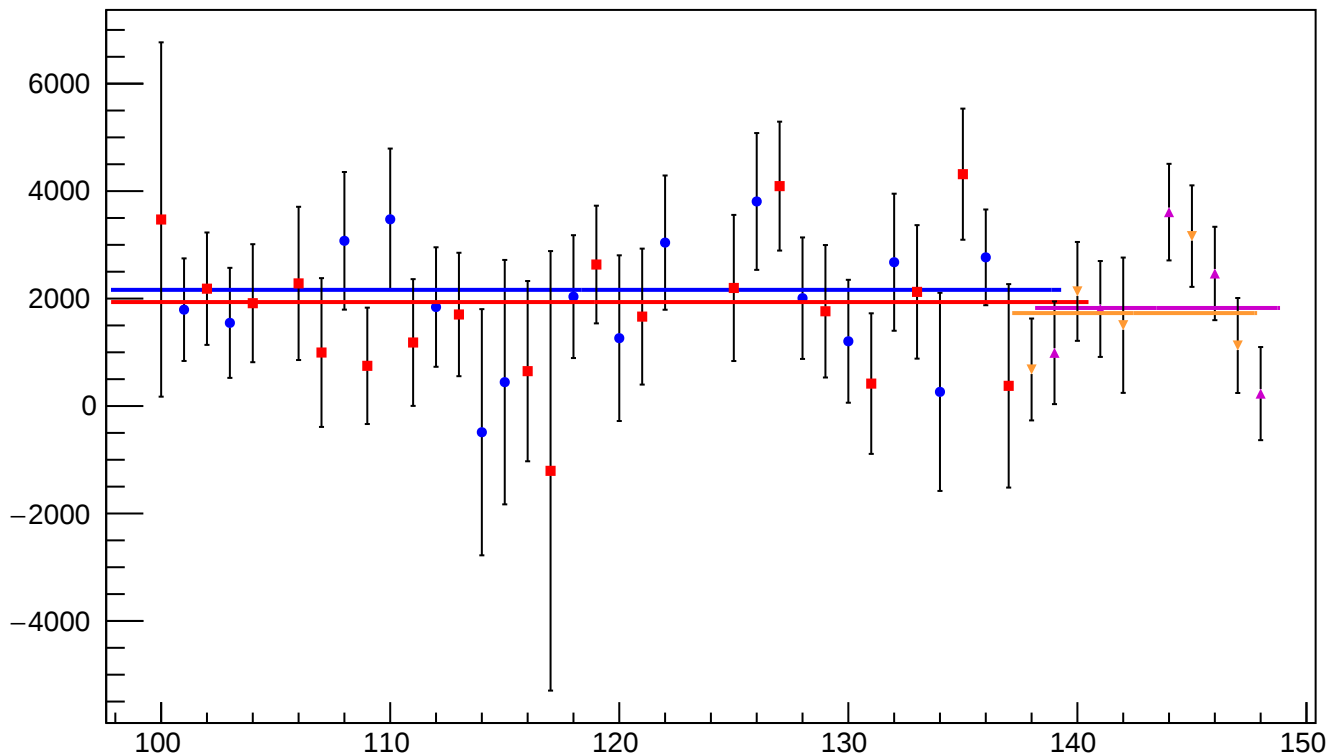


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1729.973+/-433.352

χ^2/NDF : 4.2/4

Right Out: 1935.183+/-299.773

χ^2/NDF : 13.2/18

Left In: 1825.107+/-400.177

χ^2/NDF : 8.6/4

2017.643+/-250.677

χ^2/NDF : 13.8/20

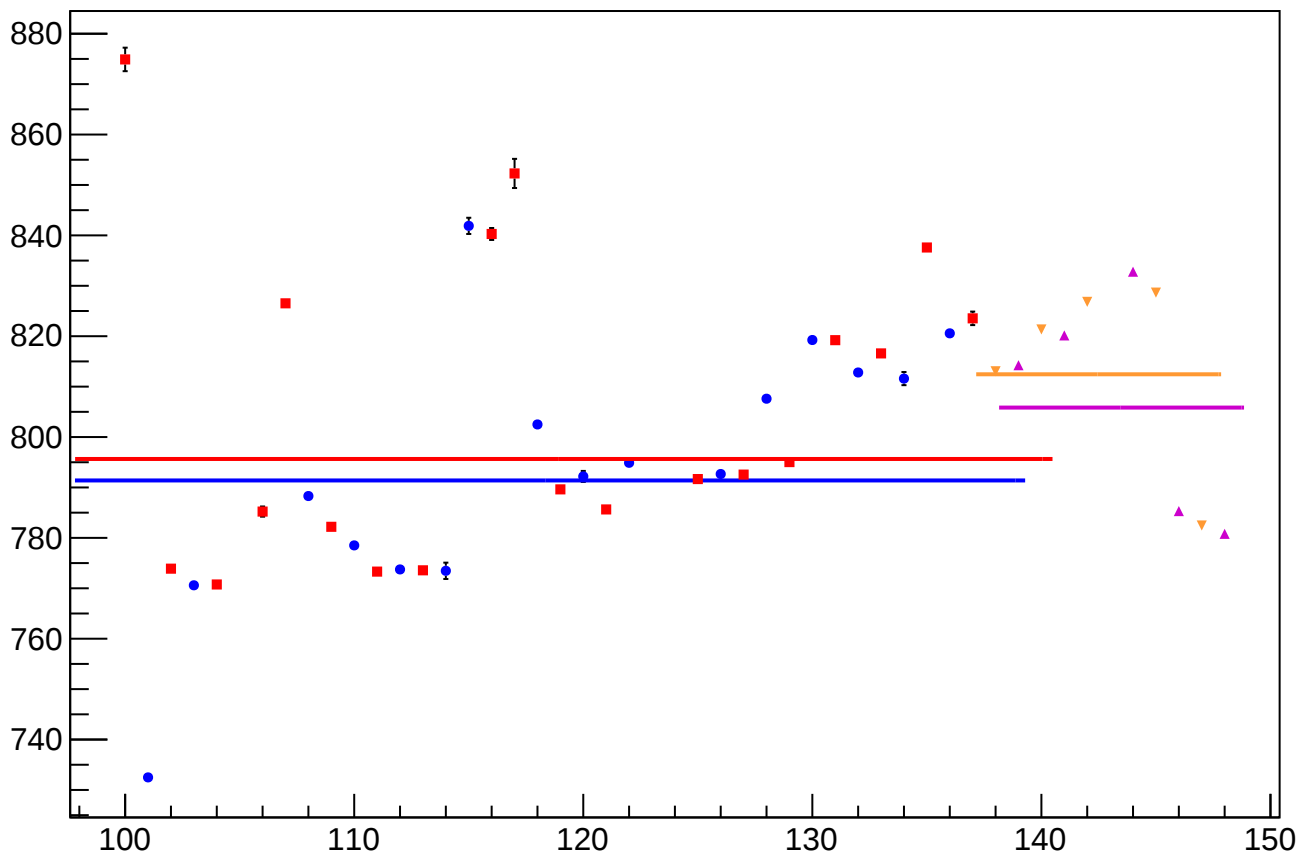
1953.956+/-173.328

χ^2/NDF : 35.8/44

1895.617+/-239.922

χ^2/NDF : 21.9/23

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 812.448+/-0.306 χ^2/NDF : 3338.8/4

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

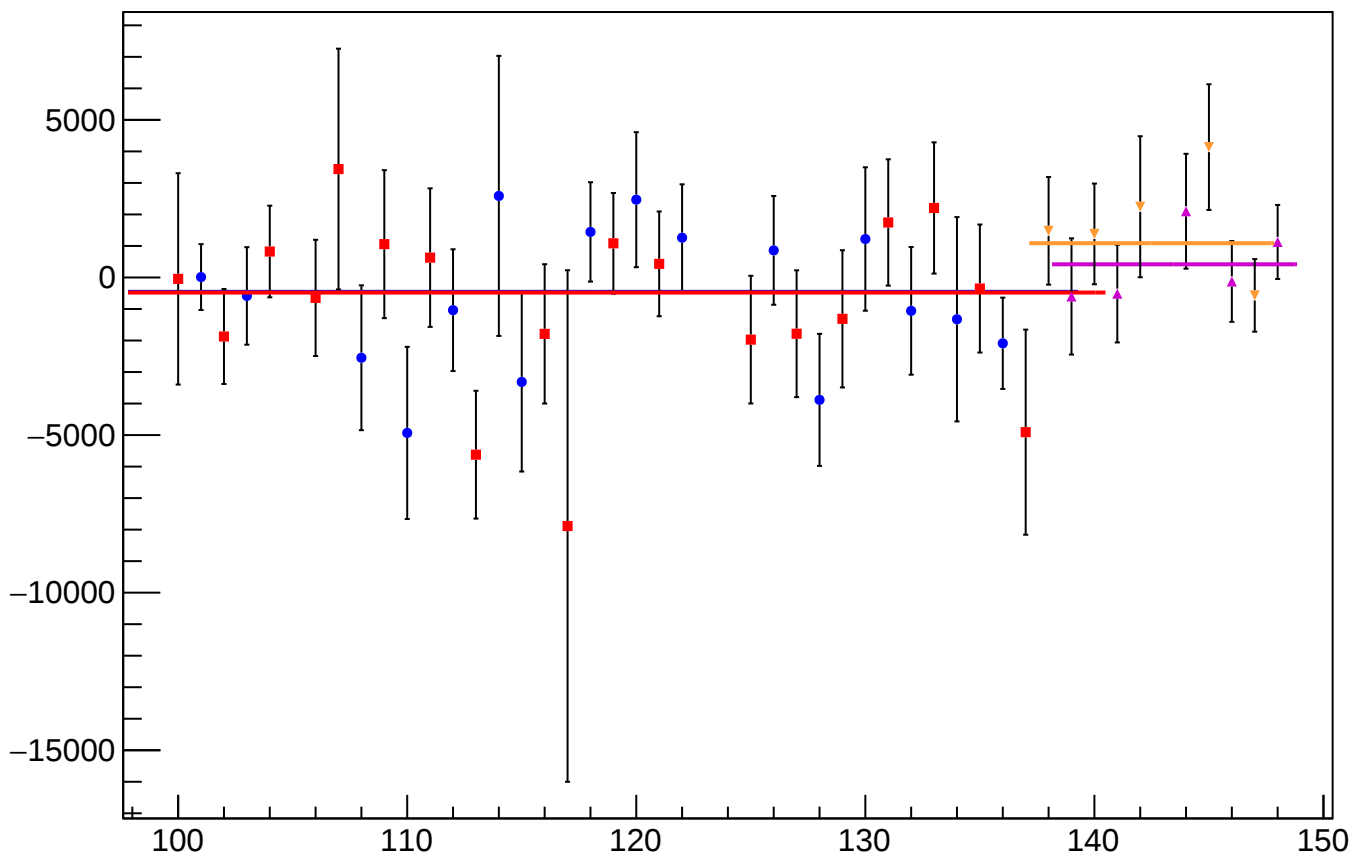
Left In: 805.843+/-0.283 χ^2/NDF : 5254.2/4

798.437+/-0.177 χ^2/NDF : 21489.3/20

798.895+/-0.123 χ^2/NDF : 39532.7/44

799.314+/-0.170 χ^2/NDF : 18030.7/23

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 1087.640+/-718.056 χ^2/NDF : 4.8/4

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

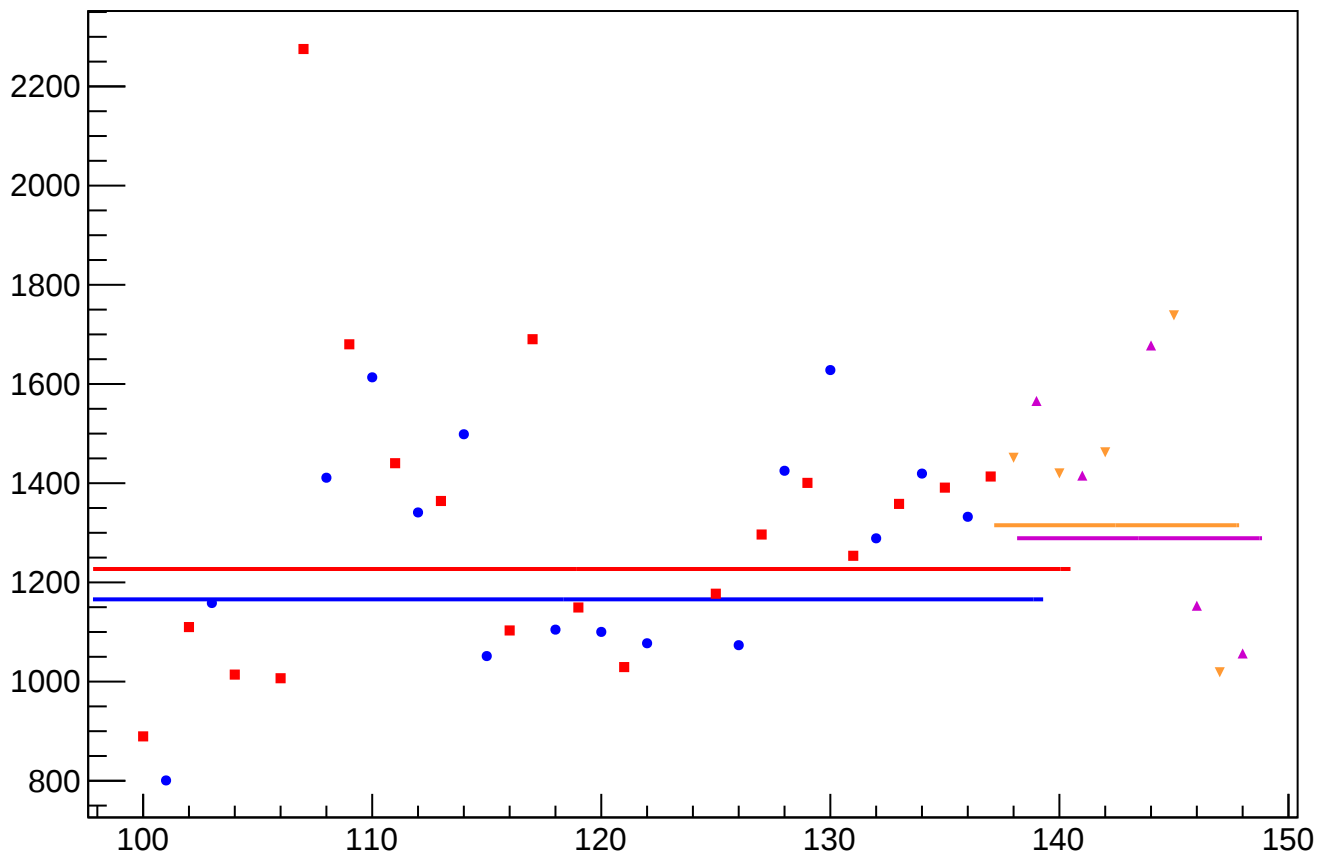
Left In: 418.355+/-652.808 χ^2/NDF : 2.1/4

-0.752+/-389.852 χ^2/NDF : 22.9/20

-87.079+/-273.021 χ^2/NDF : 44.4/44

-170.169+/-382.473 χ^2/NDF : 21.5/23

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1315.234 $\pm$ 0.508 χ^2/NDF : 252438.1/4

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

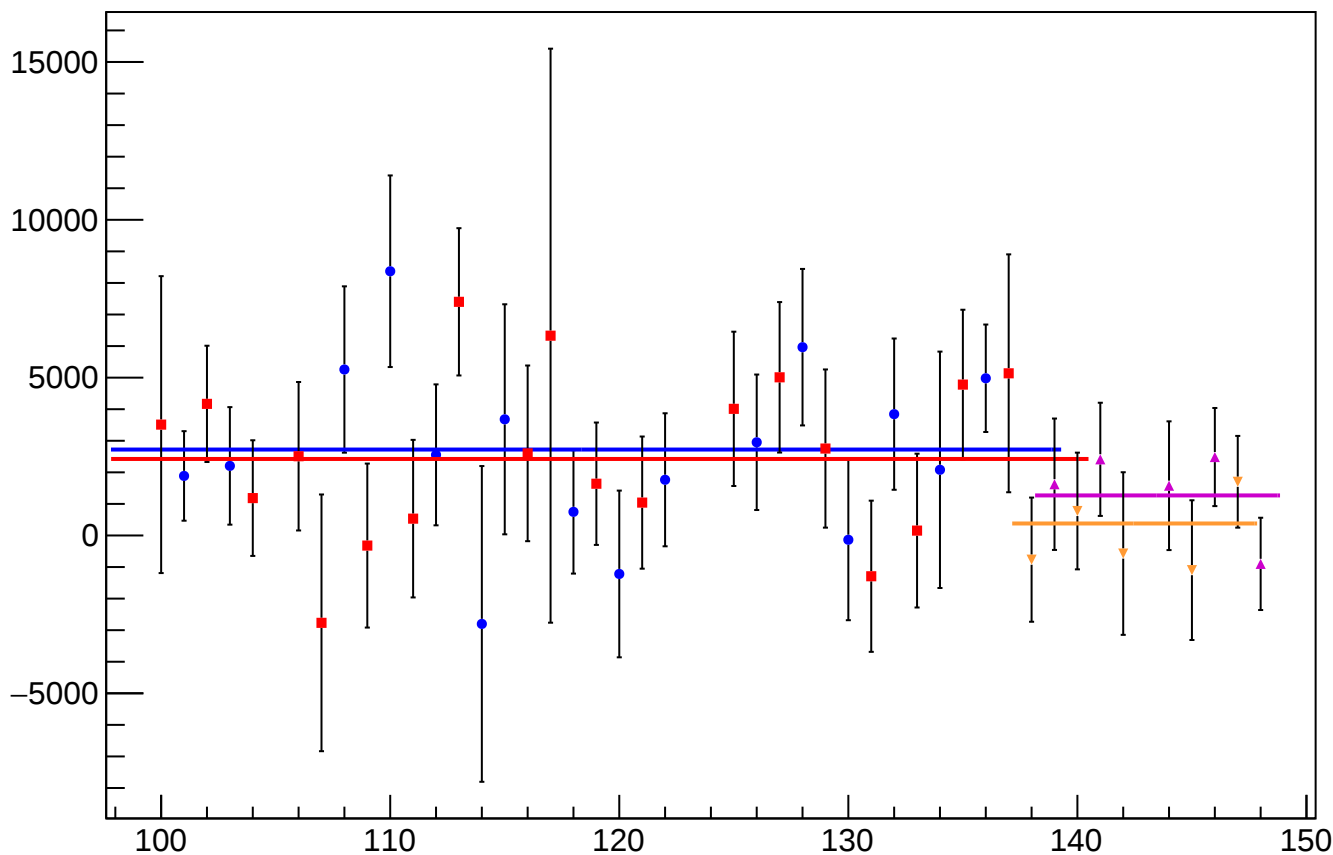
Left In: 1289.048 $\pm$ 0.462 χ^2/NDF : 250202.1/4

1209.857 $\pm$ 0.276 χ^2/NDF : 840315.5/20

1229.452 $\pm$ 0.193 χ^2/NDF : 1559252.8/44

1248.312 $\pm$ 0.270 χ^2/NDF : 709021.3/23

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 379.740 $\pm$ 851.406 χ^2 /NDF:1.8/4

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

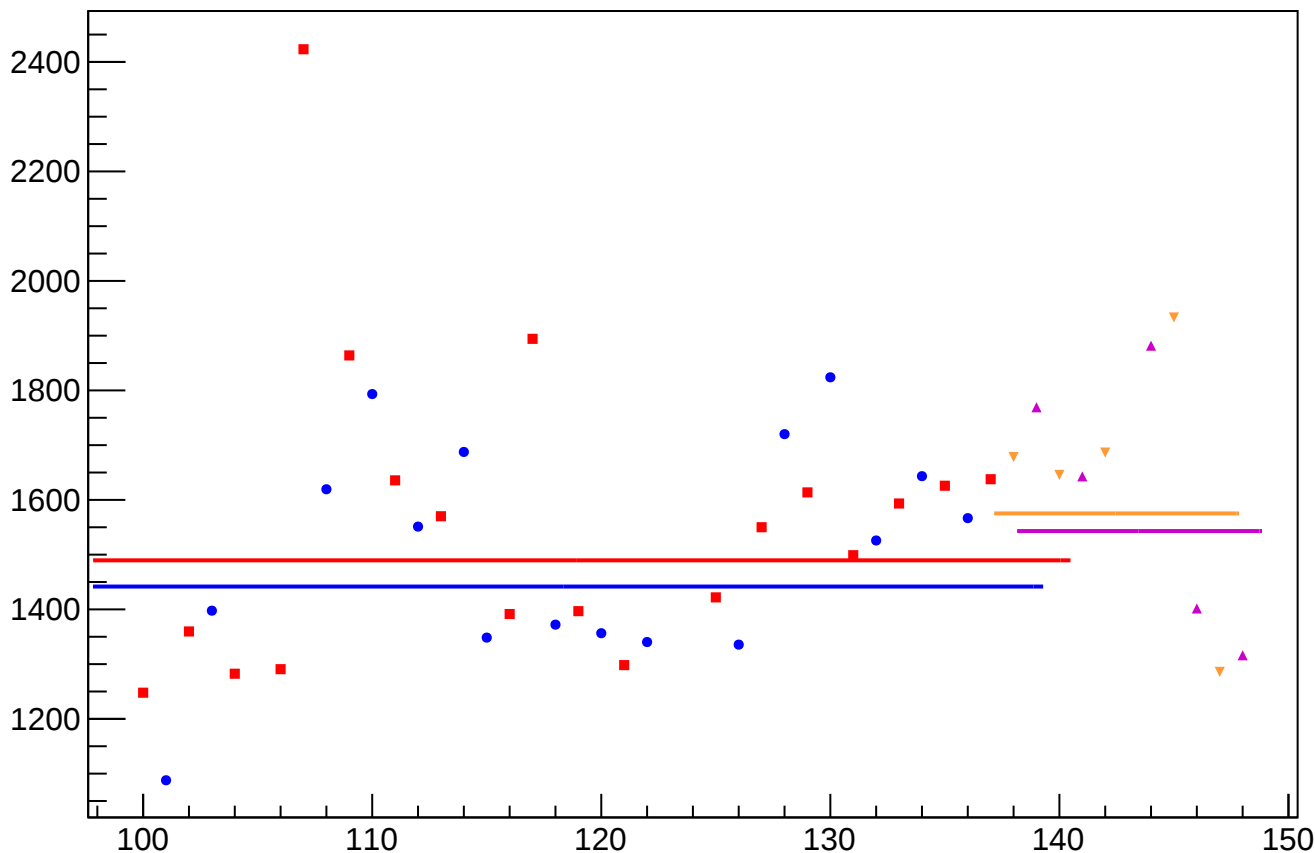
Left In: 1268.696 $\pm$ 775.088 χ^2 /NDF:3.3/4

2002.310 $\pm$ 472.015 χ^2 /NDF: 21.6/20

2011.574 $\pm$ 328.728 χ^2 /NDF: 42.8/44

2020.299 $\pm$ 458.080 χ^2 /NDF: 21.2/23

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1575.257 $\pm$ 0.602 χ^2/NDF : 143738.6/4

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

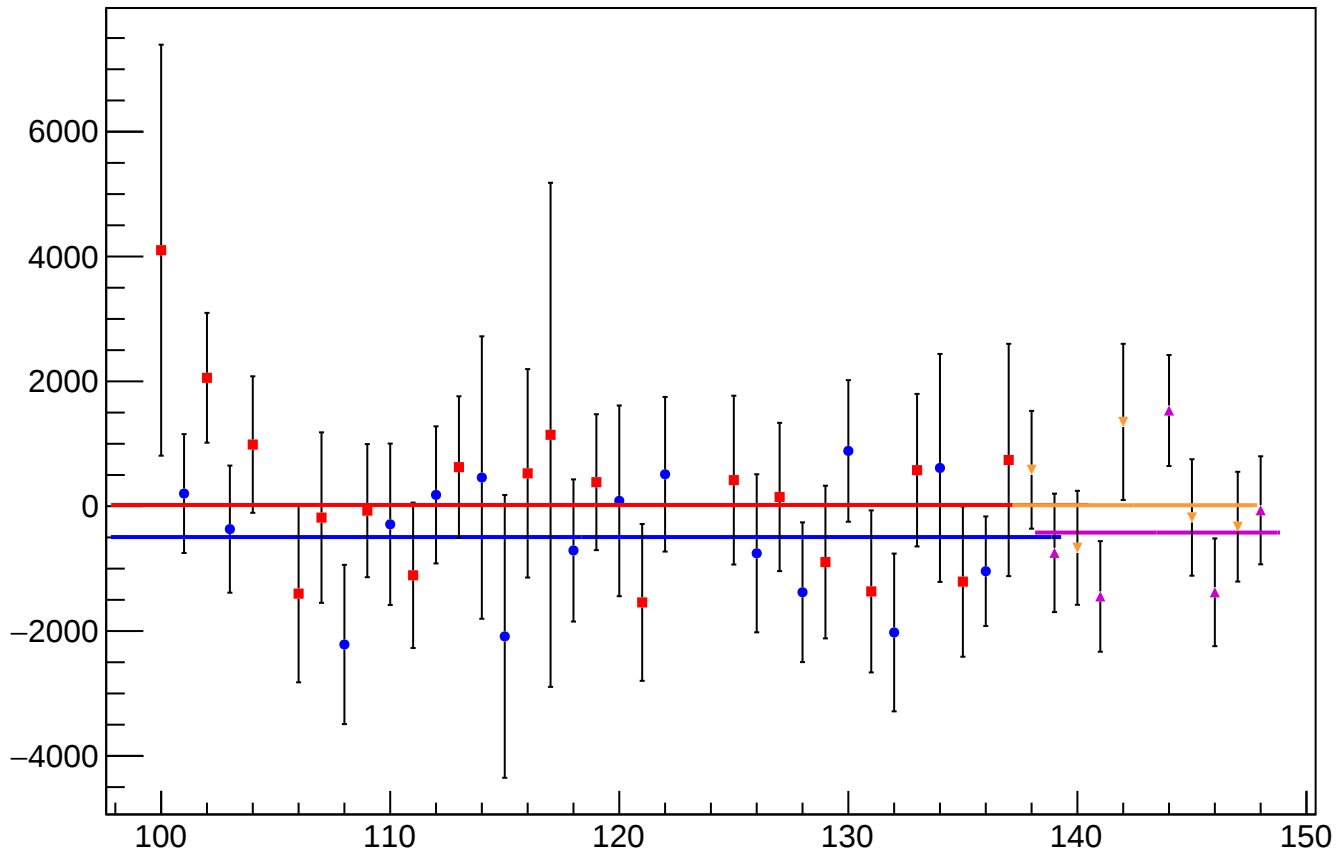
Left In: 1543.077 $\pm$ 0.548 χ^2/NDF : 149726.5/4

1482.763 $\pm$ 0.334 χ^2/NDF : 453719.1/20

1495.907 $\pm$ 0.232 χ^2/NDF : 872765.4/44

1508.285 $\pm$ 0.324 χ^2/NDF : 416035.3/23

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -494.223 ± 304.644 $\chi^2/\text{NDF}: 8.7/15$

Left Out: 16.338 ± 430.151 $\chi^2/\text{NDF}: 2.3/4$

Right Out: 19.622 ± 296.930 $\chi^2/\text{NDF}: 13.4/18$

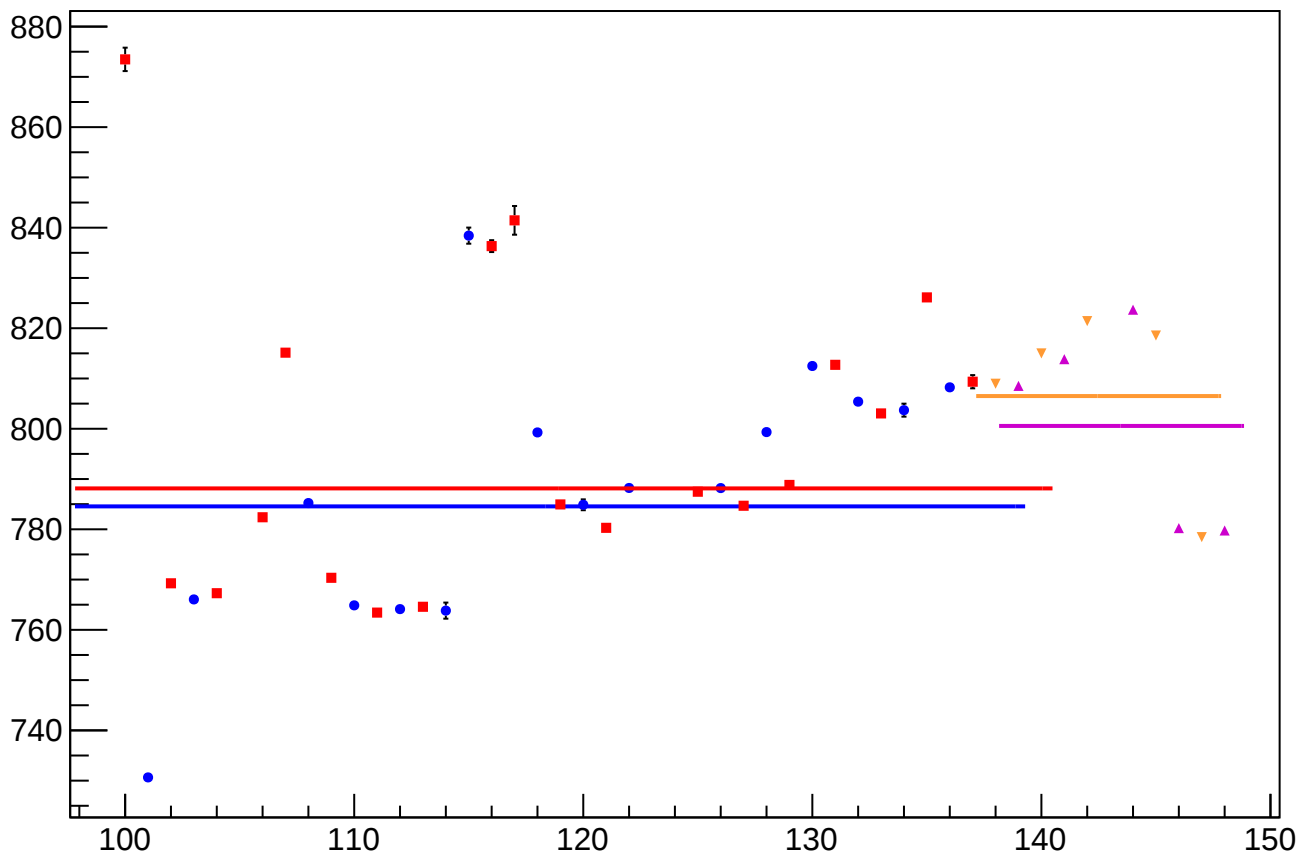
Left In: -422.150 ± 397.514 $\chi^2/\text{NDF}: 7.7/4$

-323.677 ± 248.610 $\chi^2/\text{NDF}: 11.8/20$

-227.058 ± 171.878 $\chi^2/\text{NDF}: 34.0/44$

-138.592 ± 237.890 $\chi^2/\text{NDF}: 21.9/23$

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 784.558 ± 0.215 $\chi^2/\text{NDF}: 13677.7/15$

Left Out: 806.505 ± 0.304 $\chi^2/\text{NDF}: 2840.5/4$

Right Out: 788.134 ± 0.210 $\chi^2/\text{NDF}: 11259.7/18$

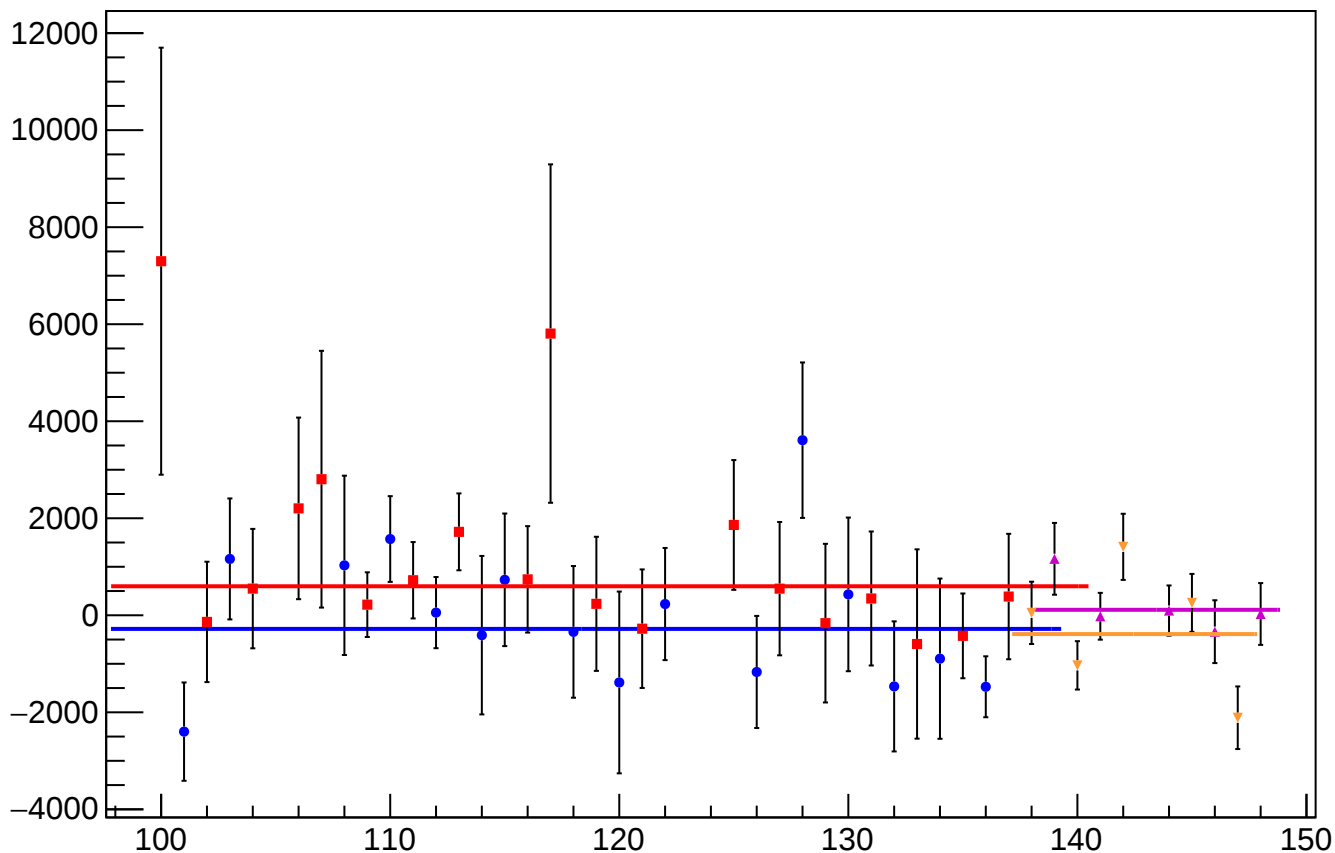
Left In: 800.563 ± 0.281 $\chi^2/\text{NDF}: 4207.9/4$

791.889 ± 0.176 $\chi^2/\text{NDF}: 19985.4/20$

792.252 ± 0.122 $\chi^2/\text{NDF}: 36716.1/44$

792.585 ± 0.168 $\chi^2/\text{NDF}: 16722.5/23$

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -387.268 $\pm$ 269.106 χ^2 /NDF:17.4/4

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

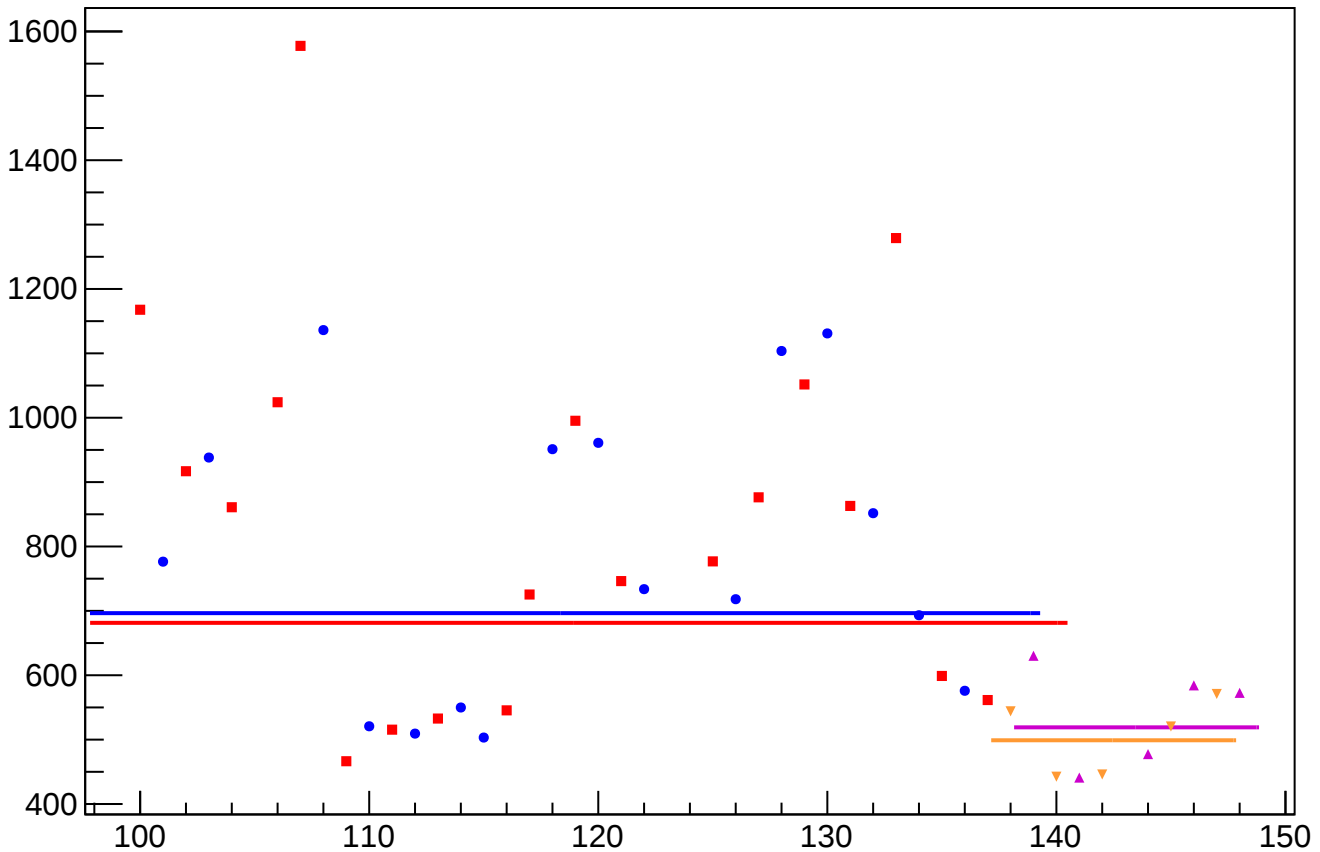
Left In: 112.984 $\pm$ 260.750 χ^2 /NDF:2.6/4

-336.538 $\pm$ 194.850 χ^2 /NDF: 40.6/20

16.109 $\pm$ 135.385 χ^2 /NDF: 63.4/44

345.260 $\pm$ 188.247 χ^2 /NDF: 16.4/23

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 498.988 $\pm$ 0.190 χ^2/NDF : 75112.5/4

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

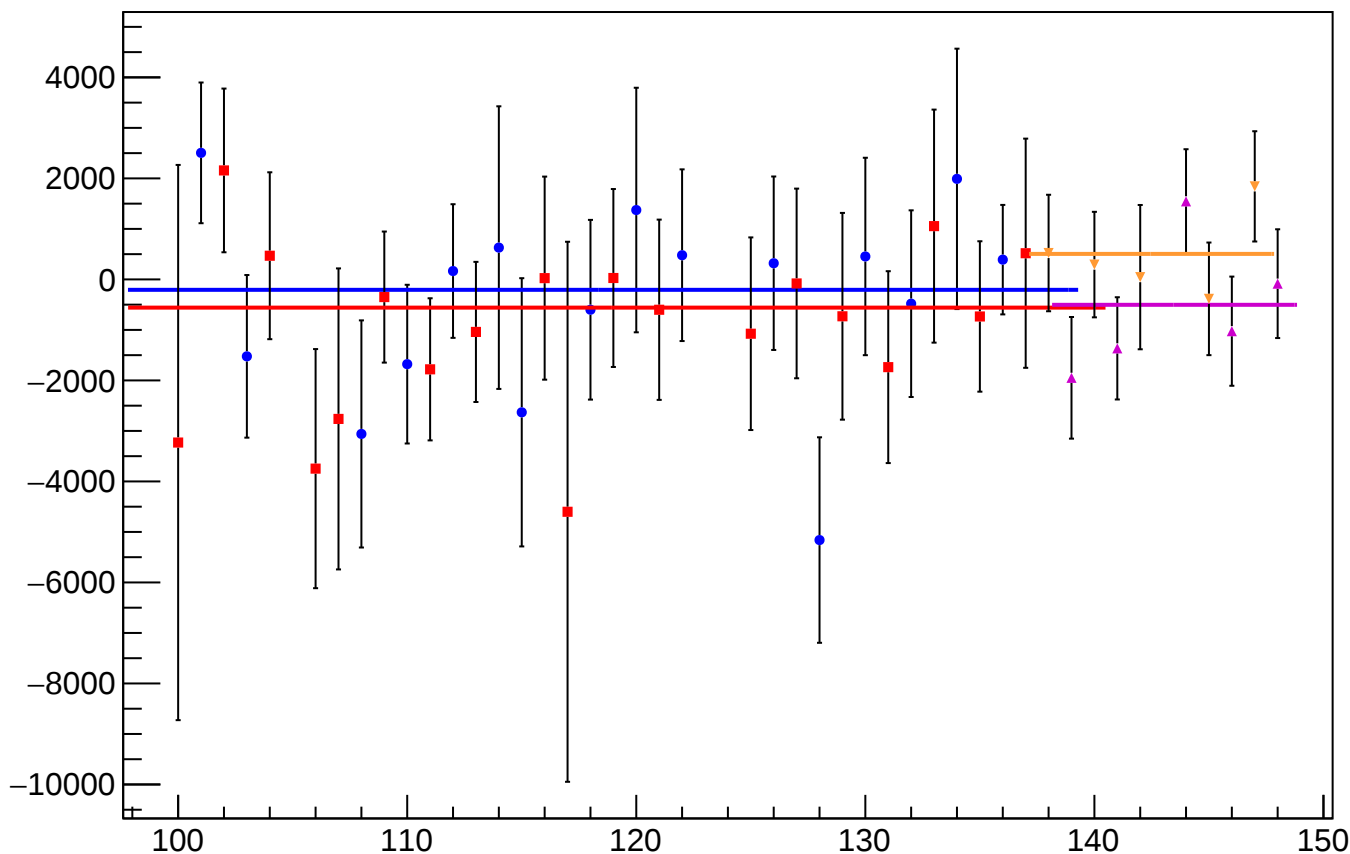
Left In: 519.068 $\pm$ 0.184 χ^2/NDF : 144796.9/4

592.932 $\pm$ 0.138 χ^2/NDF : 1546949.0/20

594.928 $\pm$ 0.096 χ^2/NDF : 3416155.6/44

596.790 $\pm$ 0.133 χ^2/NDF : 1868801.1/23

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 504.976 ± 512.827 χ^2/NDF : 2.3/4

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

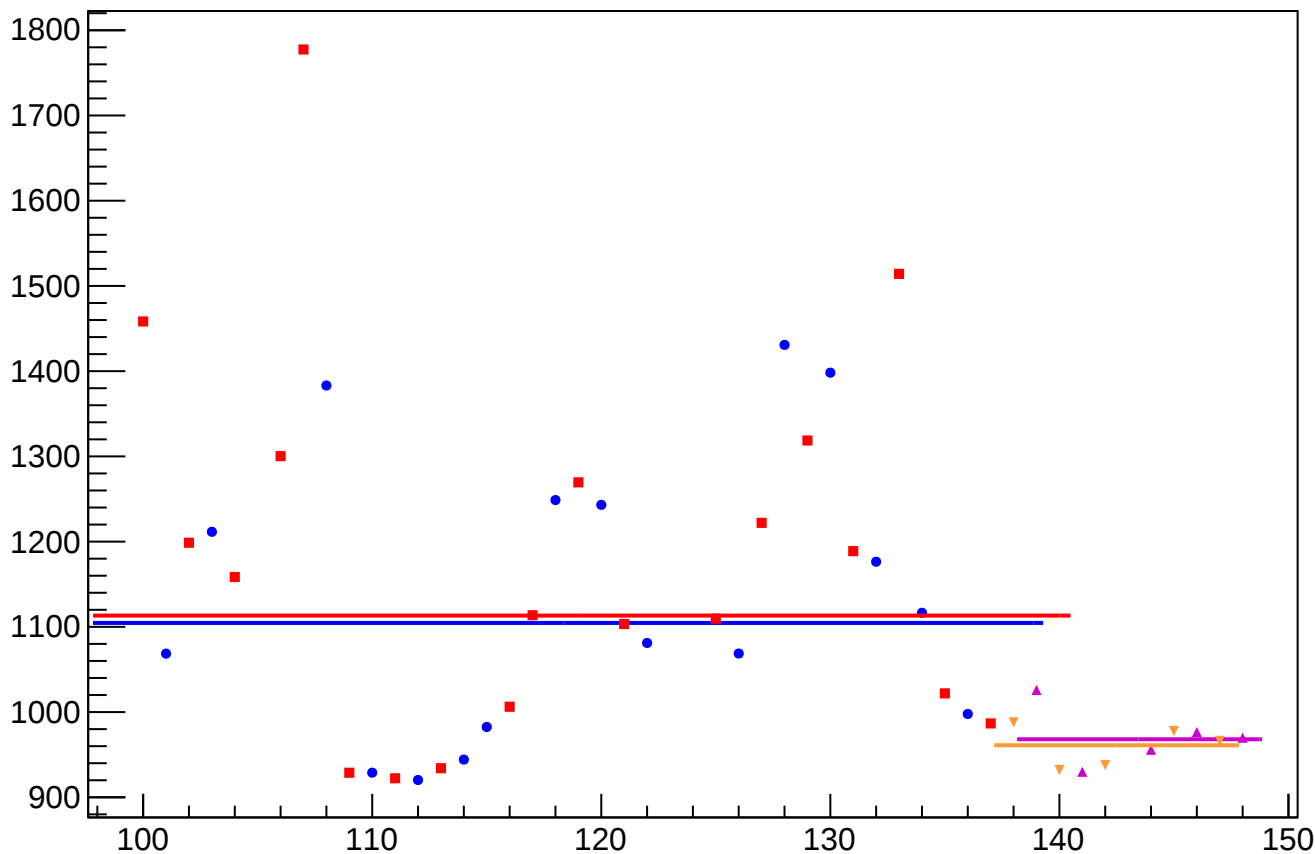
Left In: -503.113 ± 480.926 χ^2/NDF : 6.5/4

90.299 ± 331.187 χ^2/NDF : 19.2/20

-233.878 ± 229.676 χ^2/NDF : 36.2/44

-534.241 ± 318.790 χ^2/NDF : 15.2/23

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1104.596 ± 0.307 $\chi^2/\text{NDF}: 255488.3/15$

Left Out: 961.086 ± 0.363 $\chi^2/\text{NDF}: 3654.2/4$

Right Out: 1113.218 ± 0.301 $\chi^2/\text{NDF}: 362982.2/18$

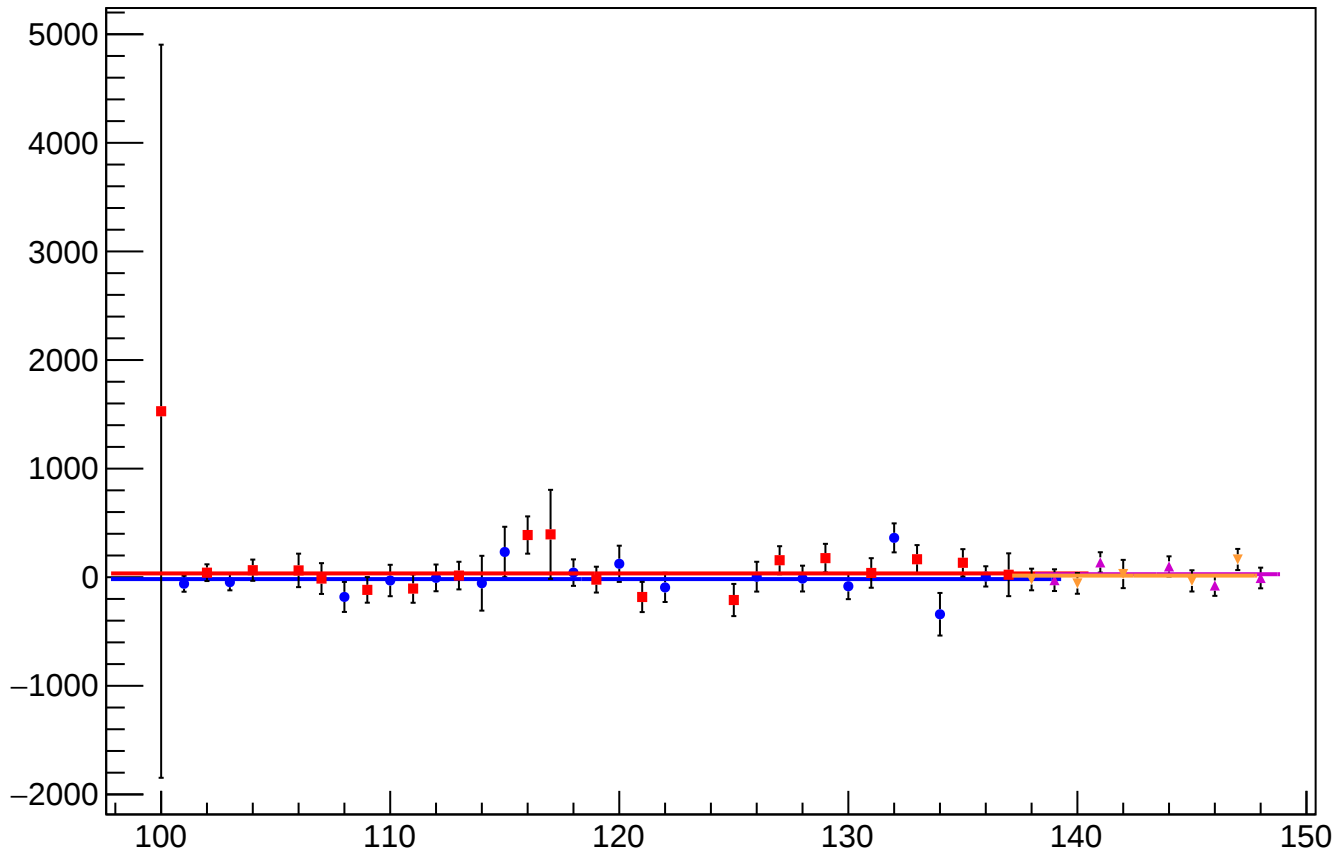
Left In: 968.102 ± 0.340 $\chi^2/\text{NDF}: 7878.6/4$

1044.743 ± 0.234 $\chi^2/\text{NDF}: 350443.6/20$

1047.189 ± 0.162 $\chi^2/\text{NDF}: 823599.6/44$

1049.455 ± 0.225 $\chi^2/\text{NDF}: 472945.9/23$

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 14.871 ± 45.650 χ^2/NDF : 3.3/4

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

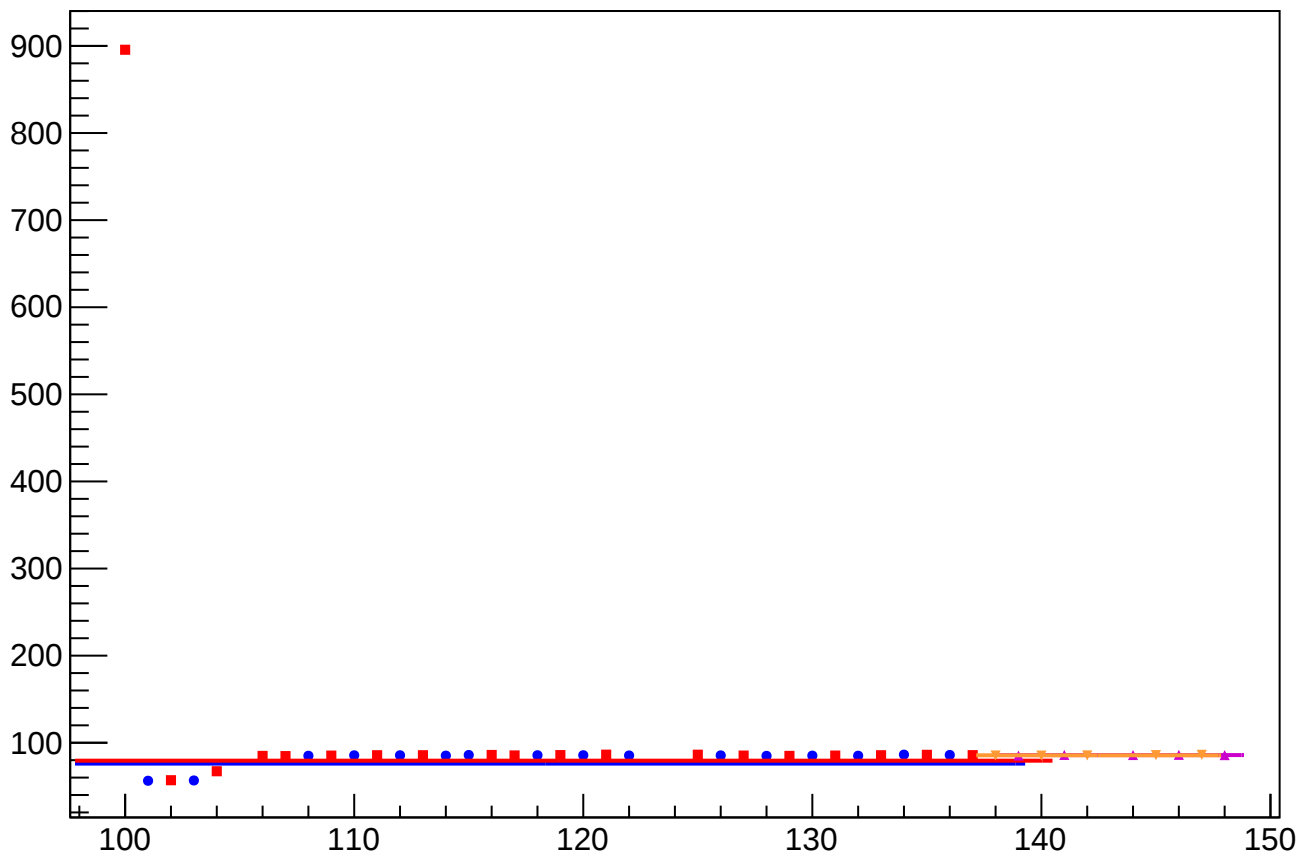
Left In: 27.707 ± 42.622 χ^2/NDF : 3.6/4

-7.558 ± 25.064 χ^2/NDF : 19.2/20

12.721 ± 17.603 χ^2/NDF : 41.4/44

32.462 ± 24.729 χ^2/NDF : 20.9/23

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.608 $\pm$ 0.032 χ^2 /NDF: 108.6/4

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

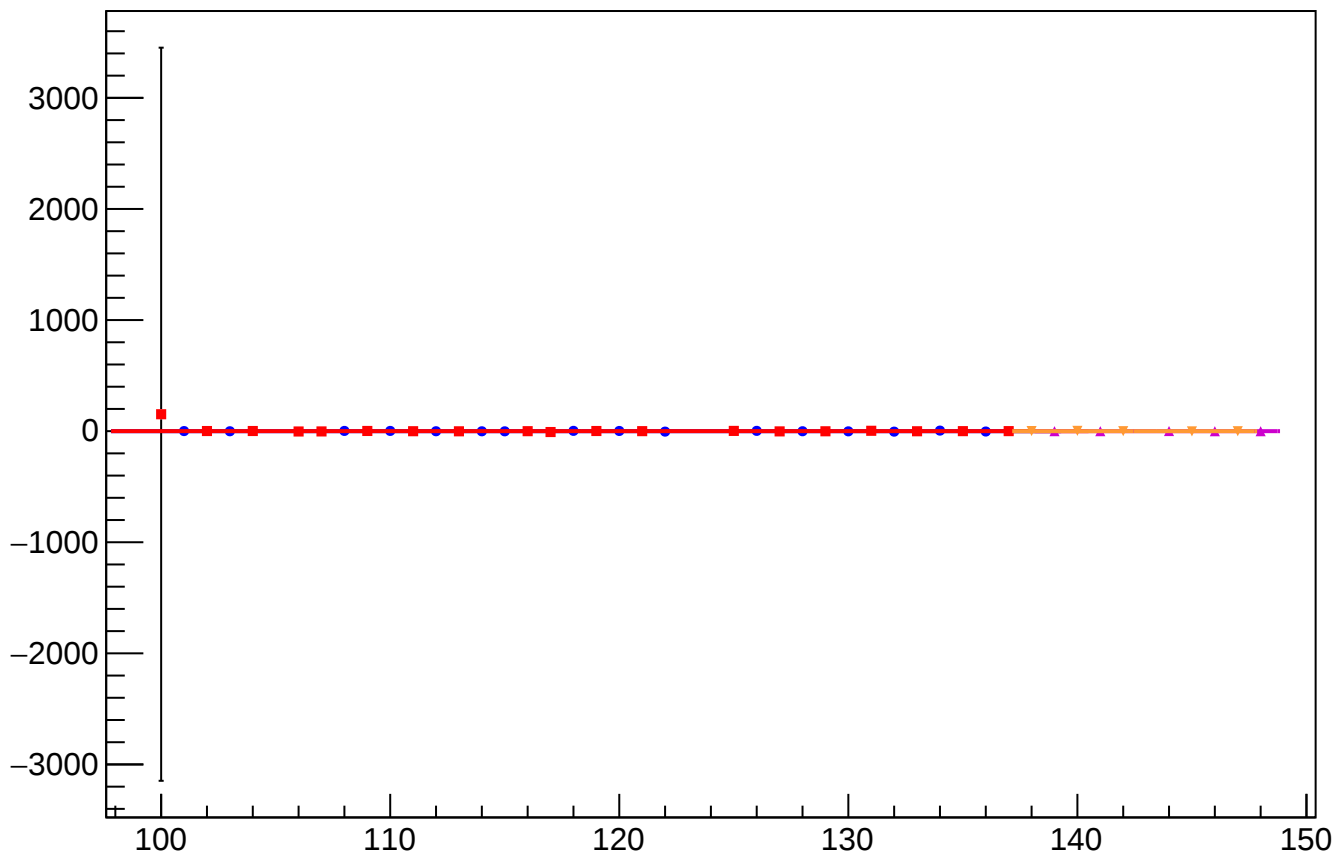
Left In: 85.856 $\pm$ 0.030 χ^2 /NDF: 96.6/4

78.952 $\pm$ 0.018 χ^2 /NDF: 470155.1/20

80.288 $\pm$ 0.012 χ^2 /NDF: 890648.1/44

81.589 $\pm$ 0.017 χ^2 /NDF: 409276.0/23

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.163 ± 0.776 χ^2/NDF : 4.1/4

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

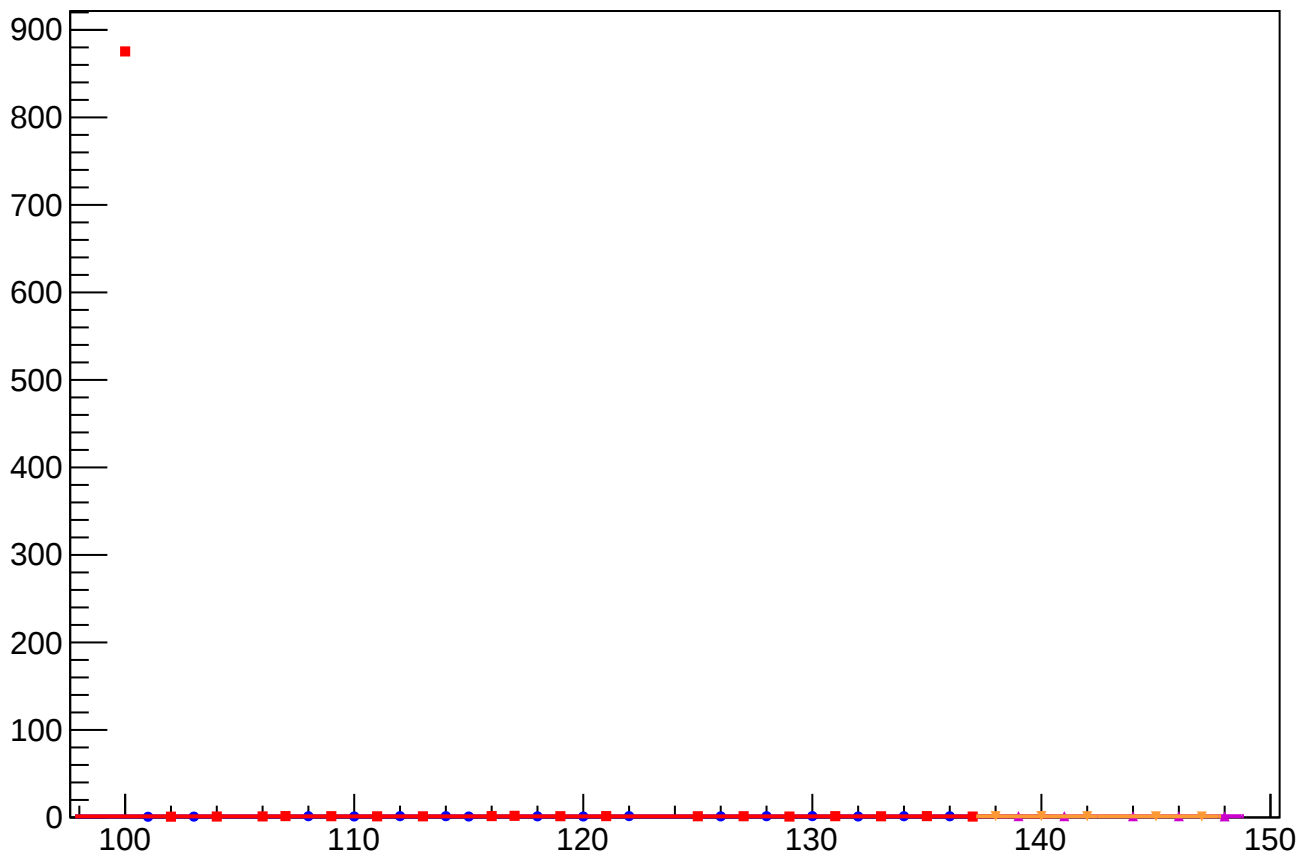
Left In: -0.108 ± 0.757 χ^2/NDF : 0.7/4

-0.246 ± 0.421 χ^2/NDF : 25.3/20

-0.125 ± 0.300 χ^2/NDF : 36.0/44

0.000 ± 0.428 χ^2/NDF : 10.5/23

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.307 $\pm$ 0.001 χ^2 /NDF: 105857.7/4

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

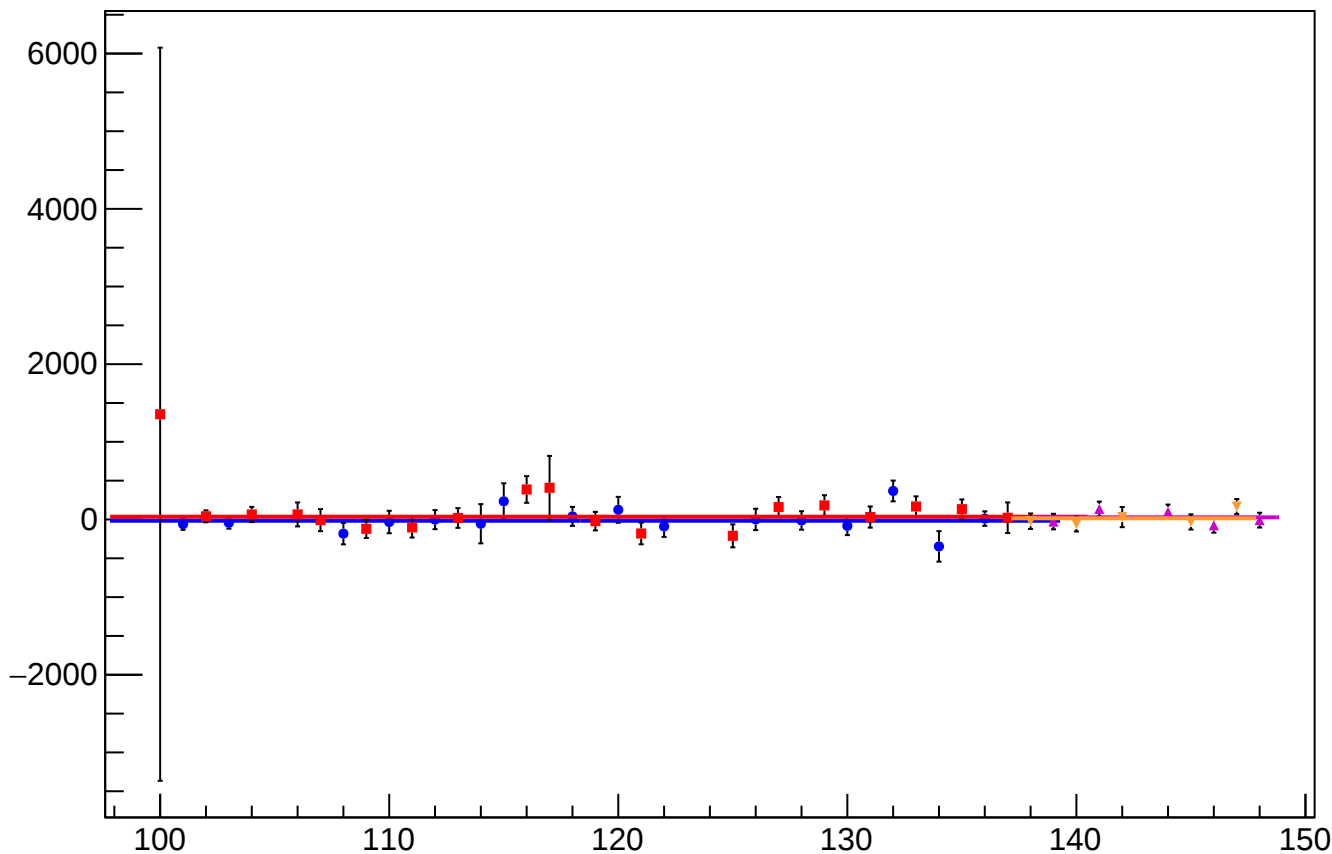
Left In: 1.416 $\pm$ 0.001 χ^2 /NDF: 35595.0/4

1.198 $\pm$ 0.000 χ^2 /NDF: 676287.9/20

1.249 $\pm$ 0.000 χ^2 /NDF: 1364680.1/44

1.303 $\pm$ 0.000 χ^2 /NDF: 627718.4/23

asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -16.311 $\pm$ 29.996 χ^2/NDF : 15.9/15

Left Out: 15.297 $\pm$ 45.662 χ^2/NDF : 3.4/4

Right Out: 35.172 $\pm$ 30.371 χ^2/NDF : 17.4/18

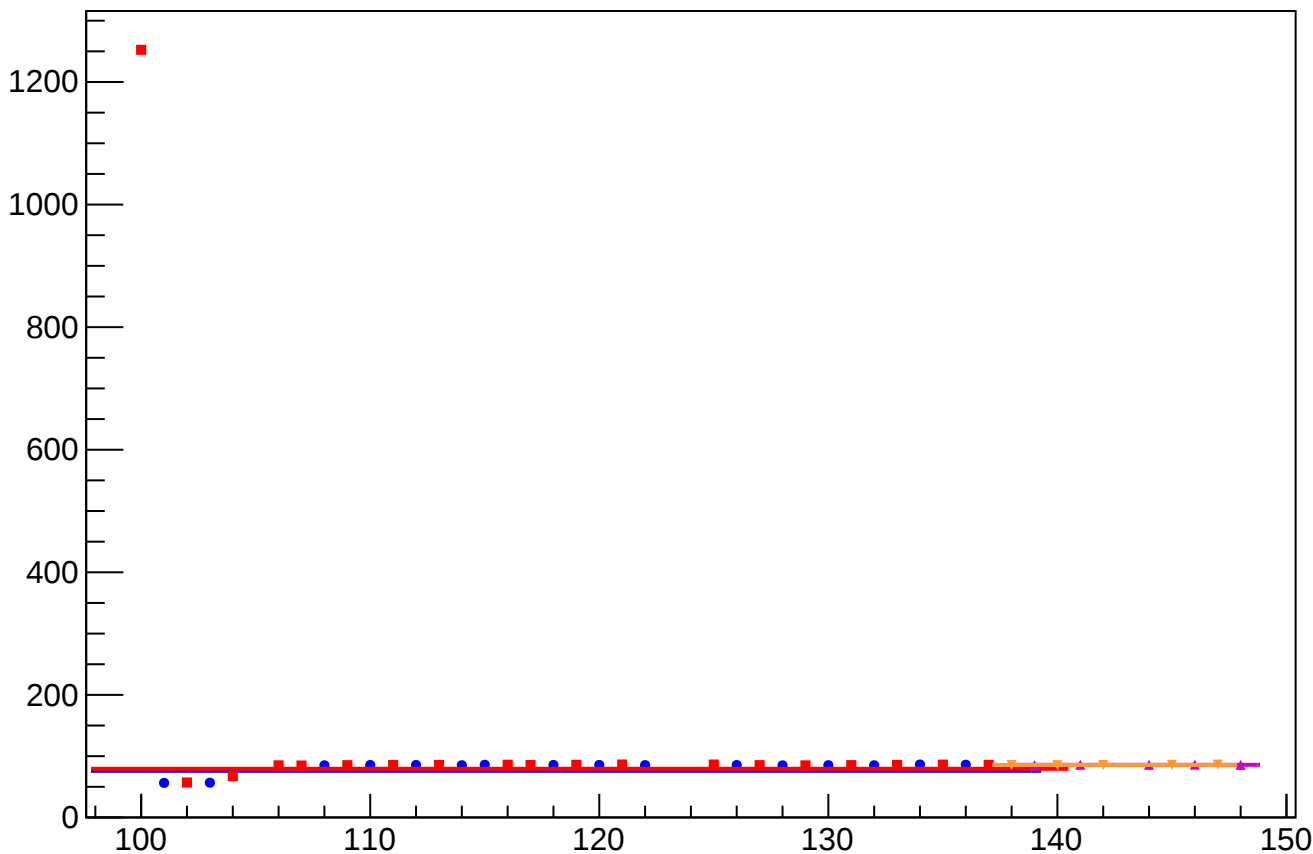
Left In: 27.527 $\pm$ 42.633 χ^2/NDF : 3.5/4

-6.783 $\pm$ 25.070 χ^2/NDF : 19.6/20

13.172 $\pm$ 17.608 χ^2/NDF : 41.7/44

32.598 $\pm$ 24.736 χ^2/NDF : 20.9/23

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.631 $\pm$ 0.032 χ^2/NDF : 108.5/4

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

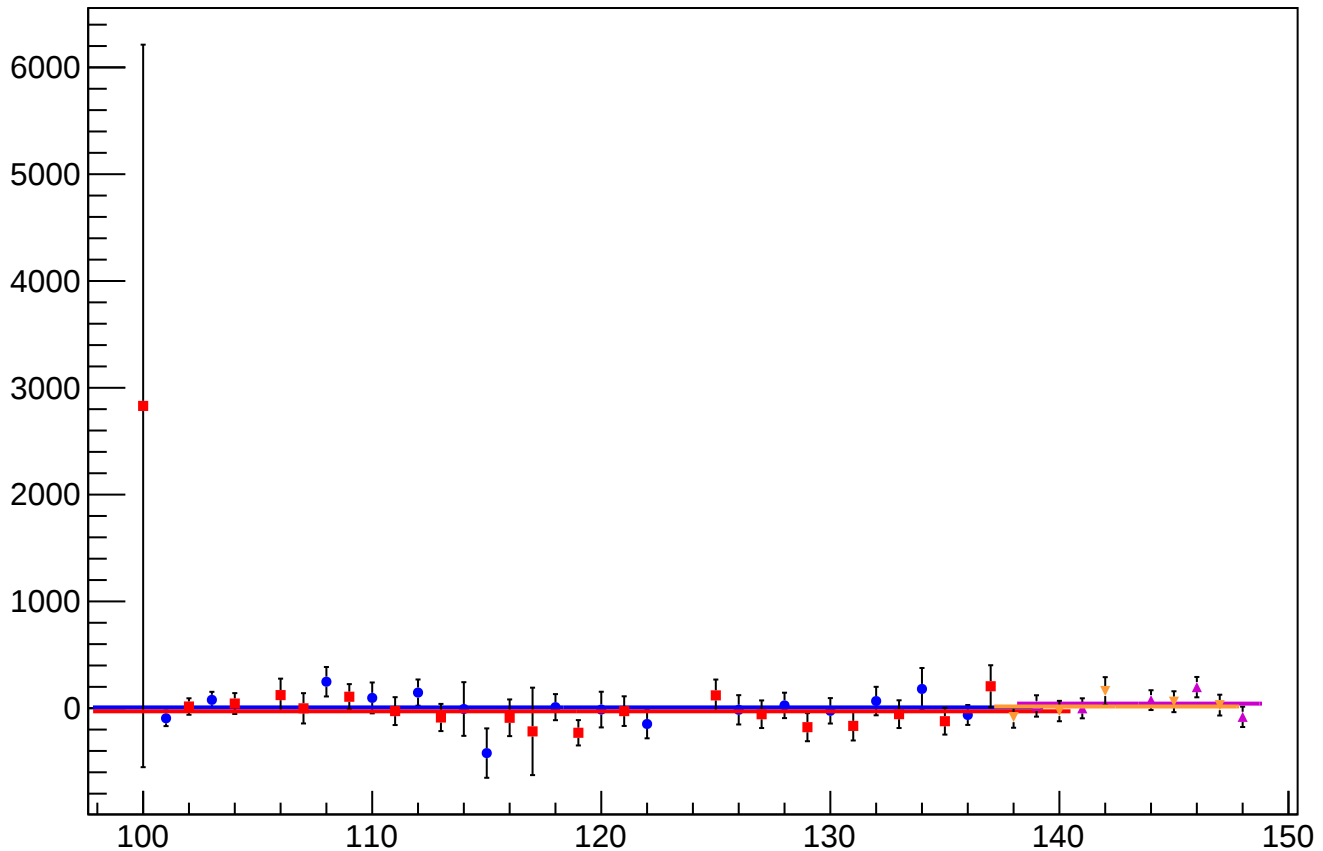
Left In: 85.878 $\pm$ 0.030 χ^2/NDF : 96.9/4

78.972 $\pm$ 0.018 χ^2/NDF : 470188.3/20

80.303 $\pm$ 0.012 χ^2/NDF : 897273.3/44

81.598 $\pm$ 0.017 χ^2/NDF : 415964.7/23

reg_asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 7.460 ± 29.969 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 16.045 ± 45.666 $\chi^2/\text{NDF}: 2.7/4$

Right Out: -28.958 ± 30.344 $\chi^2/\text{NDF}: 12.7/18$

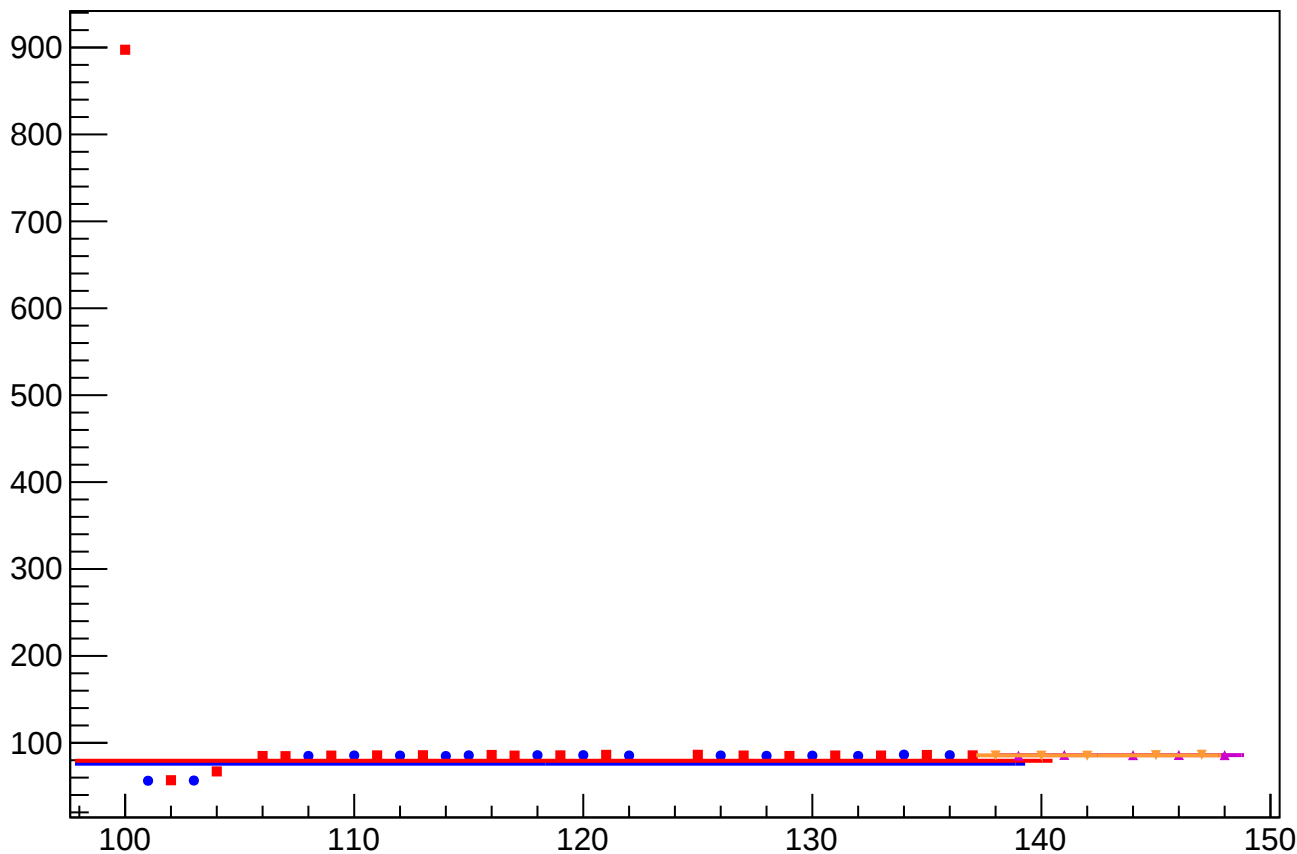
Left In: 43.091 ± 42.633 $\chi^2/\text{NDF}: 4.7/4$

10.045 ± 25.055 $\chi^2/\text{NDF}: 16.6/20$

2.557 ± 17.598 $\chi^2/\text{NDF}: 36.1/44$

-4.732 ± 24.722 $\chi^2/\text{NDF}: 19.3/23$

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.637 $\pm$ 0.032 χ^2 /NDF: 147.3/4

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

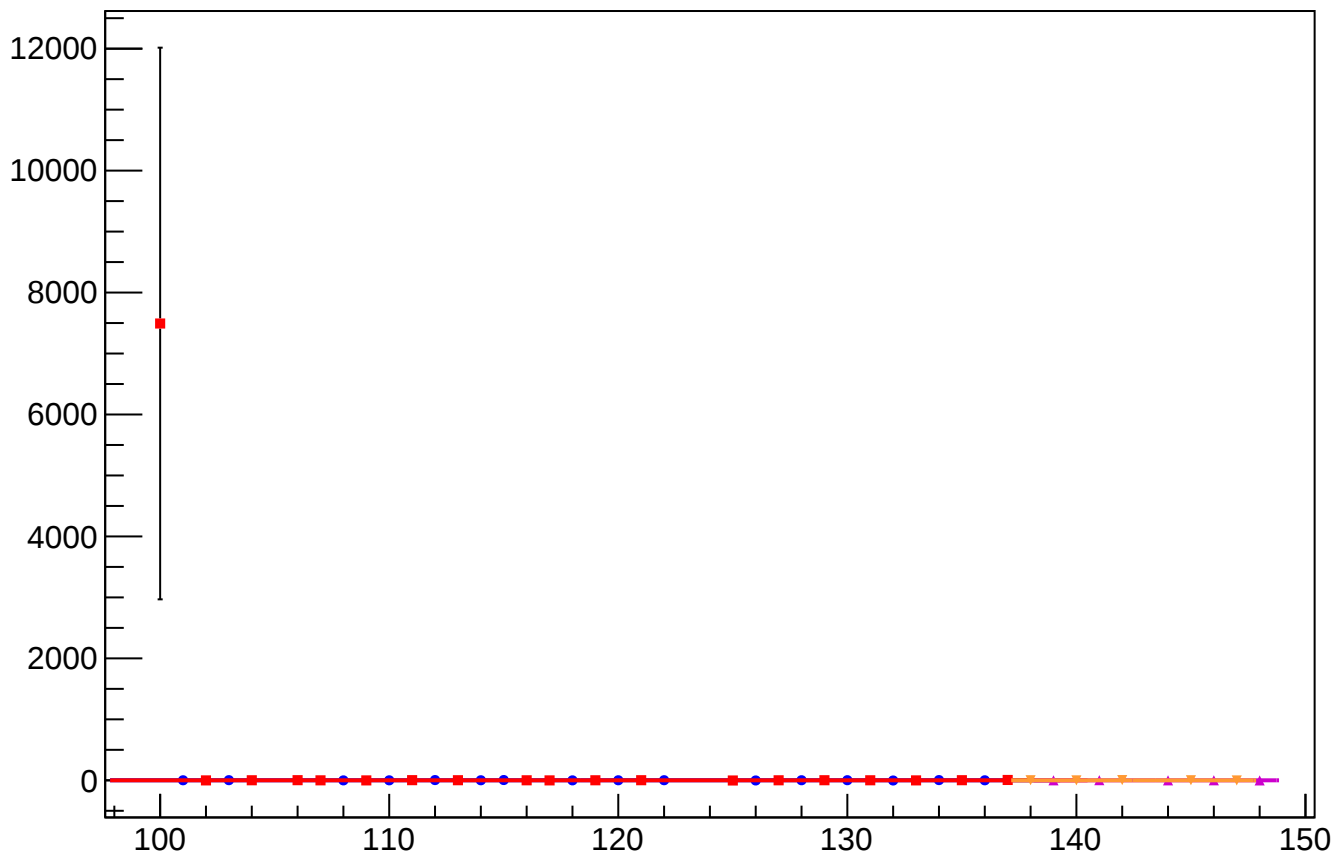
Left In: 85.879 $\pm$ 0.030 χ^2 /NDF: 82.6/4

78.923 $\pm$ 0.018 χ^2 /NDF: 470908.5/20

80.260 $\pm$ 0.012 χ^2 /NDF: 891929.7/44

81.562 $\pm$ 0.017 χ^2 /NDF: 409782.1/23

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.049 ± 0.784 χ^2/NDF : 5.2/4

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

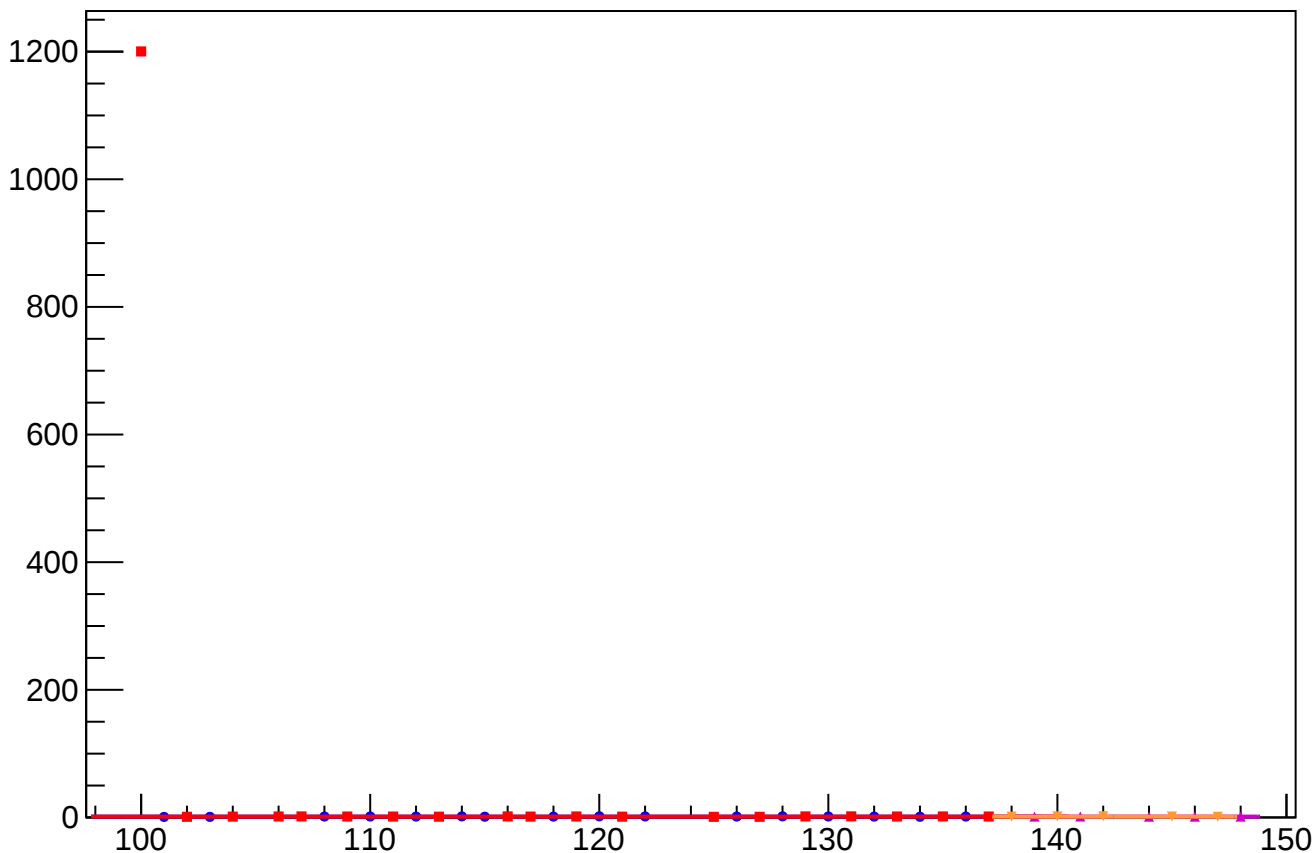
Left In: 0.004 ± 0.739 χ^2/NDF : 3.0/4

0.639 ± 0.440 χ^2/NDF : 18.0/20

0.418 ± 0.311 χ^2/NDF : 34.3/44

0.198 ± 0.439 χ^2/NDF : 15.7/23

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.327+/-0.001 χ^2/NDF : 143398.2/4

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

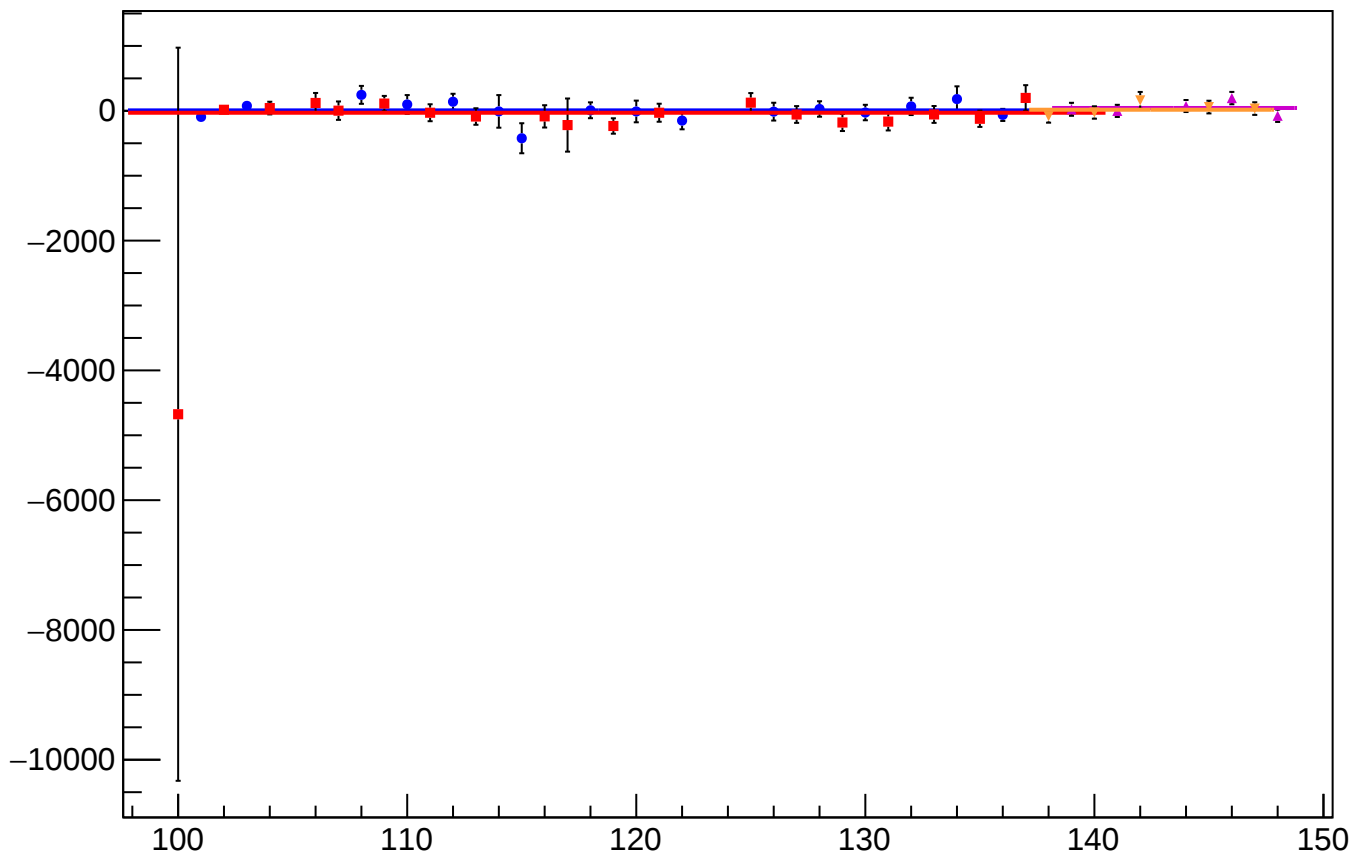
Left In: 1.365+/-0.001 χ^2/NDF : 33004.0/4

1.266+/-0.000 χ^2/NDF : 819026.2/20

1.300+/-0.000 χ^2/NDF : 1403104.6/44

1.334+/-0.000 χ^2/NDF : 559889.2/23

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 16.798 ± 45.678 $\chi^2/\text{NDF}: 2.6/4$

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

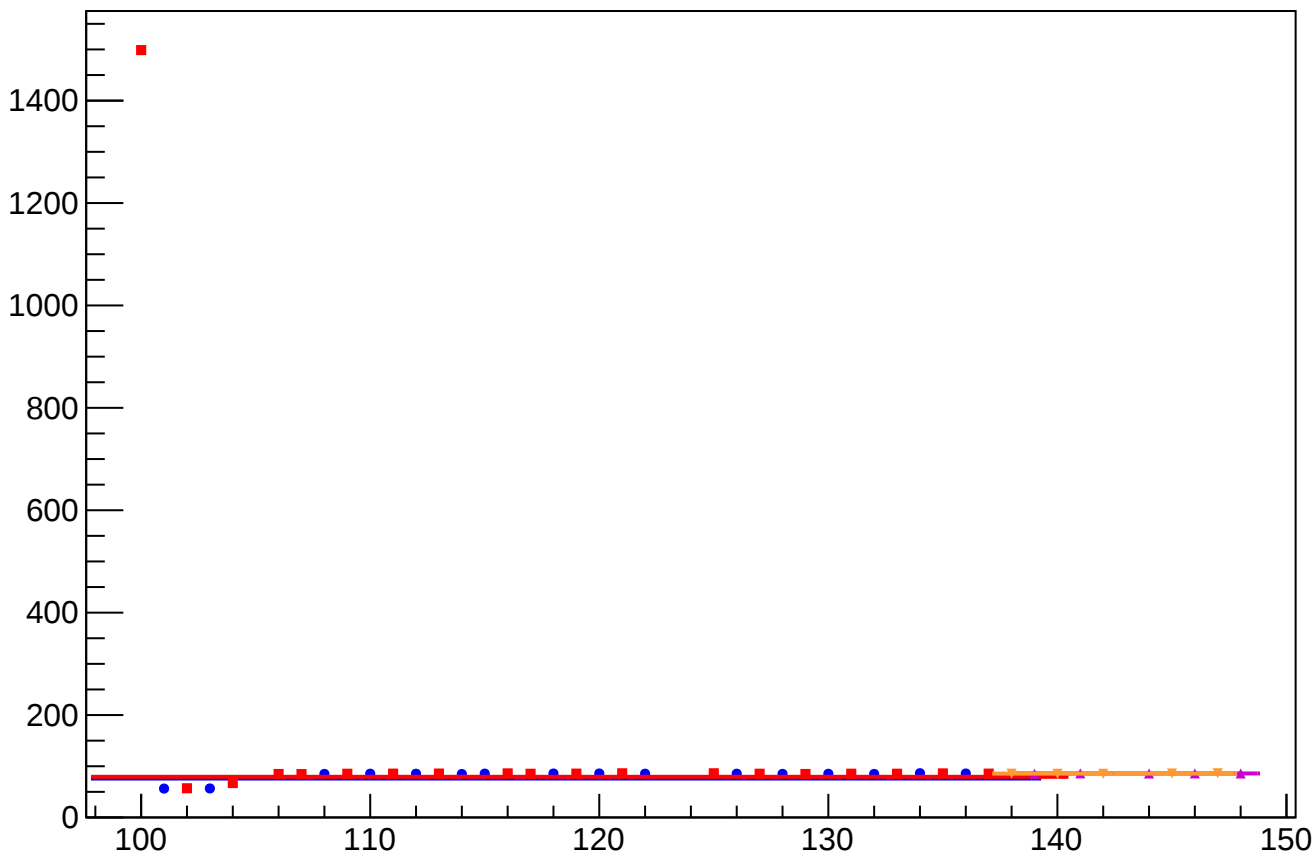
Left In: 43.807 ± 42.645 $\chi^2/\text{NDF}: 4.5/4$

9.797 ± 25.062 $\chi^2/\text{NDF}: 16.5/20$

2.342 ± 17.603 $\chi^2/\text{NDF}: 36.1/44$

-4.916 ± 24.729 $\chi^2/\text{NDF}: 19.4/23$

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.660 $\pm$ 0.032 χ^2 /NDF: 146.4/4

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

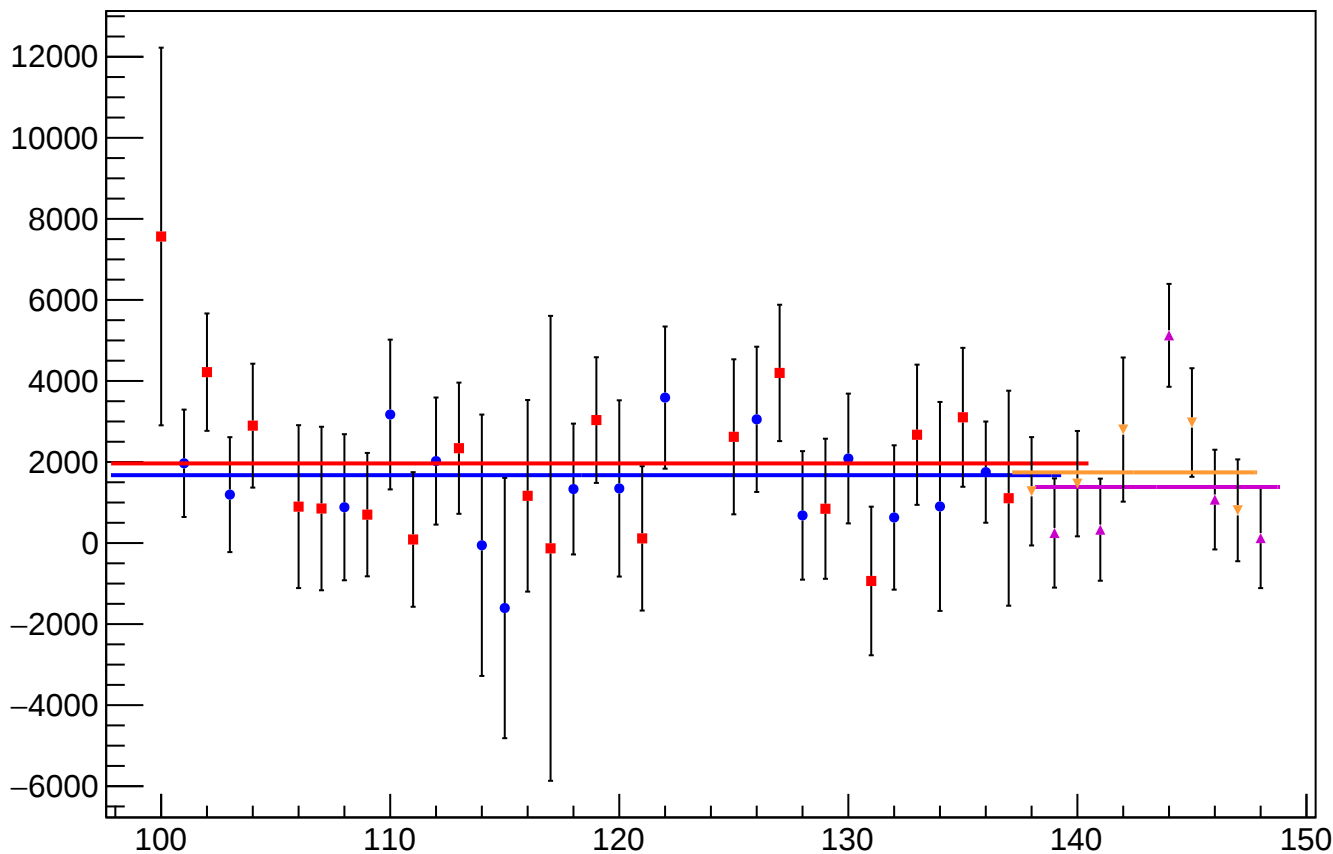
Left In: 85.902 $\pm$ 0.030 χ^2 /NDF: 82.4/4

78.945 $\pm$ 0.018 χ^2 /NDF: 470953.7/20

80.274 $\pm$ 0.012 χ^2 /NDF: 901327.9/44

81.567 $\pm$ 0.017 χ^2 /NDF: 419275.1/23

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1744.040 $\pm$ 613.478 χ^2 /NDF: 1.9/4

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

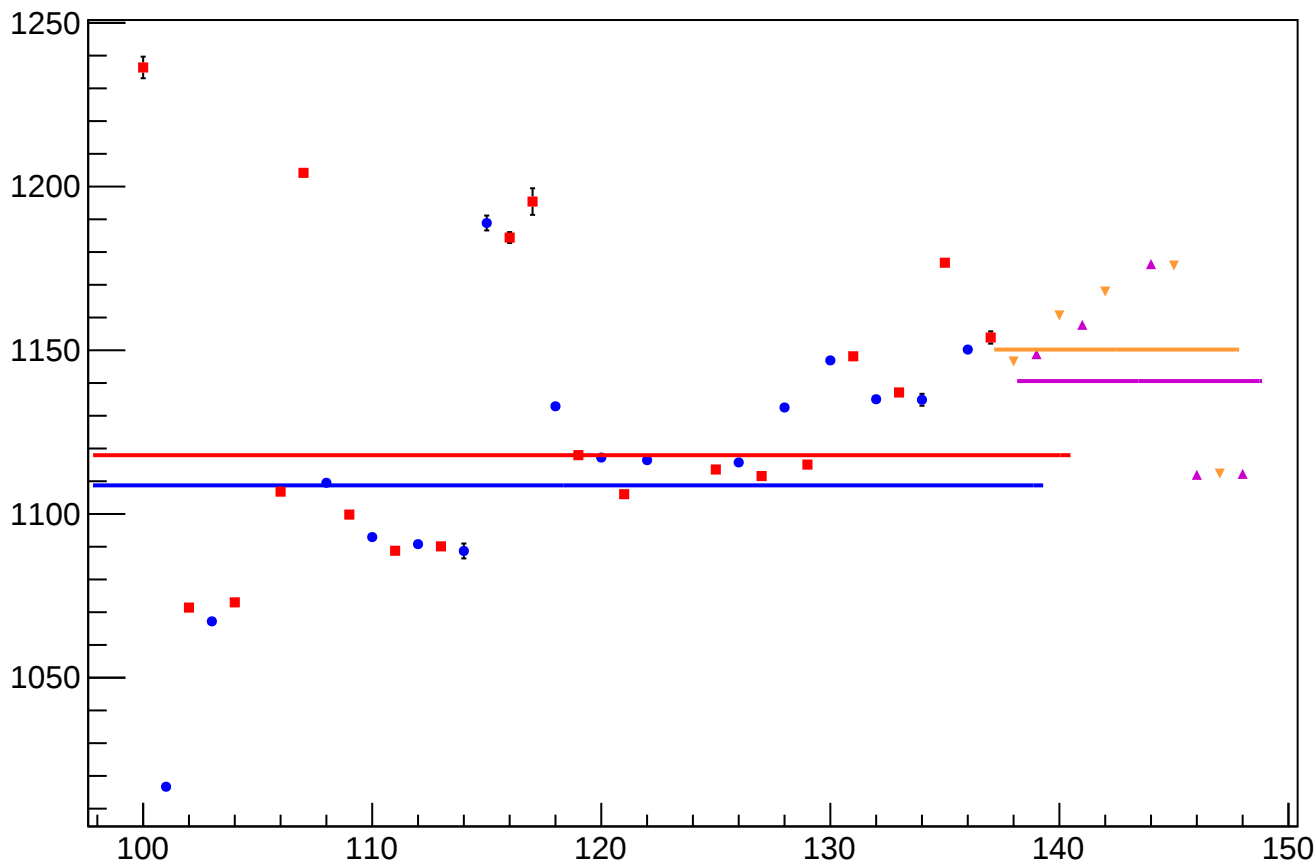
Left In: 1383.547 $\pm$ 566.366 χ^2 /NDF: 11.2/4

1697.782 $\pm$ 352.445 χ^2 /NDF: 7.1/20

1729.073 $\pm$ 243.954 χ^2 /NDF: 33.1/44

1757.854 $\pm$ 338.014 χ^2 /NDF: 26.0/23

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1150.220 $\pm$ 0.434 χ^2/NDF : 2892.2/4

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

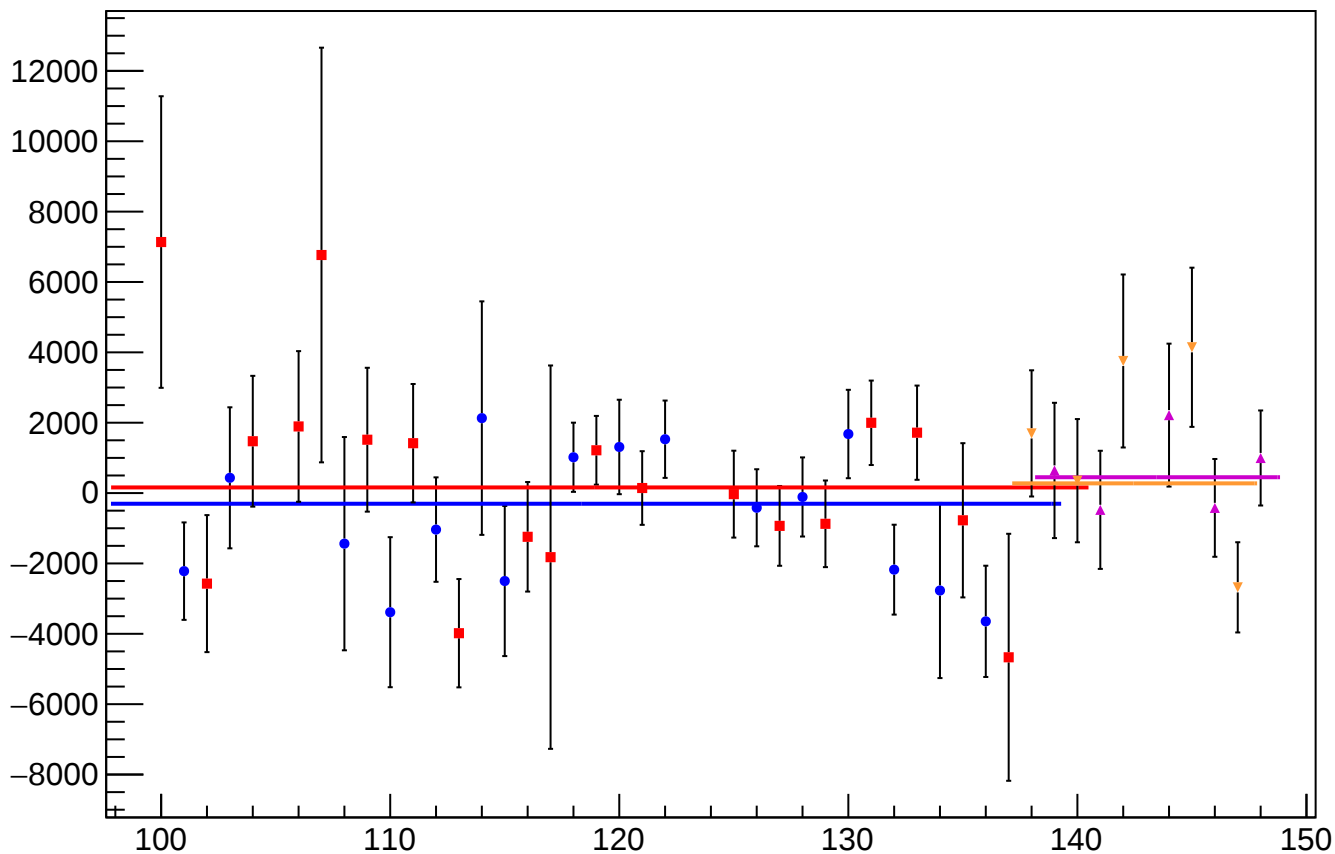
Left In: 1140.601 $\pm$ 0.400 χ^2/NDF : 4167.3/4

1122.430 $\pm$ 0.249 χ^2/NDF : 27098.7/20

1124.302 $\pm$ 0.173 χ^2/NDF : 49313.9/44

1126.024 $\pm$ 0.239 χ^2/NDF : 22106.9/23

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: 275.895+/-789.063 χ^2/NDF : 10.9/4

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

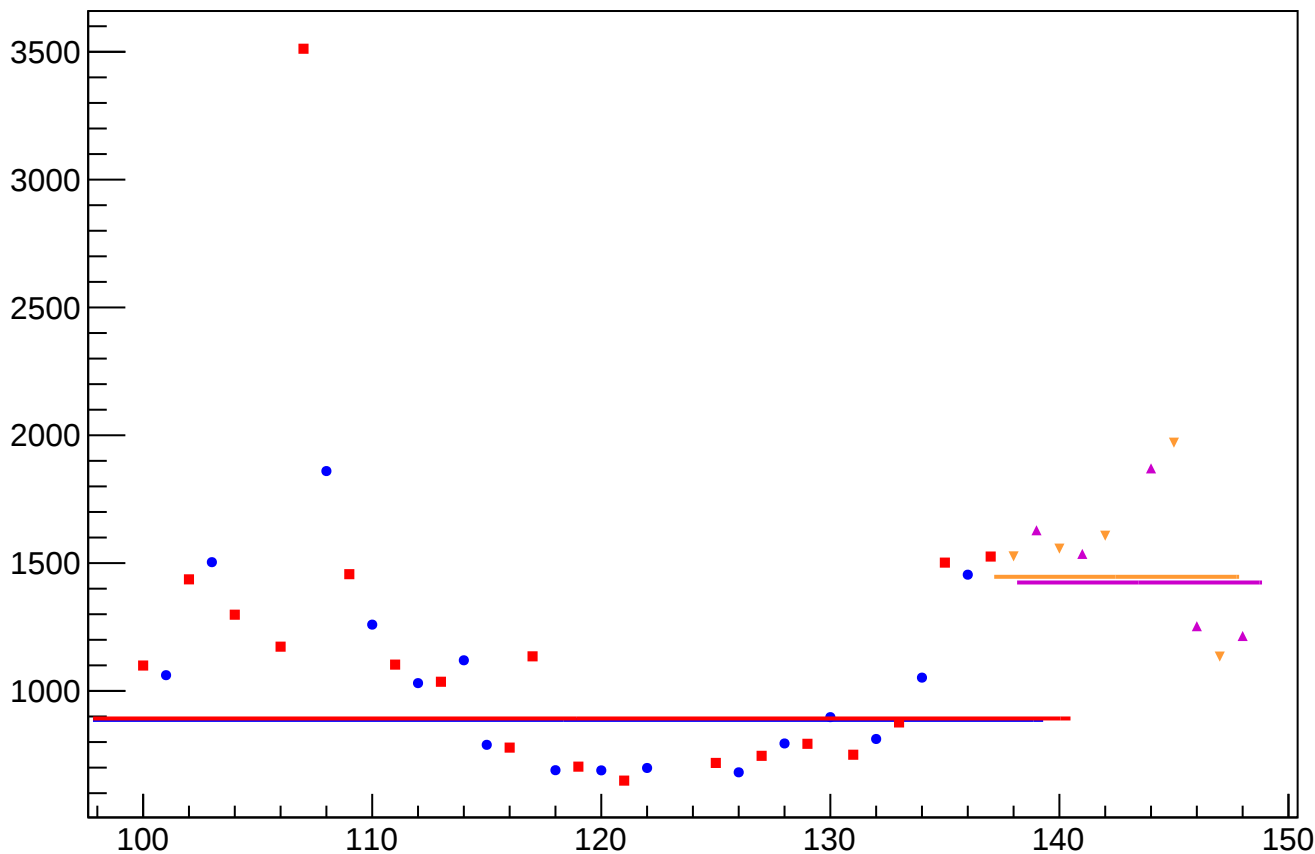
Left In: 450.412+/-719.169 χ^2/NDF : 1.6/4

-203.508+/-327.574 χ^2/NDF : 33.6/20

12.703+/-228.418 χ^2/NDF : 61.2/44

217.324+/-318.674 χ^2/NDF : 26.8/23

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1446.429+/-0.558 χ^2/NDF : 246482.9/4

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

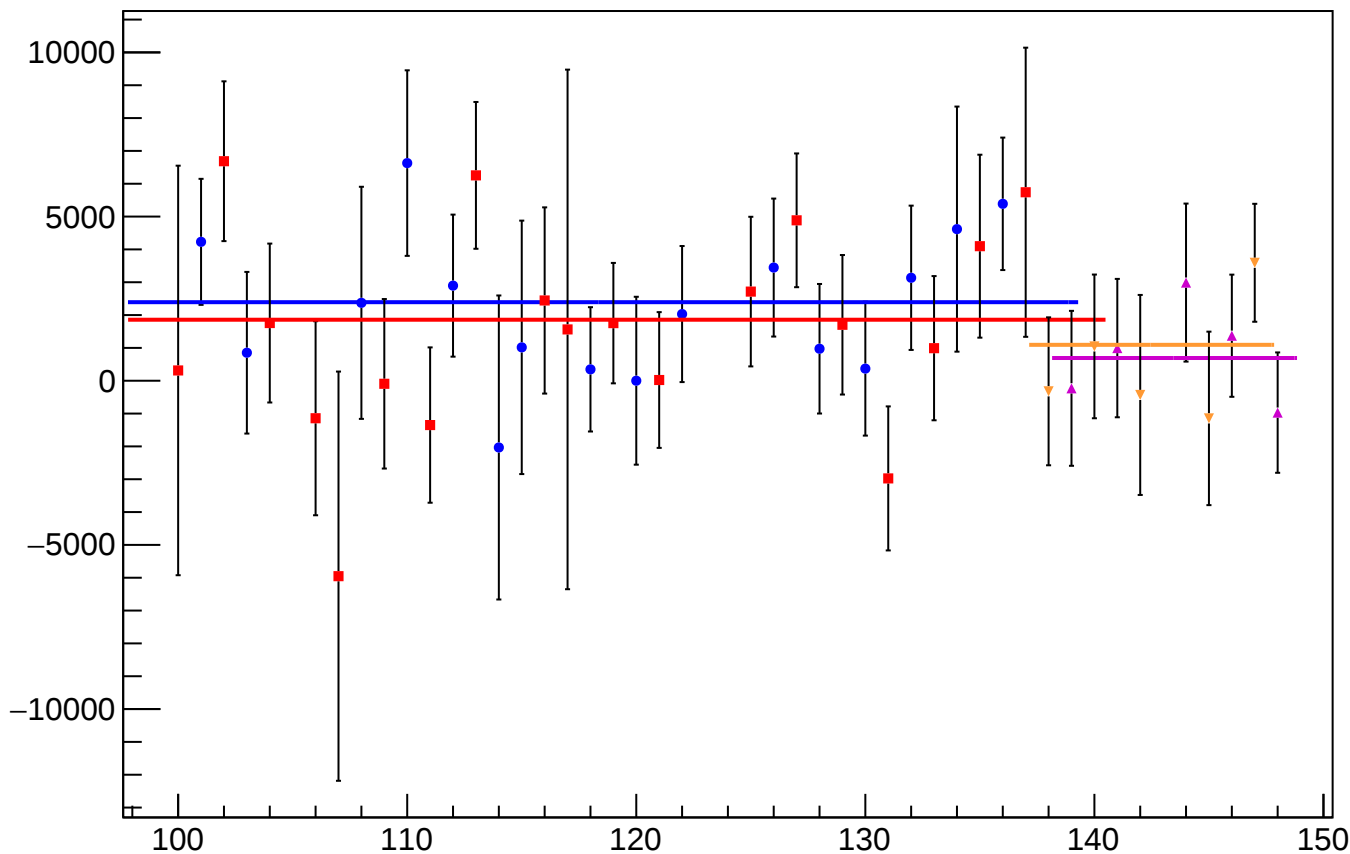
Left In: 1424.133+/-0.509 χ^2/NDF : 206323.9/4

983.159+/-0.232 χ^2/NDF : 2140312.6/20

990.102+/-0.162 χ^2/NDF : 4645777.2/44

996.674+/-0.225 χ^2/NDF : 2503715.5/23

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1093.528 $\pm$ 1017.010 χ^2 /NDF: 3.3/4

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

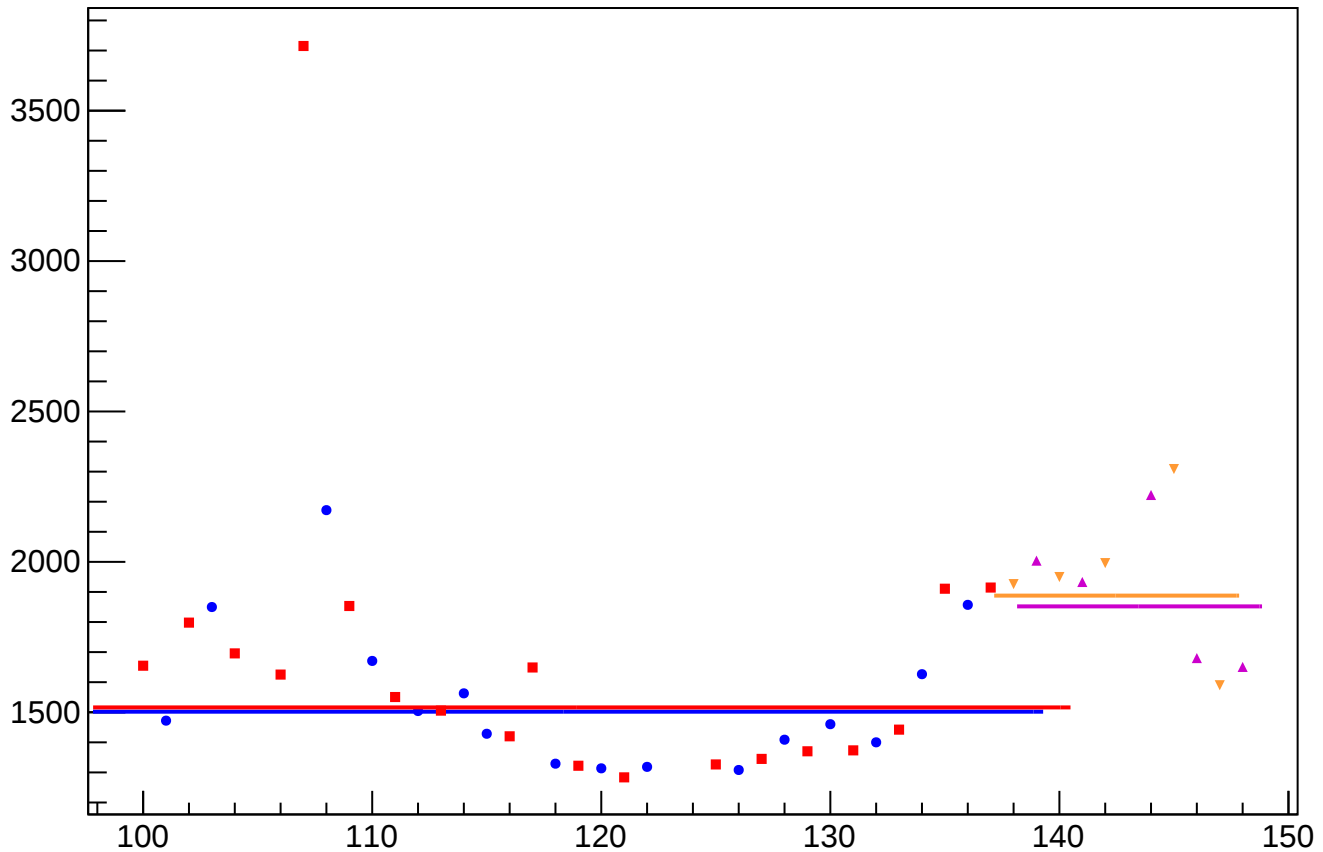
Left In: 692.226 $\pm$ 926.875 χ^2 /NDF: 2.0/4

2066.161 $\pm$ 509.686 χ^2 /NDF: 15.7/20

1788.379 $\pm$ 354.211 χ^2 /NDF: 41.9/44

1528.899 $\pm$ 492.610 χ^2 /NDF: 25.7/23

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1887.826+/-0.719 χ^2/NDF : 110465.0/4

Right Out: 1516.127+/-0.411 χ^2/NDF : 480325.9/18

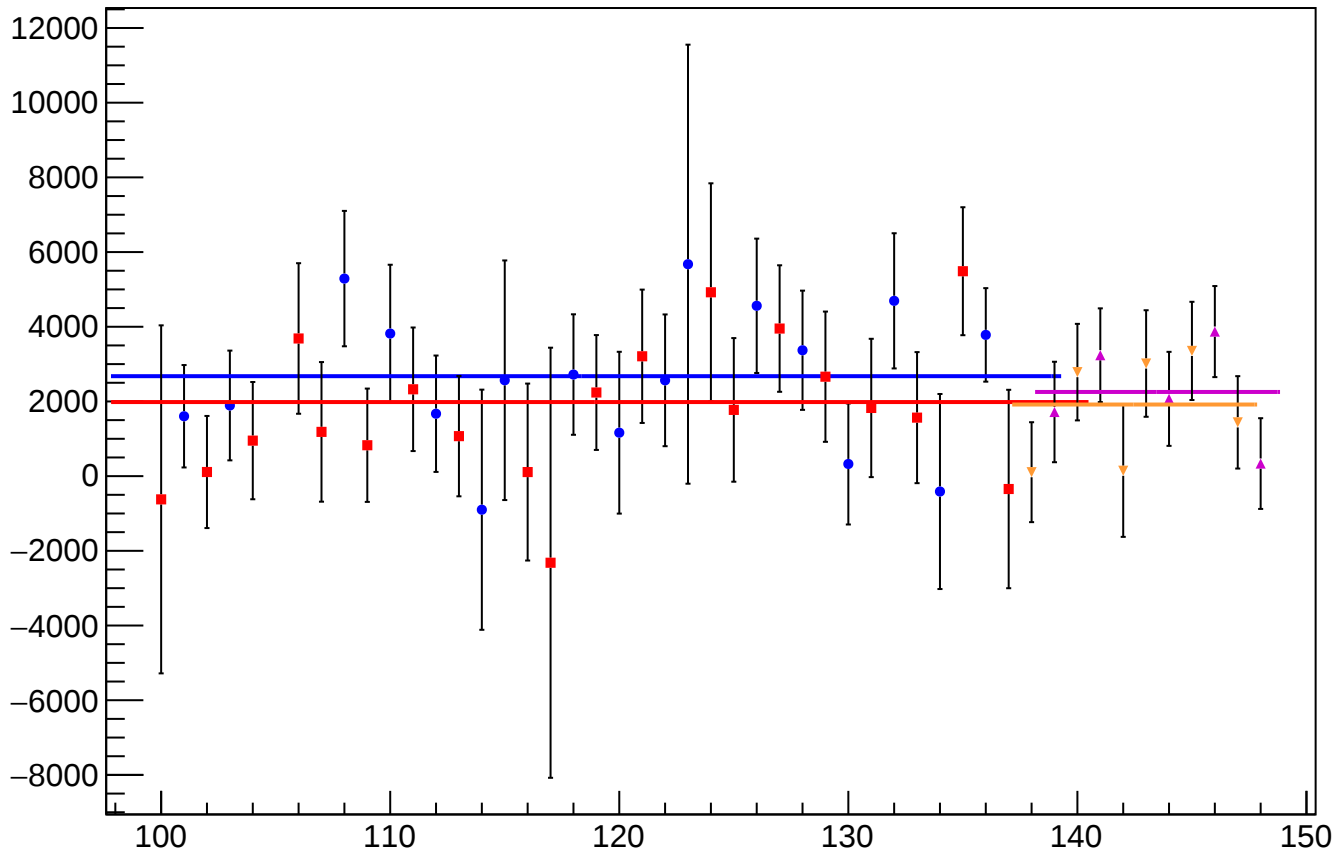
Left In: 1852.010+/-0.655 χ^2/NDF : 99821.5/4

1598.858+/-0.360 χ^2/NDF : 580636.7/20

1605.136+/-0.250 χ^2/NDF : 1349826.1/44

1611.002+/-0.348 χ^2/NDF : 768602.3/23

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1917.729 $\pm$ 559.049 χ^2 /NDF: 5.2/5

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

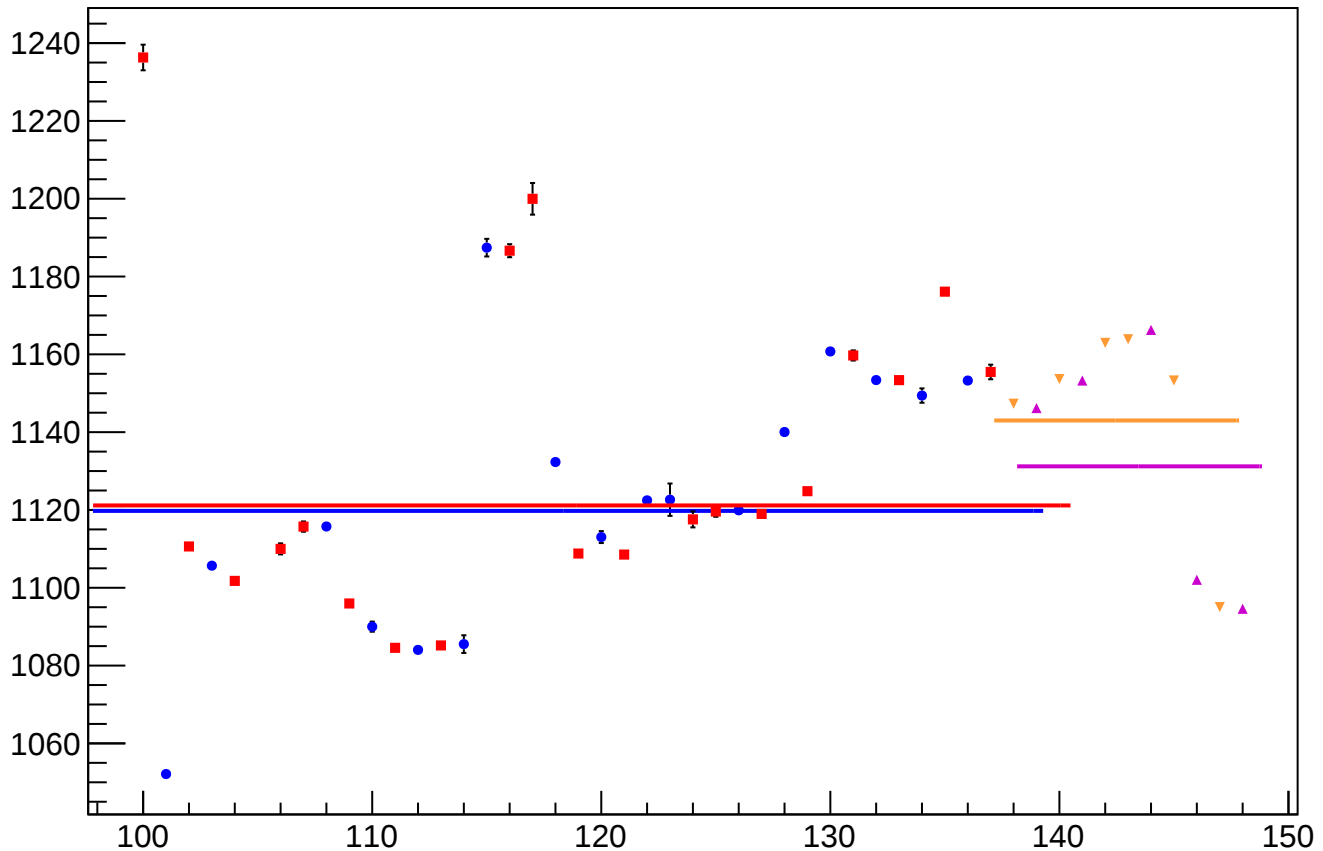
Left In: 2254.199 $\pm$ 561.745 χ^2 /NDF: 5.0/4

2391.628 $\pm$ 342.615 χ^2 /NDF: 18.9/22

2232.572 $\pm$ 239.665 χ^2 /NDF: 37.9/47

2080.167 $\pm$ 335.376 χ^2 /NDF: 18.6/24

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1143.001 $\pm$ 0.395 χ^2/NDF : 3968.1/5

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

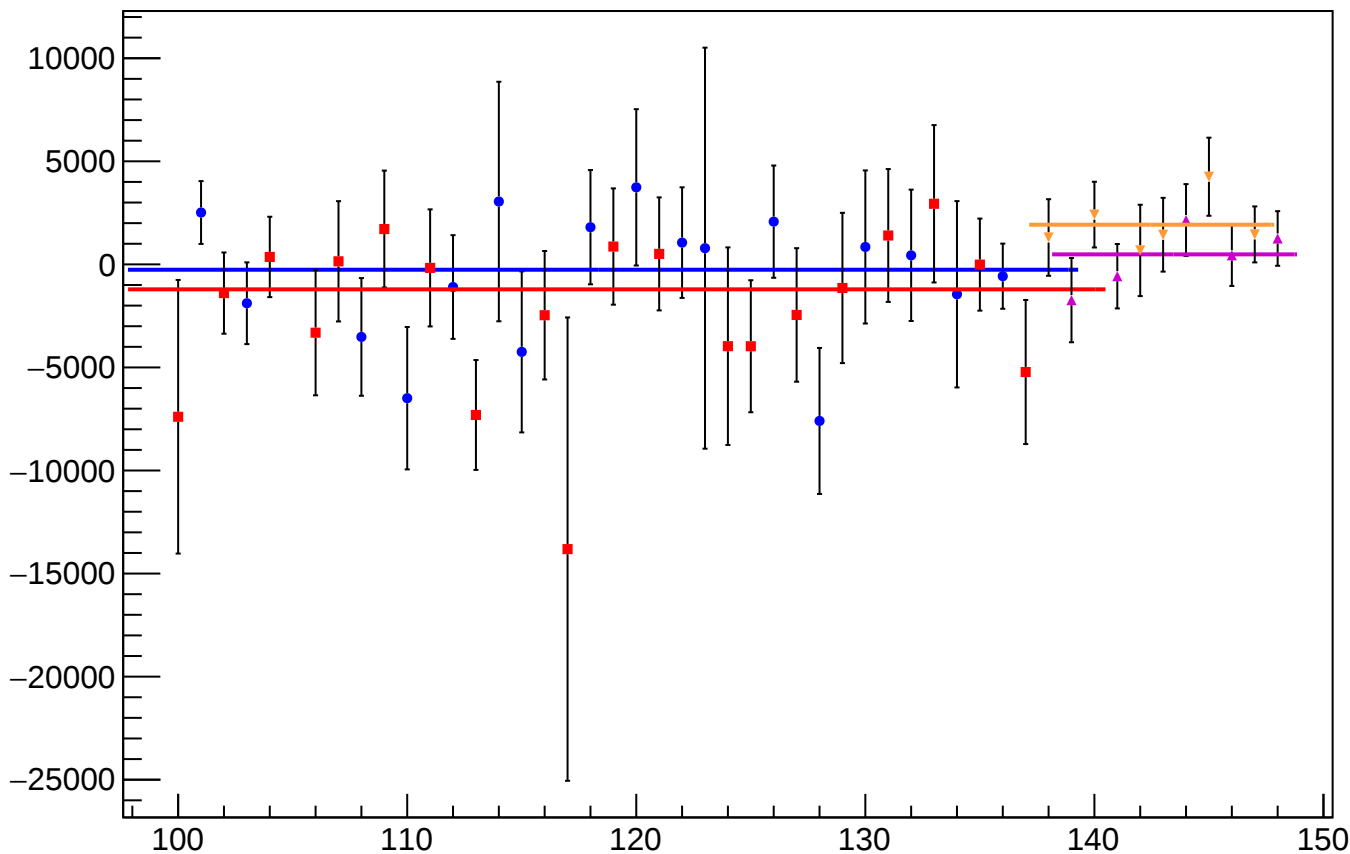
Left In: 1131.212 $\pm$ 0.397 χ^2/NDF : 5378.6/4

1128.490 $\pm$ 0.242 χ^2/NDF : 18002.9/22

1126.578 $\pm$ 0.169 χ^2/NDF : 34226.2/47

1124.745 $\pm$ 0.237 χ^2/NDF : 16101.2/24

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 1924.850+/-703.535 χ^2/NDF : 2.2/5

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

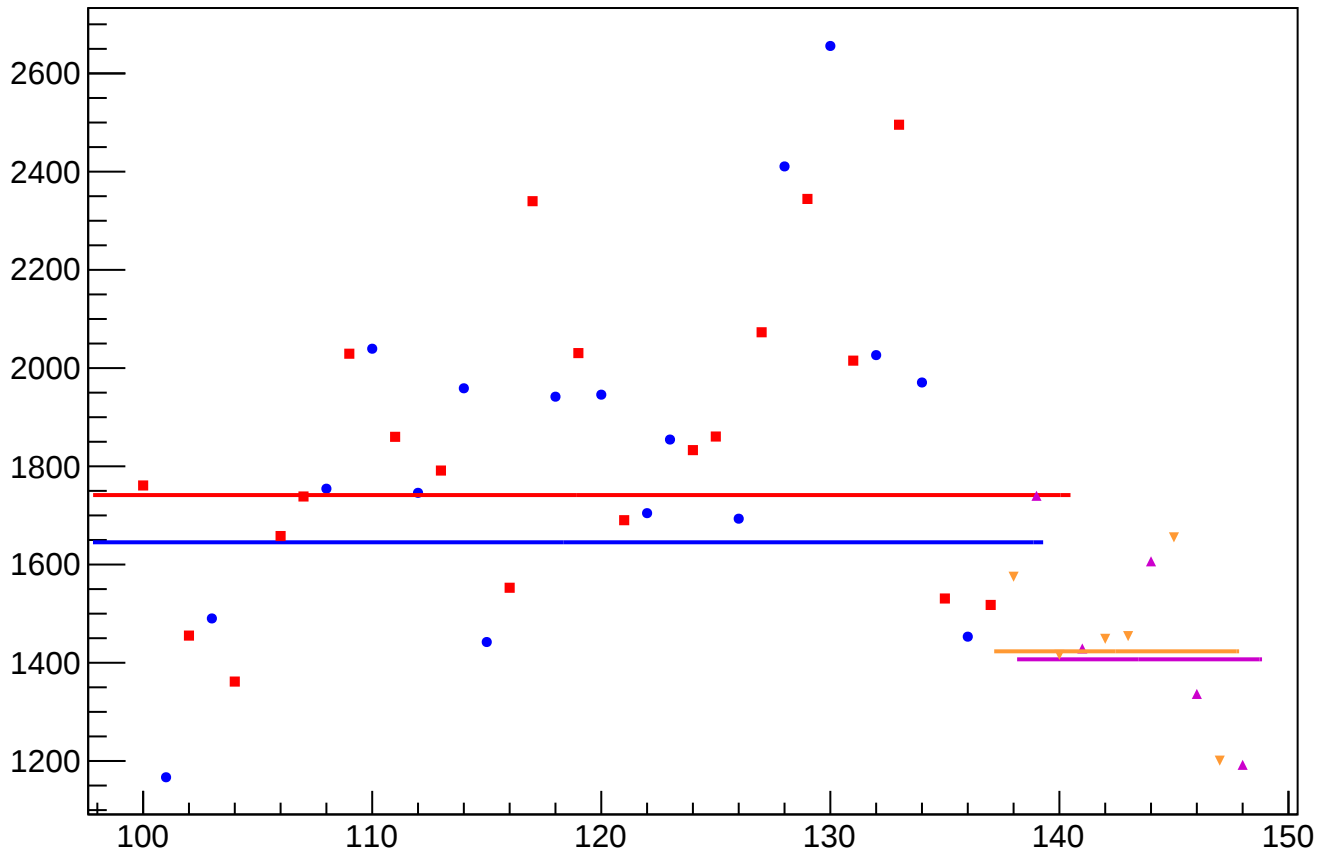
Left In: 485.639+/-707.006 χ^2/NDF : 2.9/4

755.021+/-479.504 χ^2/NDF : 24.6/22

171.961+/-340.273 χ^2/NDF : 49.2/47

-419.517+/-482.952 χ^2/NDF : 21.6/24

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1423.285+/-0.497 χ^2/NDF : 98047.7/5

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

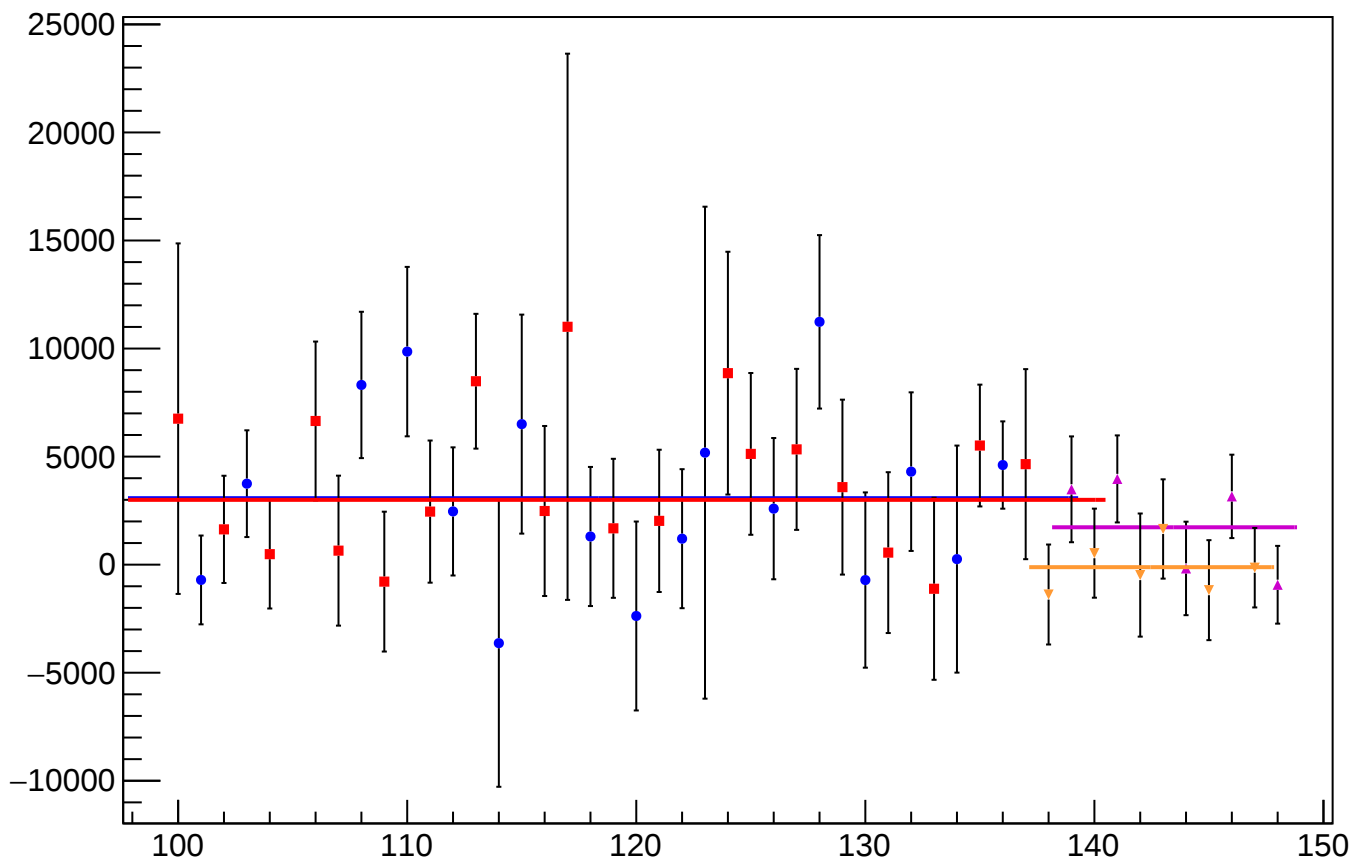
Left In: 1406.993+/-0.500 χ^2/NDF : 136759.0/4

1542.171+/-0.339 χ^2/NDF : 805618.5/22

1563.627+/-0.241 χ^2/NDF : 1565887.3/47

1585.392+/-0.341 χ^2/NDF : 752202.6/24

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: -116.335 $\pm$ 906.248 χ^2 /NDF: 1.2/5

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

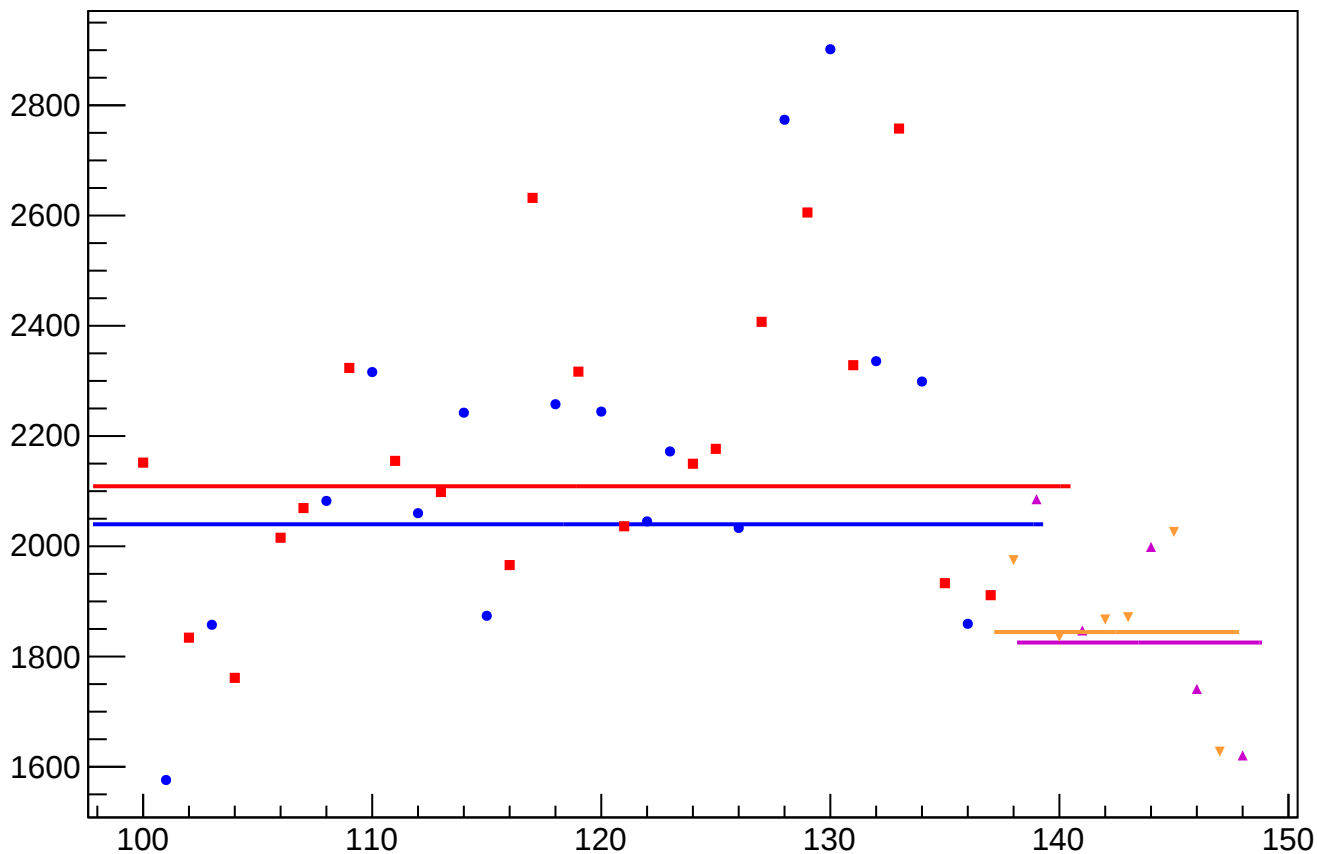
Left In: 1729.572 $\pm$ 911.140 χ^2 /NDF: 5.3/4

1673.100 $\pm$ 600.695 χ^2 /NDF: 26.8/22

2063.484 $\pm$ 424.024 χ^2 /NDF: 46.3/47

2451.189 $\pm$ 598.630 χ^2 /NDF: 18.6/24

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1844.438 $\pm$ 0.641 χ^2/NDF : 46979.4/5

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

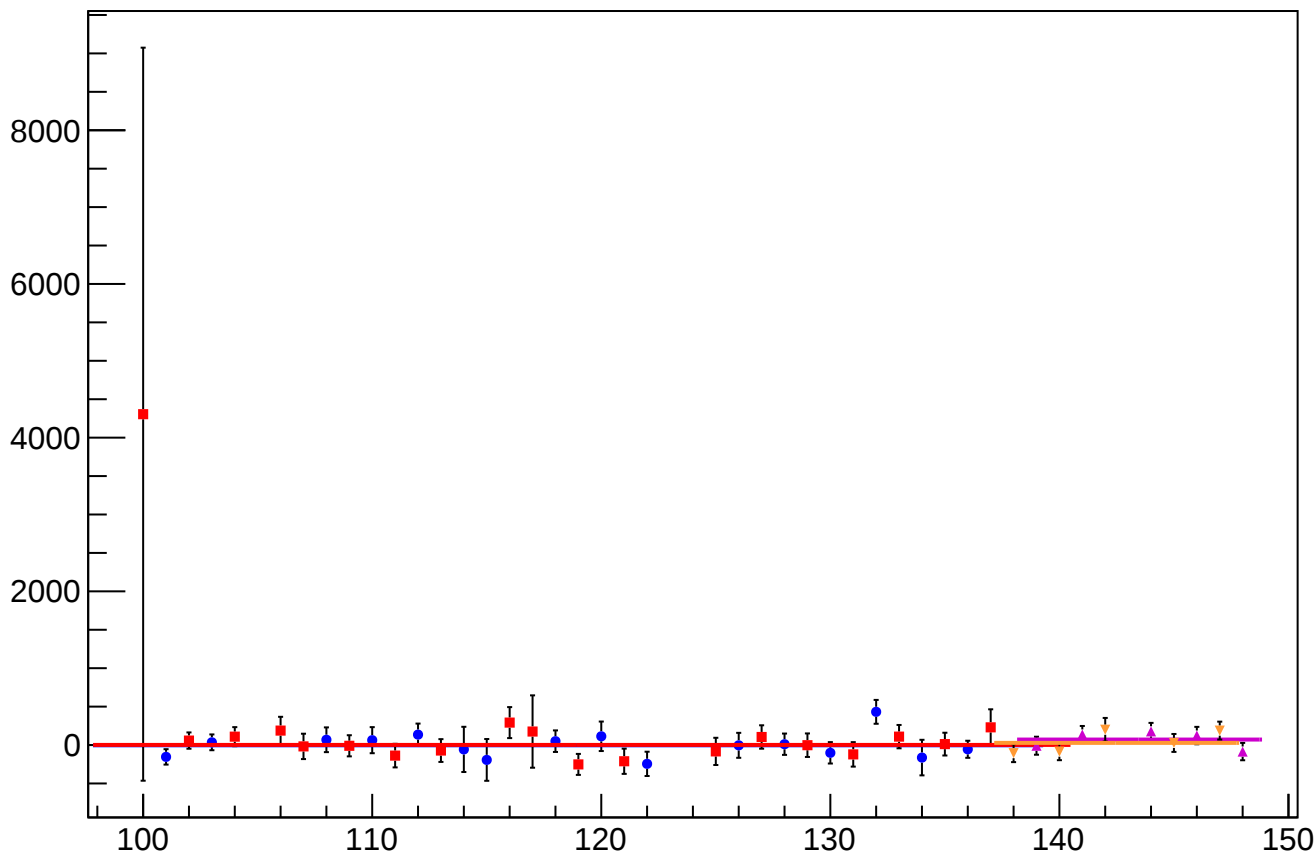
Left In: 1825.399 $\pm$ 0.644 χ^2/NDF : 65370.2/4

1954.047 $\pm$ 0.425 χ^2/NDF : 431147.1/22

1970.342 $\pm$ 0.300 χ^2/NDF : 808390.5/47

1986.526 $\pm$ 0.423 χ^2/NDF : 374309.8/24

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 28.081+/-53.985 χ^2/NDF : 5.5/4

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

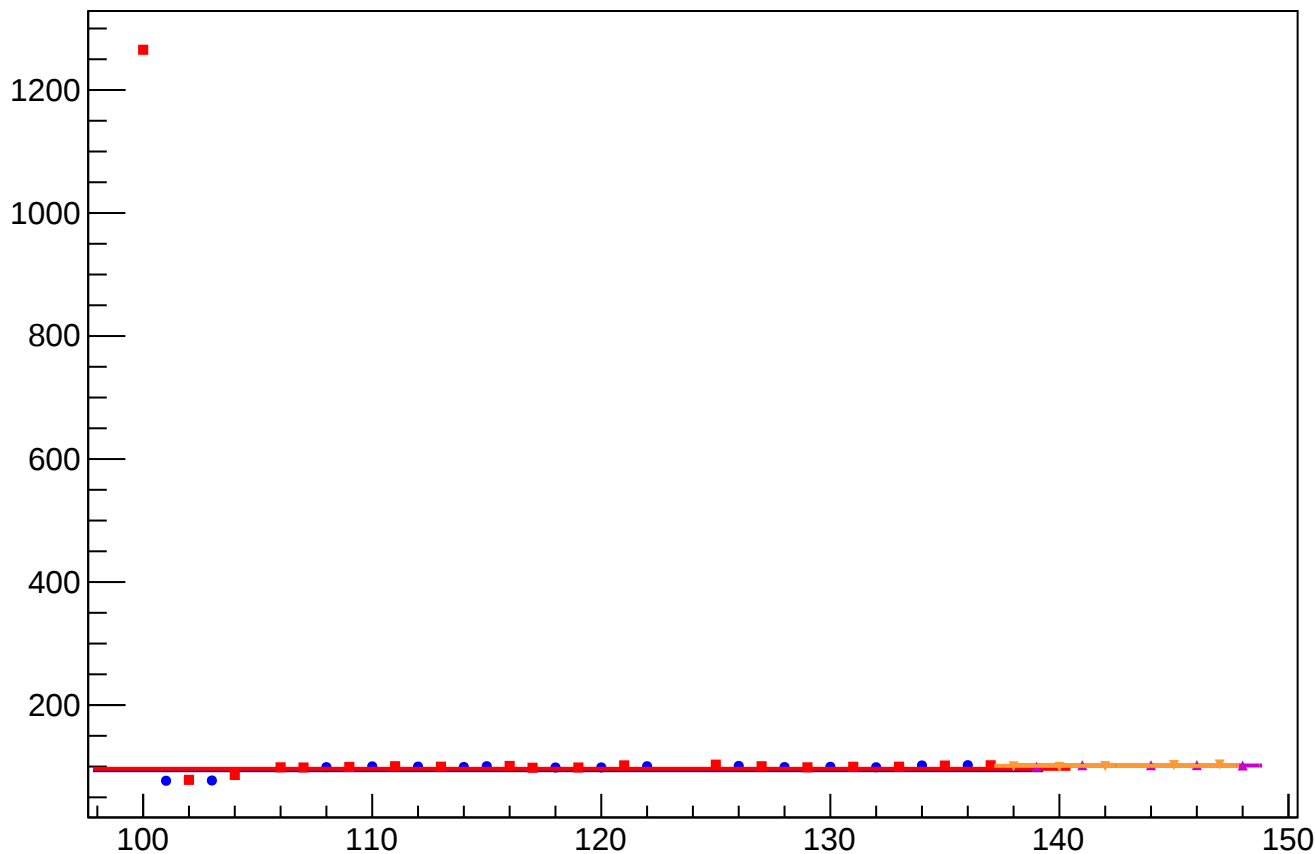
Left In: 71.324+/-50.500 χ^2/NDF : 3.9/4

6.636+/-30.359 χ^2/NDF : 21.8/20

16.331+/-21.204 χ^2/NDF : 41.3/44

25.565+/-29.629 χ^2/NDF : 19.2/23

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 101.228 $\pm$ 0.038 χ^2 /NDF:1535.0/4

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

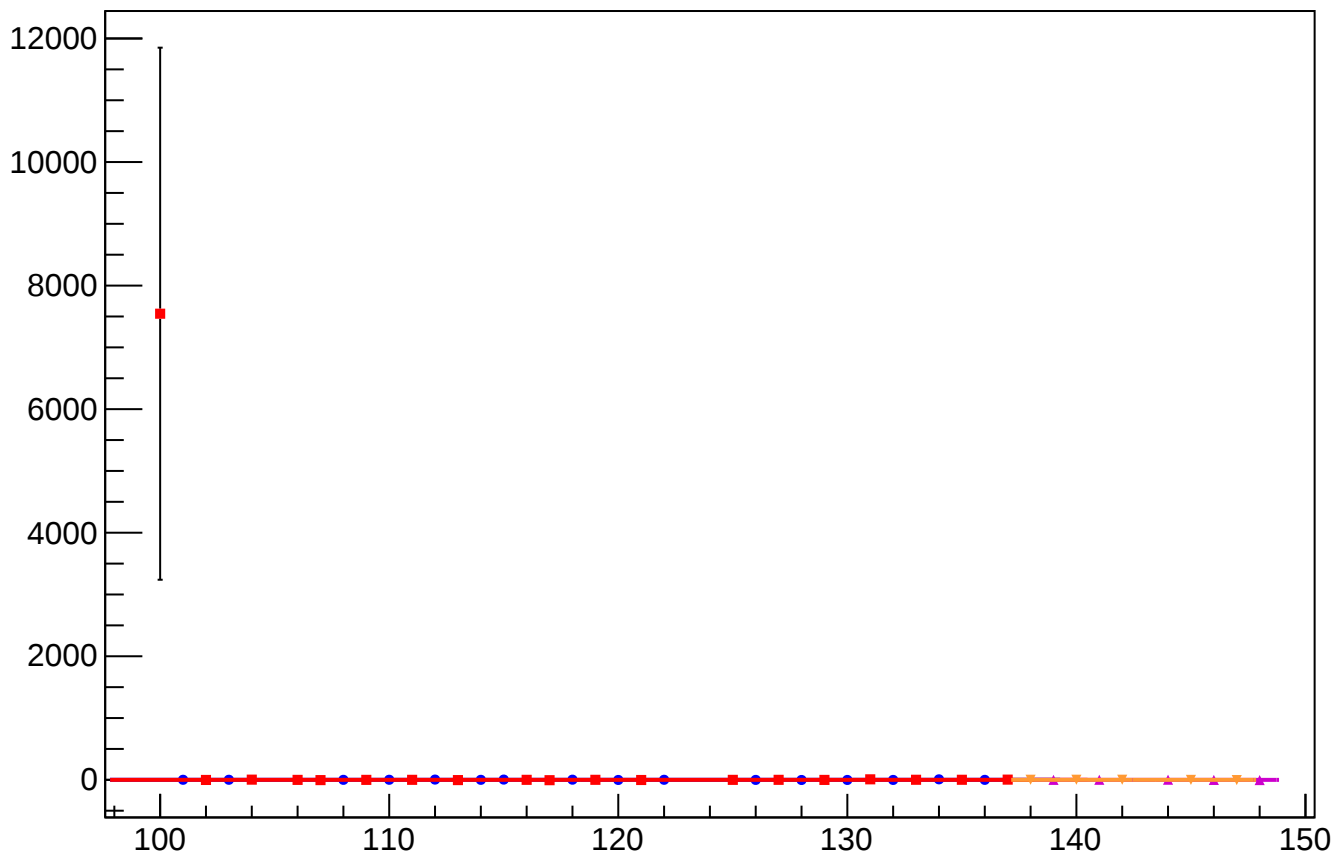
Left In: 101.722 $\pm$ 0.036 χ^2 /NDF:673.3/4

96.333 $\pm$ 0.021 χ^2 /NDF: 177874.7/20

97.300 $\pm$ 0.015 χ^2 /NDF: 406429.3/44

98.221 $\pm$ 0.021 χ^2 /NDF: 224592.2/23

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.362+/-0.936 χ^2/NDF : 5.6/4

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

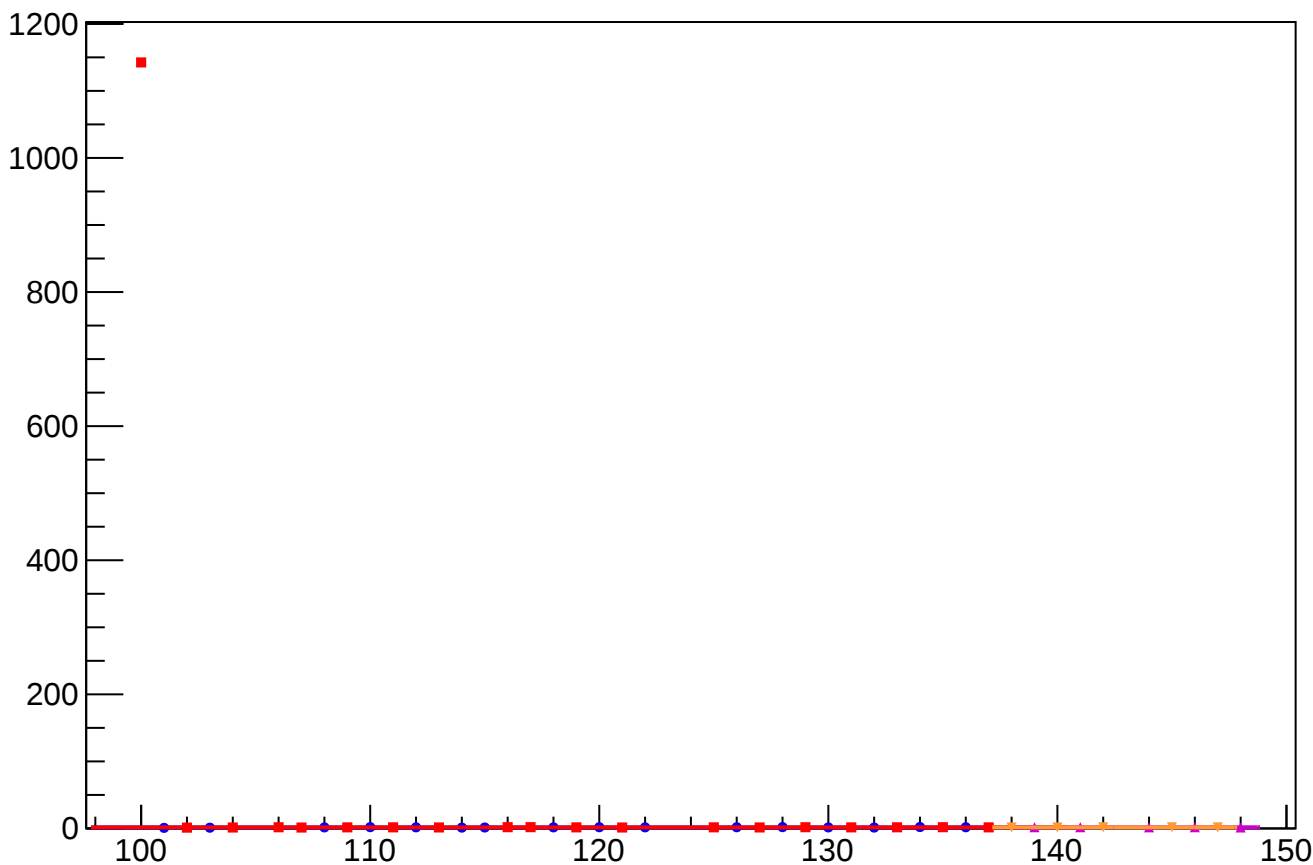
Left In: -0.747+/-0.922 χ^2/NDF : 5.6/4

0.188+/-0.515 χ^2/NDF : 15.8/20

-0.133+/-0.368 χ^2/NDF : 45.5/44

-0.470+/-0.526 χ^2/NDF : 28.9/23

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.618+/-0.001 χ^2/NDF : 17347.3/4

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

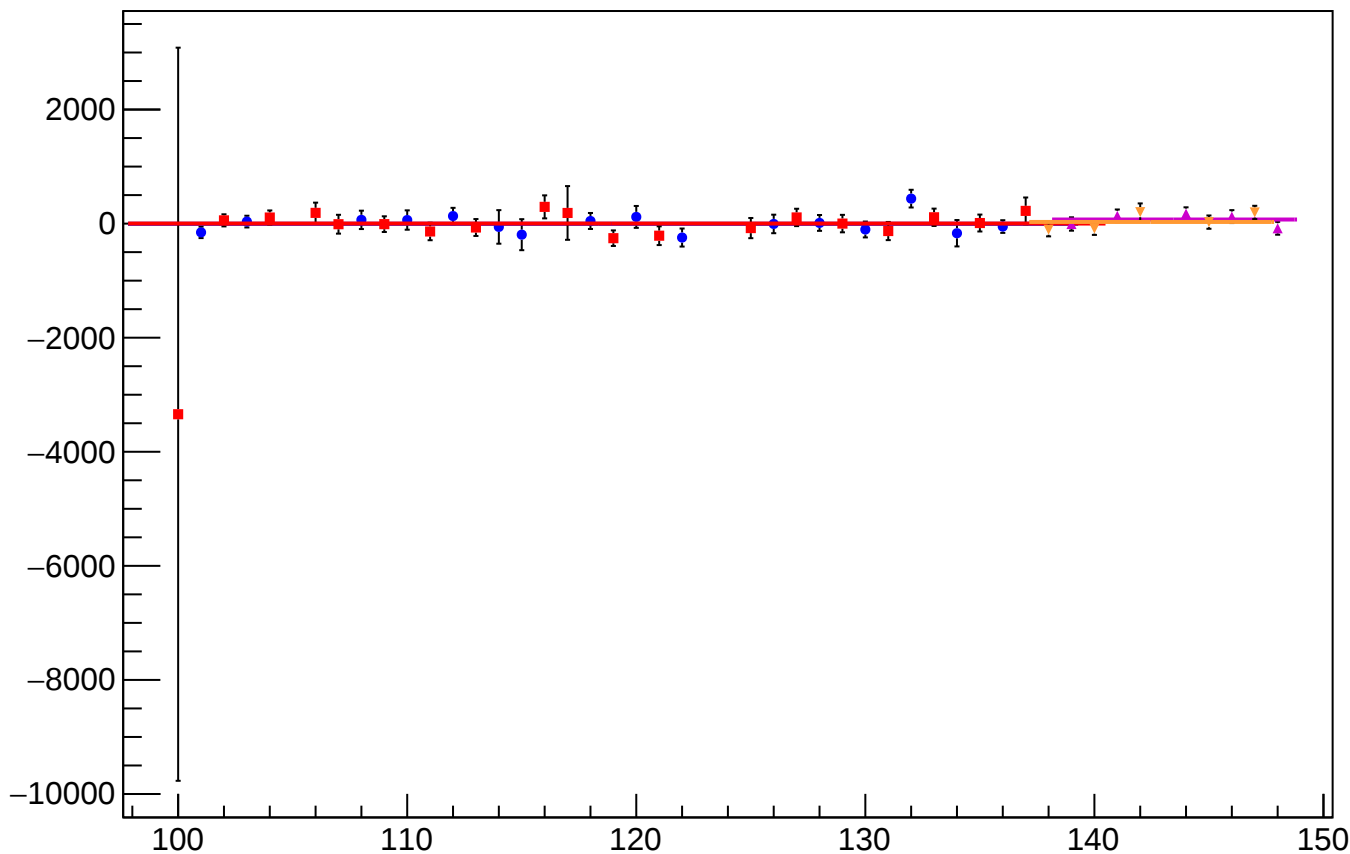
Left In: 1.729+/-0.001 χ^2/NDF : 51923.6/4

1.479+/-0.000 χ^2/NDF : 810752.7/20

1.545+/-0.000 χ^2/NDF : 1293890.9/44

1.613+/-0.000 χ^2/NDF : 417180.3/23

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 29.242 ± 53.999 χ^2/NDF : 5.7/4

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

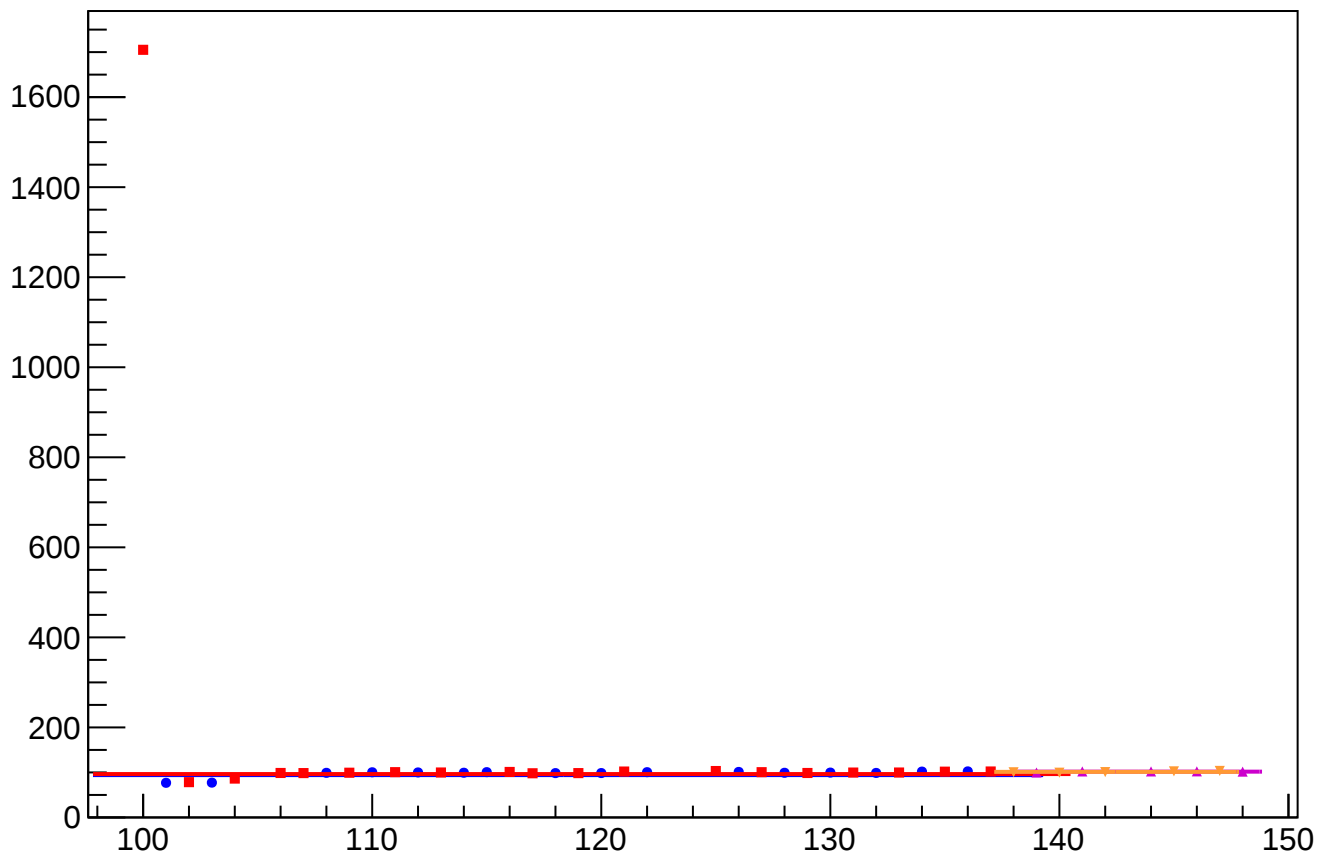
Left In: 71.896 ± 50.513 χ^2/NDF : 3.7/4

7.129 ± 30.366 χ^2/NDF : 22.3/20

16.590 ± 21.210 χ^2/NDF : 41.1/44

25.601 ± 29.637 χ^2/NDF : 18.7/23

asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.093 $\pm$ 0.026 χ^2 /NDF: 152305.3/15

Left Out: 101.254 $\pm$ 0.038 χ^2 /NDF: 1533.8/4

Right Out: 96.391 $\pm$ 0.026 χ^2 /NDF: 214389.8/18

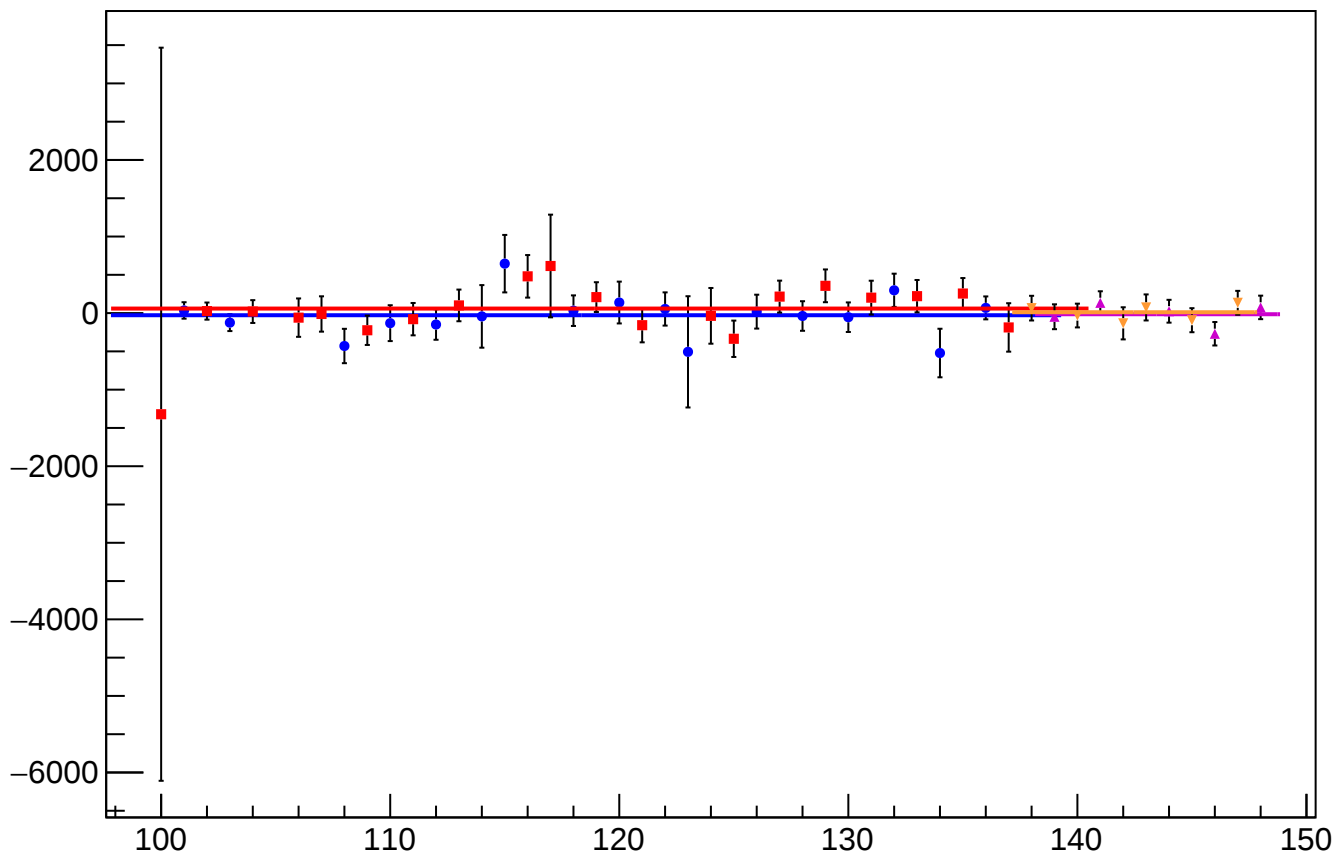
Left In: 101.750 $\pm$ 0.036 χ^2 /NDF: 673.1/4

96.357 $\pm$ 0.021 χ^2 /NDF: 177893.5/20

97.320 $\pm$ 0.015 χ^2 /NDF: 411634.6/44

98.236 $\pm$ 0.021 χ^2 /NDF: 229821.0/23

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 11.229 ± 67.567 χ^2/NDF : 1.9/5

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

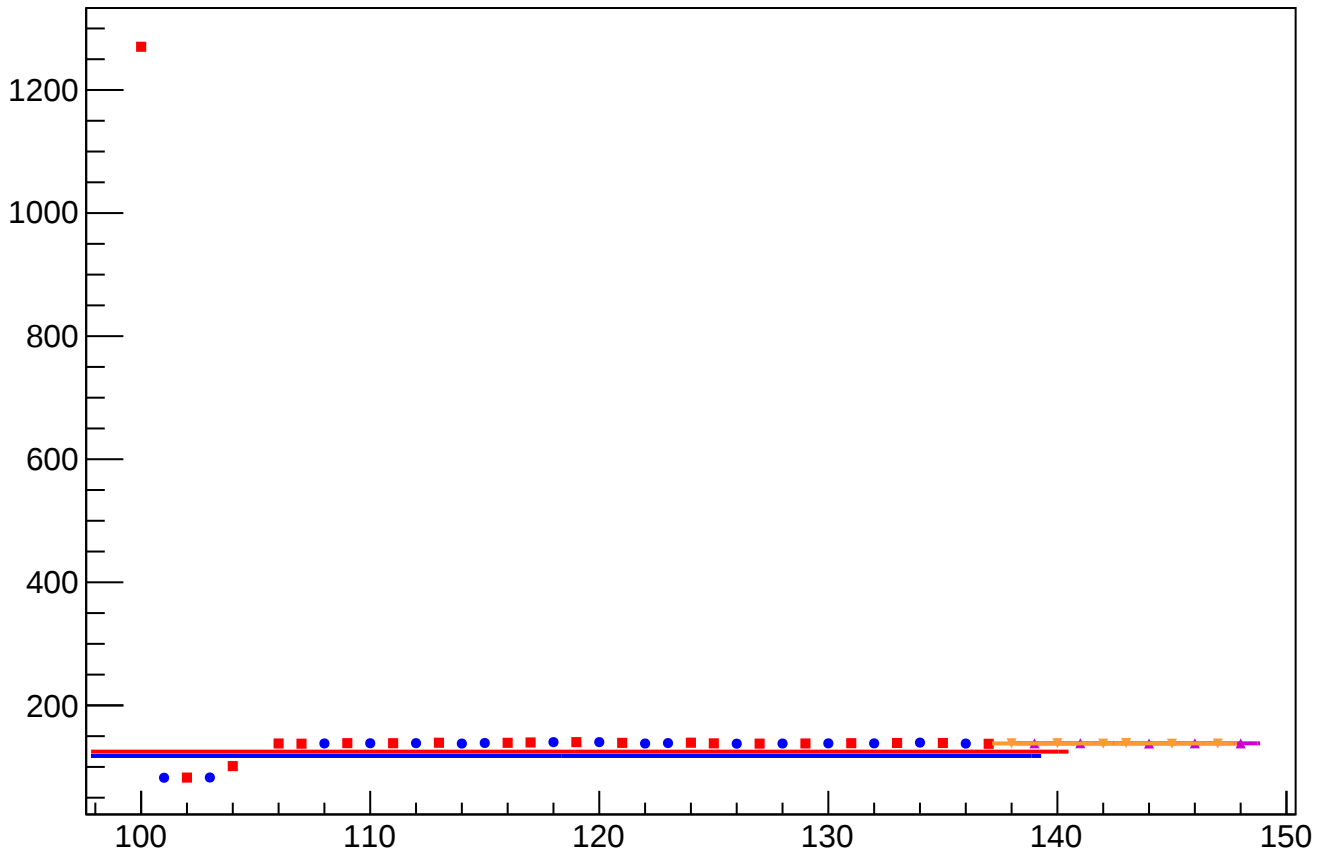
Left In: -14.833 ± 68.675 χ^2/NDF : 4.2/4

-15.182 ± 38.460 χ^2/NDF : 16.4/22

9.579 ± 27.424 χ^2/NDF : 37.8/47

35.191 ± 39.115 χ^2/NDF : 20.6/24

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.178 $\pm$ 0.048 χ^2 /NDF: 59.8/5

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

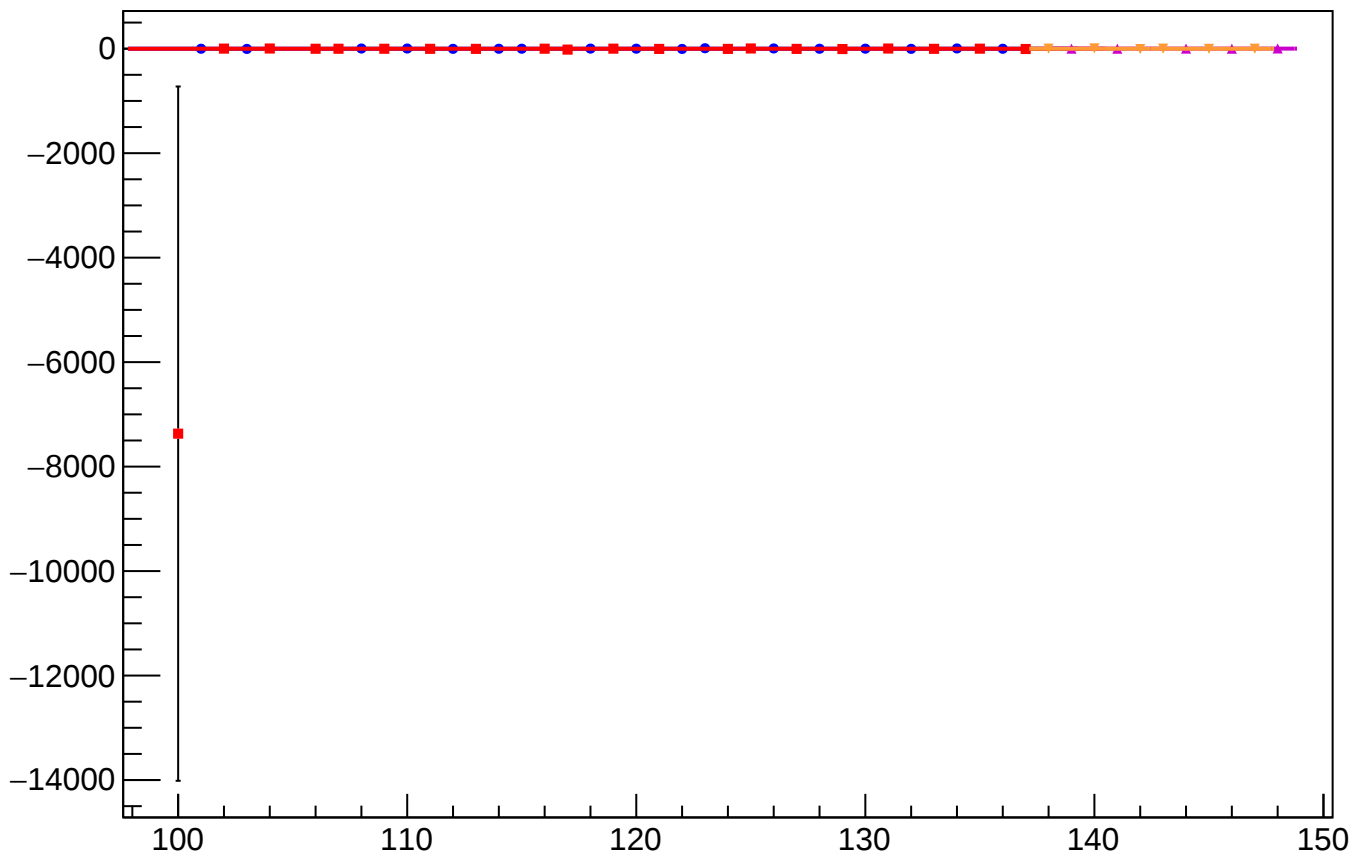
Left In: 138.332 $\pm$ 0.049 χ^2 /NDF: 10.1/4

124.412 $\pm$ 0.027 χ^2 /NDF: 789442.9/22

126.774 $\pm$ 0.019 χ^2 /NDF: 1427717.4/47

129.216 $\pm$ 0.028 χ^2 /NDF: 622937.5/24

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.111 ± 1.161 χ^2/NDF : 7.7/5

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

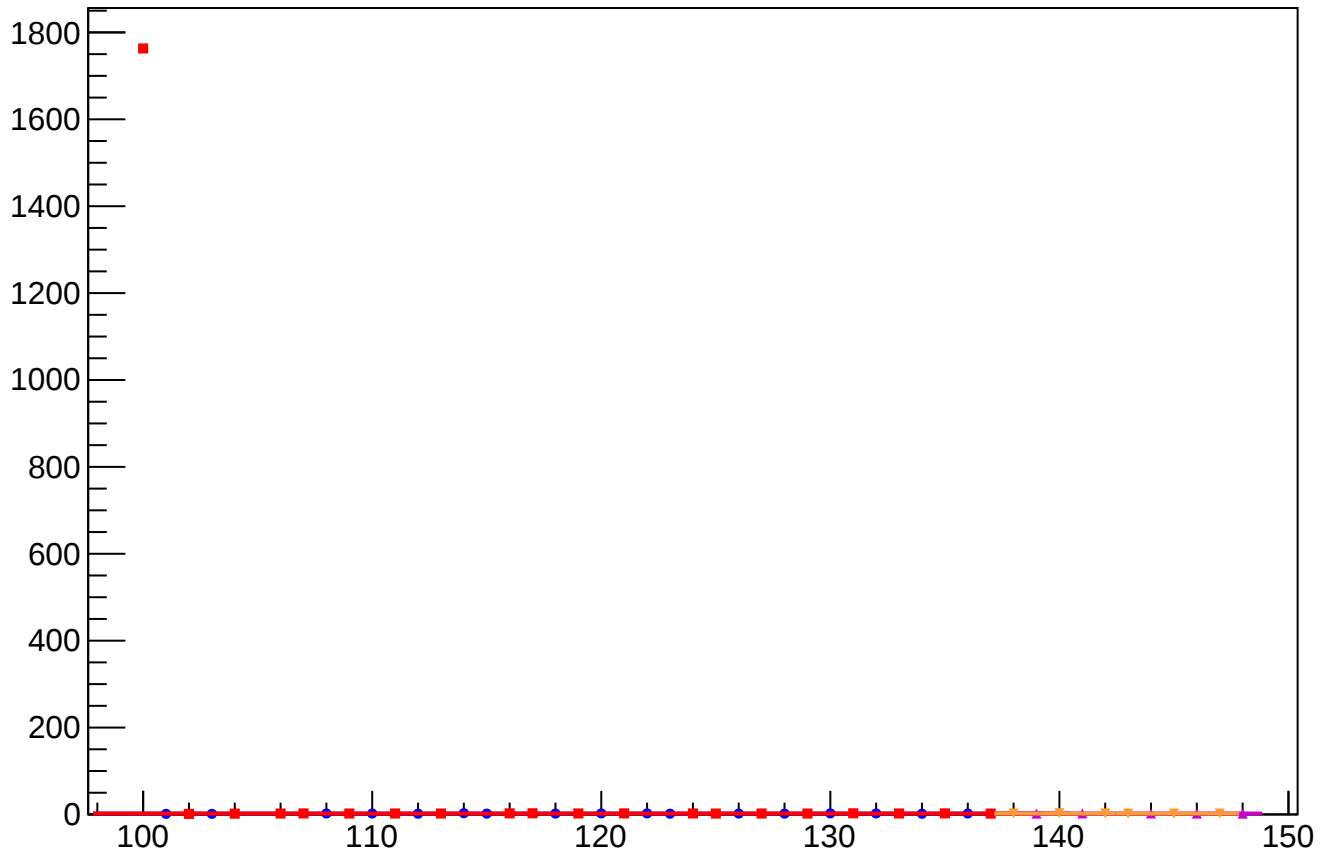
Left In: 1.547 ± 1.180 χ^2/NDF : 2.1/4

-0.504 ± 0.664 χ^2/NDF : 20.6/22

-0.235 ± 0.478 χ^2/NDF : 40.8/47

0.054 ± 0.689 χ^2/NDF : 19.9/24

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.166 $\pm$ 0.001 χ^2 /NDF:105438.6/5

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

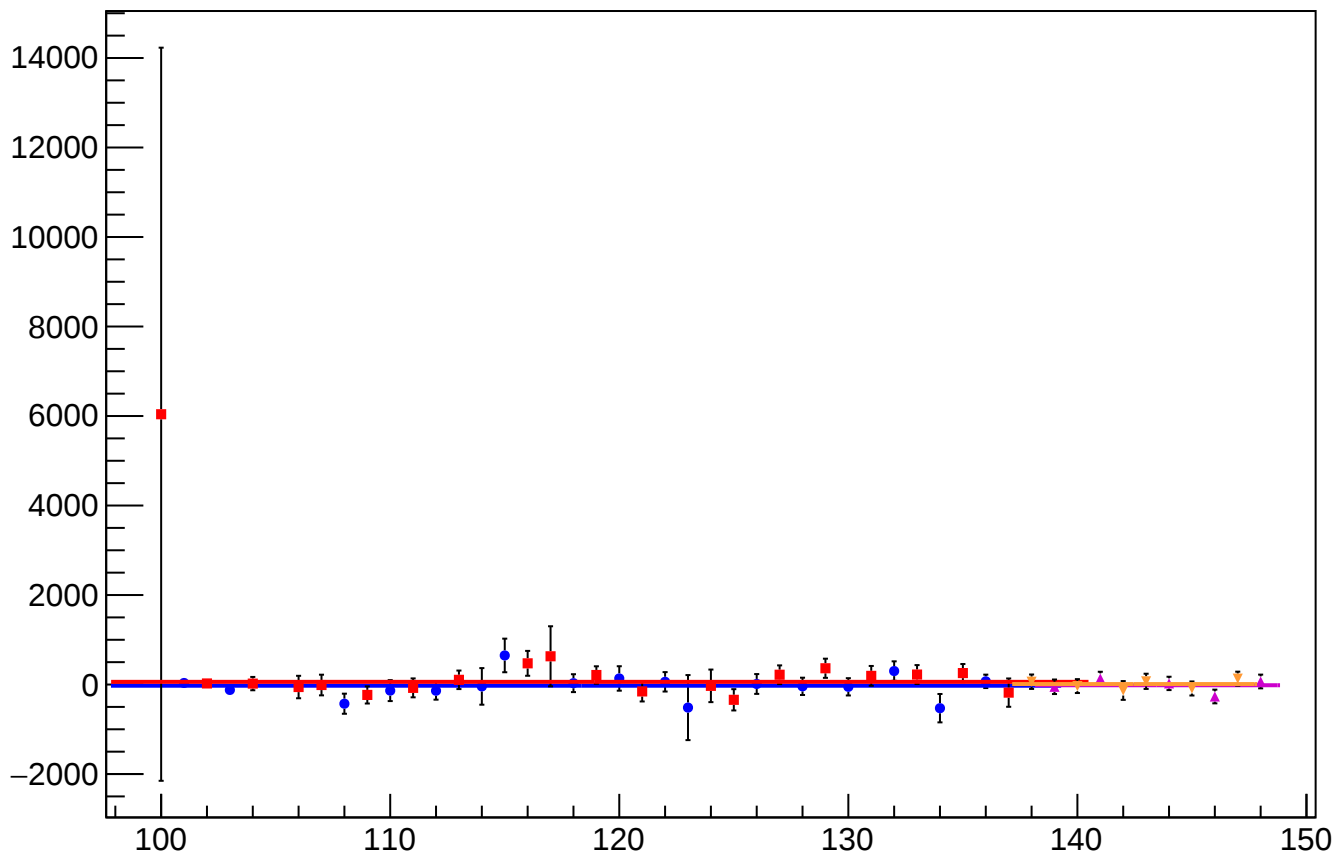
Left In: 2.164 $\pm$ 0.001 χ^2 /NDF:53005.9/4

1.967 $\pm$ 0.000 χ^2 /NDF: 686732.8/22

2.031 $\pm$ 0.000 χ^2 /NDF: 1318059.3/47

2.101 $\pm$ 0.000 χ^2 /NDF: 592049.9/24

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 10.602+/-67.585 χ^2 /NDF: 1.8/5

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

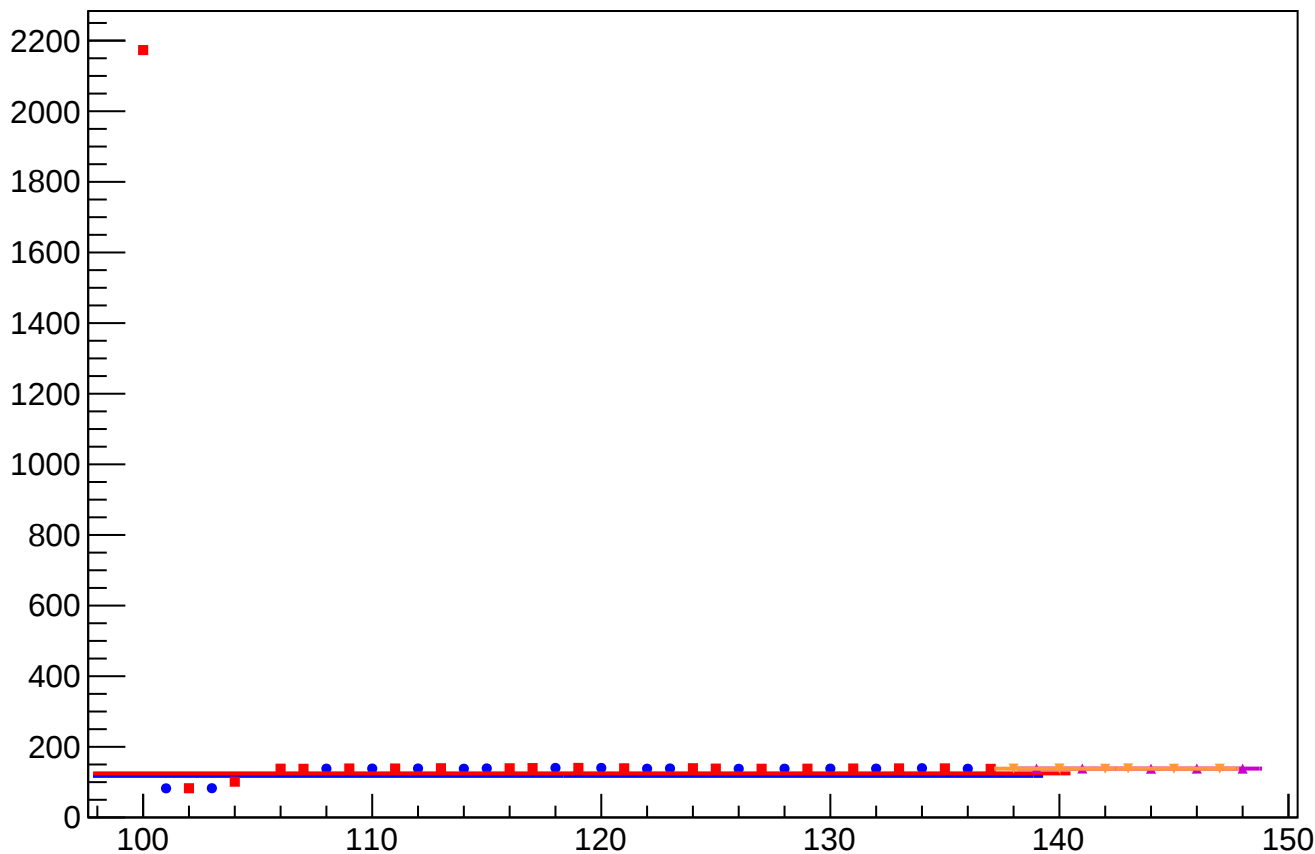
Left In: -15.738+/-68.693 χ^2 /NDF: 4.1/4

-14.316+/-38.470 χ^2 /NDF: 16.4/22

10.189+/-27.431 χ^2 /NDF: 38.3/47

35.536+/-39.126 χ^2 /NDF: 21.2/24

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.215 $\pm$ 0.048 χ^2 /NDF: 59.4/5

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

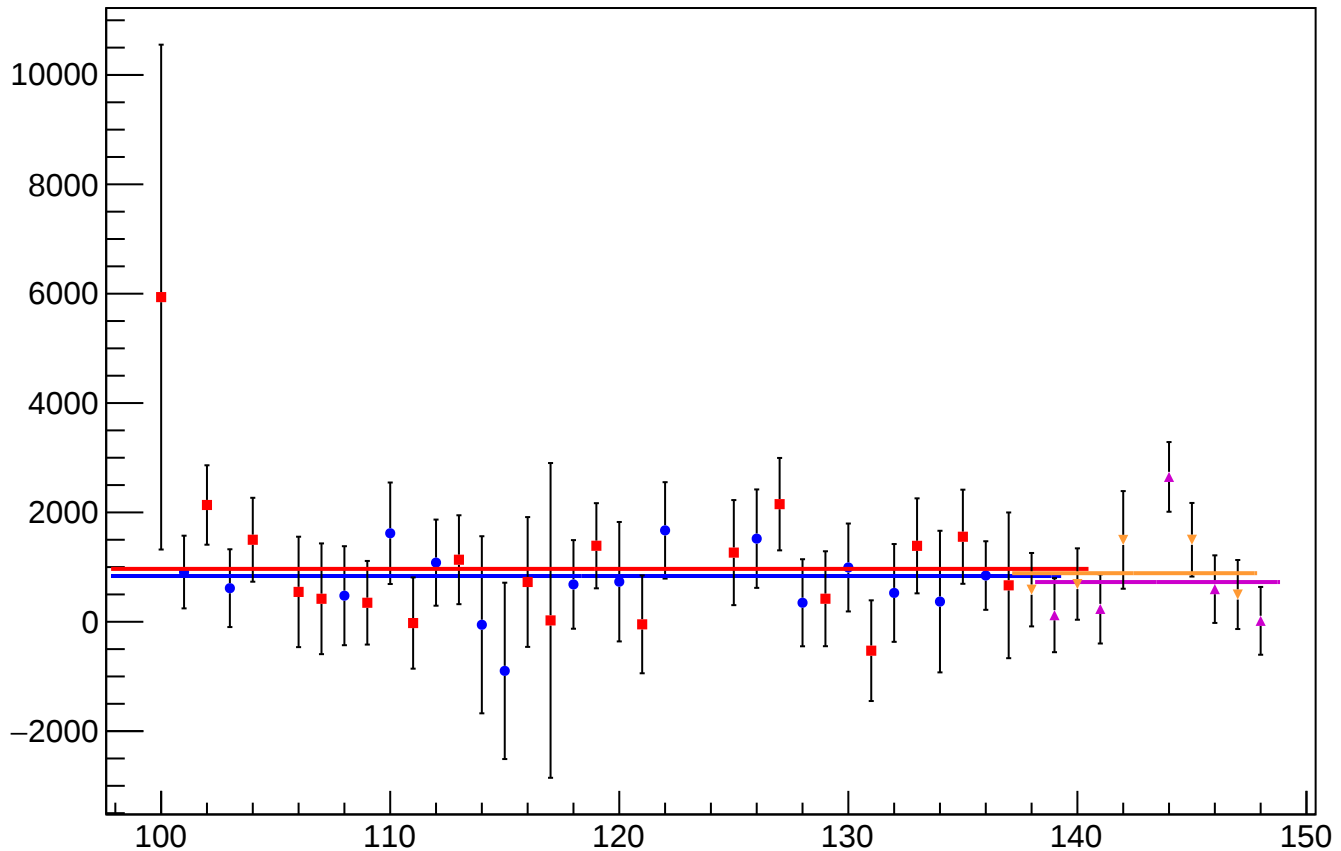
Left In: 138.368 $\pm$ 0.049 χ^2 /NDF: 10.3/4

124.446 $\pm$ 0.027 χ^2 /NDF: 789479.3/22

126.793 $\pm$ 0.019 χ^2 /NDF: 1438480.0/47

129.221 $\pm$ 0.028 χ^2 /NDF: 633855.9/24

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 888.498 $\pm$ 308.062 χ^2 /NDF: 2.0/4

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

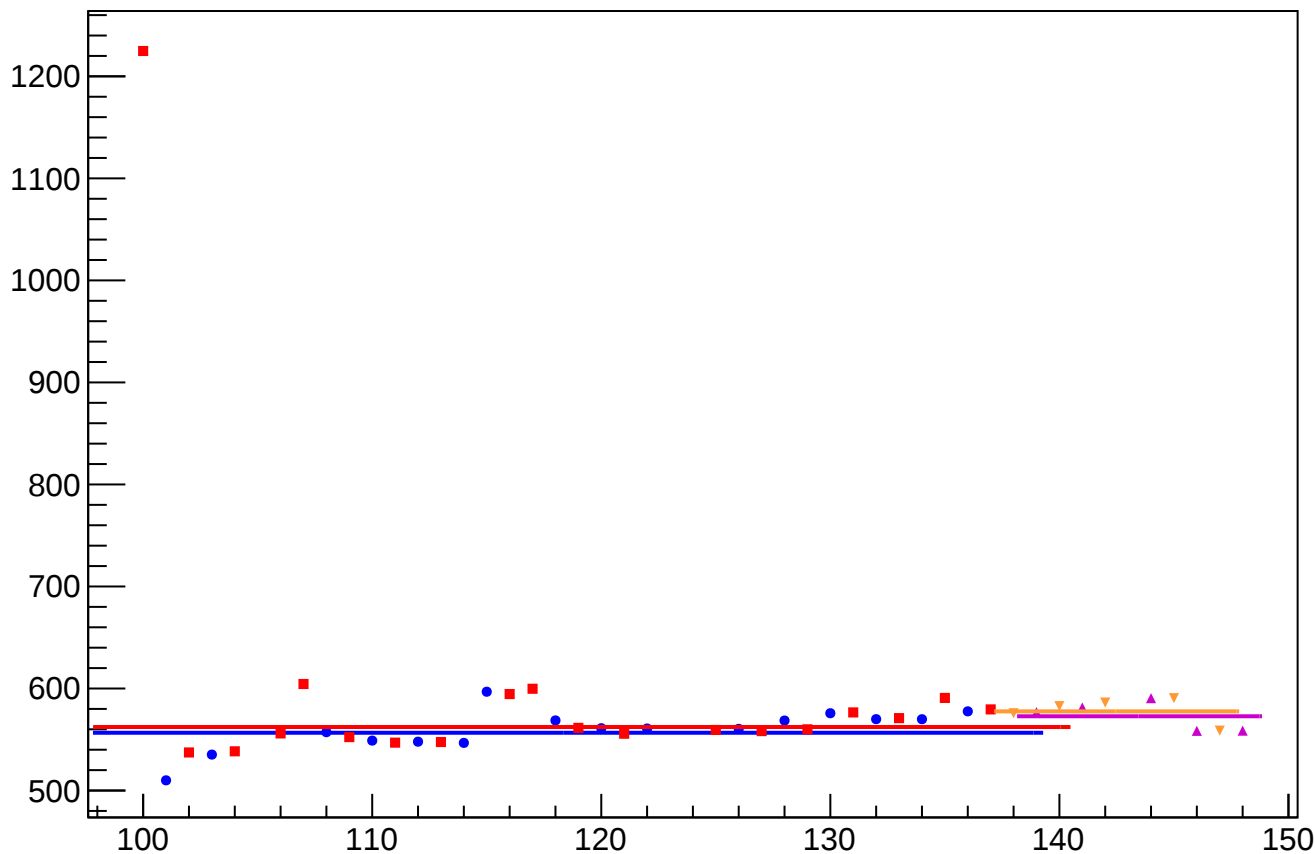
Left In: 726.462 $\pm$ 284.418 χ^2 /NDF: 11.9/4

854.024 $\pm$ 176.957 χ^2 /NDF: 6.7/20

868.142 $\pm$ 122.617 χ^2 /NDF: 33.4/44

881.180 $\pm$ 170.062 χ^2 /NDF: 26.7/23

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 577.594 ± 0.218 χ^2/NDF : 2851.3/4

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

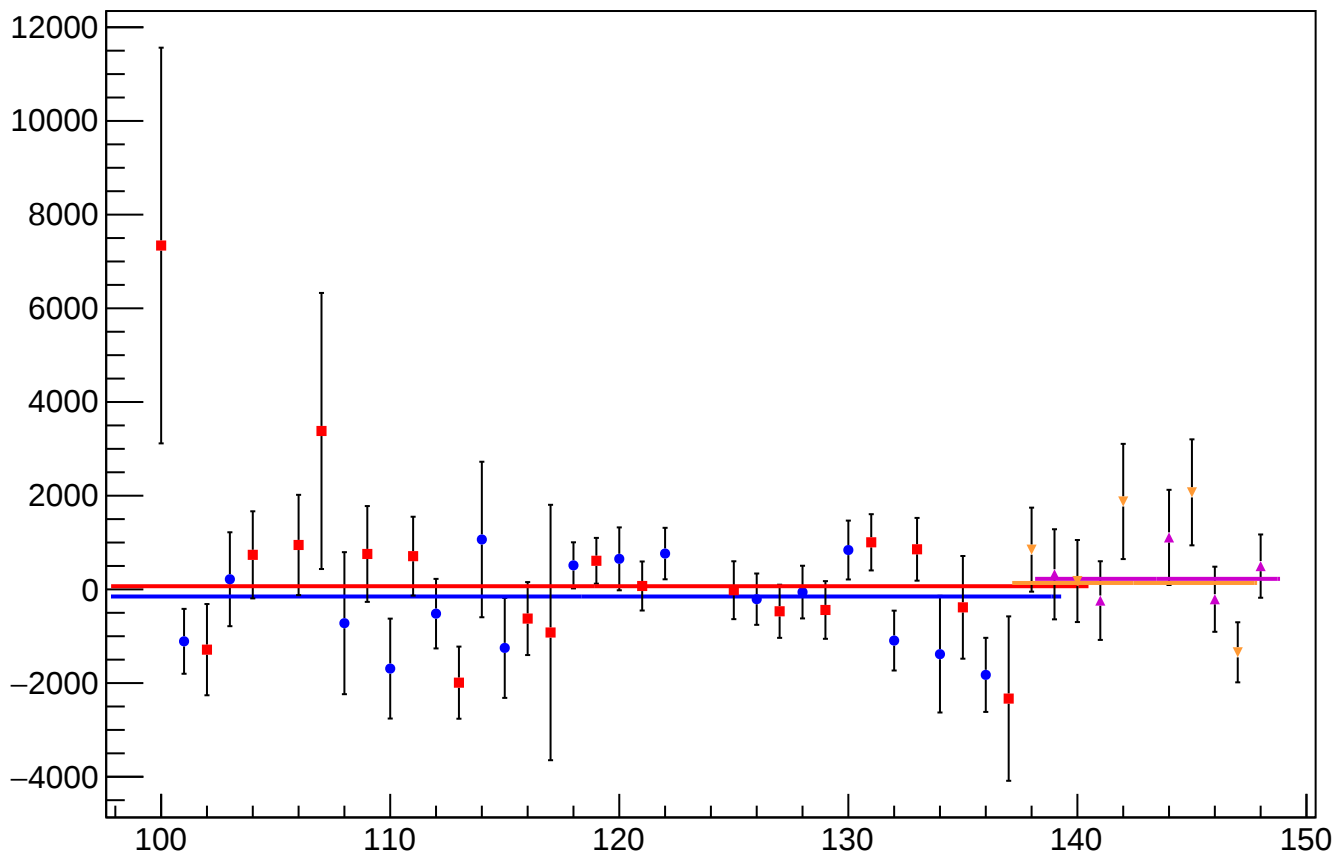
Left In: 572.790 ± 0.201 χ^2/NDF : 4095.8/4

563.552 ± 0.125 χ^2/NDF : 27444.3/20

564.835 ± 0.087 χ^2/NDF : 89422.7/44

566.020 ± 0.120 χ^2/NDF : 61776.2/23

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -151.876 ± 180.078 $\chi^2/\text{NDF}: 22.3/15$

Left Out: 137.026 ± 394.625 $\chi^2/\text{NDF}: 10.9/4$

Right Out: 67.516 ± 178.283 $\chi^2/\text{NDF}: 25.1/18$

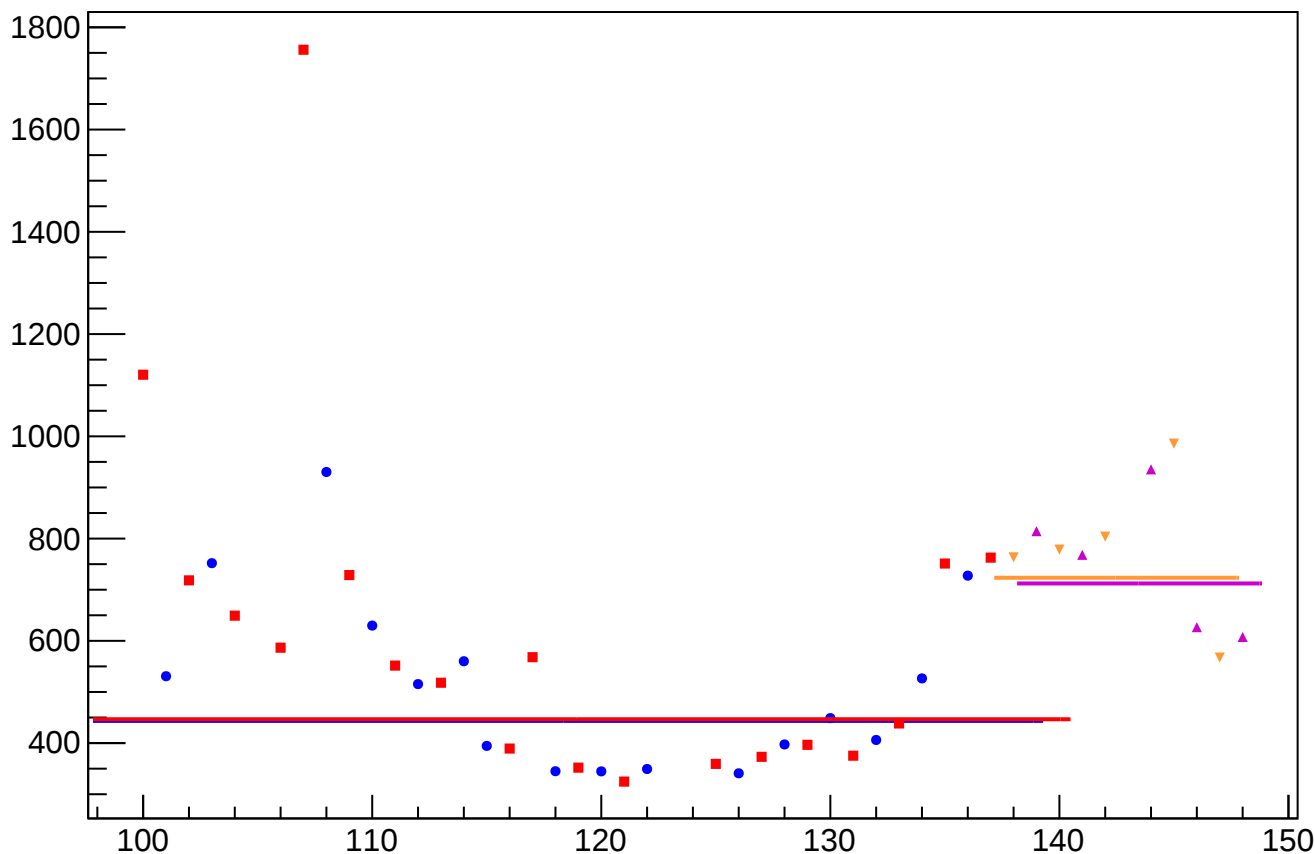
Left In: 224.830 ± 359.678 $\chi^2/\text{NDF}: 1.6/4$

-102.085 ± 163.827 $\chi^2/\text{NDF}: 33.6/20$

0.765 ± 114.370 $\chi^2/\text{NDF}: 61.3/44$

98.544 ± 159.737 $\chi^2/\text{NDF}: 26.9/23$

asym_left_avg_correction_rms vs Slug, Sign Corrected



Right In: 443.451 $\pm$ 0.127 χ^2/NDF : 1060940.9/15

Left Out: 723.391 $\pm$ 0.279 χ^2/NDF : 246376.6/4

Right Out: 446.668 $\pm$ 0.126 χ^2/NDF : 1463968.9/18

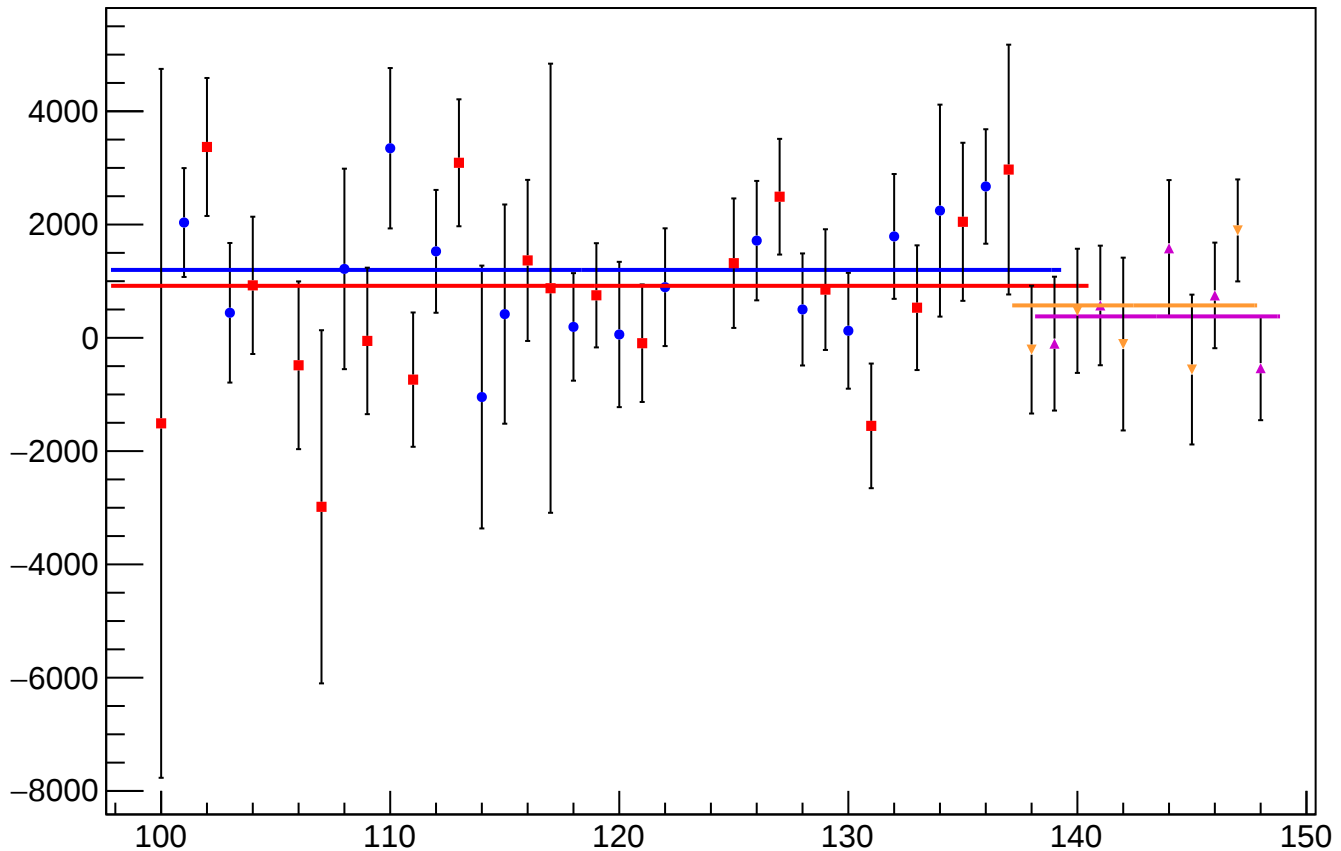
Left In: 712.250 $\pm$ 0.254 χ^2/NDF : 206386.0/4

491.697 $\pm$ 0.116 χ^2/NDF : 2140307.4/20

495.467 $\pm$ 0.081 χ^2/NDF : 4688088.7/44

499.050 $\pm$ 0.113 χ^2/NDF : 2545716.3/23

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 572.370 $\pm$ 509.434 χ^2/NDF : 3.6/4

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

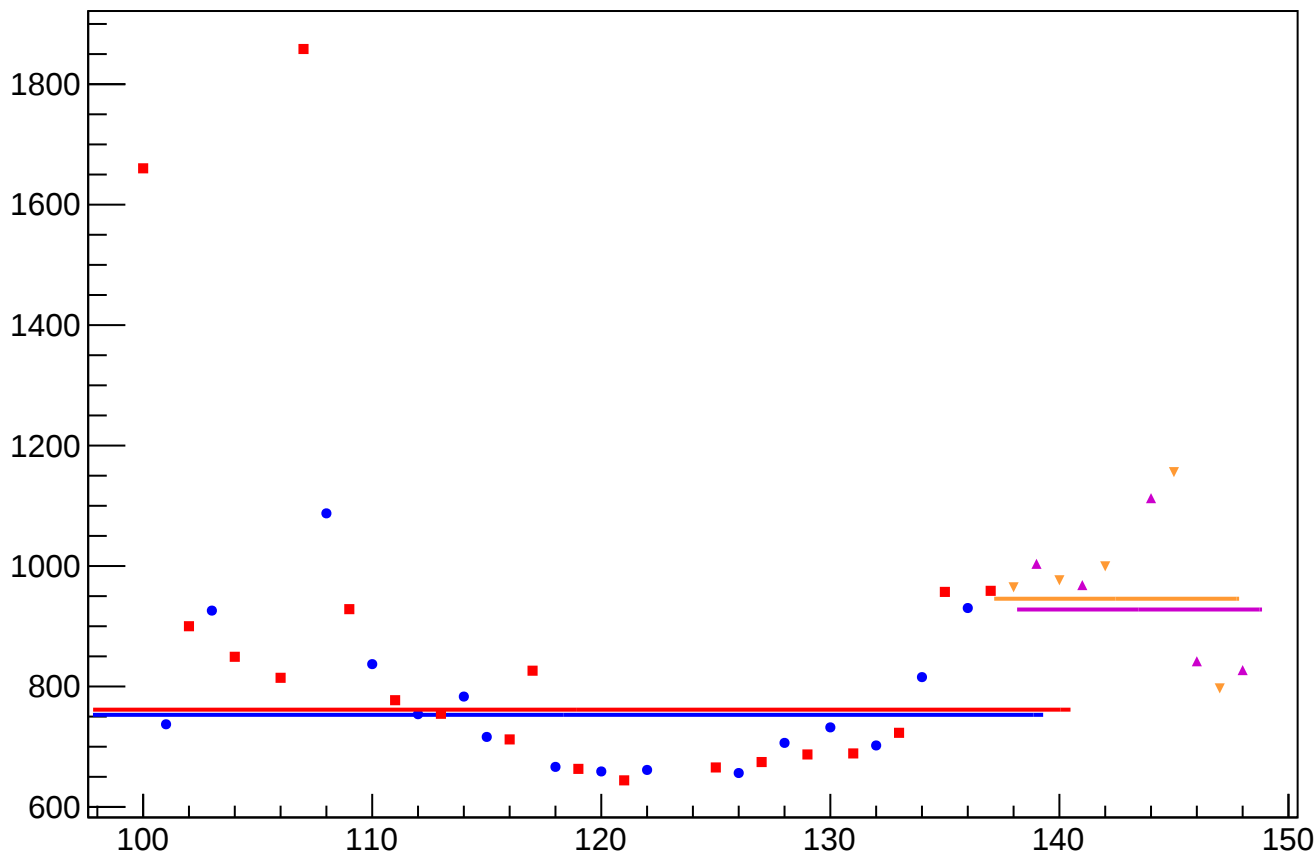
Left In: 378.472 $\pm$ 464.313 χ^2/NDF : 2.3/4

1041.426 $\pm$ 255.444 χ^2/NDF : 15.9/20

898.761 $\pm$ 177.745 χ^2/NDF : 43.0/44

764.850 $\pm$ 247.483 χ^2/NDF : 26.5/23

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 945.694 $\pm$ 0.360 χ^2 /NDF: 109789.6/4

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

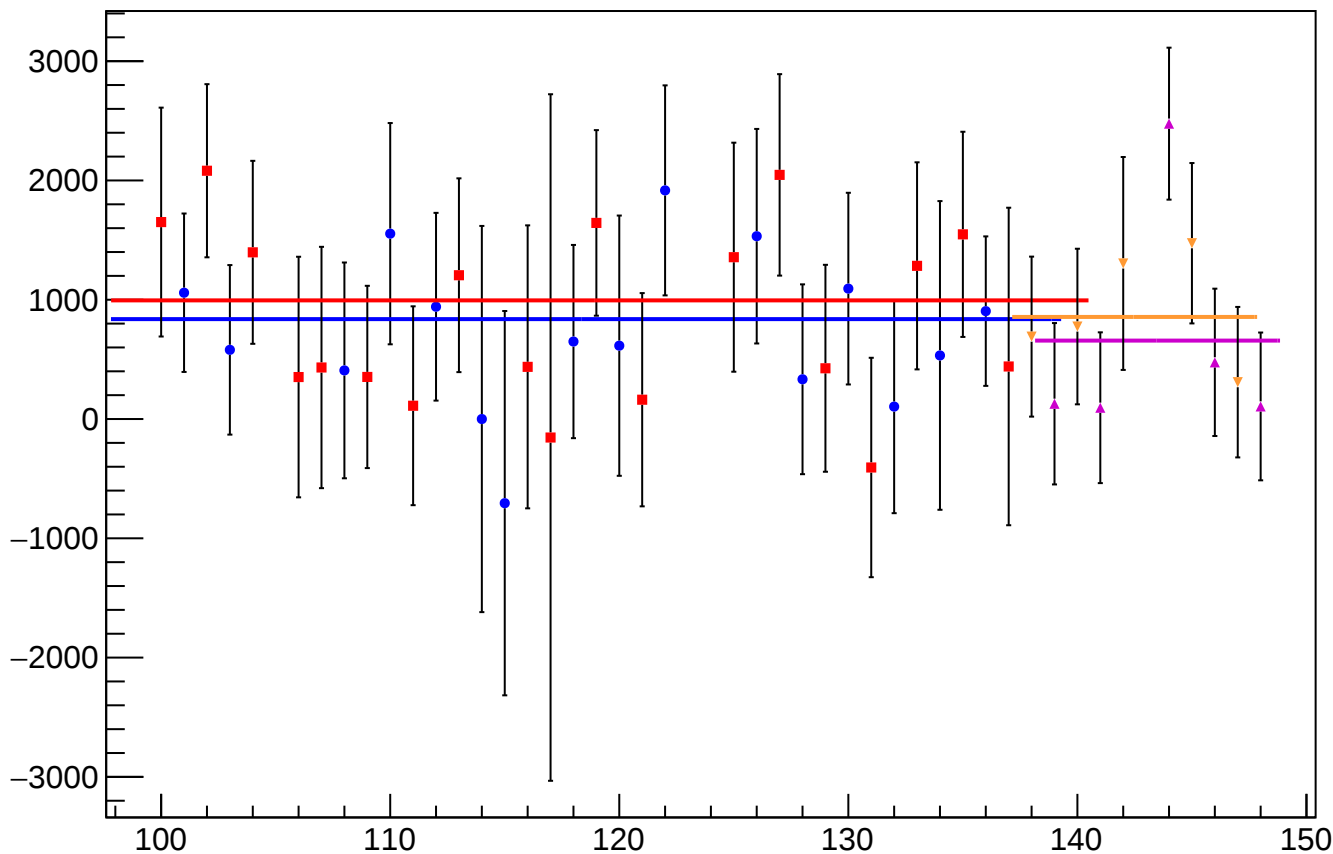
Left In: 927.796 $\pm$ 0.328 χ^2 /NDF: 99274.5/4

801.402 $\pm$ 0.181 χ^2 /NDF: 576657.3/20

805.195 $\pm$ 0.126 χ^2 /NDF: 1378092.0/44

808.755 $\pm$ 0.175 χ^2 /NDF: 800580.0/23

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 855.827 ± 307.797 χ^2/NDF : 1.9/4

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

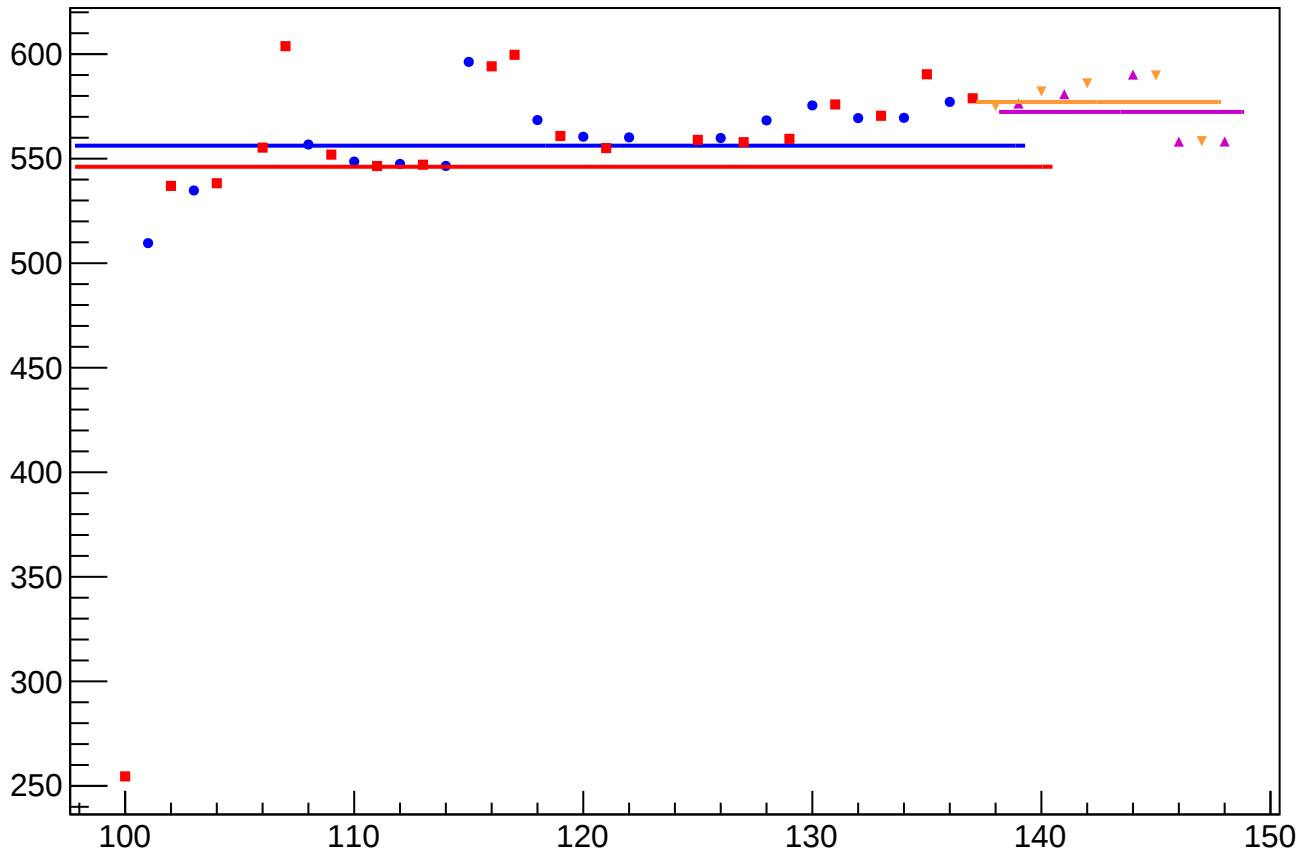
Left In: 657.513 ± 284.201 χ^2/NDF : 10.4/4

843.586 ± 176.816 χ^2/NDF : 7.6/20

861.531 ± 121.574 χ^2/NDF : 31.7/44

877.622 ± 167.432 χ^2/NDF : 24.0/23

reg_asym_left_dd_rms vs Slug, Sign Corrected



Right In: 556.210 +/- 0.153 χ^2/NDF : 18417.4/15

Left Out: 577.097 +/- 0.218 χ^2/NDF : 2808.4/4

Right Out: 546.124 +/- 0.147 χ^2/NDF : 208336.6/18

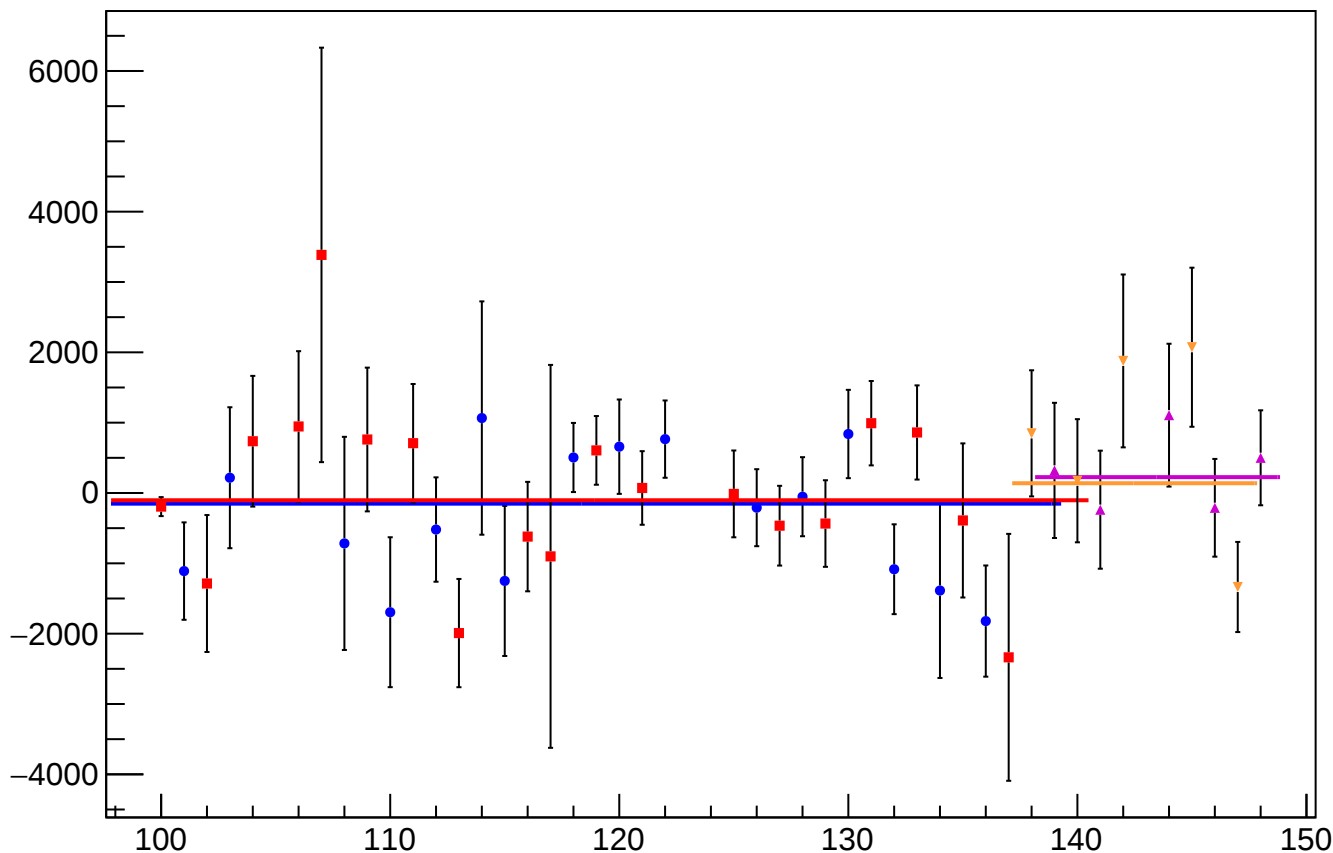
Left In: 572.354 +/- 0.201 χ^2/NDF : 4102.6/4

563.103 +/- 0.125 χ^2/NDF : 27396.0/20

558.951 +/- 0.086 χ^2/NDF : 253050.4/44

555.227 +/- 0.118 χ^2/NDF : 223562.5/23

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 138.874+/-394.438 χ^2/NDF : 10.9/4

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

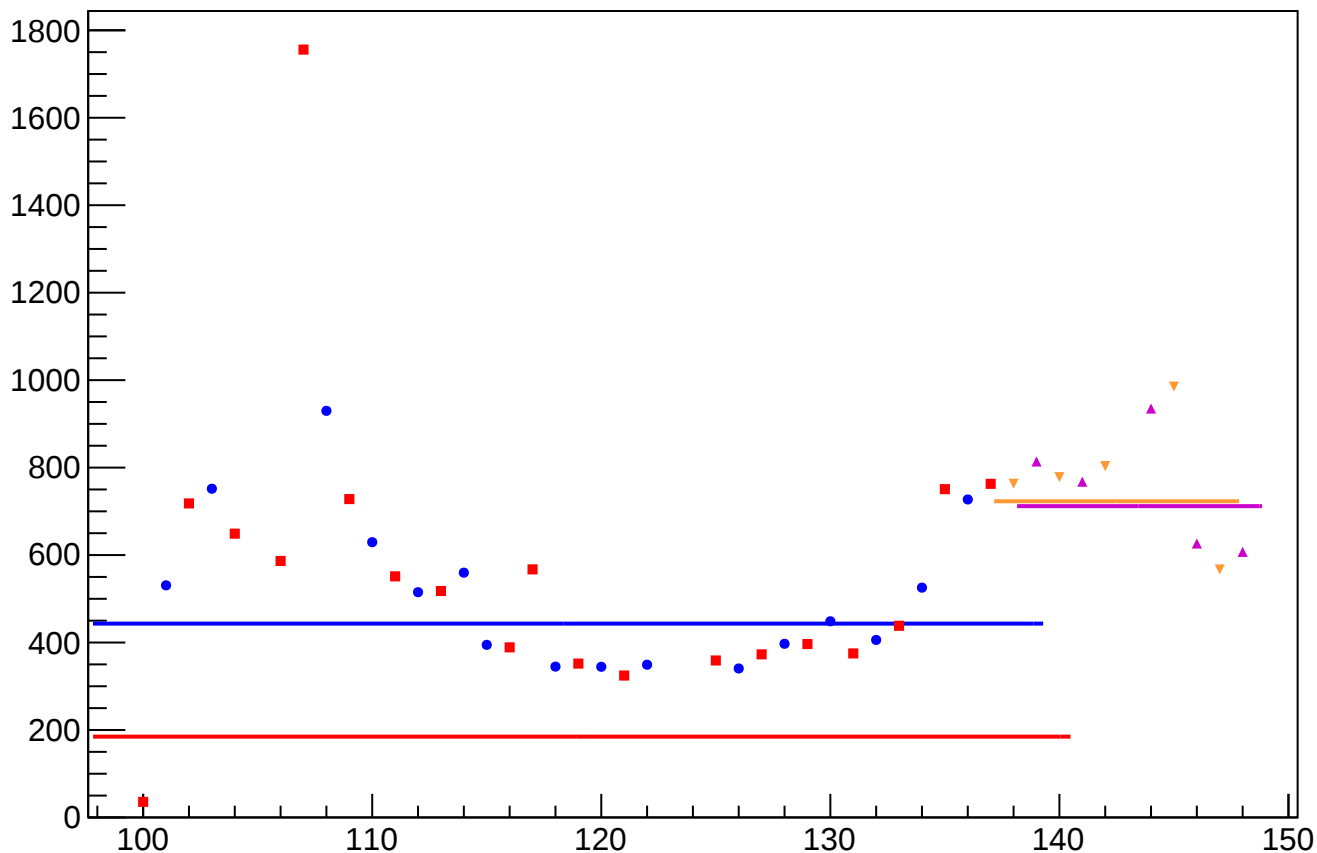
Left In: 225.582+/-359.492 χ^2/NDF : 1.6/4

-101.422+/-163.748 χ^2/NDF : 33.6/20

-83.413+/-87.248 χ^2/NDF : 59.3/44

-76.274+/-103.102 χ^2/NDF : 25.7/23

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 723.038+/-0.279 χ^2/NDF : 246589.0/4

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

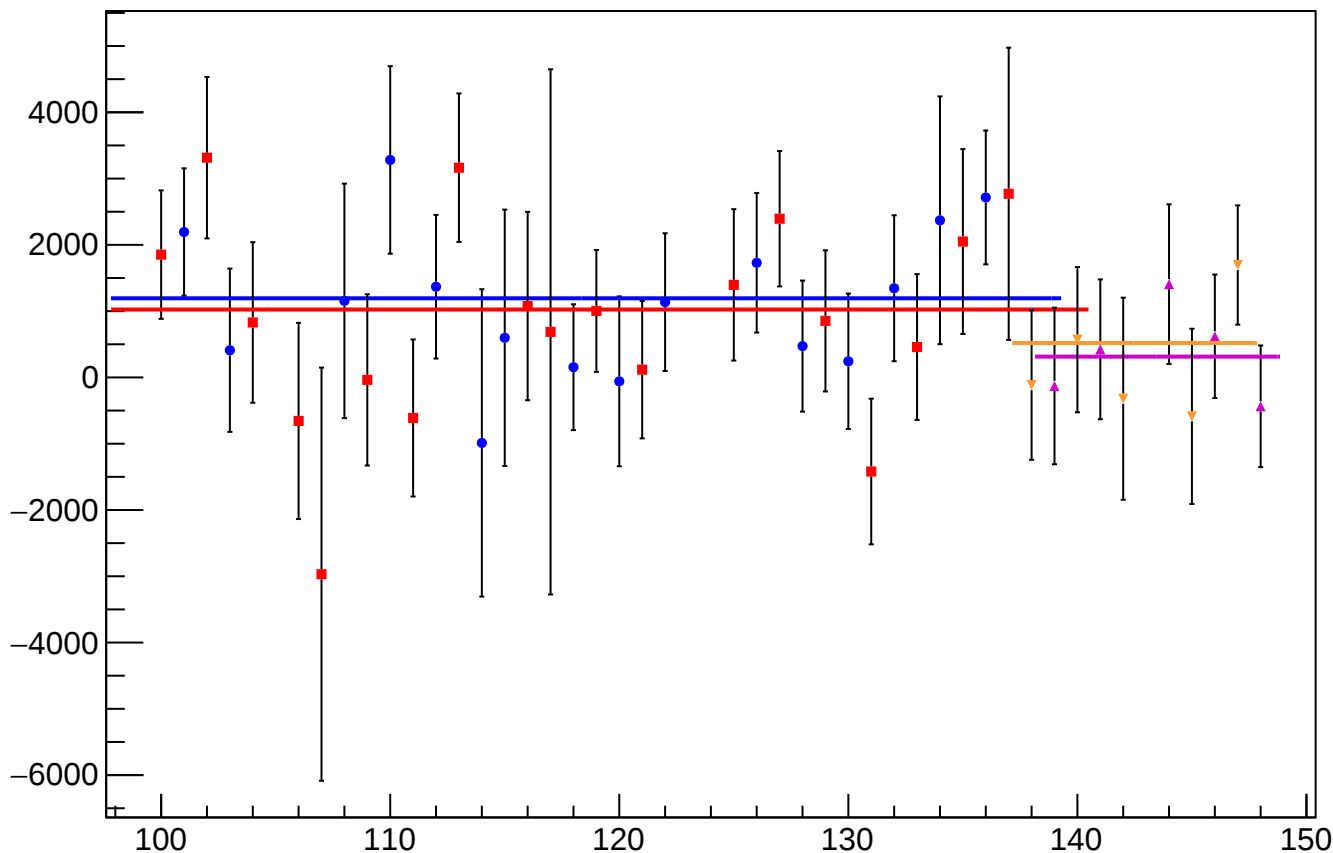
Left In: 711.884+/-0.254 χ^2/NDF : 206261.6/4

491.461+/-0.116 χ^2/NDF : 2140312.4/20

302.915+/-0.062 χ^2/NDF : 18114338.4/44

228.167+/-0.073 χ^2/NDF : 12271156.5/23

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 519.597 $\pm$ 509.137 χ^2/NDF : 3.0/4

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

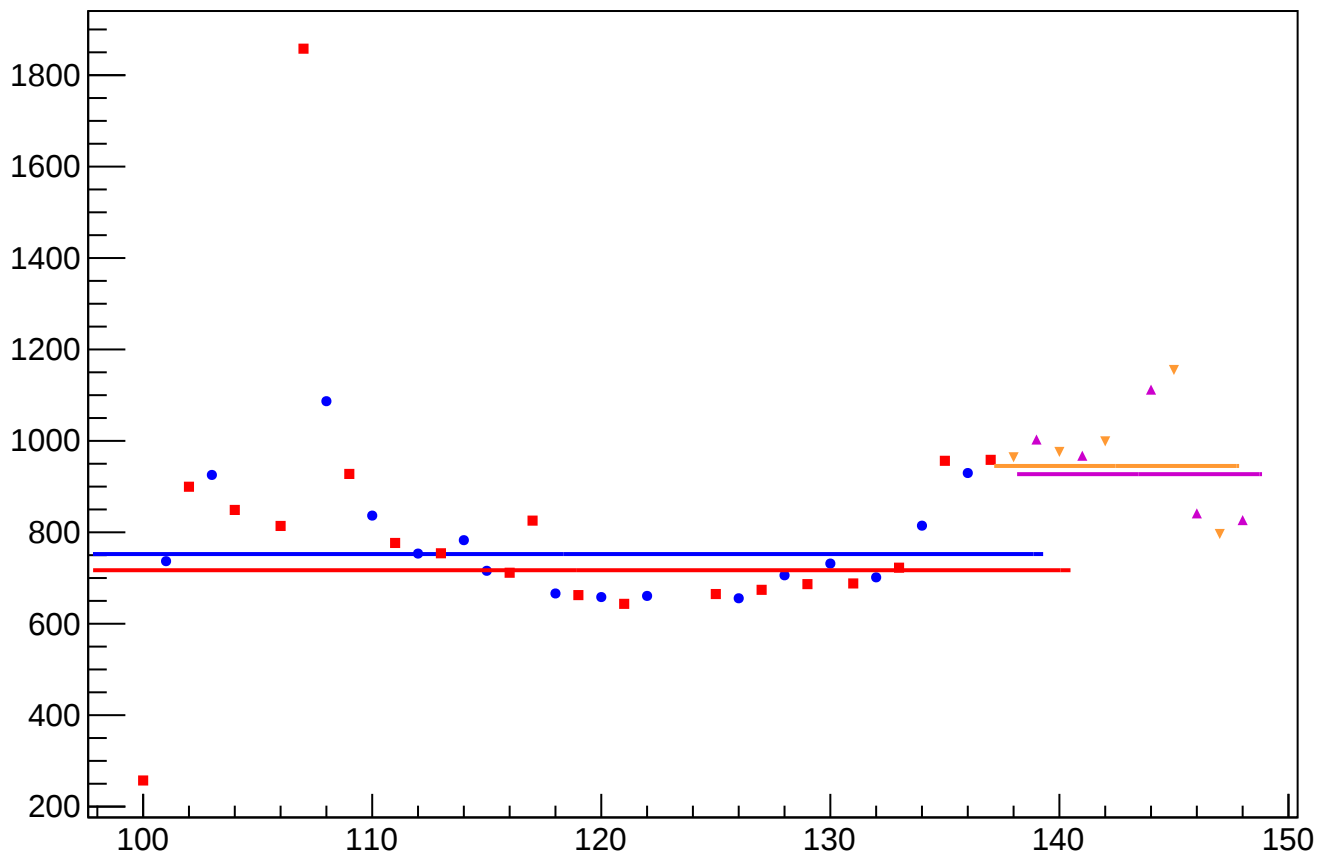
Left In: 313.681 $\pm$ 464.025 χ^2/NDF : 1.8/4

1024.344 $\pm$ 255.279 χ^2/NDF : 15.5/20

923.550 $\pm$ 174.785 χ^2/NDF : 41.8/44

834.601 $\pm$ 239.811 χ^2/NDF : 26.0/23

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 945.144+/-0.360 χ^2/NDF : 109778.3/4

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

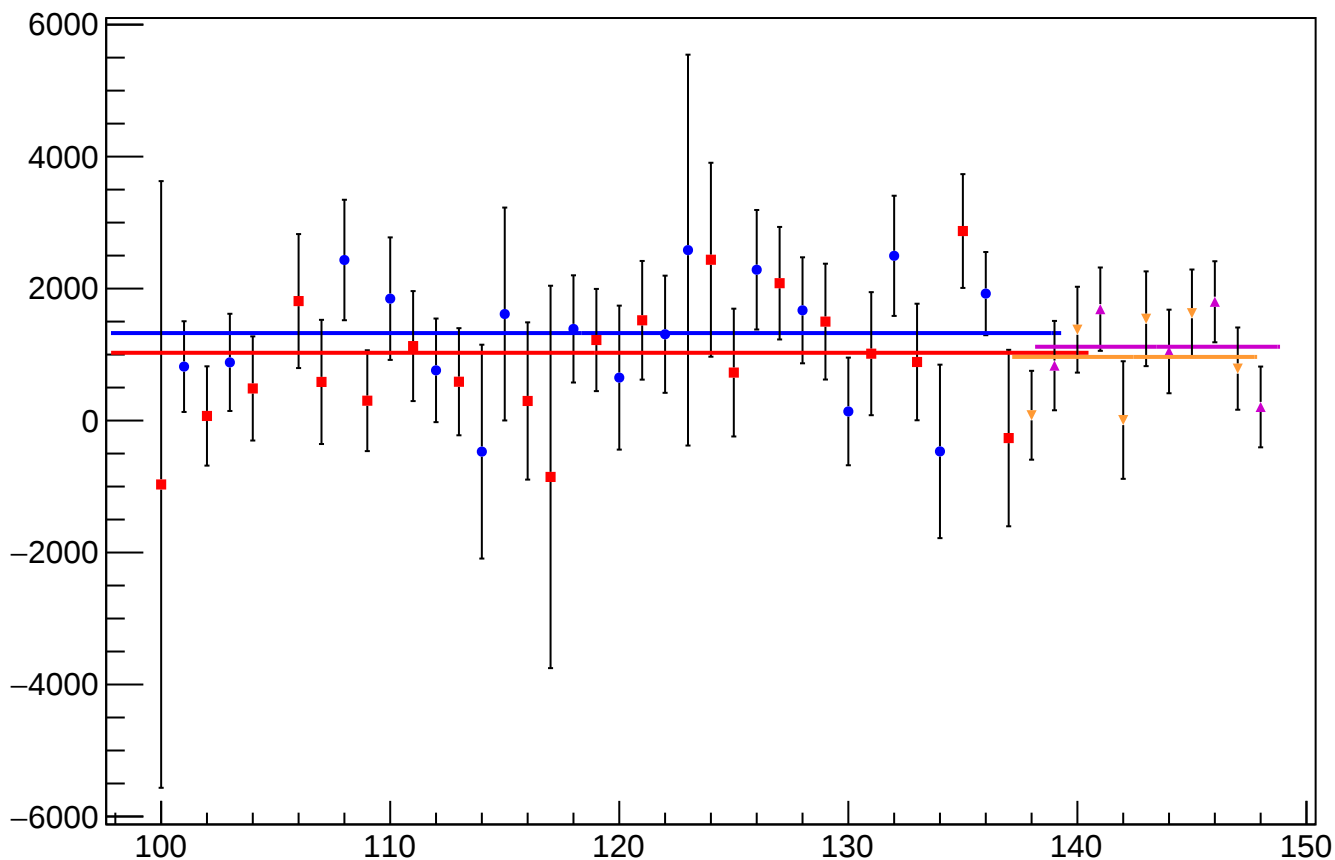
Left In: 927.221+/-0.328 χ^2/NDF : 99236.7/4

800.877+/-0.181 χ^2/NDF : 576992.6/20

786.173+/-0.124 χ^2/NDF : 1957821.7/44

773.197+/-0.170 χ^2/NDF : 1368338.1/23

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 964.347 $\pm$ 281.430 χ^2 /NDF: 5.0/5

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

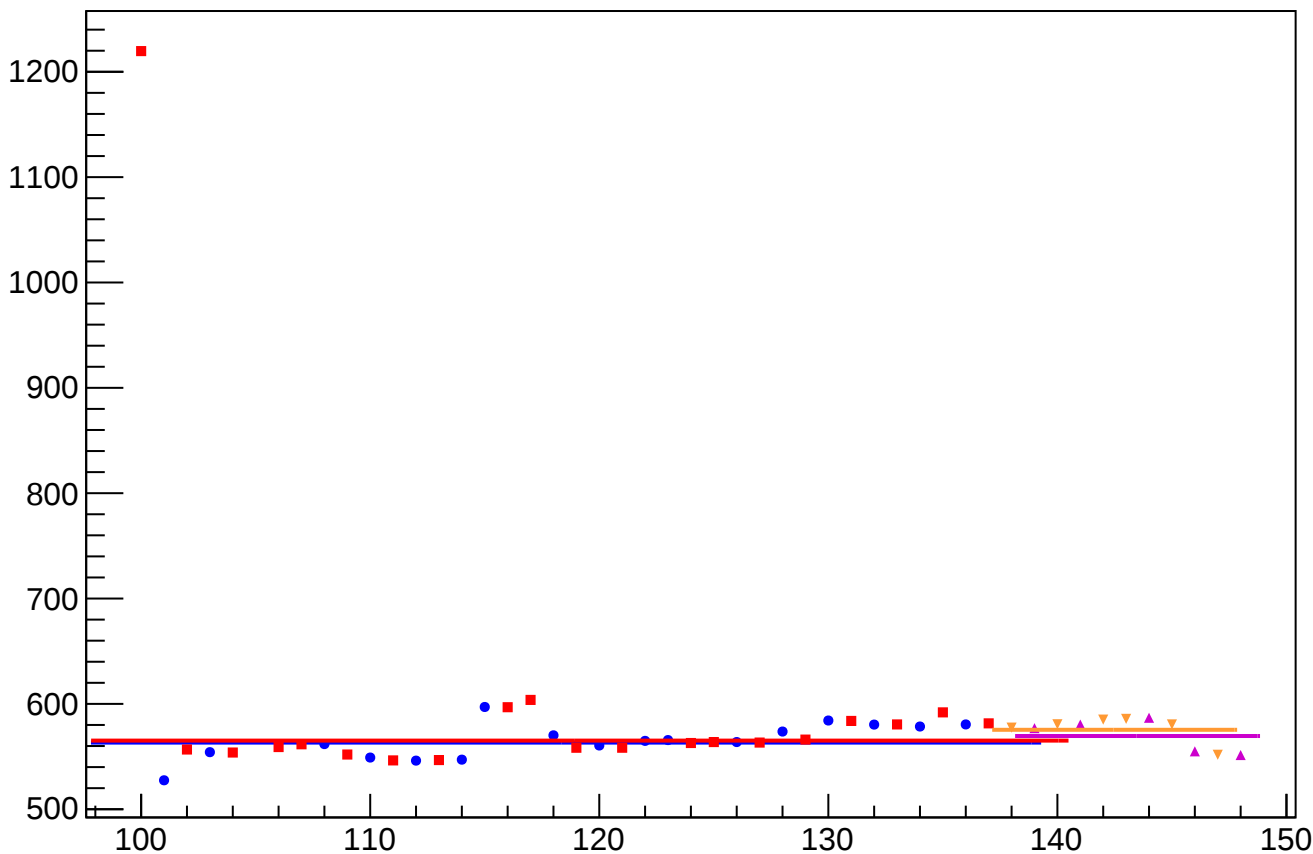
Left In: 1118.516 $\pm$ 282.806 χ^2 /NDF: 4.5/4

1190.154 $\pm$ 172.395 χ^2 /NDF: 18.9/22

1123.693 $\pm$ 120.730 χ^2 /NDF: 37.6/47

1059.728 $\pm$ 169.127 χ^2 /NDF: 18.4/24

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 575.404+/-0.199 χ^2/NDF : 3813.2/5

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

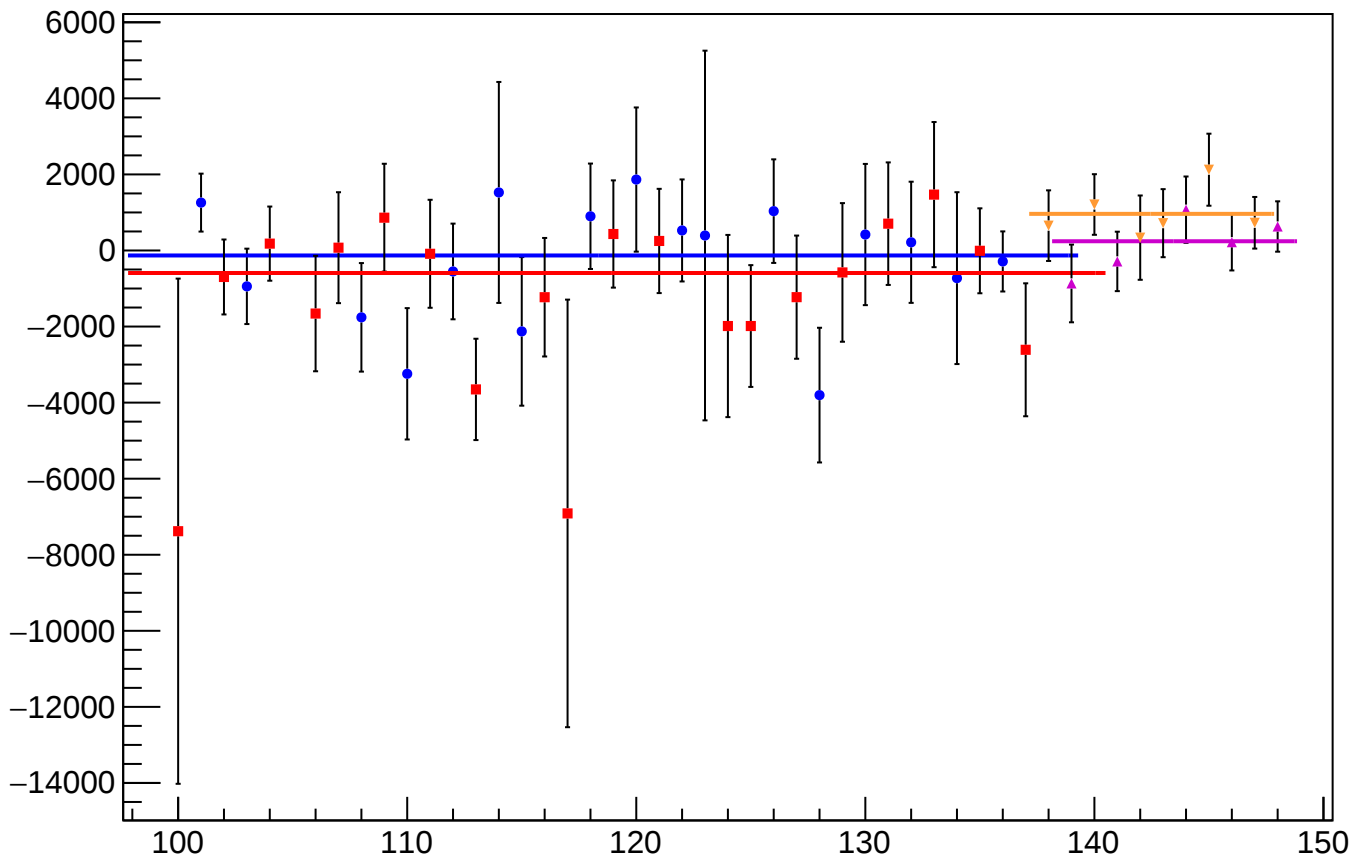
Left In: 569.507+/-0.200 χ^2/NDF : 5196.6/4

567.820+/-0.122 χ^2/NDF : 18658.1/22

567.254+/-0.085 χ^2/NDF : 73855.2/47

566.708+/-0.120 χ^2/NDF : 55154.7/24

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 962.823 $\pm$ 351.714 χ^2/NDF : 2.2/5

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

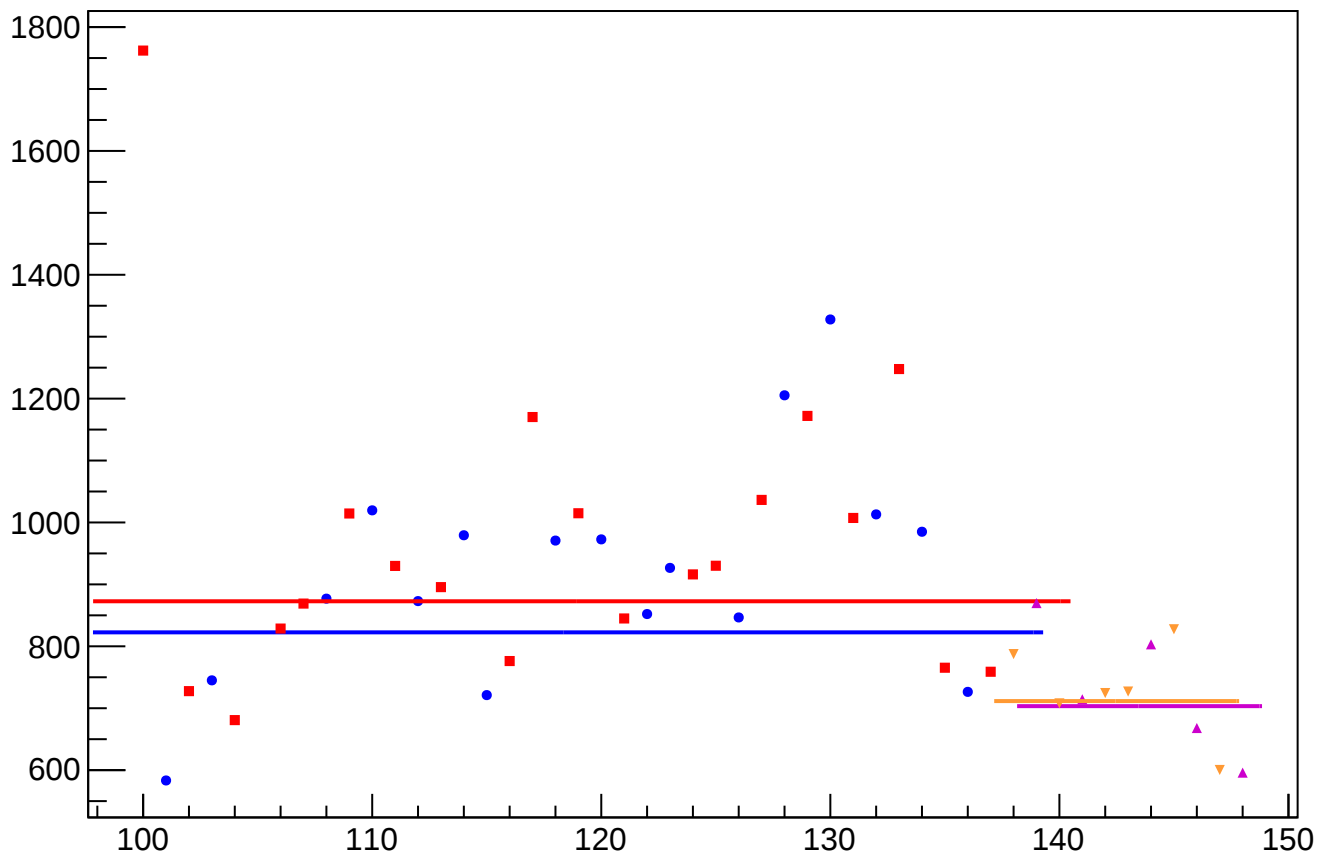
Left In: 242.701 $\pm$ 353.436 χ^2/NDF : 2.9/4

377.059 $\pm$ 239.715 χ^2/NDF : 24.6/22

90.709 $\pm$ 170.277 χ^2/NDF : 49.2/47

-200.920 $\pm$ 241.915 χ^2/NDF : 21.7/24

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 711.542+/-0.249 χ^2/NDF : 97991.9/5

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

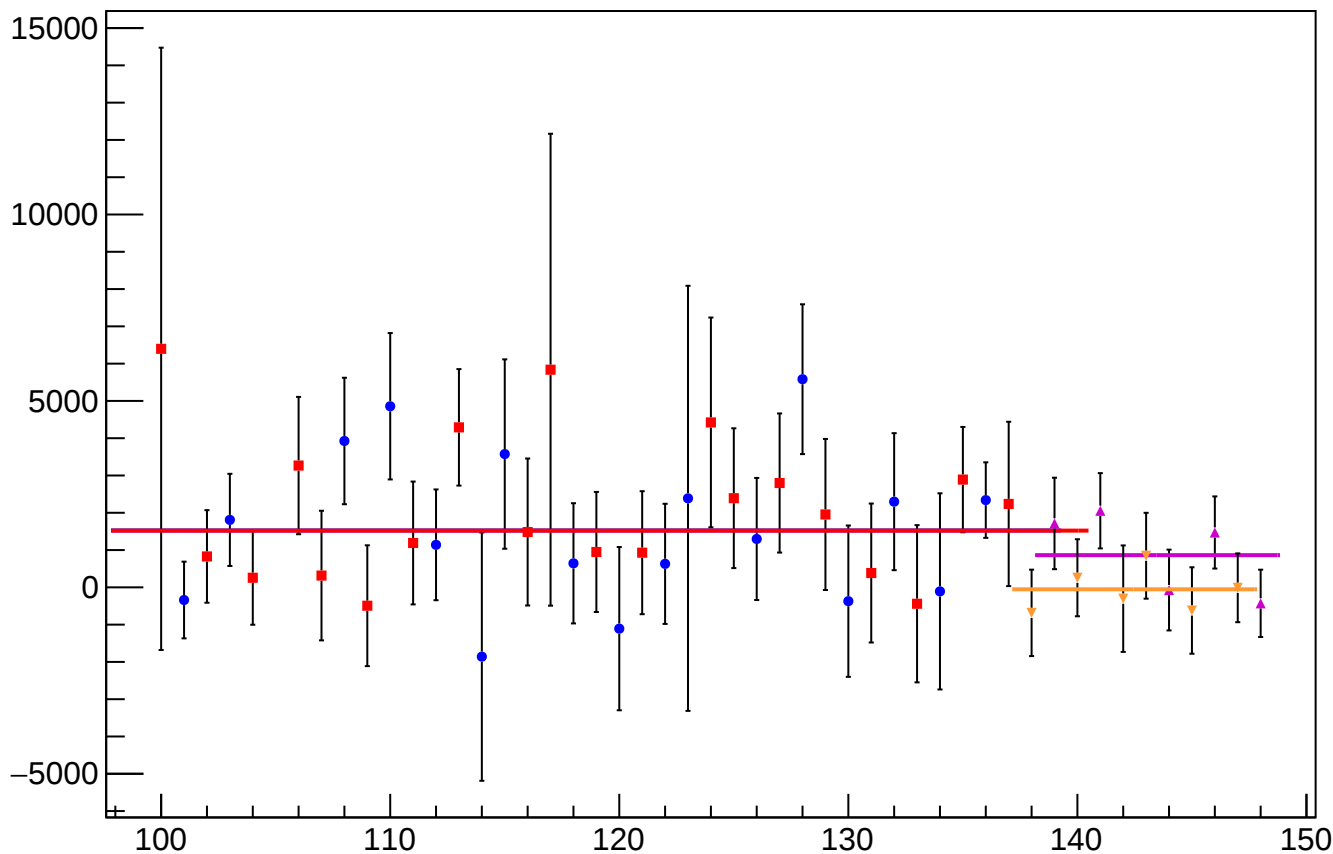
Left In: 703.360+/-0.250 χ^2/NDF : 136814.9/4

770.971+/-0.170 χ^2/NDF : 805586.9/22

782.071+/-0.120 χ^2/NDF : 1607619.6/47

793.376+/-0.171 χ^2/NDF : 793377.1/24

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: -52.602 $\pm$ 454.302 χ^2 /NDF: 1.3/5

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

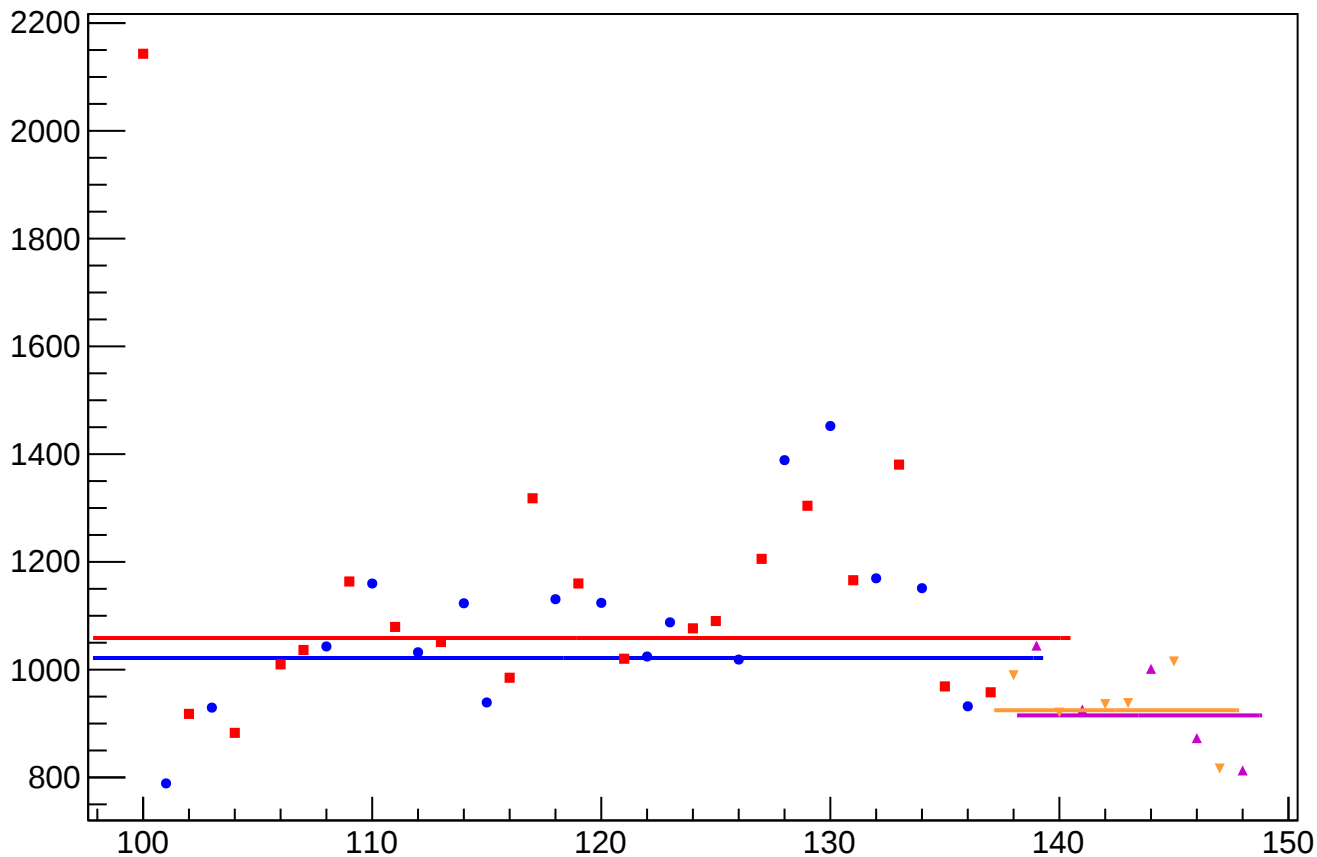
Left In: 863.504 $\pm$ 456.763 χ^2 /NDF: 5.1/4

832.881 $\pm$ 300.967 χ^2 /NDF: 26.3/22

1035.046 $\pm$ 212.673 χ^2 /NDF: 46.0/47

1236.668 $\pm$ 300.563 χ^2 /NDF: 18.8/24

asym_right_avg_rms vs Slug, Sign Corrected



Right In: 1021.665 ± 0.284 $\chi^2/\text{NDF}: 331949.3/16$

Left Out: 924.669 ± 0.321 $\chi^2/\text{NDF}: 46392.8/5$

Right Out: 1058.783 ± 0.282 $\chi^2/\text{NDF}: 234314.8/19$

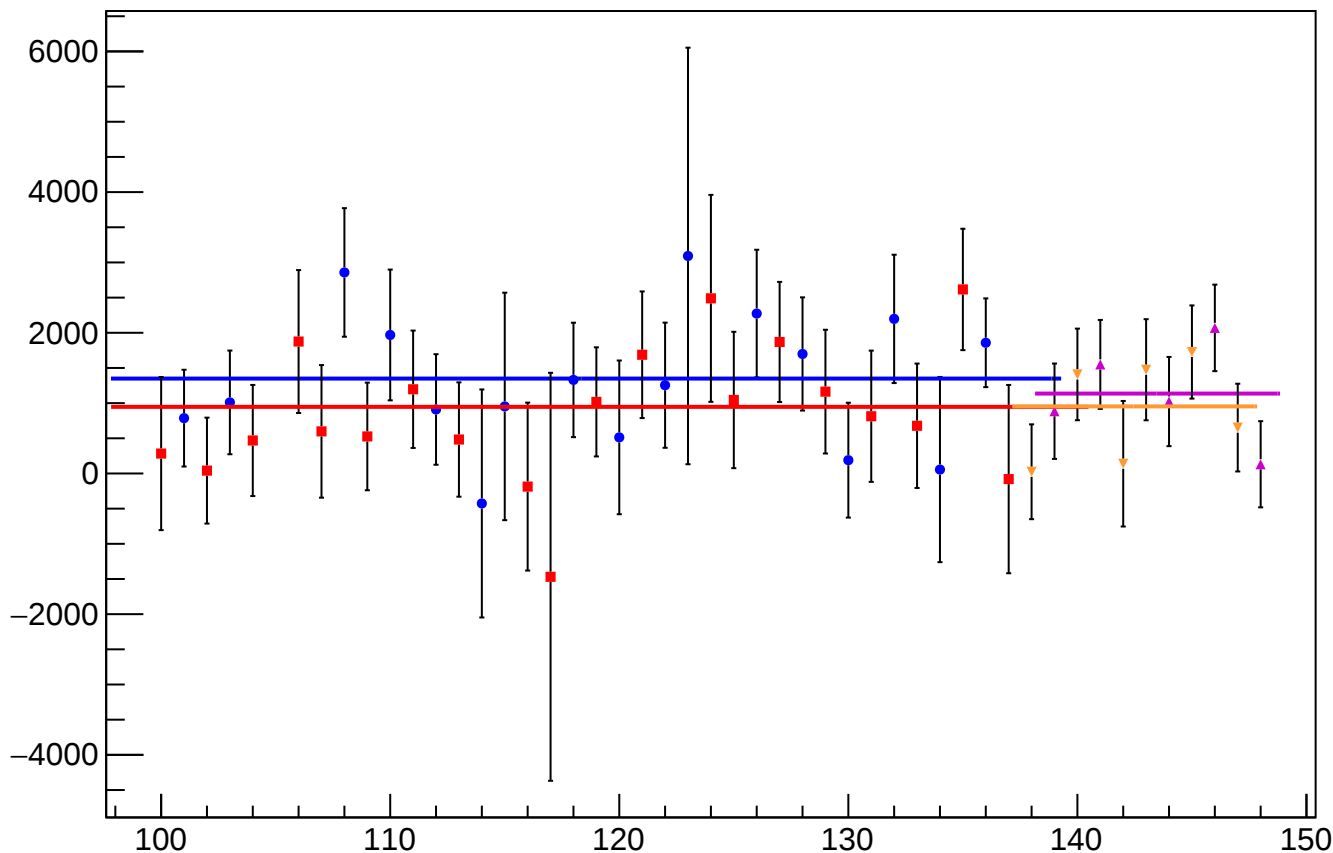
Left In: 915.145 ± 0.323 $\chi^2/\text{NDF}: 64643.8/4$

979.095 ± 0.213 $\chi^2/\text{NDF}: 429498.7/22$

987.853 ± 0.150 $\chi^2/\text{NDF}: 843983.0/47$

996.588 ± 0.213 $\chi^2/\text{NDF}: 411101.6/24$

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 953.565 $\pm$ 281.698 χ^2 /NDF: 5.3/5

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

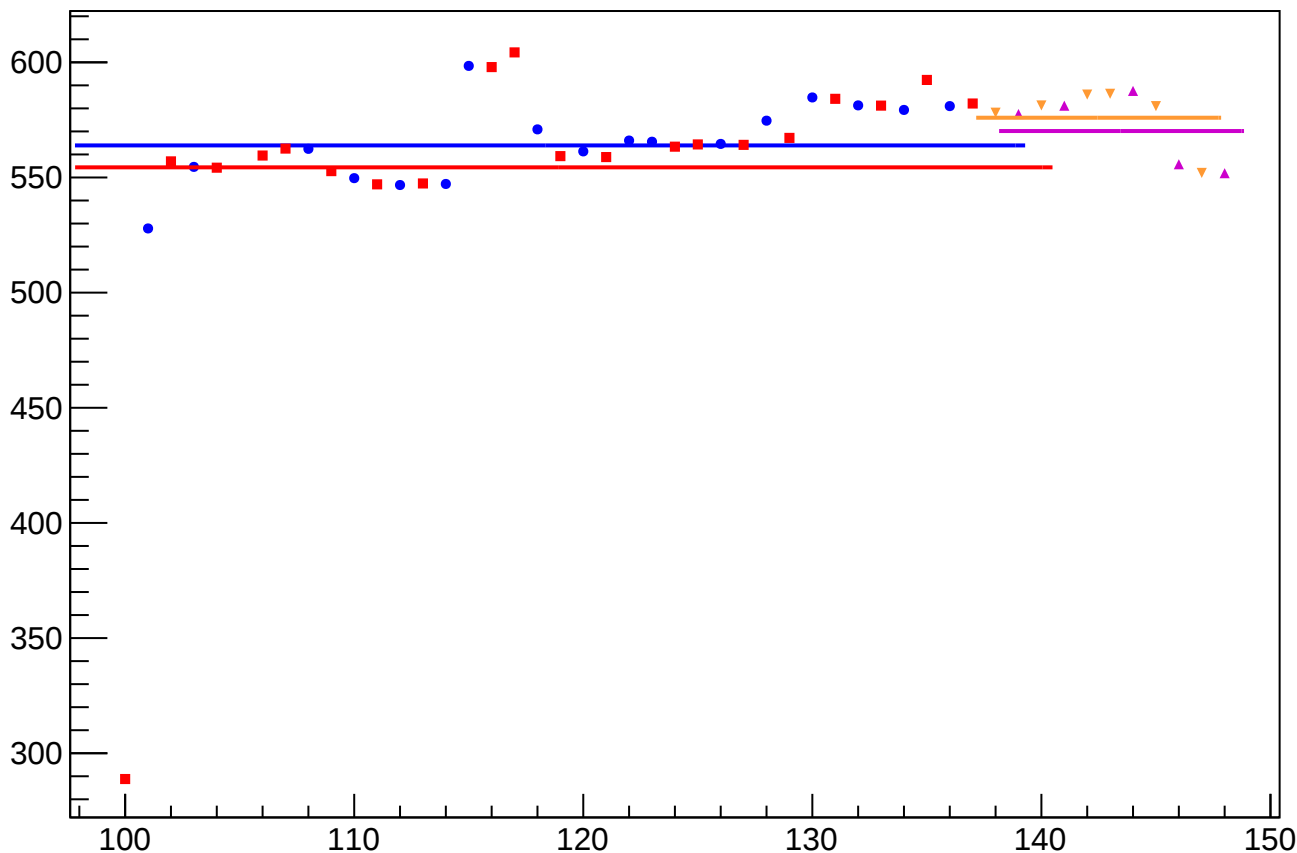
Left In: 1135.836 $\pm$ 283.135 χ^2 /NDF: 5.6/4

