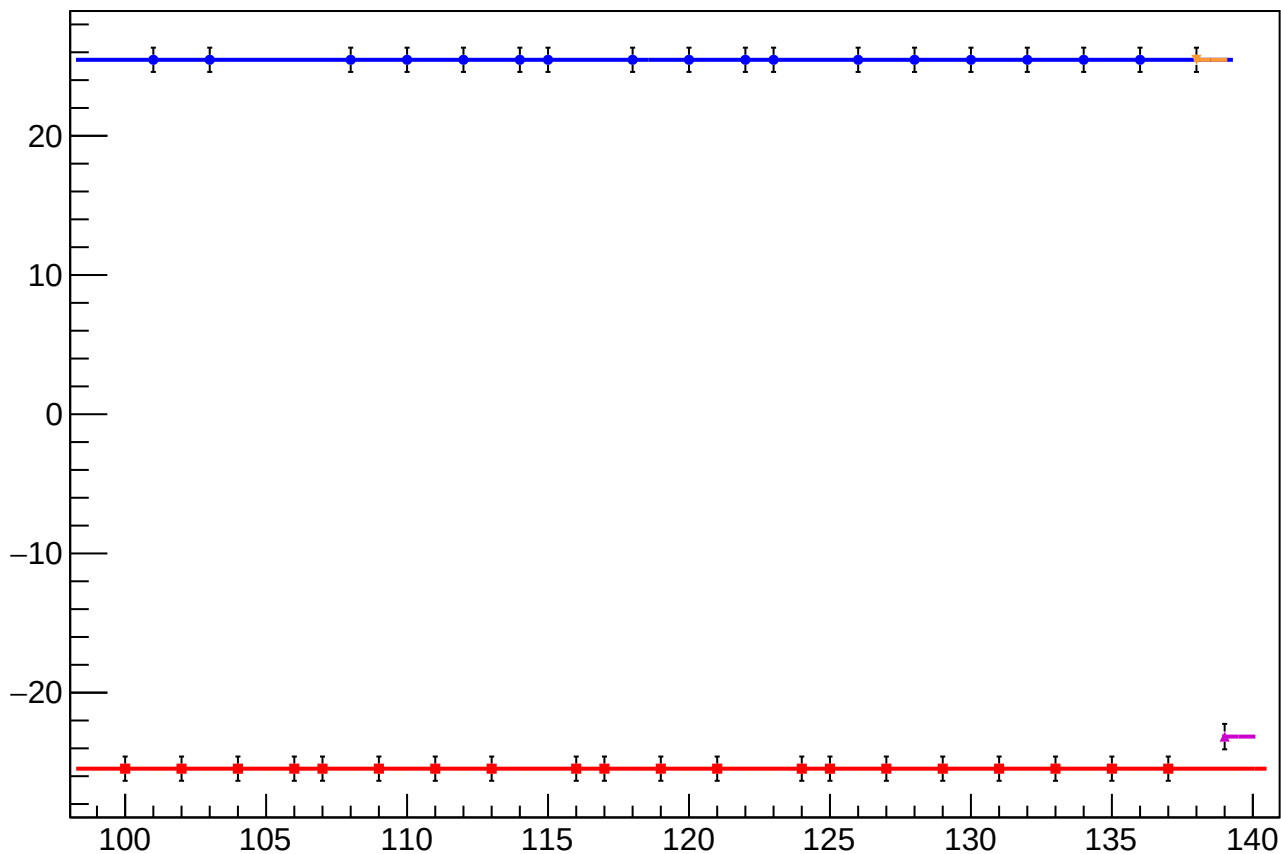
Left In: 0.001 ± 0.032 χ^2/NDF : 0.0/0

0.156 ± 0.013 χ^2/NDF : 317.2/17

0.016 ± 0.009 χ^2/NDF : 1034.4/38

-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: 25.460 $\pm$ 0.871 χ^2 /NDF: 0.0/0

Right Out: -25.460 $\pm$ 0.195 χ^2 /NDF: 0.0/19

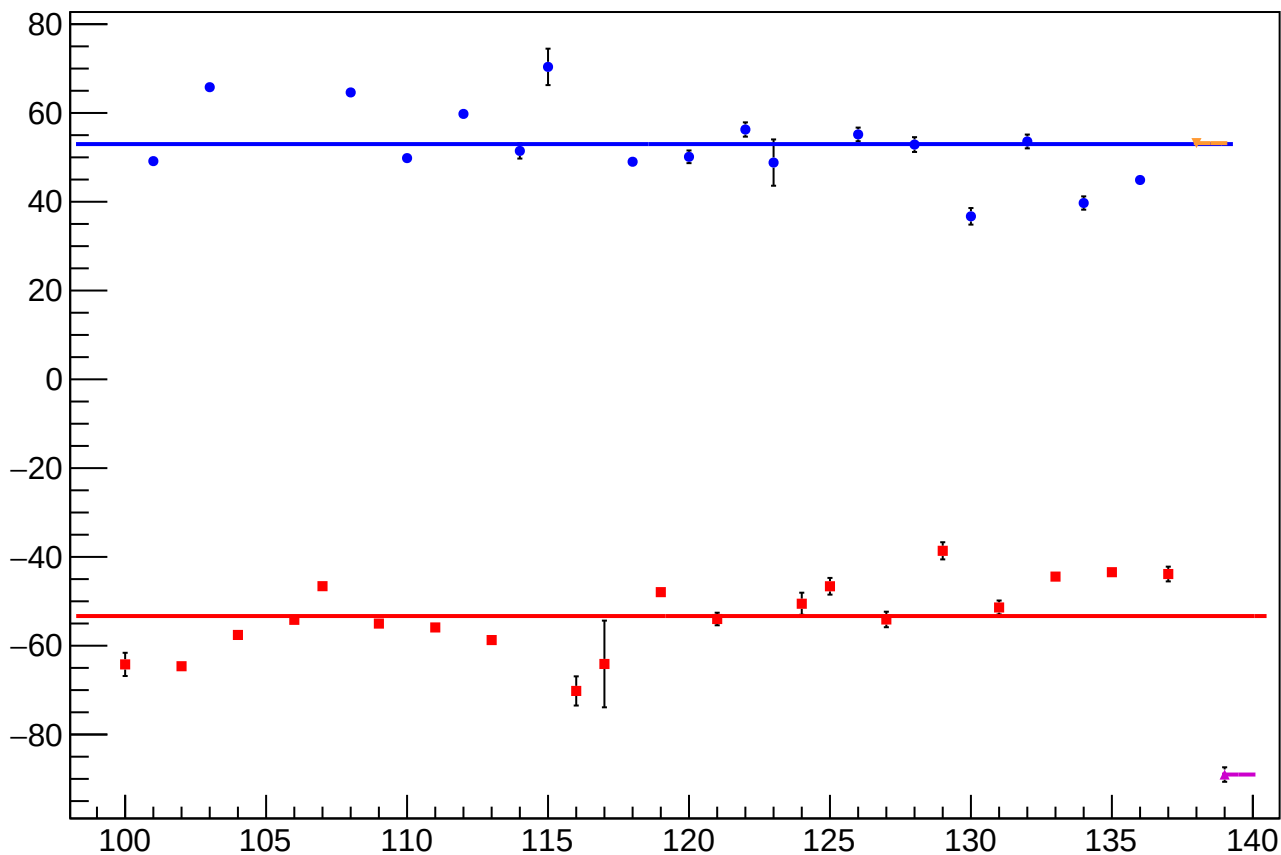
Left In: -23.156 $\pm$ 0.914 χ^2 /NDF: 0.0/0

25.460 $\pm$ 0.205 χ^2 /NDF: 0.0/17

-1.849 $\pm$ 0.140 χ^2 /NDF: 32918.0/38

-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 $\pm$ 0.211 χ^2/NDF : 1198.0/16

Left Out: 53.206 $\pm$ 0.903 χ^2/NDF : 0.0/0

Right Out: -53.320 $\pm$ 0.227 χ^2/NDF : 876.8/19

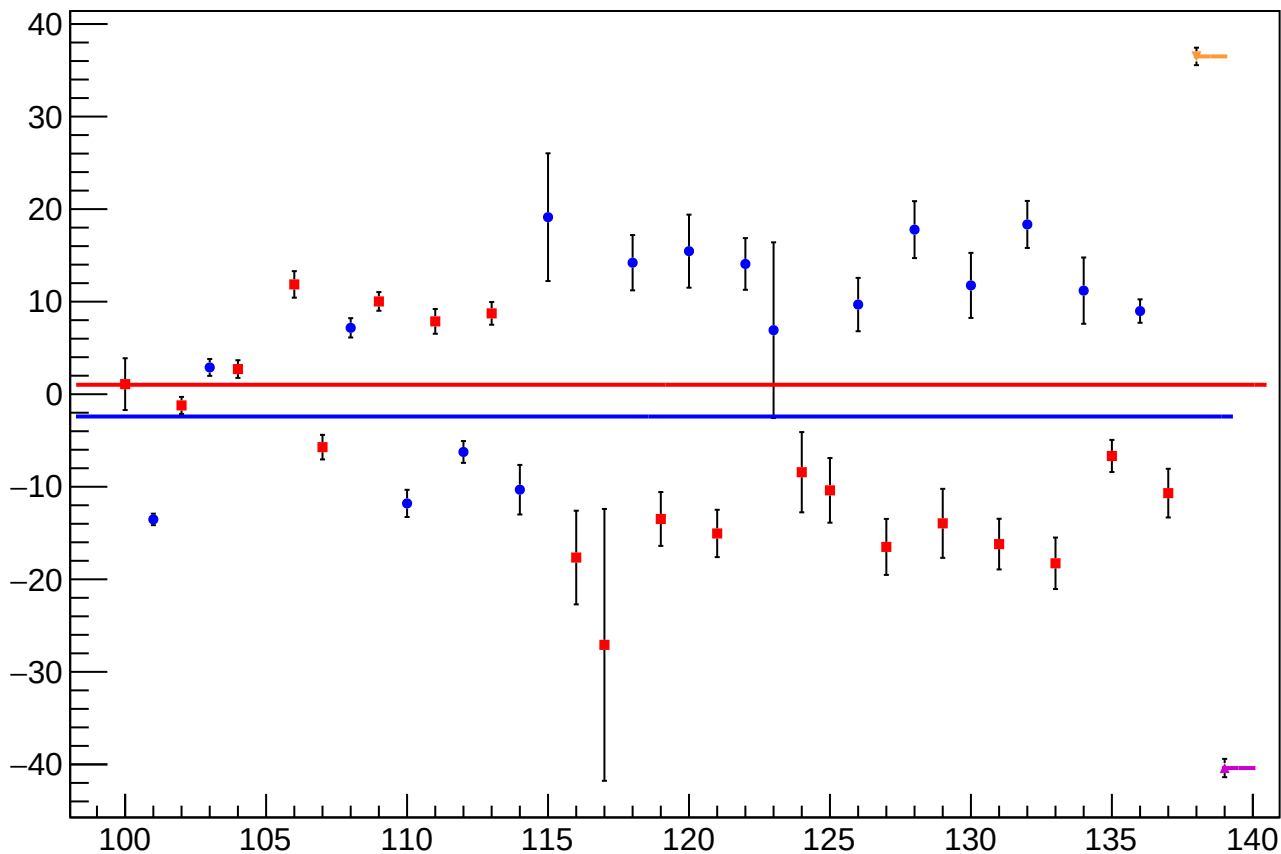
Left In: -89.021 $\pm$ 1.635 χ^2/NDF : 0.0/0

53.000 $\pm$ 0.205 χ^2/NDF : 1198.1/17

4.260 $\pm$ 0.152 χ^2/NDF : 126193.6/38

-53.994 $\pm$ 0.225 χ^2/NDF : 1344.8/20

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 $\pm$ 0.364 χ^2 /NDF: 834.6/16

Left Out: 36.499 $\pm$ 0.945 χ^2 /NDF: 0.0/0

Right Out: 1.021 $\pm$ 0.377 χ^2 /NDF: 511.2/19

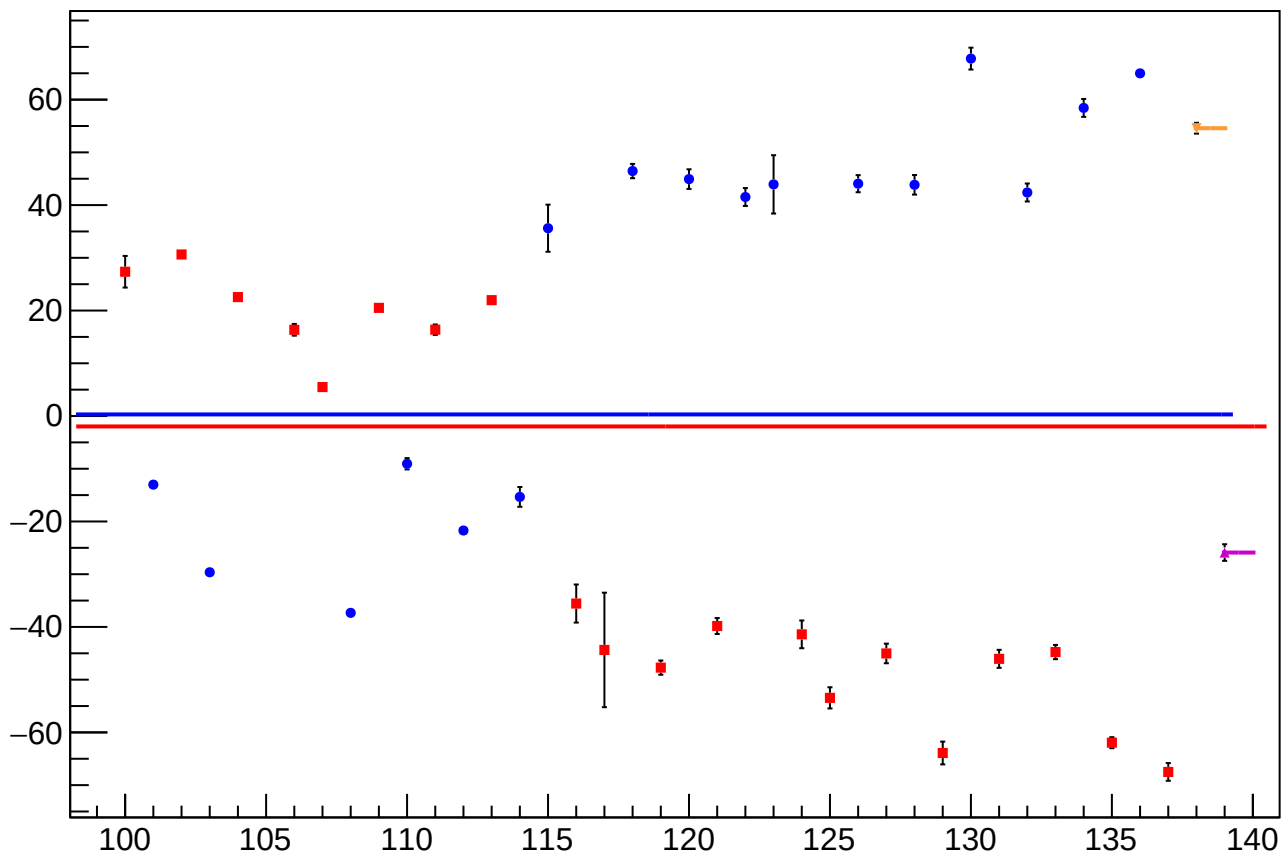
Left In: -40.391 $\pm$ 0.991 χ^2 /NDF: 0.0/0

2.627 $\pm$ 0.340 χ^2 /NDF: 2310.6/17

-0.672 $\pm$ 0.245 χ^2 /NDF: 4543.4/38

-4.215 $\pm$ 0.352 χ^2 /NDF: 2037.5/20

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 $\pm$ 0.247 χ^2 /NDF: 18259.2/16

Left Out: 54.582 $\pm$ 1.024 χ^2 /NDF: 0.0/0

Right Out: -1.978 $\pm$ 0.267 χ^2 /NDF: 15465.9/19

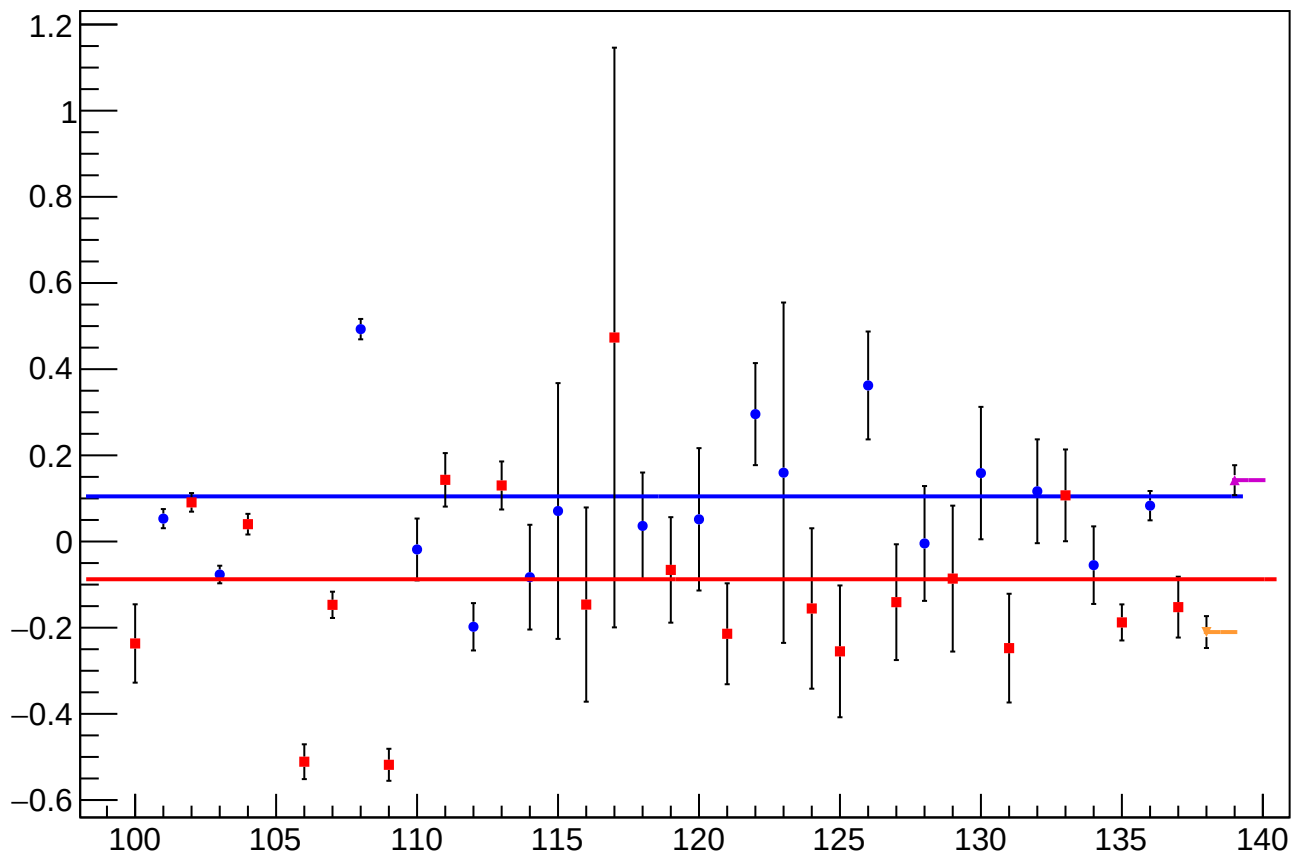
Left In: -25.892 $\pm$ 1.573 χ^2 /NDF: 0.0/0

3.295 $\pm$ 0.240 χ^2 /NDF: 20914.8/17

0.588 $\pm$ 0.177 χ^2 /NDF: 36883.5/38

-2.646 $\pm$ 0.263 χ^2 /NDF: 15690.6/20

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.210 ± 0.037 χ^2/NDF : 0.0/0

Right Out: -0.088 ± 0.011 χ^2/NDF : 391.6/19

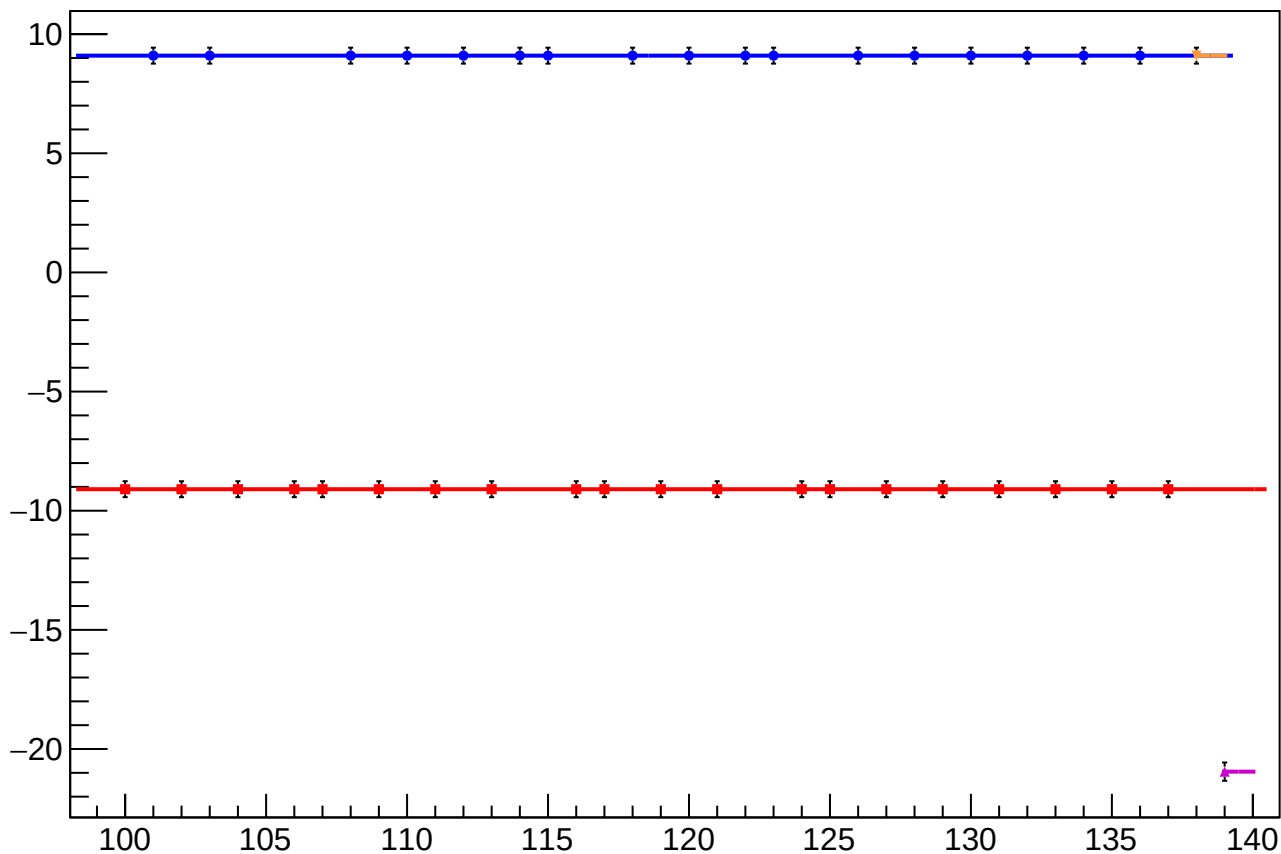
Left In: 0.142 ± 0.035 χ^2/NDF : 0.0/0

0.079 ± 0.011 χ^2/NDF : 467.2/17

0.006 ± 0.007 χ^2/NDF : 994.2/38

-0.067 ± 0.010 χ^2/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: 9.097+/-0.335 χ^2/NDF : 0.0/0

Right Out: -9.097+/-0.075 χ^2/NDF : 0.0/19

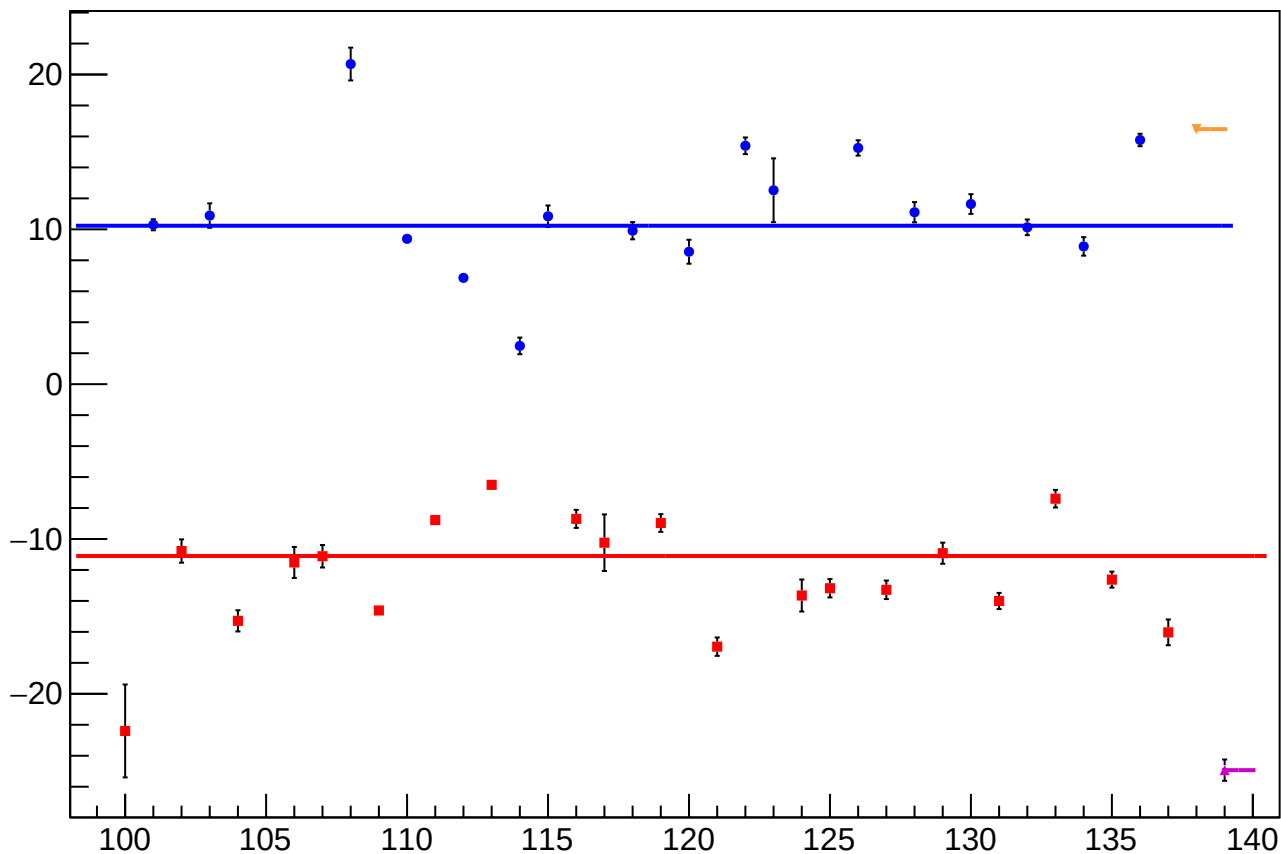
Left In: -20.951+/-0.384 χ^2/NDF : 0.0/0

9.097+/-0.079 χ^2/NDF : 0.0/17

-0.881+/-0.054 χ^2/NDF : 30789.3/38

-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: 16.474 ± 0.322 χ^2/NDF : 0.0/0

Right Out: -11.096 ± 0.116 χ^2/NDF : 818.0/19

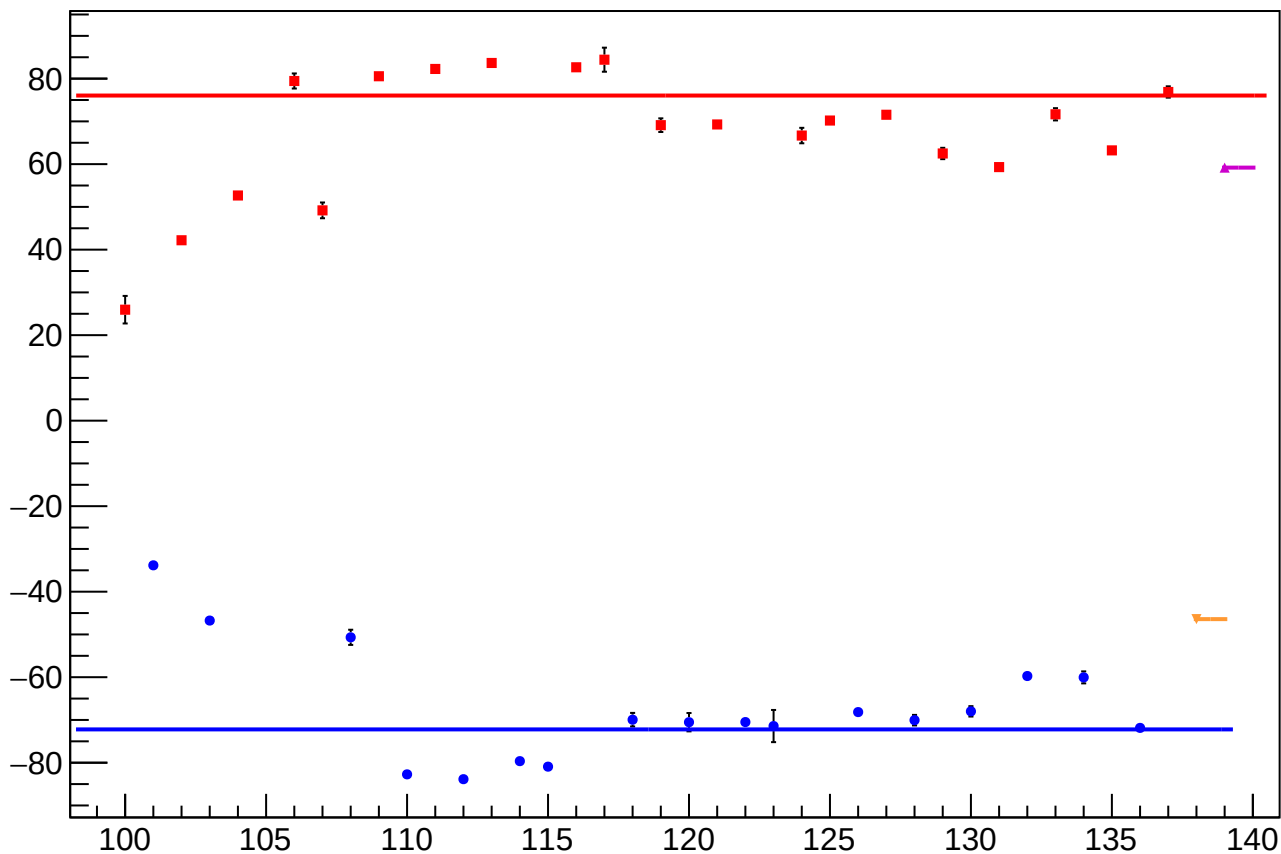
Left In: -24.930 ± 0.688 χ^2/NDF : 0.0/0

10.989 ± 0.112 χ^2/NDF : 1207.9/17

0.011 ± 0.080 χ^2/NDF : 22105.5/38

-11.480 ± 0.115 χ^2/NDF : 1211.6/20

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 $\pm$ 0.198 χ^2 /NDF: 5566.2/16

Left Out: -46.418 $\pm$ 0.363 χ^2 /NDF: 0.0/0

Right Out: 76.044 $\pm$ 0.181 χ^2 /NDF: 3472.2/19

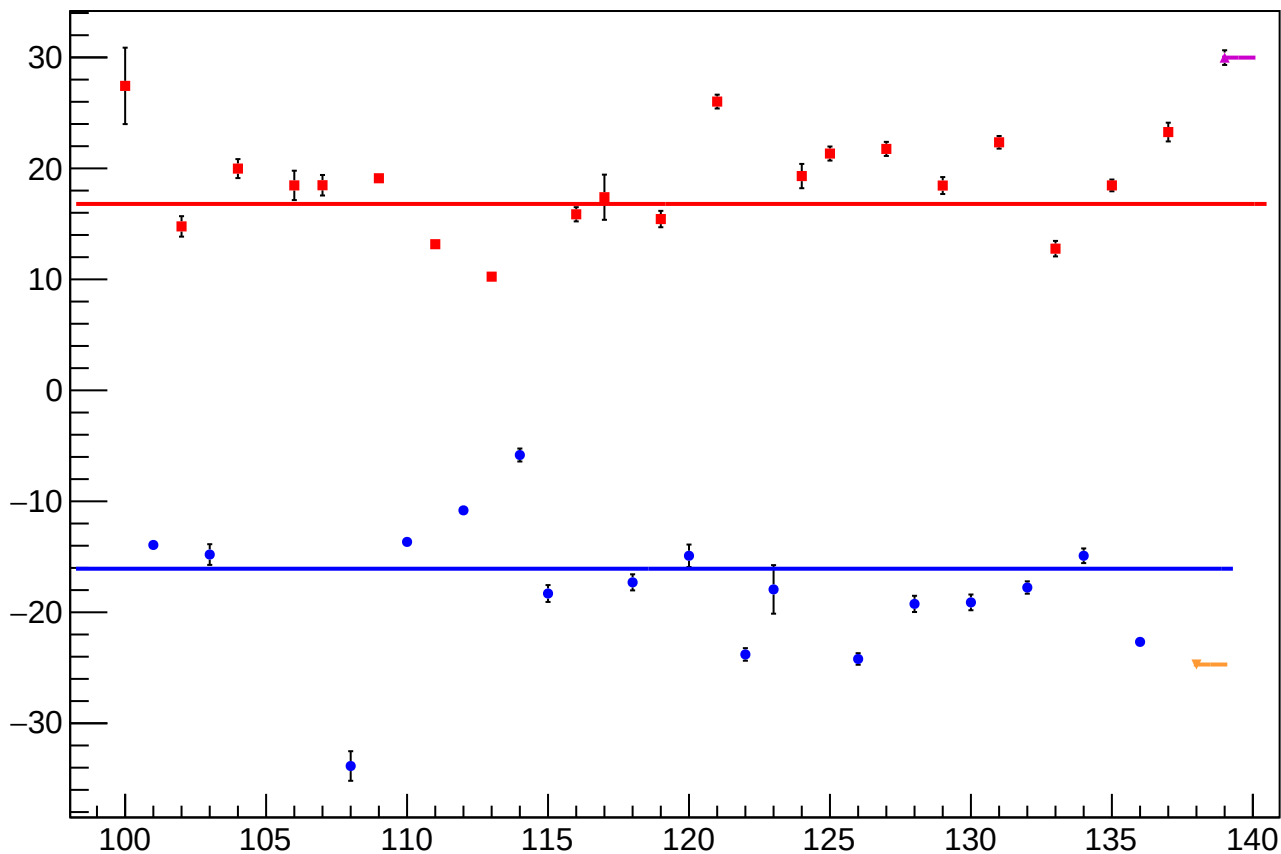
Left In: 59.186 $\pm$ 0.416 χ^2 /NDF: 0.0/0

-66.291 $\pm$ 0.174 χ^2 /NDF: 9461.4/17

6.883 $\pm$ 0.120 χ^2 /NDF: 352680.2/38

73.367 $\pm$ 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: -24.704 ± 0.372 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

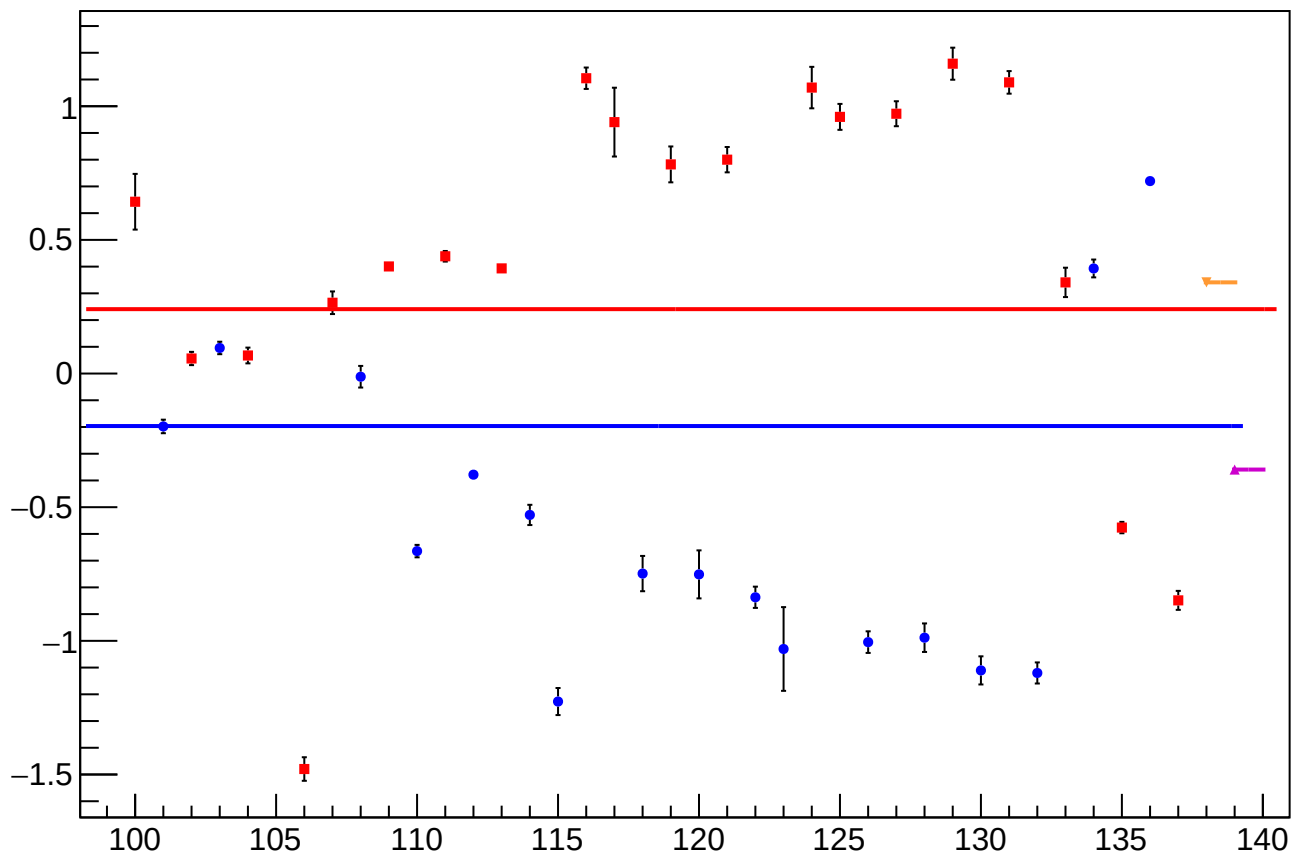
Left In: 29.983 ± 0.662 $\chi^2/\text{NDF}: 0.0/0$

-17.044 ± 0.125 $\chi^2/\text{NDF}: 2117.9/17$

0.010 ± 0.089 $\chi^2/\text{NDF}: 41267.4/38$

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: 0.341 ± 0.014 χ^2/NDF : 0.0/0

Right Out: 0.241 ± 0.007 χ^2/NDF : 6218.3/19

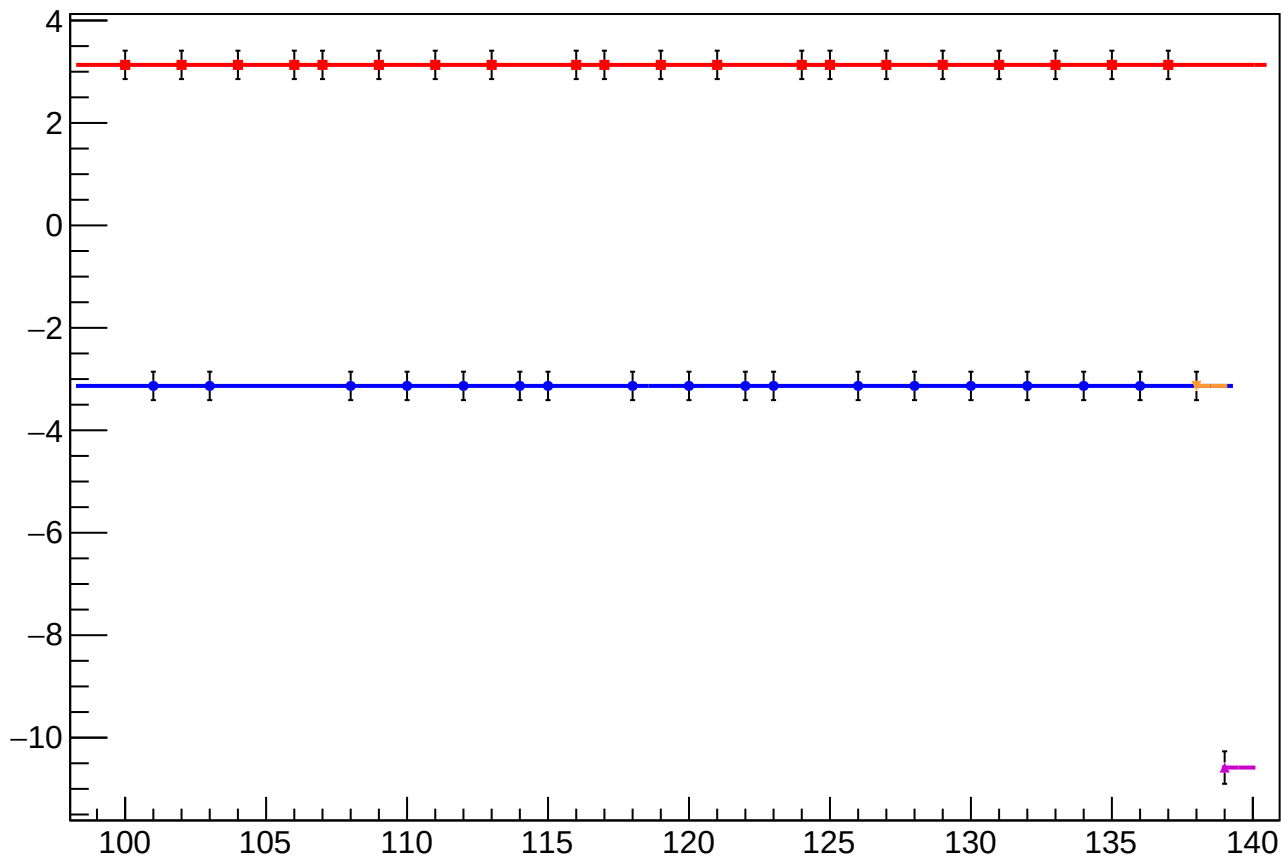
Left In: -0.359 ± 0.015 χ^2/NDF : 0.0/0

-0.081 ± 0.007 χ^2/NDF : 7411.3/17

0.025 ± 0.005 χ^2/NDF : 15482.7/38

0.124 ± 0.006 χ^2/NDF : 7581.8/20

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.133 $\pm$ 0.067 χ^2/NDF : 0.0/16

Left Out: -3.133 $\pm$ 0.278 χ^2/NDF : 0.0/0

Right Out: 3.133 $\pm$ 0.062 χ^2/NDF : 0.0/19

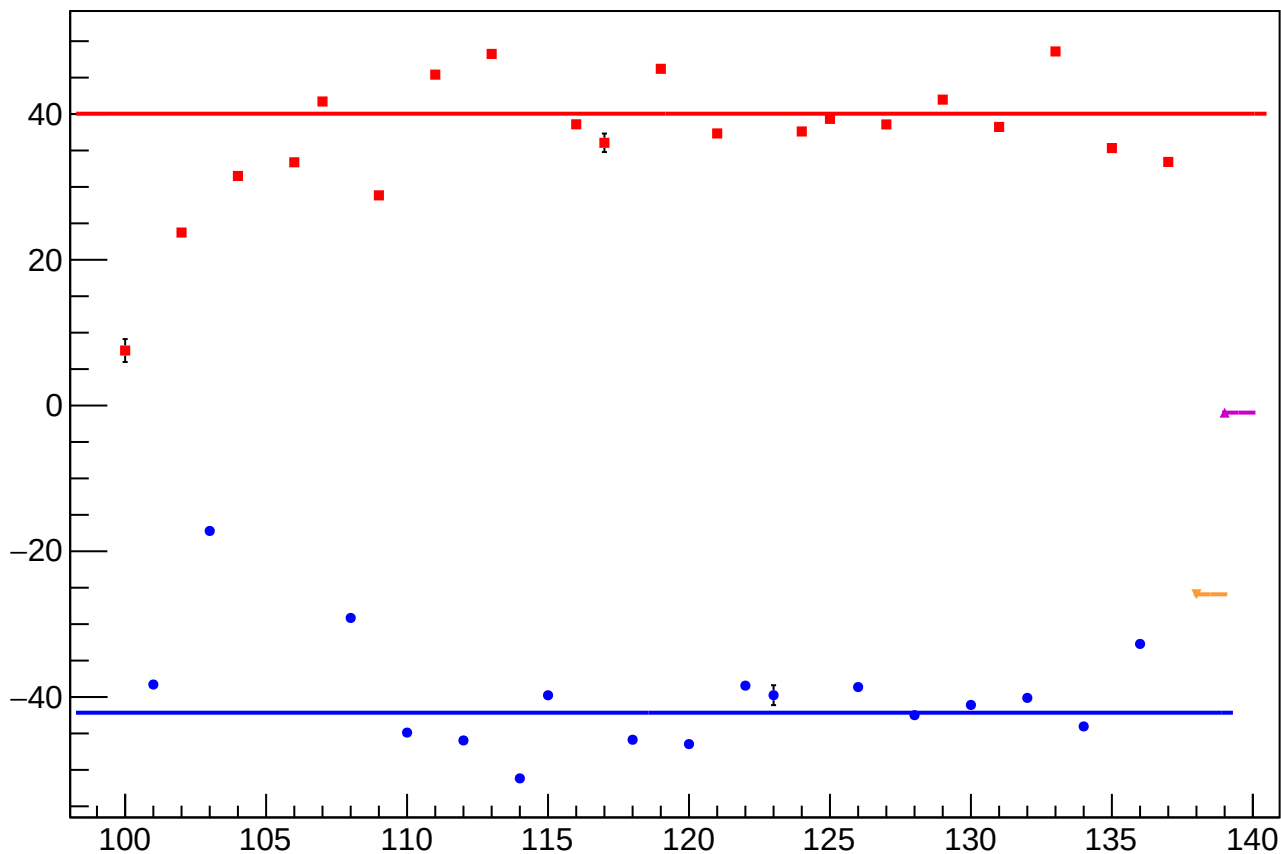
Left In: -10.584 $\pm$ 0.317 χ^2/NDF : 0.0/0

-3.133 $\pm$ 0.065 χ^2/NDF : 0.0/17

-0.047 $\pm$ 0.045 χ^2/NDF : 5956.4/38

2.627 $\pm$ 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: -25.906 ± 0.269 χ^2/NDF : 0.0/0

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

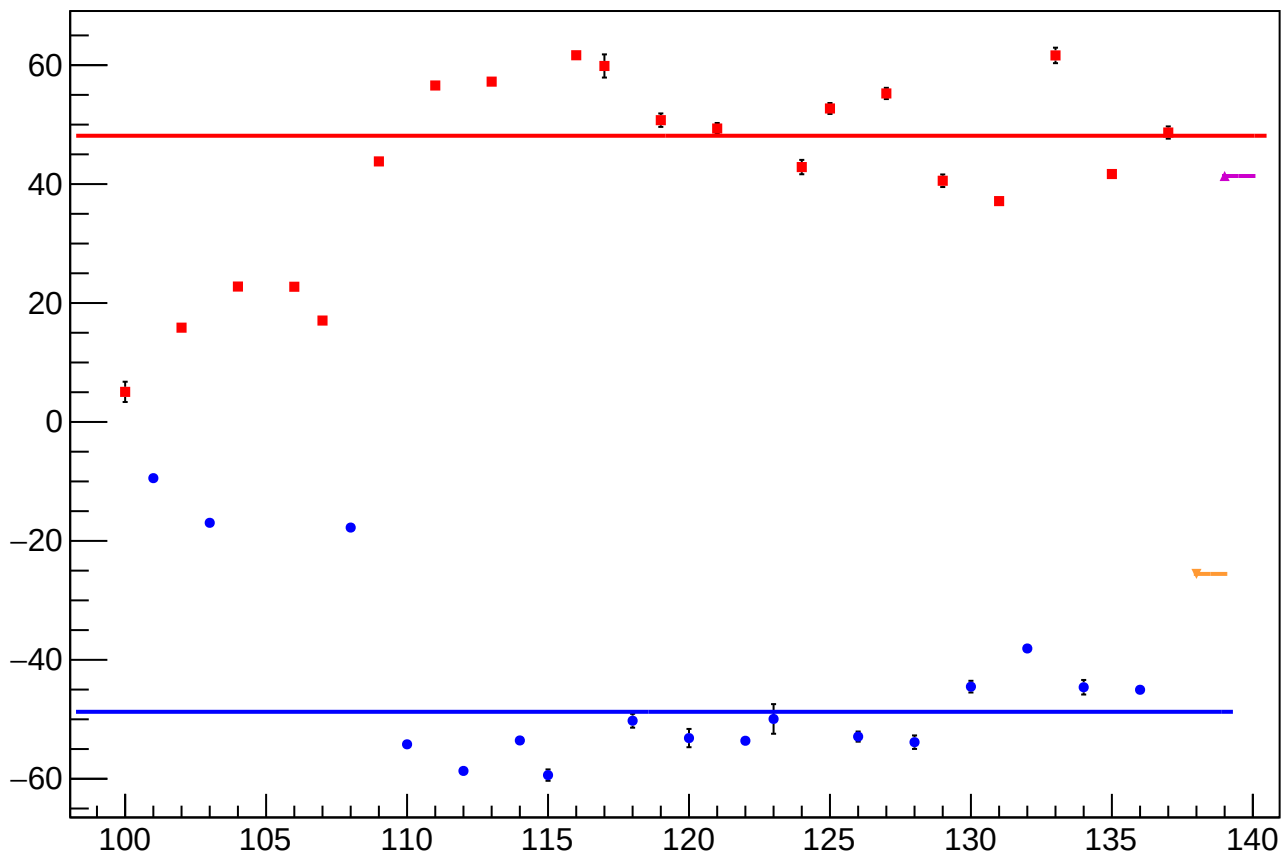
Left In: -0.972 ± 0.567 χ^2/NDF : 0.0/0

-40.895 ± 0.075 χ^2/NDF : 9917.1/17

0.814 ± 0.052 χ^2/NDF : 622653.0/38

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: -25.552 ± 0.301 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 48.127 ± 0.107 $\chi^2/\text{NDF}: 11769.6/19$

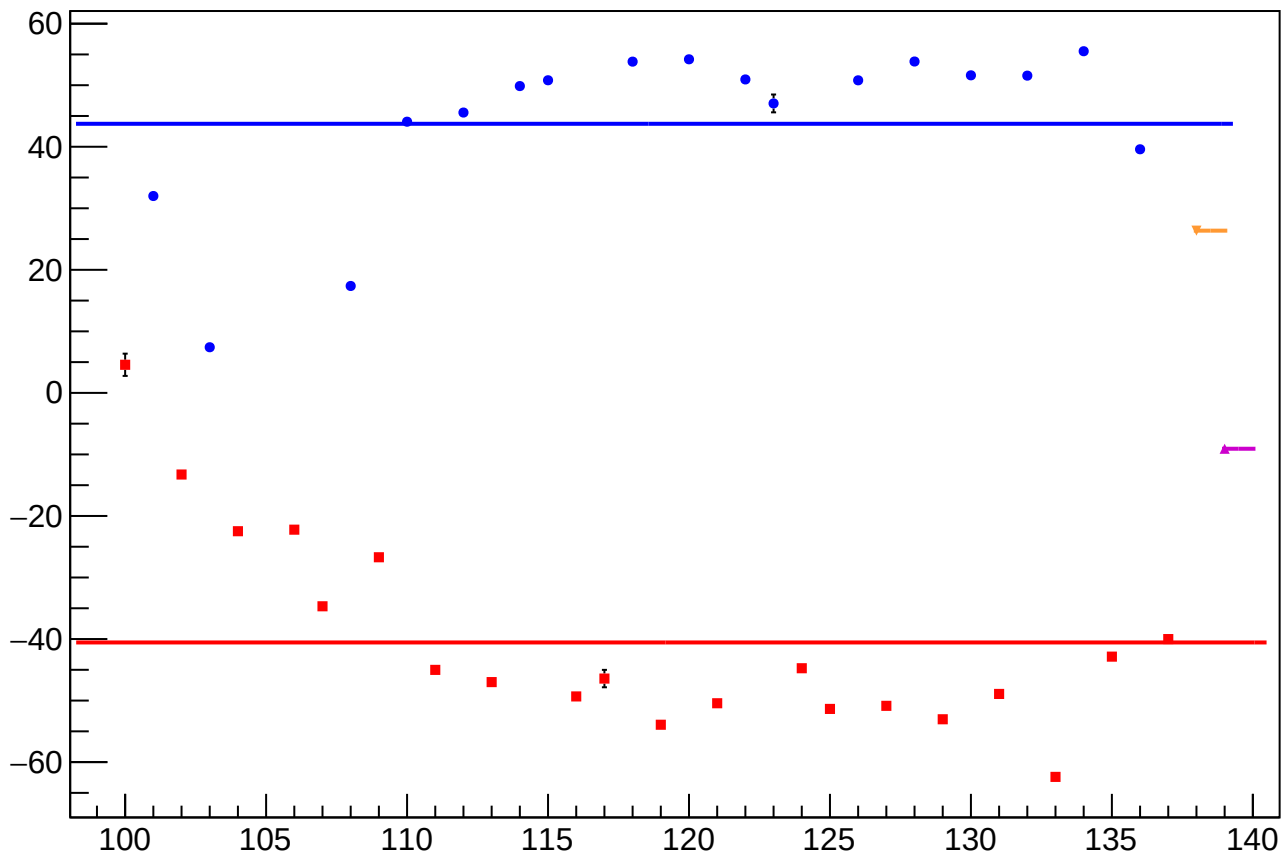
Left In: 41.359 ± 0.344 $\chi^2/\text{NDF}: 0.0/0$

-45.343 ± 0.115 $\chi^2/\text{NDF}: 19730.0/17$

6.567 ± 0.076 $\chi^2/\text{NDF}: 395835.4/38$

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 χ^2/NDF : 10567.7/16

Left Out: 26.364+/-0.311 χ^2/NDF : 0.0/0

Right Out: -40.556+/-0.080 χ^2/NDF : 17618.6/19

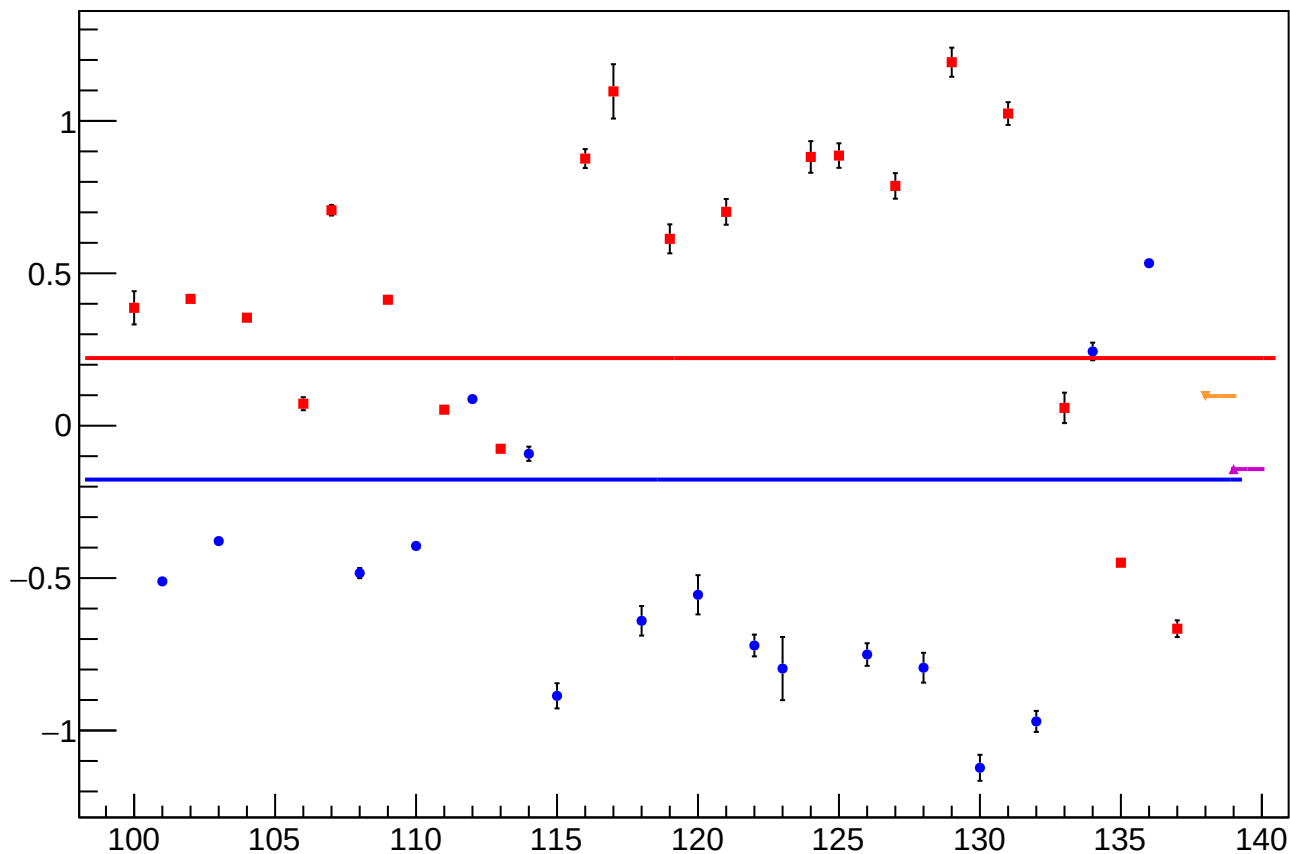
Left In: -9.077+/-0.545 χ^2/NDF : 0.0/0

42.473+/-0.084 χ^2/NDF : 13463.9/17

-0.948+/-0.058 χ^2/NDF : 545599.3/38

-39.892+/-0.079 χ^2/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: 0.097 ± 0.012 χ^2/NDF : 0.0/0

Right Out: 0.222 ± 0.004 χ^2/NDF : 7527.0/19

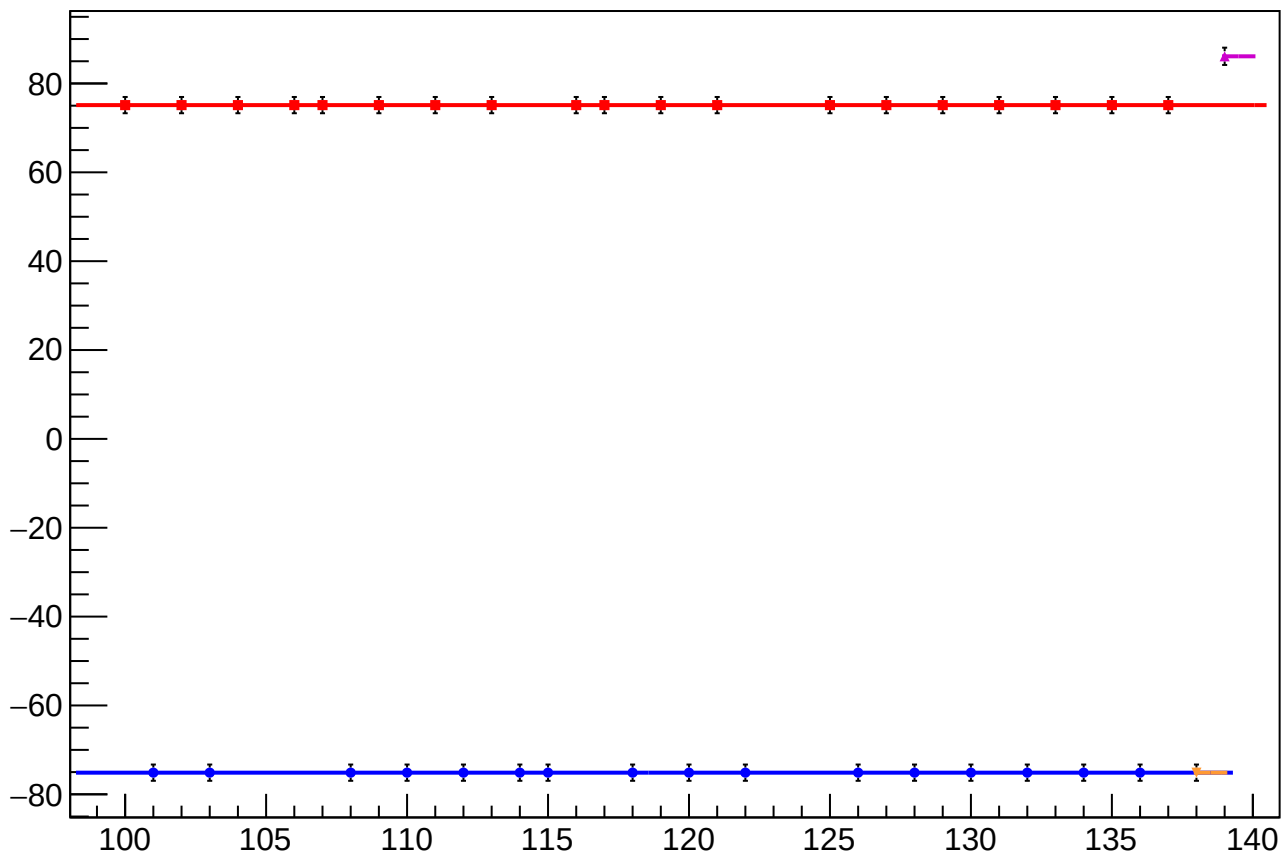
Left In: -0.142 ± 0.012 χ^2/NDF : 0.0/0

-0.138 ± 0.004 χ^2/NDF : 7816.8/17

0.038 ± 0.003 χ^2/NDF : 18942.5/38

0.181 ± 0.004 χ^2/NDF : 8342.0/20

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -75.129 ± 0.457 χ^2/NDF : 0.0/15

Left Out: -75.129 ± 1.830 χ^2/NDF : 0.0/0

Right Out: 75.129 ± 0.420 χ^2/NDF : 0.0/18

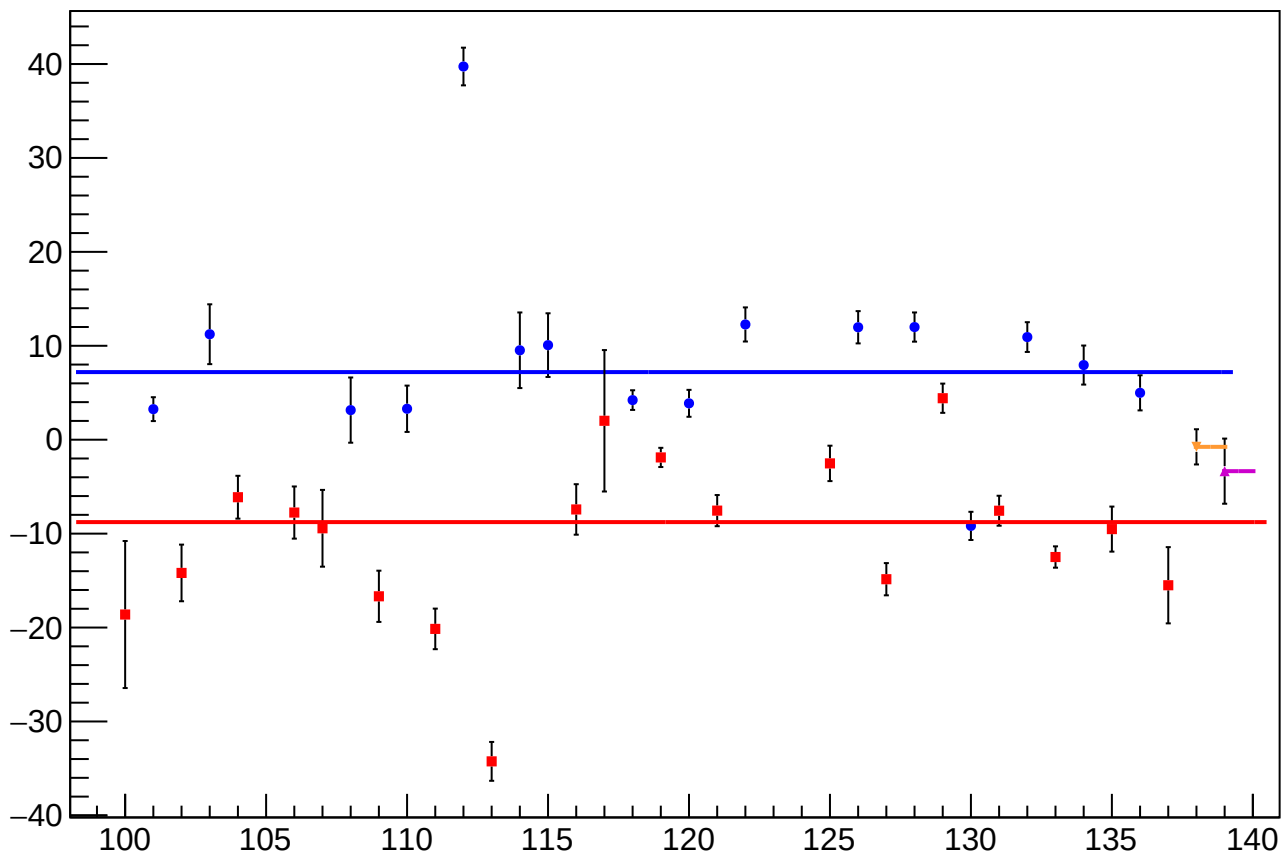
Left In: 86.112 ± 1.945 χ^2/NDF : 0.0/0

-75.129 ± 0.444 χ^2/NDF : 0.0/16

6.139 ± 0.301 χ^2/NDF : 62231.2/36

75.618 ± 0.410 χ^2/NDF : 30.5/19

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: -0.761 ± 1.875 χ^2/NDF : 0.0/0

Right Out: -8.772 ± 0.447 χ^2/NDF : 351.7/18

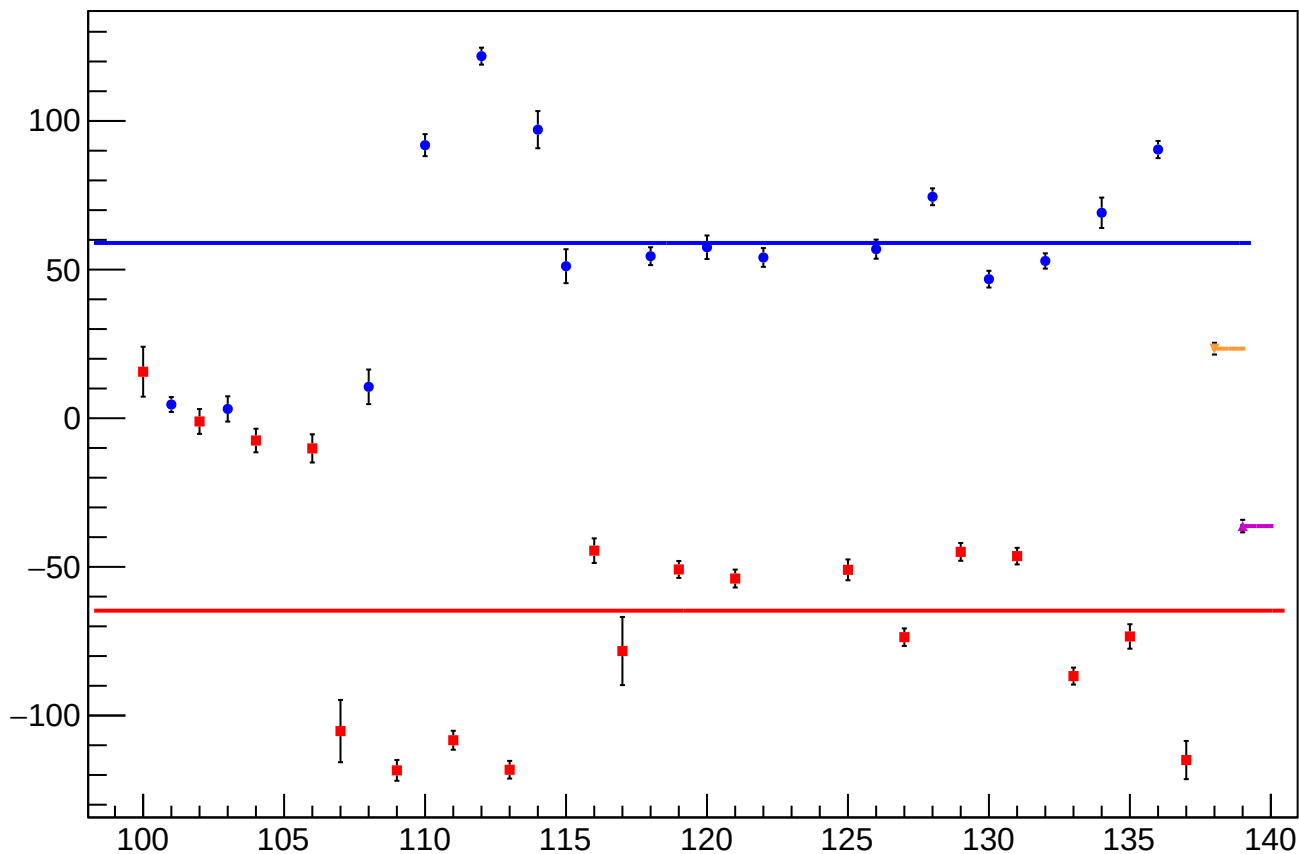
Left In: -3.349 ± 3.468 χ^2/NDF : 0.0/0

6.785 ± 0.428 χ^2/NDF : 460.9/16

-0.675 ± 0.308 χ^2/NDF : 1445.2/36

-8.684 ± 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: 23.404+/-1.984 χ^2/NDF : 0.0/0

Right Out: -64.728+/-0.838 χ^2/NDF : 1723.2/18

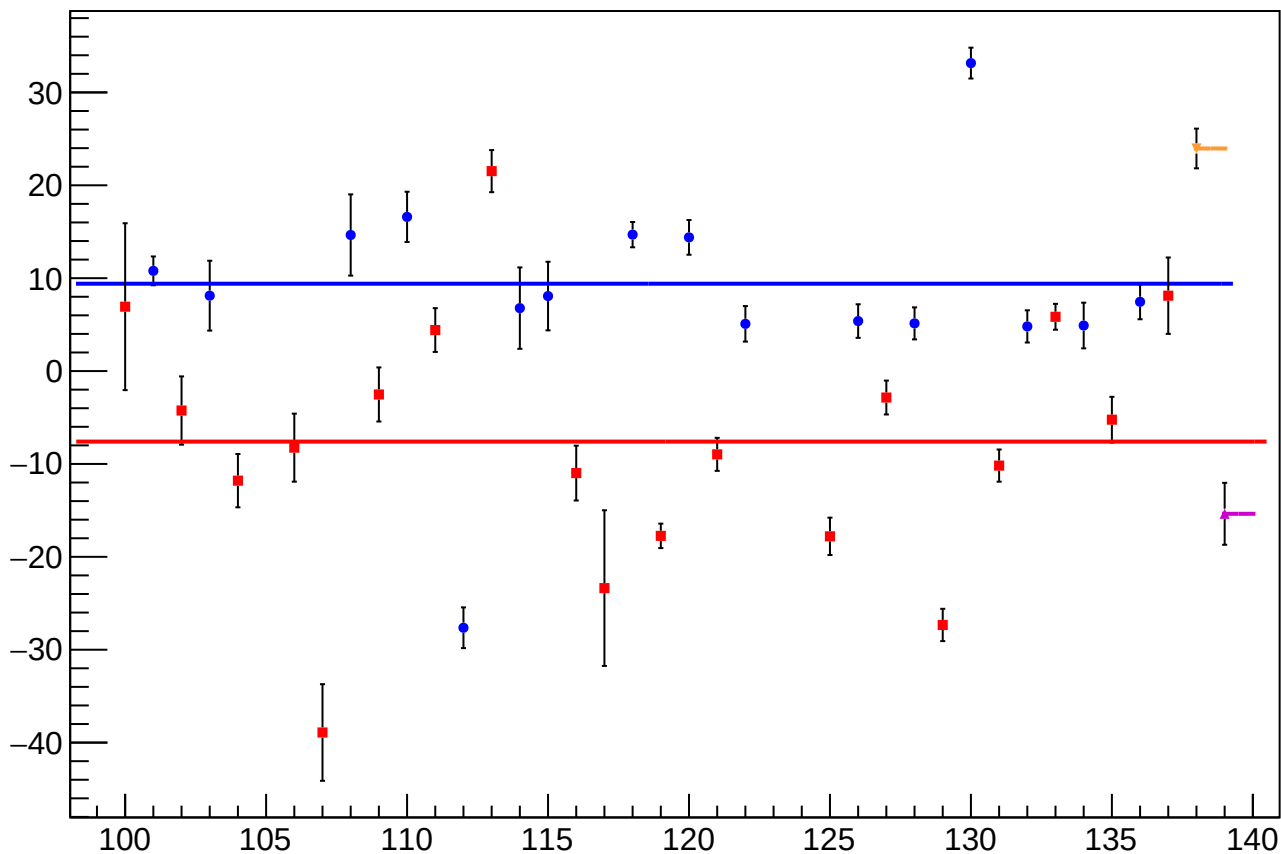
Left In: -36.273+/-2.110 χ^2/NDF : 0.0/0

53.591+/-0.771 χ^2/NDF : 1769.2/16

-3.077+/-0.548 χ^2/NDF : 14555.0/36

-60.853+/-0.779 χ^2/NDF : 1880.4/19

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 $\pm$ 0.507 χ^2 /NDF: 549.5/15

Left Out: 23.964 $\pm$ 2.137 χ^2 /NDF: 0.0/0

Right Out: -7.593 $\pm$ 0.514 χ^2 /NDF: 573.4/18

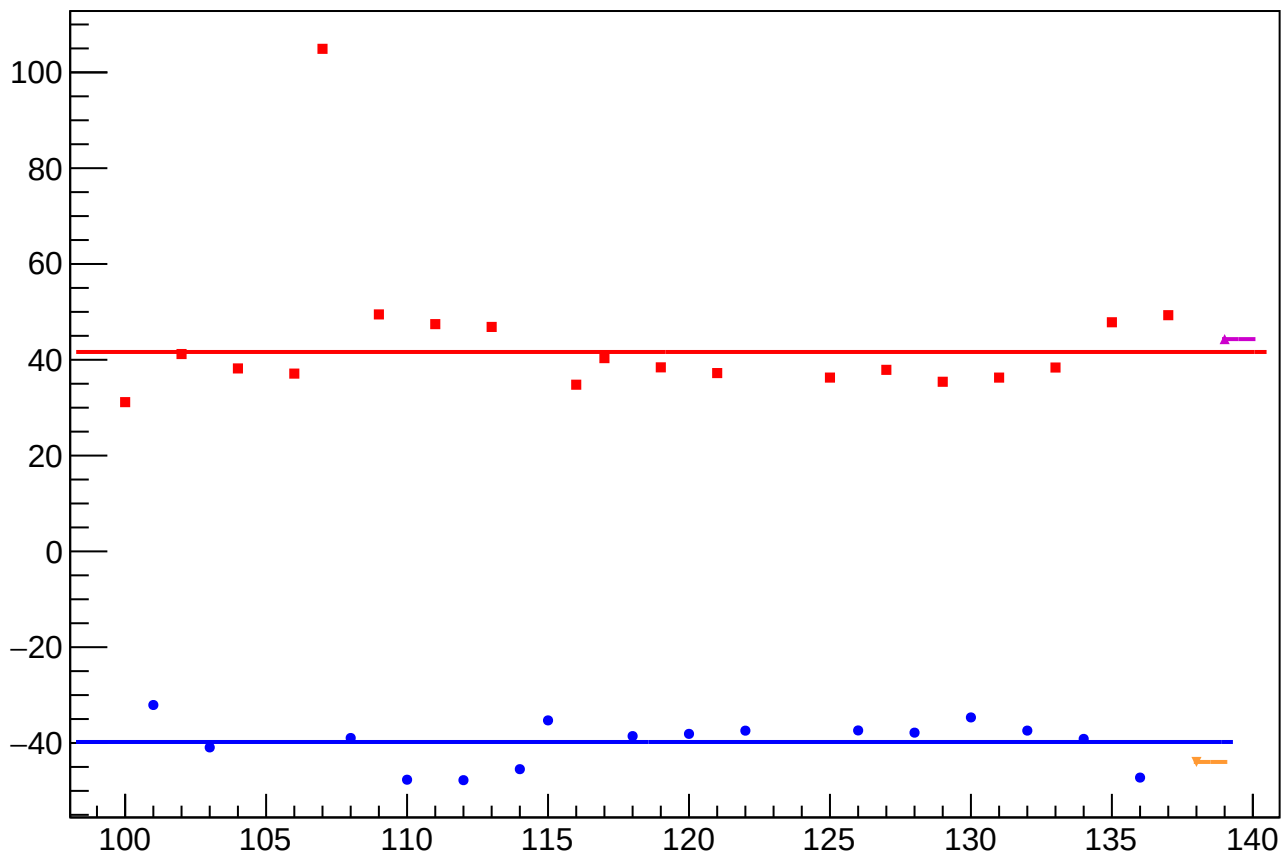
Left In: -15.367 $\pm$ 3.335 χ^2 /NDF: 0.0/0

10.180 $\pm$ 0.493 χ^2 /NDF: 593.5/16

1.469 $\pm$ 0.354 χ^2 /NDF: 1815.4/36

-7.773 $\pm$ 0.508 χ^2 /NDF: 578.7/19

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -43.960 ± 0.078 χ^2/NDF : 0.0/0

Right Out: 41.631 ± 0.031 χ^2/NDF : 94399.1/18

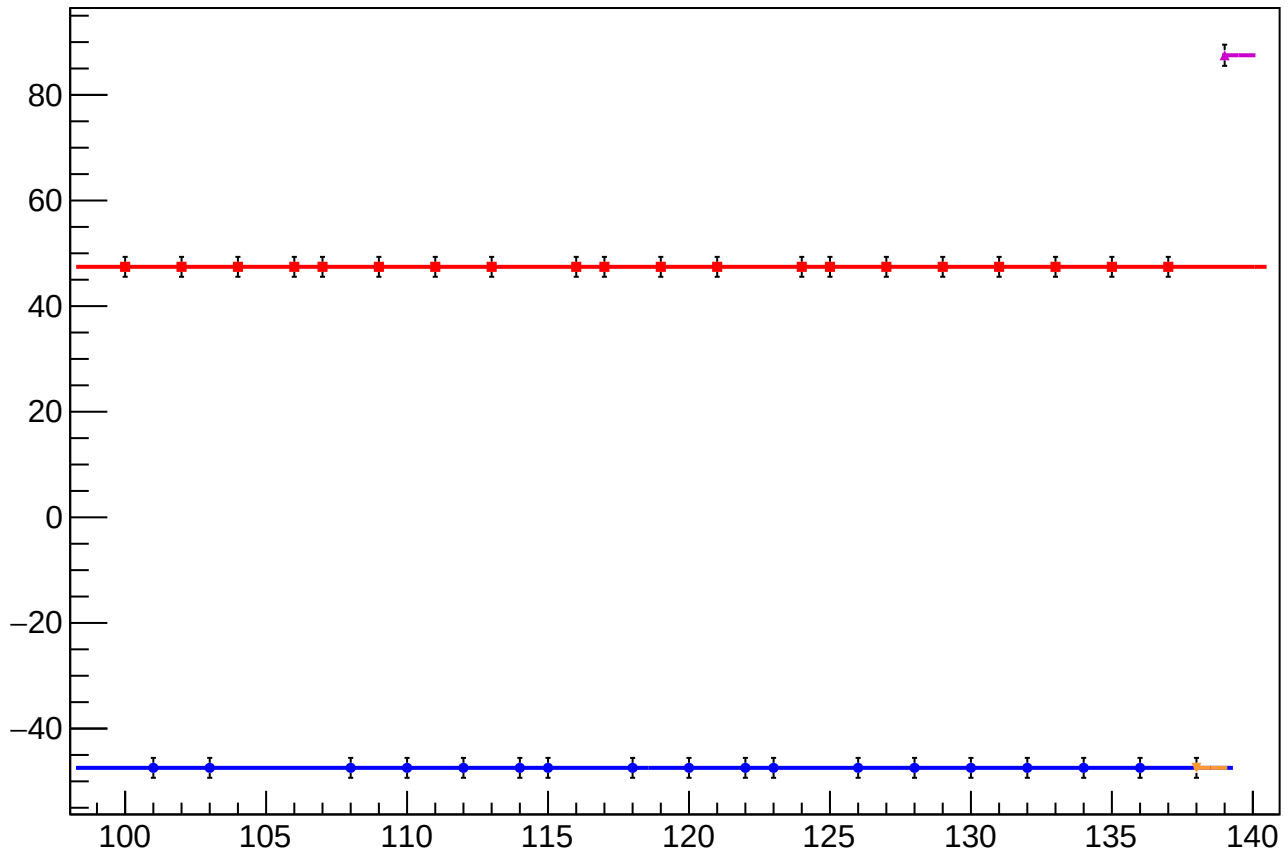
Left In: 44.316 ± 0.074 χ^2/NDF : 0.0/0

-40.366 ± 0.029 χ^2/NDF : 28597.5/16

1.268 ± 0.020 χ^2/NDF : 4205754.8/36

42.039 ± 0.029 χ^2/NDF : 95527.9/19

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.442 ± 0.457 χ^2/NDF : 0.0/16

Left Out: -47.442 ± 1.885 χ^2/NDF : 0.0/0

Right Out: 47.442 ± 0.421 χ^2/NDF : 0.0/19

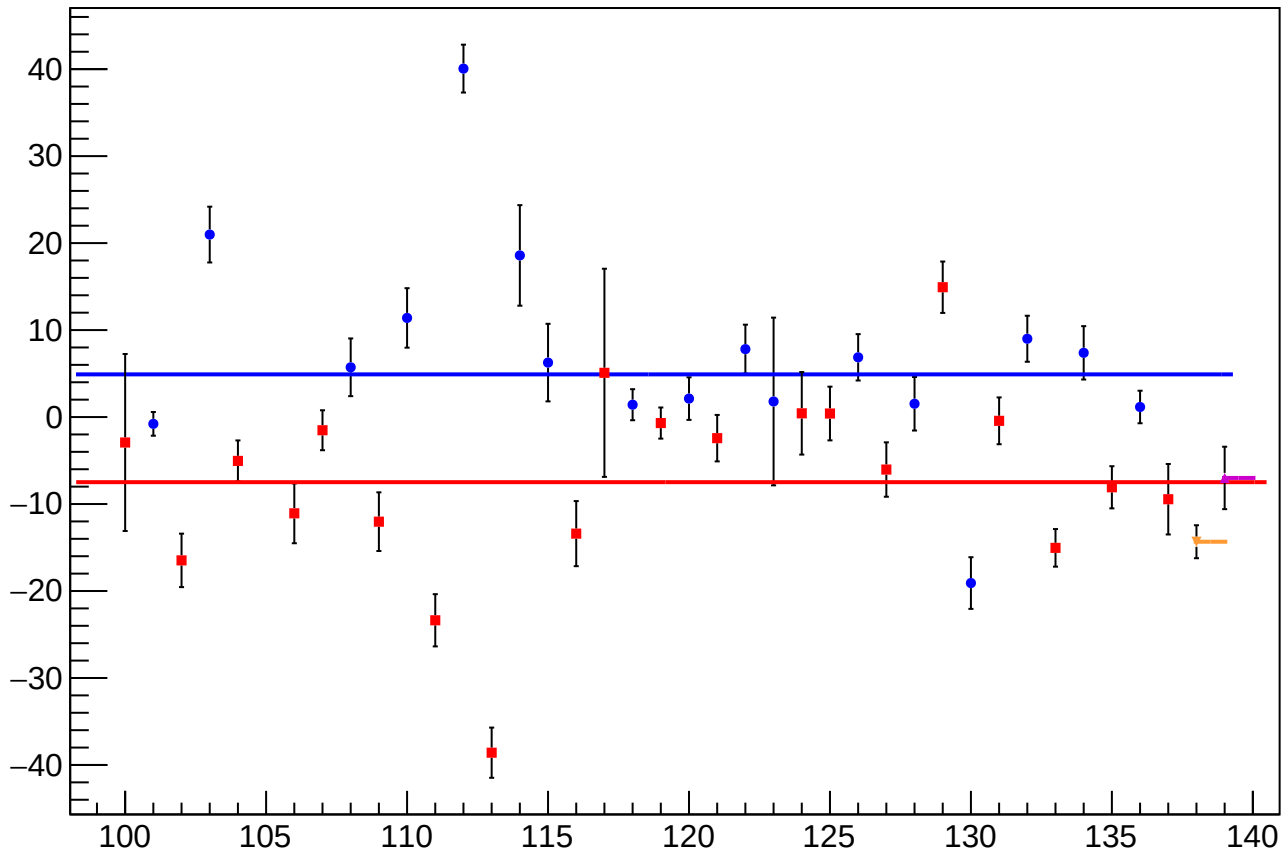
Left In: 87.509 ± 2.005 χ^2/NDF : 0.0/0

-47.442 ± 0.444 χ^2/NDF : 0.0/17

4.429 ± 0.302 χ^2/NDF : 25766.0/38

49.137 ± 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: -14.334 ± 1.896 χ^2/NDF : 0.0/0

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

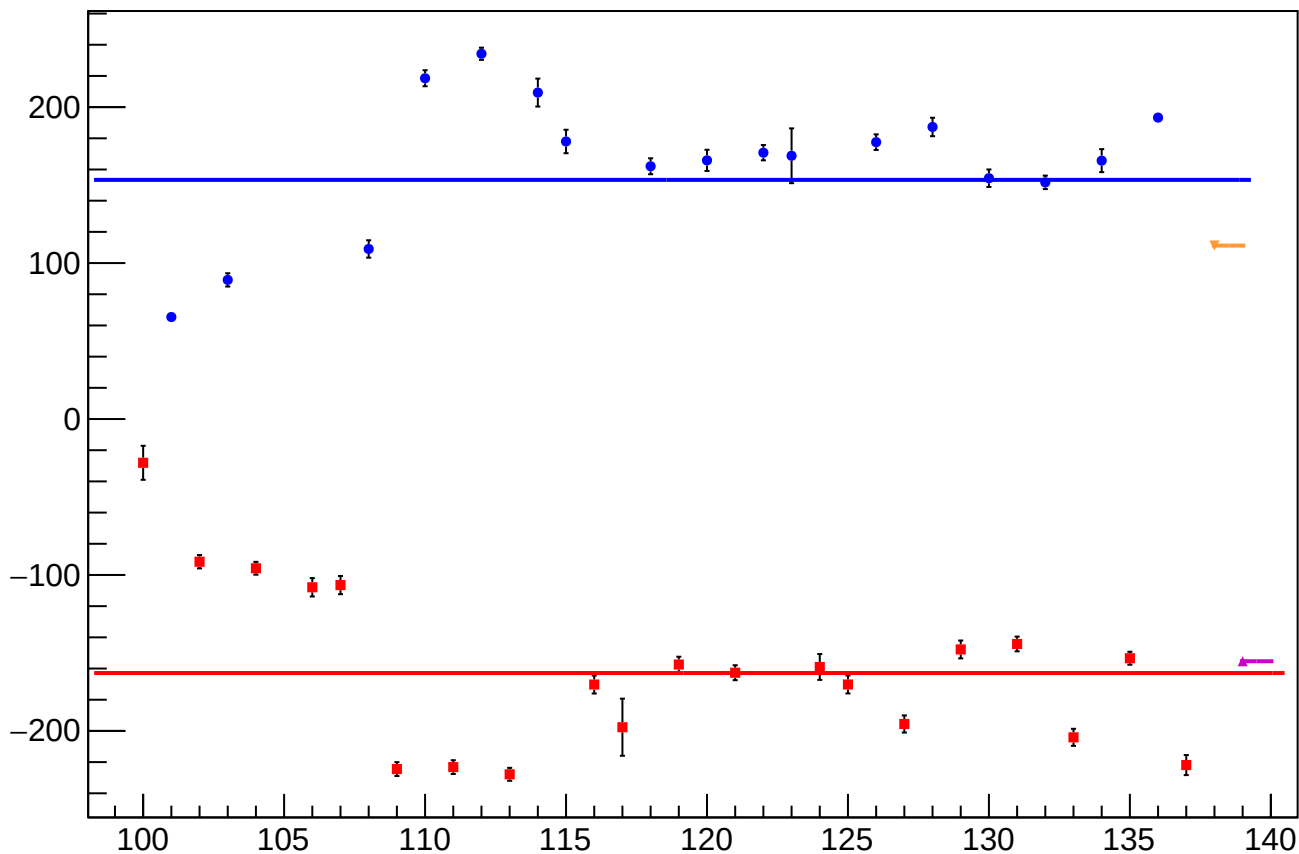
Left In: -7.000 ± 3.590 χ^2/NDF : 0.0/0

3.006 ± 0.596 χ^2/NDF : 388.2/17

-1.866 ± 0.436 χ^2/NDF : 803.6/38

-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: 111.215 $\pm$ 2.043 χ^2 /NDF: 0.0/0

Right Out: -162.878 $\pm$ 1.174 χ^2 /NDF: 1712.4/19

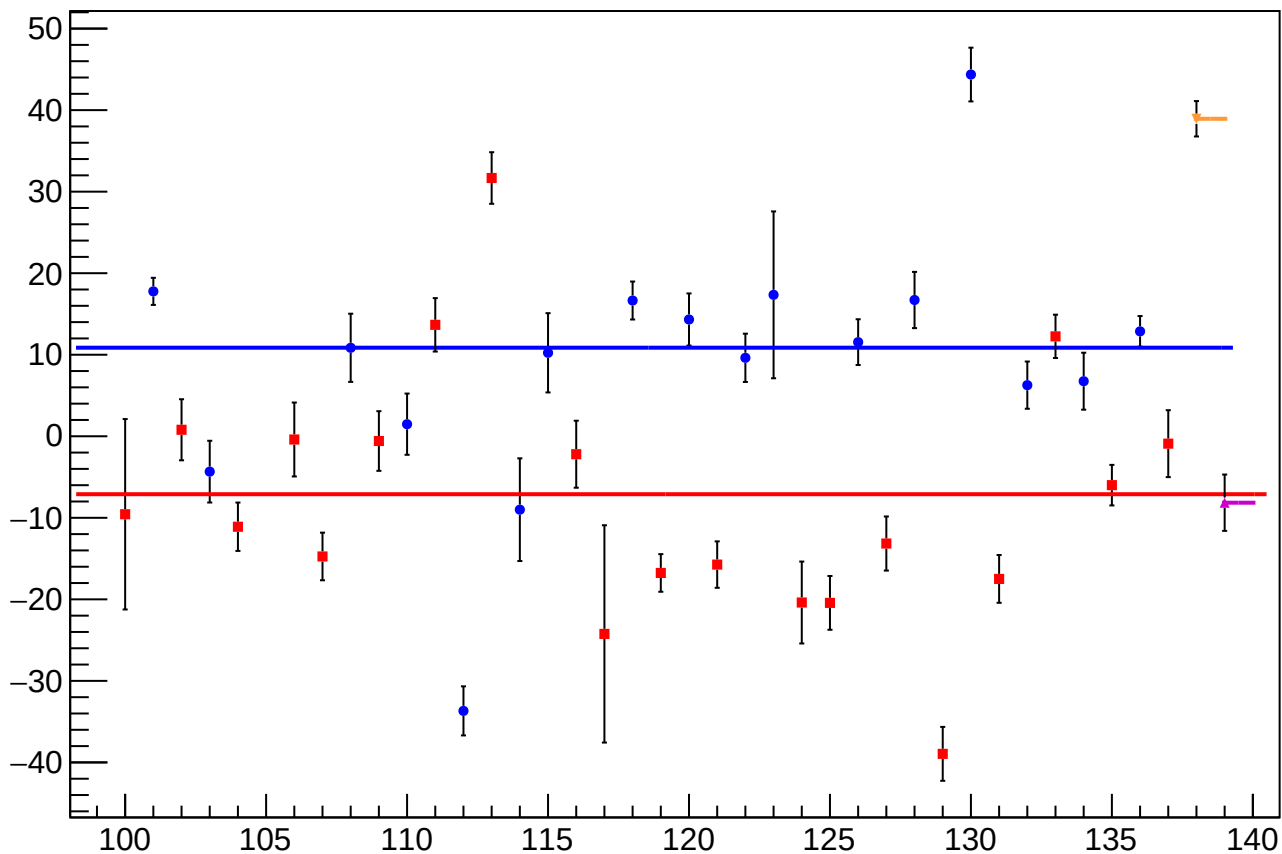
Left In: -155.324 $\pm$ 2.173 χ^2 /NDF: 0.0/0

143.213 $\pm$ 1.002 χ^2 /NDF: 2591.2/17

-4.363 $\pm$ 0.719 χ^2 /NDF: 49023.6/38

-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: 38.939 $\pm$ 2.171 χ^2 /NDF: 0.0/0

Right Out: -7.106 $\pm$ 0.746 χ^2 /NDF: 426.4/19

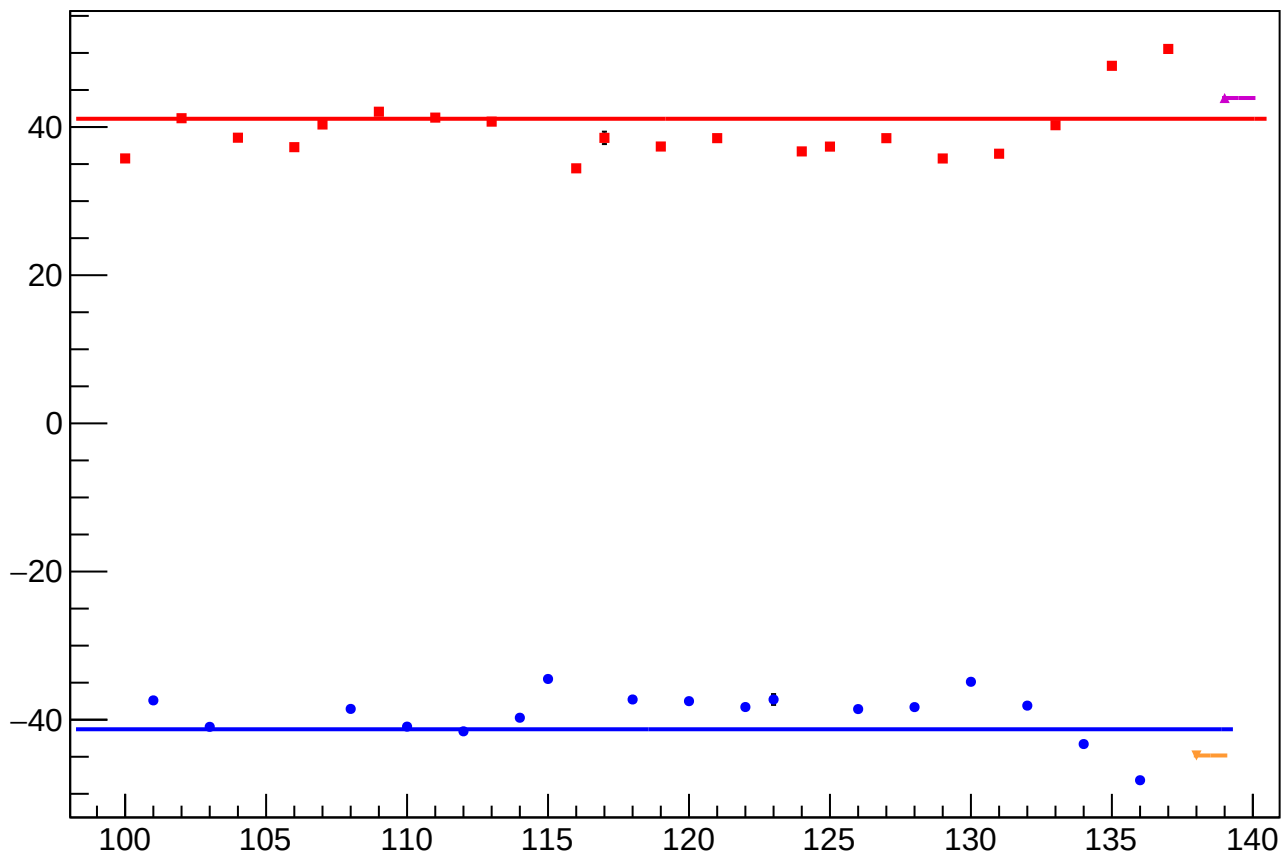
Left In: -8.149 $\pm$ 3.455 χ^2 /NDF: 0.0/0

13.642 $\pm$ 0.683 χ^2 /NDF: 538.6/17

3.930 $\pm$ 0.499 χ^2 /NDF: 1398.1/38

-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 χ^2/NDF : 12509.1/16

Left Out: -44.827±/0.081 χ^2/NDF : 0.0/0

Right Out: 41.115±/0.039 χ^2/NDF : 12120.1/19

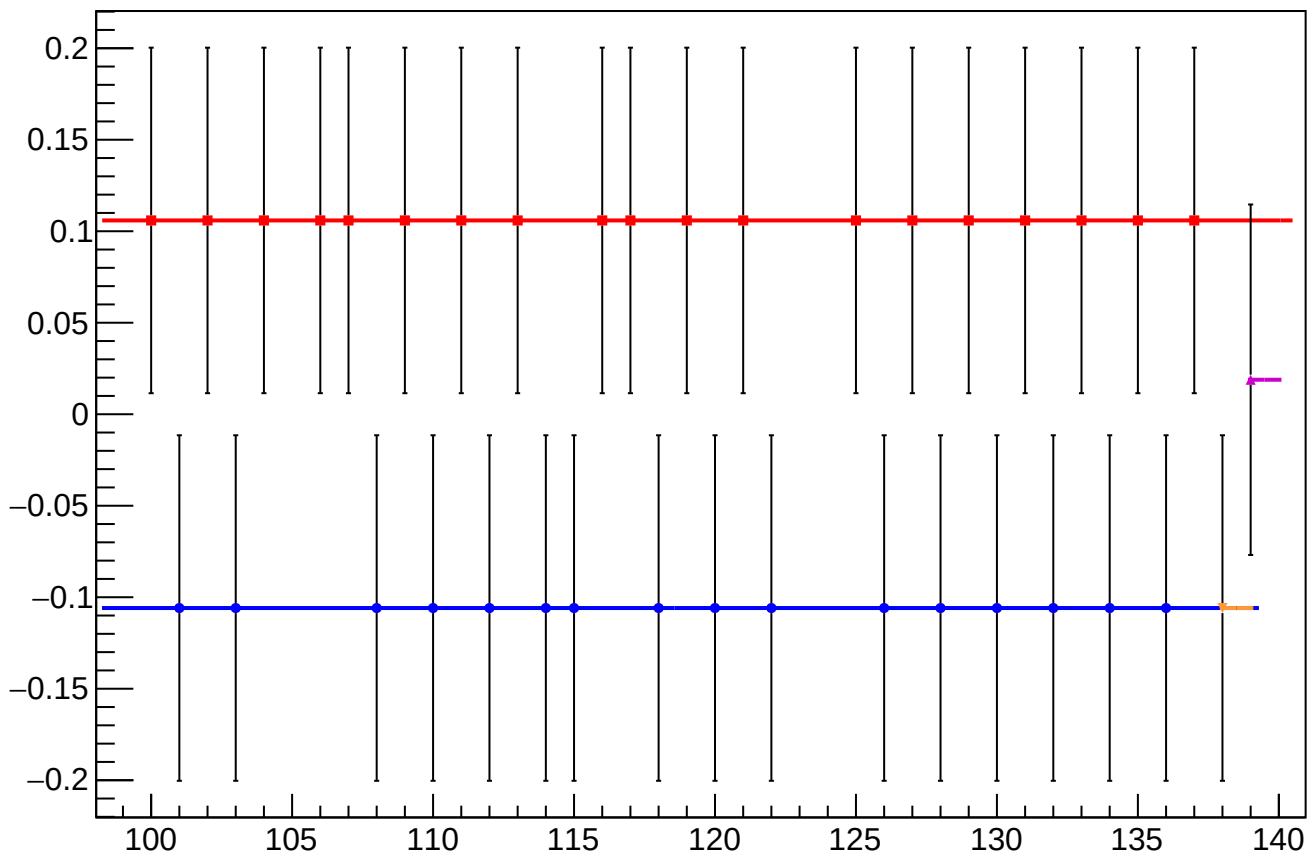
Left In: 43.917±/0.076 χ^2/NDF : 0.0/0

-41.947±/0.035 χ^2/NDF : 14072.4/17

0.319±/0.024 χ^2/NDF : 2940838.2/38

41.687±/0.034 χ^2/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: -0.106 ± 0.094 χ^2/NDF : 0.0/0

Right Out: 0.106 ± 0.022 χ^2/NDF : 0.0/18

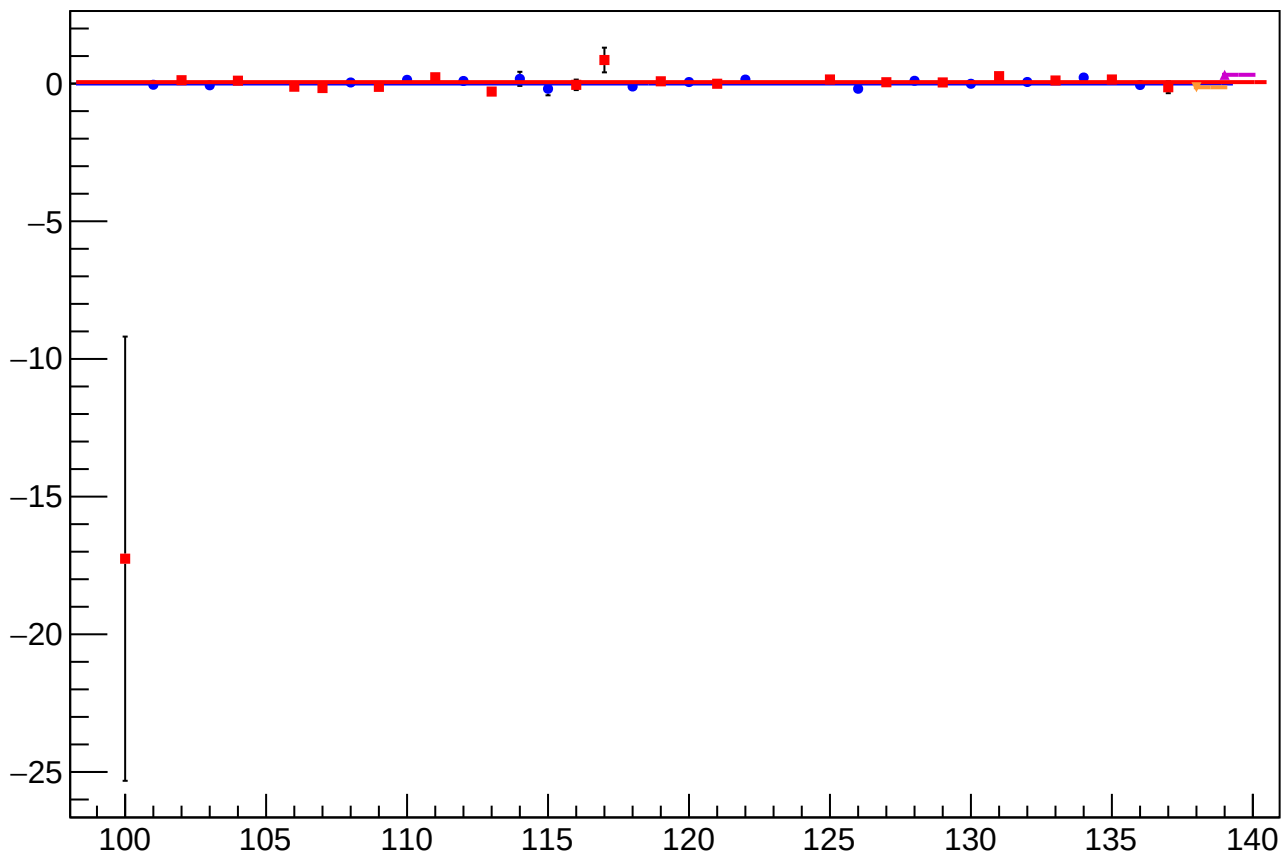
Left In: 0.019 ± 0.096 χ^2/NDF : 0.0/0

-0.106 ± 0.023 χ^2/NDF : 0.0/16

0.006 ± 0.016 χ^2/NDF : 45.2/36

0.102 ± 0.021 χ^2/NDF : 0.8/19

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15

Left Out: -0.134+/-0.101 χ^2/NDF : 0.0/0

Right Out: 0.053+/-0.029 χ^2/NDF : 28.8/18

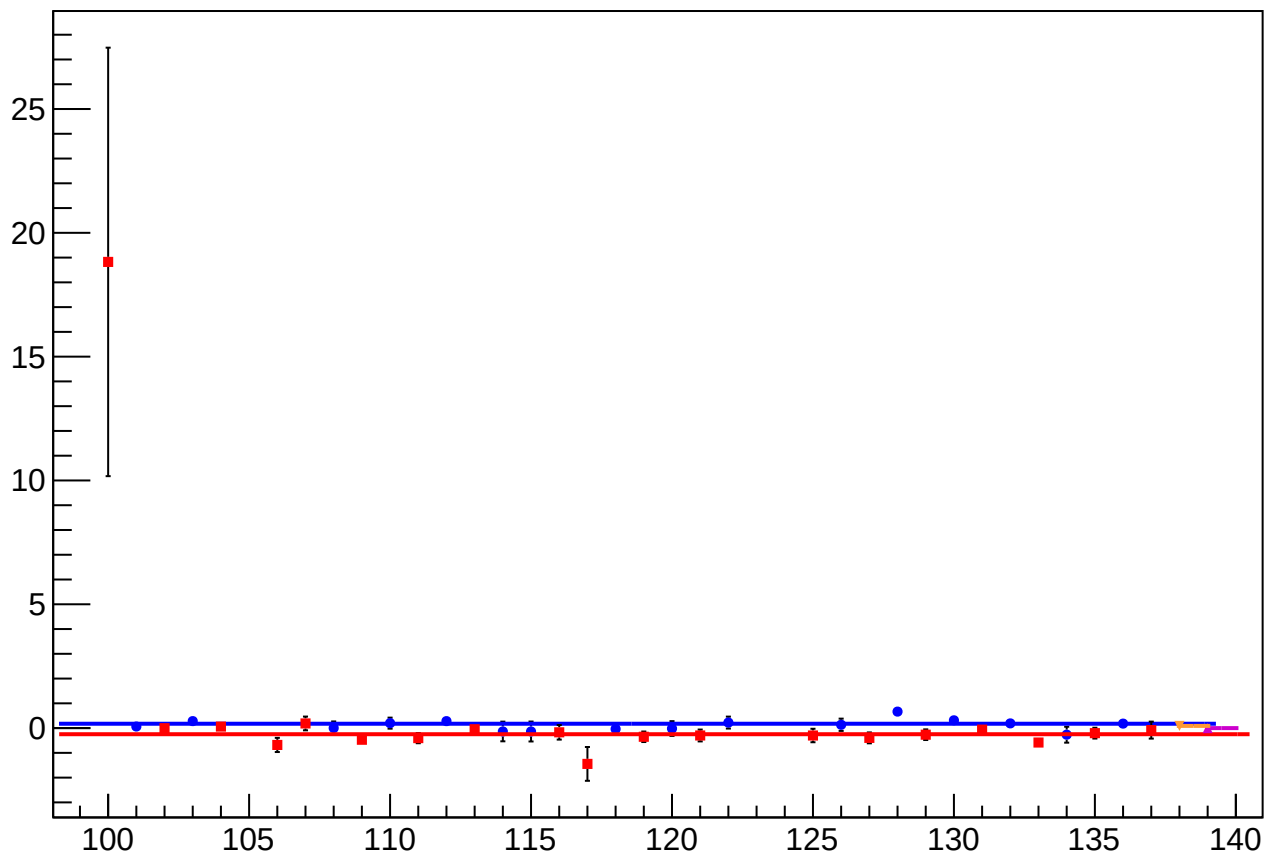
Left In: 0.319+/-0.172 χ^2/NDF : 0.0/0

-0.007+/-0.027 χ^2/NDF : 14.2/16

0.025+/-0.020 χ^2/NDF : 48.2/36

0.061+/-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: 0.089 ± 0.102 χ^2/NDF : 0.0/0

Right Out: -0.247 ± 0.054 χ^2/NDF : 24.7/18

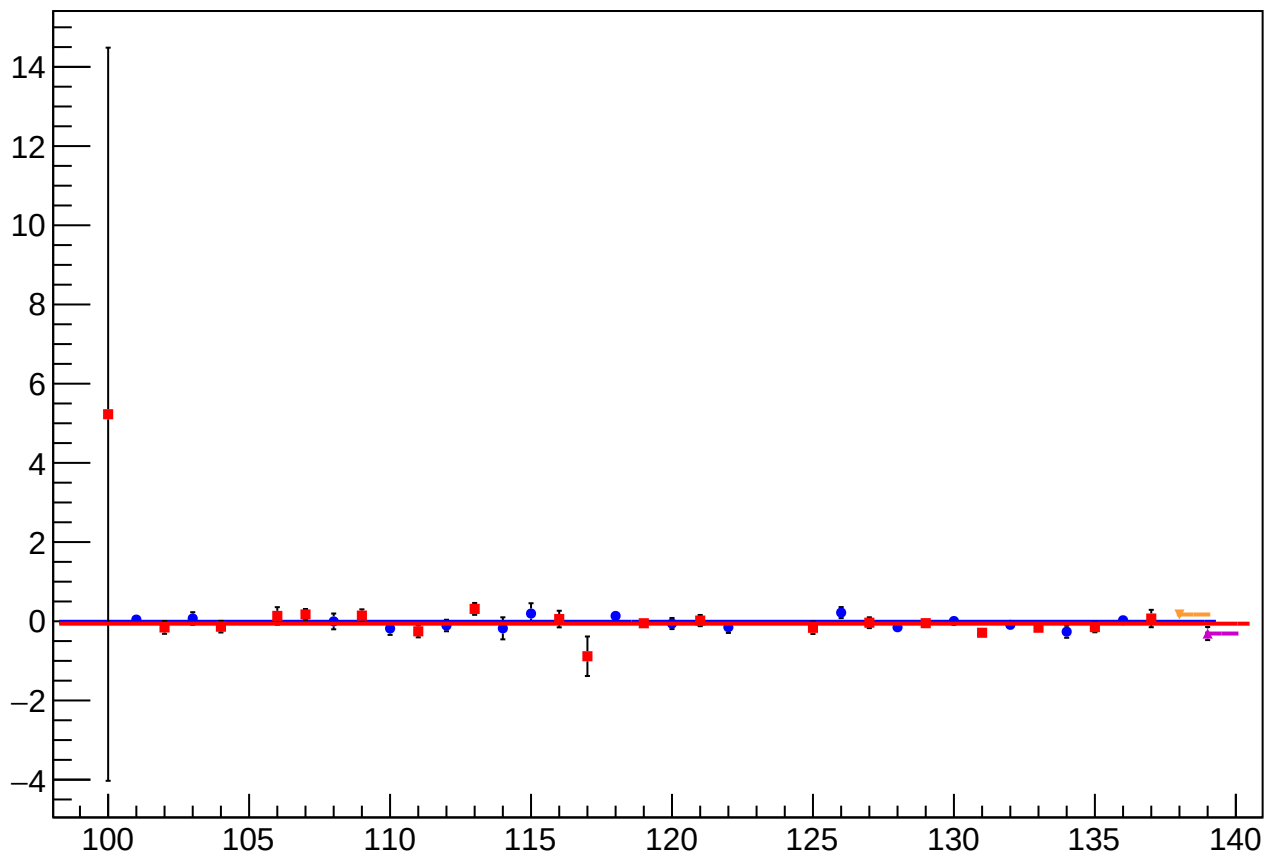
Left In: -0.001 ± 0.104 χ^2/NDF : 0.0/0

0.158 ± 0.047 χ^2/NDF : 13.5/16

-0.015 ± 0.033 χ^2/NDF : 70.6/36

-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: 0.171 ± 0.114 χ^2/NDF : 0.0/0

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

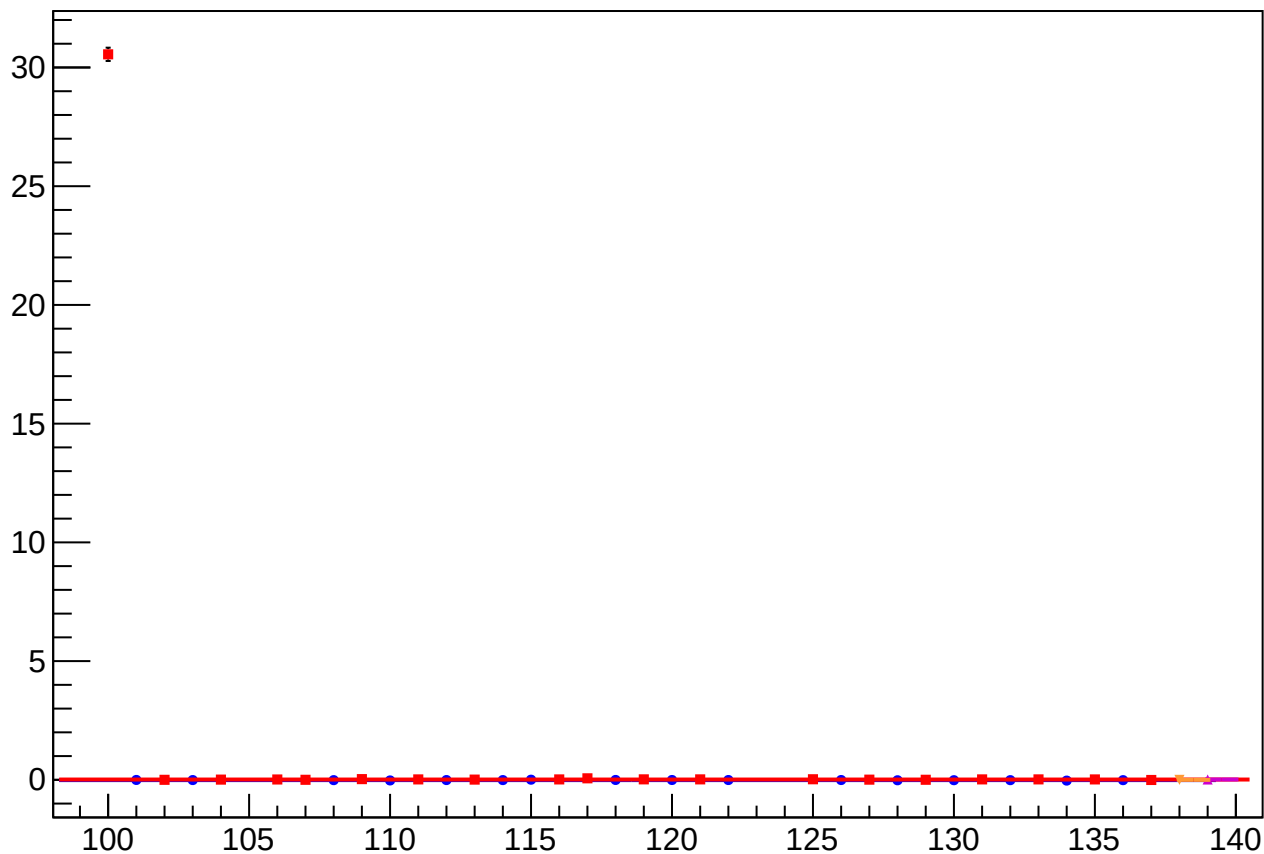
Left In: -0.310 ± 0.165 χ^2/NDF : 0.0/0

0.001 ± 0.032 χ^2/NDF : 16.1/16

-0.033 ± 0.023 χ^2/NDF : 43.8/36

-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: -0.002 ± 0.004 χ^2/NDF : 0.0/0

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

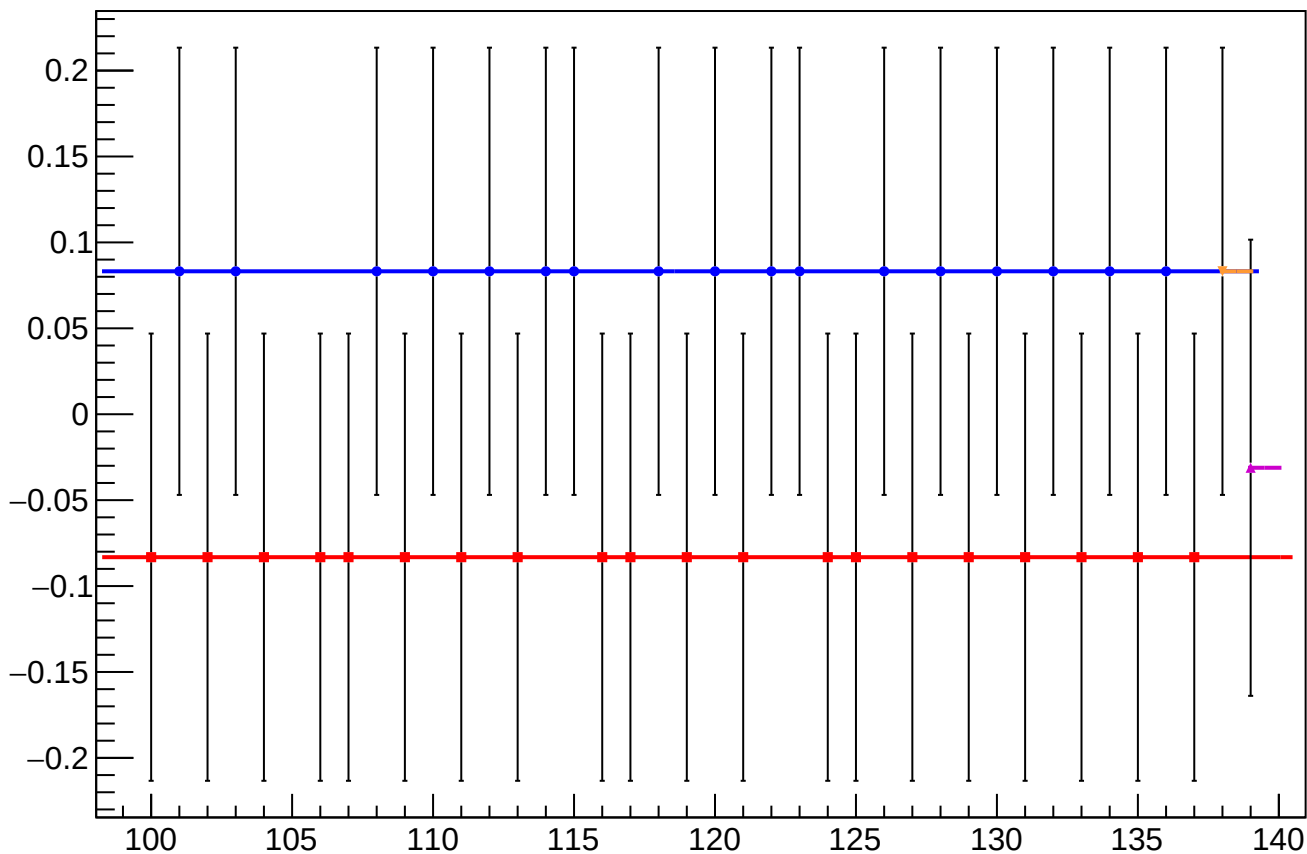
Left In: 0.015 ± 0.004 χ^2/NDF : 0.0/0

-0.010 ± 0.002 χ^2/NDF : 18.3/16

0.001 ± 0.001 χ^2/NDF : 12011.6/36

0.013 ± 0.002 χ^2/NDF : 11894.4/19

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.083 ± 0.032 χ^2/NDF : 0.0/16

Left Out: 0.083 ± 0.130 χ^2/NDF : 0.0/0

Right Out: -0.083 ± 0.029 χ^2/NDF : 0.0/19

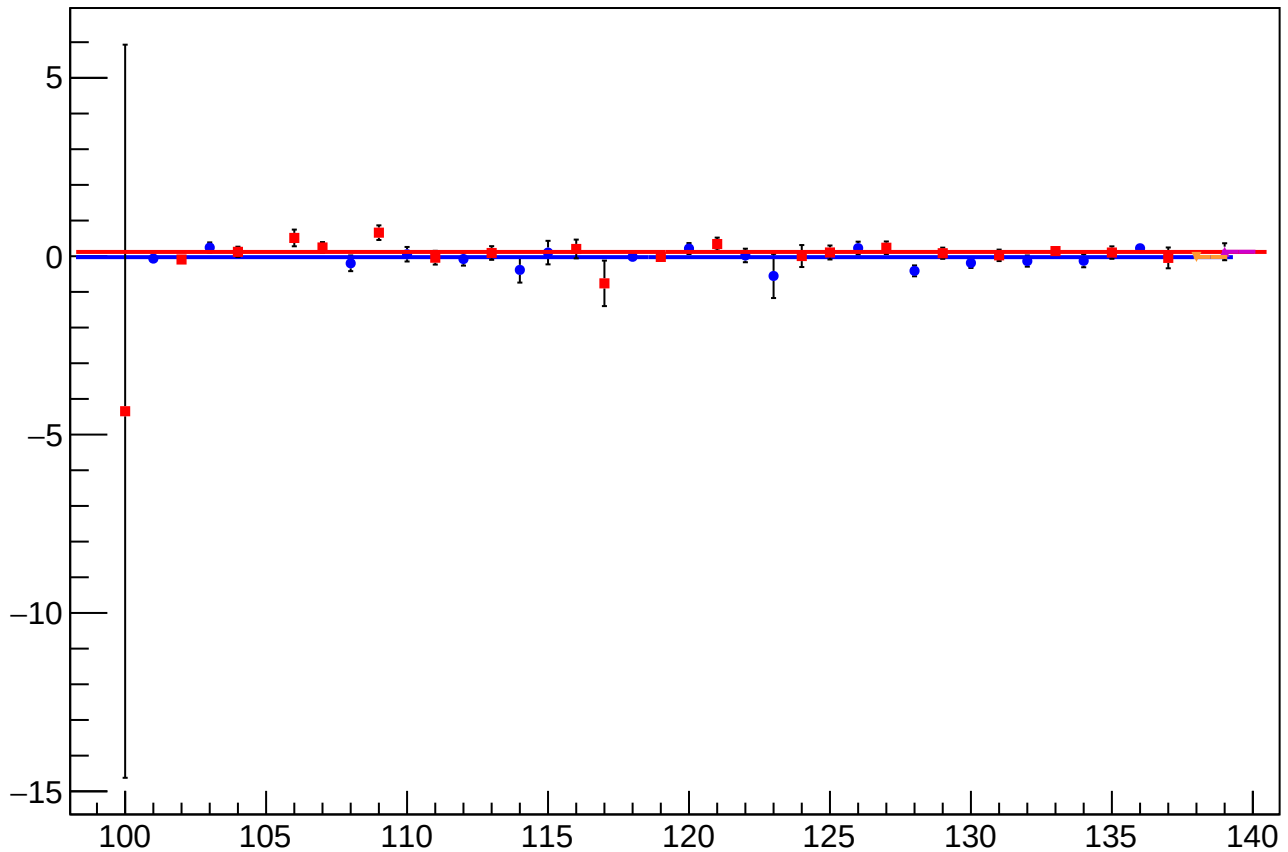
Left In: -0.031 ± 0.133 χ^2/NDF : 0.0/0

0.083 ± 0.031 χ^2/NDF : 0.0/17

-0.005 ± 0.021 χ^2/NDF : 15.5/38

-0.081 ± 0.028 χ^2/NDF : 0.1/20

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.020 ± 0.140 χ^2/NDF : 0.0/0

Right Out: 0.120 ± 0.039 χ^2/NDF : 20.2/19

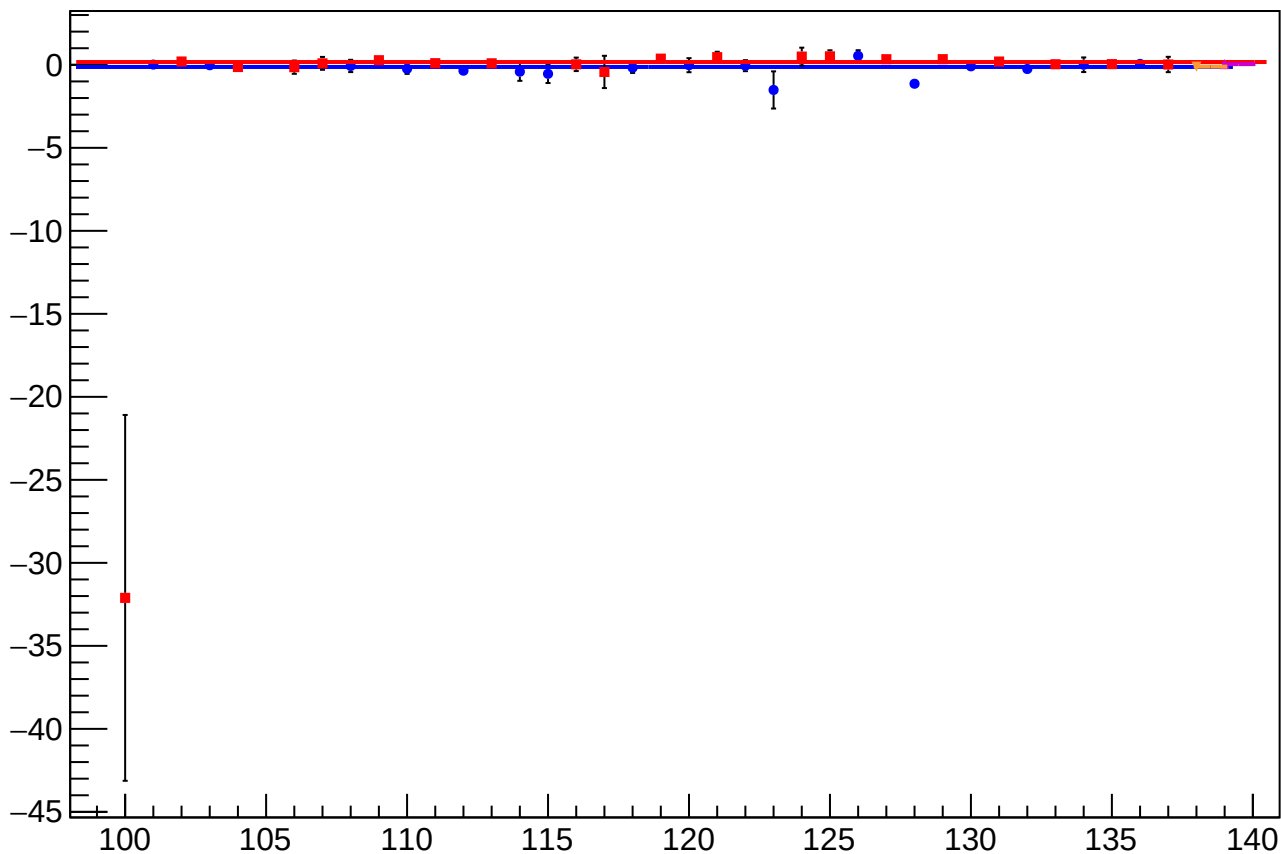
Left In: 0.126 ± 0.238 χ^2/NDF : 0.0/0

-0.026 ± 0.036 χ^2/NDF : 22.7/17

0.041 ± 0.026 χ^2/NDF : 50.6/38

0.120 ± 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: -0.109 ± 0.141 χ^2/NDF : 0.0/0

Right Out: 0.169 ± 0.071 χ^2/NDF : 15.3/19

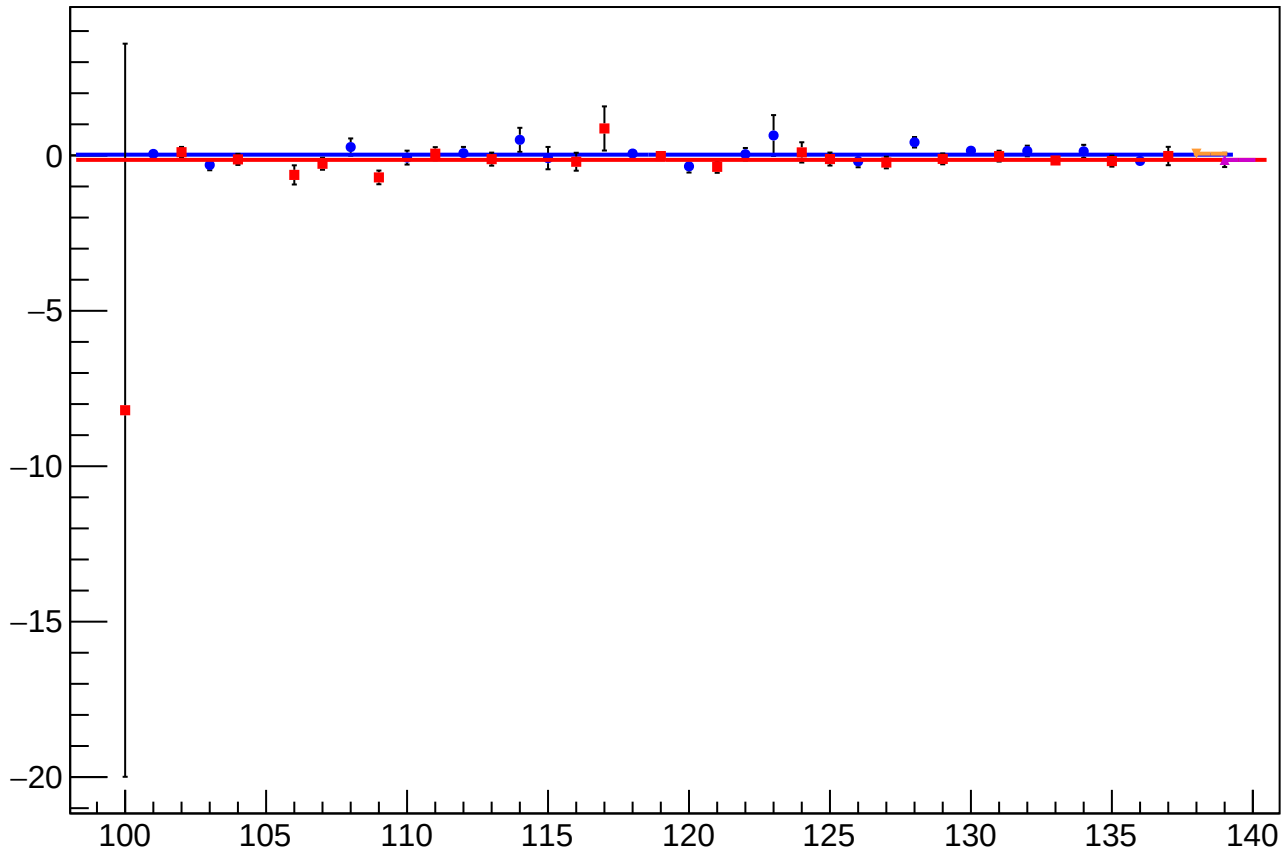
Left In: 0.042 ± 0.144 χ^2/NDF : 0.0/0

-0.126 ± 0.061 χ^2/NDF : 23.1/17

0.003 ± 0.044 χ^2/NDF : 48.5/38

0.144 ± 0.064 χ^2/NDF : 15.9/20

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.043 χ^2 /NDF: 21.3/16

Left Out: 0.056 $\pm$ 0.157 χ^2 /NDF: 0.0/0

Right Out: -0.144 $\pm$ 0.045 χ^2 /NDF: 18.6/19

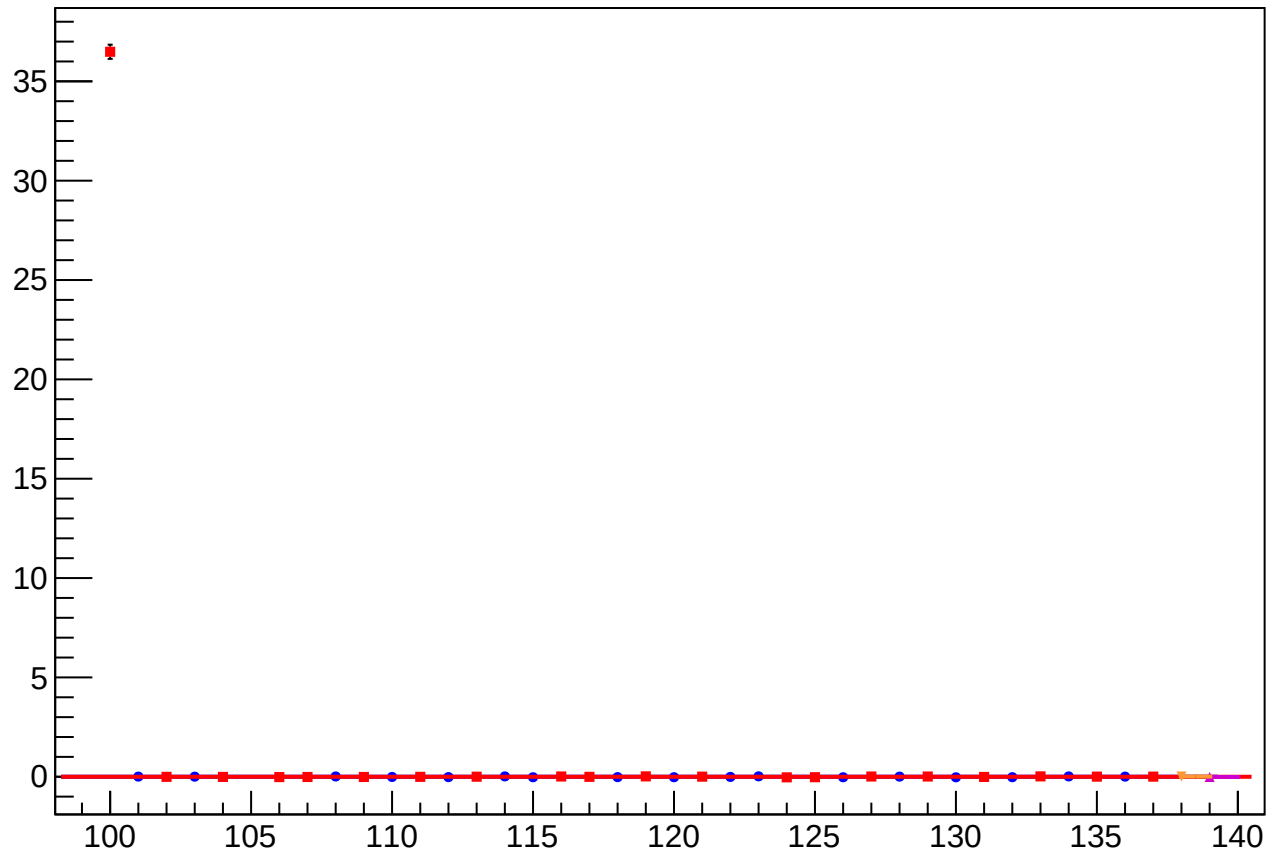
Left In: -0.146 $\pm$ 0.229 χ^2 /NDF: 0.0/0

0.025 $\pm$ 0.041 χ^2 /NDF: 21.4/17

-0.053 $\pm$ 0.030 χ^2 /NDF: 47.8/38

-0.144 $\pm$ 0.044 χ^2 /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 $\pm$ 0.005 χ^2 /NDF: 0.0/0

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

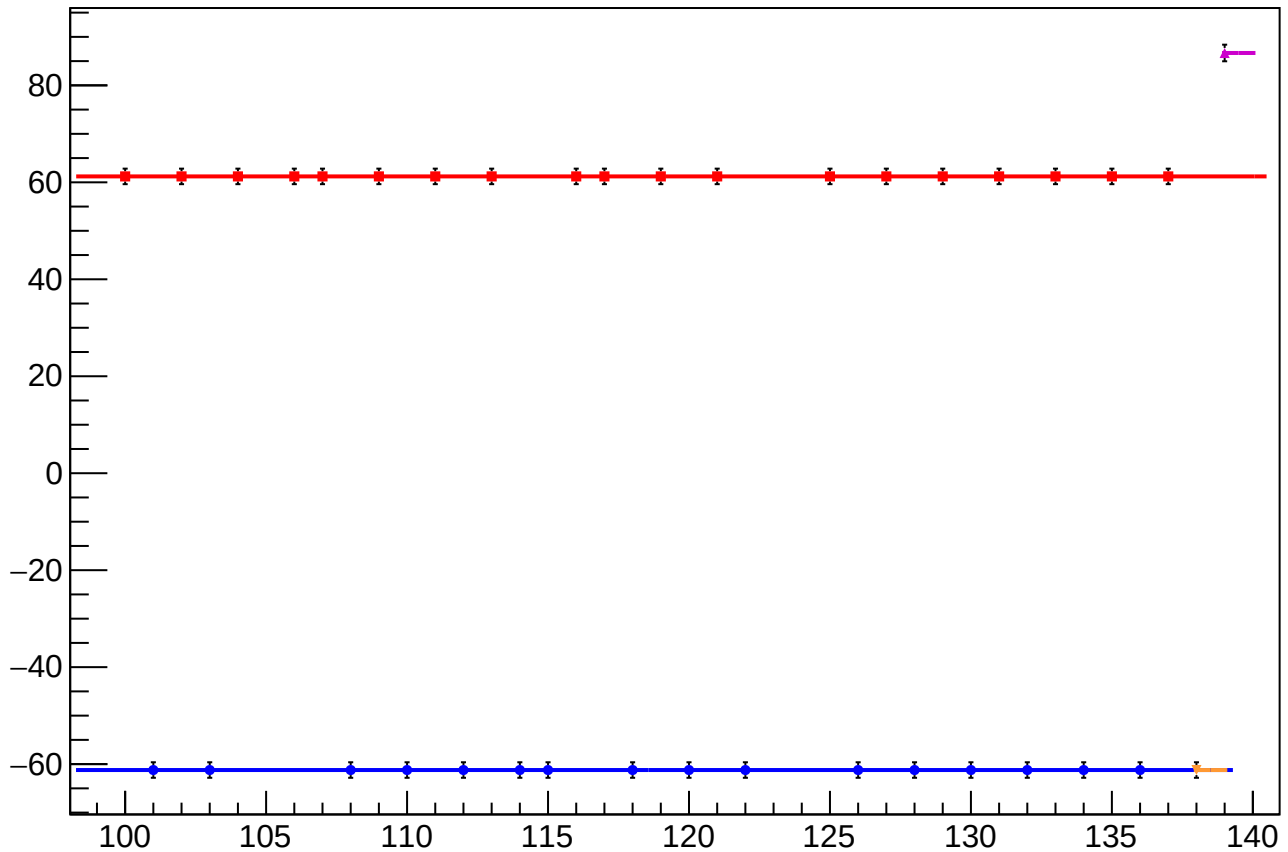
Left In: -0.011 $\pm$ 0.005 χ^2 /NDF: 0.0/0

0.003 $\pm$ 0.002 χ^2 /NDF: 33.6/17

0.000 $\pm$ 0.001 χ^2 /NDF: 10489.8/38

-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: -61.220 $\pm$ 1.602 χ^2 /NDF: 0.0/0

Right Out: 61.220 $\pm$ 0.368 χ^2 /NDF: 0.0/18

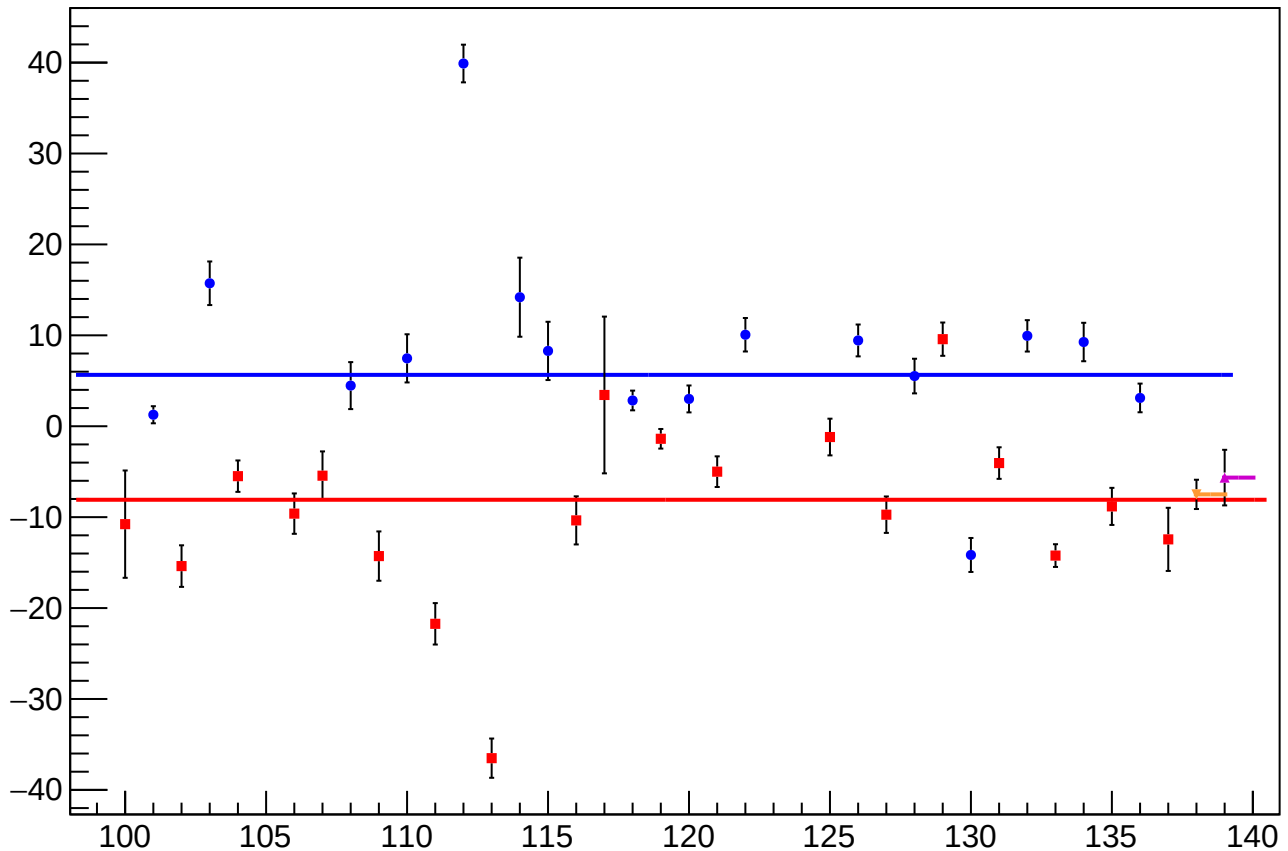
Left In: 86.679 $\pm$ 1.713 χ^2 /NDF: 0.0/0

-61.220 $\pm$ 0.389 χ^2 /NDF: 0.0/16

5.376 $\pm$ 0.264 χ^2 /NDF: 54720.8/36

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: -7.495+/-1.611 χ^2/NDF : 0.0/0

Right Out: -8.087+/-0.452 χ^2/NDF : 409.7/18

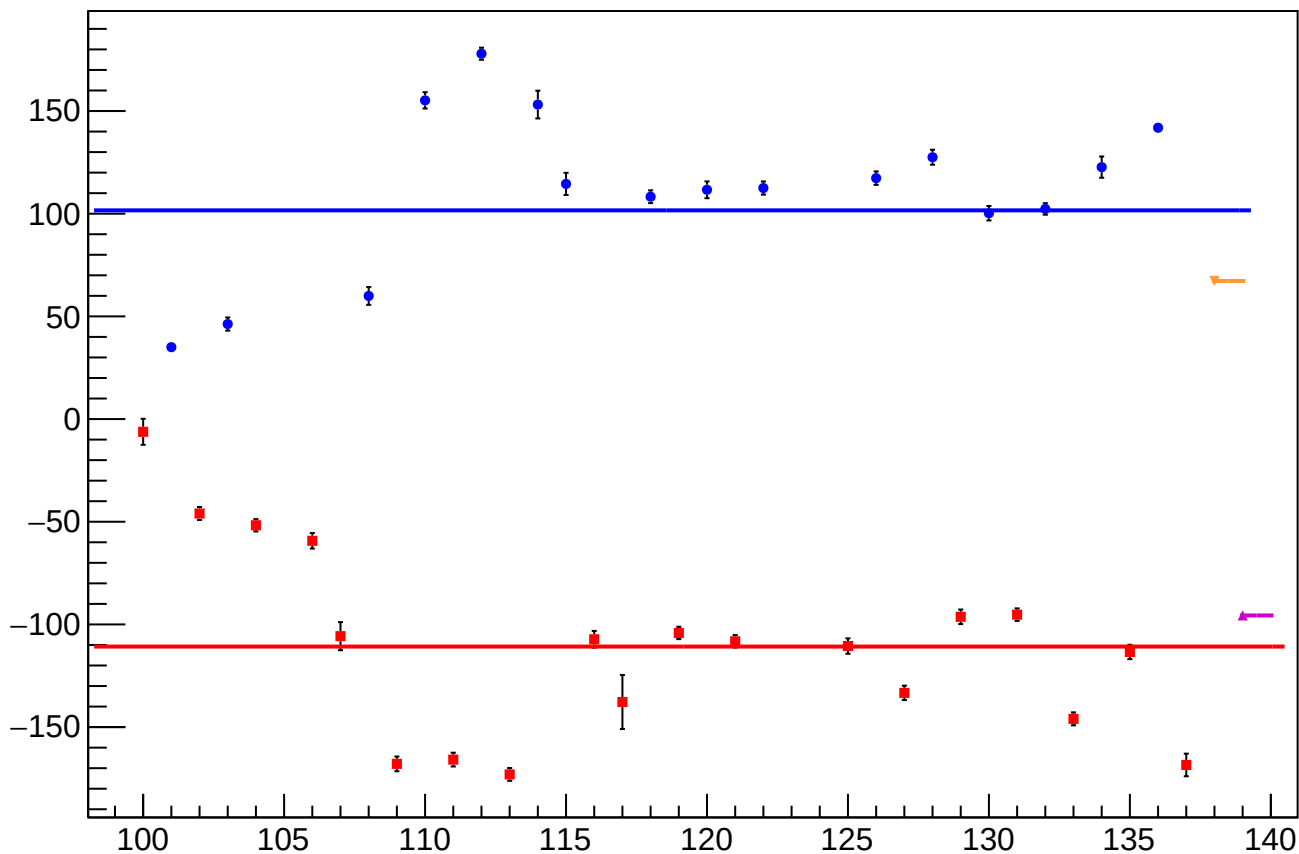
Left In: -5.650+/-3.057 χ^2/NDF : 0.0/0

4.780+/-0.415 χ^2/NDF : 524.1/16

-1.147+/-0.304 χ^2/NDF : 1376.0/36

-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 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 67.251 $\pm$ 1.737 χ^2 /NDF: 0.0/0

Right Out: -110.778 $\pm$ 0.834 χ^2 /NDF: 2518.3/18

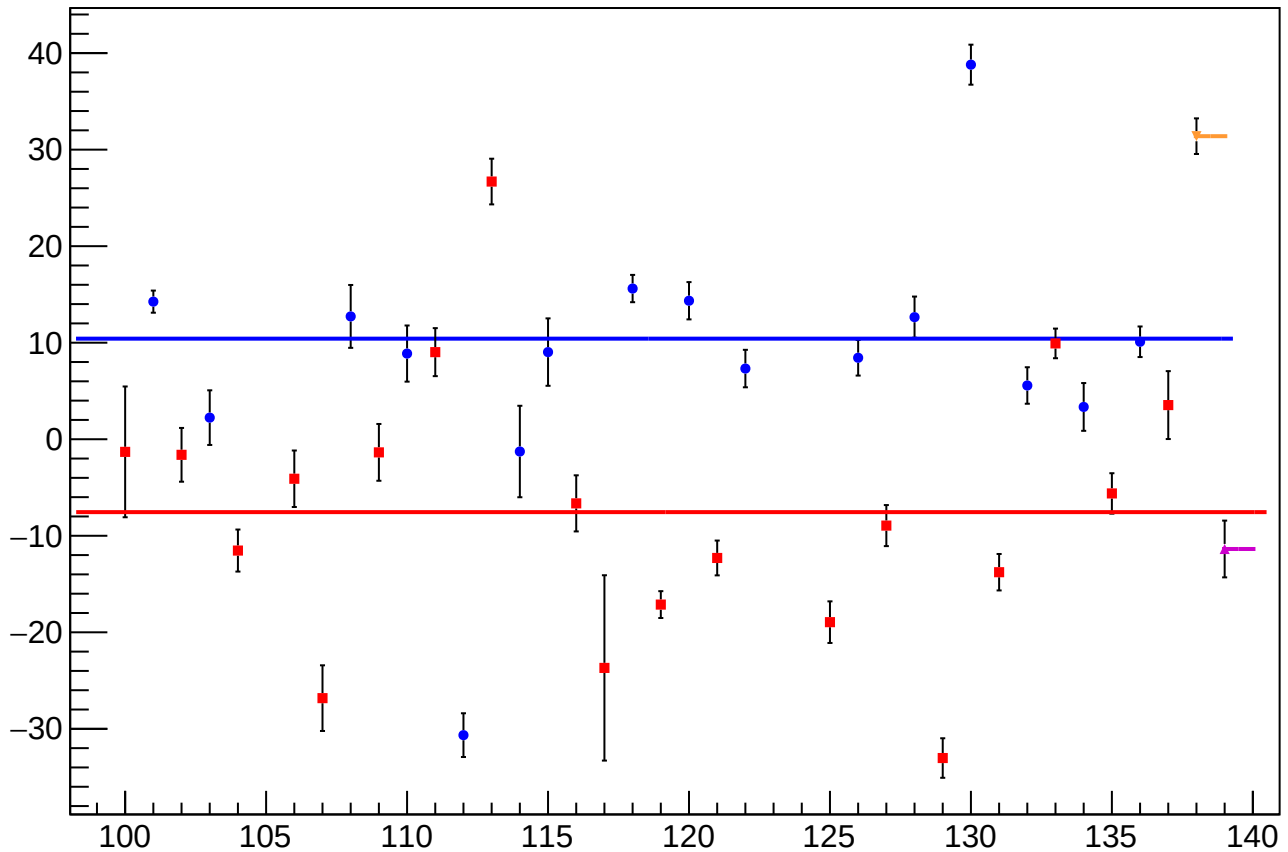
Left In: -95.635 $\pm$ 1.857 χ^2 /NDF: 0.0/0

95.463 $\pm$ 0.736 χ^2 /NDF: 3301.7/16

-2.914 $\pm$ 0.529 χ^2 /NDF: 42906.5/36

-108.235 $\pm$ 0.761 χ^2 /NDF: 2573.6/19

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420+/-0.497 χ^2/NDF : 579.7/15

Left Out: 31.394+/-1.845 χ^2/NDF : 0.0/0

Right Out: -7.550+/-0.522 χ^2/NDF : 692.3/18

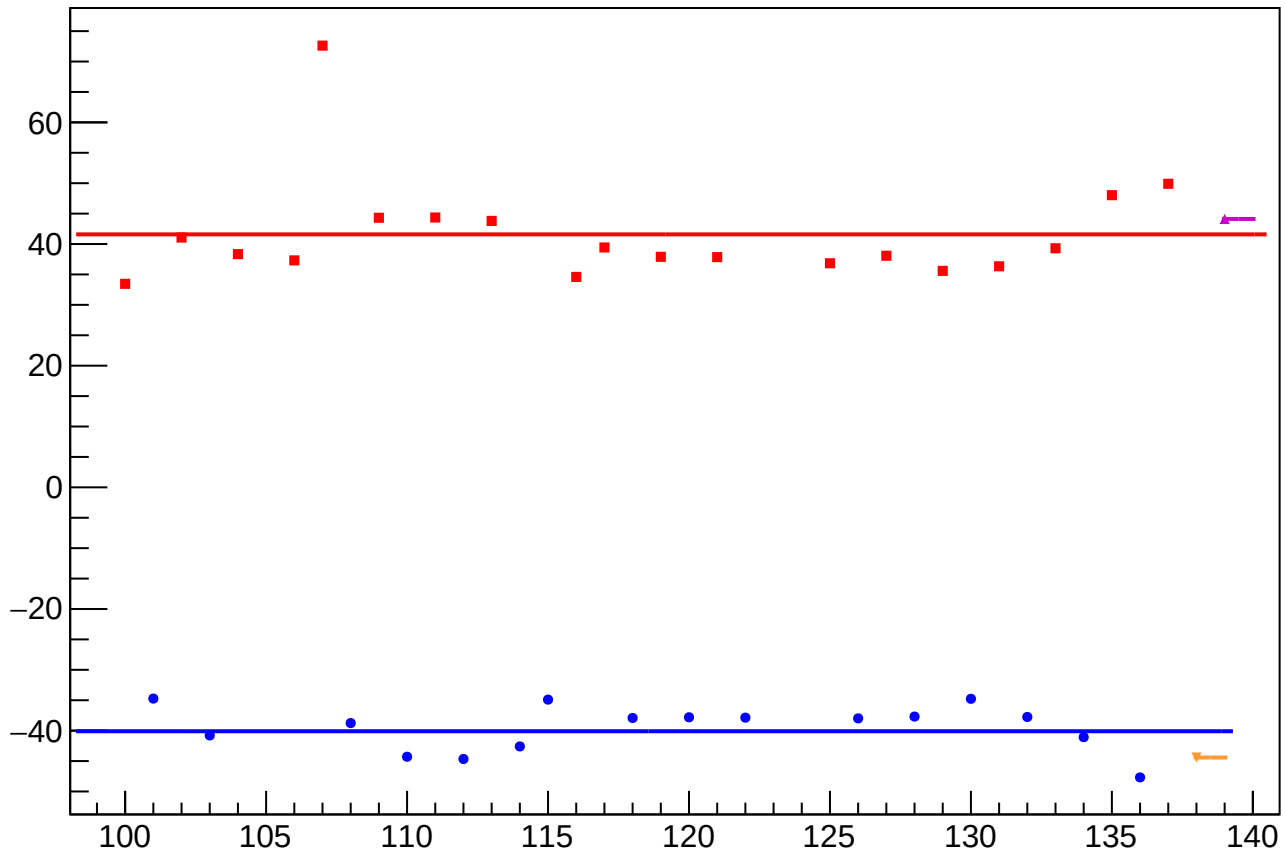
Left In: -11.369+/-2.940 χ^2/NDF : 0.0/0

11.840+/-0.480 χ^2/NDF : 700.2/16

2.755+/-0.351 χ^2/NDF : 2162.5/36

-7.667+/-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 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -44.418 ± 0.069 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 41.588 ± 0.029 $\chi^2/\text{NDF}: 61690.5/18$

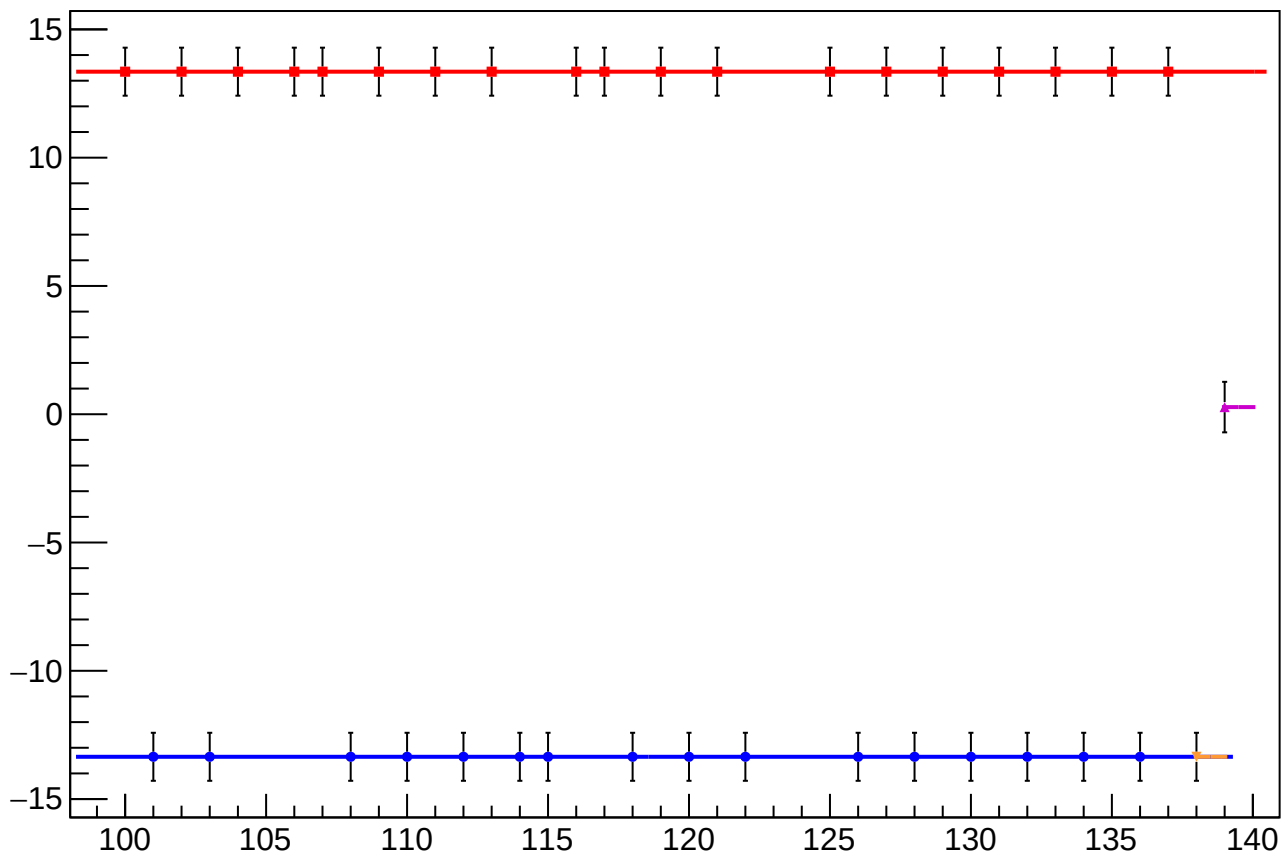
Left In: 44.124 ± 0.065 $\chi^2/\text{NDF}: 0.0/0$

-40.726 ± 0.026 $\chi^2/\text{NDF}: 28454.0/16$

0.689 ± 0.018 $\chi^2/\text{NDF}: 5090323.5/36$

41.999 ± 0.026 $\chi^2/\text{NDF}: 62969.4/19$

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: -13.352 ± 0.936 χ^2/NDF : 0.0/0

Right Out: 13.352 ± 0.215 χ^2/NDF : 0.0/18

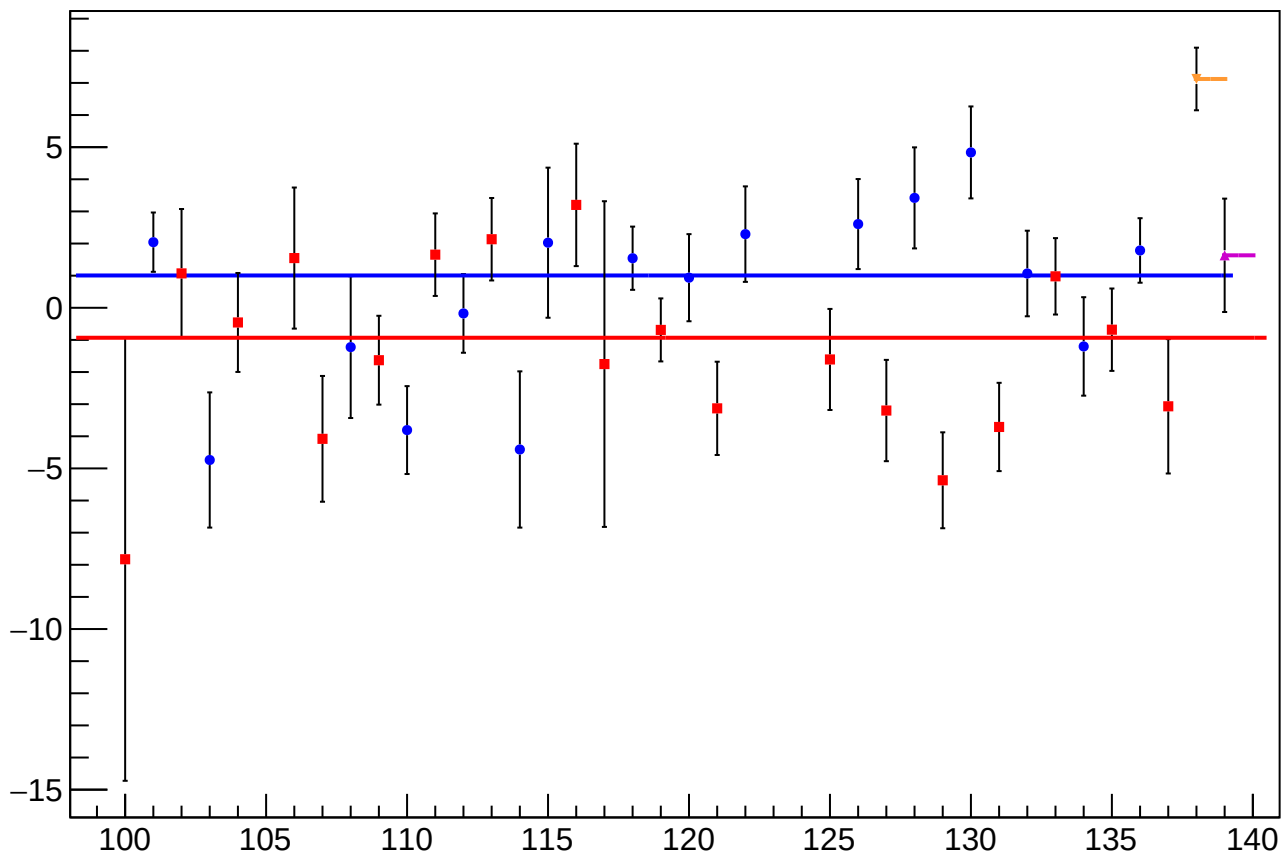
Left In: 0.278 ± 0.985 χ^2/NDF : 0.0/0

-13.352 ± 0.227 χ^2/NDF : 0.0/16

0.730 ± 0.154 χ^2/NDF : 7306.2/36

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: 7.123 $\pm$ 0.975 χ^2 /NDF: 0.0/0

Right Out: -0.933 $\pm$ 0.352 χ^2 /NDF: 41.9/18

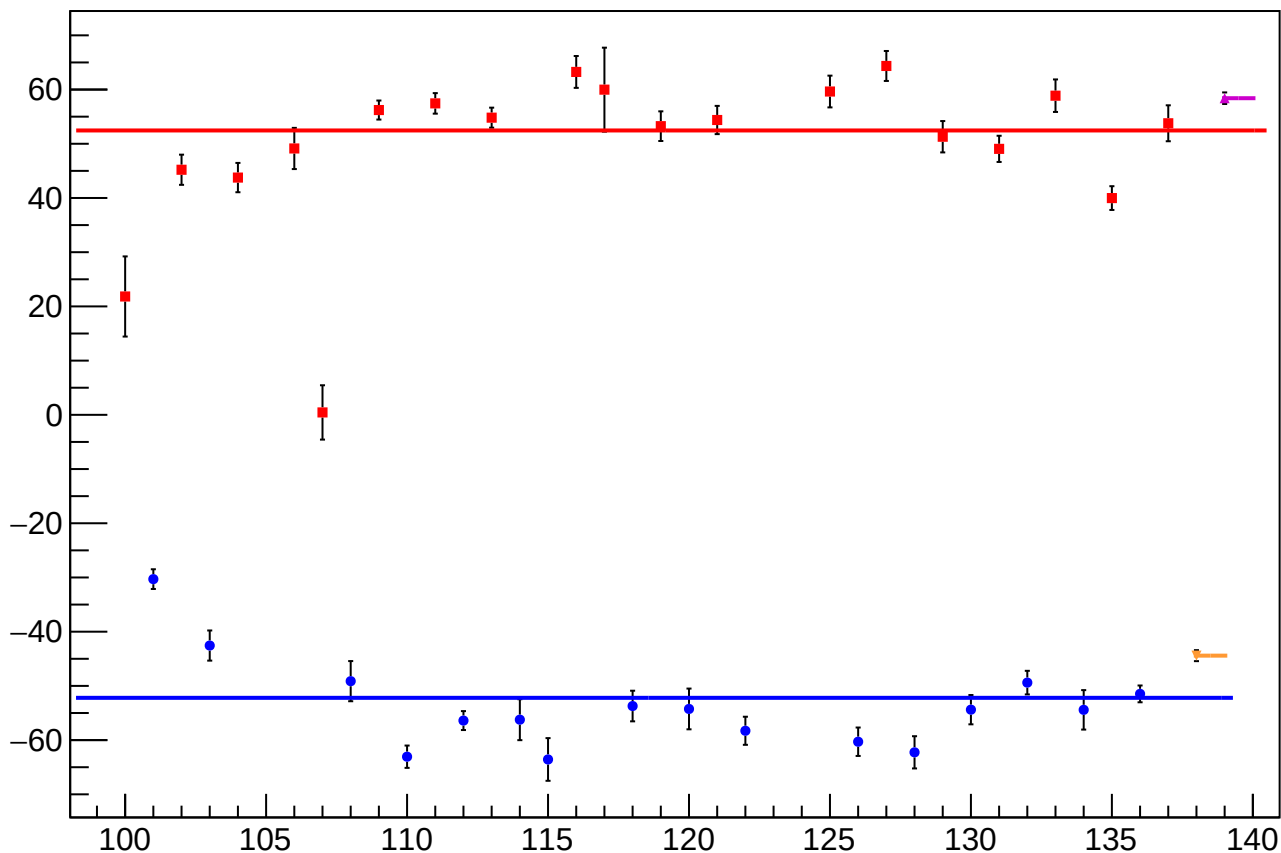
Left In: 1.633 $\pm$ 1.765 χ^2 /NDF: 0.0/0