1200.674 $\pm$ 172.583 χ^2 /NDF: 18.9/22

1104.022 $\pm$ 120.169 χ^2 /NDF: 38.3/47

1013.061 $\pm$ 167.423 χ^2 /NDF: 18.8/24

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 575.948 $\pm$ 0.199 χ^2 /NDF: 3896.6/5

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

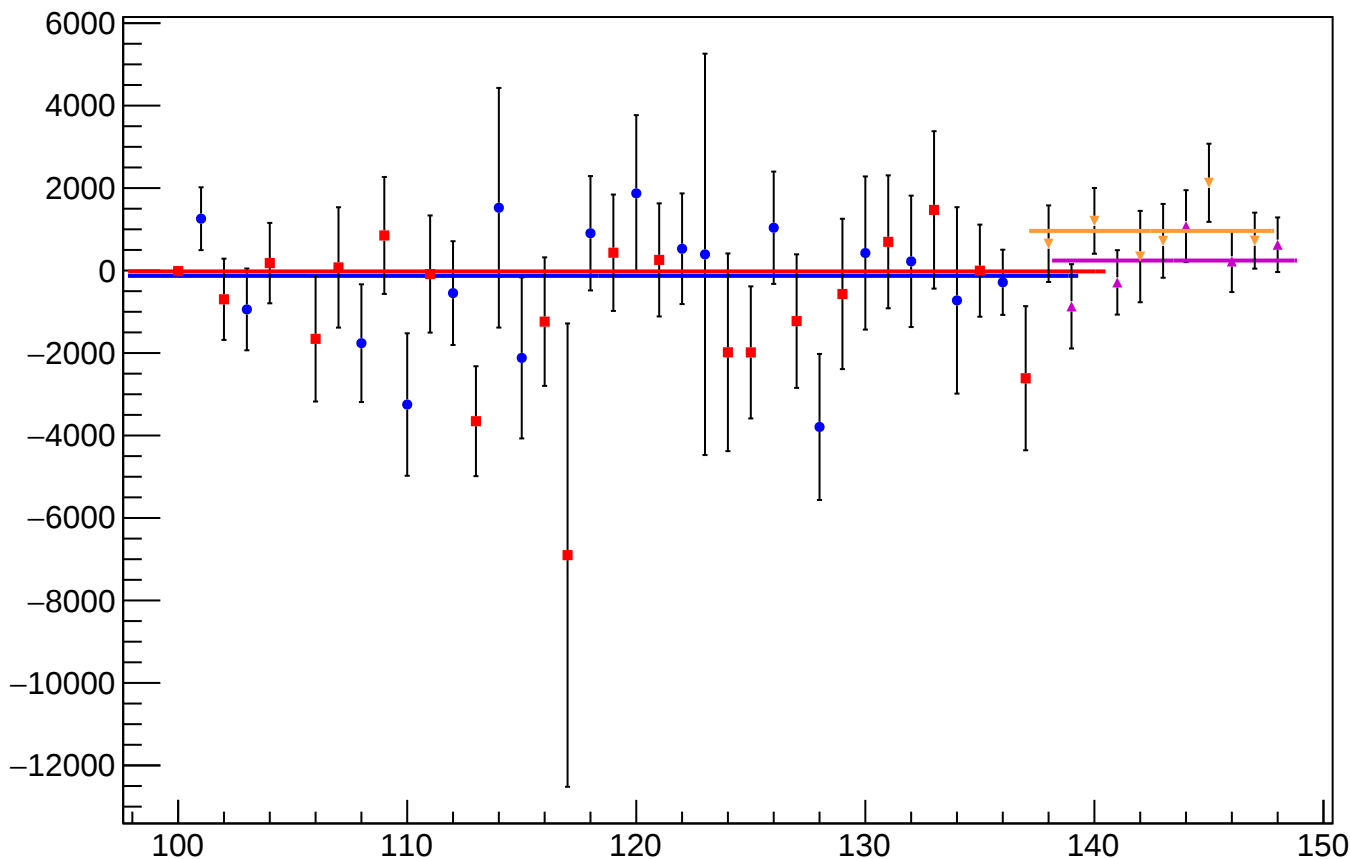
Left In: 570.168 $\pm$ 0.200 χ^2 /NDF: 5240.4/4

568.436 $\pm$ 0.122 χ^2 /NDF: 18836.4/22

564.046 $\pm$ 0.085 χ^2 /NDF: 163182.3/47

559.914 $\pm$ 0.118 χ^2 /NDF: 141833.9/24

asym_right_dd_correction_mean vs Slug, Sign Corrected



Right In: -128.725 $\pm$ 327.688 χ^2/NDF : 17.2/16

Left Out: 962.027 $\pm$ 351.821 χ^2/NDF : 2.2/5

Right Out: -20.715 $\pm$ 38.953 χ^2/NDF : 17.6/19

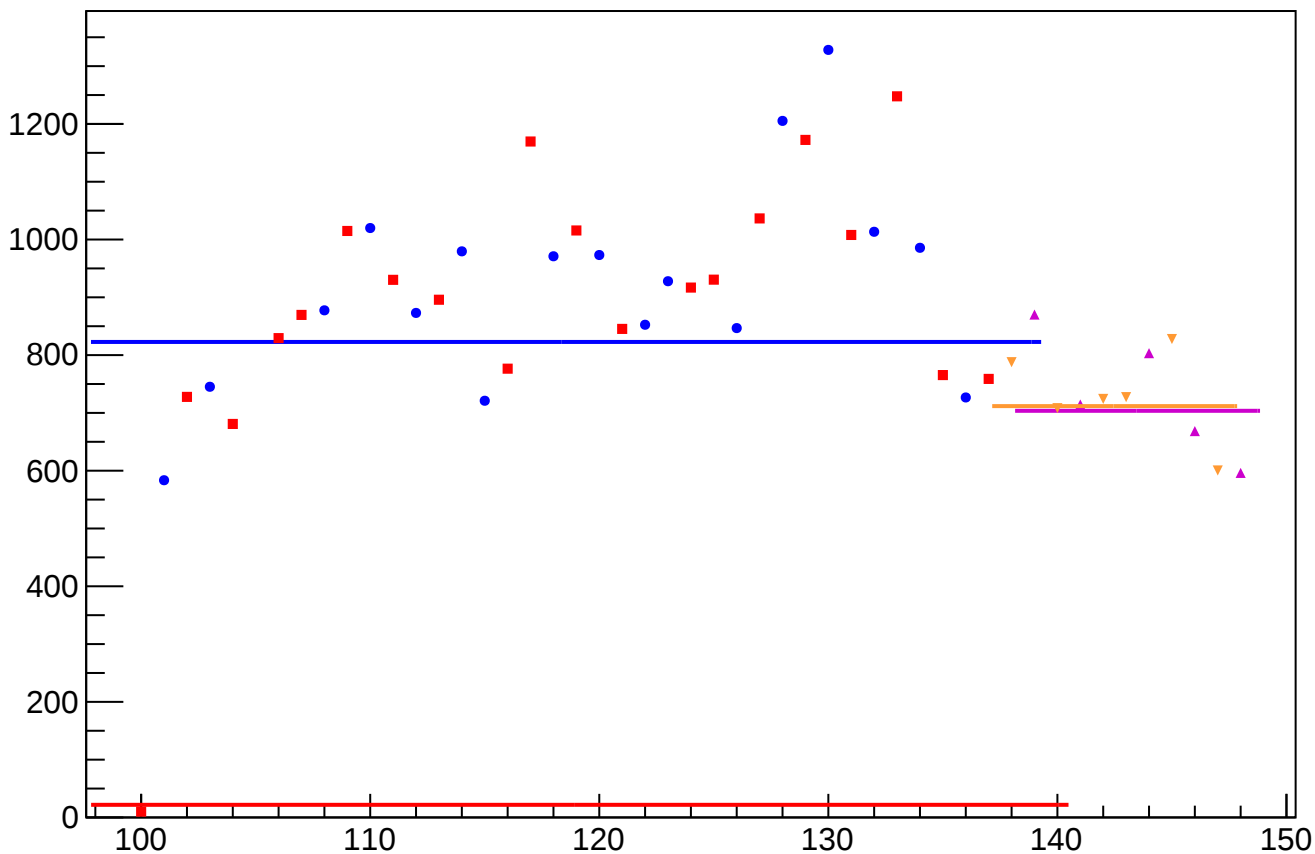
Left In: 242.938 $\pm$ 353.571 χ^2/NDF : 2.9/4

377.961 $\pm$ 239.789 χ^2/NDF : 24.6/22

-7.503 $\pm$ 38.224 χ^2/NDF : 48.3/47

-17.553 $\pm$ 38.719 χ^2/NDF : 21.0/24

asym_right_dd_correction_rms vs Slug, Sign Corrected



Right In: 822.780 ± 0.232 χ^2/NDF : 600873.9/16

Left Out: 711.744 ± 0.249 χ^2/NDF : 98102.9/5

Right Out: 21.867 ± 0.028 χ^2/NDF : 13607091.0/19

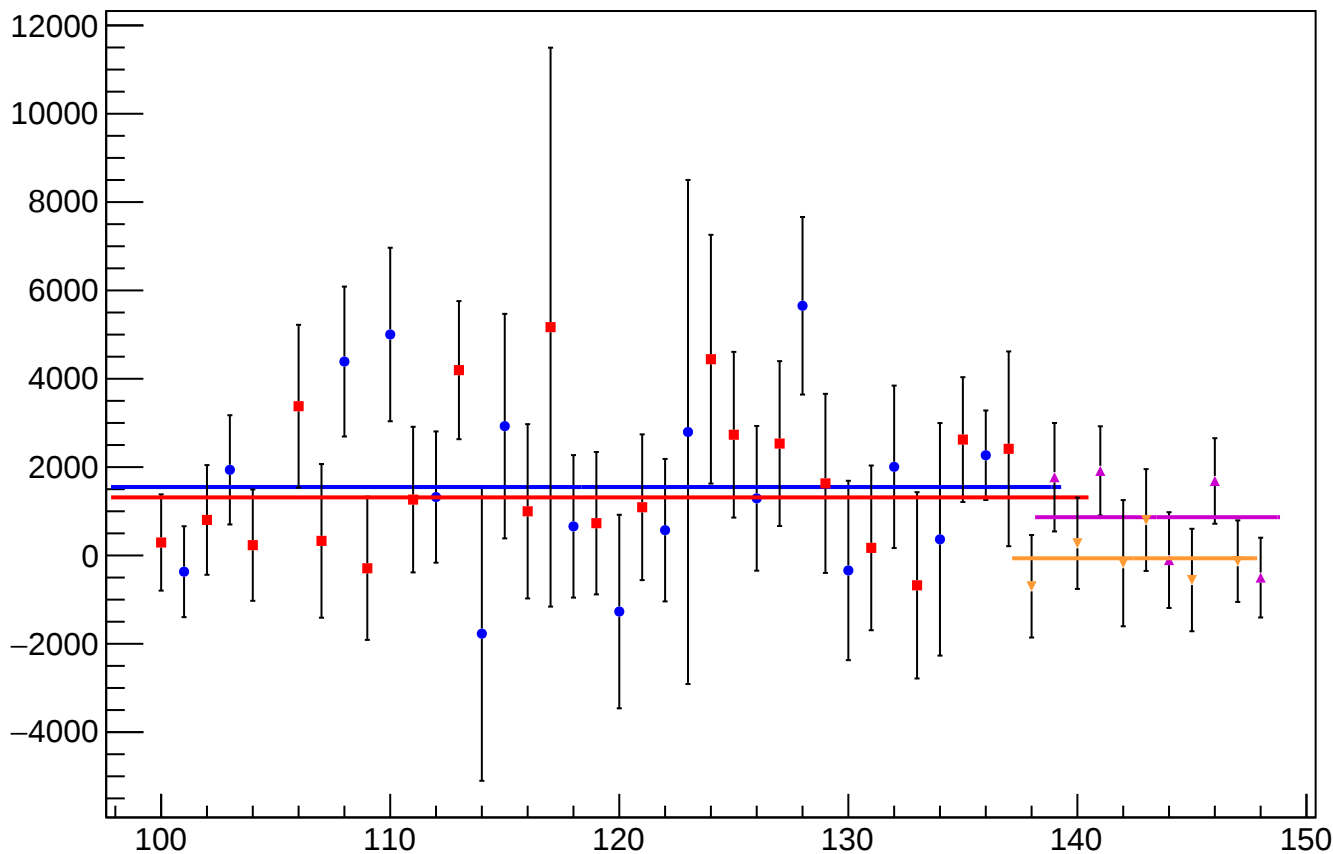
Left In: 703.633 ± 0.250 χ^2/NDF : 136702.5/4

771.200 ± 0.170 χ^2/NDF : 805648.1/22

48.876 ± 0.027 χ^2/NDF : 40517955.6/47

30.043 ± 0.027 χ^2/NDF : 21090764.8/24

asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1548.873 ± 402.008 $\chi^2/\text{NDF}: 19.0/16$

Left Out: -63.643 ± 454.559 $\chi^2/\text{NDF}: 1.2/5$

Right Out: 1314.562 ± 375.381 $\chi^2/\text{NDF}: 12.9/19$

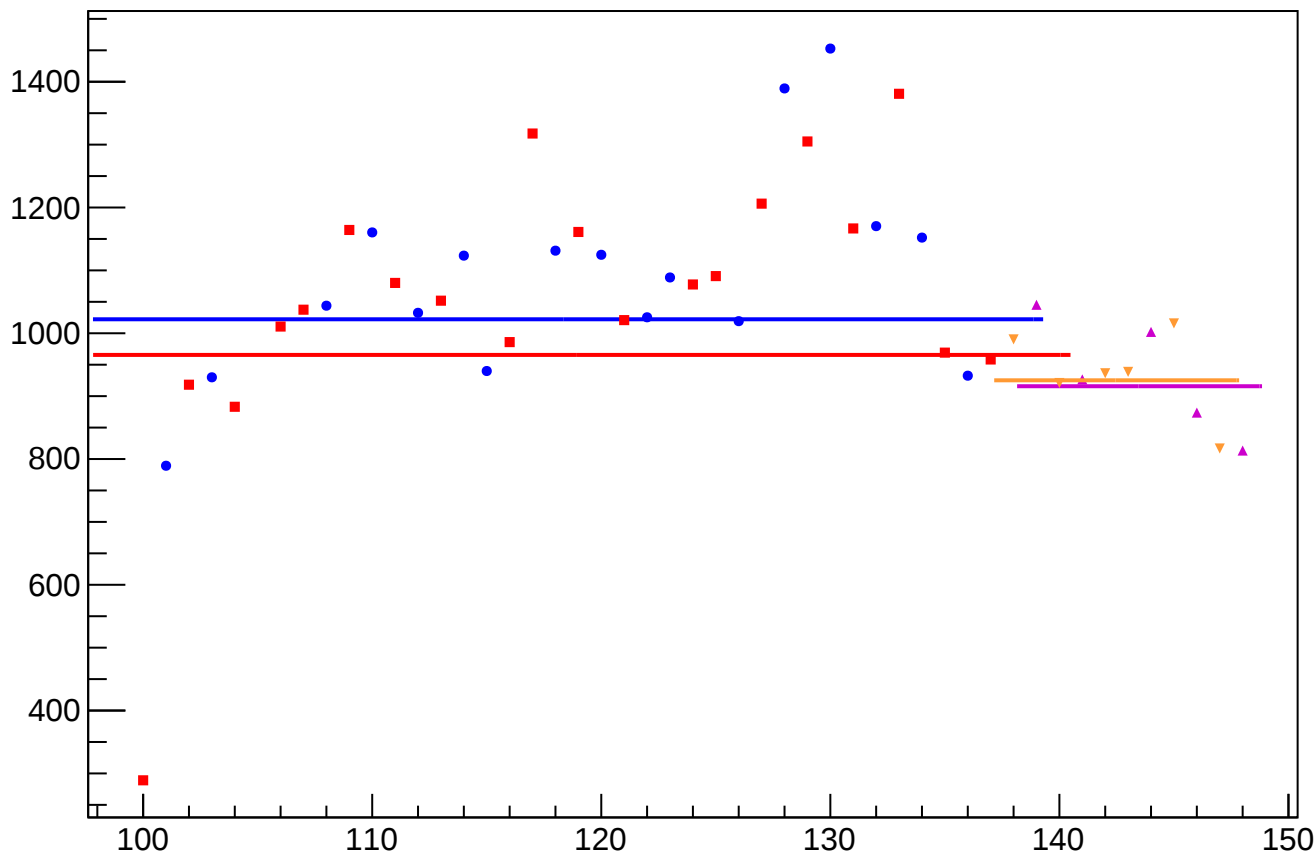
Left In: 866.254 ± 457.075 $\chi^2/\text{NDF}: 5.4/4$

841.173 ± 301.136 $\chi^2/\text{NDF}: 27.2/22$

993.048 ± 208.920 $\chi^2/\text{NDF}: 46.6/47$

1133.984 ± 290.089 $\chi^2/\text{NDF}: 18.9/24$

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 925.185+/-0.321 χ^2/NDF : 46501.8/5

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

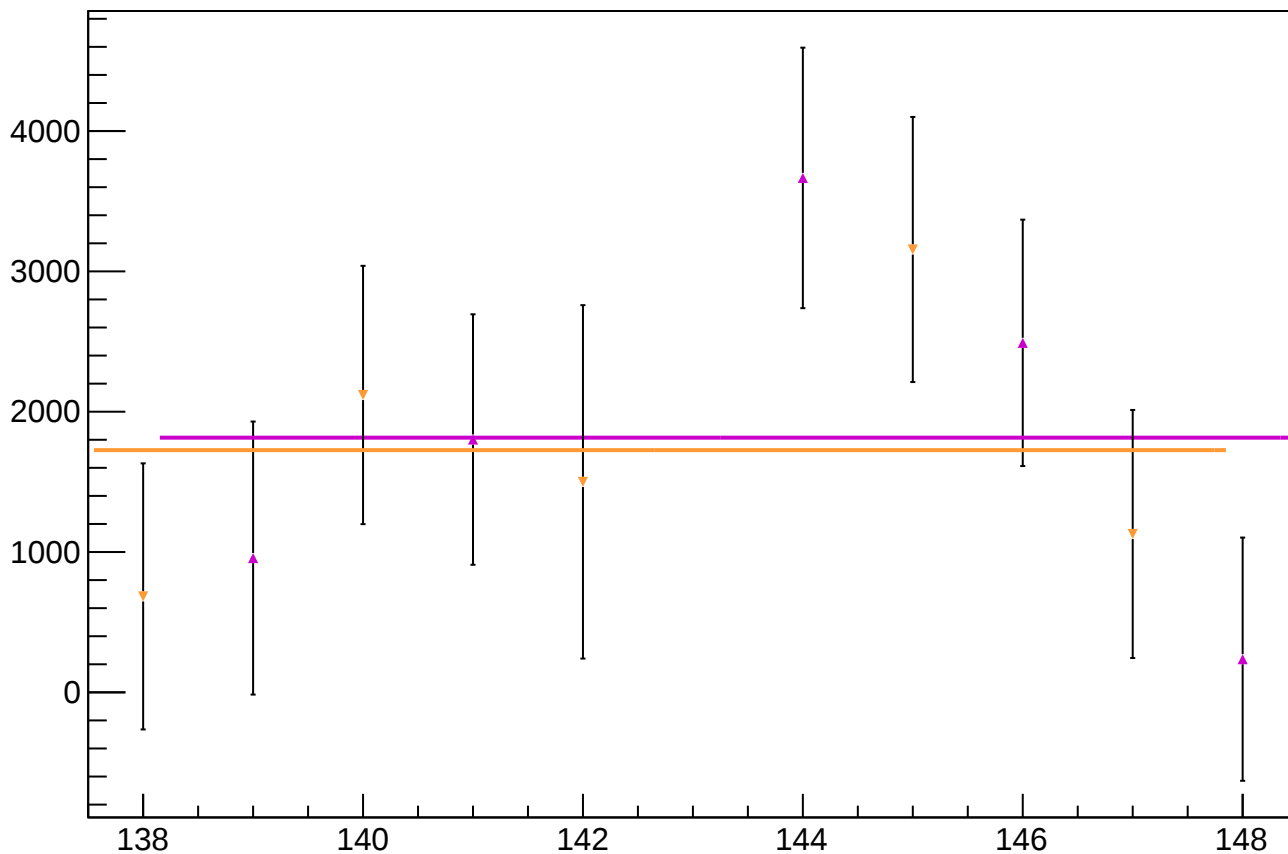
Left In: 915.772+/-0.323 χ^2/NDF : 64627.8/4

979.646+/-0.213 χ^2/NDF : 429530.1/22

961.942+/-0.148 χ^2/NDF : 1595161.5/47

945.514+/-0.205 χ^2/NDF : 1152304.5/24

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1725.998+/-433.382 χ^2/NDF : 4.2/4

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

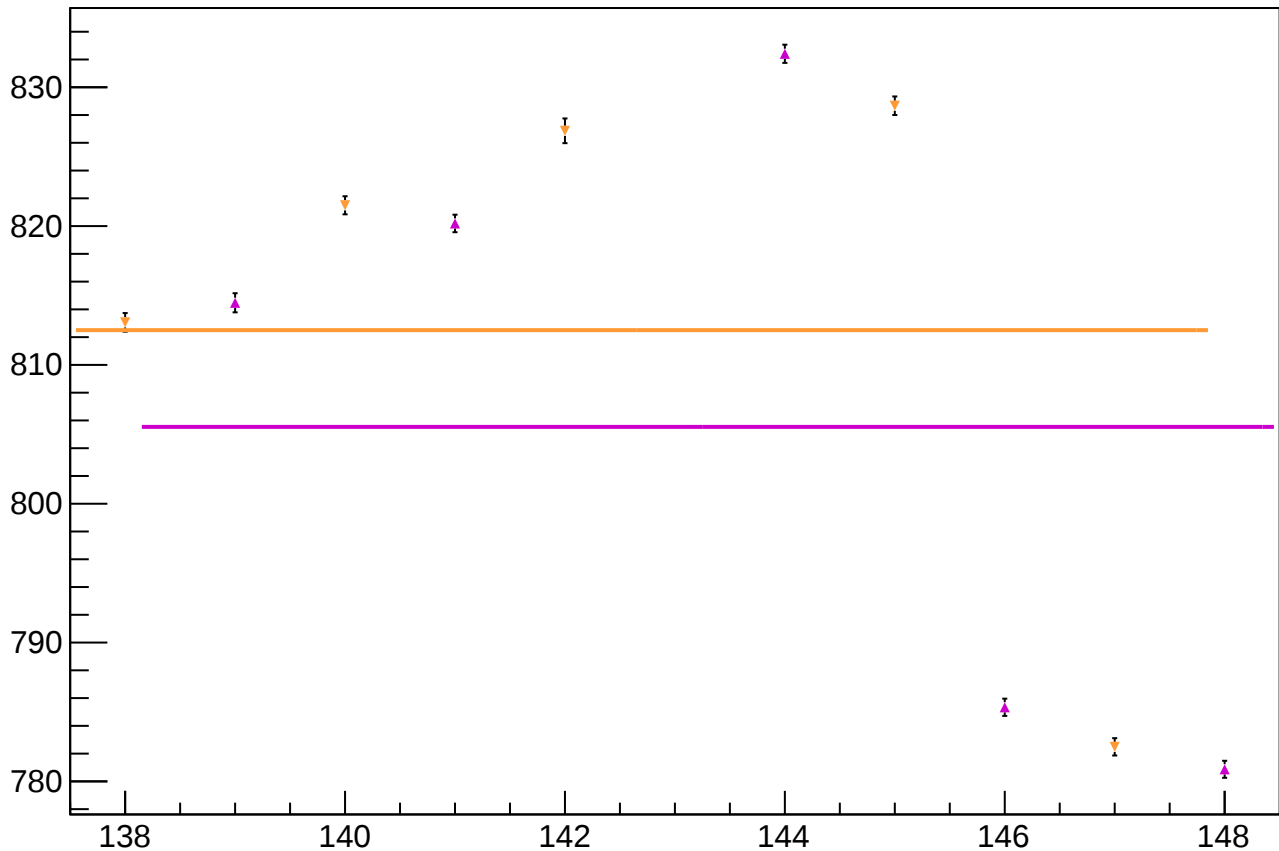
Left In: 1815.003+/-404.840 χ^2/NDF : 8.7/4

1725.998+/-433.382 χ^2/NDF : 4.2/4

1773.528+/-295.841 χ^2/NDF : 12.9/9

1815.003+/-404.840 χ^2/NDF : 8.7/4

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 812.504+/-0.306 χ^2/NDF : 3343.6/4

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

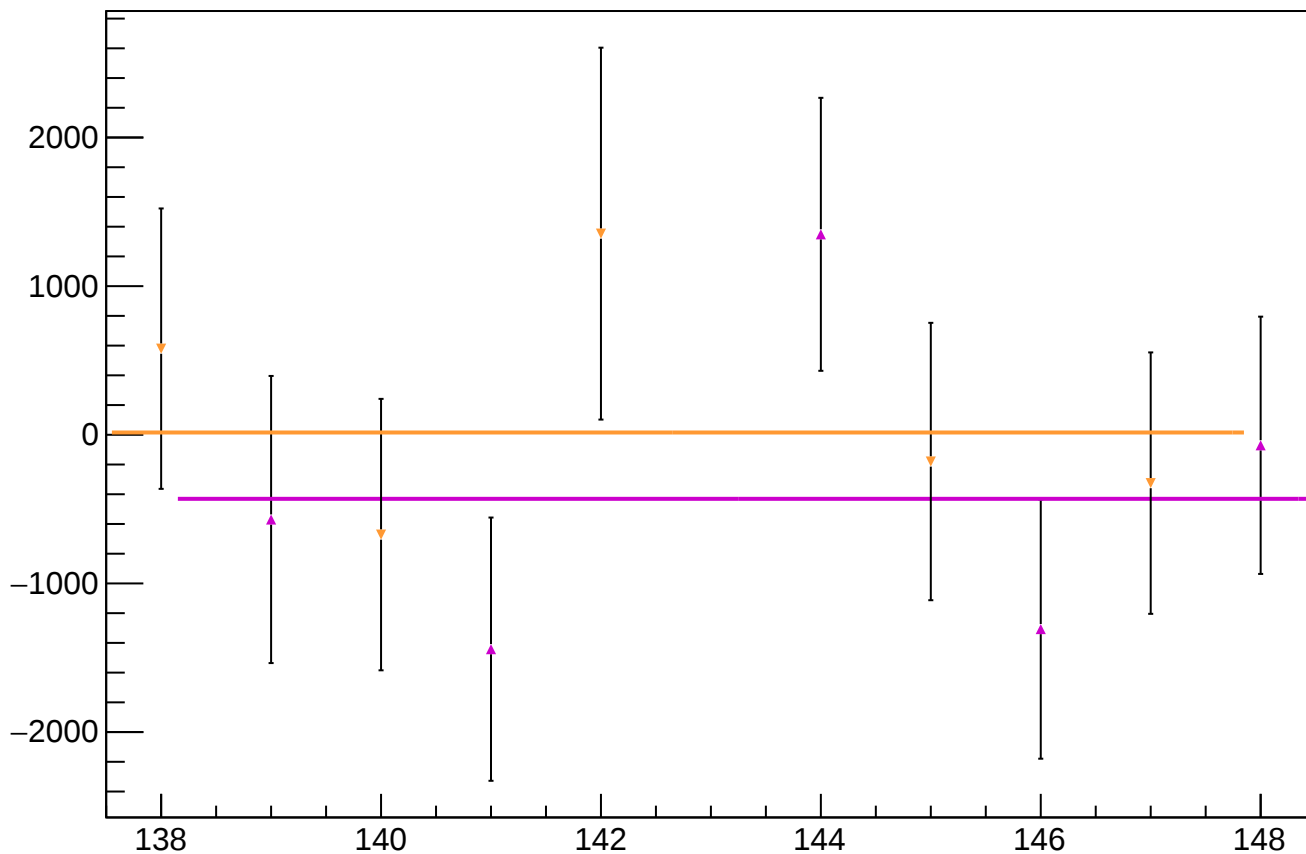
Left In: 805.535+/-0.286 χ^2/NDF : 5063.4/4

812.504+/-0.306 χ^2/NDF : 3343.6/4

808.783+/-0.209 χ^2/NDF : 8683.0/9

805.535+/-0.286 χ^2/NDF : 5063.4/4

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 15.433+/-430.159 χ^2/NDF : 2.3/4

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

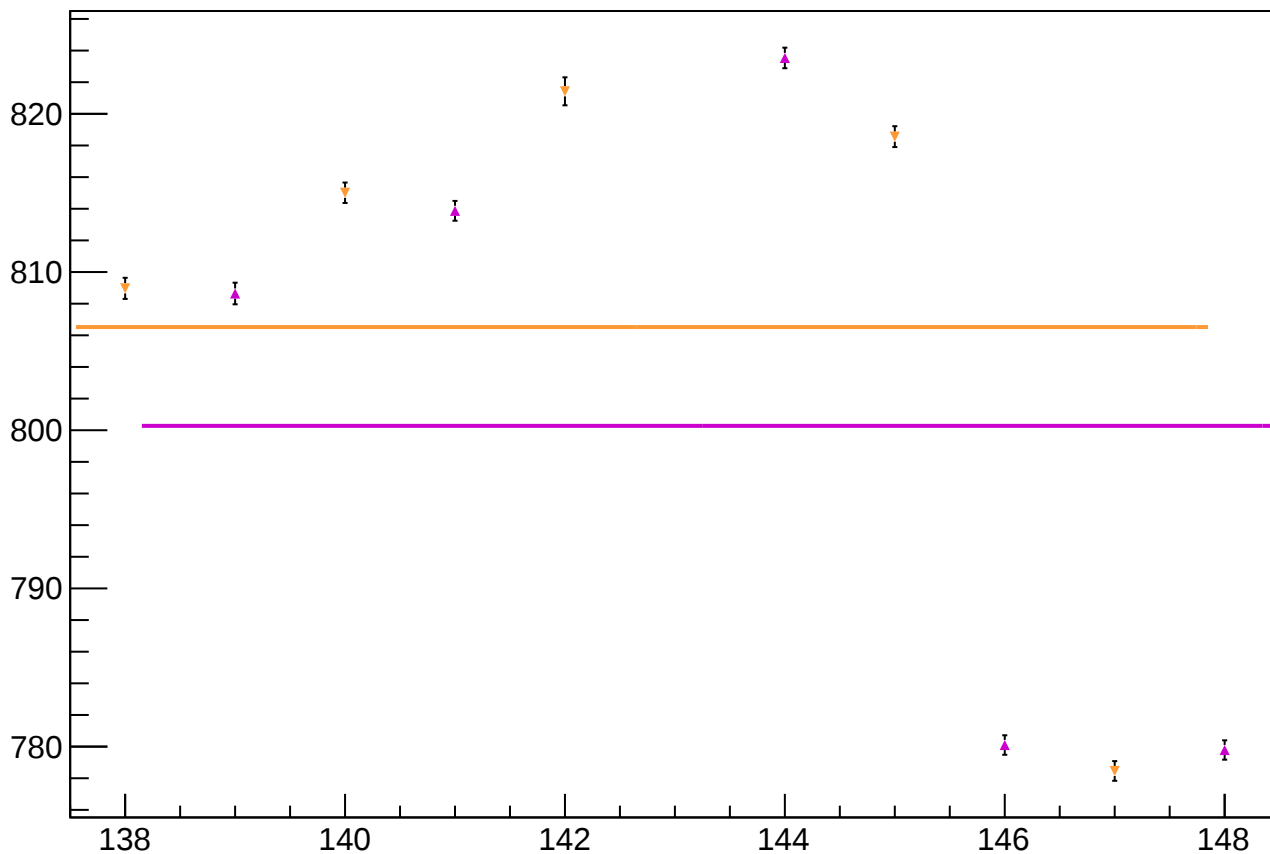
Left In: -430.799+/-402.156 χ^2/NDF : 6.3/4

15.433+/-430.159 χ^2/NDF : 2.3/4

-222.679+/-293.769 χ^2/NDF : 9.1/9

-430.799+/-402.156 χ^2/NDF : 6.3/4

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 806.521+/-0.304 χ^2/NDF : 2839.7/4

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

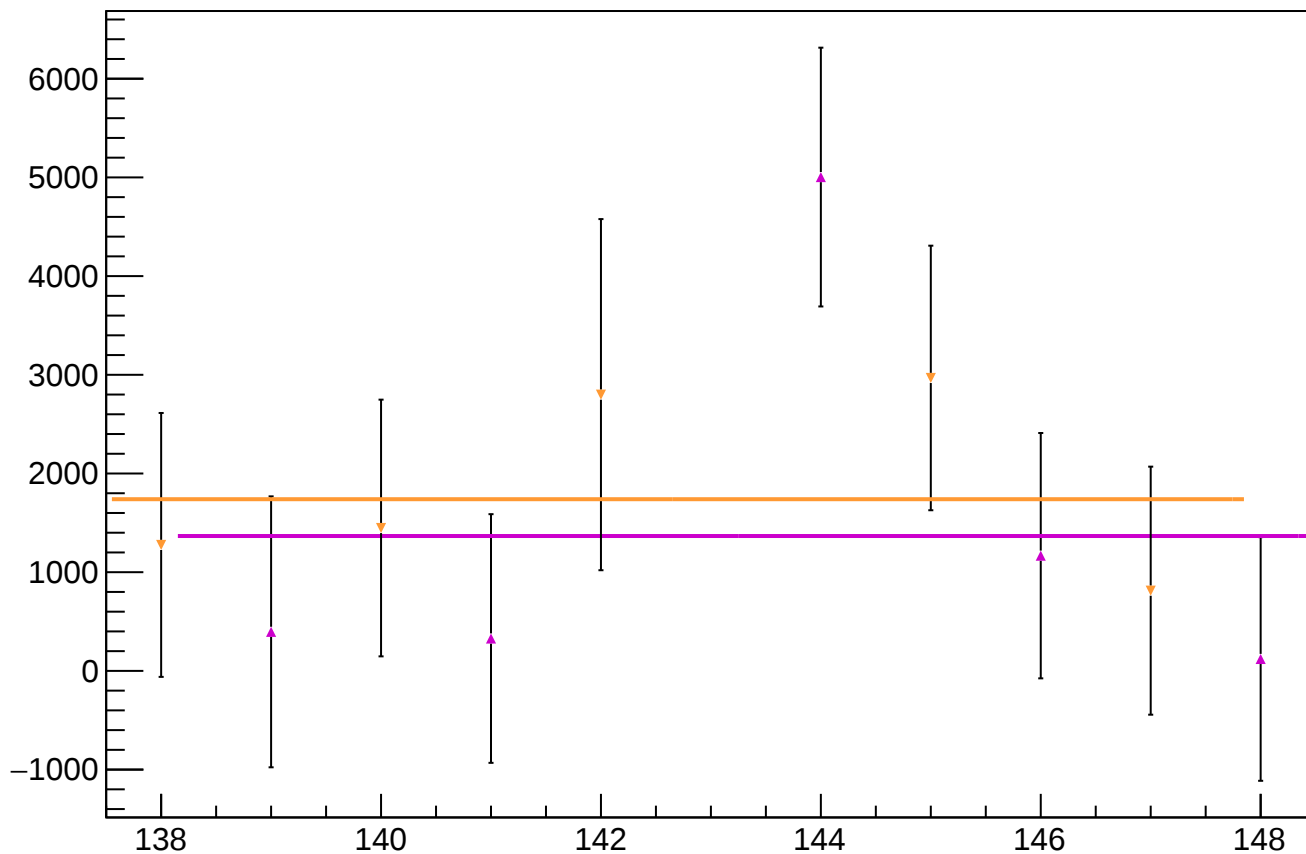
Left In: 800.276+/-0.284 χ^2/NDF : 4095.9/4

806.521+/-0.304 χ^2/NDF : 2839.7/4

803.189+/-0.208 χ^2/NDF : 7160.5/9

800.276+/-0.284 χ^2/NDF : 4095.9/4

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1739.526+/-613.509 χ^2/NDF : 1.9/4

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

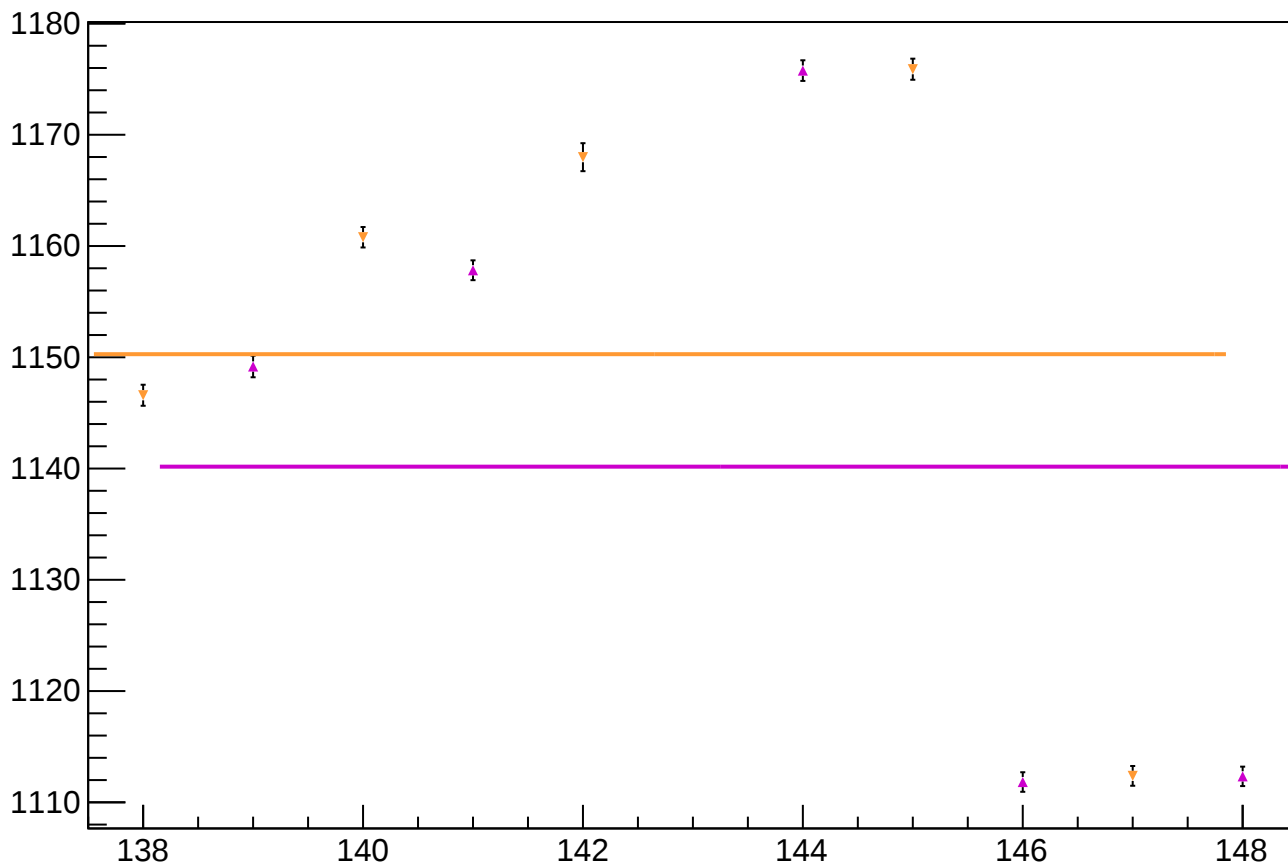
Left In: 1366.581+/-572.967 χ^2/NDF : 9.9/4

1739.526+/-613.509 χ^2/NDF : 1.9/4

1540.324+/-418.748 χ^2/NDF : 12.0/9

1366.581+/-572.967 χ^2/NDF : 9.9/4

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1150.278+/-0.434 χ^2/NDF : 2893.9/4

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

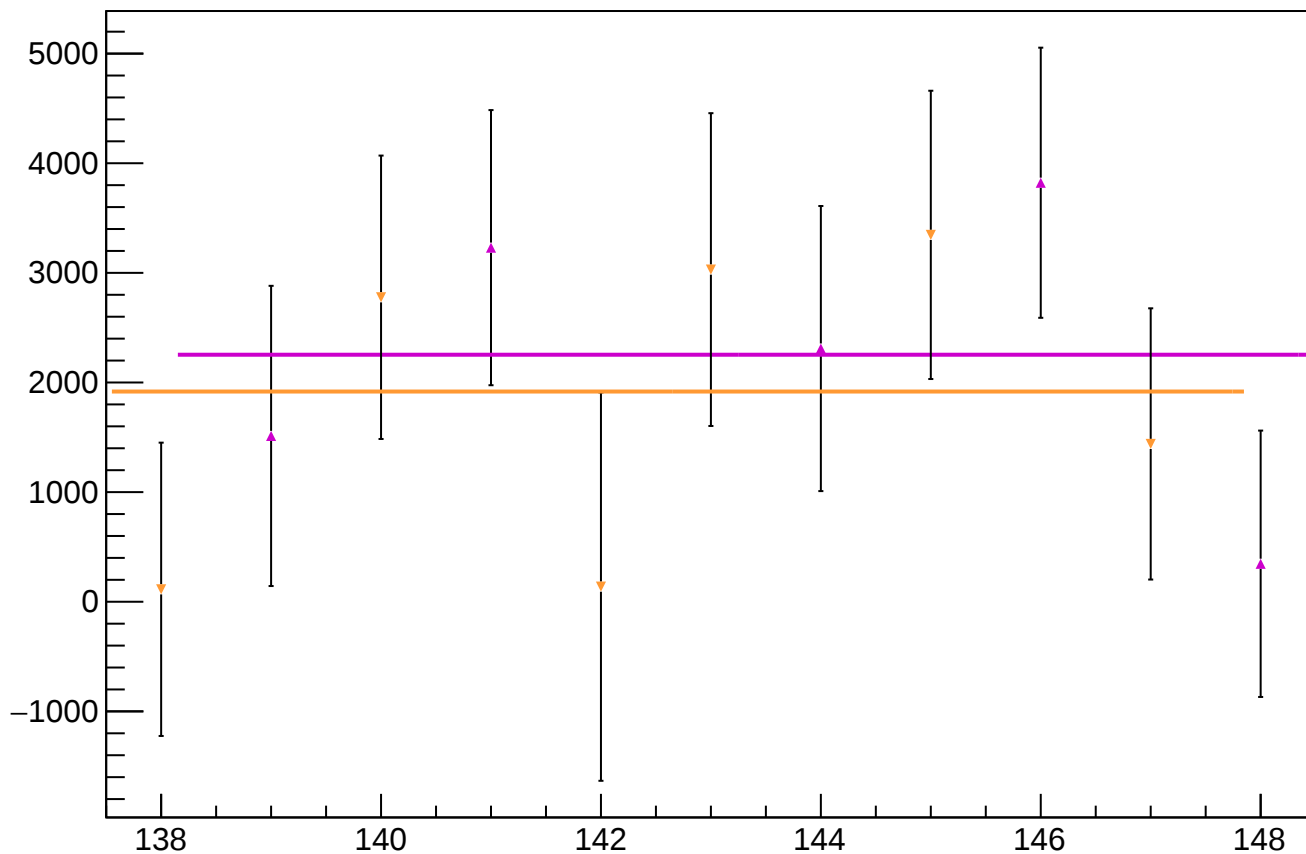
Left In: 1140.170+/-0.405 χ^2/NDF : 4009.9/4

1150.278+/-0.434 χ^2/NDF : 2893.9/4

1144.879+/-0.296 χ^2/NDF : 7193.9/9

1140.170+/-0.405 χ^2/NDF : 4009.9/4

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1917.560 $\pm$ 559.072 χ^2 /NDF: 5.2/5

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

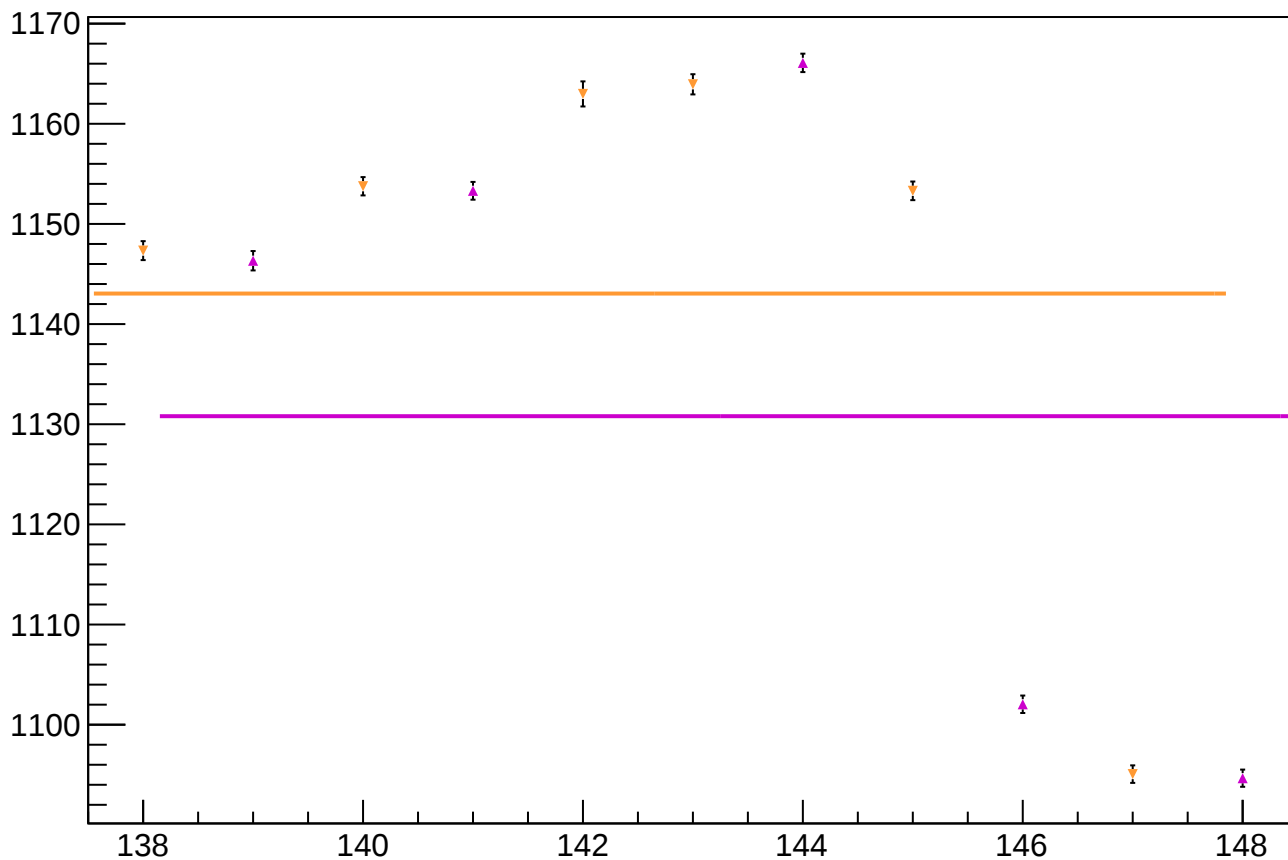
Left In: 2253.242 $\pm$ 568.303 χ^2 /NDF: 5.0/4

1917.560 $\pm$ 559.072 χ^2 /NDF: 5.2/5

2082.652 $\pm$ 398.547 χ^2 /NDF: 10.4/10

2253.242 $\pm$ 568.303 χ^2 /NDF: 5.0/4

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1143.049+/-0.395 χ^2/NDF : 3971.2/5

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

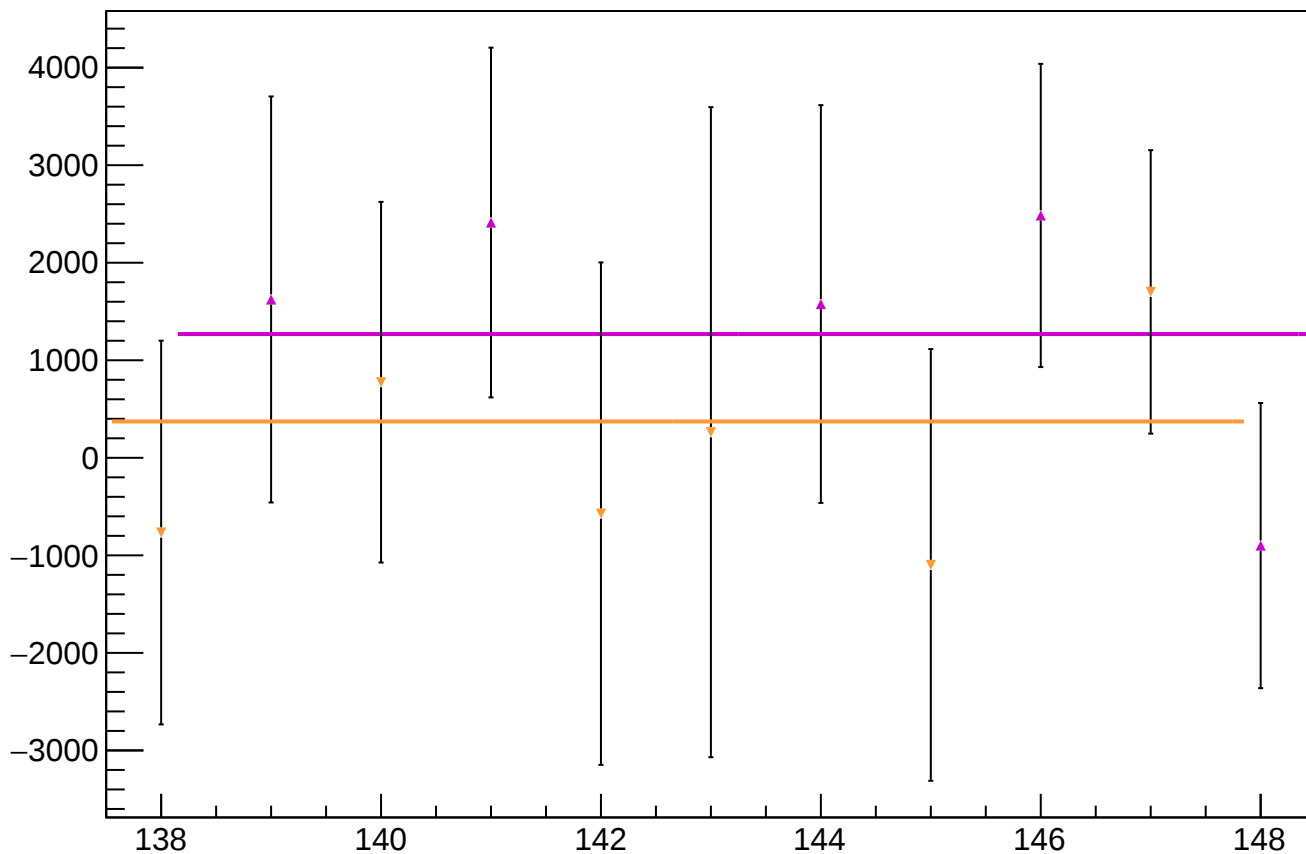
Left In: 1130.803+/-0.402 χ^2/NDF : 5233.1/4

1143.049+/-0.395 χ^2/NDF : 3971.2/5

1137.026+/-0.282 χ^2/NDF : 9676.2/10

1130.803+/-0.402 χ^2/NDF : 5233.1/4

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 372.570+/-824.909 χ^2/NDF : 1.8/5

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

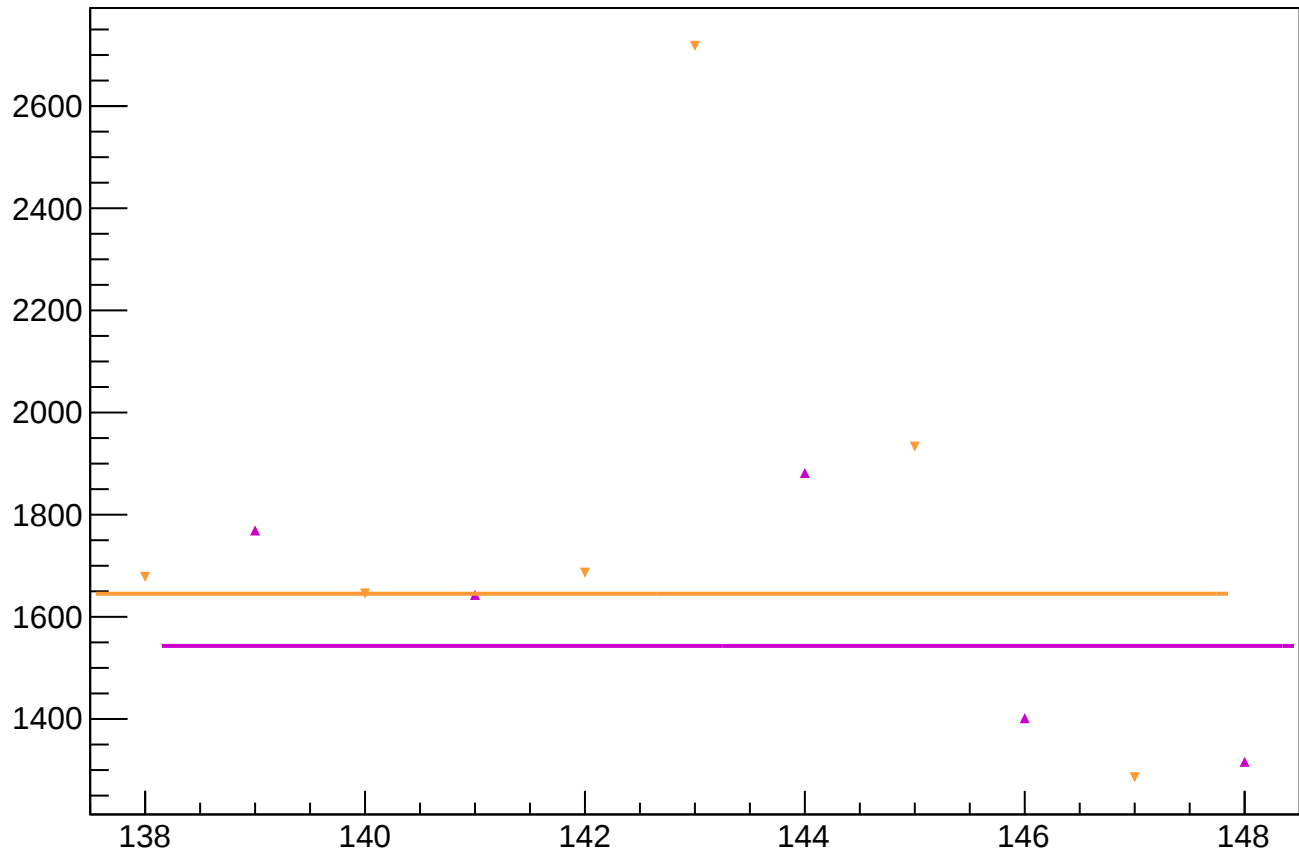
Left In: 1268.696+/-775.088 χ^2/NDF : 3.3/4

372.570+/-824.909 χ^2/NDF : 1.8/5

848.510+/-564.862 χ^2/NDF : 5.7/10

1268.696+/-775.088 χ^2/NDF : 3.3/4

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1645.272+/-0.583 χ^2/NDF : 364466.7/5

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

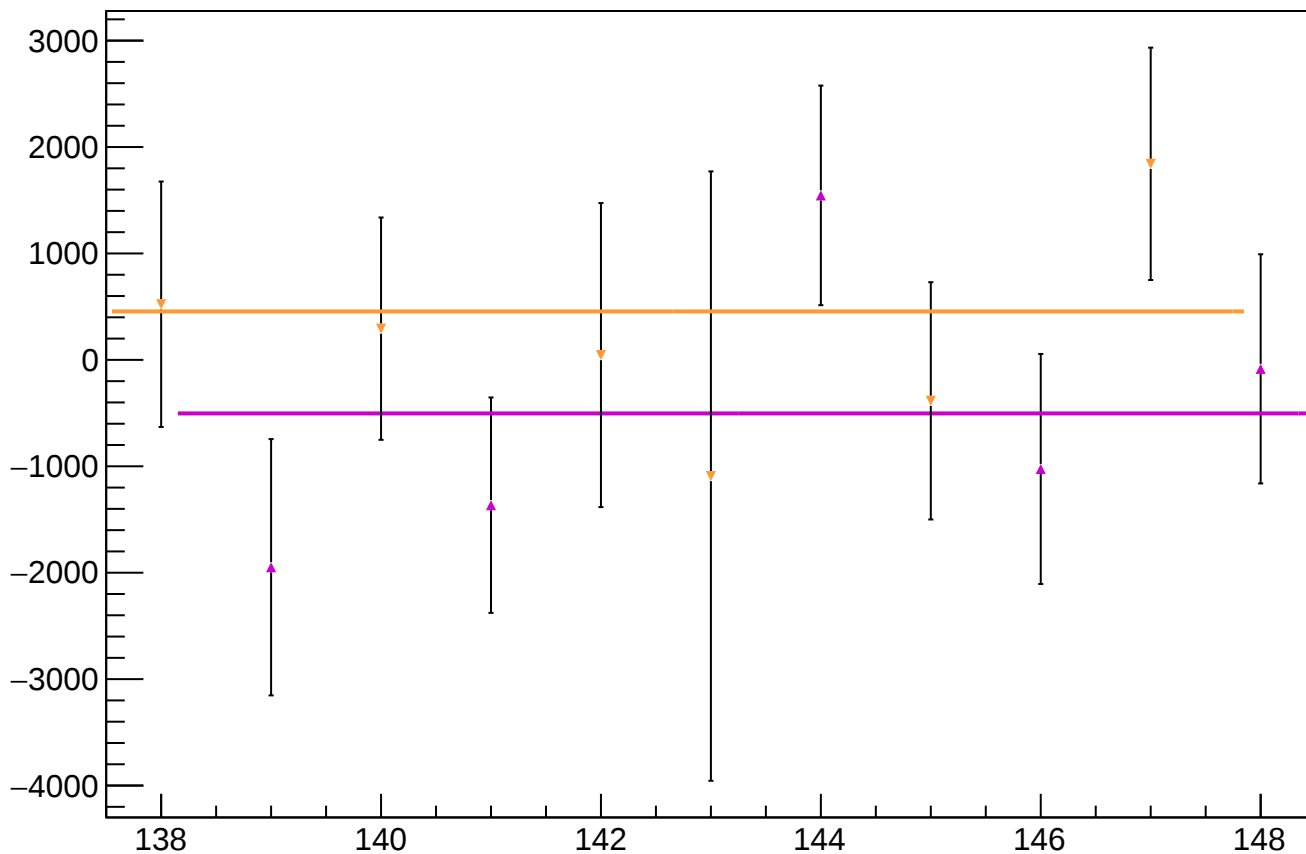
Left In: 1543.077+/-0.548 χ^2/NDF : 149726.5/4

1645.272+/-0.583 χ^2/NDF : 364466.7/5

1590.995+/-0.399 χ^2/NDF : 530496.0/10

1543.077+/-0.548 χ^2/NDF : 149726.5/4

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 455.335+/-504.795 χ^2/NDF : 2.6/5

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

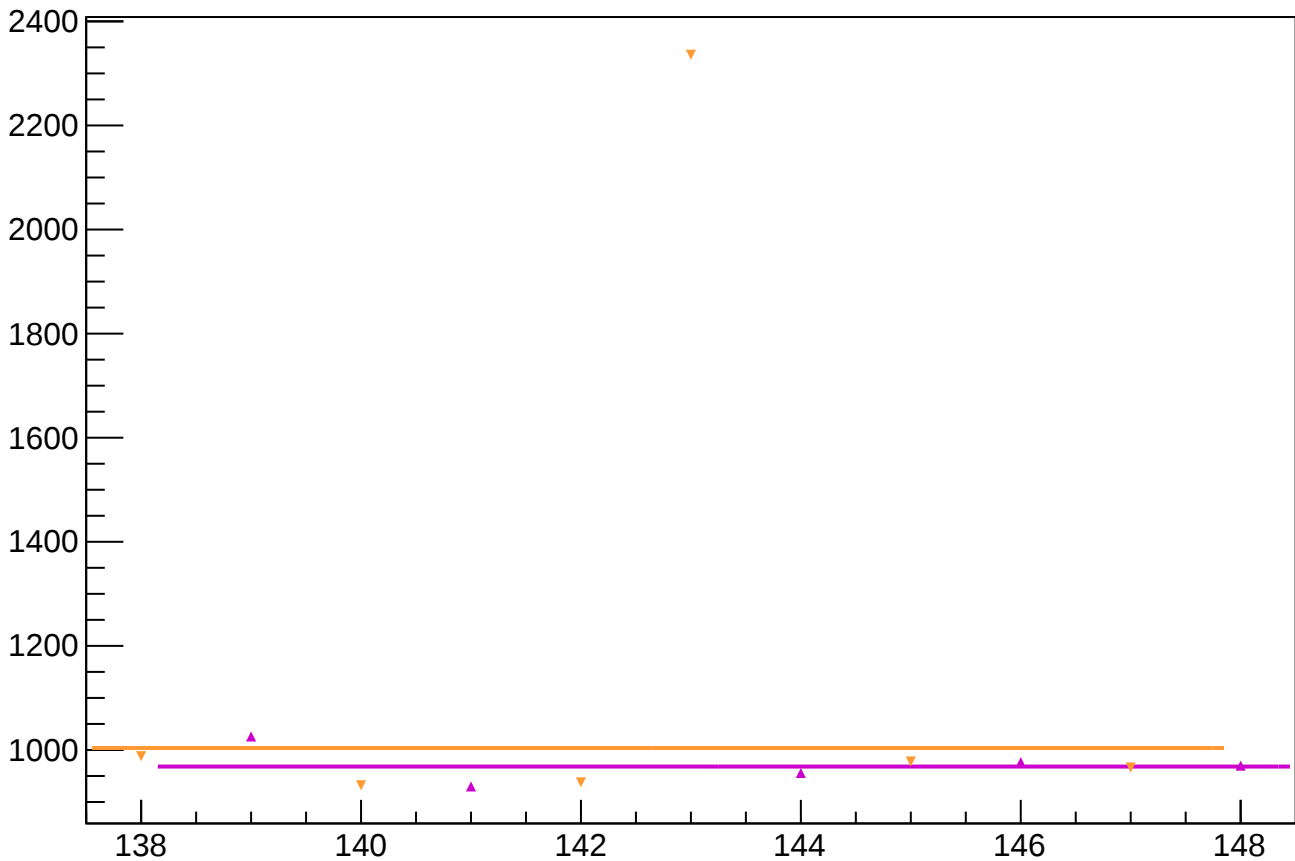
Left In: -503.113+/-480.926 χ^2/NDF : 6.5/4

455.335+/-504.795 χ^2/NDF : 2.6/5

-47.084+/-348.198 χ^2/NDF : 11.0/10

-503.113+/-480.926 χ^2/NDF : 6.5/4

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 1003.818+/-0.357 χ^2/NDF : 450436.8/5

1003.818+/-0.357 χ^2/NDF : 450436.8/5

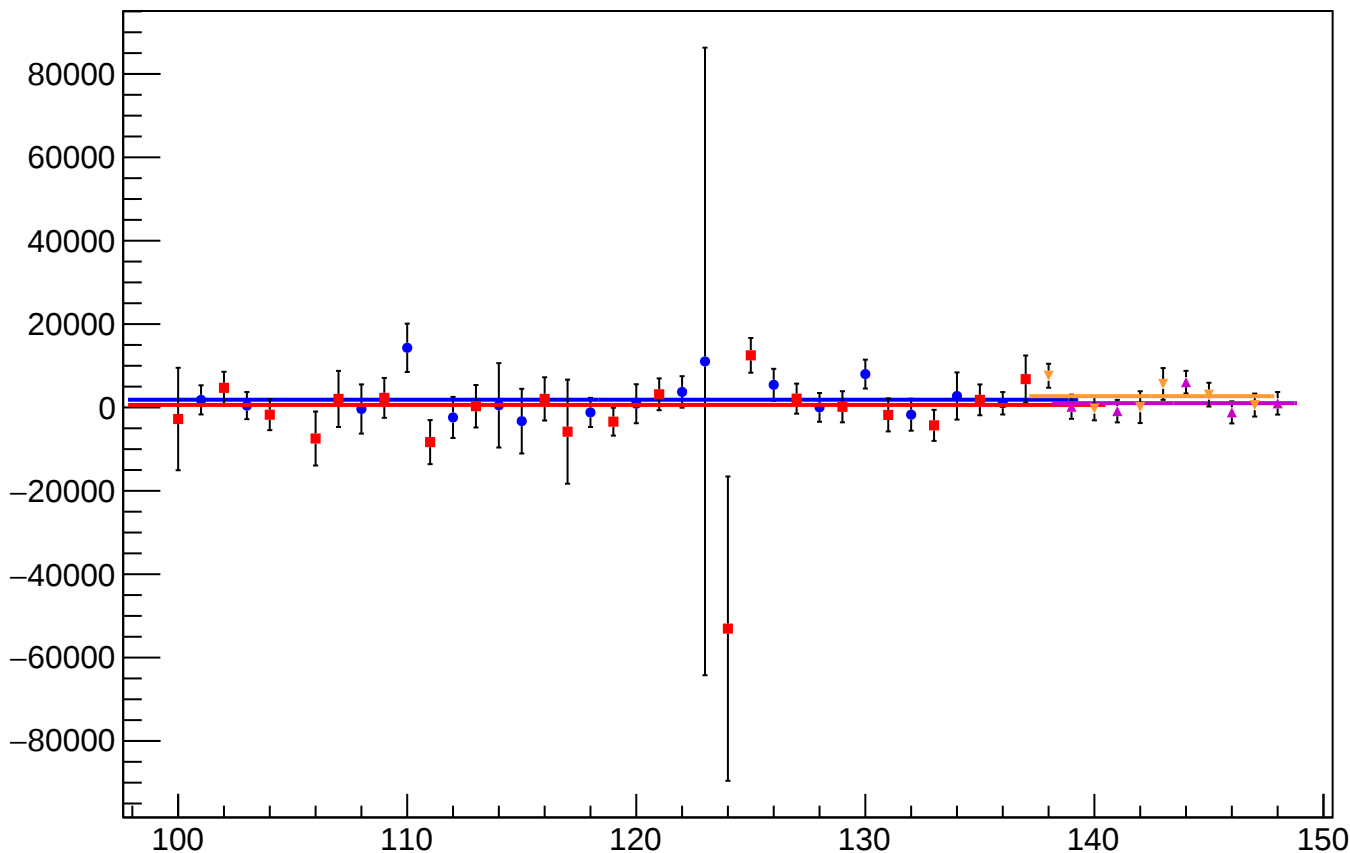
985.096+/-0.246 χ^2/NDF : 463563.8/10

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

968.102+/-0.340 χ^2/NDF : 7878.6/4

Left In: 968.102+/-0.340 χ^2/NDF : 7878.6/4

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2704.869+/-1249.221 χ^2/NDF : 5.7/5

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

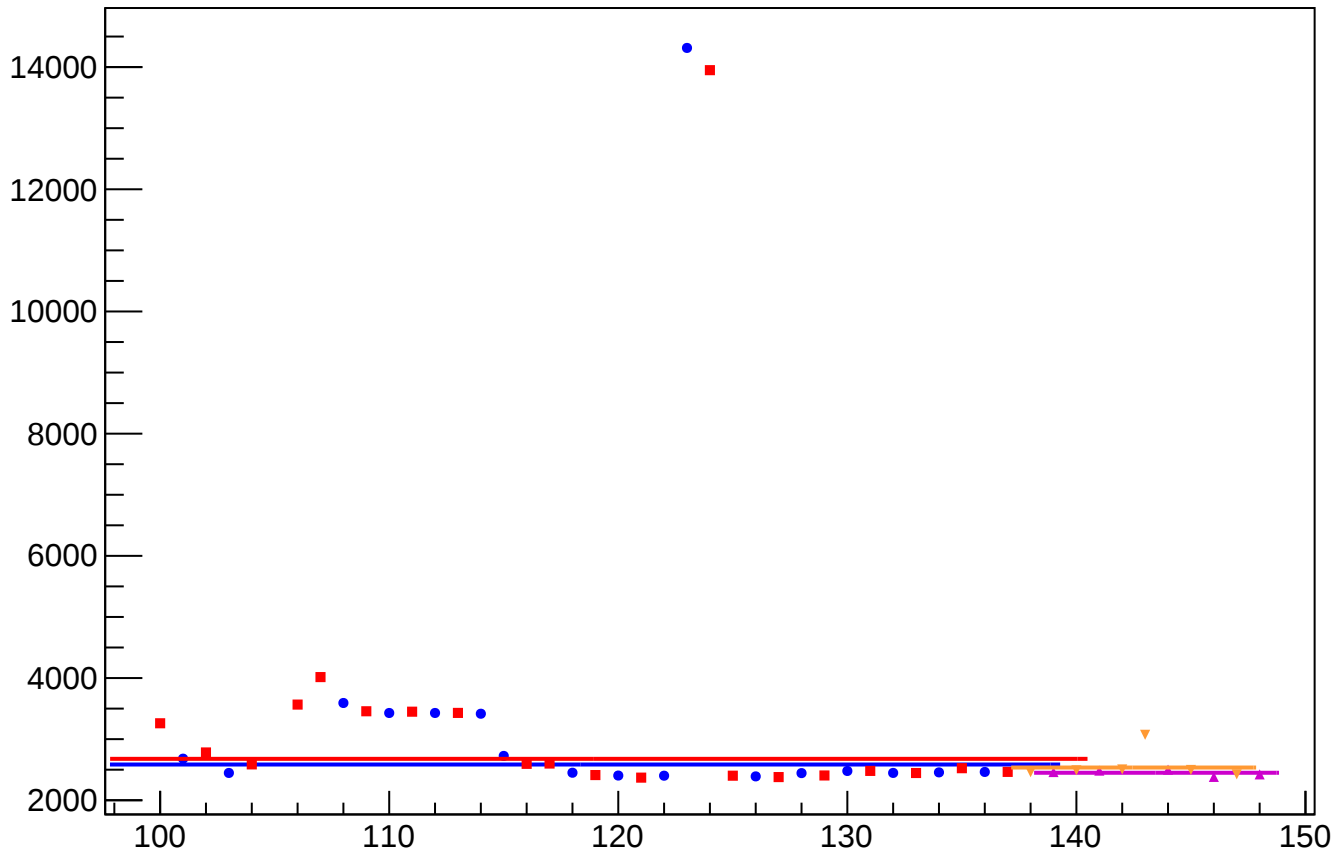
Left In: 1039.598+/-1220.716 χ^2/NDF : 4.8/4

2195.199+/-787.022 χ^2/NDF : 18.5/22

1487.536+/-555.038 χ^2/NDF : 47.3/47

787.307+/-782.878 χ^2/NDF : 27.2/24

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2535.467+/-0.883 χ^2/NDF : 45365.0/5

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

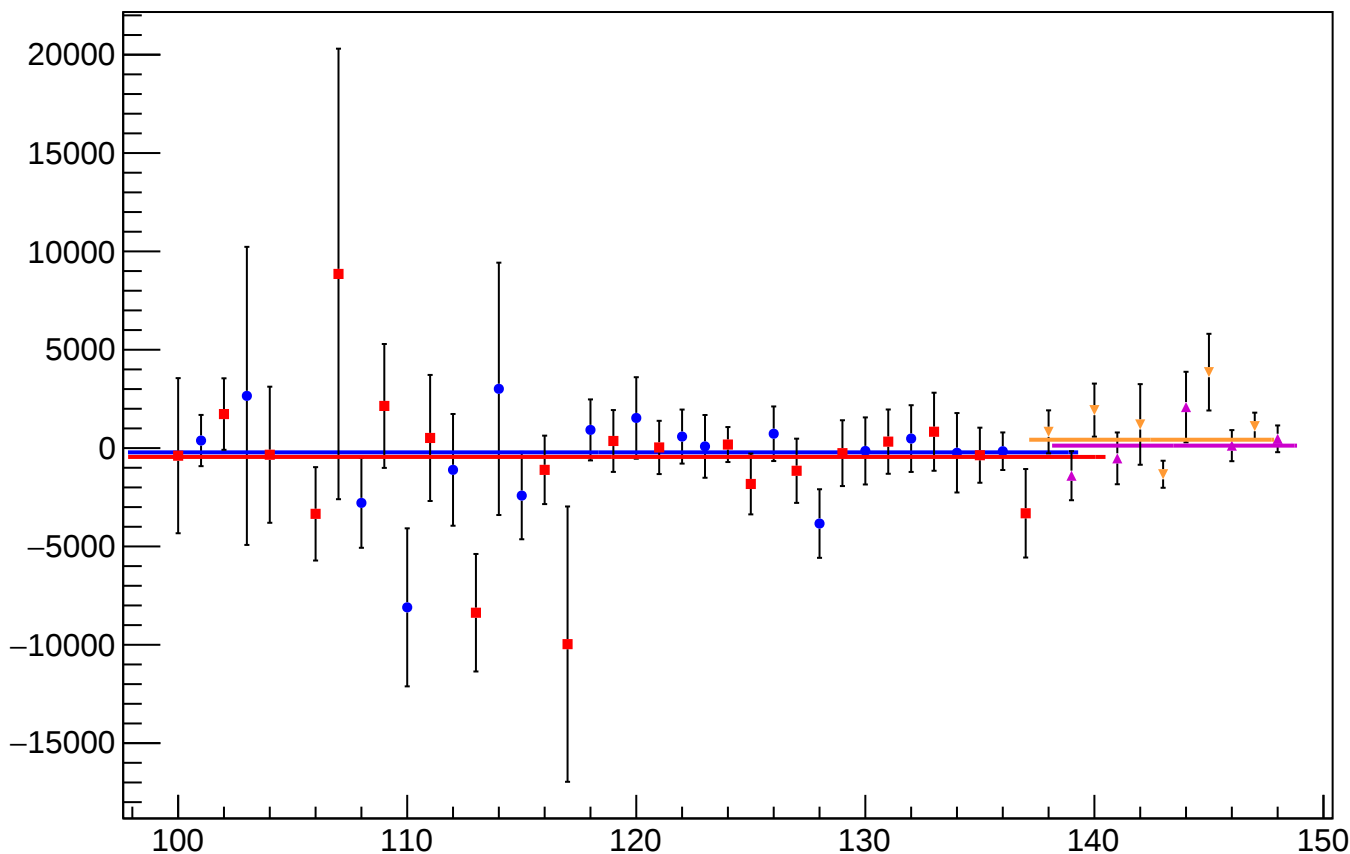
Left In: 2449.719+/-0.863 χ^2/NDF : 2580.8/4

2565.230+/-0.557 χ^2/NDF : 302958.0/22

2574.633+/-0.392 χ^2/NDF : 879351.1/47

2583.938+/-0.554 χ^2/NDF : 575825.1/24

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: -217.017 ± 420.077 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 425.247 ± 404.121 $\chi^2/\text{NDF}: 12.2/5$

Right Out: -449.702 ± 408.279 $\chi^2/\text{NDF}: 17.5/19$

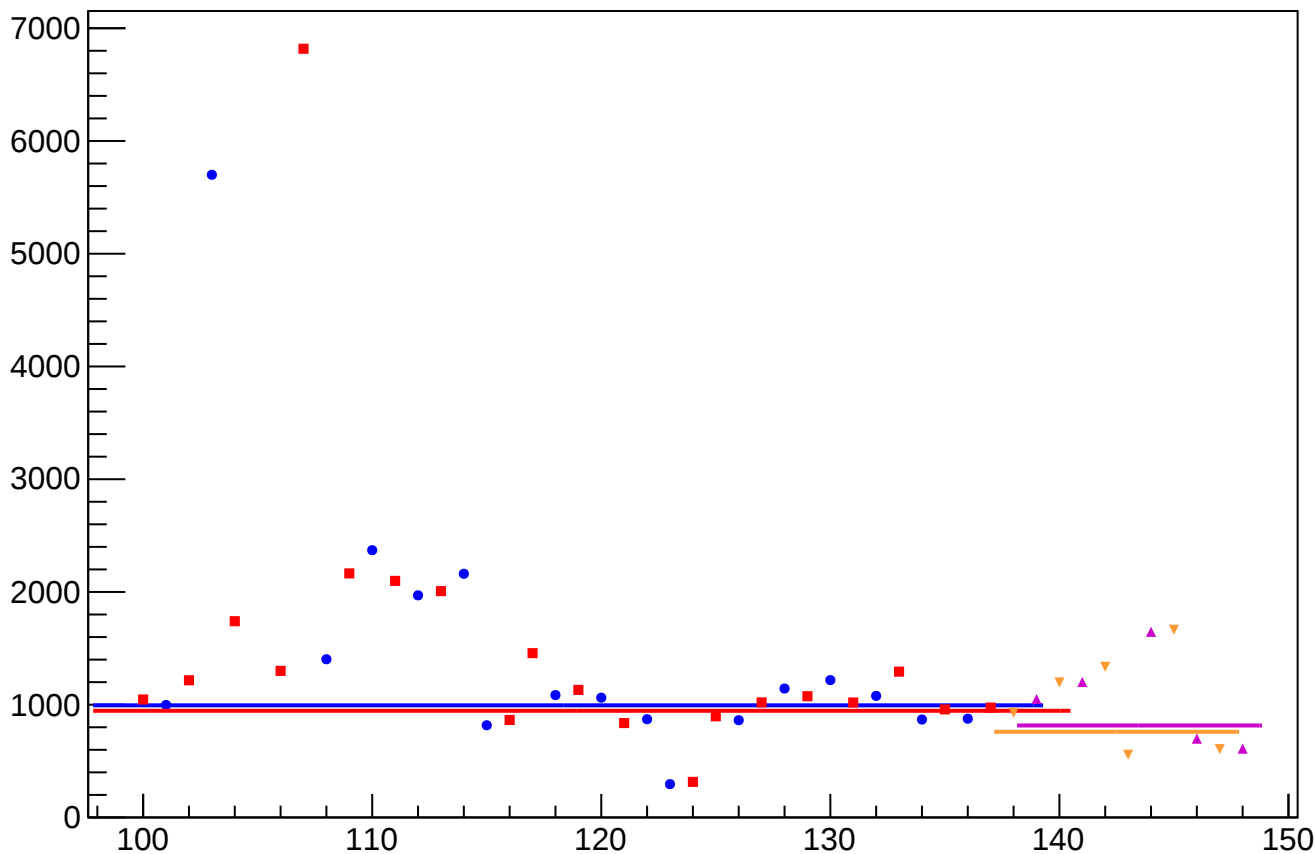
Left In: 125.037 ± 434.506 $\chi^2/\text{NDF}: 3.2/4$

116.545 ± 291.234 $\chi^2/\text{NDF}: 26.8/22$

-28.652 ± 208.126 $\chi^2/\text{NDF}: 48.9/47$

-180.200 ± 297.537 $\chi^2/\text{NDF}: 21.7/24$

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 760.026 $\pm$ 0.286 χ^2/NDF :1121807.5/5

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

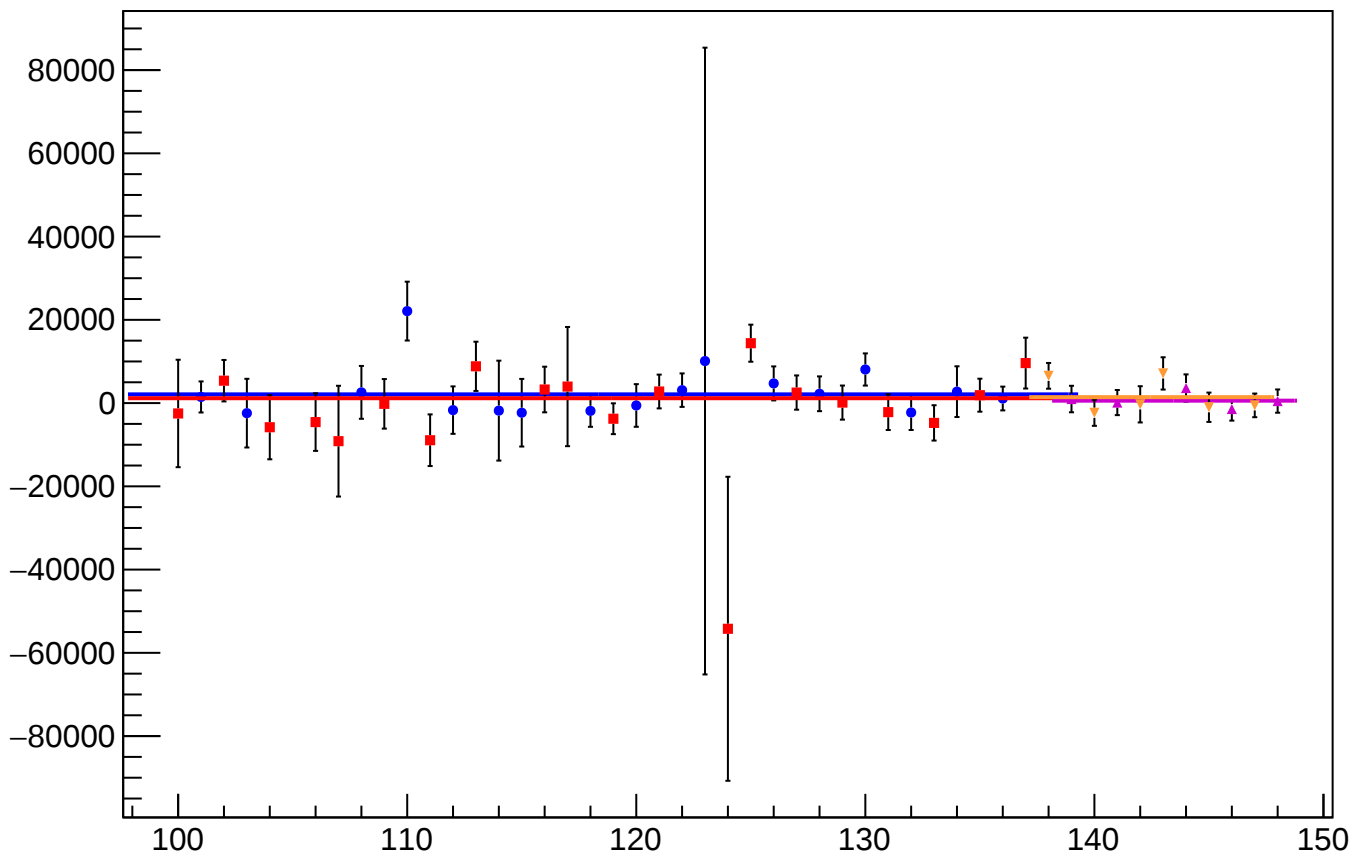
Left In: 815.788 $\pm$ 0.307 χ^2/NDF :898411.7/4

872.745 $\pm$ 0.206 χ^2/NDF : 3350081.6/22

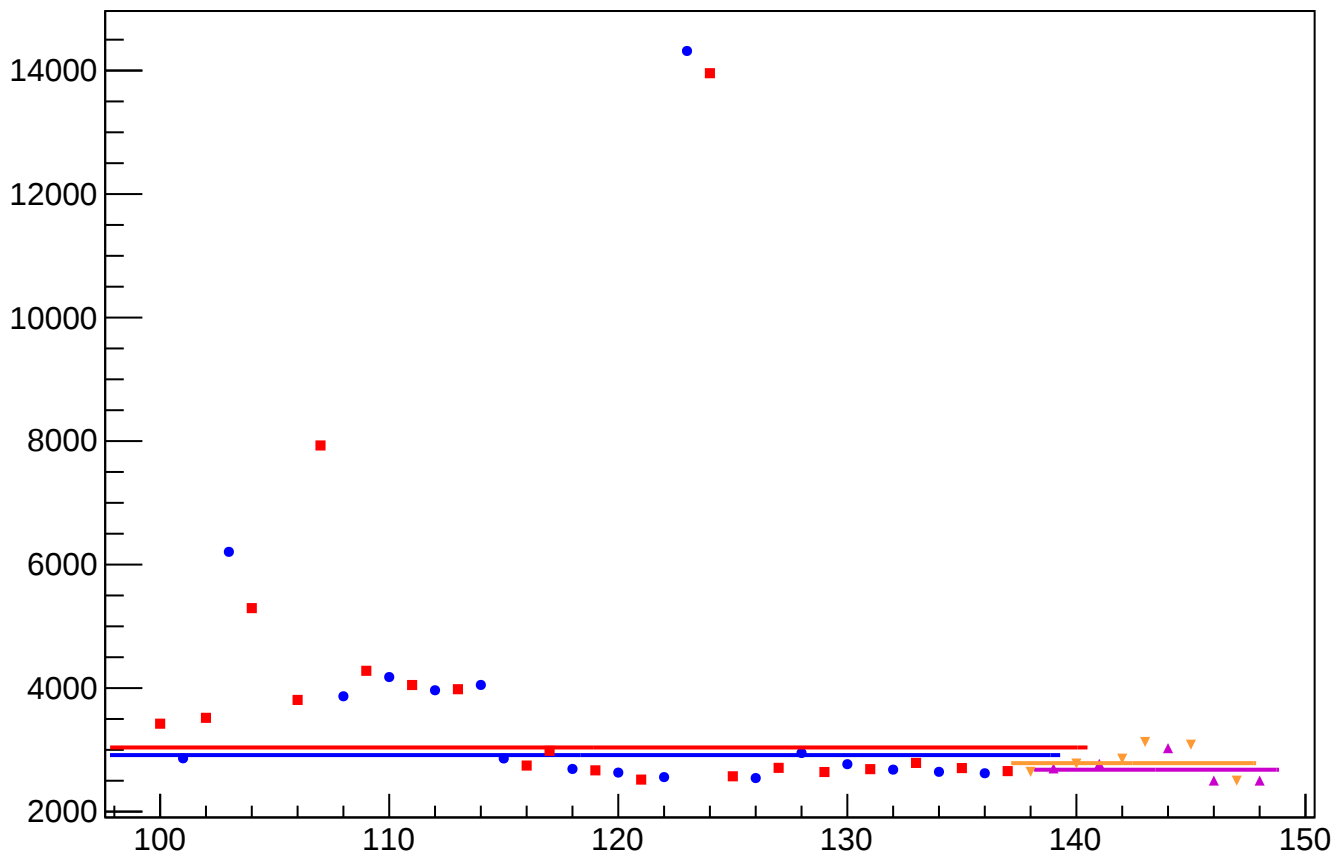
878.721 $\pm$ 0.147 χ^2/NDF : 7022362.3/47

884.959 $\pm$ 0.210 χ^2/NDF : 3670559.5/24

asym_atl1_mean vs Slug, Sign Corrected



asym_atl1_rms vs Slug, Sign Corrected



Right In: 2915.201 ± 0.821 $\chi^2/\text{NDF}: 639136.4/16$

Left Out: 2784.856 ± 0.971 $\chi^2/\text{NDF}: 54680.9/5$

Right Out: 3038.763 ± 0.836 $\chi^2/\text{NDF}: 1011412.5/19$

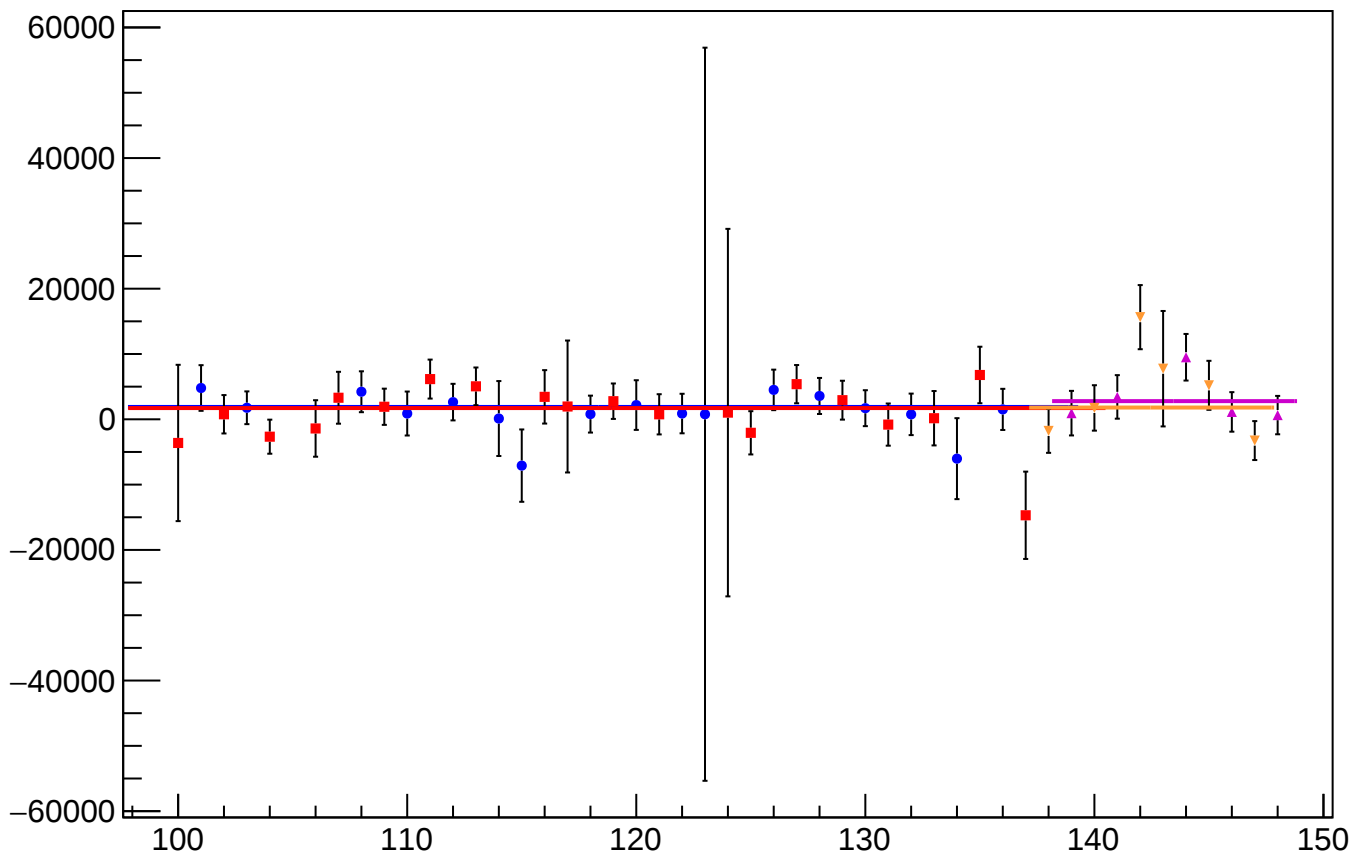
Left In: 2678.358 ± 0.946 $\chi^2/\text{NDF}: 40627.8/4$

2860.913 ± 0.627 $\chi^2/\text{NDF}: 704327.0/22$

2870.790 ± 0.443 $\chi^2/\text{NDF}: 1838299.5/47$

2880.665 ± 0.627 $\chi^2/\text{NDF}: 1133475.9/24$

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 1801.533 ± 1563.213 χ^2/NDF : 13.2/5

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

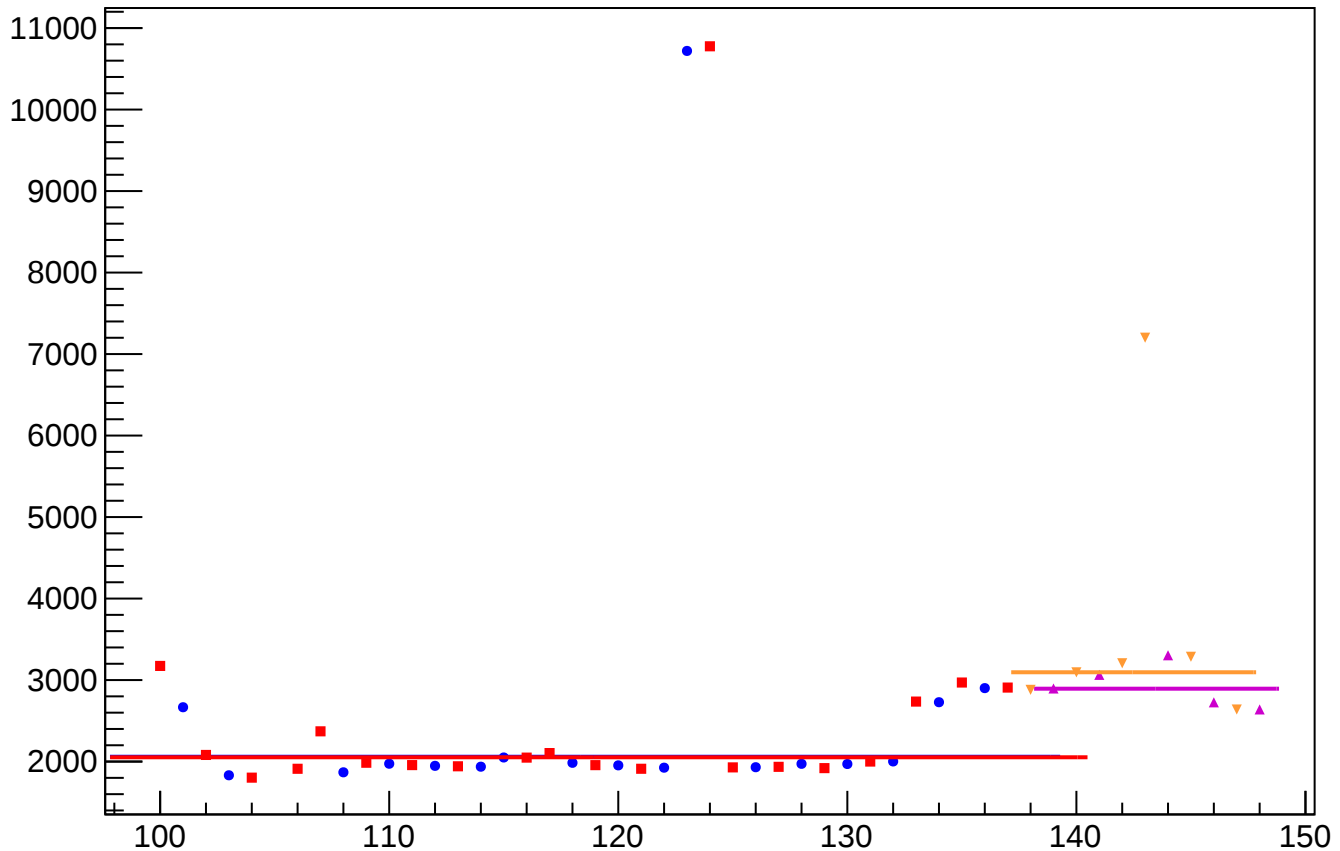
Left In: 2782.783 ± 1444.178 χ^2/NDF : 4.7/4

1871.178 ± 720.187 χ^2/NDF : 20.5/22

1919.544 ± 498.808 χ^2/NDF : 44.6/47

1964.137 ± 691.528 χ^2/NDF : 24.1/24

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 3095.682 +/- 1.105 χ^2/NDF : 492908.5/5

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

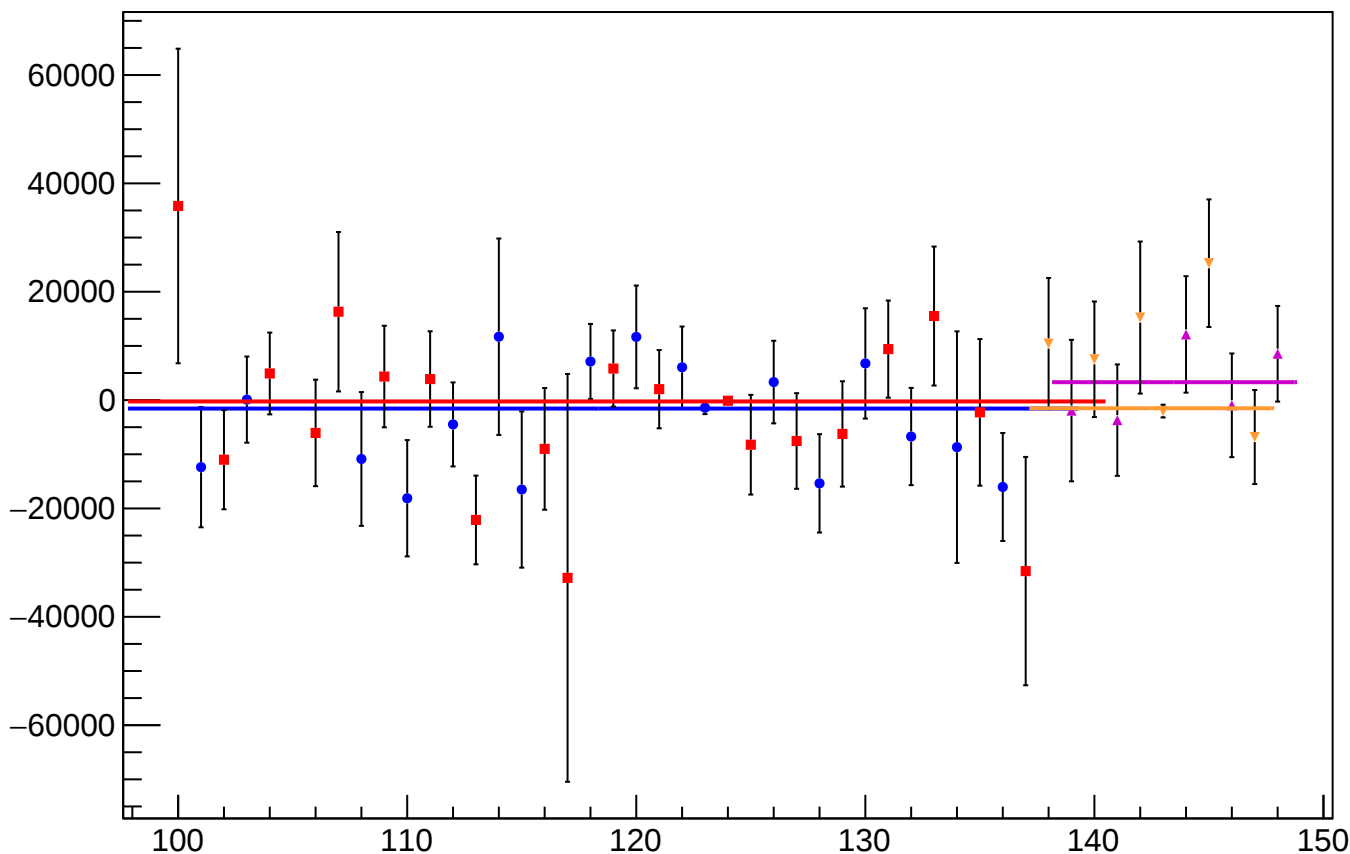
Left In: 2894.072 +/- 1.021 χ^2/NDF : 52731.6/4

2279.010 +/- 0.509 χ^2/NDF : 1504420.9/22

2261.584 +/- 0.353 χ^2/NDF : 2526121.2/47

2245.518 +/- 0.489 χ^2/NDF : 1019449.8/24

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1510.036 $\pm$ 1149.997 χ^2 /NDF: 8.9/5

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

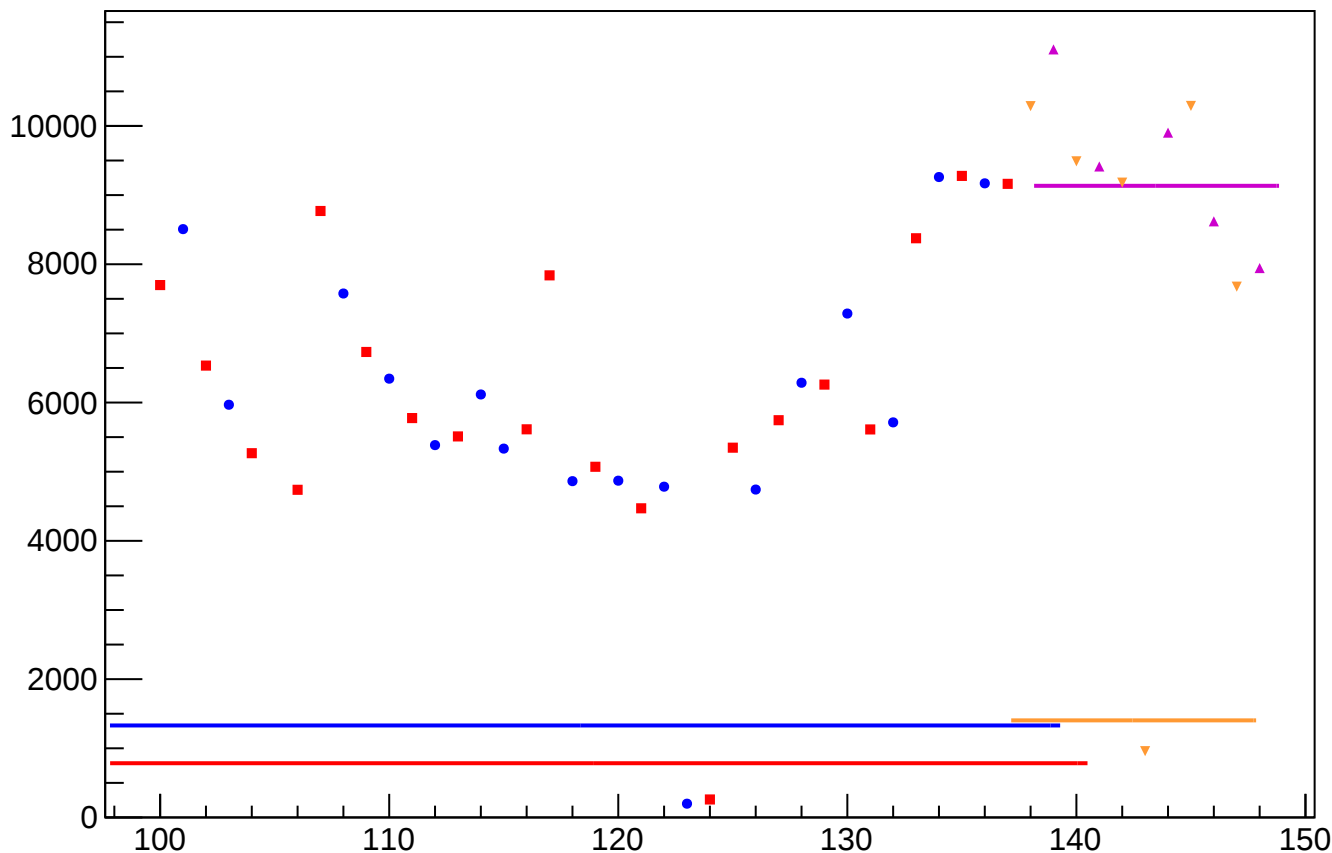
Left In: 3307.880 $\pm$ 4577.078 χ^2 /NDF: 1.9/4

-1538.940 $\pm$ 776.994 χ^2 /NDF: 25.0/22

-769.217 $\pm$ 514.745 χ^2 /NDF: 50.8/47

-167.172 $\pm$ 687.171 χ^2 /NDF: 24.0/24

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 1403.931+/-0.813 χ^2/NDF : 5305161.5/5

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

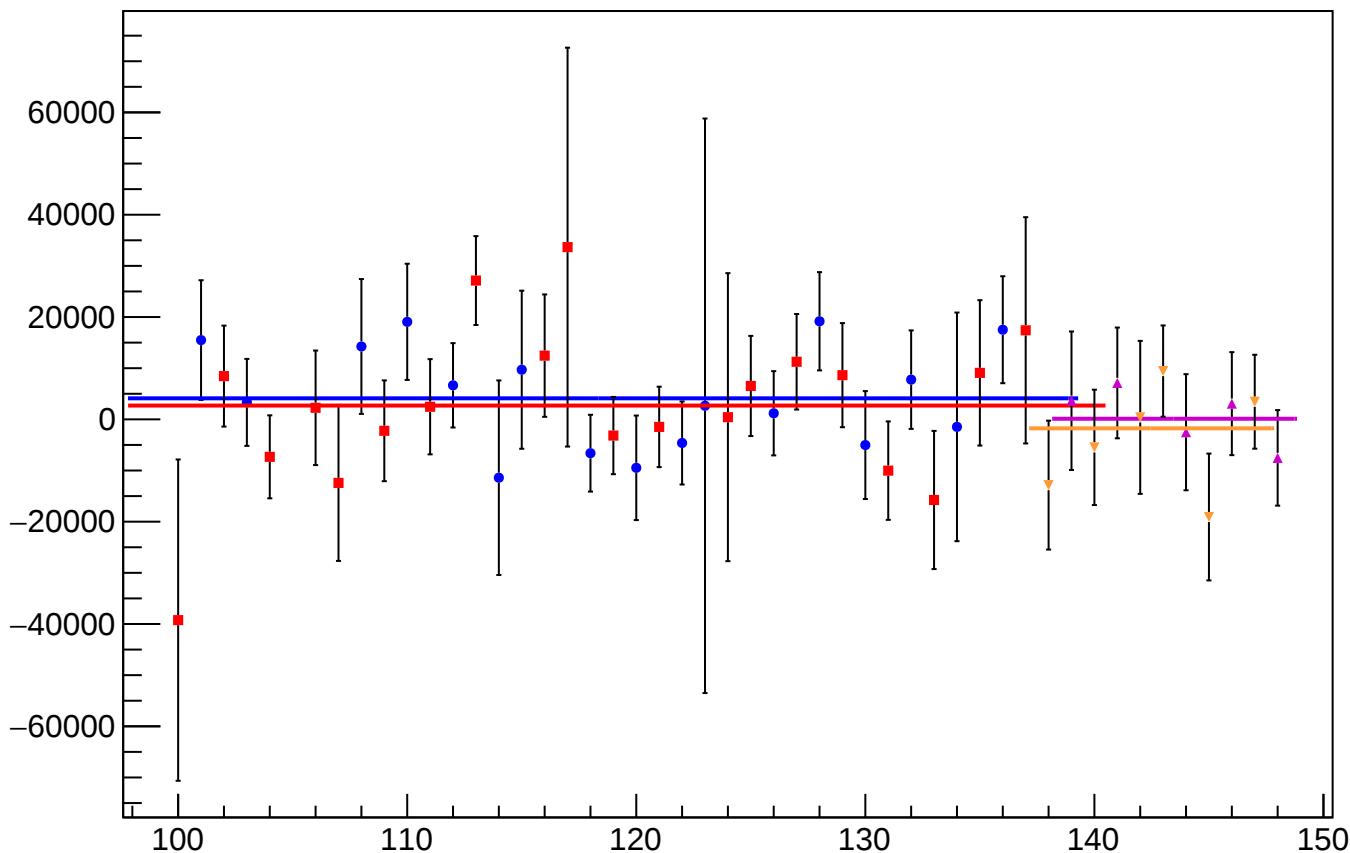
Left In: 9134.211+/-3.236 χ^2/NDF : 99446.1/4

1363.886+/-0.549 χ^2/NDF : 15356452.7/22

1144.251+/-0.364 χ^2/NDF : 33756987.2/4

972.462+/-0.486 χ^2/NDF : 18115732.6/24

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -1756.428 $\pm$ 4491.009 χ^2 /NDF: 4.8/5

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

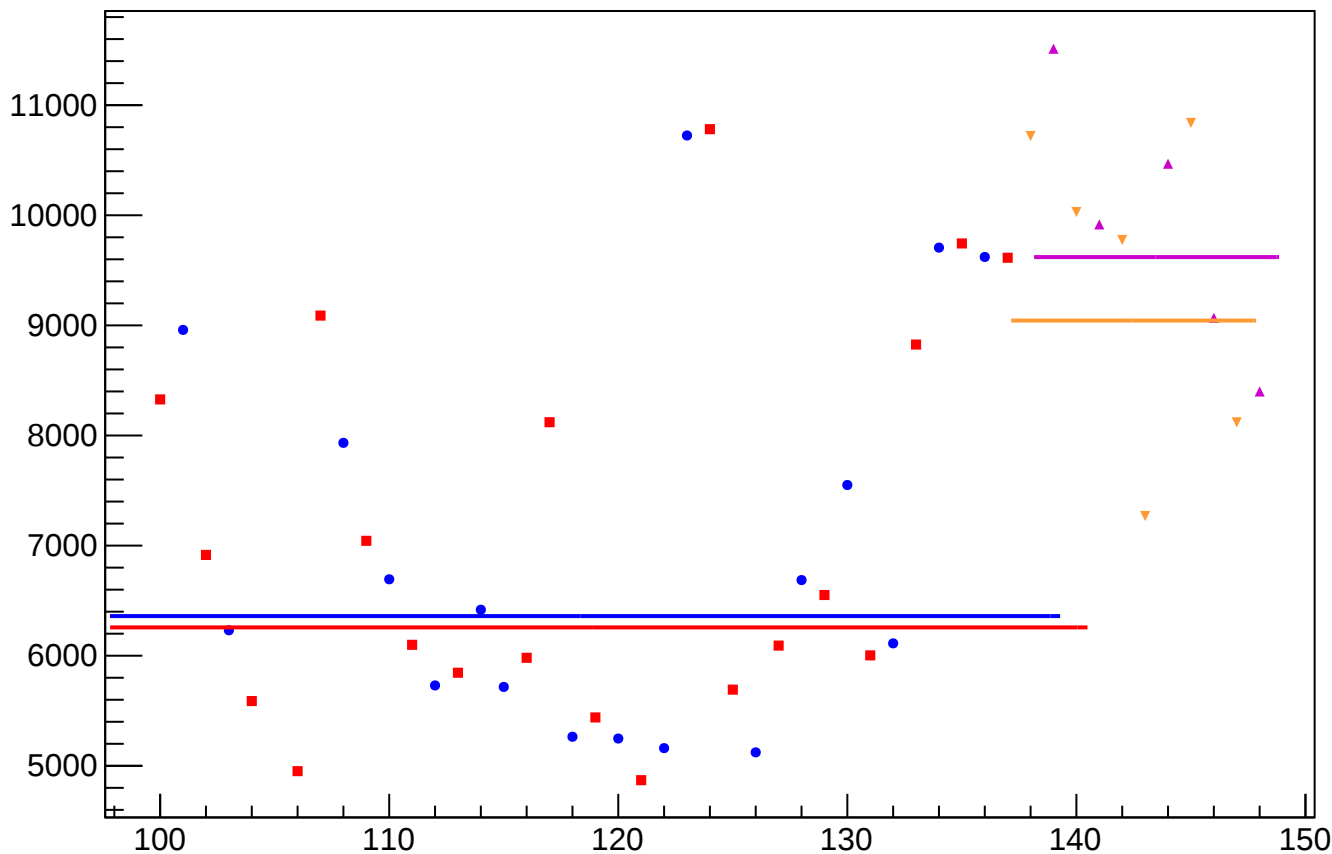
Left In: 117.954 $\pm$ 4817.458 χ^2 /NDF: 1.3/4

2694.324 $\pm$ 2207.224 χ^2 /NDF: 20.4/22

2430.951 $\pm$ 1543.597 χ^2 /NDF: 42.5/47

2178.843 $\pm$ 2159.508 χ^2 /NDF: 22.1/24

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6359.928 ± 1.792 $\chi^2/\text{NDF}: 580471.0/16$

Left Out: 9043.875 ± 3.176 $\chi^2/\text{NDF}: 196812.5/5$

Right Out: 6257.232 ± 1.708 $\chi^2/\text{NDF}: 537553.3/19$

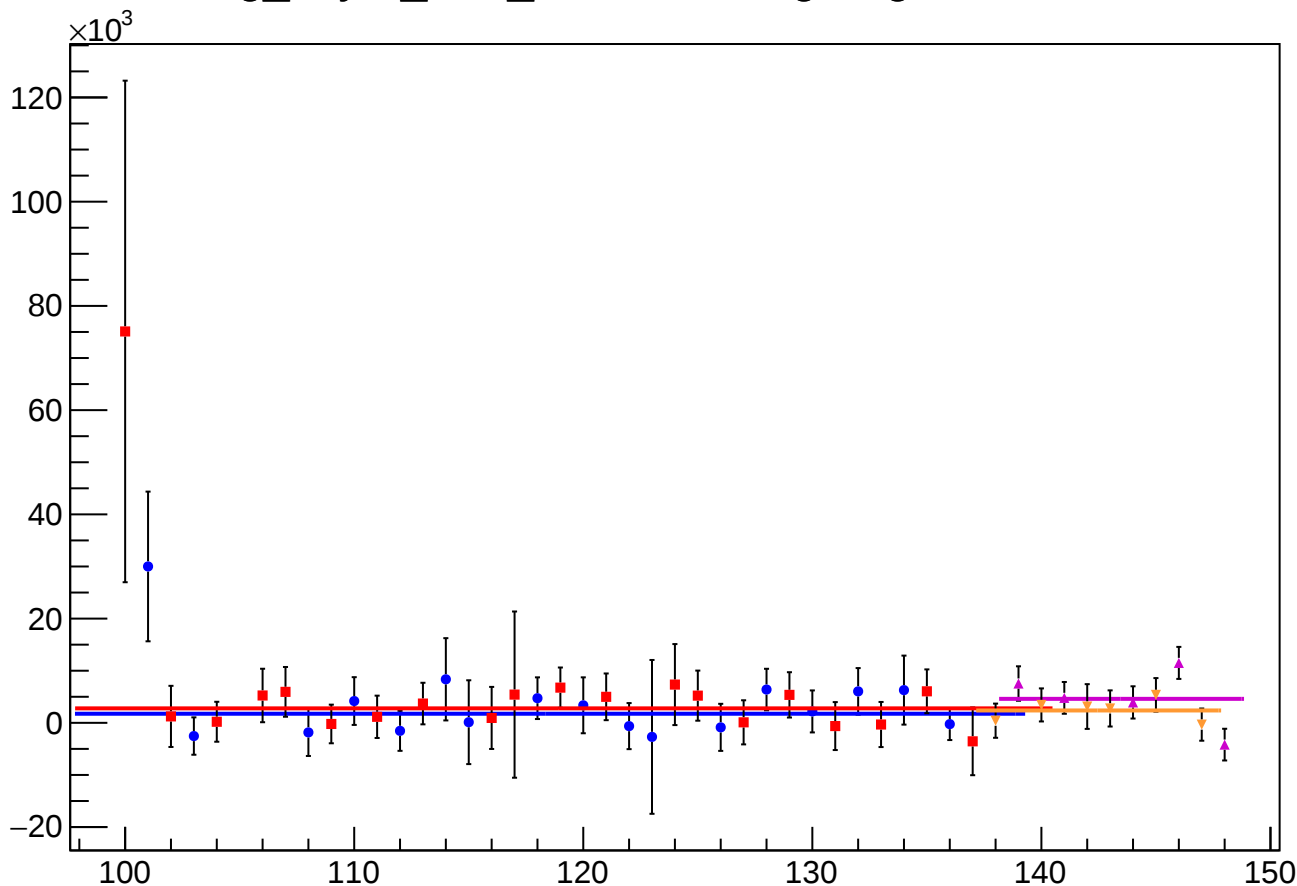
Left In: 9620.285 ± 3.406 $\chi^2/\text{NDF}: 91921.3/4$

7008.228 ± 1.561 $\chi^2/\text{NDF}: 1319057.8/22$

6969.773 ± 1.091 $\chi^2/\text{NDF}: 2728558.6/47$

6932.966 ± 1.527 $\chi^2/\text{NDF}: 1408312.6/24$

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1746.001+/-1128.522 χ^2/NDF : 12.2/16

Left Out: 2373.853+/-1372.641 χ^2/NDF : 2.1/5

Right Out: 2775.793+/-1069.534 χ^2/NDF : 9.7/19

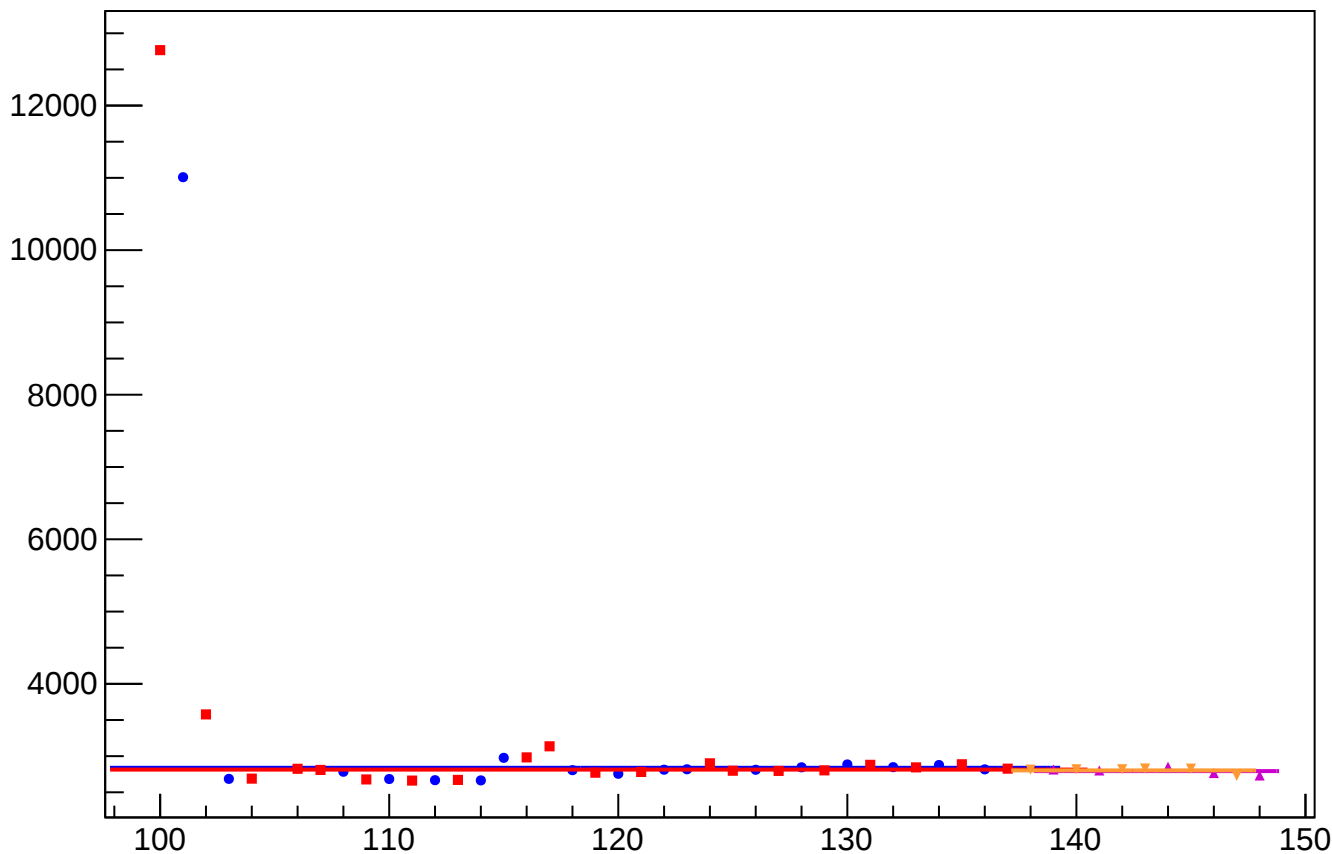
Left In: 4601.706+/-1389.890 χ^2/NDF : 14.2/4

1999.225+/-871.728 χ^2/NDF : 14.5/22

2747.457+/-607.704 χ^2/NDF : 40.9/47

3454.880+/-847.624 χ^2/NDF : 25.0/24

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2802.795+/-0.971 χ^2/NDF :1512.3/5

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

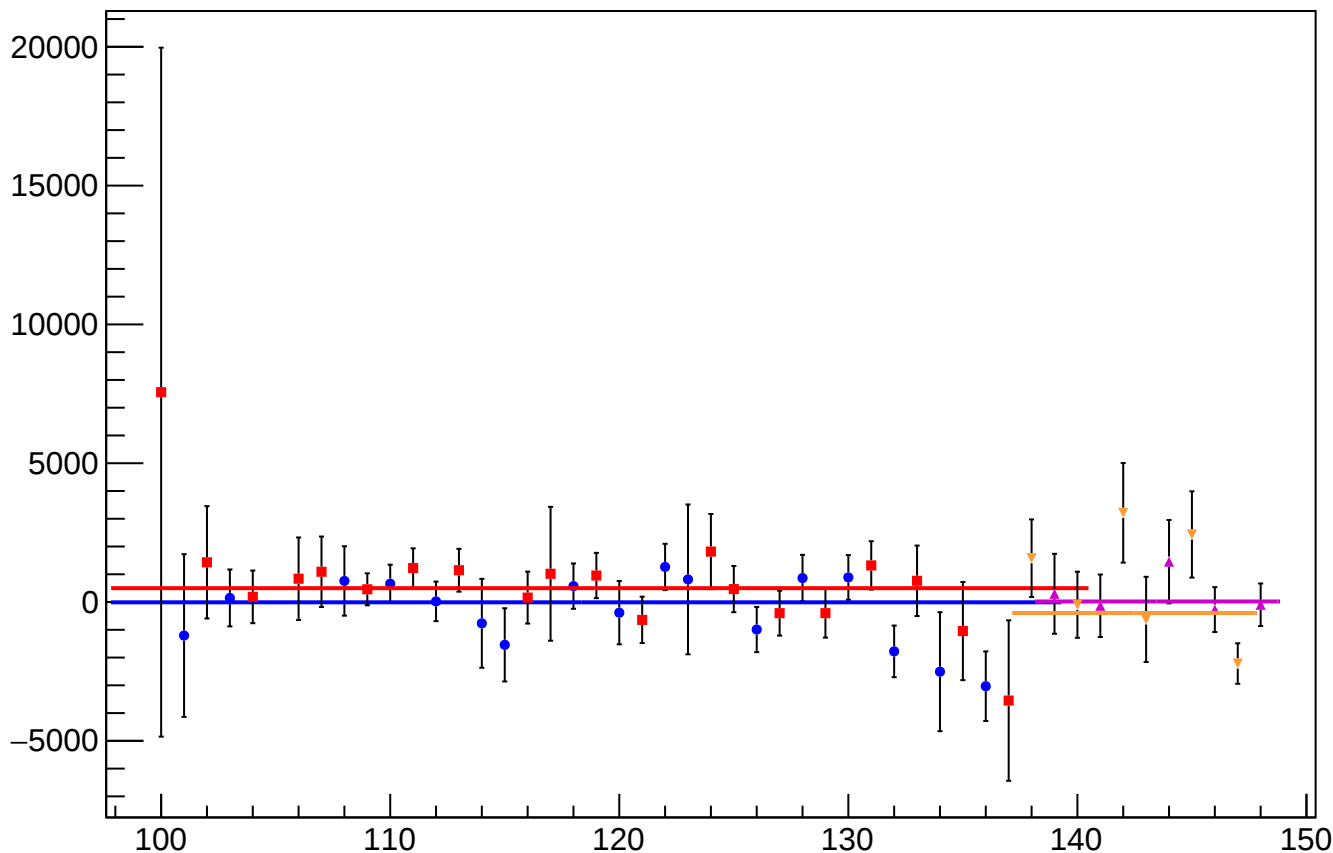
Left In: 2793.171+/-0.983 χ^2/NDF :1834.6/4

2824.241+/-0.616 χ^2/NDF : 662539.8/22

2815.022+/-0.430 χ^2/NDF : 798977.6/47

2806.305+/-0.599 χ^2/NDF : 136002.6/24

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -395.380 ± 485.304 χ^2/NDF : 15.7/5

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

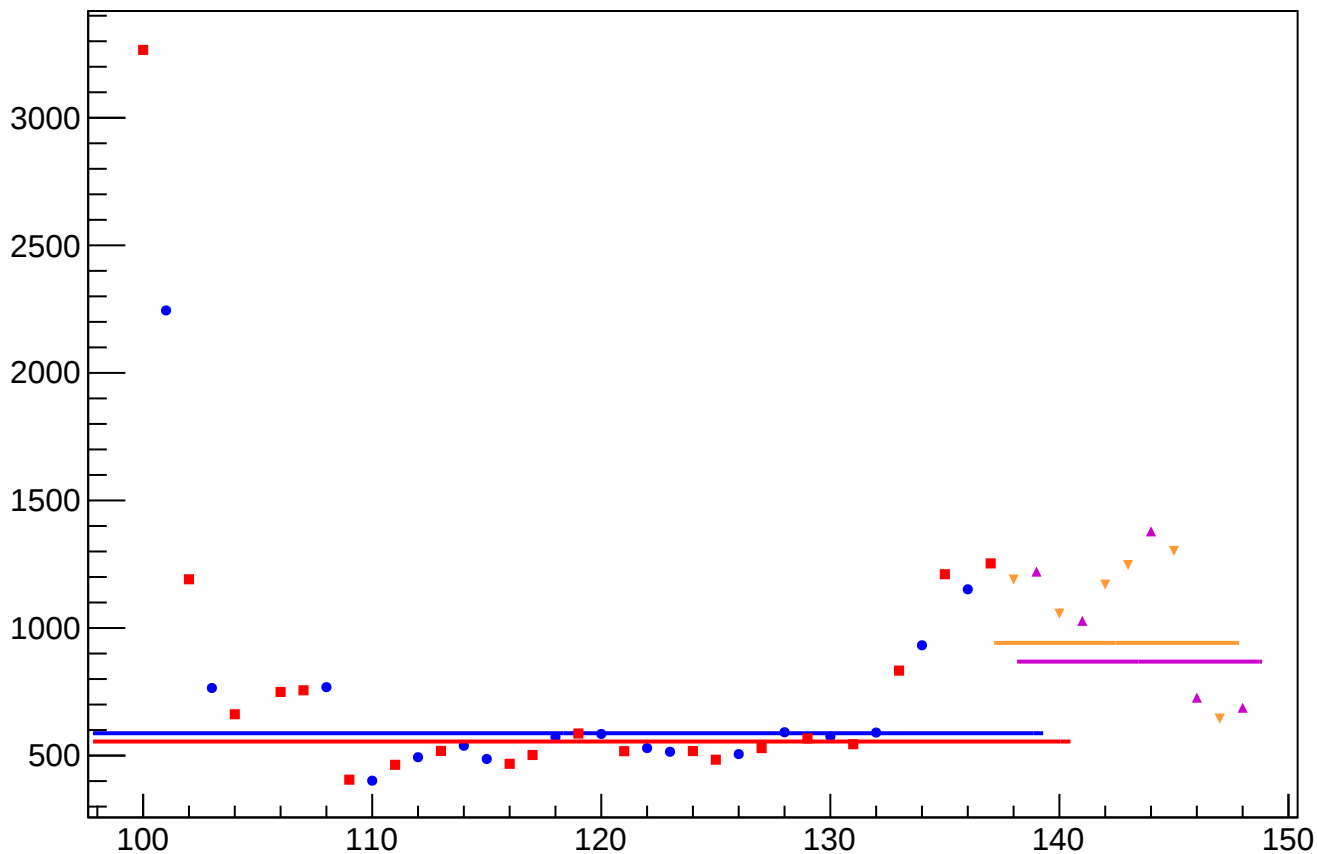
Left In: 20.131 ± 449.599 χ^2/NDF : 1.1/4

-86.457 ± 216.337 χ^2/NDF : 36.9/22

181.840 ± 146.066 χ^2/NDF : 53.7/47

406.616 ± 198.015 χ^2/NDF : 14.0/24

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 587.596 $\pm$ 0.171 χ^2/NDF : 1425769.6/16

Left Out: 941.783 $\pm$ 0.343 χ^2/NDF : 632007.3/5

Right Out: 555.088 $\pm$ 0.156 χ^2/NDF : 1107729.2/19

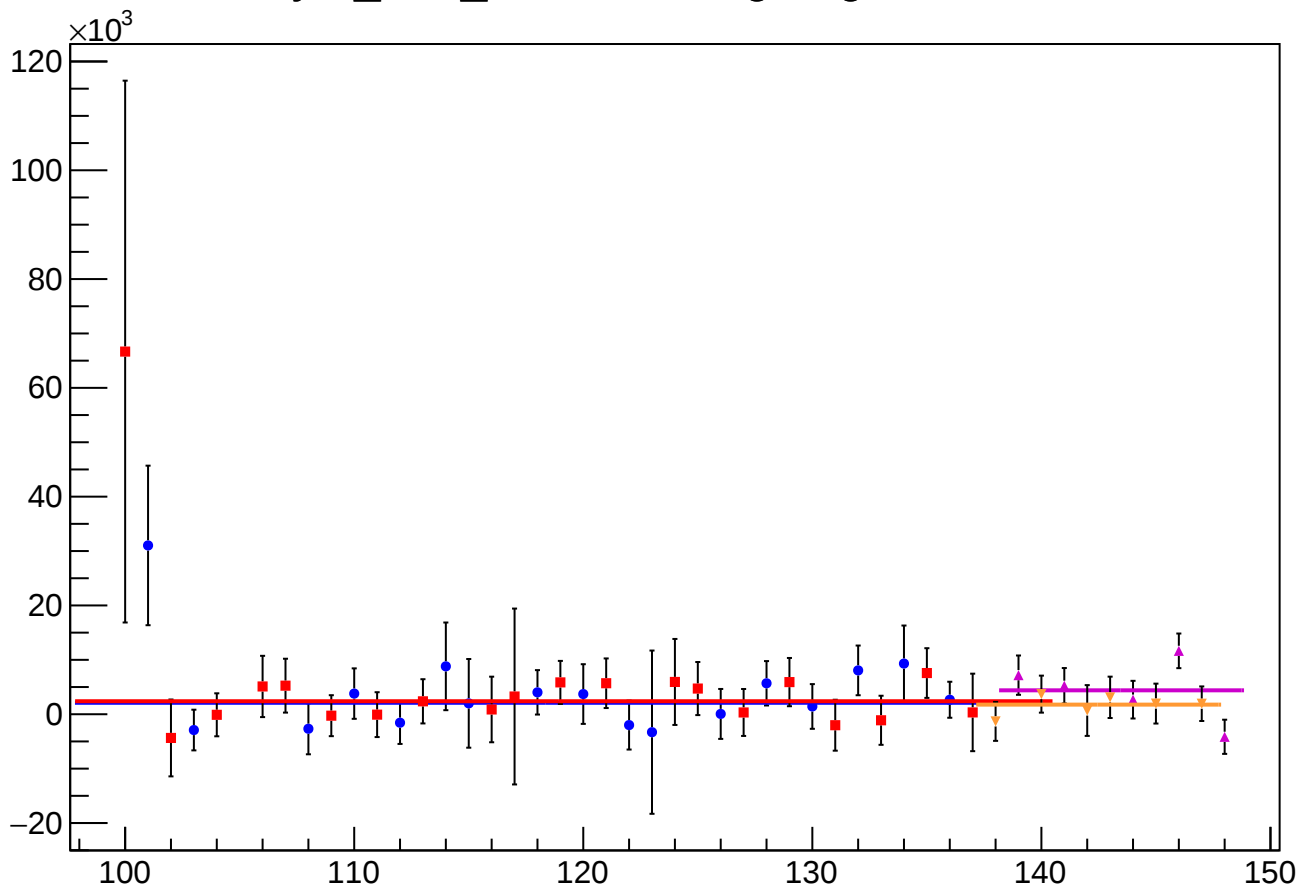
Left In: 868.344 $\pm$ 0.318 χ^2/NDF : 563883.3/4

657.979 $\pm$ 0.153 χ^2/NDF : 2911373.9/22

635.056 $\pm$ 0.103 χ^2/NDF : 5406829.3/47

615.851 $\pm$ 0.140 χ^2/NDF : 2454187.6/24

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 1766.141 ± 1485.652 χ^2/NDF : 1.2/5

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

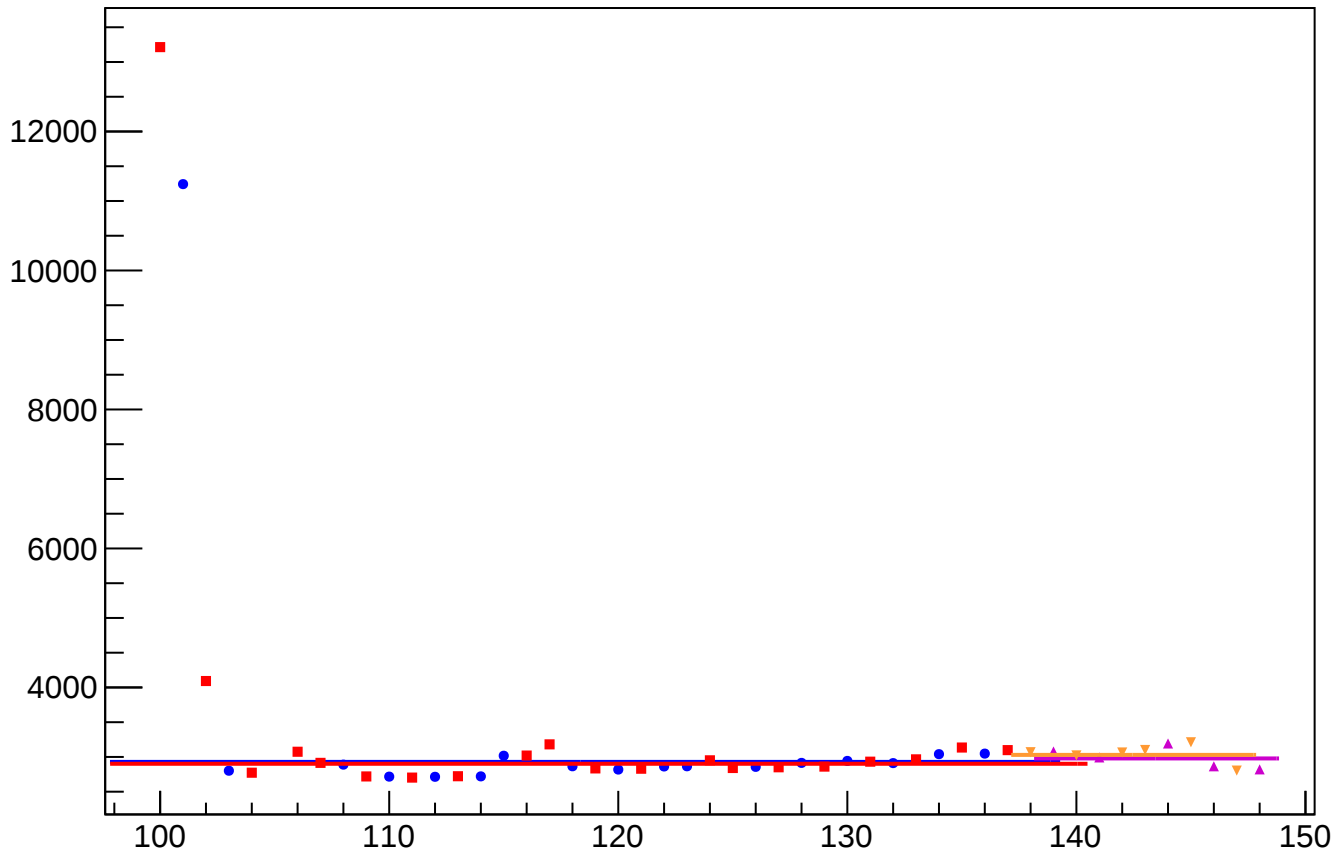
Left In: 4395.223 ± 1483.518 χ^2/NDF : 13.5/4

1978.229 ± 916.426 χ^2/NDF : 14.8/22

2561.037 ± 637.555 χ^2/NDF : 40.1/47

3107.690 ± 887.545 χ^2/NDF : 24.6/24

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 3029.627+/-1.051 χ^2/NDF :16049.9/5

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

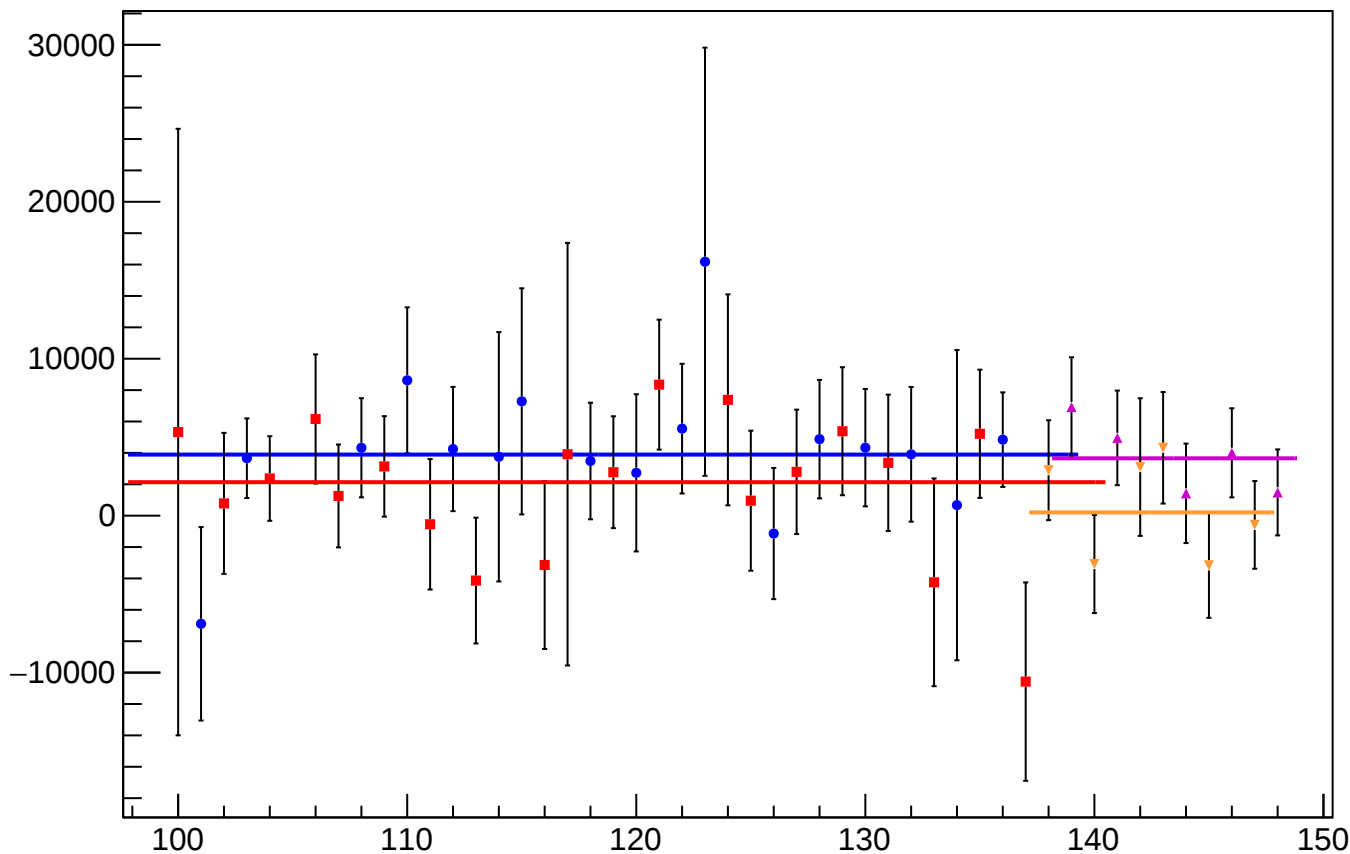
Left In: 2978.427+/-1.049 χ^2/NDF :16858.0/4

2967.103+/-0.648 χ^2/NDF : 684130.8/22

2947.556+/-0.451 χ^2/NDF : 876500.1/47

2929.221+/-0.628 χ^2/NDF : 190605.7/24

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 209.460+/-1348.447 χ^2/NDF : 4.7/5

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

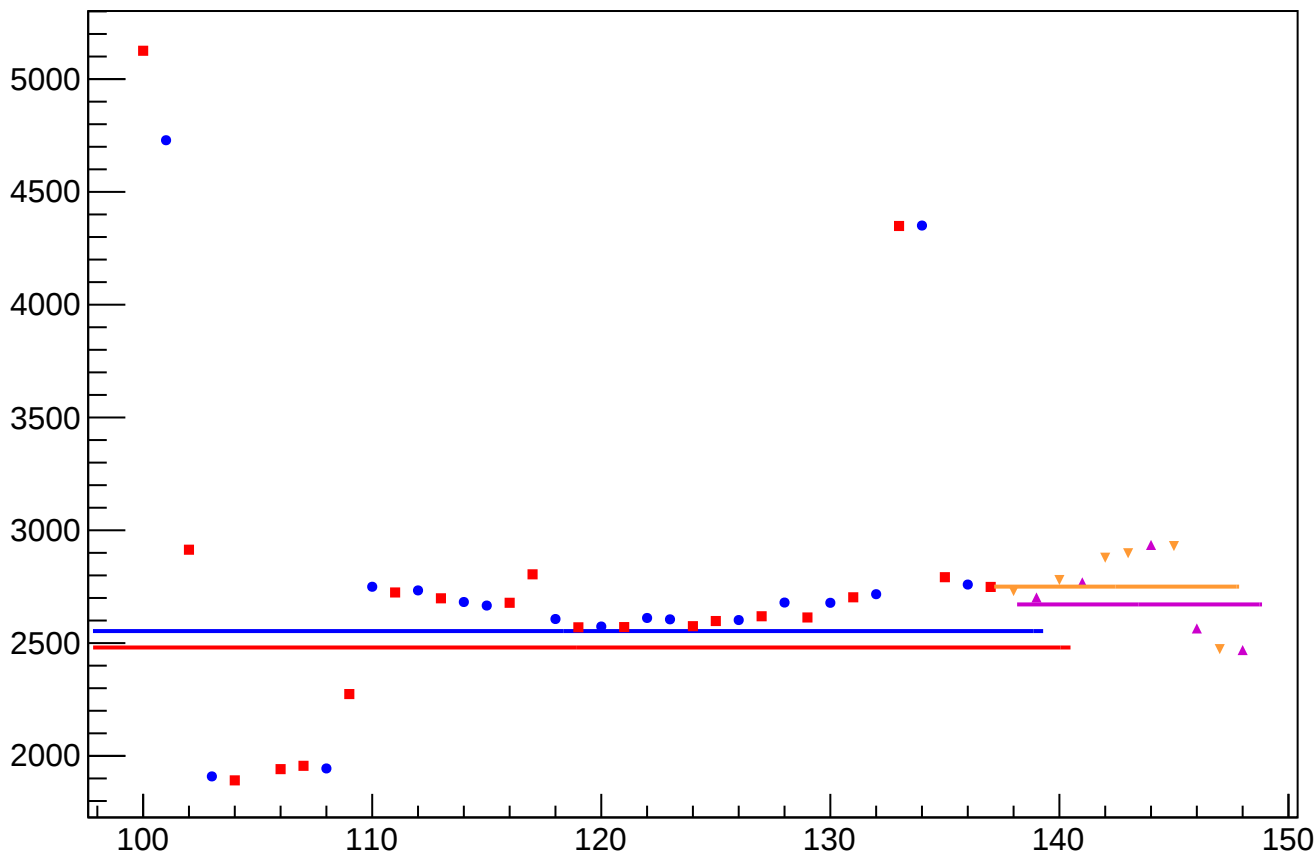
Left In: 3654.320+/-1328.731 χ^2/NDF : 2.4/4

2565.965+/-809.264 χ^2/NDF : 16.6/22

2610.989+/-560.112 χ^2/NDF : 34.2/47

2652.391+/-776.017 χ^2/NDF : 17.6/24

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2750.310 +/- 0.953 χ^2/NDF : 30883.4/5

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

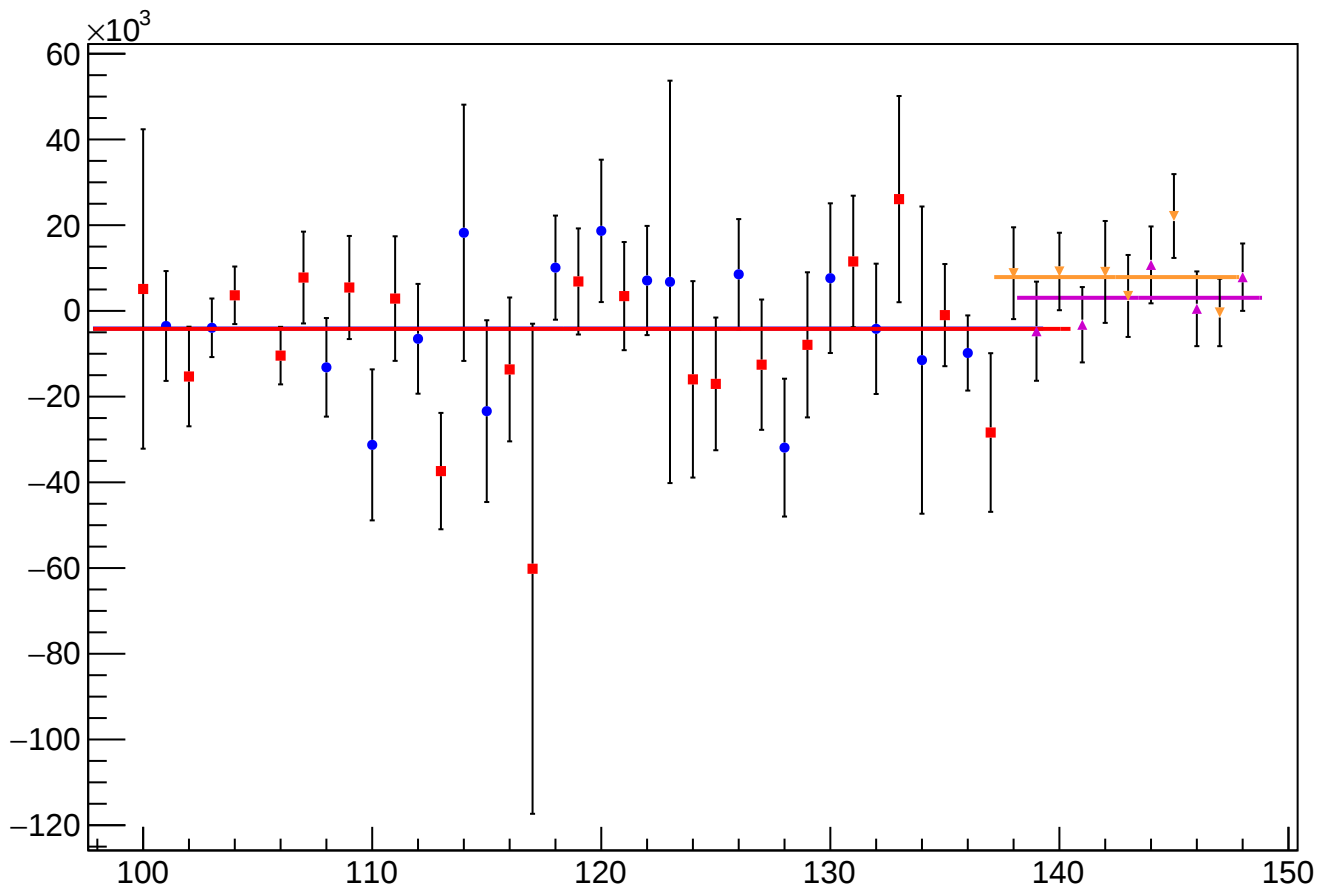
Left In: 2671.368 +/- 0.940 χ^2/NDF : 29866.5/4

2624.246 +/- 0.572 χ^2/NDF : 603430.8/22

2583.277 +/- 0.396 χ^2/NDF : 1120996.9/47

2545.605 +/- 0.549 χ^2/NDF : 507727.2/24

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 7889.732 ± 3905.485 χ^2/NDF : 3.5/5

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

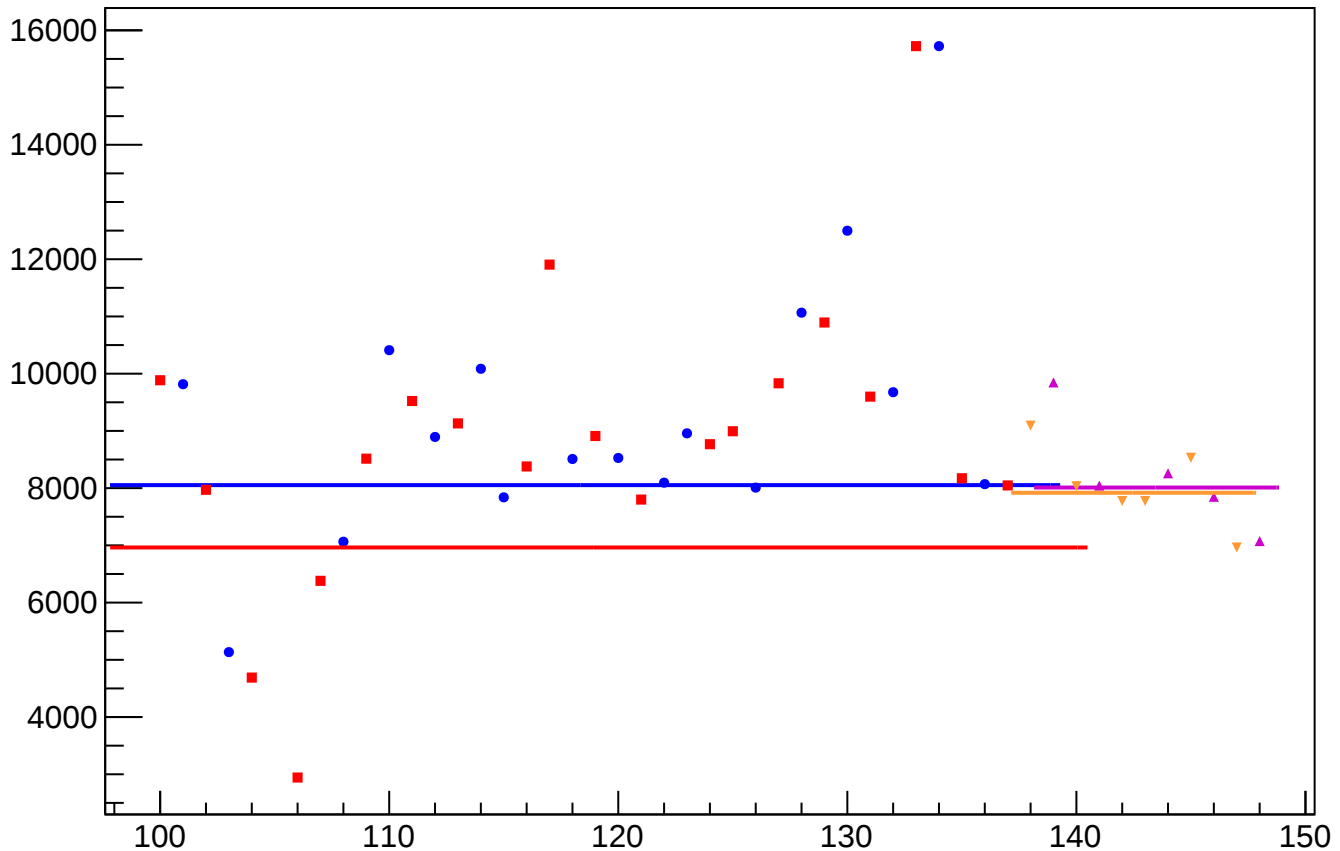
Left In: 3055.345 ± 4010.071 χ^2/NDF : 2.2/4

748.995 ± 2487.685 χ^2/NDF : 22.5/22

-610.529 ± 1693.795 χ^2/NDF : 46.8/47

-1785.475 ± 2312.656 χ^2/NDF : 23.8/24

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 7919.051+/-2.762 χ^2/NDF : 62424.5/5

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

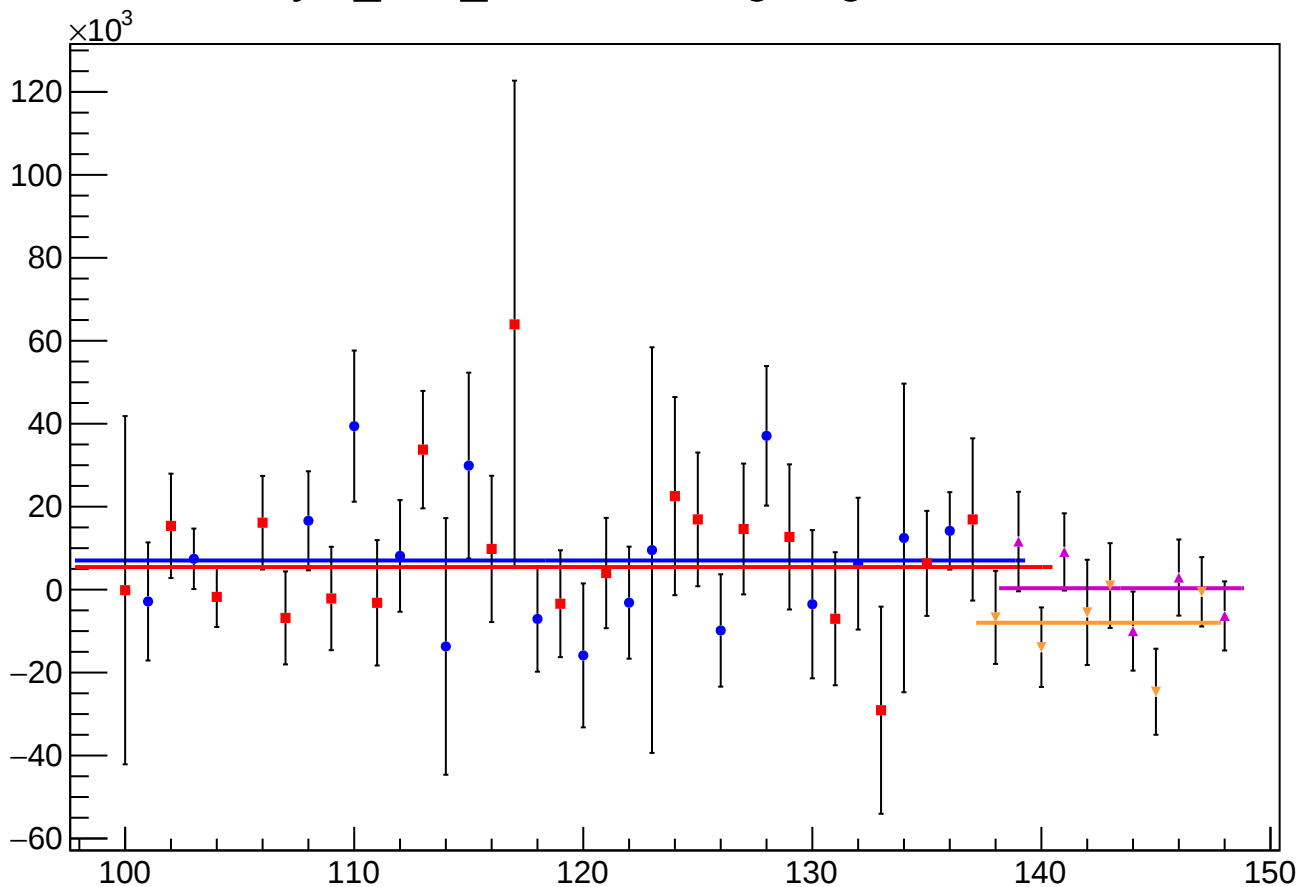
Left In: 8010.566+/-2.836 χ^2/NDF : 81017.5/4

7998.386+/-1.759 χ^2/NDF : 854537.4/22

7629.919+/-1.198 χ^2/NDF : 2899991.2/47

7311.477+/-1.635 χ^2/NDF : 1963656.9/24

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -7988.756 $\pm$ 4144.554 χ^2 /NDF: 4.6/5

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

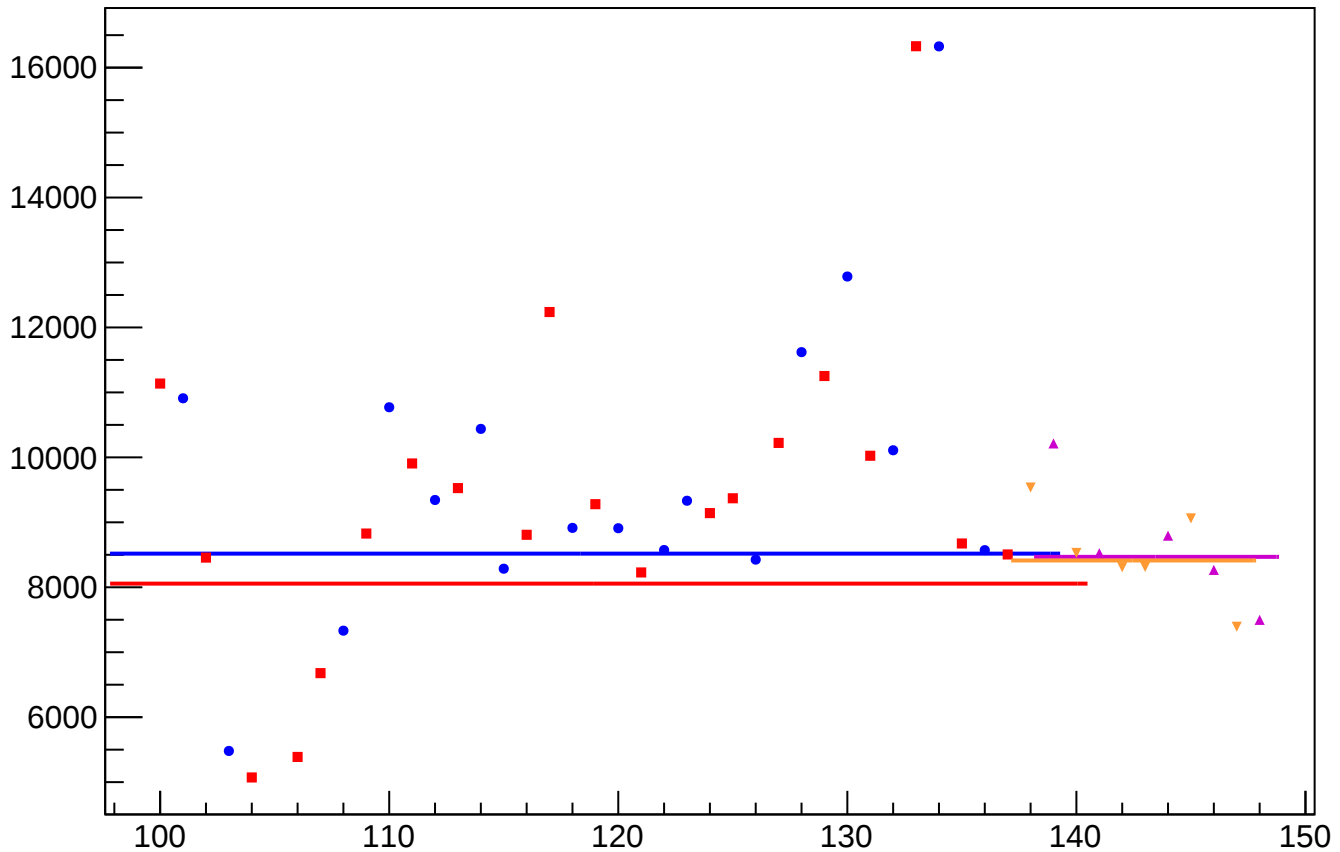
Left In: 337.483 $\pm$ 4234.341 χ^2 /NDF: 3.7/4

965.606 $\pm$ 2633.033 χ^2 /NDF: 27.4/22

2339.996 $\pm$ 1825.953 χ^2 /NDF: 46.9/47

3613.314 $\pm$ 2534.368 χ^2 /NDF: 18.9/24

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 8412.634 $\pm$ 2.931 χ^2 /NDF: 58293.4/5

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

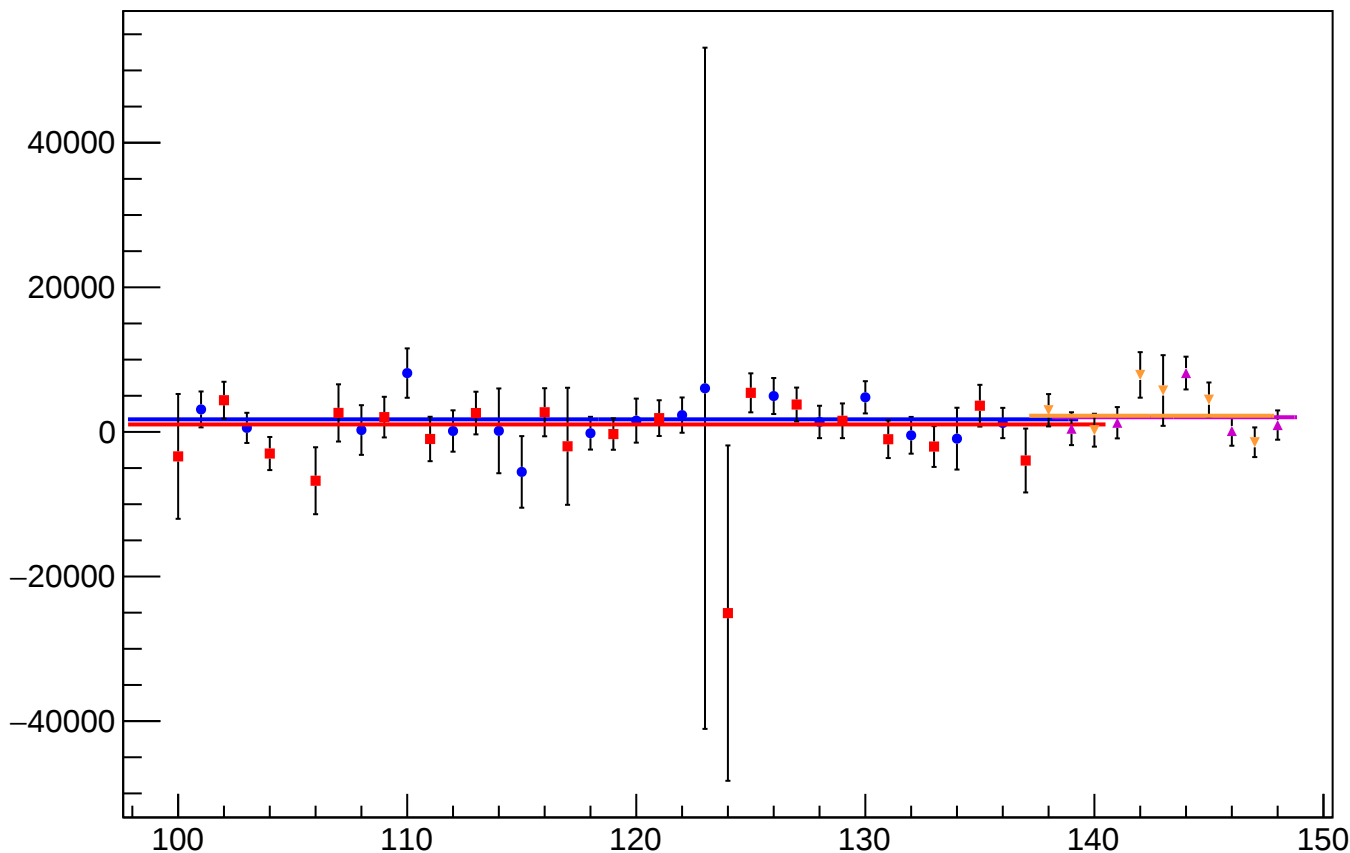
Left In: 8468.363 $\pm$ 2.994 χ^2 /NDF: 72868.3/4

8475.406 $\pm$ 1.862 χ^2 /NDF: 822344.0/22

8334.423 $\pm$ 1.291 χ^2 /NDF: 1880705.0/47

8203.814 $\pm$ 1.792 χ^2 /NDF: 1047315.1/24

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 2239.611+/-1025.920 χ^2/NDF : 8.7/5

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

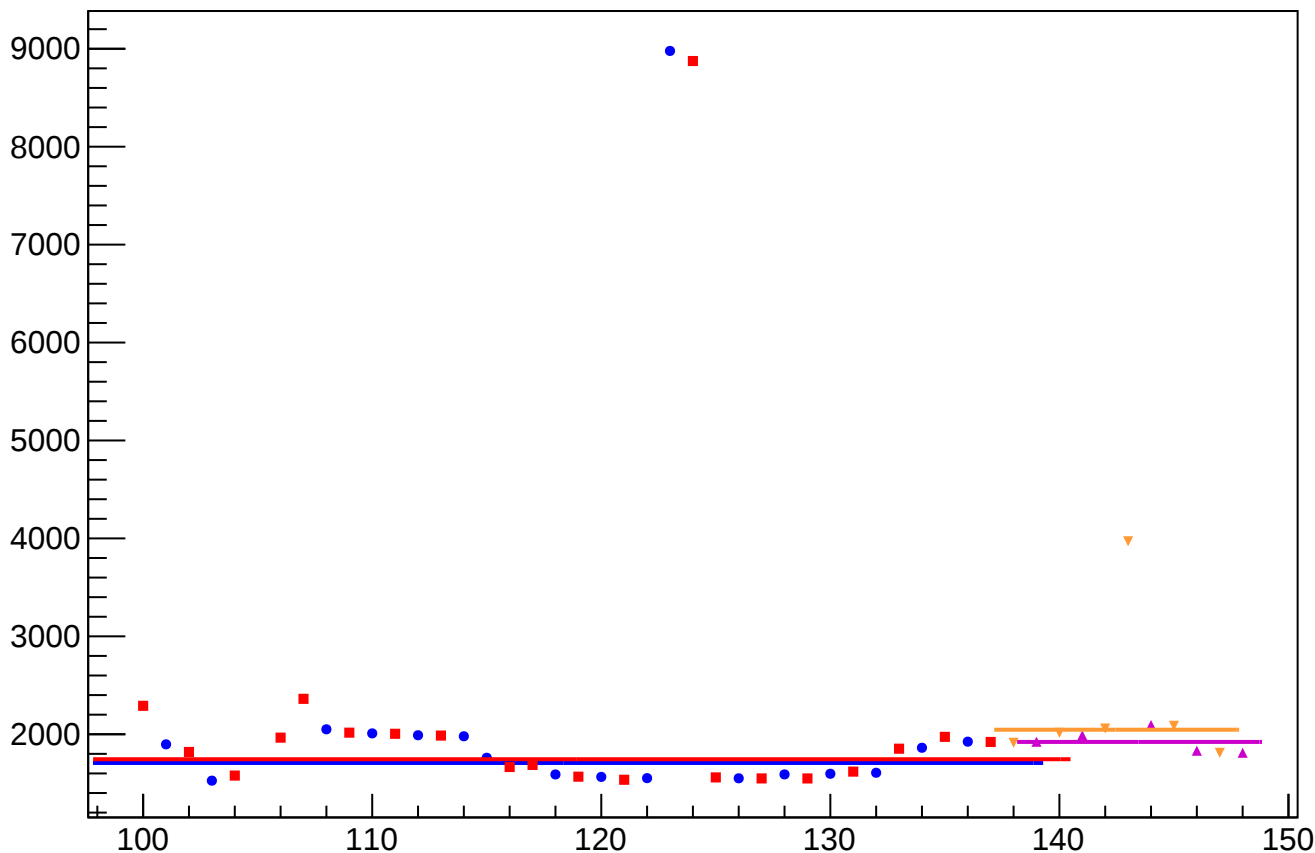
Left In: 2029.280+/-959.281 χ^2/NDF : 9.0/4

1889.247+/-561.200 χ^2/NDF : 21.3/22

1618.613+/-392.285 χ^2/NDF : 50.5/47

1360.028+/-548.566 χ^2/NDF : 28.8/24

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 2046.350 $\pm$ 0.725 χ^2/NDF : 344480.2/5

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

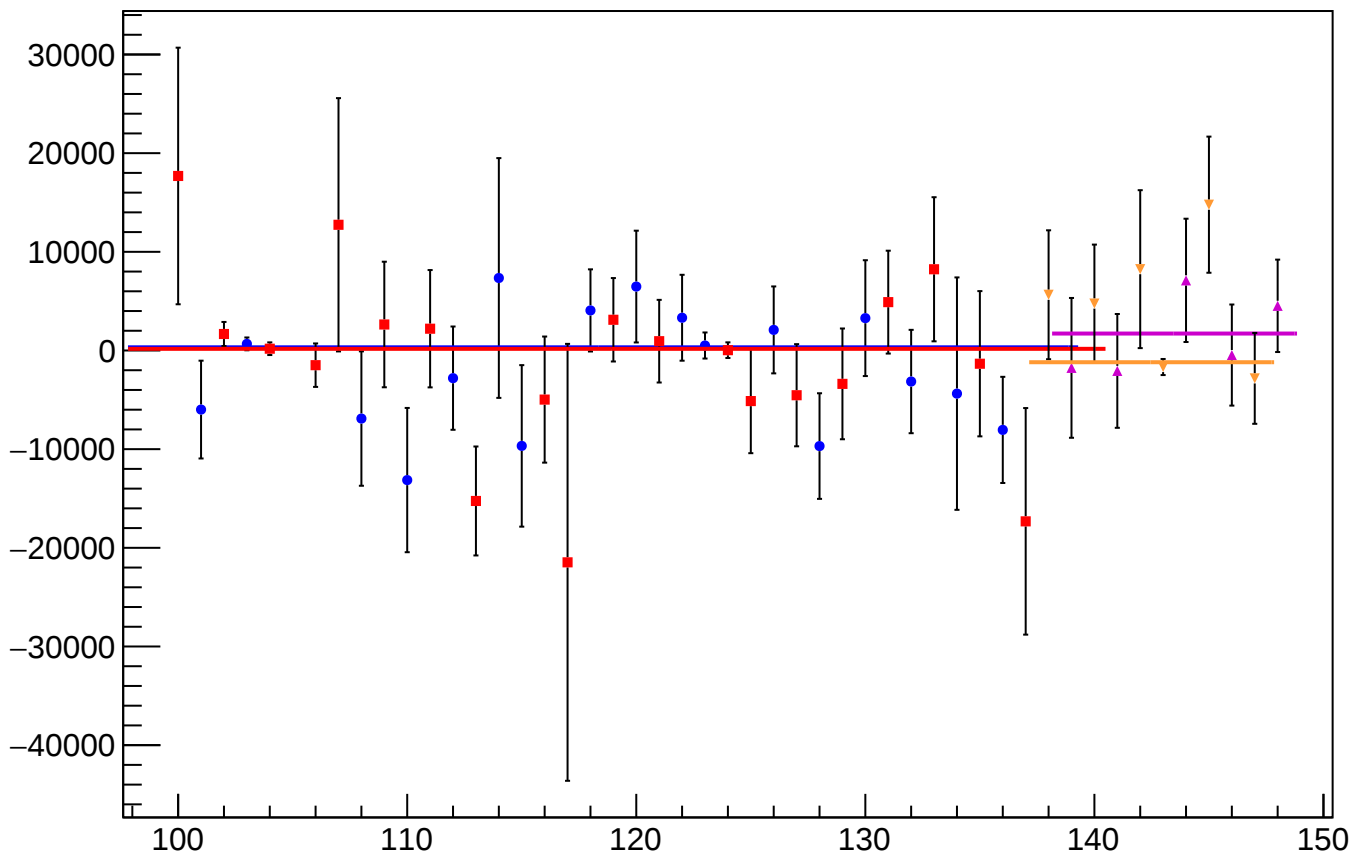
Left In: 1921.671 $\pm$ 0.678 χ^2/NDF : 23413.2/4

1808.451 $\pm$ 0.397 χ^2/NDF : 695502.0/22

1805.376 $\pm$ 0.277 χ^2/NDF : 1164715.0/47

1802.455 $\pm$ 0.387 χ^2/NDF : 469095.9/24

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1189.236+/-780.431 χ^2/NDF : 9.3/5

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

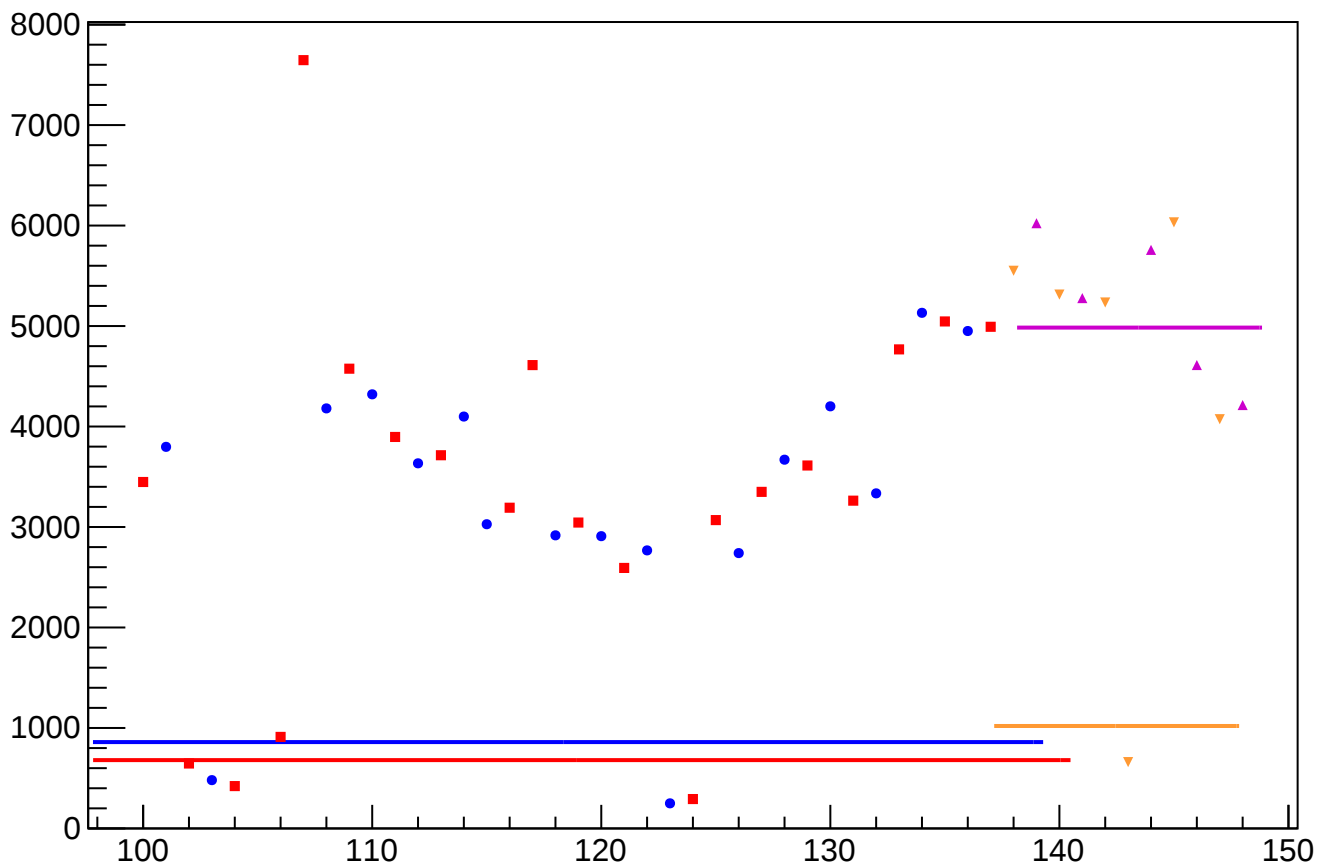
Left In: 1717.682+/-2505.465 χ^2/NDF : 2.0/4

-168.489+/-444.277 χ^2/NDF : 29.9/22

29.955+/-307.907 χ^2/NDF : 54.3/47

213.371+/-427.123 χ^2/NDF : 24.0/24

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1019.749+/-0.552 χ^2/NDF : 4872580.3/5

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

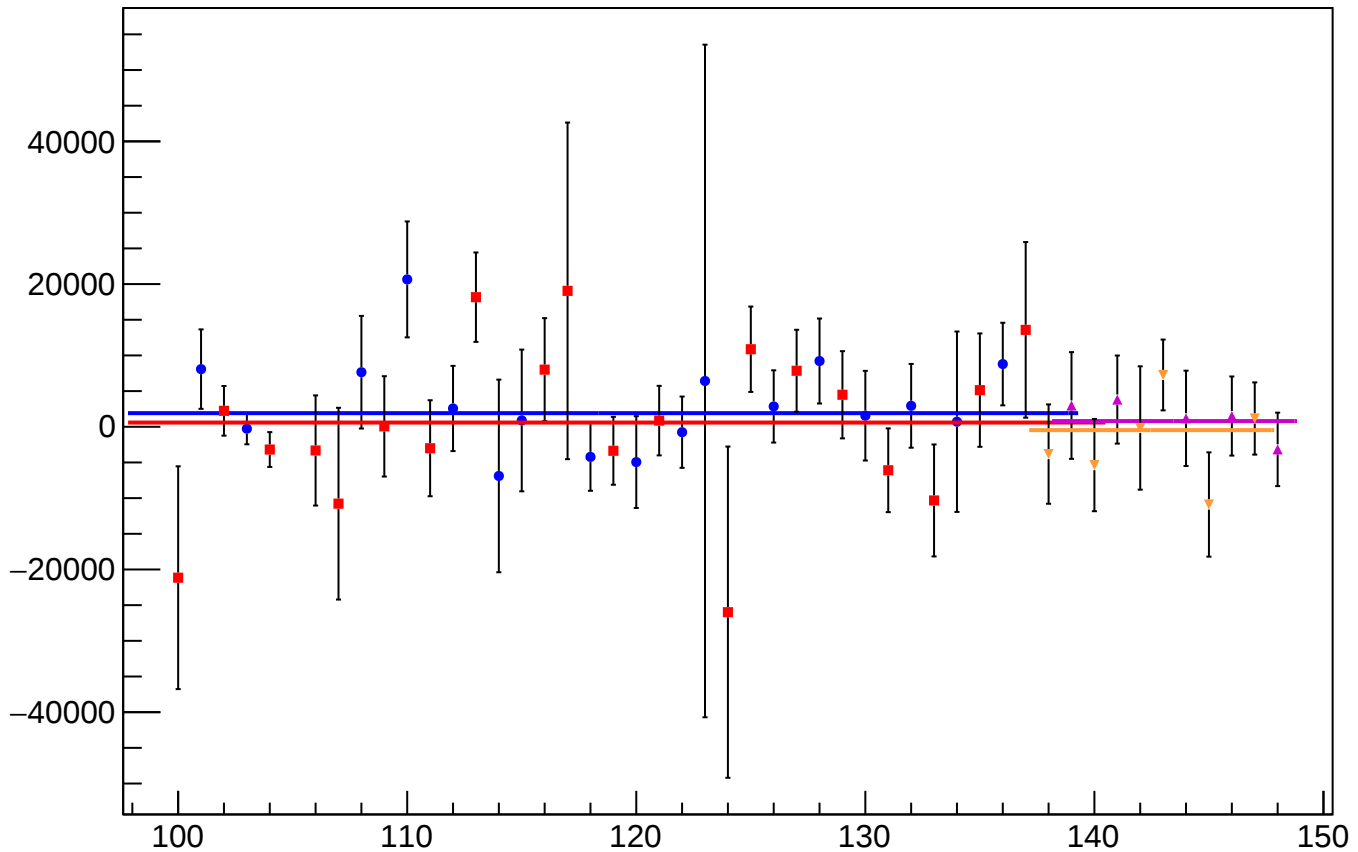
Left In: 4984.440+/-1.772 χ^2/NDF : 143598.6/4

911.470+/-0.314 χ^2/NDF : 13072801.2/22

856.246+/-0.218 χ^2/NDF : 27455080.9/47

805.204+/-0.302 χ^2/NDF : 14322816.5/24

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1909.348 $\pm$ 1310.219 χ^2/NDF : 14.6/16

Left Out: -469.529 $\pm$ 2528.579 χ^2/NDF : 5.4/5

Right Out: 594.380 $\pm$ 1283.911 χ^2/NDF : 27.0/19

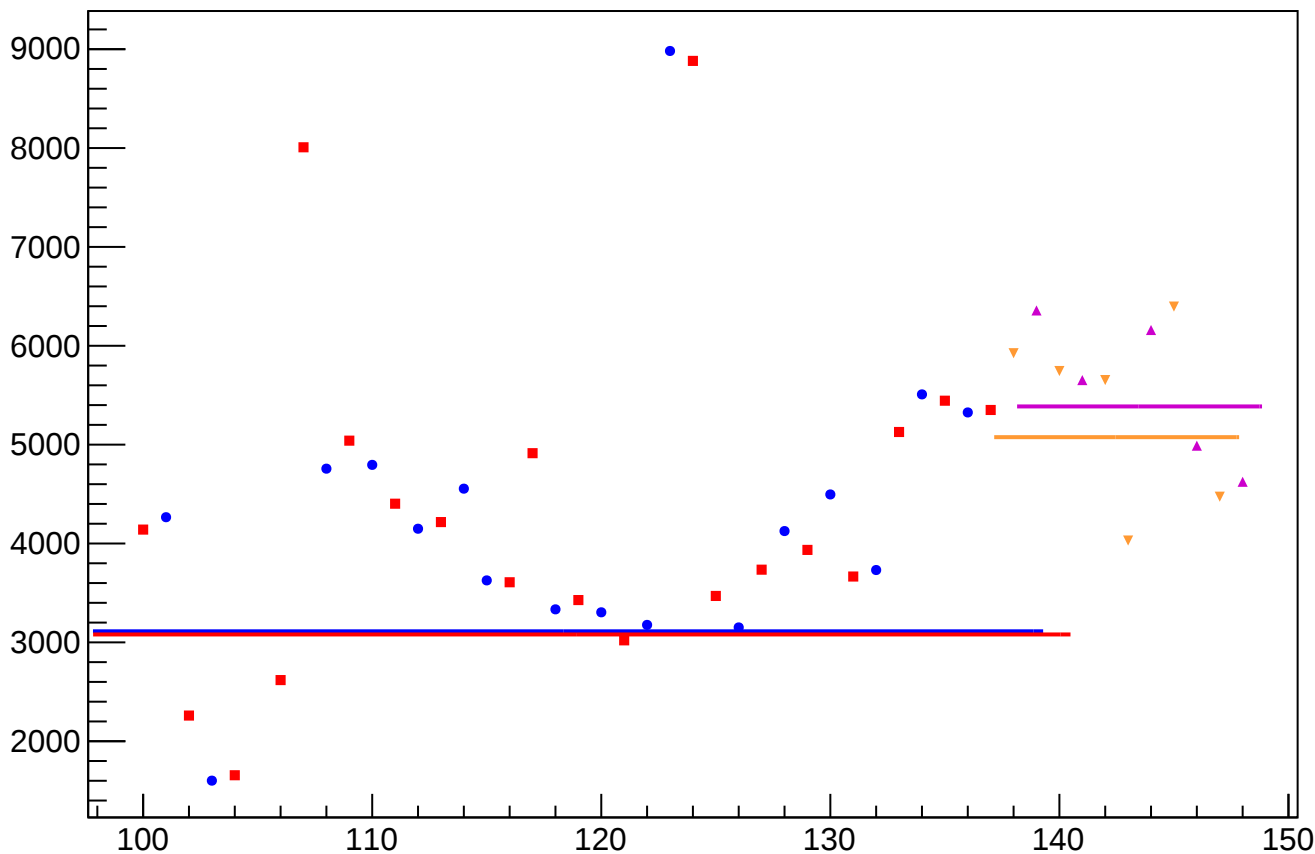
Left In: 799.624 $\pm$ 2703.164 χ^2/NDF : 0.9/4

1405.826 $\pm$ 1163.321 χ^2/NDF : 20.7/22

1017.801 $\pm$ 821.324 χ^2/NDF : 48.8/47

632.159 $\pm$ 1159.744 χ^2/NDF : 27.9/24

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5075.603+/-1.788 χ^2/NDF : 242607.7/5

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

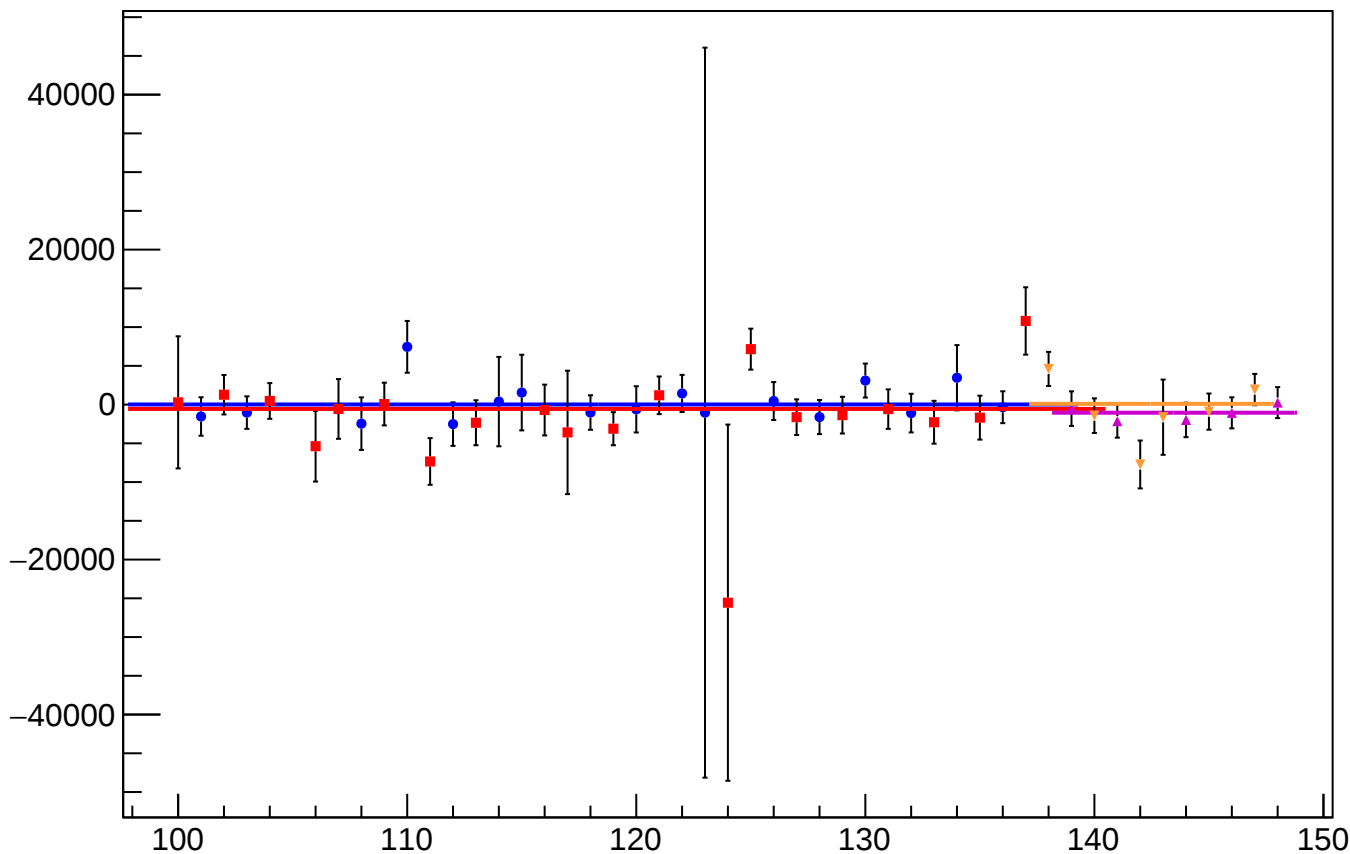
Left In: 5386.471+/-1.911 χ^2/NDF : 118348.1/4

3527.482+/-0.823 χ^2/NDF : 3073152.9/22

3510.807+/-0.577 χ^2/NDF : 6404340.1/47

3494.624+/-0.810 χ^2/NDF : 3330377.5/24

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 95.528 ± 1008.955 $\chi^2/\text{NDF}: 12.2/5$

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

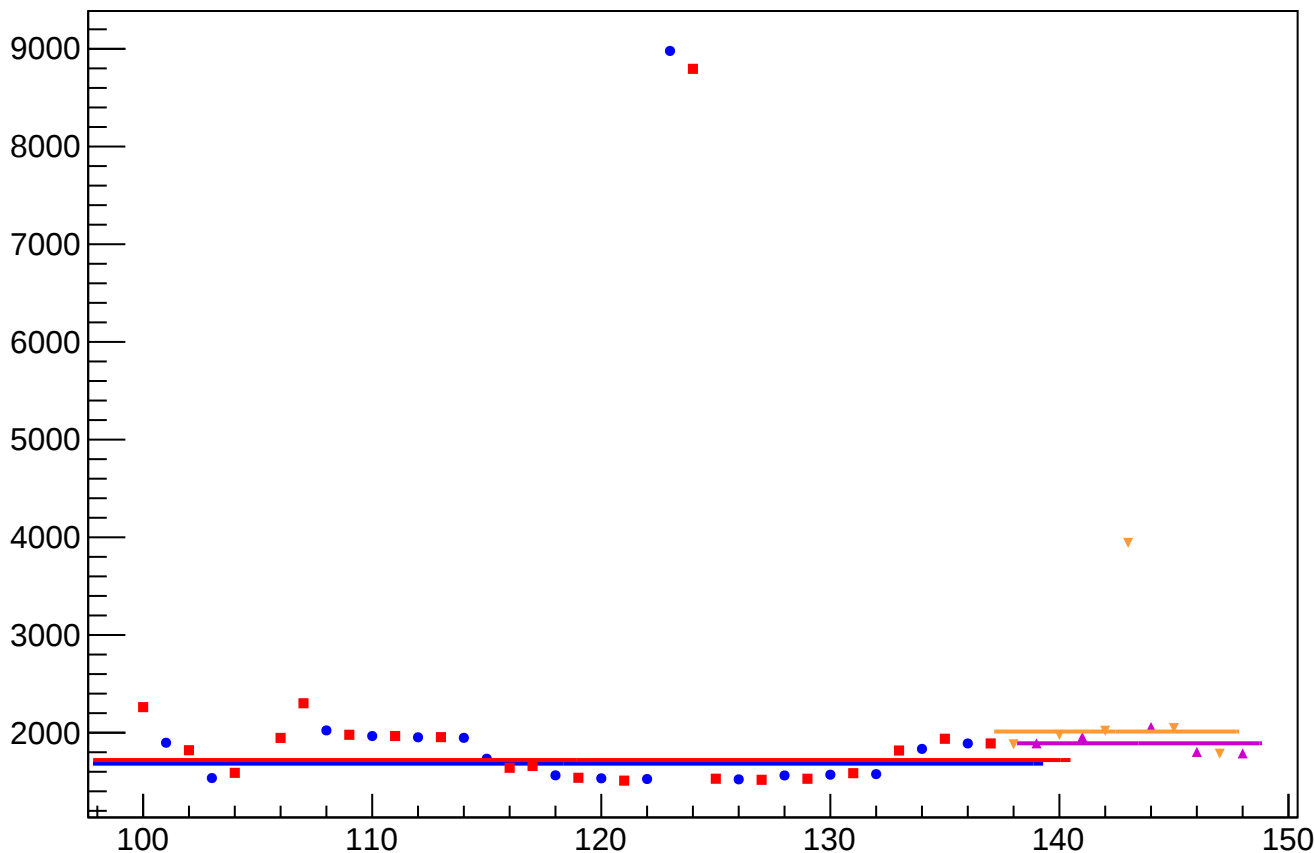
Left In: -1047.943 ± 944.202 $\chi^2/\text{NDF}: 0.9/4$

38.571 ± 552.970 $\chi^2/\text{NDF}: 23.3/22$

-348.820 ± 386.461 $\chi^2/\text{NDF}: 52.2/47$

-718.699 ± 540.326 $\chi^2/\text{NDF}: 27.9/24$

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1683.259 $\pm$ 0.467 χ^2/NDF : 195893.7/16

Left Out: 2011.712 $\pm$ 0.713 χ^2/NDF : 349760.4/5

Right Out: 1719.963 $\pm$ 0.464 χ^2/NDF : 396217.5/19

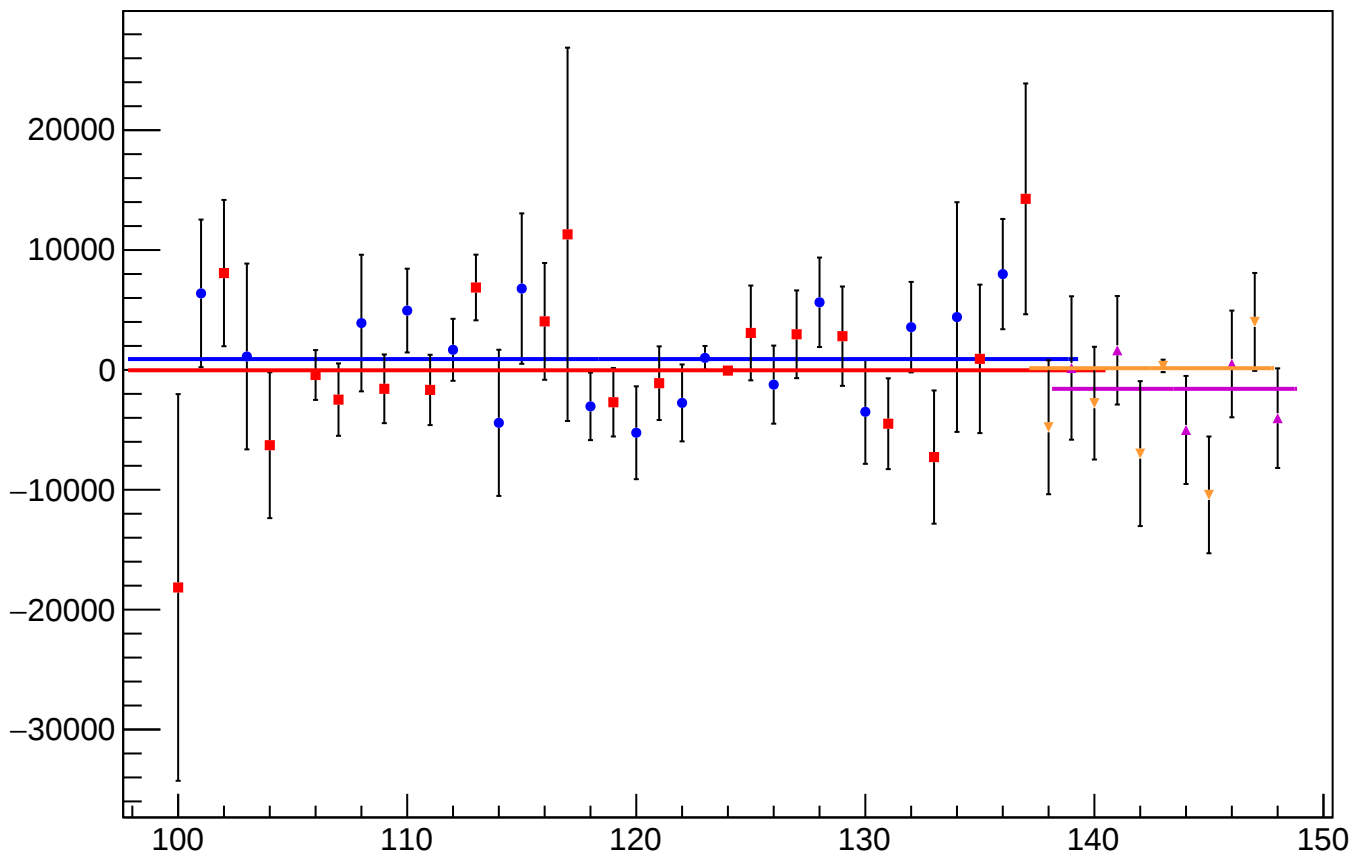
Left In: 1891.630 $\pm$ 0.668 χ^2/NDF : 22193.1/4

1781.917 $\pm$ 0.391 χ^2/NDF : 693940.0/22

1778.807 $\pm$ 0.273 χ^2/NDF : 1157060.3/47

1775.855 $\pm$ 0.381 χ^2/NDF : 462997.0/24

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 142.116+/-508.333 χ^2/NDF : 8.3/5

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

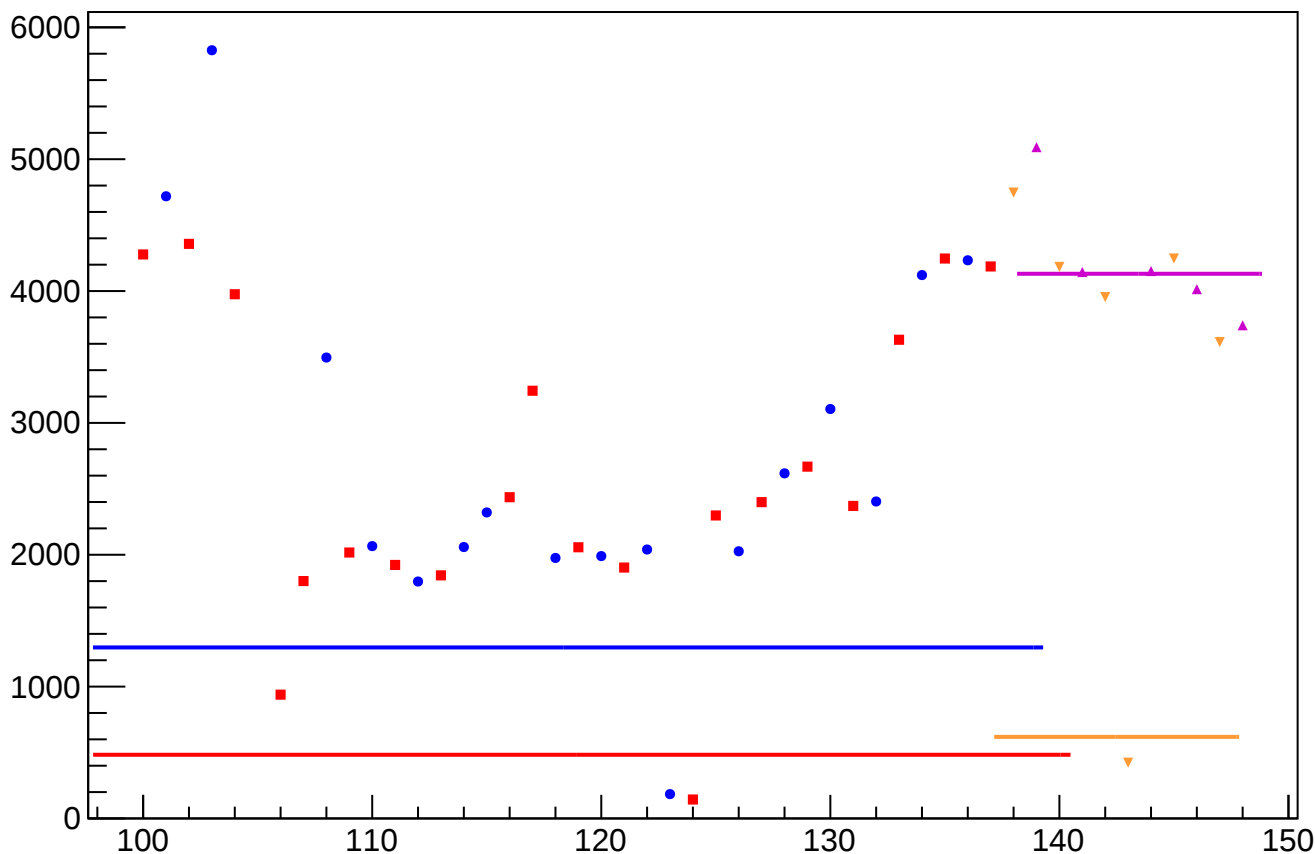
Left In: -1580.118+/-2065.854 χ^2/NDF : 1.7/4

402.228+/-412.439 χ^2/NDF : 25.1/22

124.822+/-267.685 χ^2/NDF : 49.2/47

-77.083+/-351.865 χ^2/NDF : 23.3/24

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 618.782+/-0.359 χ^2/NDF : 5313749.9/5

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

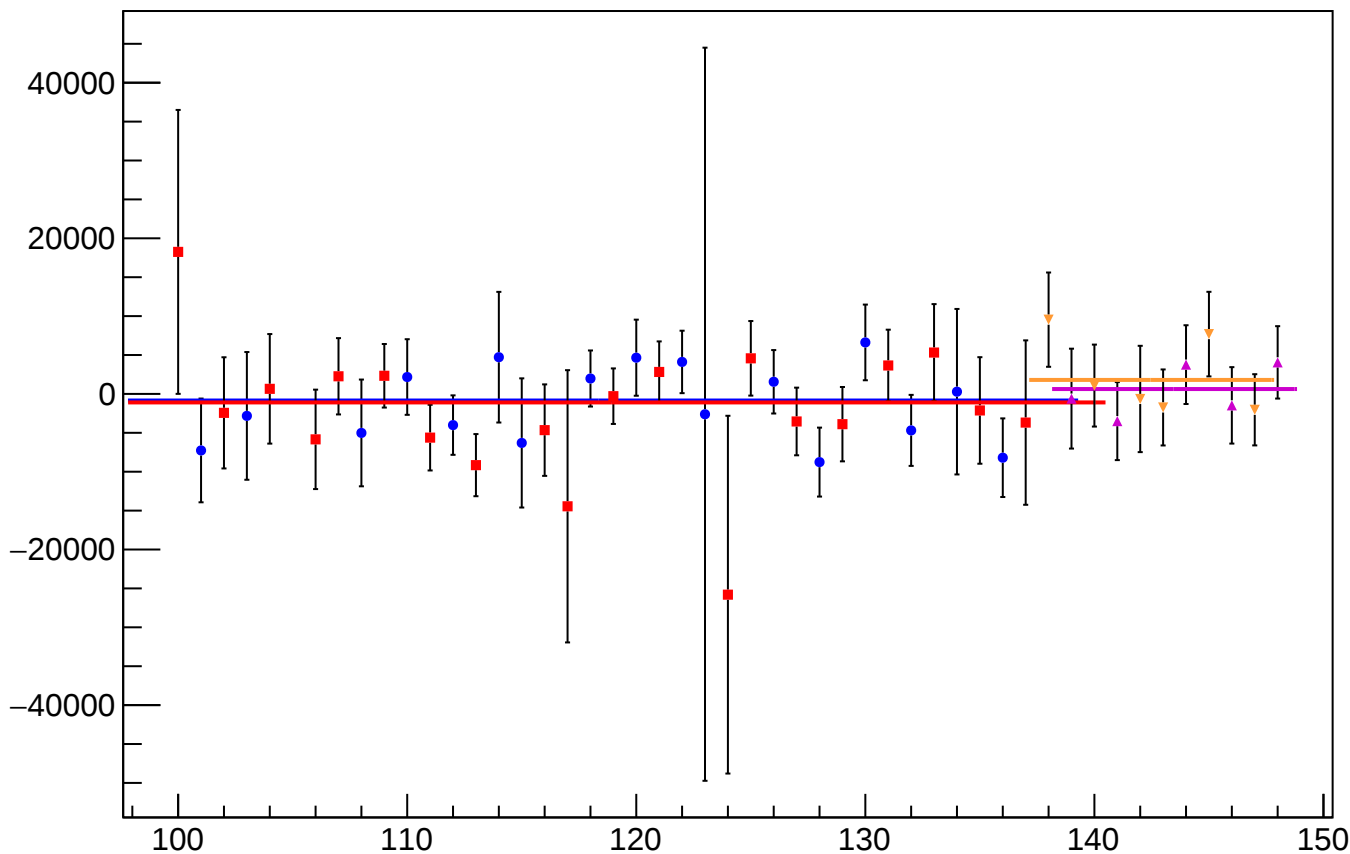
Left In: 4131.085+/-1.461 χ^2/NDF : 70650.0/4

850.531+/-0.292 χ^2/NDF : 13039893.9/22

699.087+/-0.189 χ^2/NDF : 29839289.9/47

588.861+/-0.249 χ^2/NDF : 16333468.9/24

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 1797.429+/-2191.563 χ^2/NDF : 4.2/5

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

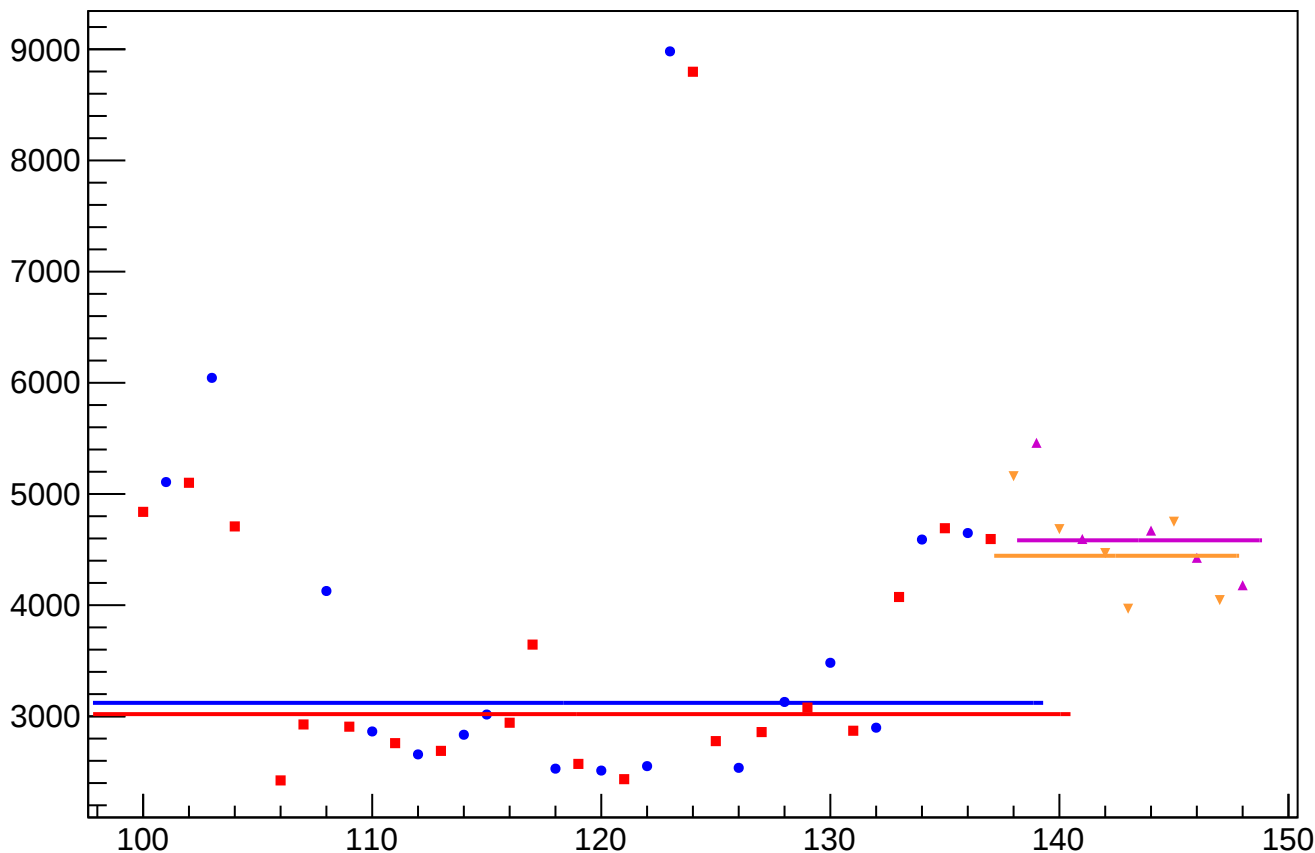
Left In: 625.916+/-2289.884 χ^2/NDF : 1.8/4

-191.024+/-1093.002 χ^2/NDF : 20.7/22

-470.211+/-758.893 χ^2/NDF : 38.7/47

-730.078+/-1054.506 χ^2/NDF : 17.9/24

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4444.324 $\pm$ 1.550 χ^2/NDF : 72593.8/5

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

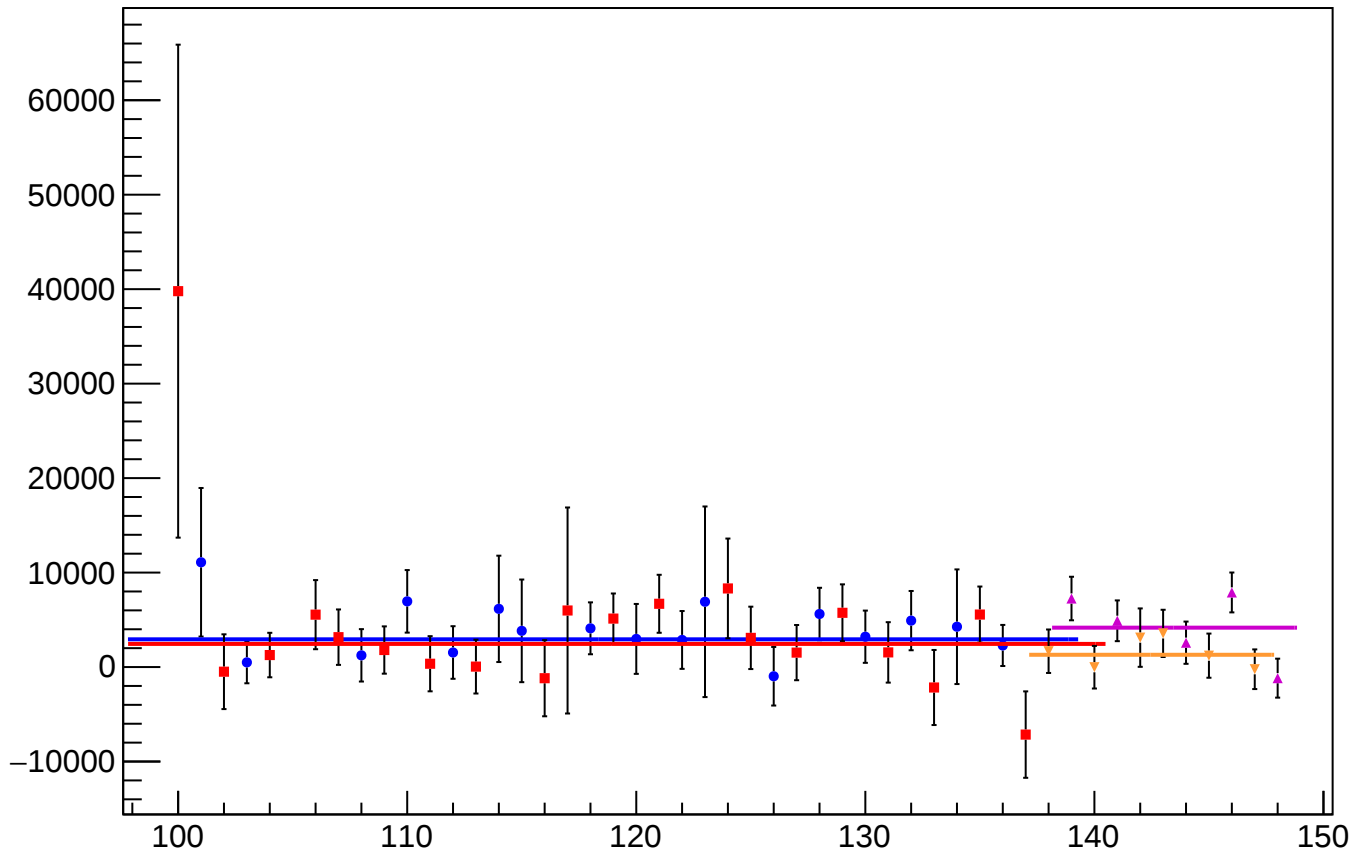
Left In: 4583.346 $\pm$ 1.619 χ^2/NDF : 55053.9/4

3450.466 $\pm$ 0.773 χ^2/NDF : 1565791.2/22

3395.375 $\pm$ 0.534 χ^2/NDF : 3163465.3/47

3345.097 $\pm$ 0.738 χ^2/NDF : 1587956.2/24

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1299.562 $\pm$ 971.086 χ^2/NDF : 2.1/5

Right Out: 2449.072 $\pm$ 738.715 χ^2/NDF : 18.3/19

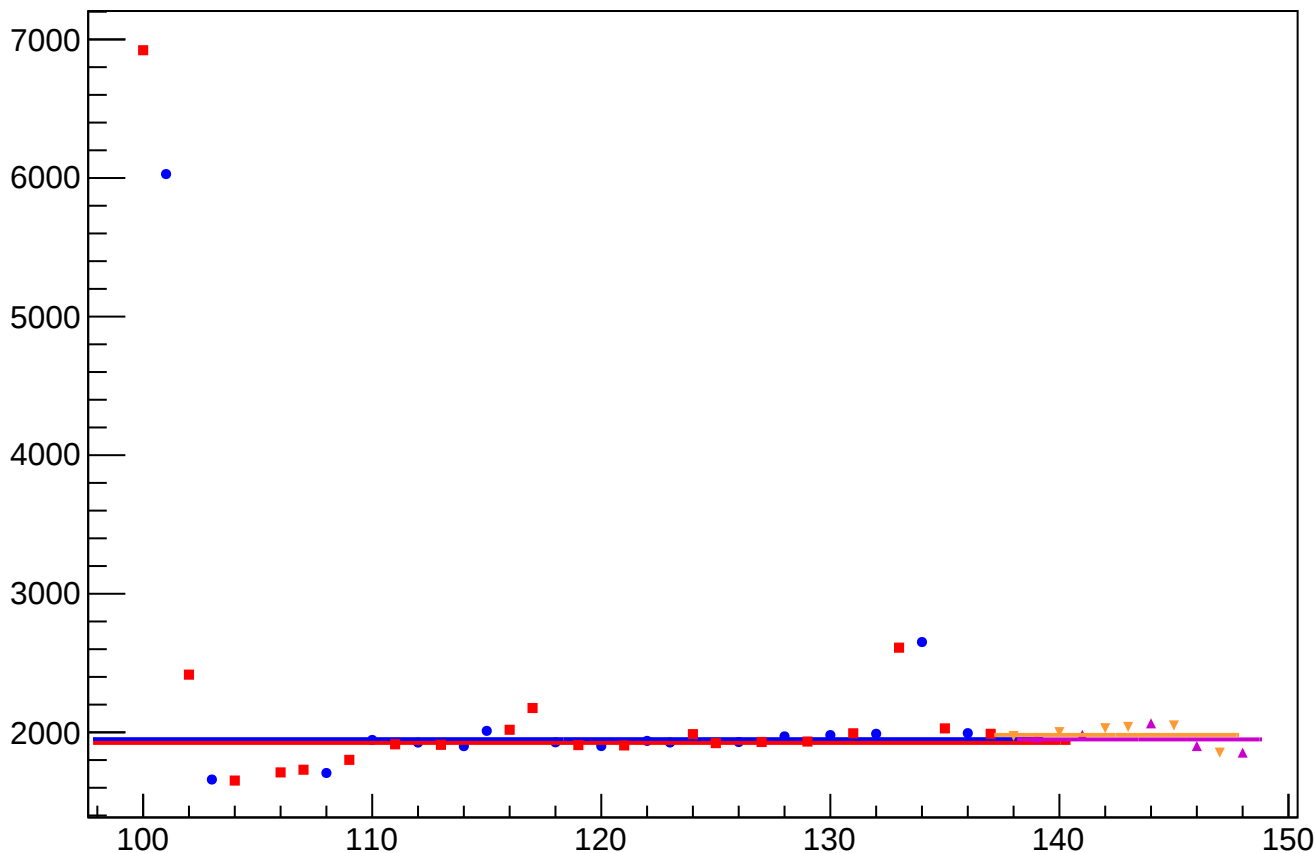
Left In: 4169.331 $\pm$ 969.793 χ^2/NDF : 12.2/4

2298.793 $\pm$ 605.916 χ^2/NDF : 12.0/22

2701.718 $\pm$ 421.840 χ^2/NDF : 45.3/47

3080.714 $\pm$ 587.648 χ^2/NDF : 32.5/24

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1981.489+/-0.687 χ^2/NDF : 10859.4/5

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

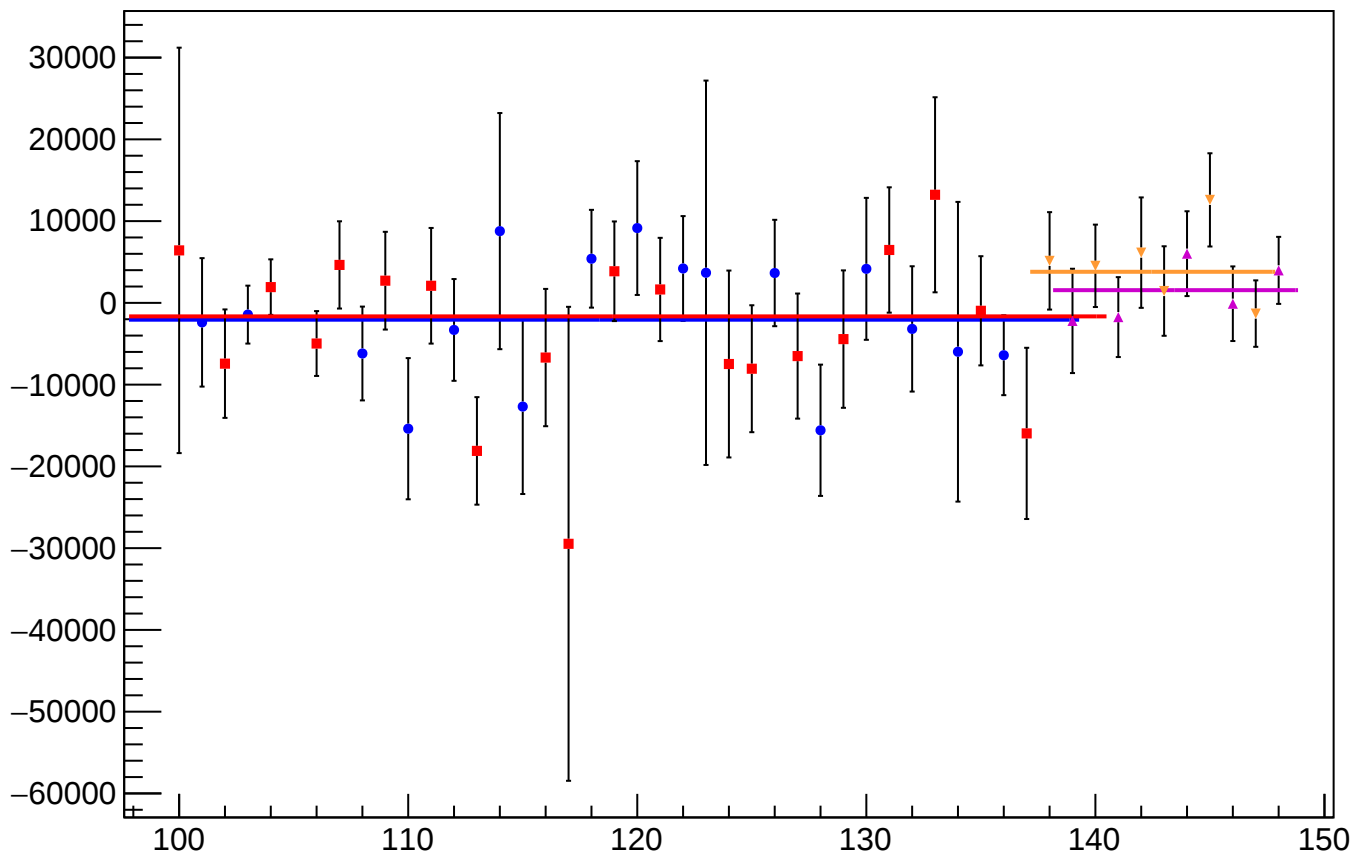
Left In: 1948.905+/-0.686 χ^2/NDF : 11234.0/4

1962.635+/-0.428 χ^2/NDF : 629426.1/22

1947.373+/-0.298 χ^2/NDF : 862432.1/47

1933.059+/-0.415 χ^2/NDF : 230546.9/24

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 3803.052 $\pm$ 2161.018 χ^2 /NDF: 4.3/5

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

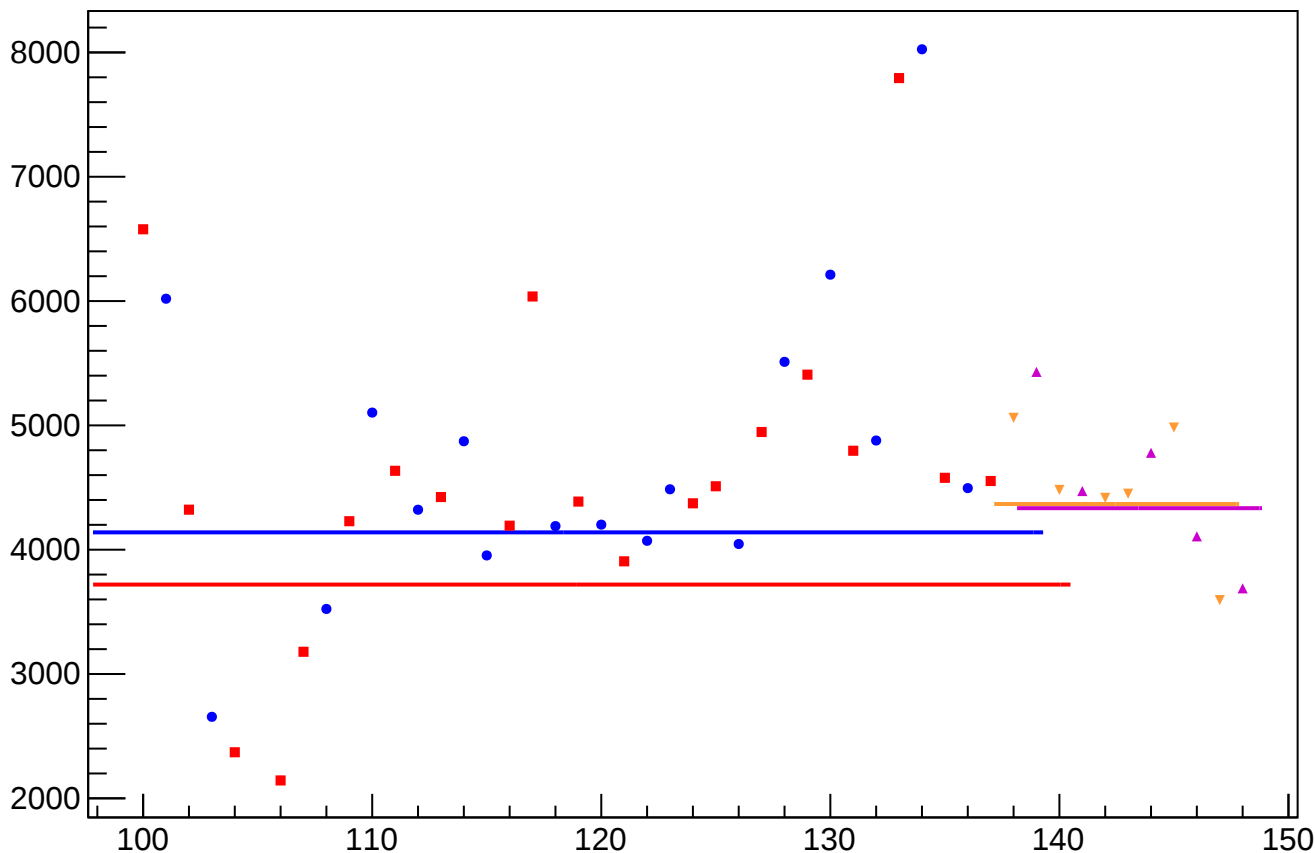
Left In: 1554.654 $\pm$ 2176.408 χ^2 /NDF: 2.0/4

119.489 $\pm$ 1316.977 χ^2 /NDF: 22.9/22

-290.427 $\pm$ 895.500 χ^2 /NDF: 46.1/47

-642.938 $\pm$ 1221.286 χ^2 /NDF: 23.0/24

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4139.394 ± 1.175 $\chi^2/\text{NDF}: 813550.8/16$

Left Out: 4367.414 ± 1.528 $\chi^2/\text{NDF}: 124262.2/5$

Right Out: 3719.546 ± 1.043 $\chi^2/\text{NDF}: 1288644.4/19$

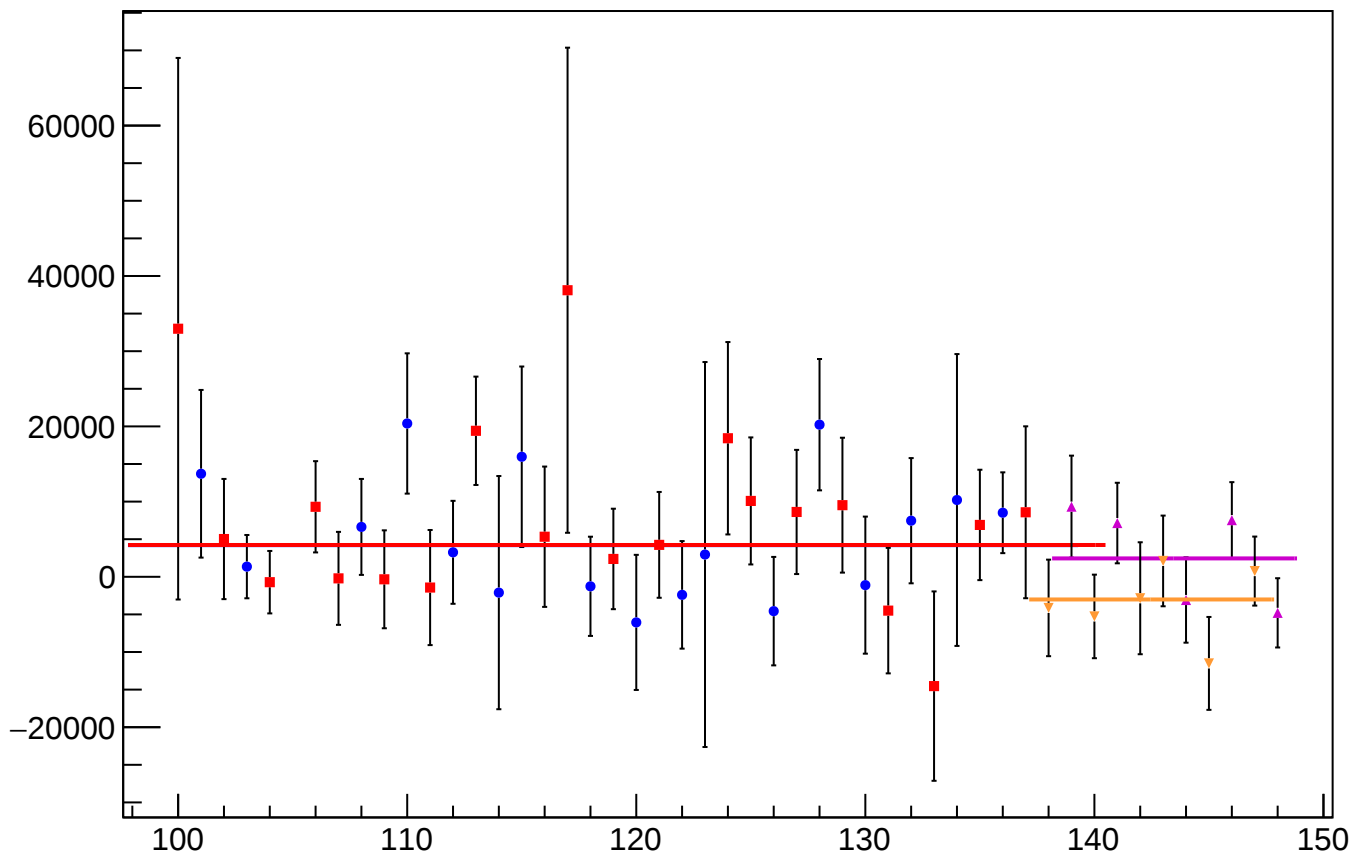
Left In: 4334.012 ± 1.539 $\chi^2/\text{NDF}: 129843.7/4$

4224.080 ± 0.931 $\chi^2/\text{NDF}: 951810.0/22$

4056.847 ± 0.633 $\chi^2/\text{NDF}: 2539501.9/47$

3913.033 ± 0.864 $\chi^2/\text{NDF}: 1527709.7/24$

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4211.844 $\pm$ 1871.304 χ^2 /NDF: 14.4/16

Left Out: -3013.669 $\pm$ 2384.147 χ^2 /NDF: 3.5/5

Right Out: 4230.596 $\pm$ 1722.878 χ^2 /NDF: 15.9/19

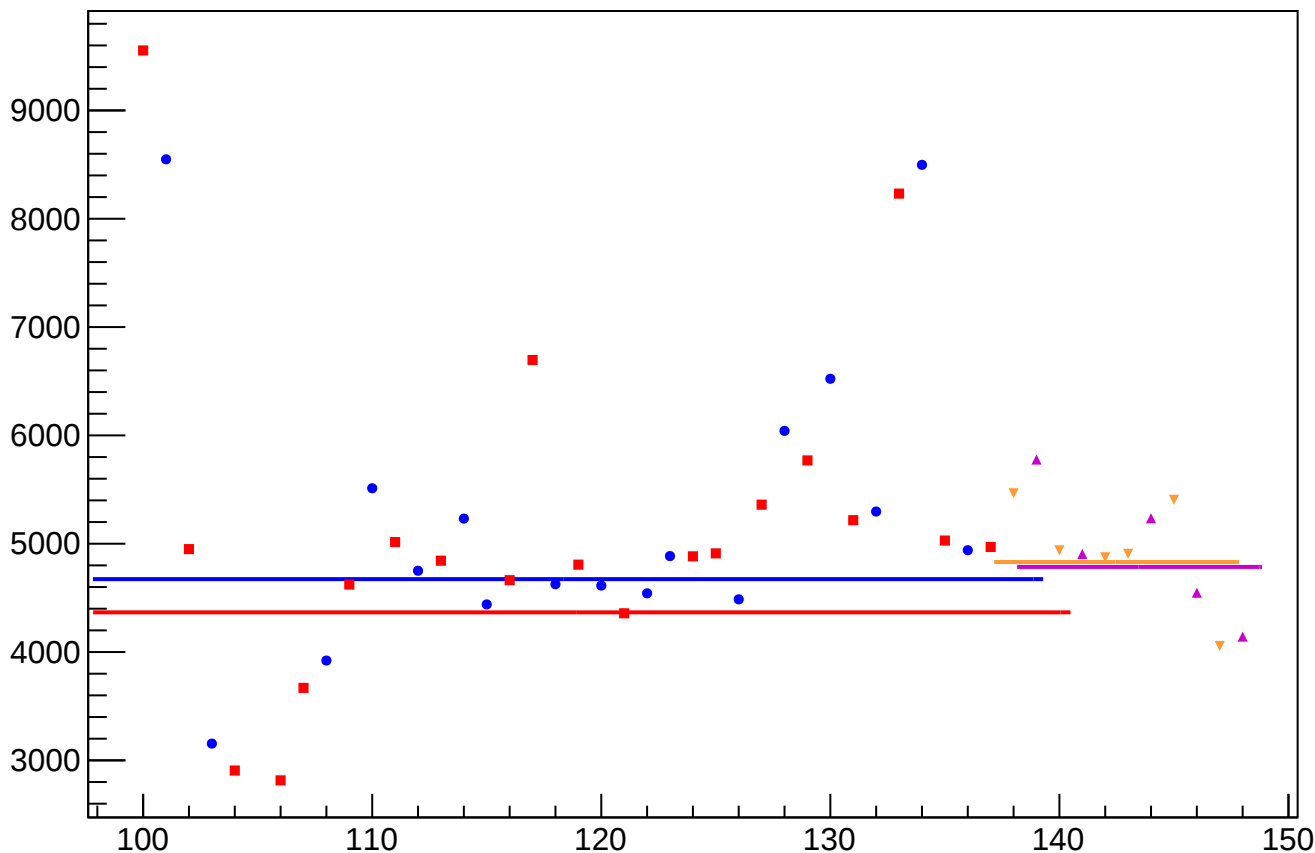
Left In: 2445.820 $\pm$ 2397.313 χ^2 /NDF: 6.2/4

1457.399 $\pm$ 1472.026 χ^2 /NDF: 23.6/22

2595.065 $\pm$ 1014.098 χ^2 /NDF: 47.2/47

3622.734 $\pm$ 1399.056 χ^2 /NDF: 22.5/24

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 4831.113 $\pm$ 1.686 χ^2/NDF : 94972.3/5

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

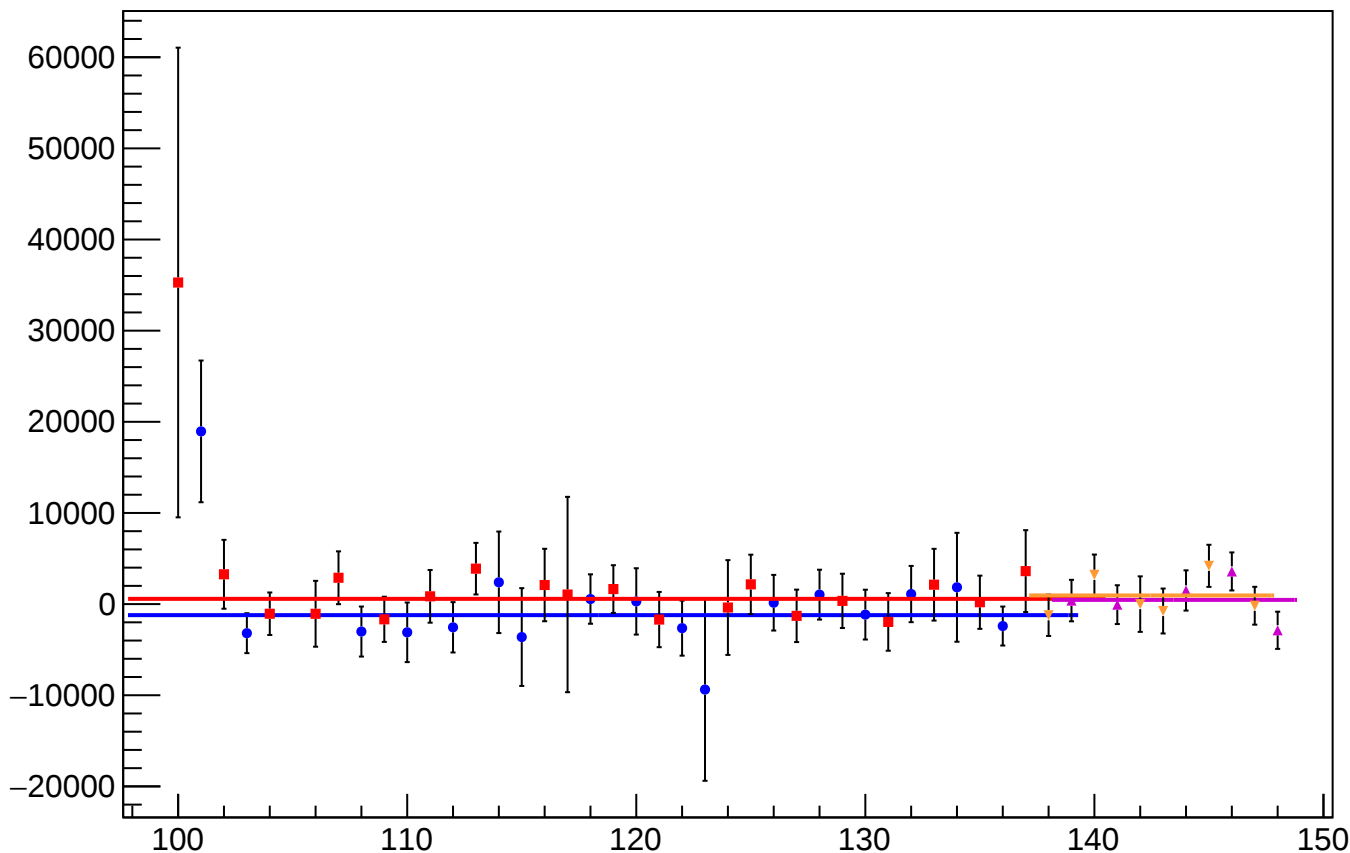
Left In: 4785.889 $\pm$ 1.695 χ^2/NDF : 99677.5/4

4733.303 $\pm$ 1.041 χ^2/NDF : 877733.4/22

4614.605 $\pm$ 0.716 χ^2/NDF : 1885262.5/47

4508.199 $\pm$ 0.986 χ^2/NDF : 982867.4/24

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 948.393+/-958.762 χ^2/NDF : 4.8/5

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

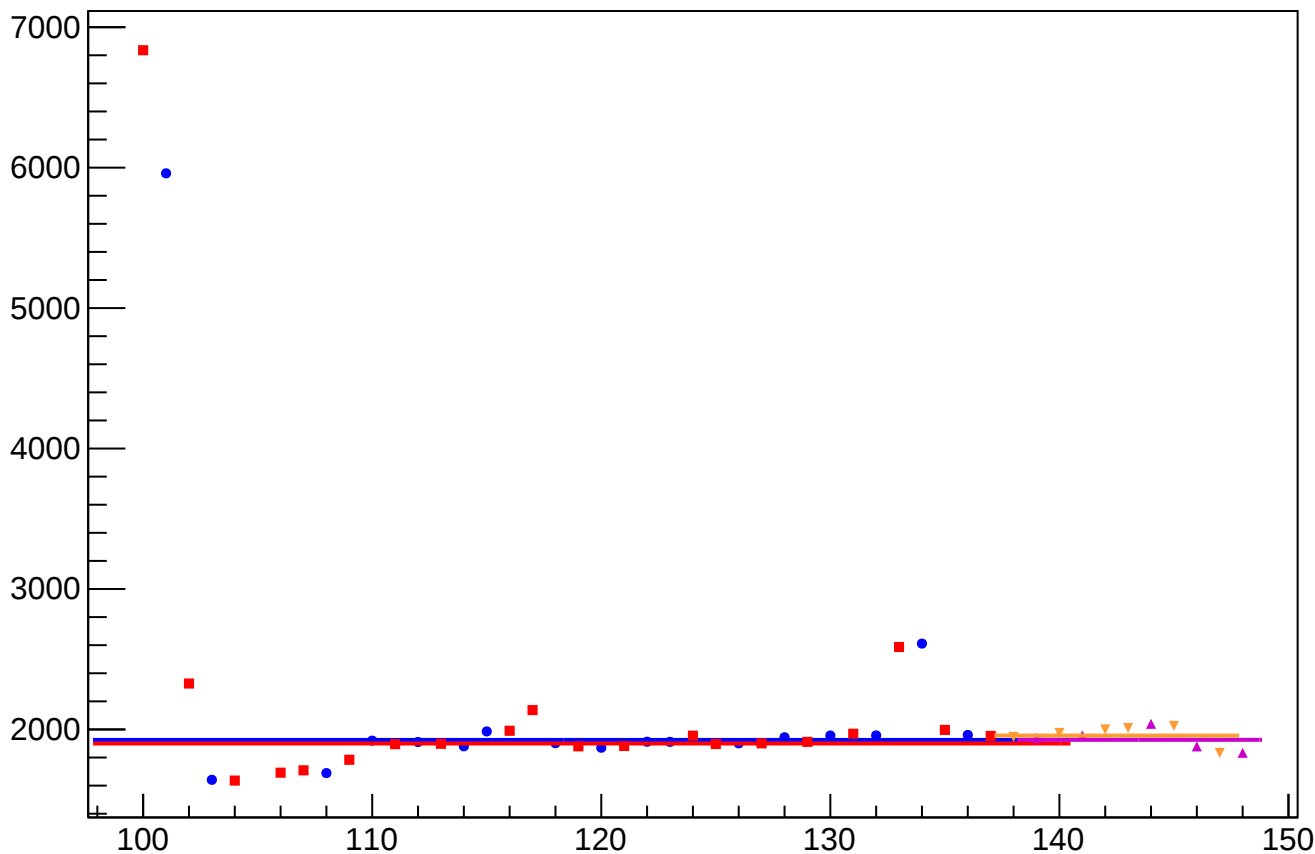
Left In: 461.212+/-958.434 χ^2/NDF : 5.2/4

-370.717+/-598.116 χ^2/NDF : 20.6/22

95.235+/-416.460 χ^2/NDF : 35.6/47

533.718+/-580.218 χ^2/NDF : 13.9/24

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1925.320 ± 0.541 $\chi^2/\text{NDF}: 615863.6/16$

Left Out: 1956.356 ± 0.678 $\chi^2/\text{NDF}: 10370.3/5$

Right Out: 1899.955 ± 0.514 $\chi^2/\text{NDF}: 211865.1/19$

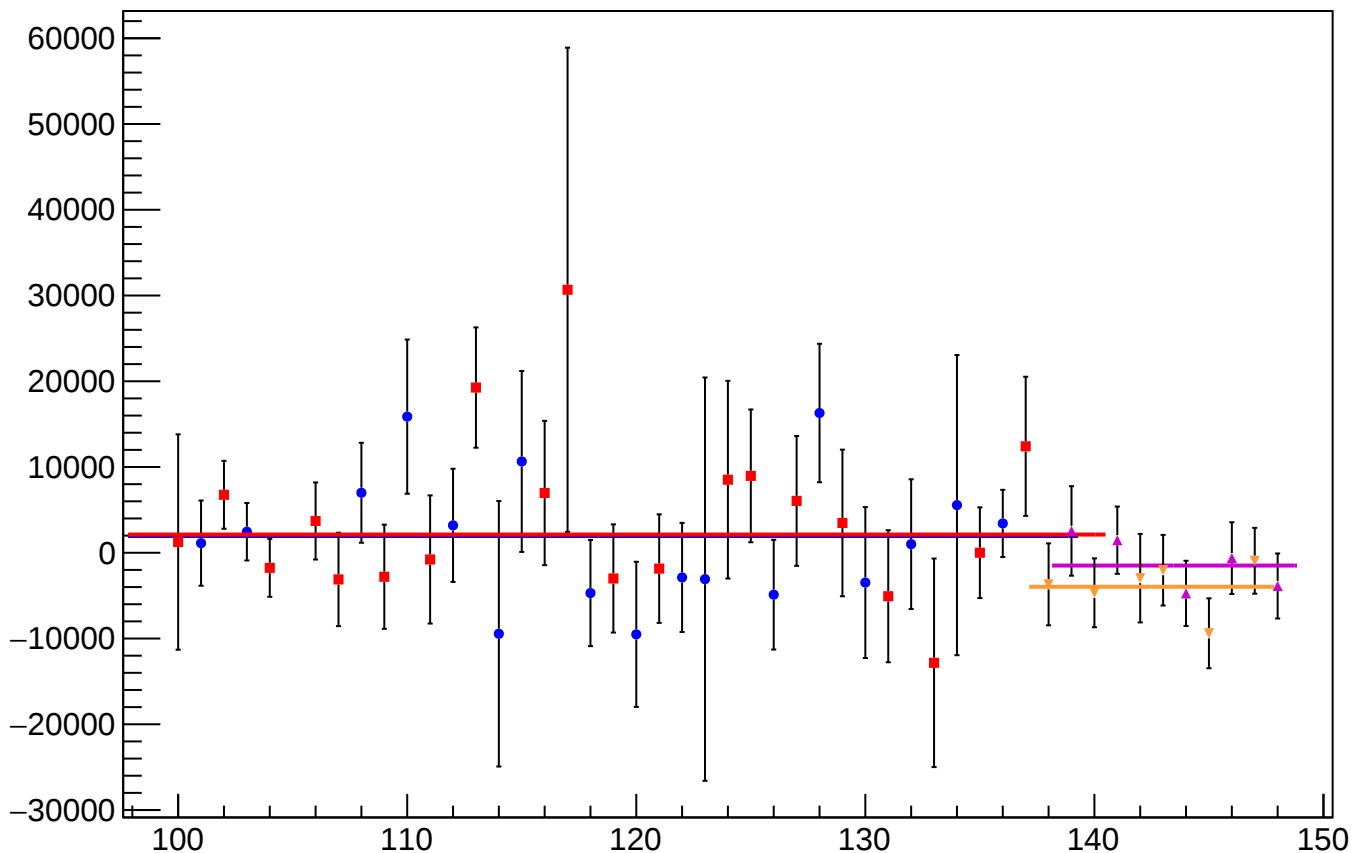
Left In: 1926.145 ± 0.678 $\chi^2/\text{NDF}: 10930.8/4$

1937.399 ± 0.423 $\chi^2/\text{NDF}: 627514.1/22$

1923.019 ± 0.294 $\chi^2/\text{NDF}: 853498.5/47$

1909.526 ± 0.410 $\chi^2/\text{NDF}: 223743.6/24$

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -3965.308 $\pm$ 1739.729 χ^2/NDF : 2.7/5

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

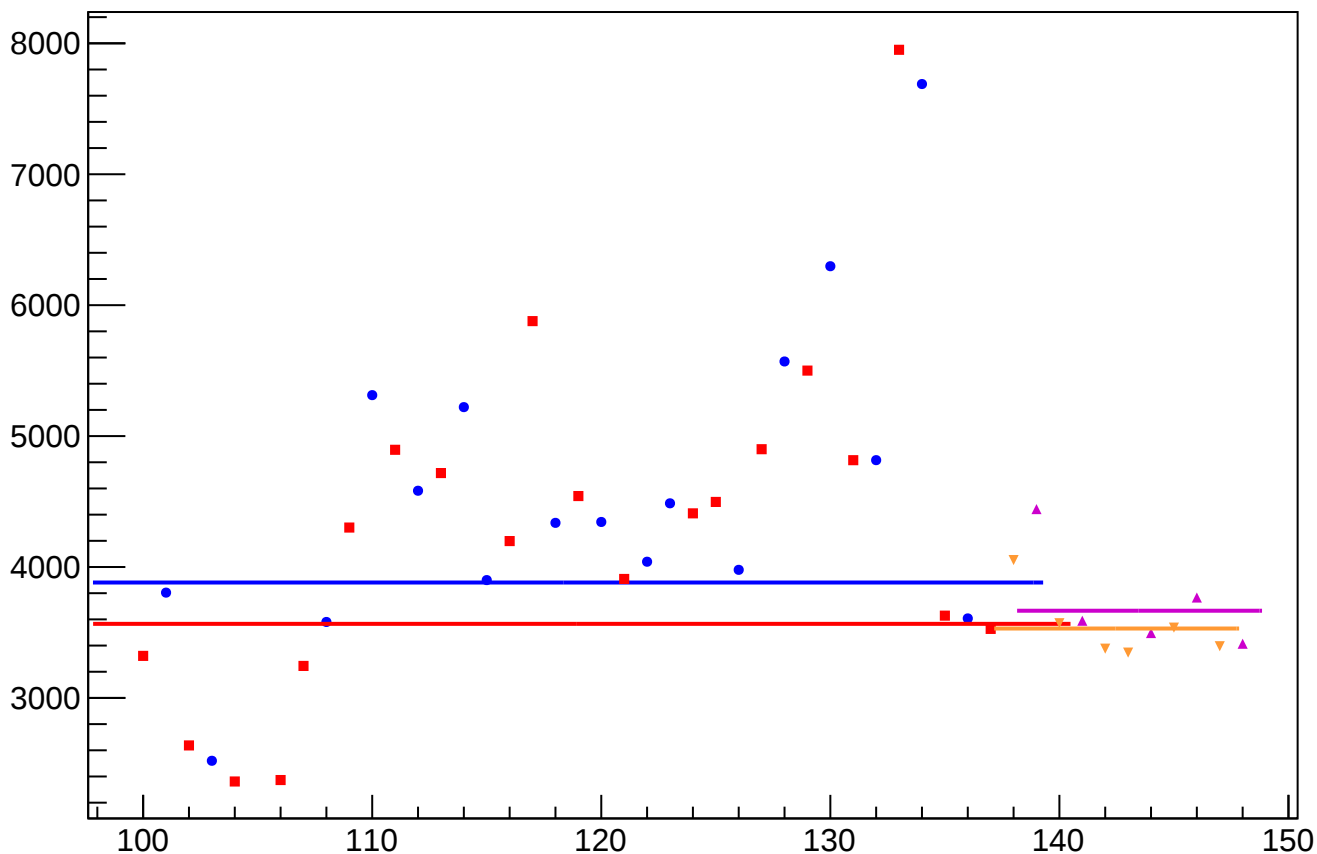
Left In: -1490.358 $\pm$ 1832.905 χ^2/NDF : 2.3/4

-675.458 $\pm$ 1160.142 χ^2/NDF : 22.1/22

77.975 $\pm$ 805.222 χ^2/NDF : 46.1/47

778.304 $\pm$ 1118.510 χ^2/NDF : 23.2/24

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3530.176 +/- 1.230 χ^2/NDF : 32405.2/5

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

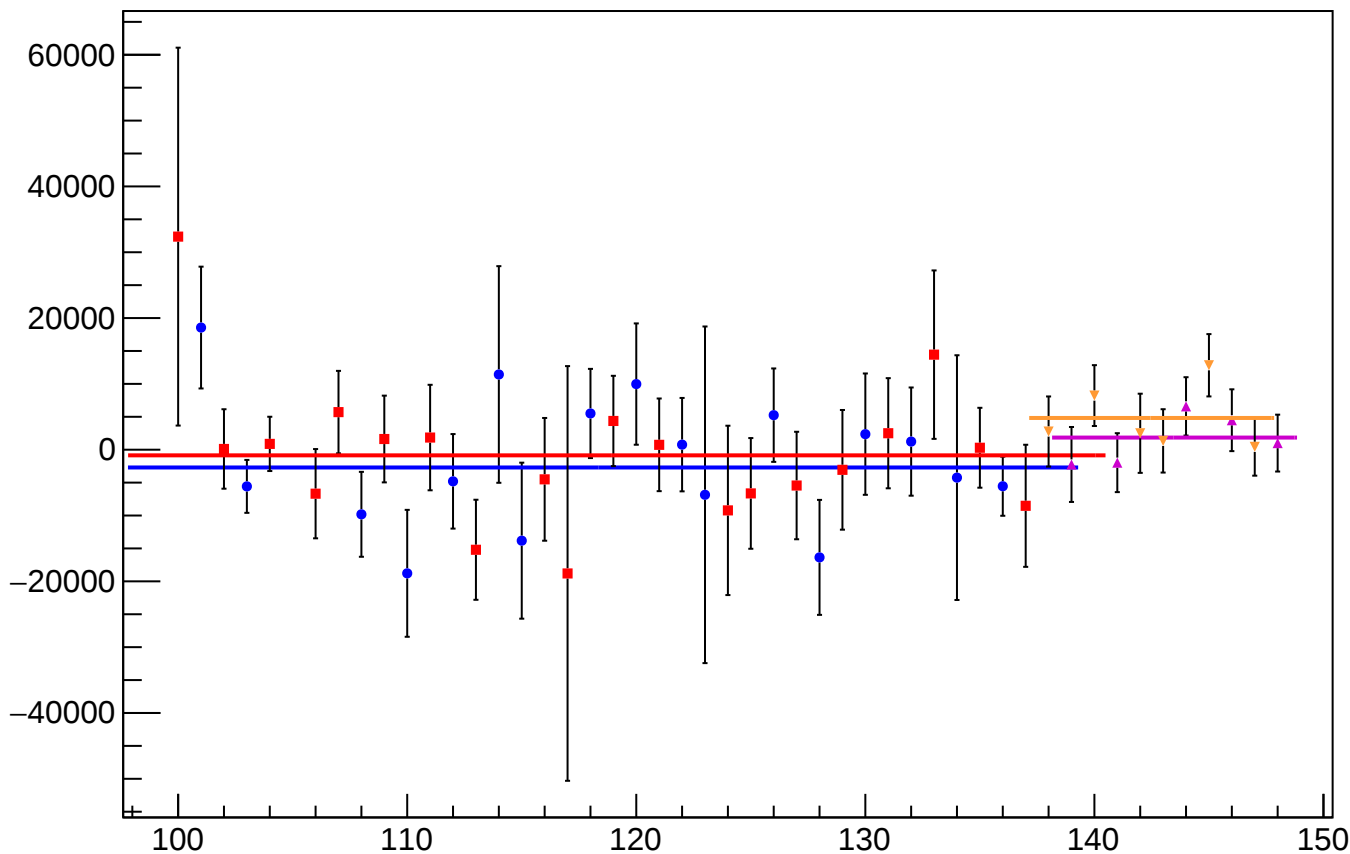
Left In: 3666.076 +/- 1.296 χ^2/NDF : 59068.2/4

3725.312 +/- 0.820 χ^2/NDF : 895183.4/22

3662.012 +/- 0.569 χ^2/NDF : 2224466.8/47

3603.174 +/- 0.791 χ^2/NDF : 1317795.0/24

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2700.702 $\pm$ 1809.055 χ^2 /NDF: 19.8/16

Left Out: 4821.809 $\pm$ 2001.498 χ^2 /NDF: 5.2/5

Right Out: -857.617 $\pm$ 1687.925 χ^2 /NDF: 11.9/19

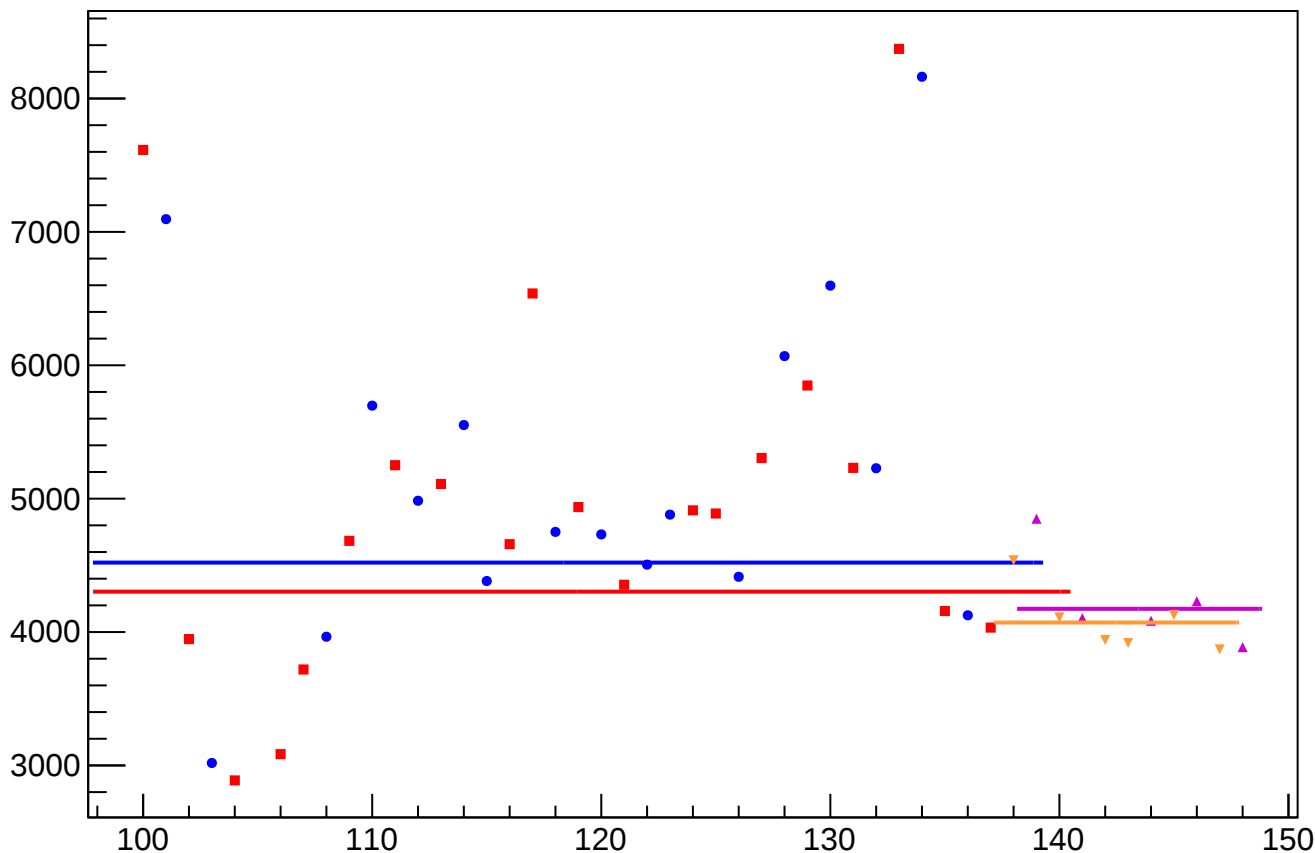
Left In: 1842.436 $\pm$ 2082.333 χ^2 /NDF: 2.7/4

681.614 $\pm$ 1342.087 χ^2 /NDF: 32.8/22

441.868 $\pm$ 937.905 χ^2 /NDF: 48.5/47

213.013 $\pm$ 1311.245 χ^2 /NDF: 15.6/24

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4071.318 $\pm$ 1.415 χ^2/NDF : 22973.7/5

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

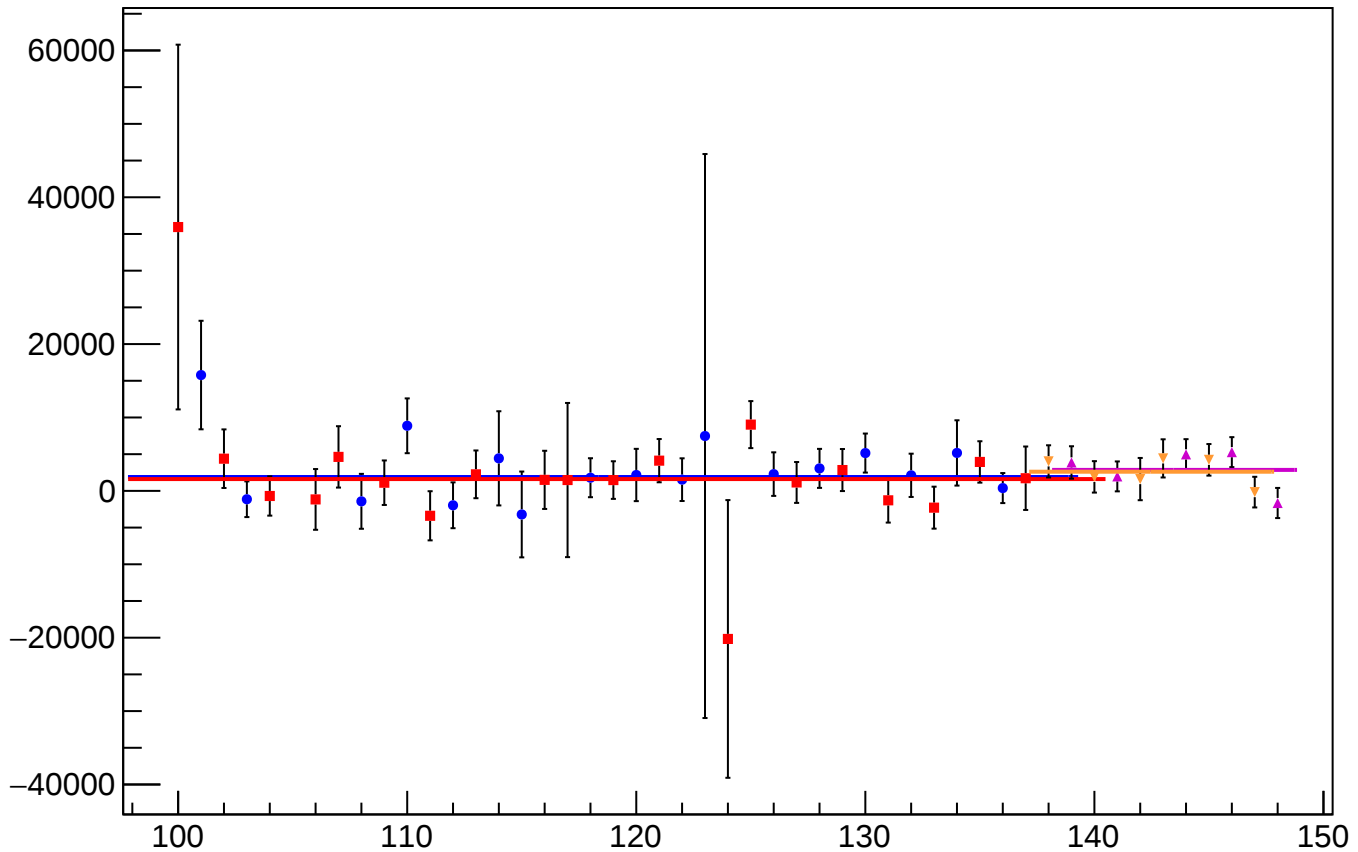
Left In: 4174.034 $\pm$ 1.472 χ^2/NDF : 38603.4/4

4318.638 $\pm$ 0.949 χ^2/NDF : 849346.5/22

4284.504 $\pm$ 0.662 χ^2/NDF : 1676998.5/47

4252.139 $\pm$ 0.924 χ^2/NDF : 825131.6/24

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2611.784+/-936.226 χ^2/NDF : 3.5/5

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

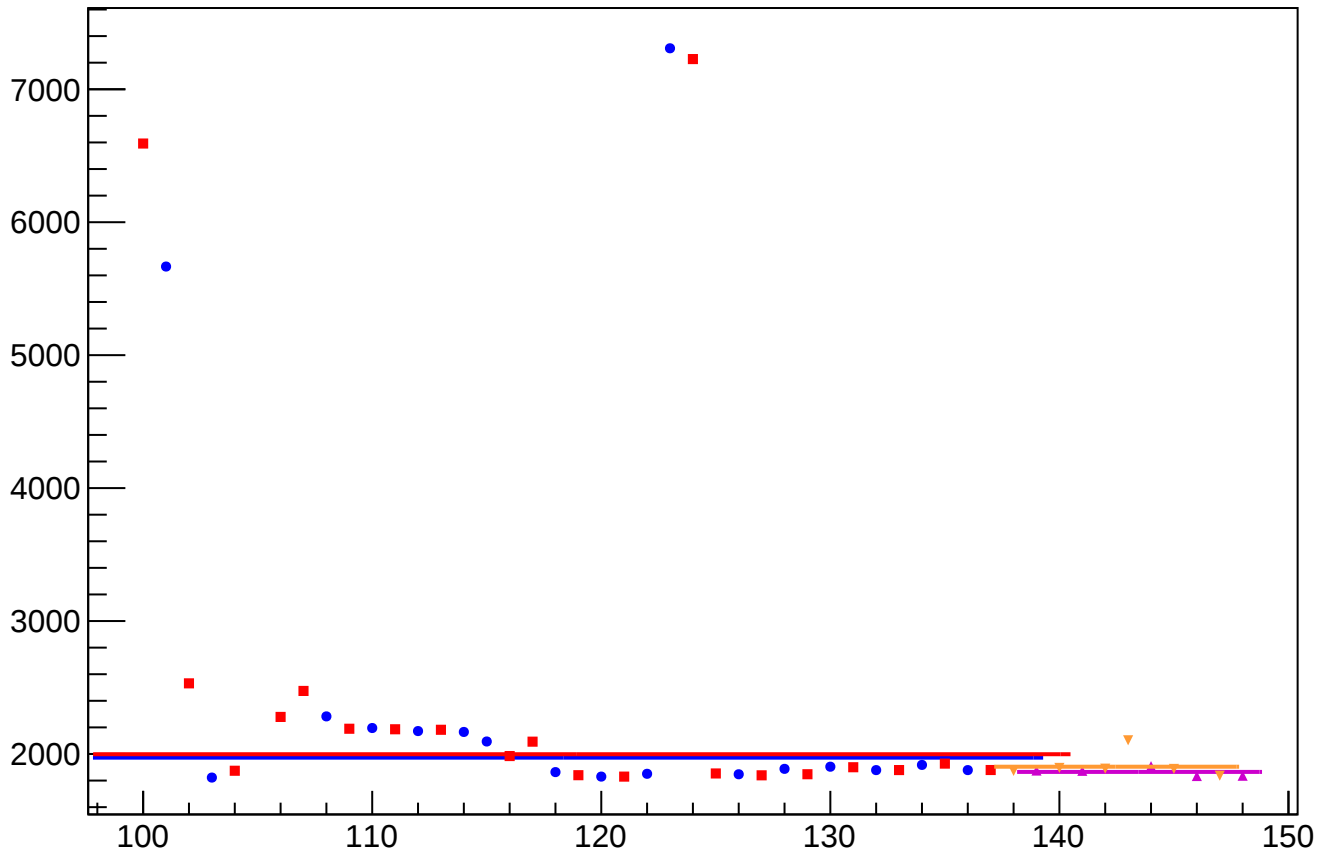
Left In: 2857.969+/-930.051 χ^2/NDF : 7.7/4

2186.213+/-601.002 χ^2/NDF : 18.5/22

2148.662+/-421.126 χ^2/NDF : 44.7/47

2112.440+/-590.268 χ^2/NDF : 26.2/24

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1904.220+/-0.662 χ^2/NDF : 14384.9/5

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

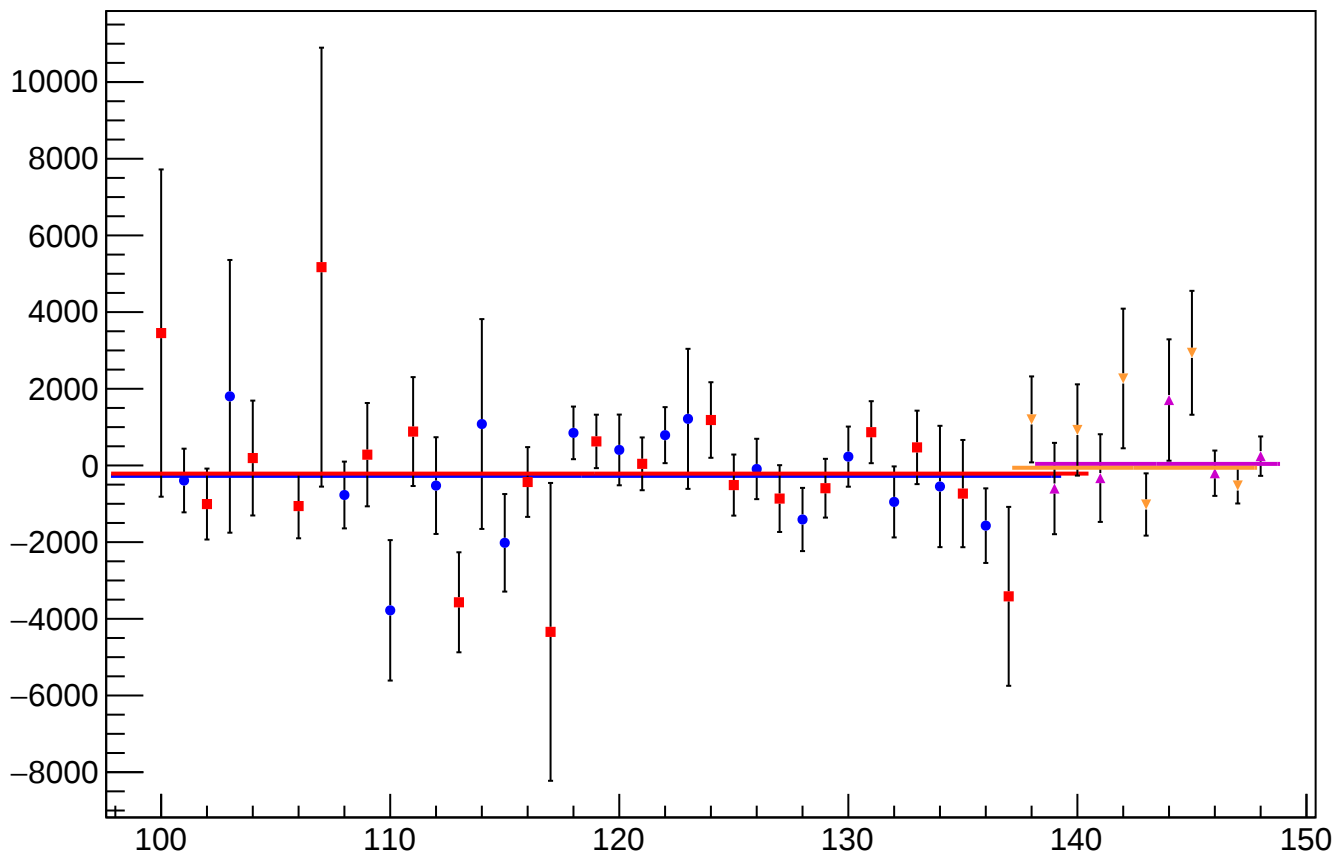
Left In: 1865.109+/-0.658 χ^2/NDF : 1803.1/4

1944.353+/-0.425 χ^2/NDF : 621505.7/22

1944.459+/-0.298 χ^2/NDF : 1003484.4/47

1944.562+/-0.417 χ^2/NDF : 381978.6/24

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -60.147+/-348.355 χ^2/NDF : 9.4/5