1.675 $\pm$ 0.322 χ^2 /NDF: 77.8/16

0.508 $\pm$ 0.236 χ^2 /NDF: 149.9/36

-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: -44.419 ± 1.015 χ^2/NDF : 0.0/0

Right Out: 52.455 ± 0.614 χ^2/NDF : 234.8/18

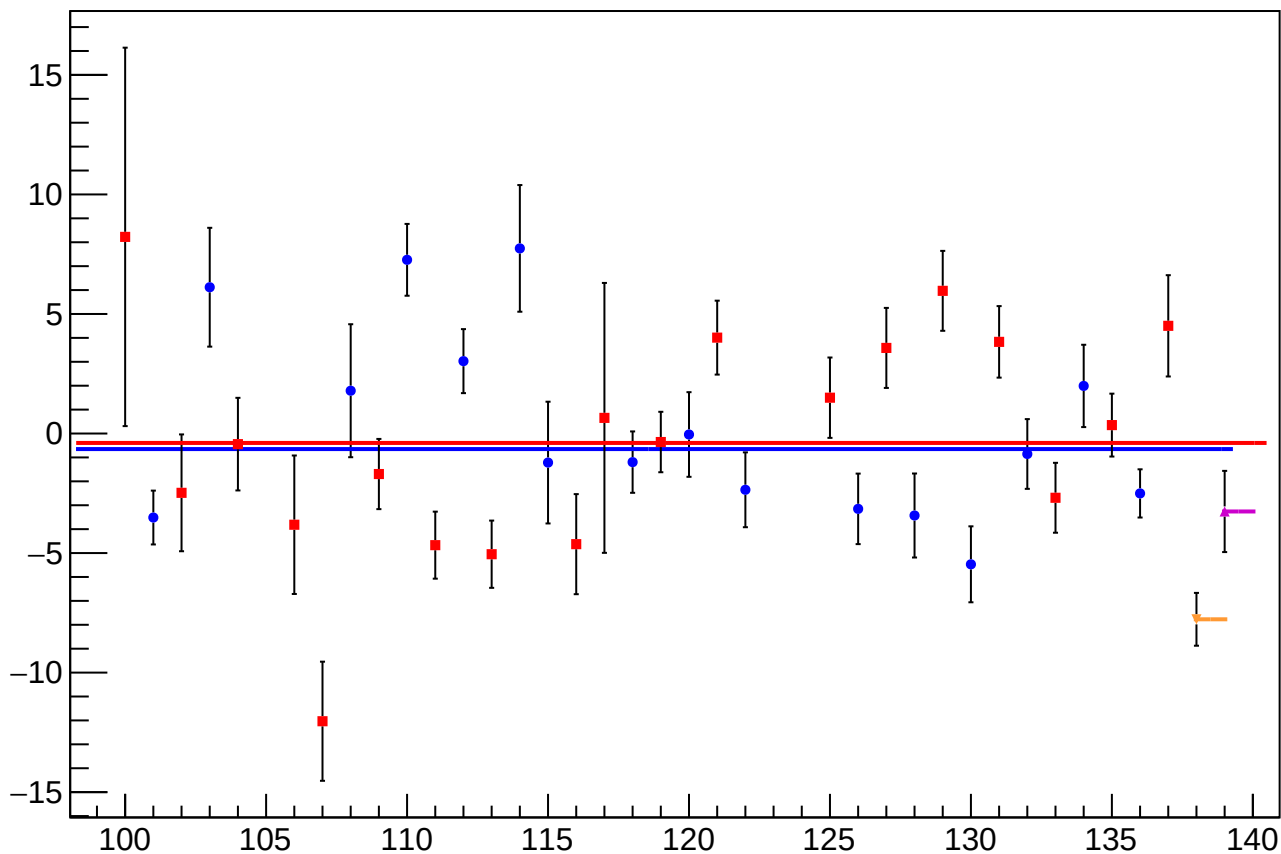
Left In: 58.405 ± 1.067 χ^2/NDF : 0.0/0

-50.112 ± 0.526 χ^2/NDF : 273.6/16

1.275 ± 0.374 χ^2/NDF : 19877.6/36

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: -7.771 ± 1.105 χ^2/NDF : 0.0/0

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

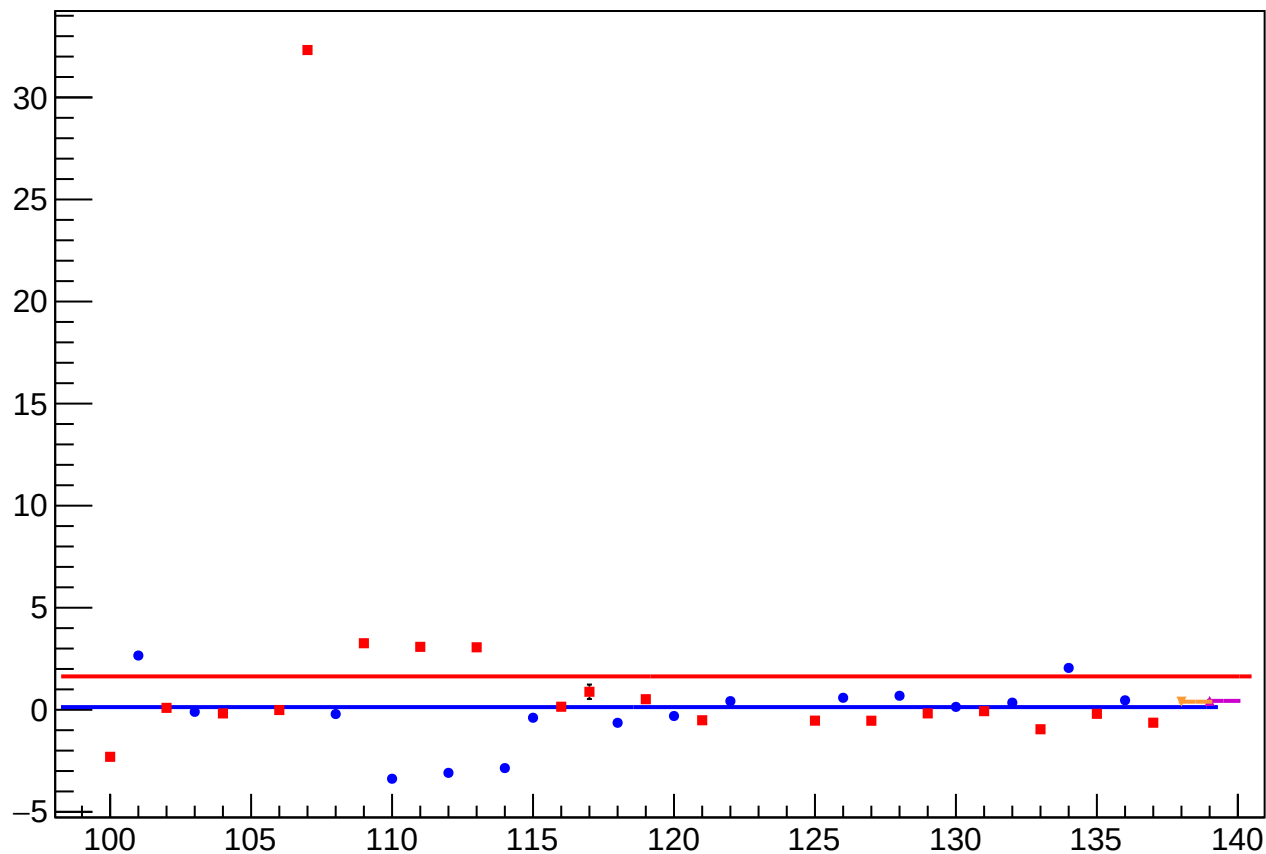
Left In: -3.260 ± 1.698 χ^2/NDF : 0.0/0

-1.428 ± 0.365 χ^2/NDF : 118.9/16

-1.013 ± 0.266 χ^2/NDF : 220.3/36

-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 $\pm$ 0.022 χ^2 /NDF: 5247.5/15

Left Out: 0.397 $\pm$ 0.040 χ^2 /NDF:0.0/0

Right Out: 1.635 $\pm$ 0.022 χ^2 /NDF: 77852.9/18

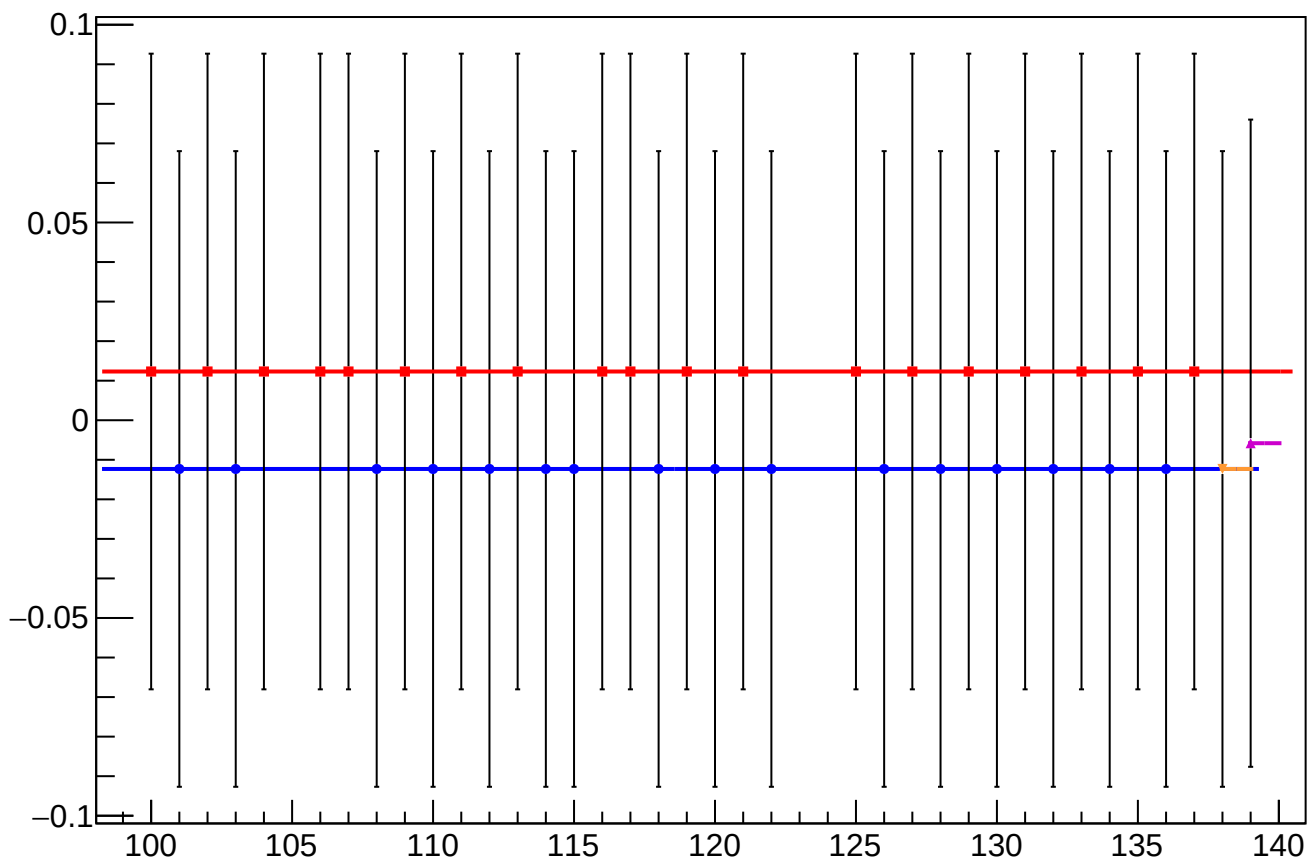
Left In: 0.436 $\pm$ 0.037 χ^2 /NDF:0.0/0

0.192 $\pm$ 0.019 χ^2 /NDF: 5281.9/16

0.765 $\pm$ 0.013 χ^2 /NDF: 85720.2/36

1.332 $\pm$ 0.019 χ^2 /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: -0.012 ± 0.080 χ^2/NDF : 0.0/0

Right Out: 0.012 ± 0.018 χ^2/NDF : 0.0/18

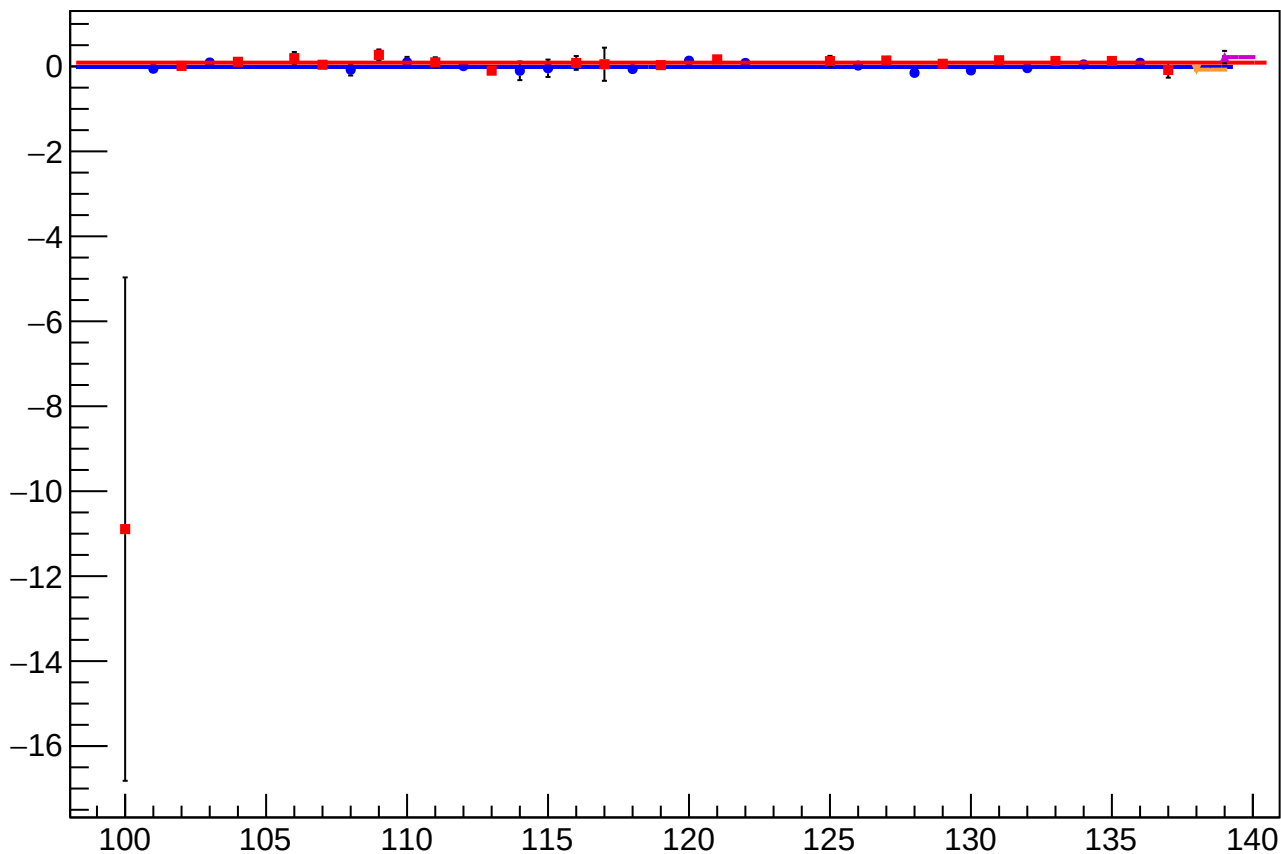
Left In: -0.006 ± 0.082 χ^2/NDF : 0.0/0

-0.012 ± 0.019 χ^2/NDF : 0.0/16

0.001 ± 0.013 χ^2/NDF : 0.8/36

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+/-0.023 χ^2/NDF : 11.7/15

Left Out: -0.076+/-0.086 χ^2/NDF : 0.0/0

Right Out: 0.089+/-0.025 χ^2/NDF : 13.0/18

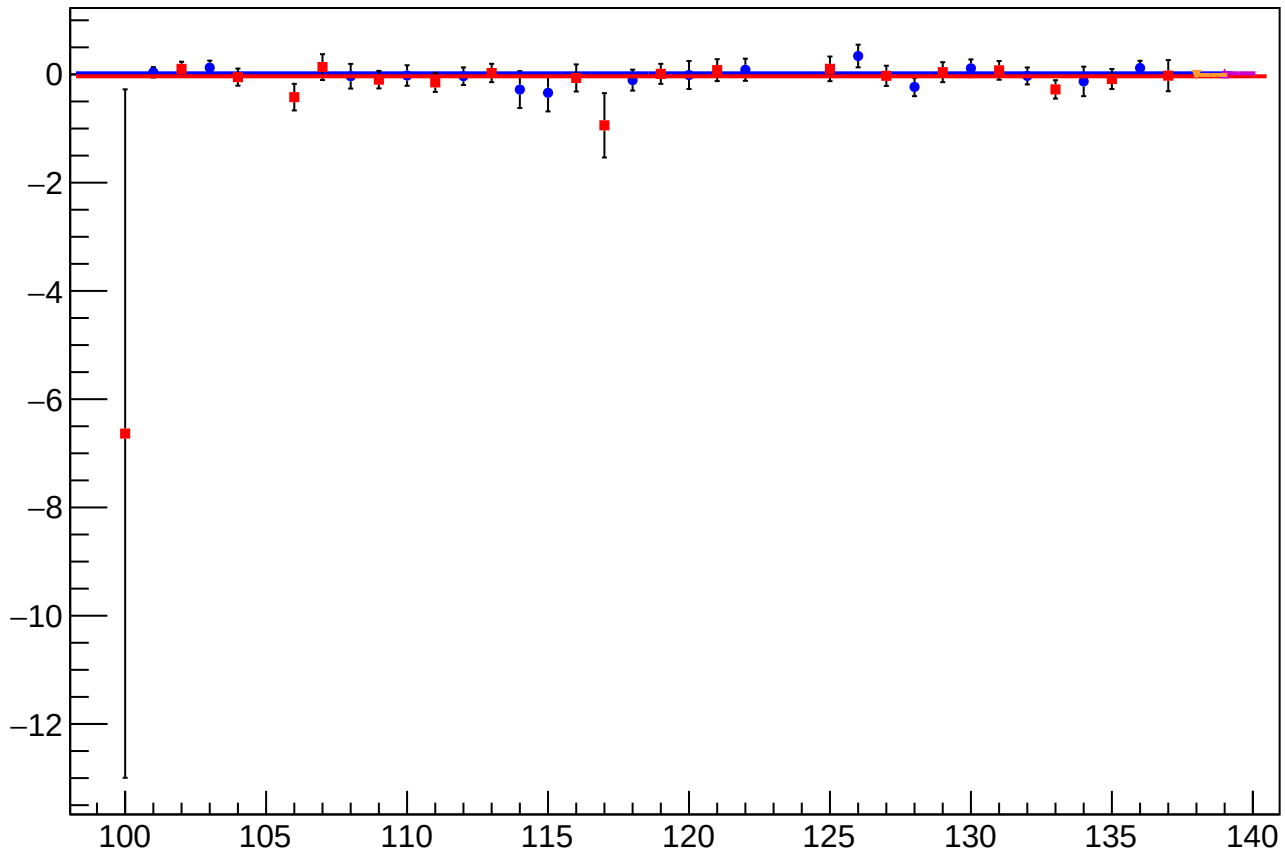
Left In: 0.220+/-0.147 χ^2/NDF : 0.0/0

-0.017+/-0.023 χ^2/NDF : 12.2/16

0.034+/-0.017 χ^2/NDF : 36.9/36

0.093+/-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: -0.010+/-0.087 χ^2/NDF : 0.0/0

Right Out: -0.035+/-0.045 χ^2/NDF : 11.6/18

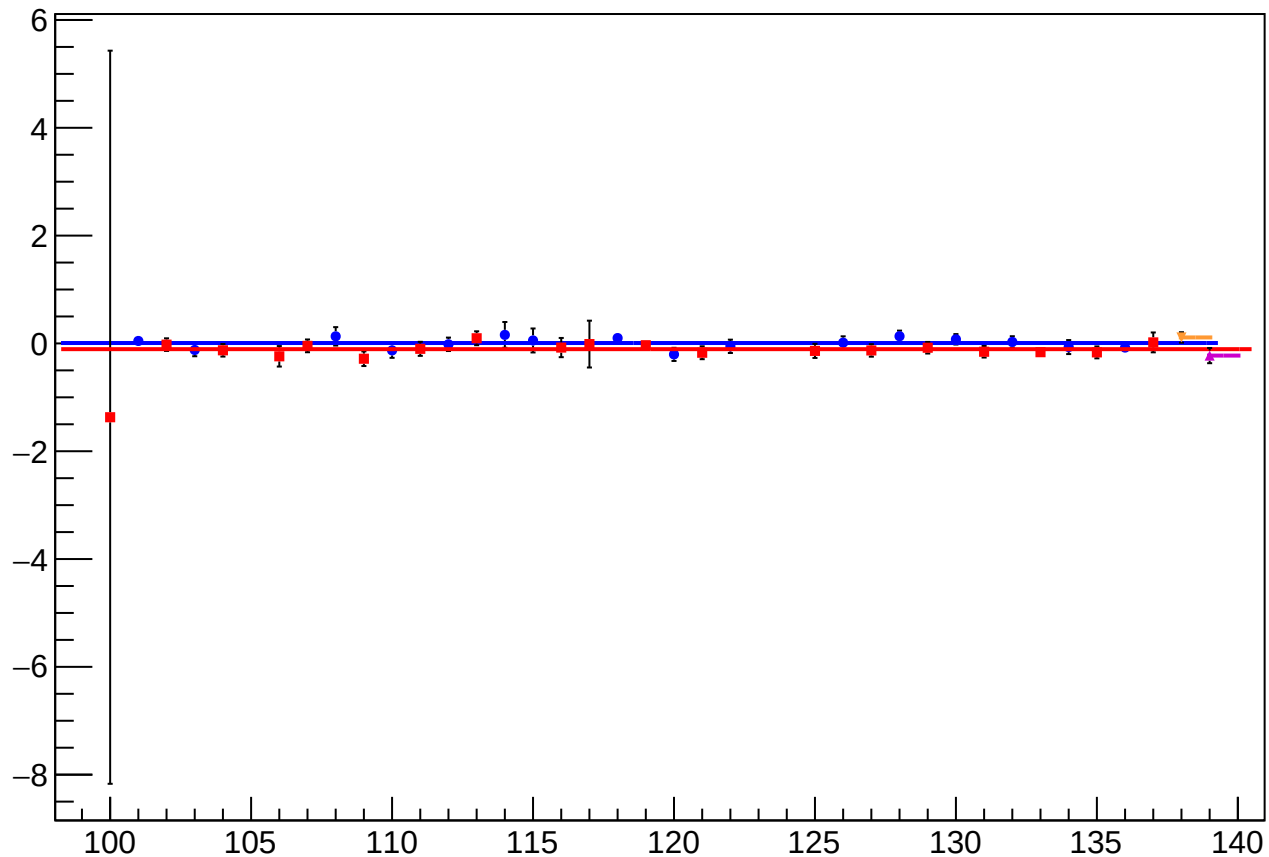
Left In: 0.021+/-0.089 χ^2/NDF : 0.0/0

0.014+/-0.039 χ^2/NDF : 9.2/16

-0.004+/-0.028 χ^2/NDF : 21.5/36

-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: 0.111 ± 0.097 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -0.106 ± 0.029 $\chi^2/\text{NDF}: 8.2/18$

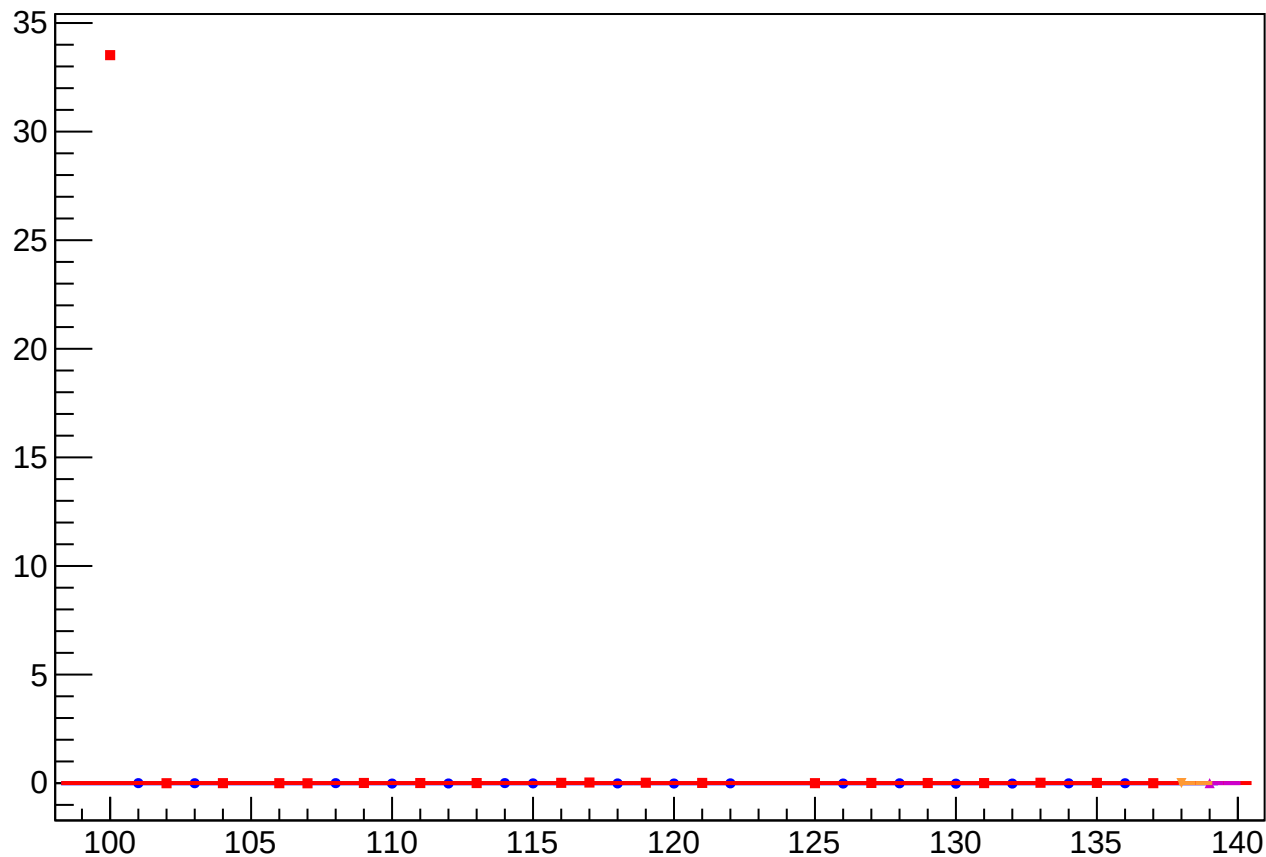
Left In: -0.226 ± 0.141 $\chi^2/\text{NDF}: 0.0/0$

0.015 ± 0.026 $\chi^2/\text{NDF}: 12.3/16$

-0.044 ± 0.019 $\chi^2/\text{NDF}: 32.1/36$

-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 $\pm$ 0.001 χ^2 /NDF: 21.8/15

Left Out: 0.005 $\pm$ 0.003 χ^2 /NDF:0.0/0

Right Out: 0.006 $\pm$ 0.001 χ^2 /NDF: 26509.5/18

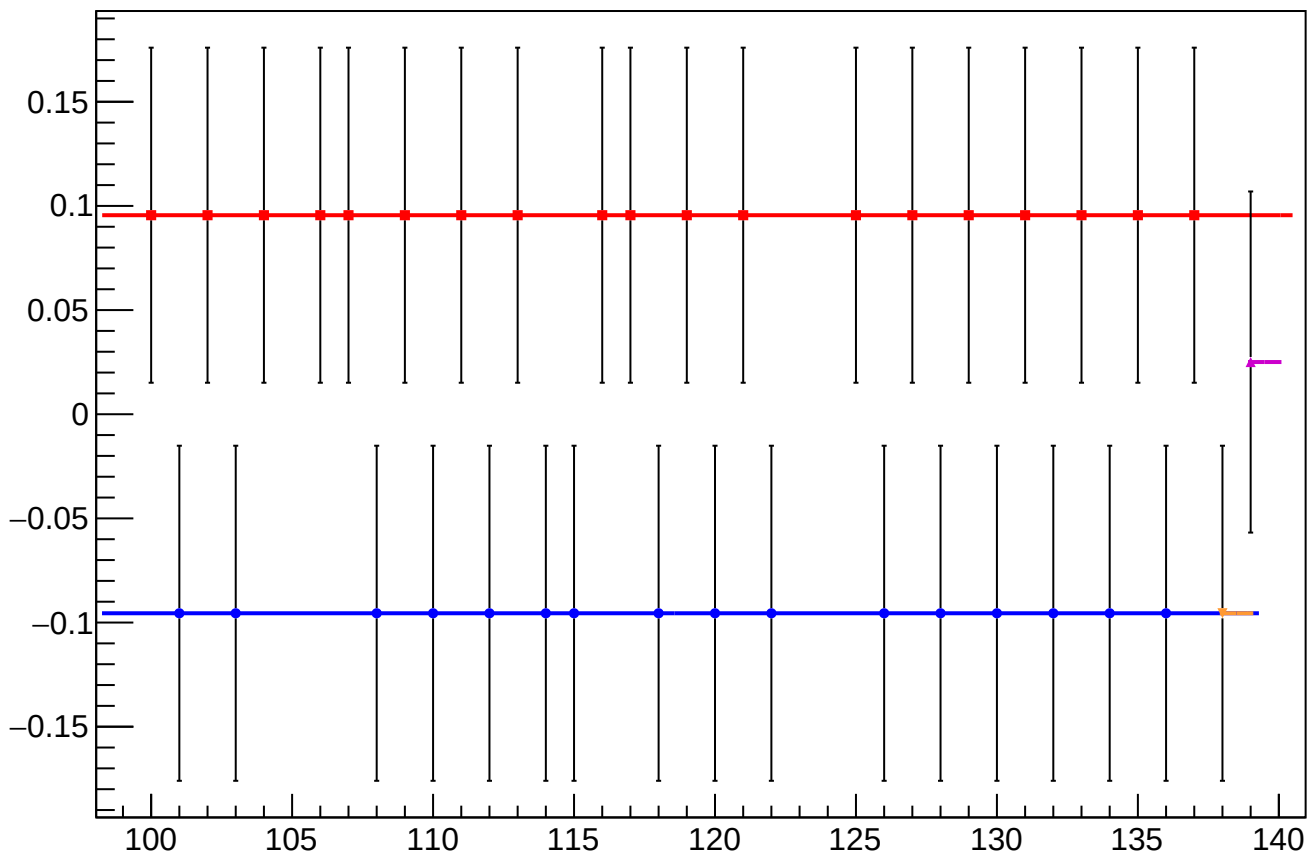
Left In: 0.001 $\pm$ 0.003 χ^2 /NDF:0.0/0

-0.004 $\pm$ 0.001 χ^2 /NDF: 29.6/16

0.001 $\pm$ 0.001 χ^2 /NDF: 26563.3/36

0.005 $\pm$ 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: -0.096 ± 0.080 χ^2/NDF : 0.0/0

Right Out: 0.096 ± 0.018 χ^2/NDF : 0.0/18

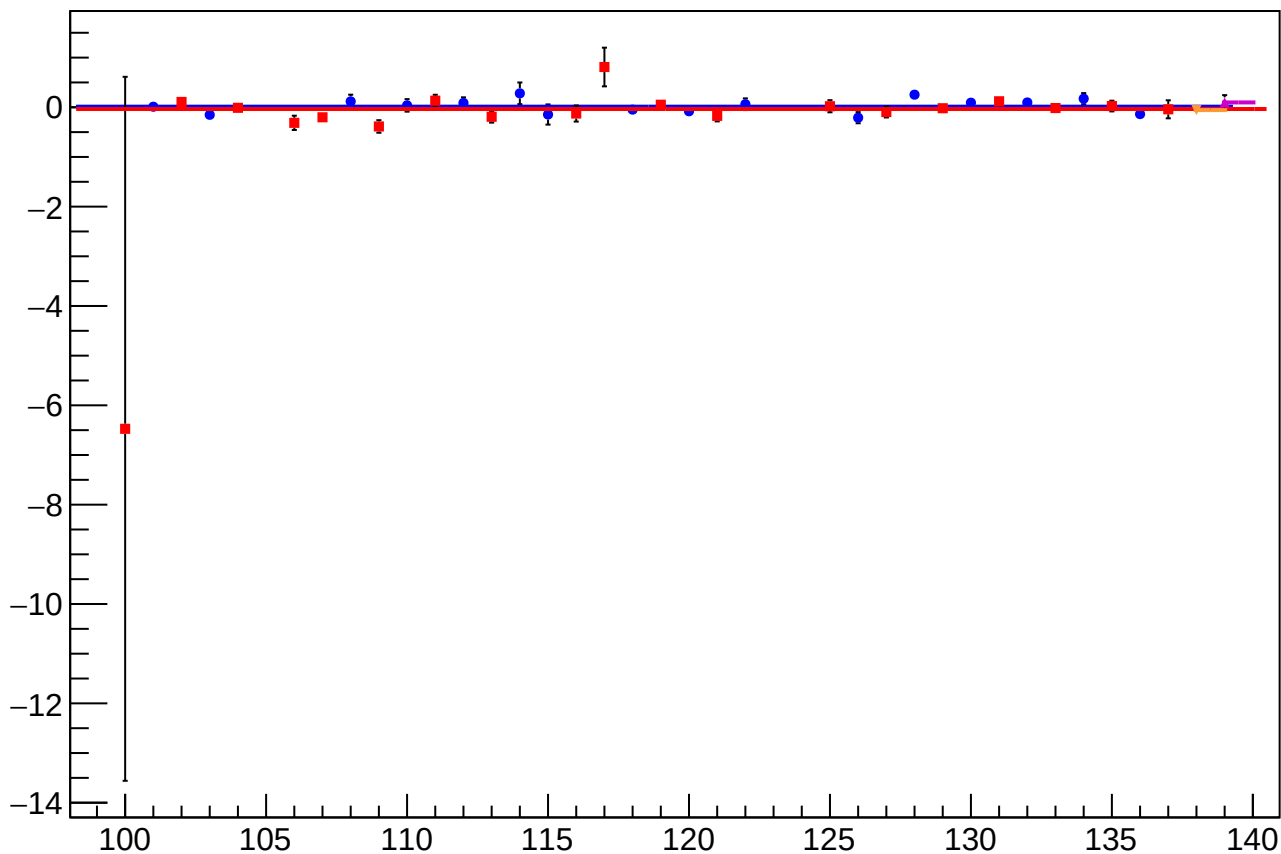
Left In: 0.025 ± 0.082 χ^2/NDF : 0.0/0

-0.096 ± 0.020 χ^2/NDF : 0.0/16

0.006 ± 0.013 χ^2/NDF : 50.7/36

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: -0.056 $\pm$ 0.086 χ^2 /NDF: 0.0/0

Right Out: -0.035 $\pm$ 0.025 χ^2 /NDF: 33.2/18

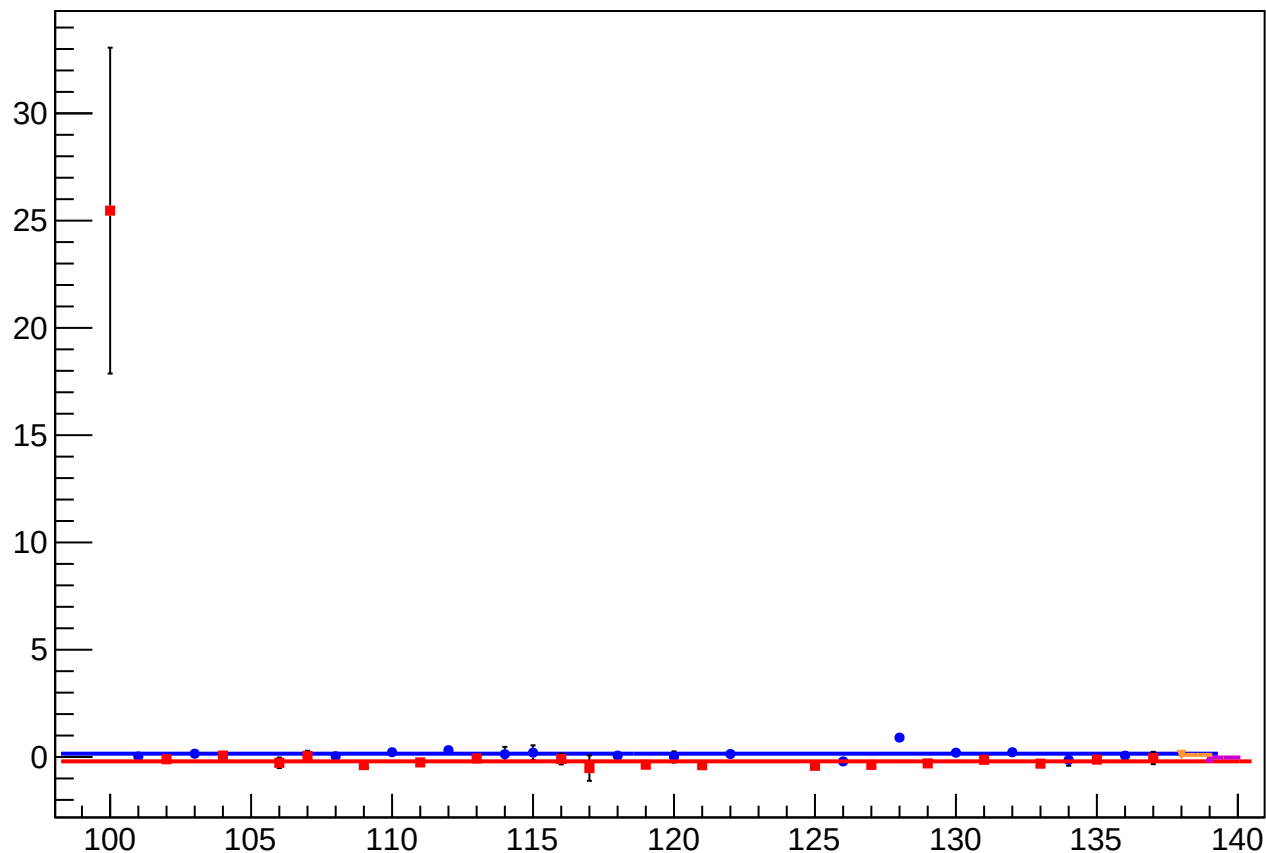
Left In: 0.098 $\pm$ 0.147 χ^2 /NDF: 0.0/0

0.007 $\pm$ 0.023 χ^2 /NDF: 25.6/16

-0.010 $\pm$ 0.017 χ^2 /NDF: 60.9/36

-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: 0.100 ± 0.087 χ^2/NDF : 0.0/0

Right Out: -0.203 ± 0.045 χ^2/NDF : 22.9/18

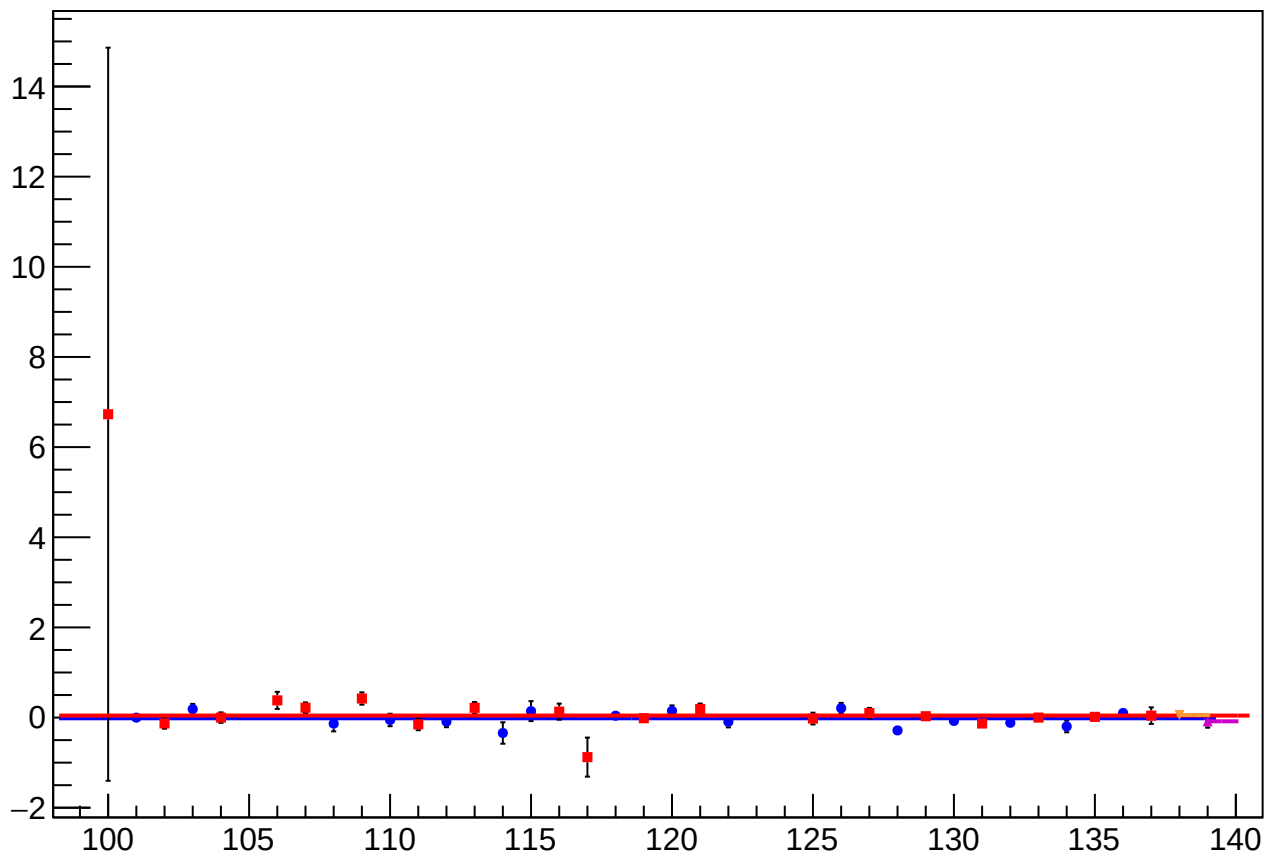
Left In: -0.021 ± 0.089 χ^2/NDF : 0.0/0

0.144 ± 0.039 χ^2/NDF : 28.3/16

-0.005 ± 0.028 χ^2/NDF : 85.5/36

-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+/-0.027 χ^2 /NDF: 24.3/15

Left Out: 0.057+/-0.097 χ^2 /NDF: 0.0/0

Right Out: 0.044+/-0.029 χ^2 /NDF: 30.5/18

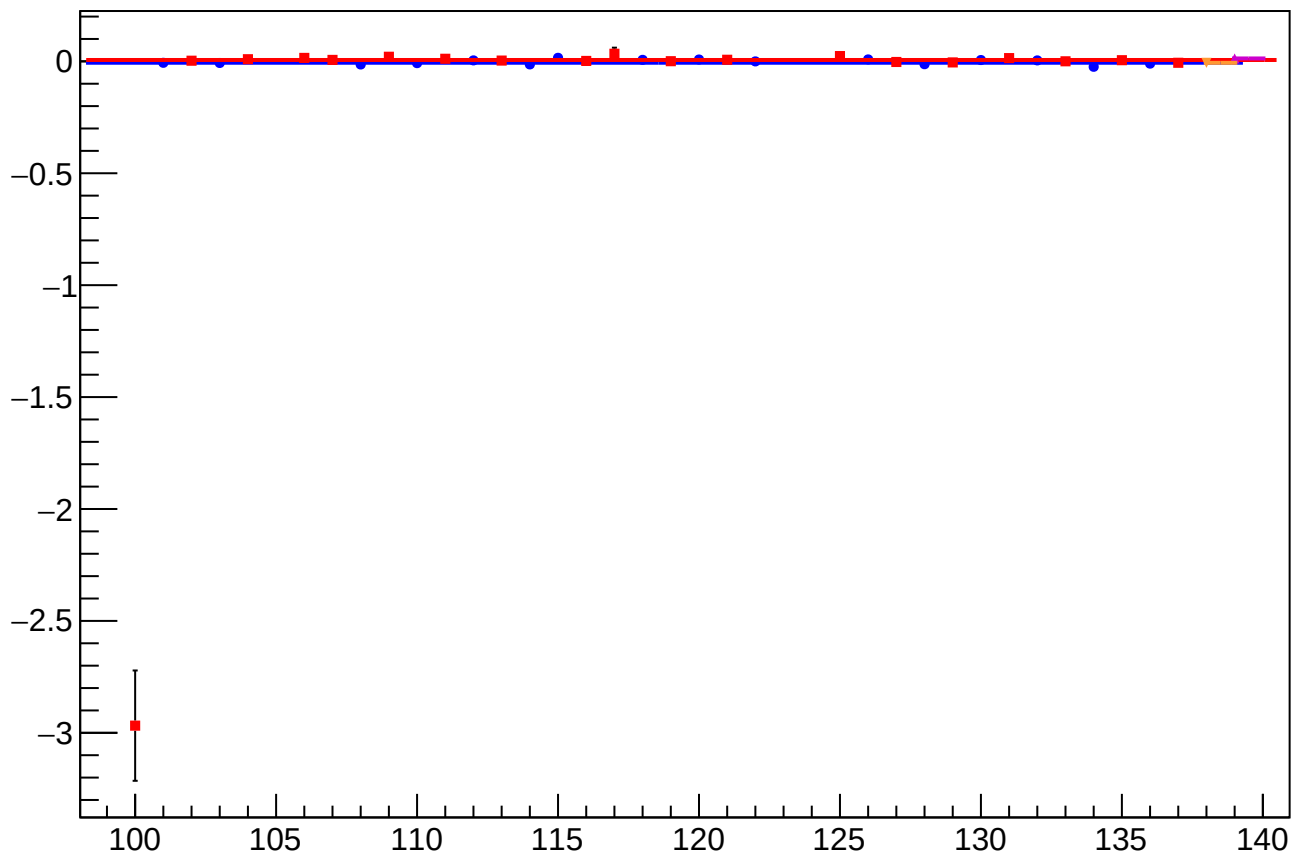
Left In: -0.083+/-0.141 χ^2 /NDF: 0.0/0

-0.011+/-0.026 χ^2 /NDF: 24.9/16

0.013+/-0.019 χ^2 /NDF: 57.8/36

0.039+/-0.028 χ^2 /NDF: 31.3/19

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 27.3/15

Left Out: -0.007 $\pm$ 0.003 χ^2 /NDF: 0.0/0

Right Out: 0.006 $\pm$ 0.001 χ^2 /NDF: 167.0/18

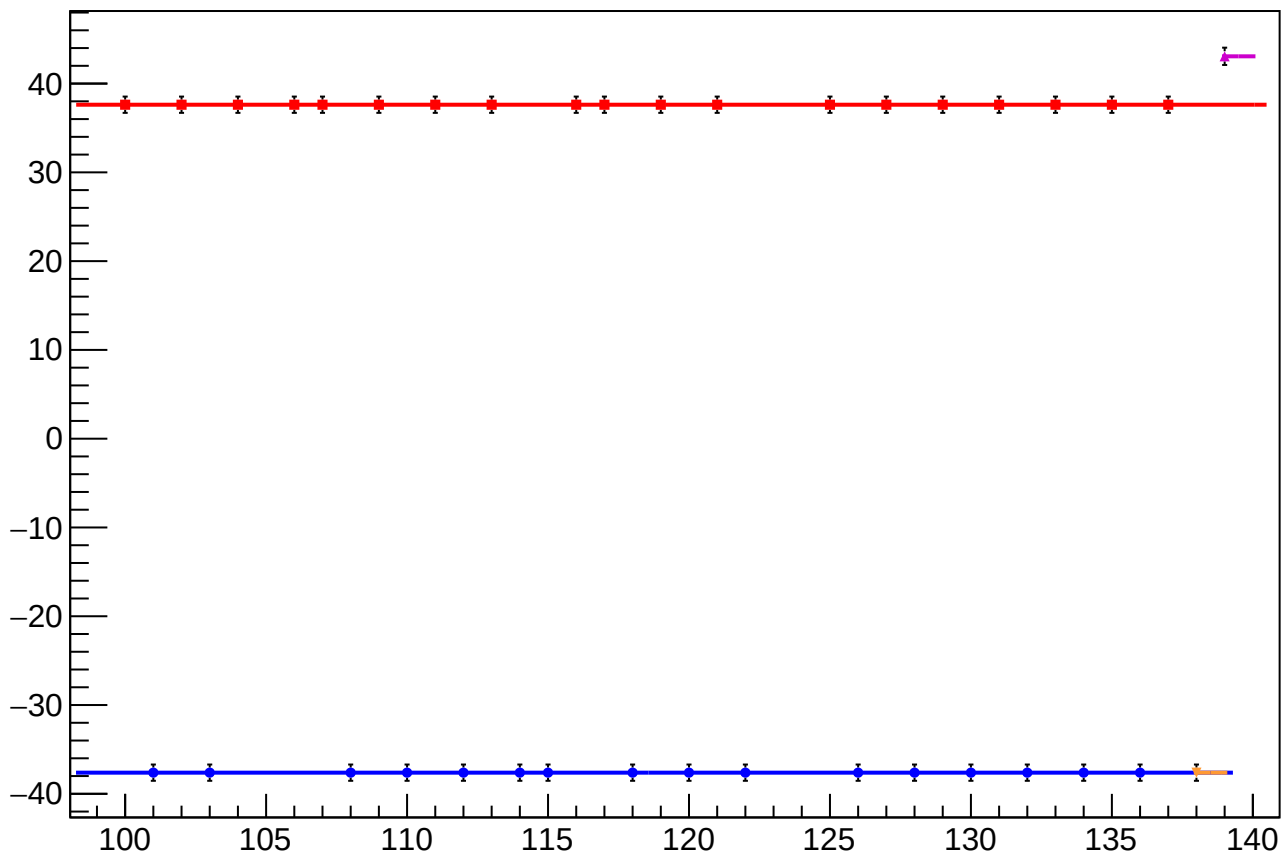
Left In: 0.013 $\pm$ 0.003 χ^2 /NDF: 0.0/0

-0.006 $\pm$ 0.001 χ^2 /NDF: 27.4/16

0.001 $\pm$ 0.001 χ^2 /NDF: 250.2/36

0.007 $\pm$ 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 χ^2/NDF : 0.0/15

Left Out: -37.618 ± 0.916 χ^2/NDF : 0.0/0

Right Out: 37.618 ± 0.210 χ^2/NDF : 0.0/18

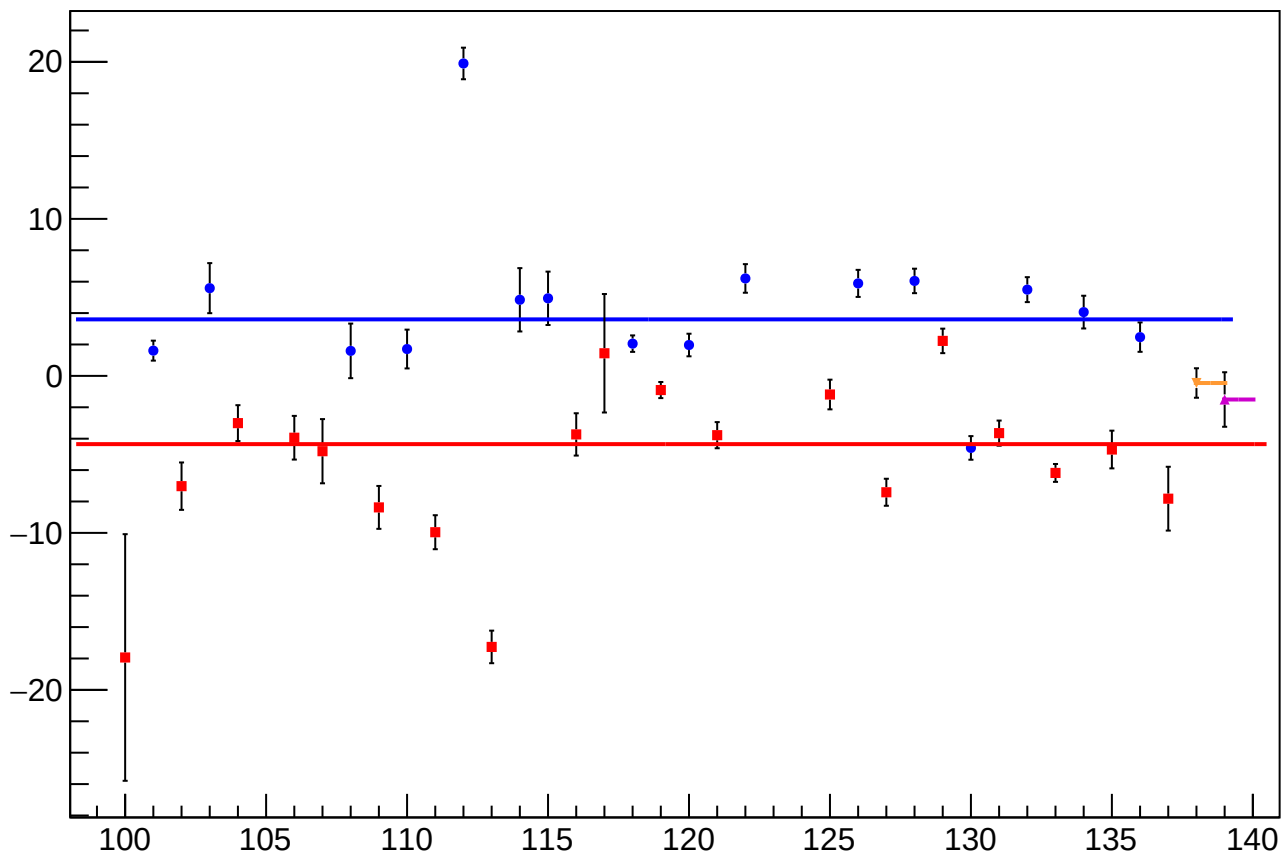
Left In: 43.070 ± 0.974 χ^2/NDF : 0.0/0

-37.618 ± 0.222 χ^2/NDF : 0.0/16

3.073 ± 0.151 χ^2/NDF : 62203.7/36

37.861 ± 0.206 χ^2/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: -0.454 ± 0.939 χ^2/NDF : 0.0/0

Right Out: -4.347 ± 0.224 χ^2/NDF : 355.4/18

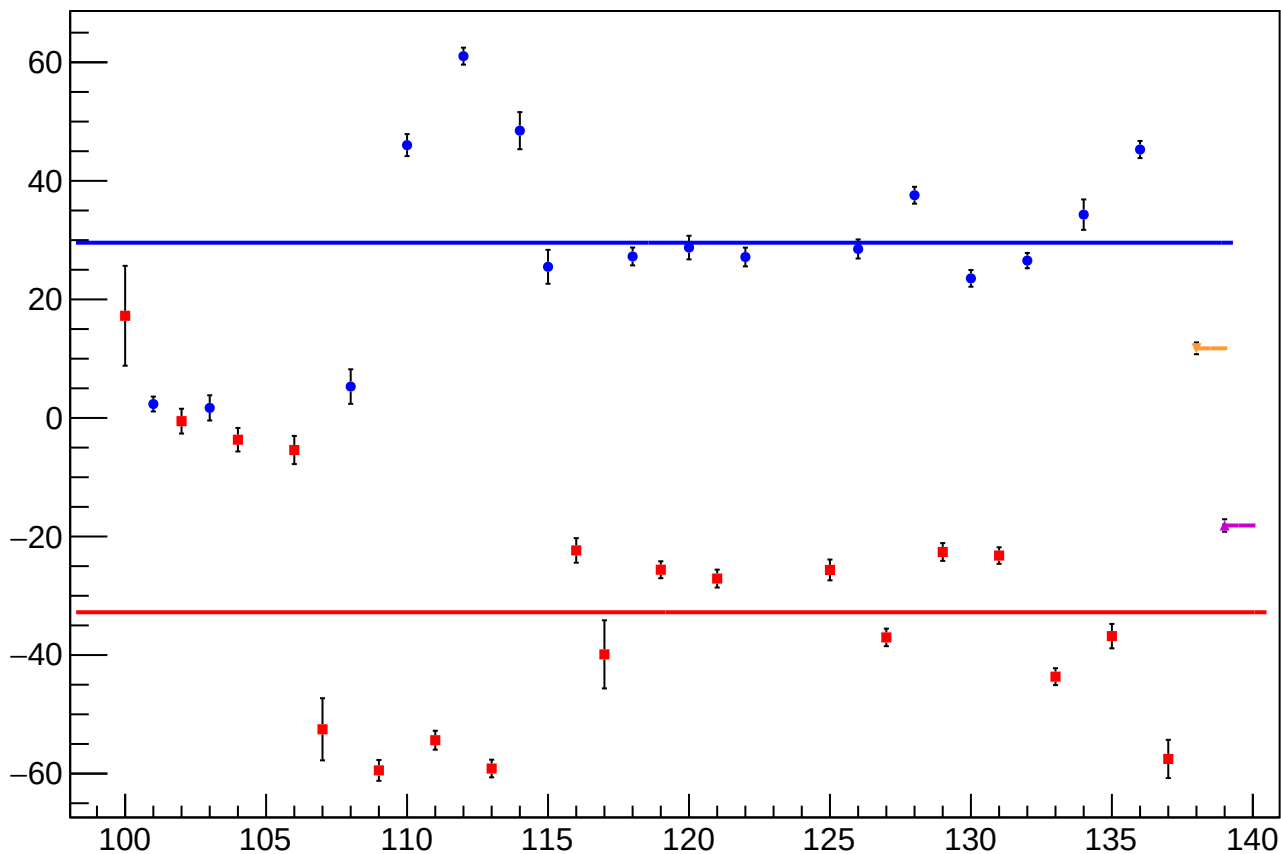
Left In: -1.505 ± 1.737 χ^2/NDF : 0.0/0

3.387 ± 0.215 χ^2/NDF : 461.1/16

-0.315 ± 0.154 χ^2/NDF : 1437.7/36

-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: 11.746+/-0.994 χ^2/NDF : 0.0/0

Right Out: -32.780+/-0.422 χ^2/NDF : 1664.8/18

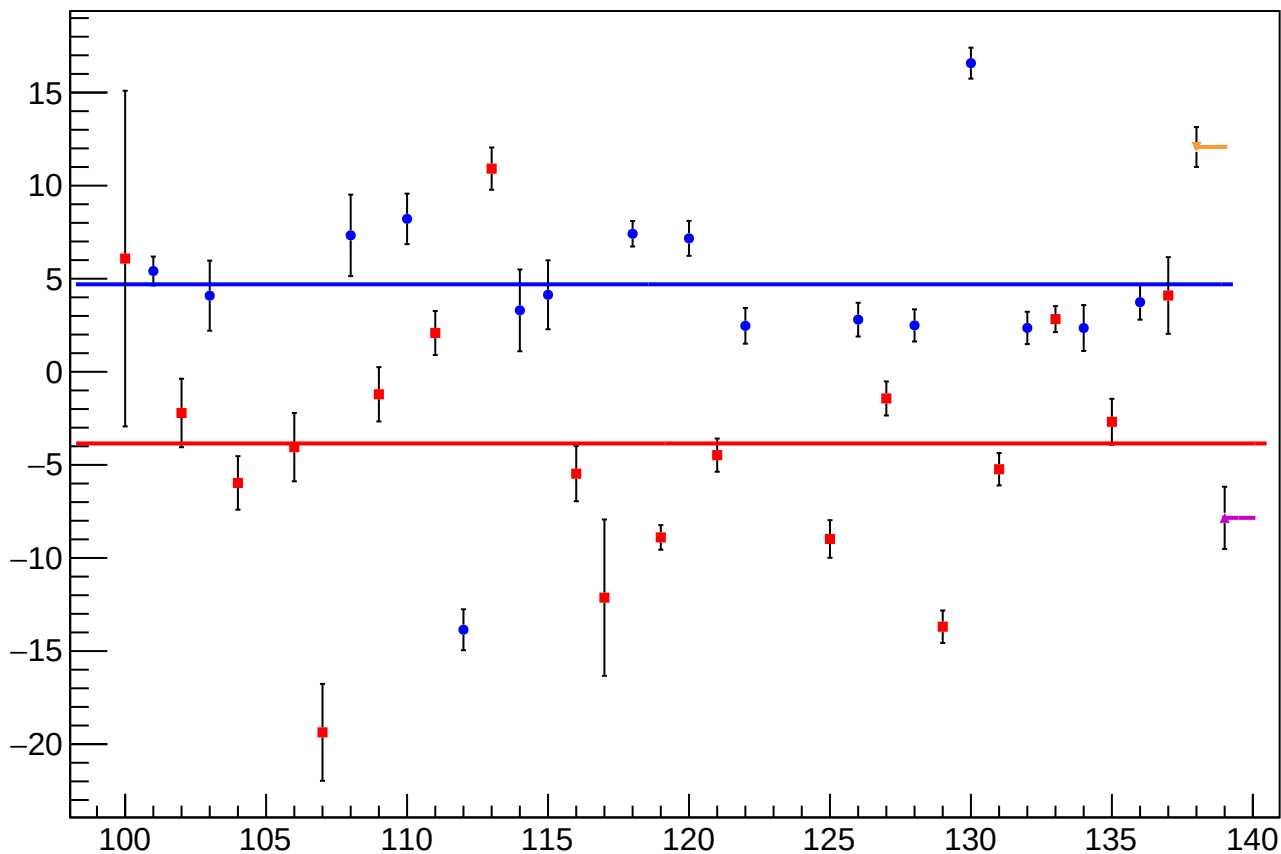
Left In: -18.142+/-1.057 χ^2/NDF : 0.0/0

26.868+/-0.386 χ^2/NDF : 1767.5/16

-1.574+/-0.275 χ^2/NDF : 14572.1/36

-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 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 12.075 ± 1.070 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

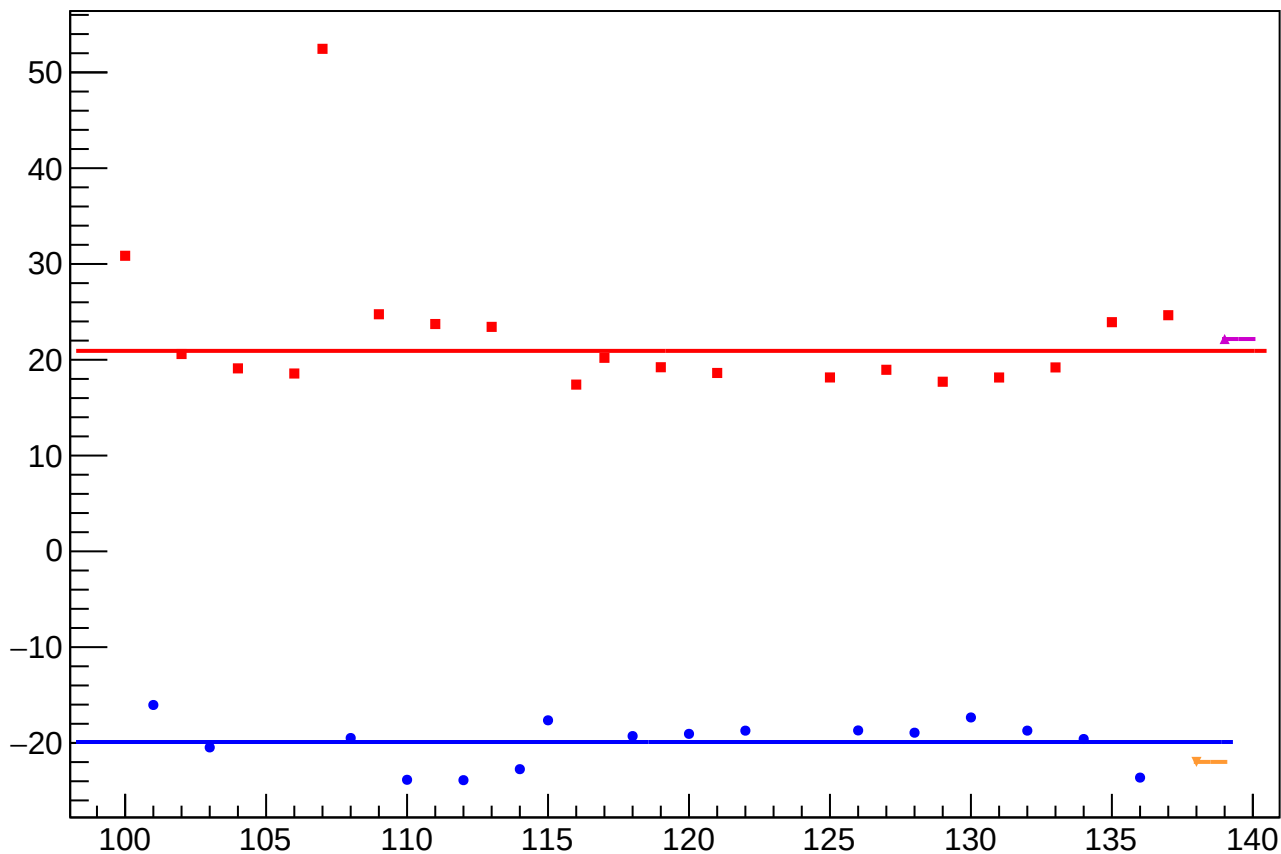
Left In: -7.844 ± 1.670 $\chi^2/\text{NDF}: 0.0/0$

5.092 ± 0.247 $\chi^2/\text{NDF}: 593.9/16$

0.715 ± 0.177 $\chi^2/\text{NDF}: 1818.2/36$

-3.941 ± 0.255 $\chi^2/\text{NDF}: 577.1/19$

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: -21.981 ± 0.039 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

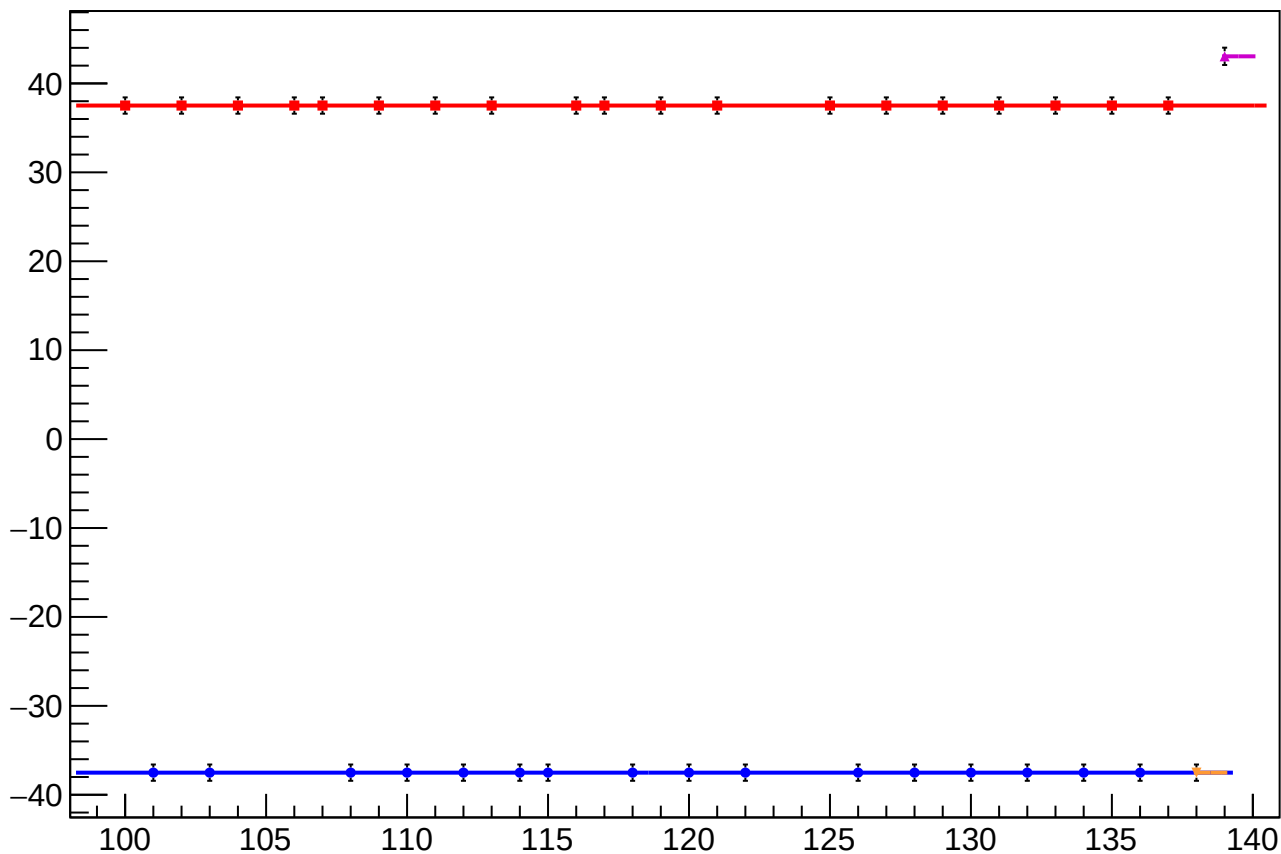
Left In: 22.166 ± 0.037 $\chi^2/\text{NDF}: 0.0/0$

-20.189 ± 0.015 $\chi^2/\text{NDF}: 28490.2/16$

0.593 ± 0.010 $\chi^2/\text{NDF}: 4190935.9/36$

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: -37.512 ± 0.916 χ^2/NDF : 0.0/0

Right Out: 37.512 ± 0.210 χ^2/NDF : 0.0/18

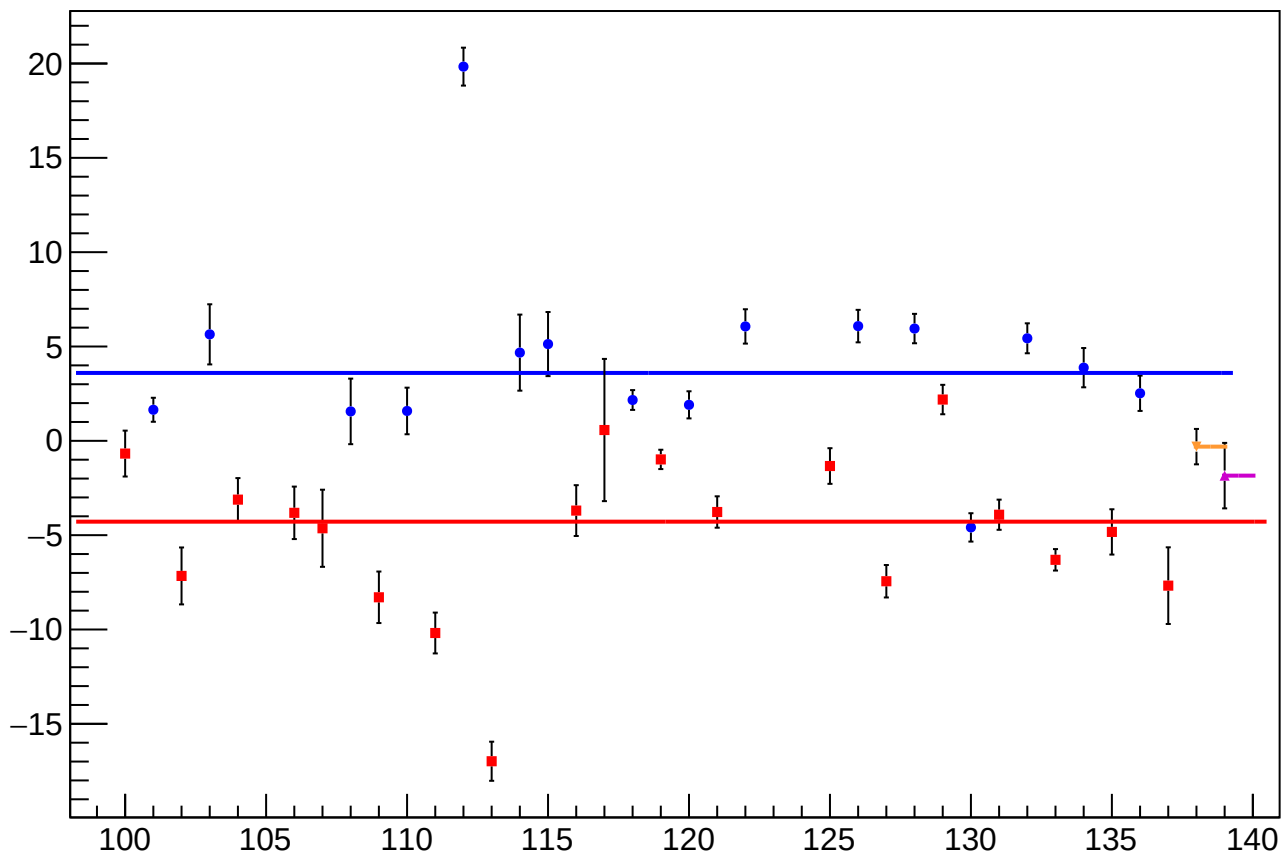
Left In: 43.047 ± 0.974 χ^2/NDF : 0.0/0

-37.512 ± 0.222 χ^2/NDF : 0.0/16

3.067 ± 0.151 χ^2/NDF : 61926.9/36

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 $\pm$ 0.220 χ^2 /NDF: 440.3/15

Left Out: -0.307 $\pm$ 0.939 χ^2 /NDF: 0.0/0

Right Out: -4.284 $\pm$ 0.221 χ^2 /NDF: 353.8/18

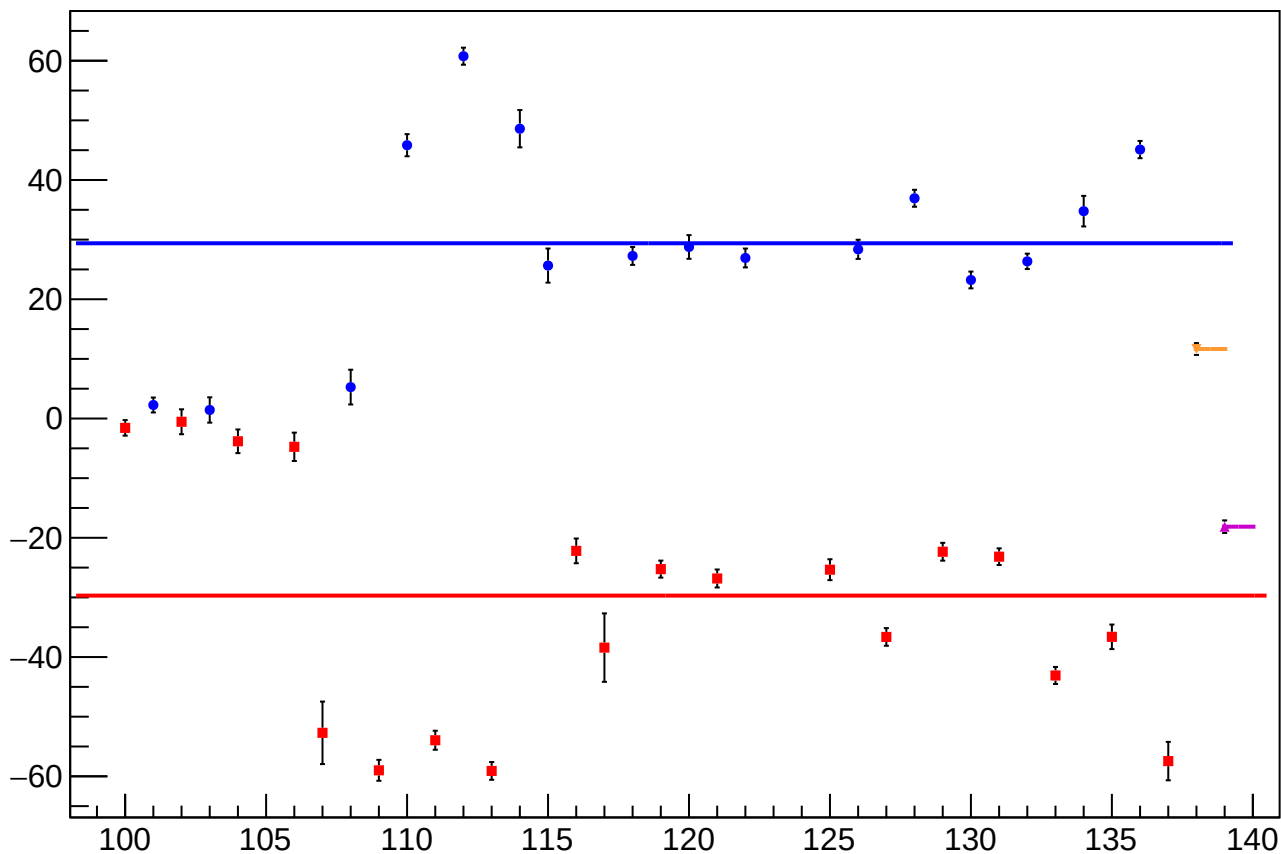
Left In: -1.844 $\pm$ 1.735 χ^2 /NDF: 0.0/0

3.396 $\pm$ 0.214 χ^2 /NDF: 456.7/16

-0.346 $\pm$ 0.153 χ^2 /NDF: 1434.5/36

-4.245 $\pm$ 0.219 χ^2 /NDF: 355.7/19

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387+/-0.419 χ^2 /NDF: 1488.6/15

Left Out: 11.659+/-0.993 χ^2 /NDF: 0.0/0

Right Out: -29.695+/-0.401 χ^2 /NDF: 2133.3/18

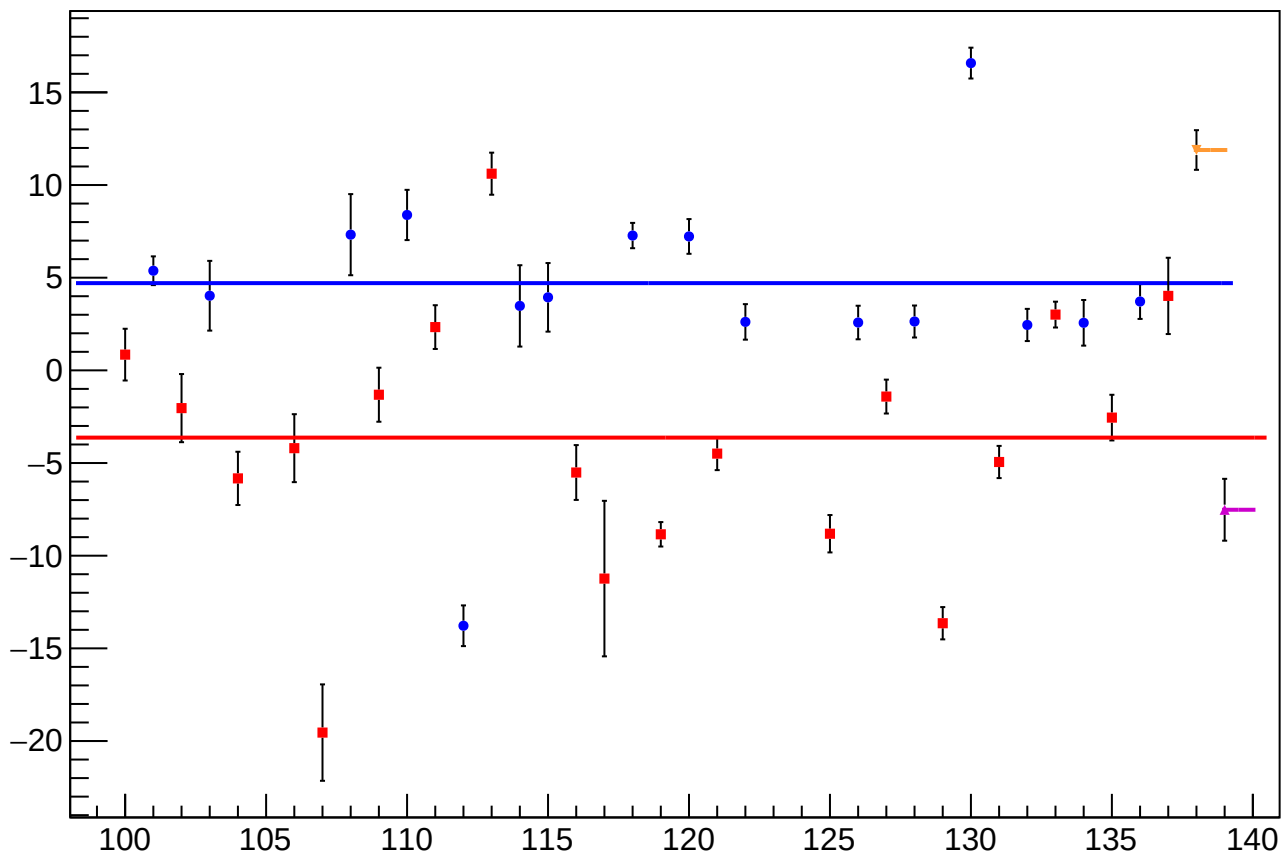
Left In: -18.137+/-1.056 χ^2 /NDF: 0.0/0

26.706+/-0.386 χ^2 /NDF: 1759.1/16

-1.563+/-0.269 χ^2 /NDF: 14407.8/36

-28.236+/-0.375 χ^2 /NDF: 2238.0/19

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 $\pm$ 0.254 χ^2/NDF : 545.2/15

Left Out: 11.890 $\pm$ 1.070 χ^2/NDF : 0.0/0

Right Out: -3.629 $\pm$ 0.254 χ^2/NDF : 576.7/18

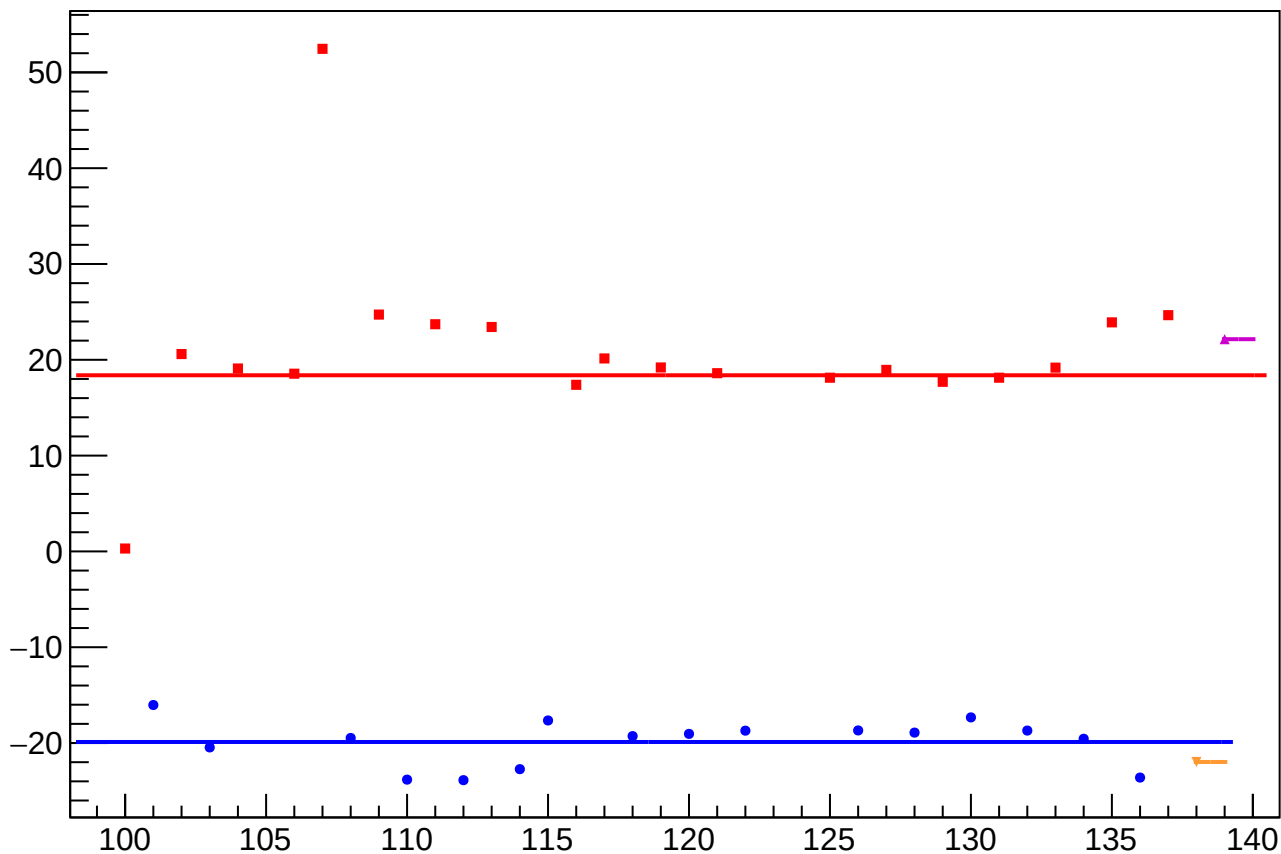
Left In: -7.522 $\pm$ 1.669 χ^2/NDF : 0.0/0

5.089 $\pm$ 0.247 χ^2/NDF : 587.9/16

0.752 $\pm$ 0.176 χ^2/NDF : 1796.0/36

-3.717 $\pm$ 0.251 χ^2/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: -21.979 ± 0.039 χ^2/NDF : 0.0/0

Right Out: 18.386 ± 0.015 χ^2/NDF : 301044.3/18

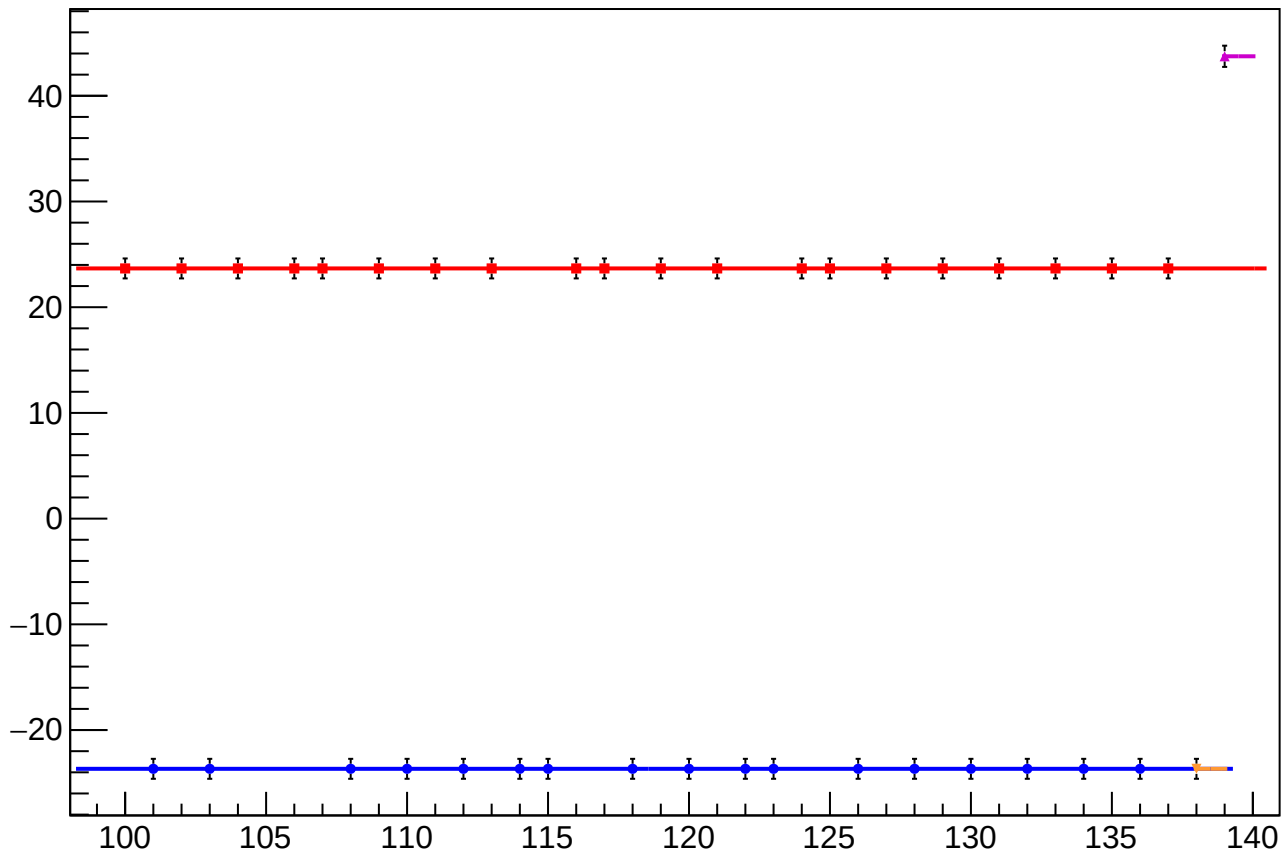
Left In: 22.152 ± 0.037 χ^2/NDF : 0.0/0

-20.179 ± 0.015 χ^2/NDF : 28508.0/16

0.536 ± 0.010 χ^2/NDF : 4179310.9/36

18.904 ± 0.014 χ^2/NDF : 310055.7/19

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected

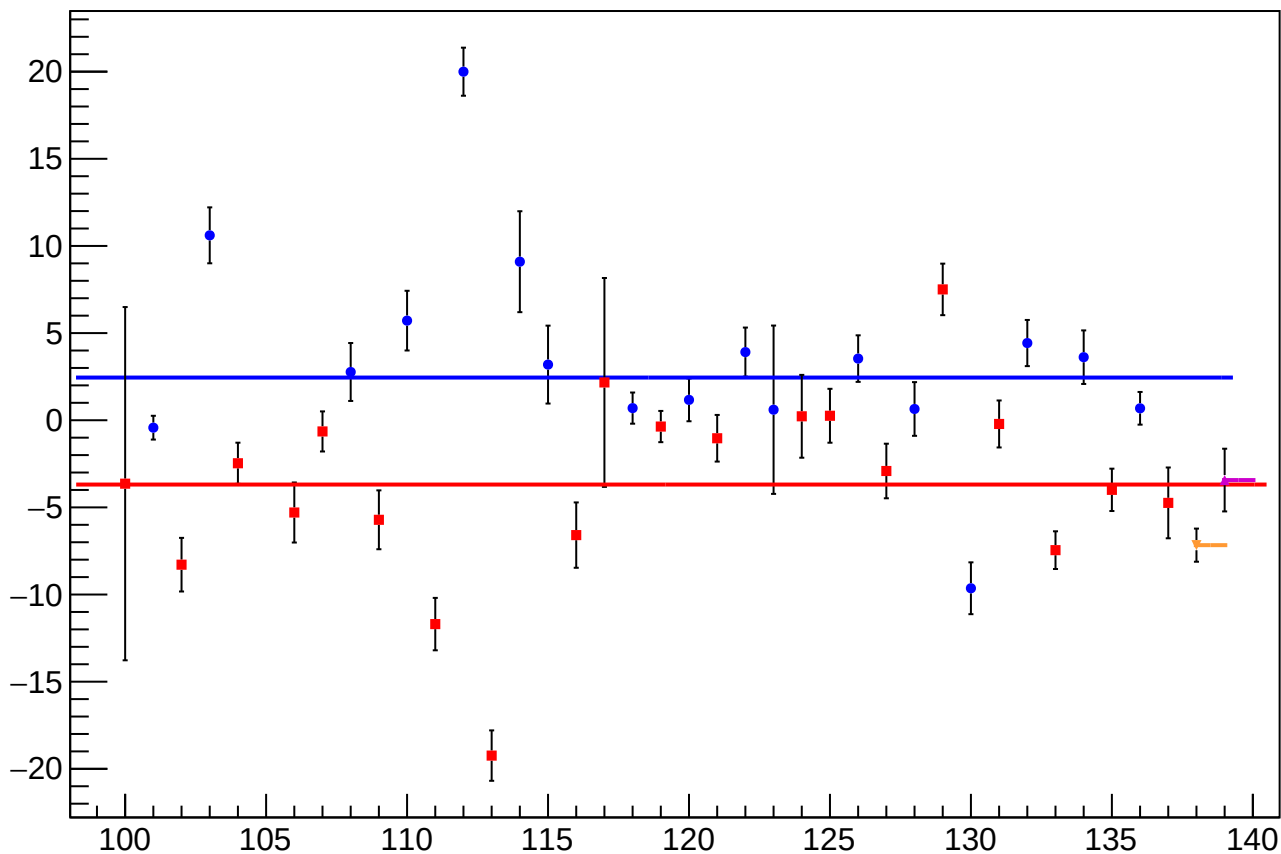


-23.668 ± 0.223 $\chi^2/\text{NDF}: 0.0/17$

2.212 ± 0.151 $\chi^2/\text{NDF}: 25551.5/38$

24.518 ± 0.207 $\chi^2/\text{NDF}: 382.3/20$

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: -7.167+/-0.950 χ^2/NDF : 0.0/0

Right Out: -3.690+/-0.326 χ^2/NDF : 270.4/19

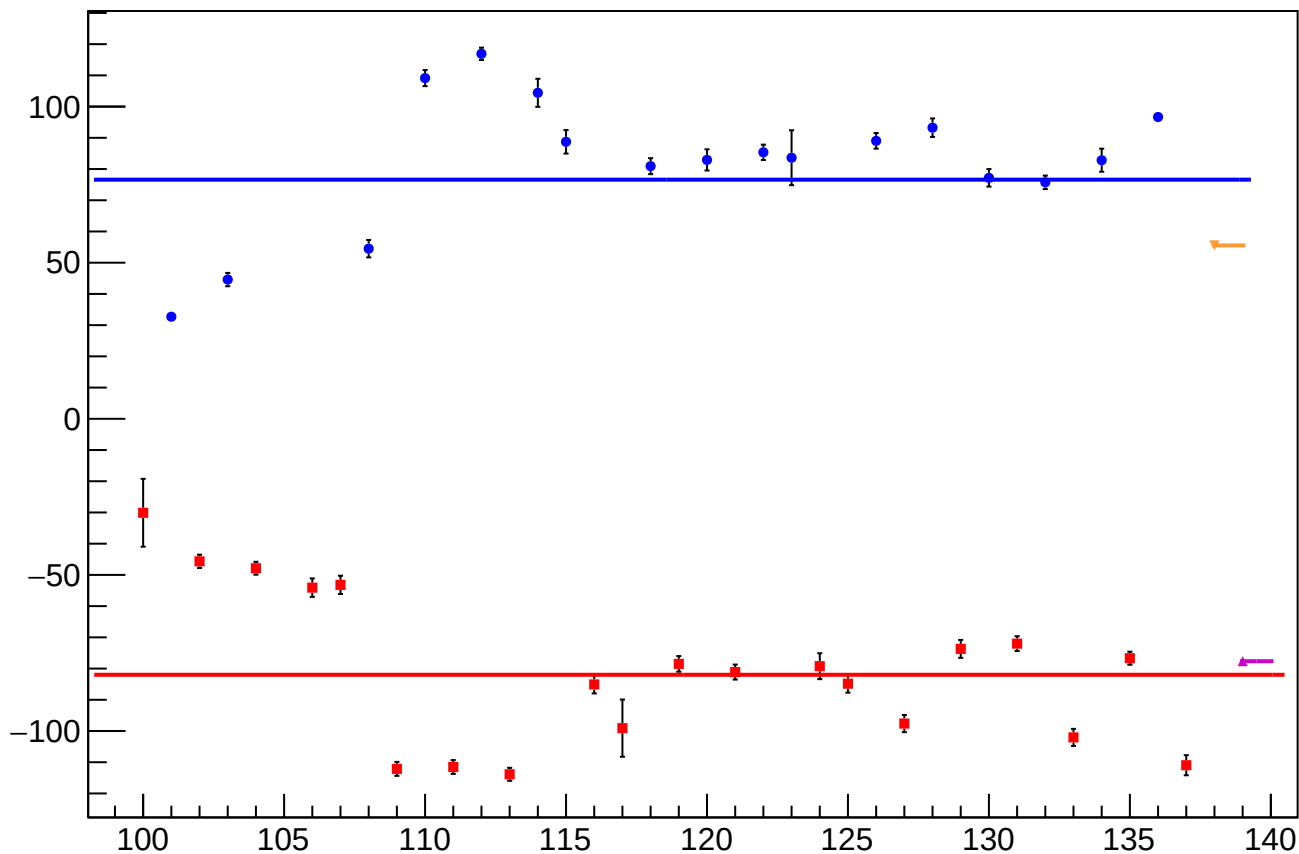
Left In: -3.433+/-1.799 χ^2/NDF : 0.0/0

1.500+/-0.299 χ^2/NDF : 387.6/17

-0.906+/-0.218 χ^2/NDF : 797.9/38

-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: 55.541 $\pm$ 1.024 χ^2 /NDF: 0.0/0

Right Out: -81.987 $\pm$ 0.591 χ^2 /NDF: 1574.2/19

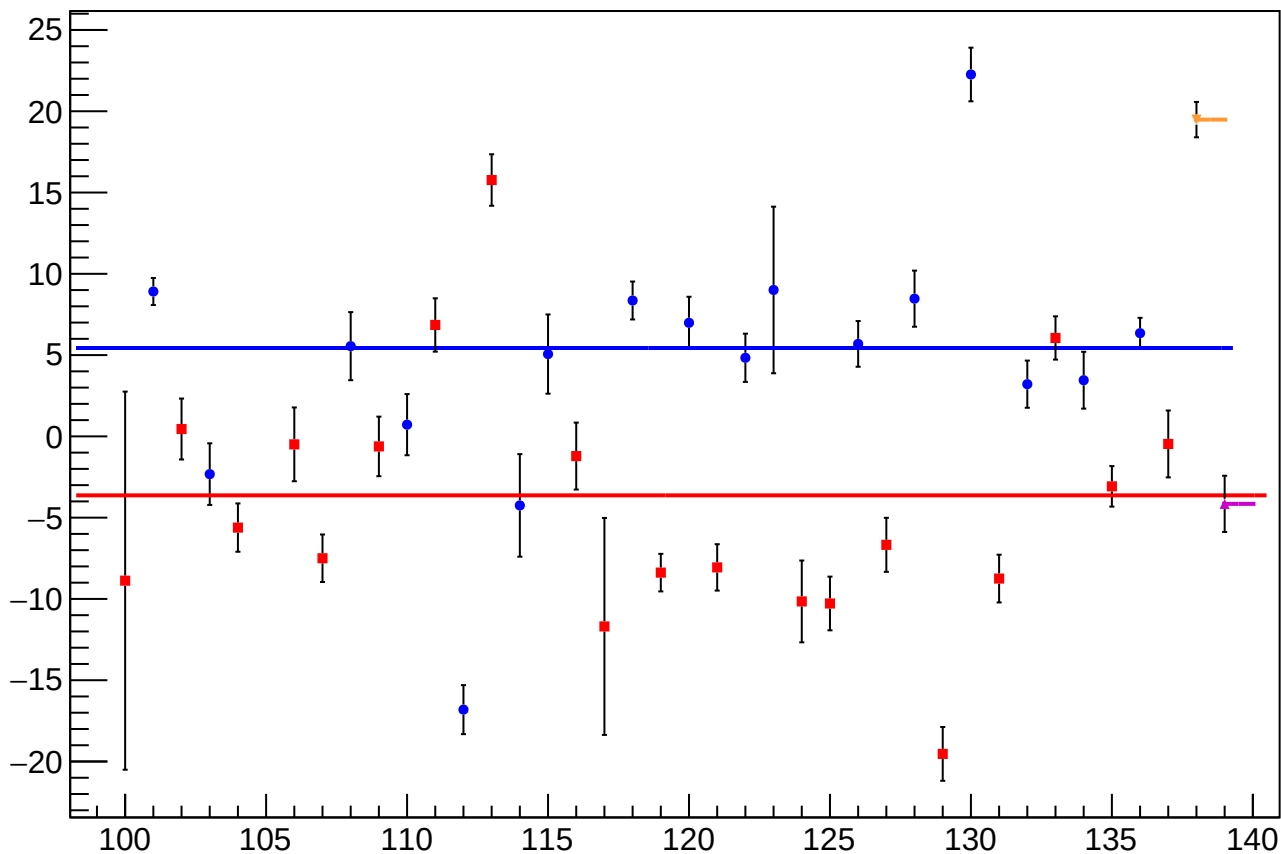
Left In: -77.639 $\pm$ 1.088 χ^2 /NDF: 0.0/0

71.535 $\pm$ 0.502 χ^2 /NDF: 2576.3/17

-2.161 $\pm$ 0.361 χ^2 /NDF: 48762.1/38

-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+/-0.360 χ^2/NDF : 387.2/16

Left Out: 19.486+/-1.088 χ^2/NDF : 0.0/0

Right Out: -3.628+/-0.374 χ^2/NDF : 424.8/19

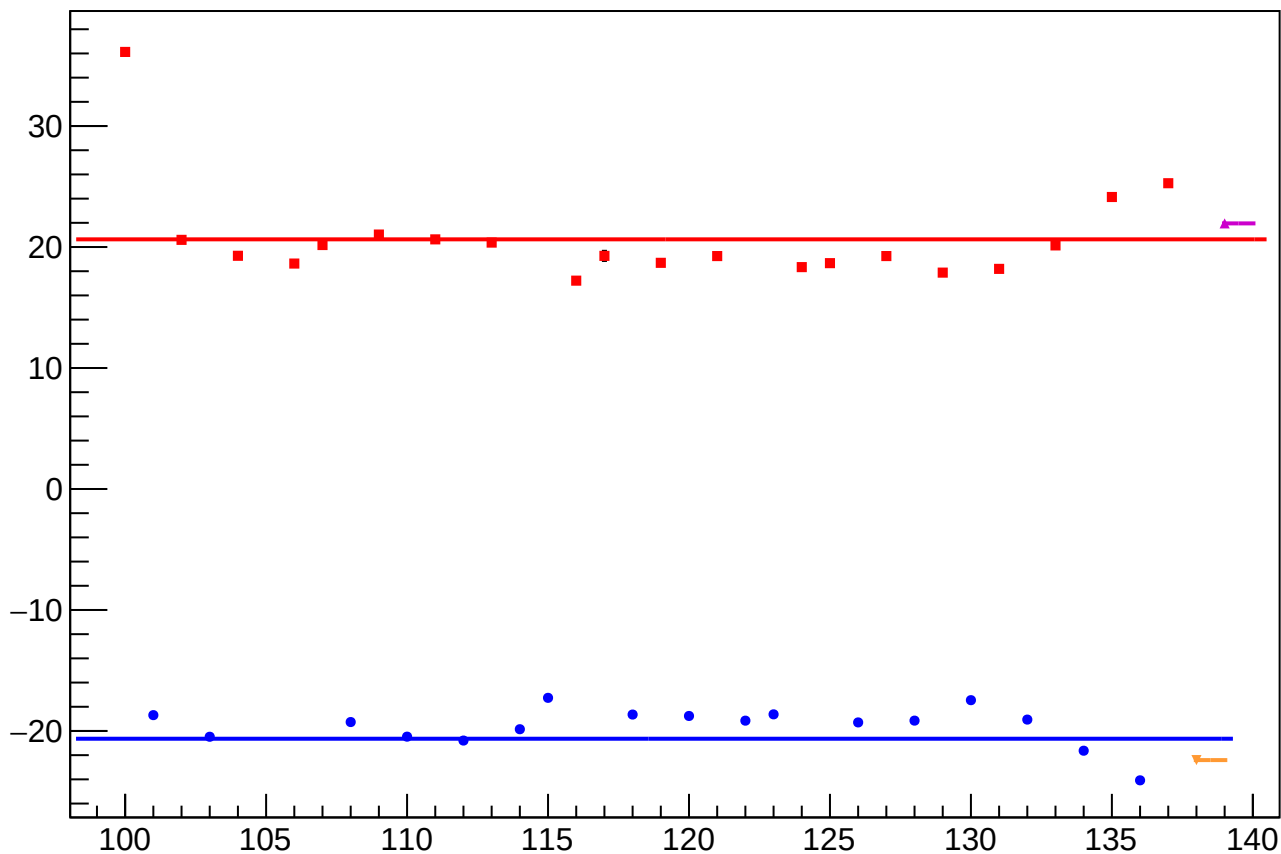
Left In: -4.152+/-1.731 χ^2/NDF : 0.0/0

6.825+/-0.342 χ^2/NDF : 537.5/17

1.940+/-0.250 χ^2/NDF : 1399.8/38

-3.651+/-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: -22.408 ± 0.040 χ^2/NDF : 0.0/0

Right Out: 20.635 ± 0.019 χ^2/NDF : 13794.0/19

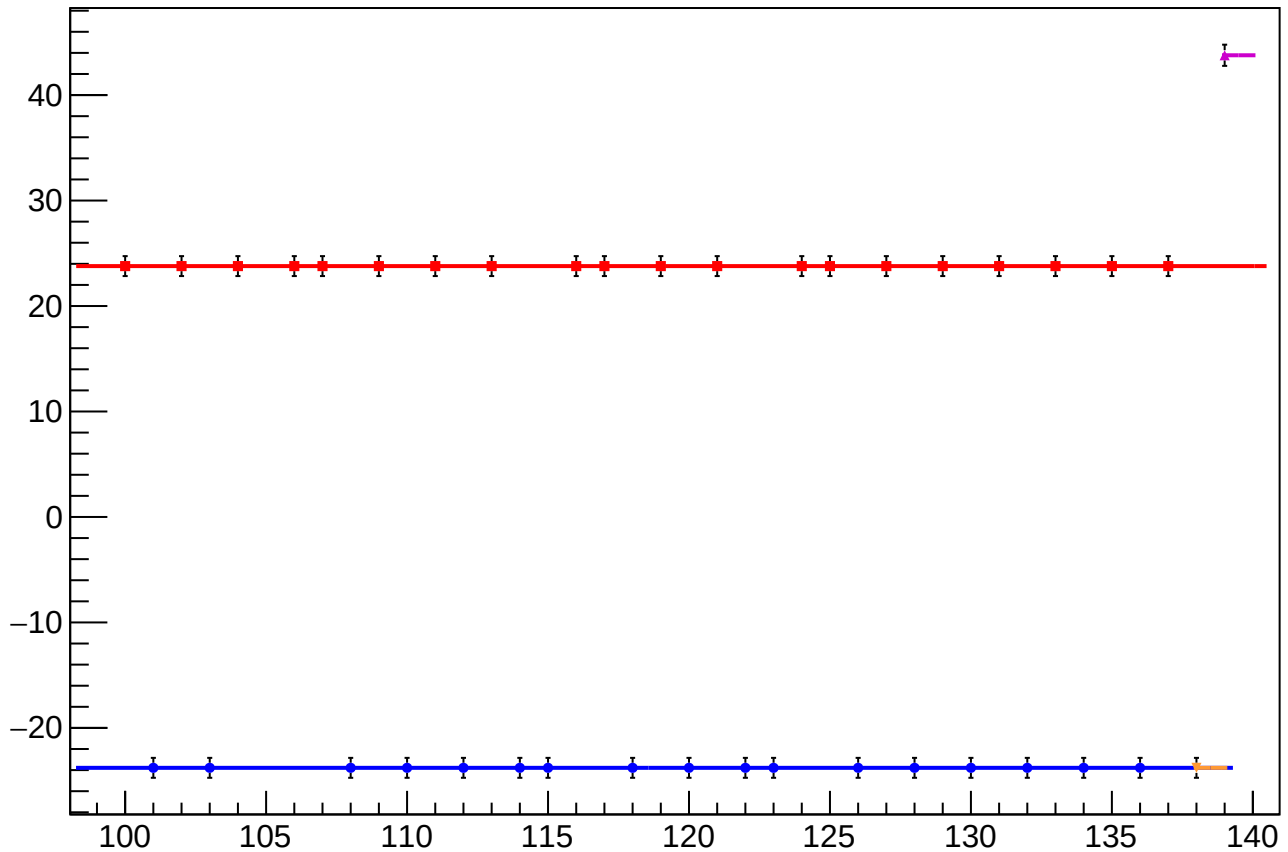
Left In: 21.953 ± 0.038 χ^2/NDF : 0.0/0

-20.970 ± 0.017 χ^2/NDF : 13982.7/17

0.116 ± 0.012 χ^2/NDF : 2930098.2/38

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: -23.785 $\pm$ 0.945 χ^2 /NDF: 0.0/0

Right Out: 23.785 $\pm$ 0.211 χ^2 /NDF: 0.0/19

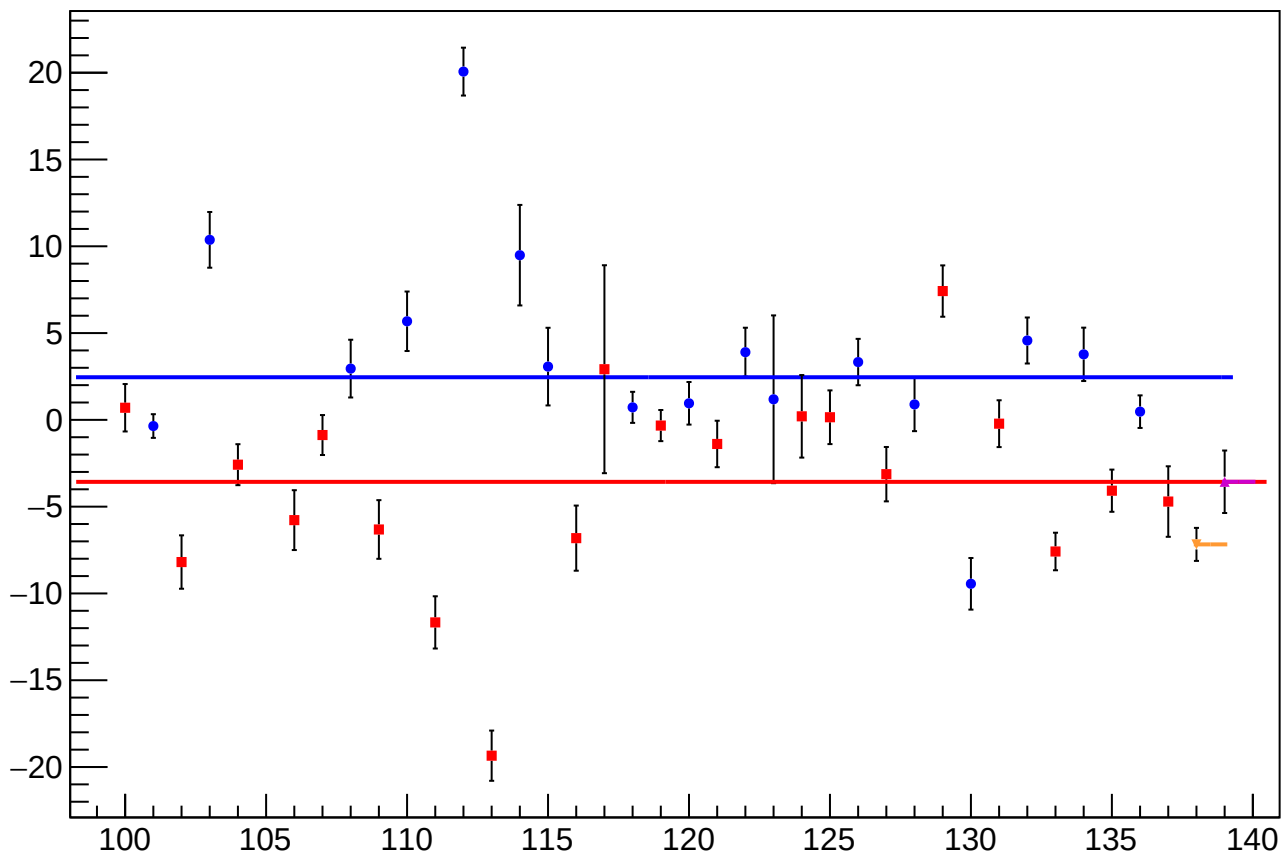
Left In: 43.774 $\pm$ 1.005 χ^2 /NDF: 0.0/0

-23.785 $\pm$ 0.223 χ^2 /NDF: 0.0/17

2.219 $\pm$ 0.152 χ^2 /NDF: 25752.8/38

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: -7.174+/-0.951 χ^2/NDF : 0.0/0

Right Out: -3.571+/-0.317 χ^2/NDF : 281.0/19

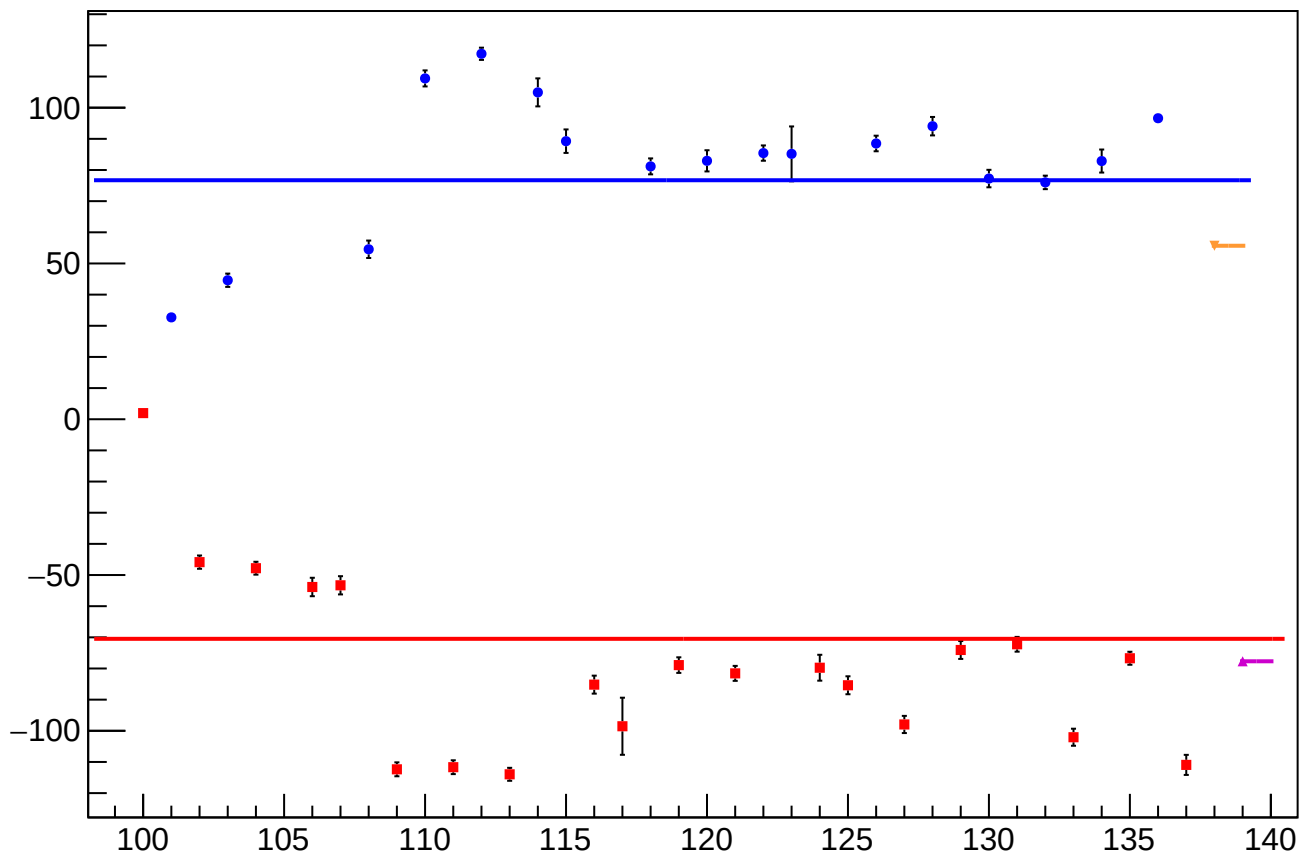
Left In: -3.567+/-1.800 χ^2/NDF : 0.0/0

1.506+/-0.299 χ^2/NDF : 385.9/17

-0.918+/-0.216 χ^2/NDF : 804.9/38

-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 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 55.686 $\pm$ 1.025 χ^2 /NDF: 0.0/0

Right Out: -70.477 $\pm$ 0.549 χ^2 /NDF: 4400.1/19

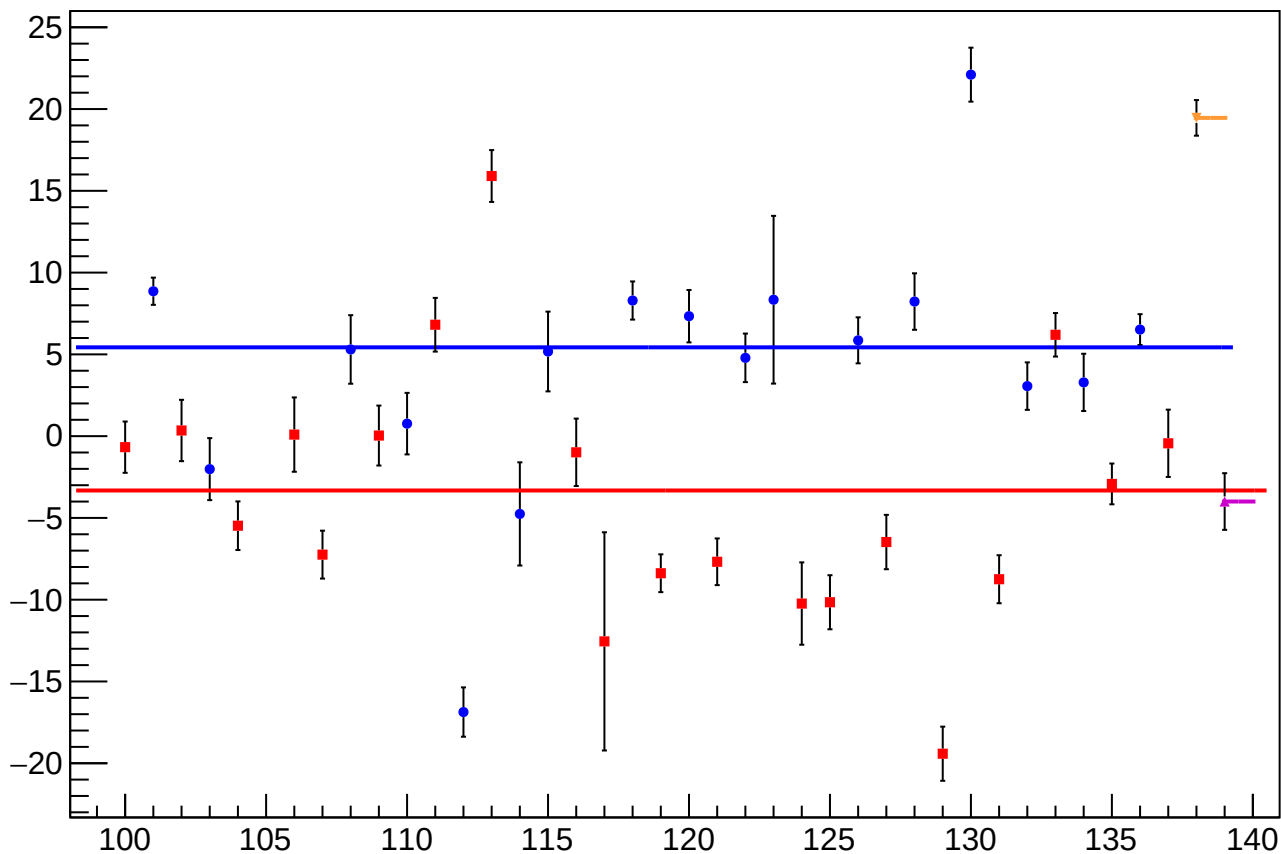
Left In: -77.688 $\pm$ 1.089 χ^2 /NDF: 0.0/0

71.659 $\pm$ 0.502 χ^2 /NDF: 2586.5/17

-1.902 $\pm$ 0.351 χ^2 /NDF: 48881.0/38

-71.937 $\pm$ 0.490 χ^2 /NDF: 4435.0/20

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 $\pm$ 0.361 χ^2 /NDF: 385.9/16

Left Out: 19.460 $\pm$ 1.089 χ^2 /NDF: 0.0/0

Right Out: -3.323 $\pm$ 0.365 χ^2 /NDF: 428.0/19

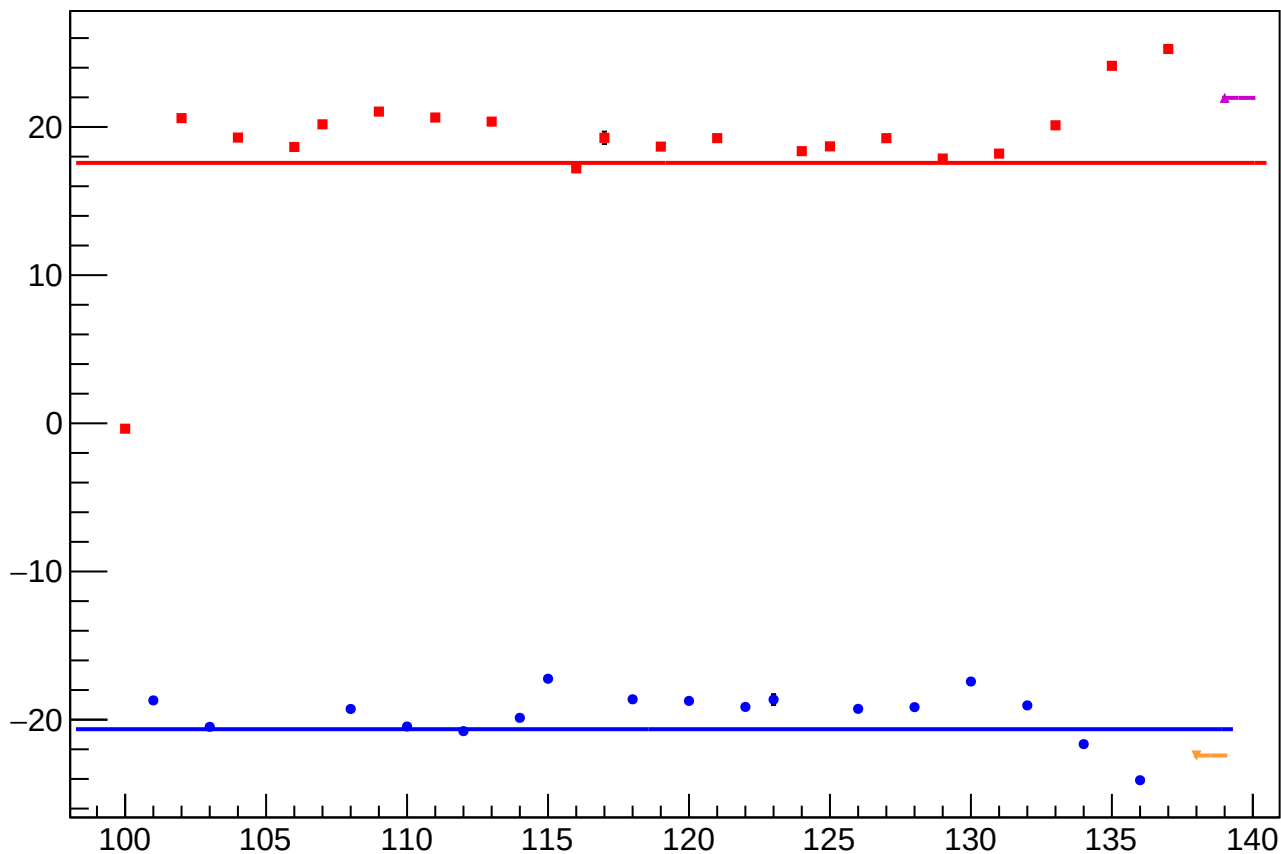
Left In: -3.997 $\pm$ 1.732 χ^2 /NDF: 0.0/0

6.817 $\pm$ 0.342 χ^2 /NDF: 535.5/17

1.943 $\pm$ 0.247 χ^2 /NDF: 1386.8/38

-3.351 $\pm$ 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 χ^2/NDF : 12468.6/16

Left Out: -22.419 ± 0.040 χ^2/NDF : 0.0/0

Right Out: 17.577 ± 0.018 χ^2/NDF : 178343.3/19

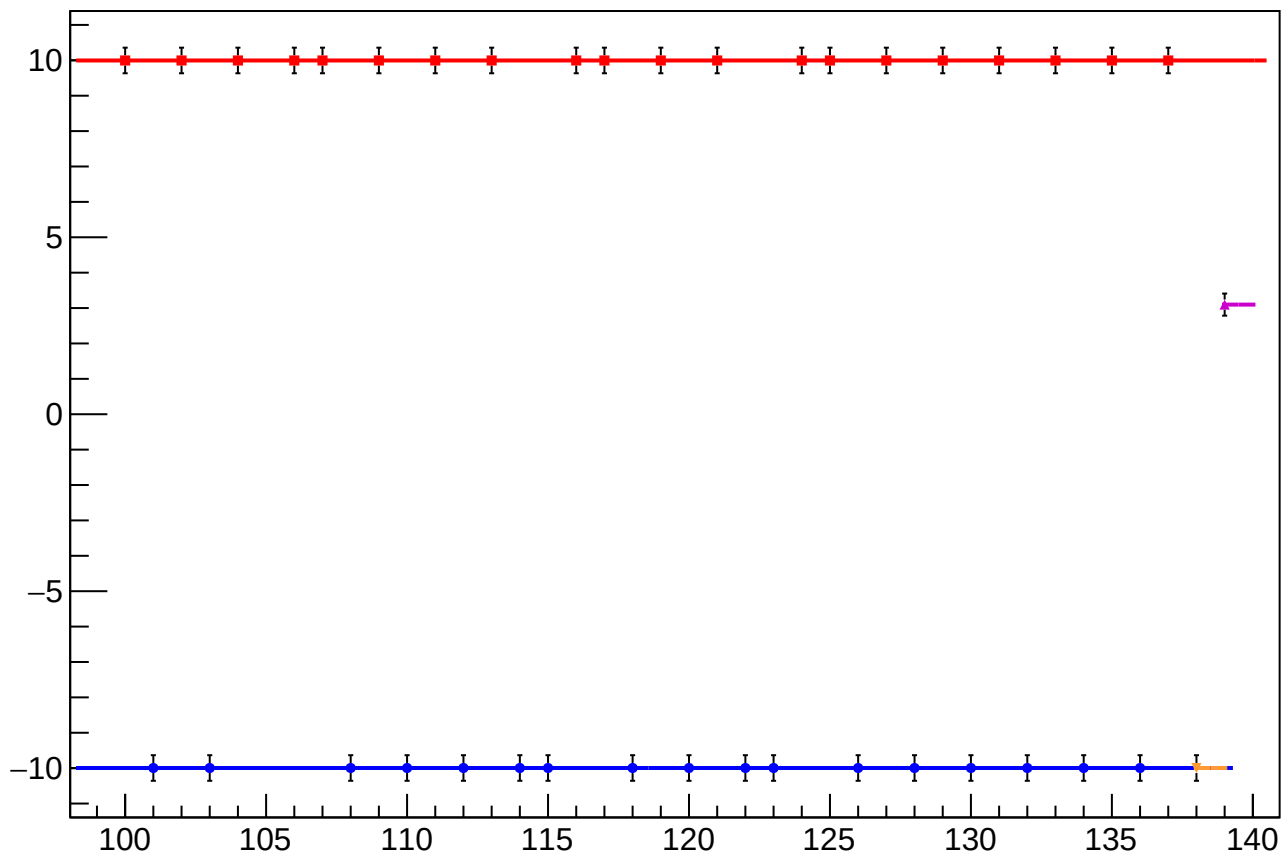
Left In: 21.965 ± 0.038 χ^2/NDF : 0.0/0

-20.973 ± 0.017 χ^2/NDF : 14034.0/17

0.047 ± 0.012 χ^2/NDF : 2917567.3/38

18.374 ± 0.016 χ^2/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: -9.995 ± 0.362 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 9.995 ± 0.081 $\chi^2/\text{NDF}: 0.0/19$

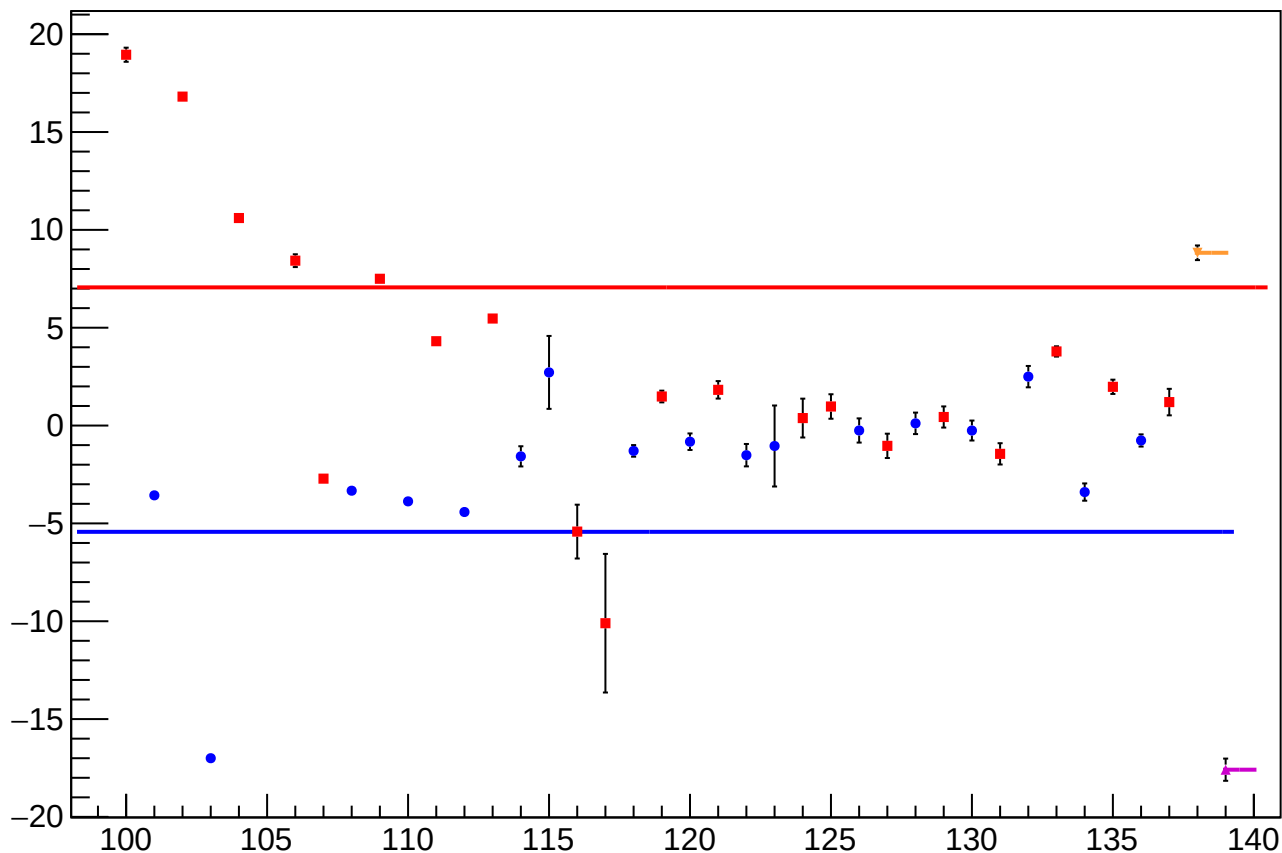
Left In: 3.097 ± 0.312 $\chi^2/\text{NDF}: 0.0/0$

-9.995 ± 0.085 $\chi^2/\text{NDF}: 0.0/17$

0.614 ± 0.058 $\chi^2/\text{NDF}: 28995.9/38$

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 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 8.829 ± 0.374 χ^2/NDF : 0.0/0

Right Out: 7.061 ± 0.059 χ^2/NDF : 12330.1/19

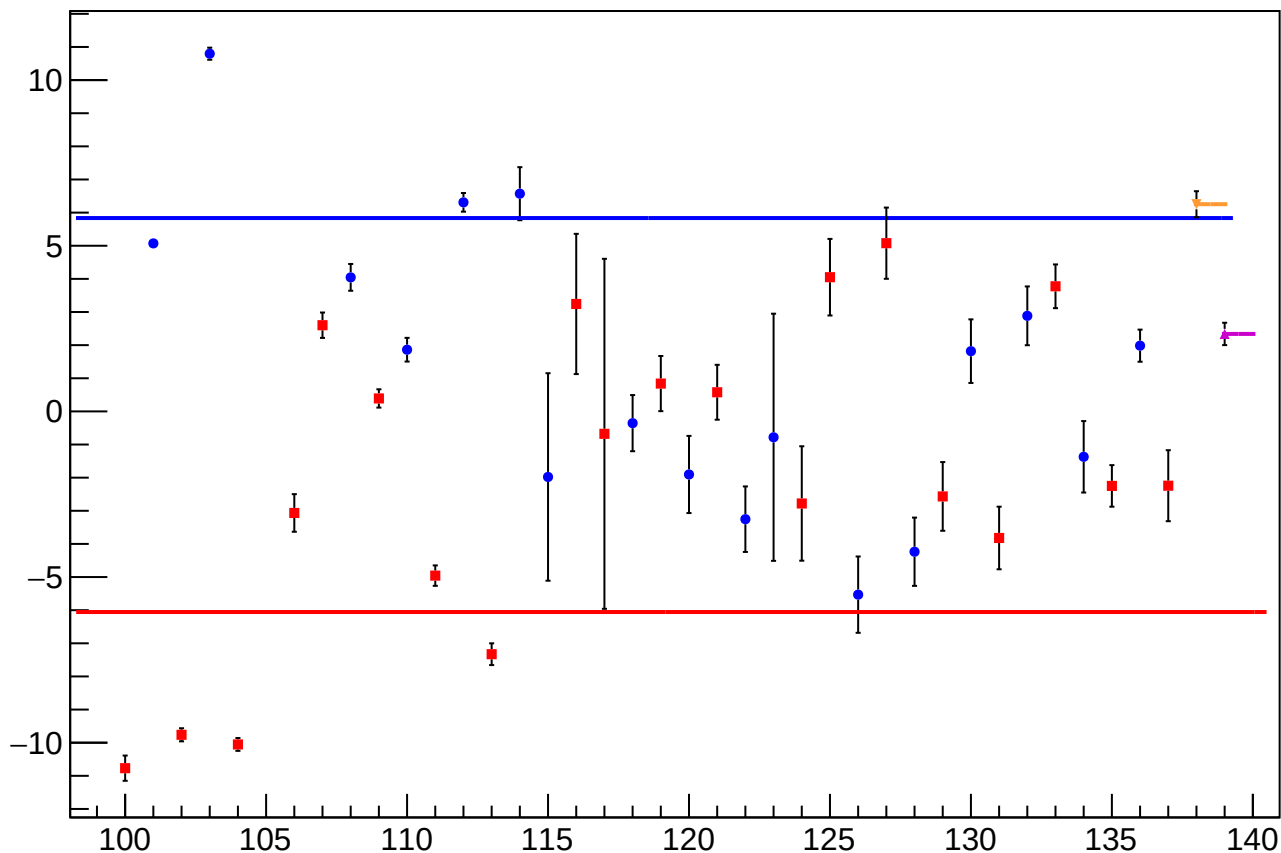
Left In: -17.586 ± 0.568 χ^2/NDF : 0.0/0

-5.131 ± 0.054 χ^2/NDF : 10654.3/17

0.368 ± 0.040 χ^2/NDF : 47107.1/38

6.797 ± 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: 6.254 $\pm$ 0.392 χ^2/NDF : 0.0/0

Right Out: -6.056 $\pm$ 0.093 χ^2/NDF : 2669.9/19

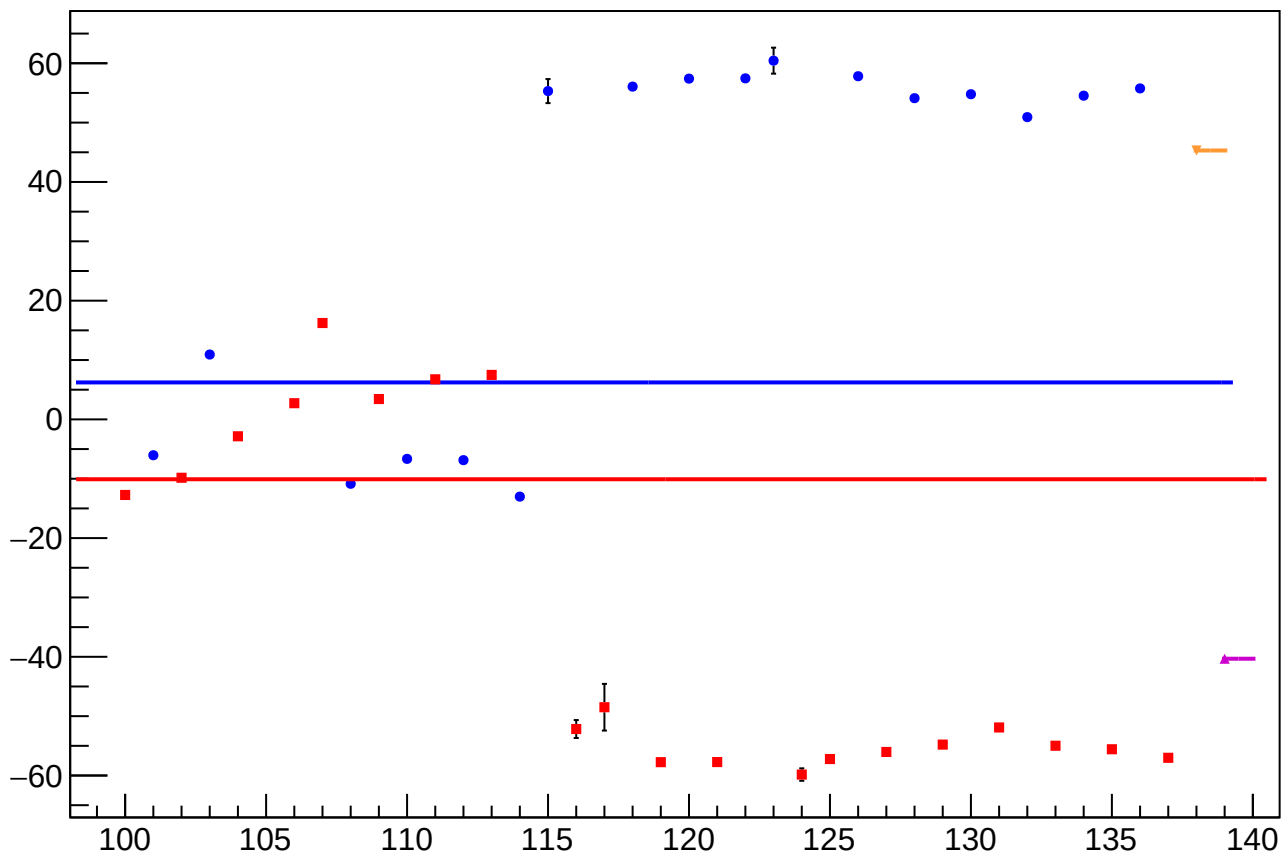
Left In: 2.339 $\pm$ 0.337 χ^2/NDF : 0.0/0

5.857 $\pm$ 0.087 χ^2/NDF : 1441.9/17

0.361 $\pm$ 0.063 χ^2/NDF : 12828.9/38

-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 χ^2 /NDF: 120955.1/16

Left Out: 45.306+/-0.425 χ^2 /NDF: 0.0/0

Right Out: -10.087+/-0.070 χ^2 /NDF: 122144.7/19

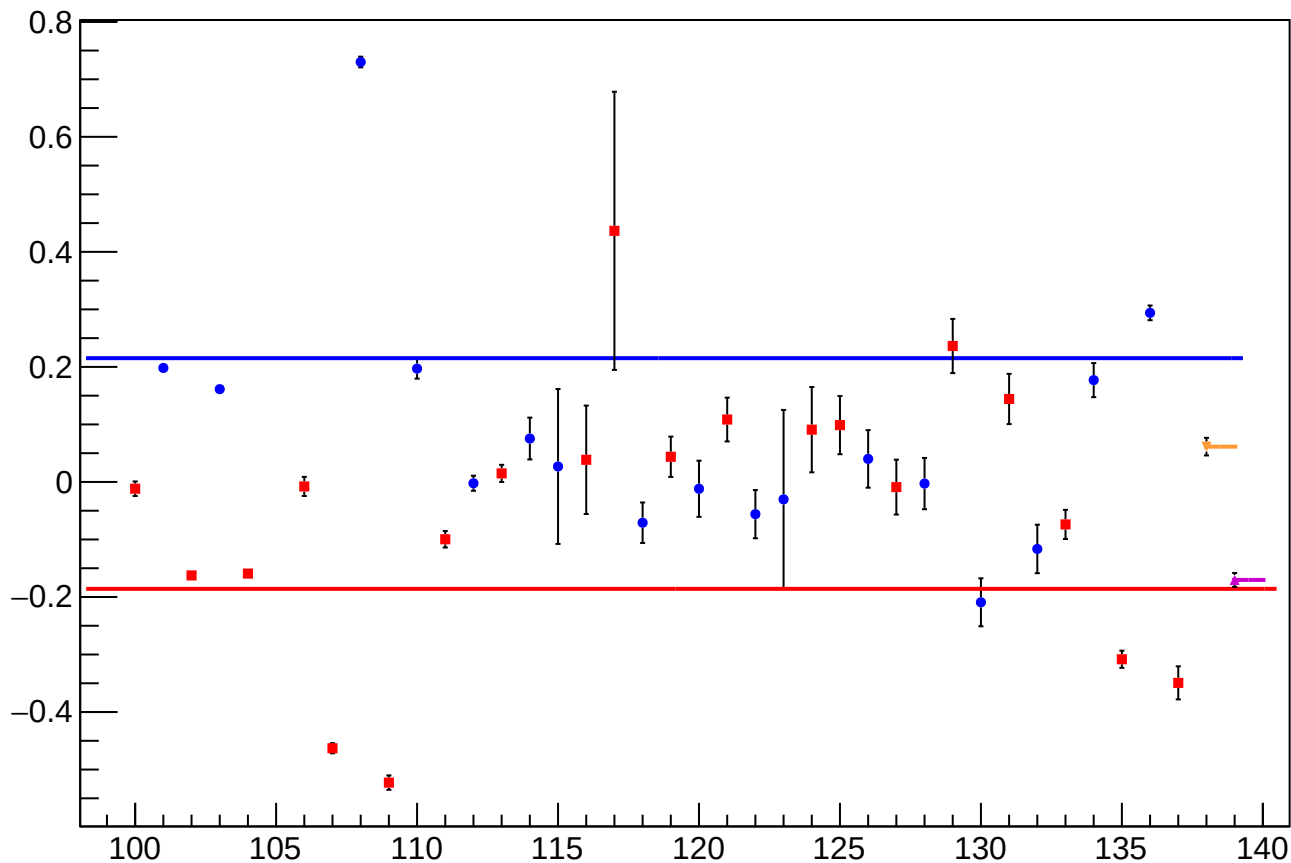
Left In: -40.323+/-0.547 χ^2 /NDF: 0.0/0

7.117+/-0.064 χ^2 /NDF: 129233.9/17

-1.054+/-0.047 χ^2 /NDF: 289573.7/38

-10.571+/-0.069 χ^2 /NDF: 125152.5/20

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.061 ± 0.015 χ^2/NDF : 0.0/0

Right Out: -0.186 ± 0.003 χ^2/NDF : 2724.7/19

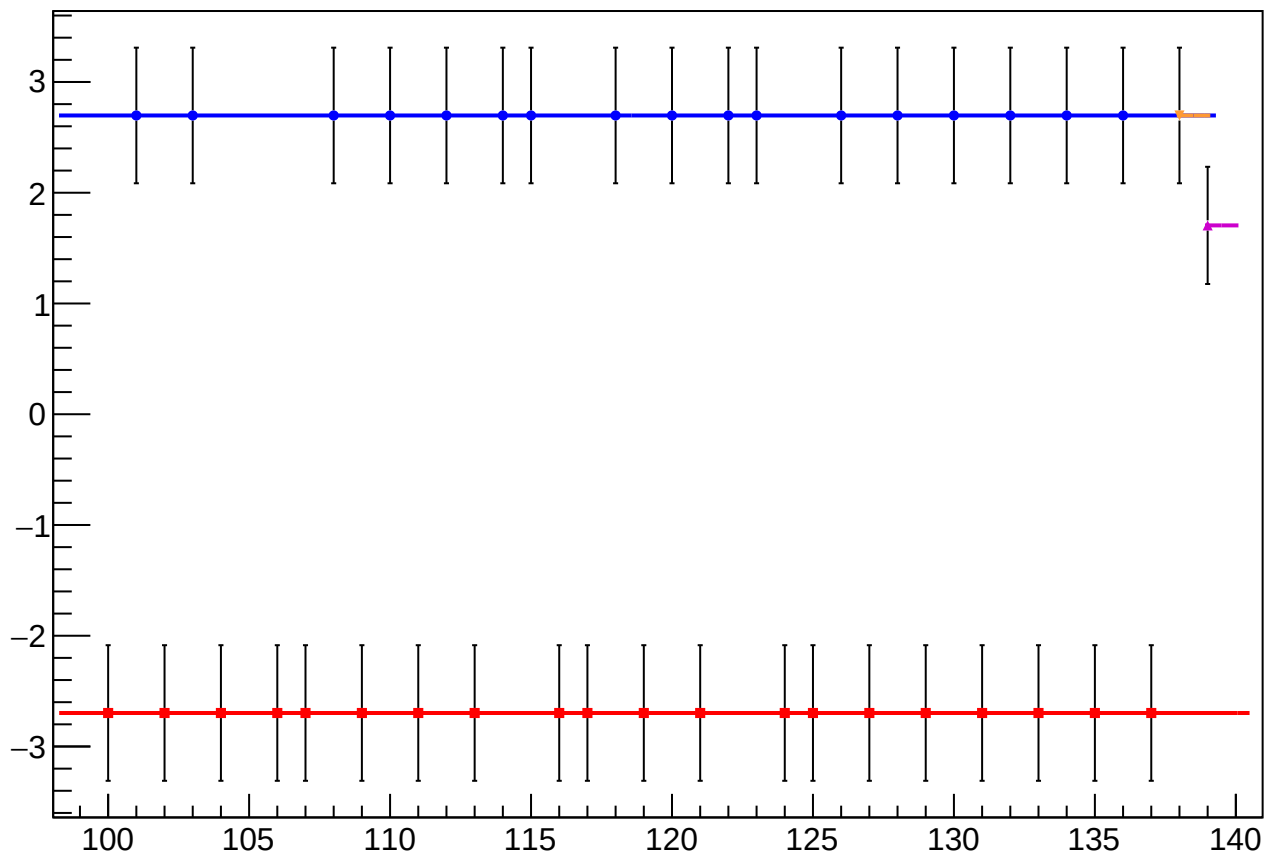
Left In: -0.170 ± 0.012 χ^2/NDF : 0.0/0

0.210 ± 0.003 χ^2/NDF : 4023.5/17

0.005 ± 0.002 χ^2/NDF : 17676.9/38

-0.185 ± 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 χ^2/NDF : 0.0/16

Left Out: 2.698 ± 0.612 χ^2/NDF : 0.0/0

Right Out: -2.698 ± 0.137 χ^2/NDF : 0.0/19

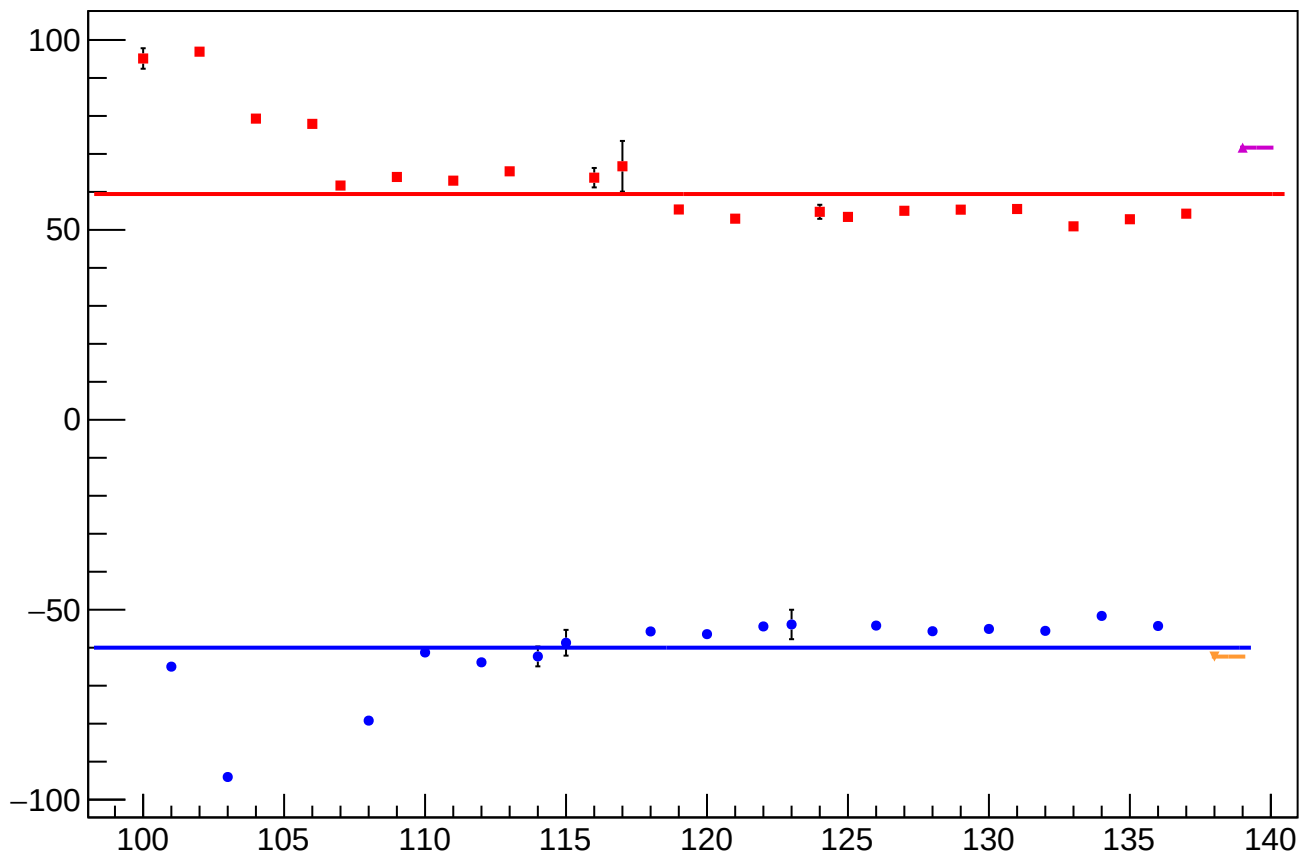
Left In: 1.705 ± 0.529 χ^2/NDF : 0.0/0

2.698 ± 0.144 χ^2/NDF : 0.0/17

-0.079 ± 0.098 χ^2/NDF : 747.5/38

-2.421 ± 0.133 χ^2/NDF : 64.9/20

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 $\chi^2/\text{NDF}: 1972.9/16$

Left Out: -62.337 ± 0.673 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 59.442 ± 0.212 $\chi^2/\text{NDF}: 2919.1/19$

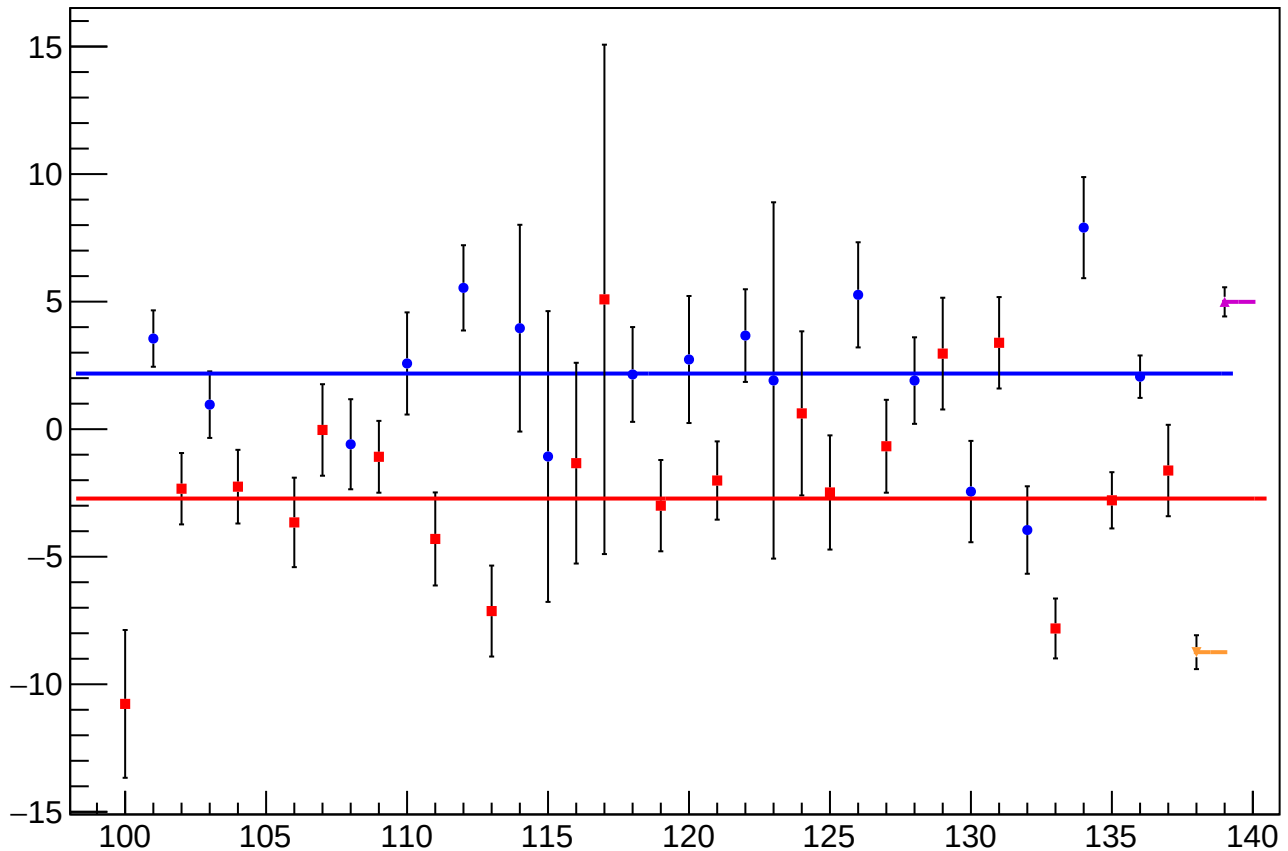
Left In: 71.657 ± 0.957 $\chi^2/\text{NDF}: 0.0/0$

-60.227 ± 0.213 $\chi^2/\text{NDF}: 1983.8/17$

1.766 ± 0.149 $\chi^2/\text{NDF}: 168783.2/38$

60.012 ± 0.207 $\chi^2/\text{NDF}: 3074.2/20$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

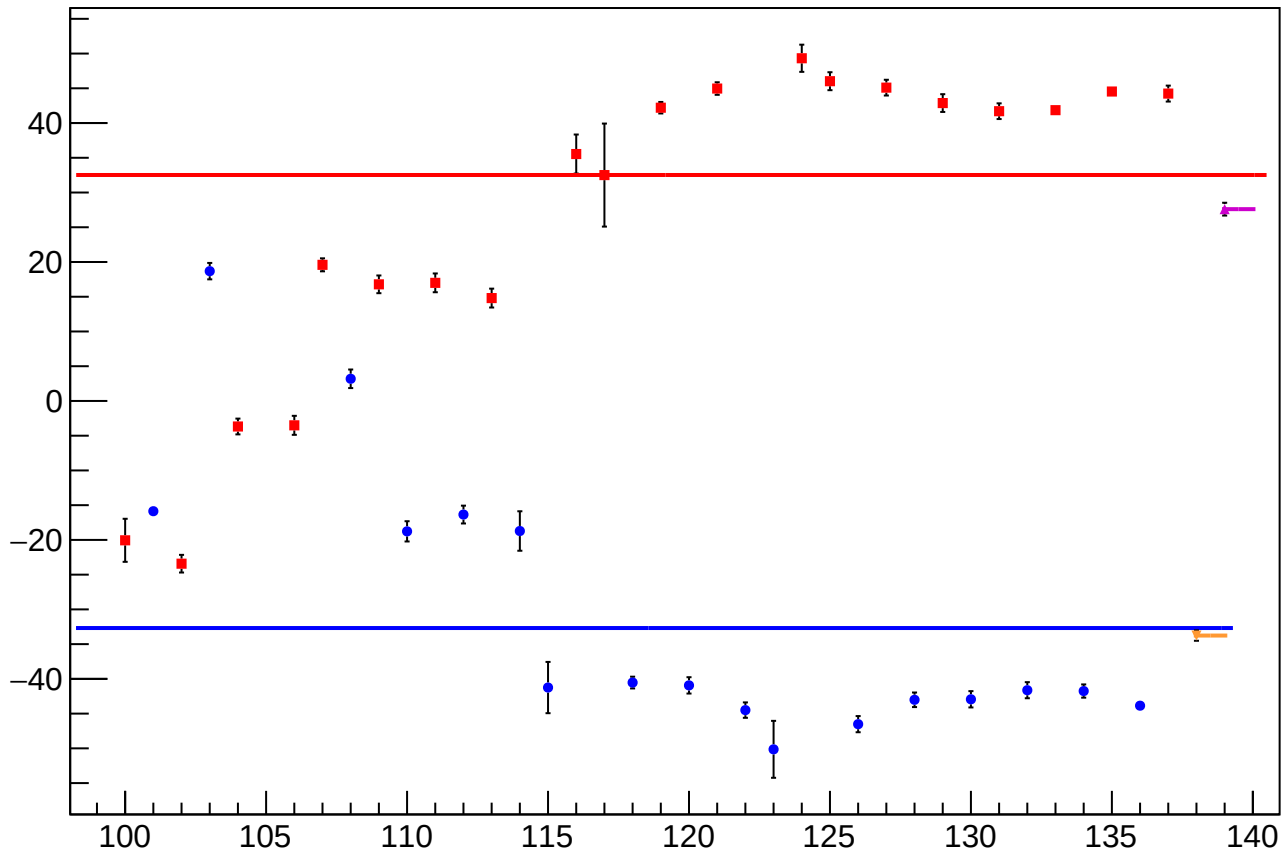
Left Out: -0.786 ± 0.346 $\chi^2/\text{NDF}: 236.0/17$

-0.521 ± 0.235 $\chi^2/\text{NDF}: 421.1/38$

Right Out: -0.293 ± 0.321 $\chi^2/\text{NDF}: 184.0/20$

Left In: 4.991 ± 0.572 $\chi^2/\text{NDF}: 0.0/0$

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: -33.766 ± 0.751 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

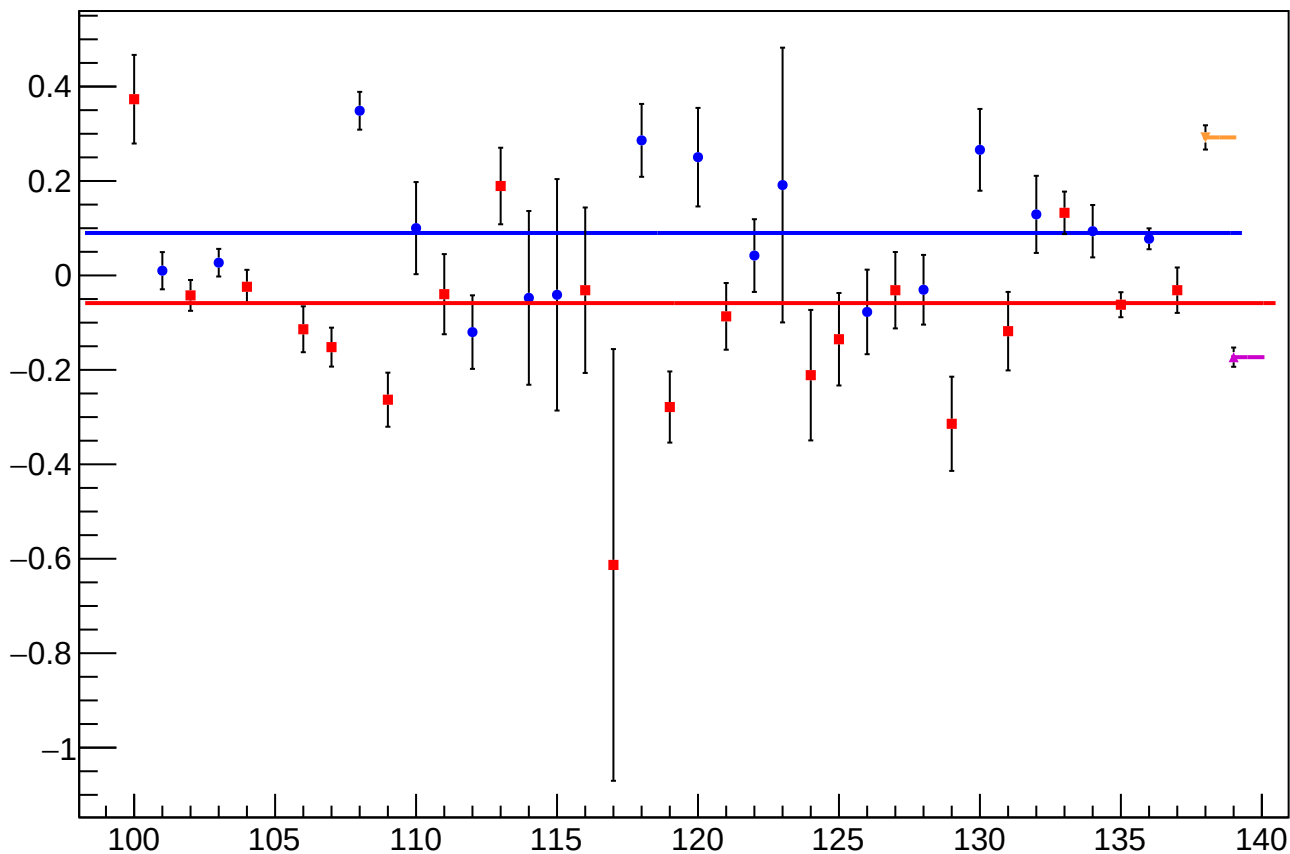
Left In: 27.607 ± 0.922 $\chi^2/\text{NDF}: 0.0/0$

-32.795 ± 0.242 $\chi^2/\text{NDF}: 4648.8/17$

0.568 ± 0.169 $\chi^2/\text{NDF}: 47712.2/38$

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: 0.292 $\pm$ 0.026 χ^2/NDF : 0.0/0

Right Out: -0.059 $\pm$ 0.012 χ^2/NDF : 88.6/19

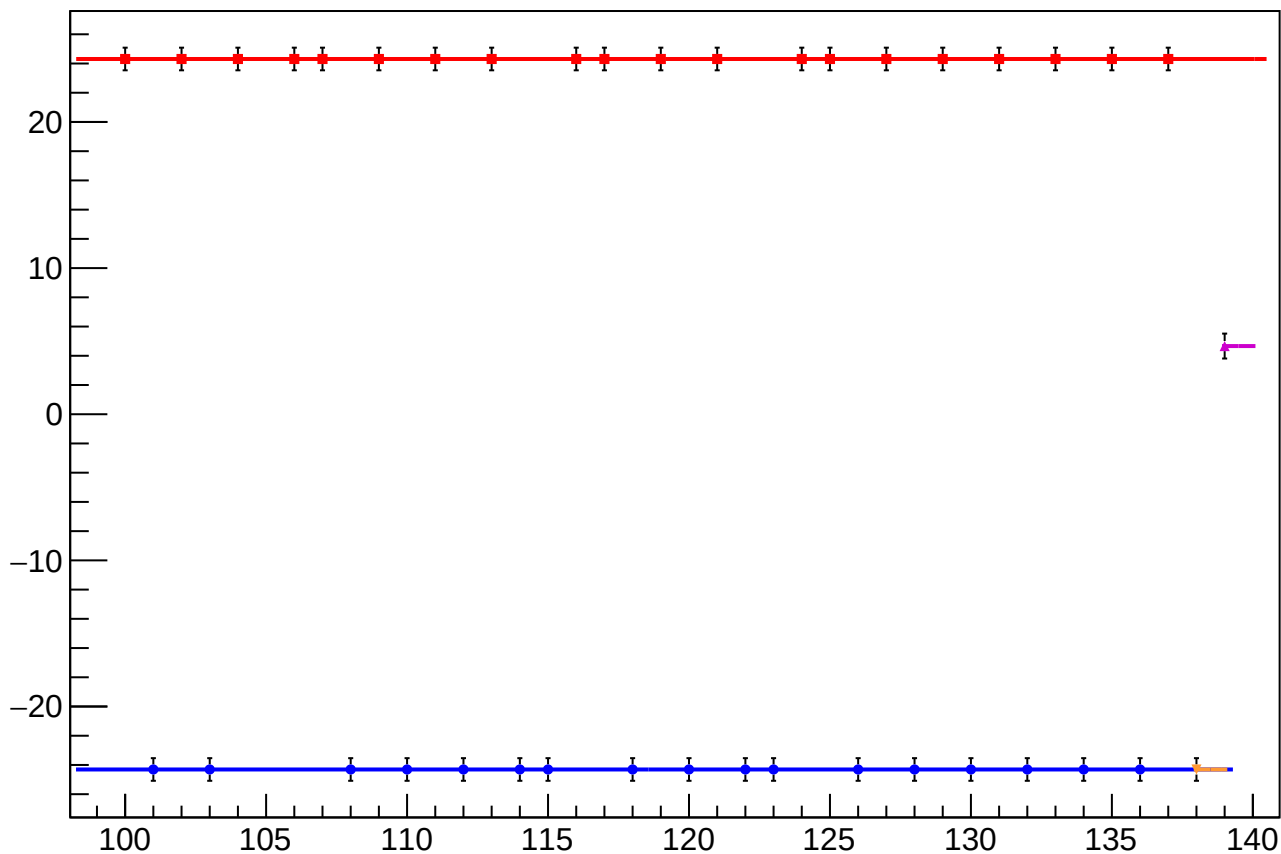
Left In: -0.173 $\pm$ 0.020 χ^2/NDF : 0.0/0

0.130 $\pm$ 0.011 χ^2/NDF : 128.6/17

0.011 $\pm$ 0.008 χ^2/NDF : 440.0/38

-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: -24.309 ± 0.775 χ^2/NDF : 0.0/0

Right Out: 24.309 ± 0.173 χ^2/NDF : 0.0/19

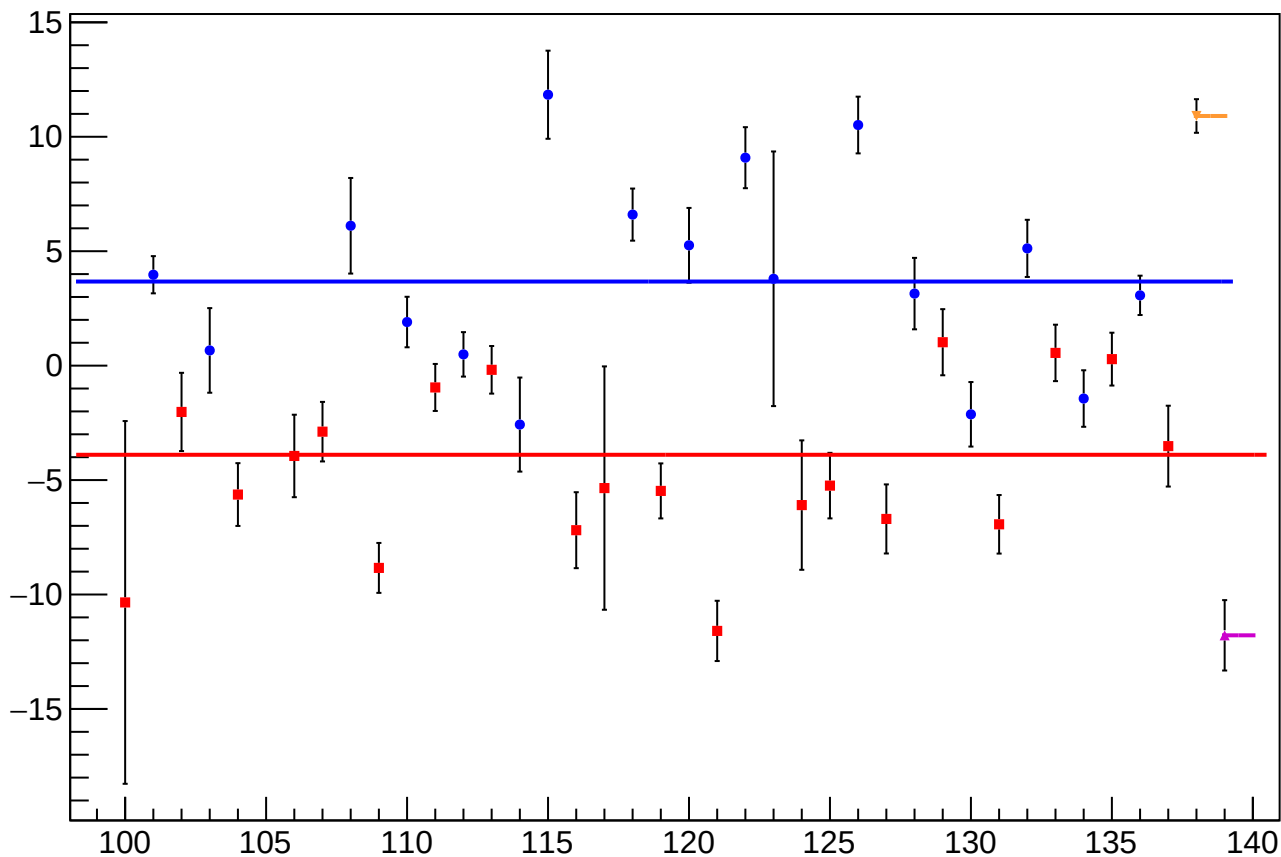
Left In: 4.665 ± 0.853 χ^2/NDF : 0.0/0

-24.309 ± 0.183 χ^2/NDF : 0.0/17

1.351 ± 0.124 χ^2/NDF : 37330.2/38

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: 10.908 ± 0.735 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -3.895 ± 0.316 $\chi^2/\text{NDF}: 133.8/19$

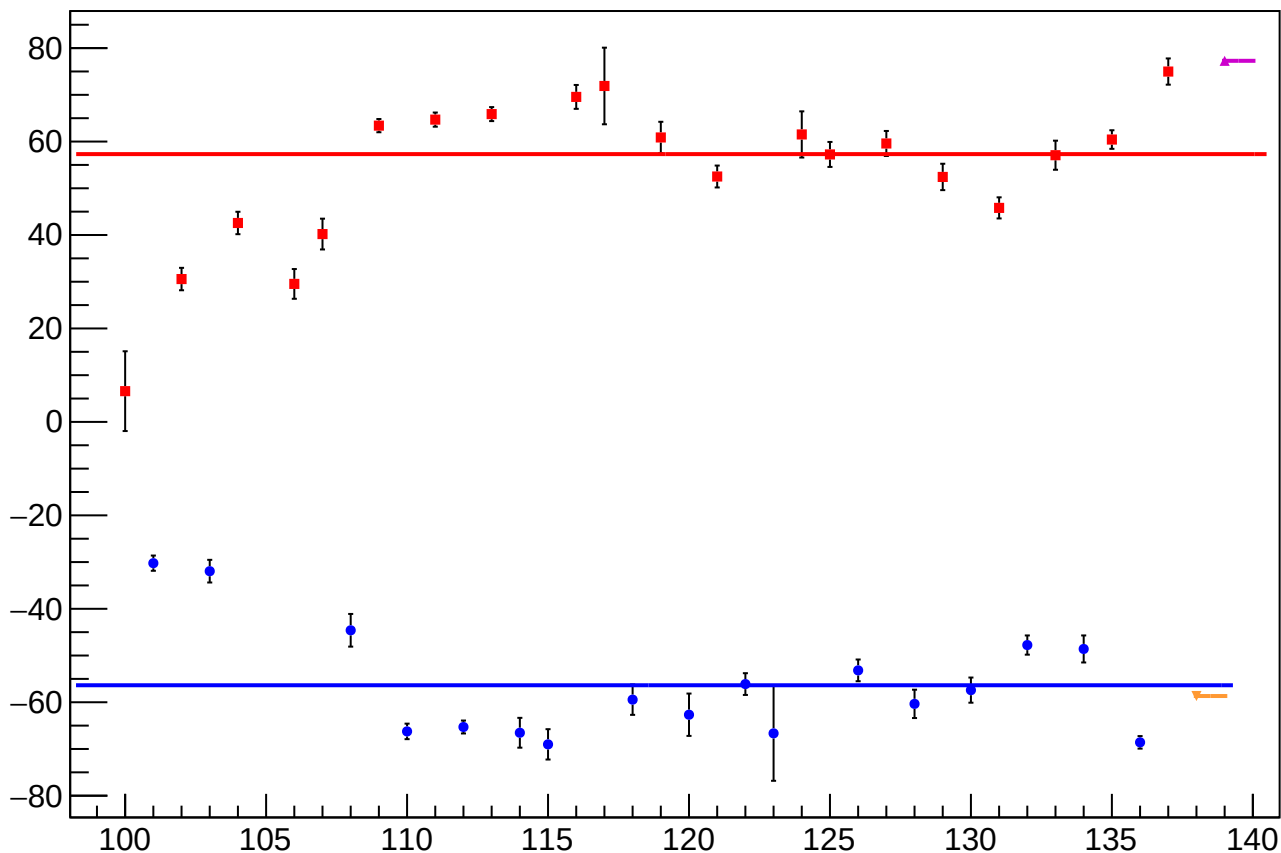
Left In: -11.783 ± 1.538 $\chi^2/\text{NDF}: 0.0/0$

4.770 ± 0.286 $\chi^2/\text{NDF}: 217.4/17$

0.629 ± 0.210 $\chi^2/\text{NDF}: 831.7/38$

-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 χ^2/NDF : 587.2/16

Left Out: -58.668 ± 0.839 χ^2/NDF : 0.0/0

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

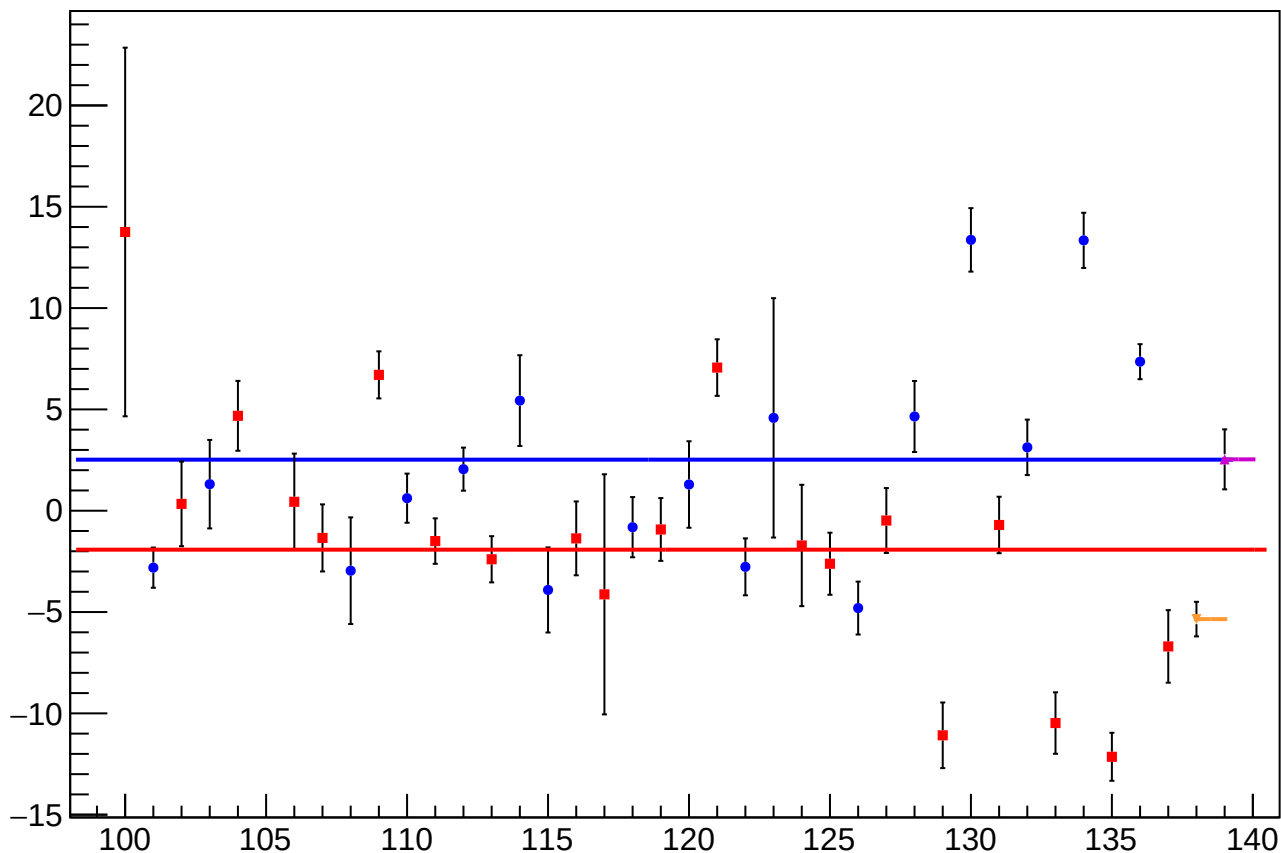
Left In: 77.281 ± 0.923 χ^2/NDF : 0.0/0

-57.042 ± 0.456 χ^2/NDF : 592.5/17

1.771 ± 0.325 χ^2/NDF : 35175.3/38

62.336 ± 0.463 χ^2/NDF : 829.5/20

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 $\pm$ 0.347 χ^2 /NDF: 242.3/16

Left Out: -5.349 $\pm$ 0.853 χ^2 /NDF: 0.0/0

Right Out: -1.922 $\pm$ 0.354 χ^2 /NDF: 264.7/19

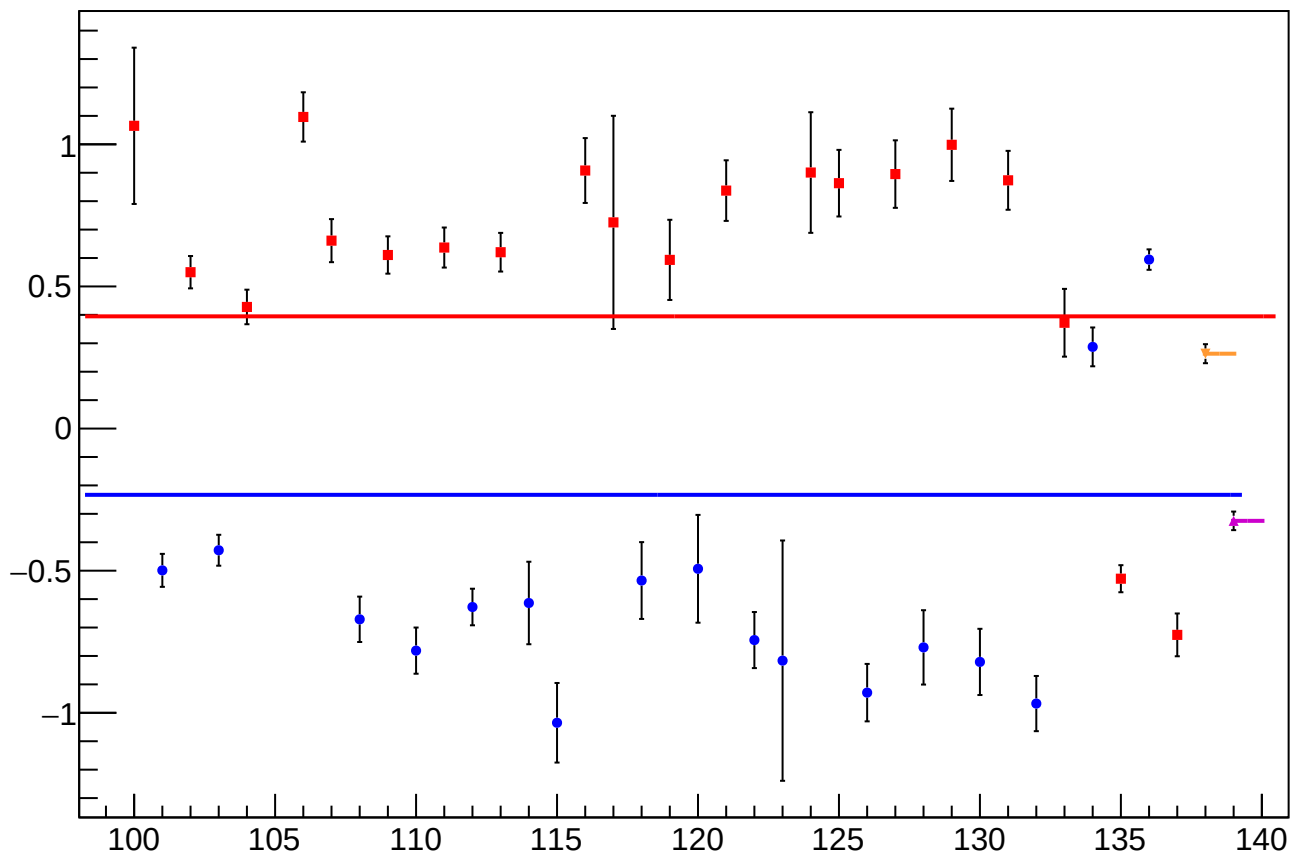
Left In: 2.535 $\pm$ 1.481 χ^2 /NDF: 0.0/0

1.402 $\pm$ 0.322 χ^2 /NDF: 315.4/17

-0.033 $\pm$ 0.235 χ^2 /NDF: 631.4/38

-1.681 $\pm$ 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: 0.263 ± 0.033 χ^2/NDF : 0.0/0

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

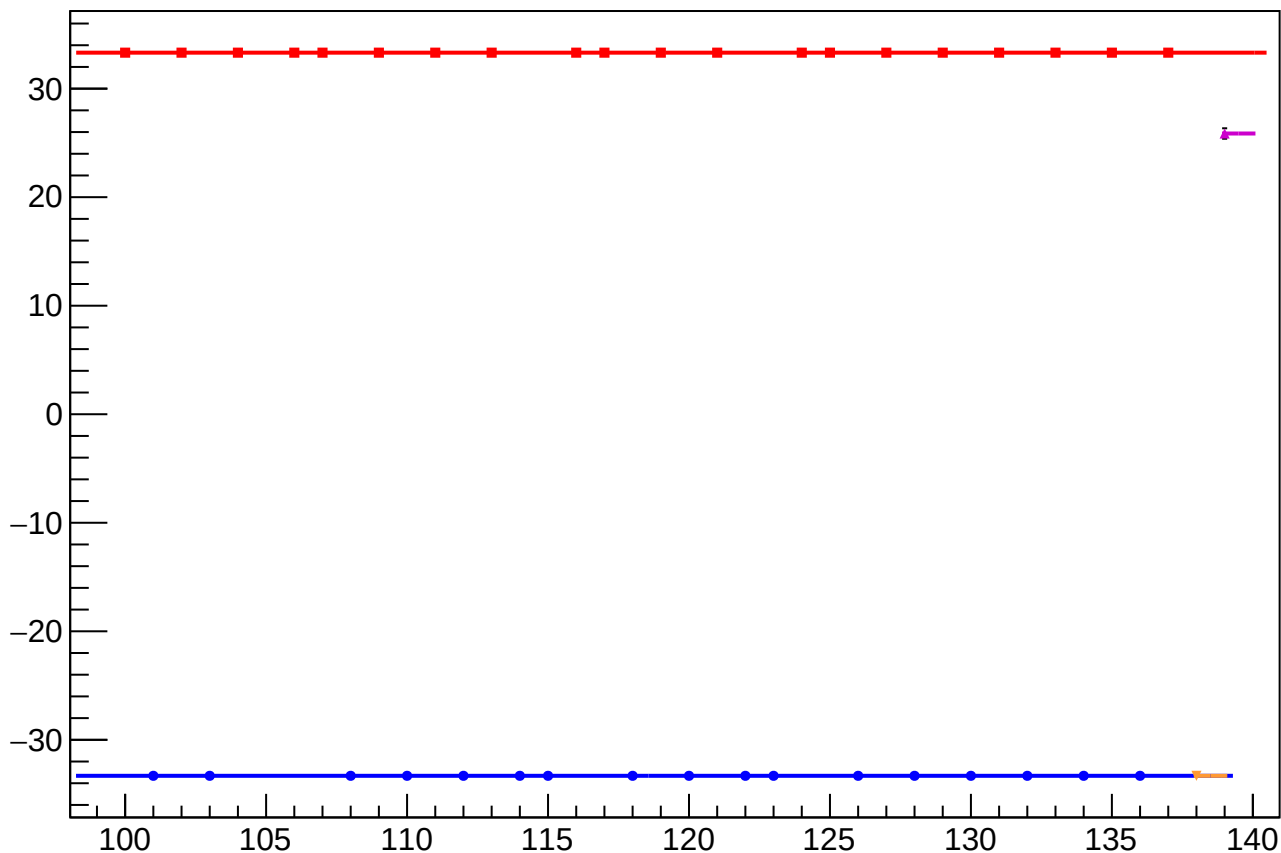
Left In: -0.325 ± 0.033 χ^2/NDF : 0.0/0

-0.113 ± 0.016 χ^2/NDF : 1123.6/17

0.051 ± 0.012 χ^2/NDF : 2529.9/38

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: -33.316 ± 0.460 χ^2/NDF : 0.0/0

Right Out: 33.316 ± 0.103 χ^2/NDF : 0.0/19

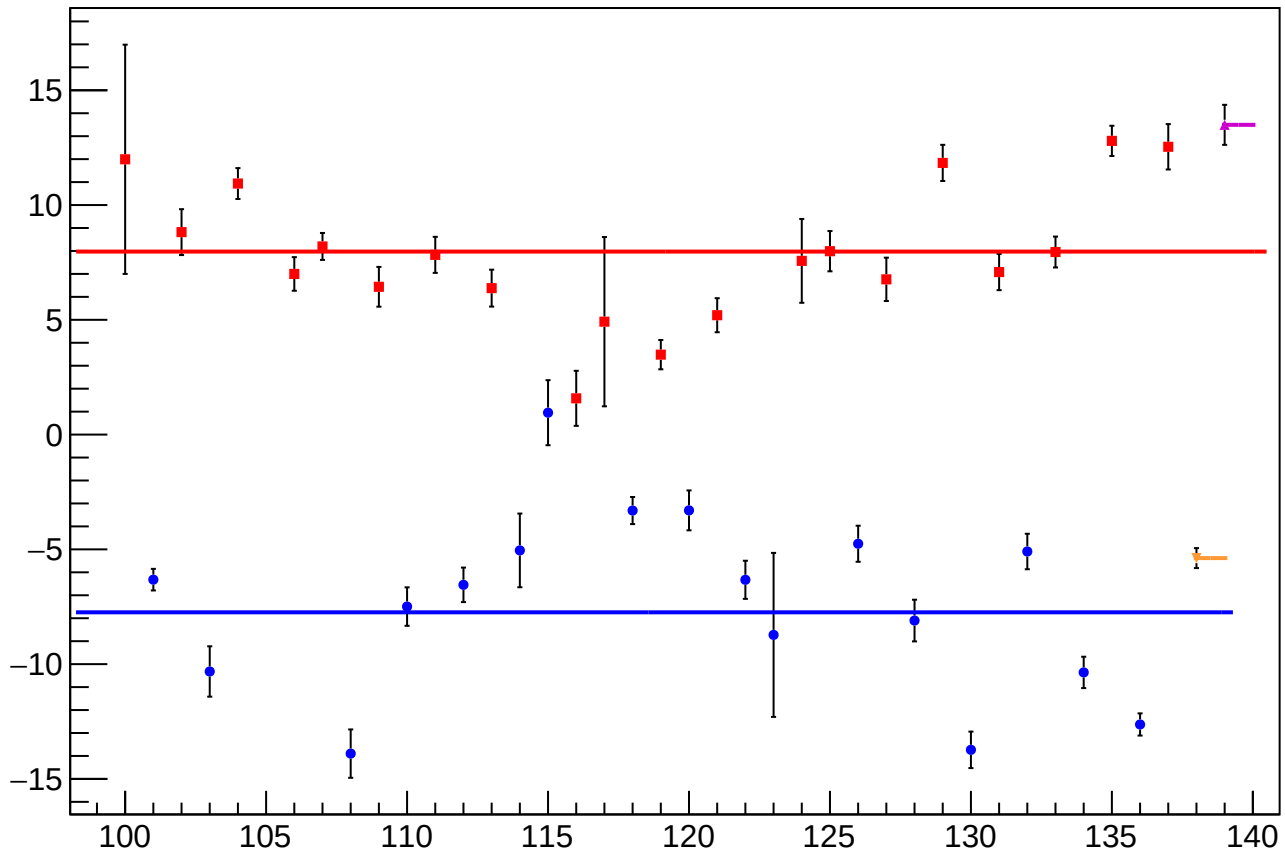
Left In: 25.866 ± 0.481 χ^2/NDF : 0.0/0

-33.316 ± 0.108 χ^2/NDF : 0.0/17

2.320 ± 0.074 χ^2/NDF : 201189.6/38

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: -5.380+/-0.435 χ^2/NDF : 0.0/0

Right Out: 7.973+/-0.186 χ^2/NDF : 224.2/19

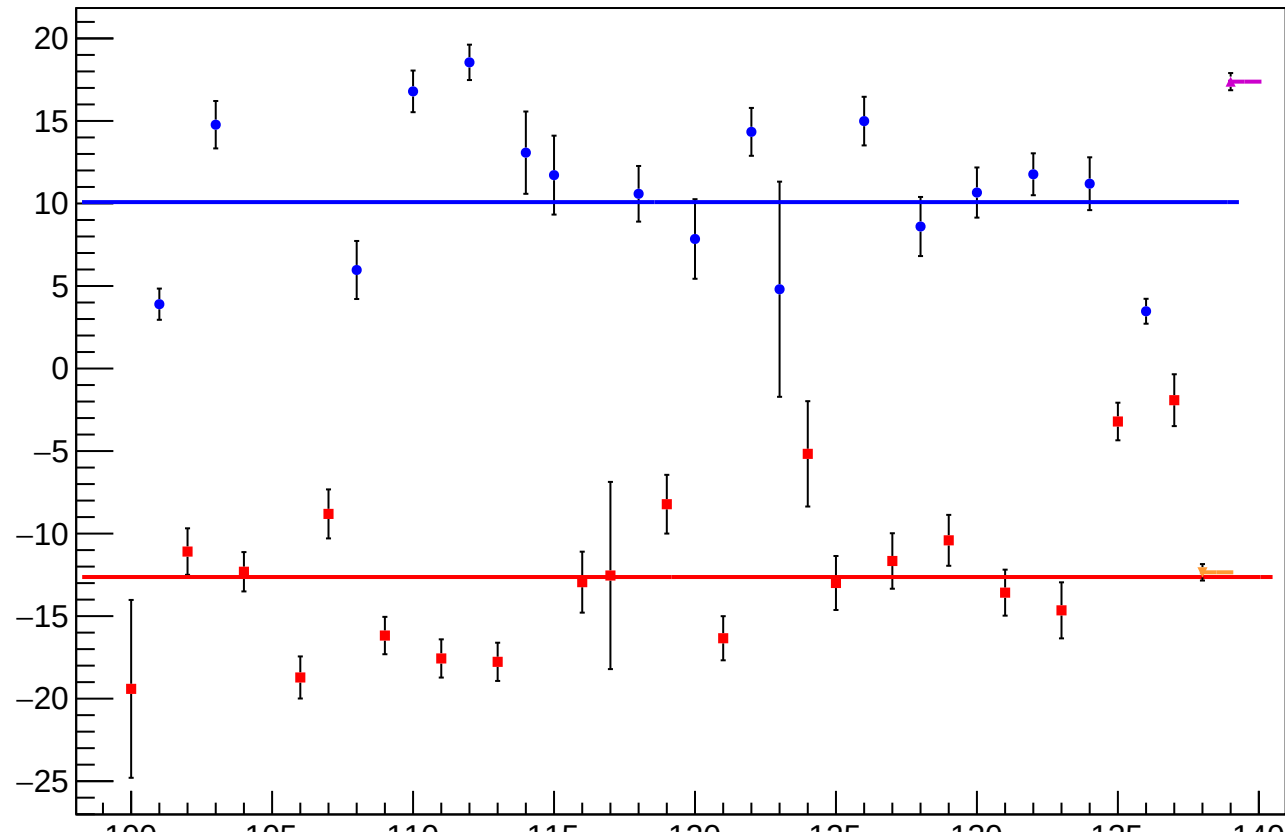
Left In: 13.494+/-0.872 χ^2/NDF : 0.0/0

-7.374+/-0.172 χ^2/NDF : 402.4/17

-0.006+/-0.125 χ^2/NDF : 4552.7/38

8.212+/-0.182 χ^2/NDF : 262.6/20

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



Right In: 10.083+/-0.338 χ^2/NDF : 252.7/16

Left Out: -12.346+/-0.498 χ^2/NDF :0.0/0

Right Out: -12.631 ± 0.332 χ^2/NDF : 218.6/19

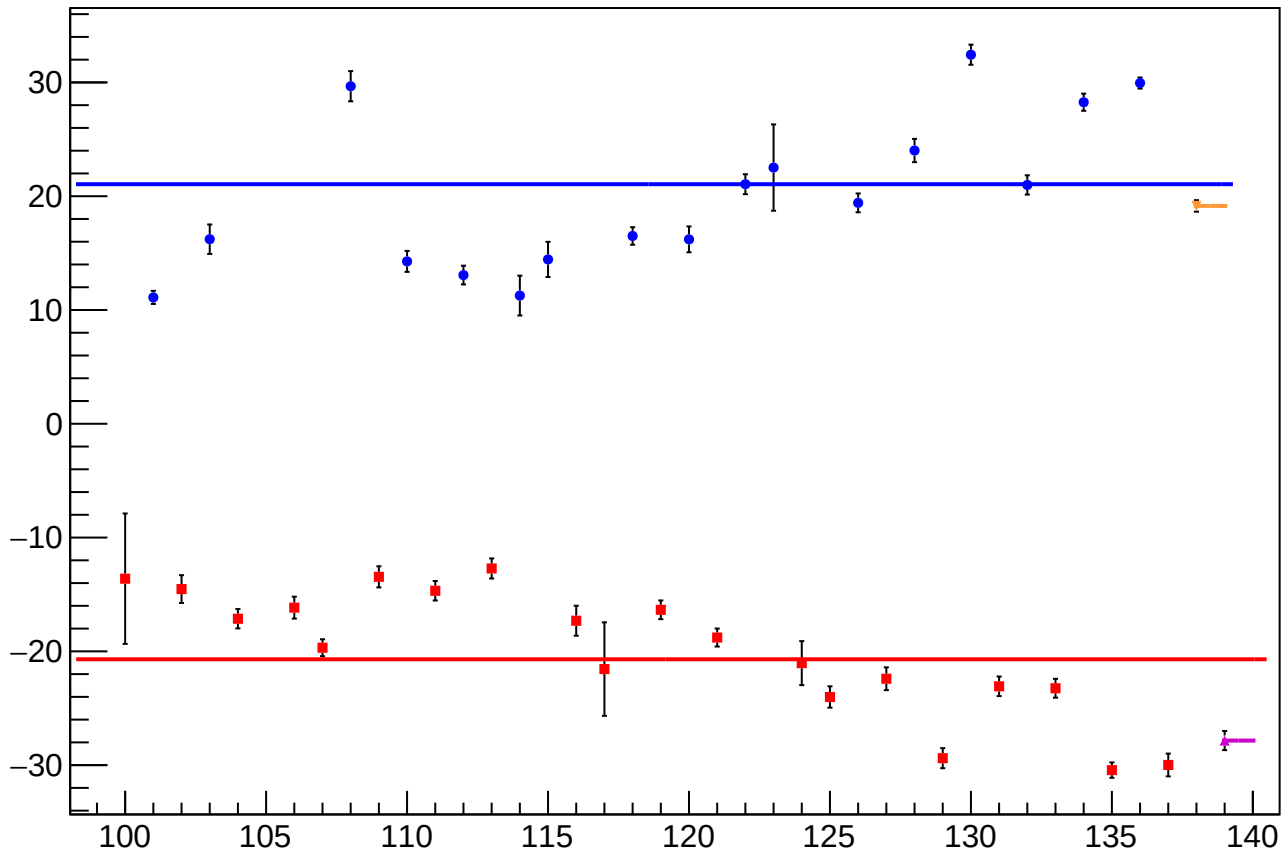
Left In: 17.381+/-0.520 χ^2/NDF :0.0/0

3.020+/-0.280 χ^2 /NDF: 1640.0/17

-0.456+/-0.198 χ^2/NDF : 4533.8/38

-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: 19.147 $\pm$ 0.506 χ^2/NDF : 0.0/0

Right Out: -20.696 $\pm$ 0.212 χ^2/NDF : 724.1/19

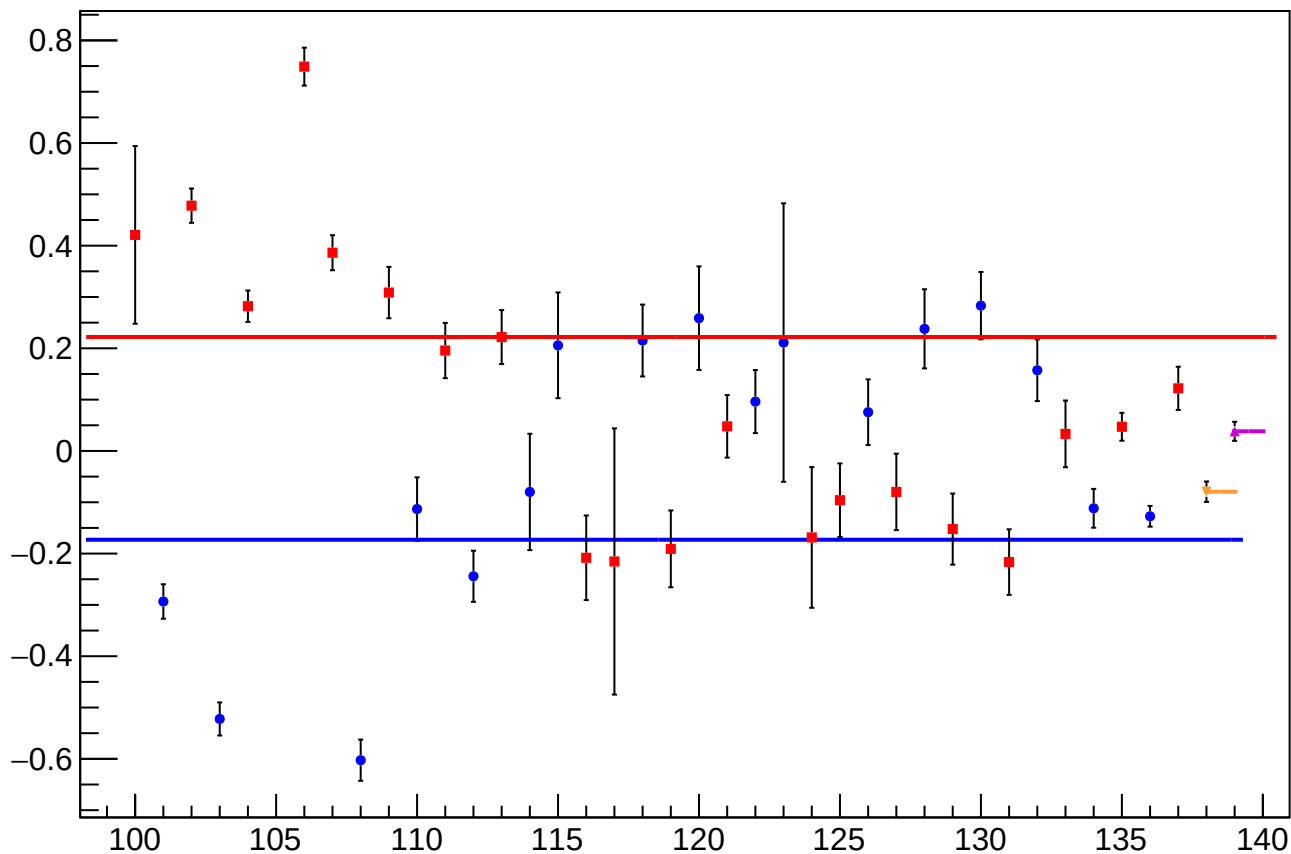
Left In: -27.842 $\pm$ 0.840 χ^2/NDF : 0.0/0

20.772 $\pm$ 0.195 χ^2/NDF : 1223.9/17

1.023 $\pm$ 0.141 χ^2/NDF : 23887.1/38

-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: -0.079 ± 0.020 χ^2/NDF : 0.0/0

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

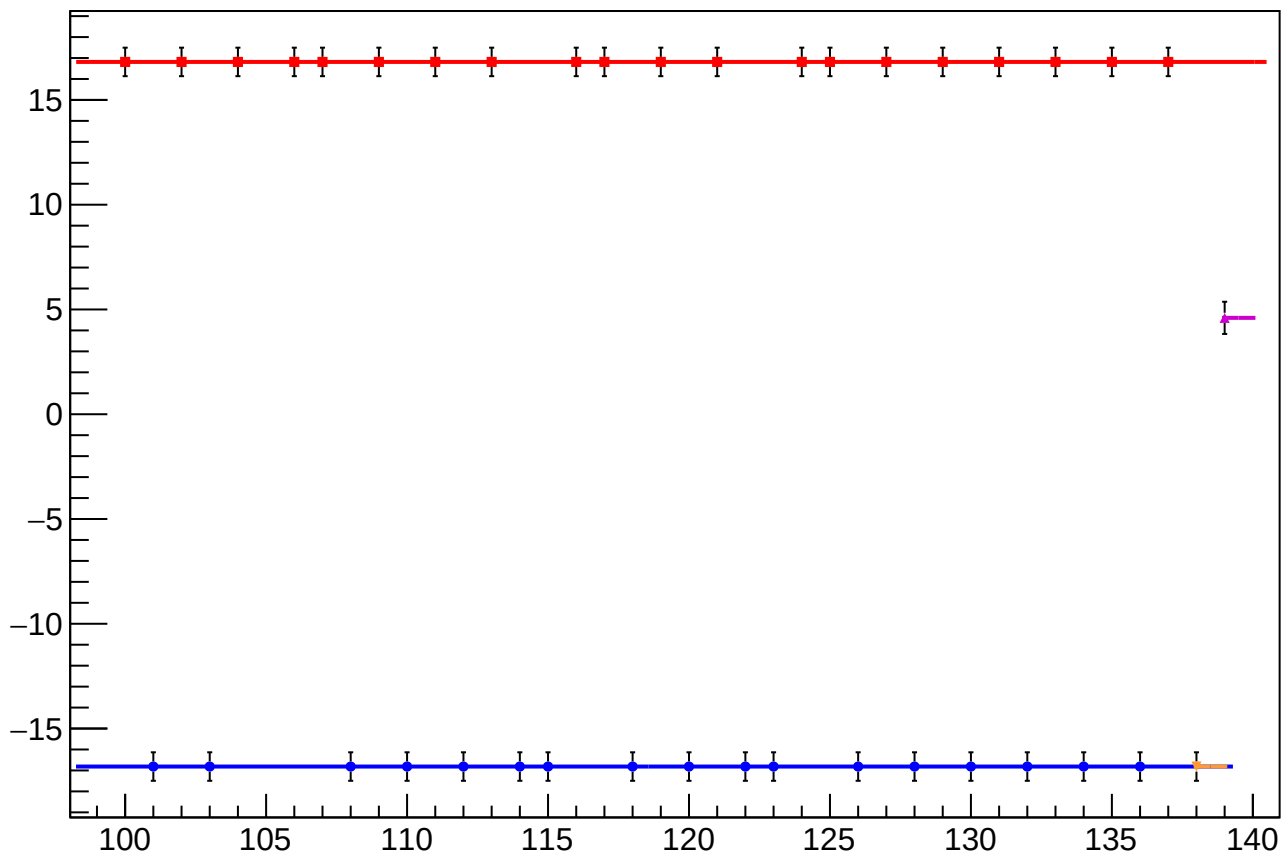
Left In: 0.038 ± 0.019 χ^2/NDF : 0.0/0

-0.150 ± 0.010 χ^2/NDF : 478.7/17

0.018 ± 0.007 χ^2/NDF : 1662.6/38

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: -16.814 $\pm$ 0.680 χ^2 /NDF: 0.0/0

Right Out: 16.814 $\pm$ 0.152 χ^2 /NDF: 0.0/19

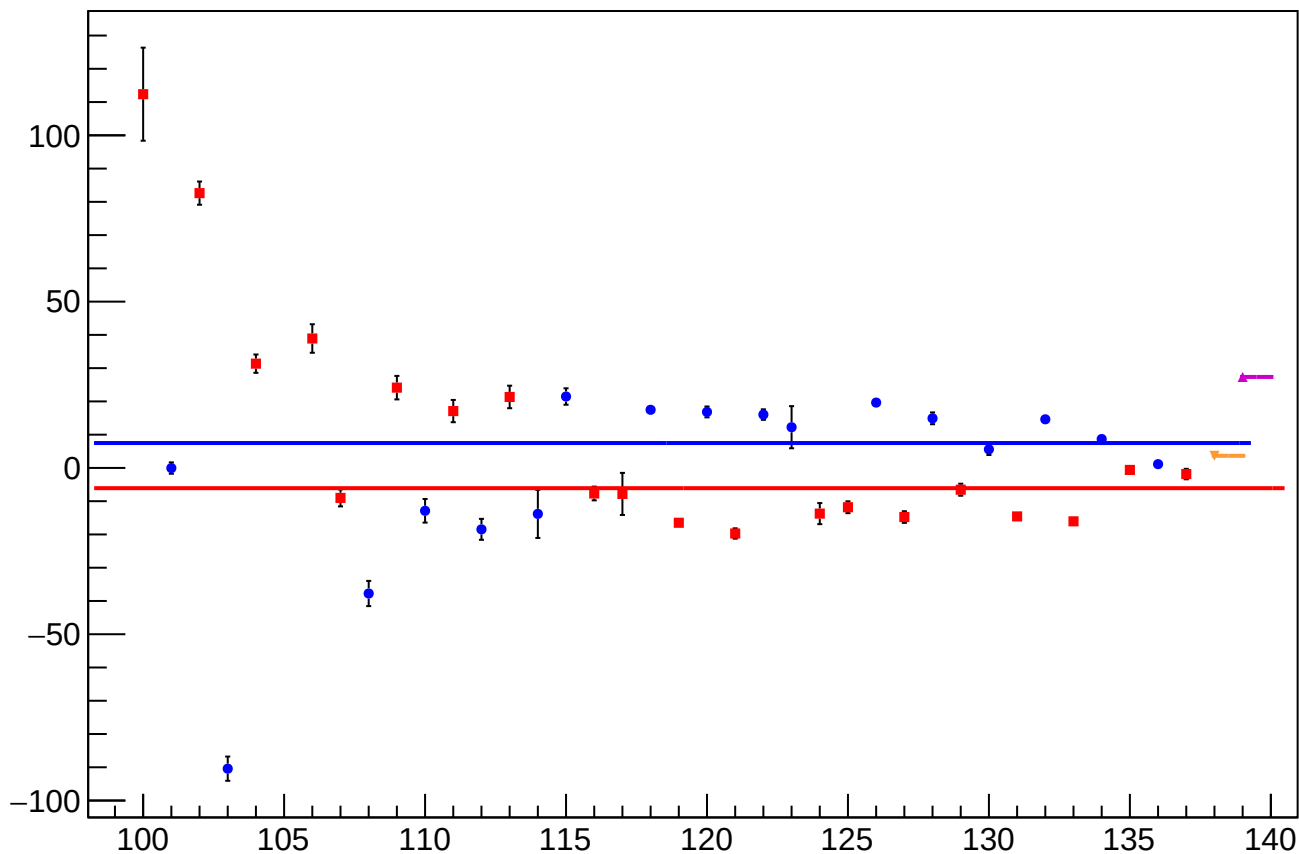
Left In: 4.600 $\pm$ 0.768 χ^2 /NDF: 0.0/0

-16.814 $\pm$ 0.160 χ^2 /NDF: 0.0/17

0.960 $\pm$ 0.109 χ^2 /NDF: 23180.9/38

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: 3.648 ± 0.650 χ^2/NDF : 0.0/0

Right Out: -6.086 ± 0.433 χ^2/NDF : 1512.2/19

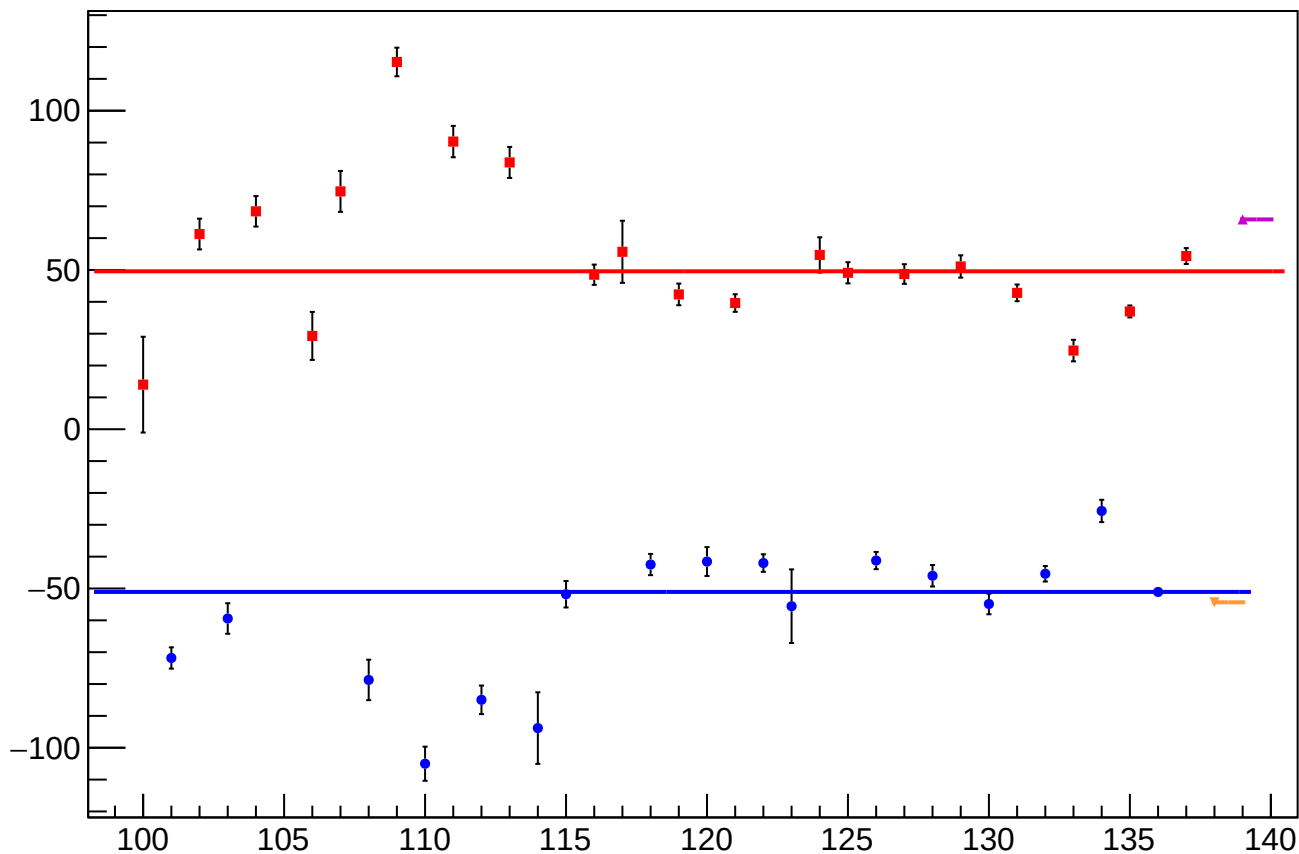
Left In: 27.357 ± 1.382 χ^2/NDF : 0.0/0

6.406 ± 0.345 χ^2/NDF : 1365.6/17

2.511 ± 0.265 χ^2/NDF : 3722.7/38

-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: -54.339 $\pm$ 0.737 χ^2 /NDF: 0.0/0

Right Out: 49.579 $\pm$ 0.796 χ^2 /NDF: 510.0/19

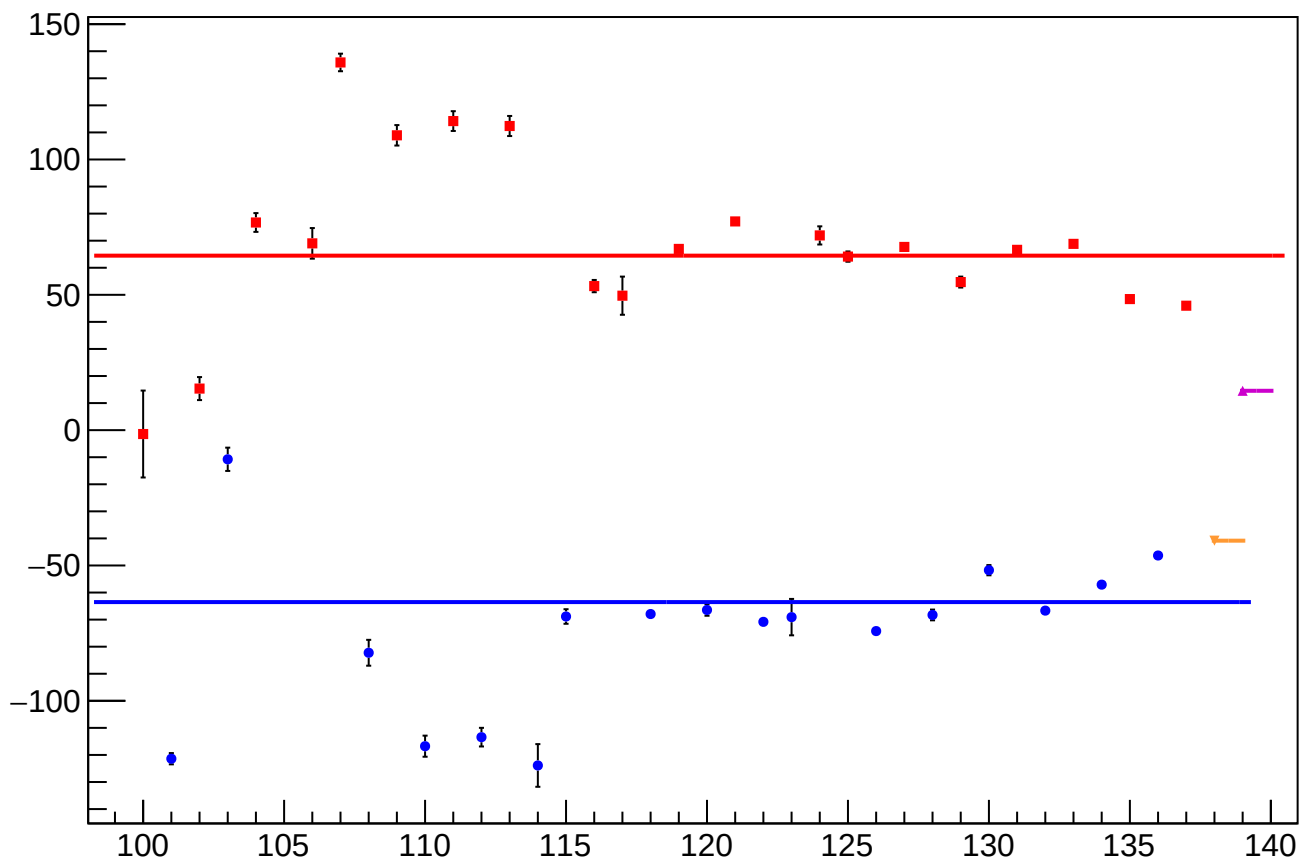
Left In: 65.874 $\pm$ 0.832 χ^2 /NDF: 0.0/0

-52.716 $\pm$ 0.523 χ^2 /NDF: 339.9/17

-2.930 $\pm$ 0.387 χ^2 /NDF: 21120.1/38

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 $\pm$ 0.449 χ^2/NDF : 2010.9/16

Left Out: -40.834 $\pm$ 0.753 χ^2/NDF : 0.0/0

Right Out: 64.470 $\pm$ 0.482 χ^2/NDF : 1607.5/19

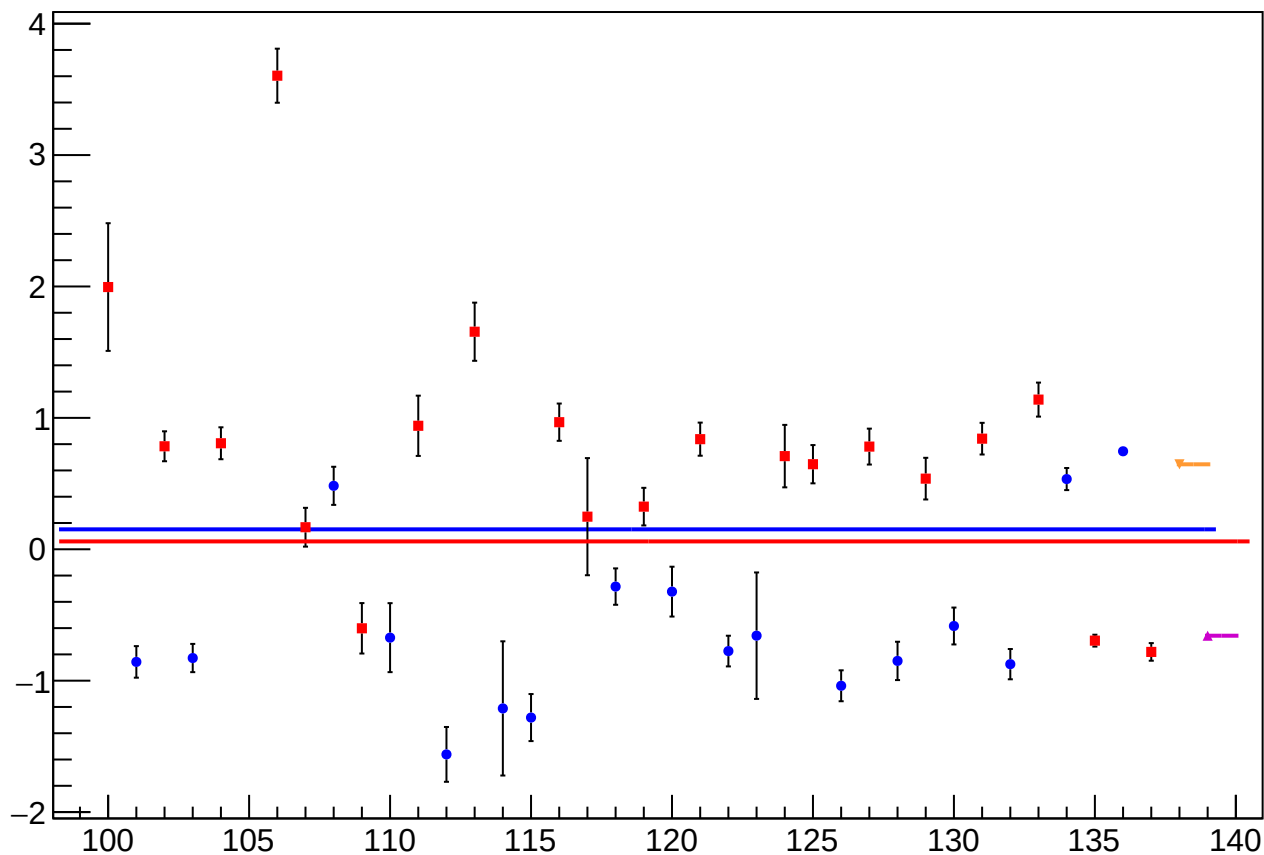
Left In: 14.542 $\pm$ 1.330 χ^2/NDF : 0.0/0

-57.575 $\pm$ 0.385 χ^2/NDF : 2681.6/17

-8.767 $\pm$ 0.294 χ^2/NDF : 43740.1/38

58.677 $\pm$ 0.453 χ^2/NDF : 2853.3/20

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.024 χ^2/NDF : 987.4/16

Left Out: 0.647 $\pm$ 0.029 χ^2/NDF : 0.0/0

Right Out: 0.060 $\pm$ 0.026 χ^2/NDF : 1162.1/19

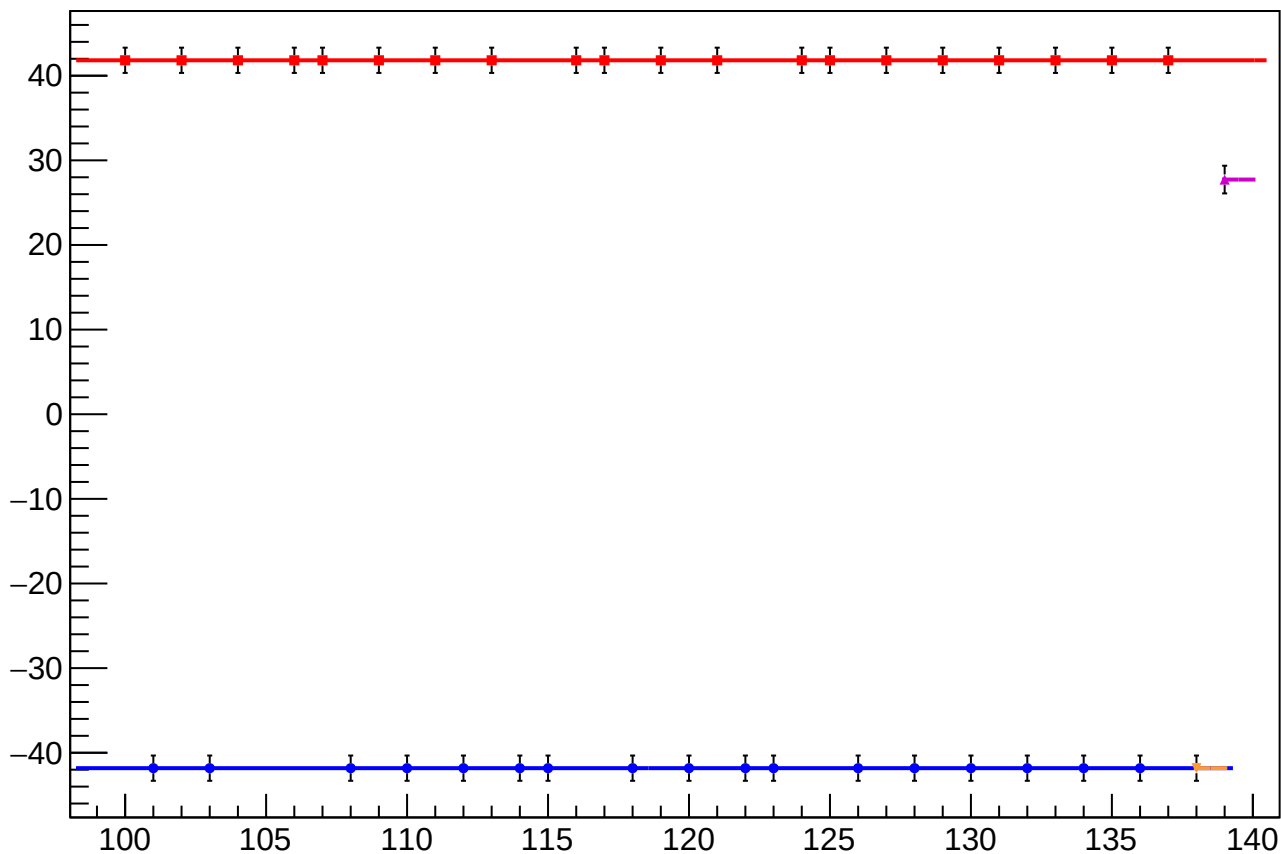
Left In: -0.658 $\pm$ 0.029 χ^2/NDF : 0.0/0

0.350 $\pm$ 0.019 χ^2/NDF : 1157.3/17

0.061 $\pm$ 0.013 χ^2/NDF : 3161.1/38

-0.259 $\pm$ 0.020 χ^2/NDF : 1494.5/20

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -41.821 +/- 0.362 χ^2/NDF : 0.0/16

Left Out: -41.821 +/- 1.492 χ^2/NDF : 0.0/0

Right Out: 41.821 +/- 0.334 χ^2/NDF : 0.0/19

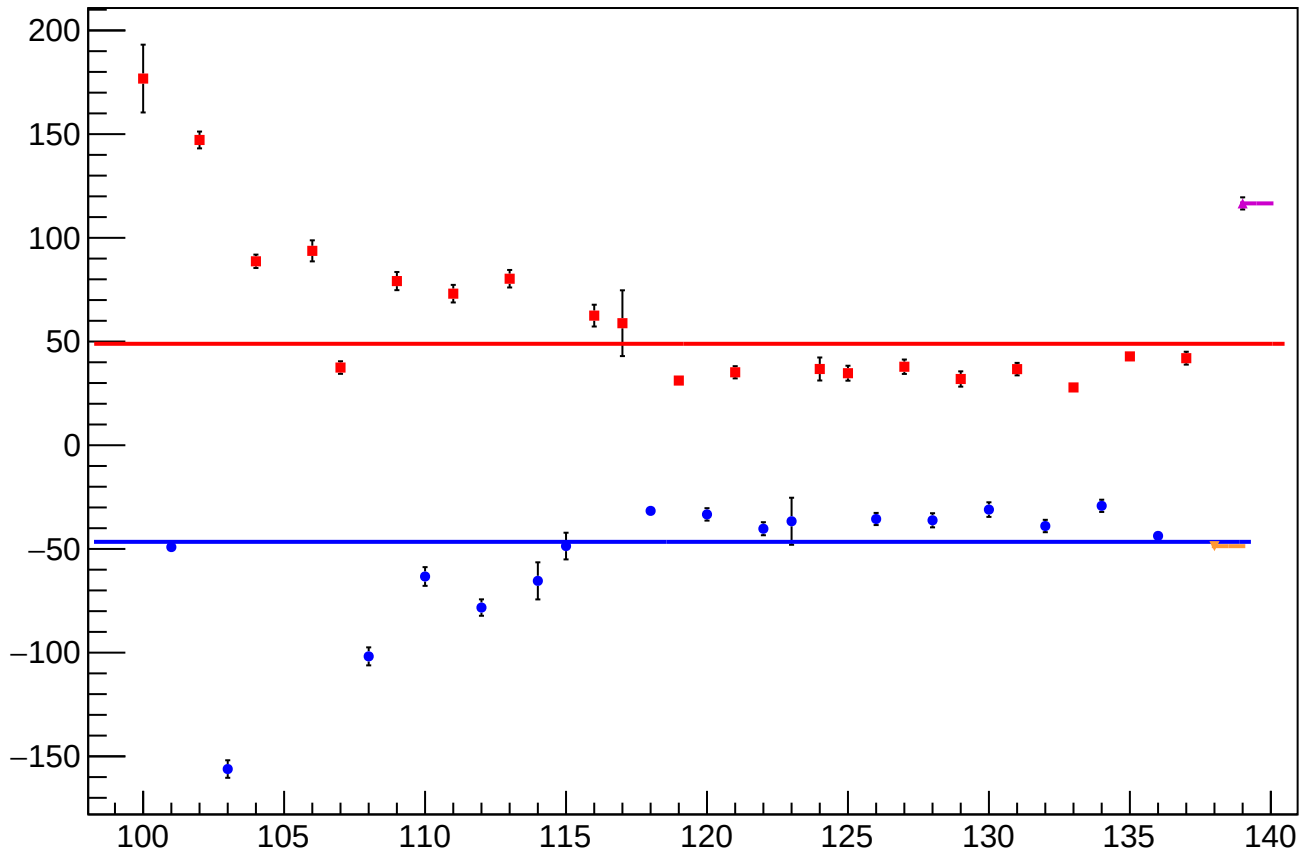
Left In: 27.729 +/- 1.636 χ^2/NDF : 0.0/0

-41.821 +/- 0.352 χ^2/NDF : 0.0/17

2.748 +/- 0.239 χ^2/NDF : 29999.7/38

41.258 +/- 0.327 χ^2/NDF : 71.3/20

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -48.663 ± 1.485 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 48.911 ± 0.763 $\chi^2/\text{NDF}: 1277.9/19$

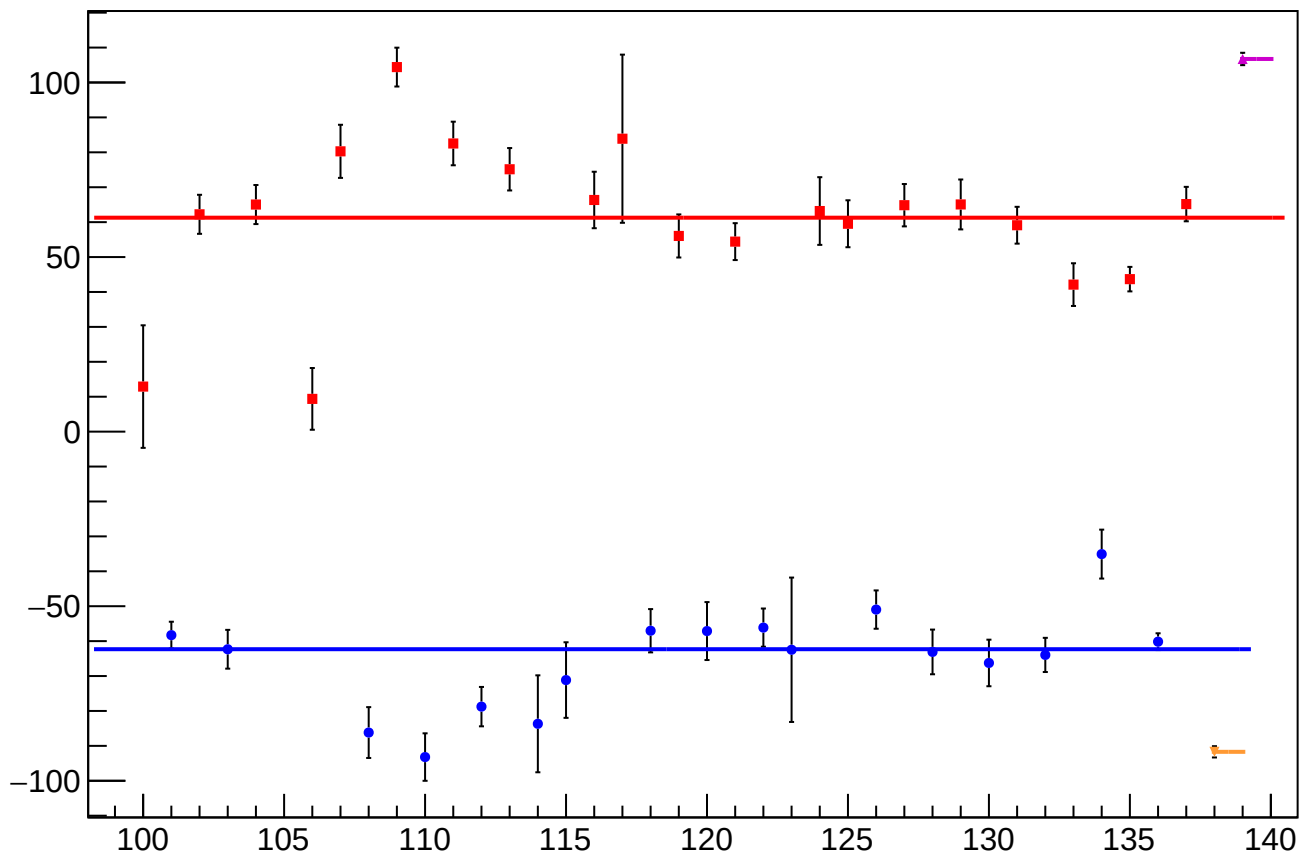
Left In: 116.607 ± 2.930 $\chi^2/\text{NDF}: 0.0/0$

-46.984 ± 0.655 $\chi^2/\text{NDF}: 1078.0/17$

-2.845 ± 0.490 $\chi^2/\text{NDF}: 13165.9/38$

53.205 ± 0.738 $\chi^2/\text{NDF}: 1777.7/20$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -91.708 ± 1.618 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 61.277 ± 1.379 $\chi^2/\text{NDF}: 165.9/19$

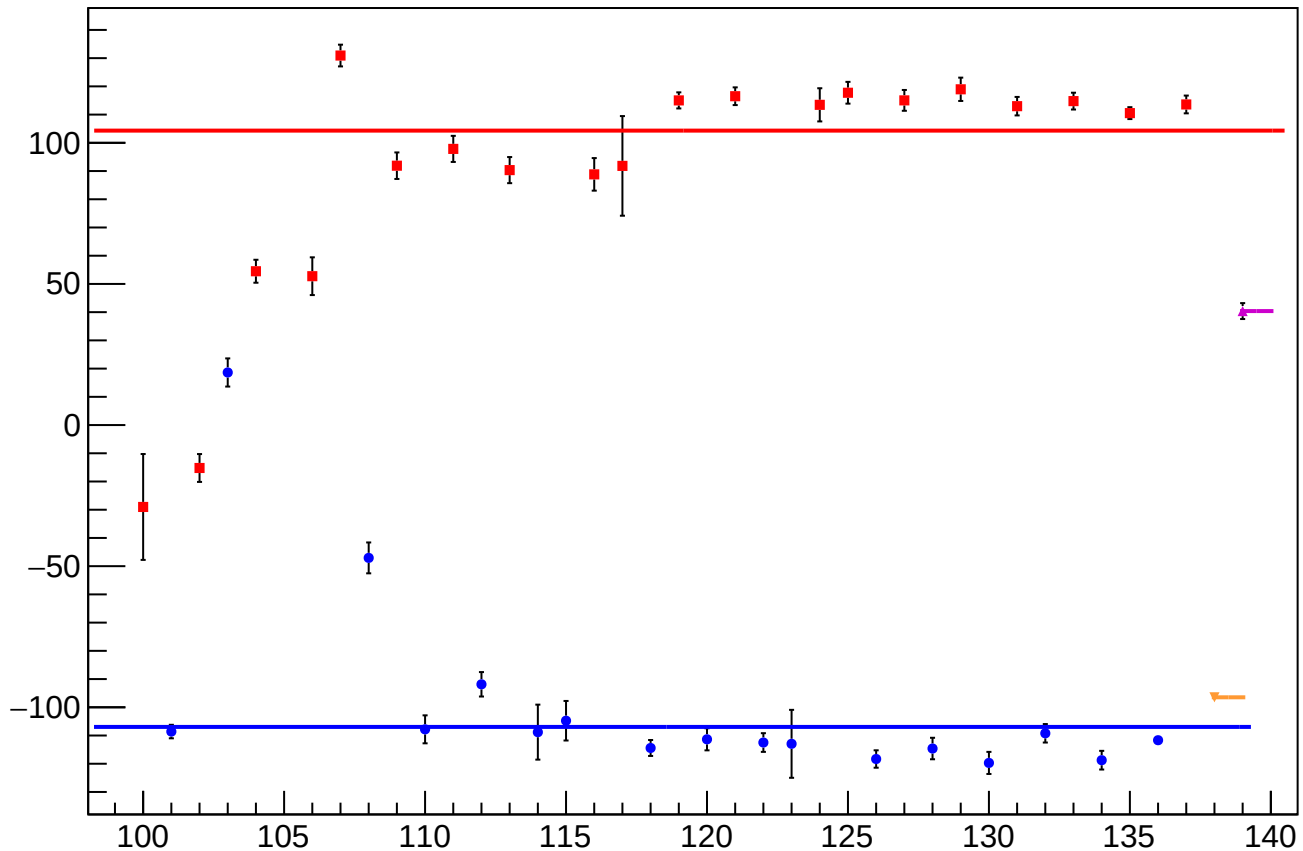
Left In: 106.738 ± 1.773 $\chi^2/\text{NDF}: 0.0/0$

-74.013 ± 1.021 $\chi^2/\text{NDF}: 265.8/17$

-2.675 ± 0.744 $\chi^2/\text{NDF}: 11278.0/38$

78.414 ± 1.088 $\chi^2/\text{NDF}: 575.7/20$

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: -96.464 ± 1.703 χ^2/NDF : 0.0/0

Right Out: 104.326 ± 0.860 χ^2/NDF : 1021.5/19

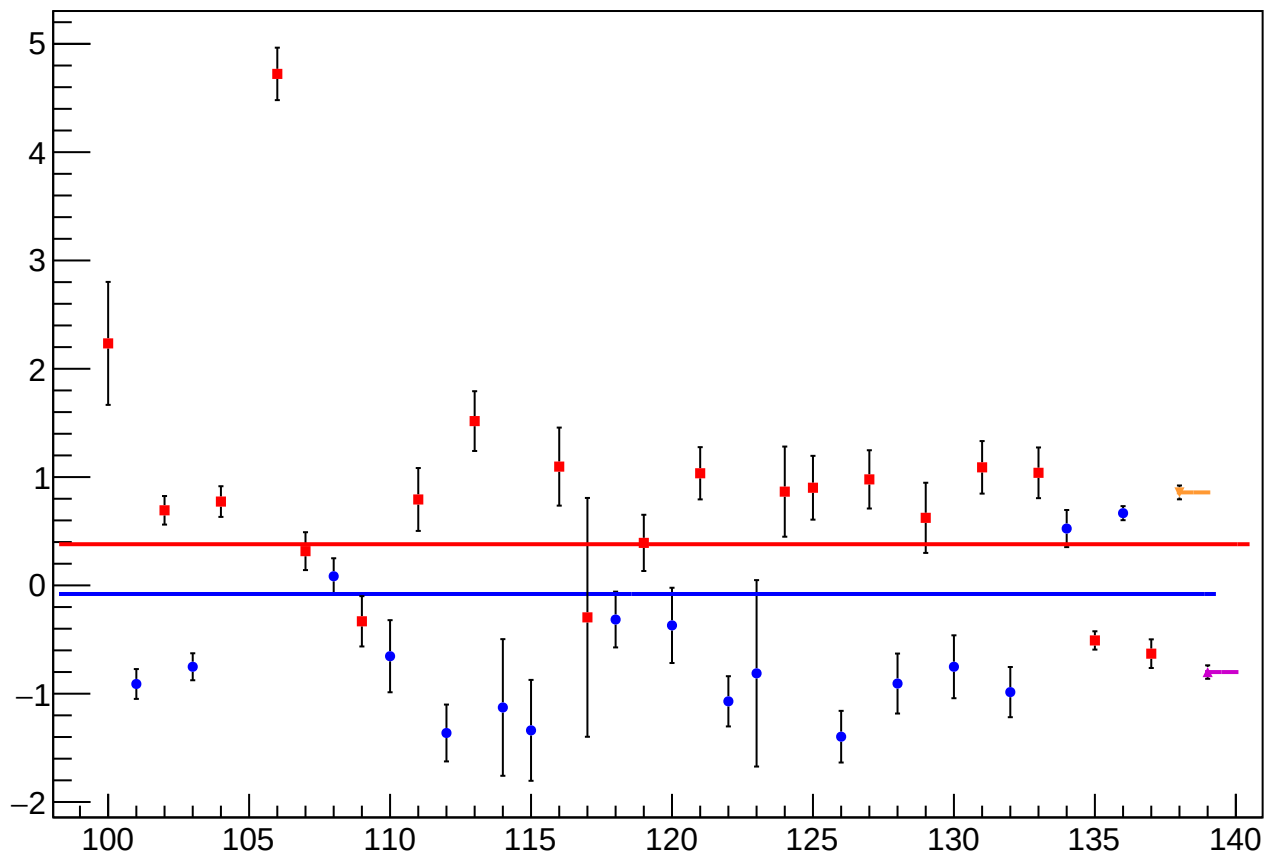
Left In: 40.385 ± 2.820 χ^2/NDF : 0.0/0

-104.990 ± 0.737 χ^2/NDF : 858.1/17

-14.280 ± 0.549 χ^2/NDF : 36421.6/38

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: 0.858 ± 0.064 χ^2/NDF : 0.0/0

Right Out: 0.380 ± 0.044 χ^2/NDF : 580.9/19

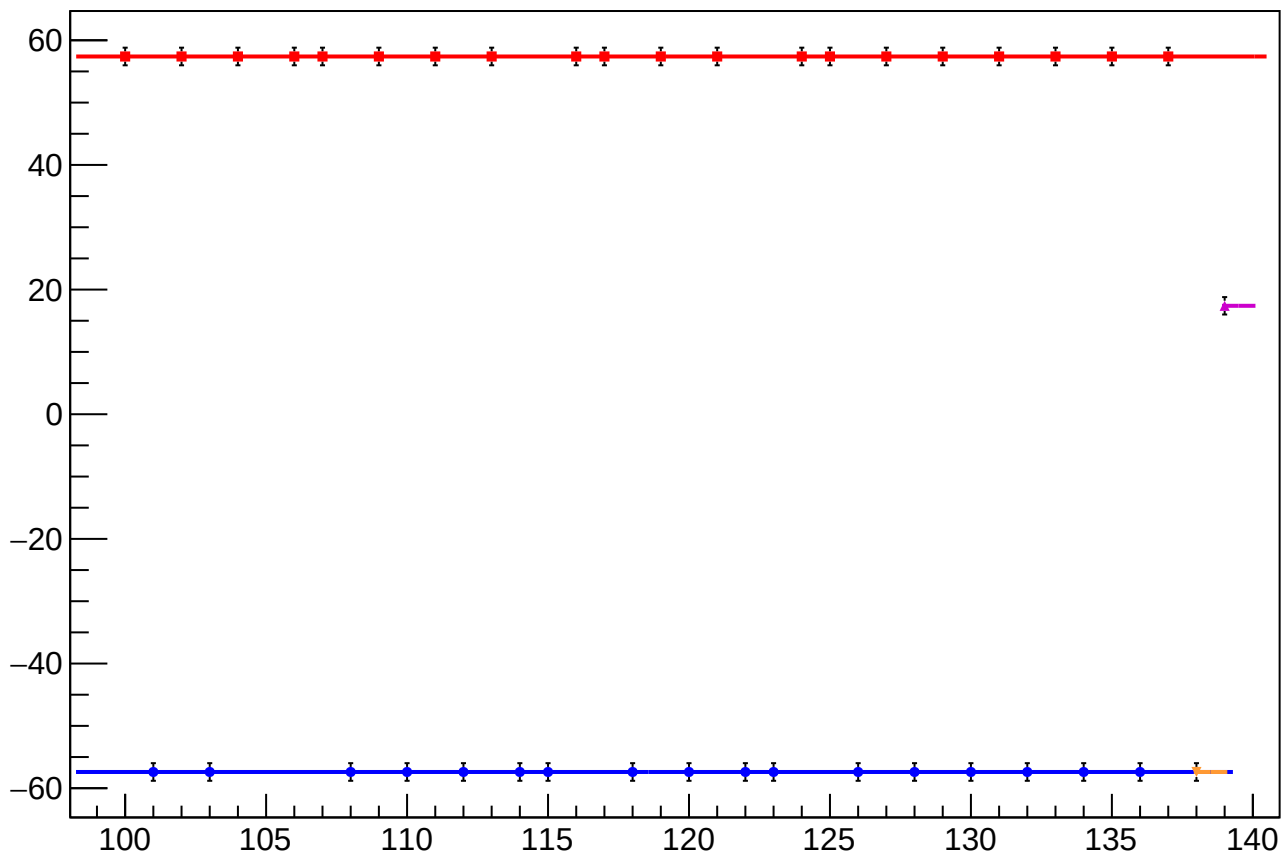
Left In: -0.800 ± 0.062 χ^2/NDF : 0.0/0

0.206 ± 0.035 χ^2/NDF : 478.3/17

0.098 ± 0.025 χ^2/NDF : 1318.2/38

-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 $\pm$ 0.343 χ^2 /NDF: 0.0/16

Left Out: -57.398 $\pm$ 1.415 χ^2 /NDF: 0.0/0

Right Out: 57.398 $\pm$ 0.316 χ^2 /NDF: 0.0/19

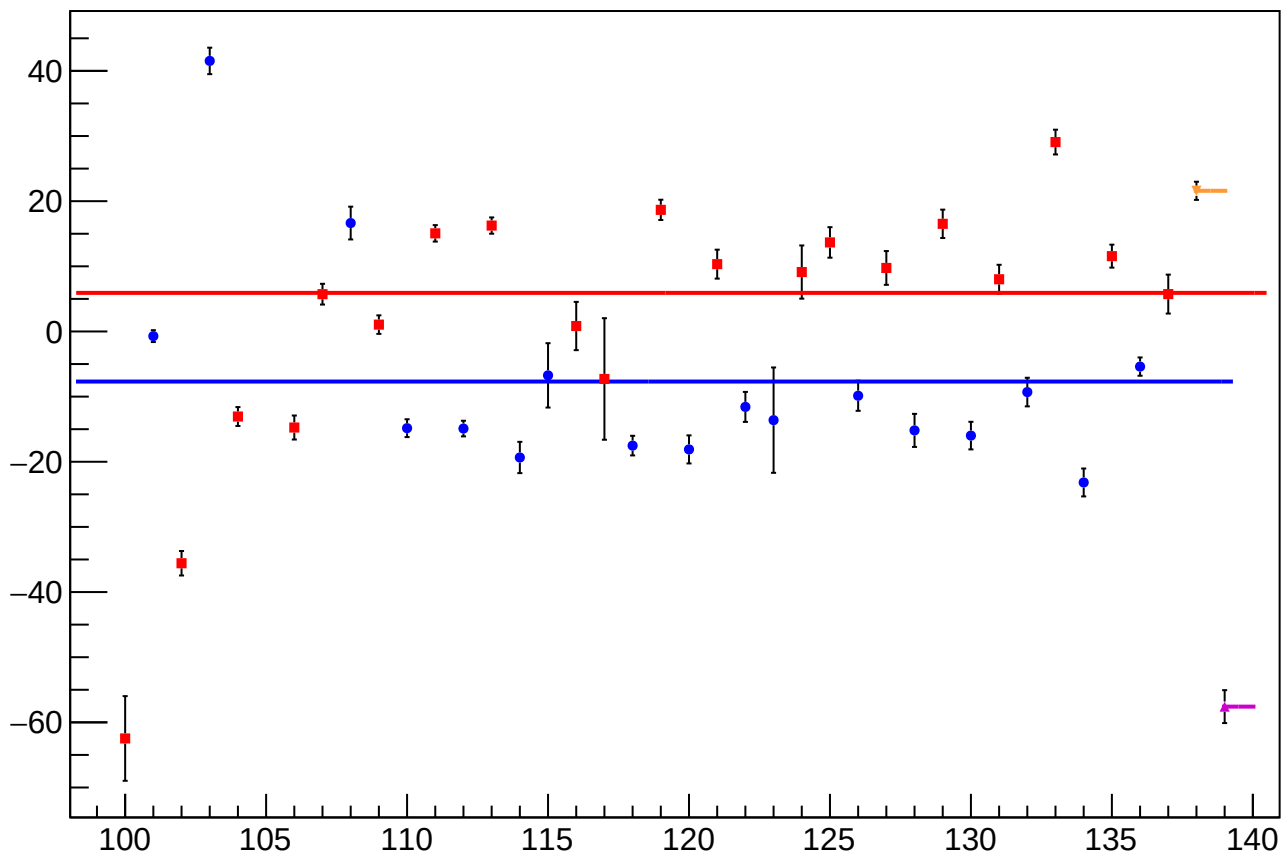
Left In: 17.397 $\pm$ 1.397 χ^2 /NDF: 0.0/0

-57.398 $\pm$ 0.333 χ^2 /NDF: 0.0/17

3.399 $\pm$ 0.226 χ^2 /NDF: 62480.2/38

55.446 $\pm$ 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 χ^2/NDF : 975.9/16

Left Out: 21.593+/-1.394 χ^2/NDF : 0.0/0

Right Out: 5.925+/-0.428 χ^2/NDF : 1300.1/19

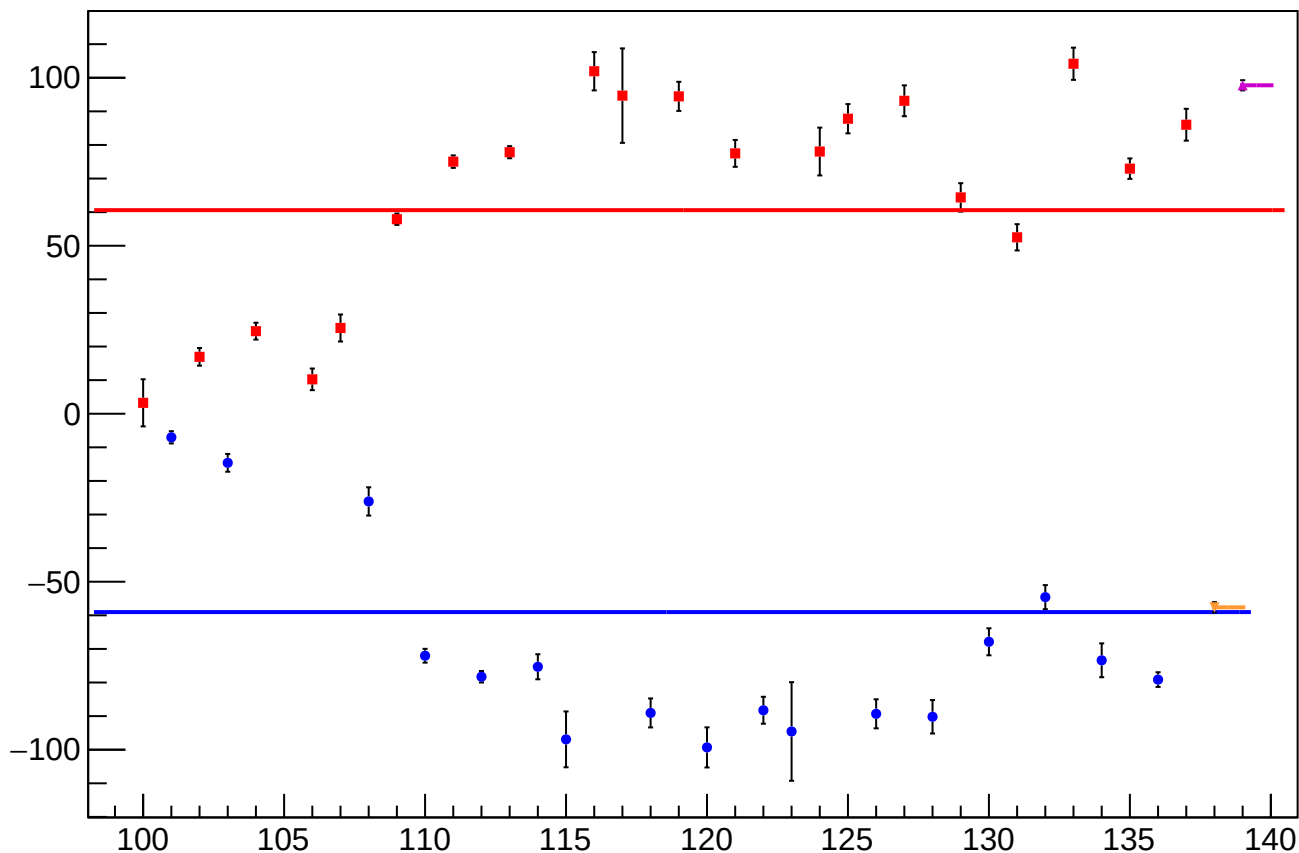
Left In: -57.586+/-2.527 χ^2/NDF : 0.0/0

-5.143+/-0.411 χ^2/NDF : 1378.8/17

-0.625+/-0.295 χ^2/NDF : 3541.6/38

4.150+/-0.422 χ^2/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: -57.620 +/- 1.533 χ^2/NDF : 0.0/0

Right Out: 60.593 +/- 0.704 χ^2/NDF : 1390.7/19

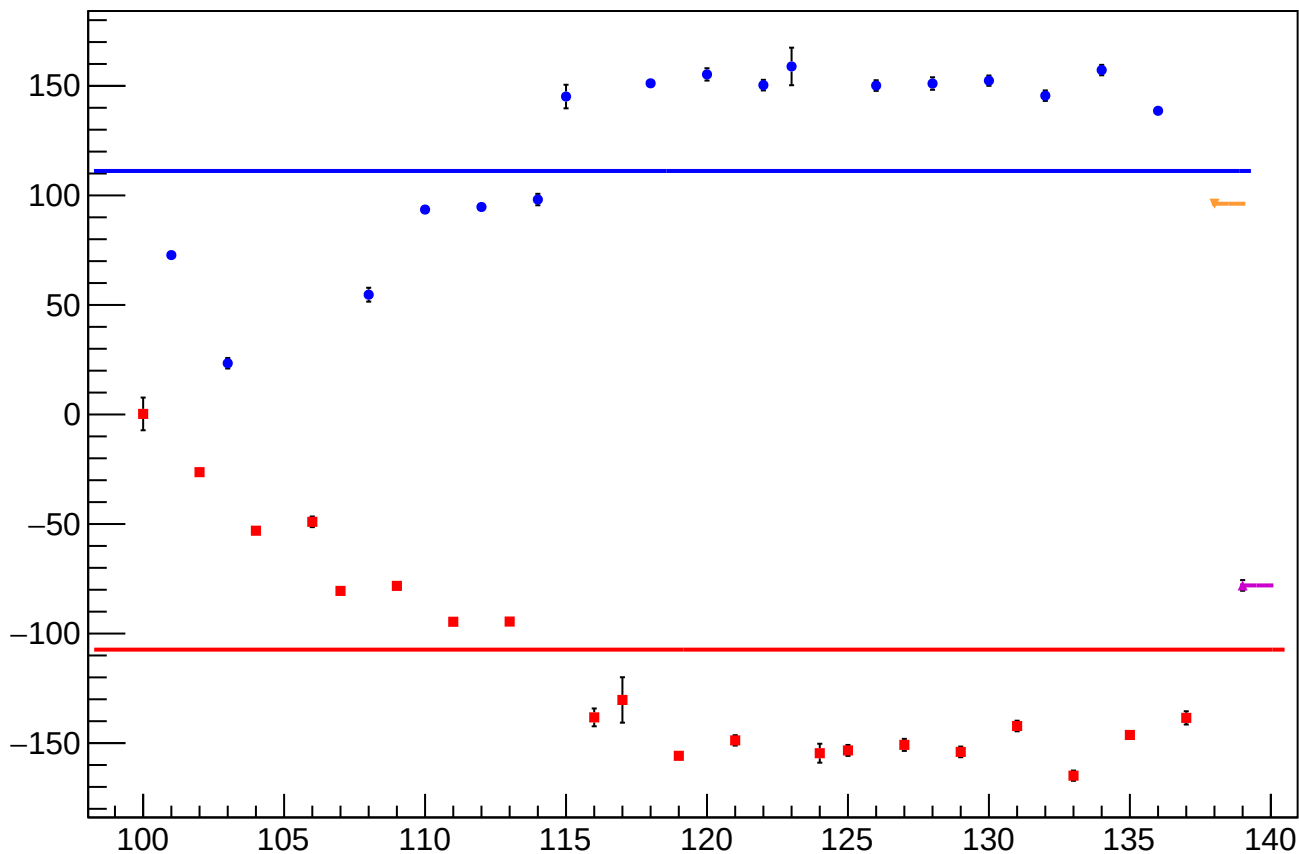
Left In: 97.757 +/- 1.511 χ^2/NDF : 0.0/0

-58.767 +/- 0.671 χ^2/NDF : 1710.2/17

7.378 +/- 0.462 χ^2/NDF : 22129.5/38

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: 96.209 $\pm$ 1.603 χ^2 /NDF: 0.0/0

Right Out: -107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

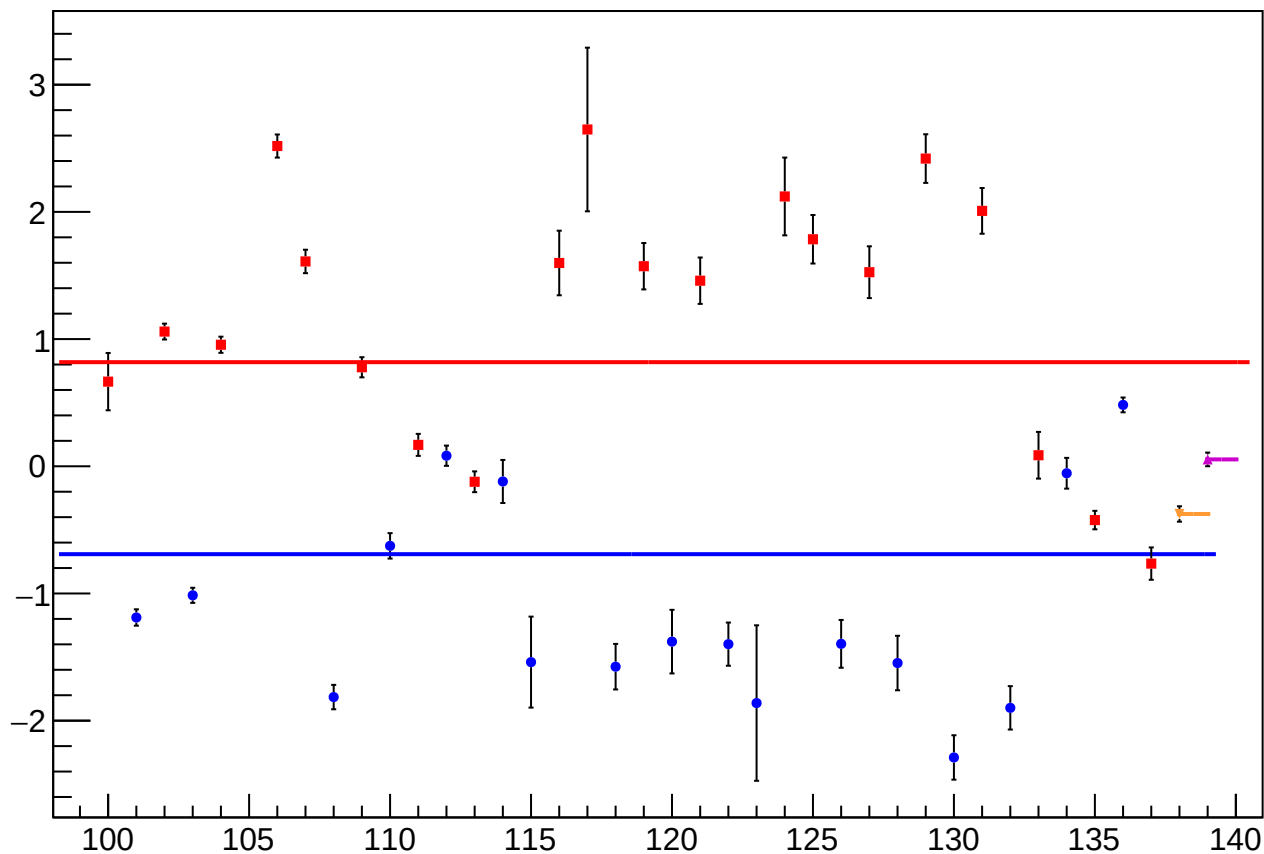
Left In: -78.023 $\pm$ 2.433 χ^2 /NDF: 0.0/0

109.887 $\pm$ 0.468 χ^2 /NDF: 5957.2/17

4.124 $\pm$ 0.334 χ^2 /NDF: 117642.7/38

-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 χ^2 /NDF: 990.9/16

Left Out: -0.375+/-0.061 χ^2 /NDF:0.0/0

Right Out: 0.819+/-0.024 χ^2 /NDF: 1312.5/19

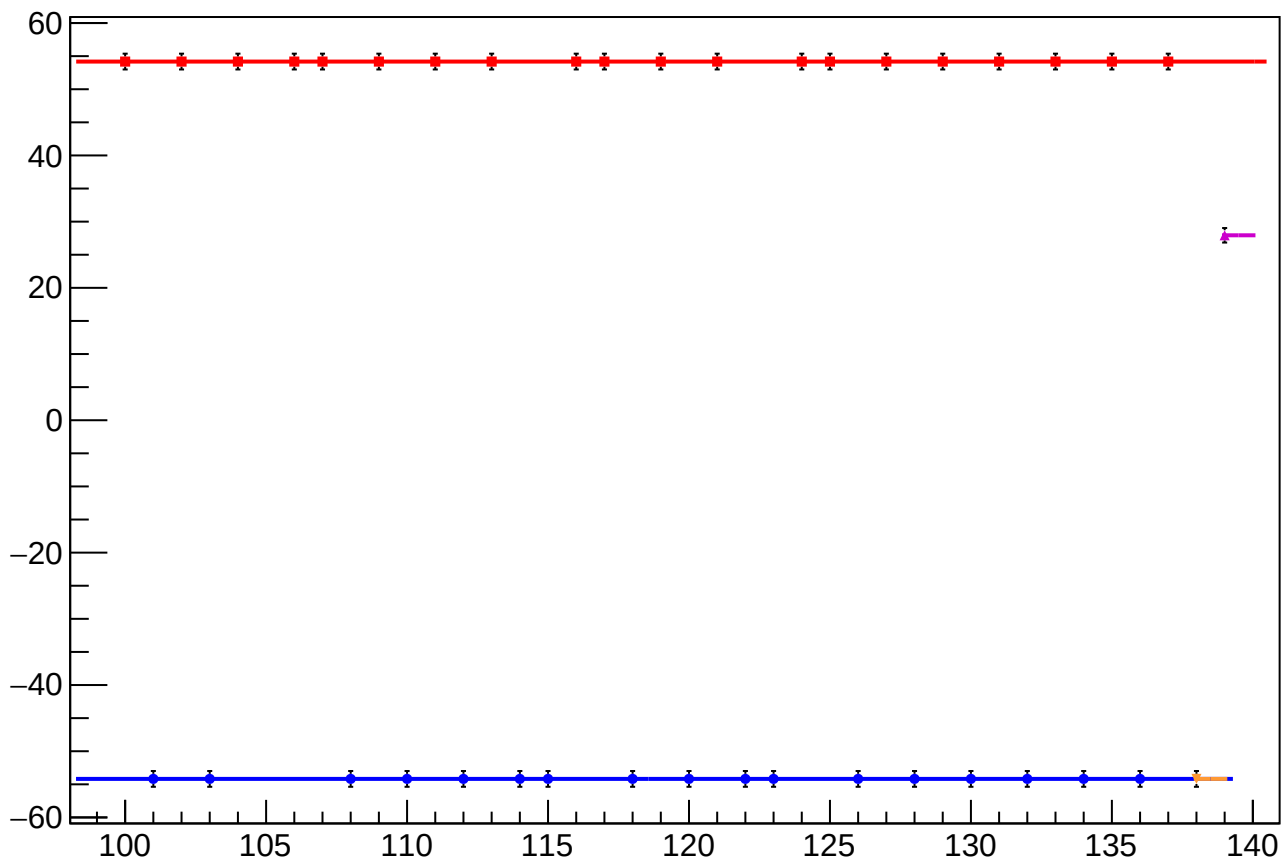
Left In: 0.054+/-0.054 χ^2 /NDF:0.0/0

-0.642+/-0.024 χ^2 /NDF: 1013.9/17

0.069+/-0.016 χ^2 /NDF: 4171.3/38

0.688+/-0.022 χ^2 /NDF: 1480.6/20

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -54.179 ± 0.289 χ^2/NDF : 0.0/16

Left Out: -54.179 ± 1.194 χ^2/NDF : 0.0/0

Right Out: 54.179 ± 0.267 χ^2/NDF : 0.0/19

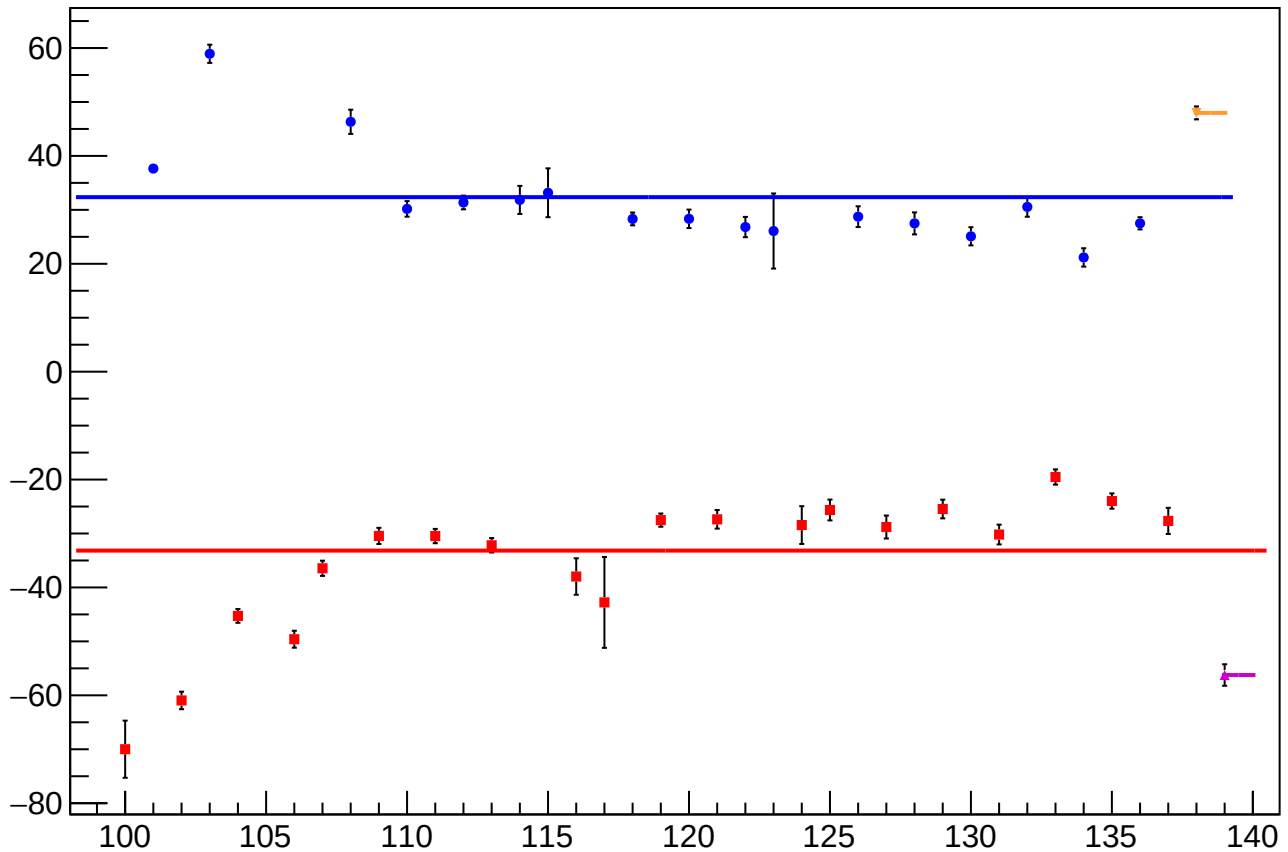
Left In: 27.937 ± 1.098 χ^2/NDF : 0.0/0

-54.179 ± 0.281 χ^2/NDF : 0.0/17

3.608 ± 0.191 χ^2/NDF : 78589.7/38

52.715 ± 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: 47.974 $\pm$ 1.204 χ^2 /NDF: 0.0/0

Right Out: -33.172 $\pm$ 0.378 χ^2 /NDF: 773.3/19

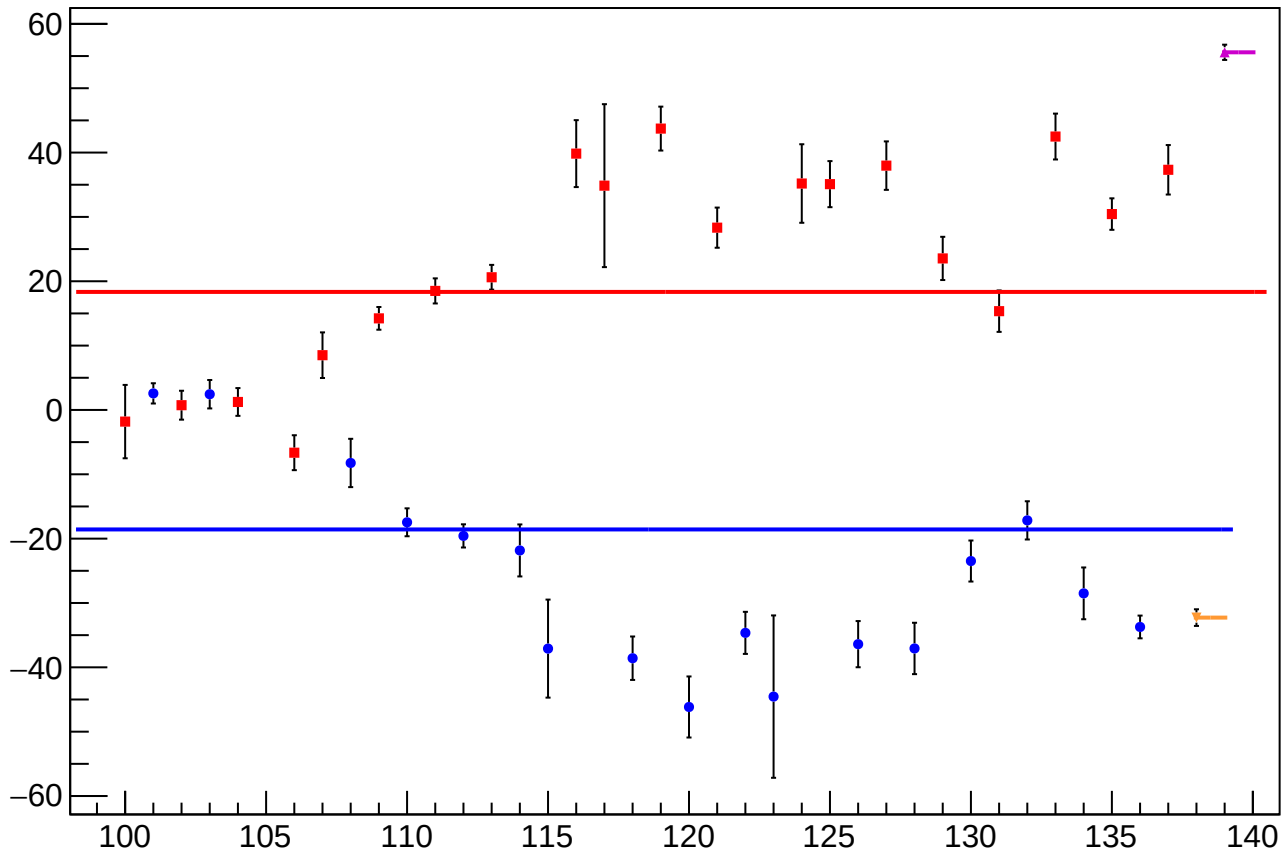
Left In: -56.235 $\pm$ 1.994 χ^2 /NDF: 0.0/0

33.738 $\pm$ 0.358 χ^2 /NDF: 603.8/17

1.124 $\pm$ 0.258 χ^2 /NDF: 18695.1/38

-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: -32.273 ± 1.294 χ^2/NDF : 0.0/0

Right Out: 18.343 ± 0.643 χ^2/NDF : 475.1/19

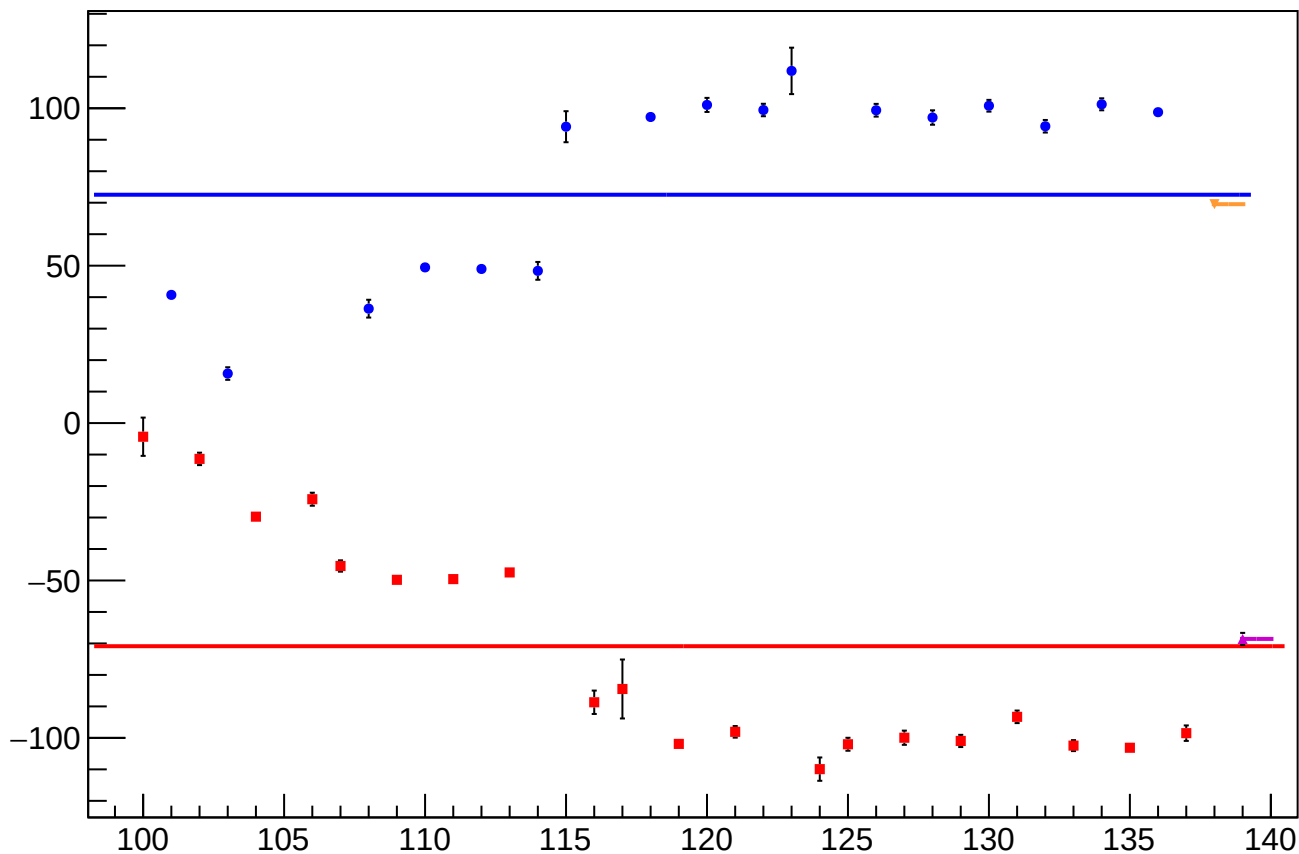
Left In: 55.581 ± 1.187 χ^2/NDF : 0.0/0

-21.452 ± 0.593 χ^2/NDF : 600.1/17

3.833 ± 0.409 χ^2/NDF : 5303.3/38

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 $\pm$ 0.428 χ^2 /NDF: 4684.1/16

Left Out: 69.530 $\pm$ 1.376 χ^2 /NDF: 0.0/0

Right Out: -70.878 $\pm$ 0.433 χ^2 /NDF: 5502.3/19

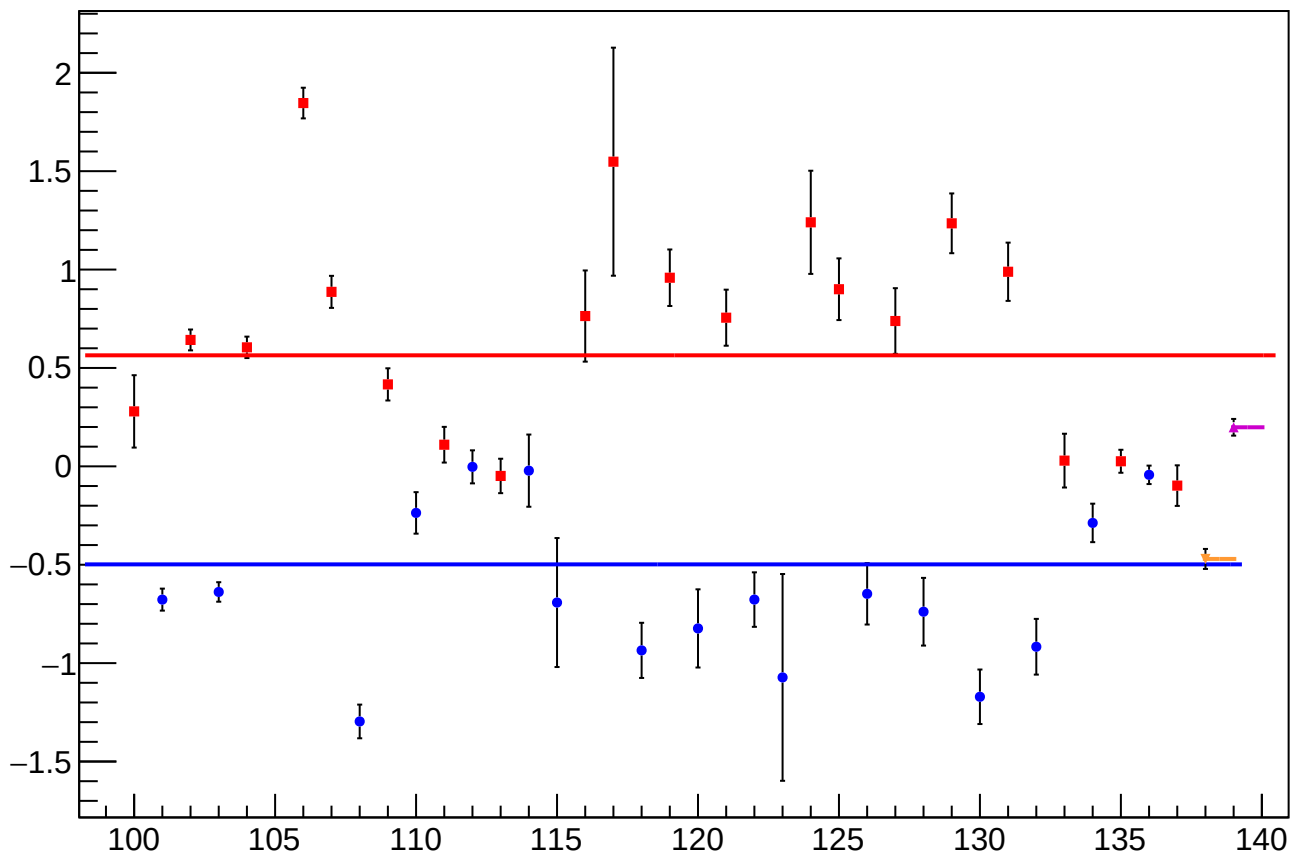
Left In: -68.561 $\pm$ 1.921 χ^2 /NDF: 0.0/0

72.271 $\pm$ 0.409 χ^2 /NDF: 4688.5/17

3.031 $\pm$ 0.294 χ^2 /NDF: 69413.5/38

-70.766 $\pm$ 0.422 χ^2 /NDF: 5503.7/20

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.471 ± 0.051 χ^2/NDF : 0.0/0

Right Out: 0.564 ± 0.021 χ^2/NDF : 563.6/19

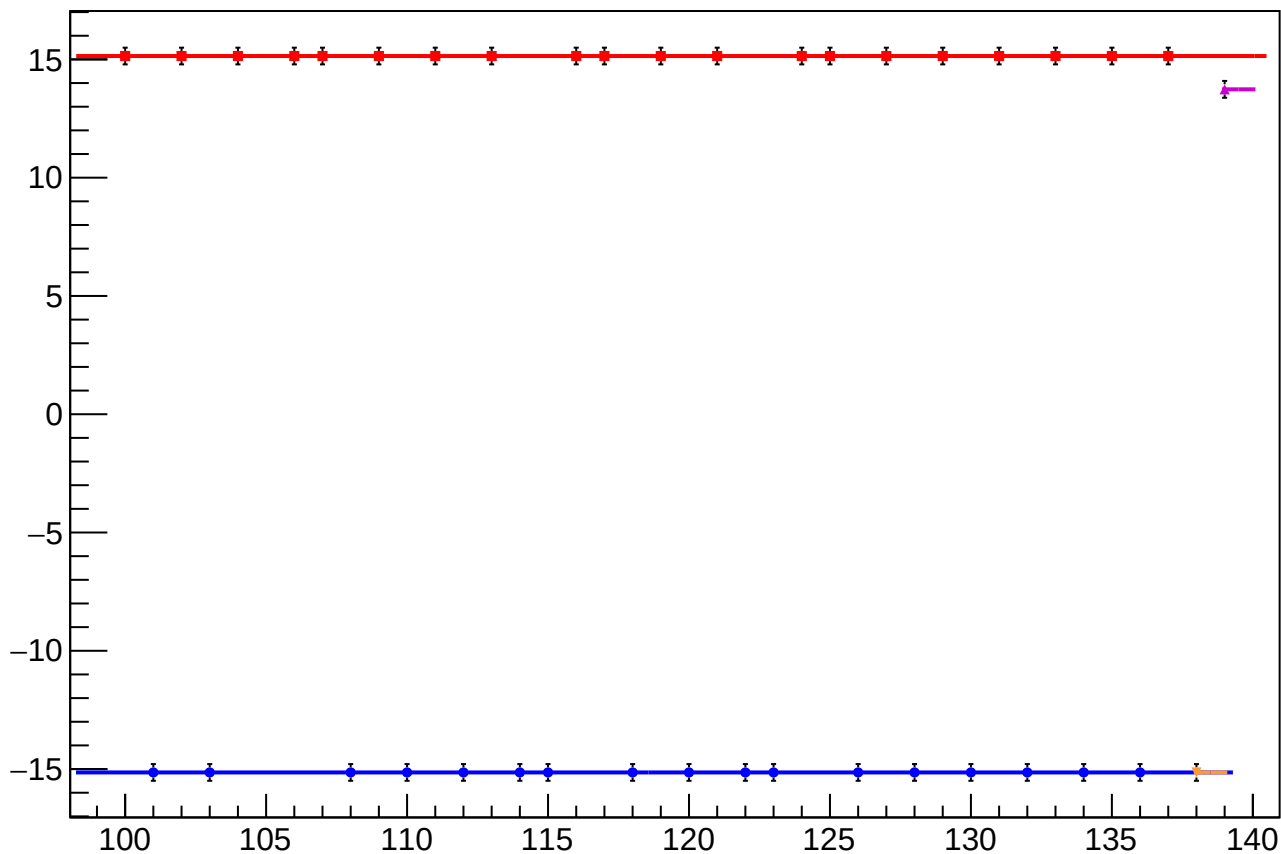
Left In: 0.199 ± 0.042 χ^2/NDF : 0.0/0

-0.494 ± 0.020 χ^2/NDF : 303.0/17

0.031 ± 0.014 χ^2/NDF : 2160.5/38

0.490 ± 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: -15.142 ± 0.353 χ^2/NDF : 0.0/0

Right Out: 15.142 ± 0.079 χ^2/NDF : 0.0/19

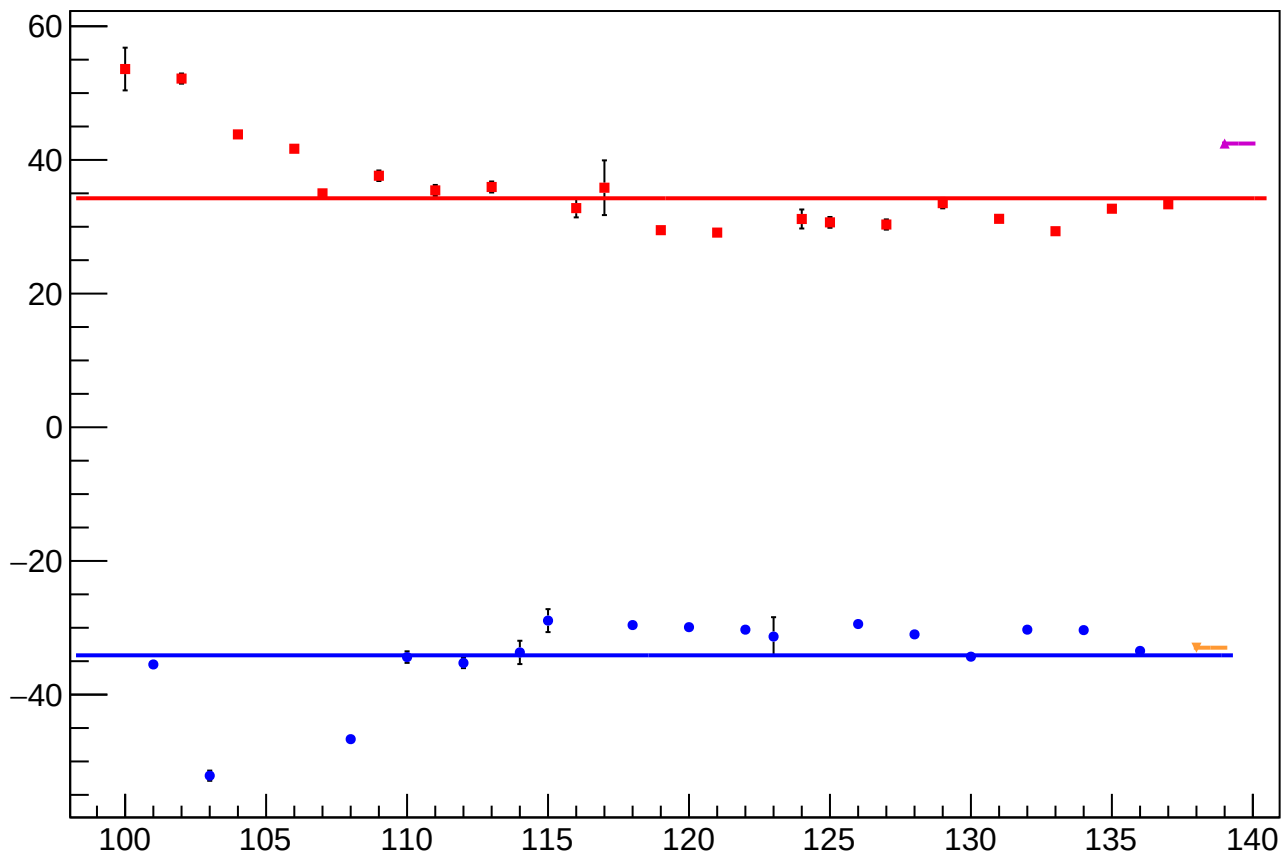
Left In: 13.735 ± 0.356 χ^2/NDF : 0.0/0

-15.142 ± 0.083 χ^2/NDF : 0.0/17

1.124 ± 0.057 χ^2/NDF : 70835.4/38

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: -32.979 ± 0.364 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

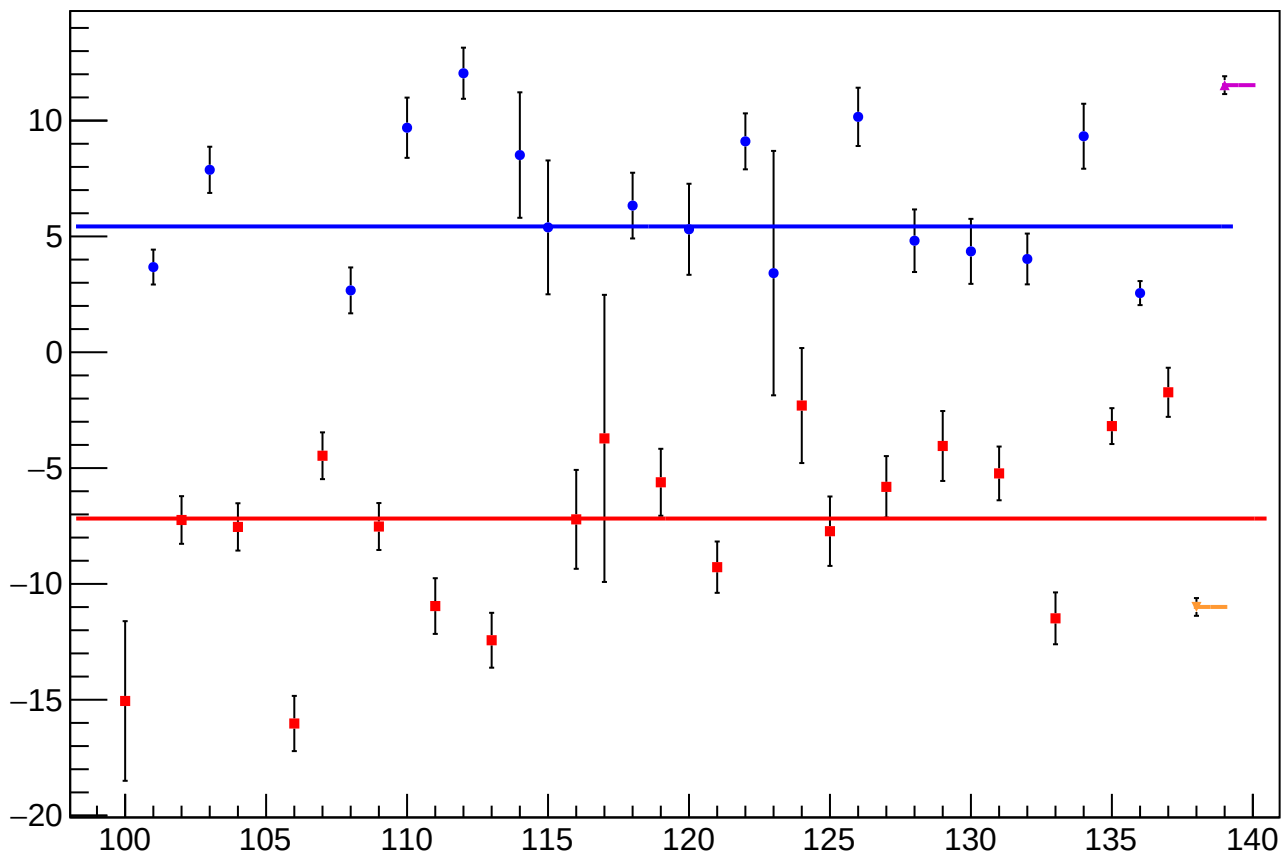
Left In: 42.452 ± 0.640 $\chi^2/\text{NDF}: 0.0/0$

-33.952 ± 0.140 $\chi^2/\text{NDF}: 1330.8/17$

-1.213 ± 0.101 $\chi^2/\text{NDF}: 117347.5/38$

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 $\pm$ 0.270 χ^2 /NDF: 132.0/16

Left Out: -10.994 $\pm$ 0.383 χ^2 /NDF: 0.0/0

Right Out: -7.178 $\pm$ 0.274 χ^2 /NDF: 182.4/19

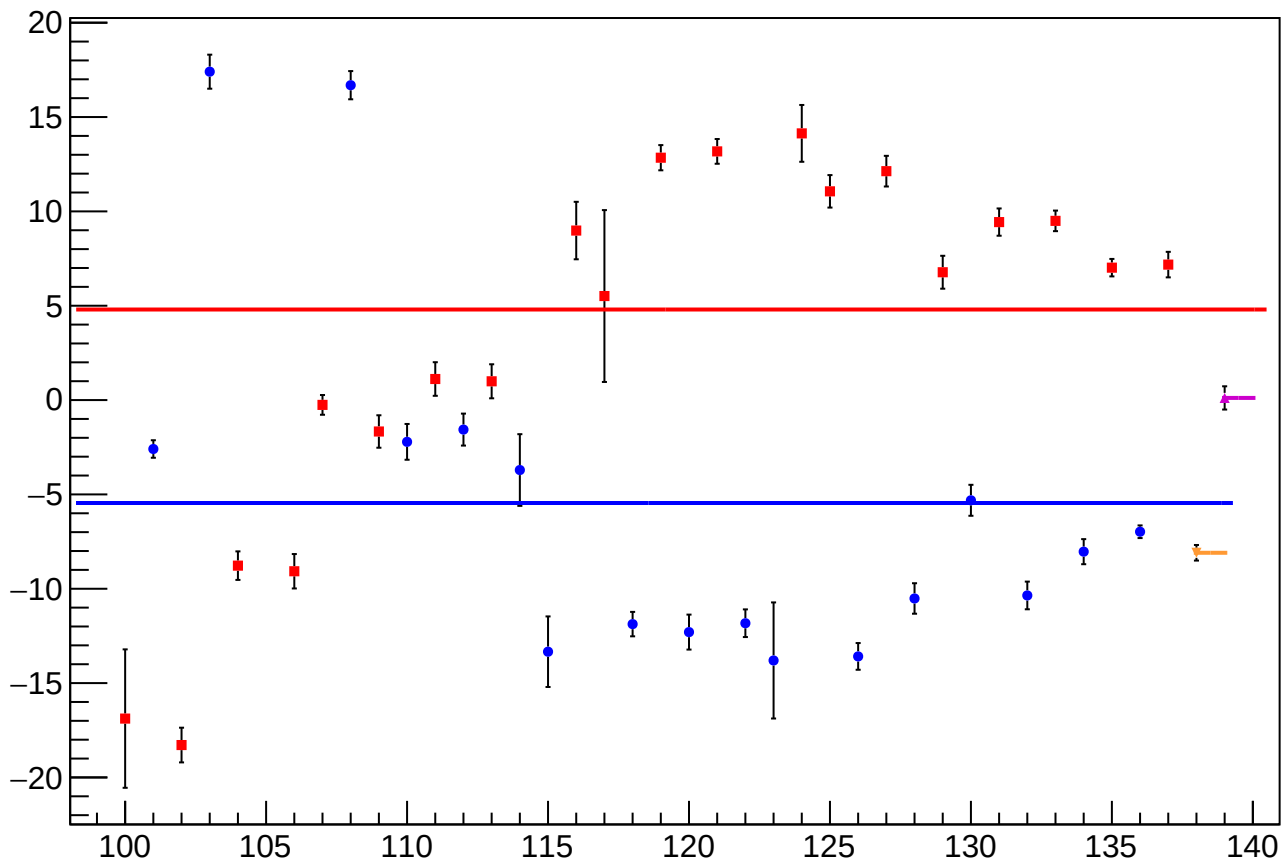
Left In: 11.530 $\pm$ 0.385 χ^2 /NDF: 0.0/0

-0.027 $\pm$ 0.221 χ^2 /NDF: 1358.1/17

-0.453 $\pm$ 0.157 χ^2 /NDF: 3113.4/38

-0.888 $\pm$ 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: -8.093 ± 0.413 χ^2/NDF : 0.0/0

Right Out: 4.799 ± 0.173 χ^2/NDF : 2047.5/19

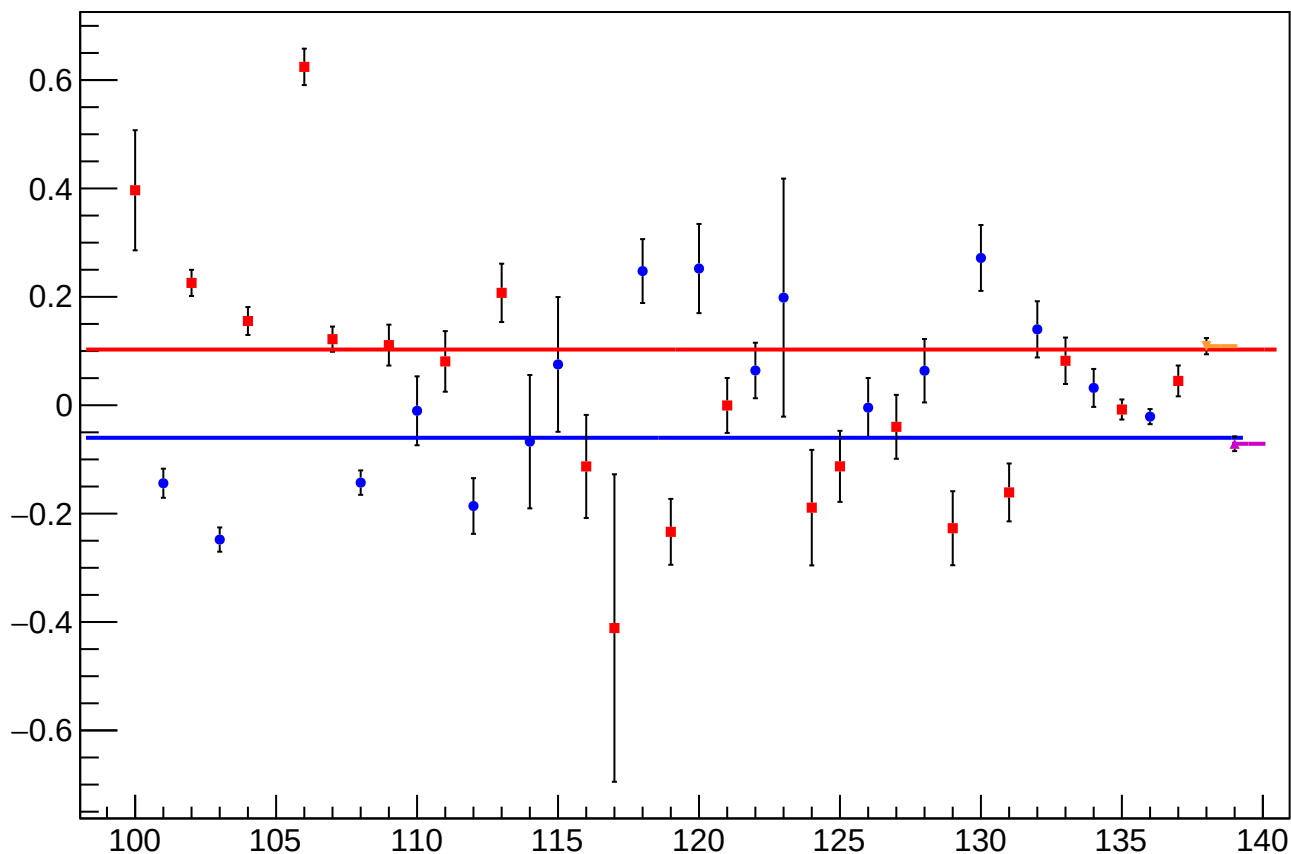
Left In: 0.114 ± 0.616 χ^2/NDF : 0.0/0

-5.840 ± 0.158 χ^2/NDF : 2131.3/17

-0.961 ± 0.115 χ^2/NDF : 6248.5/38

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: 0.109 ± 0.015 χ^2/NDF : 0.0/0

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

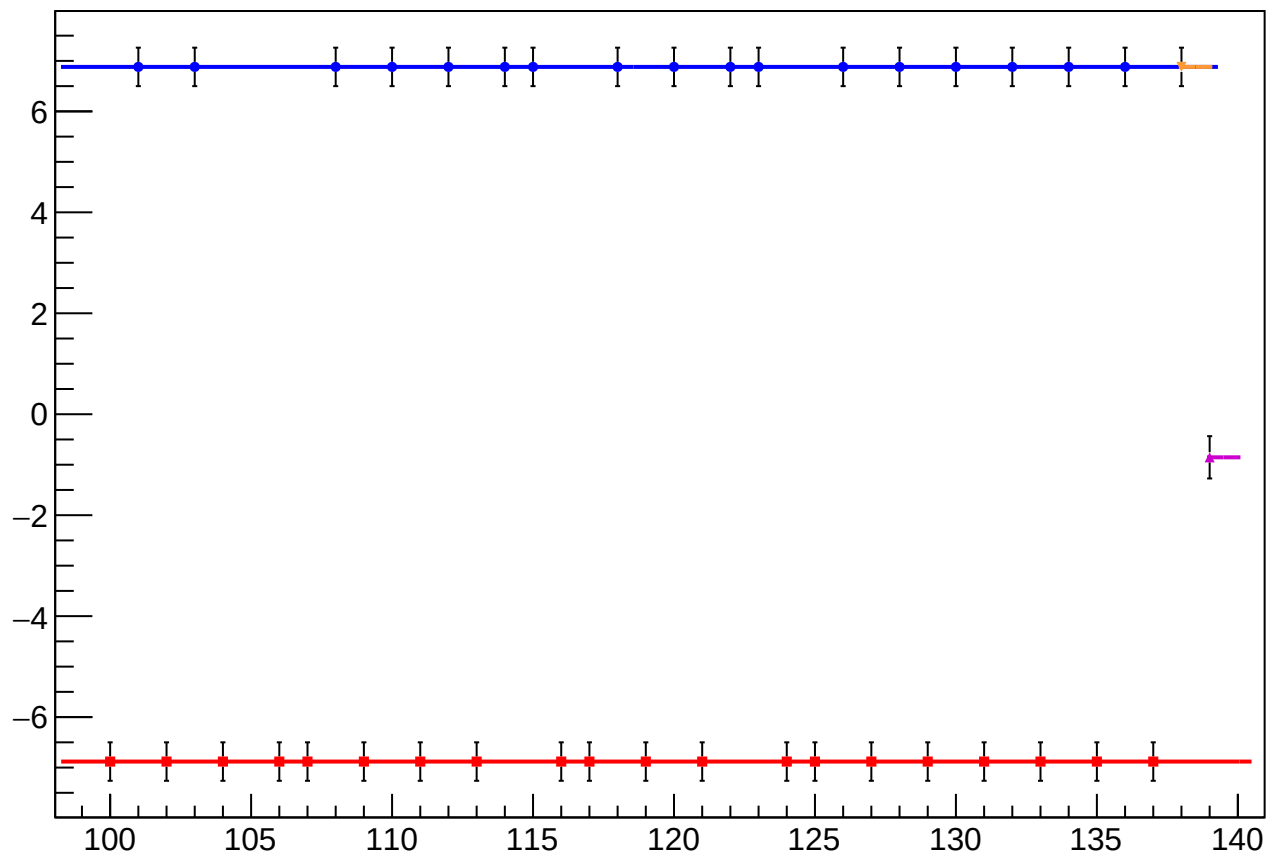
Left In: -0.071 ± 0.014 χ^2/NDF : 0.0/0

-0.020 ± 0.007 χ^2/NDF : 312.2/17

0.018 ± 0.005 χ^2/NDF : 920.2/38

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 $\pm$ 0.092 χ^2 /NDF: 0.0/16

Left Out: 6.881 $\pm$ 0.381 χ^2 /NDF: 0.0/0

Right Out: -6.881 $\pm$ 0.085 χ^2 /NDF: 0.0/19

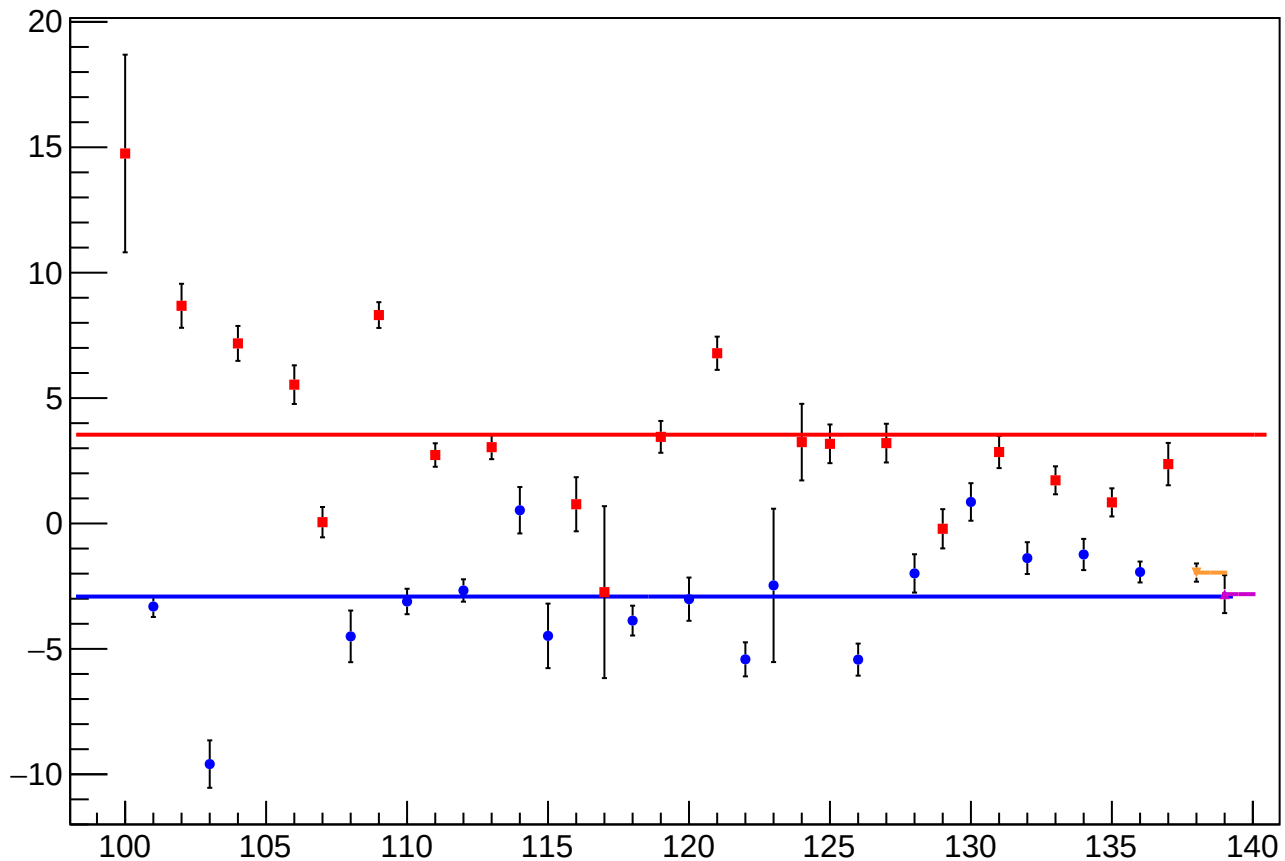
Left In: -0.854 $\pm$ 0.419 χ^2 /NDF: 0.0/0

6.881 $\pm$ 0.090 χ^2 /NDF: 0.0/17

-0.373 $\pm$ 0.061 χ^2 /NDF: 12357.9/38

-6.642 $\pm$ 0.083 χ^2 /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: -1.958 ± 0.363 χ^2/NDF : 0.0/0

Right Out: 3.540 ± 0.154 χ^2/NDF : 294.2/19

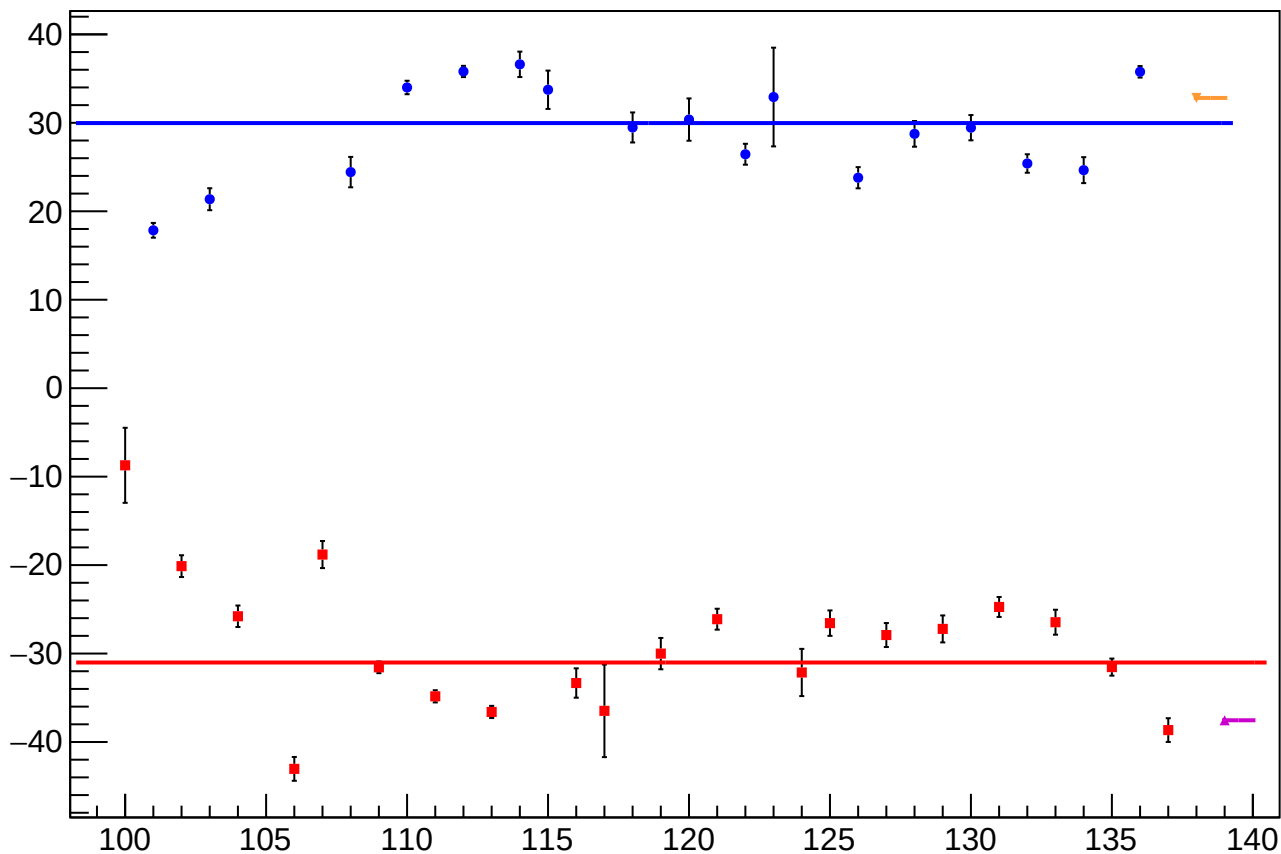
Left In: -2.818 ± 0.755 χ^2/NDF : 0.0/0

-2.767 ± 0.142 χ^2/NDF : 151.9/17

0.076 ± 0.104 χ^2/NDF : 1362.3/38

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 $\pm$ 0.267 χ^2/NDF : 554.3/16

Left Out: 32.812 $\pm$ 0.413 χ^2/NDF : 0.0/0

Right Out: -31.013 $\pm$ 0.260 χ^2/NDF : 480.6/19

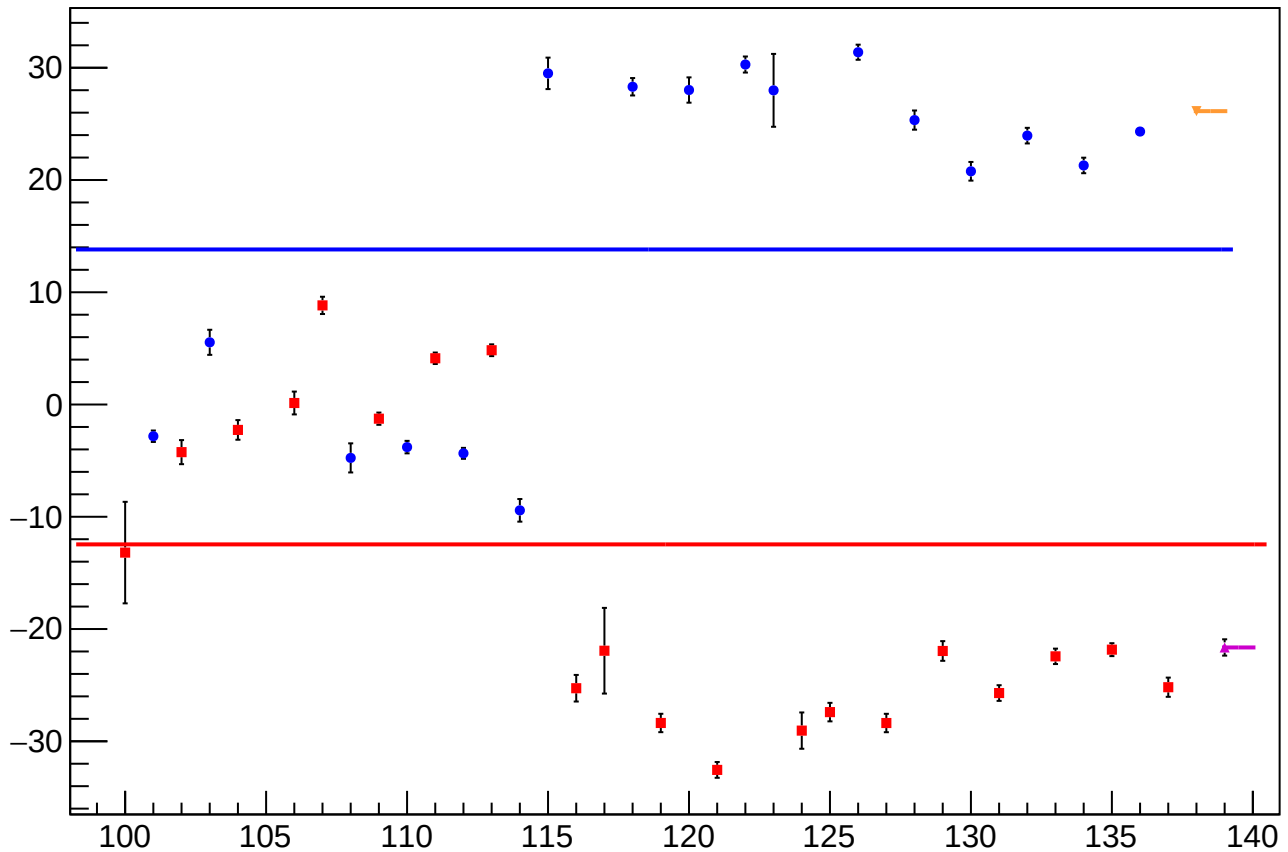
Left In: -37.544 $\pm$ 0.454 χ^2/NDF : 0.0/0

30.811 $\pm$ 0.224 χ^2/NDF : 587.7/17

-0.760 $\pm$ 0.159 χ^2/NDF : 41004.6/38

-32.626 $\pm$ 0.225 χ^2/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: 26.135+/-0.421 χ^2/NDF : 0.0/0

Right Out: -12.460+/-0.174 χ^2/NDF : 6976.5/19

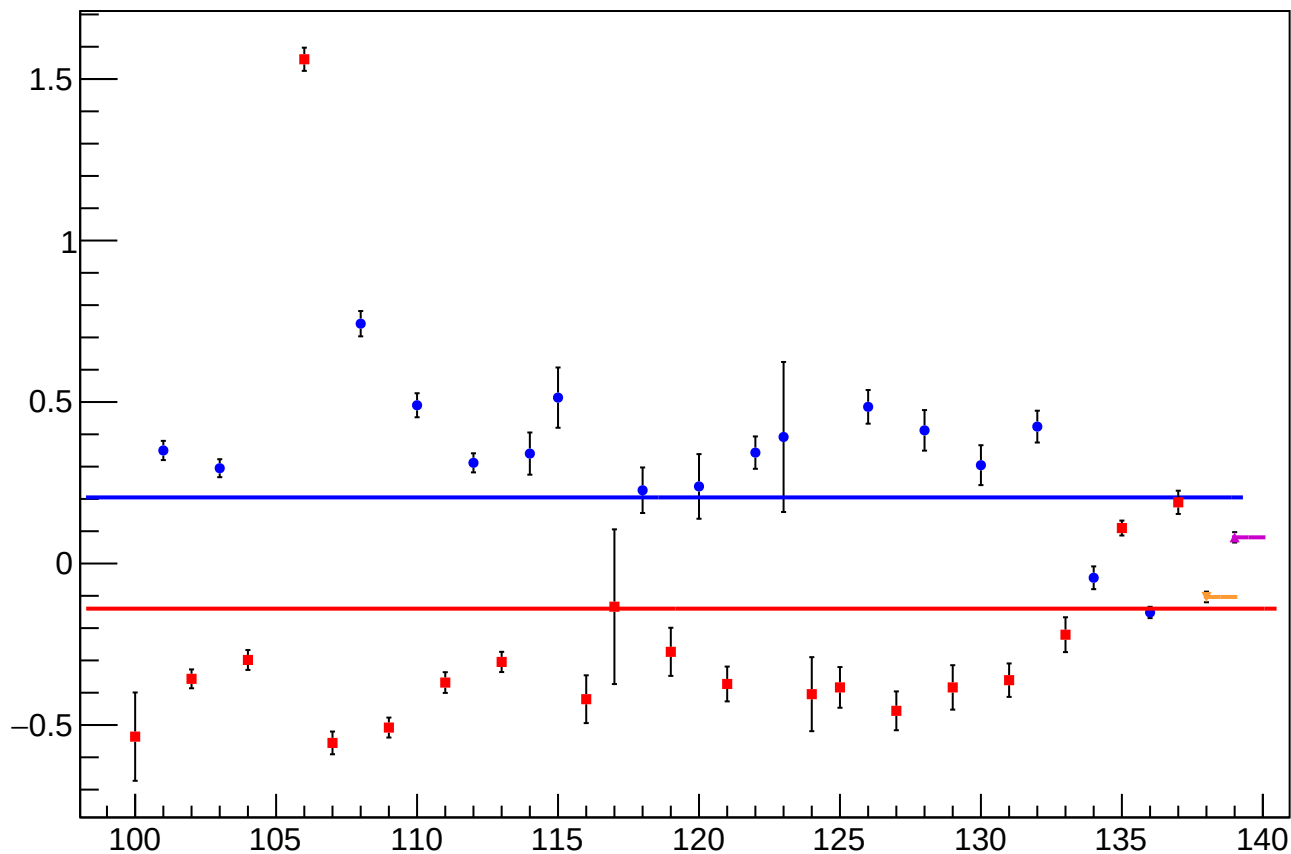
Left In: -21.642+/-0.727 χ^2/NDF : 0.0/0

15.586+/-0.160 χ^2/NDF : 8051.3/17

2.100+/-0.116 χ^2/NDF : 30257.5/38

-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+/-0.016 χ^2/NDF : 0.0/0

Right Out: -0.140+/-0.009 χ^2/NDF : 3014.2/19

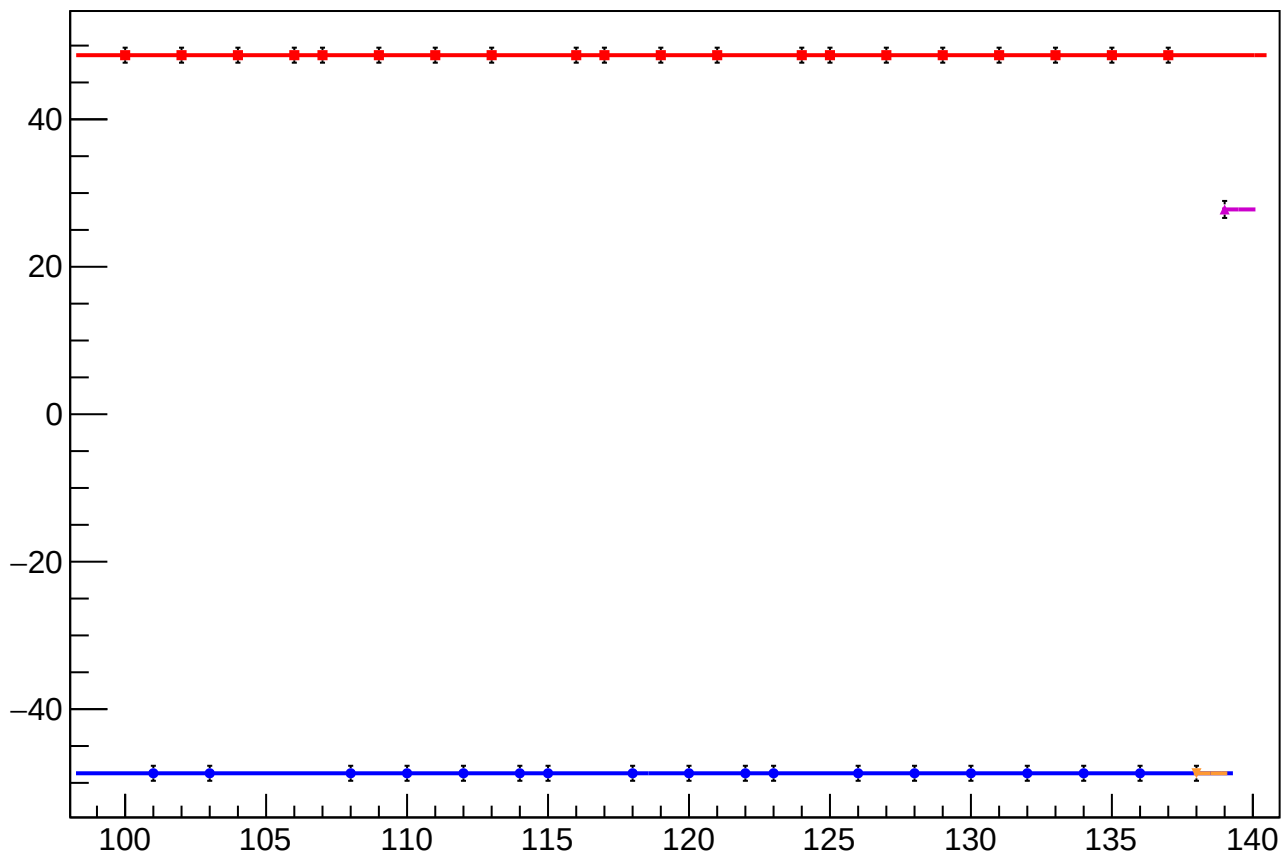
Left In: 0.081+/-0.016 χ^2/NDF : 0.0/0

0.129+/-0.008 χ^2/NDF : 1110.9/17

0.020+/-0.006 χ^2/NDF : 4620.2/38

-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: -48.699 ± 1.019 χ^2/NDF : 0.0/0

Right Out: 48.699 ± 0.228 χ^2/NDF : 0.0/19

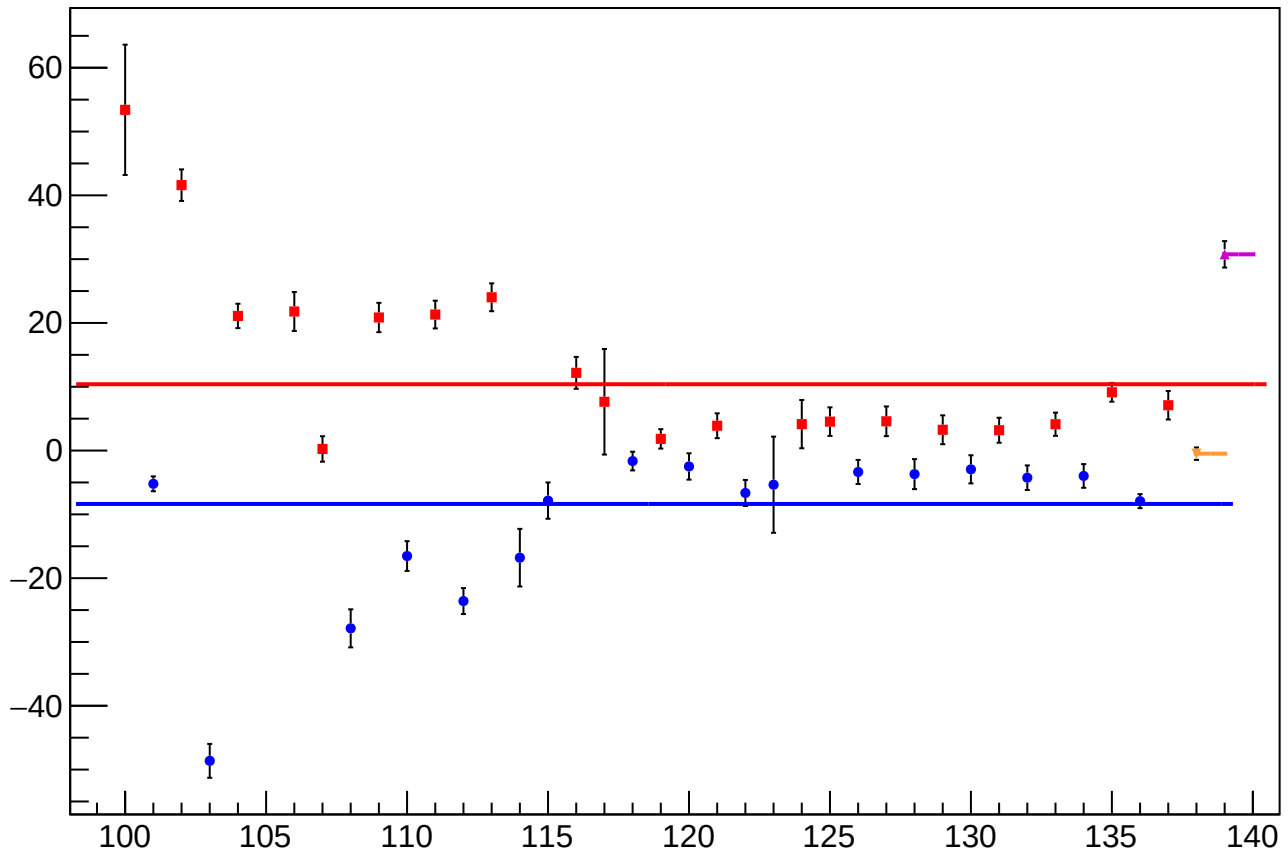
Left In: 27.779 ± 1.153 χ^2/NDF : 0.0/0

-48.699 ± 0.240 χ^2/NDF : 0.0/17

3.071 ± 0.164 χ^2/NDF : 86974.7/38

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: -0.487+/-0.977 χ^2/NDF : 0.0/0