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

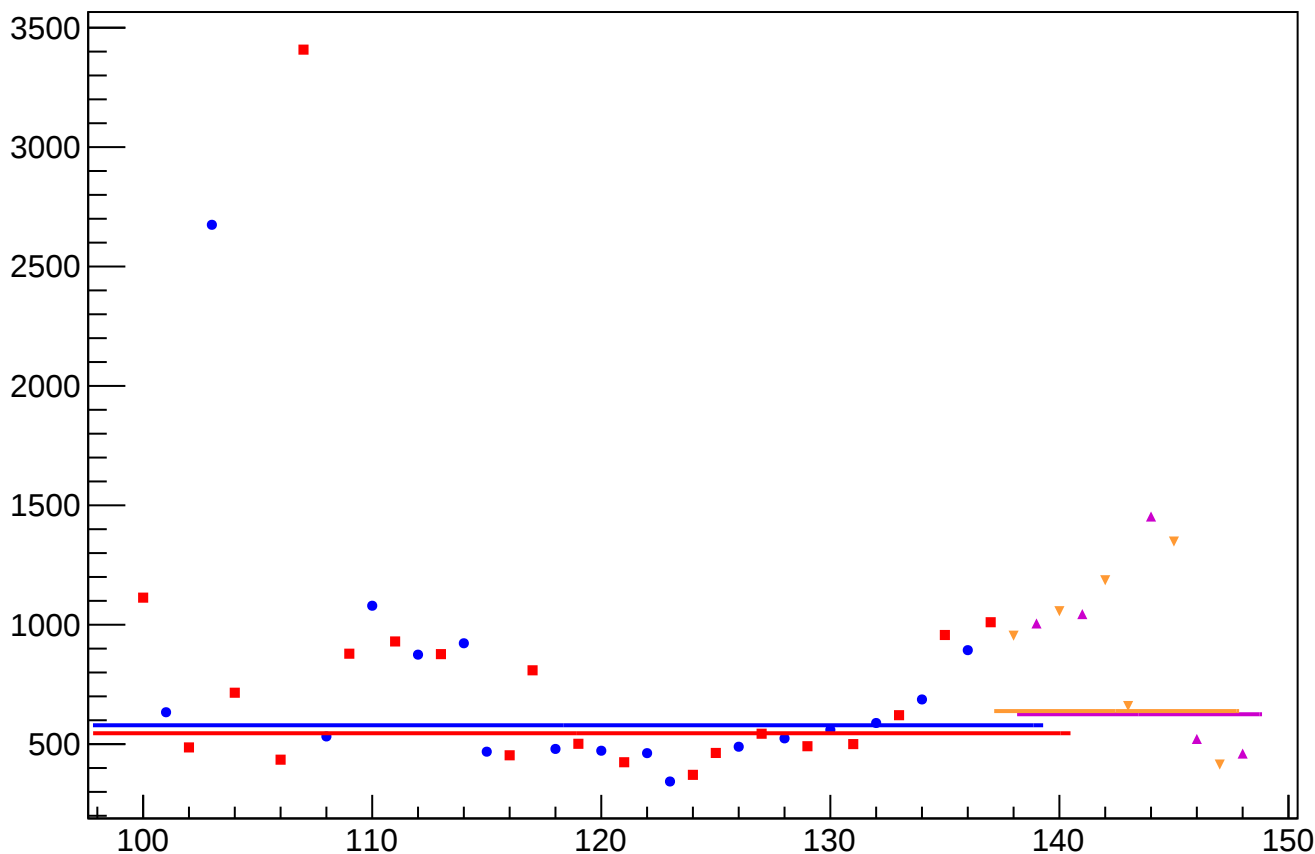
Left In: 40.511+/-342.673 χ^2/NDF : 1.8/4

-203.573+/-197.755 χ^2/NDF : 26.9/22

-167.820+/-137.081 χ^2/NDF : 50.0/47

-134.751+/-190.190 χ^2/NDF : 23.1/24

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 638.373 $\pm$ 0.246 χ^2 /NDF: 1428608.1/5

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

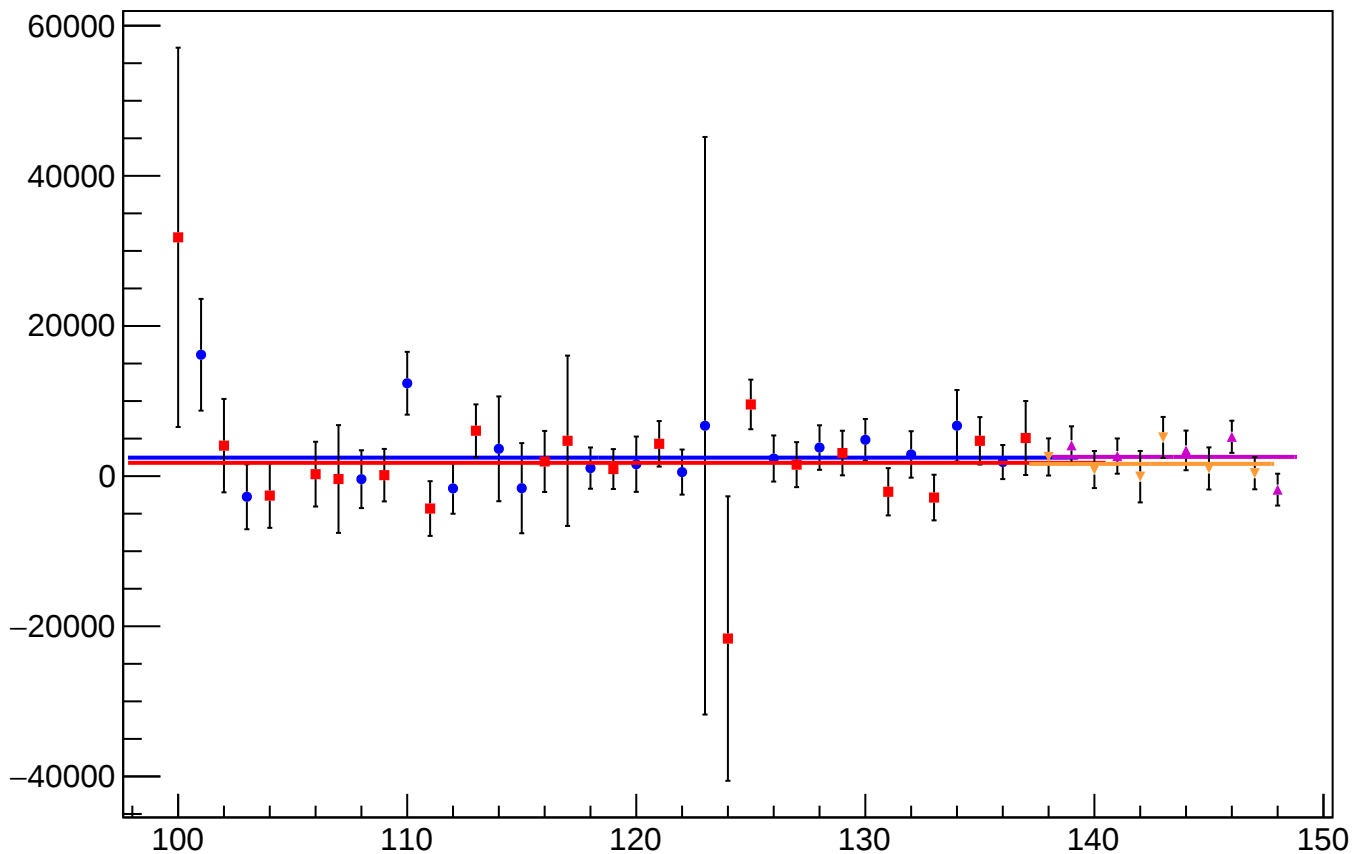
Left In: 625.139 $\pm$ 0.242 χ^2 /NDF: 1286383.2/4

598.141 $\pm$ 0.140 χ^2 /NDF: 2890118.8/22

583.571 $\pm$ 0.097 χ^2 /NDF: 5739017.3/47

570.095 $\pm$ 0.134 χ^2 /NDF: 2828000.4/24

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076+/-863.197 χ^2/NDF : 15.5/16

Left Out: 1637.934+/-1059.353 χ^2/NDF : 2.5/5

Right Out: 1773.396+/-850.889 χ^2/NDF : 20.5/19

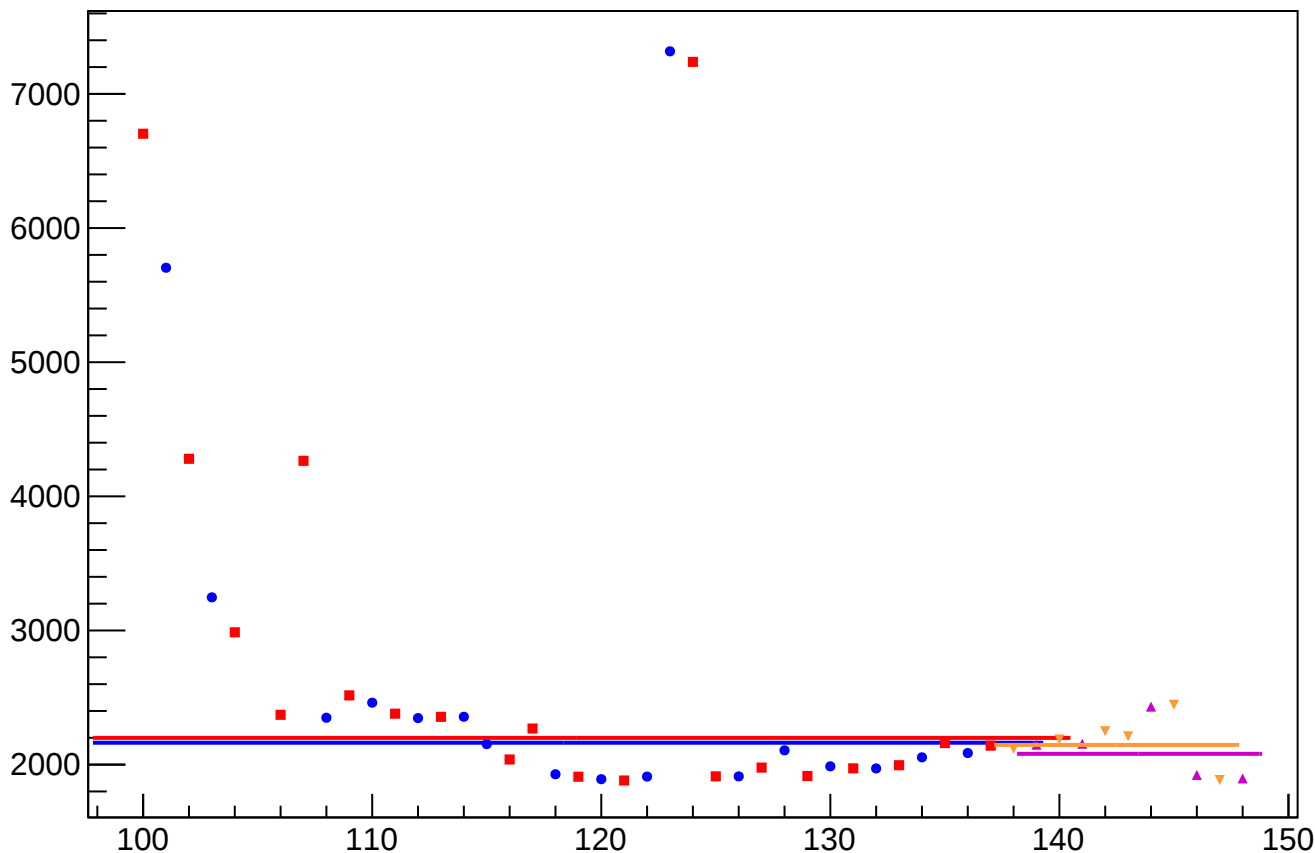
Left In: 2561.975+/-1041.732 χ^2/NDF : 6.3/4

2134.427+/-669.174 χ^2/NDF : 18.4/22

2111.350+/-469.538 χ^2/NDF : 45.6/47

2088.969+/-658.997 χ^2/NDF : 27.2/24

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2146.973+/-0.749 χ^2/NDF : 56387.3/5

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

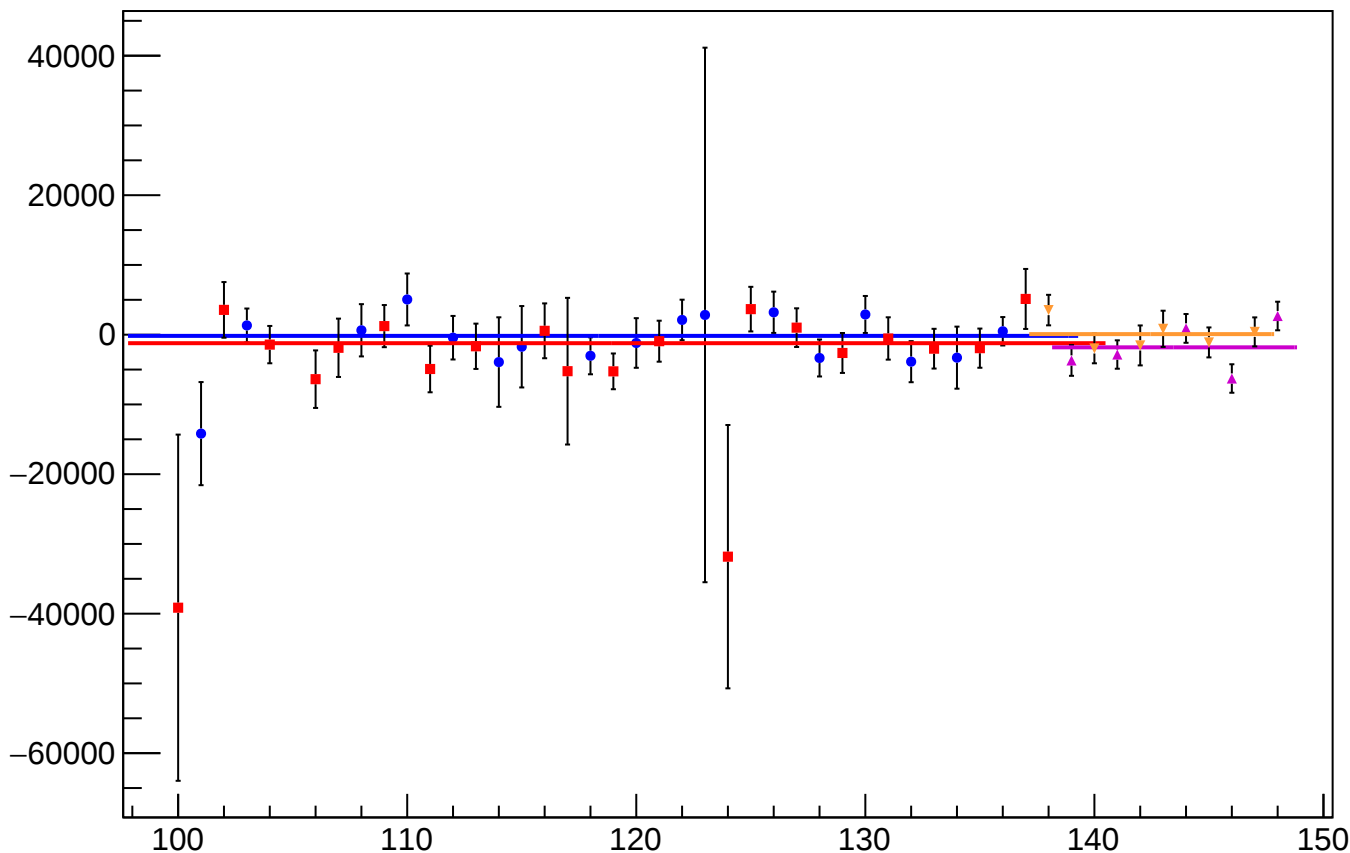
Left In: 2080.489+/-0.737 χ^2/NDF : 64771.6/4

2156.787+/-0.473 χ^2/NDF : 766257.3/22

2154.262+/-0.332 χ^2/NDF : 1650088.8/47

2151.813+/-0.466 χ^2/NDF : 883775.3/24

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -170.351 ± 782.384 $\chi^2/\text{NDF}: 14.5/16$

Left Out: 81.397 ± 933.682 $\chi^2/\text{NDF}: 4.1/5$

Right Out: -1218.753 ± 762.243 $\chi^2/\text{NDF}: 18.3/19$

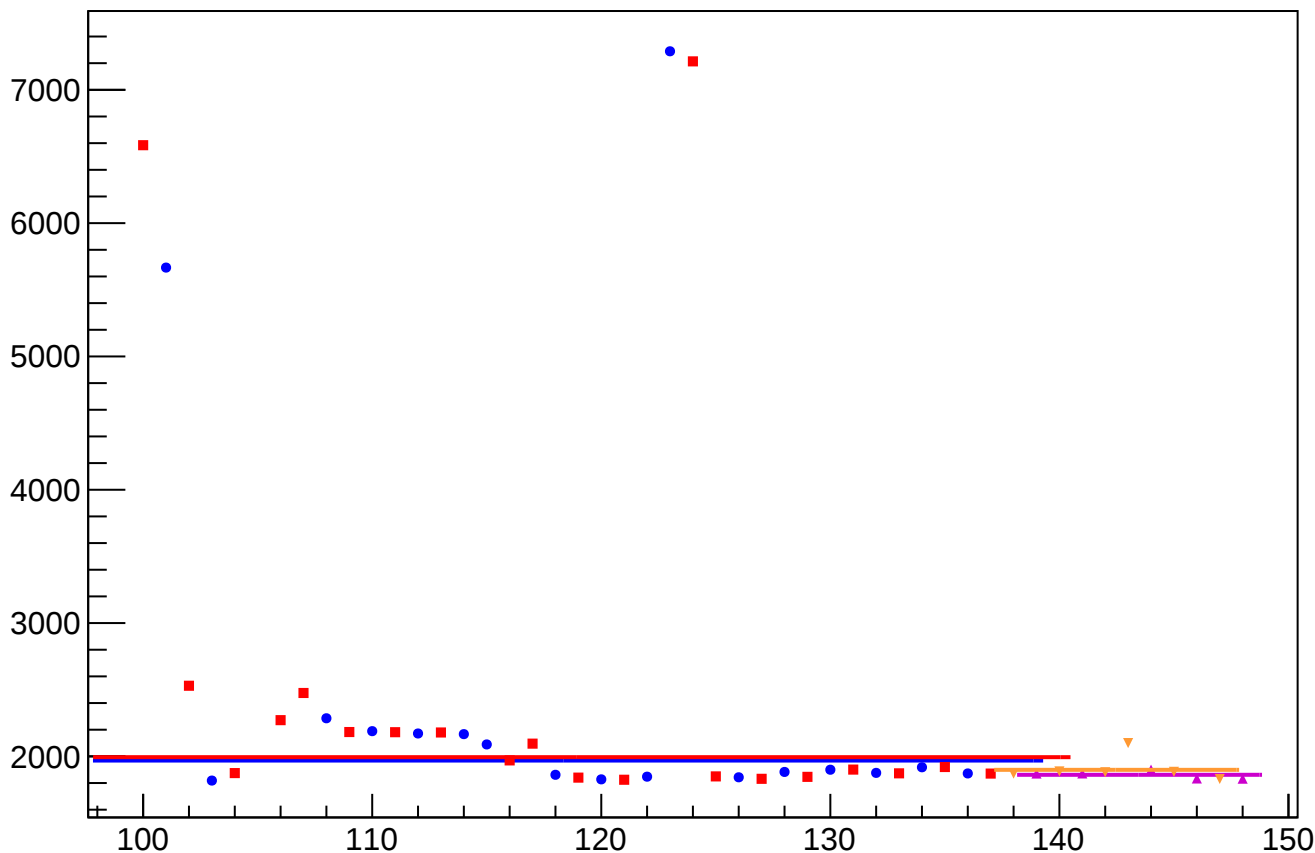
Left In: -1813.349 ± 928.344 $\chi^2/\text{NDF}: 12.3/4$

-66.501 ± 599.679 $\chi^2/\text{NDF}: 18.7/22$

-774.721 ± 420.249 $\chi^2/\text{NDF}: 52.3/47$

-1458.190 ± 589.106 $\chi^2/\text{NDF}: 30.9/24$

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632+/-0.553 χ^2/NDF : 602972.8/16

Left Out: 1898.964+/-0.660 χ^2/NDF : 14707.1/5

Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

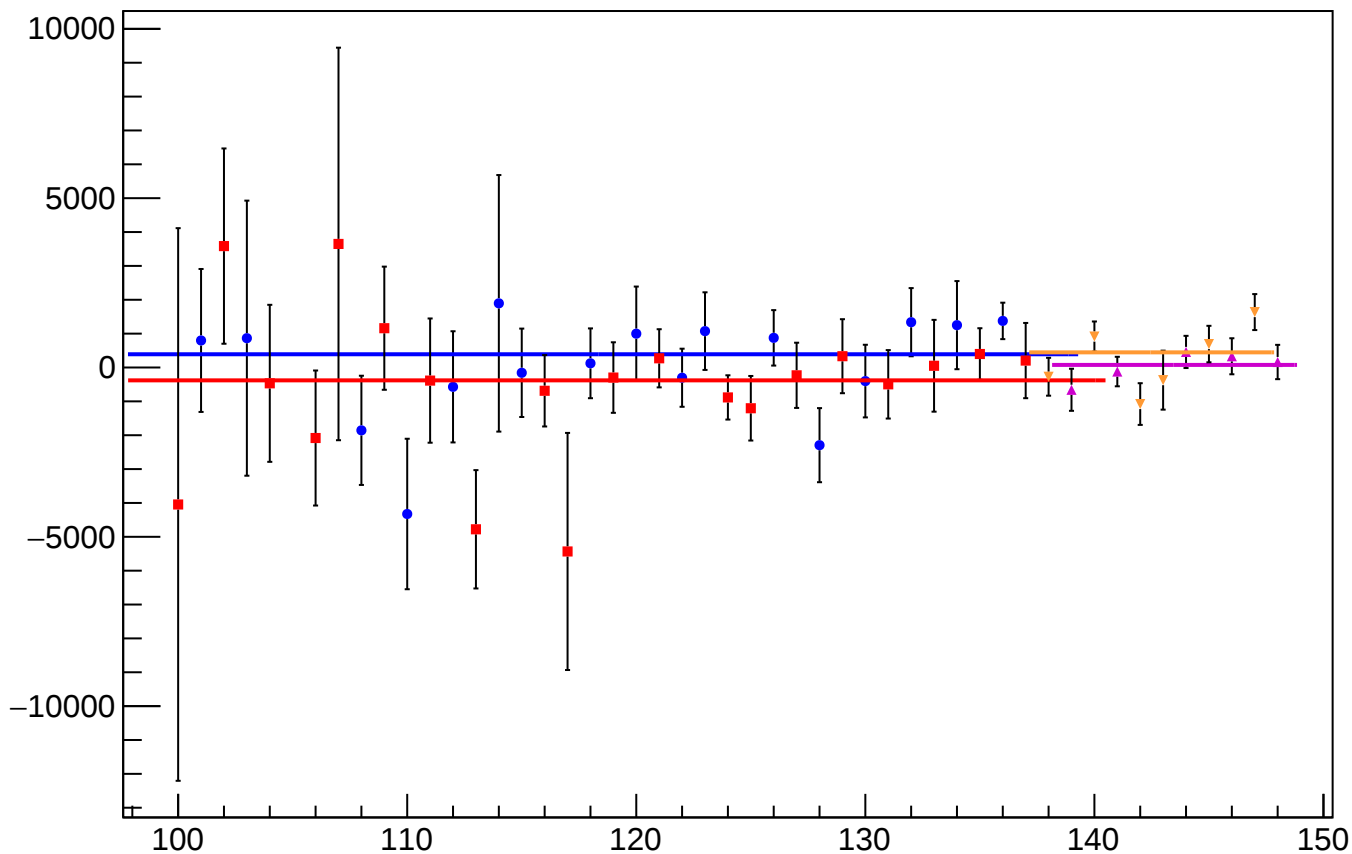
Left In: 1861.720+/-0.656 χ^2/NDF : 1560.5/4

1939.893+/-0.424 χ^2/NDF : 624221.8/22

1940.307+/-0.297 χ^2/NDF : 1006383.3/47

1940.707+/-0.417 χ^2/NDF : 382159.7/24

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923 ± 270.128 χ^2/NDF : 20.0/16

Left Out: 447.071 ± 228.282 χ^2/NDF : 15.0/5

Right Out: -379.833 ± 265.331 χ^2/NDF : 16.3/19

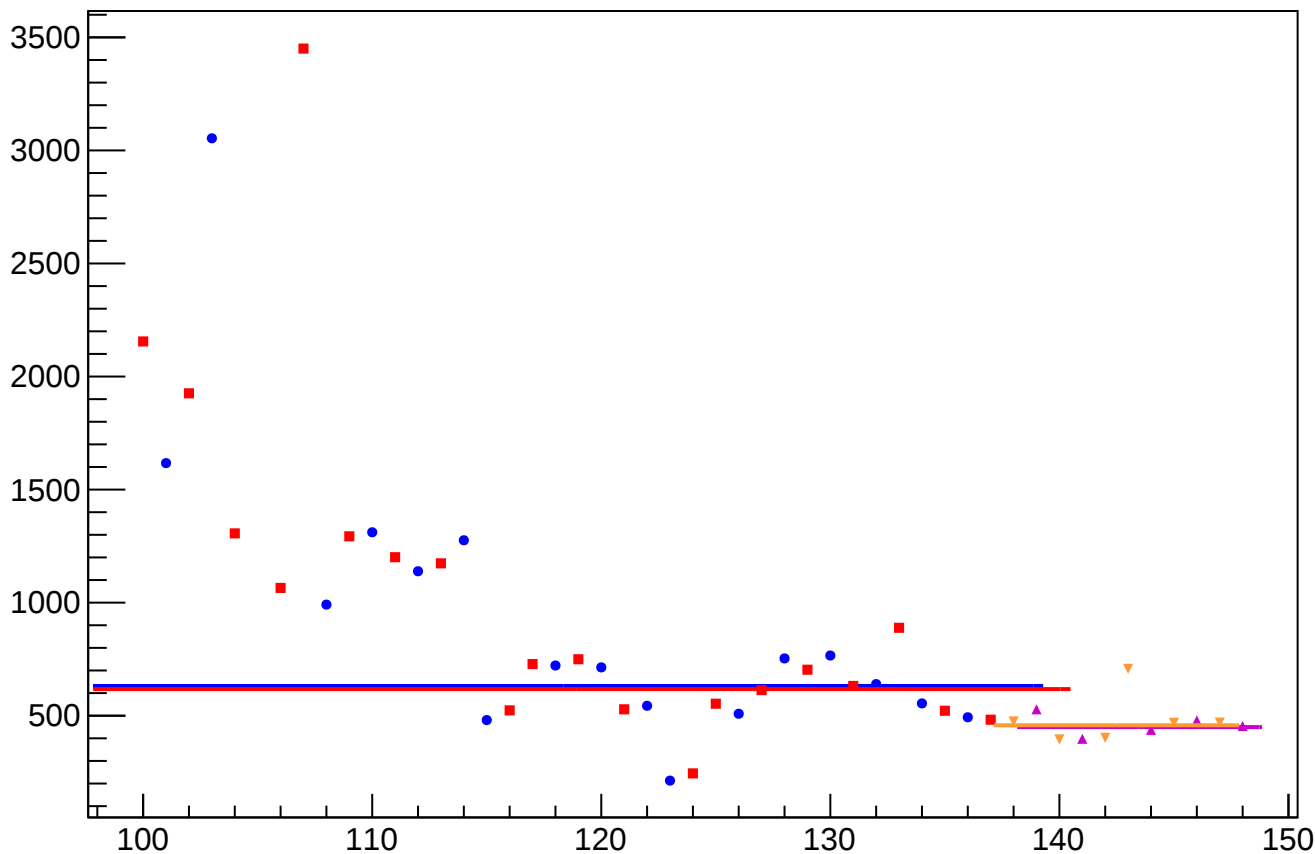
Left In: 76.100 ± 225.207 χ^2/NDF : 2.5/4

423.678 ± 174.359 χ^2/NDF : 35.1/22

150.288 ± 122.339 χ^2/NDF : 60.5/47

-114.820 ± 171.698 χ^2/NDF : 20.6/24

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 457.723 $\pm$ 0.161 χ^2 /NDF:223582.3/5

Right Out: 617.675 $\pm$ 0.188 χ^2 /NDF: 2804158.4/19

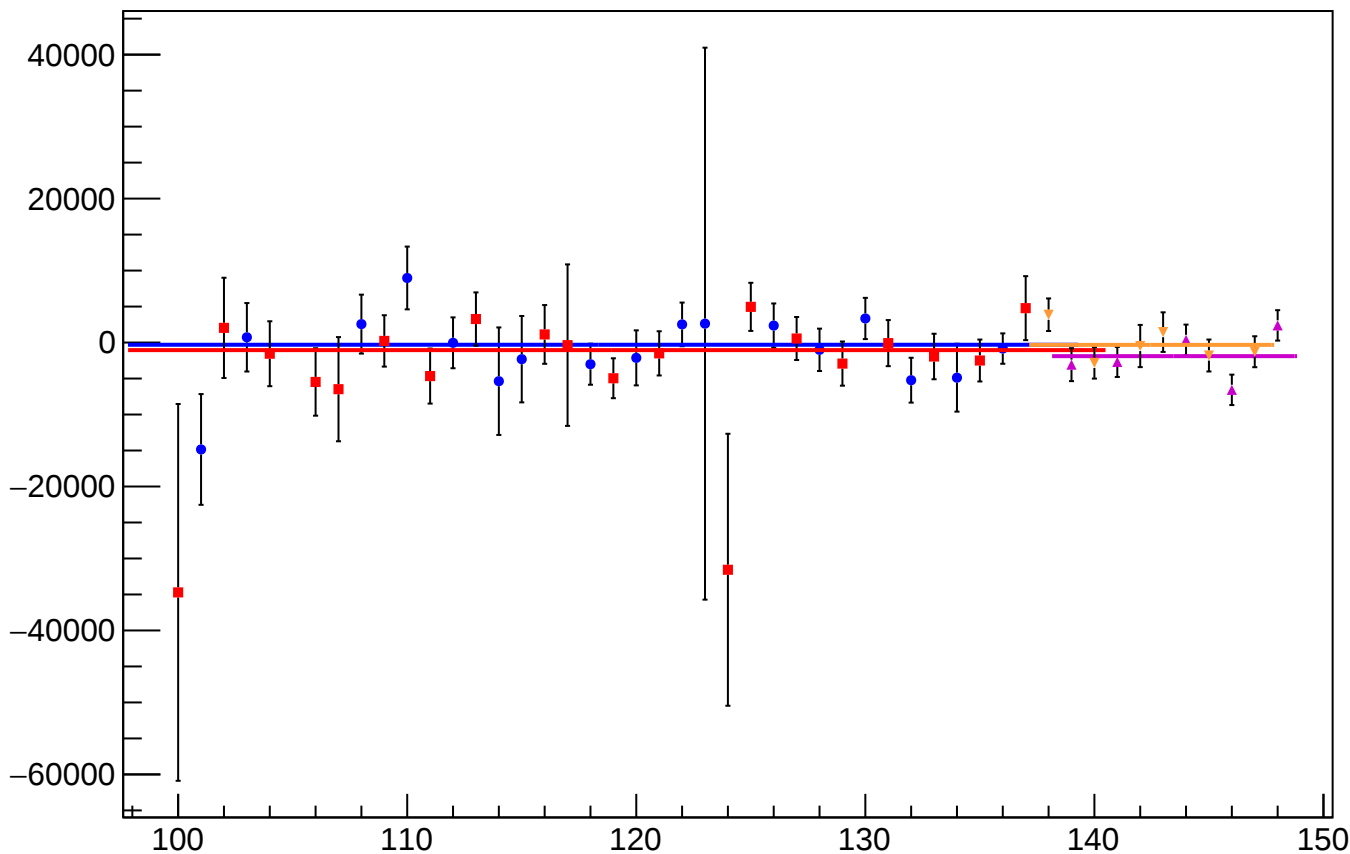
Left In: 449.704 $\pm$ 0.159 χ^2 /NDF:68052.4/4

530.094 $\pm$ 0.123 χ^2 /NDF: 2966742.8/22

524.990 $\pm$ 0.087 χ^2 /NDF: 6308220.0/47

520.041 $\pm$ 0.121 χ^2 /NDF: 3338101.9/24

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -305.713+/-871.922 χ^2/NDF : 17.2/16

Left Out: -321.800+/-965.255 χ^2/NDF : 5.8/5

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

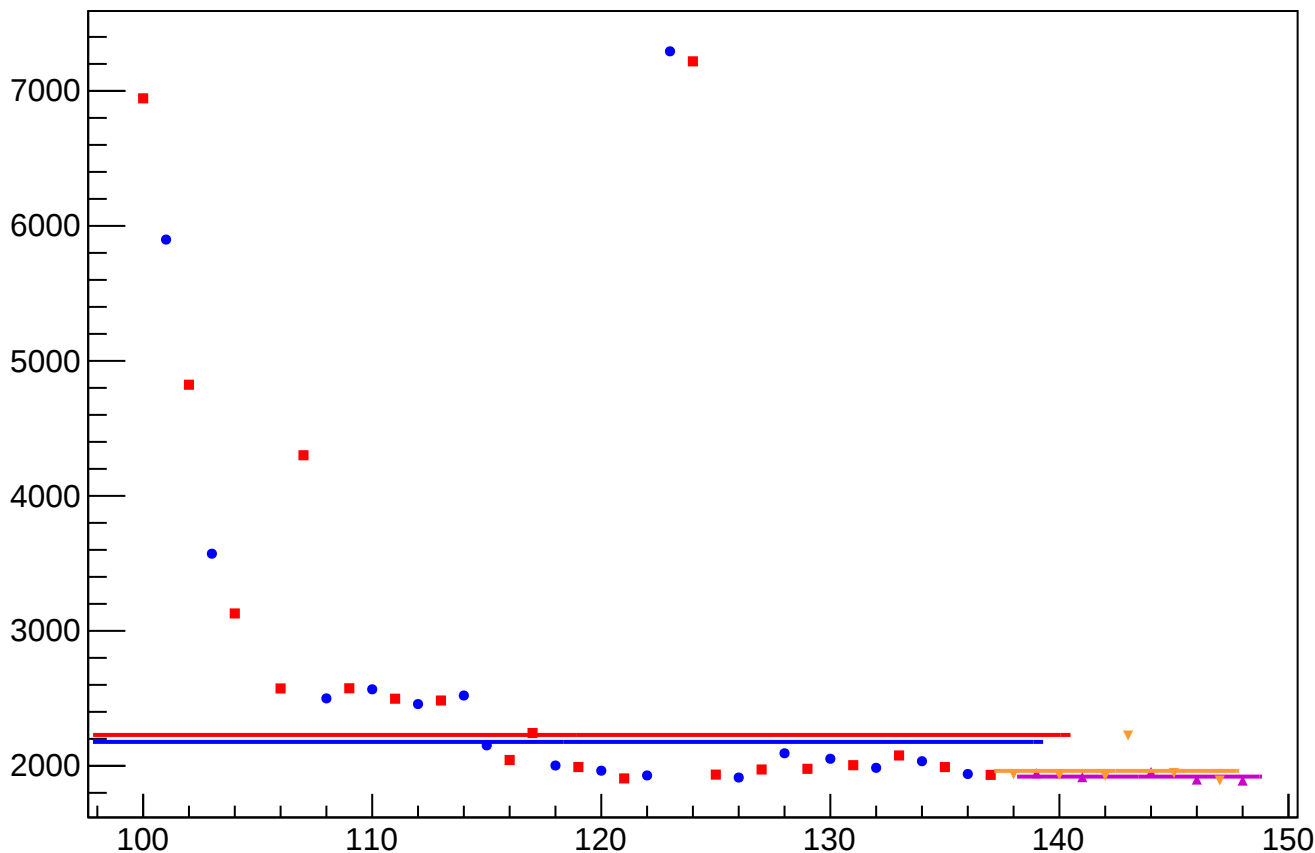
Left In: -1888.956+/-957.449 χ^2/NDF : 10.5/4

-312.941+/-647.029 χ^2/NDF : 22.9/22

-875.232+/-455.657 χ^2/NDF : 52.1/47

-1428.460+/-641.794 χ^2/NDF : 27.6/24

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1962.738 +/- 0.683 χ^2/NDF : 21452.4/5

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

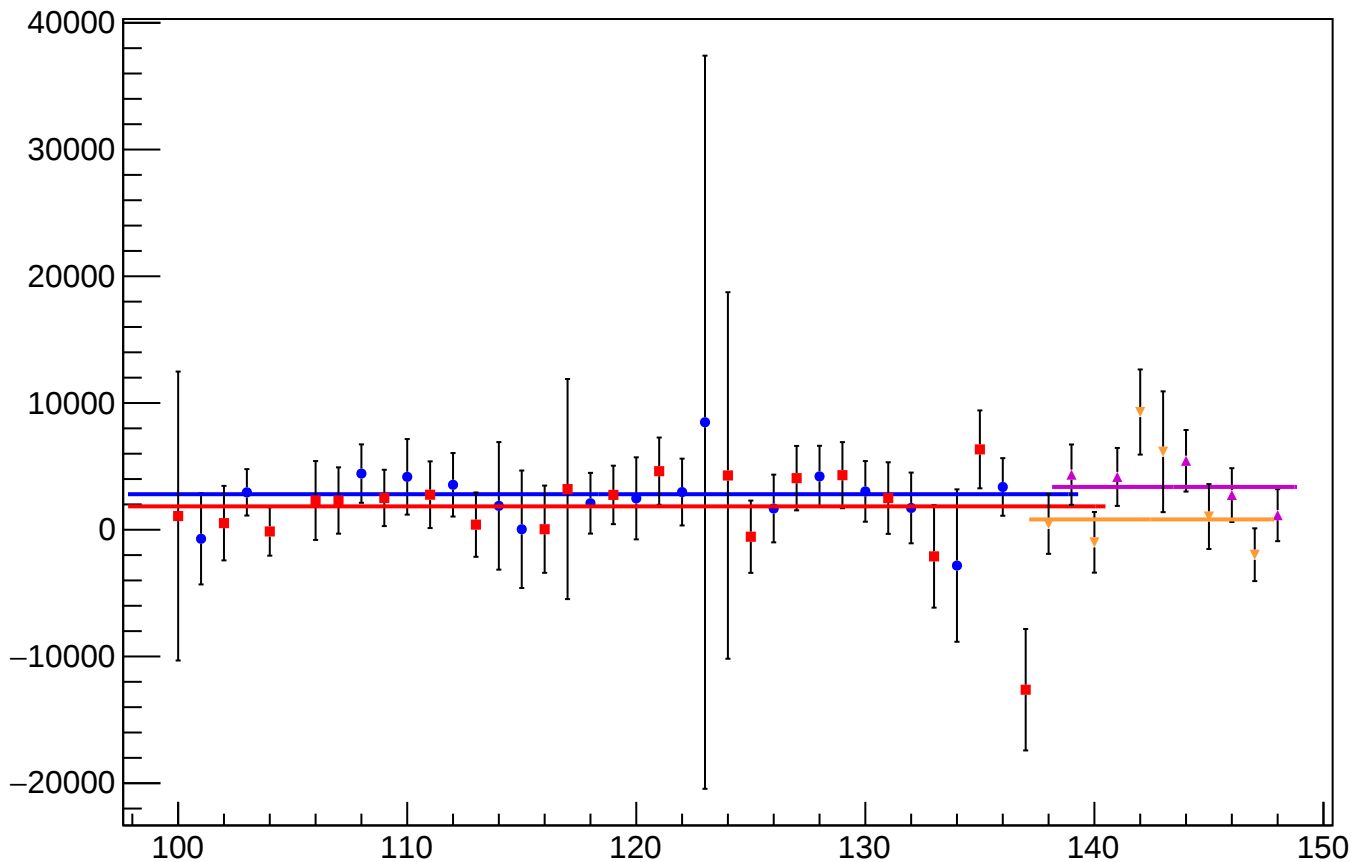
Left In: 1920.357 +/- 0.677 χ^2/NDF : 1376.1/4

2080.972 +/- 0.458 χ^2/NDF : 878781.5/22

2085.710 +/- 0.322 χ^2/NDF : 1890702.2/47

2090.373 +/- 0.454 χ^2/NDF : 1011707.9/24

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917+/-678.548 χ^2/NDF : 3.9/16

Left Out: 814.725+/-1072.517 χ^2/NDF : 10.0/5

Right Out: 1844.945+/-653.448 χ^2/NDF : 18.1/19

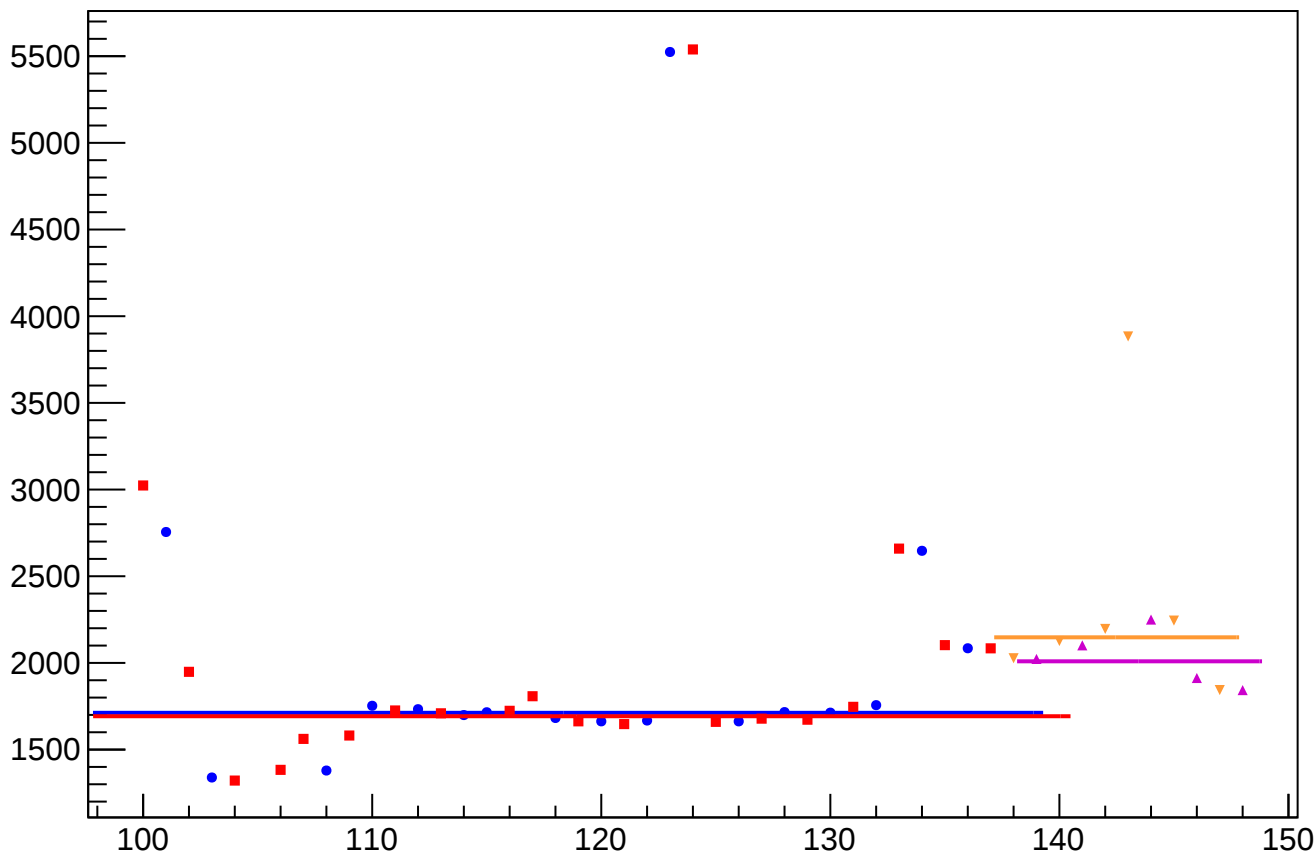
Left In: 3377.284+/-1001.455 χ^2/NDF : 2.3/4

2235.302+/-573.423 χ^2/NDF : 16.4/22

2270.484+/-395.895 χ^2/NDF : 38.4/47

2302.528+/-547.254 χ^2/NDF : 22.0/24

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 2147.601+/-0.758 χ^2/NDF : 316617.2/5

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

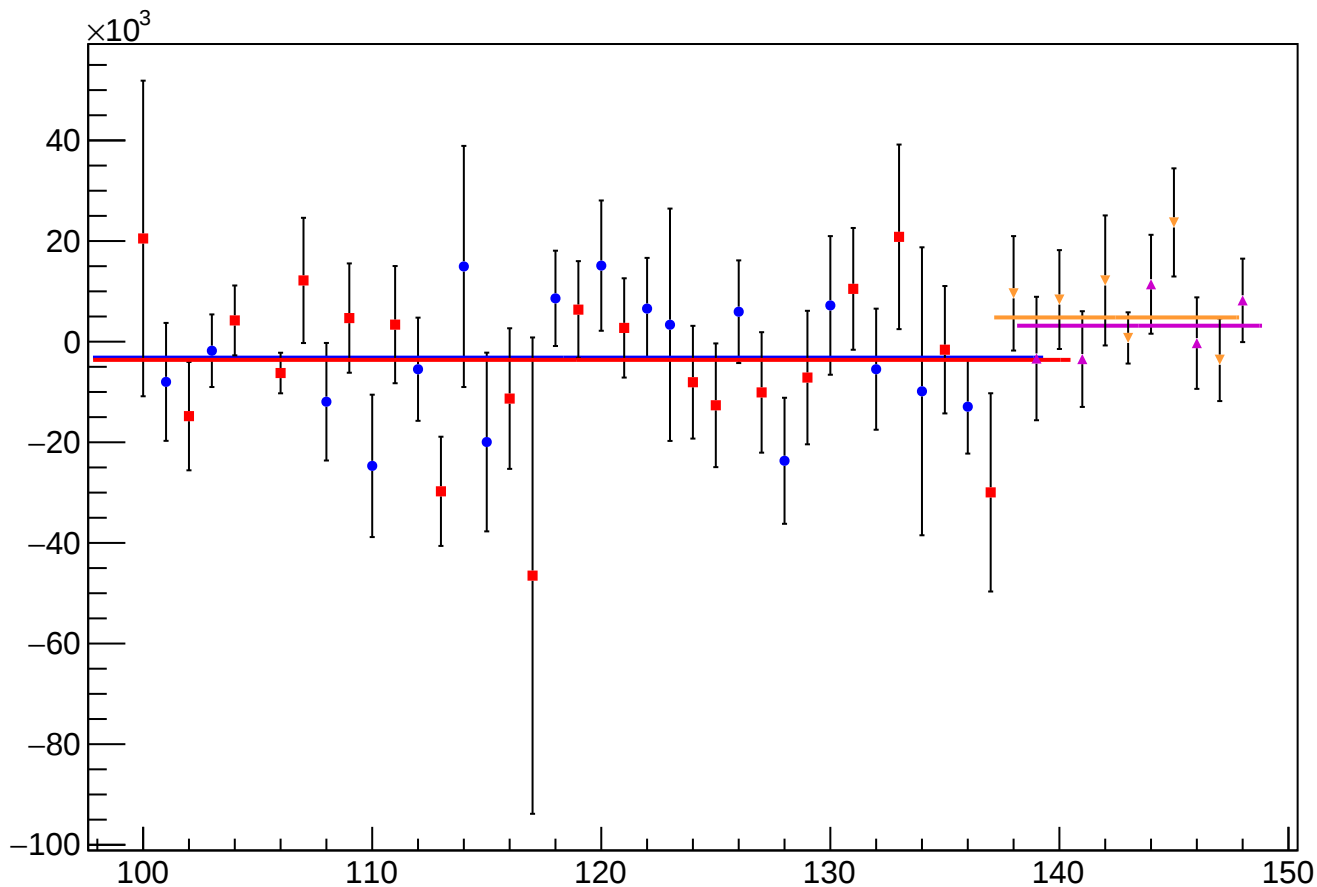
Left In: 2009.225+/-0.708 χ^2/NDF : 40203.6/4

1836.627+/-0.405 χ^2/NDF : 984536.1/22

1810.661+/-0.280 χ^2/NDF : 1628248.5/47

1787.011+/-0.387 χ^2/NDF : 635876.2/24

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 ± 2851.982 χ^2/NDF : 14.4/16

Left Out: 4815.390 ± 3408.007 χ^2/NDF : 5.4/5

Right Out: -3618.416 ± 2263.938 χ^2/NDF : 20.3/19

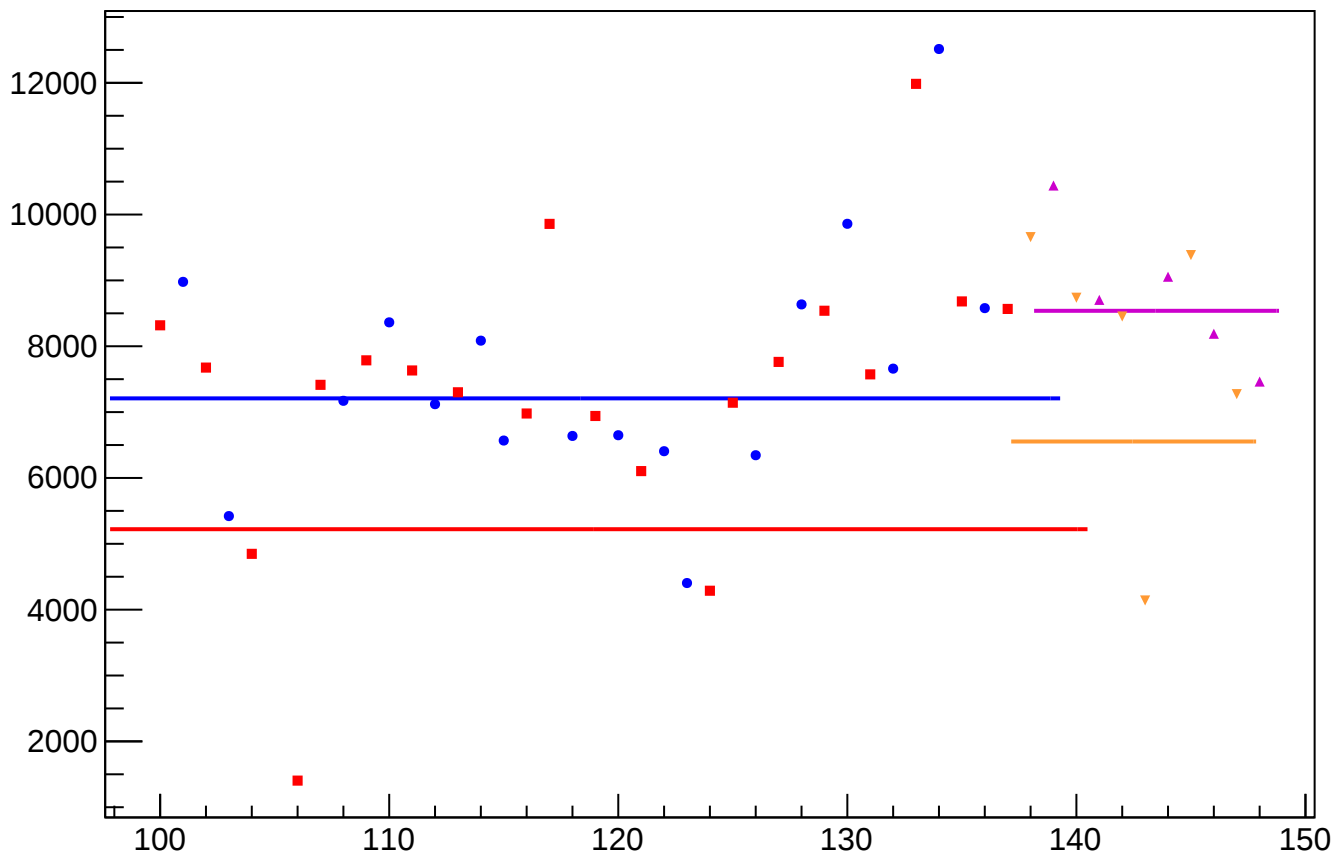
Left In: 3170.875 ± 4276.429 χ^2/NDF : 2.0/4

117.059 ± 2187.168 χ^2/NDF : 23.0/22

-1107.419 ± 1476.298 χ^2/NDF : 47.9/47

-2132.167 ± 2000.852 χ^2/NDF : 24.3/24

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 6553.649 $\pm$ 2.410 χ^2 /NDF: 894441.0/5

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

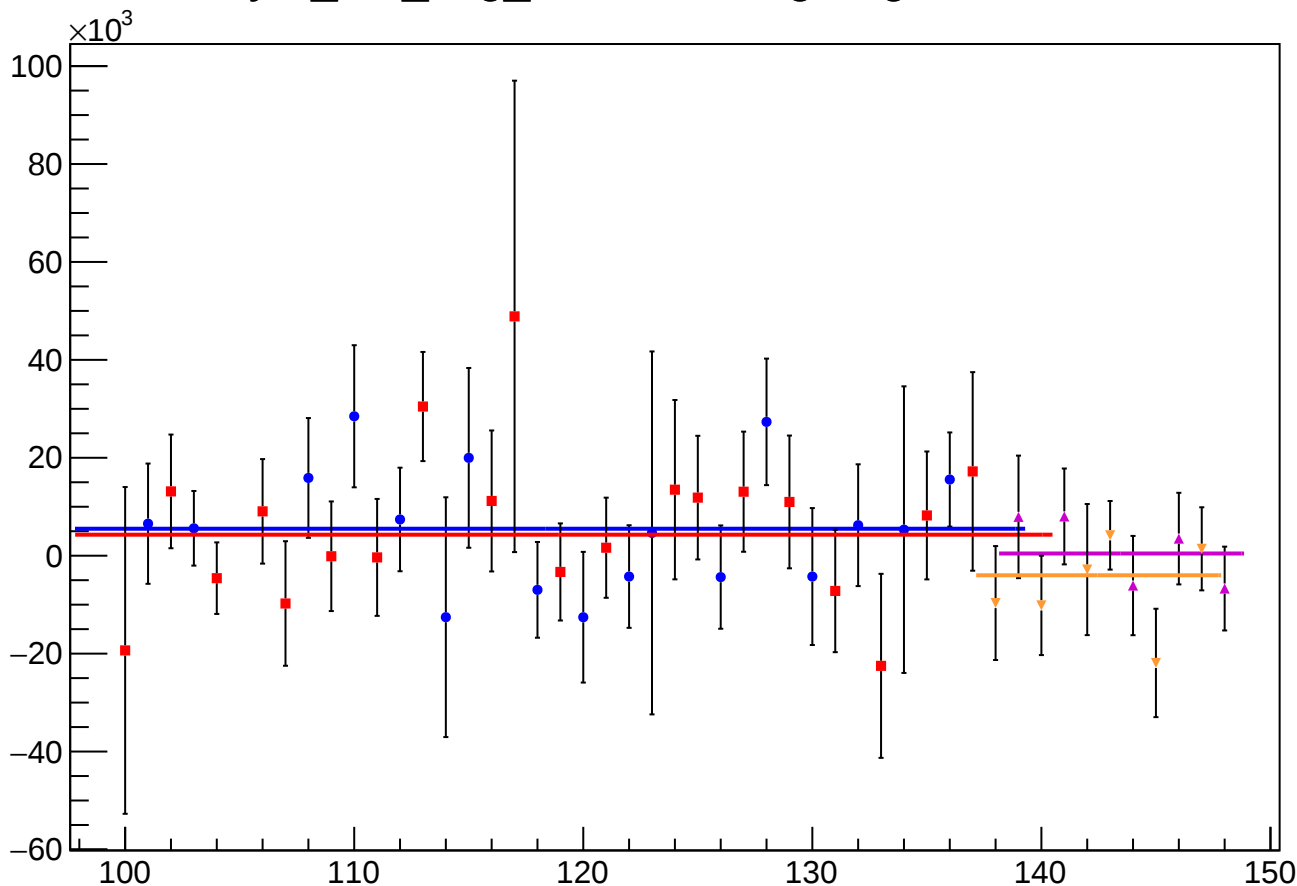
Left In: 8538.236 $\pm$ 3.024 χ^2 /NDF: 90763.4/4

6938.824 $\pm$ 1.547 χ^2 /NDF: 1407181.5/22

6399.319 $\pm$ 1.044 χ^2 /NDF: 5877098.9/47

5947.816 $\pm$ 1.415 χ^2 /NDF: 4246386.3/24

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: -3995.708 $\pm$ 3919.050 χ^2 /NDF: 5.0/5

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

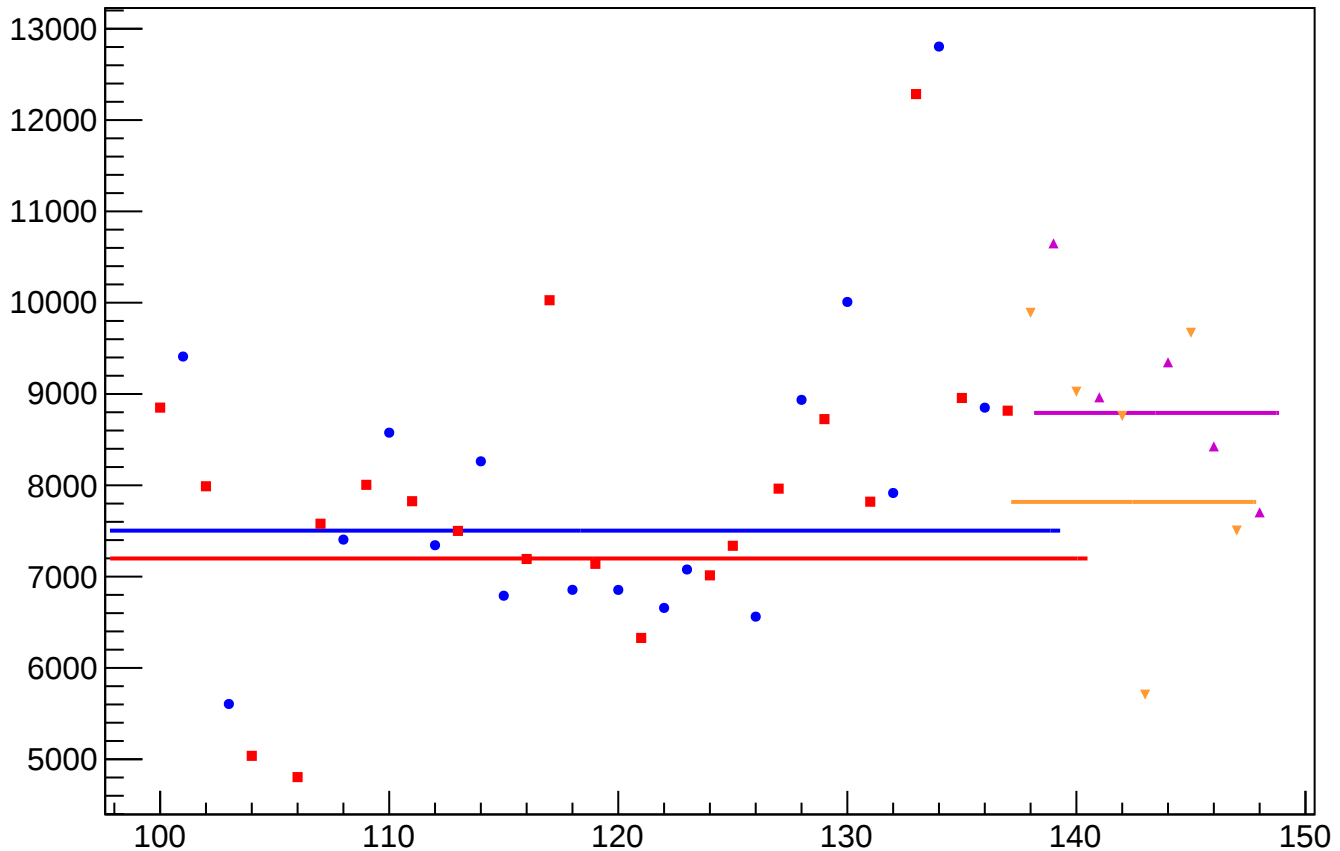
Left In: 452.646 $\pm$ 4401.389 χ^2 /NDF: 2.2/4

2040.365 $\pm$ 2367.589 χ^2 /NDF: 22.8/22

2621.933 $\pm$ 1669.228 χ^2 /NDF: 41.9/47

3196.727 $\pm$ 2353.761 χ^2 /NDF: 19.0/24

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 $\pm$ 2.101 χ^2 /NDF: 427313.5/16

Left Out: 7818.291 $\pm$ 2.771 χ^2 /NDF: 341838.6/5

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

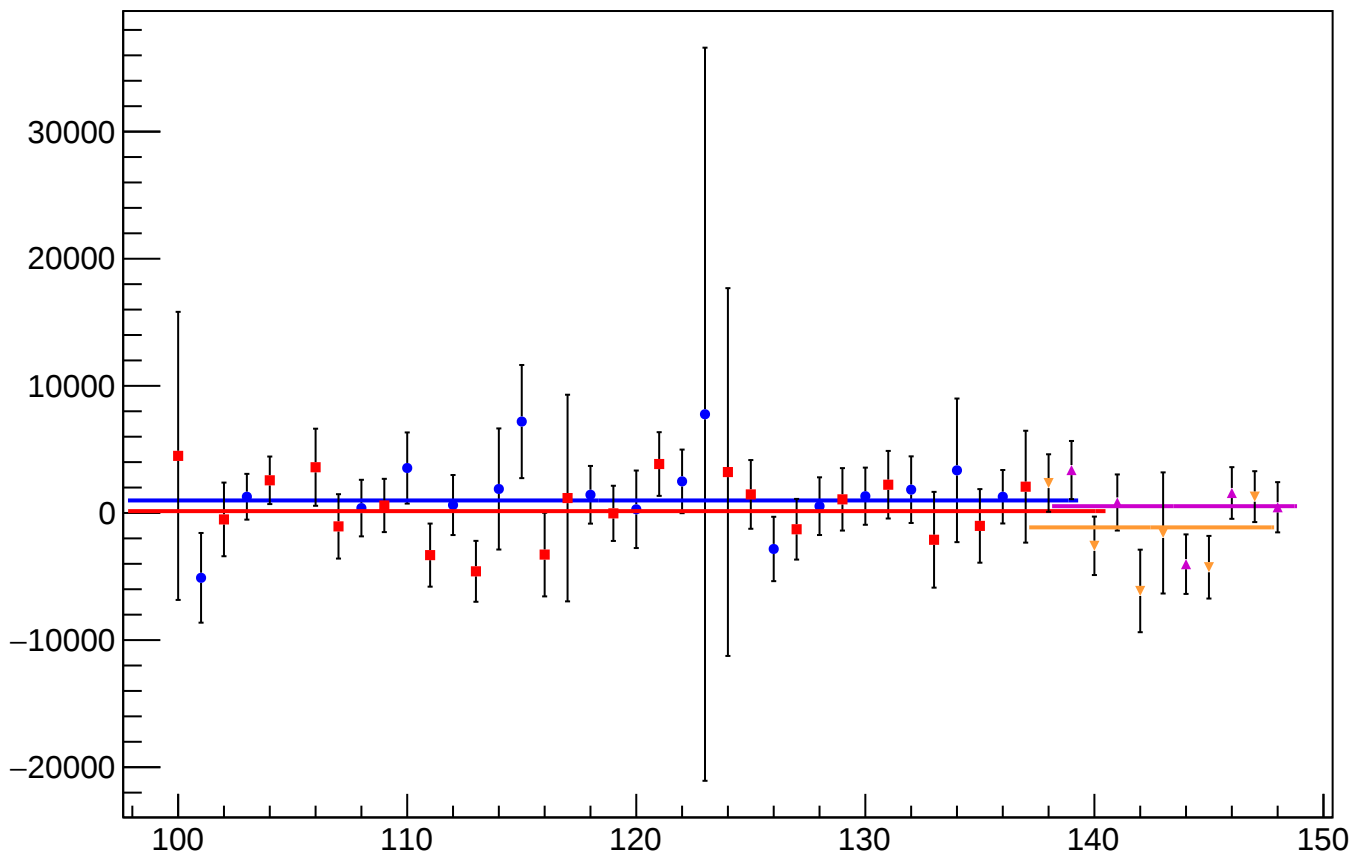
Left In: 8792.711 $\pm$ 3.112 χ^2 /NDF: 86054.3/4

7618.490 $\pm$ 1.674 χ^2 /NDF: 777337.8/22

7636.603 $\pm$ 1.180 χ^2 /NDF: 1615561.7/47

7654.502 $\pm$ 1.664 χ^2 /NDF: 837991.2/24

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452 $\pm$ 644.630 χ^2 /NDF: 9.1/16

Left Out: -1133.234 $\pm$ 1032.654 χ^2 /NDF: 8.2/5

Right Out: 144.683 $\pm$ 621.728 χ^2 /NDF: 14.7/19

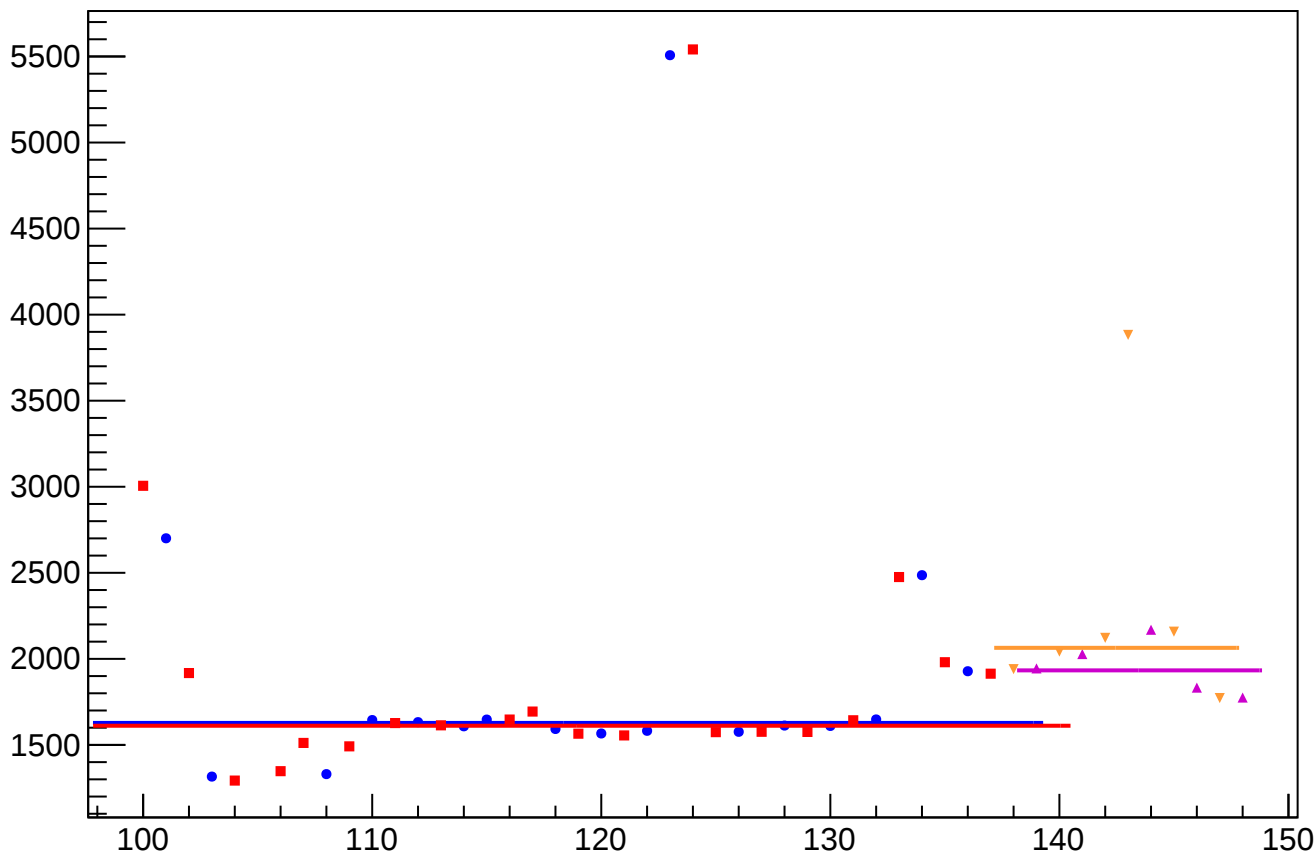
Left In: 533.863 $\pm$ 963.595 χ^2 /NDF: 5.6/4

391.349 $\pm$ 546.830 χ^2 /NDF: 20.3/22

322.195 $\pm$ 377.743 χ^2 /NDF: 40.8/47

259.077 $\pm$ 522.423 χ^2 /NDF: 20.4/24

reg_asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 2064.095 $\pm$ 0.730 χ^2/NDF : 343486.2/5

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

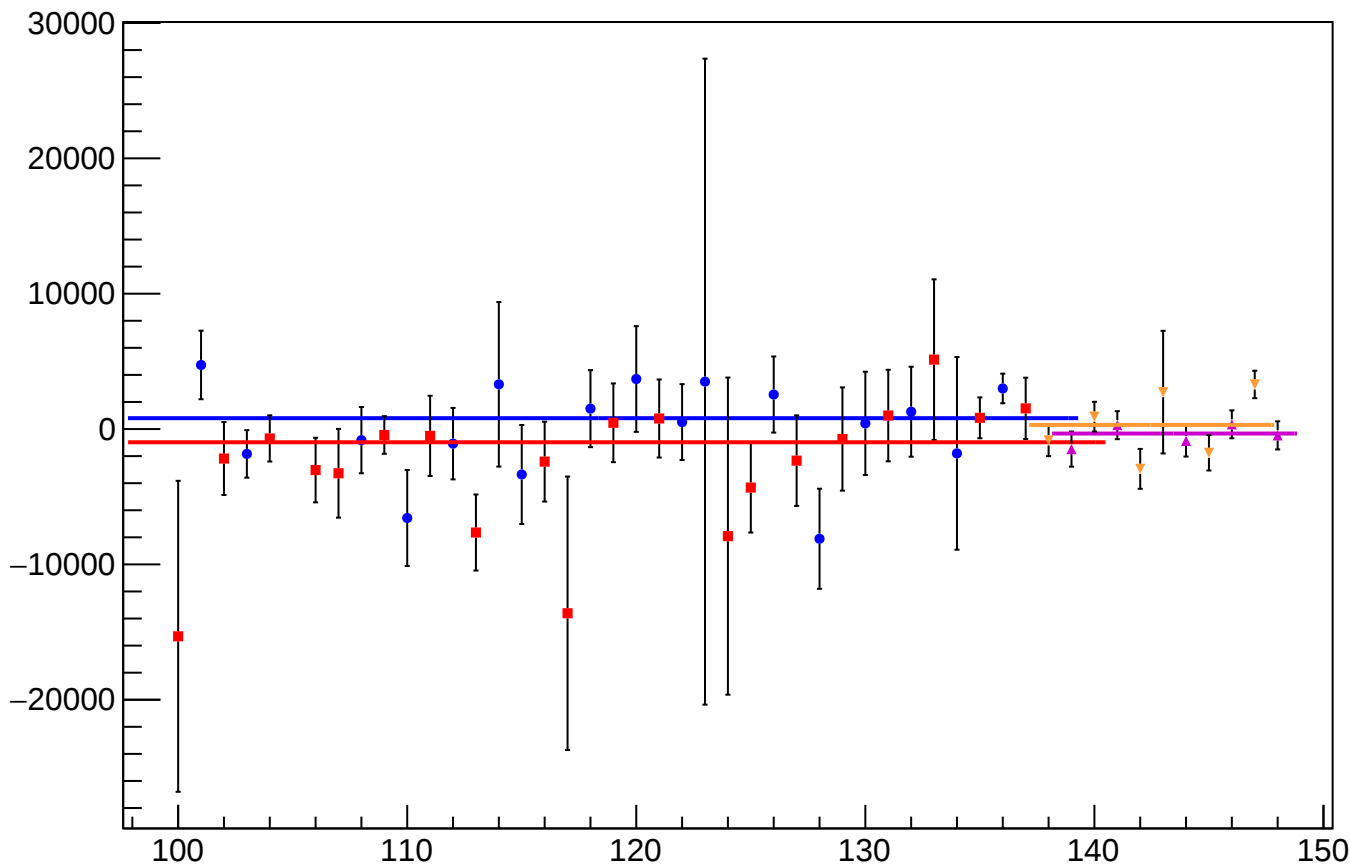
Left In: 1933.144 $\pm$ 0.681 χ^2/NDF : 41708.5/4

1750.168 $\pm$ 0.387 χ^2/NDF : 1007451.2/22

1727.074 $\pm$ 0.267 χ^2/NDF : 1647554.0/47

1705.996 $\pm$ 0.369 χ^2/NDF : 633279.8/24

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 ± 631.676 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 305.235 ± 524.567 $\chi^2/\text{NDF}: 17.6/5$

Right Out: -976.725 ± 588.724 $\chi^2/\text{NDF}: 16.8/19$

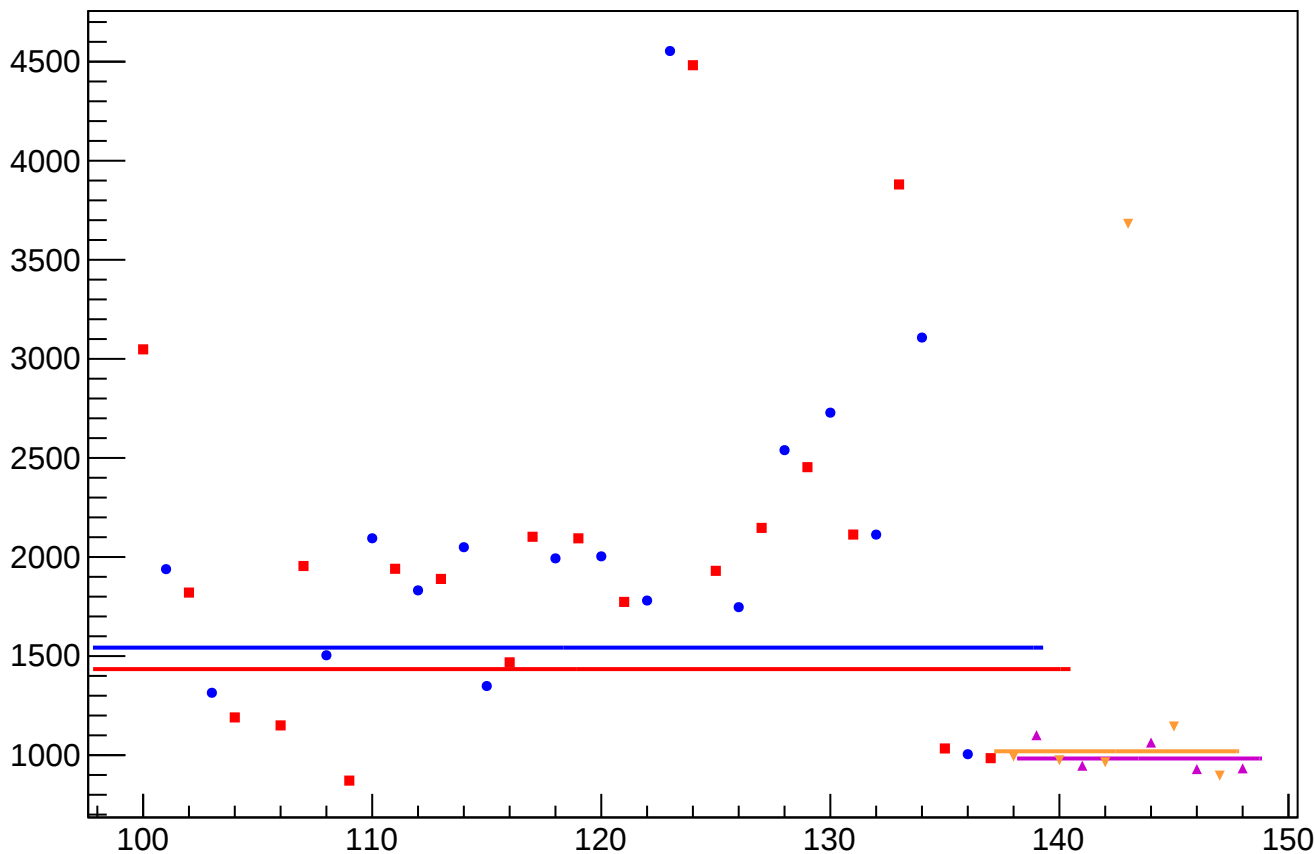
Left In: -331.704 ± 490.922 $\chi^2/\text{NDF}: 1.8/4$

508.419 ± 403.558 $\chi^2/\text{NDF}: 40.4/22$

-81.410 ± 275.504 $\chi^2/\text{NDF}: 63.7/47$

-596.260 ± 377.036 $\chi^2/\text{NDF}: 19.4/24$

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705 $\pm$ 0.447 χ^2/NDF : 1287946.3/16

Left Out: 1019.575 $\pm$ 0.371 χ^2/NDF : 745910.4/5

Right Out: 1434.290 $\pm$ 0.416 χ^2/NDF : 1832587.0/19

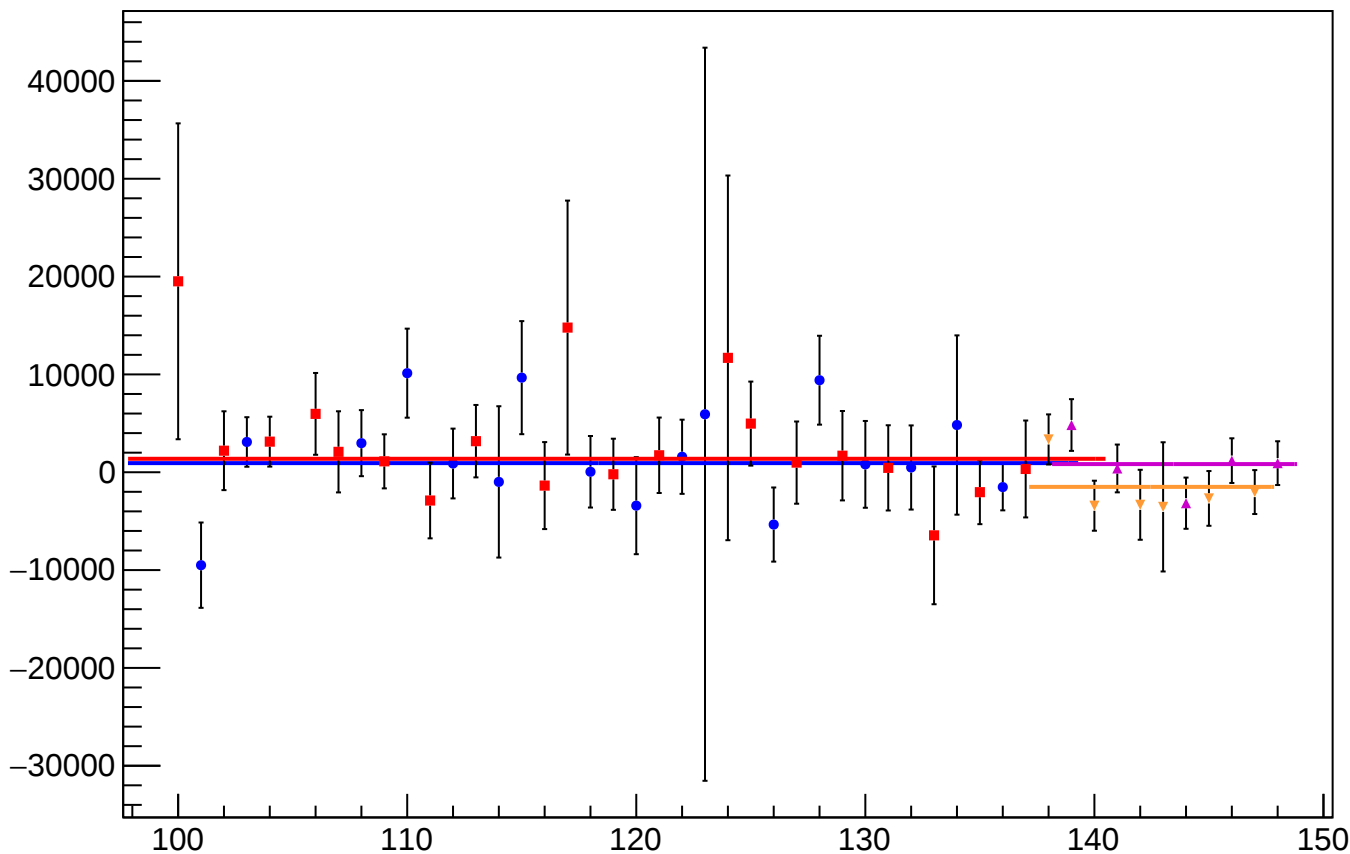
Left In: 983.163 $\pm$ 0.347 χ^2/NDF : 38585.5/4

1233.092 $\pm$ 0.285 χ^2/NDF : 2845695.8/22

1198.440 $\pm$ 0.195 χ^2/NDF : 5437188.0/47

1168.193 $\pm$ 0.267 χ^2/NDF : 2563874.7/24

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1496.167 ± 1168.078 χ^2/NDF : 4.7/5

Right Out: 1375.966 ± 923.072 χ^2/NDF : 9.6/19

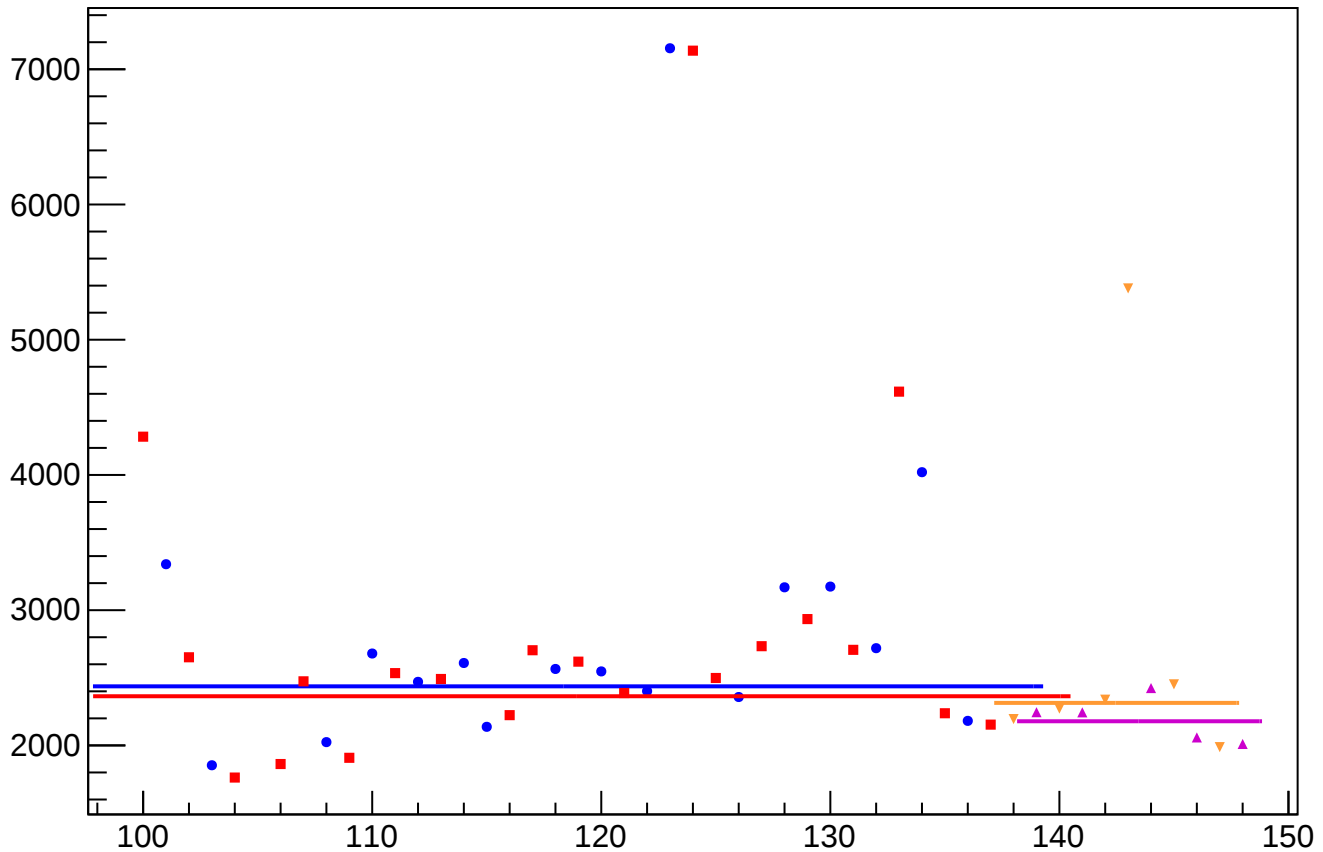
Left In: 834.178 ± 1085.685 χ^2/NDF : 4.7/4

-56.067 ± 745.303 χ^2/NDF : 28.9/22

581.235 ± 511.493 χ^2/NDF : 44.7/47

1148.646 ± 703.248 χ^2/NDF : 14.4/24

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855 ± 0.684 $\chi^2/\text{NDF}: 469030.2/16$

Left Out: 2314.509 ± 0.826 $\chi^2/\text{NDF}: 483158.8/5$

Right Out: 2363.609 ± 0.653 $\chi^2/\text{NDF}: 657228.5/19$

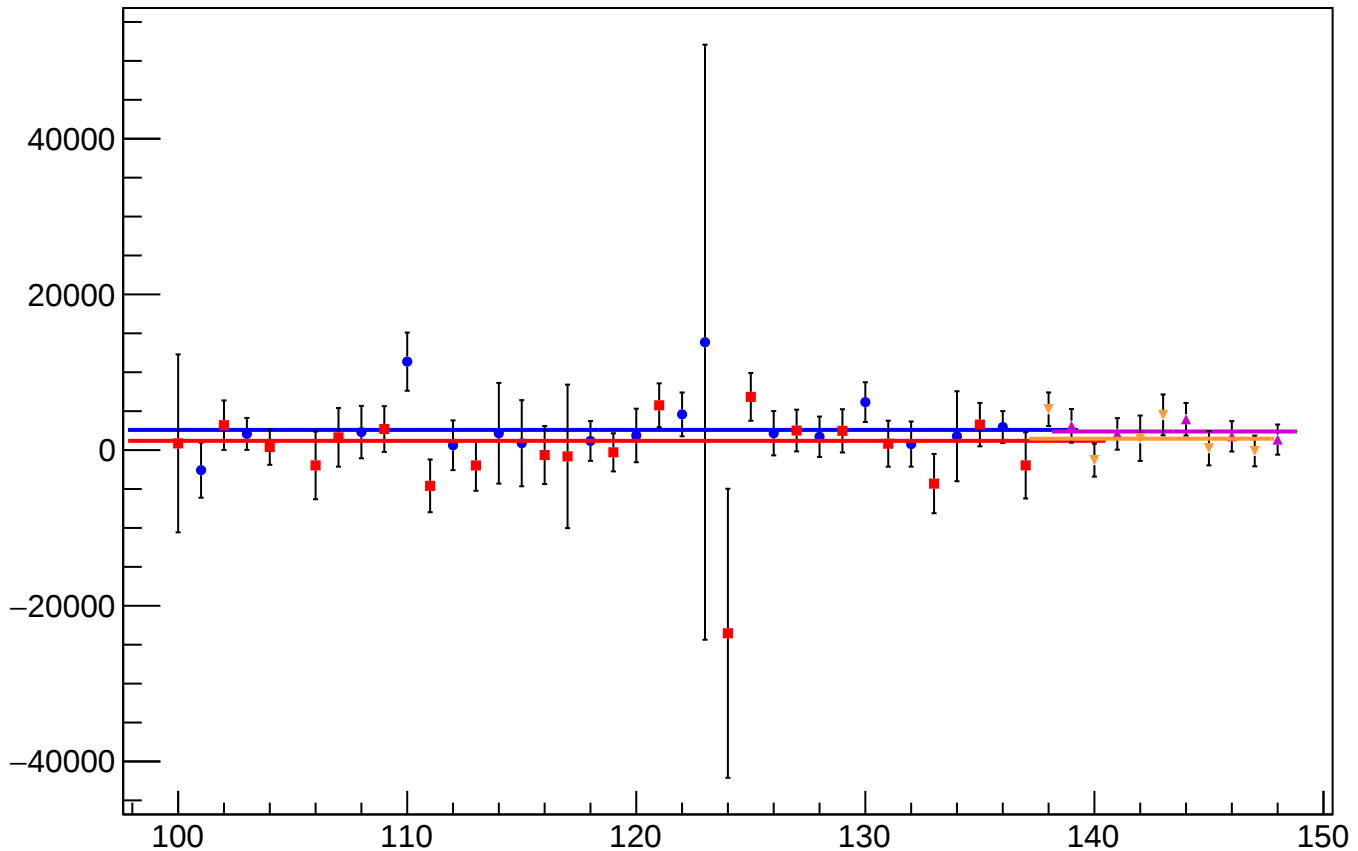
Left In: 2178.626 ± 0.768 $\chi^2/\text{NDF}: 37080.9/4$

2387.046 ± 0.527 $\chi^2/\text{NDF}: 965197.6/22$

2333.589 ± 0.362 $\chi^2/\text{NDF}: 1712656.9/47$

2285.995 ± 0.497 $\chi^2/\text{NDF}: 728009.9/24$

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1463.785 $\pm$ 927.472 χ^2 /NDF: 7.1/5

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

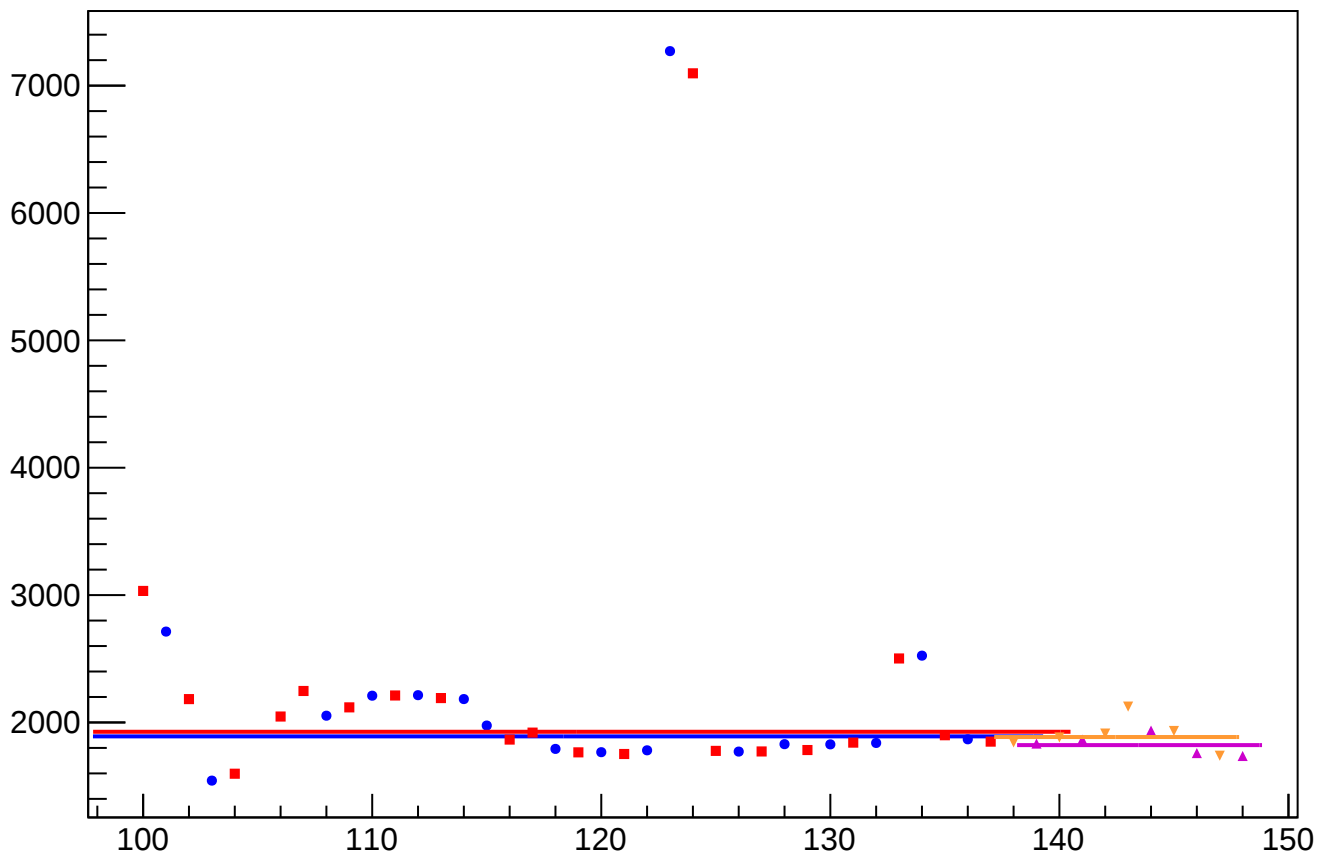
Left In: 2390.241 $\pm$ 907.798 χ^2 /NDF: 1.1/4

2152.616 $\pm$ 579.874 χ^2 /NDF: 19.6/22

1906.519 $\pm$ 407.326 χ^2 /NDF: 39.4/47

1666.816 $\pm$ 572.292 χ^2 /NDF: 19.4/24

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1890.721 ± 0.525 χ^2/NDF : 288944.9/16

Left Out: 1885.633 ± 0.656 χ^2/NDF : 29479.9/5

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

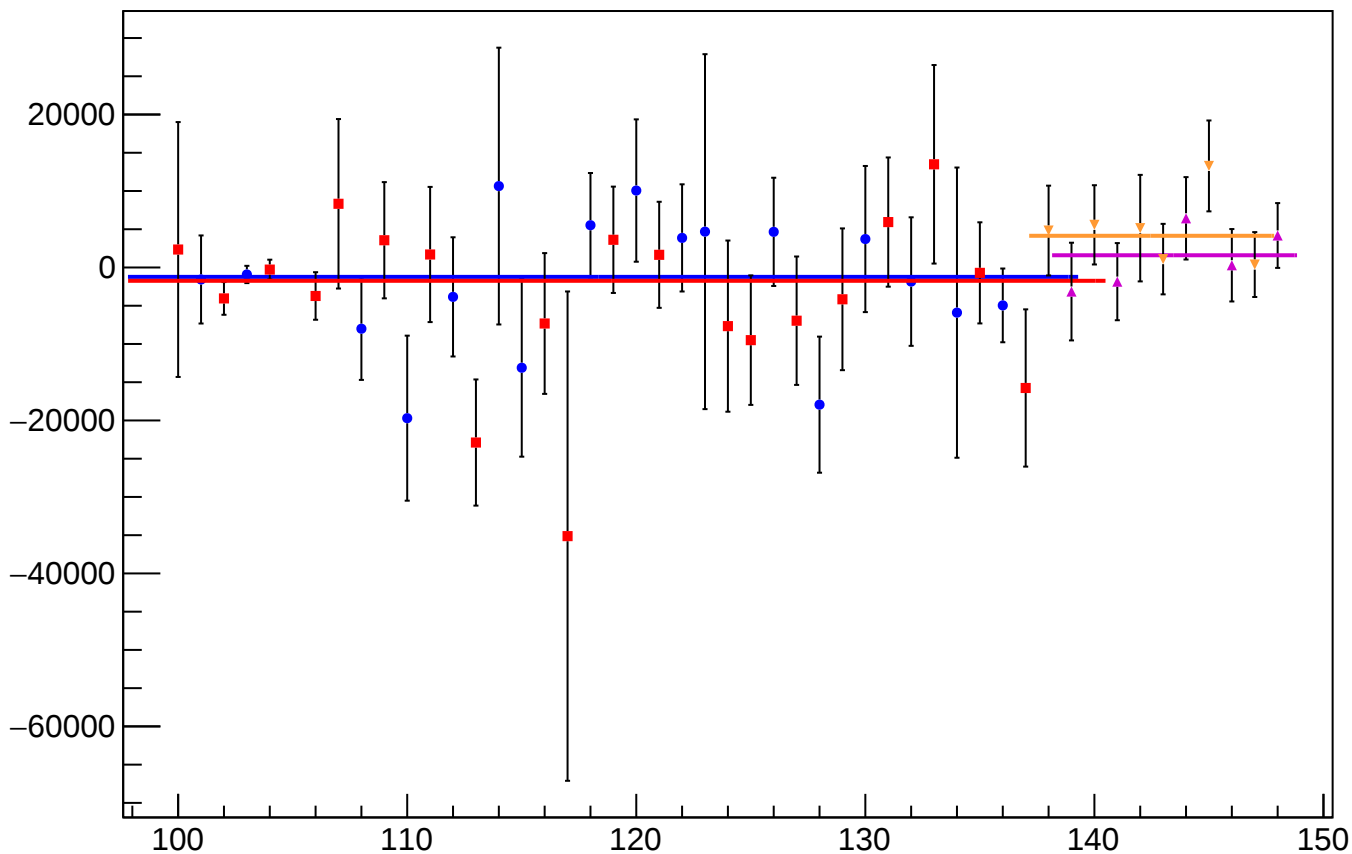
Left In: 1822.189 ± 0.642 χ^2/NDF : 12833.2/4

1888.733 ± 0.410 χ^2/NDF : 318461.4/22

1887.026 ± 0.288 χ^2/NDF : 709640.5/47

1885.367 ± 0.404 χ^2/NDF : 391144.9/24

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 4144.025 $\pm$ 2142.442 χ^2 /NDF: 3.7/5

Right Out: -1740.671 $\pm$ 941.173 χ^2 /NDF: 18.9/19

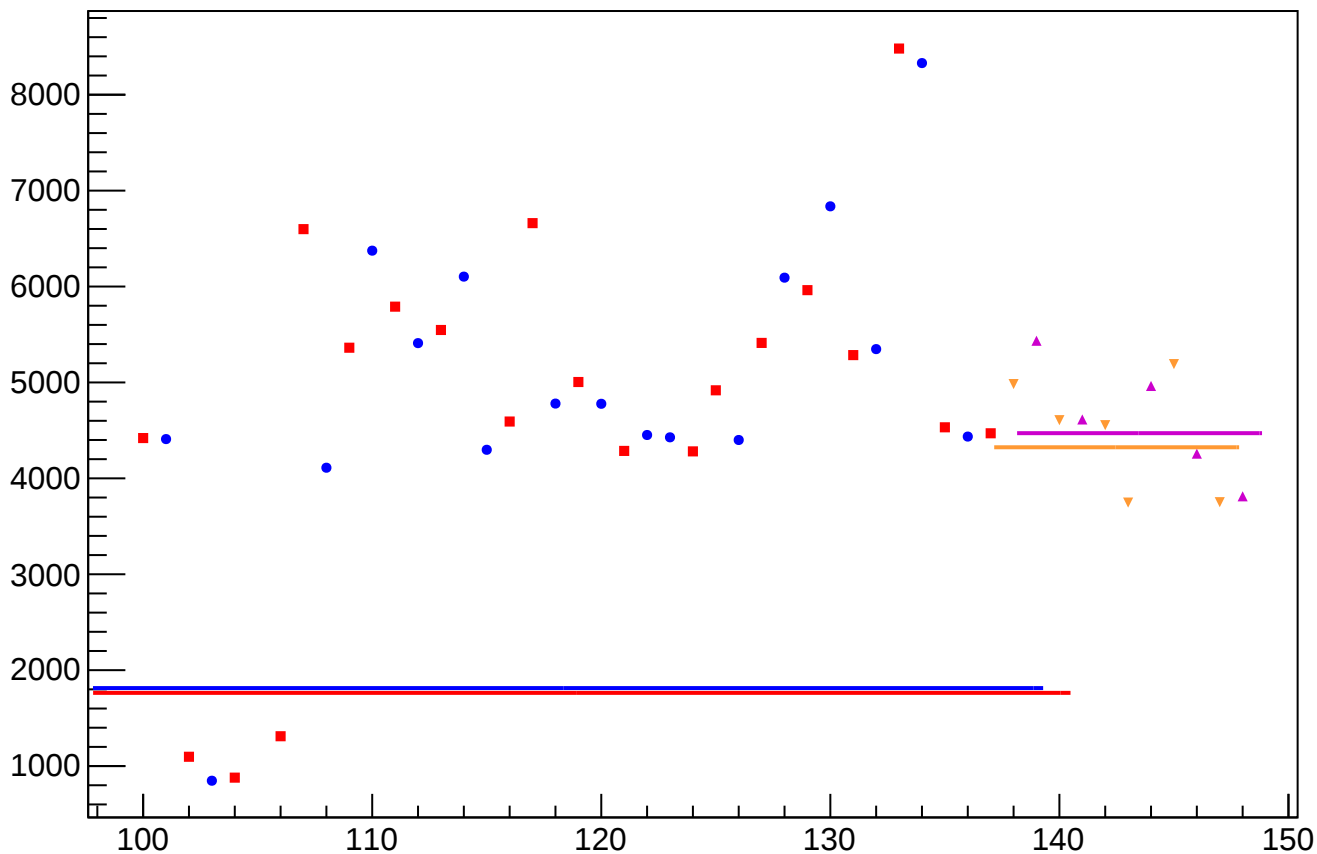
Left In: 1598.416 $\pm$ 2243.713 χ^2 /NDF: 2.3/4

-290.352 $\pm$ 894.648 χ^2 /NDF: 22.7/22

-780.121 $\pm$ 622.943 χ^2 /NDF: 46.3/47

-1241.050 $\pm$ 867.908 χ^2 /NDF: 23.1/24

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4324.003+/-1.515 χ^2/NDF : 143711.3/5

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

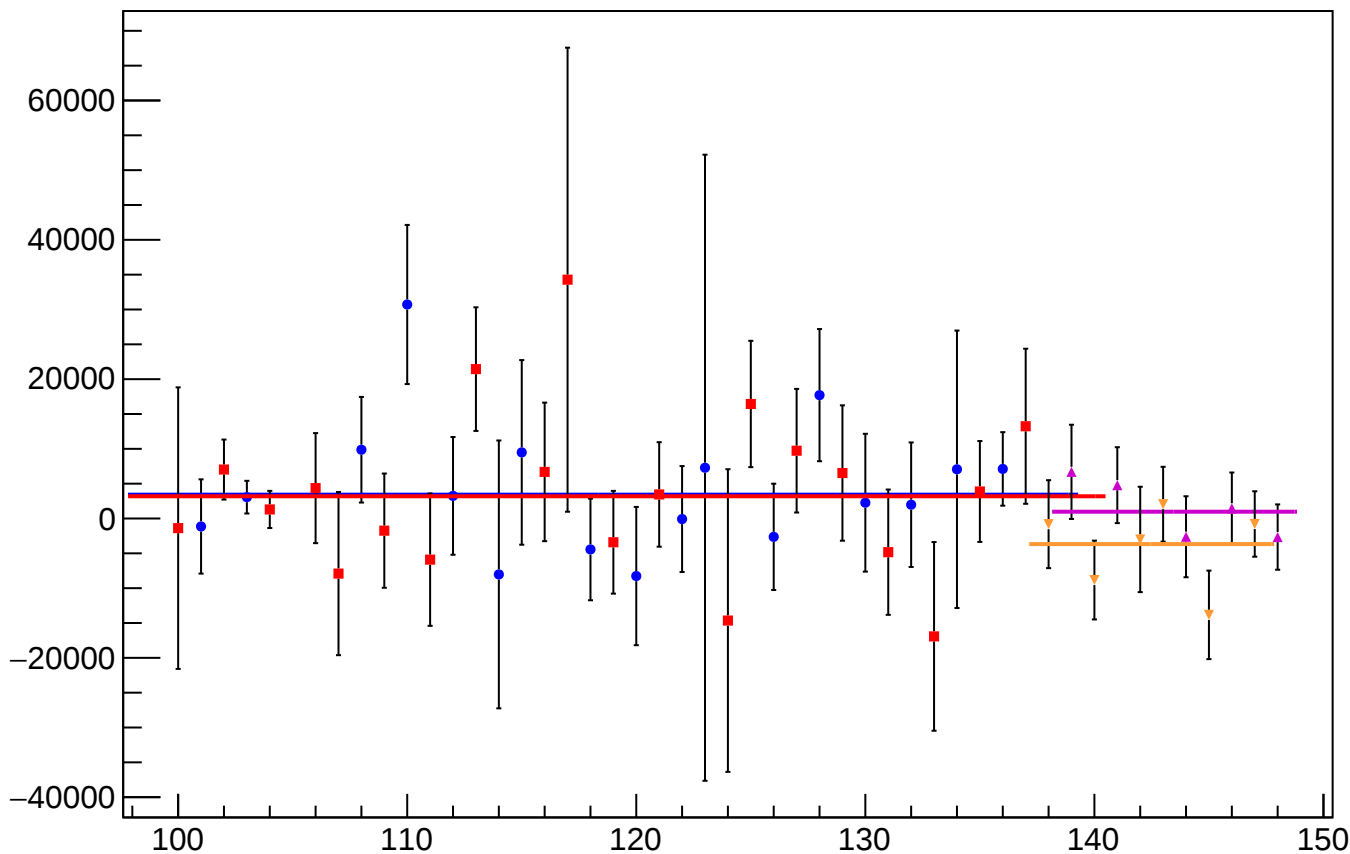
Left In: 4471.112+/-1.587 χ^2/NDF : 116227.0/4

2251.020+/-0.633 χ^2/NDF : 8860635.8/22

2208.524+/-0.440 χ^2/NDF : 17822560.7/4

2168.531+/-0.614 χ^2/NDF : 8953165.8/24

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -3672.927+/-2365.806 χ^2/NDF : 5.1/5

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

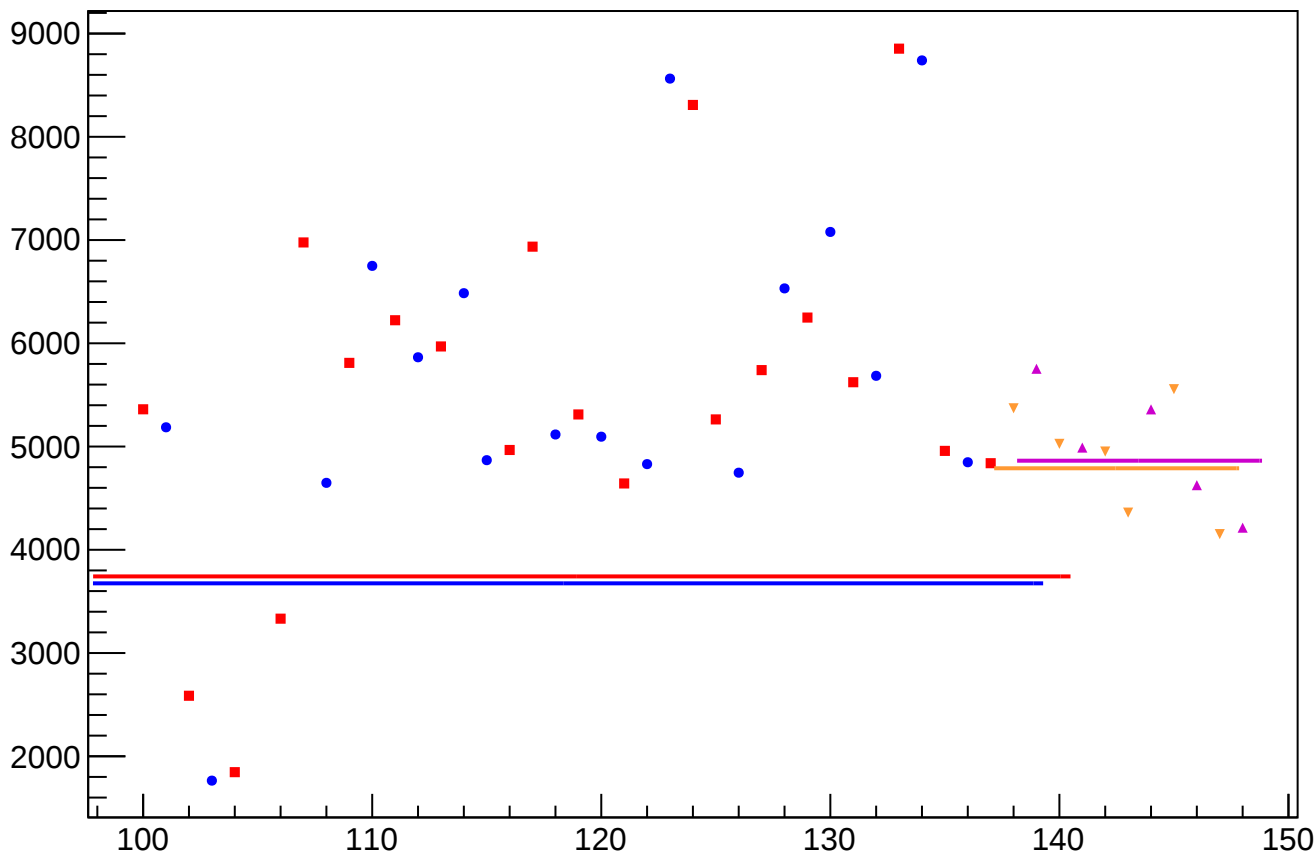
Left In: 973.829+/-2435.978 χ^2/NDF : 2.2/4

1182.083+/-1329.145 χ^2/NDF : 25.0/22

1845.651+/-943.557 χ^2/NDF : 45.1/47

2519.798+/-1339.698 χ^2/NDF : 19.6/24

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2/NDF : 2775085.7/16

Left Out: 4789.464 $\pm$ 1.673 χ^2/NDF : 100118.0/5

Right Out: 3742.124 $\pm$ 1.127 χ^2/NDF : 2712365.3/19

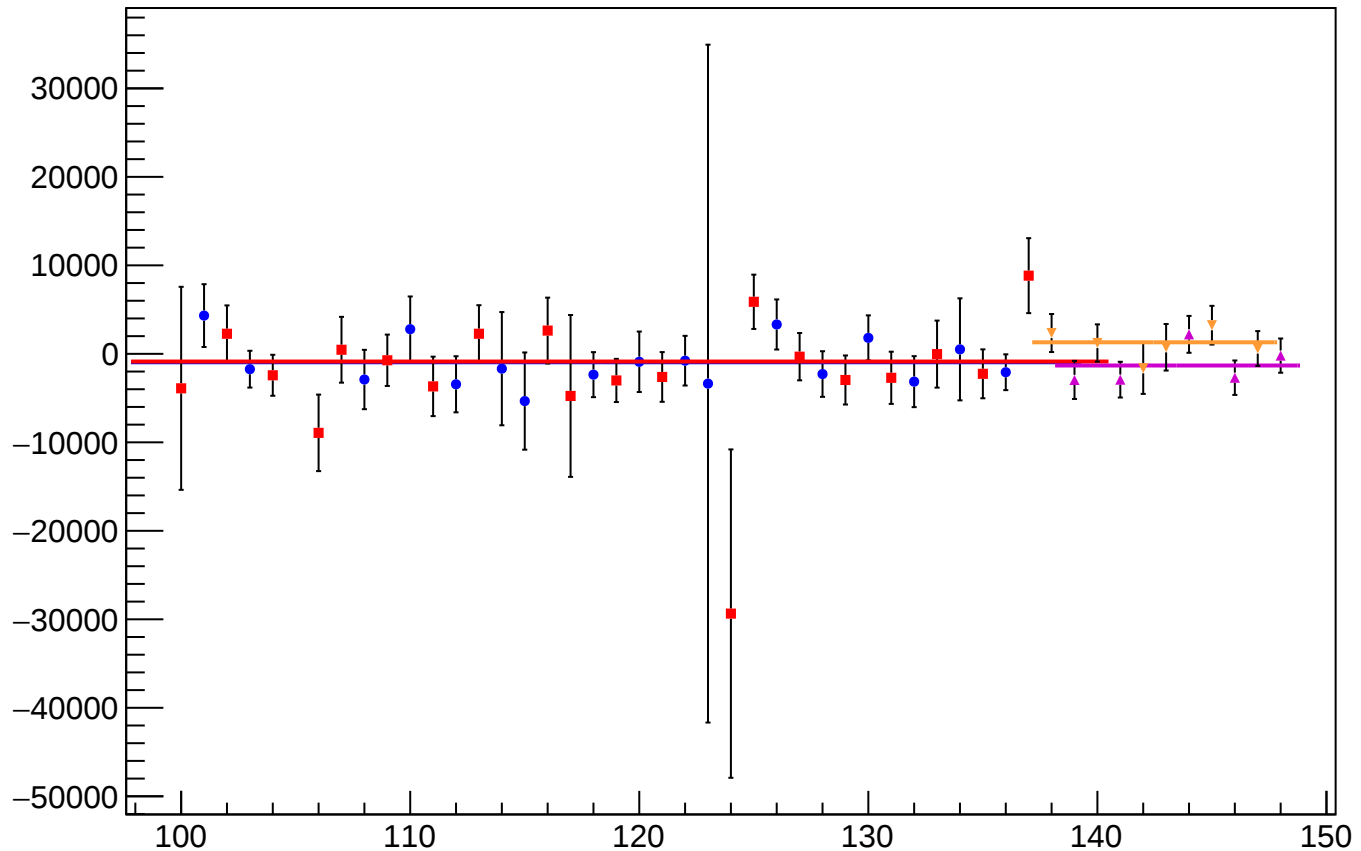
Left In: 4862.853 $\pm$ 1.722 χ^2/NDF : 92962.4/4

4026.767 $\pm$ 0.940 χ^2/NDF : 3178934.2/22

4052.282 $\pm$ 0.666 χ^2/NDF : 6282218.8/47

4077.964 $\pm$ 0.943 χ^2/NDF : 3101805.8/24

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 1304.369 ± 923.515 χ^2/NDF : 2.2/5

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

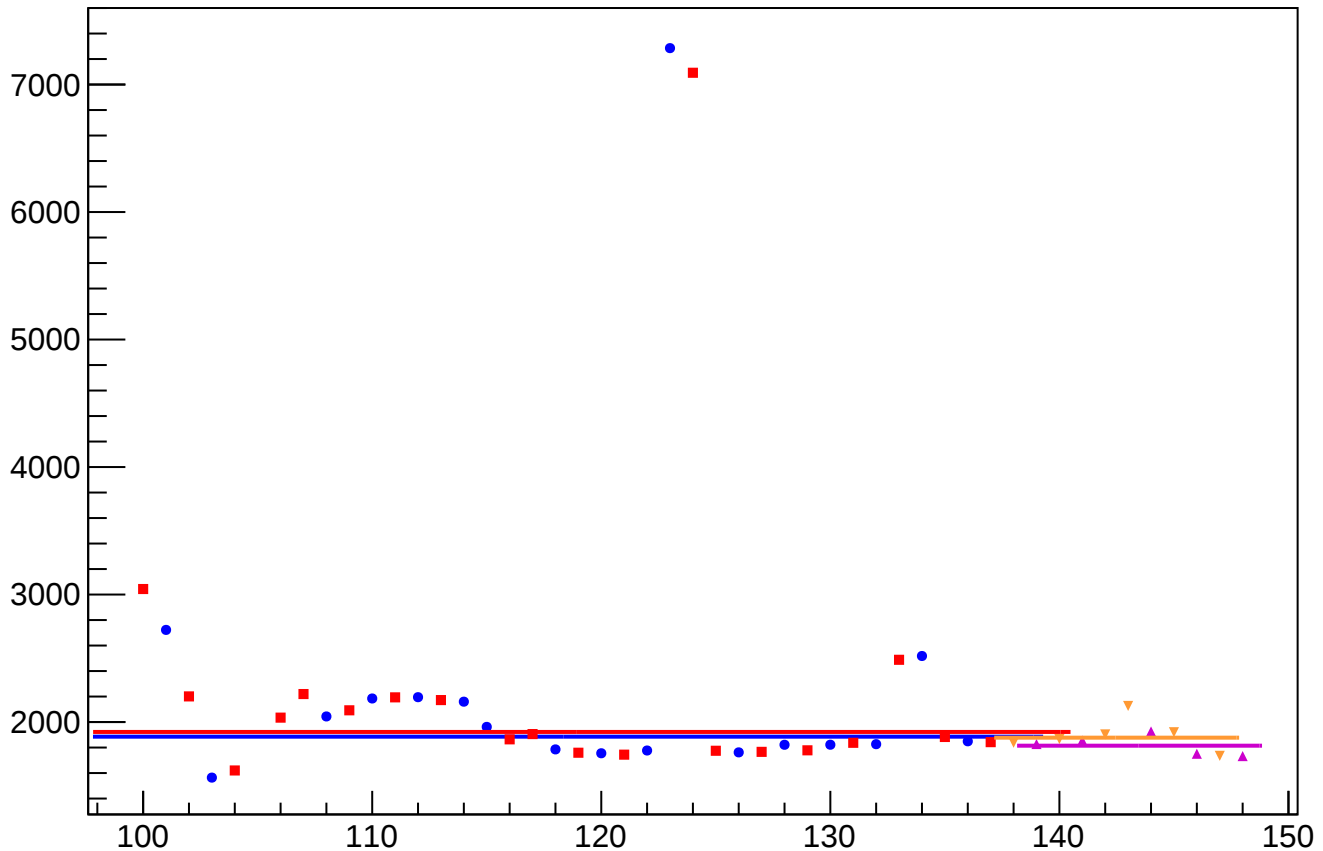
Left In: -1316.905 ± 903.972 χ^2/NDF : 4.9/4

-68.391 ± 577.798 χ^2/NDF : 15.8/22

-564.140 ± 405.905 χ^2/NDF : 45.0/47

-1047.187 ± 570.348 χ^2/NDF : 27.7/24

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360 +/- 0.524 χ^2 /NDF: 280429.0/16

Left Out: 1877.527 +/- 0.653 χ^2 /NDF: 30051.8/5

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

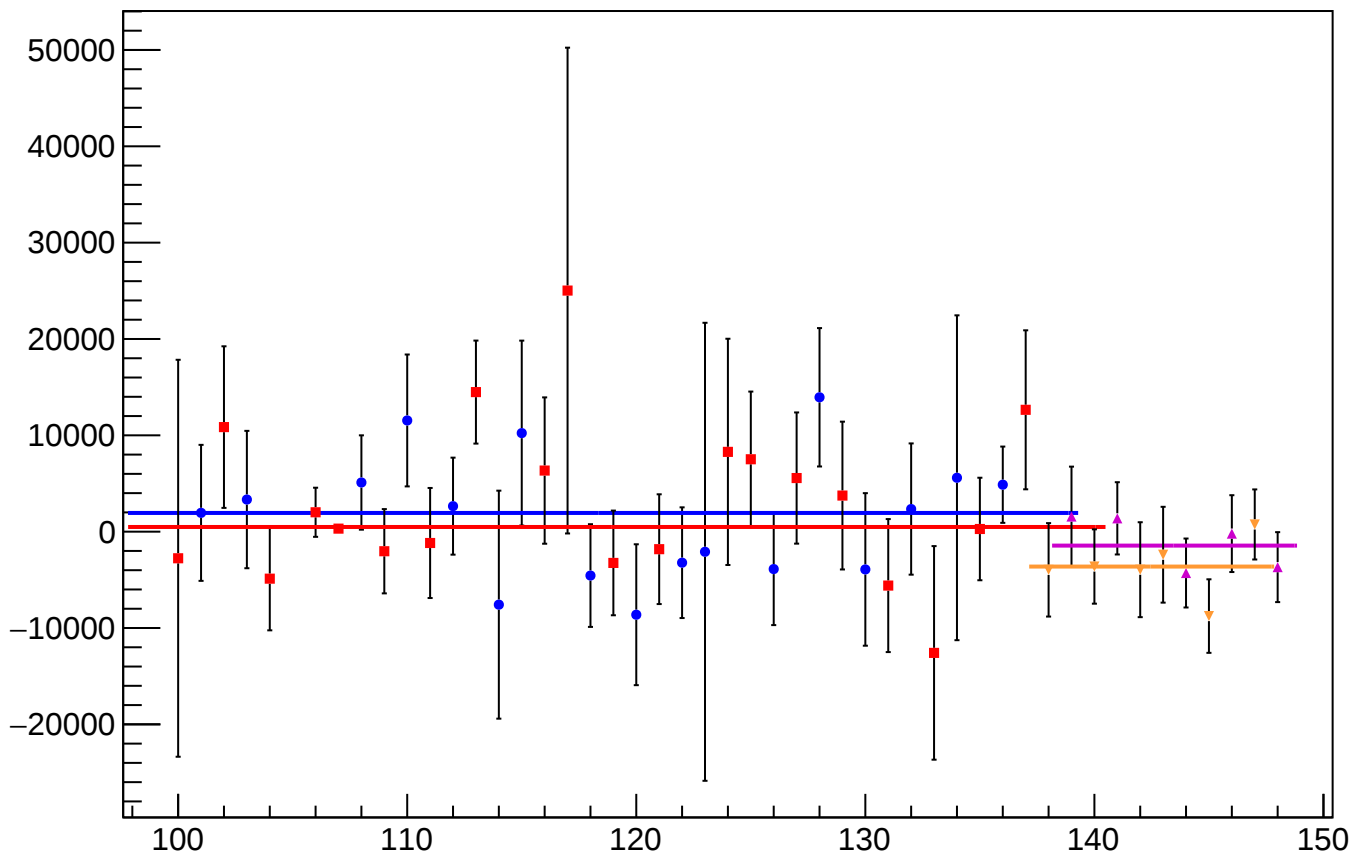
Left In: 1814.593 +/- 0.639 χ^2 /NDF: 12296.2/4

1882.294 +/- 0.409 χ^2 /NDF: 310568.4/22

1880.919 +/- 0.287 χ^2 /NDF: 691558.2/47

1879.582 +/- 0.403 χ^2 /NDF: 380967.5/24

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -3622.526+/-1726.156 χ^2/NDF : 3.3/5

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

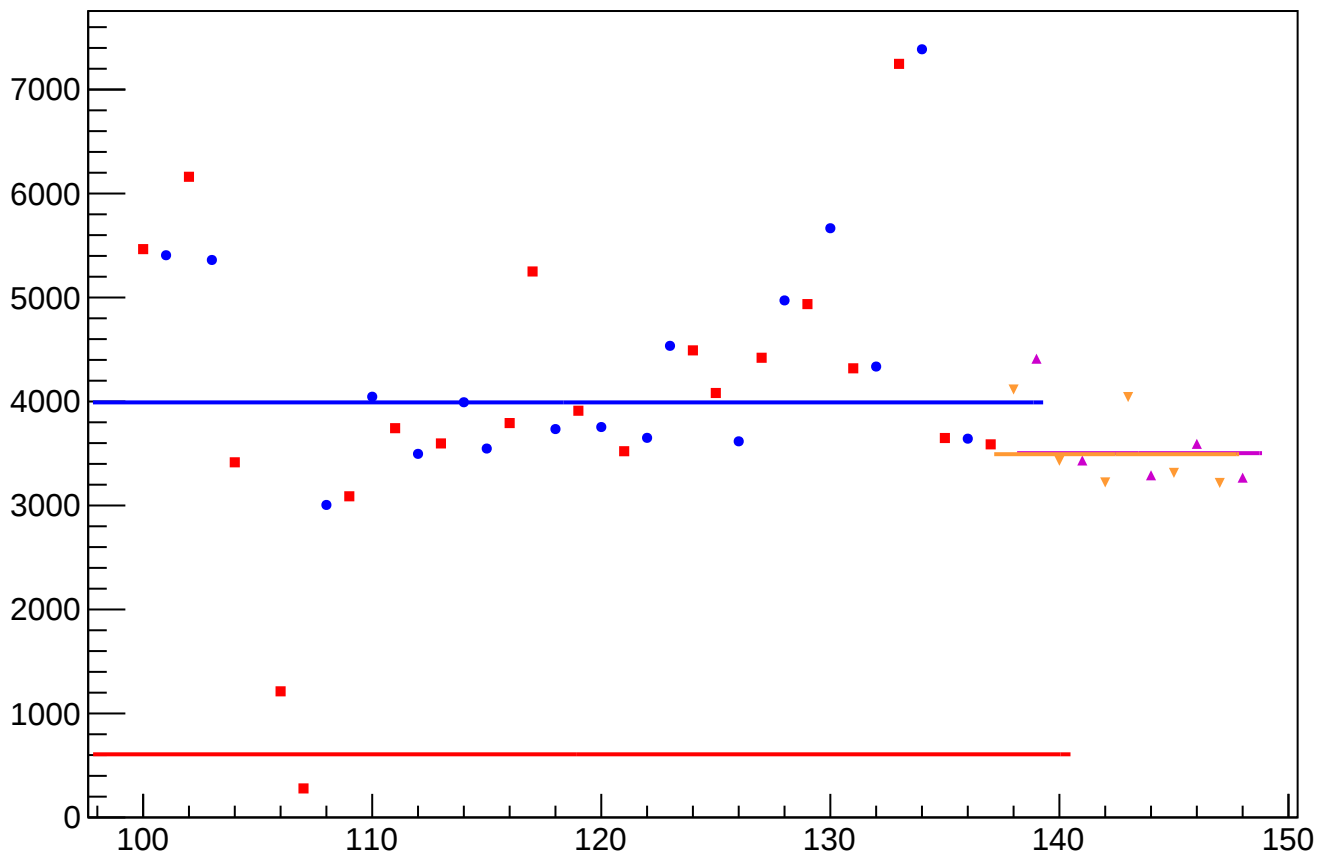
Left In: -1446.343+/-1753.591 χ^2/NDF : 2.0/4

-595.962+/-1165.905 χ^2/NDF : 22.2/22

246.071+/-410.969 χ^2/NDF : 44.9/47

365.536+/-439.156 χ^2/NDF : 22.2/24

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416 $\pm$ 1.118 χ^2/NDF : 510782.7/16

Left Out: 3493.299 $\pm$ 1.221 χ^2/NDF : 79926.8/5

Right Out: 607.234 $\pm$ 0.321 χ^2/NDF : 10314440.1/19

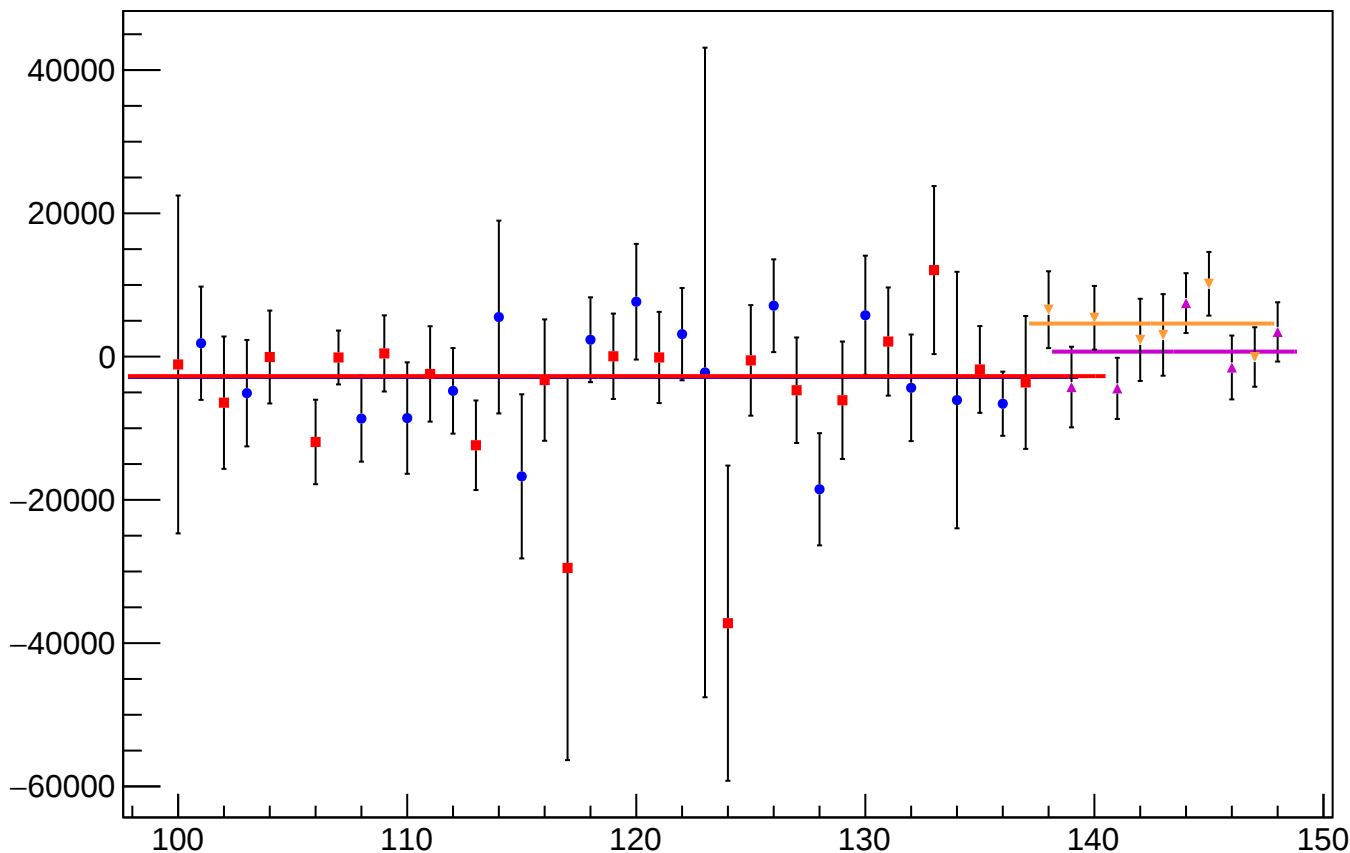
Left In: 3503.340 $\pm$ 1.240 χ^2/NDF : 78676.7/4

3764.169 $\pm$ 0.824 χ^2/NDF : 681275.1/22

1158.546 $\pm$ 0.291 χ^2/NDF : 27593692.3/4

788.868 $\pm$ 0.311 χ^2/NDF : 15506084.3/24

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599 ± 1786.019 χ^2/NDF : 15.4/16

Left Out: 4613.953 ± 1979.354 χ^2/NDF : 3.2/5

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

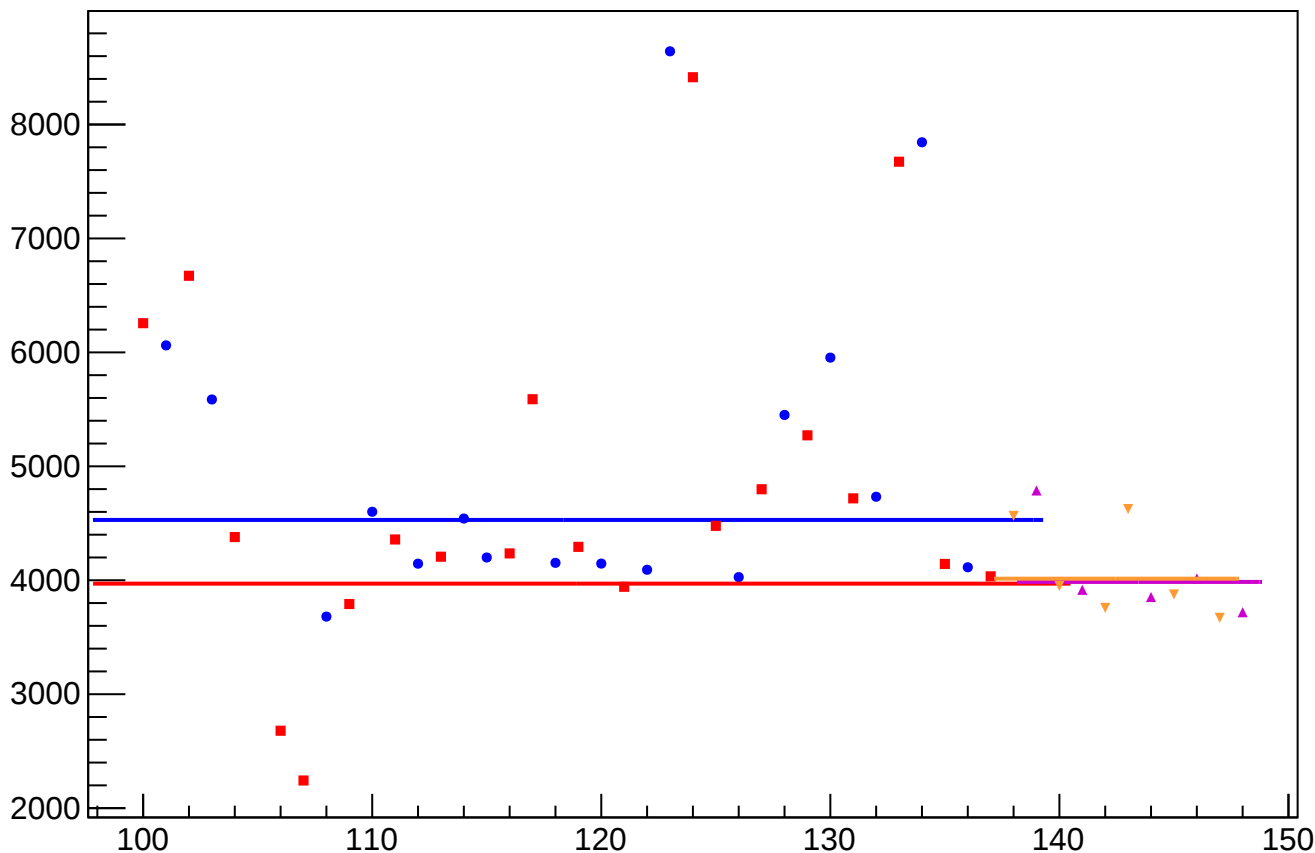
Left In: 691.877 ± 1990.502 χ^2/NDF : 5.5/4

505.478 ± 1326.004 χ^2/NDF : 26.5/22

-523.658 ± 903.292 χ^2/NDF : 47.1/47

-1414.737 ± 1233.862 χ^2/NDF : 19.5/24

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4014.077 $\pm$ 1.400 χ^2 /NDF: 64197.3/5

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

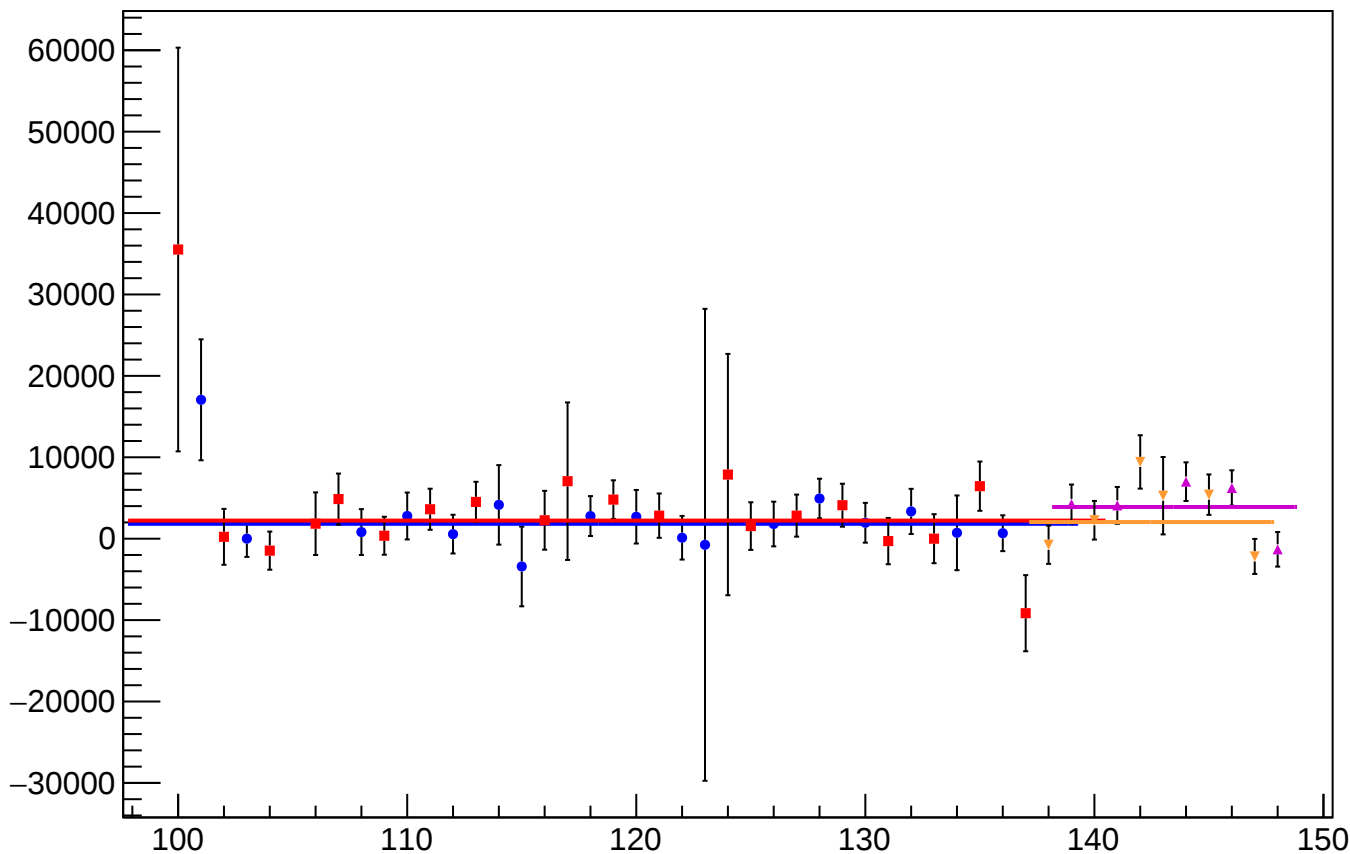
Left In: 3985.443 $\pm$ 1.407 χ^2 /NDF: 51601.1/4

4298.162 $\pm$ 0.938 χ^2 /NDF: 528265.3/22

4124.919 $\pm$ 0.637 χ^2 /NDF: 179115.8/47

3976.095 $\pm$ 0.869 χ^2 /NDF: 1199384.3/24

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 2044.322+/-1069.551 χ^2/NDF :12.6/5

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

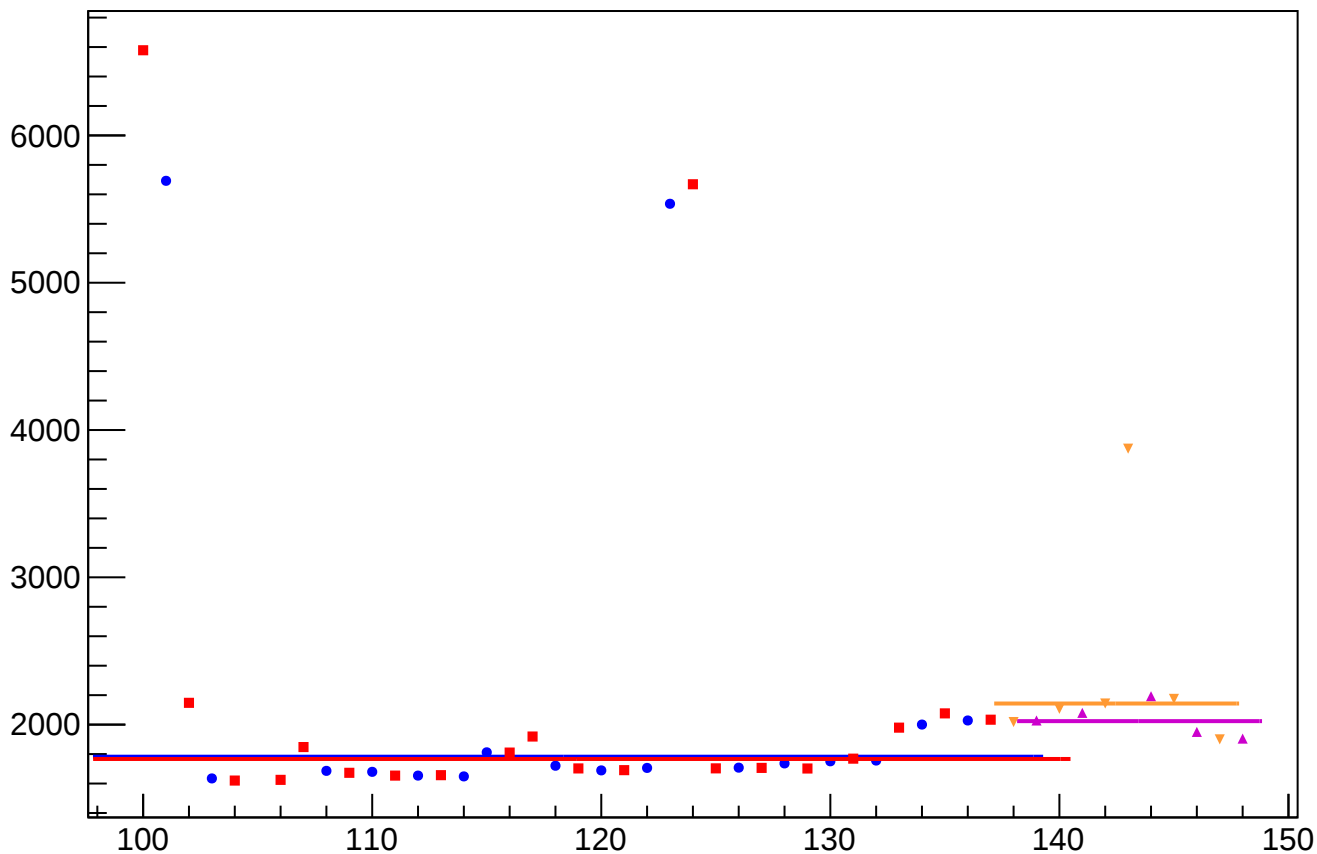
Left In: 3895.431+/-1008.827 χ^2/NDF :8.9/4

1895.798+/-592.301 χ^2/NDF : 22.3/22

2341.575+/-408.935 χ^2/NDF : 52.8/47

2747.618+/-565.288 χ^2/NDF : 29.4/24

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2143.219+/-0.756 χ^2/NDF : 297095.5/5

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

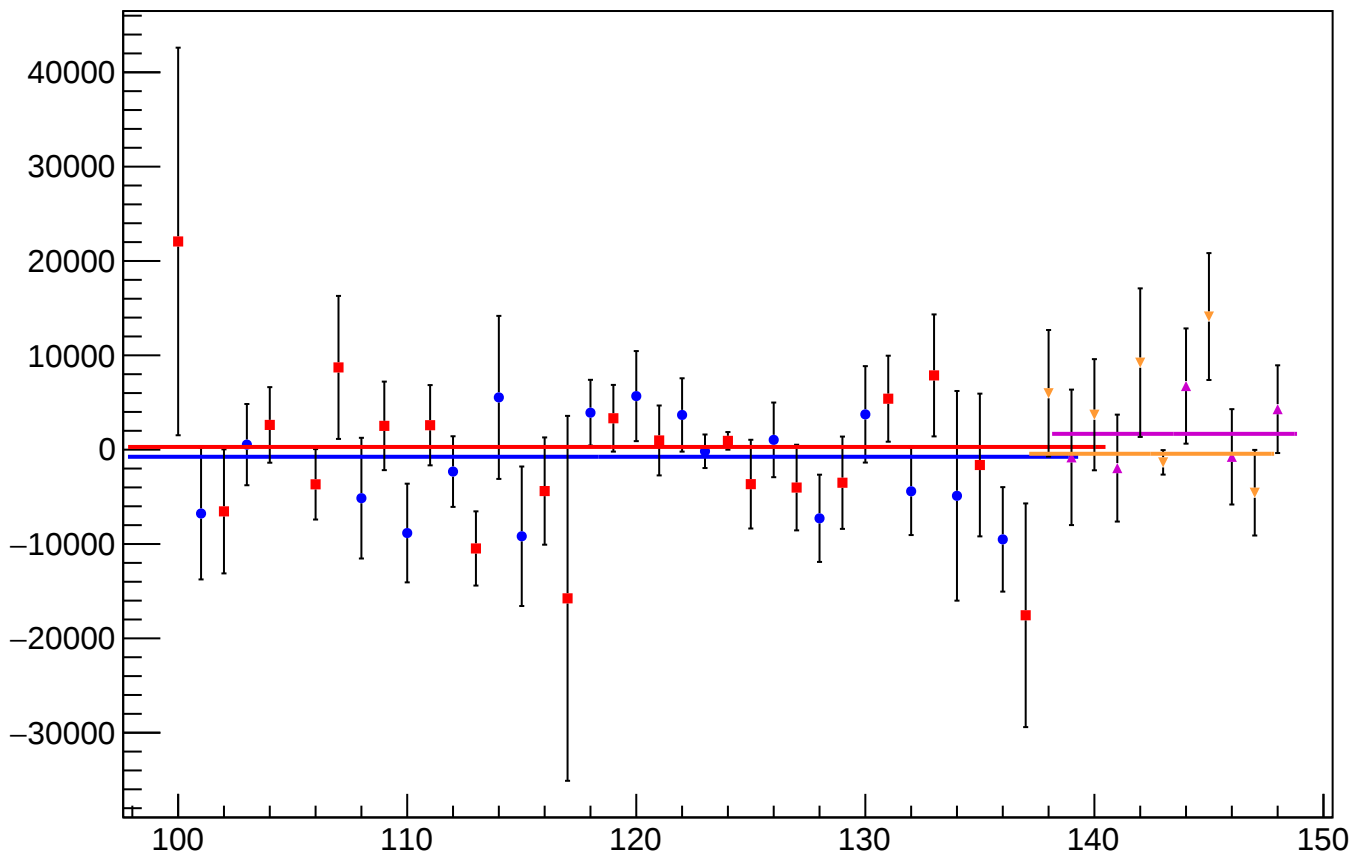
Left In: 2023.632+/-0.713 χ^2/NDF : 19881.9/4

1892.872+/-0.419 χ^2/NDF : 1100327.4/22

1868.565+/-0.288 χ^2/NDF : 1523278.0/47

1846.631+/-0.398 χ^2/NDF : 416542.6/24

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428 $\pm$ 1008.523 χ^2 /NDF: 16.9/16

Left Out: -434.658 $\pm$ 1169.968 χ^2 /NDF: 8.9/5

Right Out: 288.847 $\pm$ 724.622 χ^2 /NDF: 22.7/19

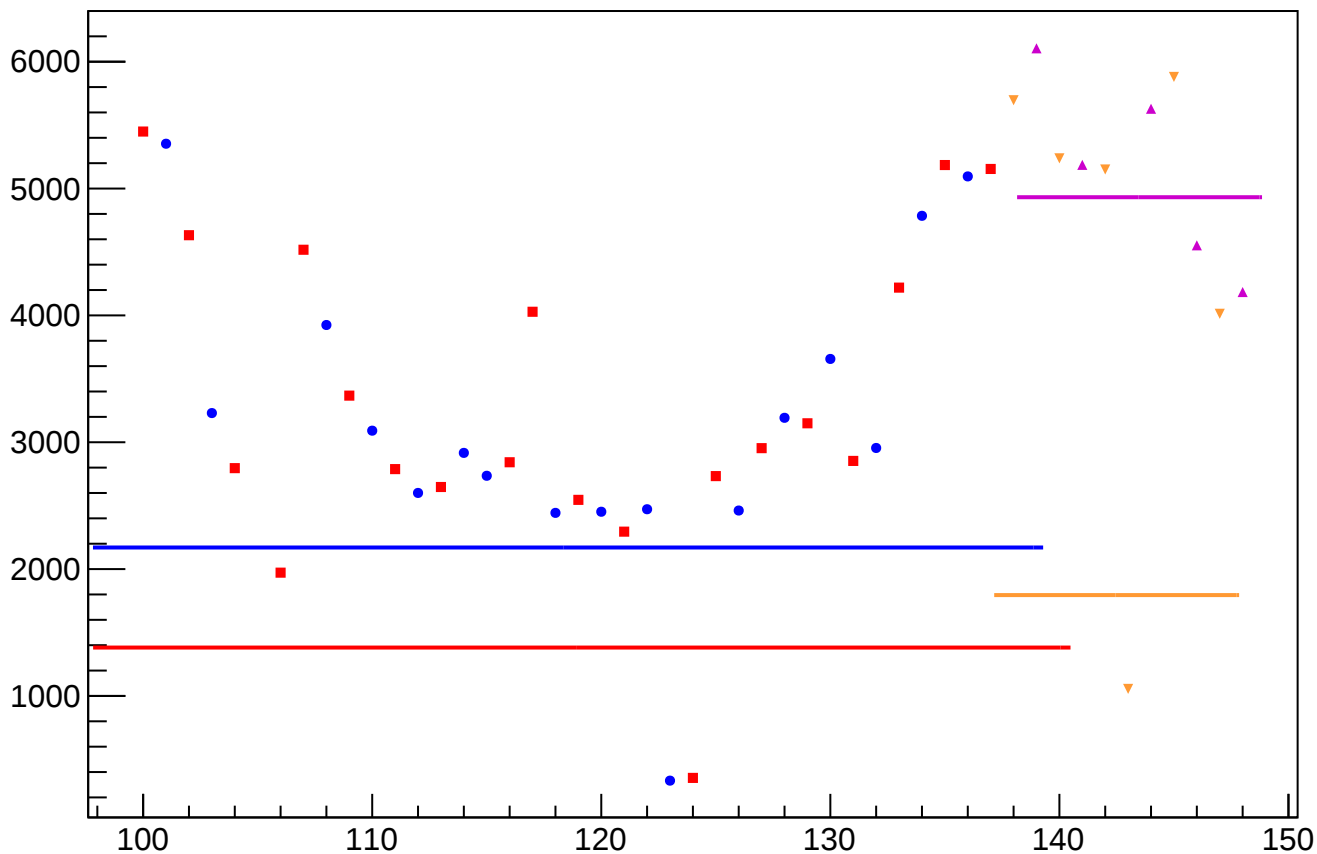
Left In: 1678.079 $\pm$ 2478.781 χ^2 /NDF: 1.8/4

-617.537 $\pm$ 763.888 χ^2 /NDF: 25.9/22

-62.174 $\pm$ 514.280 χ^2 /NDF: 51.6/47

398.220 $\pm$ 695.513 χ^2 /NDF: 24.7/24

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 1795.043+/-0.827 χ^2/NDF : 3588184.9/5

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

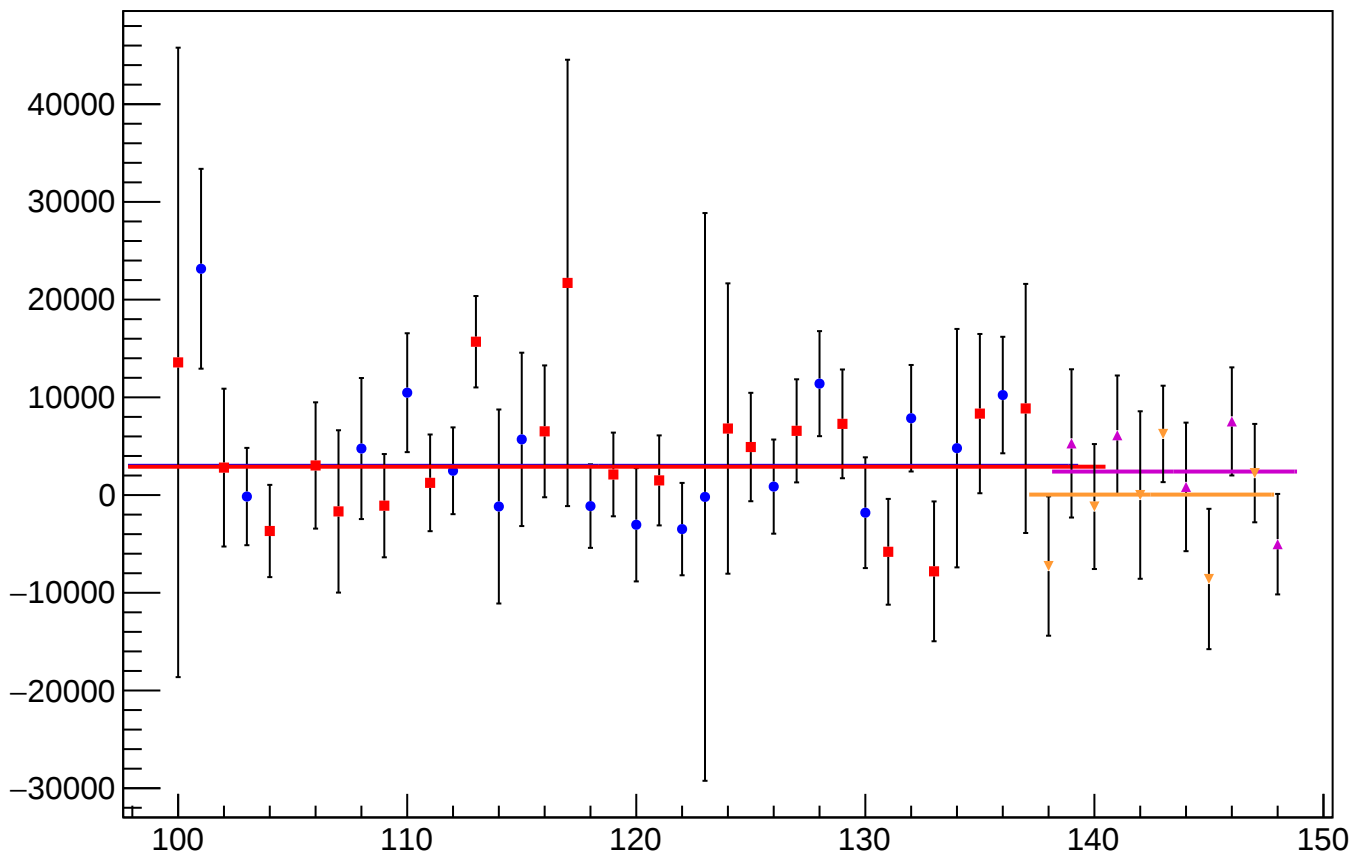
Left In: 4931.706+/-1.753 χ^2/NDF : 146561.3/4

2010.296+/-0.540 χ^2/NDF : 7679913.0/22

1819.290+/-0.364 χ^2/NDF : 18719754.8/4

1660.947+/-0.492 χ^2/NDF : 10811135.8/24

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 48.359 $\pm$ 2518.484 χ^2 /NDF: 4.3/5

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

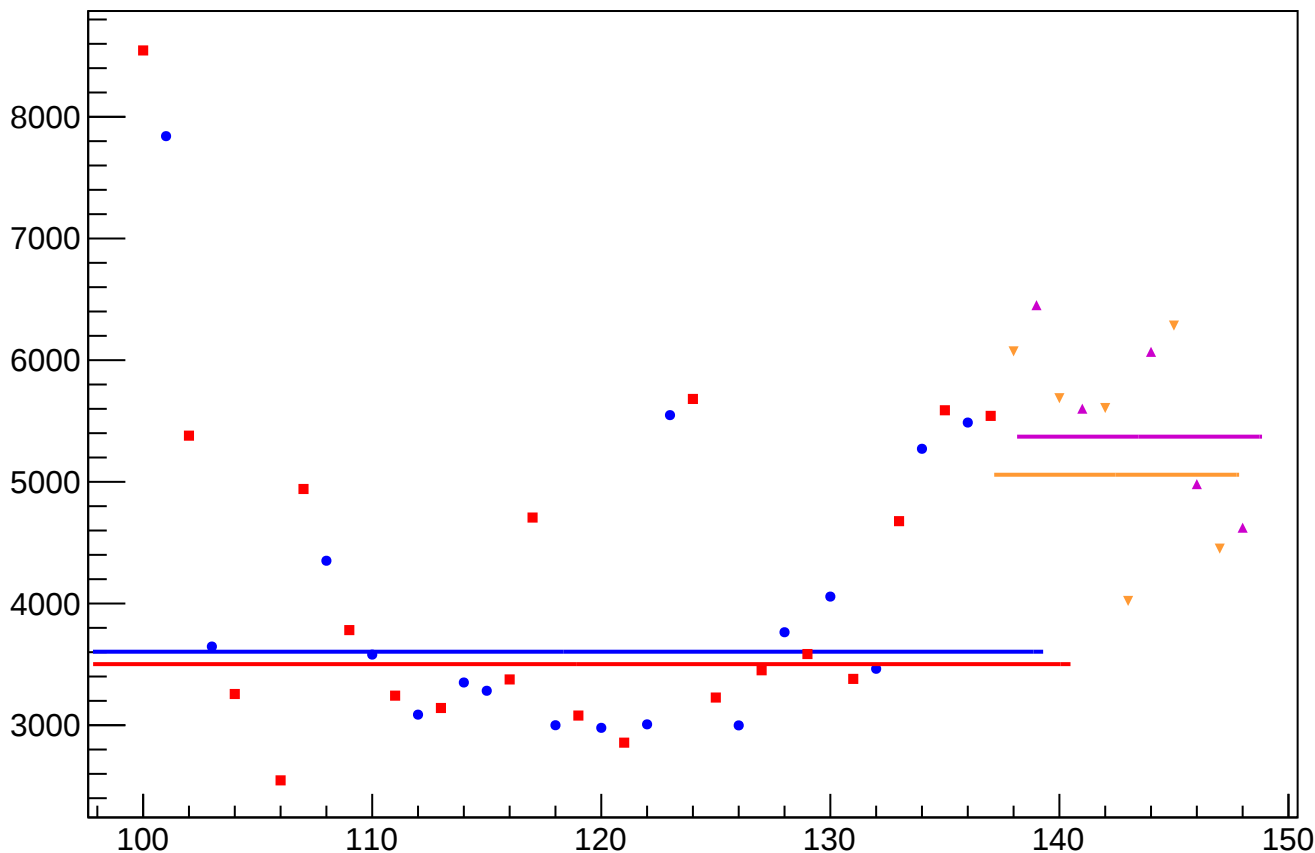
Left In: 2405.248 $\pm$ 2694.400 χ^2 /NDF: 3.5/4

2261.886 $\pm$ 1254.794 χ^2 /NDF: 21.0/22

2536.787 $\pm$ 876.869 χ^2 /NDF: 43.1/47

2799.161 $\pm$ 1225.873 χ^2 /NDF: 22.0/24

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 +/- 1.023 χ^2/NDF : 784674.5/16

Left Out: 5058.412 +/- 1.781 χ^2/NDF : 243727.1/5

Right Out: 3501.857 +/- 0.960 χ^2/NDF : 667483.1/19

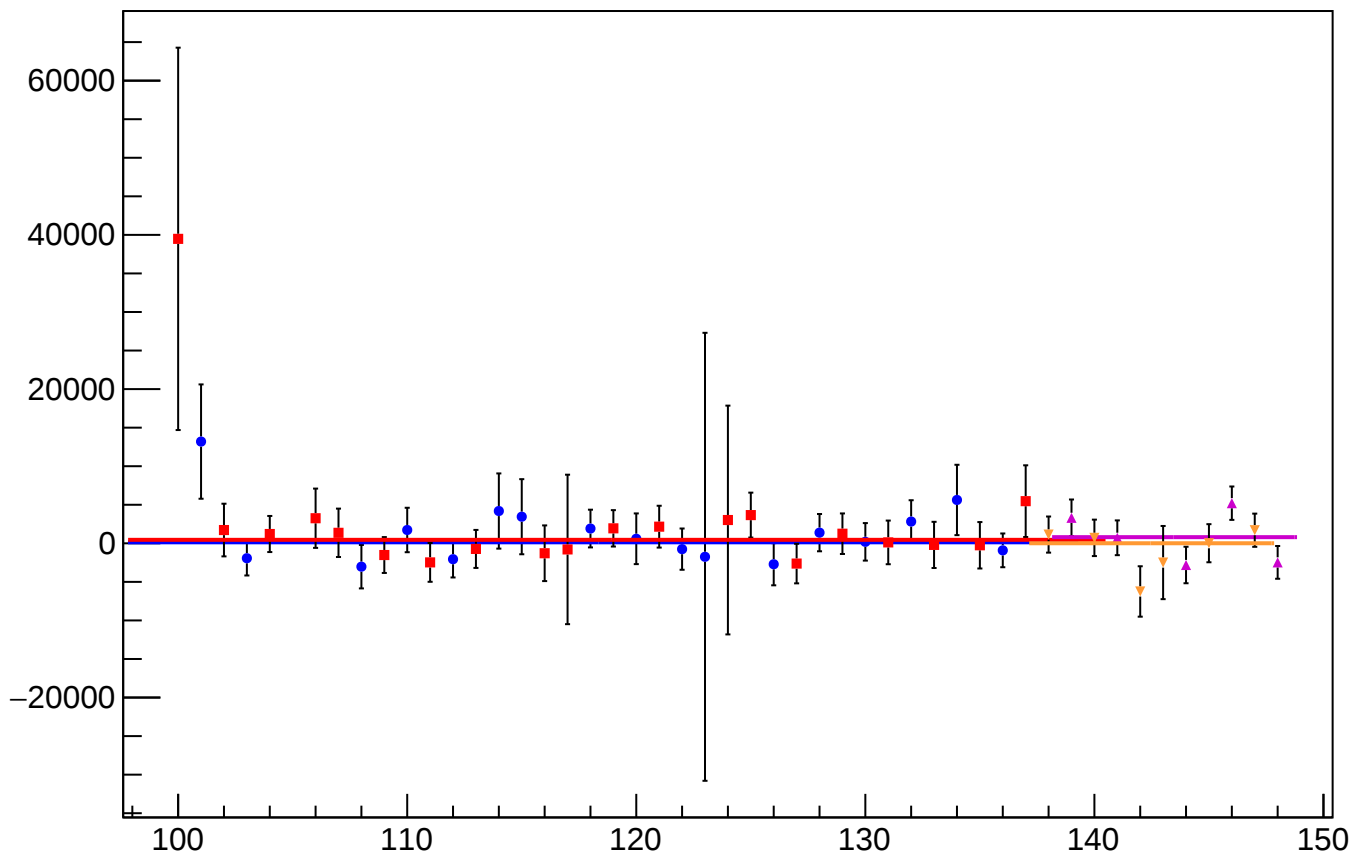
Left In: 5371.457 +/- 1.905 χ^2/NDF : 118161.8/4

3964.982 +/- 0.887 χ^2/NDF : 1529878.4/22

3921.222 +/- 0.617 χ^2/NDF : 3088218.8/47

3880.372 +/- 0.857 χ^2/NDF : 1553637.2/24

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 8.868 $\pm$ 1066.553 χ^2 /NDF: 4.9/5

Right Out: 452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

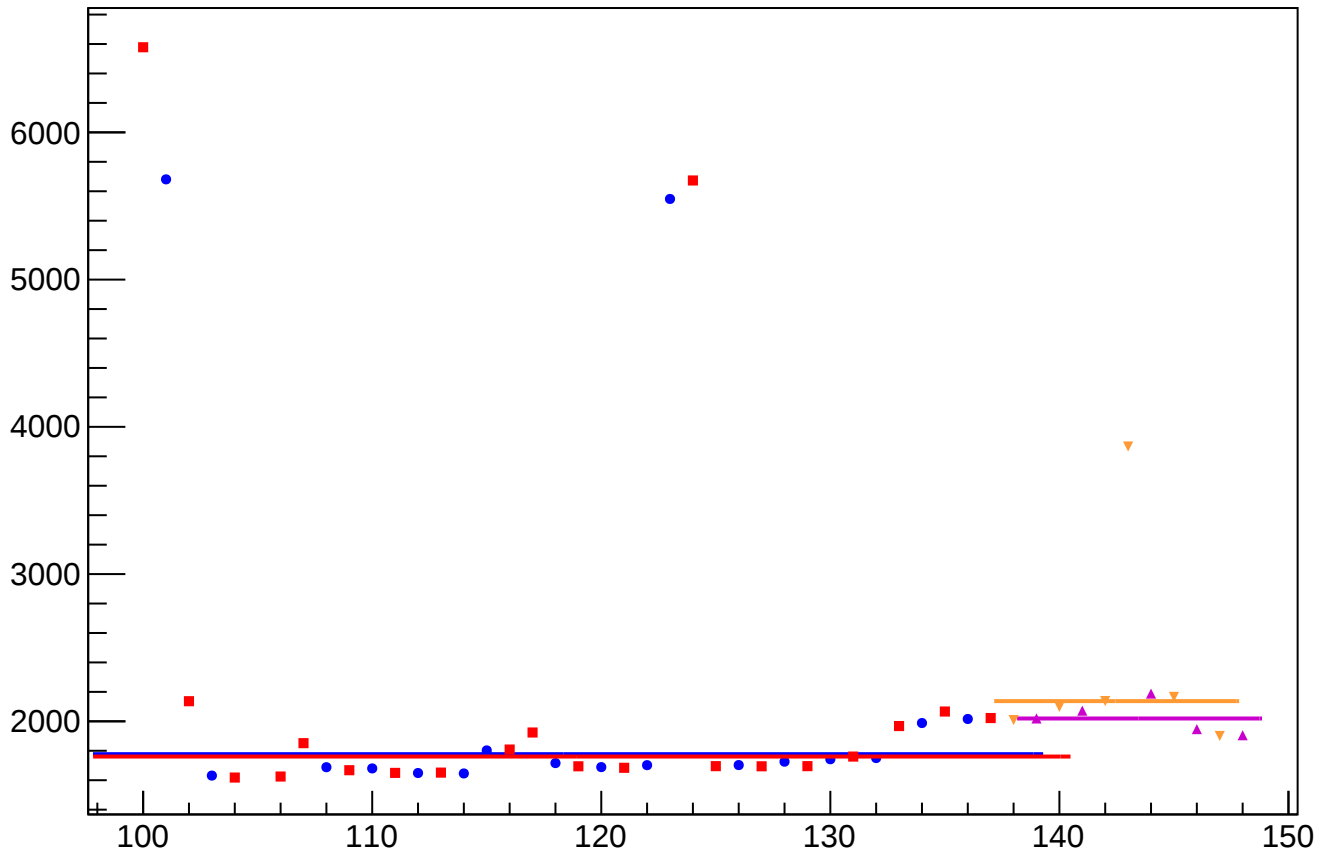
Left In: 799.710 $\pm$ 1006.554 χ^2 /NDF: 10.0/4

93.495 $\pm$ 590.563 χ^2 /NDF: 17.0/22

338.493 $\pm$ 407.709 χ^2 /NDF: 38.1/47

561.598 $\pm$ 563.559 χ^2 /NDF: 20.8/24

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879 ± 0.501 χ^2/NDF : 643576.8/16

Left Out: 2137.267 ± 0.754 χ^2/NDF : 296650.4/5

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

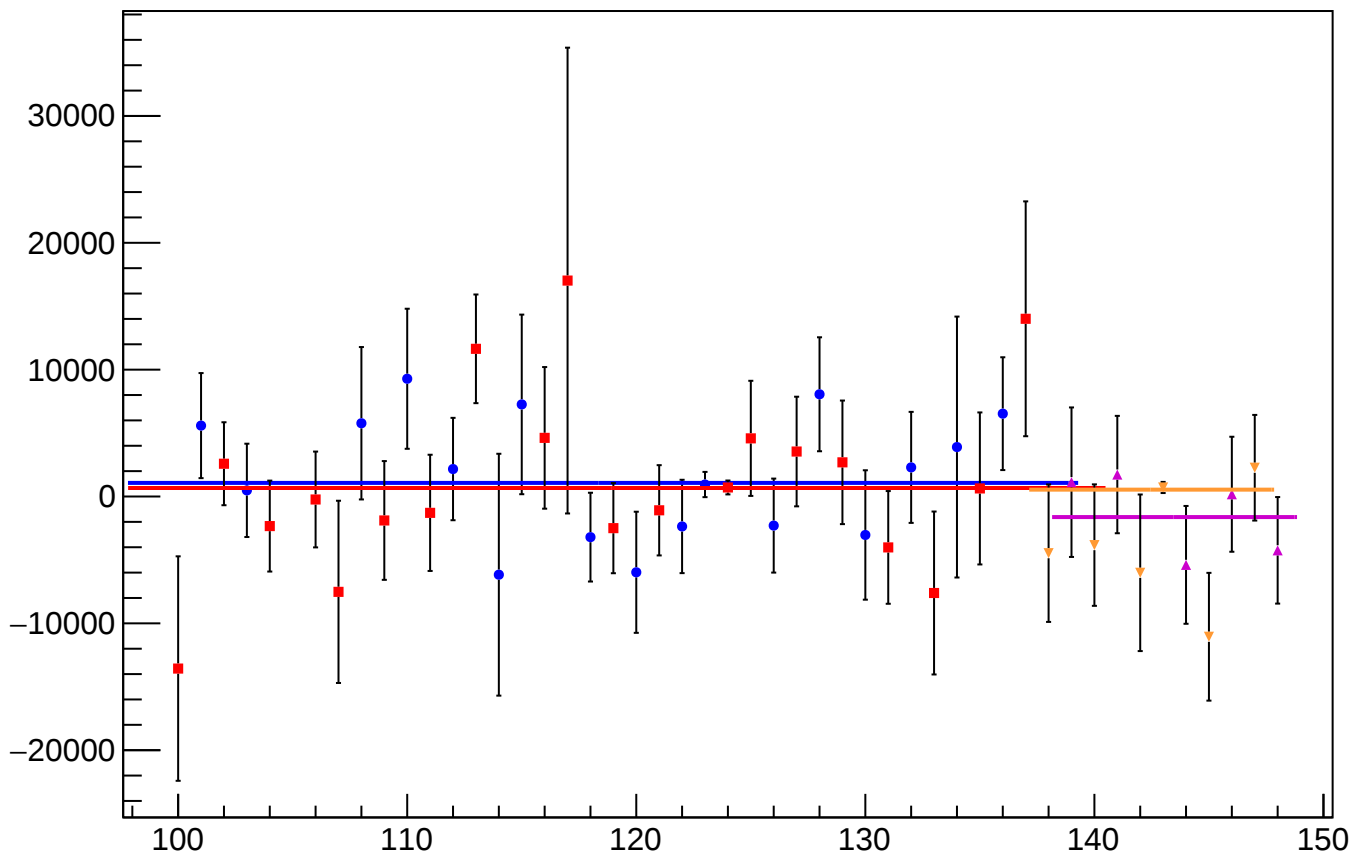
Left In: 2019.234 ± 0.712 χ^2/NDF : 19263.0/4

1887.372 ± 0.418 χ^2/NDF : 1098567.4/22

1863.020 ± 0.288 χ^2/NDF : 1521930.1/47

1841.050 ± 0.397 χ^2/NDF : 416894.0/24

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 540.500+/-430.646 χ^2/NDF : 8.4/5

Right Out: 670.313+/-487.861 χ^2/NDF : 20.6/19

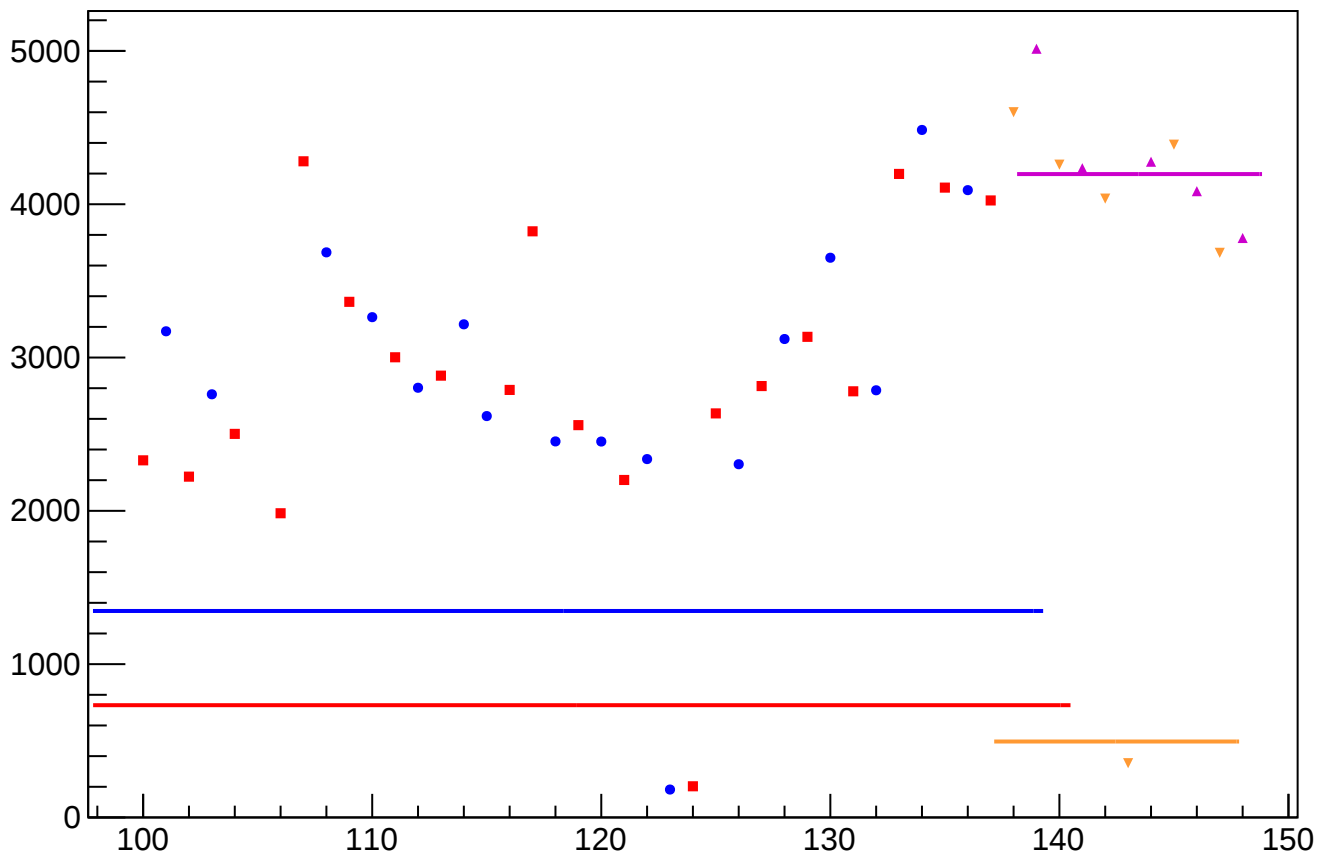
Left In: -1621.635+/-2097.818 χ^2/NDF : 1.9/4

671.733+/-373.740 χ^2/NDF : 24.4/22

626.247+/-293.763 χ^2/NDF : 48.1/47

552.718+/-475.181 χ^2/NDF : 23.7/24

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 +/- 0.532 χ^2/NDF : 6839112.6/16

Left Out: 495.373 +/- 0.305 χ^2/NDF : 5616088.6/5

Right Out: 732.303 +/- 0.345 χ^2/NDF : 9559853.6/19

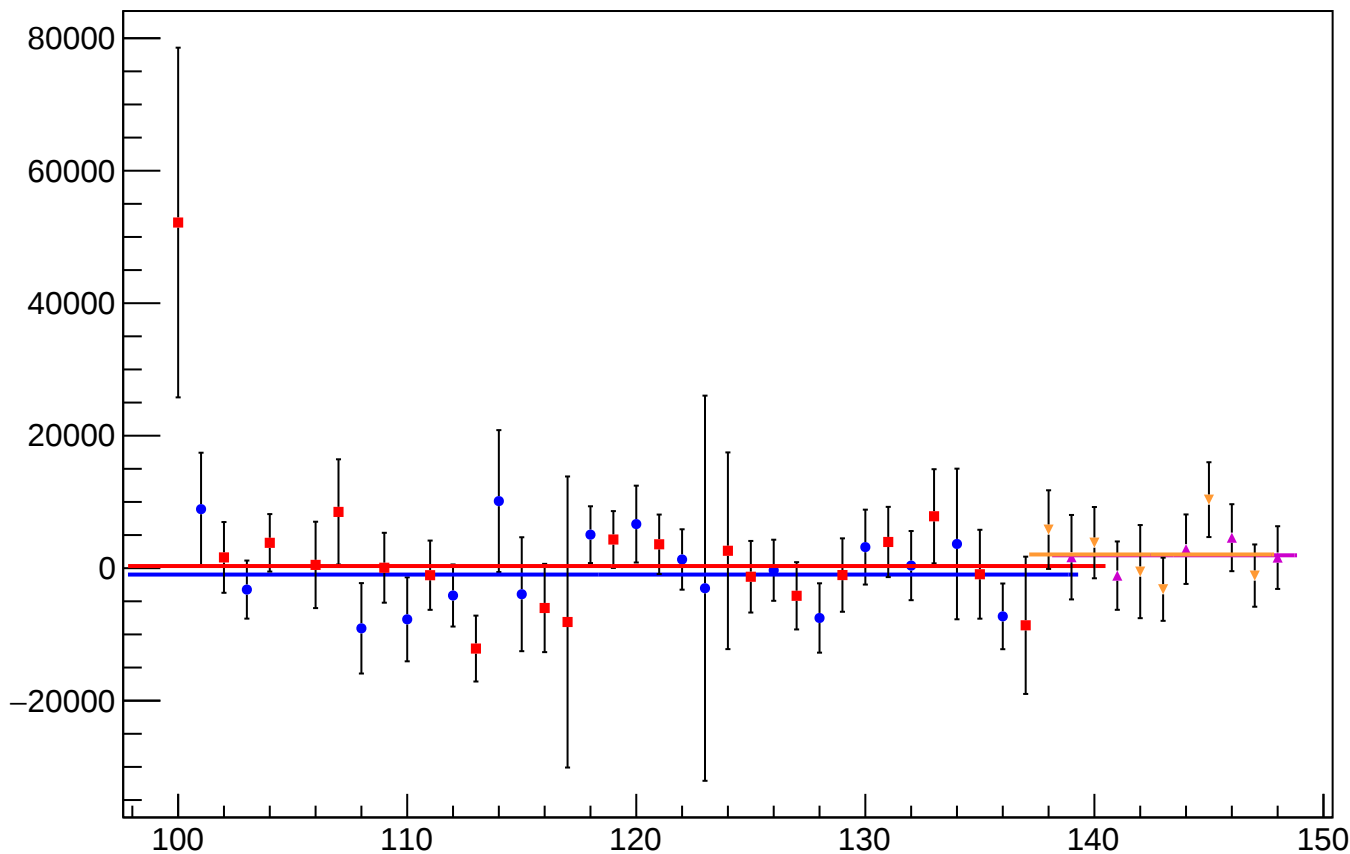
Left In: 4196.755 +/- 1.483 χ^2/NDF : 60151.9/4

705.531 +/- 0.264 χ^2/NDF : 14384951.7/22

783.698 +/- 0.208 χ^2/NDF : 29408607.9/47

910.056 +/- 0.336 χ^2/NDF : 14794748.2/24

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 2068.825 ± 2215.410 χ^2/NDF : 4.5/5

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

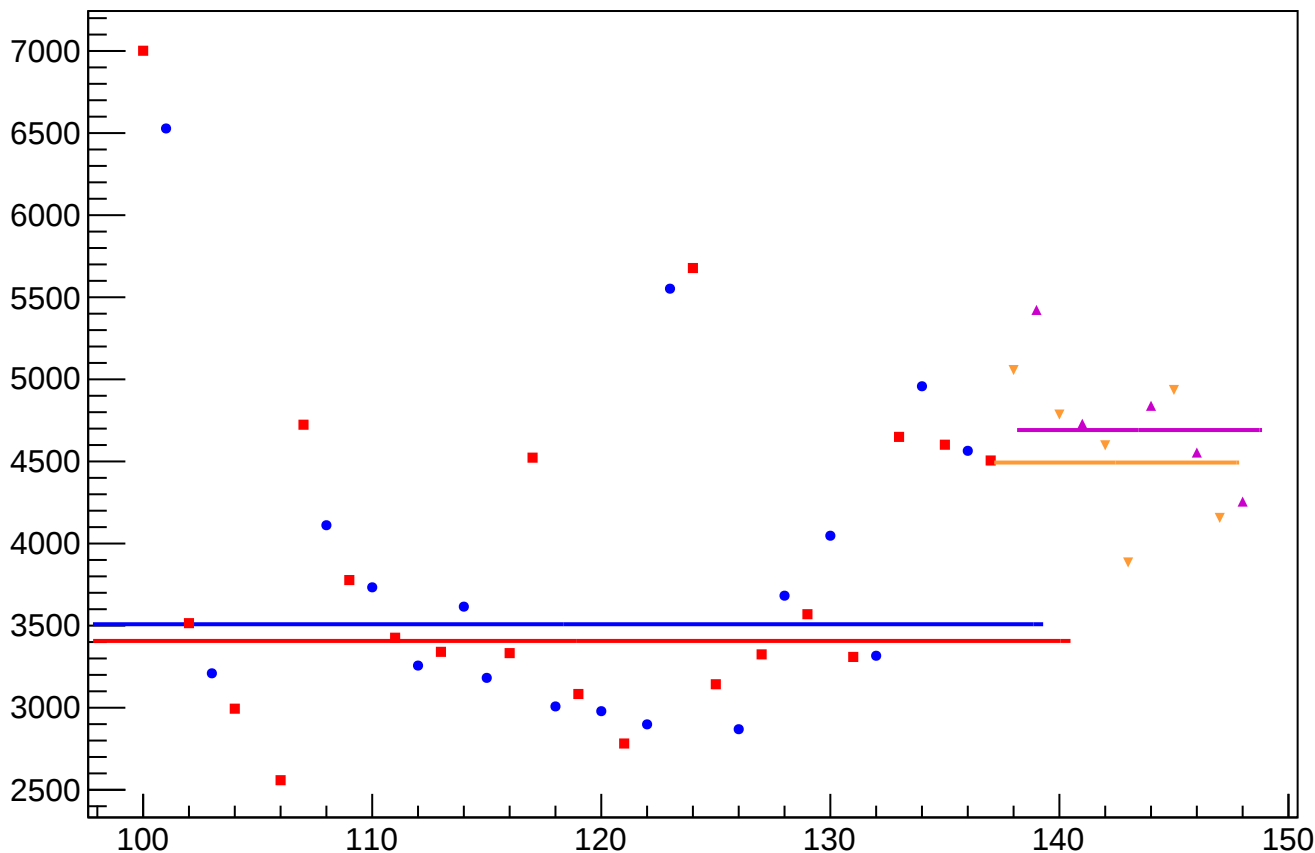
Left In: 1943.891 ± 2342.228 χ^2/NDF : 0.7/4

-102.467 ± 1180.847 χ^2/NDF : 19.5/22

316.678 ± 825.619 χ^2/NDF : 38.6/47

717.532 ± 1154.793 χ^2/NDF : 18.8/24

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4493.402+/-1.567 χ^2/NDF : 79489.4/5

Right Out: 3406.868+/-0.926 χ^2/NDF : 433737.9/19

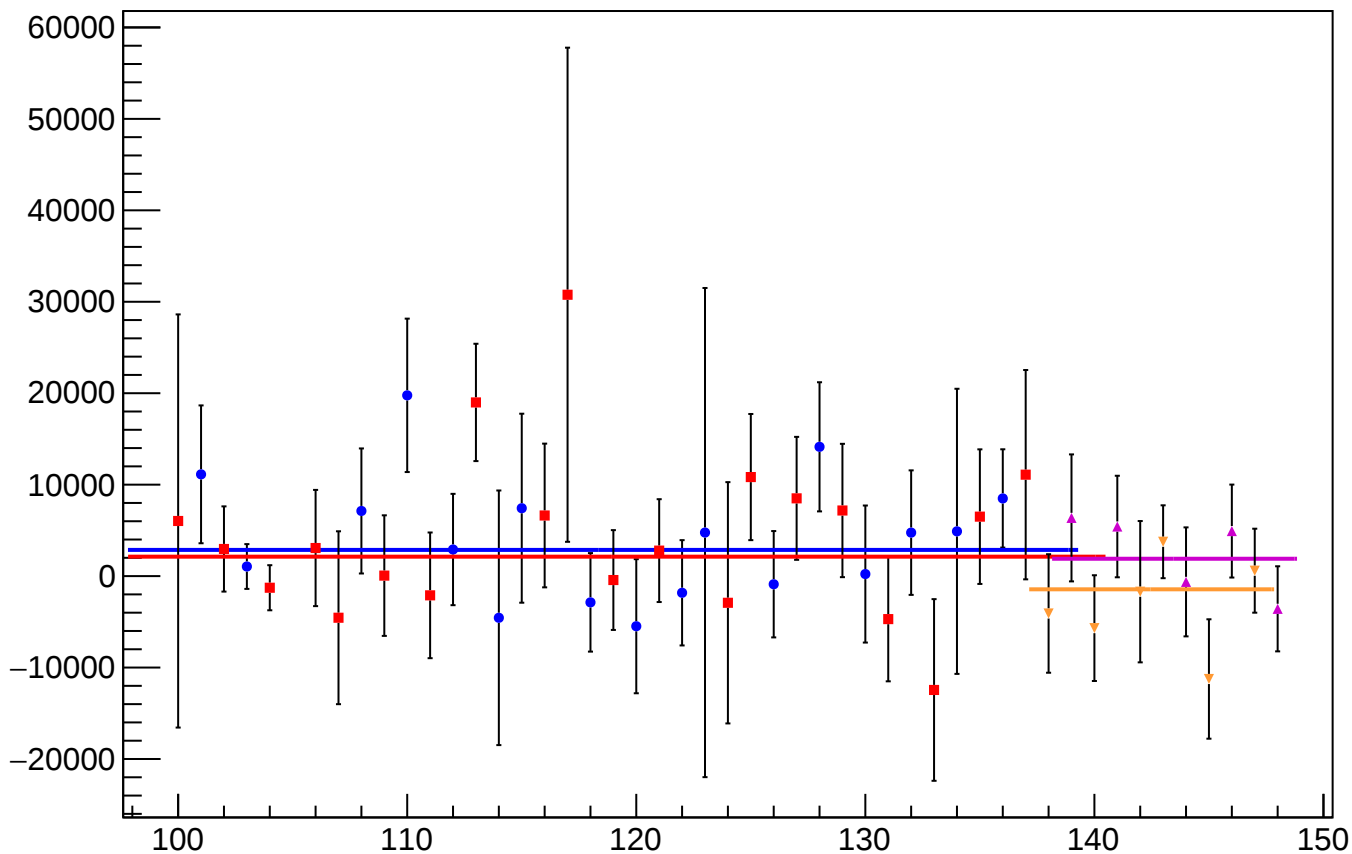
Left In: 4691.322+/-1.656 χ^2/NDF : 46465.7/4

3788.301+/-0.835 χ^2/NDF : 924678.7/22

3749.439+/-0.581 χ^2/NDF : 1867192.7/47

3712.999+/-0.809 χ^2/NDF : 938316.7/24

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: -1444.541 $\pm$ 2212.124 χ^2 /NDF: 4.9/5

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

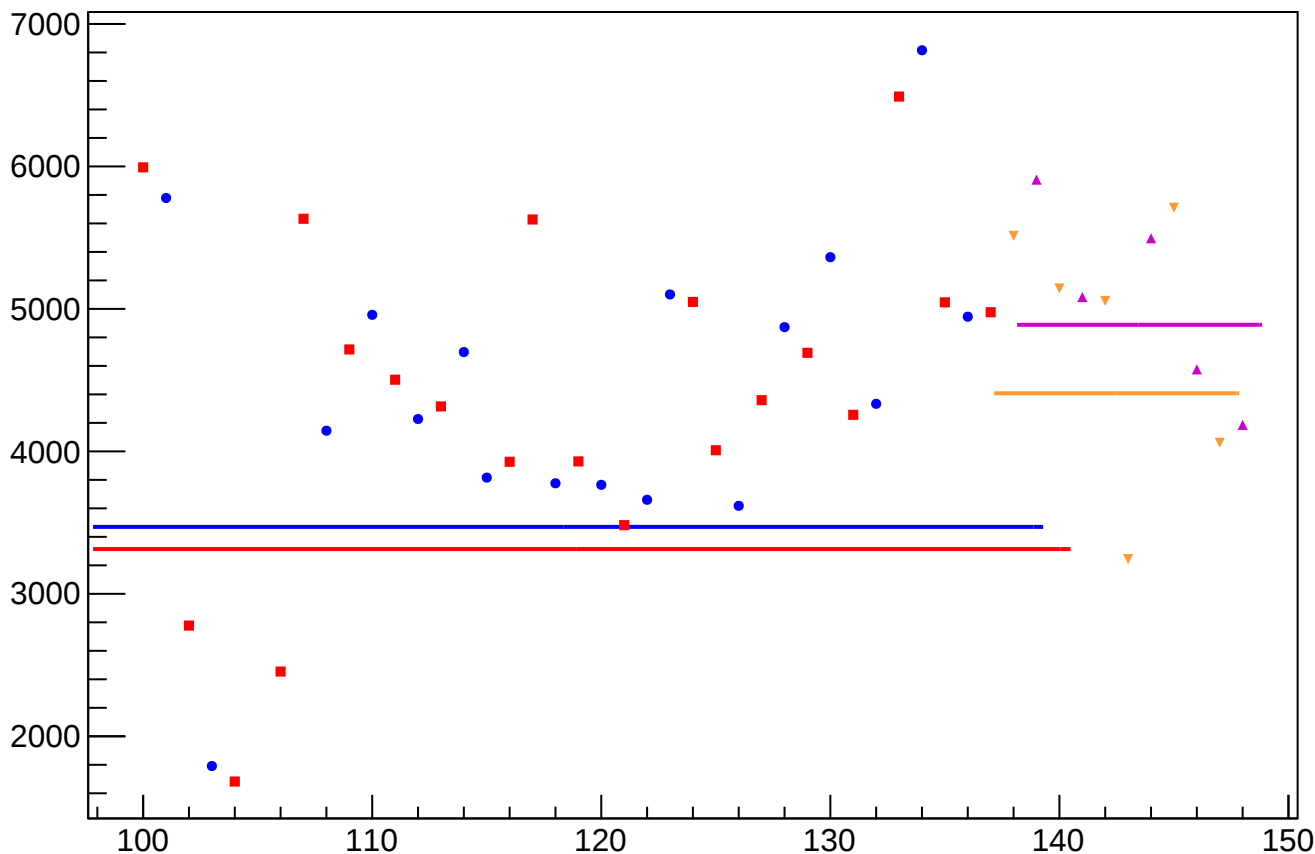
Left In: 1898.107 $\pm$ 2452.458 χ^2 /NDF: 2.7/4

1566.377 $\pm$ 1214.252 χ^2 /NDF: 21.6/22

1821.283 $\pm$ 854.428 χ^2 /NDF: 43.2/47

2071.288 $\pm$ 1202.521 χ^2 /NDF: 21.6/24

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: 4407.553 $\pm$ 1.564 χ^2 /NDF: 366356.6/5

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

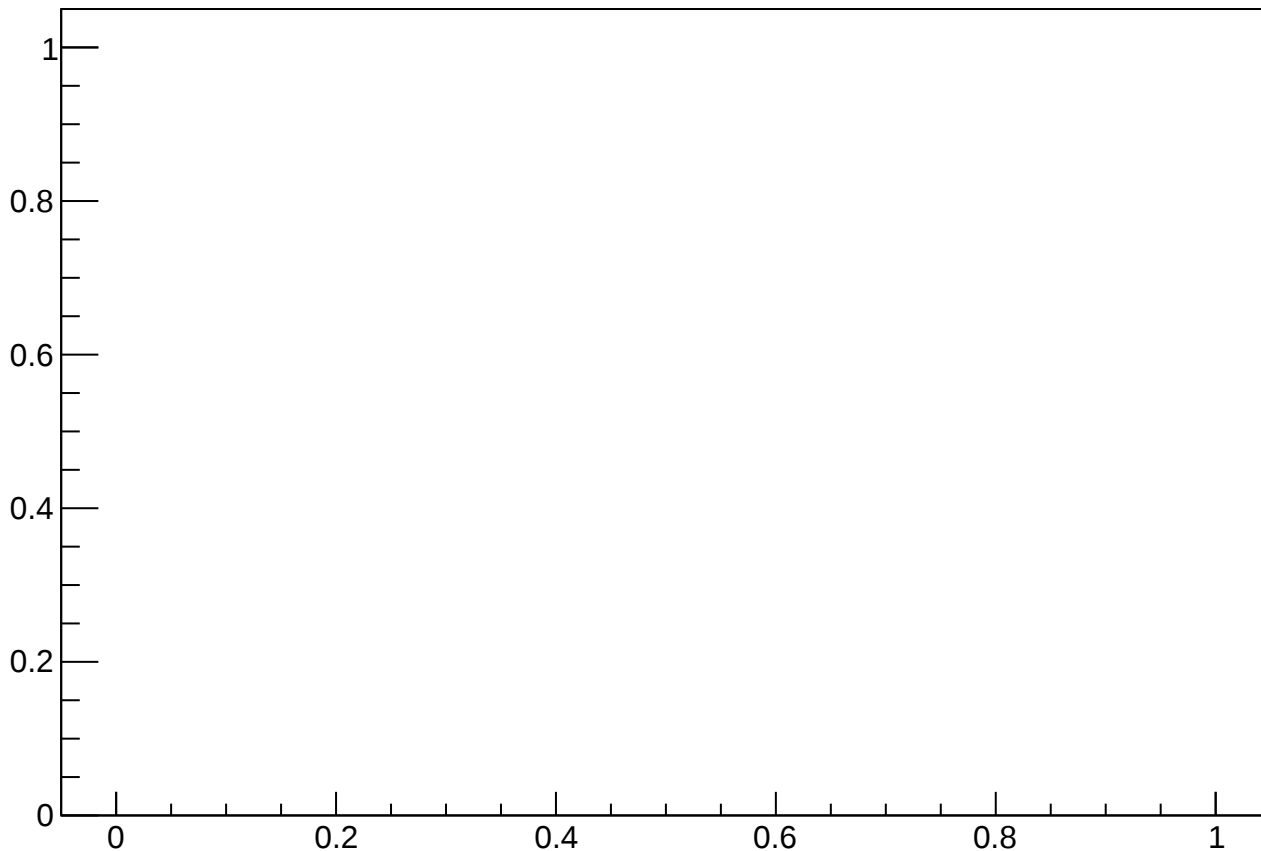
Left In: 4888.329 $\pm$ 1.734 χ^2 /NDF: 119484.3/4

3752.504 $\pm$ 0.859 χ^2 /NDF: 2378210.0/22

3719.415 $\pm$ 0.602 χ^2 /NDF: 5054716.6/47

3687.411 $\pm$ 0.844 χ^2 /NDF: 2673584.8/24

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

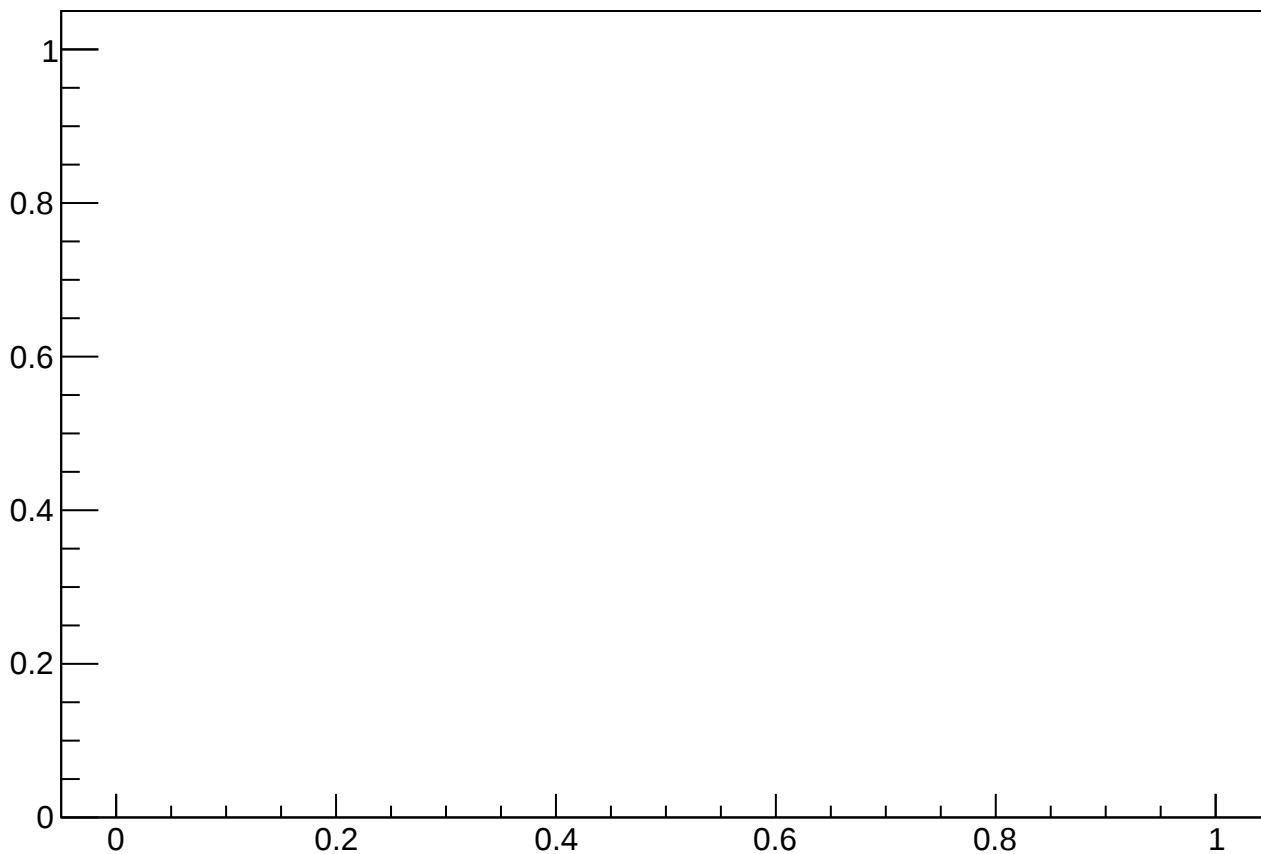
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

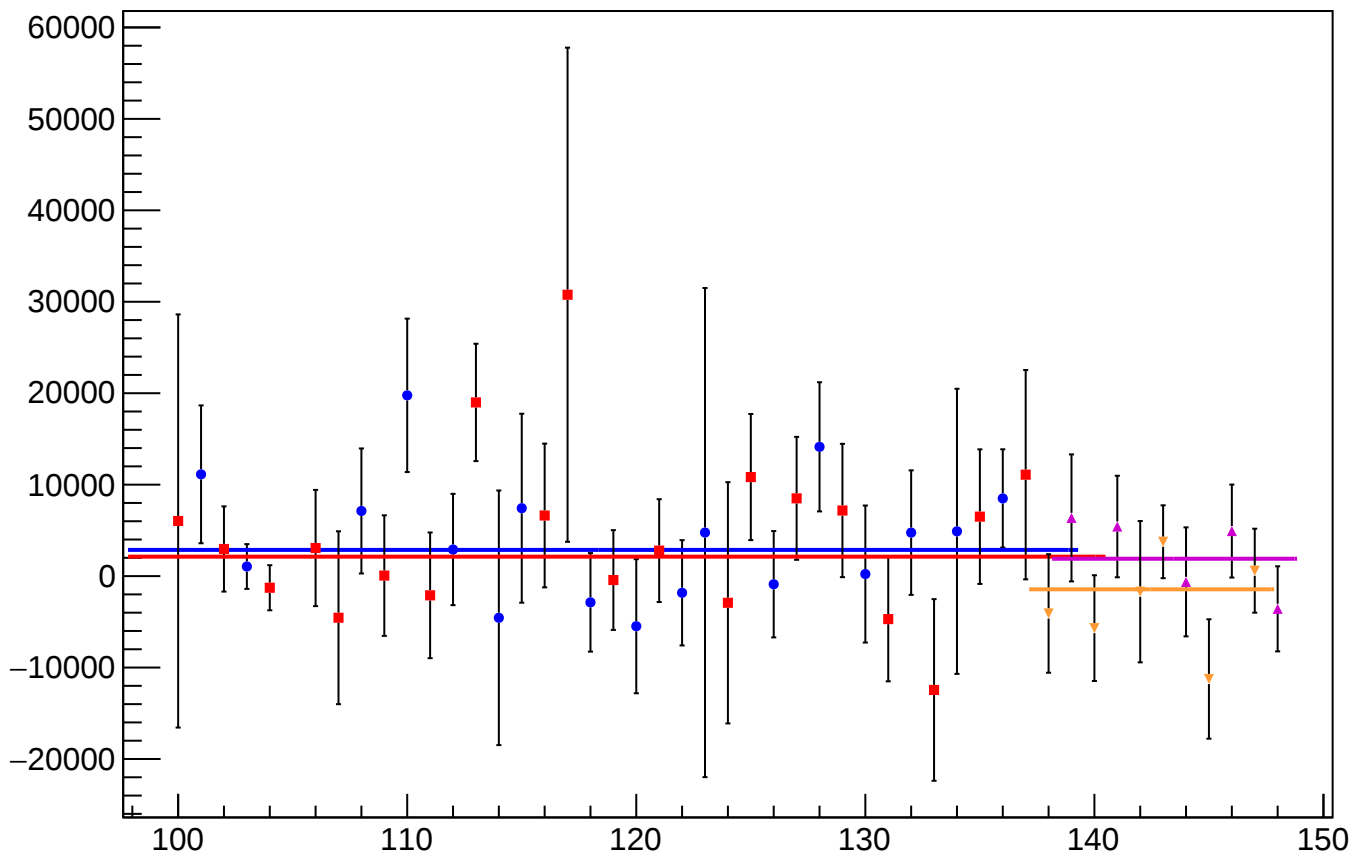
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -1444.541 $\pm$ 2212.124 χ^2 /NDF: 4.9/5

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

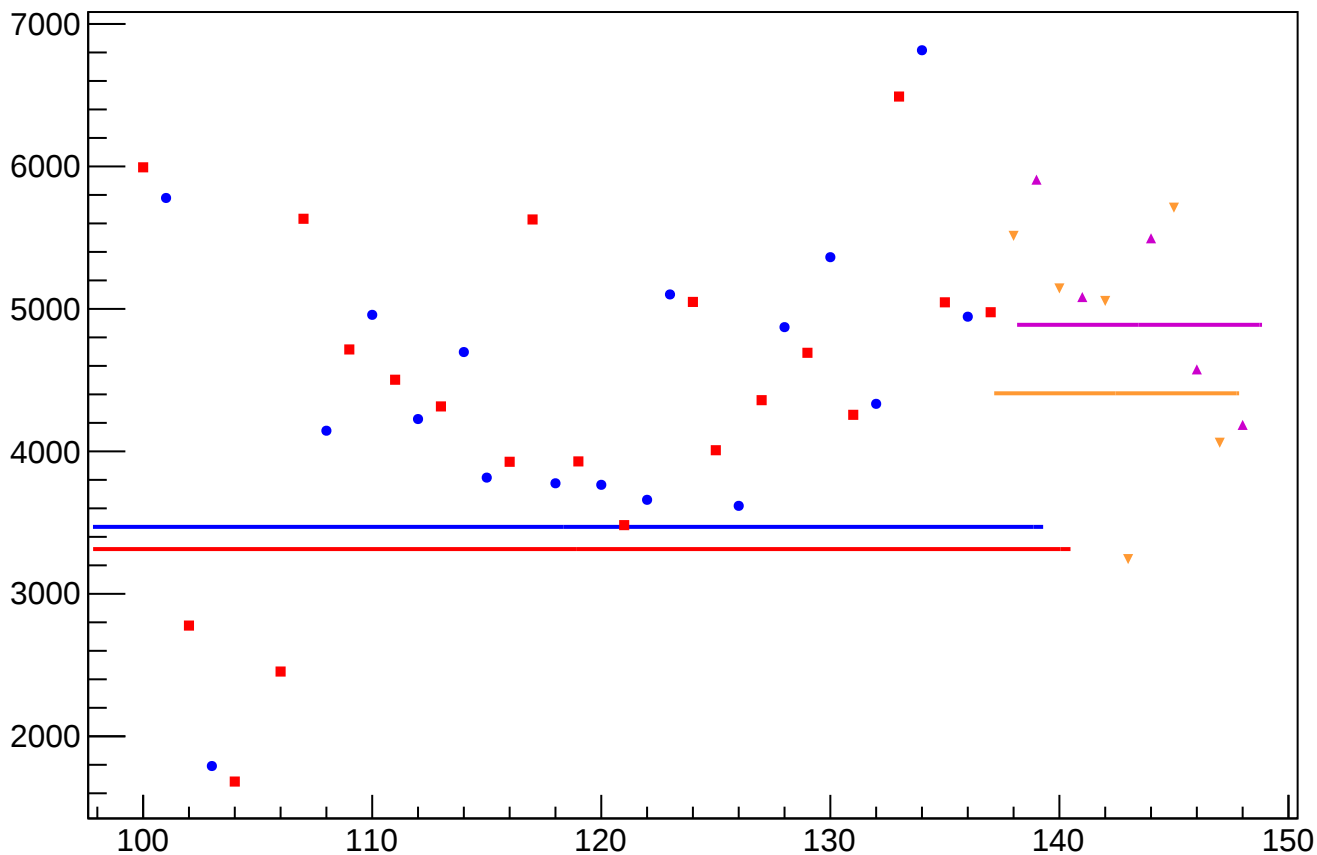
Left In: 1898.107 $\pm$ 2452.458 χ^2 /NDF: 2.7/4

1566.377 $\pm$ 1214.252 χ^2 /NDF: 21.6/22

1821.283 $\pm$ 854.428 χ^2 /NDF: 43.2/47

2071.288 $\pm$ 1202.521 χ^2 /NDF: 21.6/24

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: 4407.553 $\pm$ 1.564 χ^2/NDF : 366356.6/5

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

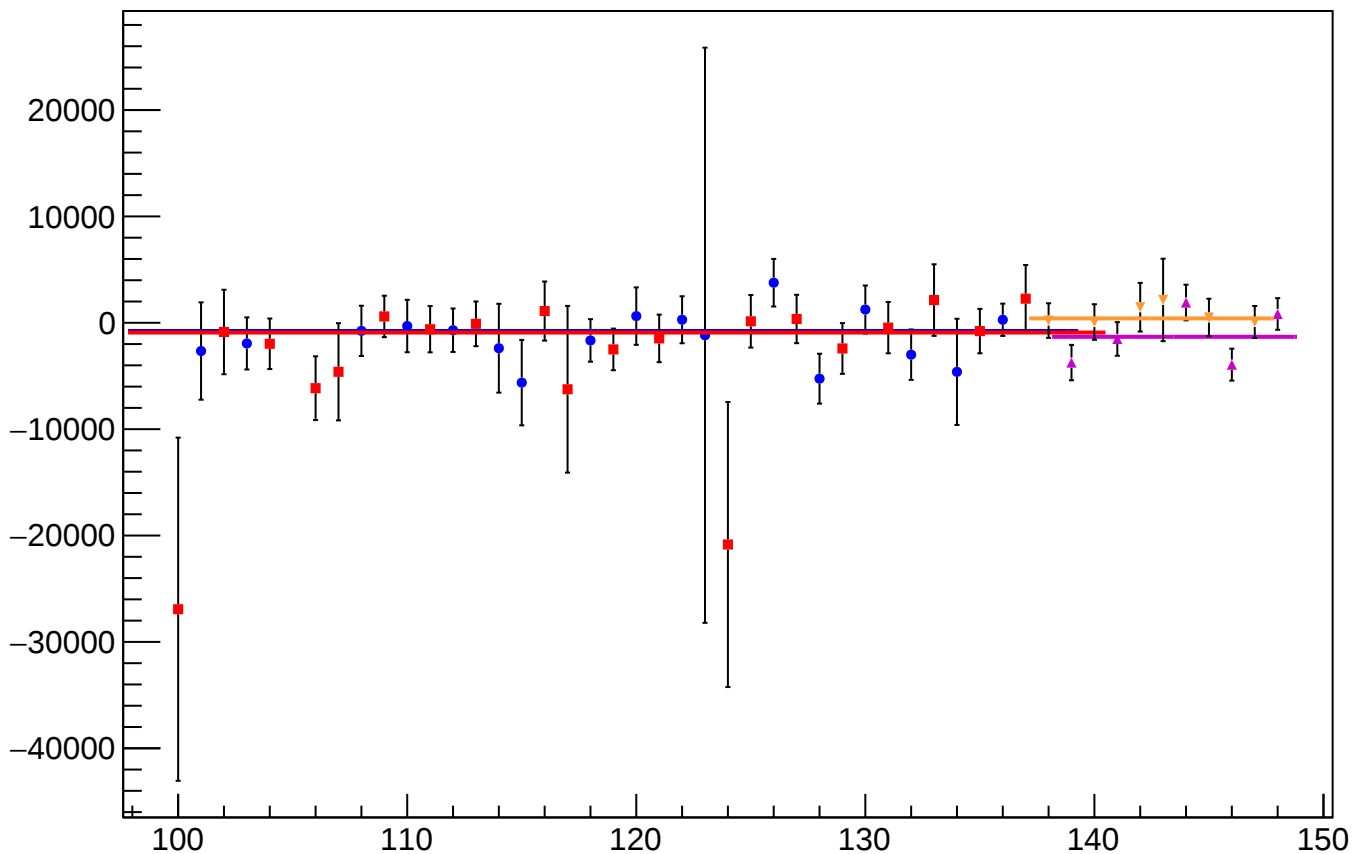
Left In: 4888.329 $\pm$ 1.734 χ^2/NDF : 119484.3/4

3752.504 $\pm$ 0.859 χ^2/NDF : 2378210.0/22

3719.415 $\pm$ 0.602 χ^2/NDF : 5054716.6/47

3687.411 $\pm$ 0.844 χ^2/NDF : 2673584.8/24

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: 411.549+/-753.678 χ^2/NDF : 0.5/5

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

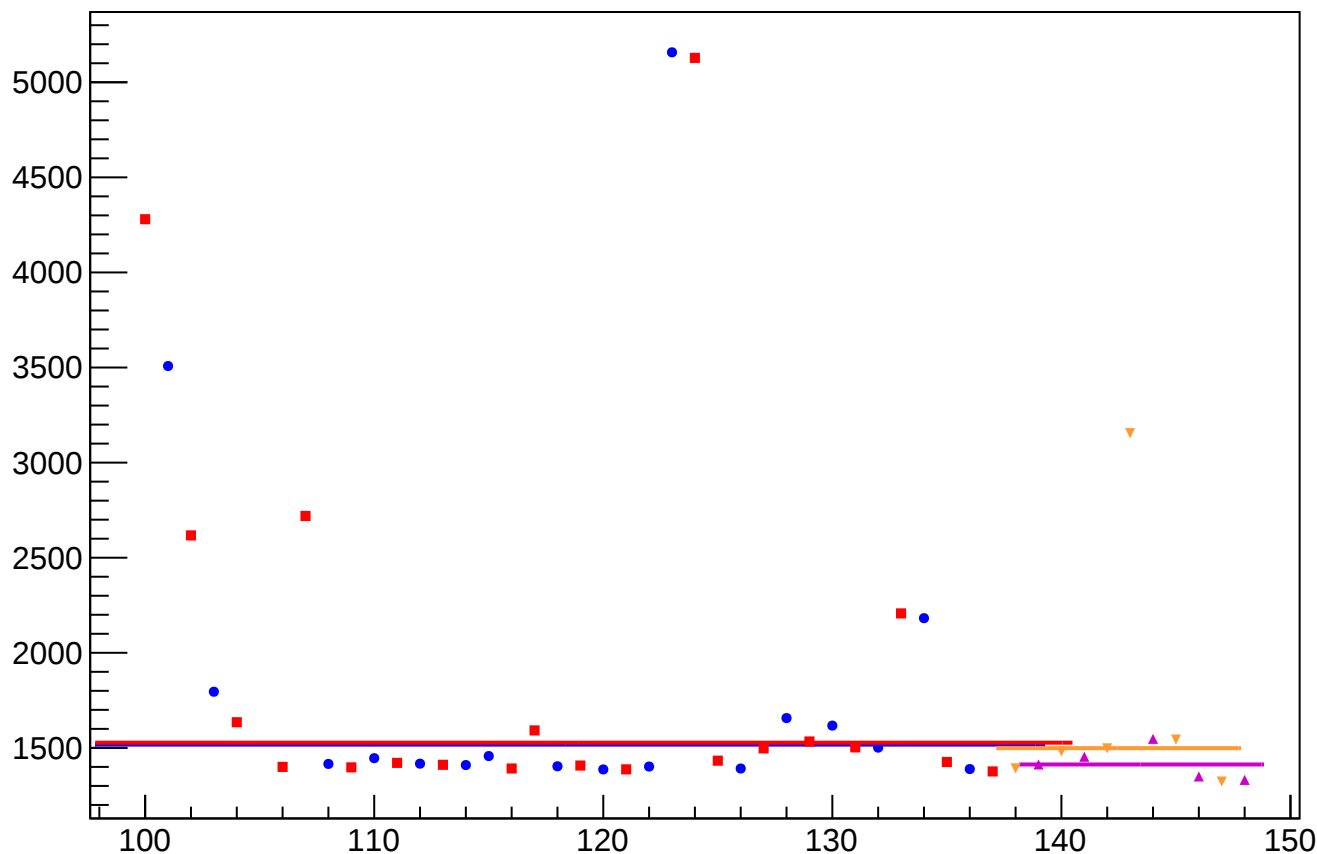
Left In: -1317.502+/-704.969 χ^2/NDF : 11.0/4

-308.913+/-471.174 χ^2/NDF : 15.3/22

-710.059+/-326.913 χ^2/NDF : 41.8/47

-1082.422+/-453.956 χ^2/NDF : 25.1/24

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334 ± 0.427 $\chi^2/\text{NDF}: 536662.7/16$

Left Out: 1498.624 ± 0.533 $\chi^2/\text{NDF}: 402822.6/5$

Right Out: 1527.378 ± 0.420 $\chi^2/\text{NDF}: 631820.9/19$

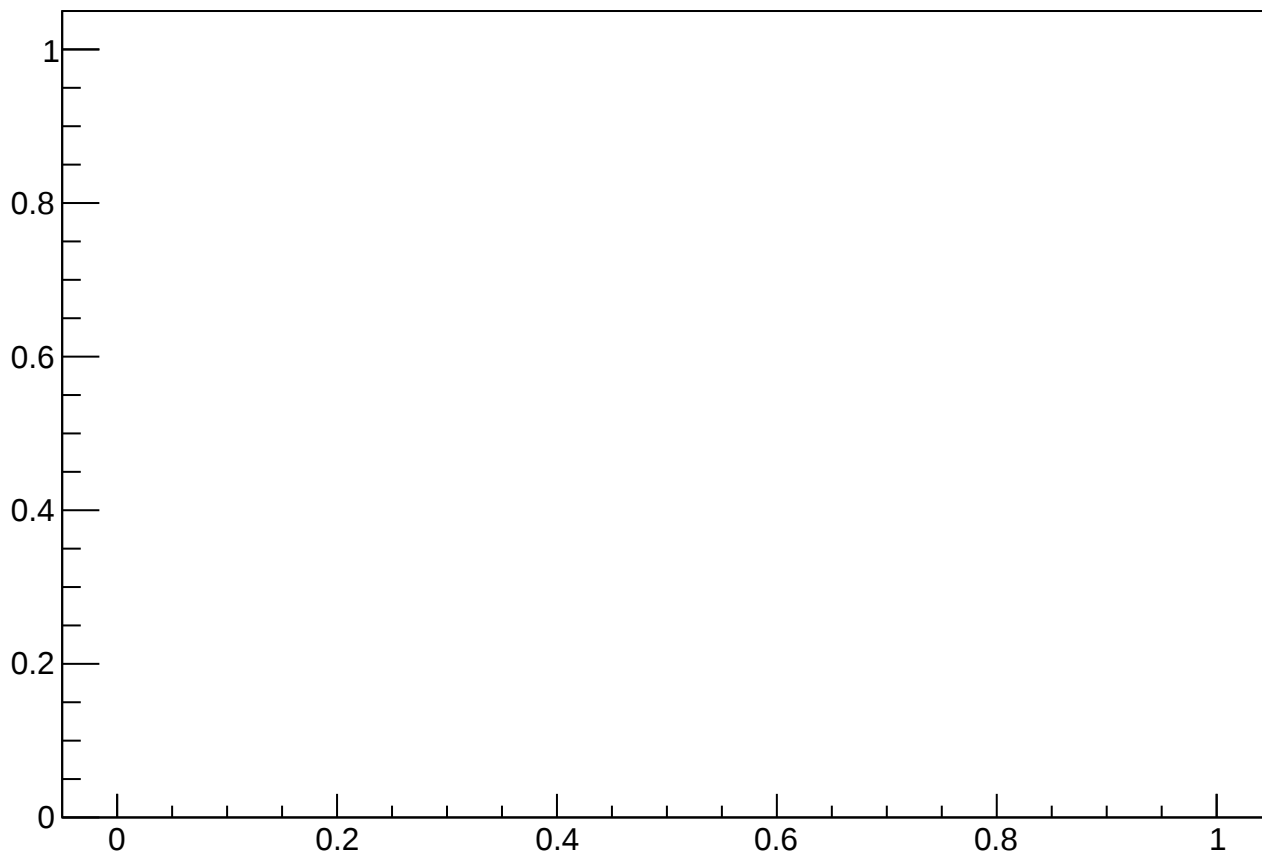
Left In: 1412.778 ± 0.498 $\chi^2/\text{NDF}: 23734.0/4$

1510.022 ± 0.333 $\chi^2/\text{NDF}: 940236.2/22$

1494.379 ± 0.231 $\chi^2/\text{NDF}: 1630978.3/47$

1479.858 ± 0.321 $\chi^2/\text{NDF}: 686491.4/24$

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

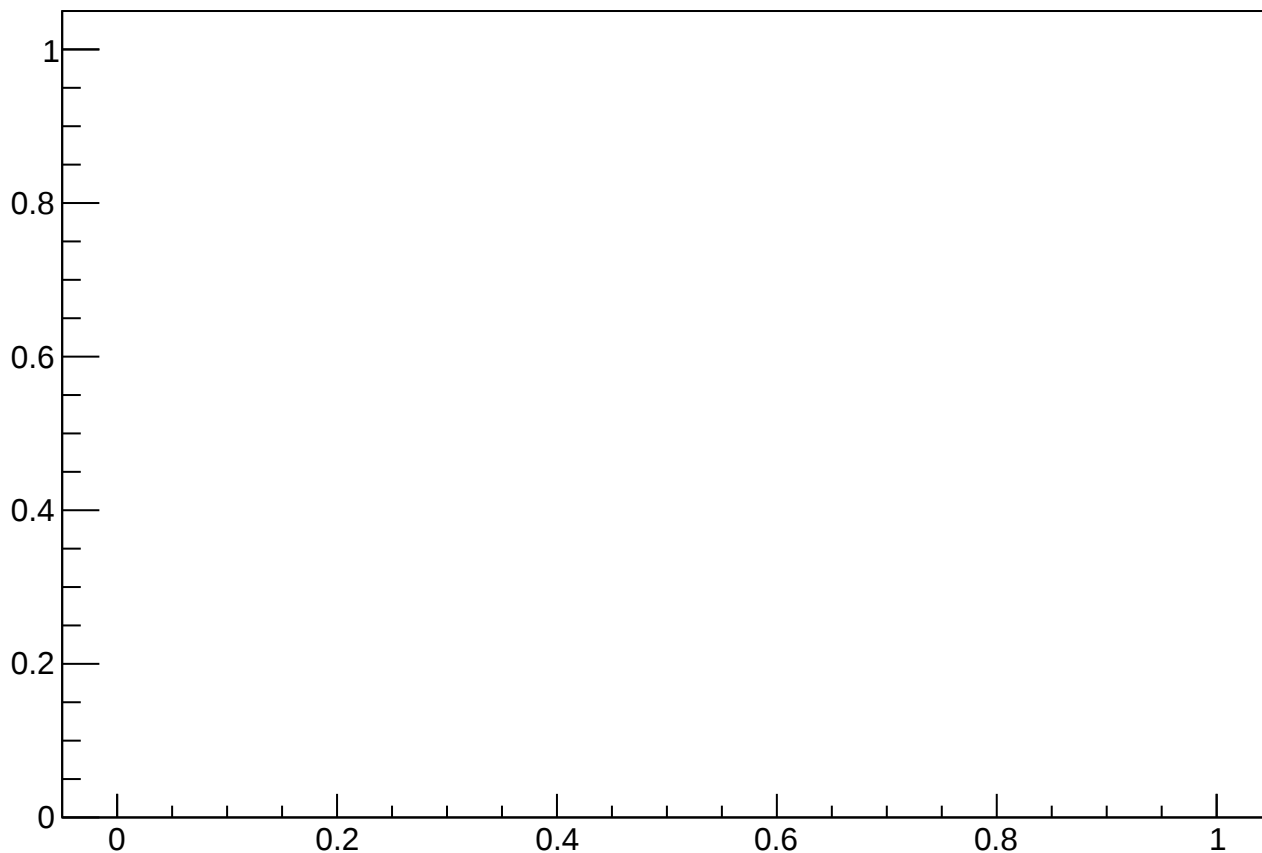
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

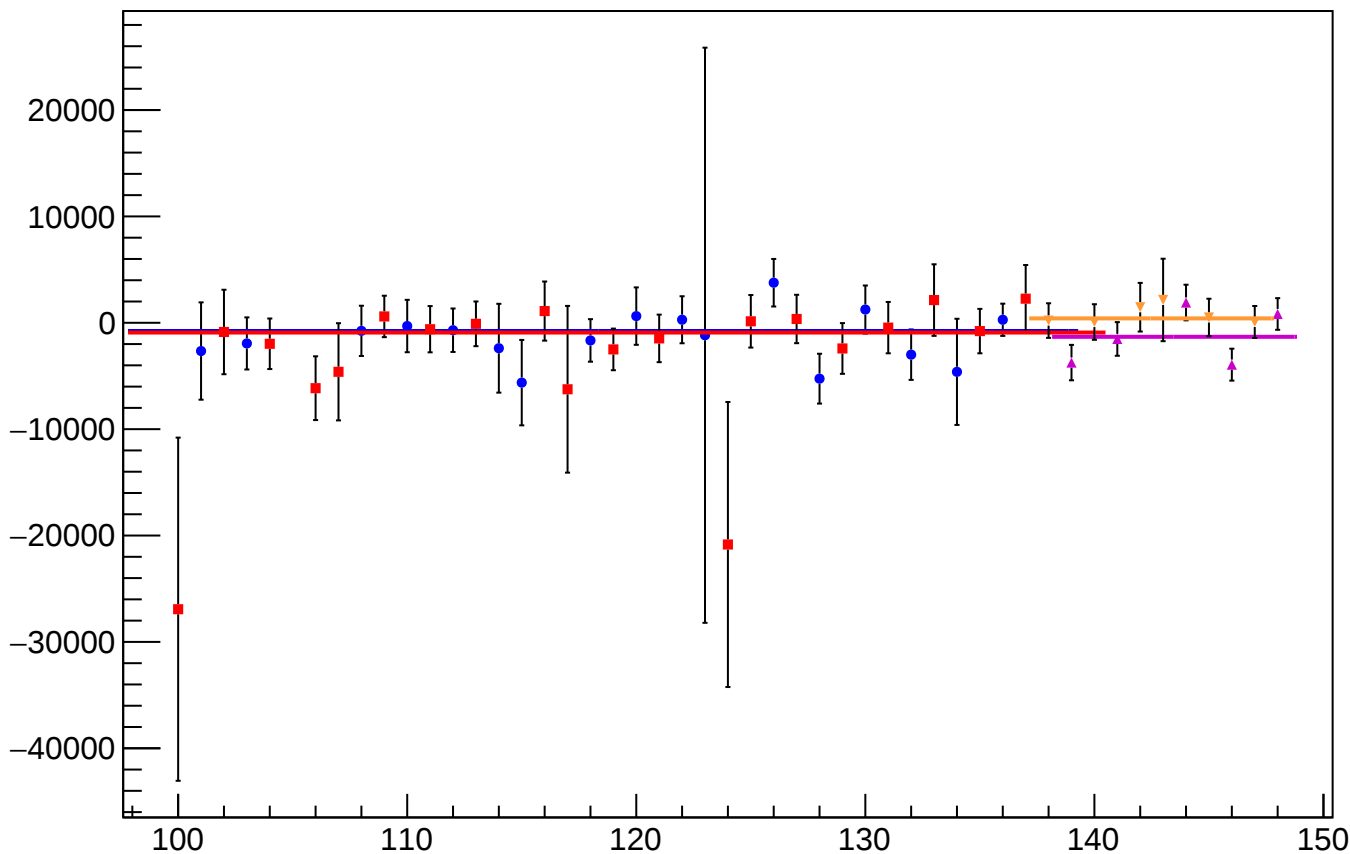
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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: 411.549+/-753.678 χ^2/NDF : 0.5/5

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

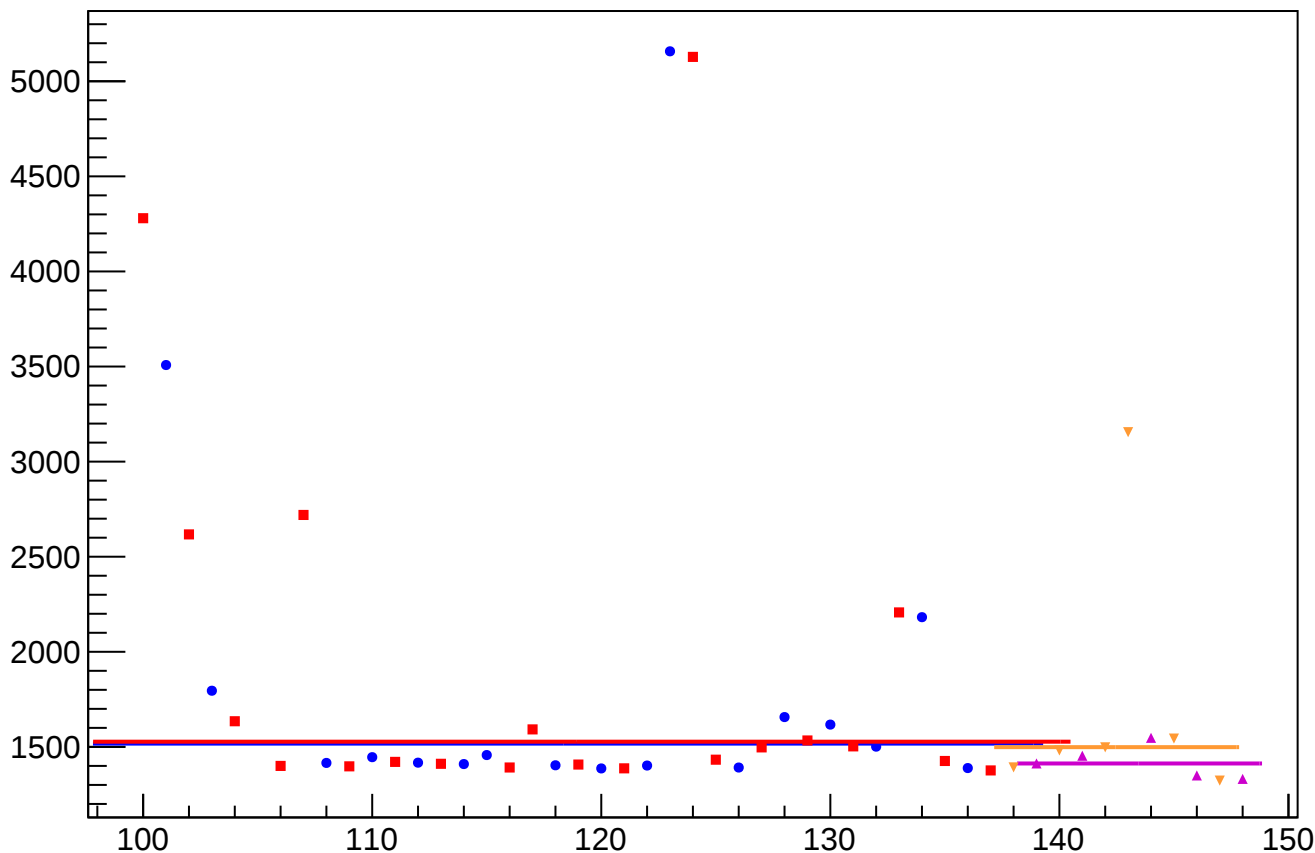
Left In: -1317.502+/-704.969 χ^2/NDF : 11.0/4

-308.913+/-471.174 χ^2/NDF : 15.3/22

-710.059+/-326.913 χ^2/NDF : 41.8/47

-1082.422+/-453.956 χ^2/NDF : 25.1/24

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334 ± 0.427 $\chi^2/\text{NDF}: 536662.7/16$

Left Out: 1498.624 ± 0.533 $\chi^2/\text{NDF}: 402822.6/5$

Right Out: 1527.378 ± 0.420 $\chi^2/\text{NDF}: 631820.9/19$

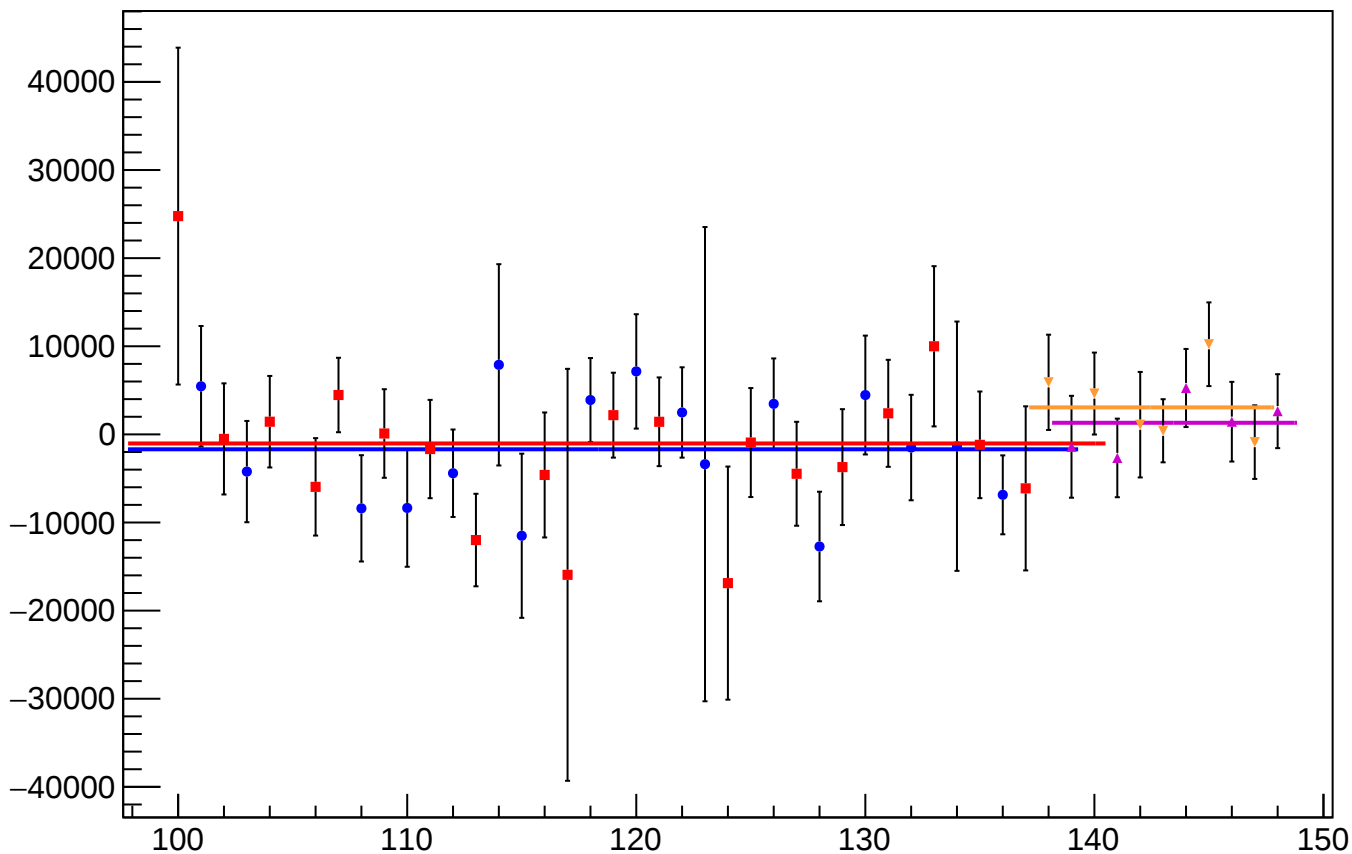
Left In: 1412.778 ± 0.498 $\chi^2/\text{NDF}: 23734.0/4$

1510.022 ± 0.333 $\chi^2/\text{NDF}: 940236.2/22$

1494.379 ± 0.231 $\chi^2/\text{NDF}: 1630978.3/47$

1479.858 ± 0.321 $\chi^2/\text{NDF}: 686491.4/24$

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: 3064.381 $\pm$ 1863.398 χ^2/NDF : 4.2/5

Right Out: -1029.768 $\pm$ 1376.481 χ^2/NDF : 14.3/19

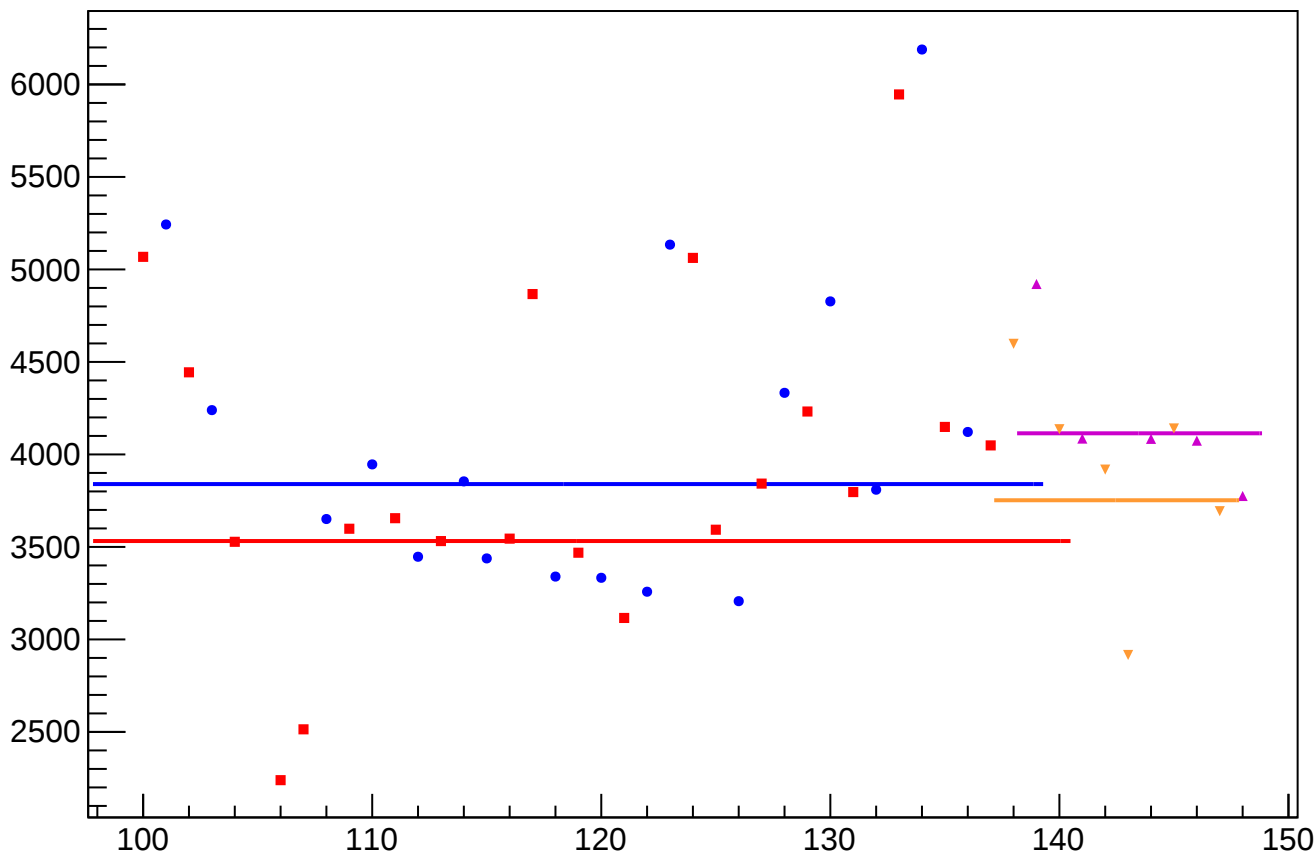
Left In: 1316.576 $\pm$ 2054.695 χ^2/NDF : 1.9/4

197.378 $\pm$ 1174.542 χ^2/NDF : 24.0/22

-59.463 $\pm$ 819.361 χ^2/NDF : 41.2/47

-302.941 $\pm$ 1143.582 χ^2/NDF : 17.2/24

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: 3752.291+/-1.318 χ^2/NDF : 186883.3/5

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

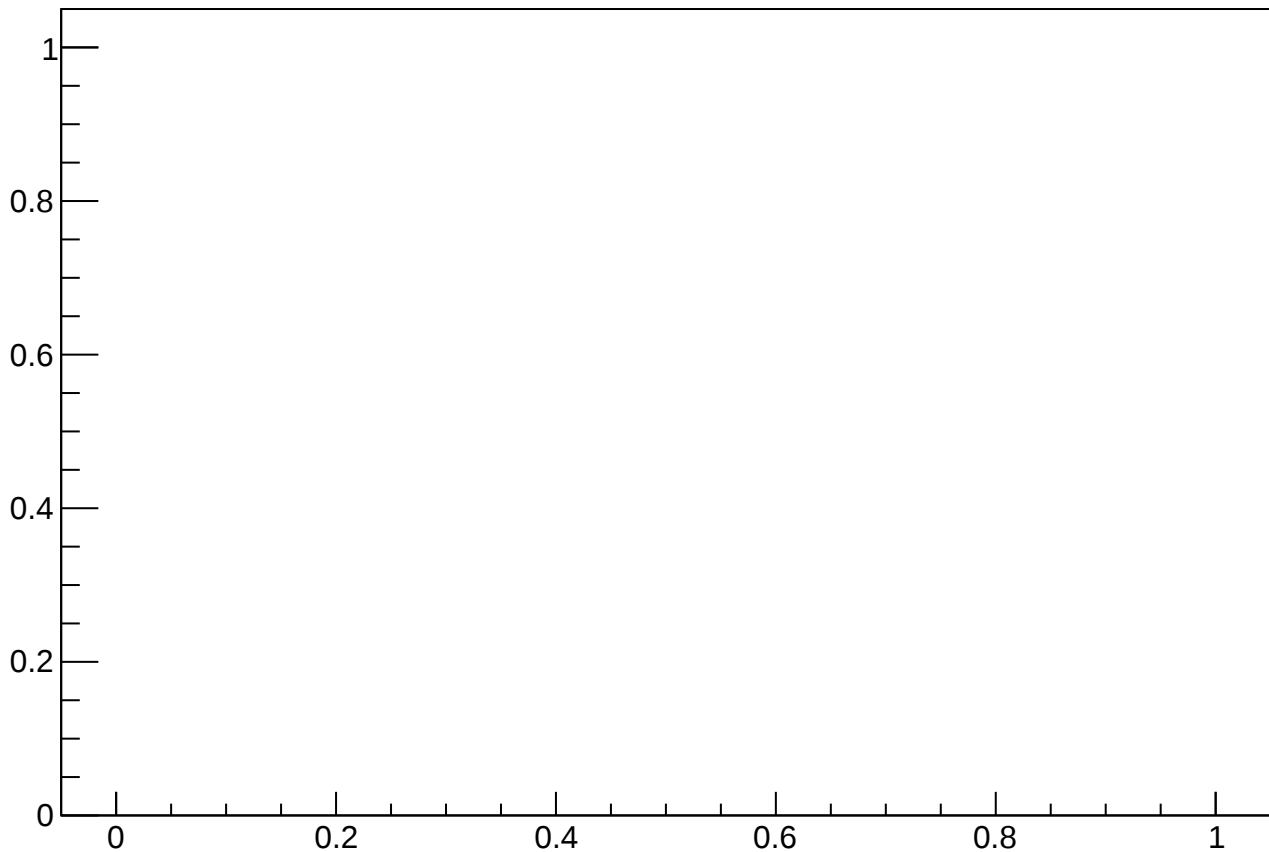
Left In: 4114.215+/-1.453 χ^2/NDF : 52360.5/4

3805.004+/-0.831 χ^2/NDF : 515498.0/22

3755.942+/-0.577 χ^2/NDF : 1247454.7/47

3710.013+/-0.804 χ^2/NDF : 725200.0/24

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

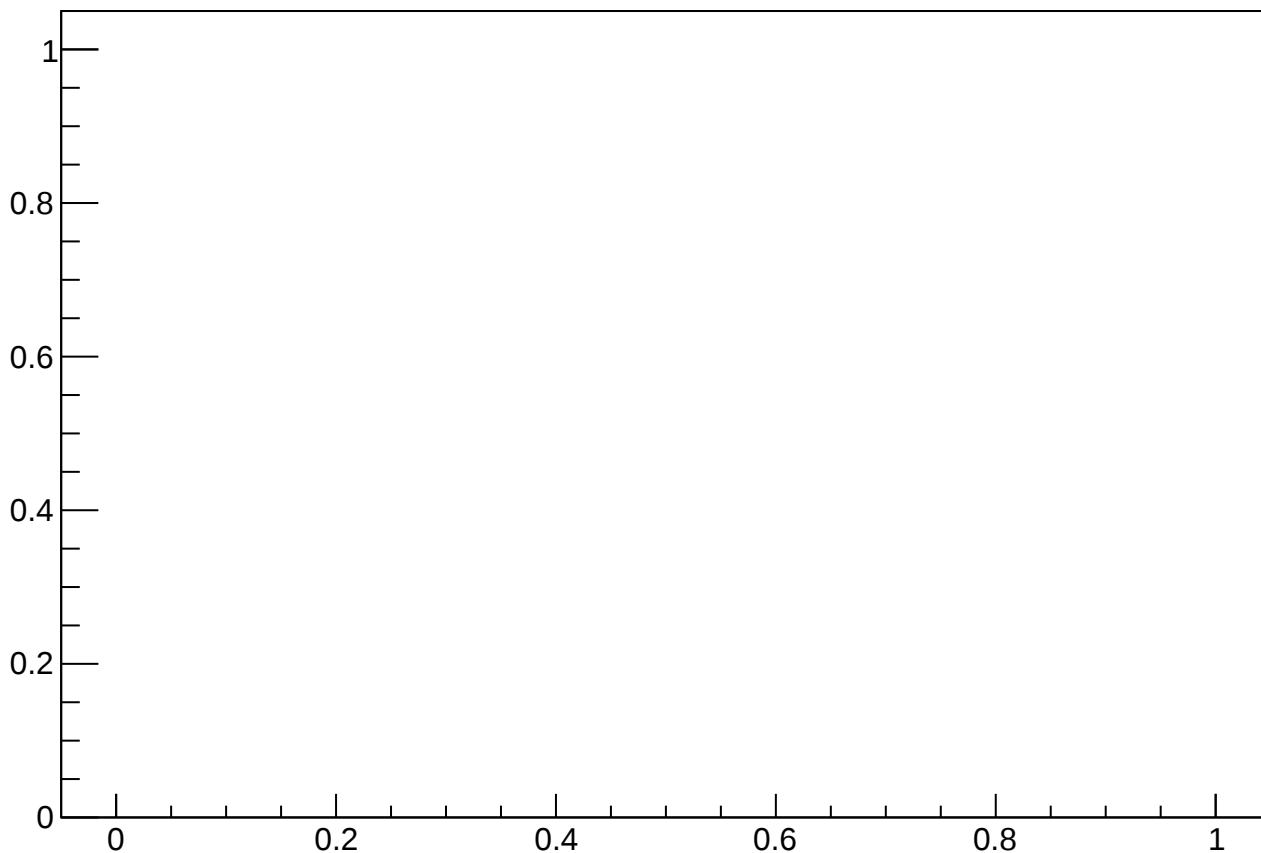
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

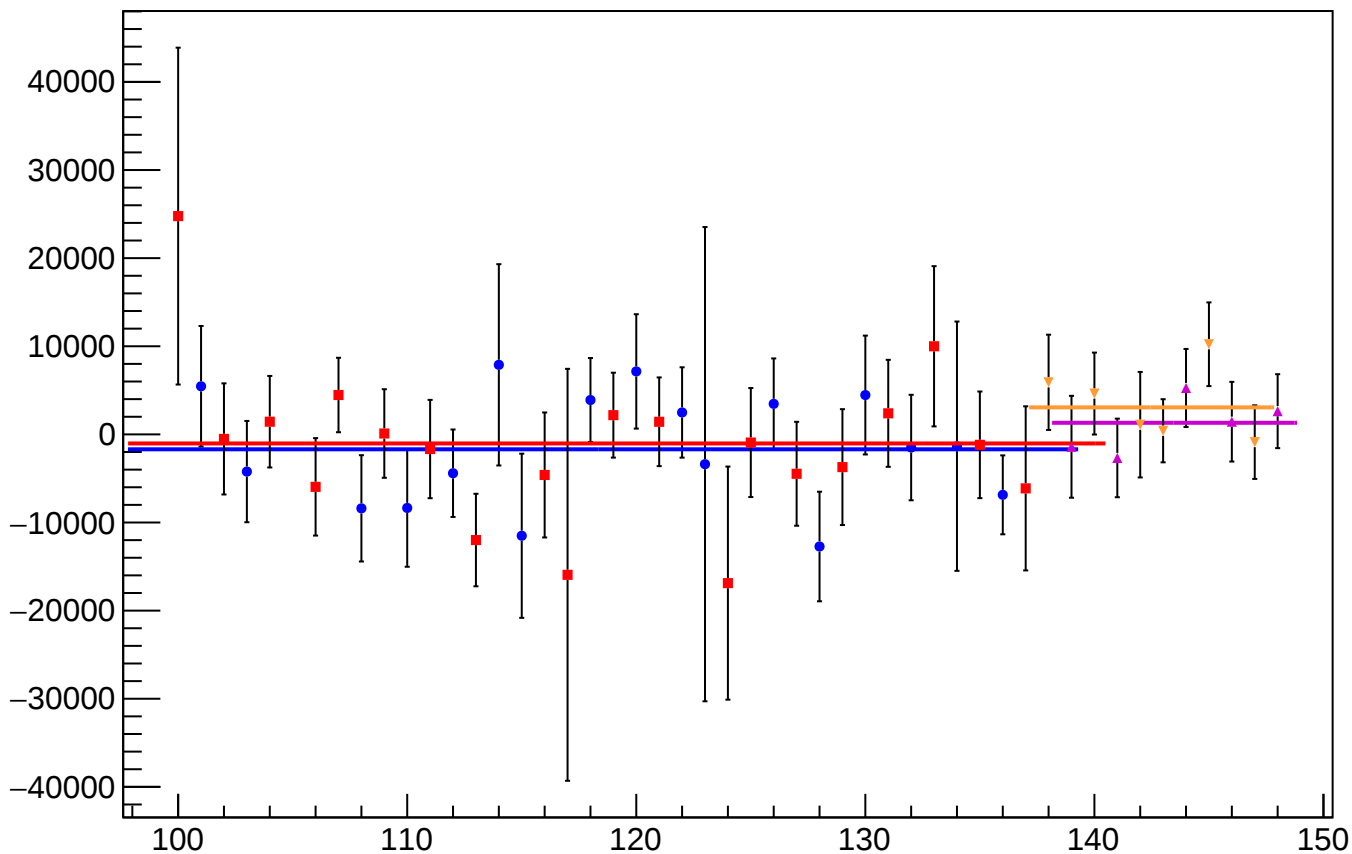
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 3064.381 $\pm$ 1863.398 χ^2 /NDF: 4.2/5

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

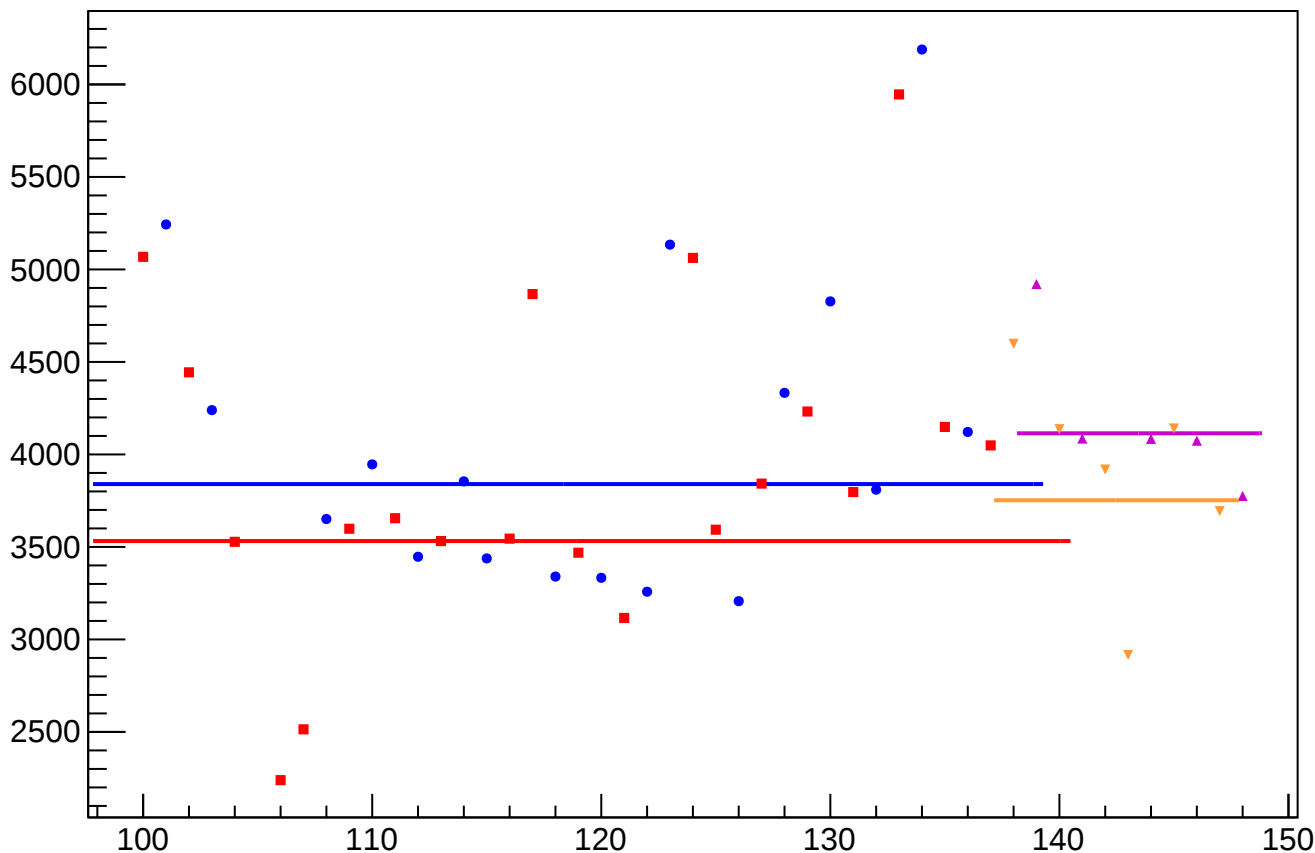
Left In: 1316.576 $\pm$ 2054.695 χ^2 /NDF: 1.9/4

197.378 $\pm$ 1174.542 χ^2 /NDF: 24.0/22

-59.463 $\pm$ 819.361 χ^2 /NDF: 41.2/47

-302.941 $\pm$ 1143.582 χ^2 /NDF: 17.2/24

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: 3752.291+/-1.318 χ^2/NDF : 186883.3/5

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

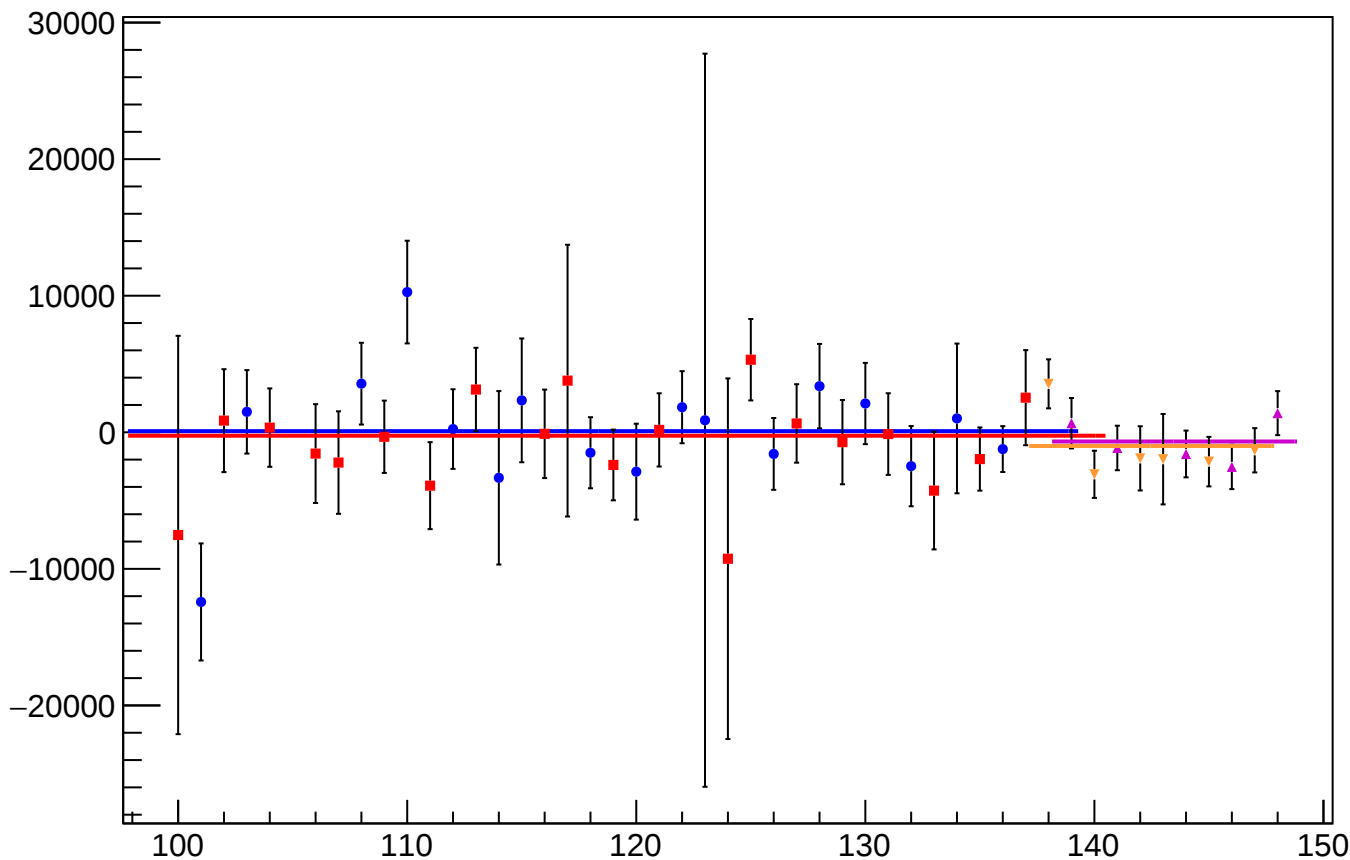
Left In: 4114.215+/-1.453 χ^2/NDF : 52360.5/4

3805.004+/-0.831 χ^2/NDF : 515498.0/22

3755.942+/-0.577 χ^2/NDF : 1247454.7/47

3710.013+/-0.804 χ^2/NDF : 725200.0/24

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -1005.065 ± 789.947 $\chi^2/\text{NDF}: 8.5/5$

Right Out: -250.743 ± 732.124 $\chi^2/\text{NDF}: 10.3/19$

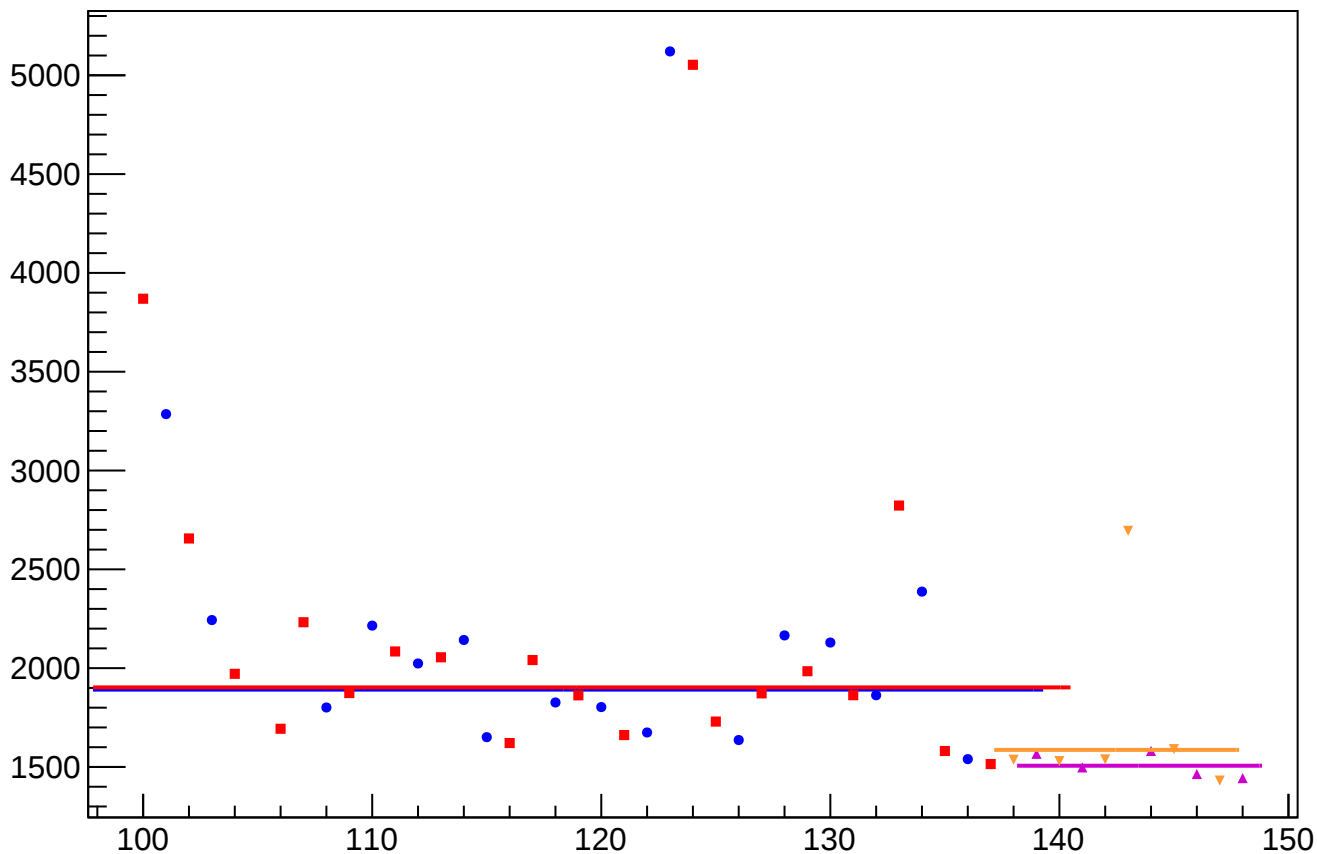
Left In: -673.589 ± 750.745 $\chi^2/\text{NDF}: 3.9/4$

-432.772 ± 544.113 $\chi^2/\text{NDF}: 32.4/22$

-445.264 ± 377.490 $\chi^2/\text{NDF}: 46.8/47$

-456.857 ± 524.149 $\chi^2/\text{NDF}: 14.4/24$

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: 1586.440+/-0.559 χ^2/NDF : 246942.8/5

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

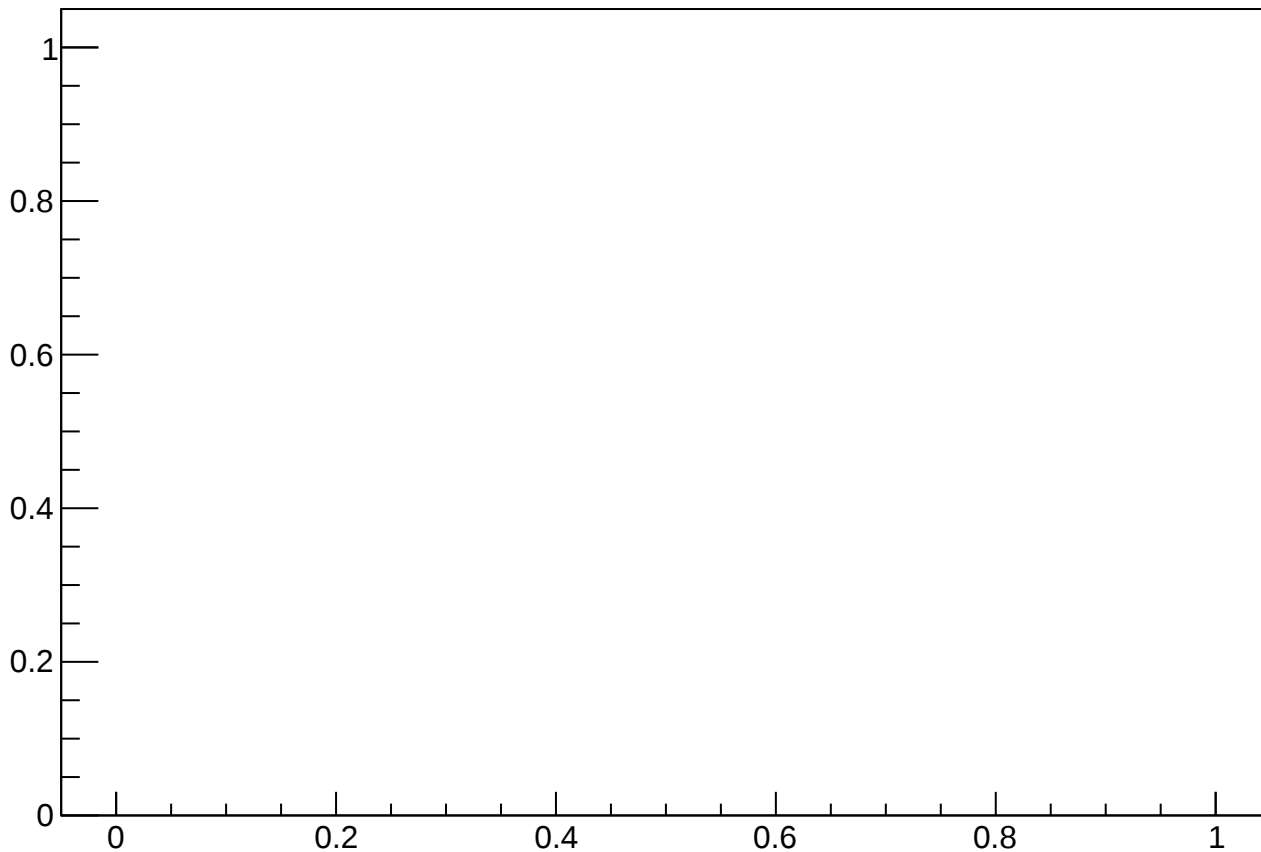
Left In: 1506.318+/-0.531 χ^2/NDF : 10355.9/4

1746.763+/-0.385 χ^2/NDF : 868190.1/22

1727.390+/-0.267 χ^2/NDF : 1630070.1/47

1709.412+/-0.371 χ^2/NDF : 756991.6/24

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

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

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

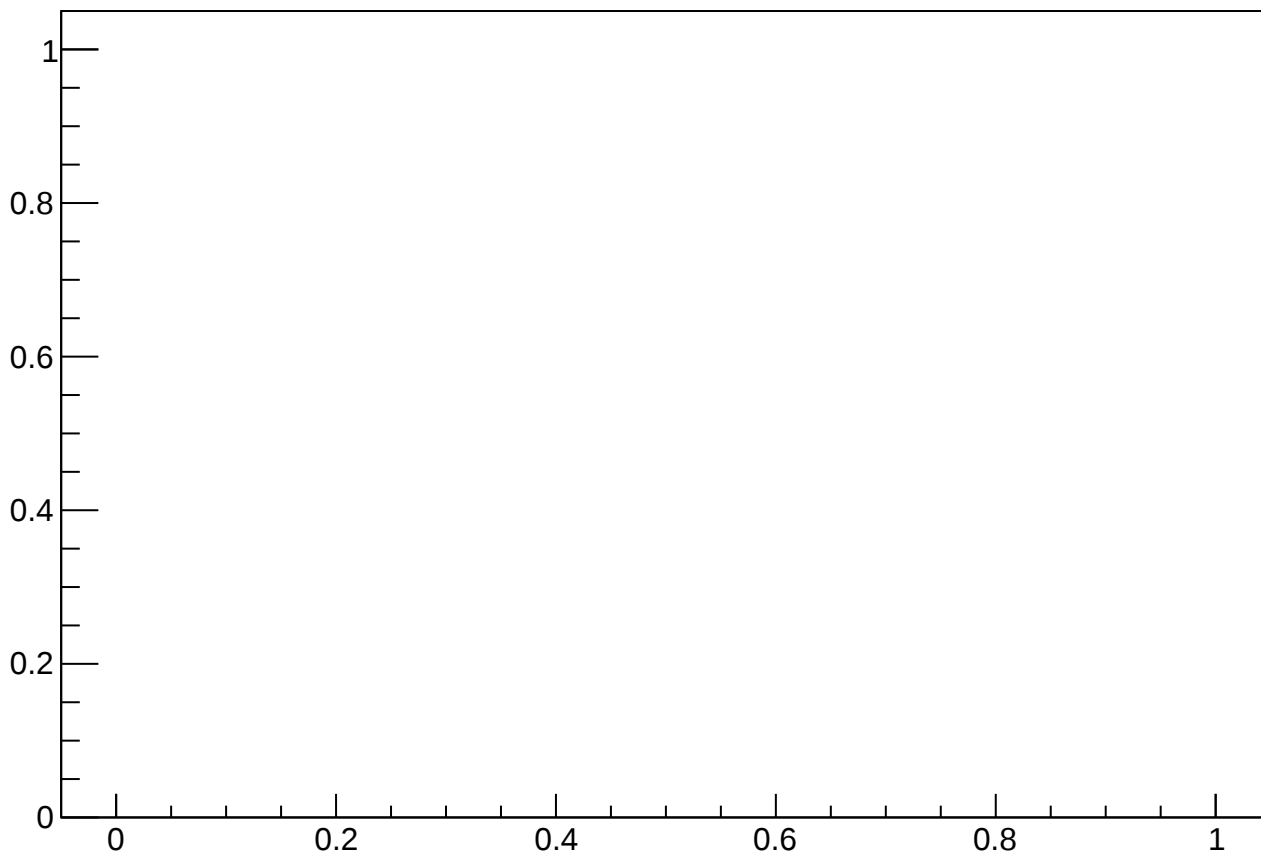
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

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

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

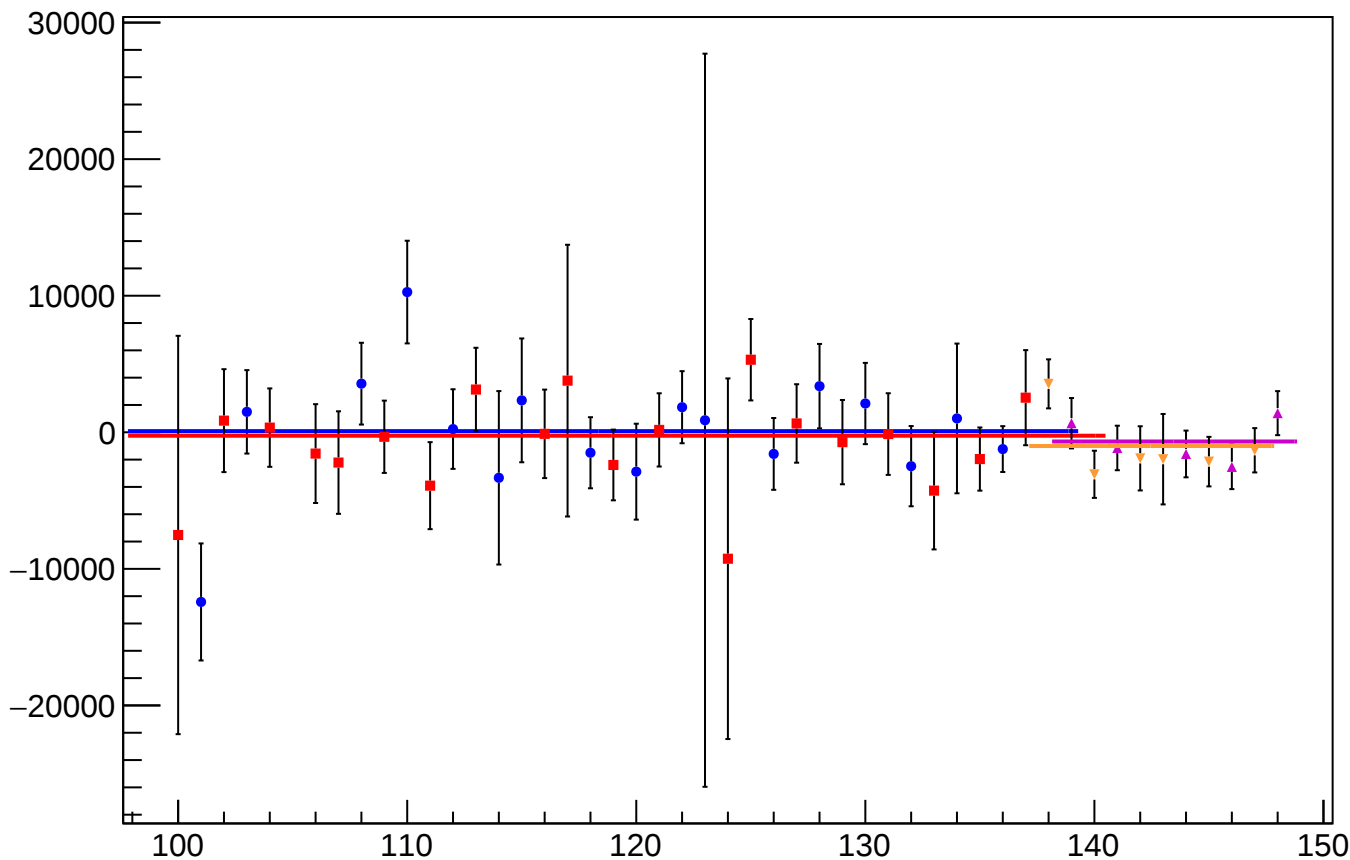
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -1005.065 ± 789.947 $\chi^2/\text{NDF}: 8.5/5$