Right Out: 10.396+/-0.490 χ^2/NDF : 430.4/19

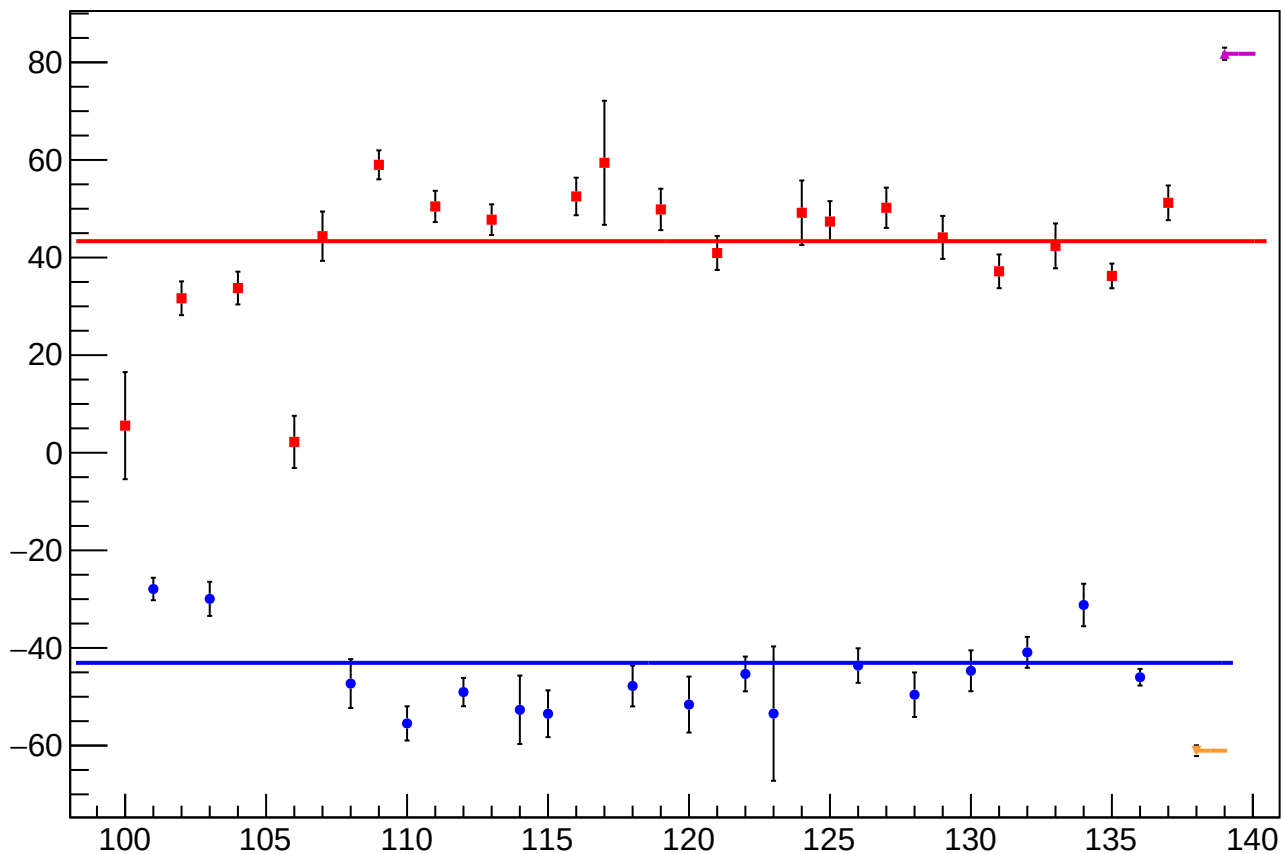
Left In: 30.756+/-2.071 χ^2/NDF : 0.0/0

-6.906+/-0.421 χ^2/NDF : 461.8/17

1.134+/-0.315 χ^2/NDF : 1819.3/38

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 χ^2/NDF : 99.0/16

Left Out: -61.048 ± 1.105 χ^2/NDF : 0.0/0

Right Out: 43.357 ± 0.865 χ^2/NDF : 156.0/19

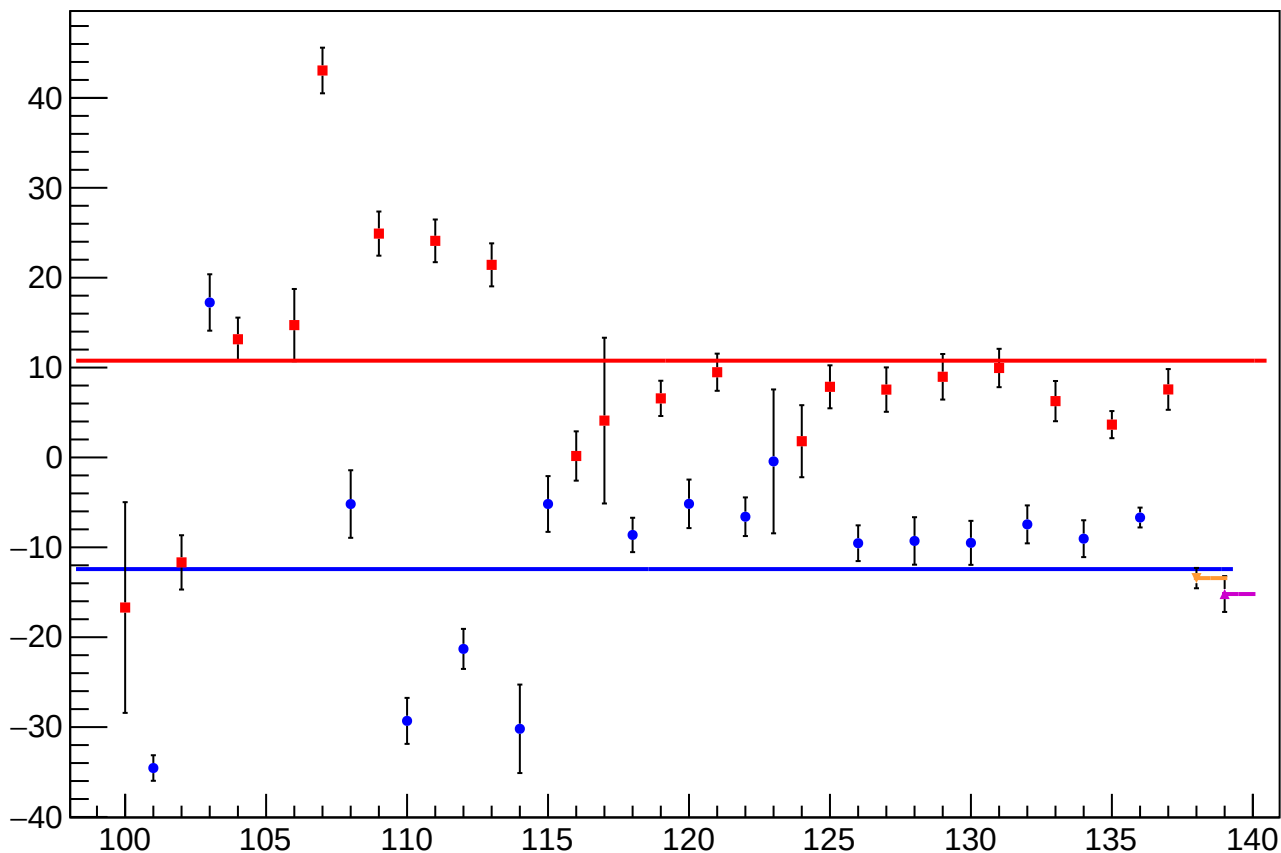
Left In: 81.757 ± 1.249 χ^2/NDF : 0.0/0

-49.616 ± 0.667 χ^2/NDF : 267.7/17

-0.264 ± 0.487 χ^2/NDF : 12748.9/38

55.808 ± 0.711 χ^2/NDF : 794.8/20

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 $\pm$ 0.523 χ^2 /NDF: 474.4/16

Left Out: -13.424 $\pm$ 1.132 χ^2 /NDF: 0.0/0

Right Out: 10.766 $\pm$ 0.553 χ^2 /NDF: 366.3/19

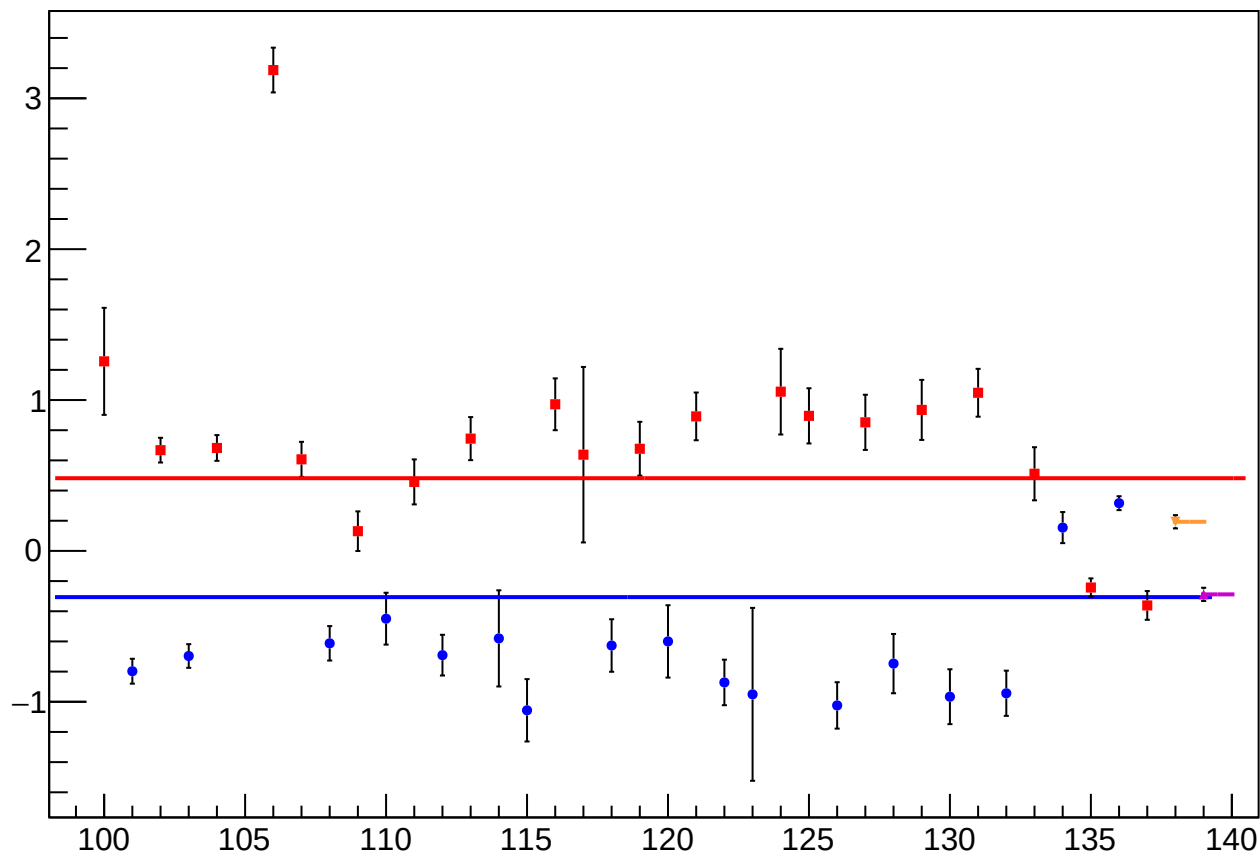
Left In: -15.196 $\pm$ 1.993 χ^2 /NDF: 0.0/0

-12.598 $\pm$ 0.475 χ^2 /NDF: 475.0/17

-3.075 $\pm$ 0.354 χ^2 /NDF: 1907.6/38

8.912 $\pm$ 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: 0.193 ± 0.044 χ^2/NDF : 0.0/0

Right Out: 0.482 ± 0.029 χ^2/NDF : 628.3/19

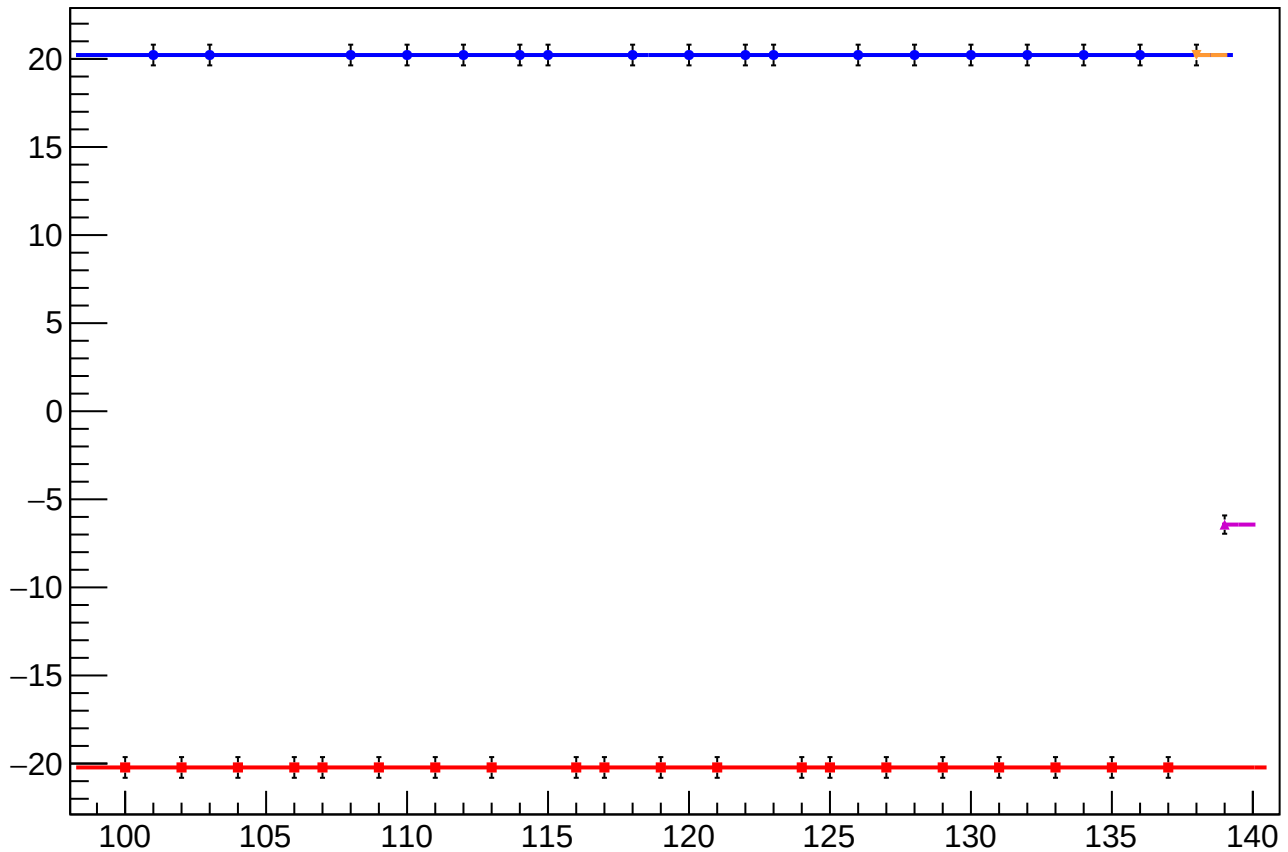
Left In: -0.288 ± 0.044 χ^2/NDF : 0.0/0

-0.166 ± 0.023 χ^2/NDF : 464.2/17

0.039 ± 0.017 χ^2/NDF : 1465.0/38

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: 20.221 $\pm$ 0.588 χ^2 /NDF: 0.0/0

Right Out: -20.221 $\pm$ 0.131 χ^2 /NDF: 0.0/19

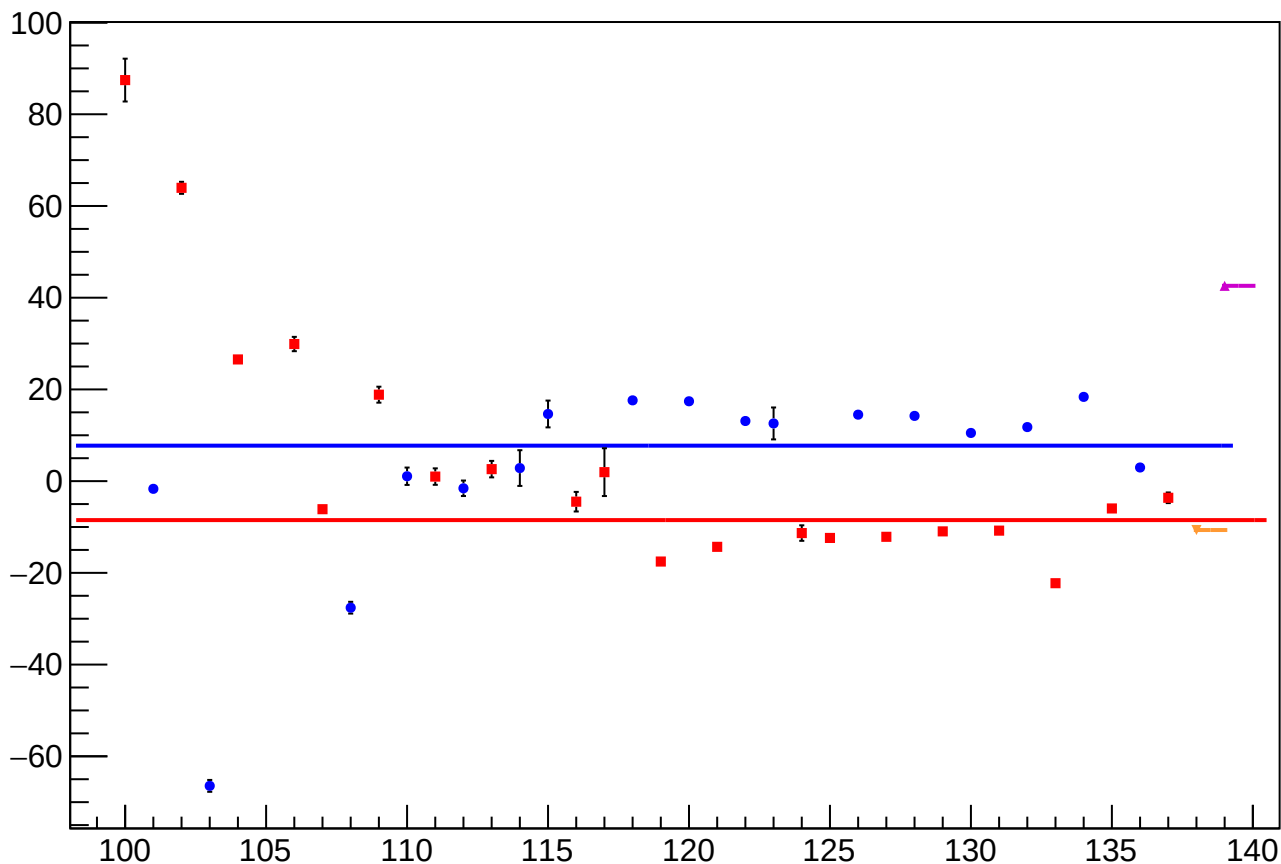
Left In: -6.435 $\pm$ 0.519 χ^2 /NDF: 0.0/0

20.221 $\pm$ 0.139 χ^2 /NDF: 0.0/17

-1.239 $\pm$ 0.094 χ^2 /NDF: 44948.8/38

-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: -10.659 ± 0.597 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -8.496 ± 0.213 $\chi^2/\text{NDF}: 6723.5/19$

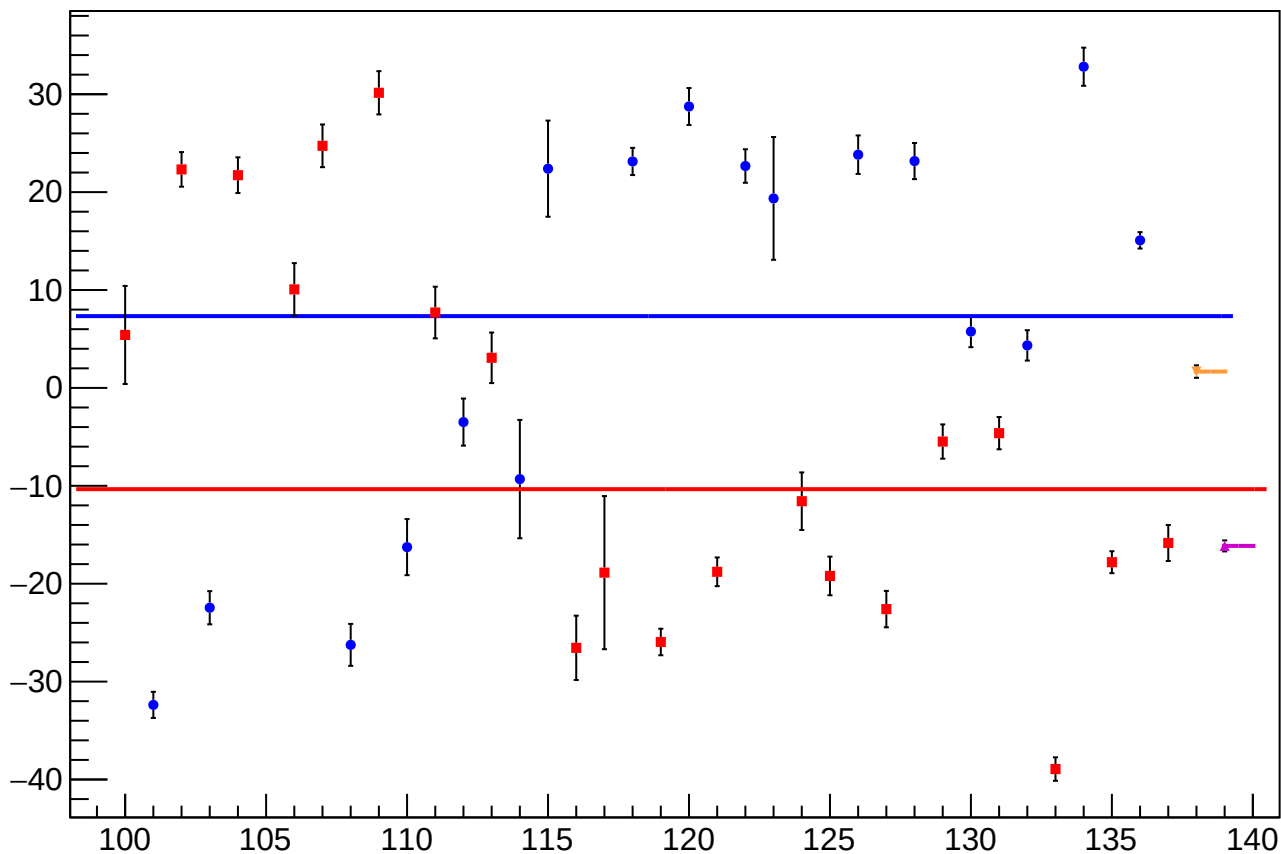
Left In: 42.591 ± 0.945 $\chi^2/\text{NDF}: 0.0/0$

5.571 ± 0.205 $\chi^2/\text{NDF}: 6138.3/17$

-0.142 ± 0.146 $\chi^2/\text{NDF}: 17223.1/38$

-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 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 1.670 ± 0.637 χ^2/NDF : 0.0/0

Right Out: -10.342 ± 0.416 χ^2/NDF : 2282.7/19

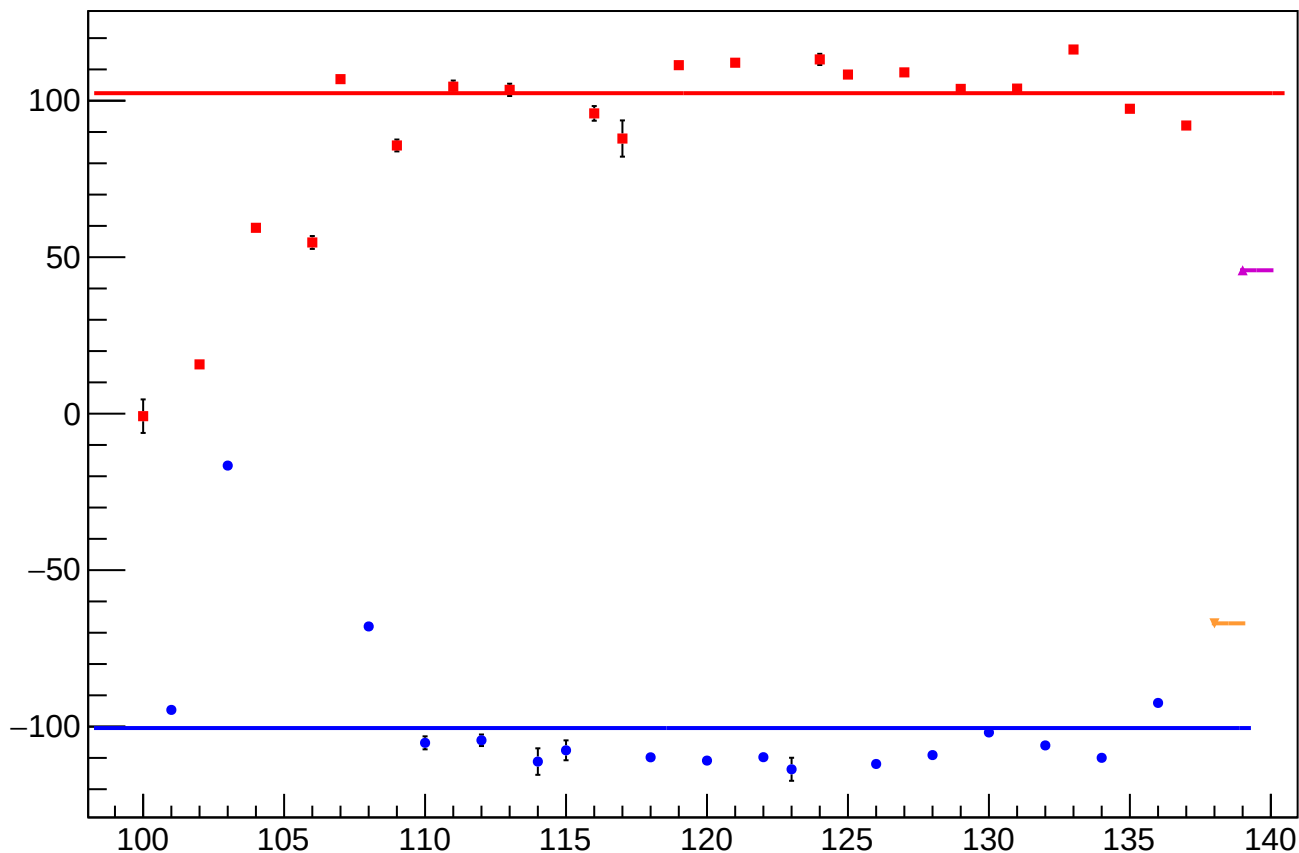
Left In: -16.139 ± 0.561 χ^2/NDF : 0.0/0

5.627 ± 0.350 χ^2/NDF : 2348.3/17

-3.794 ± 0.242 χ^2/NDF : 6087.2/38

-12.399 ± 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: -67.003 ± 0.681 χ^2/NDF : 0.0/0

Right Out: 102.405 ± 0.246 χ^2/NDF : 6100.6/19

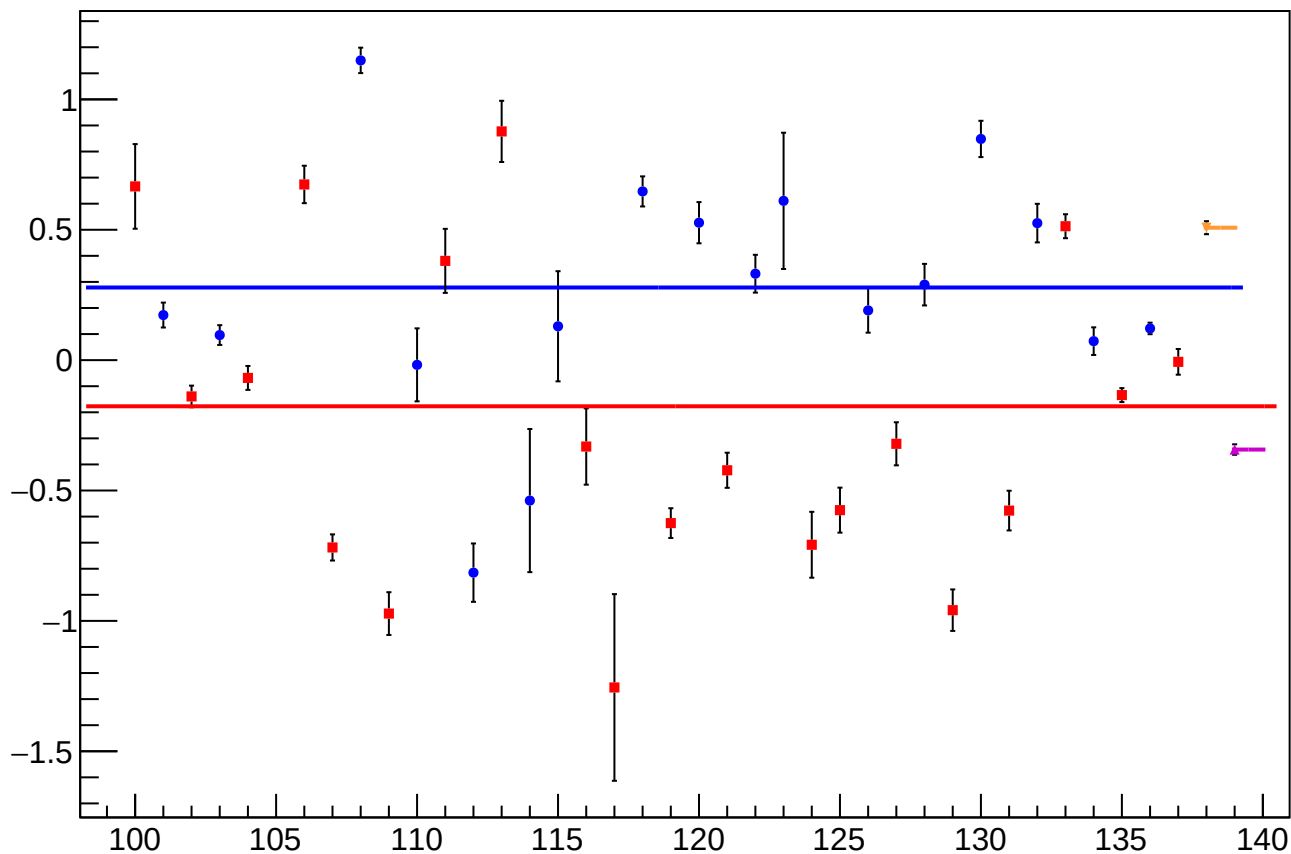
Left In: 45.818 ± 0.910 χ^2/NDF : 0.0/0

-96.460 ± 0.235 χ^2/NDF : 6587.9/17

0.127 ± 0.167 χ^2/NDF : 356530.4/38

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 $\pm$ 0.014 χ^2 /NDF: 653.9/16

Left Out: 0.508 $\pm$ 0.025 χ^2 /NDF: 0.0/0

Right Out: -0.177 $\pm$ 0.013 χ^2 /NDF: 976.8/19

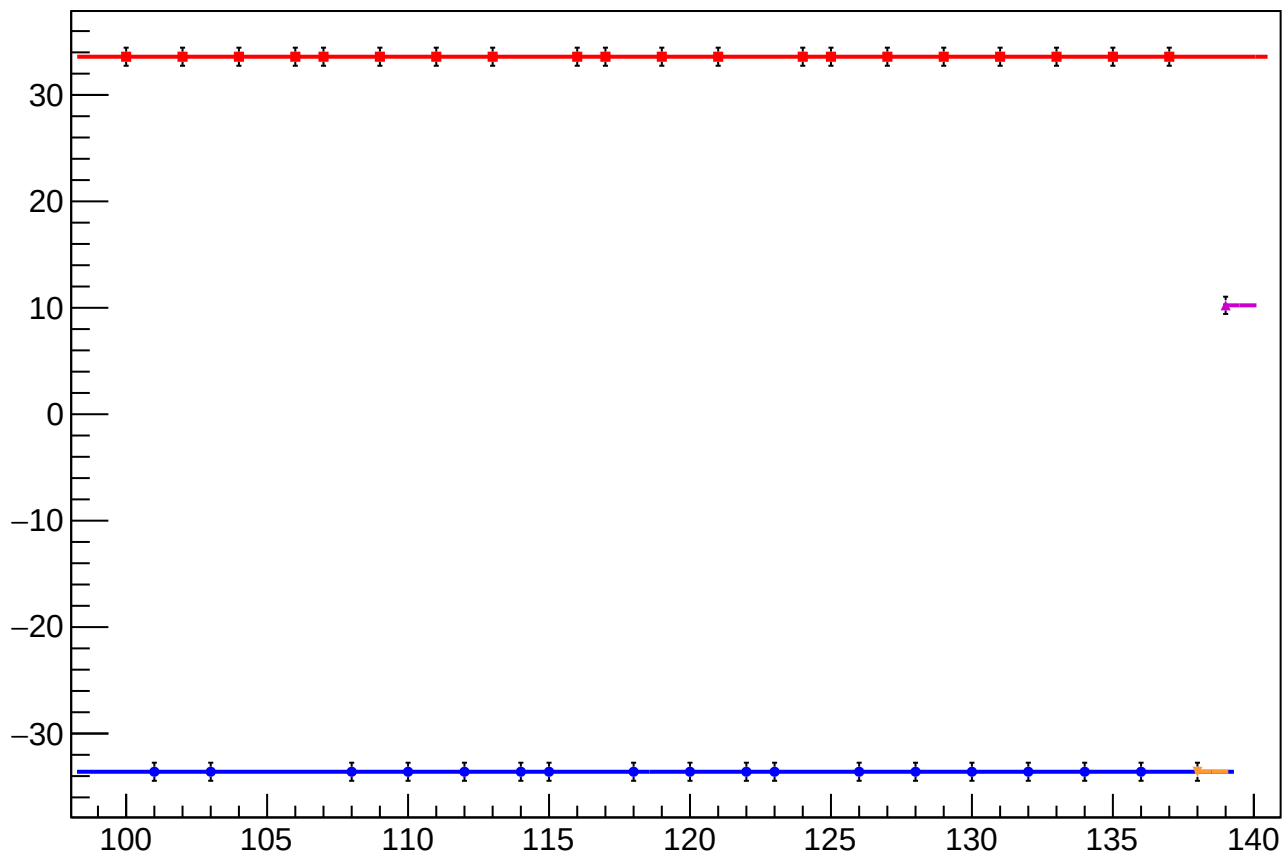
Left In: -0.343 $\pm$ 0.020 χ^2 /NDF: 0.0/0

0.330 $\pm$ 0.012 χ^2 /NDF: 719.0/17

0.034 $\pm$ 0.008 χ^2 /NDF: 2913.5/38

-0.228 $\pm$ 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: -33.592 ± 0.850 χ^2/NDF : 0.0/0

Right Out: 33.592 ± 0.190 χ^2/NDF : 0.0/19

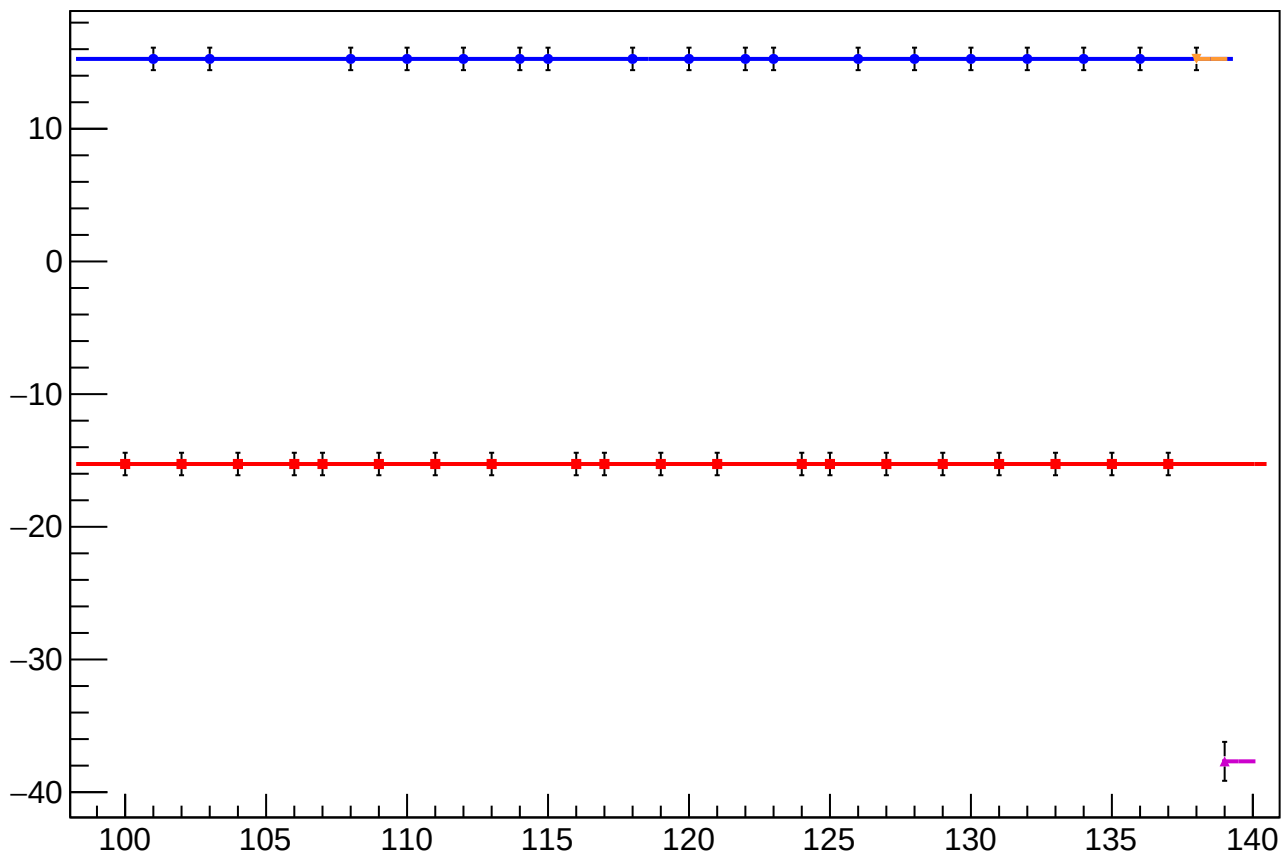
Left In: 10.233 ± 0.810 χ^2/NDF : 0.0/0

-33.592 ± 0.200 χ^2/NDF : 0.0/17

2.006 ± 0.136 χ^2/NDF : 59357.6/38

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: 15.266 $\pm$ 0.847 χ^2 /NDF: 0.0/0

Right Out: -15.266 $\pm$ 0.189 χ^2 /NDF: 0.0/19

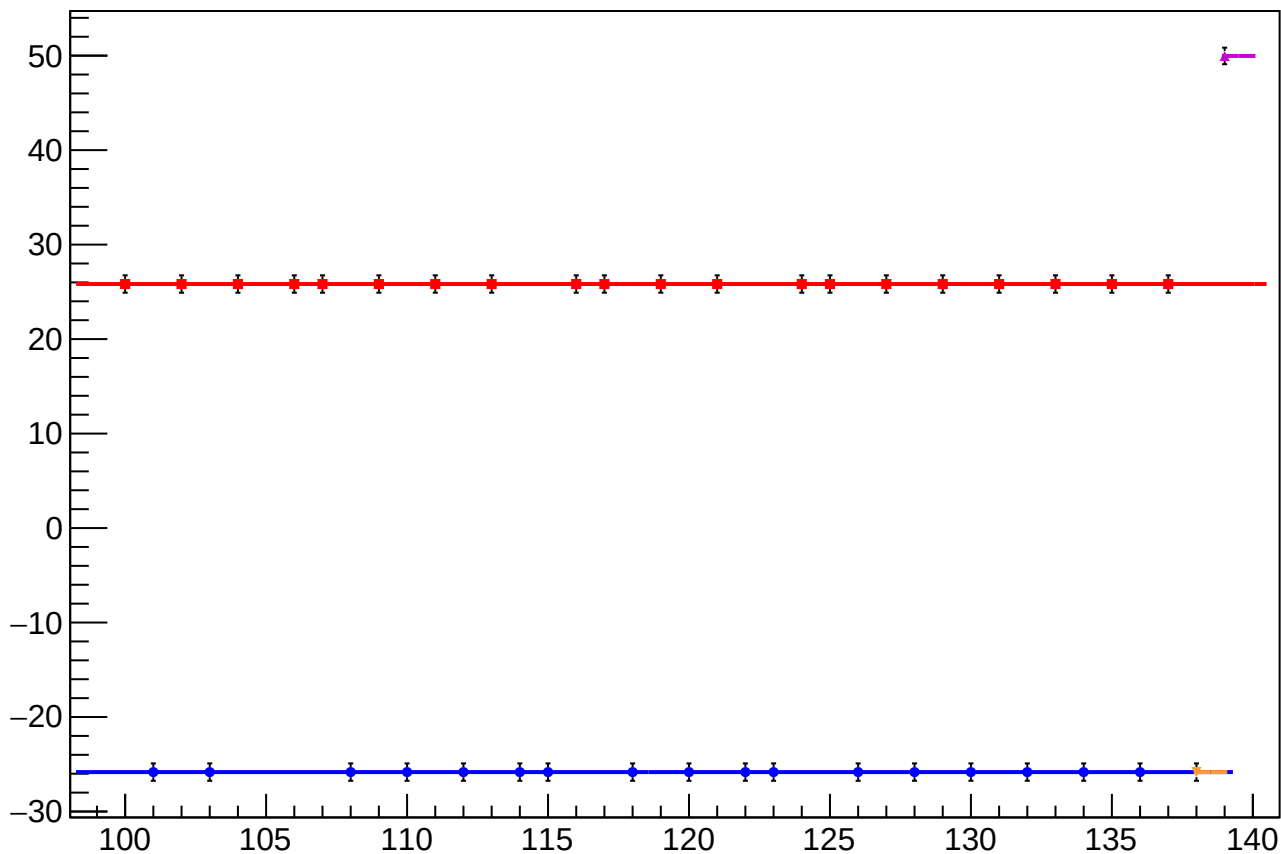
Left In: -37.677 $\pm$ 1.467 χ^2 /NDF: 0.0/0

15.266 $\pm$ 0.200 χ^2 /NDF: 0.0/17

-1.124 $\pm$ 0.137 χ^2 /NDF: 12931.0/38

-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 $\pm$ 0.223 χ^2 /NDF: 0.0/16

Left Out: -25.828 $\pm$ 0.921 χ^2 /NDF: 0.0/0

Right Out: 25.828 $\pm$ 0.206 χ^2 /NDF: 0.0/19

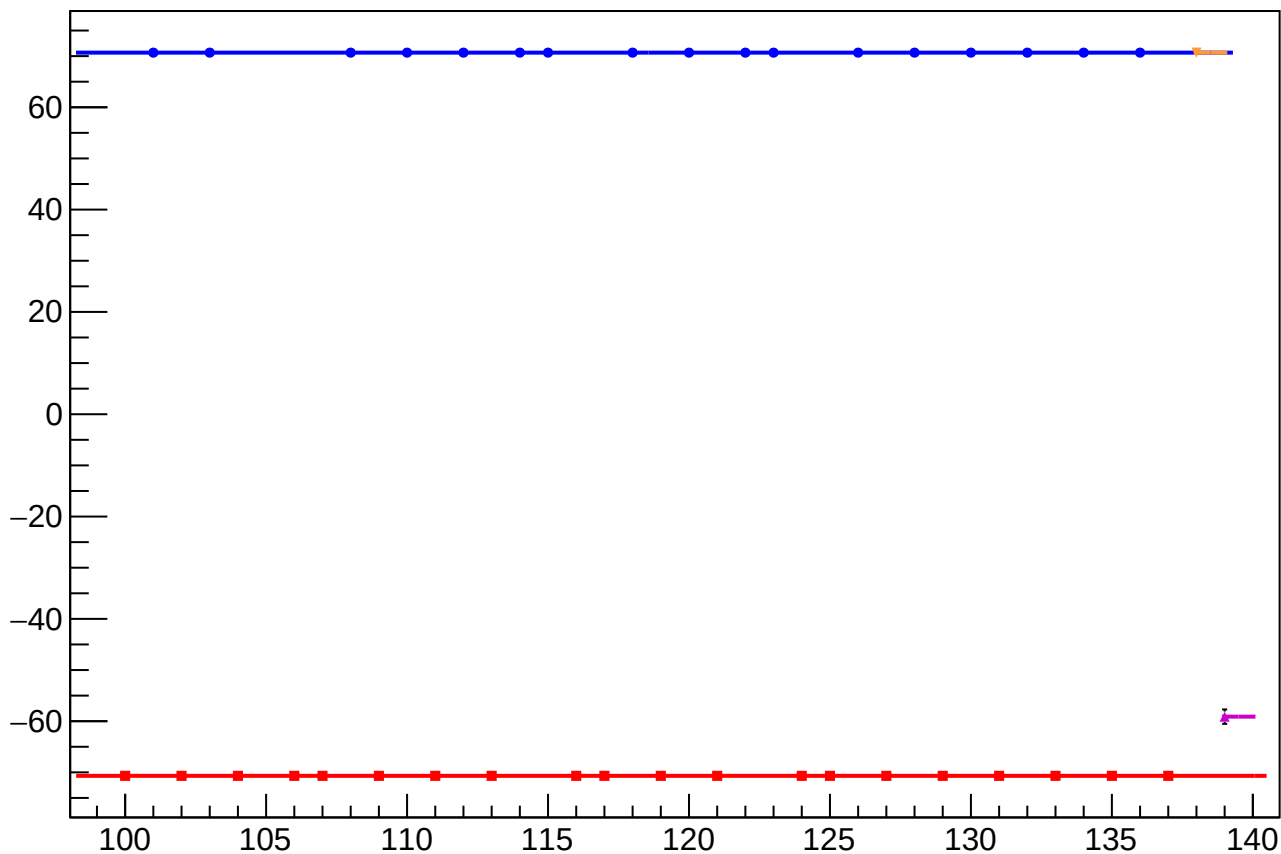
Left In: 49.968 $\pm$ 0.876 χ^2 /NDF: 0.0/0

-25.828 $\pm$ 0.217 χ^2 /NDF: 0.0/17

2.733 $\pm$ 0.147 χ^2 /NDF: 32806.9/38

27.093 $\pm$ 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: 70.679+/-0.971 χ^2/NDF : 0.0/0

Right Out: -70.679+/-0.217 χ^2/NDF : 0.0/19

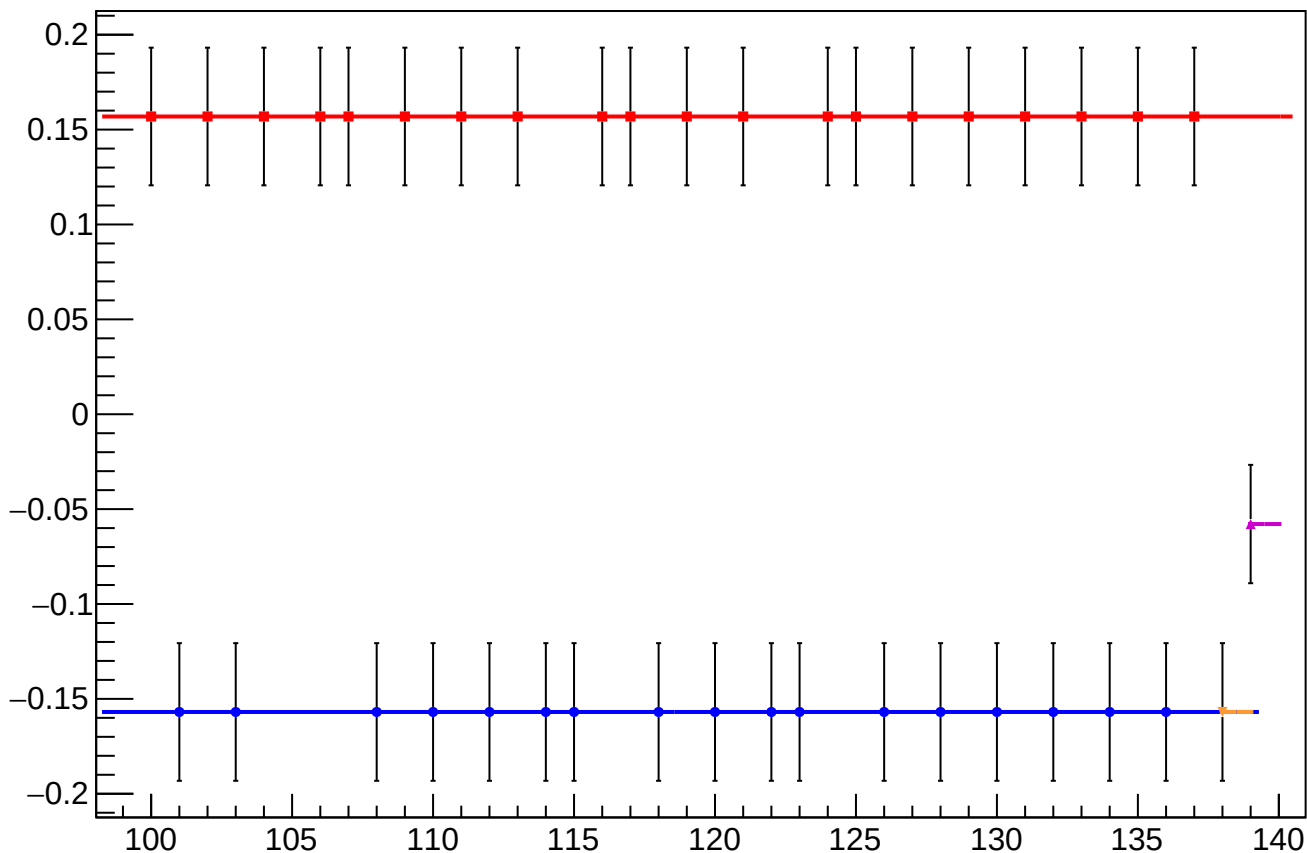
Left In: -59.111+/-1.413 χ^2/NDF : 0.0/0

70.679+/-0.229 χ^2/NDF : 0.0/17

-4.400+/-0.157 χ^2/NDF : 202352.8/38

-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+/-0.009 χ^2 /NDF: 0.0/16

Left Out: -0.157+/-0.036 χ^2 /NDF: 0.0/0

Right Out: 0.157+/-0.008 χ^2 /NDF: 0.0/19

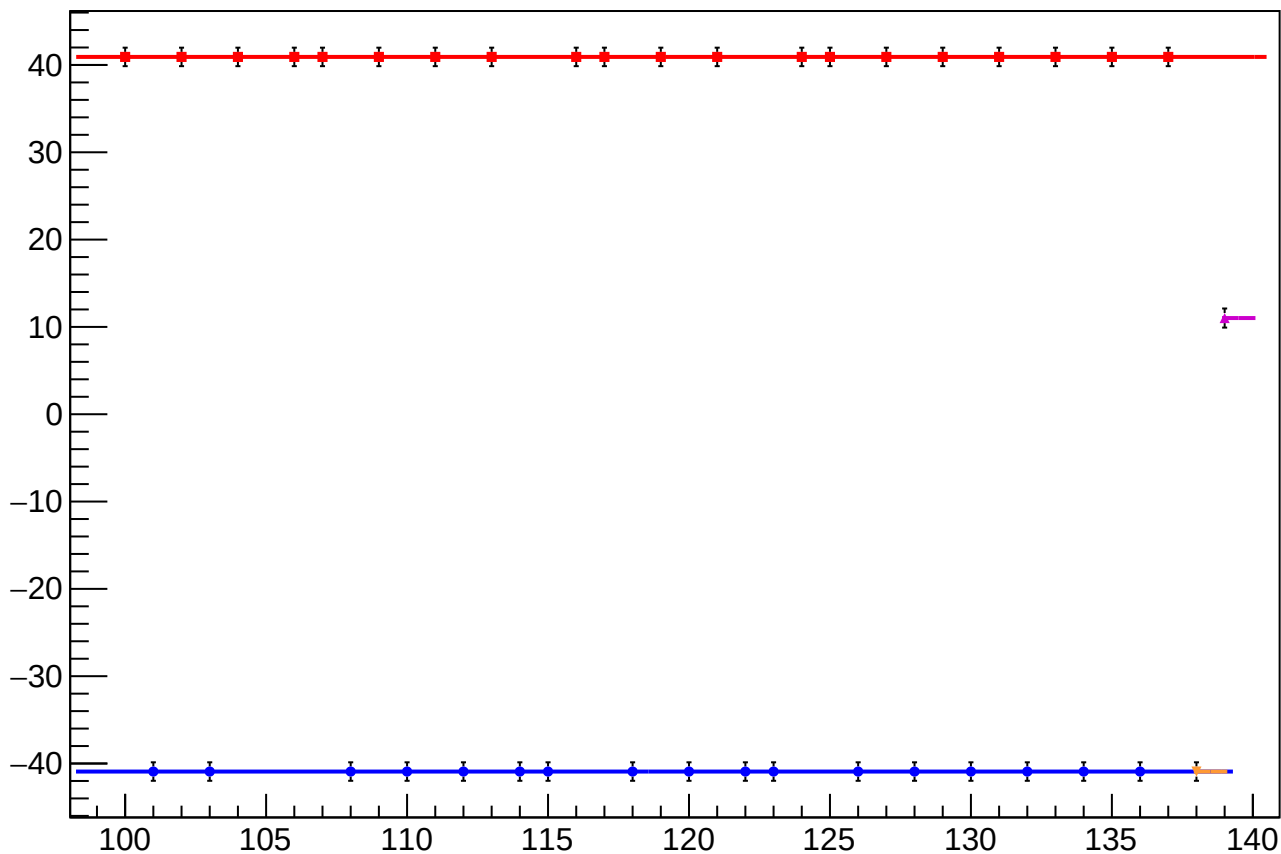
Left In: -0.058+/-0.031 χ^2 /NDF: 0.0/0

-0.157+/-0.009 χ^2 /NDF: 0.0/17

0.006+/-0.006 χ^2 /NDF: 713.5/38

0.143+/-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 χ^2/NDF : 0.0/16

Left Out: -40.922 ± 1.059 χ^2/NDF : 0.0/0

Right Out: 40.922 ± 0.237 χ^2/NDF : 0.0/19

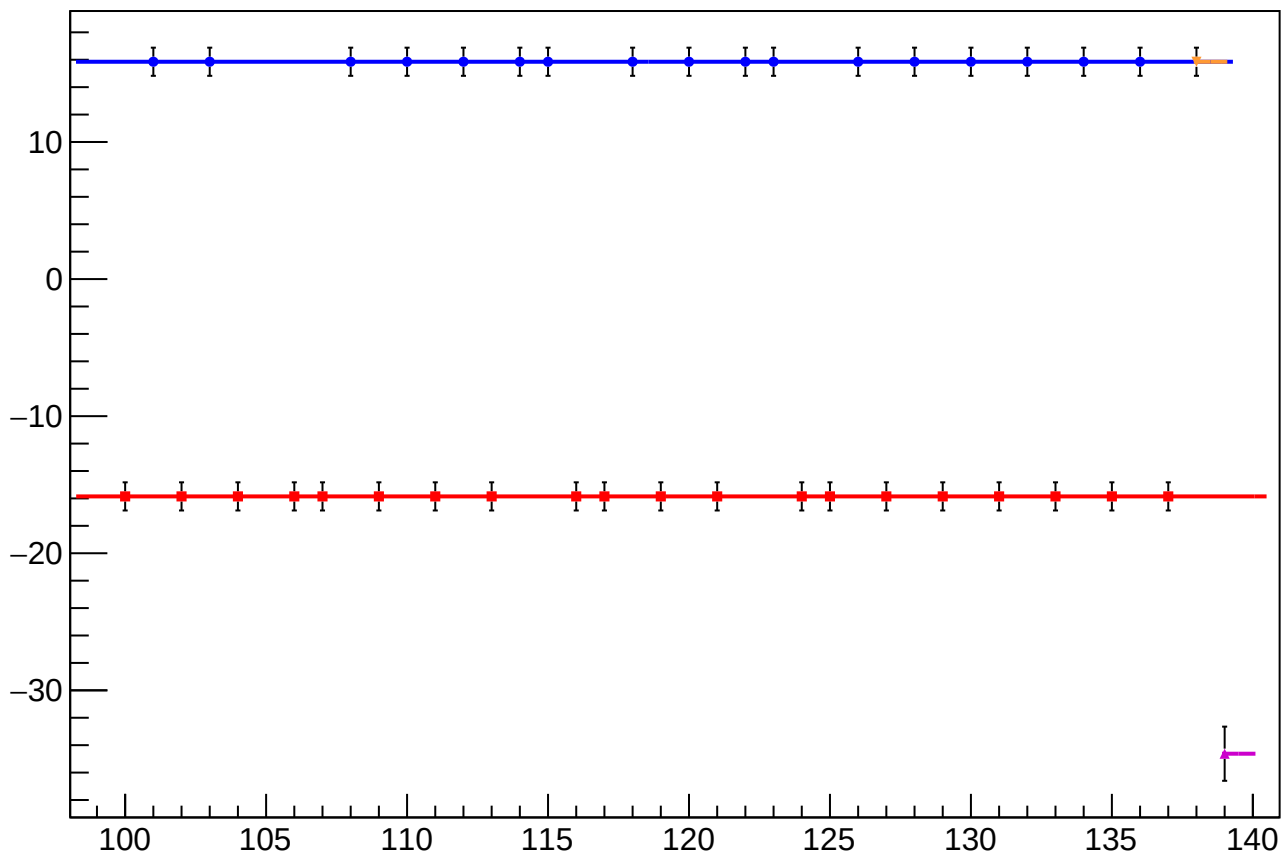
Left In: 11.016 ± 1.094 χ^2/NDF : 0.0/0

-40.922 ± 0.250 χ^2/NDF : 0.0/17

2.367 ± 0.170 χ^2/NDF : 56672.5/38

39.583 ± 0.231 χ^2/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: 15.853 $\pm$ 1.027 χ^2 /NDF: 0.0/0

Right Out: -15.853 $\pm$ 0.230 χ^2 /NDF: 0.0/19

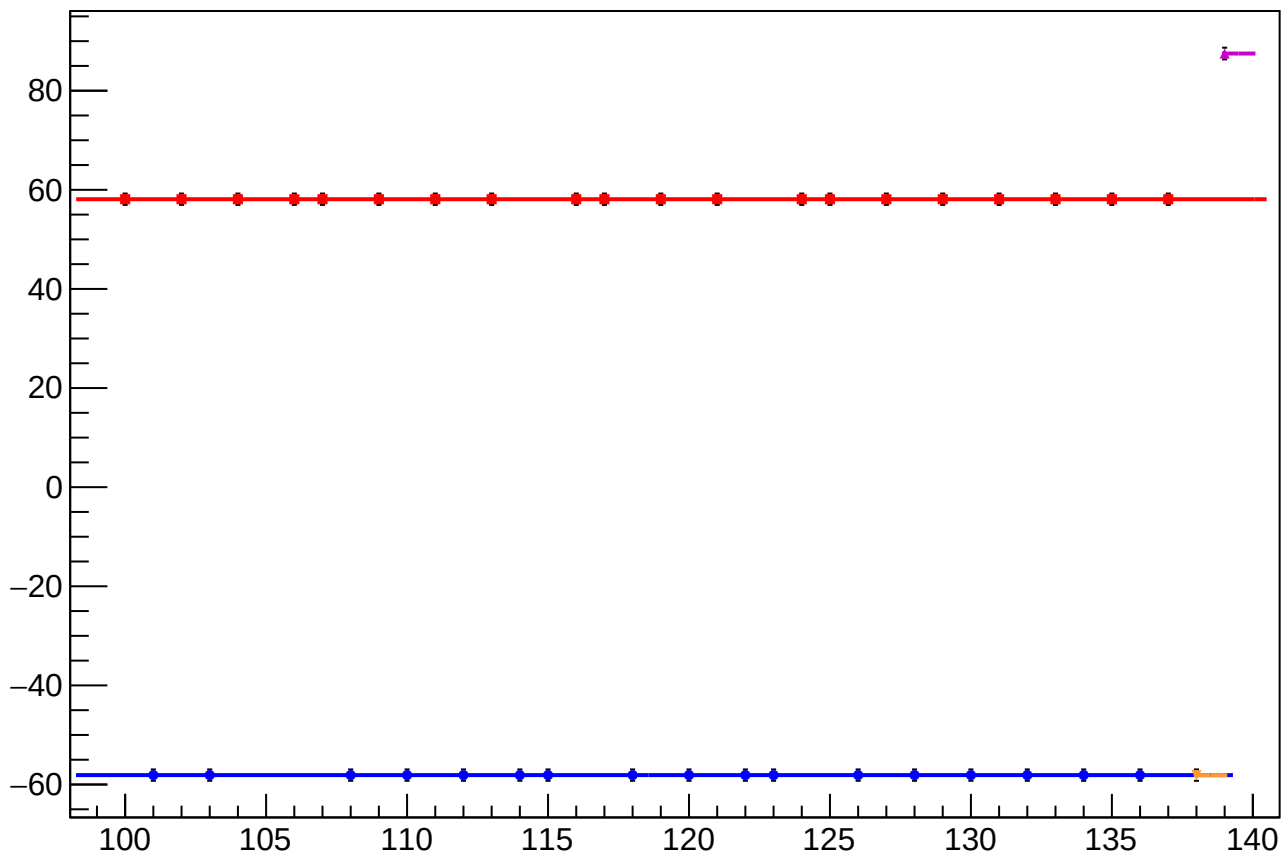
Left In: -34.623 $\pm$ 1.976 χ^2 /NDF: 0.0/0

15.853 $\pm$ 0.242 χ^2 /NDF: 0.0/17

-1.073 $\pm$ 0.166 χ^2 /NDF: 9320.3/38

-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: -58.103±1.147 χ^2/NDF : 0.0/0

Right Out: 58.103±0.257 χ^2/NDF : 0.0/19

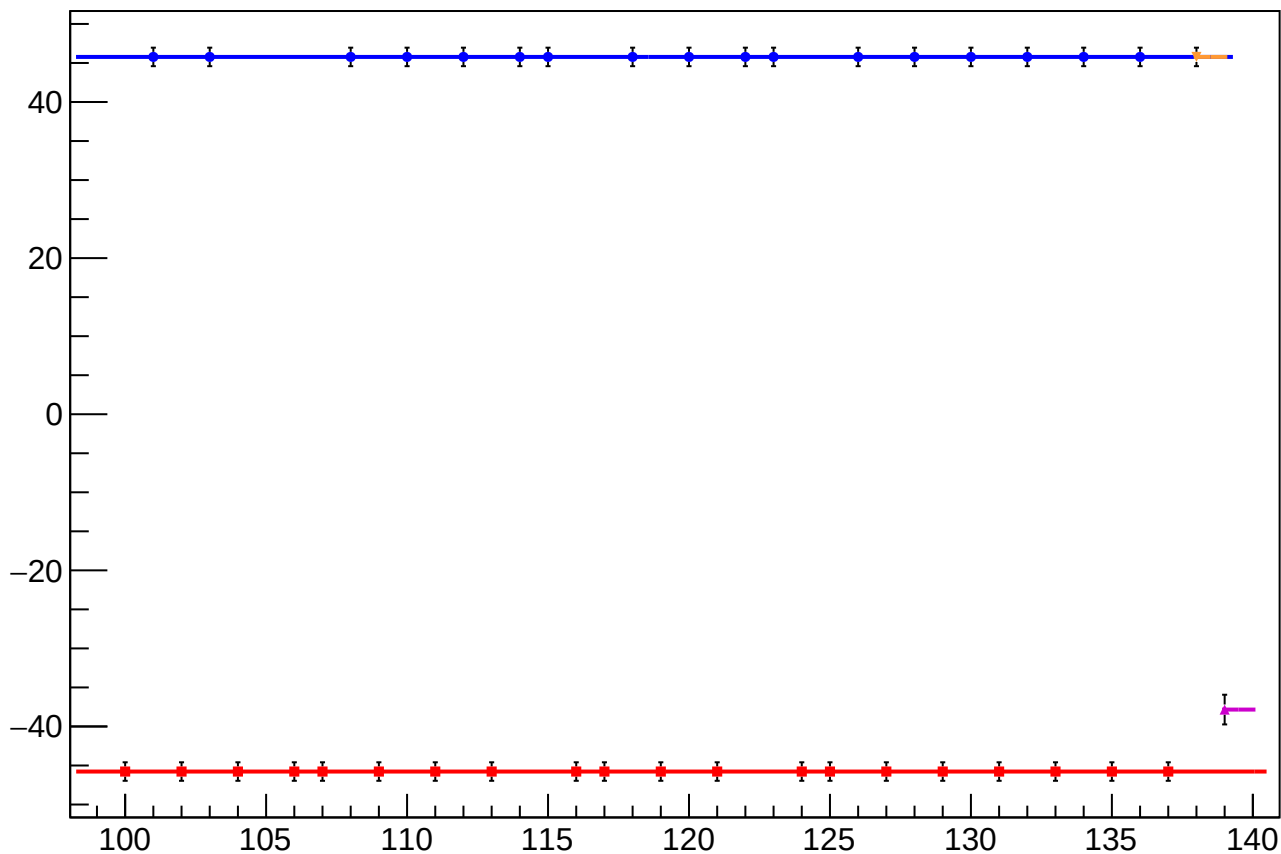
Left In: 87.500±1.183 χ^2/NDF : 0.0/0

-58.103±0.270 χ^2/NDF : 0.0/17

5.097±0.184 χ^2/NDF : 102146.2/38

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: 45.775 $\pm$ 1.186 χ^2 /NDF: 0.0/0

Right Out: -45.775 $\pm$ 0.265 χ^2 /NDF: 0.0/19

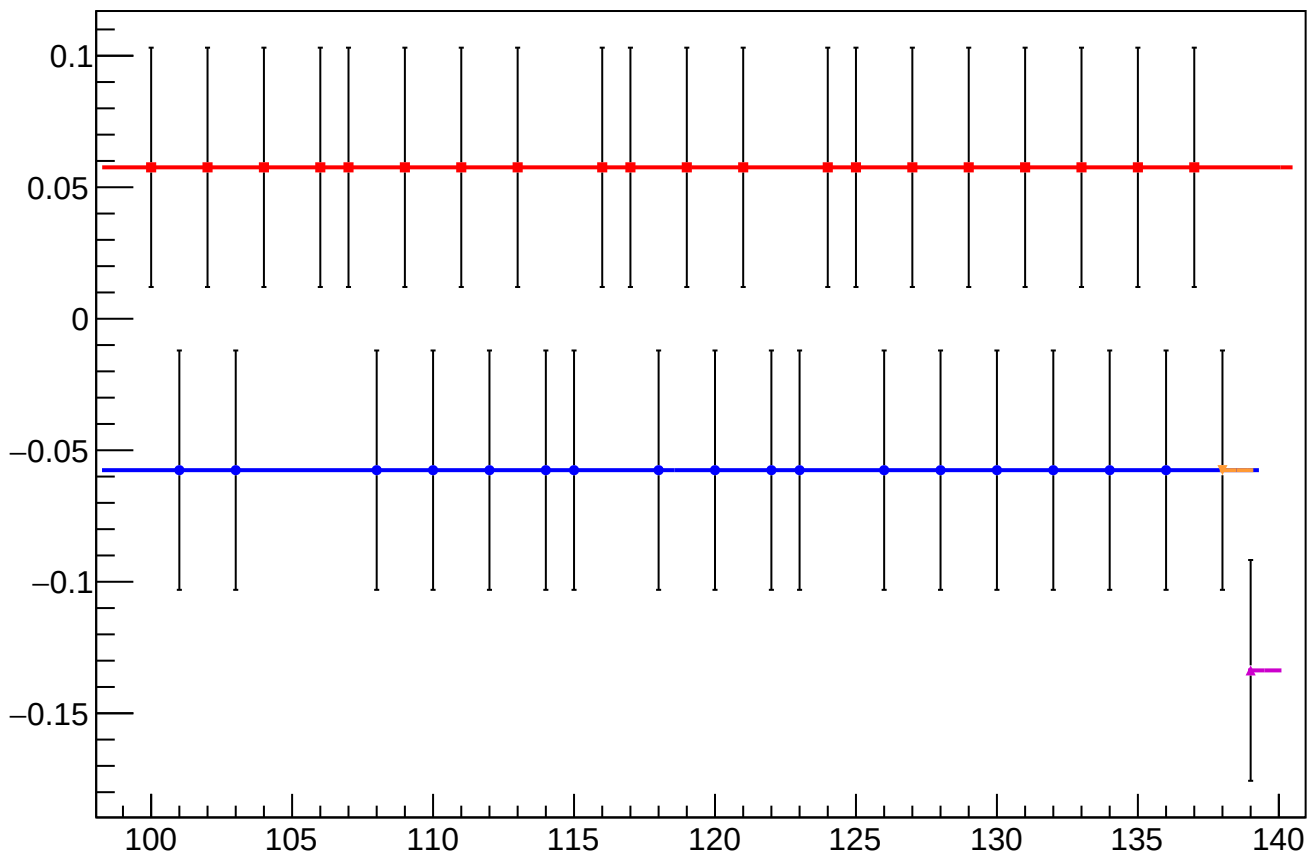
Left In: -37.836 $\pm$ 1.902 χ^2 /NDF: 0.0/0

45.775 $\pm$ 0.279 χ^2 /NDF: 0.0/17

-2.768 $\pm$ 0.191 χ^2 /NDF: 56824.2/38

-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 $\pm$ 0.011 χ^2 /NDF: 0.0/16

Left Out: -0.058 $\pm$ 0.045 χ^2 /NDF: 0.0/0

Right Out: 0.058 $\pm$ 0.010 χ^2 /NDF: 0.0/19

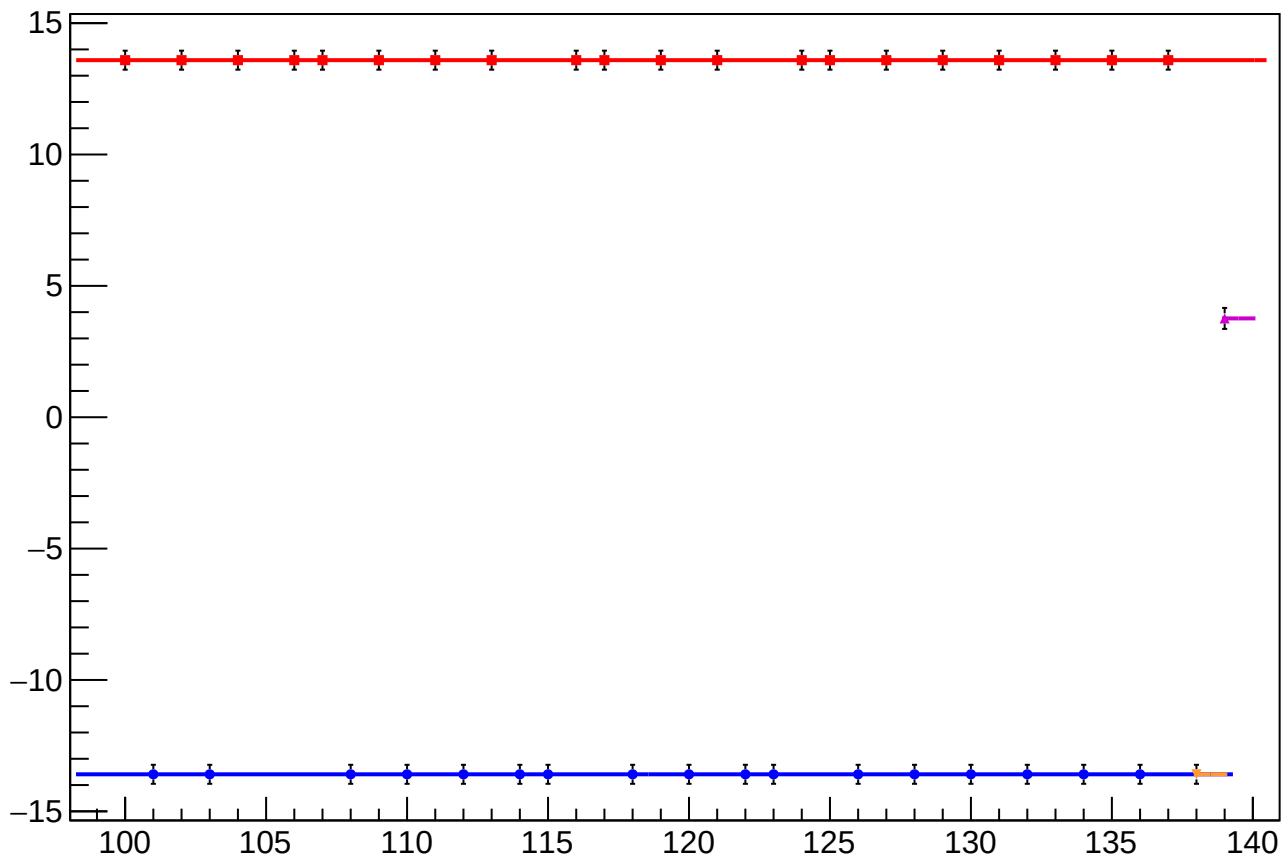
Left In: -0.134 $\pm$ 0.042 χ^2 /NDF: 0.0/0

-0.058 $\pm$ 0.011 χ^2 /NDF: 0.0/17

-0.001 $\pm$ 0.007 χ^2 /NDF: 71.0/38

0.047 $\pm$ 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: -13.591 $\pm$ 0.361 χ^2 /NDF: 0.0/0

Right Out: 13.591 $\pm$ 0.081 χ^2 /NDF: 0.0/19

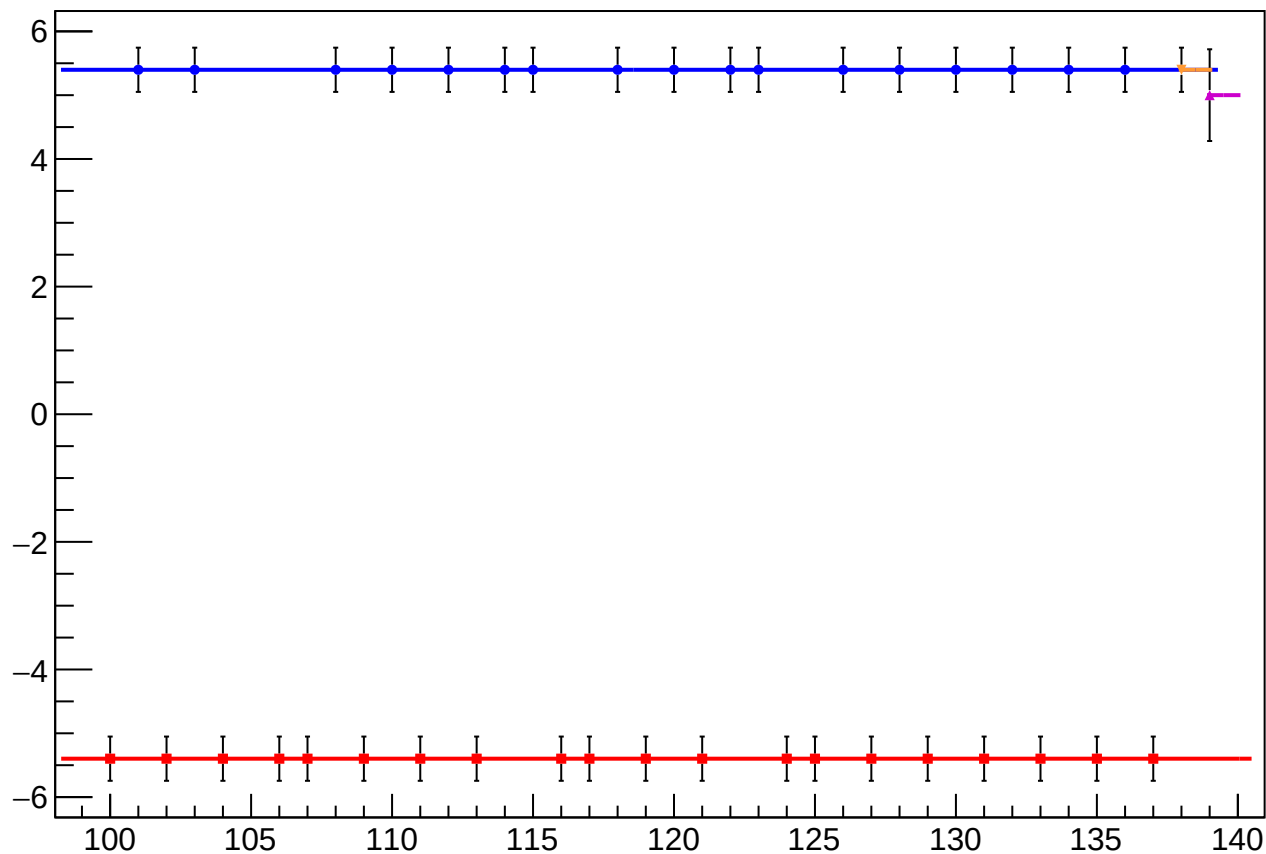
Left In: 3.761 $\pm$ 0.399 χ^2 /NDF: 0.0/0

-13.591 $\pm$ 0.085 χ^2 /NDF: 0.0/17

0.780 $\pm$ 0.058 χ^2 /NDF: 53627.4/38

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: 5.398 $\pm$ 0.347 χ^2/NDF : 0.0/0

Right Out: -5.398 $\pm$ 0.077 χ^2/NDF : 0.0/19

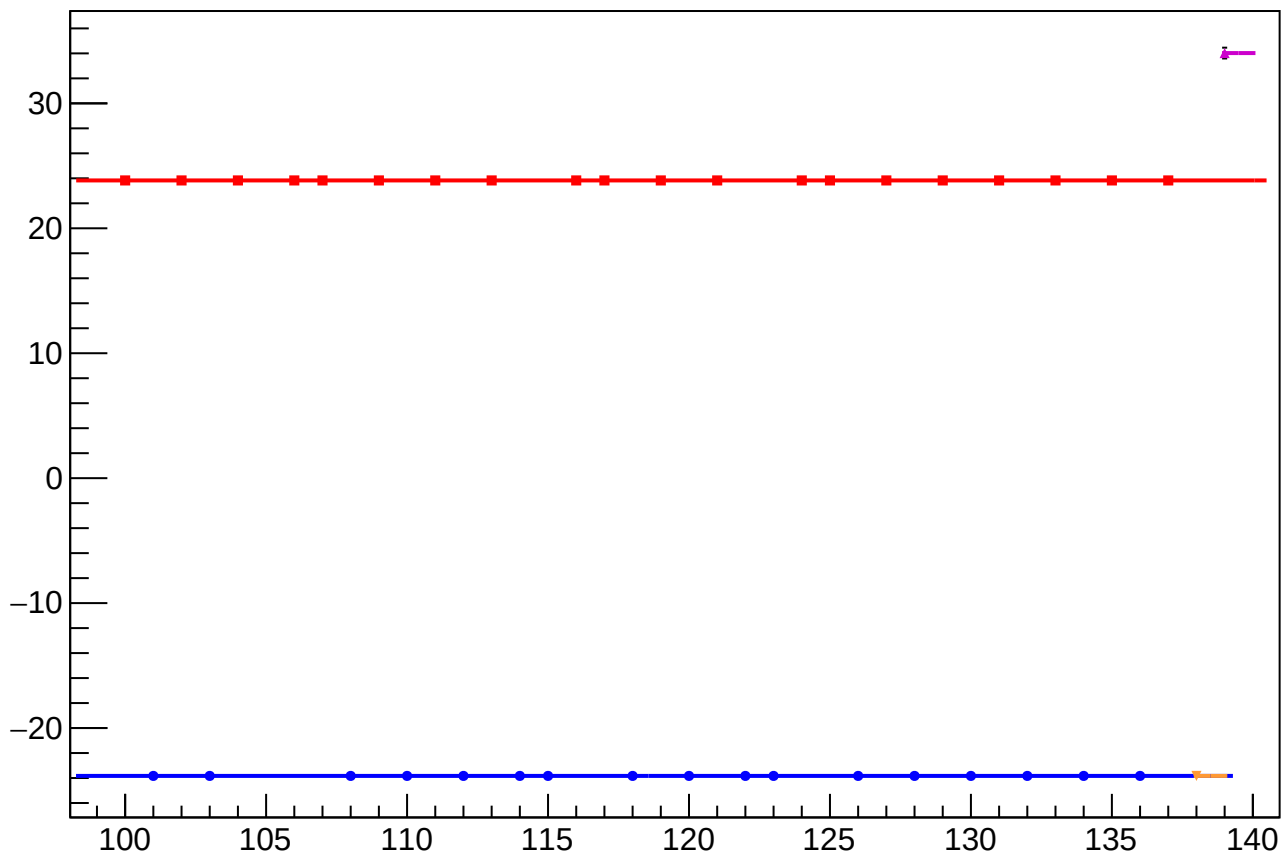
Left In: 5.000 $\pm$ 0.719 χ^2/NDF : 0.0/0

5.398 $\pm$ 0.082 χ^2/NDF : 0.0/17

-0.252 $\pm$ 0.056 χ^2/NDF : 9246.0/38

-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 ± 0.095 χ^2/NDF : 0.0/16

Left Out: -23.831 ± 0.392 χ^2/NDF : 0.0/0

Right Out: 23.831 ± 0.088 χ^2/NDF : 0.0/19

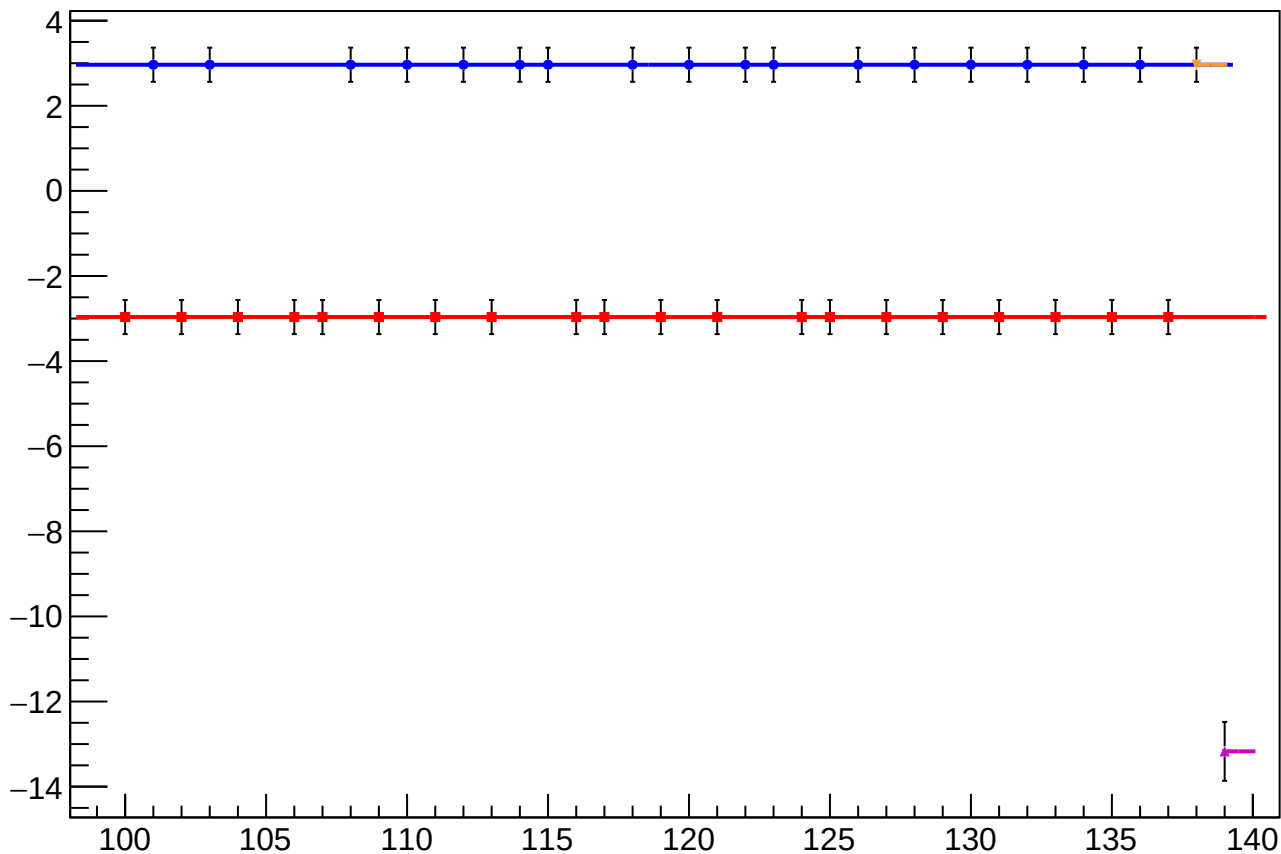
Left In: 34.025 ± 0.432 χ^2/NDF : 0.0/0

-23.831 ± 0.092 χ^2/NDF : 0.0/17

1.947 ± 0.063 χ^2/NDF : 145883.3/38

24.233 ± 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: 2.964 $\pm$ 0.401 χ^2 /NDF: 0.0/0

Right Out: -2.964 $\pm$ 0.090 χ^2 /NDF: 0.0/19

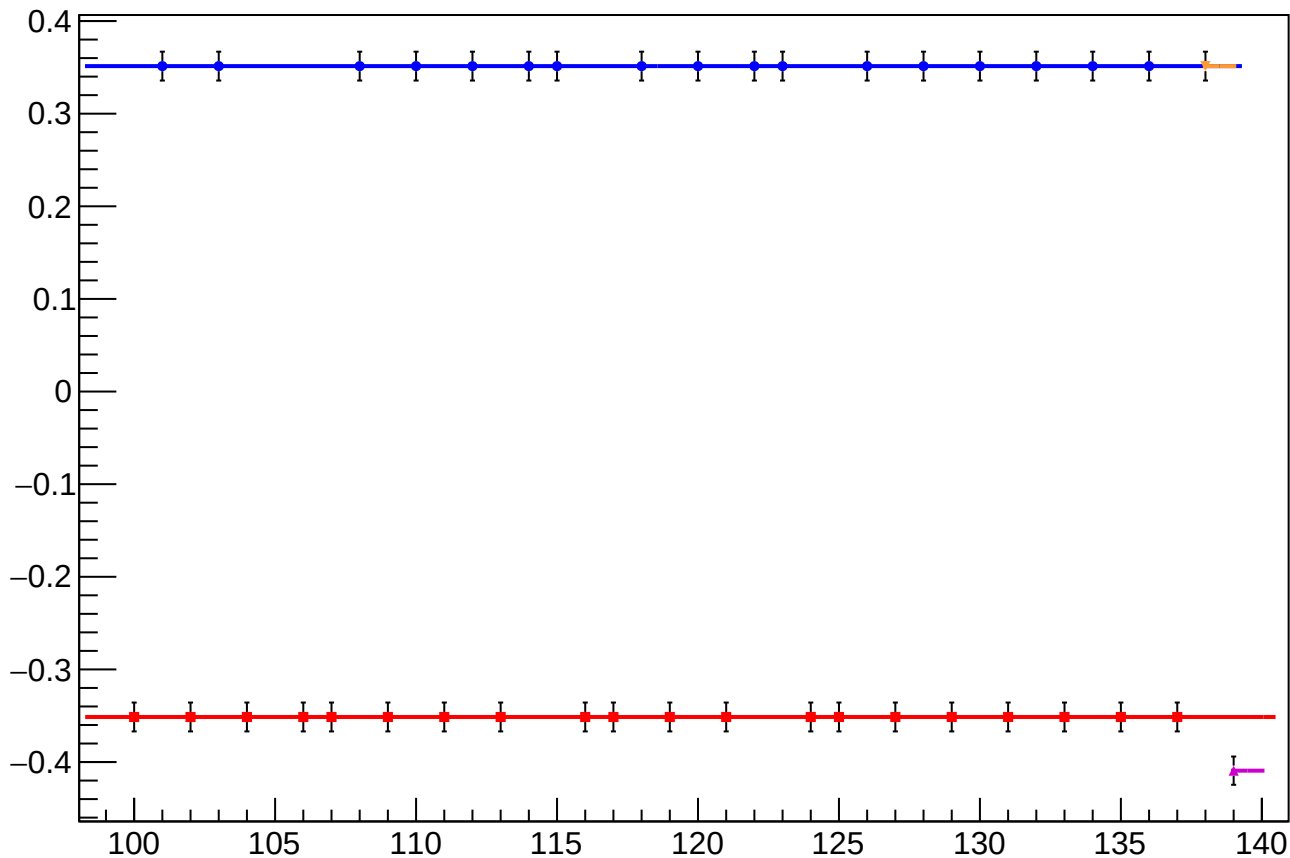
Left In: -13.171 $\pm$ 0.692 χ^2 /NDF: 0.0/0

2.964 $\pm$ 0.095 χ^2 /NDF: 0.0/17

-0.270 $\pm$ 0.065 χ^2 /NDF: 2418.9/38

-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: 0.351+/-0.016 χ^2 /NDF:0.0/0

Right Out: -0.351+/-0.003 χ^2 /NDF: 0.0/19

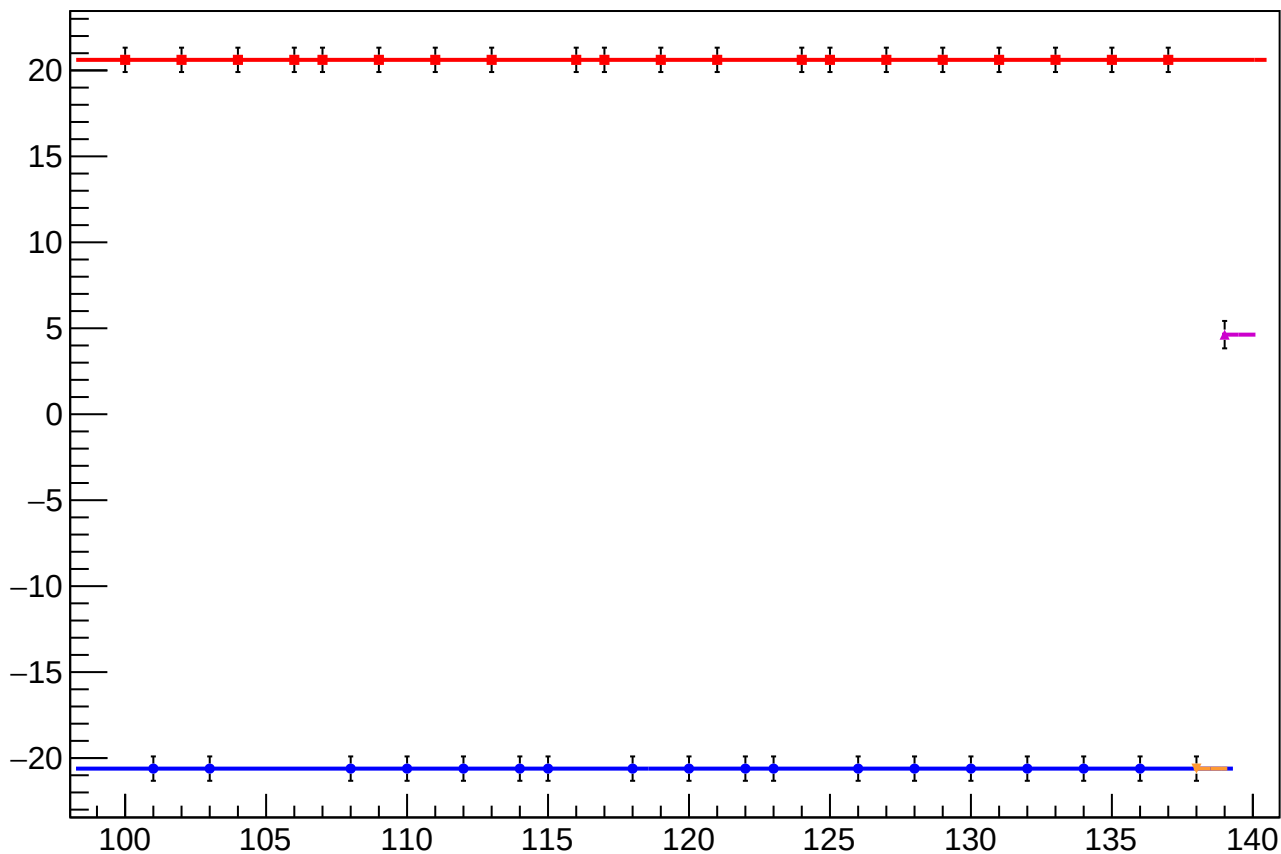
Left In: -0.409+/-0.015 χ^2 /NDF:0.0/0

0.351+/-0.004 χ^2 /NDF: 0.0/17

-0.029+/-0.002 χ^2 /NDF: 19889.5/38

-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: -20.614 +/- 0.709 χ^2/NDF : 0.0/0

Right Out: 20.614 +/- 0.158 χ^2/NDF : 0.0/19

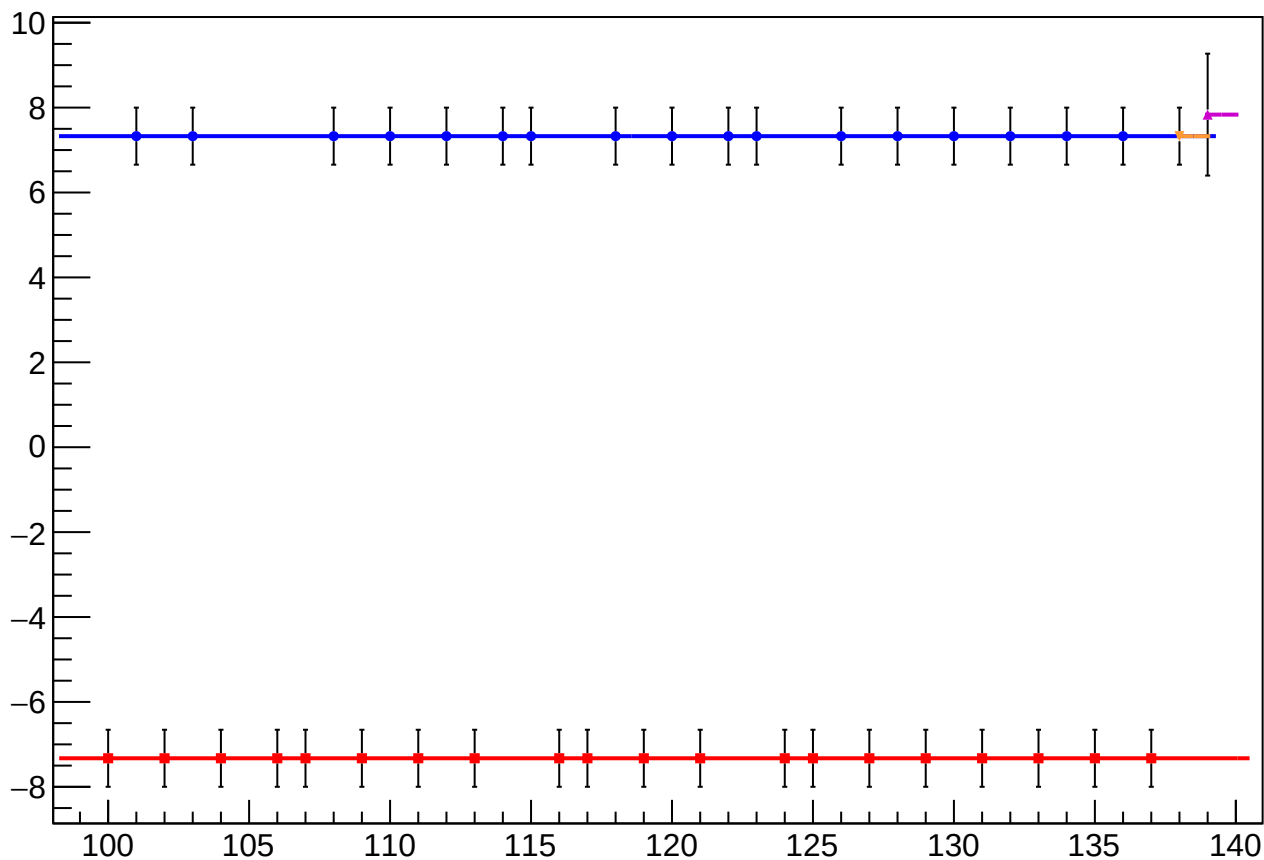
Left In: 4.629 +/- 0.797 χ^2/NDF : 0.0/0

-20.614 +/- 0.167 χ^2/NDF : 0.0/17

1.157 +/- 0.114 χ^2/NDF : 32076.1/38

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: 7.327 $\pm$ 0.672 χ^2/NDF : 0.0/0

Right Out: -7.327 $\pm$ 0.150 χ^2/NDF : 0.0/19

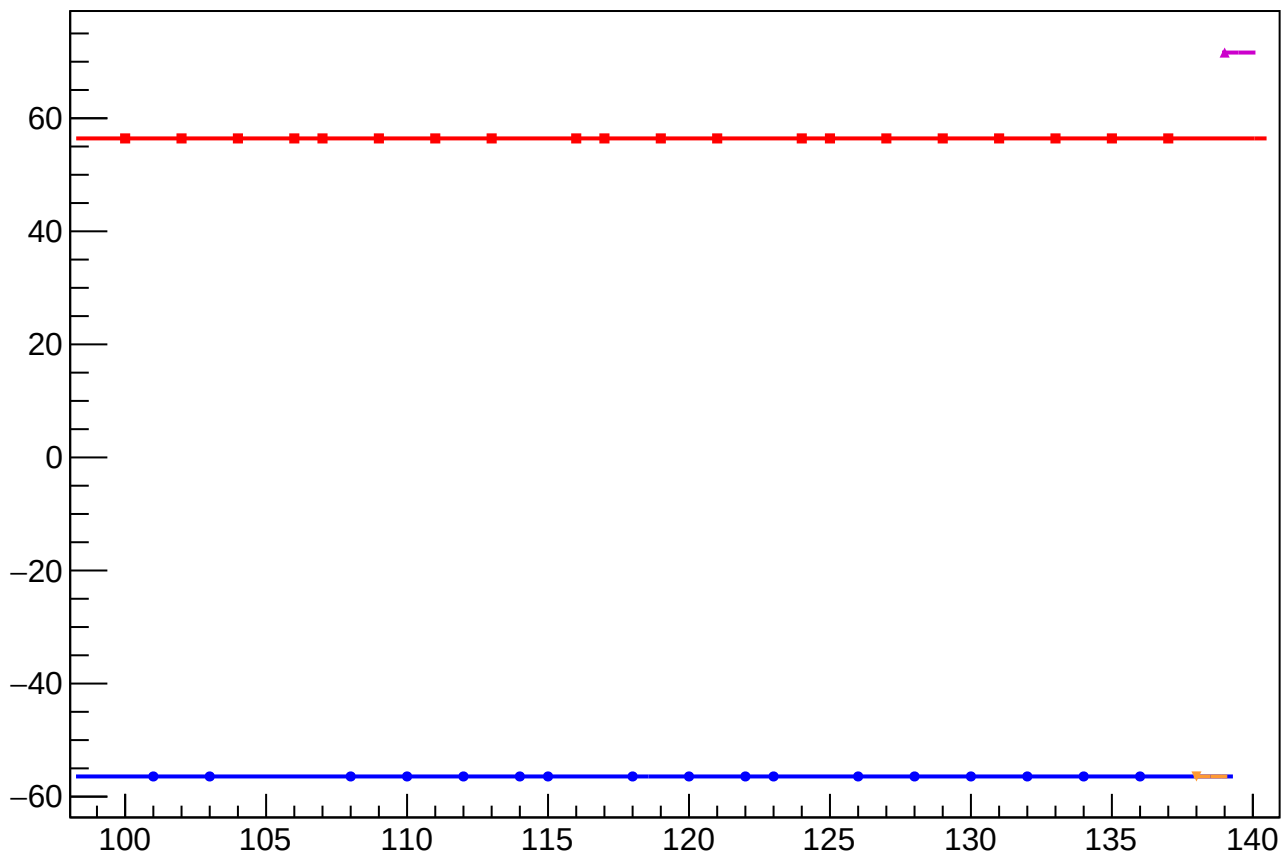
Left In: 7.835 $\pm$ 1.436 χ^2/NDF : 0.0/0

7.327 $\pm$ 0.158 χ^2/NDF : 0.0/17

-0.339 $\pm$ 0.109 χ^2/NDF : 4540.2/38

-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: -56.432 ± 0.768 χ^2/NDF : 0.0/0

Right Out: 56.432 ± 0.172 χ^2/NDF : 0.0/19

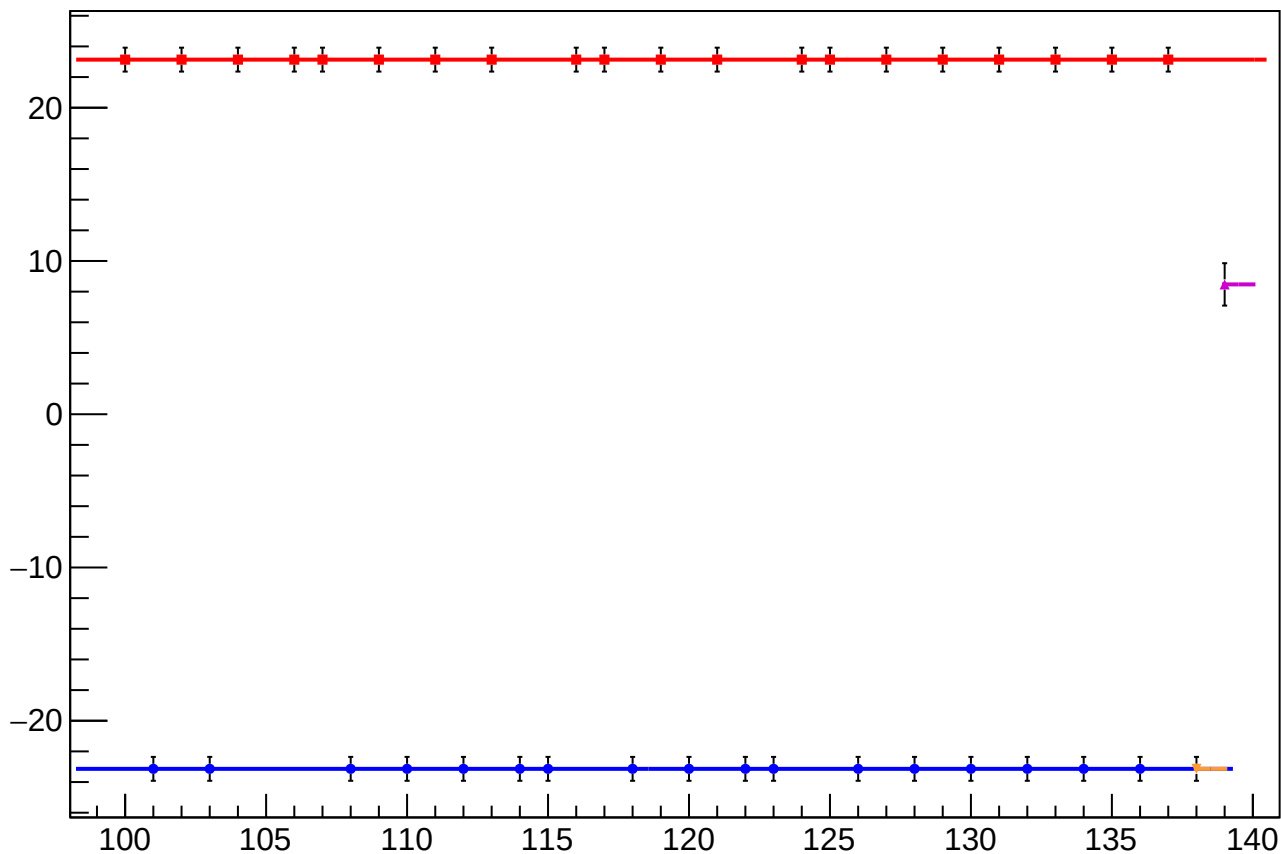
Left In: 71.621 ± 0.863 χ^2/NDF : 0.0/0

-56.432 ± 0.181 χ^2/NDF : 0.0/17

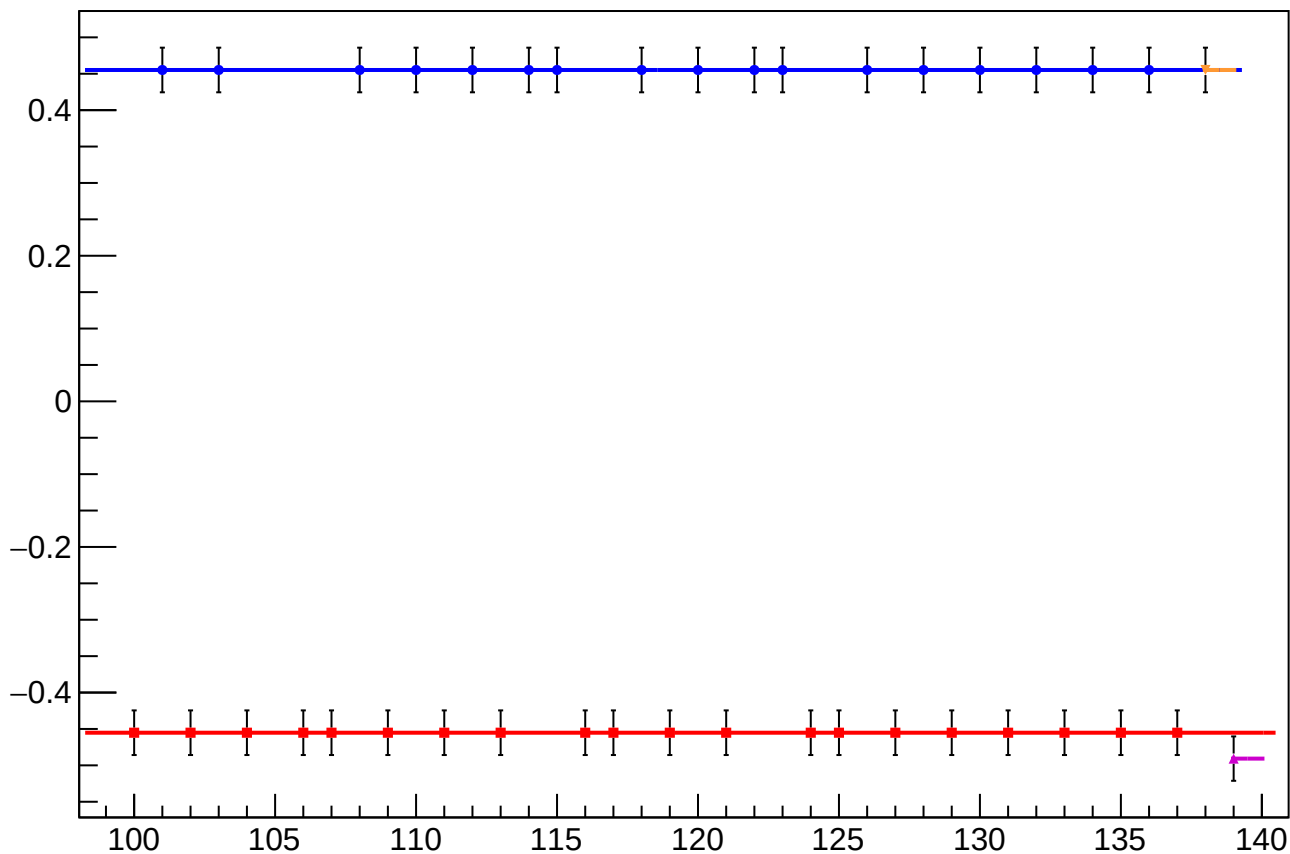
4.370 ± 0.123 χ^2/NDF : 210803.9/38

57.010 ± 0.168 χ^2/NDF : 297.7/20

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.455 $\pm$ 0.007 χ^2/NDF : 0.0/16

Left Out: 0.455 $\pm$ 0.031 χ^2/NDF : 0.0/0

Right Out: -0.455 $\pm$ 0.007 χ^2/NDF : 0.0/19

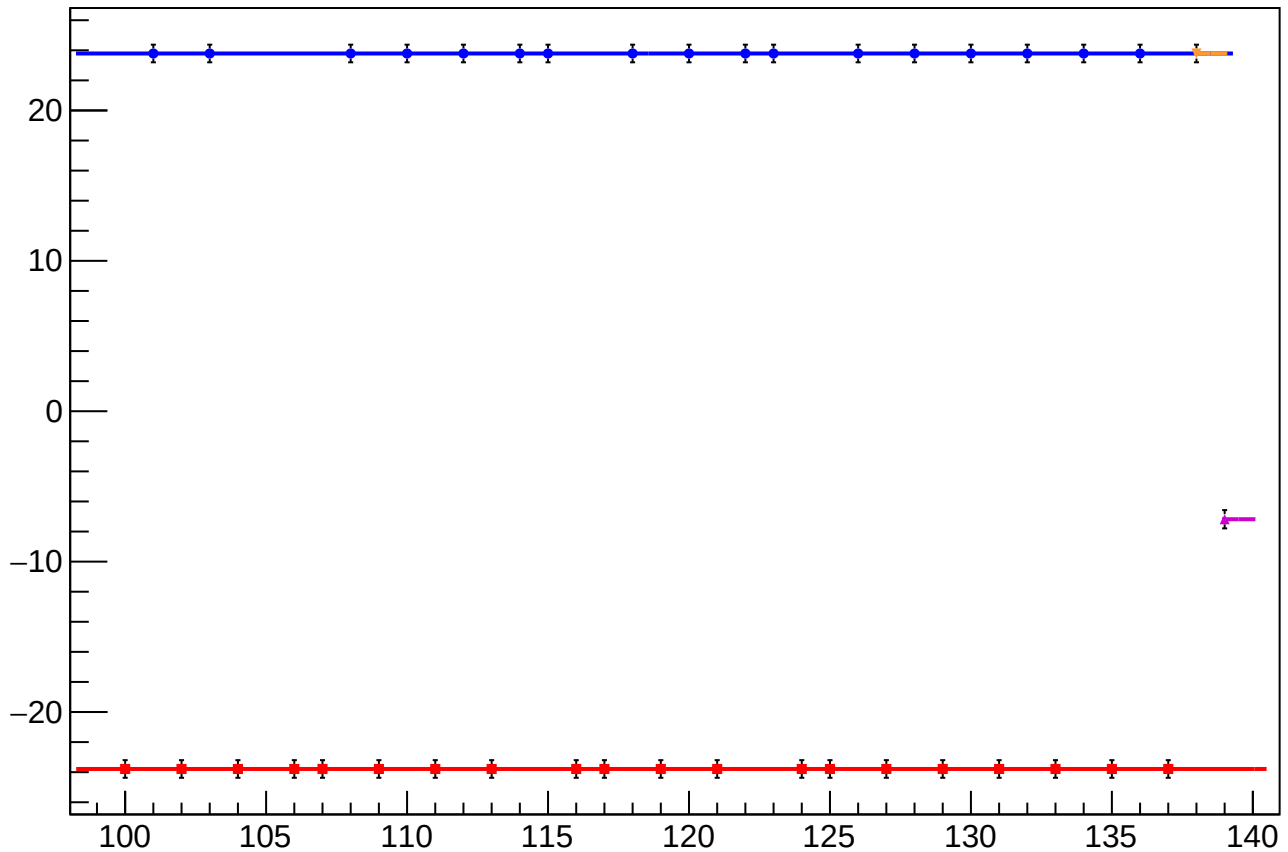
Left In: -0.491 $\pm$ 0.030 χ^2/NDF : 0.0/0

0.455 $\pm$ 0.007 χ^2/NDF : 0.0/17

-0.036 $\pm$ 0.005 χ^2/NDF : 8583.3/38

-0.457 $\pm$ 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+/-0.142 χ^2 /NDF: 0.0/16

Left Out: 23.788+/-0.587 χ^2 /NDF: 0.0/0

Right Out: -23.788+/-0.131 χ^2 /NDF: 0.0/19

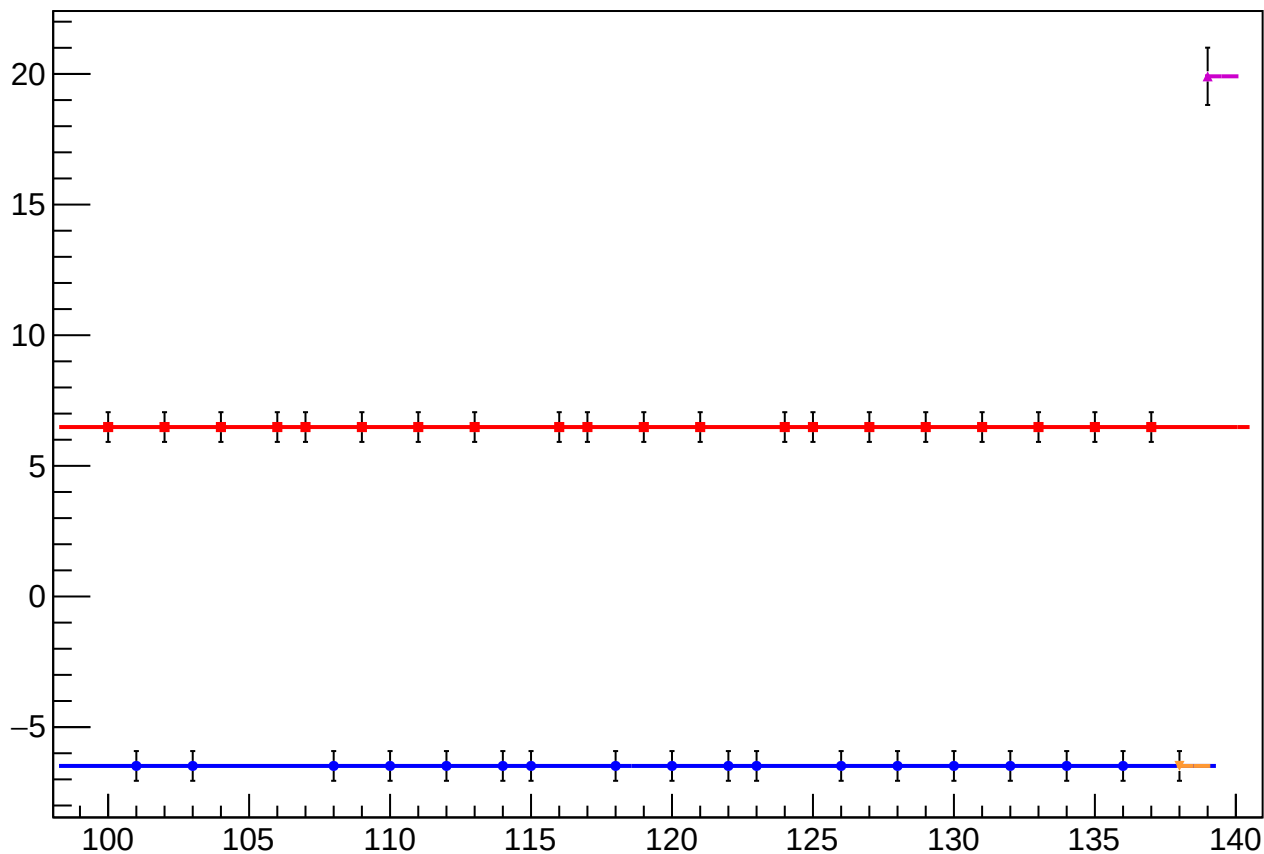
Left In: -7.181+/-0.607 χ^2 /NDF: 0.0/0

23.788+/-0.138 χ^2 /NDF: 0.0/17

-1.394+/-0.094 χ^2 /NDF: 62403.7/38

-23.047+/-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: -6.485 ± 0.569 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 6.485 ± 0.127 $\chi^2/\text{NDF}: 0.0/19$

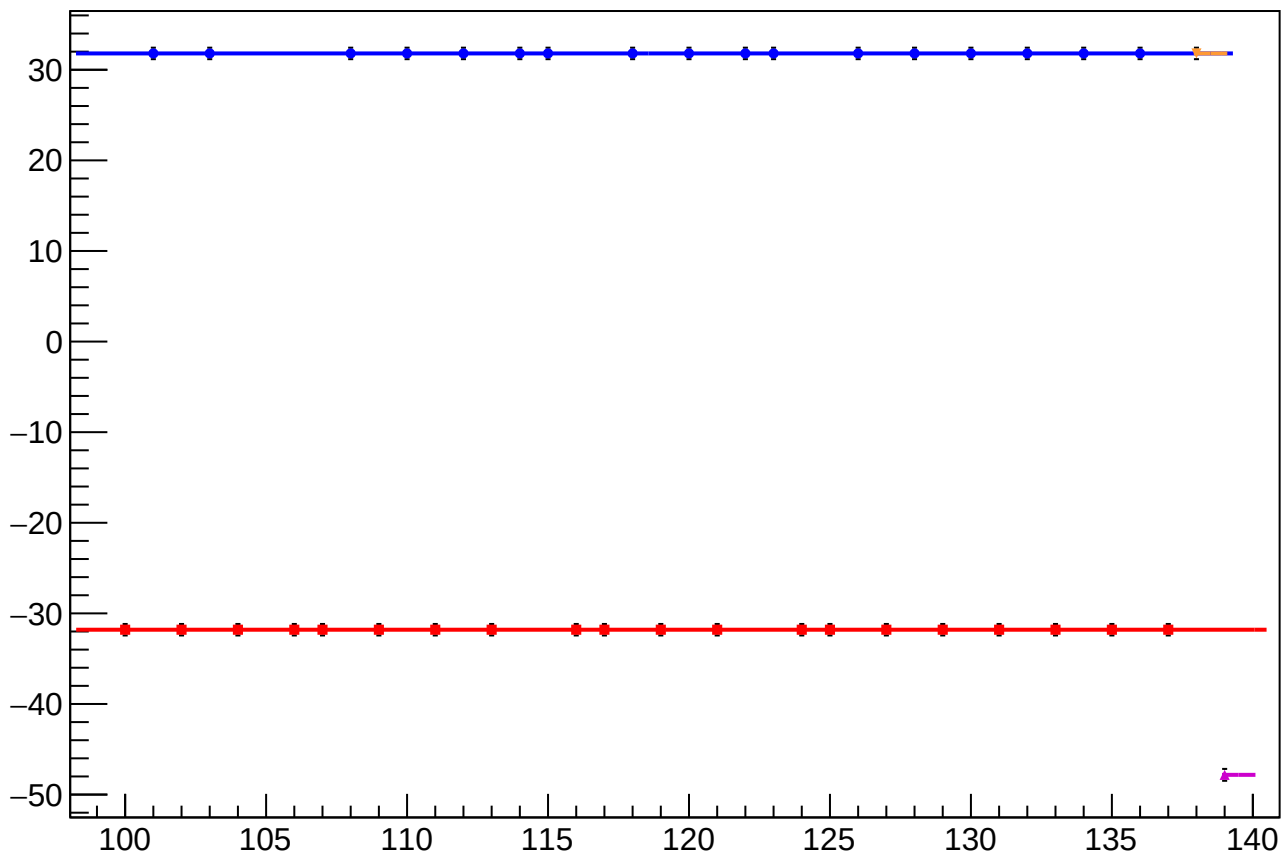
Left In: 19.909 ± 1.096 $\chi^2/\text{NDF}: 0.0/0$

-6.485 ± 0.134 $\chi^2/\text{NDF}: 0.0/17$

0.479 ± 0.092 $\chi^2/\text{NDF}: 5238.8/38$

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: 31.804 +/- 0.636 χ^2 /NDF: 0.0/0

Right Out: -31.804 +/- 0.142 χ^2 /NDF: 0.0/19

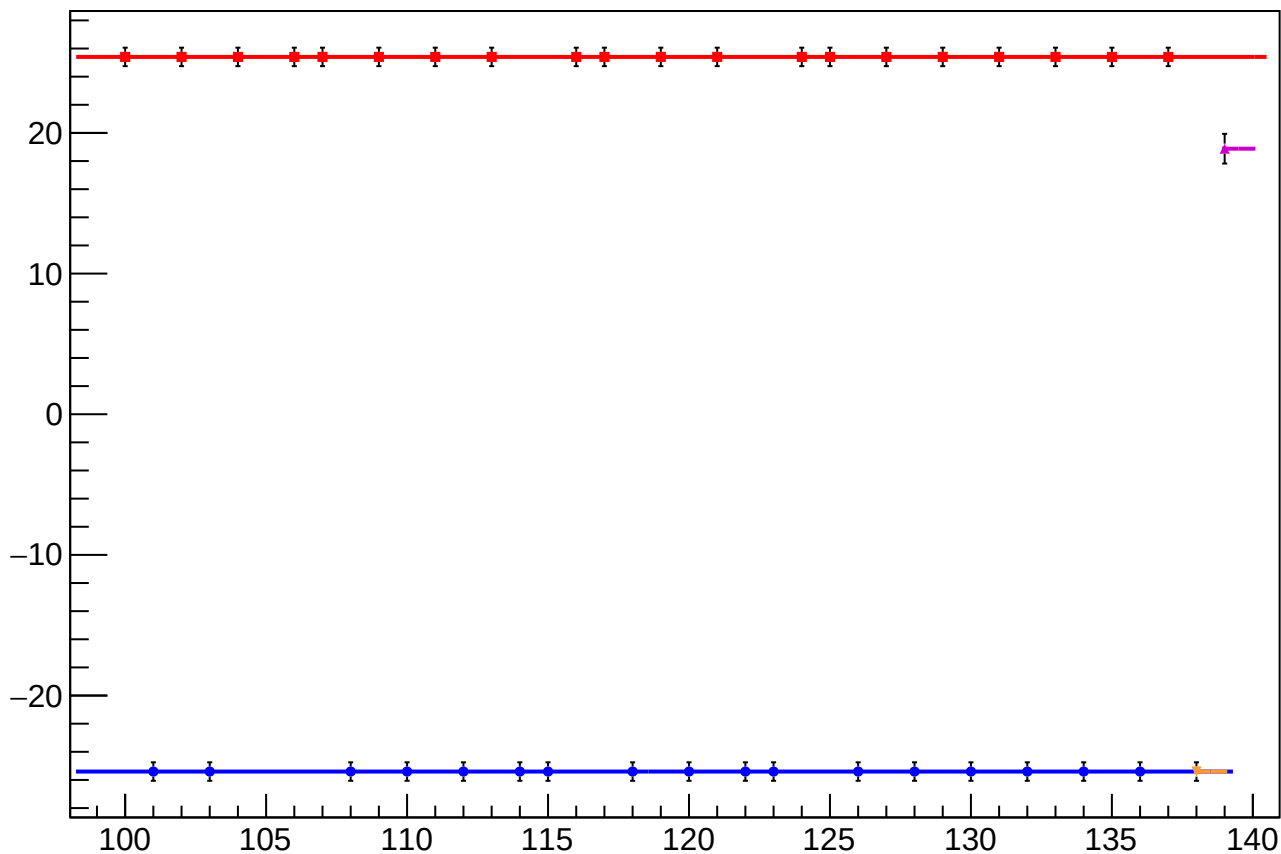
Left In: -47.822 +/- 0.657 χ^2 /NDF: 0.0/0

31.804 +/- 0.150 χ^2 /NDF: 0.0/17

-2.784 +/- 0.102 χ^2 /NDF: 99656.8/38

-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 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -25.404 ± 0.657 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 25.404 ± 0.147 $\chi^2/\text{NDF}: 0.0/19$

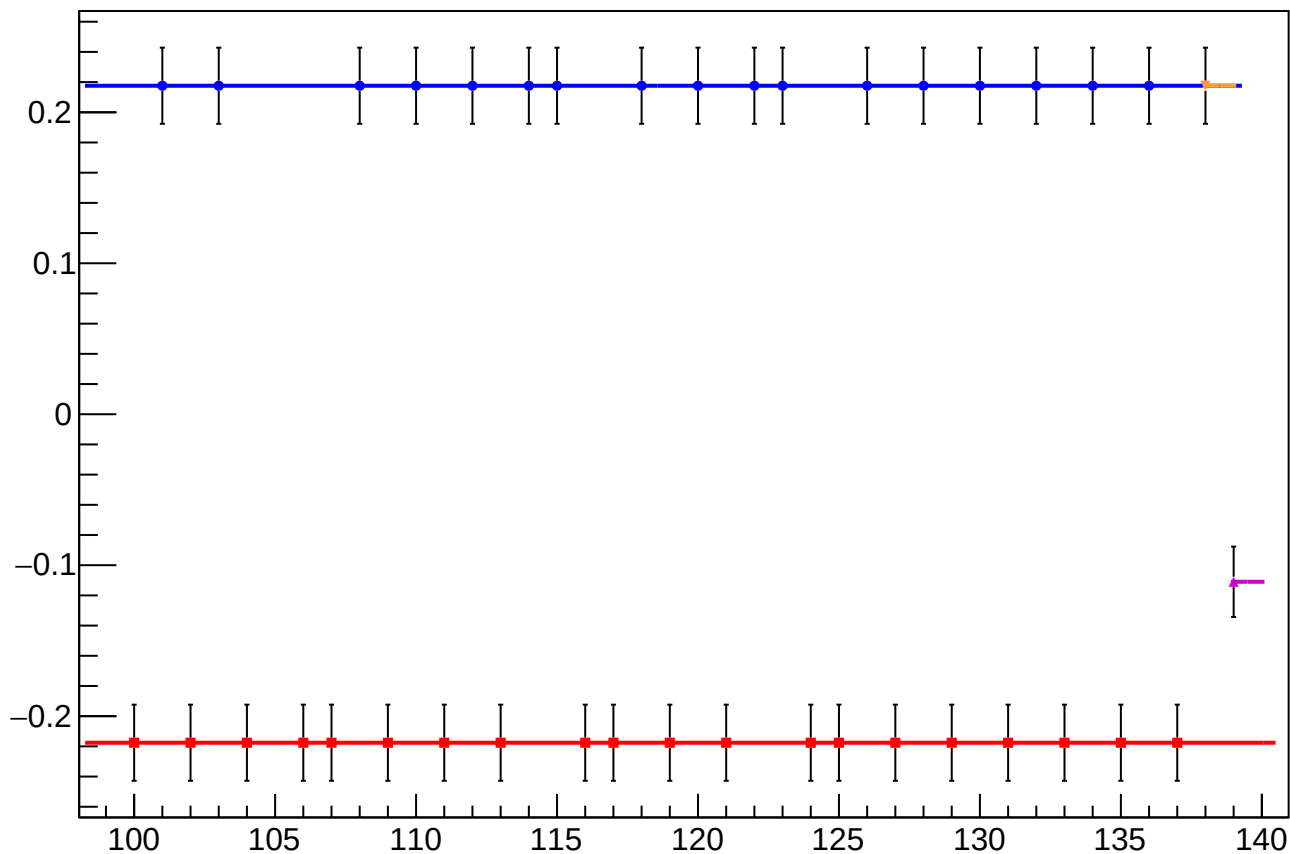
Left In: 18.879 ± 1.056 $\chi^2/\text{NDF}: 0.0/0$

-25.404 ± 0.155 $\chi^2/\text{NDF}: 0.0/17$

1.514 ± 0.106 $\chi^2/\text{NDF}: 56928.8/38$

25.280 ± 0.146 $\chi^2/\text{NDF}: 37.5/20$

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: 0.218 $\pm$ 0.025 χ^2/NDF : 0.0/0

Right Out: -0.218 $\pm$ 0.006 χ^2/NDF : 0.0/19

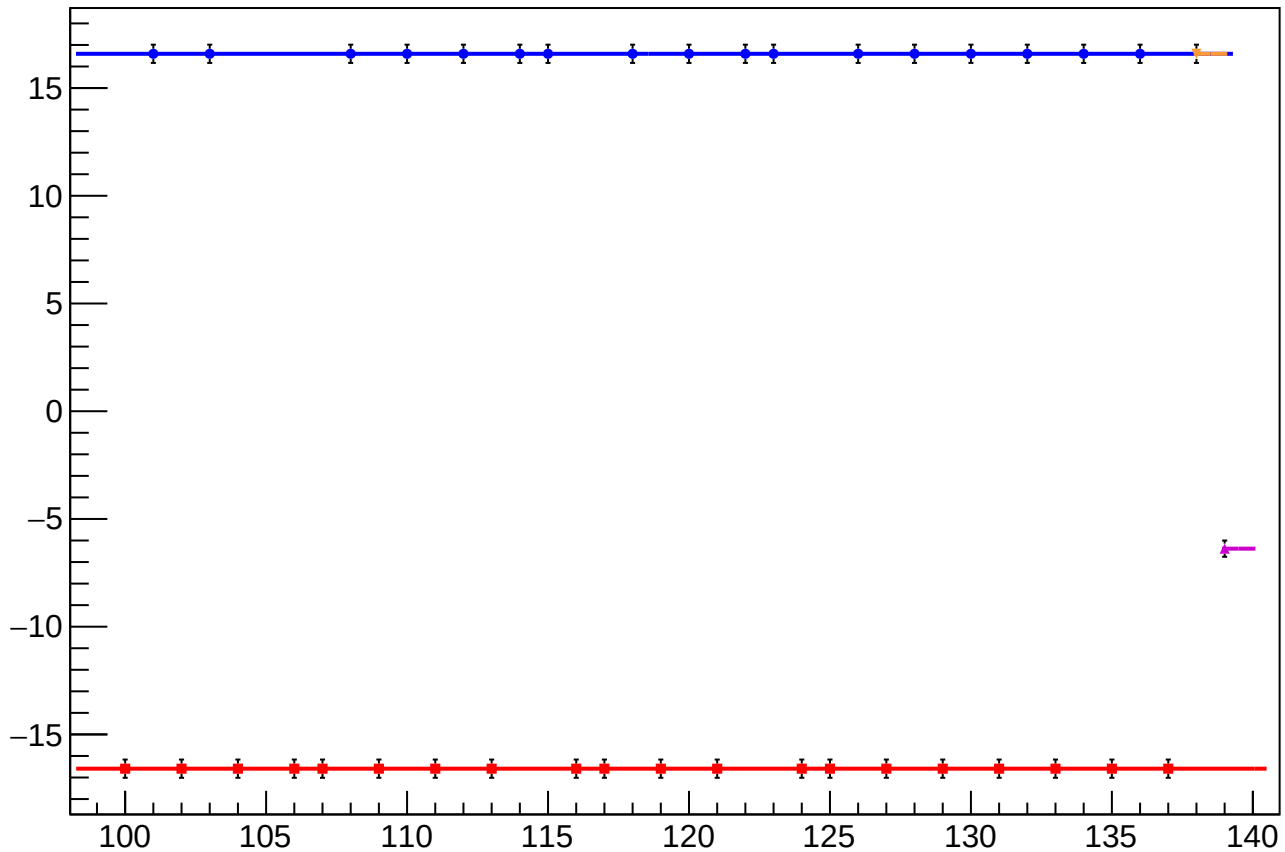
Left In: -0.111 $\pm$ 0.023 χ^2/NDF : 0.0/0

0.218 $\pm$ 0.006 χ^2/NDF : 0.0/17

-0.014 $\pm$ 0.004 χ^2/NDF : 2838.5/38

-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: 16.590 $\pm$ 0.424 χ^2/NDF : 0.0/0

Right Out: -16.590 $\pm$ 0.095 χ^2/NDF : 0.0/19

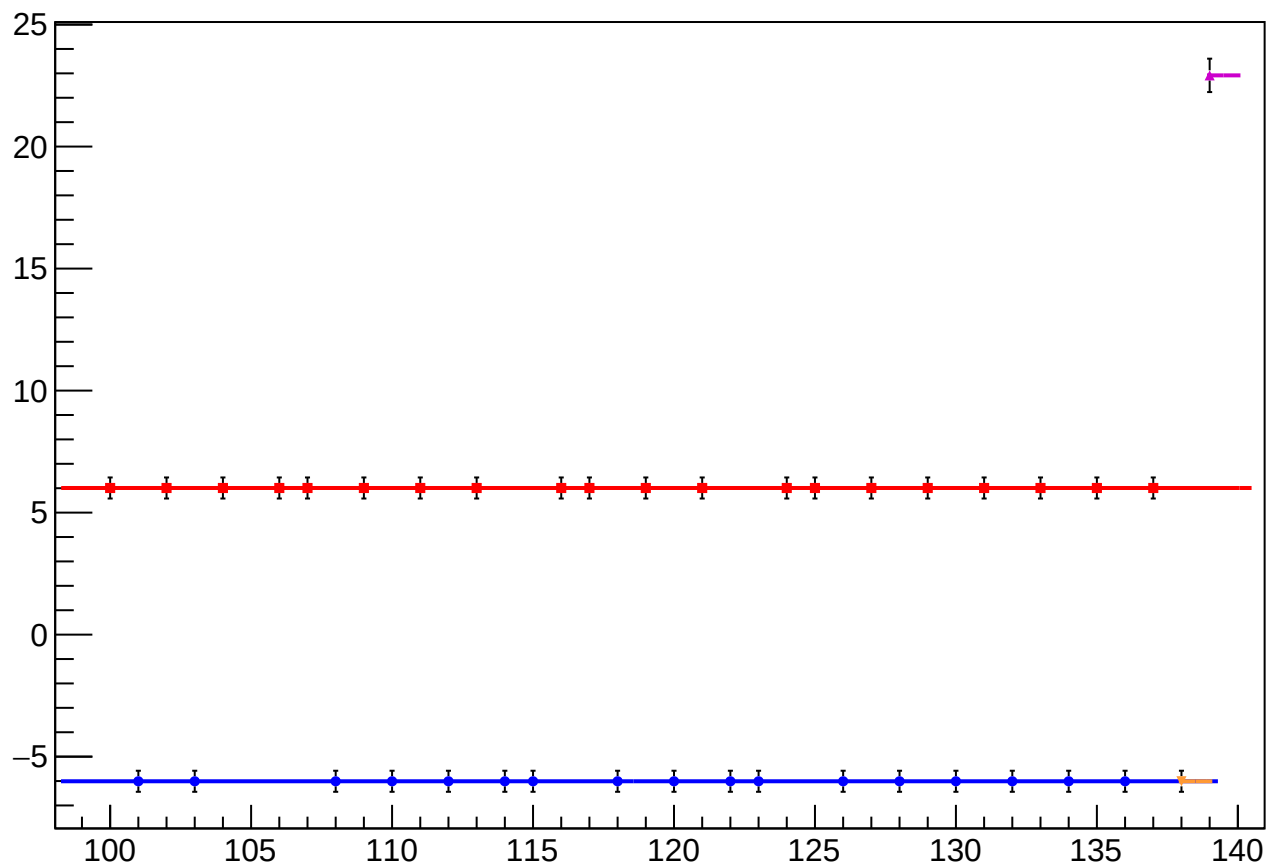
Left In: -6.378 $\pm$ 0.377 χ^2/NDF : 0.0/0

16.590 $\pm$ 0.100 χ^2/NDF : 0.0/17

-1.050 $\pm$ 0.068 χ^2/NDF : 58317.8/38

-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 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -6.009 ± 0.431 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 6.009 ± 0.096 $\chi^2/\text{NDF}: 0.0/19$

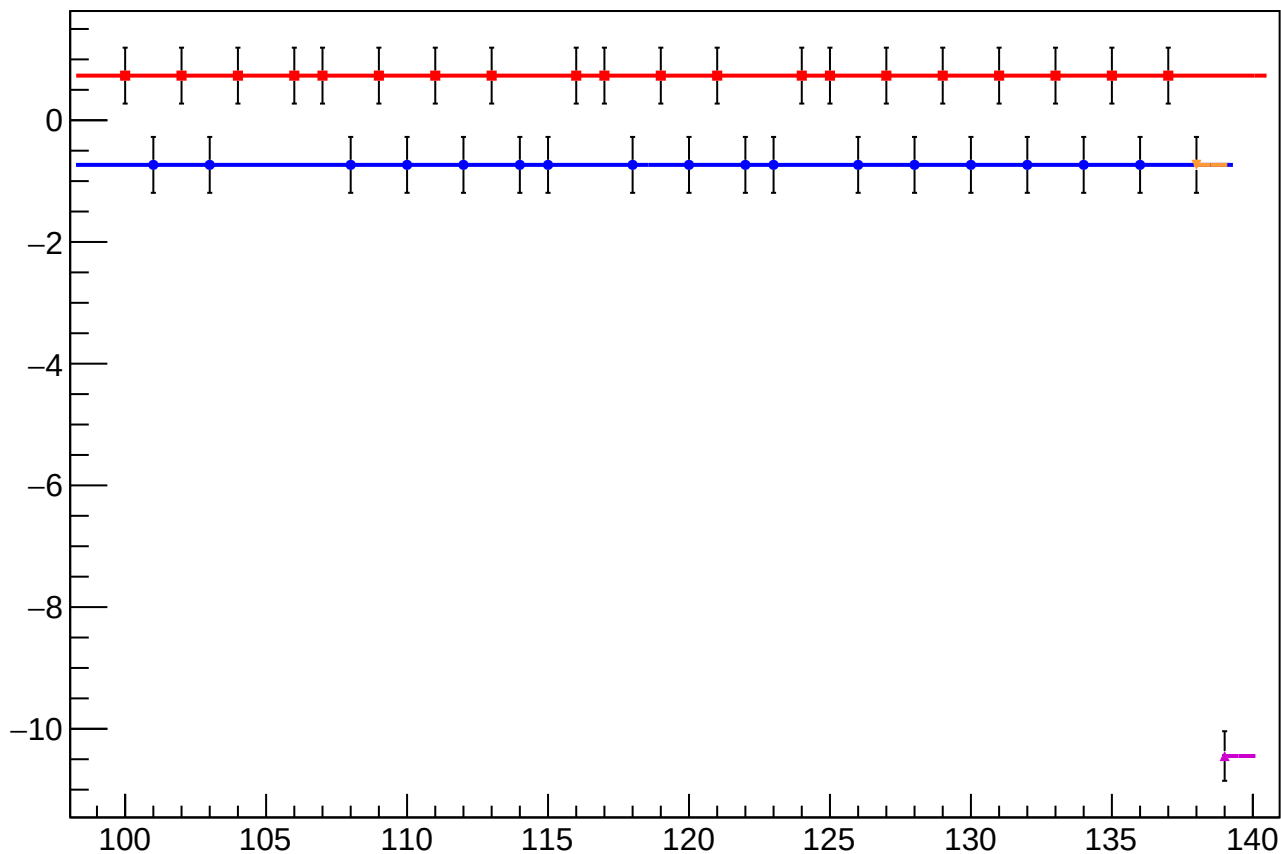
Left In: 22.918 ± 0.684 $\chi^2/\text{NDF}: 0.0/0$

-6.009 ± 0.102 $\chi^2/\text{NDF}: 0.0/17$

0.550 ± 0.070 $\chi^2/\text{NDF}: 8429.4/38$

6.339 ± 0.096 $\chi^2/\text{NDF}: 598.5/20$

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: -0.733 ± 0.459 χ^2/NDF : 0.0/0

Right Out: 0.733 ± 0.103 χ^2/NDF : 0.0/19

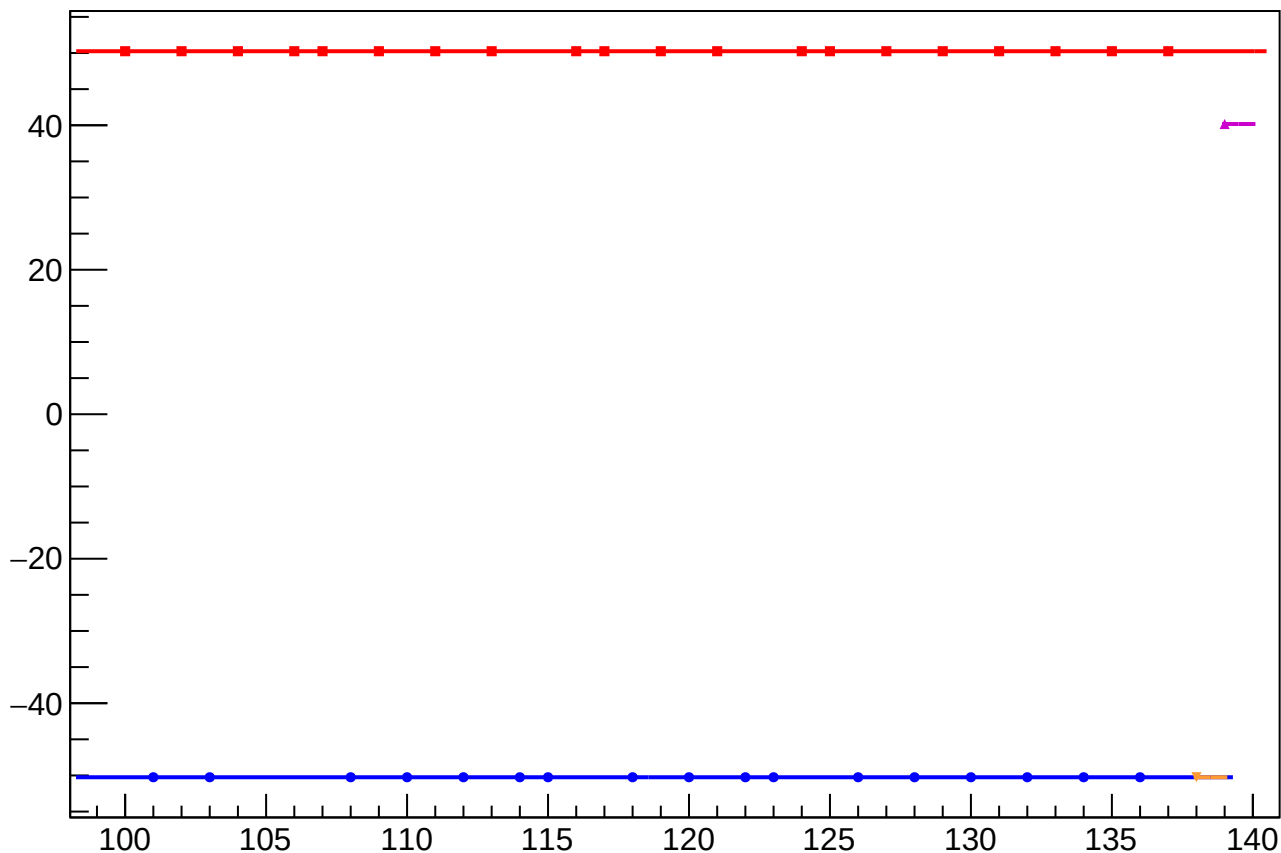
Left In: -10.447 ± 0.407 χ^2/NDF : 0.0/0

-0.733 ± 0.108 χ^2/NDF : 0.0/17

-0.301 ± 0.073 χ^2/NDF : 737.9/38

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: -50.248 $\pm$ 0.492 χ^2 /NDF: 0.0/0

Right Out: 50.248 $\pm$ 0.110 χ^2 /NDF: 0.0/19

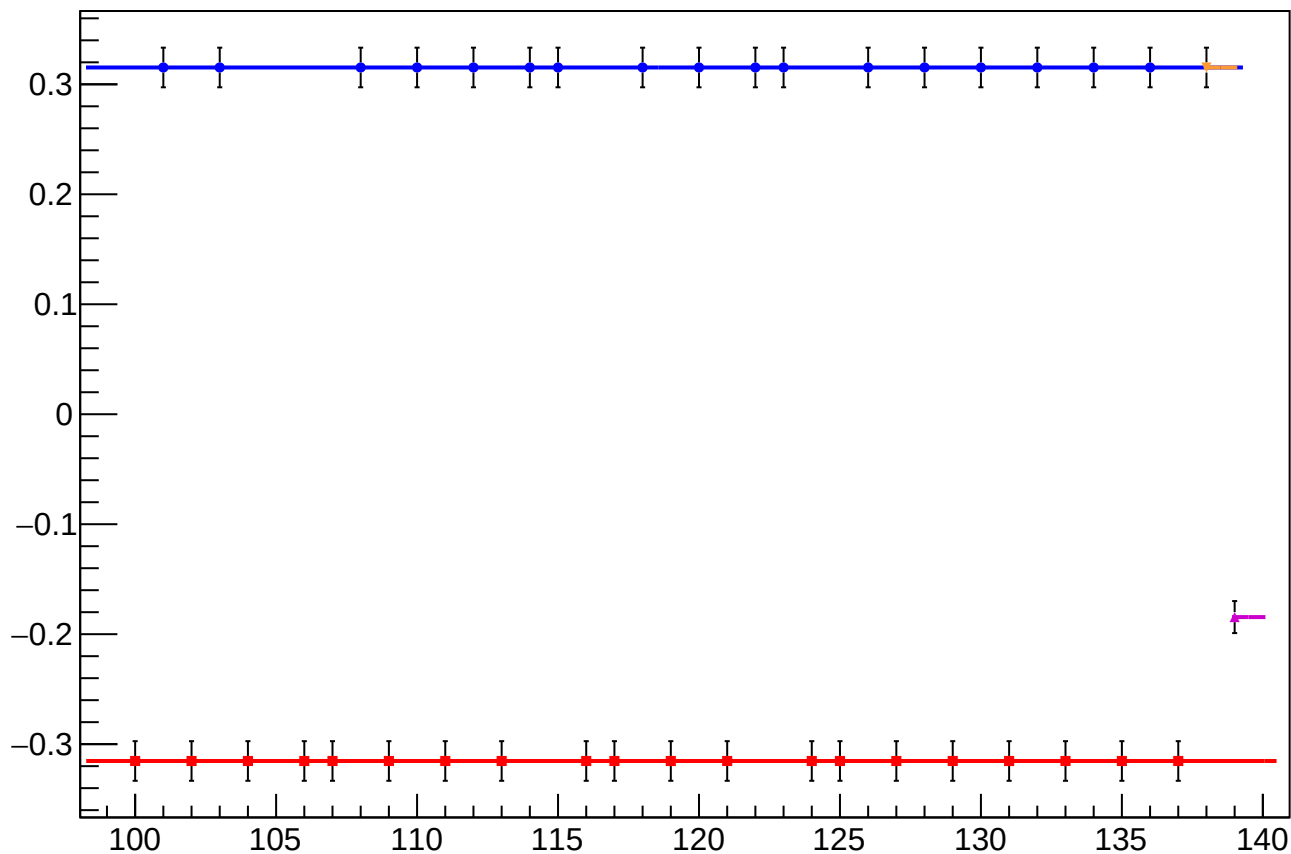
Left In: 40.172 $\pm$ 0.659 χ^2 /NDF: 0.0/0

-50.248 $\pm$ 0.116 χ^2 /NDF: 0.0/17

3.186 $\pm$ 0.079 χ^2 /NDF: 399058.6/38

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+/-0.004 χ^2/NDF : 0.0/16

Left Out: 0.315+/-0.018 χ^2/NDF : 0.0/0

Right Out: -0.315+/-0.004 χ^2/NDF : 0.0/19

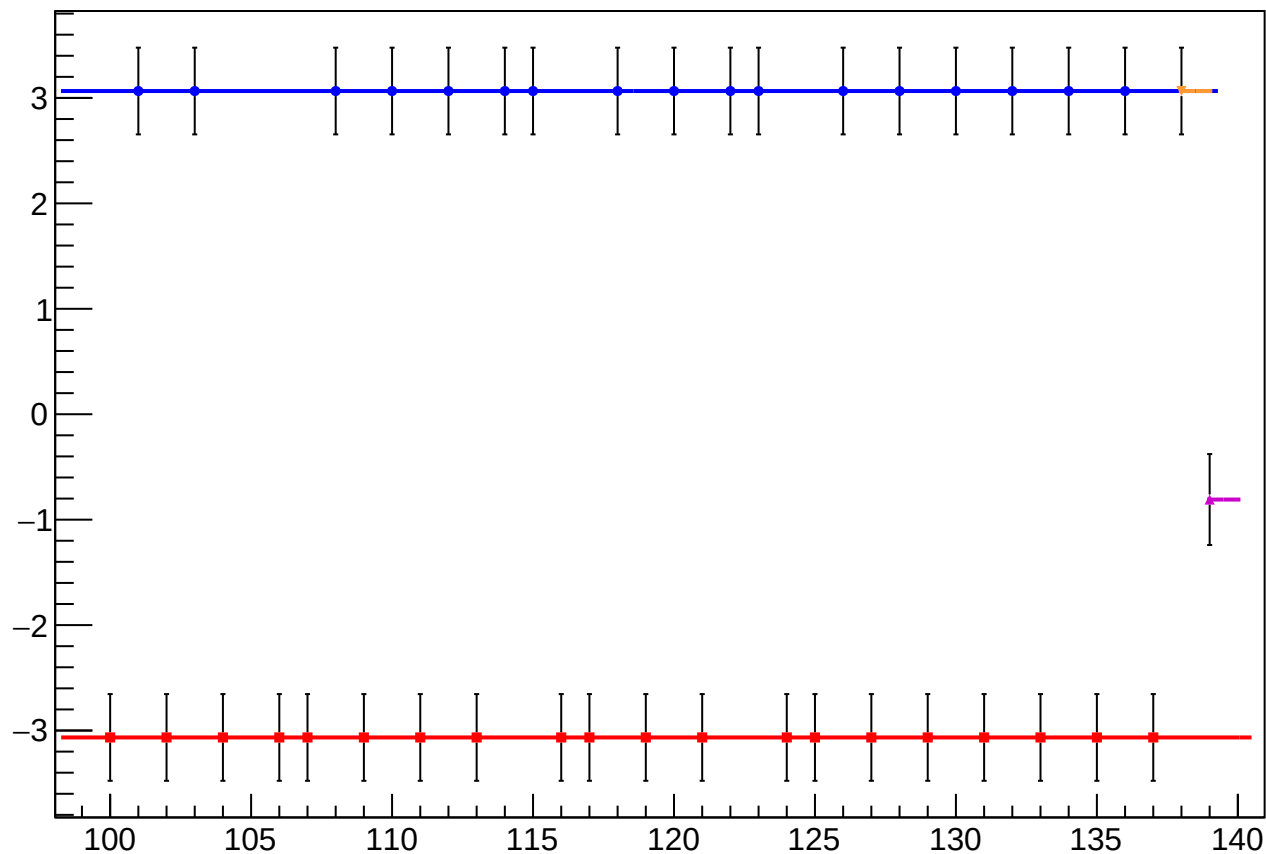
Left In: -0.184+/-0.015 χ^2/NDF : 0.0/0

0.315+/-0.004 χ^2/NDF : 0.0/17

-0.023+/-0.003 χ^2/NDF : 11733.5/38

-0.306+/-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: 3.066+/-0.411 χ^2/NDF : 0.0/0

Right Out: -3.066+/-0.092 χ^2/NDF : 0.0/19

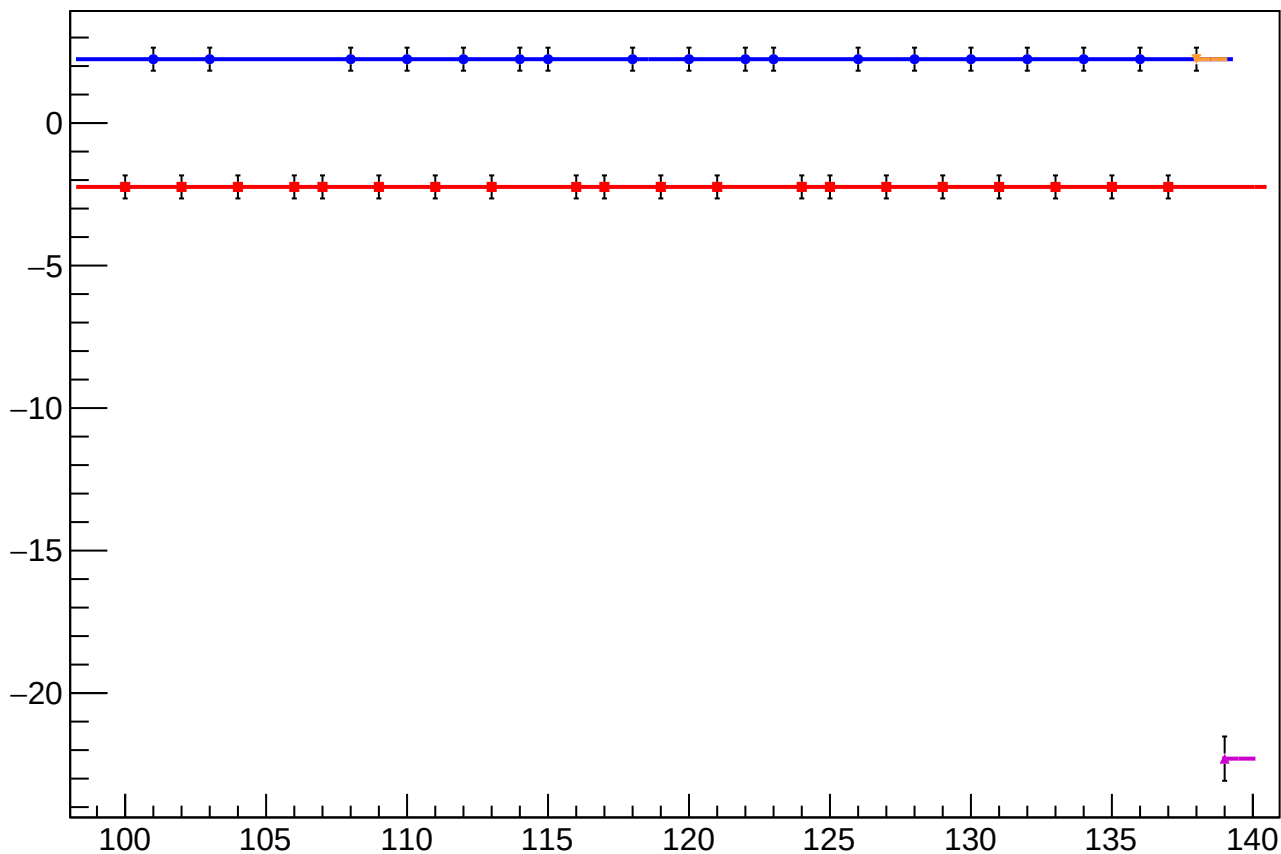
Left In: -0.809+/-0.431 χ^2/NDF : 0.0/0

3.066+/-0.097 χ^2/NDF : 0.0/17

-0.176+/-0.066 χ^2/NDF : 2108.1/38

-2.967+/-0.090 χ^2/NDF : 26.2/20

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

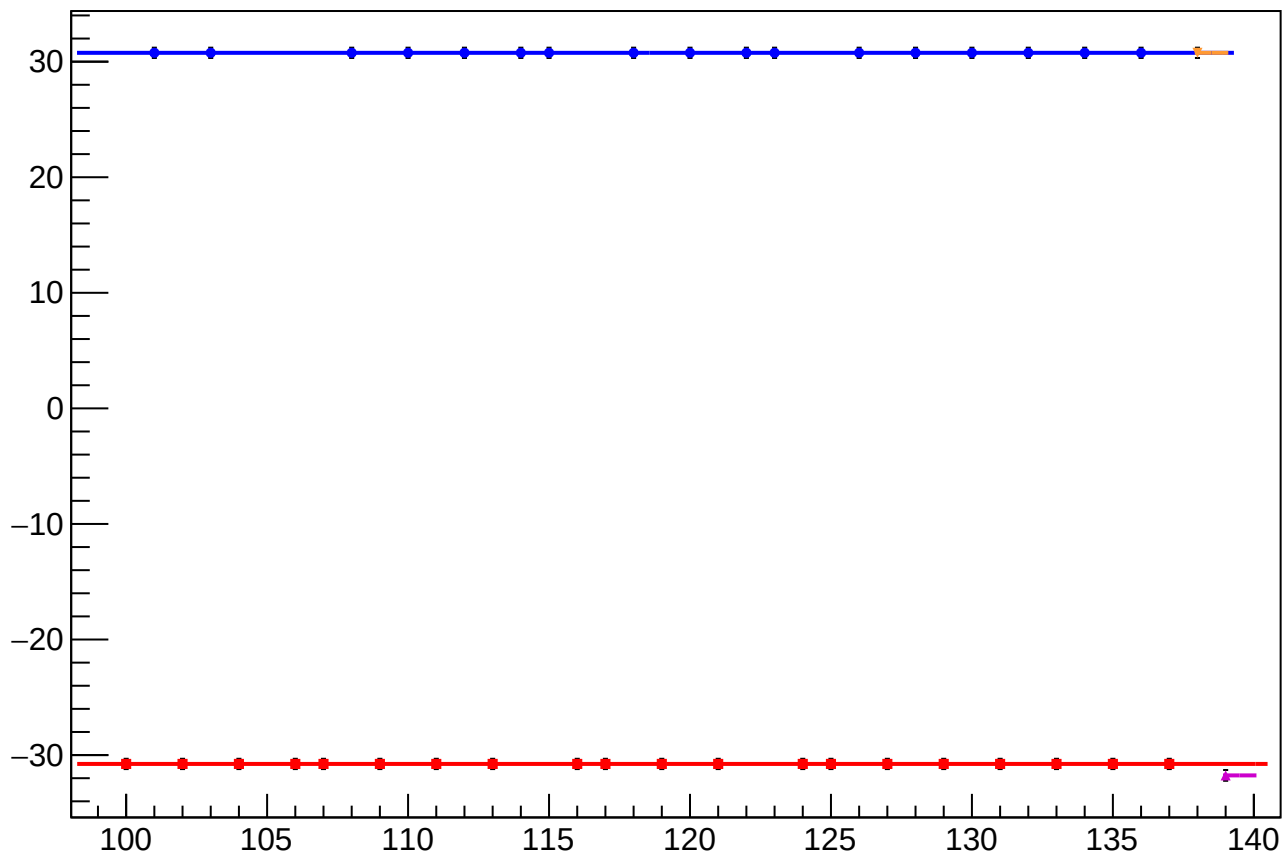


2.241 ± 0.095 $\chi^2/\text{NDF}: 0.0/17$

-0.275 ± 0.065 $\chi^2/\text{NDF}: 1973.4/38$

-2.508 ± 0.090 $\chi^2/\text{NDF}: 657.3/20$

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: 30.765+/-0.446 χ^2/NDF : 0.0/0

Right Out: -30.765+/-0.100 χ^2/NDF : 0.0/19

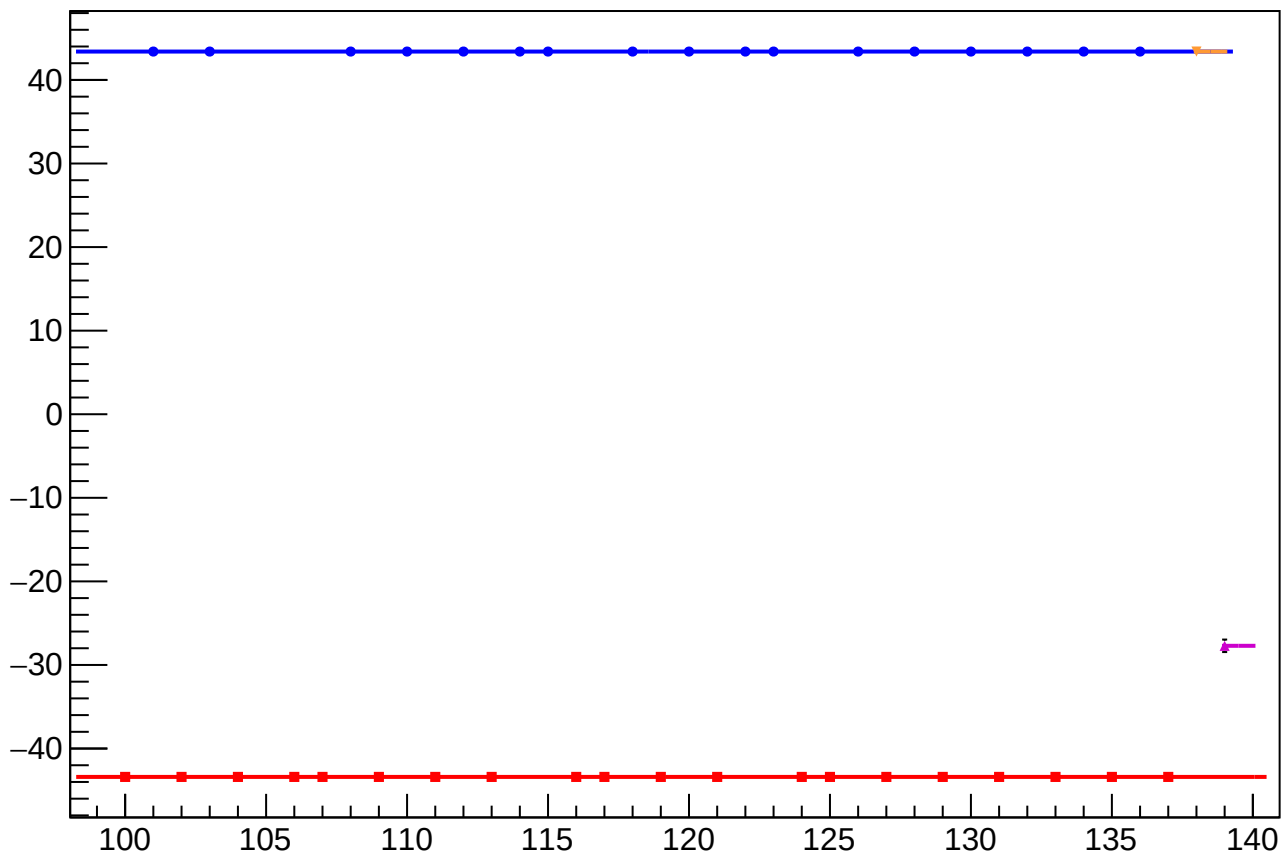
Left In: -31.758+/-0.467 χ^2/NDF : 0.0/0

30.765+/-0.105 χ^2/NDF : 0.0/17

-2.325+/-0.071 χ^2/NDF : 184528.1/38

-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 $\pm$ 0.113 χ^2 /NDF: 0.0/16

Left Out: 43.396 $\pm$ 0.465 χ^2 /NDF: 0.0/0

Right Out: -43.396 $\pm$ 0.104 χ^2 /NDF: 0.0/19

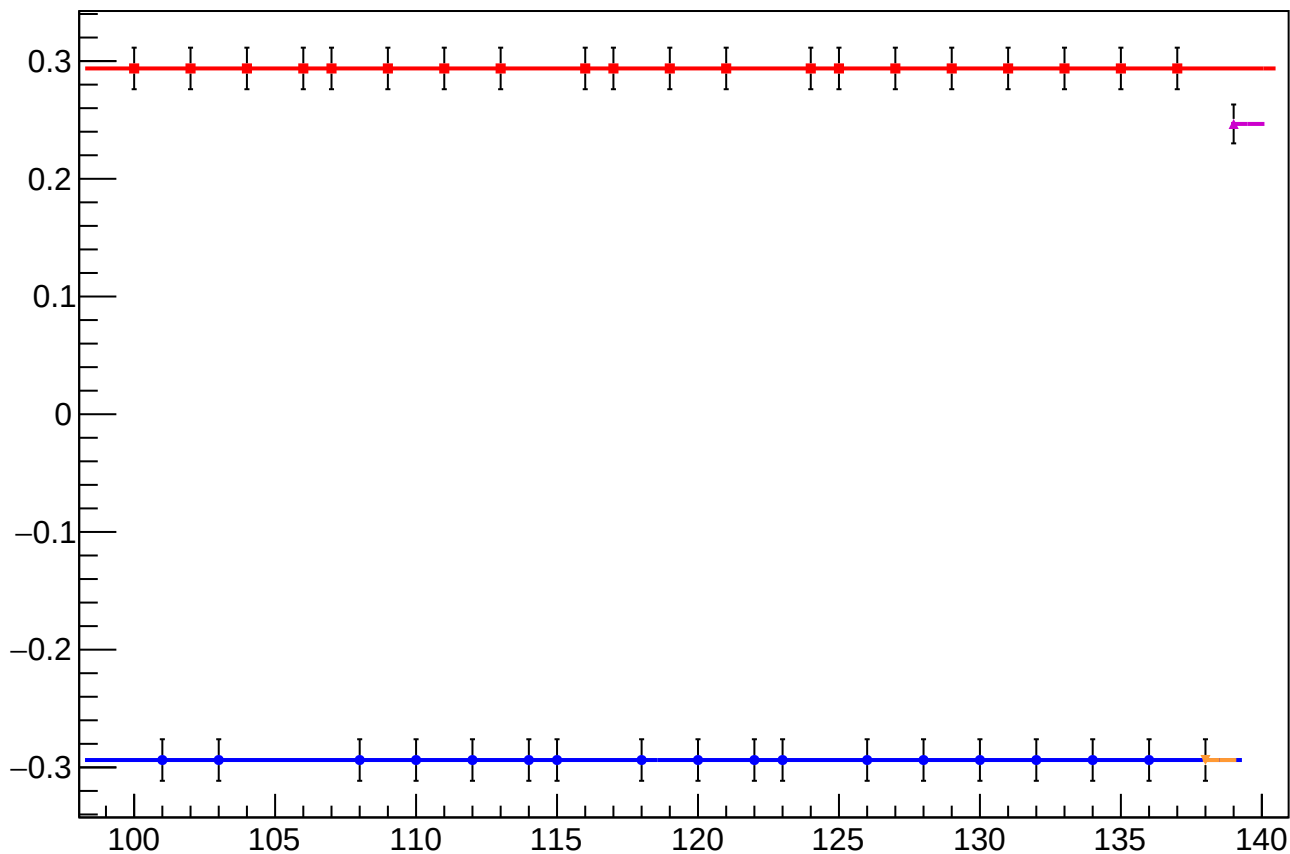
Left In: -27.709 $\pm$ 0.748 χ^2 /NDF: 0.0/0

43.396 $\pm$ 0.110 χ^2 /NDF: 0.0/17

-2.539 $\pm$ 0.075 χ^2 /NDF: 331701.2/38

-43.099 $\pm$ 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: -0.294 ± 0.018 χ^2/NDF : 0.0/0

Right Out: 0.294 ± 0.004 χ^2/NDF : 0.0/19

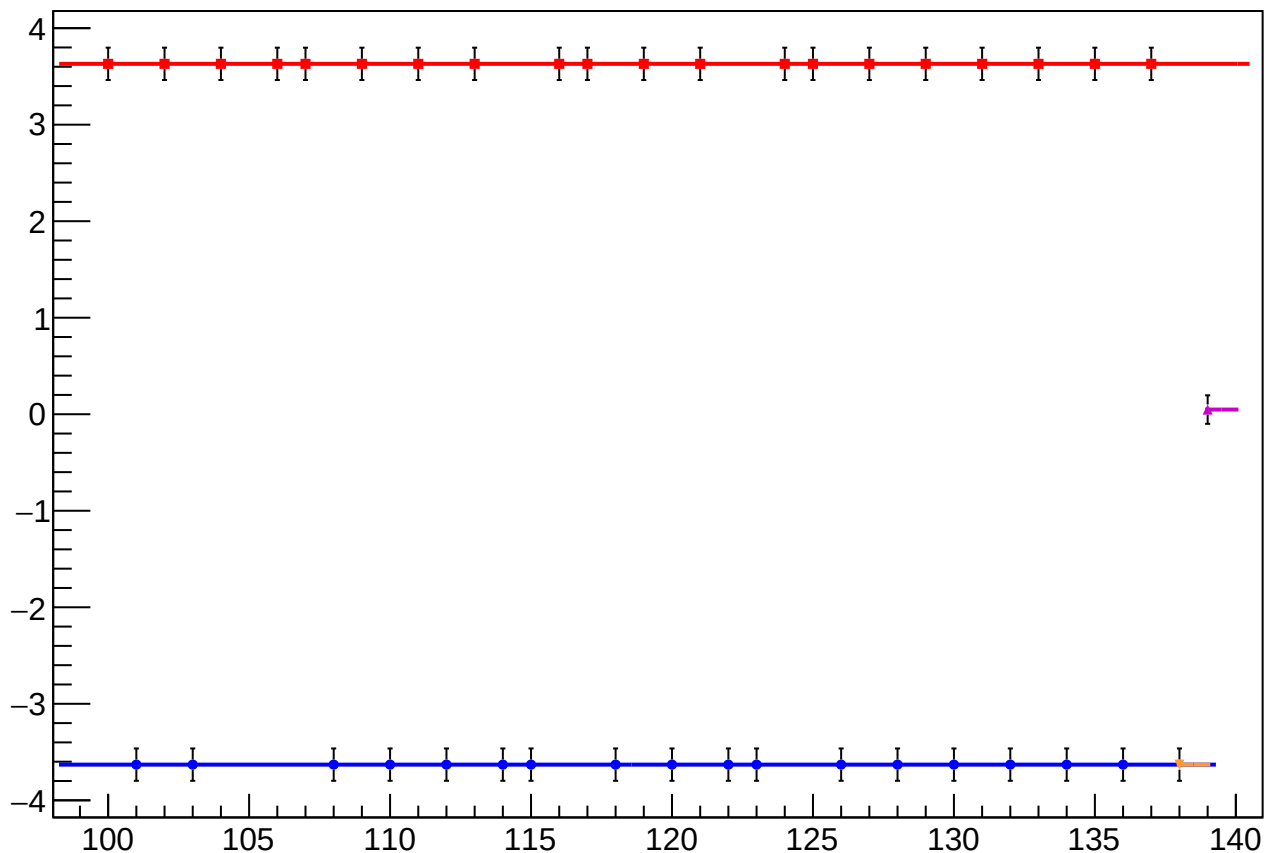
Left In: 0.247 ± 0.017 χ^2/NDF : 0.0/0

-0.294 ± 0.004 χ^2/NDF : 0.0/17

0.022 ± 0.003 χ^2/NDF : 10691.3/38

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: -3.630 ± 0.168 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 3.630 ± 0.037 $\chi^2/\text{NDF}: 0.0/19$

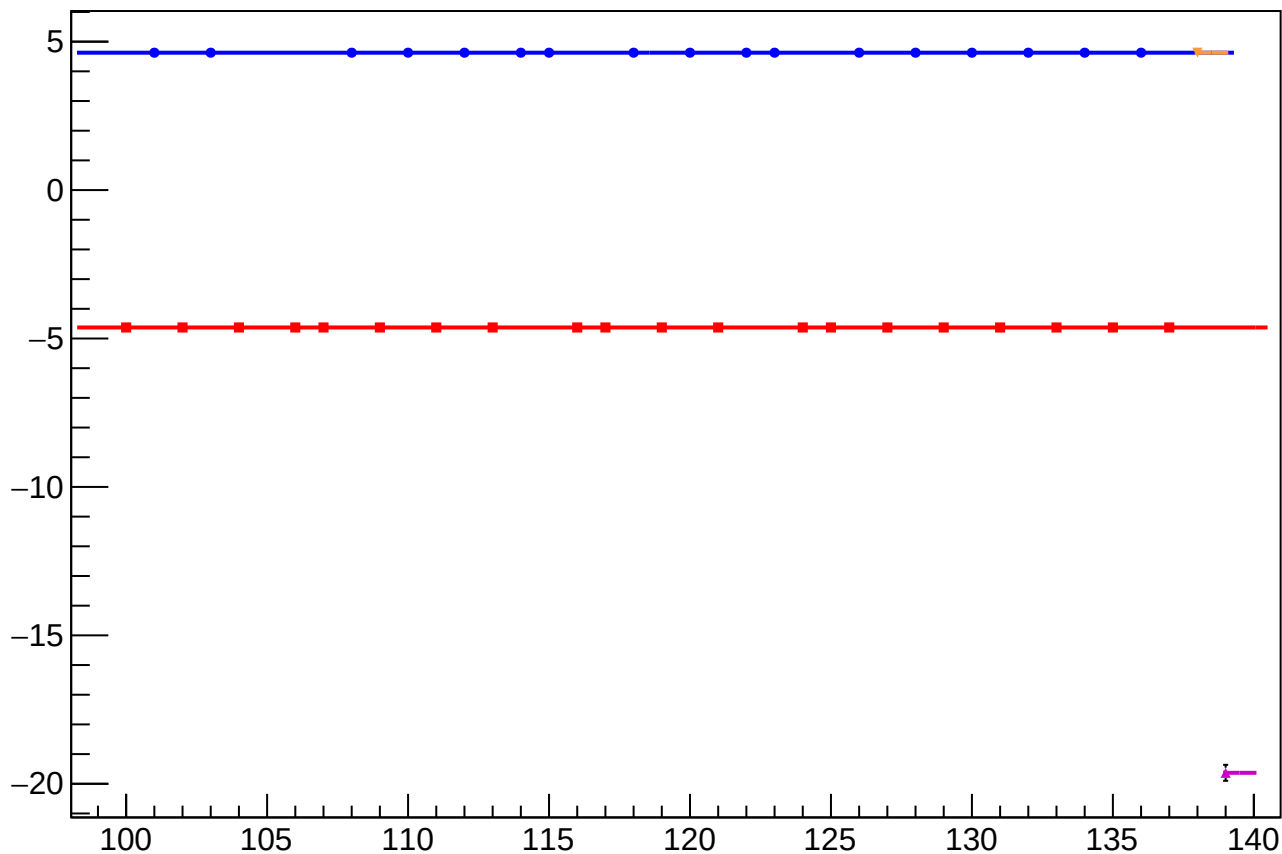
Left In: 0.048 ± 0.148 $\chi^2/\text{NDF}: 0.0/0$

-3.630 ± 0.039 $\chi^2/\text{NDF}: 0.0/17$

0.186 ± 0.027 $\chi^2/\text{NDF}: 17794.8/38$

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 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 4.628 ± 0.169 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -4.628 ± 0.038 $\chi^2/\text{NDF}: 0.0/19$

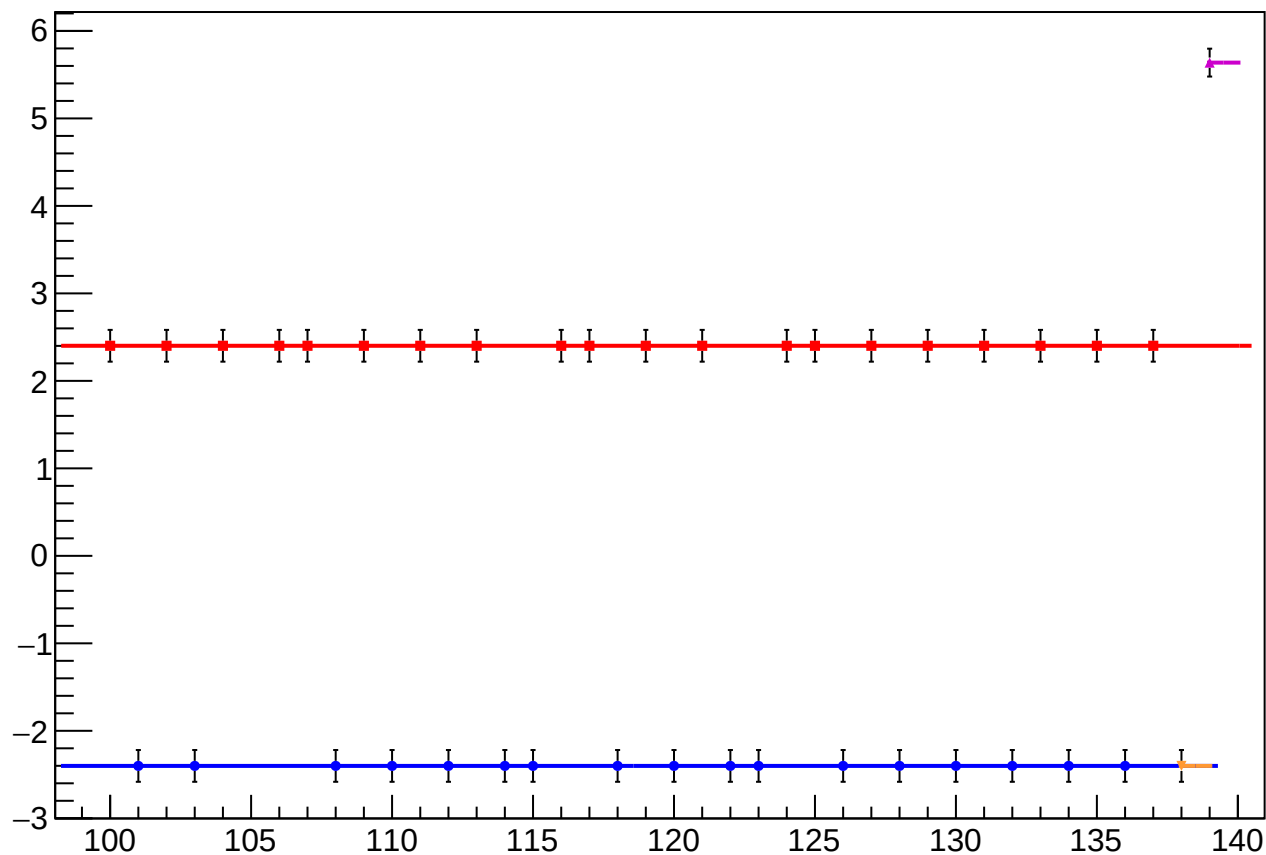
Left In: -19.630 ± 0.269 $\chi^2/\text{NDF}: 0.0/0$

4.628 ± 0.040 $\chi^2/\text{NDF}: 0.0/17$

-0.443 ± 0.027 $\chi^2/\text{NDF}: 33512.6/38$

-4.919 ± 0.037 $\chi^2/\text{NDF}: 3049.9/20$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.401 ± 0.044 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -2.401 ± 0.182 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 2.401 ± 0.041 $\chi^2/\text{NDF}: 0.0/19$

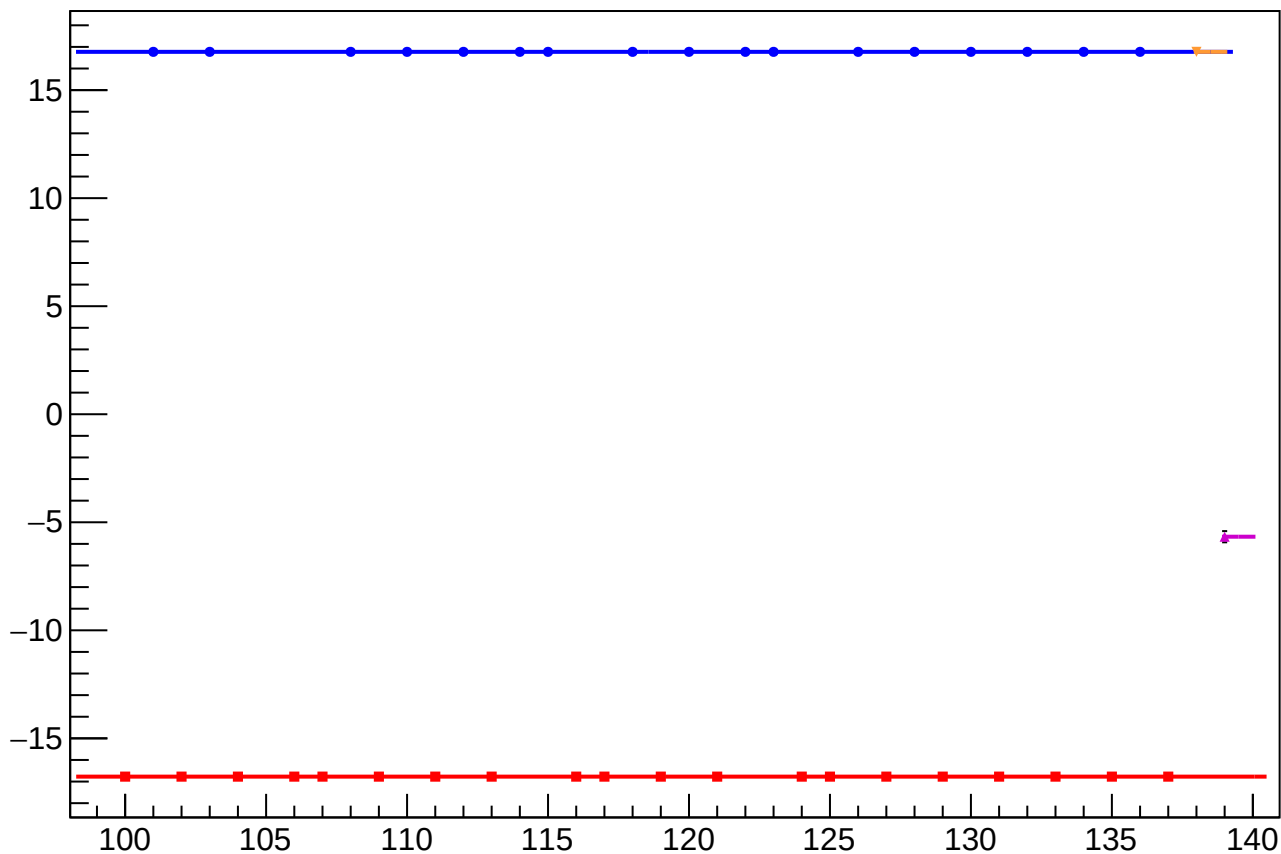
Left In: 5.638 ± 0.159 $\chi^2/\text{NDF}: 0.0/0$

-2.401 ± 0.043 $\chi^2/\text{NDF}: 0.0/17$

0.309 ± 0.029 $\chi^2/\text{NDF}: 7779.0/38$

2.599 ± 0.039 $\chi^2/\text{NDF}: 387.3/20$

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.771 $\pm$ 0.047 χ^2 /NDF: 0.0/16

Left Out: 16.771 $\pm$ 0.193 χ^2 /NDF: 0.0/0

Right Out: -16.771 $\pm$ 0.043 χ^2 /NDF: 0.0/19

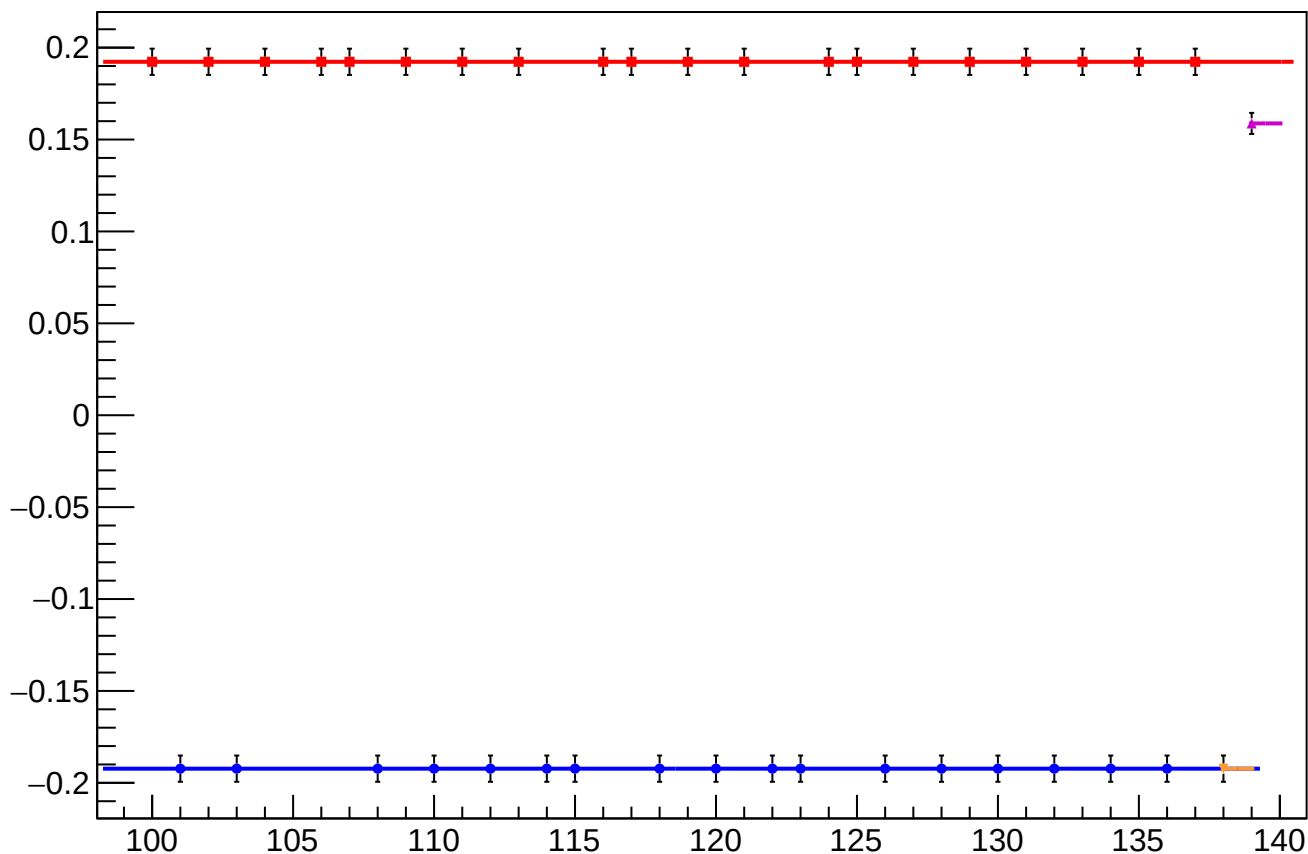
Left In: -5.668 $\pm$ 0.259 χ^2 /NDF: 0.0/0

16.771 $\pm$ 0.046 χ^2 /NDF: 0.0/17

-0.952 $\pm$ 0.031 χ^2 /NDF: 286106.3/38

-16.472 $\pm$ 0.043 χ^2 /NDF: 1784.2/20

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.192 ± 0.002 χ^2/NDF : 0.0/16

Left Out: -0.192 ± 0.007 χ^2/NDF : 0.0/0

Right Out: 0.192 ± 0.002 χ^2/NDF : 0.0/19

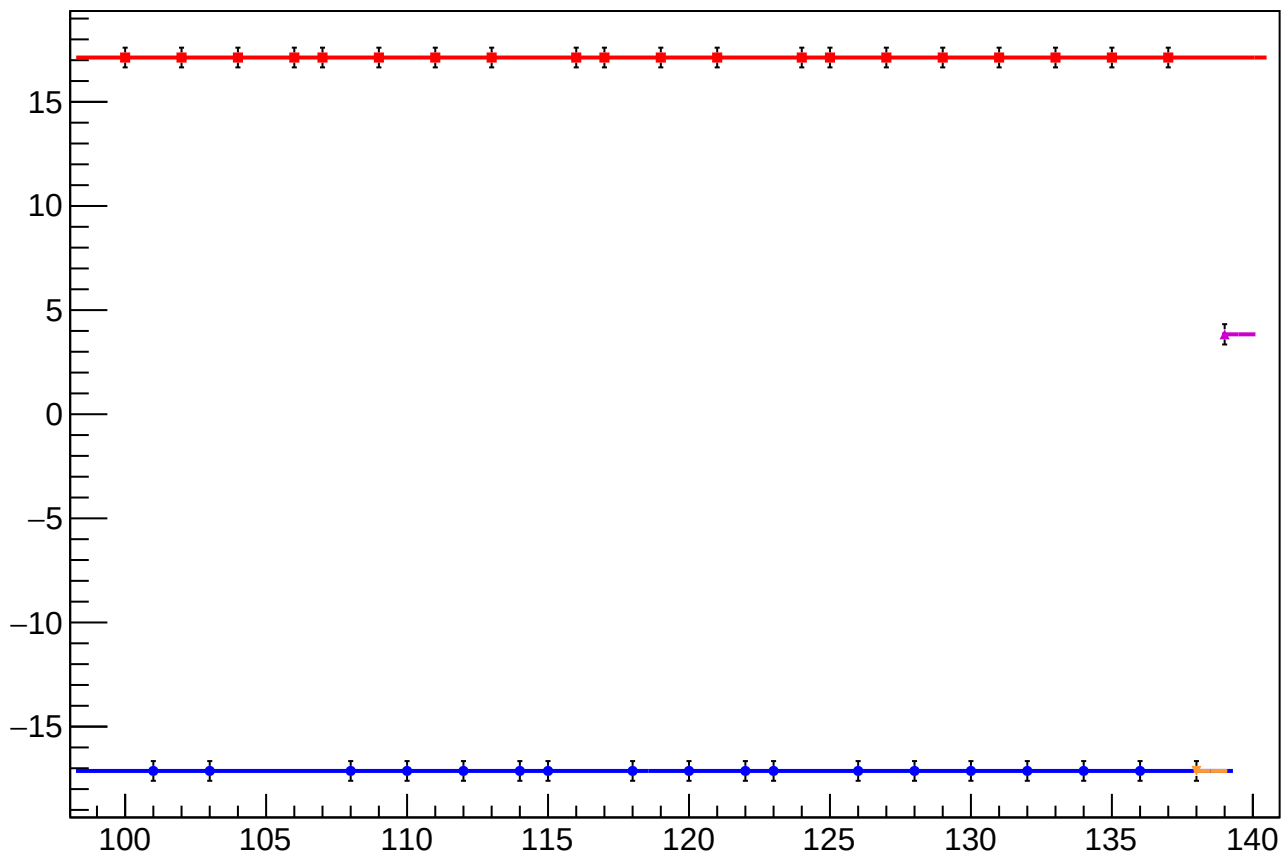
Left In: 0.159 ± 0.006 χ^2/NDF : 0.0/0

-0.192 ± 0.002 χ^2/NDF : 0.0/17

0.016 ± 0.001 χ^2/NDF : 28109.2/38

0.190 ± 0.002 χ^2/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: -17.128 ± 0.473 χ^2/NDF : 0.0/0

Right Out: 17.128 ± 0.106 χ^2/NDF : 0.0/19

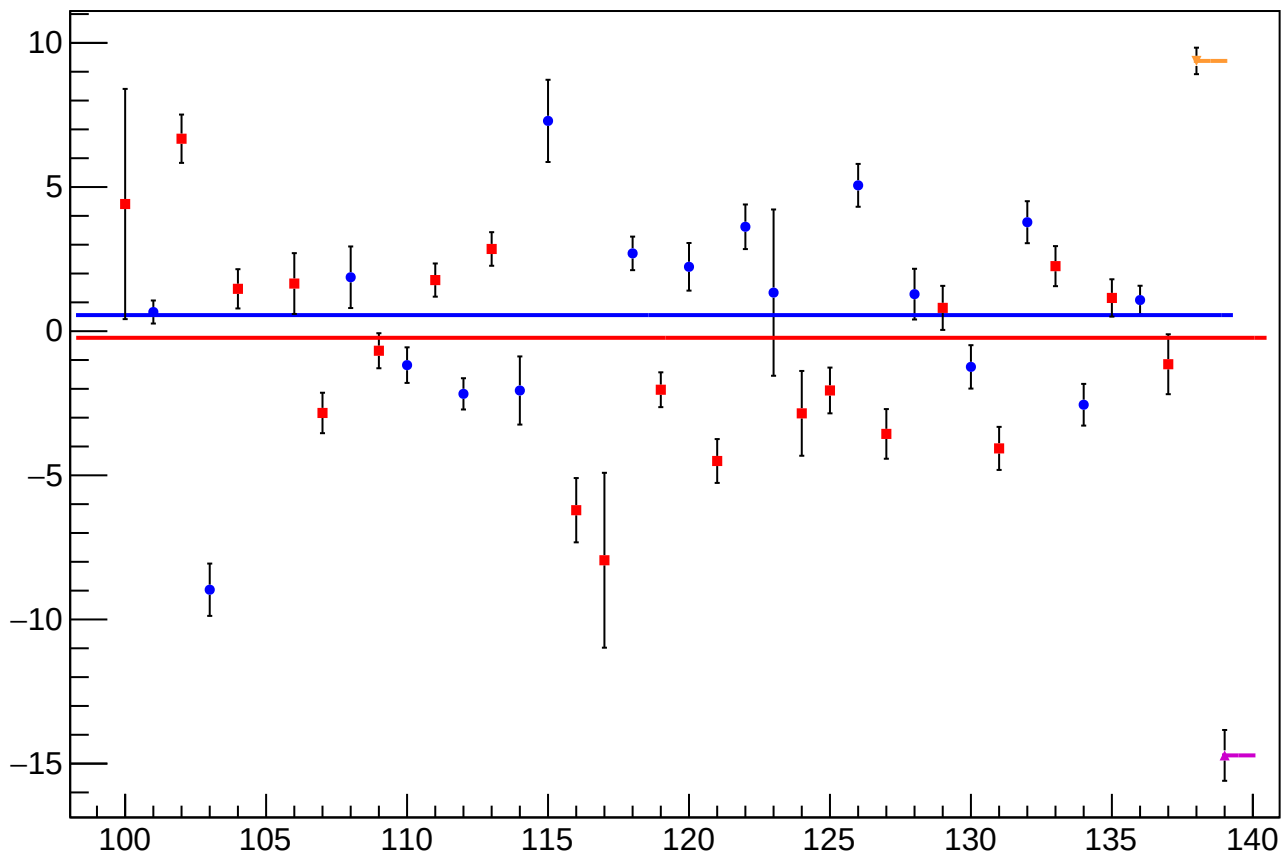
Left In: 3.837 ± 0.488 χ^2/NDF : 0.0/0

-17.128 ± 0.112 χ^2/NDF : 0.0/17

0.973 ± 0.076 χ^2/NDF : 49630.3/38

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 $\pm$ 0.170 χ^2 /NDF: 287.9/16

Left Out: 9.375 $\pm$ 0.459 χ^2 /NDF: 0.0/0

Right Out: -0.230 $\pm$ 0.174 χ^2 /NDF: 278.5/19

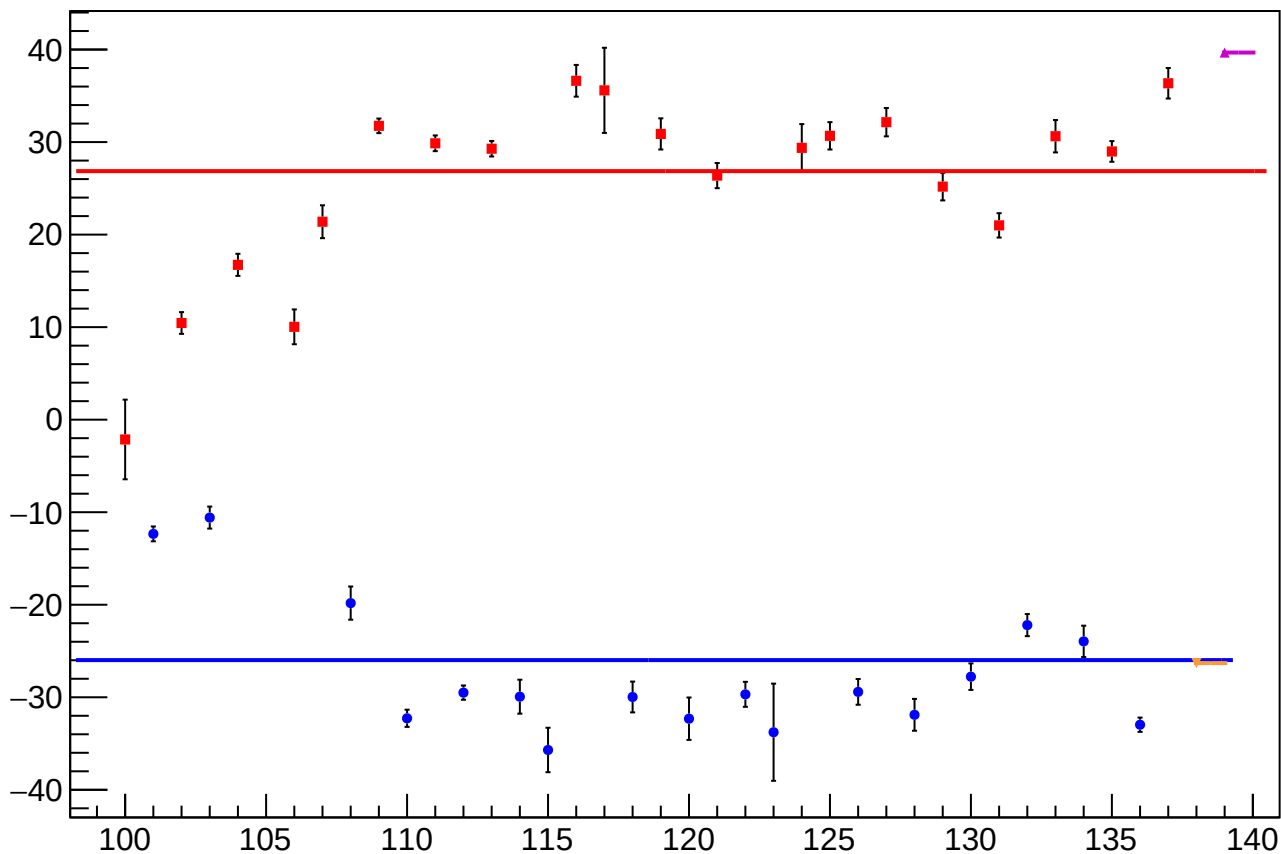
Left In: -14.715 $\pm$ 0.881 χ^2 /NDF: 0.0/0

1.621 $\pm$ 0.160 χ^2 /NDF: 611.8/17

0.506 $\pm$ 0.117 χ^2 /NDF: 1255.4/38

-0.775 $\pm$ 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: -26.306 ± 0.513 χ^2/NDF : 0.0/0

Right Out: 26.861 ± 0.297 χ^2/NDF : 585.2/19

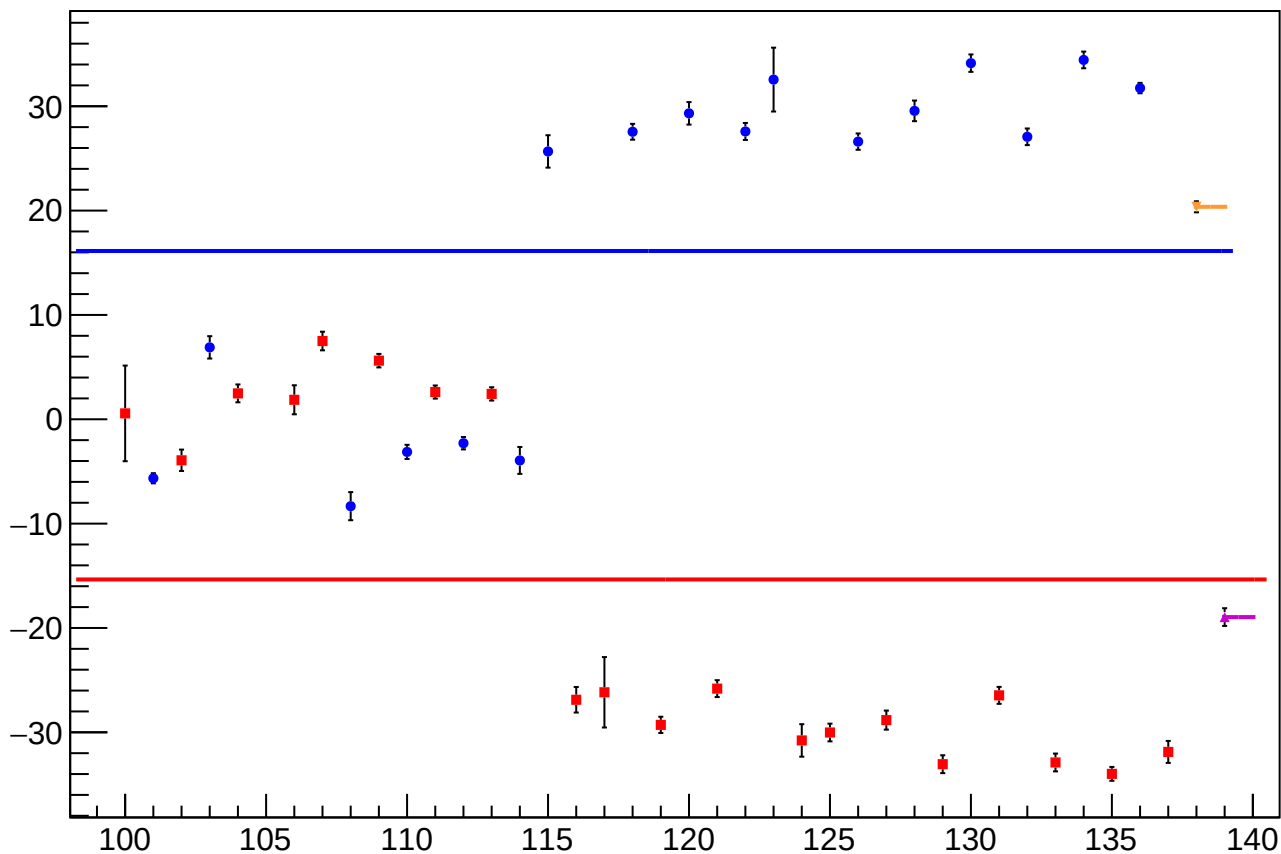
Left In: 39.675 ± 0.528 χ^2/NDF : 0.0/0

-26.066 ± 0.259 χ^2/NDF : 691.8/17

1.985 ± 0.183 χ^2/NDF : 25099.1/38

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: 20.364+/-0.530 χ^2/NDF : 0.0/0

Right Out: -15.352+/-0.197 χ^2/NDF : 7288.4/19

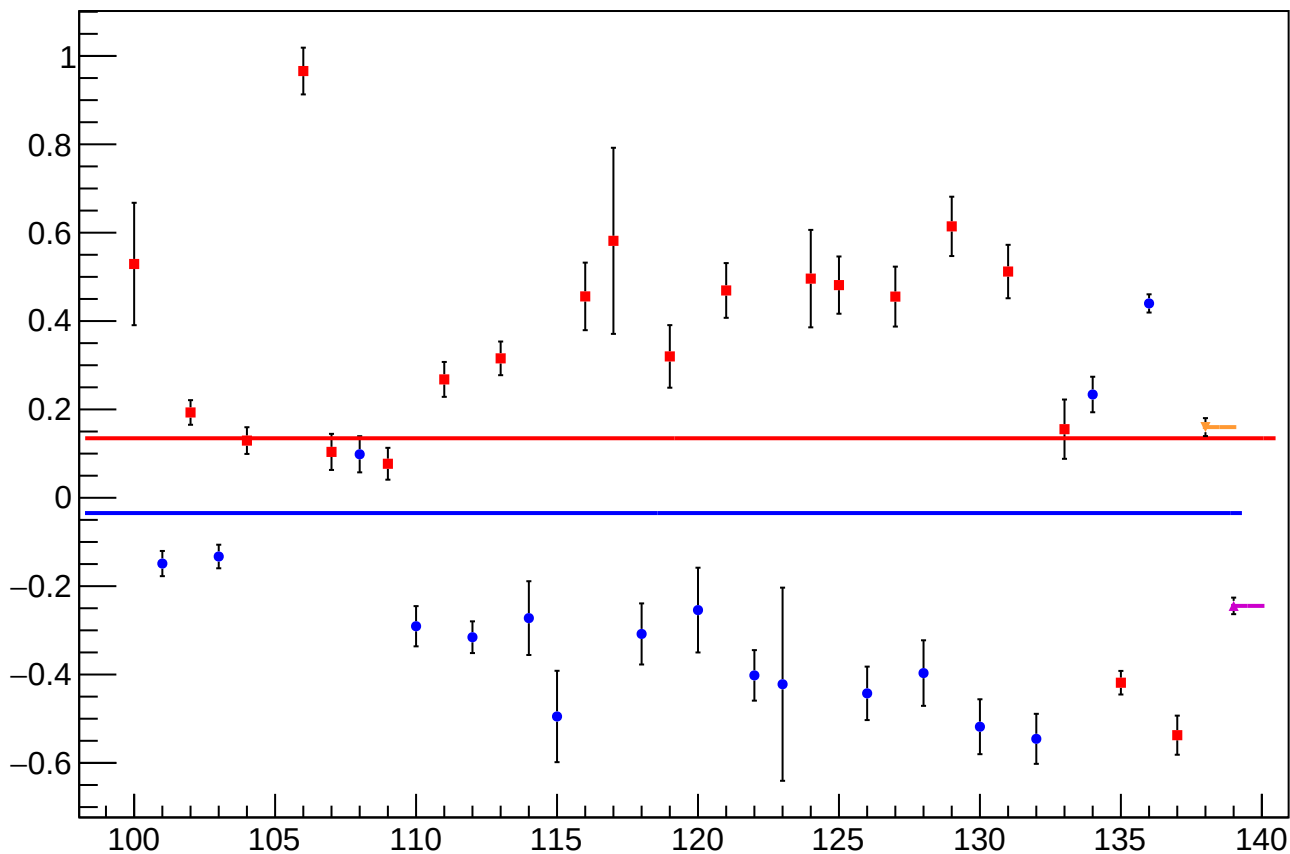
Left In: -18.956+/-0.849 χ^2/NDF : 0.0/0

16.620+/-0.181 χ^2/NDF : 7628.9/17

1.494+/-0.131 χ^2/NDF : 29849.2/38

-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: 0.160 ± 0.020 χ^2/NDF : 0.0/0

Right Out: 0.135 ± 0.010 χ^2/NDF : 1166.4/19

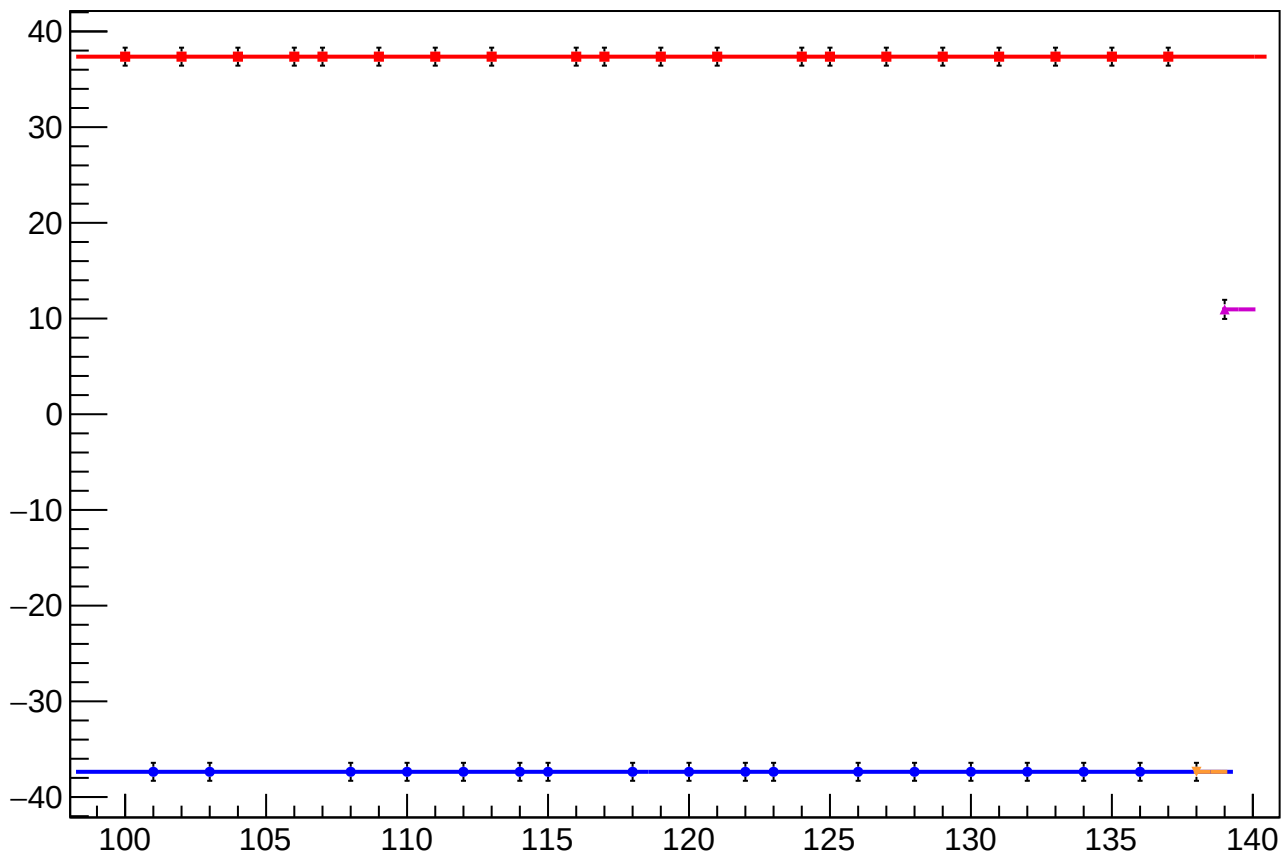
Left In: -0.245 ± 0.019 χ^2/NDF : 0.0/0

0.005 ± 0.009 χ^2/NDF : 1084.3/17

0.026 ± 0.006 χ^2/NDF : 2574.8/38

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 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -37.364 ± 0.939 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 37.364 ± 0.210 $\chi^2/\text{NDF}: 0.0/19$

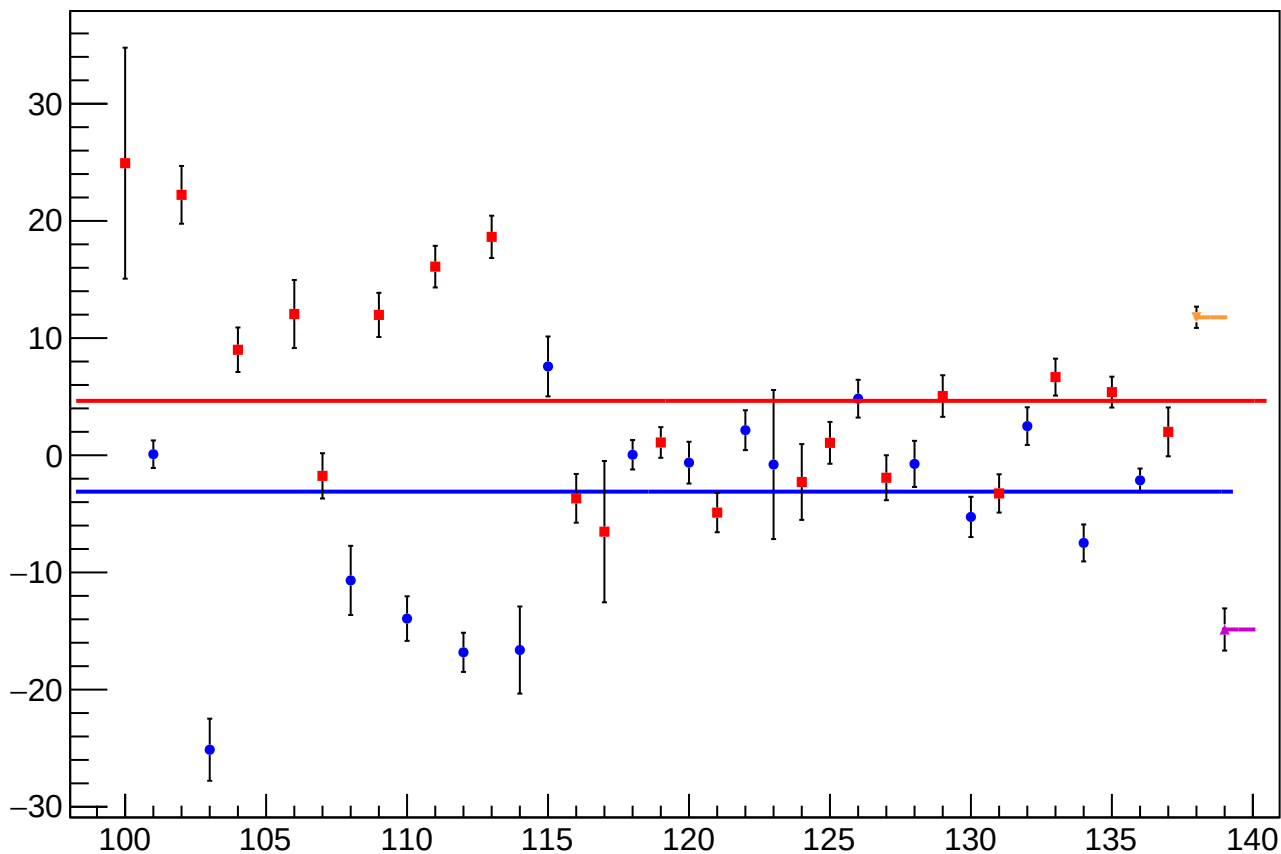
Left In: 10.957 ± 0.998 $\chi^2/\text{NDF}: 0.0/0$

-37.364 ± 0.221 $\chi^2/\text{NDF}: 0.0/17$

2.171 ± 0.151 $\chi^2/\text{NDF}: 60053.3/38$

36.245 ± 0.206 $\chi^2/\text{NDF}: 670.4/20$

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: 11.776 ± 0.907 χ^2/NDF : 0.0/0

Right Out: 4.645 ± 0.425 χ^2/NDF : 301.1/19

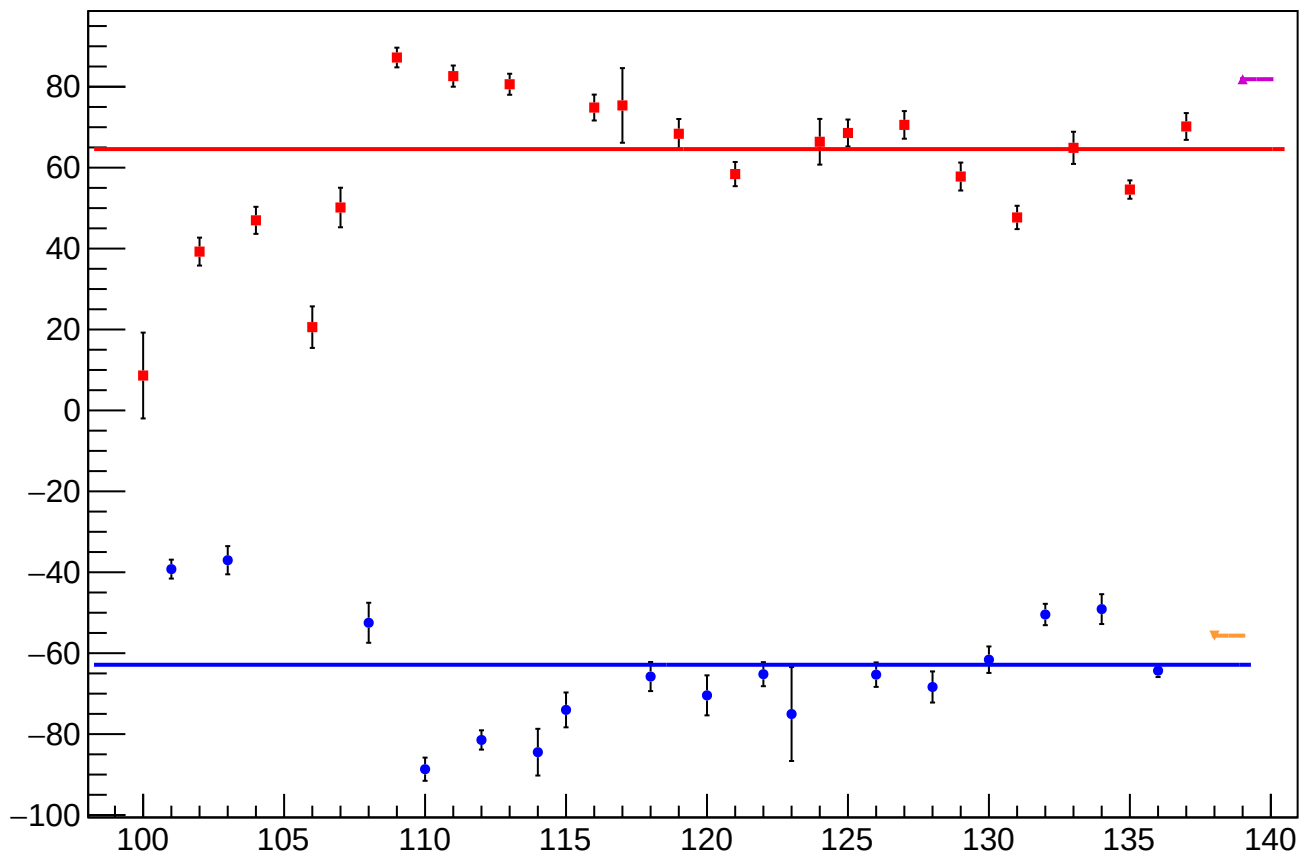
Left In: -14.869 ± 1.800 χ^2/NDF : 0.0/0

-0.567 ± 0.374 χ^2/NDF : 502.6/17

1.313 ± 0.278 χ^2/NDF : 971.0/38

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 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -55.661 ± 1.018 χ^2/NDF : 0.0/0

Right Out: 64.588 ± 0.749 χ^2/NDF : 445.6/19

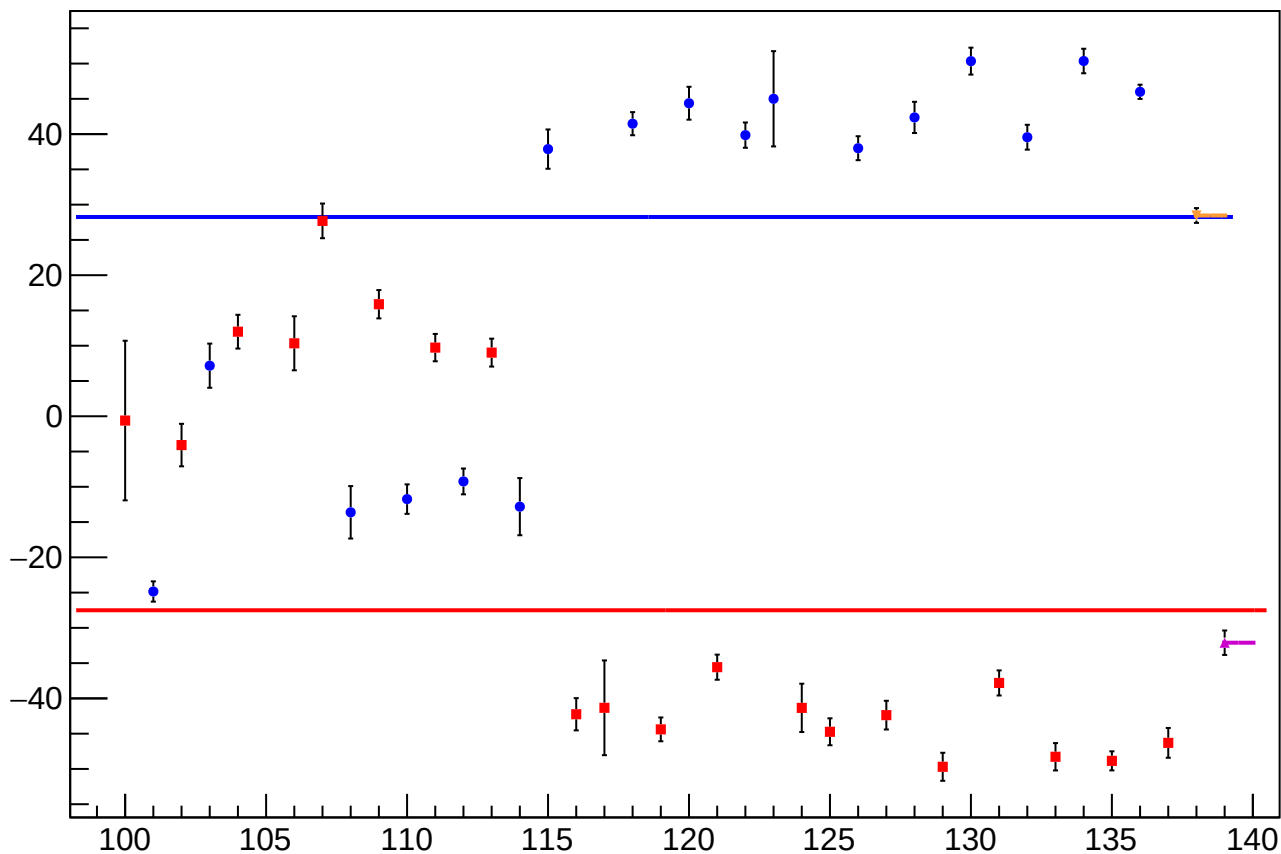
Left In: 81.864 ± 1.080 χ^2/NDF : 0.0/0

-60.370 ± 0.599 χ^2/NDF : 401.5/17

3.106 ± 0.429 χ^2/NDF : 24127.6/38

70.200 ± 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: 28.463+/-1.048 χ^2/NDF : 0.0/0

Right Out: -27.505+/-0.478 χ^2/NDF : 3036.7/19

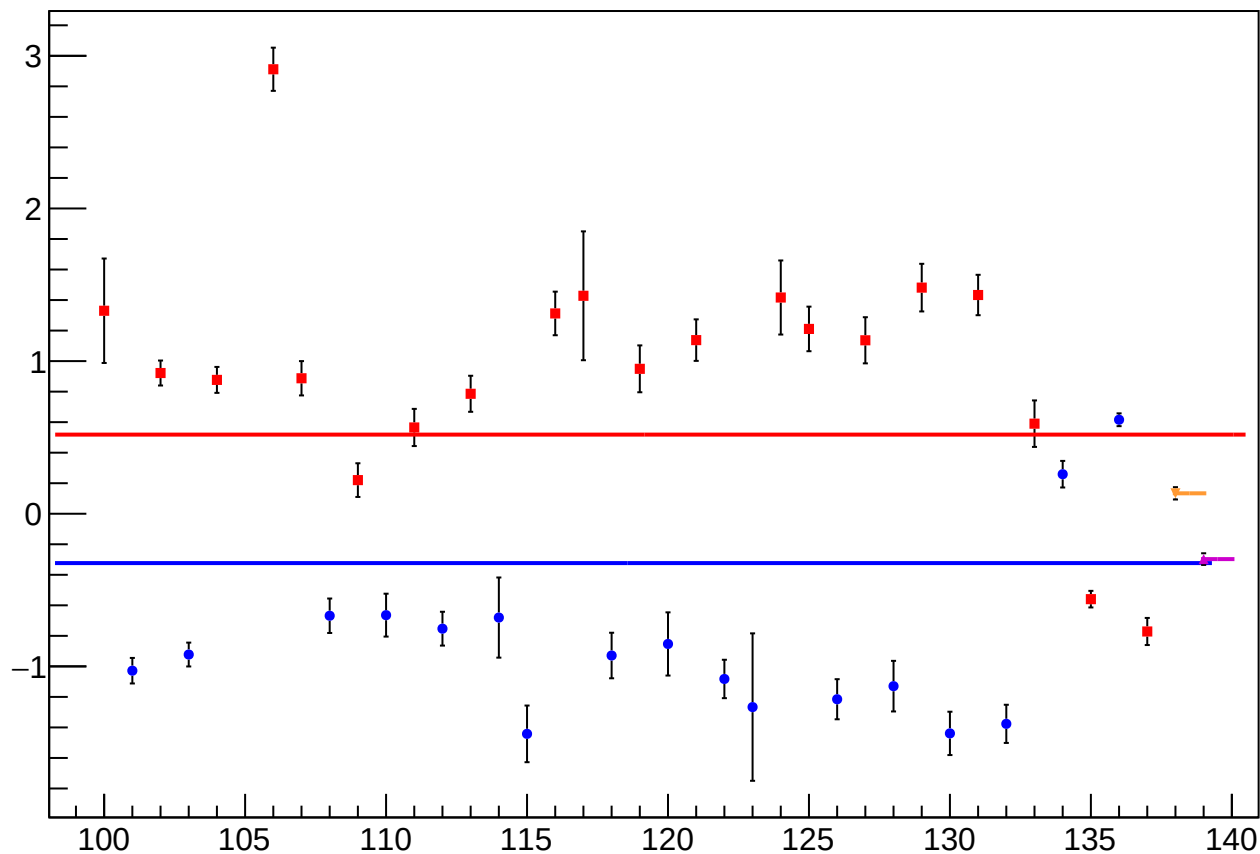
Left In: -32.105+/-1.733 χ^2/NDF : 0.0/0

28.284+/-0.421 χ^2/NDF : 3319.5/17

2.711+/-0.311 χ^2/NDF : 14447.4/38

-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: 0.134 ± 0.040 χ^2/NDF : 0.0/0

Right Out: 0.518 ± 0.026 χ^2/NDF : 1165.5/19

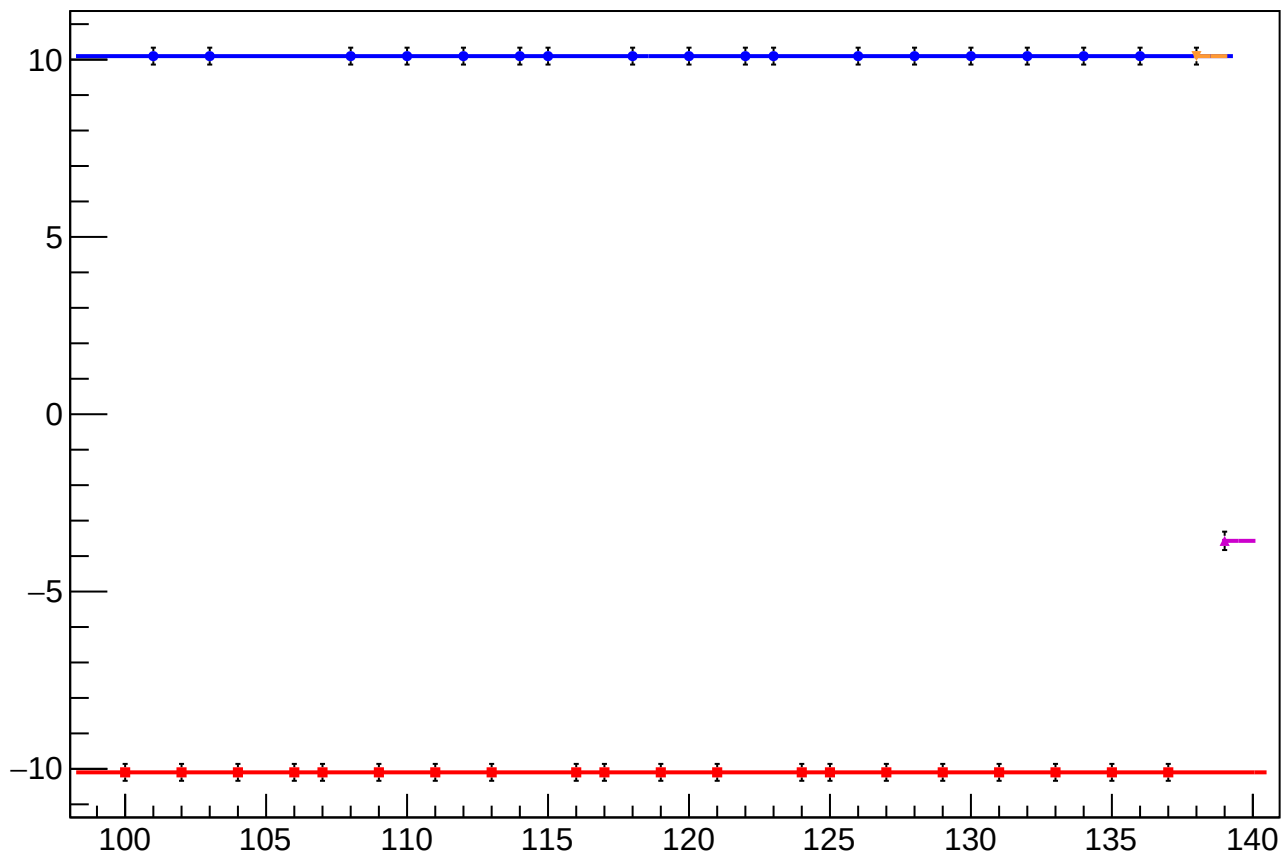
Left In: -0.297 ± 0.038 χ^2/NDF : 0.0/0

-0.197 ± 0.021 χ^2/NDF : 1103.3/17

0.033 ± 0.015 χ^2/NDF : 2817.4/38

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+/-0.058 χ^2/NDF : 0.0/16

Left Out: 10.098+/-0.238 χ^2/NDF : 0.0/0

Right Out: -10.098+/-0.053 χ^2/NDF : 0.0/19

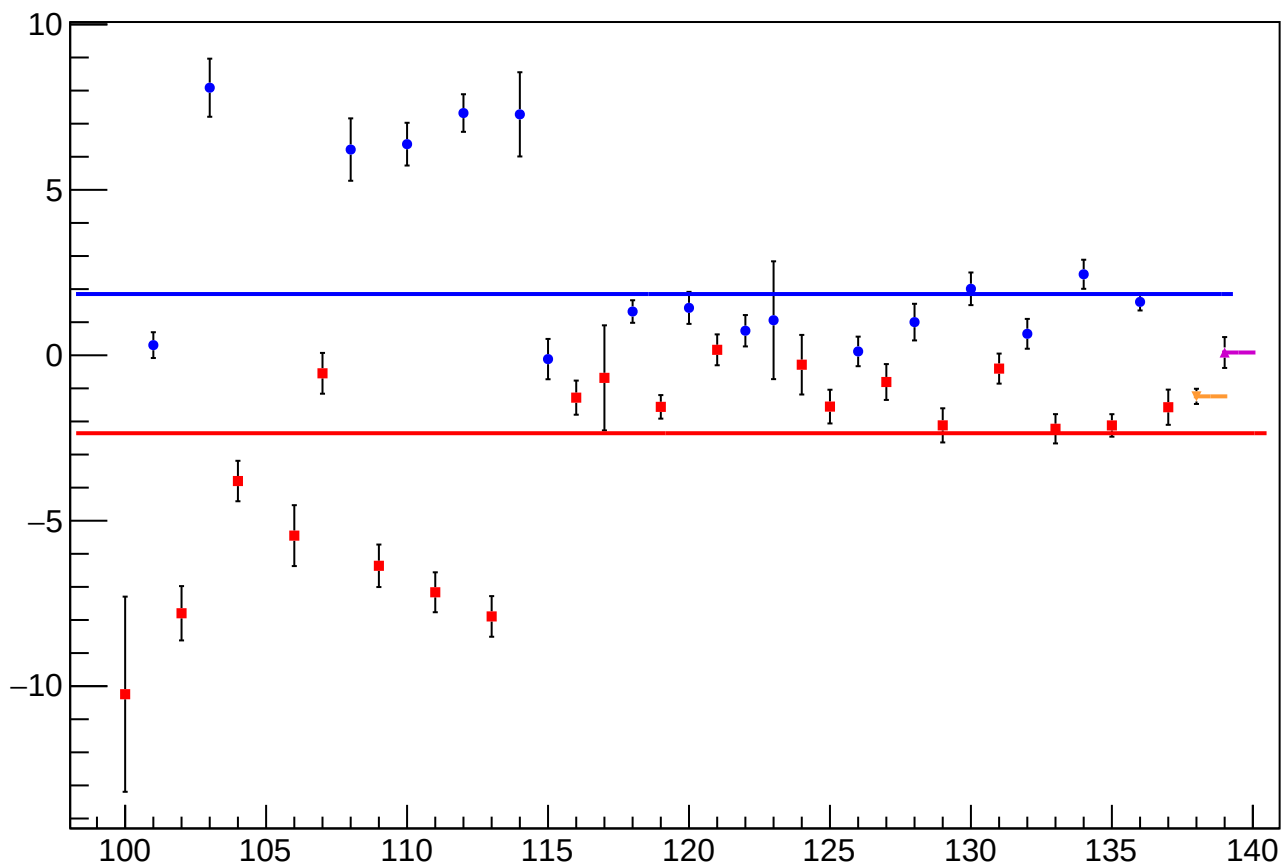
Left In: -3.570+/-0.259 χ^2/NDF : 0.0/0

10.098+/-0.056 χ^2/NDF : 0.0/17

-0.598+/-0.038 χ^2/NDF : 68178.5/38

-9.833+/-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 χ^2/NDF : 294.2/16

Left Out: -1.241 ± 0.230 χ^2/NDF : 0.0/0

Right Out: -2.355 ± 0.122 χ^2/NDF : 337.4/19

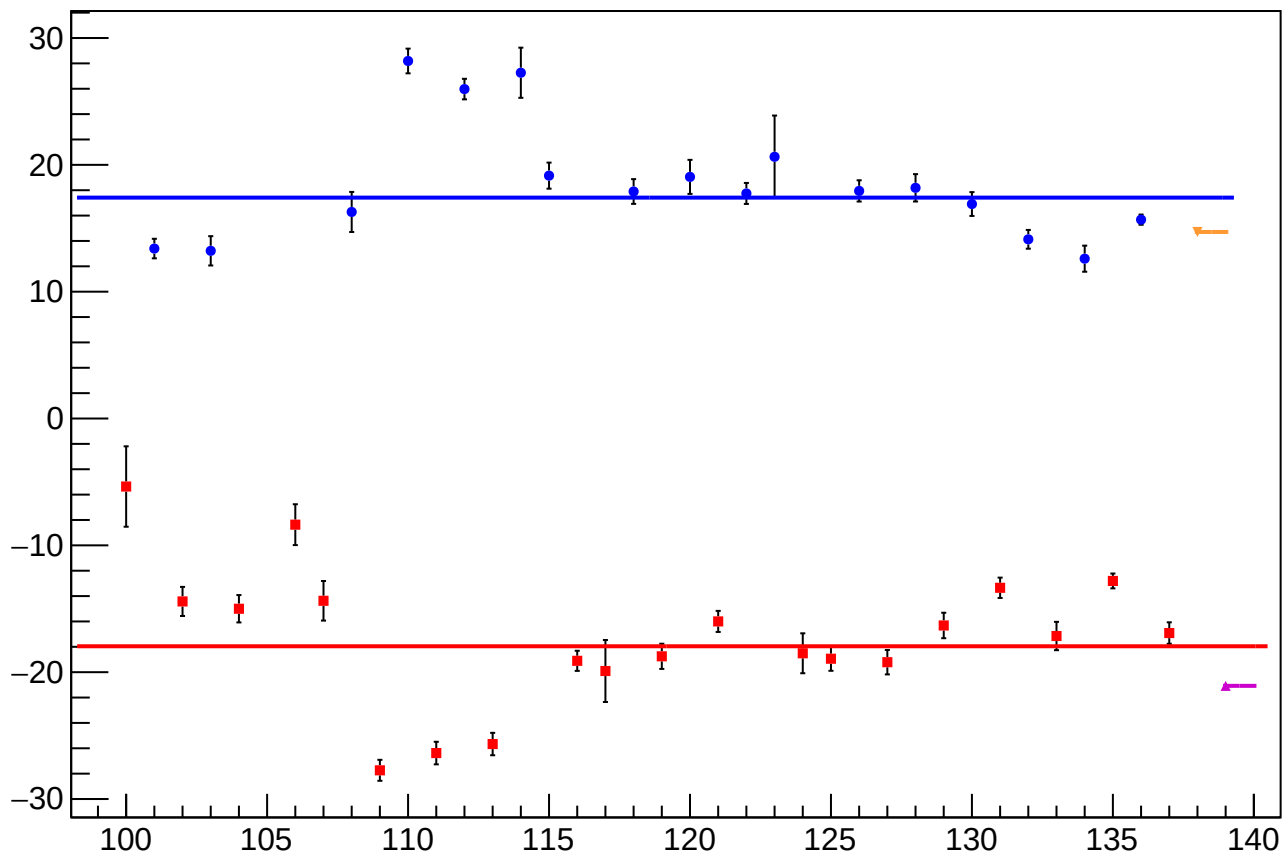
Left In: 0.084 ± 0.467 χ^2/NDF : 0.0/0

1.213 ± 0.104 χ^2/NDF : 438.0/17

-0.282 ± 0.078 χ^2/NDF : 1268.8/38

-2.199 ± 0.118 χ^2/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: 14.708 $\pm$ 0.258 χ^2 /NDF: 0.0/0

Right Out: -17.957 $\pm$ 0.218 χ^2 /NDF: 506.2/19

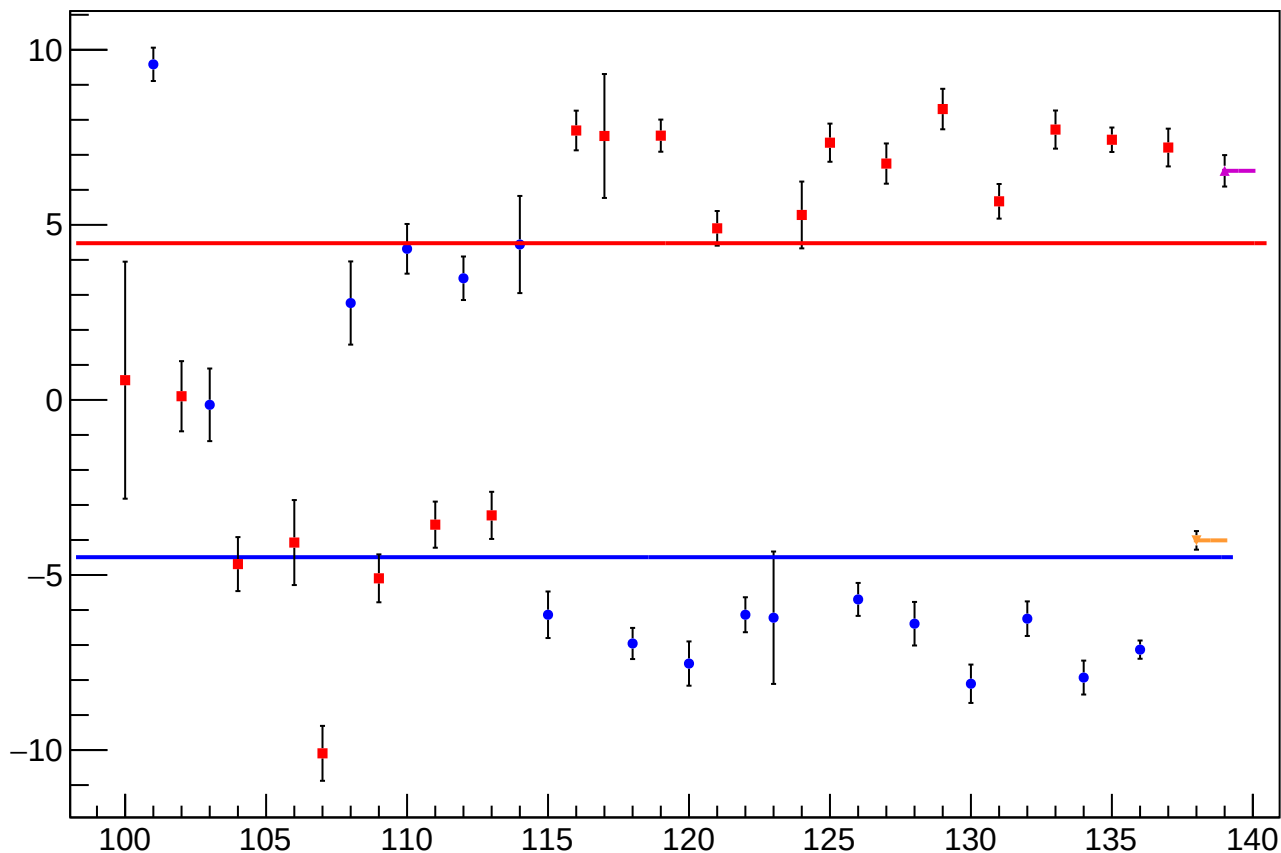
Left In: -21.077 $\pm$ 0.281 χ^2 /NDF: 0.0/0

16.322 $\pm$ 0.164 χ^2 /NDF: 432.6/17

-0.546 $\pm$ 0.119 χ^2 /NDF: 23215.6/38

-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: -4.011+/-0.266 χ^2/NDF : 0.0/0

Right Out: 4.476+/-0.137 χ^2/NDF : 1342.0/19

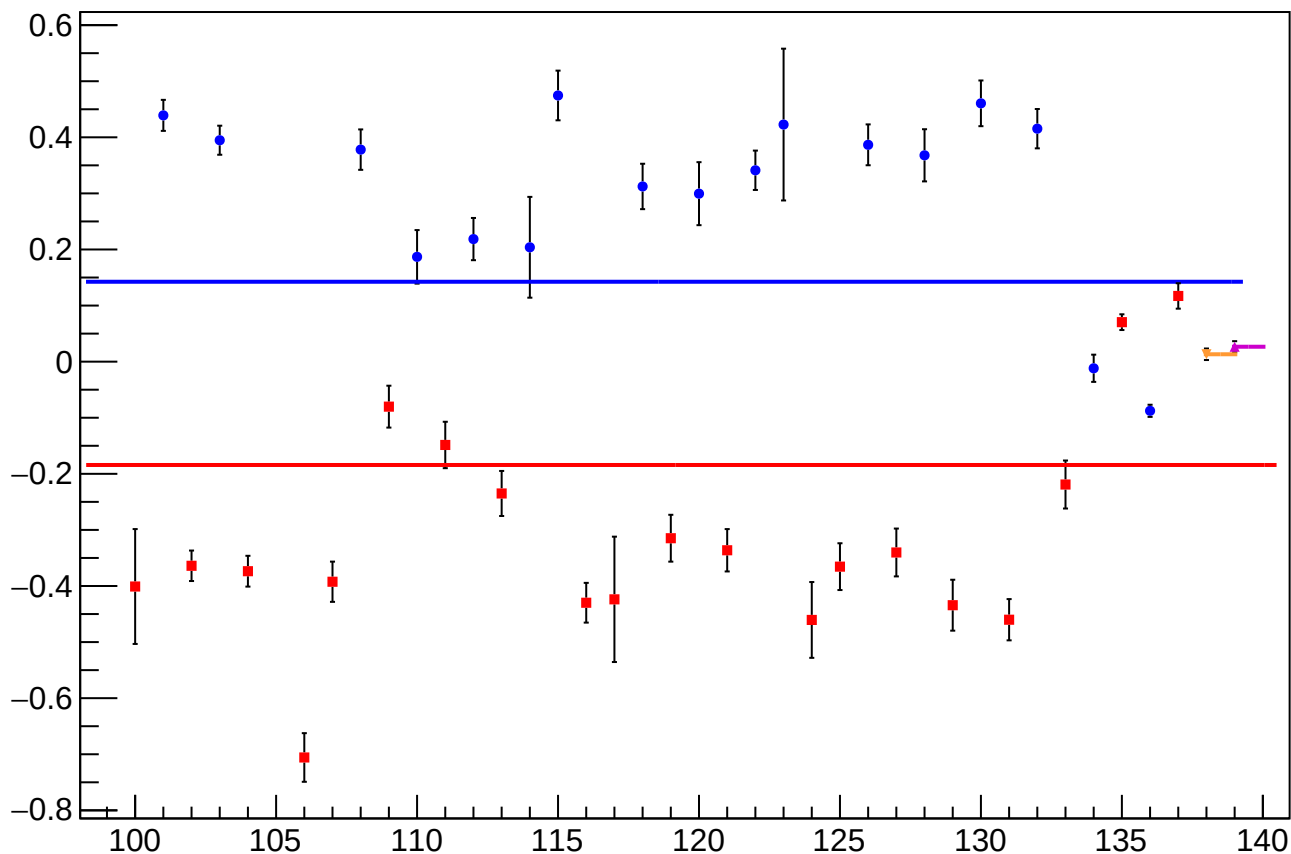
Left In: 6.544+/-0.449 χ^2/NDF : 0.0/0

-4.398+/-0.117 χ^2/NDF : 1588.0/17

-0.369+/-0.087 χ^2/NDF : 5609.1/38

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: 0.013 ± 0.010 χ^2/NDF : 0.0/0

Right Out: -0.184 ± 0.007 χ^2/NDF : 1005.5/19

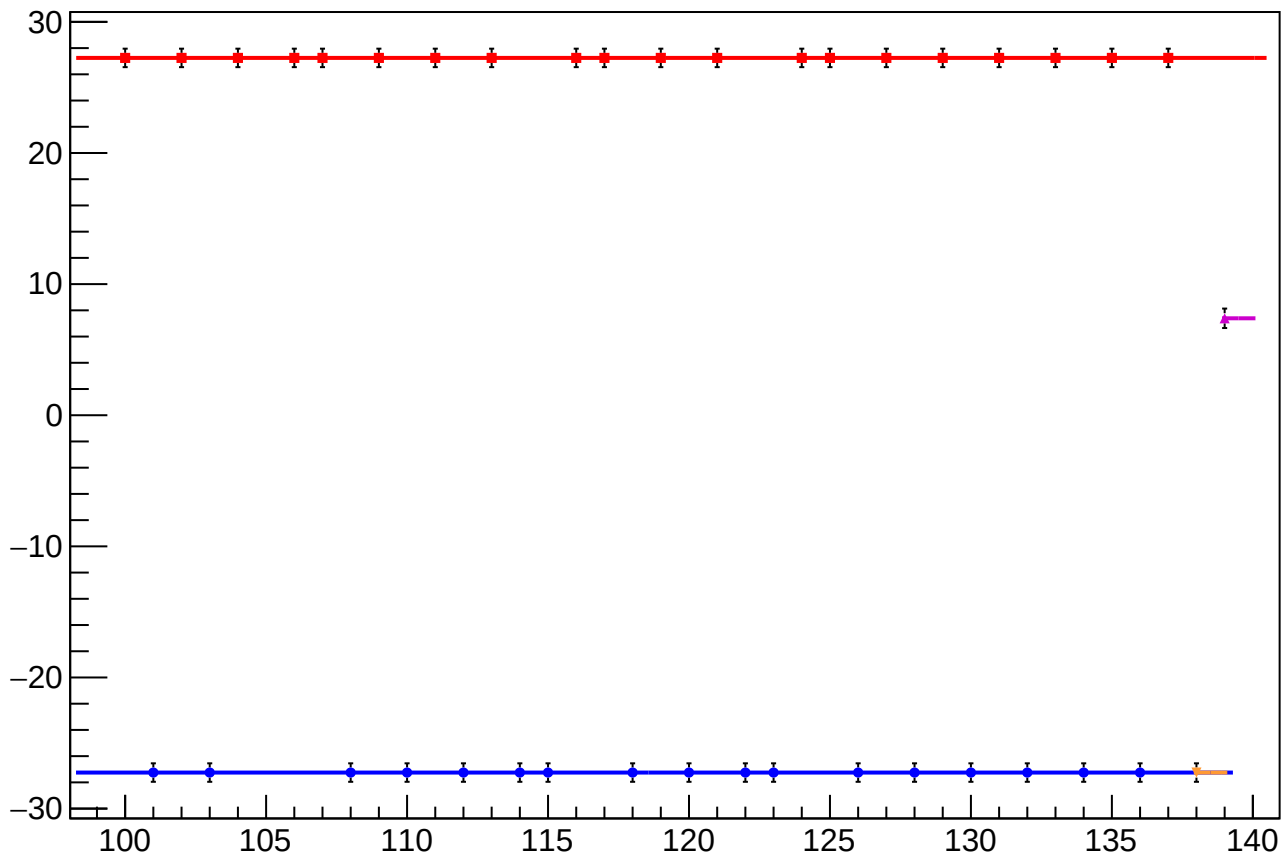
Left In: 0.027 ± 0.010 χ^2/NDF : 0.0/0

0.101 ± 0.006 χ^2/NDF : 1166.3/17

-0.002 ± 0.004 χ^2/NDF : 3100.2/38

-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 ± 0.171 χ^2/NDF : 0.0/16

Left Out: -27.252 ± 0.705 χ^2/NDF : 0.0/0

Right Out: 27.252 ± 0.158 χ^2/NDF : 0.0/19

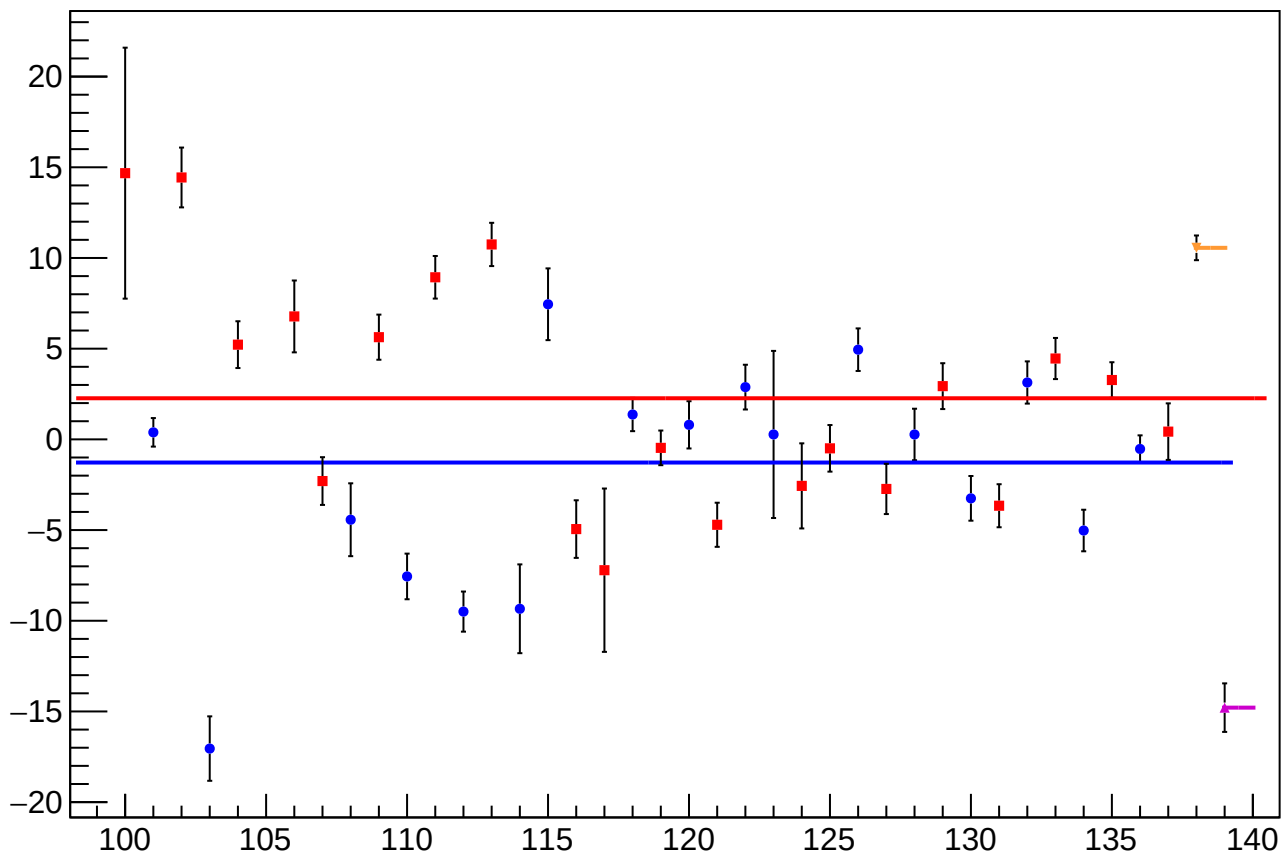
Left In: 7.393 ± 0.742 χ^2/NDF : 0.0/0

-27.252 ± 0.166 χ^2/NDF : 0.0/17

1.573 ± 0.113 χ^2/NDF : 56758.9/38

26.394 ± 0.154 χ^2/NDF : 686.3/20

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 $\pm$ 0.292 χ^2 /NDF: 276.5/16

Left Out: 10.559 $\pm$ 0.681 χ^2 /NDF:0.0/0

Right Out: 2.266 $\pm$ 0.302 χ^2 /NDF: 289.8/19

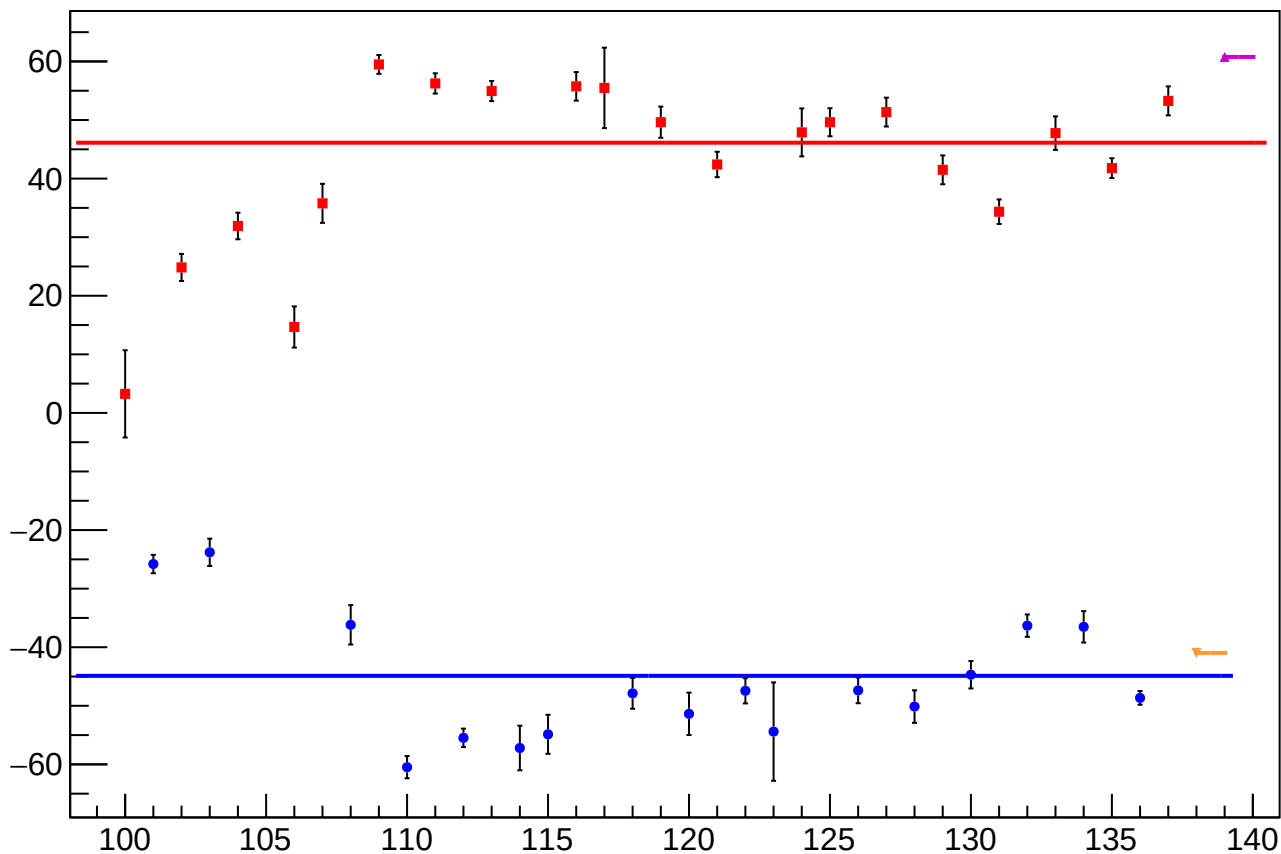
Left In: -14.790 $\pm$ 1.338 χ^2 /NDF:0.0/0

0.564 $\pm$ 0.269 χ^2 /NDF: 531.6/17

0.963 $\pm$ 0.198 χ^2 /NDF: 980.8/38

1.441 $\pm$ 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: -40.974+/-0.763 χ^2/NDF : 0.0/0

Right Out: 46.130+/-0.527 χ^2/NDF : 456.1/19

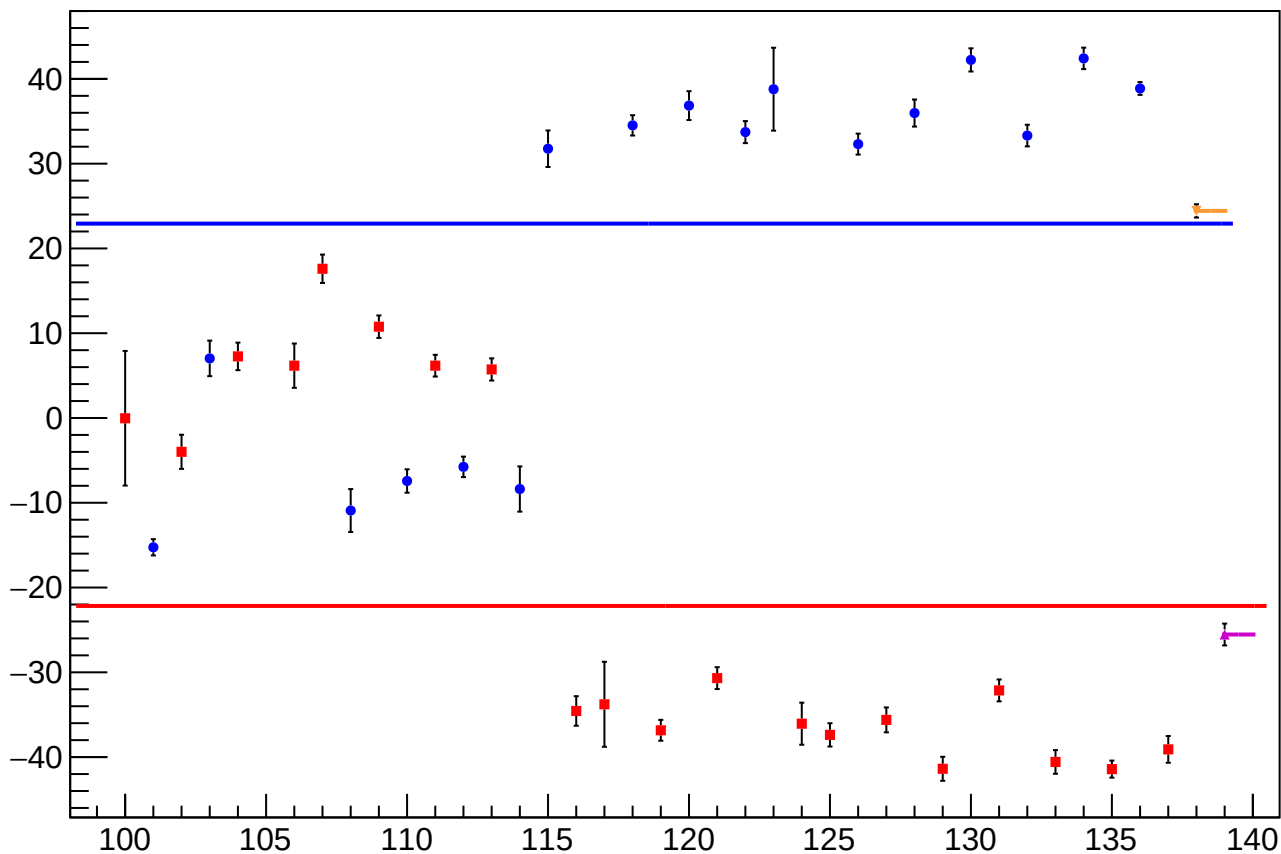
Left In: 60.775+/-0.803 χ^2/NDF : 0.0/0

-43.630+/-0.432 χ^2/NDF : 438.8/17

2.561+/-0.309 χ^2/NDF : 24410.5/38

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: 24.429+/-0.787 χ^2/NDF : 0.0/0

Right Out: -22.170+/-0.339 χ^2/NDF : 4038.8/19

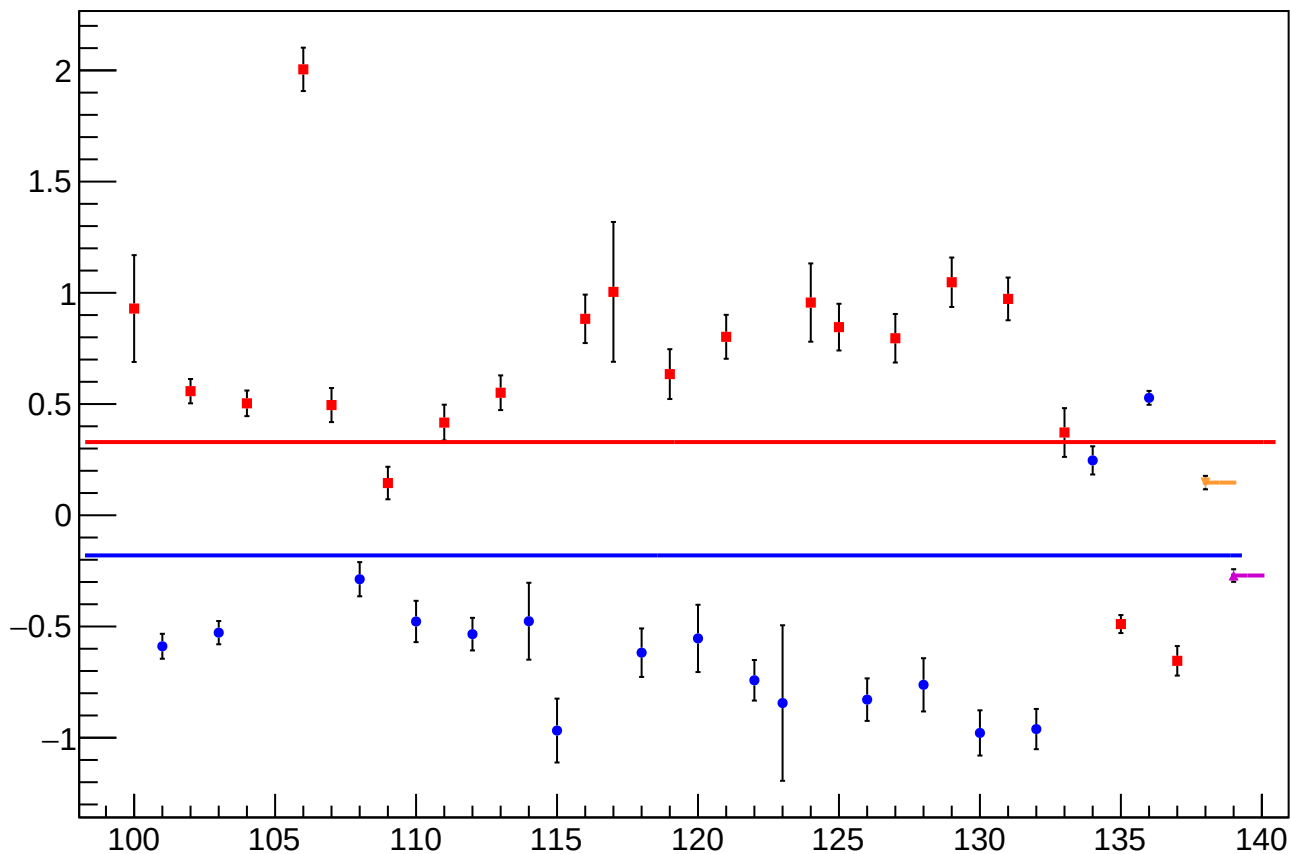
Left In: -25.541+/-1.288 χ^2/NDF : 0.0/0

23.149+/-0.303 χ^2/NDF : 4333.3/17

2.196+/-0.222 χ^2/NDF : 18784.2/38

-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: 0.147 ± 0.030 χ^2/NDF : 0.0/0

Right Out: 0.329 ± 0.018 χ^2/NDF : 1180.2/19

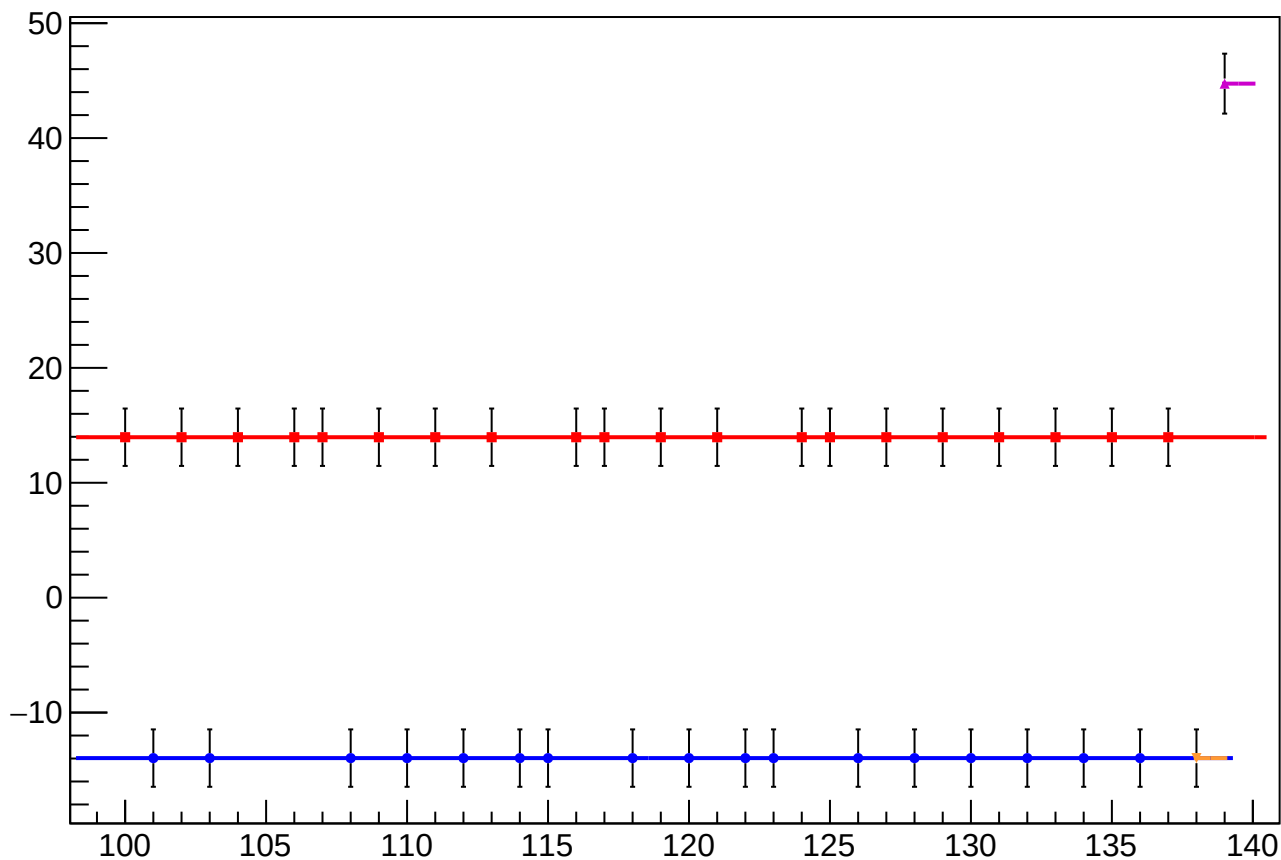
Left In: -0.271 ± 0.028 χ^2/NDF : 0.0/0

-0.097 ± 0.015 χ^2/NDF : 1082.5/17

0.029 ± 0.011 χ^2/NDF : 2714.0/38

0.155 ± 0.015 χ^2/NDF : 1496.4/20

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -13.963 ± 0.606 χ^2/NDF : 0.0/16

Left Out: -13.963 ± 2.498 χ^2/NDF : 0.0/0

Right Out: 13.963 ± 0.559 χ^2/NDF : 0.0/19

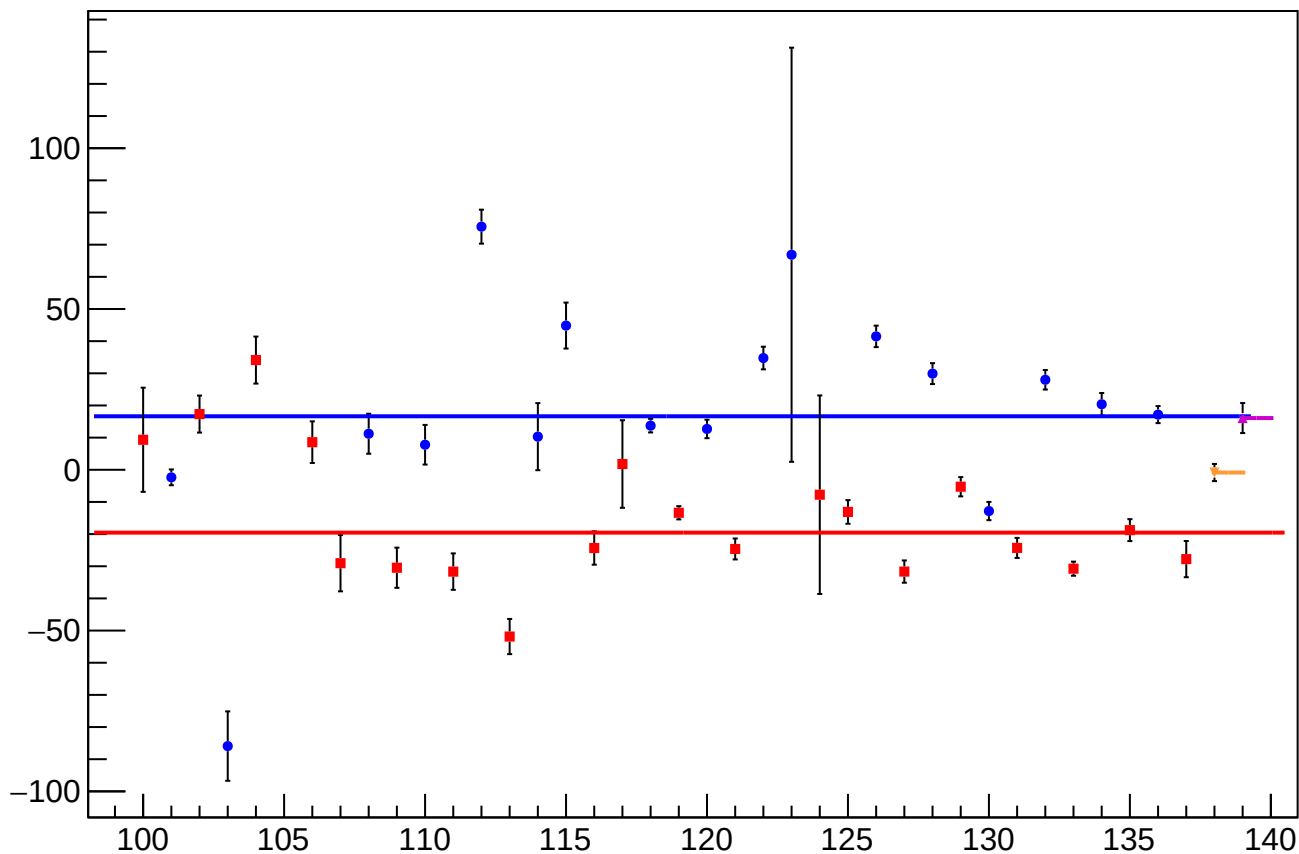
Left In: 44.738 ± 2.608 χ^2/NDF : 0.0/0

-13.963 ± 0.589 χ^2/NDF : 0.0/17

1.772 ± 0.400 χ^2/NDF : 1462.3/38

15.313 ± 0.546 χ^2/NDF : 133.1/20

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 $\pm$ 0.859 χ^2 /NDF: 518.9/16

Left Out: -0.854 $\pm$ 2.672 χ^2 /NDF: 0.0/0

Right Out: -19.540 $\pm$ 0.894 χ^2 /NDF: 244.1/19

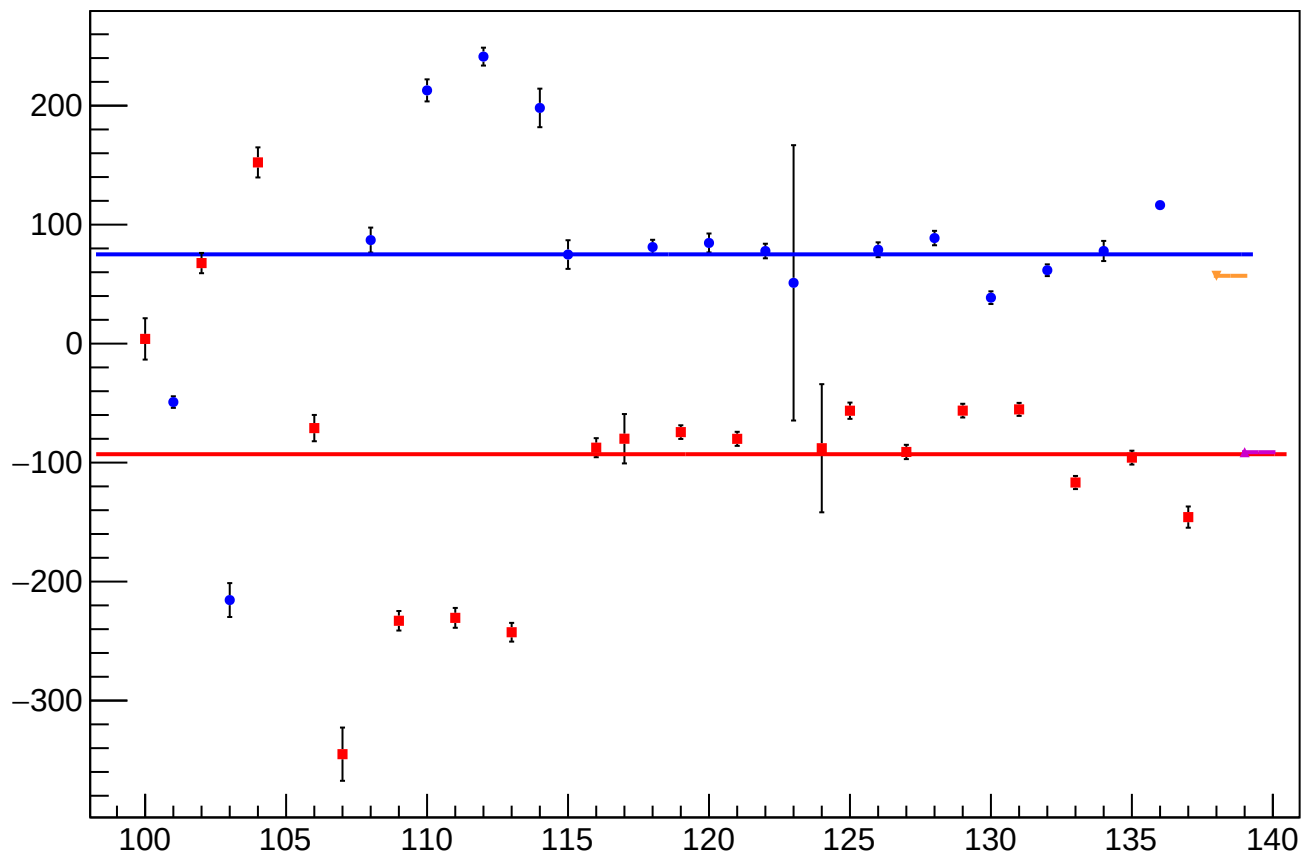
Left In: 16.088 $\pm$ 4.665 χ^2 /NDF: 0.0/0

15.003 $\pm$ 0.817 χ^2 /NDF: 557.8/17

-0.445 $\pm$ 0.598 χ^2 /NDF: 1627.4/38

-18.277 $\pm$ 0.878 χ^2 /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: 57.002 $\pm$ 2.710 χ^2 /NDF:0.0/0

Right Out: -92.940 $\pm$ 1.706 χ^2 /NDF: 2004.0/19

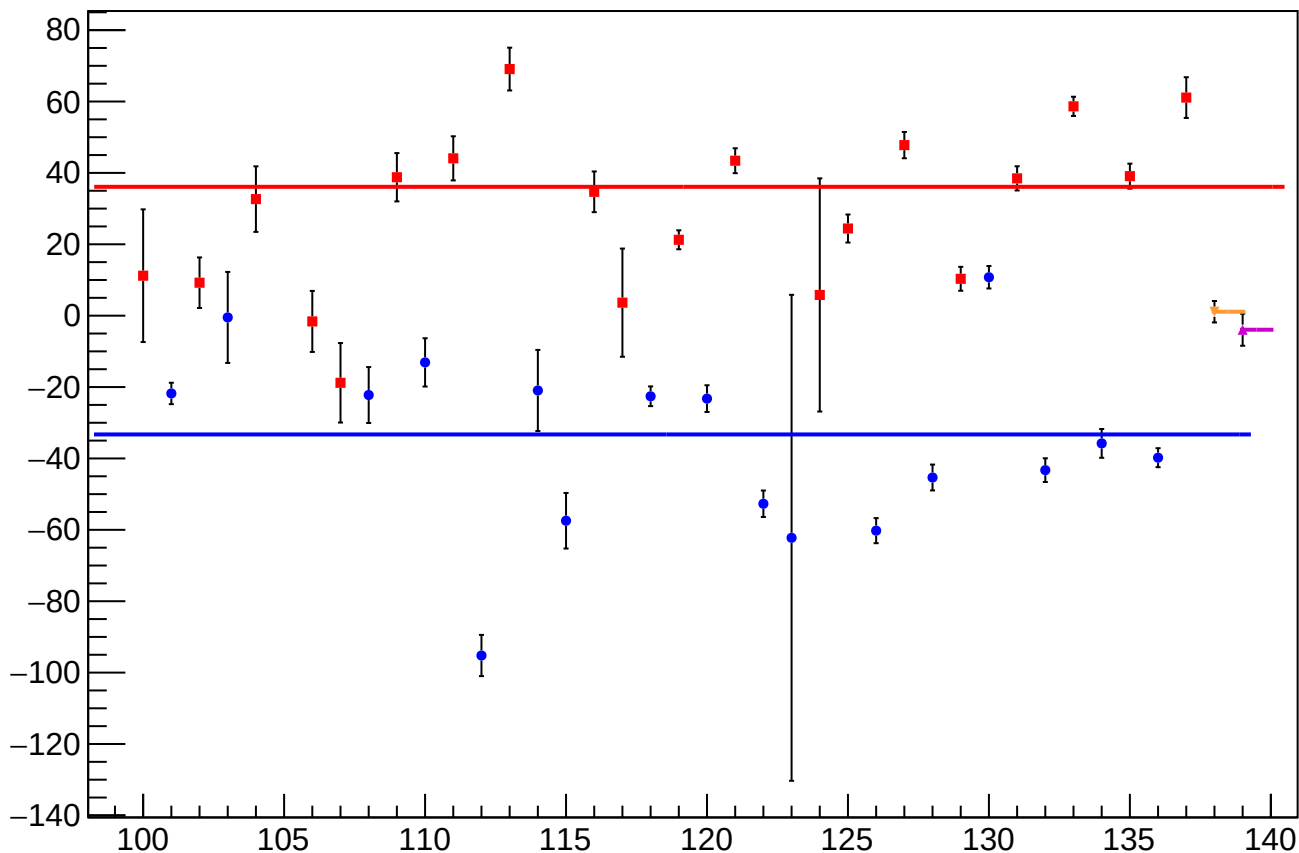
Left In: -91.261 $\pm$ 2.826 χ^2 /NDF:0.0/0

70.170 $\pm$ 1.407 χ^2 /NDF: 2032.0/17

-8.147 $\pm$ 1.013 χ^2 /NDF: 10469.9/38

-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: 1.110 ± 3.007 χ^2/NDF : 0.0/0

Right Out: 36.103 ± 1.022 χ^2/NDF : 302.3/19

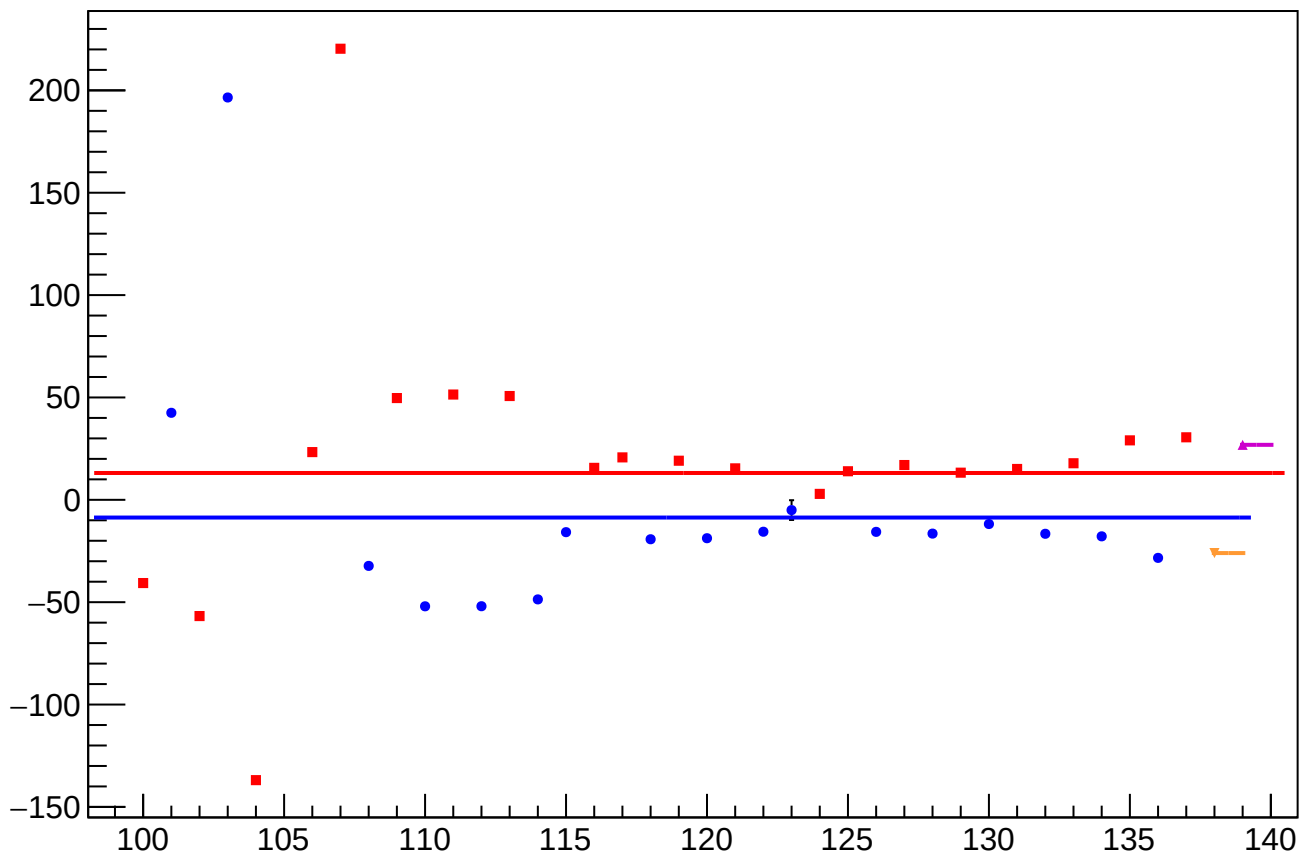
Left In: -3.938 ± 4.489 χ^2/NDF : 0.0/0

-29.959 ± 0.933 χ^2/NDF : 607.5/17

0.006 ± 0.681 χ^2/NDF : 3189.4/38

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 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -26.005 ± 0.105 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 13.109 ± 0.062 $\chi^2/\text{NDF}: 558383.6/19$

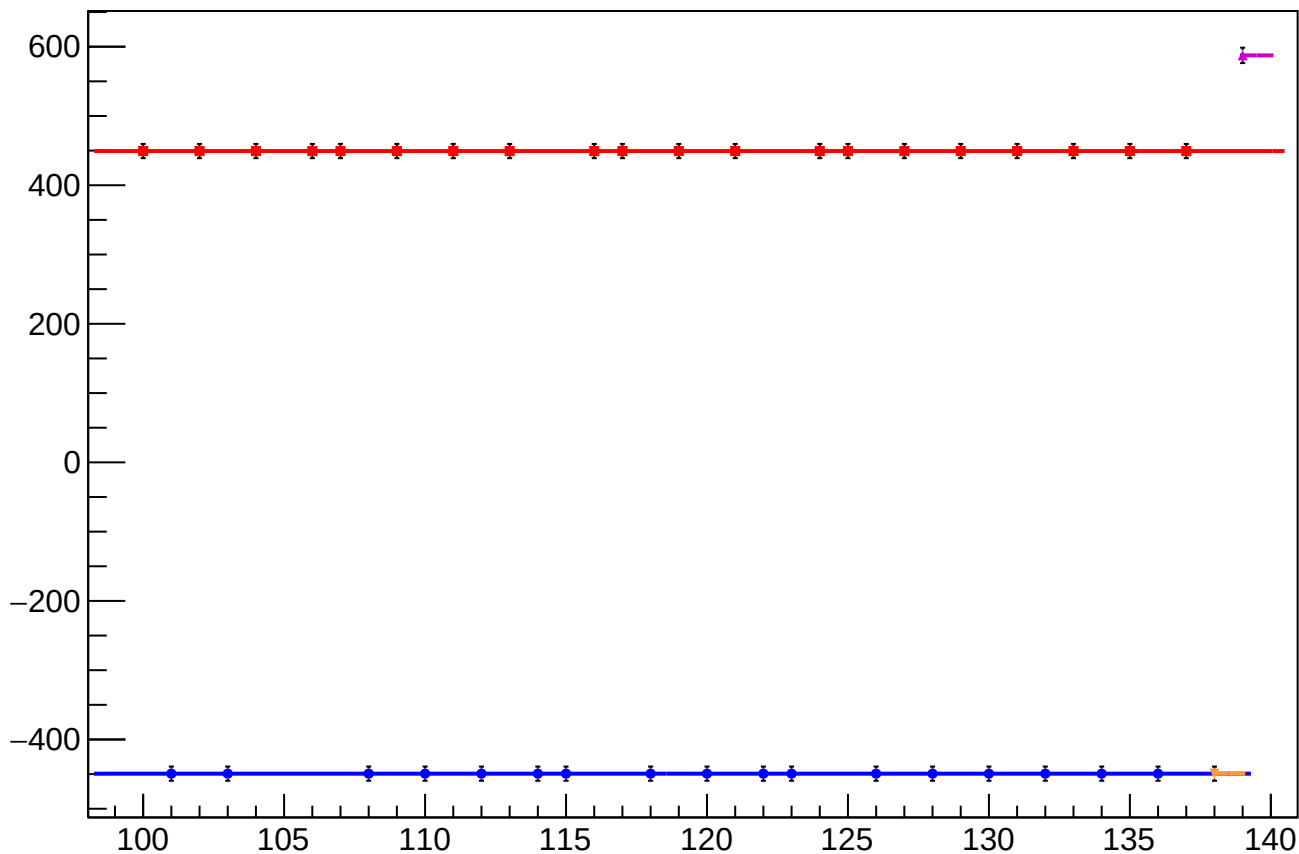
Left In: 26.857 ± 0.099 $\chi^2/\text{NDF}: 0.0/0$

-12.808 ± 0.052 $\chi^2/\text{NDF}: 596370.2/17$

1.826 ± 0.037 $\chi^2/\text{NDF}: 1332594.2/38$

16.947 ± 0.052 $\chi^2/\text{NDF}: 572246.6/20$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -449.364 $\pm$ 2.496 χ^2 /NDF: 0.0/16

Left Out: -449.364 $\pm$ 10.293 χ^2 /NDF: 0.0/0

Right Out: 449.364 $\pm$ 2.301 χ^2 /NDF: 0.0/19

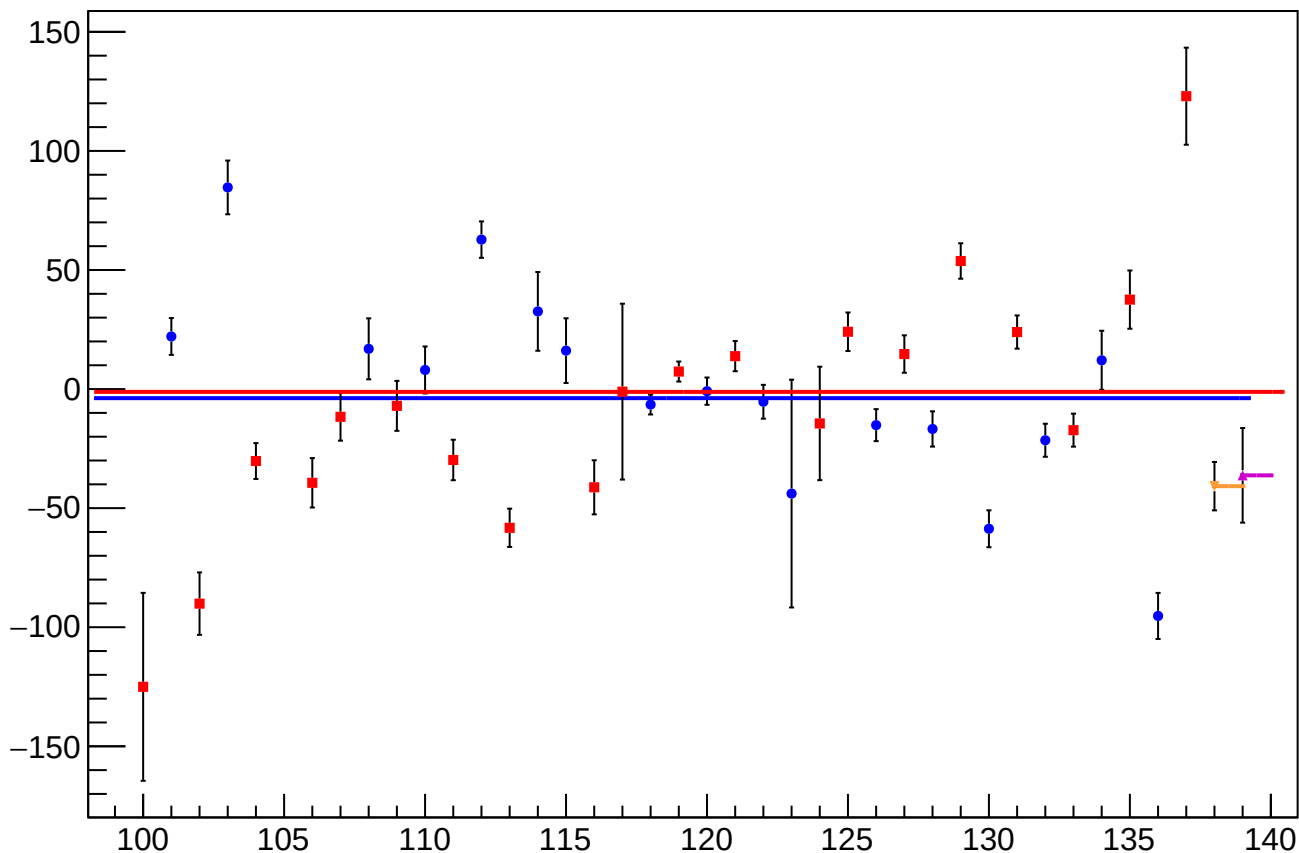
Left In: 587.475 $\pm$ 11.115 χ^2 /NDF: 0.0/0

-449.364 $\pm$ 2.426 χ^2 /NDF: 0.0/17

36.092 $\pm$ 1.651 χ^2 /NDF: 74748.6/38

455.041 $\pm$ 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: -40.770 ± 10.163 χ^2/NDF : 0.0/0

Right Out: -1.175 ± 1.911 χ^2/NDF : 303.9/19

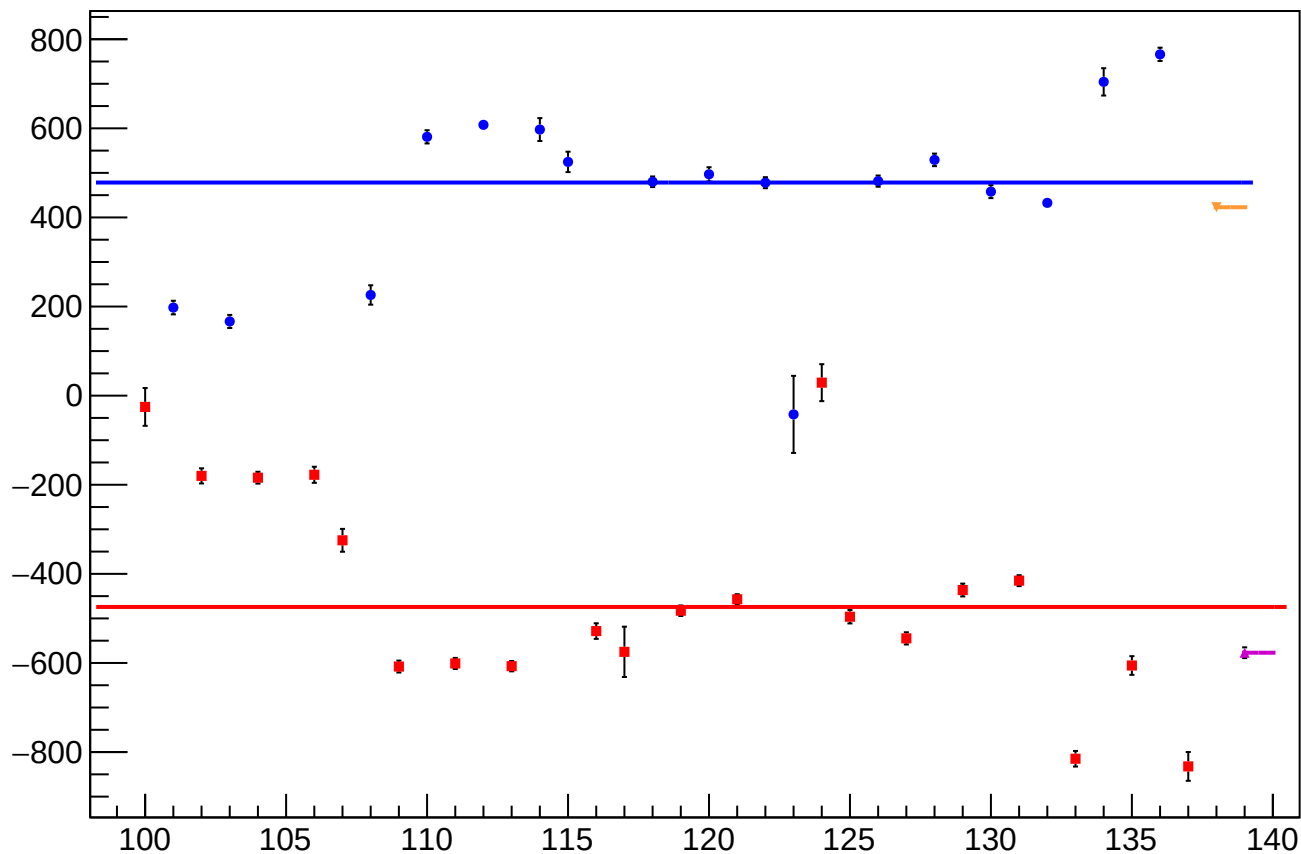
Left In: -36.229 ± 19.865 χ^2/NDF : 0.0/0

-5.092 ± 1.889 χ^2/NDF : 327.1/17

-3.307 ± 1.341 χ^2/NDF : 635.8/38

-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: 422.918+/-11.157 χ^2/NDF : 0.0/0

Right Out: -474.296+/-3.524 χ^2/NDF : 2288.2/19

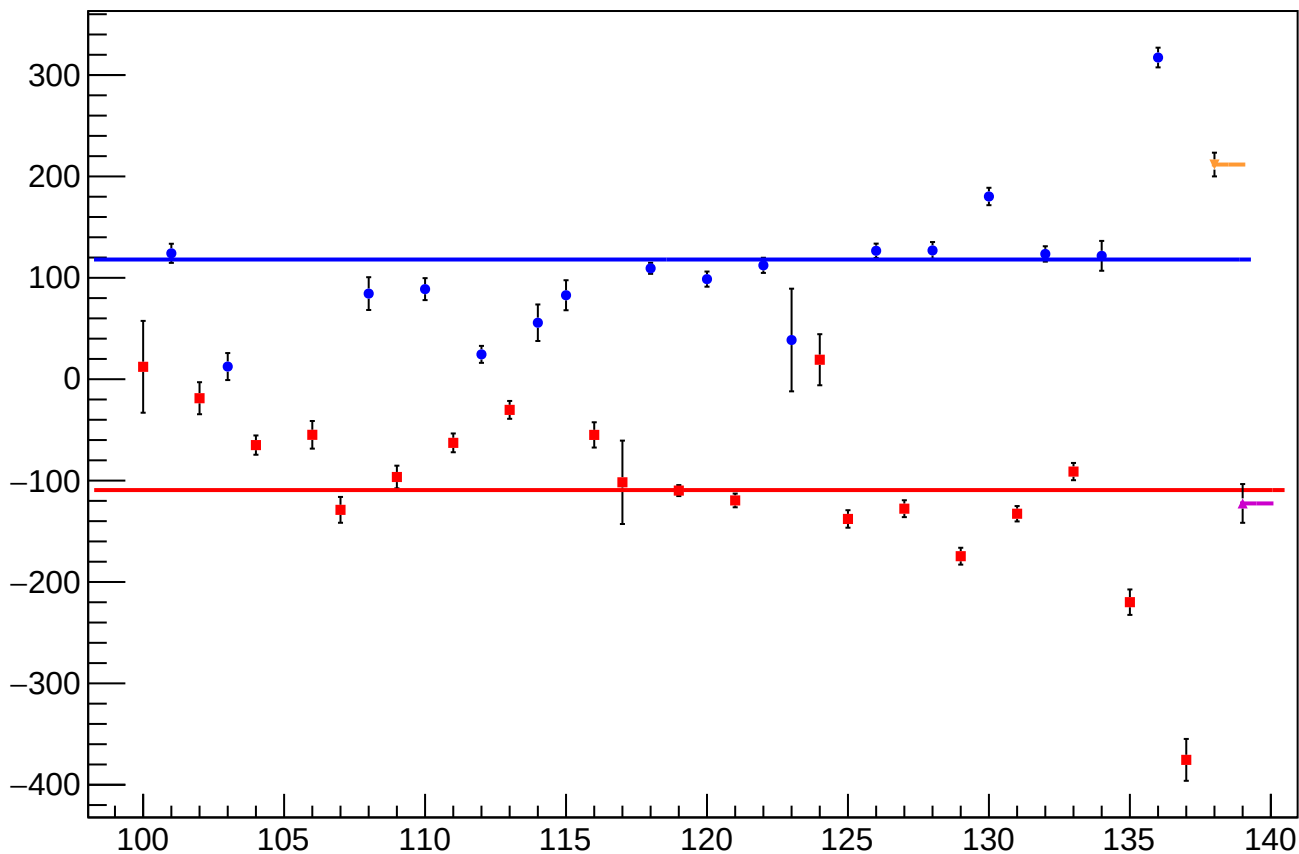
Left In: -577.011+/-12.050 χ^2/NDF : 0.0/0

472.945+/-3.479 χ^2/NDF : 1651.1/17

-18.228+/-2.425 χ^2/NDF : 42765.0/38

-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: 211.735+/-11.699 χ^2/NDF : 0.0/0

Right Out: -109.345+/-2.202 χ^2/NDF : 569.8/19

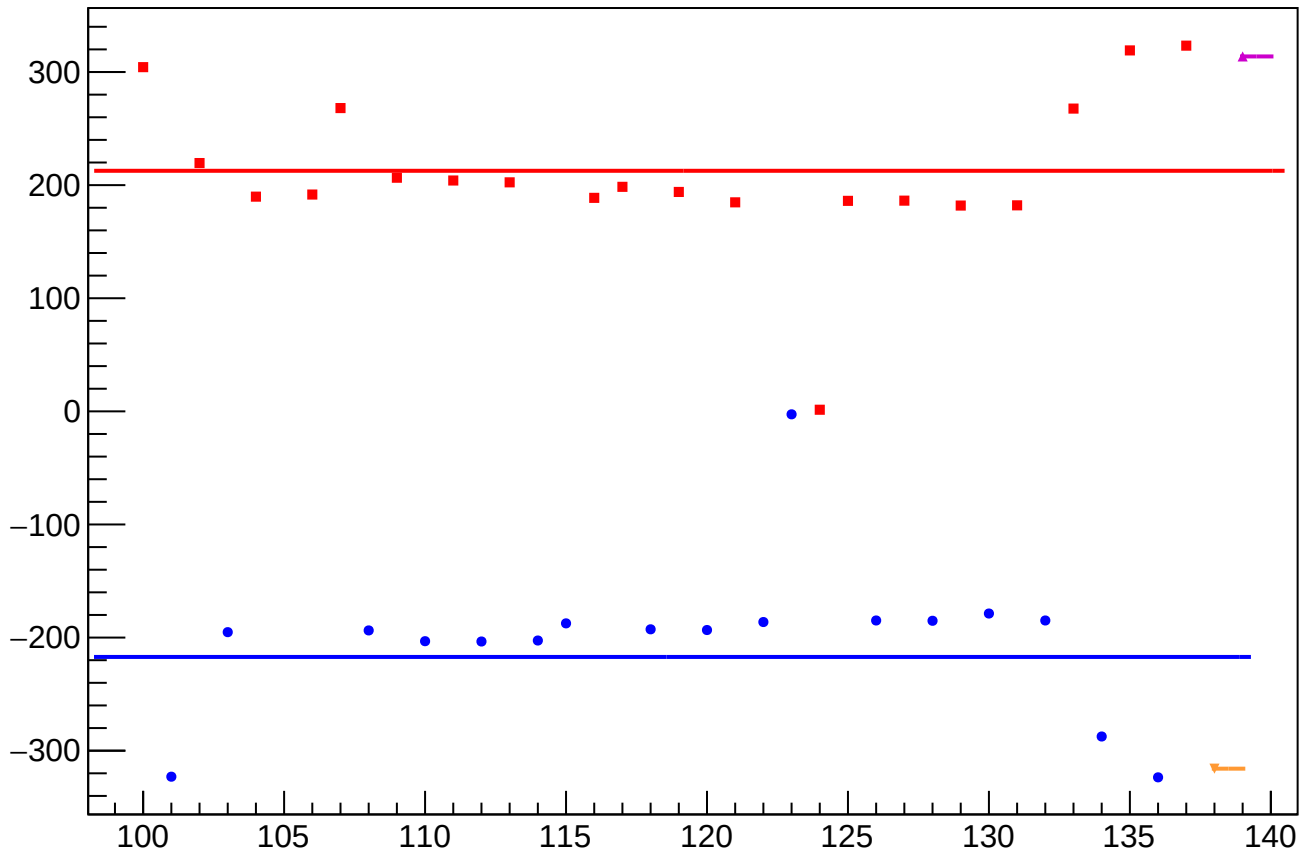
Left In: -122.520+/-19.110 χ^2/NDF : 0.0/0

121.326+/-2.186 χ^2/NDF : 767.2/17

5.963+/-1.546 χ^2/NDF : 6909.7/38

-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 χ^2/NDF : 146559.7/16

Left Out: -315.891+/-0.443 χ^2/NDF : 0.0/0

Right Out: 212.679+/-0.130 χ^2/NDF : 115596.4/19

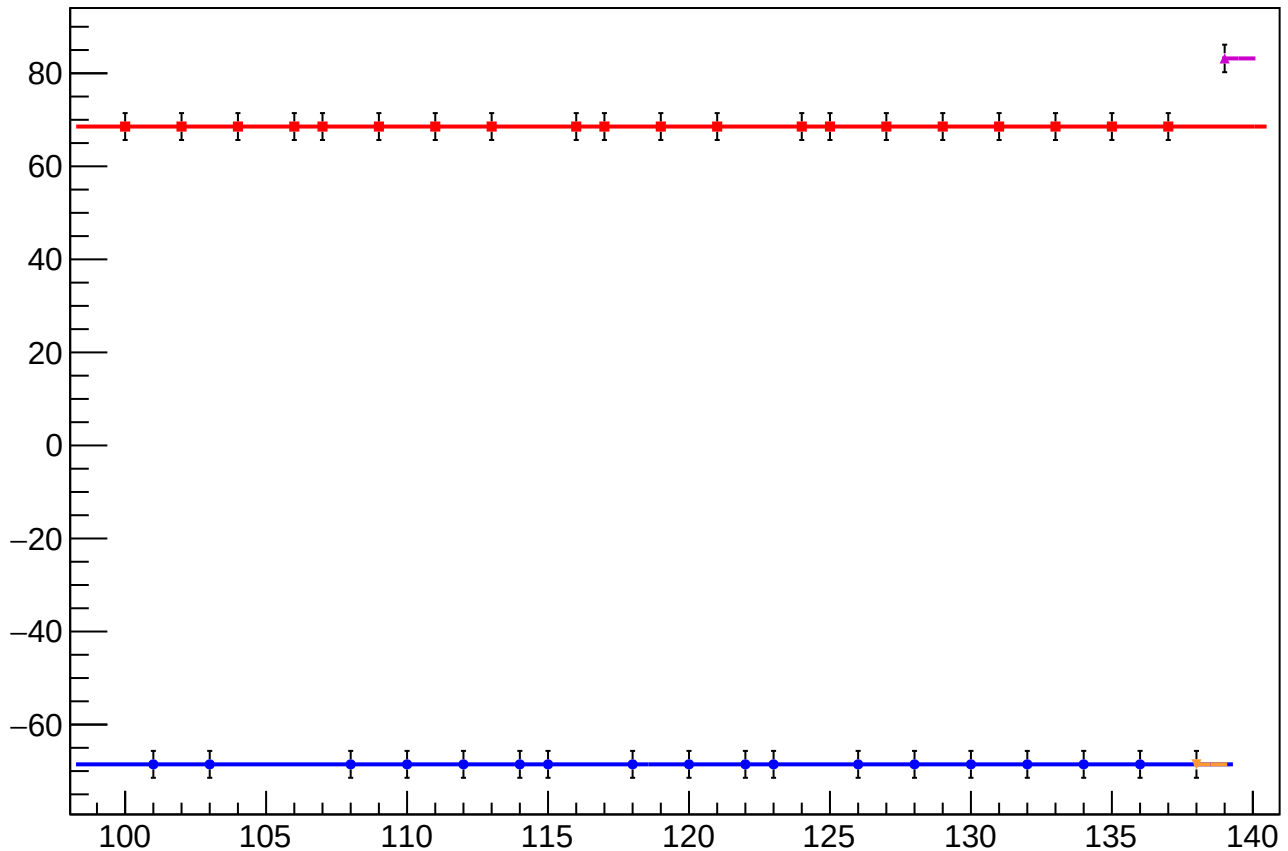
Left In: 313.777+/-0.422 χ^2/NDF : 0.0/0

-225.679+/-0.131 χ^2/NDF : 191881.1/17

8.883+/-0.090 χ^2/NDF : 6515768.7/38

221.440+/-0.124 χ^2/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: -68.551 ± 2.892 χ^2/NDF : 0.0/0

Right Out: 68.551 ± 0.647 χ^2/NDF : 0.0/19

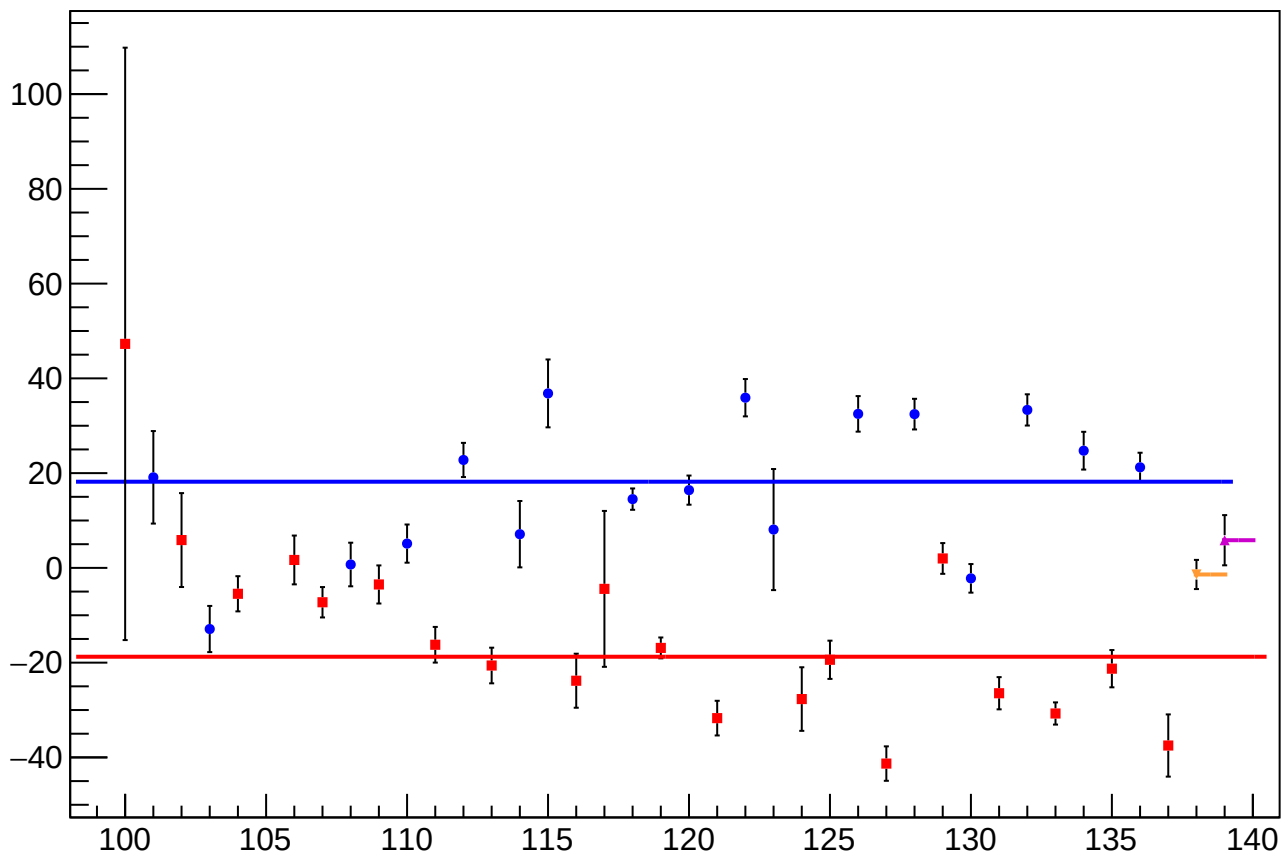
Left In: 83.193 ± 2.958 χ^2/NDF : 0.0/0

-68.551 ± 0.682 χ^2/NDF : 0.0/17

5.560 ± 0.463 χ^2/NDF : 22001.4/38

69.219 ± 0.632 χ^2/NDF : 23.4/20

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 $\pm$ 0.917 χ^2/NDF : 204.9/16

Left Out: -1.391 $\pm$ 3.079 χ^2/NDF : 0.0/0

Right Out: -18.752 $\pm$ 0.862 χ^2/NDF : 199.5/19

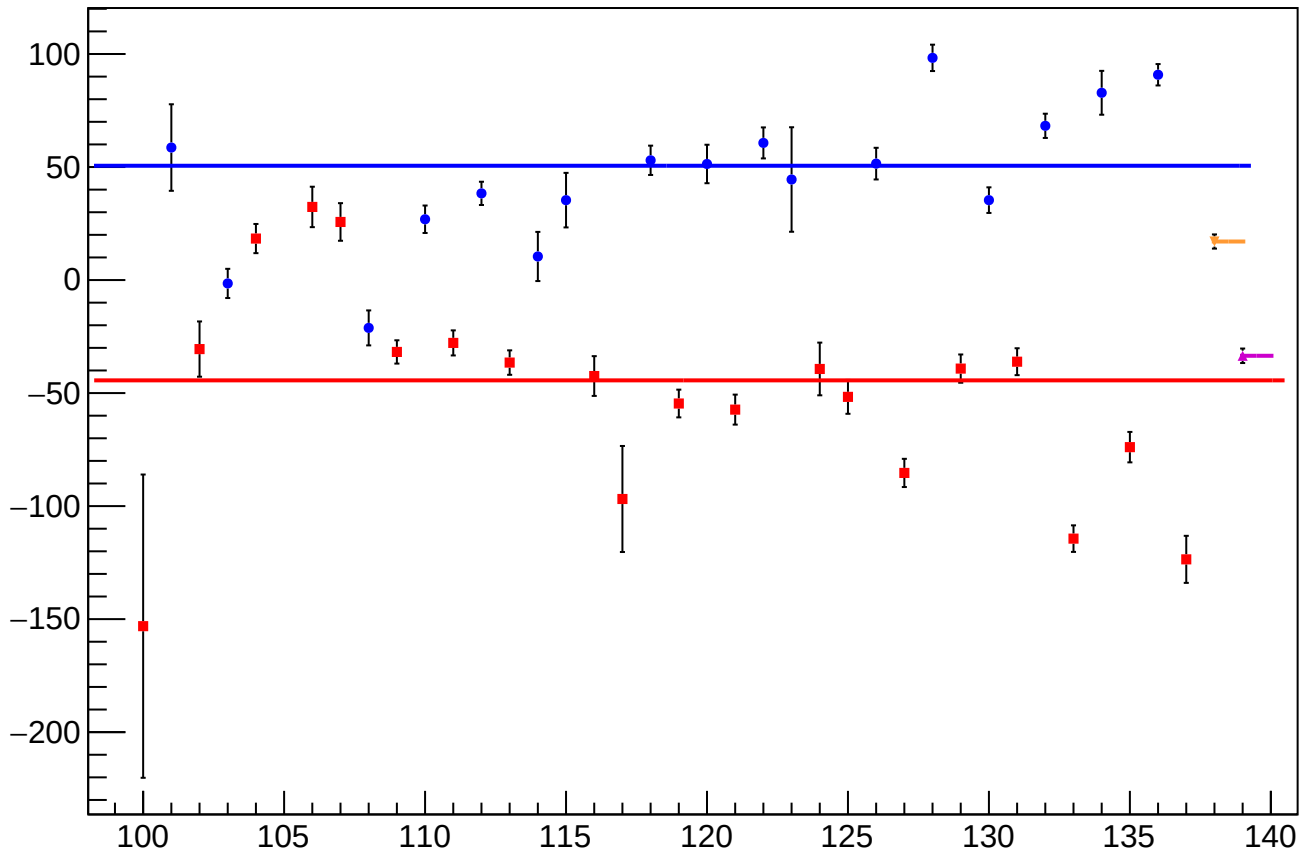
Left In: 5.841 $\pm$ 5.298 χ^2/NDF : 0.0/0

16.592 $\pm$ 0.879 χ^2/NDF : 242.0/17

-1.339 $\pm$ 0.611 χ^2/NDF : 1268.0/38

-18.118 $\pm$ 0.850 χ^2/NDF : 220.5/20

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: 17.050 $\pm$ 3.137 χ^2 /NDF: 0.0/0

Right Out: -44.377 $\pm$ 1.599 χ^2 /NDF: 537.6/19

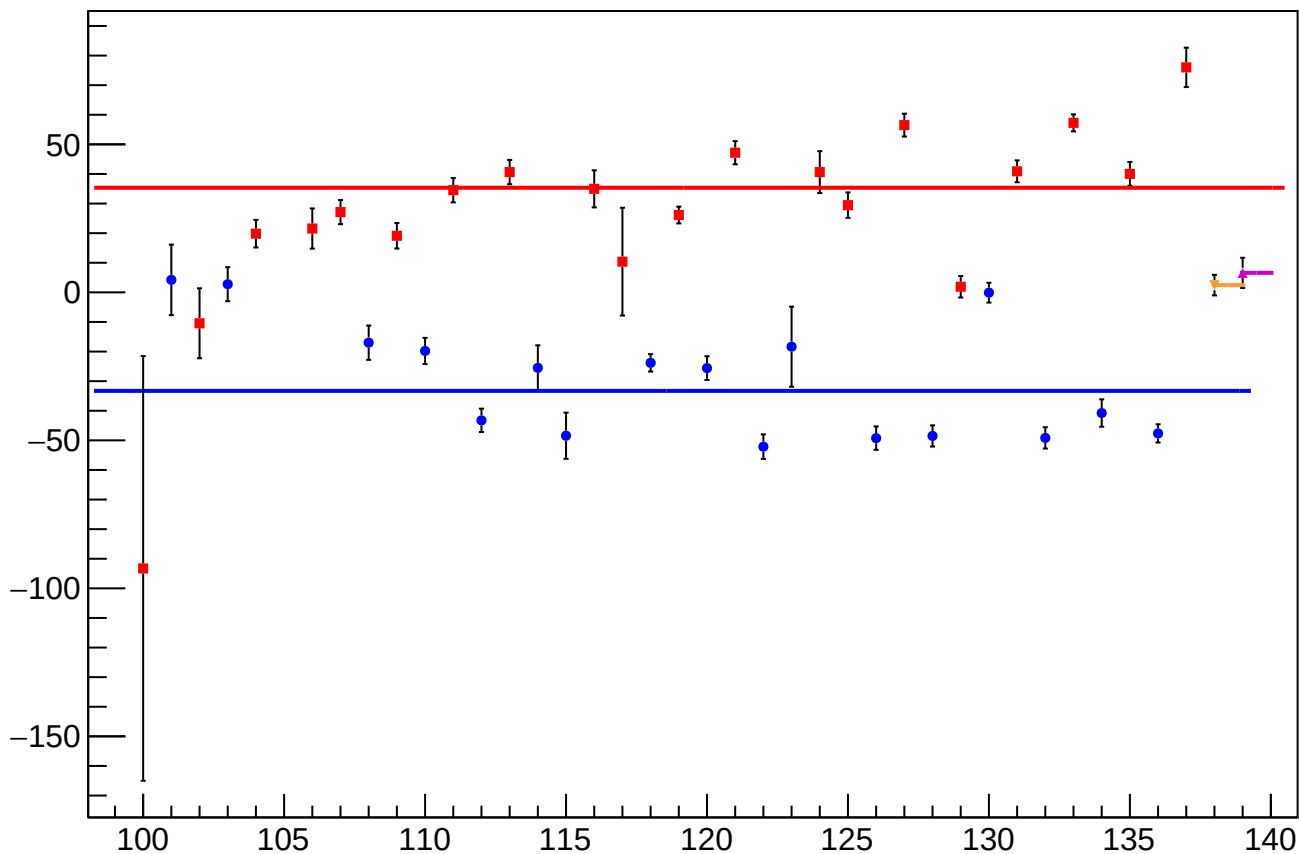
Left In: -33.503 $\pm$ 3.206 χ^2 /NDF: 0.0/0

43.110 $\pm$ 1.479 χ^2 /NDF: 446.7/17

-0.974 $\pm$ 1.028 χ^2 /NDF: 2712.4/38

-42.211 $\pm$ 1.431 χ^2 /NDF: 546.8/20

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: 2.447 ± 3.471 χ^2/NDF : 0.0/0

Right Out: 35.343 ± 0.990 χ^2/NDF : 291.6/19

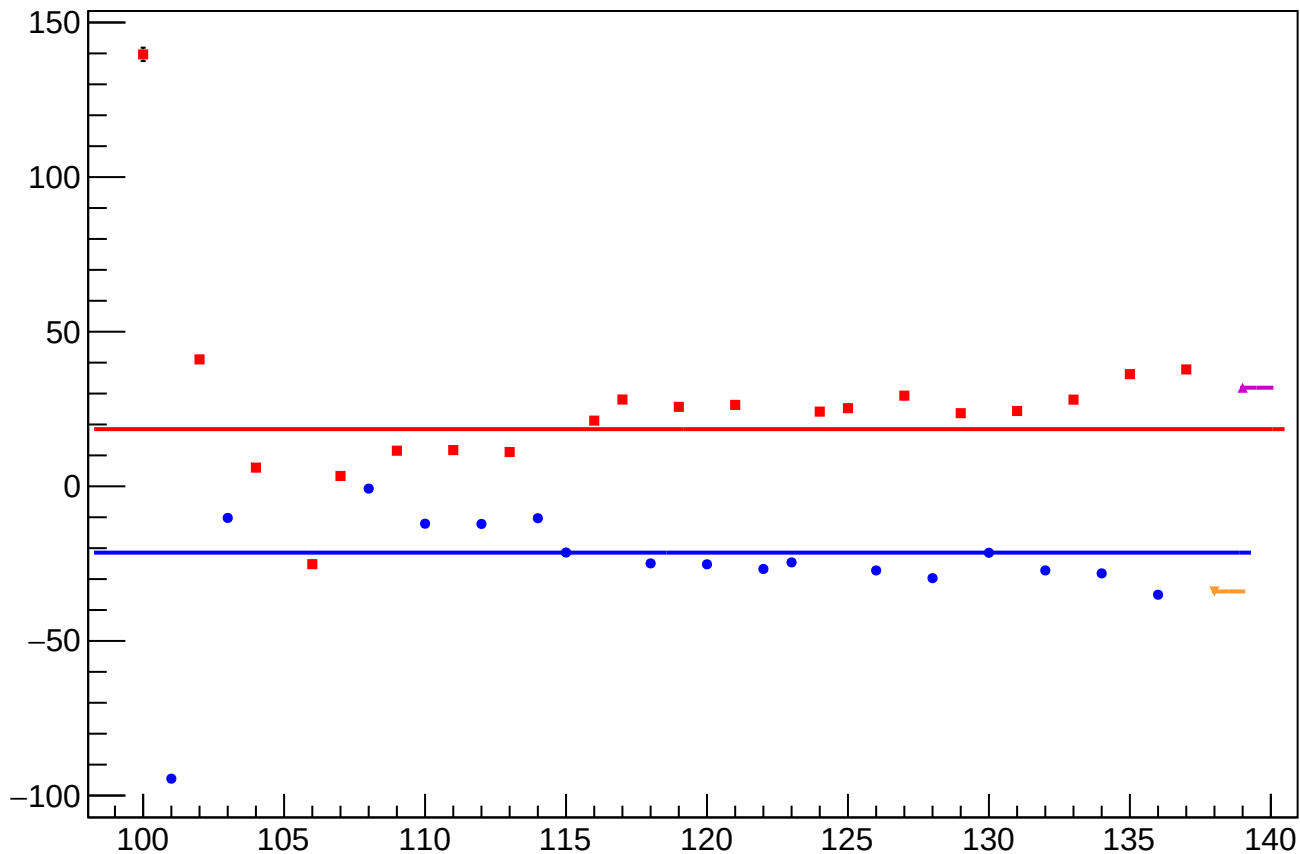
Left In: 6.587 ± 5.098 χ^2/NDF : 0.0/0

-30.320 ± 0.999 χ^2/NDF : 387.3/17

2.893 ± 0.697 χ^2/NDF : 2858.7/38

34.299 ± 0.972 χ^2/NDF : 322.3/20

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -34.003 ± 0.122 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

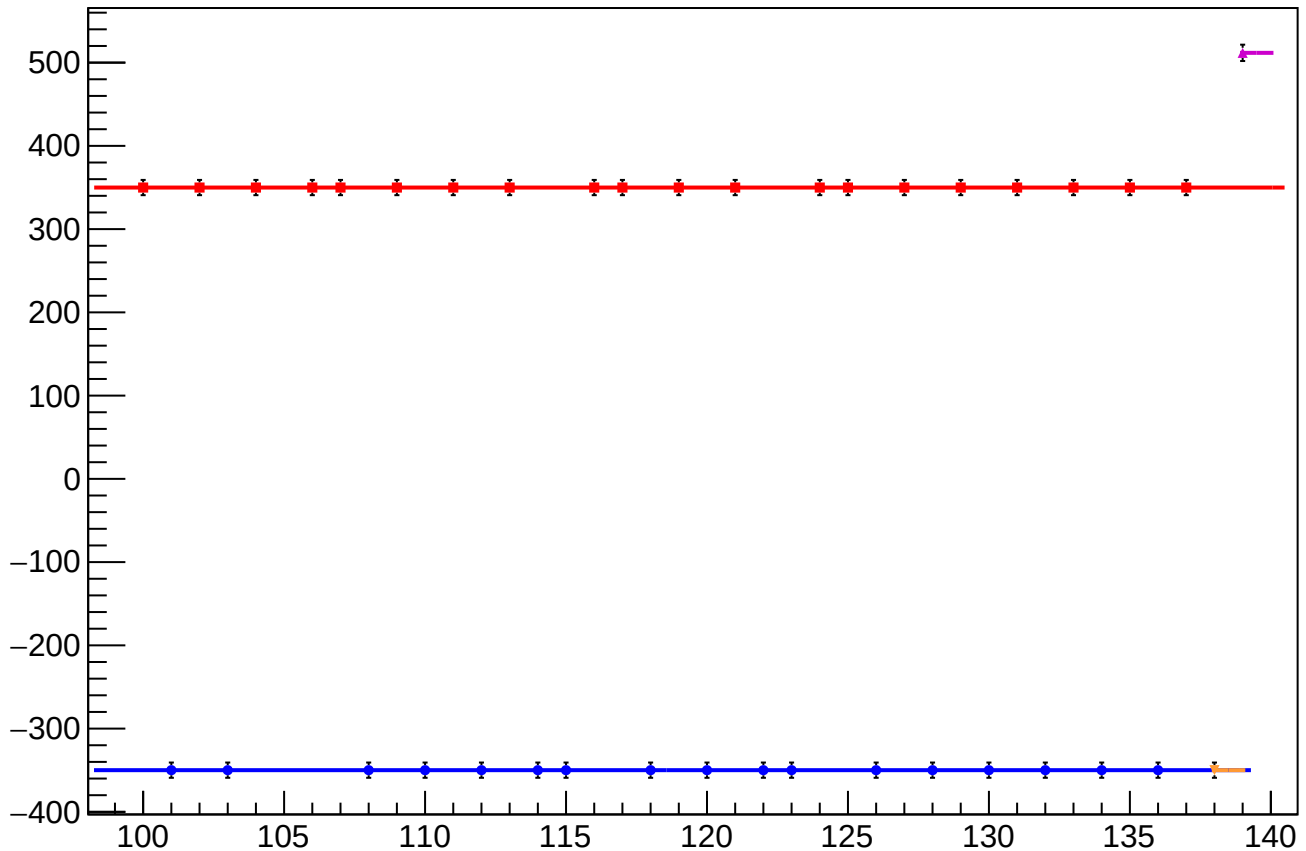
Left In: 31.889 ± 0.113 $\chi^2/\text{NDF}: 0.0/0$

-23.813 ± 0.053 $\chi^2/\text{NDF}: 57547.4/17$

-0.423 ± 0.037 $\chi^2/\text{NDF}: 523691.7/38$

21.250 ± 0.051 $\chi^2/\text{NDF}: 91805.6/20$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -349.933+/-2.223 χ^2/NDF : 0.0/16

Left Out: -349.933+/-9.166 χ^2/NDF : 0.0/0

Right Out: 349.933+/-2.049 χ^2/NDF : 0.0/19

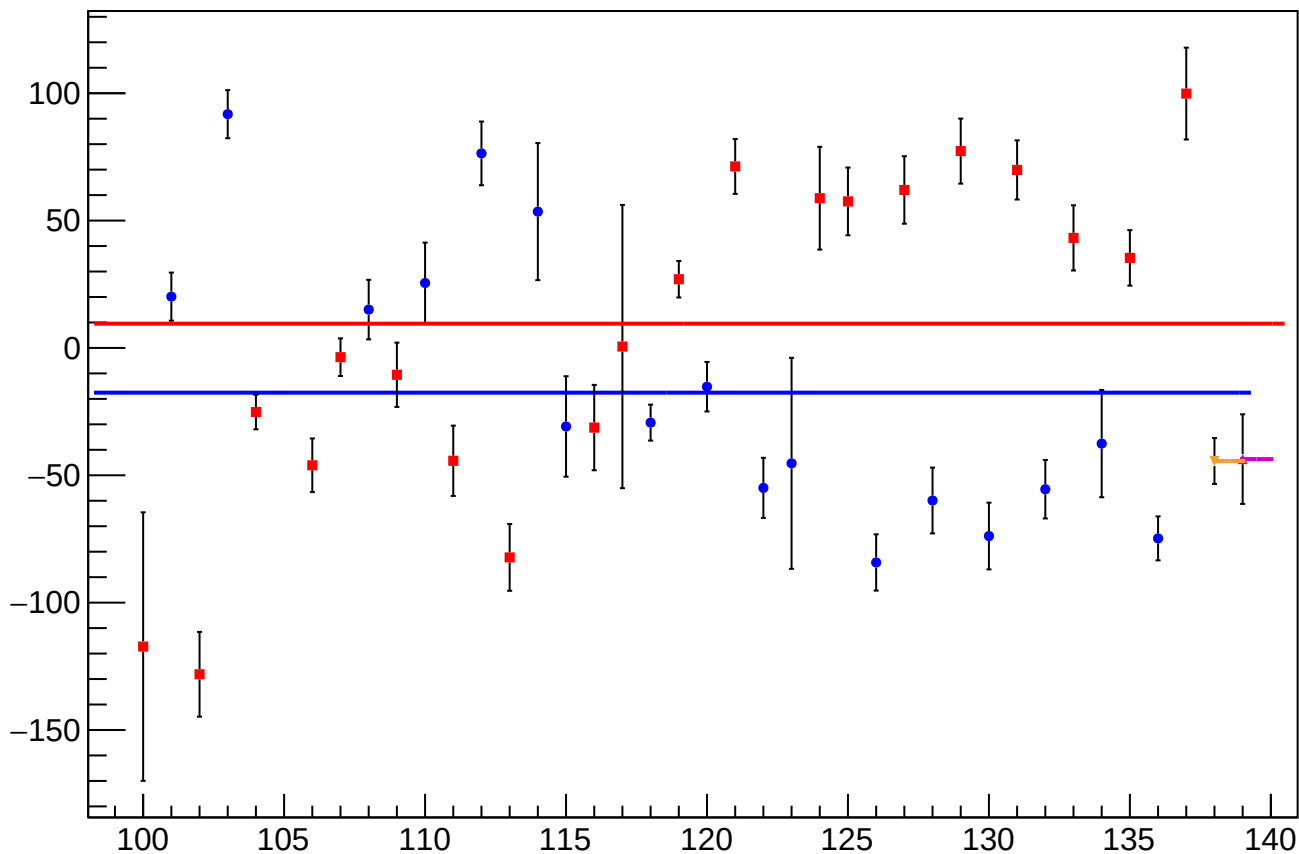
Left In: 511.738+/-9.823 χ^2/NDF : 0.0/0

-349.933+/-2.160 χ^2/NDF : 0.0/17

29.467+/-1.470 χ^2/NDF : 57702.1/38

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 χ^2/NDF : 363.7/16

Left Out: -44.385 ± 9.013 χ^2/NDF : 0.0/0

Right Out: 9.527 ± 2.606 χ^2/NDF : 370.3/19

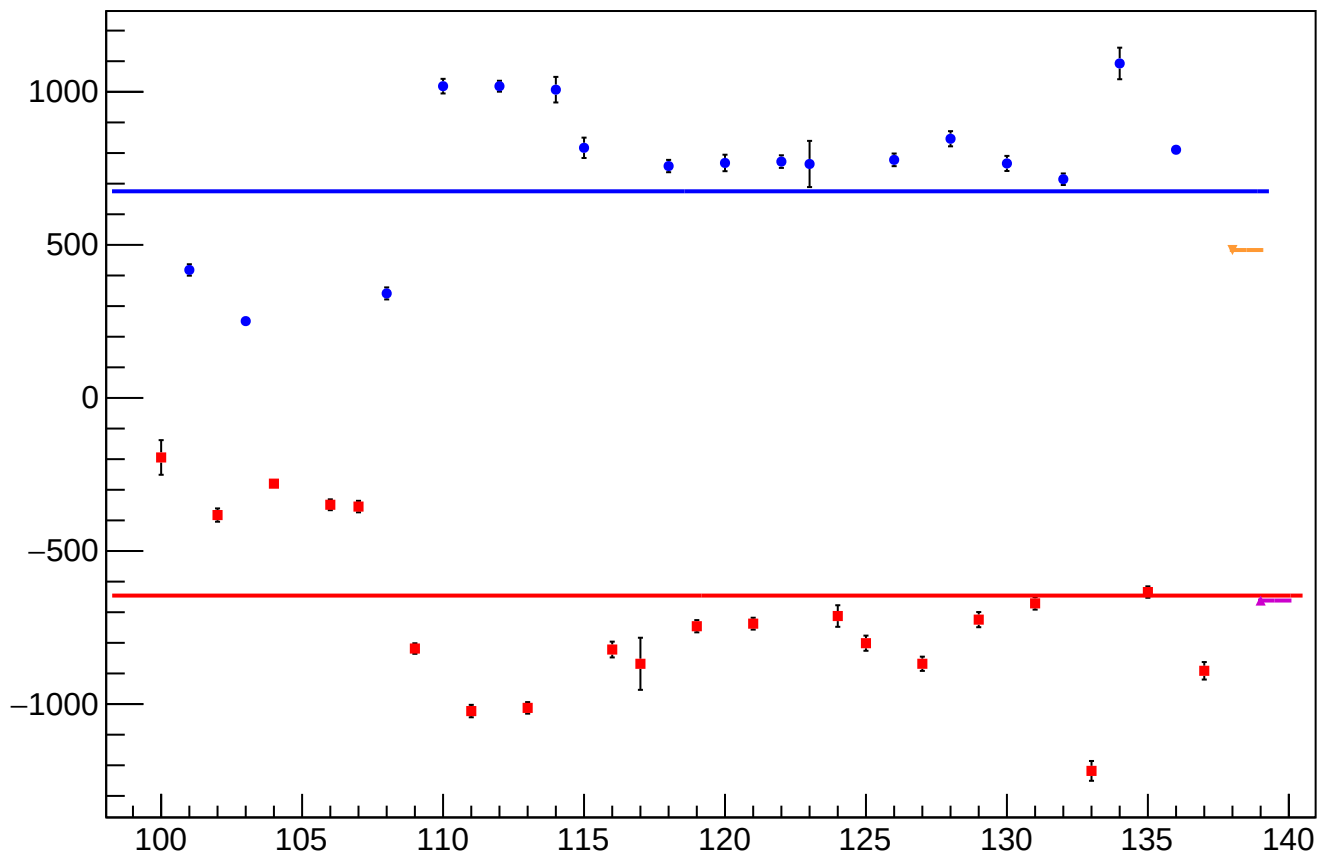
Left In: -43.644 ± 17.591 χ^2/NDF : 0.0/0

-19.956 ± 2.692 χ^2/NDF : 371.8/17

-5.173 ± 1.862 χ^2/NDF : 808.9/38

8.385 ± 2.578 χ^2/NDF : 379.2/20

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 483.194 $\pm$ 9.935 χ^2 /NDF: 0.0/0