Right Out: -250.743 ± 732.124 $\chi^2/\text{NDF}: 10.3/19$

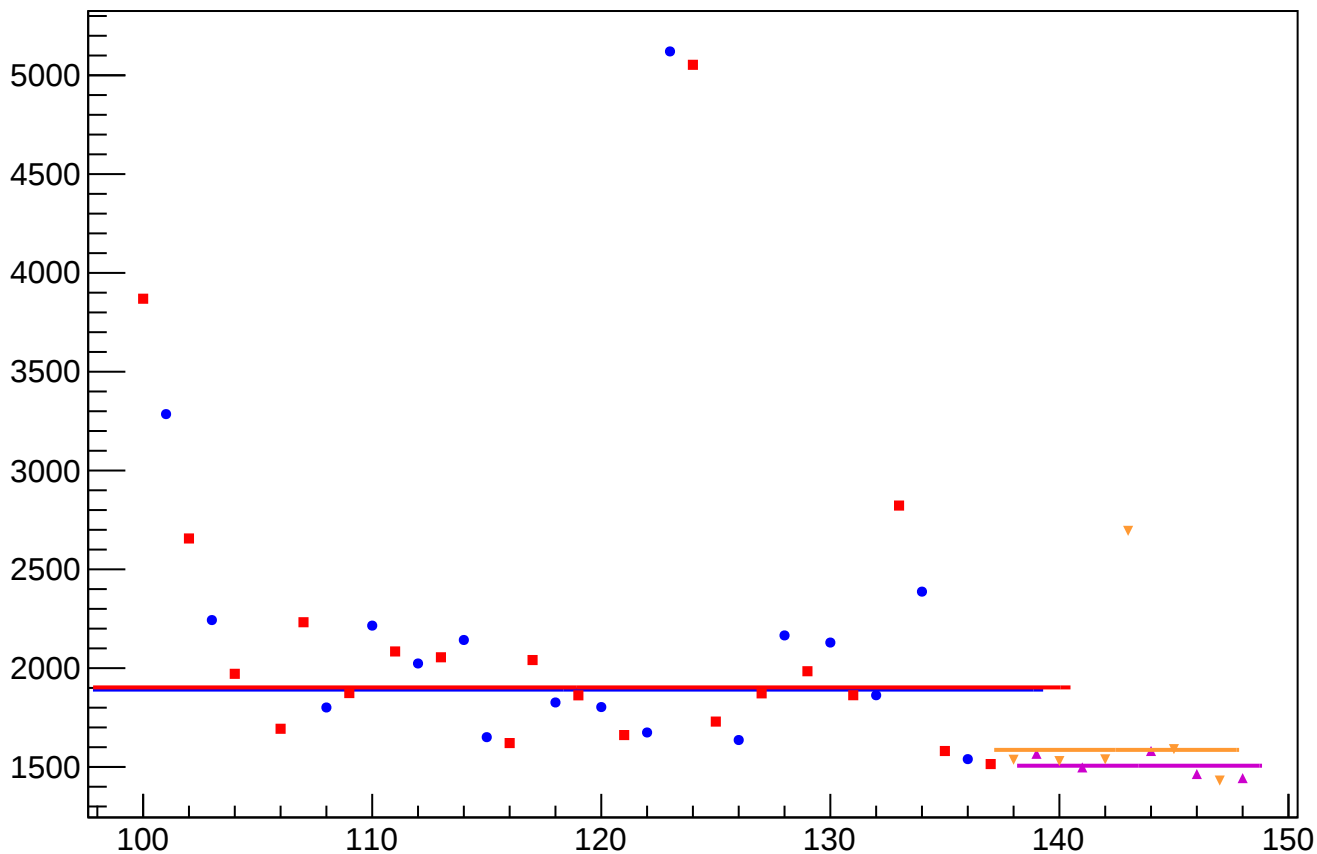
Left In: -673.589 ± 750.745 $\chi^2/\text{NDF}: 3.9/4$

-432.772 ± 544.113 $\chi^2/\text{NDF}: 32.4/22$

-445.264 ± 377.490 $\chi^2/\text{NDF}: 46.8/47$

-456.857 ± 524.149 $\chi^2/\text{NDF}: 14.4/24$

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: 1586.440+/-0.559 χ^2/NDF : 246942.8/5

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

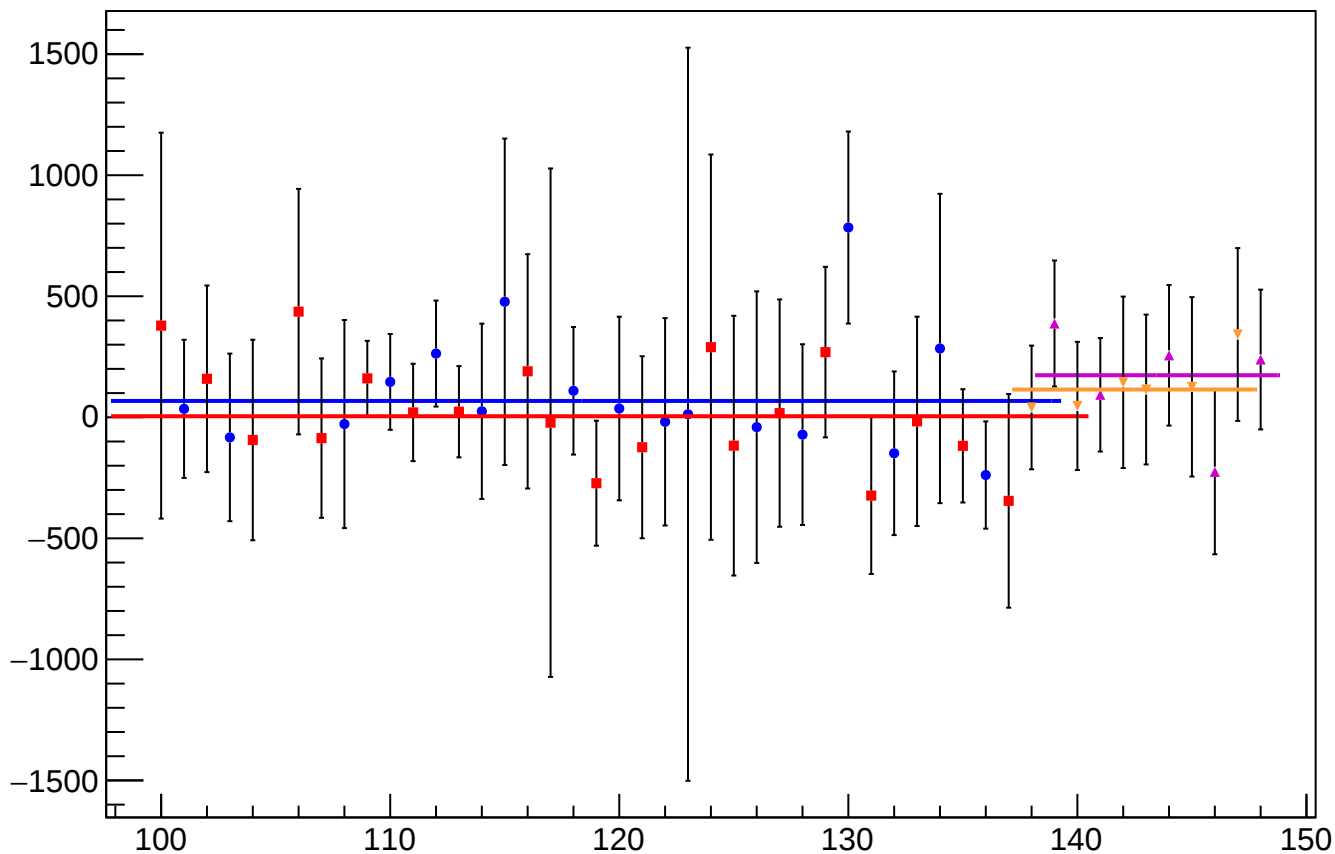
Left In: 1506.318+/-0.531 χ^2/NDF : 10355.9/4

1746.763+/-0.385 χ^2/NDF : 868190.1/22

1727.390+/-0.267 χ^2/NDF : 1630070.1/47

1709.412+/-0.371 χ^2/NDF : 756991.6/24

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542+/-79.608 χ^2/NDF : 7.5/16

Left Out: 114.722+/-125.851 χ^2/NDF : 0.6/5

Right Out: 4.305+/-69.854 χ^2/NDF : 6.4/19

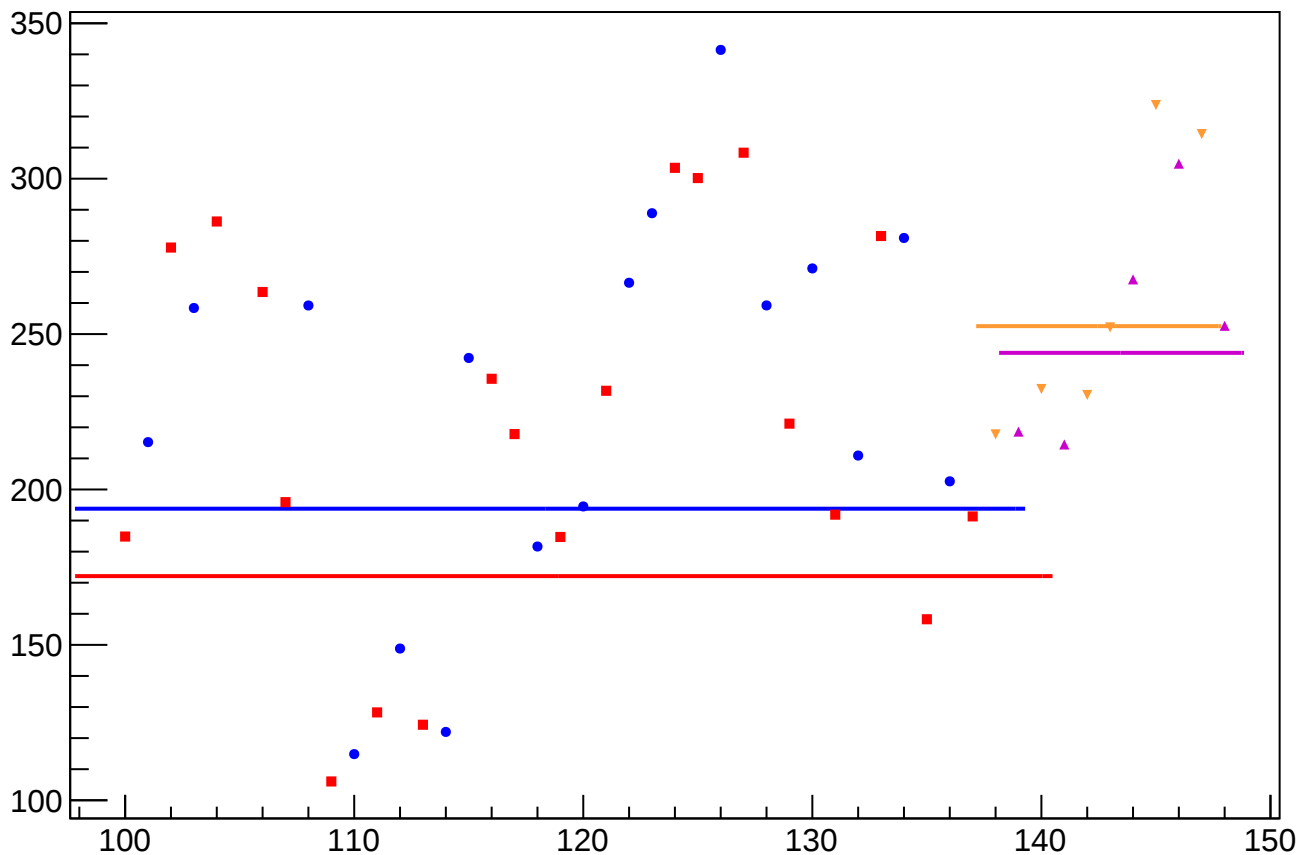
Left In: 173.777+/-123.628 χ^2/NDF : 2.3/4

81.025+/-67.278 χ^2/NDF : 8.2/22

61.375+/-45.116 χ^2/NDF : 18.4/47

45.317+/-60.817 χ^2/NDF : 10.1/24

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: 252.555 $\pm$ 0.089 χ^2 /NDF:190331.0/5

Right Out: 172.123 $\pm$ 0.049 χ^2 /NDF: 1580879.9/19

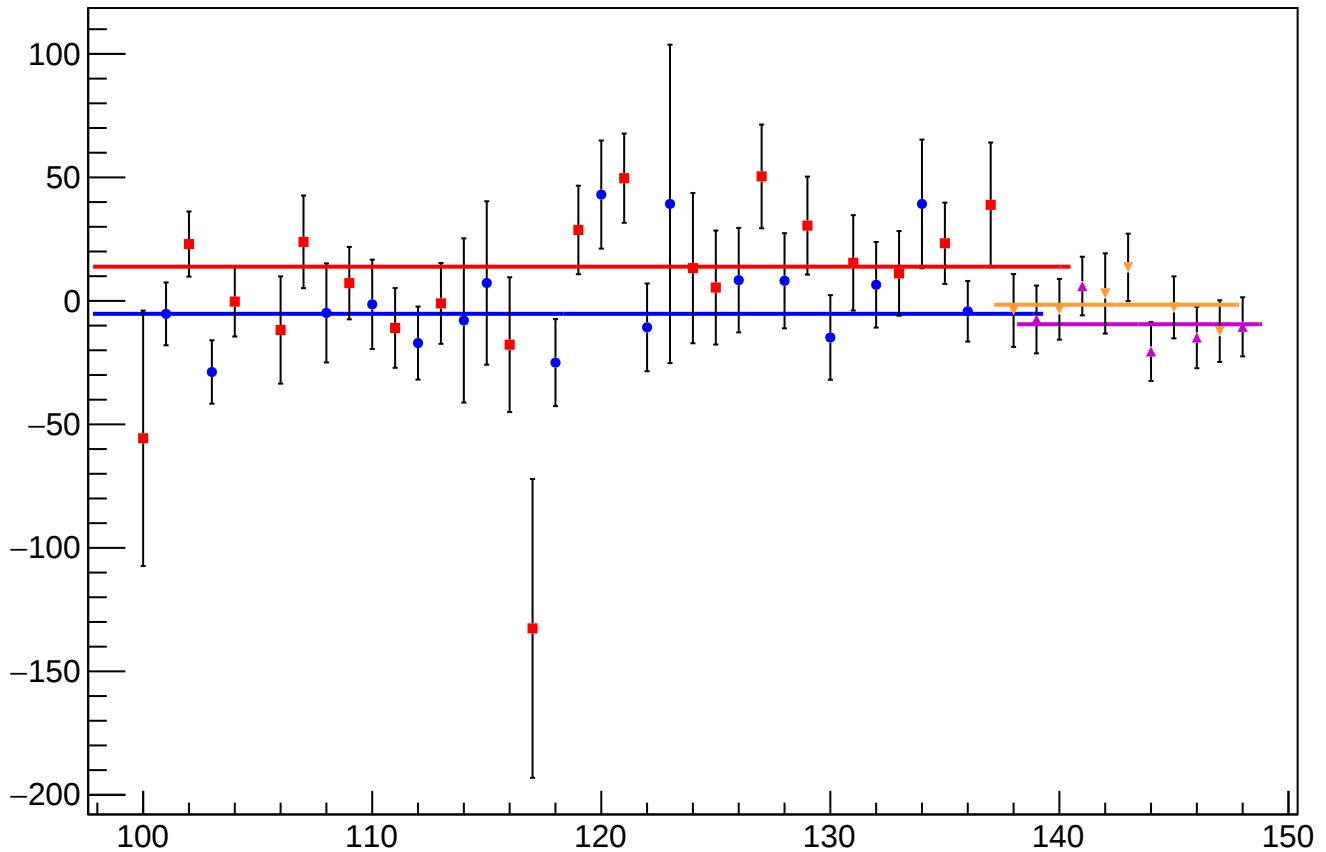
Left In: 243.962 $\pm$ 0.087 χ^2 /NDF:129547.6/4

210.602 $\pm$ 0.048 χ^2 /NDF: 1511836.6/22

198.994 $\pm$ 0.032 χ^2 /NDF: 3842354.0/47

189.508 $\pm$ 0.043 χ^2 /NDF: 2222326.2/24

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 $\pm$ 4.356 χ^2/NDF : 15.5/16

Left Out: -1.547 $\pm$ 5.496 χ^2/NDF : 2.1/5

Right Out: 13.851 $\pm$ 4.255 χ^2/NDF : 25.4/19

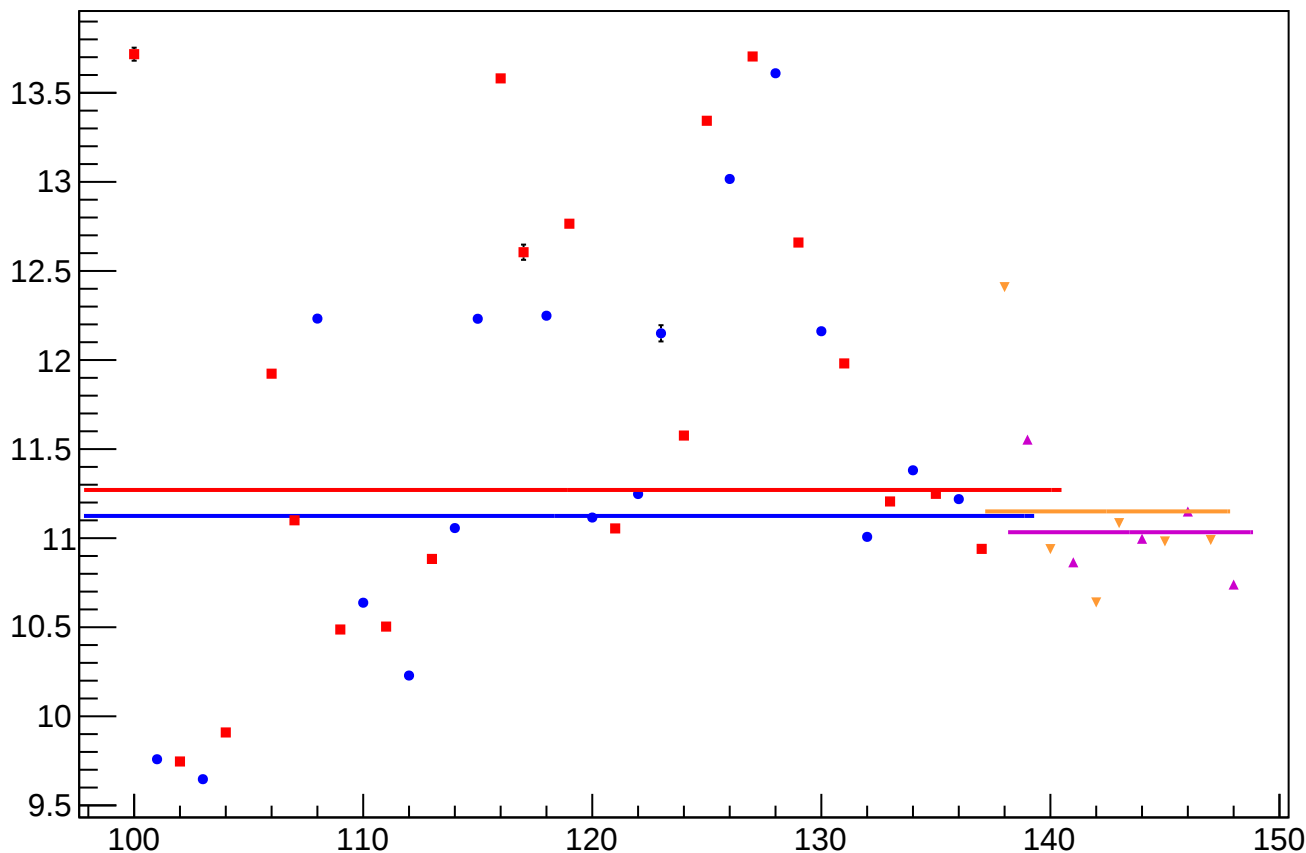
Left In: -9.452 $\pm$ 5.514 χ^2/NDF : 2.8/4

-3.809 $\pm$ 3.414 χ^2/NDF : 17.9/22

0.732 $\pm$ 2.398 χ^2/NDF : 60.7/47

5.155 $\pm$ 3.368 χ^2/NDF : 39.4/24

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125+/-0.003 χ^2/NDF : 132520.1/16

Left Out: 11.150+/-0.004 χ^2/NDF : 17881.6/5

Right Out: 11.271+/-0.003 χ^2/NDF : 148711.4/19

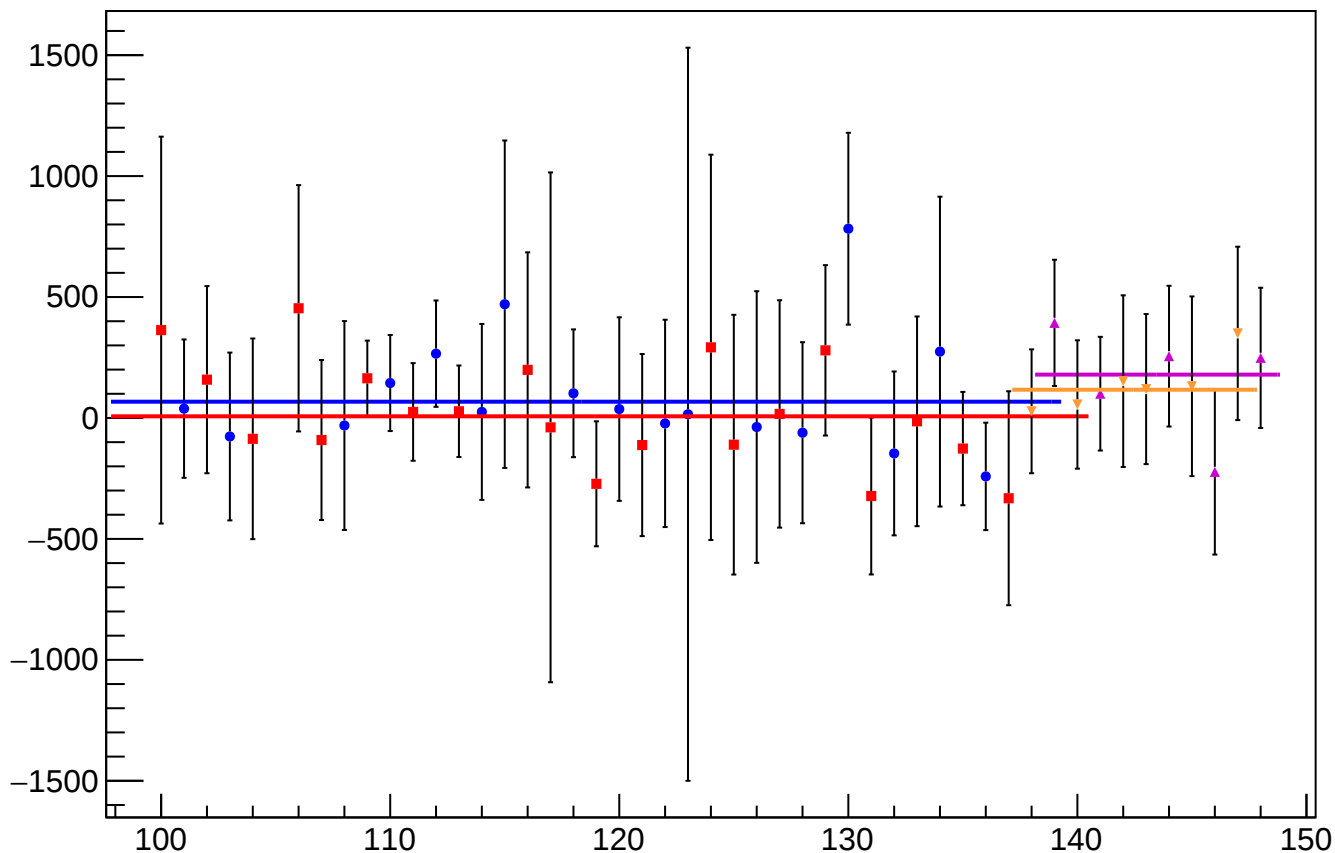
Left In: 11.033+/-0.004 χ^2/NDF : 4671.2/4

11.135+/-0.002 χ^2/NDF : 150428.0/22

11.159+/-0.002 χ^2/NDF : 306325.6/47

11.182+/-0.002 χ^2/NDF : 155702.0/24

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: 116.742+/-126.175 χ^2/NDF : 0.6/5

Right Out: 6.837+/-70.057 χ^2/NDF : 6.4/19

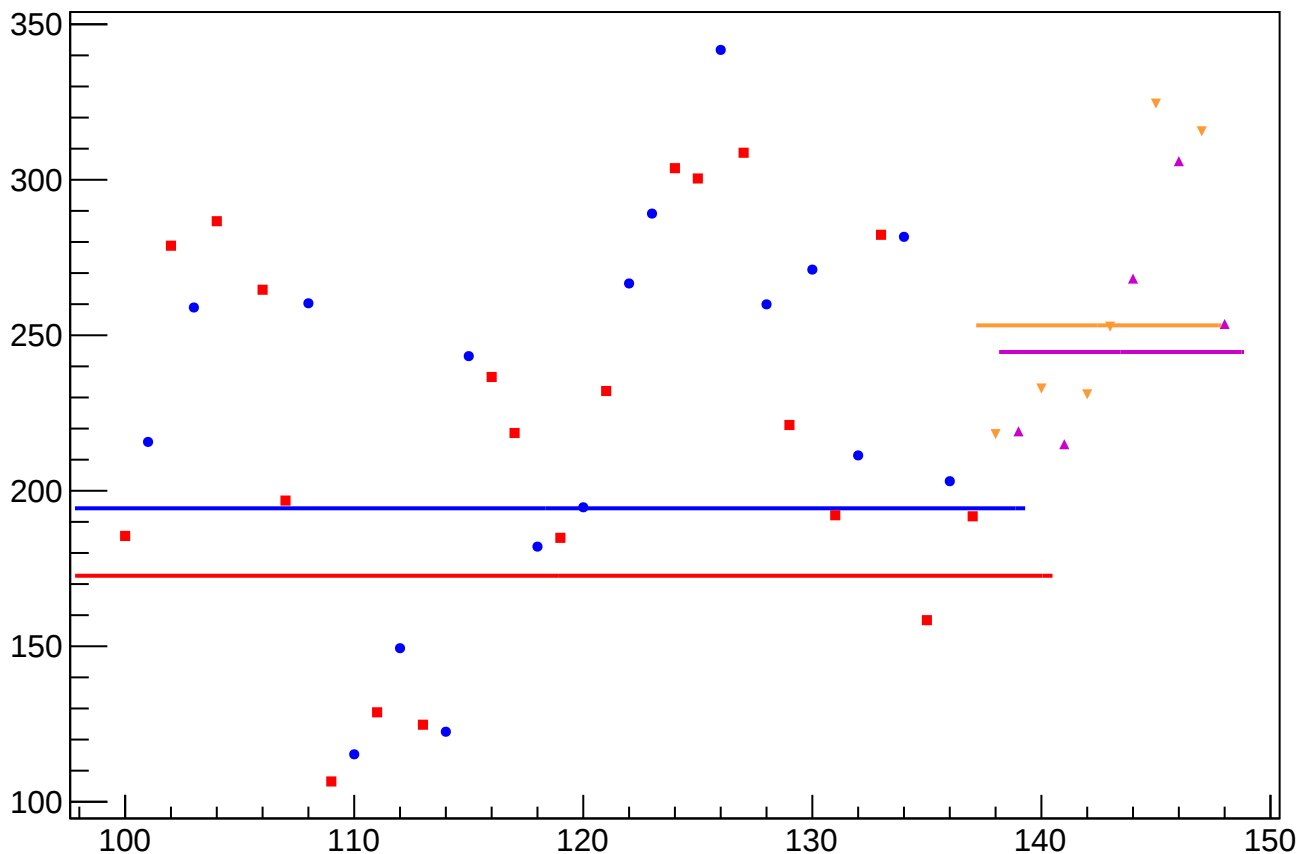
Left In: 179.289+/-123.972 χ^2/NDF : 2.3/4

81.434+/-67.454 χ^2/NDF : 8.2/22

63.357+/-45.240 χ^2/NDF : 18.5/47

48.578+/-60.992 χ^2/NDF : 10.2/24

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: 253.192 $\pm$ 0.089 χ^2 /NDF:191116.2/5

Right Out: 172.675 $\pm$ 0.050 χ^2 /NDF: 1573459.1/19

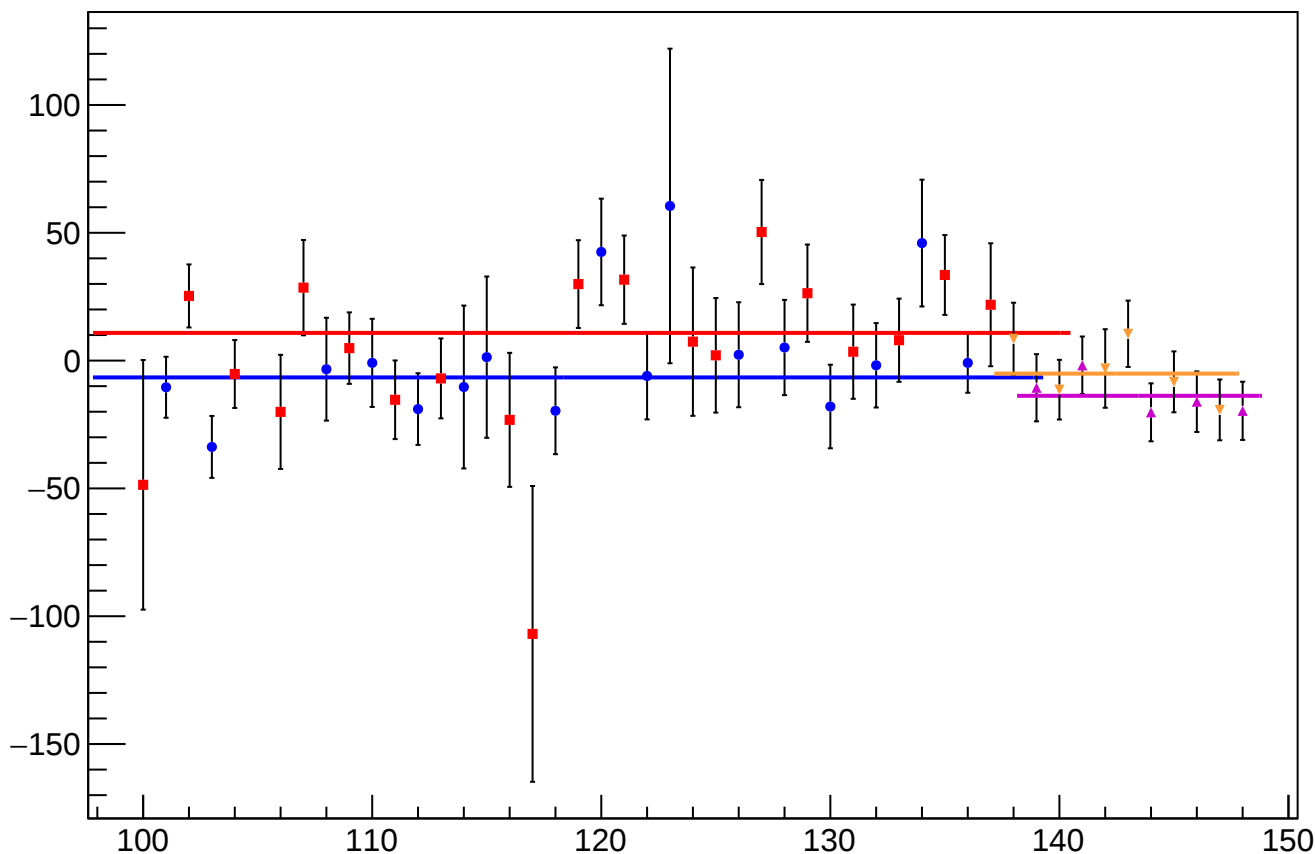
Left In: 244.623 $\pm$ 0.088 χ^2 /NDF:130490.8/4

211.178 $\pm$ 0.048 χ^2 /NDF: 1506848.1/22

199.576 $\pm$ 0.032 χ^2 /NDF: 3828927.4/47

190.090 $\pm$ 0.043 χ^2 /NDF: 2214530.7/24

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: -5.083 ± 5.224 $\chi^2/\text{NDF}: 4.2/5$

Right Out: 10.838 ± 4.070 $\chi^2/\text{NDF}: 27.1/19$

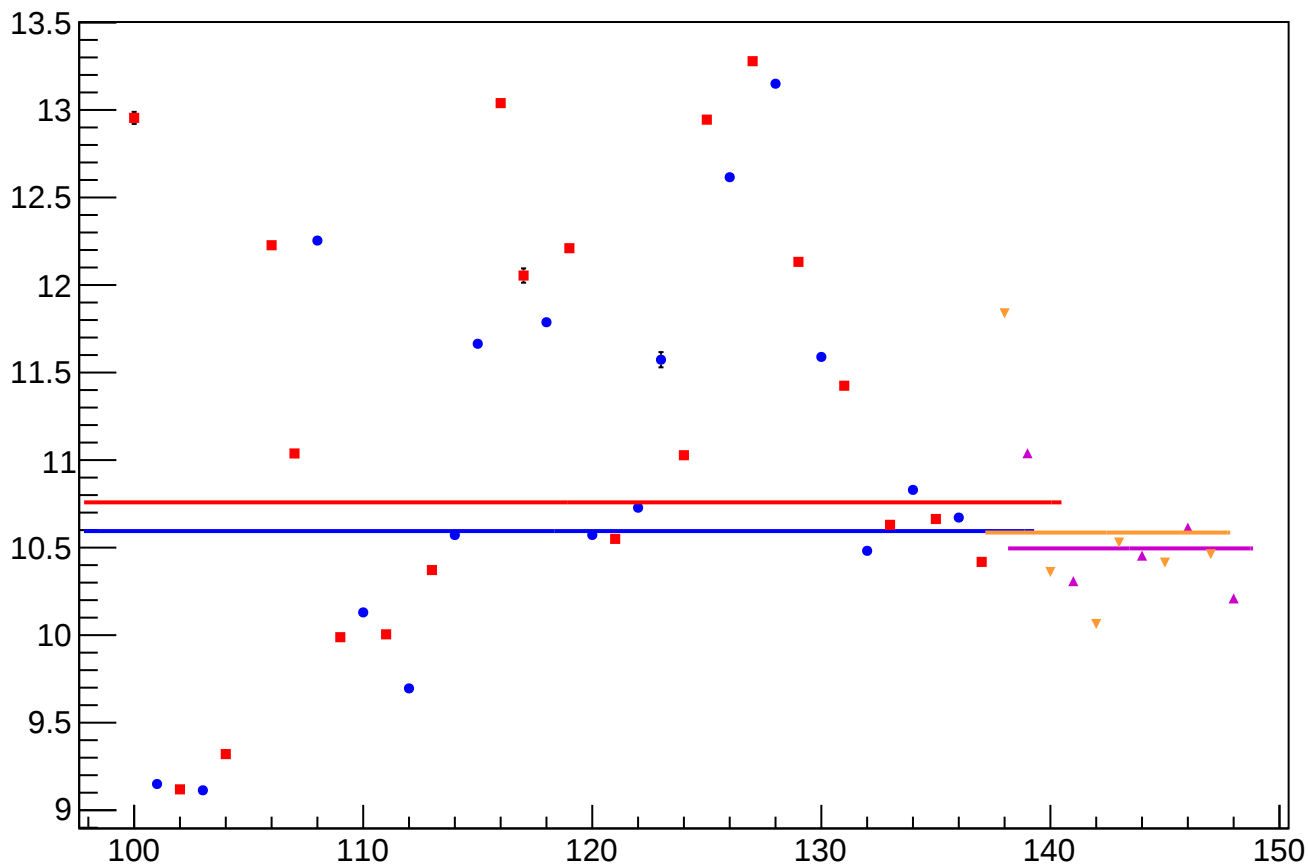
Left In: -13.770 ± 5.251 $\chi^2/\text{NDF}: 1.8/4$

-5.997 ± 3.253 $\chi^2/\text{NDF}: 23.6/22$

-2.154 ± 2.287 $\chi^2/\text{NDF}: 69.0/47$

1.603 ± 3.217 $\chi^2/\text{NDF}: 42.6/24$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 ± 0.003 $\chi^2/\text{NDF}: 160059.2/16$

Left Out: 10.586 ± 0.004 $\chi^2/\text{NDF}: 19474.1/5$

Right Out: 10.758 ± 0.003 $\chi^2/\text{NDF}: 178180.9/19$

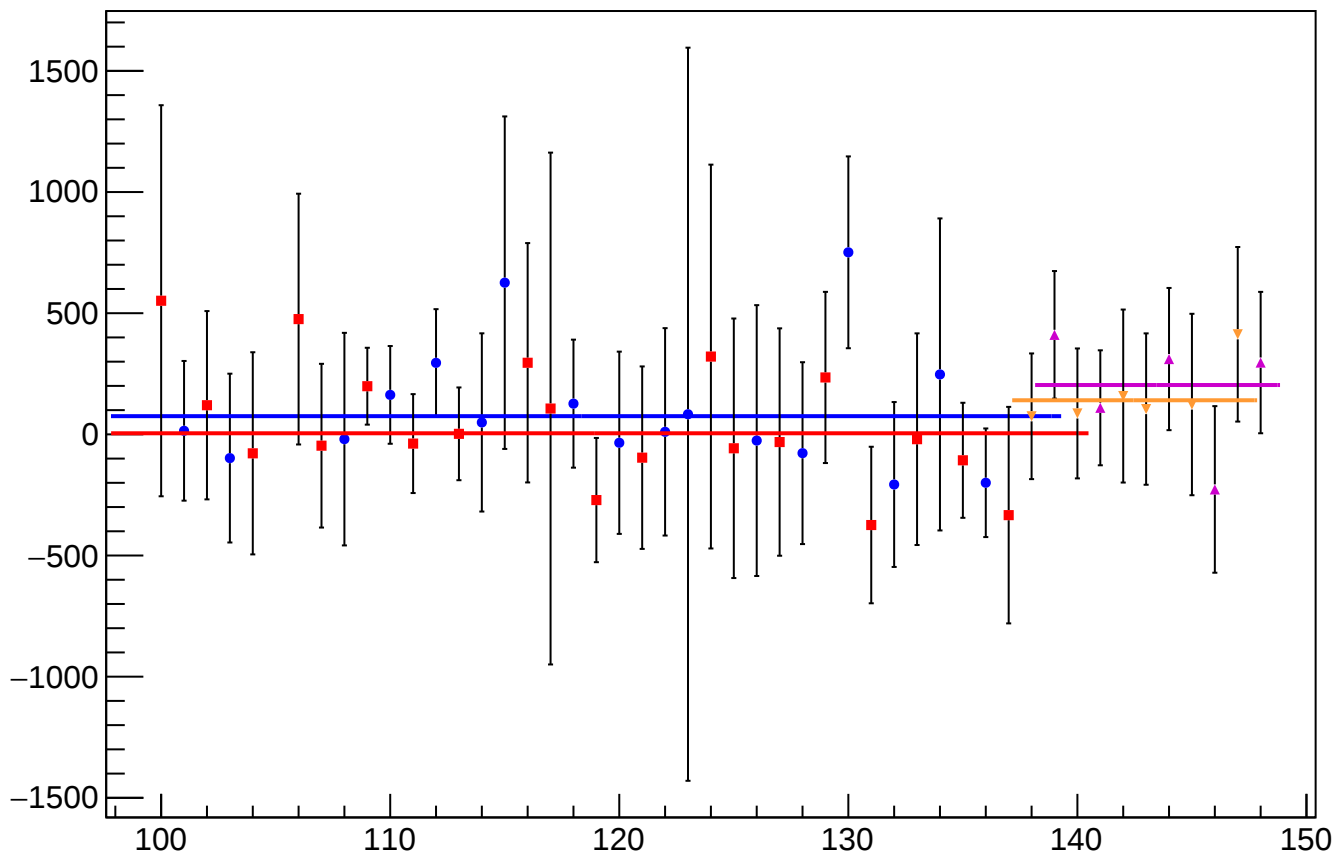
Left In: 10.495 ± 0.004 $\chi^2/\text{NDF}: 5458.8/4$

10.591 ± 0.002 $\chi^2/\text{NDF}: 179536.5/22$

10.626 ± 0.002 $\chi^2/\text{NDF}: 366761.4/47$

10.660 ± 0.002 $\chi^2/\text{NDF}: 186775.5/24$

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086 ± 80.352 χ^2/NDF : 7.7/16

Left Out: 140.676 ± 127.294 χ^2/NDF : 0.7/5

Right Out: 4.459 ± 70.724 χ^2/NDF : 7.3/19

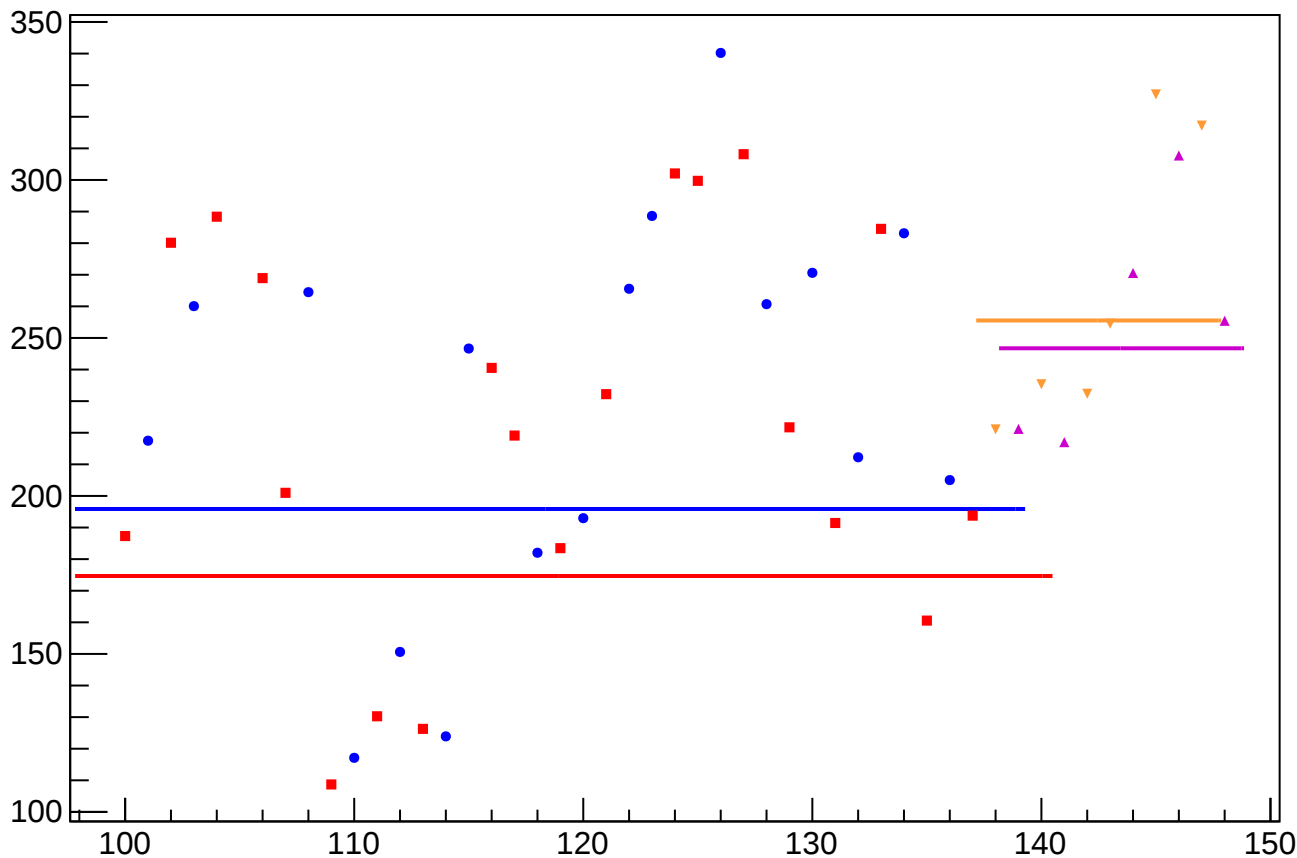
Left In: 203.619 ± 124.996 χ^2/NDF : 2.6/4

93.774 ± 67.947 χ^2/NDF : 8.6/22

71.245 ± 45.618 χ^2/NDF : 20.6/47

52.756 ± 61.554 χ^2/NDF : 11.8/24

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: 255.531 $\pm$ 0.090 χ^2 /NDF:186792.6/5

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

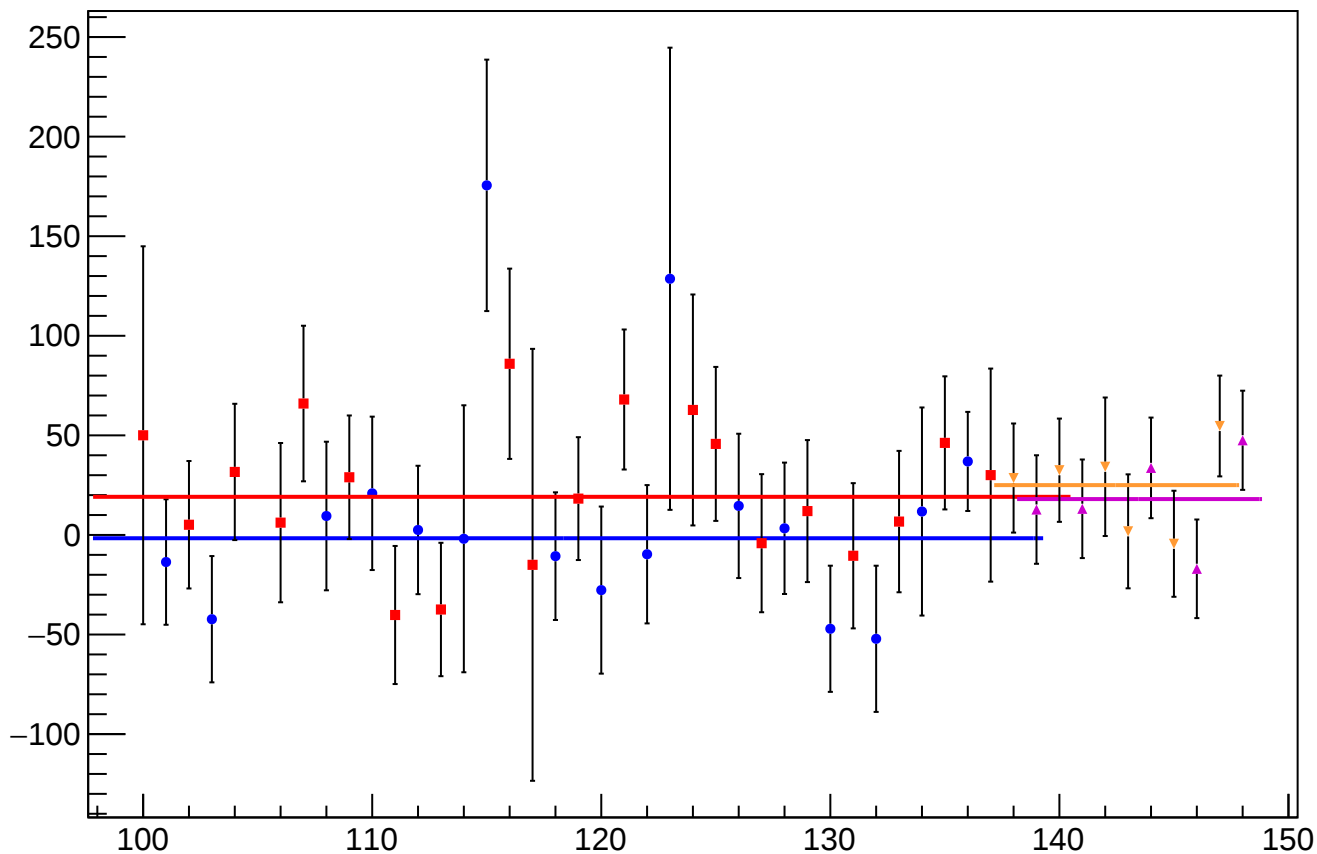
Left In: 246.729 $\pm$ 0.088 χ^2 /NDF:128103.6/4

212.868 $\pm$ 0.048 χ^2 /NDF: 1480212.0/22

201.484 $\pm$ 0.032 χ^2 /NDF: 3746429.9/47

192.141 $\pm$ 0.044 χ^2 /NDF: 2164003.6/24

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: 25.016 ± 11.292 χ^2/NDF : 3.4/5

Right Out: 19.145 ± 8.529 χ^2/NDF : 14.9/19

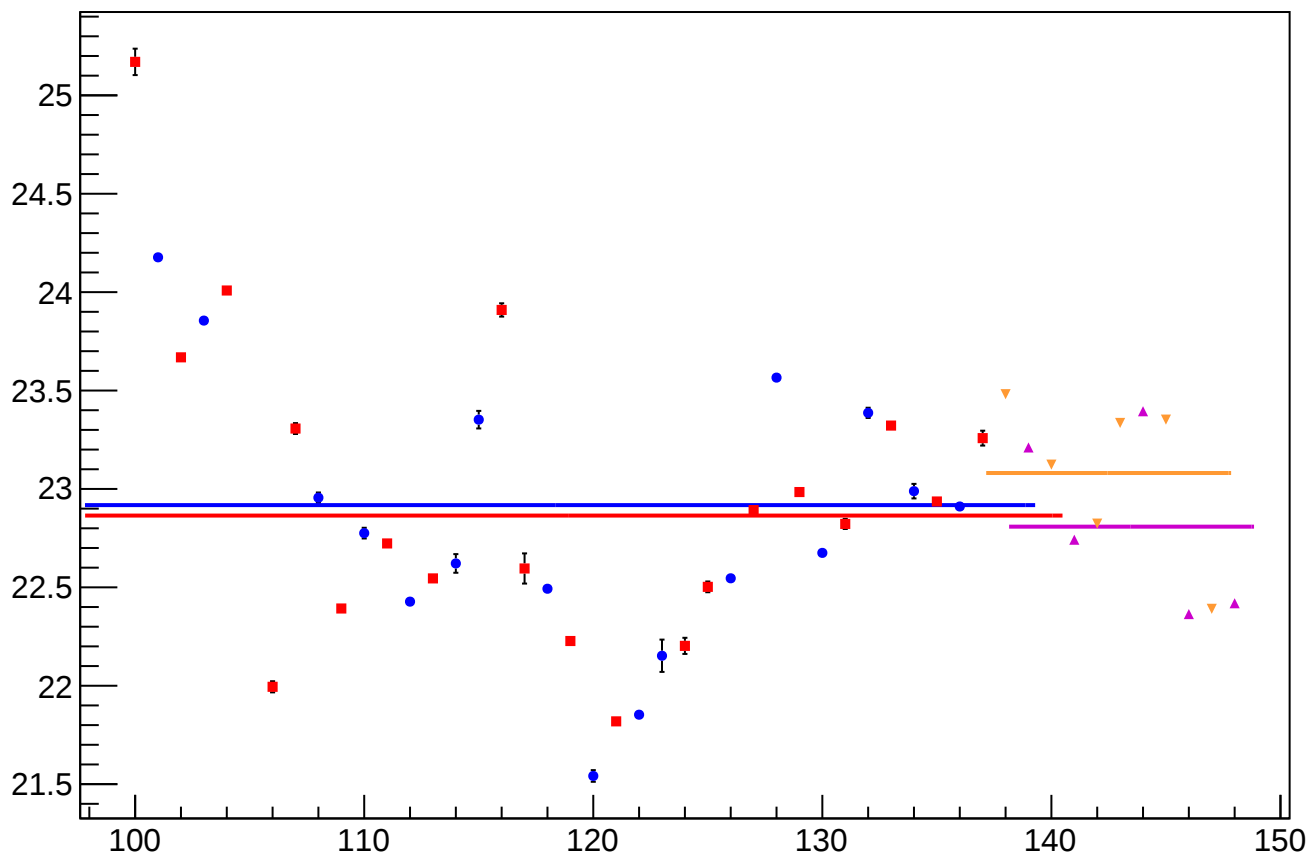
Left In: 18.012 ± 11.329 χ^2/NDF : 3.9/4

8.538 ± 6.981 χ^2/NDF : 25.4/22

13.760 ± 4.876 χ^2/NDF : 45.2/47

18.735 ± 6.814 χ^2/NDF : 18.7/24

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: 23.081 $\pm$ 0.008 χ^2 /NDF: 2395.9/5

Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11064.9/19

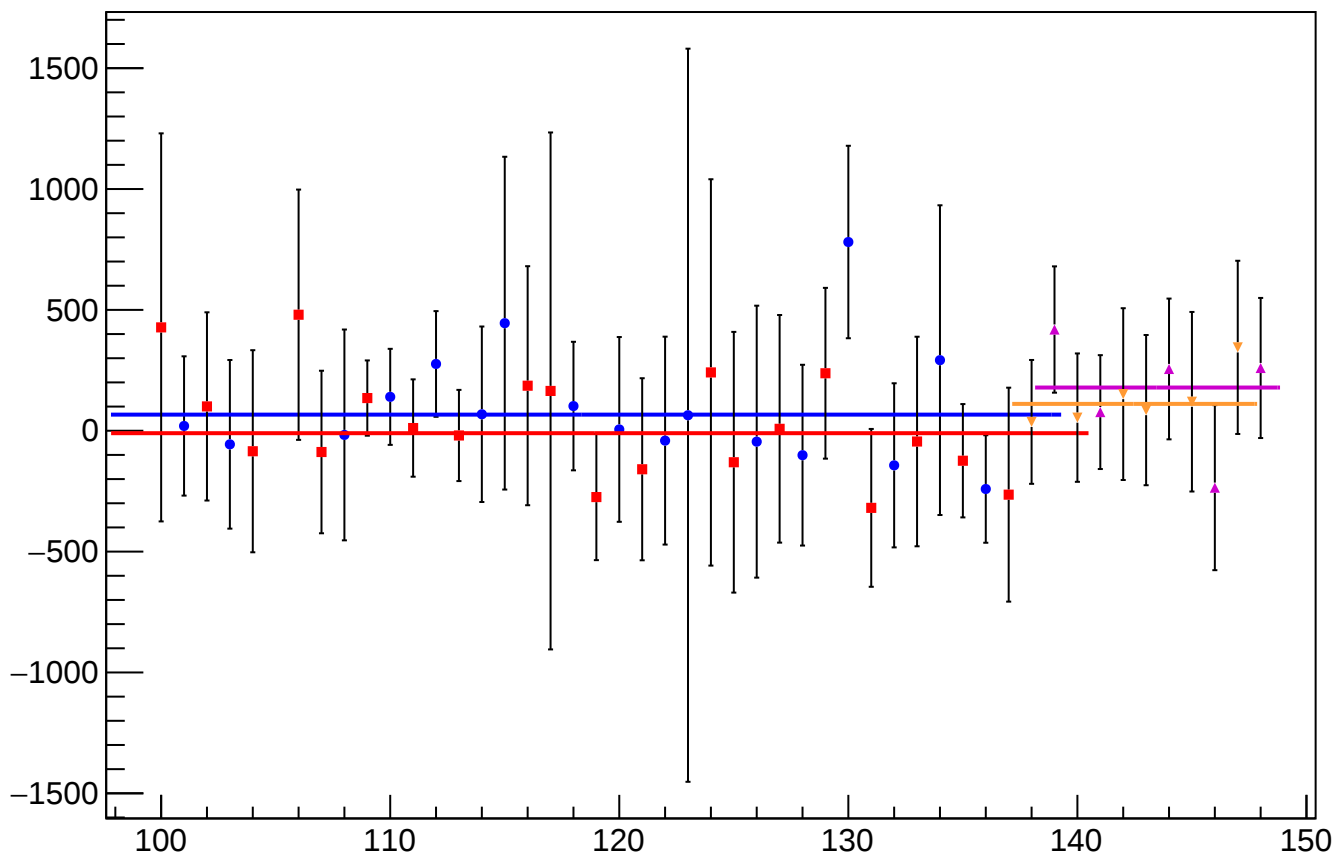
Left In: 22.808 $\pm$ 0.008 χ^2 /NDF: 2661.2/4

22.980 $\pm$ 0.005 χ^2 /NDF: 14125.9/22

22.911 $\pm$ 0.003 χ^2 /NDF: 28271.5/47

22.844 $\pm$ 0.005 χ^2 /NDF: 13757.7/24

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: 111.096+/-126.258 χ^2/NDF : 0.6/5

Right Out: -10.113+/-70.234 χ^2/NDF : 5.7/19

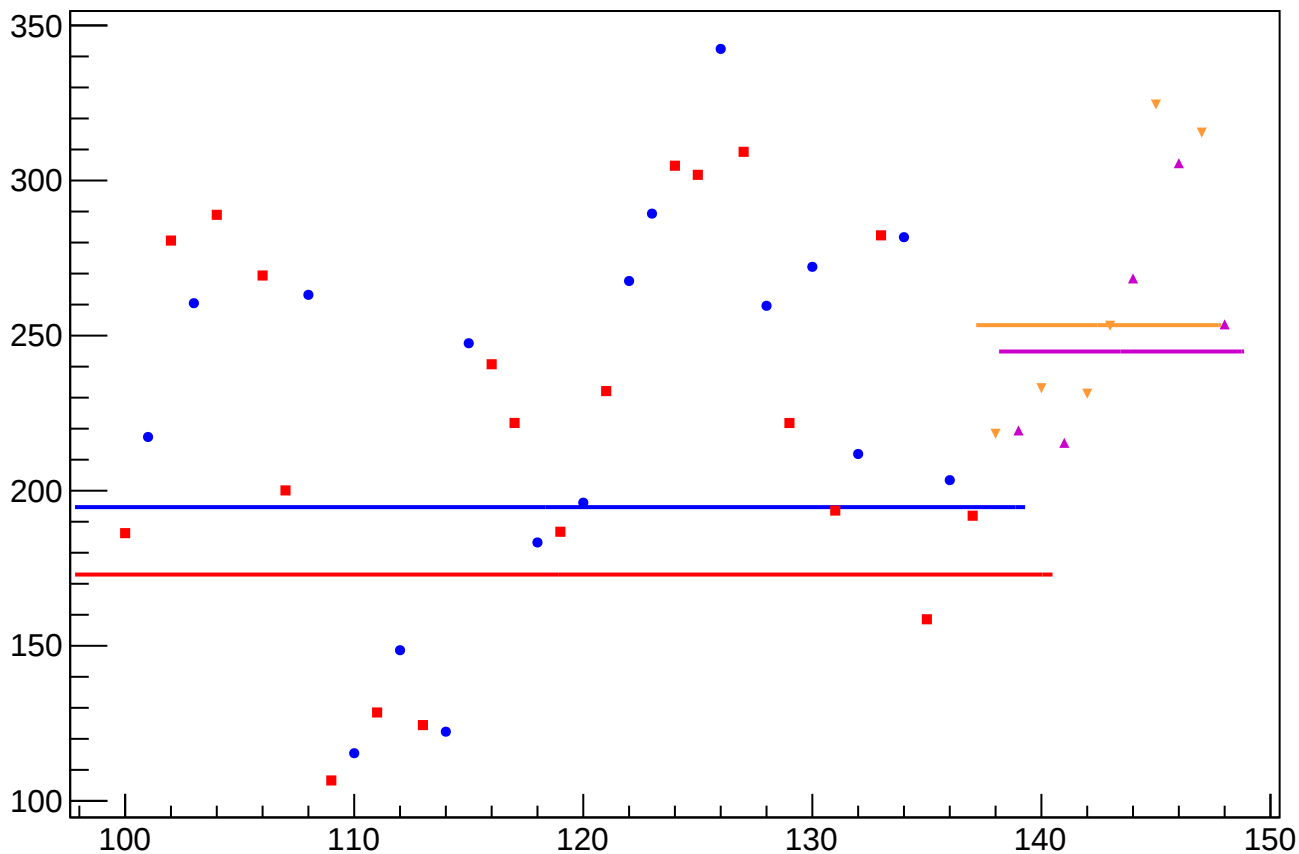
Left In: 178.757+/-124.077 χ^2/NDF : 2.6/4

79.417+/-67.574 χ^2/NDF : 8.2/22

55.383+/-45.329 χ^2/NDF : 18.6/47

35.719+/-61.121 χ^2/NDF : 10.1/24

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 253.376 $\pm$ 0.089 χ^2 /NDF:190207.4/5

Right Out: 172.965 $\pm$ 0.050 χ^2 /NDF: 1601142.0/19

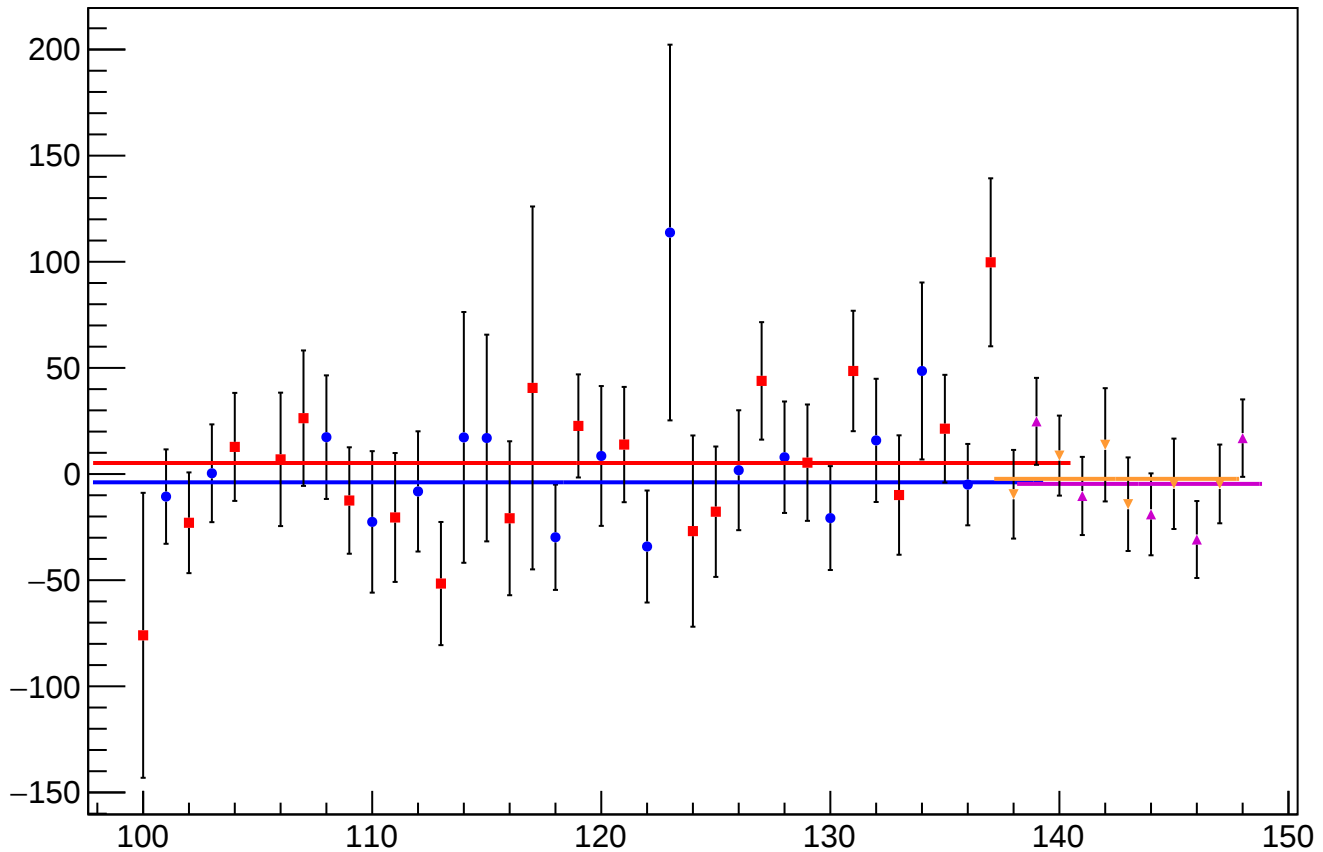
Left In: 244.875 $\pm$ 0.088 χ^2 /NDF:128391.9/4

211.509 $\pm$ 0.048 χ^2 /NDF: 1518268.4/22

199.907 $\pm$ 0.032 χ^2 /NDF: 3863754.0/47

190.415 $\pm$ 0.043 χ^2 /NDF: 2238292.3/24

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: -2.263+/-8.548 χ^2/NDF : 1.1/5

Right Out: 5.204+/-6.706 χ^2/NDF : 21.5/19

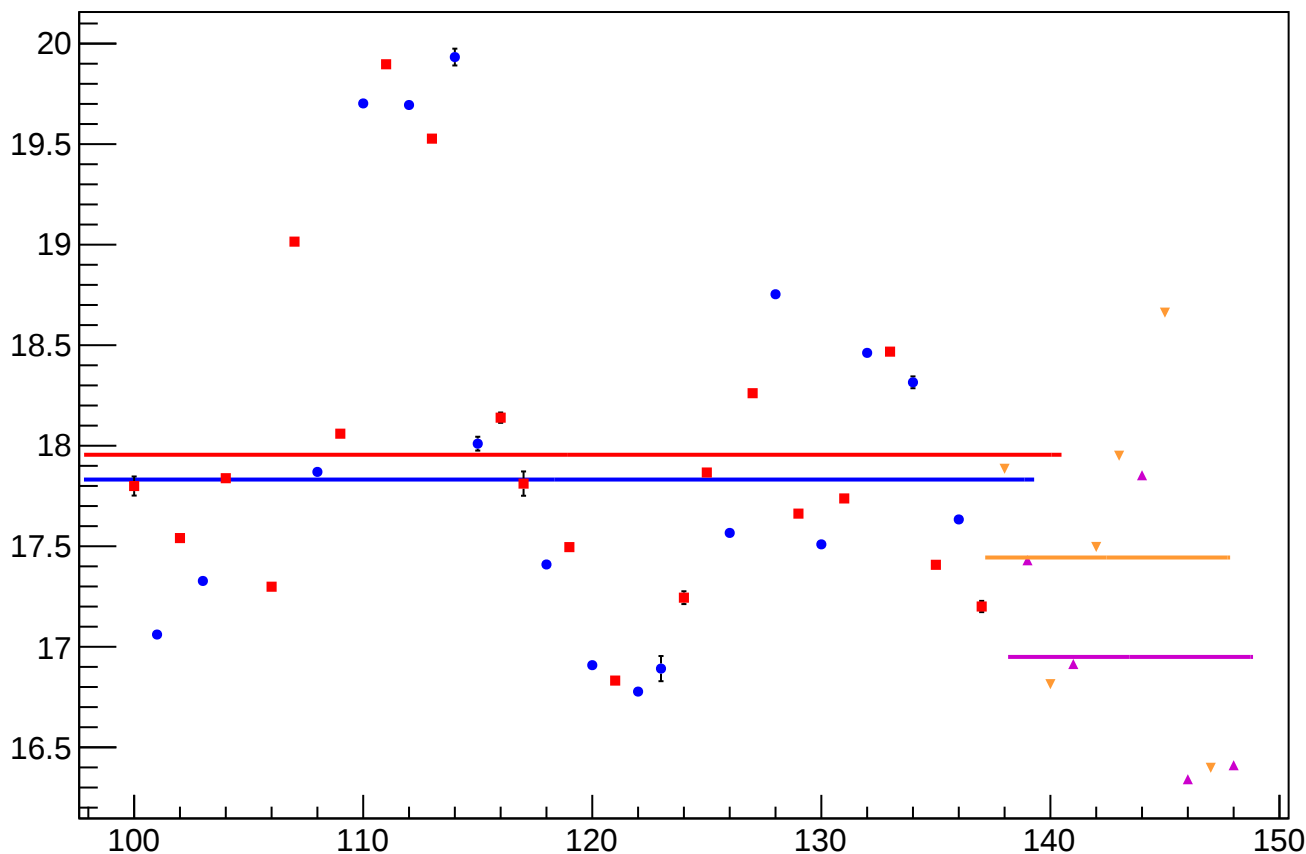
Left In: -4.640+/-8.432 χ^2/NDF : 6.2/4

-3.249+/-5.376 χ^2/NDF : 9.6/22

-0.874+/-3.756 χ^2/NDF : 38.5/47

1.390+/-5.249 χ^2/NDF : 28.5/24

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 ± 0.005 $\chi^2/\text{NDF}: 30863.4/16$

Left Out: 17.444 ± 0.006 $\chi^2/\text{NDF}: 17093.8/5$

Right Out: 17.955 ± 0.005 $\chi^2/\text{NDF}: 25454.6/19$

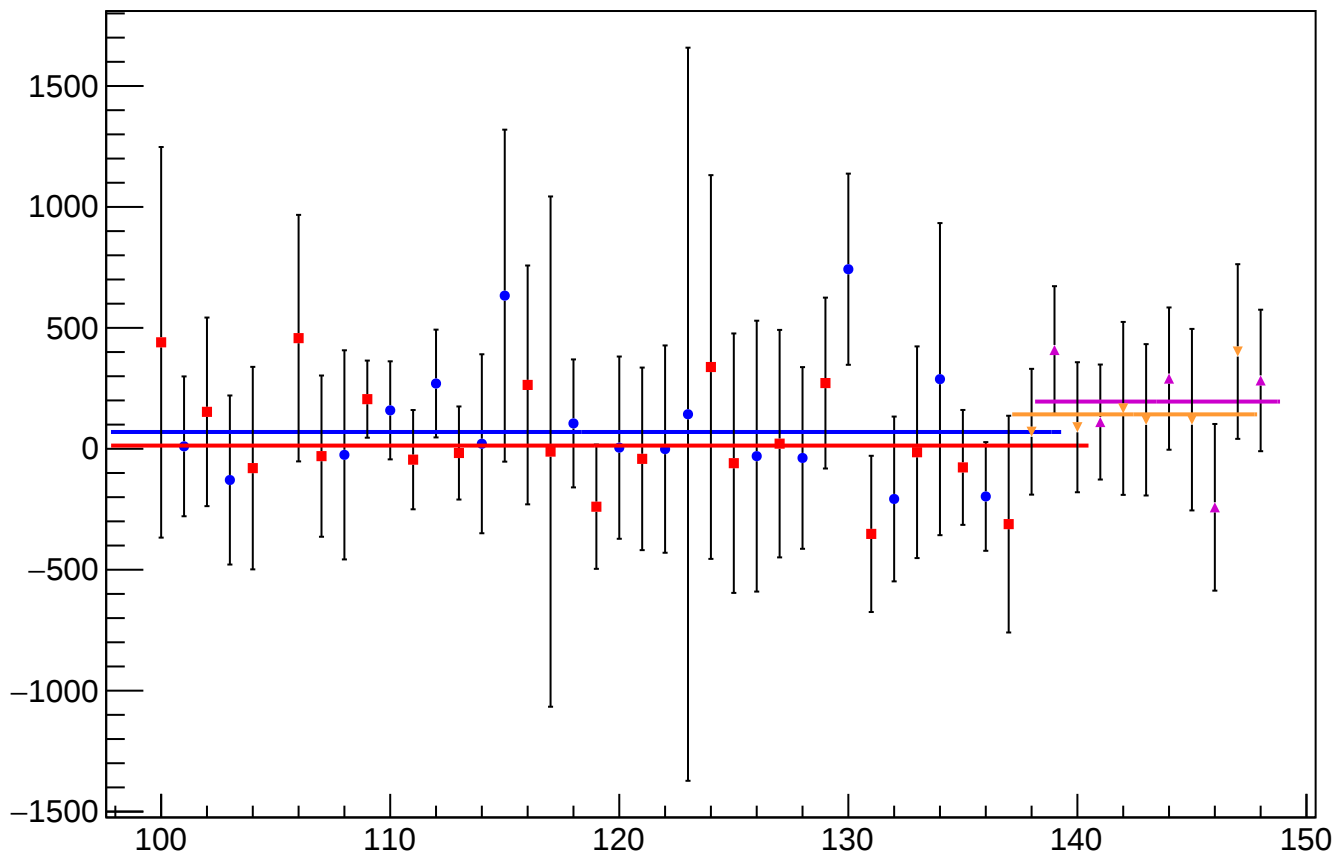
Left In: 16.950 ± 0.006 $\chi^2/\text{NDF}: 9490.3/4$

17.678 ± 0.004 $\chi^2/\text{NDF}: 50444.2/22$

17.621 ± 0.003 $\chi^2/\text{NDF}: 103259.6/47$

17.566 ± 0.004 $\chi^2/\text{NDF}: 52364.0/24$

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: 142.382 $\pm$ 127.584 χ^2 /NDF:0.6/5

Right Out: 13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

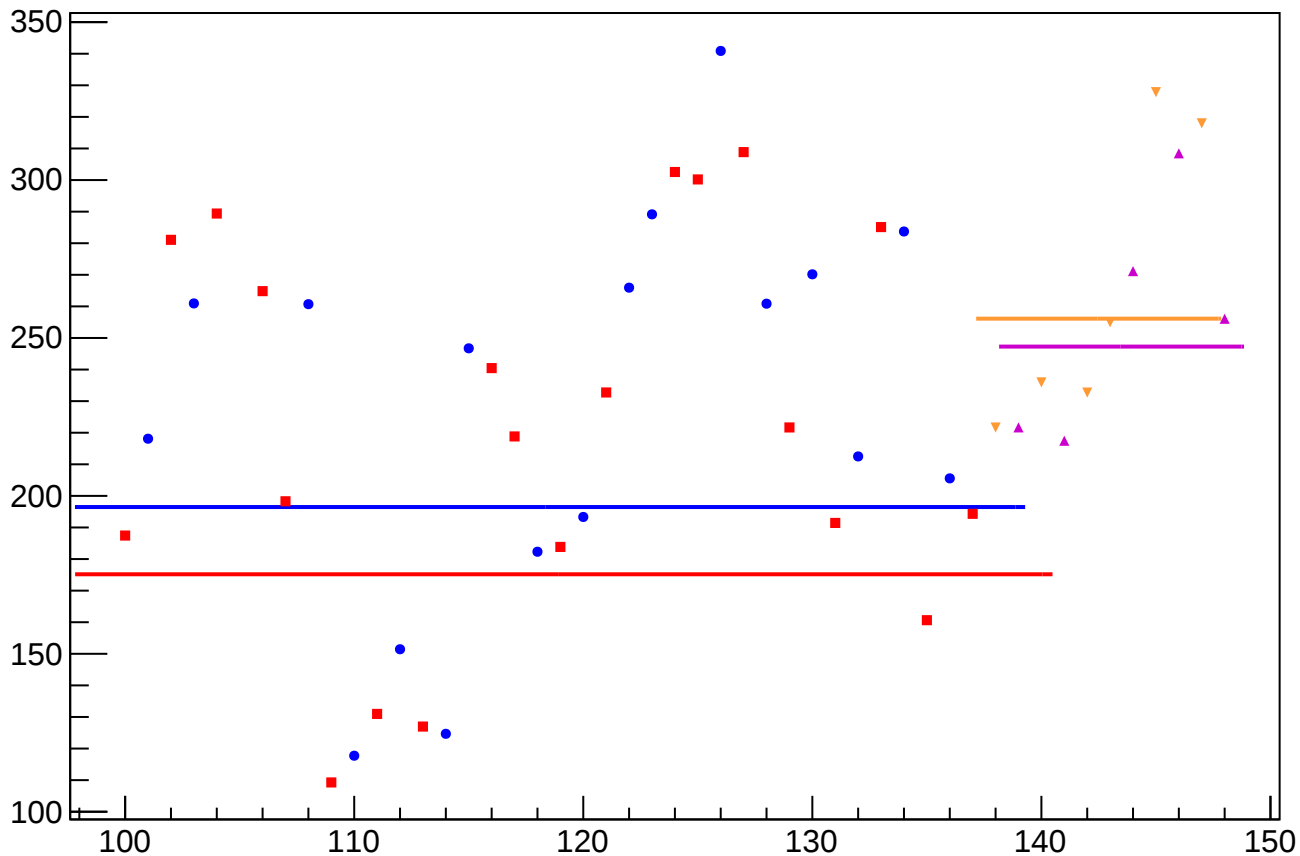
Left In: 195.249 $\pm$ 125.272 χ^2 /NDF:2.6/4

90.279 $\pm$ 68.111 χ^2 /NDF: 8.3/22

72.229 $\pm$ 45.724 χ^2 /NDF: 19.3/47

57.422 $\pm$ 61.690 χ^2 /NDF: 10.9/24

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 +/- 0.057 χ^2/NDF : 964281.5/16

Left Out: 256.115 +/- 0.090 χ^2/NDF : 186744.6/5

Right Out: 175.179 +/- 0.050 χ^2/NDF : 1514541.6/19

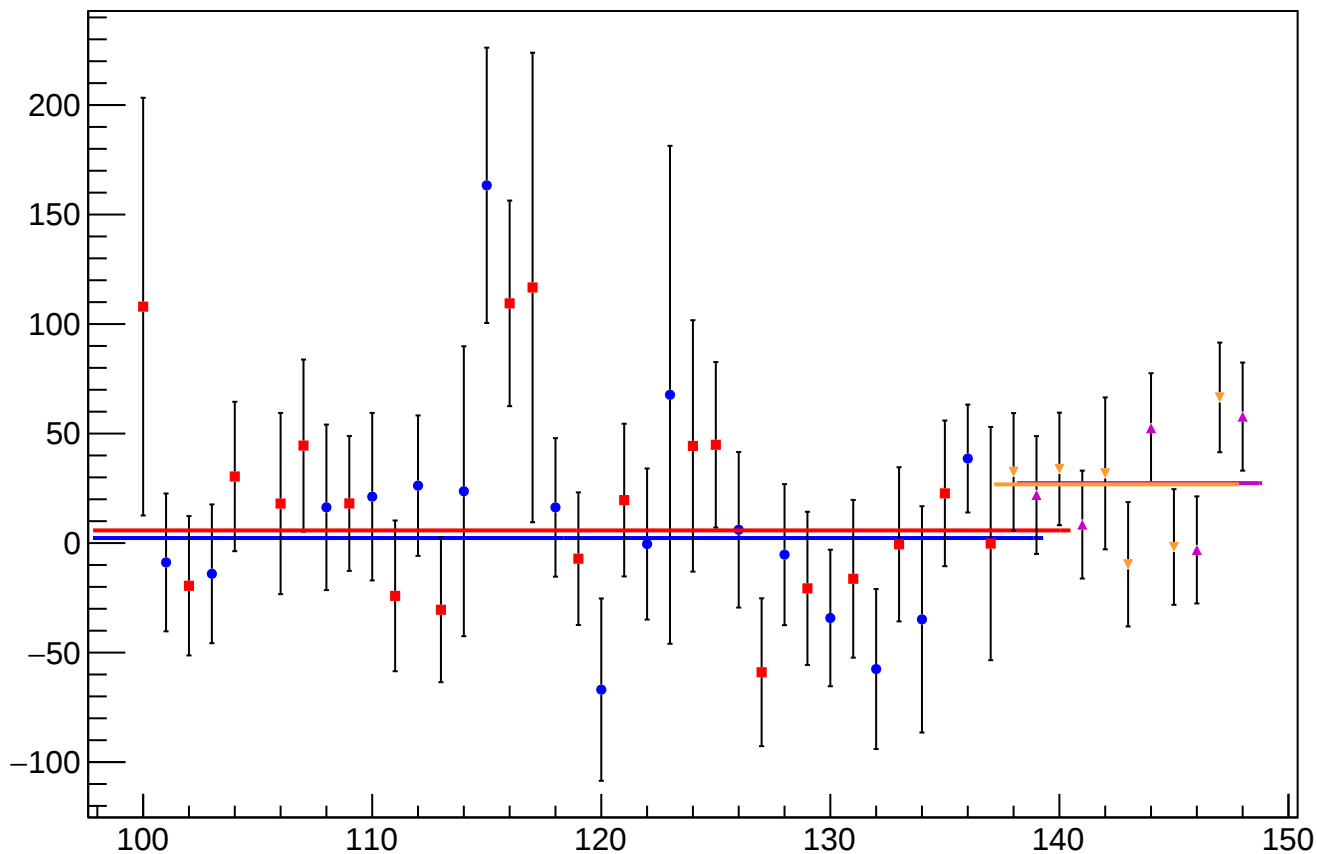
Left In: 247.273 +/- 0.089 χ^2/NDF : 128336.9/4

213.469 +/- 0.048 χ^2/NDF : 1463554.1/22

202.039 +/- 0.032 χ^2/NDF : 3710722.7/47

192.662 +/- 0.044 χ^2/NDF : 2144641.1/24

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 26.802 ± 11.175 $\chi^2/\text{NDF}: 5.5/5$

Right Out: 5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

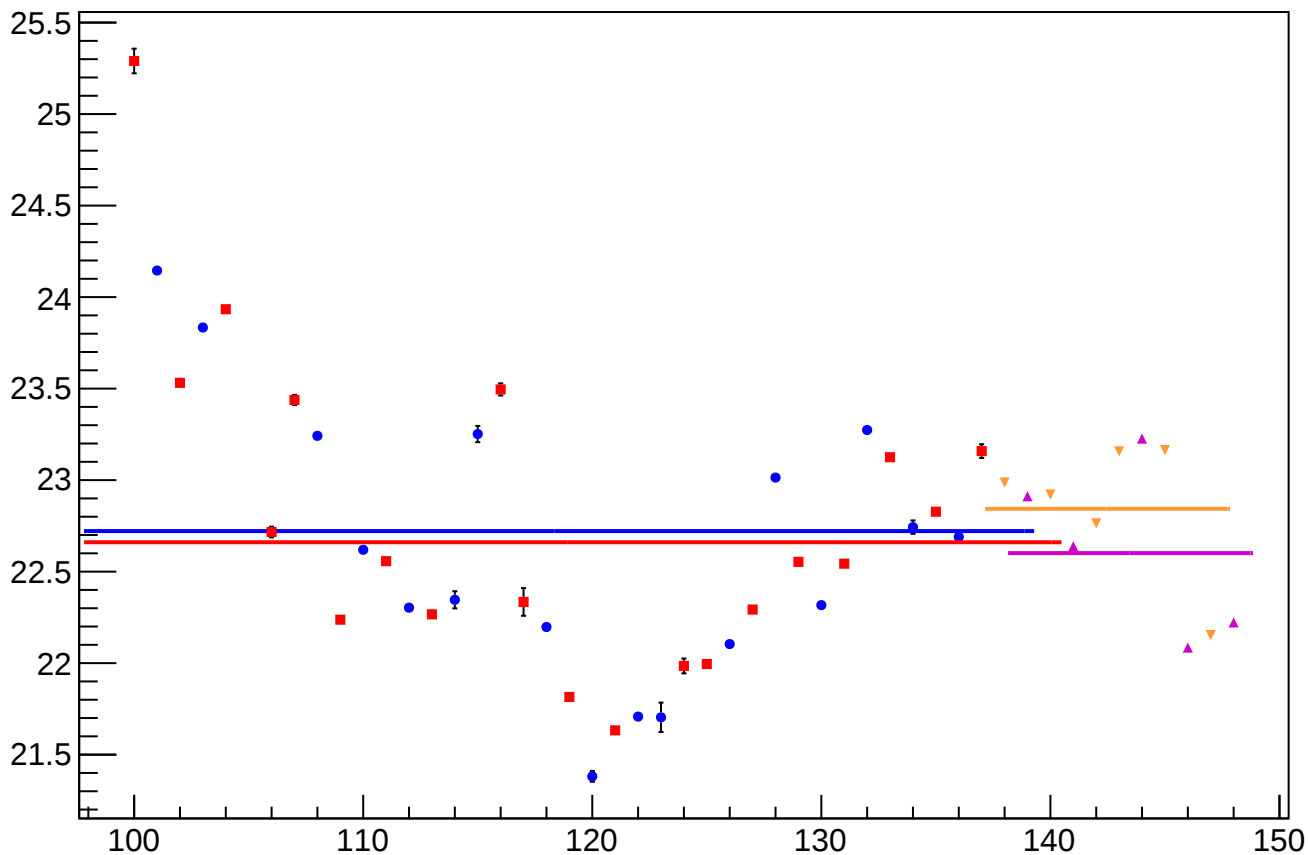
Left In: 27.383 ± 11.226 $\chi^2/\text{NDF}: 4.7/4$

11.690 ± 6.916 $\chi^2/\text{NDF}: 26.5/22$

12.667 ± 4.832 $\chi^2/\text{NDF}: 51.9/47$

13.599 ± 6.753 $\chi^2/\text{NDF}: 25.3/24$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722+/-0.006 χ^2/NDF : 13580.6/16

Left Out: 22.843+/-0.008 χ^2/NDF : 2145.4/5

Right Out: 22.660+/-0.006 χ^2/NDF : 12974.2/19

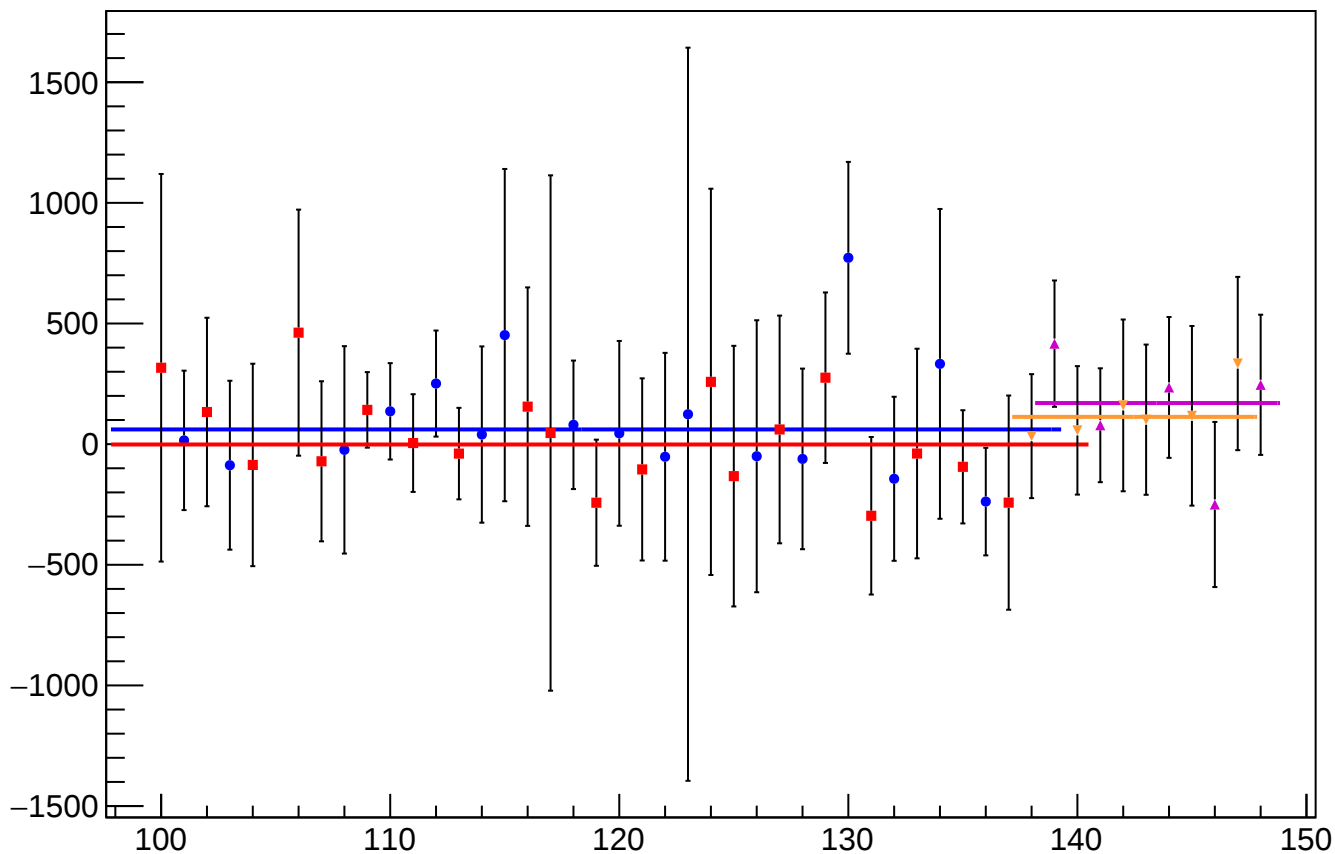
Left In: 22.601+/-0.008 χ^2/NDF : 2879.3/4

22.768+/-0.005 χ^2/NDF : 15872.5/22

22.702+/-0.003 χ^2/NDF : 32118.7/47

22.639+/-0.005 χ^2/NDF : 15889.0/24

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: 113.050 $\pm$ 126.549 χ^2 /NDF: 0.5/5

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

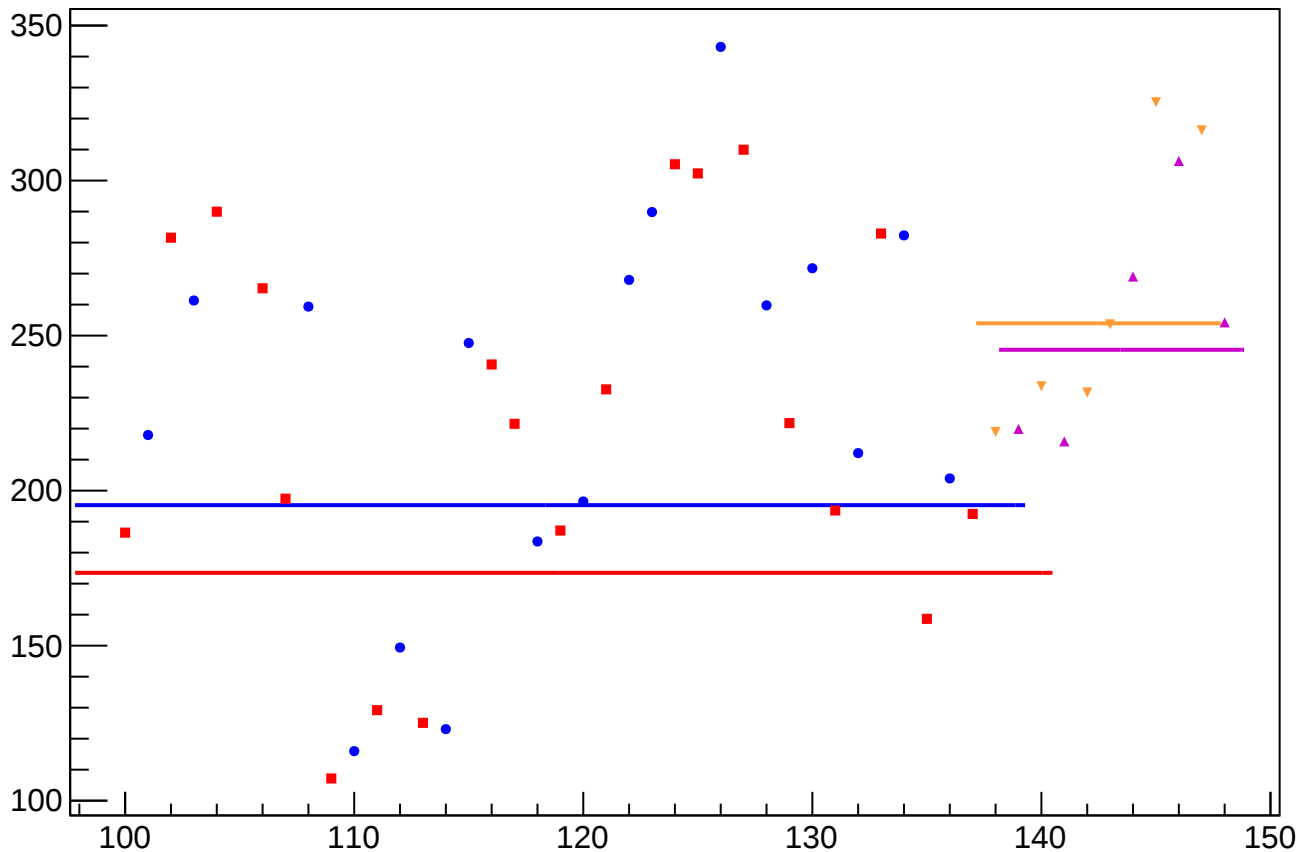
Left In: 170.380 $\pm$ 124.354 χ^2 /NDF: 2.7/4

75.886 $\pm$ 67.740 χ^2 /NDF: 7.9/22

56.287 $\pm$ 45.436 χ^2 /NDF: 17.3/47

40.259 $\pm$ 61.261 χ^2 /NDF: 9.3/24

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 253.961+/-0.089 χ^2/NDF :190136.5/5

Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

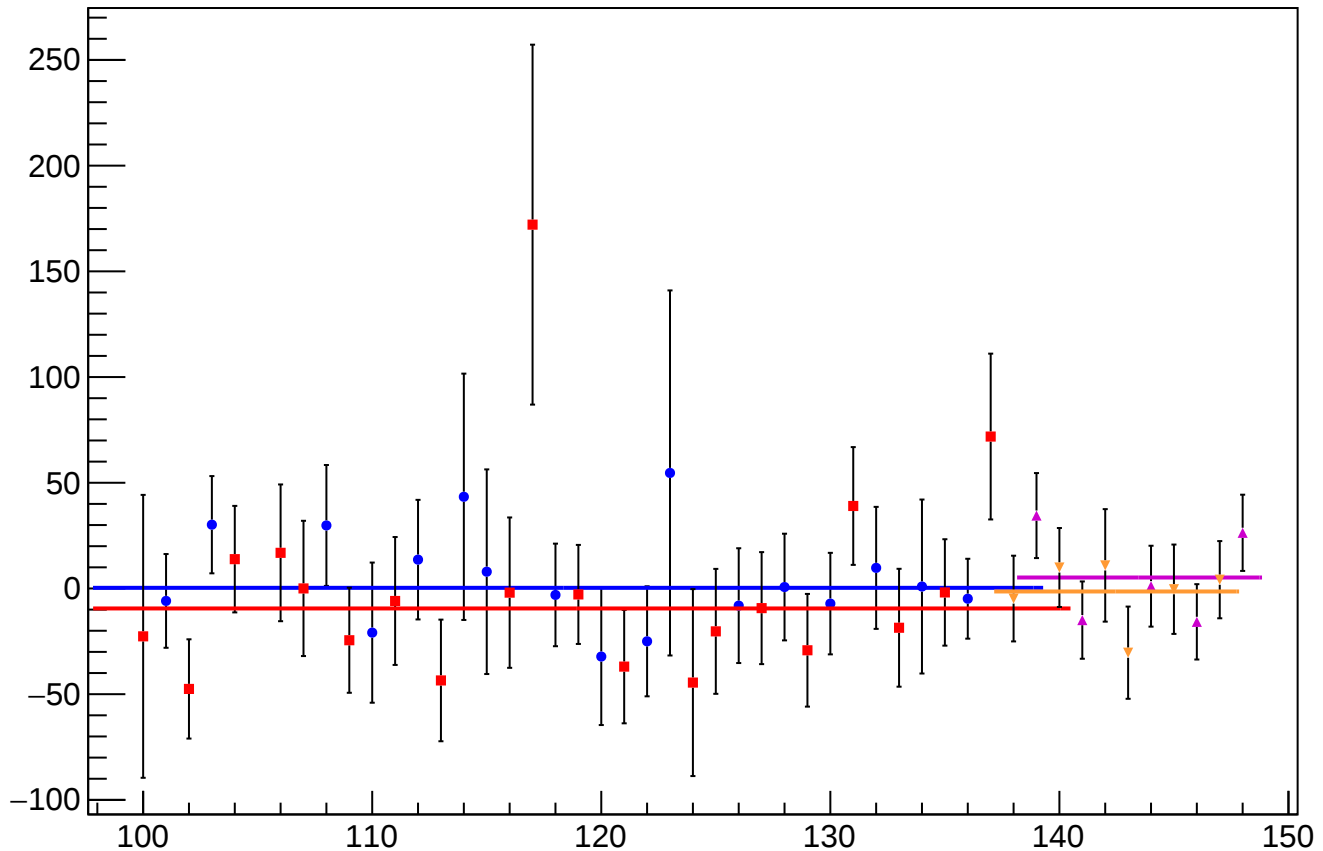
Left In: 245.421+/-0.088 χ^2/NDF :128617.8/4

212.119+/-0.048 χ^2/NDF : 1500796.4/22

200.474+/-0.032 χ^2/NDF : 3826022.3/47

190.950+/-0.043 χ^2/NDF : 2217781.0/24

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 $\chi^2/\text{NDF}: 6.8/16$

Left Out: -1.418 ± 8.435 $\chi^2/\text{NDF}: 2.5/5$

Right Out: -9.452 ± 6.608 $\chi^2/\text{NDF}: 20.6/19$

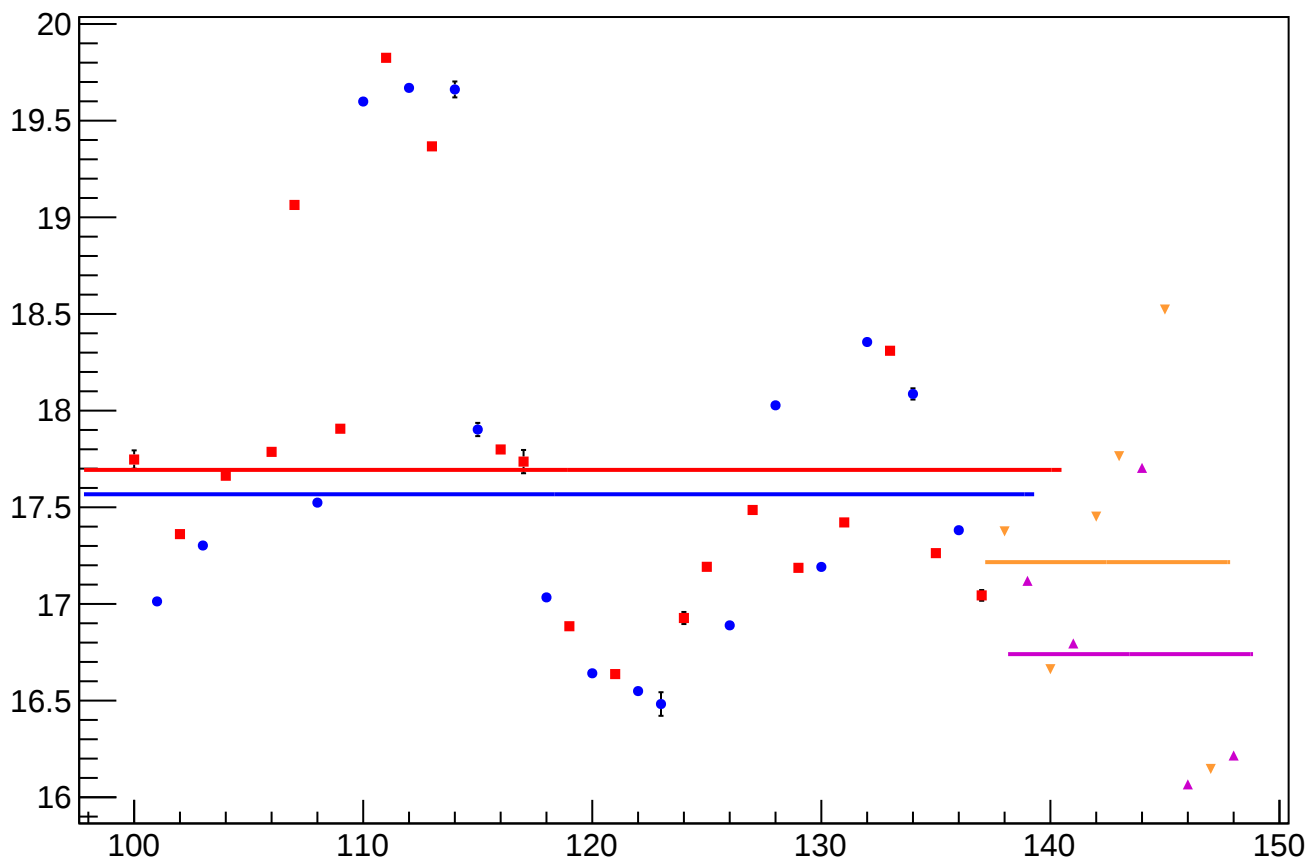
Left In: 5.185 ± 8.326 $\chi^2/\text{NDF}: 6.1/4$

-0.375 ± 5.300 $\chi^2/\text{NDF}: 9.3/22$

-2.126 ± 3.703 $\chi^2/\text{NDF}: 38.1/47$

-3.796 ± 5.176 $\chi^2/\text{NDF}: 28.7/24$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567±/0.005 χ^2/NDF : 33145.0/16

Left Out: 17.216±/0.006 χ^2/NDF : 17811.9/5

Right Out: 17.693±/0.005 χ^2/NDF : 30767.6/19

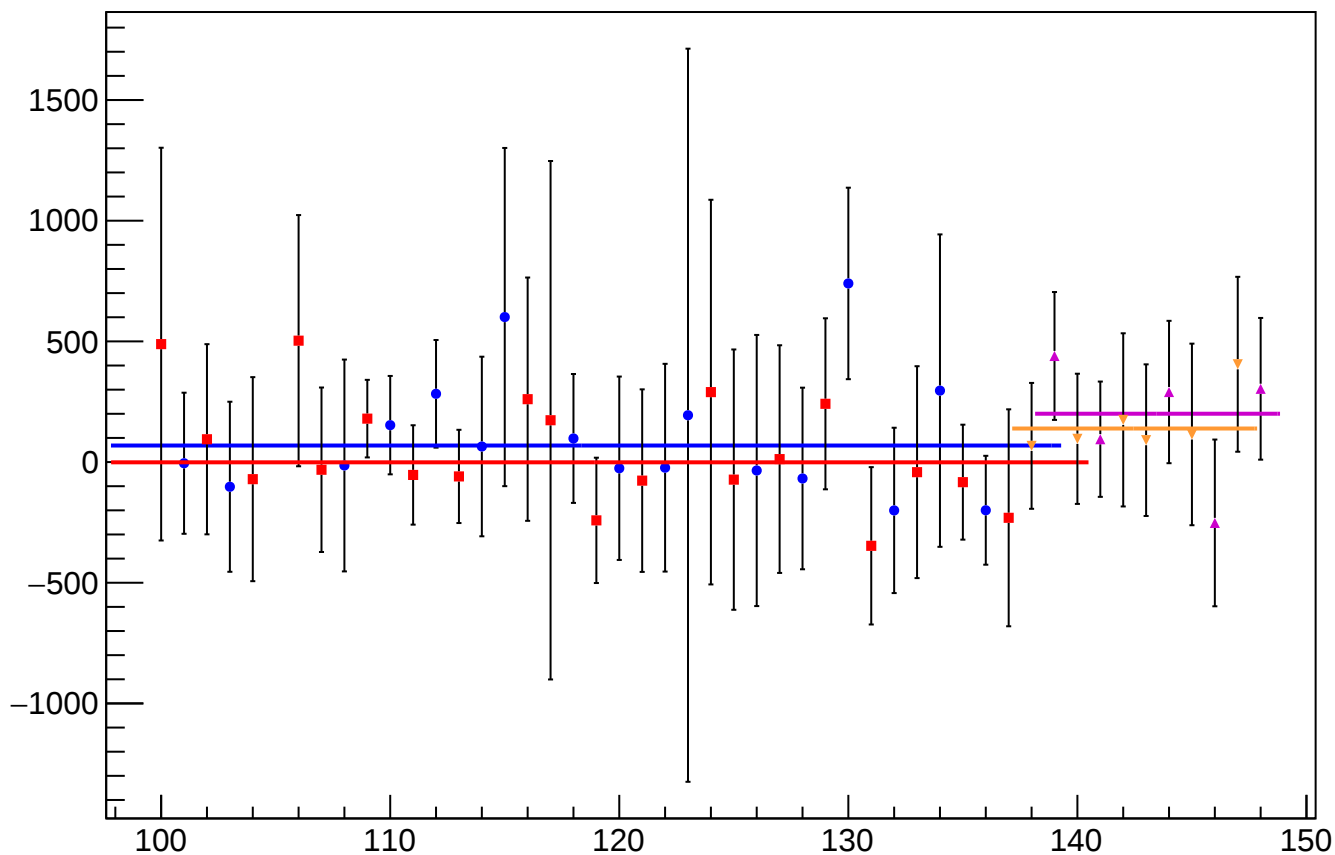
Left In: 16.740±/0.006 χ^2/NDF : 10353.6/4

17.429±/0.004 χ^2/NDF : 53053.5/22

17.376±/0.003 χ^2/NDF : 110643.2/47

17.325±/0.004 χ^2/NDF : 57198.3/24

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: 138.994 $\pm$ 127.997 χ^2 /NDF: 0.7/5

Right Out: -1.057 $\pm$ 71.380 χ^2 /NDF: 6.1/19

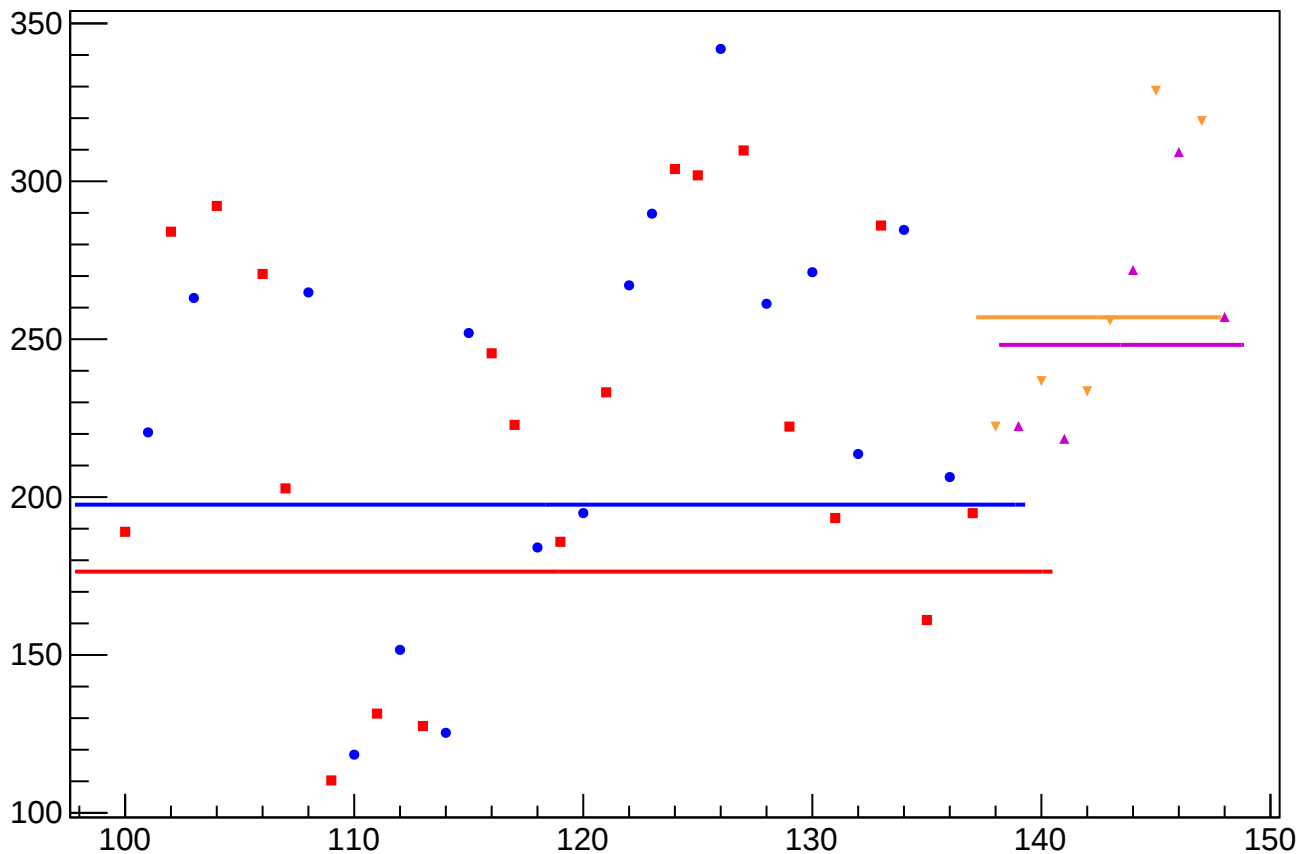
Left In: 200.270 $\pm$ 125.728 χ^2 /NDF: 2.9/4

88.703 $\pm$ 68.457 χ^2 /NDF: 8.2/22

66.375 $\pm$ 45.984 χ^2 /NDF: 19.4/47

48.017 $\pm$ 62.074 χ^2 /NDF: 11.0/24

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: 256.948 $\pm$ 0.091 χ^2/NDF :186534.6/5

Right Out: 176.407 $\pm$ 0.050 χ^2/NDF : 1523589.5/19

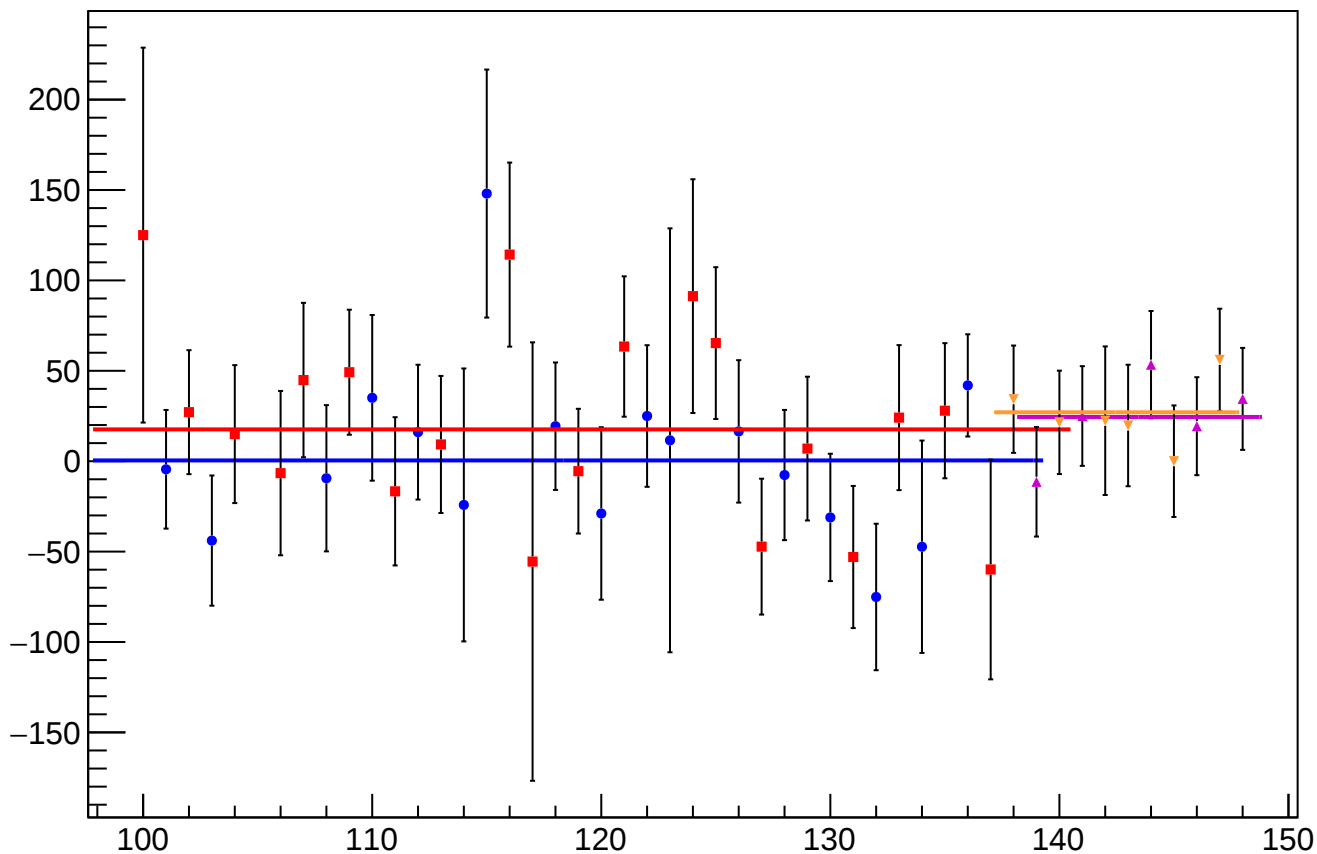
Left In: 248.204 $\pm$ 0.089 χ^2/NDF :127044.5/4

214.579 $\pm$ 0.048 χ^2/NDF : 1462309.5/22

203.235 $\pm$ 0.033 χ^2/NDF : 3706229.4/47

193.908 $\pm$ 0.044 χ^2/NDF : 2143846.3/24

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 27.055 ± 12.765 $\chi^2/\text{NDF}: 2.0/5$

Right Out: 17.595 ± 9.470 $\chi^2/\text{NDF}: 19.8/19$

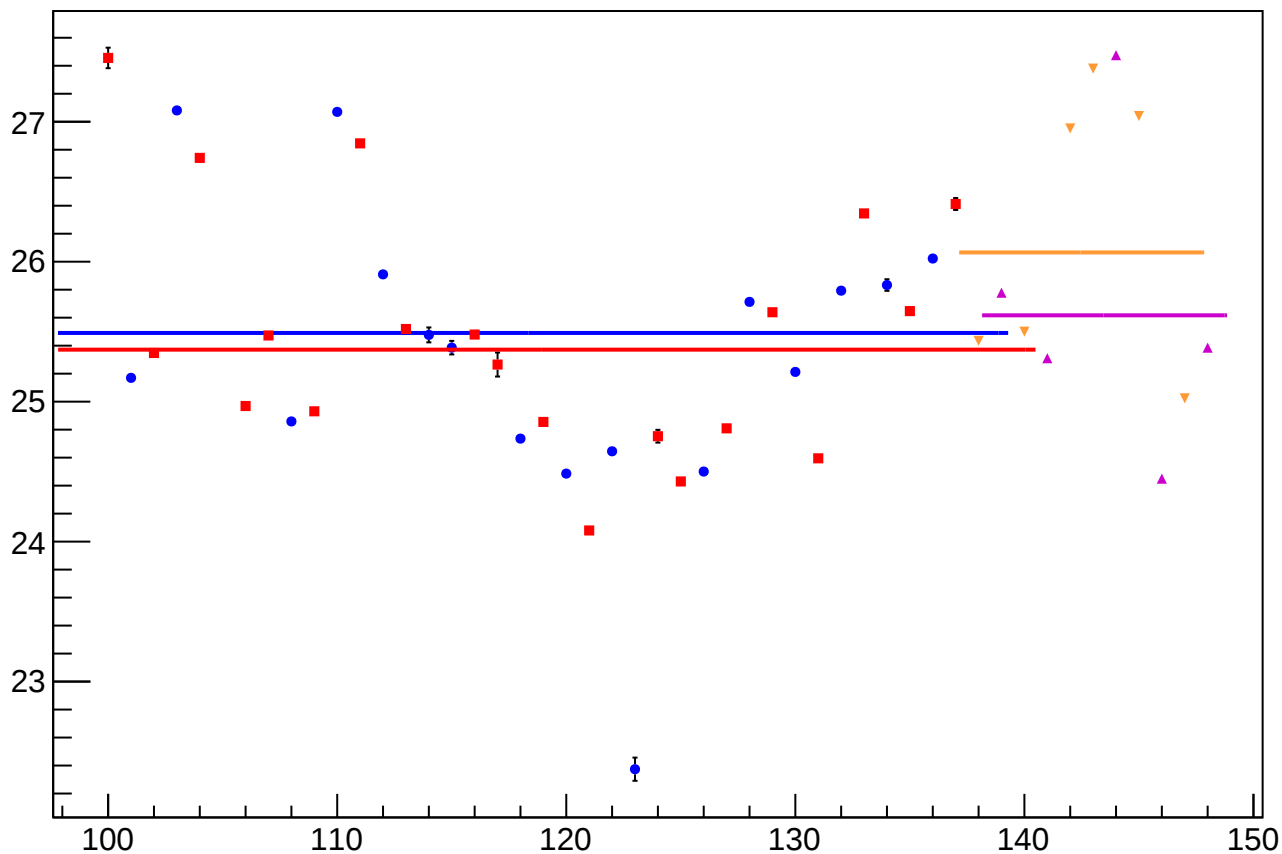
Left In: 24.466 ± 12.741 $\chi^2/\text{NDF}: 2.5/4$

10.408 ± 7.815 $\chi^2/\text{NDF}: 20.2/22$

15.358 ± 5.449 $\chi^2/\text{NDF}: 43.5/47$

20.040 ± 7.600 $\chi^2/\text{NDF}: 22.5/24$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 26.066 $\pm$ 0.009 χ^2 /NDF:10388.8/5

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

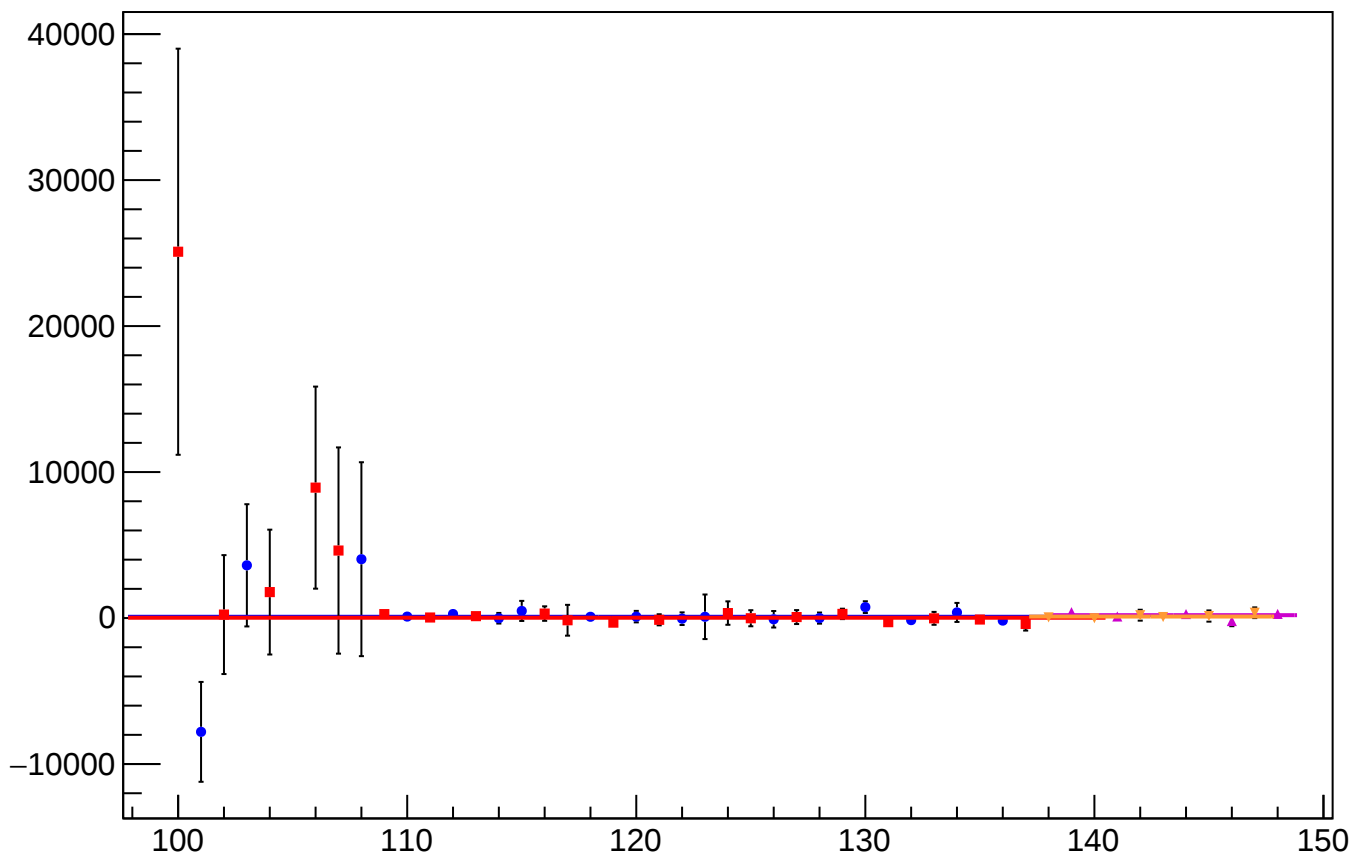
Left In: 25.617 $\pm$ 0.009 χ^2 /NDF:11984.4/4

25.706 $\pm$ 0.006 χ^2 /NDF: 26640.8/22

25.579 $\pm$ 0.004 χ^2 /NDF: 53686.9/47

25.459 $\pm$ 0.005 χ^2 /NDF: 26014.1/24

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: 103.182+/-128.775 χ^2/NDF : 0.8/5

Right Out: 22.332+/-80.711 χ^2/NDF : 11.9/19

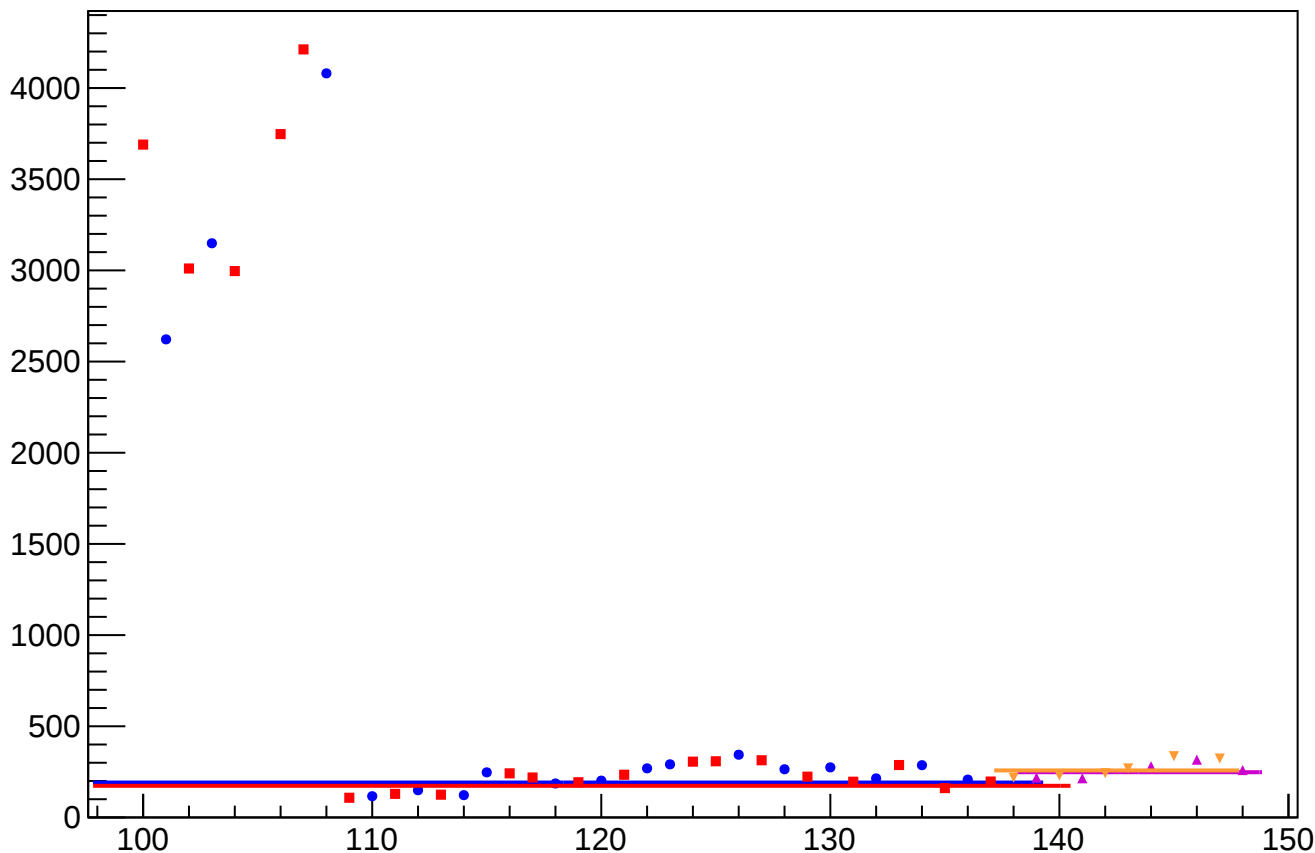
Left In: 197.611+/-125.985 χ^2/NDF : 2.2/4

91.884+/-72.893 χ^2/NDF : 13.3/22

81.962+/-49.708 χ^2/NDF : 28.9/47

73.337+/-67.961 χ^2/NDF : 15.5/24

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: 257.918+/-0.091 χ^2/NDF : 220823.8/5

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

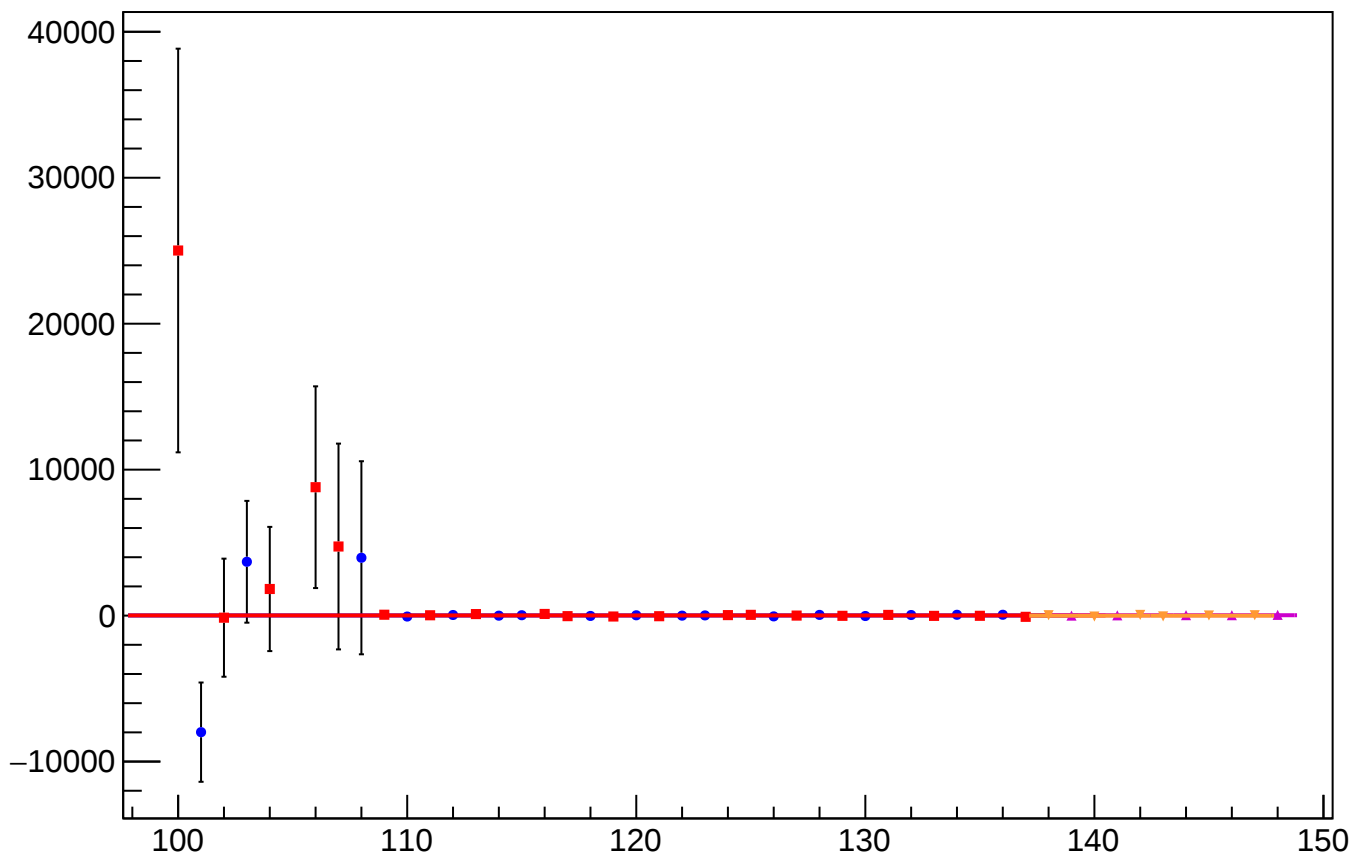
Left In: 248.024+/-0.089 χ^2/NDF : 168066.9/4

212.767+/-0.052 χ^2/NDF : 4155783.8/22

203.386+/-0.035 χ^2/NDF : 9092232.4/47

195.232+/-0.048 χ^2/NDF : 4874536.1/24

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: -3.565+/-14.802 χ^2/NDF : 7.8/5

Right Out: 12.296+/-12.186 χ^2/NDF : 24.9/19

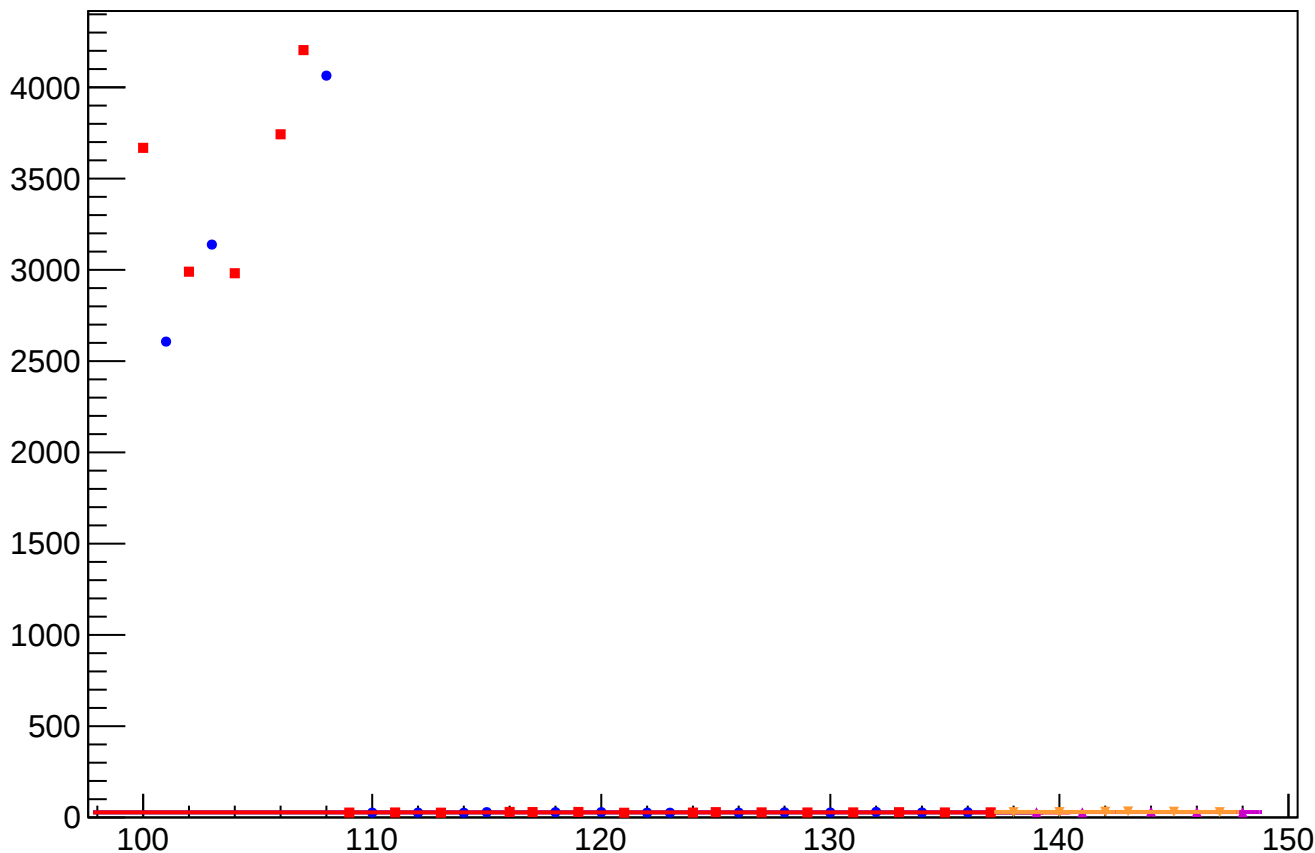
Left In: 26.426+/-14.702 χ^2/NDF : 1.3/4

4.638+/-9.452 χ^2/NDF : 26.7/22

11.394+/-6.659 χ^2/NDF : 54.5/47

18.051+/-9.382 χ^2/NDF : 26.8/24

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.855+/-0.009 χ^2 /NDF: 3027666.8/16

Left Out: 30.146+/-0.010 χ^2 /NDF:19401.3/5

Right Out: 27.707+/-0.009 χ^2 /NDF: 3477132.0/19

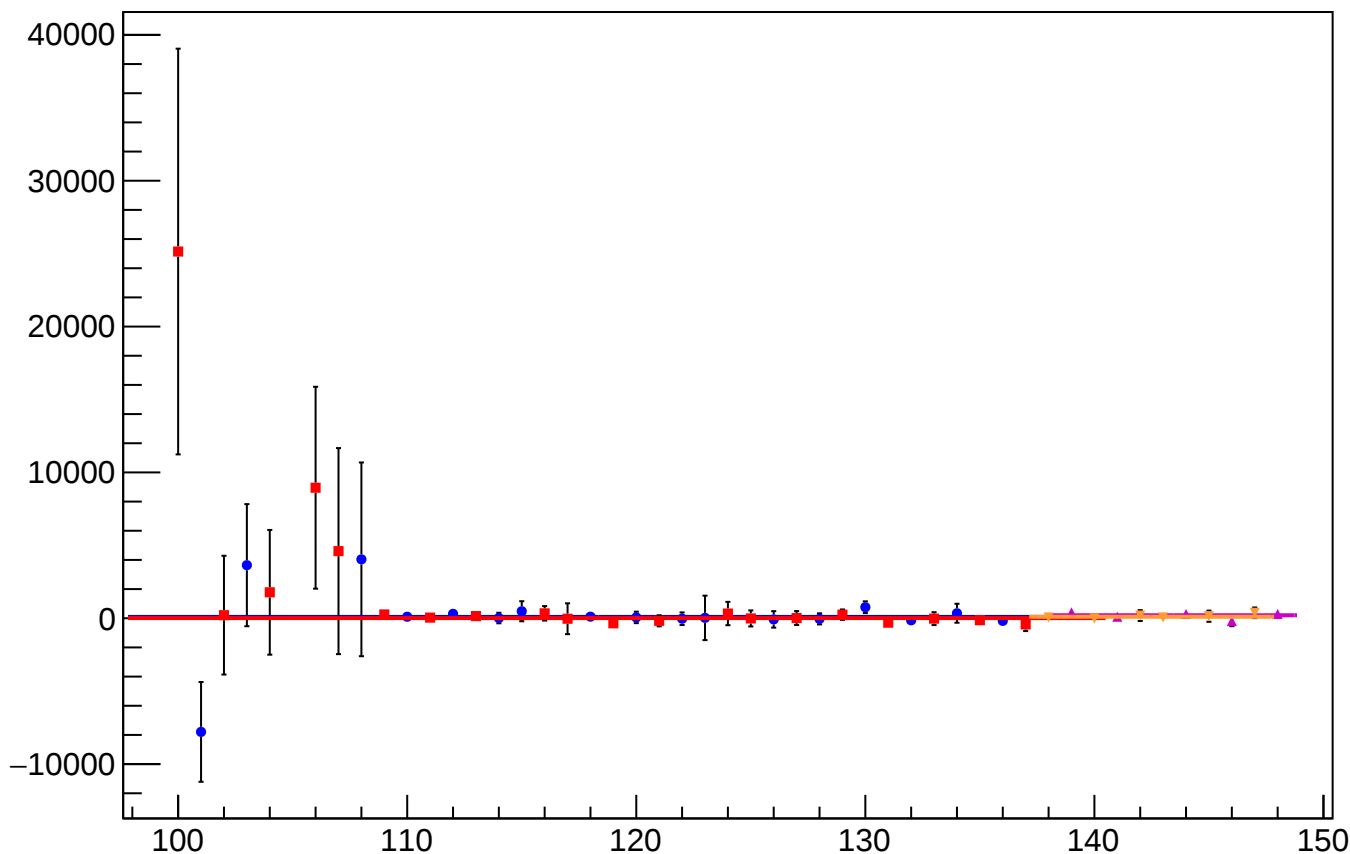
Left In: 29.521+/-0.010 χ^2 /NDF:21532.0/4

28.789+/-0.007 χ^2 /NDF: 3075446.8/22

28.616+/-0.005 χ^2 /NDF: 6593480.6/47

28.446+/-0.007 χ^2 /NDF: 3516707.3/24

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: 101.768+/-128.482 χ^2/NDF : 0.9/5

Right Out: 13.075+/-80.452 χ^2/NDF : 12.7/19

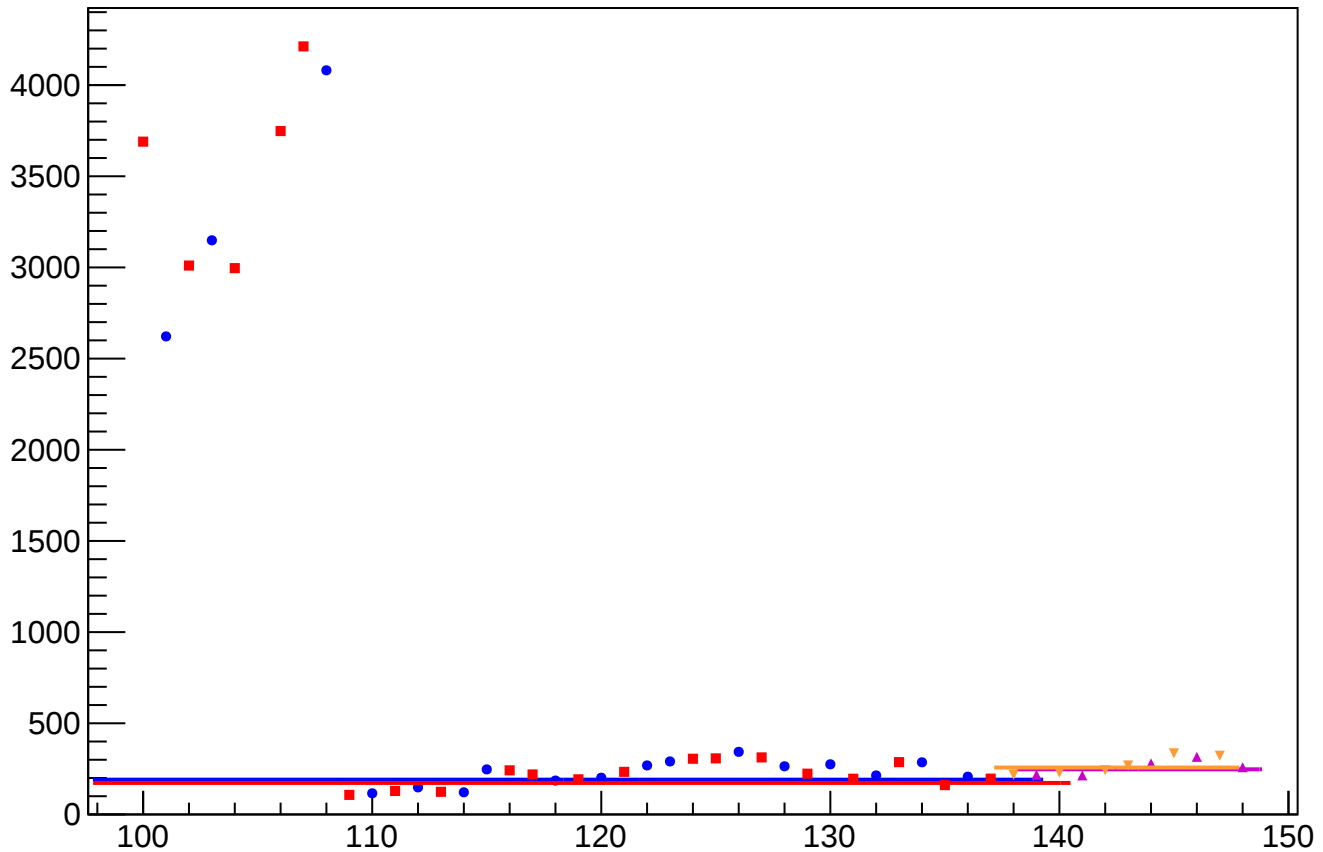
Left In: 205.700+/-125.710 χ^2/NDF : 2.2/4

94.292+/-72.686 χ^2/NDF : 13.7/22

80.785+/-49.565 χ^2/NDF : 30.3/47

69.046+/-67.763 χ^2/NDF : 16.6/24

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 257.325+/-0.091 χ^2/NDF : 221145.1/5

Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

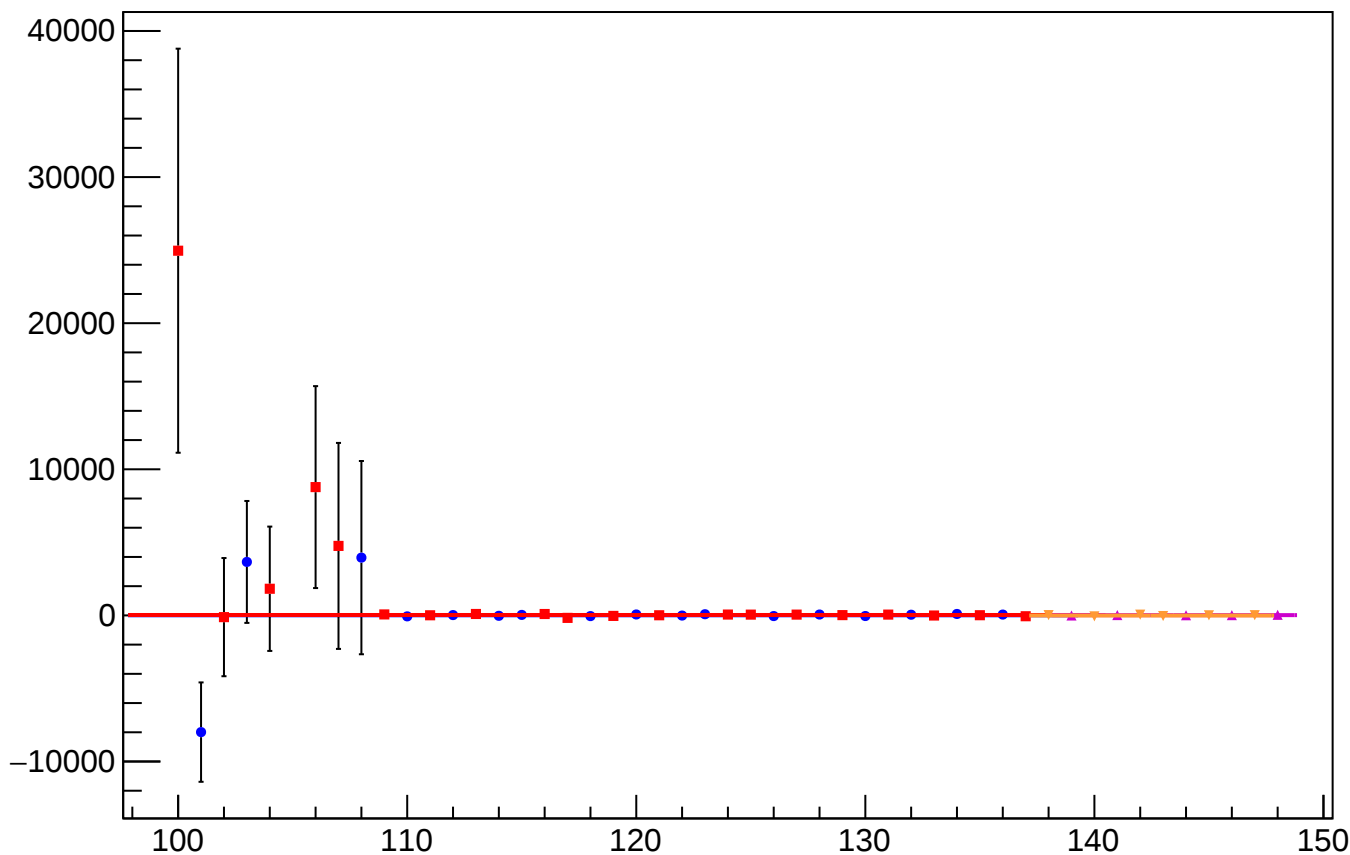
Left In: 247.483+/-0.089 χ^2/NDF : 167888.4/4

212.071+/-0.051 χ^2/NDF : 4171096.0/22

202.709+/-0.035 χ^2/NDF : 9122954.4/47

194.572+/-0.048 χ^2/NDF : 4889837.6/24

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: -6.367 $\pm$ 14.904 χ^2 /NDF: 6.5/5

Right Out: 27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

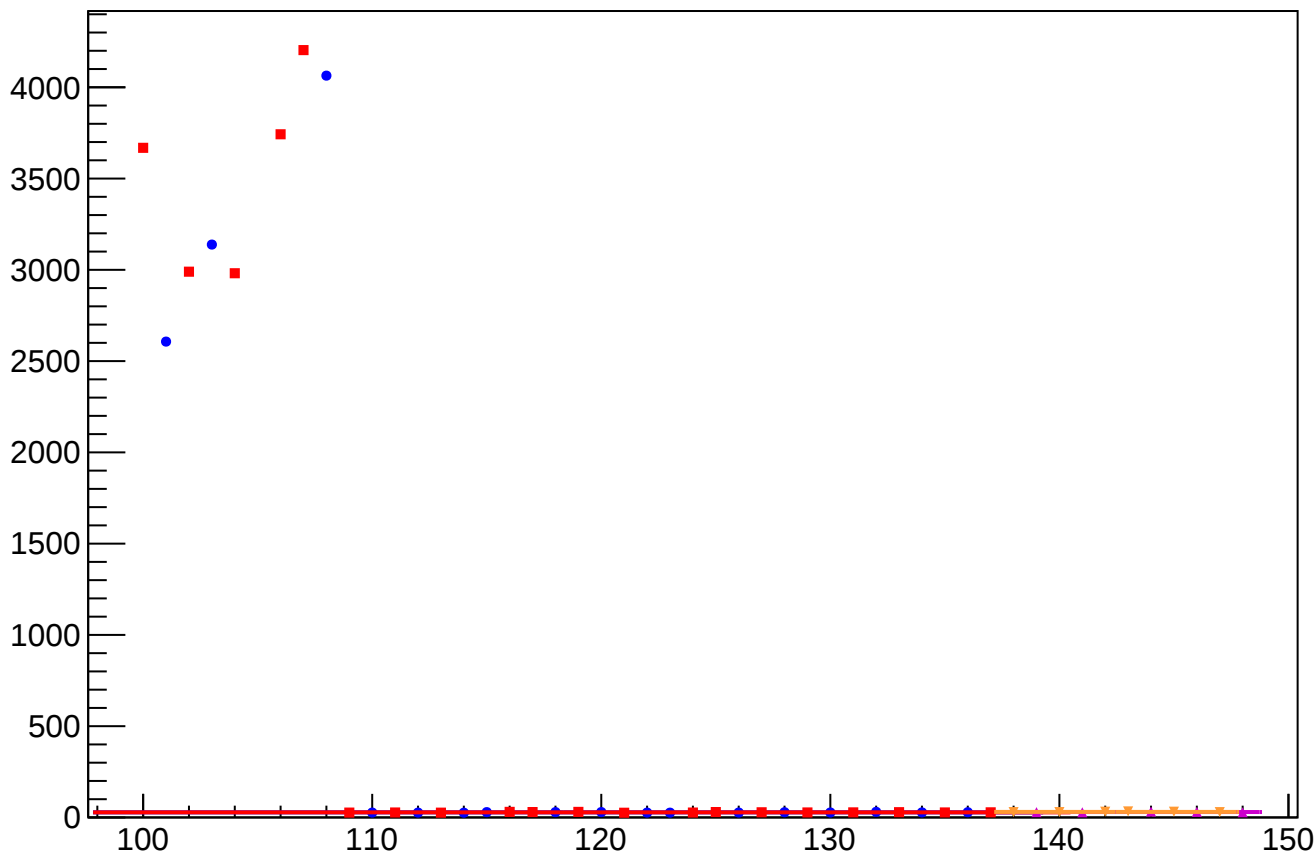
Left In: 18.151 $\pm$ 14.796 χ^2 /NDF: 1.1/4

2.496 $\pm$ 9.517 χ^2 /NDF: 30.3/22

13.281 $\pm$ 6.707 χ^2 /NDF: 53.0/47

23.920 $\pm$ 9.453 χ^2 /NDF: 20.1/24

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 30.351 $\pm$ 0.011 χ^2 /NDF:19197.8/5

Right Out: 27.930 $\pm$ 0.009 χ^2 /NDF: 3479947.6/19

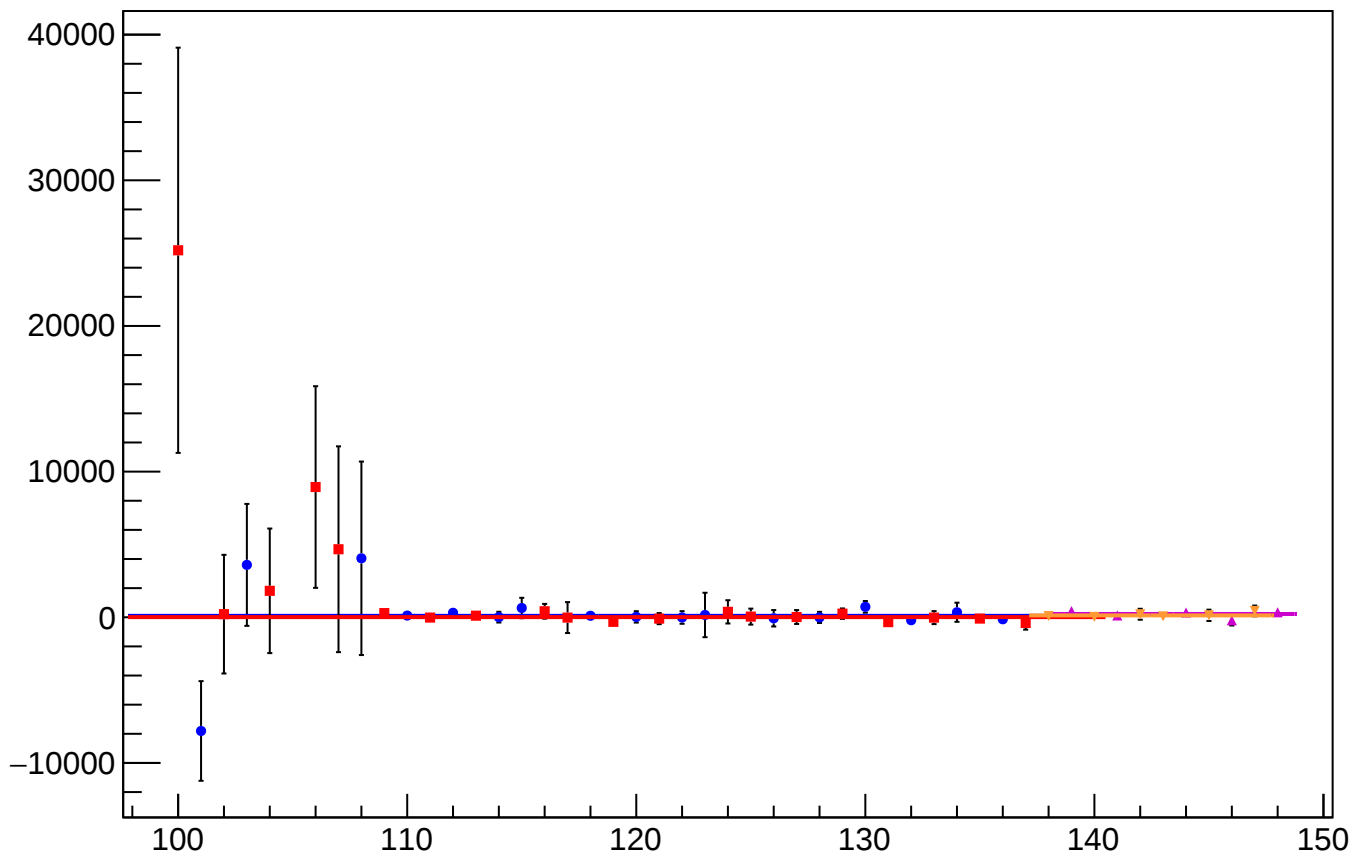
Left In: 29.706 $\pm$ 0.010 χ^2 /NDF:22844.1/4

28.985 $\pm$ 0.007 χ^2 /NDF: 3075468.0/22

28.819 $\pm$ 0.005 χ^2 /NDF: 6596528.6/47

28.655 $\pm$ 0.007 χ^2 /NDF: 3519853.3/24

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: 129.192+/-130.215 χ^2/NDF : 1.0/5

Right Out: 11.533+/-81.530 χ^2/NDF : 12.3/19

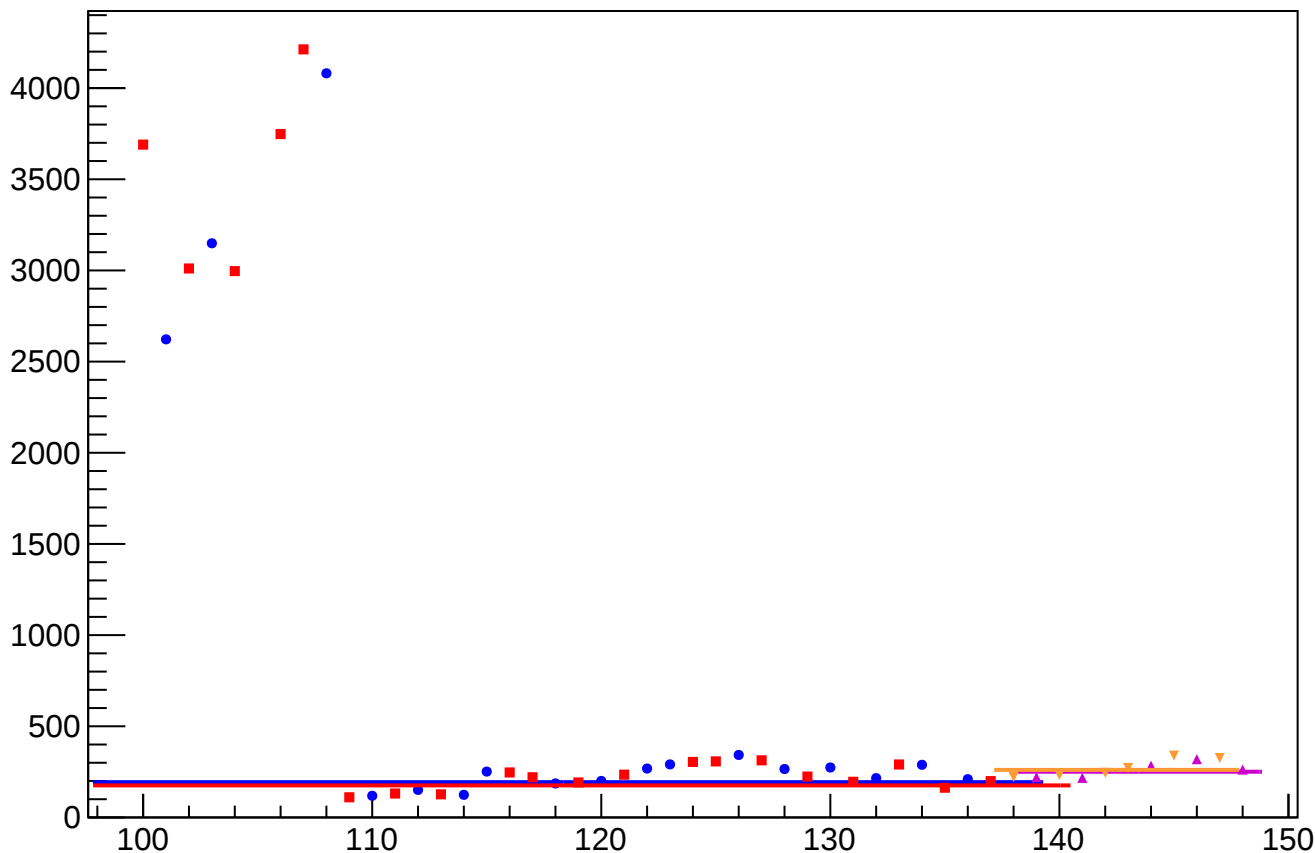
Left In: 226.564+/-127.338 χ^2/NDF : 2.5/4

108.059+/-73.591 χ^2/NDF : 13.5/22

89.880+/-50.204 χ^2/NDF : 30.4/47

74.053+/-68.662 χ^2/NDF : 16.8/24

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: 260.900+/-0.092 χ^2/NDF : 216234.9/5

Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

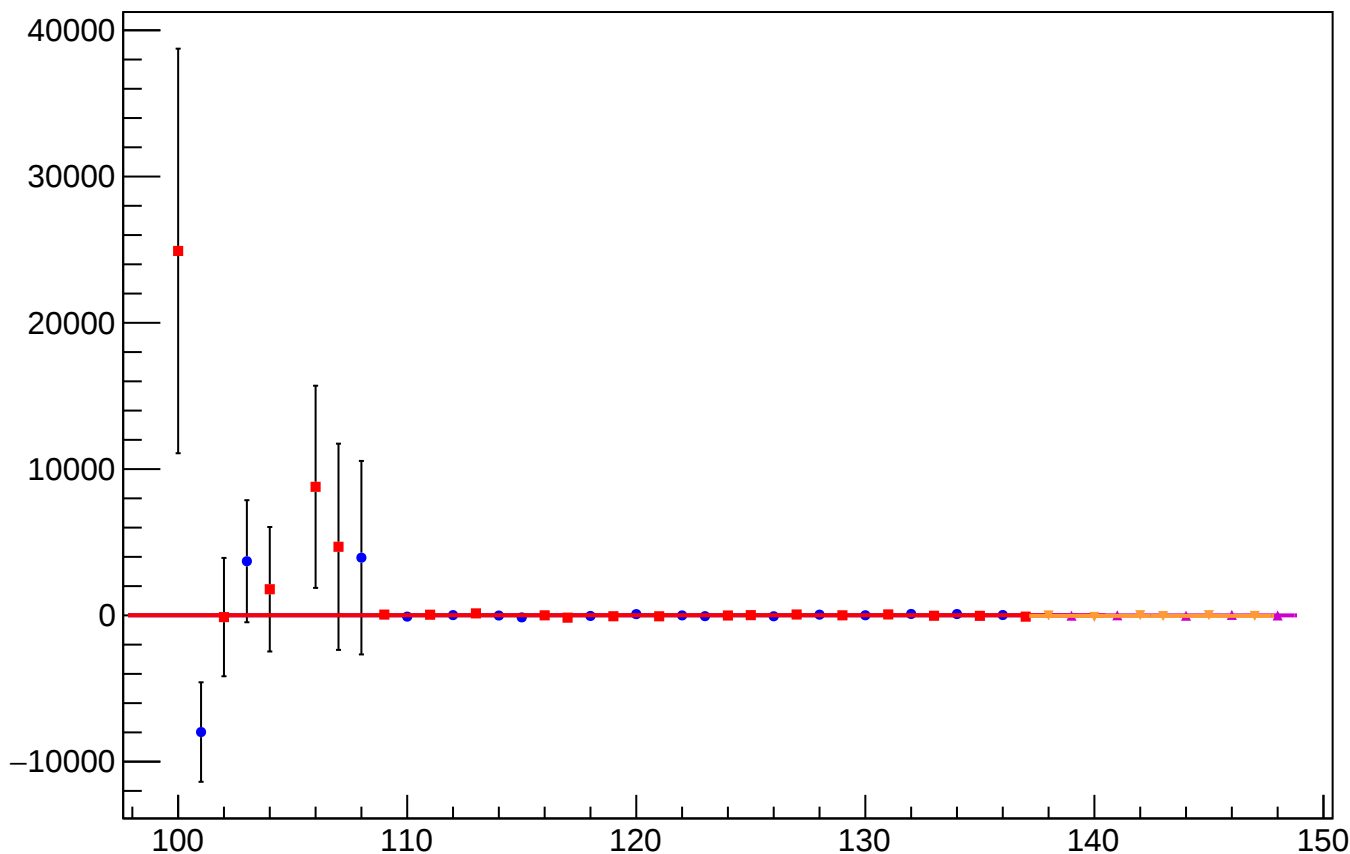
Left In: 250.762+/-0.090 χ^2/NDF : 166092.6/4

215.039+/-0.052 χ^2/NDF : 4117697.0/22

205.703+/-0.035 χ^2/NDF : 9005026.3/47

197.577+/-0.049 χ^2/NDF : 4827129.1/24

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: -33.267 $\pm$ 17.615 χ^2 /NDF: 5.7/5

Right Out: 10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

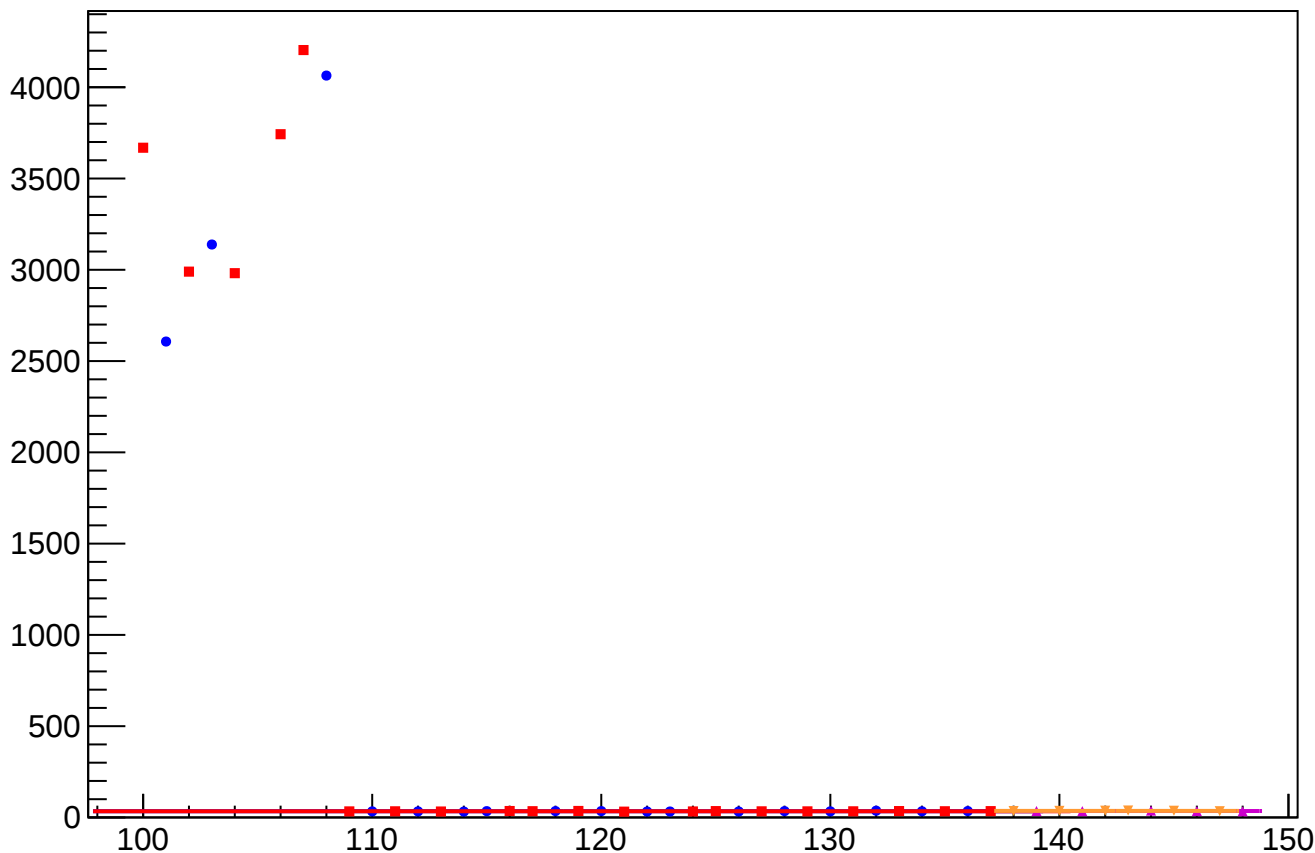
Left In: -0.765 $\pm$ 17.550 χ^2 /NDF: 1.3/4

-10.823 $\pm$ 11.443 χ^2 /NDF: 28.9/22

-2.374 $\pm$ 8.060 χ^2 /NDF: 54.5/47

5.944 $\pm$ 11.354 χ^2 /NDF: 24.6/24

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: 35.934 $\pm$ 0.012 χ^2 /NDF:10805.9/5

Right Out: 33.916 $\pm$ 0.011 χ^2 /NDF: 3451921.6/19

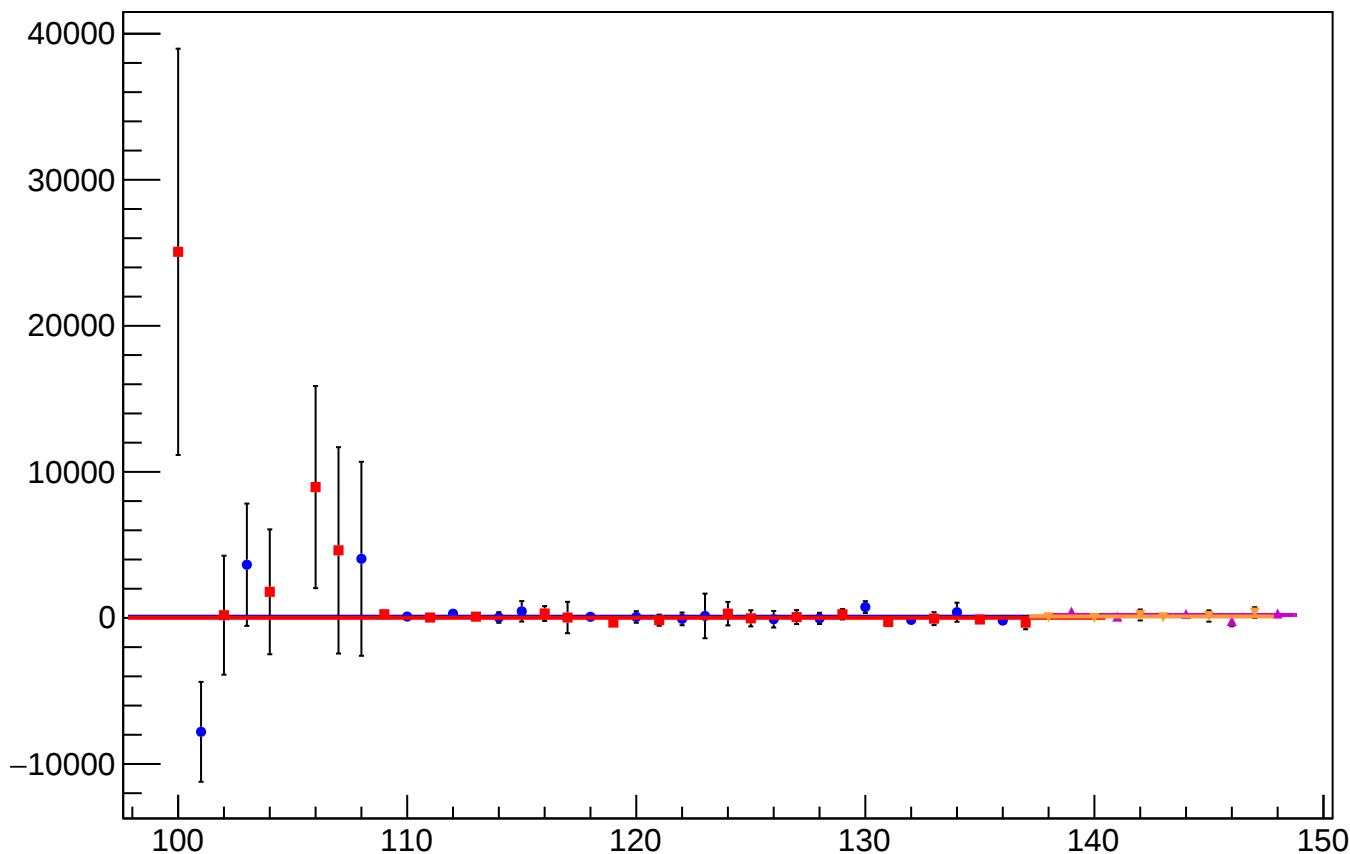
Left In: 35.293 $\pm$ 0.012 χ^2 /NDF:9676.2/4

34.913 $\pm$ 0.008 χ^2 /NDF: 3028949.8/22

34.701 $\pm$ 0.006 χ^2 /NDF: 6499072.5/47

34.492 $\pm$ 0.008 χ^2 /NDF: 3468757.2/24

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: 100.142+/-129.156 χ^2/NDF : 0.9/5

Right Out: 8.682+/-81.026 χ^2/NDF : 11.1/19

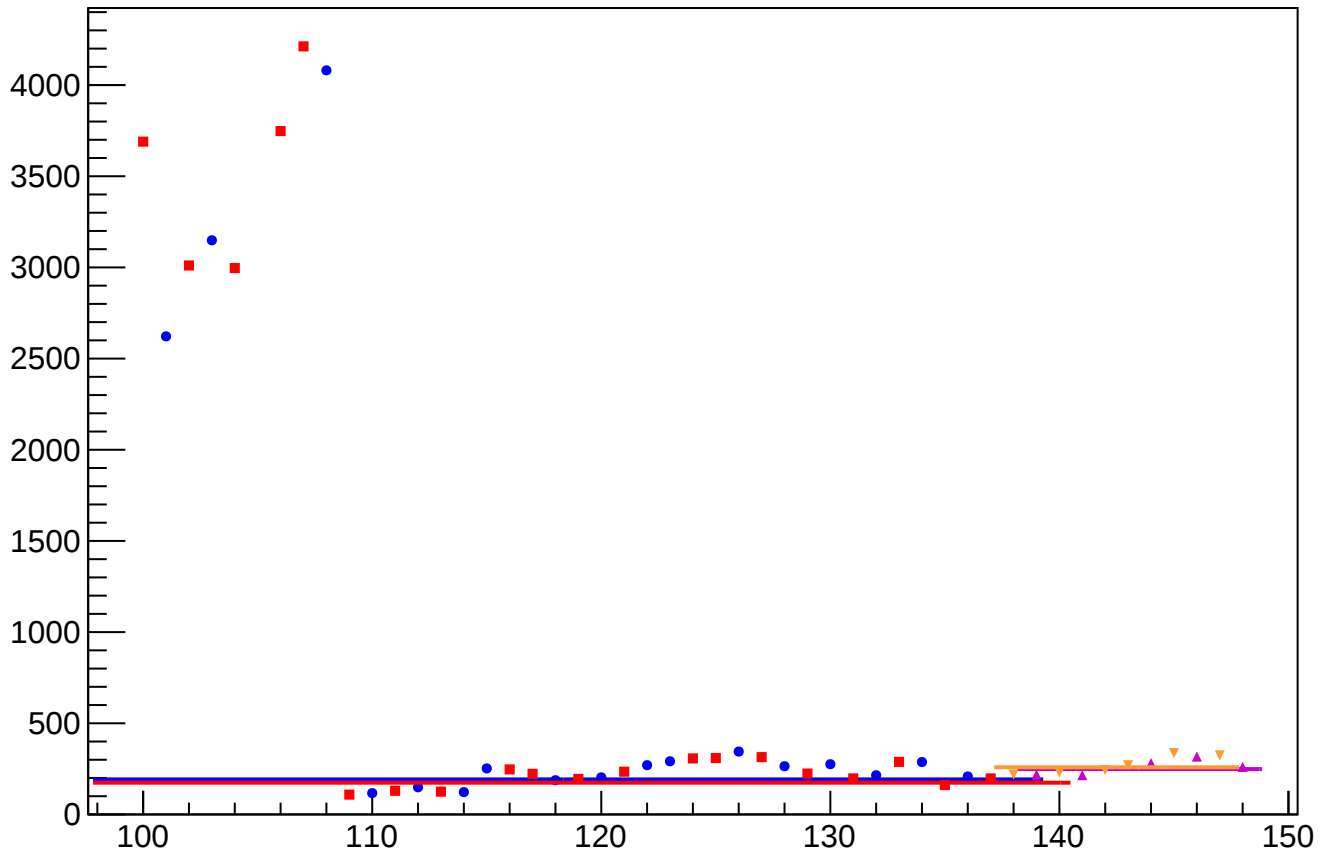
Left In: 202.727+/-126.420 χ^2/NDF : 2.6/4

89.520+/-73.144 χ^2/NDF : 13.4/22

76.504+/-49.887 χ^2/NDF : 28.8/47

65.183+/-68.217 χ^2/NDF : 15.3/24

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: 258.684+/-0.091 χ^2/NDF : 220940.3/5

Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

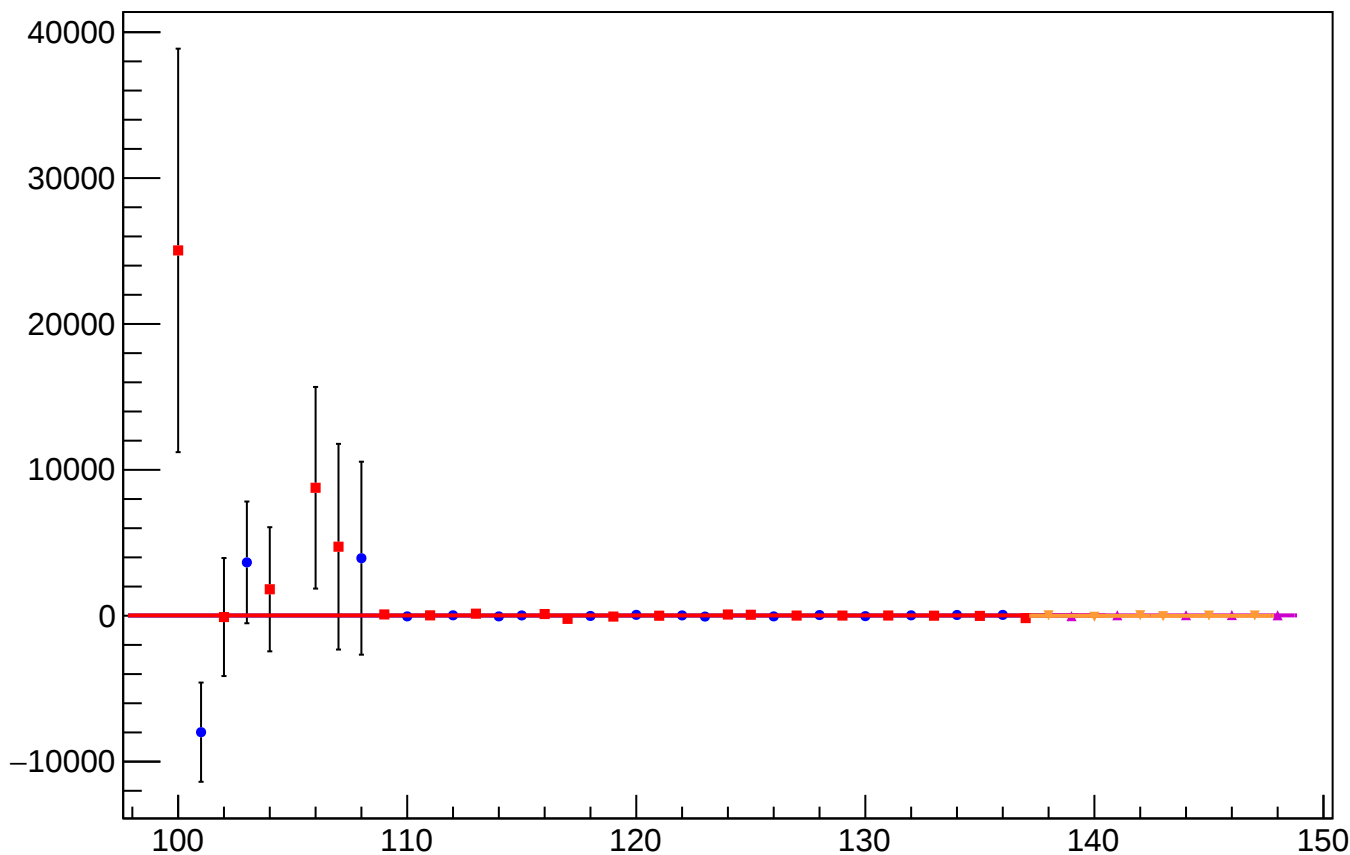
Left In: 248.908+/-0.089 χ^2/NDF : 166736.0/4

213.507+/-0.052 χ^2/NDF : 4155795.6/22

204.134+/-0.035 χ^2/NDF : 9094257.4/47

195.981+/-0.048 χ^2/NDF : 4877054.0/24

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: -4.919+/-16.207 χ^2/NDF : 5.6/5

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

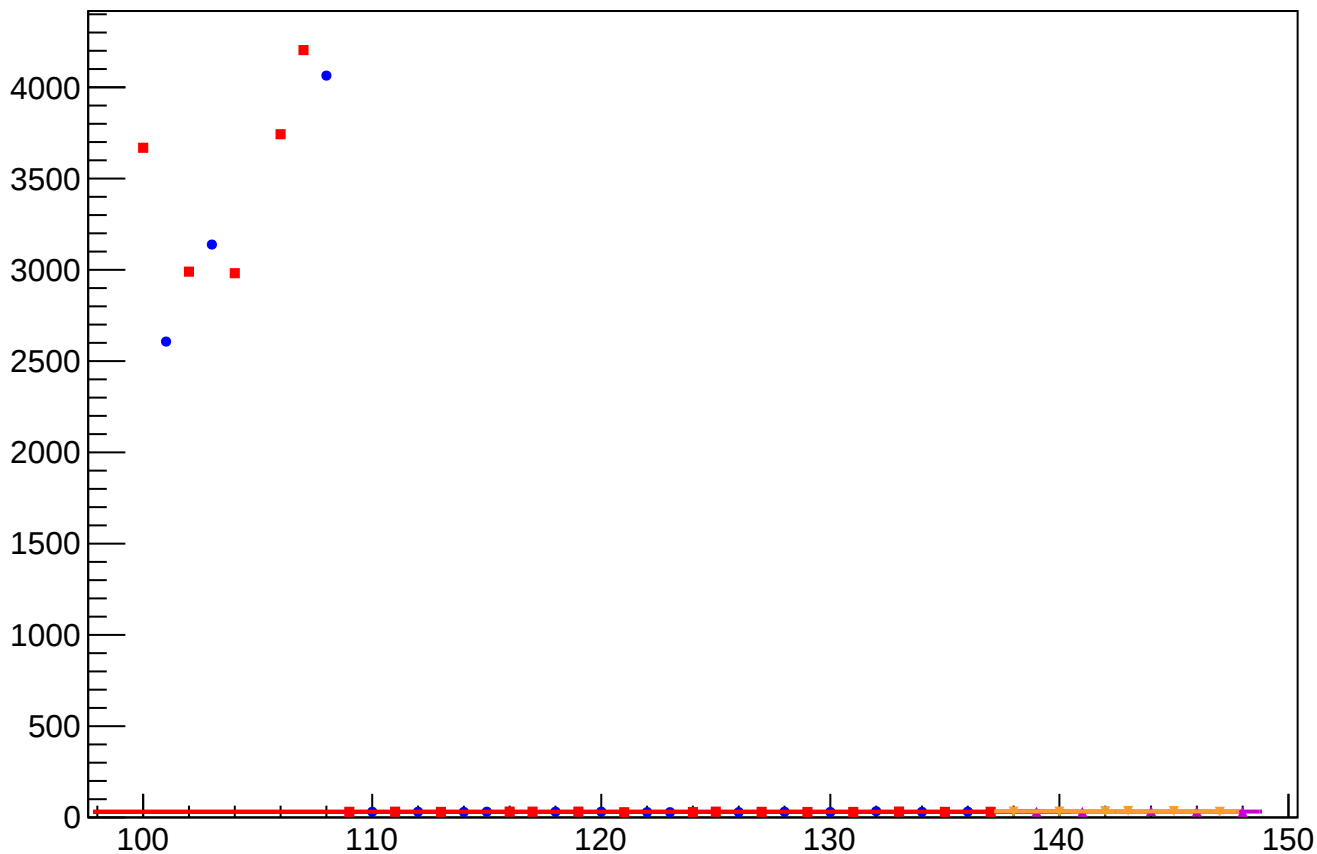
Left In: 24.222+/-16.049 χ^2/NDF : 2.5/4

5.372+/-10.473 χ^2/NDF : 20.9/22

13.860+/-7.372 χ^2/NDF : 55.2/47

22.196+/-10.378 χ^2/NDF : 32.9/24

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 33.017+/-0.011 χ^2/NDF : 22744.6/5

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

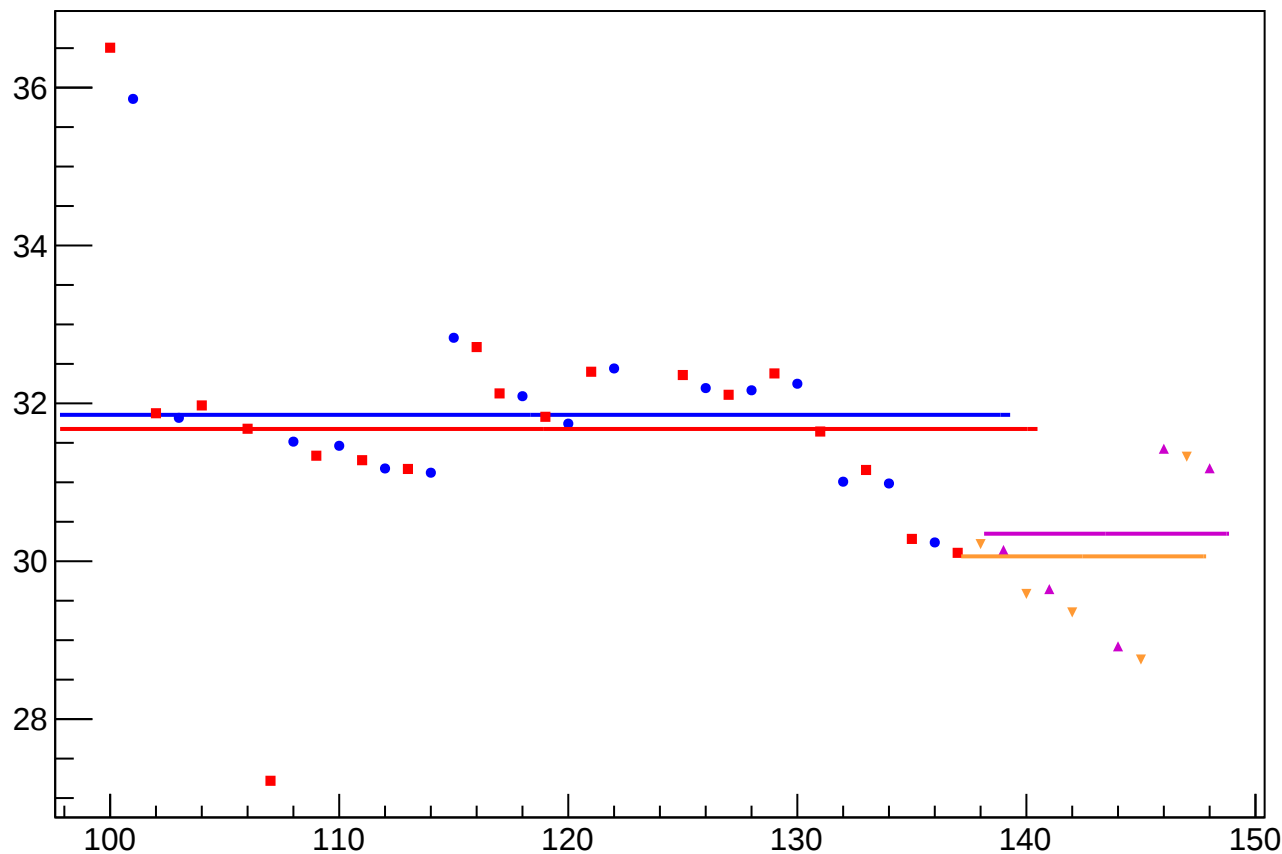
Left In: 32.246+/-0.011 χ^2/NDF : 18747.3/4

31.931+/-0.007 χ^2/NDF : 3052669.3/22

31.715+/-0.005 χ^2/NDF : 6539453.3/47

31.503+/-0.007 χ^2/NDF : 3485098.7/24

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855 $\pm$ 0.000 χ^2 /NDF: 1570522165.5/15

Left Out: 30.062 $\pm$ 0.000 χ^2 /NDF: 396643416.2/4

Right Out: 31.676 $\pm$ 0.000 χ^2 /NDF: 919678295.7/18

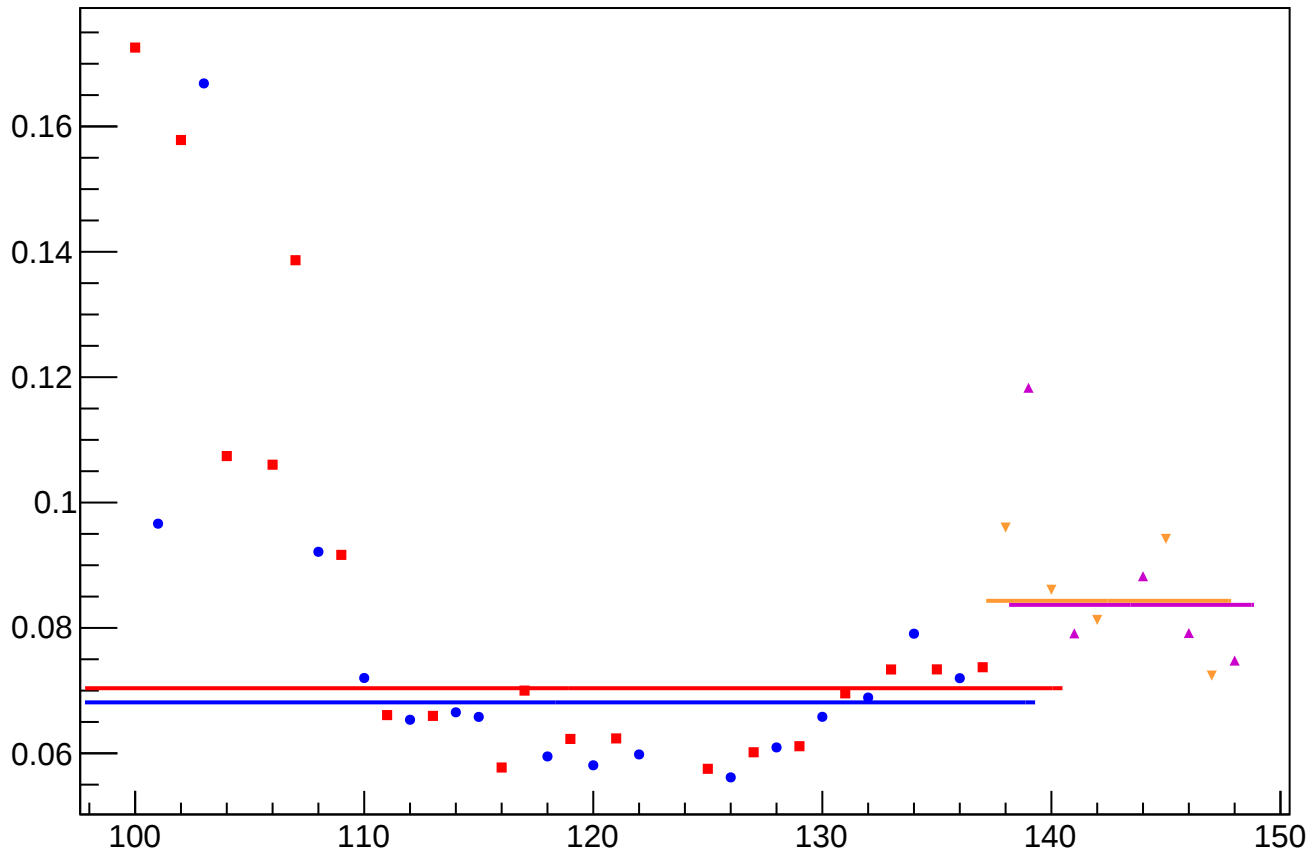
Left In: 30.349 $\pm$ 0.000 χ^2 /NDF: 481122512.2/4

31.395 $\pm$ 0.000 χ^2 /NDF: 2991140916.0/20

31.339 $\pm$ 0.000 χ^2 /NDF: 5029334424.6/4

31.283 $\pm$ 0.000 χ^2 /NDF: 2027508634.0/23

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 ± 0.000 $\chi^2/\text{NDF}: 629767.4/15$

Left Out: 0.084 ± 0.000 $\chi^2/\text{NDF}: 75035.9/4$

Right Out: 0.070 ± 0.000 $\chi^2/\text{NDF}: 841322.7/18$

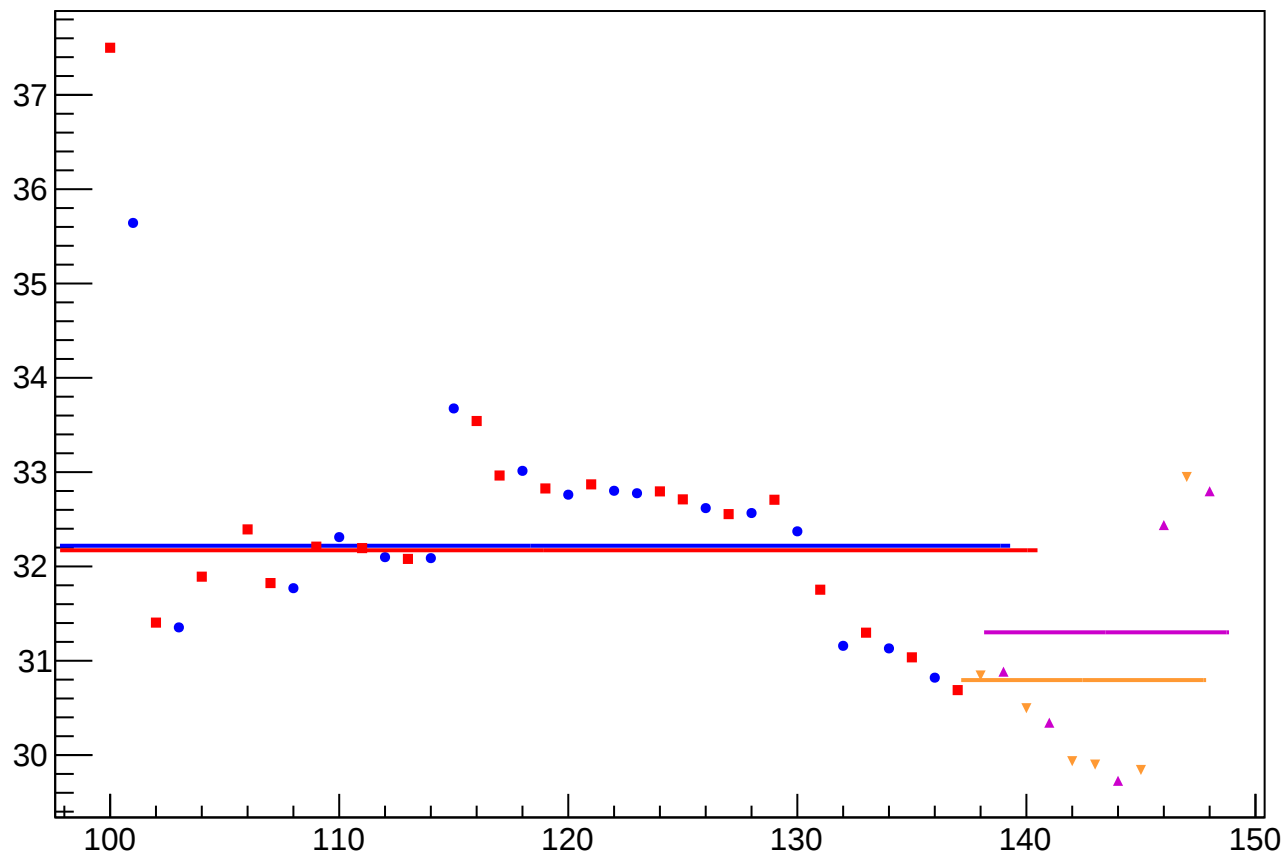
Left In: 0.084 ± 0.000 $\chi^2/\text{NDF}: 152934.4/4$

0.072 ± 0.000 $\chi^2/\text{NDF}: 872047.6/20$

0.073 ± 0.000 $\chi^2/\text{NDF}: 1999294.5/44$

0.074 ± 0.000 $\chi^2/\text{NDF}: 1120179.1/23$

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 30.795+/-0.000 χ^2/NDF : 825416620.5/5

Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

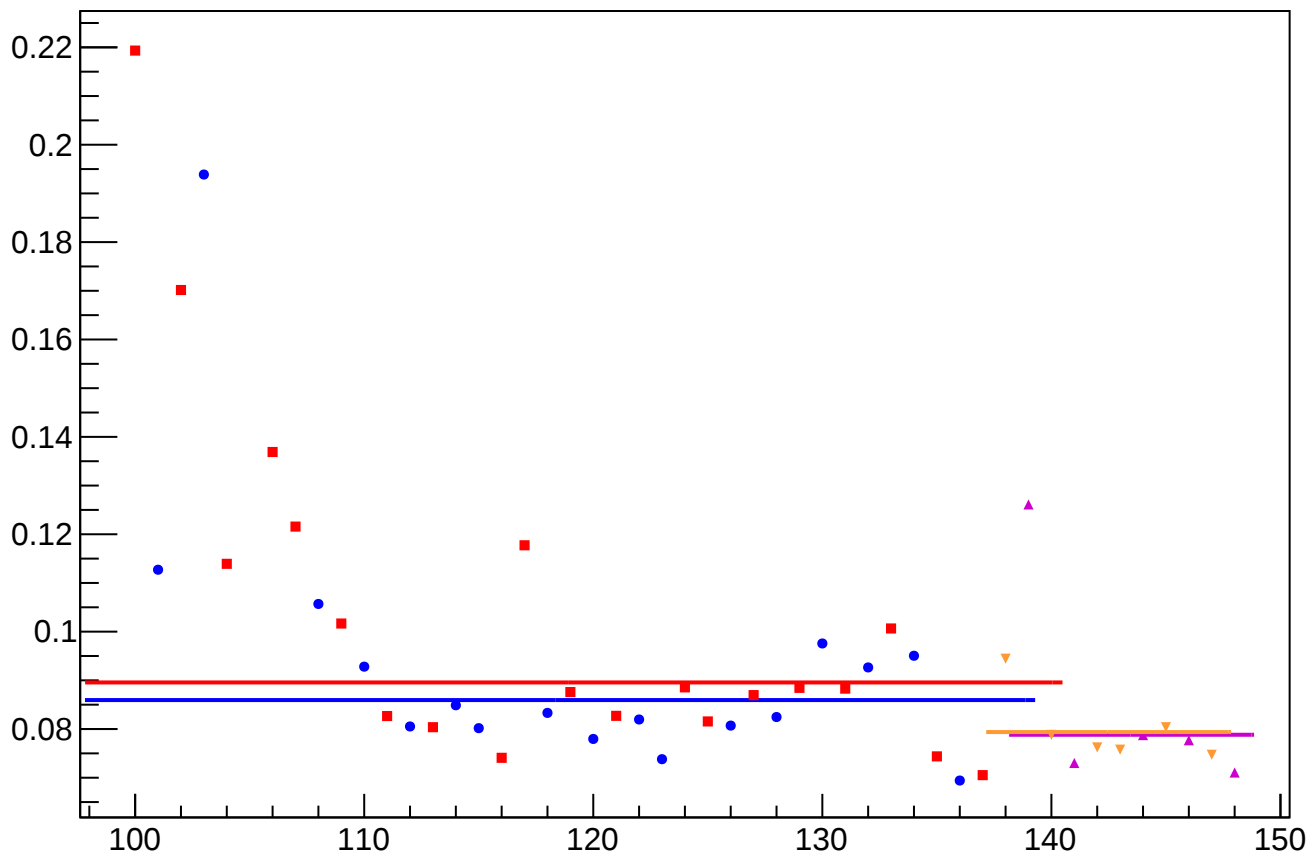
Left In: 31.301+/-0.000 χ^2/NDF : 936594224.2/4

31.615+/-0.000 χ^2/NDF : 2514929836.8/22

31.706+/-0.000 χ^2/NDF : 4168896168.6/4

31.798+/-0.000 χ^2/NDF : 1631292072.0/24

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086 $\pm$ 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.079 $\pm$ 0.000 χ^2/NDF : 43378.2/5

Right Out: 0.090 $\pm$ 0.000 χ^2/NDF : 544516.7/19

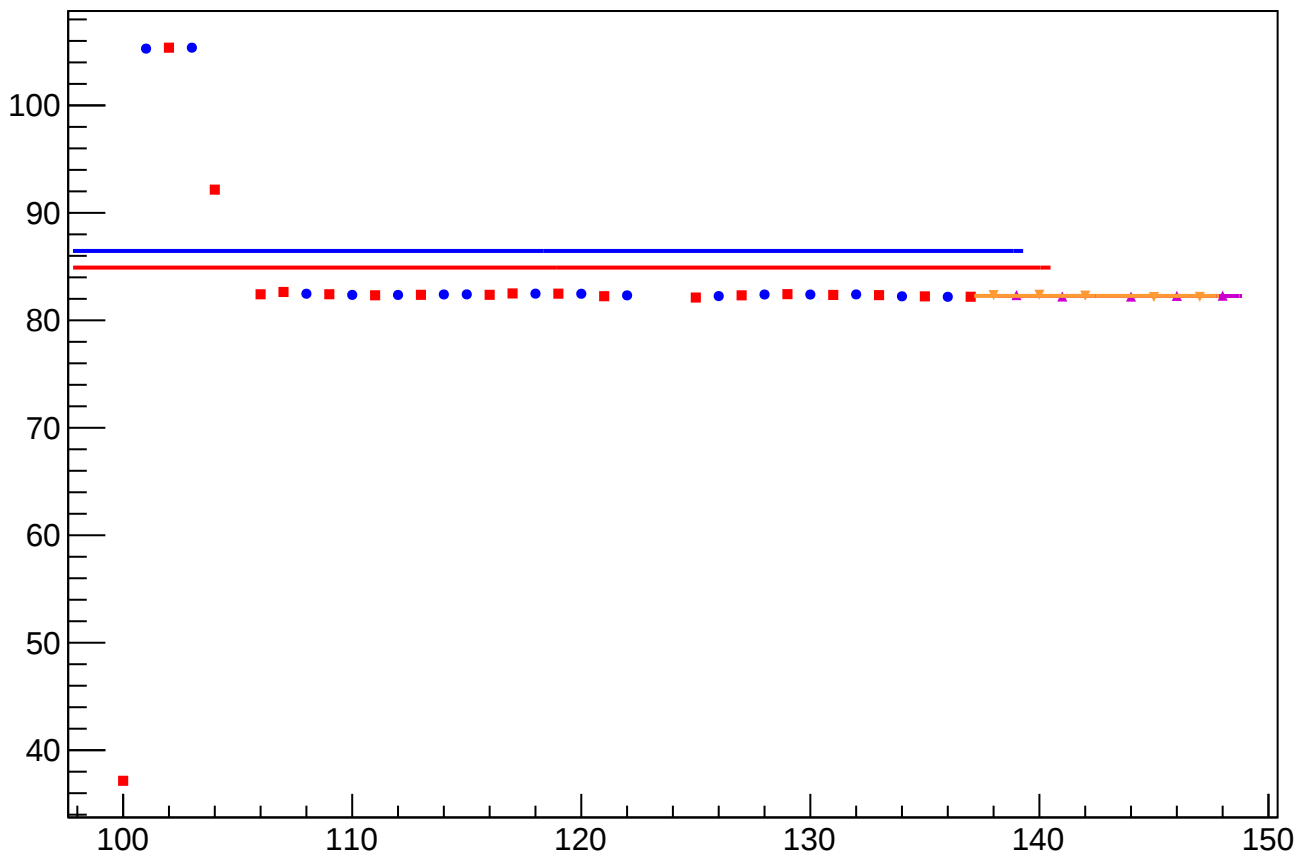
Left In: 0.079 $\pm$ 0.000 χ^2/NDF : 225612.5/4

0.083 $\pm$ 0.000 χ^2/NDF : 625403.9/22

0.084 $\pm$ 0.000 χ^2/NDF : 1476317.2/47

0.085 $\pm$ 0.000 χ^2/NDF : 846550.4/24

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457 $\pm$ 0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.275 $\pm$ 0.000 χ^2/NDF : 14572520.1/4

Right Out: 84.908 $\pm$ 0.000 χ^2/NDF : 172306803858.3/18

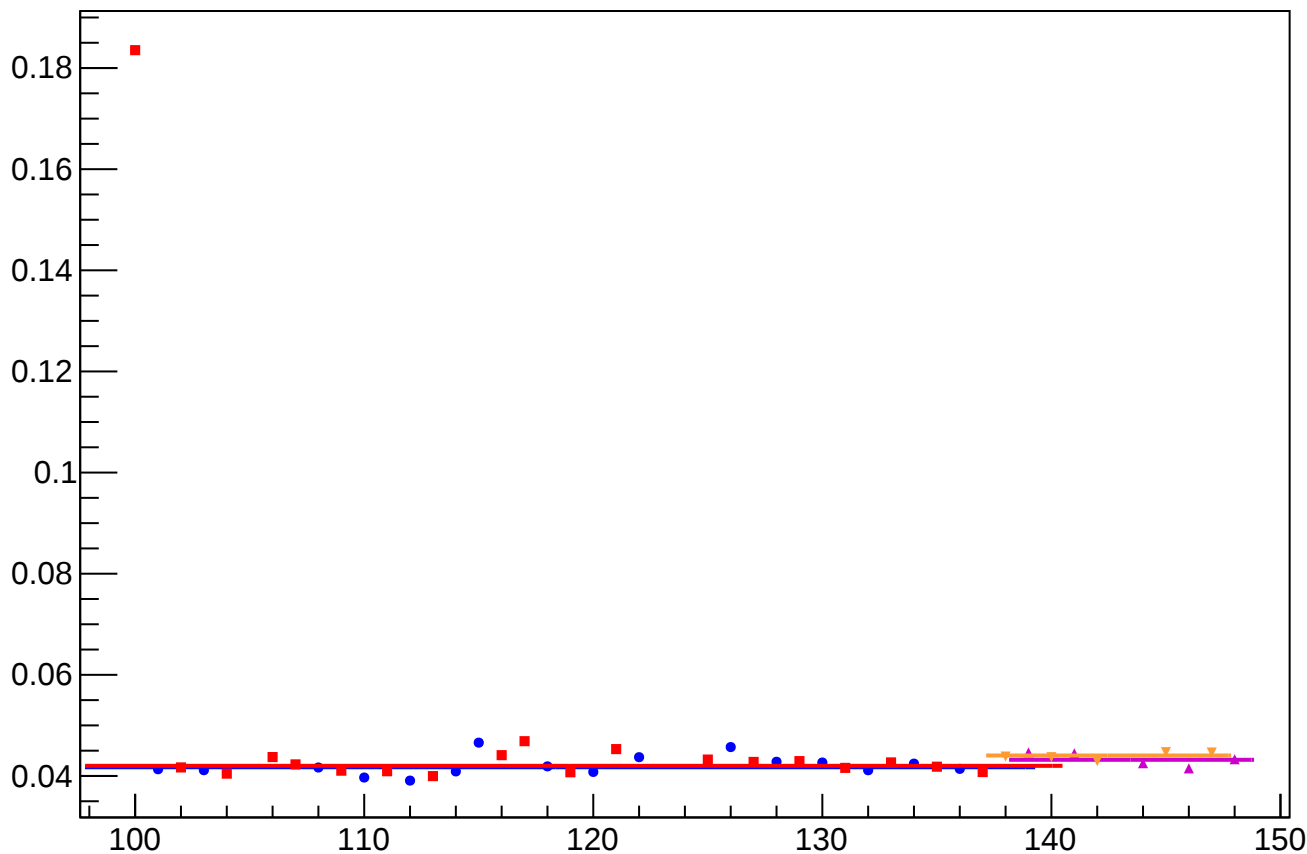
Left In: 82.264 $\pm$ 0.000 χ^2/NDF : 5154552.8/4

85.112 $\pm$ 0.000 χ^2/NDF : 312632254613.9/20

84.517 $\pm$ 0.000 χ^2/NDF : 498403724700.5

83.973 $\pm$ 0.000 χ^2/NDF : 182011435331.2/23

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 : 1291.9/4

Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

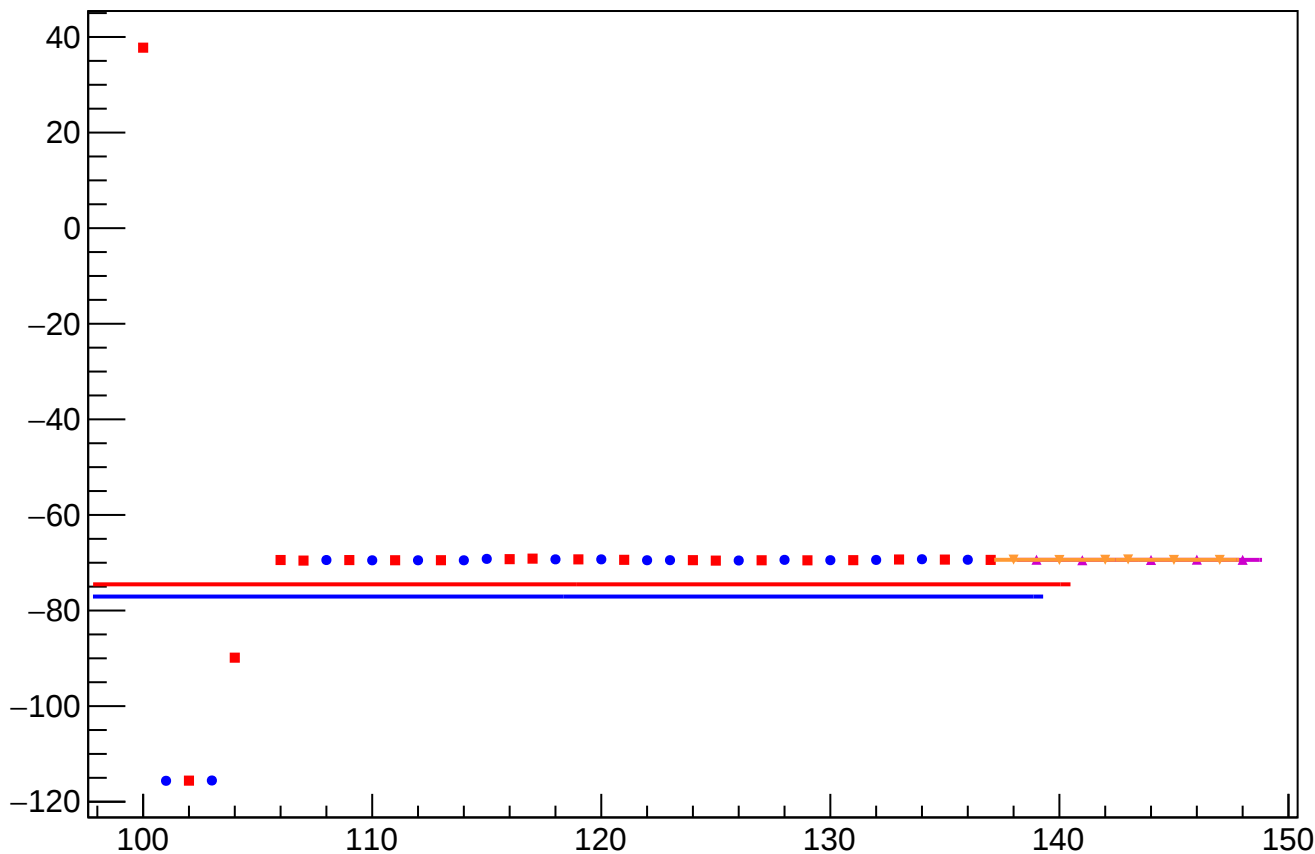
Left In: 0.043+/-0.000 χ^2/NDF : 6035.4/4

0.042+/-0.000 χ^2/NDF : 33253.3/20

0.042+/-0.000 χ^2/NDF : 141030.8/44

0.042+/-0.000 χ^2/NDF : 107763.6/23

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074 $\pm$ 0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.383 $\pm$ 0.000 χ^2/NDF : 1910031.0/5

Right Out: -74.518 $\pm$ 0.000 χ^2/NDF : 372210051226.2/19

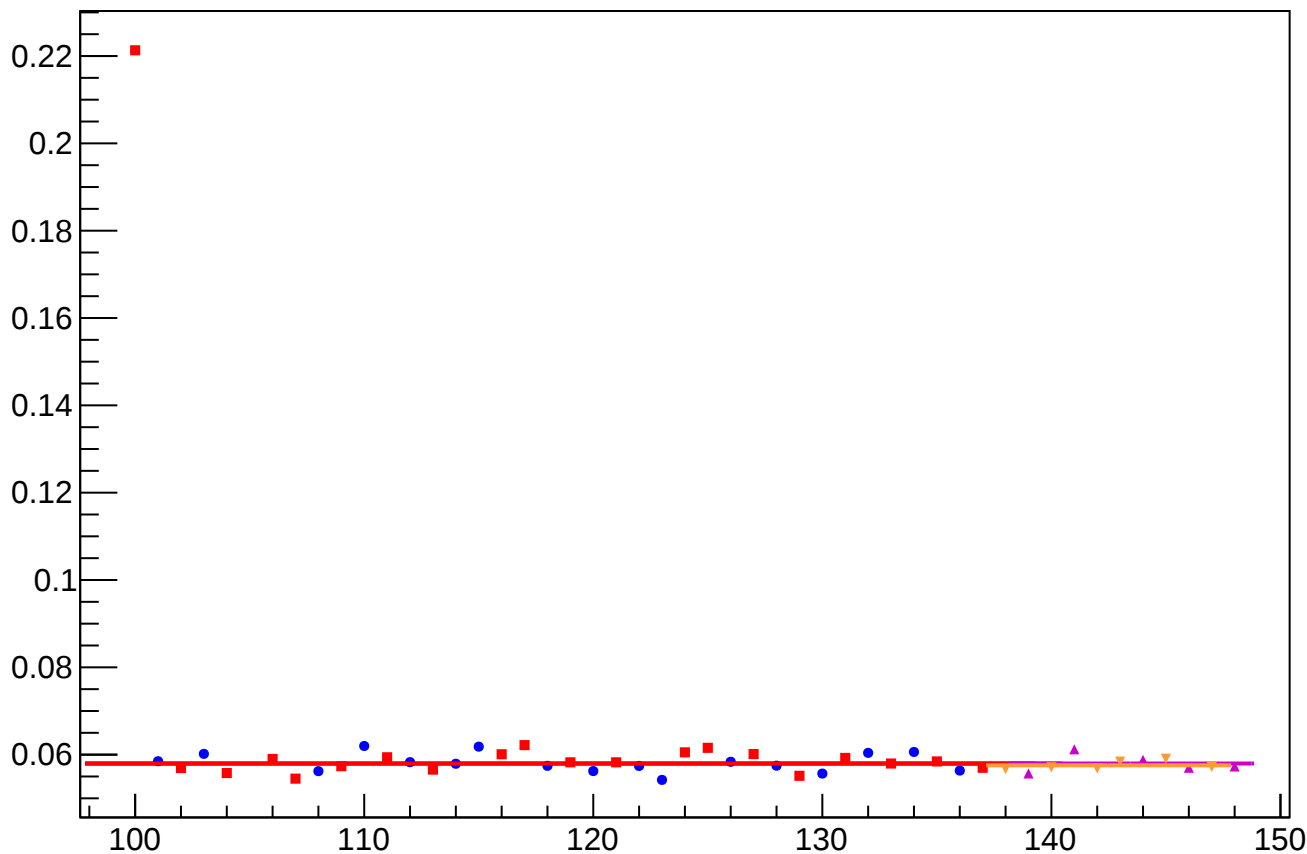
Left In: -69.399 $\pm$ 0.000 χ^2/NDF : 1904161.6/4

-74.086 $\pm$ 0.000 χ^2/NDF : 609404135905.9/22

-73.366 $\pm$ 0.000 χ^2/NDF : 100429165309.0/22

-72.665 $\pm$ 0.000 χ^2/NDF : 391684035101.5/24

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.058+/-0.000 χ^2/NDF : 1881.8/5

Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

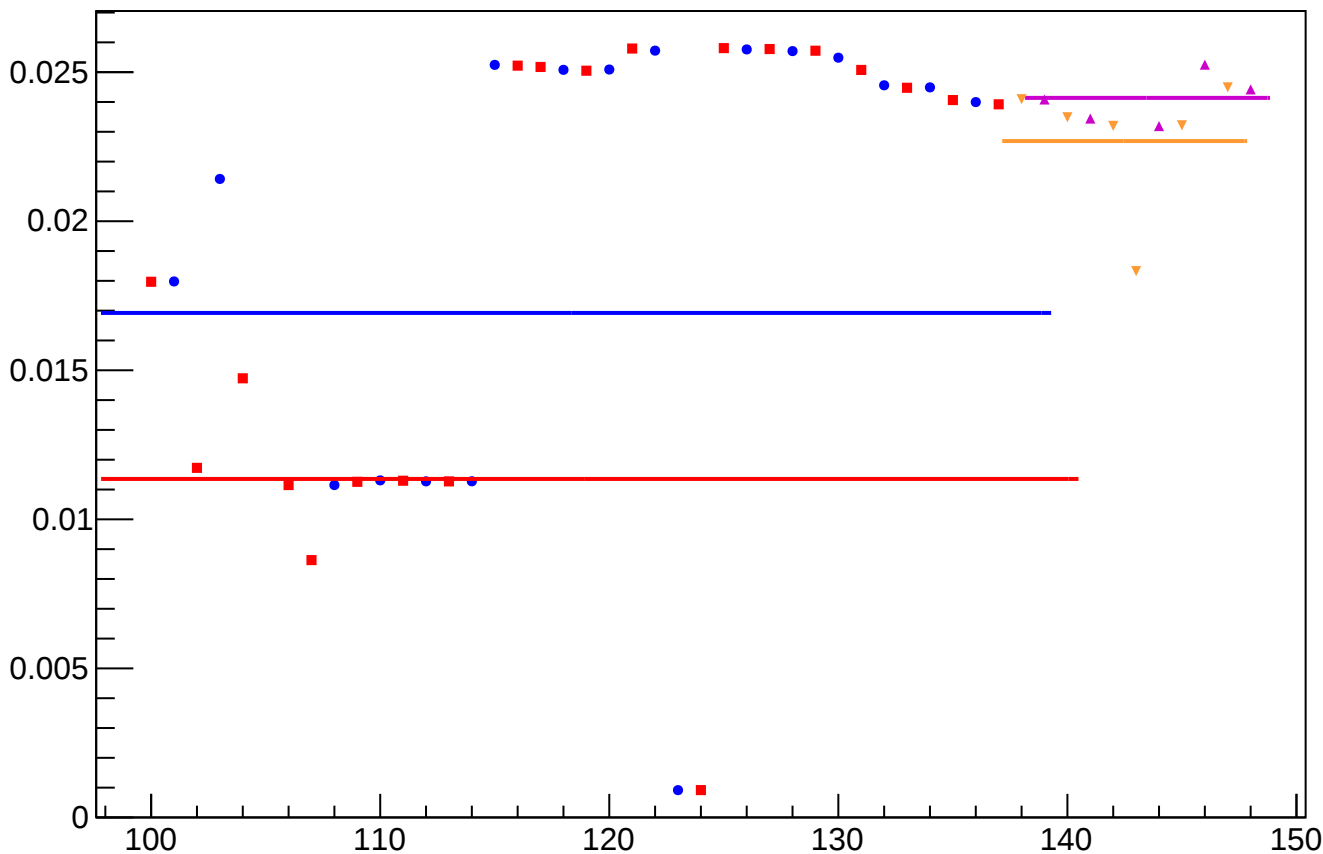
Left In: 0.058+/-0.000 χ^2/NDF : 7991.5/4

0.058+/-0.000 χ^2/NDF : 14413.0/22

0.058+/-0.000 χ^2/NDF : 109342.7/47

0.058+/-0.000 χ^2/NDF : 94852.3/24

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 3673452598.4/5

0.019 $\pm$ 0.000 χ^2 /NDF: 146611280252.3/22

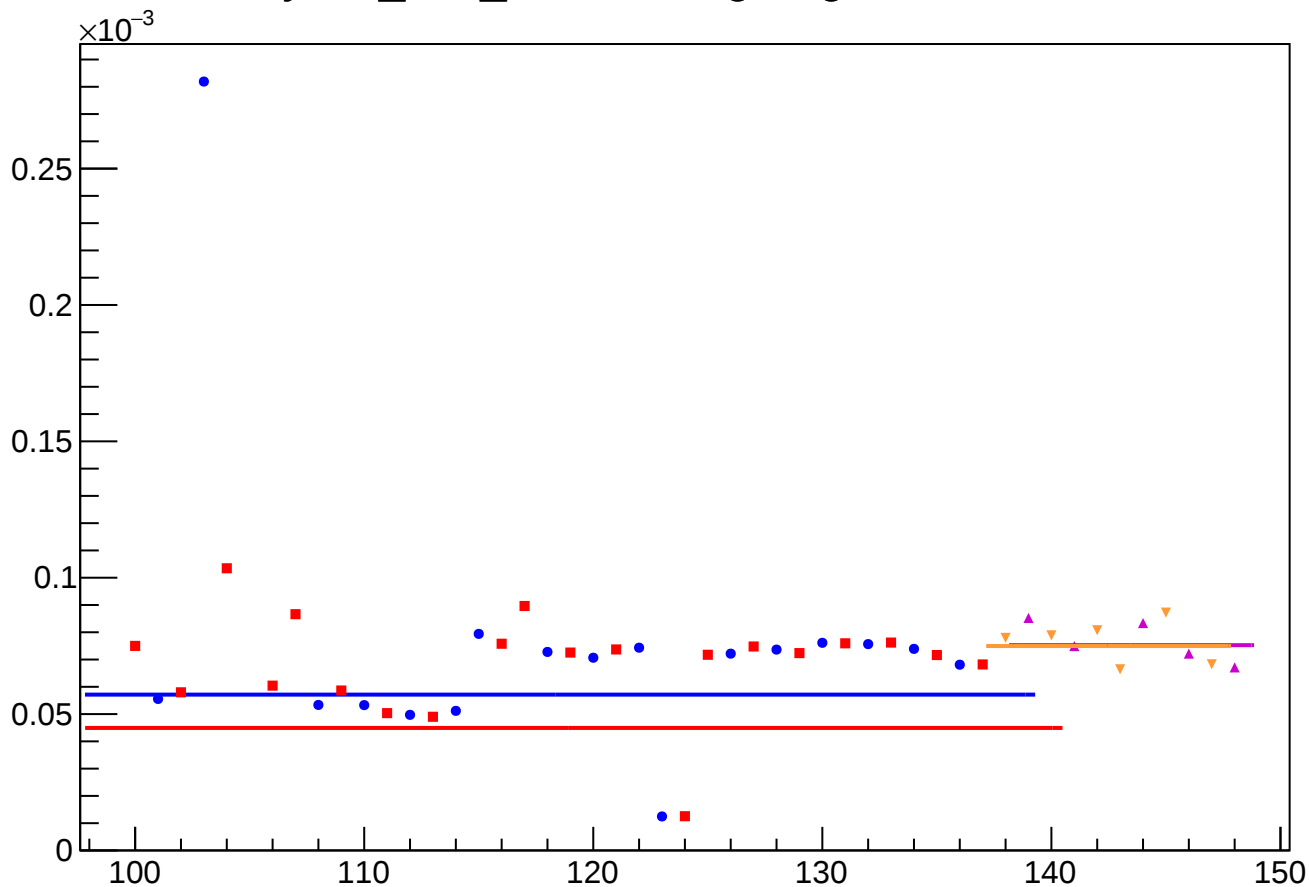
0.016 $\pm$ 0.000 χ^2 /NDF: 496450385039.8/

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.014 $\pm$ 0.000 χ^2 /NDF: 323467403928.2/24

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 379054024.4/4

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2000446.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 74899.9/5

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3613155.3/19

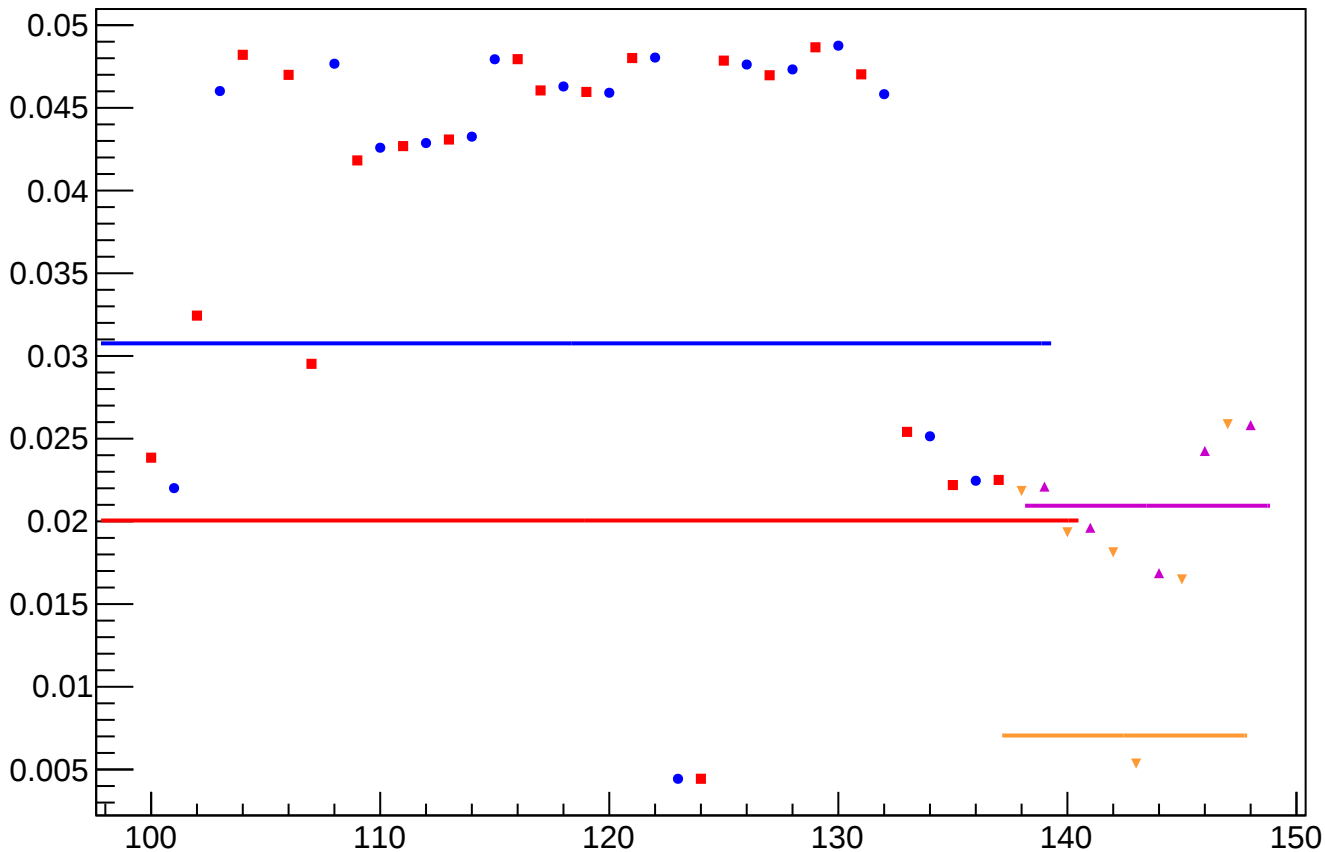
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 61337.0/4

0.000 $\pm$ 0.000 χ^2 /NDF: 2390174.2/22

0.000 $\pm$ 0.000 χ^2 /NDF: 7358963.7/47

0.000 $\pm$ 0.000 χ^2 /NDF: 4659231.0/24

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.007+/-0.000 χ^2/NDF : 9184884390.8/5

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

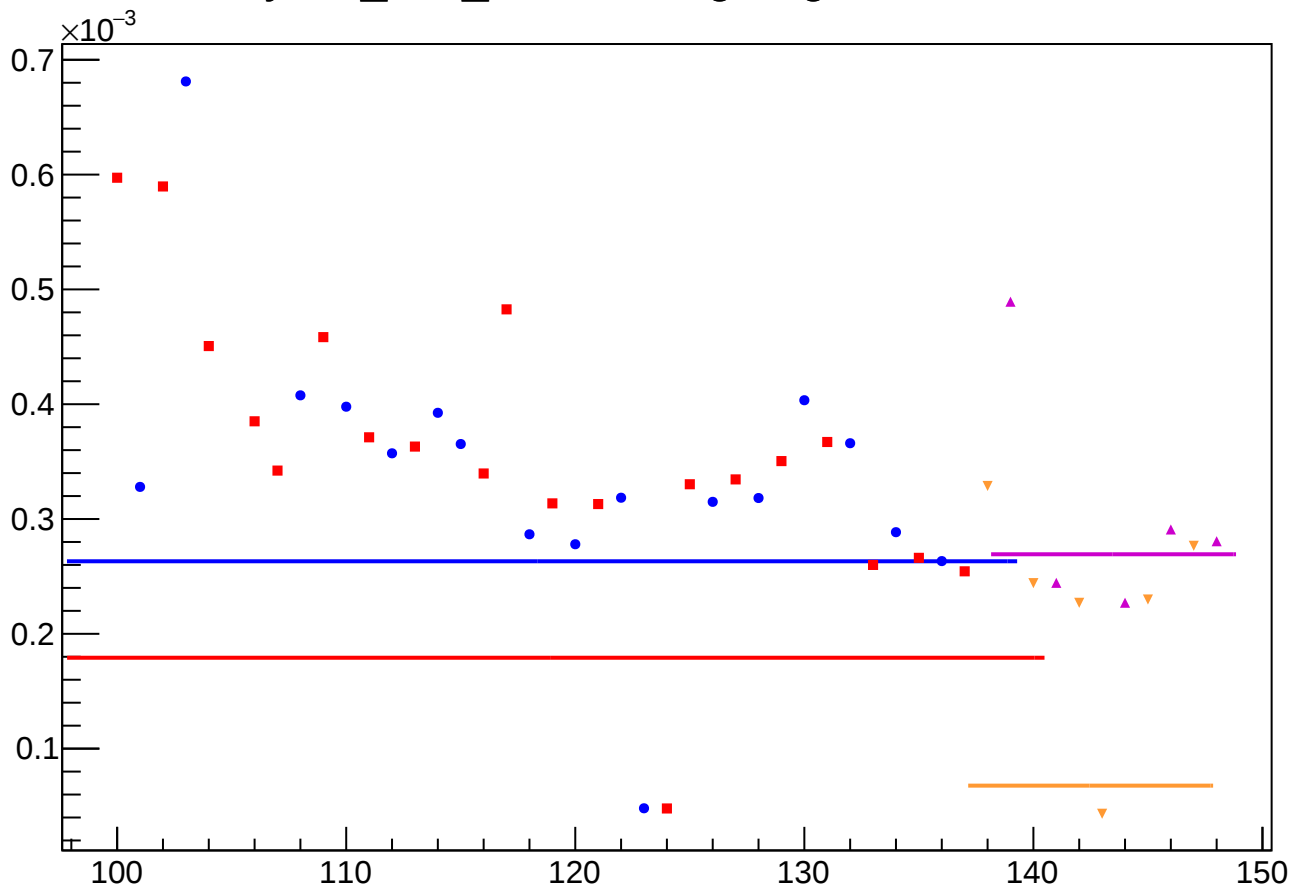
Left In: 0.021+/-0.000 χ^2/NDF : 592189003.0/4

0.011+/-0.000 χ^2/NDF : 64091533241.3/22

0.013+/-0.000 χ^2/NDF : 116218283557.7/22

0.020+/-0.000 χ^2/NDF : 40753135702.7/24

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 : 3723135.6/5

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

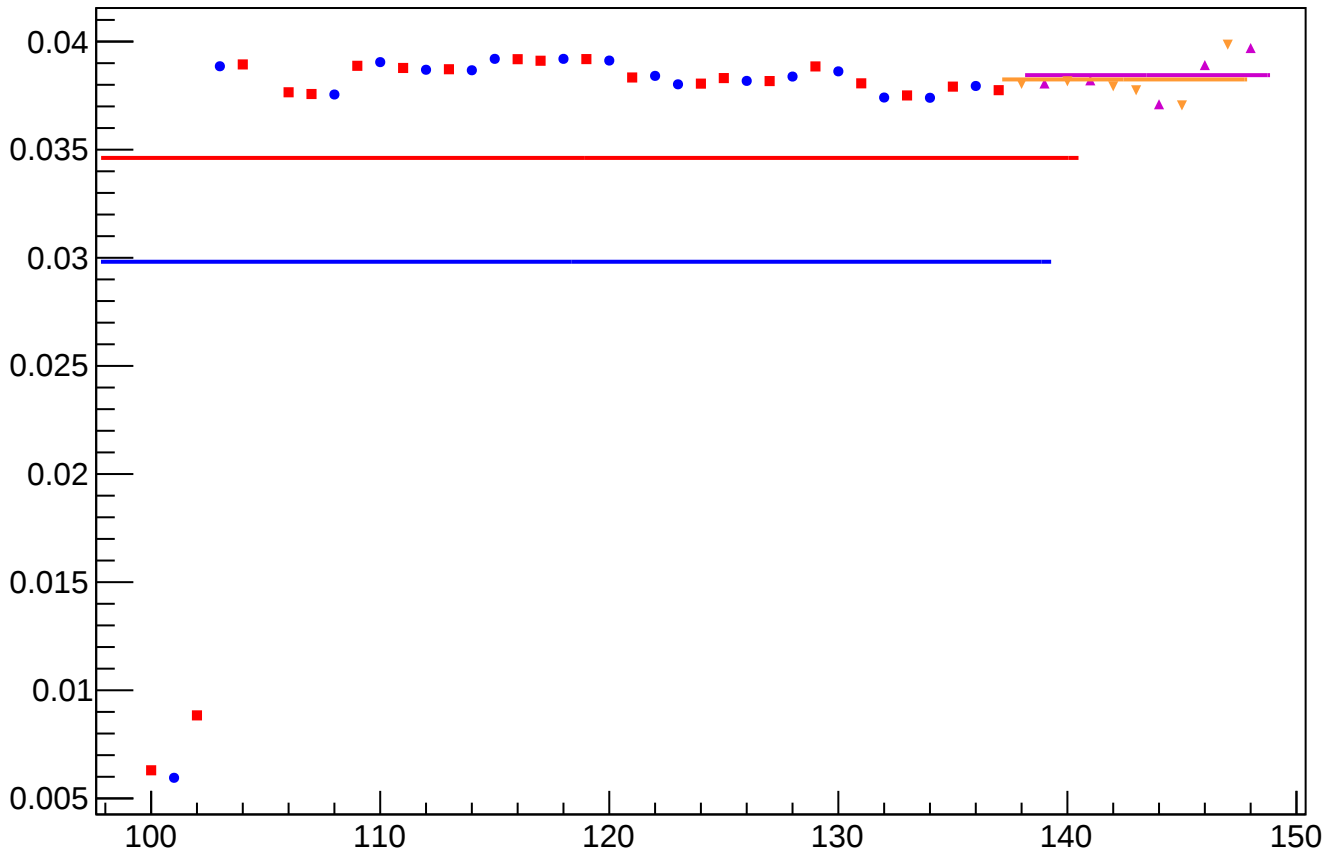
Left In: 0.000+/-0.000 χ^2/NDF : 363040.5/4

0.000+/-0.000 χ^2/NDF : 10708046.6/22

0.000+/-0.000 χ^2/NDF : 19844548.2/47

0.000+/-0.000 χ^2/NDF : 6292934.8/24

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.038 $\pm$ 0.000 χ^2 /NDF: 173125685.9/5

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43717644957.2/19

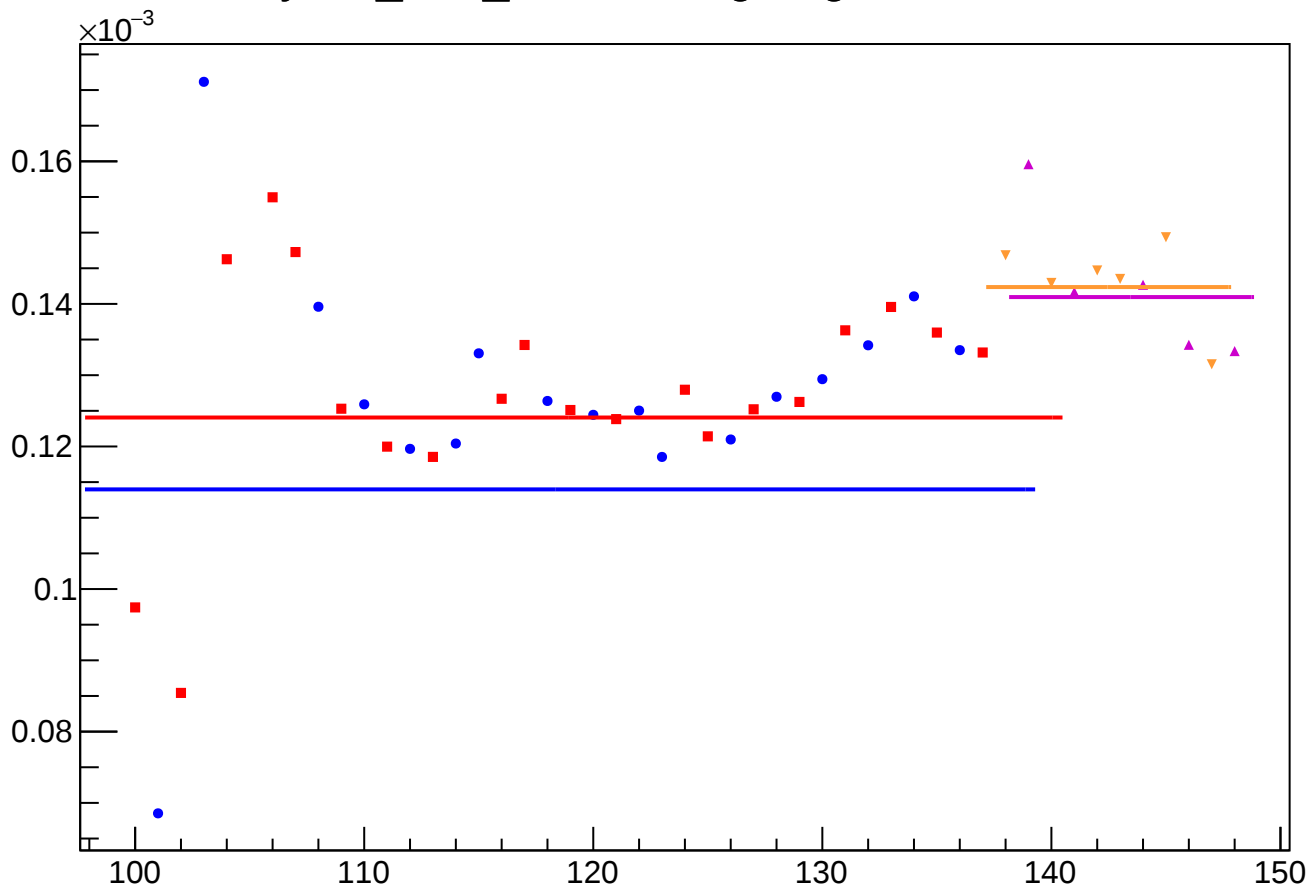
Left In: 0.038 $\pm$ 0.000 χ^2 /NDF: 158020765.6/4

0.032 $\pm$ 0.000 χ^2 /NDF: 107183189347.8/22

0.034 $\pm$ 0.000 χ^2 /NDF: 157037381793.0/22

0.036 $\pm$ 0.000 χ^2 /NDF: 45851528299.8/24

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 :15228.0/5

Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

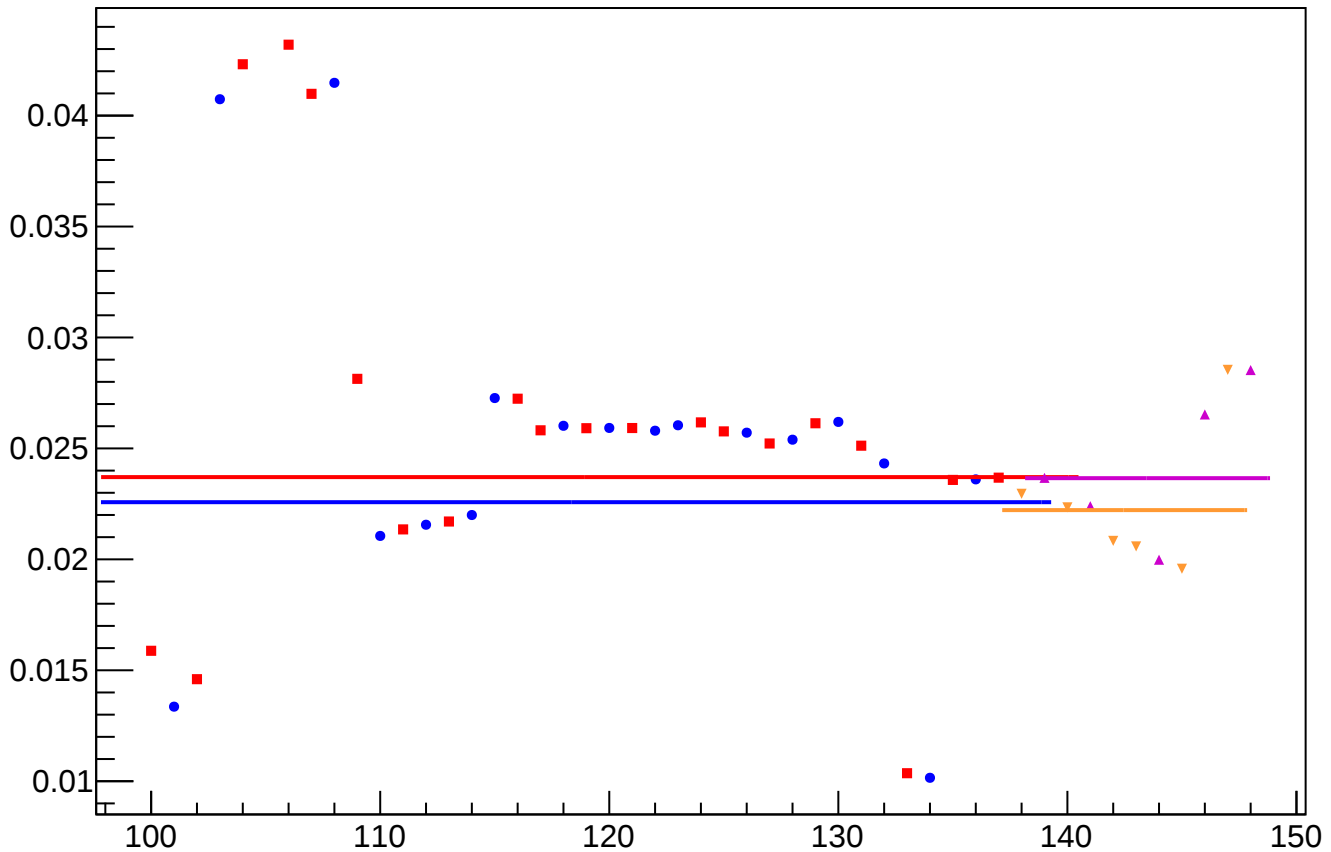
Left In: 0.000+/-0.000 χ^2/NDF :28661.2/4

0.000+/-0.000 χ^2/NDF : 1033212.6/22

0.000+/-0.000 χ^2/NDF : 1416201.8/47

0.000+/-0.000 χ^2/NDF : 351325.9/24

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.022+/-0.000 χ^2/NDF : 515870587.4/5

Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

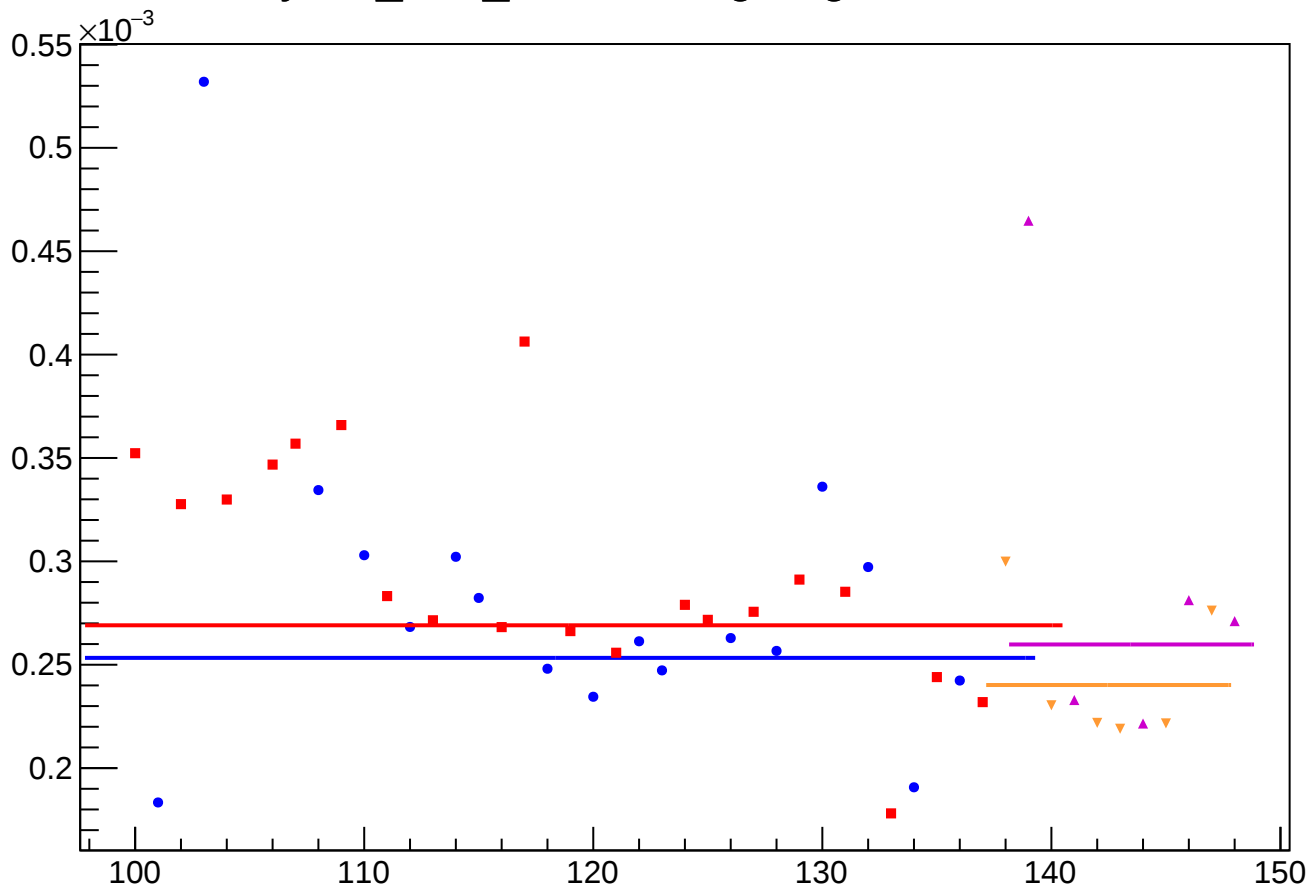
Left In: 0.024+/-0.000 χ^2/NDF : 554405871.3/4

0.022+/-0.000 χ^2/NDF : 4768293419.9/22

0.023+/-0.000 χ^2/NDF : 11089182566.9/4

0.024+/-0.000 χ^2/NDF : 6206986790.6/24

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000 +/- 0.000 χ^2/NDF : 101382.1/5

Right Out: 0.000 +/- 0.000 χ^2/NDF : 437710.5/19

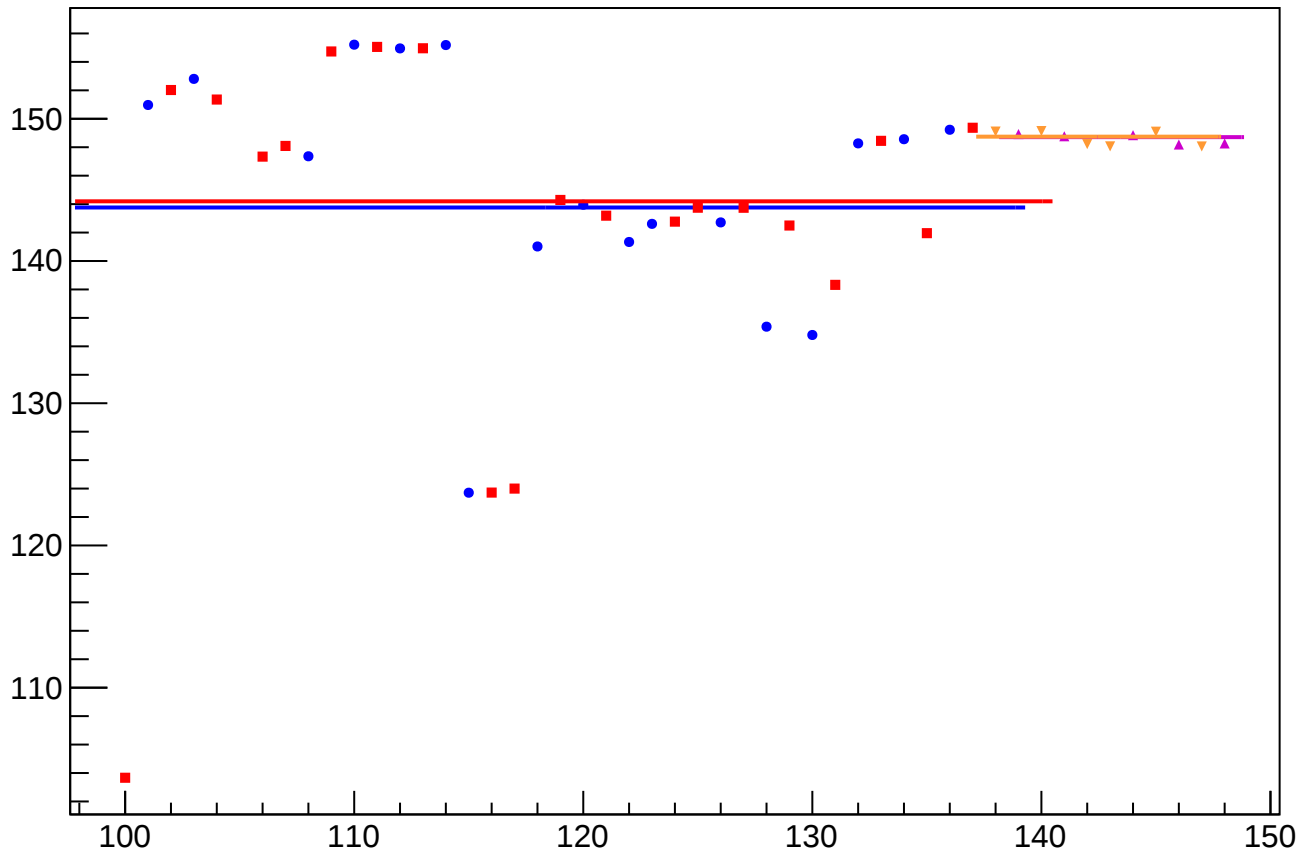
Left In: 0.000 +/- 0.000 χ^2/NDF : 350463.2/4

0.000 +/- 0.000 χ^2/NDF : 743097.1/22

0.000 +/- 0.000 χ^2/NDF : 1581208.9/47

0.000 +/- 0.000 χ^2/NDF : 793761.7/24

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 148.743 $\pm$ 0.000 χ^2 /NDF: 8102584.8/5

Right Out: 144.197 $\pm$ 0.000 χ^2 /NDF: 4523139755.0/19

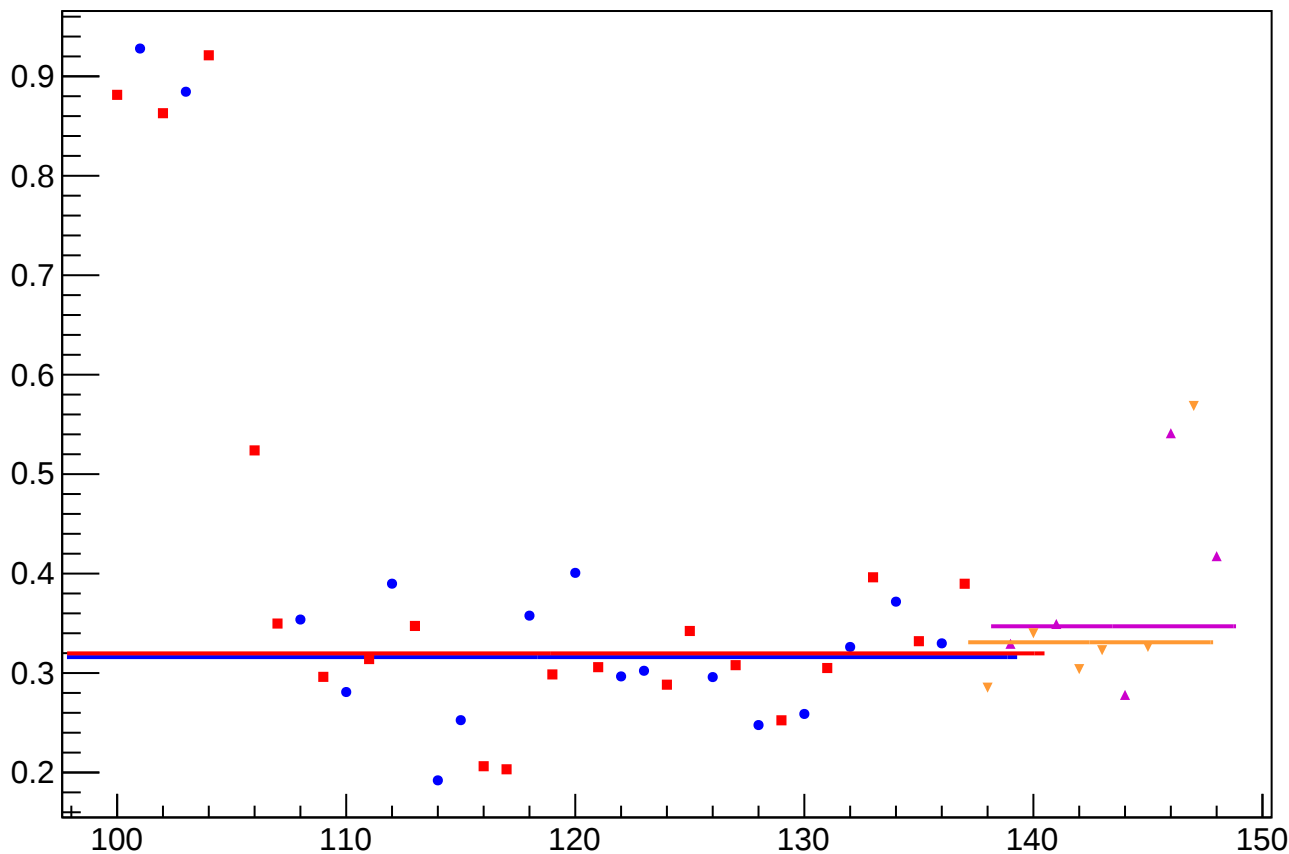
Left In: 148.710 $\pm$ 0.000 χ^2 /NDF: 2101644.0/4

145.684 $\pm$ 0.000 χ^2 /NDF: 4075029583.1/22

145.727 $\pm$ 0.000 χ^2 /NDF: 9009017300.3/22

145.771 $\pm$ 0.000 χ^2 /NDF: 4933654872.6/24

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 $\pm$ 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.331 $\pm$ 0.000 χ^2/NDF : 302100.3/5

Right Out: 0.320 $\pm$ 0.000 χ^2/NDF : 1241752.3/19

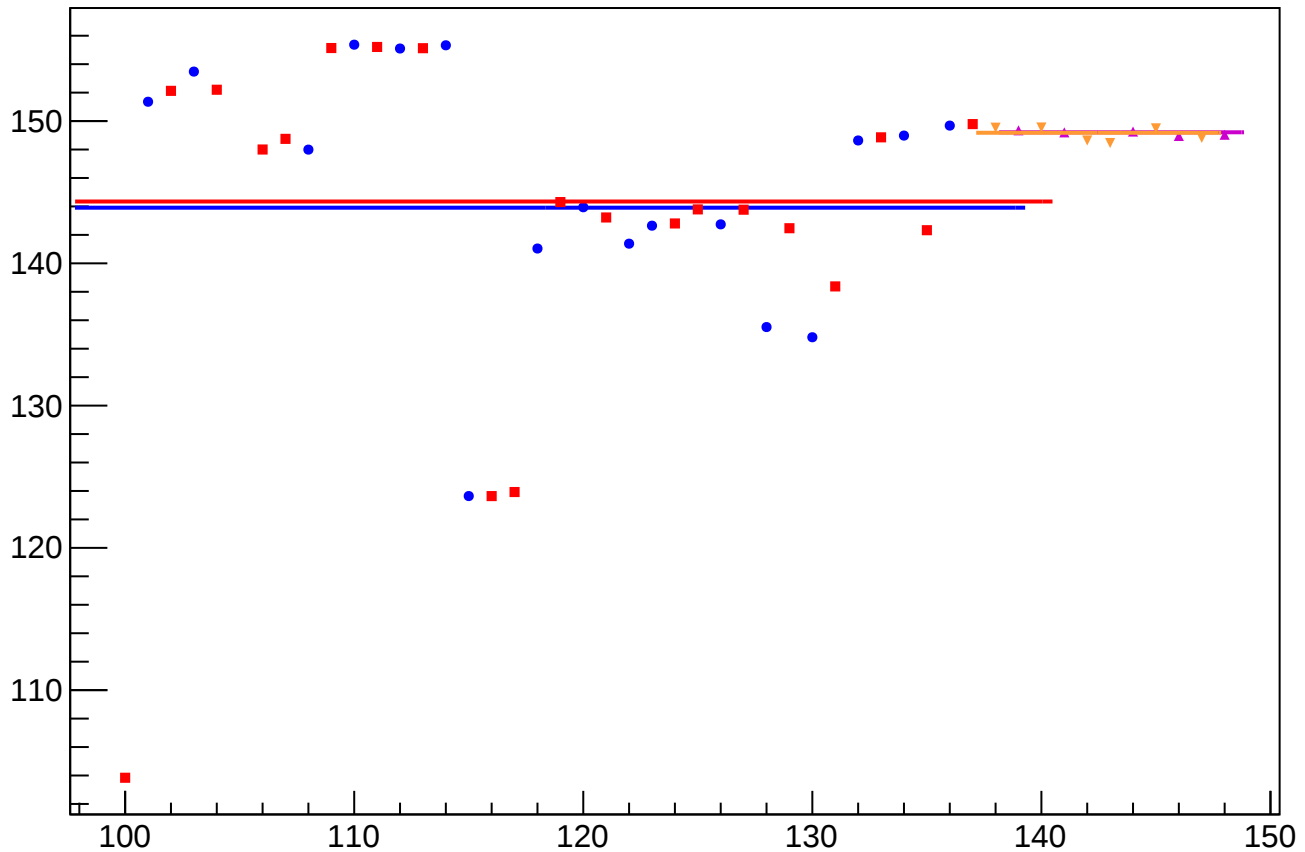
Left In: 0.347 $\pm$ 0.000 χ^2/NDF : 354683.9/4

0.322 $\pm$ 0.000 χ^2/NDF : 1577551.8/22

0.325 $\pm$ 0.000 χ^2/NDF : 3208779.8/47

0.329 $\pm$ 0.000 χ^2/NDF : 1626216.6/24

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 149.178 $\pm$ 0.000 χ^2 /NDF: 7328333.3/5

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

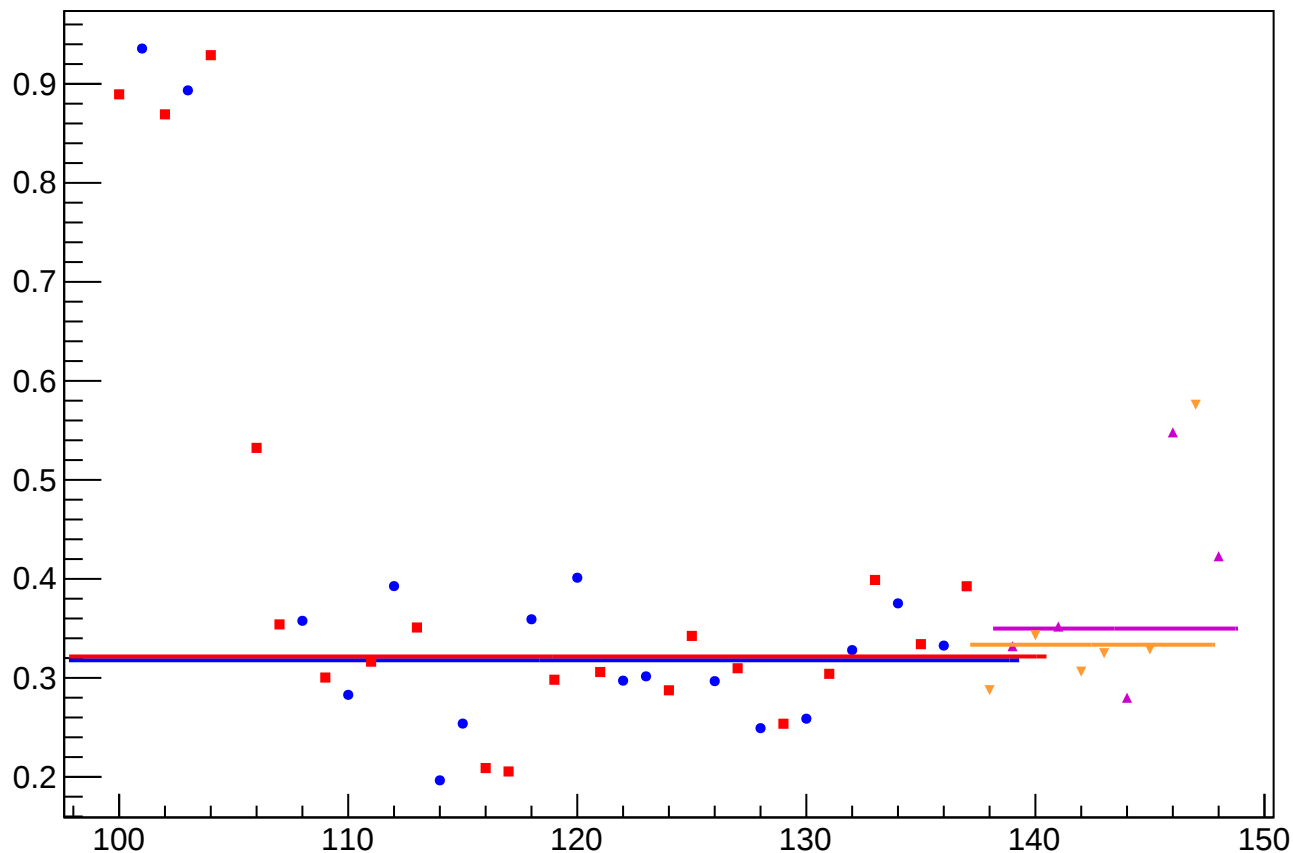
Left In: 149.212 $\pm$ 0.000 χ^2 /NDF: 453081.7/4

145.938 $\pm$ 0.000 χ^2 /NDF: 4181879342.8/22

145.987 $\pm$ 0.000 χ^2 /NDF: 9200902325.2/22

146.038 $\pm$ 0.000 χ^2 /NDF: 5018586962.1/24

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.334 $\pm$ 0.000 χ^2/NDF : 305829.6/5

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244304.0/19

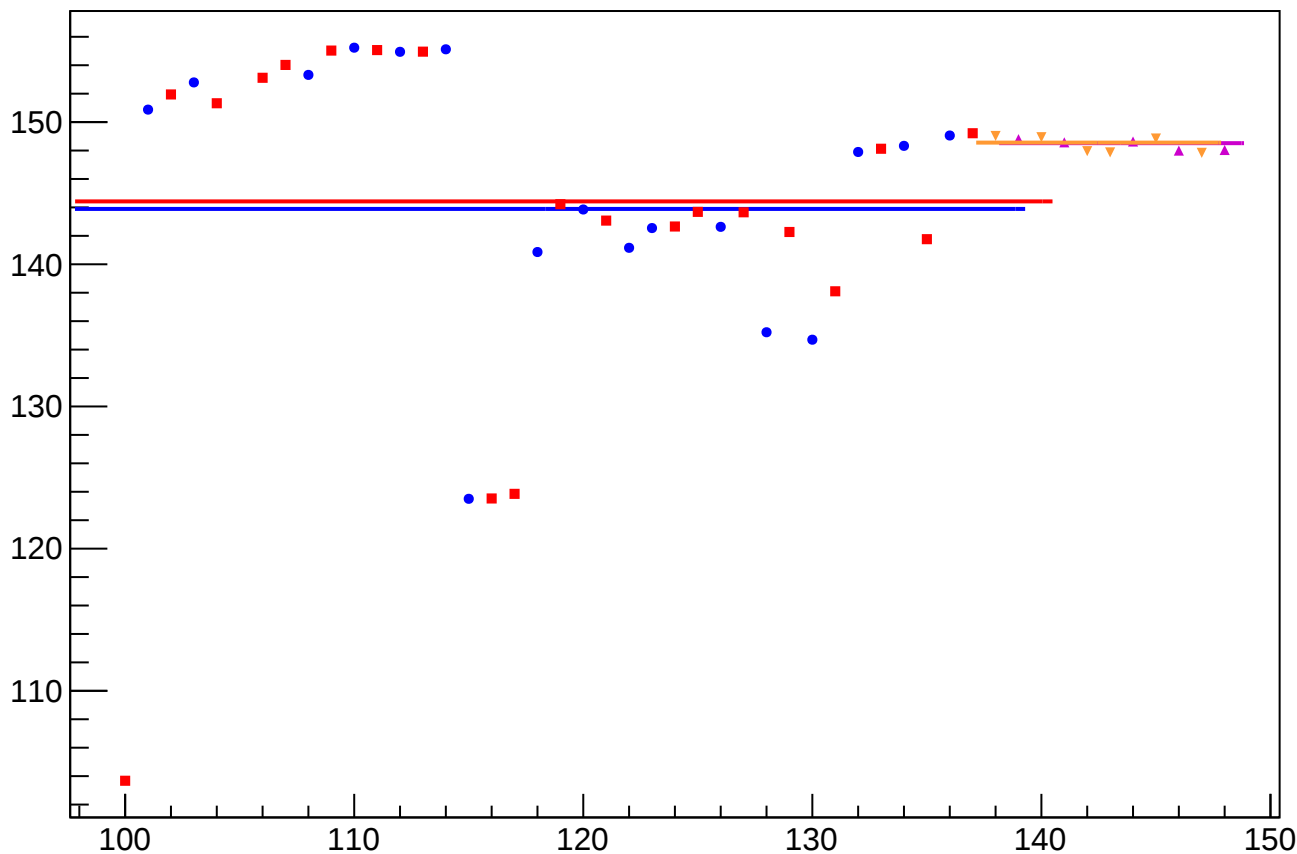
Left In: 0.350 $\pm$ 0.000 χ^2/NDF : 361142.8/4

0.324 $\pm$ 0.000 χ^2/NDF : 1584526.5/22

0.328 $\pm$ 0.000 χ^2/NDF : 3226418.2/47

0.331 $\pm$ 0.000 χ^2/NDF : 1636818.7/24

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3752655677.2/16

Left Out: 148.558 $\pm$ 0.000 χ^2 /NDF: 9045302.8/5

Right Out: 144.423 $\pm$ 0.000 χ^2 /NDF: 4819194675.6/19

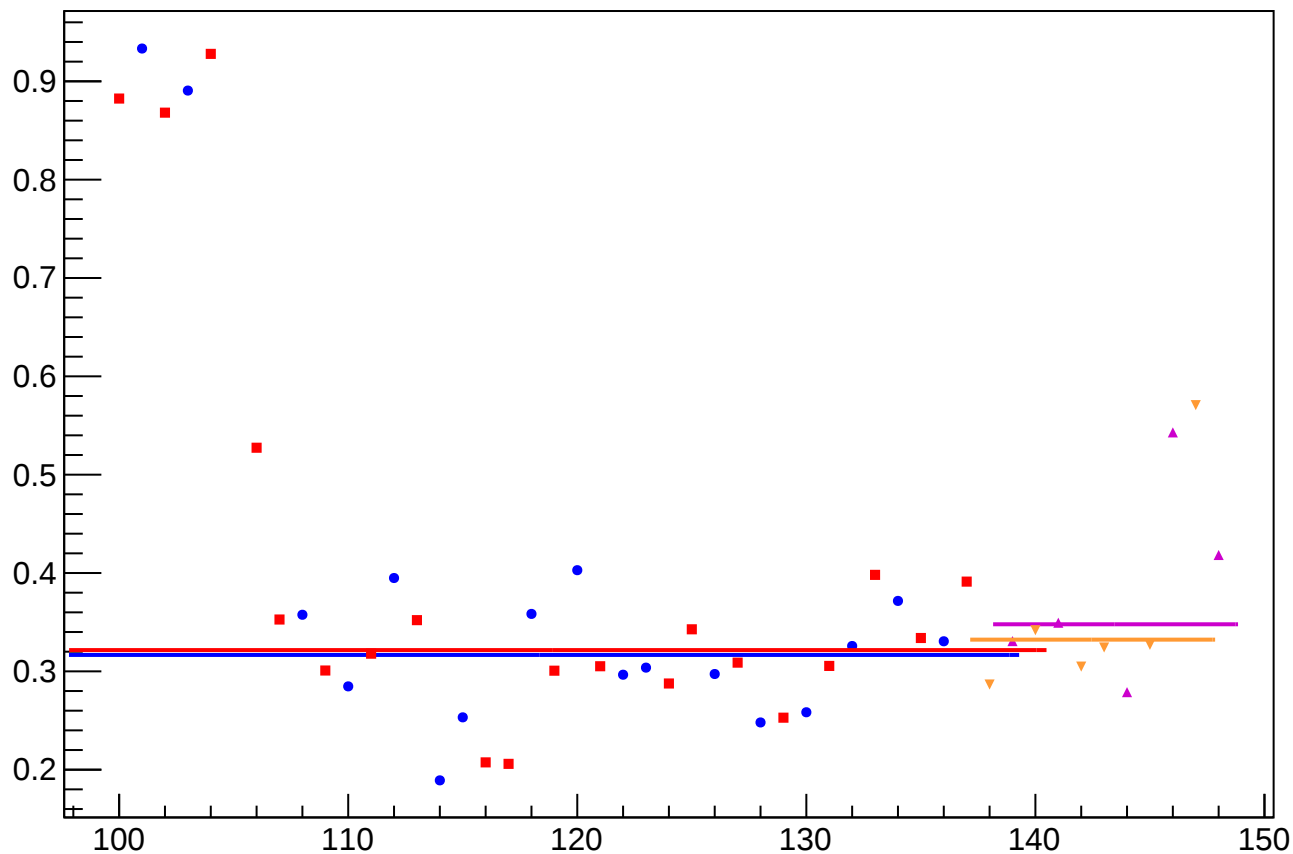
Left In: 148.519 $\pm$ 0.000 χ^2 /NDF: 2390747.4/4

145.691 $\pm$ 0.000 χ^2 /NDF: 4225186241.2/22

145.773 $\pm$ 0.000 χ^2 /NDF: 9381993744.3/22

145.858 $\pm$ 0.000 χ^2 /NDF: 5155574738.8/24

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.332 $\pm$ 0.000 χ^2/NDF : 301974.0/5

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244671.1/19

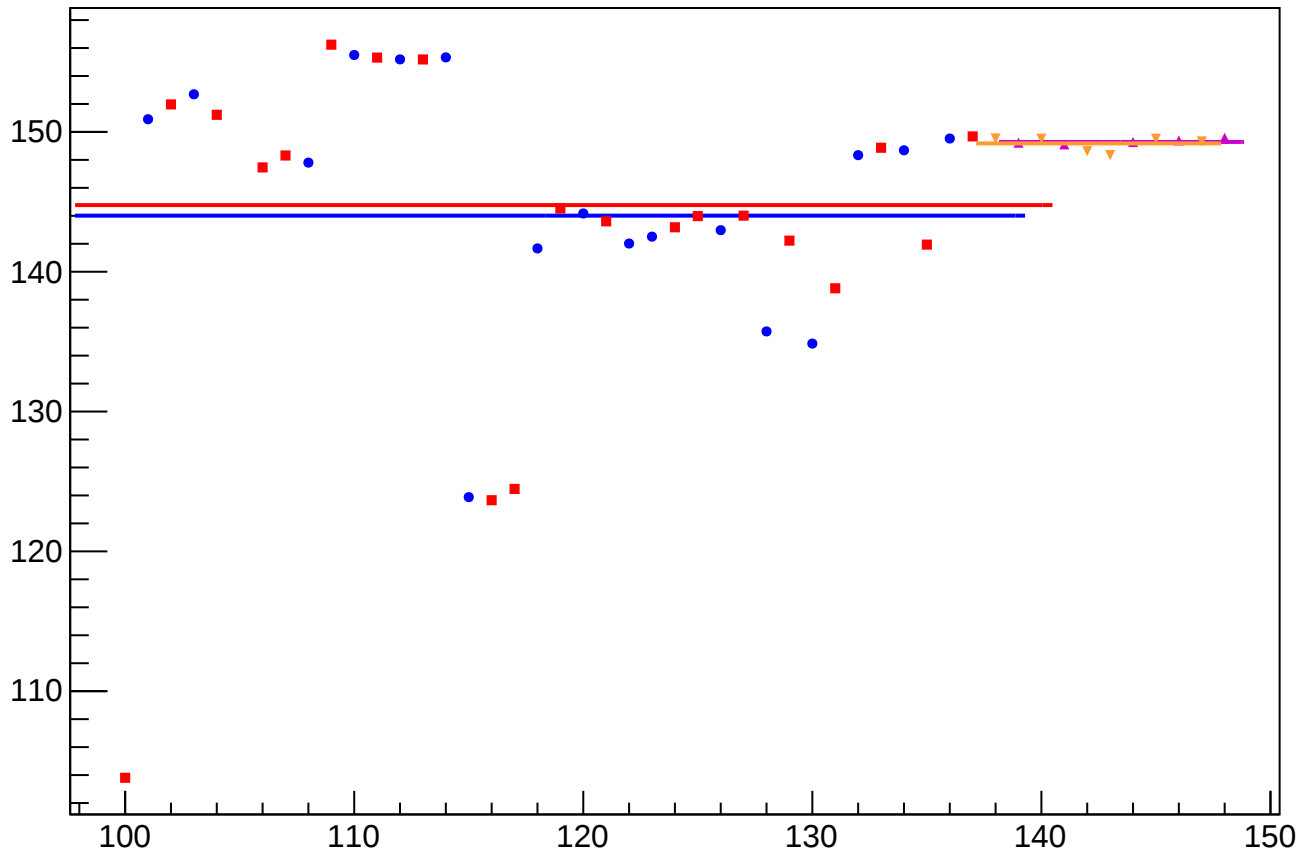
Left In: 0.348 $\pm$ 0.000 χ^2/NDF : 354431.6/4