Right Out: -645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

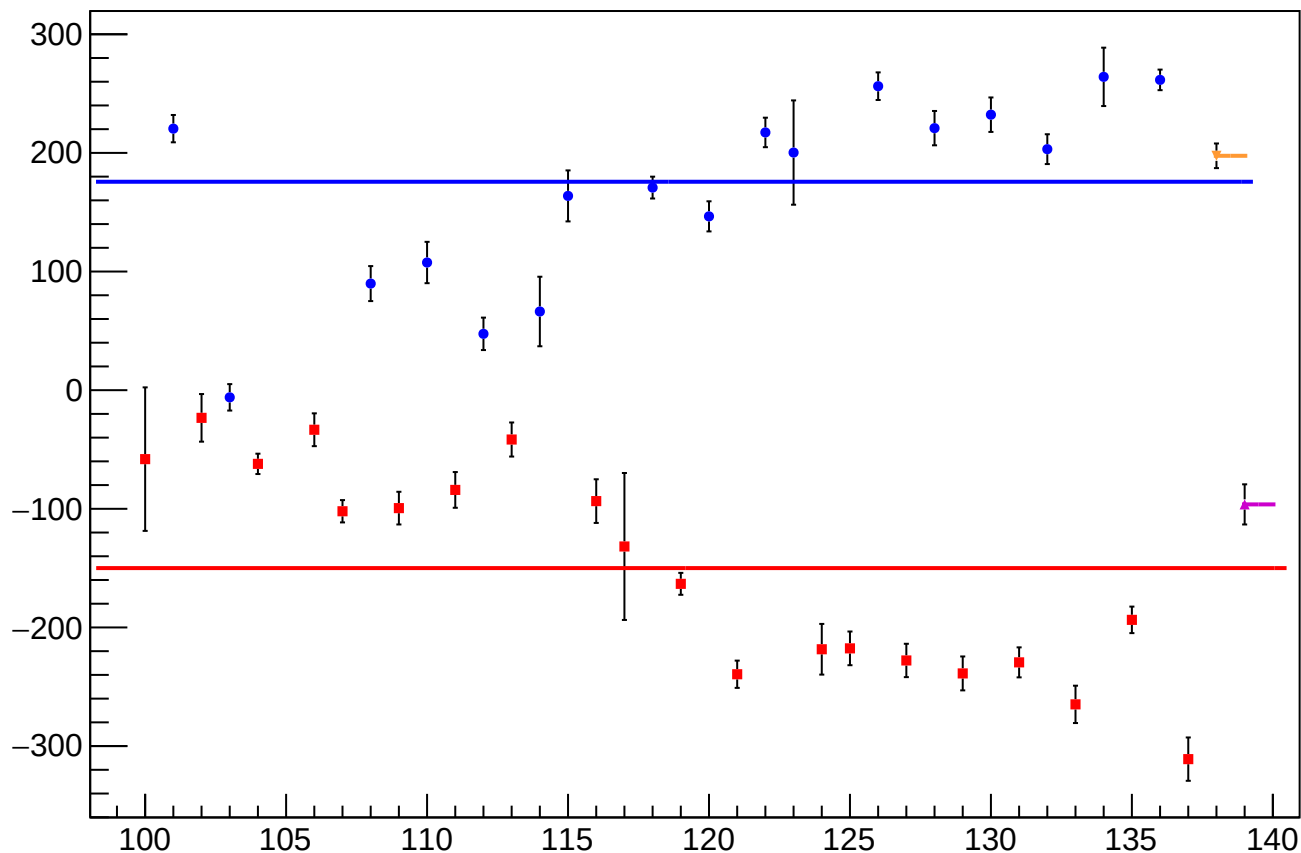
Left In: -661.806 $\pm$ 10.644 χ^2 /NDF: 0.0/0

635.440 $\pm$ 4.514 χ^2 /NDF: 2880.2/17

-31.582 $\pm$ 3.129 χ^2 /NDF: 48032.8/38

-648.306 $\pm$ 4.341 χ^2 /NDF: 3131.0/20

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 197.562 $\pm$ 10.384 χ^2 /NDF: 0.0/0

Right Out: -149.973 $\pm$ 3.038 χ^2 /NDF: 693.8/19

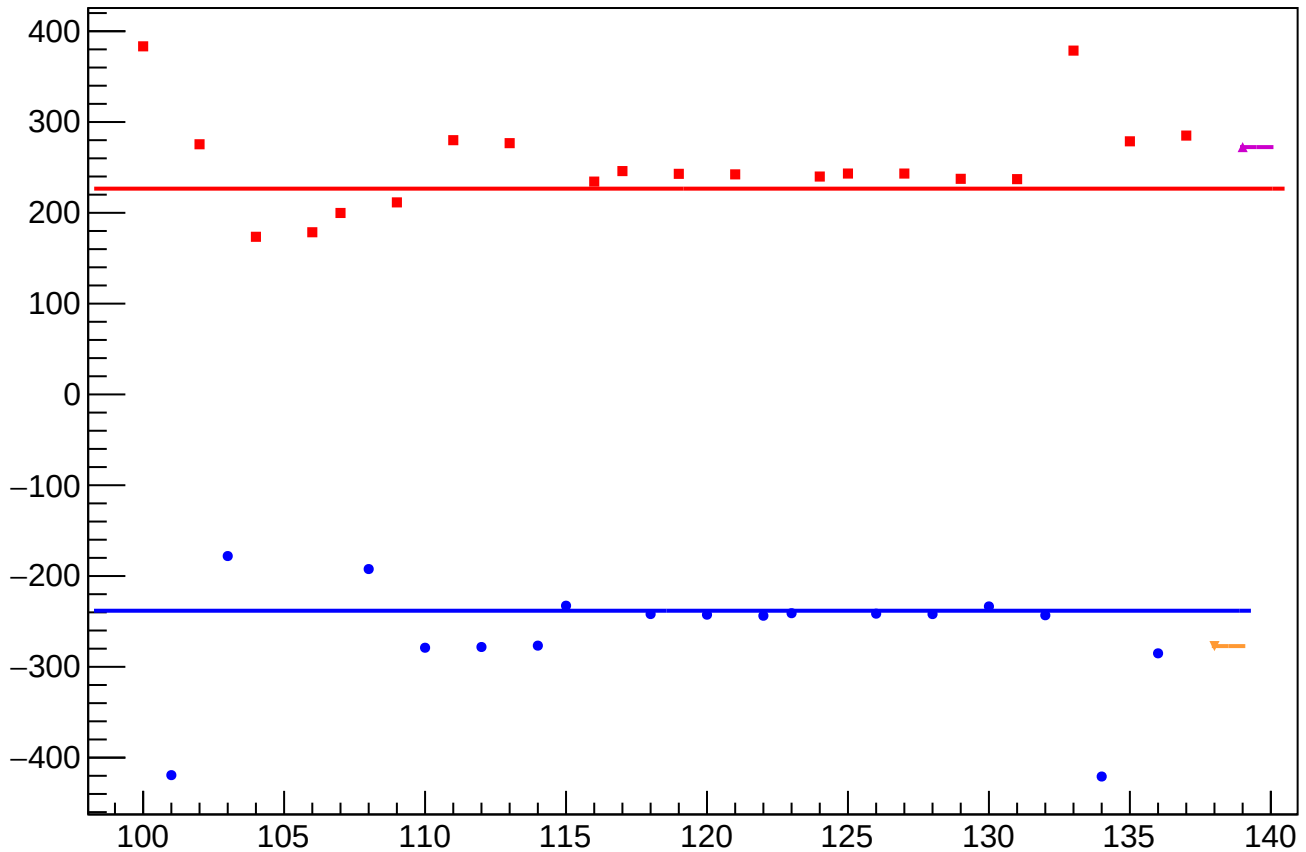
Left In: -96.283 $\pm$ 16.925 χ^2 /NDF: 0.0/0

177.625 $\pm$ 3.092 χ^2 /NDF: 642.0/17

9.239 $\pm$ 2.150 χ^2 /NDF: 7086.7/38

-148.297 $\pm$ 2.991 χ^2 /NDF: 703.6/20

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -277.162+/-0.395 χ^2/NDF : 0.0/0

Right Out: 226.626+/-0.151 χ^2/NDF : 102587.0/19

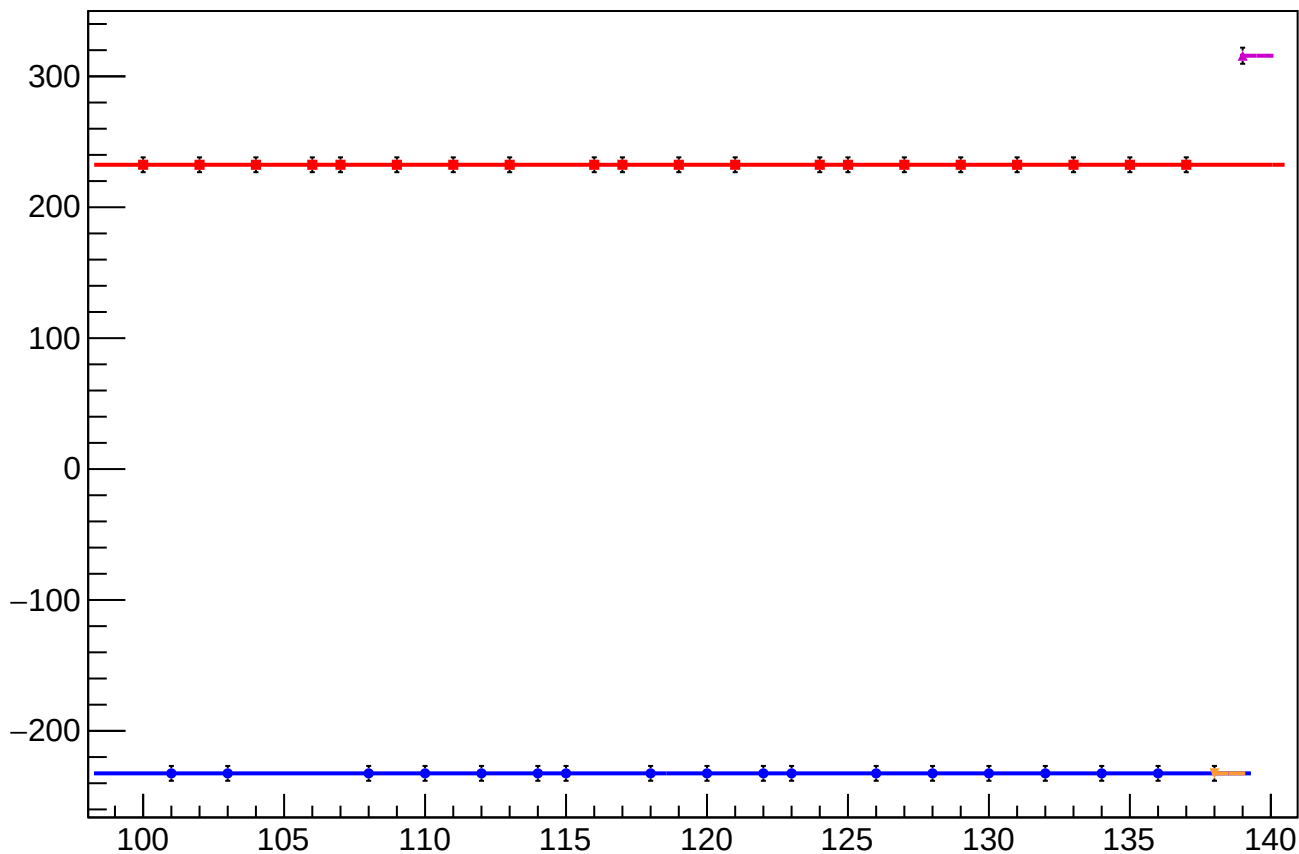
Left In: 272.386+/-0.374 χ^2/NDF : 0.0/0

-243.725+/-0.149 χ^2/NDF : 175451.7/17

8.795+/-0.102 χ^2/NDF : 5737377.7/38

233.049+/-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: -232.456±5.680 χ^2 /NDF:0.0/0

Right Out: 232.456±1.270 χ^2 /NDF: 0.0/19

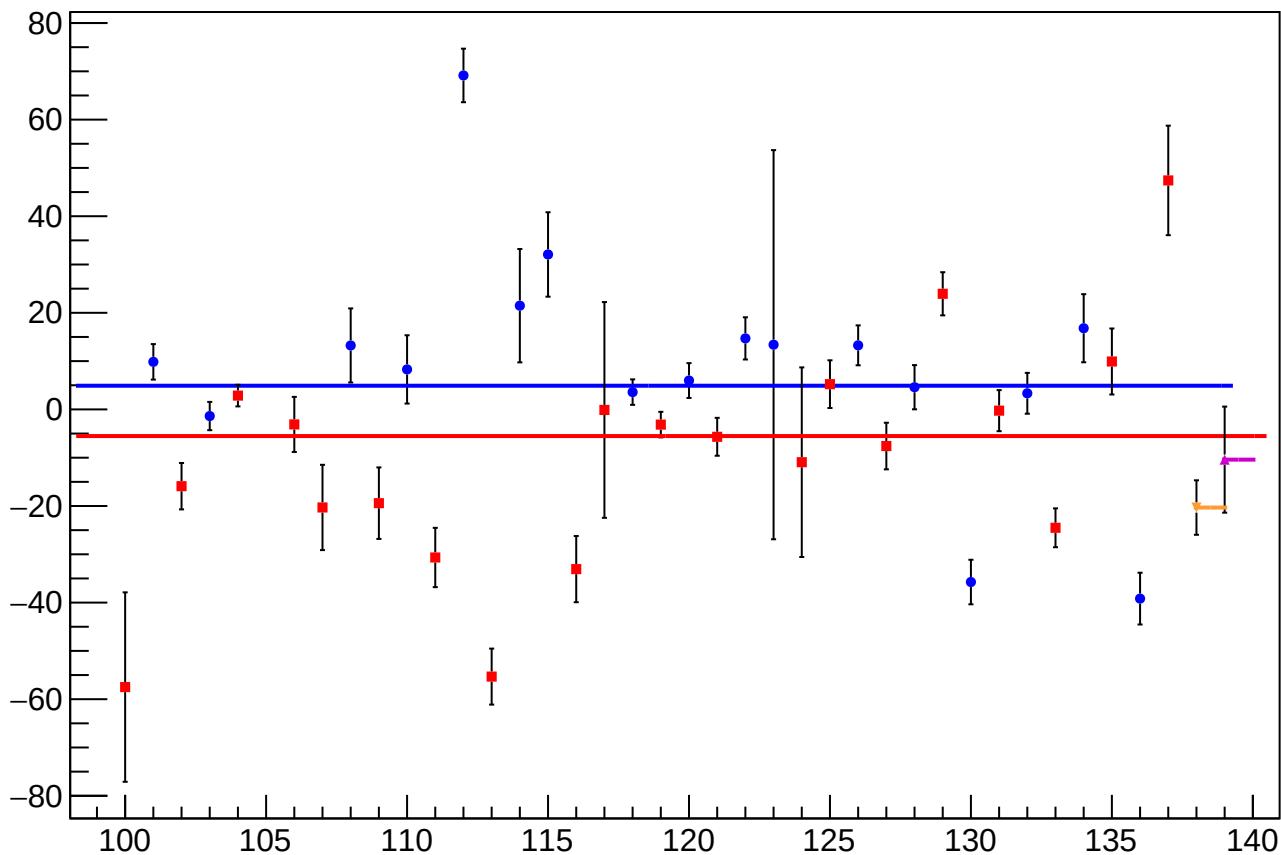
Left In: 315.763±6.147 χ^2 /NDF:0.0/0

-232.456±1.339 χ^2 /NDF: 0.0/17

18.907±0.911 χ^2 /NDF: 65843.3/38

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 $\pm$ 1.105 χ^2 /NDF: 311.7/16

Left Out: -20.320 $\pm$ 5.641 χ^2 /NDF: 0.0/0

Right Out: -5.517 $\pm$ 1.067 χ^2 /NDF: 239.0/19

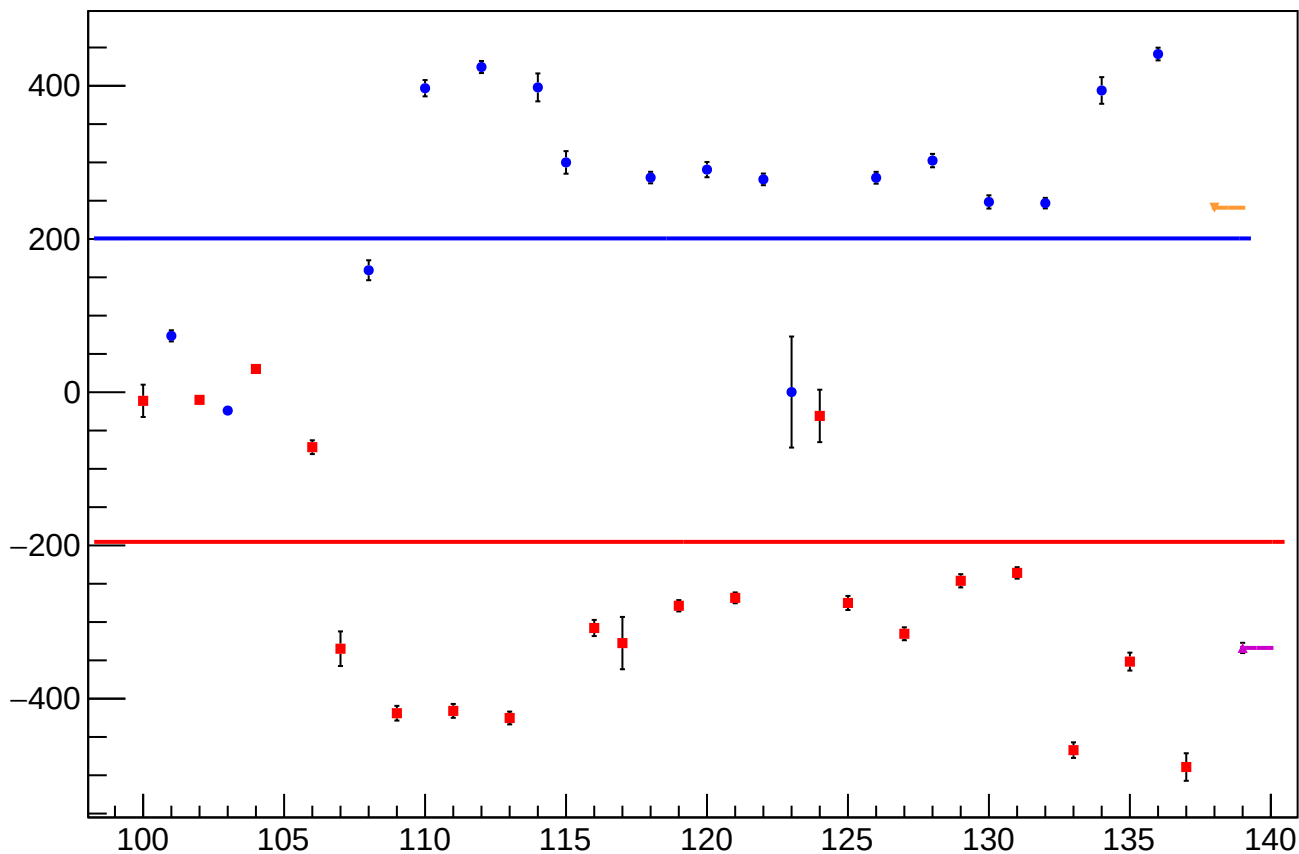
Left In: -10.399 $\pm$ 10.978 χ^2 /NDF: 0.0/0

3.972 $\pm$ 1.085 χ^2 /NDF: 330.9/17

-0.895 $\pm$ 0.759 χ^2 /NDF: 609.5/38

-5.563 $\pm$ 1.062 χ^2 /NDF: 239.2/20

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 240.873 $\pm$ 6.158 χ^2 /NDF: 0.0/0

Right Out: -195.311 $\pm$ 1.921 χ^2 /NDF: 8262.1/19

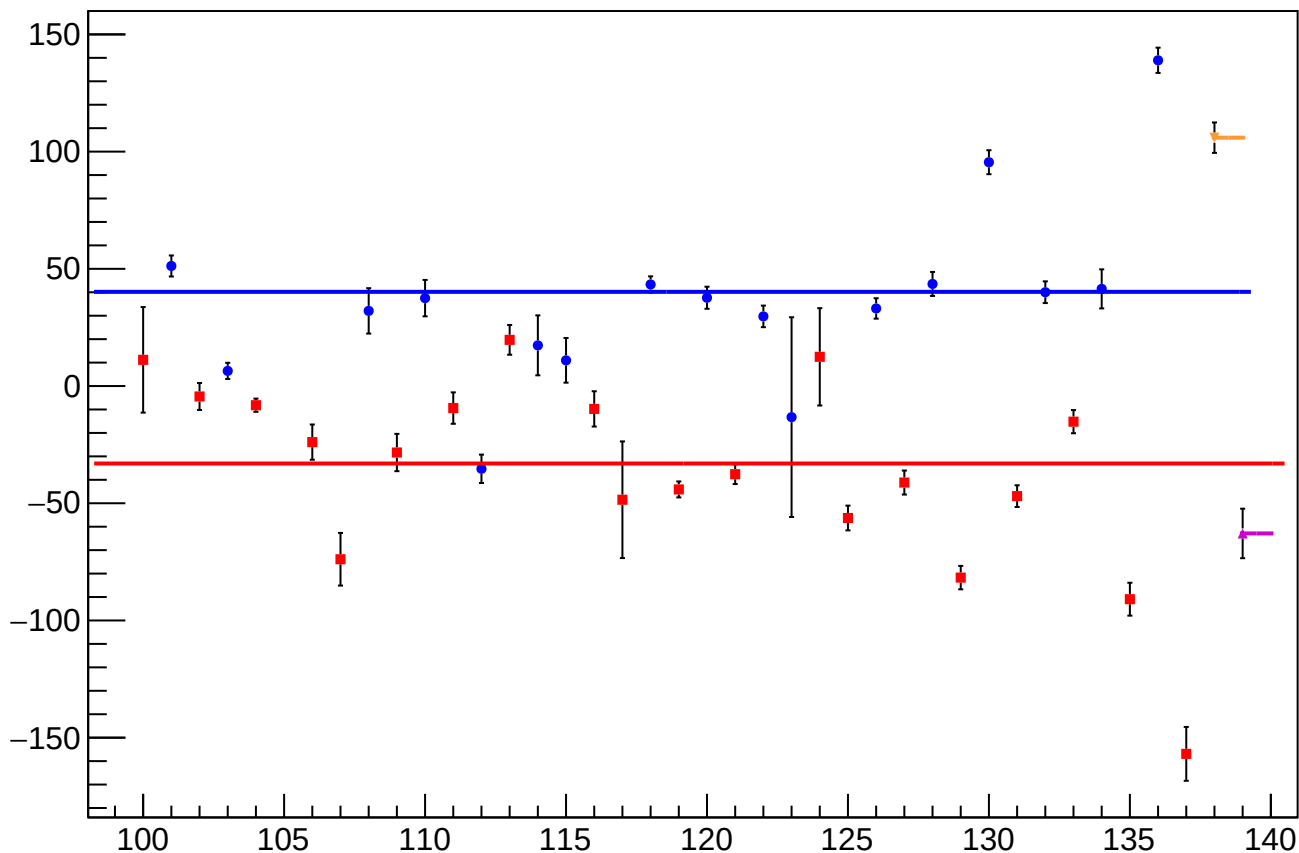
Left In: -333.755 $\pm$ 6.664 χ^2 /NDF: 0.0/0

204.541 $\pm$ 1.888 χ^2 /NDF: 6771.4/17

-5.321 $\pm$ 1.320 χ^2 /NDF: 39605.0/38

-205.930 $\pm$ 1.846 χ^2 /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: 105.948 ± 6.484 χ^2/NDF : 0.0/0

Right Out: -33.045 ± 1.249 χ^2/NDF : 553.1/19

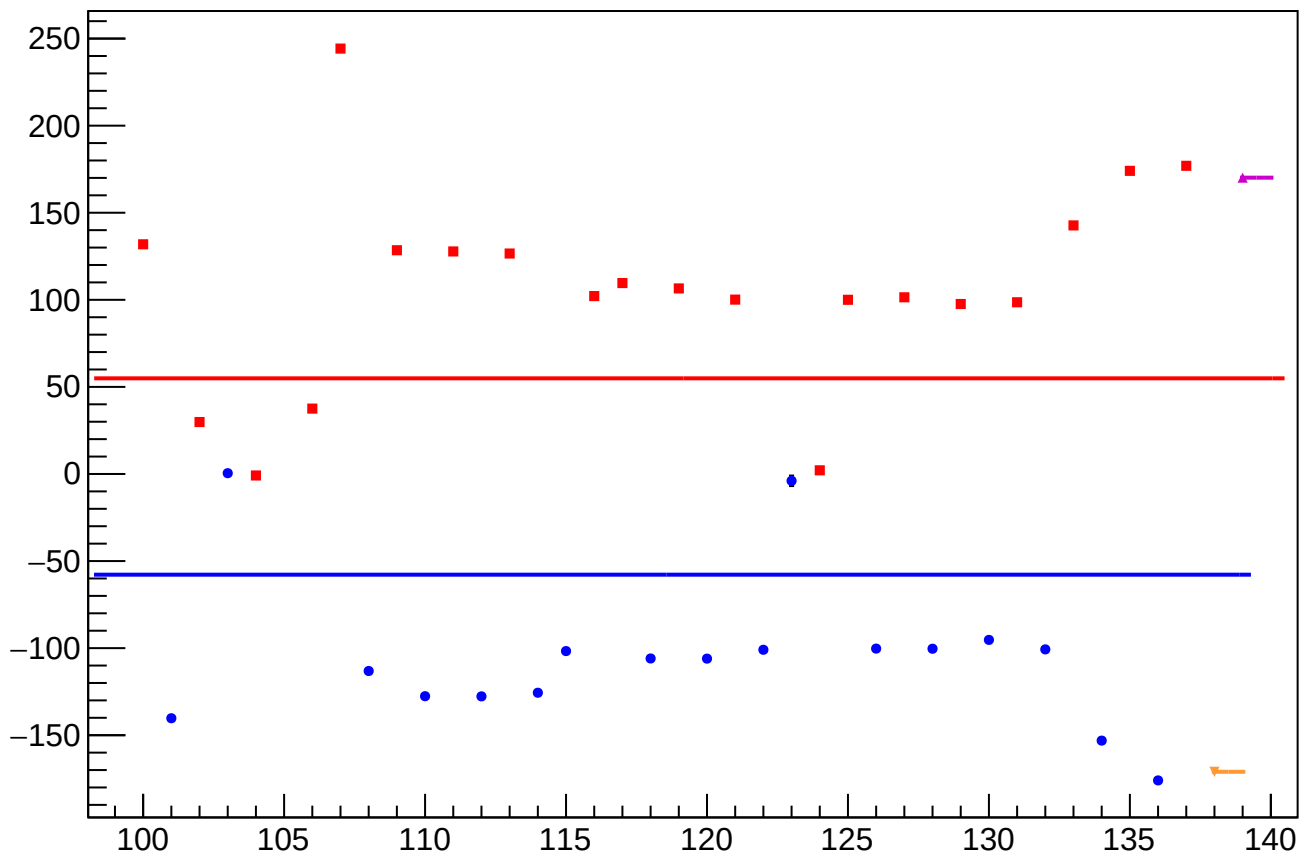
Left In: -62.878 ± 10.560 χ^2/NDF : 0.0/0

42.664 ± 1.259 χ^2/NDF : 833.6/17

4.037 ± 0.883 χ^2/NDF : 3250.2/38

-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: -170.990 ± 0.244 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 54.915 ± 0.060 $\chi^2/\text{NDF}: 1001968.3/19$

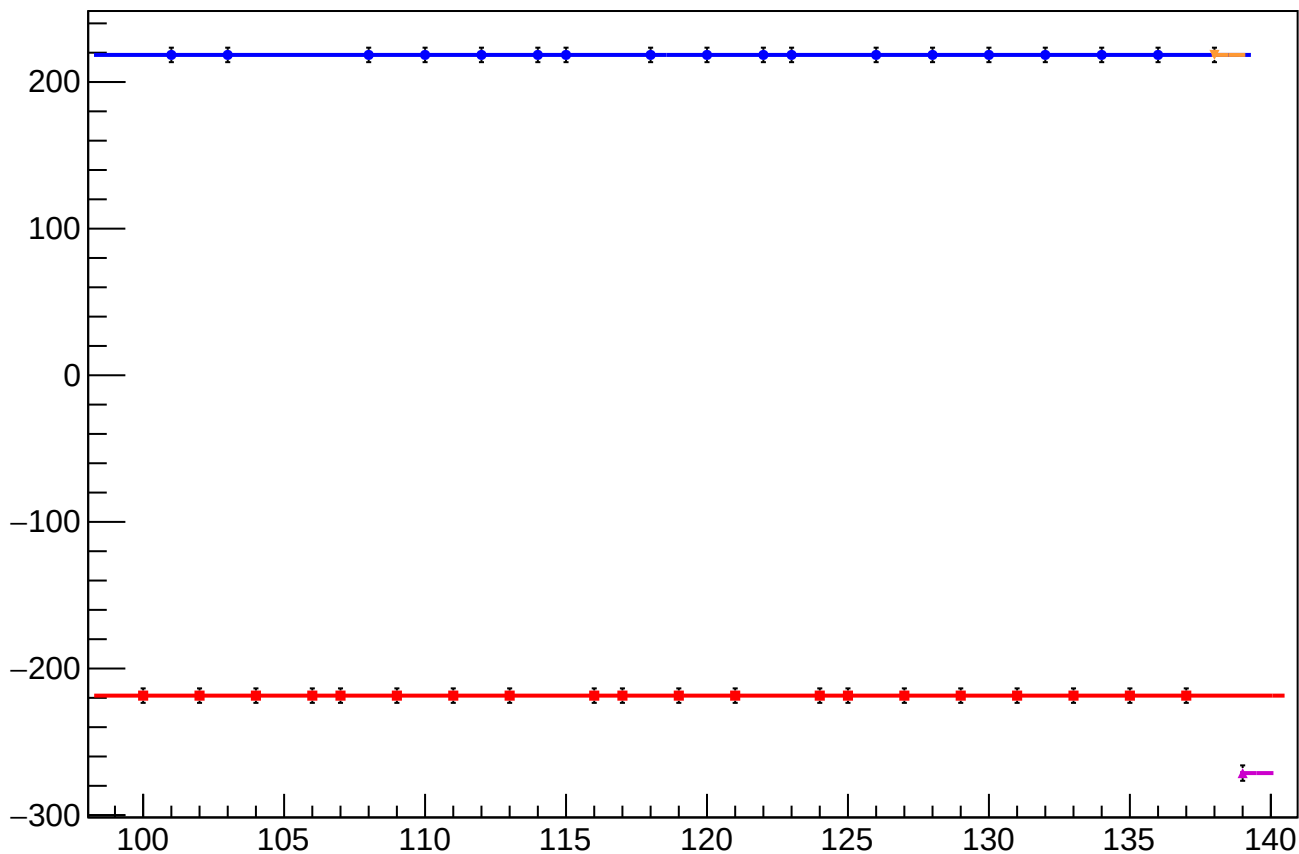
Left In: 170.137 ± 0.233 $\chi^2/\text{NDF}: 0.0/0$

-64.634 ± 0.060 $\chi^2/\text{NDF}: 1303239.2/17$

0.474 ± 0.042 $\chi^2/\text{NDF}: 4833759.1/38$

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 $\pm$ 1.199 χ^2 /NDF: 0.0/16

Left Out: 218.484 $\pm$ 4.943 χ^2 /NDF: 0.0/0

Right Out: -218.484 $\pm$ 1.105 χ^2 /NDF: 0.0/19

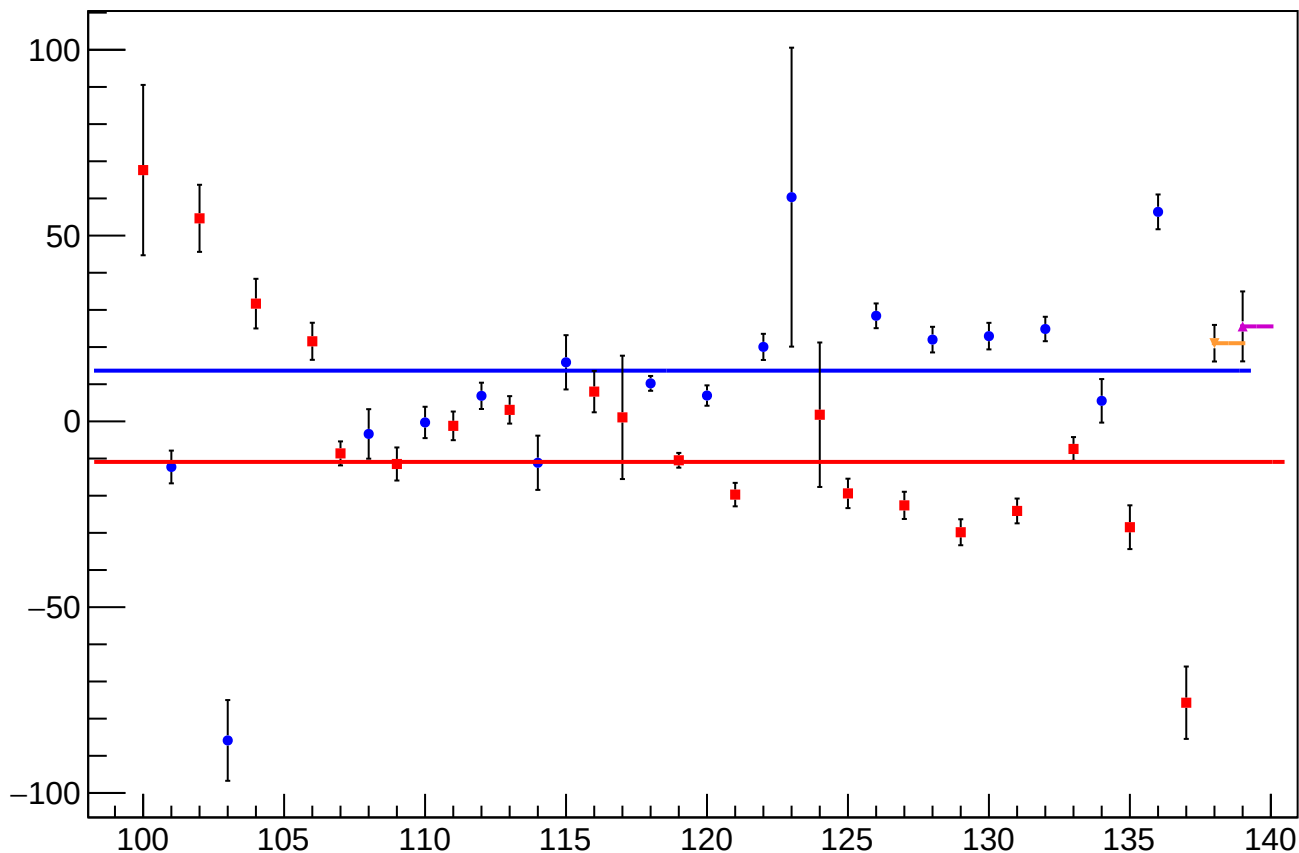
Left In: -271.314 $\pm$ 5.259 χ^2 /NDF: 0.0/0

218.484 $\pm$ 1.165 χ^2 /NDF: 0.0/17

-17.404 $\pm$ 0.793 χ^2 /NDF: 76407.8/38

-220.719 $\pm$ 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: 21.037 $\pm$ 4.923 χ^2 /NDF: 0.0/0

Right Out: -10.908 $\pm$ 0.912 χ^2 /NDF: 303.1/19

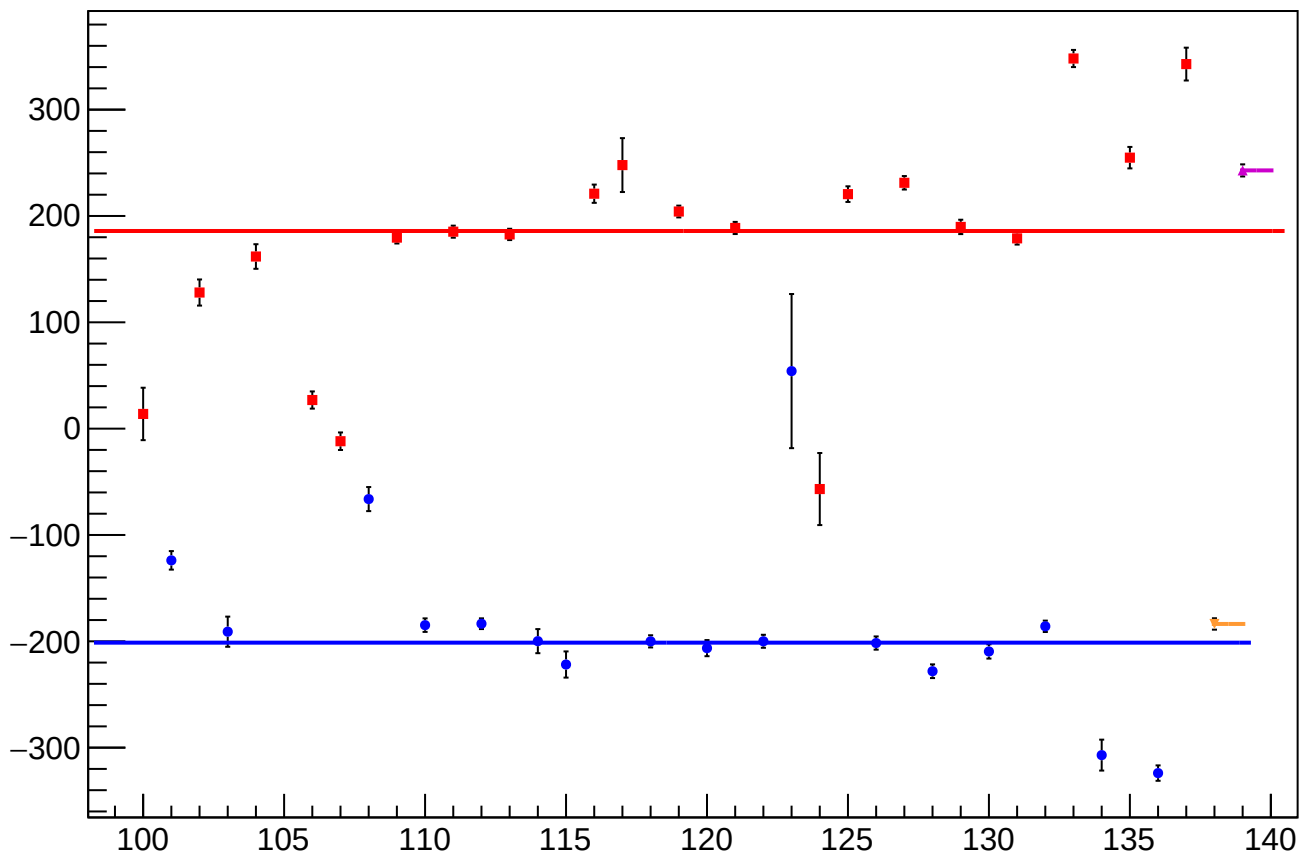
Left In: 25.562 $\pm$ 9.413 χ^2 /NDF: 0.0/0

13.910 $\pm$ 0.920 χ^2 /NDF: 296.2/17

1.507 $\pm$ 0.646 χ^2 /NDF: 973.0/38

-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 χ^2/NDF : 623.4/16

Left Out: -183.674+/-5.359 χ^2/NDF : 0.0/0

Right Out: 185.871+/-1.695 χ^2/NDF : 1752.0/19

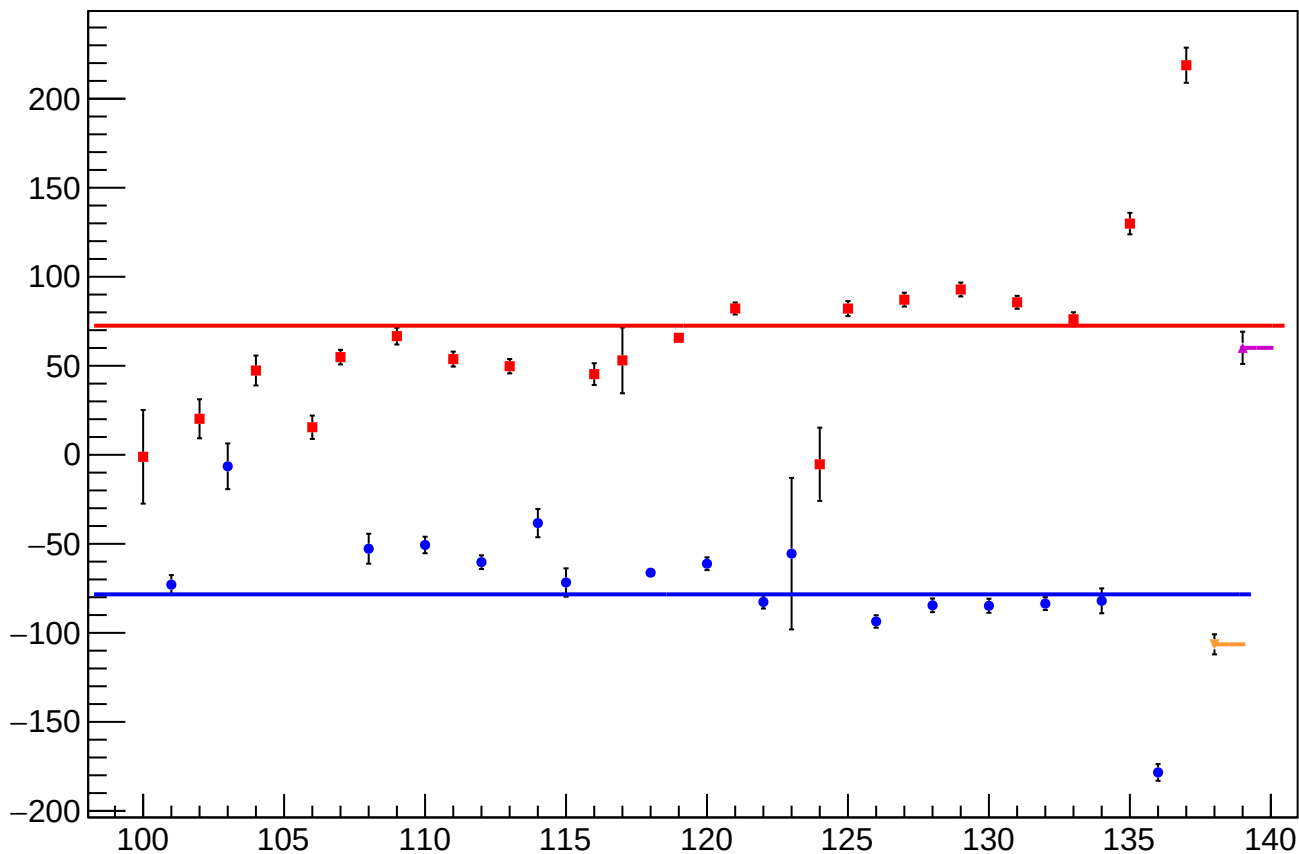
Left In: 242.852+/-5.699 χ^2/NDF : 0.0/0

-199.491+/-1.702 χ^2/NDF : 633.1/17

4.560+/-1.175 χ^2/NDF : 29936.0/38

190.505+/-1.625 χ^2/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: -106.447 ± 5.654 χ^2/NDF : 0.0/0

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

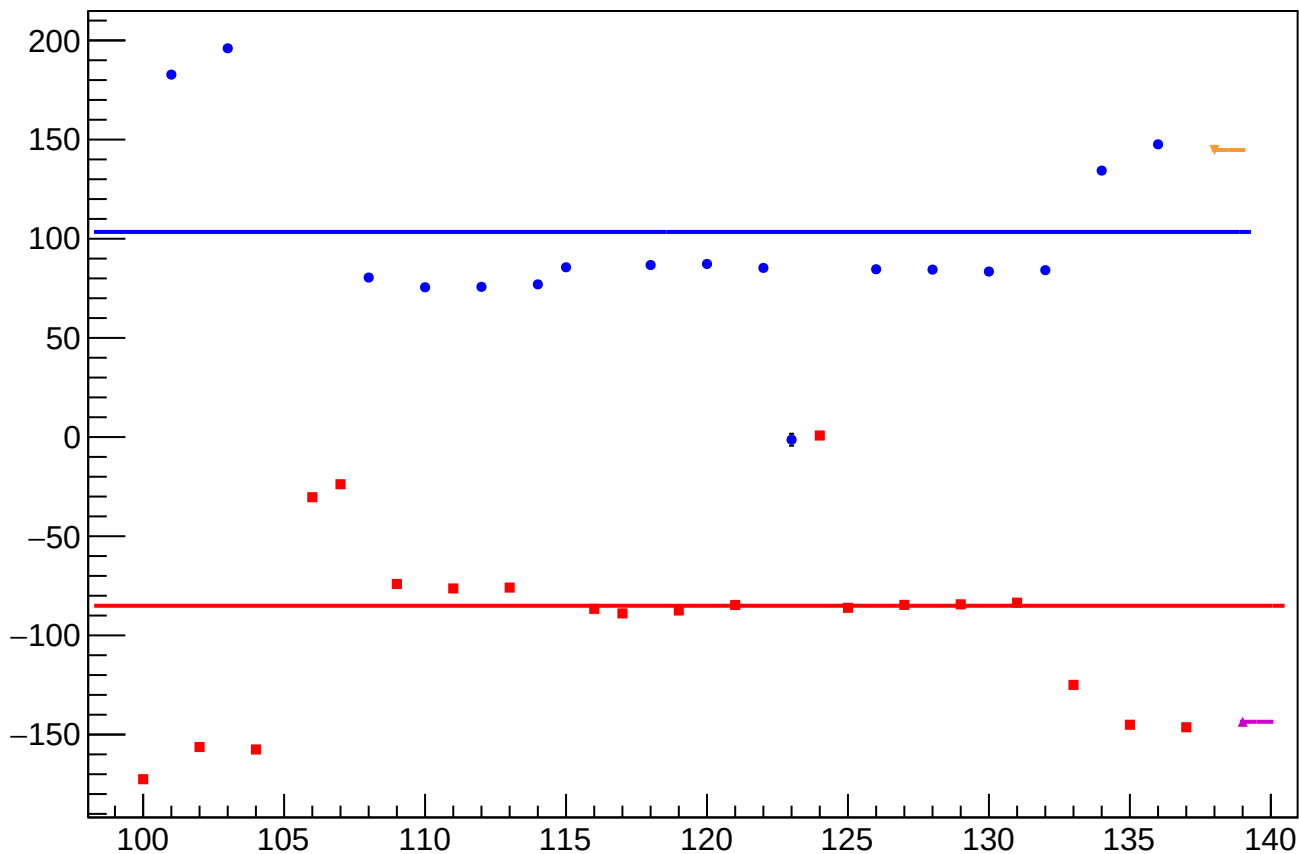
Left In: 60.085 ± 9.056 χ^2/NDF : 0.0/0

-79.367 ± 1.062 χ^2/NDF : 675.1/17

-2.124 ± 0.744 χ^2/NDF : 11672.4/38

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 ± 0.071 $\chi^2/\text{NDF}: 272785.6/16$

Left Out: 144.759 ± 0.212 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -85.054 ± 0.064 $\chi^2/\text{NDF}: 422354.0/19$

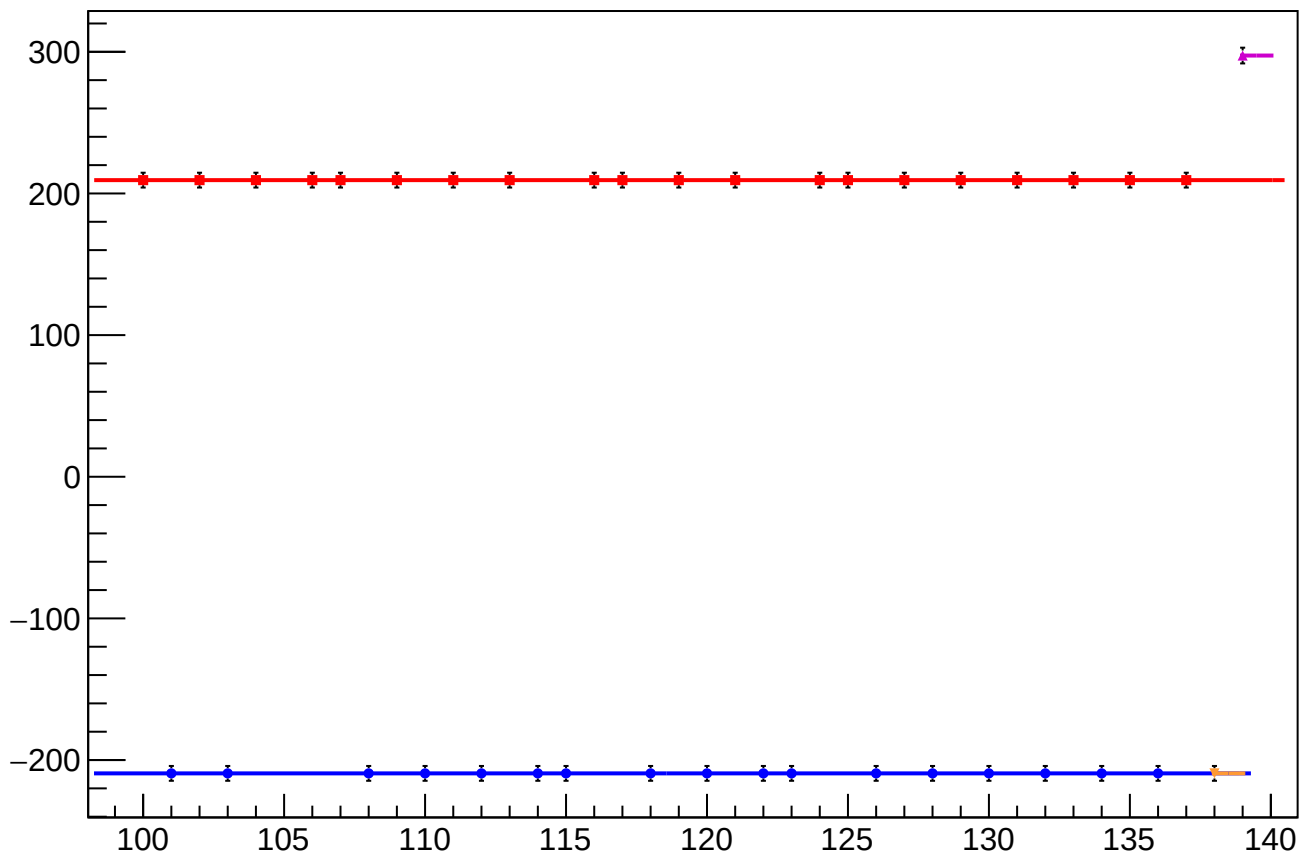
Left In: -143.555 ± 0.200 $\chi^2/\text{NDF}: 0.0/0$

107.581 ± 0.067 $\chi^2/\text{NDF}: 306875.1/17$

-1.581 ± 0.045 $\chi^2/\text{NDF}: 5589041.1/38$

-90.426 ± 0.061 $\chi^2/\text{NDF}: 499937.6/20$

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -209.411 ± 1.271 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -209.411 ± 5.239 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 209.411 ± 1.172 $\chi^2/\text{NDF}: 0.0/19$

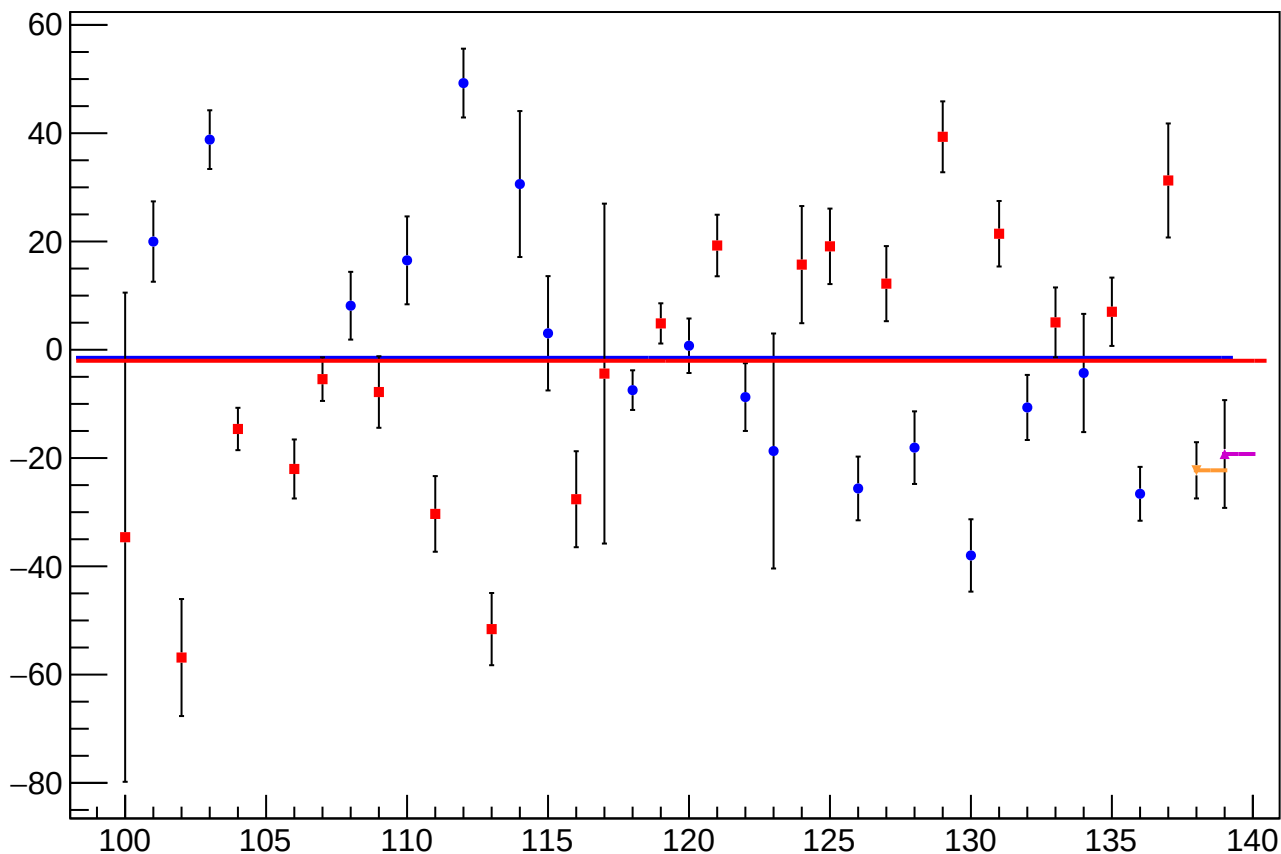
Left In: 297.364 ± 5.561 $\chi^2/\text{NDF}: 0.0/0$

-209.411 ± 1.235 $\chi^2/\text{NDF}: 0.0/17$

17.558 ± 0.840 $\chi^2/\text{NDF}: 63130.8/38$

213.149 ± 1.146 $\chi^2/\text{NDF}: 239.5/20$

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: -22.268+/-5.195 χ^2/NDF : 0.0/0

Right Out: -2.032+/-1.398 χ^2/NDF : 233.3/19

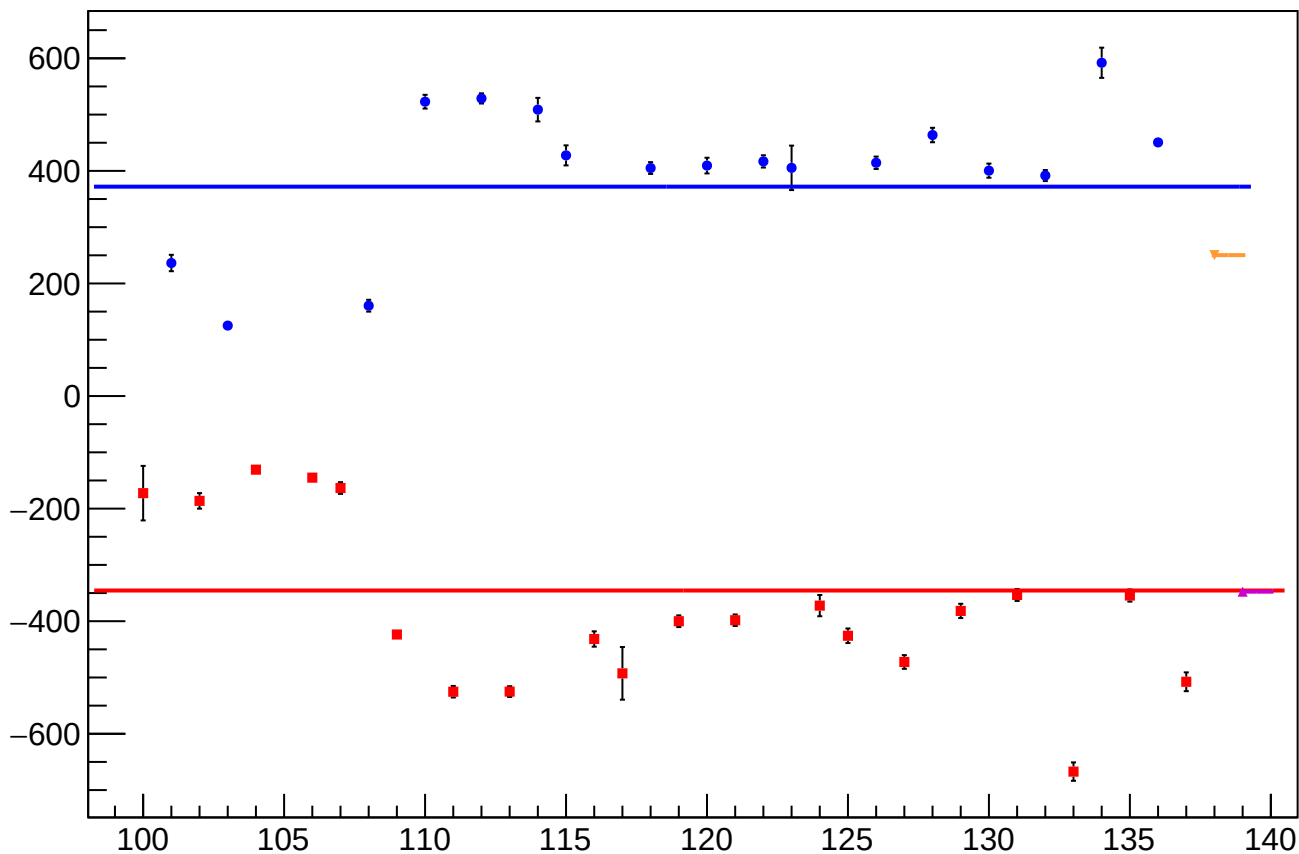
Left In: -19.254+/-9.954 χ^2/NDF : 0.0/0

-3.161+/-1.473 χ^2/NDF : 240.7/17

-2.739+/-1.009 χ^2/NDF : 477.0/38

-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 $\chi^2/\text{NDF}: 2432.6/16$

Left Out: 250.327 ± 5.680 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -345.485 ± 2.558 $\chi^2/\text{NDF}: 3425.1/19$

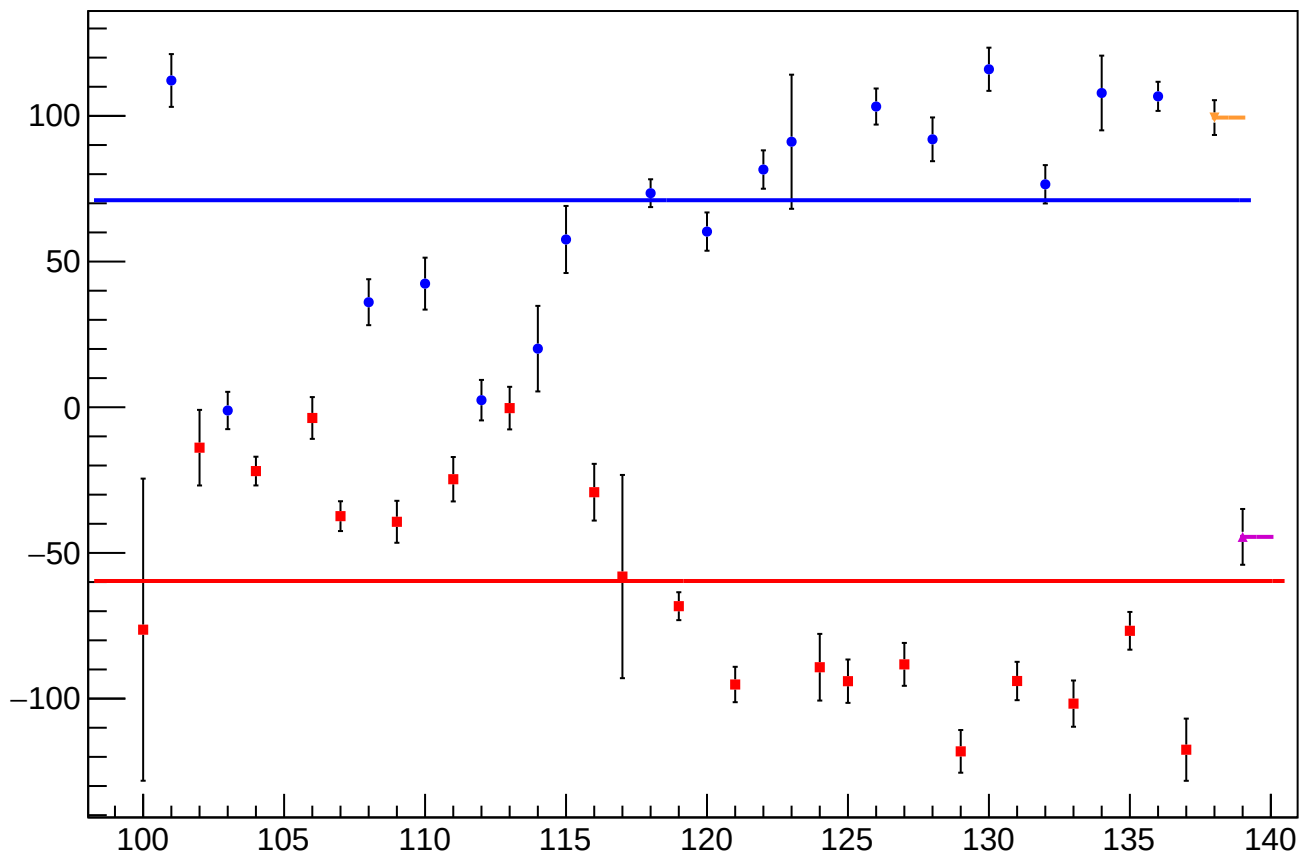
Left In: -347.512 ± 6.027 $\chi^2/\text{NDF}: 0.0/0$

348.494 ± 2.495 $\chi^2/\text{NDF}: 2802.8/17$

-18.729 ± 1.713 $\chi^2/\text{NDF}: 47177.4/38$

-345.794 ± 2.355 $\chi^2/\text{NDF}: 3425.2/20$

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: 99.422 $\pm$ 5.973 χ^2 /NDF: 0.0/0

Right Out: -59.634 $\pm$ 1.629 χ^2 /NDF: 491.6/19

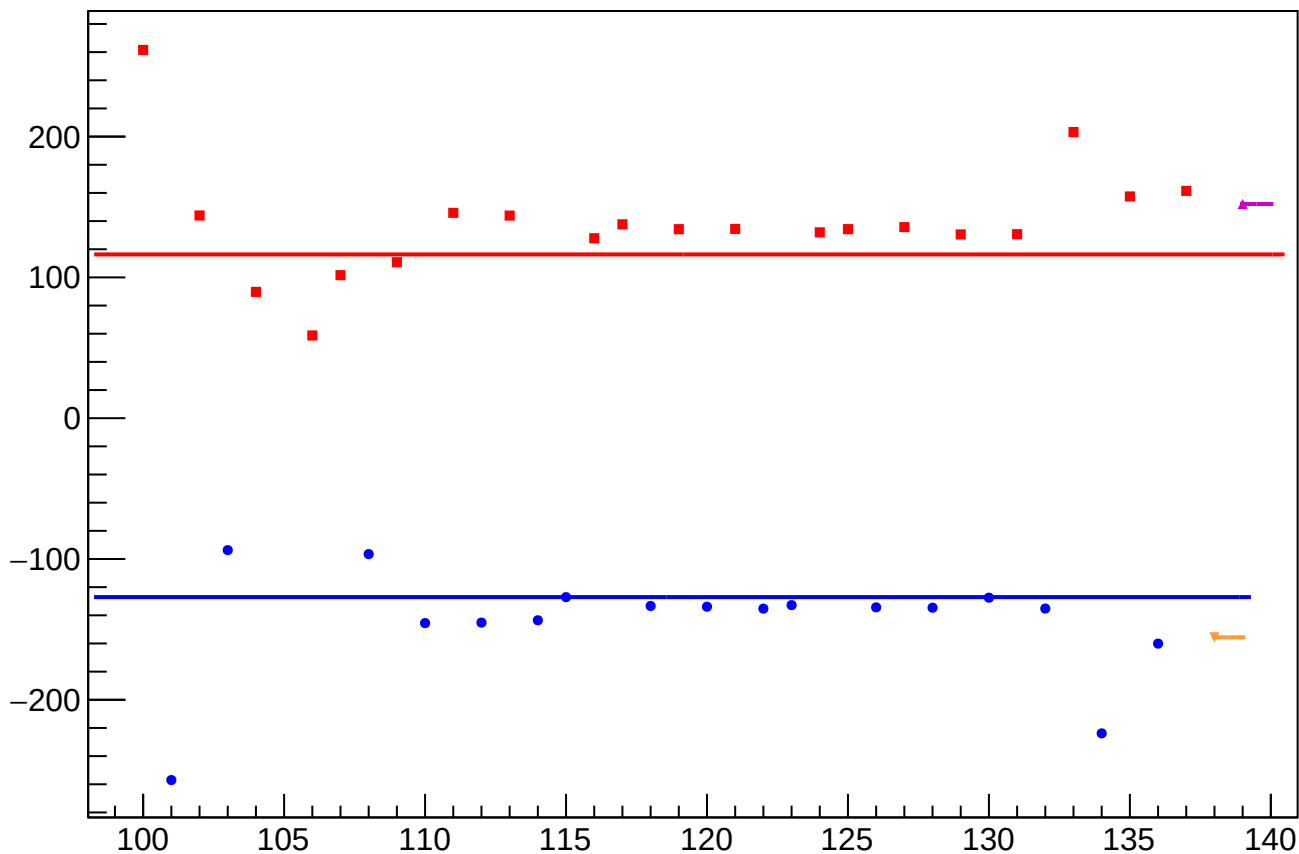
Left In: -44.490 $\pm$ 9.577 χ^2 /NDF: 0.0/0

73.332 $\pm$ 1.692 χ^2 /NDF: 446.9/17

3.625 $\pm$ 1.165 χ^2 /NDF: 4168.9/38

-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: -155.633+/-0.225 χ^2/NDF : 0.0/0

Right Out: 116.327+/-0.083 χ^2/NDF : 167208.7/19

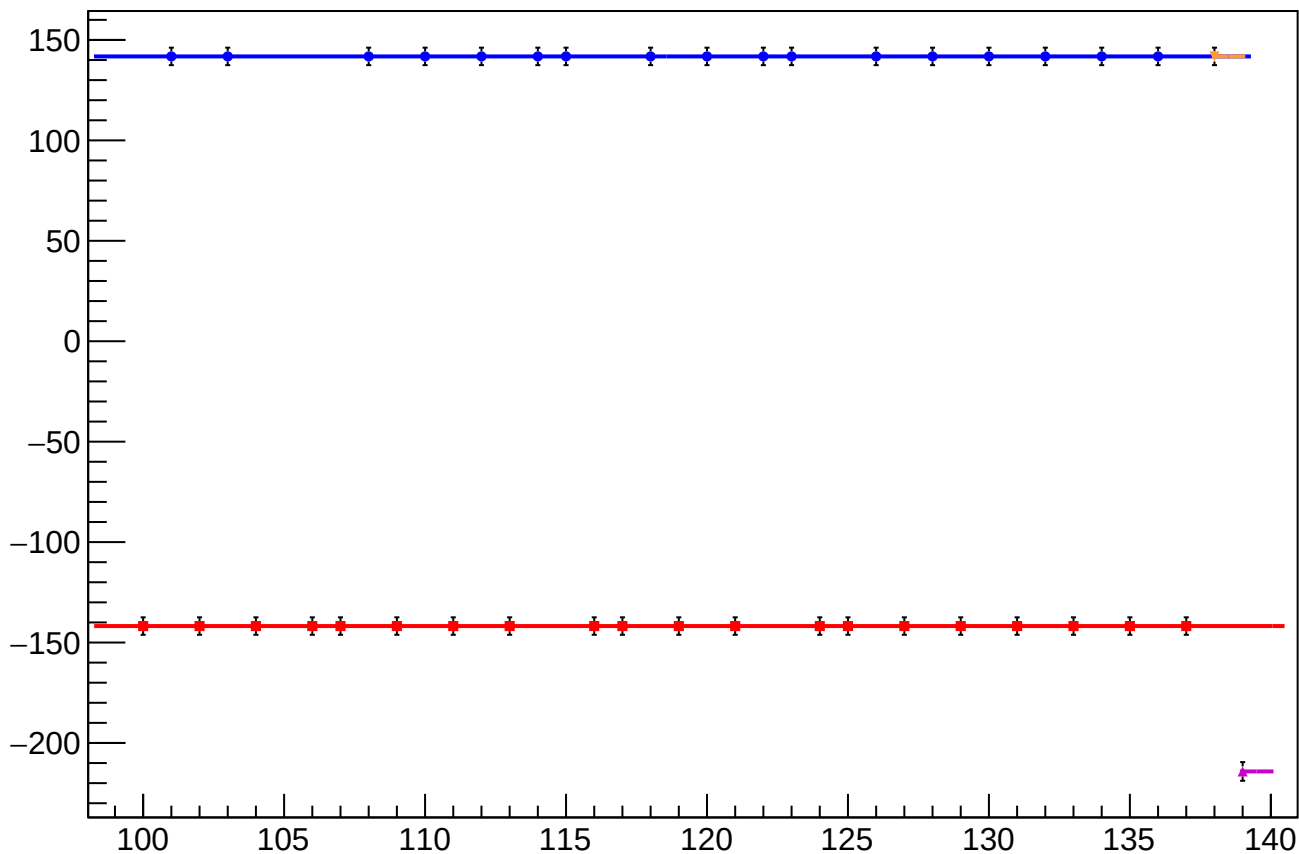
Left In: 152.118+/-0.212 χ^2/NDF : 0.0/0

-130.962+/-0.083 χ^2/NDF : 180890.7/17

4.789+/-0.057 χ^2/NDF : 5291436.1/38

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 ± 1.055 χ^2/NDF : 0.0/16

Left Out: 141.803 ± 4.352 χ^2/NDF : 0.0/0

Right Out: -141.803 ± 0.973 χ^2/NDF : 0.0/19

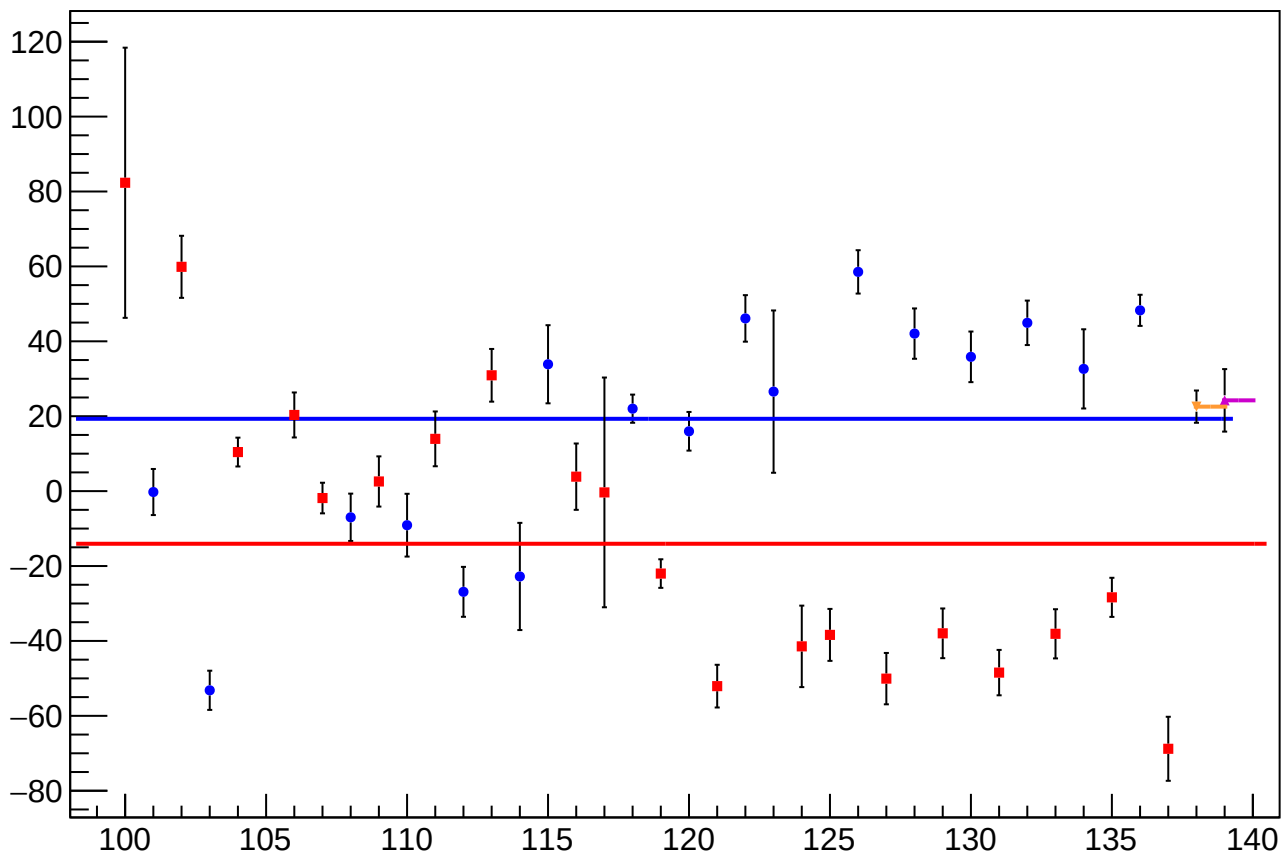
Left In: -214.181 ± 4.657 χ^2/NDF : 0.0/0

141.803 ± 1.026 χ^2/NDF : 0.0/17

-12.107 ± 0.698 χ^2/NDF : 42165.7/38

-144.831 ± 0.952 χ^2/NDF : 231.5/20

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 $\pm$ 1.500 χ^2 /NDF: 441.3/16

Left Out: 22.557 $\pm$ 4.306 χ^2 /NDF:0.0/0

Right Out: -14.055 $\pm$ 1.388 χ^2 /NDF: 437.1/19

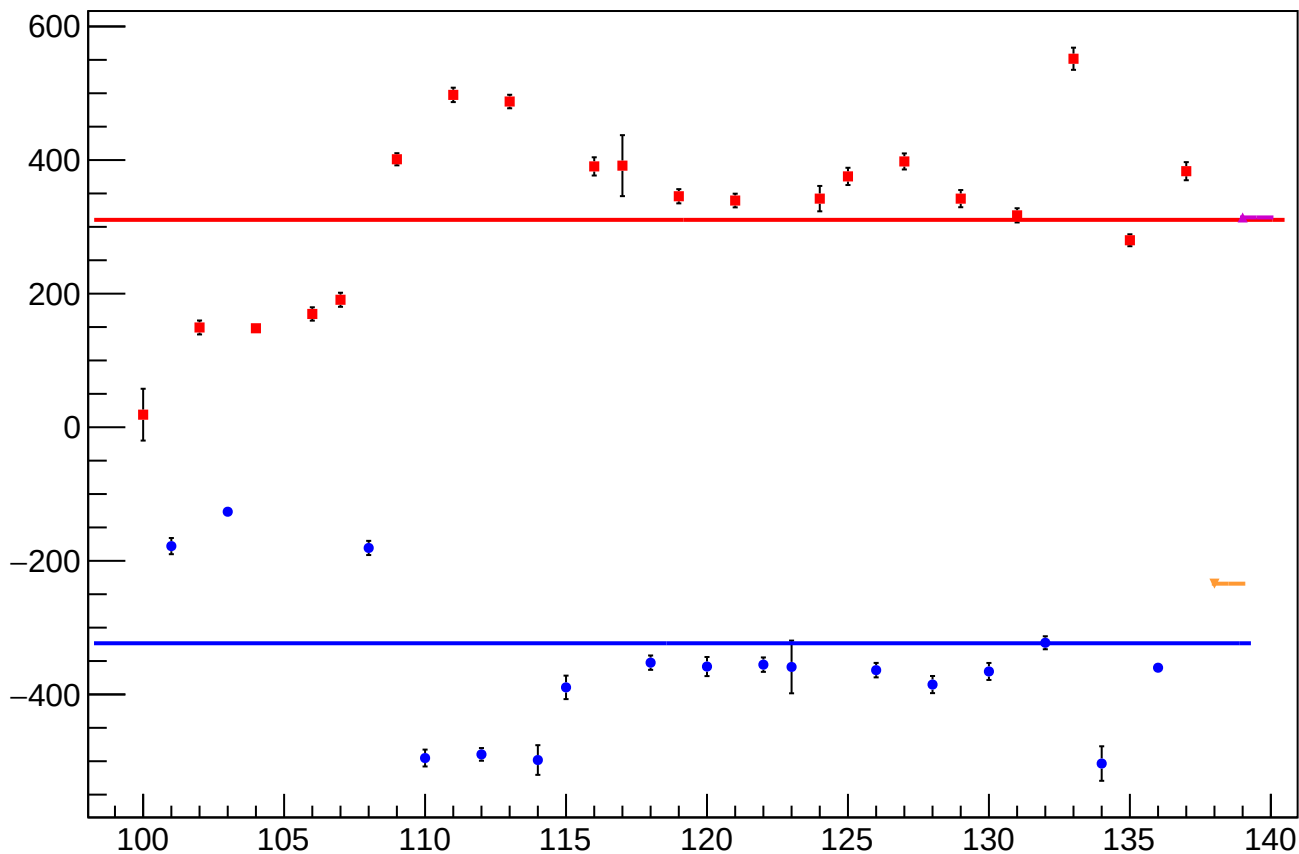
Left In: 24.236 $\pm$ 8.346 χ^2 /NDF:0.0/0

19.660 $\pm$ 1.417 χ^2 /NDF: 441.8/17

2.763 $\pm$ 0.985 χ^2 /NDF: 1174.5/38

-13.024 $\pm$ 1.369 χ^2 /NDF: 457.6/20

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402+/-2.684 χ^2/NDF : 1849.6/16

Left Out: -234.175+/-4.717 χ^2/NDF : 0.0/0

Right Out: 310.484+/-2.520 χ^2/NDF : 2302.0/19

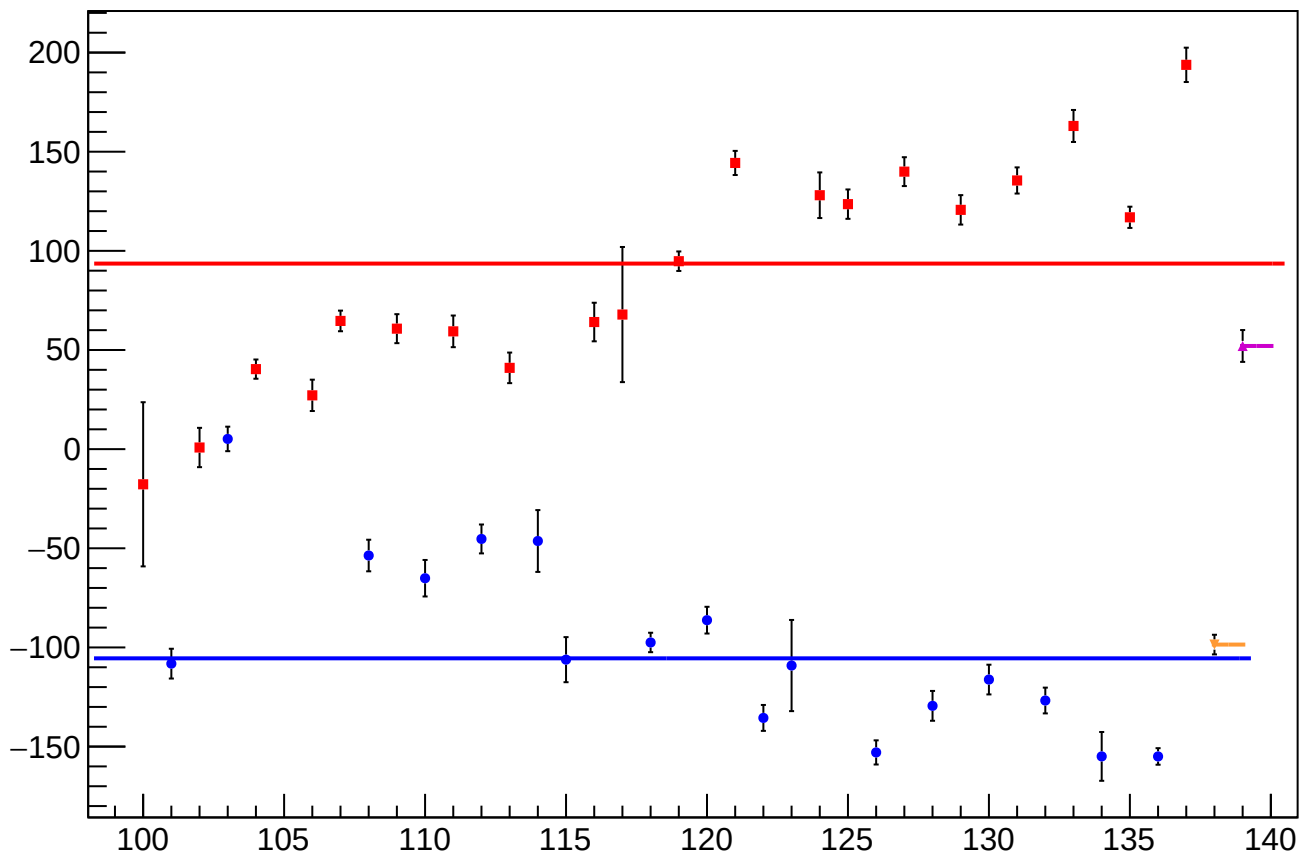
Left In: 314.105+/-5.045 χ^2/NDF : 0.0/0

-301.582+/-2.333 χ^2/NDF : 2119.9/17

15.328+/-1.621 χ^2/NDF : 40107.3/38

311.207+/-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: -98.557+/-4.951 χ^2 /NDF: 0.0/0

Right Out: 93.579+/-1.608 χ^2 /NDF: 827.7/19

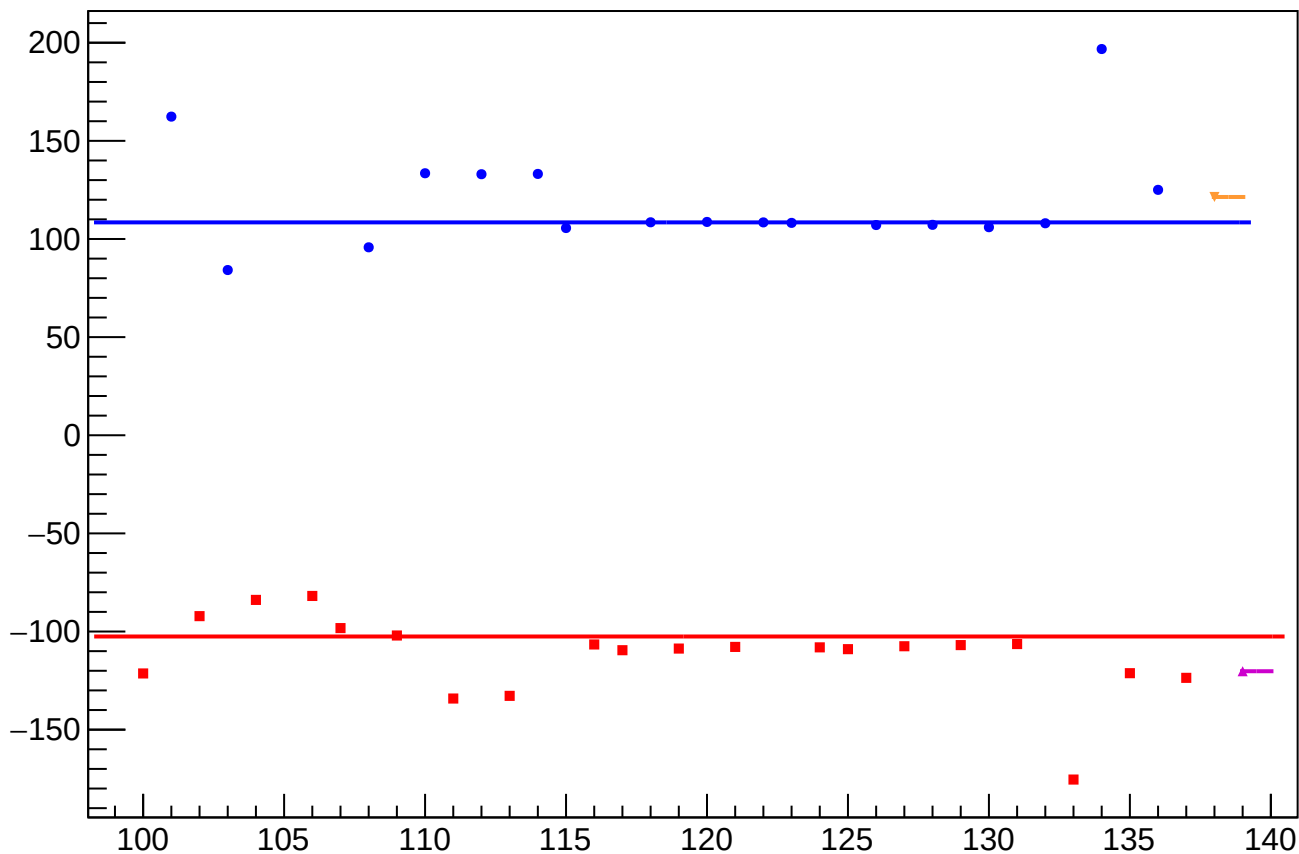
Left In: 52.032+/-8.031 χ^2 /NDF: 0.0/0

-104.755+/-1.618 χ^2 /NDF: 739.1/17

-3.869+/-1.129 χ^2 /NDF: 9173.8/38

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: 121.402 ± 0.187 χ^2/NDF : 0.0/0

Right Out: -102.532 ± 0.079 χ^2/NDF : 53003.2/19

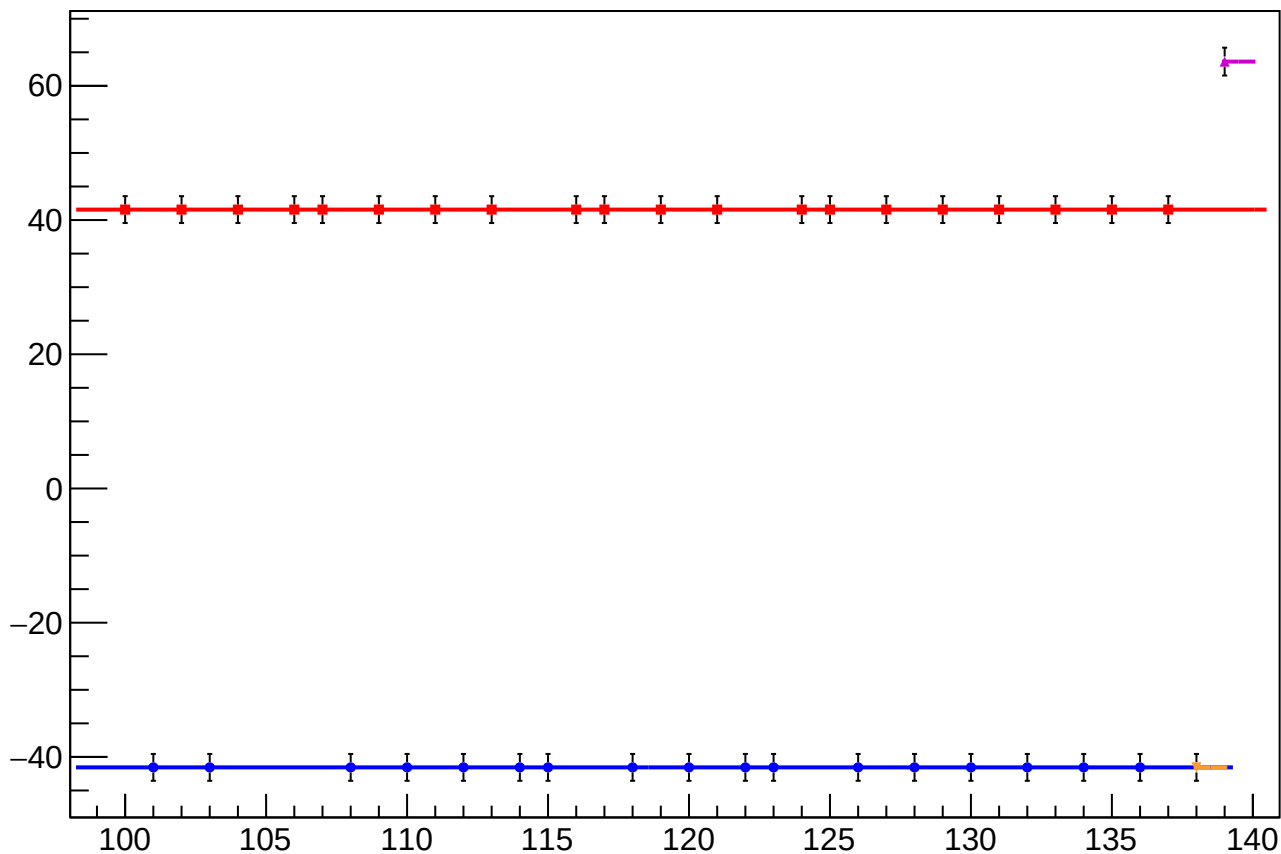
Left In: -120.230 ± 0.177 χ^2/NDF : 0.0/0

110.669 ± 0.077 χ^2/NDF : 77259.0/17

-4.406 ± 0.053 χ^2/NDF : 4290068.9/38

-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: -41.558 +/- 2.001 χ^2/NDF : 0.0/0

Right Out: 41.558 +/- 0.447 χ^2/NDF : 0.0/19

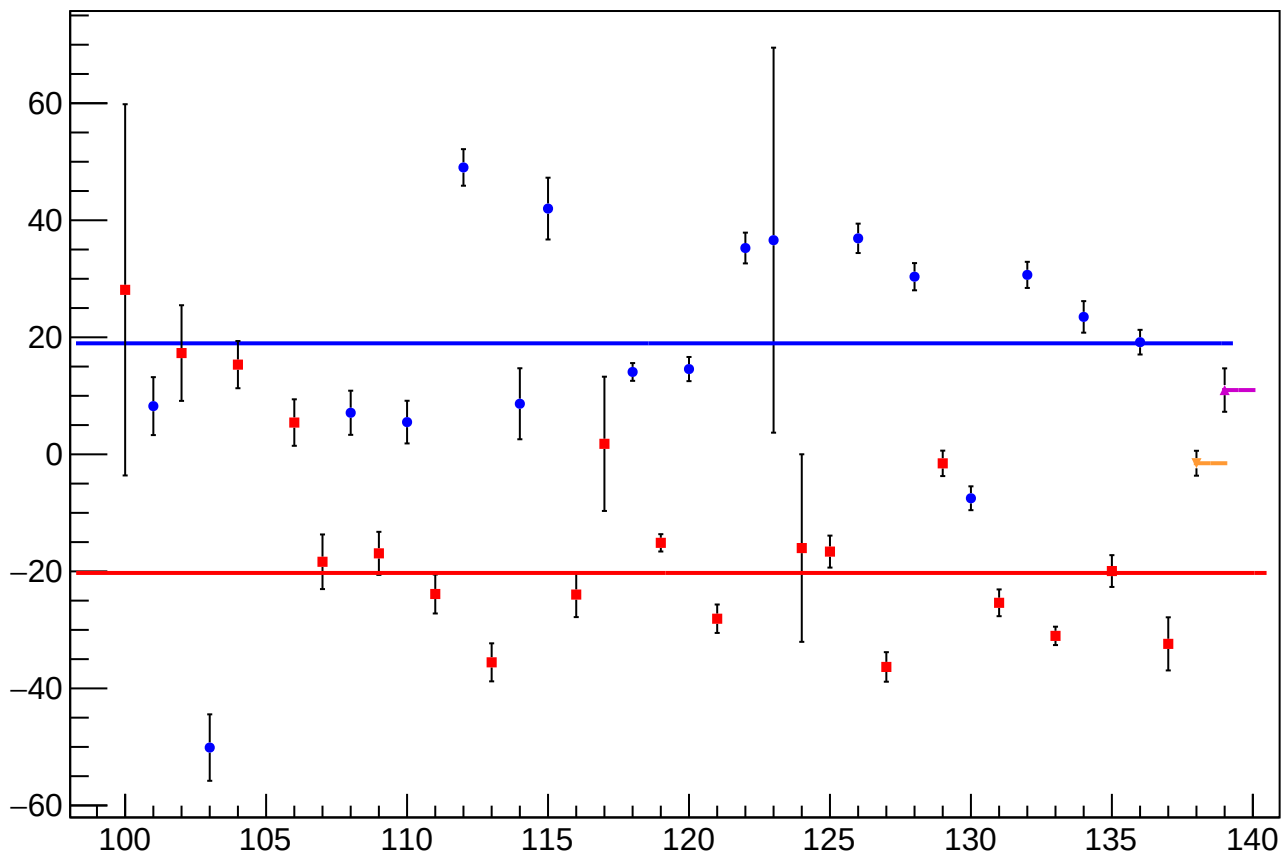
Left In: 63.612 +/- 2.076 χ^2/NDF : 0.0/0

-41.558 +/- 0.472 χ^2/NDF : 0.0/17

3.653 +/- 0.321 χ^2/NDF : 17204.0/38

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: -1.521+/-2.130 χ^2 /NDF: 0.0/0

Right Out: -20.269+/-0.641 χ^2 /NDF: 370.1/19

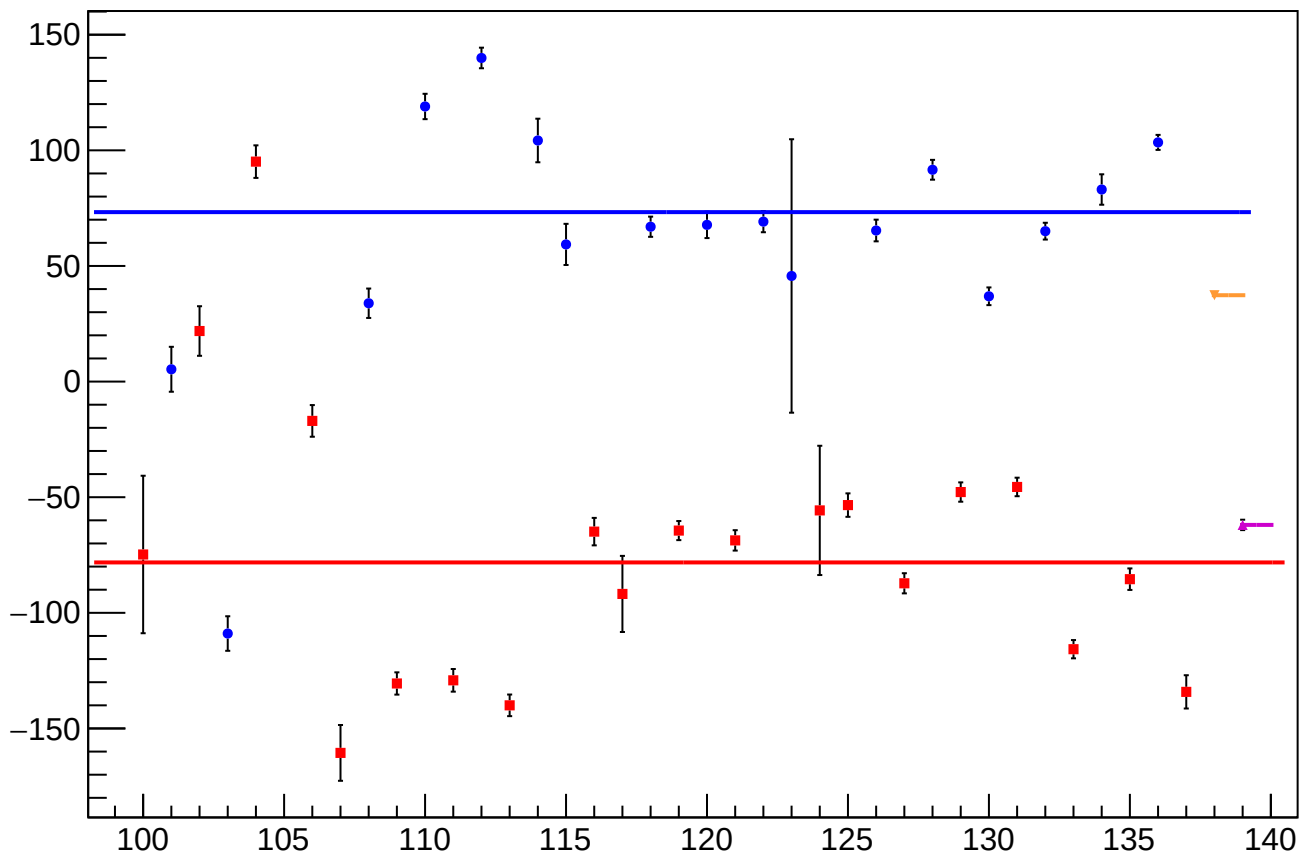
Left In: 10.983+/-3.712 χ^2 /NDF: 0.0/0

17.210+/-0.624 χ^2 /NDF: 703.0/17

-0.858+/-0.444 χ^2 /NDF: 2837.3/38

-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 $\chi^2/\text{NDF}: 1198.6/16$

Left Out: 37.350 ± 2.170 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -78.205 ± 1.219 $\chi^2/\text{NDF}: 1544.0/19$

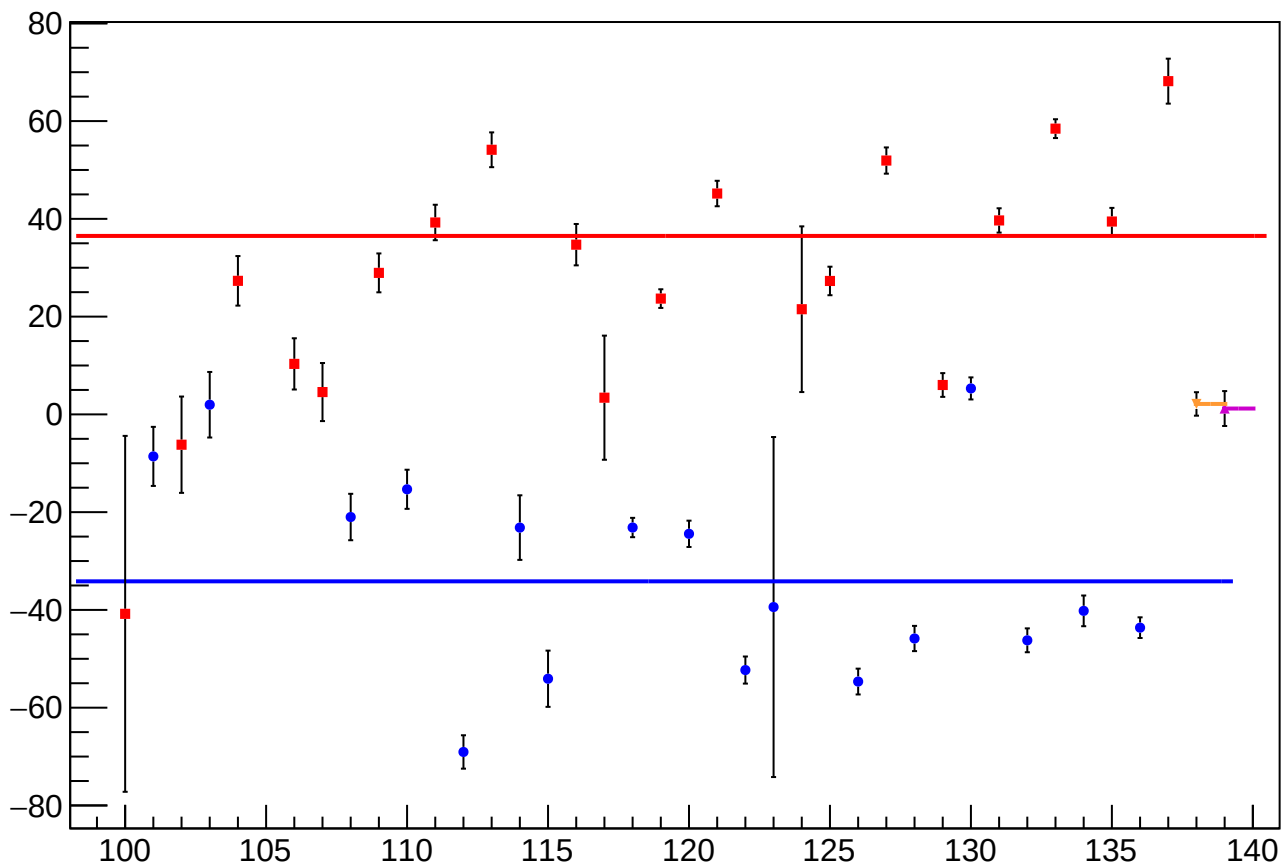
Left In: -61.979 ± 2.250 $\chi^2/\text{NDF}: 0.0/0$

64.474 ± 1.074 $\chi^2/\text{NDF}: 1405.5/17$

-5.180 ± 0.759 $\chi^2/\text{NDF}: 11378.0/38$

-74.522 ± 1.072 $\chi^2/\text{NDF}: 1584.2/20$

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: 2.136+/-2.401 χ^2/NDF : 0.0/0

Right Out: 36.507+/-0.735 χ^2/NDF : 553.8/19

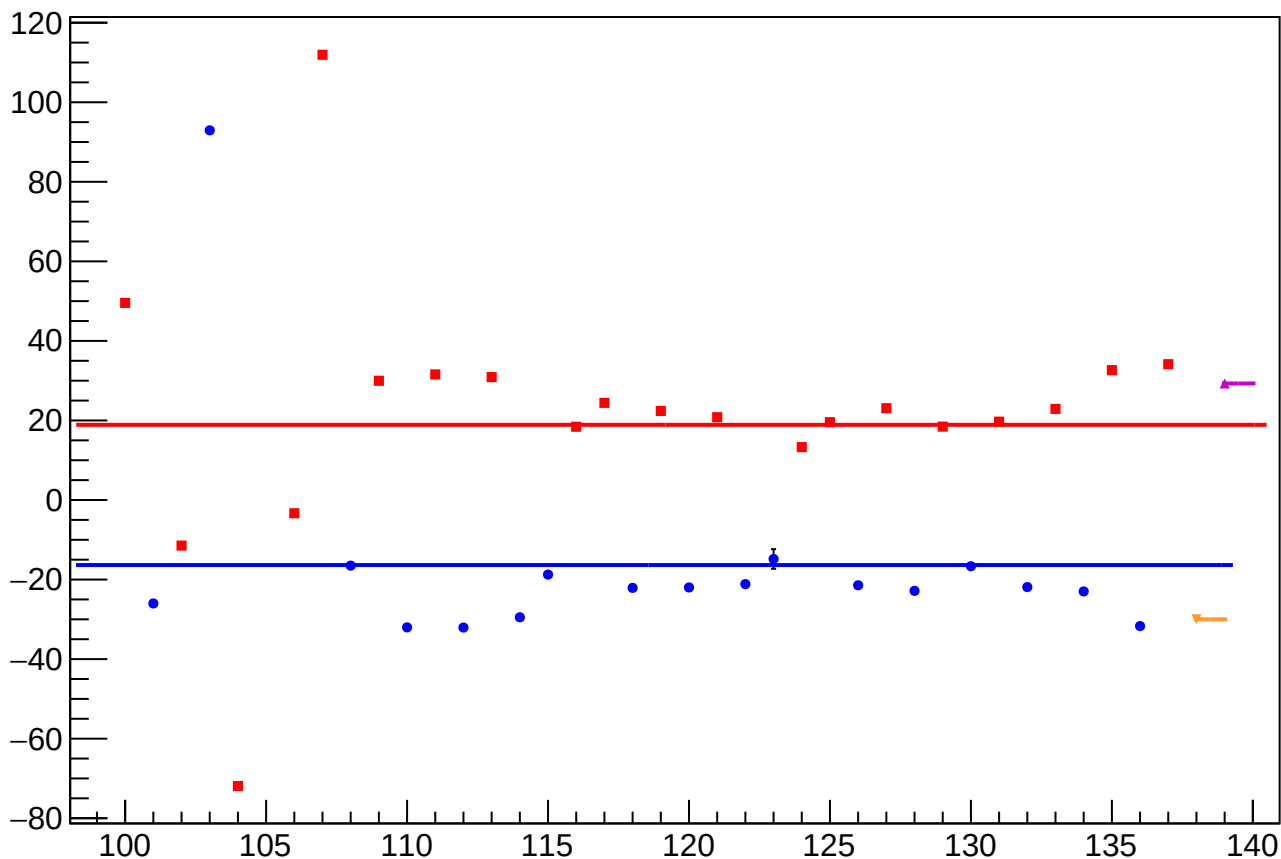
Left In: 1.196+/-3.571 χ^2/NDF : 0.0/0

-30.968+/-0.711 χ^2/NDF : 925.8/17

1.682+/-0.506 χ^2/NDF : 5833.9/38

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: -29.993 ± 0.084 χ^2/NDF : 0.0/0

Right Out: 18.906 ± 0.045 χ^2/NDF : 433847.1/19

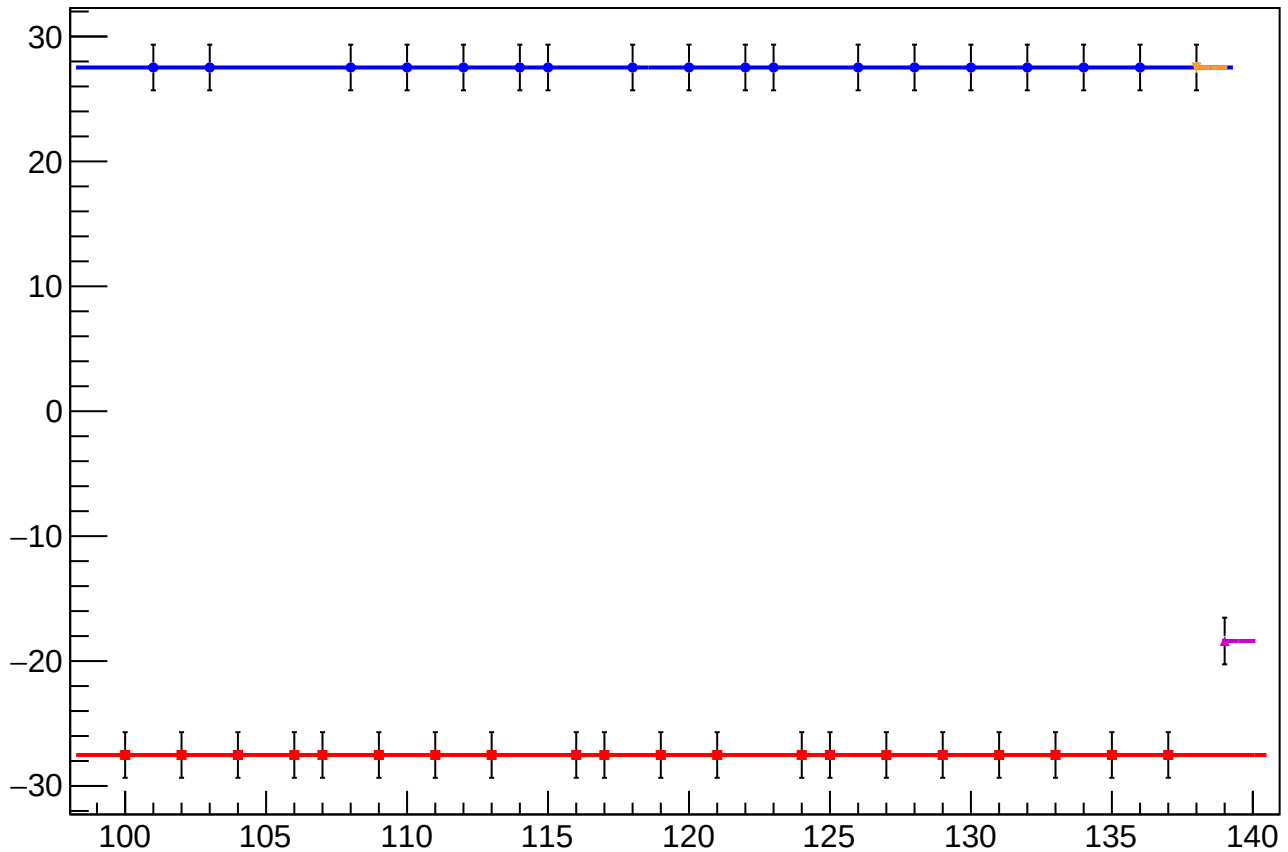
Left In: 29.300 ± 0.079 χ^2/NDF : 0.0/0

-19.329 ± 0.039 χ^2/NDF : 494594.9/17

1.202 ± 0.028 χ^2/NDF : 1479366.6/38

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+/-0.443 χ^2 /NDF: 0.0/16

Left Out: 27.518+/-1.827 χ^2 /NDF: 0.0/0

Right Out: -27.518+/-0.408 χ^2 /NDF: 0.0/19

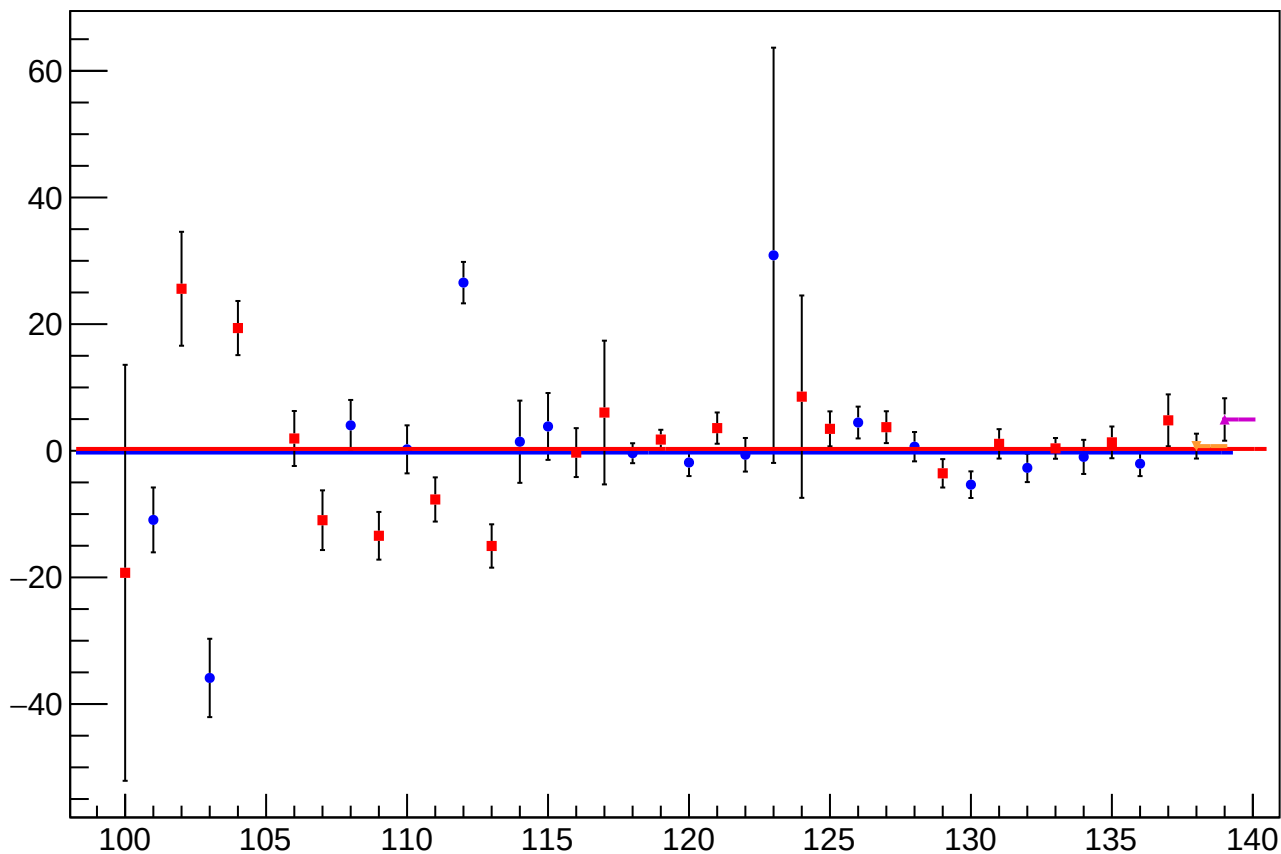
Left In: -18.393+/-1.869 χ^2 /NDF: 0.0/0

27.518+/-0.431 χ^2 /NDF: 0.0/17

-1.864+/-0.293 χ^2 /NDF: 8681.3/38

-27.102+/-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: 0.736+/-1.964 χ^2/NDF : 0.0/0

Right Out: 0.289+/-0.655 χ^2/NDF : 83.4/19

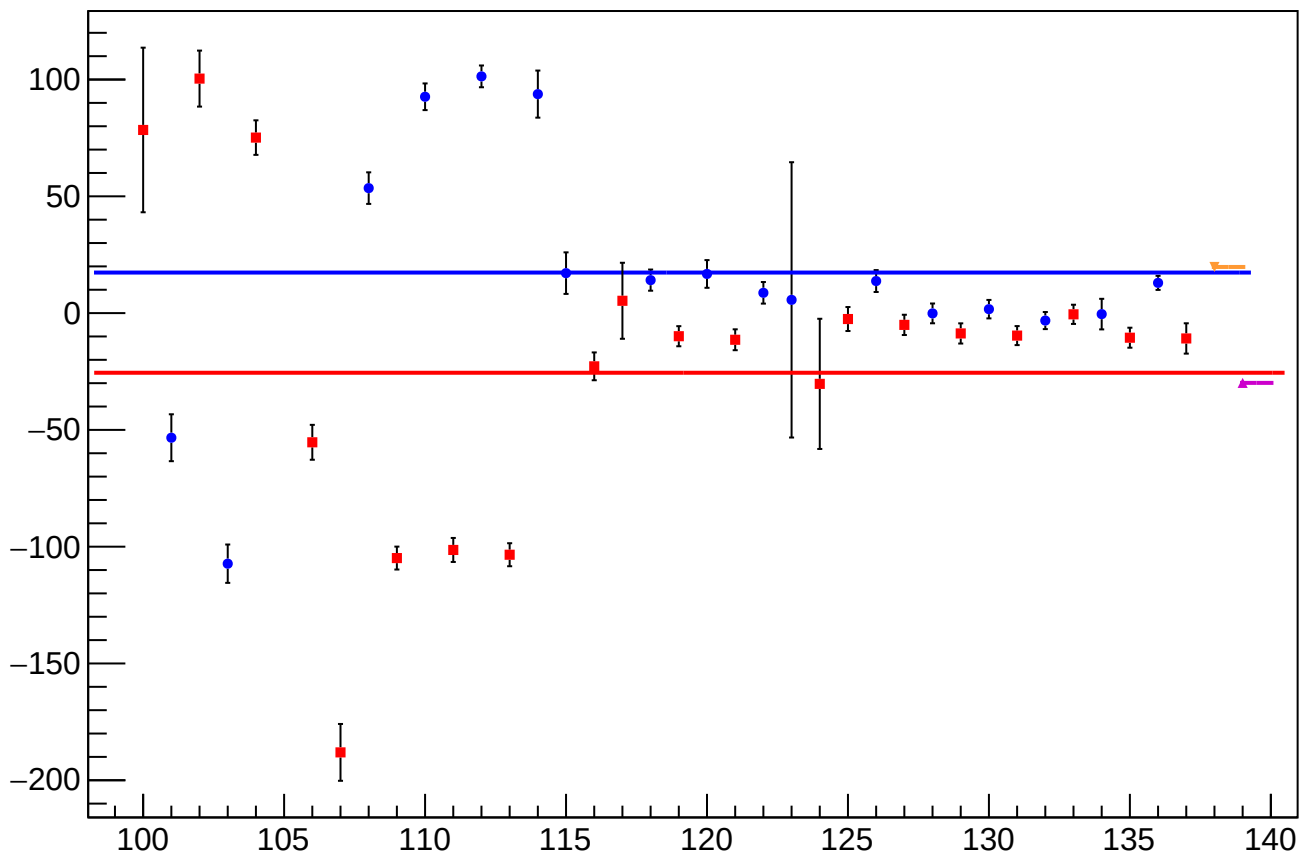
Left In: 4.941+/-3.352 χ^2/NDF : 0.0/0

-0.177+/-0.628 χ^2/NDF : 119.8/17

0.134+/-0.449 χ^2/NDF : 205.6/38

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: 19.756 ± 1.981 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -25.537 ± 1.239 $\chi^2/\text{NDF}: 1382.4/19$

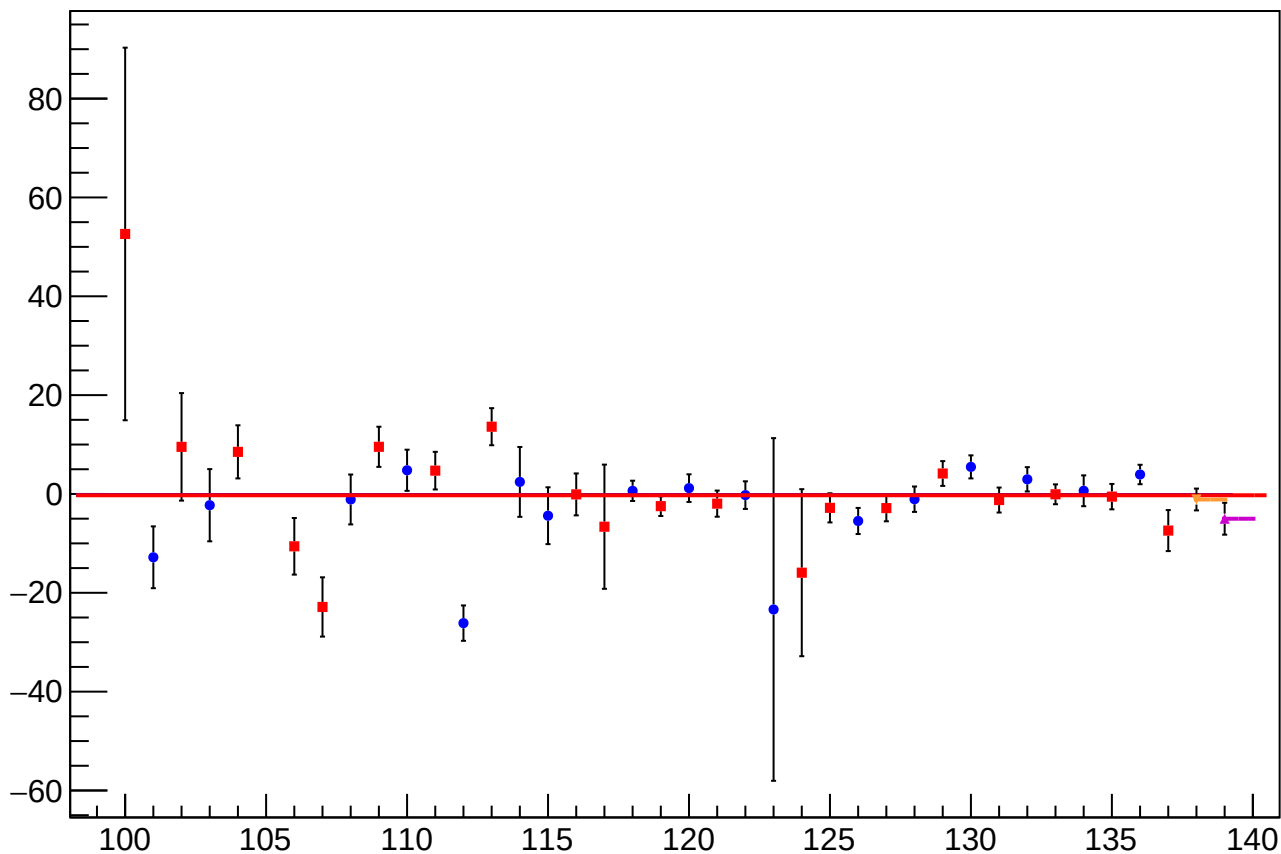
Left In: -29.875 ± 2.025 $\chi^2/\text{NDF}: 0.0/0$

18.040 ± 1.055 $\chi^2/\text{NDF}: 944.1/17$

-4.304 ± 0.747 $\chi^2/\text{NDF}: 3227.9/38$

-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: -1.119 ± 2.207 χ^2/NDF : 0.0/0

Right Out: -0.262 ± 0.747 χ^2/NDF : 54.8/19

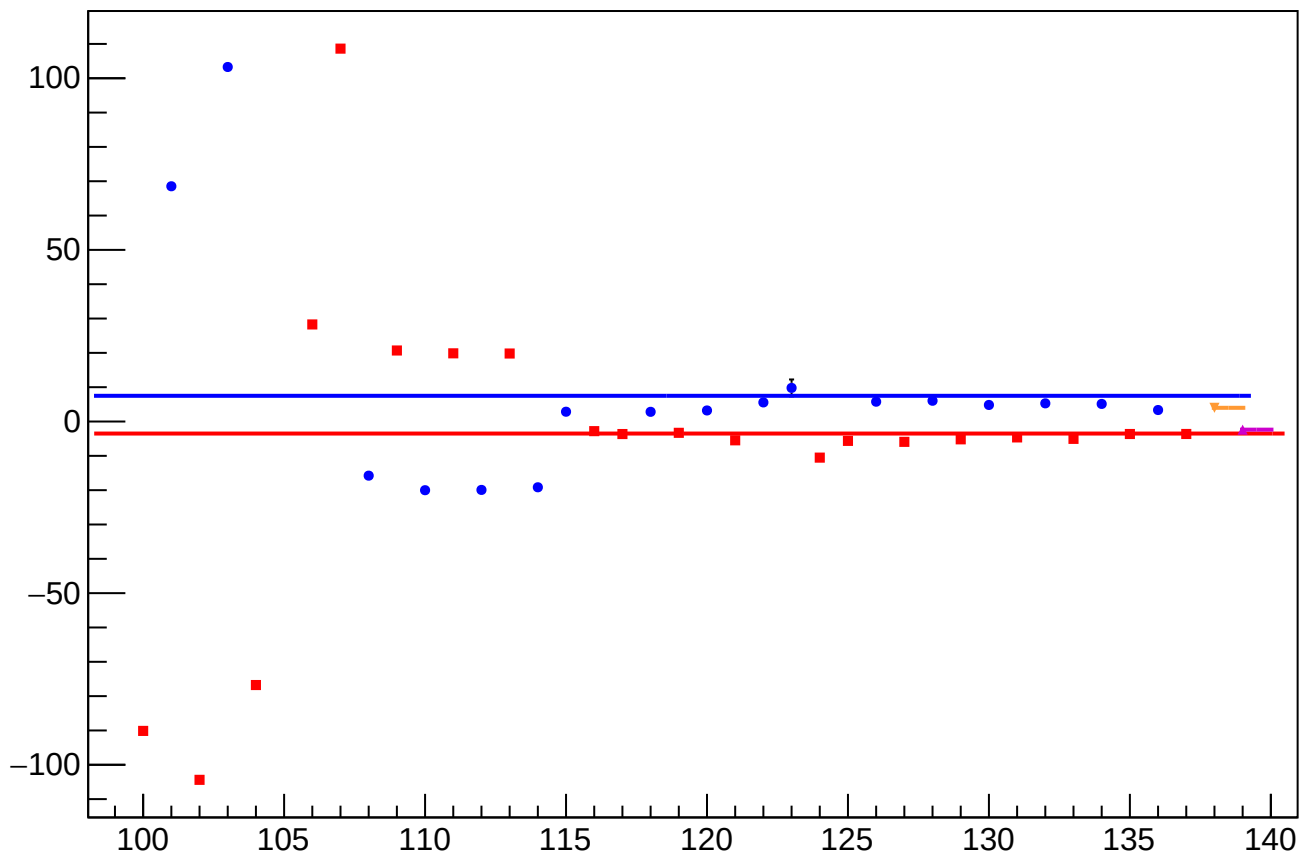
Left In: -5.012 ± 3.226 χ^2/NDF : 0.0/0

-0.305 ± 0.712 χ^2/NDF : 76.0/17

-0.402 ± 0.509 χ^2/NDF : 132.9/38

-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 χ^2/NDF : 355979.0/16

Left Out: 3.993+/-0.077 χ^2/NDF : 0.0/0

Right Out: -3.504+/-0.046 χ^2/NDF : 510579.5/19

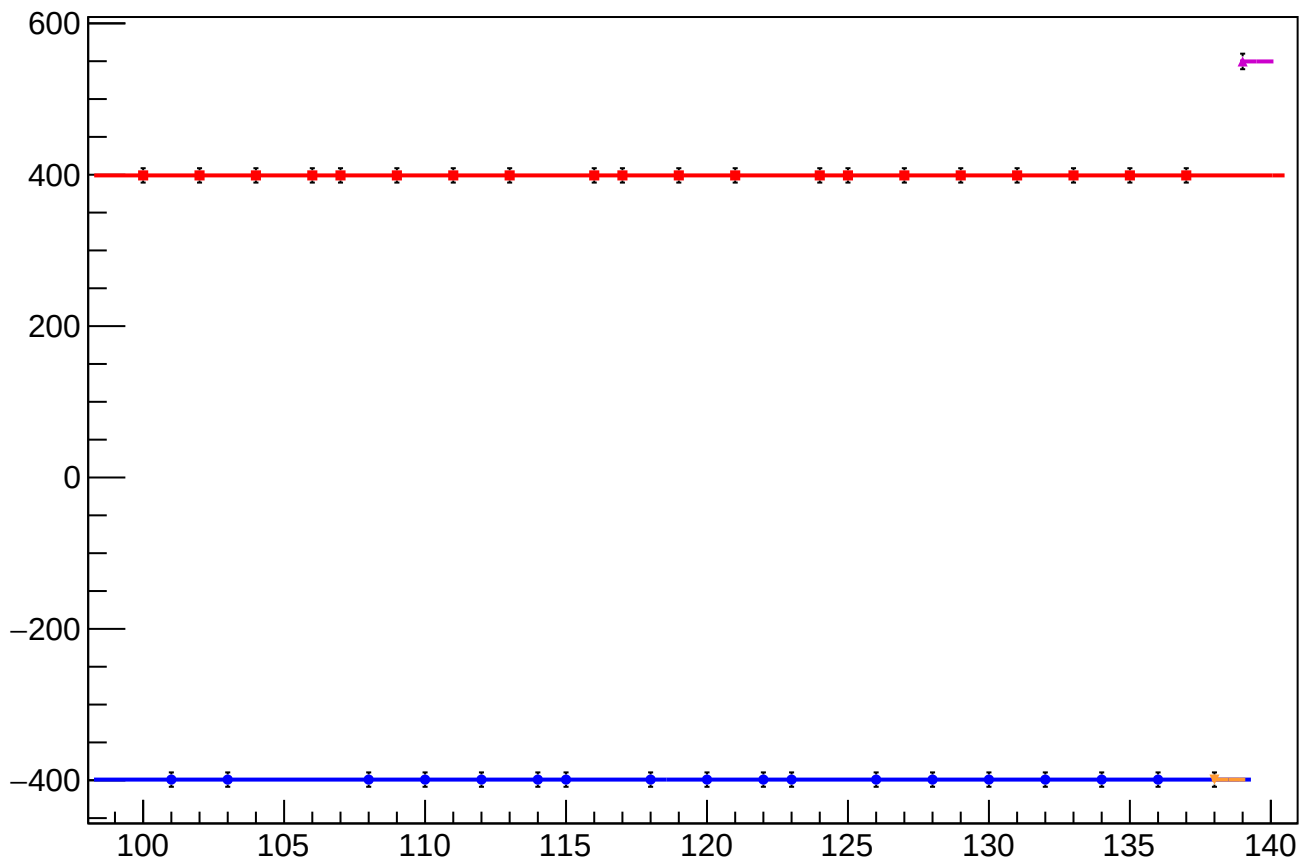
Left In: -2.370+/-0.071 χ^2/NDF : 0.0/0

6.611+/-0.039 χ^2/NDF : 357525.6/17

1.688+/-0.027 χ^2/NDF : 900604.3/38

-3.175+/-0.038 χ^2/NDF : 510759.1/20

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -399.124+/-2.307 χ^2 /NDF: 0.0/16

Left Out: -399.124+/-9.512 χ^2 /NDF: 0.0/0

Right Out: 399.124+/-2.127 χ^2 /NDF: 0.0/19

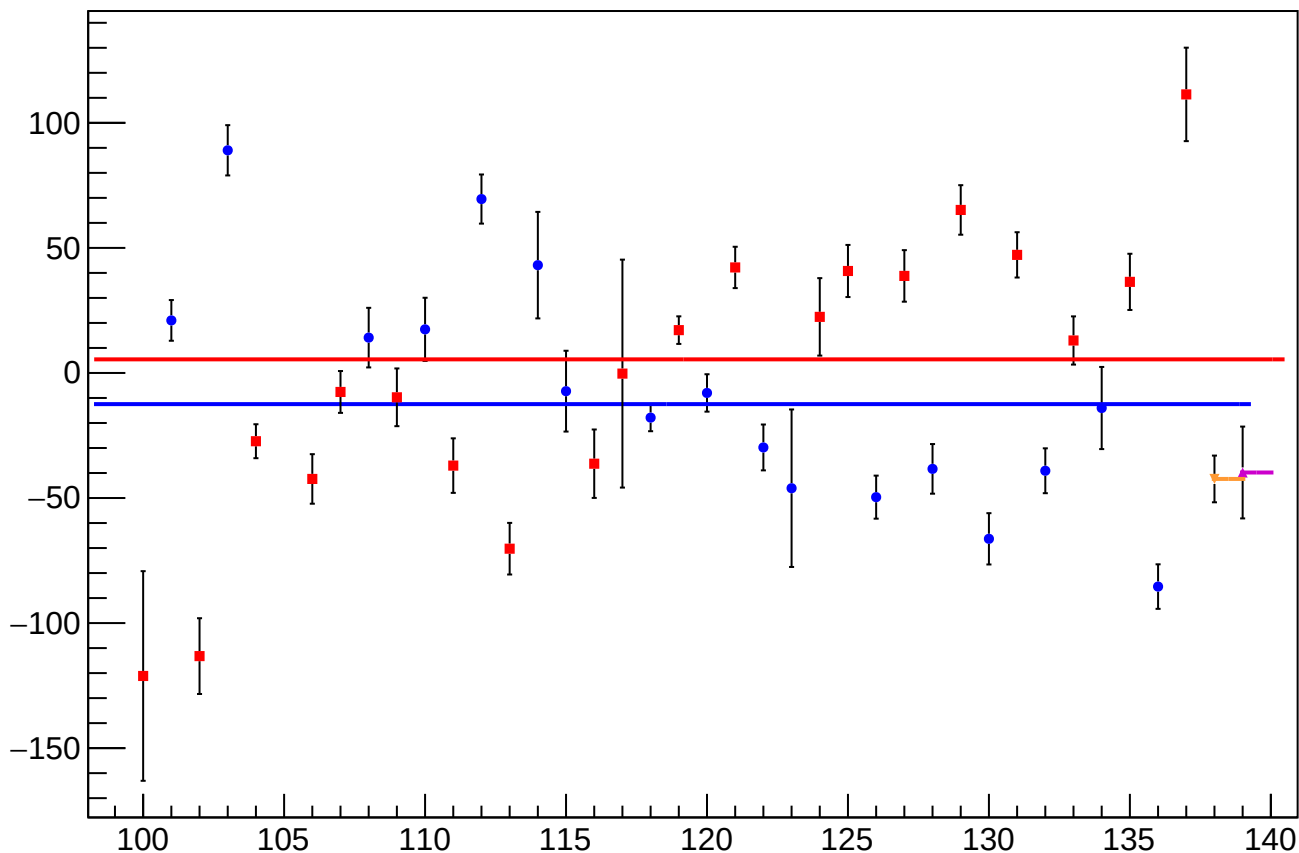
Left In: 549.690+/-10.263 χ^2 /NDF: 0.0/0

-399.124+/-2.242 χ^2 /NDF: 0.0/17

32.693+/-1.526 χ^2 /NDF: 69318.5/38

405.324+/-2.083 χ^2 /NDF: 206.4/20

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: -42.372 ± 9.340 χ^2/NDF : 0.0/0

Right Out: 5.439 ± 2.256 χ^2/NDF : 345.0/19

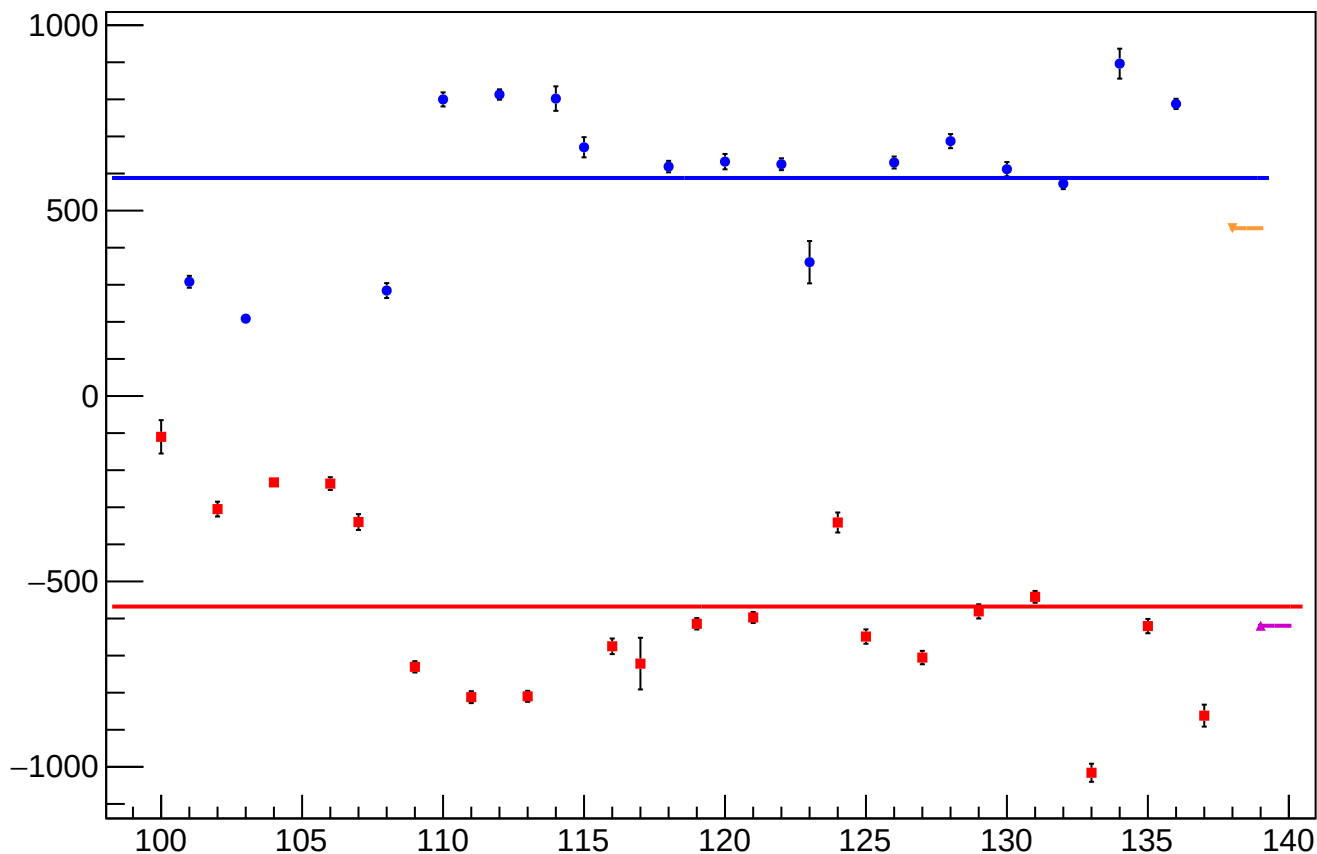
Left In: -39.798 ± 18.358 χ^2/NDF : 0.0/0

-14.237 ± 2.278 χ^2/NDF : 350.7/17

-4.572 ± 1.597 χ^2/NDF : 737.1/38

4.766 ± 2.239 χ^2/NDF : 351.0/20

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 ± 4.353 χ^2/NDF : 2129.6/16

Left Out: 452.526 ± 10.310 χ^2/NDF : 0.0/0

Right Out: -567.720 ± 4.129 χ^2/NDF : 2788.1/19

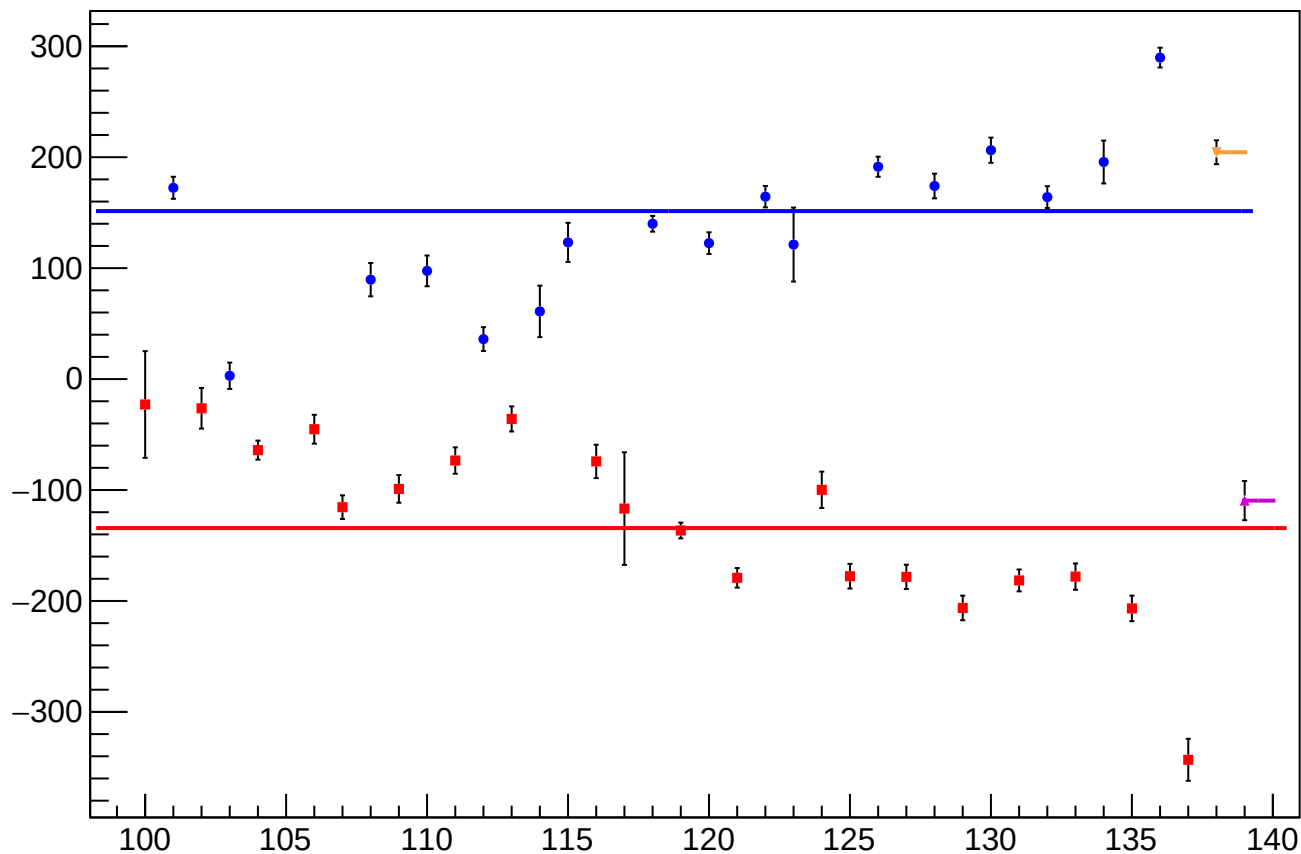
Left In: -619.505 ± 11.124 χ^2/NDF : 0.0/0

567.502 ± 4.010 χ^2/NDF : 2276.1/17

-23.410 ± 2.785 χ^2/NDF : 47030.6/38

-573.991 ± 3.871 χ^2/NDF : 2807.1/20

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 ± 2.709 χ^2/NDF : 633.3/16

Left Out: 204.447 ± 10.767 χ^2/NDF : 0.0/0

Right Out: -134.299 ± 2.612 χ^2/NDF : 585.0/19

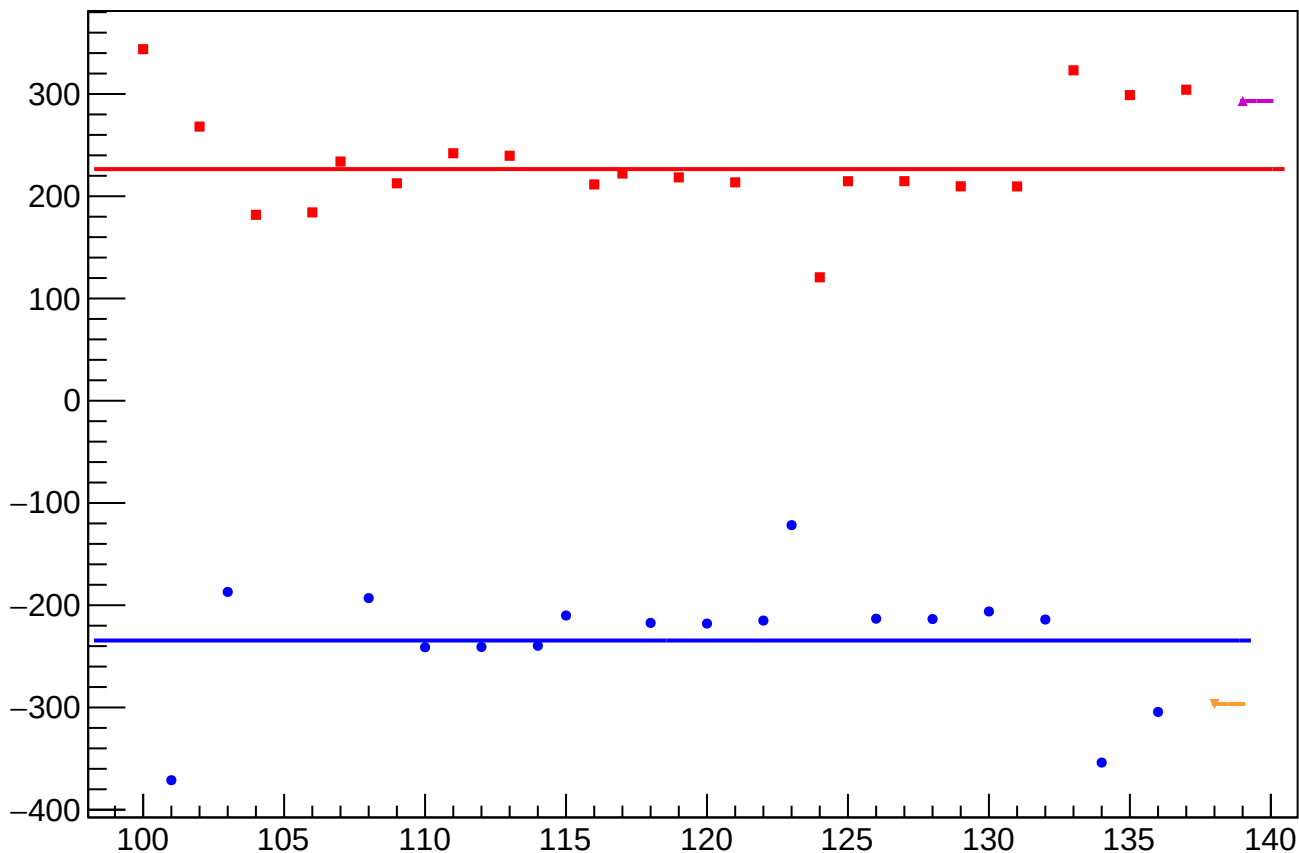
Left In: -109.543 ± 17.662 χ^2/NDF : 0.0/0

154.578 ± 2.627 χ^2/NDF : 656.1/17

8.009 ± 1.842 χ^2/NDF : 7366.0/38

-133.769 ± 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: -296.585+/-0.410 χ^2/NDF : 0.0/0

Right Out: 226.572+/-0.141 χ^2/NDF : 98970.7/19

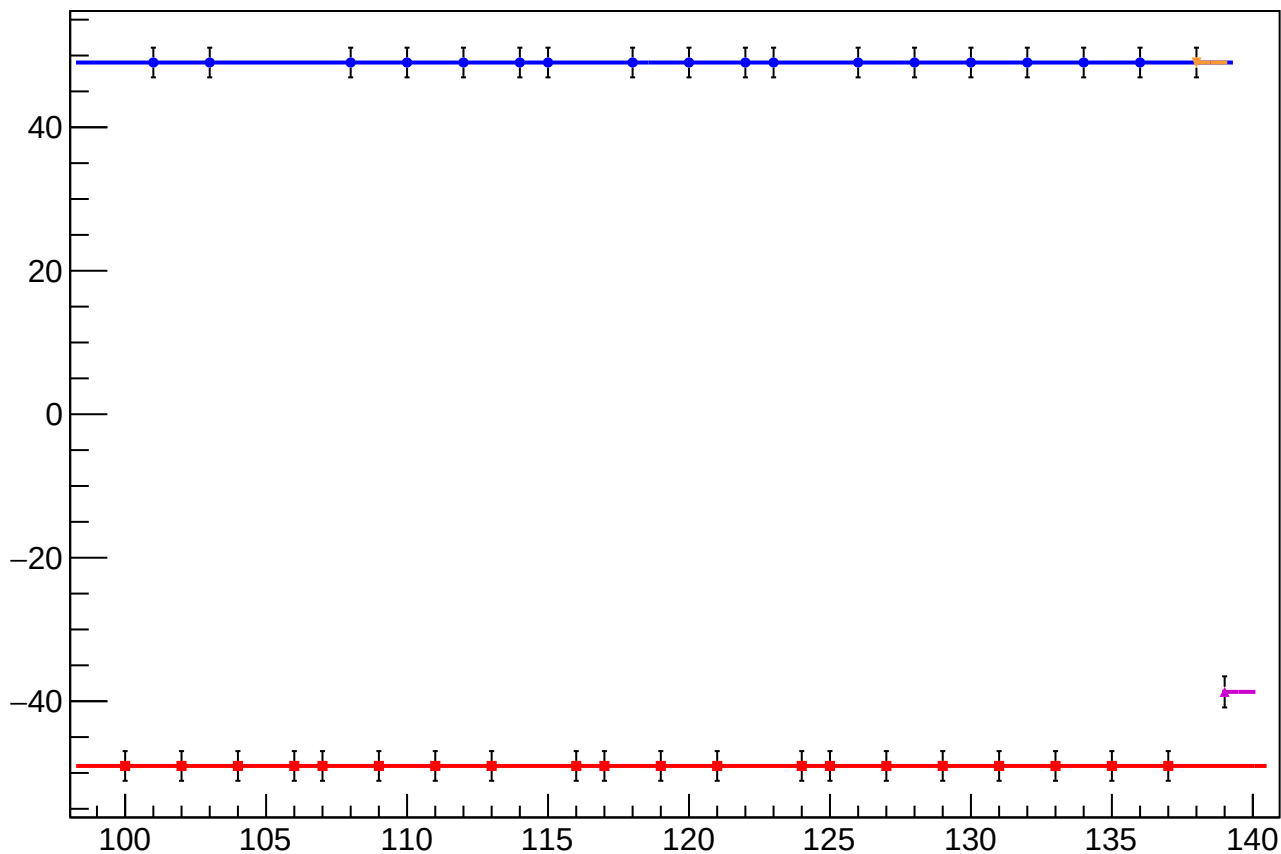
Left In: 293.141+/-0.390 χ^2/NDF : 0.0/0

-241.733+/-0.140 χ^2/NDF : 165263.0/17

8.913+/-0.096 χ^2/NDF : 6370316.5/38

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: 49.025+/-2.070 χ^2 /NDF:0.0/0

Right Out: -49.025+/-0.463 χ^2 /NDF: 0.0/19

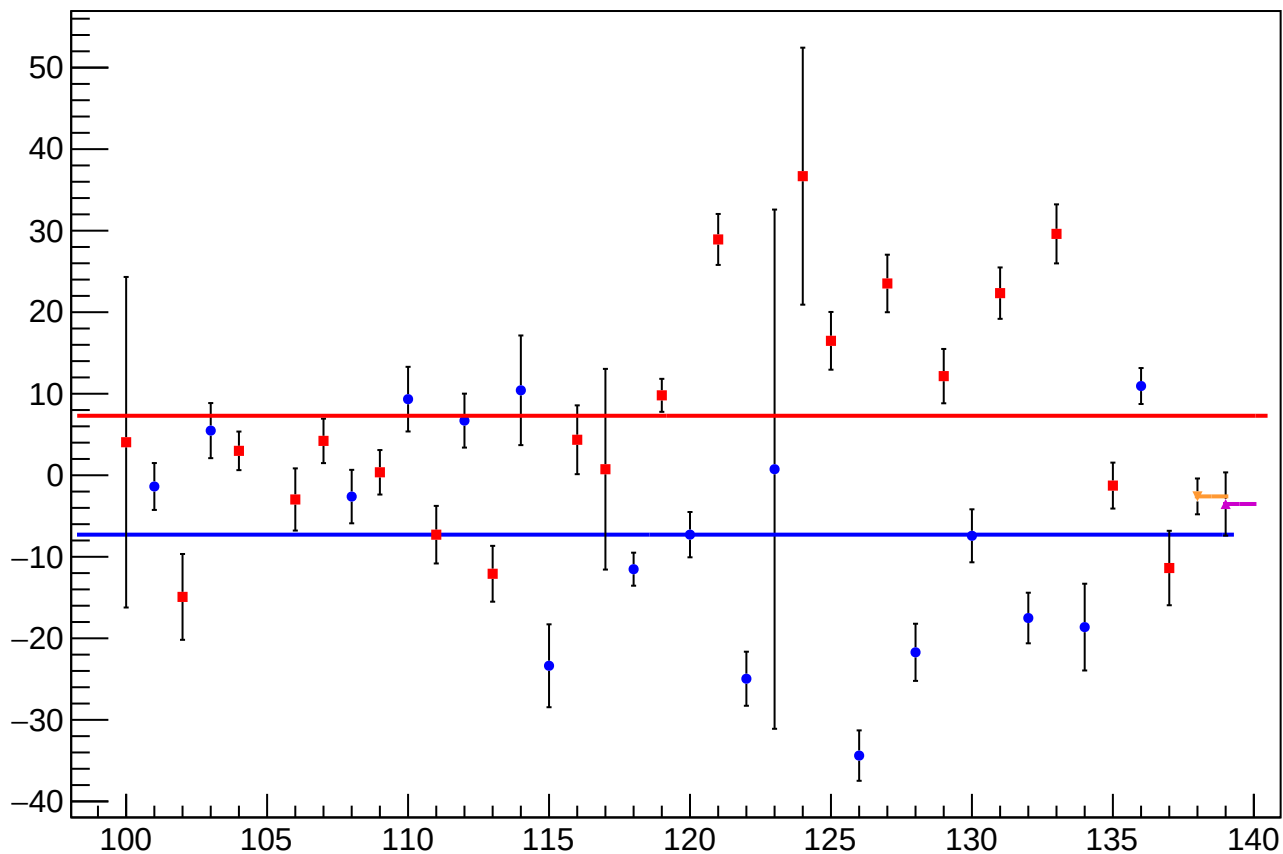
Left In: -38.700+/-2.168 χ^2 /NDF:0.0/0

49.025+/-0.488 χ^2 /NDF: 0.0/17

-3.427+/-0.332 χ^2 /NDF: 21524.3/38

-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: -2.591 ± 2.198 χ^2/NDF : 0.0/0

Right Out: 7.298 ± 0.759 χ^2/NDF : 255.6/19

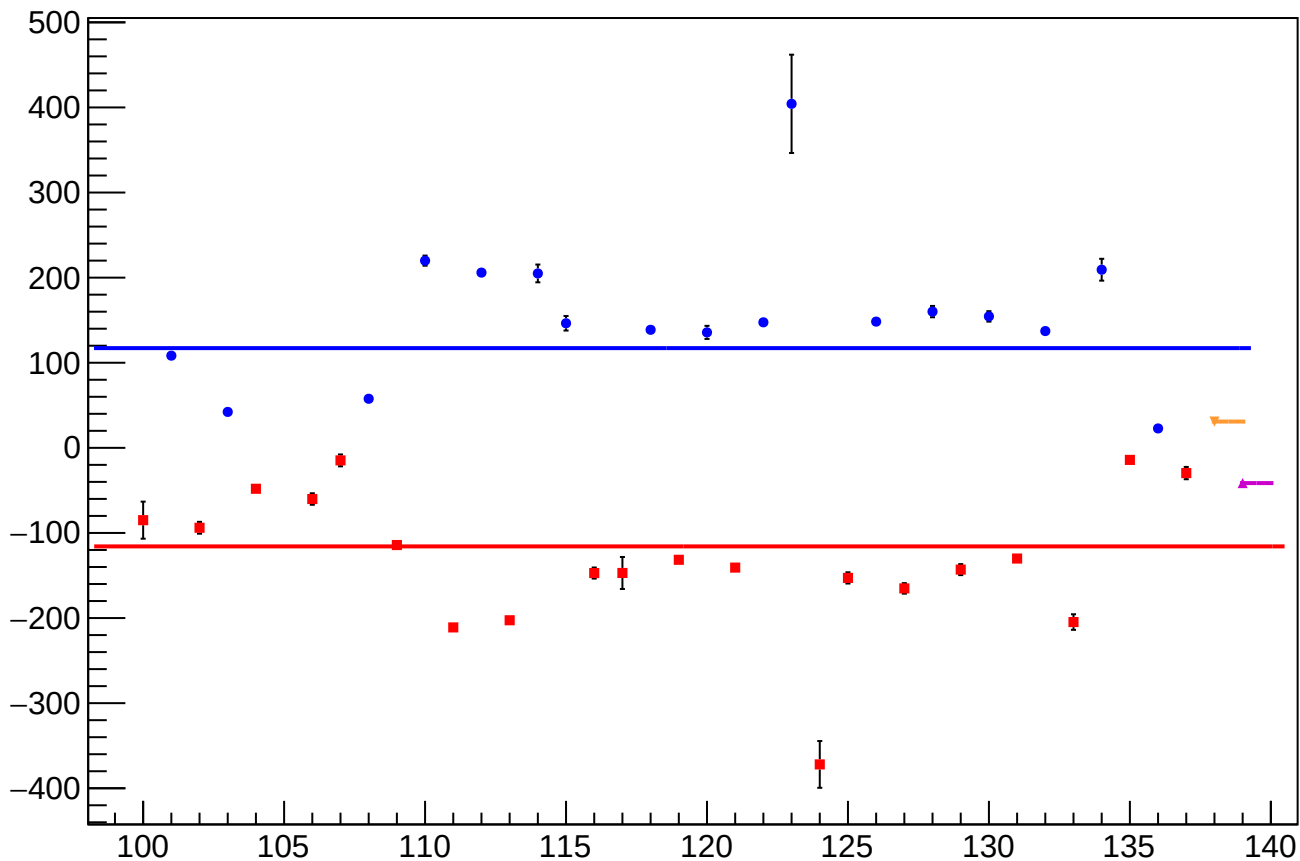
Left In: -3.524 ± 3.876 χ^2/NDF : 0.0/0

-6.749 ± 0.742 χ^2/NDF : 287.2/17

0.048 ± 0.526 χ^2/NDF : 718.7/38

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: 30.896 $\pm$ 2.245 χ^2 /NDF: 0.0/0

Right Out: -115.795 $\pm$ 1.357 χ^2 /NDF: 2140.4/19

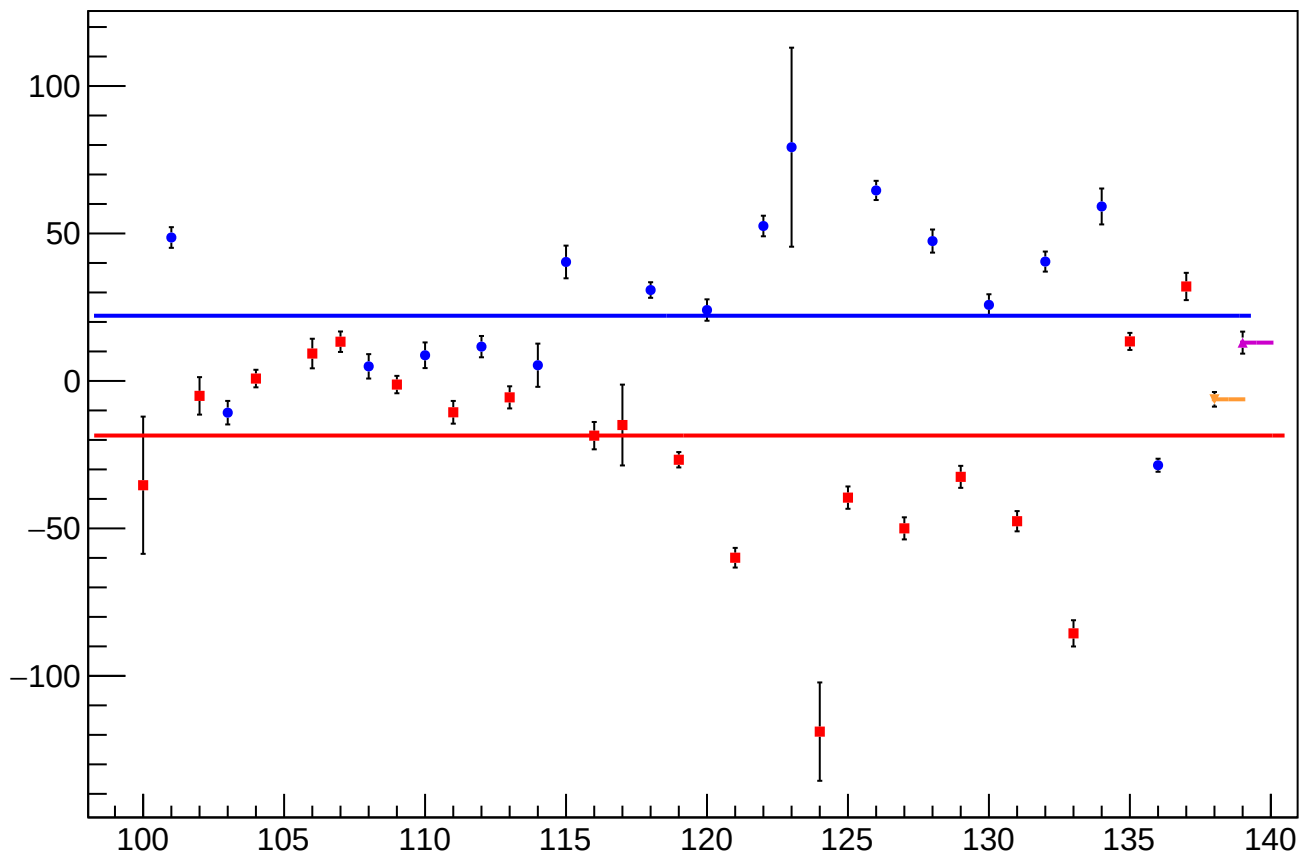
Left In: -41.407 $\pm$ 2.350 χ^2 /NDF: 0.0/0

92.625 $\pm$ 1.198 χ^2 /NDF: 3217.6/17

-4.079 $\pm$ 0.839 χ^2 /NDF: 18899.9/38

-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: -6.229+/-2.479 χ^2 /NDF: 0.0/0

Right Out: -18.506+/-0.869 χ^2 /NDF: 1068.6/19

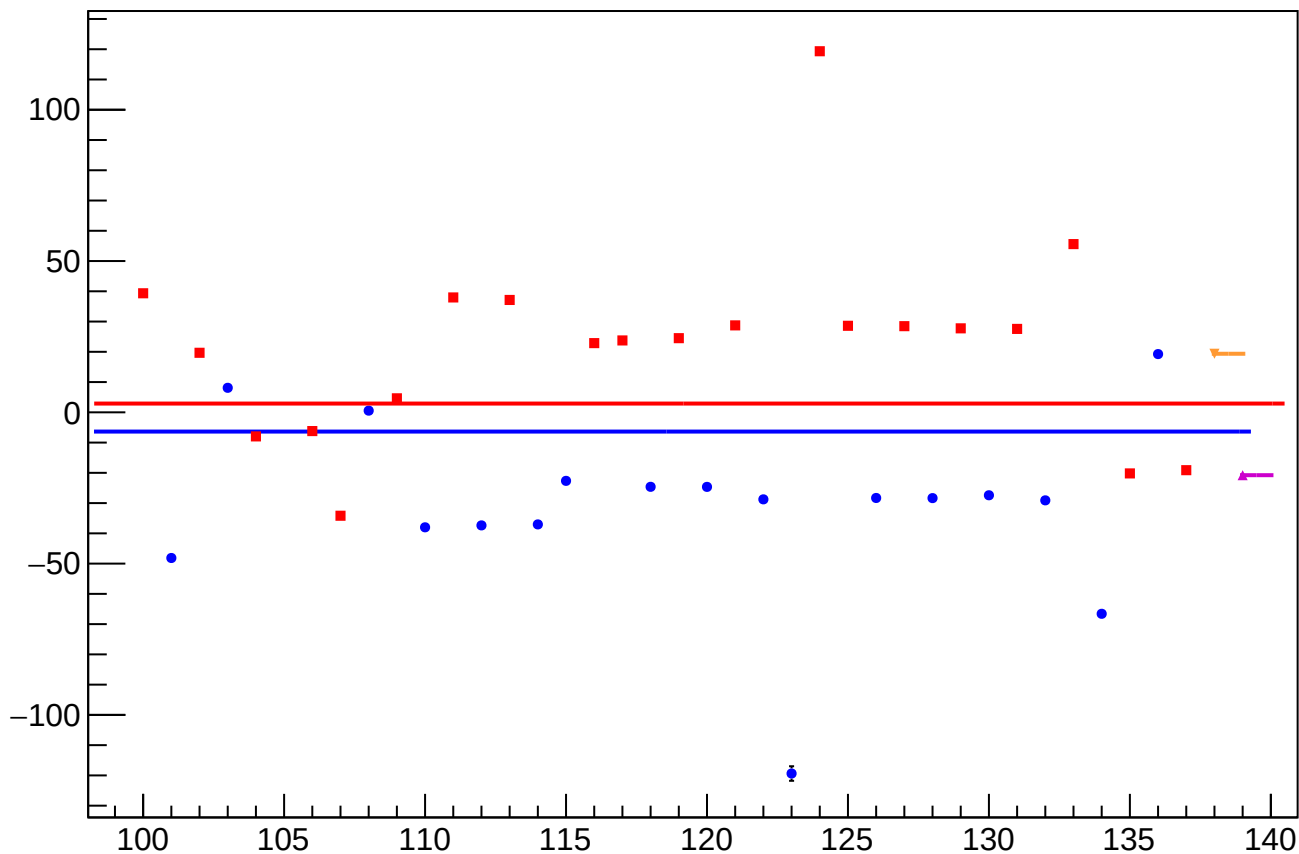
Left In: 12.991+/-3.730 χ^2 /NDF: 0.0/0

18.822+/-0.844 χ^2 /NDF: 1185.8/17

1.017+/-0.598 χ^2 /NDF: 3213.6/38

-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: 19.357+/-0.087 χ^2/NDF : 0.0/0