0.323 $\pm$ 0.000 χ^2/NDF : 1592638.5/22

0.327 $\pm$ 0.000 χ^2/NDF : 3225032.6/47

0.331 $\pm$ 0.000 χ^2/NDF : 1626536.9/24

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 149.177 $\pm$ 0.000 χ^2 /NDF: 7296926.0/5

Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

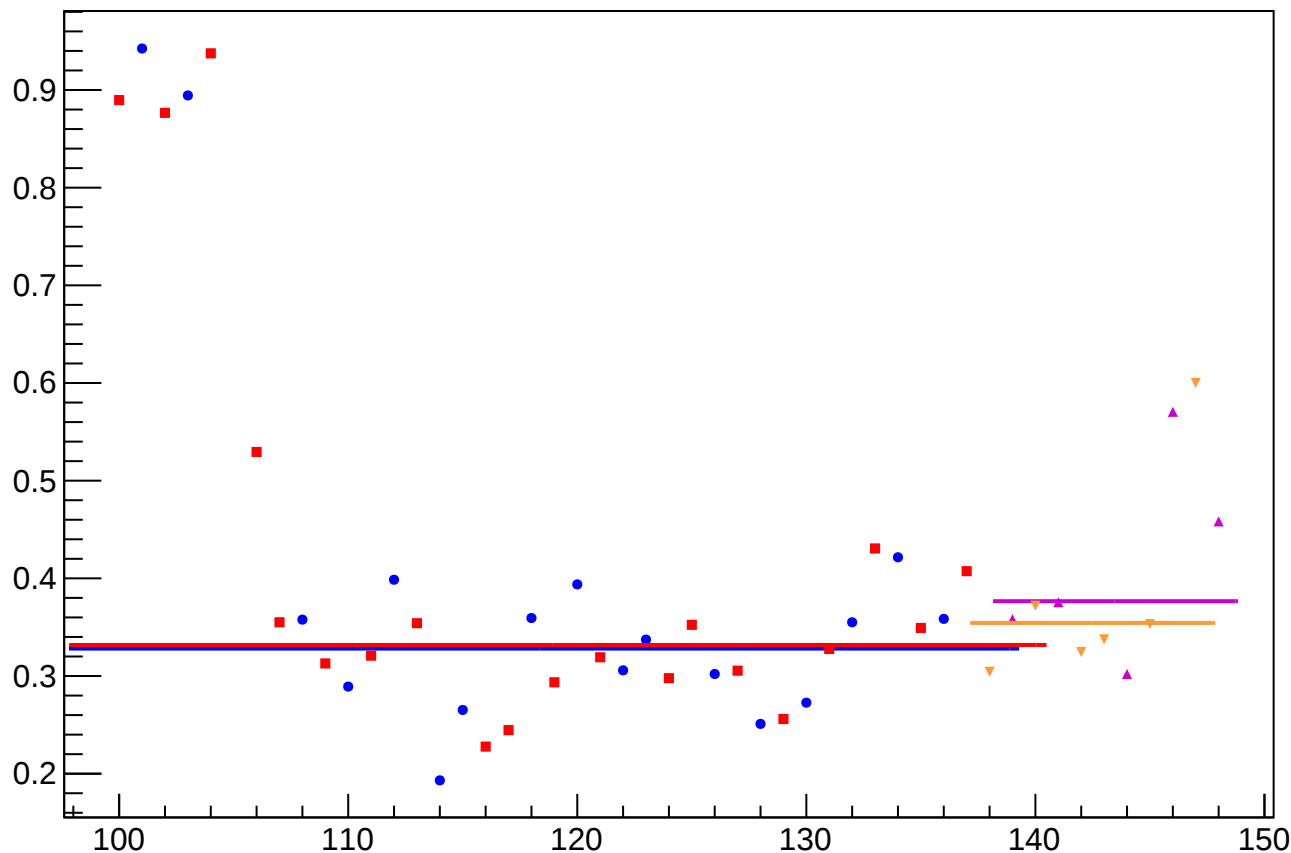
Left In: 149.283 $\pm$ 0.000 χ^2 /NDF: 535880.6/4

145.923 $\pm$ 0.000 χ^2 /NDF: 3755557338.3/22

146.084 $\pm$ 0.000 χ^2 /NDF: 8215320220.5/24

146.250 $\pm$ 0.000 χ^2 /NDF: 4455474425.7/24

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.354+/-0.000 χ^2/NDF : 296400.4/5

Right Out: 0.332+/-0.000 χ^2/NDF : 1194167.8/19

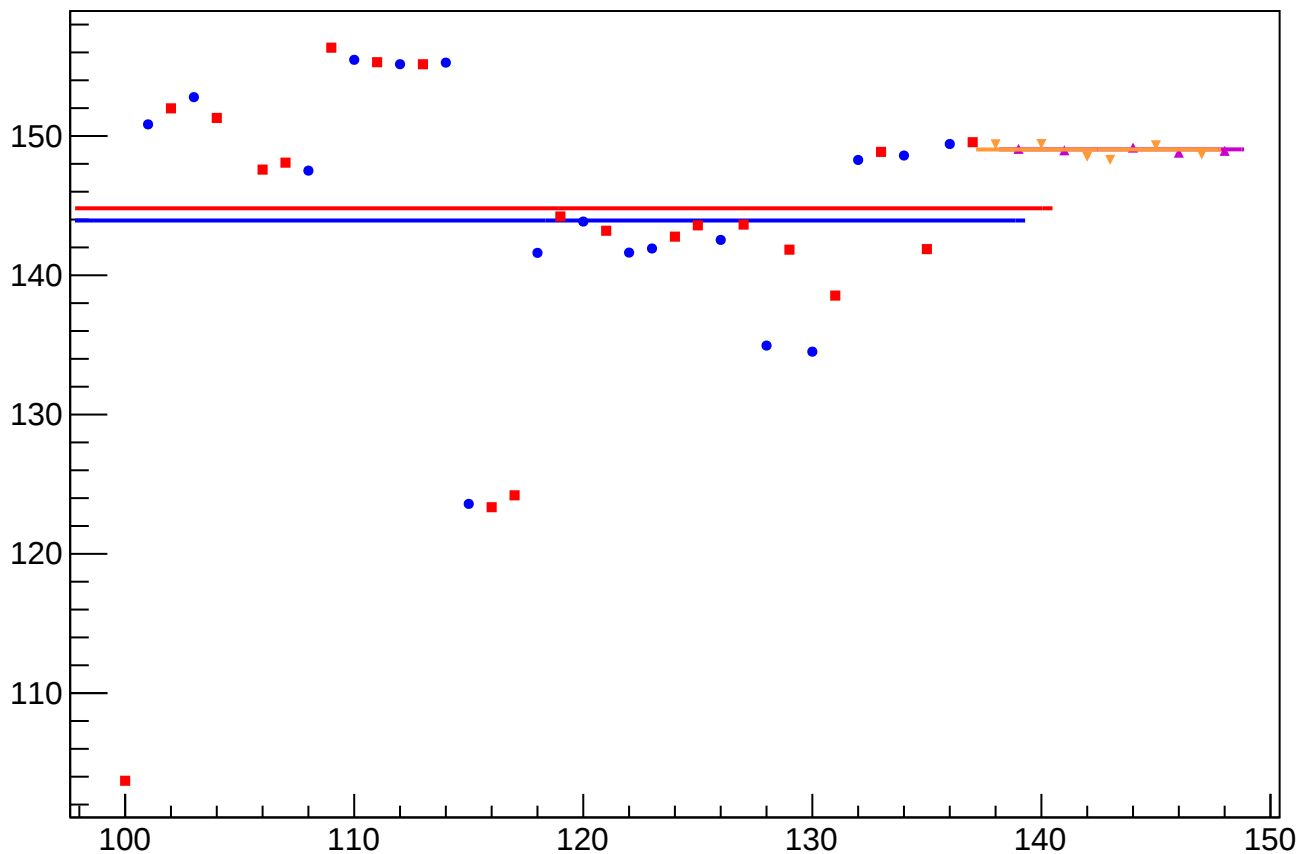
Left In: 0.377+/-0.000 χ^2/NDF : 334686.8/4

0.338+/-0.000 χ^2/NDF : 1588448.6/22

0.342+/-0.000 χ^2/NDF : 3193768.4/47

0.347+/-0.000 χ^2/NDF : 1599277.4/24

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 149.031 $\pm$ 0.000 χ^2 /NDF: 6637180.2/5

Right Out: 144.809 $\pm$ 0.000 χ^2 /NDF: 4138041955.6/19

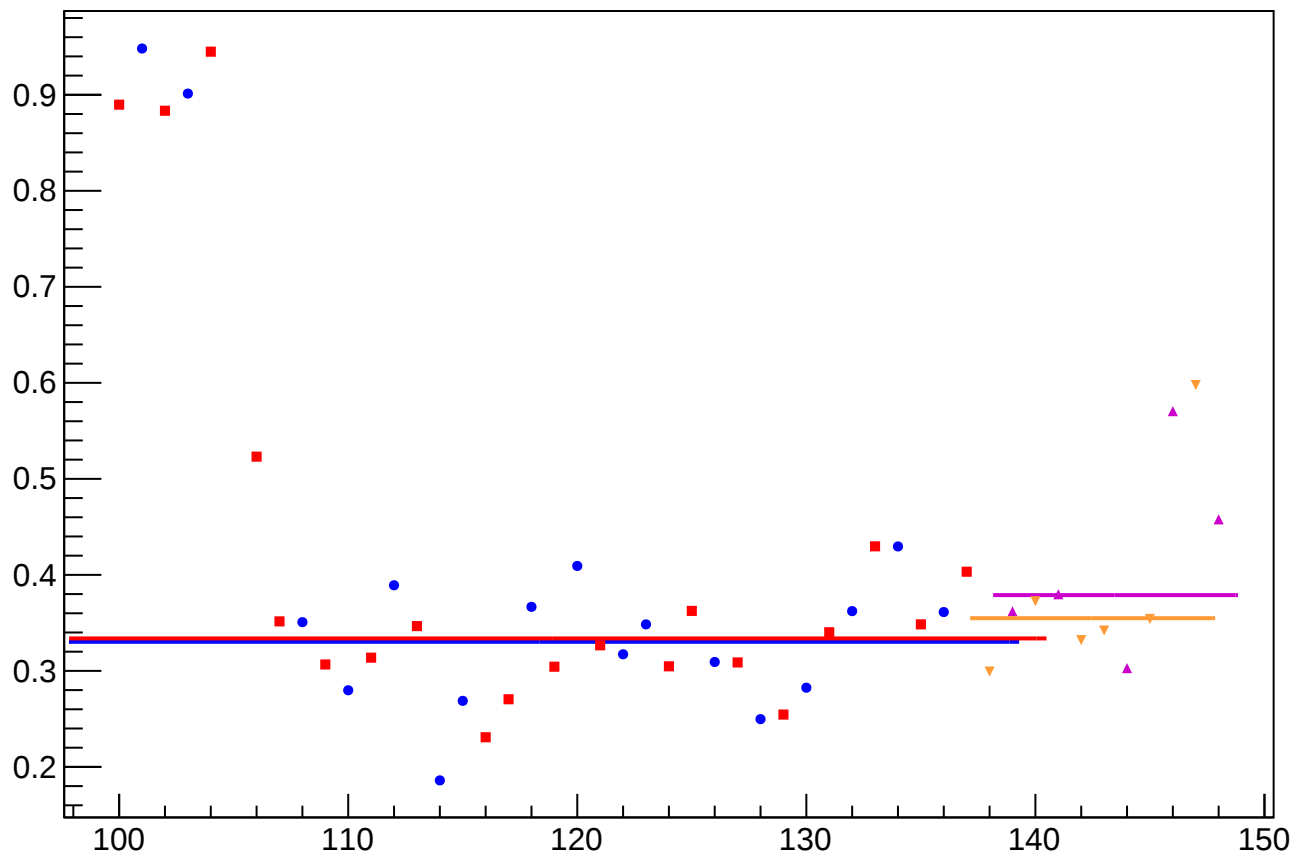
Left In: 149.040 $\pm$ 0.000 χ^2 /NDF: 351305.8/4

145.830 $\pm$ 0.000 χ^2 /NDF: 3877884401.2/22

146.010 $\pm$ 0.000 χ^2 /NDF: 8330531171.0/22

146.195 $\pm$ 0.000 χ^2 /NDF: 4447369527.6/24

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.355 $\pm$ 0.000 χ^2/NDF : 297658.9/5

Right Out: 0.334 $\pm$ 0.000 χ^2/NDF : 1177889.1/19

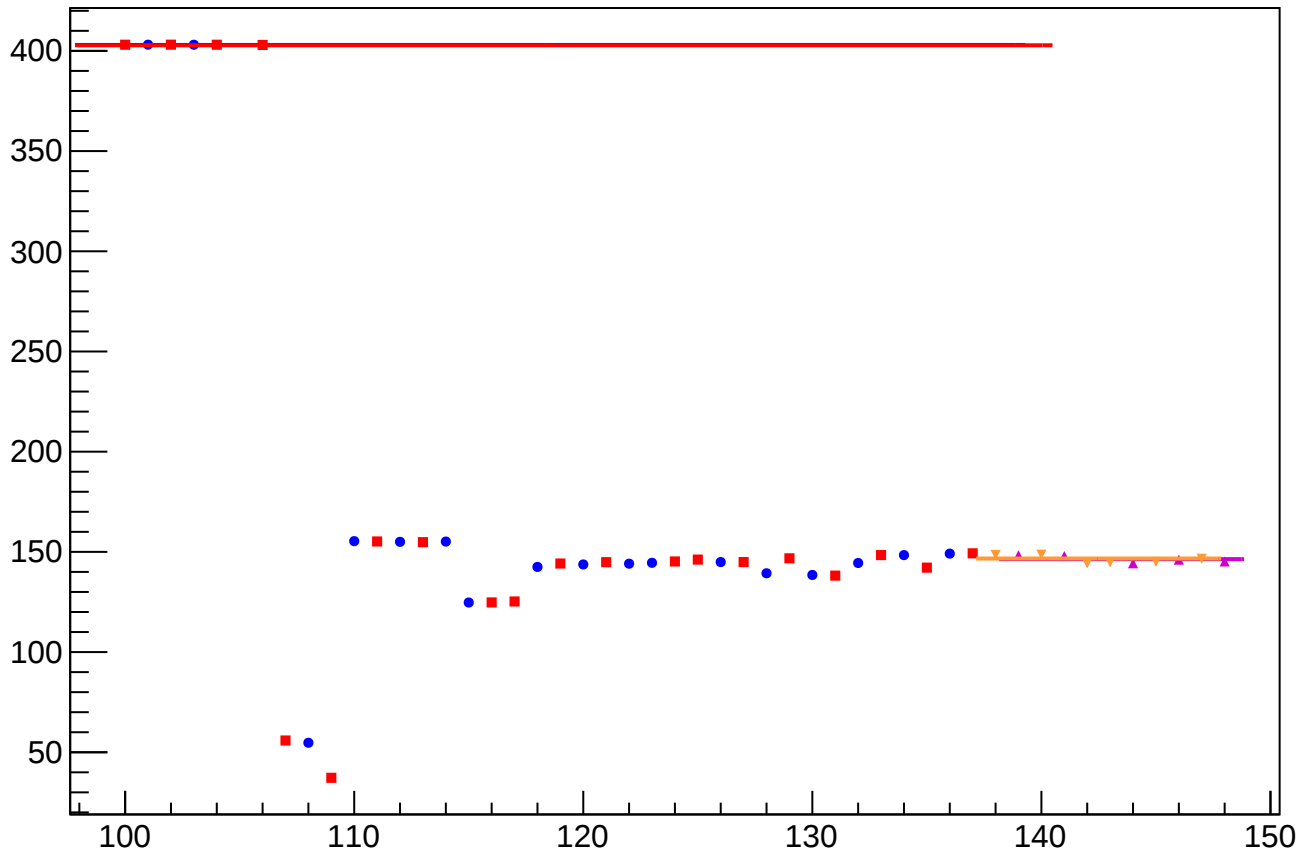
Left In: 0.379 $\pm$ 0.000 χ^2/NDF : 328754.3/4

0.339 $\pm$ 0.000 χ^2/NDF : 1604267.9/22

0.344 $\pm$ 0.000 χ^2/NDF : 3187775.0/47

0.349 $\pm$ 0.000 χ^2/NDF : 1576891.6/24

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.682+/-0.000 χ^2/NDF : 21552214.3/5

Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

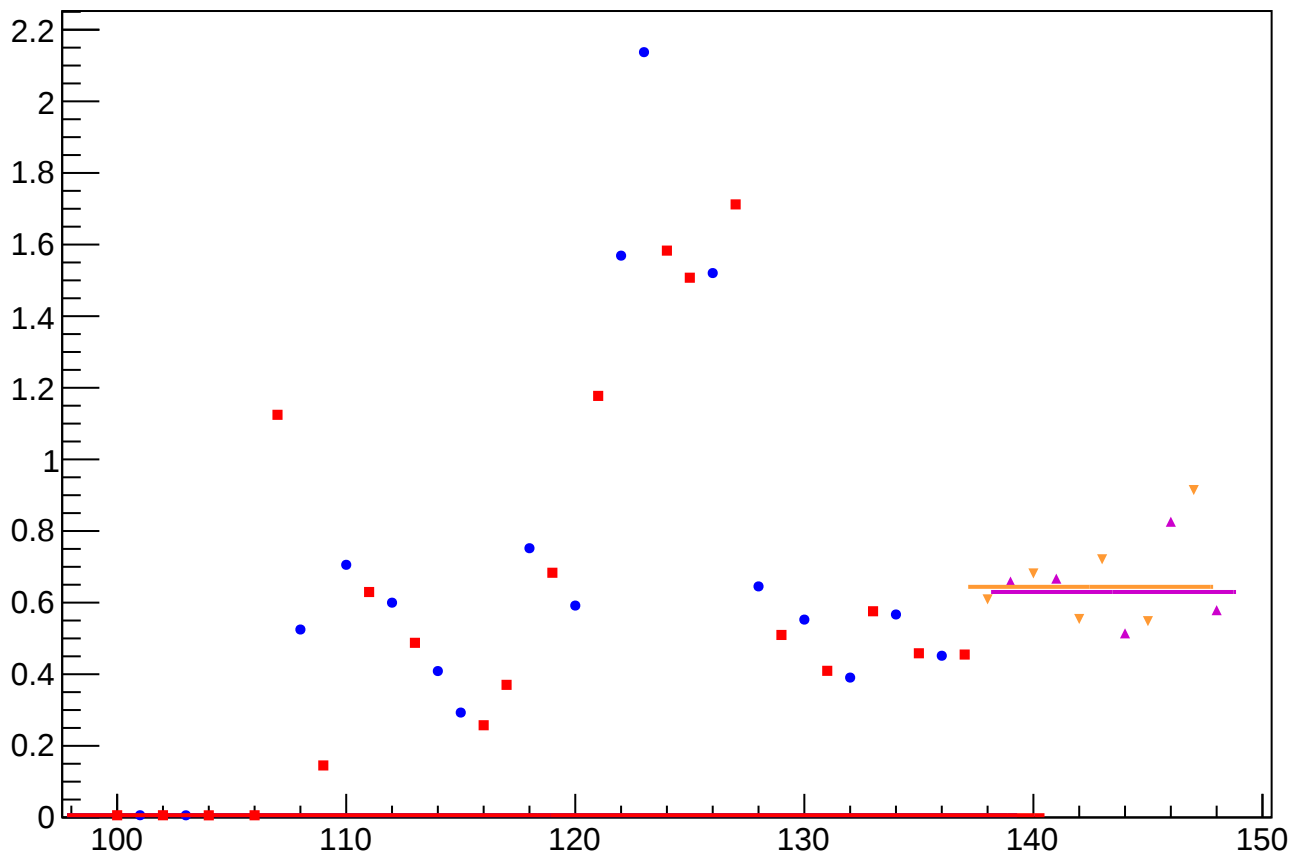
Left In: 146.374+/-0.000 χ^2/NDF : 17771370.0/4

402.904+/-0.000 χ^2/NDF : 1524438204155.8/22

402.821+/-0.000 χ^2/NDF : 508478181828

402.748+/-0.000 χ^2/NDF : 3559944038438.9/24

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.644+/-0.000 χ^2/NDF :144717.4/5

Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

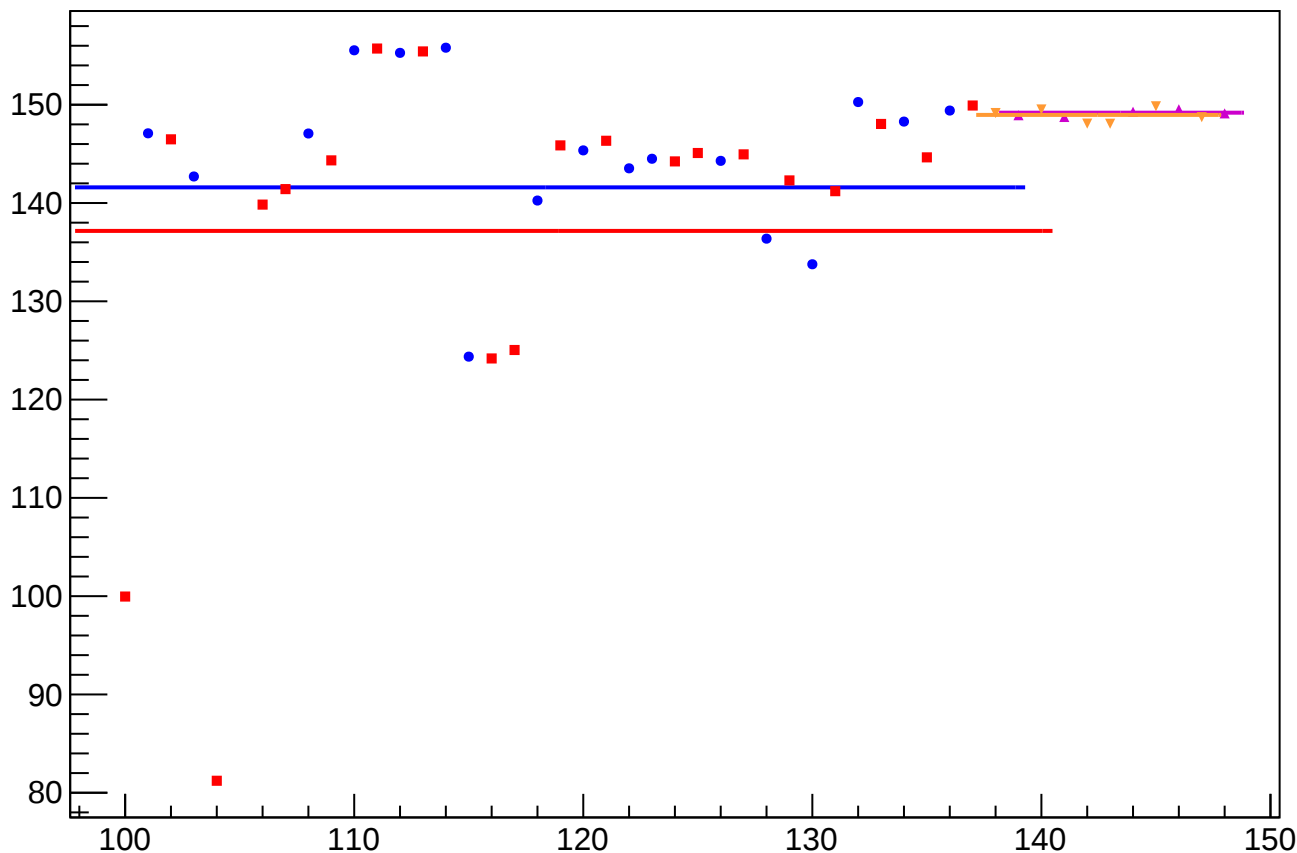
Left In: 0.630+/-0.000 χ^2/NDF :119246.1/4

0.006+/-0.000 χ^2/NDF : 14550379.7/22

0.006+/-0.000 χ^2/NDF : 29117394.1/47

0.006+/-0.000 χ^2/NDF : 14566995.7/24

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 ± 0.000 χ^2/NDF : 980101868.2/16

Left Out: 148.965 ± 0.000 χ^2/NDF : 6570430.0/5

Right Out: 137.162 ± 0.000 χ^2/NDF : 1366089515.6/19

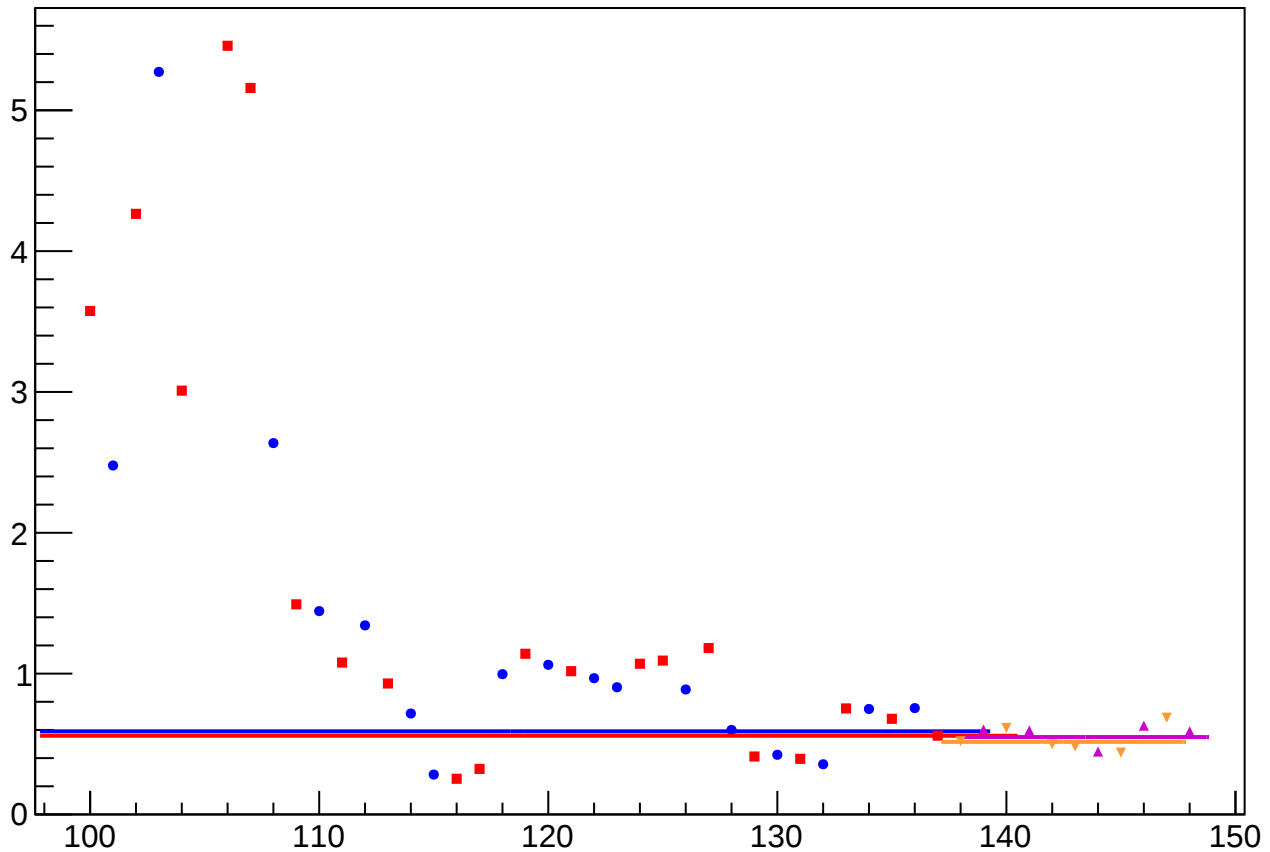
Left In: 149.191 ± 0.000 χ^2/NDF : 635720.6/4

145.581 ± 0.000 χ^2/NDF : 1283475378.8/22

144.315 ± 0.000 χ^2/NDF : 3491938824.7/19

143.007 ± 0.000 χ^2/NDF : 2136759386.6/24

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.515+/-0.000 χ^2/NDF : 162241.1/5

Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

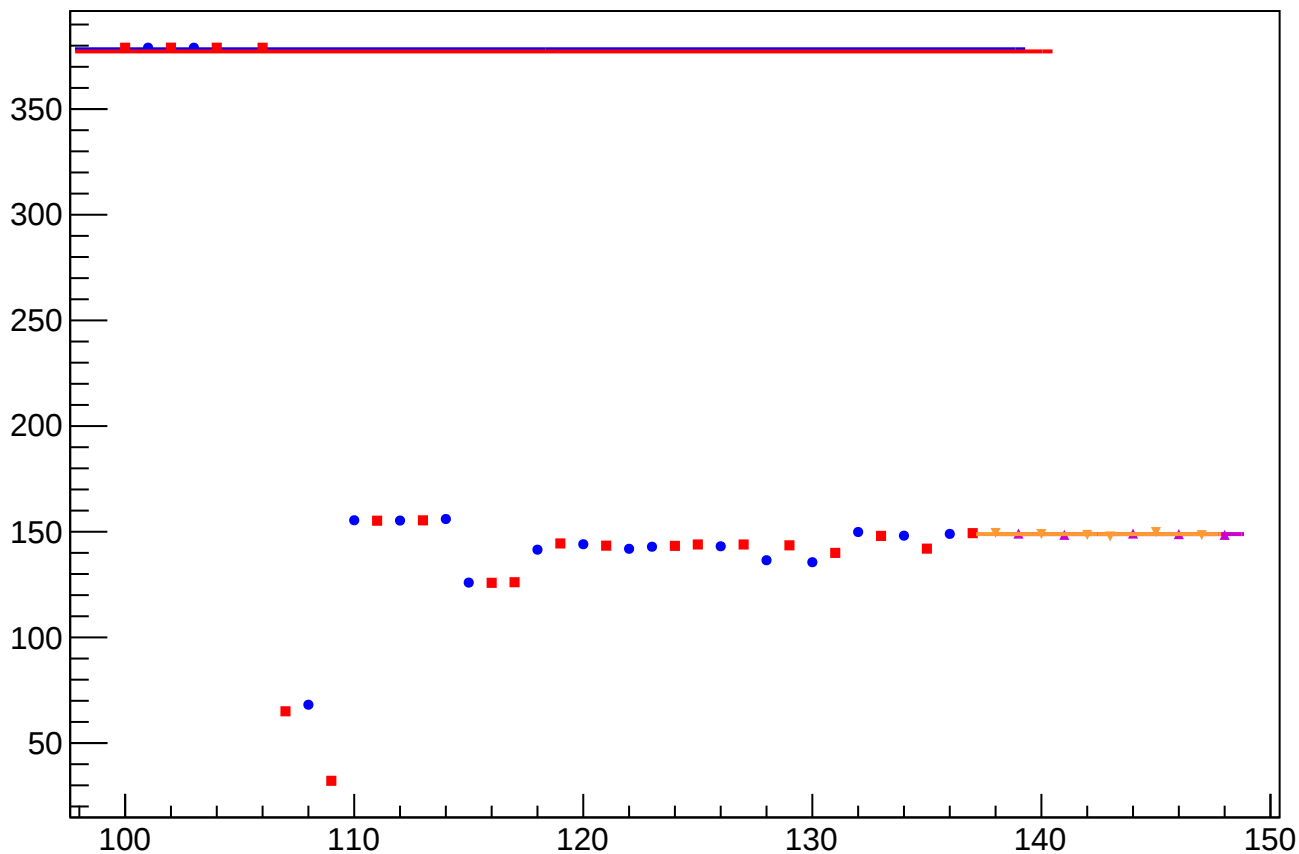
Left In: 0.550+/-0.000 χ^2/NDF : 123800.8/4

0.550+/-0.000 χ^2/NDF : 3715403.9/22

0.552+/-0.000 χ^2/NDF : 8561827.7/47

0.554+/-0.000 χ^2/NDF : 4845973.8/24

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.896+/-0.000 χ^2/NDF : 13458857.3/5

Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

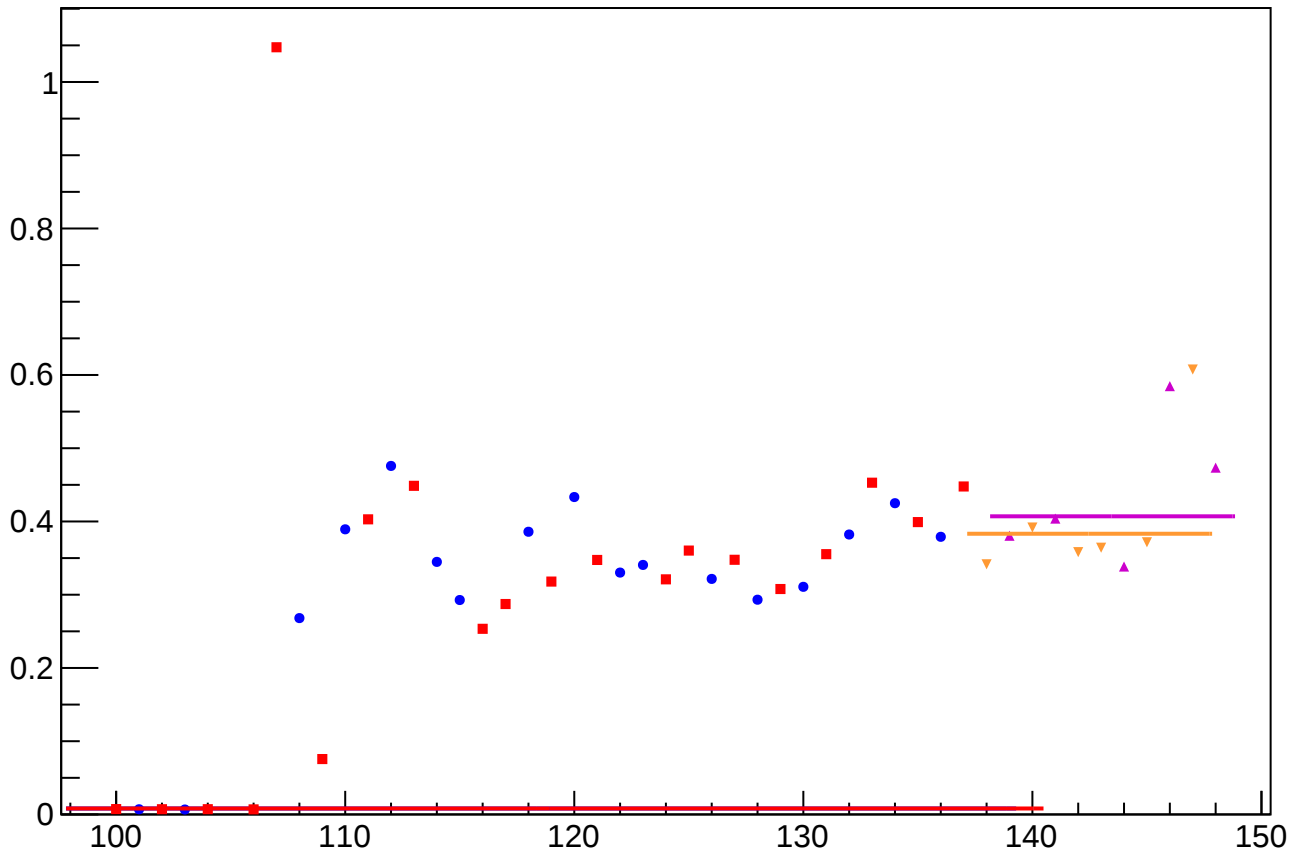
Left In: 148.889+/-0.000 χ^2/NDF : 1781211.8/4

377.827+/-0.000 χ^2/NDF : 3899330363020.0/22

377.353+/-0.000 χ^2/NDF : 134104033663

376.936+/-0.000 χ^2/NDF : 9505430923782.5/24

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.383 $\pm$ 0.000 χ^2/NDF : 232021.5/5

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9589375.6/19

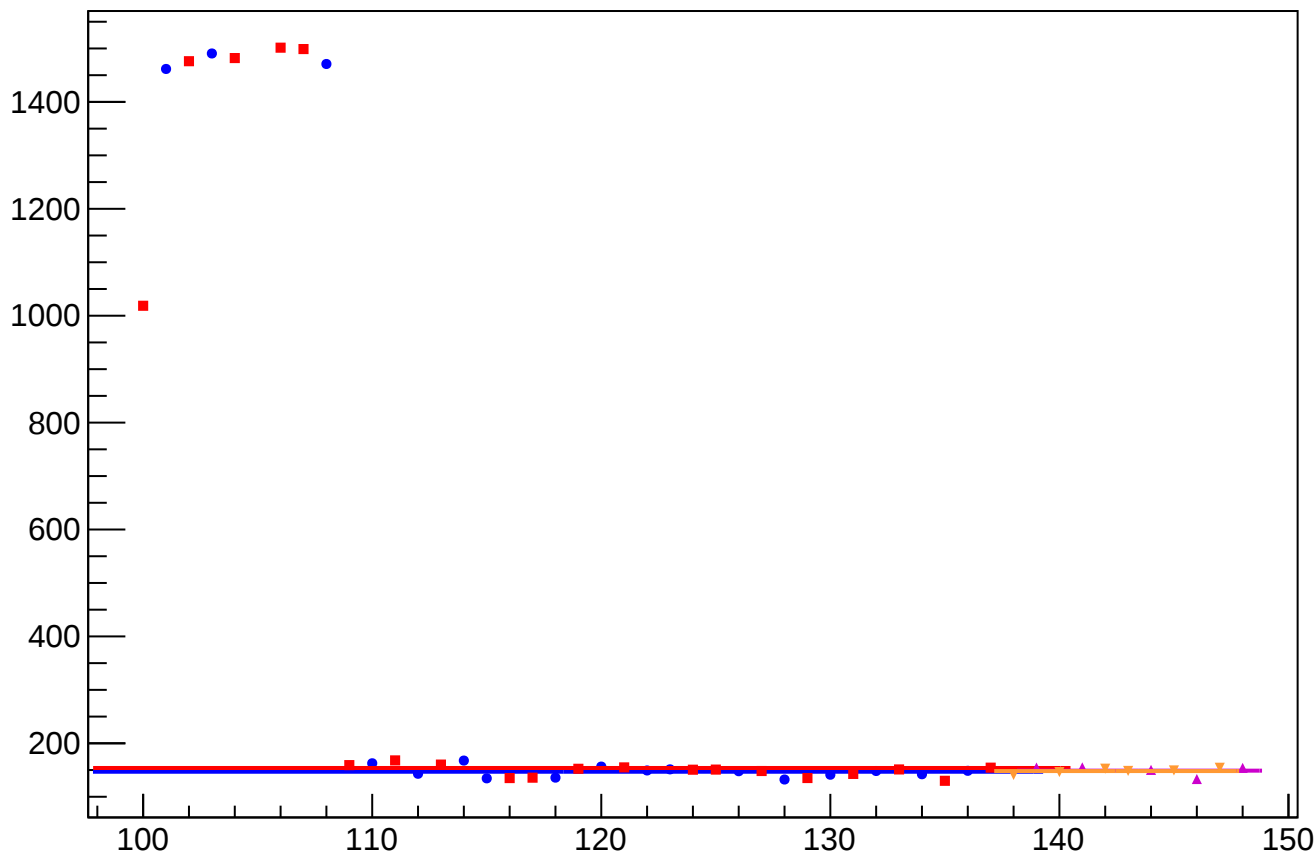
Left In: 0.407 $\pm$ 0.000 χ^2/NDF : 253940.6/4

0.009 $\pm$ 0.000 χ^2/NDF : 17478374.6/22

0.009 $\pm$ 0.000 χ^2/NDF : 34595224.2/47

0.009 $\pm$ 0.000 χ^2/NDF : 17116673.5/24

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 148.080+/-0.000 χ^2/NDF : 76019134.0/5

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

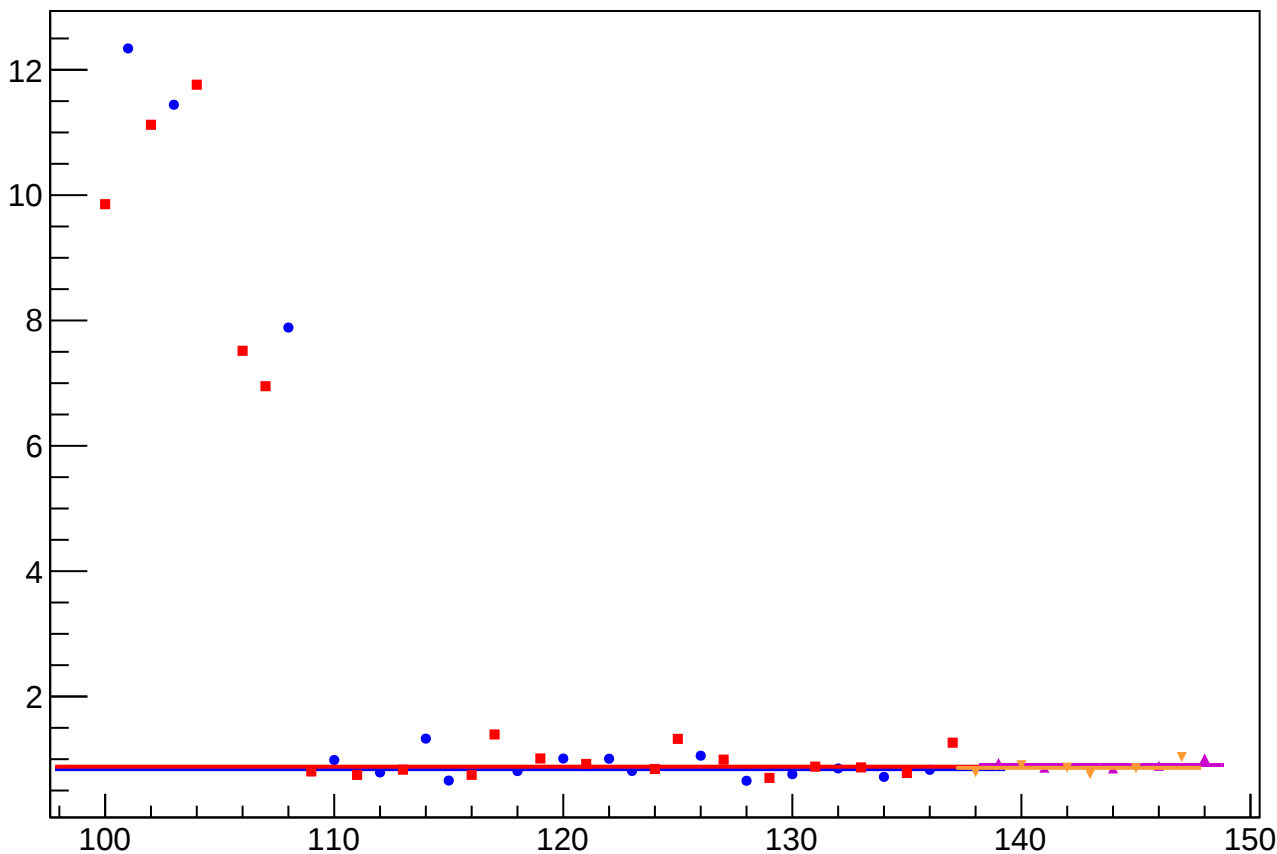
Left In: 148.840+/-0.001 χ^2/NDF : 284179566.5/4

147.362+/-0.000 χ^2/NDF : 24440439692.6/22

149.524+/-0.000 χ^2/NDF : 58612864048.4

151.721+/-0.000 χ^2/NDF : 34084341268.2/24

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.862 ± 0.000 χ^2/NDF : 63937.7/5

Right Out: 0.880 ± 0.000 χ^2/NDF : 2825356.7/19

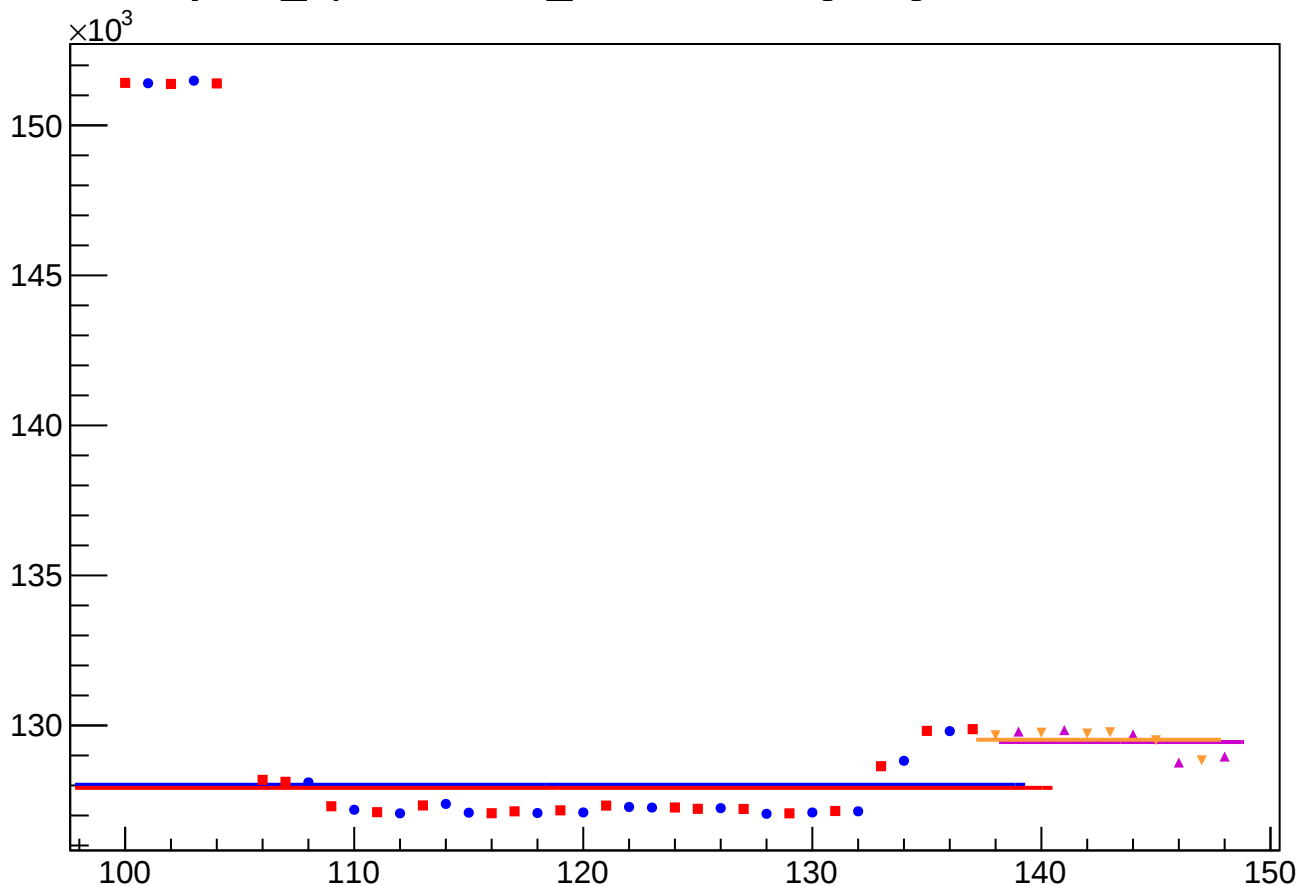
Left In: 0.907 ± 0.000 χ^2/NDF : 25632.3/4

0.850 ± 0.000 χ^2/NDF : 2728302.5/22

0.871 ± 0.000 χ^2/NDF : 5598347.9/47

0.891 ± 0.000 χ^2/NDF : 2854158.0/24

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2/NDF : 4316540586.9/16

Left Out: 129524.153 $\pm$ 0.084 χ^2/NDF : 18423554.4/5

Right Out: 127921.299 $\pm$ 0.050 χ^2/NDF : 3768965324.4/19

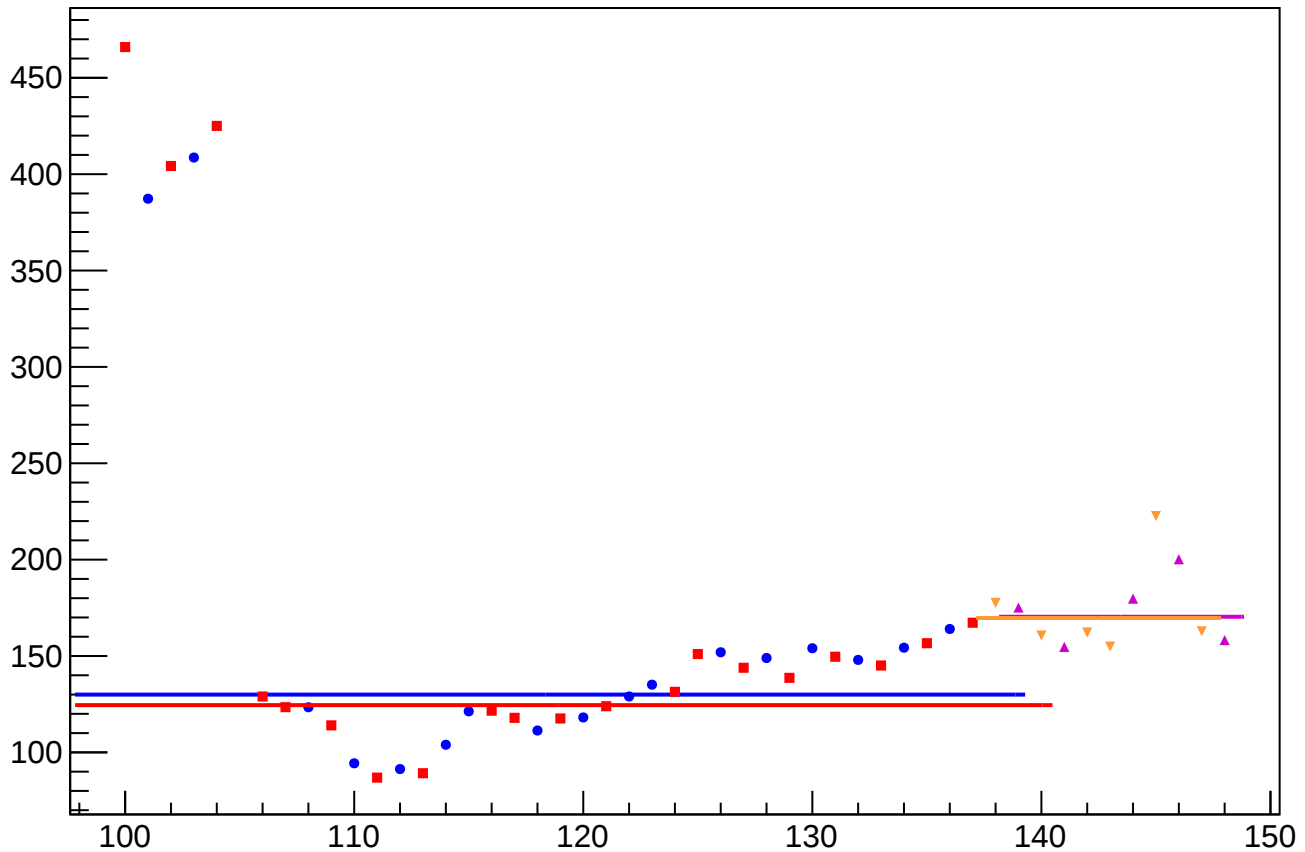
Left In: 129448.029 $\pm$ 0.086 χ^2/NDF : 26686820.0/4

128465.924 $\pm$ 0.046 χ^2/NDF : 4558156932.3/22

128384.260 $\pm$ 0.031 χ^2/NDF : 8596325379.0/21

128311.280 $\pm$ 0.043 χ^2/NDF : 4032147701.3/24

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 +/- 0.039 χ^2/NDF : 1485519.5/16

Left Out: 169.712 +/- 0.060 χ^2/NDF : 110789.0/5

Right Out: 124.514 +/- 0.035 χ^2/NDF : 1531546.7/19

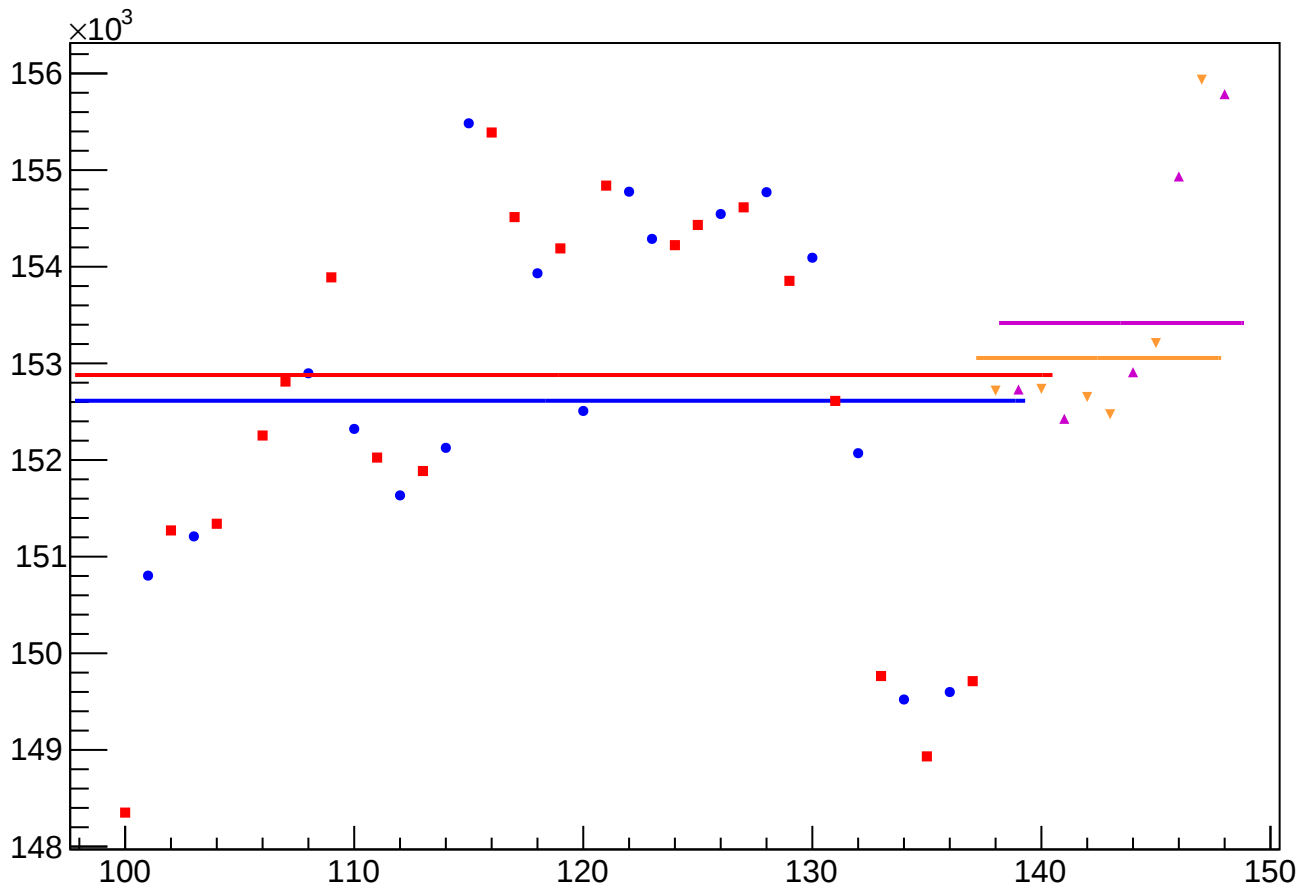
Left In: 170.374 +/- 0.061 χ^2/NDF : 66846.7/4

141.693 +/- 0.032 χ^2/NDF : 1909247.2/22

138.807 +/- 0.022 χ^2/NDF : 3949439.4/47

136.228 +/- 0.031 χ^2/NDF : 2025155.0/24

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 153055.977 $\pm$ 0.092 χ^2 /NDF: 110856735.0/5

Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

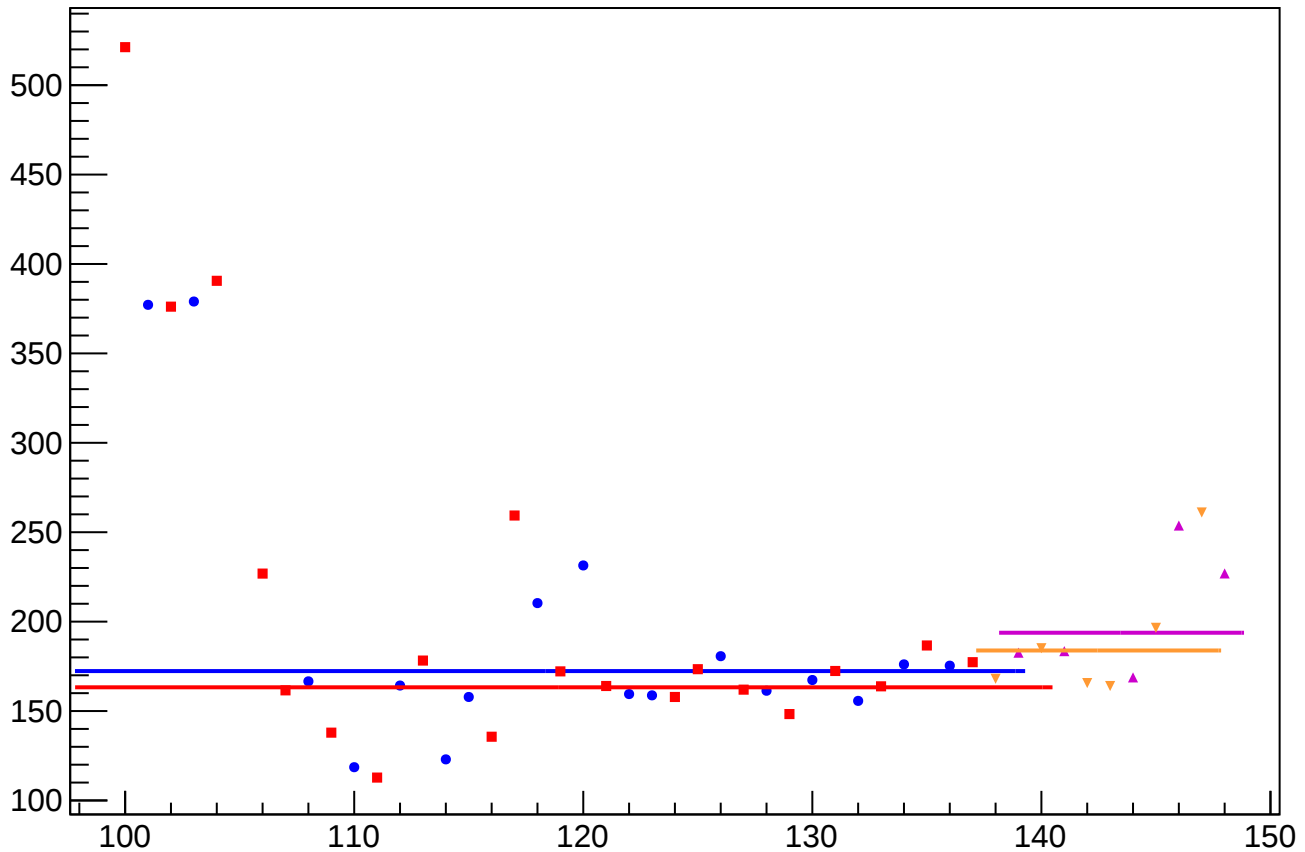
Left In: 153417.878 $\pm$ 0.098 χ^2 /NDF: 155690990.3/4

152781.621 $\pm$ 0.057 χ^2 /NDF: 748501371.3/22

152919.168 $\pm$ 0.039 χ^2 /NDF: 165404108

153047.125 $\pm$ 0.055 χ^2 /NDF: 894252206.6/24

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 183.866+/-0.065 χ^2/NDF : 184003.5/5

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

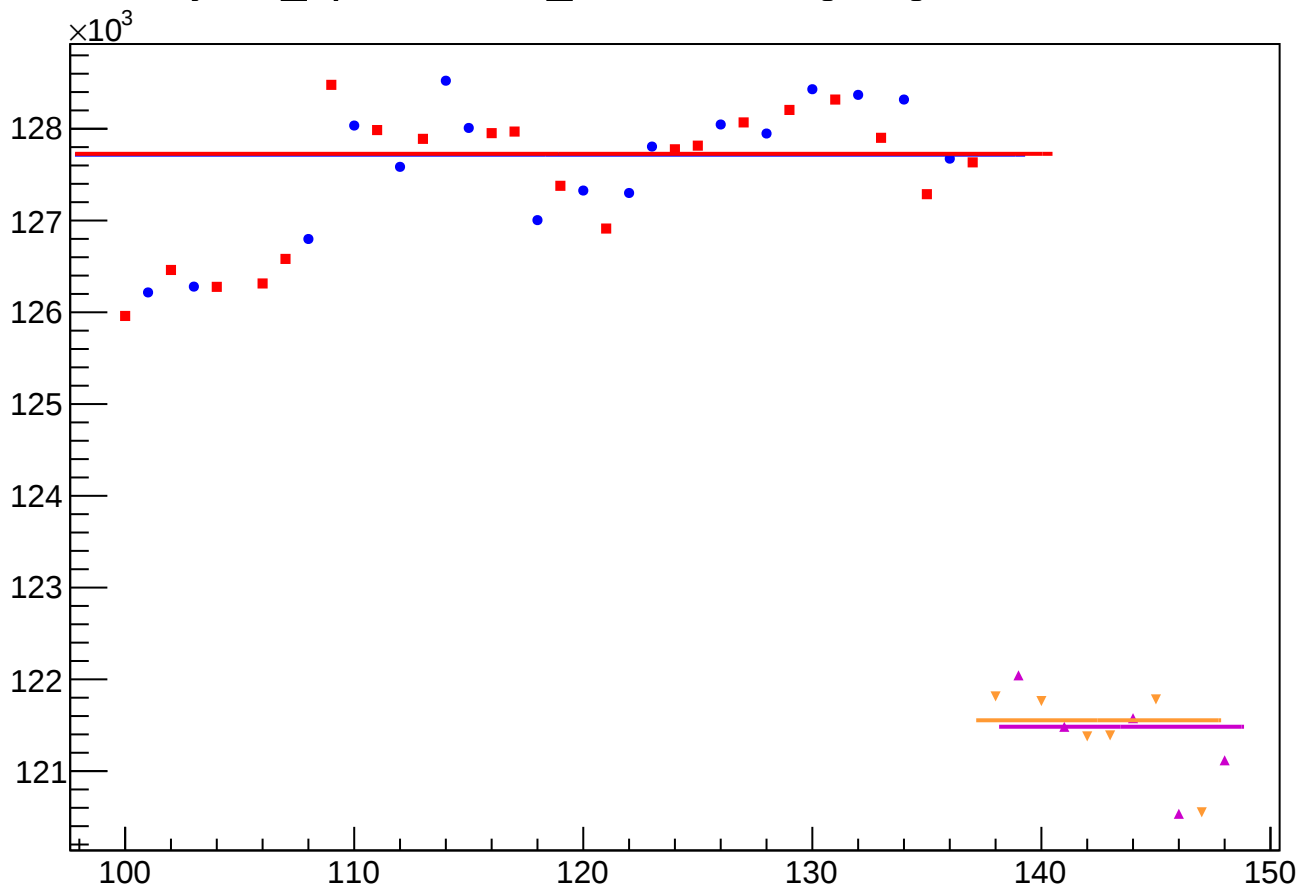
Left In: 193.787+/-0.070 χ^2/NDF : 168934.7/4

176.732+/-0.040 χ^2/NDF : 1125233.7/22

174.682+/-0.028 χ^2/NDF : 2475295.4/47

172.775+/-0.039 χ^2/NDF : 1345047.6/24

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 121553.773 $\pm$ 0.079 χ^2 /NDF: 18234515.9/5

Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

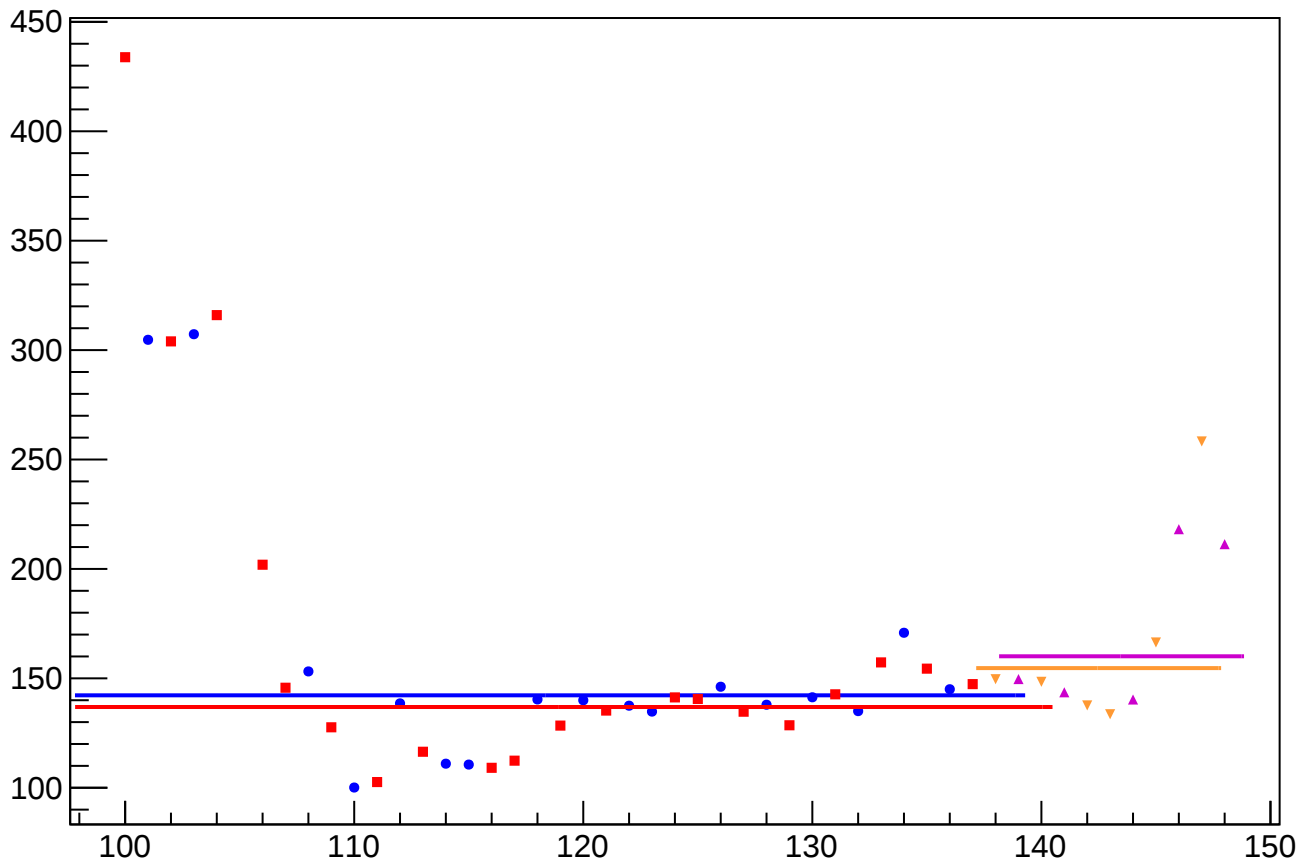
Left In: 121483.562 $\pm$ 0.082 χ^2 /NDF: 27349465.8/4

125534.412 $\pm$ 0.047 χ^2 /NDF: 4075393509.3/22

125686.715 $\pm$ 0.033 χ^2 /NDF: 826265882

125828.917 $\pm$ 0.045 χ^2 /NDF: 4166819007.1/24

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 +/- 0.041 χ^2/NDF : 836415.1/16

Left Out: 154.679 +/- 0.056 χ^2/NDF : 303822.5/5

Right Out: 136.904 +/- 0.038 χ^2/NDF : 961858.5/19

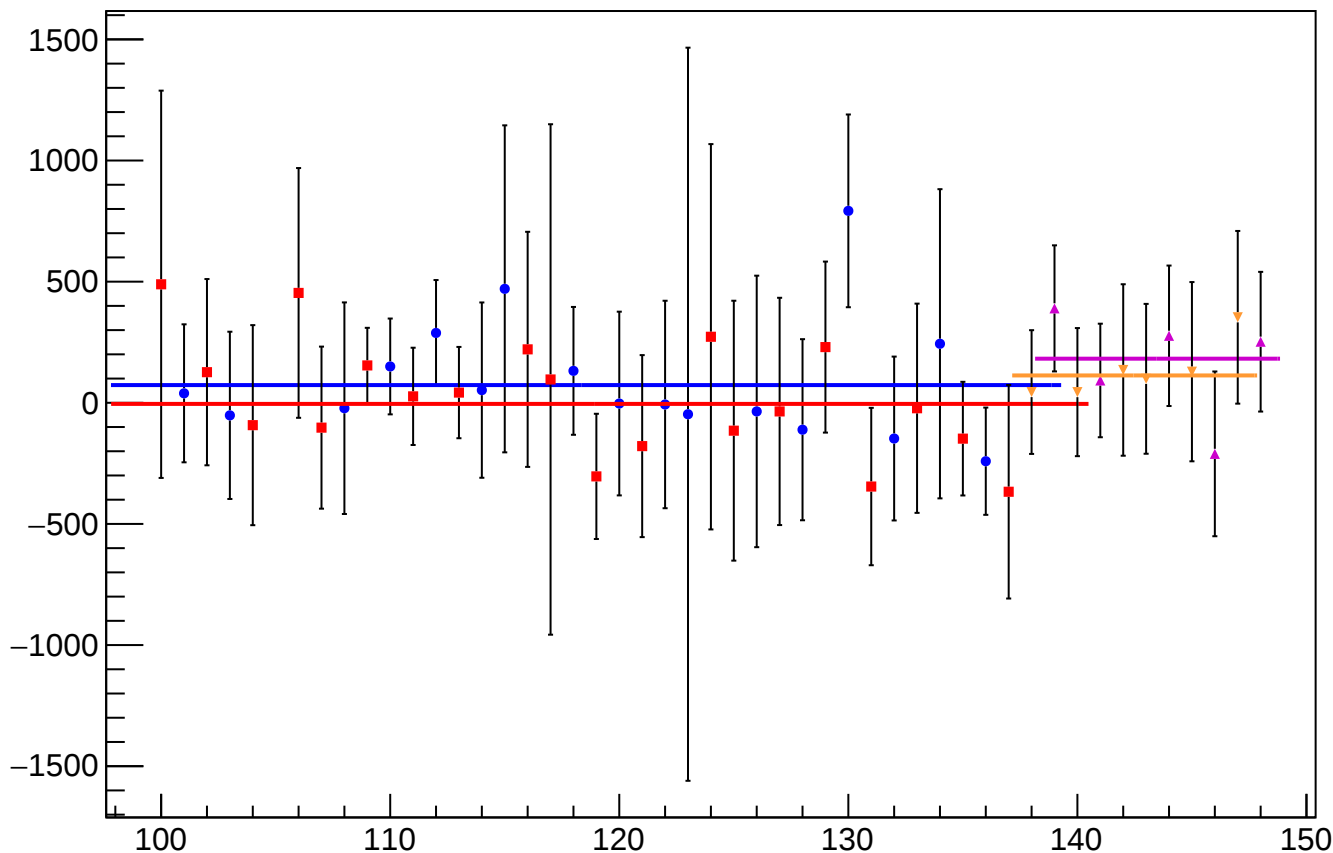
Left In: 160.079 +/- 0.058 χ^2/NDF : 262922.5/4

146.646 +/- 0.033 χ^2/NDF : 1172505.3/22

145.251 +/- 0.023 χ^2/NDF : 2511683.9/47

143.949 +/- 0.032 χ^2/NDF : 1335748.4/24

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109 $\pm$ 79.604 χ^2/NDF : 7.9/16

Left Out: 112.910 $\pm$ 125.726 χ^2/NDF : 0.6/5

Right Out: -4.574 $\pm$ 69.944 χ^2/NDF : 7.1/19

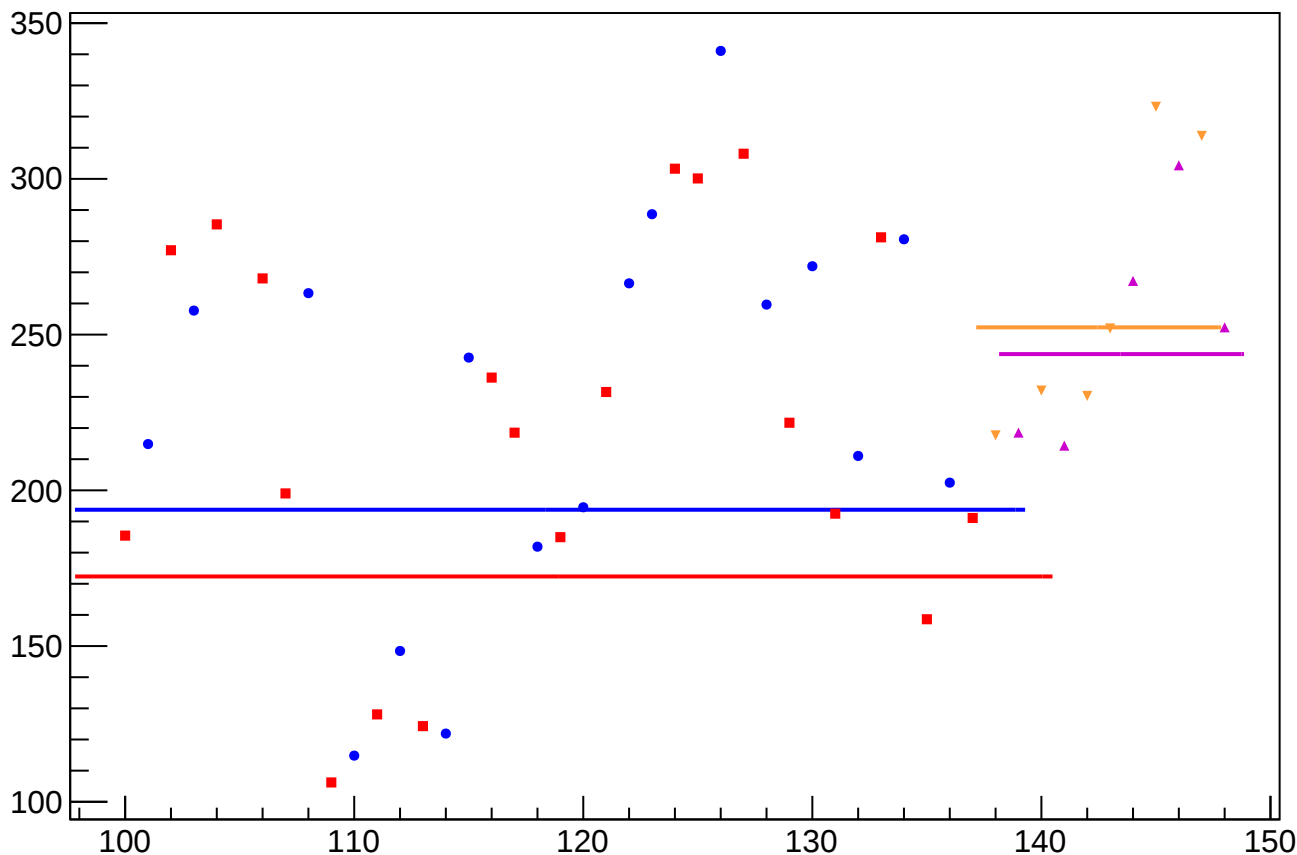
Left In: 182.066 $\pm$ 123.508 χ^2/NDF : 2.3/4

84.499 $\pm$ 67.256 χ^2/NDF : 8.5/22

60.445 $\pm$ 45.128 χ^2/NDF : 19.9/47

40.748 $\pm$ 60.862 χ^2/NDF : 11.1/24

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 252.328 $\pm$ 0.089 χ^2 /NDF:189237.3/5

Right Out: 172.346 $\pm$ 0.049 χ^2 /NDF: 1583893.0/19

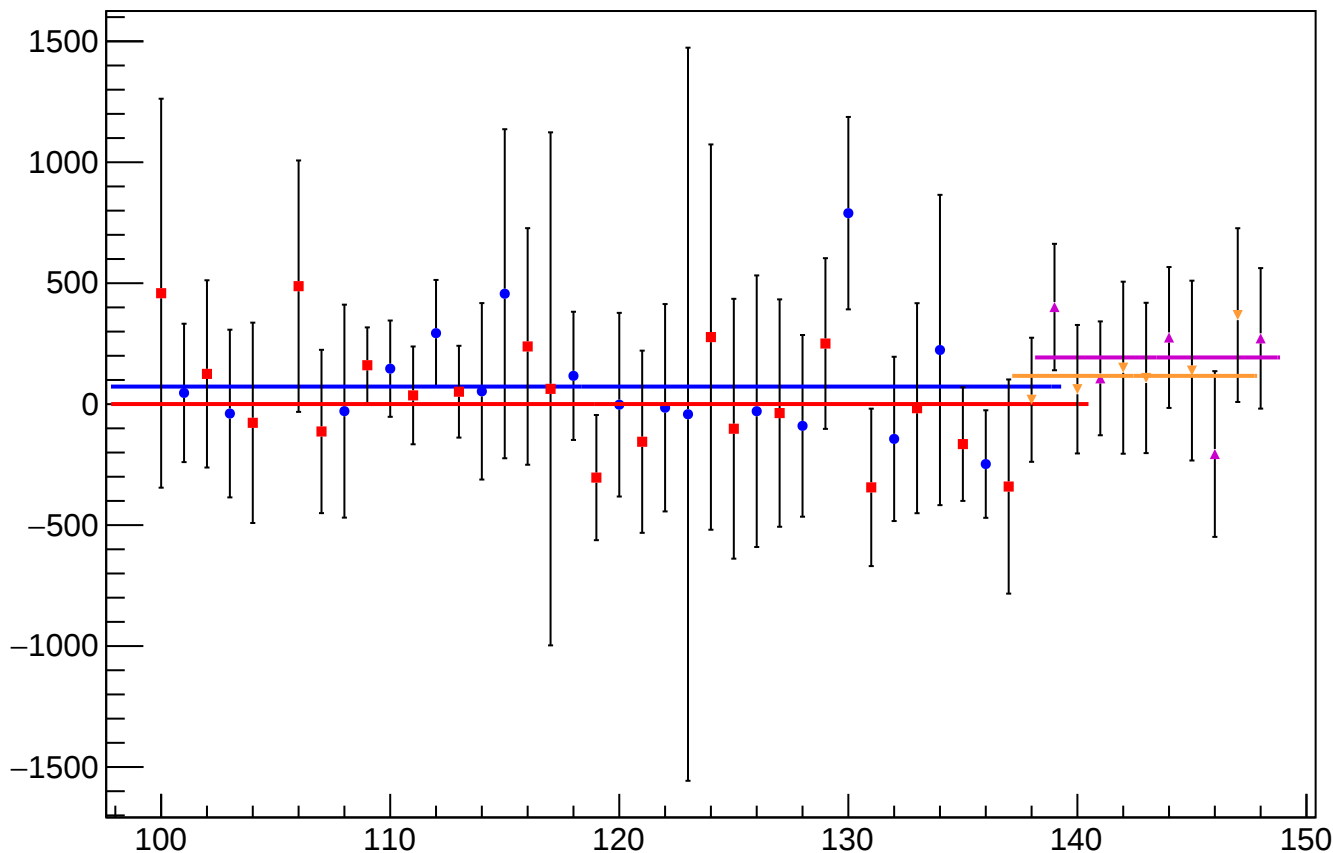
Left In: 243.745 $\pm$ 0.087 χ^2 /NDF:128708.3/4

210.529 $\pm$ 0.048 χ^2 /NDF: 1515996.8/22

199.069 $\pm$ 0.032 χ^2 /NDF: 3840292.6/47

189.684 $\pm$ 0.043 χ^2 /NDF: 2218672.3/24

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 116.967+/-126.350 χ^2/NDF : 0.7/5

Right Out: 0.459+/-70.312 χ^2/NDF : 7.3/19

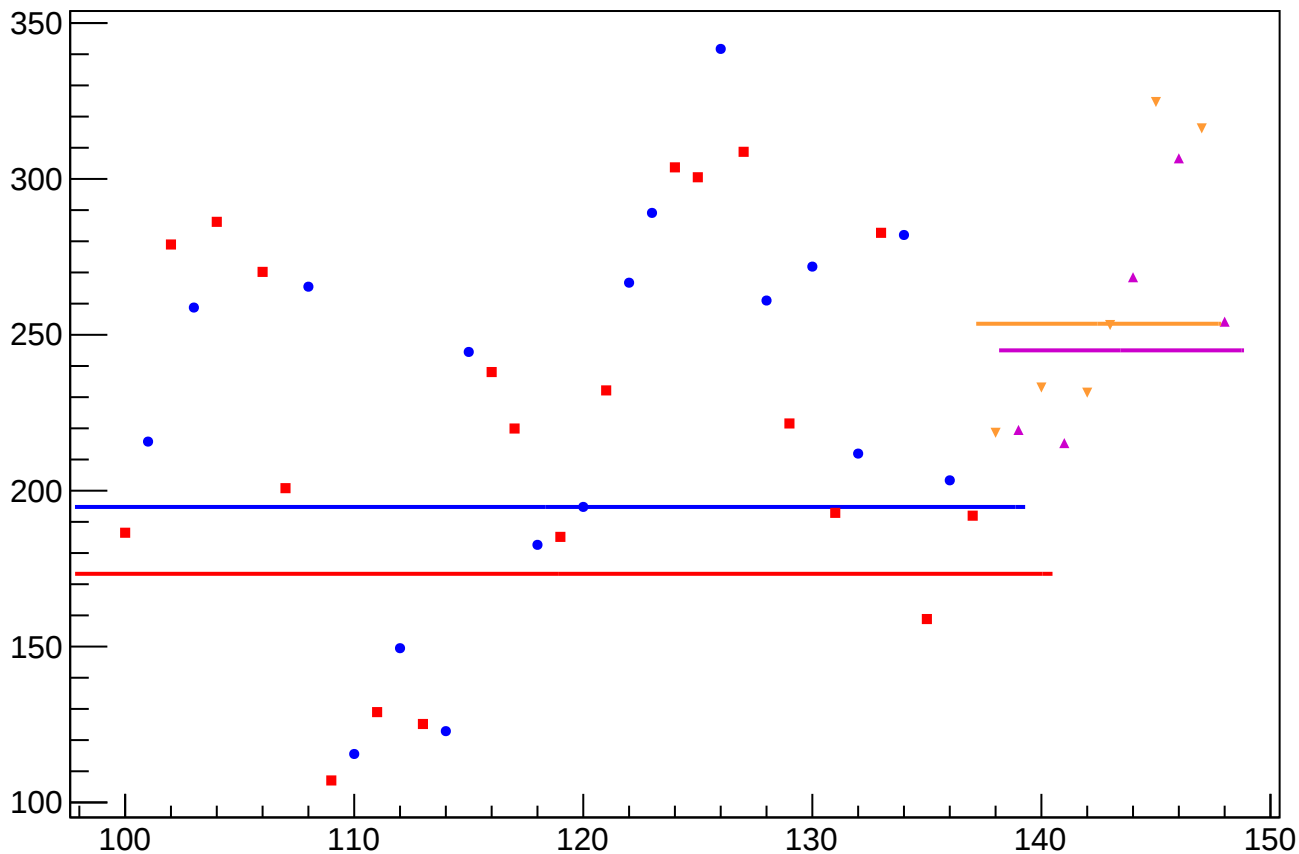
Left In: 193.091+/-124.170 χ^2/NDF : 2.3/4

85.348+/-67.586 χ^2/NDF : 8.5/22

64.398+/-45.358 χ^2/NDF : 20.1/47

47.228+/-61.183 χ^2/NDF : 11.4/24

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2/NDF : 1008292.8/16

Left Out: 253.550 $\pm$ 0.089 χ^2/NDF :190943.3/5

Right Out: 173.337 $\pm$ 0.050 χ^2/NDF : 1571436.7/19

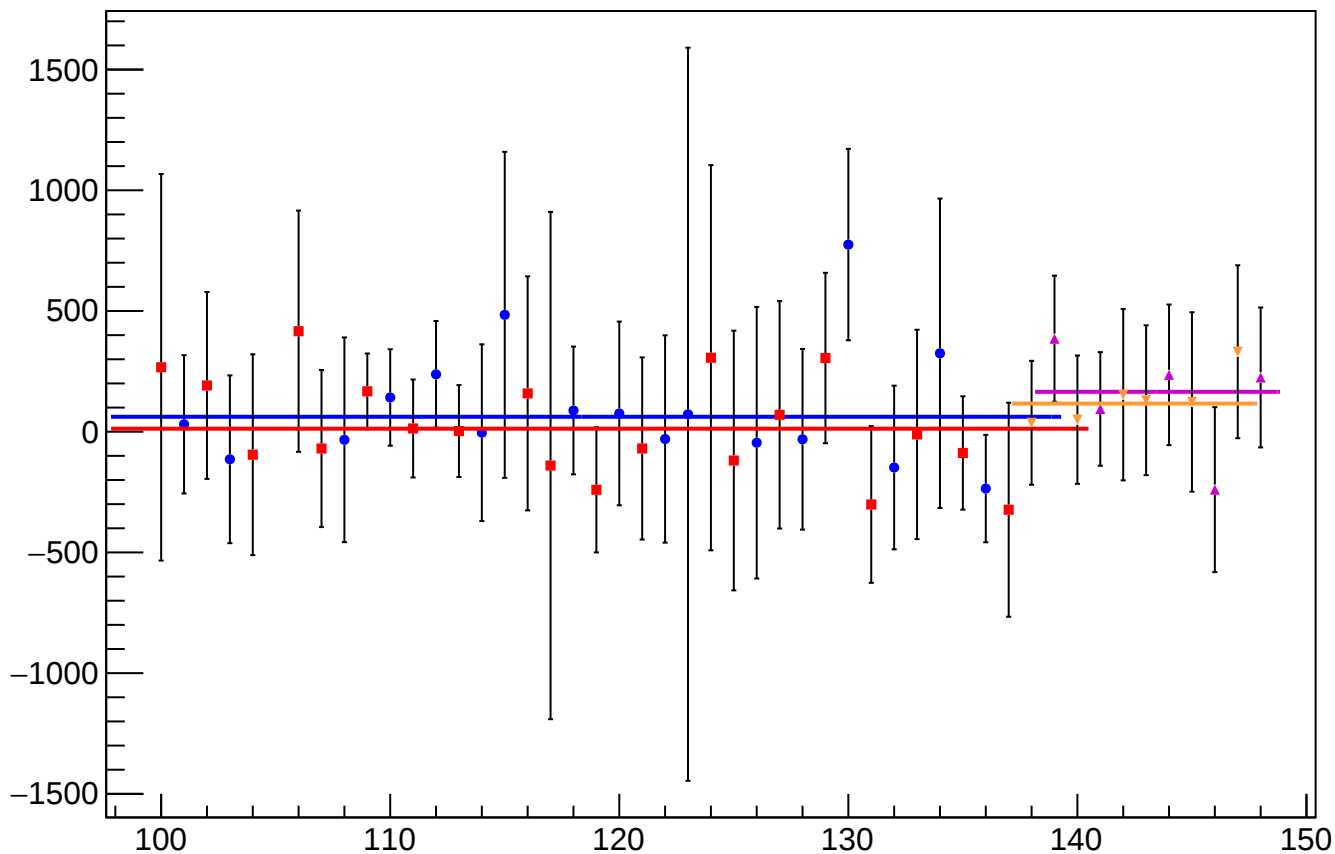
Left In: 245.014 $\pm$ 0.088 χ^2/NDF :130684.1/4

211.597 $\pm$ 0.048 χ^2/NDF : 1508107.2/22

200.134 $\pm$ 0.032 χ^2/NDF : 3819542.4/47

190.740 $\pm$ 0.043 χ^2/NDF : 2206748.6/24

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 116.627+/-126.287 χ^2/NDF : 0.5/5

Right Out: 12.417+/-70.233 χ^2/NDF : 5.8/19

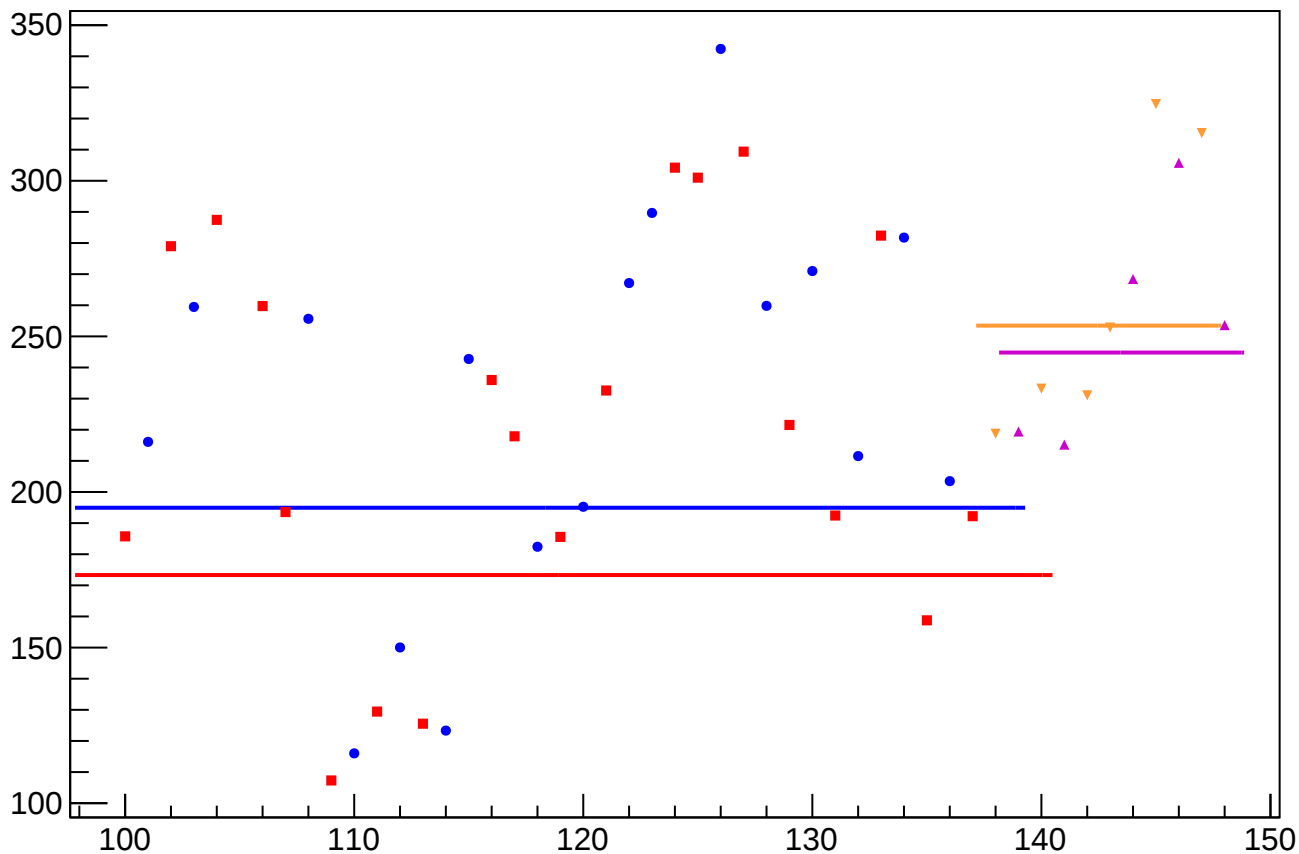
Left In: 165.337+/-124.048 χ^2/NDF : 2.3/4

77.507+/-67.573 χ^2/NDF : 7.9/22

62.122+/-45.327 χ^2/NDF : 17.3/47

49.537+/-61.117 χ^2/NDF : 9.2/24

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 ± 0.057 χ^2/NDF : 986629.1/16

Left Out: 253.454 ± 0.089 χ^2/NDF : 189329.0/5

Right Out: 173.309 ± 0.050 χ^2/NDF : 1548342.3/19

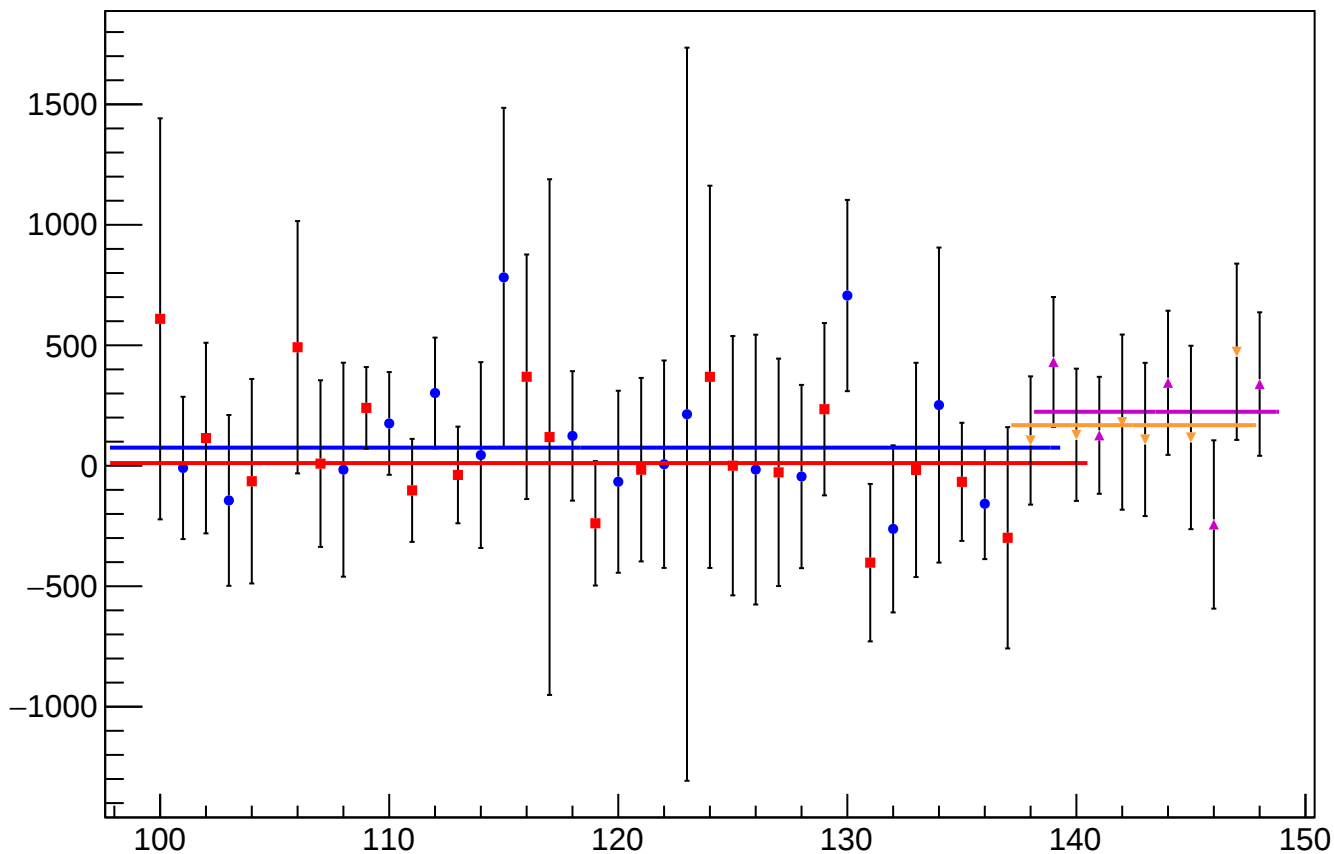
Left In: 244.807 ± 0.088 χ^2/NDF : 129226.0/4

211.692 ± 0.048 χ^2/NDF : 1482403.7/22

200.126 ± 0.032 χ^2/NDF : 3769626.9/47

190.665 ± 0.043 χ^2/NDF : 2180703.8/24

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 168.599 $\pm$ 129.951 χ^2 /NDF:0.8/5

Right Out: 11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

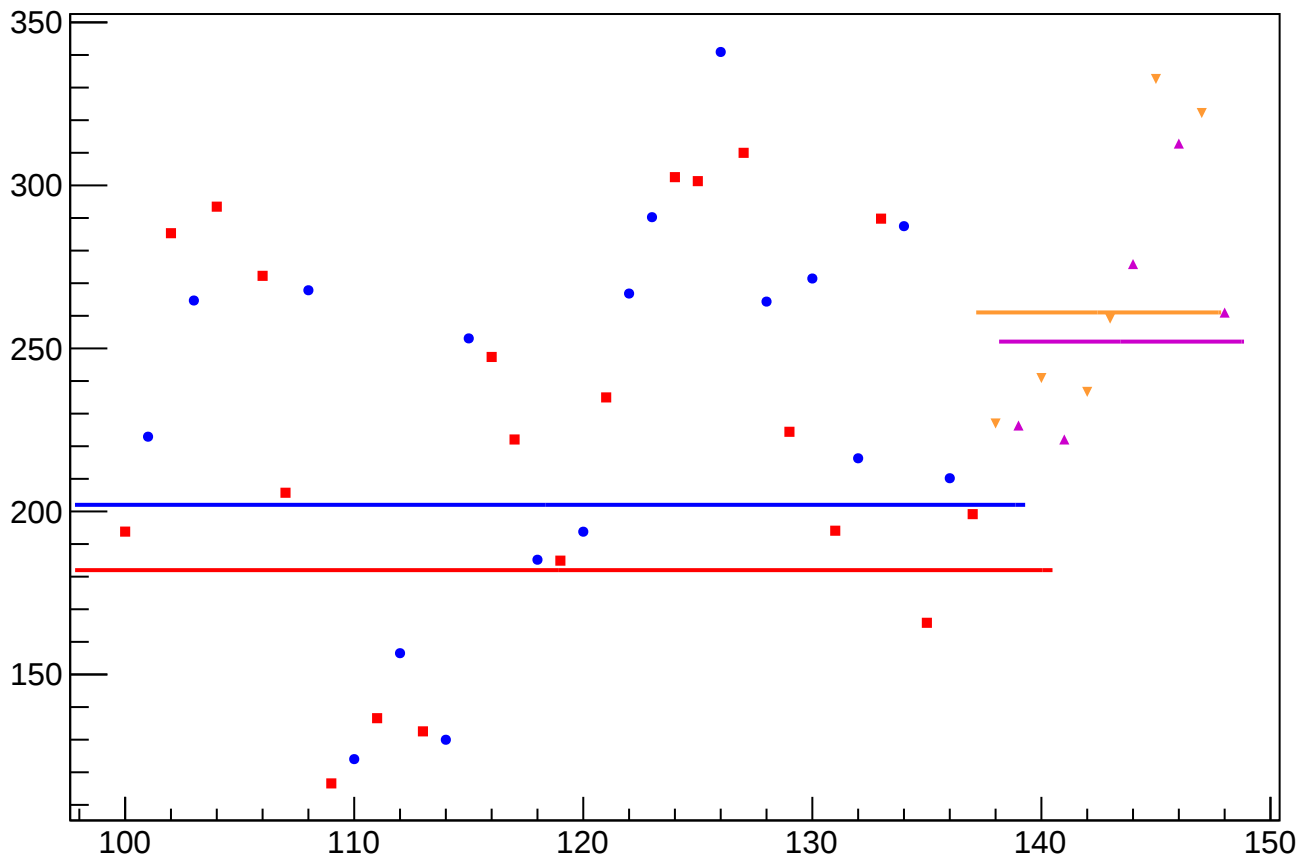
Left In: 224.109 $\pm$ 127.621 χ^2 /NDF:2.9/4

102.037 $\pm$ 69.652 χ^2 /NDF: 8.8/22

81.177 $\pm$ 46.916 χ^2 /NDF: 21.8/47

63.853 $\pm$ 63.474 χ^2 /NDF: 12.8/24

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2/NDF : 881608.7/16

Left Out: 261.036 $\pm$ 0.092 χ^2/NDF : 179204.6/5

Right Out: 182.000 $\pm$ 0.052 χ^2/NDF : 1380354.3/19

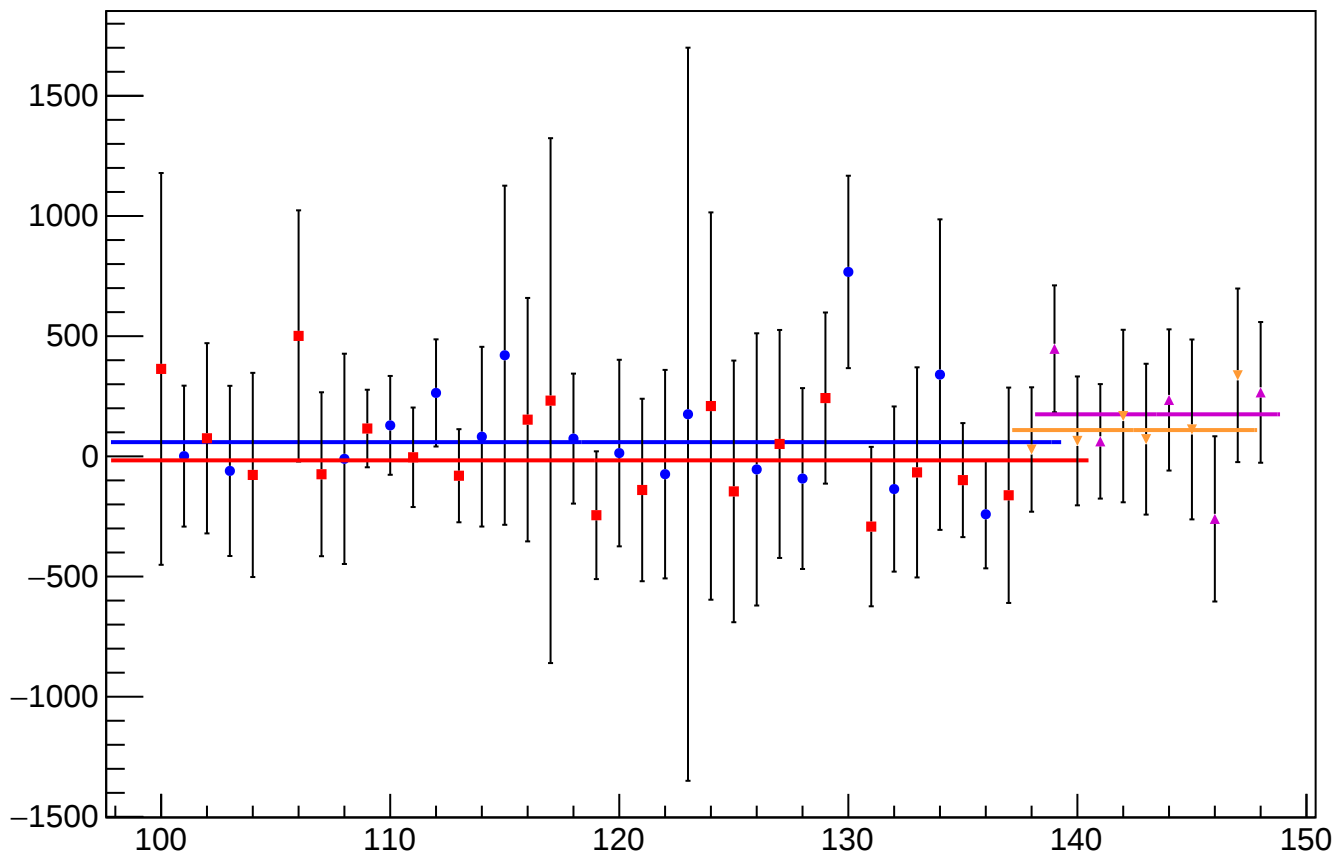
Left In: 252.090 $\pm$ 0.090 χ^2/NDF : 123733.5/4

218.981 $\pm$ 0.049 χ^2/NDF : 1354710.9/22

208.250 $\pm$ 0.033 χ^2/NDF : 3399727.5/47

199.338 $\pm$ 0.045 χ^2/NDF : 1958121.0/24

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 109.380 $\pm$ 127.444 χ^2 /NDF: 0.6/5

Right Out: -16.650 $\pm$ 71.745 χ^2 /NDF: 4.7/19

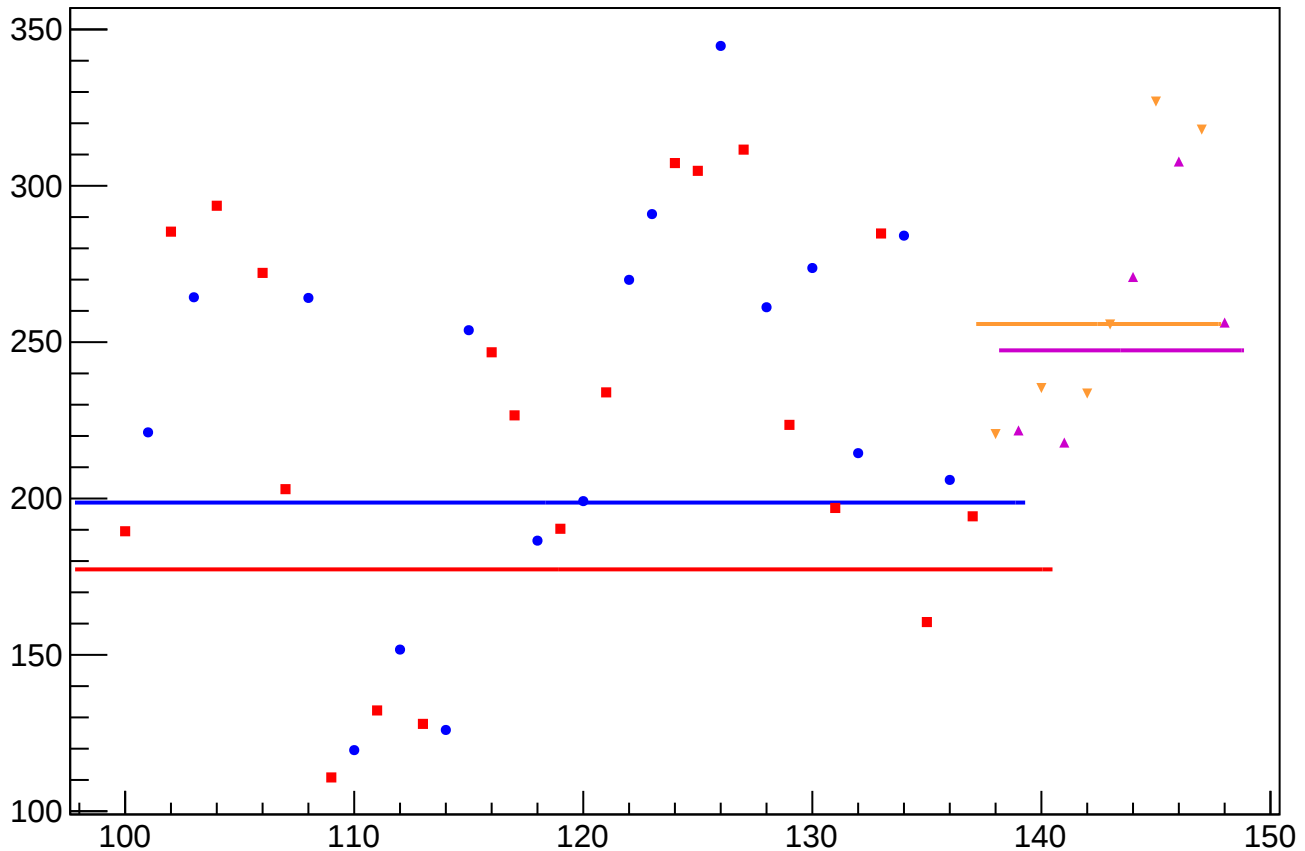
Left In: 174.941 $\pm$ 125.303 χ^2 /NDF: 3.0/4

73.726 $\pm$ 68.611 χ^2 /NDF: 7.8/22

50.104 $\pm$ 46.107 χ^2 /NDF: 17.5/47

30.653 $\pm$ 62.261 χ^2 /NDF: 9.5/24

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 255.808 $\pm$ 0.090 χ^2 /NDF: 187874.0/5

Right Out: 177.338 $\pm$ 0.051 χ^2 /NDF: 1528976.8/19

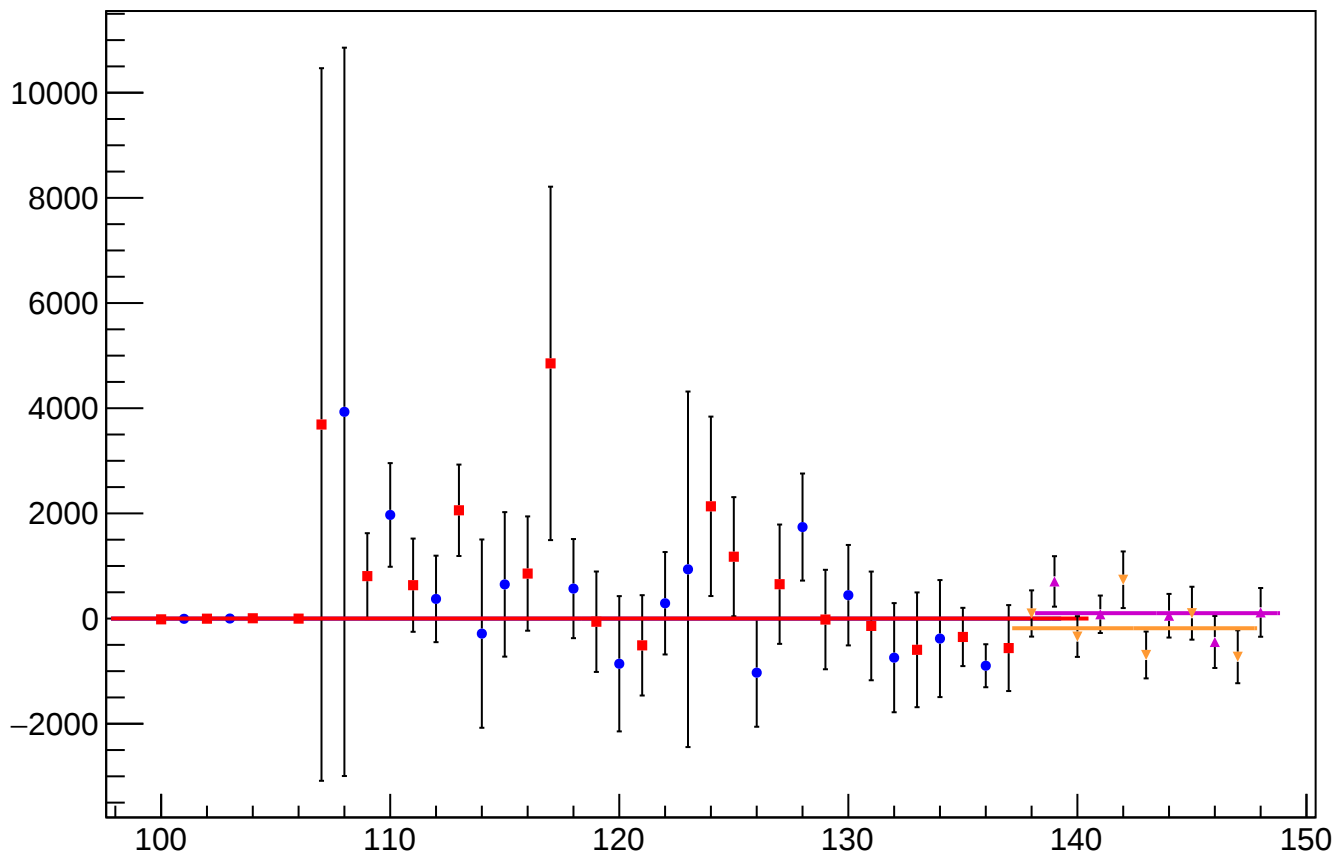
Left In: 247.378 $\pm$ 0.089 χ^2 /NDF: 125783.3/4

215.254 $\pm$ 0.049 χ^2 /NDF: 1436429.6/22

203.944 $\pm$ 0.033 χ^2 /NDF: 3660888.5/47

194.631 $\pm$ 0.044 χ^2 /NDF: 2125358.2/24

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 $\pm$ 2.251 χ^2/NDF : 16.6/16

Left Out: -183.893 $\pm$ 188.136 χ^2/NDF : 6.3/5

Right Out: 0.733 $\pm$ 2.111 χ^2/NDF : 20.5/19

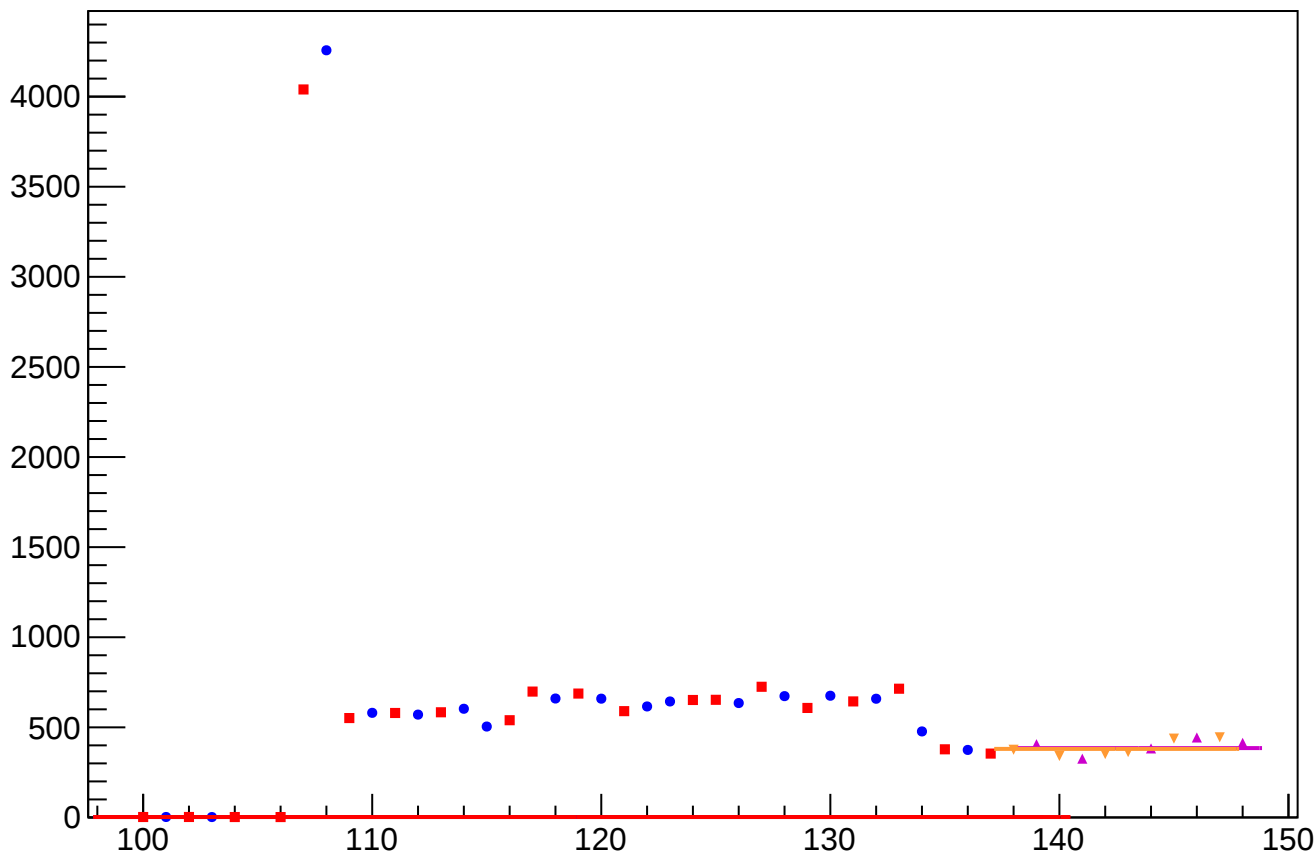
Left In: 102.721 $\pm$ 193.245 χ^2/NDF : 2.8/4

-1.555 $\pm$ 2.251 χ^2/NDF : 23.9/22

-0.331 $\pm$ 1.540 χ^2/NDF : 48.0/47

0.746 $\pm$ 2.111 χ^2/NDF : 23.6/24

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 380.471+/-0.133 χ^2/NDF :88220.0/5

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

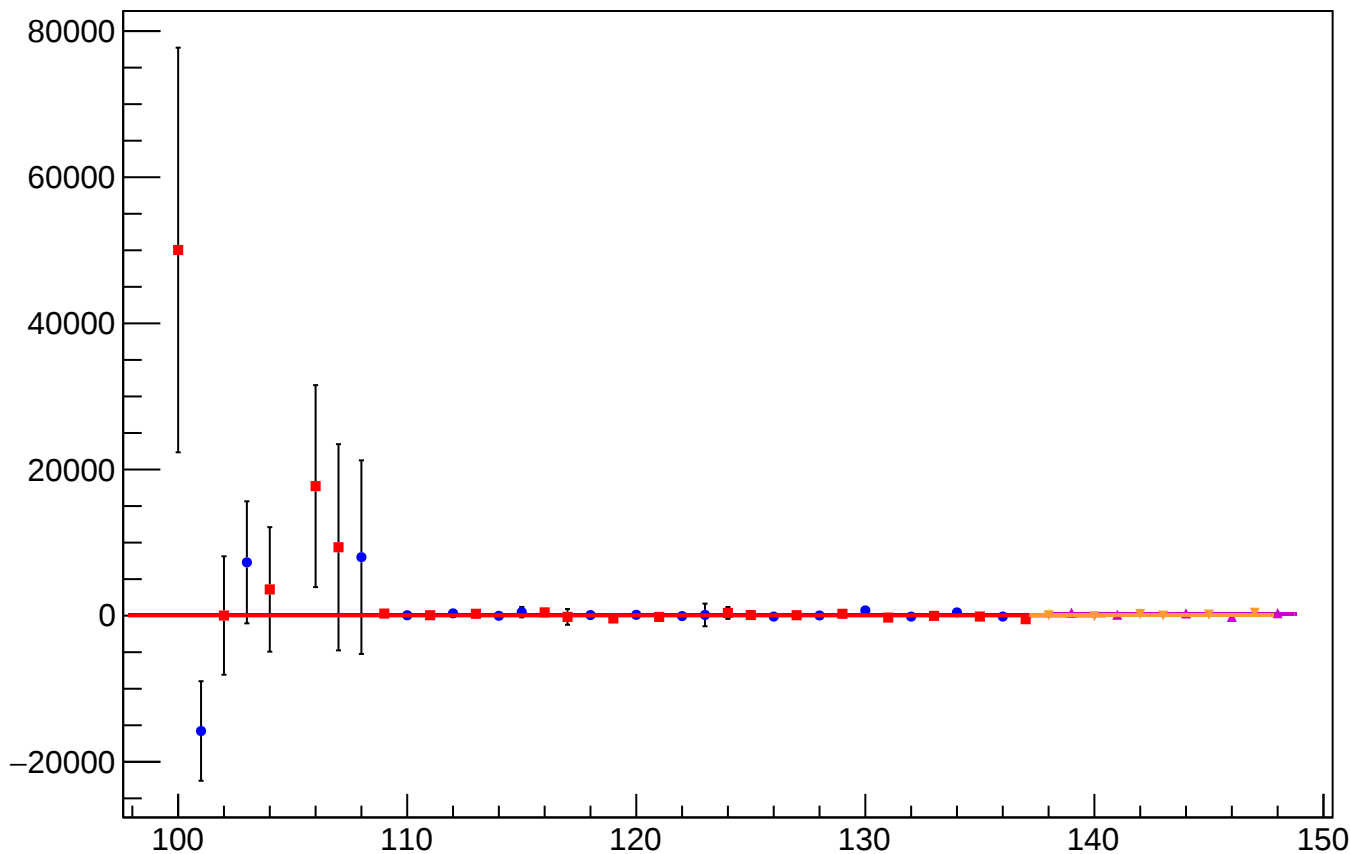
Left In: 384.874+/-0.137 χ^2/NDF :94720.8/4

2.510 $\pm$ 0.002 χ^2 /NDF: 18867731.5/22

2.496+/-0.001 χ^2/NDF : 38020822.5/47

2.483+/-0.001 χ^2/NDF : 19152930.1/24

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 87.057+/-132.416 χ^2/NDF : 1.3/5

Right Out: 41.335+/-84.288 χ^2/NDF : 14.0/19

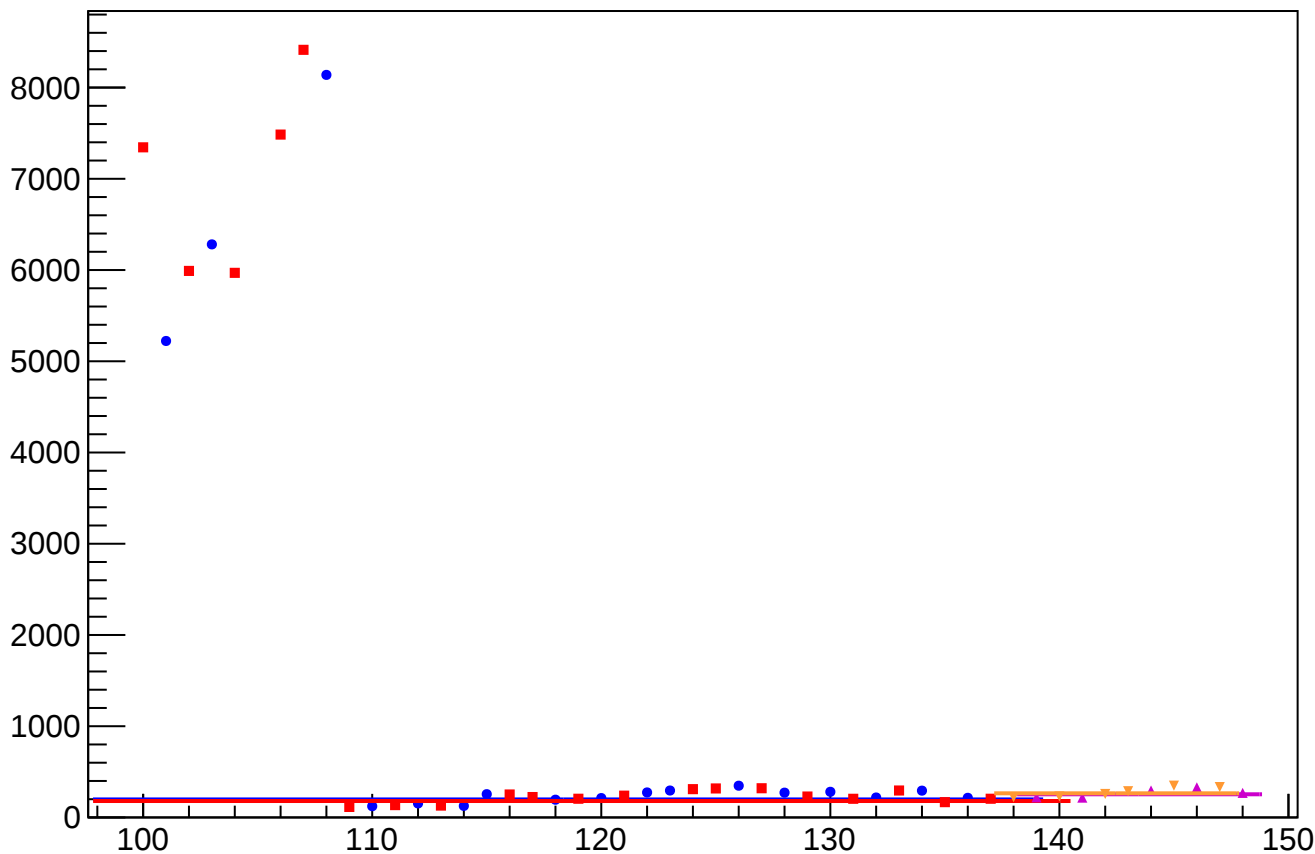
Left In: 227.653+/-129.310 χ^2/NDF : 2.1/4

92.664+/-75.392 χ^2/NDF : 13.3/22

94.916+/-51.537 χ^2/NDF : 30.9/47

96.892+/-70.611 χ^2/NDF : 17.6/24

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 264.529+/-0.094 χ^2/NDF : 254510.9/5

Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

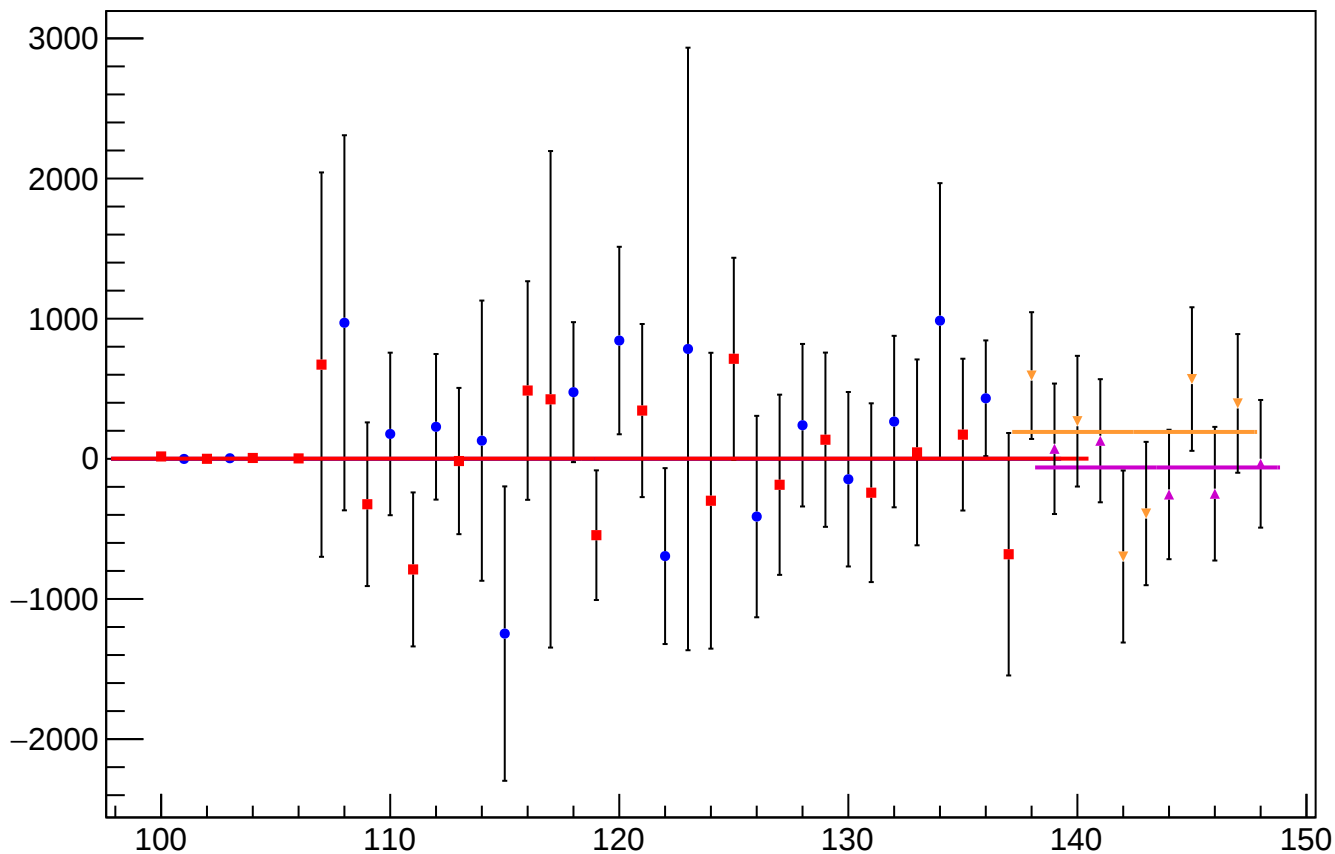
Left In: 253.942+/-0.091 χ^2/NDF : 204584.9/4

219.176+/-0.053 χ^2/NDF : 4297509.7/22

210.145+/-0.036 χ^2/NDF : 9336489.6/47

202.224+/-0.050 χ^2/NDF : 4985116.8/24

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 191.850 ± 204.709 χ^2/NDF : 4.9/5

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.6/19

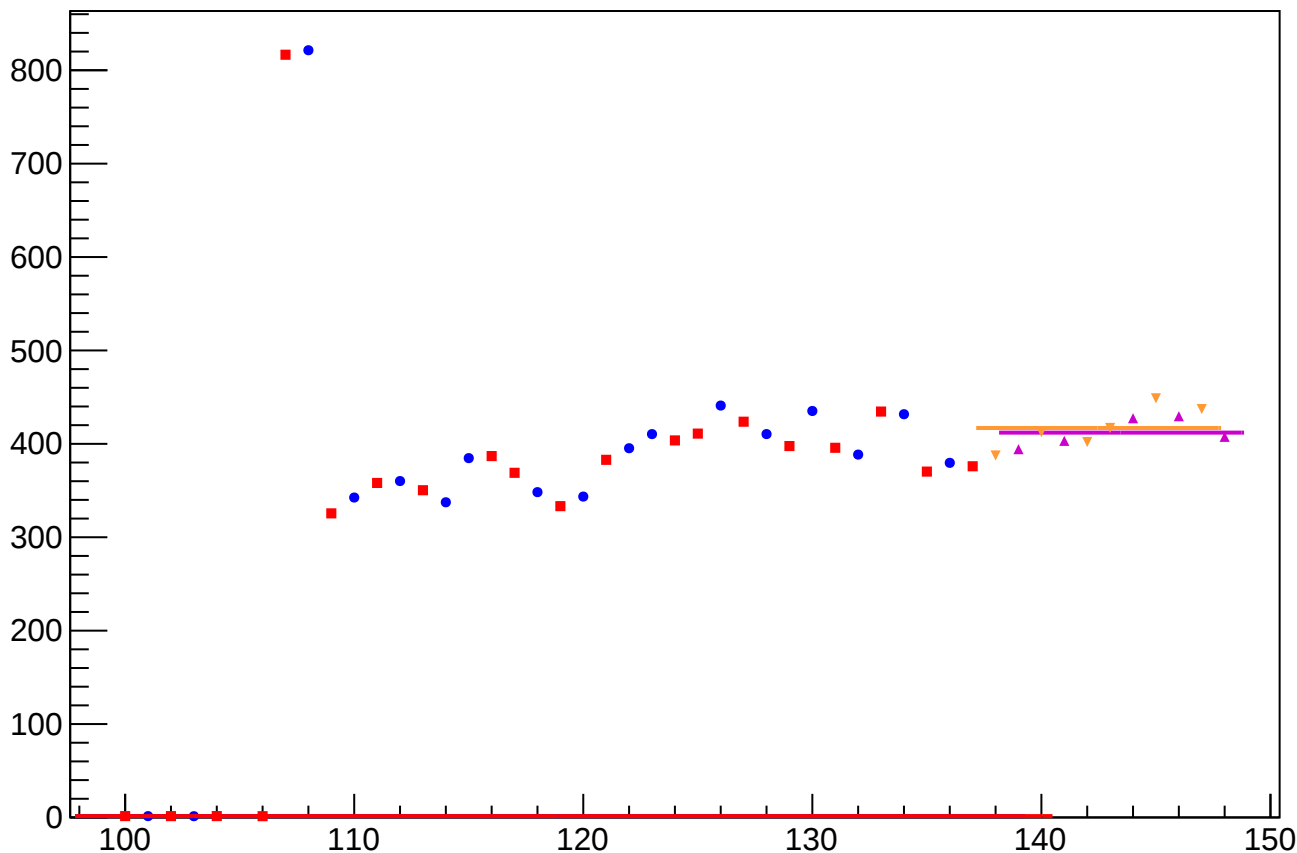
Left In: -61.600 ± 205.387 χ^2/NDF : 0.6/4

-0.125 ± 1.737 χ^2/NDF : 15.6/22

0.646 ± 1.186 χ^2/NDF : 26.2/47

1.320 ± 1.623 χ^2/NDF : 10.3/24

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 ± 0.001 $\chi^2/\text{NDF}: 10815892.9/16$

Left Out: 416.976 ± 0.145 $\chi^2/\text{NDF}: 20902.4/5$

Right Out: 1.451 ± 0.001 $\chi^2/\text{NDF}: 10959647.1/19$

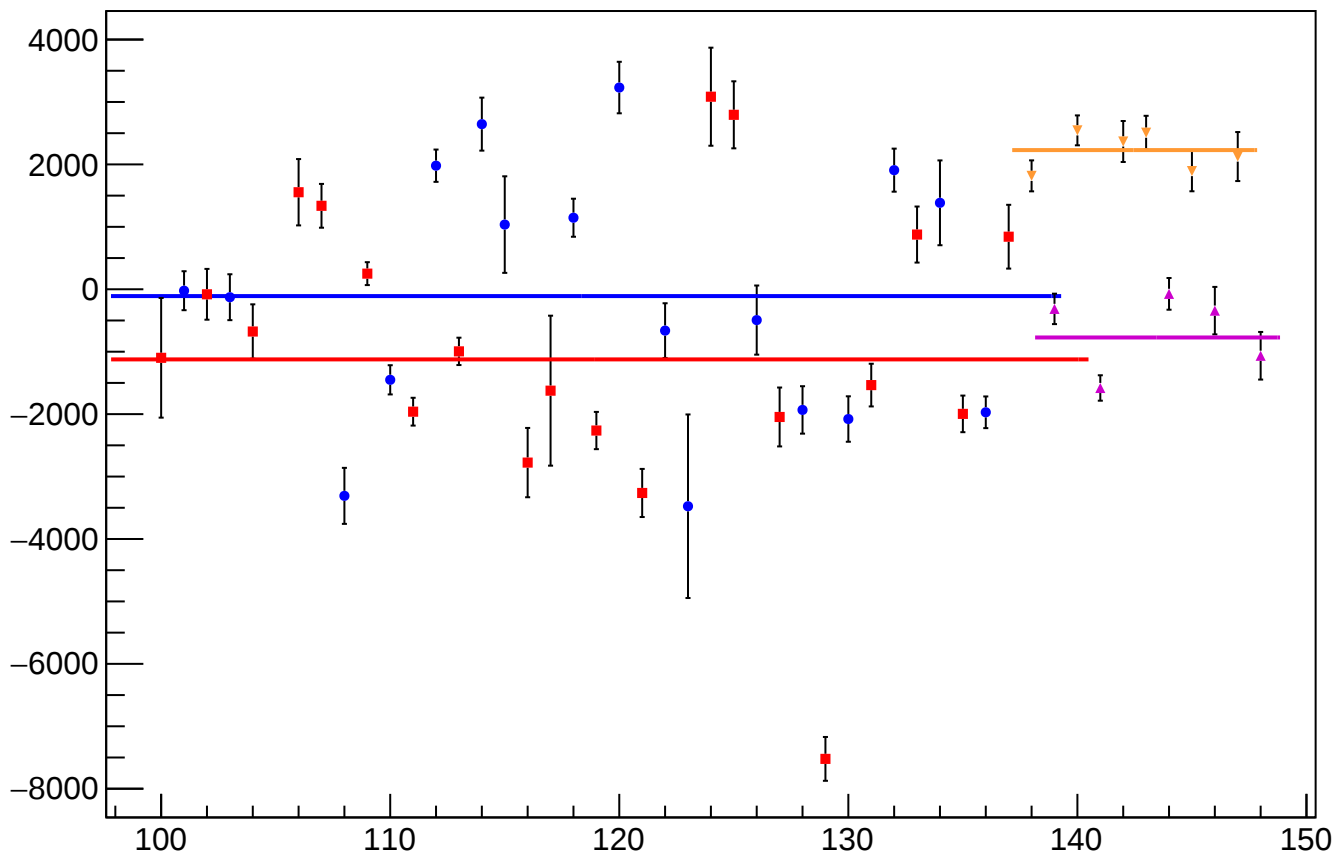
Left In: 412.024 ± 0.145 $\chi^2/\text{NDF}: 8831.3/4$

1.482 ± 0.001 $\chi^2/\text{NDF}: 19076603.0/22$

1.479 ± 0.001 $\chi^2/\text{NDF}: 38036785.5/47$

1.477 ± 0.001 $\chi^2/\text{NDF}: 18960173.0/24$

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 2229.303+/-117.317 χ^2/NDF : 6.9/5

Right Out: -1123.337+/-78.230 χ^2/NDF : 670.2/19

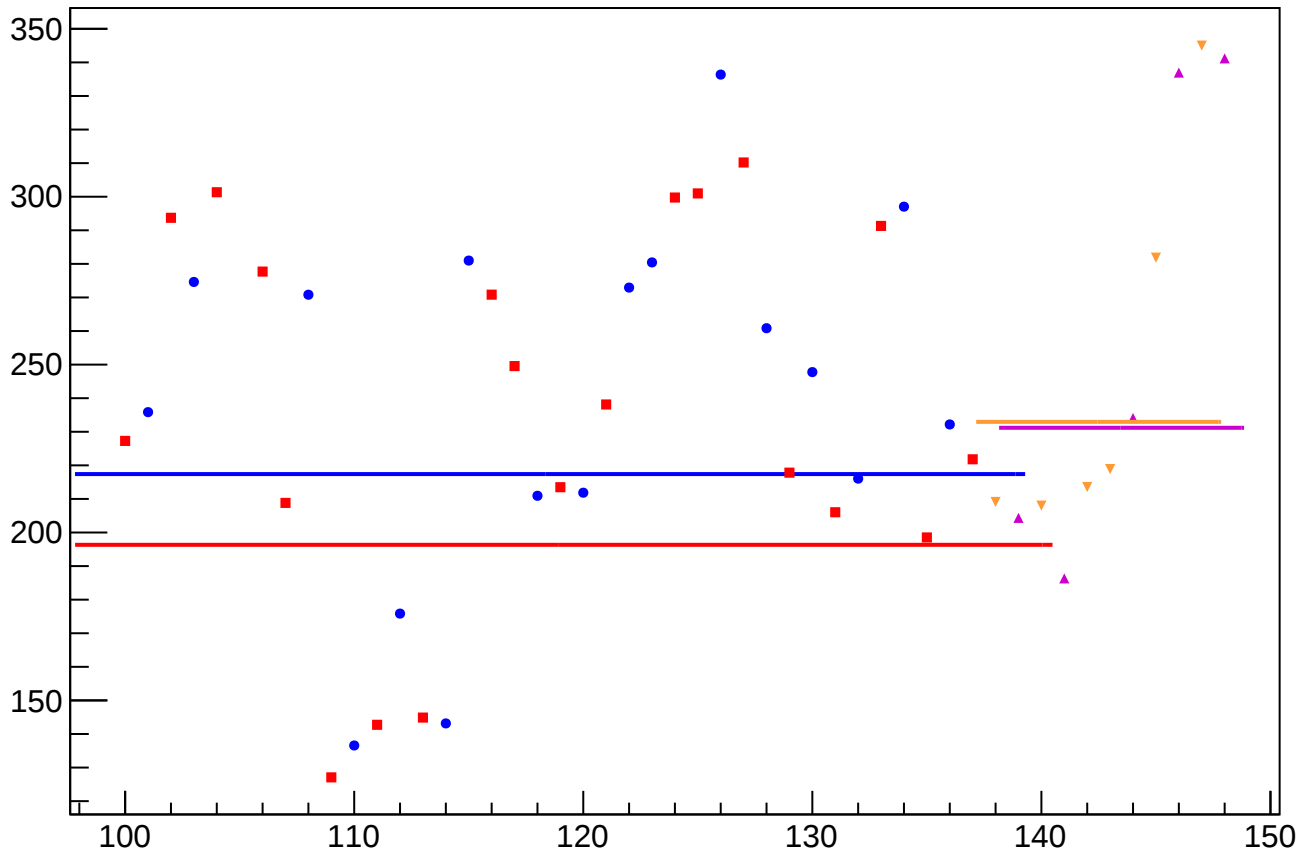
Left In: -772.223+/-119.328 χ^2/NDF : 28.7/4

732.321+/-70.377 χ^2/NDF : 689.6/22

-206.483+/-47.917 χ^2/NDF : 1726.4/47

-1017.793+/-65.424 χ^2/NDF : 705.0/24

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 232.955+/-0.083 χ^2/NDF : 261182.7/5

Right Out: 196.339+/-0.055 χ^2/NDF : 1194805.7/19

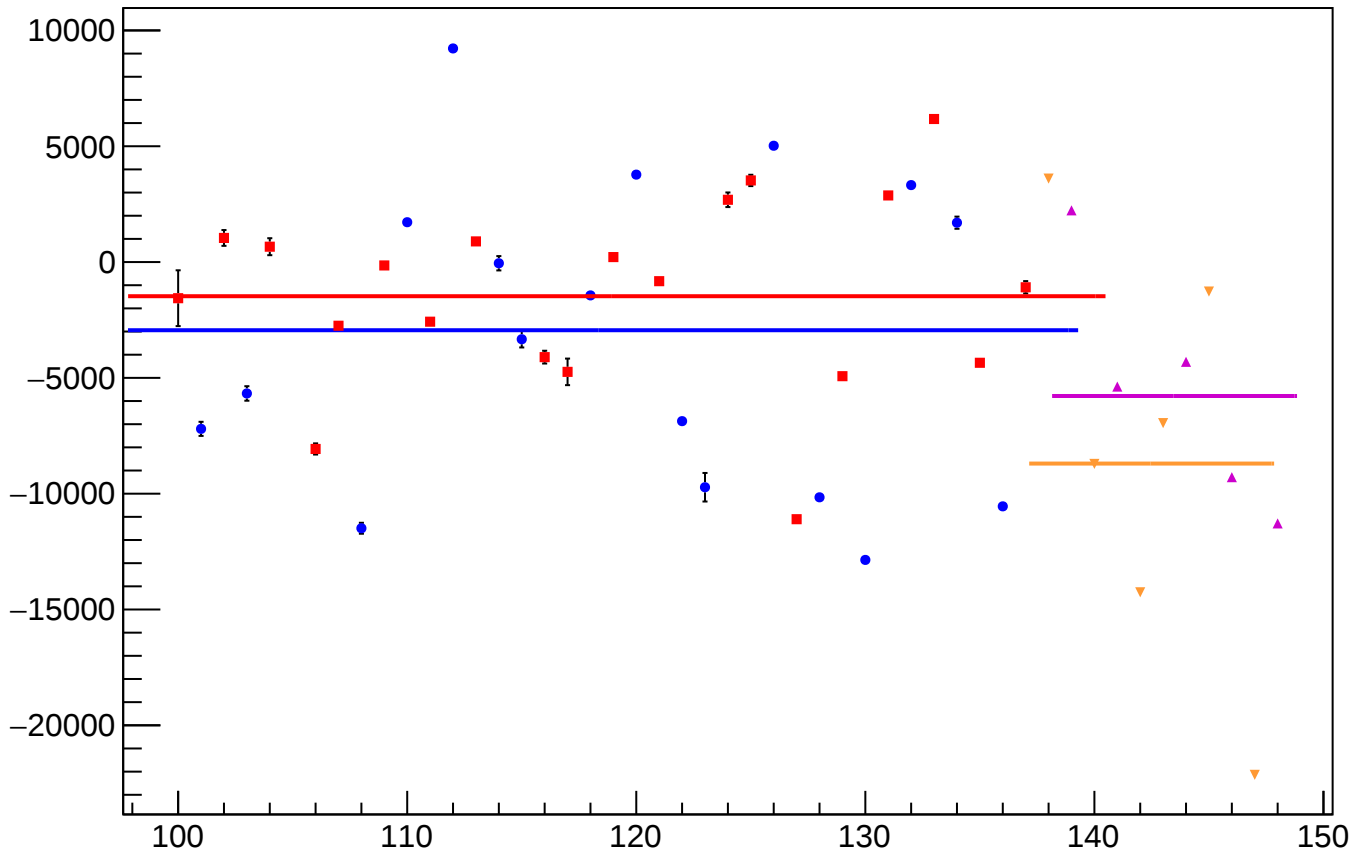
Left In: 231.189+/-0.084 χ^2/NDF : 442659.9/4

222.999+/-0.050 χ^2/NDF : 936315.4/22

214.318+/-0.034 χ^2/NDF : 2749835.2/47

206.815+/-0.046 χ^2/NDF : 1756779.9/24

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123 $\pm$ 48.612 χ^2/NDF : 20909.8/16

Left Out: -8699.787 $\pm$ 58.136 χ^2/NDF : 21957.3/5

Right Out: -1474.497 $\pm$ 46.252 χ^2/NDF : 8028.6/19

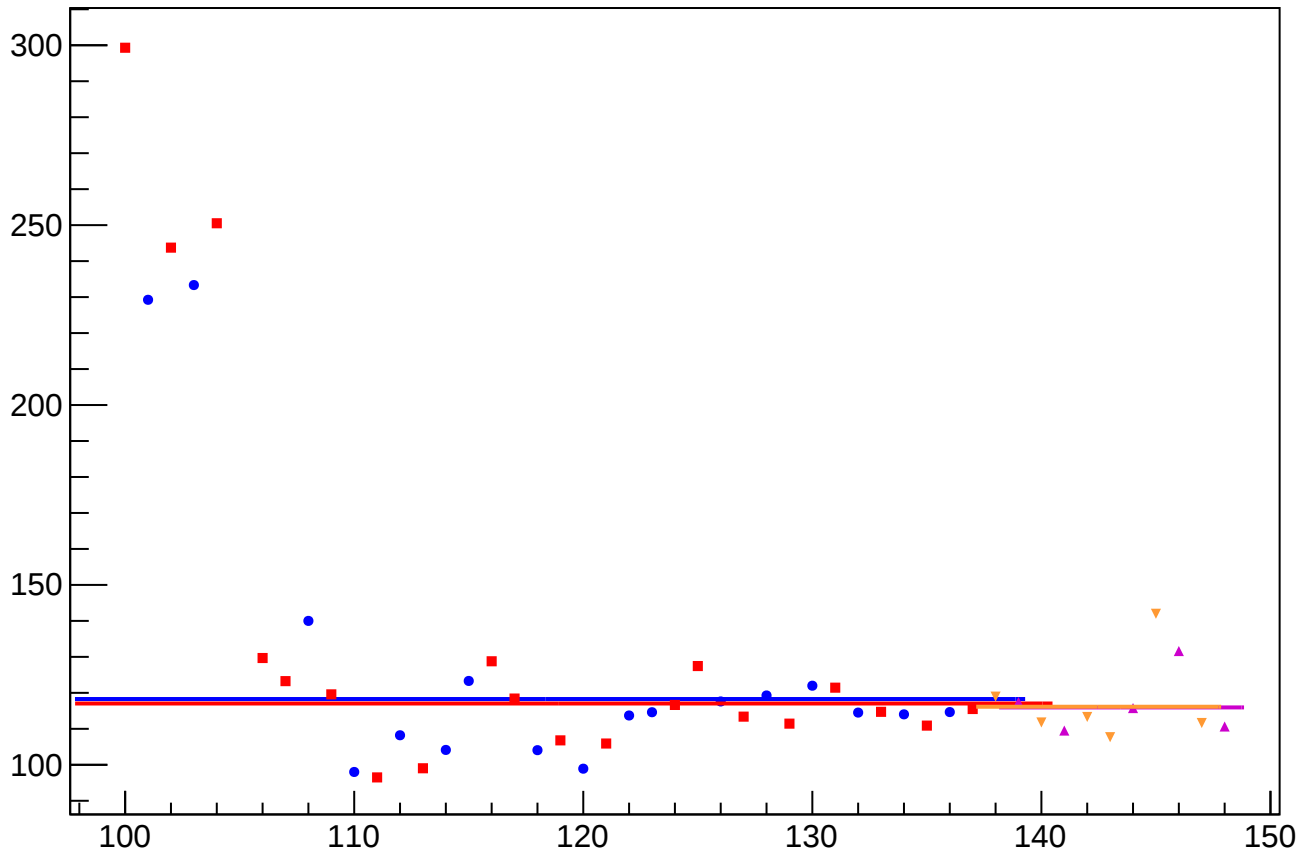
Left In: -5782.460 $\pm$ 58.650 χ^2/NDF : 5853.1/4

-5311.927 $\pm$ 37.293 χ^2/NDF : 48637.5/22

-4190.213 $\pm$ 26.018 χ^2/NDF : 67608.5/47

-3126.377 $\pm$ 36.318 χ^2/NDF : 17208.2/24

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286 $\pm$ 0.034 χ^2 /NDF: 636918.0/16

Left Out: 116.139 $\pm$ 0.041 χ^2 /NDF: 63477.2/5

Right Out: 117.040 $\pm$ 0.033 χ^2 /NDF: 690873.1/19

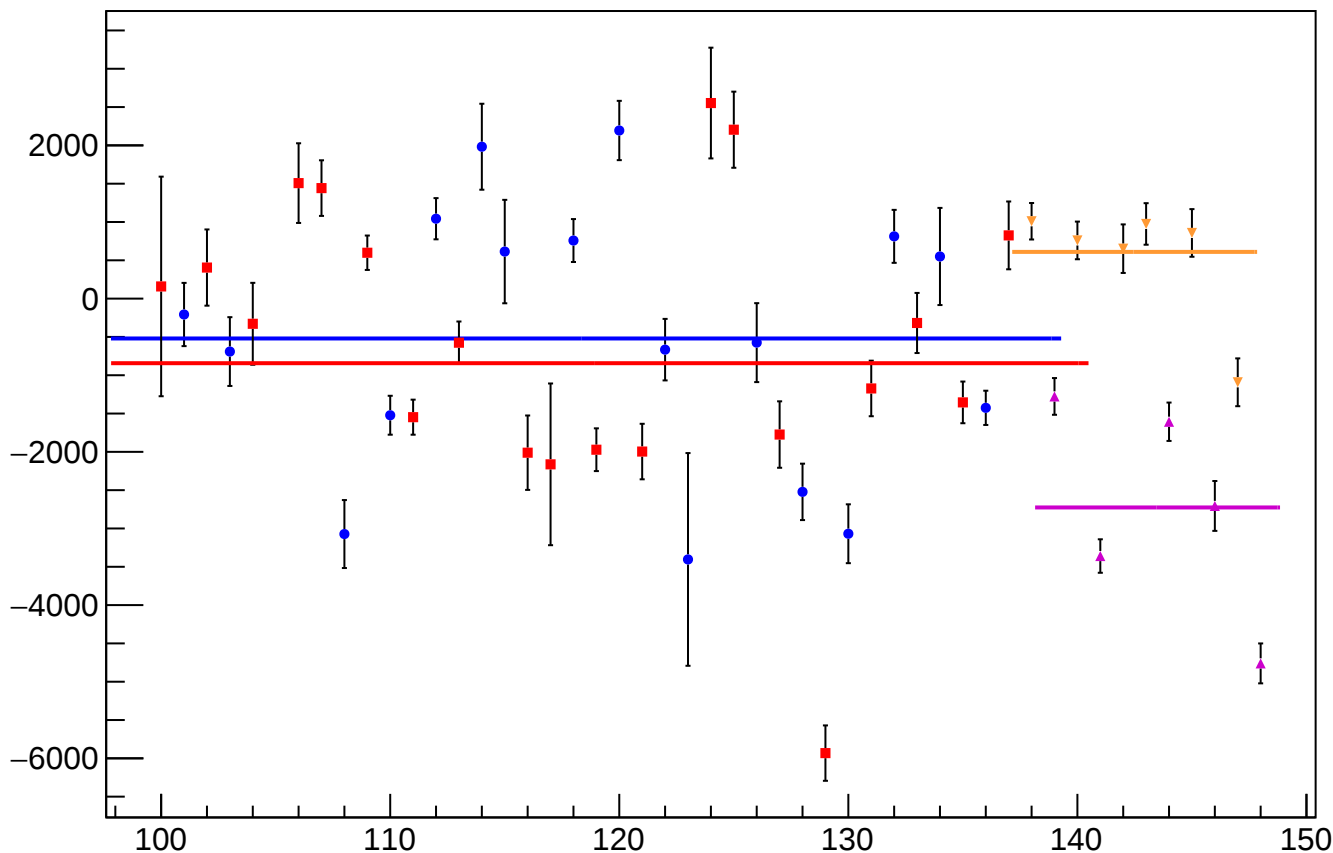
Left In: 115.949 $\pm$ 0.041 χ^2 /NDF: 32083.5/4

117.402 $\pm$ 0.026 χ^2 /NDF: 702000.5/22

117.002 $\pm$ 0.018 χ^2 /NDF: 1425833.3/47

116.622 $\pm$ 0.026 χ^2 /NDF: 723383.6/24

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 $\pm$ 89.241 χ^2 /NDF: 288.1/16

Left Out: 609.808 $\pm$ 112.958 χ^2 /NDF: 35.4/5

Right Out: -842.858 $\pm$ 82.024 χ^2 /NDF: 436.3/19

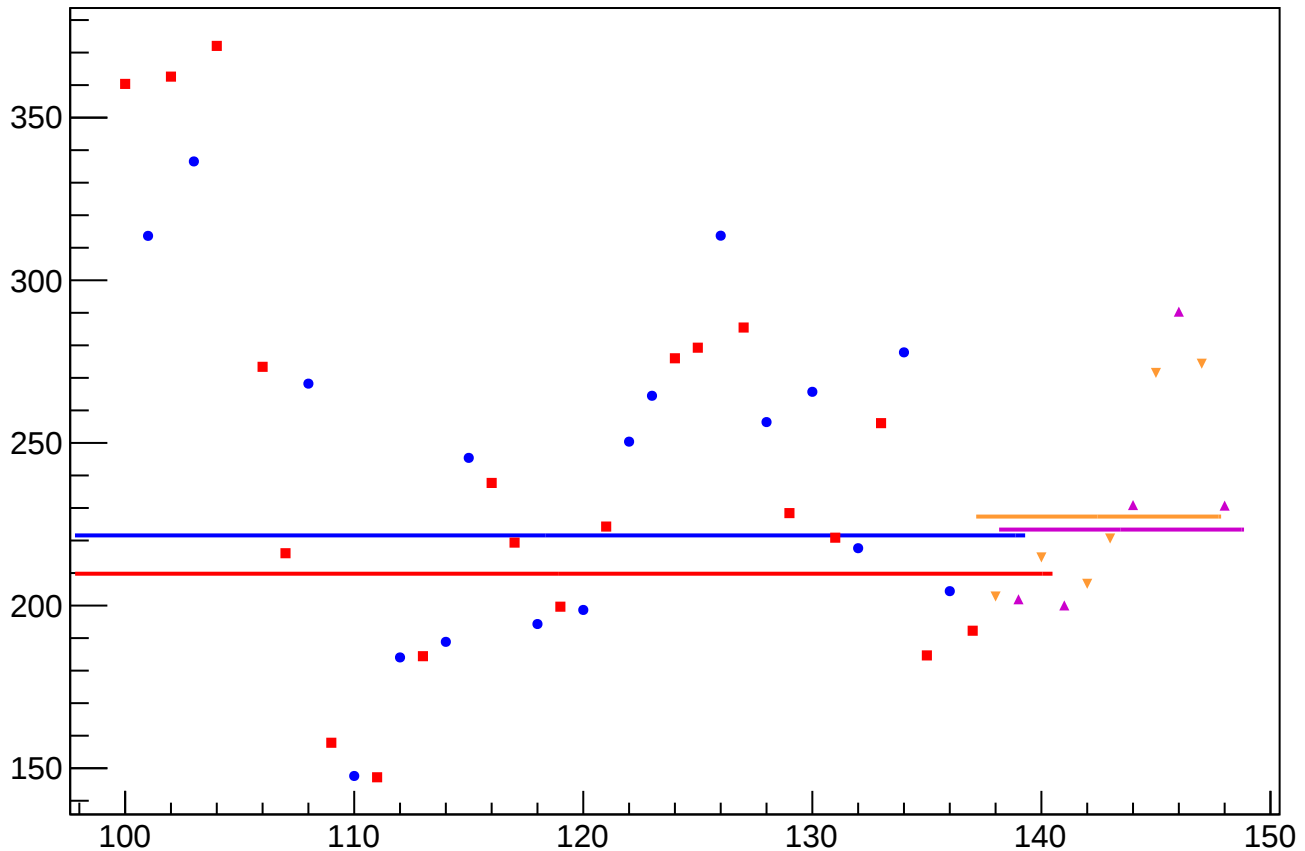
Left In: -2725.716 $\pm$ 112.870 χ^2 /NDF: 126.0/4

-85.984 $\pm$ 70.024 χ^2 /NDF: 385.1/22

-827.635 $\pm$ 48.165 χ^2 /NDF: 1342.4/47

-1493.570 $\pm$ 66.354 χ^2 /NDF: 744.4/24

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 +/- 0.063 χ^2/NDF : 644941.4/16

Left Out: 227.363 +/- 0.080 χ^2/NDF : 121952.7/5

Right Out: 209.794 +/- 0.058 χ^2/NDF : 884087.4/19

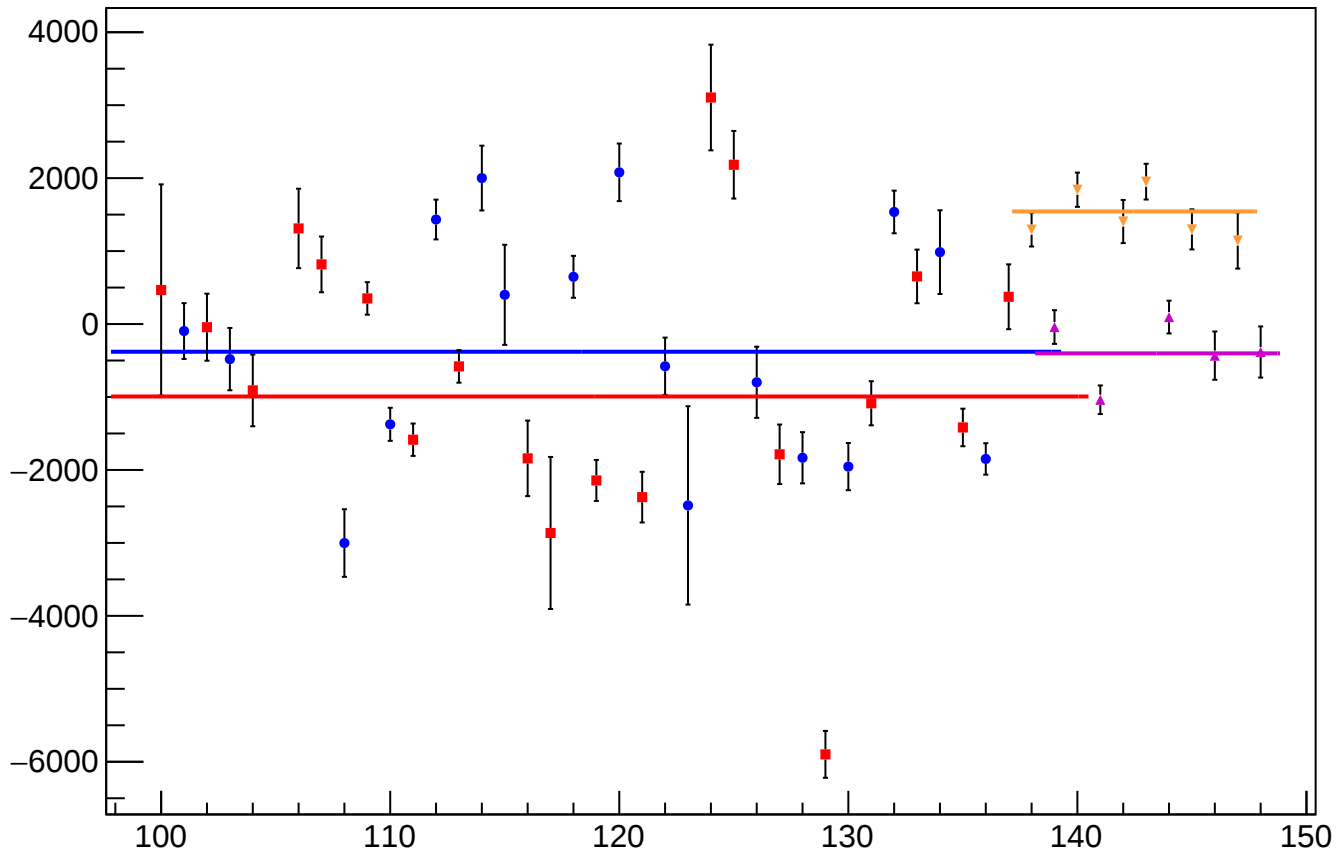
Left In: 223.364 +/- 0.080 χ^2/NDF : 126913.4/4

223.796 +/- 0.050 χ^2/NDF : 770132.7/22

218.889 +/- 0.034 χ^2/NDF : 1818687.5/47

214.484 +/- 0.047 χ^2/NDF : 1029919.0/24

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1543.397 ± 108.466 χ^2/NDF : 7.7/5

Right Out: -992.944 ± 77.509 χ^2/NDF : 479.5/19

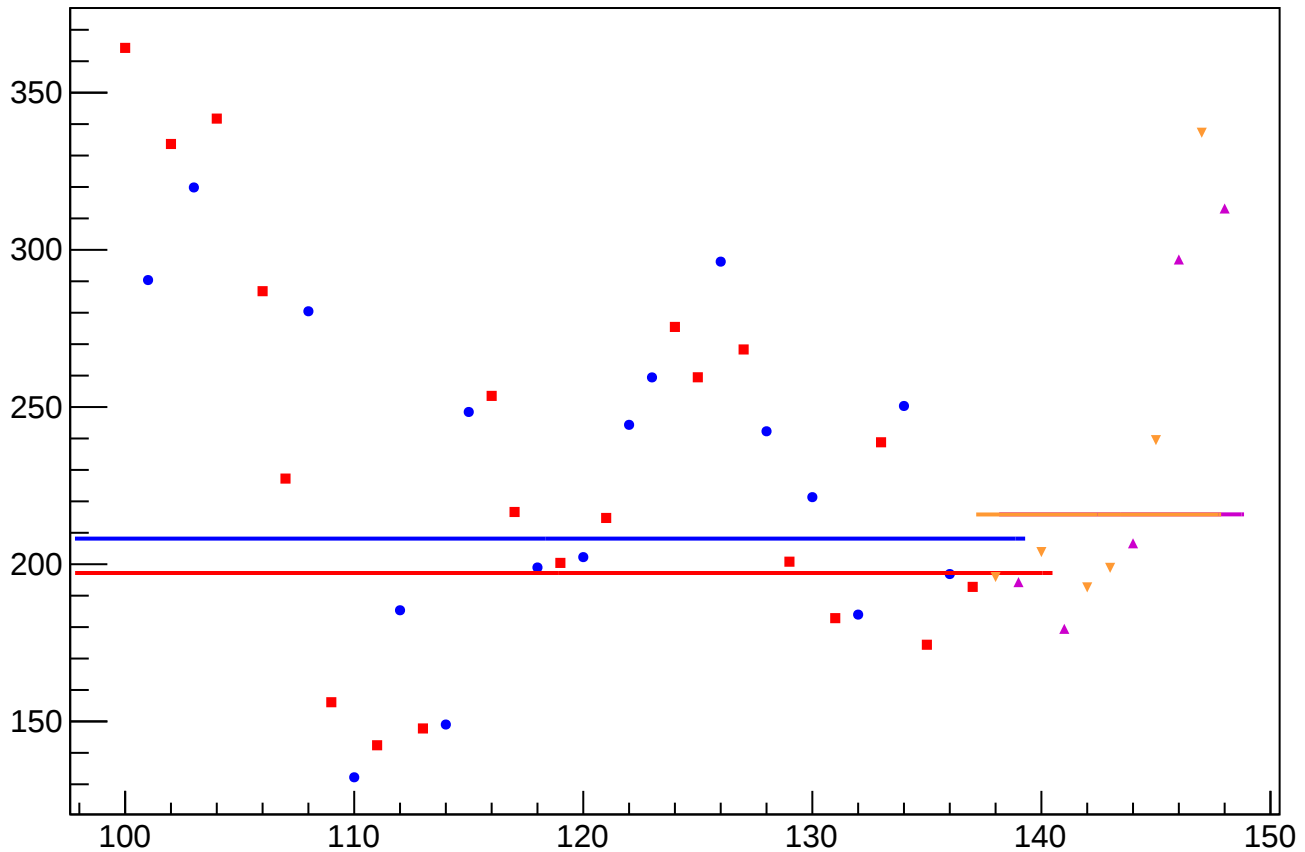
Left In: -402.080 ± 110.545 χ^2/NDF : 17.9/4

344.094 ± 66.541 χ^2/NDF : 520.8/22

-254.079 ± 45.925 χ^2/NDF : 1191.7/47

-798.204 ± 63.464 χ^2/NDF : 516.5/24

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 ± 0.060 $\chi^2/\text{NDF}: 699084.2/16$

Left Out: 215.828 ± 0.077 $\chi^2/\text{NDF}: 256959.6/5$

Right Out: 197.210 ± 0.055 $\chi^2/\text{NDF}: 927165.0/19$

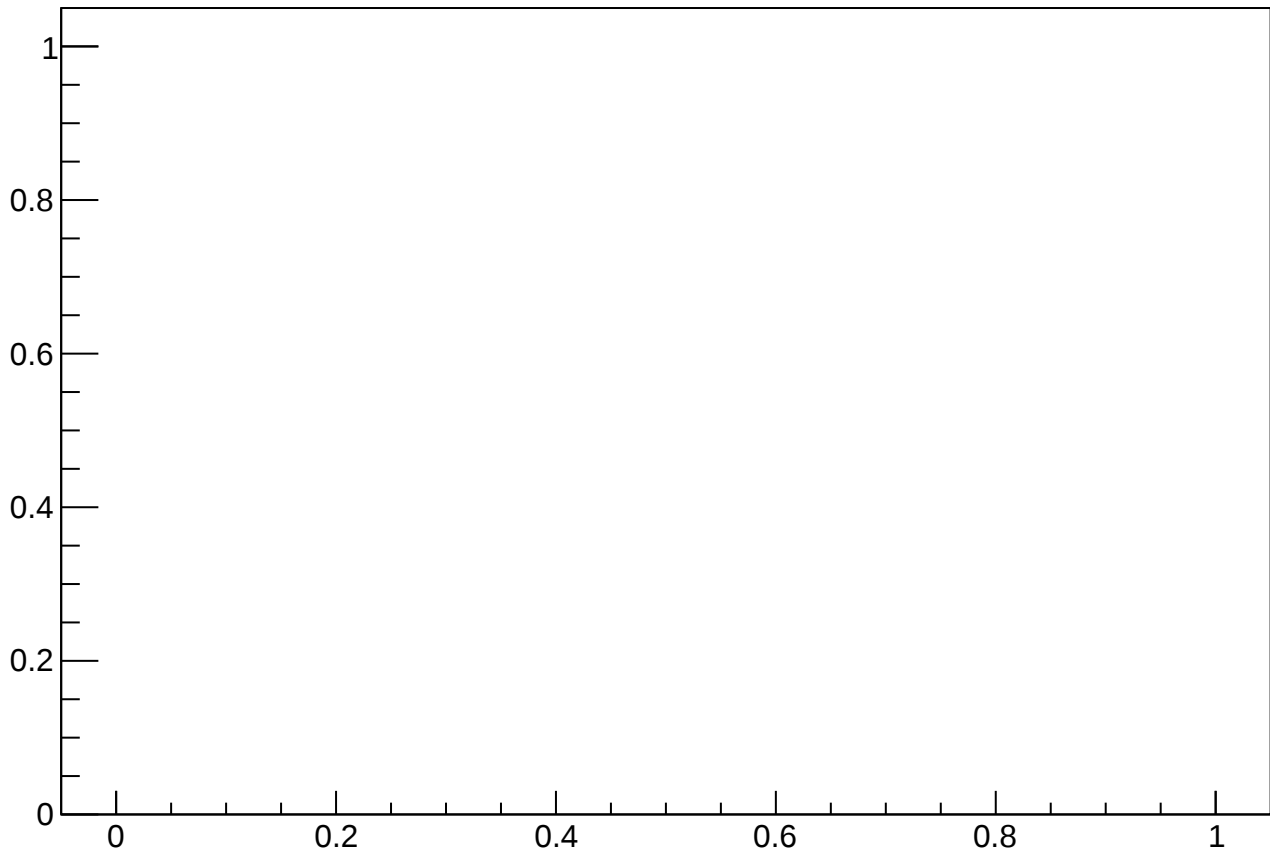
Left In: 215.862 ± 0.078 $\chi^2/\text{NDF}: 363769.0/4$

211.040 ± 0.047 $\chi^2/\text{NDF}: 962292.2/22$

207.017 ± 0.032 $\chi^2/\text{NDF}: 2305355.1/47$

203.358 ± 0.045 $\chi^2/\text{NDF}: 1329102.7/24$

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

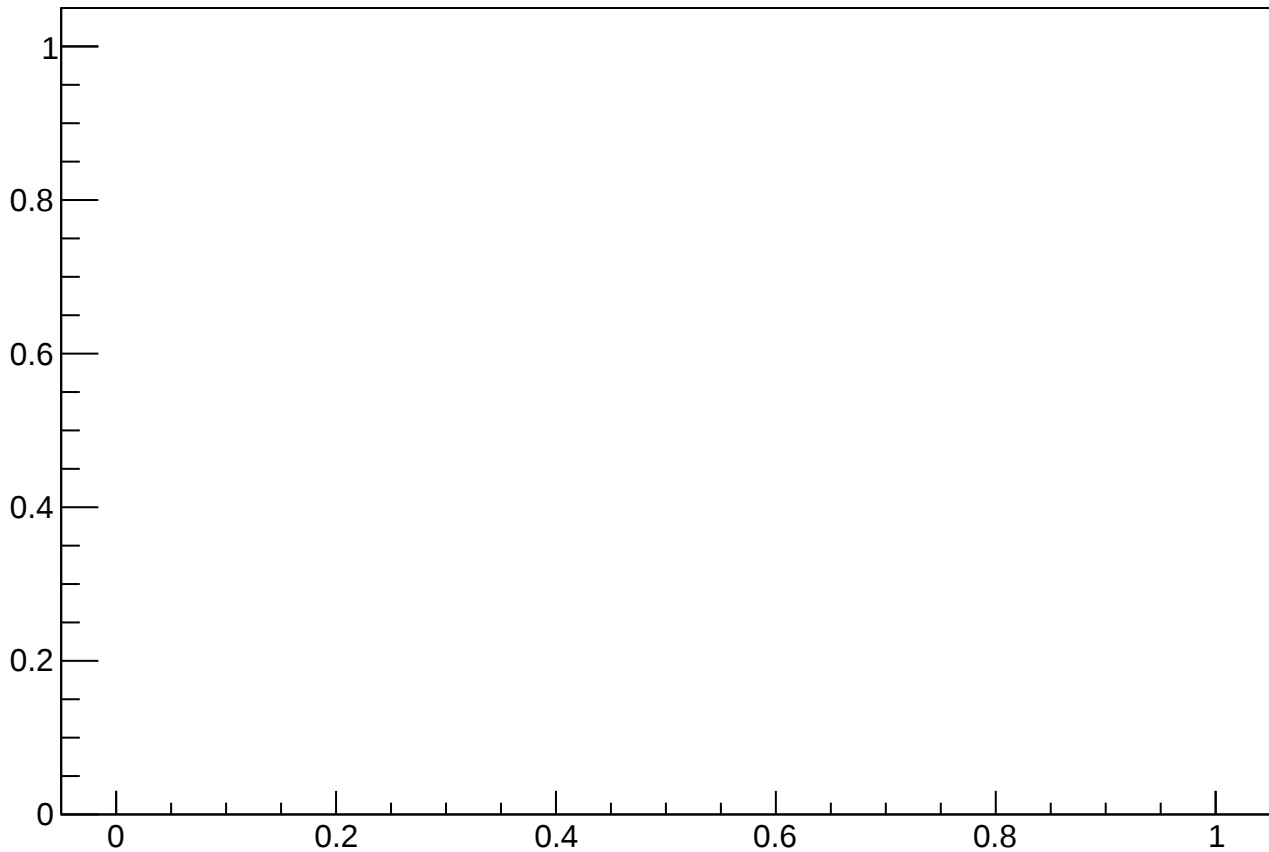
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

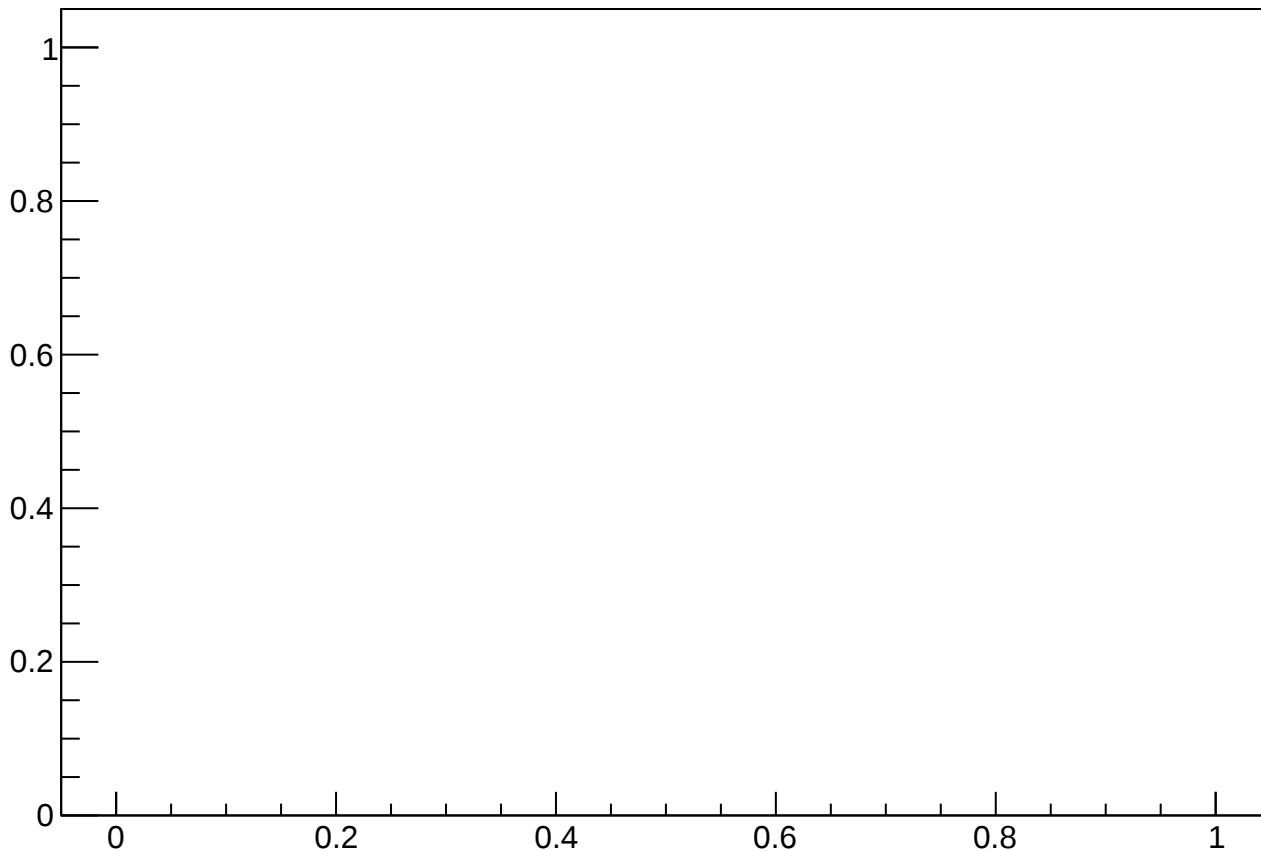
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

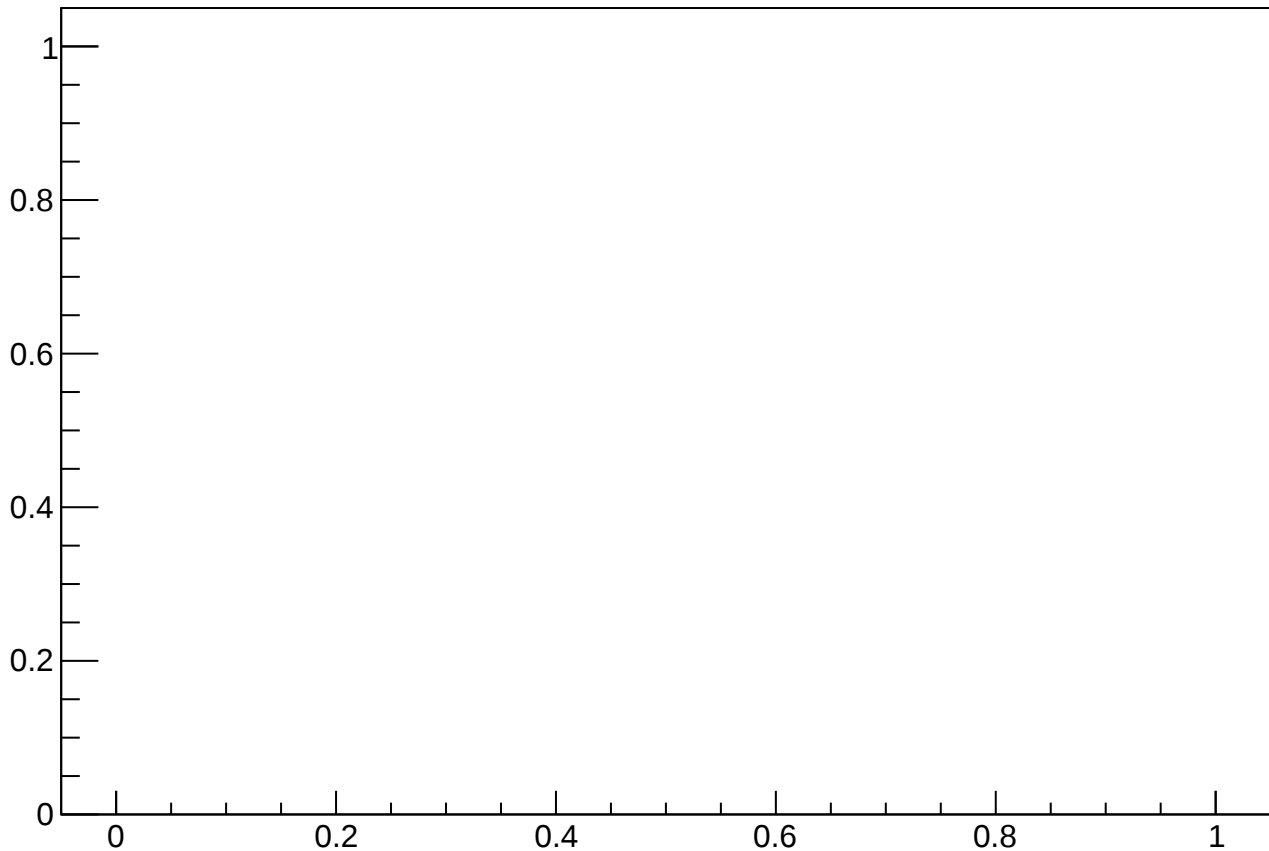
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

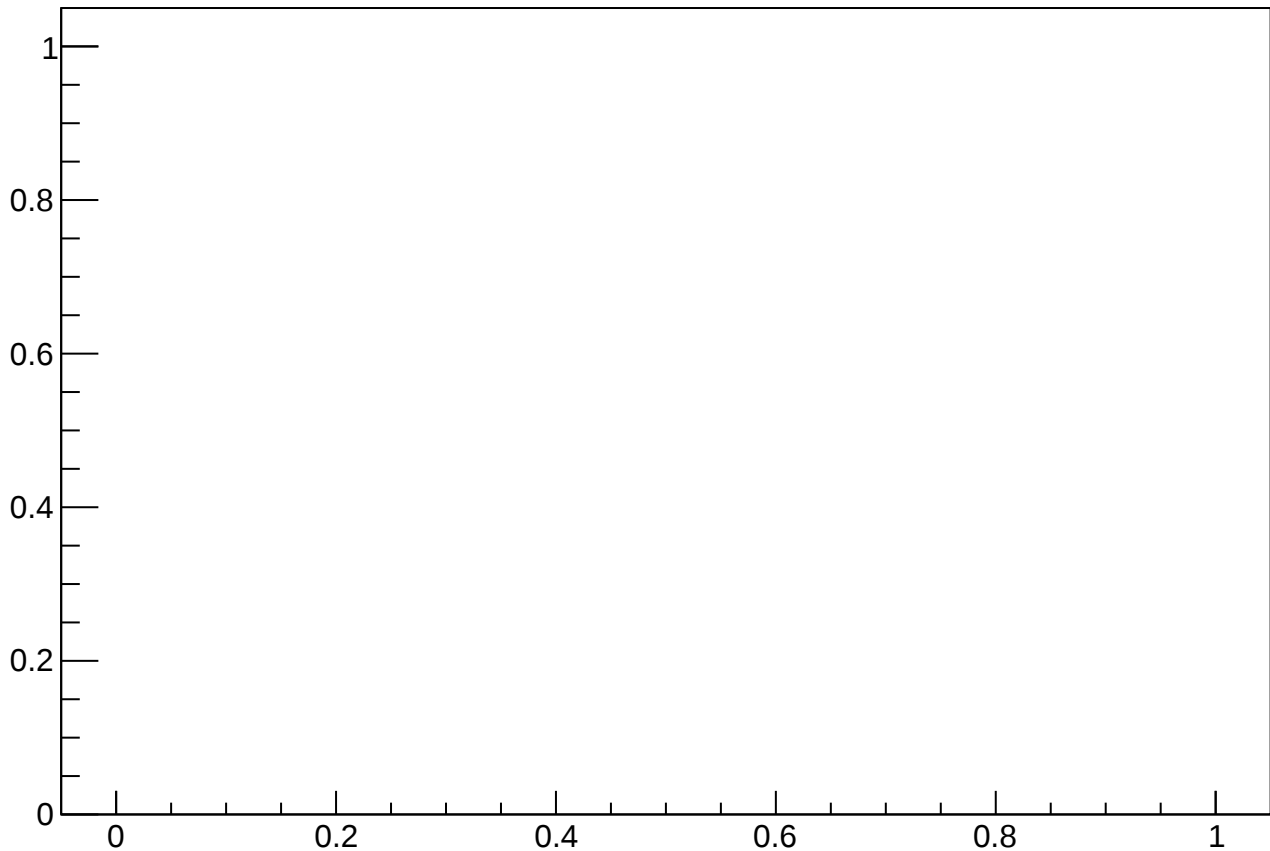
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

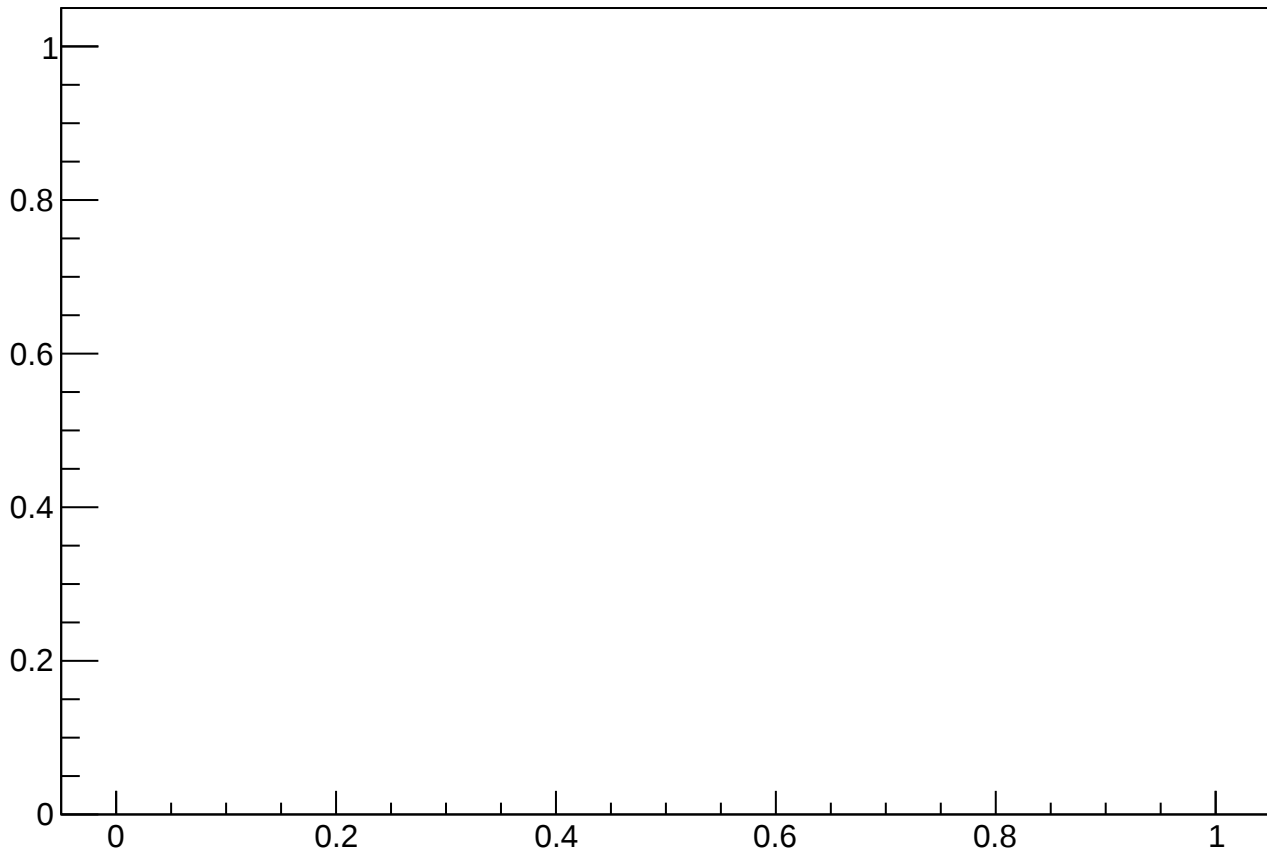
bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

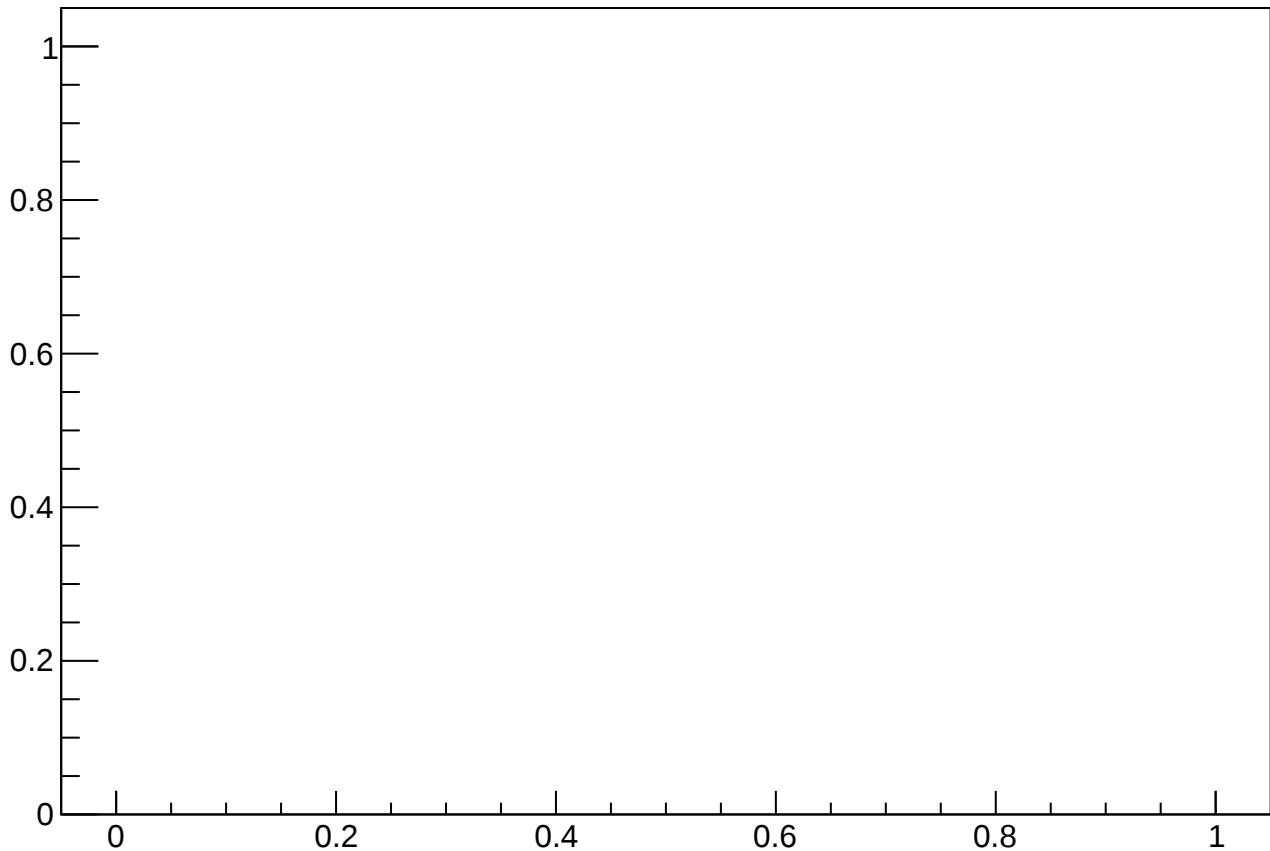
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

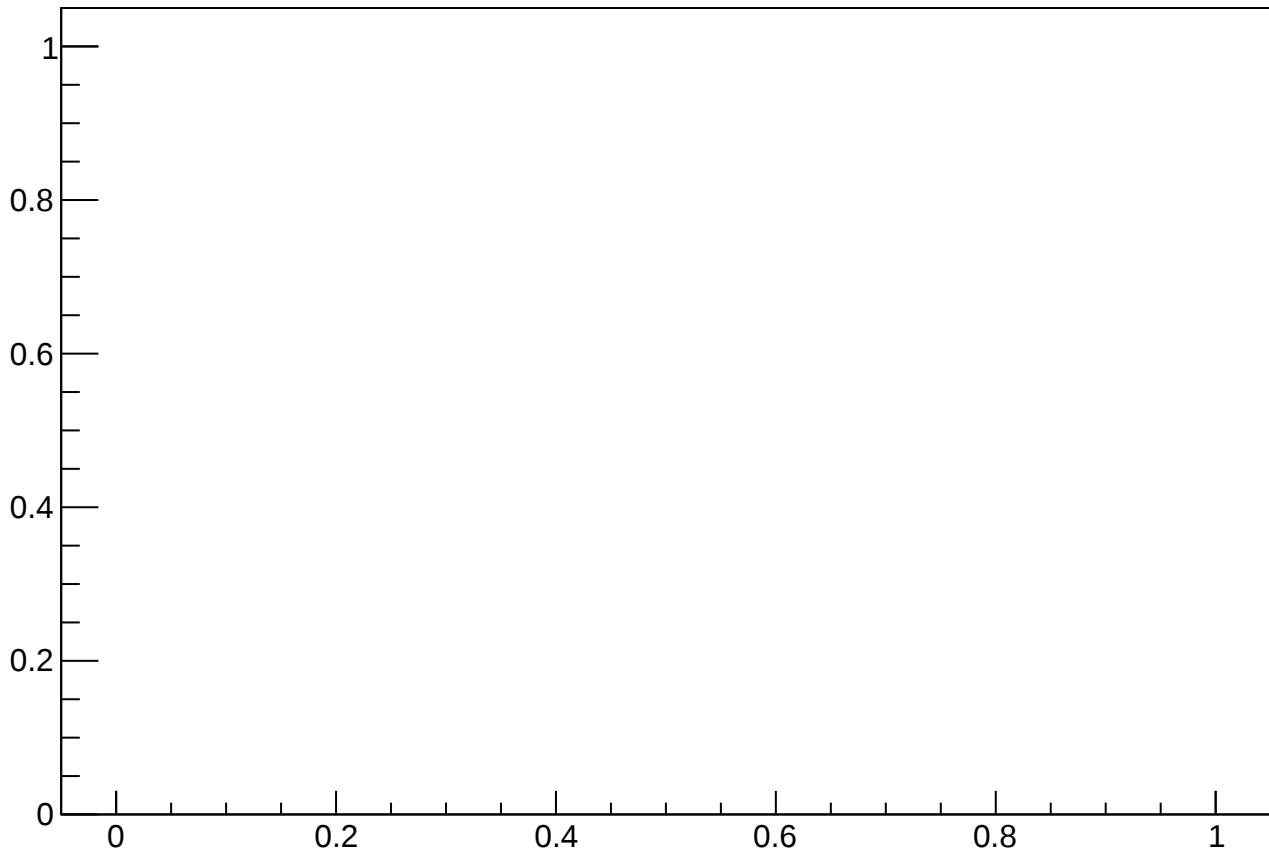
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

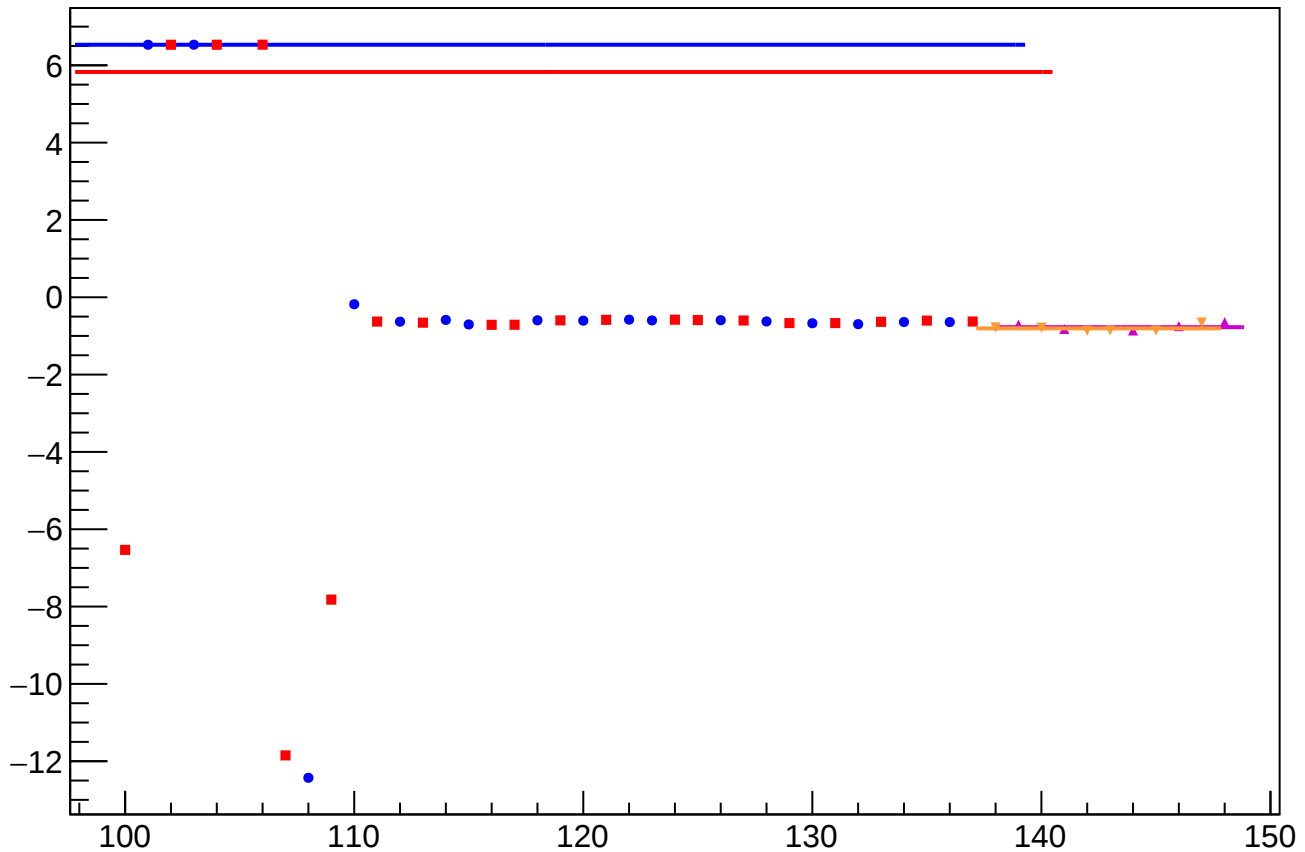
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 0.000 χ^2 /NDF: 127219747629.7/16

Left Out: -0.805 $\pm$ 0.000 χ^2 /NDF: 24878630.1/5

6.531 $\pm$ 0.000 χ^2 /NDF: 328525688292.1/22

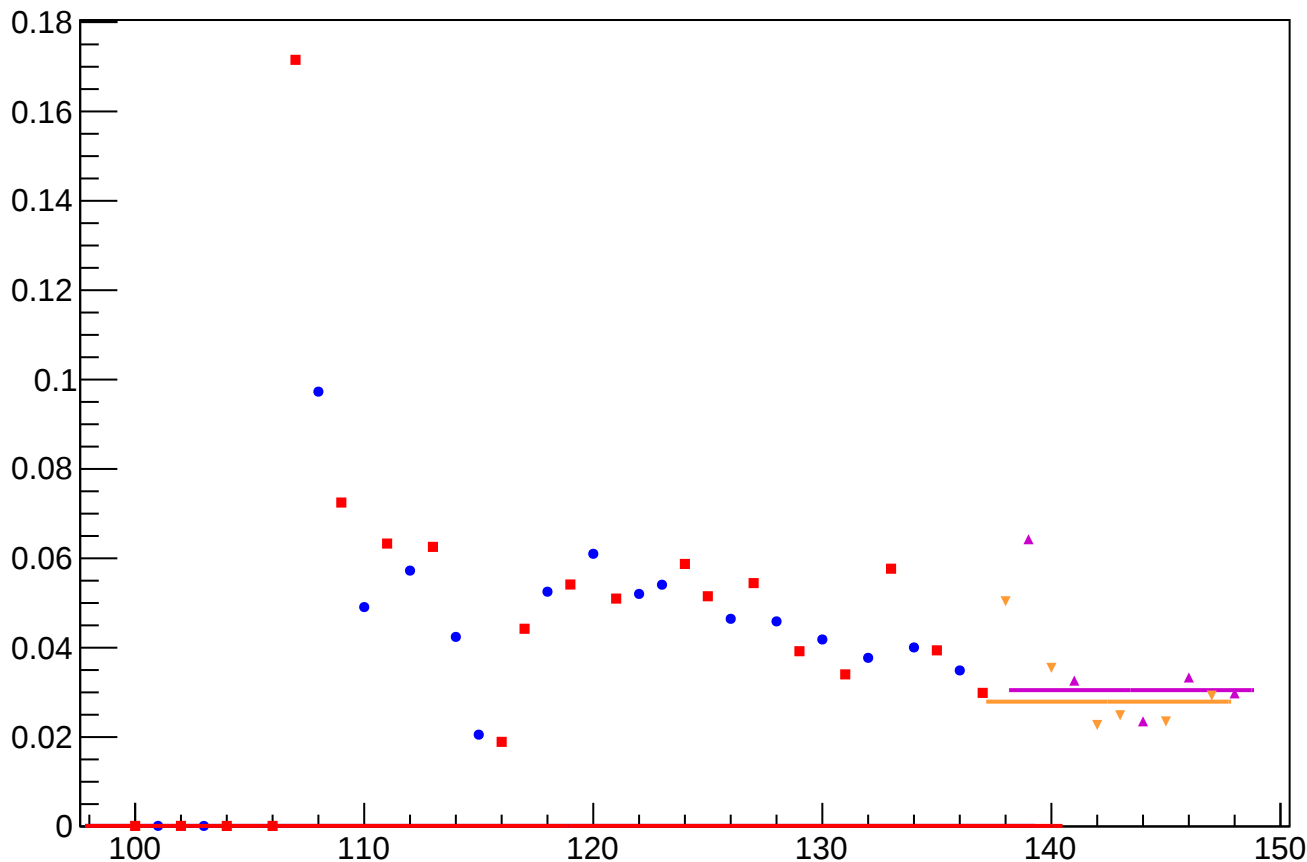
Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755964092355063.0/19

6.154 $\pm$ 0.000 χ^2 /NDF: 77642911818278

5.827 $\pm$ 0.000 χ^2 /NDF: 756102451708600.6/24

Left In: -0.773 $\pm$ 0.000 χ^2 /NDF: 22746175.4/4

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.028 $\pm$ 0.000 χ^2/NDF : 376527.3/5

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9429256.2/19

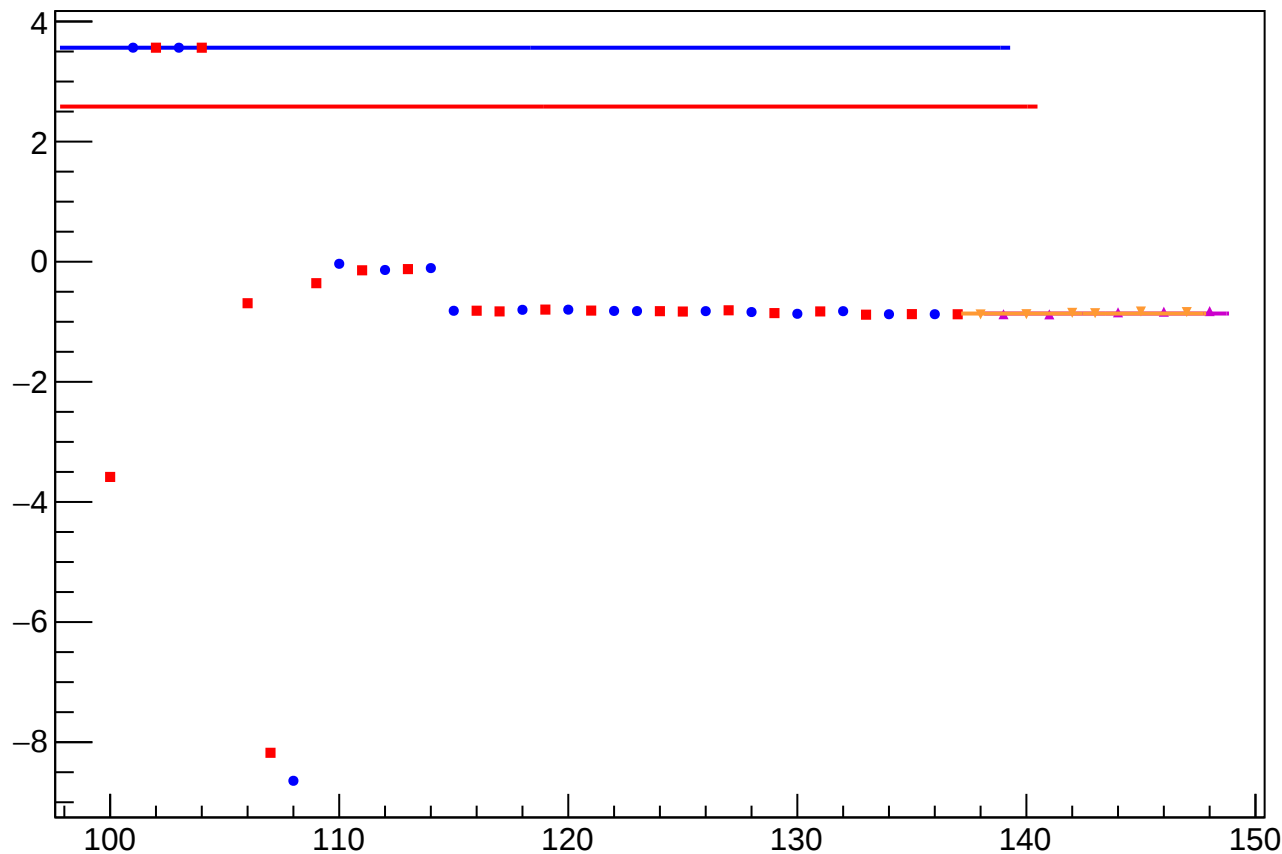
Left In: 0.031 $\pm$ 0.000 χ^2/NDF : 511670.5/4

0.000 $\pm$ 0.000 χ^2/NDF : 15046038.0/22

0.000 $\pm$ 0.000 χ^2/NDF : 30847680.4/47

0.000 $\pm$ 0.000 χ^2/NDF : 15801318.5/24

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.863+/-0.000 χ^2/NDF : 12483864.8/5

Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

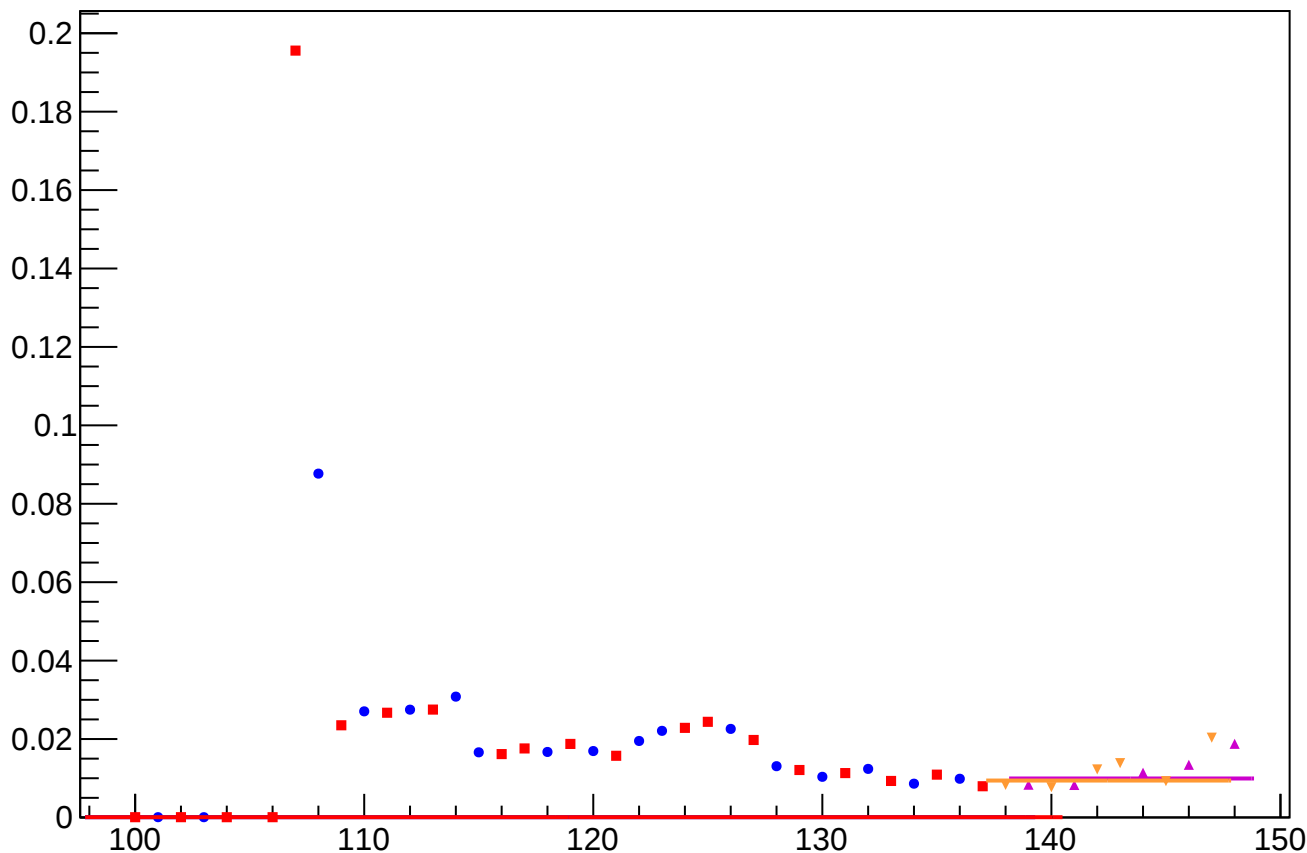
Left In: -0.863+/-0.000 χ^2/NDF : 11715495.9/4

3.563+/-0.000 χ^2/NDF : 1180139044335.0/22

3.040+/-0.000 χ^2/NDF : 13832831008381

2.583+/-0.000 χ^2/NDF : 1253880326636468.8/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF : 614370.2/5

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

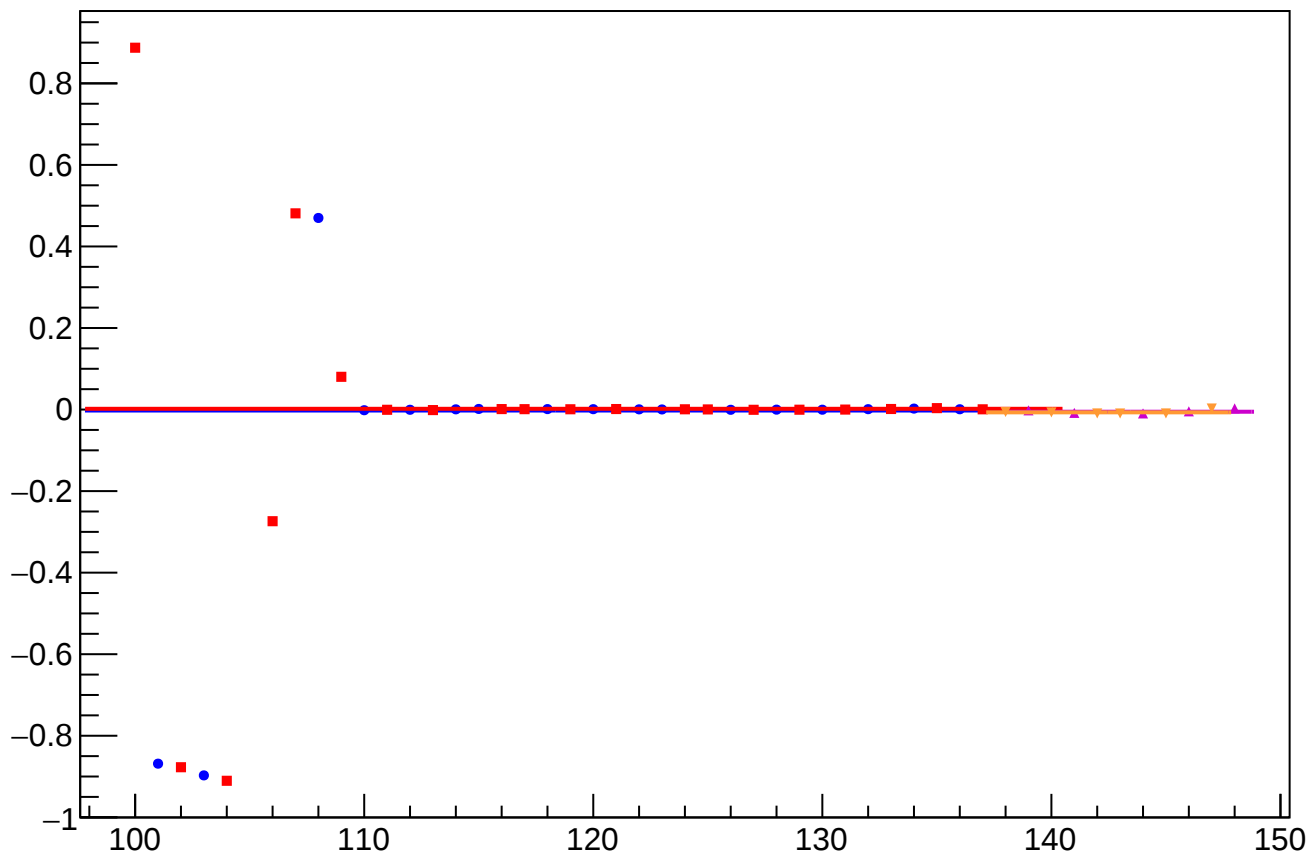
Left In: 0.010+/-0.000 χ^2/NDF : 515860.3/4

0.000+/-0.000 χ^2/NDF : 16566785.8/22

0.000+/-0.000 χ^2/NDF : 33202761.0/47

0.000+/-0.000 χ^2/NDF : 16635562.0/24

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.007+/-0.000 χ^2/NDF : 27115668.0/5

Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

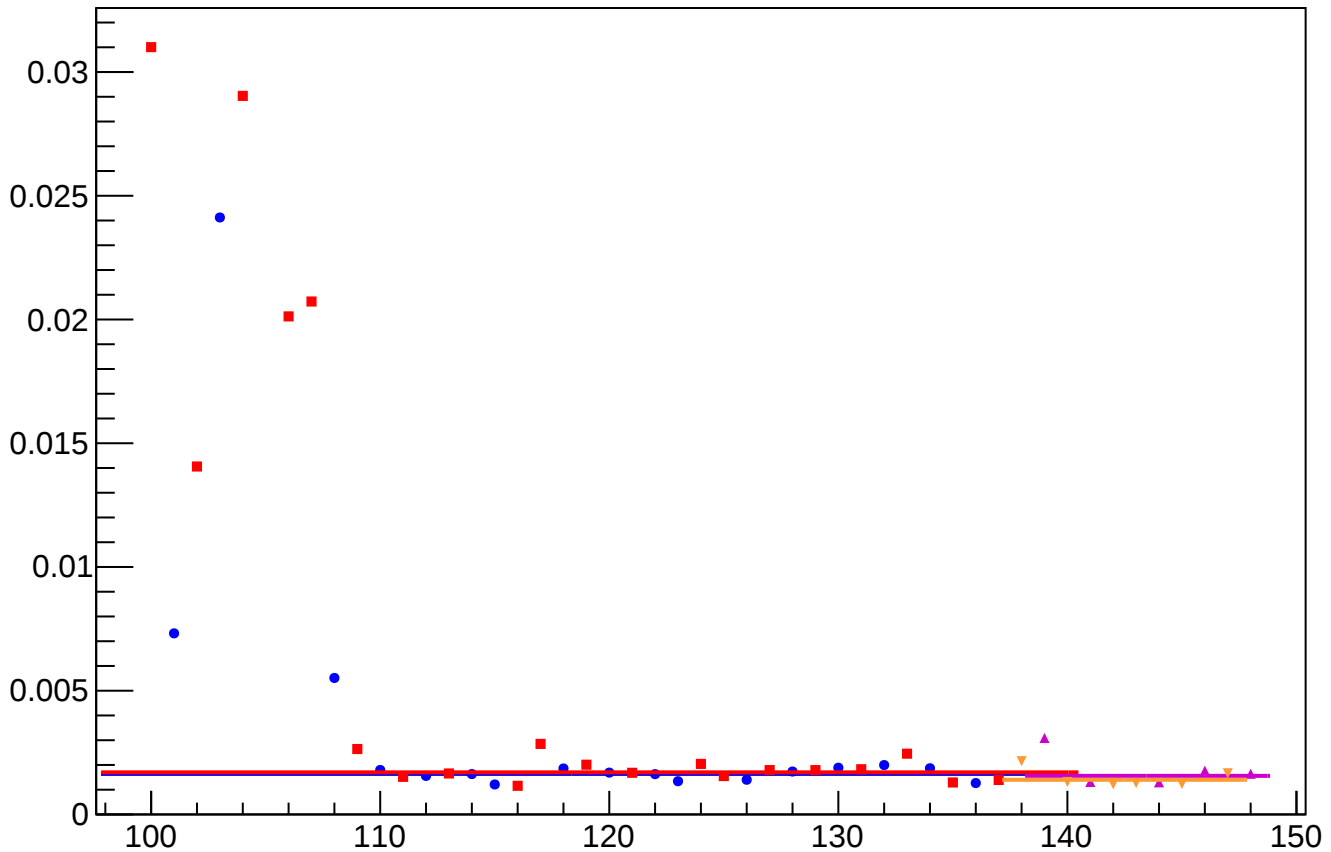
Left In: -0.005+/-0.000 χ^2/NDF : 26670316.3/4

-0.004+/-0.000 χ^2/NDF : 9837835021.0/22

-0.003+/-0.000 χ^2/NDF : 12955801796.1/4

-0.001+/-0.000 χ^2/NDF : 3103342808.6/24

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 ± 0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.001 ± 0.000 χ^2/NDF : 225665.6/5

Right Out: 0.002 ± 0.000 χ^2/NDF : 3037006.7/19

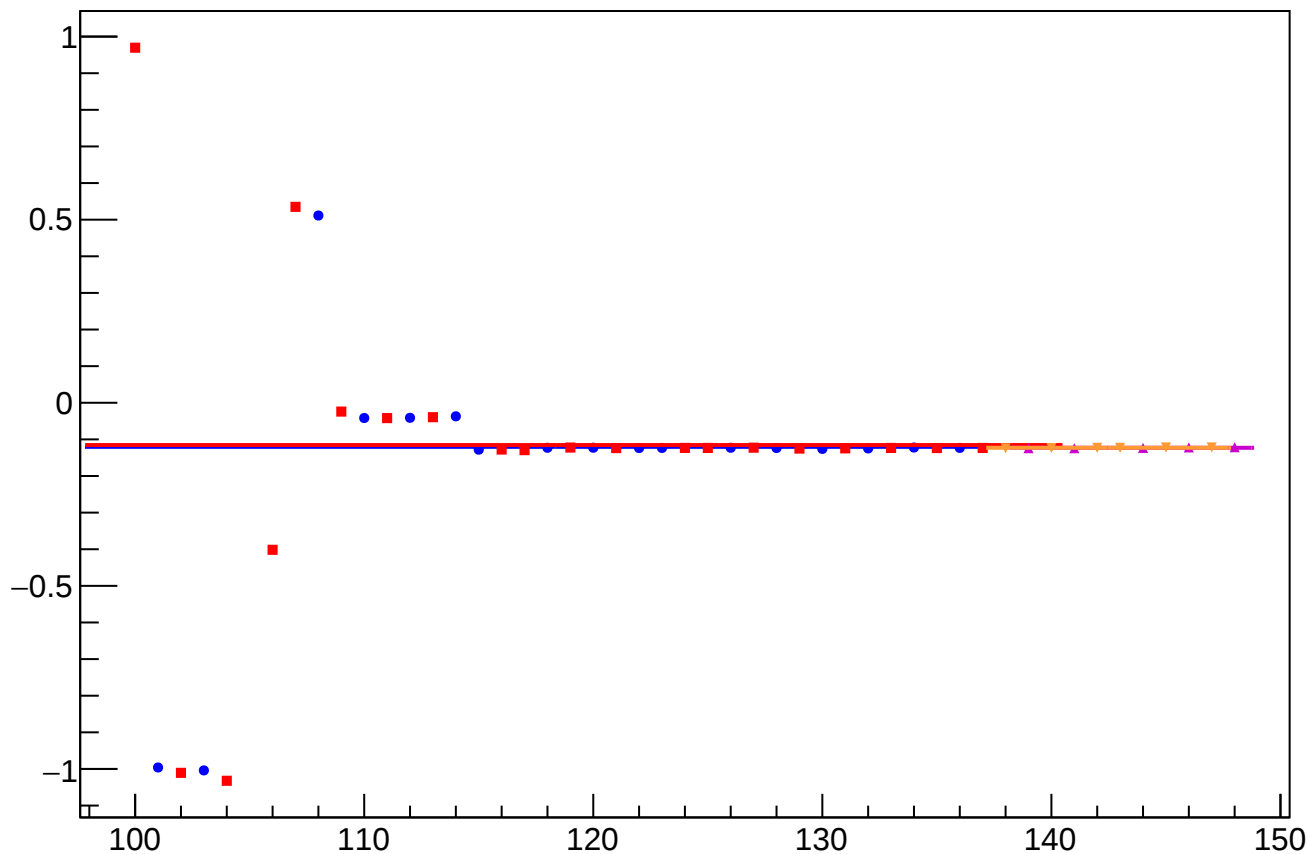
Left In: 0.002 ± 0.000 χ^2/NDF : 465961.7/4

0.002 ± 0.000 χ^2/NDF : 2231780.4/22

0.002 ± 0.000 χ^2/NDF : 5800552.8/47

0.002 ± 0.000 χ^2/NDF : 3530487.3/24

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.123+/-0.000 χ^2/NDF : 1877940.8/5

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

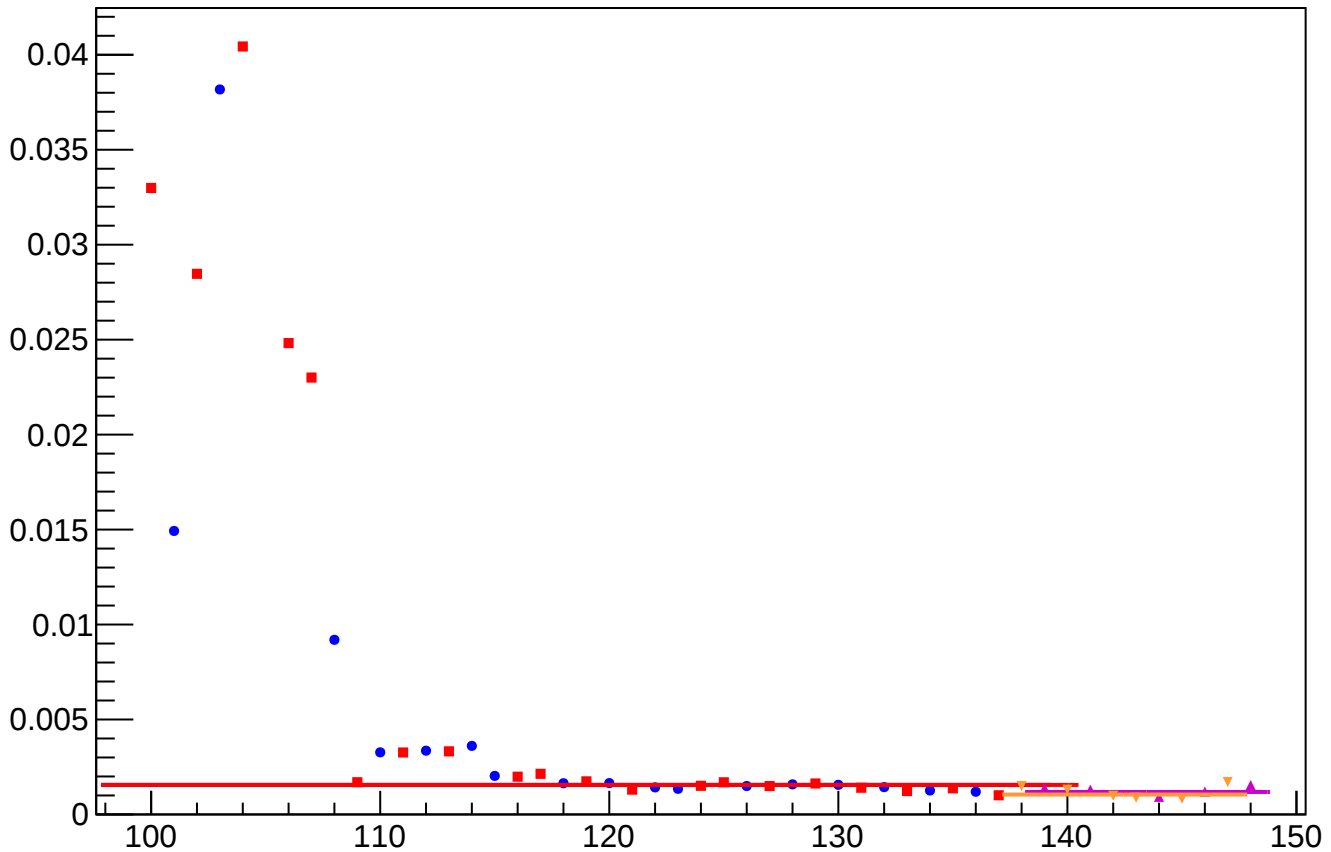
Left In: -0.123+/-0.000 χ^2/NDF : 2336332.7/4

-0.122+/-0.000 χ^2/NDF : 3941810450.3/22

-0.121+/-0.000 χ^2/NDF : 6474836771.9/4

-0.120+/-0.000 χ^2/NDF : 2521694269.8/24

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 544445.6/5

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3545212.9/19

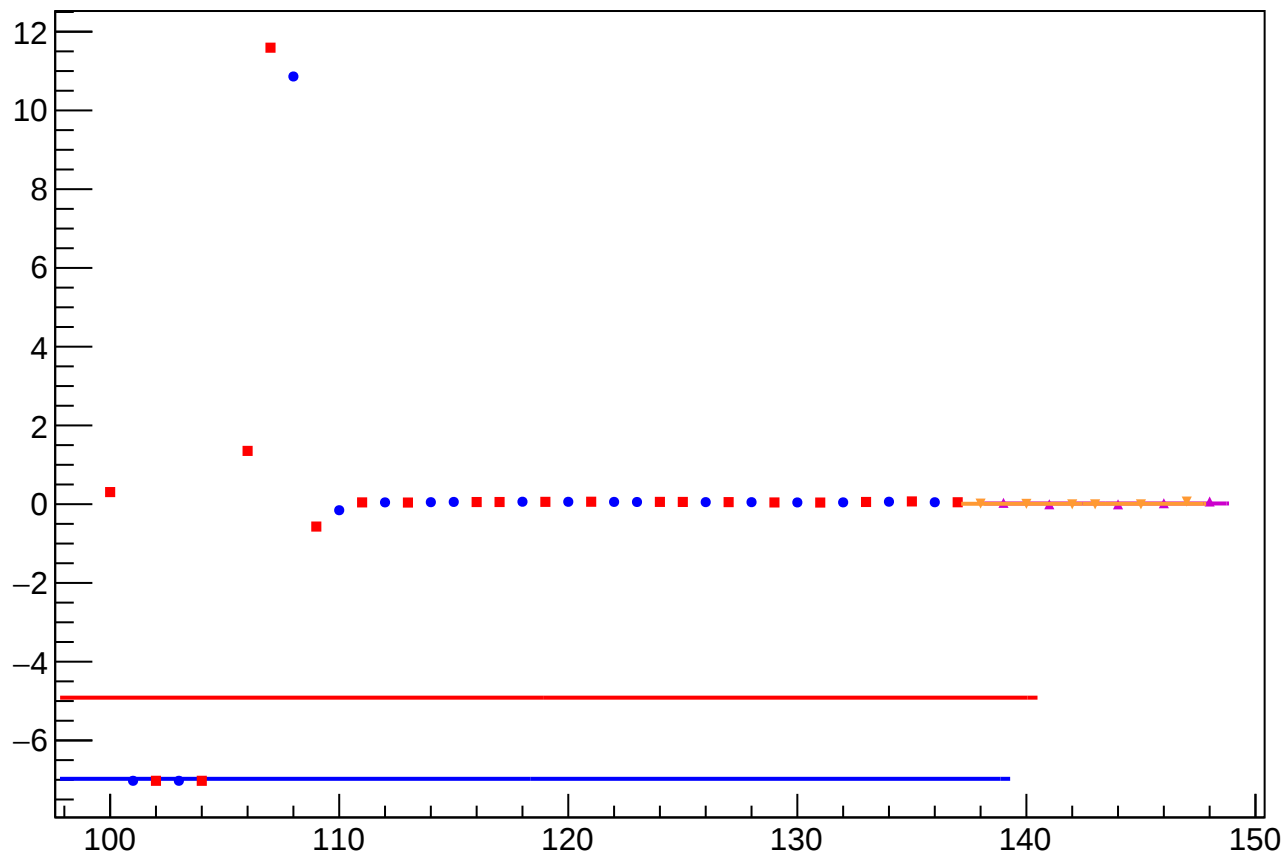
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 250254.9/4

0.001 $\pm$ 0.000 χ^2 /NDF: 4061934.3/22

0.001 $\pm$ 0.000 χ^2 /NDF: 8211510.1/47

0.001 $\pm$ 0.000 χ^2 /NDF: 4093522.4/24

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 +/- 0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.010 +/- 0.000 χ^2/NDF : 26400333.1/5

Right Out: -4.914 +/- 0.000 χ^2/NDF : 365362121338855.3/19

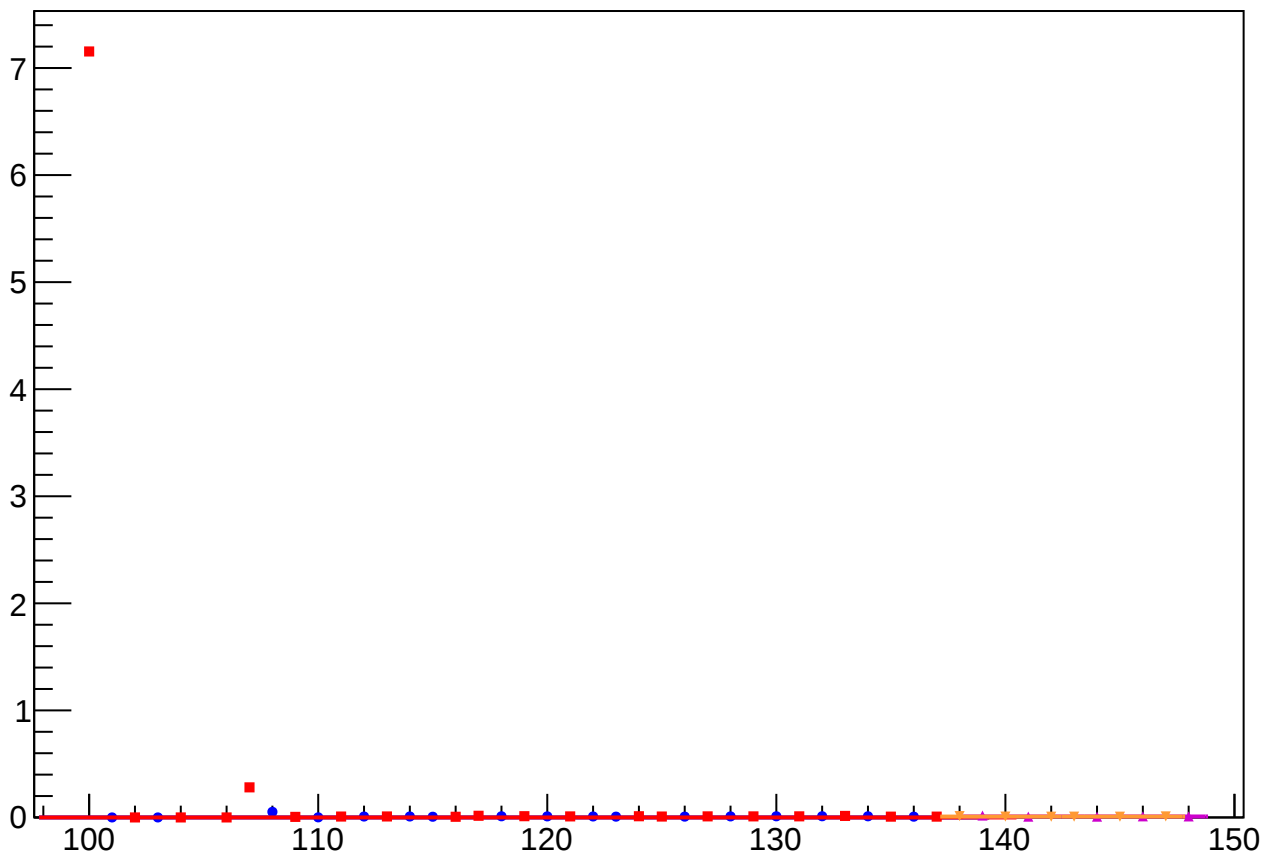
Left In: 0.018 +/- 0.000 χ^2/NDF : 27935591.4/4

-6.963 +/- 0.000 χ^2/NDF : 10861808056378.4/22

-5.891 +/- 0.000 χ^2/NDF : 4330917628633

-4.907 +/- 0.000 χ^2/NDF : 366241526309320.6/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.008+/-0.000 χ^2/NDF : 229606.3/5

Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

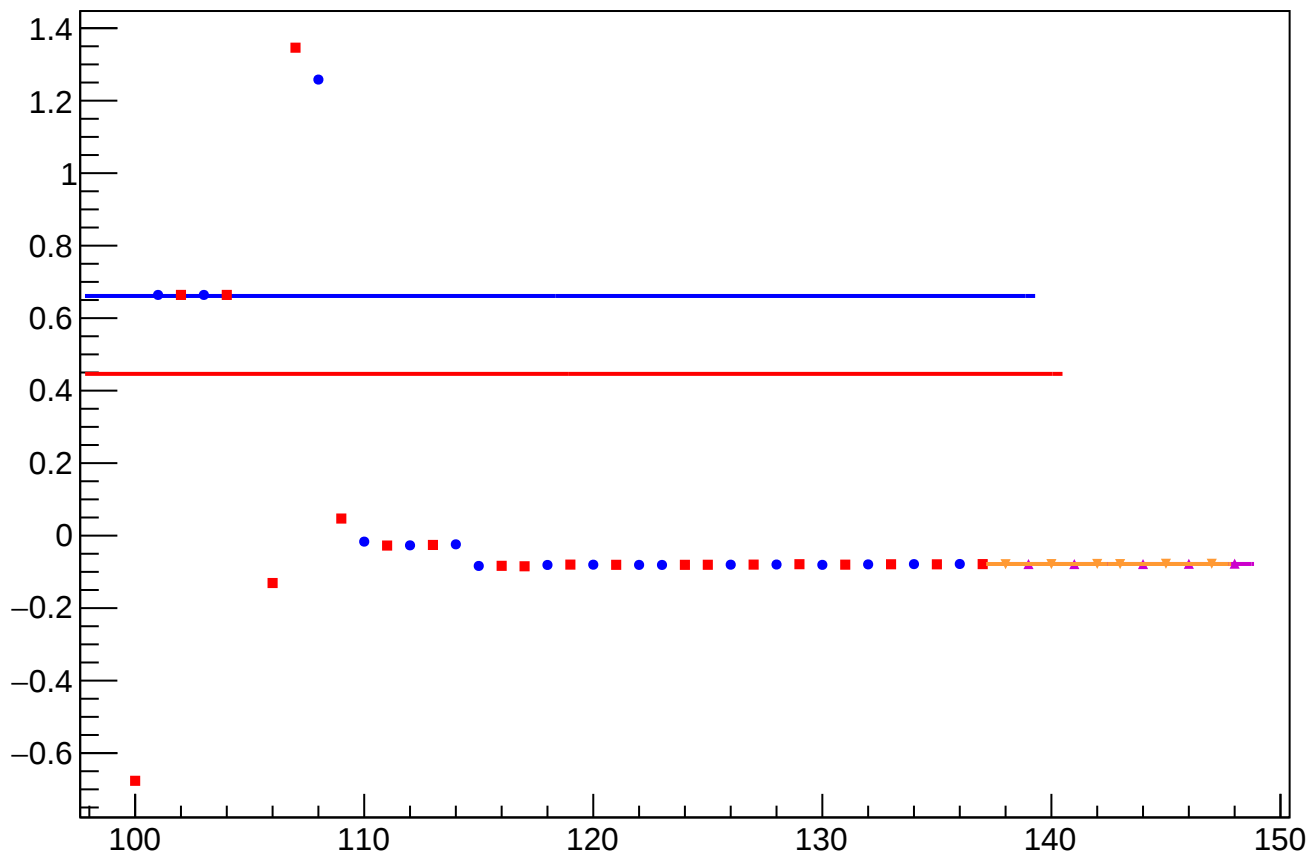
Left In: 0.009+/-0.000 χ^2/NDF : 464936.3/4

0.000+/-0.000 χ^2/NDF : 14130875.2/22

0.000+/-0.000 χ^2/NDF : 29215377.0/47

0.000+/-0.000 χ^2/NDF : 15083747.8/24

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.078+/-0.000 χ^2/NDF : 2373410.3/5

Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

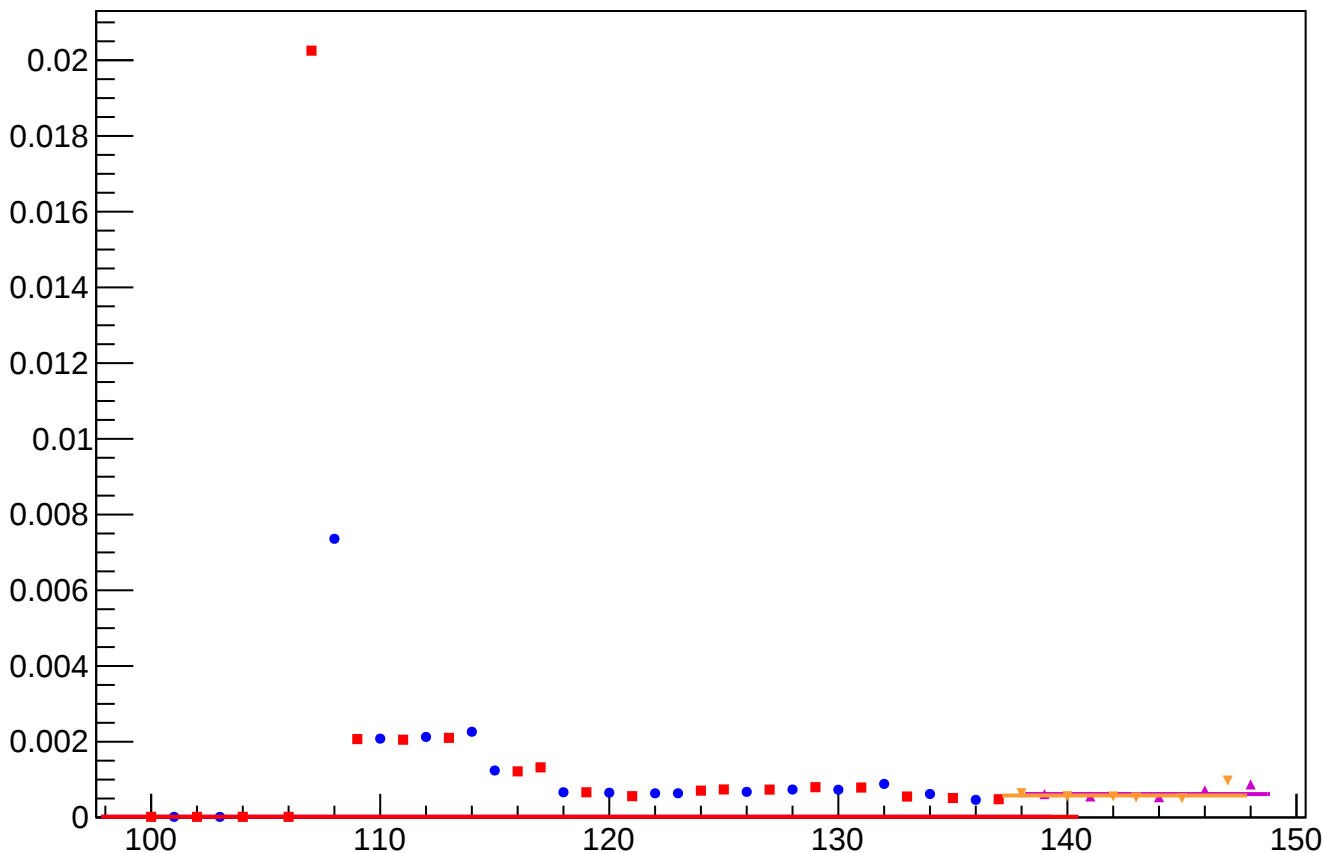
Left In: -0.078+/-0.000 χ^2/NDF : 1448107.0/4

0.658+/-0.000 χ^2/NDF : 11749523533027.6/22

0.546+/-0.000 χ^2/NDF : 48220677727899

0.444+/-0.000 χ^2/NDF : 408103801608894.1/24

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 :303517.8/5

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

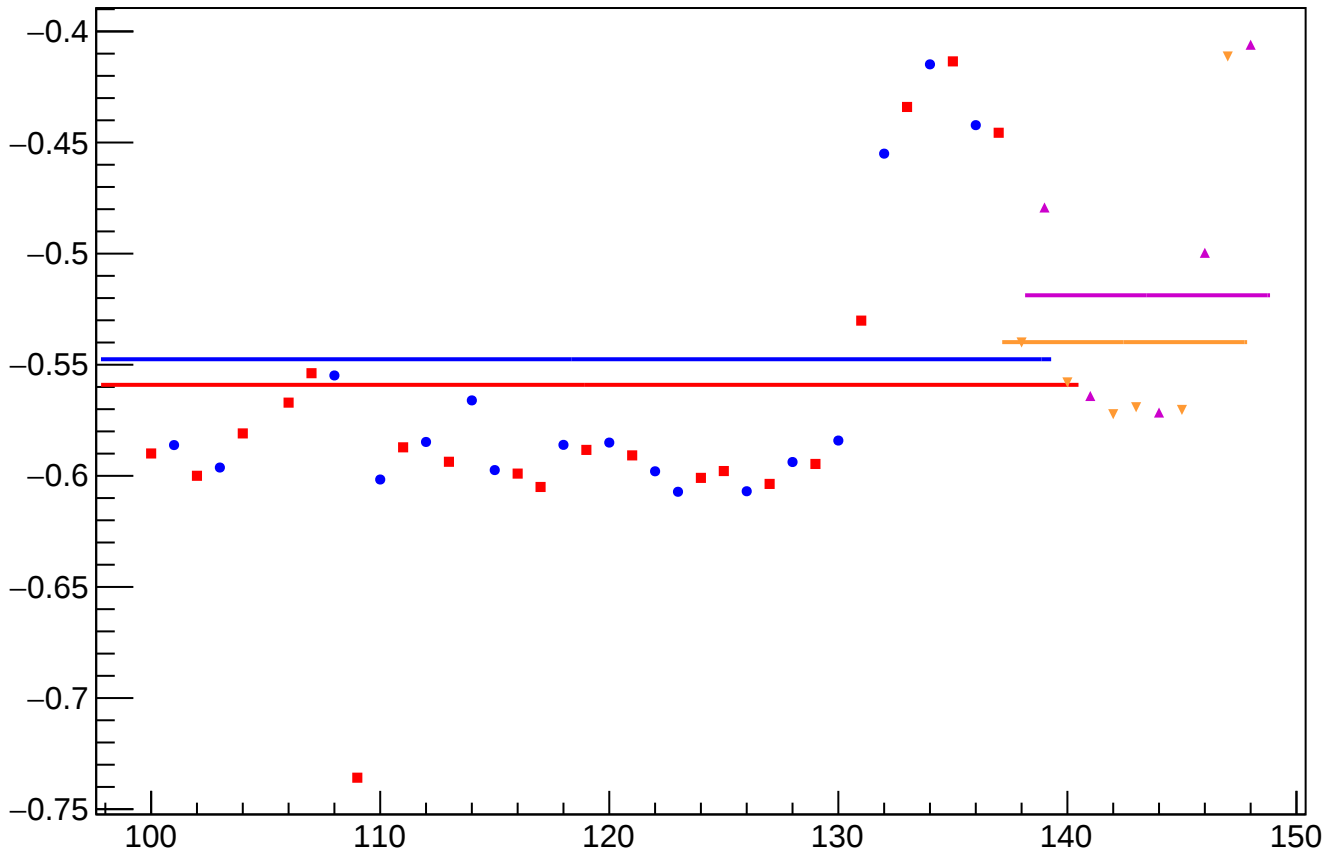
Left In: 0.001+/-0.000 χ^2/NDF :218963.9/4

0.000+/-0.000 χ^2/NDF : 17275925.4/22

0.000+/-0.000 χ^2/NDF : 34051212.4/47

0.000+/-0.000 χ^2/NDF : 16774807.3/24

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 : 28153071.7/5

Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

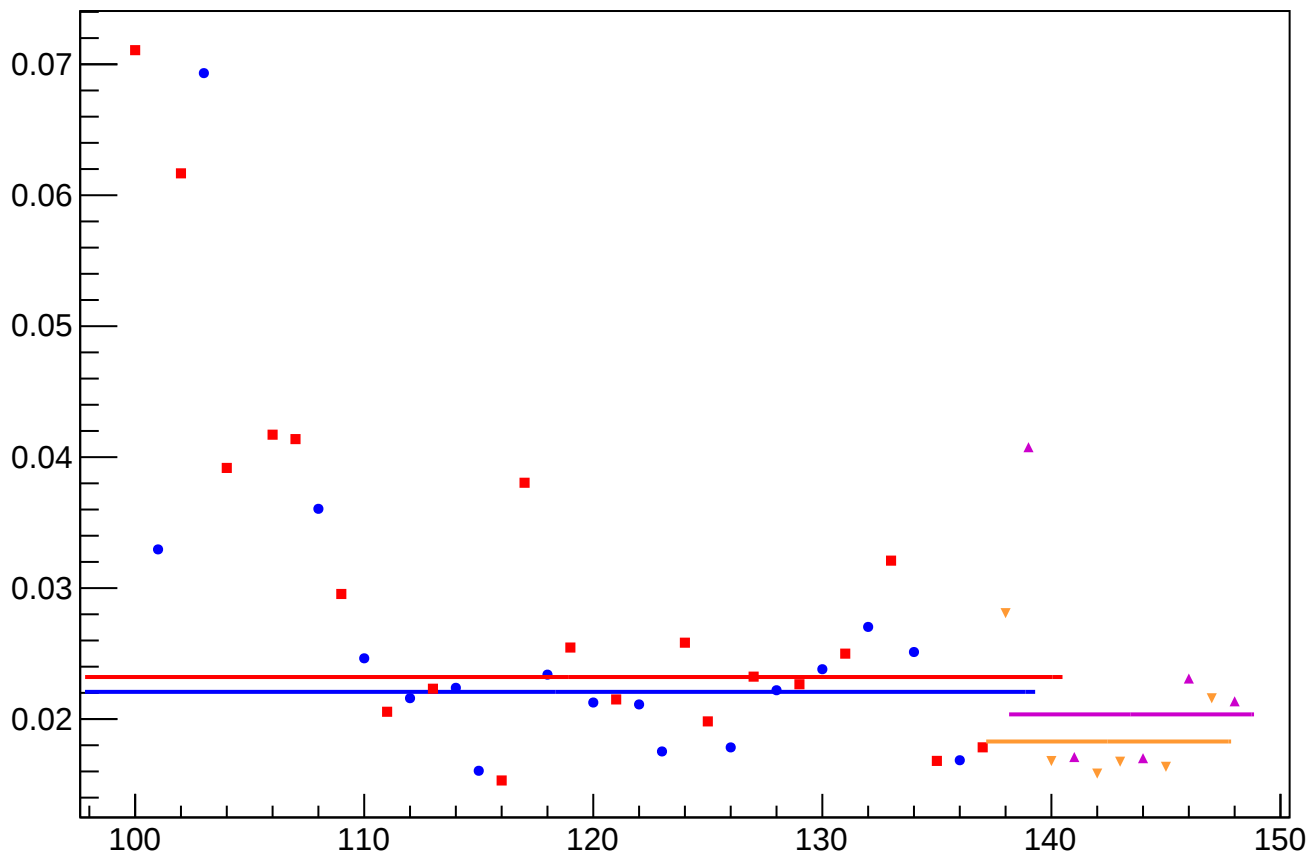
Left In: -0.519+/-0.000 χ^2/NDF : 29501186.0/4

-0.544+/-0.000 χ^2/NDF : 76980264.1/22

-0.543+/-0.000 χ^2/NDF : 178697465.1/47

-0.542+/-0.000 χ^2/NDF : 101684427.6/24

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.018+/-0.000 χ^2/NDF : 218777.2/5

Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

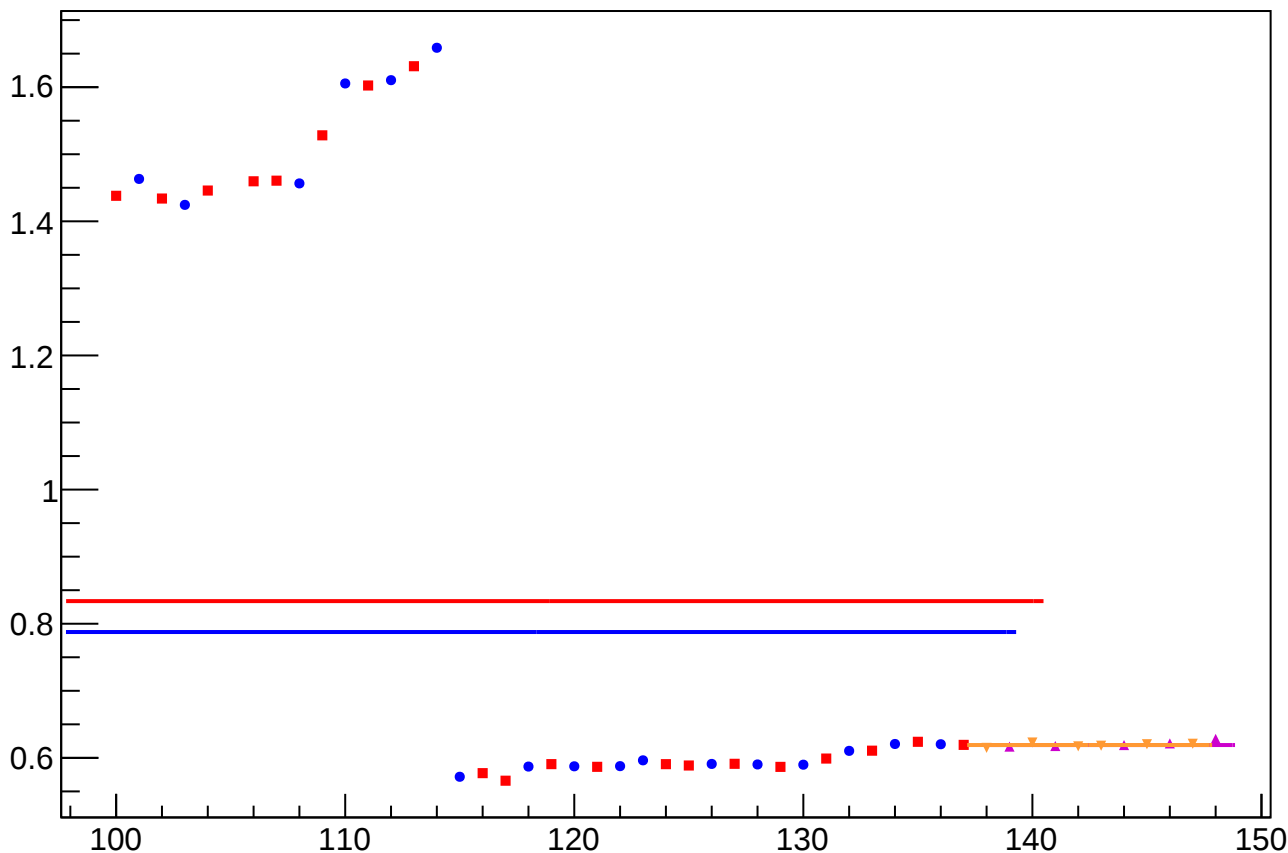
Left In: 0.020+/-0.000 χ^2/NDF : 472475.8/4

0.020+/-0.000 χ^2/NDF : 1310014.6/22

0.021+/-0.000 χ^2/NDF : 3070166.4/47

0.022+/-0.000 χ^2/NDF : 1709580.9/24

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.619 $\pm$ 0.000 χ^2 /NDF:198195.3/5

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4155673215.9/19

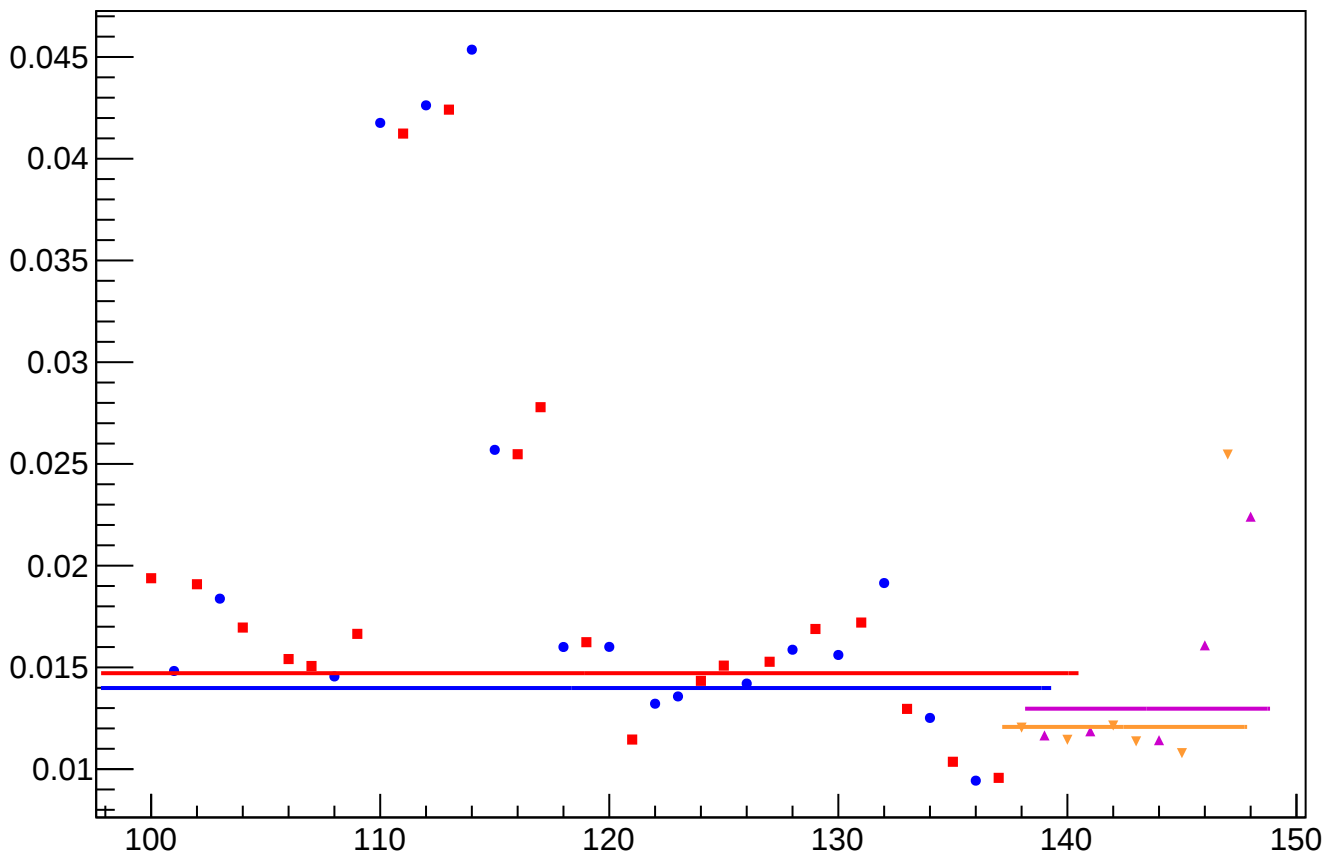
Left In: 0.619 $\pm$ 0.000 χ^2 /NDF:185326.4/4

0.708 $\pm$ 0.000 χ^2 /NDF: 3968198326.8/22

0.723 $\pm$ 0.000 χ^2 /NDF: 8712851753.5/47

0.740 $\pm$ 0.000 χ^2 /NDF: 4718045346.2/24

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 : 441476.1/5

Right Out: 0.015+/-0.000 χ^2/NDF : 1275472.3/19

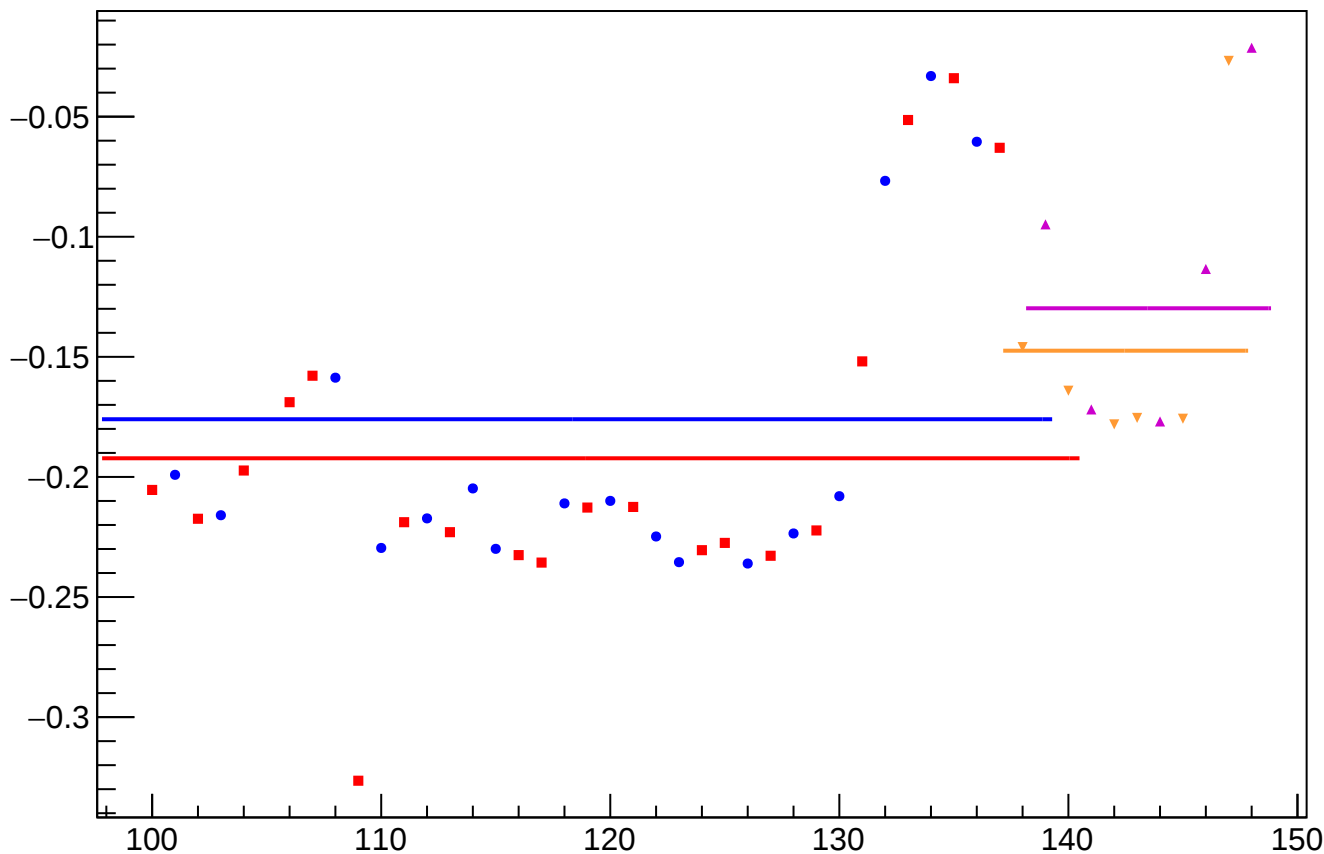
Left In: 0.013+/-0.000 χ^2/NDF : 386568.9/4

0.013+/-0.000 χ^2/NDF : 1939463.3/22

0.013+/-0.000 χ^2/NDF : 3715304.4/47

0.014+/-0.000 χ^2/NDF : 1736368.9/24

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.147+/-0.000 χ^2/NDF : 27529170.7/5

Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

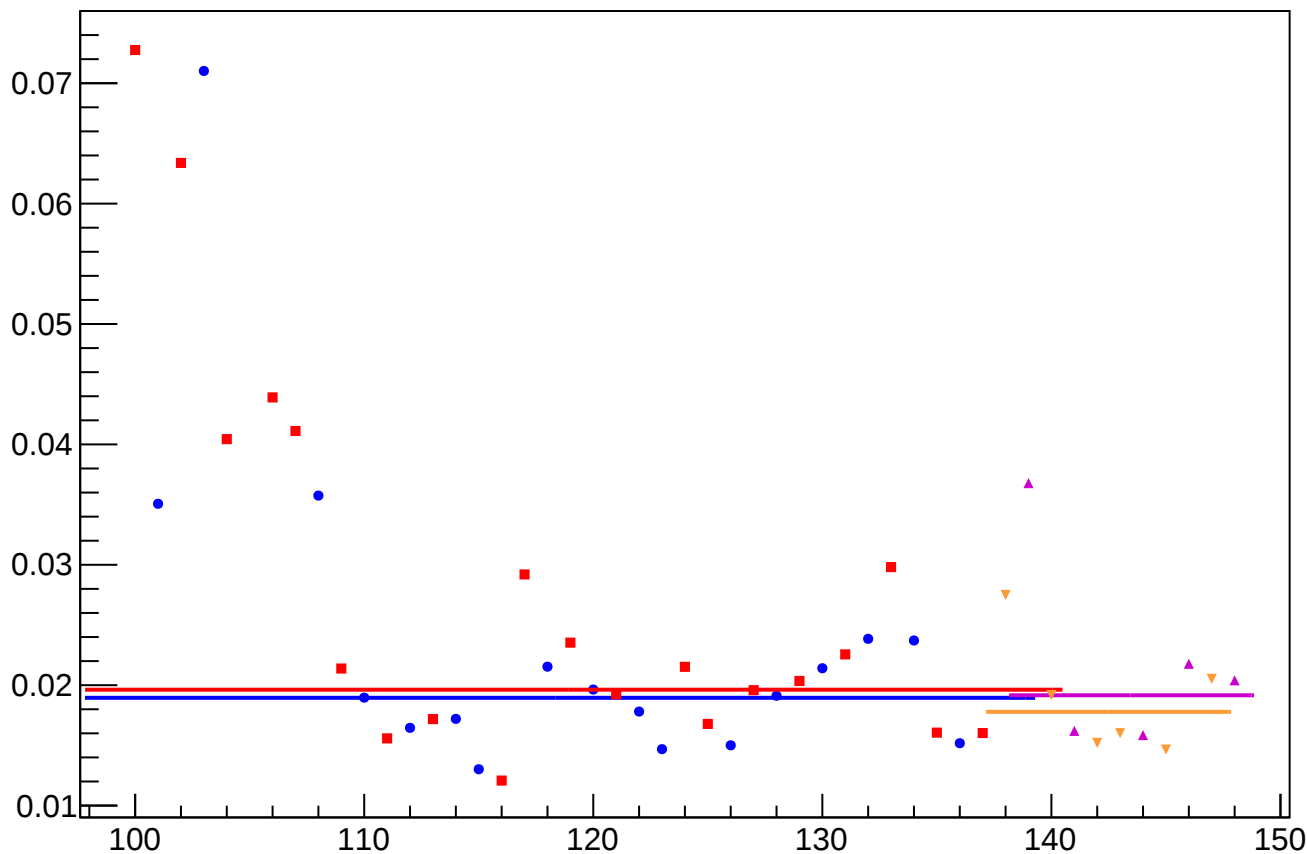
Left In: -0.130+/-0.000 χ^2/NDF : 29217585.7/4

-0.164+/-0.000 χ^2/NDF : 102238344.0/22

-0.166+/-0.000 χ^2/NDF : 234993245.2/47

-0.169+/-0.000 χ^2/NDF : 132545752.8/24

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.018+/-0.000 χ^2/NDF : 260420.4/5

Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

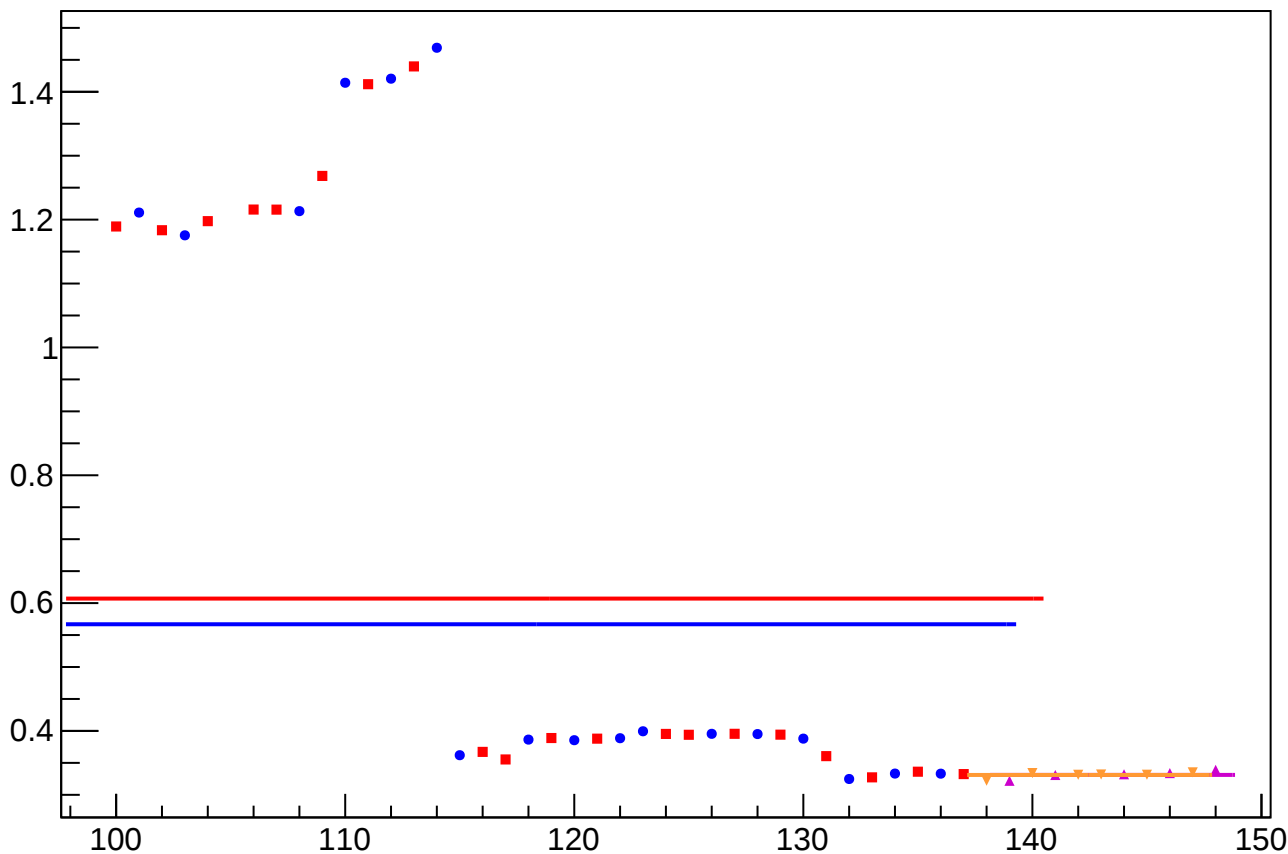
Left In: 0.019+/-0.000 χ^2/NDF : 448097.4/4

0.018+/-0.000 χ^2/NDF : 1479061.3/22

0.019+/-0.000 χ^2/NDF : 3414775.8/47

0.019+/-0.000 χ^2/NDF : 1914293.5/24

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.331+/-0.000 χ^2/NDF : 405165.8/5

Right Out: 0.607+/-0.000 χ^2/NDF : 5509130775.3/19

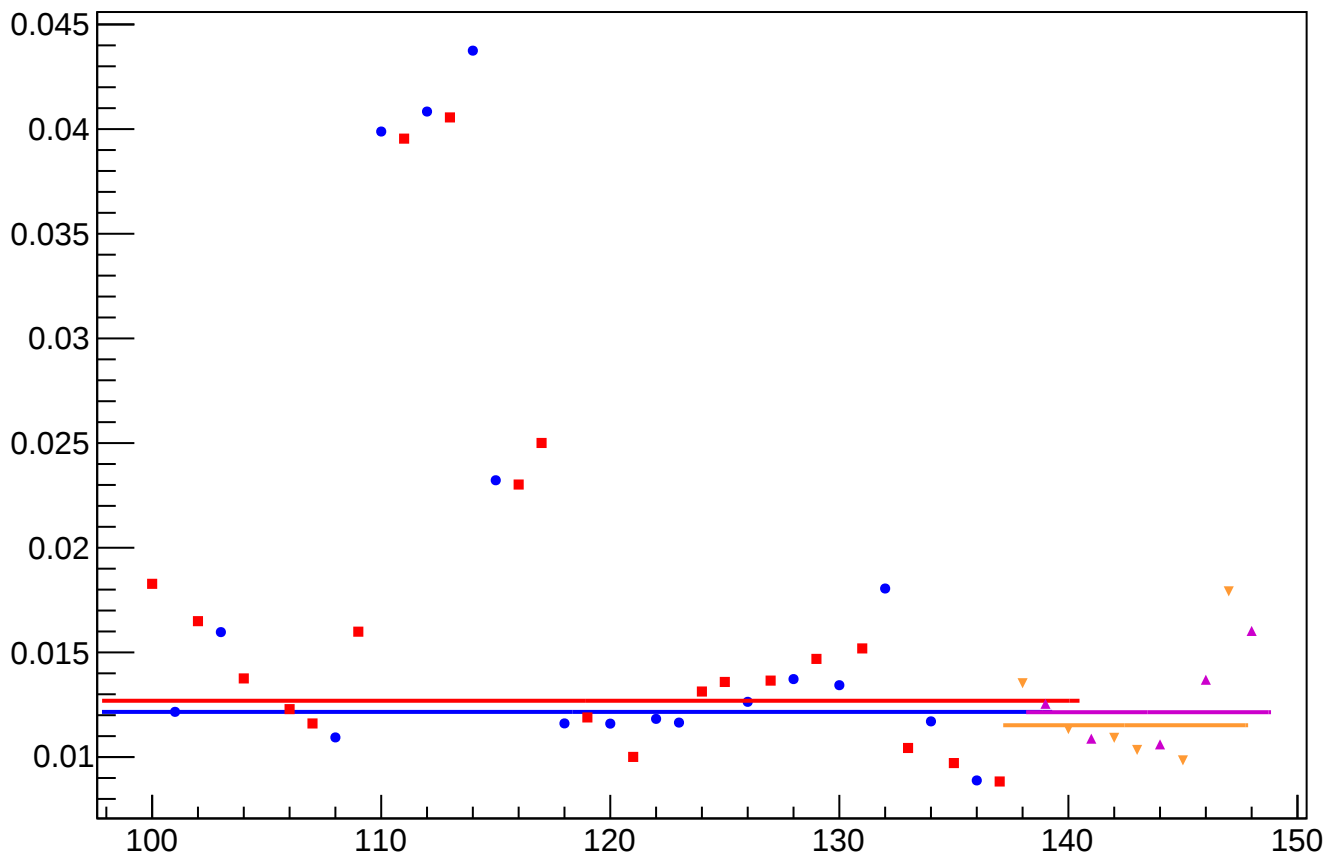
Left In: 0.331+/-0.000 χ^2/NDF : 609117.3/4

0.465+/-0.000 χ^2/NDF : 5927495597.5/22

0.479+/-0.000 χ^2/NDF : 12608851386.7/4

0.494+/-0.000 χ^2/NDF : 6654161138.9/24

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 283821.9/5

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1285911.2/19

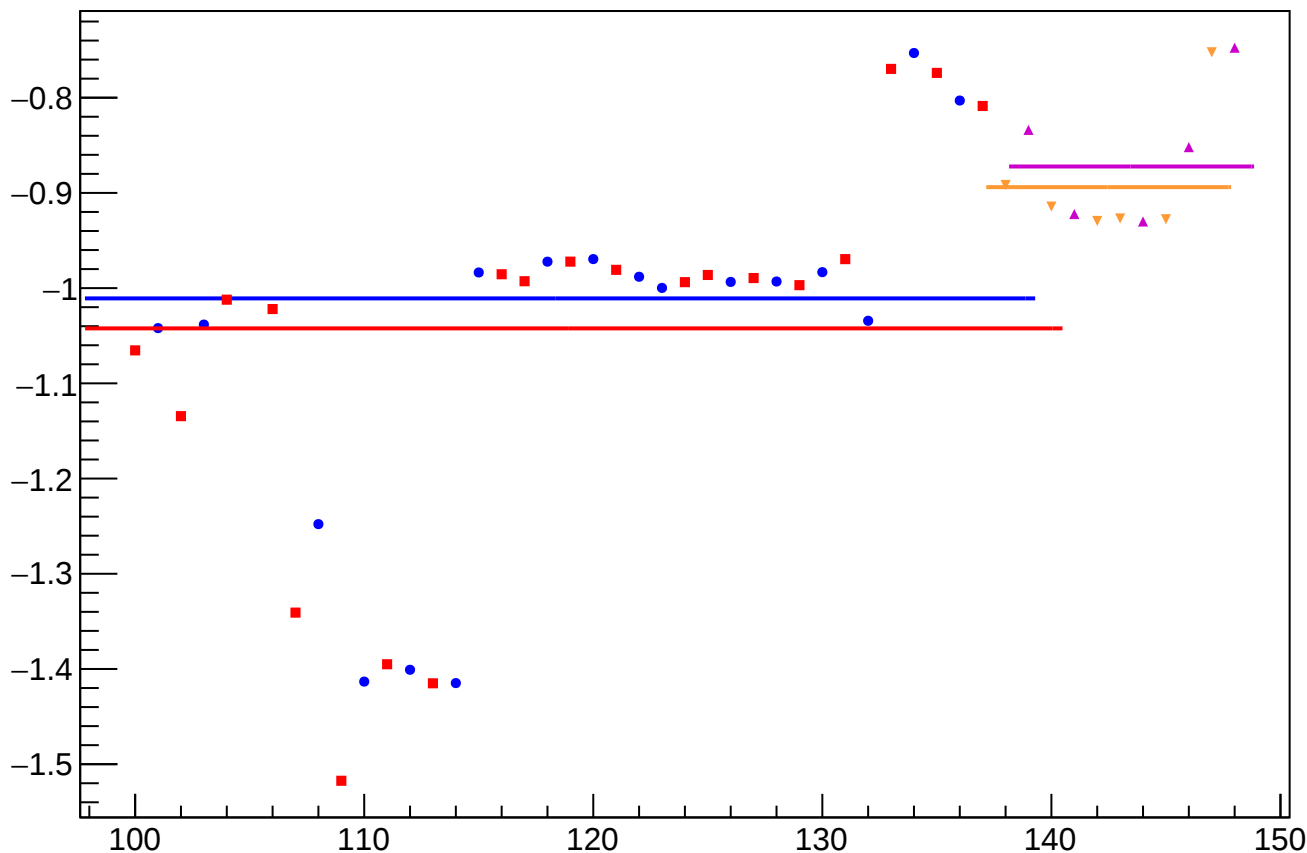
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 166363.2/4

0.012 $\pm$ 0.000 χ^2/NDF : 1605065.2/22

0.012 $\pm$ 0.000 χ^2/NDF : 3088267.2/47

0.012 $\pm$ 0.000 χ^2/NDF : 1461271.4/24

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.894+/-0.000 χ^2/NDF : 35899996.6/5

Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

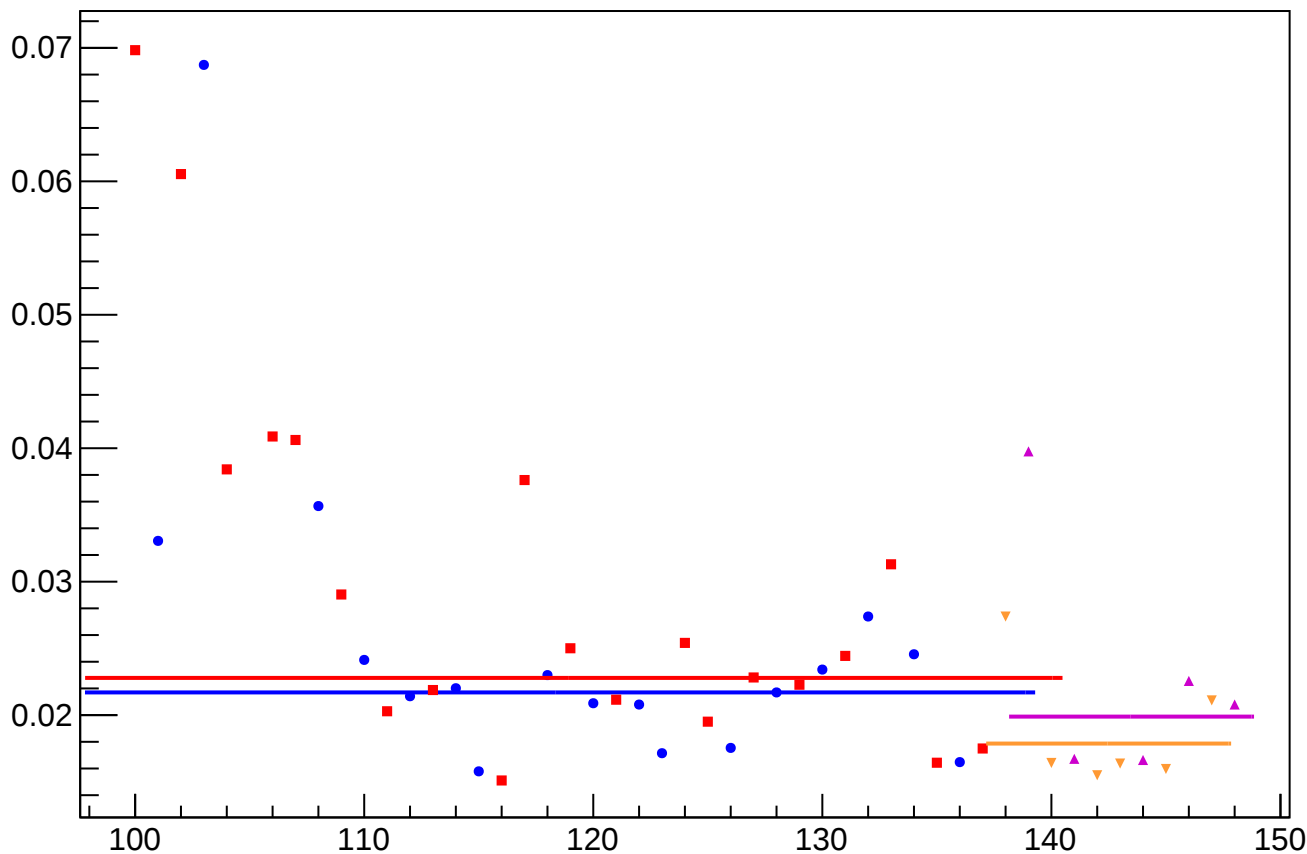
Left In: -0.872+/-0.000 χ^2/NDF : 37538698.9/4

-0.957+/-0.000 χ^2/NDF : 490551148.8/22

-0.963+/-0.000 χ^2/NDF : 1184921693.3/47

-0.970+/-0.000 χ^2/NDF : 692667570.7/24

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.018+/-0.000 χ^2/NDF : 217768.8/5

Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

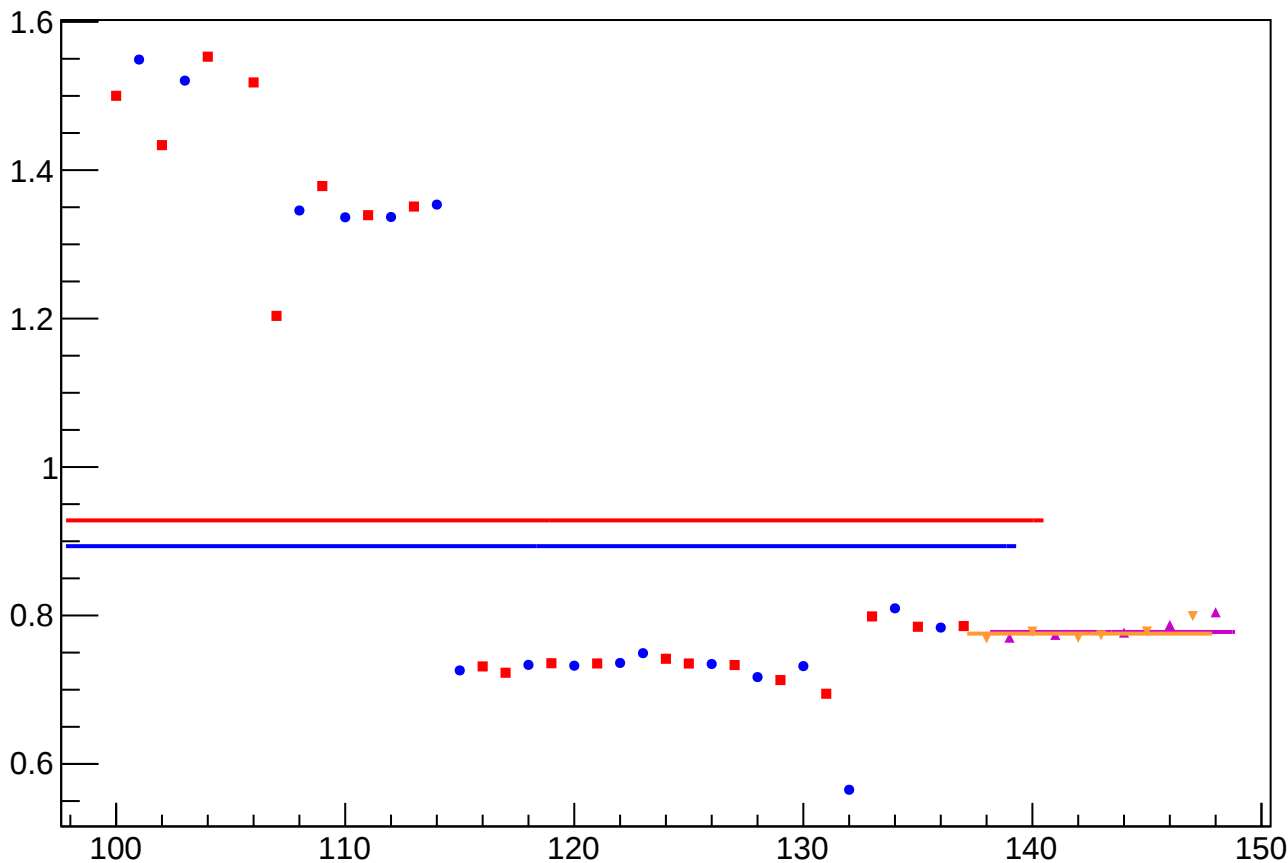
Left In: 0.020+/-0.000 χ^2/NDF : 469981.3/4

0.020+/-0.000 χ^2/NDF : 1342330.3/22

0.021+/-0.000 χ^2/NDF : 3100594.0/47

0.022+/-0.000 χ^2/NDF : 1708210.3/24

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.776+/-0.000 χ^2/NDF : 1050408.7/5

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

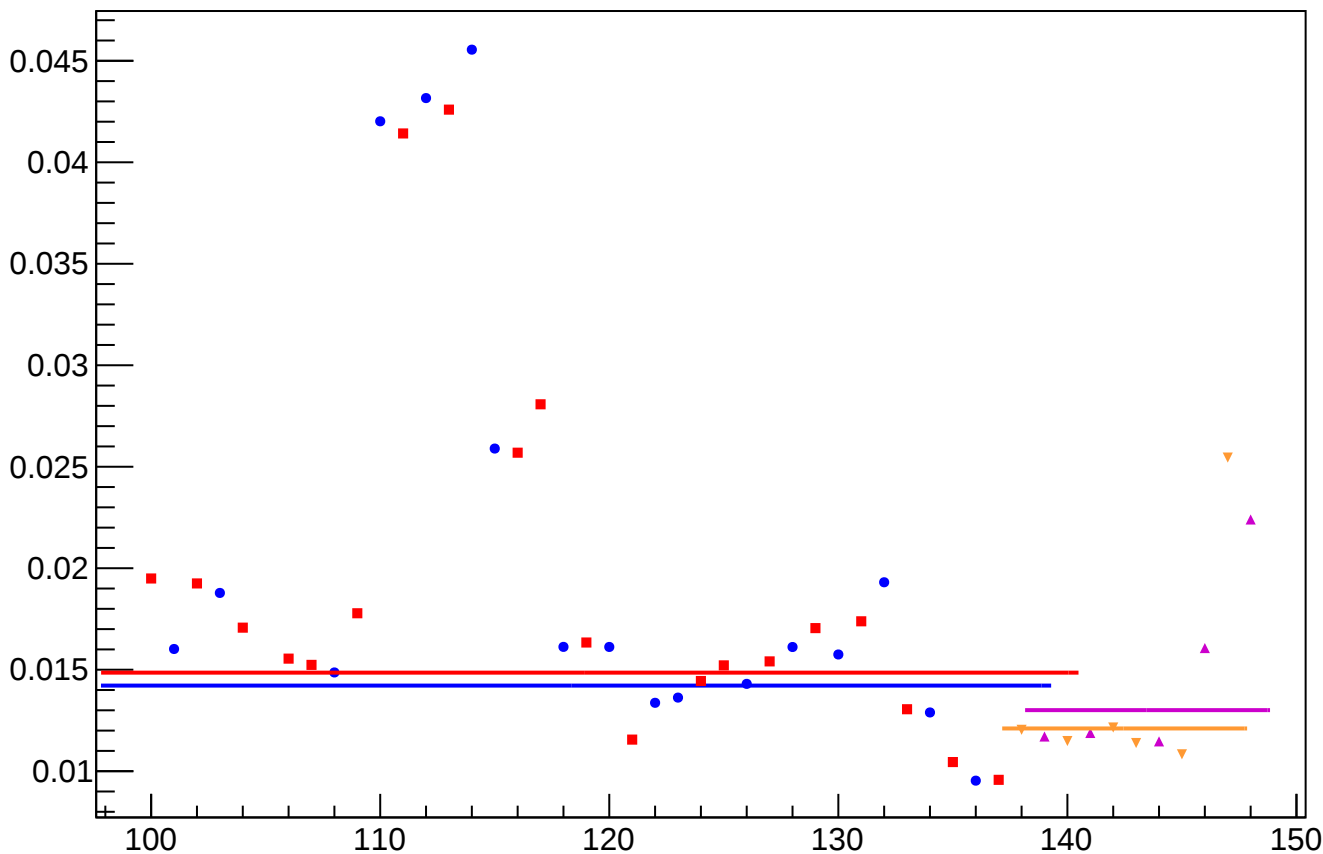
Left In: 0.778+/-0.000 χ^2/NDF : 1714231.9/4

0.837+/-0.000 χ^2/NDF : 2594155808.7/22

0.849+/-0.000 χ^2/NDF : 5321858301.5/47

0.862+/-0.000 χ^2/NDF : 2711696697.0/24

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 : 438071.2/5

Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

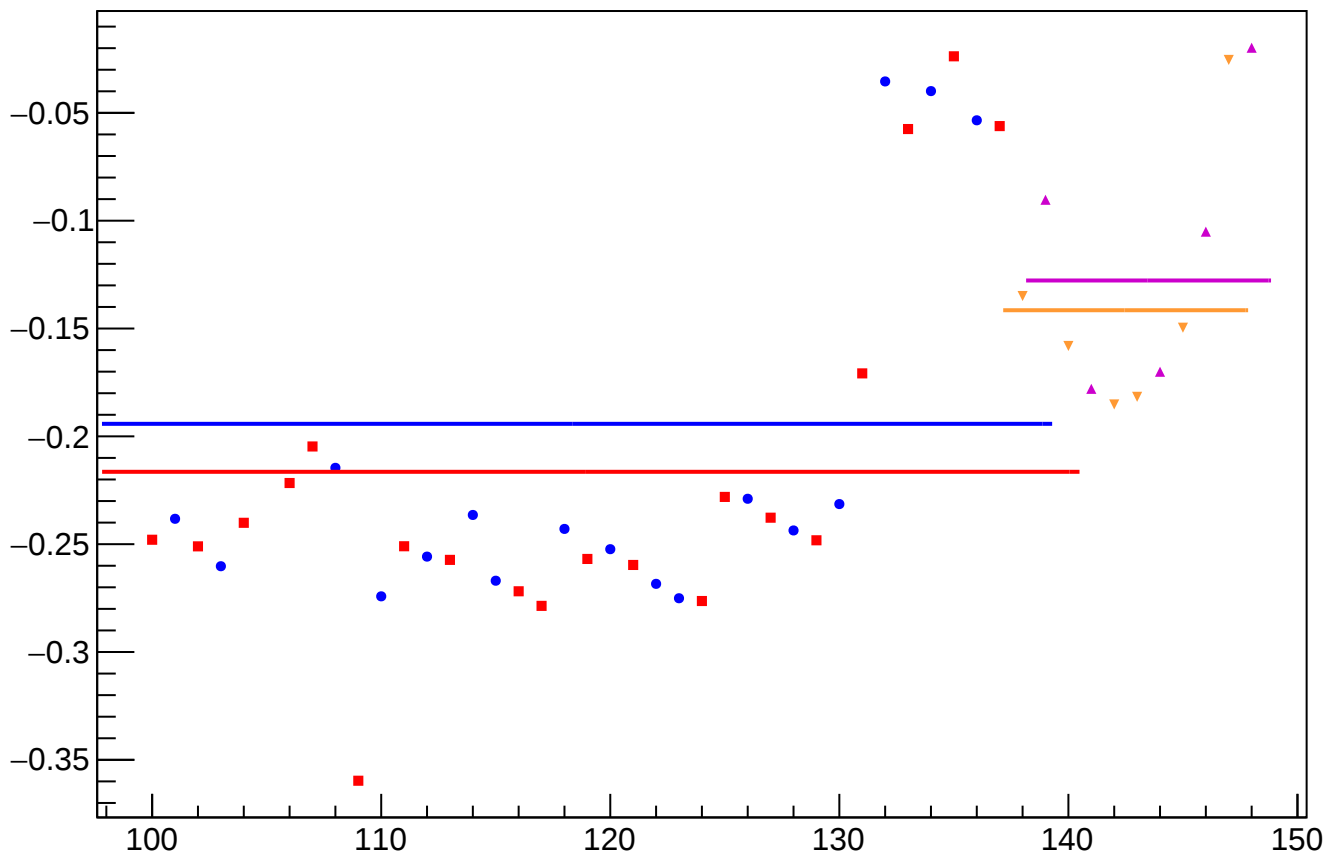
Left In: 0.013+/-0.000 χ^2/NDF : 381651.6/4

0.013+/-0.000 χ^2/NDF : 1966644.6/22

0.014+/-0.000 χ^2/NDF : 3753050.9/47

0.014+/-0.000 χ^2/NDF : 1750414.8/24

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.142+/-0.000 χ^2/NDF : 26476497.7/5

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

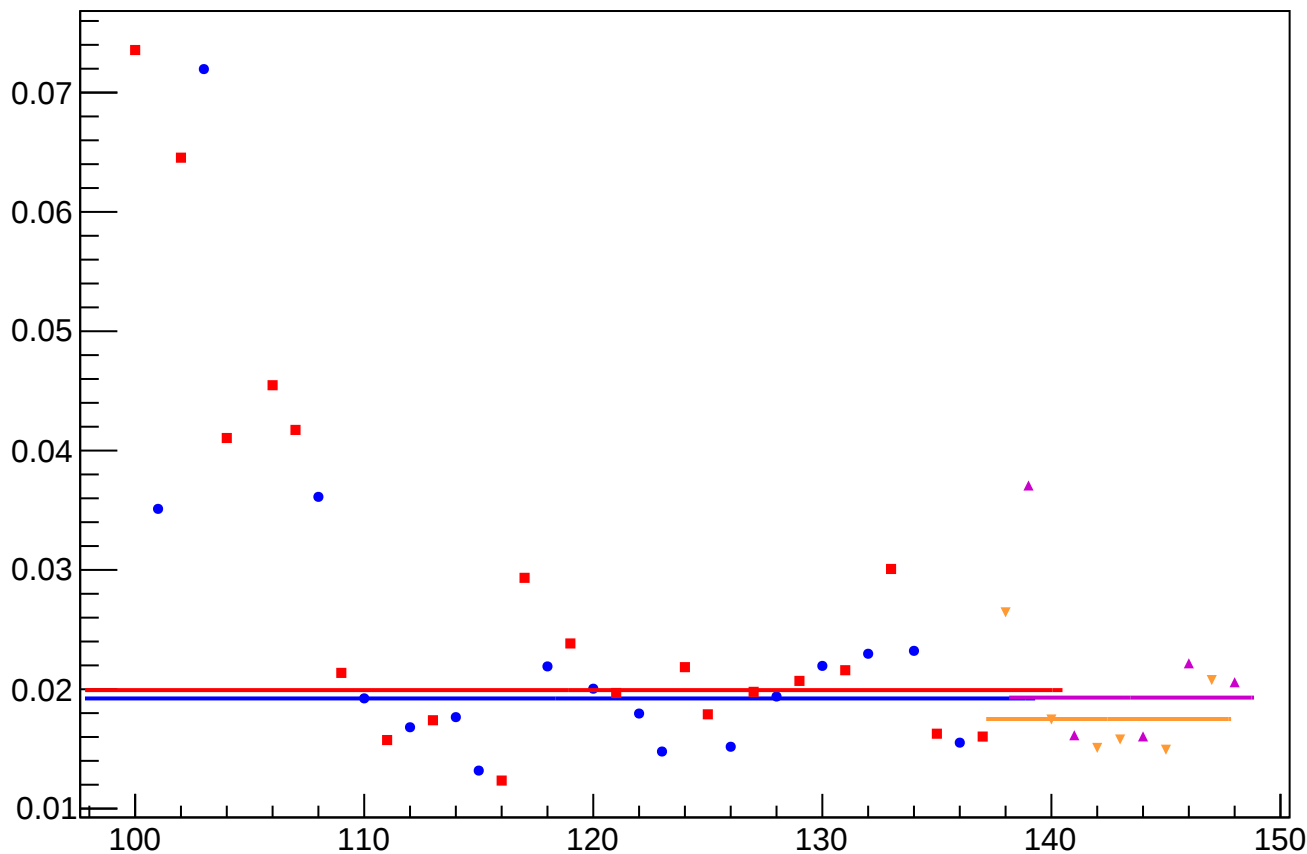
Left In: -0.128+/-0.000 χ^2/NDF : 29612334.5/4

-0.172+/-0.000 χ^2/NDF : 150528392.9/22

-0.177+/-0.000 χ^2/NDF : 332031297.8/47

-0.183+/-0.000 χ^2/NDF : 180287318.3/24

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019 $\pm$ 0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.018 $\pm$ 0.000 χ^2/NDF : 227953.1/5

Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 1452730.4/19

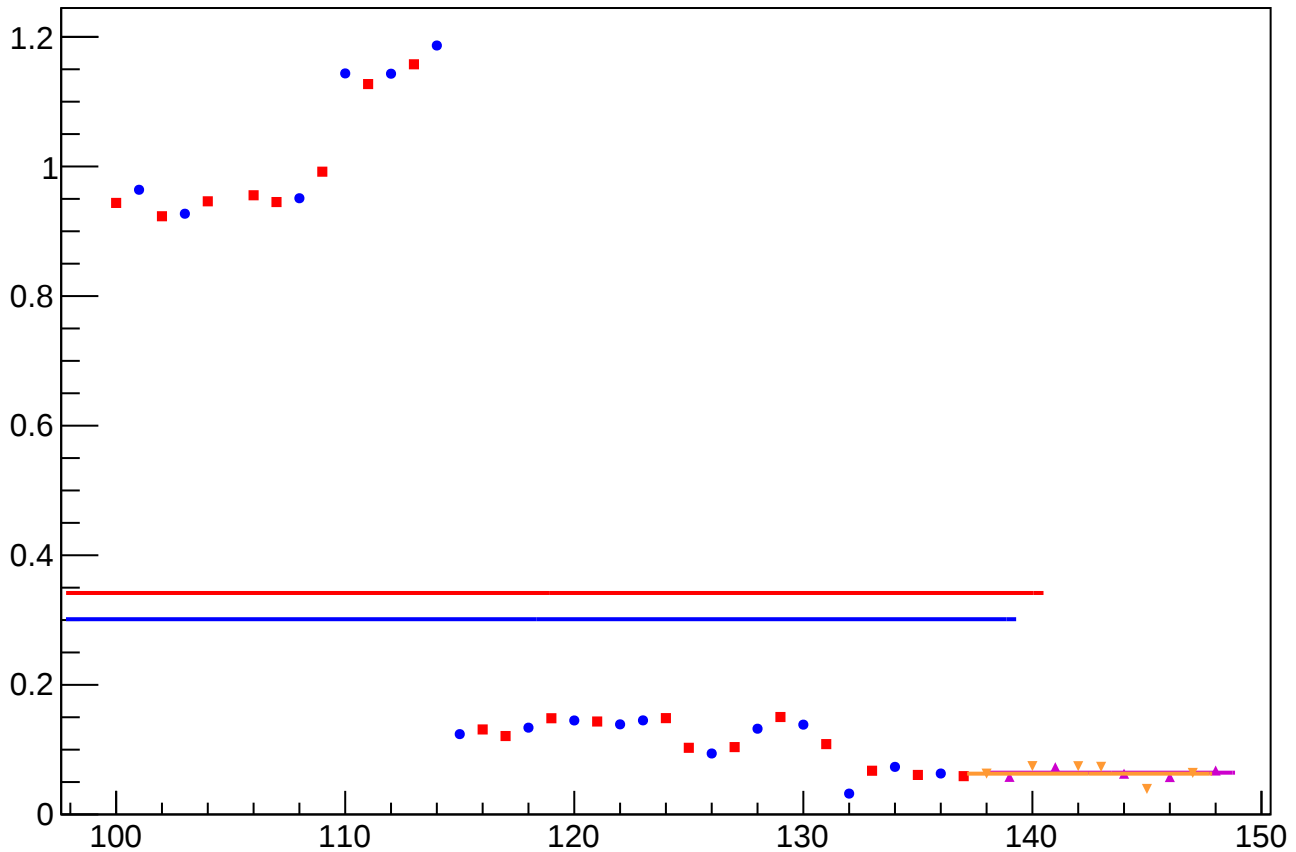
Left In: 0.019 $\pm$ 0.000 χ^2/NDF : 454341.3/4

0.019 $\pm$ 0.000 χ^2/NDF : 1435918.0/22

0.019 $\pm$ 0.000 χ^2/NDF : 3377907.2/47

0.020 $\pm$ 0.000 χ^2/NDF : 1911035.0/24

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 : 6299520.4/5

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

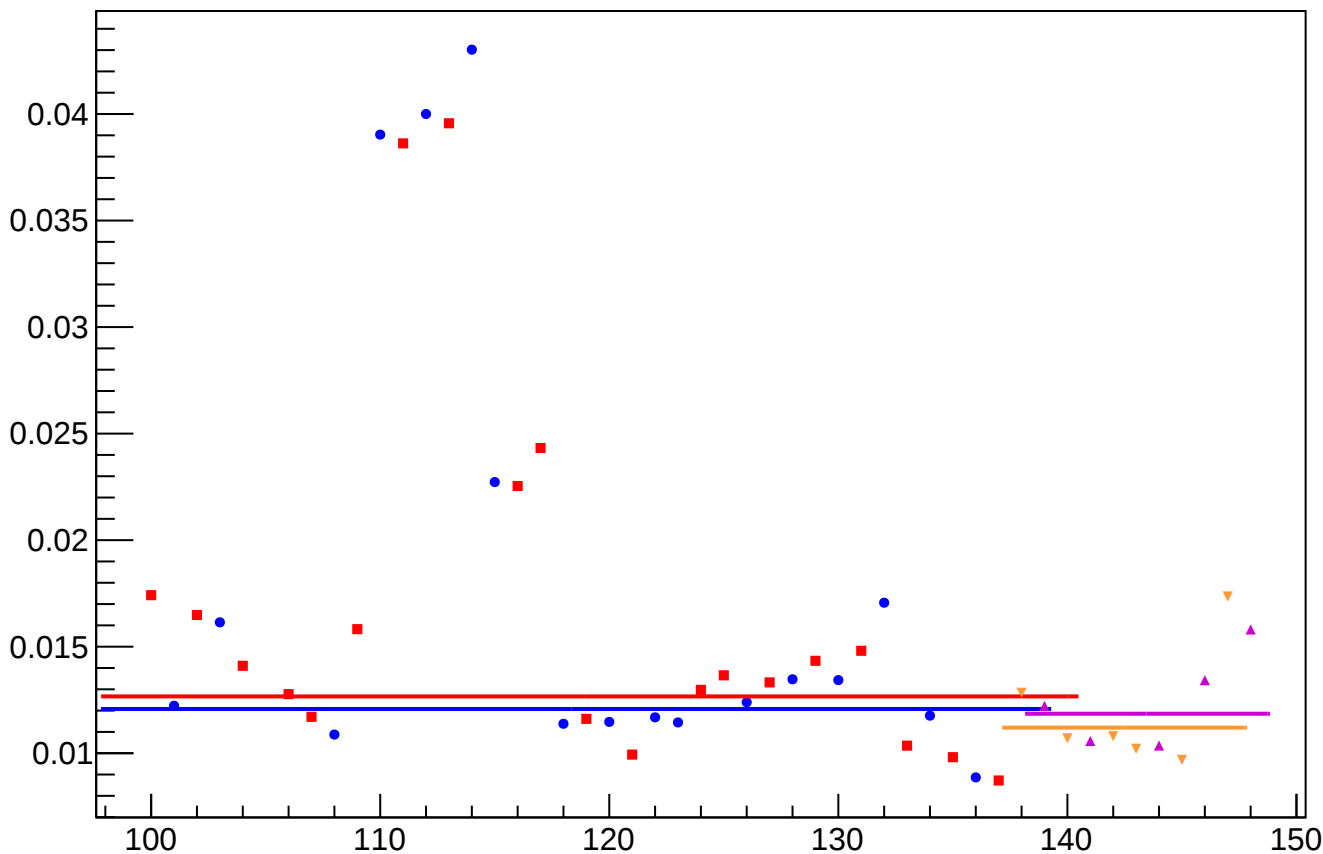
Left In: 0.064+/-0.000 χ^2/NDF : 952602.1/4

0.196+/-0.000 χ^2/NDF : 6127198409.4/22

0.210+/-0.000 χ^2/NDF : 12793566342.9/4

0.225+/-0.000 χ^2/NDF : 6637774402.9/24

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 263242.4/5

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

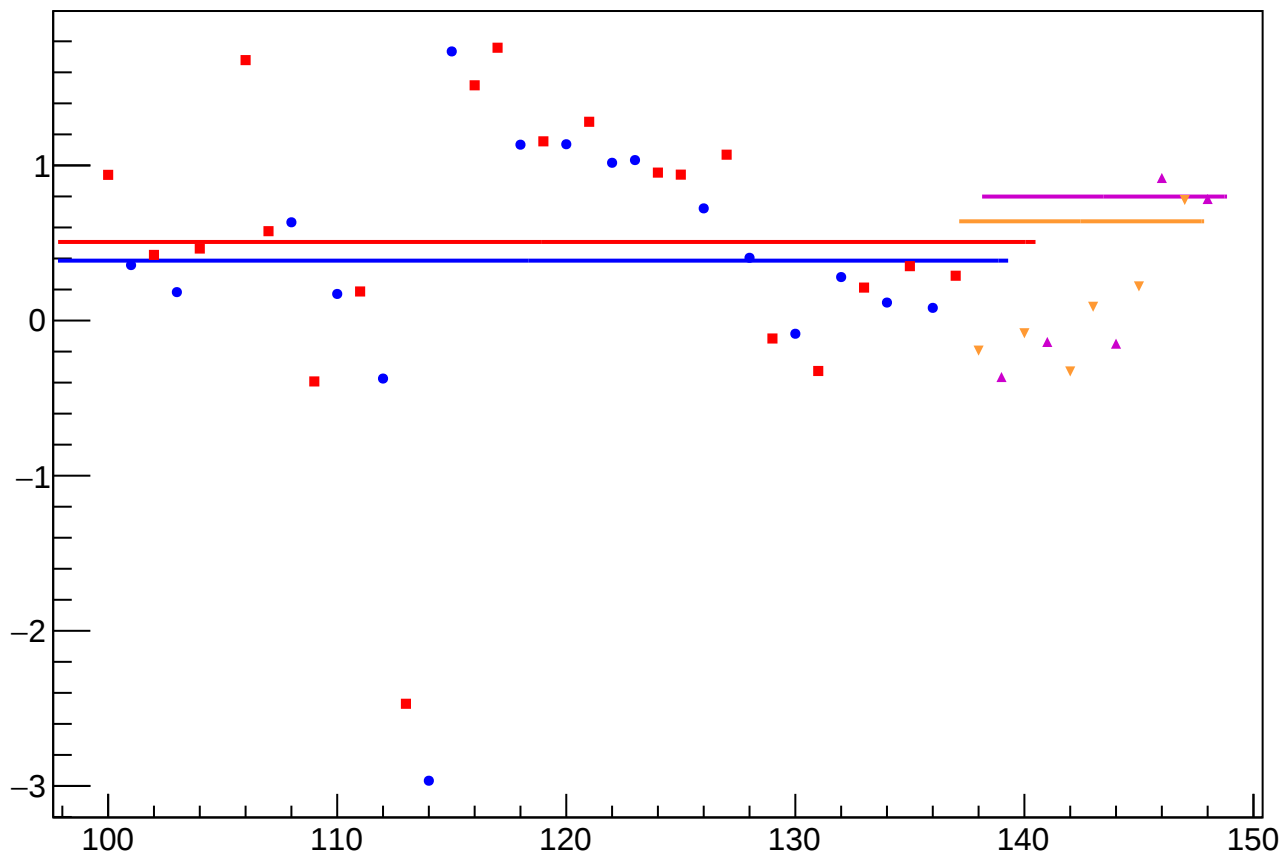
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 175339.2/4

0.012 $\pm$ 0.000 χ^2 /NDF: 1569703.9/22

0.012 $\pm$ 0.000 χ^2 /NDF: 3046092.6/47

0.012 $\pm$ 0.000 χ^2 /NDF: 1449586.6/24

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 $\pm$ 0.000 χ^2/NDF : 246380221.7/16

Left Out: 0.640 $\pm$ 0.000 χ^2/NDF : 273341067.8/5

Right Out: 0.507 $\pm$ 0.000 χ^2/NDF : 995373603.6/19

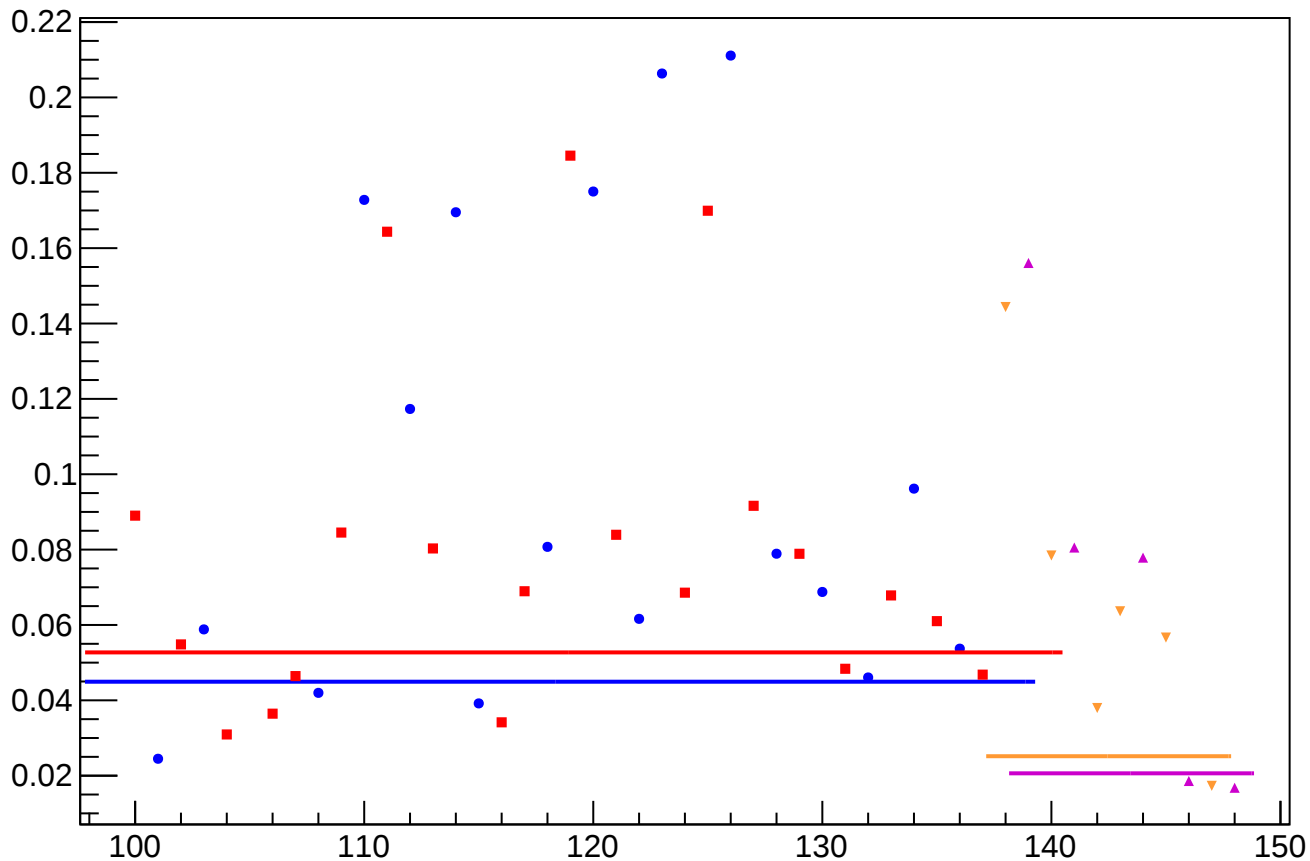
Left In: 0.799 $\pm$ 0.000 χ^2/NDF : 205652230.7/4

0.542 $\pm$ 0.000 χ^2/NDF : 588711075.5/22

0.646 $\pm$ 0.000 χ^2/NDF : 1972209455.7/47

0.726 $\pm$ 0.000 χ^2/NDF : 1296866313.0/24

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.025+/-0.000 χ^2/NDF : 2249631.7/5

Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

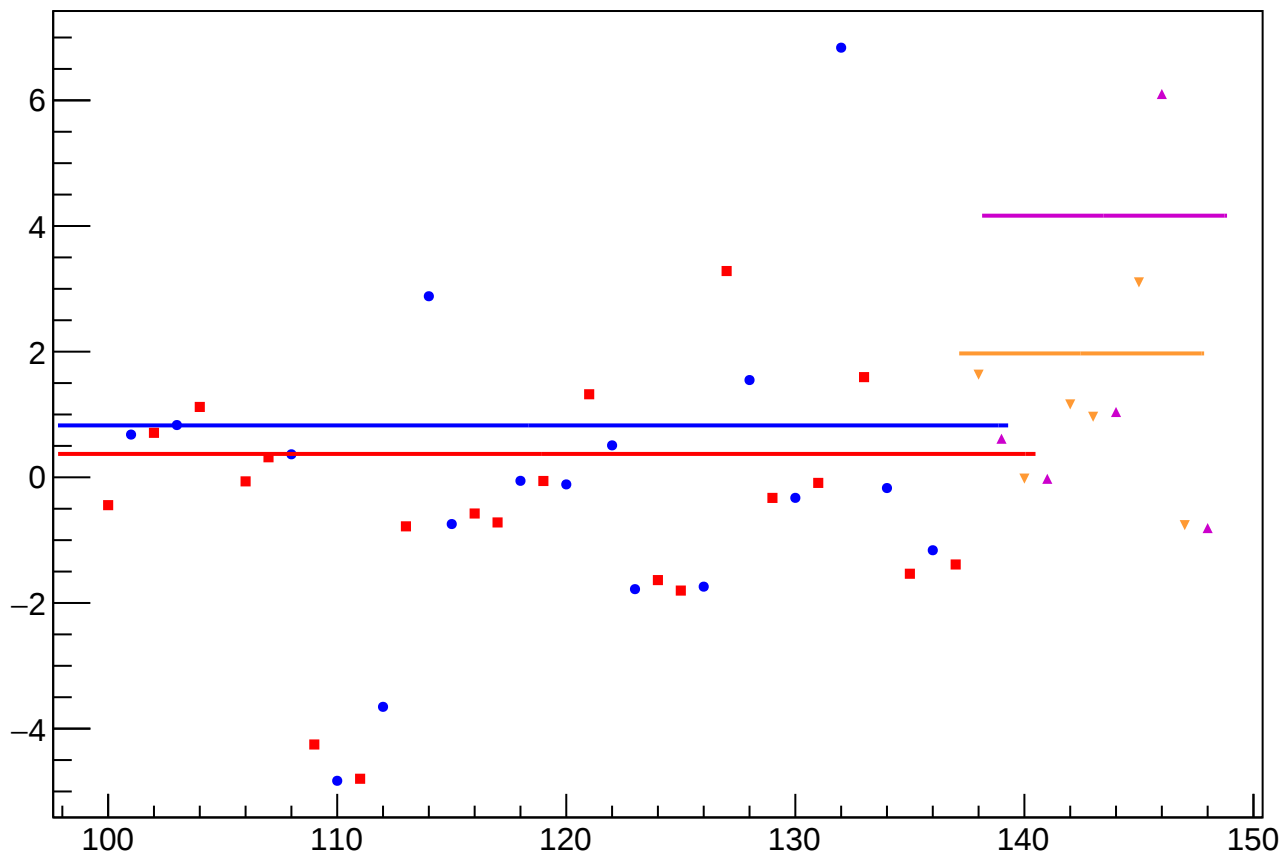
Left In: 0.021+/-0.000 χ^2/NDF : 2146284.4/4

0.033+/-0.000 χ^2/NDF : 5877333.3/22

0.030+/-0.000 χ^2/NDF : 12609782.2/47

0.029+/-0.000 χ^2/NDF : 6646837.5/24

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 ± 0.000 χ^2/NDF : 10945455664.9/16

Left Out: 1.972 ± 0.000 χ^2/NDF : 11276395532.5/5

Right Out: 0.372 ± 0.000 χ^2/NDF : 4960201861.0/19

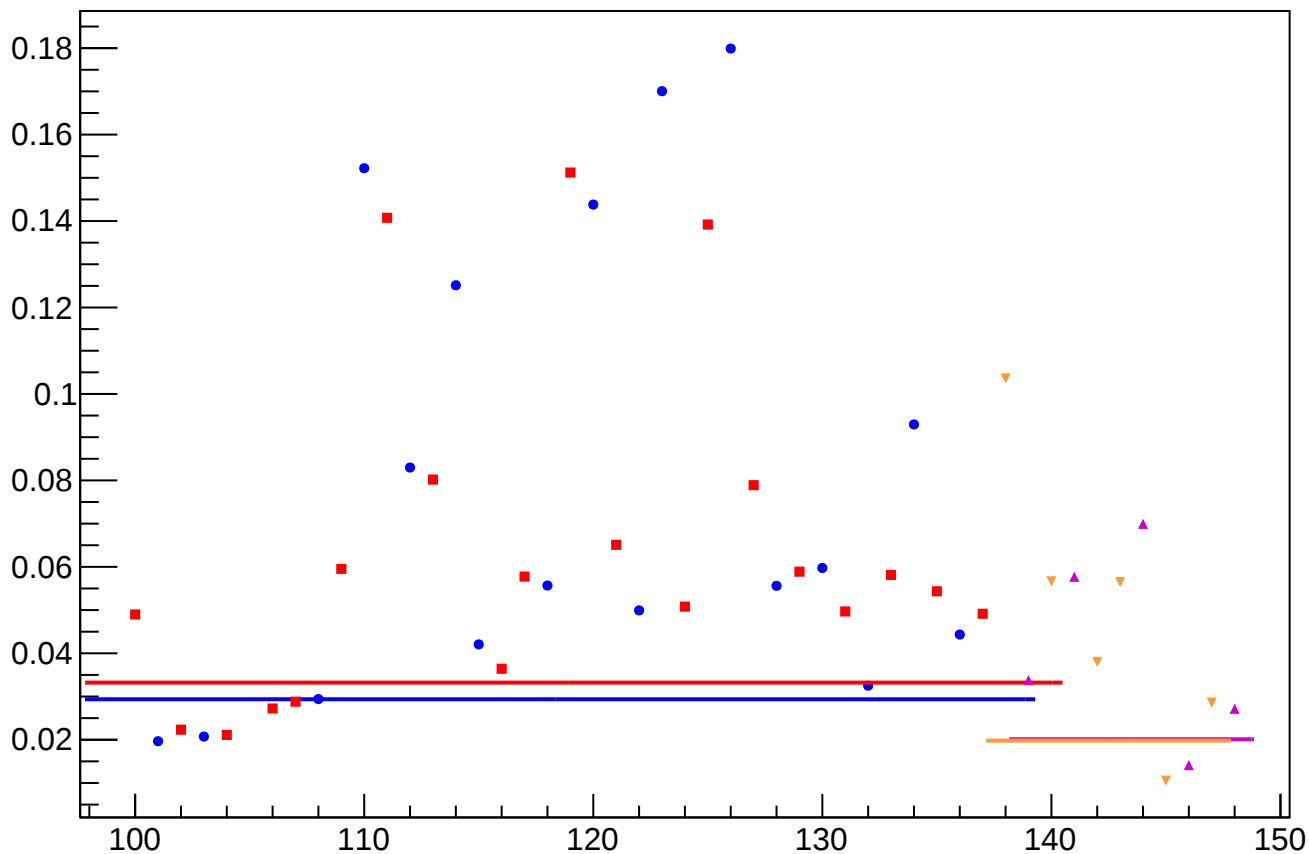
Left In: 4.164 ± 0.000 χ^2/NDF : 44224955479.1/4

1.414 ± 0.000 χ^2/NDF : 24868637617.5/22

2.013 ± 0.000 χ^2/NDF : 109161621934.8/

2.587 ± 0.000 χ^2/NDF : 78613951094.7/24

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2/NDF : 2243915.3/5

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3112299.1/19

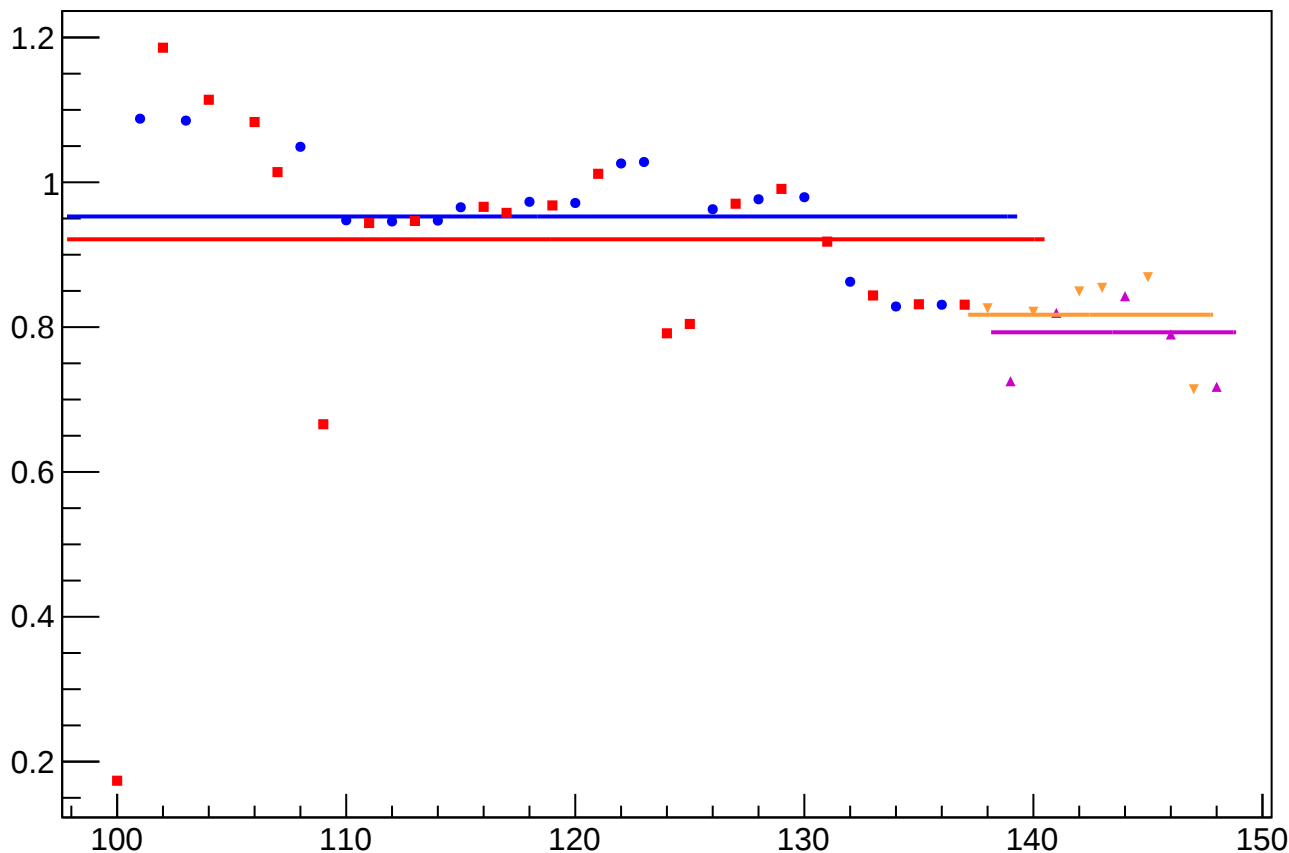
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 1373781.6/4

0.024 $\pm$ 0.000 χ^2/NDF : 5599532.3/22

0.025 $\pm$ 0.000 χ^2/NDF : 10798716.1/47

0.026 $\pm$ 0.000 χ^2/NDF : 5189211.0/24

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.817 $\pm$ 0.000 χ^2/NDF : 70581787.3/5

Right Out: 0.921 $\pm$ 0.000 χ^2/NDF : 374306248.8/19

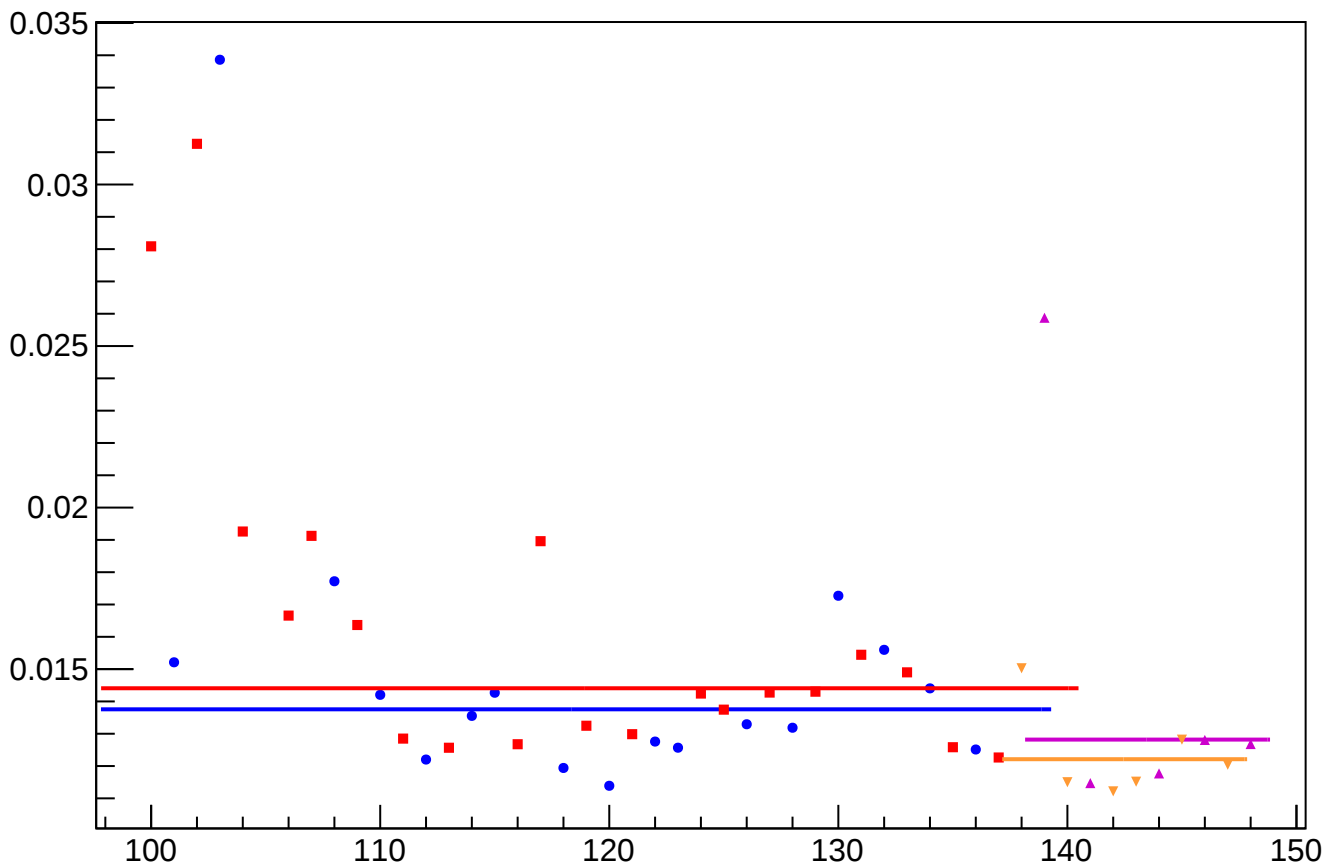
Left In: 0.793 $\pm$ 0.000 χ^2/NDF : 47578951.7/4

0.894 $\pm$ 0.000 χ^2/NDF : 487098721.7/22

0.882 $\pm$ 0.000 χ^2/NDF : 1128015362.9/47

0.868 $\pm$ 0.000 χ^2/NDF : 622958960.1/24

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 538469.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 58630.5/5

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 508622.9/19

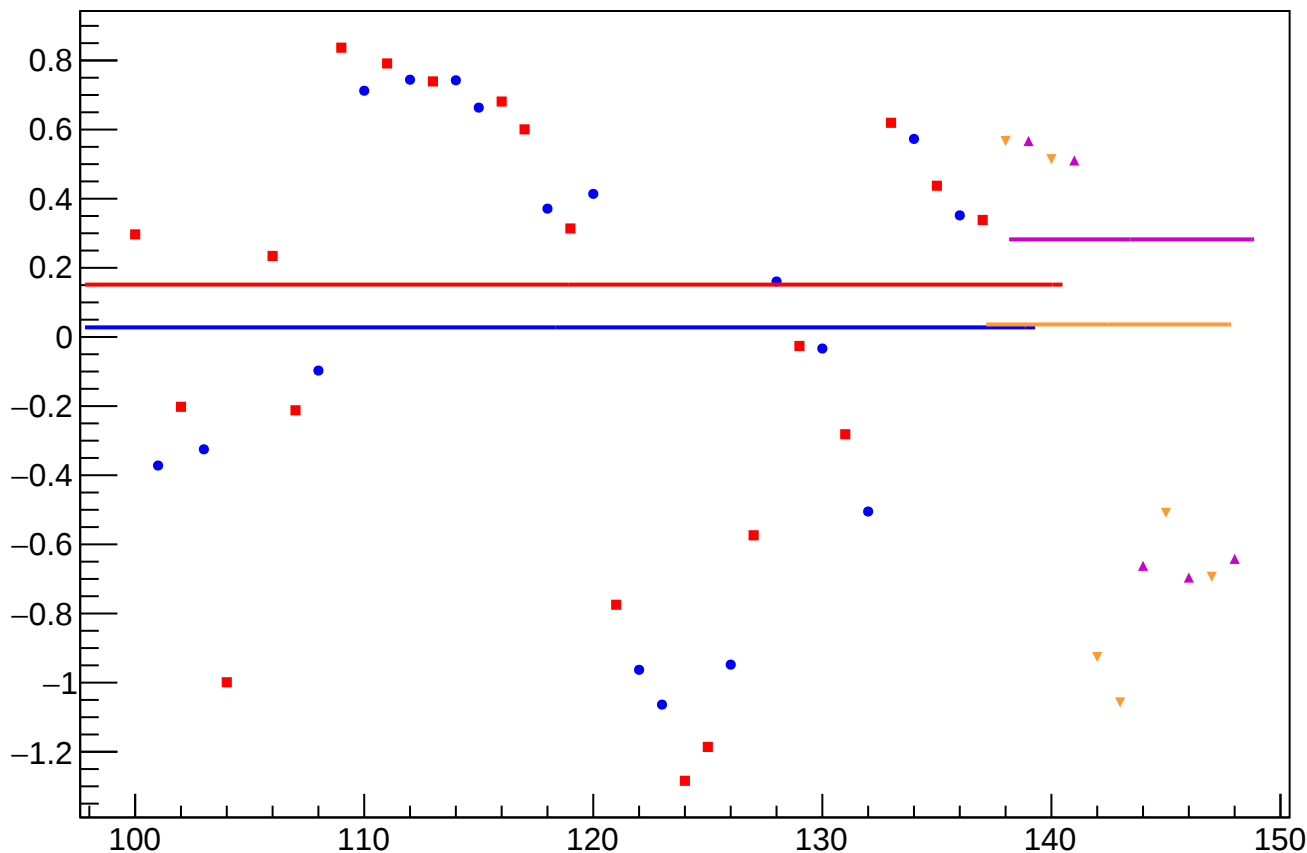
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 387953.3/4

0.013 $\pm$ 0.000 χ^2/NDF : 659471.1/22

0.013 $\pm$ 0.000 χ^2/NDF : 1640036.4/47

0.014 $\pm$ 0.000 χ^2/NDF : 958137.7/24

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.036 $\pm$ 0.000 χ^2 /NDF: 15027296500.2/5

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12665480117.0/19

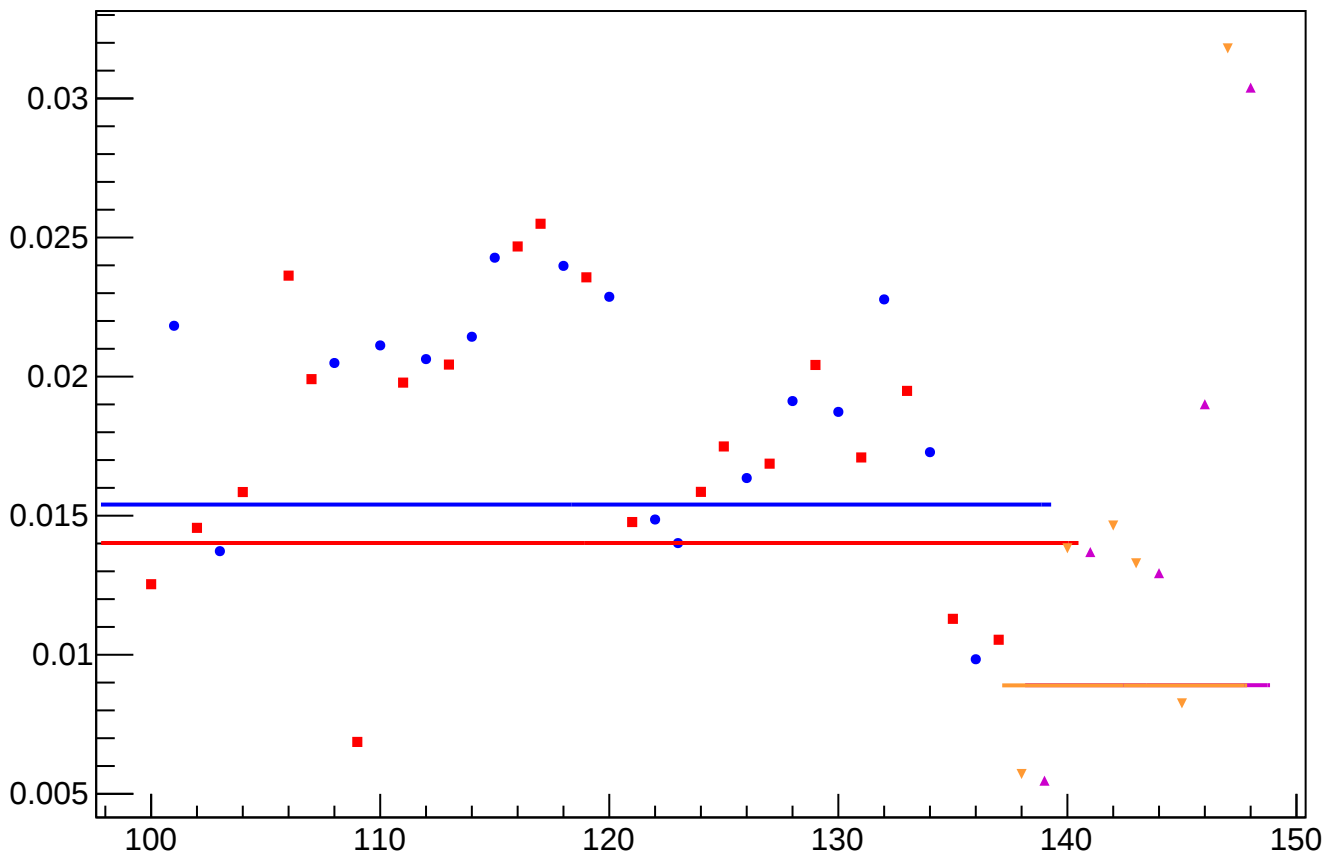
Left In: 0.282 $\pm$ 0.000 χ^2 /NDF: 9055840978.6/4

0.033 $\pm$ 0.000 χ^2 /NDF: 21305282676.9/22

0.130 $\pm$ 0.000 χ^2 /NDF: 44412099248.9/4

0.223 $\pm$ 0.000 χ^2 /NDF: 21989013947.2/24

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 1605394.6/5

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1576882.7/19

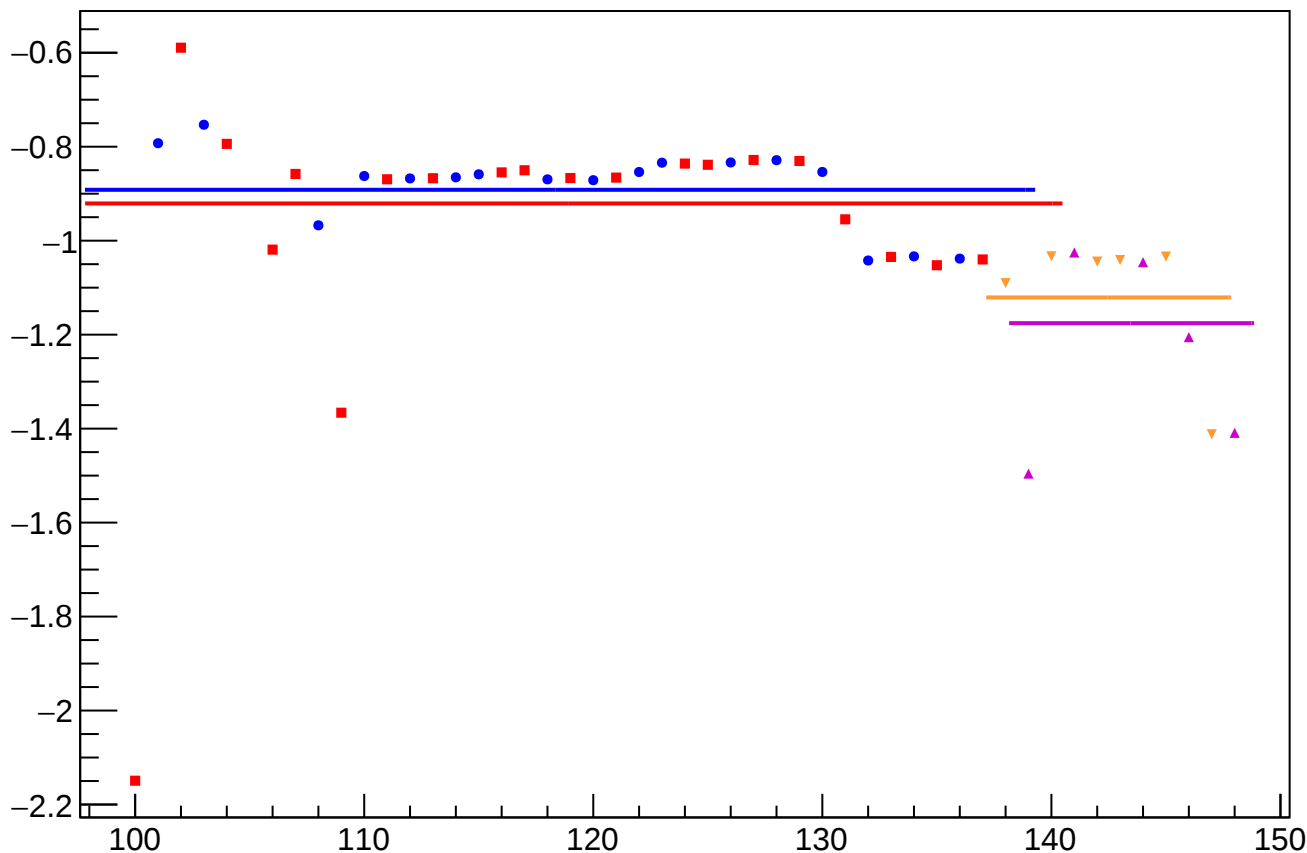
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 2043491.4/4

0.011 $\pm$ 0.000 χ^2/NDF : 3966679.4/22

0.011 $\pm$ 0.000 χ^2/NDF : 8406832.4/47

0.011 $\pm$ 0.000 χ^2/NDF : 4437605.5/24

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.121+/-0.000 χ^2/NDF : 79142980.6/5

Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

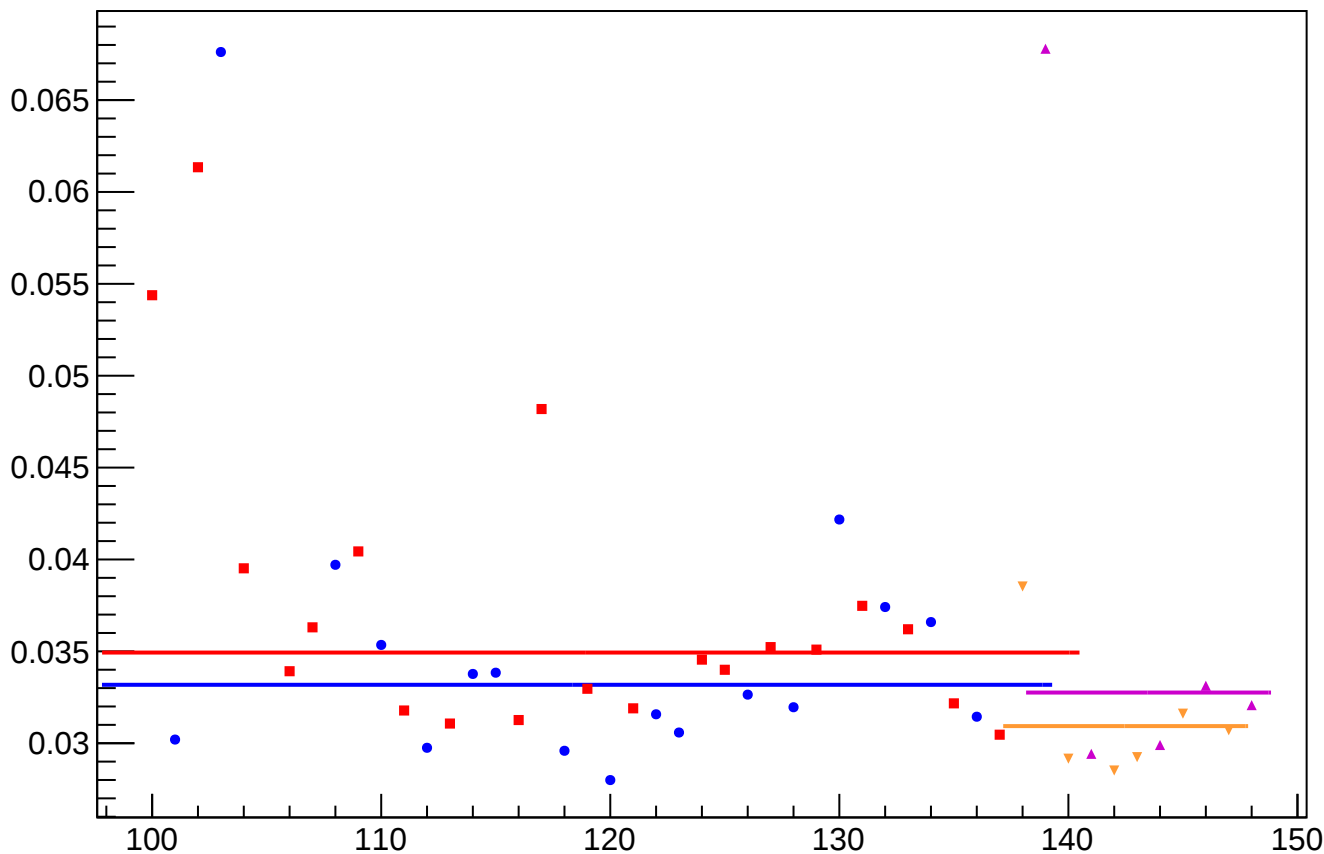
Left In: -1.176+/-0.000 χ^2/NDF : 86603970.8/4

-0.984+/-0.000 χ^2/NDF : 230155825.0/22

-1.001+/-0.000 χ^2/NDF : 579937320.0/47

-1.019+/-0.000 χ^2/NDF : 344503750.9/24

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 59906.3/5

Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

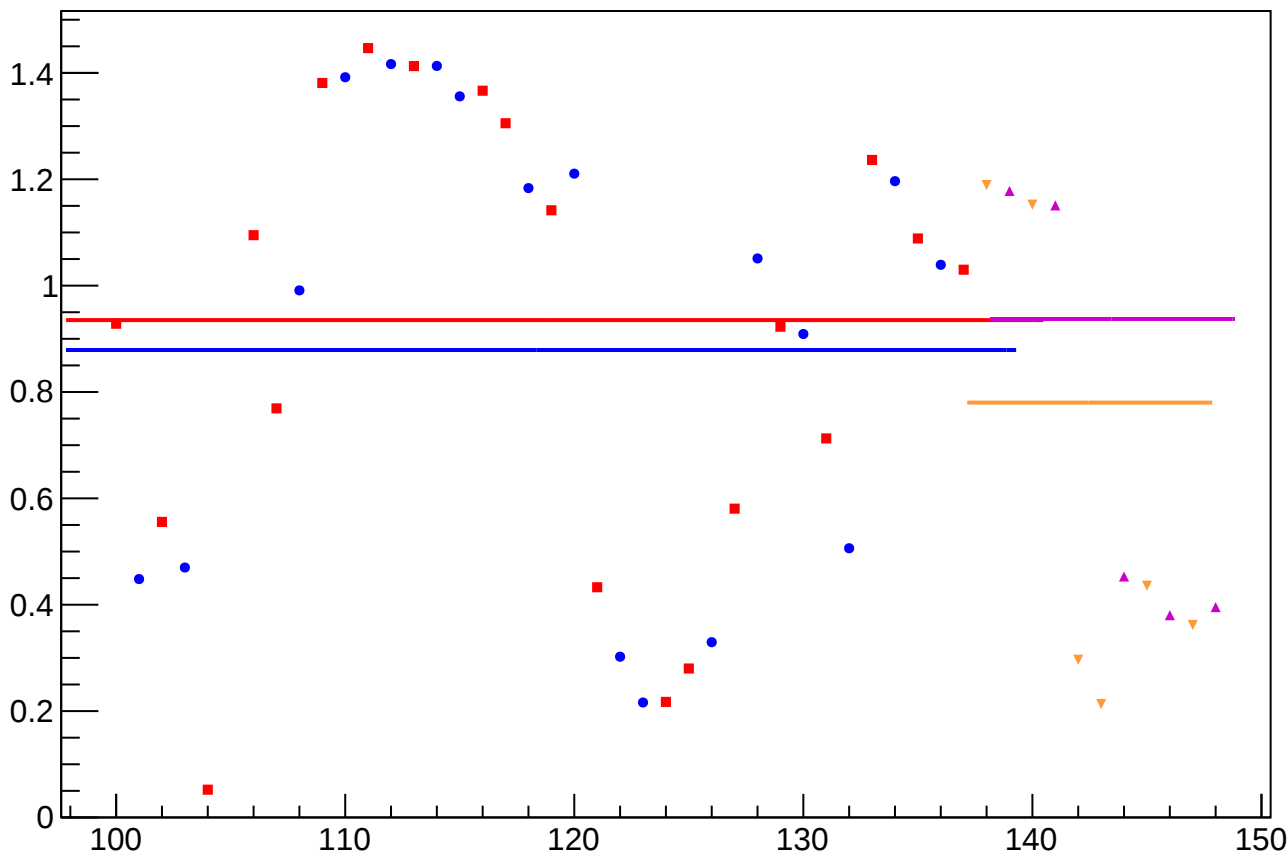
Left In: 0.033+/-0.000 χ^2/NDF : 406118.0/4

0.032+/-0.000 χ^2/NDF : 481424.4/22

0.033+/-0.000 χ^2/NDF : 1215473.1/47

0.034+/-0.000 χ^2/NDF : 705863.6/24

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 $\pm$ 0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.780 $\pm$ 0.000 χ^2/NDF : 10836319696.6/5

Right Out: 0.935 $\pm$ 0.000 χ^2/NDF : 9844960466.1/19

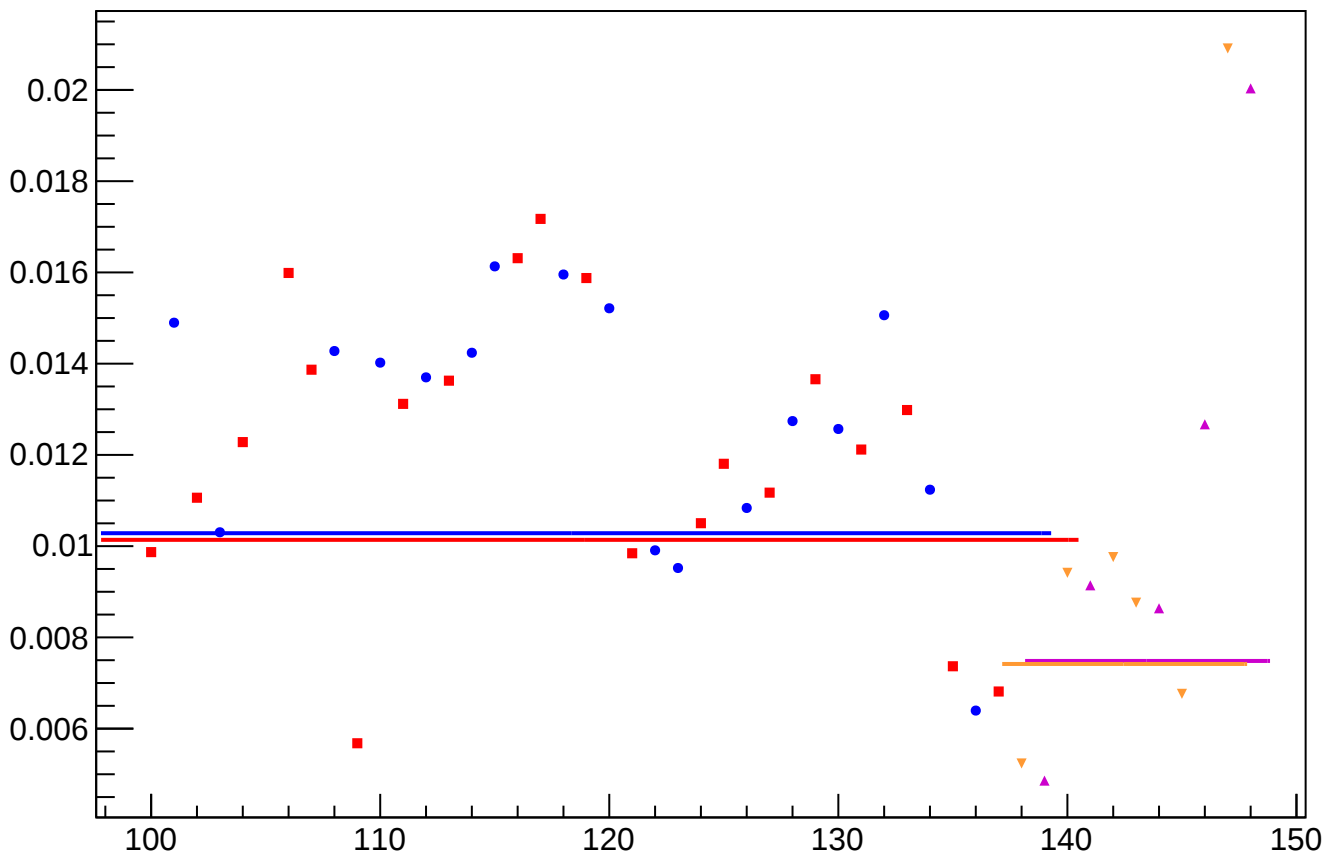
Left In: 0.937 $\pm$ 0.000 χ^2/NDF : 6646911245.1/4

0.826 $\pm$ 0.000 χ^2/NDF : 17484829466.0/22

0.881 $\pm$ 0.000 χ^2/NDF : 34669538844.4/4

0.936 $\pm$ 0.000 χ^2/NDF : 16491996887.1/24

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1011691.3/5

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1189529.0/19

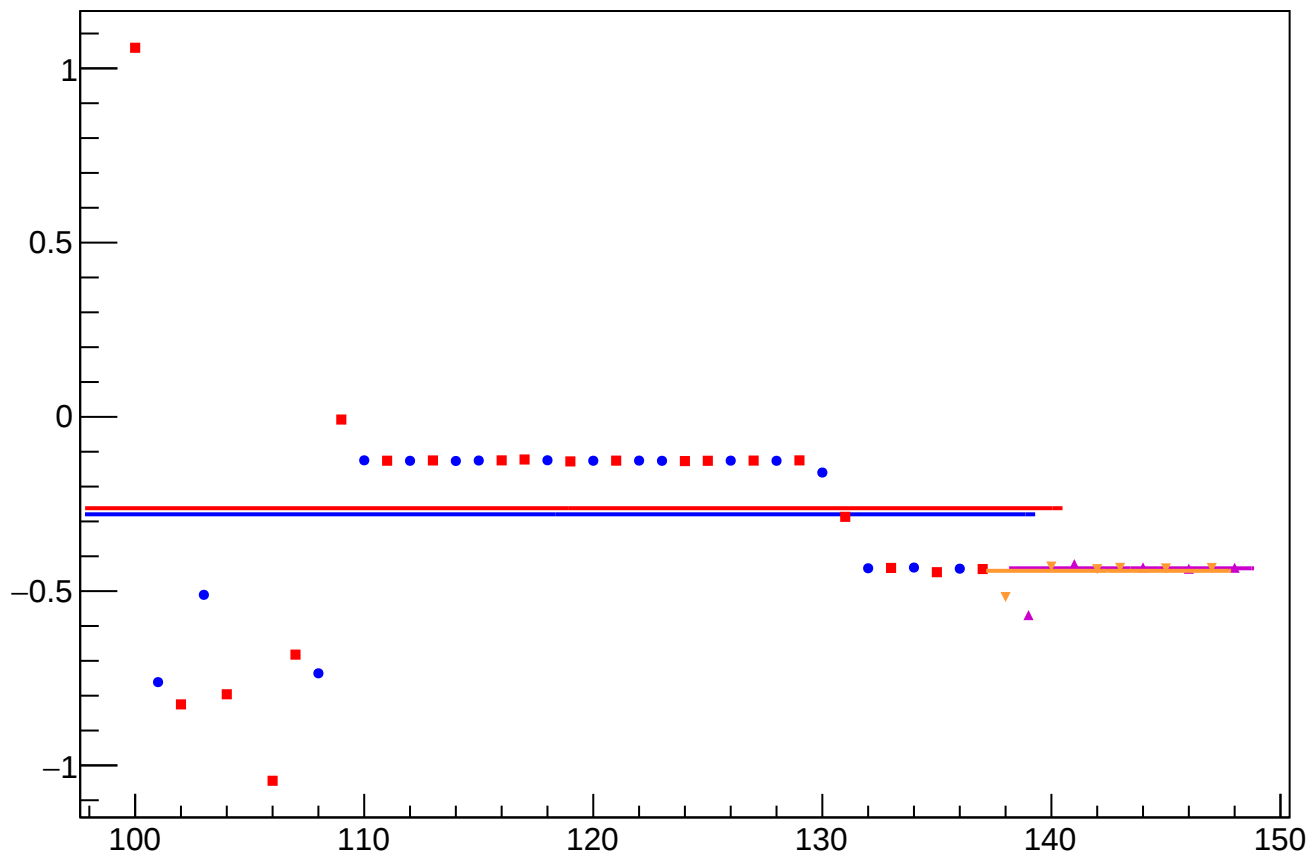
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1312395.5/4

0.009 $\pm$ 0.000 χ^2 /NDF: 2684387.0/22

0.009 $\pm$ 0.000 χ^2 /NDF: 5584009.3/47

0.009 $\pm$ 0.000 χ^2 /NDF: 2898719.3/24

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.442 ± 0.000 χ^2/NDF : 23008153.4/5

Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

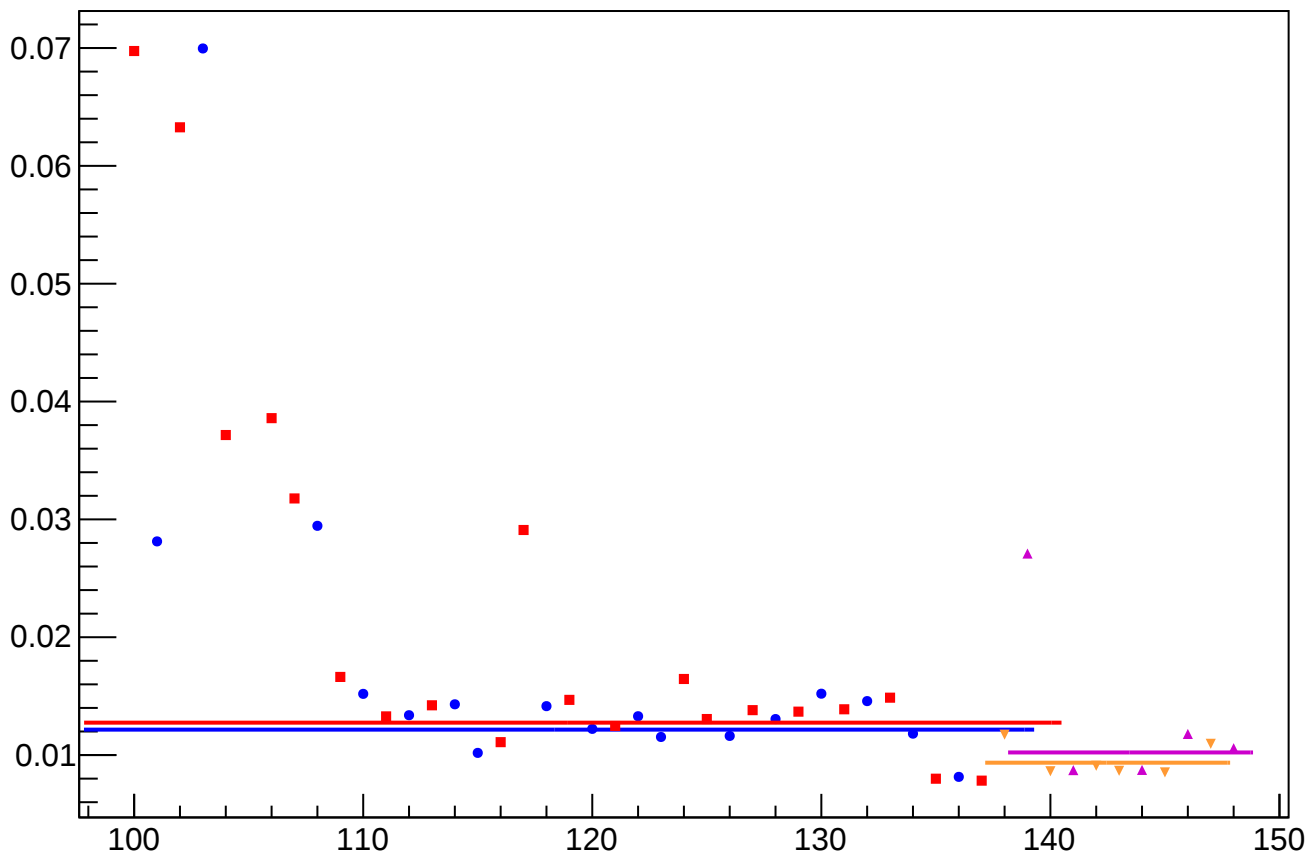
Left In: -0.434 ± 0.000 χ^2/NDF : 18741519.8/4

-0.366 ± 0.000 χ^2/NDF : 1391700724.1/22

-0.357 ± 0.000 χ^2/NDF : 2865385033.8/4

-0.347 ± 0.000 χ^2/NDF : 1462445661.0/24

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.009+/-0.000 χ^2/NDF : 95694.9/5

Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

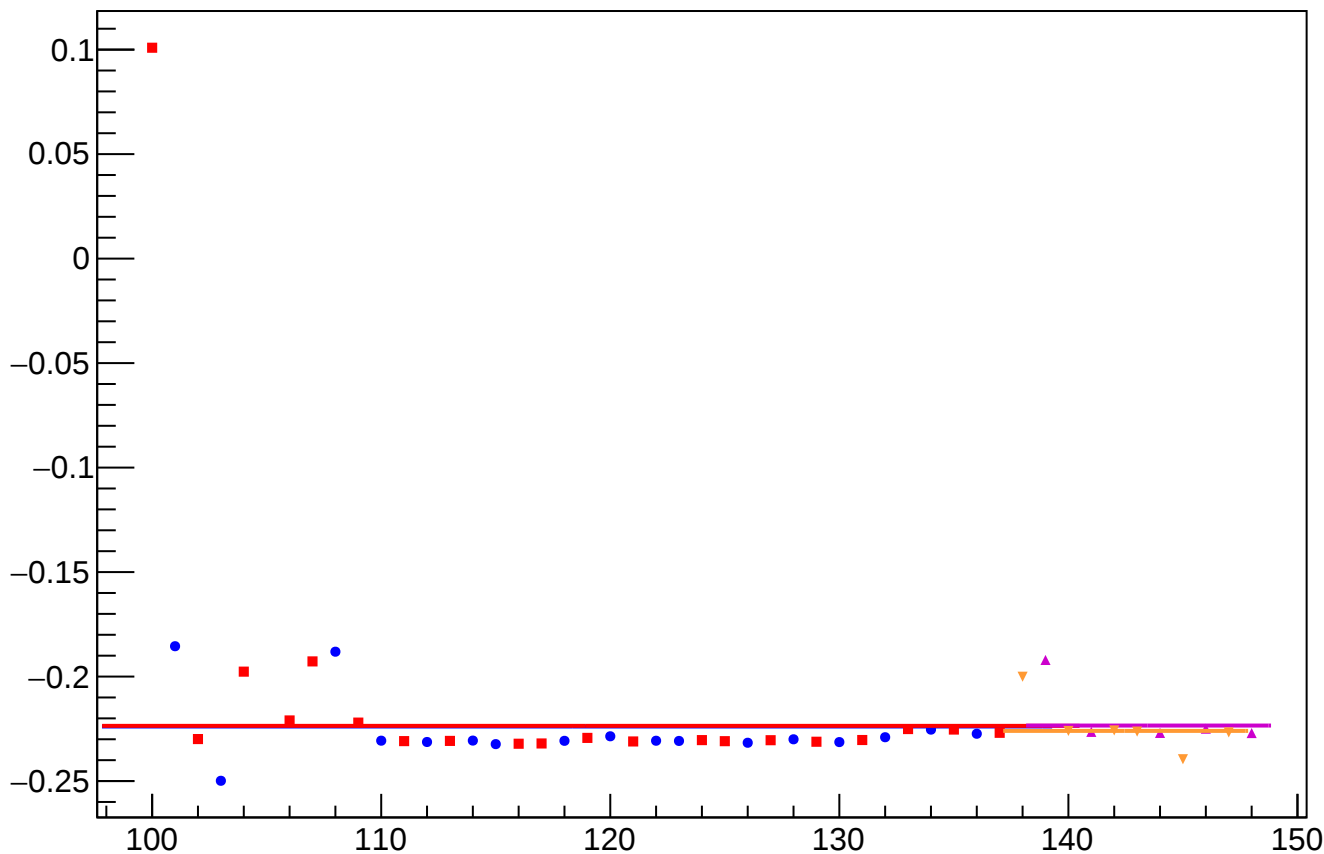
Left In: 0.010+/-0.000 χ^2/NDF : 651430.5/4

0.011+/-0.000 χ^2/NDF : 2081707.8/22

0.011+/-0.000 χ^2/NDF : 4957136.5/47

0.012+/-0.000 χ^2/NDF : 2831161.8/24

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20477278.7/5

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

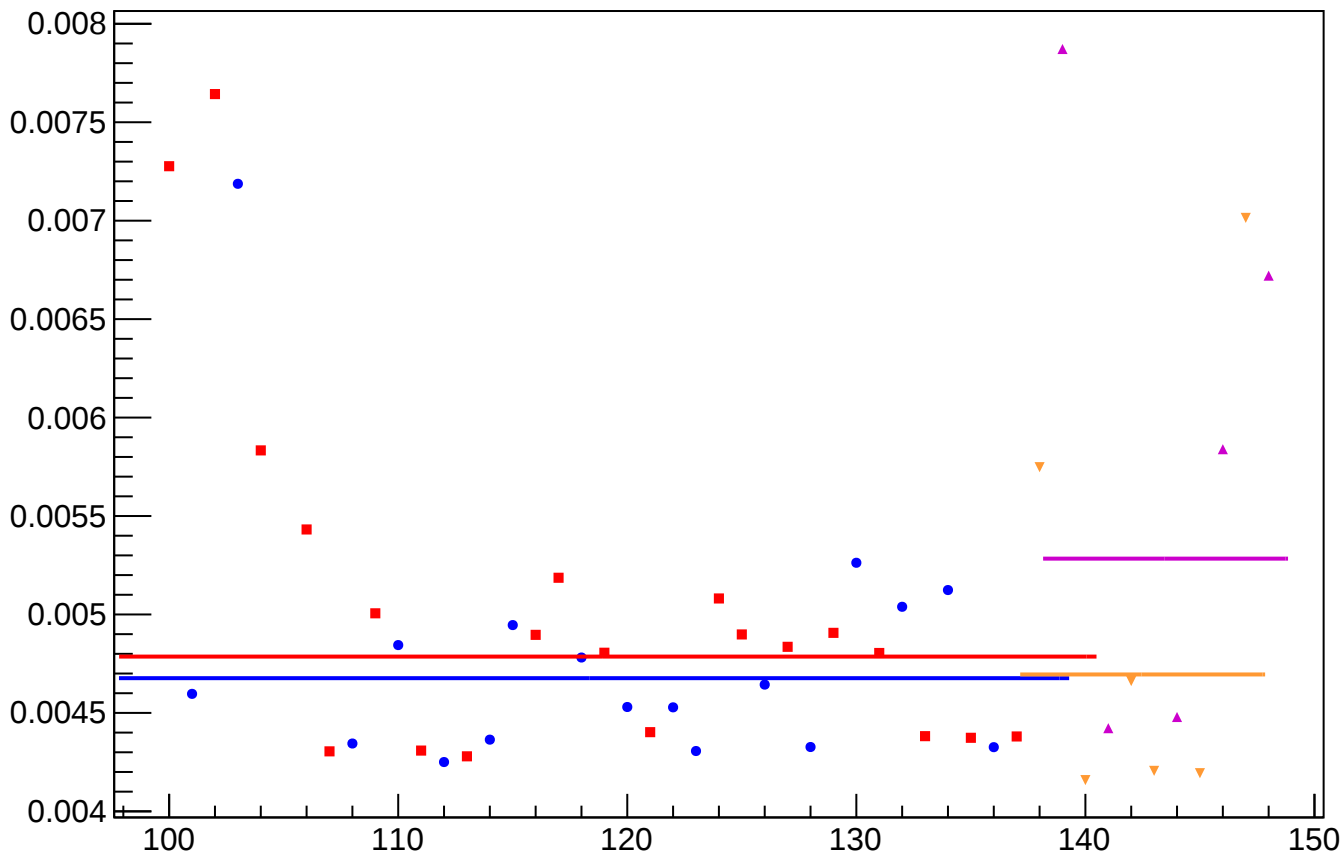
Left In: -0.223+/-0.000 χ^2/NDF : 12031507.9/4

-0.225+/-0.000 χ^2/NDF : 95536410.3/22

-0.224+/-0.000 χ^2/NDF : 276072775.2/47

-0.224+/-0.000 χ^2/NDF : 180263060.8/24

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 271409.6/5

Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

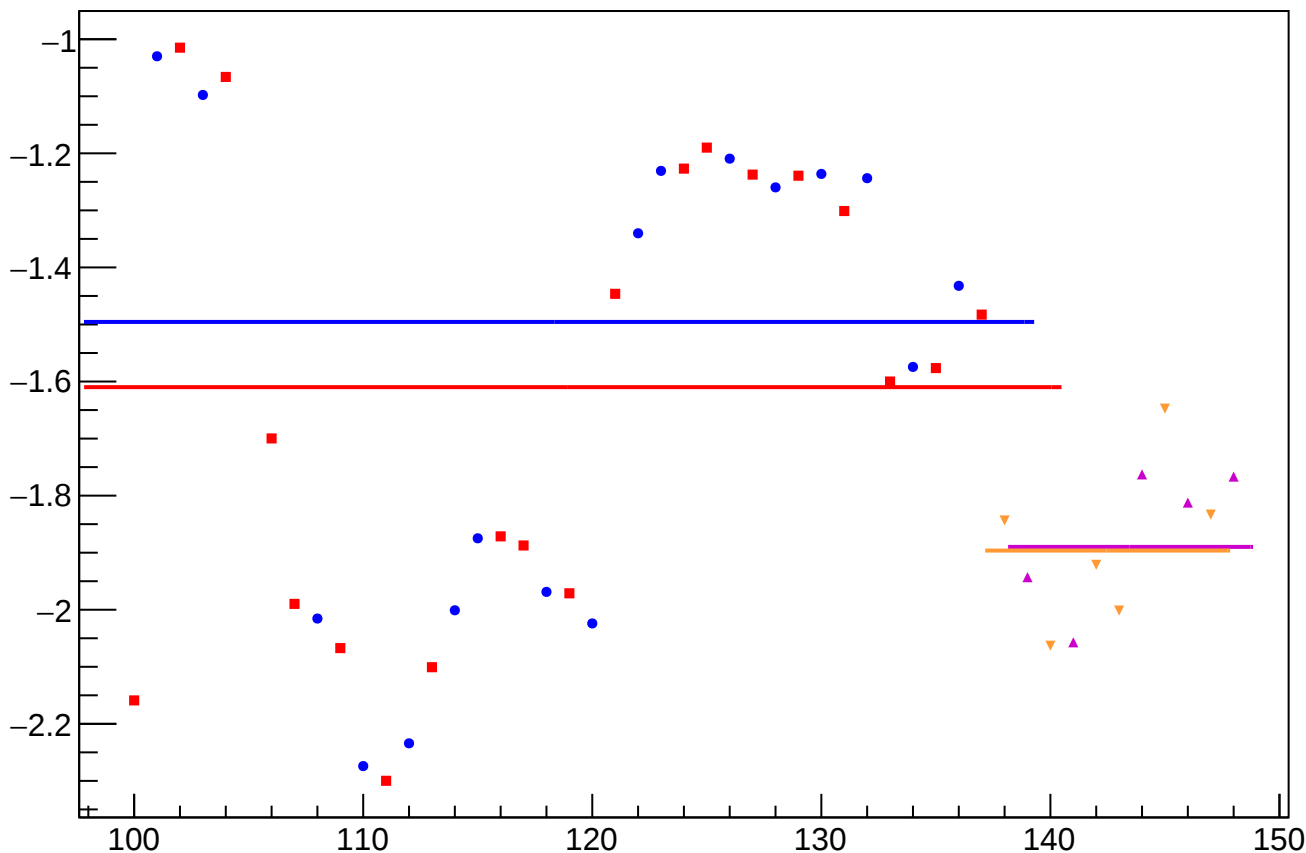
Left In: 0.005+/-0.000 χ^2/NDF : 340266.8/4

0.005+/-0.000 χ^2/NDF : 452263.7/22

0.005+/-0.000 χ^2/NDF : 1112764.7/47

0.005+/-0.000 χ^2/NDF : 632374.2/24

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.896+/-0.000 χ^2/NDF : 2392421624.4/5

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

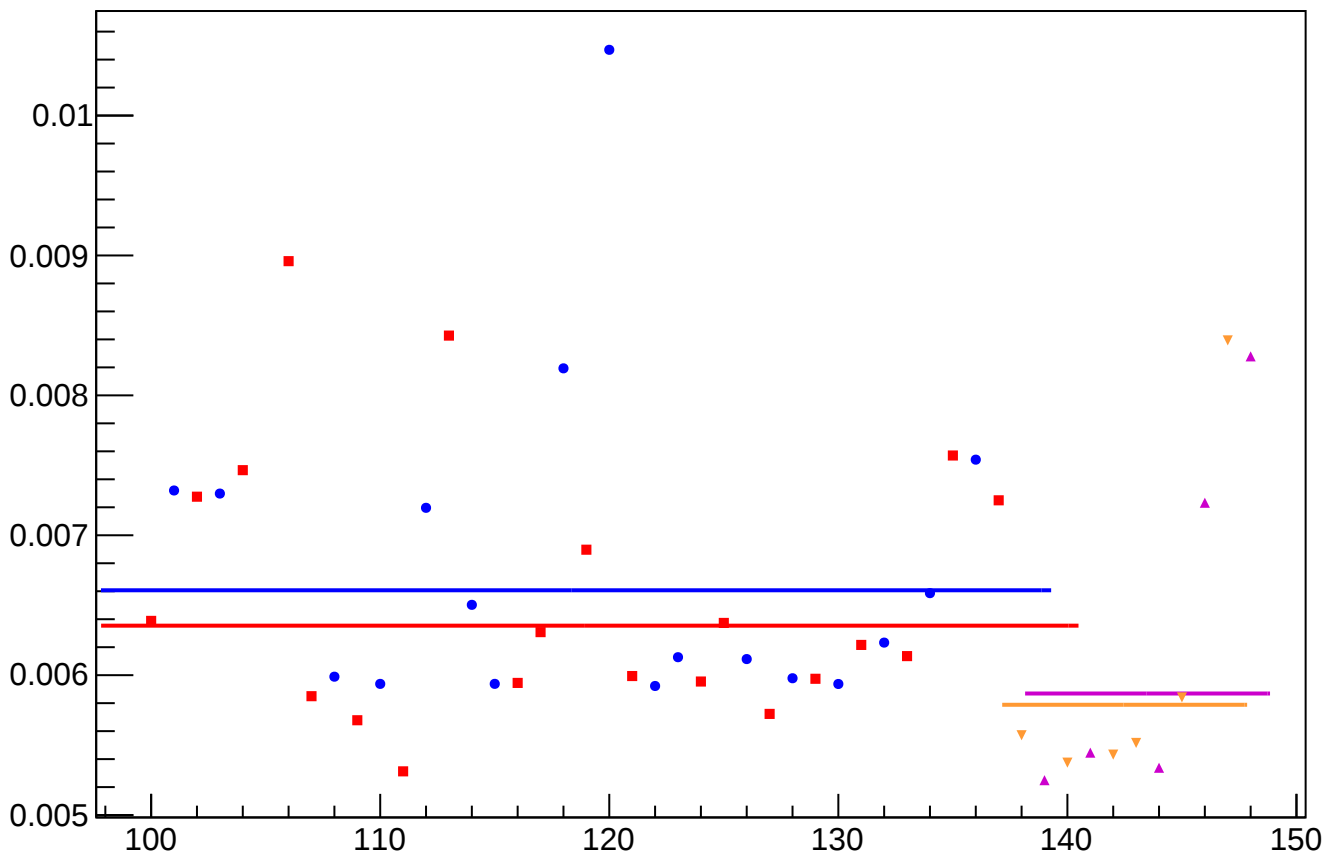
Left In: -1.890+/-0.000 χ^2/NDF : 1555659275.7/4

-1.678+/-0.000 χ^2/NDF : 35050027207.8/22

-1.699+/-0.000 χ^2/NDF : 69823699846.4/4

-1.720+/-0.000 χ^2/NDF : 34544372438.1/24

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 :152491.6/5

Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

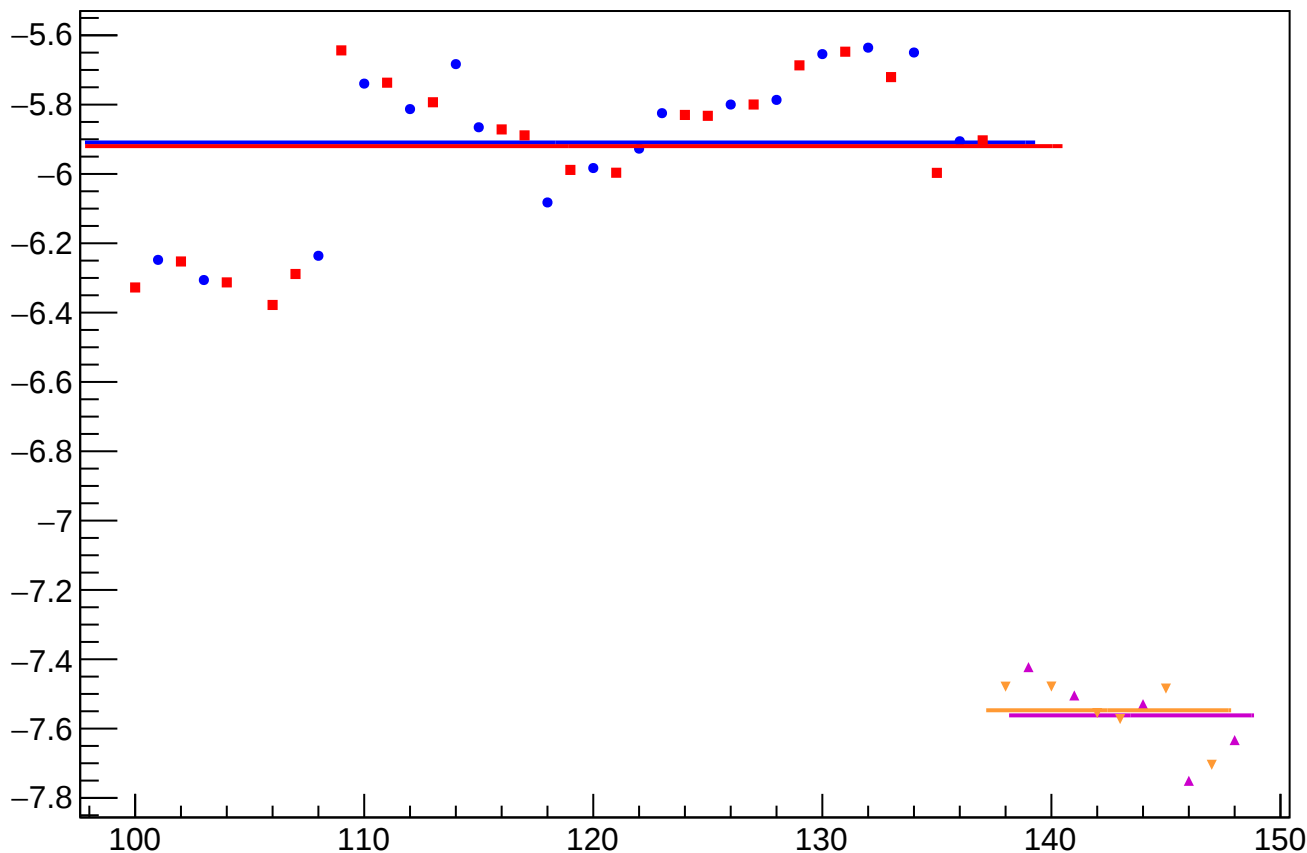
Left In: 0.006+/-0.000 χ^2/NDF :216076.4/4

0.006+/-0.000 χ^2/NDF : 438484.9/22

0.006+/-0.000 χ^2/NDF : 913480.1/47

0.006+/-0.000 χ^2/NDF : 473683.2/24

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909 $\pm$ 0.000 χ^2 /NDF: 11125163629.1/16

Left Out: -7.547 $\pm$ 0.000 χ^2 /NDF: 351746747.9/5

-6.226 $\pm$ 0.000 χ^2 /NDF: 116415551672.7/22

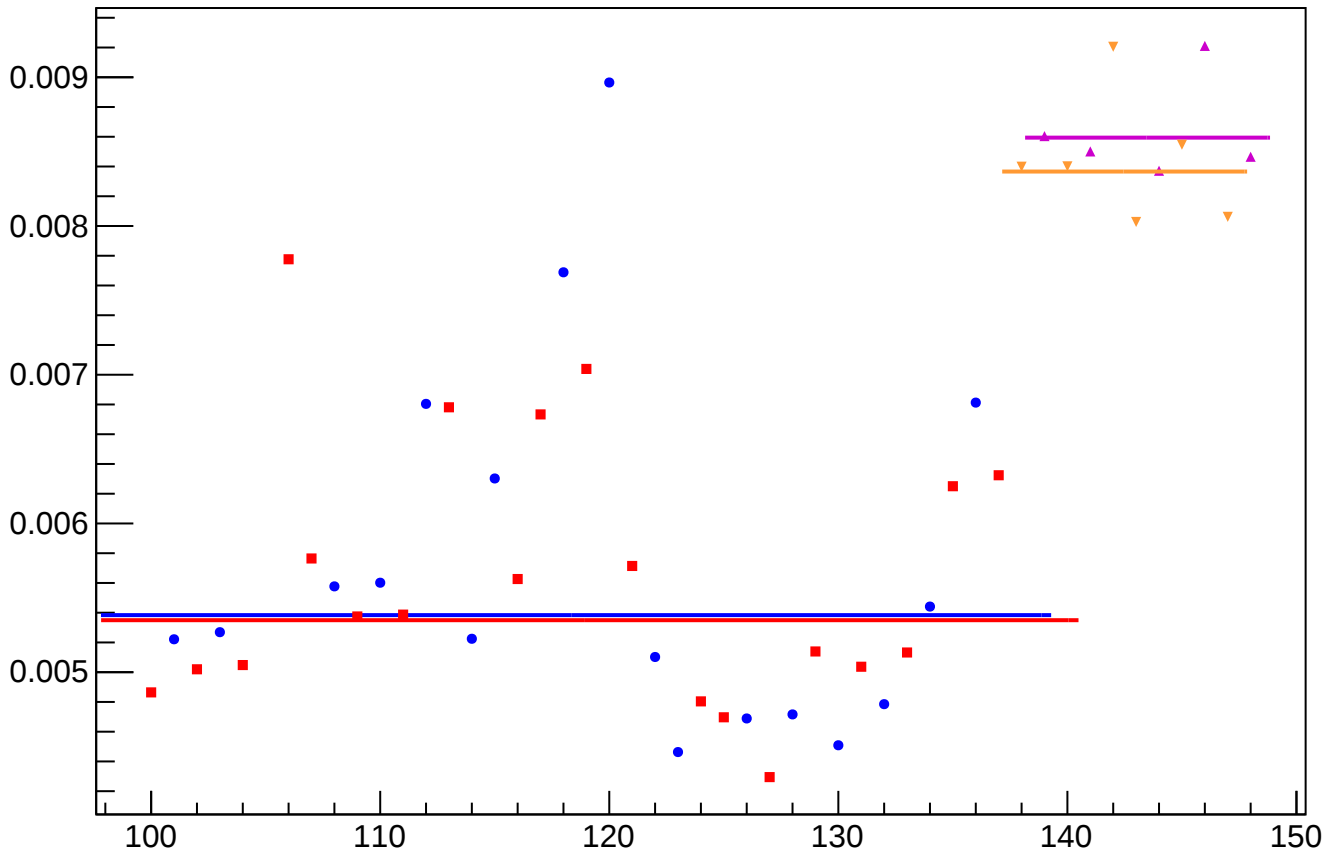
Right Out: -5.920 $\pm$ 0.000 χ^2 /NDF: 12786104538.4/19

-6.213 $\pm$ 0.000 χ^2 /NDF: 232733591424.1

-6.200 $\pm$ 0.000 χ^2 /NDF: 116228912048.8/24

Left In: -7.562 $\pm$ 0.000 χ^2 /NDF: 510486800.1/4

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 10535.5/5

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 247999.6/19

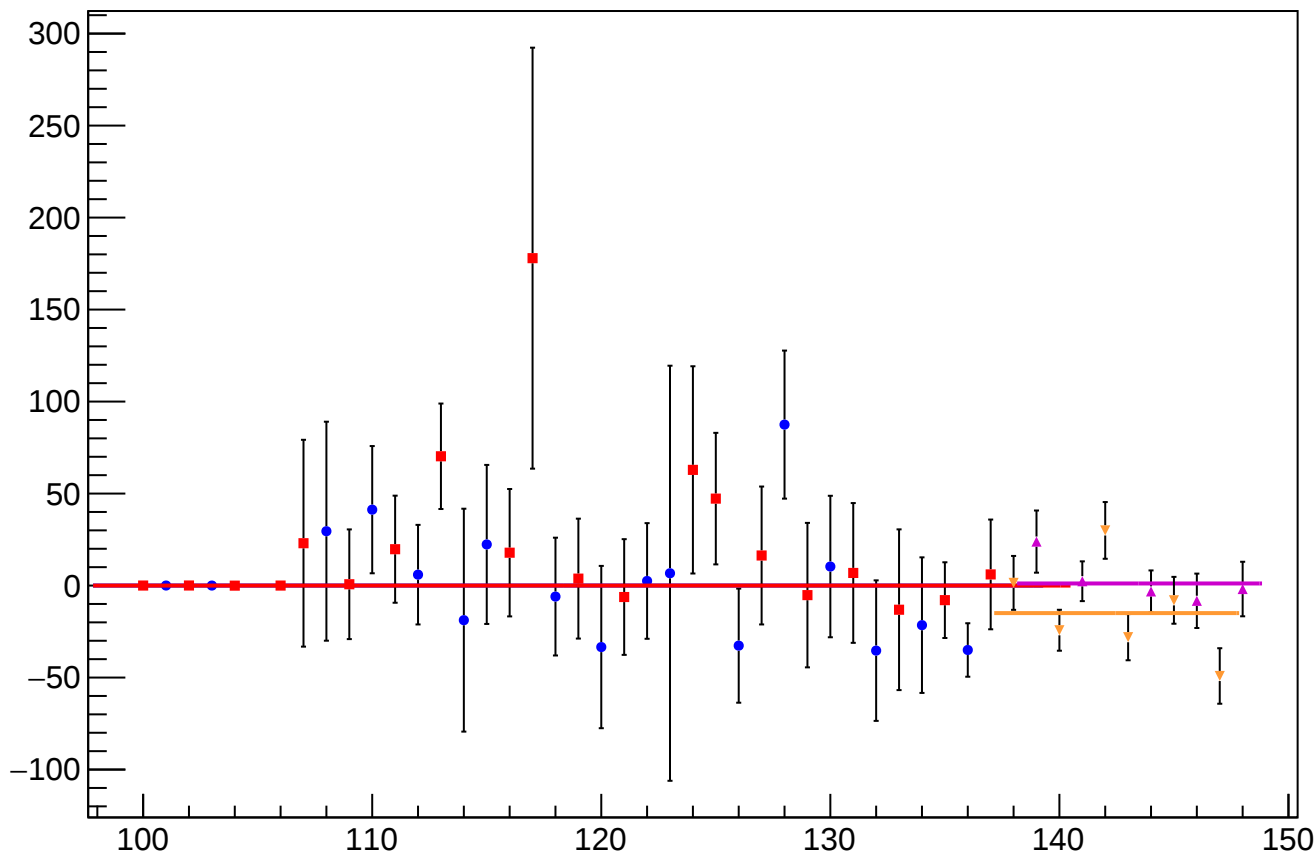
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 7120.6/4

0.006 $\pm$ 0.000 χ^2/NDF : 1053994.2/22

0.006 $\pm$ 0.000 χ^2/NDF : 2113605.7/47

0.006 $\pm$ 0.000 χ^2/NDF : 1058750.7/24

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -14.963 ± 5.435 χ^2/NDF : 17.0/5

Right Out: -0.003 ± 0.016 χ^2/NDF : 17.7/19

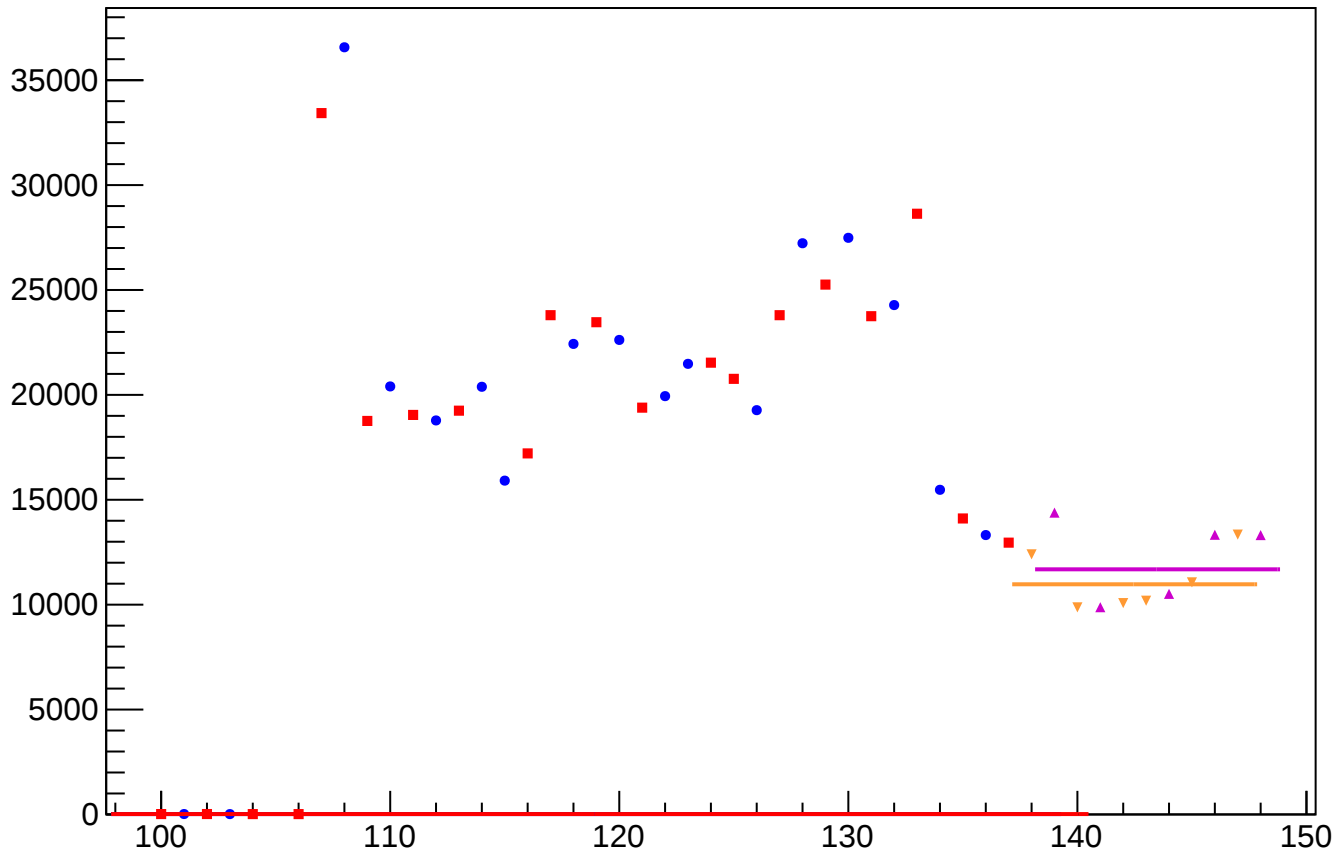
Left In: 1.140 ± 5.884 χ^2/NDF : 2.4/4

0.013 ± 0.017 χ^2/NDF : 40.3/22

0.004 ± 0.012 χ^2/NDF : 61.0/47

-0.003 ± 0.016 χ^2/NDF : 20.2/24

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641 $\pm$ 0.012 χ^2/NDF : 10841561.4/16

Left Out: 10971.363 $\pm$ 3.843 χ^2/NDF : 102483.8/5

Right Out: 18.312 $\pm$ 0.011 χ^2/NDF : 11189737.0/19

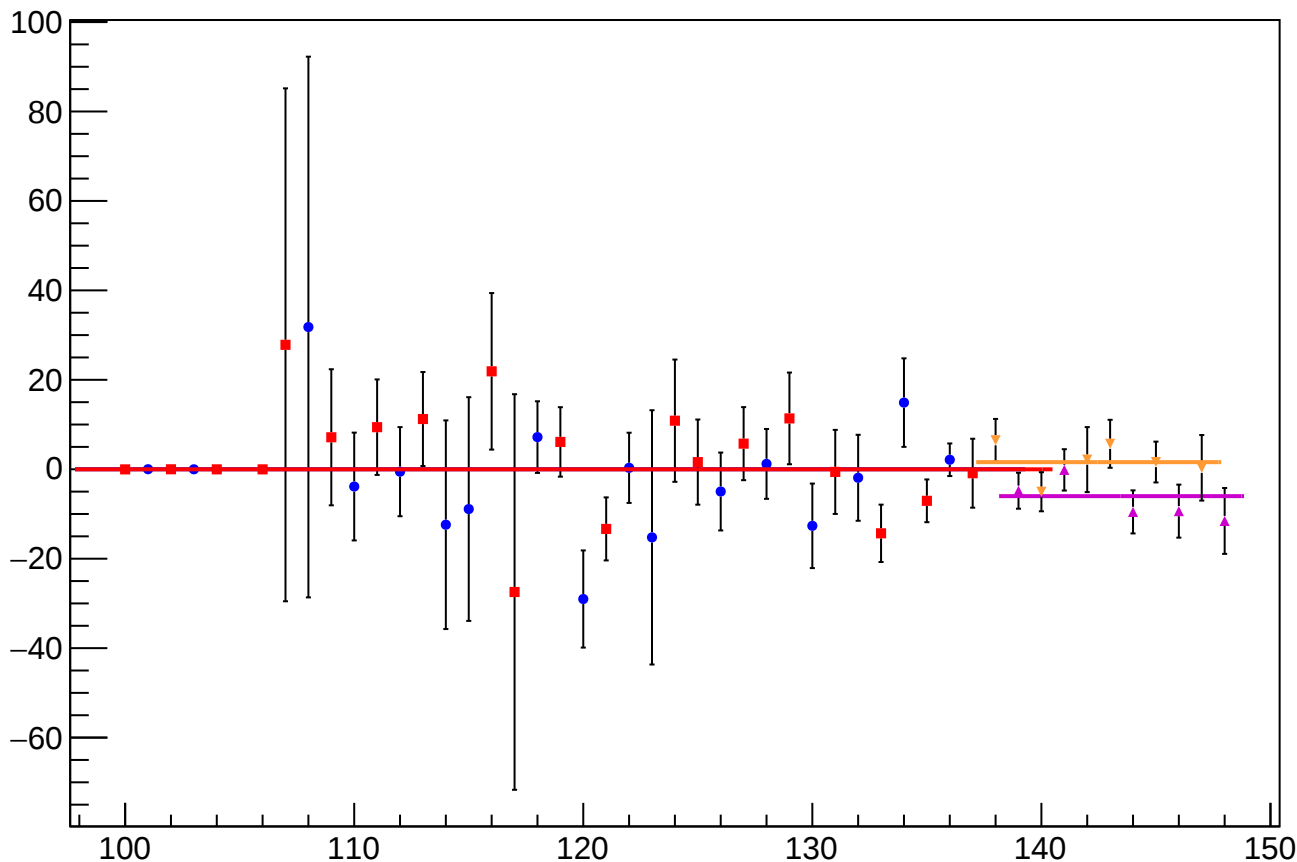
Left In: 11684.528 $\pm$ 4.161 χ^2/NDF : 177132.8/4

18.752 $\pm$ 0.012 χ^2/NDF : 19066676.3/22

18.562 $\pm$ 0.008 χ^2/NDF : 38296246.6/47

18.399 $\pm$ 0.011 χ^2/NDF : 19229123.4/24

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 1.590 $\pm$ 2.148 χ^2 /NDF: 4.0/5

Right Out: -0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/19

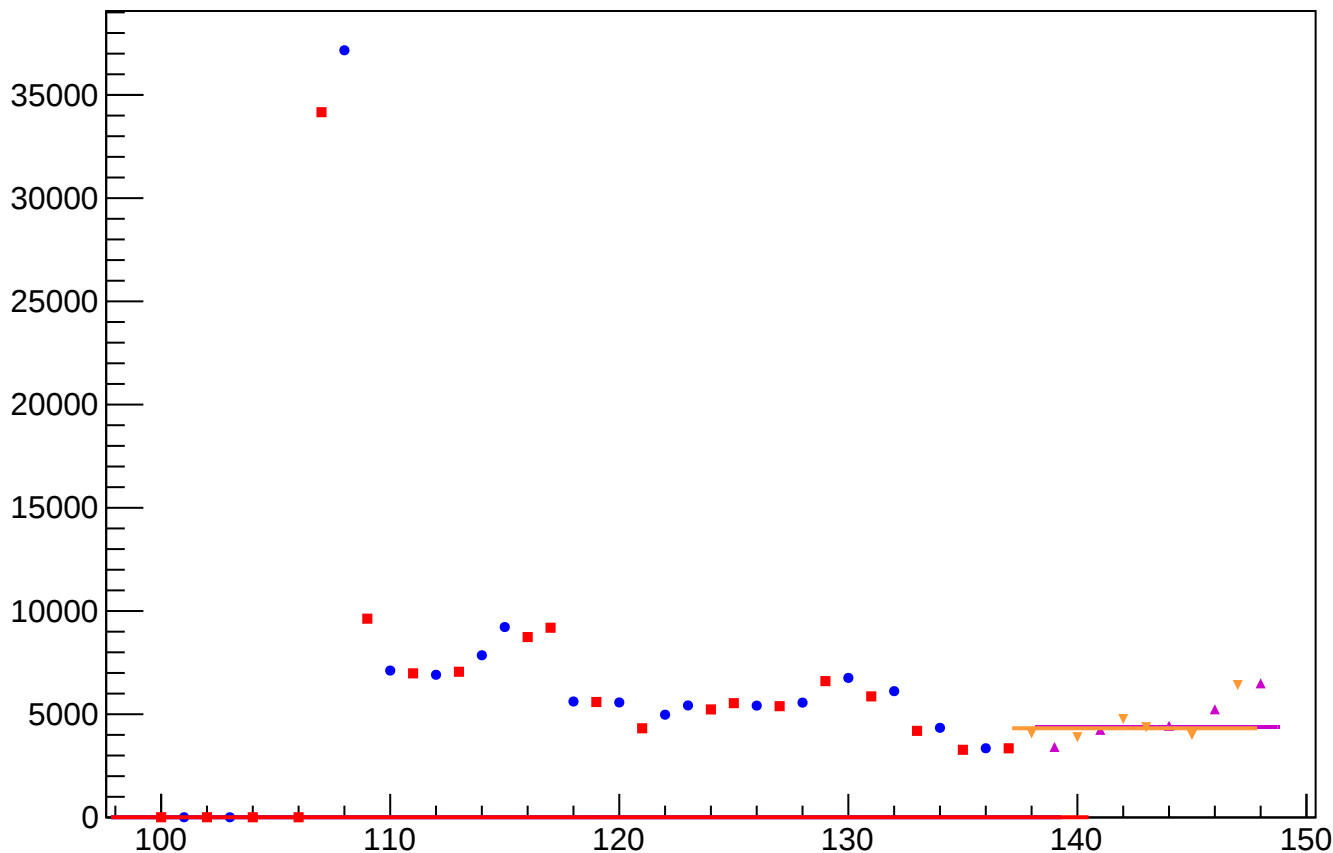
Left In: -6.010 $\pm$ 2.244 χ^2 /NDF: 3.1/4

0.001 $\pm$ 0.009 χ^2 /NDF: 19.4/22

-0.007 $\pm$ 0.006 χ^2 /NDF: 49.9/47

-0.014 $\pm$ 0.009 χ^2 /NDF: 29.1/24

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4320.574+/-1.519 χ^2/NDF :206108.9/5

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

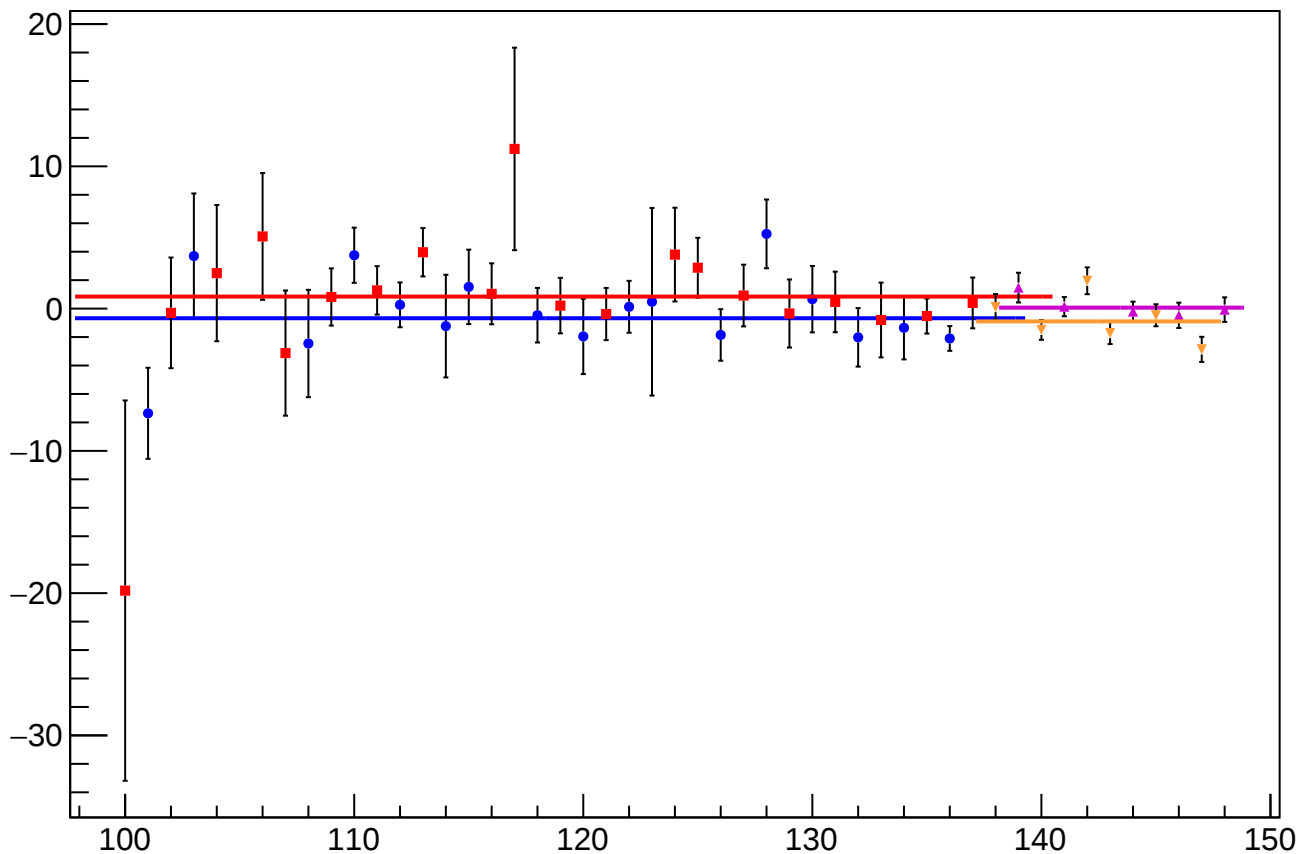
Left In: 4381.161+/-1.587 χ^2/NDF :324392.4/4

10.017+/-0.007 χ^2/NDF : 19233588.2/22

9.965+/-0.004 χ^2/NDF : 38383645.6/47

9.920+/-0.006 χ^2/NDF : 19149938.0/24

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.900 ± 0.333 χ^2/NDF : 17.5/5

Right Out: 0.846 ± 0.500 χ^2/NDF : 14.1/19

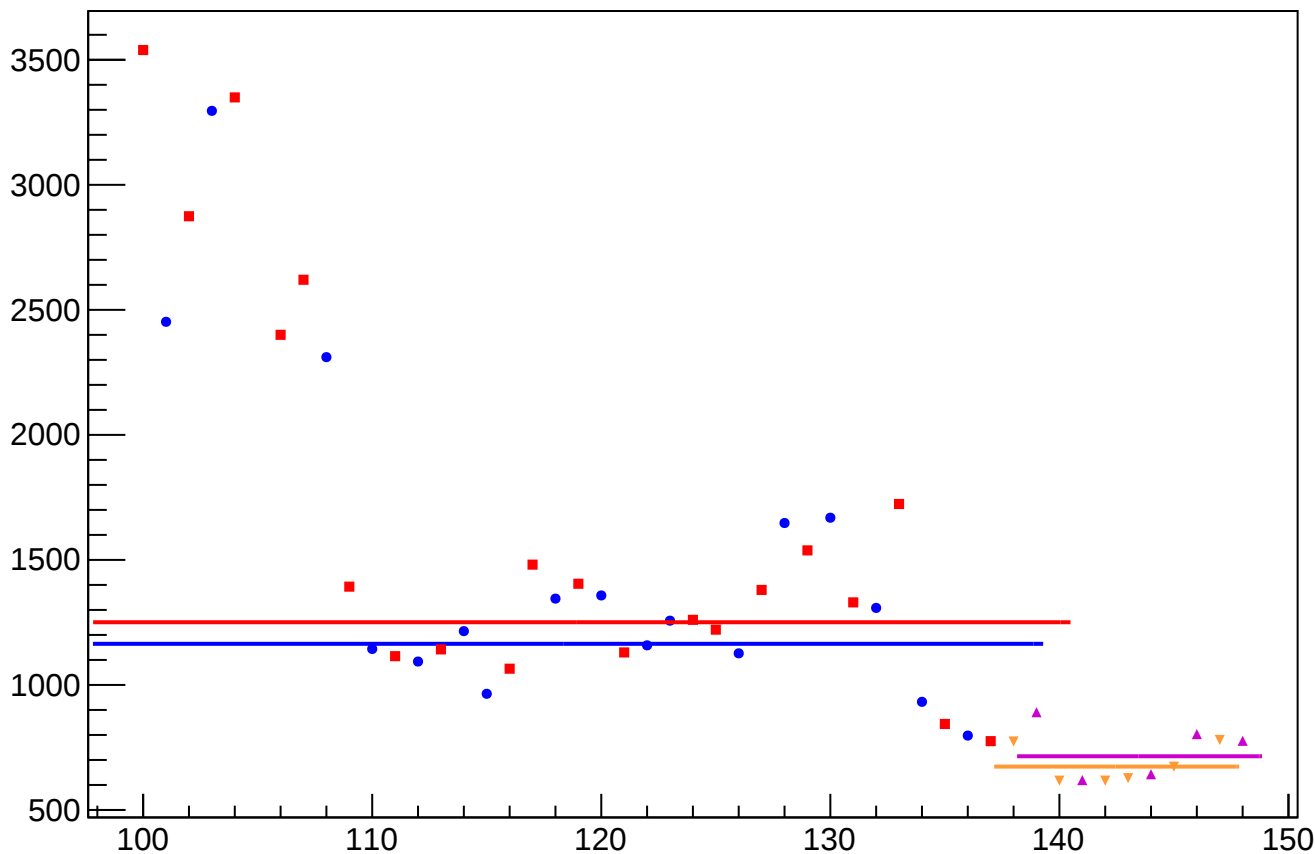
Left In: 0.069 ± 0.359 χ^2/NDF : 2.4/4

-0.828 ± 0.274 χ^2/NDF : 39.9/22

-0.283 ± 0.200 χ^2/NDF : 66.4/47

0.333 ± 0.292 χ^2/NDF : 18.1/24

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 673.458 $\pm$ 0.235 χ^2 /NDF: 80755.9/5

Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

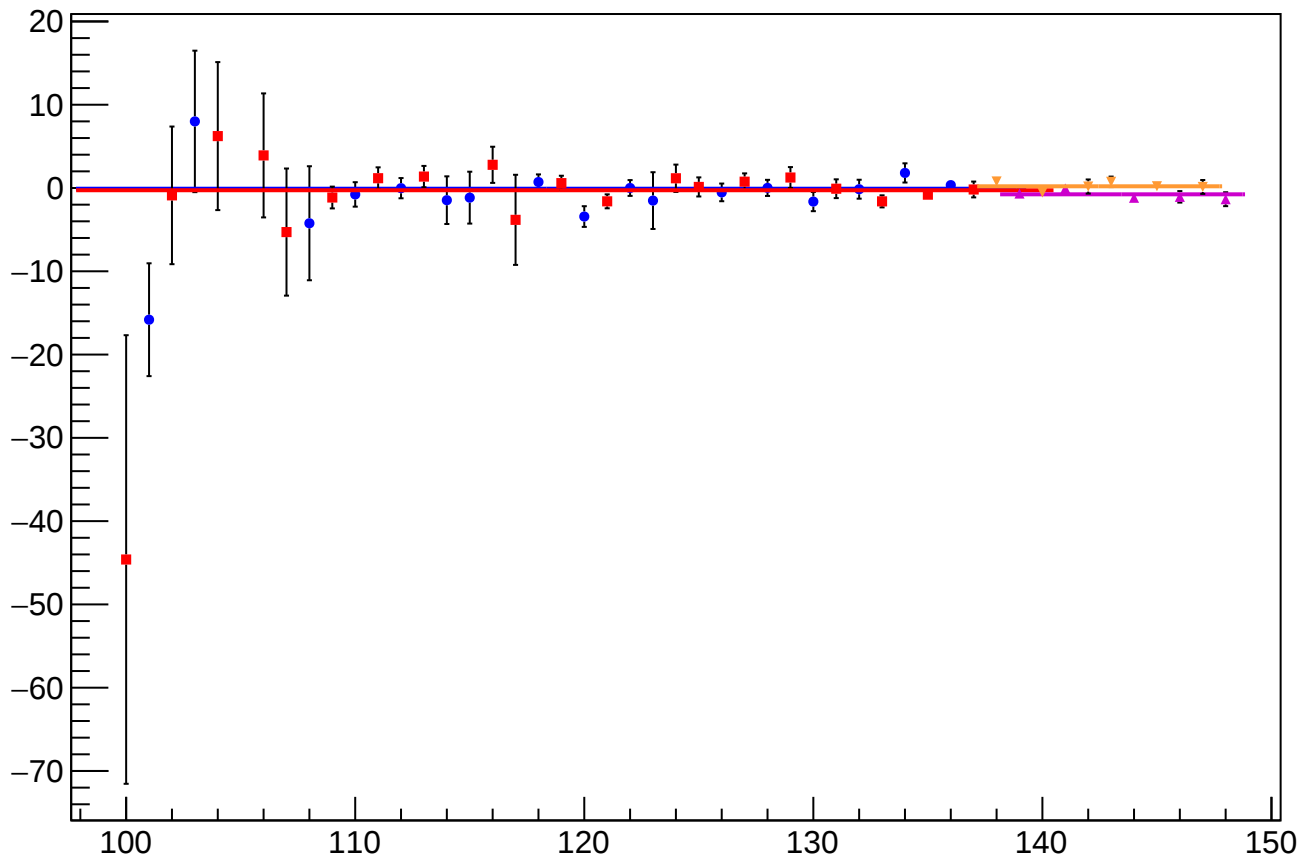
Left In: 714.764 $\pm$ 0.254 χ^2 /NDF: 147557.8/4

831.076 $\pm$ 0.194 χ^2 /NDF: 3061719.9/22

862.079 $\pm$ 0.141 χ^2 /NDF: 6431806.8/47

897.139 $\pm$ 0.206 χ^2 /NDF: 3315643.5/24

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 $\pm$ 0.270 χ^2/NDF : 21.1/16

Left Out: 0.206 $\pm$ 0.253 χ^2/NDF : 3.9/5

Right Out: -0.268 $\pm$ 0.264 χ^2/NDF : 20.9/19

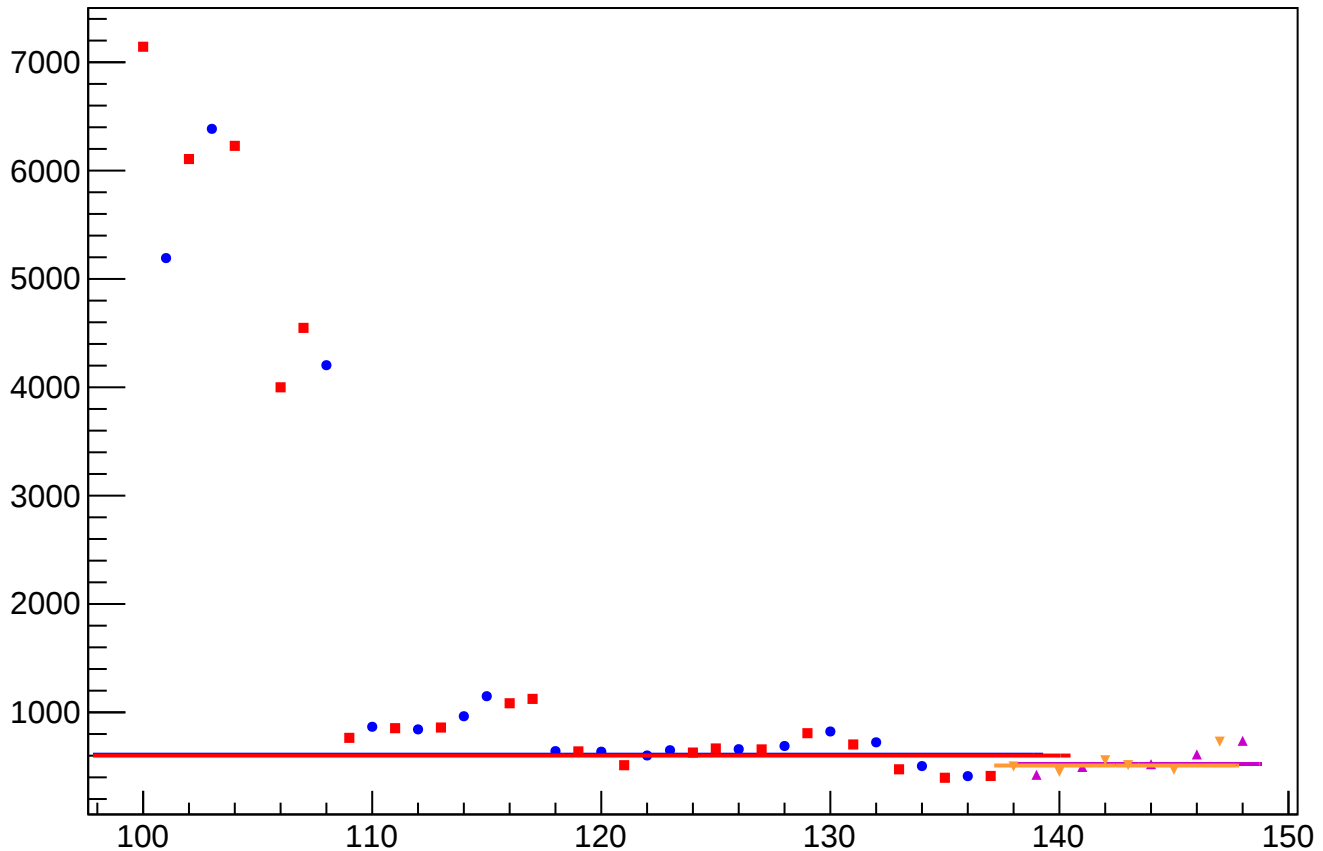
Left In: -0.758 $\pm$ 0.266 χ^2/NDF : 2.9/4

0.070 $\pm$ 0.185 χ^2/NDF : 25.6/22

-0.216 $\pm$ 0.132 χ^2/NDF : 56.0/47

-0.510 $\pm$ 0.188 χ^2/NDF : 25.5/24

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 509.259+/-0.179 χ^2/NDF : 184927.0/5

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

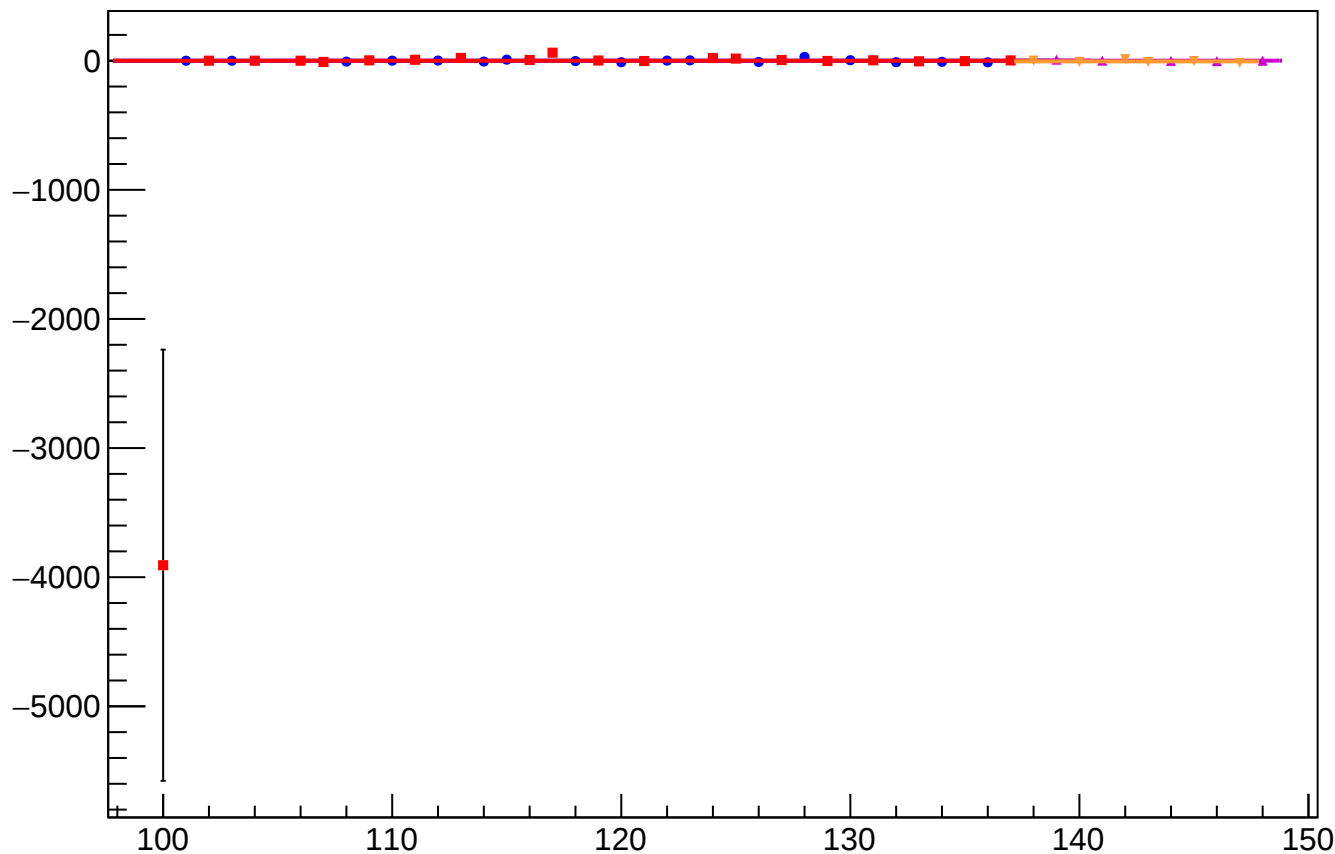
Left In: 523.084+/-0.188 χ^2/NDF : 248804.5/4

555.810+/-0.130 χ^2/NDF : 3469606.8/22

559.092+/-0.093 χ^2/NDF : 7372679.2/47

562.480+/-0.133 χ^2/NDF : 3901787.2/24

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 15.3/16

Left Out: -5.162 $\pm$ 1.925 χ^2 /NDF: 17.6/5

Right Out: 0.027 $\pm$ 0.020 χ^2 /NDF: 19.8/19

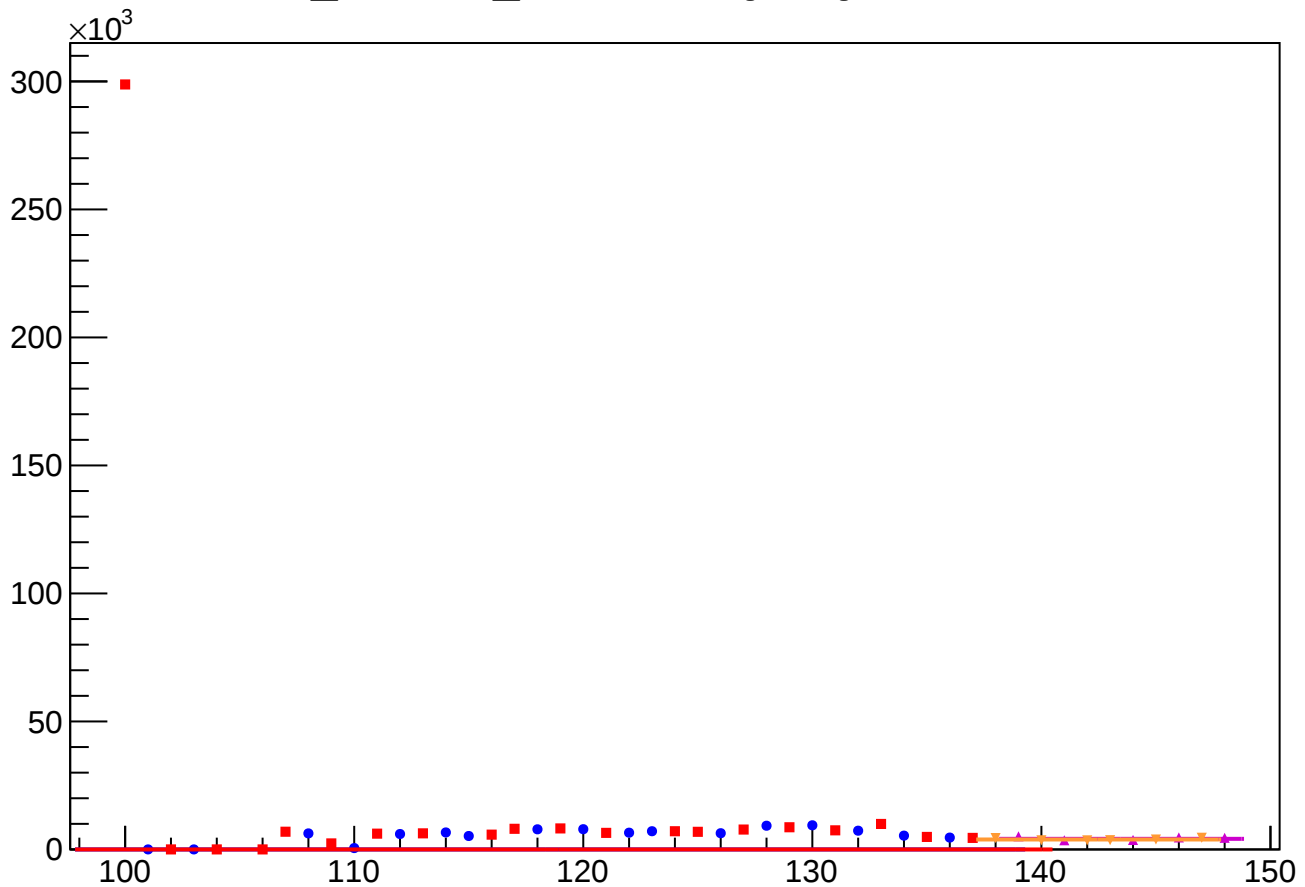
Left In: 0.395 $\pm$ 2.084 χ^2 /NDF: 2.4/4

-0.022 $\pm$ 0.021 χ^2 /NDF: 40.0/22

0.004 $\pm$ 0.014 χ^2 /NDF: 65.2/47

0.027 $\pm$ 0.020 χ^2 /NDF: 22.3/24

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 3893.220 $\pm$ 1.361 χ^2 /NDF: 84200.5/5

Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

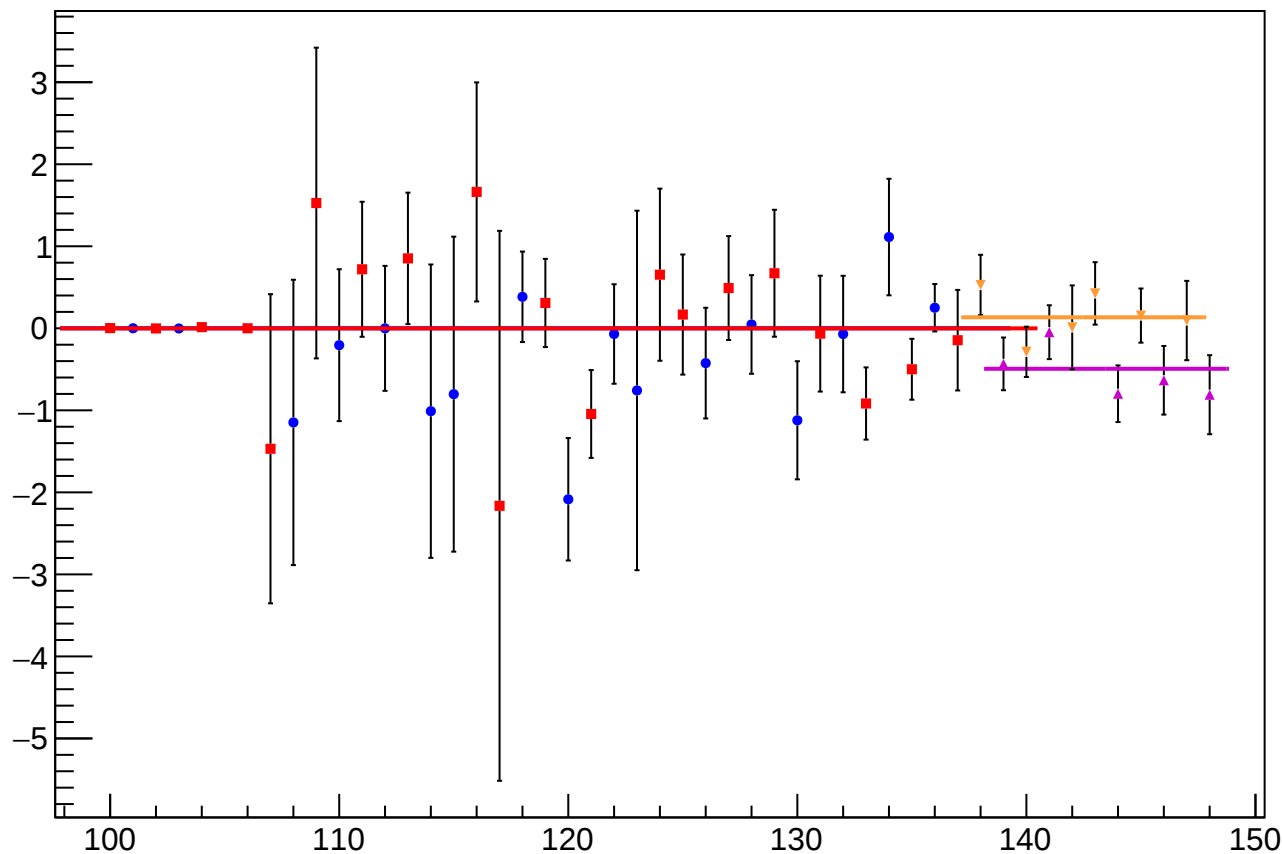
Left In: 4147.309 $\pm$ 1.474 χ^2 /NDF: 152274.1/4

17.789 $\pm$ 0.015 χ^2 /NDF: 18547417.9/22

17.712 $\pm$ 0.010 χ^2 /NDF: 37450476.5/47

17.642 $\pm$ 0.014 χ^2 /NDF: 18903006.2/24

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2/NDF : 15.6/16

Left Out: 0.134 $\pm$ 0.154 χ^2/NDF : 3.7/5

Right Out: -0.001 $\pm$ 0.002 χ^2/NDF : 18.2/19

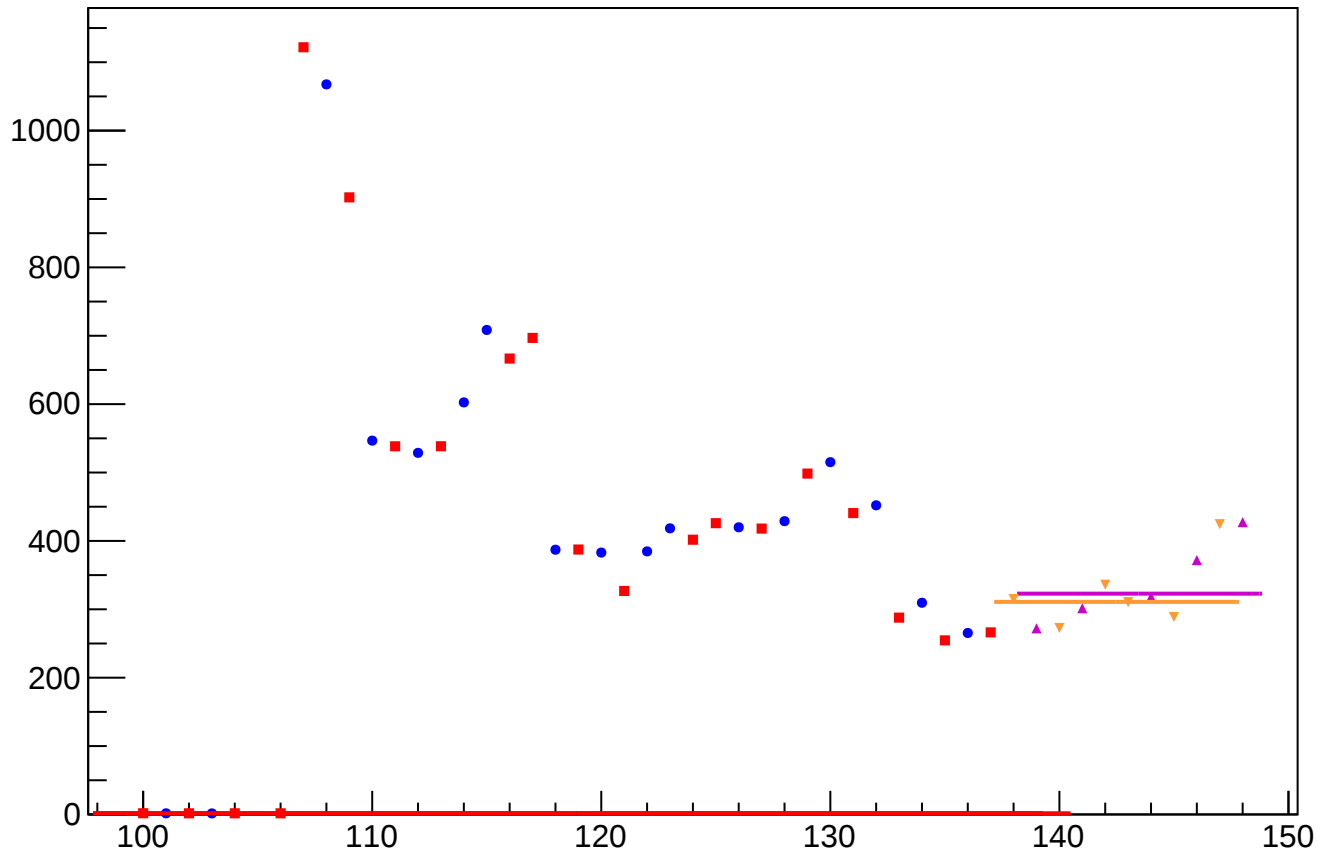
Left In: -0.493 $\pm$ 0.164 χ^2/NDF : 3.2/4

0.000 $\pm$ 0.002 χ^2/NDF : 20.1/22

-0.000 $\pm$ 0.001 χ^2/NDF : 50.7/47

-0.001 $\pm$ 0.002 χ^2/NDF : 30.5/24

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 310.865 $\pm$ 0.109 χ^2 /NDF:155399.5/5

Right Out: 1.729 $\pm$ 0.001 χ^2 /NDF: 10822679.1/19

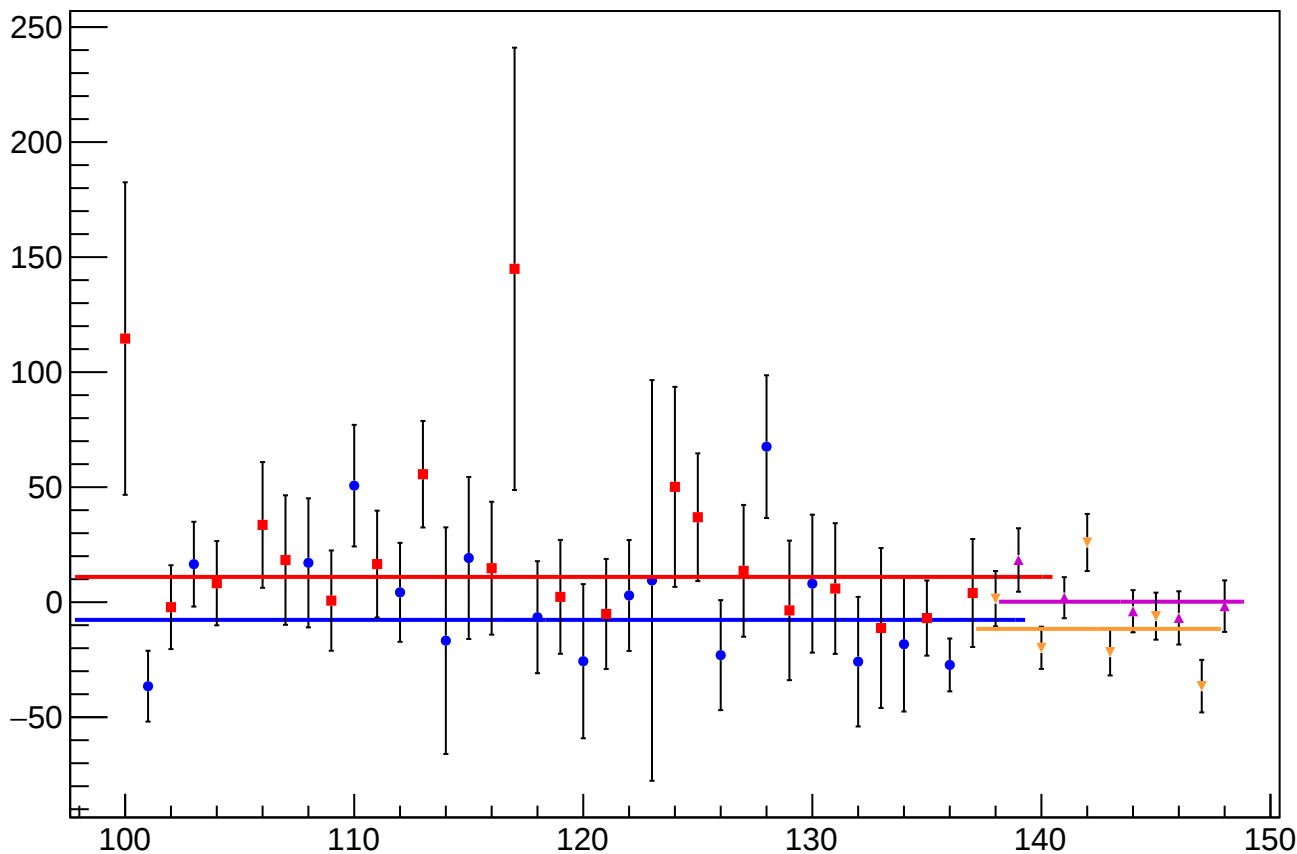
Left In: 322.890 $\pm$ 0.116 χ^2 /NDF:180292.7/4

1.752 $\pm$ 0.001 χ^2 /NDF: 19131602.9/22

1.763 $\pm$ 0.001 χ^2 /NDF: 37842955.9/47

1.774 $\pm$ 0.001 χ^2 /NDF: 18711232.8/24

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -11.600 ± 4.374 χ^2/NDF : 17.2/5

Right Out: 10.992 ± 5.672 χ^2/NDF : 13.8/19

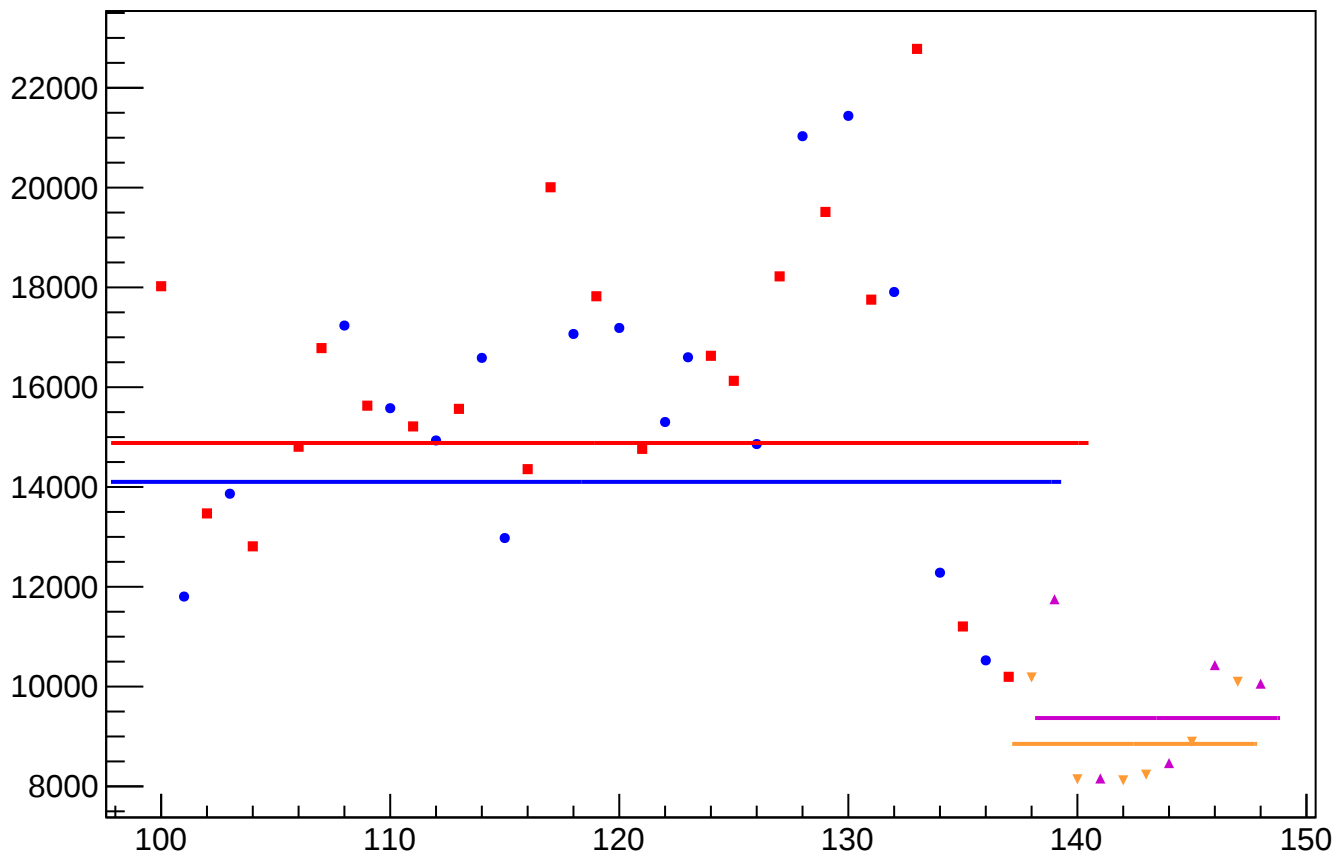
Left In: 0.205 ± 4.706 χ^2/NDF : 2.4/4

-10.125 ± 3.453 χ^2/NDF : 39.9/22

-3.111 ± 2.499 χ^2/NDF : 66.8/47

4.602 ± 3.622 χ^2/NDF : 18.3/24

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2/NDF : 598934.8/16

Left Out: 8851.447 $\pm$ 3.093 χ^2/NDF : 74675.4/5

Right Out: 14882.066 $\pm$ 4.011 χ^2/NDF : 475983.1/19

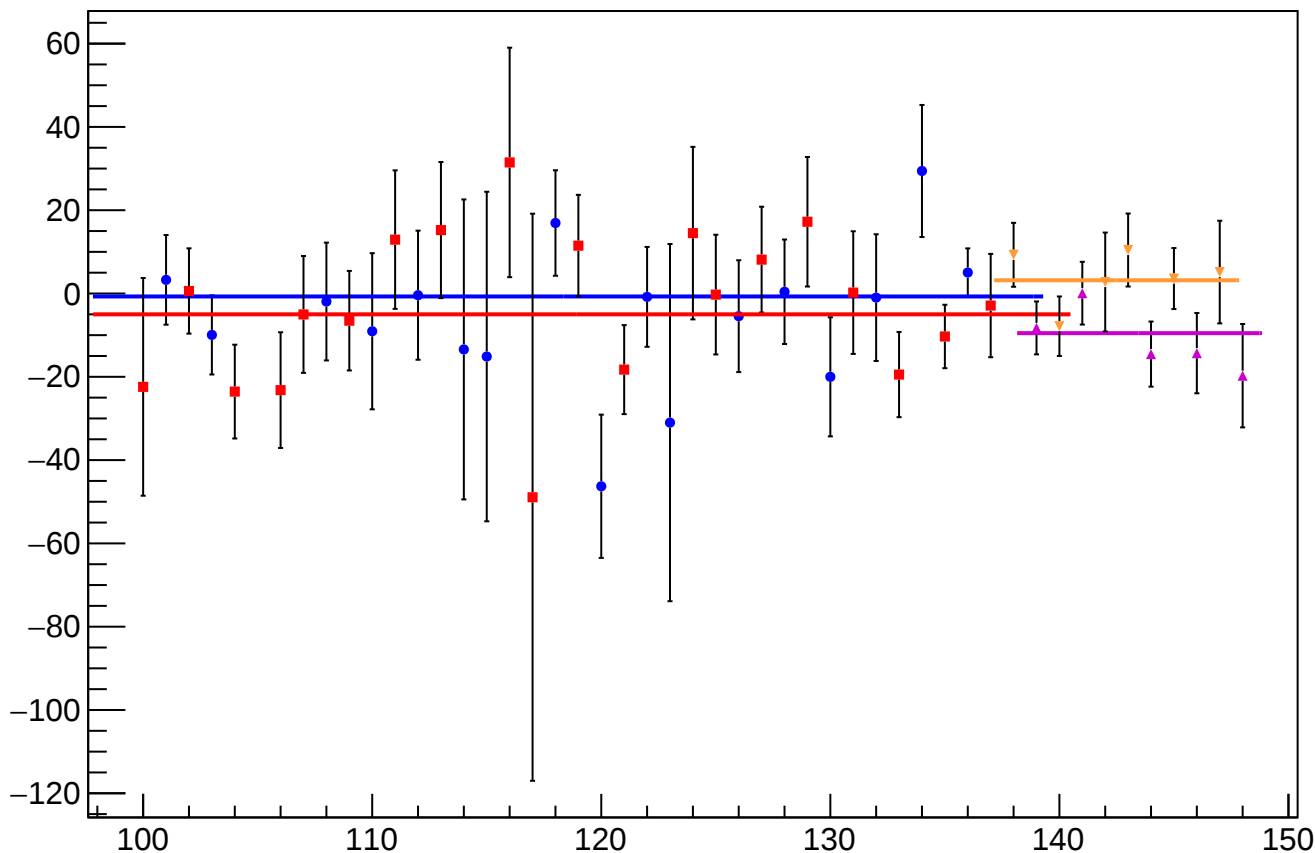
Left In: 9369.648 $\pm$ 3.327 χ^2/NDF : 140203.5/4

10829.126 $\pm$ 2.442 χ^2/NDF : 1759261.8/22

11204.233 $\pm$ 1.767 χ^2/NDF : 3543836.4/4

11616.780 $\pm$ 2.561 χ^2/NDF : 1735026.4/24

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 3.177 ± 3.493 χ^2/NDF : 3.7/5

Right Out: -5.000 ± 2.937 χ^2/NDF : 20.2/19

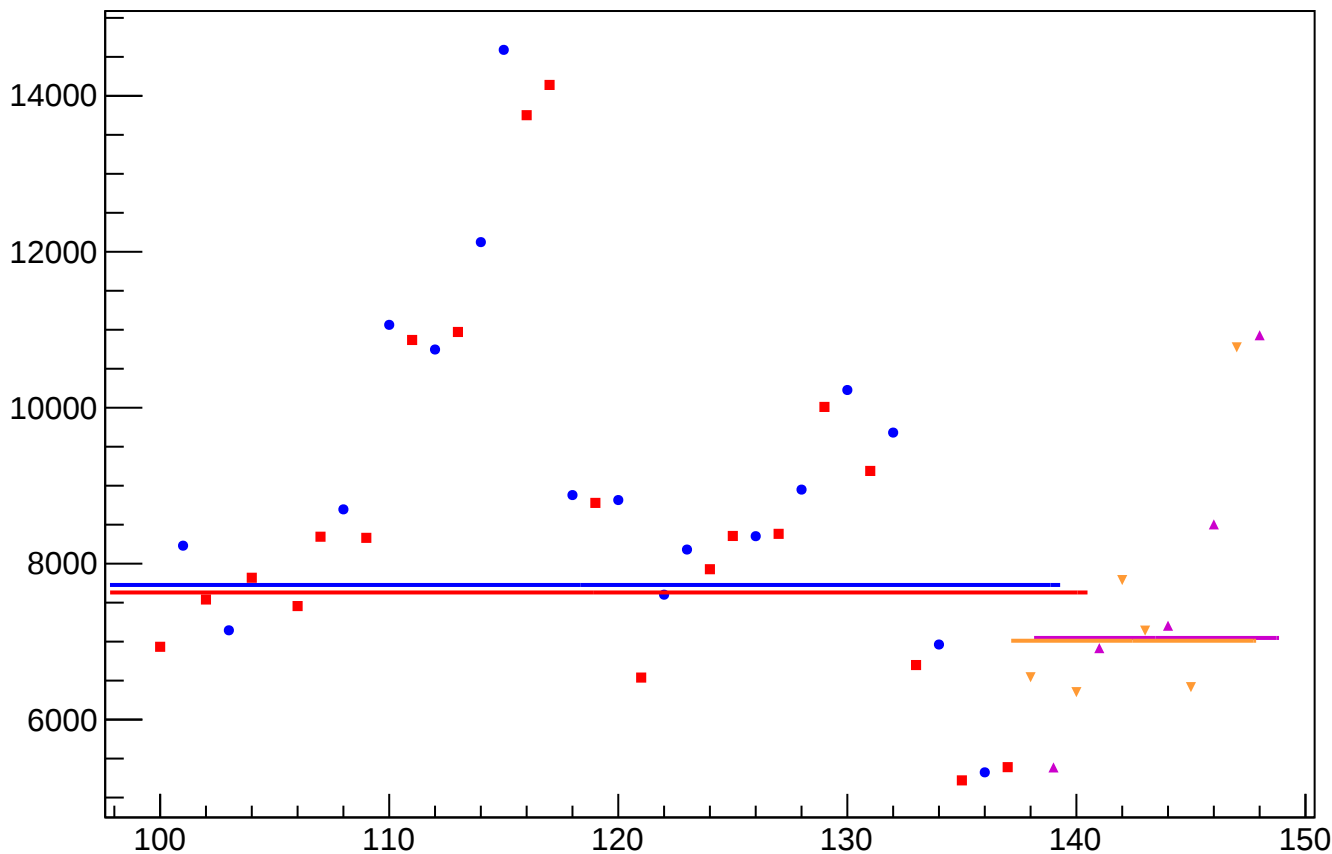
Left In: -9.518 ± 3.627 χ^2/NDF : 3.0/4

0.993 ± 2.312 χ^2/NDF : 22.0/22

-2.947 ± 1.624 χ^2/NDF : 51.8/47

-6.789 ± 2.282 χ^2/NDF : 24.1/24

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7011.380 $\pm$ 2.470 χ^2 /NDF: 233193.6/5

Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

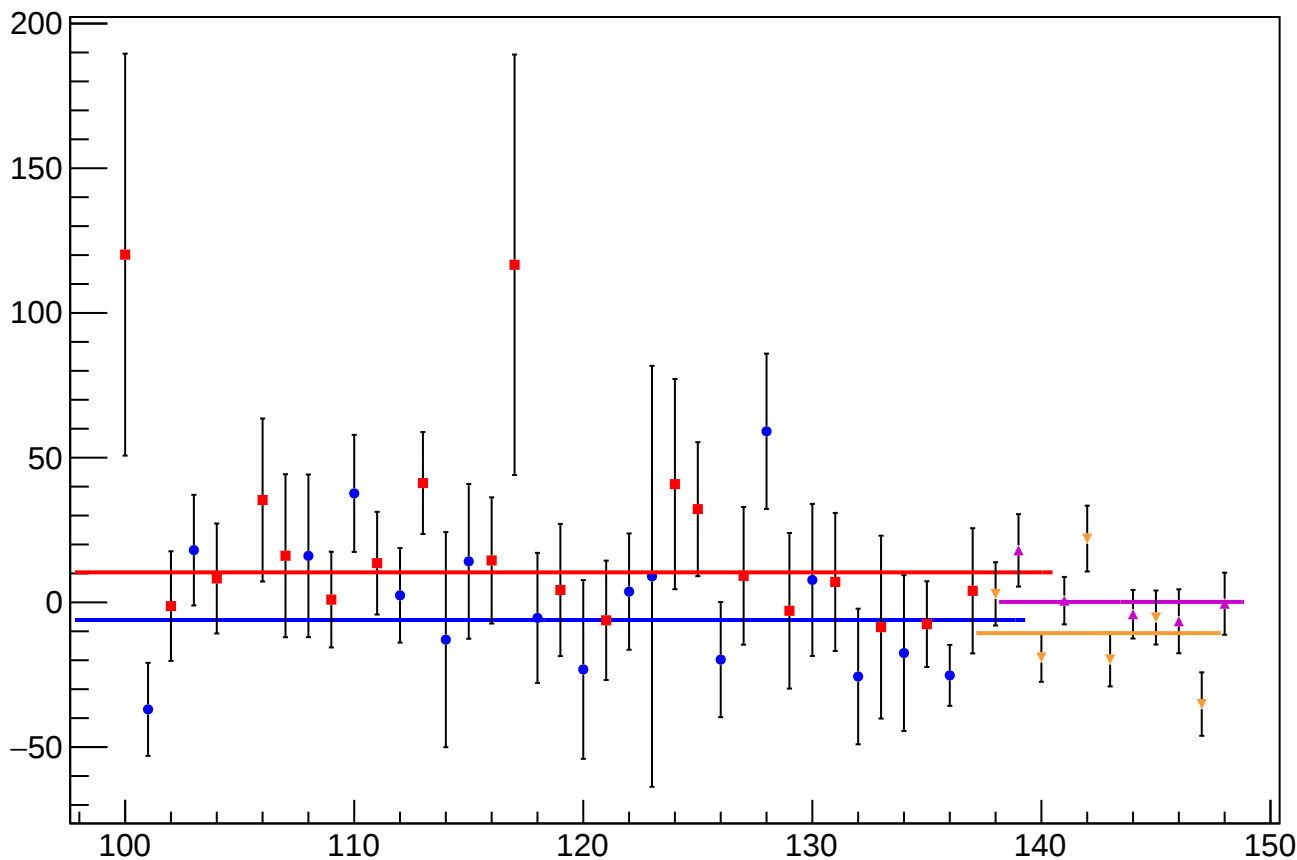
Left In: 7047.203 $\pm$ 2.565 χ^2 /NDF: 379359.1/4

7413.461 $\pm$ 1.635 χ^2 /NDF: 1022848.0/22

7406.363 $\pm$ 1.148 χ^2 /NDF: 2126911.9/47

7399.443 $\pm$ 1.614 χ^2 /NDF: 1104026.6/24

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 $\pm$ 5.034 χ^2/NDF : 22.9/16

Left Out: -10.624 $\pm$ 4.030 χ^2/NDF : 17.1/5

Right Out: 10.369 $\pm$ 4.992 χ^2/NDF : 13.8/19

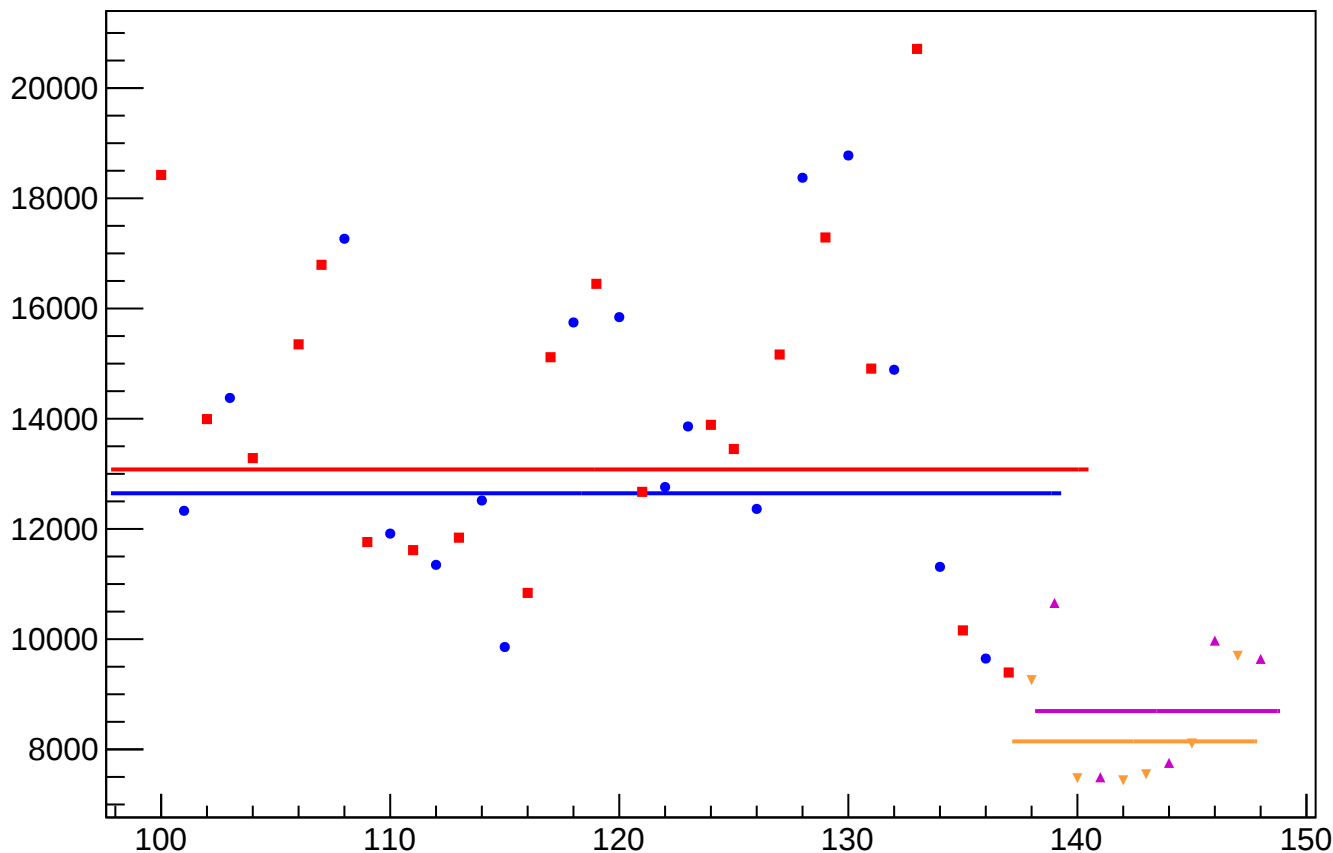
Left In: 0.158 $\pm$ 4.372 χ^2/NDF : 2.7/4

-8.854 $\pm$ 3.146 χ^2/NDF : 40.5/22

-2.430 $\pm$ 2.273 χ^2/NDF : 68.0/47

4.591 $\pm$ 3.289 χ^2/NDF : 18.8/24

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2/NDF : 554320.4/16

Left Out: 8144.844 $\pm$ 2.849 χ^2/NDF :89414.1/5

Right Out: 13079.592 $\pm$ 3.530 χ^2/NDF : 497851.1/19

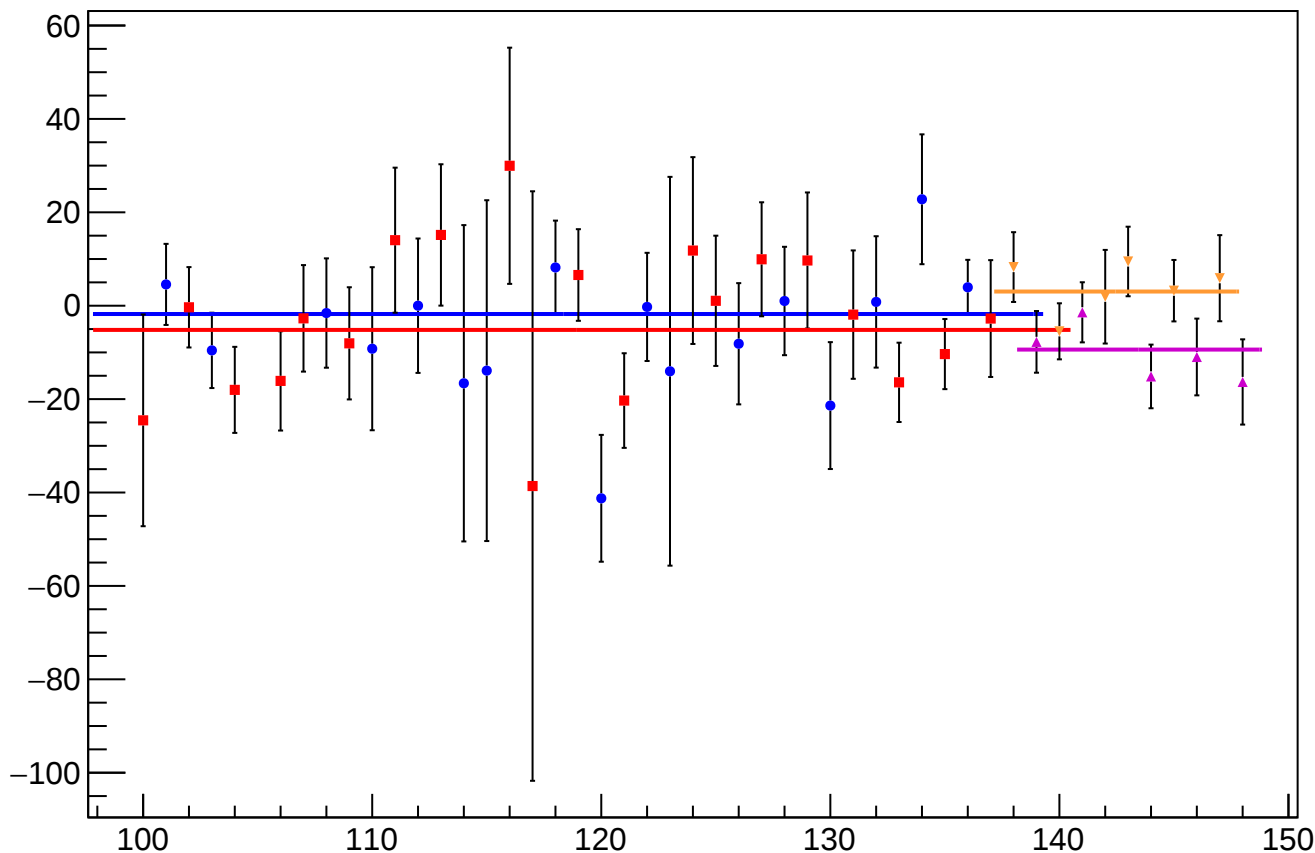
Left In: 8695.421 $\pm$ 3.092 χ^2/NDF :159543.8/4

9903.336 $\pm$ 2.224 χ^2/NDF : 1618889.2/22

10235.542 $\pm$ 1.607 χ^2/NDF : 3196013.0/4

10598.653 $\pm$ 2.326 χ^2/NDF : 1530441.7/24

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 $\pm$ 2.806 χ^2/NDF : 18.0/16

Left Out: 3.038 $\pm$ 3.036 χ^2/NDF : 3.4/5

Right Out: -5.181 $\pm$ 2.640 χ^2/NDF : 19.2/19

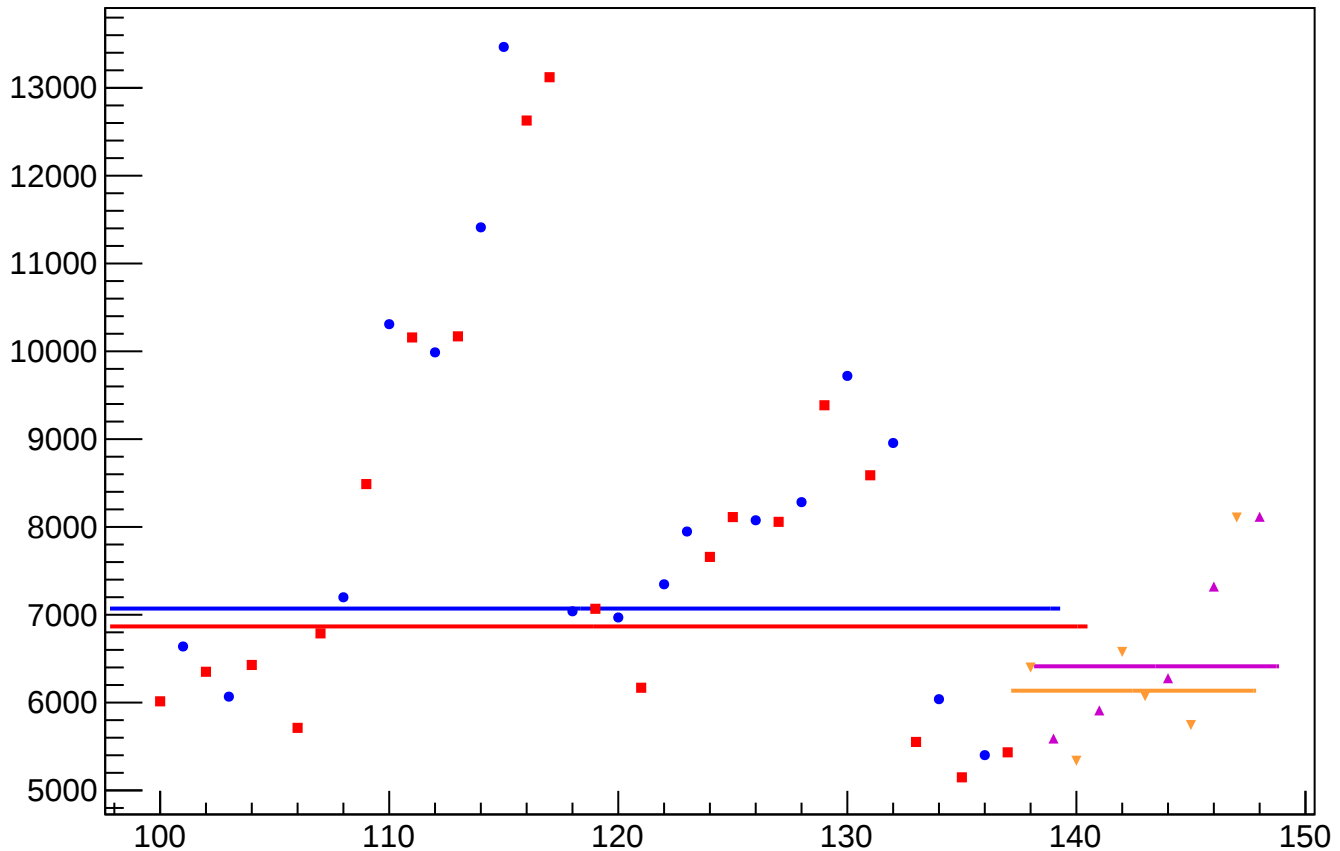
Left In: -9.394 $\pm$ 3.237 χ^2/NDF : 2.9/4

0.442 $\pm$ 2.061 χ^2/NDF : 22.7/22

-3.237 $\pm$ 1.452 χ^2/NDF : 52.2/47

-6.863 $\pm$ 2.046 χ^2/NDF : 23.1/24

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2/NDF : 601692.5/16

Left Out: 6135.290 $\pm$ 2.146 χ^2/NDF : 140349.2/5

Right Out: 6867.094 $\pm$ 1.866 χ^2/NDF : 701892.5/19

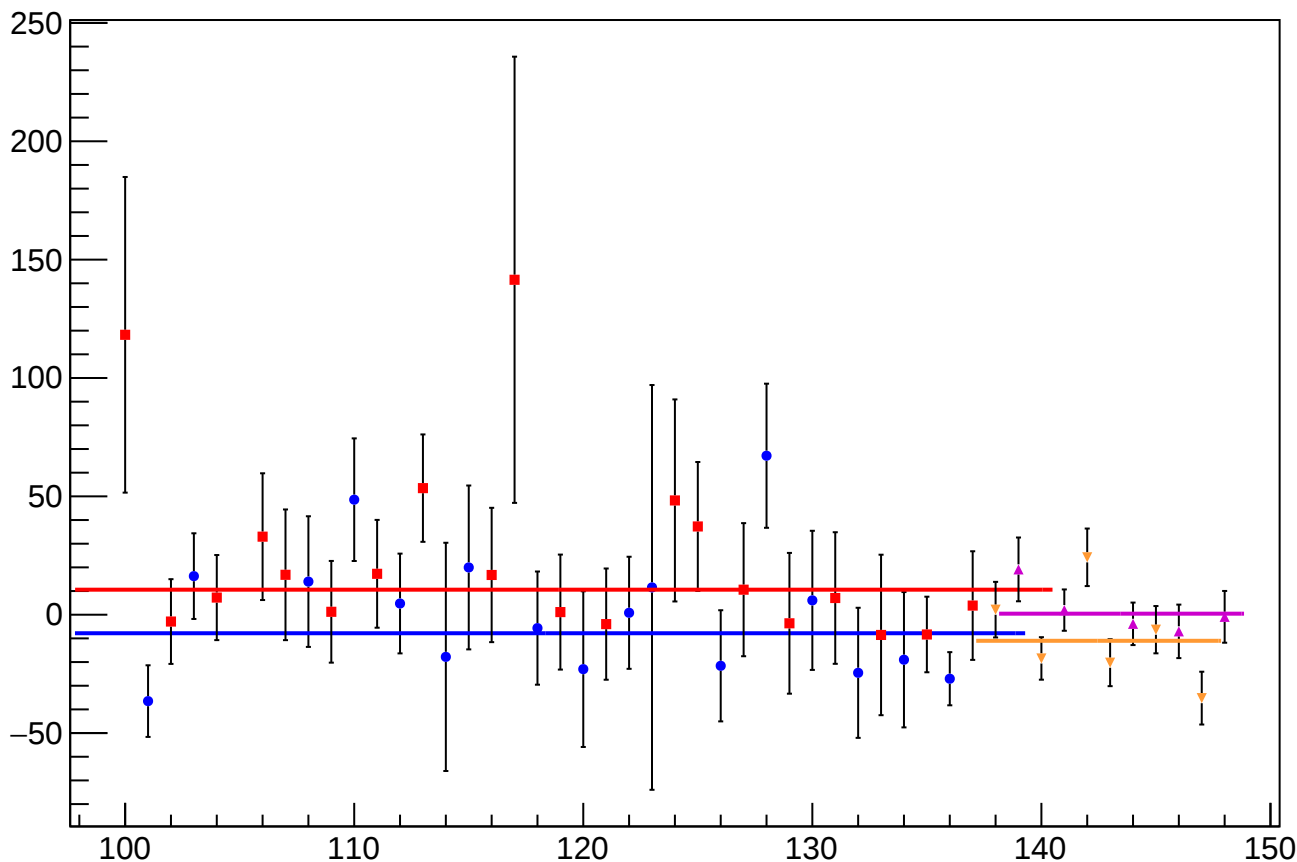
Left In: 6413.129 $\pm$ 2.289 χ^2/NDF : 138016.2/4

6639.675 $\pm$ 1.457 χ^2/NDF : 844446.2/22

6662.915 $\pm$ 1.027 χ^2/NDF : 1708481.9/47

6685.823 $\pm$ 1.447 χ^2/NDF : 863530.5/24

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 $\pm$ 5.516 χ^2/NDF : 22.3/16

Left Out: -11.017 $\pm$ 4.278 χ^2/NDF : 16.2/5

Right Out: 10.574 $\pm$ 5.561 χ^2/NDF : 14.1/19

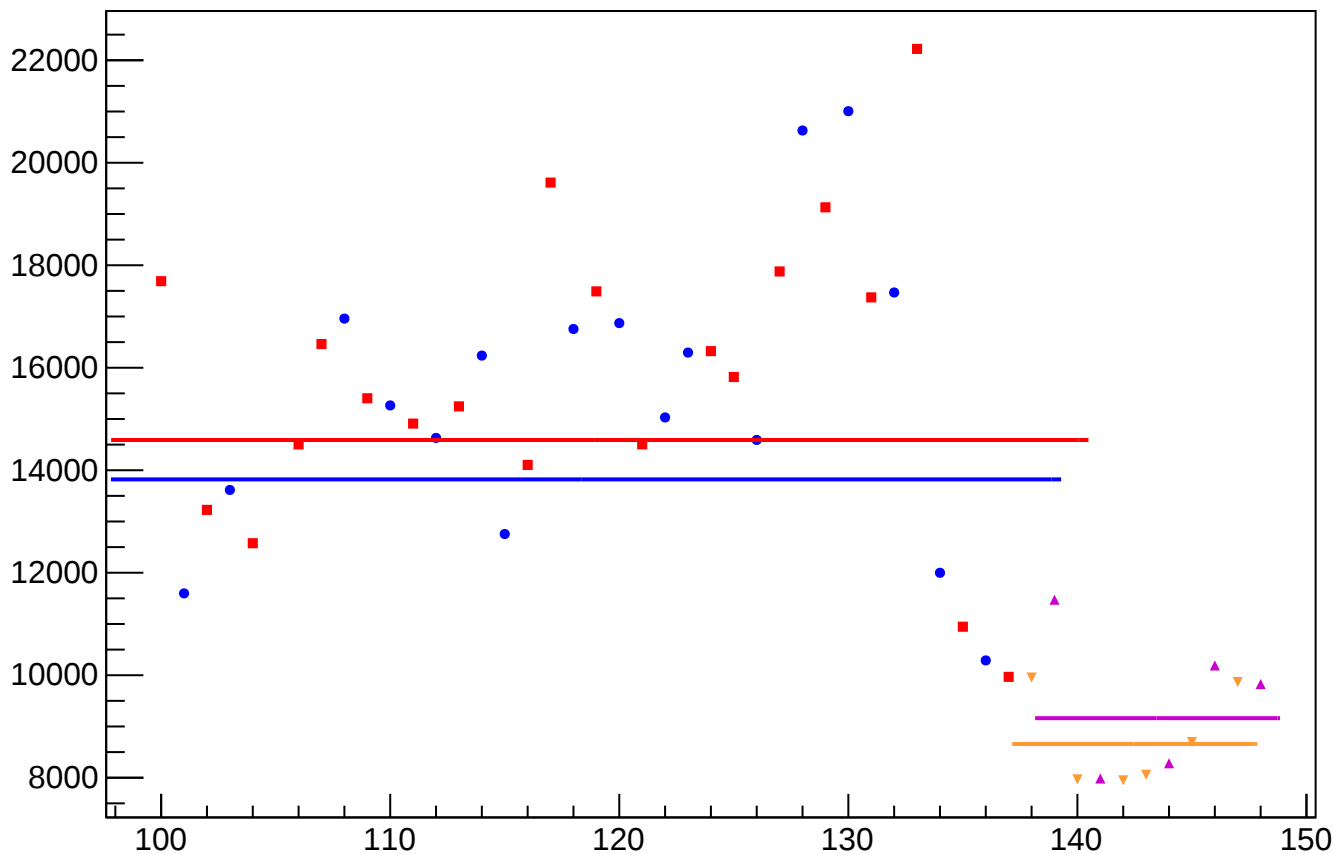
Left In: 0.437 $\pm$ 4.601 χ^2/NDF : 2.6/4

-9.818 $\pm$ 3.380 χ^2/NDF : 38.6/22

-2.973 $\pm$ 2.446 χ^2/NDF : 66.0/47

4.556 $\pm$ 3.545 χ^2/NDF : 18.7/24

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 8658.442+/-3.025 χ^2/NDF : 73867.4/5

Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

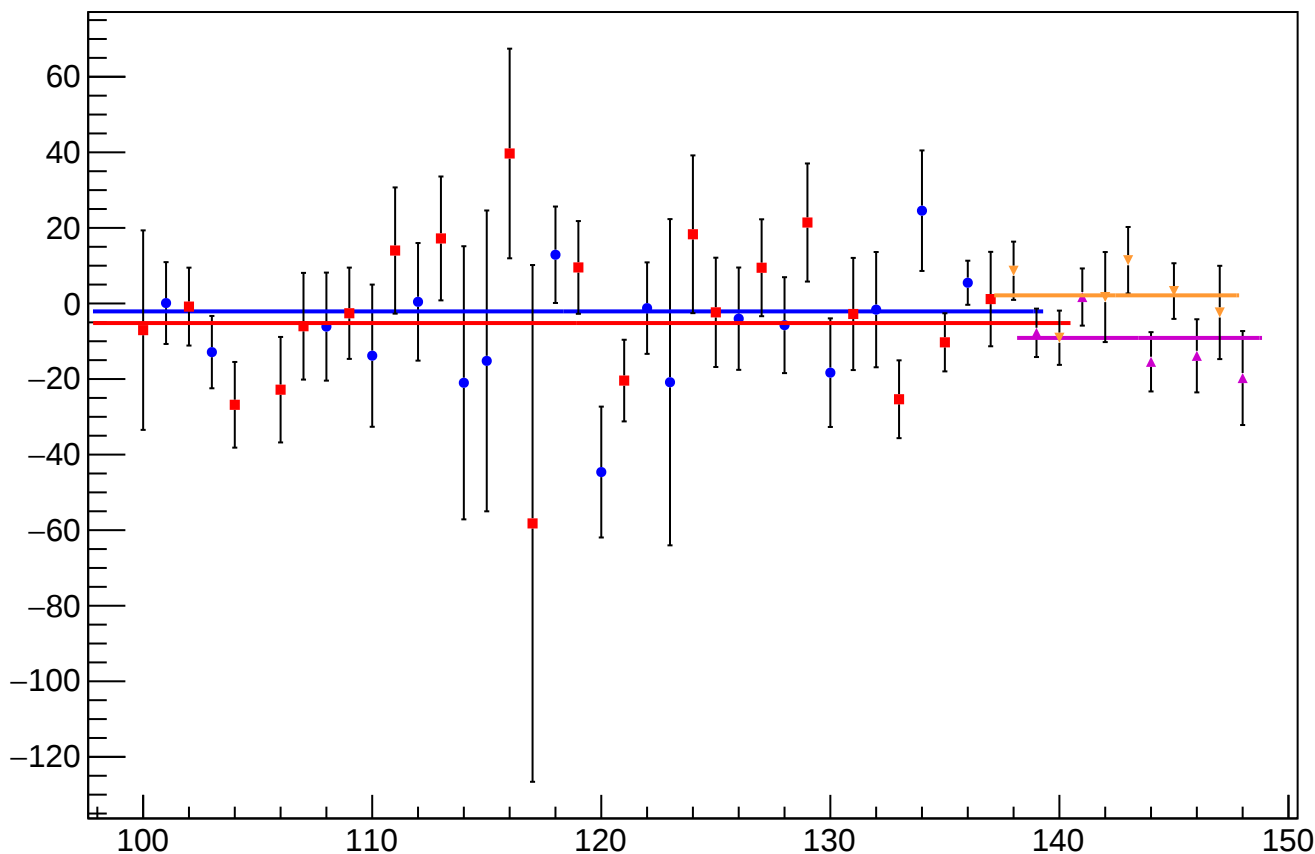
Left In: 9162.133+/-3.253 χ^2/NDF : 138469.0/4

10597.597+/-2.390 χ^2/NDF : 1770602.3/22

10964.244+/-1.730 χ^2/NDF : 3567685.6/4

11367.450+/-2.507 χ^2/NDF : 1747681.2/24

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 $\pm$ 3.106 χ^2/NDF : 15.6/16

Left Out: 2.148 $\pm$ 3.509 χ^2/NDF : 4.4/5

Right Out: -5.184 $\pm$ 2.959 χ^2/NDF : 25.4/19

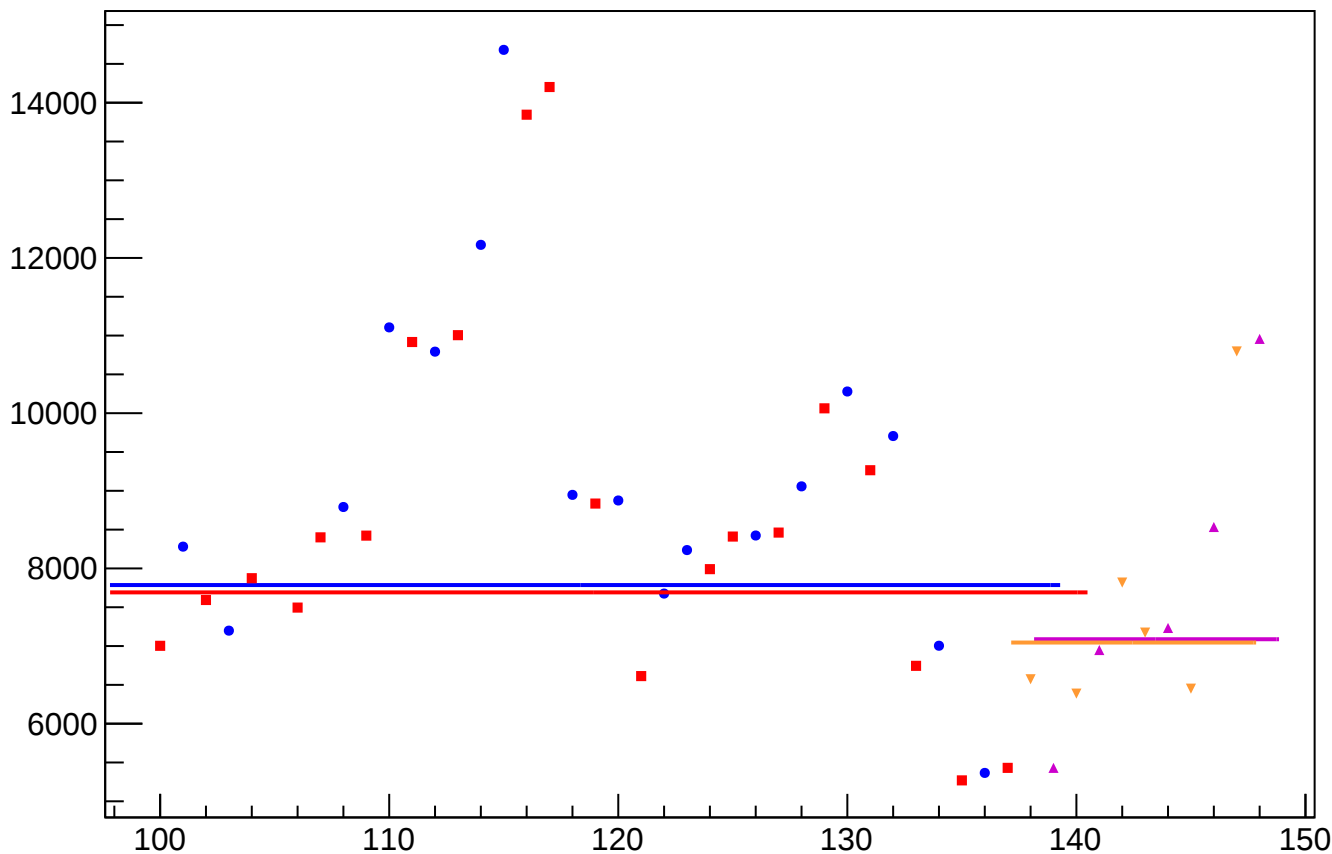
Left In: -9.119 $\pm$ 3.646 χ^2/NDF : 3.7/4

-0.232 $\pm$ 2.326 χ^2/NDF : 20.9/22

-3.530 $\pm$ 1.635 χ^2/NDF : 54.6/47

-6.747 $\pm$ 2.298 χ^2/NDF : 29.8/24

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7045.368 $\pm$ 2.482 χ^2 /NDF: 230719.0/5

Right Out: 7691.398 $\pm$ 2.093 χ^2 /NDF: 686898.9/19

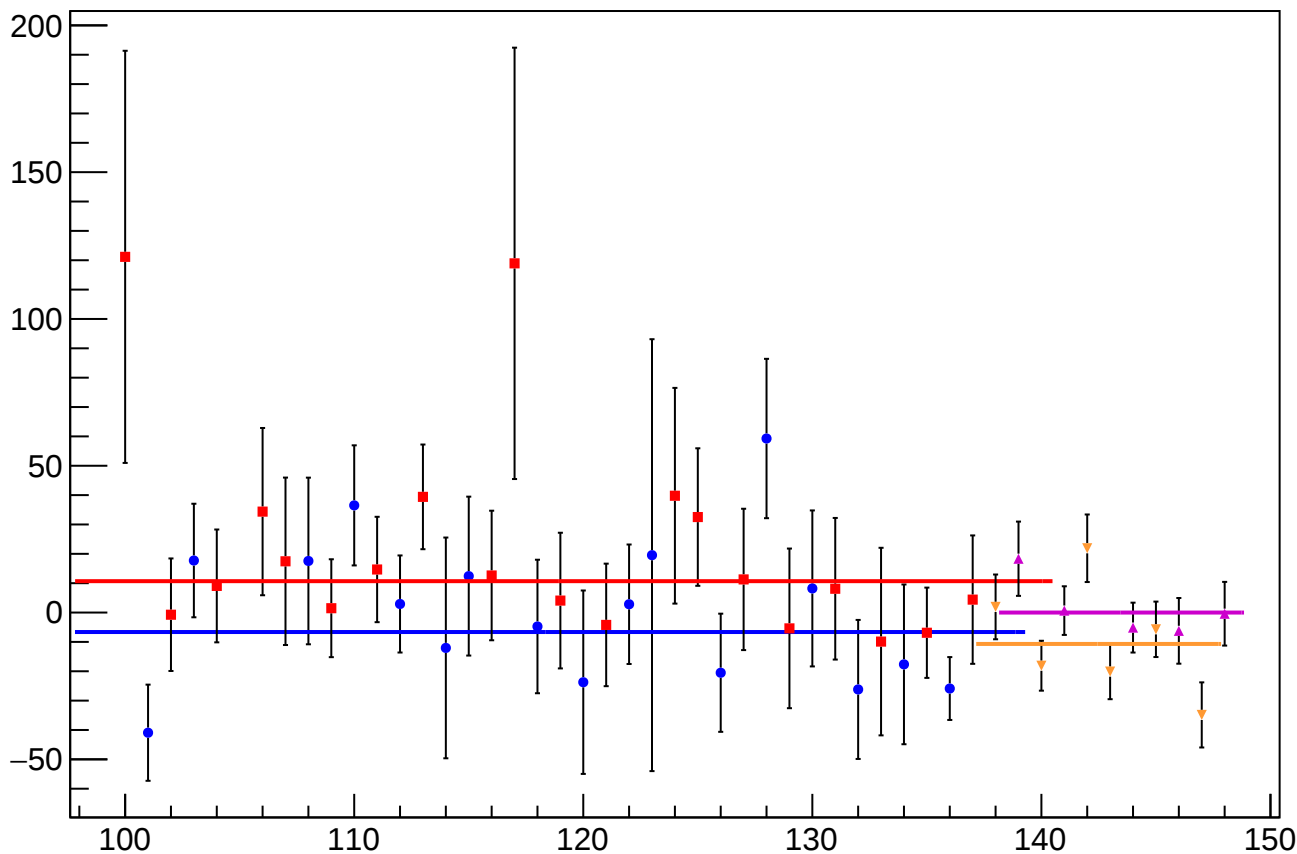
Left In: 7087.785 $\pm$ 2.578 χ^2 /NDF: 373465.4/4

7460.584 $\pm$ 1.645 χ^2 /NDF: 1018755.7/22

7456.069 $\pm$ 1.156 χ^2 /NDF: 2112179.9/47

7451.663 $\pm$ 1.625 χ^2 /NDF: 1093409.3/24

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -10.694 ± 4.073 χ^2/NDF : 16.1/5

Right Out: 10.688 ± 5.063 χ^2/NDF : 13.0/19

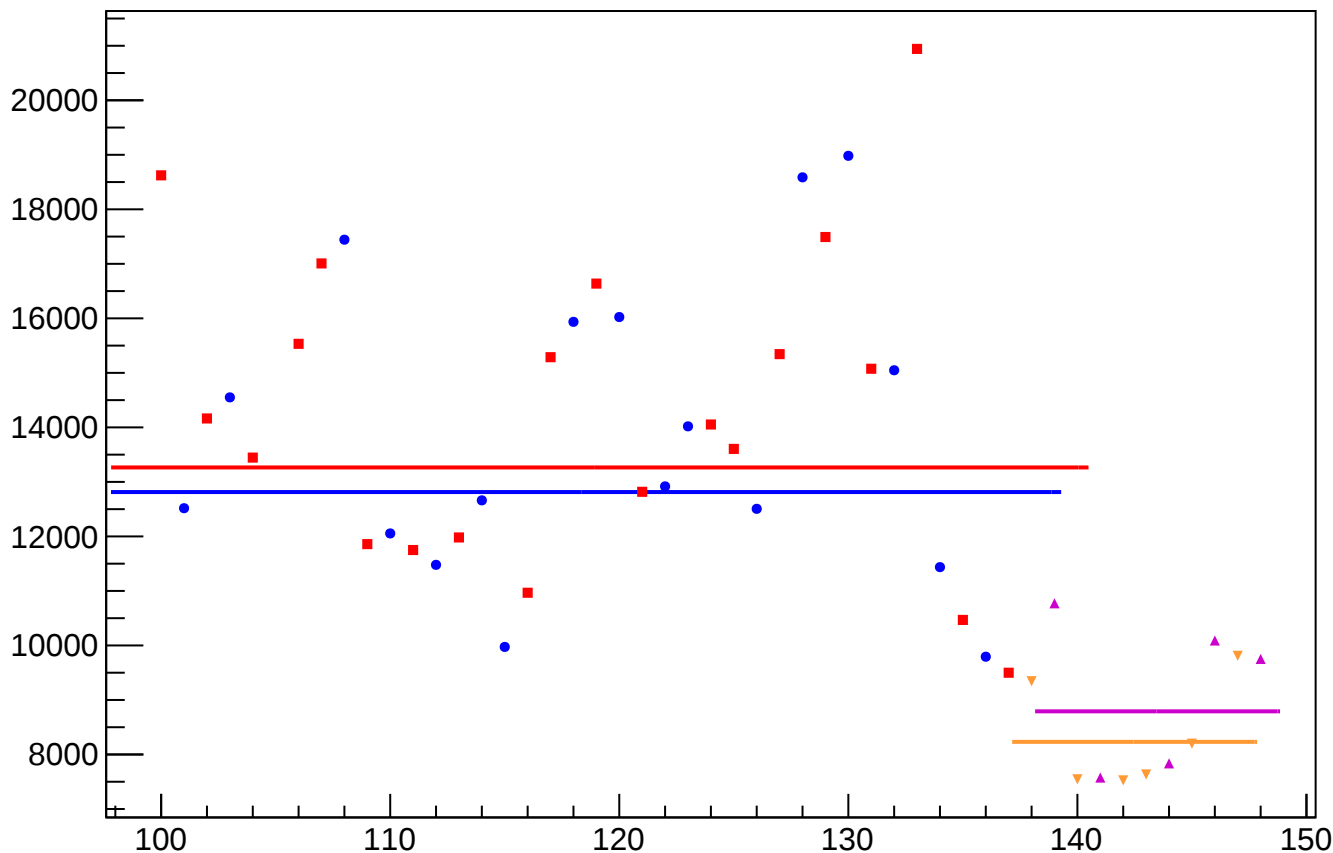
Left In: -0.001 ± 4.420 χ^2/NDF : 2.8/4

-9.114 ± 3.183 χ^2/NDF : 39.9/22

-2.555 ± 2.301 χ^2/NDF : 67.1/47

4.623 ± 3.330 χ^2/NDF : 18.3/24

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726 +/- 3.607 χ^2/NDF : 548127.6/16

Left Out: 8231.619 +/- 2.880 χ^2/NDF : 89595.1/5

Right Out: 13265.185 +/- 3.580 χ^2/NDF : 485810.1/19

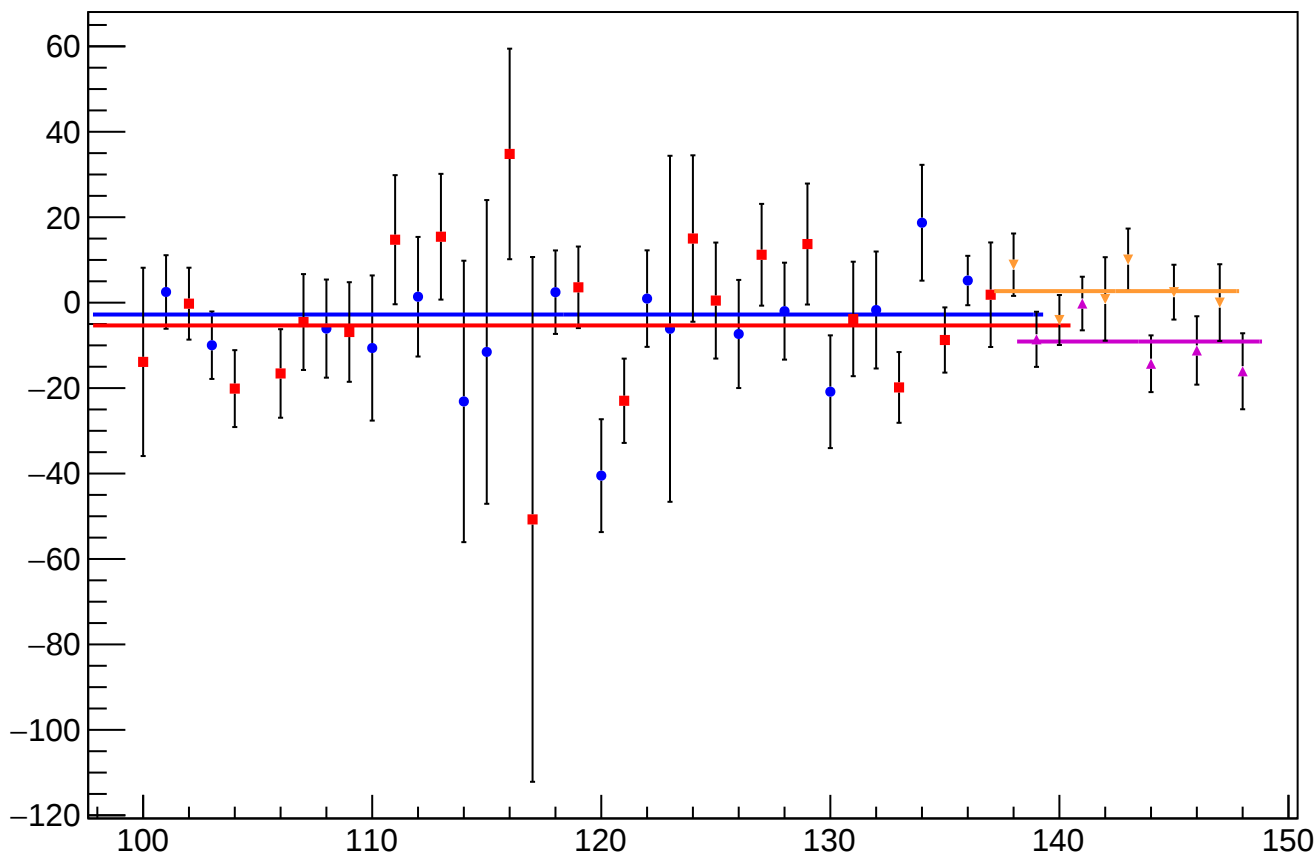
Left In: 8791.366 +/- 3.126 χ^2/NDF : 160019.1/4

10015.296 +/- 2.251 χ^2/NDF : 1623190.7/22

10354.923 +/- 1.627 χ^2/NDF : 3202904.4/4

10726.642 +/- 2.355 χ^2/NDF : 1532016.4/24

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 2.699 ± 2.961 χ^2/NDF : 3.2/5

Right Out: -5.332 ± 2.587 χ^2/NDF : 24.1/19

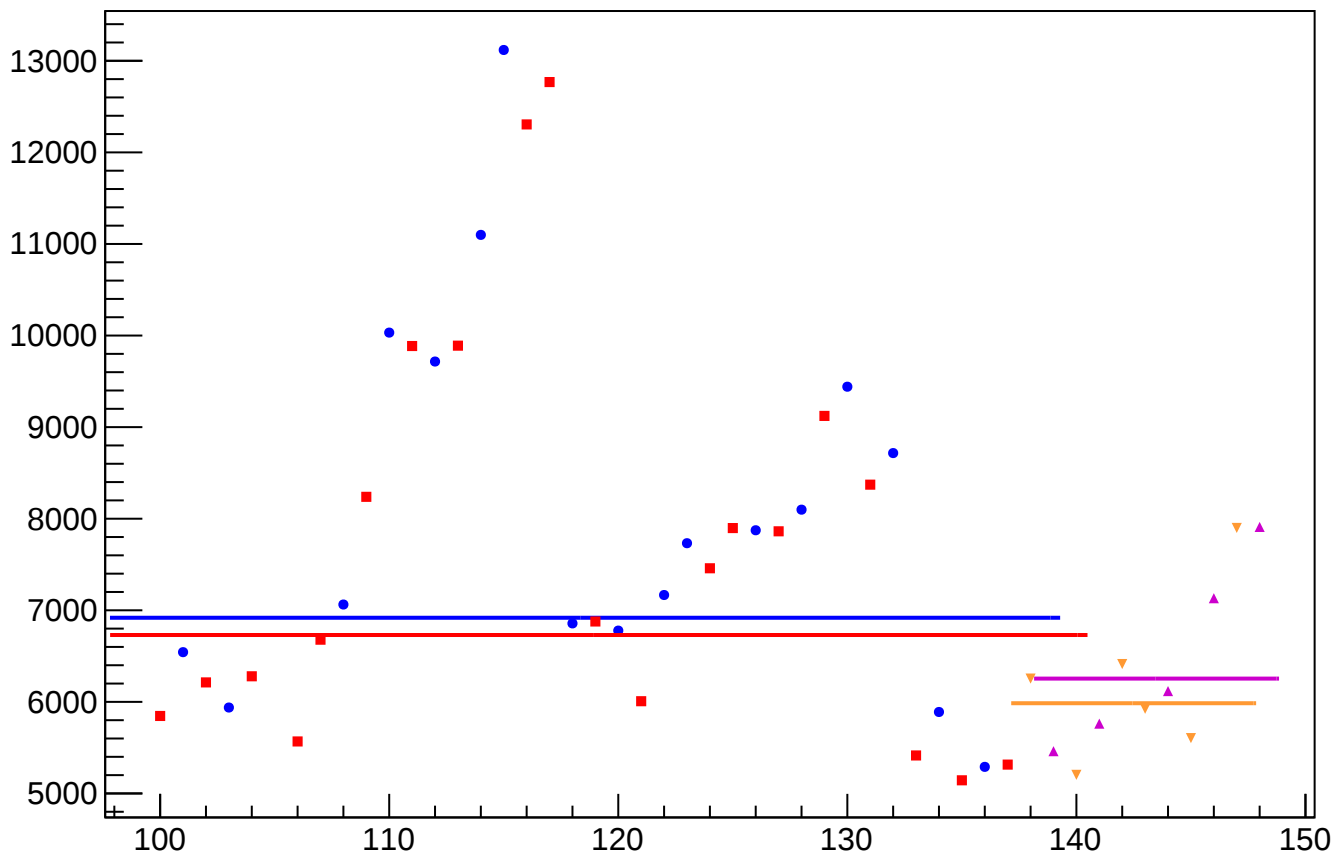
Left In: -9.099 ± 3.157 χ^2/NDF : 3.3/4

-0.245 ± 2.014 χ^2/NDF : 22.1/22

-3.566 ± 1.420 χ^2/NDF : 55.7/47

-6.846 ± 2.001 χ^2/NDF : 28.2/24

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 $\pm$ 1.943 χ^2/NDF : 587976.6/16

Left Out: 5985.228 $\pm$ 2.094 χ^2/NDF : 140232.6/5

Right Out: 6730.137 $\pm$ 1.830 χ^2/NDF : 673193.1/19

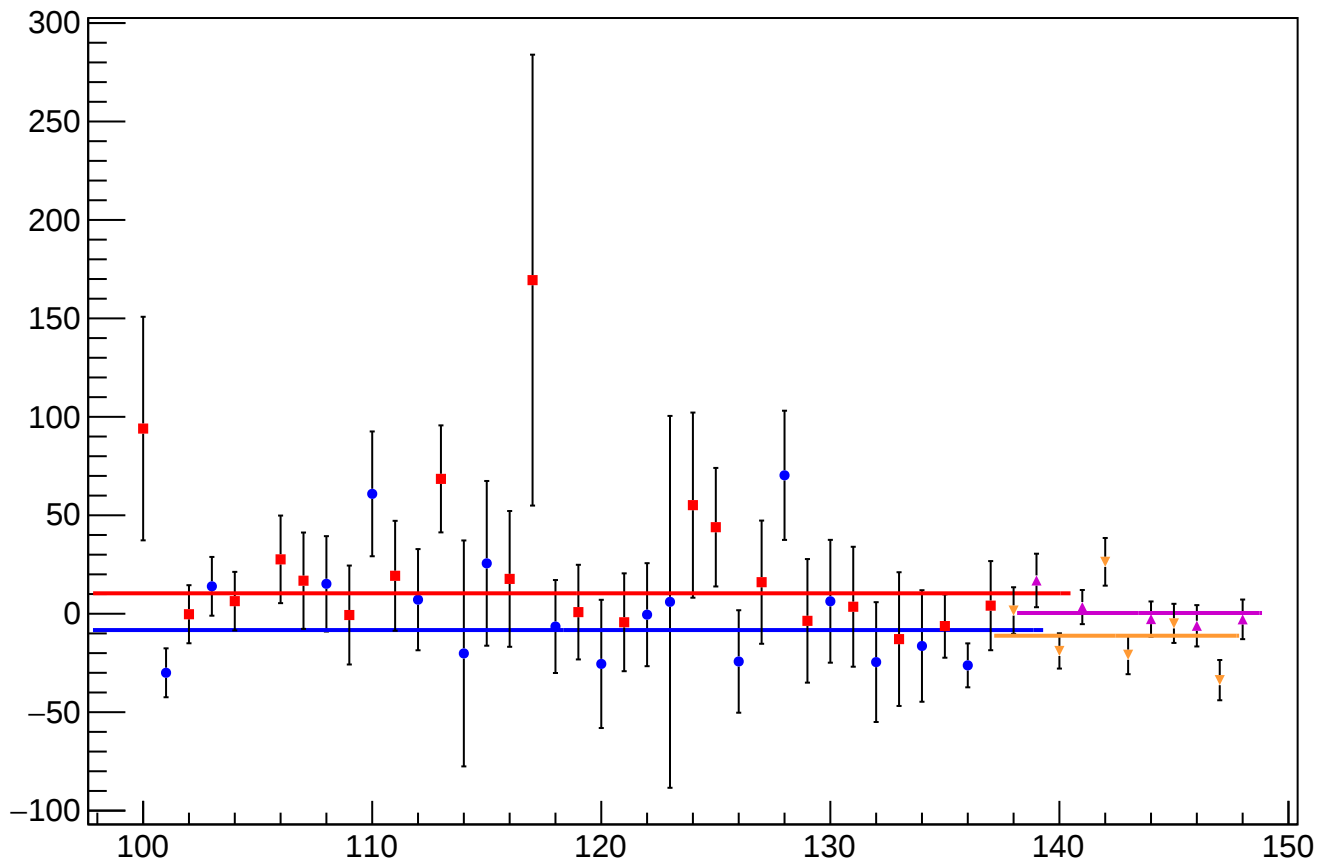
Left In: 6254.196 $\pm$ 2.232 χ^2/NDF : 136676.6/4

6486.839 $\pm$ 1.424 χ^2/NDF : 834991.9/22

6513.040 $\pm$ 1.004 χ^2/NDF : 1672725.9/47

6538.908 $\pm$ 1.415 χ^2/NDF : 837061.3/24

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 $\pm$ 5.410 χ^2/NDF : 21.7/16

Left Out: -11.164 $\pm$ 4.212 χ^2/NDF : 17.7/5

Right Out: 10.376 $\pm$ 5.507 χ^2/NDF : 14.8/19

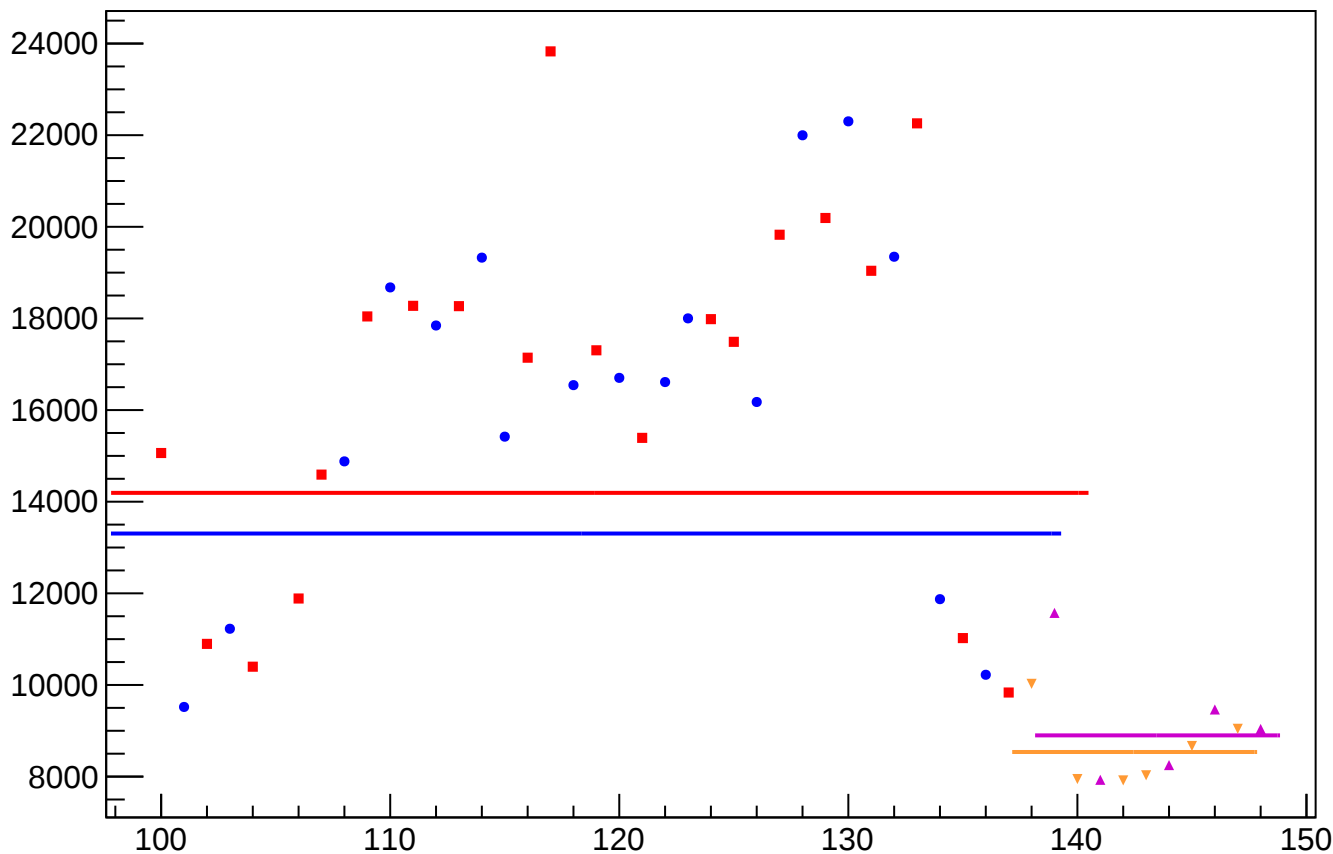
Left In: 0.381 $\pm$ 4.464 χ^2/NDF : 2.2/4

-10.078 $\pm$ 3.323 χ^2/NDF : 39.6/22

-3.173 $\pm$ 2.399 χ^2/NDF : 67.7/47

4.345 $\pm$ 3.468 χ^2/NDF : 19.0/24

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8537.140+/-2.978 χ^2/NDF : 56106.4/5

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

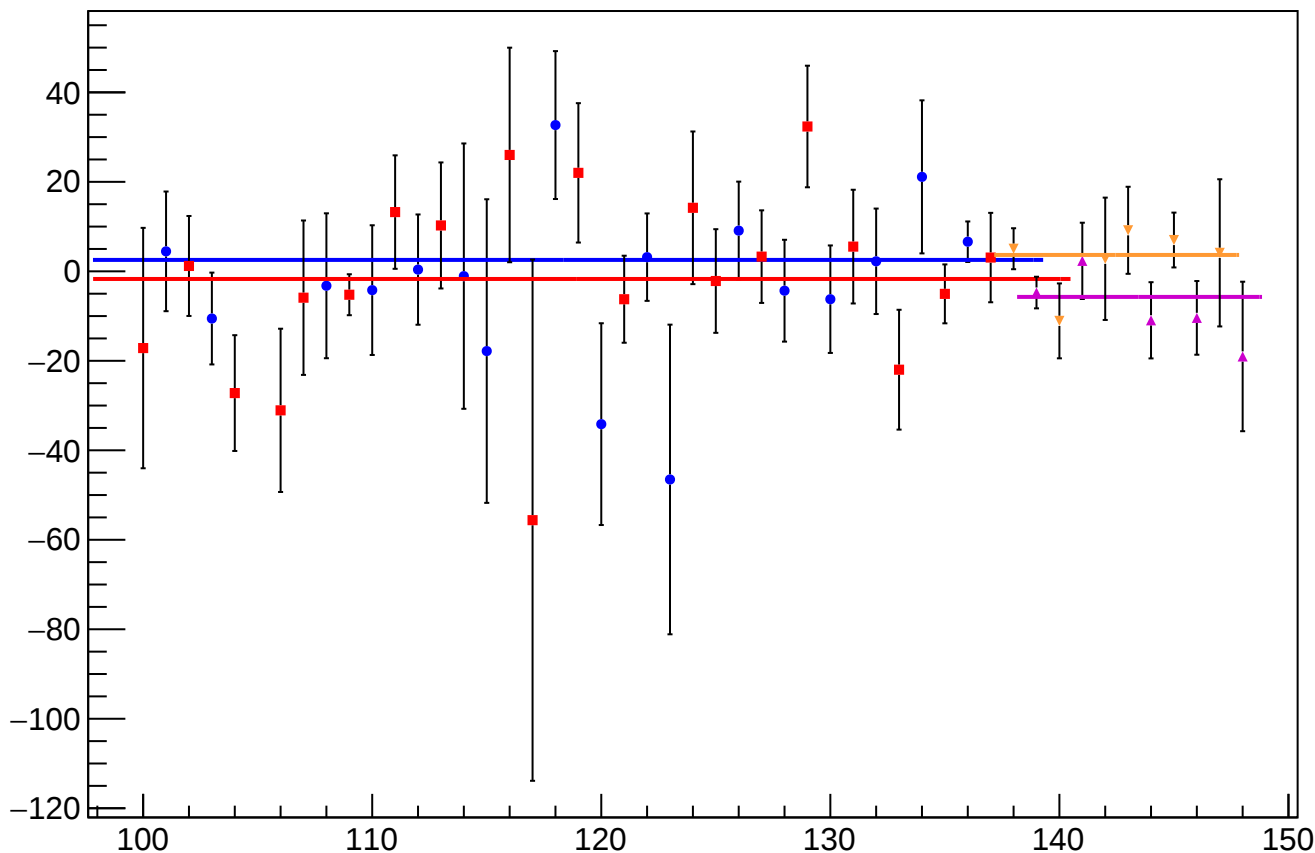
Left In: 8899.673+/-3.157 χ^2/NDF : 119118.5/4

10336.496+/-2.350 χ^2/NDF : 2067521.4/22

10653.633+/-1.697 χ^2/NDF : 4284604.2/4

10998.932+/-2.452 χ^2/NDF : 2179042.2/24

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 3.662 ± 3.040 χ^2/NDF : 3.8/5

Right Out: -1.708 ± 2.440 χ^2/NDF : 24.9/19

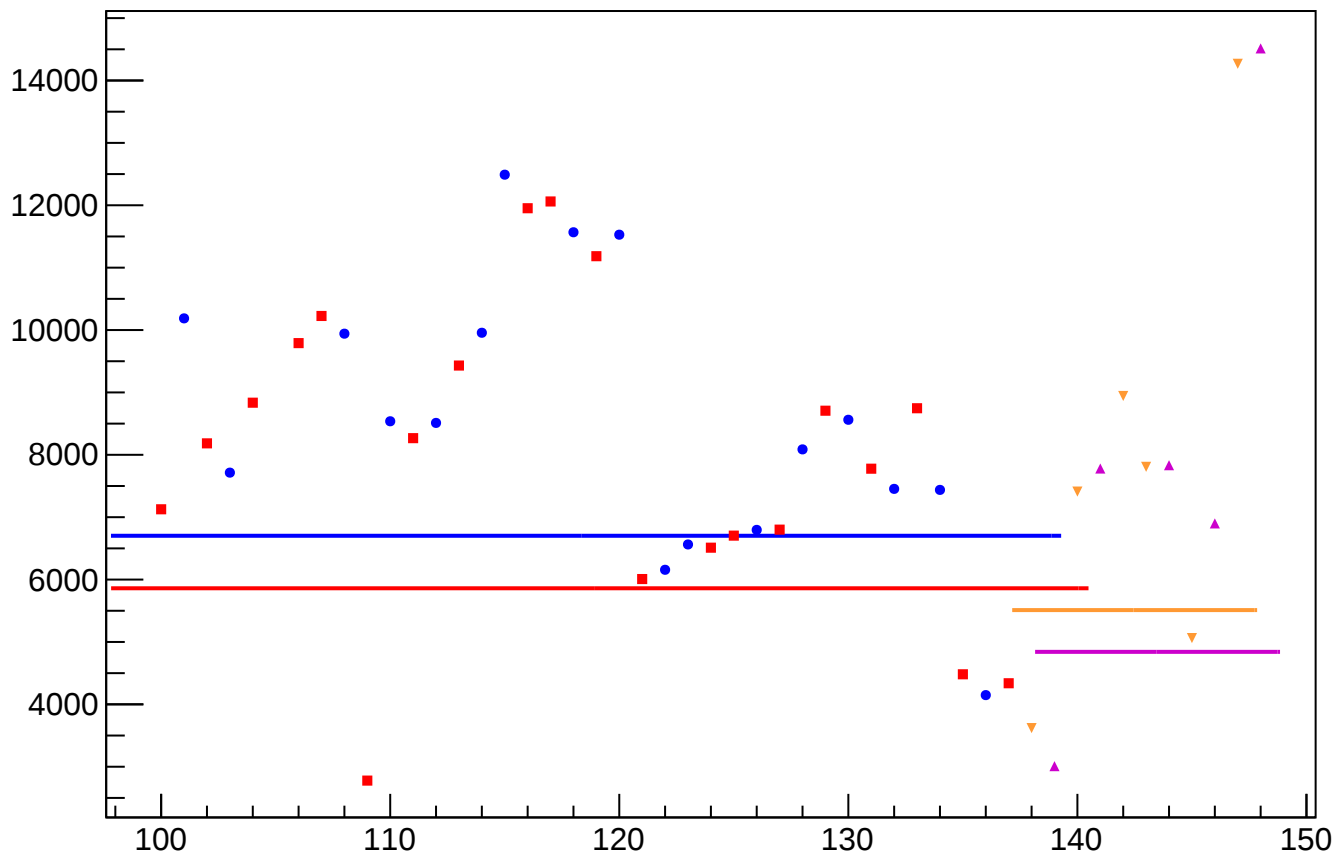
Left In: -5.717 ± 2.818 χ^2/NDF : 2.3/4

3.053 ± 2.042 χ^2/NDF : 17.5/22

-0.515 ± 1.369 χ^2/NDF : 51.4/47

-3.426 ± 1.845 χ^2/NDF : 28.3/24

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5510.841+/-2.150 χ^2/NDF : 1259367.1/5

Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

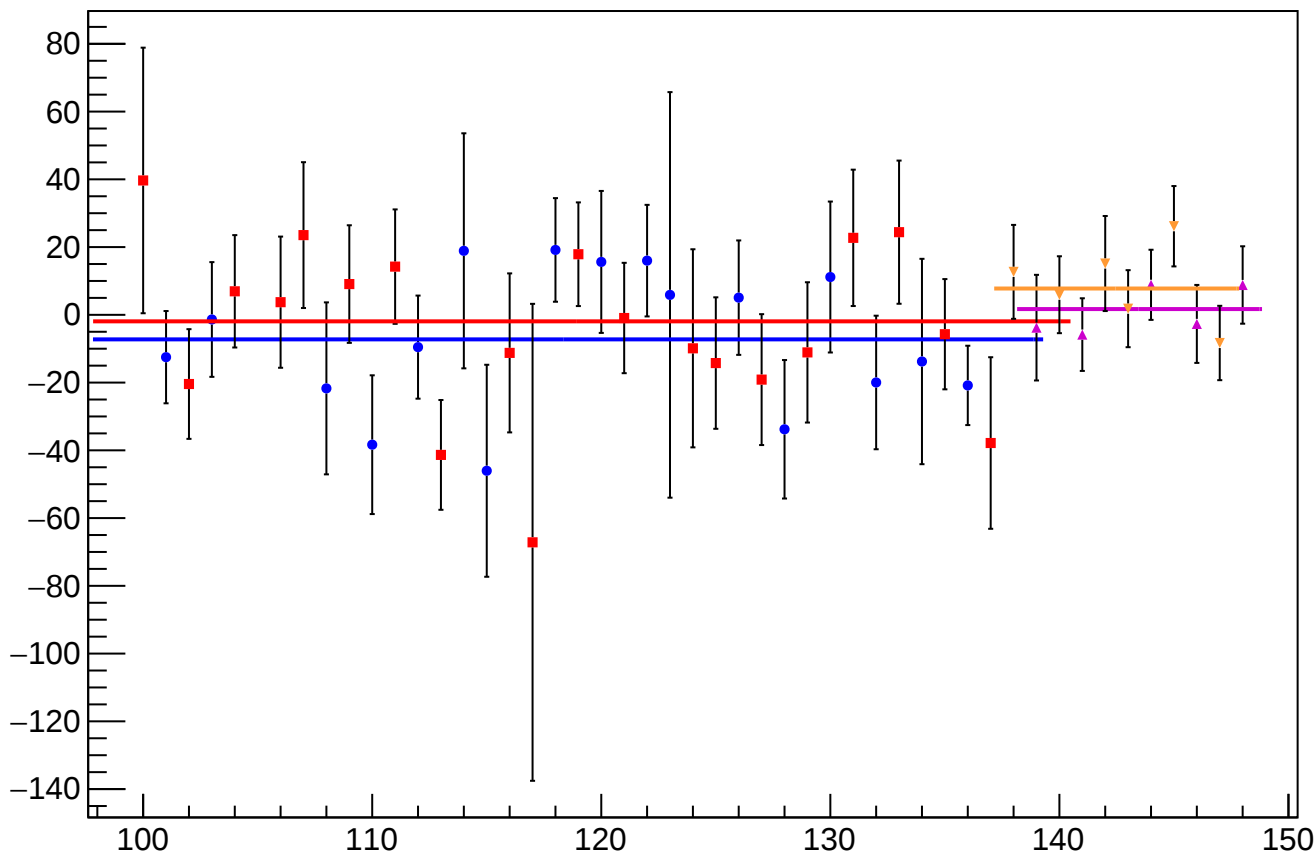
Left In: 4841.449+/-1.993 χ^2/NDF : 1817376.5/4

6164.627+/-1.444 χ^2/NDF : 2817883.7/22

5756.686+/-0.968 χ^2/NDF : 7230817.2/47

5423.828+/-1.304 χ^2/NDF : 4268008.5/24

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: 7.769 $\pm$ 4.928 χ^2/NDF : 5.3/5

Right Out: -1.922 $\pm$ 4.365 χ^2/NDF : 20.7/19

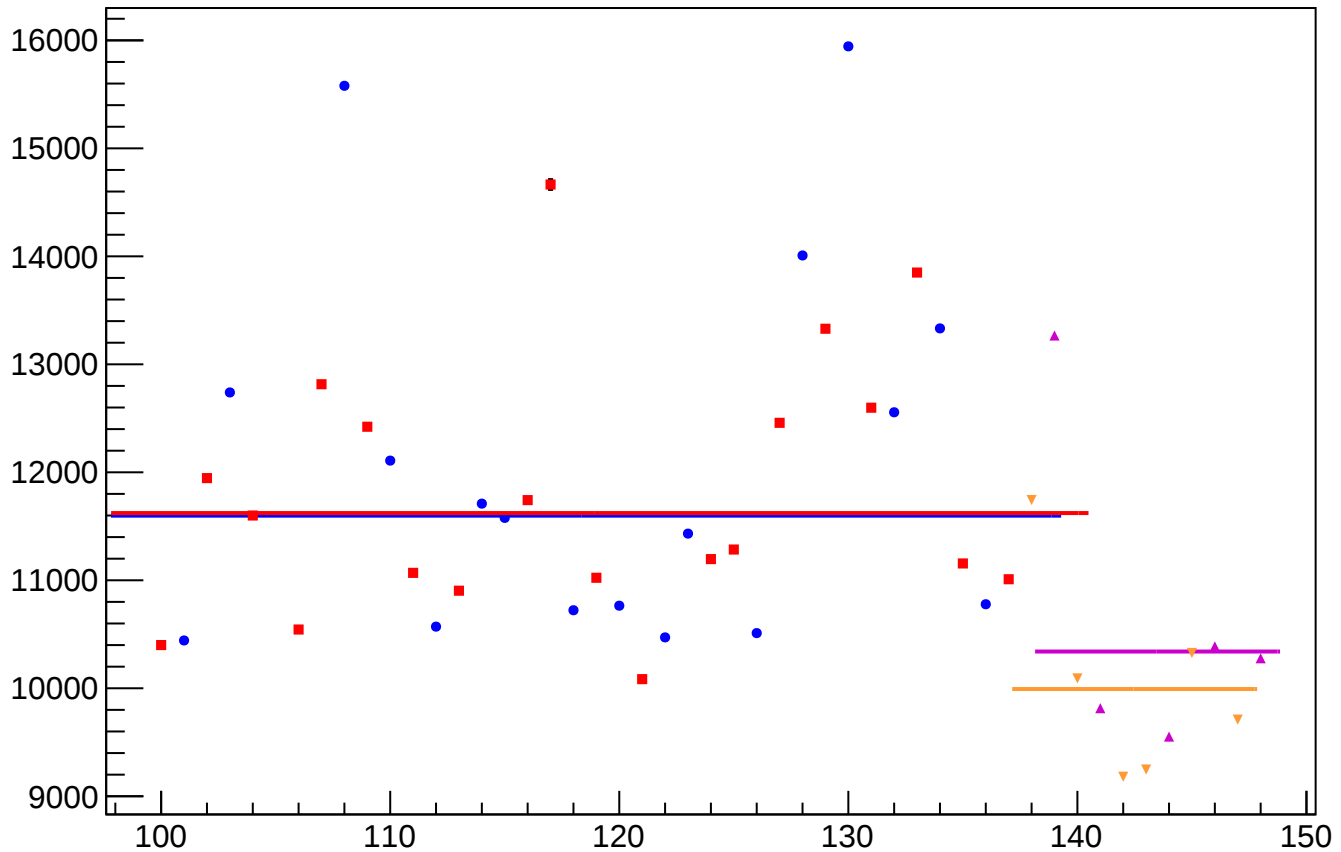
Left In: 1.703 $\pm$ 5.174 χ^2/NDF : 1.6/4

-0.340 $\pm$ 3.342 χ^2/NDF : 26.2/22

-0.378 $\pm$ 2.361 χ^2/NDF : 48.8/47

-0.415 $\pm$ 3.336 χ^2/NDF : 22.6/24

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 9993.079+/-3.484 χ^2/NDF : 50237.5/5

Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

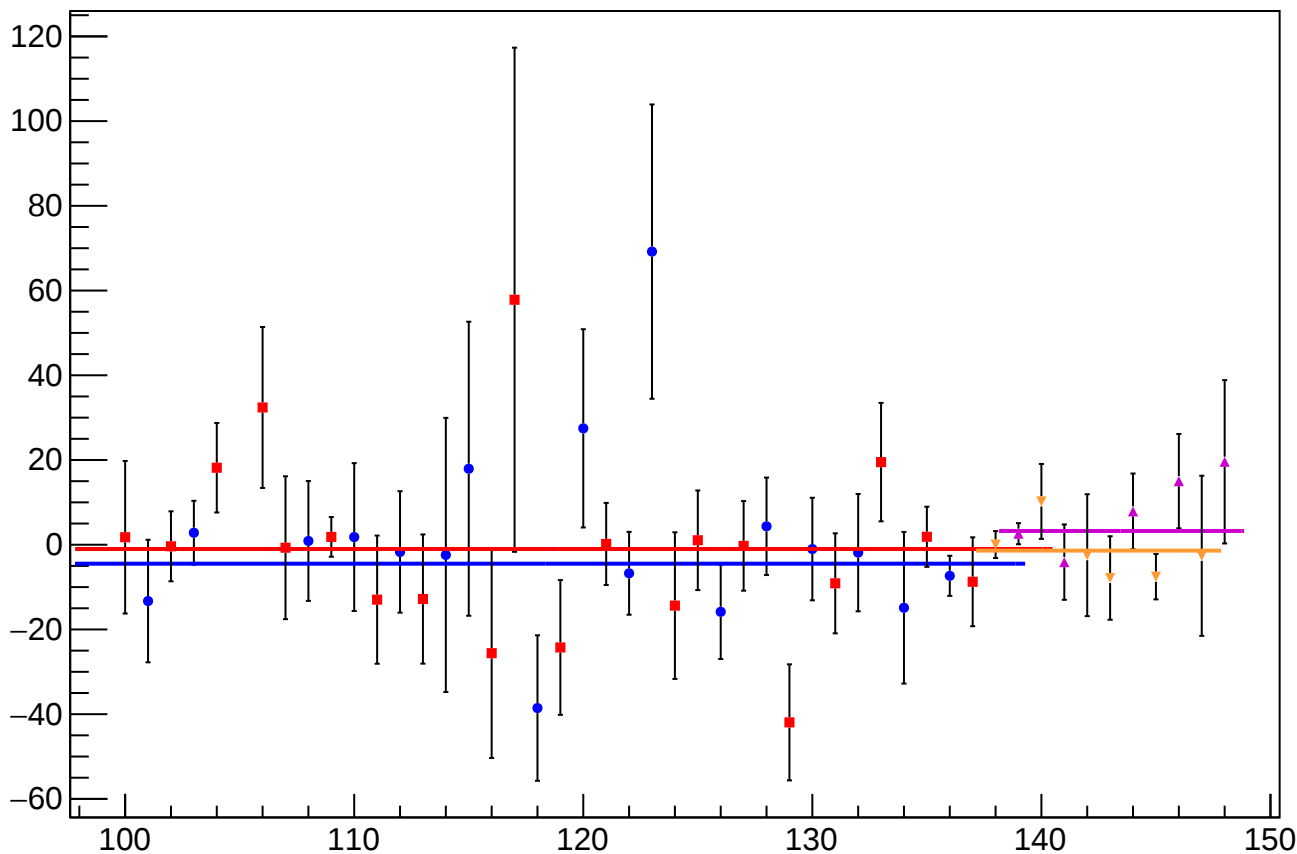
Left In: 10340.337+/-3.659 χ^2/NDF : 86927.0/4

10860.317+/-2.363 χ^2/NDF : 400361.1/22

10975.121+/-1.669 χ^2/NDF : 661974.8/47

11089.548+/-2.359 χ^2/NDF : 256900.2/24

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -1.389 ± 2.464 χ^2/NDF : 3.7/5

Right Out: -1.007 ± 2.427 χ^2/NDF : 25.0/19

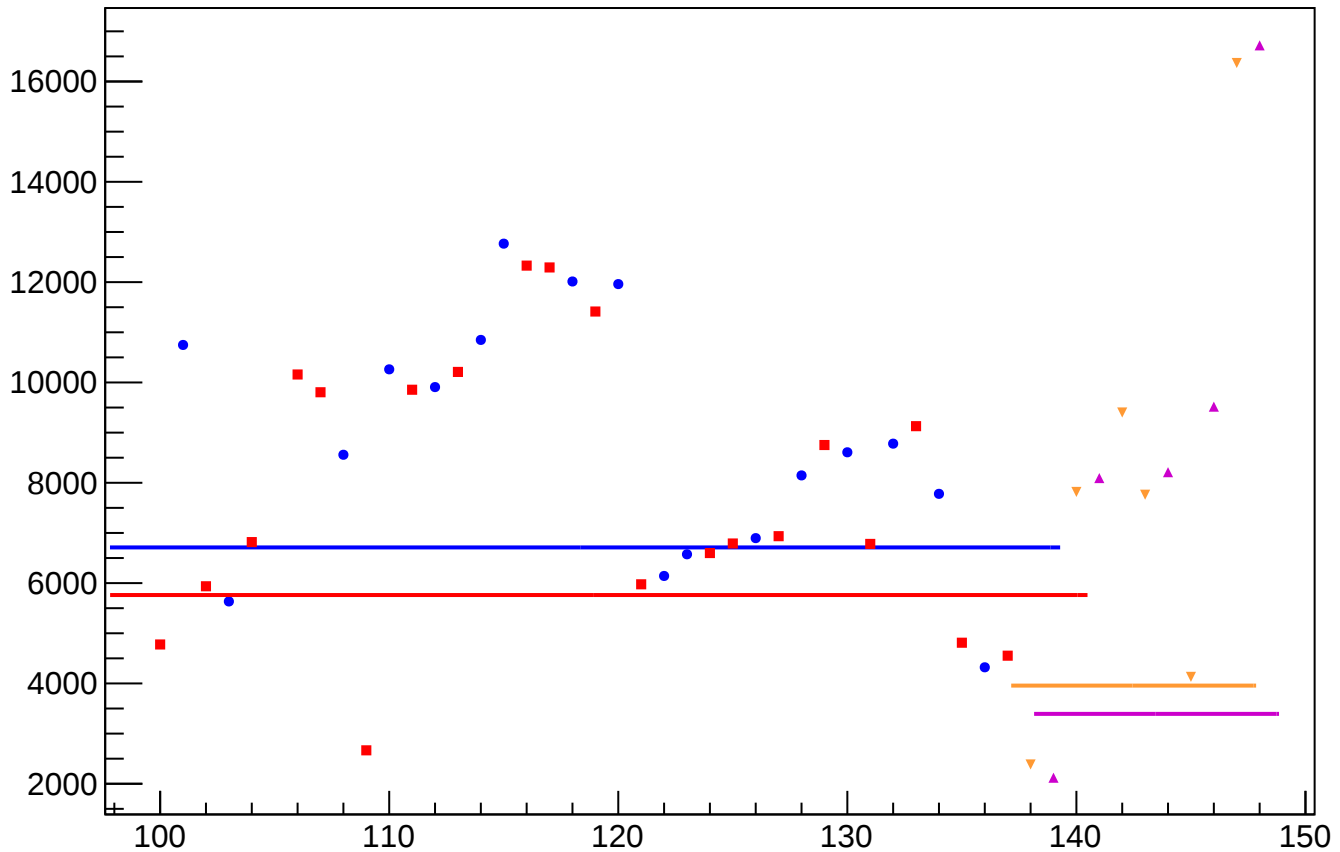
Left In: 3.251 ± 2.253 χ^2/NDF : 2.9/4

-2.746 ± 1.845 χ^2/NDF : 19.2/22

-0.510 ± 1.230 χ^2/NDF : 51.4/47

1.280 ± 1.651 χ^2/NDF : 29.5/24

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 +/- 1.967 χ^2/NDF : 1446972.0/16

Left Out: 3956.927 +/- 1.743 χ^2/NDF : 2320340.8/5

Right Out: 5762.387 +/- 1.716 χ^2/NDF : 2189239.7/19

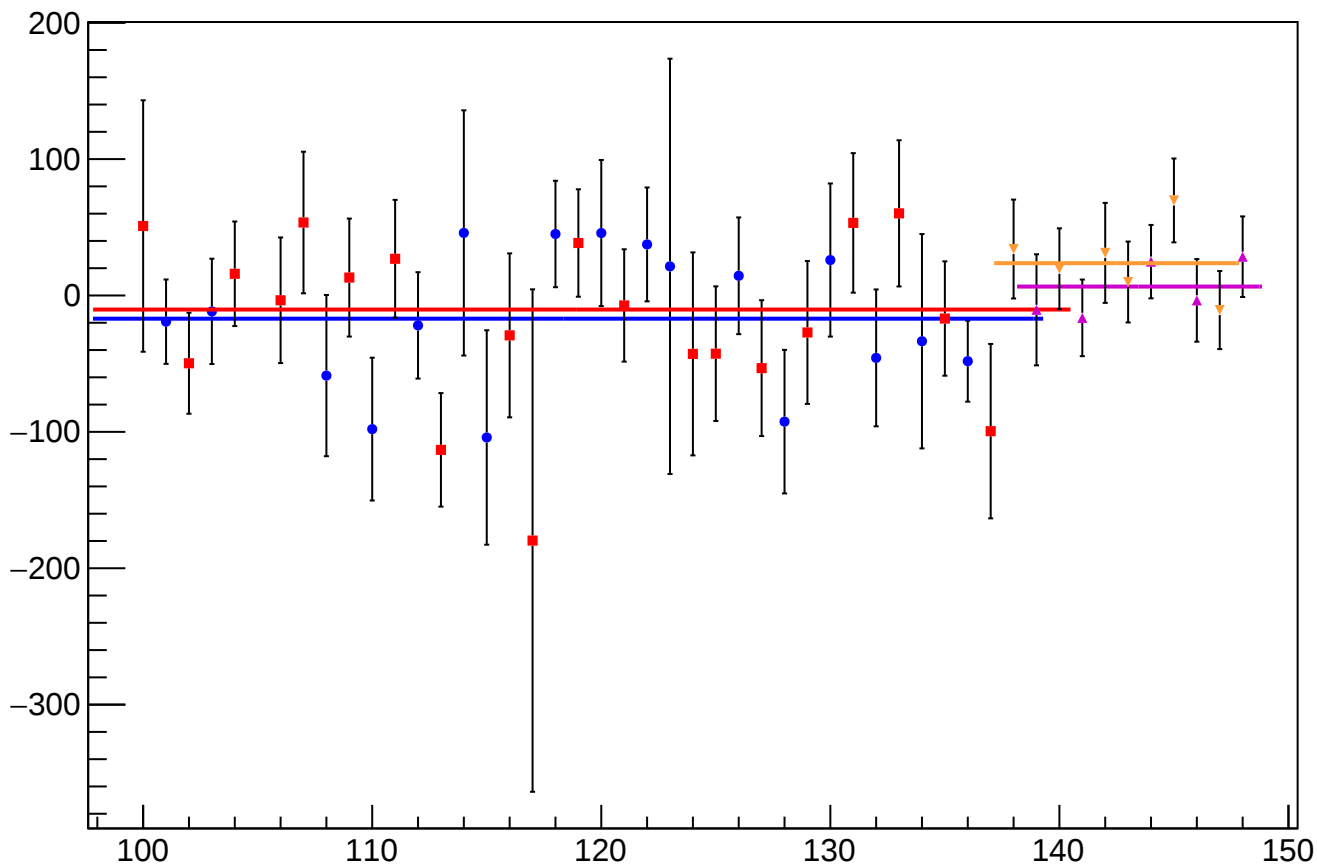
Left In: 3393.205 +/- 1.593 χ^2/NDF : 3223643.6/4

5168.262 +/- 1.304 χ^2/NDF : 4866118.6/22

4791.453 +/- 0.870 χ^2/NDF : 11453223.8/4

4489.603 +/- 1.167 χ^2/NDF : 6436797.1/24

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 $\pm$ 11.287 χ^2/NDF : 15.0/16

Left Out: 23.679 $\pm$ 12.846 χ^2/NDF : 4.0/5

Right Out: -10.311 $\pm$ 10.872 χ^2/NDF : 19.9/19

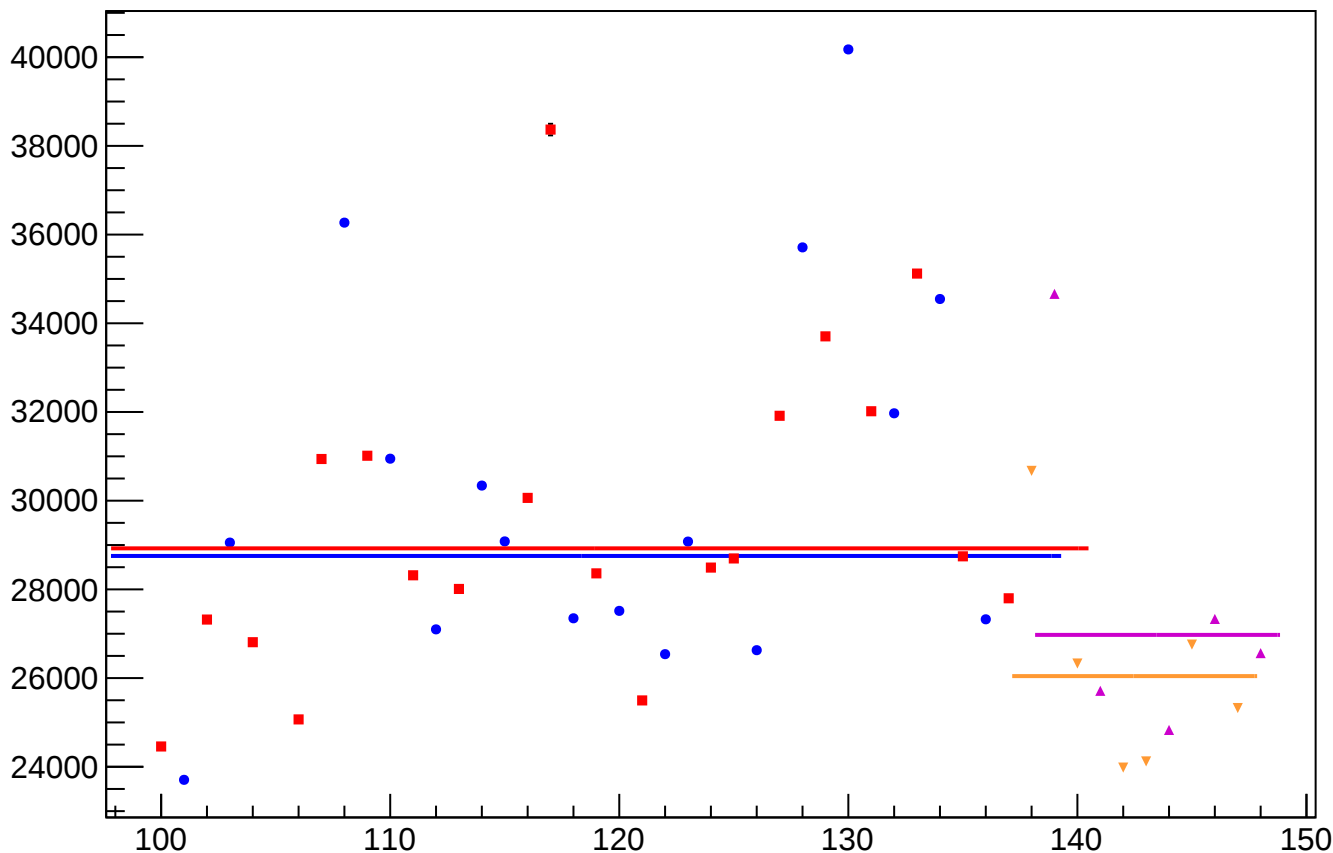
Left In: 6.534 $\pm$ 13.499 χ^2/NDF : 2.0/4

0.718 $\pm$ 8.479 χ^2/NDF : 24.7/22

-1.486 $\pm$ 5.991 χ^2/NDF : 47.6/47

-3.684 $\pm$ 8.467 χ^2/NDF : 22.8/24

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787 ± 7.981 χ^2/NDF : 249215.1/16

Left Out: 26044.561 ± 9.083 χ^2/NDF : 49877.9/5

Right Out: 28925.160 ± 7.687 χ^2/NDF : 116514.7/19

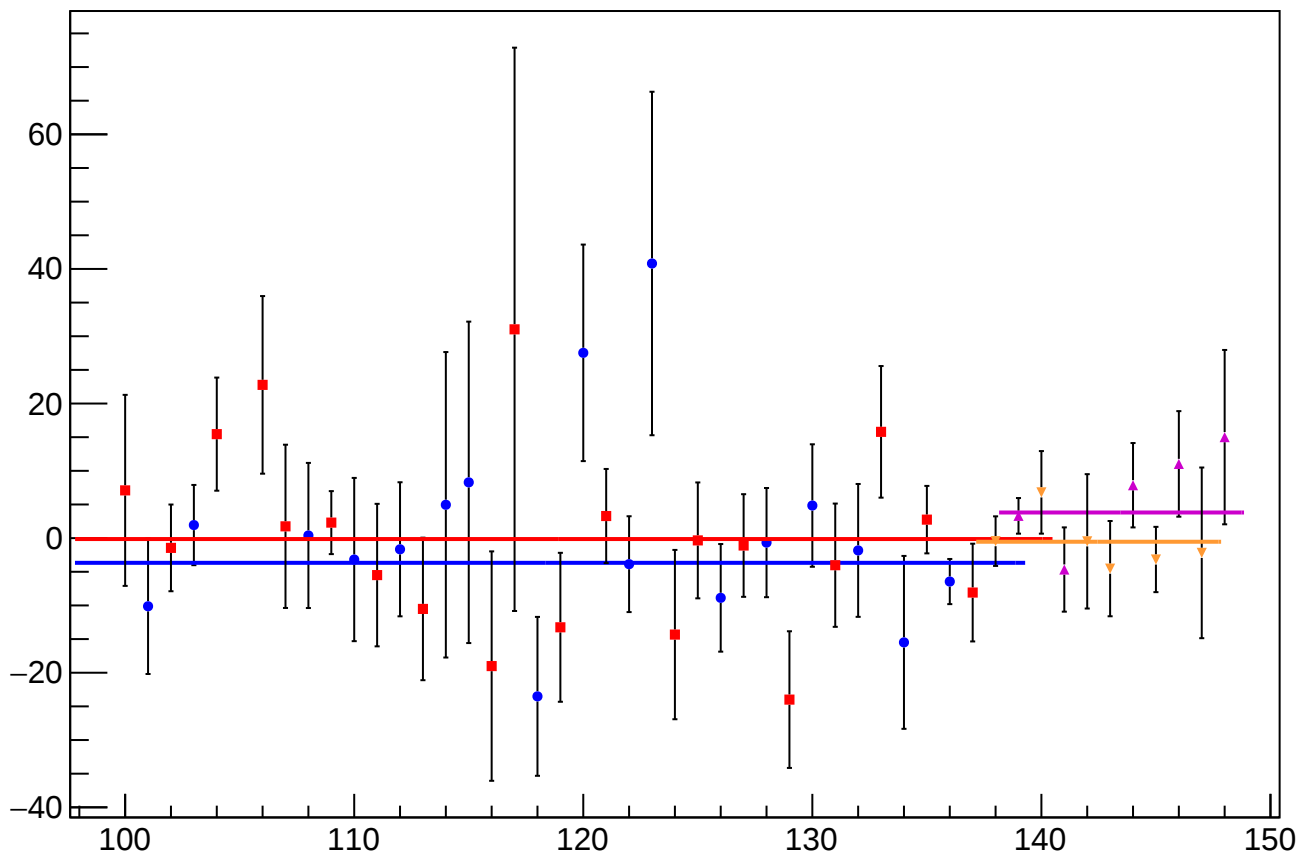
Left In: 26973.897 ± 9.545 χ^2/NDF : 88695.7/4

27573.427 ± 5.996 χ^2/NDF : 349295.4/22

27865.858 ± 4.237 χ^2/NDF : 584604.6/47

28157.473 ± 5.987 χ^2/NDF : 230557.9/24

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.536 ± 2.364 χ^2/NDF : 2.1/5