Right Out: 2.896+/-0.046 χ^2/NDF : 266162.6/19

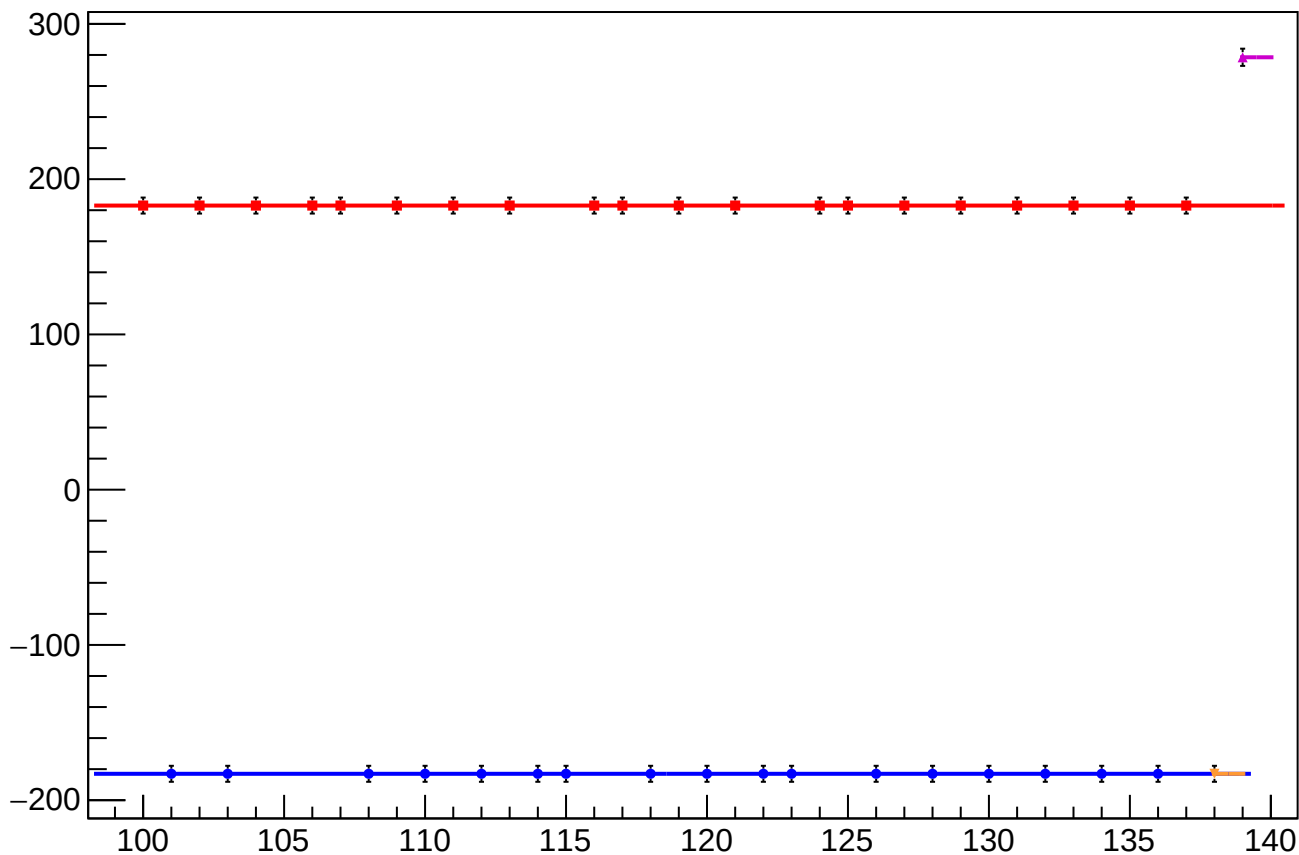
Left In: -20.776+/-0.082 χ^2/NDF : 0.0/0

-0.731+/-0.041 χ^2/NDF : 332242.1/17

-1.730+/-0.029 χ^2/NDF : 662833.7/38

-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 $\pm$ 1.250 χ^2 /NDF: 0.0/16

Left Out: -182.999 $\pm$ 5.153 χ^2 /NDF: 0.0/0

Right Out: 182.999 $\pm$ 1.152 χ^2 /NDF: 0.0/19

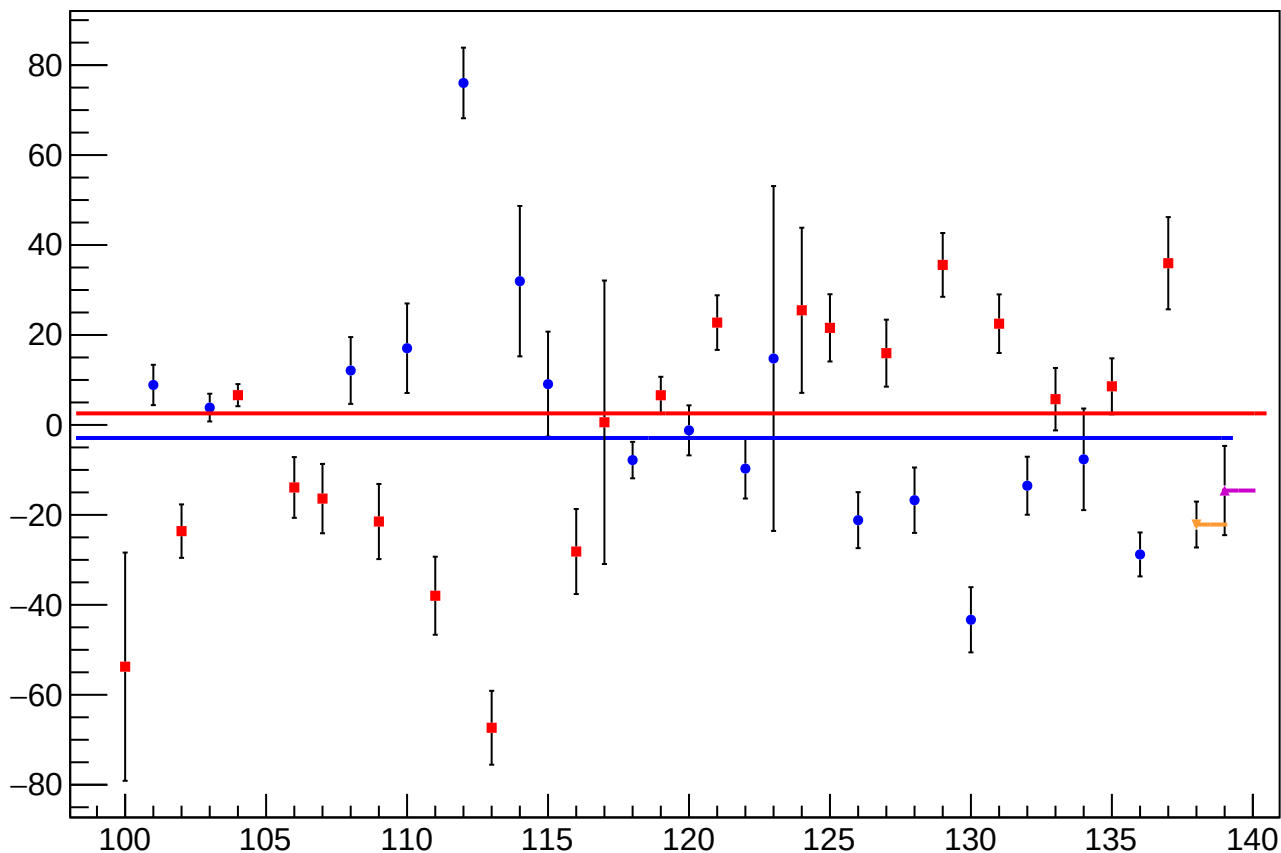
Left In: 278.508 $\pm$ 5.544 χ^2 /NDF: 0.0/0

-182.999 $\pm$ 1.215 χ^2 /NDF: 0.0/17

15.609 $\pm$ 0.827 χ^2 /NDF: 50089.8/38

186.954 $\pm$ 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: -22.144 ± 5.103 χ^2/NDF : 0.0/0

Right Out: 2.566 ± 1.395 χ^2/NDF : 218.2/19

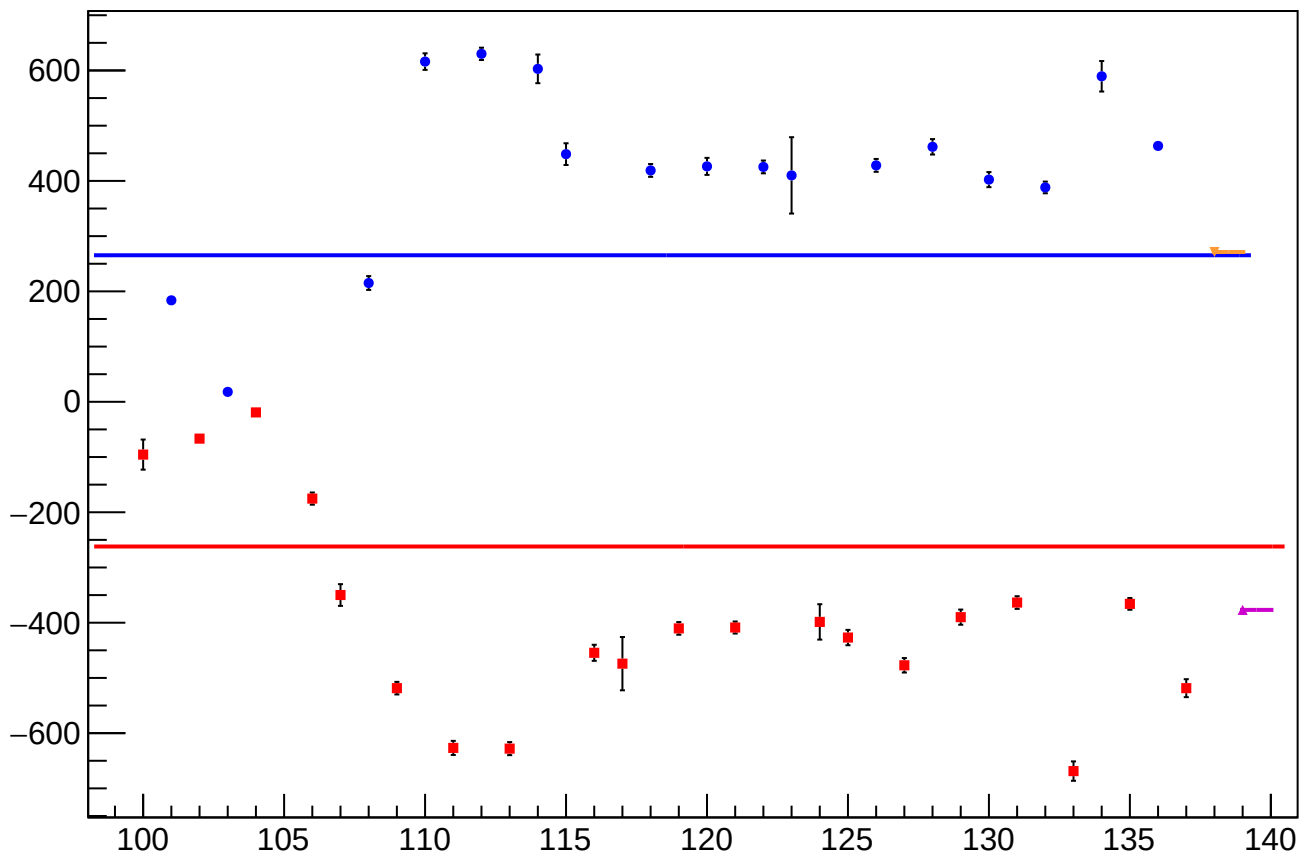
Left In: -14.586 ± 9.918 χ^2/NDF : 0.0/0

-4.370 ± 1.410 χ^2/NDF : 216.7/17

-1.001 ± 0.987 χ^2/NDF : 449.0/38

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: 271.272+/-5.586 χ^2/NDF : 0.0/0

Right Out: -262.016+/-2.455 χ^2/NDF : 8223.7/19

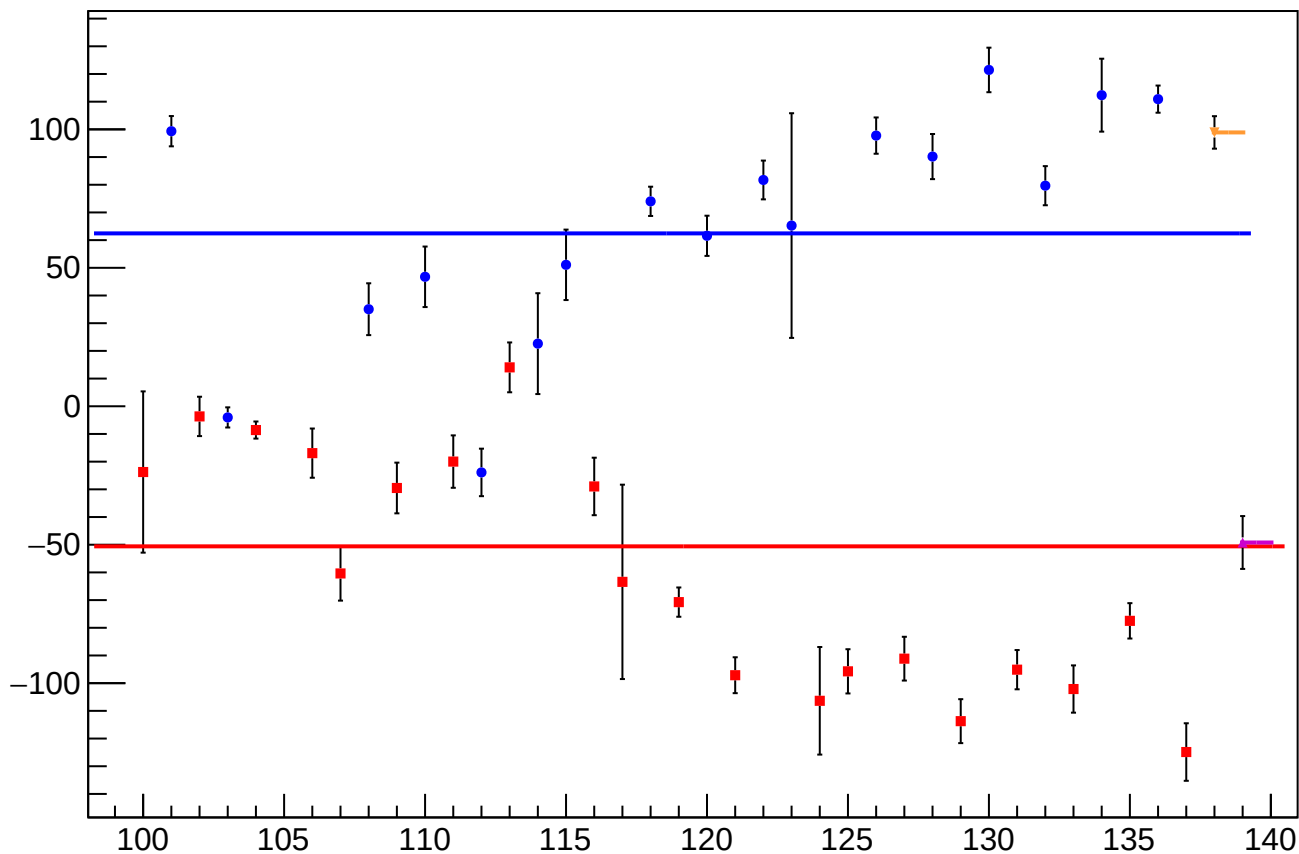
Left In: -376.806+/-6.008 χ^2/NDF : 0.0/0

266.346+/-2.273 χ^2/NDF : 7634.7/17

-6.094+/-1.607 χ^2/NDF : 44903.5/38

-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: 98.895+/-5.869 χ^2 /NDF: 0.0/0

Right Out: -50.588+/-1.640 χ^2 /NDF: 657.5/19

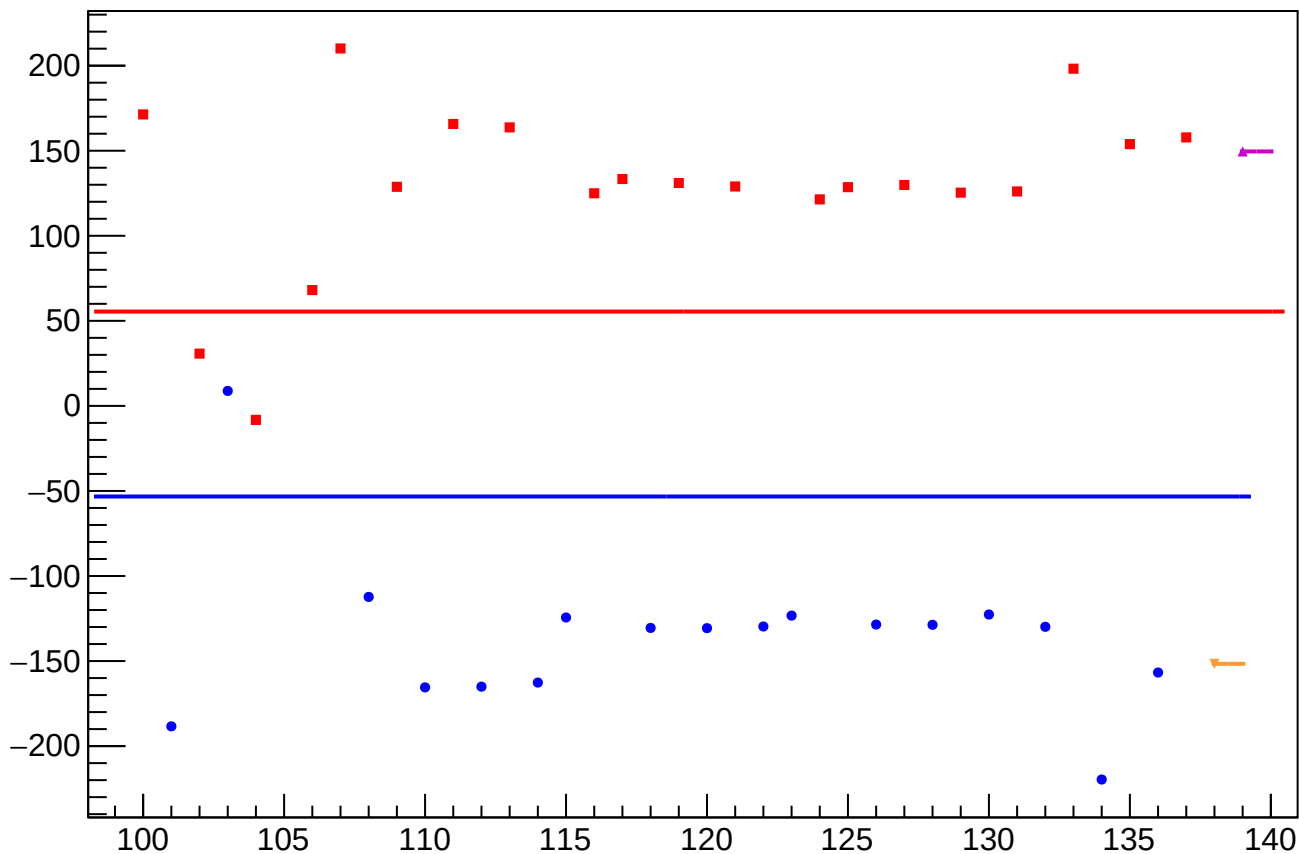
Left In: -49.198+/-9.542 χ^2 /NDF: 0.0/0

65.237+/-1.627 χ^2 /NDF: 757.4/17

6.956+/-1.147 χ^2 /NDF: 3963.1/38

-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: -151.636 ± 0.222 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 55.455 ± 0.072 $\chi^2/\text{NDF}: 968274.5/19$

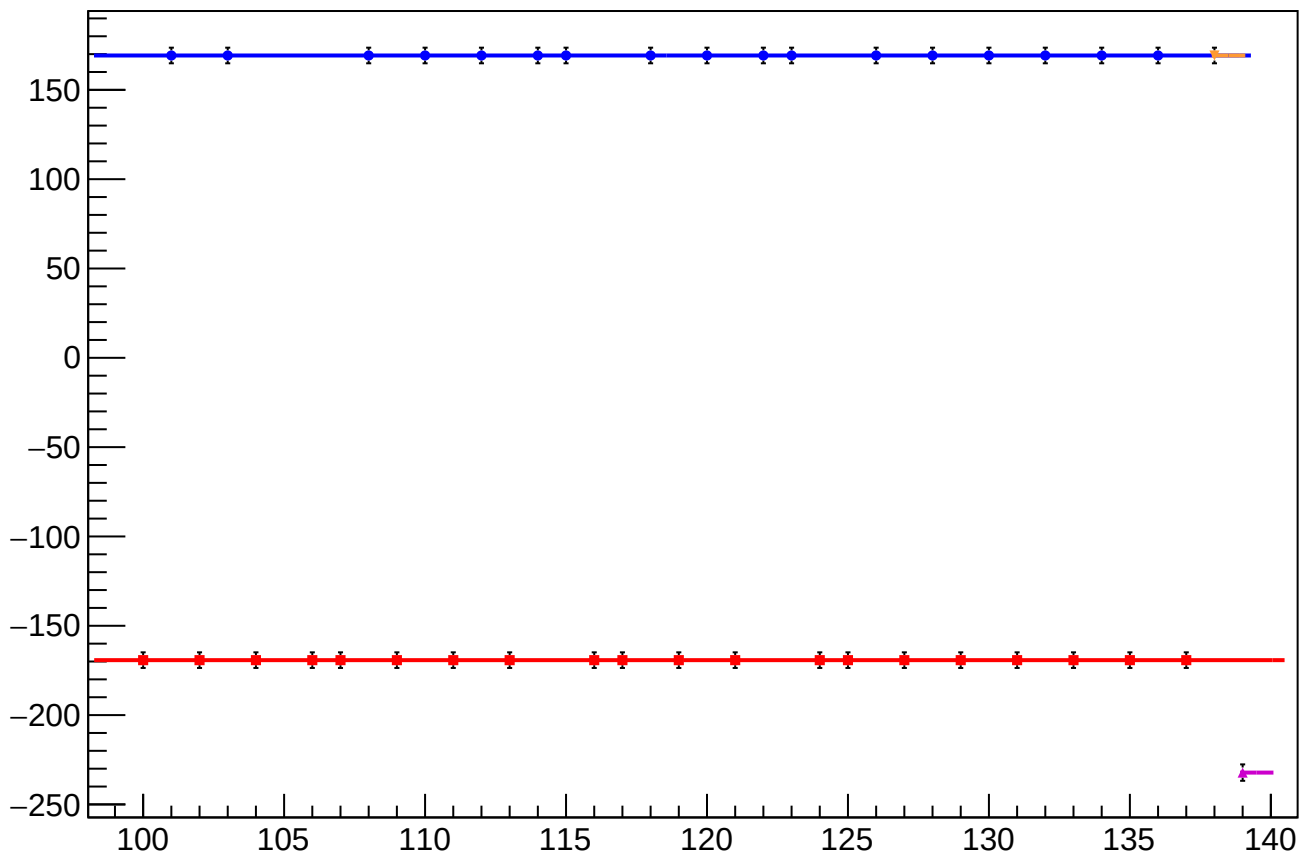
Left In: 149.577 ± 0.211 $\chi^2/\text{NDF}: 0.0/0$

-62.282 ± 0.067 $\chi^2/\text{NDF}: 1404440.2/17$

0.588 ± 0.048 $\chi^2/\text{NDF}: 4331855.1/38$

65.262 ± 0.068 $\chi^2/\text{NDF}: 1146766.3/20$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 169.242 $\pm$ 1.061 χ^2 /NDF: 0.0/16

Left Out: 169.242 $\pm$ 4.376 χ^2 /NDF: 0.0/0

Right Out: -169.242 $\pm$ 0.979 χ^2 /NDF: 0.0/19

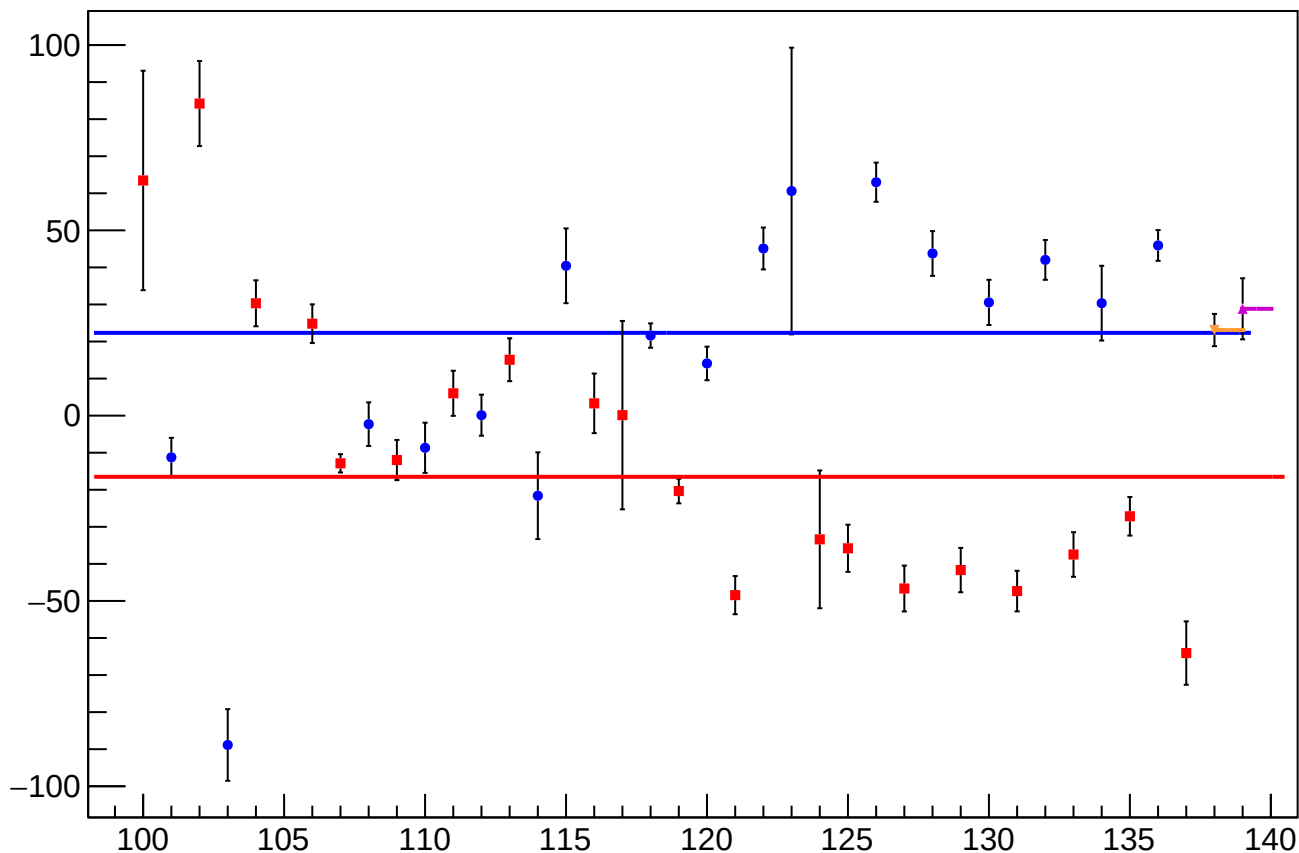
Left In: -232.187 $\pm$ 4.593 χ^2 /NDF: 0.0/0

169.242 $\pm$ 1.031 χ^2 /NDF: 0.0/17

-14.117 $\pm$ 0.702 χ^2 /NDF: 58988.2/38

-171.975 $\pm$ 0.957 χ^2 /NDF: 179.7/20

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: 23.097 $\pm$ 4.349 χ^2 /NDF: 0.0/0

Right Out: -16.498 $\pm$ 1.226 χ^2 /NDF: 427.0/19

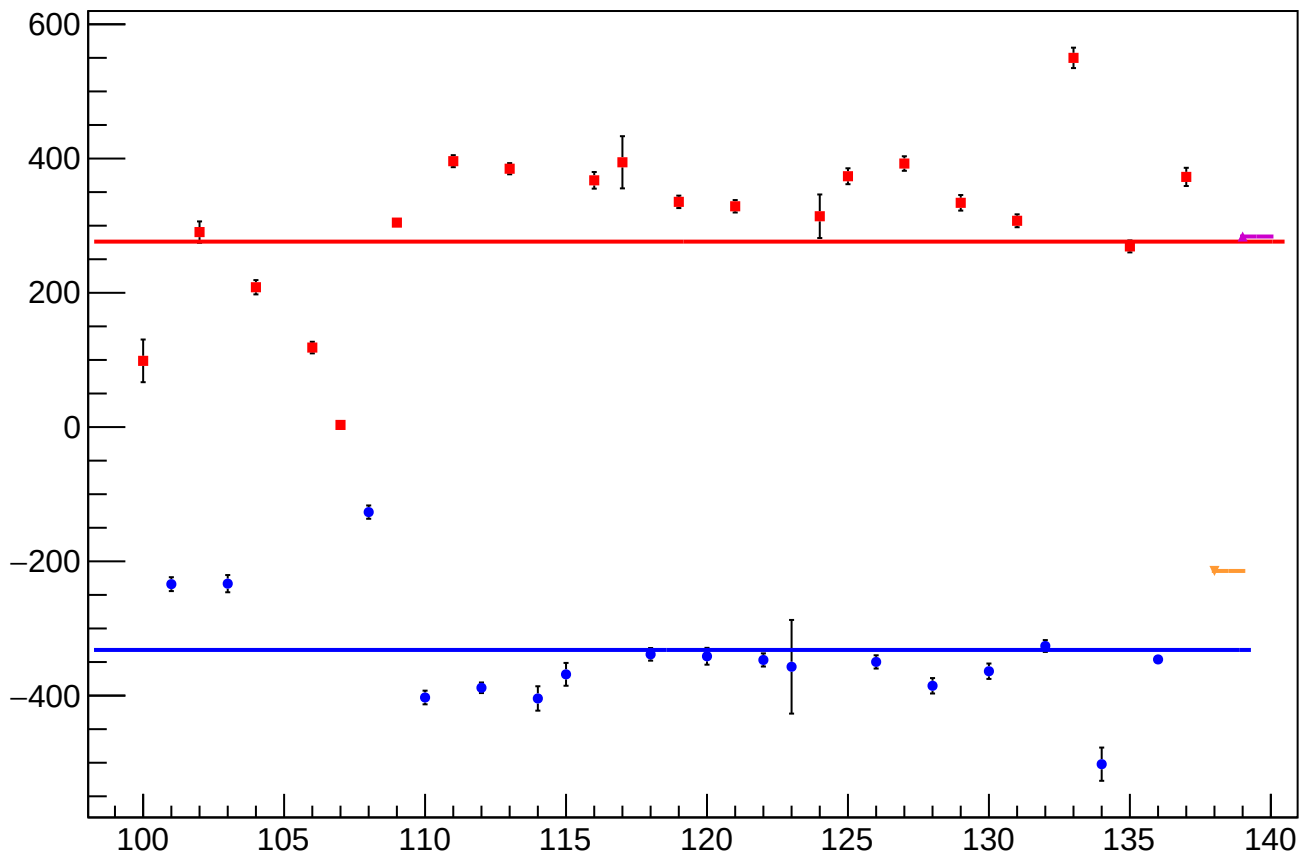
Left In: 28.825 $\pm$ 8.241 χ^2 /NDF: 0.0/0

22.413 $\pm$ 1.329 χ^2 /NDF: 385.9/17

1.720 $\pm$ 0.896 χ^2 /NDF: 1287.1/38

-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: -214.323+/-4.744 χ^2 /NDF:0.0/0

Right Out: 276.265+/-2.320 χ^2 /NDF: 3371.5/19

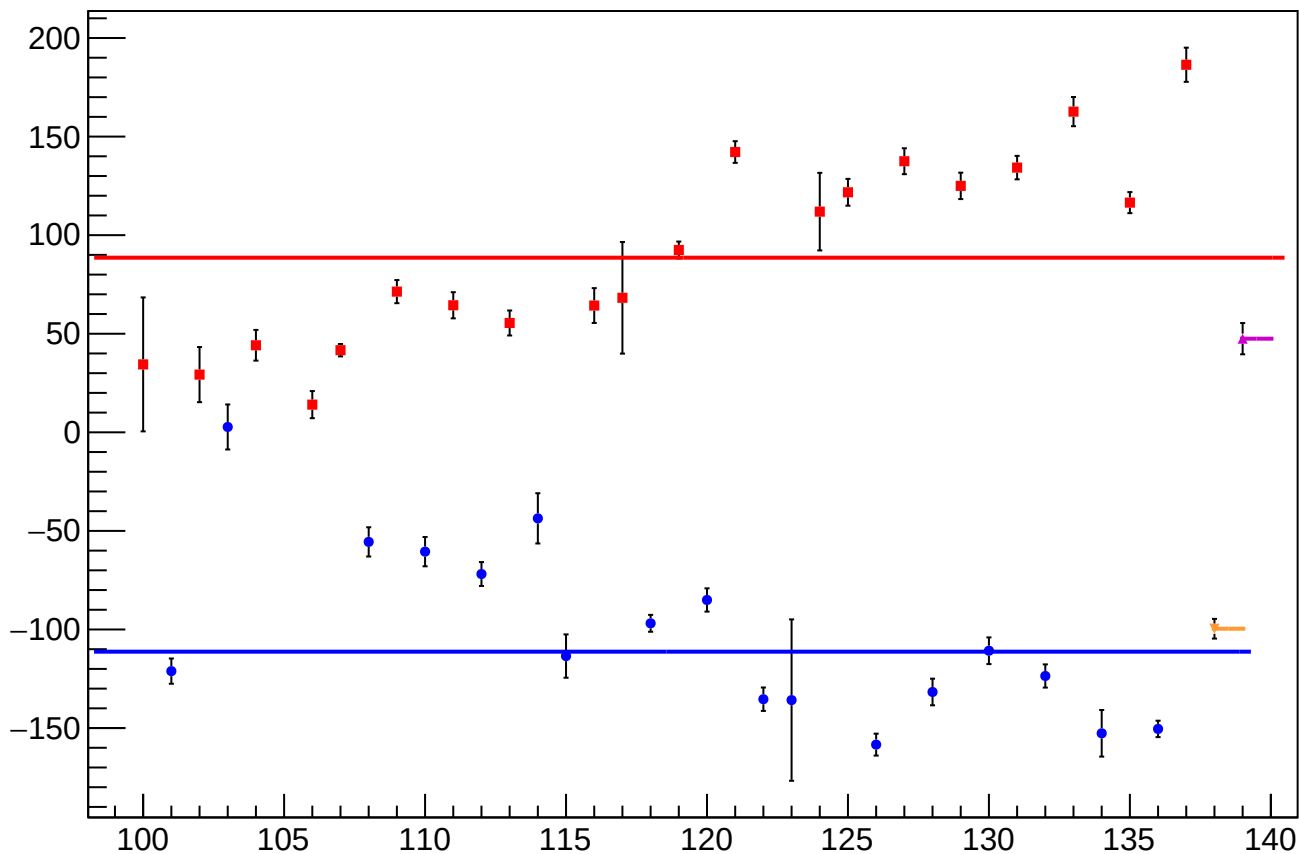
Left In: 283.862+/-4.975 χ^2 /NDF:0.0/0

-305.129+/-2.267 χ^2 /NDF: 1259.7/17

8.052+/-1.542 χ^2 /NDF: 40155.8/38

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: -99.612+/-4.995 χ^2/NDF : 0.0/0

Right Out: 88.581+/-1.431 χ^2/NDF : 971.5/19

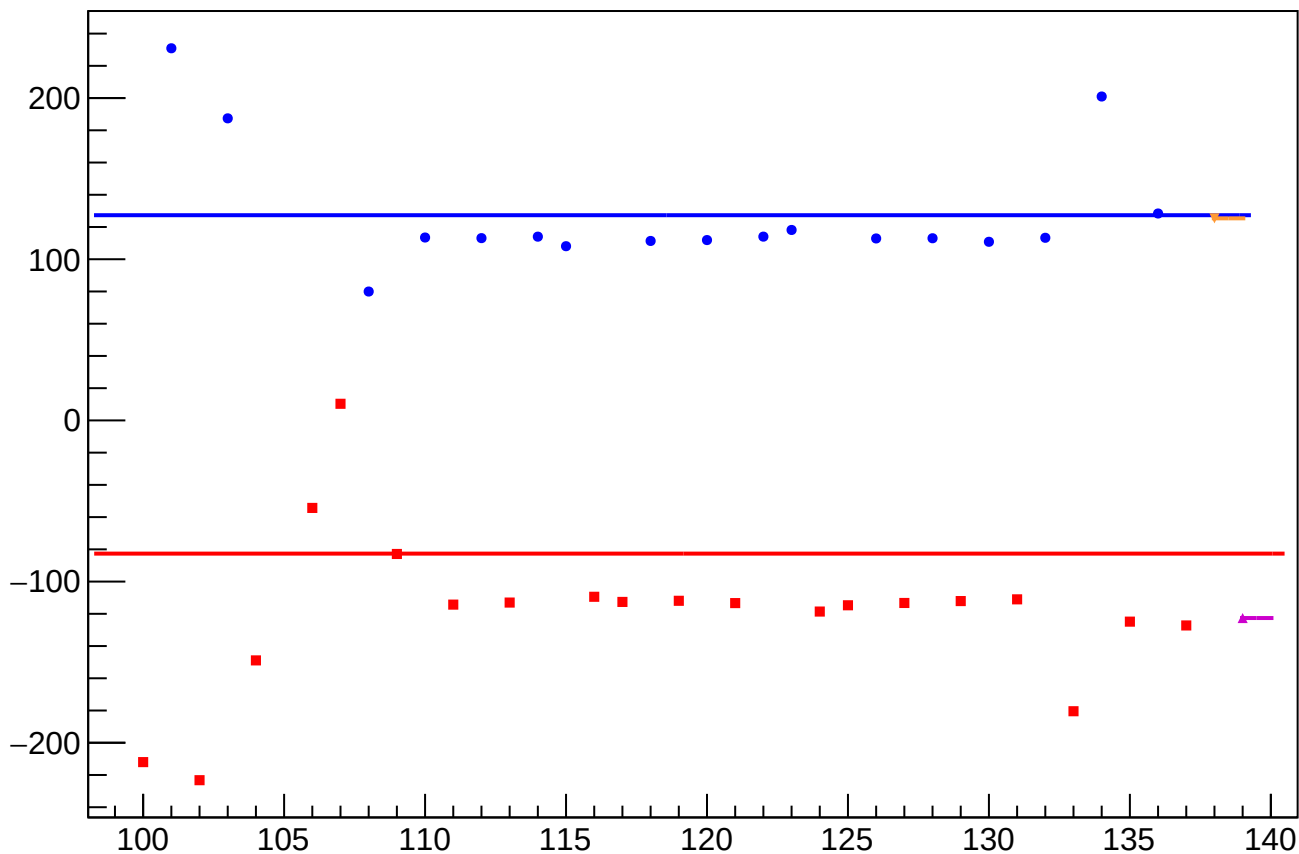
Left In: 47.496+/-7.930 χ^2/NDF : 0.0/0

-110.177+/-1.521 χ^2/NDF : 514.5/17

-3.850+/-1.034 χ^2/NDF : 10583.5/38

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: 125.377+/-0.188 χ^2/NDF : 0.0/0

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

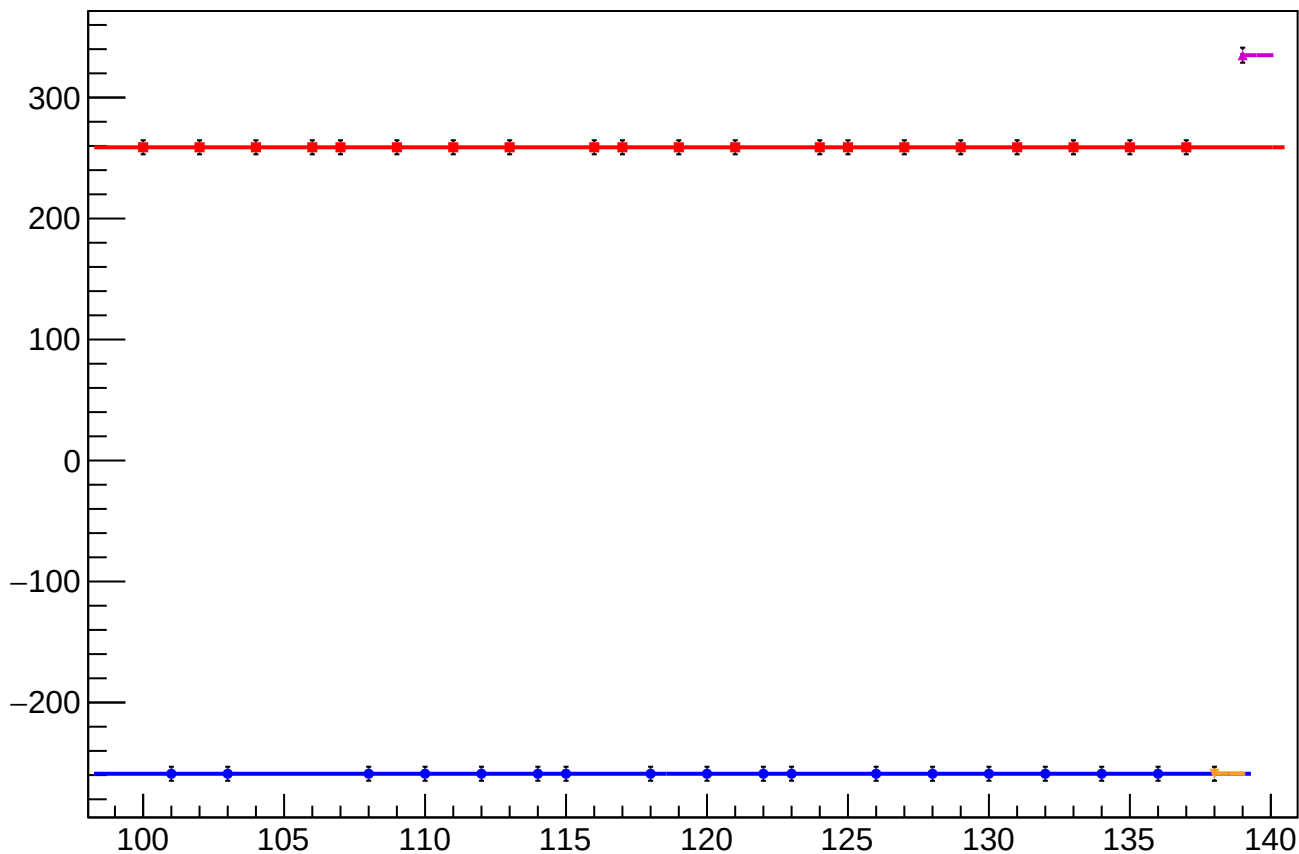
Left In: -122.617+/-0.175 χ^2/NDF : 0.0/0

126.964+/-0.081 χ^2/NDF : 187863.7/17

2.487+/-0.053 χ^2/NDF : 5115385.6/38

-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: -258.891+/-5.819 χ^2/NDF : 0.0/0

Right Out: 258.891+/-1.301 χ^2/NDF : 0.0/19

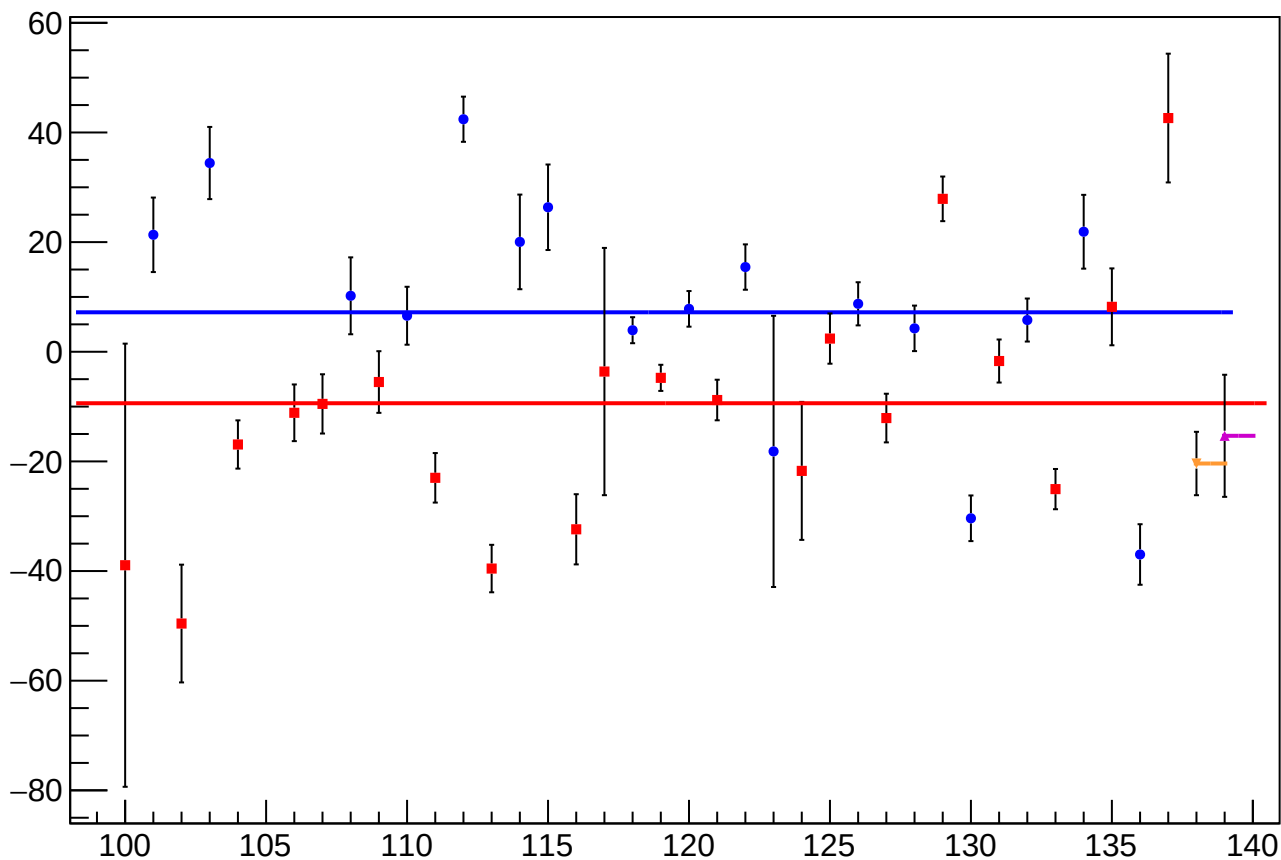
Left In: 334.991+/-6.232 χ^2/NDF : 0.0/0

-258.891+/-1.372 χ^2/NDF : 0.0/17

20.835+/-0.933 χ^2/NDF : 77600.6/38

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: -20.385 ± 5.782 χ^2/NDF : 0.0/0

Right Out: -9.390 ± 1.070 χ^2/NDF : 232.2/19

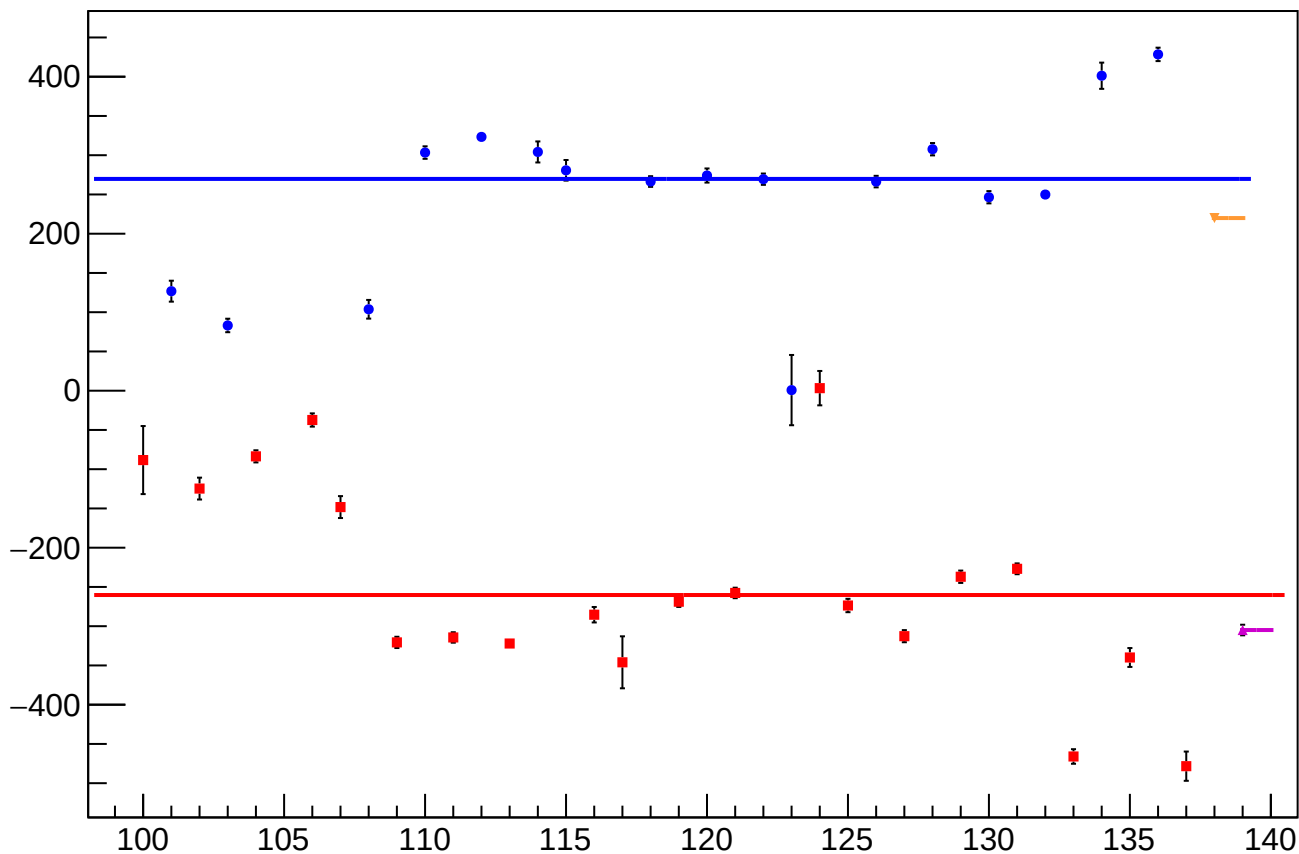
Left In: -15.330 ± 11.135 χ^2/NDF : 0.0/0

6.231 ± 1.083 χ^2/NDF : 282.8/17

-1.741 ± 0.759 χ^2/NDF : 621.8/38

-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 ± 2.089 χ^2/NDF : 1374.1/16

Left Out: 219.939 ± 6.308 χ^2/NDF : 0.0/0

Right Out: -260.286 ± 1.973 χ^2/NDF : 2545.4/19

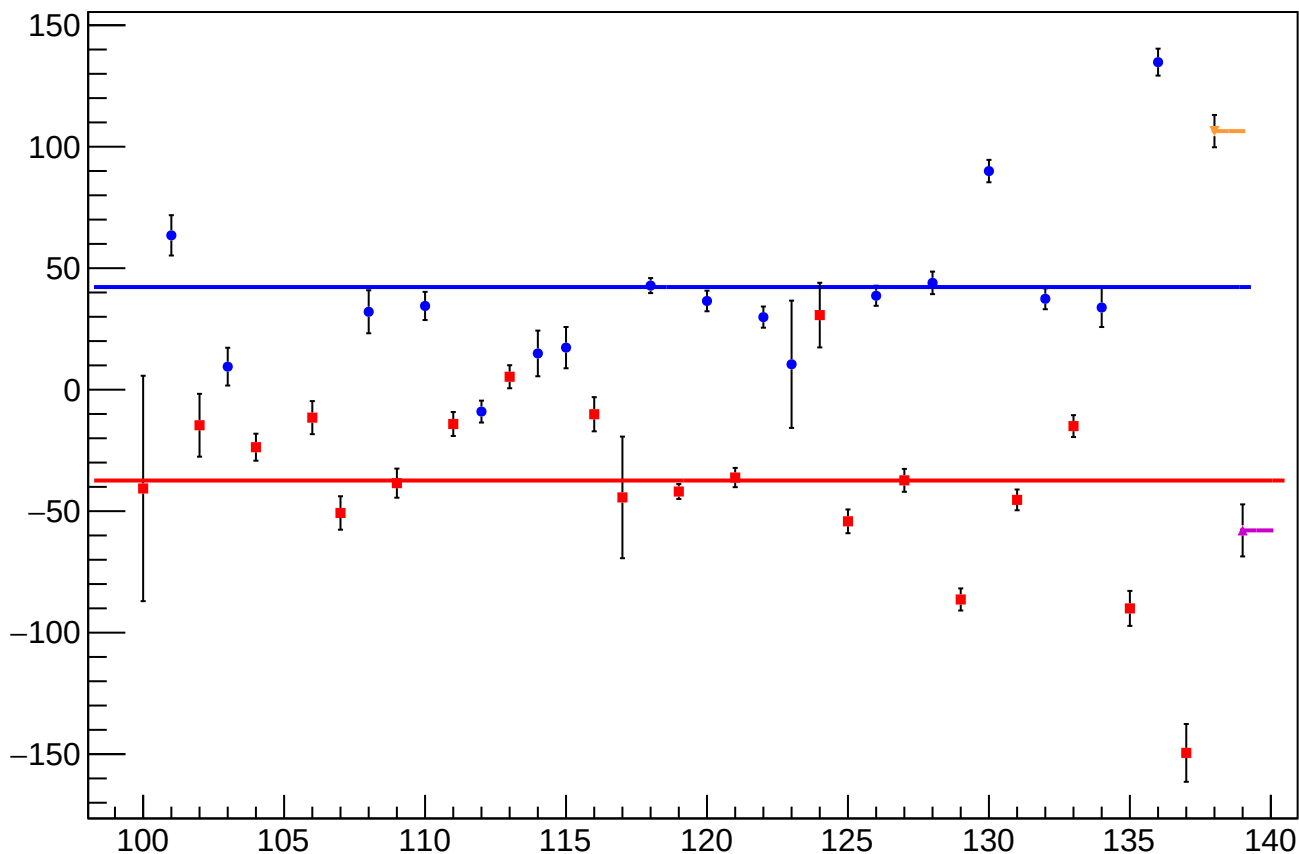
Left In: -304.890 ± 6.756 χ^2/NDF : 0.0/0

264.878 ± 1.983 χ^2/NDF : 1430.4/17

-11.579 ± 1.370 χ^2/NDF : 41176.5/38

-263.793 ± 1.894 χ^2/NDF : 2585.5/20

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242+/-1.274 χ^2 /NDF: 574.4/16

Left Out: 106.420+/-6.645 χ^2 /NDF: 0.0/0

Right Out: -37.384+/-1.233 χ^2 /NDF: 472.4/19

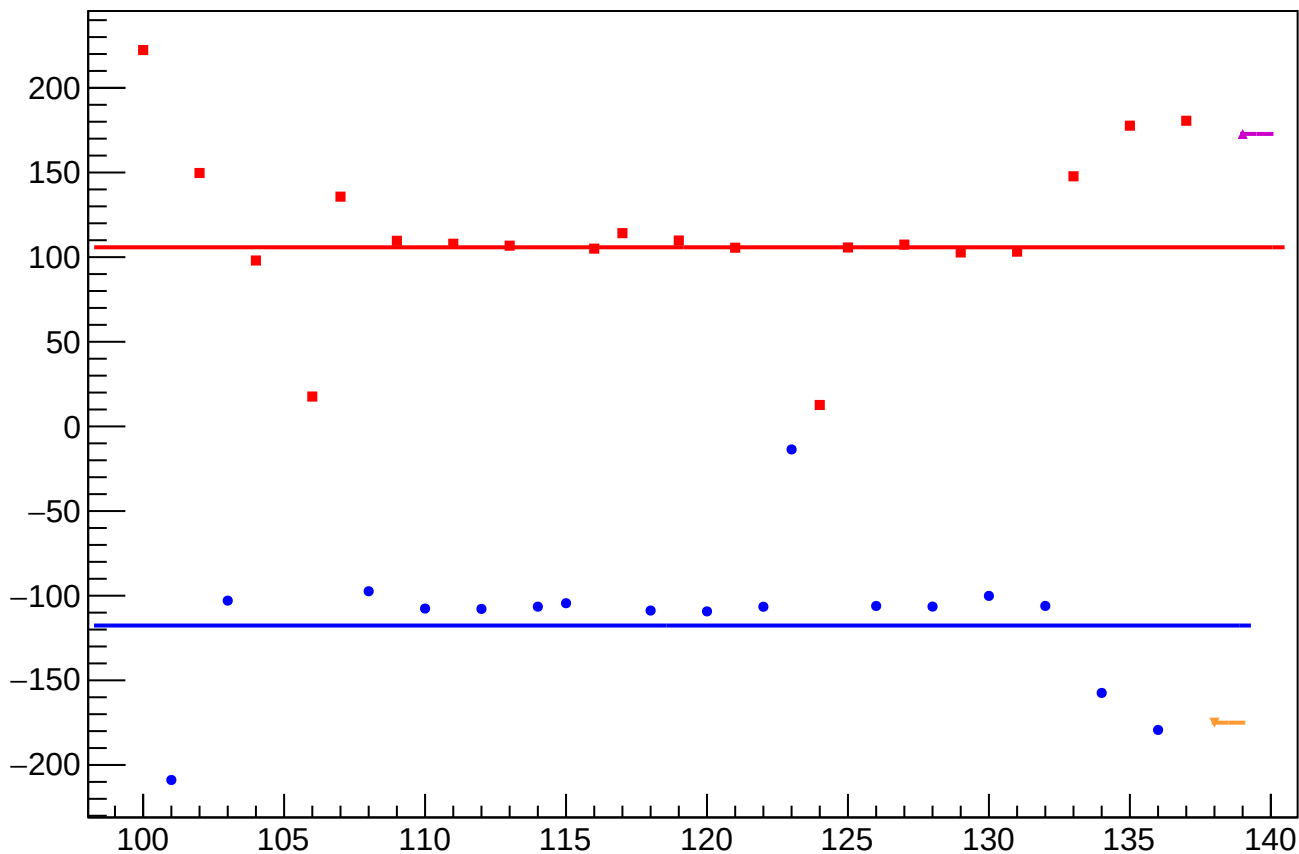
Left In: -57.916+/-10.712 χ^2 /NDF: 0.0/0

44.515+/-1.251 χ^2 /NDF: 664.4/17

2.571+/-0.875 χ^2 /NDF: 3343.1/38

-37.652+/-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: -175.003+/-0.250 χ^2/NDF : 0.0/0

Right Out: 105.826+/-0.073 χ^2/NDF : 323138.4/19

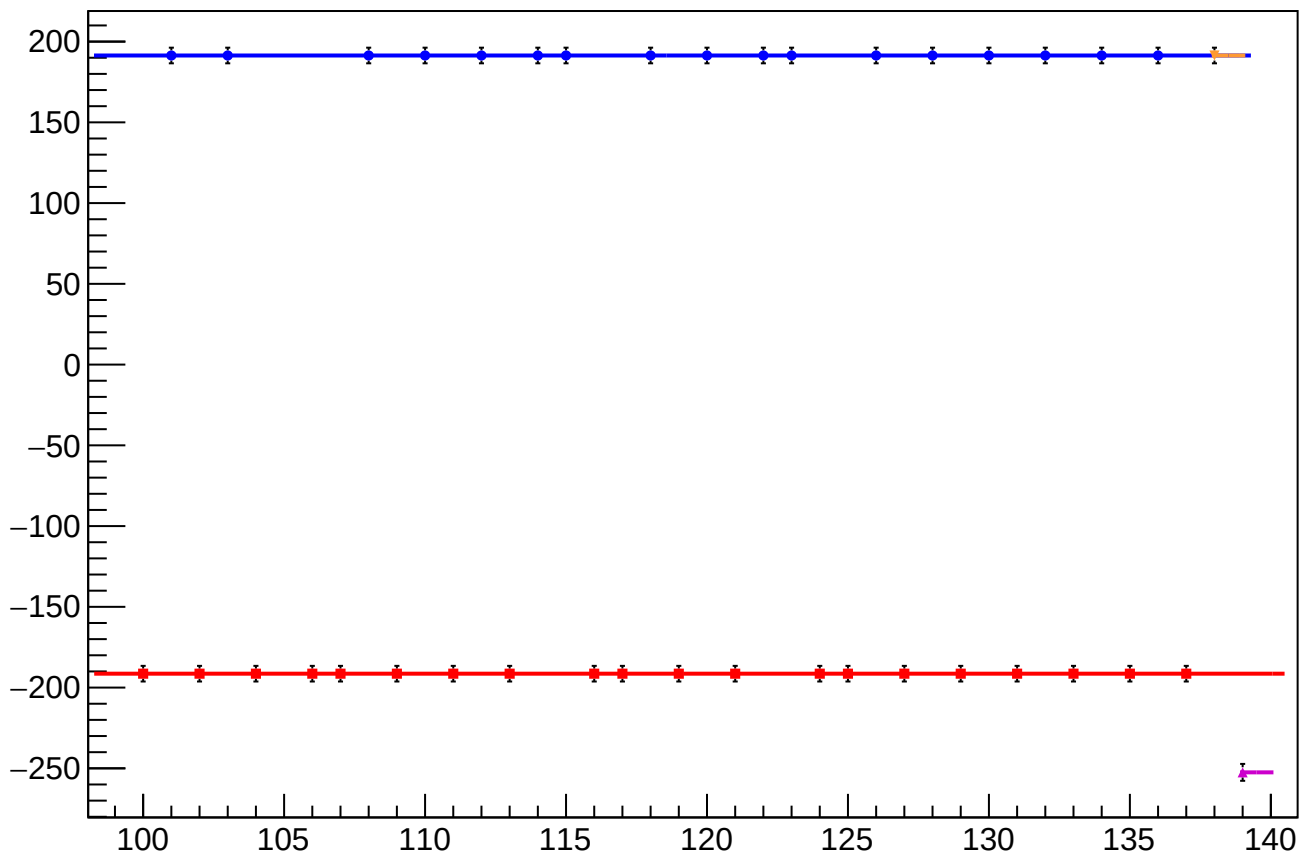
Left In: 172.788+/-0.237 χ^2/NDF : 0.0/0

-122.769+/-0.075 χ^2/NDF : 189732.7/17

3.182+/-0.051 χ^2/NDF : 5844605.0/38

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 ± 1.175 χ^2/NDF : 0.0/16

Left Out: 191.392 ± 4.845 χ^2/NDF : 0.0/0

Right Out: -191.392 ± 1.083 χ^2/NDF : 0.0/19

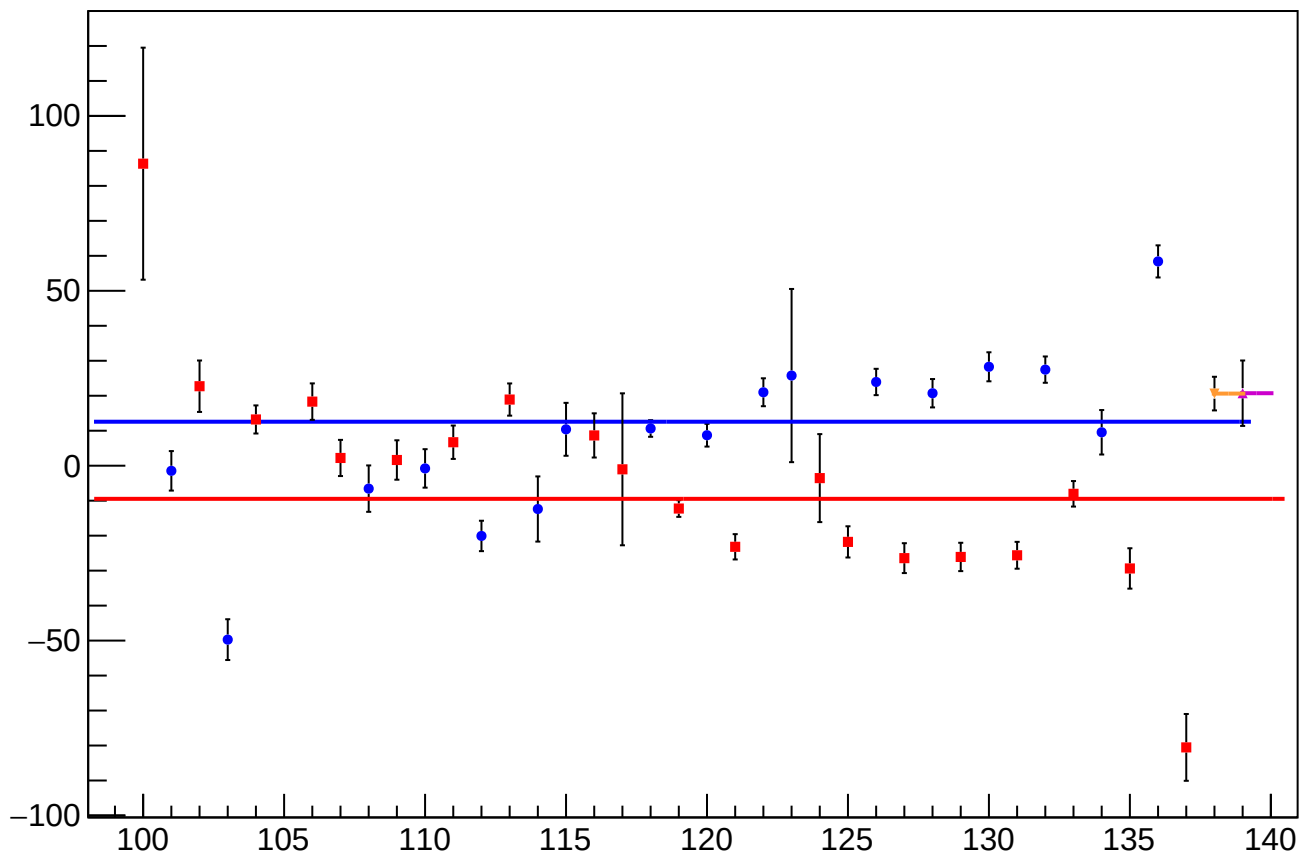
Left In: -252.491 ± 5.229 χ^2/NDF : 0.0/0

191.392 ± 1.142 χ^2/NDF : 0.0/17

-15.430 ± 0.777 χ^2/NDF : 61232.3/38

-193.908 ± 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: 20.615 $\pm$ 4.809 χ^2 /NDF:0.0/0

Right Out: -9.474 $\pm$ 1.046 χ^2 /NDF: 296.0/19

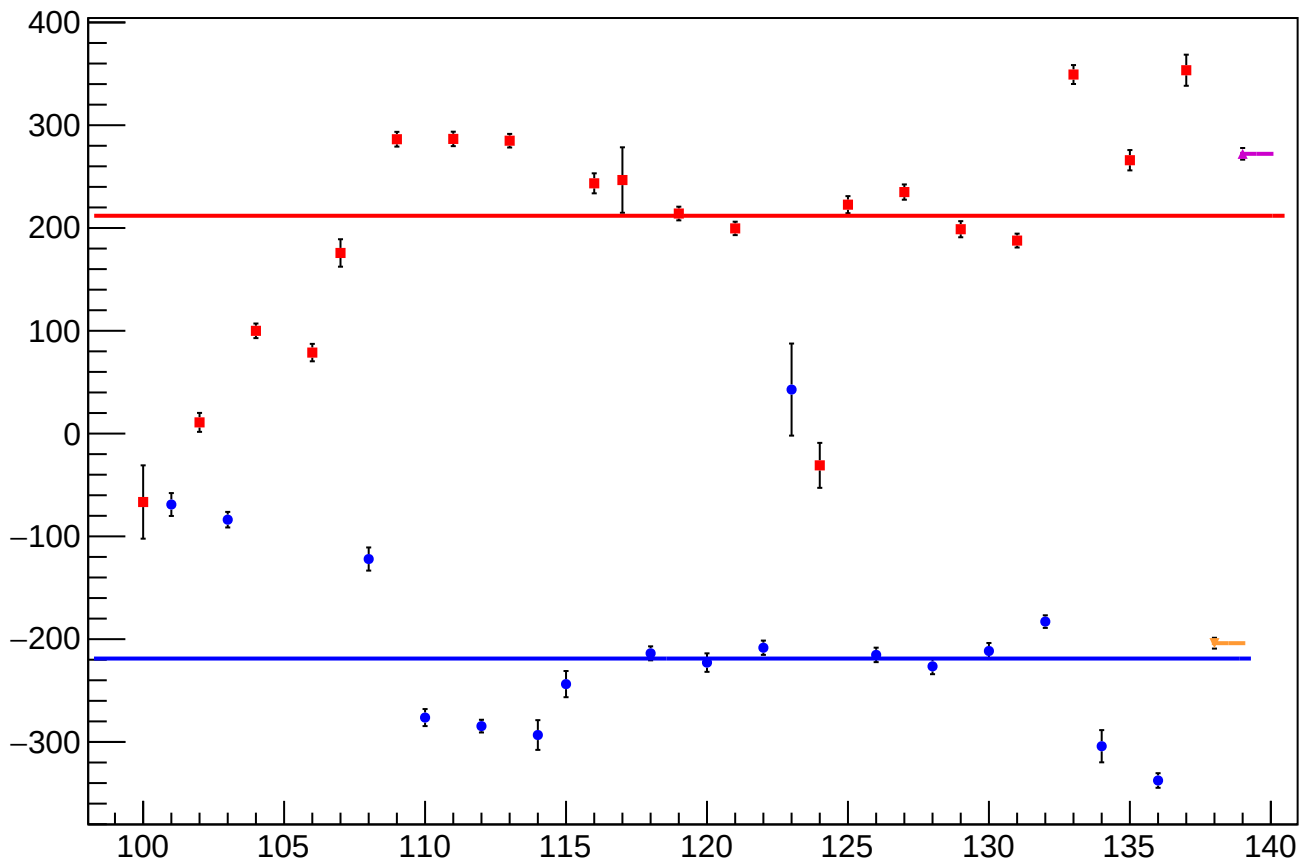
Left In: 20.724 $\pm$ 9.350 χ^2 /NDF:0.0/0

12.956 $\pm$ 1.048 χ^2 /NDF: 350.7/17

1.838 $\pm$ 0.738 χ^2 /NDF: 880.1/38

-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: -203.906+/-5.253 χ^2/NDF : 0.0/0

Right Out: 211.907+/-1.920 χ^2/NDF : 1886.4/19

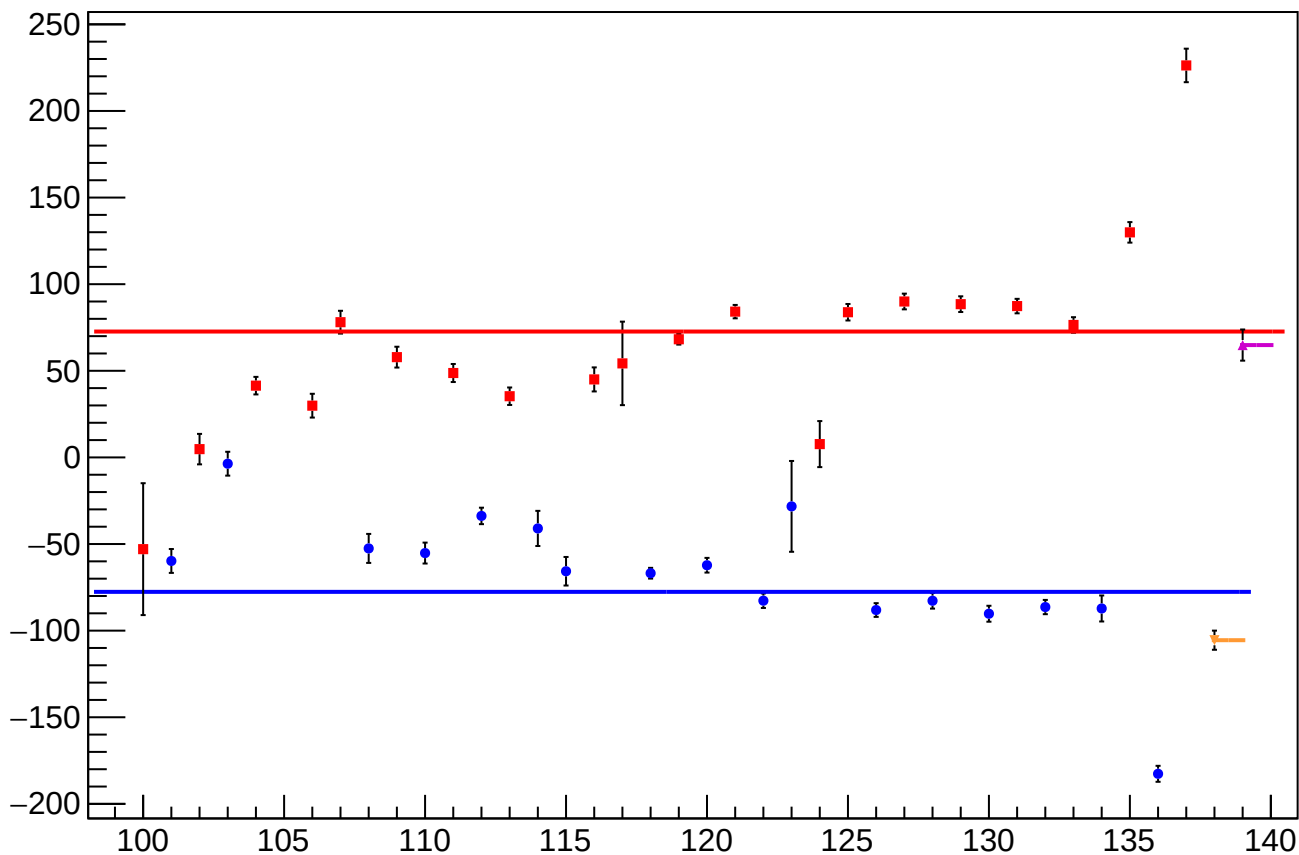
Left In: 272.159+/-5.667 χ^2/NDF : 0.0/0

-216.925+/-1.887 χ^2/NDF : 1153.6/17

8.656+/-1.310 χ^2/NDF : 30689.2/38

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: -105.517 $\pm$ 5.527 χ^2 /NDF: 0.0/0

Right Out: 72.664 $\pm$ 1.205 χ^2 /NDF: 672.0/19

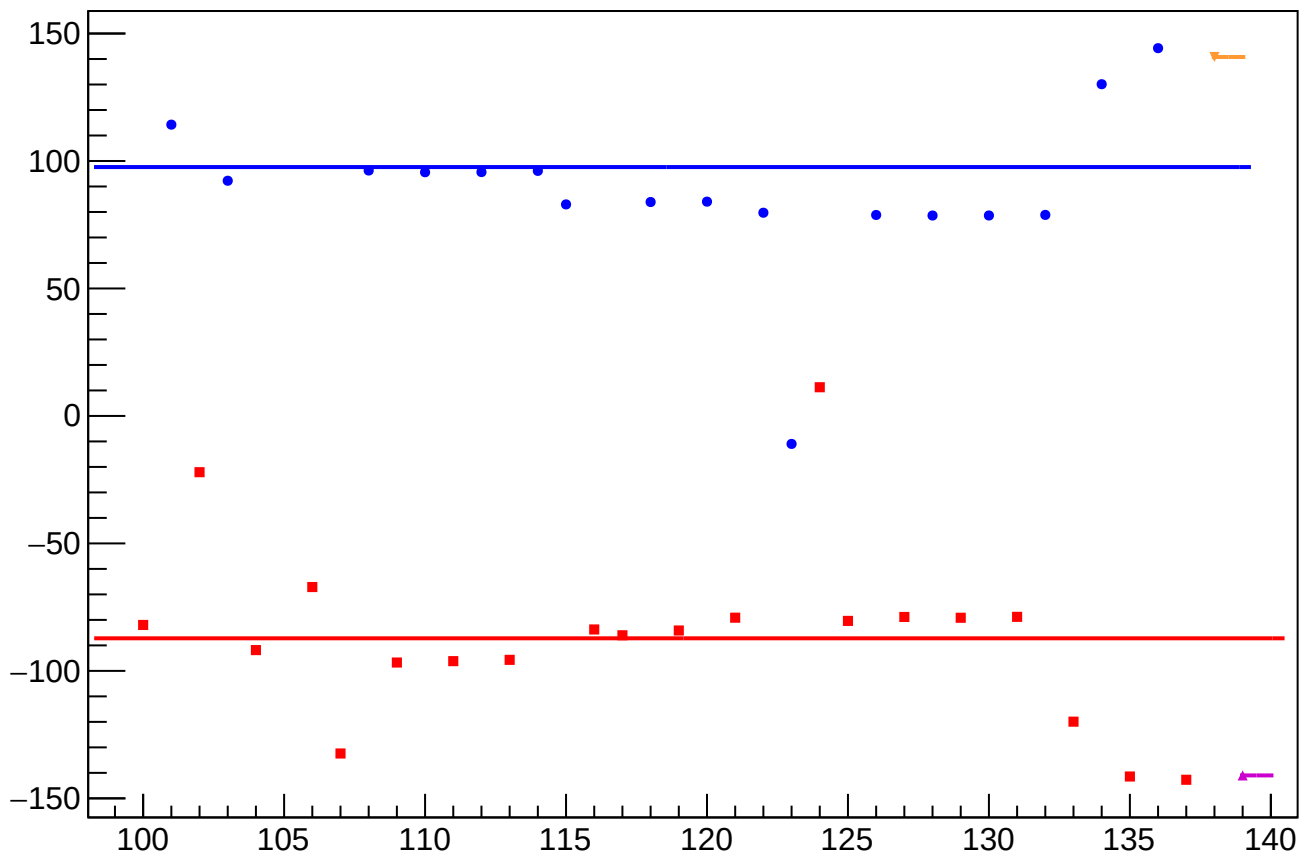
Left In: 64.848 $\pm$ 8.995 χ^2 /NDF: 0.0/0

-78.942 $\pm$ 1.207 χ^2 /NDF: 840.2/17

-2.409 $\pm$ 0.849 χ^2 /NDF: 9474.4/38

72.526 $\pm$ 1.194 χ^2 /NDF: 672.8/20

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620+/-0.074 χ^2/NDF : 94045.2/16

Left Out: 140.788+/-0.208 χ^2/NDF : 0.0/0

Right Out: -87.224+/-0.068 χ^2/NDF : 220851.2/19

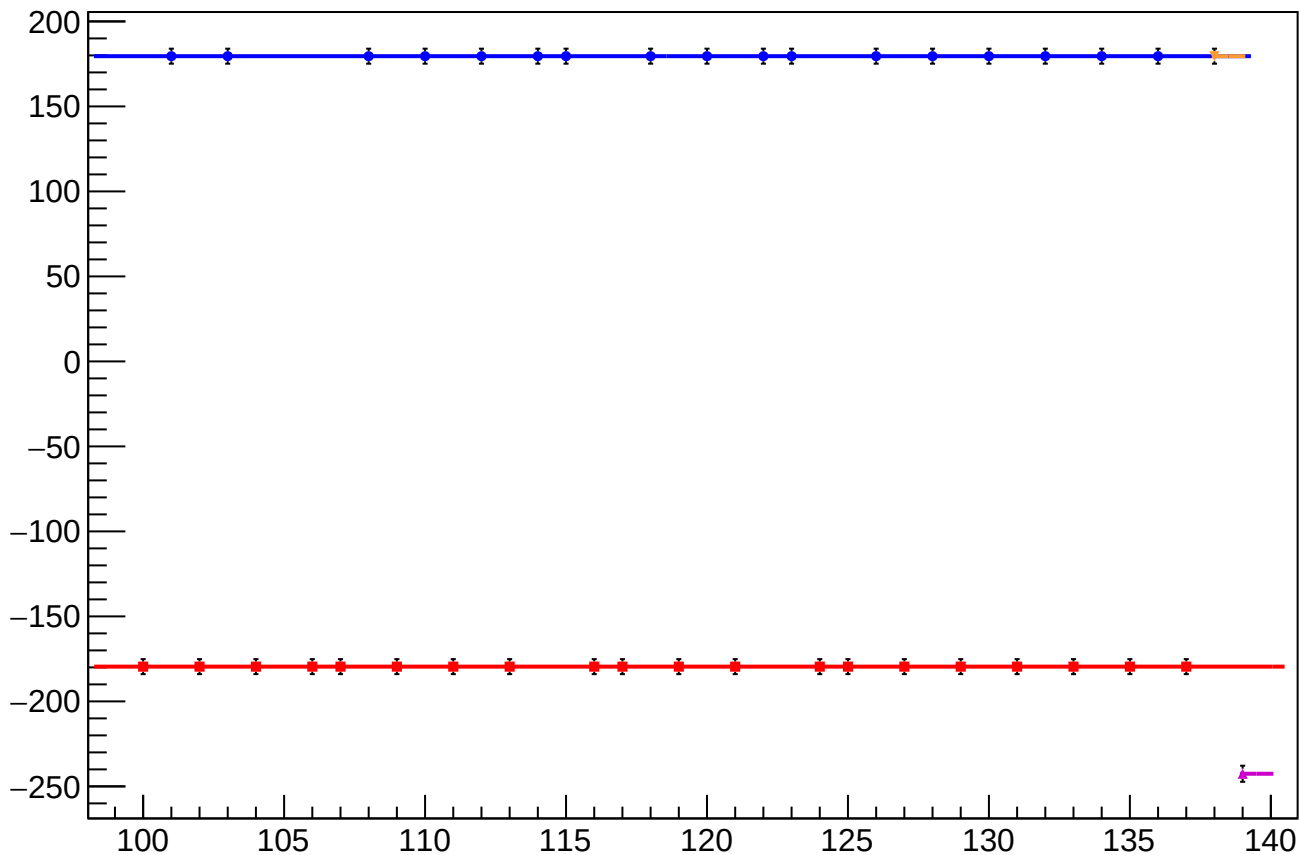
Left In: -141.001+/-0.199 χ^2/NDF : 0.0/0

102.418+/-0.069 χ^2/NDF : 132168.7/17

-2.502+/-0.047 χ^2/NDF : 4661637.7/38

-92.889+/-0.065 χ^2/NDF : 286370.5/20

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: 179.552 $\pm$ 4.416 χ^2/NDF : 0.0/0

Right Out: -179.552 $\pm$ 0.988 χ^2/NDF : 0.0/19

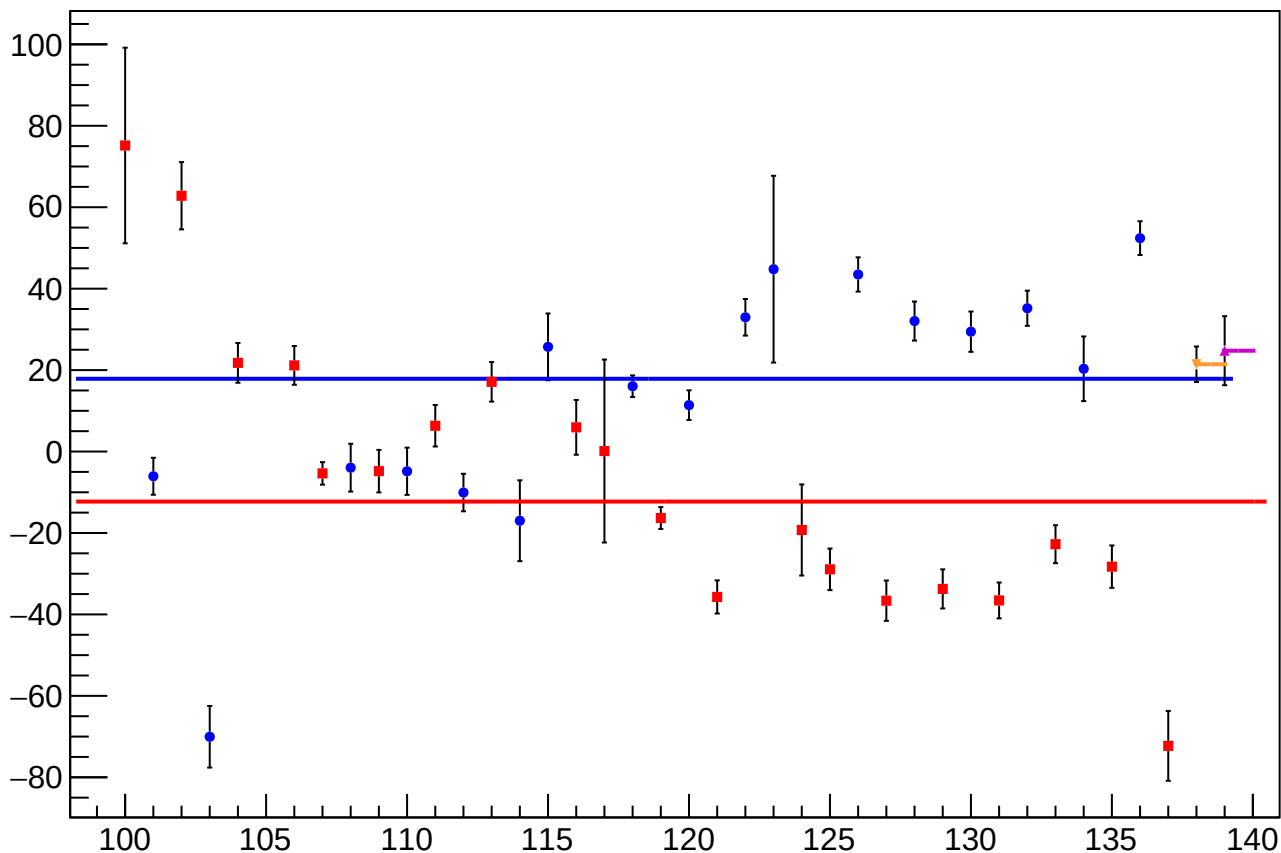
Left In: -242.571 $\pm$ 4.732 χ^2/NDF : 0.0/0

179.552 $\pm$ 1.041 χ^2/NDF : 0.0/17

-14.673 $\pm$ 0.708 χ^2/NDF : 65010.5/38

-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+/-1.166 χ^2/NDF : 395.3/16

Left Out: 21.439+/-4.354 χ^2/NDF : 0.0/0

Right Out: -12.288+/-1.082 χ^2/NDF : 444.4/19

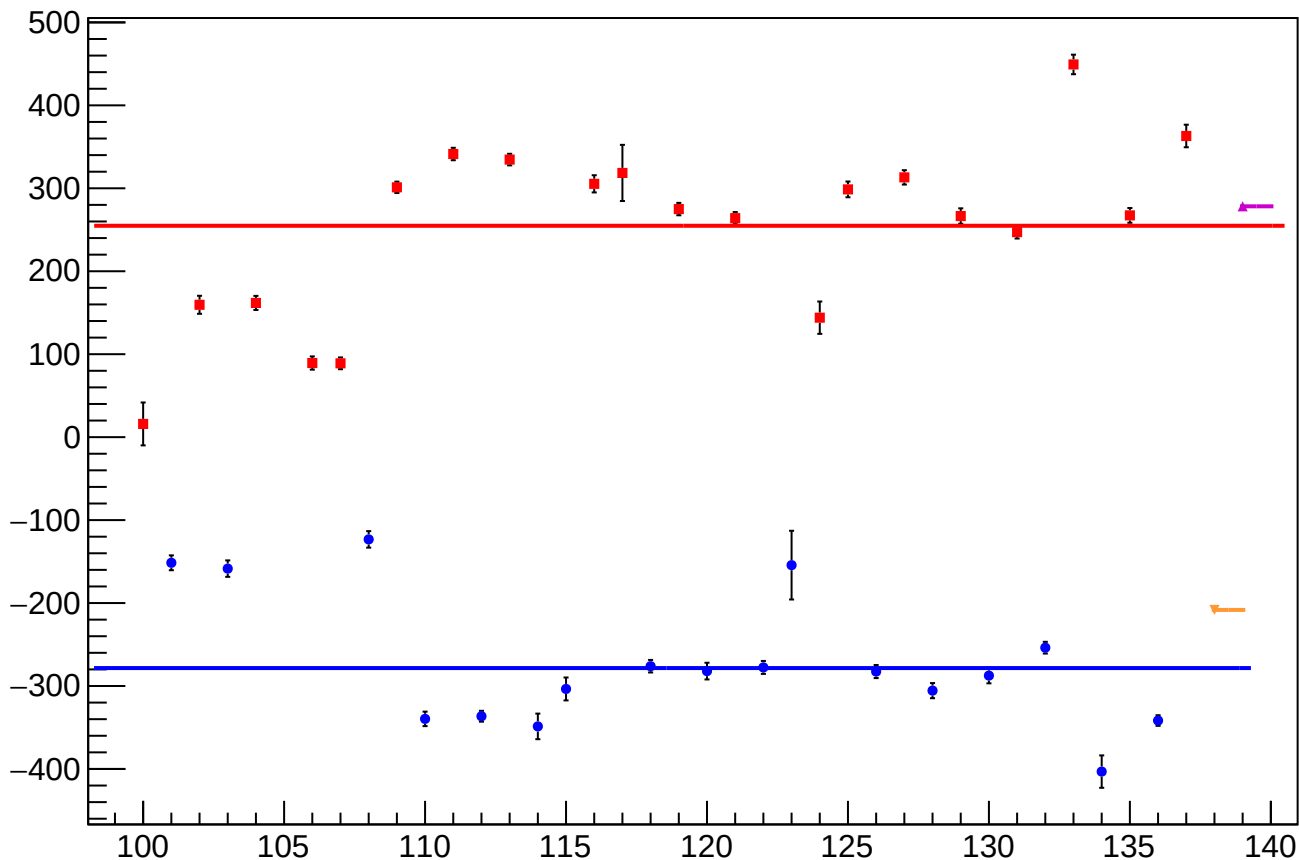
Left In: 24.761+/-8.475 χ^2/NDF : 0.0/0

18.111+/-1.126 χ^2/NDF : 396.0/17

2.494+/-0.777 χ^2/NDF : 1226.2/38

-11.694+/-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 χ^2/NDF : 910.6/16

Left Out: -208.304 ± 4.787 χ^2/NDF : 0.0/0

Right Out: 254.830 ± 2.016 χ^2/NDF : 2041.0/19

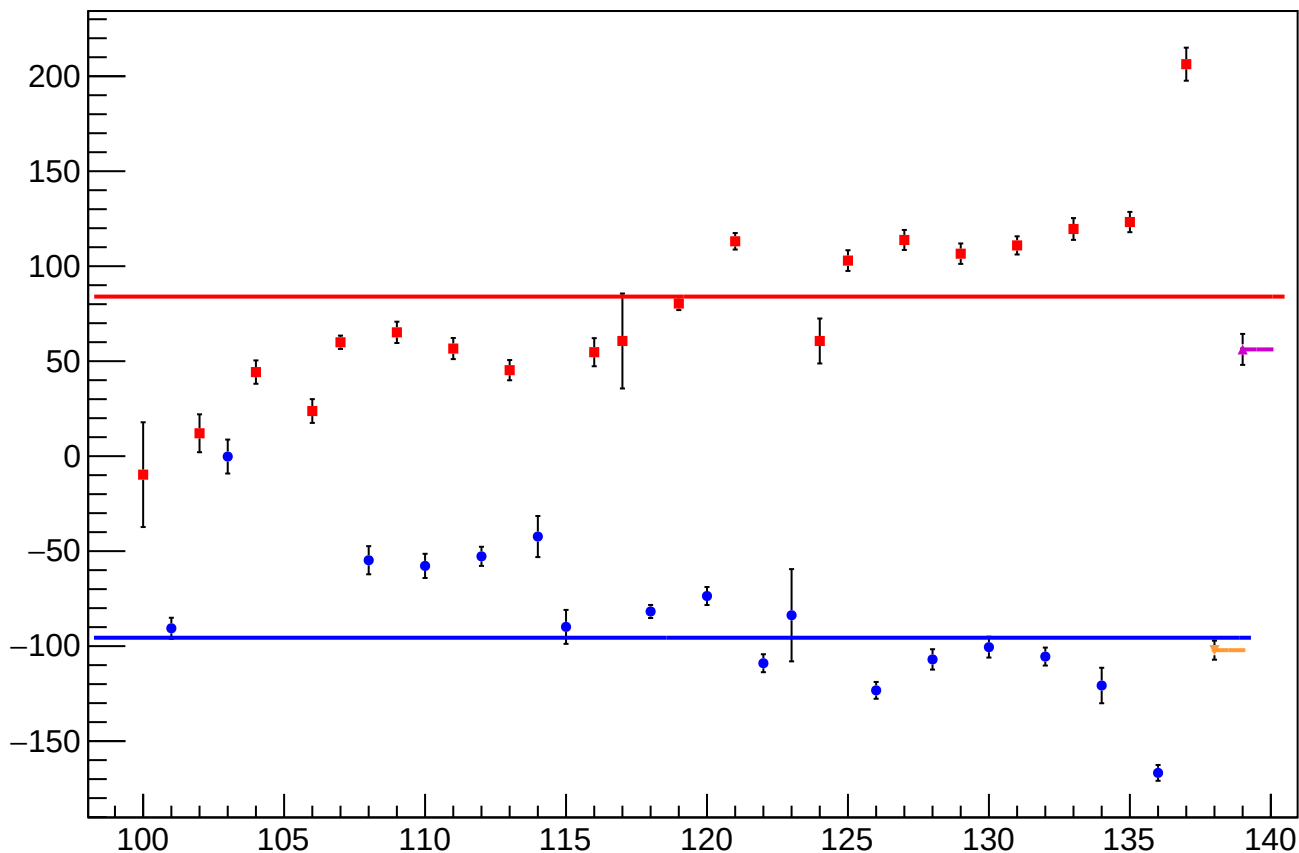
Left In: 278.271 ± 5.128 χ^2/NDF : 0.0/0

-266.301 ± 1.988 χ^2/NDF : 1087.9/17

10.914 ± 1.364 χ^2/NDF : 39934.7/38

257.969 ± 1.876 χ^2/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: -102.130 ± 5.012 χ^2/NDF : 0.0/0

Right Out: 84.003 ± 1.255 χ^2/NDF : 784.1/19

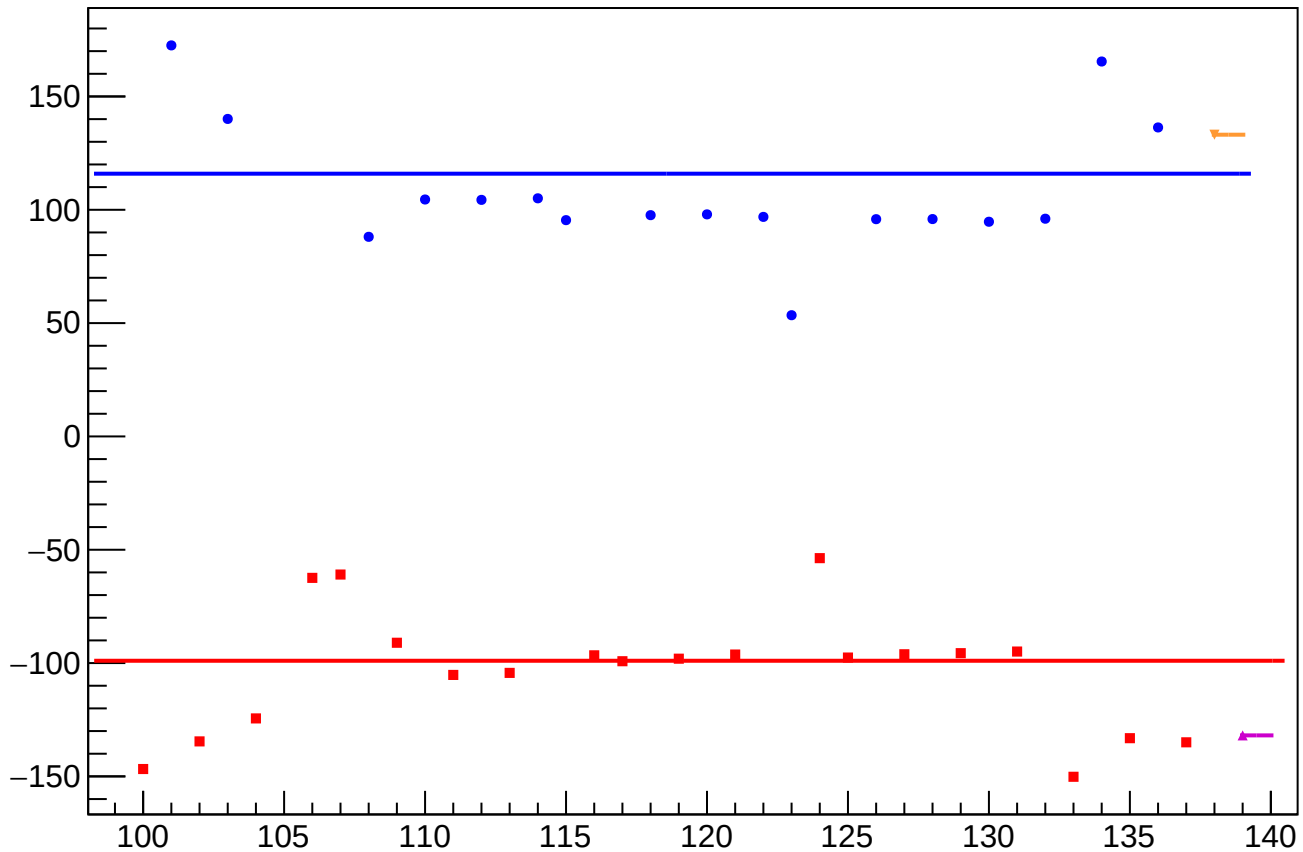
Left In: 56.198 ± 8.154 χ^2/NDF : 0.0/0

-96.014 ± 1.295 χ^2/NDF : 672.8/17

-2.481 ± 0.896 χ^2/NDF : 11473.2/38

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 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 133.130 $\pm$ 0.190 χ^2 /NDF: 0.0/0

Right Out: -98.982 $\pm$ 0.068 χ^2 /NDF: 172974.2/19

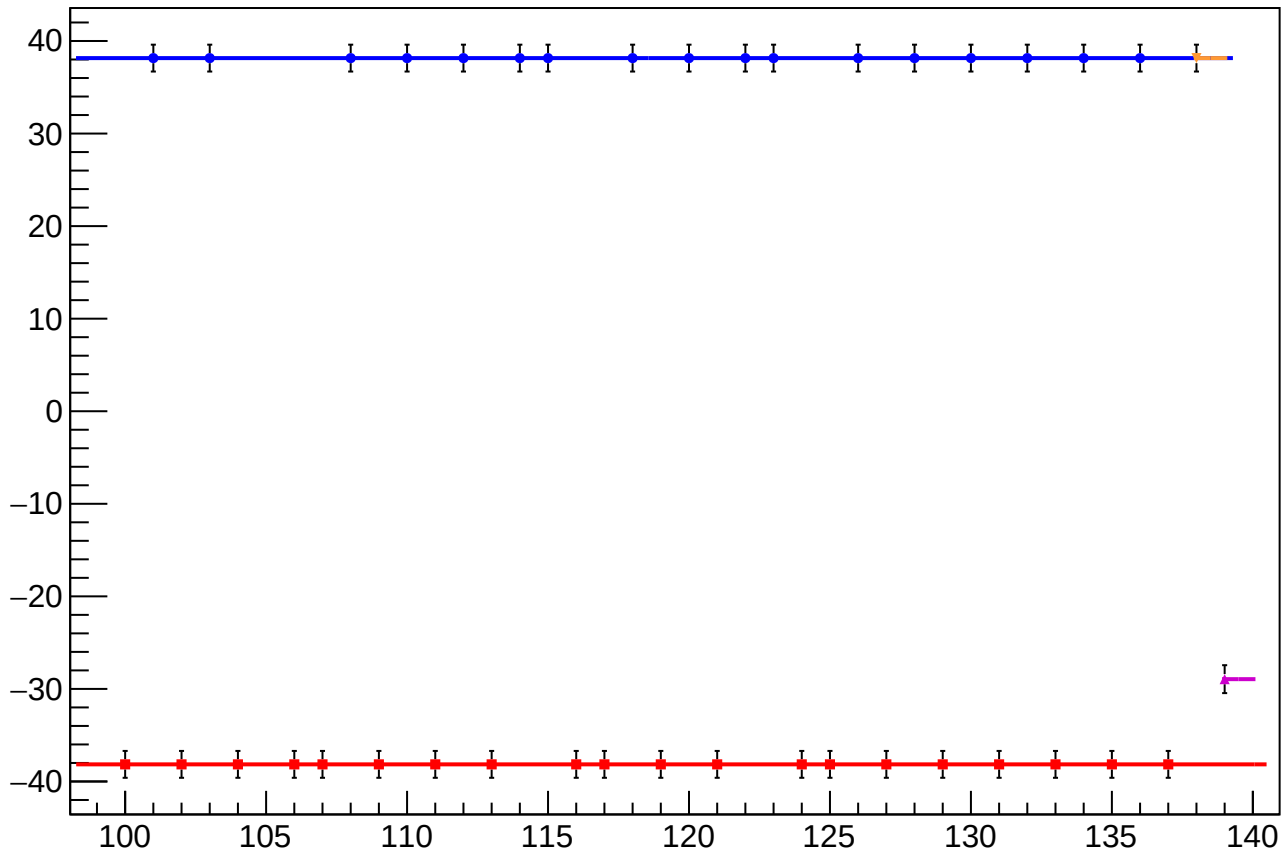
Left In: -131.909 $\pm$ 0.180 χ^2 /NDF: 0.0/0

118.425 $\pm$ 0.073 χ^2 /NDF: 112779.4/17

-6.078 $\pm$ 0.048 χ^2 /NDF: 5562040.7/38

-103.136 $\pm$ 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: 38.151+/-1.452 χ^2/NDF : 0.0/0

Right Out: -38.151+/-0.325 χ^2/NDF : 0.0/19

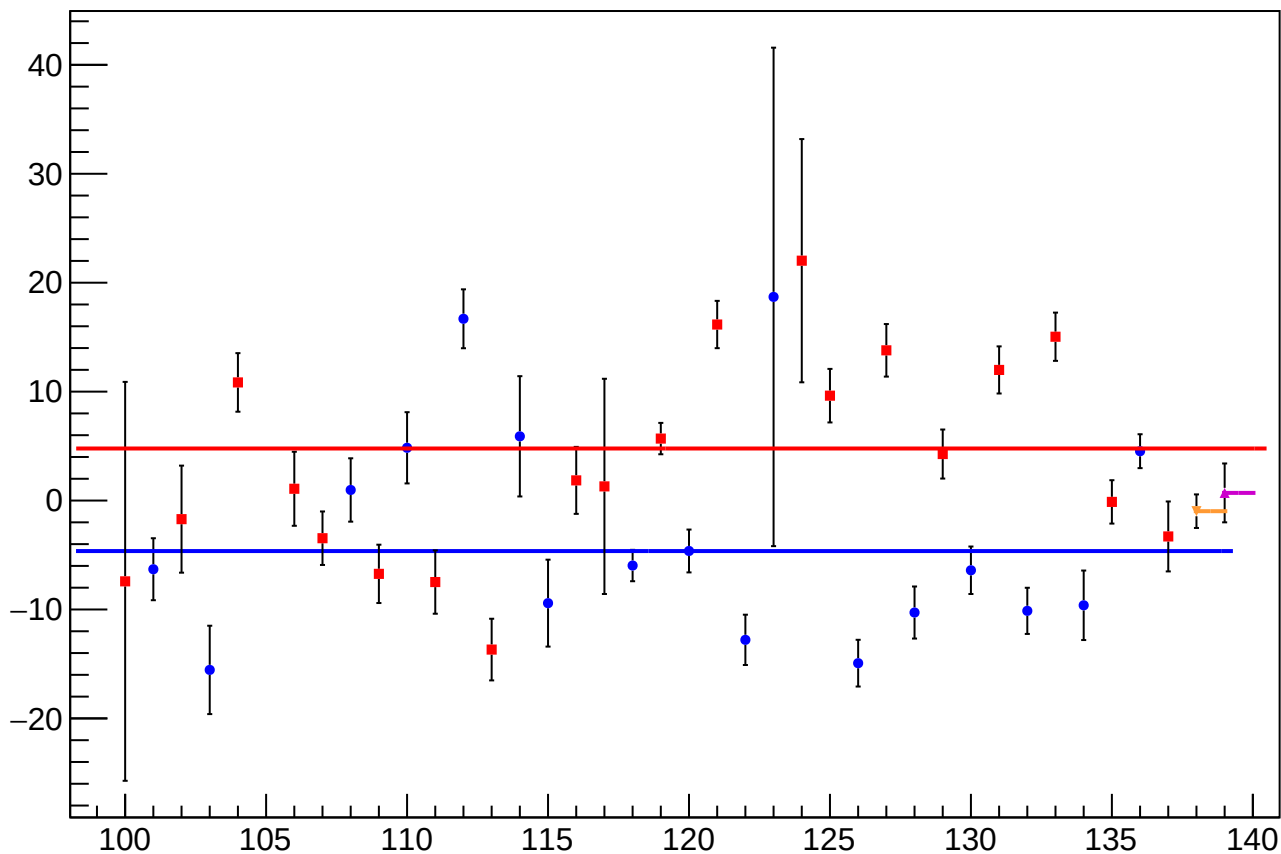
Left In: -28.945+/-1.508 χ^2/NDF : 0.0/0

38.151+/-0.342 χ^2/NDF : 0.0/17

-2.649+/-0.233 χ^2/NDF : 26488.3/38

-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: -0.976 ± 1.541 χ^2/NDF : 0.0/0

Right Out: 4.779 ± 0.583 χ^2/NDF : 192.7/19

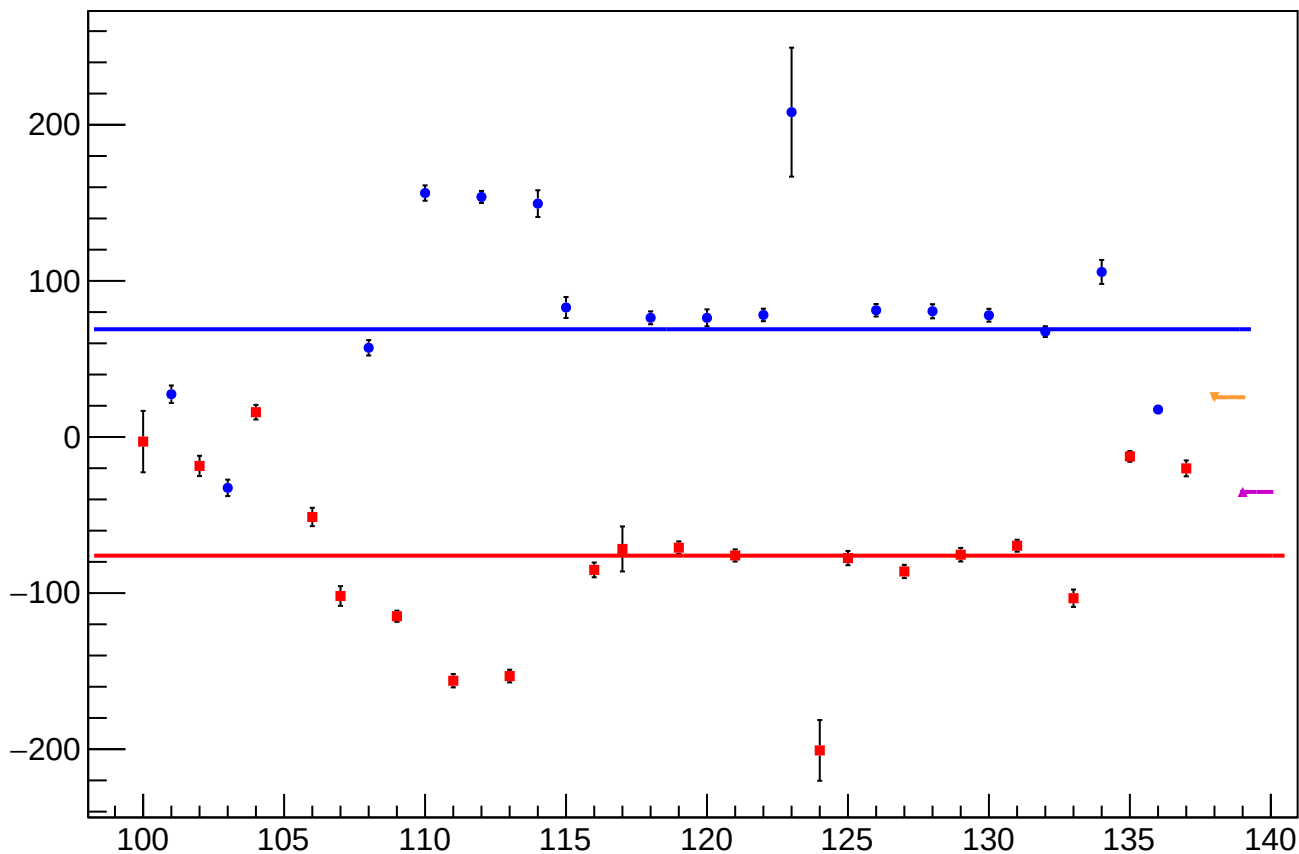
Left In: 0.702 ± 2.702 χ^2/NDF : 0.0/0

-4.172 ± 0.549 χ^2/NDF : 179.4/17

0.046 ± 0.396 χ^2/NDF : 496.9/38

4.597 ± 0.570 χ^2/NDF : 194.8/20

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 25.458+/-1.575 χ^2/NDF : 0.0/0

Right Out: -76.017+/-1.067 χ^2/NDF : 1882.0/19

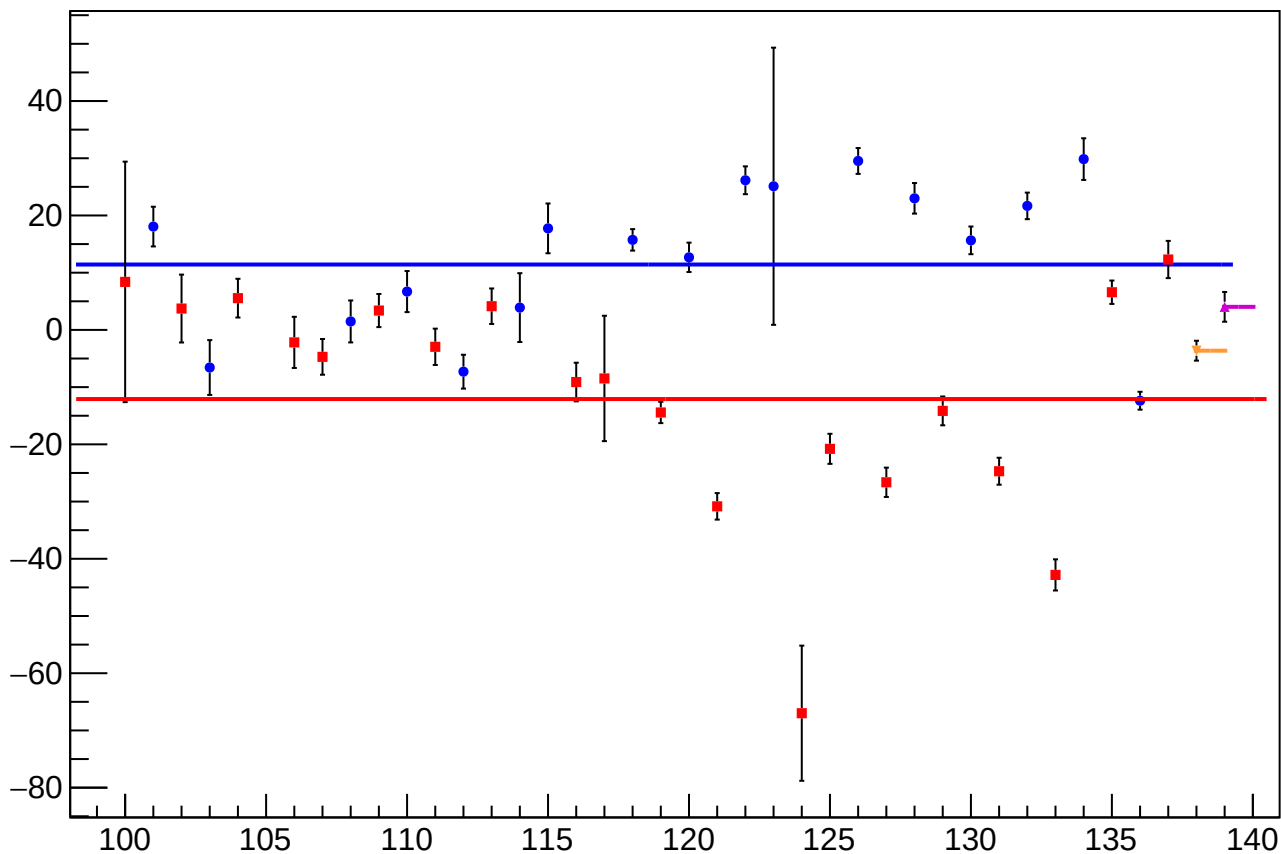
Left In: -35.190+/-1.634 χ^2/NDF : 0.0/0

55.021+/-0.893 χ^2/NDF : 2367.5/17

-4.342+/-0.631 χ^2/NDF : 13542.4/38

-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: -3.632+/-1.738 χ^2/NDF : 0.0/0

Right Out: -12.082+/-0.663 χ^2/NDF : 539.2/19

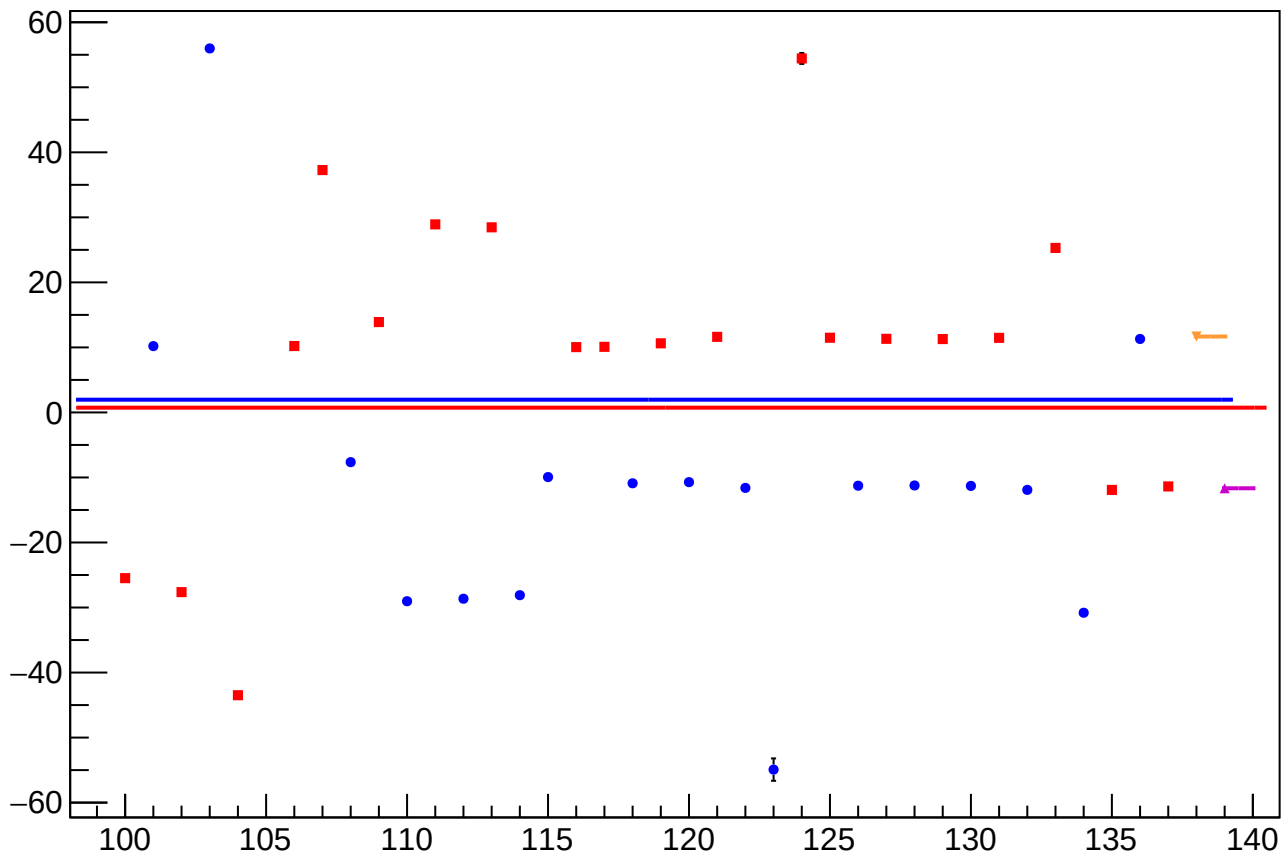
Left In: 4.030+/-2.600 χ^2/NDF : 0.0/0

9.503+/-0.621 χ^2/NDF : 542.2/17

-0.460+/-0.447 χ^2/NDF : 1649.0/38

-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 $\pm$ 0.037 χ^2 /NDF: 358457.0/16

Left Out: 11.673 $\pm$ 0.061 χ^2 /NDF: 0.0/0

Right Out: 0.733 $\pm$ 0.037 χ^2 /NDF: 361368.4/19

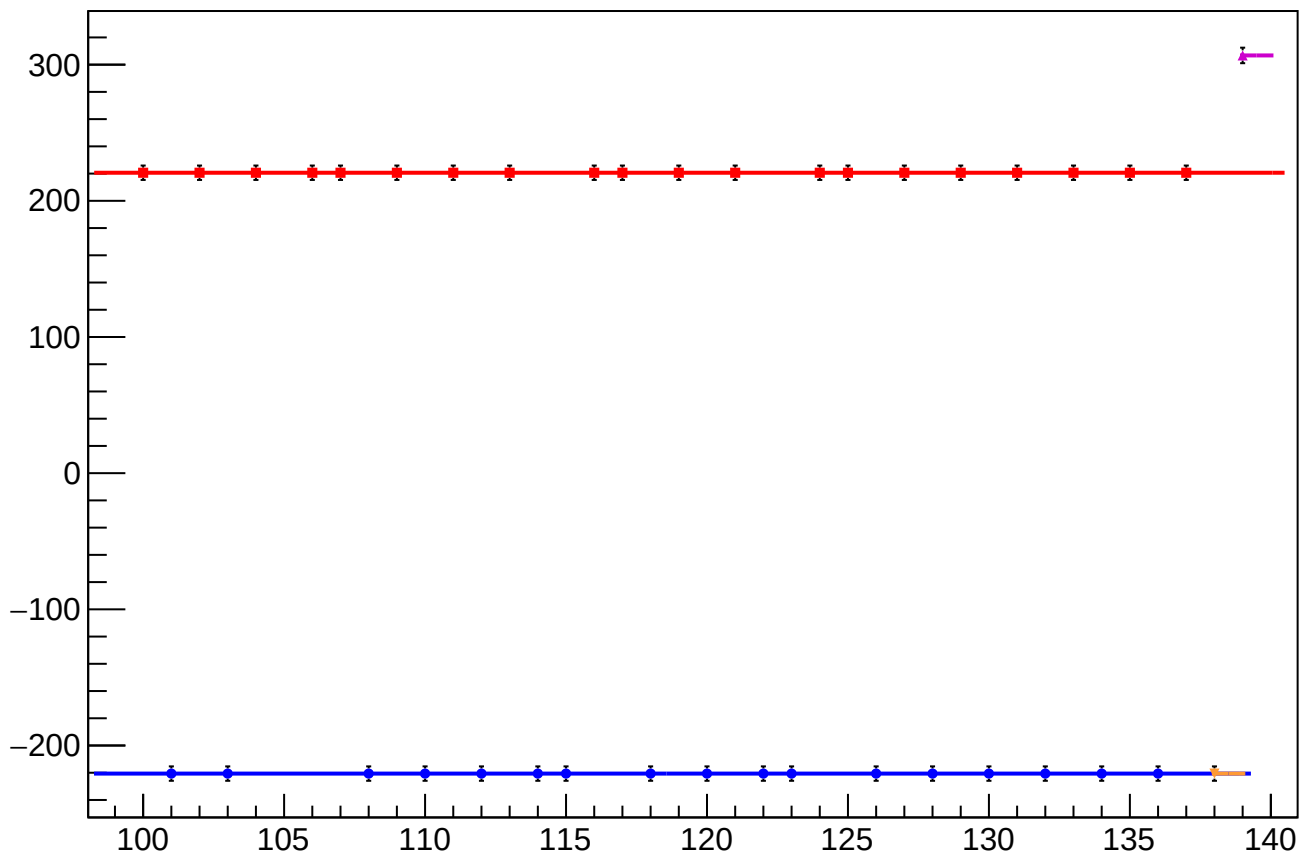
Left In: -11.661 $\pm$ 0.057 χ^2 /NDF: 0.0/0

4.569 $\pm$ 0.032 χ^2 /NDF: 376822.7/17

0.753 $\pm$ 0.022 χ^2 /NDF: 799369.4/38

-2.912 $\pm$ 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+/-1.284 χ^2/NDF : 0.0/16

Left Out: -220.625+/-5.294 χ^2/NDF : 0.0/0

Right Out: 220.625+/-1.184 χ^2/NDF : 0.0/19

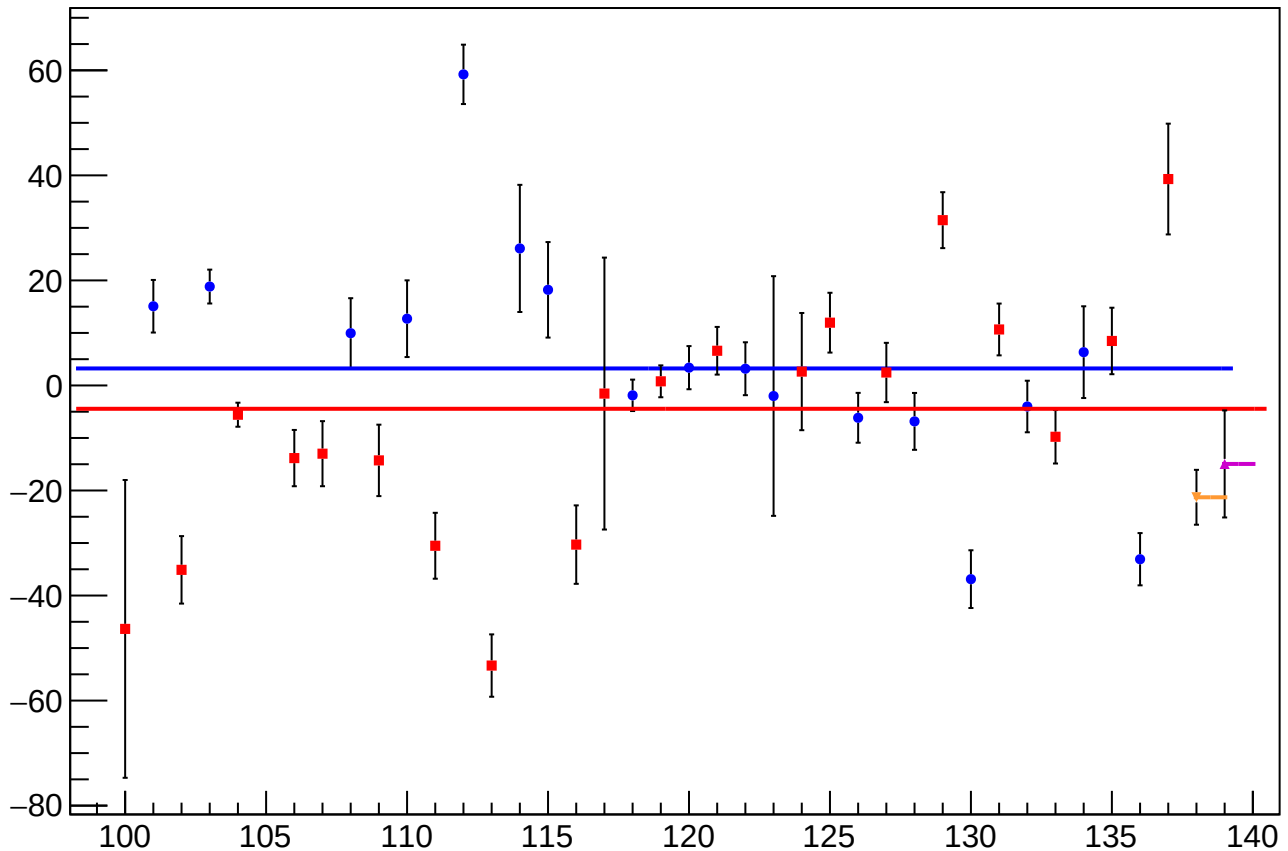
Left In: 306.776+/-5.700 χ^2/NDF : 0.0/0

-220.625+/-1.248 χ^2/NDF : 0.0/17

18.163+/-0.849 χ^2/NDF : 68439.5/38

224.187+/-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 ± 1.244 χ^2/NDF : 255.3/16

Left Out: -21.292 ± 5.225 χ^2/NDF : 0.0/0

Right Out: -4.444 ± 1.156 χ^2/NDF : 225.8/19

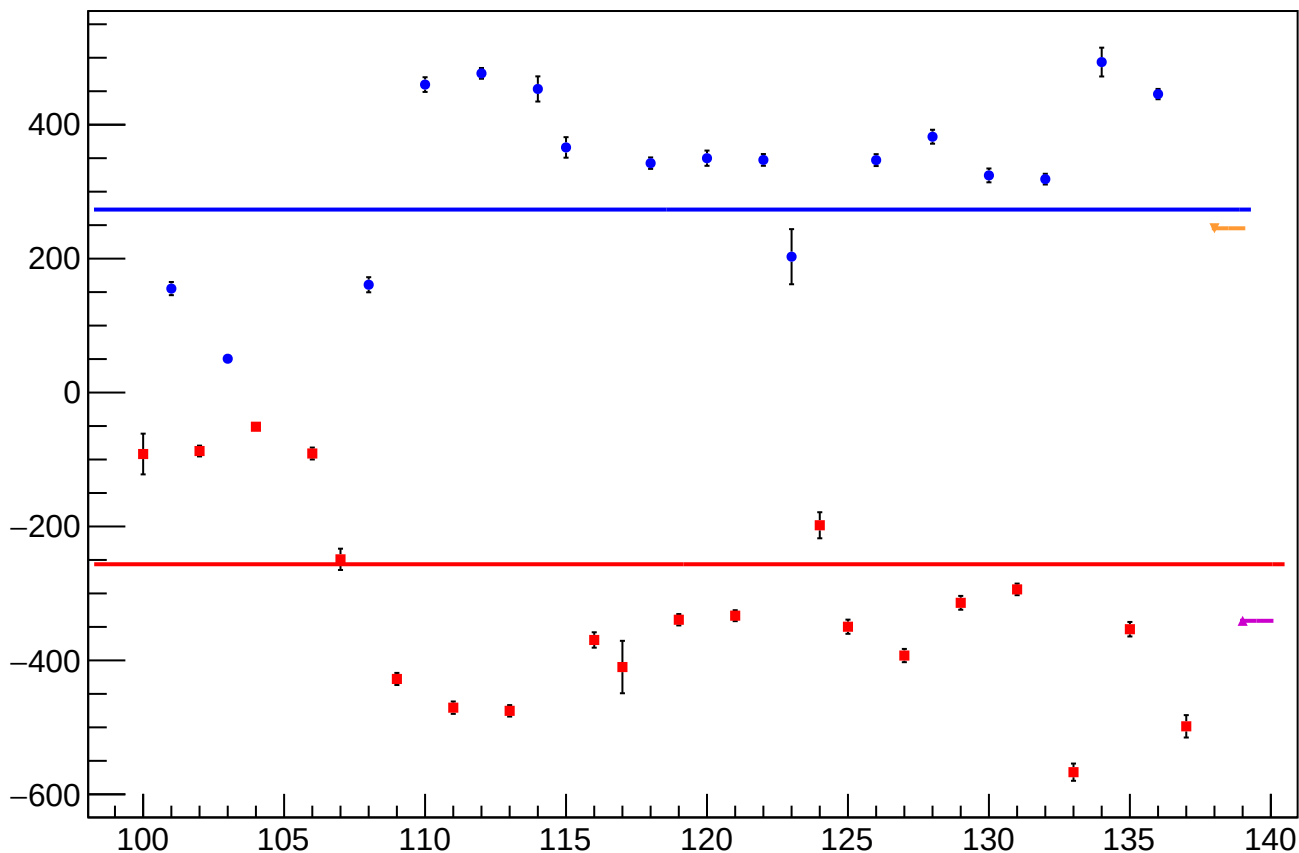
Left In: -14.946 ± 10.190 χ^2/NDF : 0.0/0

1.922 ± 1.210 χ^2/NDF : 276.1/17

-1.497 ± 0.833 χ^2/NDF : 518.1/38

-4.577 ± 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: 245.312 $\pm$ 5.739 χ^2 /NDF: 0.0/0

Right Out: -256.418 $\pm$ 2.077 χ^2 /NDF: 6453.9/19

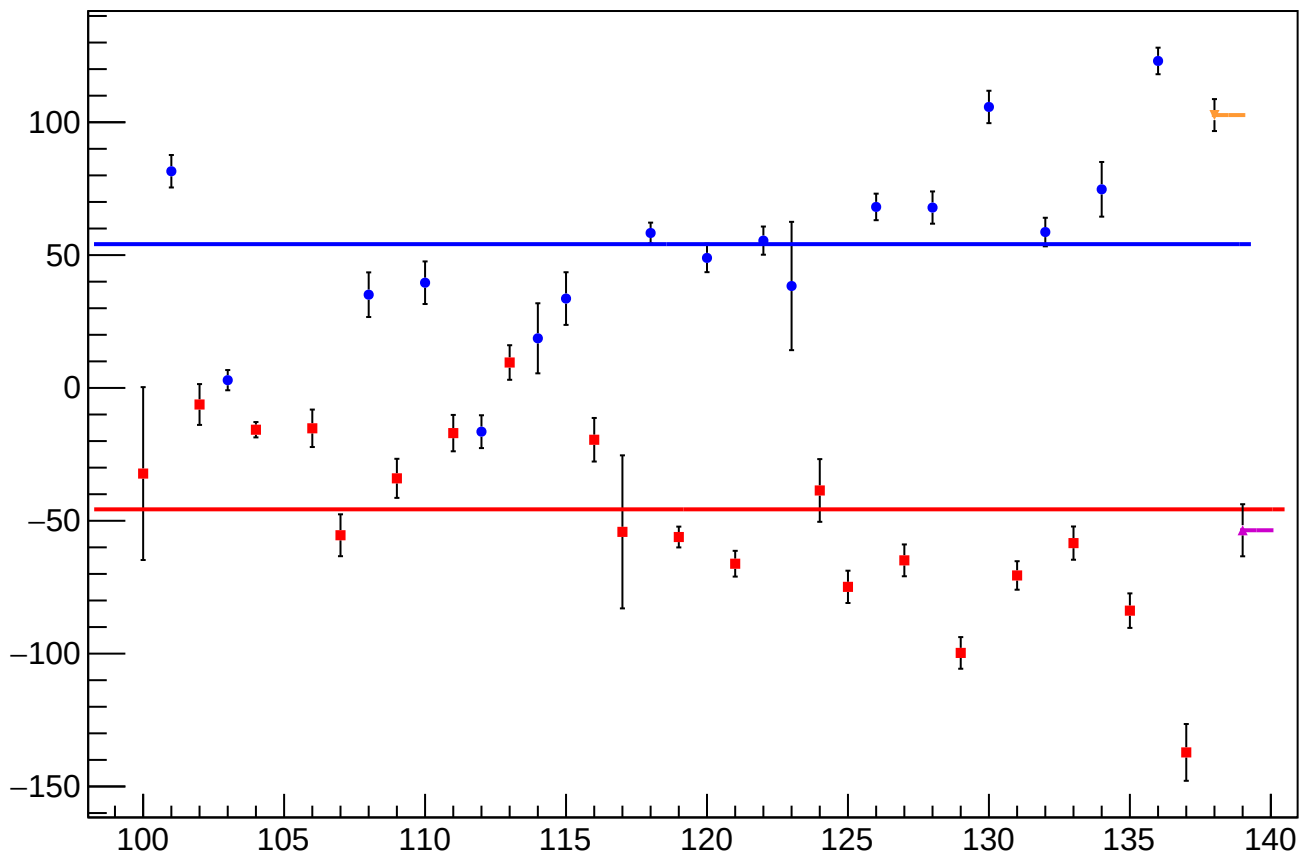
Left In: -340.876 $\pm$ 6.179 χ^2 /NDF: 0.0/0

269.680 $\pm$ 2.058 χ^2 /NDF: 5122.2/17

-9.523 $\pm$ 1.423 χ^2 /NDF: 46989.1/38

-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: 102.703+/-6.015 χ^2/NDF : 0.0/0

Right Out: -45.694+/-1.356 χ^2/NDF : 531.1/19

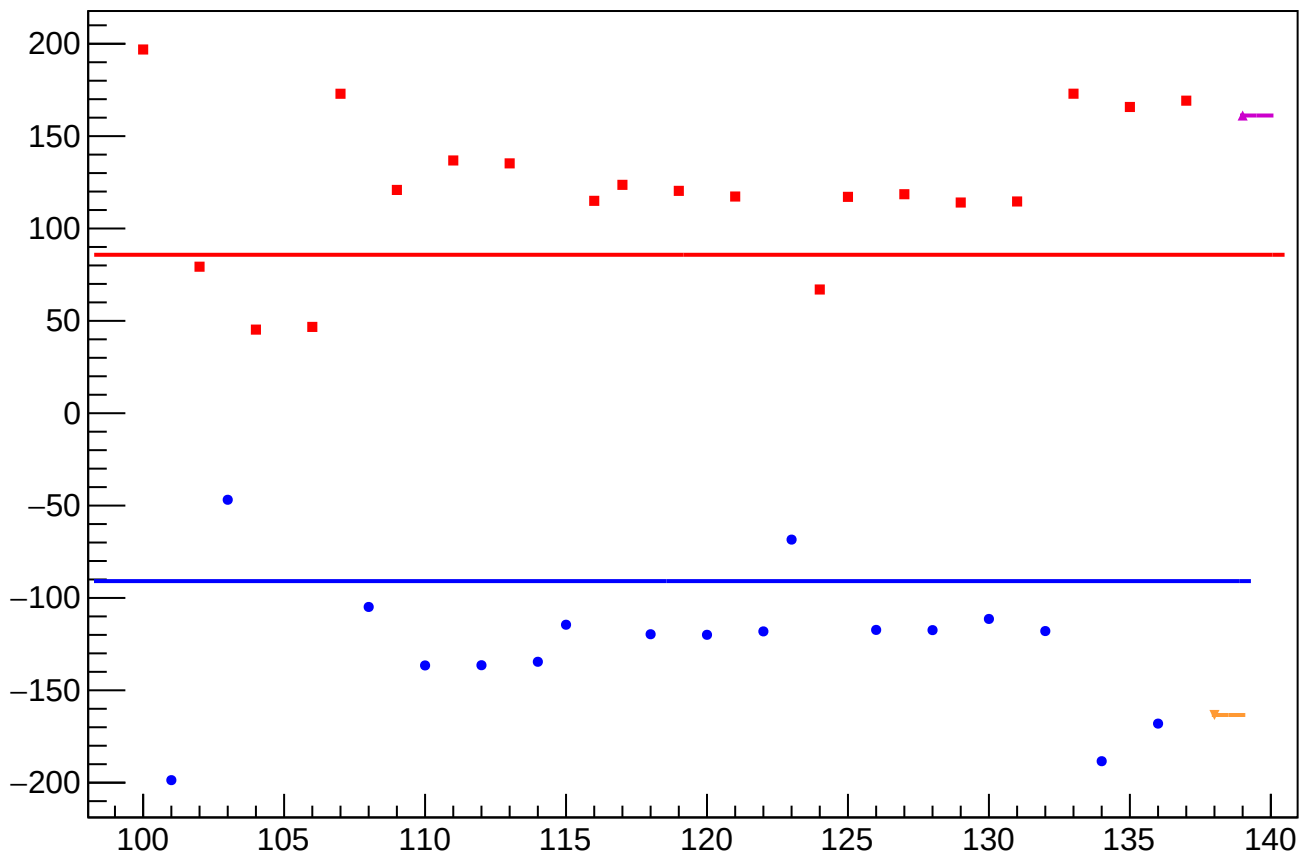
Left In: -53.568+/-9.802 χ^2/NDF : 0.0/0

56.745+/-1.398 χ^2/NDF : 695.6/17

3.372+/-0.969 χ^2/NDF : 4027.3/38

-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: -163.364 ± 0.228 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 85.772 ± 0.065 $\chi^2/\text{NDF}: 494629.5/19$

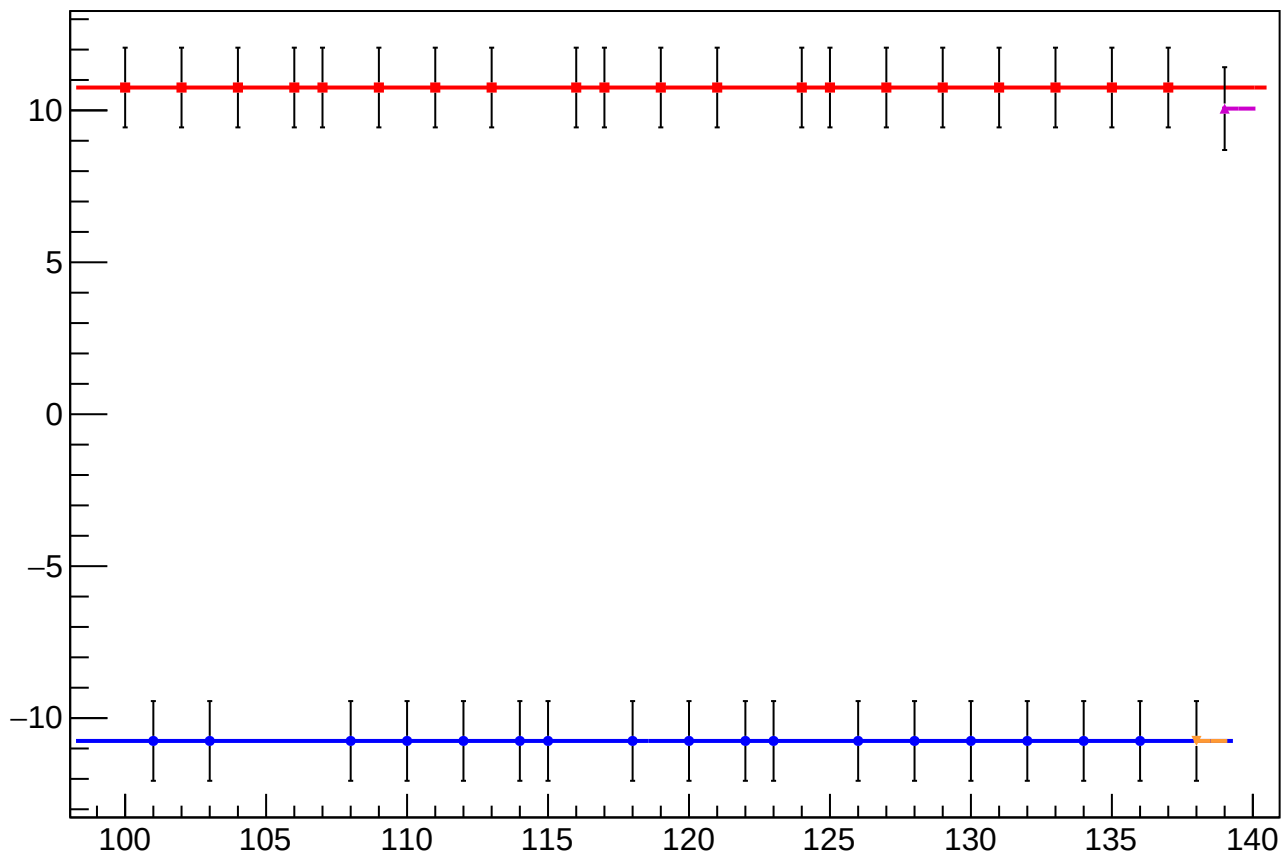
Left In: 161.168 ± 0.217 $\chi^2/\text{NDF}: 0.0/0$

-96.763 ± 0.065 $\chi^2/\text{NDF}: 626284.7/17$

1.584 ± 0.045 $\chi^2/\text{NDF}: 5633486.2/38$

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 $\pm$ 0.318 χ^2/NDF : 0.0/16

Left Out: -10.752 $\pm$ 1.312 χ^2/NDF : 0.0/0

Right Out: 10.752 $\pm$ 0.293 χ^2/NDF : 0.0/19

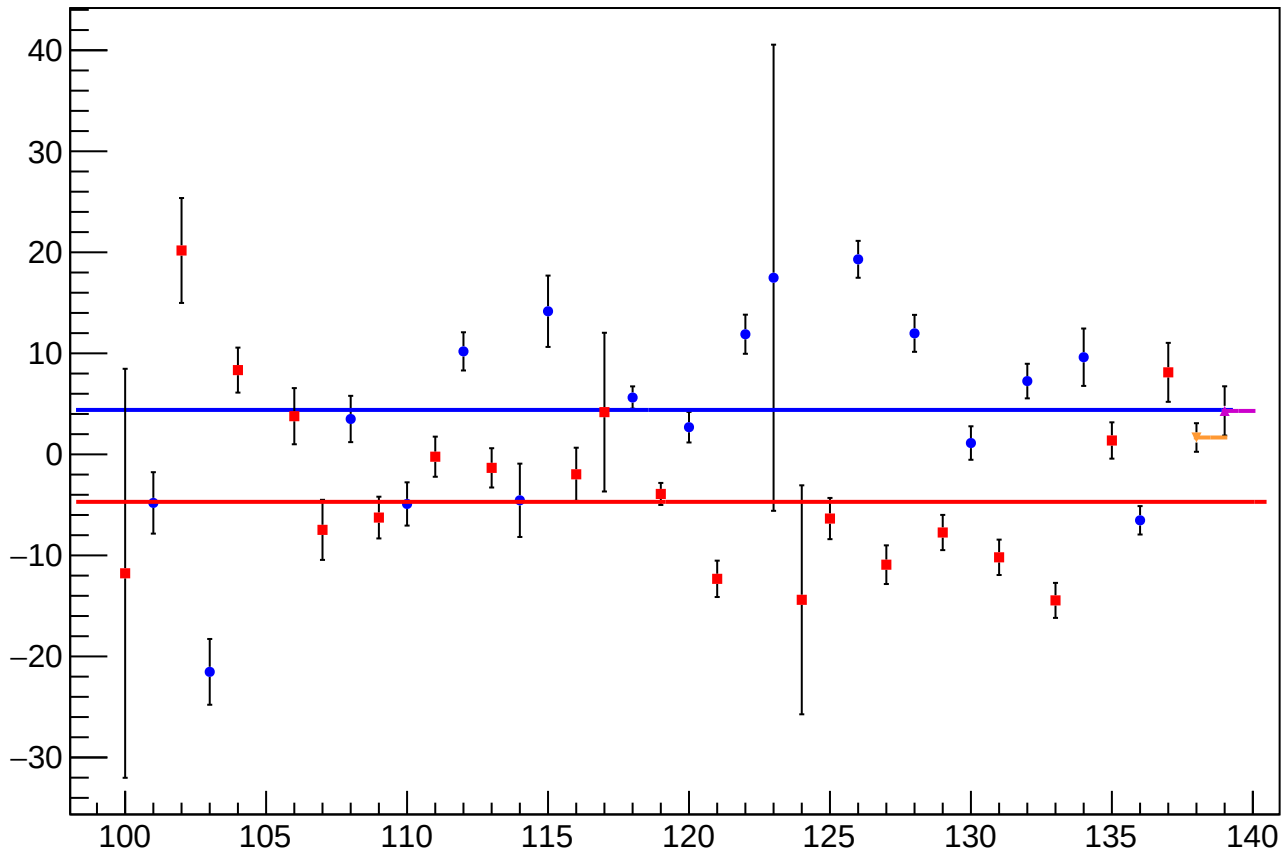
Left In: 10.058 $\pm$ 1.362 χ^2/NDF : 0.0/0

-10.752 $\pm$ 0.309 χ^2/NDF : 0.0/17

0.792 $\pm$ 0.210 χ^2/NDF : 2593.3/38

10.721 $\pm$ 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 $\pm$ 0.471 χ^2/NDF : 286.8/16

Left Out: 1.671 $\pm$ 1.415 χ^2/NDF : 0.0/0

Right Out: -4.700 $\pm$ 0.472 χ^2/NDF : 184.2/19

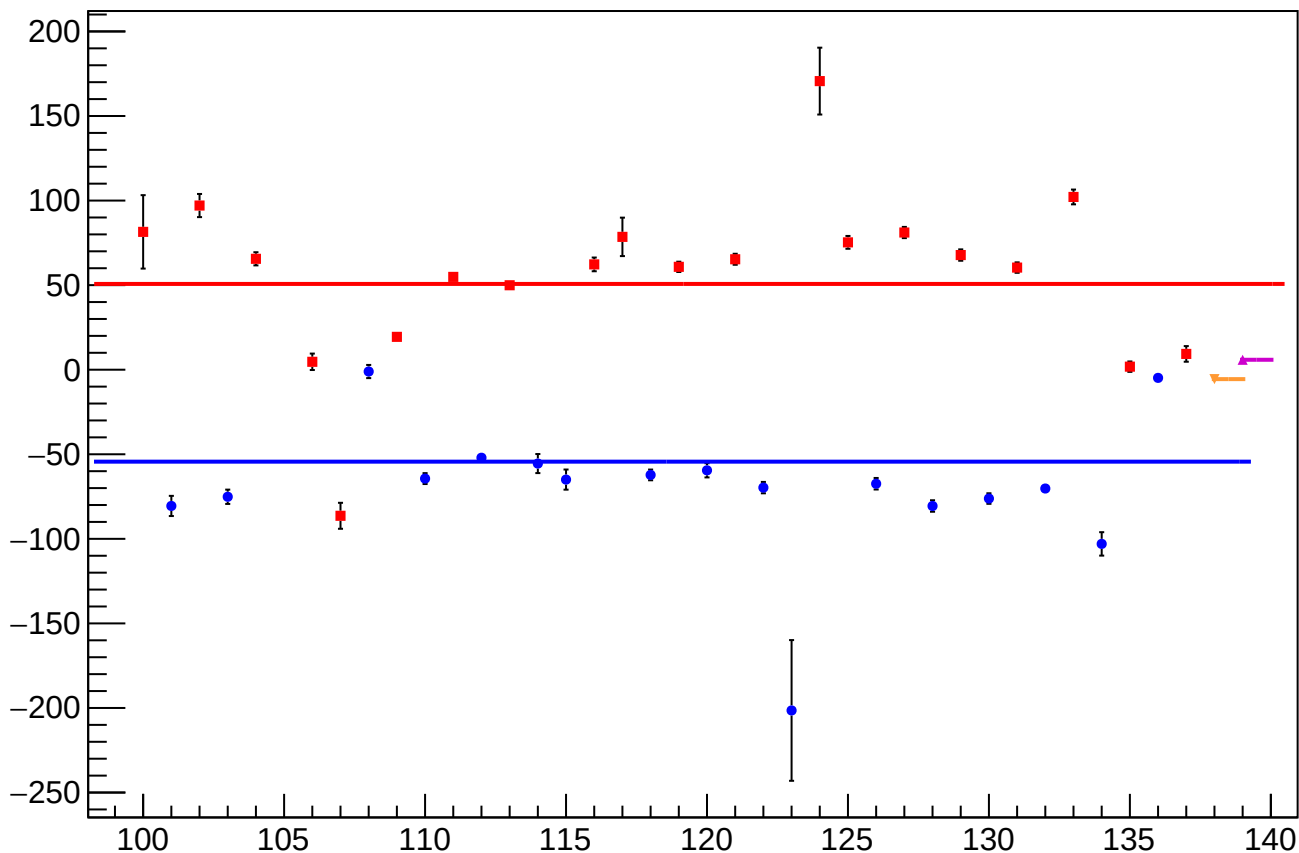
Left In: 4.300 $\pm$ 2.439 χ^2/NDF : 0.0/0

4.127 $\pm$ 0.447 χ^2/NDF : 290.2/17

0.032 $\pm$ 0.322 χ^2/NDF : 661.8/38

-4.374 $\pm$ 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 $\chi^2/\text{NDF}: 1013.5/16$

Left Out: -5.570 ± 1.423 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 50.712 ± 0.855 $\chi^2/\text{NDF}: 1327.3/19$

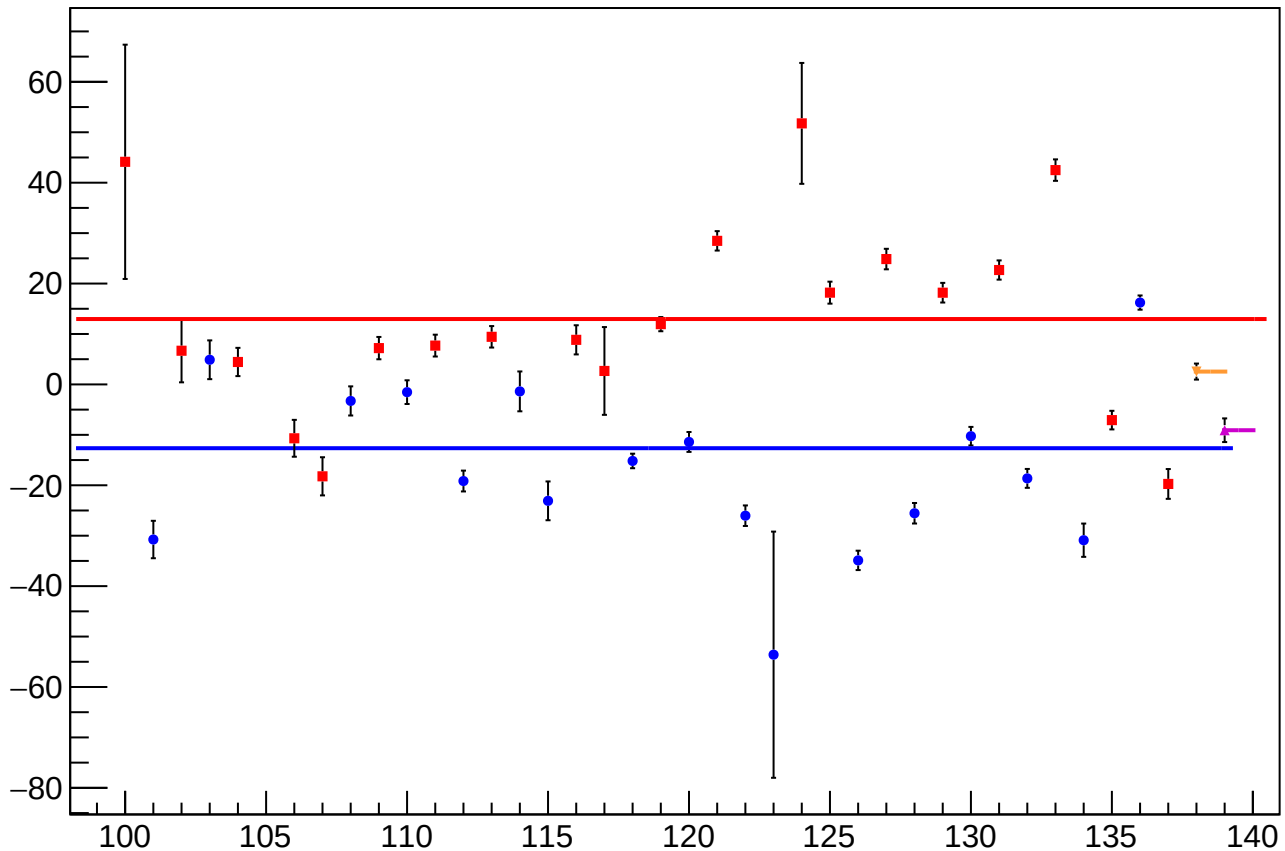
Left In: 5.873 ± 1.477 $\chi^2/\text{NDF}: 0.0/0$

-41.127 ± 0.741 $\chi^2/\text{NDF}: 1870.3/17$

-0.772 ± 0.524 $\chi^2/\text{NDF}: 9807.7/38$

39.451 ± 0.740 $\chi^2/\text{NDF}: 2017.9/20$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 2.545 ± 1.589 χ^2/NDF : 0.0/0

Right Out: 12.965 ± 0.536 χ^2/NDF : 722.8/19

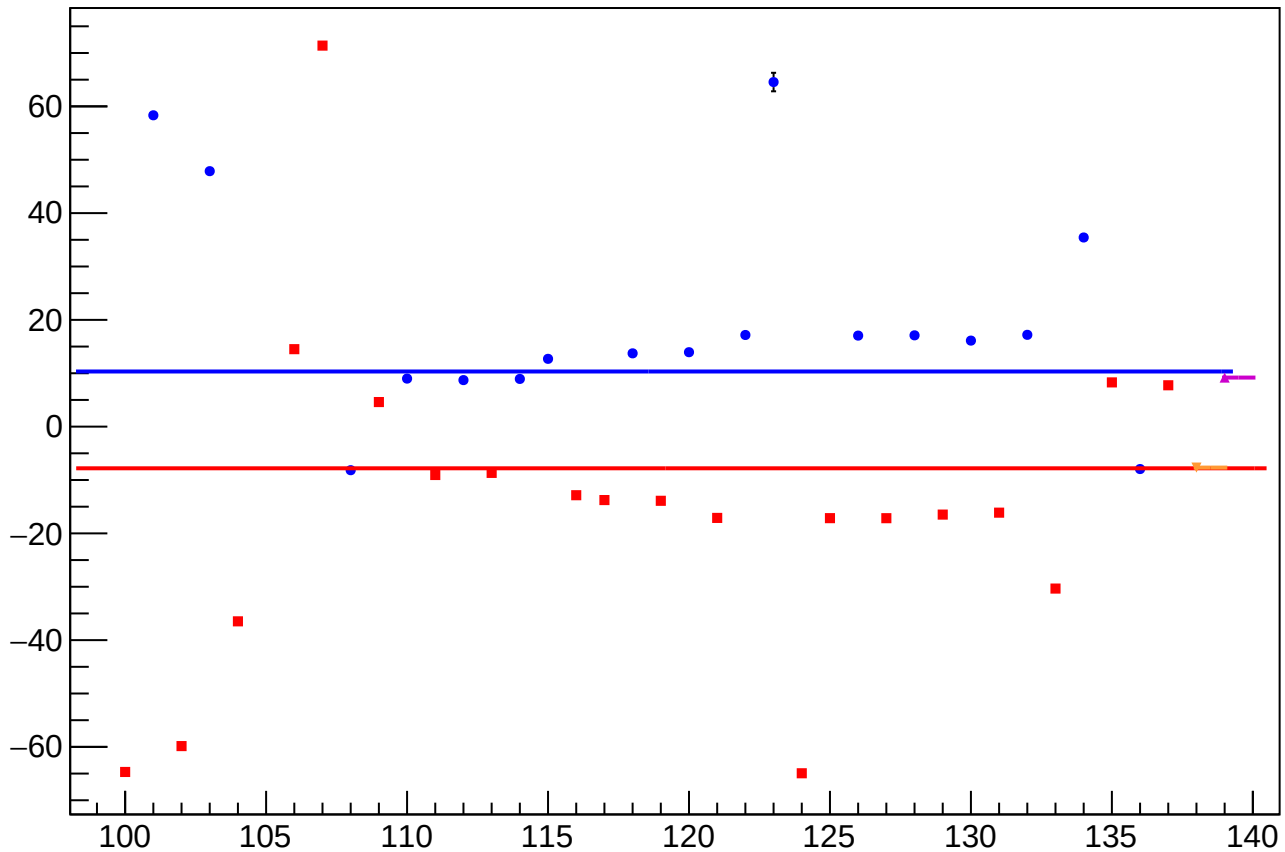
Left In: -9.084 ± 2.346 χ^2/NDF : 0.0/0

-11.094 ± 0.508 χ^2/NDF : 870.5/17

0.057 ± 0.364 χ^2/NDF : 2669.1/38

11.870 ± 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 χ^2/NDF : 380857.1/16

Left Out: -7.675+/-0.055 χ^2/NDF : 0.0/0

Right Out: -7.808+/-0.031 χ^2/NDF : 544249.7/19

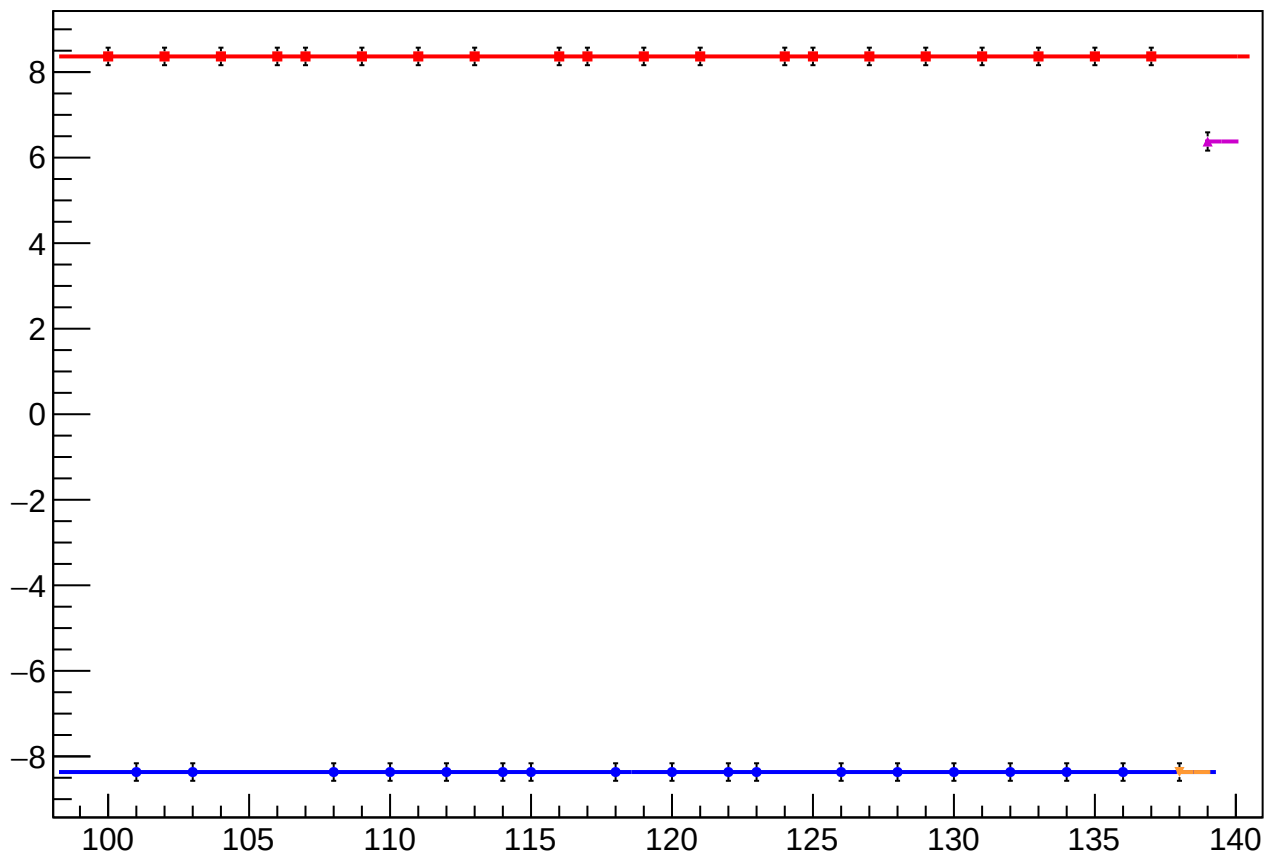
Left In: 9.189+/-0.052 χ^2/NDF : 0.0/0

6.084+/-0.027 χ^2/NDF : 462110.4/17

1.395+/-0.019 χ^2/NDF : 1146279.4/38

-3.275+/-0.027 χ^2/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: -8.366+/-0.205 χ^2/NDF : 0.0/0

Right Out: 8.366+/-0.046 χ^2/NDF : 0.0/19

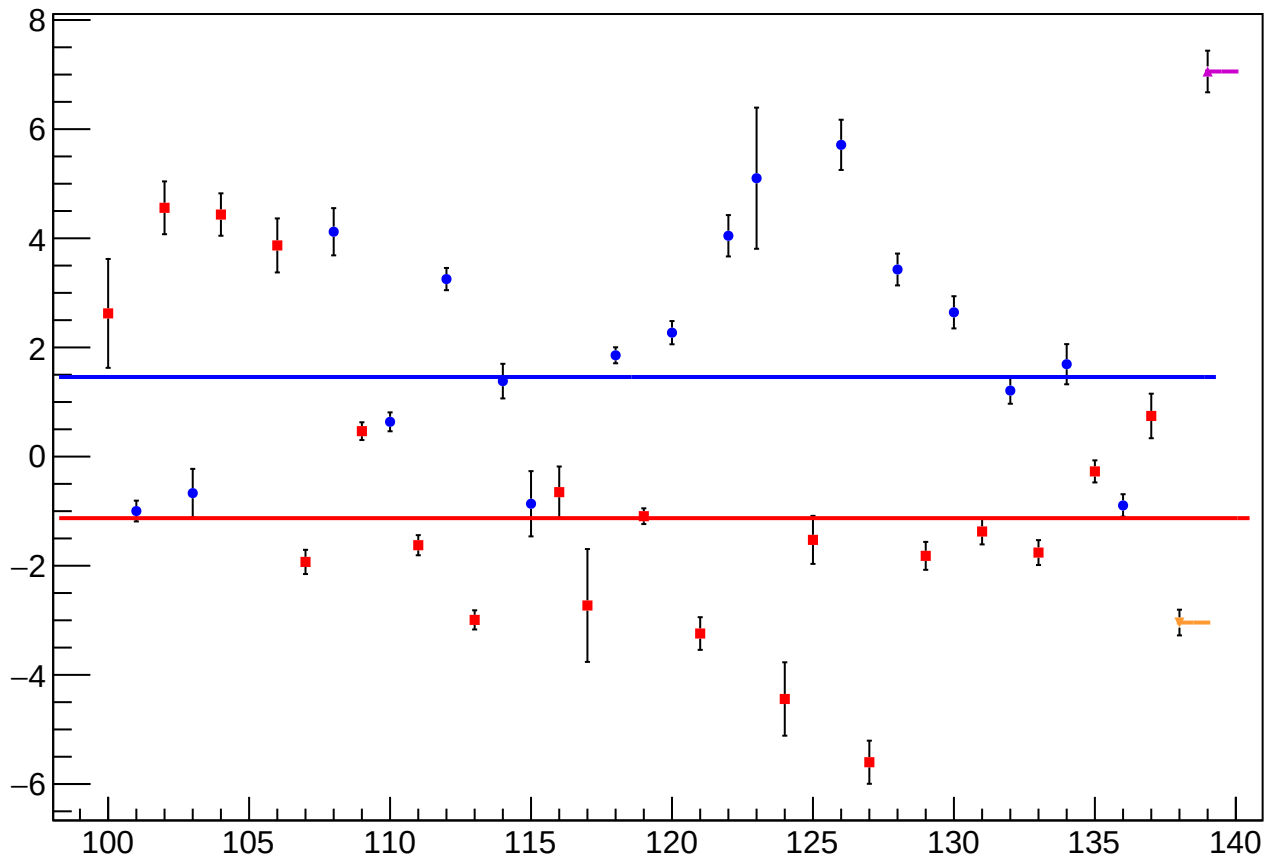
Left In: 6.378+/-0.214 χ^2/NDF : 0.0/0

-8.366+/-0.048 χ^2/NDF : 0.0/17

0.581+/-0.033 χ^2/NDF : 63959.5/38

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 ± 0.062 χ^2/NDF : 698.2/16

Left Out: -3.041 ± 0.235 χ^2/NDF : 0.0/0

Right Out: -1.128 ± 0.058 χ^2/NDF : 949.8/19

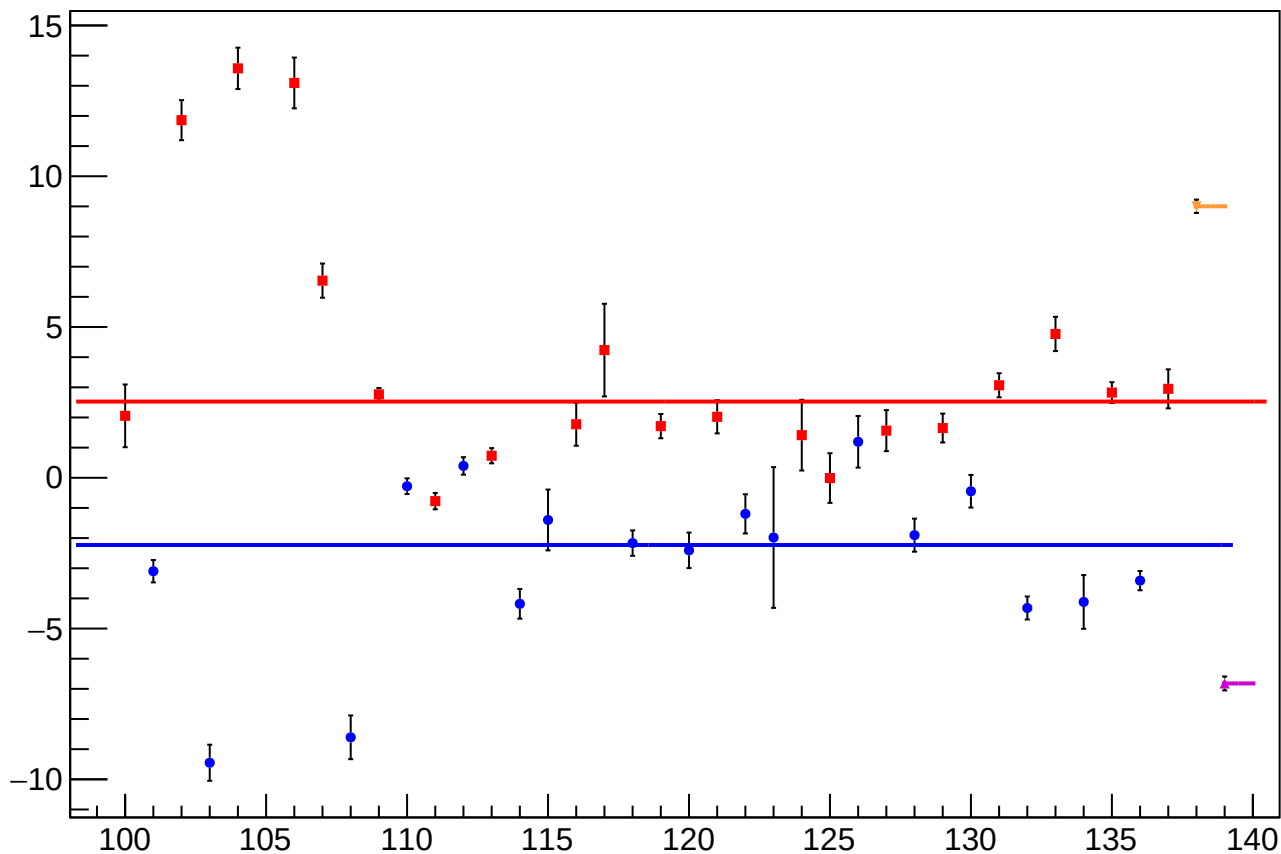
Left In: 7.057 ± 0.382 χ^2/NDF : 0.0/0

1.167 ± 0.060 χ^2/NDF : 1039.8/17

0.066 ± 0.041 χ^2/NDF : 3086.8/38

-0.943 ± 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: 9.003 ± 0.222 χ^2/NDF : 0.0/0