Right Out: -0.135 ± 1.891 χ^2/NDF : 22.9/19

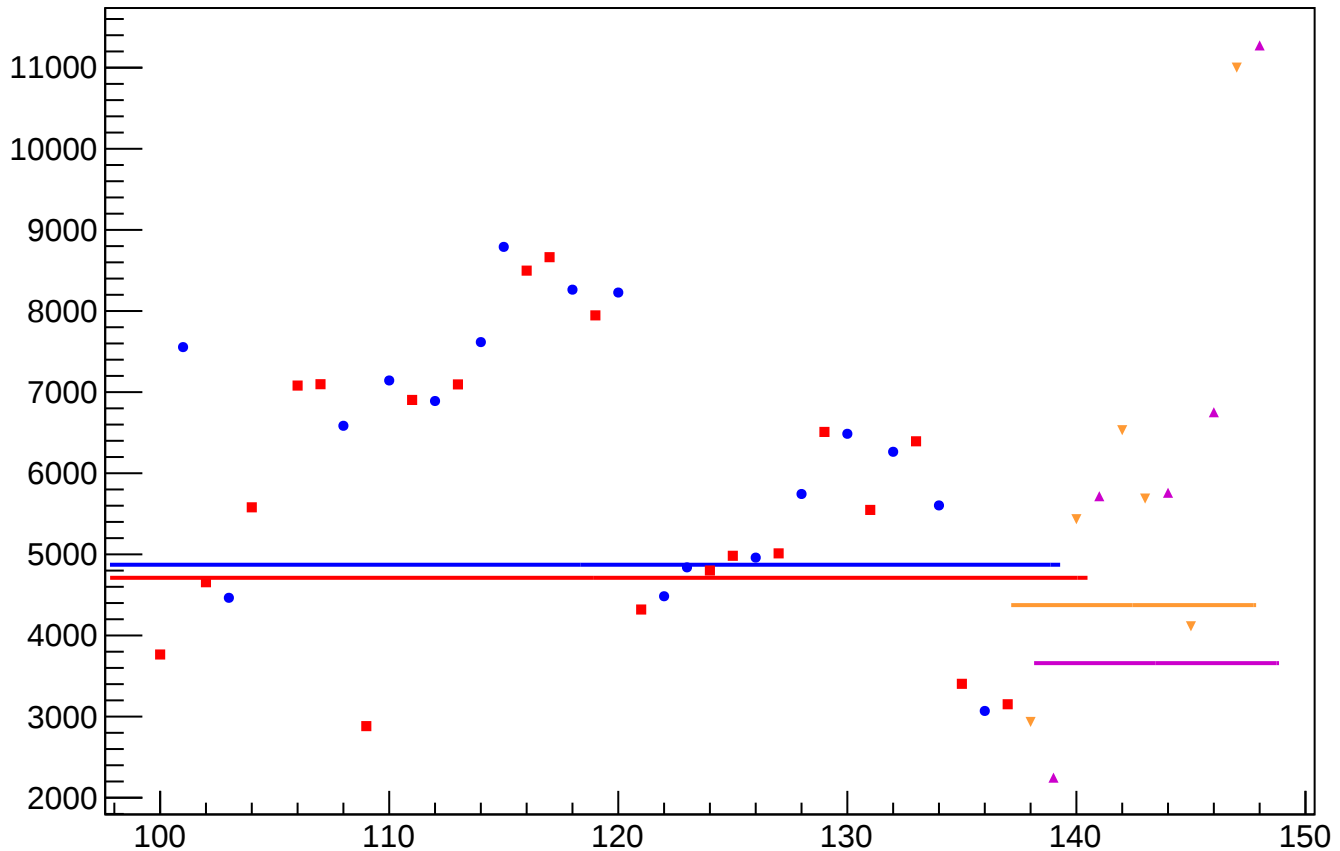
Left In: 3.809 ± 2.152 χ^2/NDF : 3.9/4

-2.354 ± 1.531 χ^2/NDF : 17.6/22

-0.238 ± 1.041 χ^2/NDF : 49.8/47

1.583 ± 1.420 χ^2/NDF : 28.6/24

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 $\pm$ 1.421 χ^2/NDF : 1405253.2/16

Left Out: 4374.364 $\pm$ 1.672 χ^2/NDF : 1079357.0/5

Right Out: 4711.077 $\pm$ 1.337 χ^2/NDF : 1330595.4/19

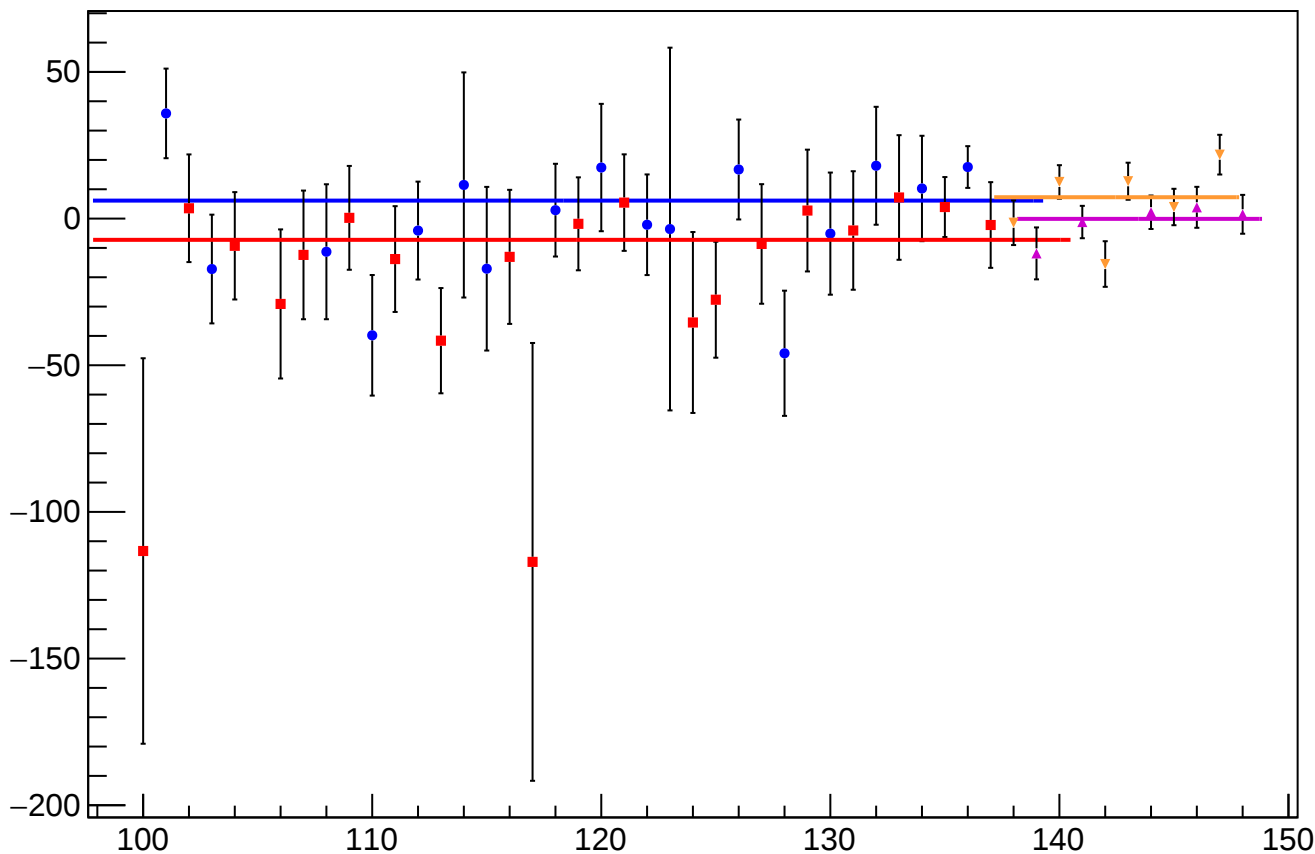
Left In: 3659.021 $\pm$ 1.522 χ^2/NDF : 2011973.1/4

4663.286 $\pm$ 1.083 χ^2/NDF : 2536075.1/22

4442.605 $\pm$ 0.736 χ^2/NDF : 6225709.7/47

4252.720 $\pm$ 1.004 χ^2/NDF : 3612347.2/24

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 $\pm$ 4.080 χ^2 /NDF: 22.2/16

Left Out: 7.283 $\pm$ 2.699 χ^2 /NDF: 16.3/5

Right Out: -7.243 $\pm$ 4.218 χ^2 /NDF: 14.6/19

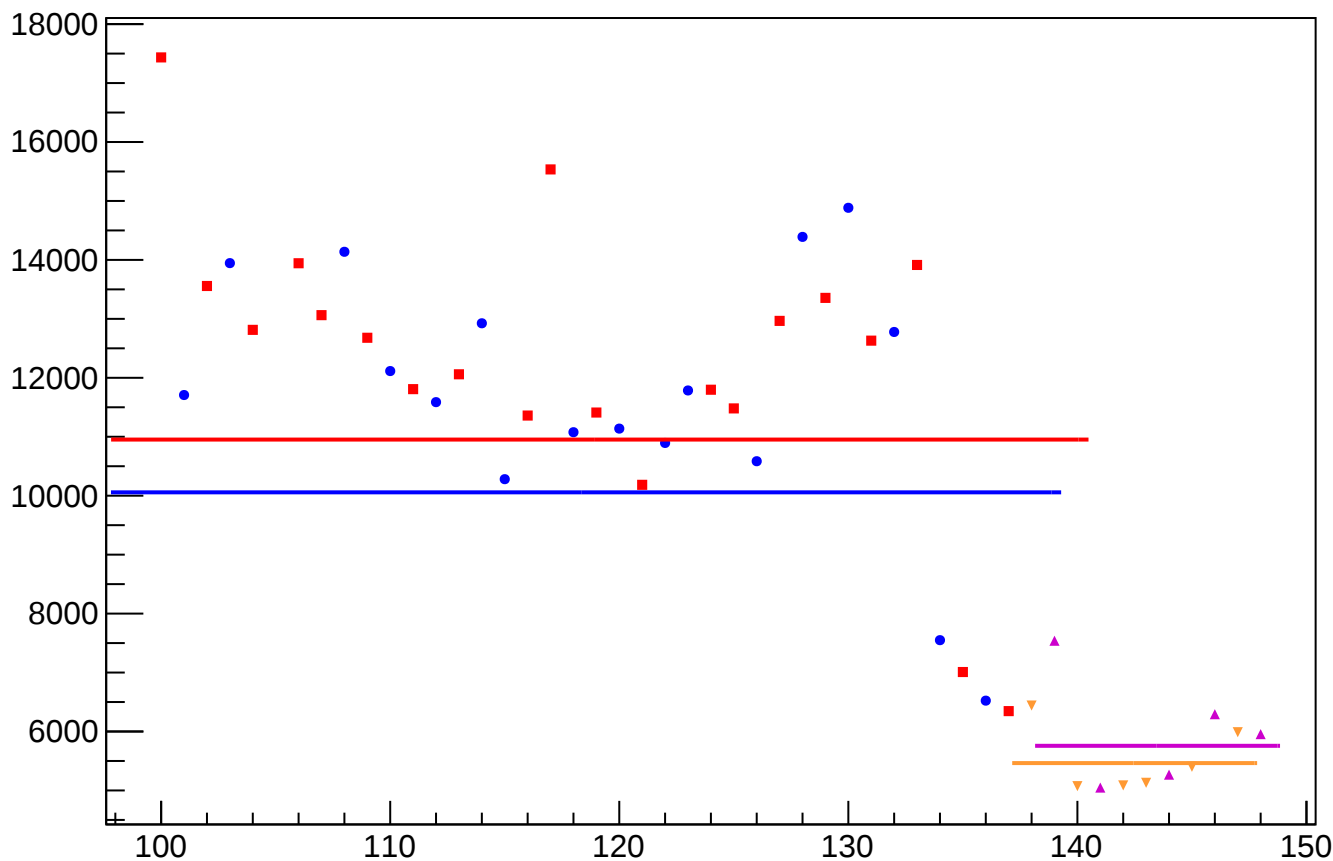
Left In: -0.096 $\pm$ 2.892 χ^2 /NDF: 2.3/4

6.933 $\pm$ 2.251 χ^2 /NDF: 38.6/22

2.544 $\pm$ 1.637 χ^2 /NDF: 65.6/47

-2.382 $\pm$ 2.385 χ^2 /NDF: 18.9/24

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2/NDF : 1002872.6/16

Left Out: 5464.178 $\pm$ 1.909 χ^2/NDF : 64781.7/5

Right Out: 10952.255 $\pm$ 2.982 χ^2/NDF : 770474.3/19

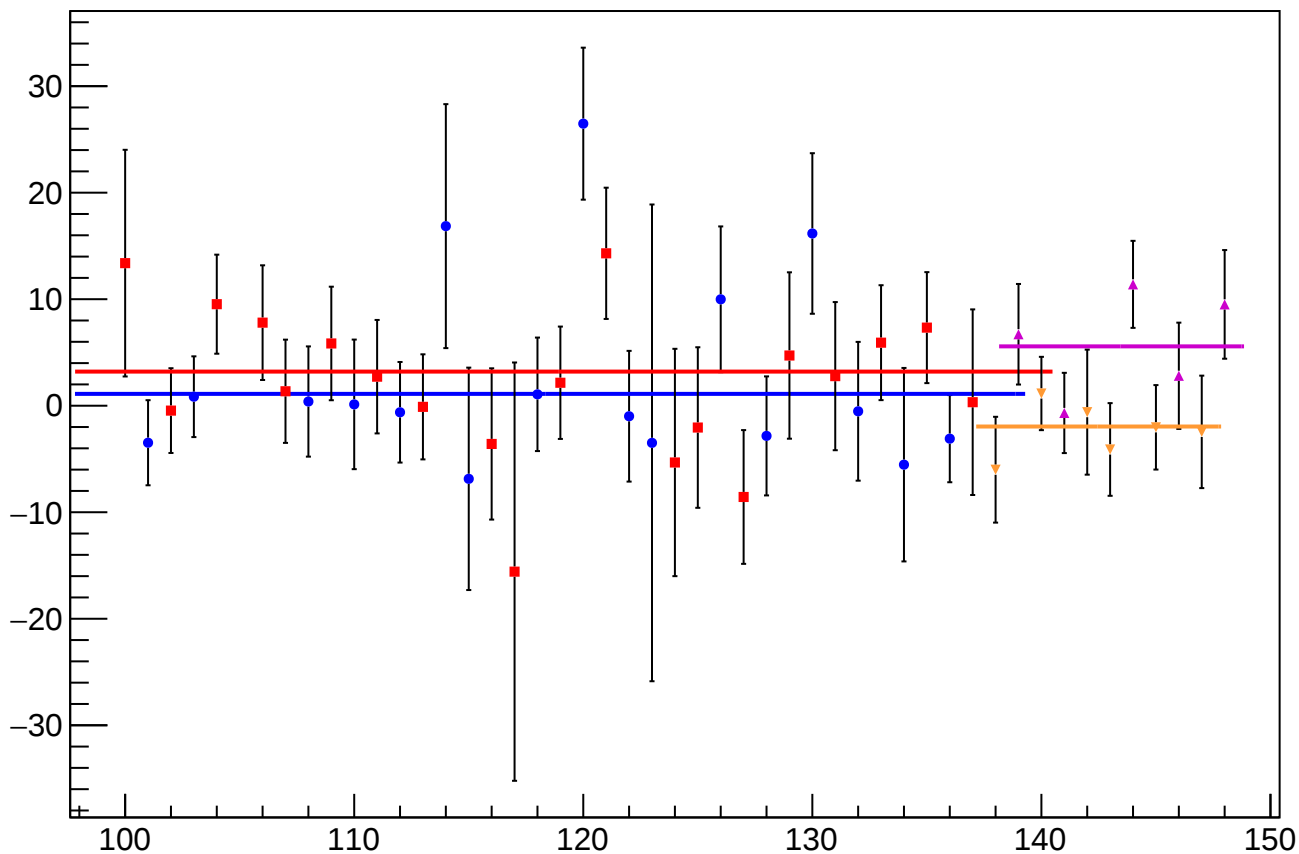
Left In: 5757.245 $\pm$ 2.045 χ^2/NDF : 142288.9/4

6862.422 $\pm$ 1.592 χ^2/NDF : 2830273.9/22

7124.546 $\pm$ 1.158 χ^2/NDF : 5864423.1/47

7418.790 $\pm$ 1.687 χ^2/NDF : 2976600.8/24

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 $\pm$ 1.403 χ^2 /NDF: 24.6/16

Left Out: -1.953 $\pm$ 1.807 χ^2 /NDF: 1.8/5

Right Out: 3.204 $\pm$ 1.331 χ^2 /NDF: 16.0/19

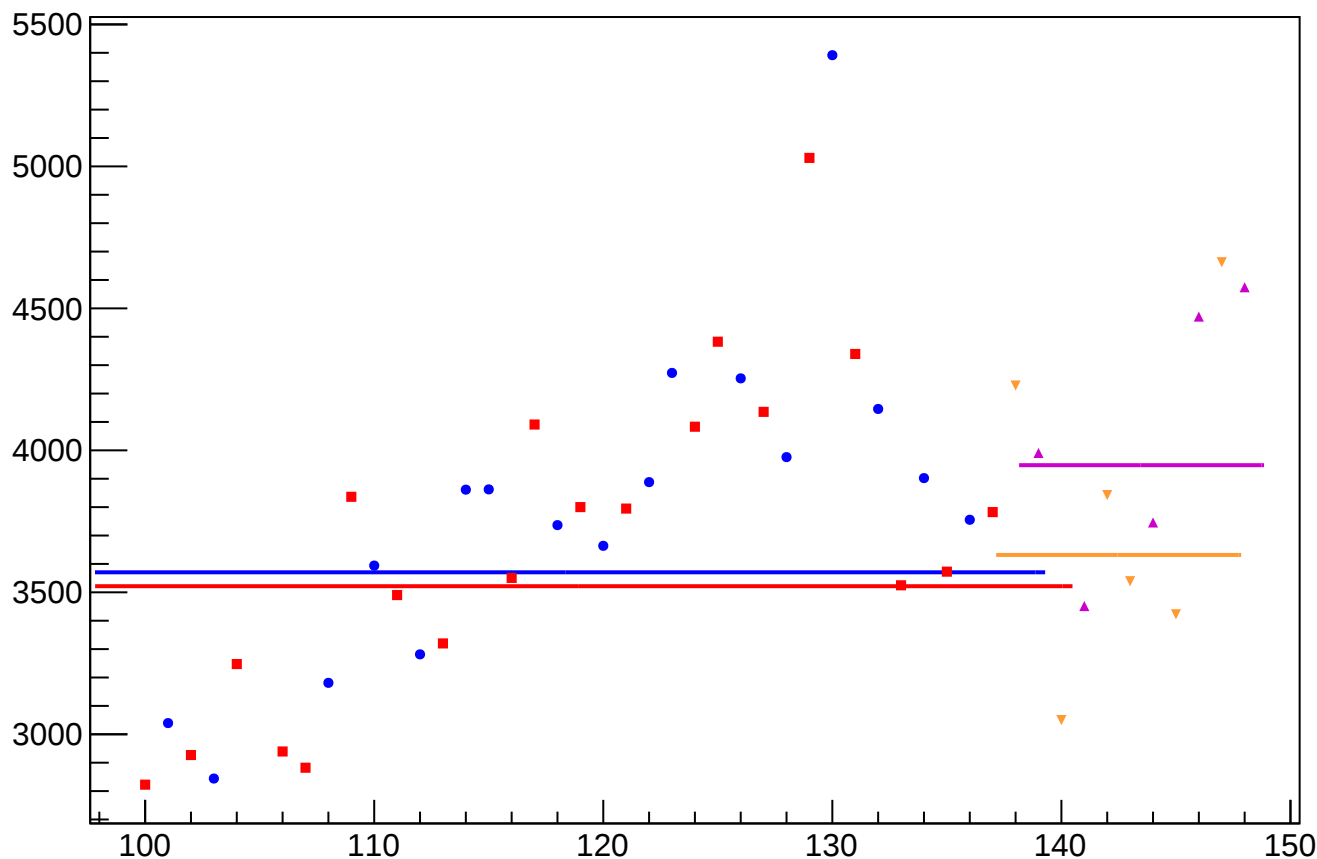
Left In: 5.572 $\pm$ 1.985 χ^2 /NDF: 5.7/4

-0.041 $\pm$ 1.108 χ^2 /NDF: 28.2/22

1.954 $\pm$ 0.782 χ^2 /NDF: 57.4/47

3.938 $\pm$ 1.105 χ^2 /NDF: 22.7/24

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481 $\pm$ 0.992 χ^2 /NDF: 309699.2/16

Left Out: 3631.651 $\pm$ 1.278 χ^2 /NDF:171282.0/5

Right Out: 3521.513 $\pm$ 0.941 χ^2 /NDF: 295082.3/19

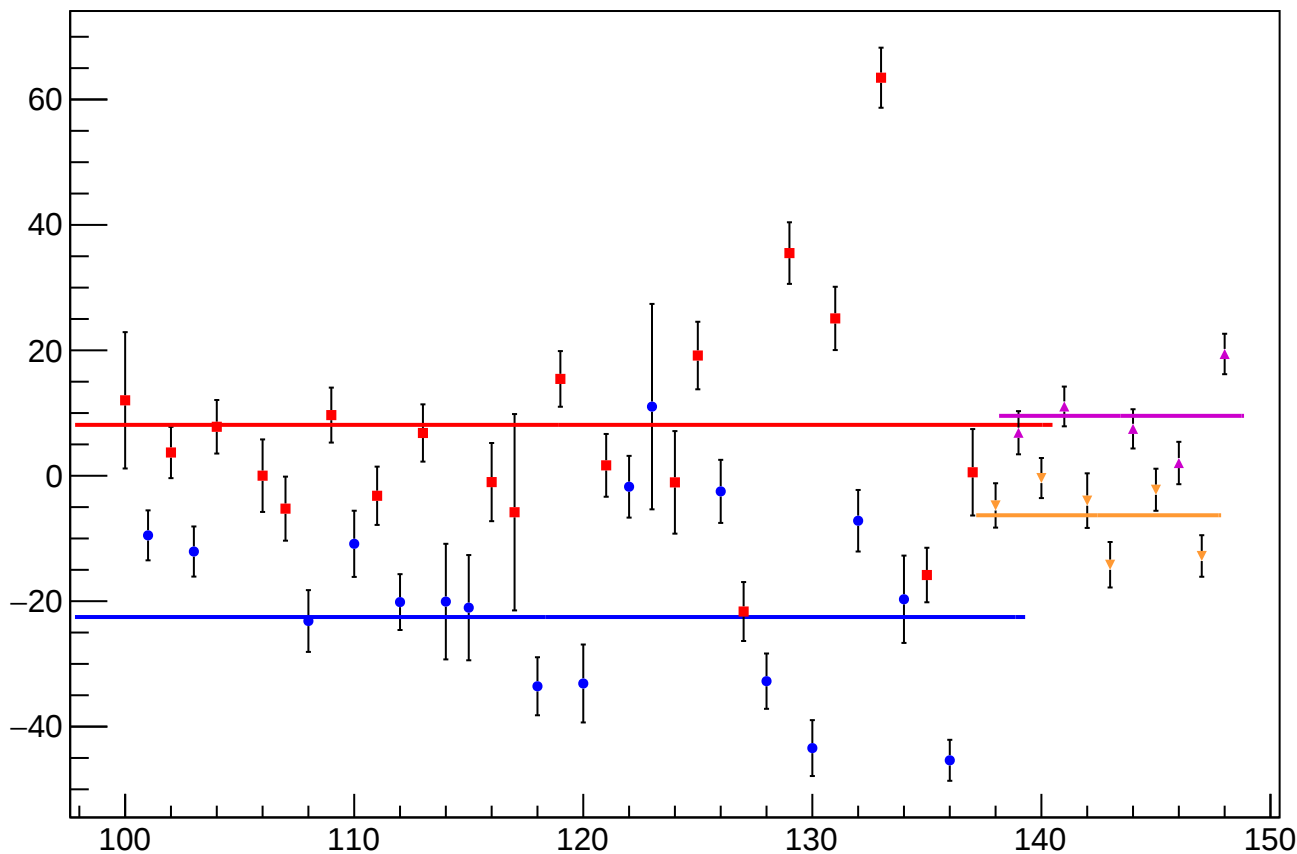
Left In: 3947.760 $\pm$ 1.403 χ^2 /NDF:91917.2/4

3593.487 $\pm$ 0.784 χ^2 /NDF: 482411.5/22

3623.666 $\pm$ 0.553 χ^2 /NDF: 936017.7/47

3653.687 $\pm$ 0.781 χ^2 /NDF: 450646.8/24

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -6.299 ± 1.433 χ^2/NDF : 14.0/5

Right Out: 8.116 ± 1.154 χ^2/NDF : 276.6/19

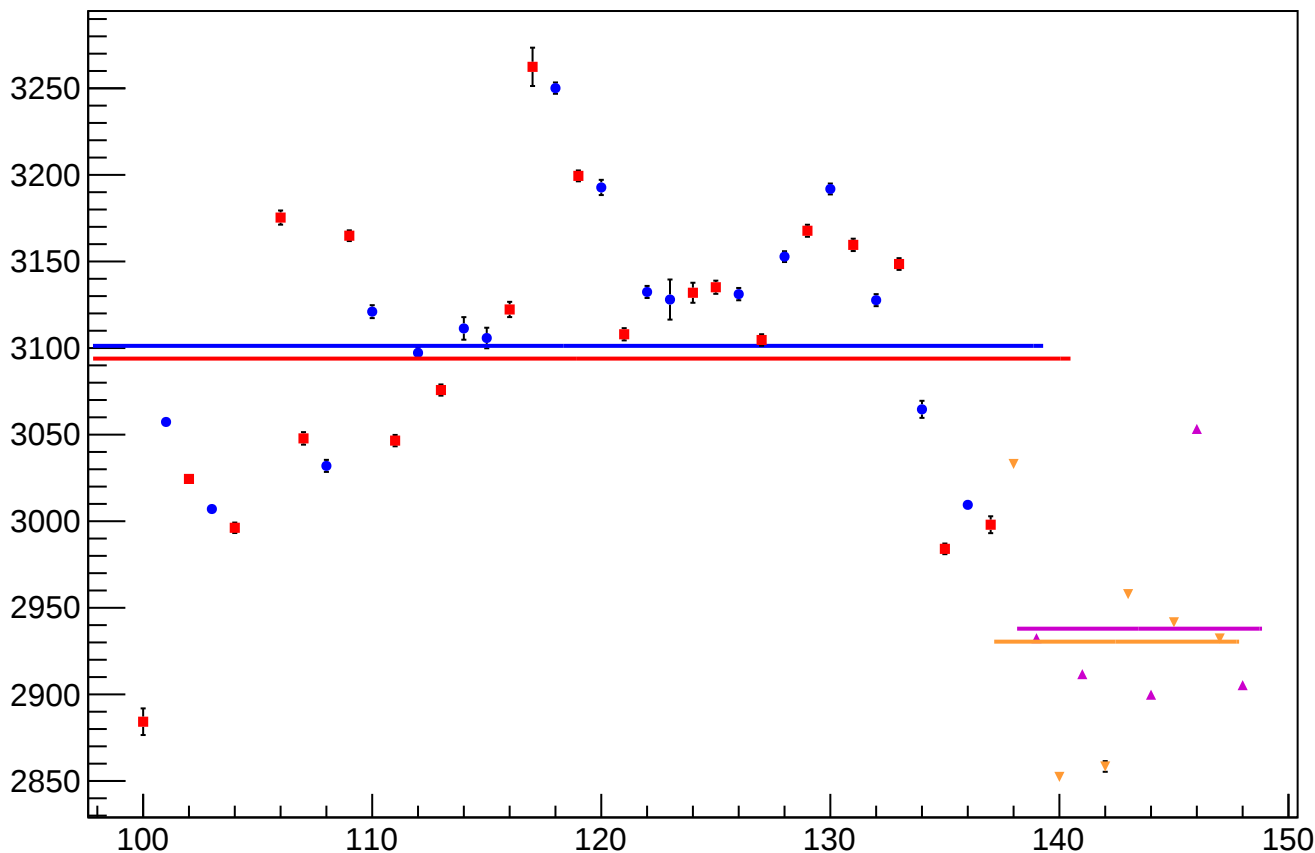
Left In: 9.555 ± 1.459 χ^2/NDF : 15.6/4

-15.836 ± 0.920 χ^2/NDF : 244.8/22

-3.376 ± 0.645 χ^2/NDF : 898.1/47

8.670 ± 0.905 χ^2/NDF : 292.8/24

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 $\pm$ 0.849 χ^2 /NDF: 7233.8/16

Left Out: 2930.456 $\pm$ 1.014 χ^2 /NDF: 3562.6/5

Right Out: 3093.913 $\pm$ 0.816 χ^2 /NDF: 7998.9/19

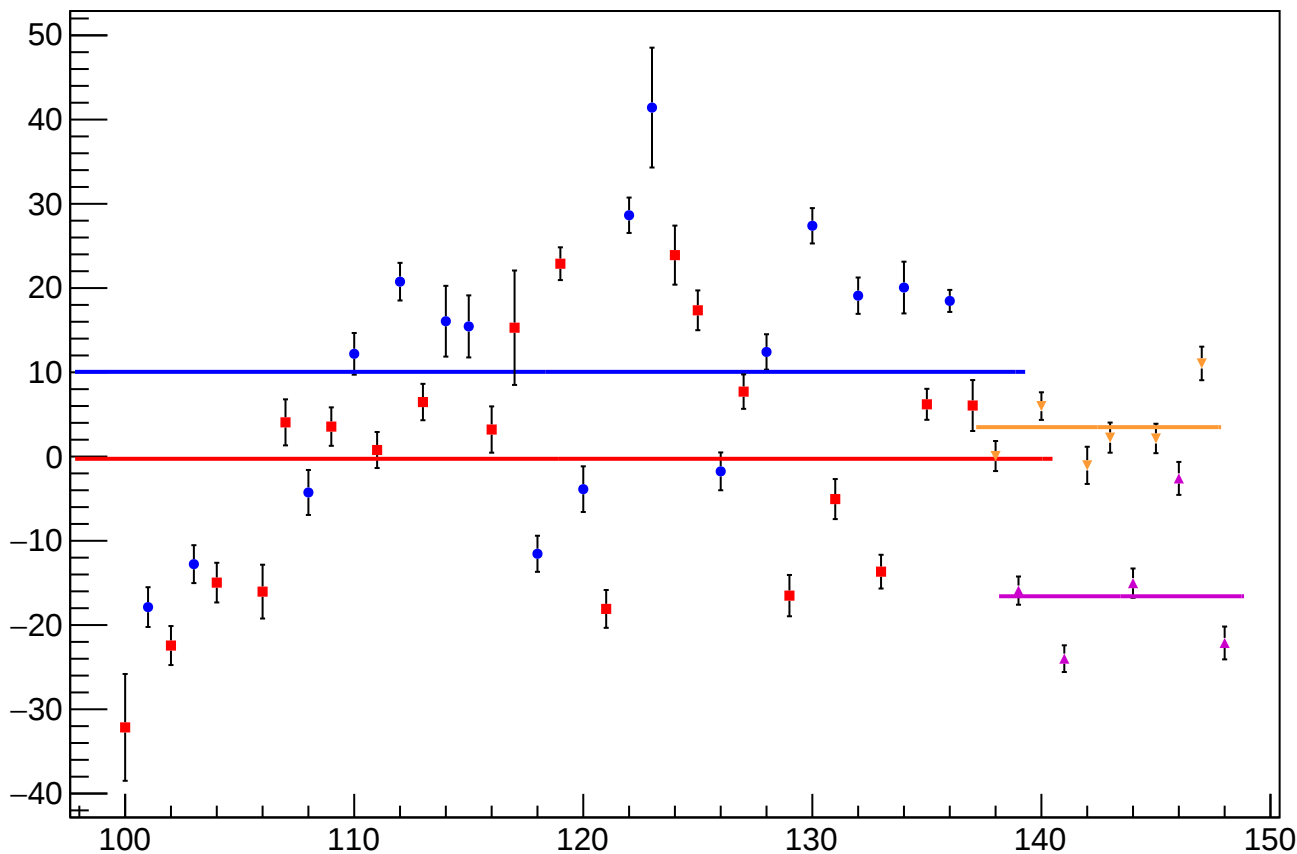
Left In: 2937.946 $\pm$ 1.032 χ^2 /NDF: 2974.3/4

3030.852 $\pm$ 0.651 χ^2 /NDF: 27487.7/22

3032.404 $\pm$ 0.456 χ^2 /NDF: 52534.4/47

3033.905 $\pm$ 0.640 χ^2 /NDF: 25035.5/24

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 3.491 ± 0.748 χ^2/NDF : 25.7/5

Right Out: -0.266 ± 0.545 χ^2/NDF : 635.1/19

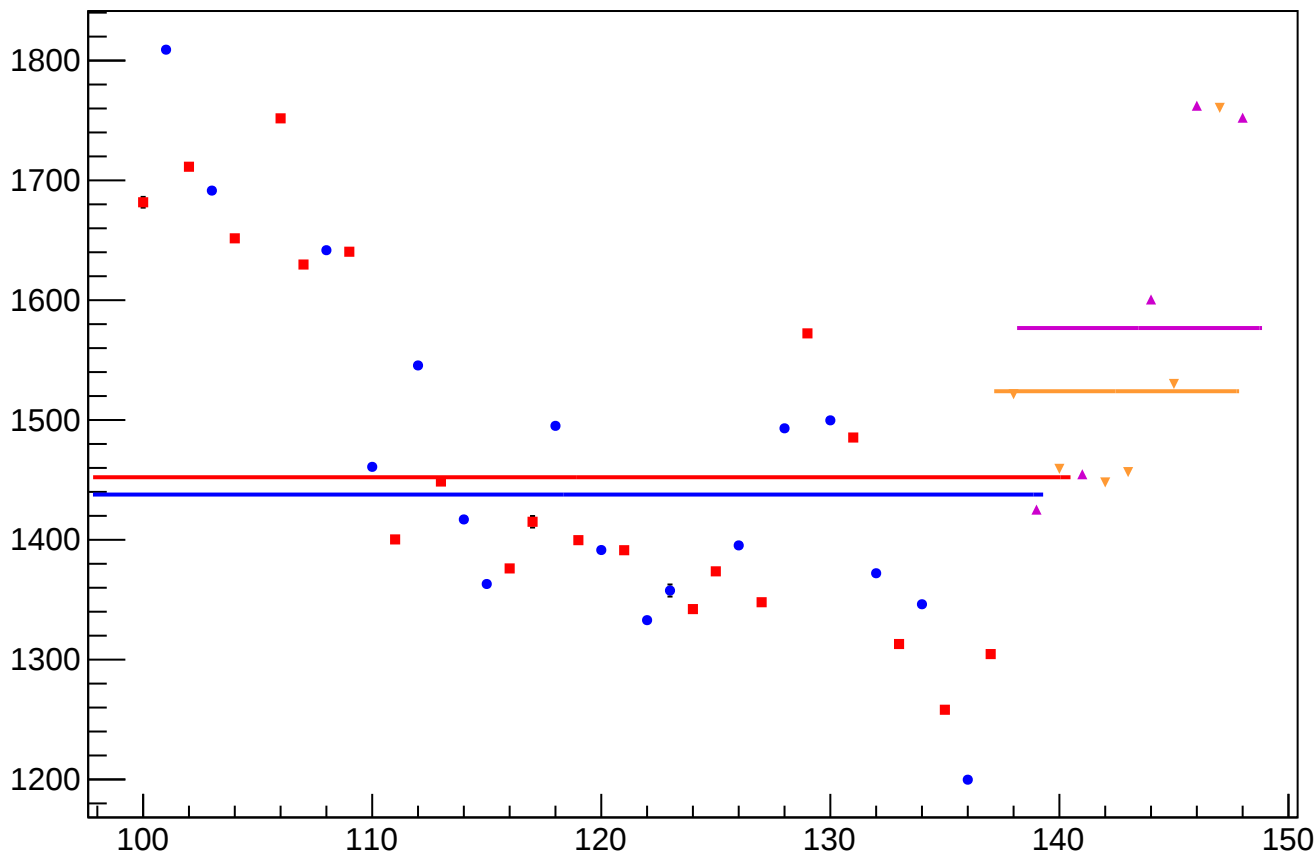
Left In: -16.584 ± 0.788 χ^2/NDF : 82.1/4

7.690 ± 0.449 χ^2/NDF : 767.2/22

1.058 ± 0.317 χ^2/NDF : 2209.5/47

-5.550 ± 0.448 χ^2/NDF : 1007.2/24

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2/NDF : 173216.2/16

Left Out: 1524.013 $\pm$ 0.529 χ^2/NDF : 36607.8/5

Right Out: 1452.227 $\pm$ 0.386 χ^2/NDF : 138666.1/19

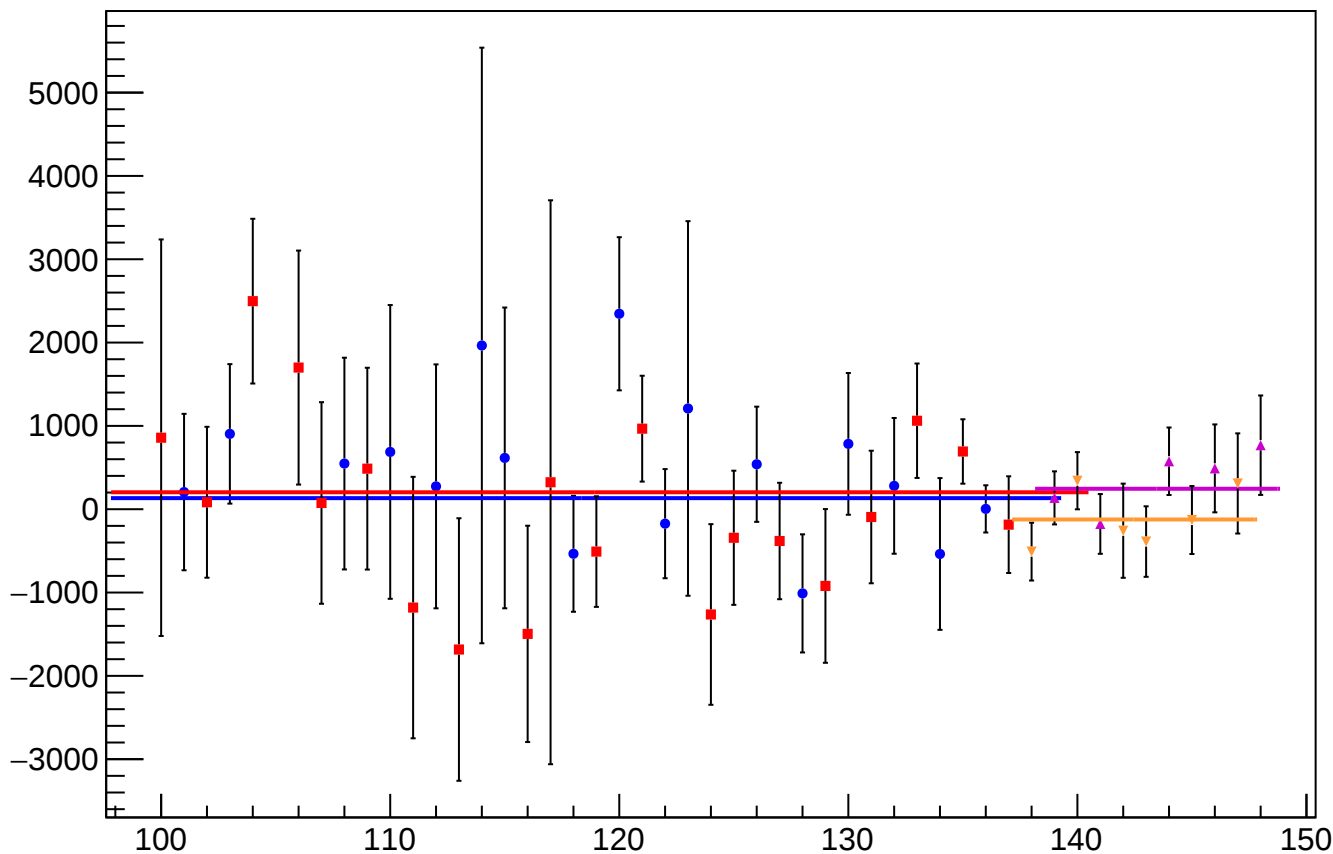
Left In: 1576.758 $\pm$ 0.557 χ^2/NDF : 62858.9/4

1468.842 $\pm$ 0.318 χ^2/NDF : 226809.3/22

1480.719 $\pm$ 0.224 χ^2/NDF : 464905.1/47

1492.552 $\pm$ 0.317 χ^2/NDF : 235304.9/24

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -123.151 $\pm$ 170.770 χ^2 /NDF: 4.0/5

Right Out: 203.418 $\pm$ 184.080 χ^2 /NDF: 21.4/19

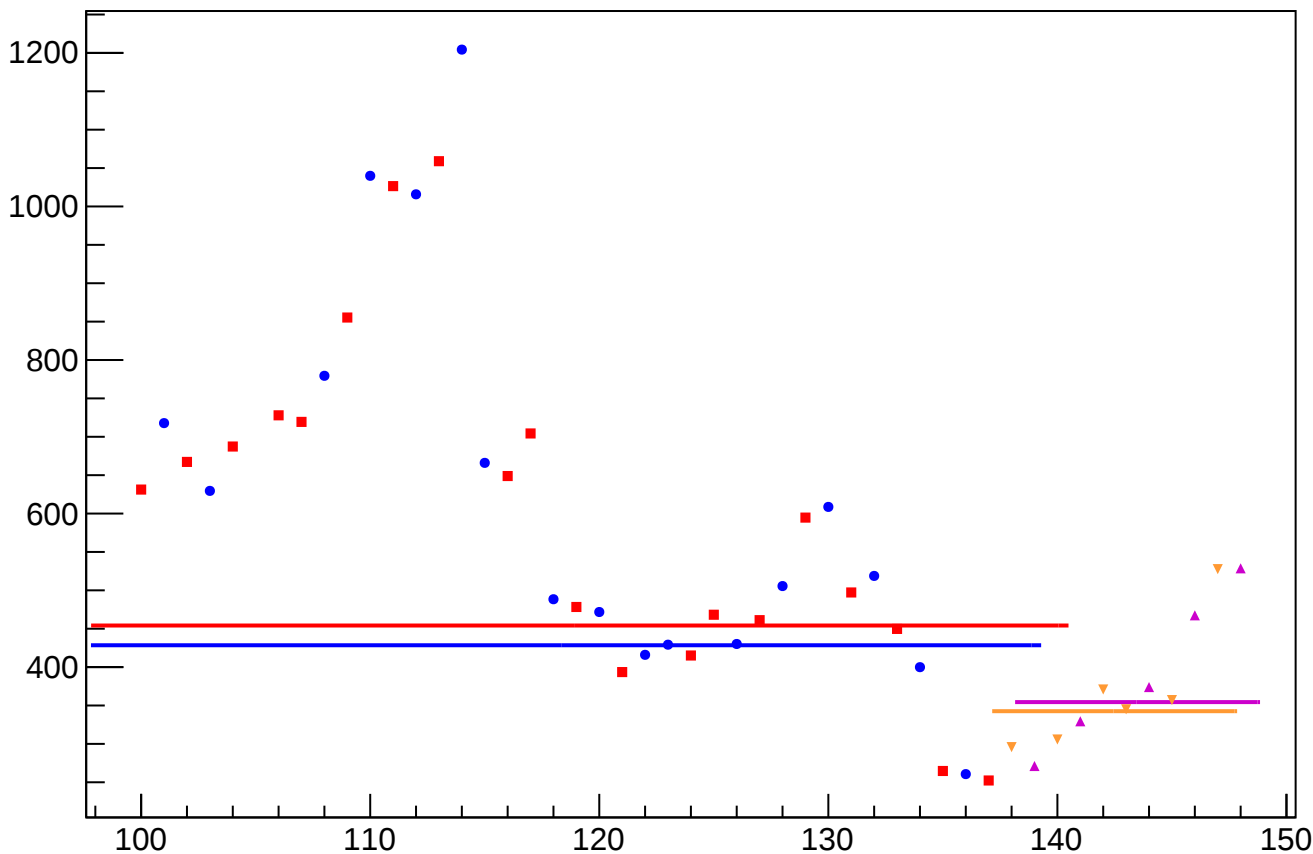
Left In: 245.403 $\pm$ 182.194 χ^2 /NDF: 3.1/4

-2.040 $\pm$ 123.975 χ^2 /NDF: 18.0/22

106.363 $\pm$ 89.551 χ^2 /NDF: 44.2/47

224.627 $\pm$ 129.492 χ^2 /NDF: 24.6/24

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2/NDF : 2011453.8/16

Left Out: 342.580 $\pm$ 0.121 χ^2/NDF : 256598.6/5

Right Out: 454.177 $\pm$ 0.130 χ^2/NDF : 2040775.1/19

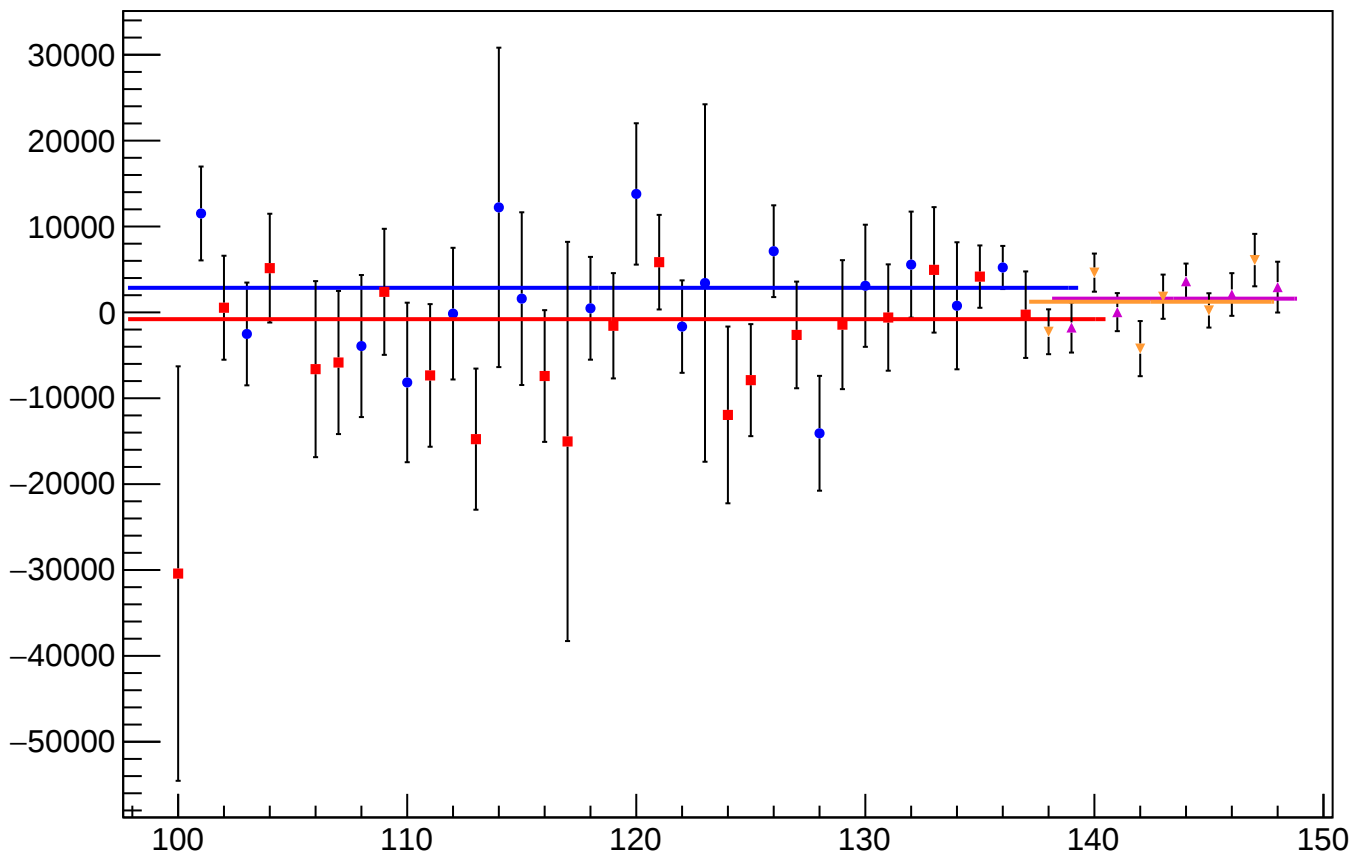
Left In: 354.425 $\pm$ 0.129 χ^2/NDF : 413304.8/4

383.198 $\pm$ 0.088 χ^2/NDF : 2507280.2/22

393.045 $\pm$ 0.063 χ^2/NDF : 5284419.5/47

403.788 $\pm$ 0.092 χ^2/NDF : 2750756.3/24

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1240.620 $\pm$ 1023.336 χ^2 /NDF: 9.8/5

Right Out: -789.608 $\pm$ 1506.053 χ^2 /NDF: 14.4/19

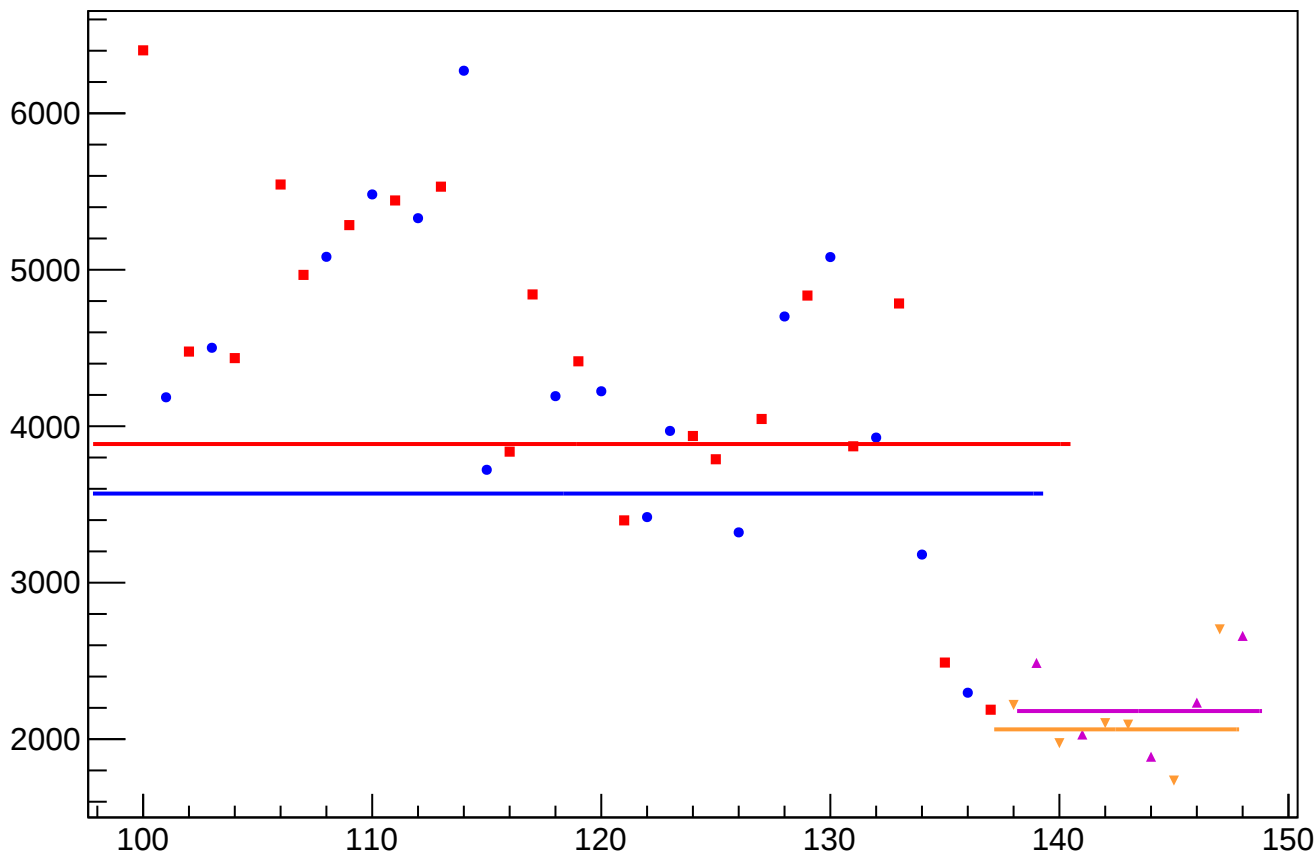
Left In: 1598.103 $\pm$ 1094.935 χ^2 /NDF: 3.0/4

1779.955 $\pm$ 835.679 χ^2 /NDF: 27.3/22

1305.411 $\pm$ 607.803 χ^2 /NDF: 47.1/47

772.455 $\pm$ 885.619 χ^2 /NDF: 19.1/24

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 $\pm$ 1.024 χ^2/NDF : 1087935.4/16

Left Out: 2062.477 $\pm$ 0.724 χ^2/NDF : 152153.4/5

Right Out: 3886.199 $\pm$ 1.065 χ^2/NDF : 986485.7/19

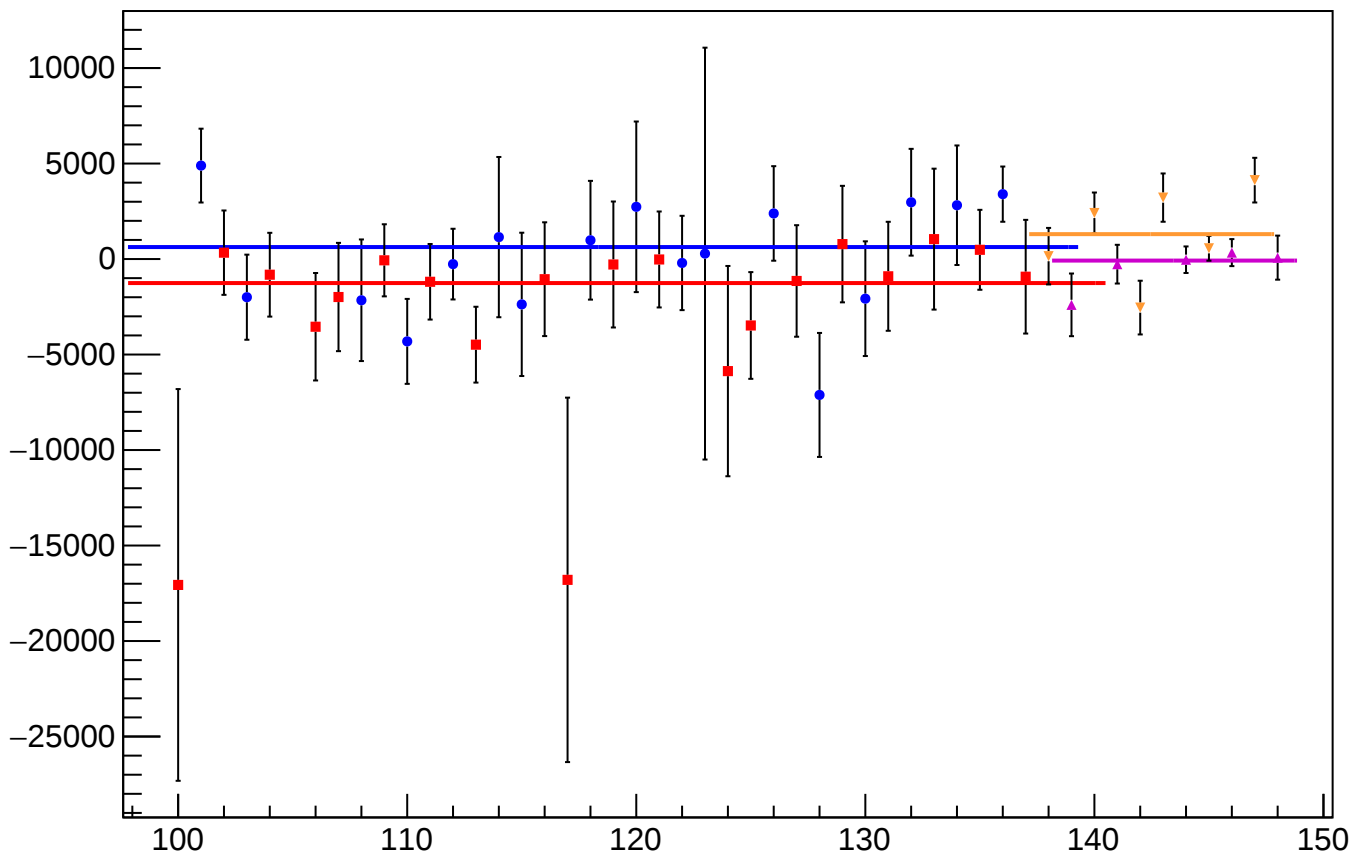
Left In: 2179.587 $\pm$ 0.774 χ^2/NDF : 125365.7/4

2564.552 $\pm$ 0.591 χ^2/NDF : 2685264.5/22

2661.187 $\pm$ 0.430 χ^2/NDF : 5533999.0/47

2769.718 $\pm$ 0.626 χ^2/NDF : 2791955.1/24

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1303.799 ± 424.295 χ^2/NDF : 18.6/5

Right Out: -1257.467 ± 601.857 χ^2/NDF : 12.6/19

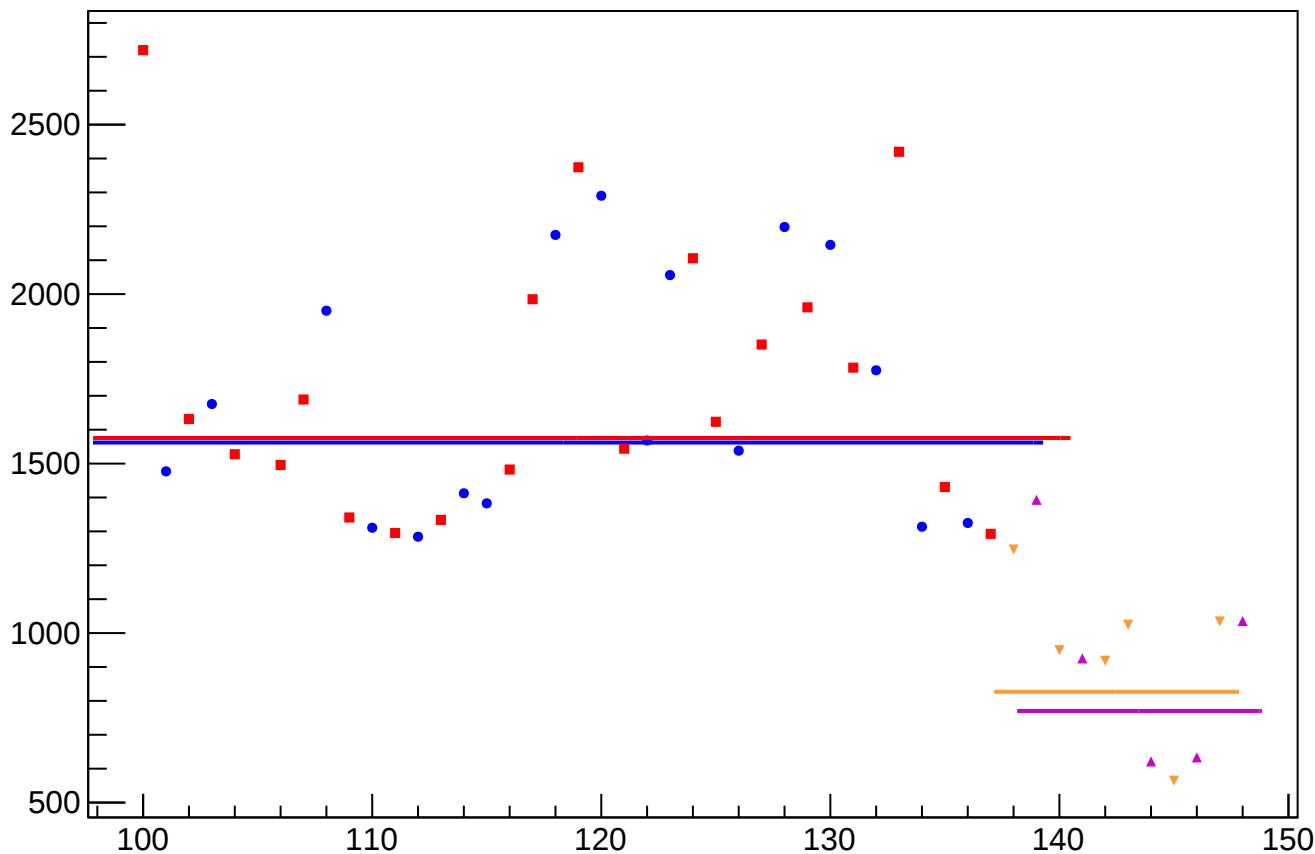
Left In: -80.605 ± 402.761 χ^2/NDF : 2.4/4

1088.580 ± 350.319 χ^2/NDF : 44.5/22

287.101 ± 242.012 χ^2/NDF : 72.1/47

-444.619 ± 334.726 χ^2/NDF : 17.6/24

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 +/- 0.439 χ^2/NDF : 482088.3/16

Left Out: 826.779 +/- 0.300 χ^2/NDF : 632473.2/5

Right Out: 1575.541 +/- 0.426 χ^2/NDF : 467687.2/19

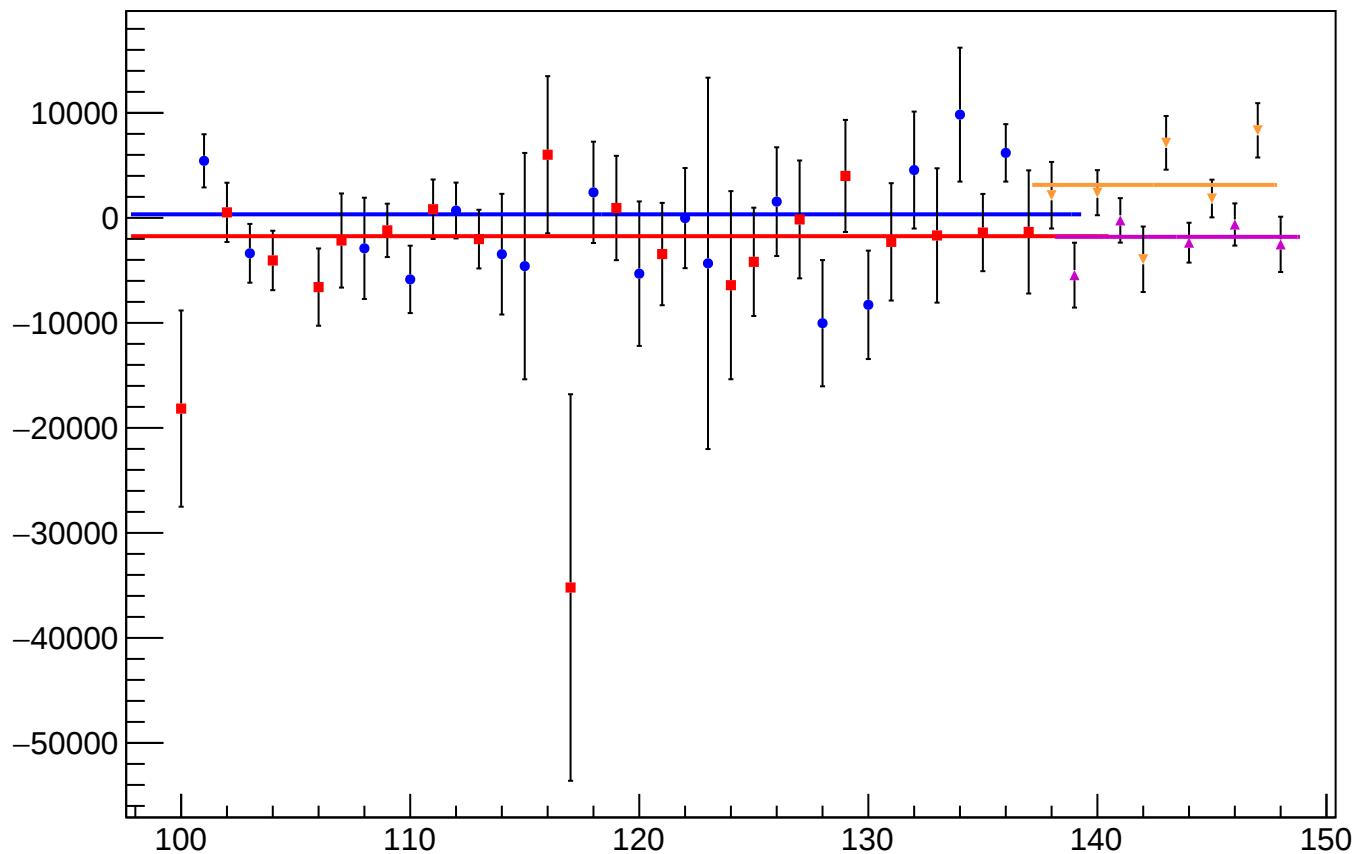
Left In: 770.203 +/- 0.285 χ^2/NDF : 607683.4/4

1060.835 +/- 0.248 χ^2/NDF : 3026582.2/22

1039.123 +/- 0.171 χ^2/NDF : 6589989.1/47

1019.302 +/- 0.237 χ^2/NDF : 3548711.5/24

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 3140.521 ± 984.361 χ^2/NDF : 12.4/5

Right Out: -1742.470 ± 923.289 χ^2/NDF : 13.6/19

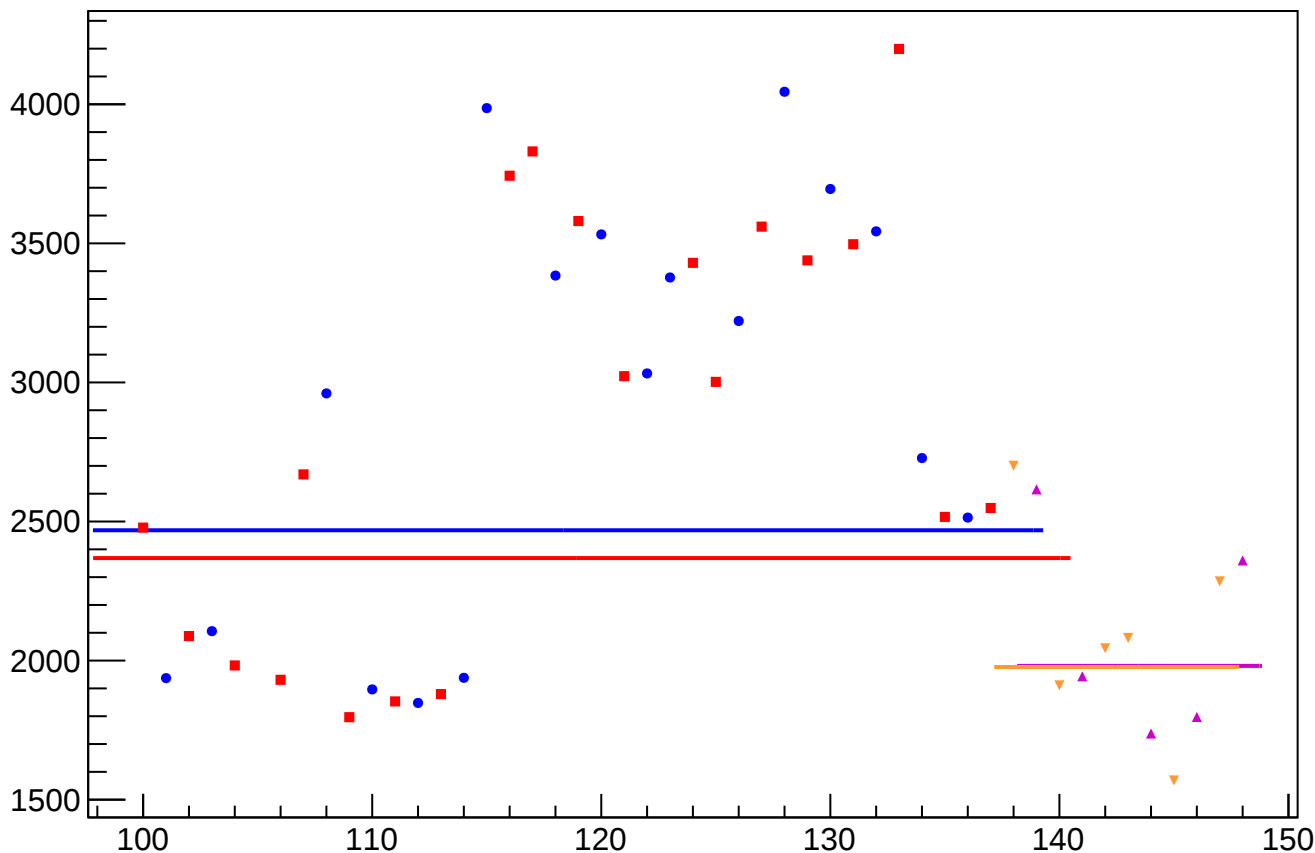
Left In: -1806.088 ± 1001.474 χ^2/NDF : 2.4/4

1755.566 ± 700.072 χ^2/NDF : 41.2/22

-62.407 ± 487.340 χ^2/NDF : 70.3/47

-1771.699 ± 678.824 χ^2/NDF : 16.0/24

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 1976.945+/-0.696 χ^2/NDF : 241852.5/5

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

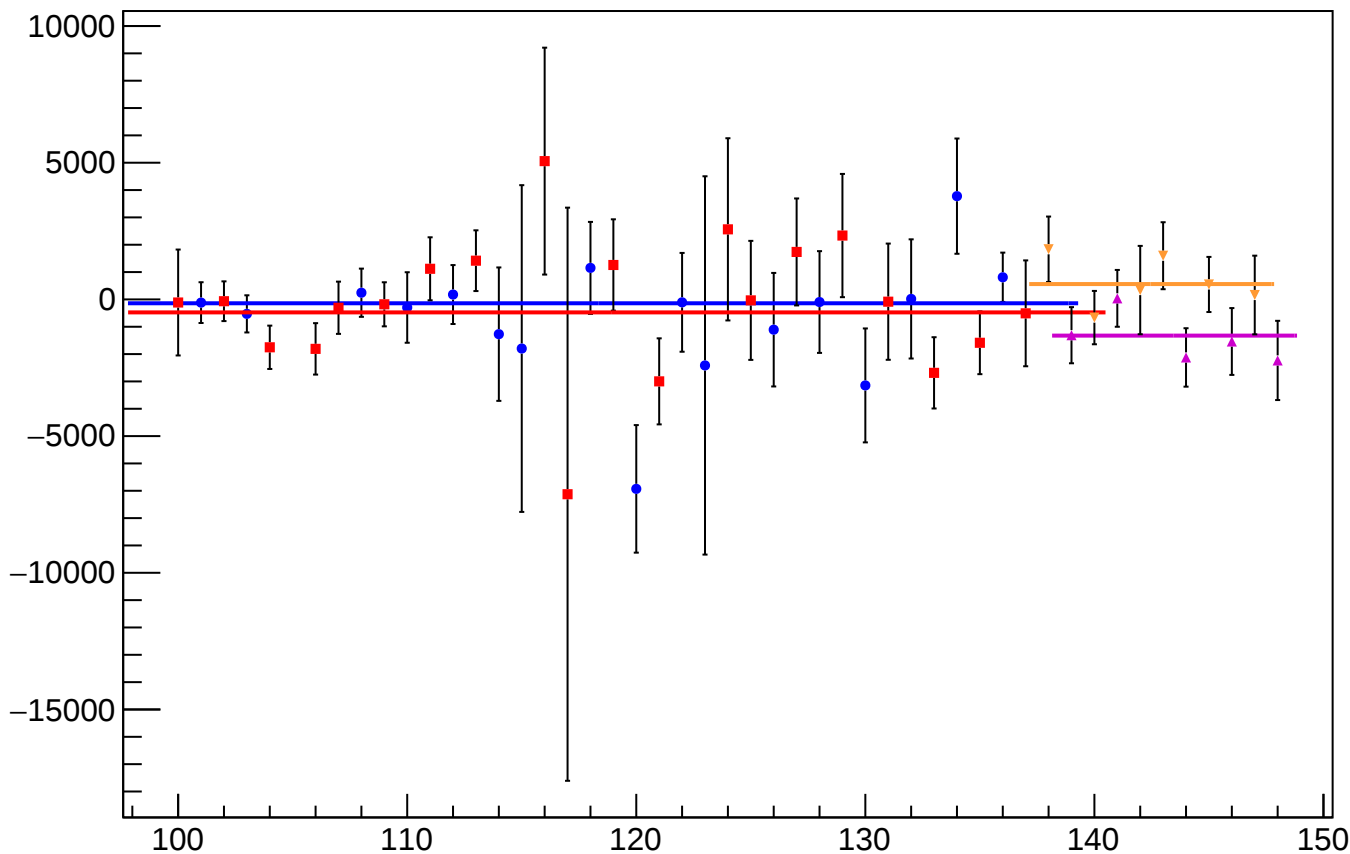
Left In: 1980.944+/-0.708 χ^2/NDF : 176077.9/4

2219.867+/-0.495 χ^2/NDF : 1384468.8/22

2204.706+/-0.345 χ^2/NDF : 2762100.2/47

2190.451+/-0.480 χ^2/NDF : 1375811.3/24

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 561.454 ± 484.183 $\chi^2/\text{NDF}: 3.5/5$

Right Out: -474.987 ± 282.789 $\chi^2/\text{NDF}: 23.3/19$

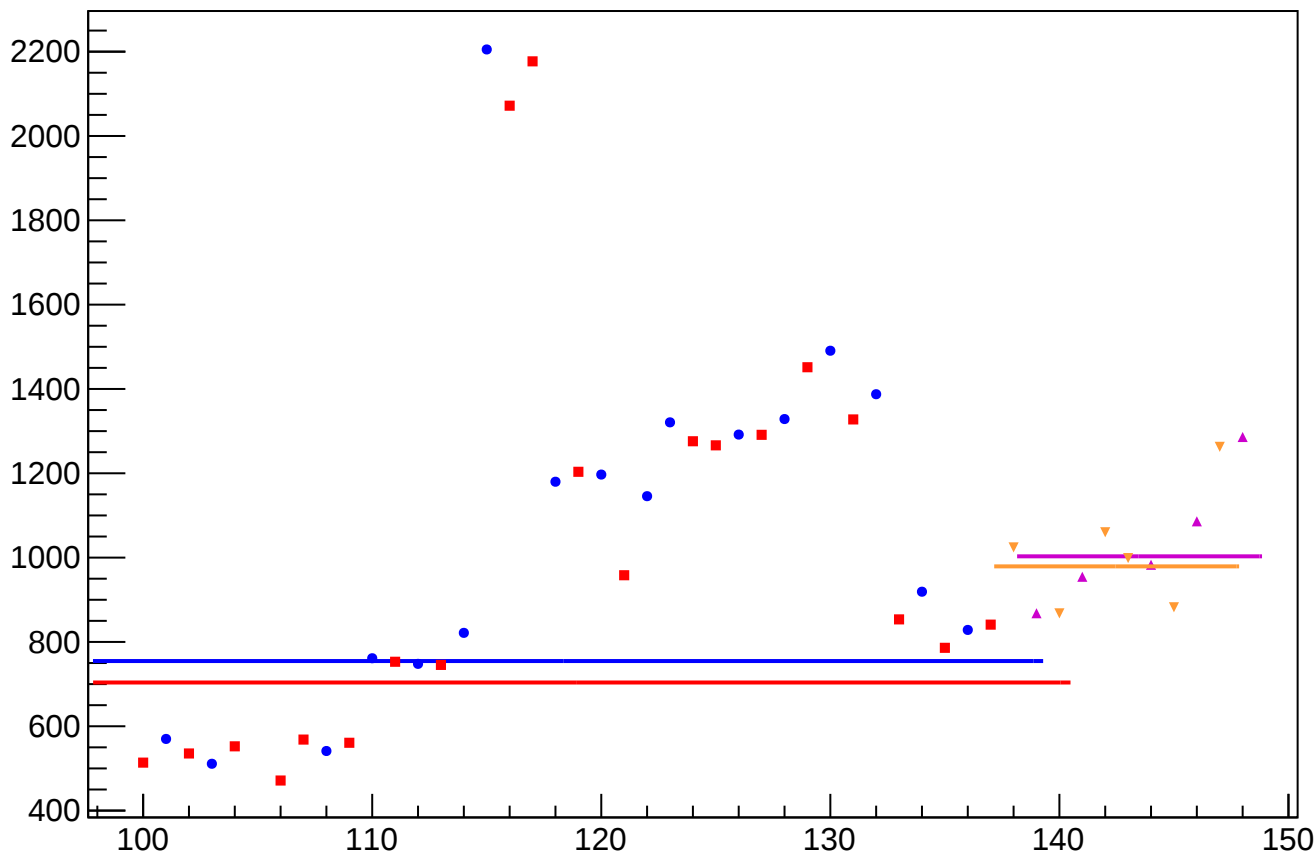
Left In: -1324.200 ± 506.659 $\chi^2/\text{NDF}: 2.7/4$

66.182 ± 263.047 $\chi^2/\text{NDF}: 22.0/22$

-328.713 ± 180.034 $\chi^2/\text{NDF}: 54.4/47$

-676.701 ± 246.930 $\chi^2/\text{NDF}: 28.2/24$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2/NDF : 1690621.2/16

Left Out: 979.208 $\pm$ 0.342 χ^2/NDF : 130615.8/5

Right Out: 703.794 $\pm$ 0.200 χ^2/NDF : 1731134.6/19

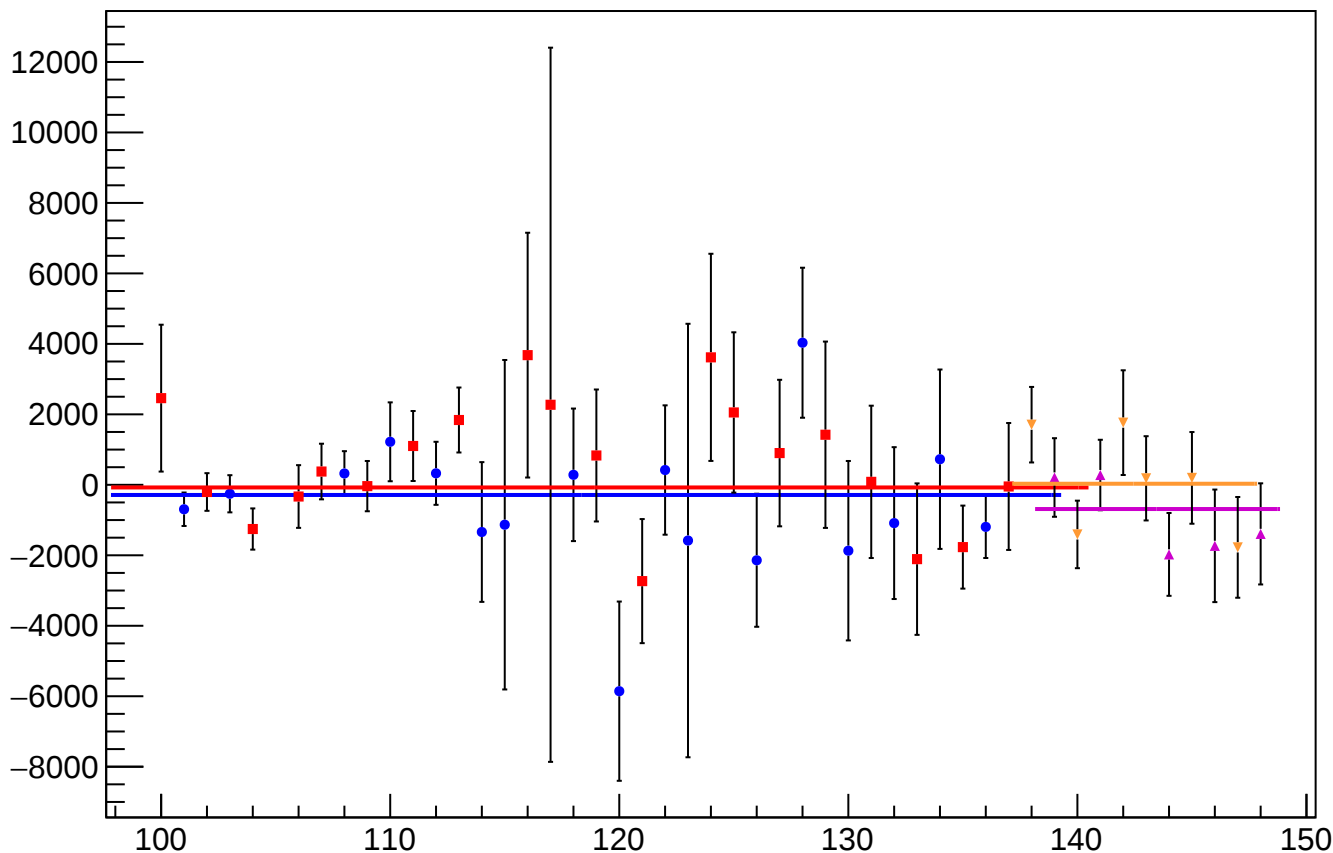
Left In: 1003.045 $\pm$ 0.358 χ^2/NDF : 125143.5/4

820.953 $\pm$ 0.186 χ^2/NDF : 2124369.8/22

796.459 $\pm$ 0.127 χ^2/NDF : 4545247.7/47

774.875 $\pm$ 0.175 χ^2/NDF : 2388256.2/24

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 ± 250.436 $\chi^2/\text{NDF}: 16.2/16$

Left Out: 30.610 ± 488.388 $\chi^2/\text{NDF}: 7.7/5$

Right Out: -74.735 ± 246.011 $\chi^2/\text{NDF}: 21.4/19$

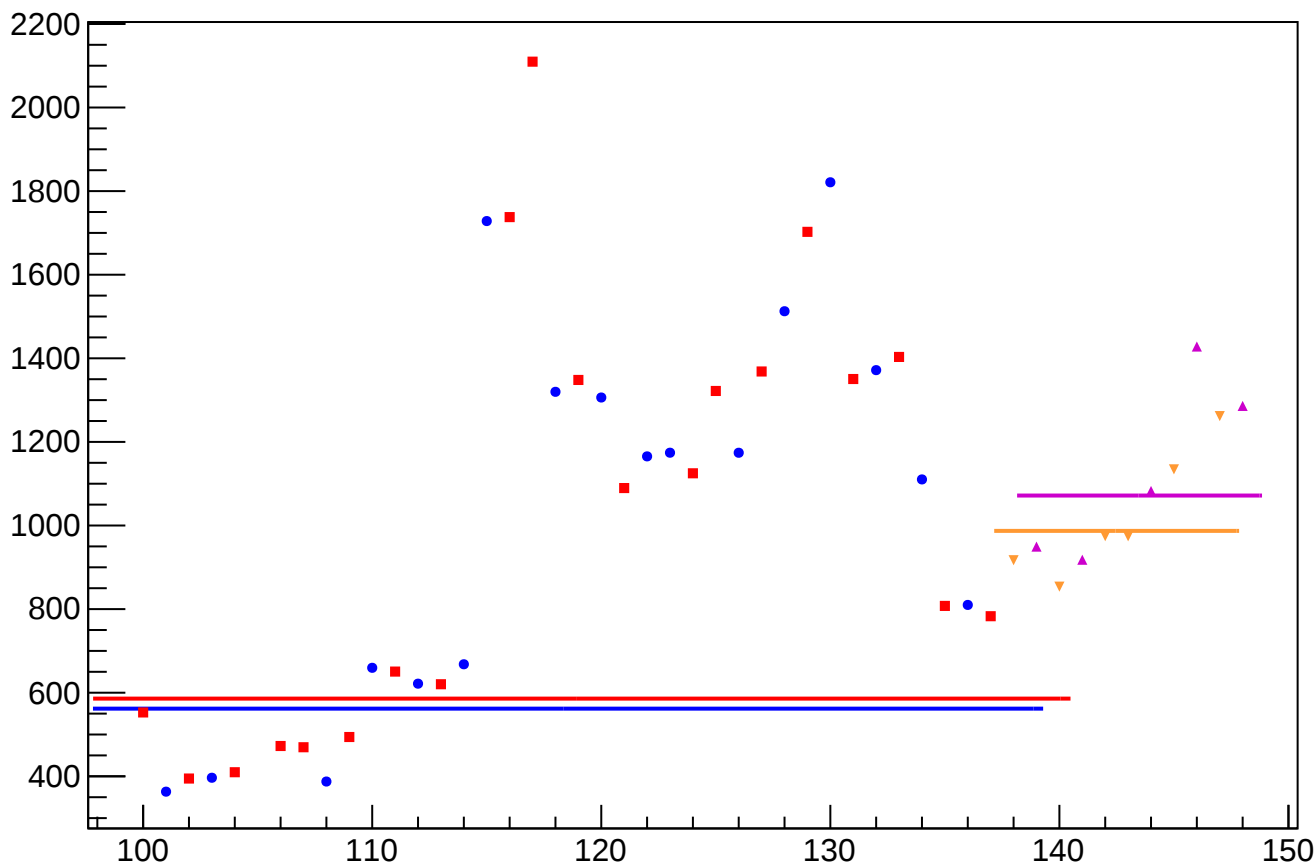
Left In: -686.824 ± 541.915 $\chi^2/\text{NDF}: 3.4/4$

-221.695 ± 222.846 $\chi^2/\text{NDF}: 24.2/22$

-200.619 ± 157.985 $\chi^2/\text{NDF}: 50.1/47$

-179.323 ± 224.009 $\chi^2/\text{NDF}: 25.9/24$

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 987.147+/-0.345 χ^2/NDF : 147106.5/5

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

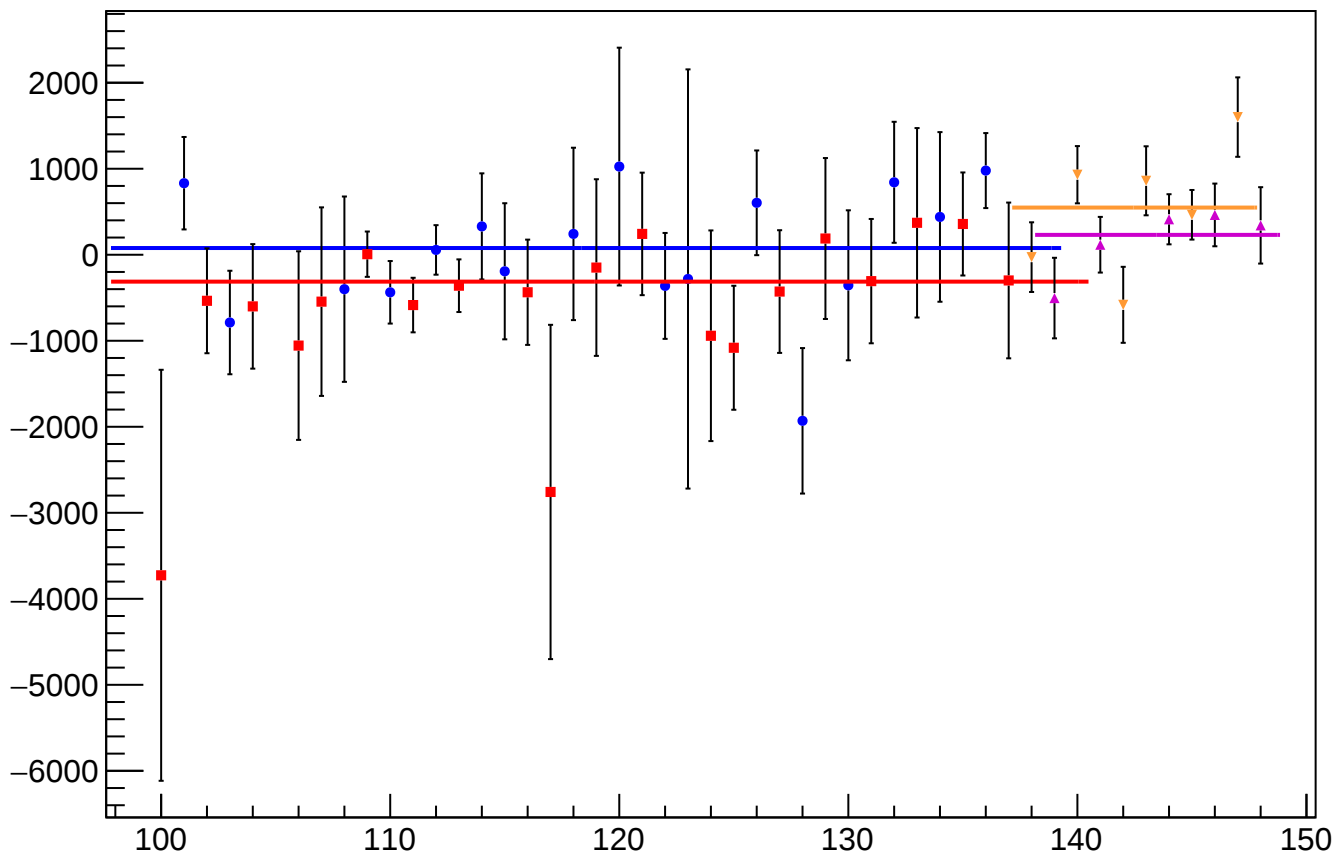
Left In: 1071.702+/-0.383 χ^2/NDF : 215597.9/4

650.431+/-0.158 χ^2/NDF : 4564391.8/22

659.618+/-0.112 χ^2/NDF : 8989189.5/47

668.902+/-0.158 χ^2/NDF : 4417963.1/24

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 548.540 ± 152.179 χ^2/NDF : 15.8/5

Right Out: -312.536 ± 129.362 χ^2/NDF : 10.7/19

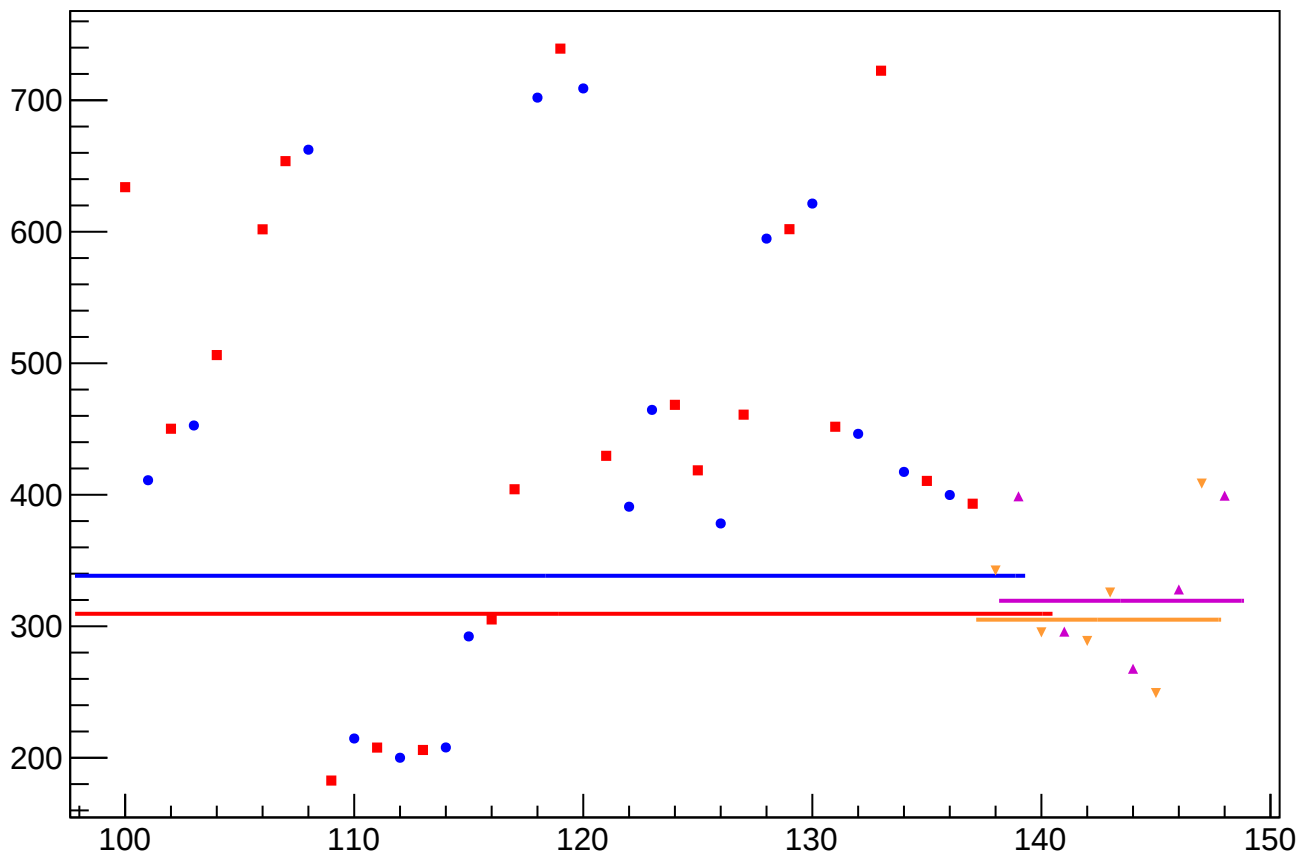
Left In: 231.005 ± 161.200 χ^2/NDF : 3.4/4

298.535 ± 104.160 χ^2/NDF : 40.6/22

93.116 ± 72.469 χ^2/NDF : 69.2/47

-99.616 ± 100.892 χ^2/NDF : 21.0/24

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 305.027 $\pm$ 0.108 χ^2 /NDF: 201960.9/5

Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

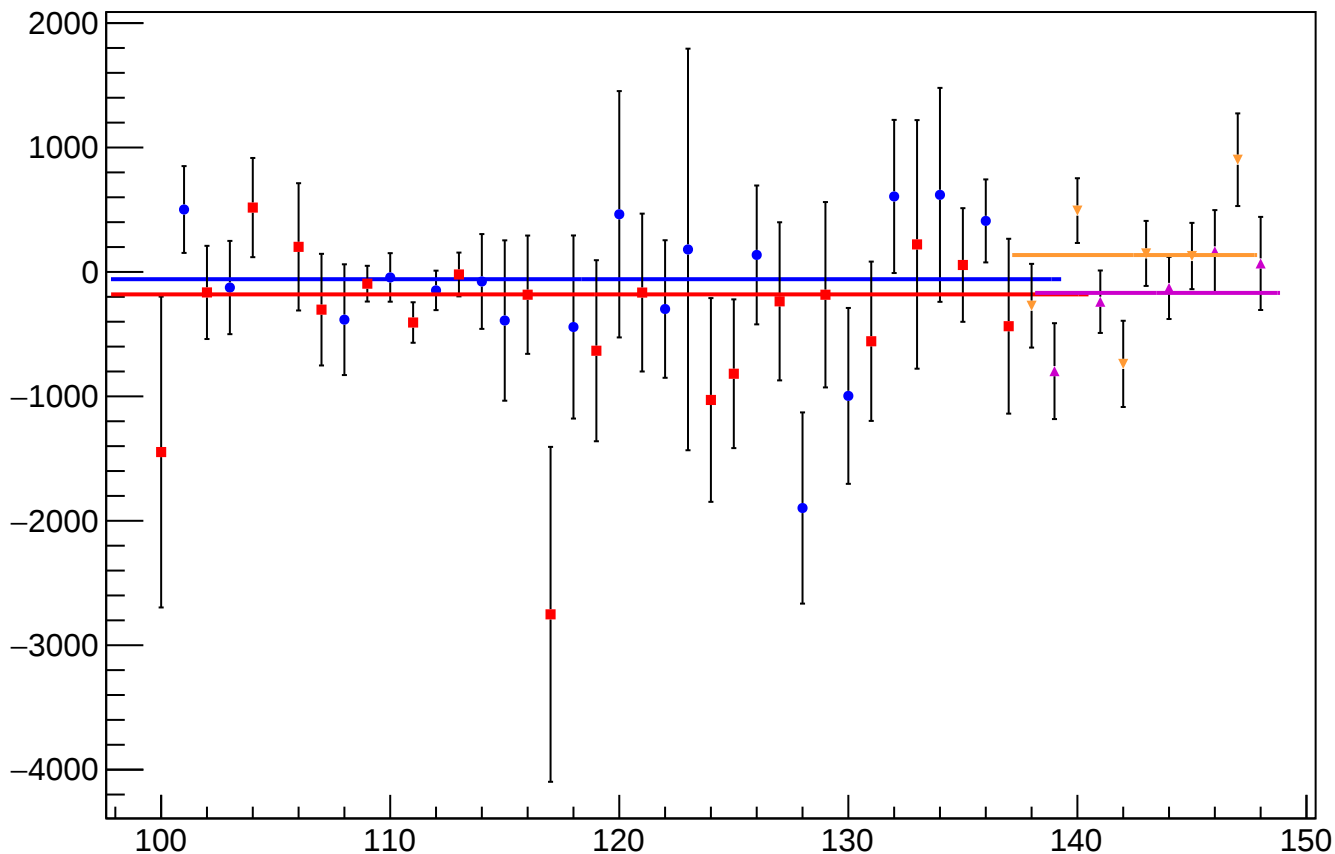
Left In: 319.396 $\pm$ 0.114 χ^2 /NDF: 196864.1/4

322.770 $\pm$ 0.074 χ^2 /NDF: 2262396.3/22

317.924 $\pm$ 0.051 χ^2 /NDF: 5210467.8/47

313.378 $\pm$ 0.071 χ^2 /NDF: 2939683.1/24

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 135.814 ± 121.360 χ^2/NDF : 14.0/5

Right Out: -180.354 ± 76.795 χ^2/NDF : 15.0/19

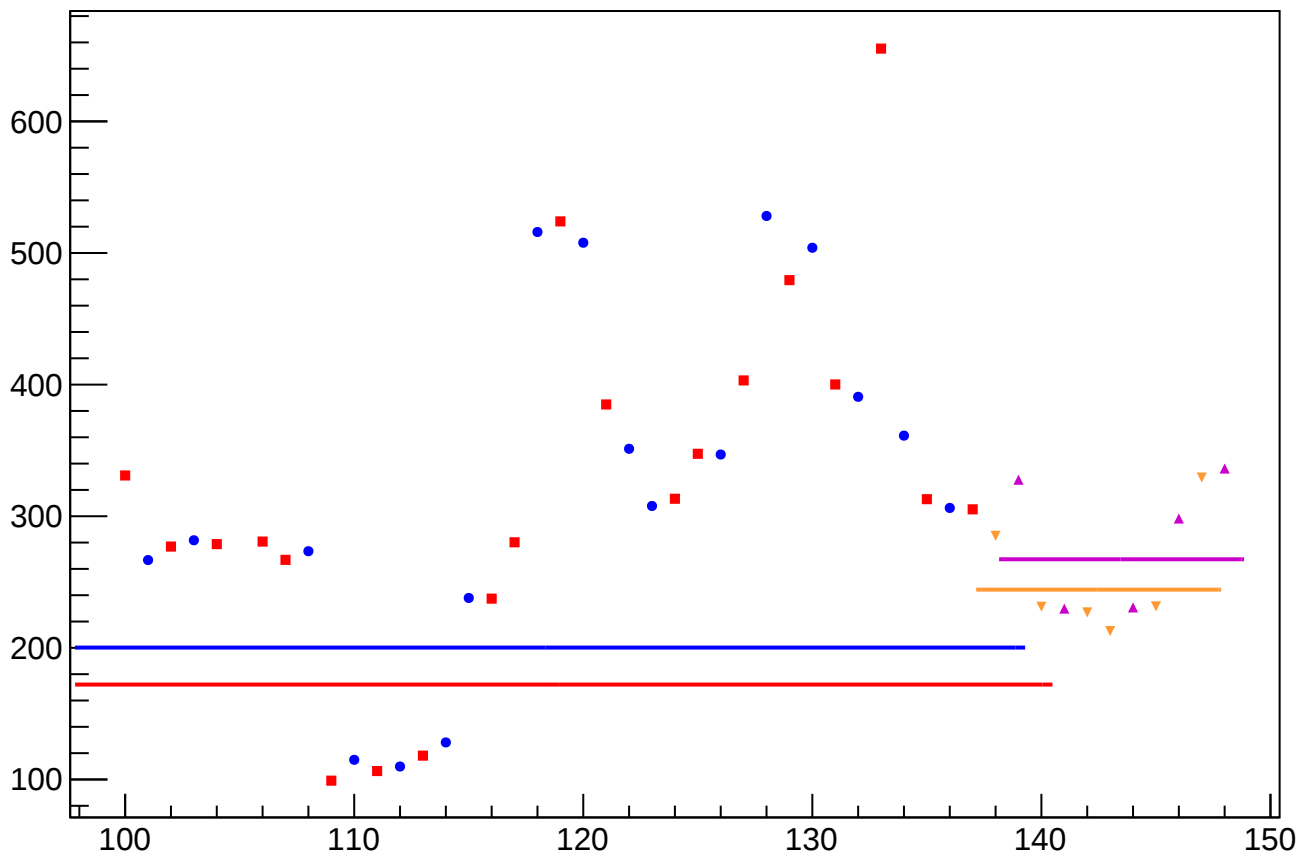
Left In: -168.438 ± 135.010 χ^2/NDF : 4.2/4

11.054 ± 72.541 χ^2/NDF : 31.5/22

-91.014 ± 49.120 χ^2/NDF : 54.3/47

-177.441 ± 66.752 χ^2/NDF : 19.2/24

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2/NDF : 3387197.7/16

Left Out: 244.227 $\pm$ 0.086 χ^2/NDF : 177746.7/5

Right Out: 172.110 $\pm$ 0.054 χ^2/NDF : 4106869.2/19

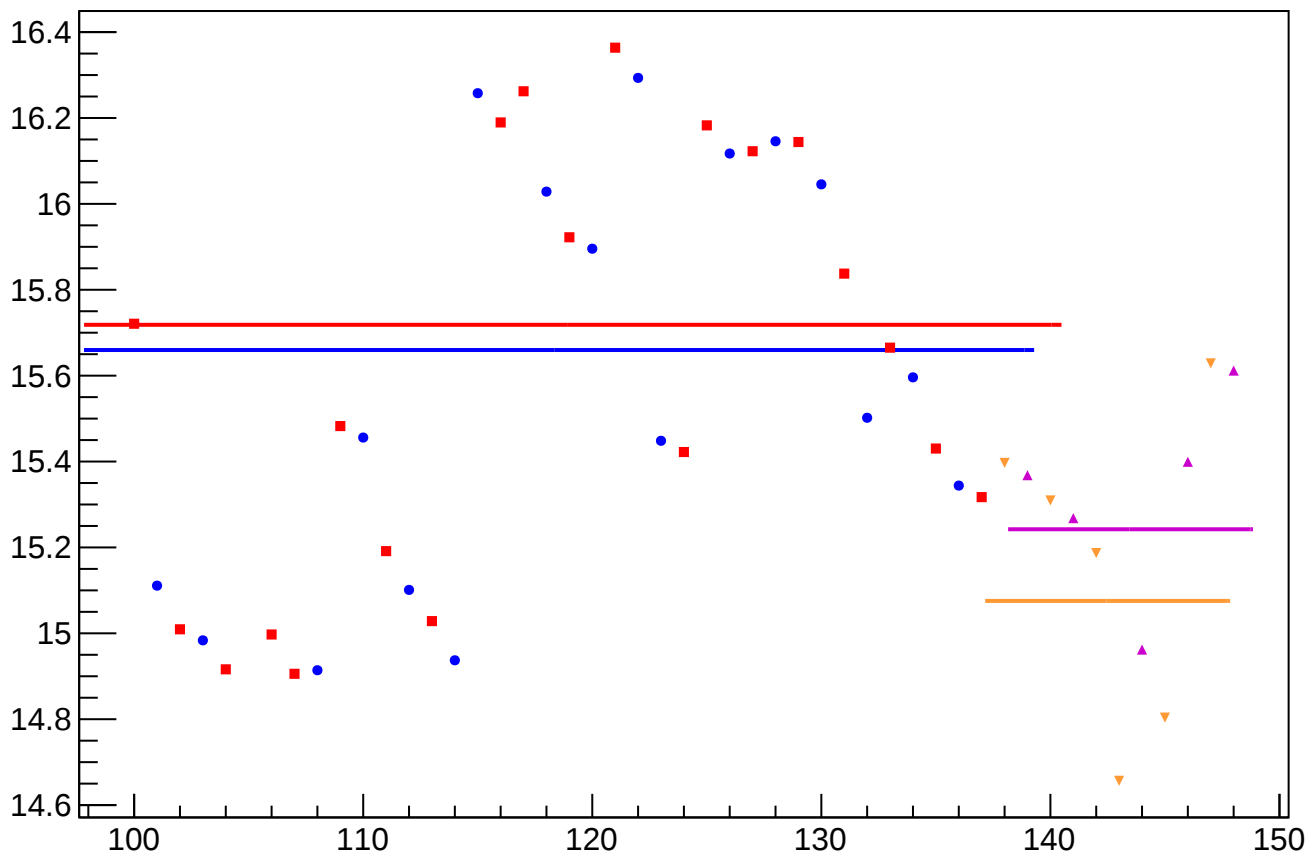
Left In: 267.300 $\pm$ 0.095 χ^2/NDF : 222061.1/4

215.936 $\pm$ 0.051 χ^2/NDF : 3734048.7/22

204.805 $\pm$ 0.035 χ^2/NDF : 8901115.7/47

195.379 $\pm$ 0.047 χ^2/NDF : 5080103.3/24

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 +/- 0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.075 +/- 0.000 χ^2/NDF : 3809708381.3/5

Right Out: 15.718 +/- 0.000 χ^2/NDF : 5490626945.9/19

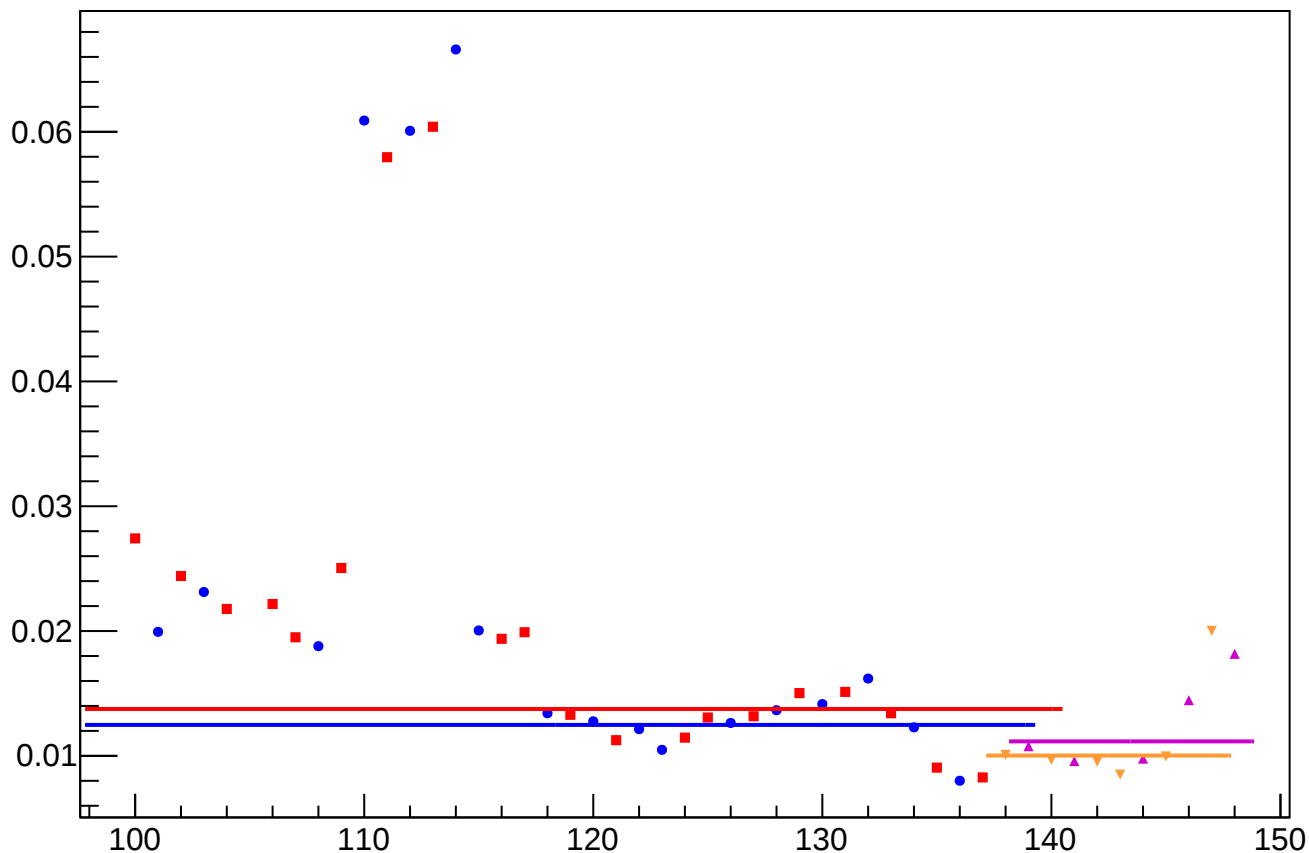
Left In: 15.242 +/- 0.000 χ^2/NDF : 1173427488.4/4

15.352 +/- 0.000 χ^2/NDF : 15543385258.3/22

15.410 +/- 0.000 χ^2/NDF : 26014913894.1/1

15.480 +/- 0.000 χ^2/NDF : 9952540844.6/24

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 +/- 0.000 χ^2/NDF : 2152911.4/16

Left Out: 0.010 +/- 0.000 χ^2/NDF : 416641.4/5

Right Out: 0.014 +/- 0.000 χ^2/NDF : 2084935.7/19

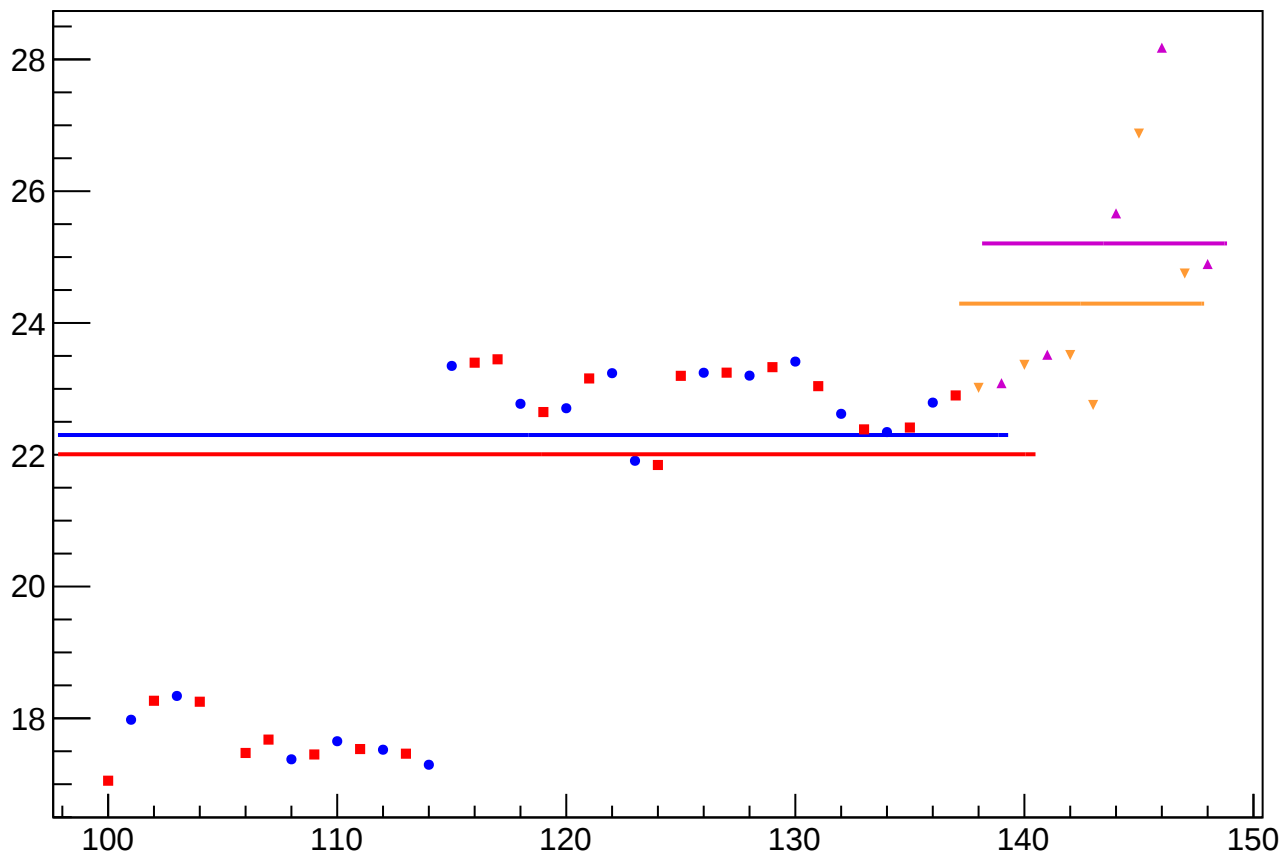
Left In: 0.011 +/- 0.000 χ^2/NDF : 380596.6/4

0.011 +/- 0.000 χ^2/NDF : 2779739.1/22

0.012 +/- 0.000 χ^2/NDF : 5543060.7/47

0.012 +/- 0.000 χ^2/NDF : 2661258.2/24

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.294+/-0.000 χ^2/NDF : 787663201.2/5

Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

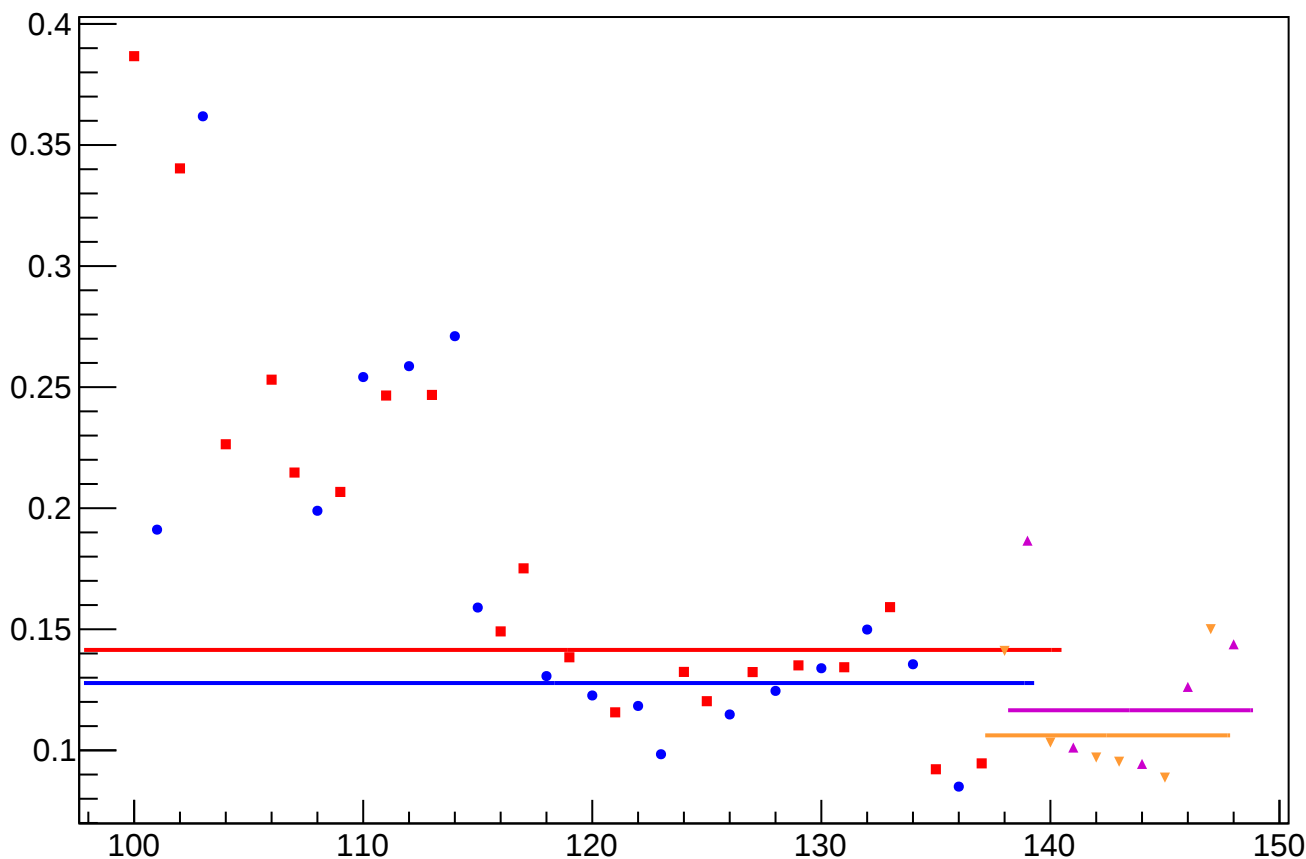
Left In: 25.207+/-0.000 χ^2/NDF : 687538947.5/4

23.272+/-0.000 χ^2/NDF : 2326364164.3/22

23.384+/-0.000 χ^2/NDF : 5434705758.8/4

23.514+/-0.000 χ^2/NDF : 3091866614.0/24

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF:267575.7/5

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1452162.4/19

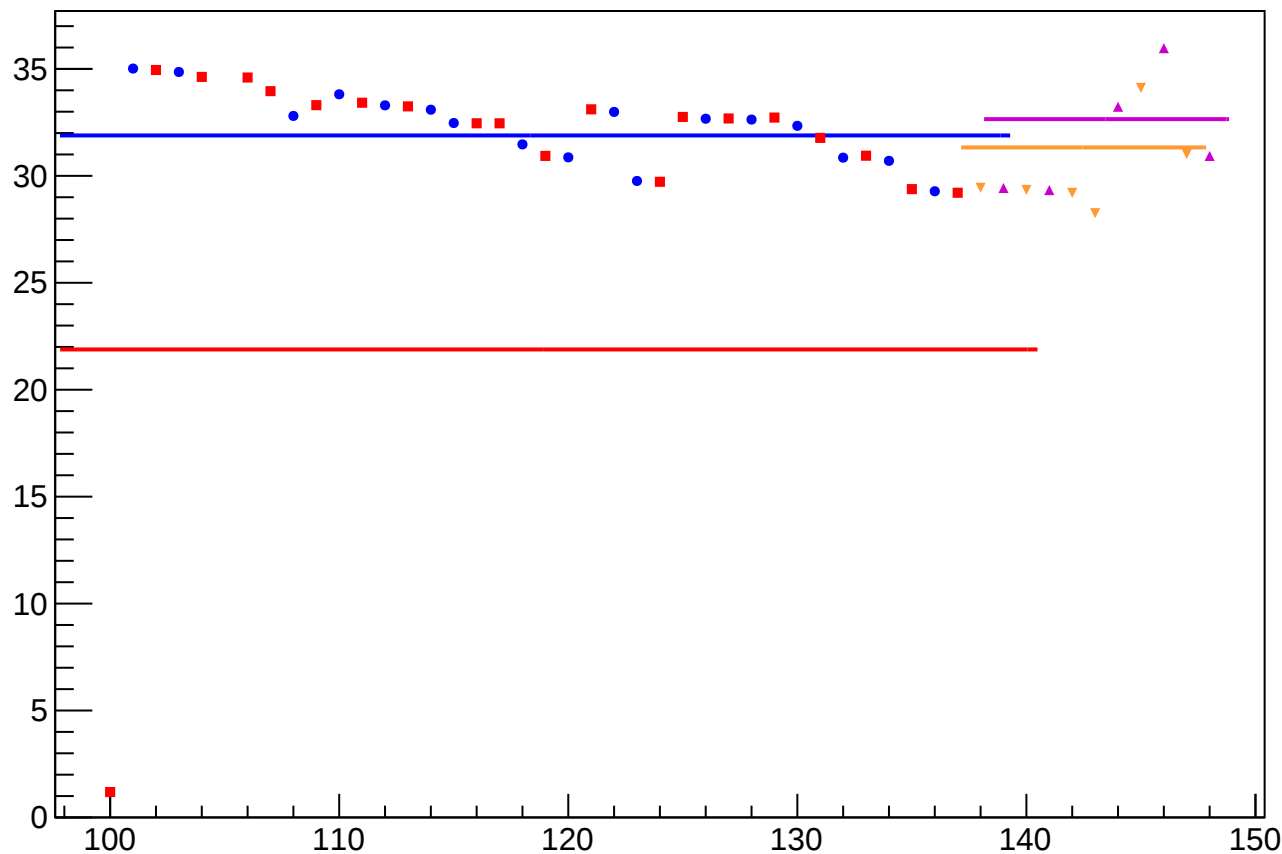
Left In: 0.117 $\pm$ 0.000 χ^2 /NDF:374076.3/4

0.117 $\pm$ 0.000 χ^2 /NDF: 1900701.1/22

0.123 $\pm$ 0.000 χ^2 /NDF: 3976314.6/47

0.130 $\pm$ 0.000 χ^2 /NDF: 1988262.0/24

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.329+/-0.000 χ^2/NDF : 4118909871.5/5

Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

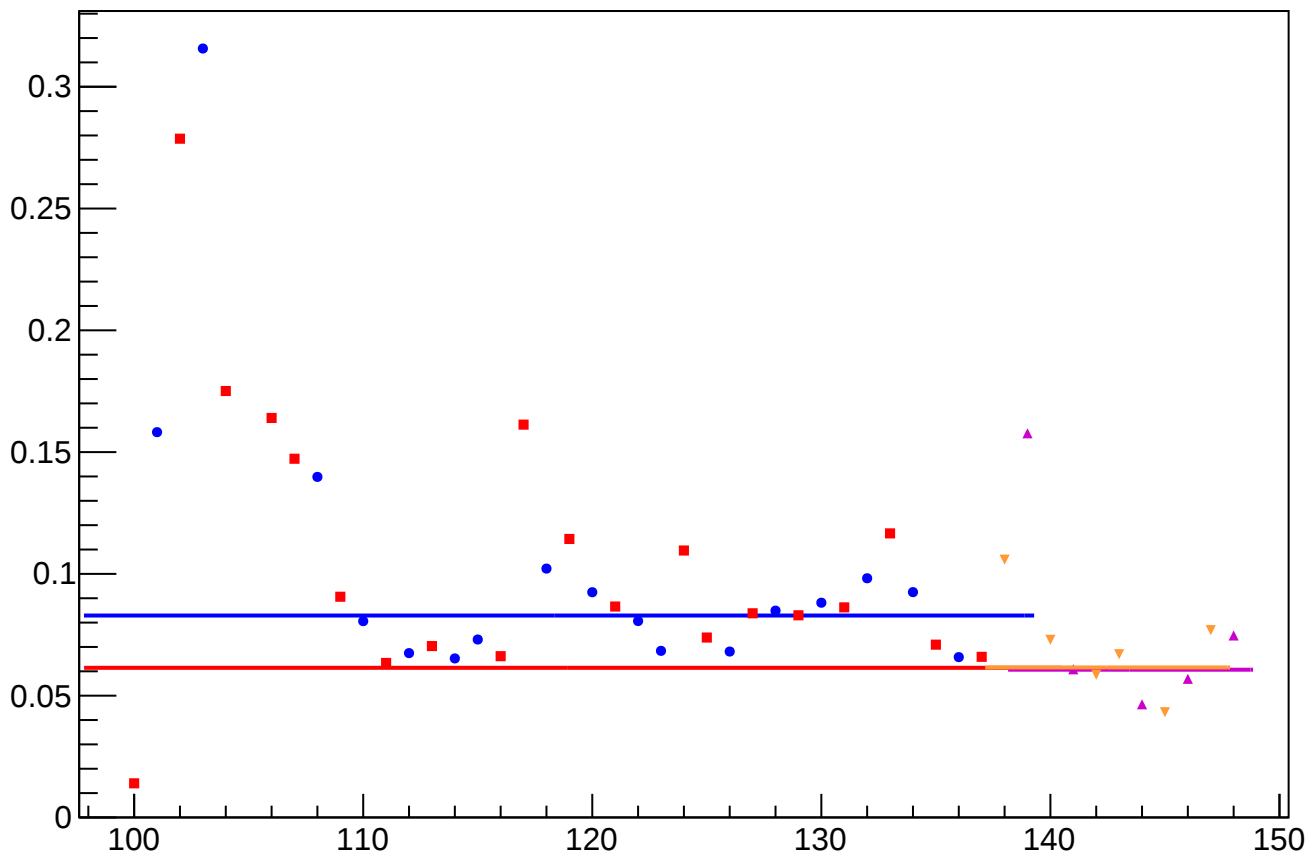
Left In: 32.652+/-0.000 χ^2/NDF : 4424008045.8/4

31.607+/-0.000 χ^2/NDF : 6162210779.7/22

28.655+/-0.000 χ^2/NDF : 314135020816.2

26.309+/-0.000 χ^2/NDF : 285480449484.4/24

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 $\pm$ 0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.062 $\pm$ 0.000 χ^2/NDF : 474600.4/5

Right Out: 0.061 $\pm$ 0.000 χ^2/NDF : 3635656.2/19

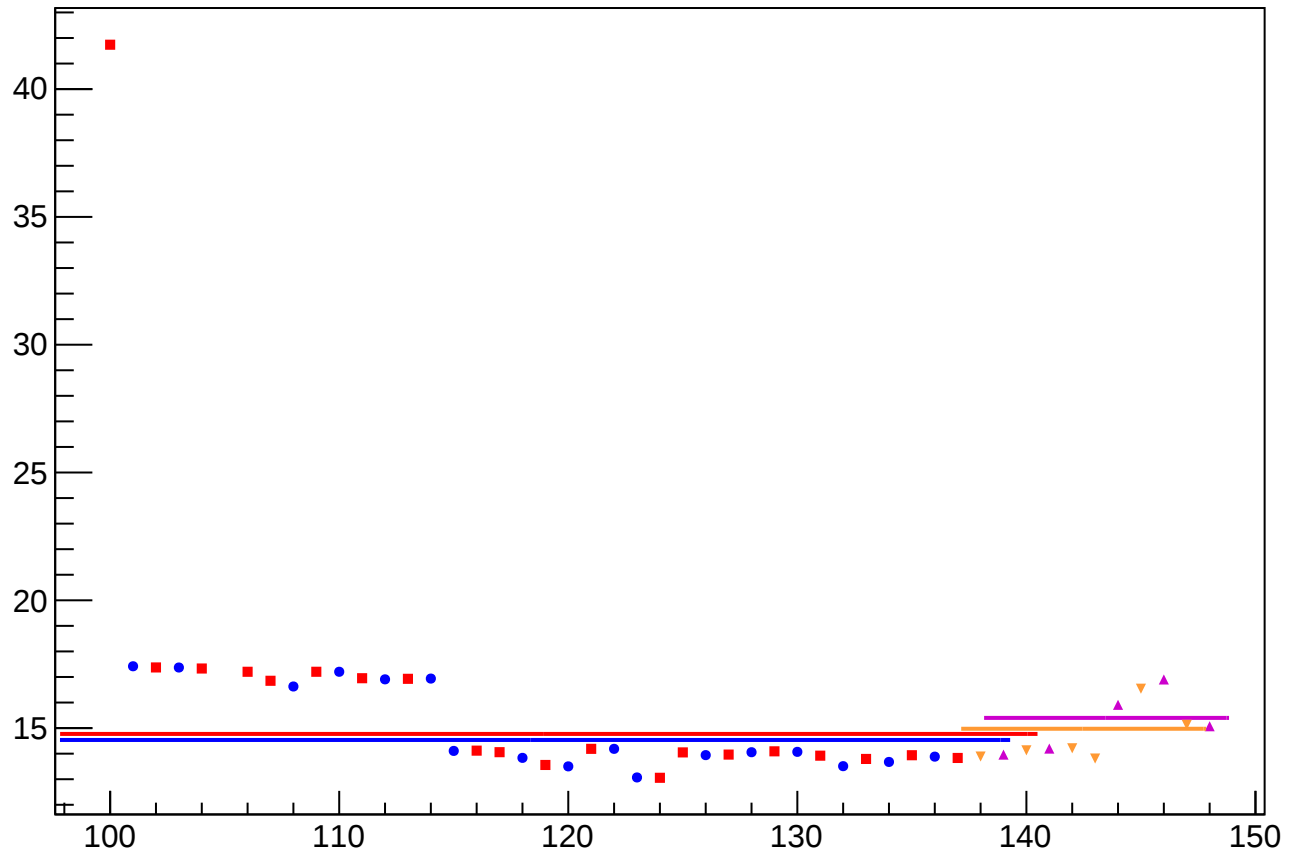
Left In: 0.061 $\pm$ 0.000 χ^2/NDF : 700079.3/4

0.072 $\pm$ 0.000 χ^2/NDF : 1965870.8/22

0.066 $\pm$ 0.000 χ^2/NDF : 6497153.7/47

0.061 $\pm$ 0.000 χ^2/NDF : 4336267.4/24

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536 ± 0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.974 ± 0.000 χ^2/NDF : 941859163.1/5

Right Out: 14.772 ± 0.000 χ^2/NDF : 1887789052.4/19

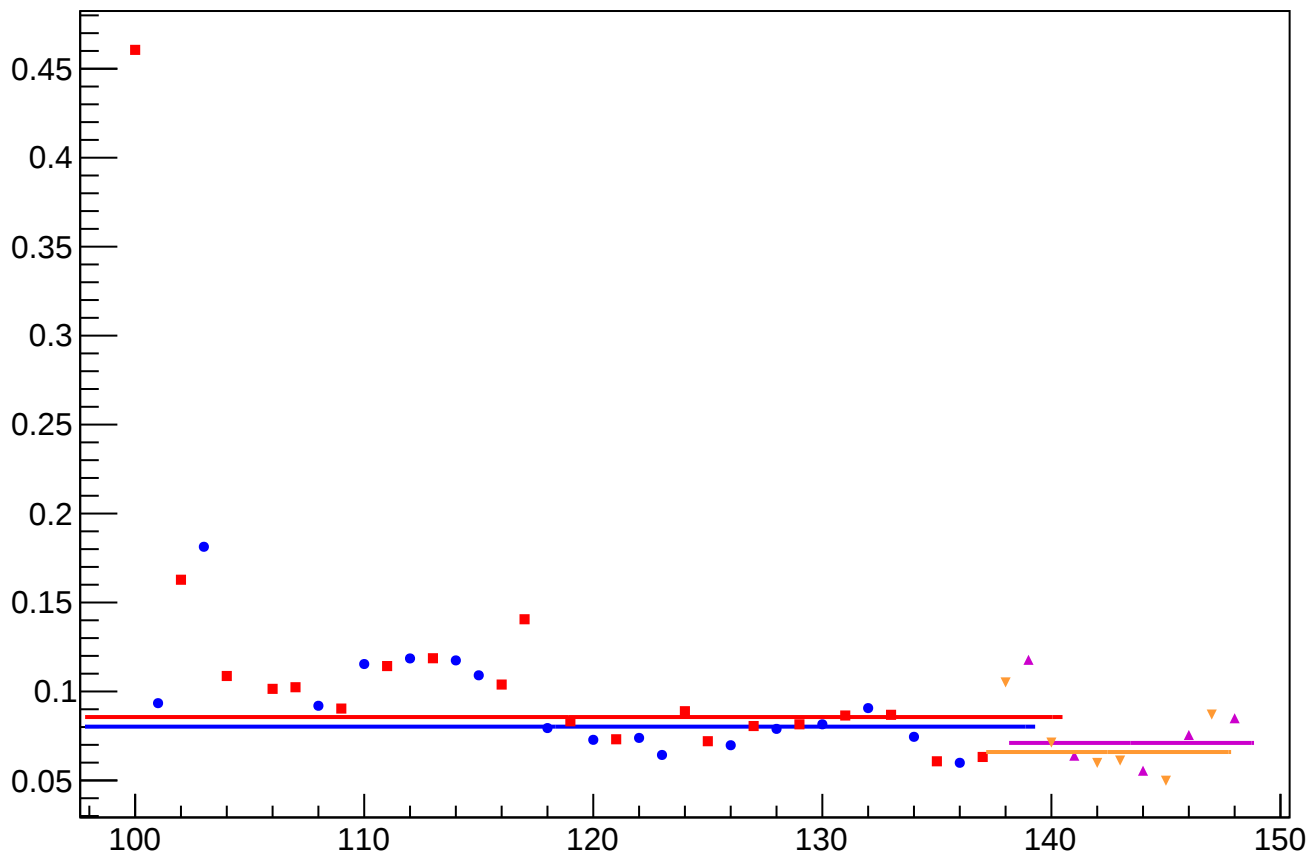
Left In: 15.399 ± 0.000 χ^2/NDF : 658304064.7/4

14.734 ± 0.000 χ^2/NDF : 2487162499.4/22

14.884 ± 0.000 χ^2/NDF : 5245772449.3/4

15.047 ± 0.000 χ^2/NDF : 2685270036.8/24

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.066+/-0.000 χ^2/NDF : 400370.3/5

Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

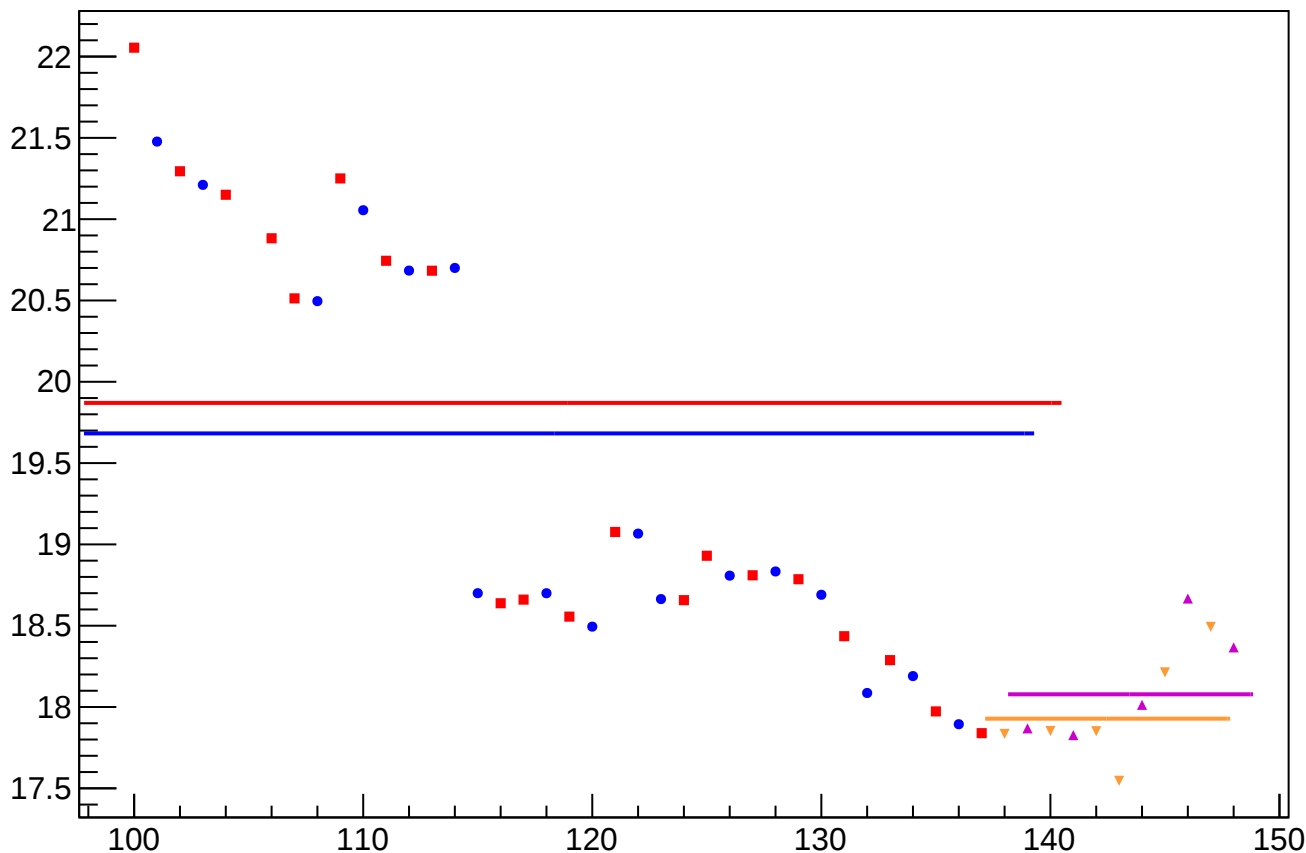
Left In: 0.071+/-0.000 χ^2/NDF : 382543.3/4

0.074+/-0.000 χ^2/NDF : 1337192.0/22

0.076+/-0.000 χ^2/NDF : 2664651.7/47

0.079+/-0.000 χ^2/NDF : 1282469.3/24

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683 $\pm$ 0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.928 $\pm$ 0.000 χ^2/NDF : 270092525.1/5

Right Out: 19.870 $\pm$ 0.000 χ^2/NDF : 11333011670.6/19

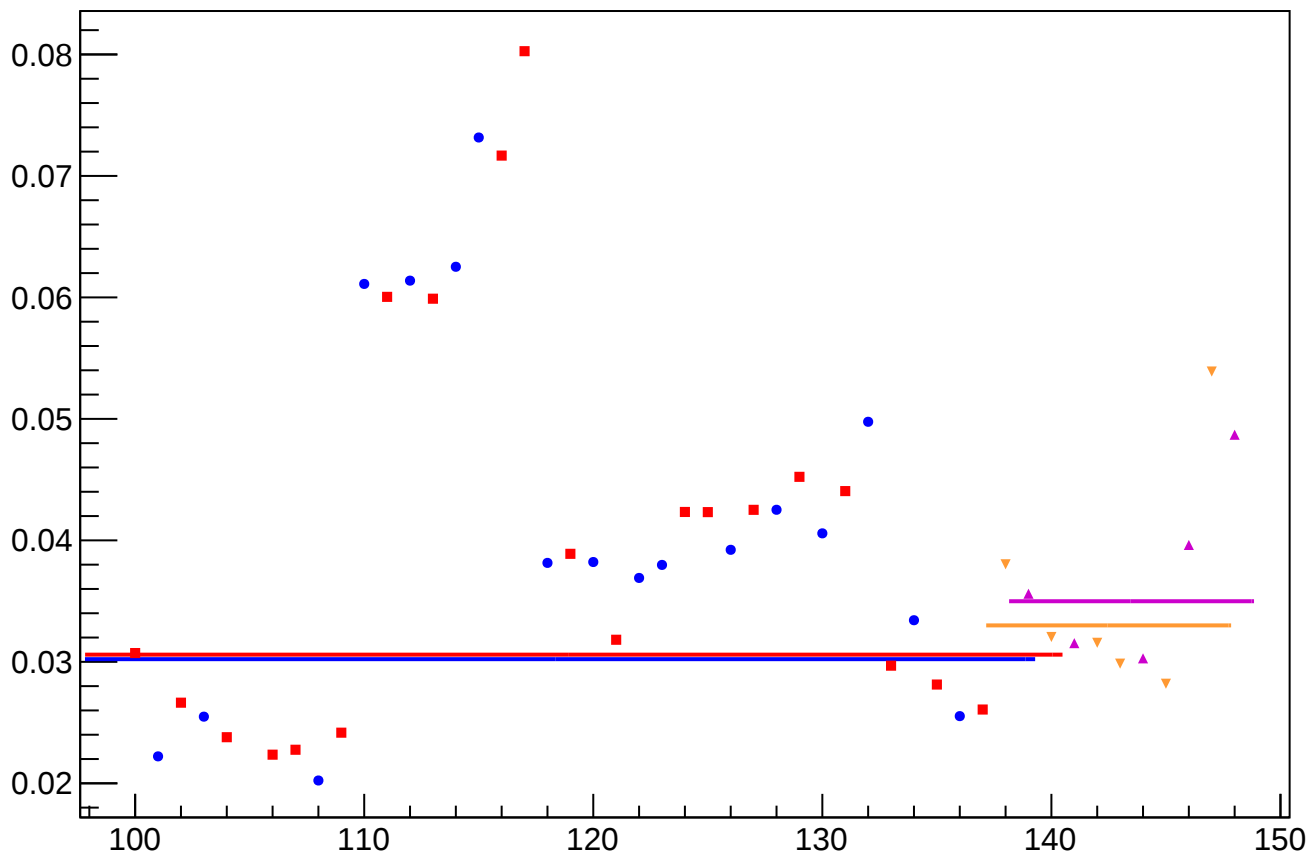
Left In: 18.078 $\pm$ 0.000 χ^2/NDF : 271449096.8/4

19.047 $\pm$ 0.000 χ^2/NDF : 19363882410.1/22

19.166 $\pm$ 0.000 χ^2/NDF : 37845545005.1/22

19.288 $\pm$ 0.000 χ^2/NDF : 18206286422.5/24

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.033+/-0.000 χ^2/NDF : 308868.4/5

Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

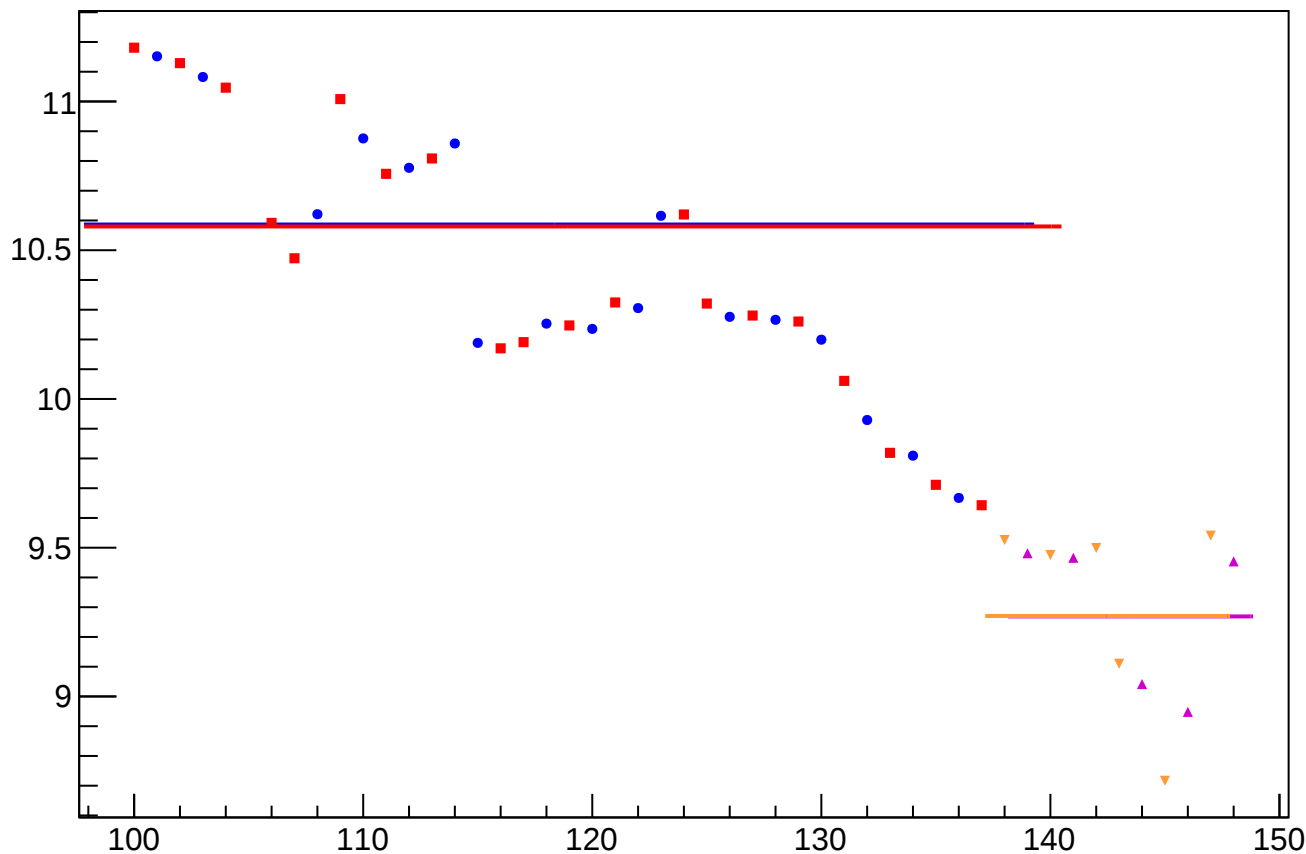
Left In: 0.035+/-0.000 χ^2/NDF : 200045.4/4

0.031+/-0.000 χ^2/NDF : 1667629.2/22

0.032+/-0.000 χ^2/NDF : 3172359.5/47

0.032+/-0.000 χ^2/NDF : 1498767.3/24

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.271 $\pm$ 0.000 χ^2 /NDF: 937964846.8/5

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5769007164.9/19

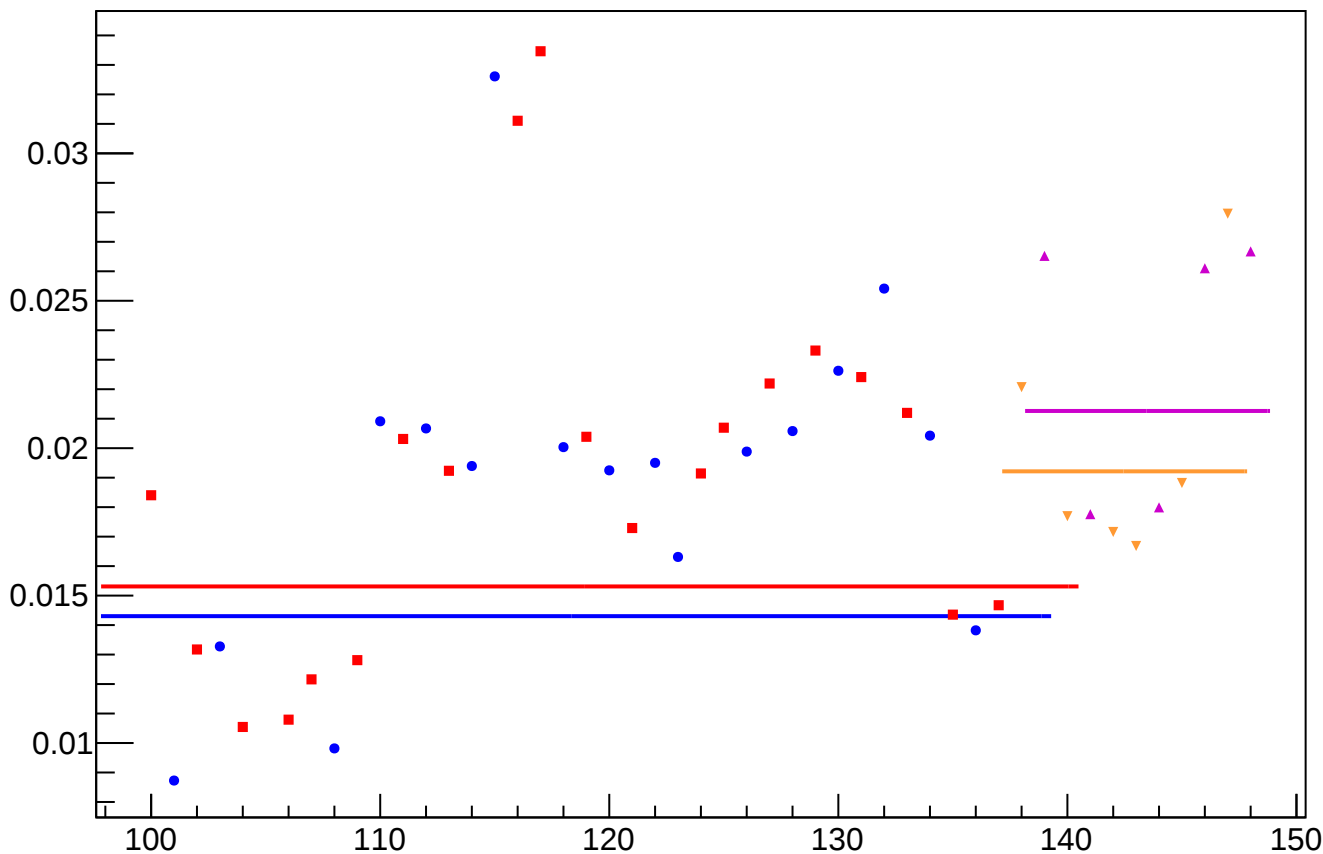
Left In: 9.269 $\pm$ 0.000 χ^2 /NDF: 409623505.8/4

10.225 $\pm$ 0.000 χ^2 /NDF: 20728590695.4/22

10.245 $\pm$ 0.000 χ^2 /NDF: 37335895800.2/2

10.266 $\pm$ 0.000 χ^2 /NDF: 16578209140.5/24

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF : 217541.7/5

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1011477.2/19

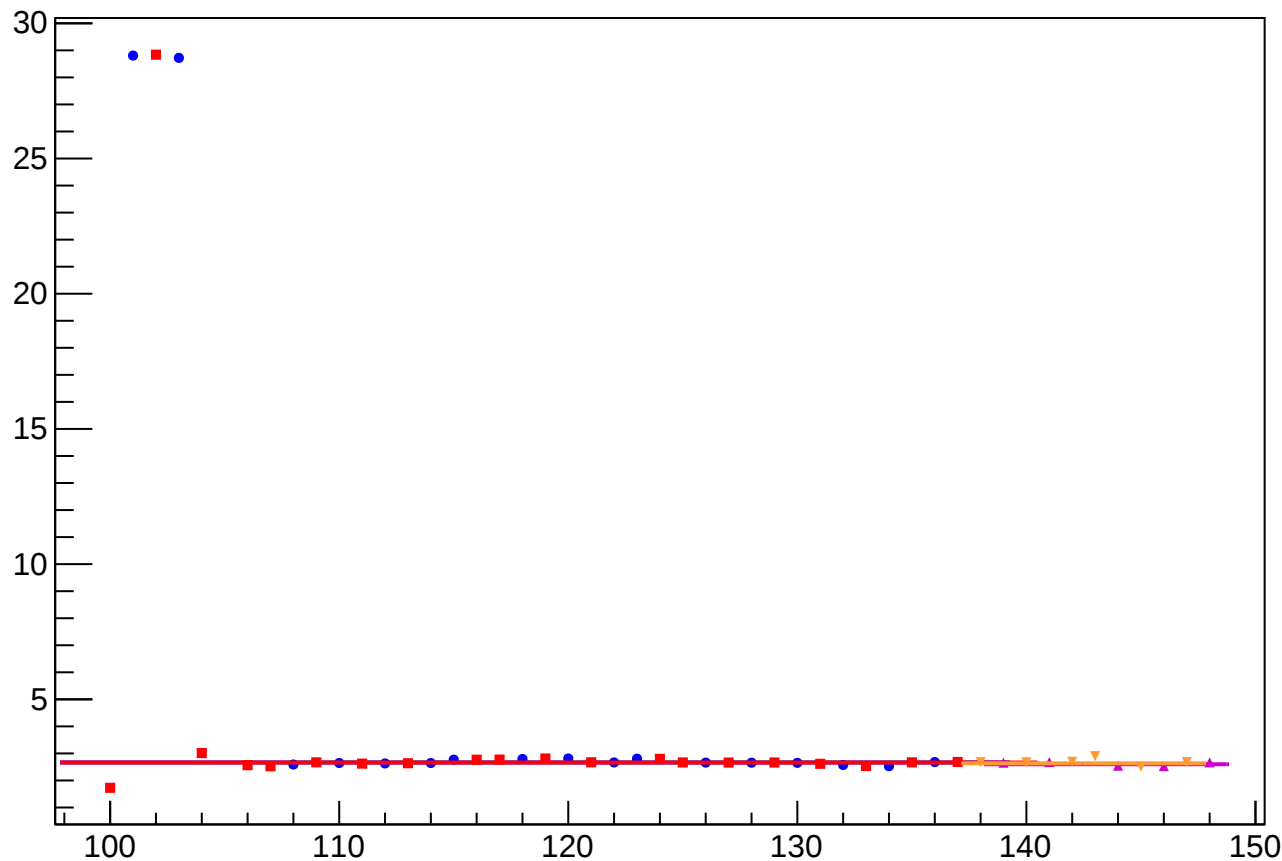
Left In: 0.021 $\pm$ 0.000 χ^2/NDF : 278865.2/4

0.016 $\pm$ 0.000 χ^2/NDF : 1970313.7/22

0.016 $\pm$ 0.000 χ^2/NDF : 3729983.4/47

0.017 $\pm$ 0.000 χ^2/NDF : 1719130.6/24

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.634 $\pm$ 0.000 χ^2 /NDF: 11119959889.6/5

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70484048082.1/19

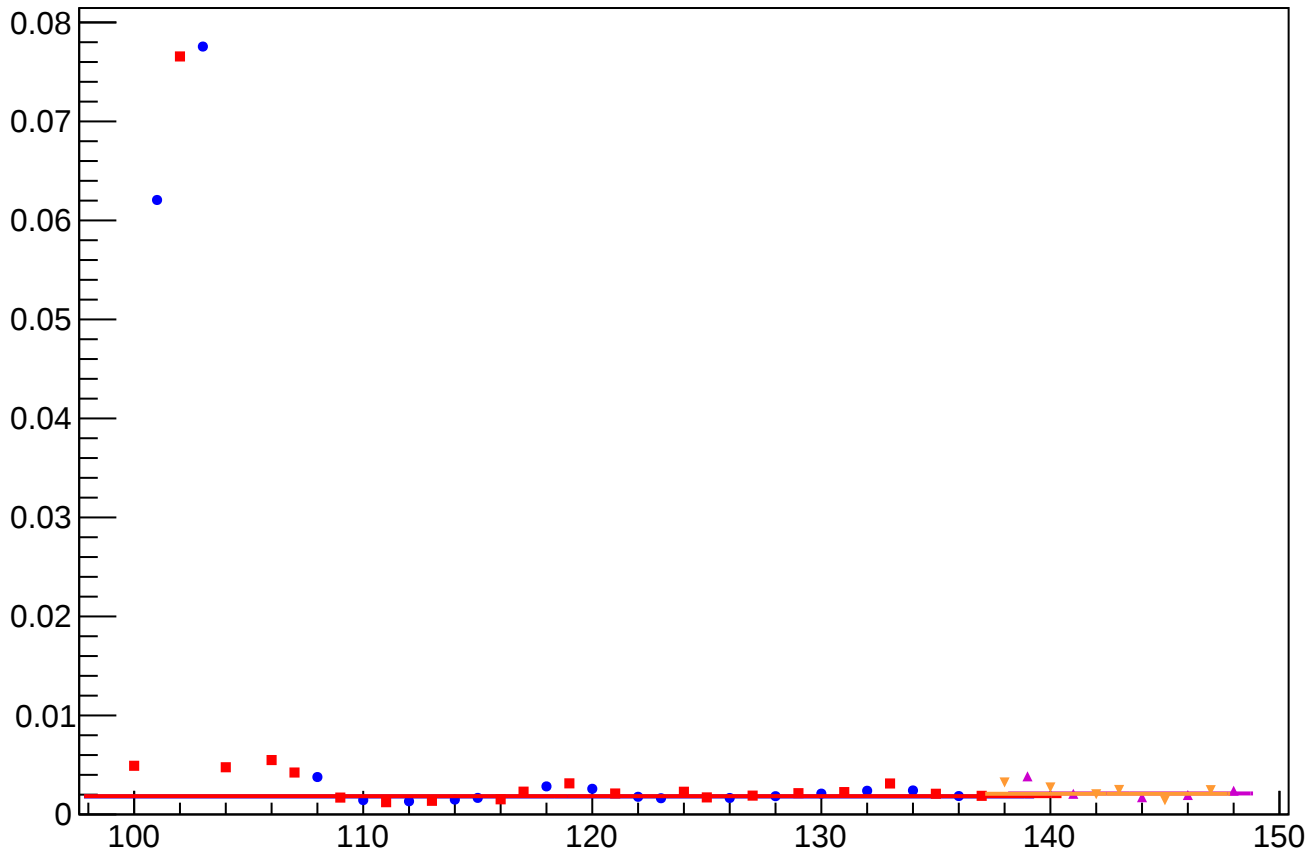
Left In: 2.600 $\pm$ 0.000 χ^2 /NDF: 3052540995.6/4

2.655 $\pm$ 0.000 χ^2 /NDF: 174753619815.8/22

2.649 $\pm$ 0.000 χ^2 /NDF: 250378629417.5/24

2.643 $\pm$ 0.000 χ^2 /NDF: 75468331374.0/24

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 517295.0/5

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

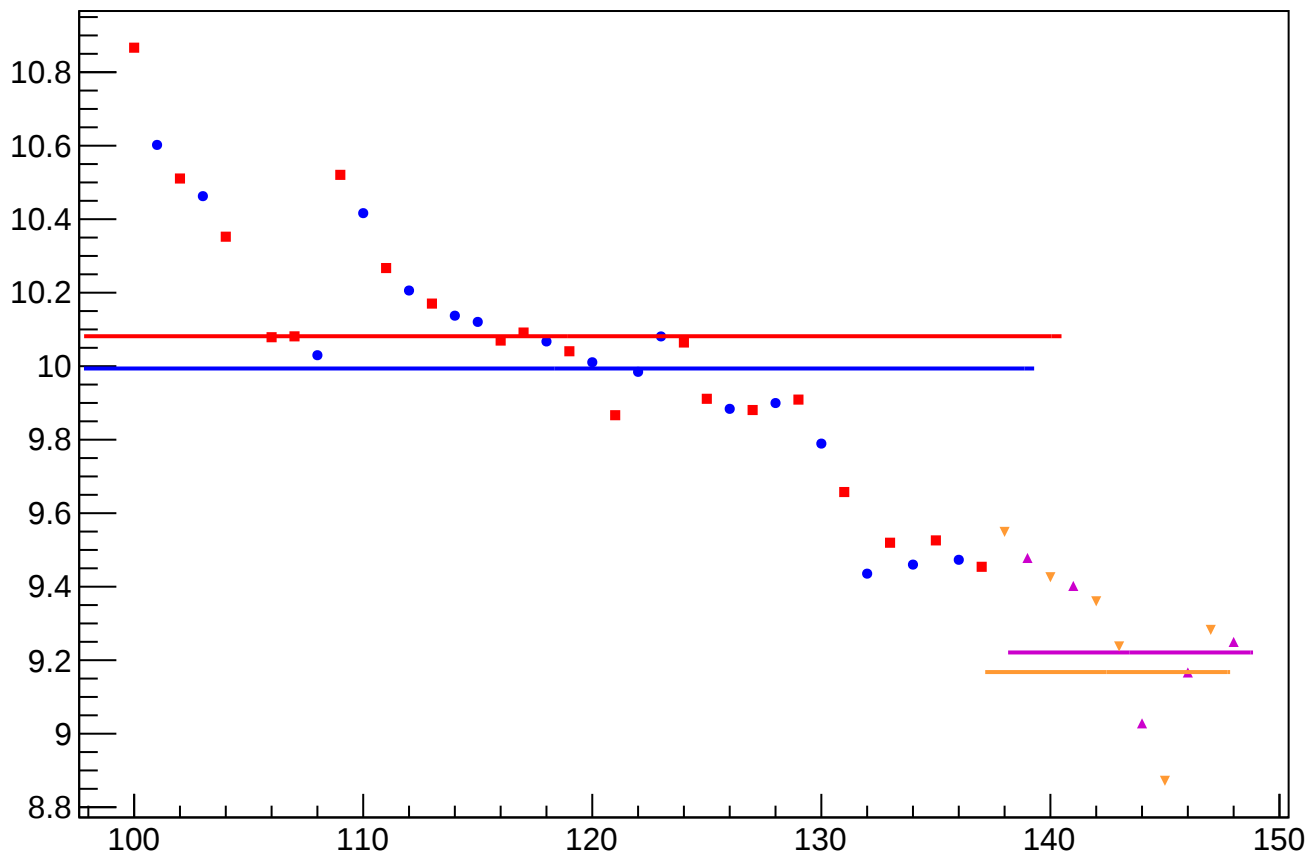
Left In: 0.002+/-0.000 χ^2/NDF : 370349.2/4

0.002+/-0.000 χ^2/NDF : 3246278.1/22

0.002+/-0.000 χ^2/NDF : 6022488.7/47

0.002+/-0.000 χ^2/NDF : 2774492.7/24

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.168+/-0.000 χ^2/NDF : 4524269755.4/5

Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

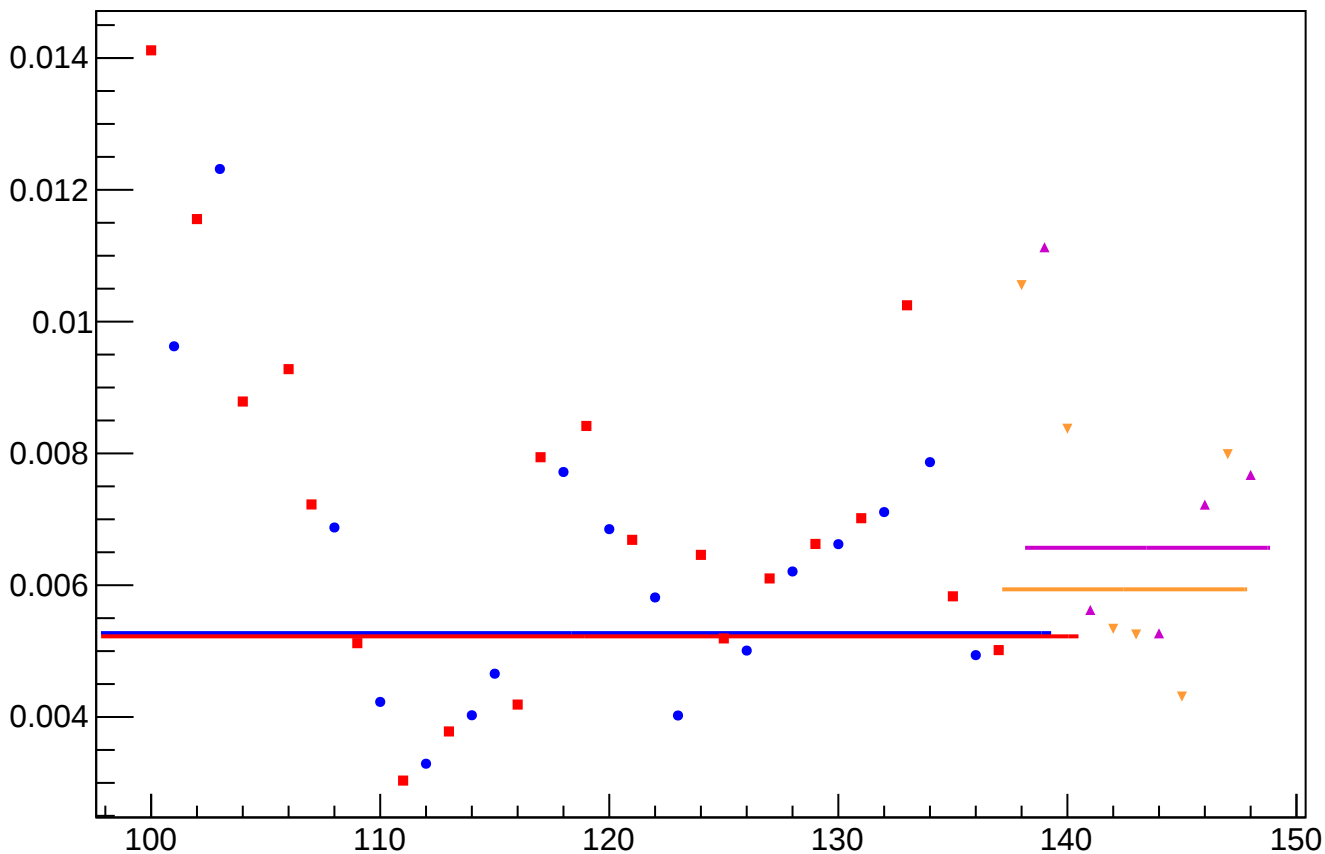
Left In: 9.221+/-0.000 χ^2/NDF : 1858699973.2/4

9.734+/-0.000 χ^2/NDF : 62067484348.1/22

9.792+/-0.000 χ^2/NDF : 119790029619.5/

9.849+/-0.000 χ^2/NDF : 56000211385.5/24

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 597997.8/5

Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

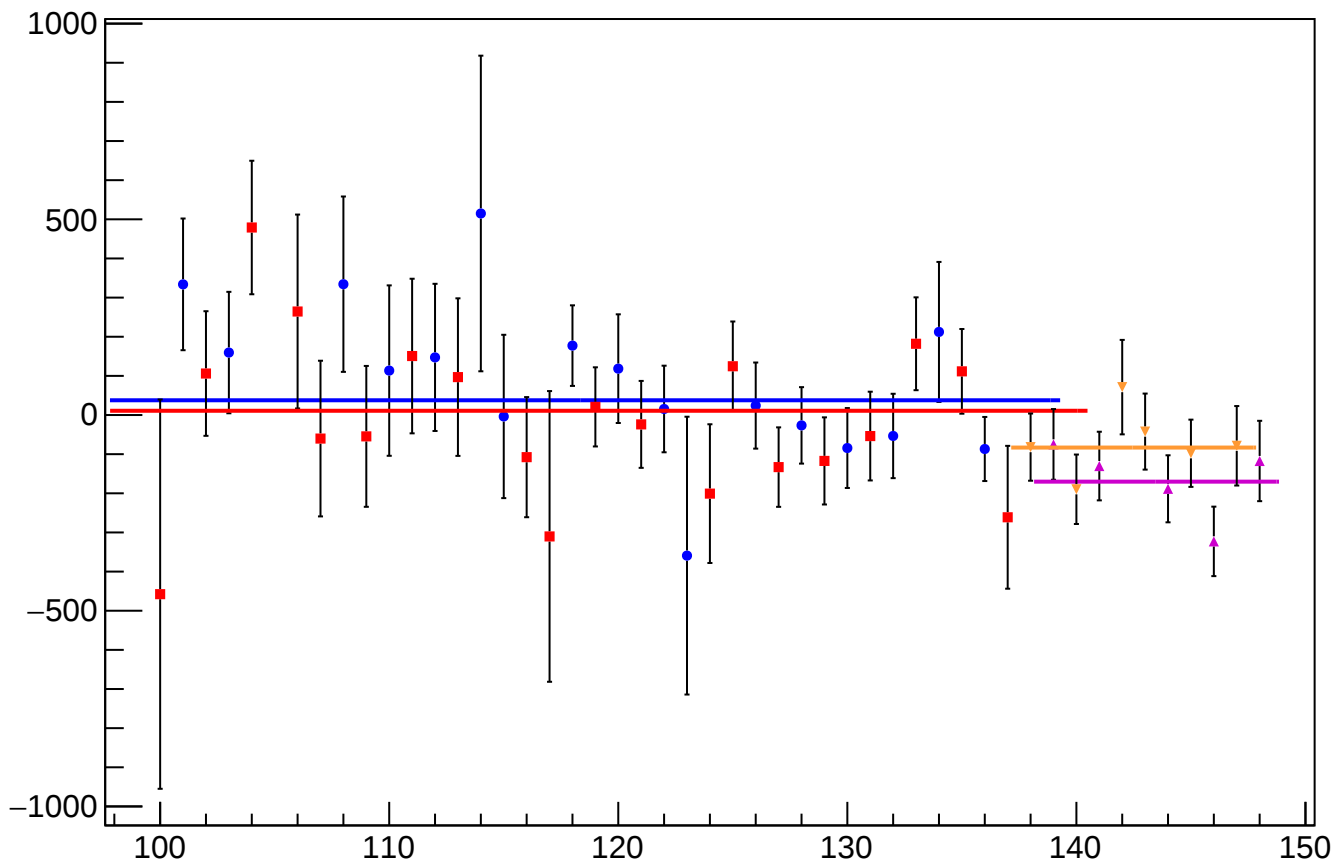
Left In: 0.007+/-0.000 χ^2/NDF : 378328.2/4

0.005+/-0.000 χ^2/NDF : 1893690.9/22

0.006+/-0.000 χ^2/NDF : 4131001.3/47

0.006+/-0.000 χ^2/NDF : 2234340.4/24

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -83.113 $\pm$ 38.633 χ^2 /NDF: 3.3/5

Right Out: 10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

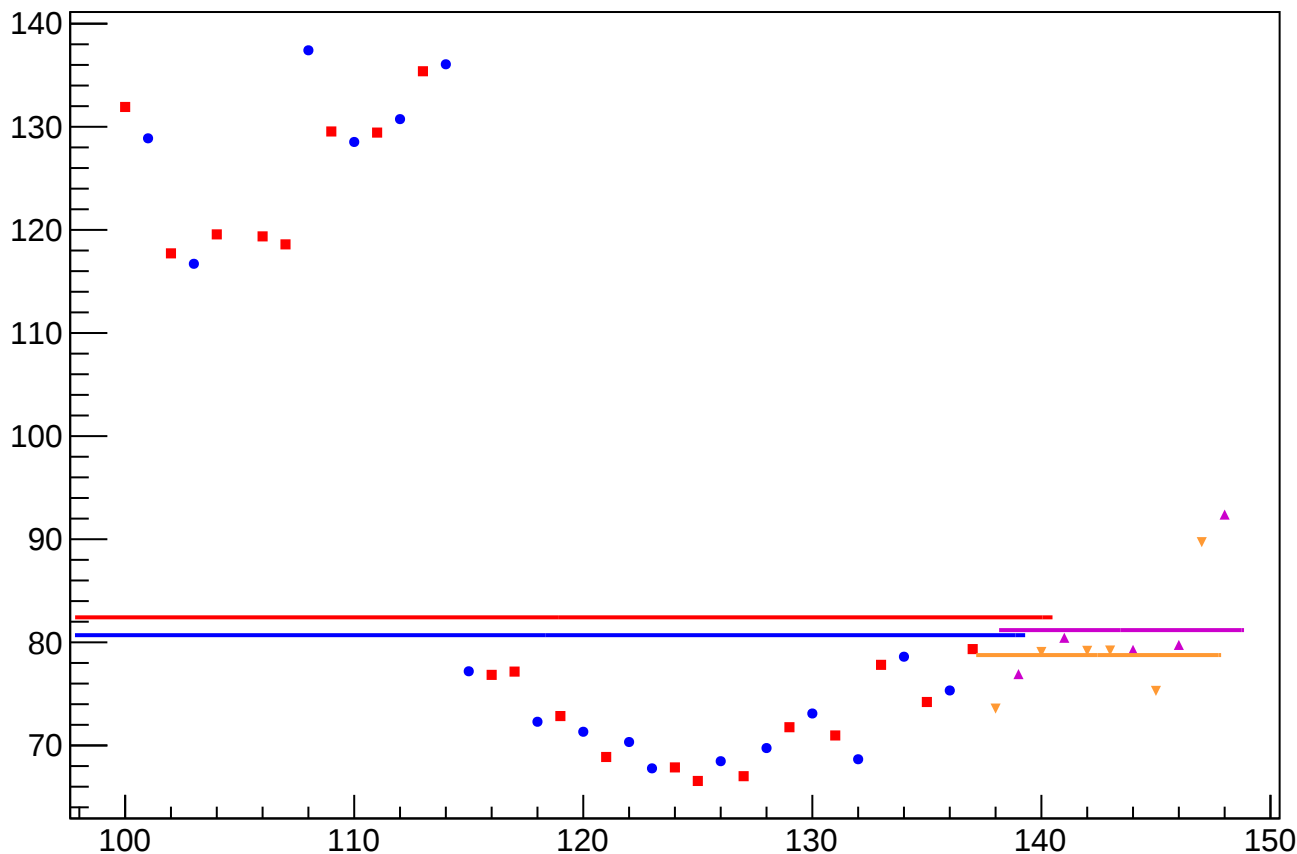
Left In: -170.217 $\pm$ 40.456 χ^2 /NDF: 4.6/4

-11.925 $\pm$ 24.759 χ^2 /NDF: 25.7/22

-35.006 $\pm$ 17.617 χ^2 /NDF: 67.9/47

-58.675 $\pm$ 25.072 χ^2 /NDF: 40.4/24

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694+/-0.023 χ^2/NDF : 814026.4/16

Left Out: 78.765+/-0.027 χ^2/NDF : 33937.9/5

Right Out: 82.424+/-0.023 χ^2/NDF : 915282.5/19

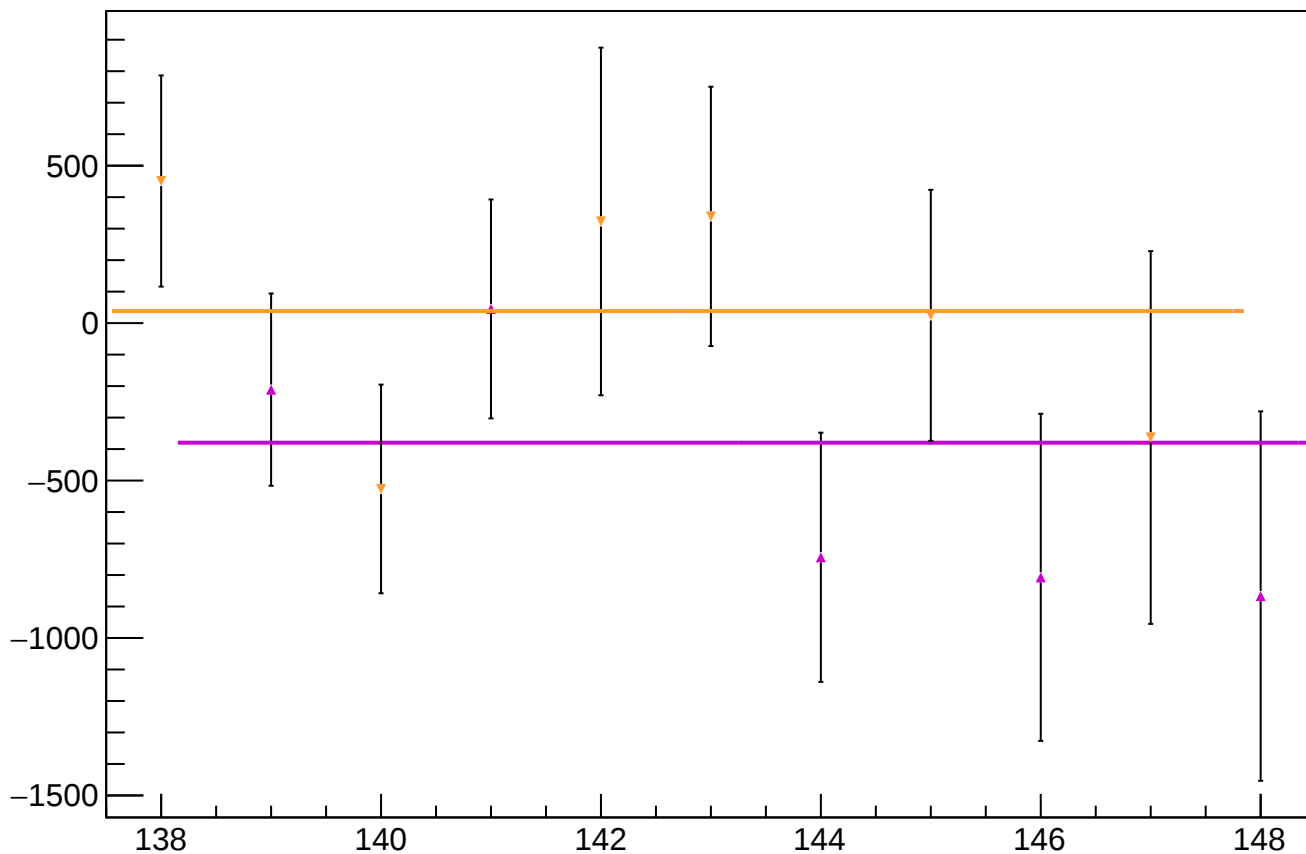
Left In: 81.186+/-0.029 χ^2/NDF : 29959.4/4

79.902+/-0.018 χ^2/NDF : 850902.7/22

80.913+/-0.012 χ^2/NDF : 1804047.2/47

81.949+/-0.018 χ^2/NDF : 946395.5/24

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 38.251+/-165.902 χ^2/NDF : 5.7/5

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

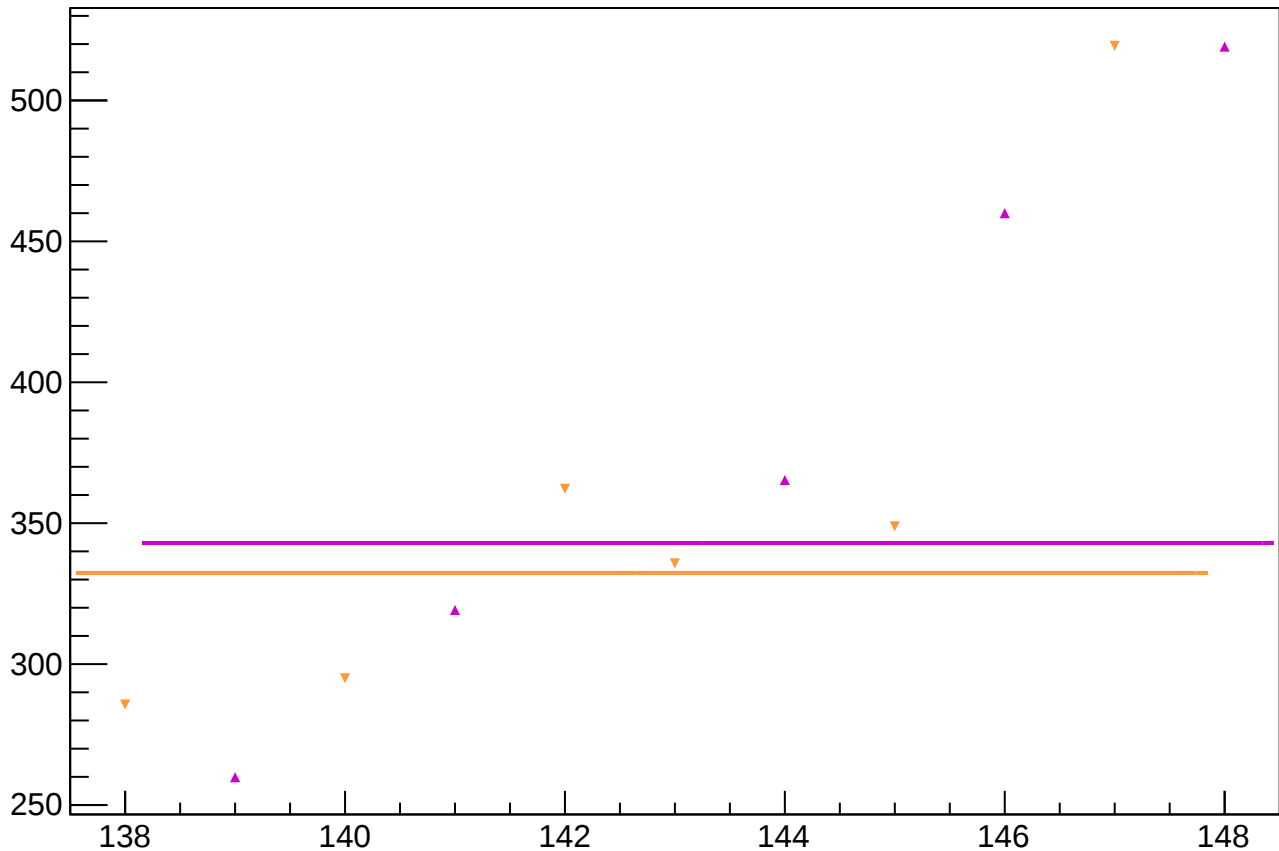
Left In: -379.759+/-176.763 χ^2/NDF : 4.0/4

38.251+/-165.902 χ^2/NDF : 5.7/5

-157.519+/-120.968 χ^2/NDF : 12.7/10

-379.759+/-176.763 χ^2/NDF : 4.0/4

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 332.356+/-0.117 χ^2/NDF : 273337.8/5

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

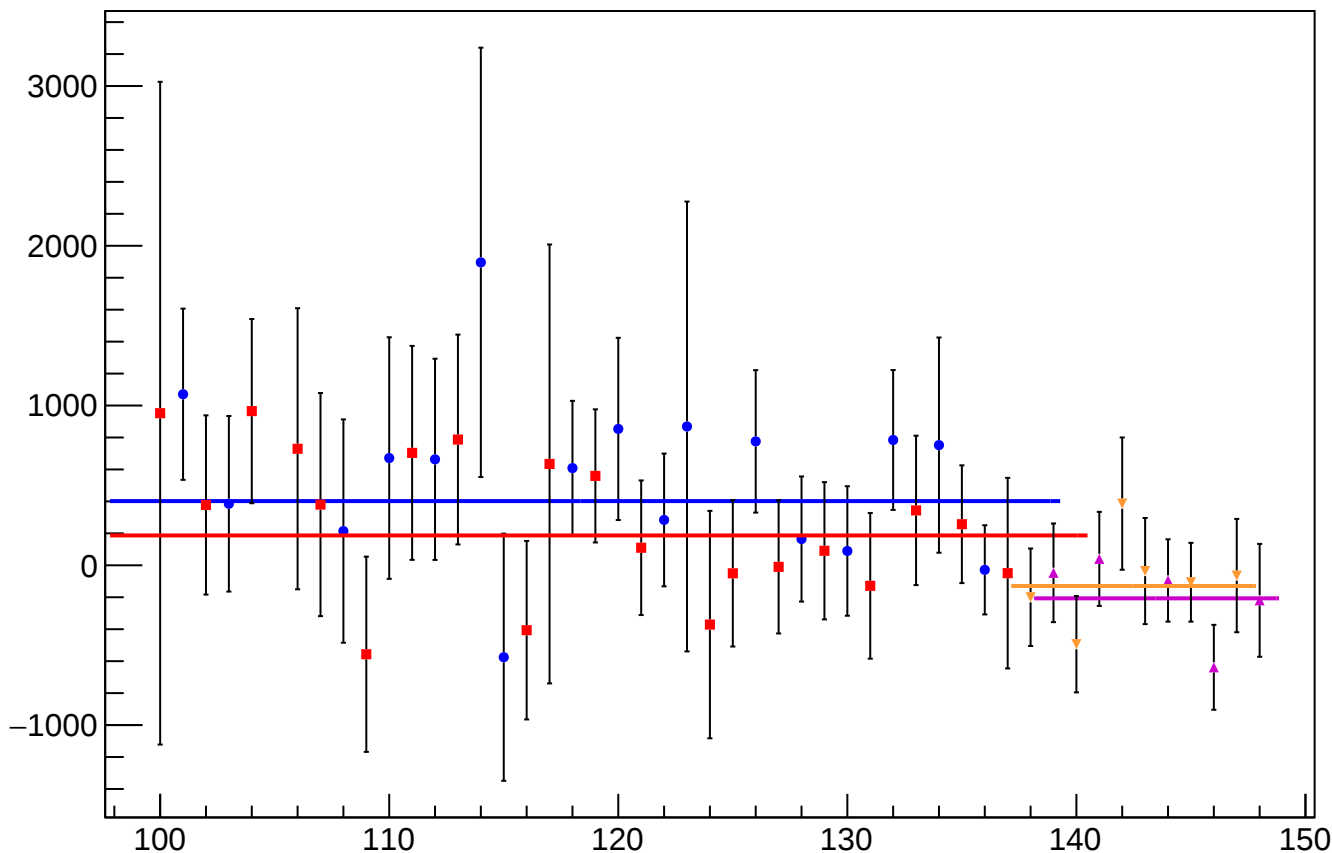
Left In: 342.973+/-0.125 χ^2/NDF : 445695.3/4

332.356+/-0.117 χ^2/NDF : 273337.8/5

337.328+/-0.086 χ^2/NDF : 722868.8/10

342.973+/-0.125 χ^2/NDF : 445695.3/4

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2/NDF : 10.9/16

Left Out: -129.618 $\pm$ 127.999 χ^2/NDF : 3.2/5

Right Out: 186.914 $\pm$ 119.879 χ^2/NDF : 9.4/19

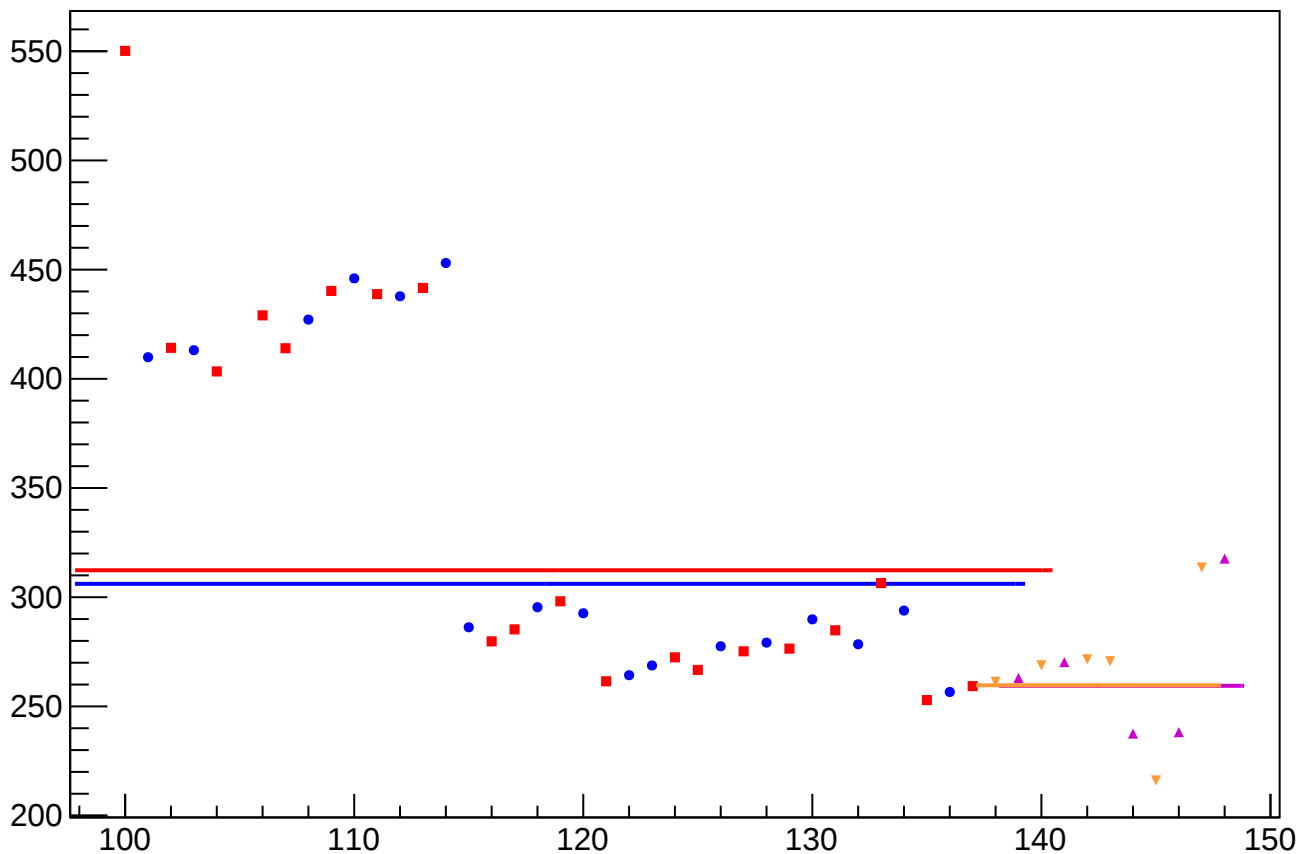
Left In: -206.826 $\pm$ 129.906 χ^2/NDF : 3.8/4

150.950 $\pm$ 87.948 χ^2/NDF : 23.2/22

78.512 $\pm$ 62.242 χ^2/NDF : 42.8/47

5.825 $\pm$ 88.099 χ^2/NDF : 18.2/24

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 259.666+/-0.091 χ^2/NDF : 114370.9/5

Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

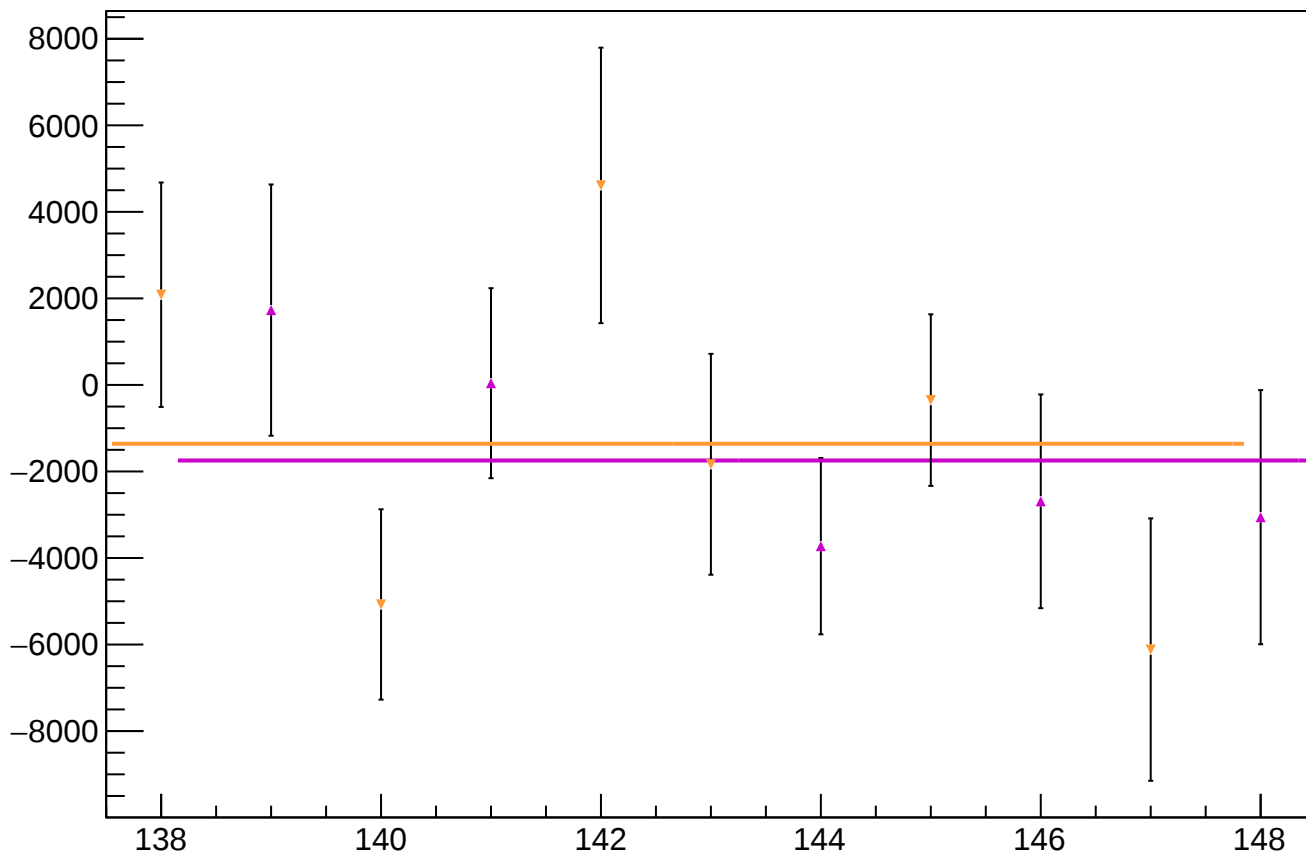
Left In: 259.427+/-0.092 χ^2/NDF : 84556.1/4

284.190+/-0.062 χ^2/NDF : 761892.2/22

286.093+/-0.044 χ^2/NDF : 1654046.9/47

288.001+/-0.062 χ^2/NDF : 890280.0/24

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1359.655+/-1014.992 χ^2/NDF :10.9/5

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

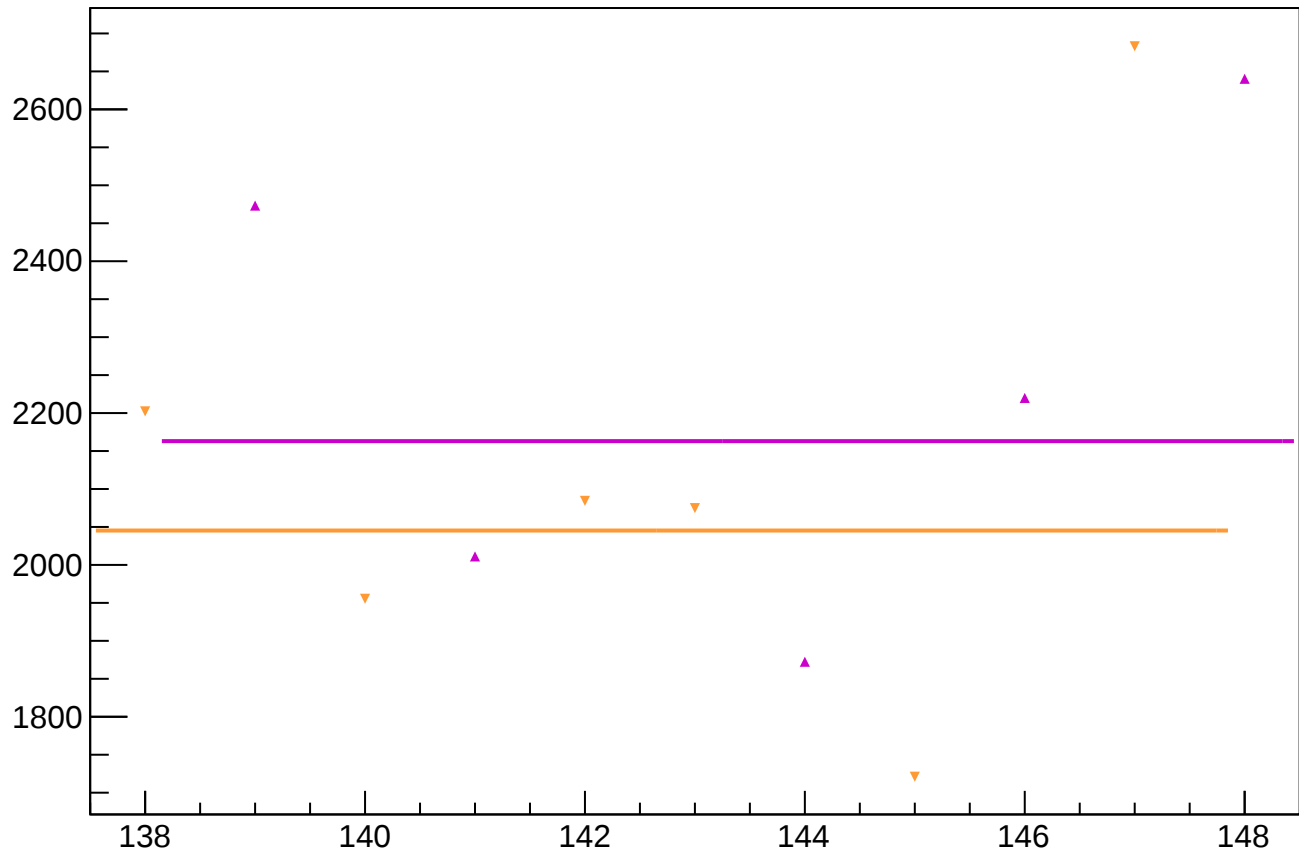
Left In: -1746.526+/-1086.788 χ^2/NDF :3.4/4

-1359.655+/-1014.992 χ^2/NDF : 10.9/5

-1539.891+/-741.792 χ^2/NDF : 14.3/10

-1746.526+/-1086.788 χ^2/NDF : 3.4/4

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2045.300+/-0.718 χ^2/NDF : 153209.9/5

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

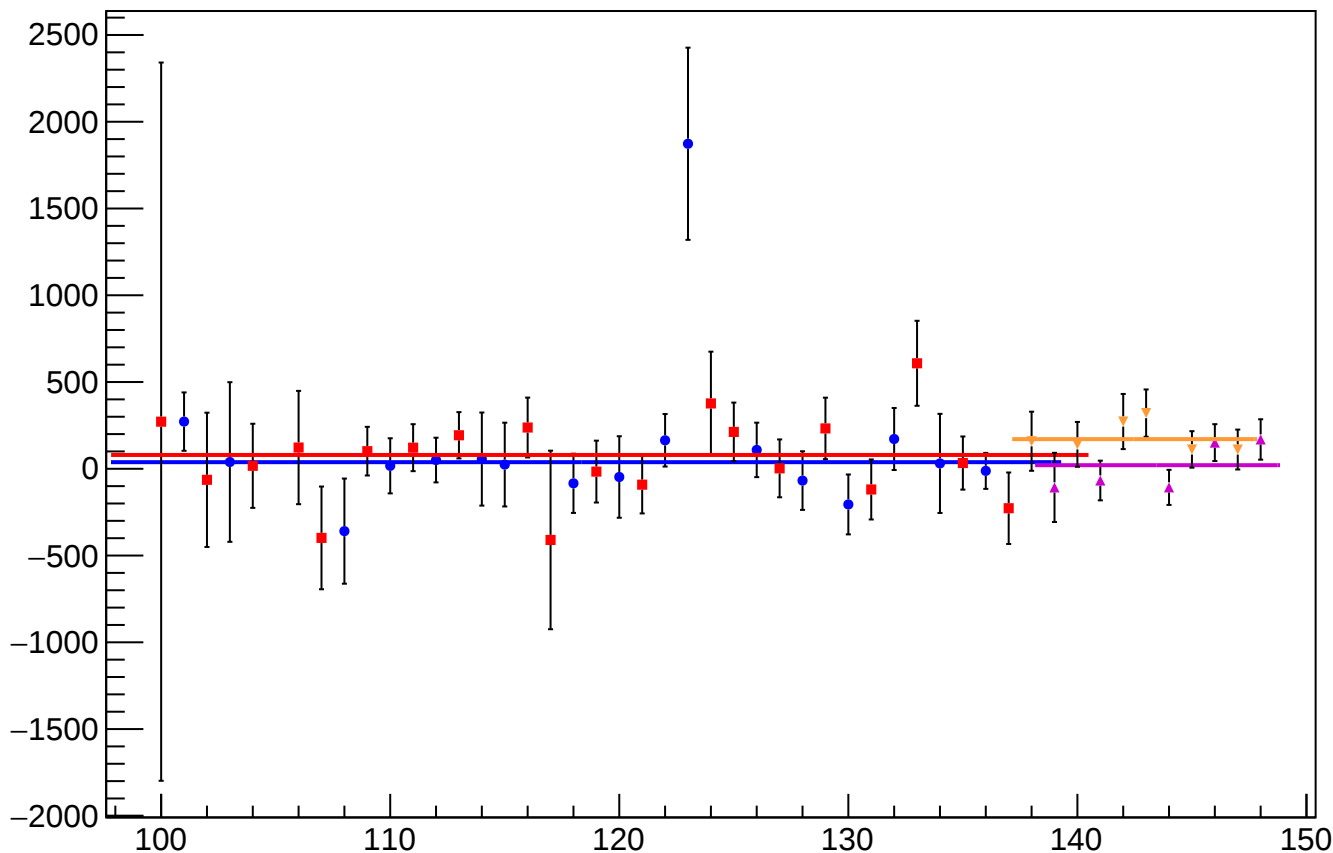
Left In: 2163.051+/-0.768 χ^2/NDF : 126929.0/4

2045.300+/-0.718 χ^2/NDF : 153209.9/5

2100.158+/-0.525 χ^2/NDF : 292679.1/10

2163.051+/-0.768 χ^2/NDF : 126929.0/4

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 $\pm$ 43.548 χ^2/NDF : 19.4/16

Left Out: 170.821 $\pm$ 53.159 χ^2/NDF : 2.3/5

Right Out: 79.665 $\pm$ 42.948 χ^2/NDF : 17.6/19

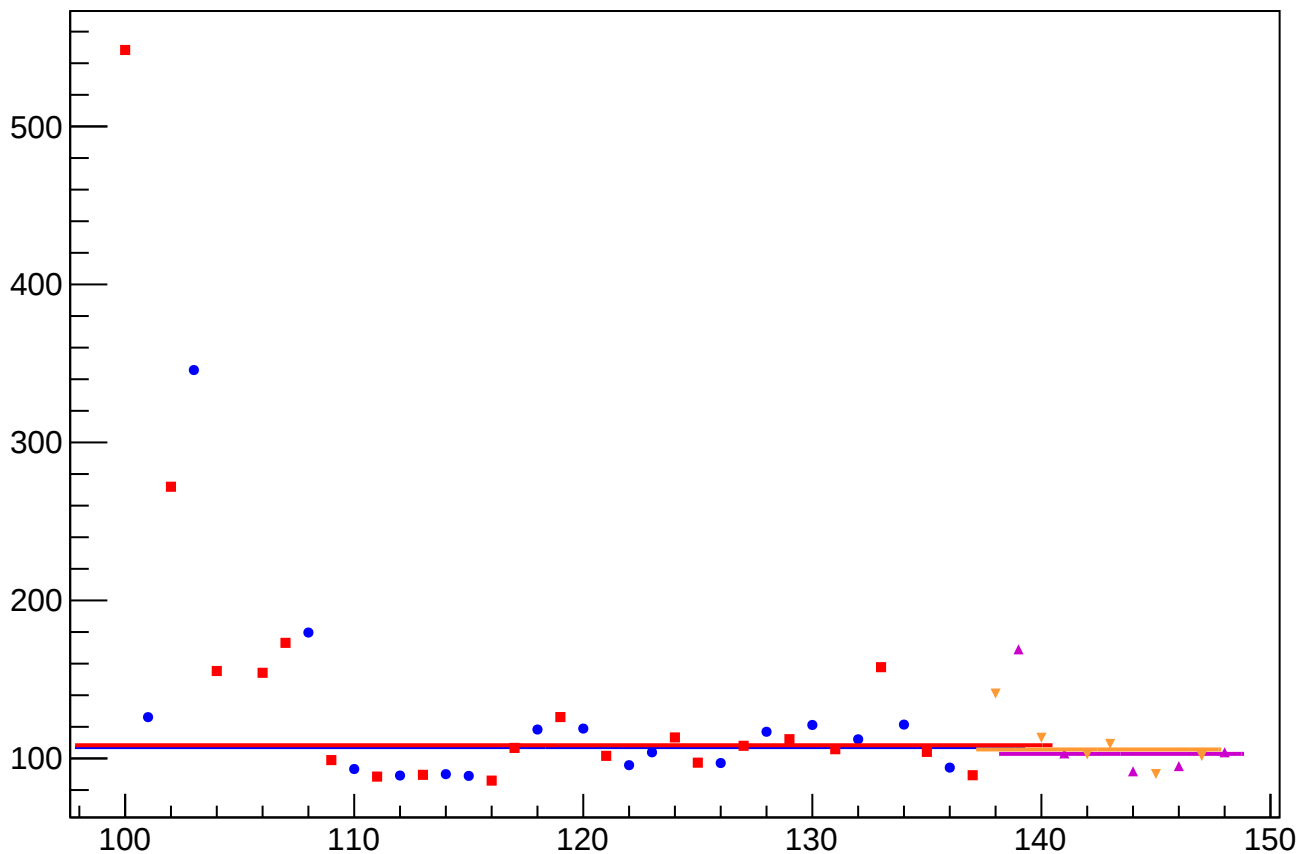
Left In: 20.734 $\pm$ 52.573 χ^2/NDF : 5.7/4

91.415 $\pm$ 33.687 χ^2/NDF : 25.4/22

73.521 $\pm$ 23.668 χ^2/NDF : 50.1/47

56.078 $\pm$ 33.260 χ^2/NDF : 24.1/24

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 105.690+/-0.038 χ^2/NDF : 141239.8/5

Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

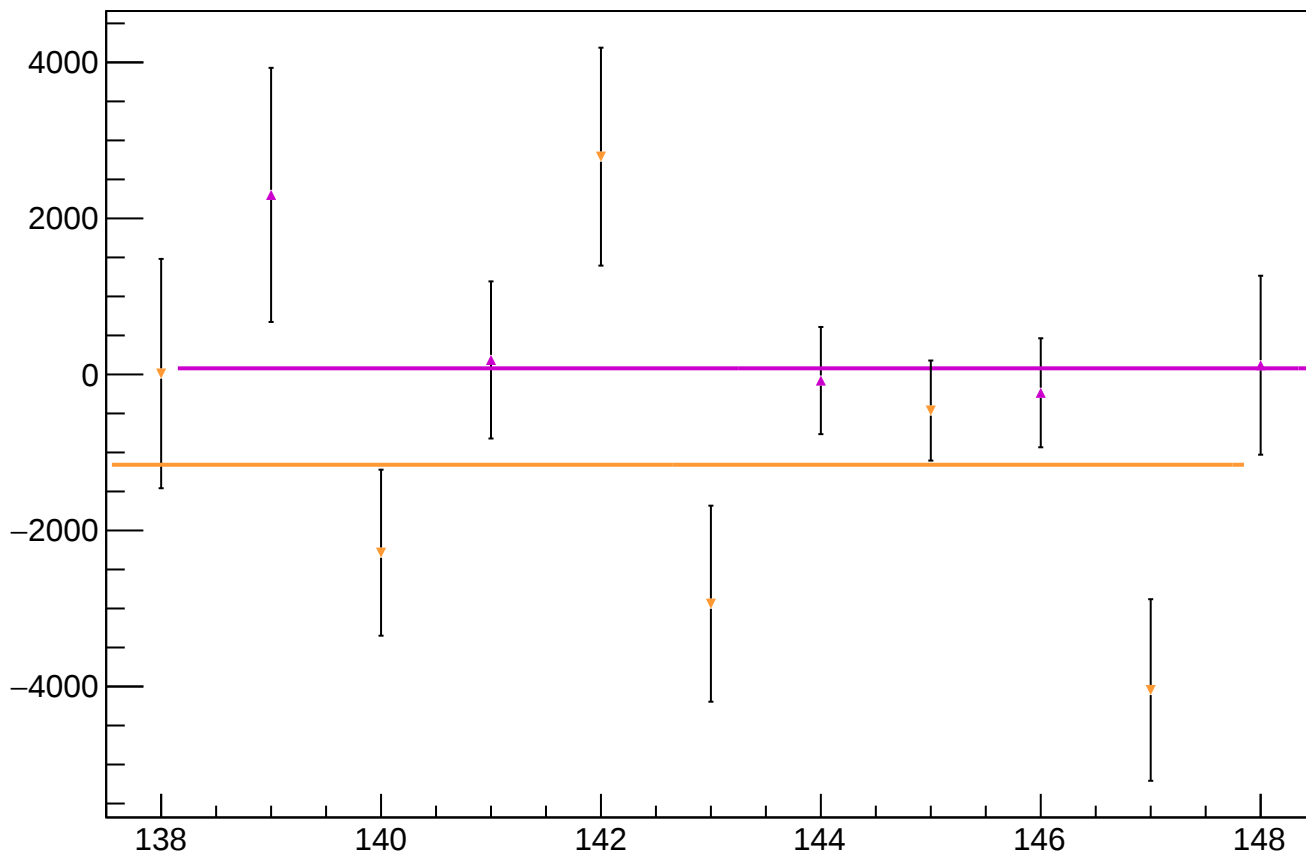
Left In: 102.892+/-0.037 χ^2/NDF : 255121.0/4

106.587+/-0.024 χ^2/NDF : 985306.5/22

106.373+/-0.017 χ^2/NDF : 2170809.3/47

106.164+/-0.024 χ^2/NDF : 1185343.0/24

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1157.575+/-420.217 χ^2/NDF : 19.1/5

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

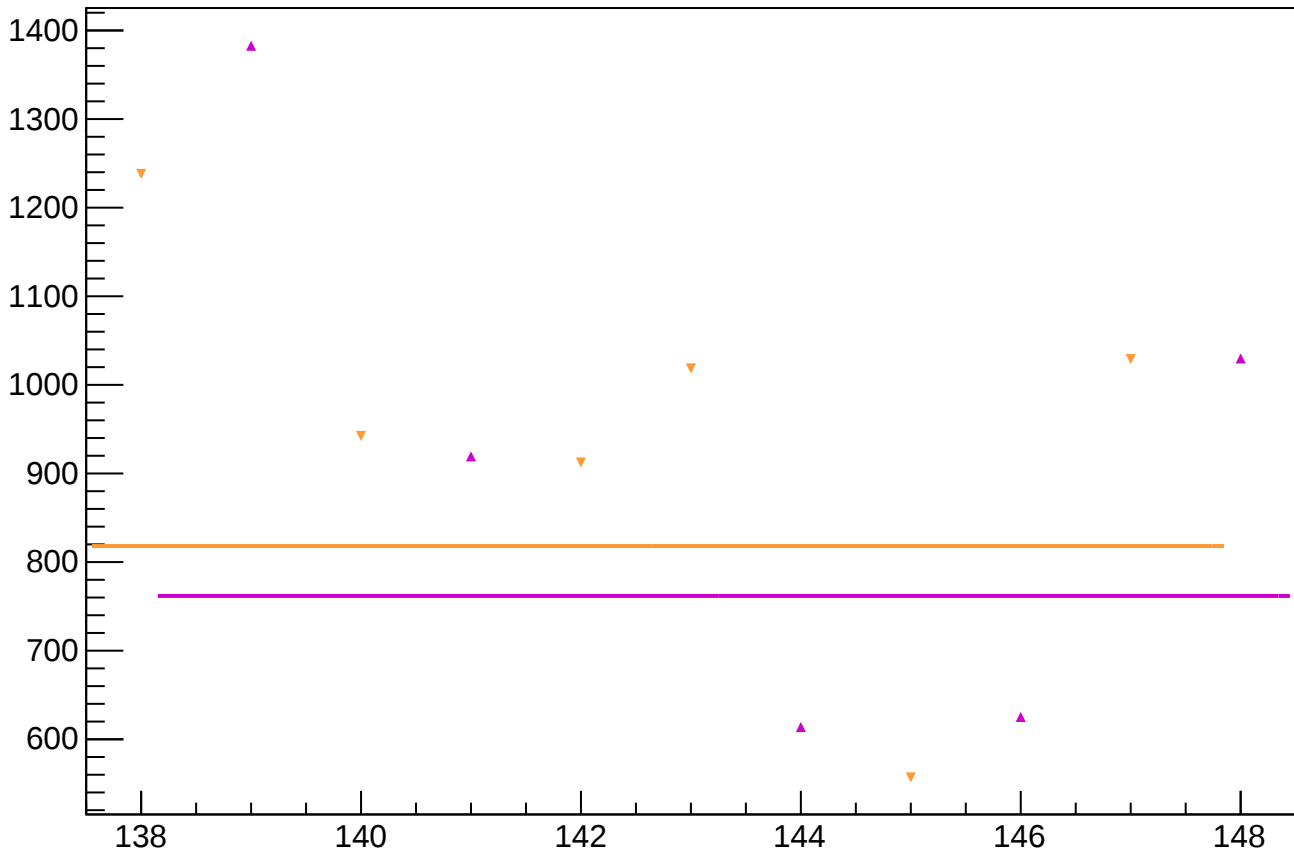
Left In: 78.493+/-398.692 χ^2/NDF : 2.1/4

-1157.575+/-420.217 χ^2/NDF : 19.1/5

-507.073+/-289.228 χ^2/NDF : 25.8/10

78.493+/-398.692 χ^2/NDF : 2.1/4

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 818.106+/-0.297 χ^2/NDF : 648030.4/5

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

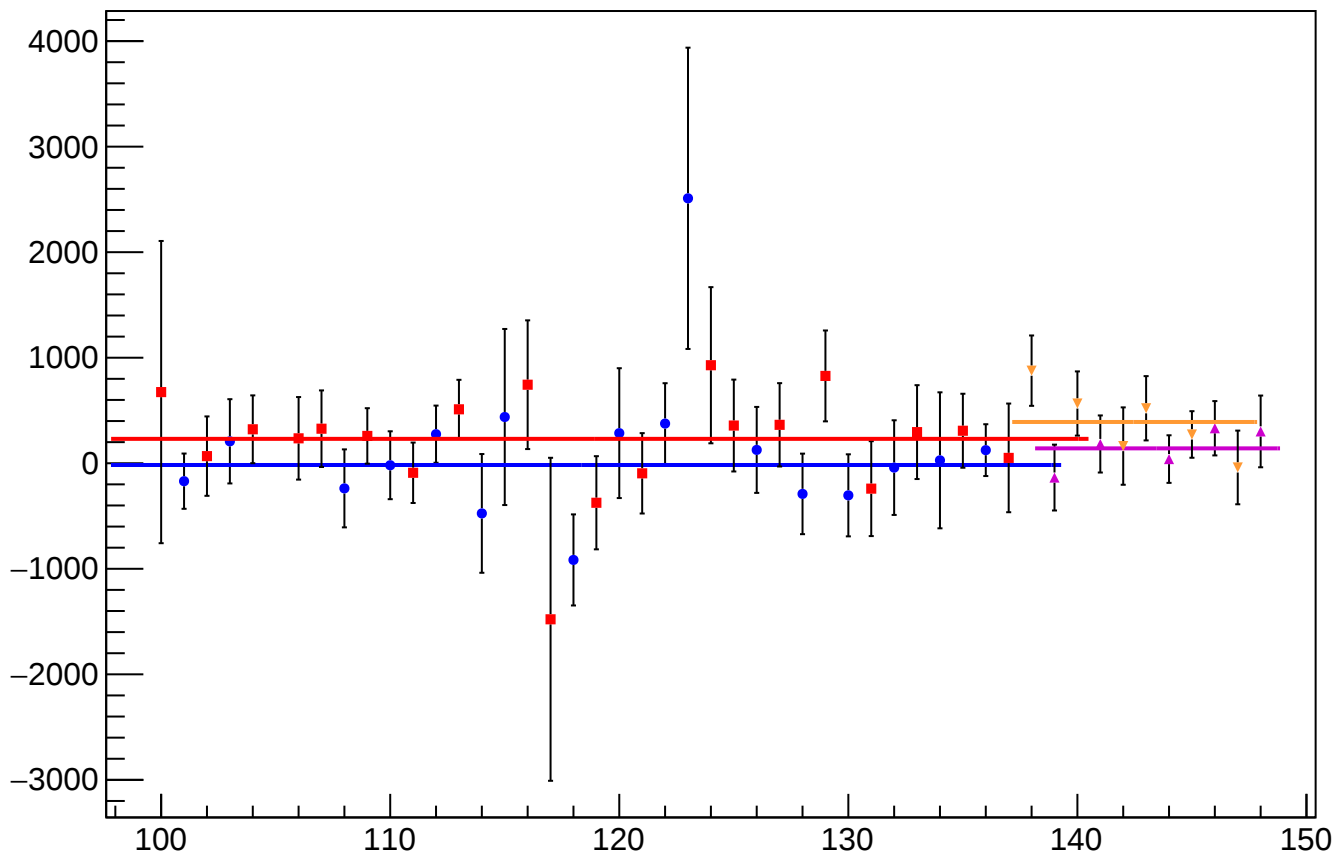
Left In: 761.794+/-0.282 χ^2/NDF : 618120.4/4

818.106+/-0.297 χ^2/NDF : 648030.4/5

788.471+/-0.205 χ^2/NDF : 1285051.9/10

761.794+/-0.282 χ^2/NDF : 618120.4/4

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 391.132 ± 122.365 $\chi^2/\text{NDF}: 4.8/5$

Right Out: 231.209 ± 88.787 $\chi^2/\text{NDF}: 11.6/19$

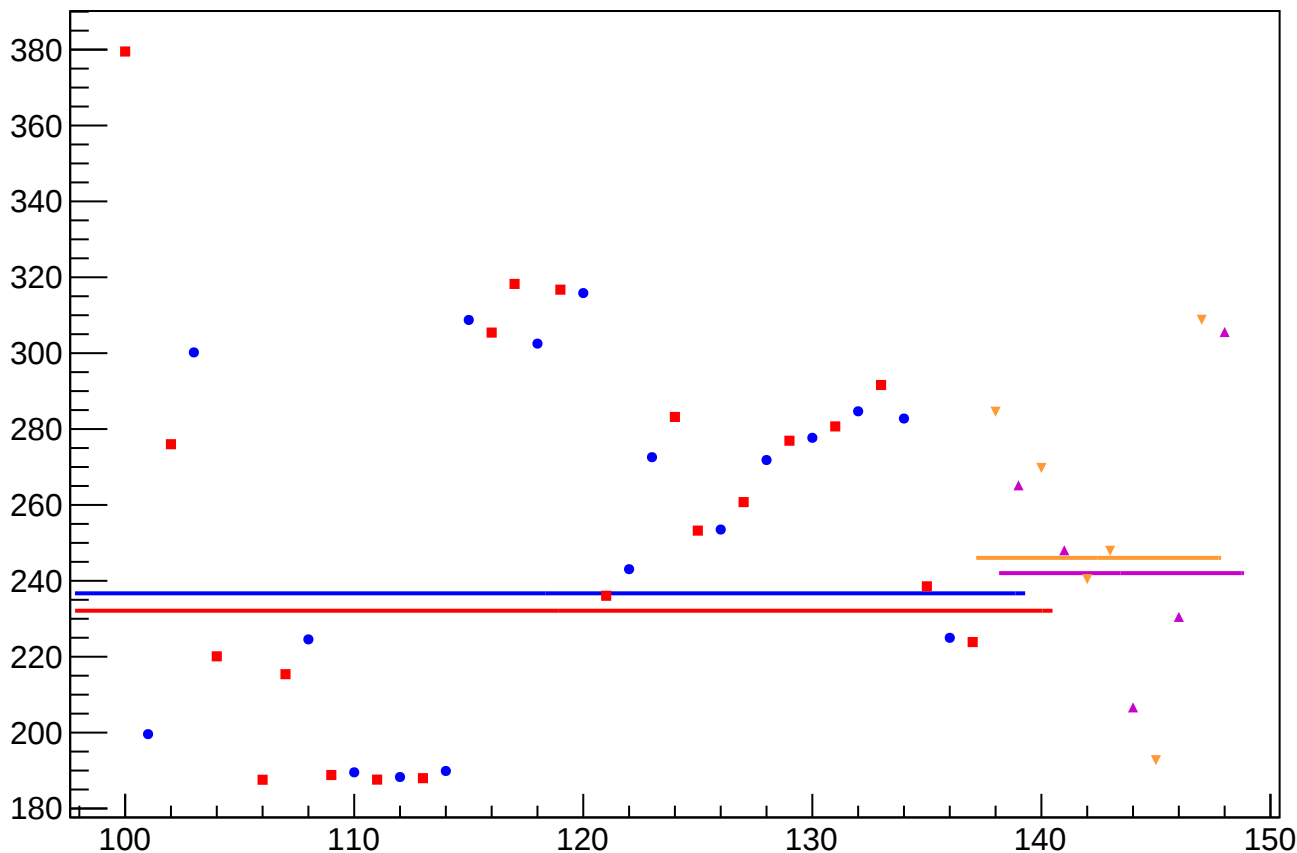
Left In: 141.043 ± 121.829 $\chi^2/\text{NDF}: 1.8/4$

133.354 ± 74.186 $\chi^2/\text{NDF}: 25.3/22$

167.752 ± 51.576 $\chi^2/\text{NDF}: 39.4/47$

199.931 ± 71.754 $\chi^2/\text{NDF}: 13.7/24$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706 +/- 0.066 χ^2/NDF : 390344.9/16

Left Out: 246.059 +/- 0.087 χ^2/NDF : 220869.0/5

Right Out: 232.119 +/- 0.063 χ^2/NDF : 449633.1/19

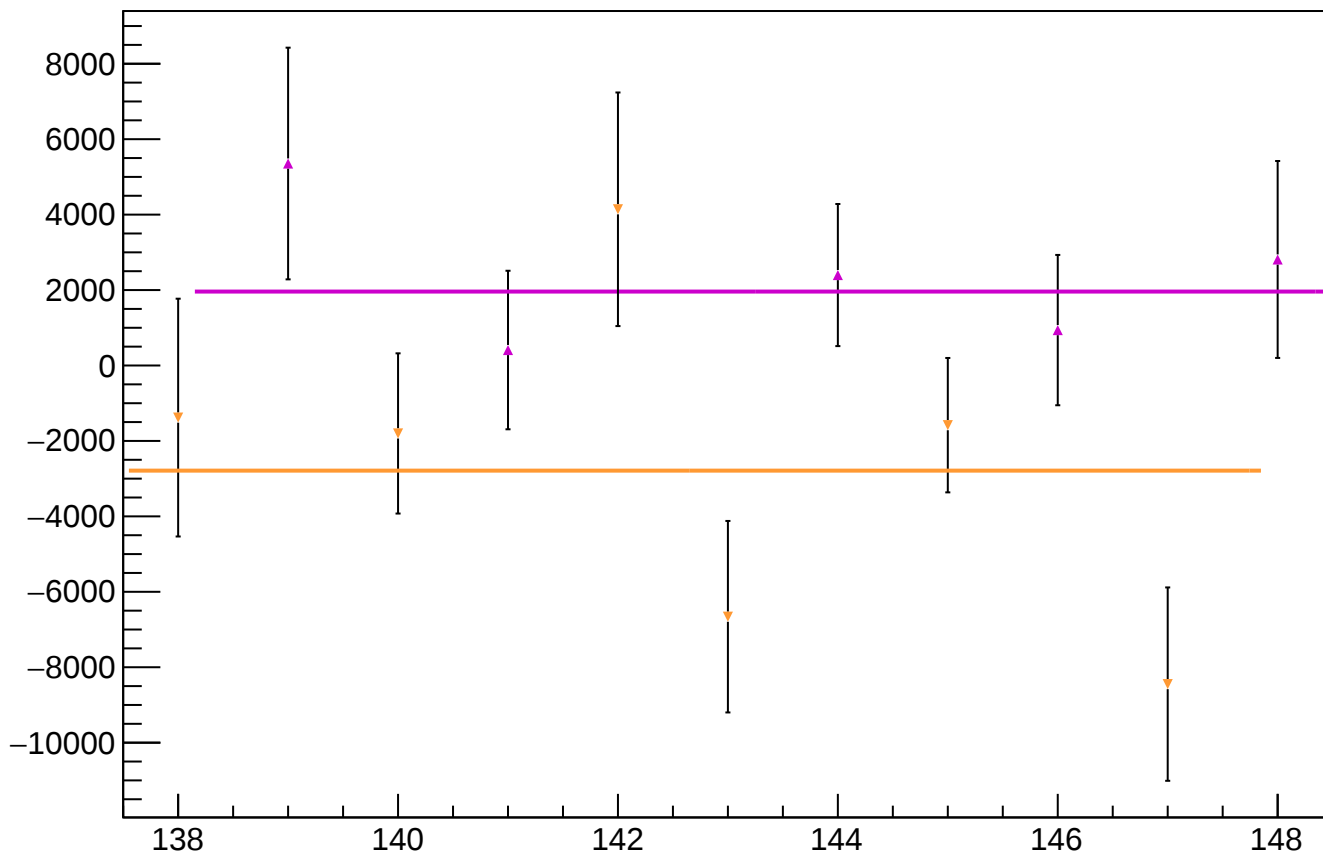
Left In: 242.030 +/- 0.086 χ^2/NDF : 135199.0/4

240.144 +/- 0.052 χ^2/NDF : 618602.7/22

237.774 +/- 0.036 χ^2/NDF : 1216029.6/47

235.557 +/- 0.051 χ^2/NDF : 593477.4/24

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2787.280+/-976.346 χ^2/NDF :13.1/5

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

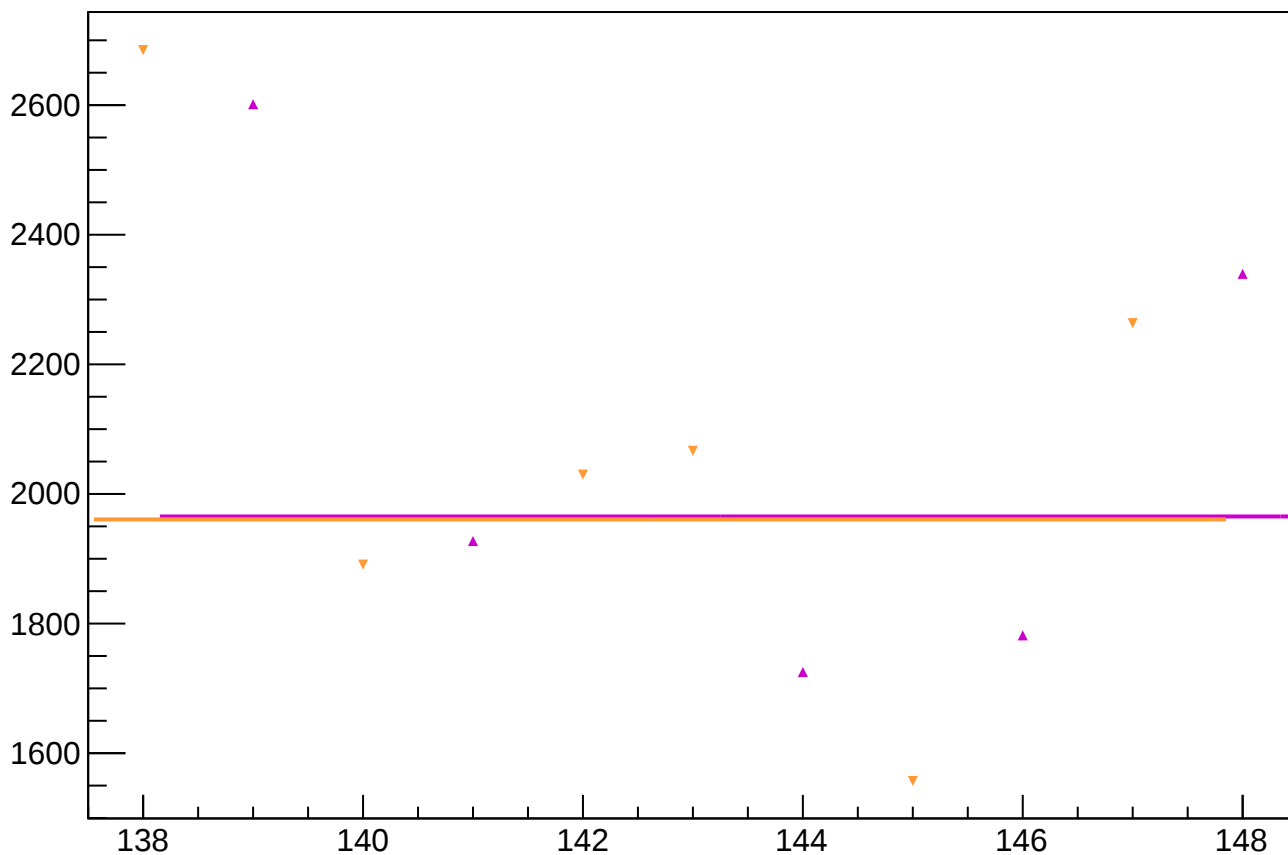
Left In: 1960.043+/-993.669 χ^2/NDF :2.2/4

-2787.280+/-976.346 χ^2/NDF : 13.1/5

-455.359+/-696.425 χ^2/NDF : 26.9/10

1960.043+/-993.669 χ^2/NDF : 2.2/4

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 1960.688+/-0.690 χ^2/NDF : 242720.8/5

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

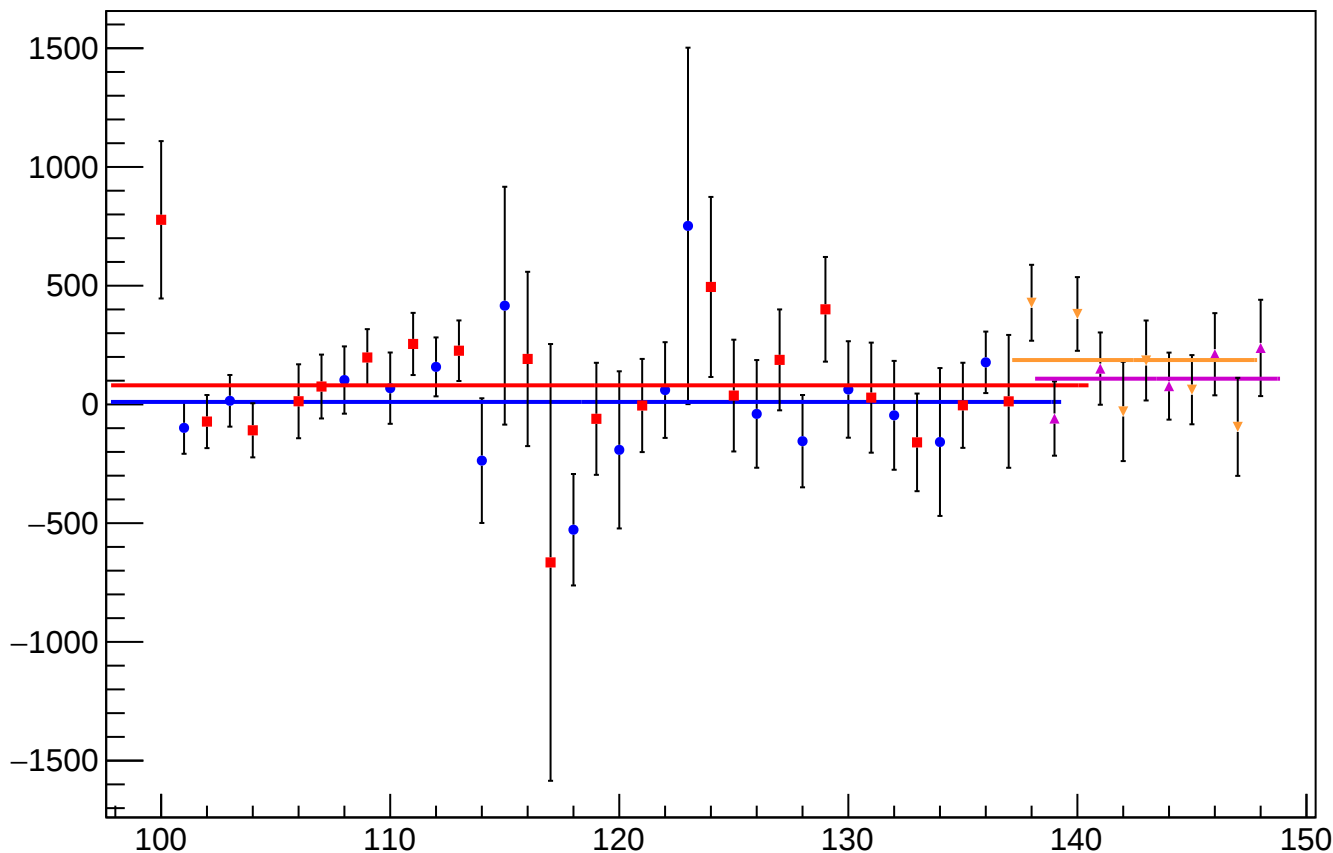
Left In: 1965.257+/-0.703 χ^2/NDF : 176979.0/4

1960.688+/-0.690 χ^2/NDF : 242720.8/5

1962.932+/-0.492 χ^2/NDF : 419721.3/10

1965.257+/-0.703 χ^2/NDF : 176979.0/4

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2/NDF : 14.1/16

Left Out: 186.905 $\pm$ 69.106 χ^2/NDF : 7.5/5

Right Out: 80.462 $\pm$ 38.950 χ^2/NDF : 19.9/19

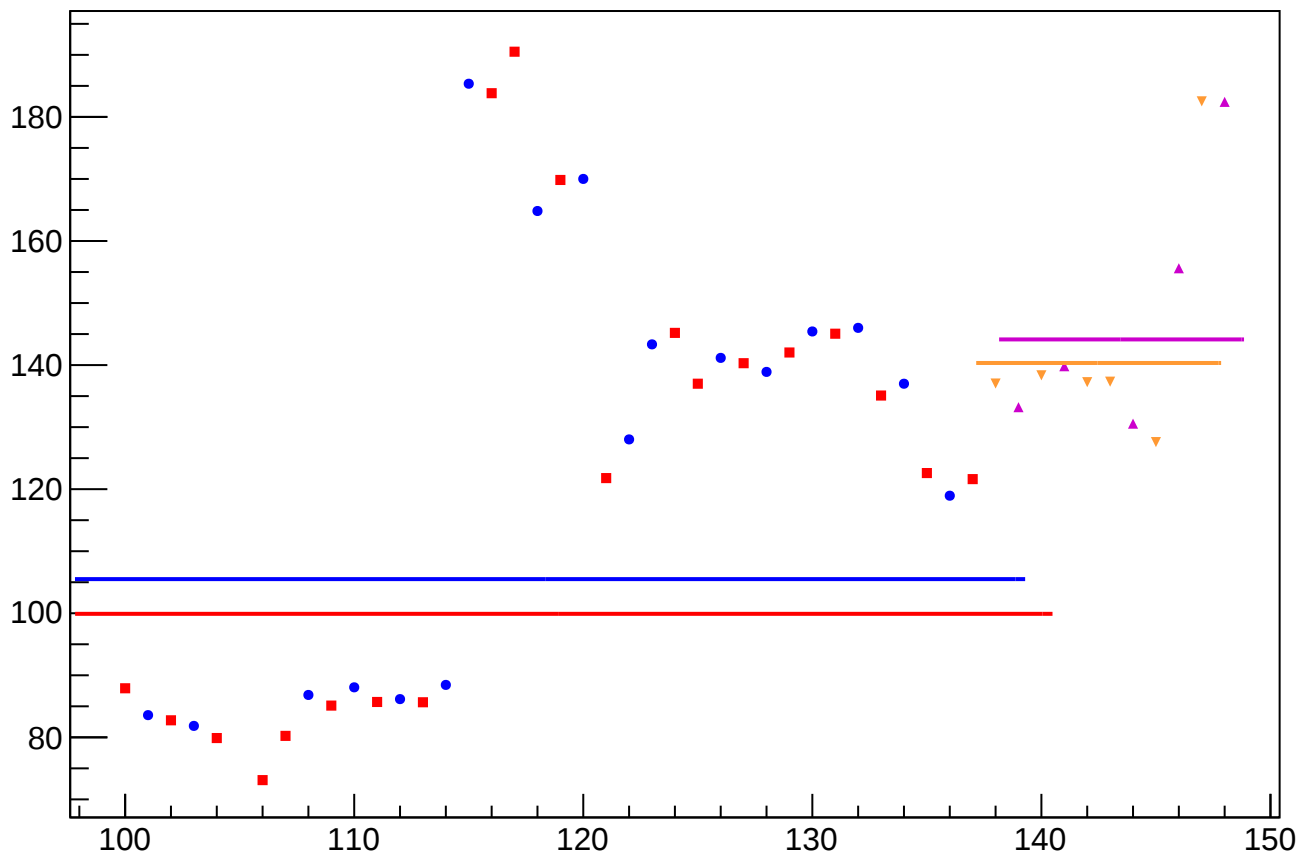
Left In: 108.364 $\pm$ 72.173 χ^2/NDF : 2.0/4

58.592 $\pm$ 36.074 χ^2/NDF : 26.3/22

73.393 $\pm$ 24.849 χ^2/NDF : 48.6/47

86.755 $\pm$ 34.277 χ^2/NDF : 22.0/24

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 140.340 $\pm$ 0.049 χ^2 /NDF: 101073.1/5

Right Out: 99.907 $\pm$ 0.028 χ^2 /NDF: 1019545.3/19

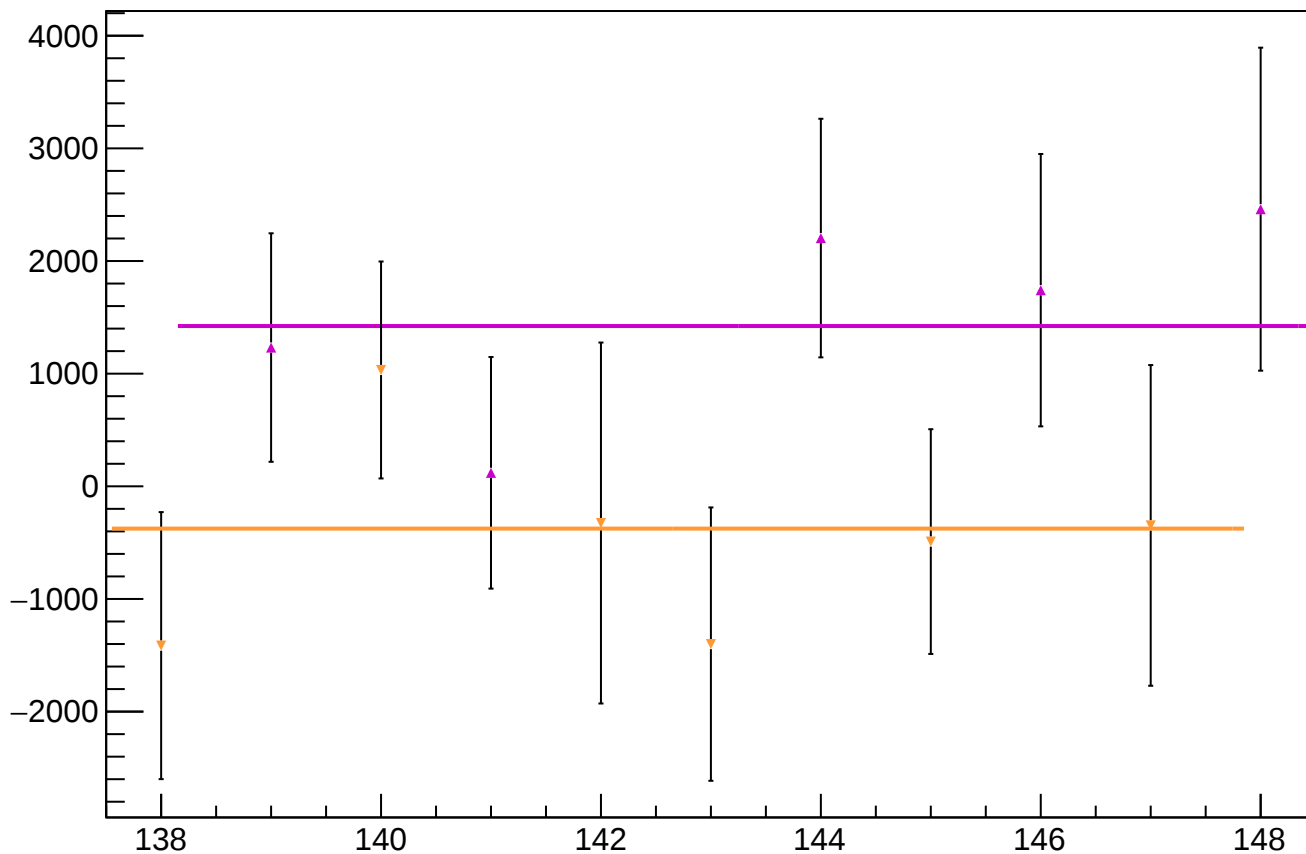
Left In: 144.136 $\pm$ 0.051 χ^2 /NDF: 109973.5/4

114.996 $\pm$ 0.026 χ^2 /NDF: 1339847.0/22

112.309 $\pm$ 0.018 χ^2 /NDF: 3072160.7/47

109.883 $\pm$ 0.024 χ^2 /NDF: 1711201.4/24

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -375.364+/-479.039 χ^2/NDF : 3.6/5

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

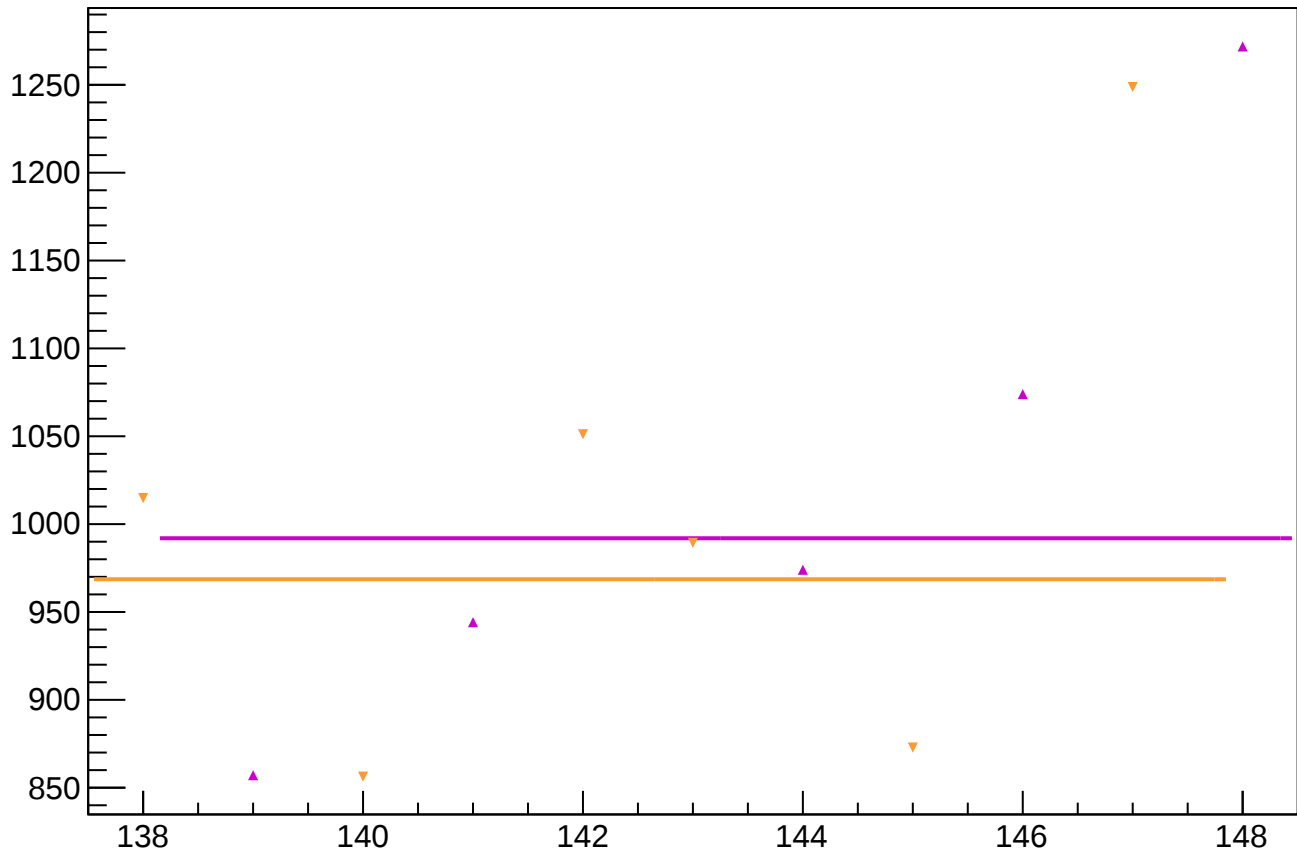
Left In: 1422.863+/-501.214 χ^2/NDF : 2.8/4

-375.364+/-479.039 χ^2/NDF : 3.6/5

483.091+/-346.306 χ^2/NDF : 13.1/10

1422.863+/-501.214 χ^2/NDF : 2.8/4

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 968.622+/-0.339 χ^2/NDF :132011.0/5

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

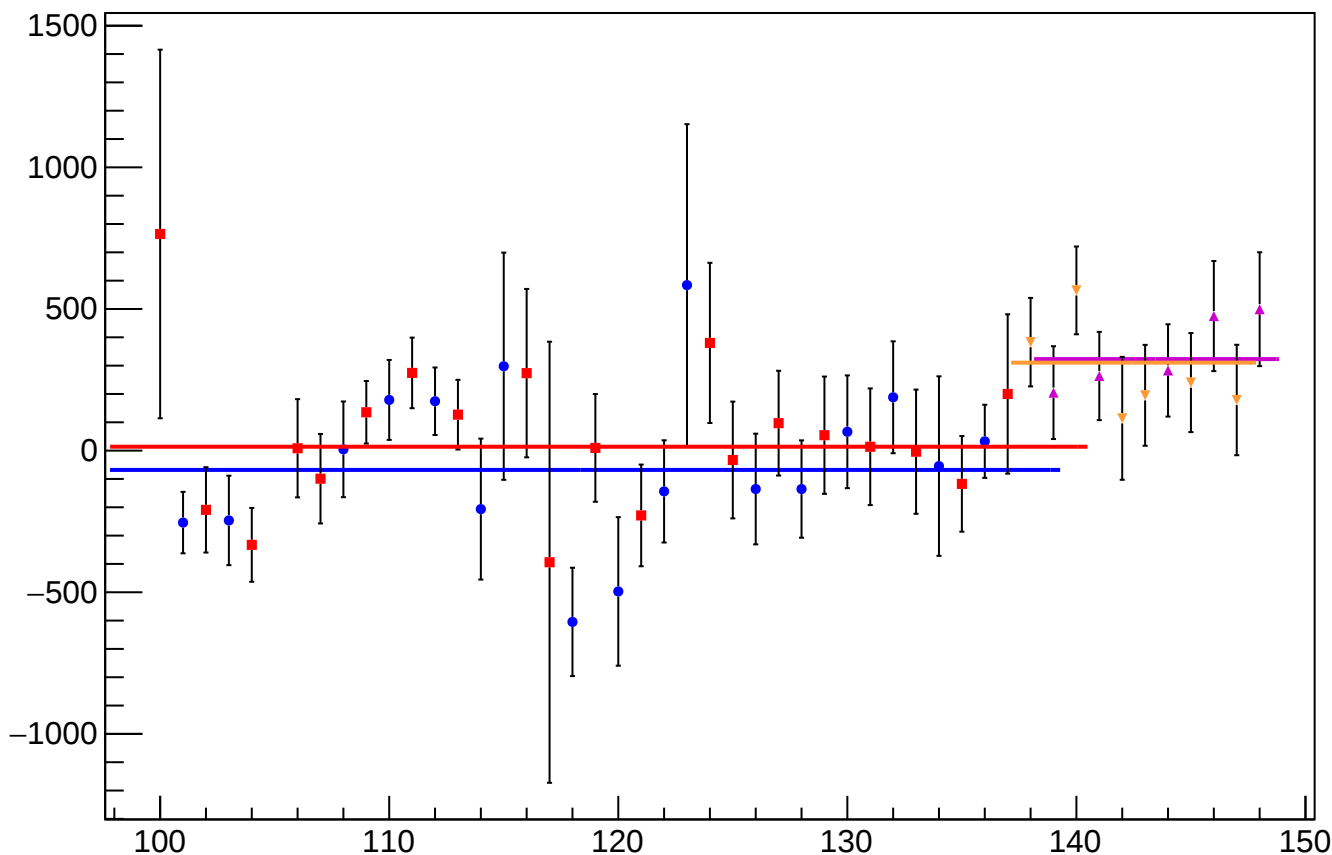
Left In: 991.967+/-0.354 χ^2/NDF :125670.1/4

968.622+/-0.339 χ^2/NDF : 132011.0/5

979.767+/-0.245 χ^2/NDF : 259948.5/10

991.967+/-0.354 χ^2/NDF : 125670.1/4

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 310.578 ± 71.713 χ^2/NDF : 4.8/5

Right Out: 13.752 ± 39.416 χ^2/NDF : 23.4/19

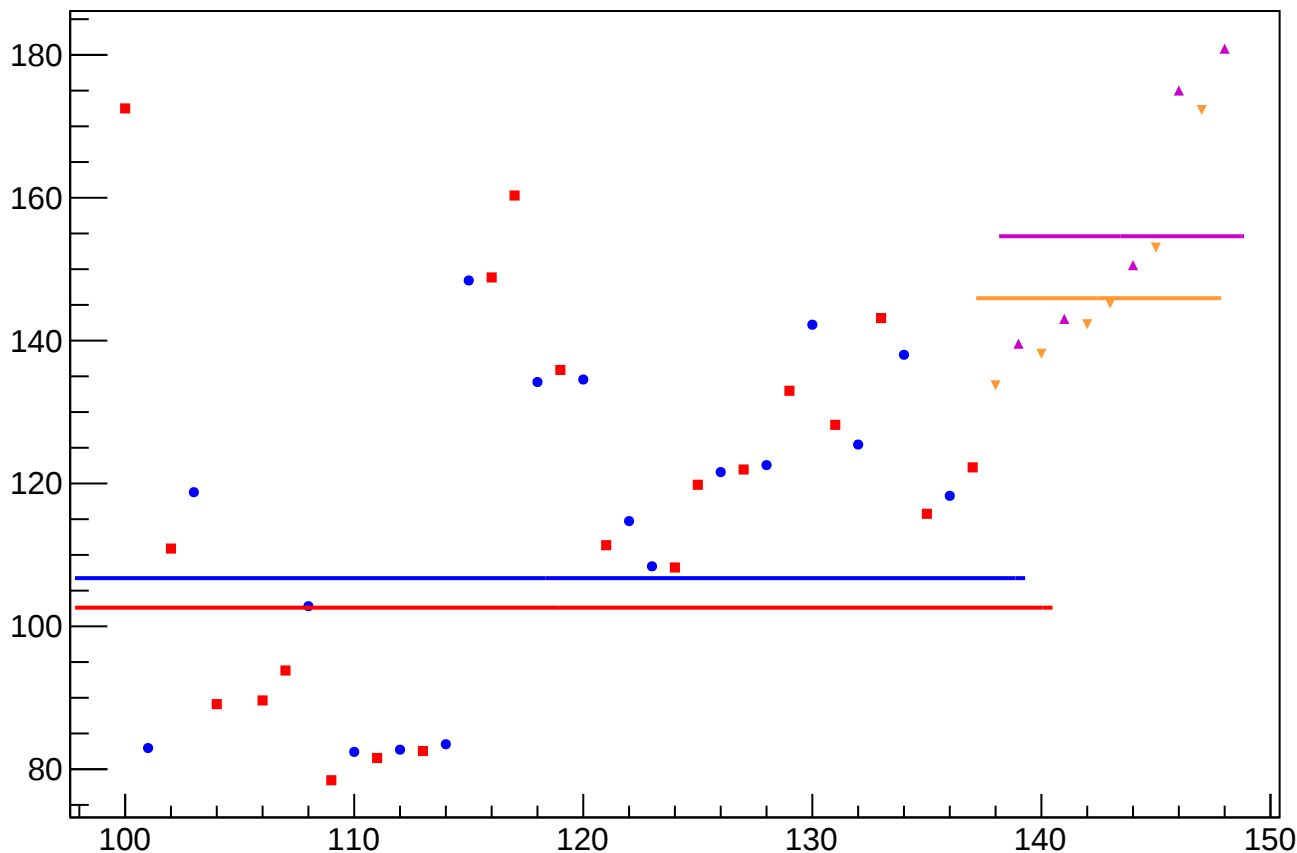
Left In: 323.088 ± 77.304 χ^2/NDF : 2.1/4

29.518 ± 36.412 χ^2/NDF : 53.3/22

54.420 ± 25.276 χ^2/NDF : 92.4/47

77.579 ± 35.115 χ^2/NDF : 38.2/24

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 145.940 $\pm$ 0.051 χ^2 /NDF: 57649.6/5

Right Out: 102.615 $\pm$ 0.028 χ^2 /NDF: 600357.6/19

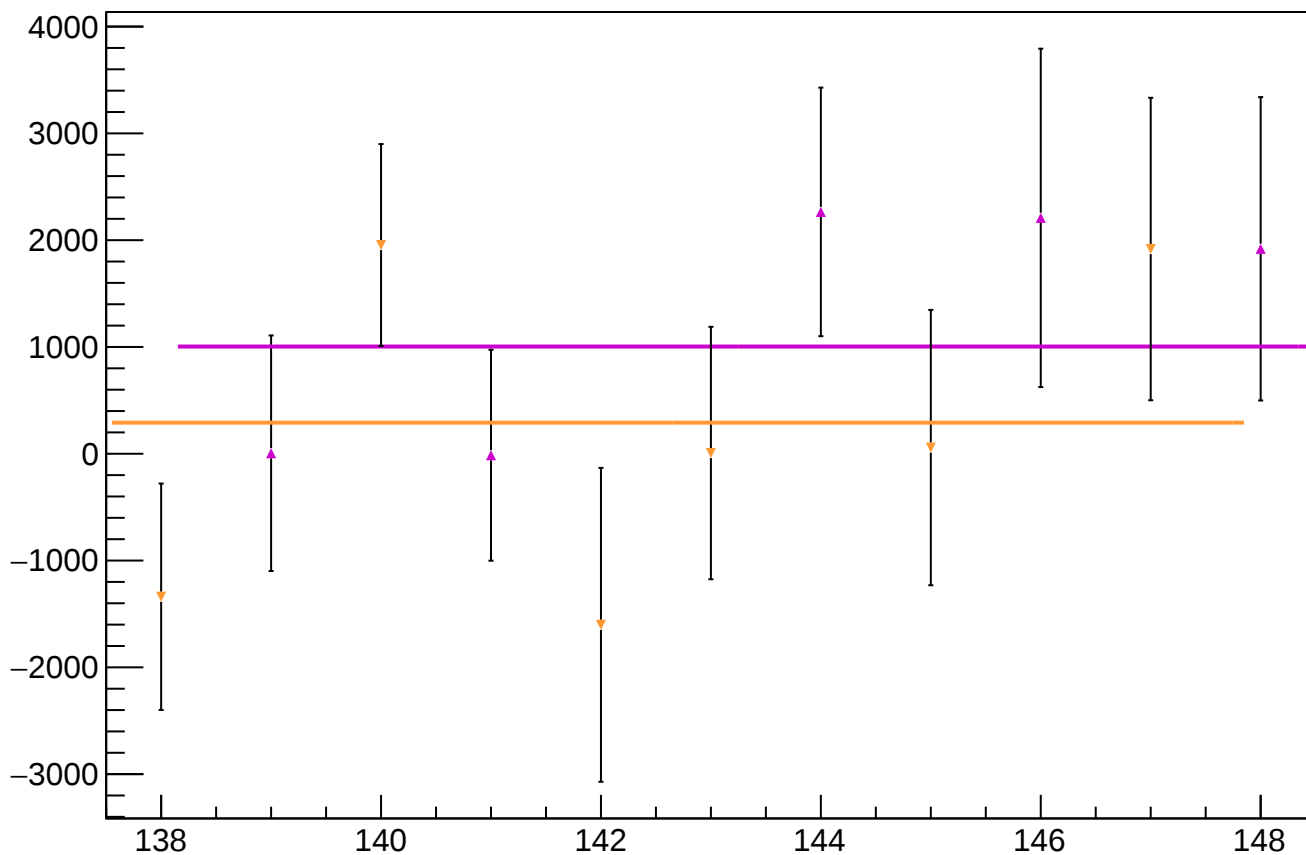
Left In: 154.612 $\pm$ 0.055 χ^2 /NDF: 85277.8/4

116.853 $\pm$ 0.026 χ^2 /NDF: 1002706.1/22

115.035 $\pm$ 0.018 χ^2 /NDF: 2416112.6/47

113.344 $\pm$ 0.025 χ^2 /NDF: 1403783.7/24

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 291.488+/-482.943 χ^2/NDF : 8.5/5

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

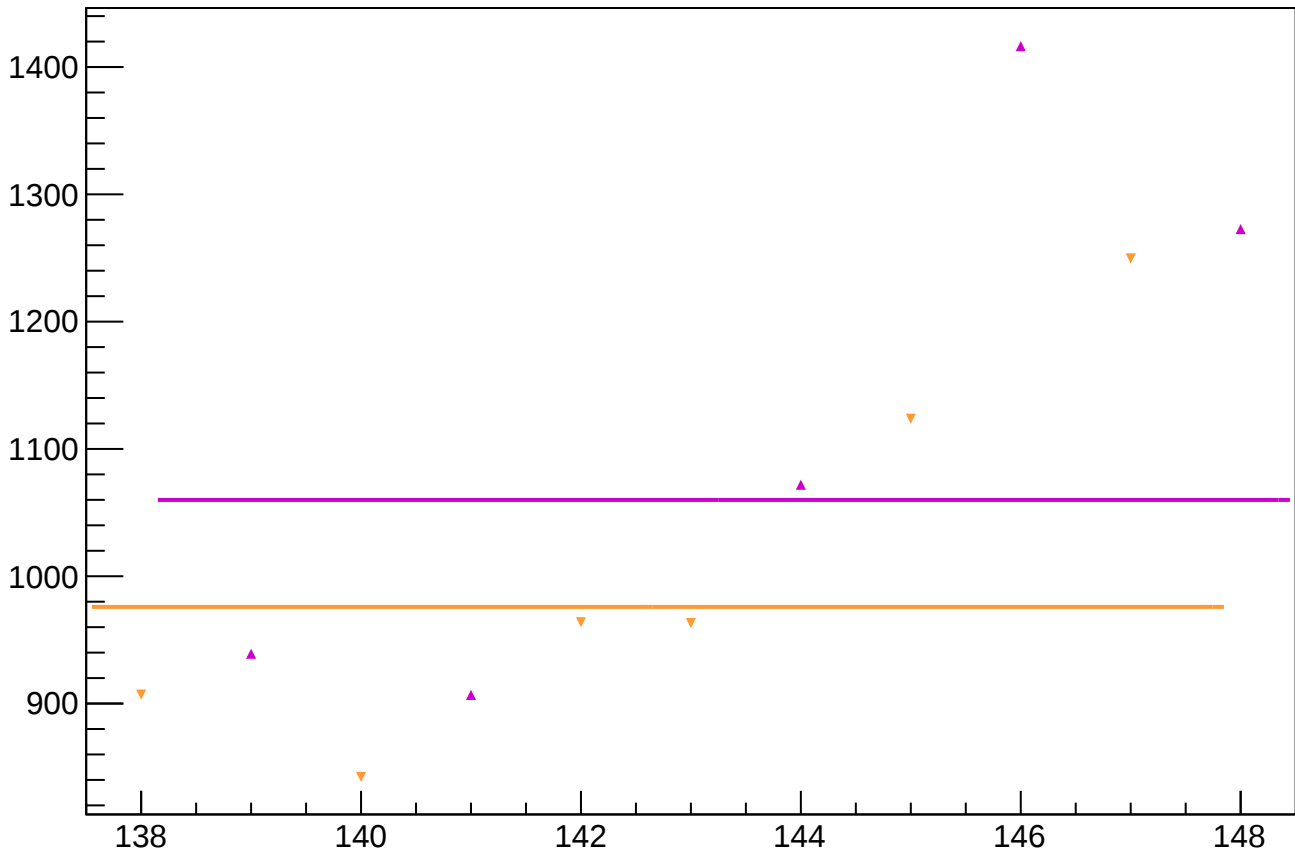
Left In: 1003.992+/-536.136 χ^2/NDF : 4.0/4

291.488+/-482.943 χ^2/NDF : 8.5/5

610.650+/-358.829 χ^2/NDF : 13.6/10

1003.992+/-536.136 χ^2/NDF : 4.0/4

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 975.925+/-0.341 χ^2/NDF : 149772.0/5

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

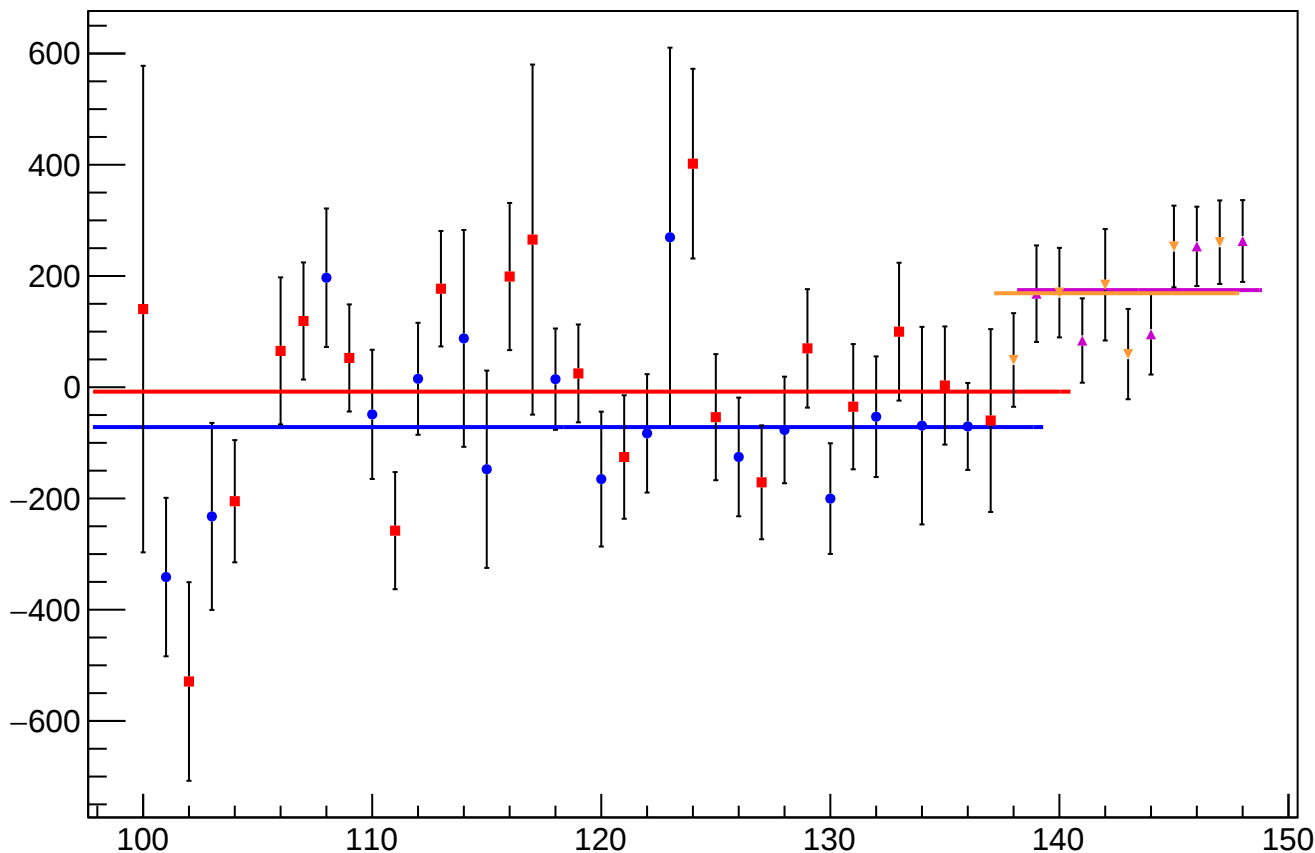
Left In: 1059.954+/-0.379 χ^2/NDF : 218423.6/4

975.925+/-0.341 χ^2/NDF : 149772.0/5

1013.565+/-0.254 χ^2/NDF : 395318.0/10

1059.954+/-0.379 χ^2/NDF : 218423.6/4

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 169.016 ± 33.158 $\chi^2/\text{NDF}: 6.7/5$

Right Out: -7.933 ± 26.719 $\chi^2/\text{NDF}: 37.2/19$

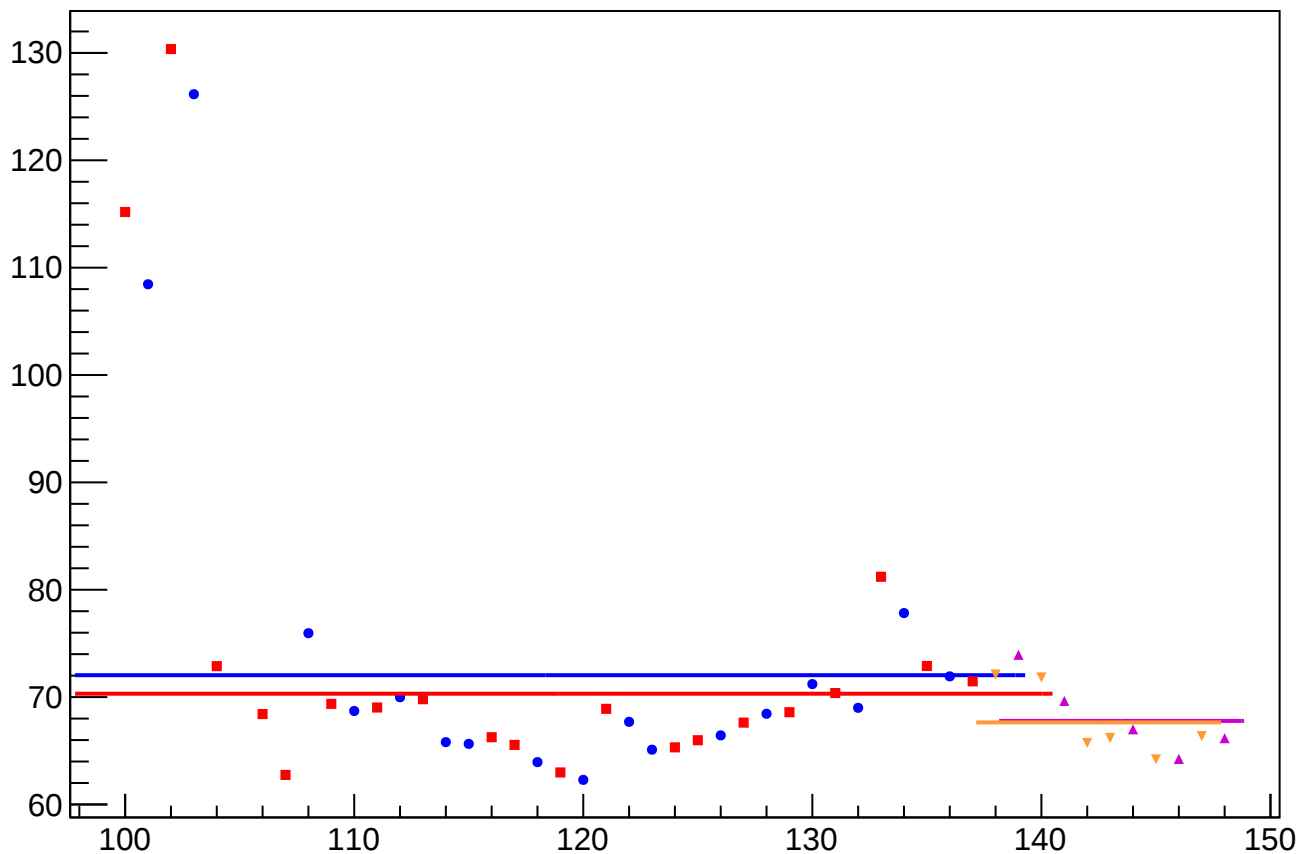
Left In: 174.626 ± 33.738 $\chi^2/\text{NDF}: 5.3/4$

30.007 ± 21.551 $\chi^2/\text{NDF}: 52.4/22$

46.683 ± 15.021 $\chi^2/\text{NDF}: 114.0/47$

62.435 ± 20.946 $\chi^2/\text{NDF}: 60.5/24$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 +/- 0.020 χ^2/NDF : 391971.7/16

Left Out: 67.642 +/- 0.023 χ^2/NDF : 17364.6/5

Right Out: 70.316 +/- 0.019 χ^2/NDF : 299468.0/19

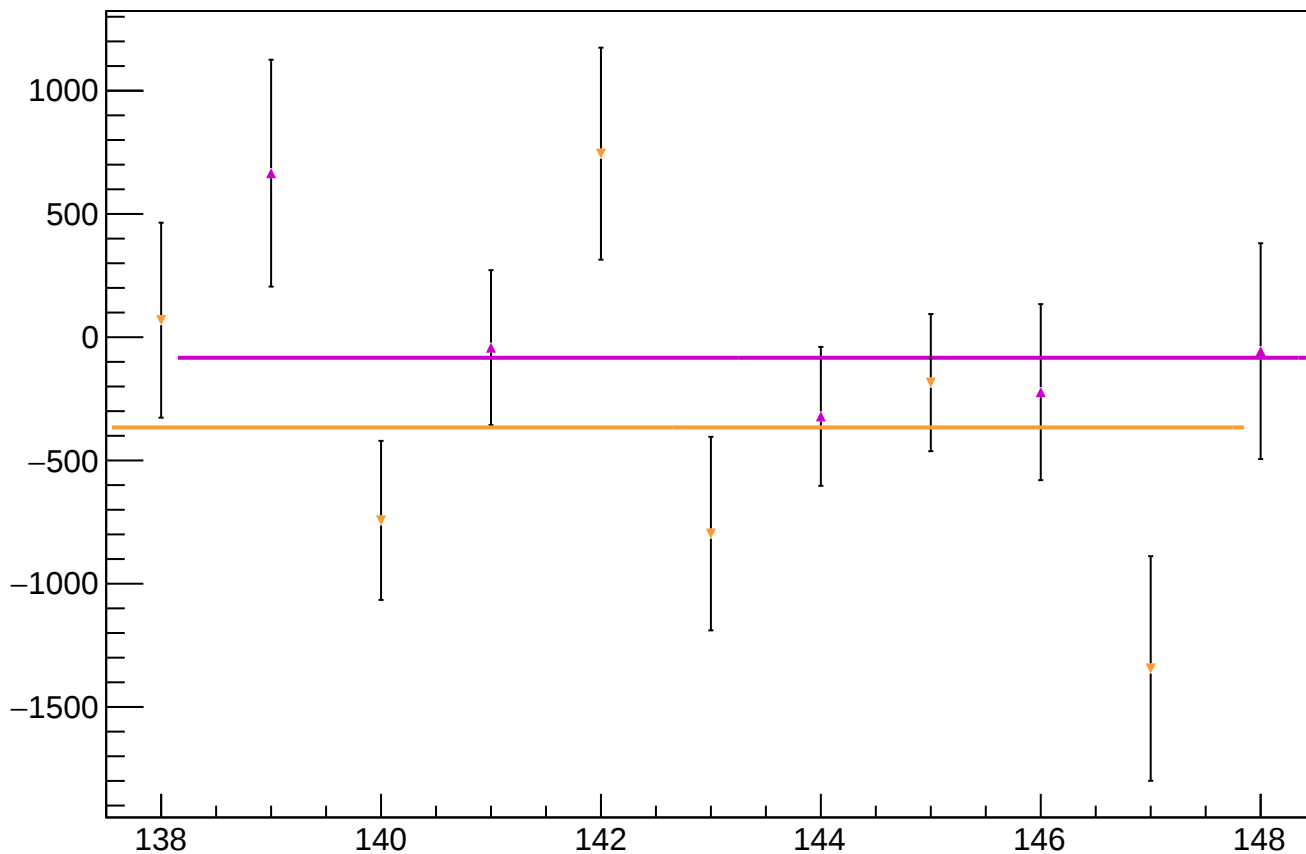
Left In: 67.782 +/- 0.024 χ^2/NDF : 17379.3/4

70.184 +/- 0.015 χ^2/NDF : 429677.0/22

69.750 +/- 0.011 χ^2/NDF : 755035.8/47

69.340 +/- 0.015 χ^2/NDF : 323781.4/24

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -365.912+/-148.022 χ^2/NDF :15.5/5