Right Out: 2.527 ± 0.099 χ^2/NDF : 905.2/19

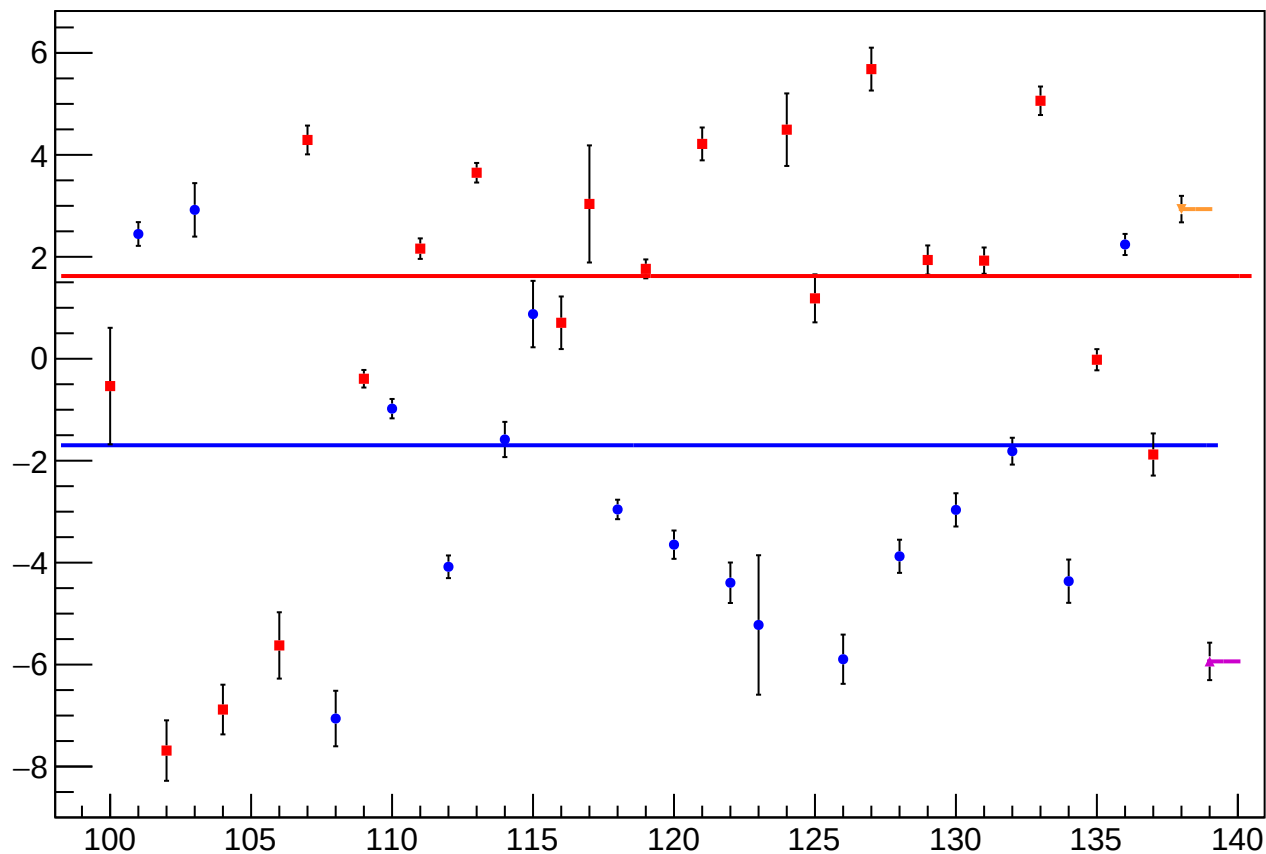
Left In: -6.820 ± 0.231 χ^2/NDF : 0.0/0

0.020 ± 0.100 χ^2/NDF : 2499.6/17

0.602 ± 0.067 χ^2/NDF : 4847.6/38

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: 2.936 $\pm$ 0.260 χ^2/NDF : 0.0/0

Right Out: 1.623 $\pm$ 0.066 χ^2/NDF : 1490.8/19

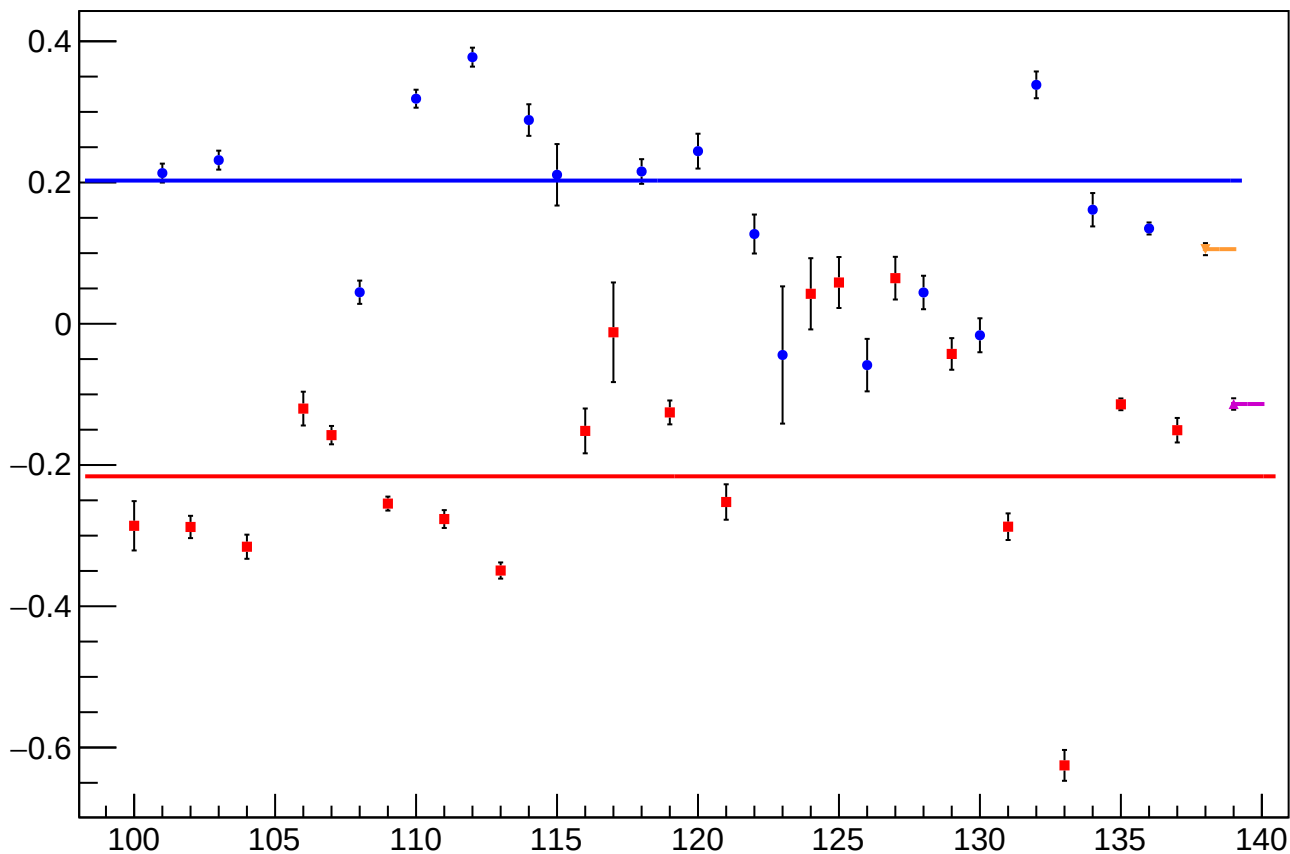
Left In: -5.937 $\pm$ 0.367 χ^2/NDF : 0.0/0

-1.374 $\pm$ 0.069 χ^2/NDF : 1615.3/17

0.091 $\pm$ 0.047 χ^2/NDF : 4378.0/38

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 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.106 ± 0.009 χ^2/NDF : 0.0/0

Right Out: -0.216 ± 0.004 χ^2/NDF : 1072.8/19

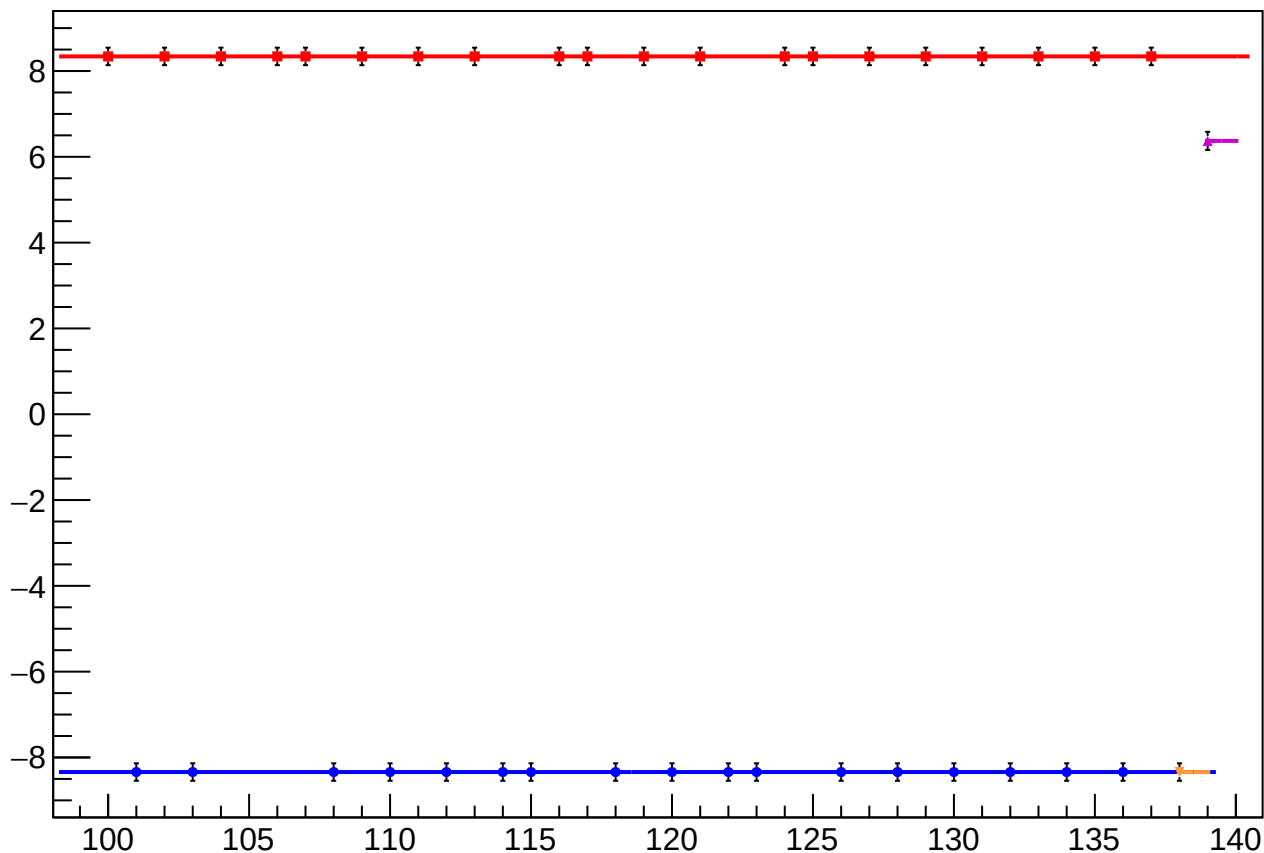
Left In: -0.114 ± 0.008 χ^2/NDF : 0.0/0

0.184 ± 0.004 χ^2/NDF : 781.0/17

-0.027 ± 0.002 χ^2/NDF : 7785.0/38

-0.198 ± 0.003 χ^2/NDF : 1204.7/20

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.340 $\pm$ 0.049 χ^2 /NDF: 0.0/16

Left Out: -8.340 $\pm$ 0.204 χ^2 /NDF: 0.0/0

Right Out: 8.340 $\pm$ 0.046 χ^2 /NDF: 0.0/19

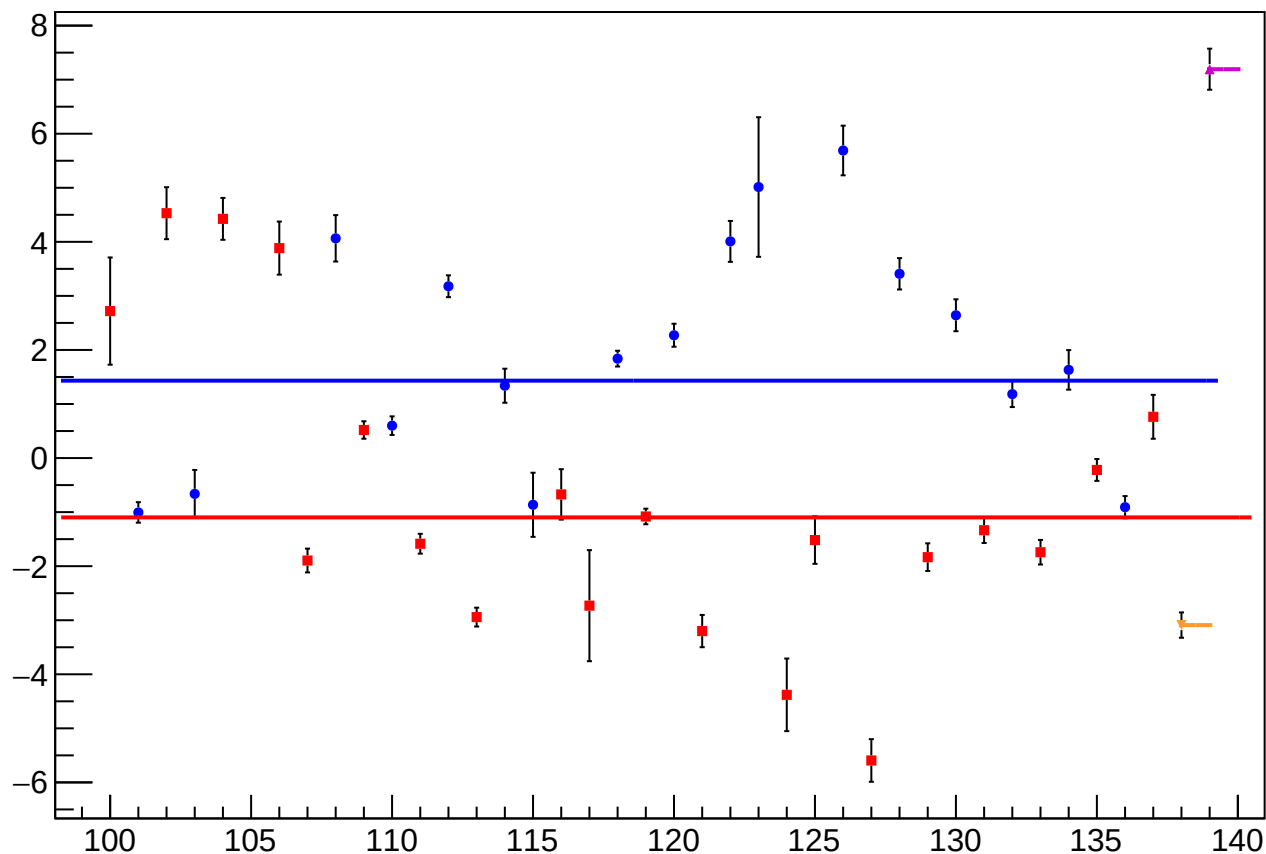
Left In: 6.371 $\pm$ 0.213 χ^2 /NDF: 0.0/0

-8.340 $\pm$ 0.048 χ^2 /NDF: 0.0/17

0.579 $\pm$ 0.033 χ^2 /NDF: 64107.9/38

8.253 $\pm$ 0.045 χ^2 /NDF: 82.0/20

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 $\pm$ 0.062 χ^2 /NDF: 696.6/16

Left Out: -3.090 $\pm$ 0.234 χ^2 /NDF: 0.0/0

Right Out: -1.098 $\pm$ 0.058 χ^2 /NDF: 955.7/19

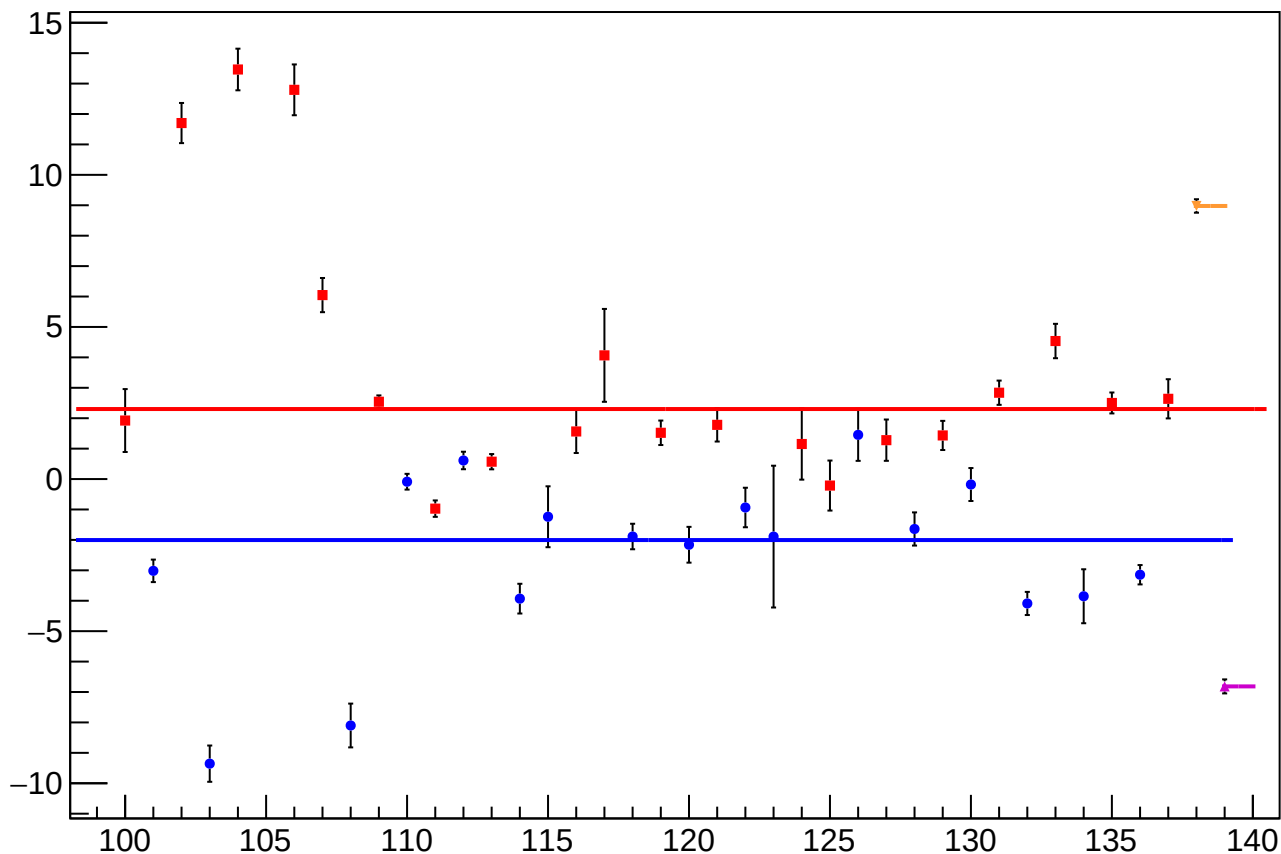
Left In: 7.193 $\pm$ 0.380 χ^2 /NDF: 0.0/0

1.139 $\pm$ 0.060 χ^2 /NDF: 1044.6/17

0.070 $\pm$ 0.041 χ^2 /NDF: 3082.1/38

-0.910 $\pm$ 0.057 χ^2 /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: 8.977 ± 0.222 χ^2/NDF : 0.0/0

Right Out: 2.302 ± 0.098 χ^2/NDF : 908.6/19

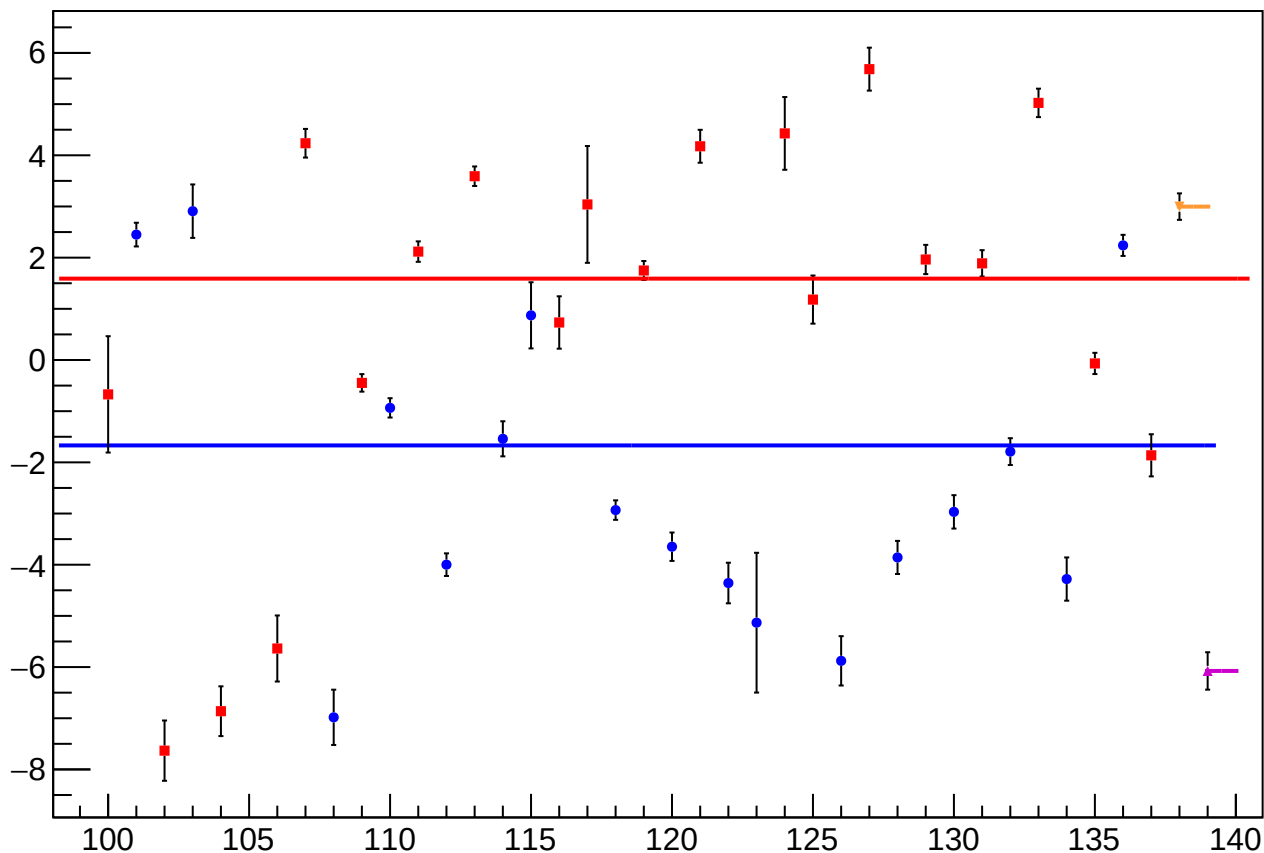
Left In: -6.816 ± 0.230 χ^2/NDF : 0.0/0

0.190 ± 0.099 χ^2/NDF : 2429.8/17

0.577 ± 0.067 χ^2/NDF : 4691.1/38

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: 2.997 ± 0.259 χ^2/NDF : 0.0/0

Right Out: 1.590 ± 0.065 χ^2/NDF : 1496.3/19

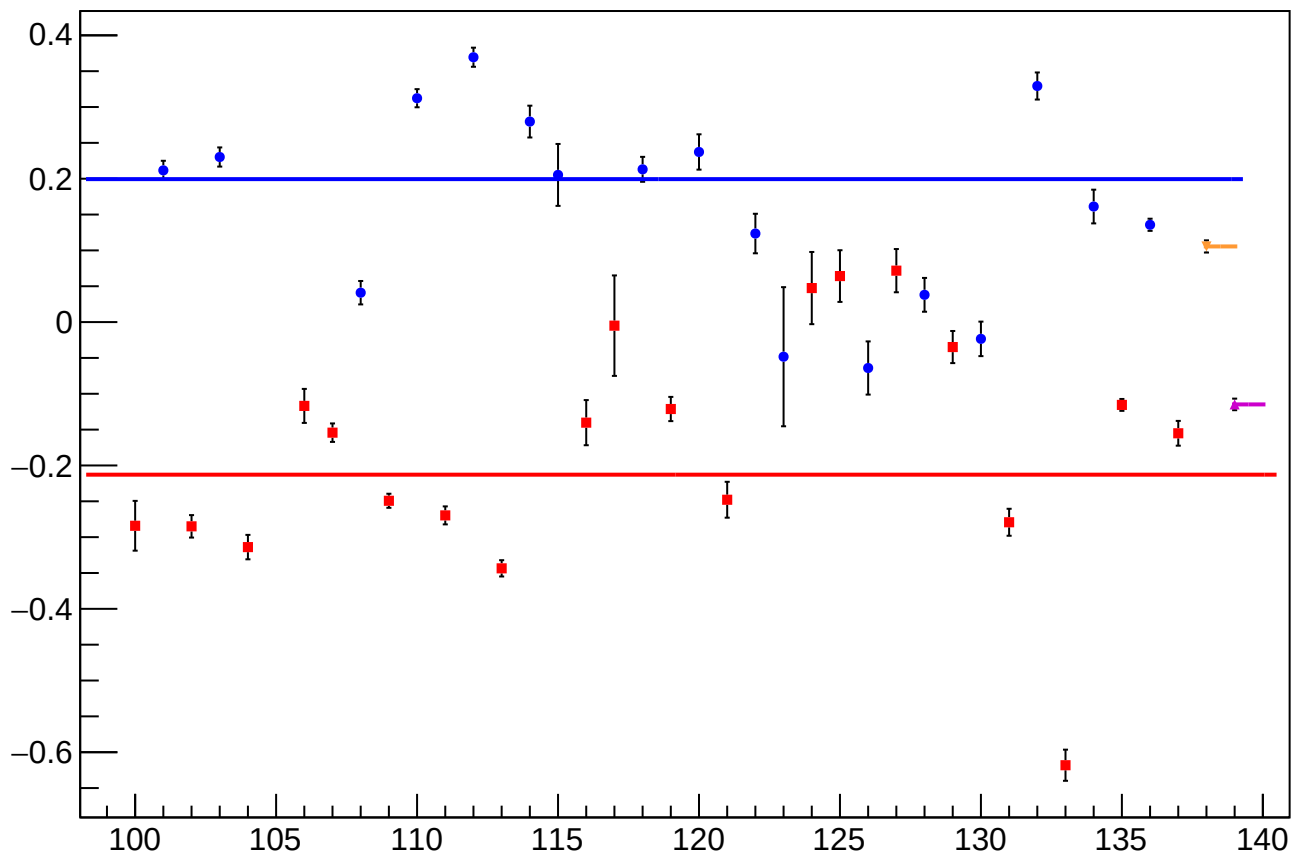
Left In: -6.076 ± 0.366 χ^2/NDF : 0.0/0

-1.344 ± 0.068 χ^2/NDF : 1617.8/17

0.086 ± 0.047 χ^2/NDF : 4368.1/38

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 $\pm$ 0.004 χ^2 /NDF: 662.1/16

Left Out: 0.106 $\pm$ 0.009 χ^2 /NDF: 0.0/0

Right Out: -0.213 $\pm$ 0.004 χ^2 /NDF: 1057.0/19

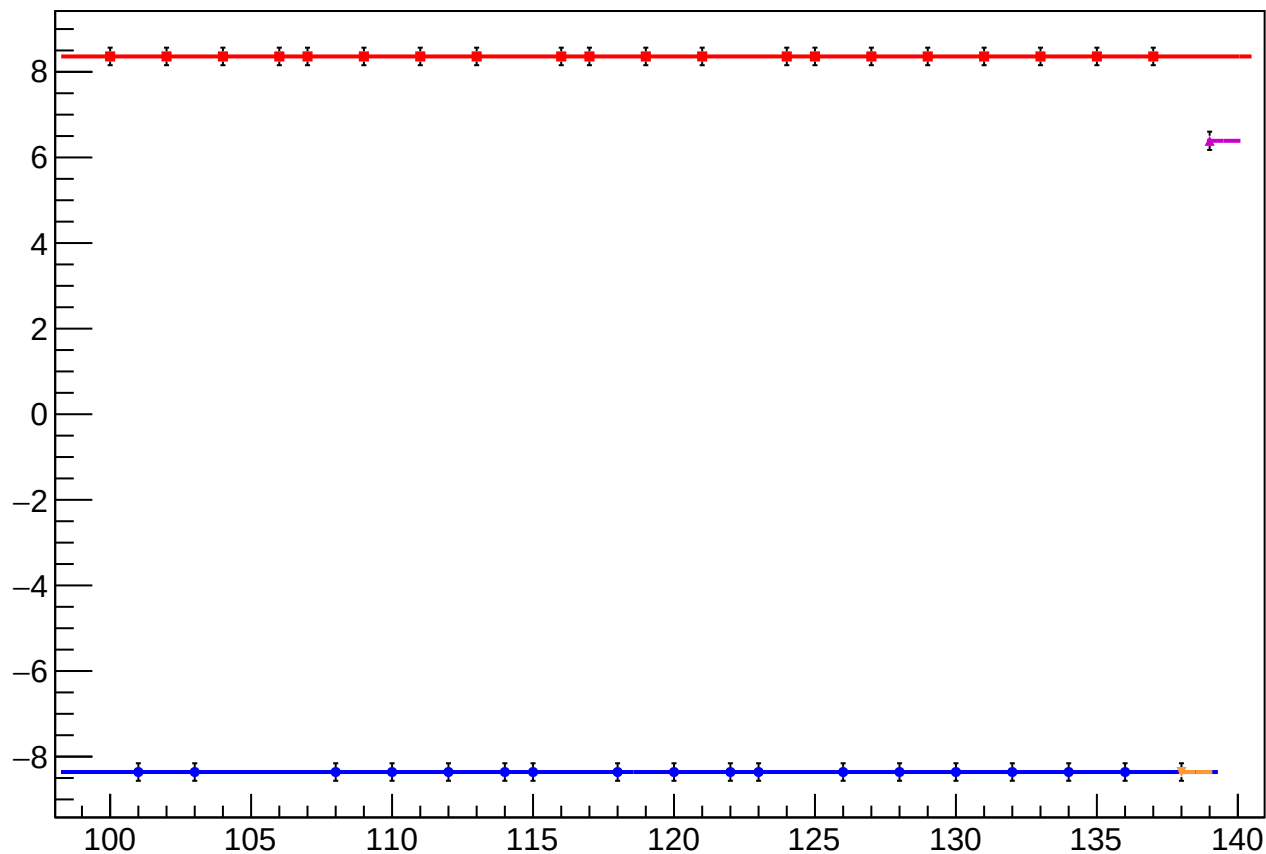
Left In: -0.115 $\pm$ 0.008 χ^2 /NDF: 0.0/0

0.182 $\pm$ 0.004 χ^2 /NDF: 760.7/17

-0.027 $\pm$ 0.002 χ^2 /NDF: 7639.5/38

-0.196 $\pm$ 0.003 χ^2 /NDF: 1178.9/20

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.360 $\pm$ 0.050 χ^2 /NDF: 0.0/16

Left Out: -8.360 $\pm$ 0.205 χ^2 /NDF: 0.0/0

Right Out: 8.360 $\pm$ 0.046 χ^2 /NDF: 0.0/19

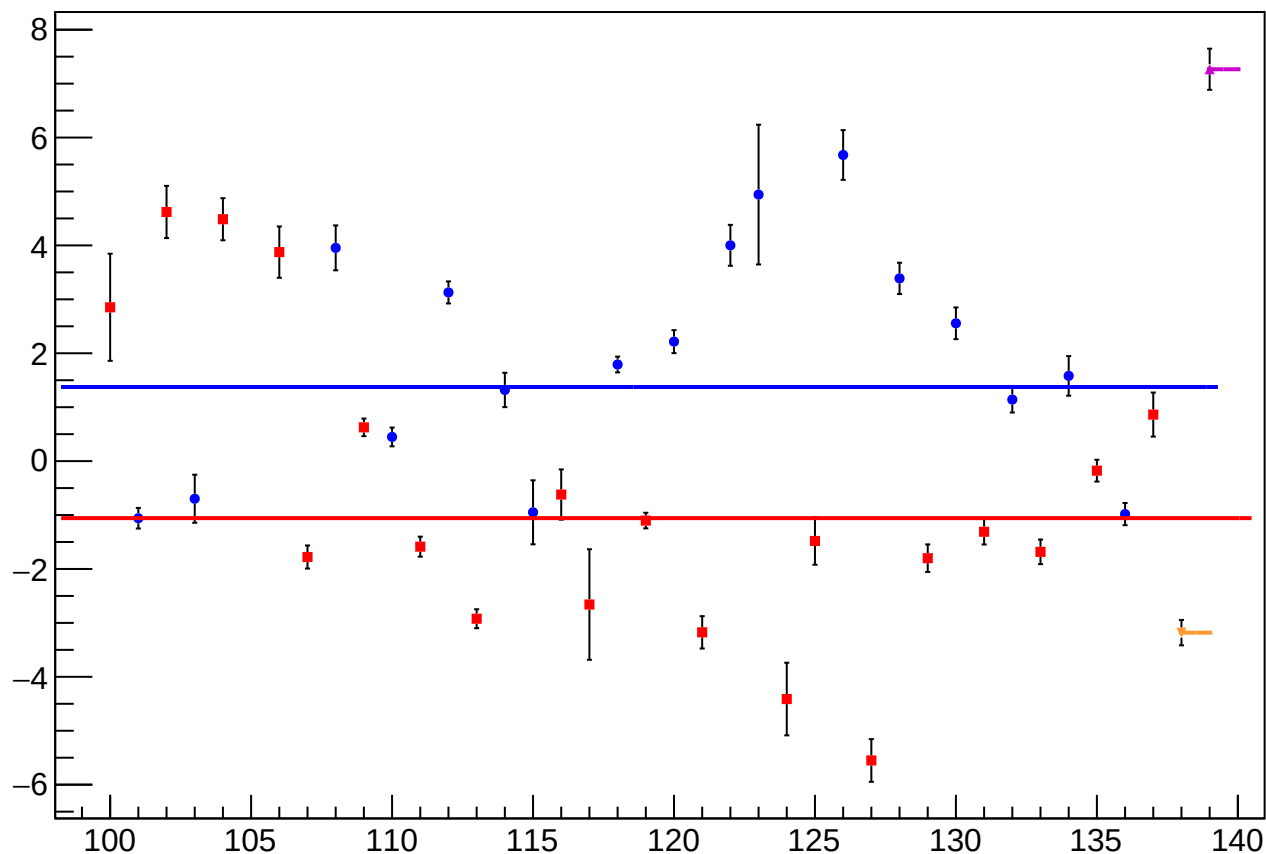
Left In: 6.389 $\pm$ 0.214 χ^2 /NDF: 0.0/0

-8.360 $\pm$ 0.048 χ^2 /NDF: 0.0/17

0.581 $\pm$ 0.033 χ^2 /NDF: 63793.7/38

8.273 $\pm$ 0.045 χ^2 /NDF: 81.4/20

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: -3.180 ± 0.236 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

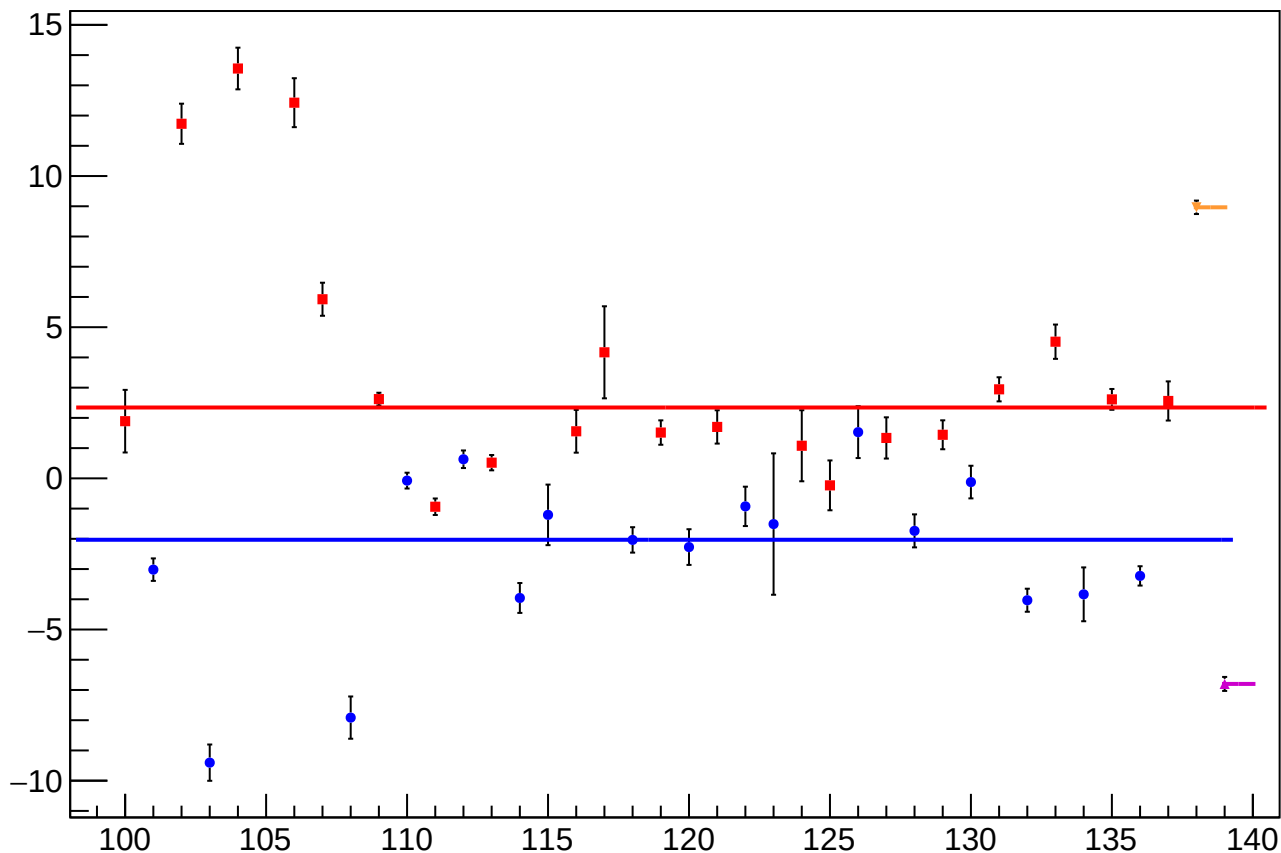
Left In: 7.267 ± 0.382 $\chi^2/\text{NDF}: 0.0/0$

1.080 ± 0.060 $\chi^2/\text{NDF}: 1052.2/17$

0.060 ± 0.041 $\chi^2/\text{NDF}: 3038.1/38$

-0.870 ± 0.057 $\chi^2/\text{NDF}: 1431.9/20$

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: 8.966 ± 0.223 χ^2/NDF : 0.0/0

Right Out: 2.344 ± 0.099 χ^2/NDF : 903.4/19

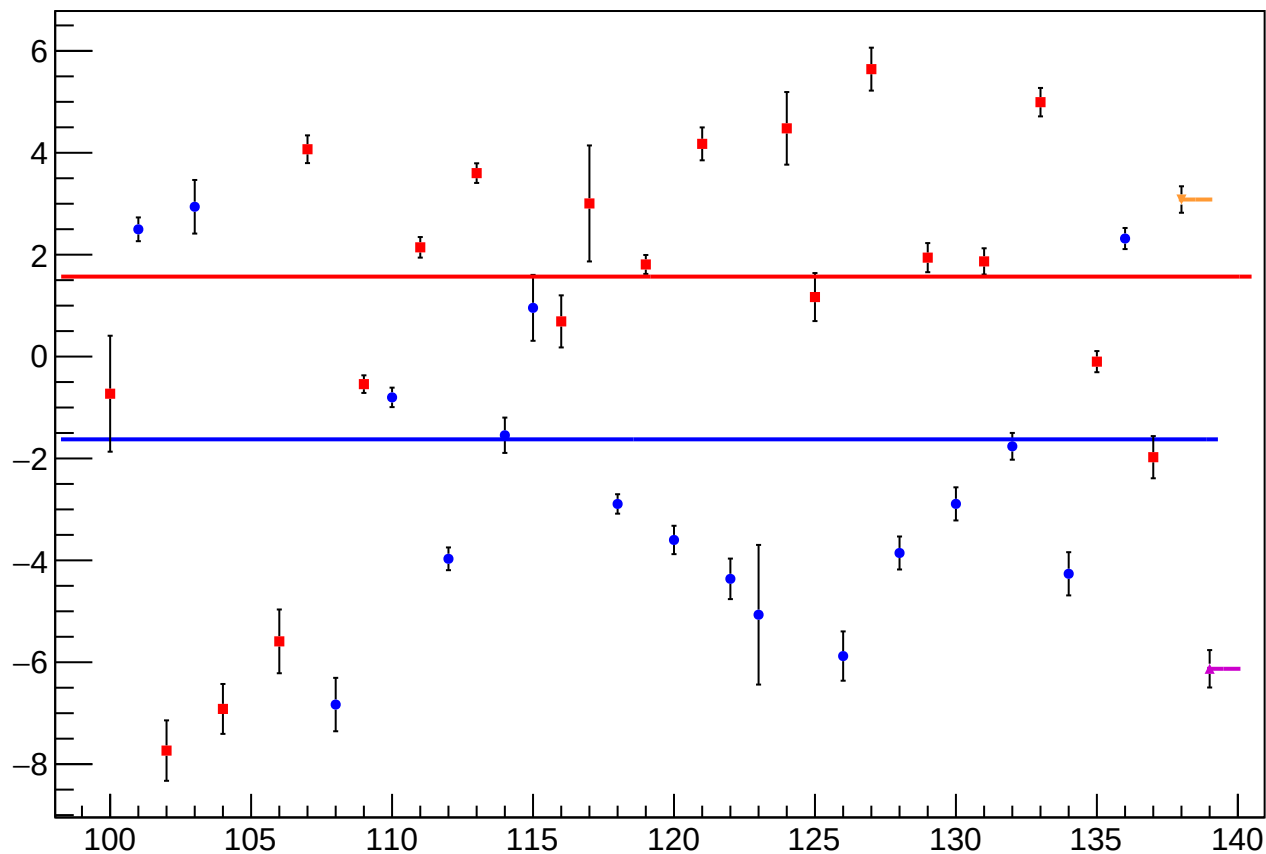
Left In: -6.800 ± 0.231 χ^2/NDF : 0.0/0

0.169 ± 0.100 χ^2/NDF : 2415.8/17

0.587 ± 0.067 χ^2/NDF : 4672.1/38

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 $\pm$ 0.071 χ^2 /NDF: 1320.8/16

Left Out: 3.083 $\pm$ 0.260 χ^2 /NDF:0.0/0

Right Out: 1.570 $\pm$ 0.065 χ^2 /NDF: 1507.4/19

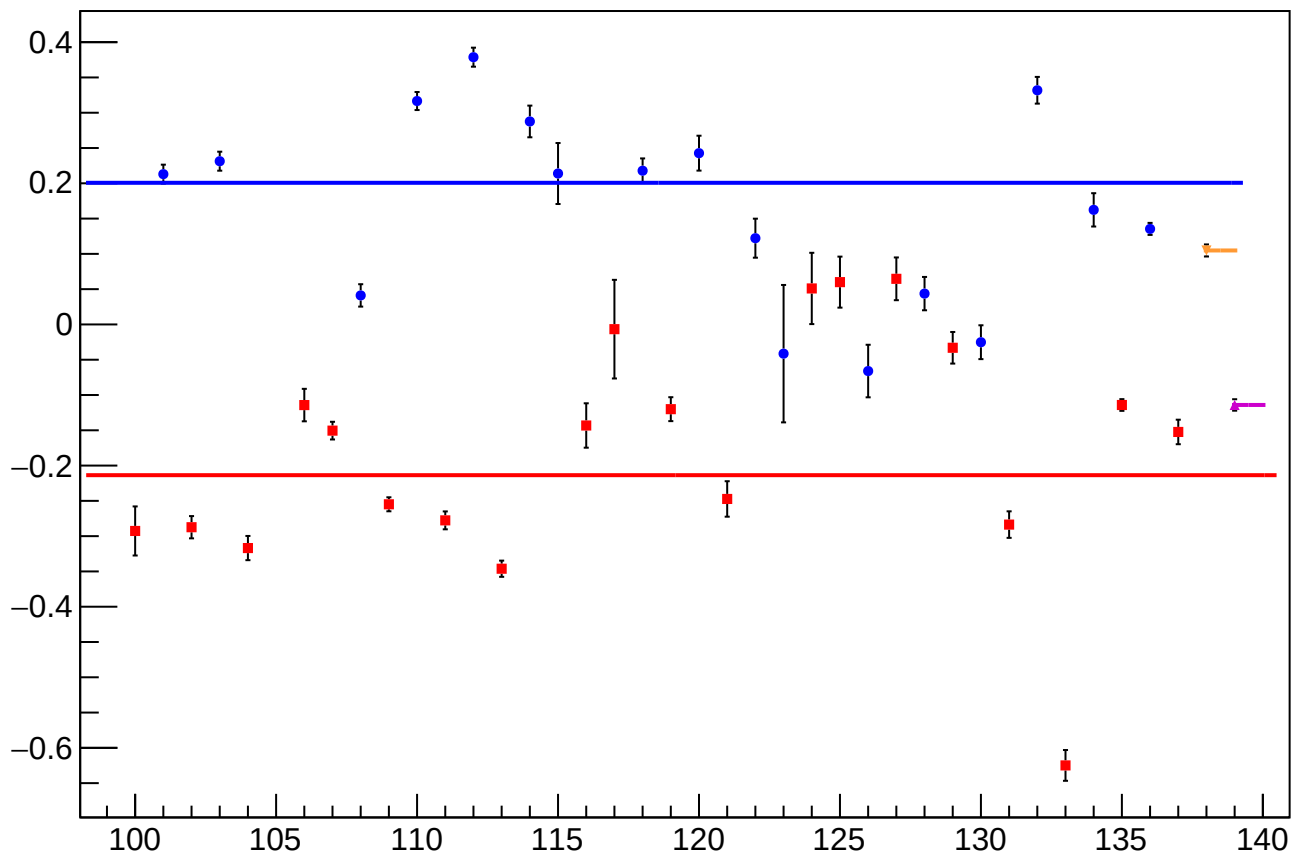
Left In: -6.128 $\pm$ 0.367 χ^2 /NDF:0.0/0

-1.297 $\pm$ 0.069 χ^2 /NDF: 1625.9/17

0.099 $\pm$ 0.047 χ^2 /NDF: 4339.5/38

1.332 $\pm$ 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: 0.105 $\pm$ 0.009 χ^2 /NDF:0.0/0

Right Out: -0.214 $\pm$ 0.004 χ^2 /NDF: 1089.2/19

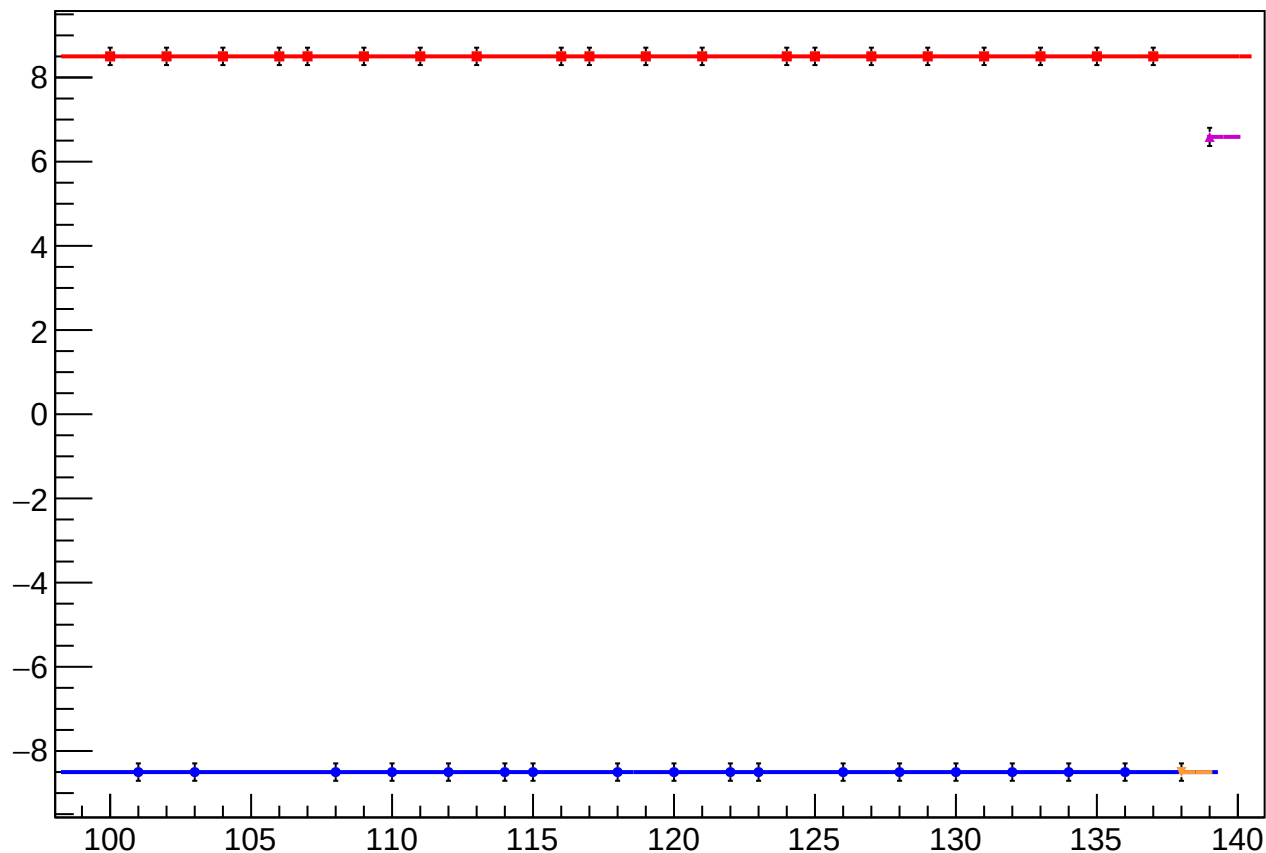
Left In: -0.114 $\pm$ 0.008 χ^2 /NDF:0.0/0

0.182 $\pm$ 0.004 χ^2 /NDF: 792.4/17

-0.027 $\pm$ 0.002 χ^2 /NDF: 7716.6/38

-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: -8.501 ± 0.207 χ^2/NDF : 0.0/0

Right Out: 8.501 ± 0.046 χ^2/NDF : 0.0/19

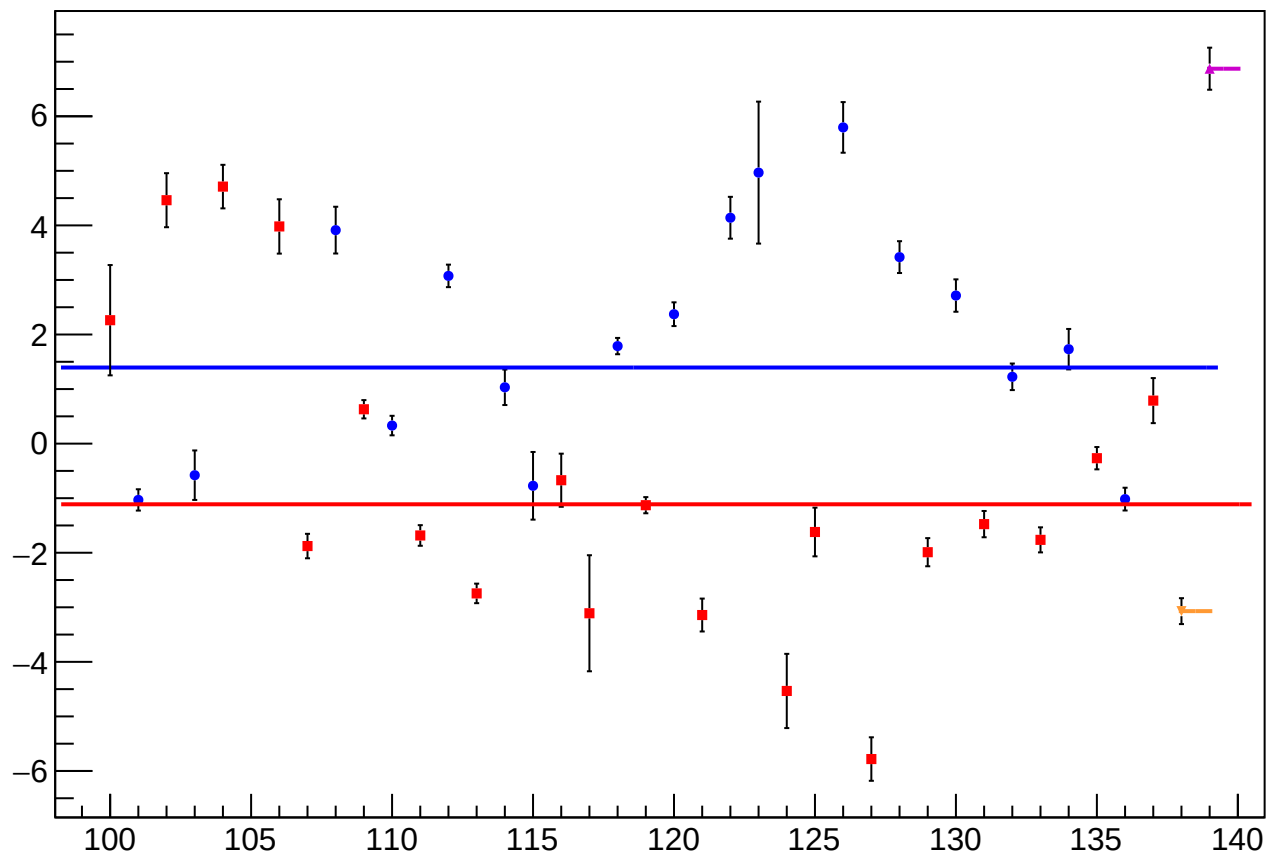
Left In: 6.589 ± 0.216 χ^2/NDF : 0.0/0

-8.501 ± 0.049 χ^2/NDF : 0.0/17

0.592 ± 0.033 χ^2/NDF : 64839.8/38

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 ± 0.063 $\chi^2/\text{NDF}: 701.4/16$

Left Out: -3.070 ± 0.237 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -1.112 ± 0.059 $\chi^2/\text{NDF}: 940.5/19$

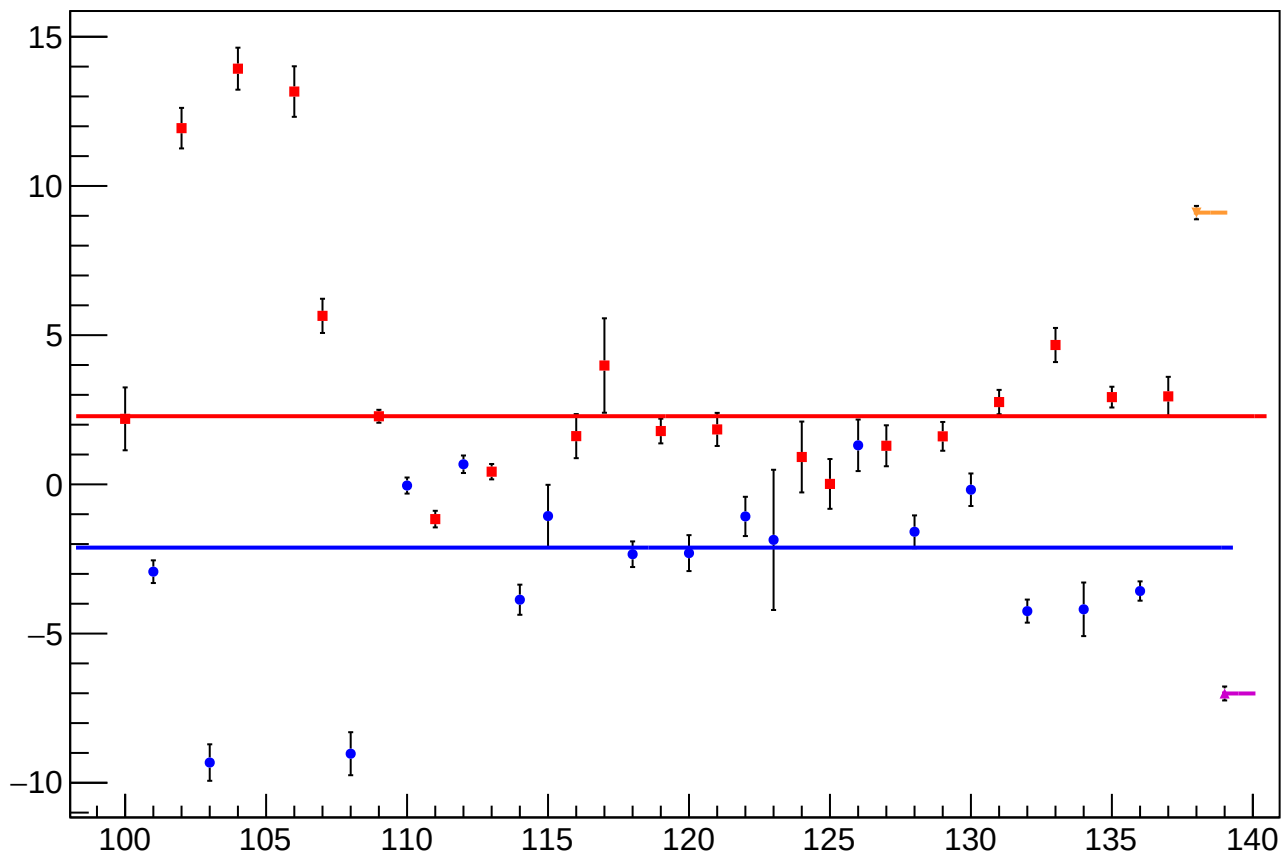
Left In: 6.872 ± 0.386 $\chi^2/\text{NDF}: 0.0/0$

1.101 ± 0.061 $\chi^2/\text{NDF}: 1031.7/17$

0.043 ± 0.042 $\chi^2/\text{NDF}: 2968.6/38$

-0.928 ± 0.058 $\chi^2/\text{NDF}: 1359.5/20$

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: 9.107 ± 0.225 χ^2/NDF : 0.0/0

Right Out: 2.284 ± 0.101 χ^2/NDF : 920.6/19

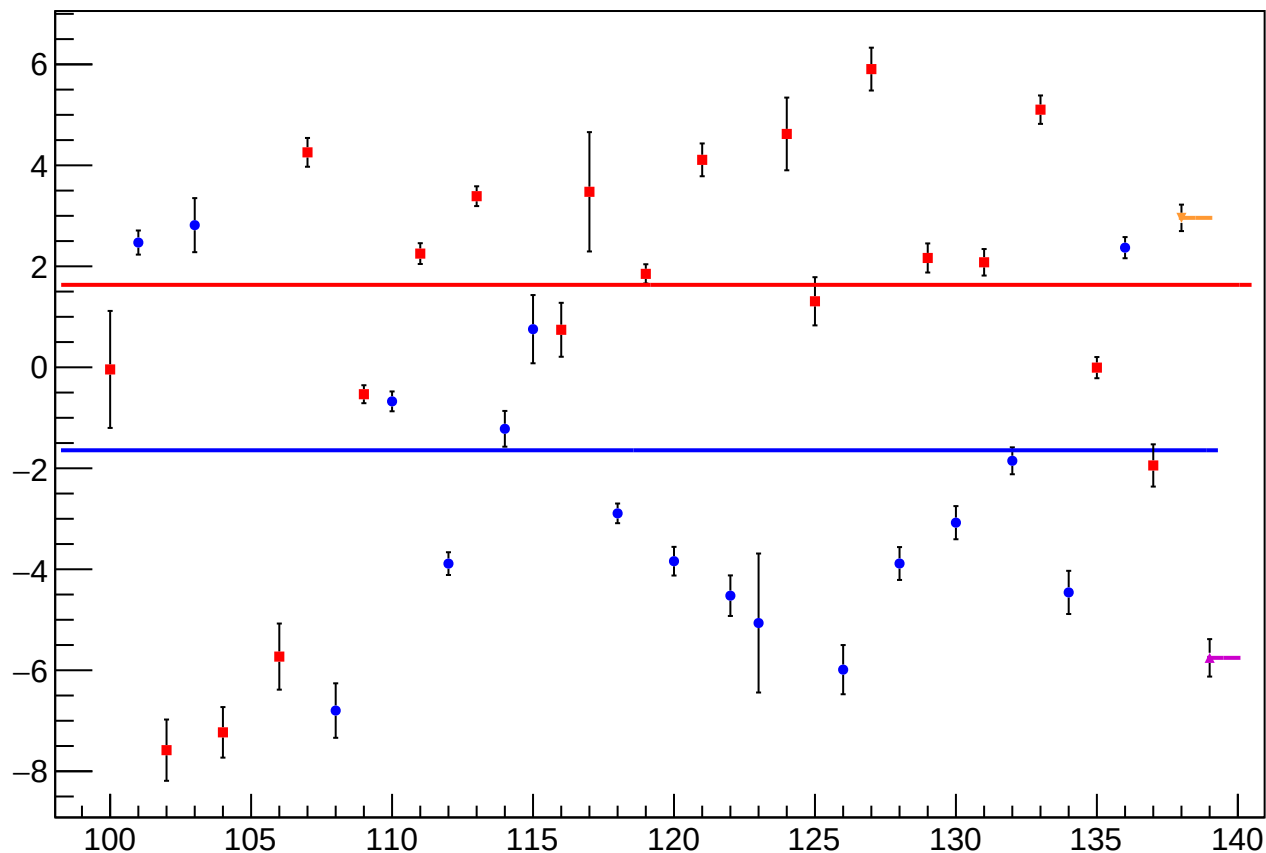
Left In: -7.008 ± 0.234 χ^2/NDF : 0.0/0

0.159 ± 0.101 χ^2/NDF : 2478.6/17

0.523 ± 0.068 χ^2/NDF : 4753.9/38

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 $\pm$ 0.072 χ^2 /NDF: 1310.1/16

Left Out: 2.960 $\pm$ 0.262 χ^2 /NDF: 0.0/0

Right Out: 1.633 $\pm$ 0.067 χ^2 /NDF: 1470.6/19

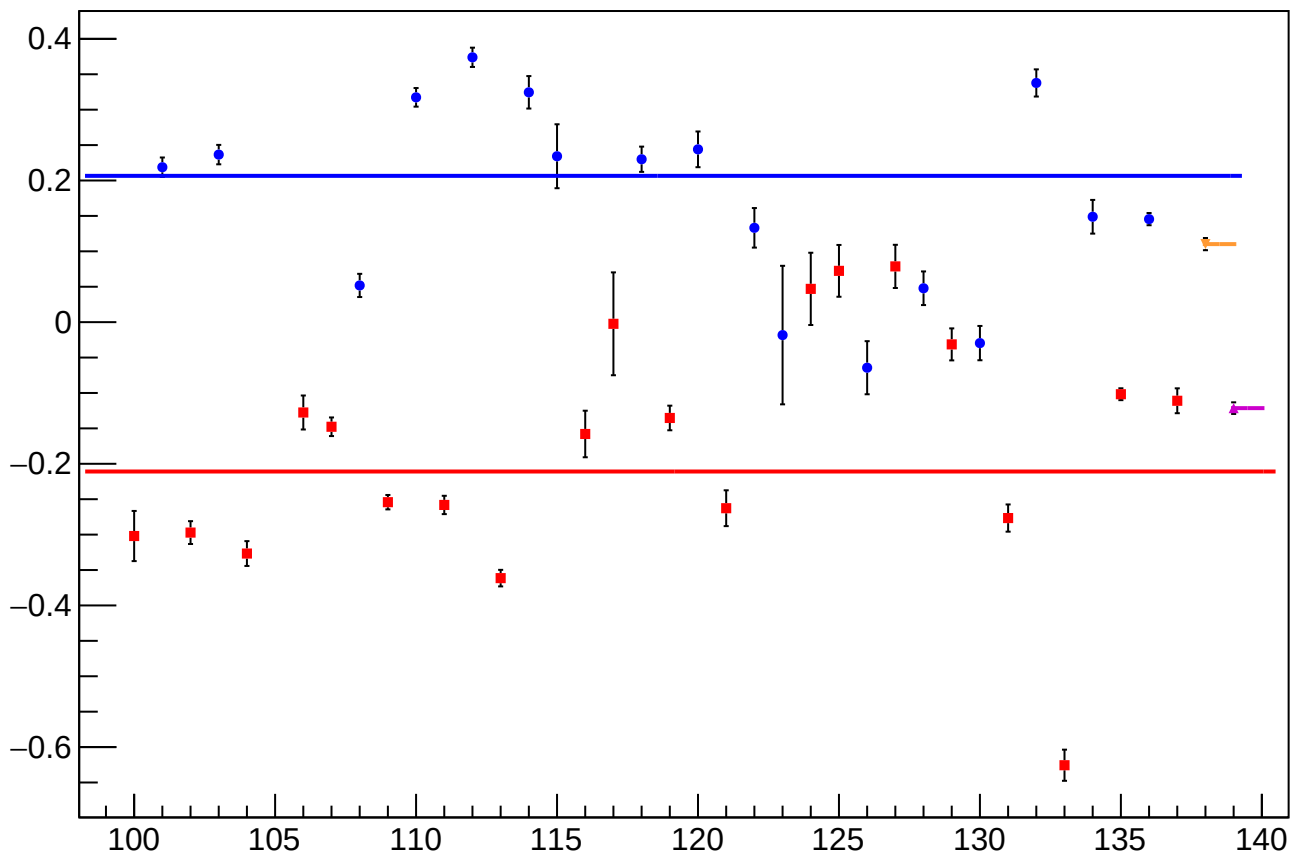
Left In: -5.754 $\pm$ 0.371 χ^2 /NDF: 0.0/0

-1.317 $\pm$ 0.070 χ^2 /NDF: 1596.7/17

0.122 $\pm$ 0.048 χ^2 /NDF: 4254.9/38

1.401 $\pm$ 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: 0.110 ± 0.009 χ^2/NDF : 0.0/0

Right Out: -0.211 ± 0.004 χ^2/NDF : 1153.8/19

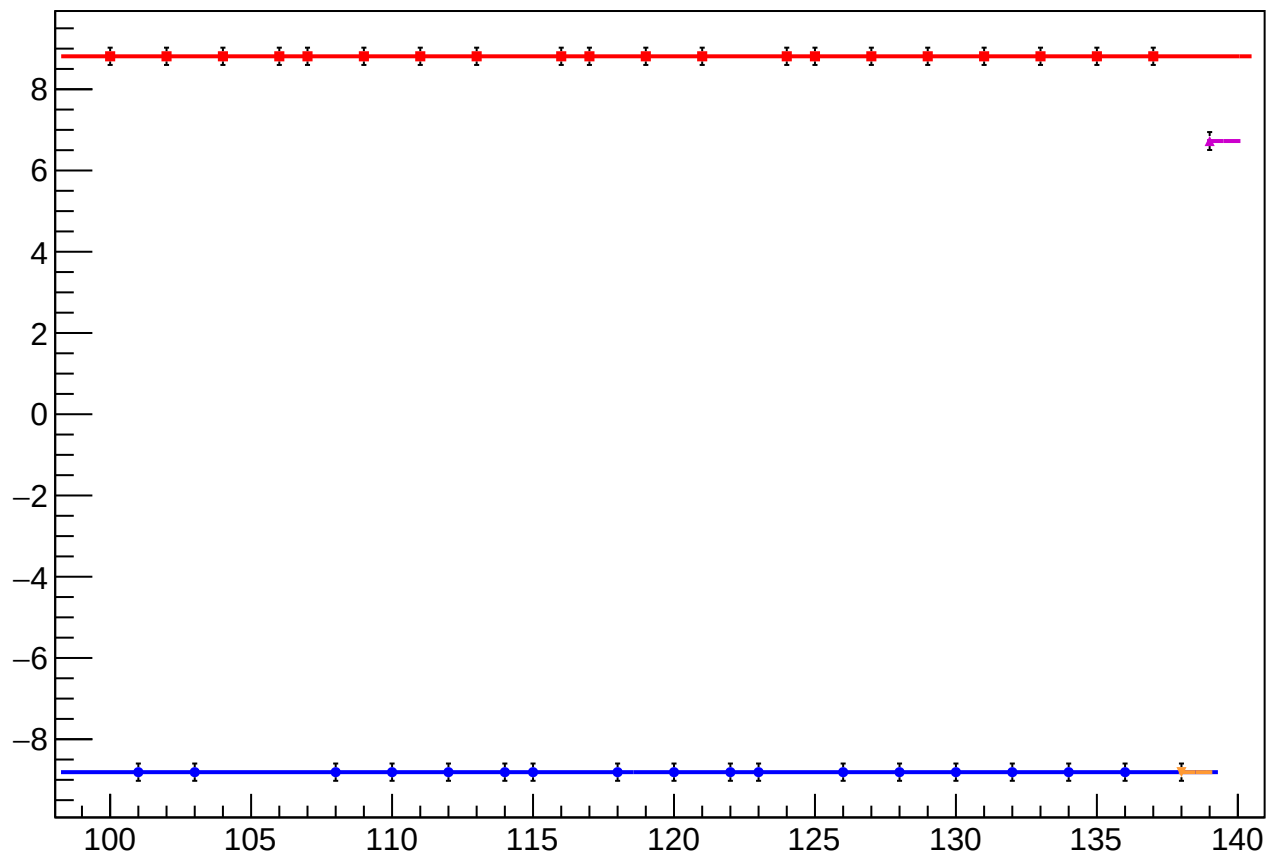
Left In: -0.121 ± 0.008 χ^2/NDF : 0.0/0

0.188 ± 0.004 χ^2/NDF : 755.8/17

-0.024 ± 0.003 χ^2/NDF : 7650.3/38

-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: -8.811 ± 0.213 χ^2/NDF : 0.0/0

Right Out: 8.811 ± 0.048 χ^2/NDF : 0.0/19

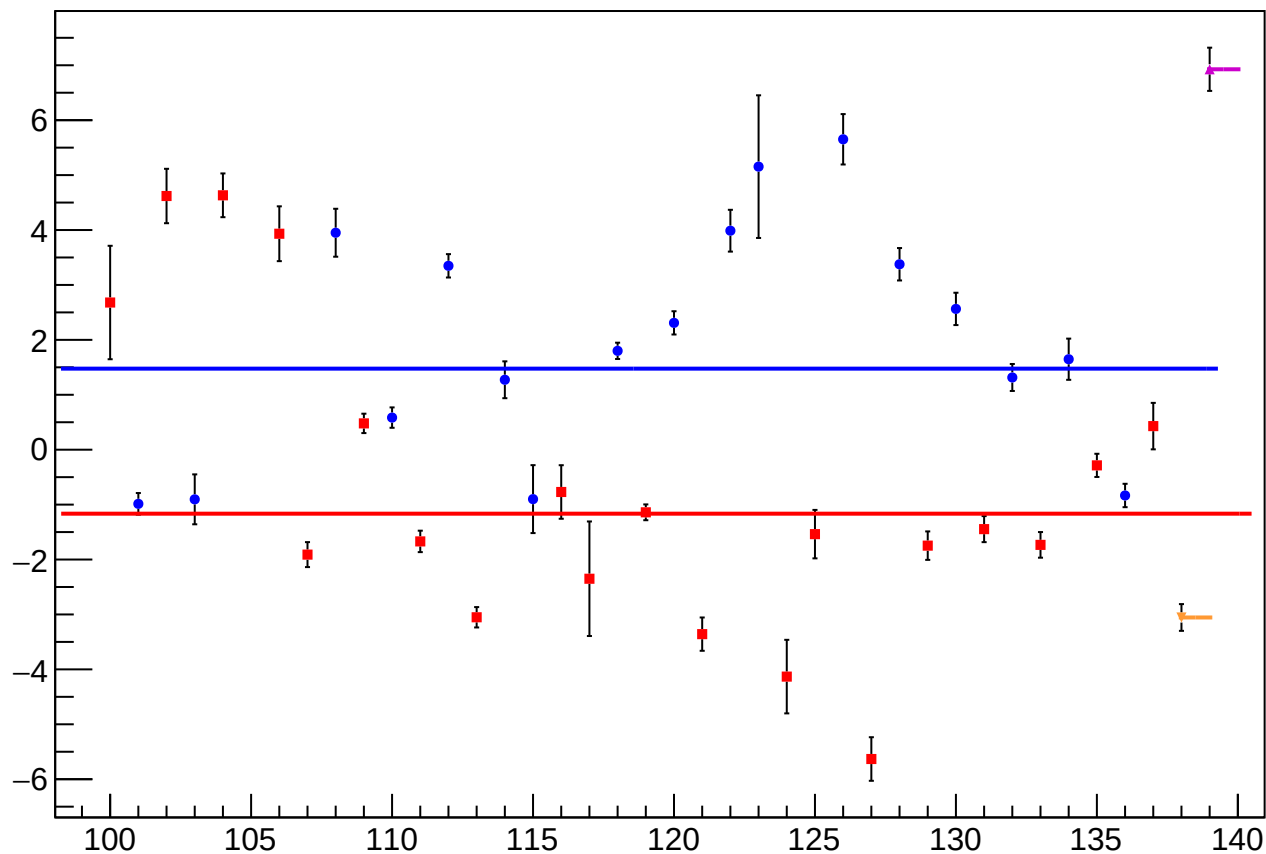
Left In: 6.725 ± 0.220 χ^2/NDF : 0.0/0

-8.811 ± 0.050 χ^2/NDF : 0.0/17

0.613 ± 0.034 χ^2/NDF : 65880.6/38

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: -3.055 ± 0.244 χ^2/NDF : 0.0/0

Right Out: -1.165 ± 0.060 χ^2/NDF : 919.2/19

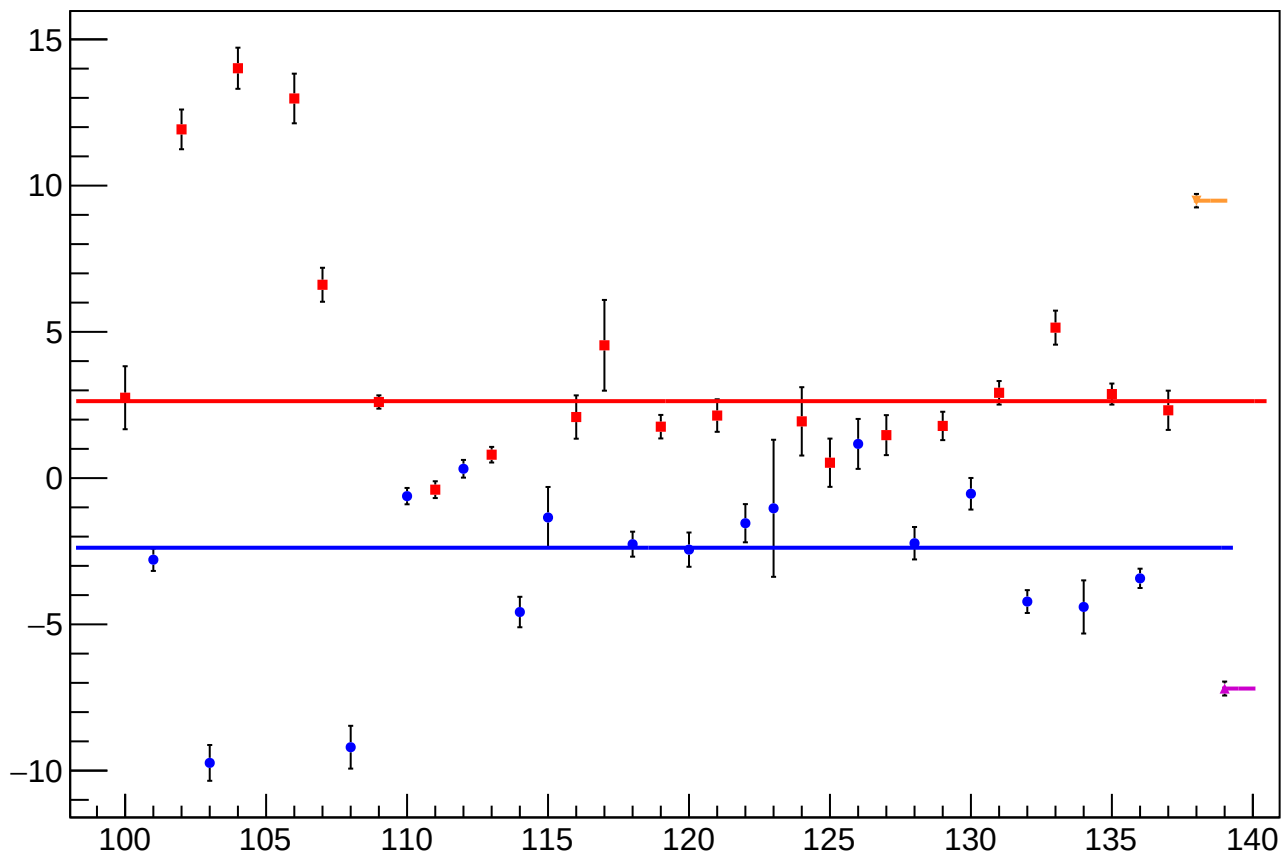
Left In: 6.927 ± 0.394 χ^2/NDF : 0.0/0

1.187 ± 0.062 χ^2/NDF : 983.7/17

0.060 ± 0.043 χ^2/NDF : 2961.5/38

-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: 9.485 ± 0.231 χ^2/NDF : 0.0/0

Right Out: 2.631 ± 0.103 χ^2/NDF : 842.8/19

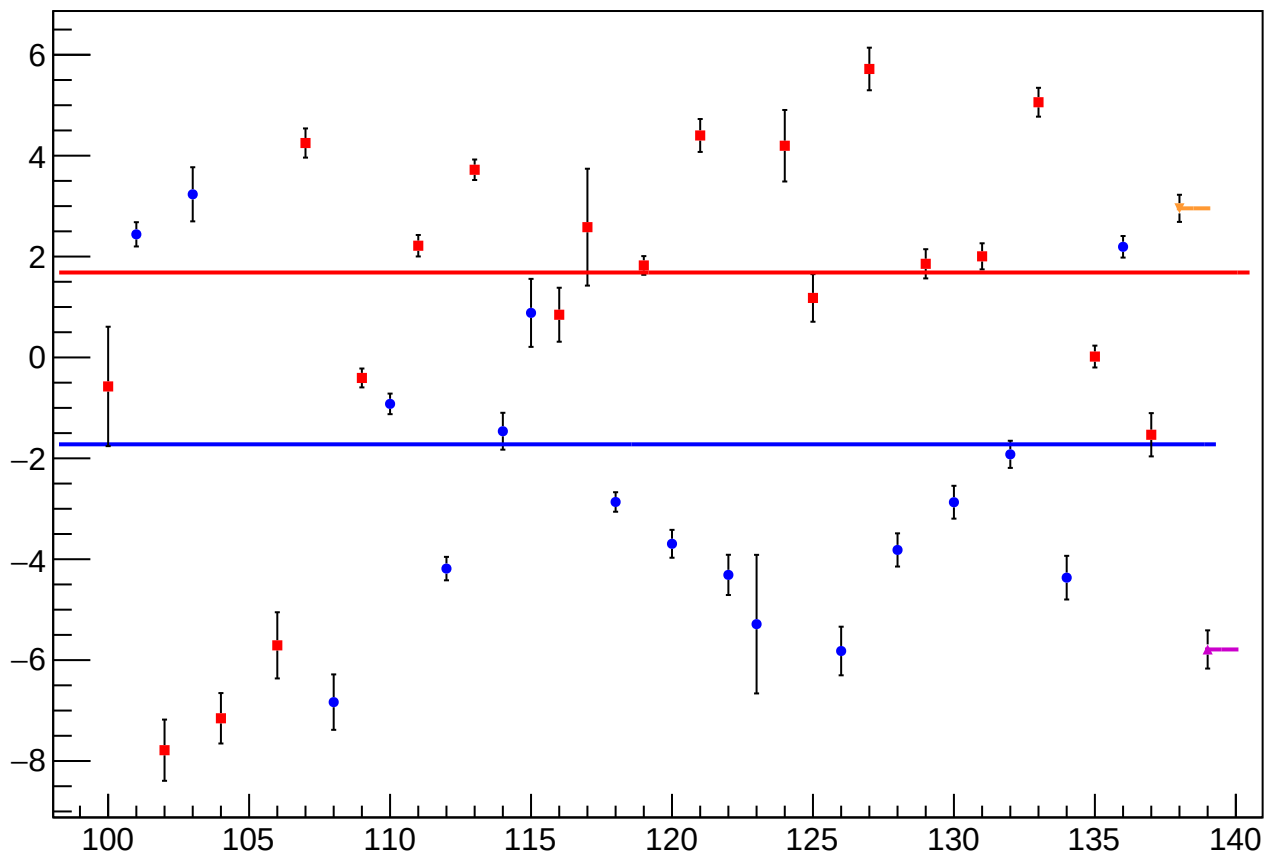
Left In: -7.194 ± 0.239 χ^2/NDF : 0.0/0

-0.020 ± 0.103 χ^2/NDF : 2555.1/17

0.582 ± 0.070 χ^2/NDF : 4887.6/38

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 $\pm$ 0.073 χ^2/NDF : 1247.6/16

Left Out: 2.956 $\pm$ 0.269 χ^2/NDF : 0.0/0

Right Out: 1.684 $\pm$ 0.068 χ^2/NDF : 1431.6/19

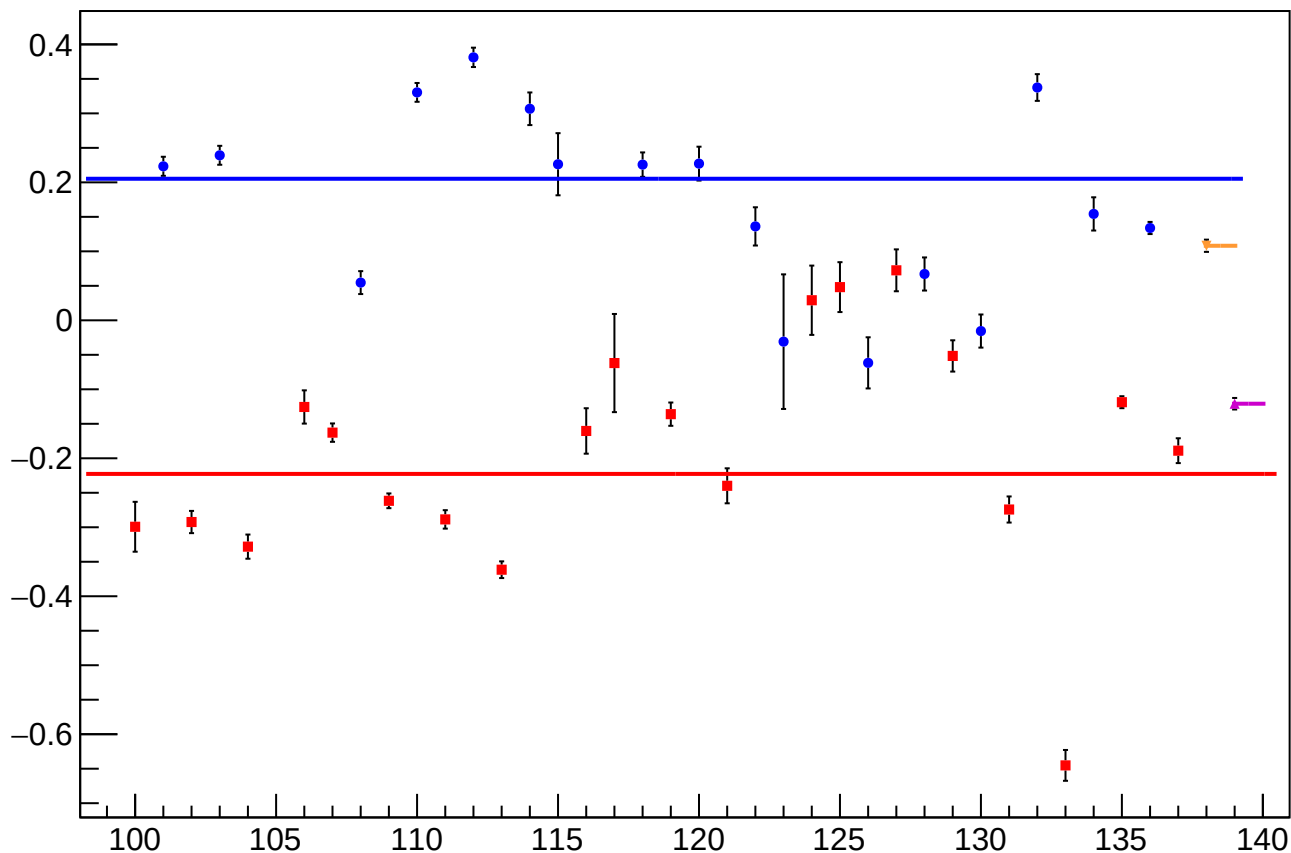
Left In: -5.789 $\pm$ 0.379 χ^2/NDF : 0.0/0

-1.400 $\pm$ 0.071 χ^2/NDF : 1529.3/17

0.105 $\pm$ 0.048 χ^2/NDF : 4200.0/38

1.452 $\pm$ 0.067 χ^2/NDF : 1808.7/20

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.108 ± 0.009 χ^2/NDF : 0.0/0

Right Out: -0.223 ± 0.004 χ^2/NDF : 1045.6/19

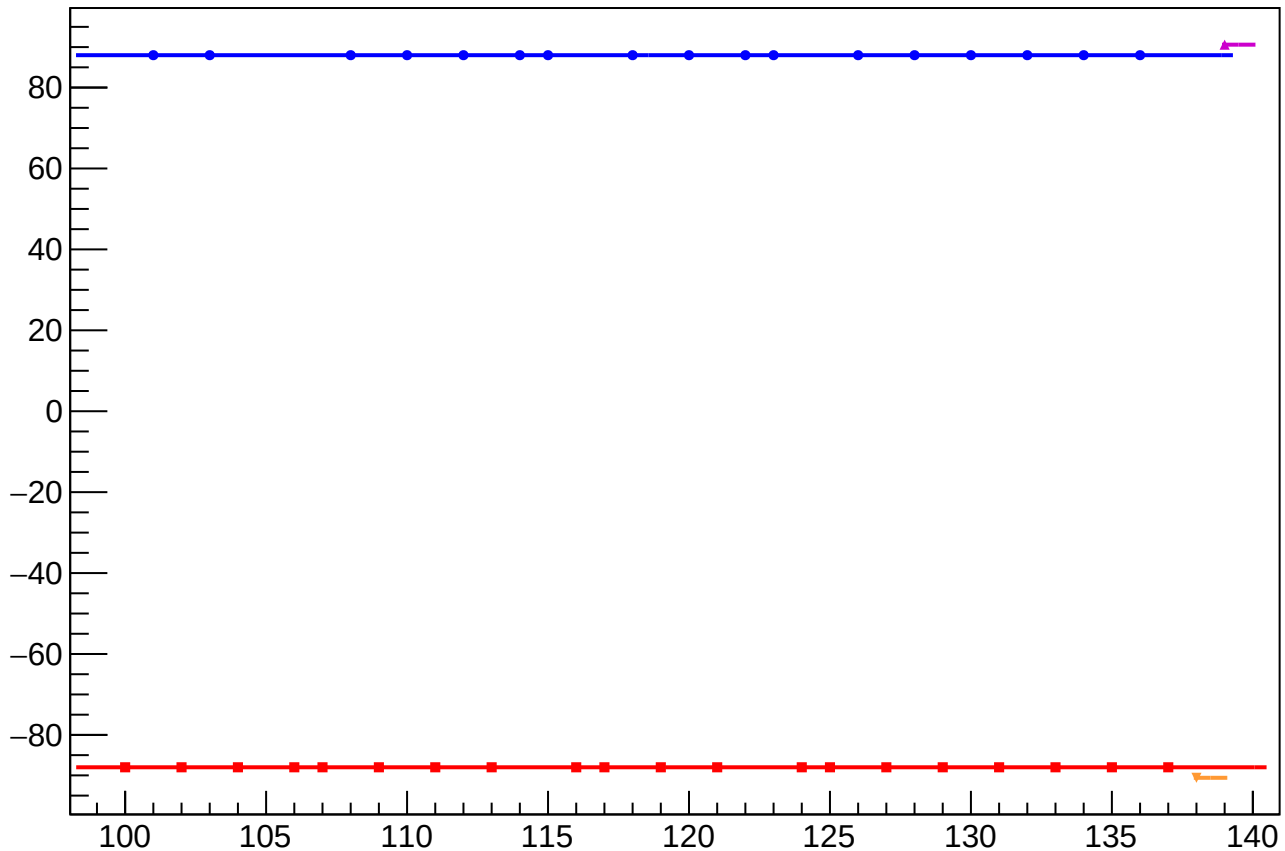
Left In: -0.121 ± 0.008 χ^2/NDF : 0.0/0

0.187 ± 0.004 χ^2/NDF : 747.8/17

-0.029 ± 0.003 χ^2/NDF : 7604.1/38

-0.205 ± 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 : 0.0/0

Right Out: -88.001 $\pm$ 0.000 χ^2/NDF : 224768.6/19

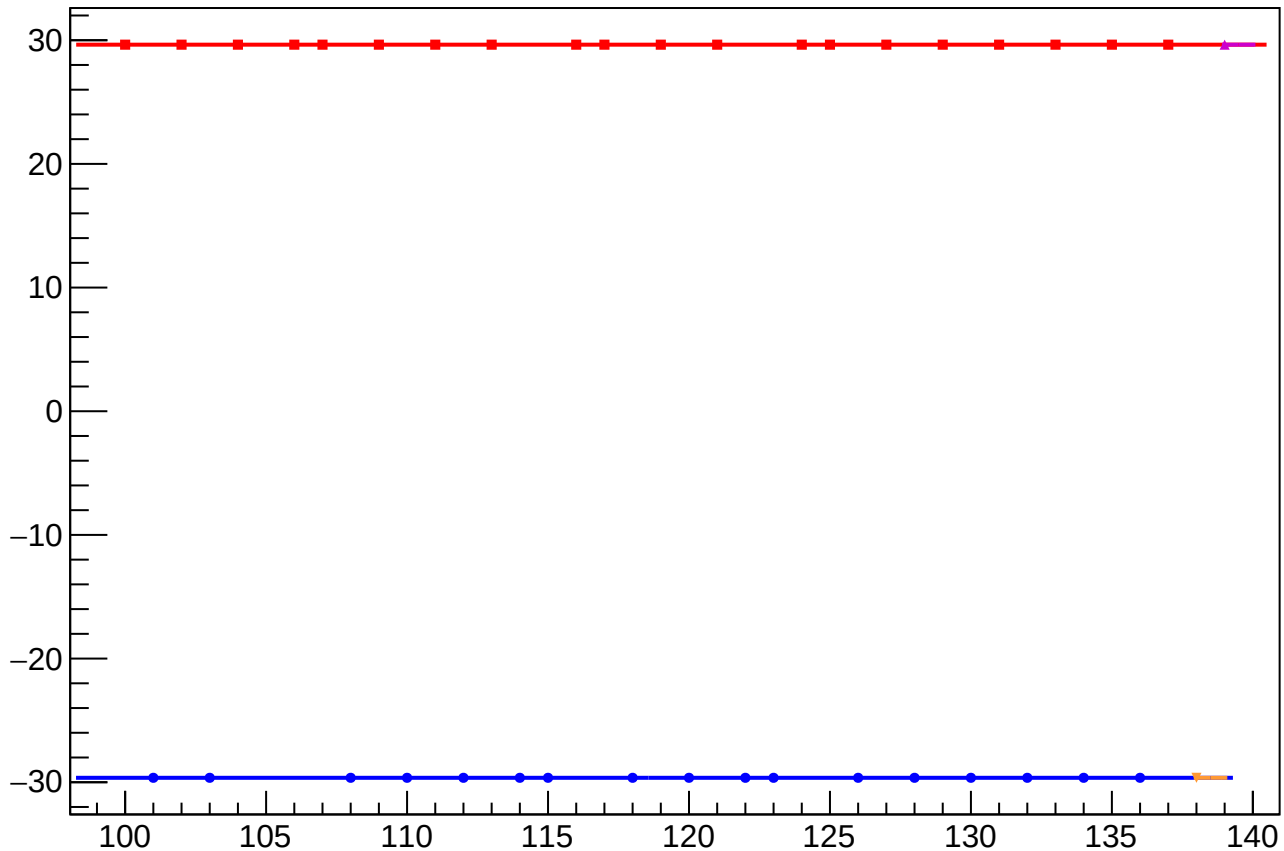
Left In: 90.599 $\pm$ 0.000 χ^2/NDF : 0.0/0

69.932 $\pm$ 0.000 χ^2/NDF : 223633246412451255

-3.266 $\pm$ 0.000 χ^2/NDF : 12389943510004

-71.922 $\pm$ 0.000 χ^2/NDF : 21479511945498777

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 590181.6/16

Left Out: -29.641+/-0.000 χ^2/NDF : 0.0/0

Right Out: 29.641+/-0.000 χ^2/NDF : 138258.9/19

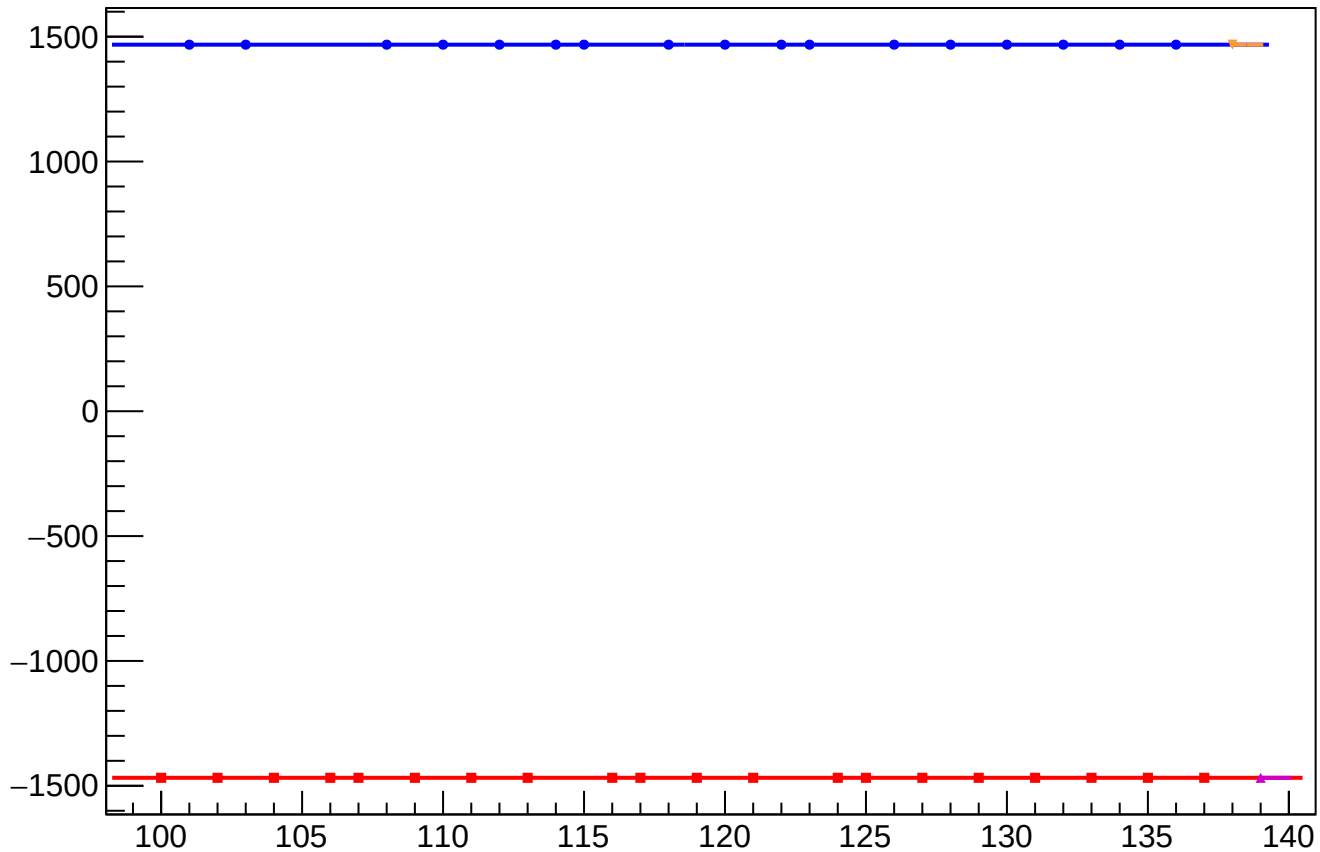
Left In: 29.641+/-0.000 χ^2/NDF : 0.0/0

-29.641+/-0.000 χ^2/NDF : 916593.3/17

0.949+/-0.000 χ^2/NDF : 13981295484265

29.641+/-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 : 0.0/0

Right Out: -1467.979+/-0.000 χ^2/NDF : 189579456.6/19

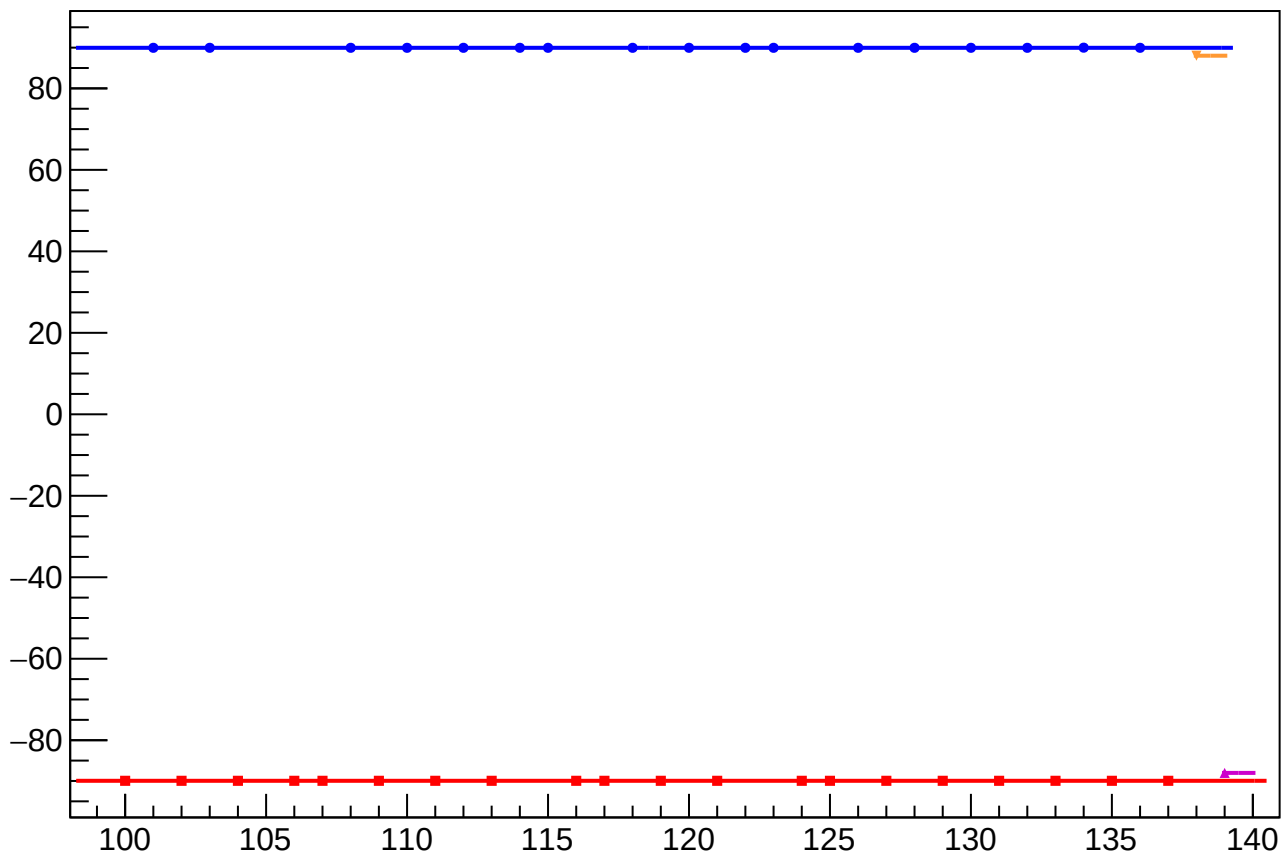
Left In: -1467.979+/-0.000 χ^2/NDF : 3825710.3/0

1467.979+/-0.000 χ^2/NDF : 932697839.4/17

-46.997+/-0.000 χ^2/NDF : 342933784741.0

-1467.979+/-0.000 χ^2/NDF : 813066843.4/20

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.960+/-0.000 χ^2/NDF : 22241994025452511954976374784.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 0.0/0

Right Out: -89.959+/-0.000 χ^2/NDF : 965111.4/19

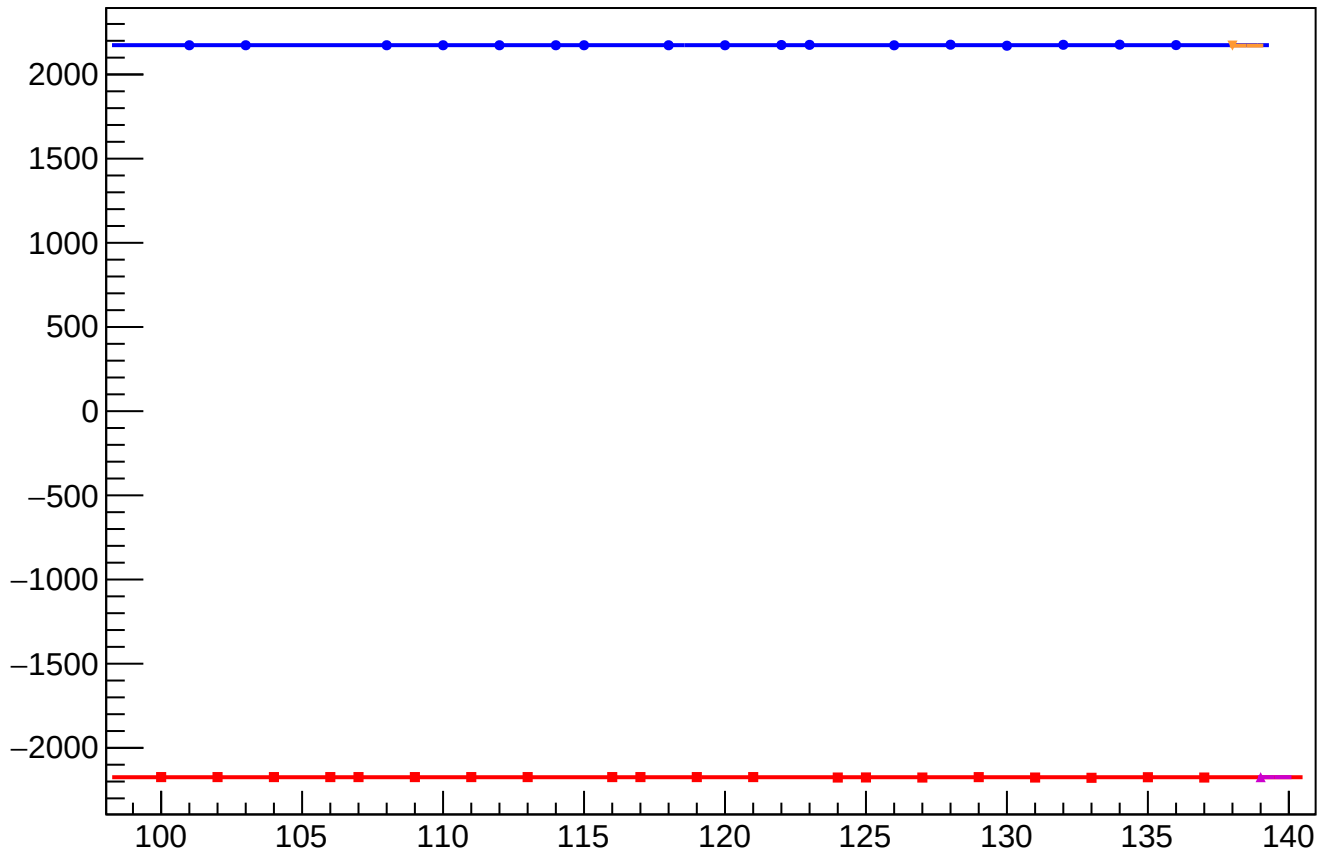
Left In: -88.021+/-0.000 χ^2/NDF : 0.0/0

89.764+/-0.000 χ^2/NDF : 263774190730441207

-2.884+/-0.000 χ^2/NDF : 1282605745438

-89.785+/-0.000 χ^2/NDF : 25306676680140765

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.056+/-0.000 χ^2/NDF : 1540627337710283644302236183429120.0/16

Left Out: 2171.413+/-0.000 χ^2/NDF : 16130021.9/0

Right Out: -2174.358+/-0.000 χ^2/NDF : 1264231113010335742320671948013568.0/19

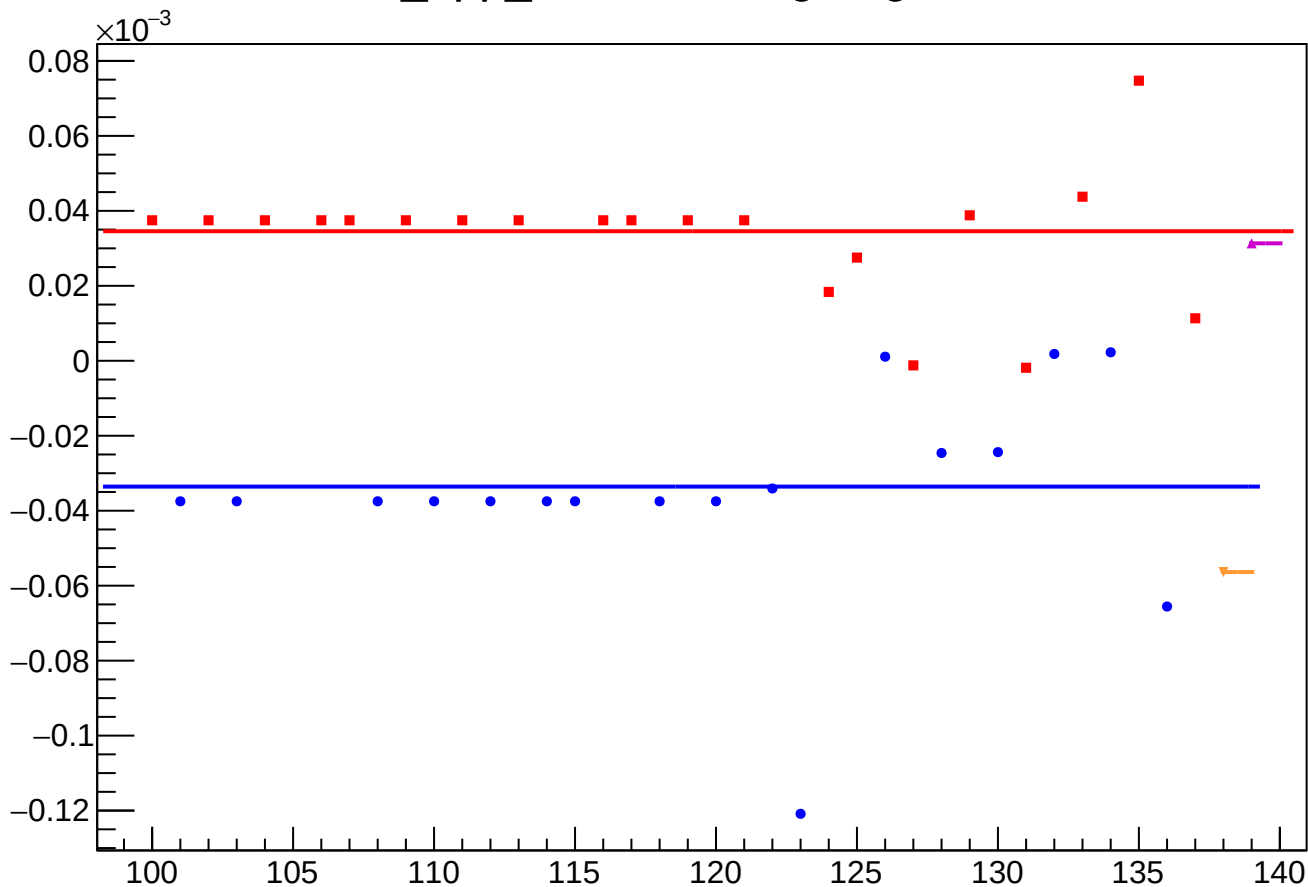
Left In: -2173.923+/-0.000 χ^2/NDF : 0.0/0

2173.788+/-0.000 χ^2/NDF : 2030135158933445

-69.868+/-0.000 χ^2/NDF : 752161460376

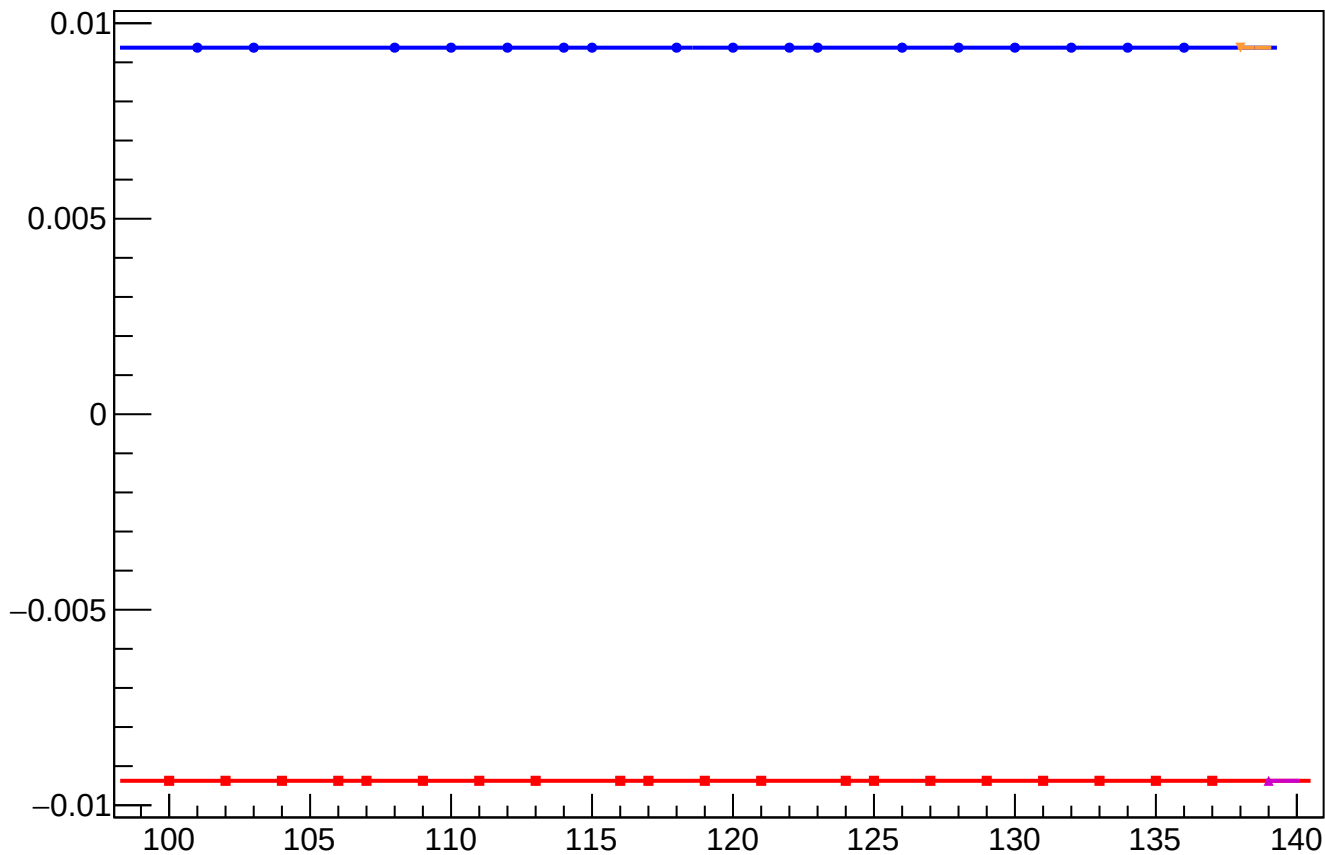
-2174.319+/-0.000 χ^2/NDF : 127698994611574

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000	χ^2/NDF : 261082170040518671597568.0/16	-0.000+/-0.000	χ^2/NDF : 297517139683144070
Left Out: -0.000+/-0.000	χ^2/NDF : 0.0/0	0.000+/-0.000	χ^2/NDF : 24609359169600
Right Out: 0.000+/-0.000	χ^2/NDF : 205320369613969110859776.0/19	0.000+/-0.000	χ^2/NDF : 2060237418161938869
Left In: 0.000+/-0.000	χ^2/NDF : 0.0/0		

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 : 0.0/0

Right Out: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/19

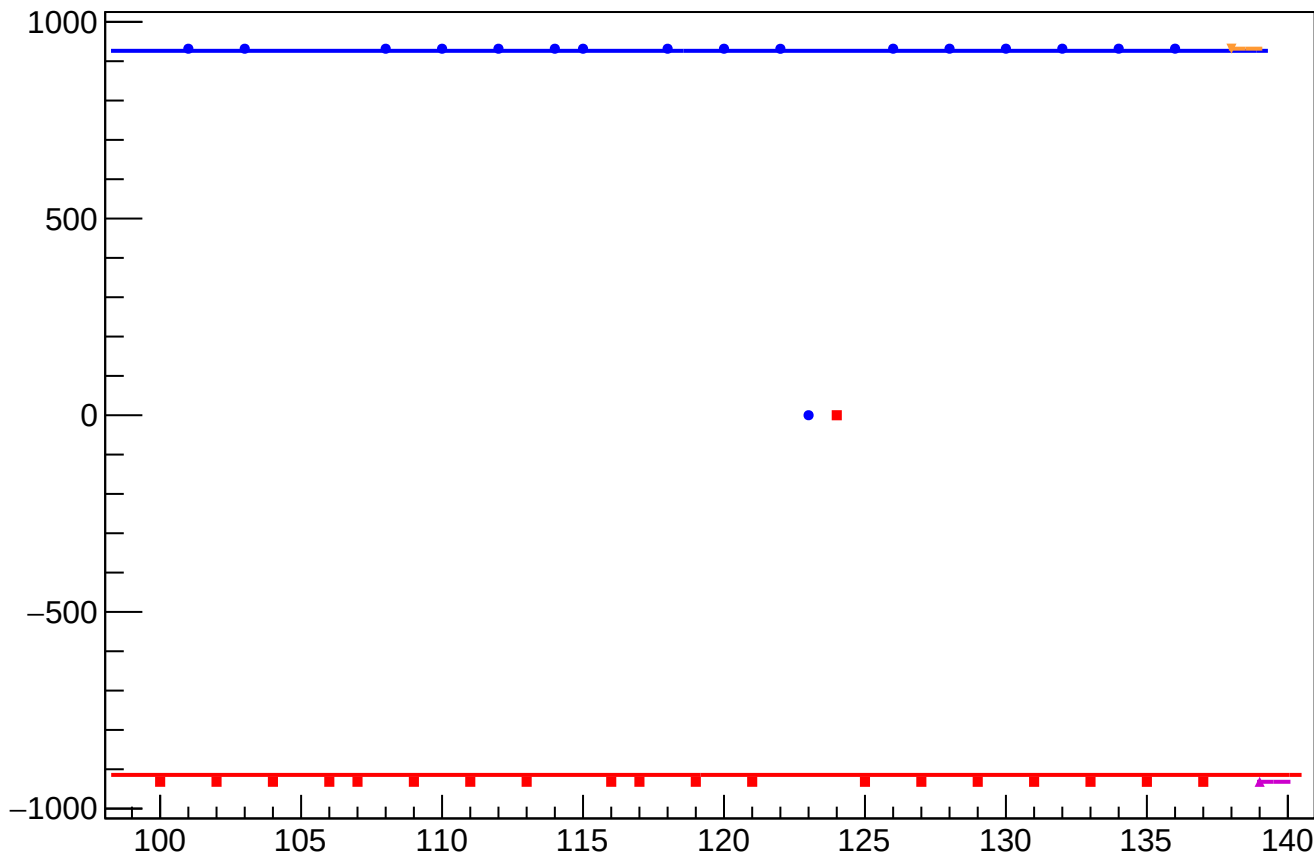
Left In: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/0

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/17

-0.000 $\pm$ 0.000 χ^2/NDF : 1398662605932

-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: 931.862+/-0.000 χ^2/NDF :1008126.4/0

Right Out: -914.329+/-0.000 χ^2/NDF : 11926383090568783667643627436949635072.0/19

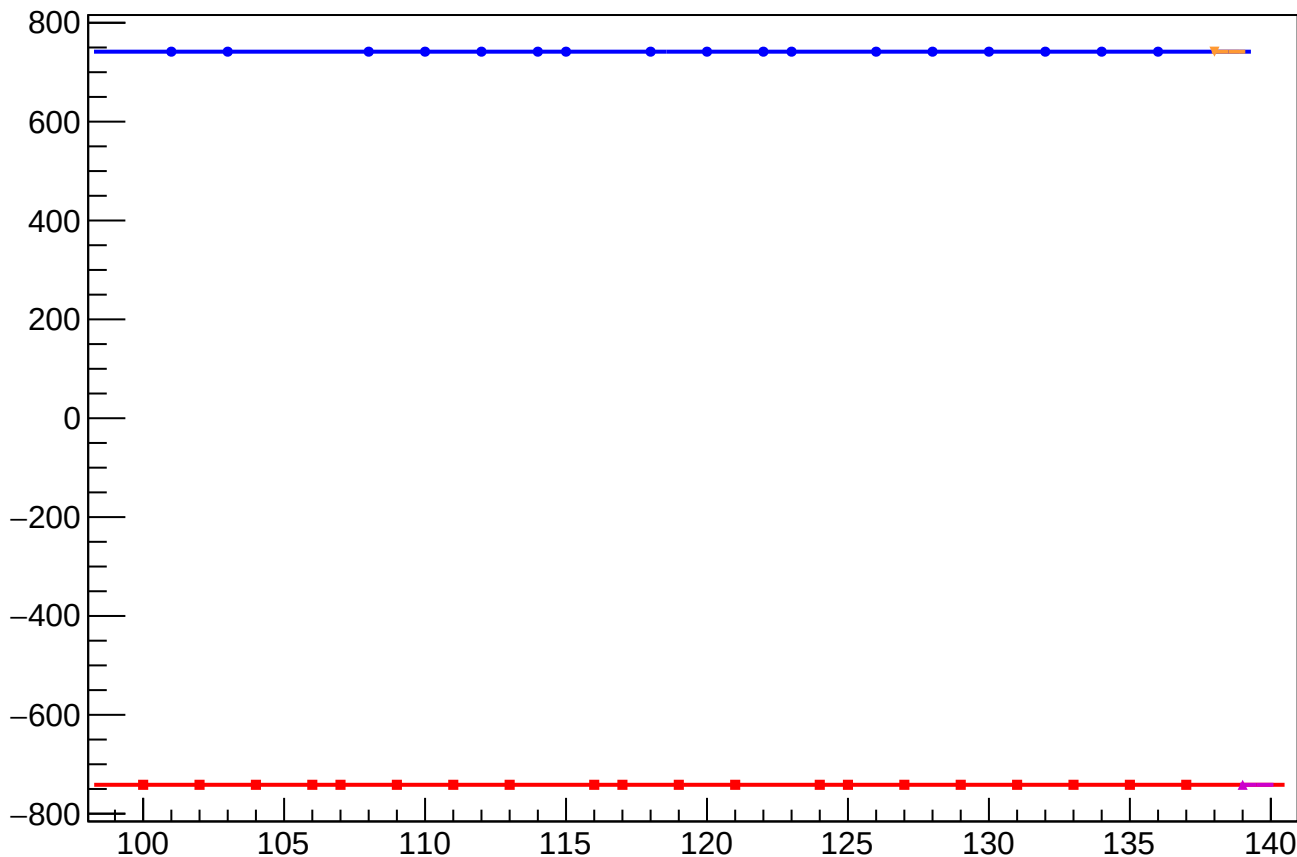
Left In: -931.867+/-0.000 χ^2/NDF :0.0/0

926.940+/-0.000 χ^2/NDF : 34545701863542760

-23.983+/-0.000 χ^2/NDF : 136650829558

-915.908+/-0.000 χ^2/NDF : 1194709537752892

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.532+/-0.000 χ^2/NDF : 32849351469491643197637525504.0/16

Left Out: 741.519+/-0.000 χ^2/NDF : 1008126.4/0

Right Out: -741.533+/-0.000 χ^2/NDF : 28343010063633014145849229312.0/19

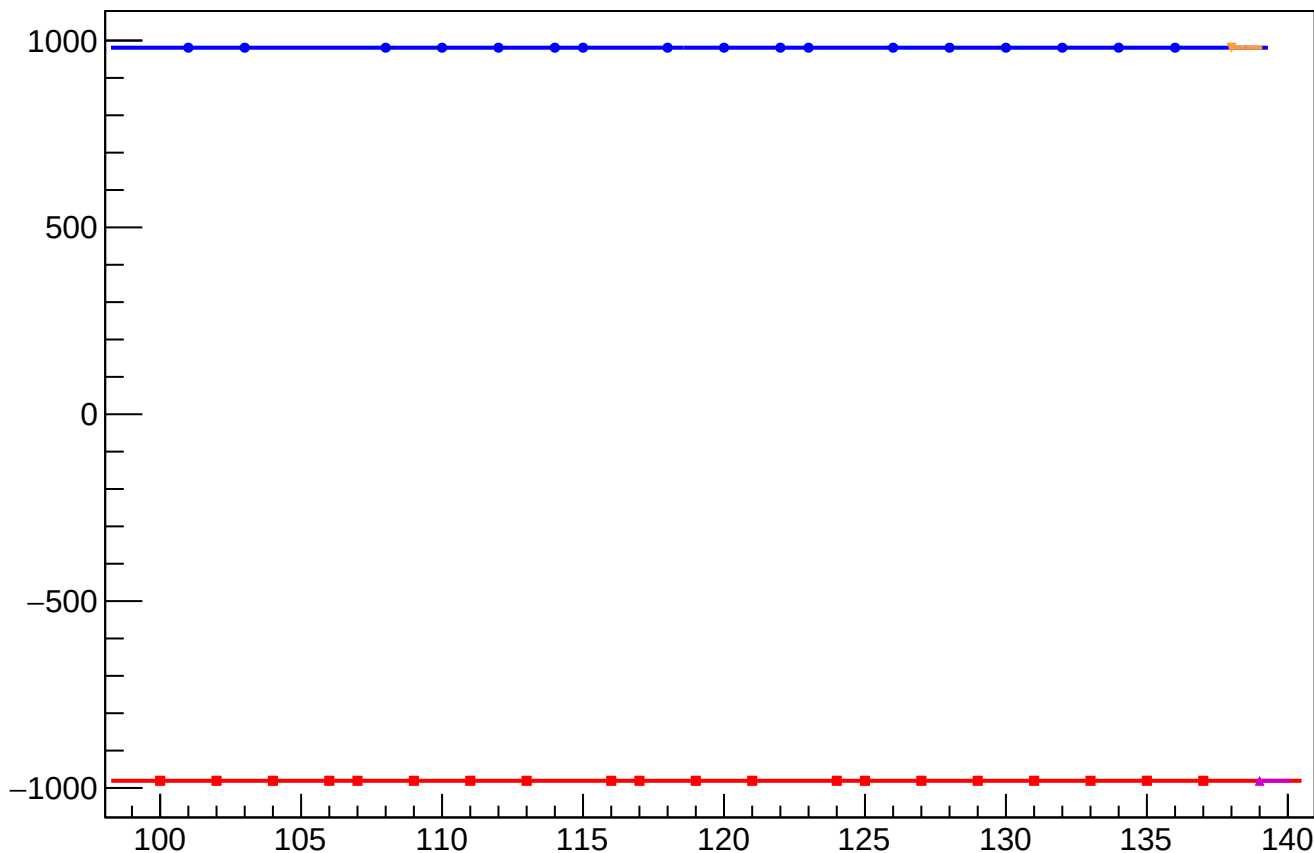
Left In: -741.522+/-0.000 χ^2/NDF : 956427.6/0

741.531+/-0.000 χ^2/NDF : 44339309344121583

-23.741+/-0.000 χ^2/NDF : 8750433710883

-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: 980.758+/-0.000 χ^2/NDF :1008126.4/0

Right Out: -980.826+/-0.000 χ^2/NDF : 179755692387407514348787073024.0/19

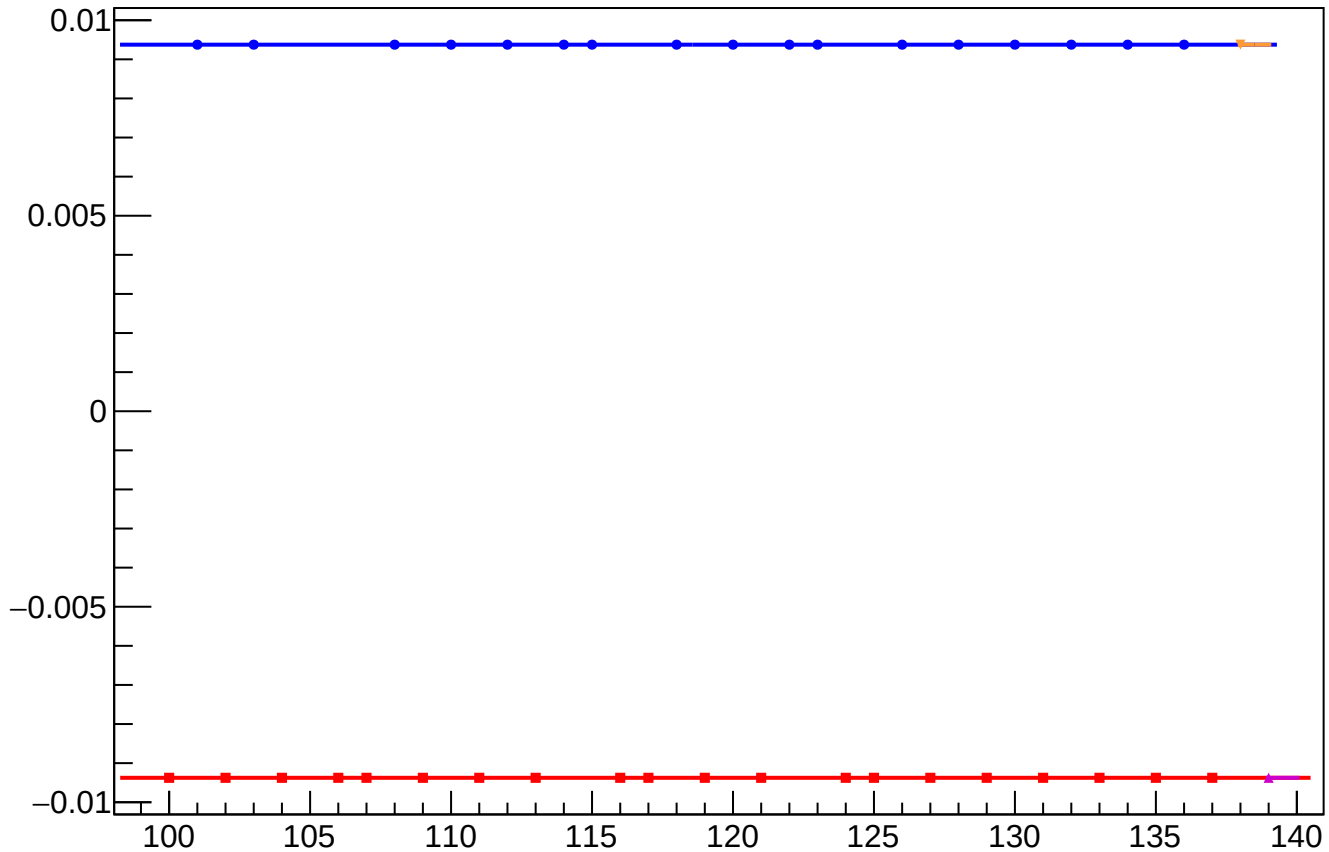
Left In: -980.760+/-0.000 χ^2/NDF :0.0/0

980.822+/-0.000 χ^2/NDF : 51604463857893202

-31.400+/-0.000 χ^2/NDF : 153091080988

-980.820+/-0.000 χ^2/NDF : 4710053285623009

MQ172RM_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: 0.0/0

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

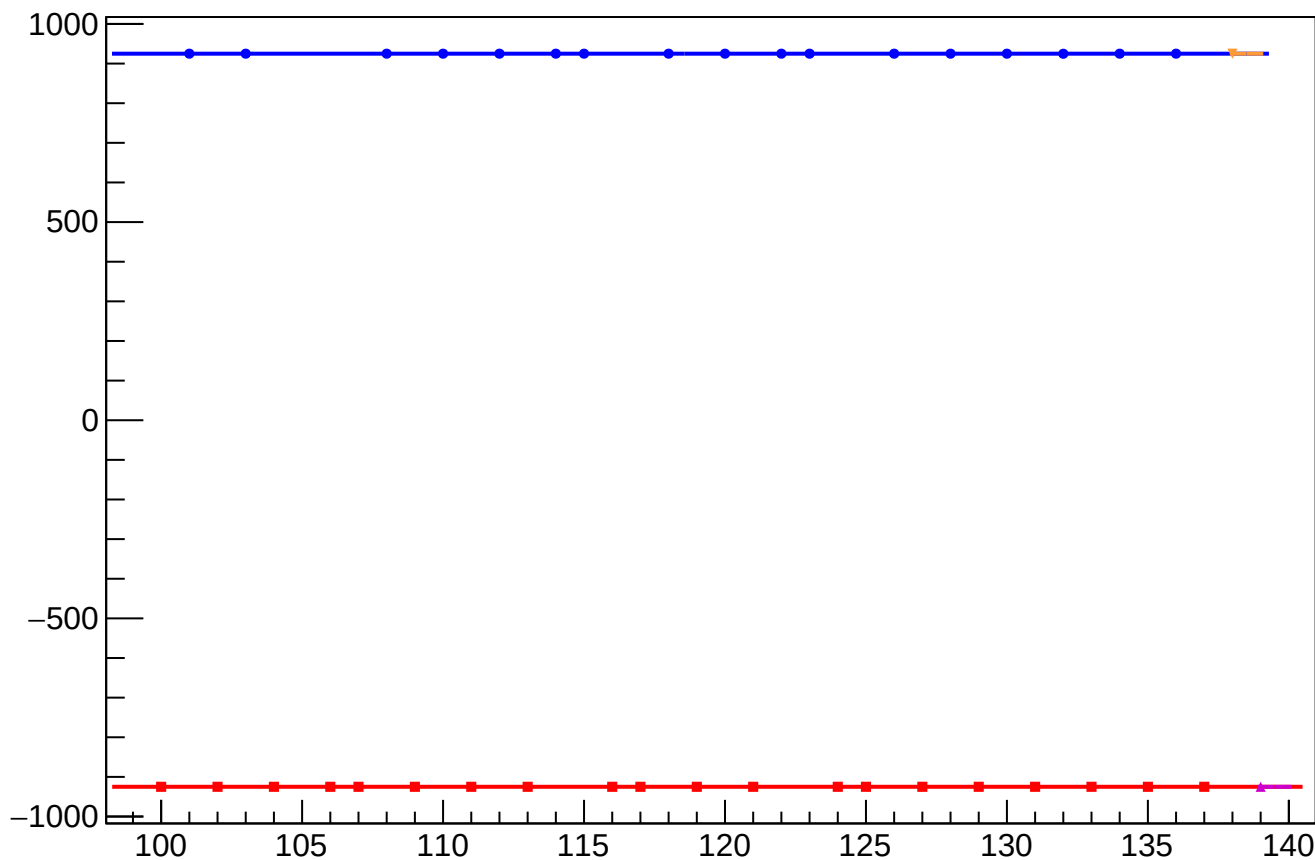
Left In: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

-0.000 $\pm$ 0.000 χ^2 /NDF: 1398662605932

-0.009 $\pm$ 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: 924.958+/-0.000 χ^2/NDF : 0.0/0

Right Out: -924.960+/-0.000 χ^2/NDF : 77324010756500300508572942336.0/19

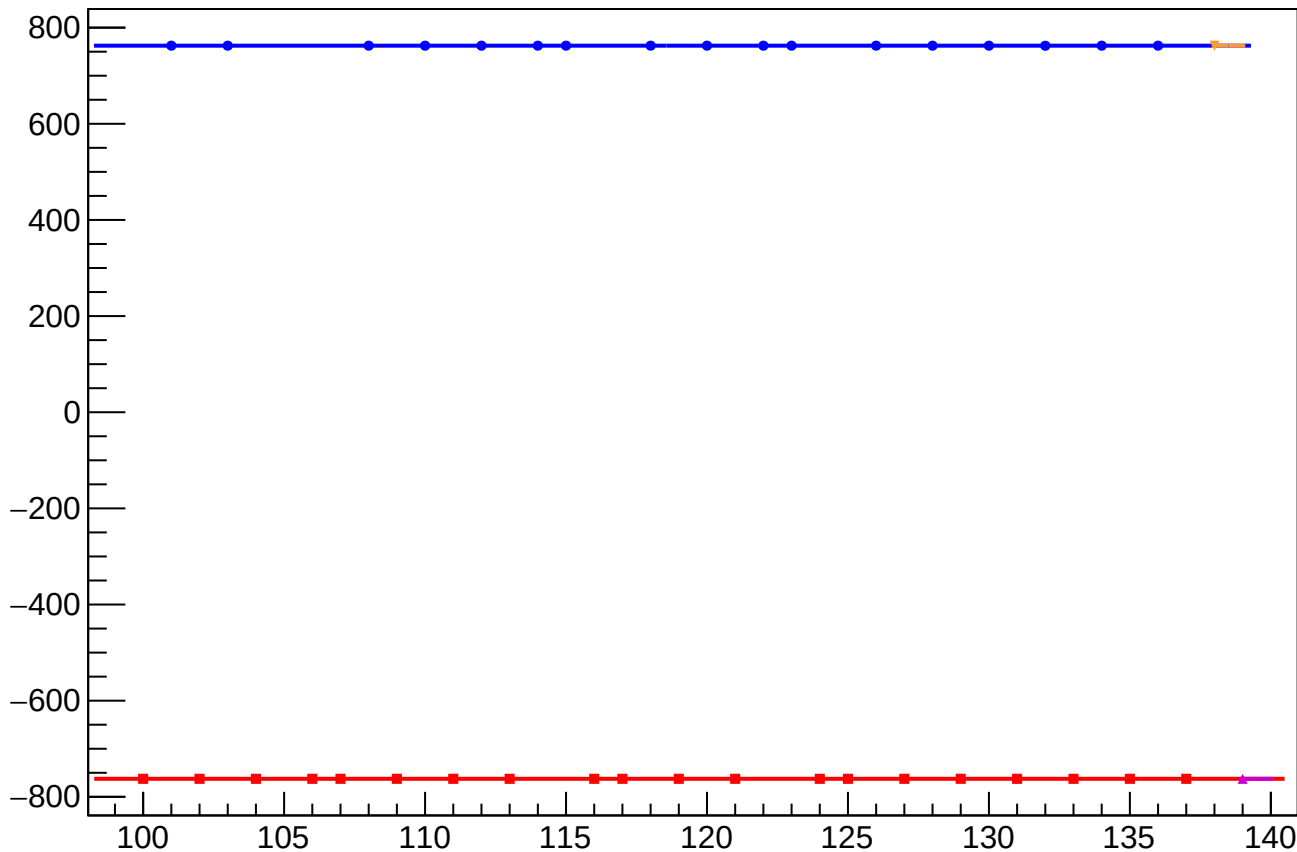
Left In: -924.980+/-0.000 χ^2/NDF : 0.0/0

924.952+/-0.000 χ^2/NDF : 14980078739074664

-29.618+/-0.000 χ^2/NDF : 1361486803274

-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: 762.501+/-0.000 χ^2/NDF : 0.0/0

Right Out: -762.502+/-0.000 χ^2/NDF : 671534847335234231068524544.0/19

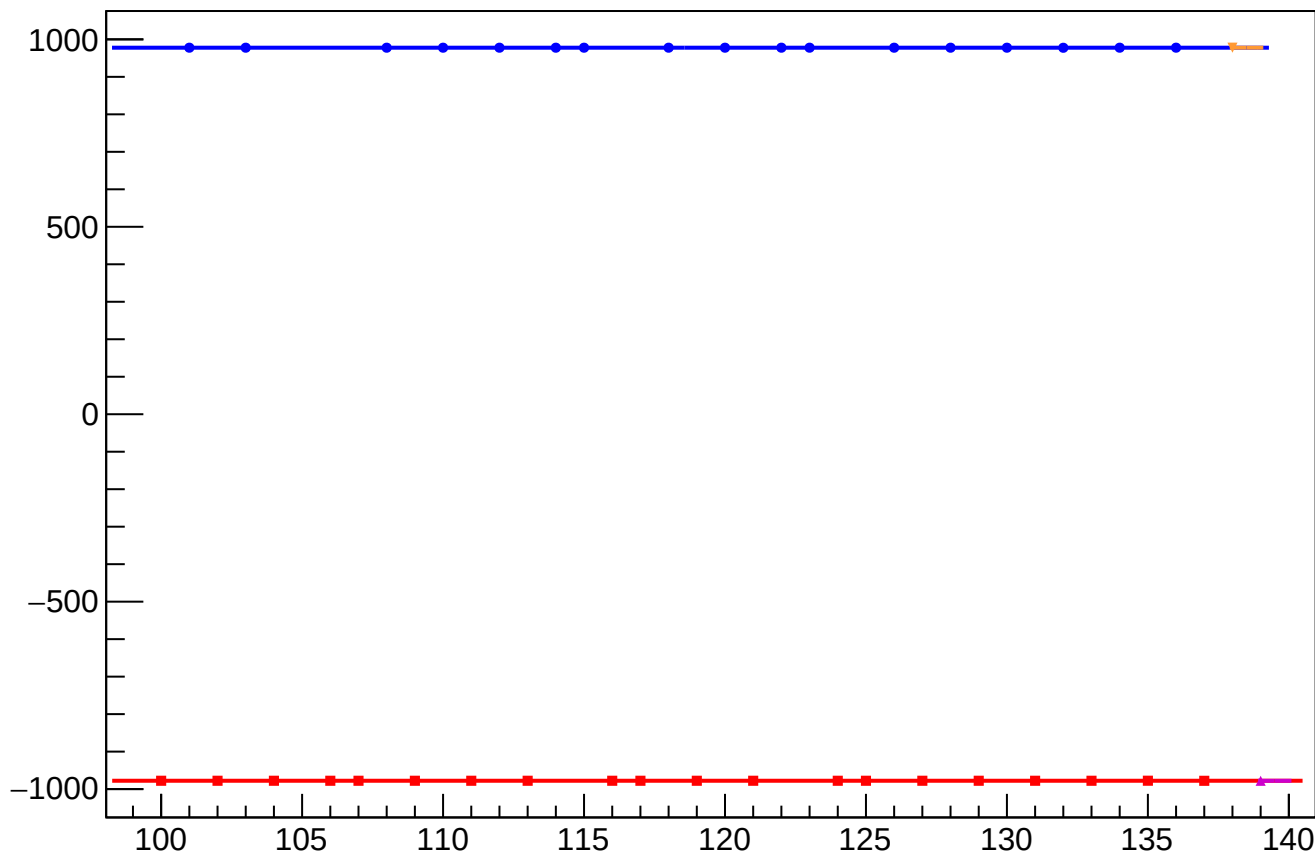
Left In: -762.497+/-0.000 χ^2/NDF : 956427.6/0

762.494+/-0.000 χ^2/NDF : 84908992311062310

-24.415+/-0.000 χ^2/NDF : 9252250713810

-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: 977.822+/-0.000 χ^2/NDF : 0.0/0

Right Out: -977.742+/-0.000 χ^2/NDF : 786821948031030942922994352128.0/19

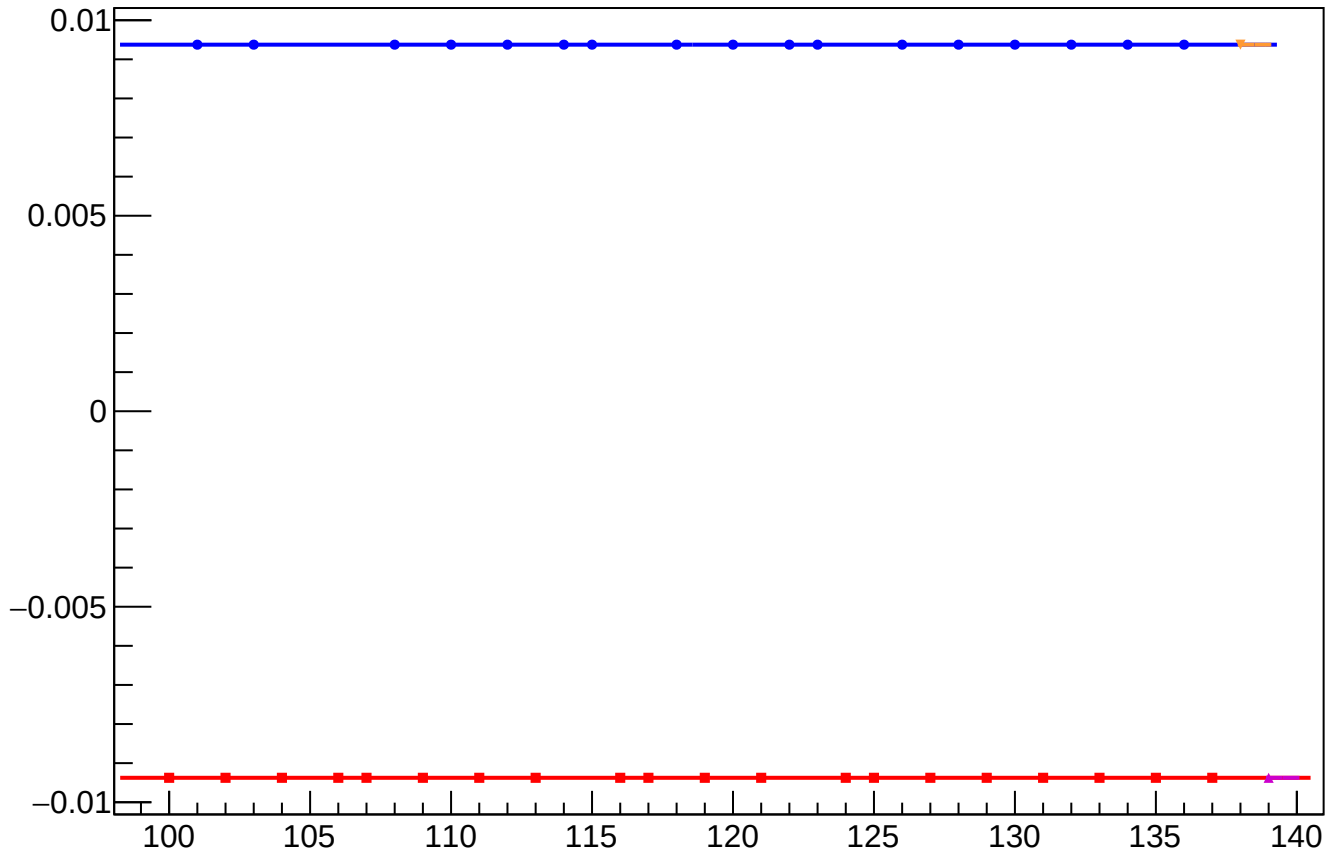
Left In: -977.840+/-0.000 χ^2/NDF : 0.0/0

977.751+/-0.000 χ^2/NDF : 21767845314705650

-31.303+/-0.000 χ^2/NDF : 152134270822

-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 : 0.0/0

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/19

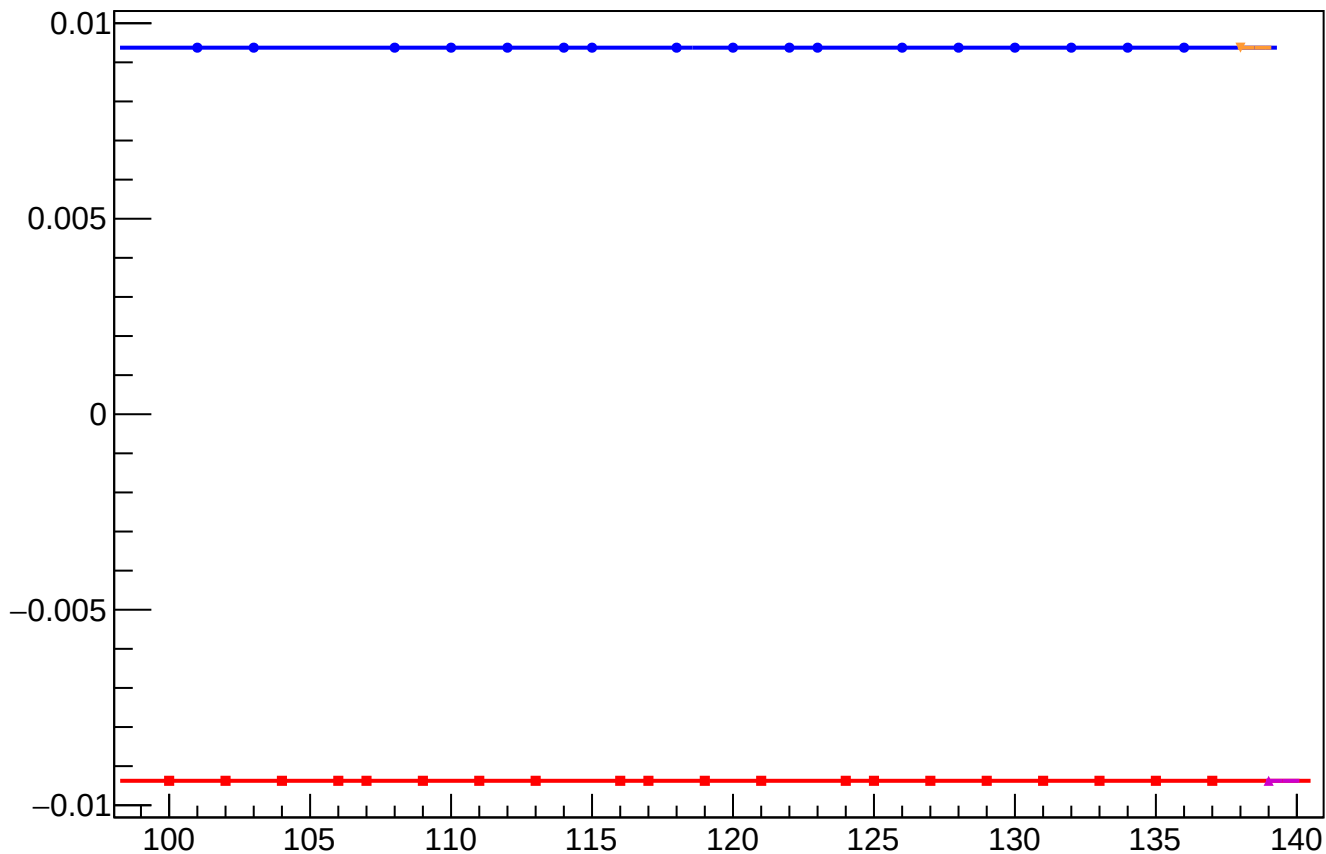
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/0

0.009+/-0.000 χ^2/NDF : 0.1/17

-0.000+/-0.000 χ^2/NDF : 1398662605932

-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 : 0.0/0

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/19

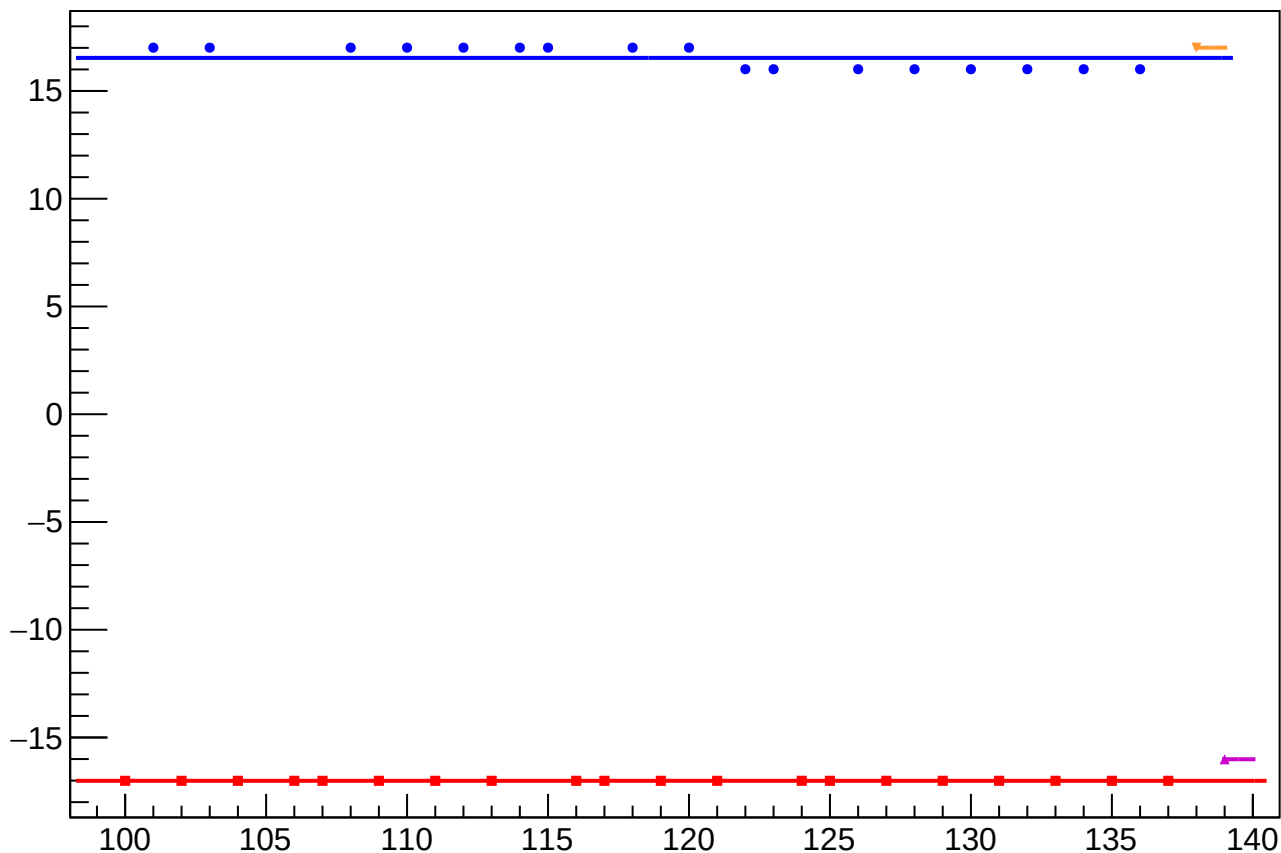
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/0

0.009+/-0.000 χ^2/NDF : 0.1/17

-0.000+/-0.000 χ^2/NDF : 1398662605932

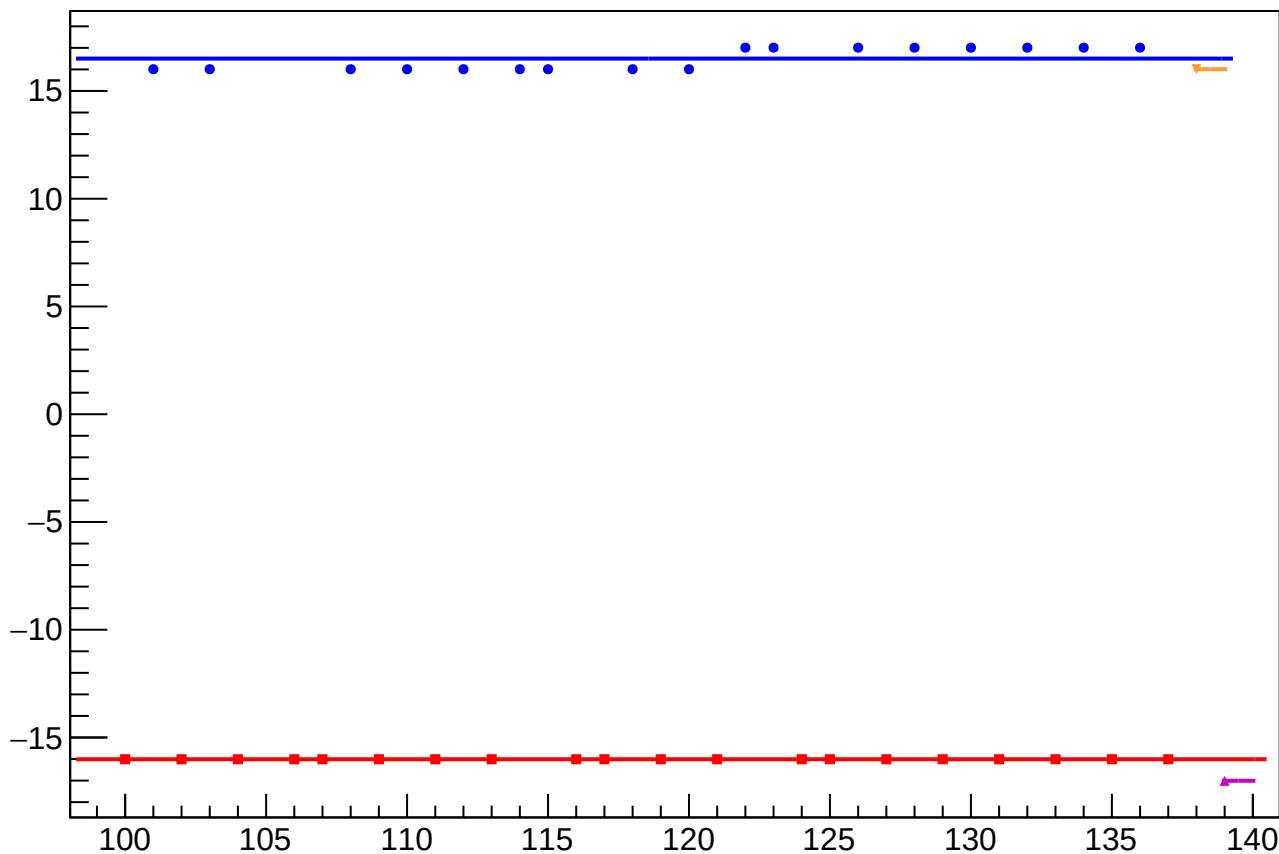
-0.009+/-0.000 χ^2/NDF : 0.0/20

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: 0.0/0
 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 : 0.0/0

Right Out: -16.009+/-0.000 χ^2/NDF : 51711.4/19

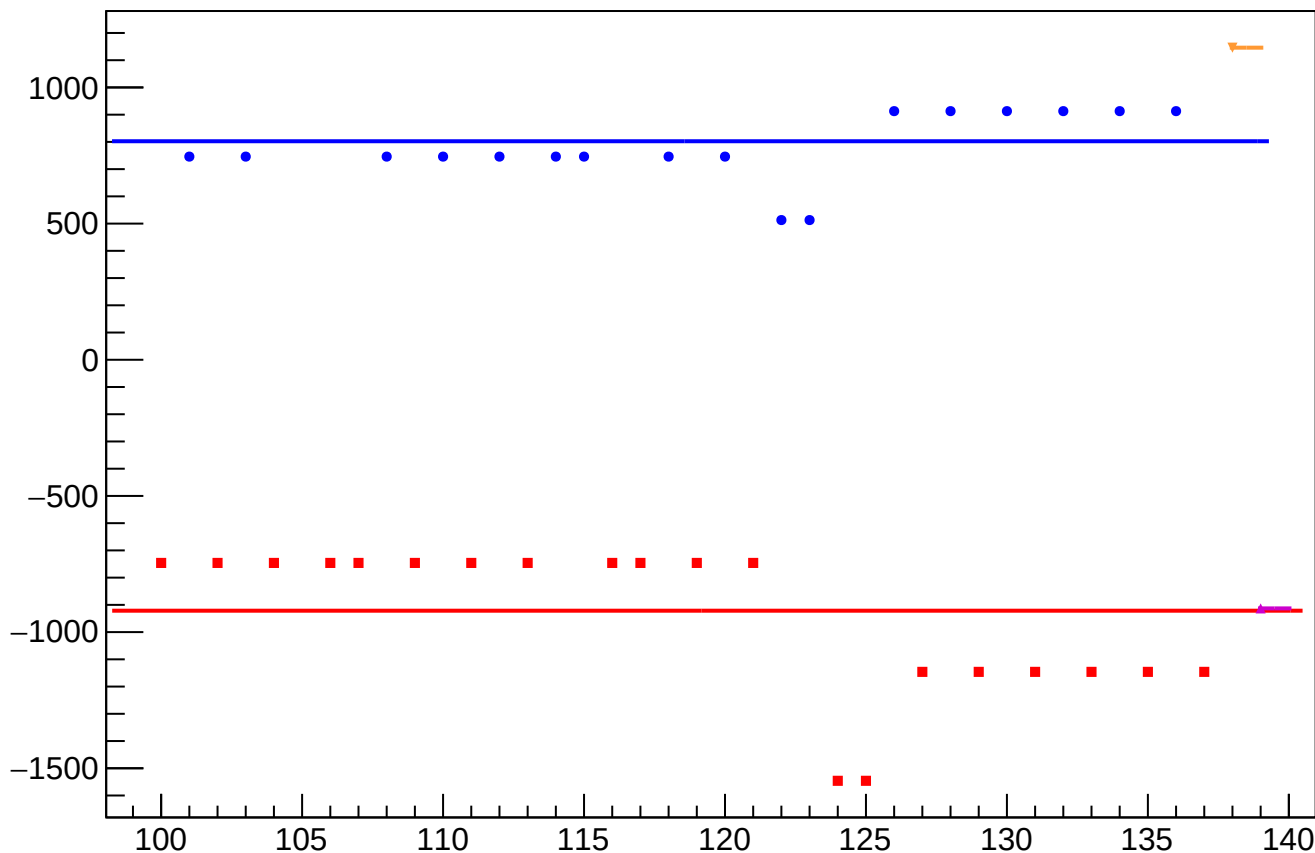
Left In: -17.009+/-0.000 χ^2/NDF : 0.0/0

16.453+/-0.000 χ^2/NDF : 190295719844347263

-0.344+/-0.000 χ^2/NDF : 4218329961594

-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: 1146.013+/-0.000 χ^2/NDF : 0.0/0

Right Out: -921.400+/-0.000 χ^2/NDF : 44830922812168808267288896825047646208.0/19

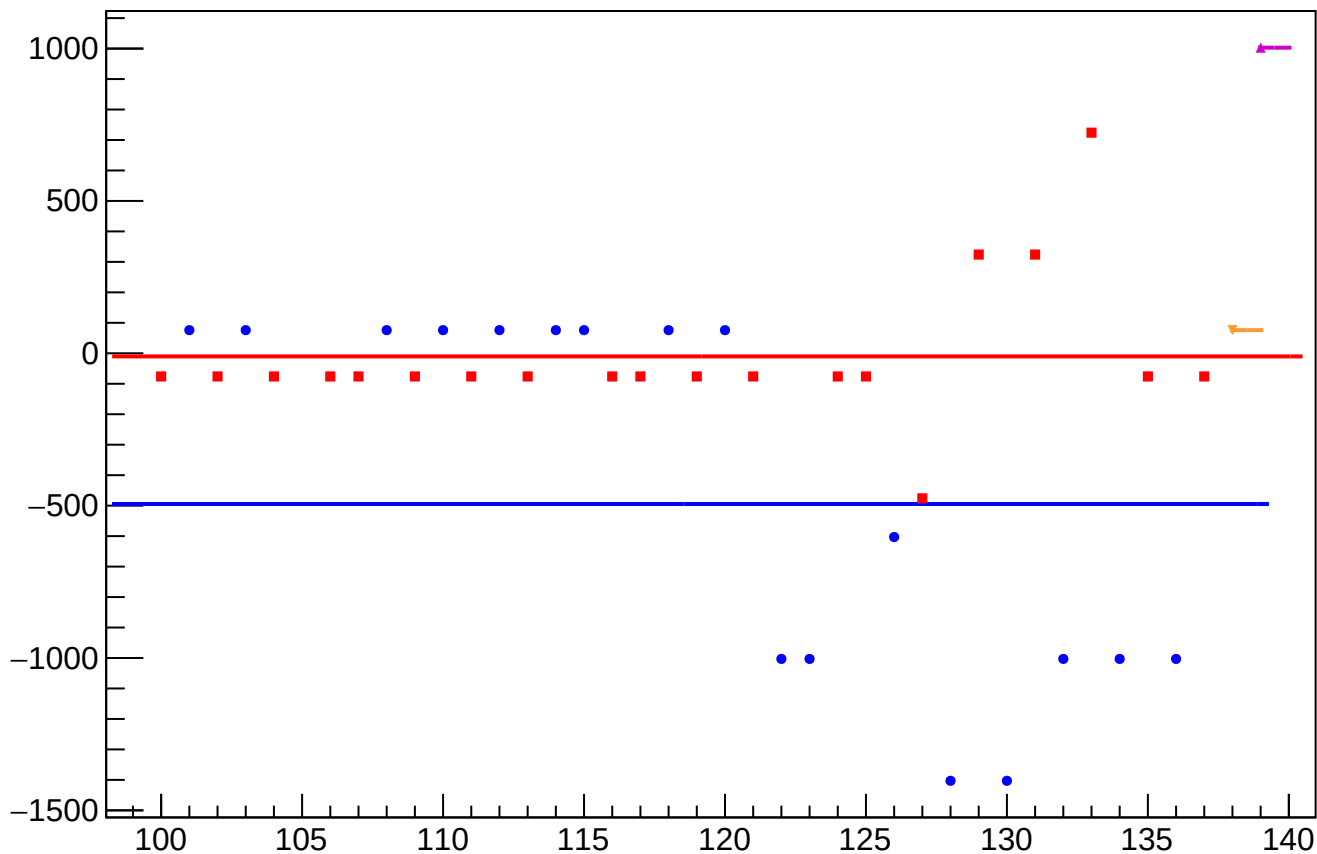
Left In: -912.991+/-0.000 χ^2/NDF : 956427.6/0

837.192+/-0.000 χ^2/NDF : 16794692566989437

-69.864+/-0.000 χ^2/NDF : 129095508818

-920.643+/-0.000 χ^2/NDF : 4483568441017770

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -494.579+/-0.000 χ^2/NDF : 253199546676747861412476401848126799872.0/16

Left Out: 76.009+/-0.000 χ^2/NDF : 0.0/0

Right Out: -10.233+/-0.000 χ^2/NDF : 43963419681025124833204803444750155776.0/19

Left In: 1002.991+/-0.000 χ^2/NDF : 956427.6/0

-436.854+/-0.000 χ^2/NDF : 2760249548257486

-169.647+/-0.000 χ^2/NDF : 495801965104

80.982+/-0.000 χ^2/NDF : 113094408193946870