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

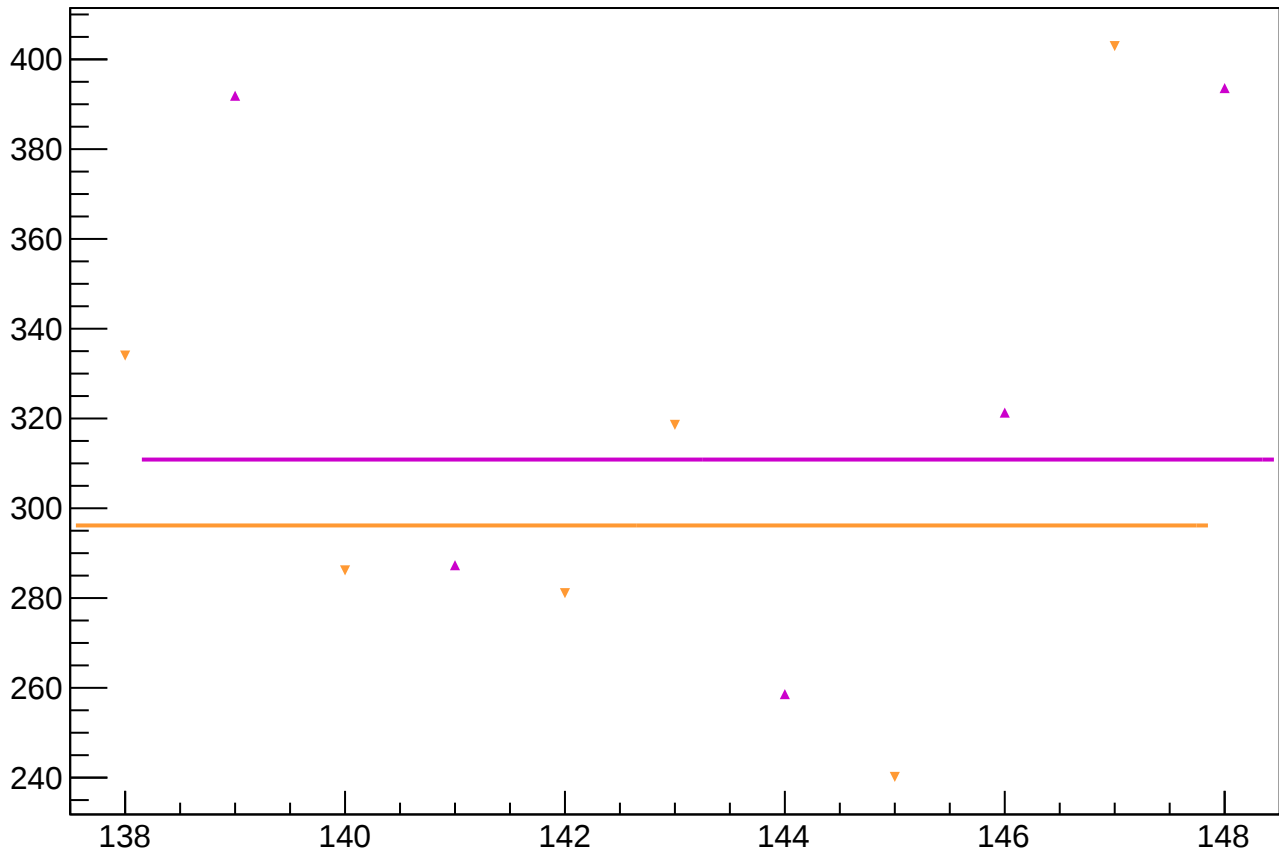
Left In: -83.395+/-157.129 χ^2/NDF :3.5/4

-365.912+/-148.022 χ^2/NDF : 15.5/5

-233.077+/-107.743 χ^2/NDF : 20.7/10

-83.395+/-157.129 χ^2/NDF : 3.5/4

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 296.173+/-0.105 χ^2/NDF : 220161.1/5

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

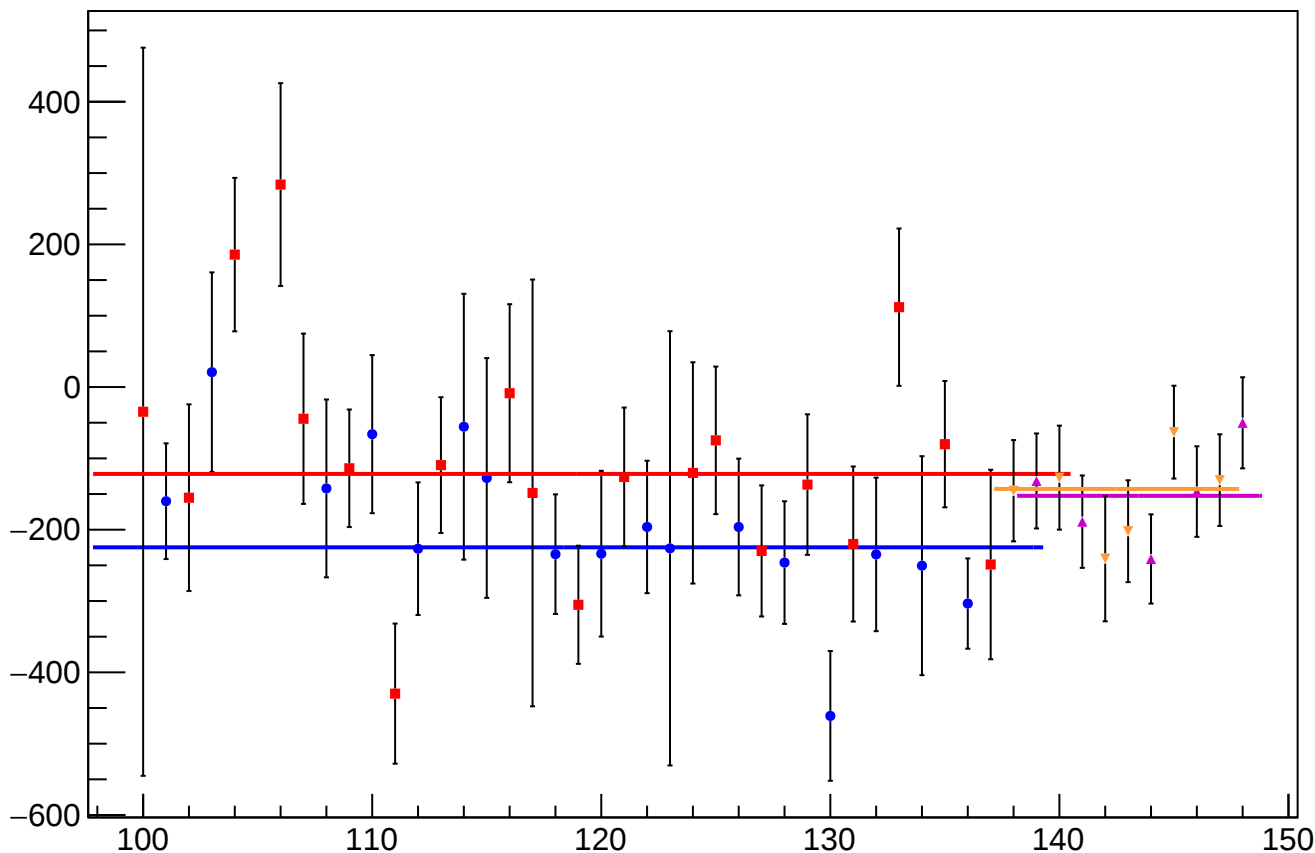
Left In: 310.853+/-0.111 χ^2/NDF : 215229.8/4

296.173+/-0.105 χ^2/NDF : 220161.1/5

303.075+/-0.076 χ^2/NDF : 444638.9/10

310.853+/-0.111 χ^2/NDF : 215229.8/4

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -142.859 ± 28.988 χ^2/NDF : 3.5/5

Right Out: -121.814 ± 24.516 χ^2/NDF : 40.5/19

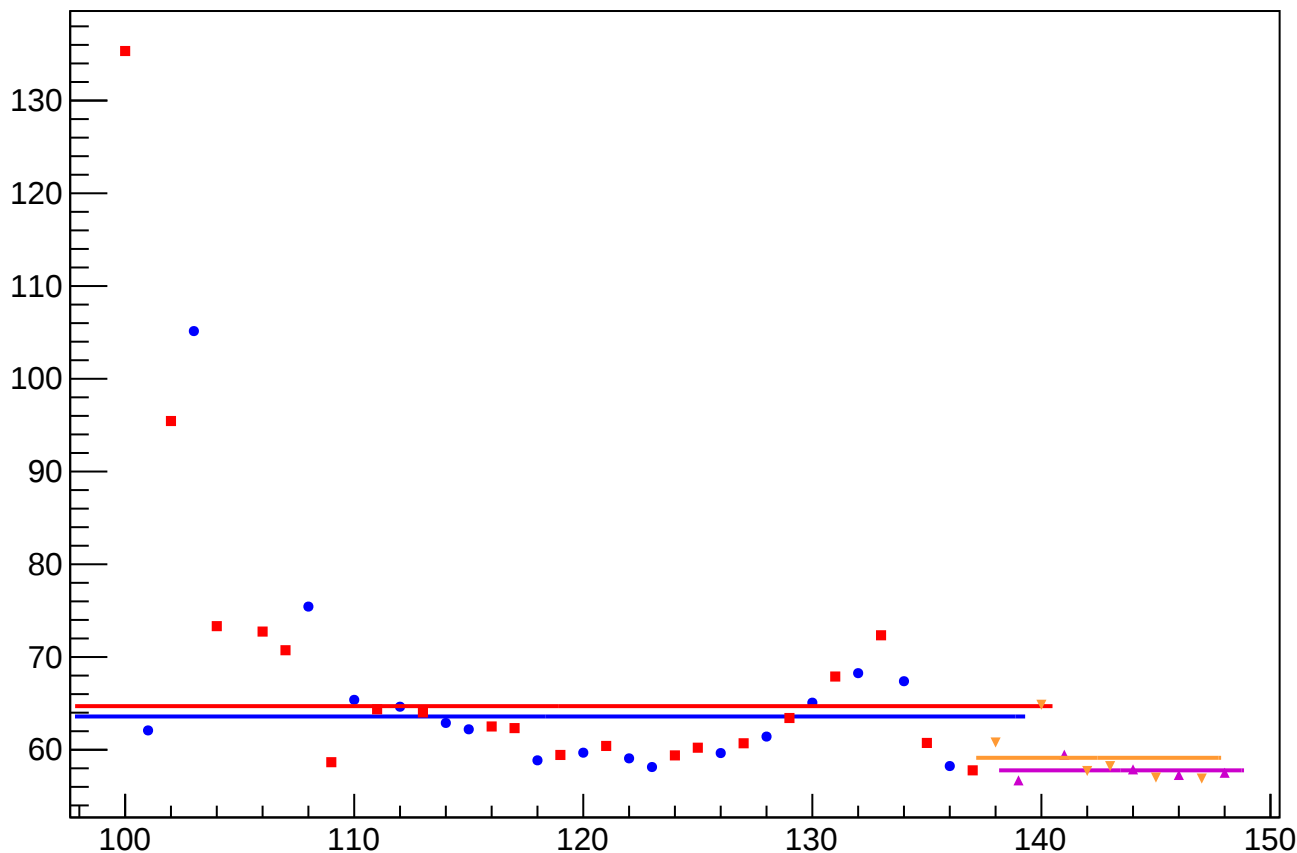
Left In: -152.484 ± 28.718 χ^2/NDF : 5.0/4

-189.999 ± 18.880 χ^2/NDF : 24.1/22

-162.027 ± 13.267 χ^2/NDF : 74.5/47

-134.743 ± 18.646 χ^2/NDF : 46.1/24

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 ± 0.018 χ^2/NDF : 234601.0/16

Left Out: 59.134 ± 0.020 χ^2/NDF : 18805.8/5

Right Out: 64.704 ± 0.017 χ^2/NDF : 227632.6/19

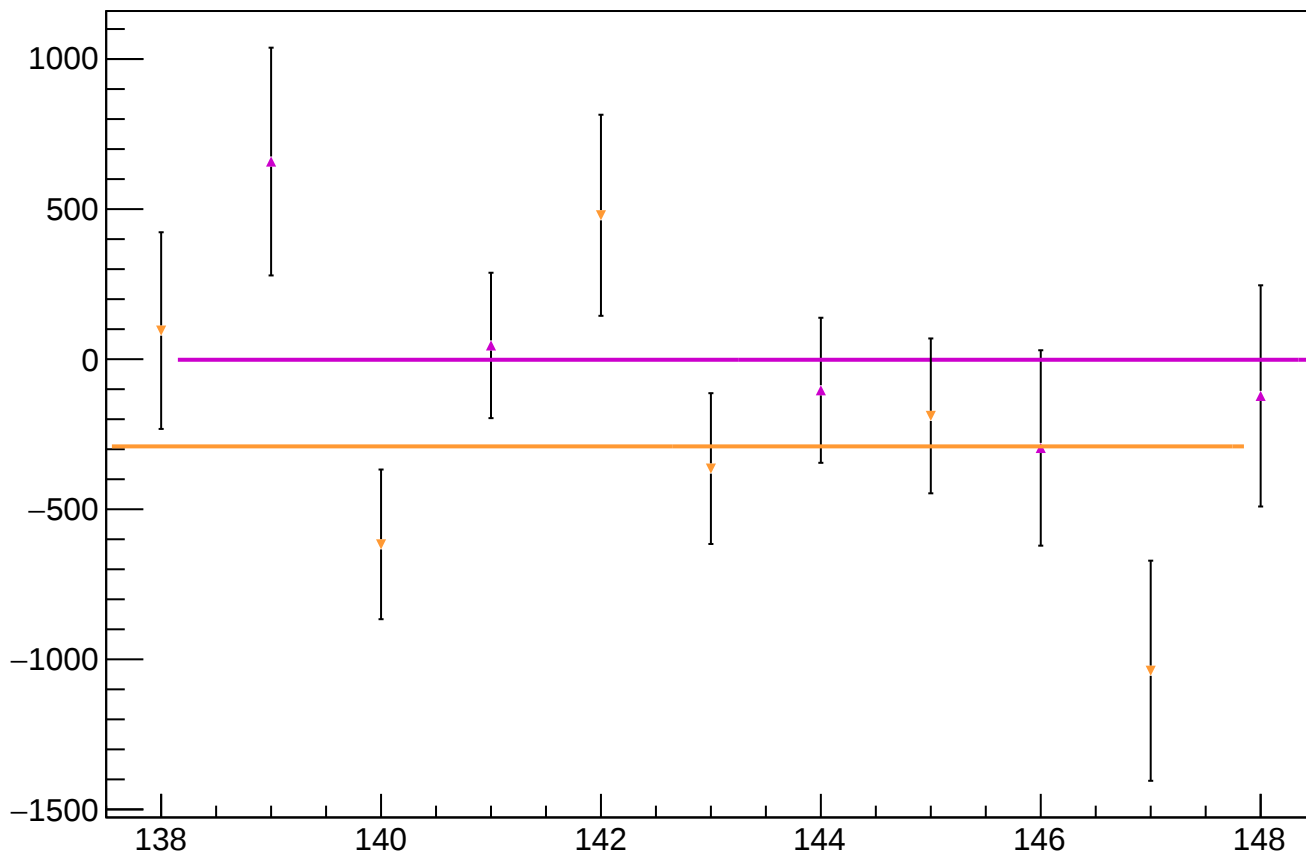
Left In: 57.781 ± 0.020 χ^2/NDF : 2045.7/4

61.699 ± 0.013 χ^2/NDF : 280613.4/22

61.743 ± 0.009 χ^2/NDF : 577543.4/47

61.786 ± 0.013 χ^2/NDF : 296908.7/24

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -290.518+/-117.349 χ^2/NDF : 12.8/5

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

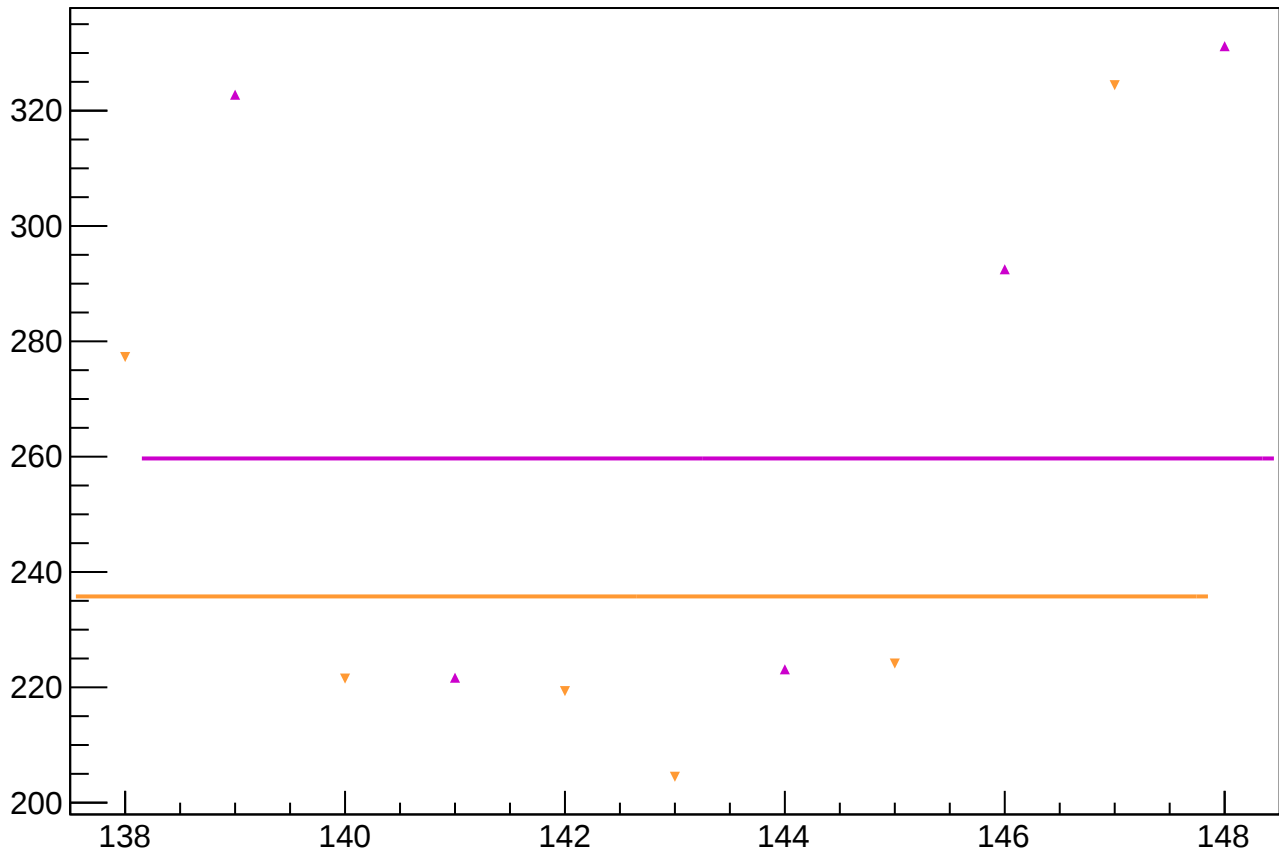
Left In: -1.921+/-131.399 χ^2/NDF : 4.2/4

-290.518+/-117.349 χ^2/NDF : 12.8/5

-162.469+/-87.526 χ^2/NDF : 19.6/10

-1.921+/-131.399 χ^2/NDF : 4.2/4

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 235.764+/-0.083 χ^2/NDF :195404.9/5

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

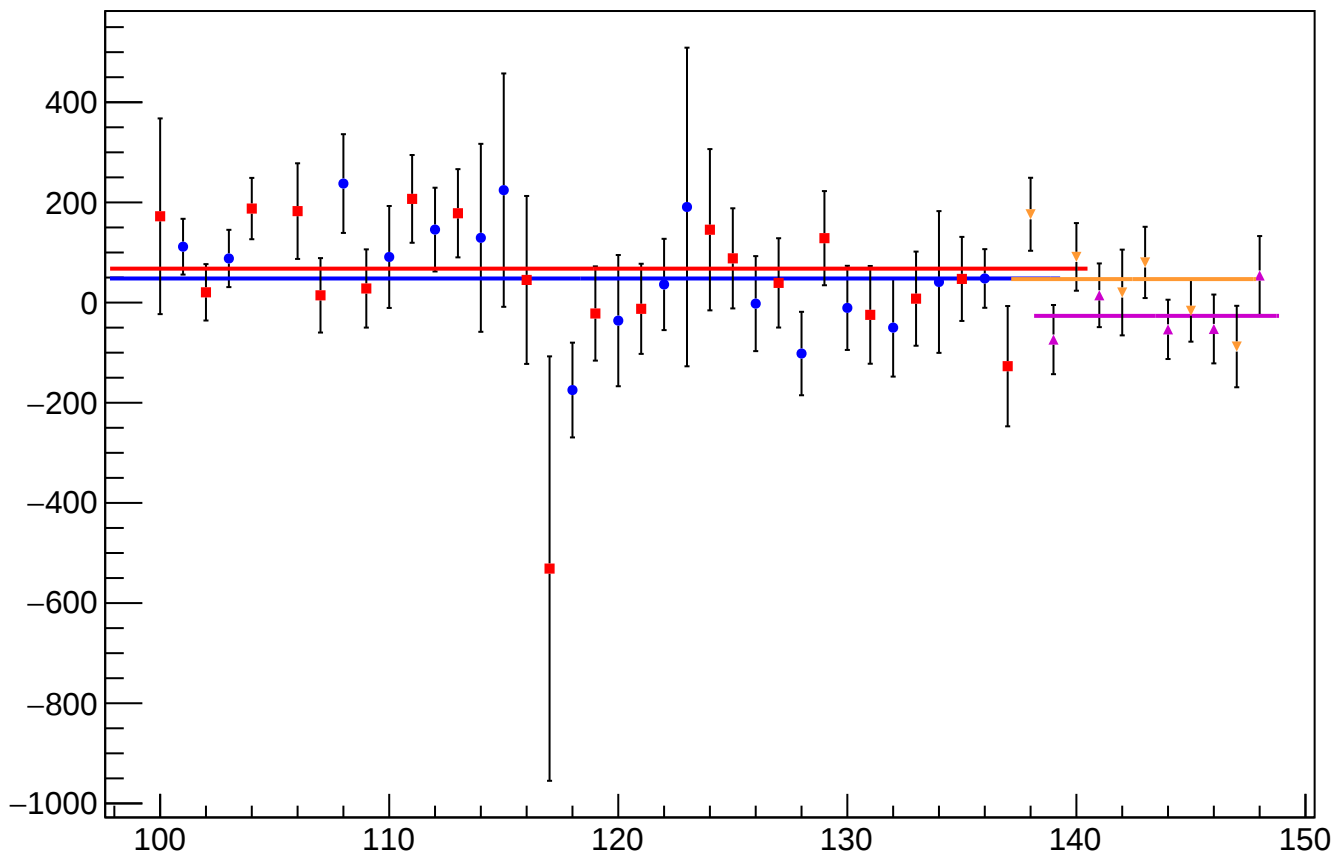
Left In: 259.690+/-0.093 χ^2/NDF :245928.3/4

235.764+/-0.083 χ^2/NDF : 195404.9/5

246.379+/-0.062 χ^2/NDF : 478222.1/10

259.690+/-0.093 χ^2/NDF : 245928.3/4

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: 46.897 $\pm$ 29.413 χ^2 /NDF: 7.7/5

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

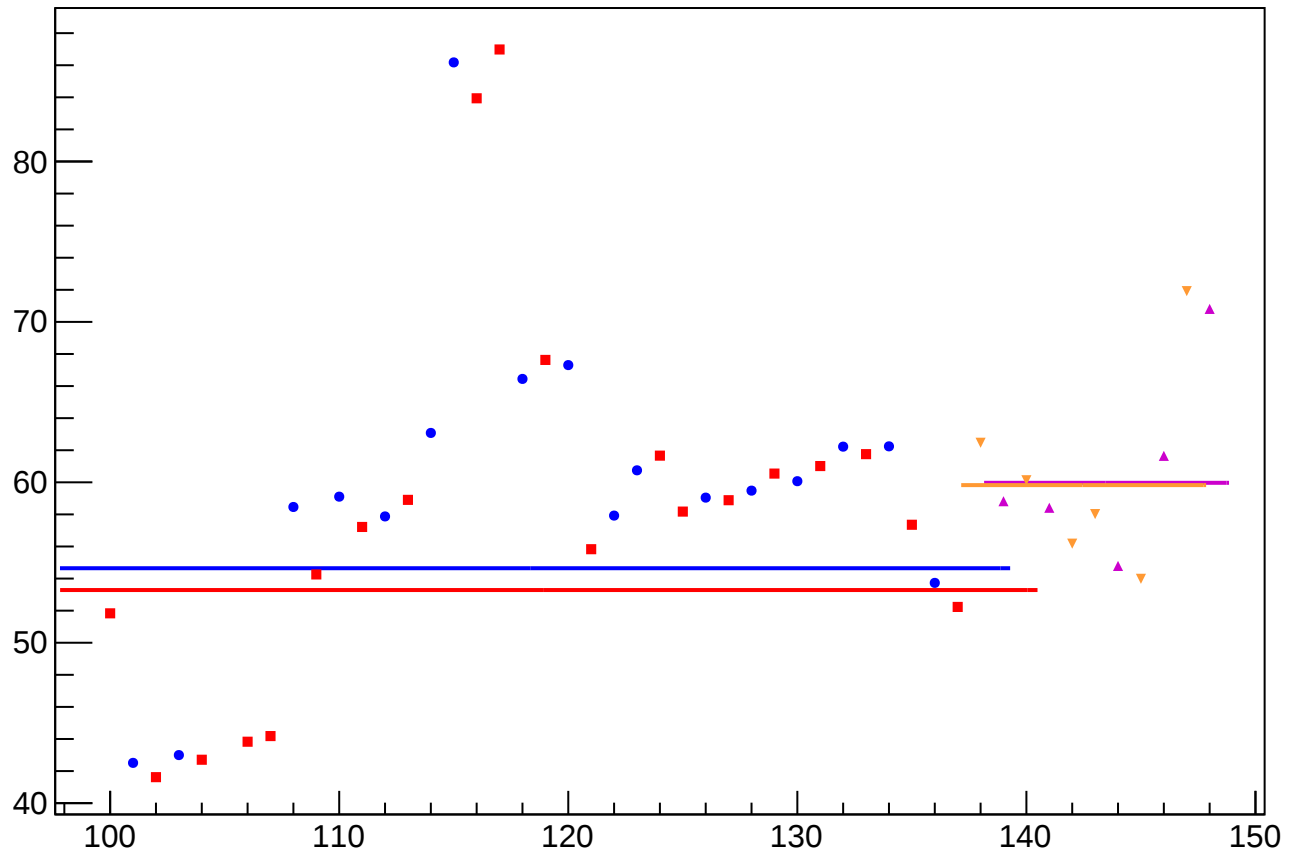
Left In: -26.523 $\pm$ 29.946 χ^2 /NDF: 2.3/4

47.687 $\pm$ 17.363 χ^2 /NDF: 26.7/22

42.653 $\pm$ 12.092 χ^2 /NDF: 55.5/47

37.913 $\pm$ 16.850 χ^2 /NDF: 28.7/24

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645 $\pm$ 0.015 χ^2/NDF : 319300.2/16

Left Out: 59.826 $\pm$ 0.021 χ^2/NDF : 69744.4/5

Right Out: 53.285 $\pm$ 0.014 χ^2/NDF : 398973.0/19

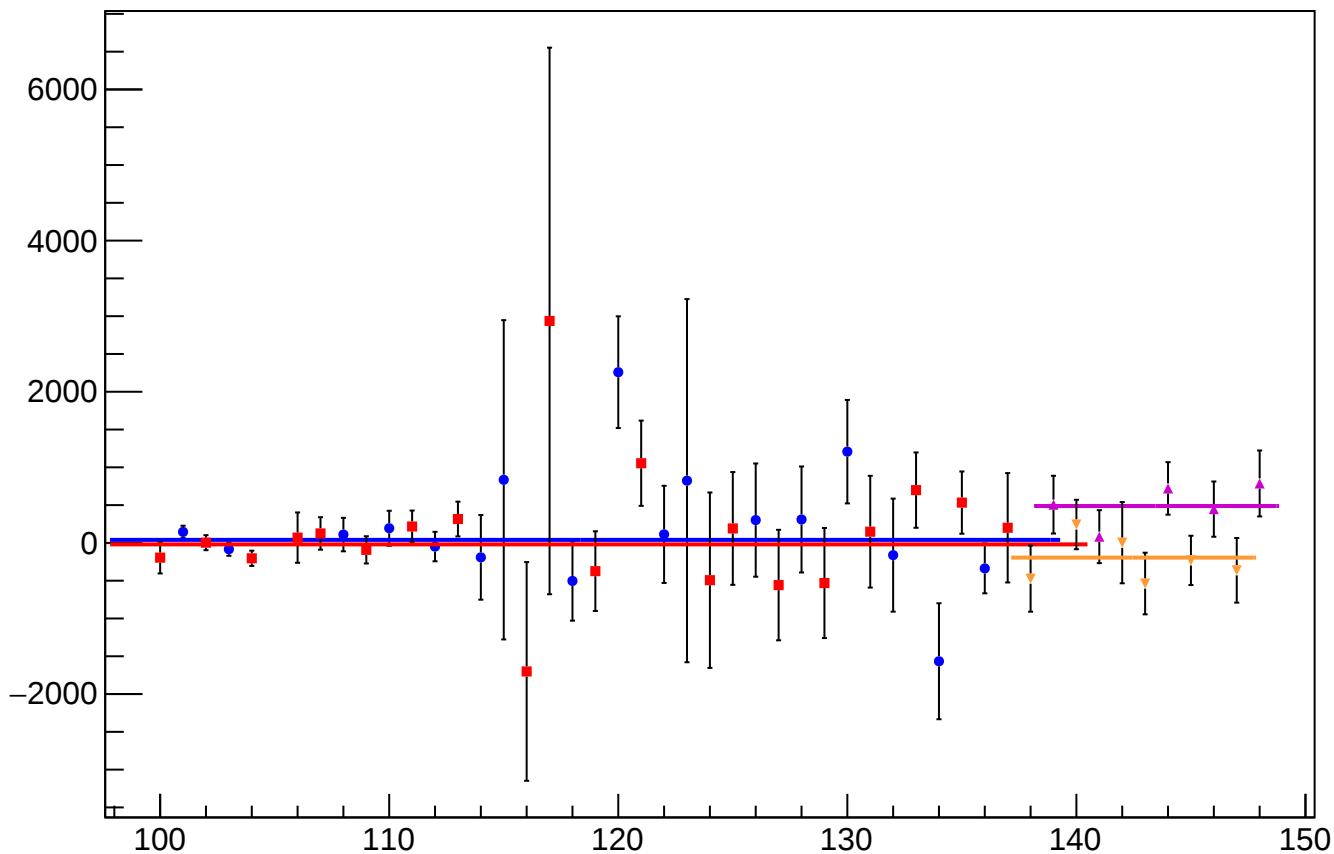
Left In: 59.970 $\pm$ 0.021 χ^2/NDF : 56157.7/4

56.450 $\pm$ 0.012 χ^2/NDF : 429476.5/22

55.910 $\pm$ 0.009 χ^2/NDF : 956467.1/47

55.401 $\pm$ 0.012 χ^2/NDF : 523233.3/24

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -194.652+/-160.296 χ^2/NDF : 3.2/5

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

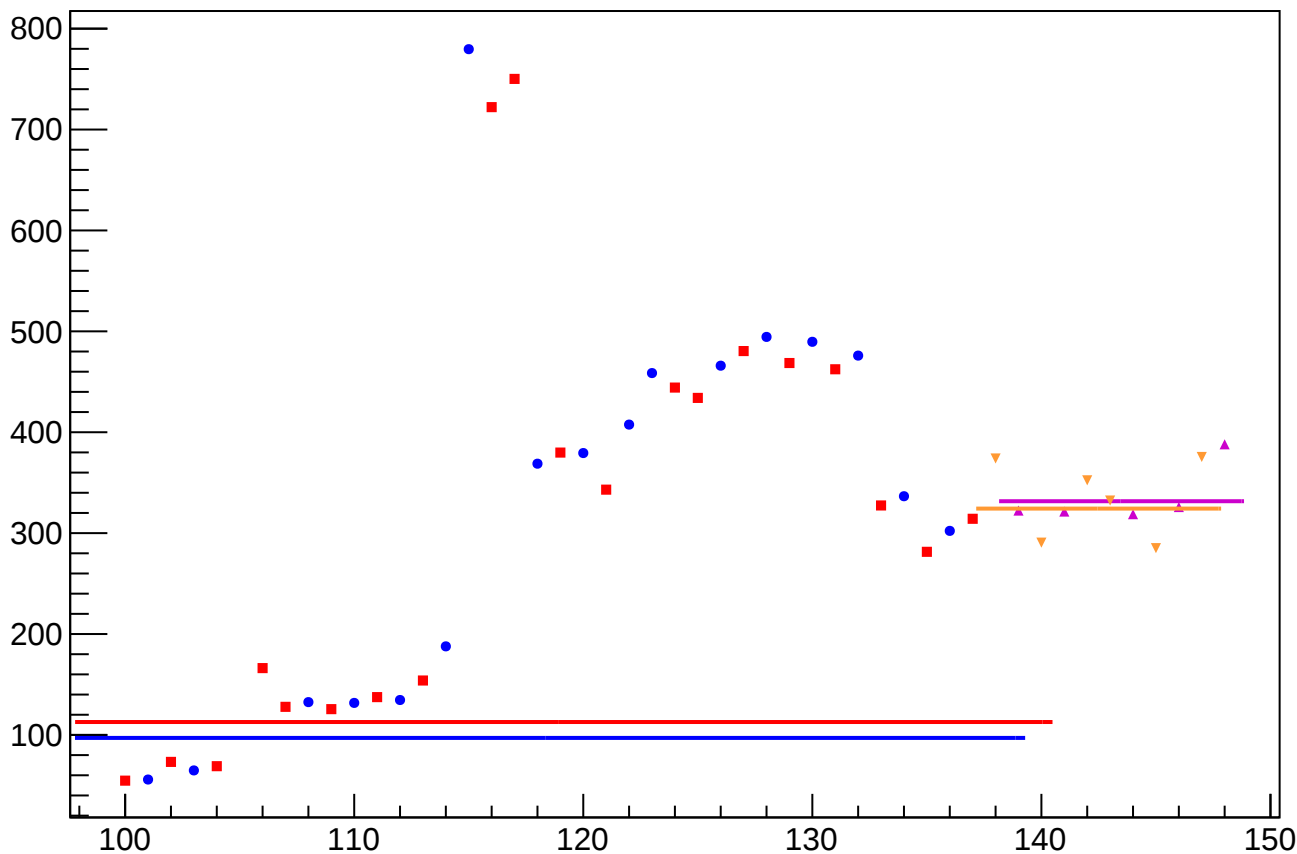
Left In: 488.105+/-166.617 χ^2/NDF : 2.3/4

18.200+/-49.068 χ^2/NDF : 29.0/22

22.690+/-35.272 χ^2/NDF : 59.3/47

27.490+/-50.738 χ^2/NDF : 30.3/24

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039 $\pm$ 0.036 χ^2/NDF : 5819709.2/16

Left Out: 324.322 $\pm$ 0.113 χ^2/NDF : 110782.8/5

Right Out: 112.792 $\pm$ 0.038 χ^2/NDF : 5098459.2/19

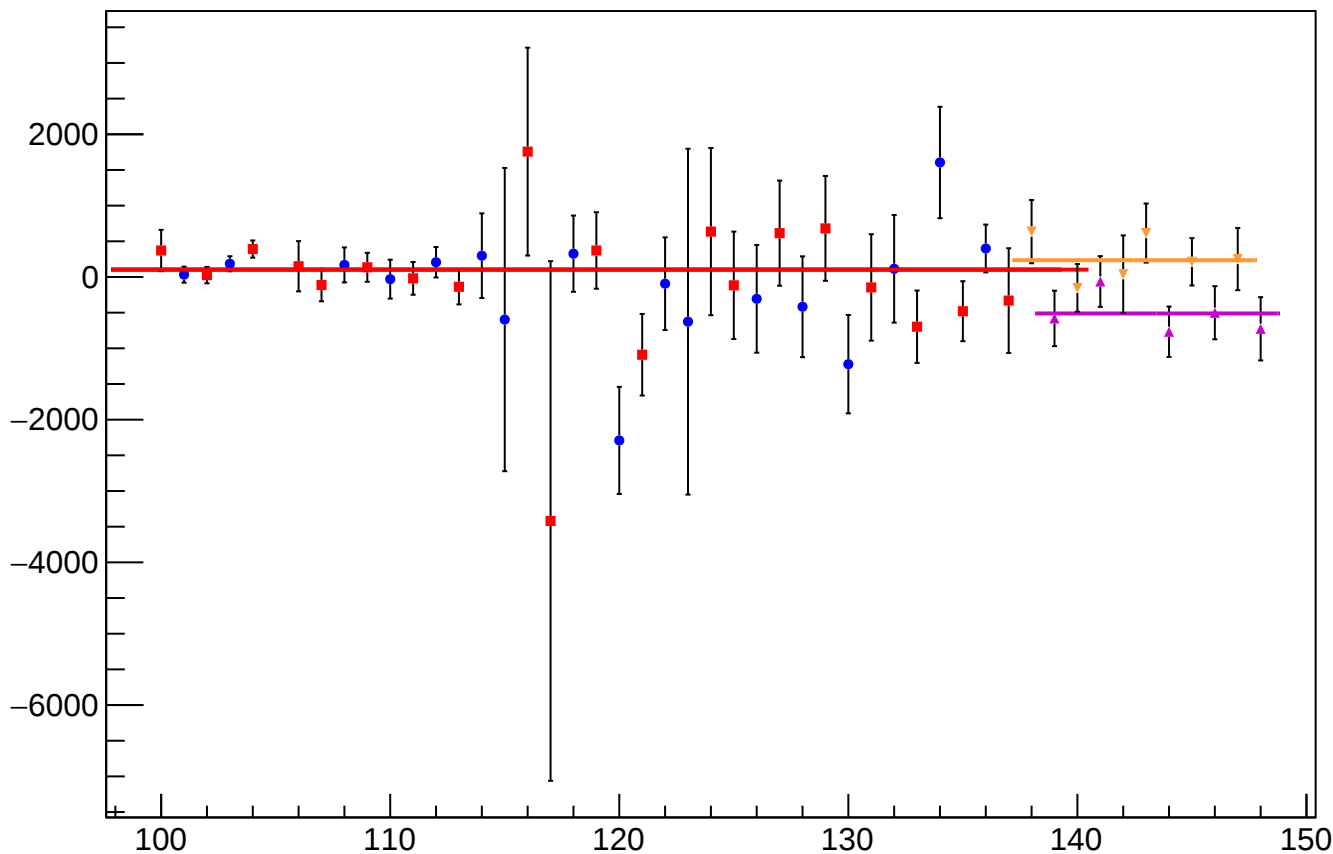
Left In: 331.629 $\pm$ 0.118 χ^2/NDF : 39570.9/4

118.336 $\pm$ 0.035 χ^2/NDF : 9574606.7/22

125.464 $\pm$ 0.025 χ^2/NDF : 17930131.7/47

133.085 $\pm$ 0.036 χ^2/NDF : 8268196.2/24

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 ± 63.156 χ^2/NDF : 21.3/16

Left Out: 235.075 ± 163.111 χ^2/NDF : 3.1/5

Right Out: 103.156 ± 60.849 χ^2/NDF : 22.3/19

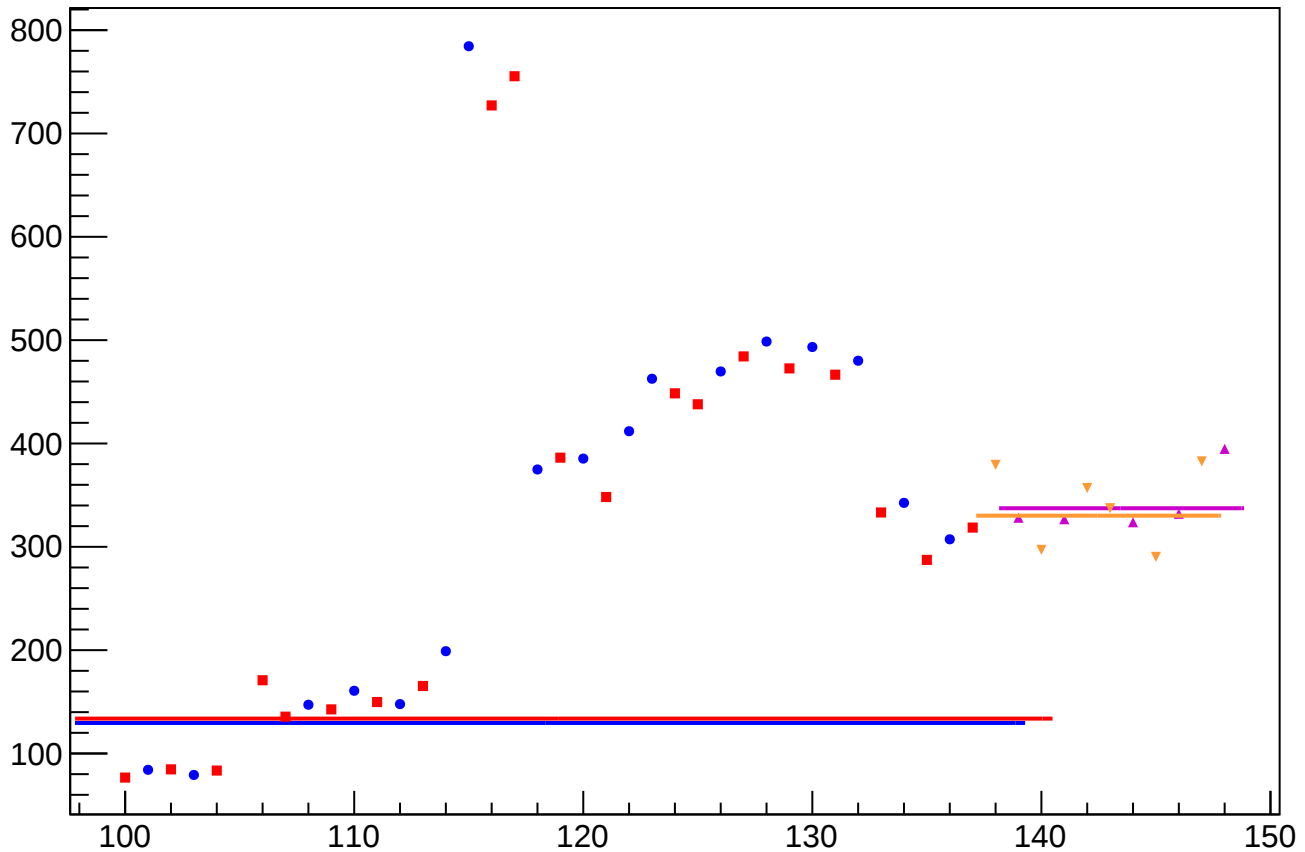
Left In: -511.258 ± 169.420 χ^2/NDF : 2.4/4

121.090 ± 58.896 χ^2/NDF : 25.0/22

75.787 ± 41.058 χ^2/NDF : 62.5/47

32.956 ± 57.267 χ^2/NDF : 36.3/24

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2/NDF : 4772450.4/16

Left Out: 330.148 $\pm$ 0.115 χ^2/NDF : 107476.8/5

Right Out: 133.766 $\pm$ 0.043 χ^2/NDF : 4424544.5/19

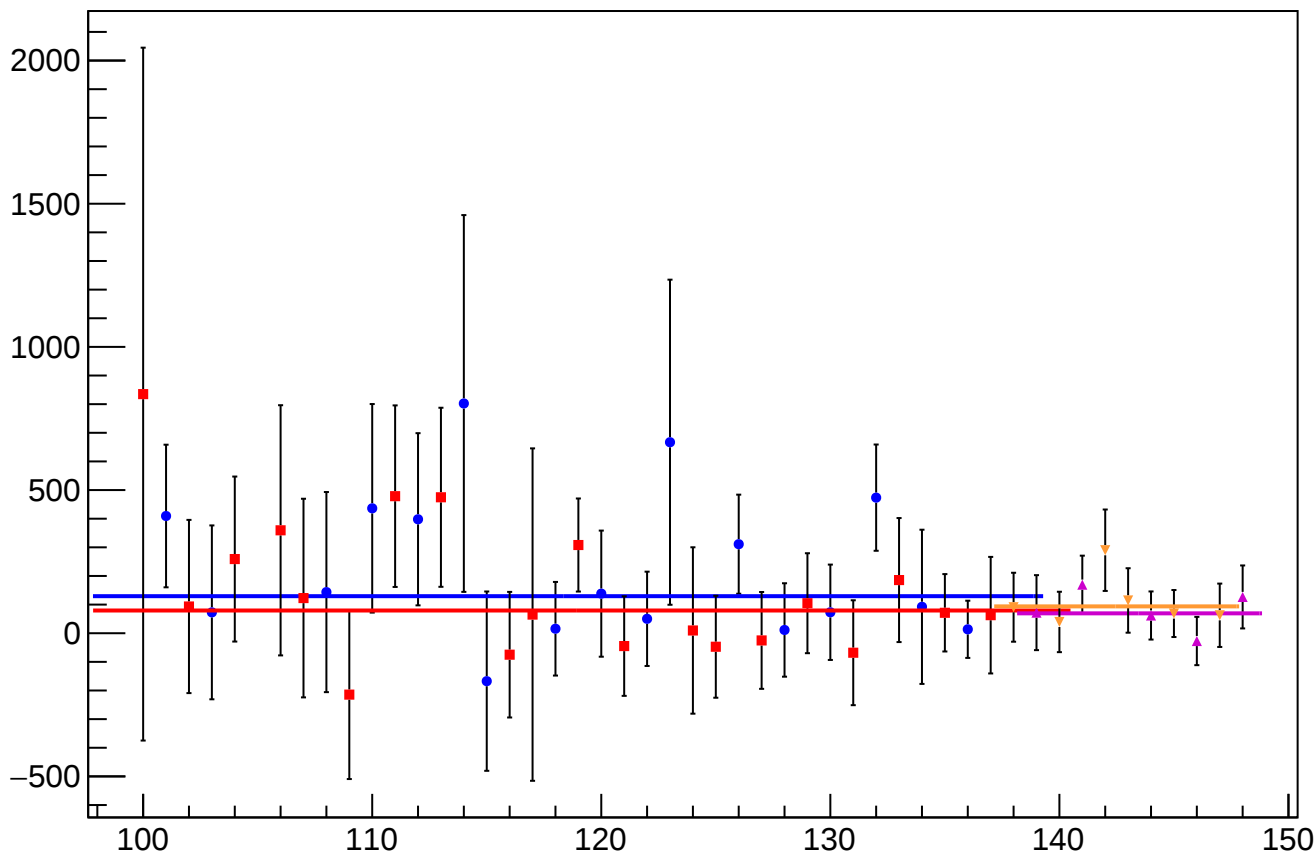
Left In: 337.340 $\pm$ 0.120 χ^2/NDF : 39826.3/4

155.705 $\pm$ 0.042 χ^2/NDF : 7510433.2/22

156.384 $\pm$ 0.029 χ^2/NDF : 14533034.0/47

157.026 $\pm$ 0.040 χ^2/NDF : 7022083.6/24

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: 93.757 $\pm$ 43.962 χ^2 /NDF: 2.4/5

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

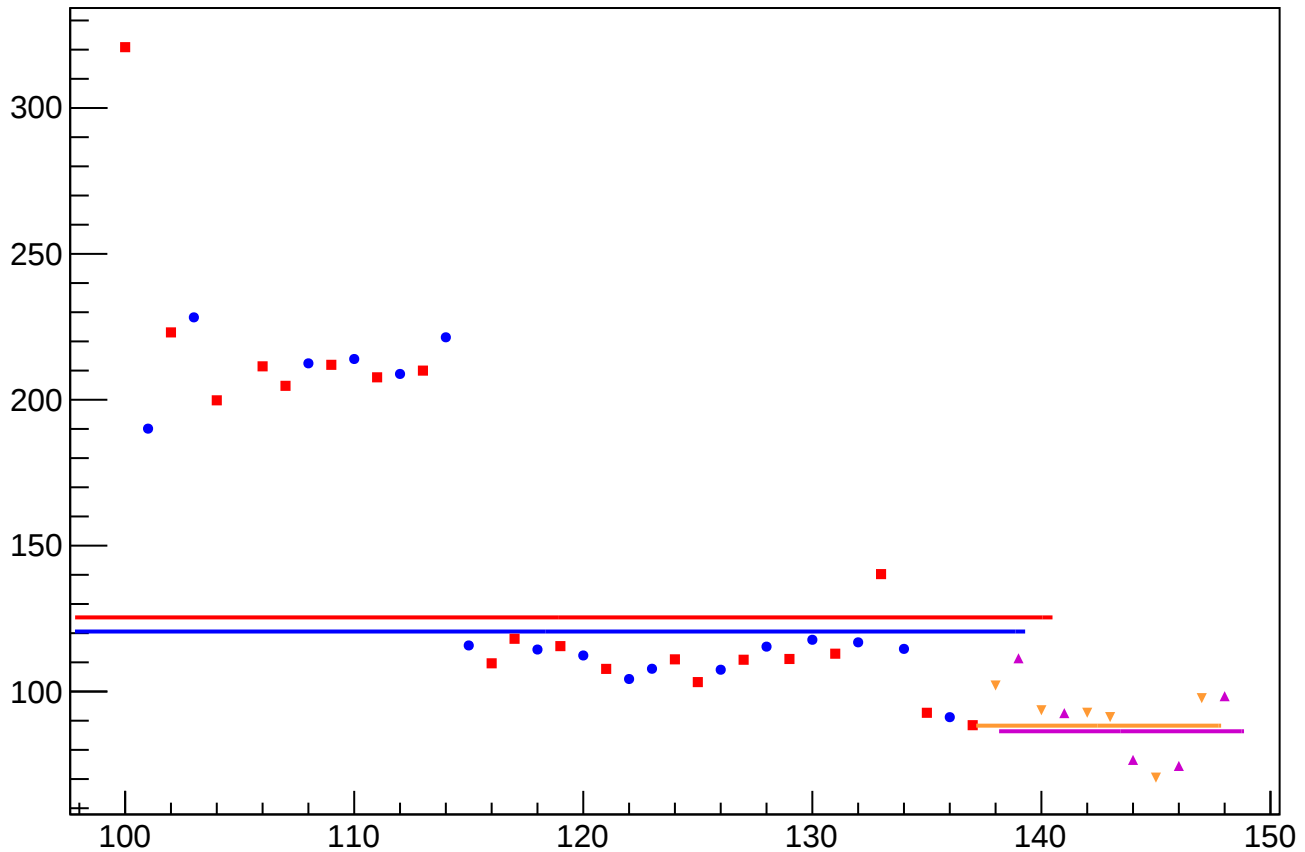
Left In: 69.431 $\pm$ 43.820 χ^2 /NDF: 2.6/4

109.608 $\pm$ 32.759 χ^2 /NDF: 15.6/22

91.755 $\pm$ 23.203 χ^2 /NDF: 29.0/47

73.781 $\pm$ 32.869 χ^2 /NDF: 12.8/24

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: 88.299 $\pm$ 0.031 χ^2 /NDF:143165.2/5

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

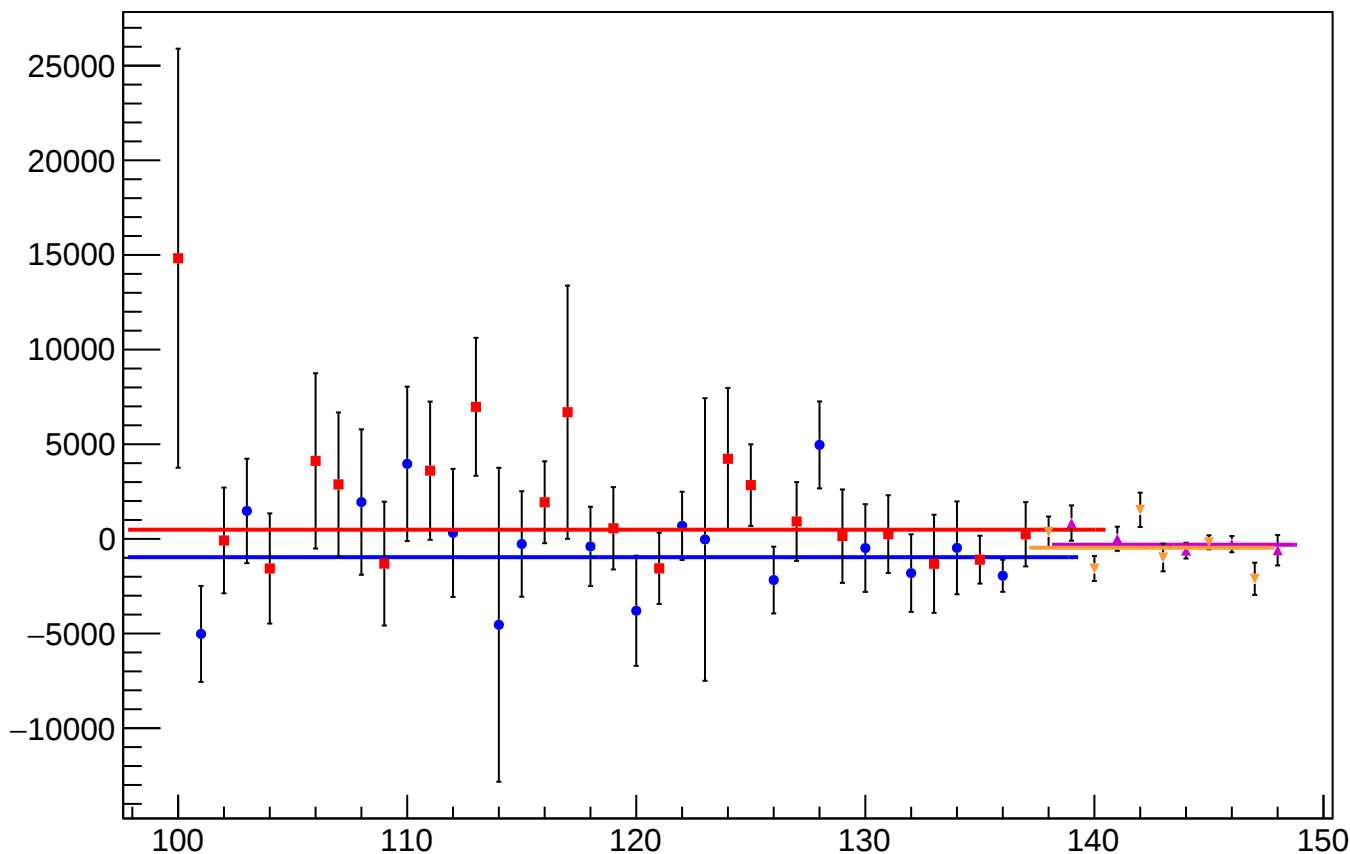
Left In: 86.374 $\pm$ 0.031 χ^2 /NDF:171399.7/4

102.649 $\pm$ 0.023 χ^2 /NDF: 1734384.1/22

103.045 $\pm$ 0.016 χ^2 /NDF: 3934363.2/47

103.444 $\pm$ 0.023 χ^2 /NDF: 2199392.6/24

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -467.026+/-253.576 χ^2/NDF :13.5/5

Right Out: 485.654+/-543.567 χ^2/NDF : 14.3/19

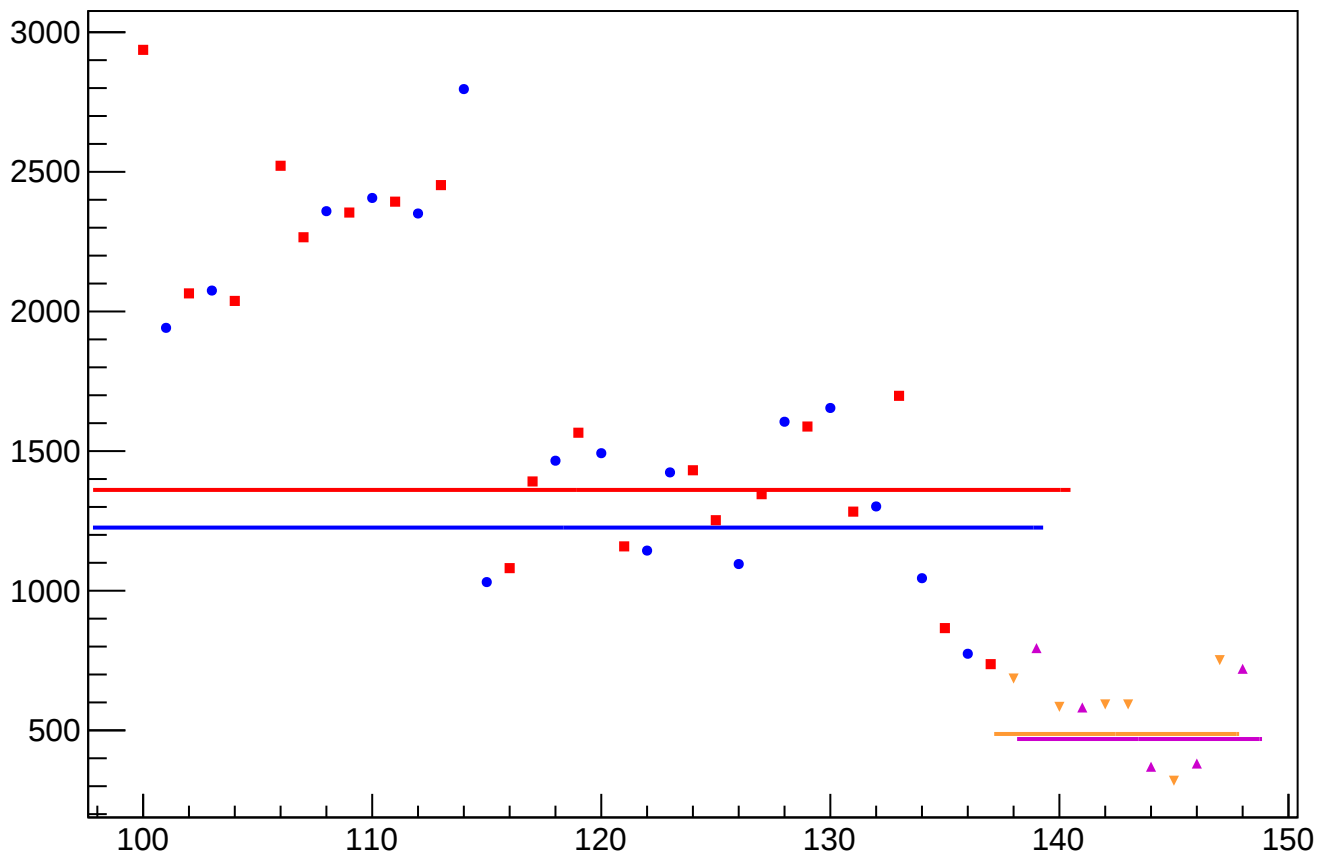
Left In: -307.857+/-247.633 χ^2/NDF :2.4/4

-565.321+/-227.263 χ^2/NDF : 30.7/22

-366.732+/-160.019 χ^2/NDF : 50.6/47

-171.474+/-225.350 χ^2/NDF : 18.5/24

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: 487.058 $\pm$ 0.179 χ^2/NDF : 832622.5/5

Right Out: 1360.972 $\pm$ 0.384 χ^2/NDF : 1749116.2/19

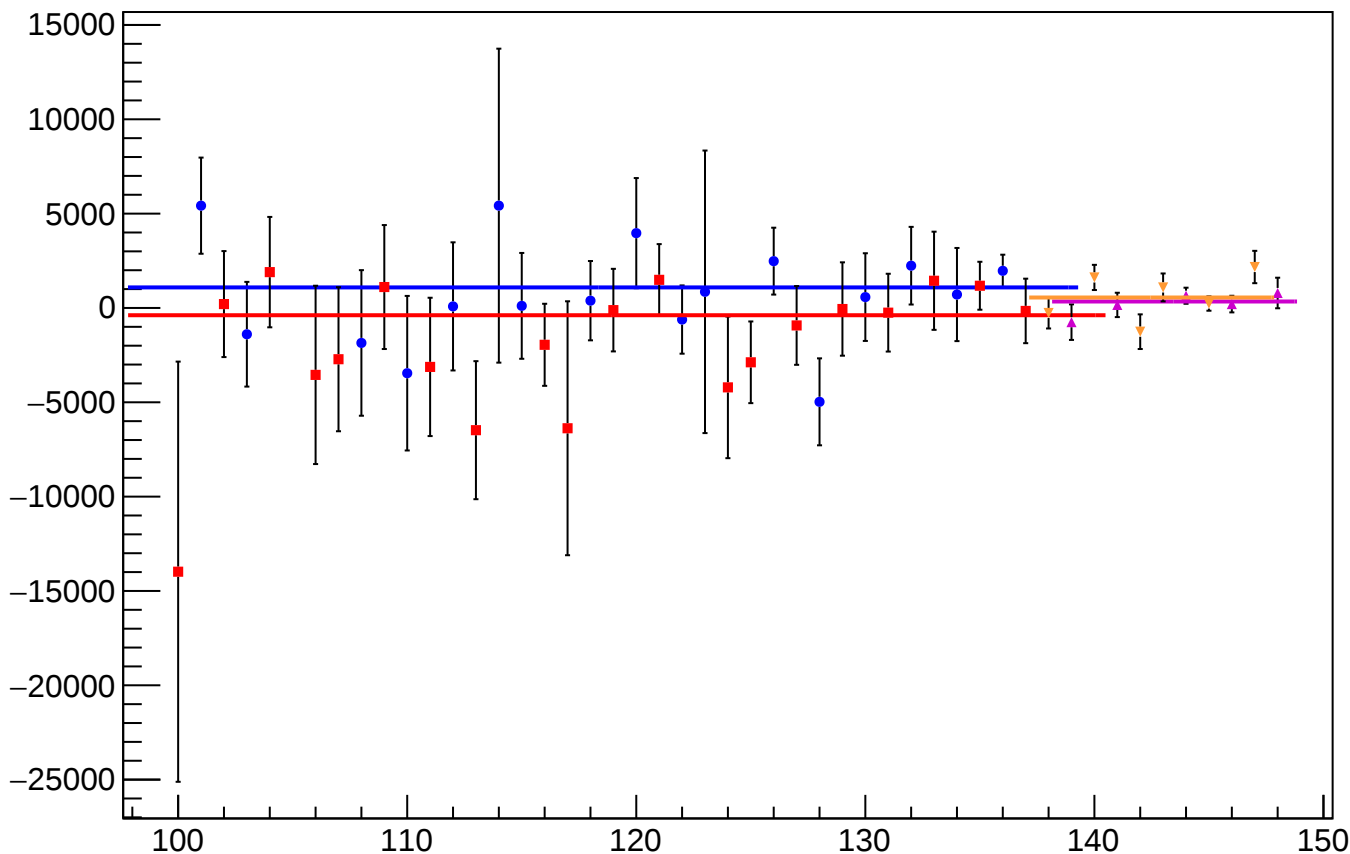
Left In: 468.957 $\pm$ 0.175 χ^2/NDF : 699306.1/4

632.481 $\pm$ 0.161 χ^2/NDF : 5931946.6/22

627.332 $\pm$ 0.113 χ^2/NDF : 12842707.4/47

622.270 $\pm$ 0.159 χ^2/NDF : 6908725.3/24

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 553.908 $\pm$ 258.237 χ^2 /NDF:12.2/5

Right Out: -385.391 $\pm$ 546.382 χ^2 /NDF: 13.3/19

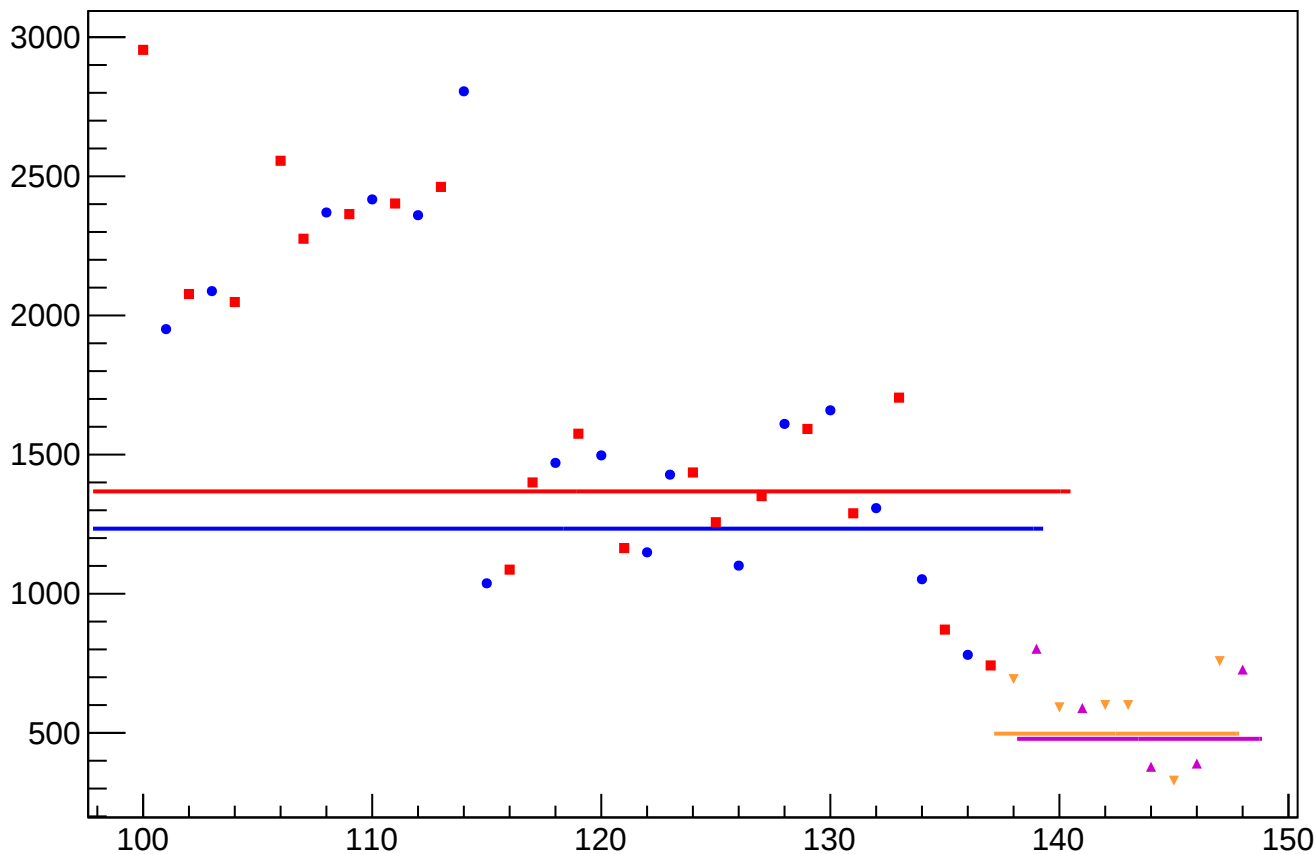
Left In: 342.405 $\pm$ 252.296 χ^2 /NDF:2.3/4

661.339 $\pm$ 230.867 χ^2 /NDF: 30.0/22

436.158 $\pm$ 162.603 χ^2 /NDF: 49.0/47

214.497 $\pm$ 229.055 χ^2 /NDF: 17.1/24

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 497.272+/-0.183 χ^2/NDF : 796607.8/5

Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

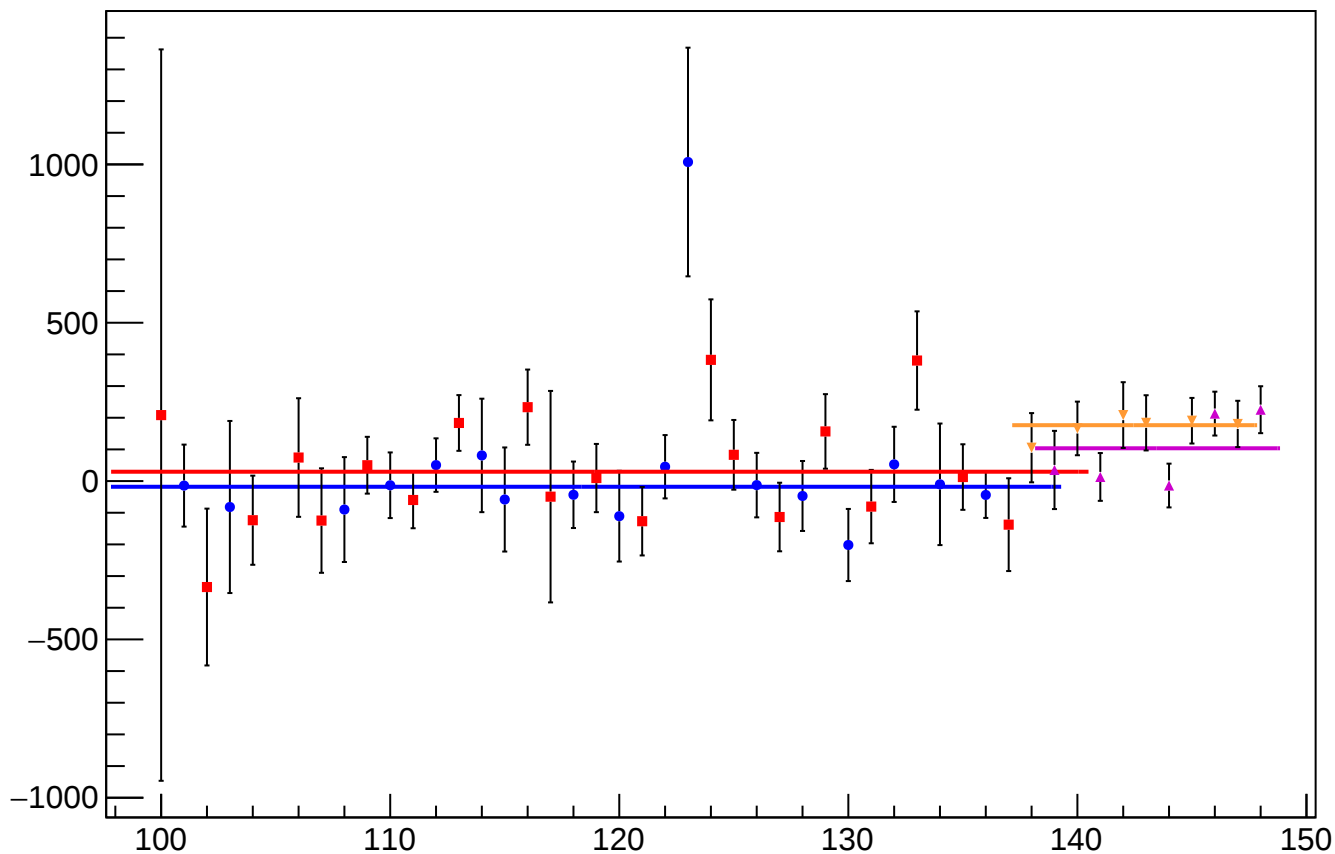
Left In: 478.718+/-0.178 χ^2/NDF : 675627.1/4

645.140+/-0.163 χ^2/NDF : 5807238.3/22

640.018+/-0.115 χ^2/NDF : 12594658.5/47

634.975+/-0.162 χ^2/NDF : 6785466.3/24

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 176.493 ± 34.764 χ^2/NDF : 0.6/5

Right Out: 29.517 ± 27.879 χ^2/NDF : 27.5/19

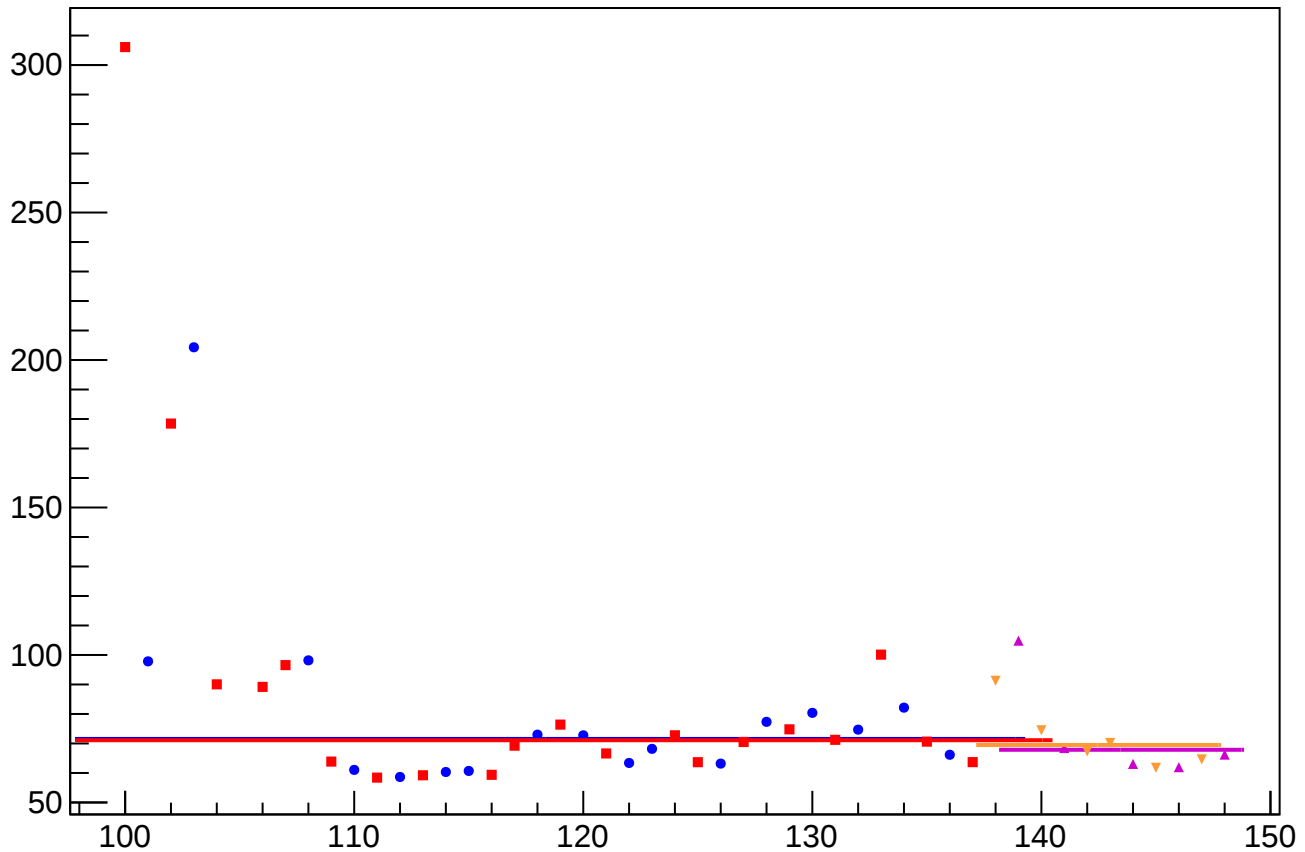
Left In: 103.553 ± 34.480 χ^2/NDF : 9.8/4

61.329 ± 22.200 χ^2/NDF : 32.5/22

60.027 ± 15.510 χ^2/NDF : 72.6/47

58.785 ± 21.679 χ^2/NDF : 40.1/24

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 69.491+/-0.025 χ^2/NDF : 119140.4/5

Right Out: 71.102+/-0.020 χ^2/NDF : 765220.8/19

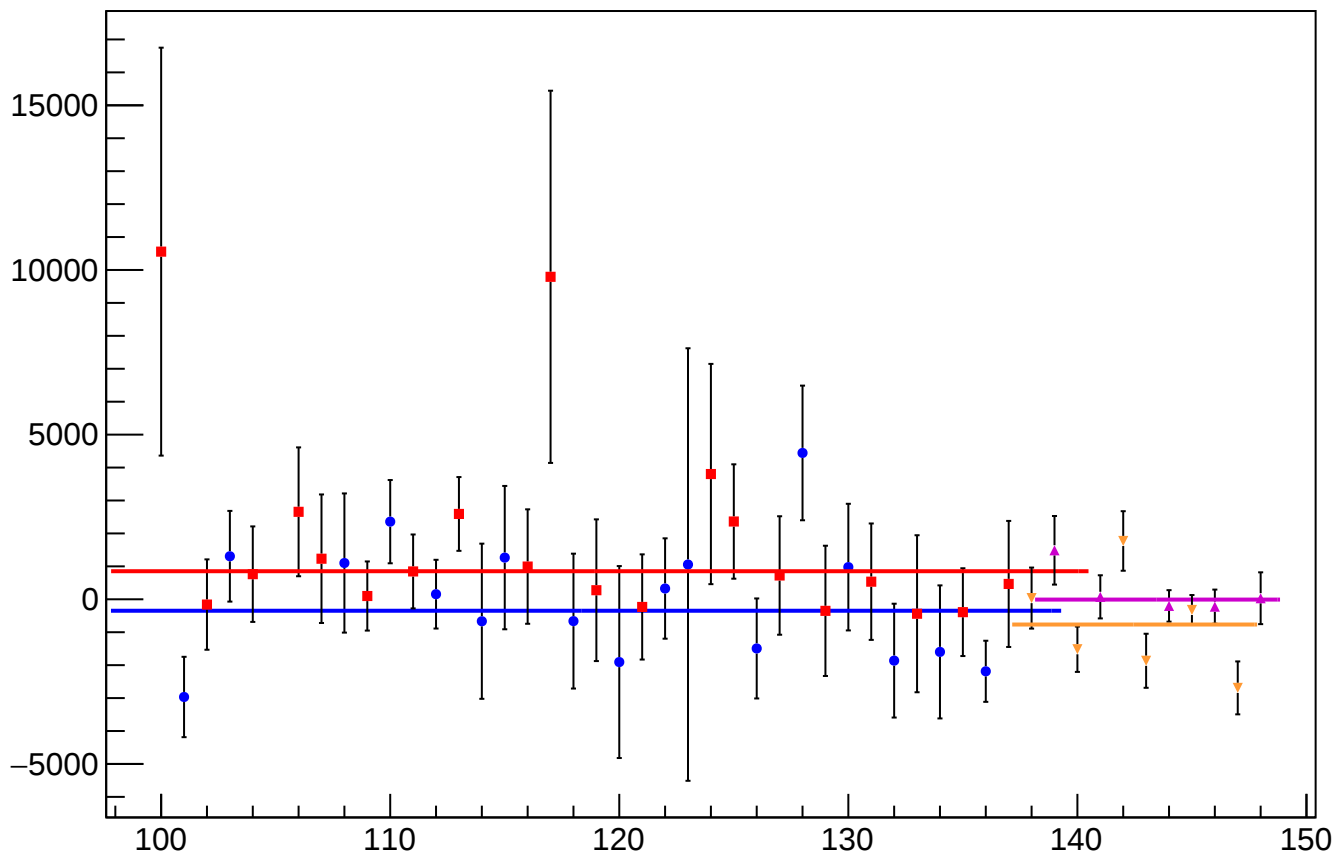
Left In: 67.861+/-0.024 χ^2/NDF : 204685.3/4

70.702+/-0.016 χ^2/NDF : 882201.4/22

70.251+/-0.011 χ^2/NDF : 1864402.6/47

69.821+/-0.015 χ^2/NDF : 980589.4/24

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -766.245 ± 283.916 χ^2/NDF : 18.3/5

Right Out: 852.433 ± 369.018 χ^2/NDF : 13.0/19

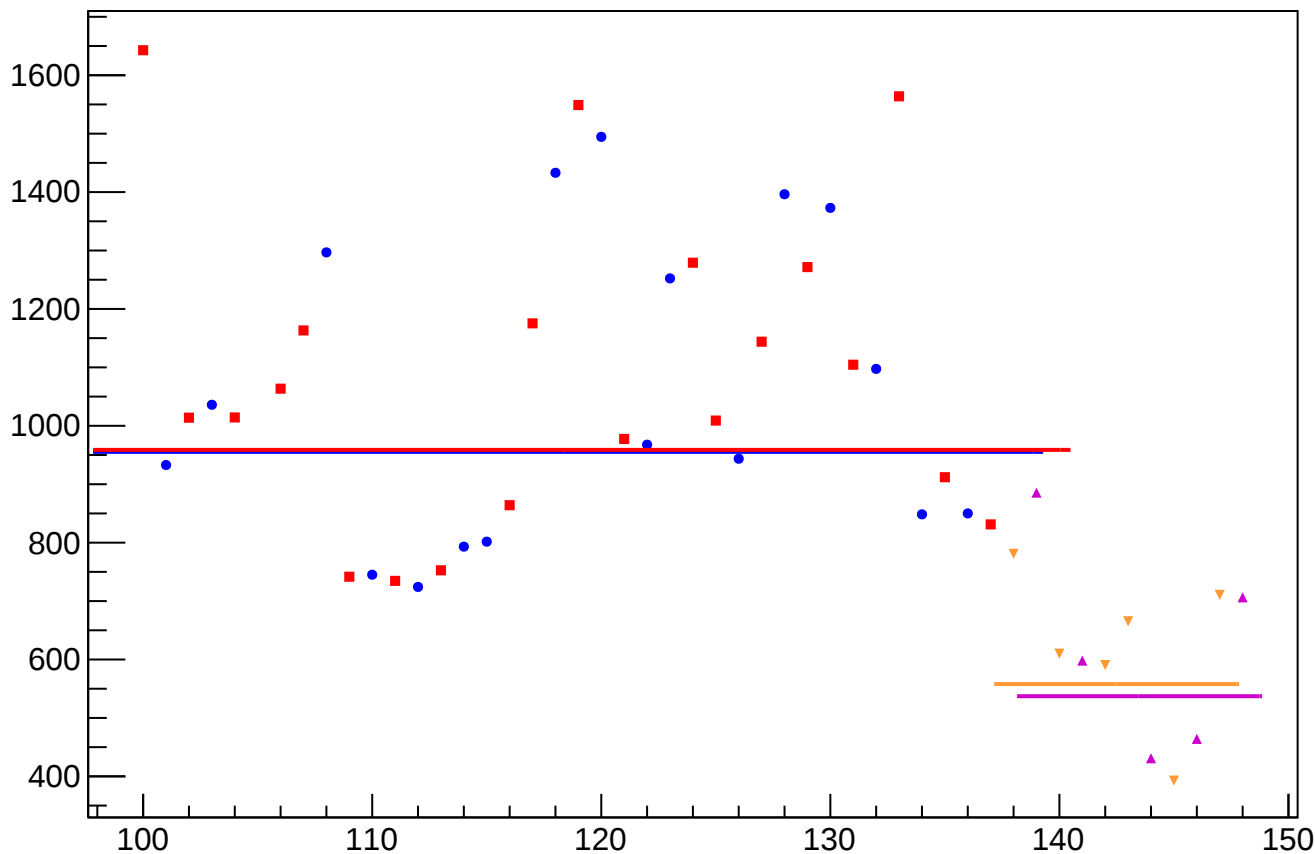
Left In: -8.906 ± 277.665 χ^2/NDF : 2.4/4

-617.394 ± 227.869 χ^2/NDF : 43.1/22

-145.198 ± 158.965 χ^2/NDF : 70.4/47

302.468 ± 221.872 χ^2/NDF : 18.9/24

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 557.928+/-0.201 χ^2/NDF : 502358.3/5

Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

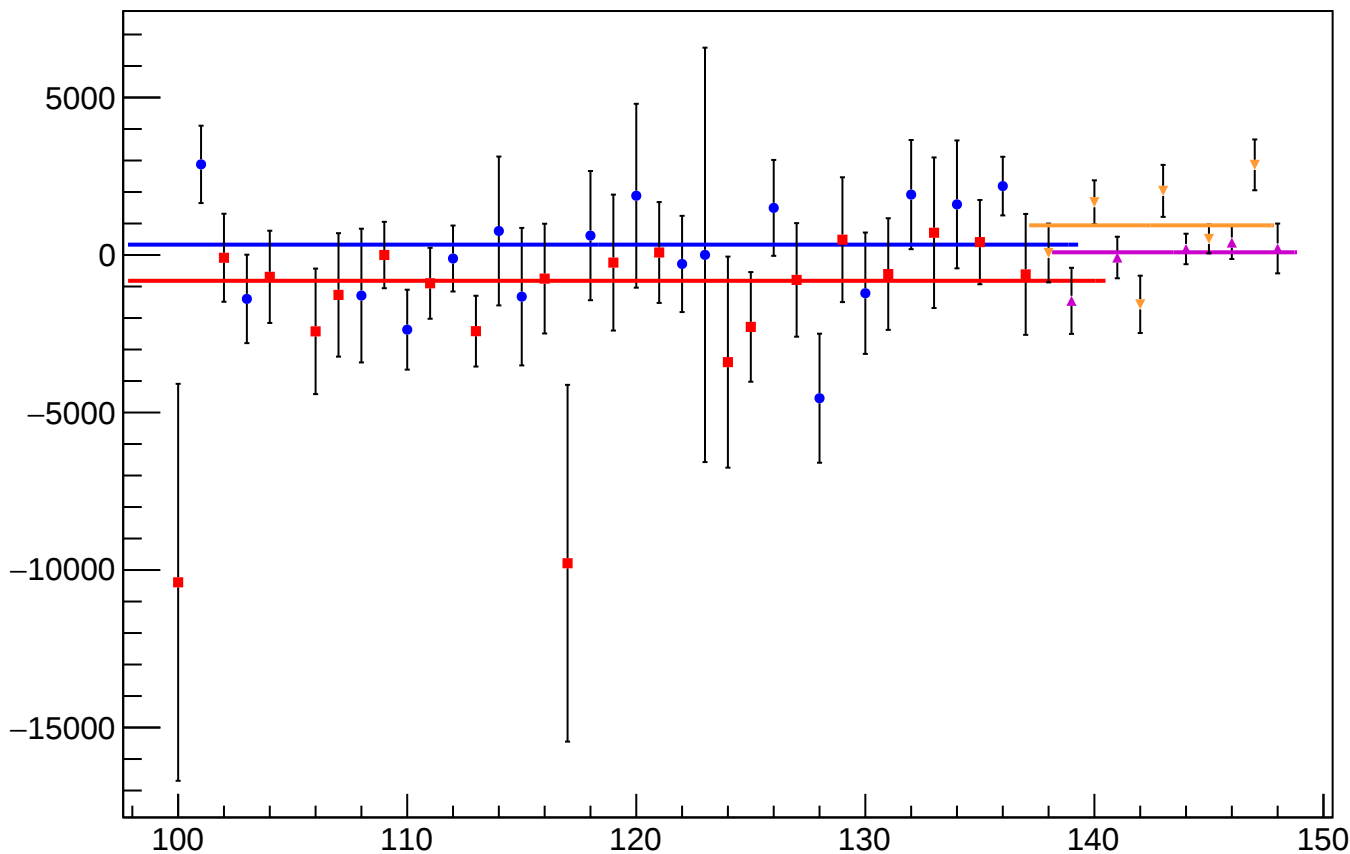
Left In: 537.192+/-0.196 χ^2/NDF : 472023.1/4

699.374+/-0.161 χ^2/NDF : 2543886.3/22

694.354+/-0.112 χ^2/NDF : 5380555.6/47

689.595+/-0.157 χ^2/NDF : 2834778.3/24

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164+/-383.728 χ^2/NDF : 24.3/16

Left Out: 941.632+/-286.474 χ^2/NDF : 17.9/5

Right Out: -818.253+/-370.875 χ^2/NDF : 11.8/19

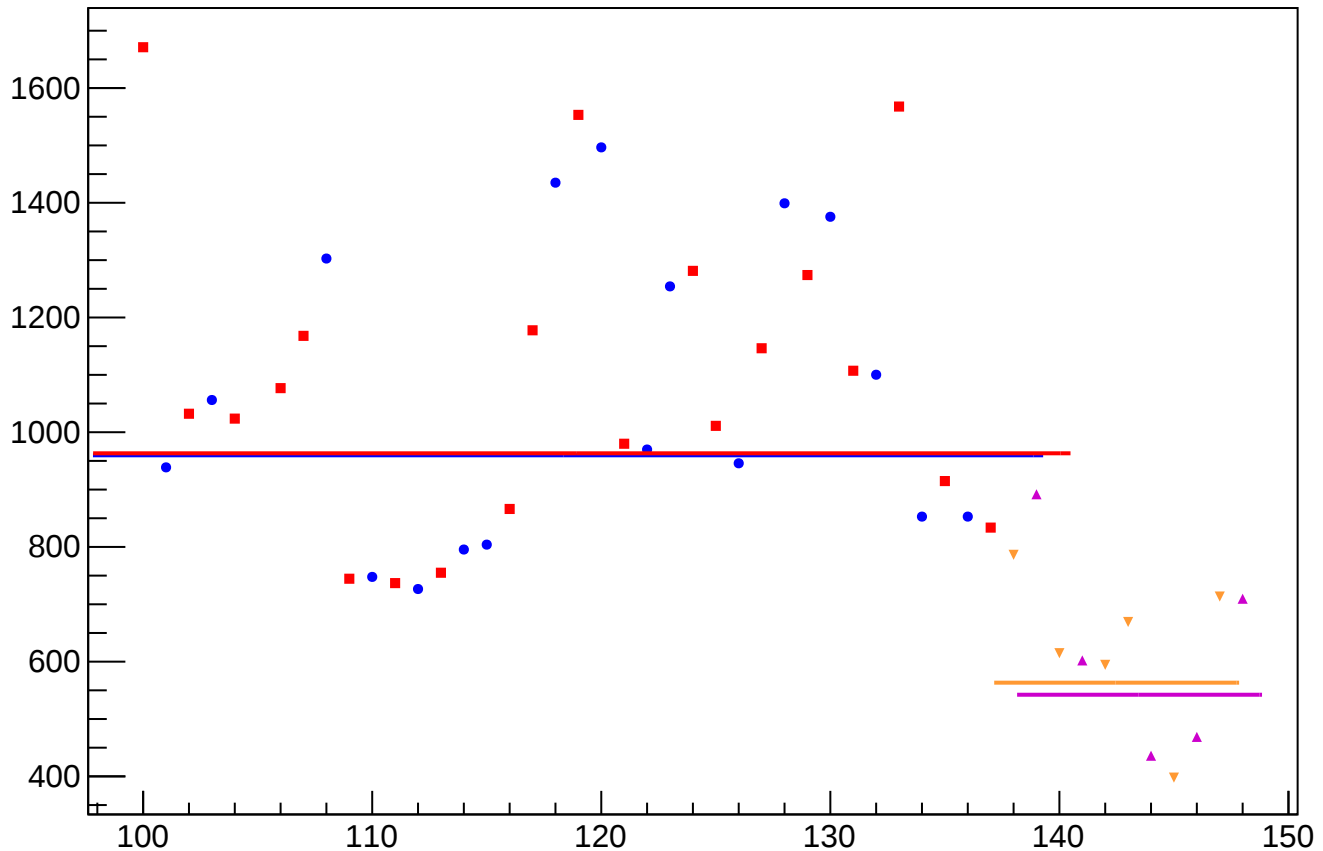
Left In: 85.972+/-280.145 χ^2/NDF : 2.6/4

722.441+/-229.558 χ^2/NDF : 43.8/22

227.143+/-160.152 χ^2/NDF : 71.2/47

-242.524+/-223.539 χ^2/NDF : 18.3/24

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 +/- 0.271 χ^2/NDF : 646727.9/16

Left Out: 563.365 +/- 0.203 χ^2/NDF : 489822.3/5

Right Out: 963.238 +/- 0.262 χ^2/NDF : 698638.3/19

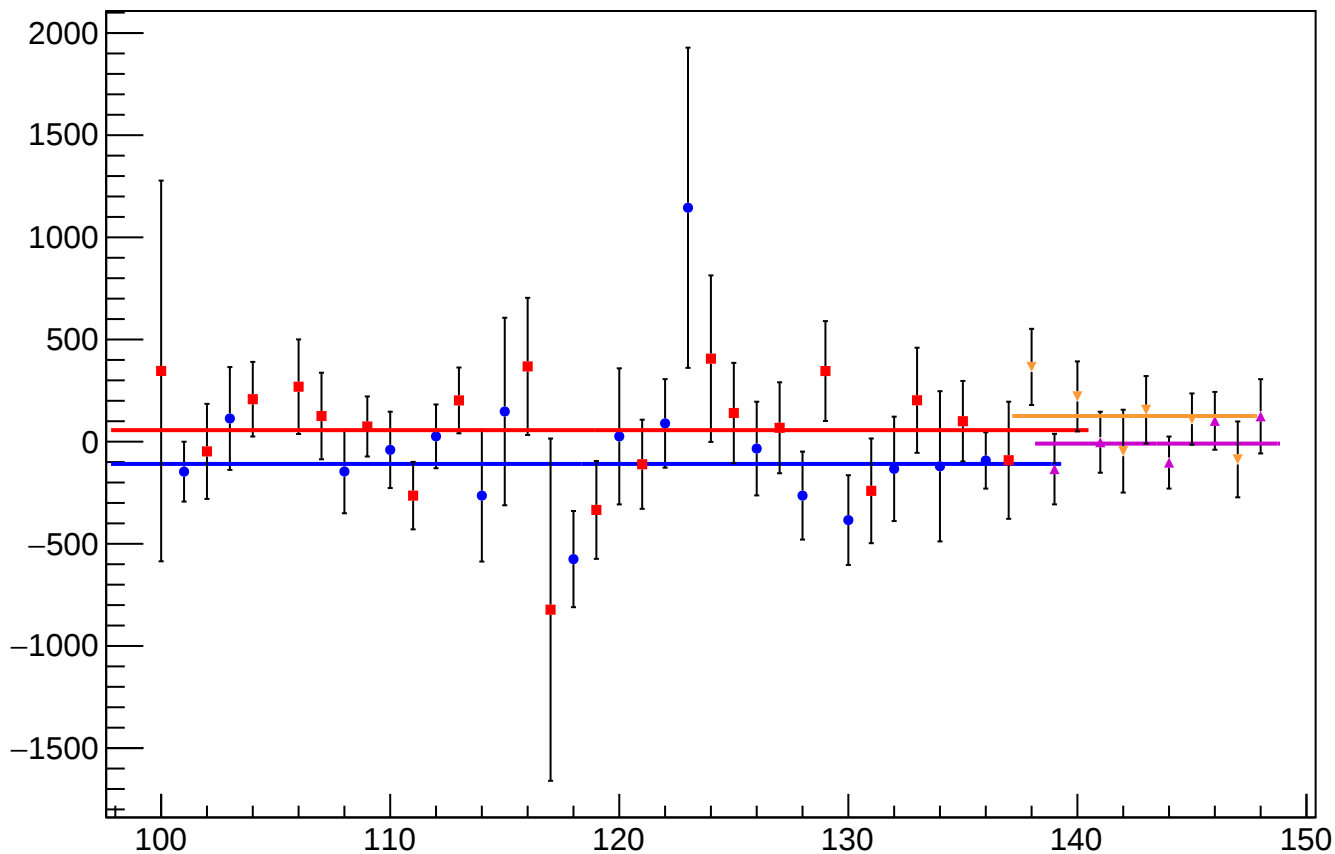
Left In: 542.314 +/- 0.198 χ^2/NDF : 464407.3/4

705.231 +/- 0.162 χ^2/NDF : 2507047.5/22

700.098 +/- 0.113 χ^2/NDF : 5312344.2/47

695.231 +/- 0.158 χ^2/NDF : 2803348.9/24

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 $\chi^2/\text{NDF}: 12.0/16$

Left Out: 125.567 ± 67.984 $\chi^2/\text{NDF}: 4.0/5$

Right Out: 56.241 ± 50.729 $\chi^2/\text{NDF}: 16.0/19$

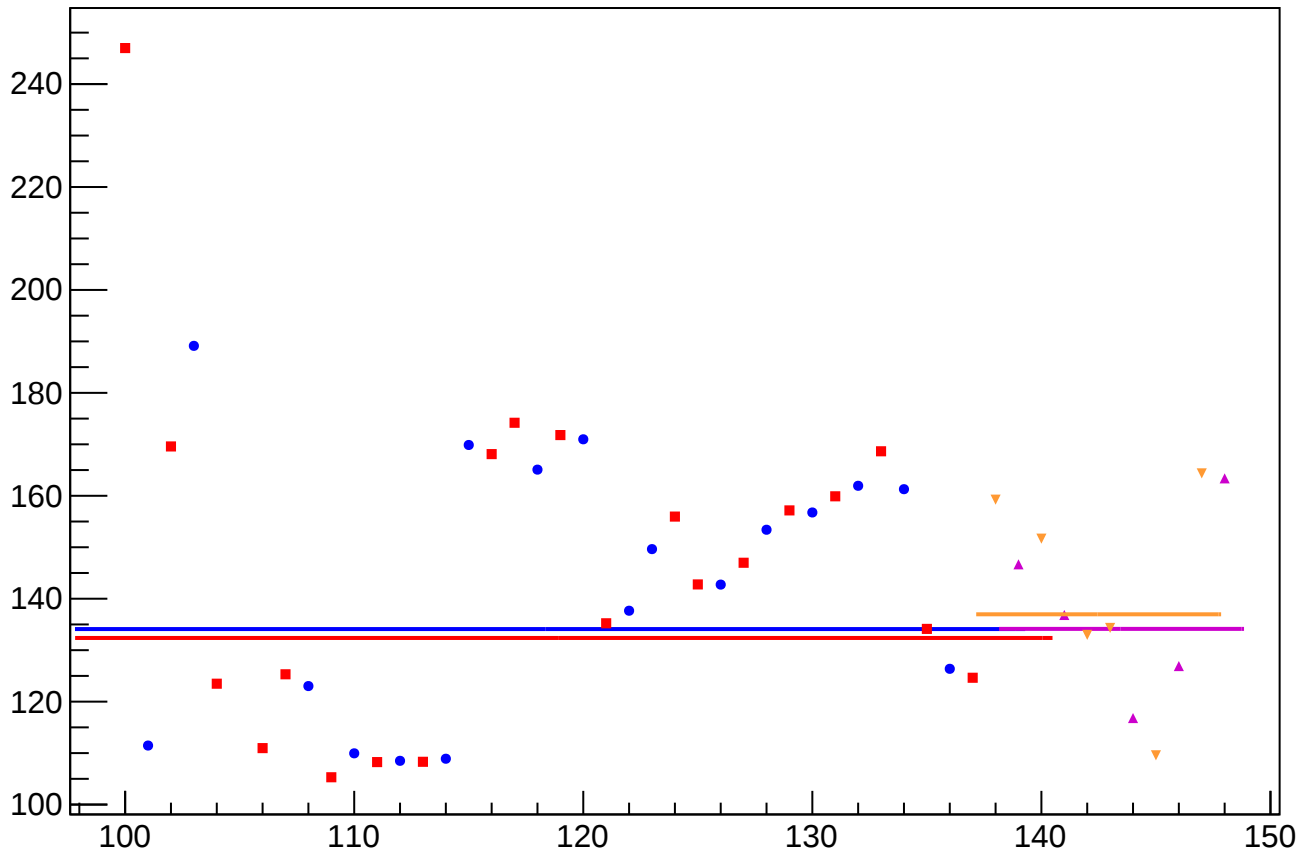
Left In: -9.529 ± 67.377 $\chi^2/\text{NDF}: 2.2/4$

-20.475 ± 41.761 $\chi^2/\text{NDF}: 23.5/22$

6.779 ± 29.083 $\chi^2/\text{NDF}: 43.1/47$

32.446 ± 40.526 $\chi^2/\text{NDF}: 18.8/24$

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103 $\pm$ 0.037 χ^2/NDF : 402581.2/16

Left Out: 136.971 $\pm$ 0.048 χ^2/NDF :183386.3/5

Right Out: 132.373 $\pm$ 0.036 χ^2/NDF : 446741.9/19

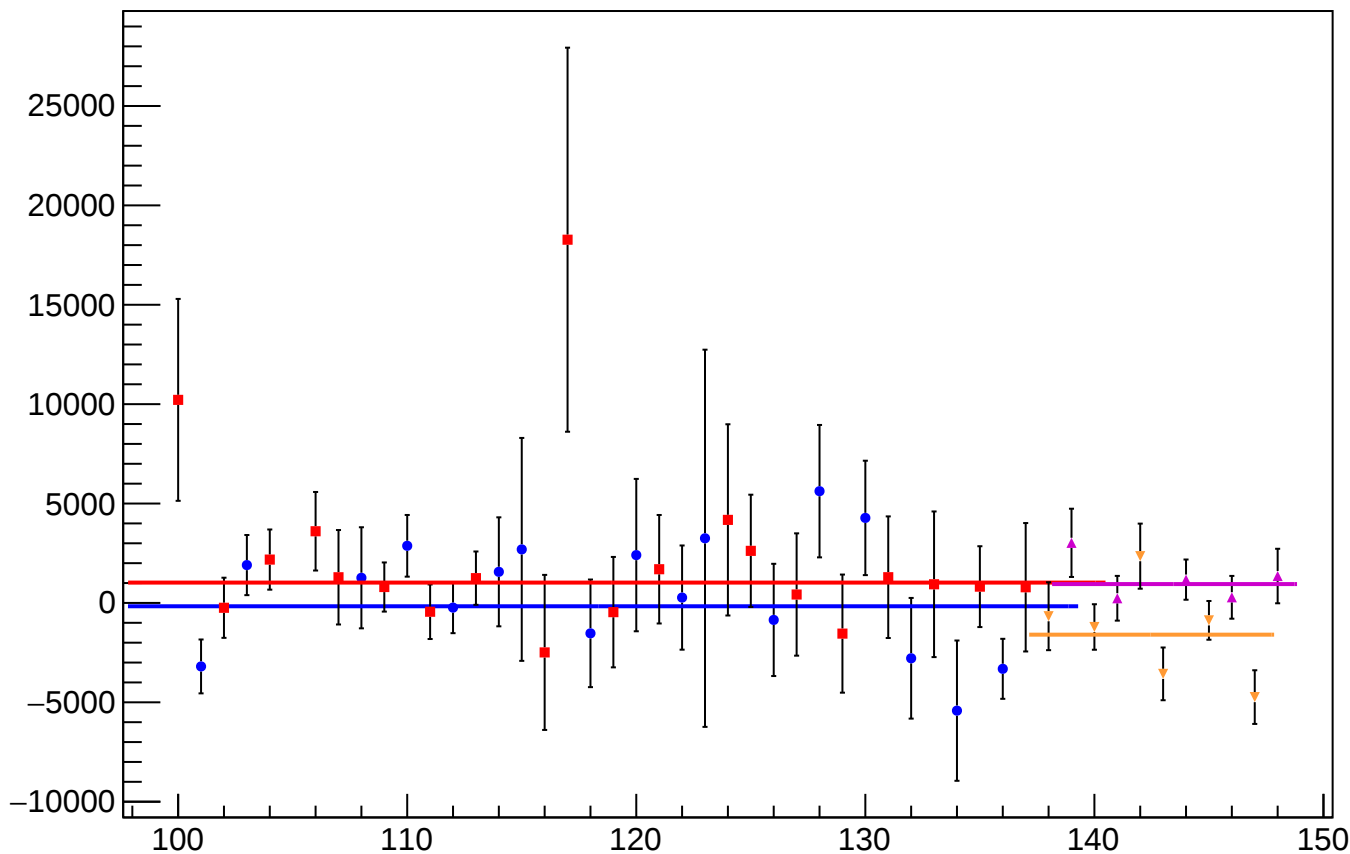
Left In: 134.138 $\pm$ 0.048 χ^2/NDF :105271.2/4

135.185 $\pm$ 0.030 χ^2/NDF : 588183.3/22

134.066 $\pm$ 0.021 χ^2/NDF : 1143863.8/47

133.011 $\pm$ 0.029 χ^2/NDF : 552888.8/24

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -1596.829 ± 523.535 χ^2/NDF : 14.4/5

Right Out: 1023.271 ± 480.373 χ^2/NDF : 13.4/19

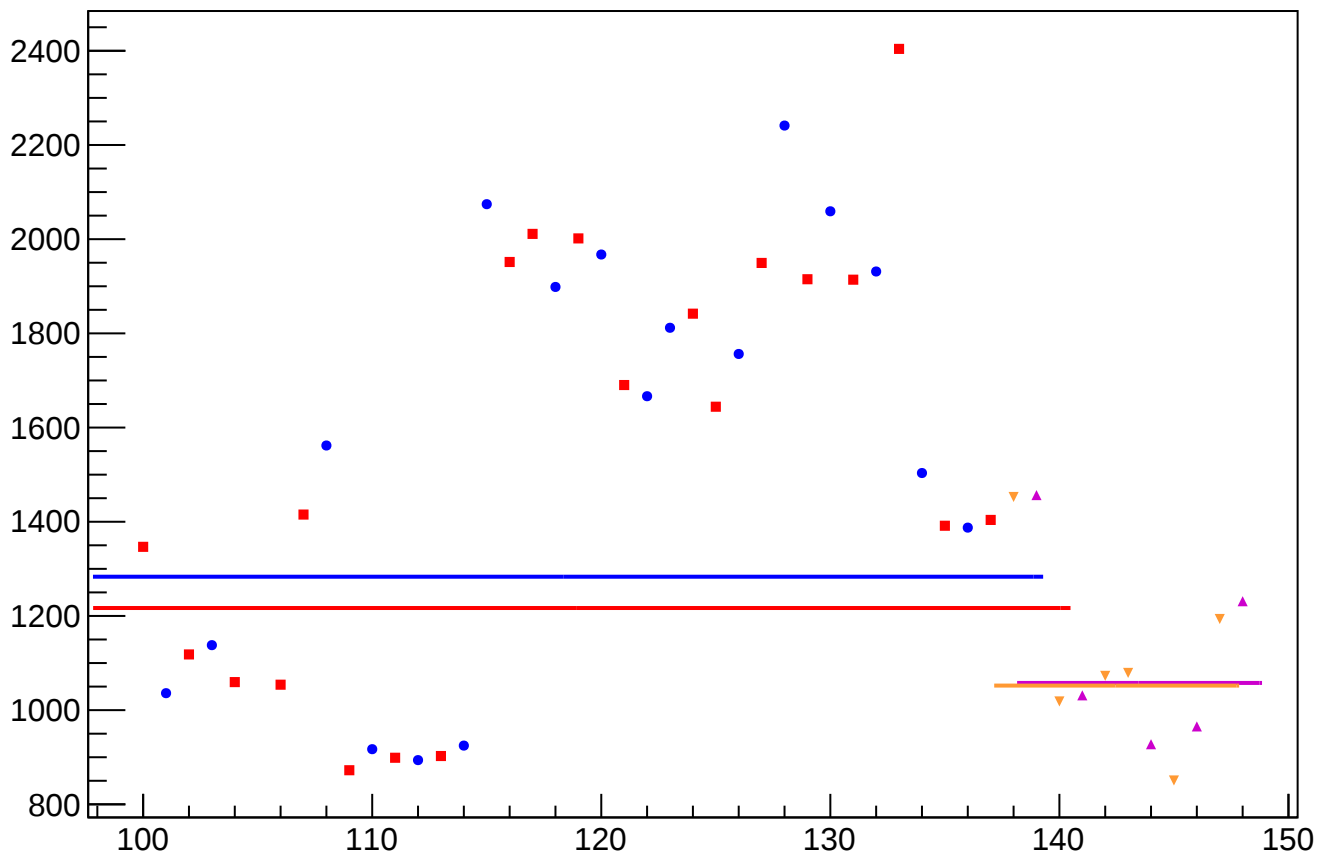
Left In: 948.343 ± 534.477 χ^2/NDF : 2.4/4

-882.721 ± 370.244 χ^2/NDF : 43.4/22

86.899 ± 257.095 χ^2/NDF : 72.5/47

989.790 ± 357.277 χ^2/NDF : 15.8/24

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318 $\pm$ 0.370 χ^2/NDF : 1169431.5/16

Left Out: 1052.150 $\pm$ 0.370 χ^2/NDF : 220180.1/5

Right Out: 1216.852 $\pm$ 0.340 χ^2/NDF : 1374416.0/19

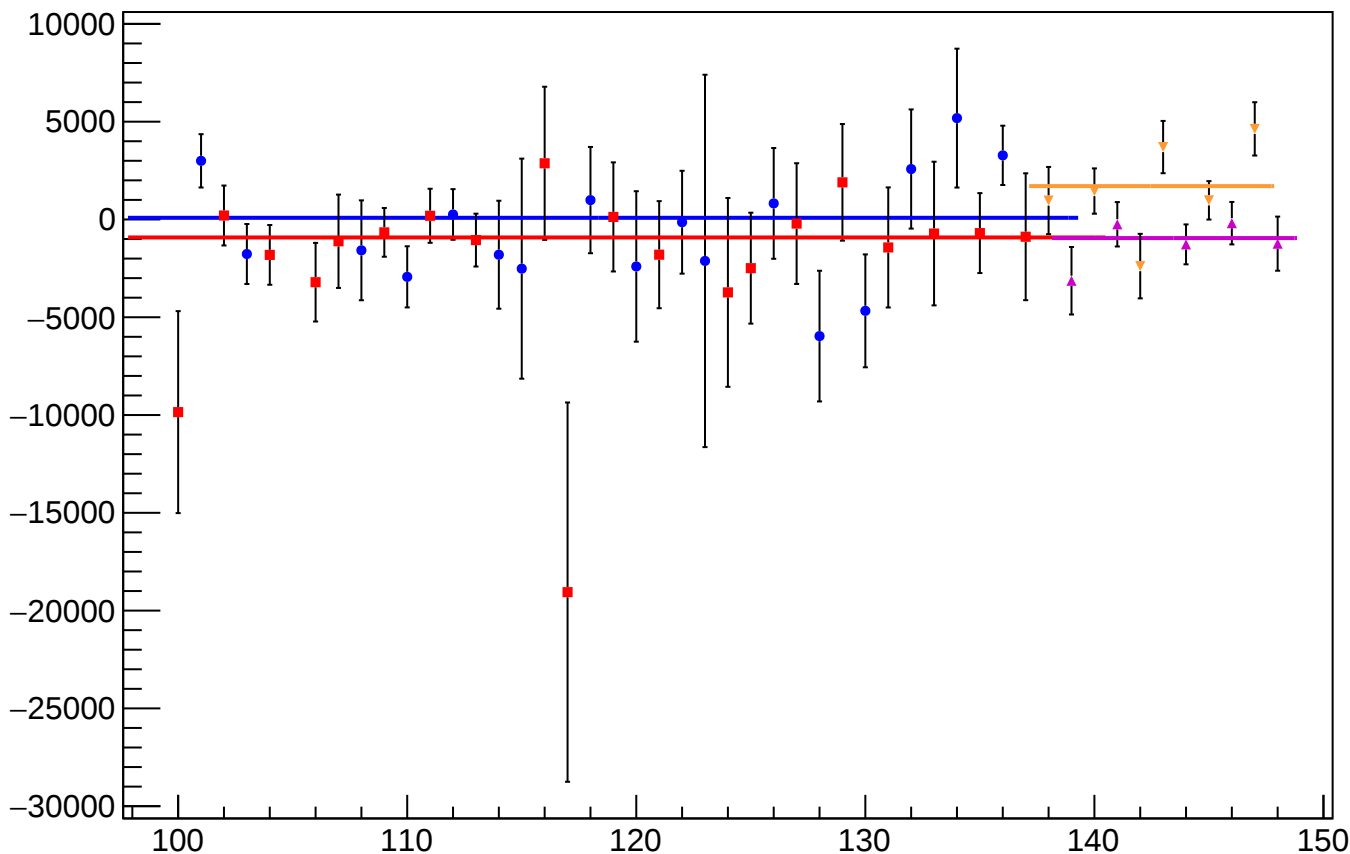
Left In: 1057.757 $\pm$ 0.378 χ^2/NDF : 188836.9/4

1167.703 $\pm$ 0.262 χ^2/NDF : 1584529.3/22

1156.342 $\pm$ 0.182 χ^2/NDF : 3249444.0/47

1145.762 $\pm$ 0.253 χ^2/NDF : 1661277.6/24

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 1704.827 ± 528.158 χ^2/NDF : 13.8/5

Right Out: -919.892 ± 484.043 χ^2/NDF : 12.2/19

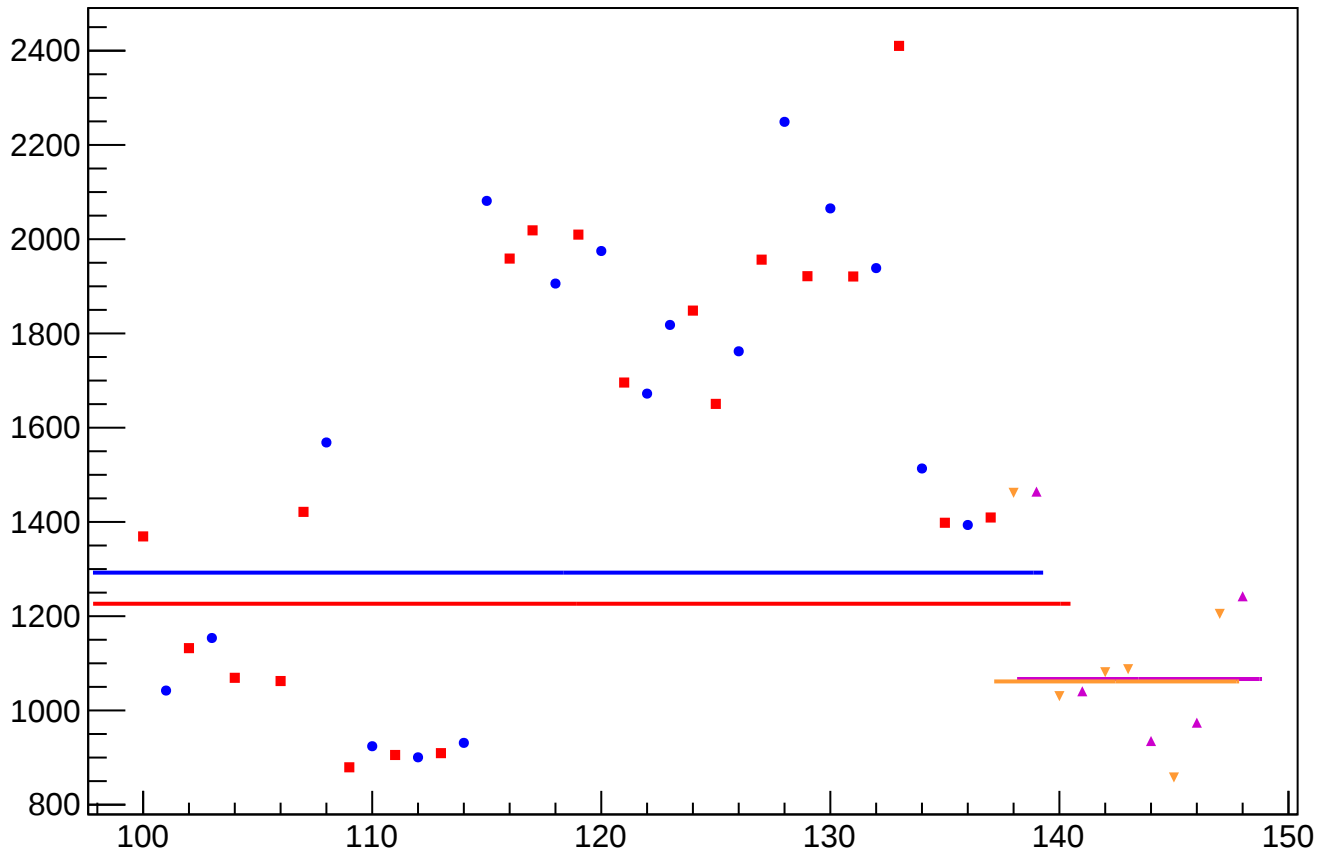
Left In: -951.361 ± 538.918 χ^2/NDF : 2.6/4

893.301 ± 373.083 χ^2/NDF : 43.2/22

-52.636 ± 259.102 χ^2/NDF : 70.4/47

-933.943 ± 360.113 χ^2/NDF : 14.8/24

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2/NDF : 1156576.0/16

Left Out: 1061.557 $\pm$ 0.373 χ^2/NDF : 219030.5/5

Right Out: 1226.408 $\pm$ 0.342 χ^2/NDF : 1359134.9/19

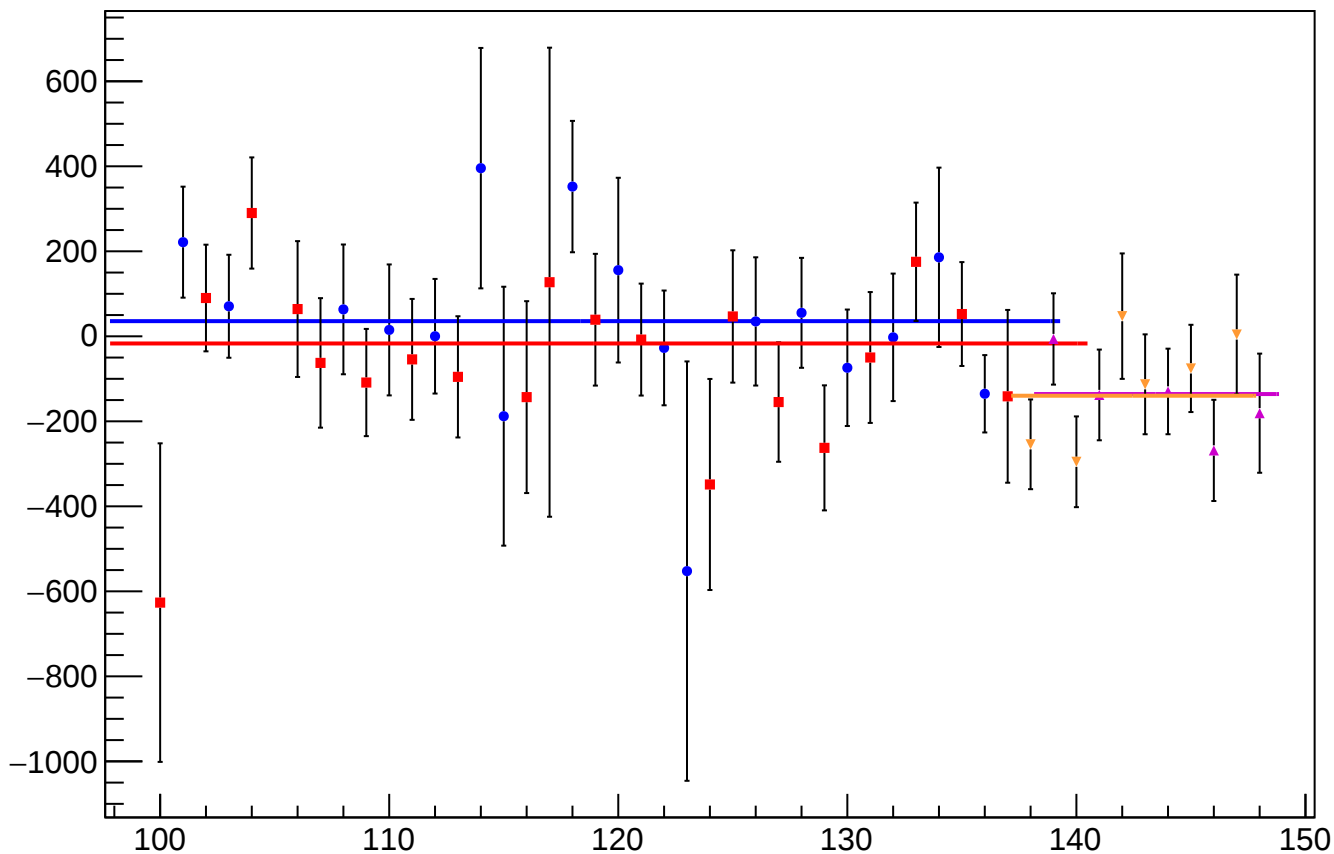
Left In: 1066.706 $\pm$ 0.381 χ^2/NDF : 187268.8/4

1177.226 $\pm$ 0.264 χ^2/NDF : 1567071.0/22

1165.772 $\pm$ 0.183 χ^2/NDF : 3214327.7/47

1155.100 $\pm$ 0.255 χ^2/NDF : 1643614.8/24

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -139.802 ± 47.616 $\chi^2/\text{NDF}: 6.4/5$

Right Out: -16.849 ± 34.623 $\chi^2/\text{NDF}: 19.0/19$

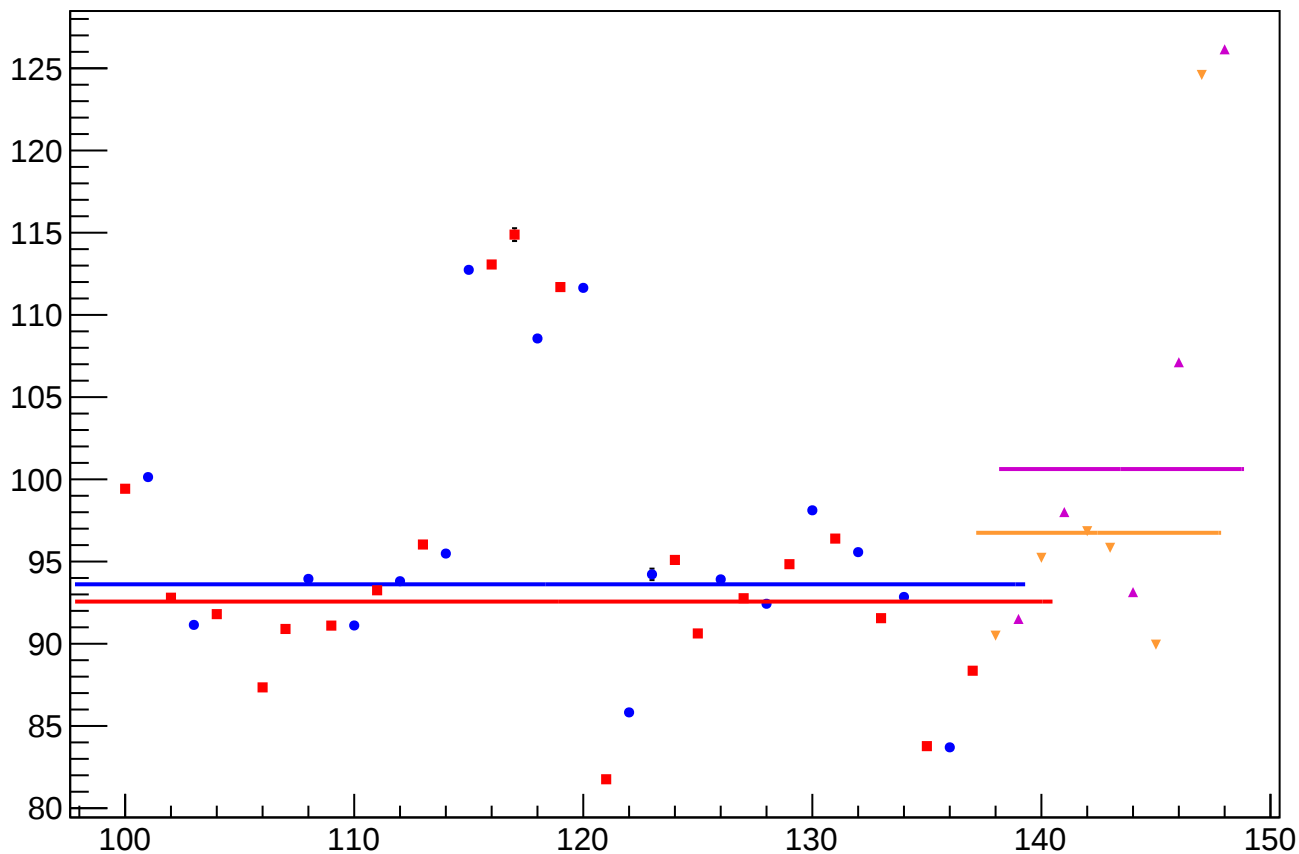
Left In: -135.854 ± 50.338 $\chi^2/\text{NDF}: 2.8/4$

-28.934 ± 28.893 $\chi^2/\text{NDF}: 30.3/22$

-42.168 ± 20.300 $\chi^2/\text{NDF}: 56.3/47$

-55.067 ± 28.526 $\chi^2/\text{NDF}: 25.6/24$

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: 96.749 $\pm$ 0.034 χ^2 /NDF: 94441.1/5

Right Out: 92.565 $\pm$ 0.024 χ^2 /NDF: 81875.5/19

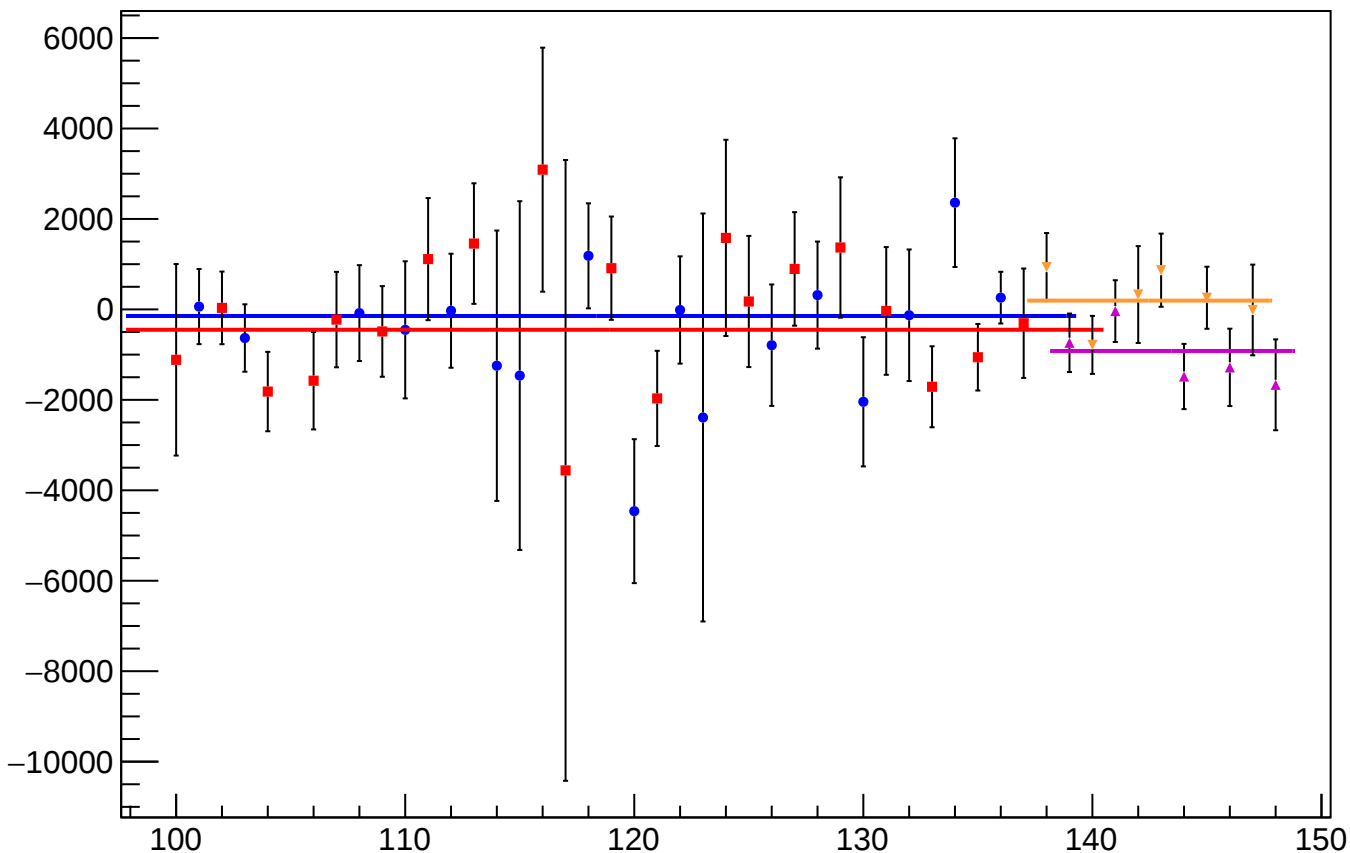
Left In: 100.625 $\pm$ 0.036 χ^2 /NDF: 98966.3/4

94.769 $\pm$ 0.020 χ^2 /NDF: 179839.6/22

94.964 $\pm$ 0.014 χ^2 /NDF: 395670.0/47

95.154 $\pm$ 0.020 χ^2 /NDF: 215651.2/24

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 $\pm$ 276.629 χ^2/NDF : 15.5/16

Left Out: 194.719 $\pm$ 320.791 χ^2/NDF : 4.1/5

Right Out: -450.047 $\pm$ 260.089 χ^2/NDF : 19.2/19

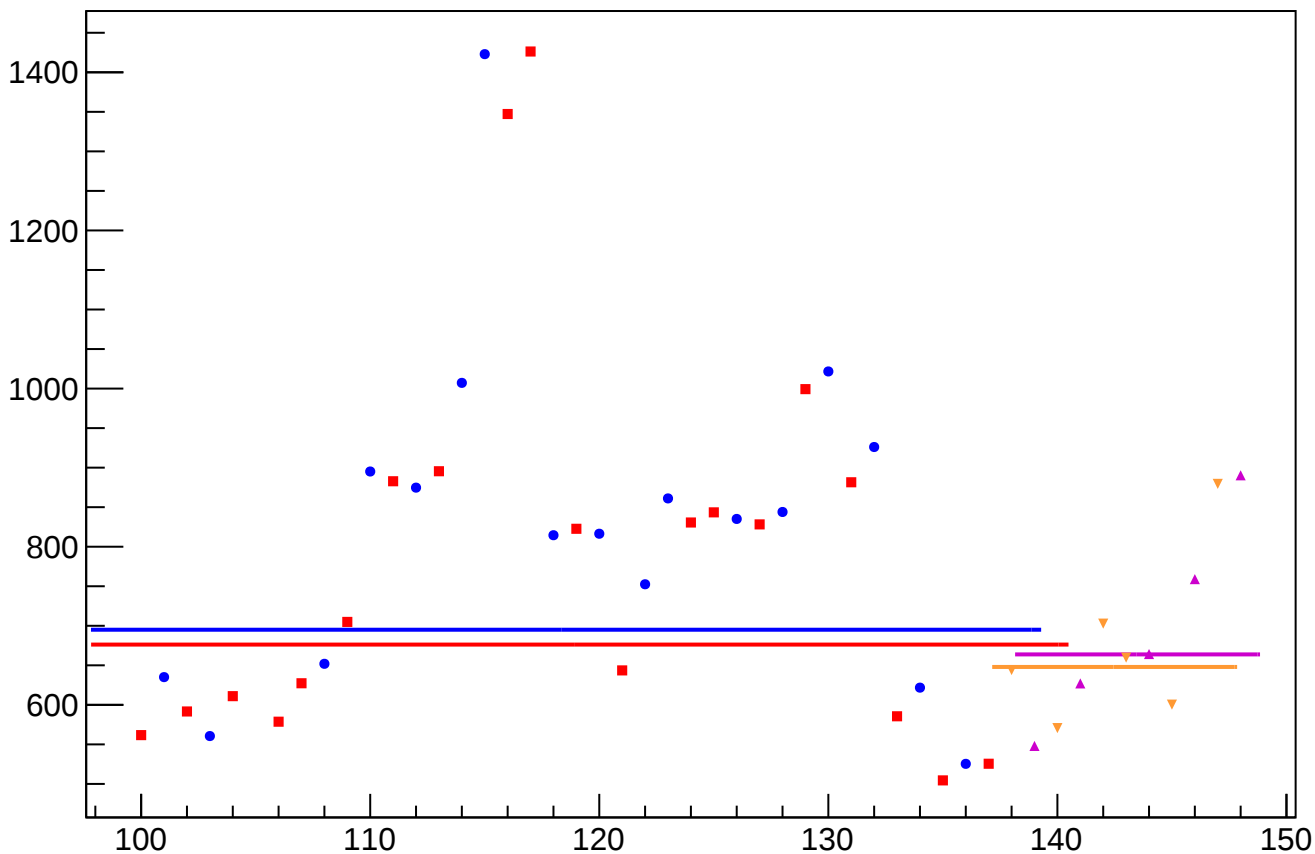
Left In: -919.301 $\pm$ 336.777 χ^2/NDF : 3.1/4

-0.383 $\pm$ 209.494 χ^2/NDF : 20.2/22

-318.358 $\pm$ 146.829 χ^2/NDF : 48.2/47

-625.361 $\pm$ 205.848 χ^2/NDF : 23.5/24

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: 647.939 $\pm$ 0.227 χ^2 /NDF: 151101.7/5

Right Out: 676.229 $\pm$ 0.184 χ^2 /NDF: 700313.6/19

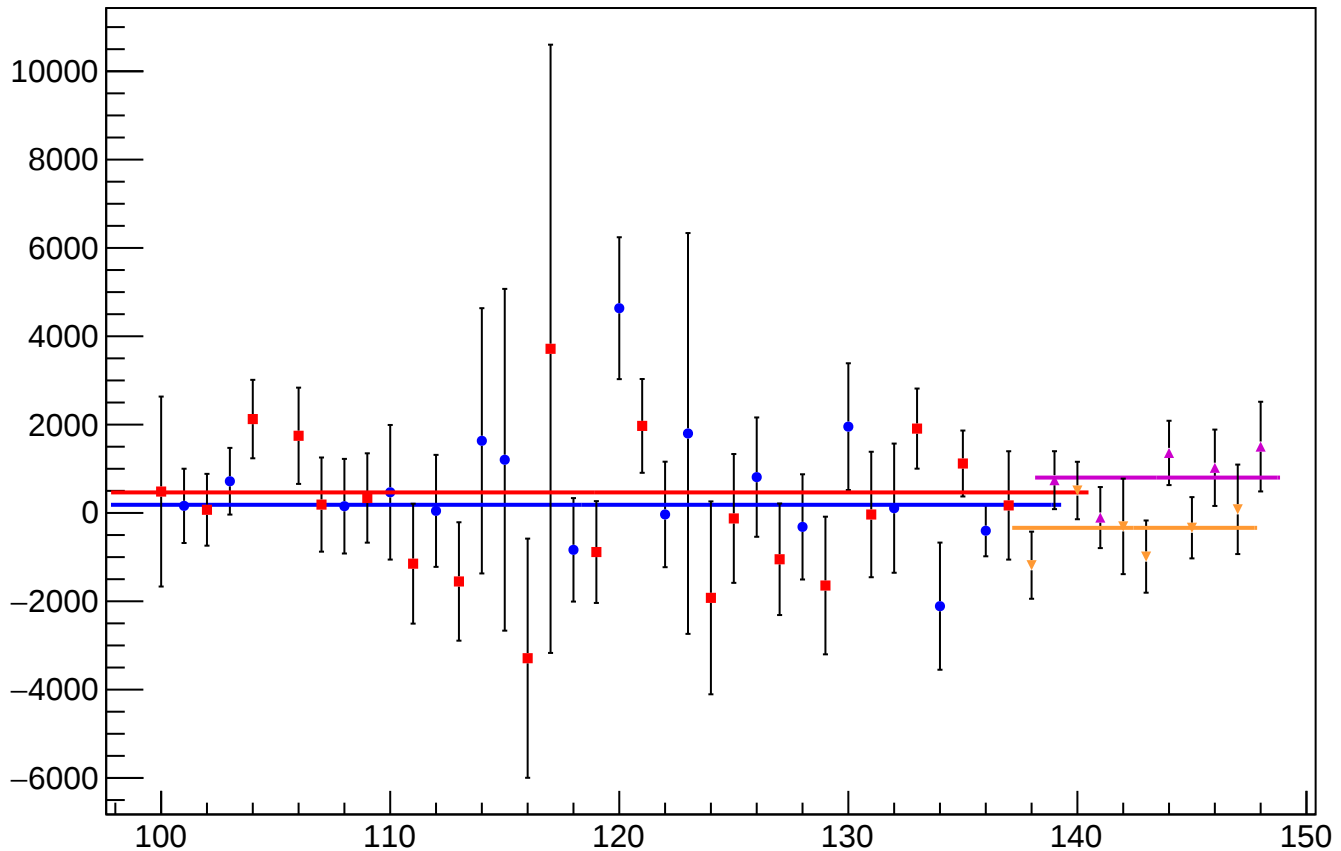
Left In: 663.807 $\pm$ 0.238 χ^2 /NDF: 196281.9/4

674.937 $\pm$ 0.148 χ^2 /NDF: 853515.2/22

673.233 $\pm$ 0.104 χ^2 /NDF: 1752075.4/47

671.588 $\pm$ 0.146 χ^2 /NDF: 898300.2/24

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -337.228 $\pm$ 324.435 χ^2 /NDF: 3.7/5

Right Out: 464.916 $\pm$ 262.768 χ^2 /NDF: 22.5/19

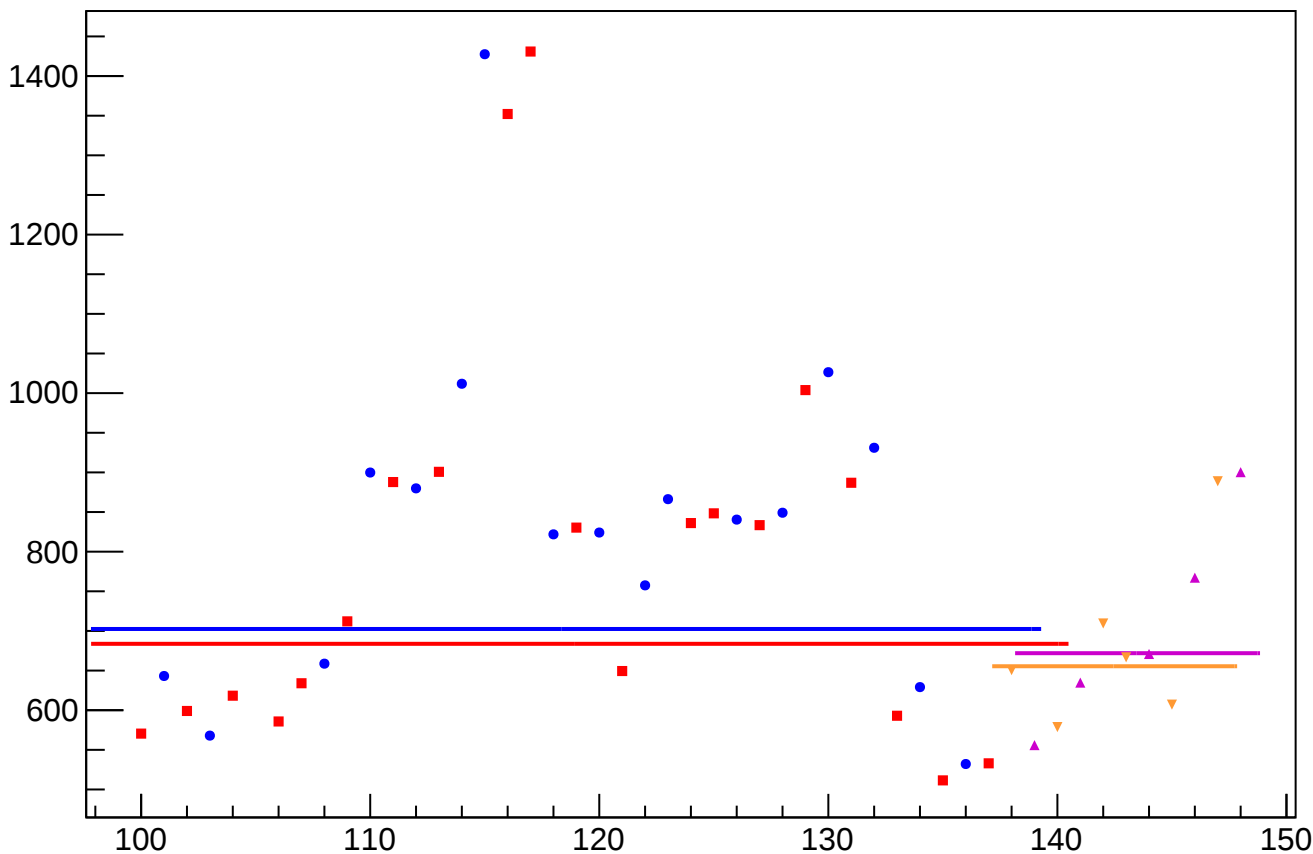
Left In: 800.638 $\pm$ 340.751 χ^2 /NDF: 2.9/4

-37.648 $\pm$ 211.708 χ^2 /NDF: 20.2/22

281.650 $\pm$ 148.402 χ^2 /NDF: 50.6/47

590.110 $\pm$ 208.084 χ^2 /NDF: 26.0/24

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 +/- 0.198 χ^2/NDF : 660525.4/16

Left Out: 655.448 +/- 0.229 χ^2/NDF : 149186.6/5

Right Out: 683.751 +/- 0.186 χ^2/NDF : 683105.3/19

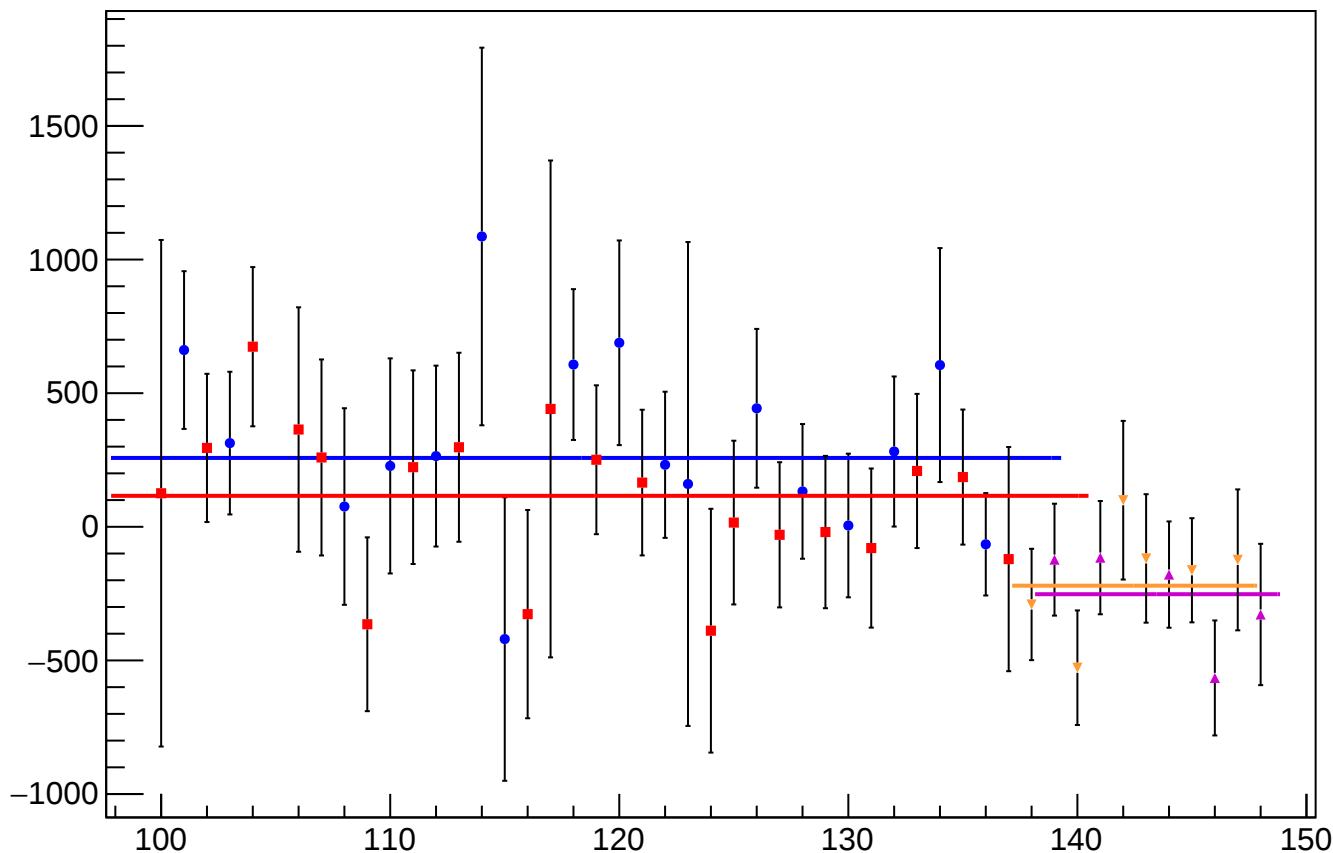
Left In: 671.928 +/- 0.241 χ^2/NDF : 193759.0/4

682.447 +/- 0.150 χ^2/NDF : 833833.4/22

680.868 +/- 0.105 χ^2/NDF : 1712426.4/47

679.342 +/- 0.147 χ^2/NDF : 878374.3/24

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: -220.307 $\pm$ 93.586 χ^2 /NDF: 3.7/5

Right Out: 115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

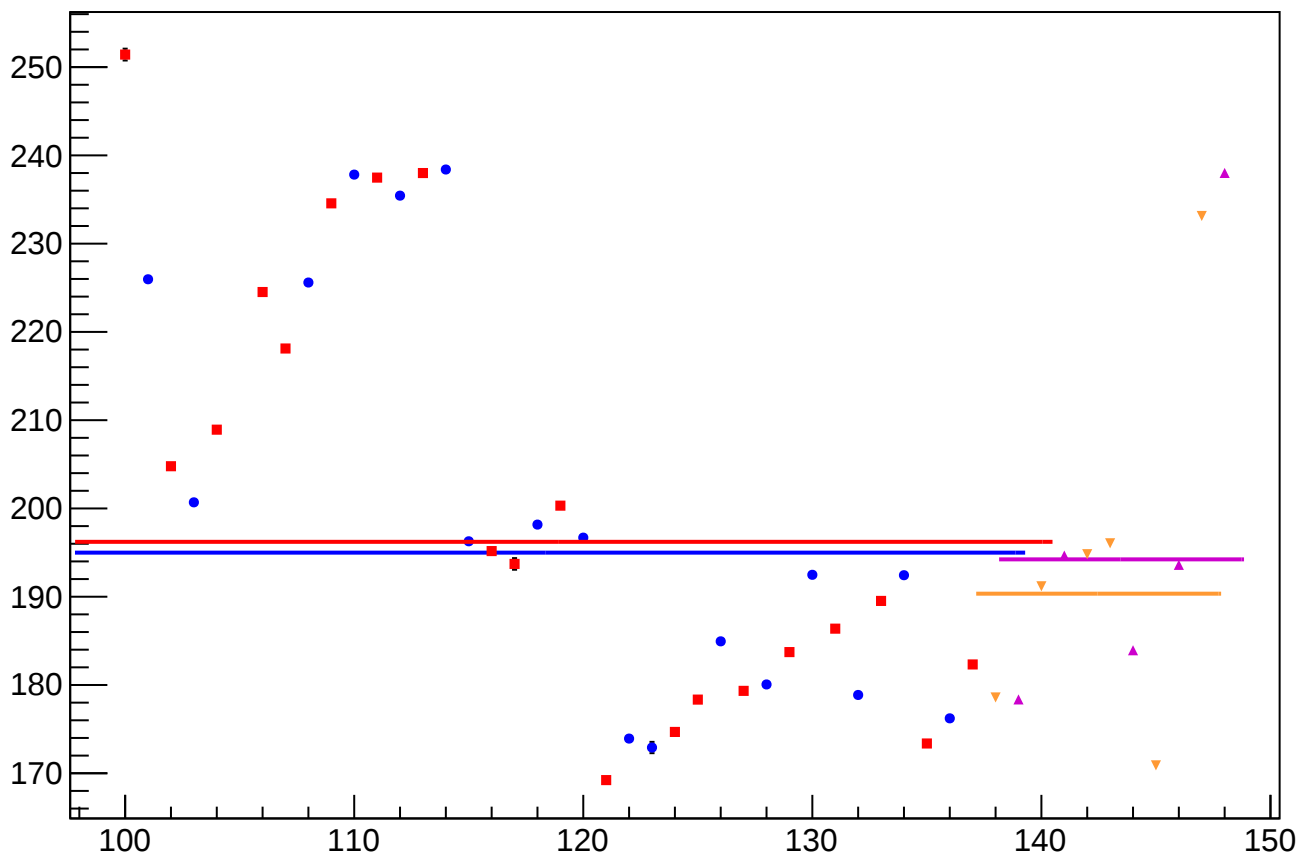
Left In: -252.239 $\pm$ 97.005 χ^2 /NDF: 3.1/4

67.959 $\pm$ 58.964 χ^2 /NDF: 32.5/22

24.147 $\pm$ 41.644 χ^2 /NDF: 57.2/47

-19.455 $\pm$ 58.823 χ^2 /NDF: 23.6/24

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: 190.345 $\pm$ 0.066 χ^2/NDF : 80561.5/5

Right Out: 196.219 $\pm$ 0.052 χ^2/NDF : 173506.2/19

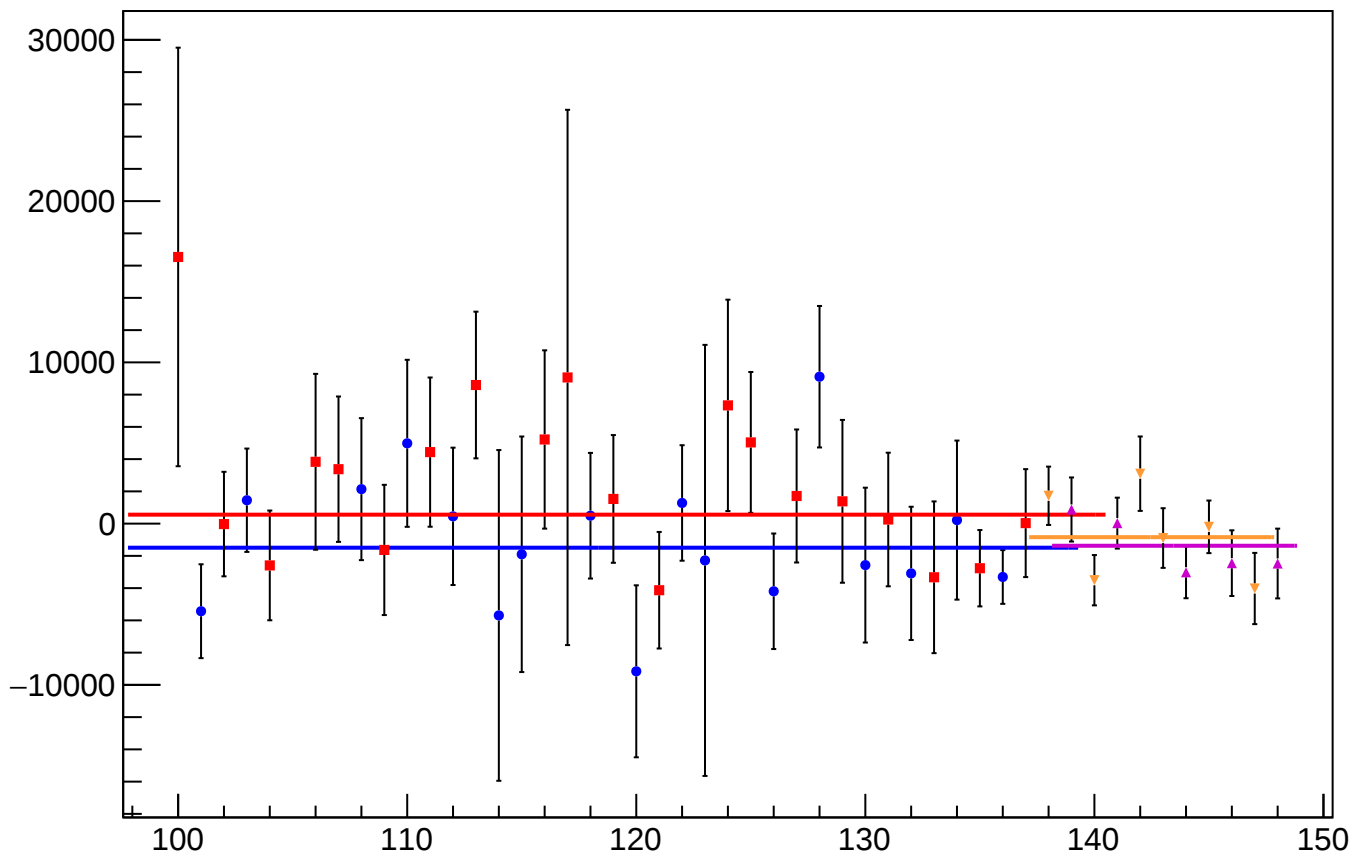
Left In: 194.232 $\pm$ 0.069 χ^2/NDF : 71700.8/4

193.149 $\pm$ 0.042 χ^2/NDF : 227809.6/22

194.321 $\pm$ 0.029 χ^2/NDF : 475125.5/47

195.488 $\pm$ 0.042 χ^2/NDF : 245737.8/24

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280+/-910.834 χ^2/NDF : 16.1/16

Left Out: -839.987+/-750.030 χ^2/NDF : 10.1/5

Right Out: 555.744+/-933.239 χ^2/NDF : 14.9/19

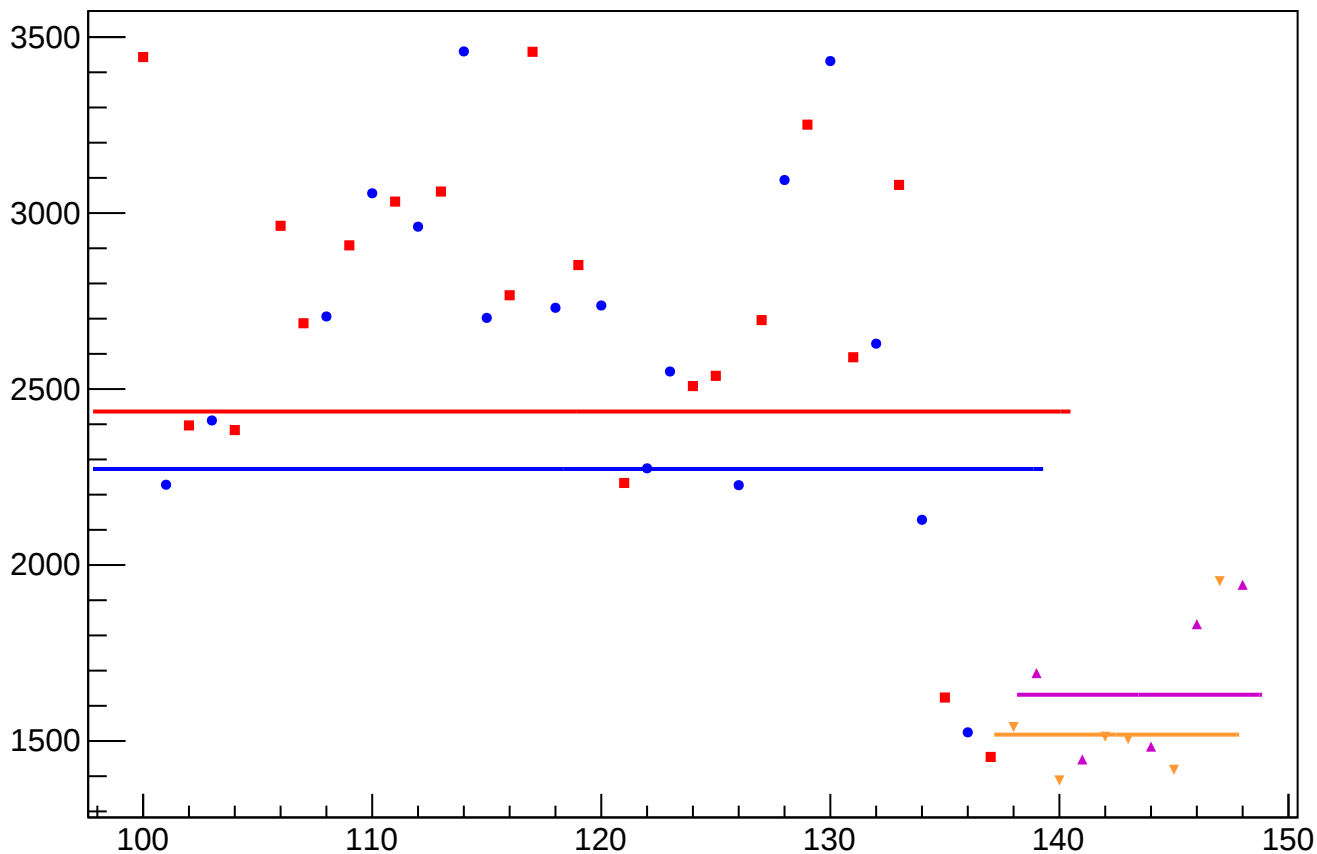
Left In: -1371.985+/-817.771 χ^2/NDF : 3.7/4

-1103.970+/-578.992 χ^2/NDF : 26.5/22

-836.505+/-421.580 χ^2/NDF : 48.0/47

-534.691+/-615.048 χ^2/NDF : 21.0/24

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883 $\pm$ 0.644 χ^2 /NDF: 805650.3/16

Left Out: 1518.121 $\pm$ 0.530 χ^2 /NDF: 99708.9/5

Right Out: 2436.191 $\pm$ 0.660 χ^2 /NDF: 688391.3/19

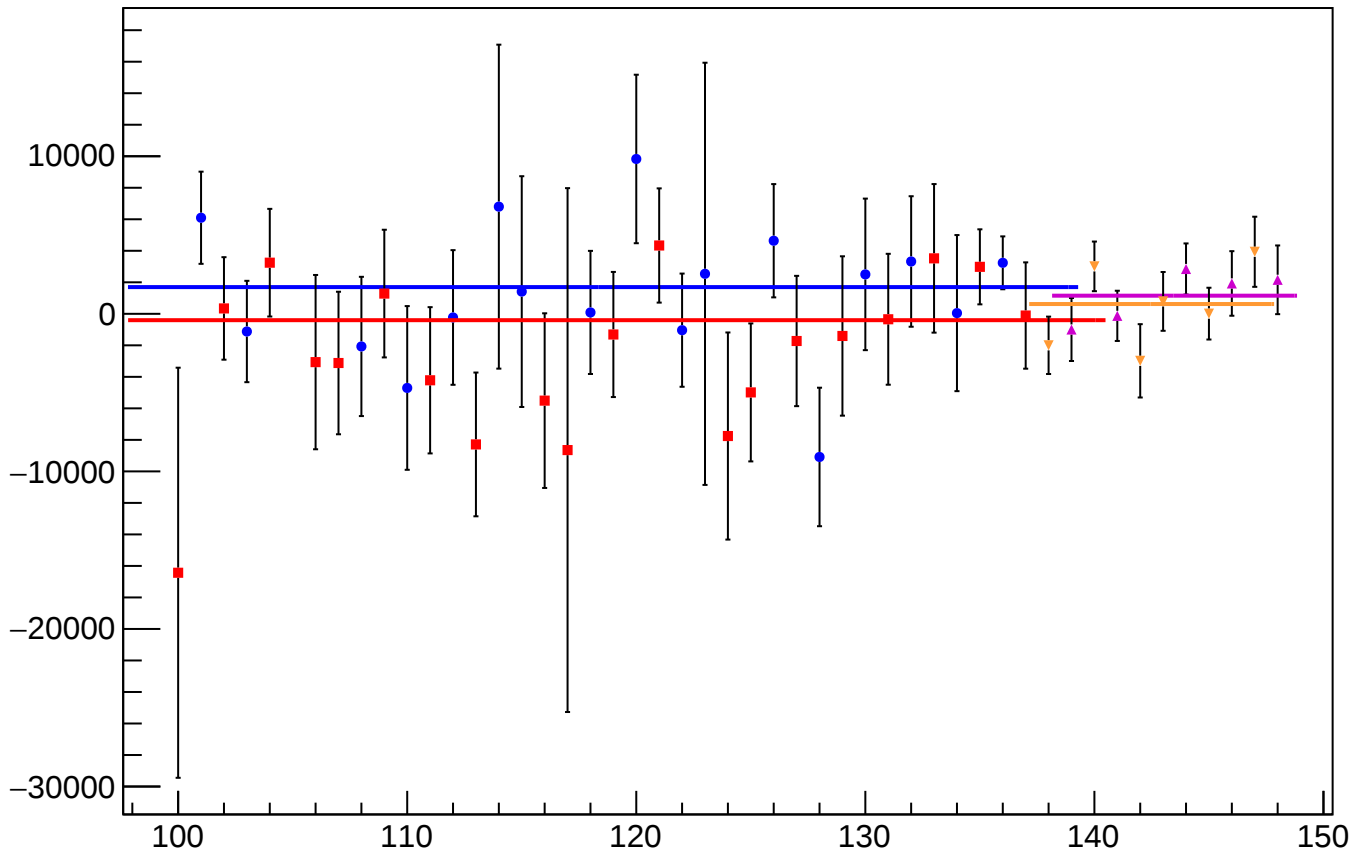
Left In: 1631.477 $\pm$ 0.578 χ^2 /NDF: 106907.6/4

1823.106 $\pm$ 0.409 χ^2 /NDF: 1723748.2/22

1897.288 $\pm$ 0.298 χ^2 /NDF: 3430092.0/47

1980.998 $\pm$ 0.435 χ^2 /NDF: 1636464.2/24

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2/NDF : 16.6/16

Left Out: 621.218 $\pm$ 756.118 χ^2/NDF : 9.1/5

Right Out: -403.904 $\pm$ 937.036 χ^2/NDF : 15.2/19

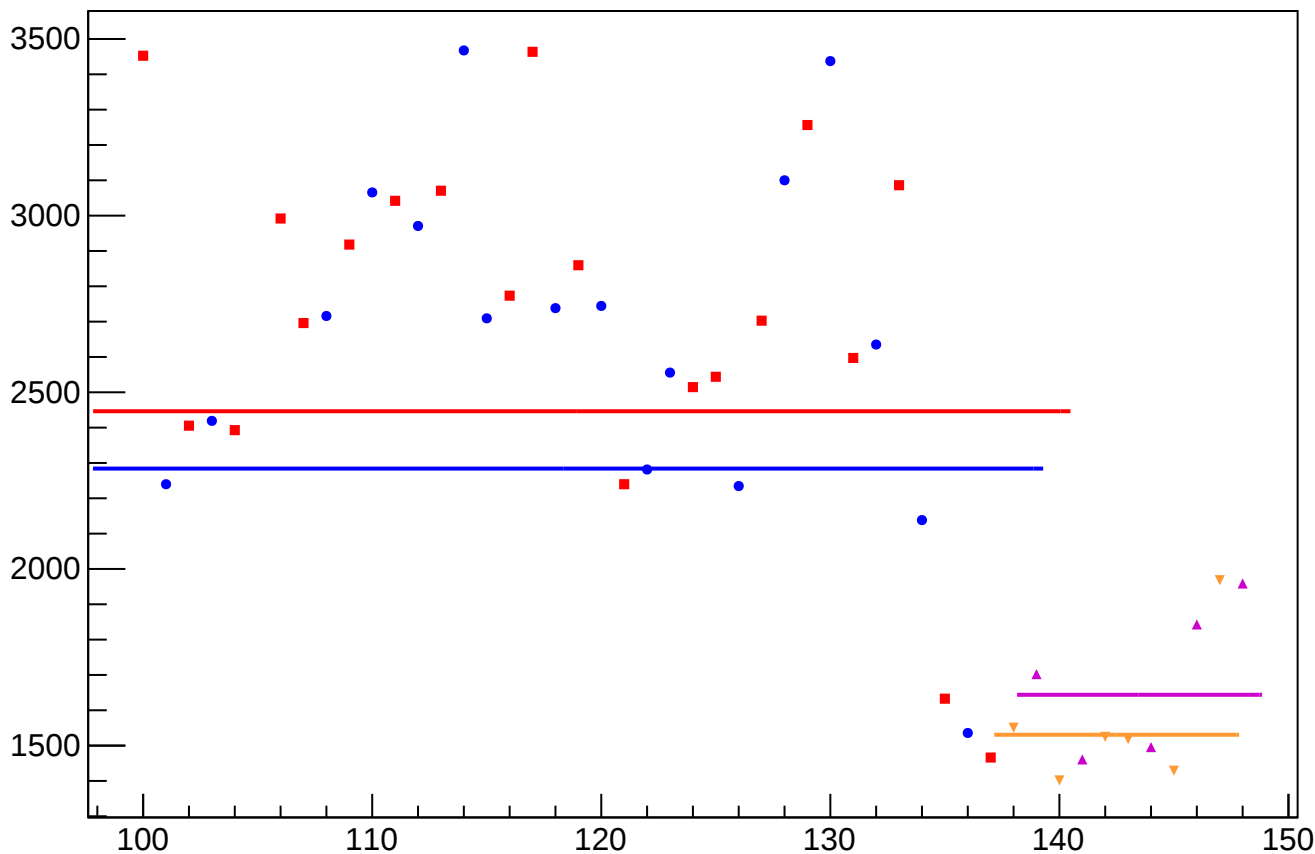
Left In: 1151.229 $\pm$ 823.848 χ^2/NDF : 3.2/4

1057.403 $\pm$ 582.823 χ^2/NDF : 26.6/22

782.744 $\pm$ 424.240 χ^2/NDF : 47.1/47

473.213 $\pm$ 618.717 χ^2/NDF : 20.0/24

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1530.694+/-0.535 χ^2/NDF : 98765.0/5

Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

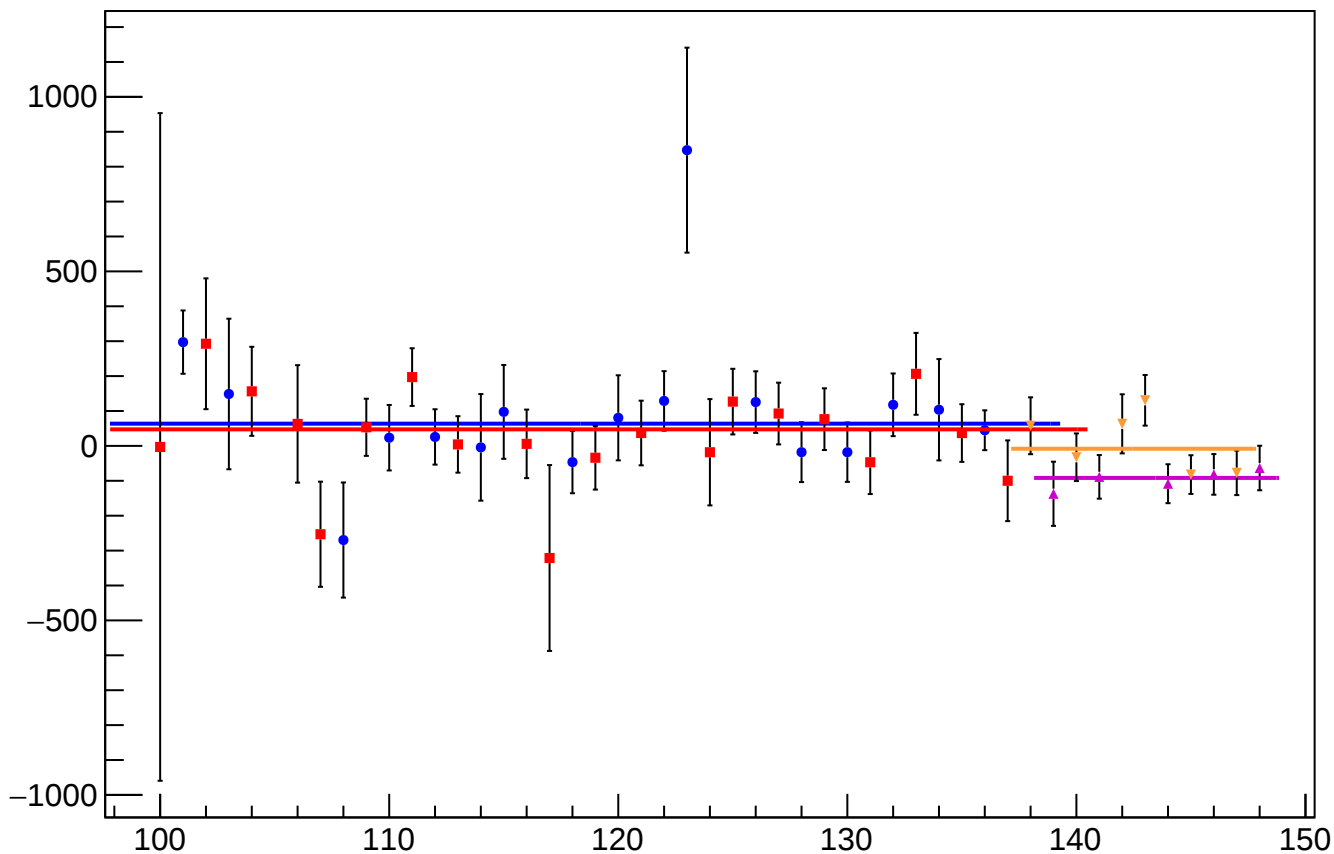
Left In: 1643.861+/-0.583 χ^2/NDF : 105393.3/4

1836.467+/-0.412 χ^2/NDF : 1698659.0/22

1910.410+/-0.300 χ^2/NDF : 3380314.8/47

1993.742+/-0.437 χ^2/NDF : 1613184.1/24

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 $\pm$ 23.743 χ^2 /NDF: 23.7/16

Left Out: -8.157 $\pm$ 28.101 χ^2 /NDF: 8.1/5

Right Out: 47.367 $\pm$ 23.568 χ^2 /NDF: 18.7/19

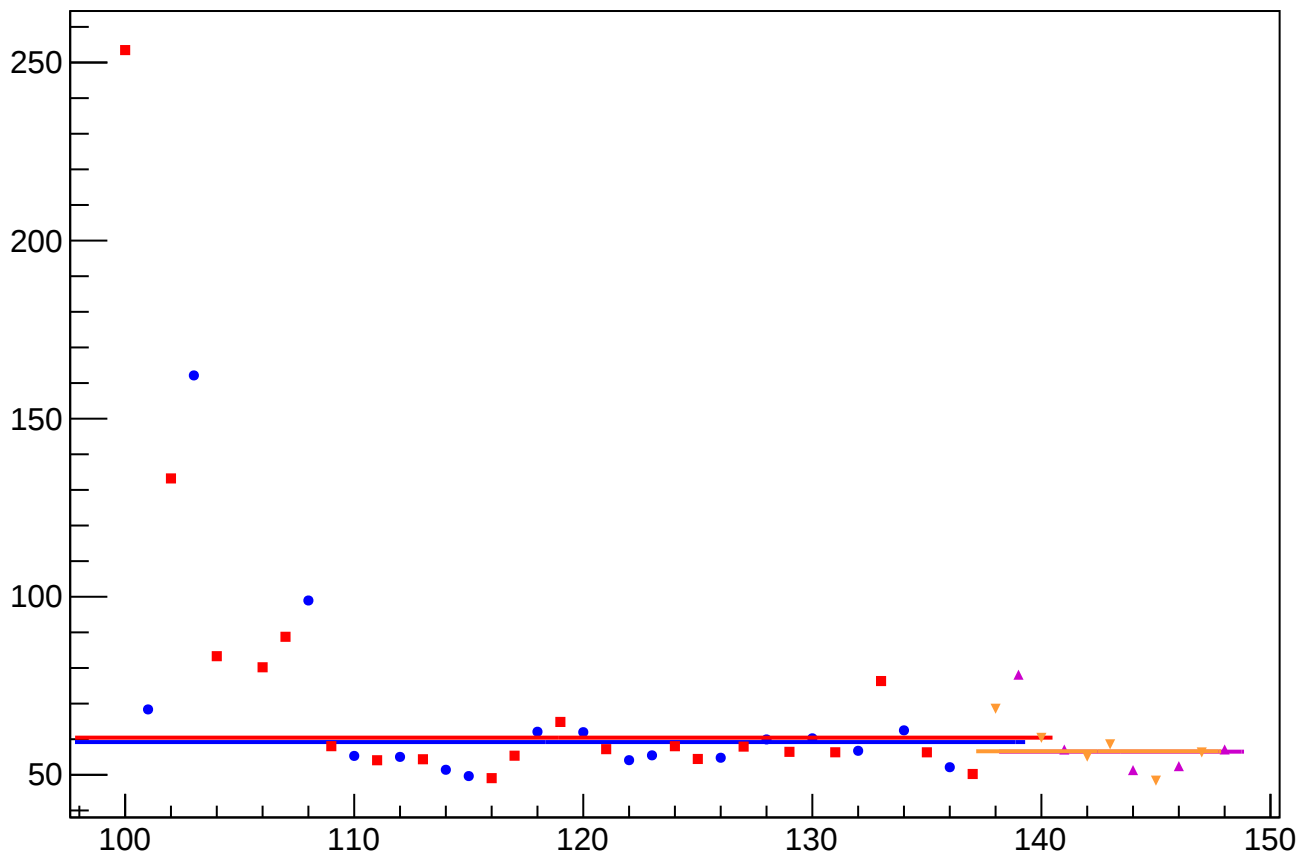
Left In: -91.750 $\pm$ 28.436 χ^2 /NDF: 0.6/4

33.750 $\pm$ 18.136 χ^2 /NDF: 35.6/22

12.245 $\pm$ 12.827 χ^2 /NDF: 71.9/47

-9.283 $\pm$ 18.146 χ^2 /NDF: 33.5/24

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 56.618+/-0.020 χ^2/NDF : 95499.9/5

Right Out: 60.443+/-0.017 χ^2/NDF : 680790.3/19

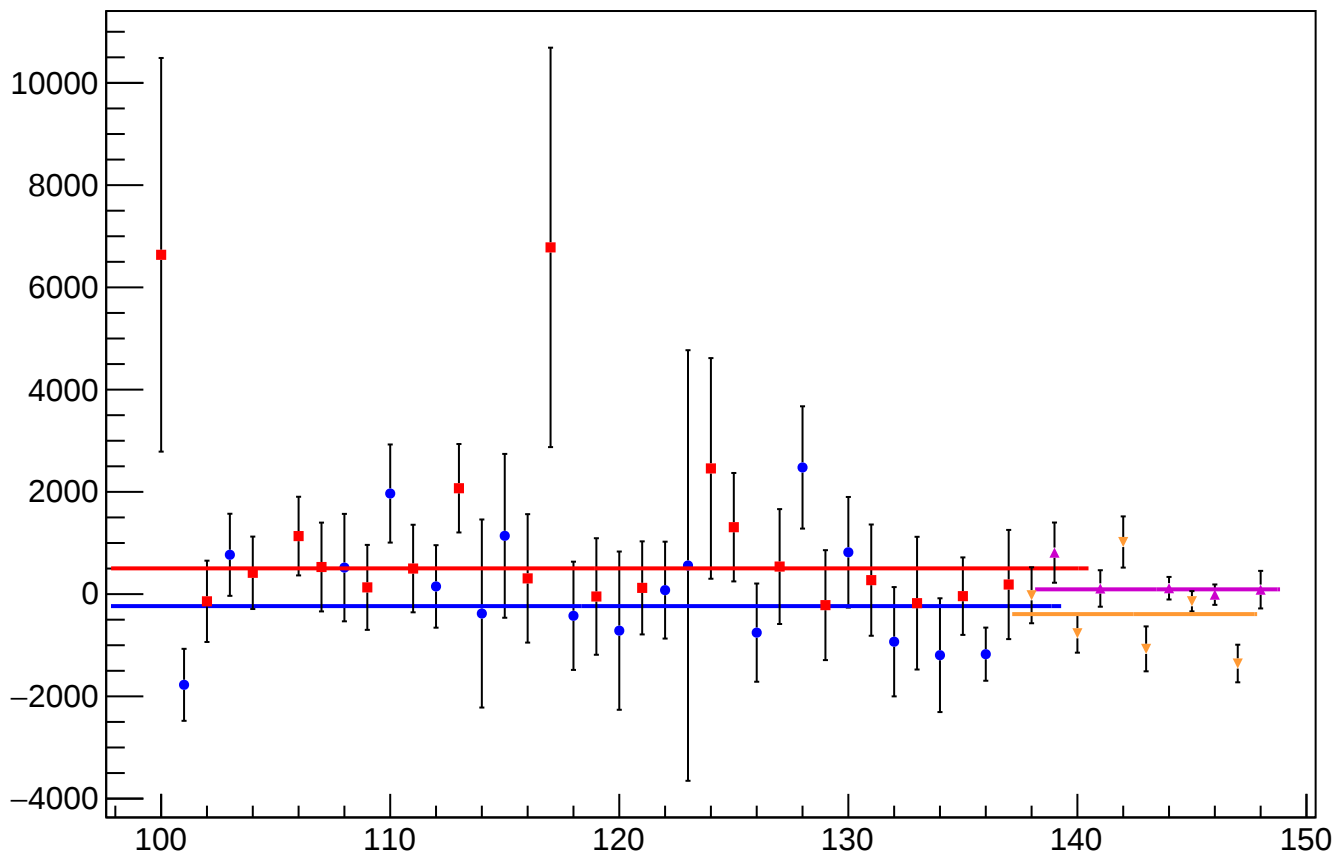
Left In: 56.507+/-0.020 χ^2/NDF : 137899.5/4

58.125+/-0.013 χ^2/NDF : 770830.2/22

58.482+/-0.009 χ^2/NDF : 1613791.0/47

58.840+/-0.013 χ^2/NDF : 841404.3/24

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 $\chi^2/\text{NDF}: 24.2/16$

Left Out: -390.922 ± 138.177 $\chi^2/\text{NDF}: 20.3/5$

Right Out: 503.638 ± 221.955 $\chi^2/\text{NDF}: 13.2/19$

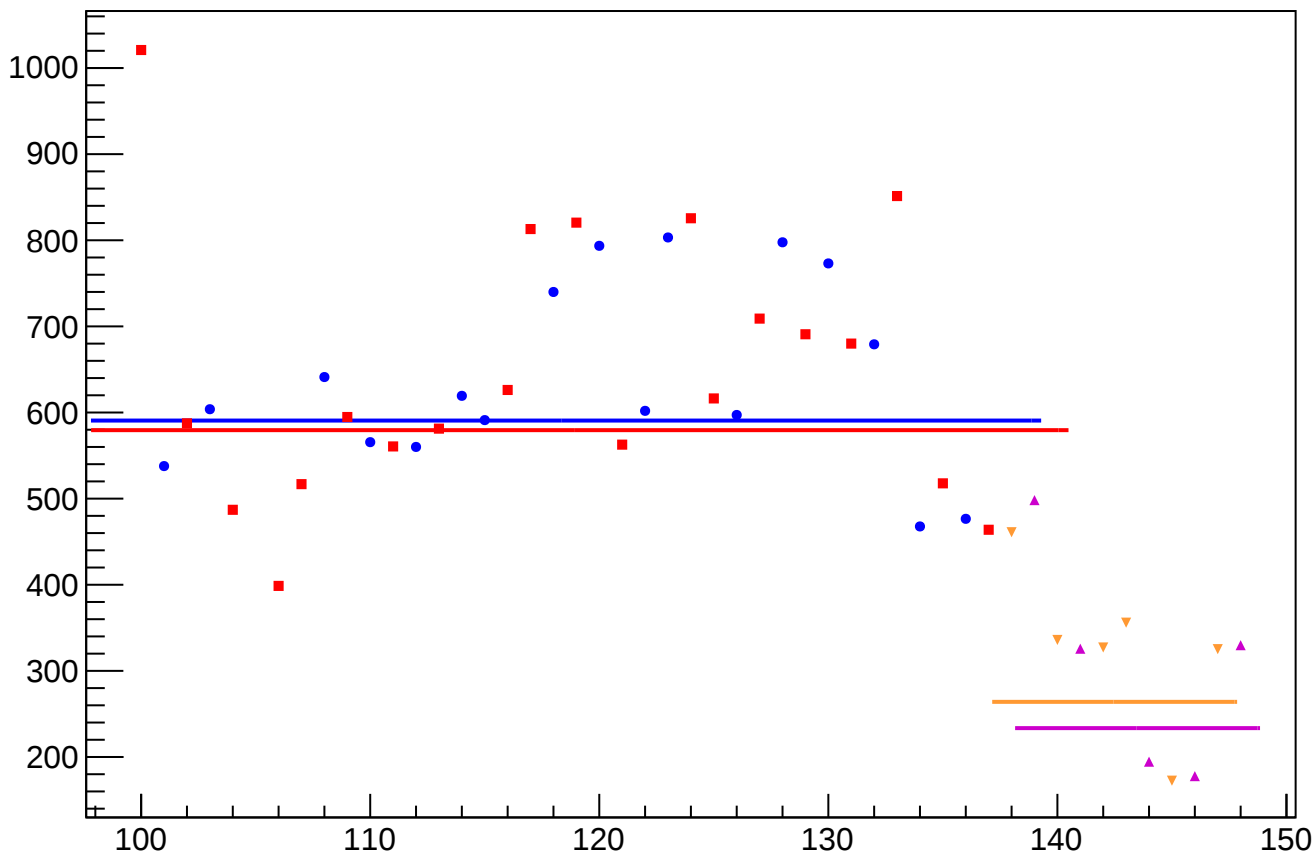
Left In: 93.457 ± 125.193 $\chi^2/\text{NDF}: 1.8/4$

-350.447 ± 118.966 $\chi^2/\text{NDF}: 44.8/22$

-55.411 ± 80.385 $\chi^2/\text{NDF}: 73.6/47$

192.459 ± 109.043 $\chi^2/\text{NDF}: 17.5/24$

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 264.036 $\pm$ 0.098 χ^2 /NDF: 933237.9/5

Right Out: 579.509 $\pm$ 0.157 χ^2 /NDF: 501132.1/19

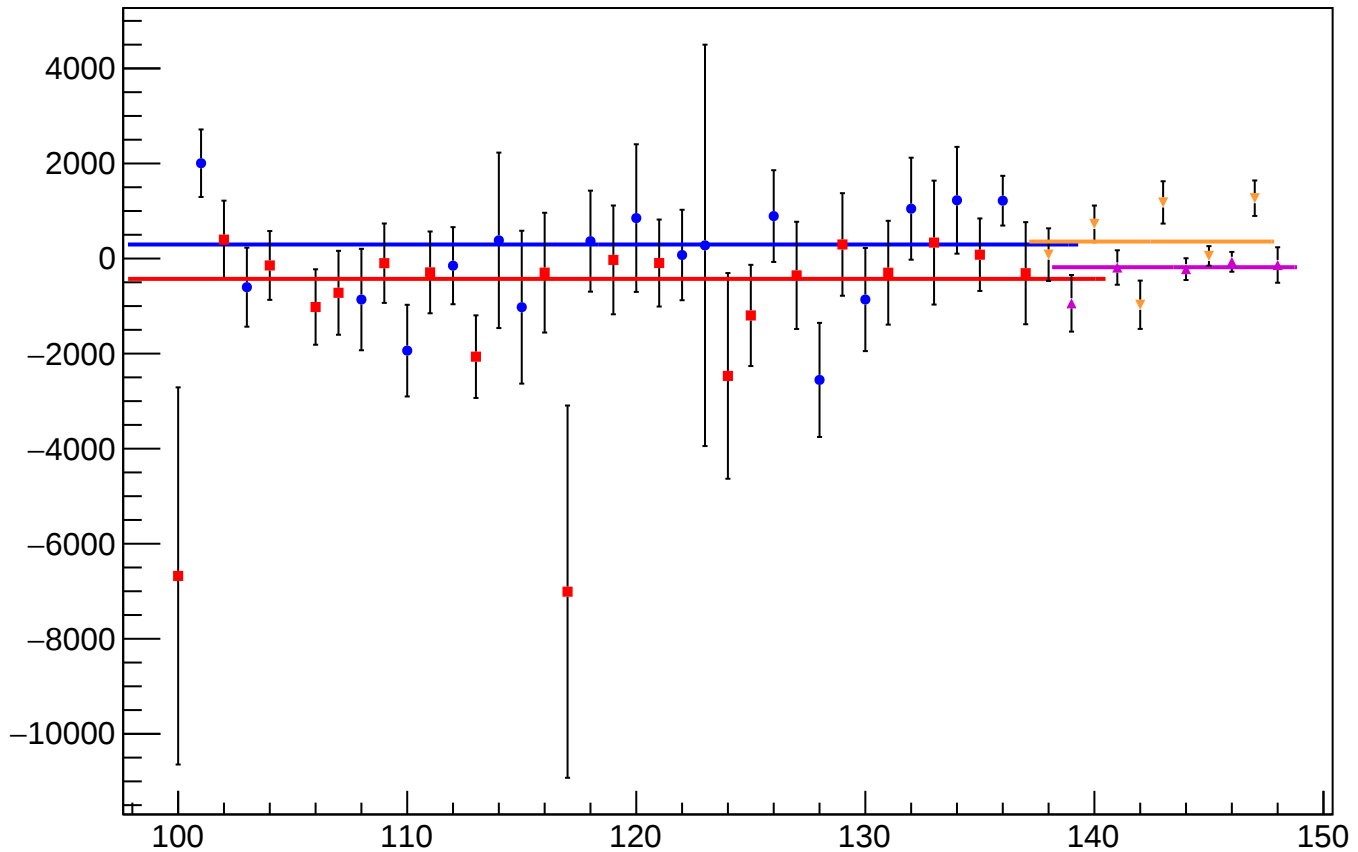
Left In: 233.521 $\pm$ 0.089 χ^2 /NDF: 893935.2/4

348.546 $\pm$ 0.084 χ^2 /NDF: 4176731.1/22

331.418 $\pm$ 0.057 χ^2 /NDF: 9334954.1/47

317.029 $\pm$ 0.077 χ^2 /NDF: 5081942.2/24

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 ± 235.860 $\chi^2/\text{NDF}: 26.1/16$

Left Out: 357.459 ± 141.823 $\chi^2/\text{NDF}: 19.6/5$

Right Out: -427.853 ± 224.485 $\chi^2/\text{NDF}: 13.8/19$

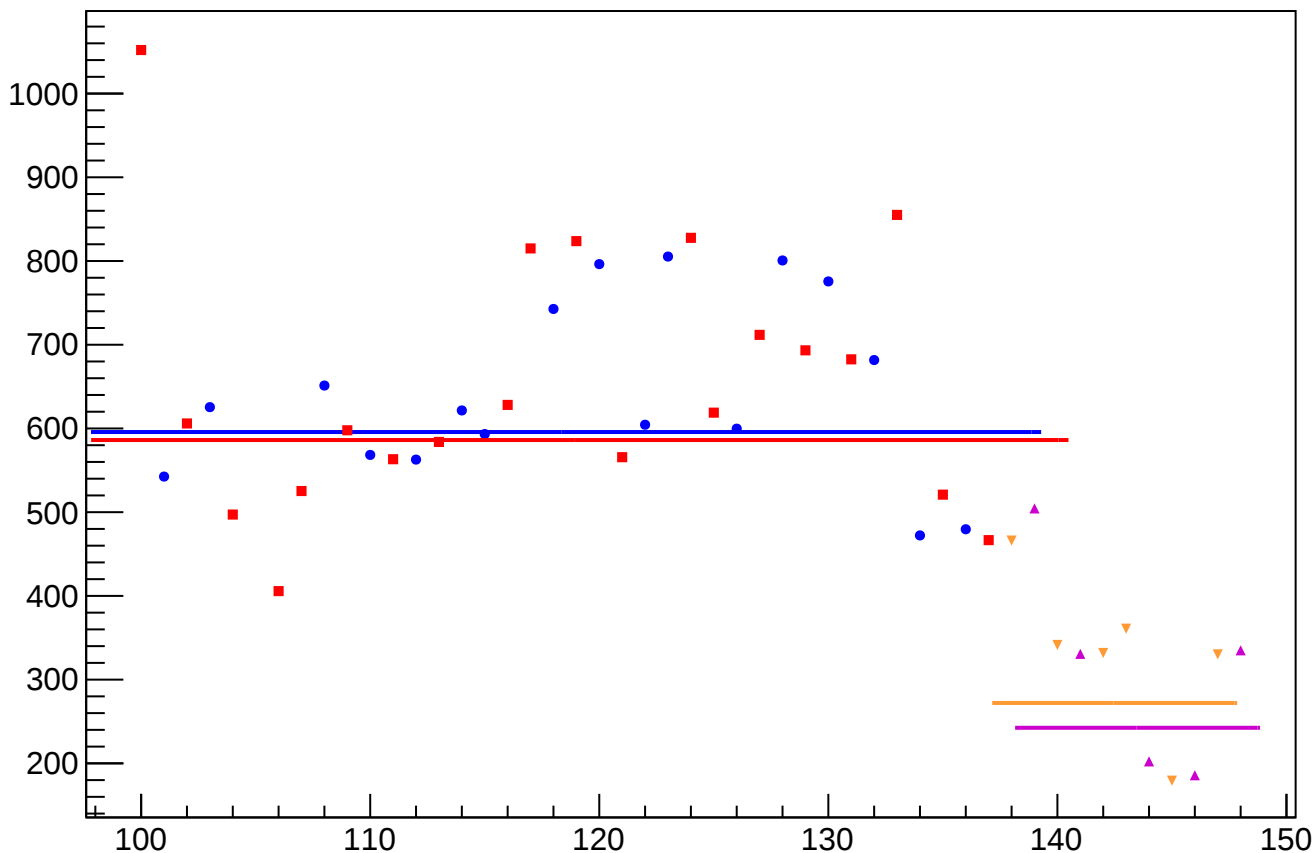
Left In: -182.544 ± 129.351 $\chi^2/\text{NDF}: 2.0/4$

340.980 ± 121.543 $\chi^2/\text{NDF}: 45.7/22$

24.994 ± 82.394 $\chi^2/\text{NDF}: 74.9/47$

-243.690 ± 112.077 $\chi^2/\text{NDF}: 16.7/24$

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 272.132 $\pm$ 0.100 χ^2 /NDF:872973.3/5

Right Out: 586.176 $\pm$ 0.159 χ^2 /NDF: 481325.4/19

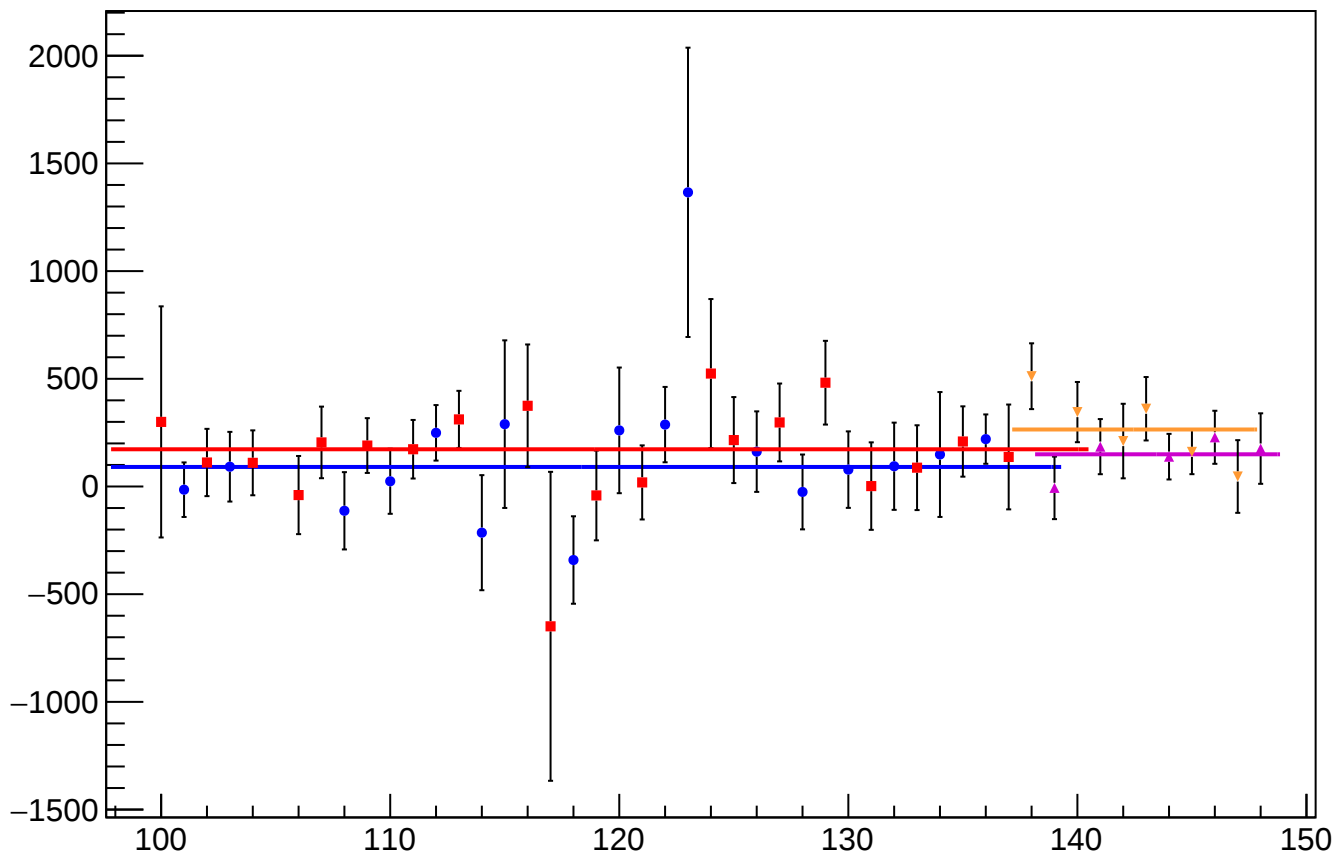
Left In: 242.483 $\pm$ 0.091 χ^2 /NDF:838000.7/4

358.065 $\pm$ 0.086 χ^2 /NDF: 3988079.5/22

341.899 $\pm$ 0.058 χ^2 /NDF: 8892393.5/47

328.153 $\pm$ 0.079 χ^2 /NDF: 4838847.5/24

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 264.659+/-57.539 χ^2/NDF : 6.2/5

Right Out: 172.786+/-41.033 χ^2/NDF : 11.6/19

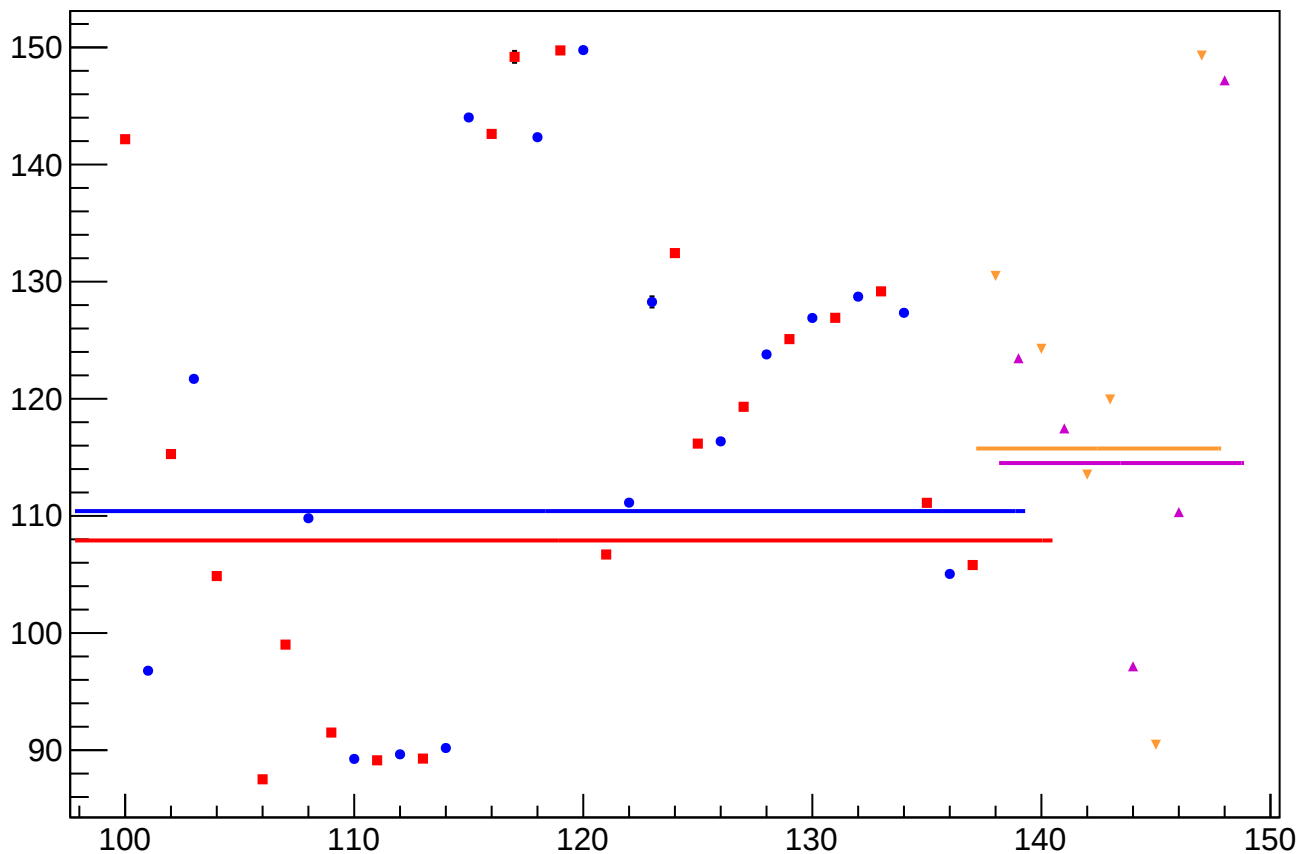
Left In: 149.501+/-57.643 χ^2/NDF : 1.7/4

153.626+/-34.604 χ^2/NDF : 28.9/22

159.486+/-24.042 χ^2/NDF : 42.4/47

164.955+/-33.429 χ^2/NDF : 13.4/24

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: 115.756 $\pm$ 0.041 χ^2/NDF : 226541.9/5

Right Out: 107.903 $\pm$ 0.029 χ^2/NDF : 351091.4/19

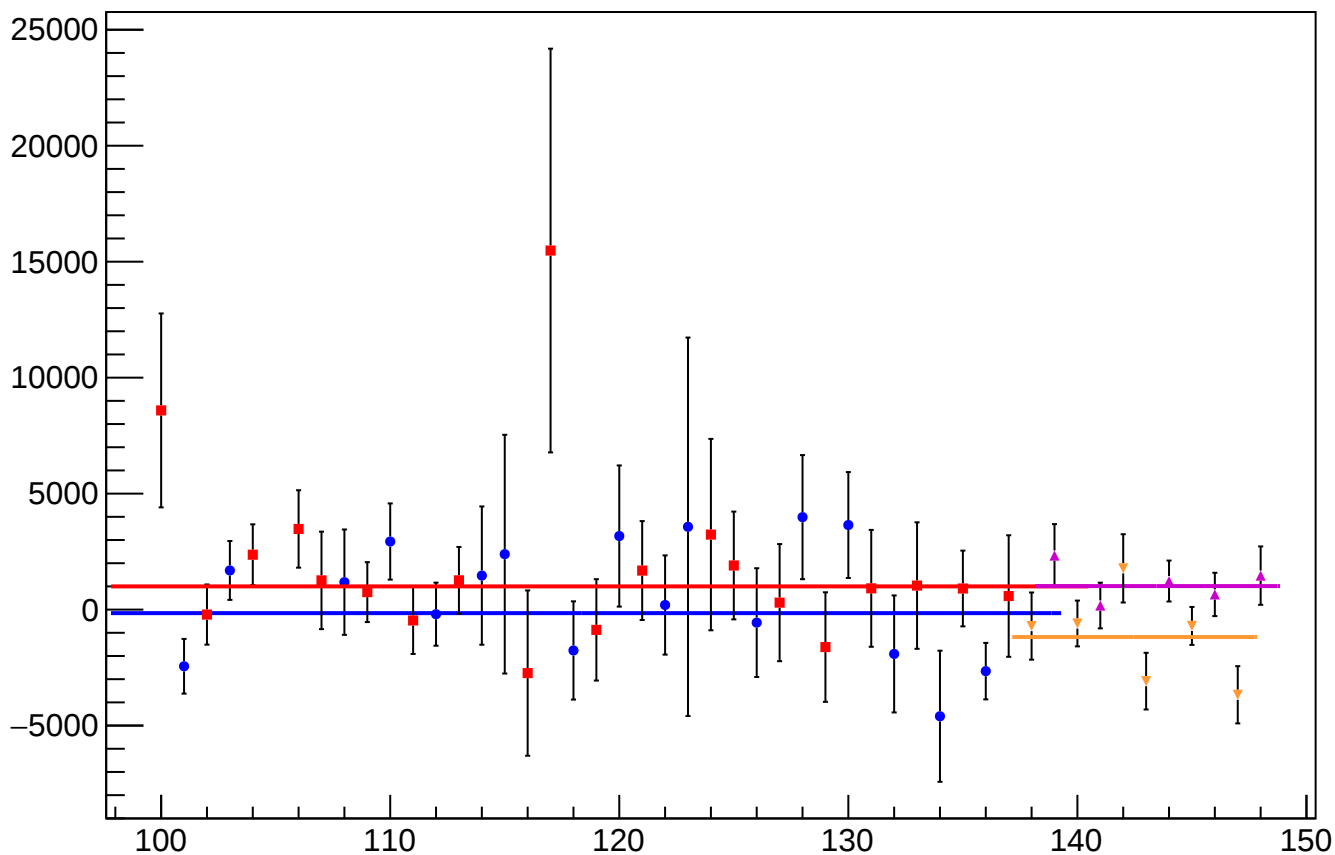
Left In: 114.514 $\pm$ 0.041 χ^2/NDF : 144433.2/4

112.344 $\pm$ 0.024 χ^2/NDF : 533983.0/22

111.197 $\pm$ 0.017 χ^2/NDF : 1051214.2/47

110.127 $\pm$ 0.024 χ^2/NDF : 512981.1/24

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403+/-464.753 χ^2/NDF : 24.7/16

Left Out: -1183.311+/-457.080 χ^2/NDF : 11.3/5

Right Out: 1000.907+/-434.569 χ^2/NDF : 15.1/19

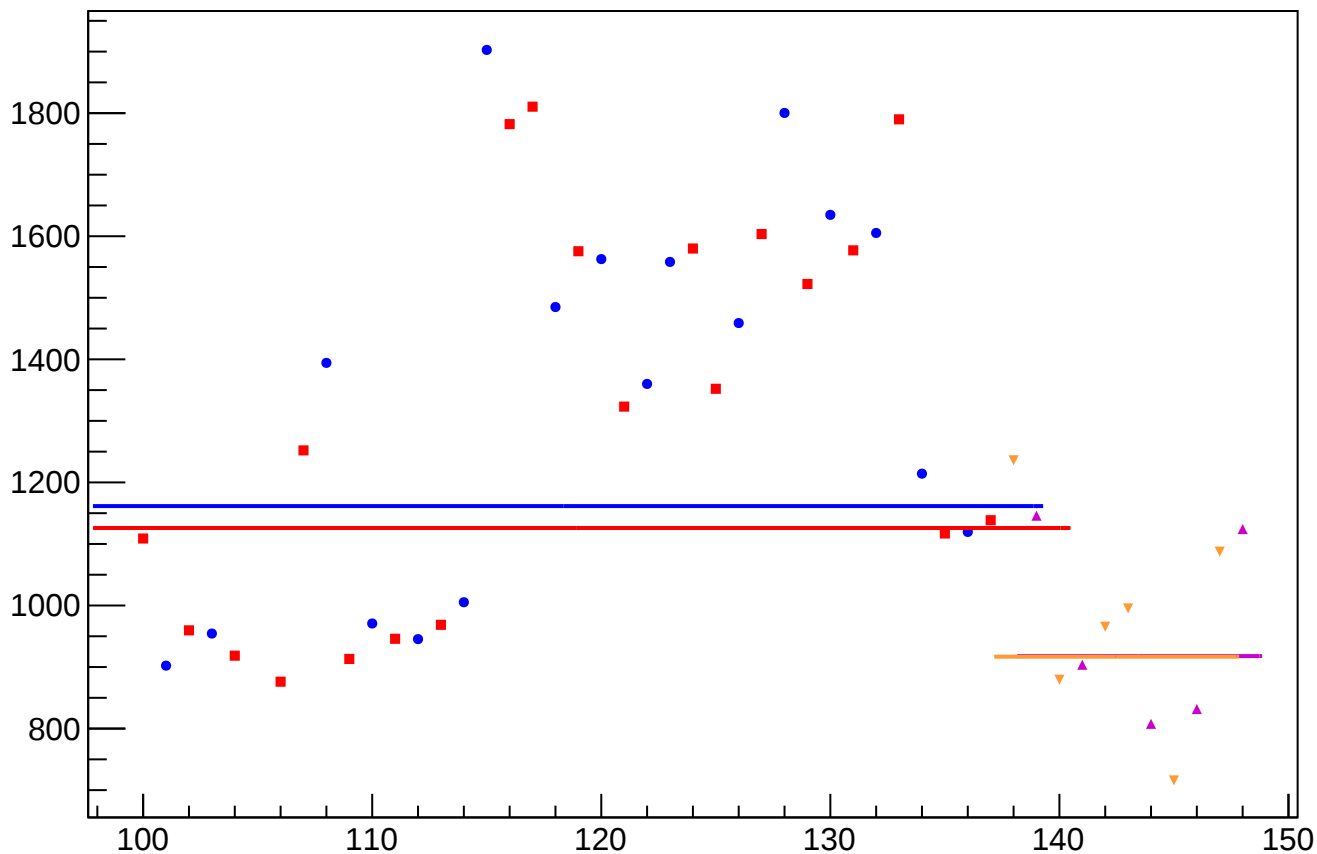
Left In: 1013.999+/-464.449 χ^2/NDF : 2.0/4

-676.437+/-325.883 χ^2/NDF : 38.5/22

187.687+/-227.348 χ^2/NDF : 69.3/47

1007.019+/-317.324 χ^2/NDF : 17.1/24

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 916.848+/-0.323 χ^2/NDF : 269561.1/5

Right Out: 1125.946+/-0.307 χ^2/NDF : 780195.3/19

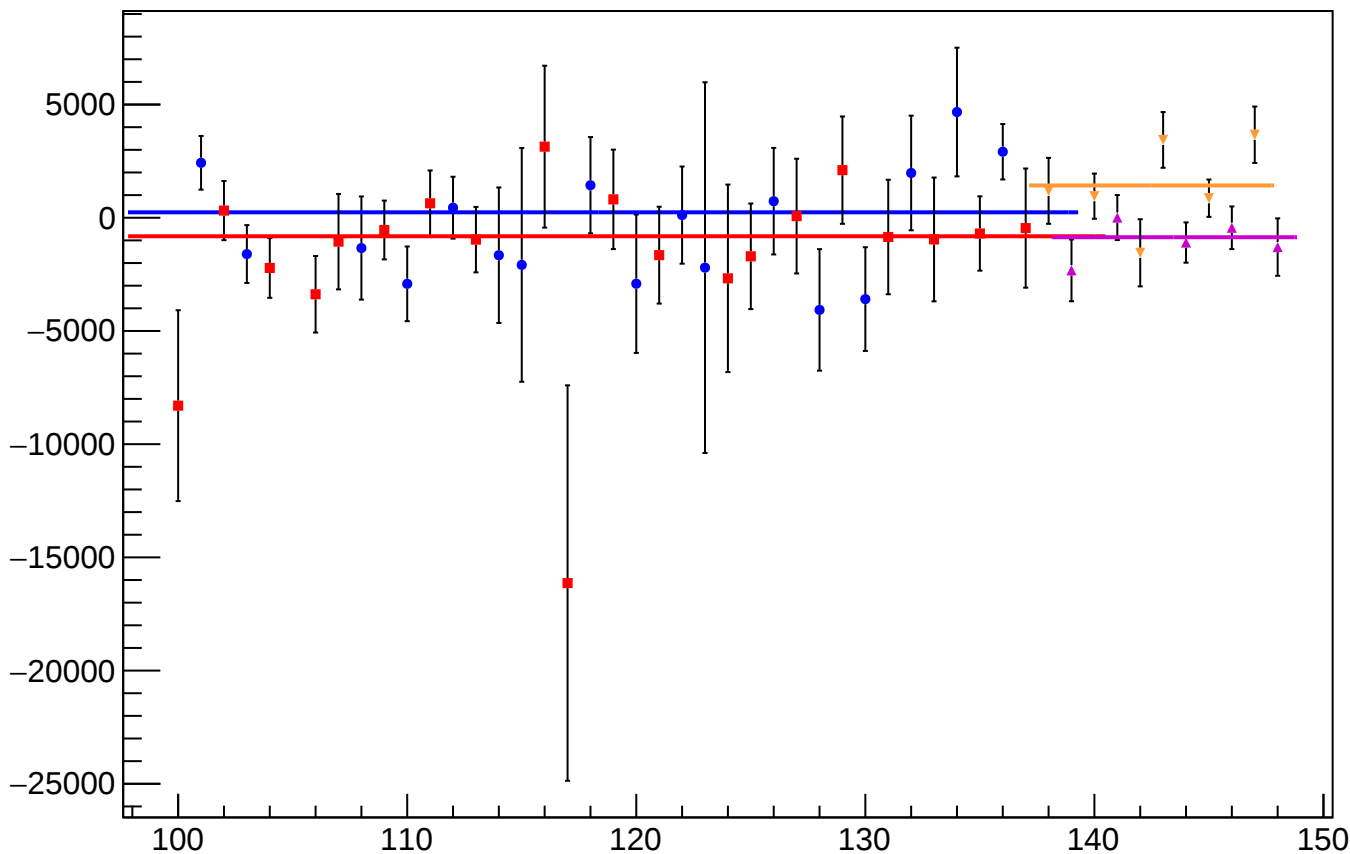
Left In: 917.806+/-0.328 χ^2/NDF : 158838.7/4

1037.153+/-0.230 χ^2/NDF : 1247261.0/22

1032.858+/-0.161 χ^2/NDF : 2401139.7/47

1028.786+/-0.224 χ^2/NDF : 1153201.9/24

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1426.623 $\pm$ 460.850 χ^2 /NDF: 10.7/5

Right Out: -817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

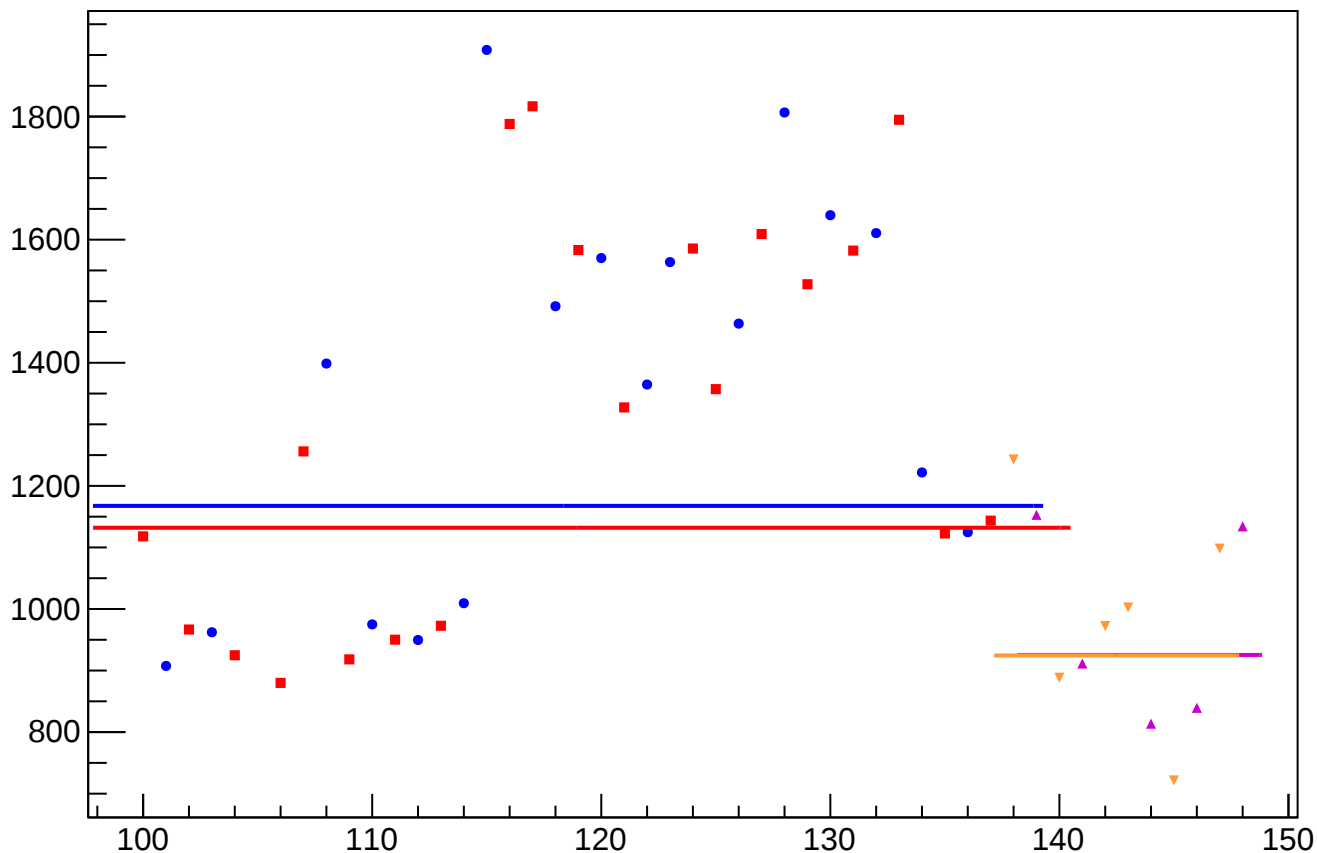
Left In: -860.217 $\pm$ 468.191 χ^2 /NDF: 2.3/4

841.583 $\pm$ 328.035 χ^2 /NDF: 38.7/22

-20.223 $\pm$ 228.857 χ^2 /NDF: 69.9/47

-837.457 $\pm$ 319.440 χ^2 /NDF: 17.7/24

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2/NDF : 690485.6/16

Left Out: 924.505 $\pm$ 0.326 χ^2/NDF : 268437.3/5

Right Out: 1132.019 $\pm$ 0.309 χ^2/NDF : 773827.8/19

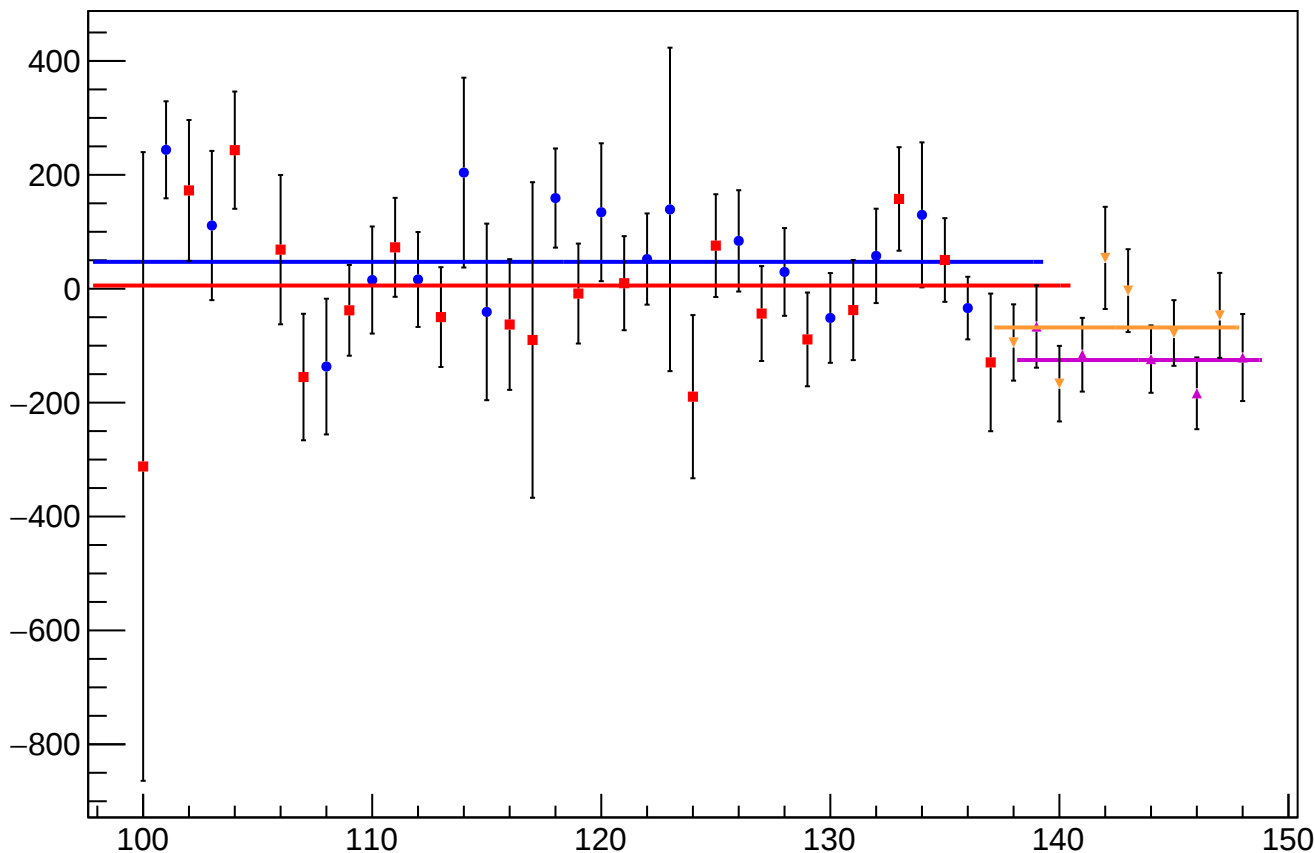
Left In: 925.336 $\pm$ 0.331 χ^2/NDF : 158340.7/4

1044.402 $\pm$ 0.232 χ^2/NDF : 1233322.2/22

1039.989 $\pm$ 0.162 χ^2/NDF : 2374515.7/47

1035.805 $\pm$ 0.226 χ^2/NDF : 1140488.5/24

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220 ± 22.565 χ^2/NDF : 16.1/16

Left Out: -68.008 ± 28.355 χ^2/NDF : 5.1/5

Right Out: 5.636 ± 22.057 χ^2/NDF : 20.4/19

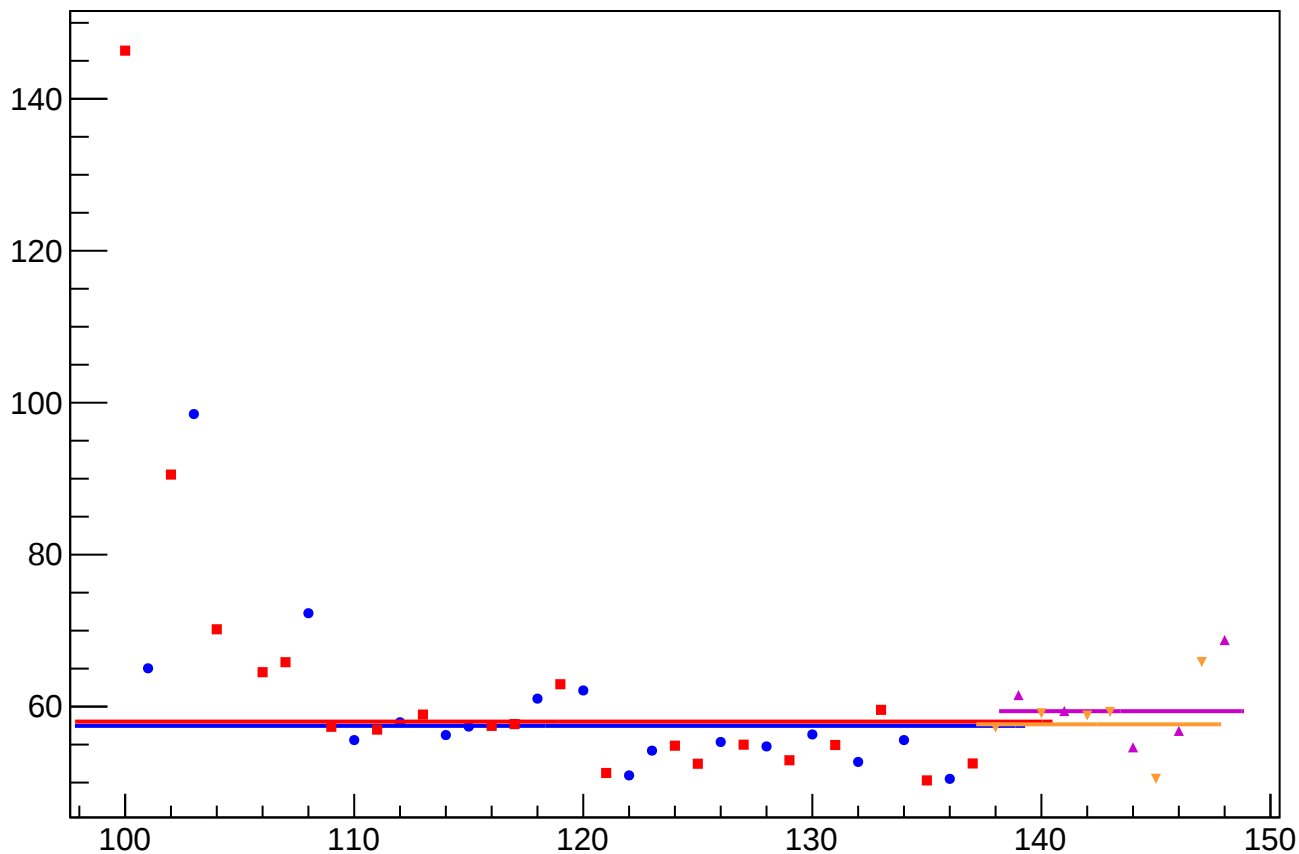
Left In: -125.189 ± 29.634 χ^2/NDF : 1.5/4

2.542 ± 17.656 χ^2/NDF : 31.3/22

-19.184 ± 12.498 χ^2/NDF : 68.8/47

-41.004 ± 17.694 χ^2/NDF : 34.5/24

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465 $\pm$ 0.016 χ^2/NDF : 307156.4/16

Left Out: 57.666 $\pm$ 0.020 χ^2/NDF : 57521.9/5

Right Out: 58.025 $\pm$ 0.016 χ^2/NDF : 300790.9/19

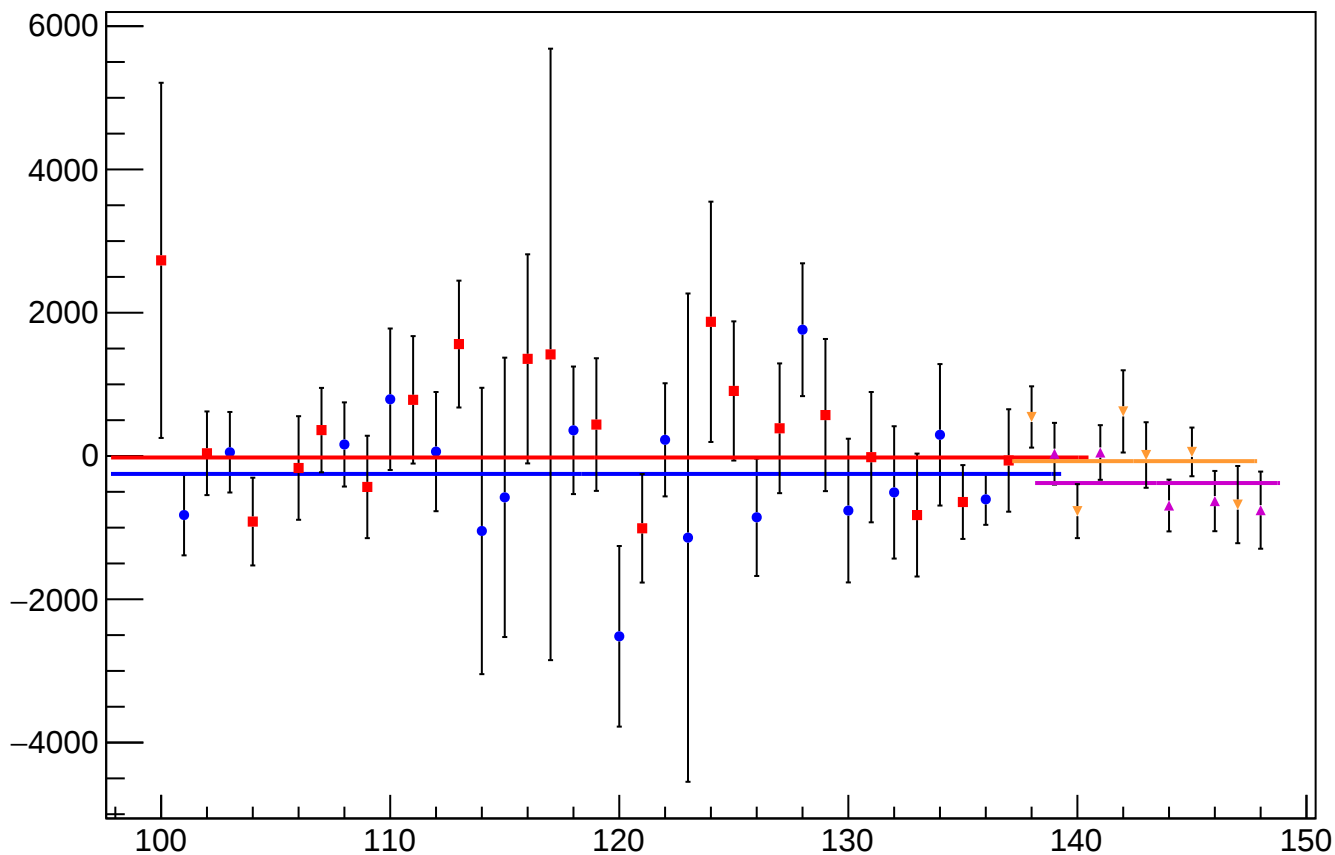
Left In: 59.398 $\pm$ 0.021 χ^2/NDF : 48076.6/4

57.543 $\pm$ 0.012 χ^2/NDF : 364739.8/22

58.028 $\pm$ 0.009 χ^2/NDF : 719388.3/47

58.514 $\pm$ 0.013 χ^2/NDF : 351629.7/24

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140 $\pm$ 184.092 χ^2 /NDF: 14.3/16

Left Out: -71.821 $\pm$ 175.615 χ^2 /NDF: 8.4/5

Right Out: -20.701 $\pm$ 181.669 χ^2 /NDF: 16.2/19

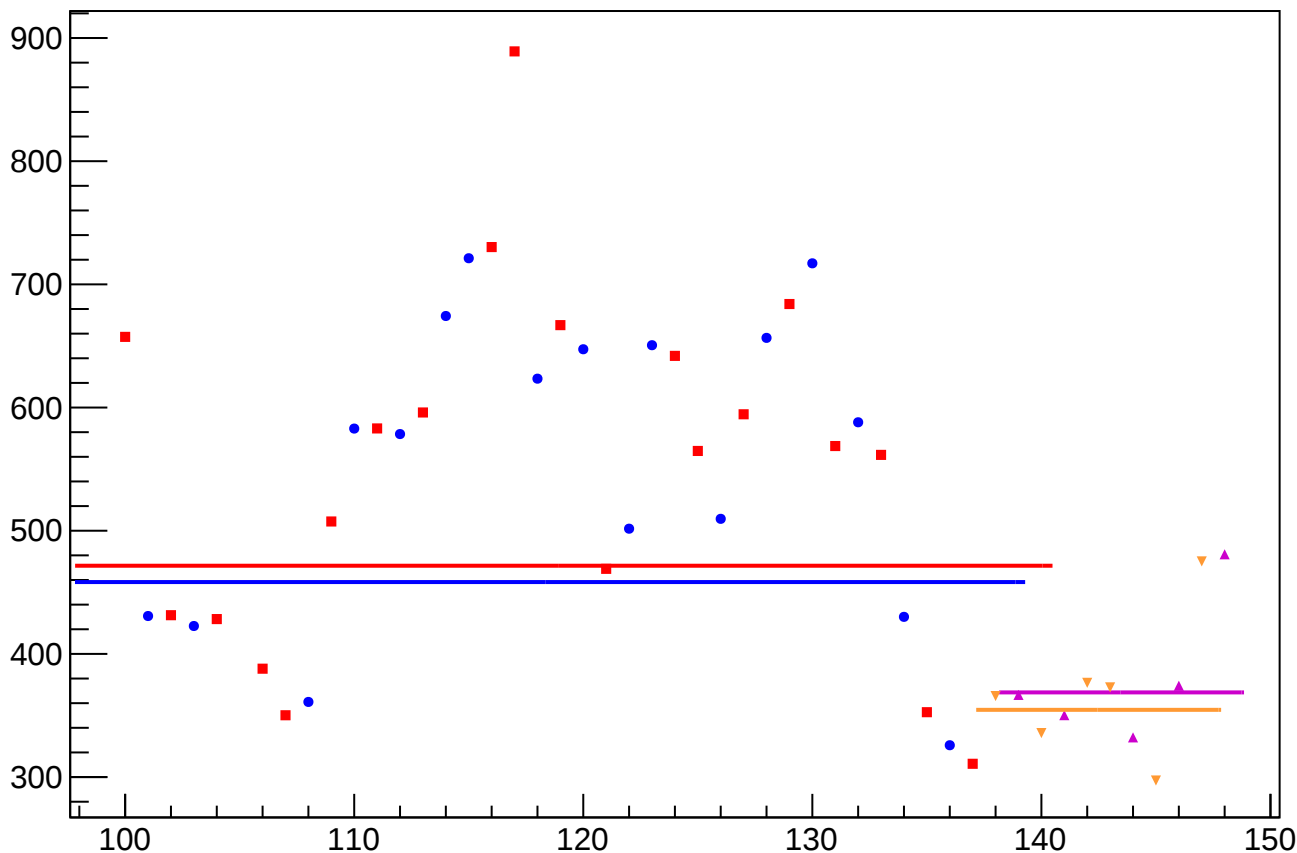
Left In: -377.259 $\pm$ 185.631 χ^2 /NDF: 3.8/4

-156.780 $\pm$ 127.069 χ^2 /NDF: 23.2/22

-175.544 $\pm$ 90.815 χ^2 /NDF: 45.1/47

-195.135 $\pm$ 129.838 χ^2 /NDF: 21.8/24

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: 354.593+/-0.124 χ^2/NDF :169475.3/5

Right Out: 471.585+/-0.128 χ^2/NDF : 797816.0/19

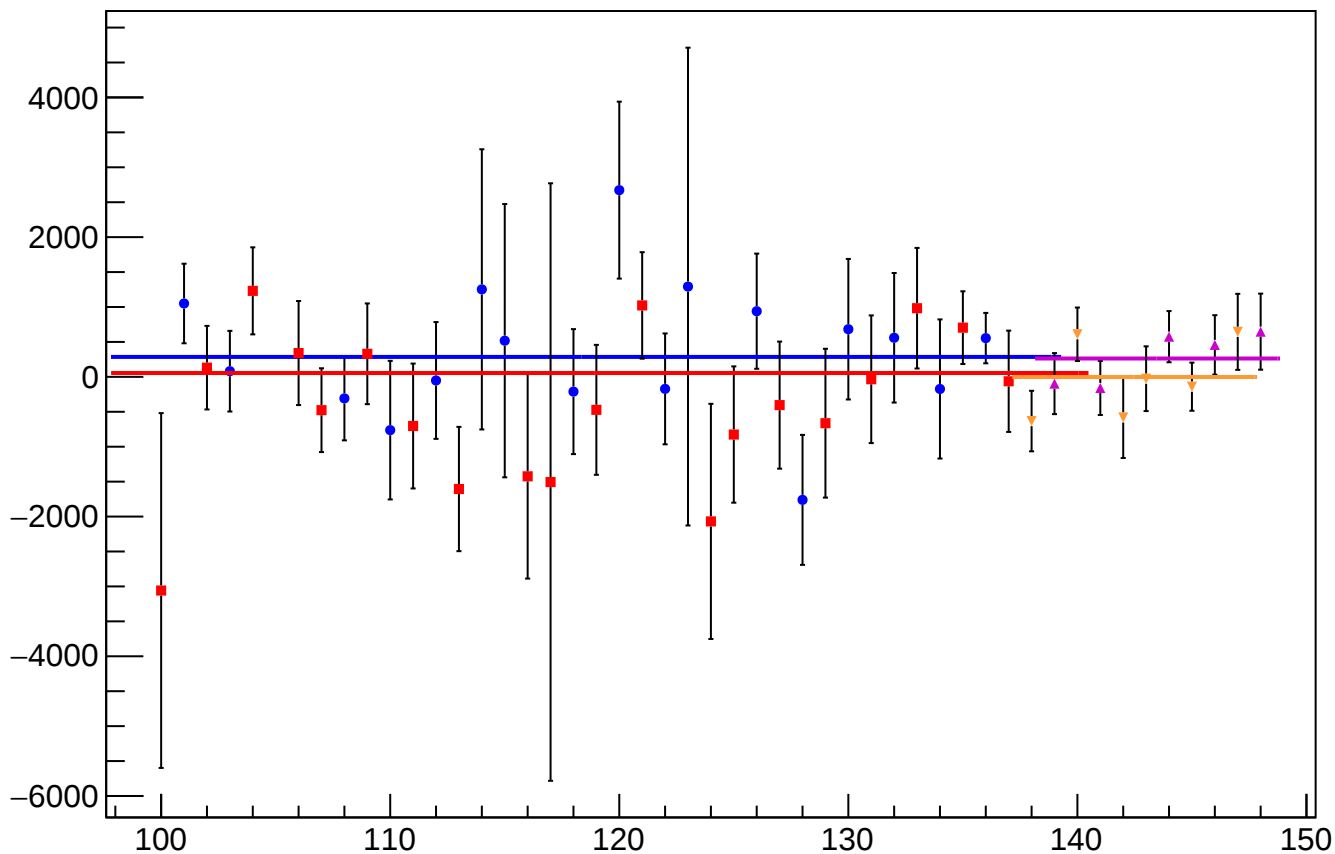
Left In: 368.743+/-0.131 χ^2/NDF :112211.0/4

404.015+/-0.090 χ^2/NDF : 1379140.5/22

412.458+/-0.064 χ^2/NDF : 2620767.0/47

421.273+/-0.092 χ^2/NDF : 1223577.2/24

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349+/-186.262 χ^2/NDF : 15.2/16

Left Out: -1.999+/-177.966 χ^2/NDF : 7.2/5

Right Out: 55.109+/-183.903 χ^2/NDF : 19.3/19

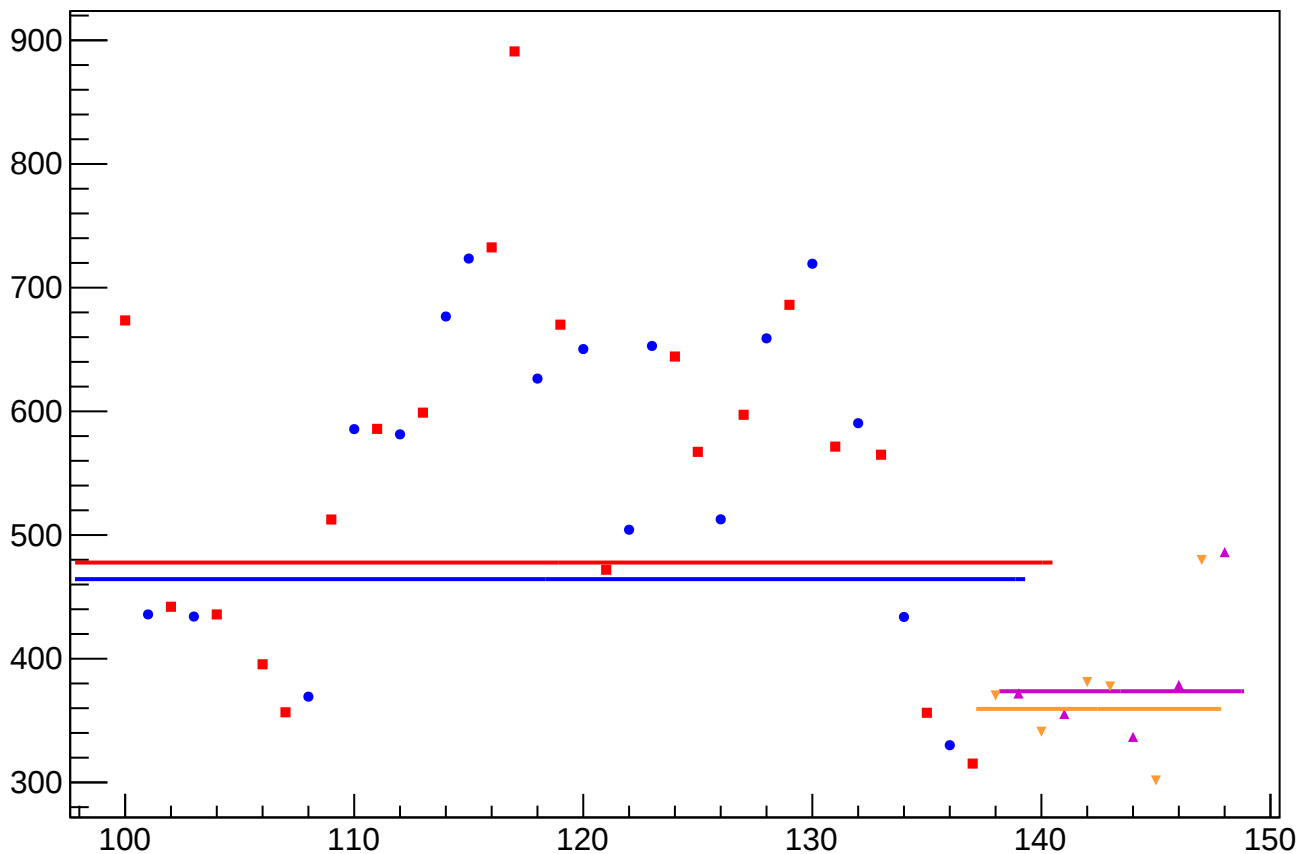
Left In: 262.760+/-188.080 χ^2/NDF : 3.3/4

135.133+/-128.674 χ^2/NDF : 23.7/22

145.636+/-91.966 χ^2/NDF : 46.9/47

156.604+/-131.491 χ^2/NDF : 23.2/24

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: 359.435 $\pm$ 0.126 χ^2 /NDF: 165999.7/5

Right Out: 477.754 $\pm$ 0.130 χ^2 /NDF: 768041.0/19

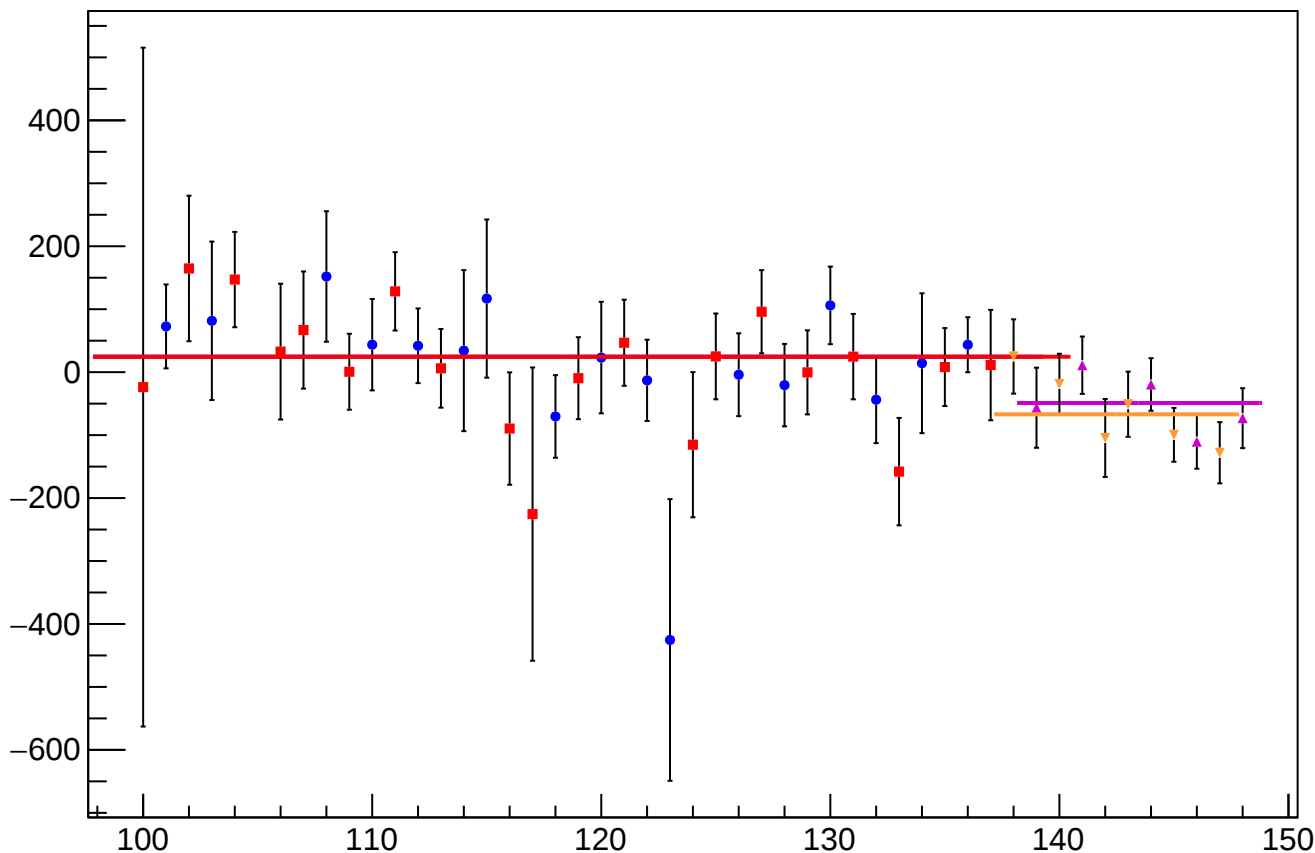
Left In: 373.712 $\pm$ 0.133 χ^2 /NDF: 110521.1/4

409.499 $\pm$ 0.091 χ^2 /NDF: 1343559.8/22

418.012 $\pm$ 0.065 χ^2 /NDF: 2552895.5/47

426.901 $\pm$ 0.093 χ^2 /NDF: 1191441.7/24

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -66.980 $\pm$ 20.733 χ^2 /NDF: 6.1/5

Right Out: 24.491 $\pm$ 17.338 χ^2 /NDF: 18.0/19

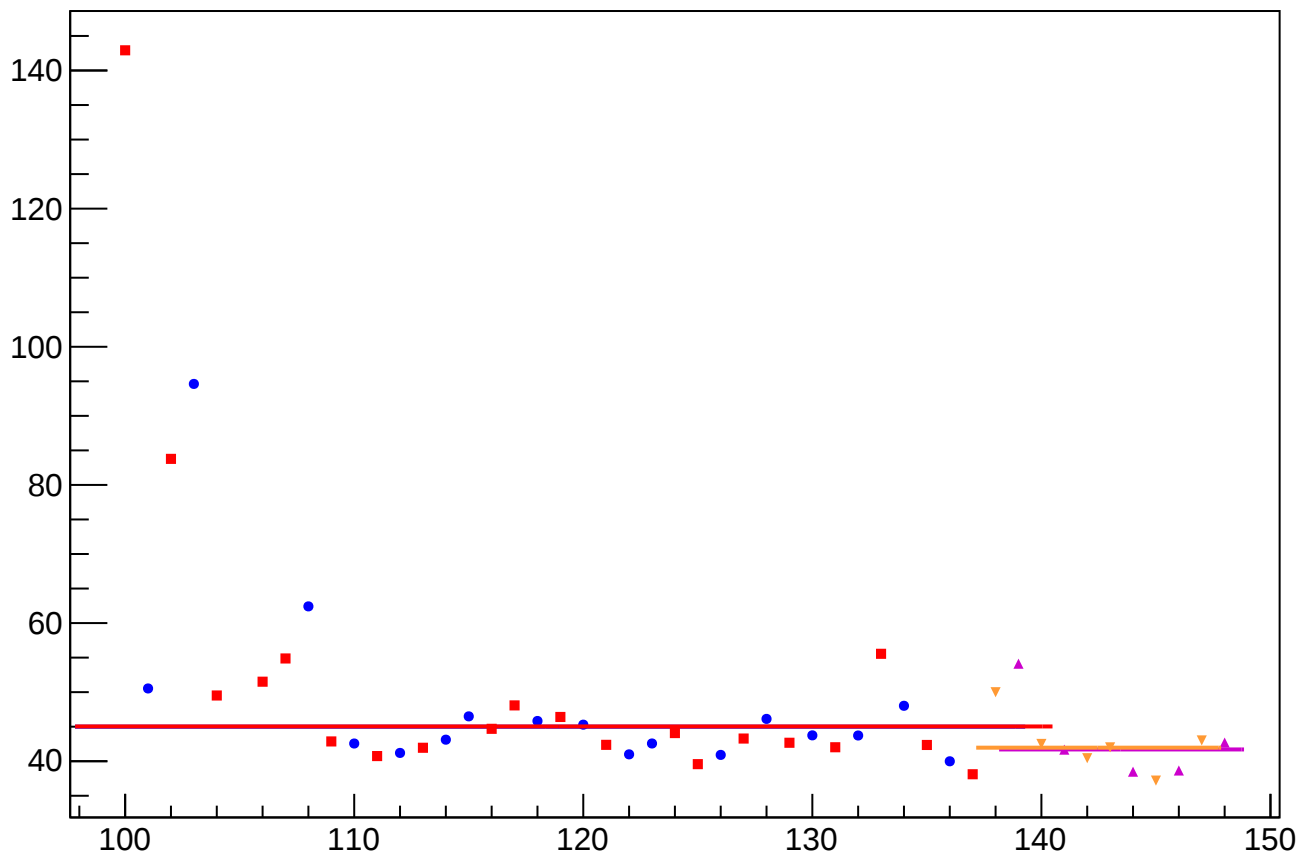
Left In: -48.951 $\pm$ 20.920 χ^2 /NDF: 4.5/4

-14.367 $\pm$ 13.522 χ^2 /NDF: 30.3/22

-9.833 $\pm$ 9.500 χ^2 /NDF: 60.3/47

-5.414 $\pm$ 13.349 χ^2 /NDF: 29.8/24

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 41.962 $\pm$ 0.015 χ^2 /NDF: 64250.9/5

Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

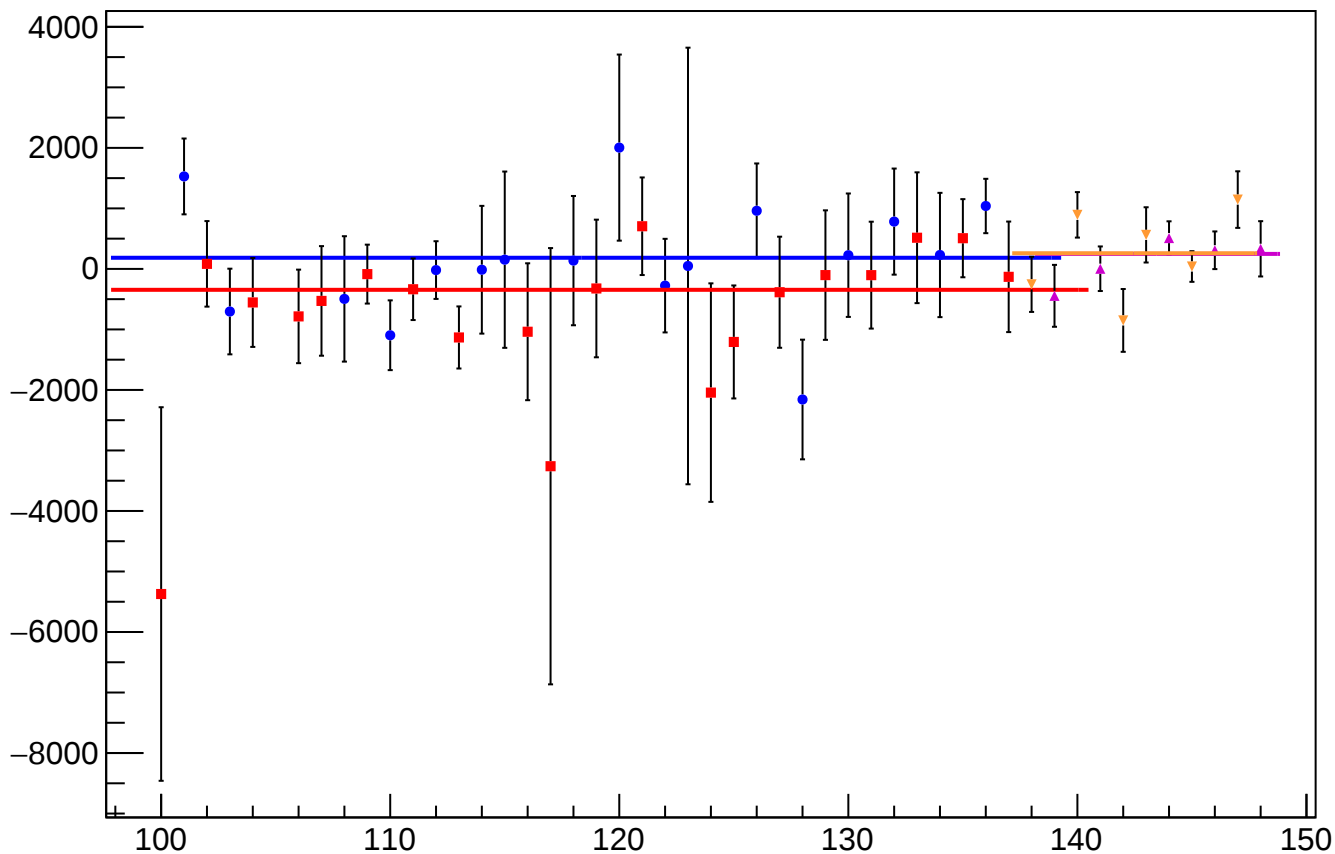
Left In: 41.705 $\pm$ 0.015 χ^2 /NDF: 98959.2/4

43.708 $\pm$ 0.010 χ^2 /NDF: 527299.2/22

43.693 $\pm$ 0.007 χ^2 /NDF: 1072151.7/47

43.678 $\pm$ 0.009 χ^2 /NDF: 544847.4/24

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: 258.681 $\pm$ 156.988 χ^2 /NDF:13.5/5

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

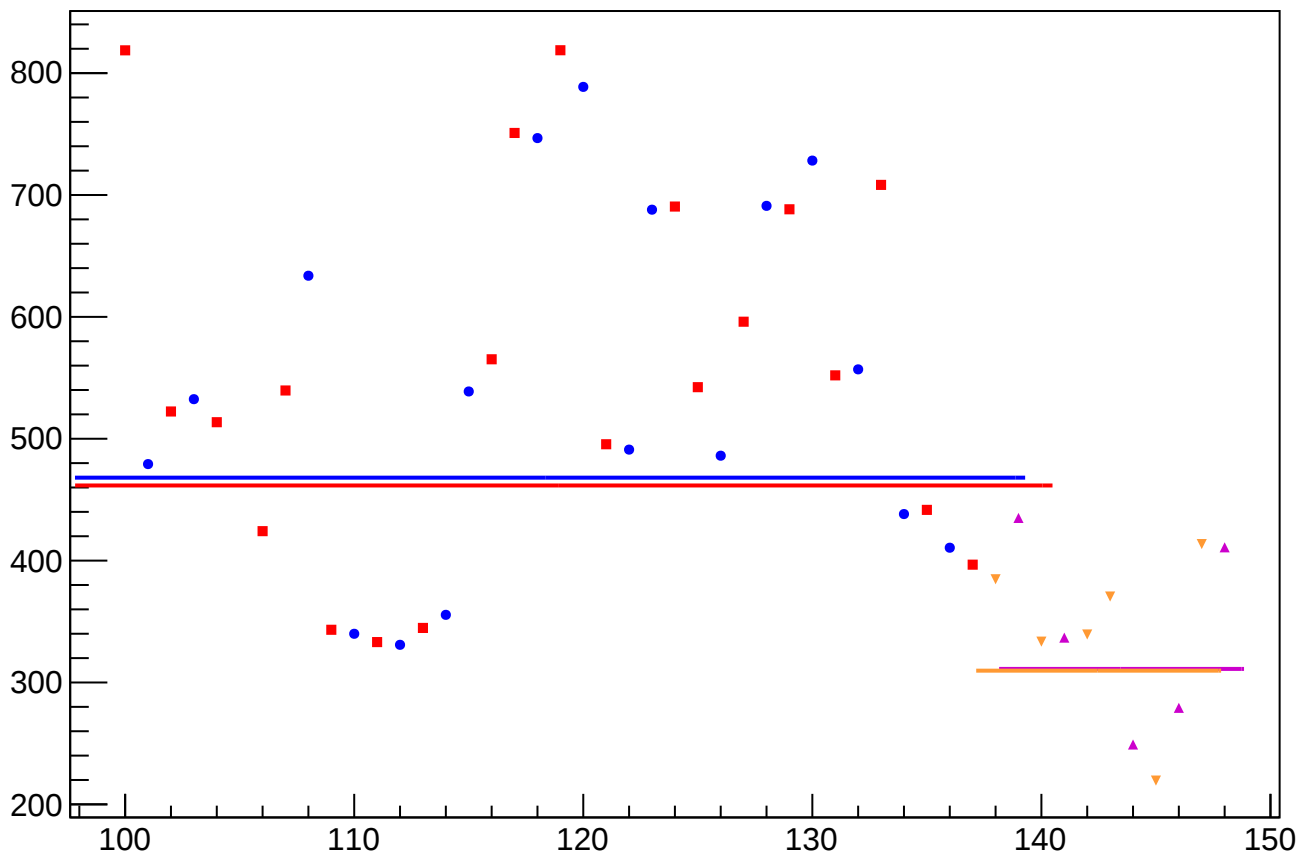
Left In: 247.911 $\pm$ 159.324 χ^2 /NDF:3.2/4

228.183 $\pm$ 120.647 χ^2 /NDF: 37.8/22

105.404 $\pm$ 84.742 χ^2 /NDF: 62.3/47

-14.160 $\pm$ 119.057 χ^2 /NDF: 22.5/24

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071 $\pm$ 0.133 χ^2/NDF : 880319.3/16

Left Out: 309.705 $\pm$ 0.111 χ^2/NDF : 456693.1/5

Right Out: 461.656 $\pm$ 0.127 χ^2/NDF : 967939.5/19

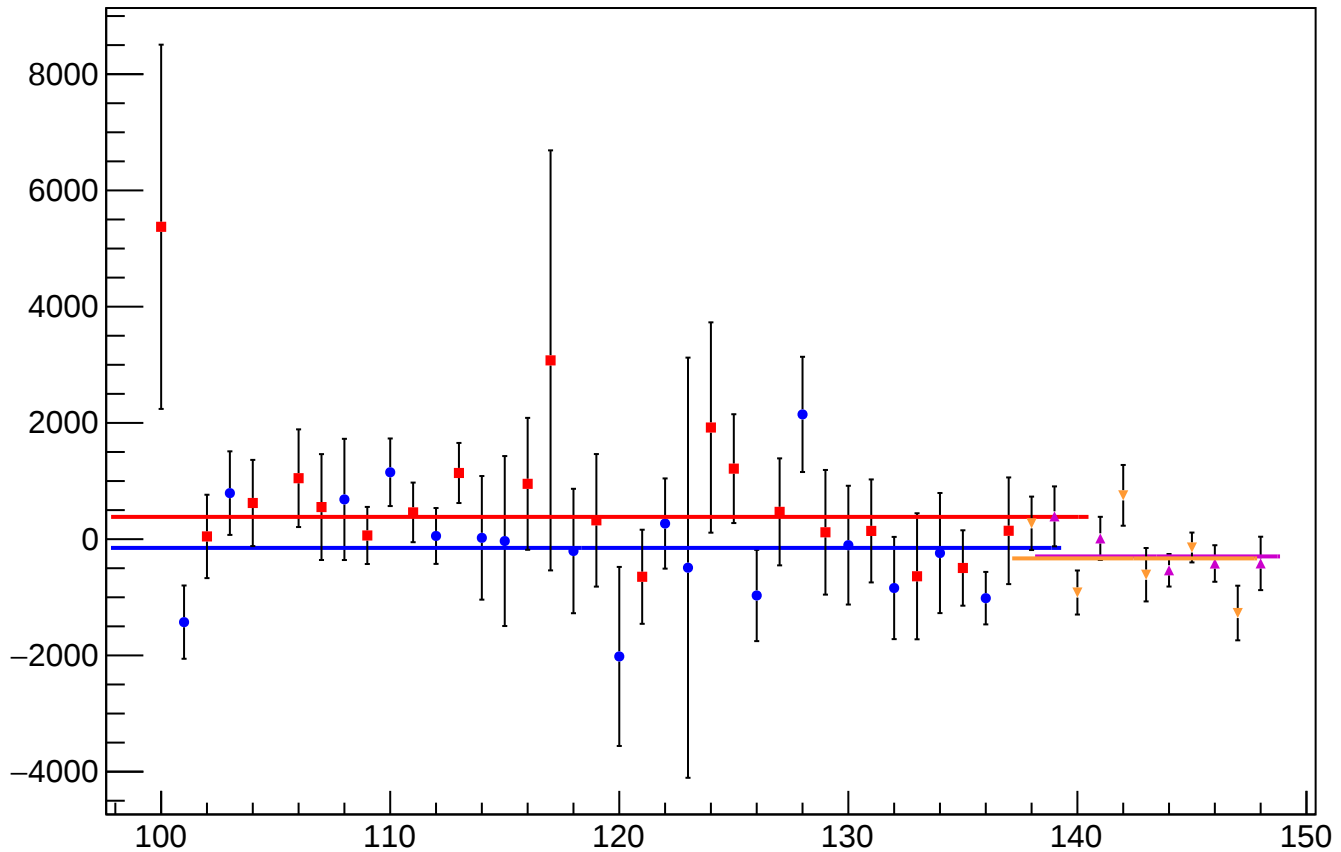
Left In: 311.134 $\pm$ 0.113 χ^2/NDF : 344197.2/4

374.539 $\pm$ 0.085 χ^2/NDF : 2170241.2/22

376.092 $\pm$ 0.060 χ^2/NDF : 4271337.2/47

377.604 $\pm$ 0.084 χ^2/NDF : 2100442.1/24

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -330.829+/-158.558 χ^2/NDF : 13.3/5

Right Out: 383.331+/-181.030 χ^2/NDF : 13.0/19

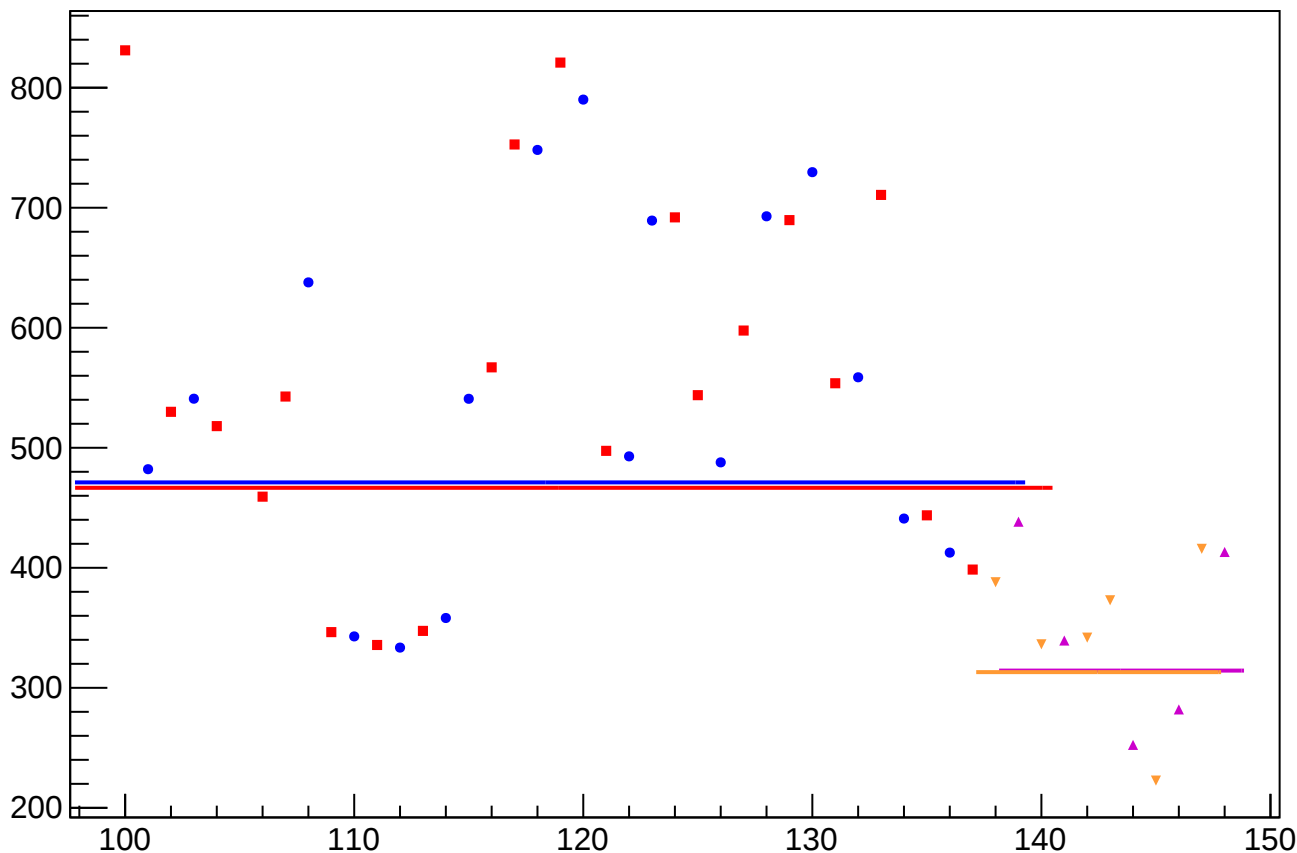
Left In: -296.765+/-160.863 χ^2/NDF : 3.4/4

-256.595+/-121.666 χ^2/NDF : 38.1/22

-125.121+/-85.525 χ^2/NDF : 64.7/47

3.306+/-120.248 χ^2/NDF : 24.3/24

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 313.080+/-0.112 χ^2/NDF : 443613.1/5

Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

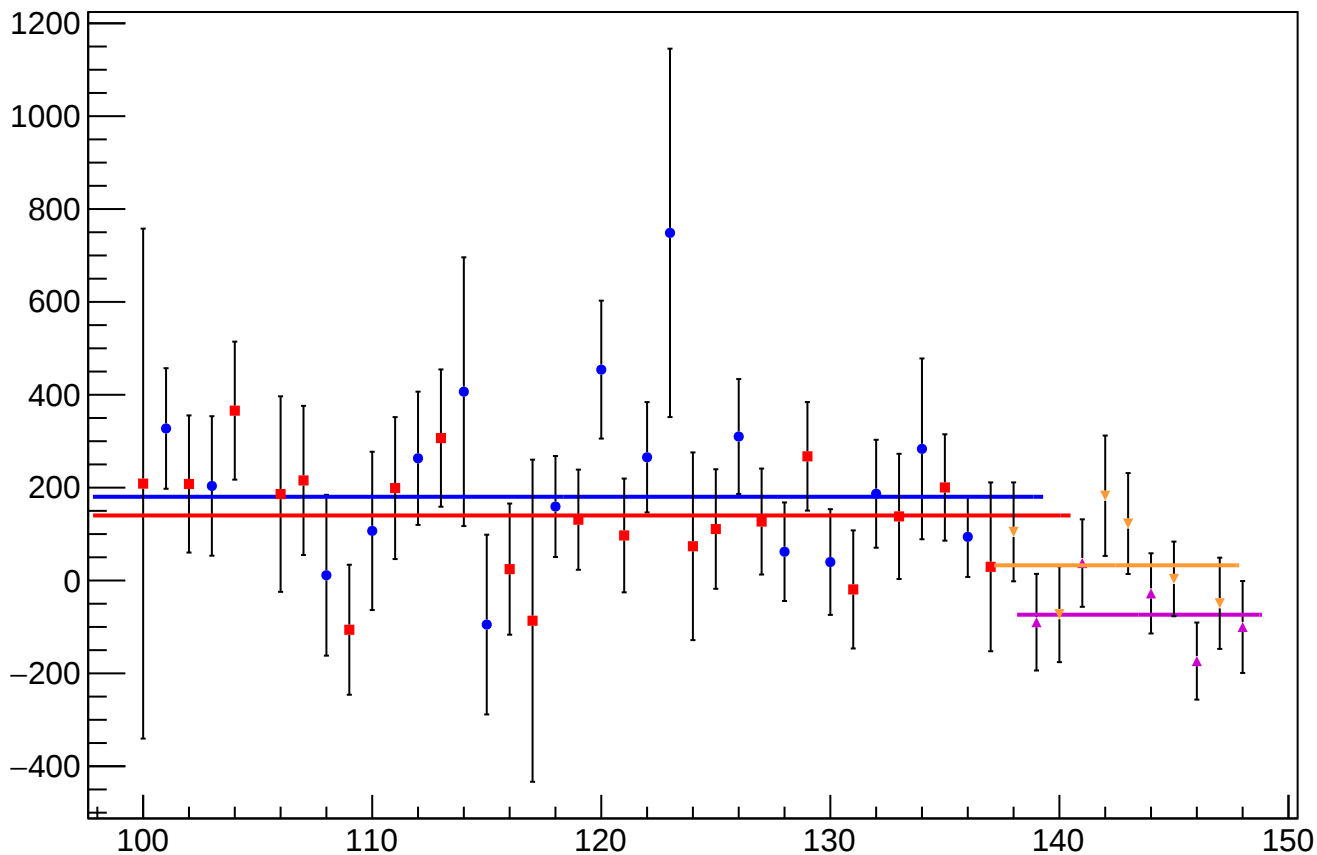
Left In: 314.358+/-0.114 χ^2/NDF : 336508.9/4

378.083+/-0.086 χ^2/NDF : 2132878.9/22

379.839+/-0.060 χ^2/NDF : 4214262.2/47

381.554+/-0.085 χ^2/NDF : 2080559.7/24

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: 32.725 $\pm$ 41.362 χ^2 /NDF: 4.3/5

Right Out: 140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

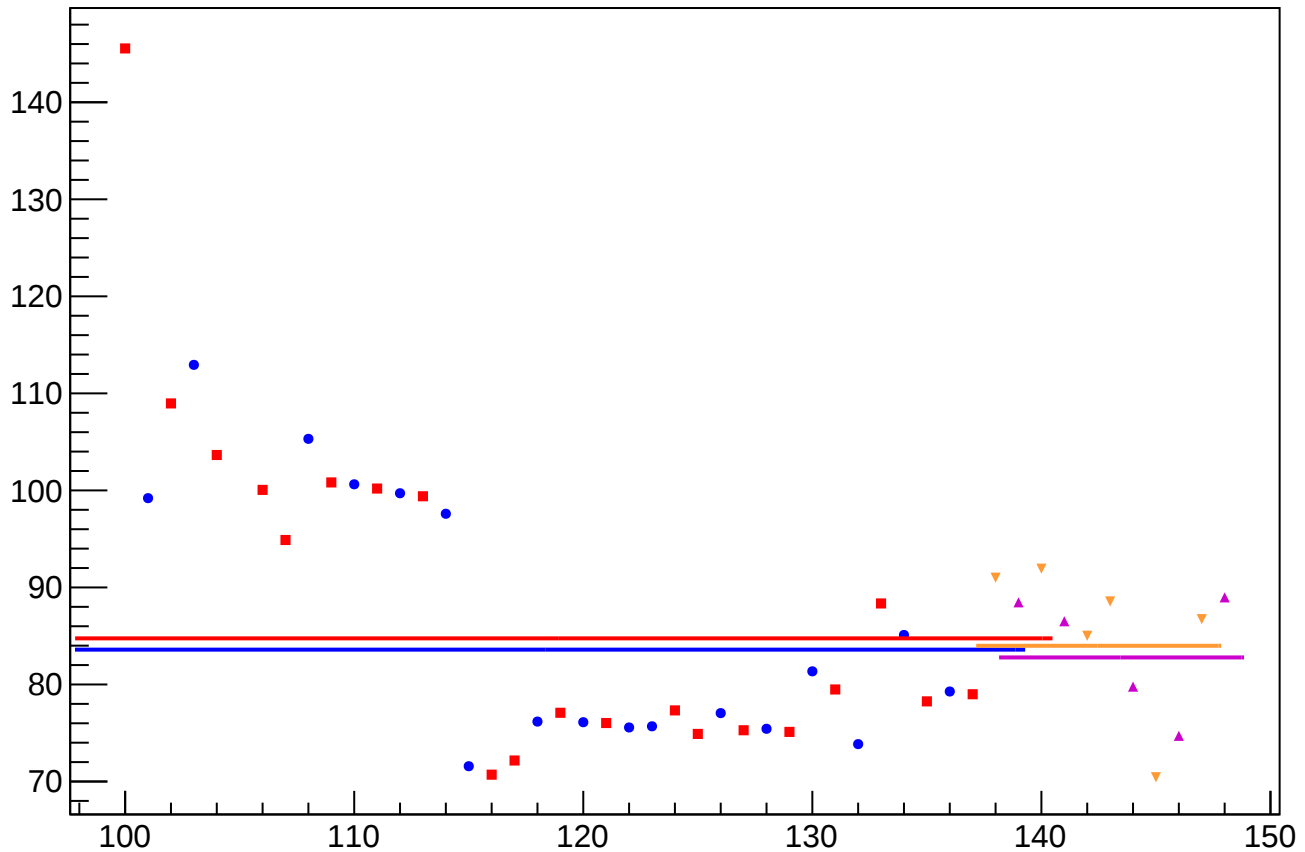
Left In: -73.654 $\pm$ 41.304 χ^2 /NDF: 3.2/4

123.407 $\pm$ 25.685 χ^2 /NDF: 28.7/22

90.981 $\pm$ 18.058 χ^2 /NDF: 63.9/47

59.286 $\pm$ 25.394 χ^2 /NDF: 32.0/24

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2/NDF : 255921.7/16

Left Out: 83.987 $\pm$ 0.029 χ^2/NDF : 82587.6/5

Right Out: 84.752 $\pm$ 0.023 χ^2/NDF : 293262.6/19

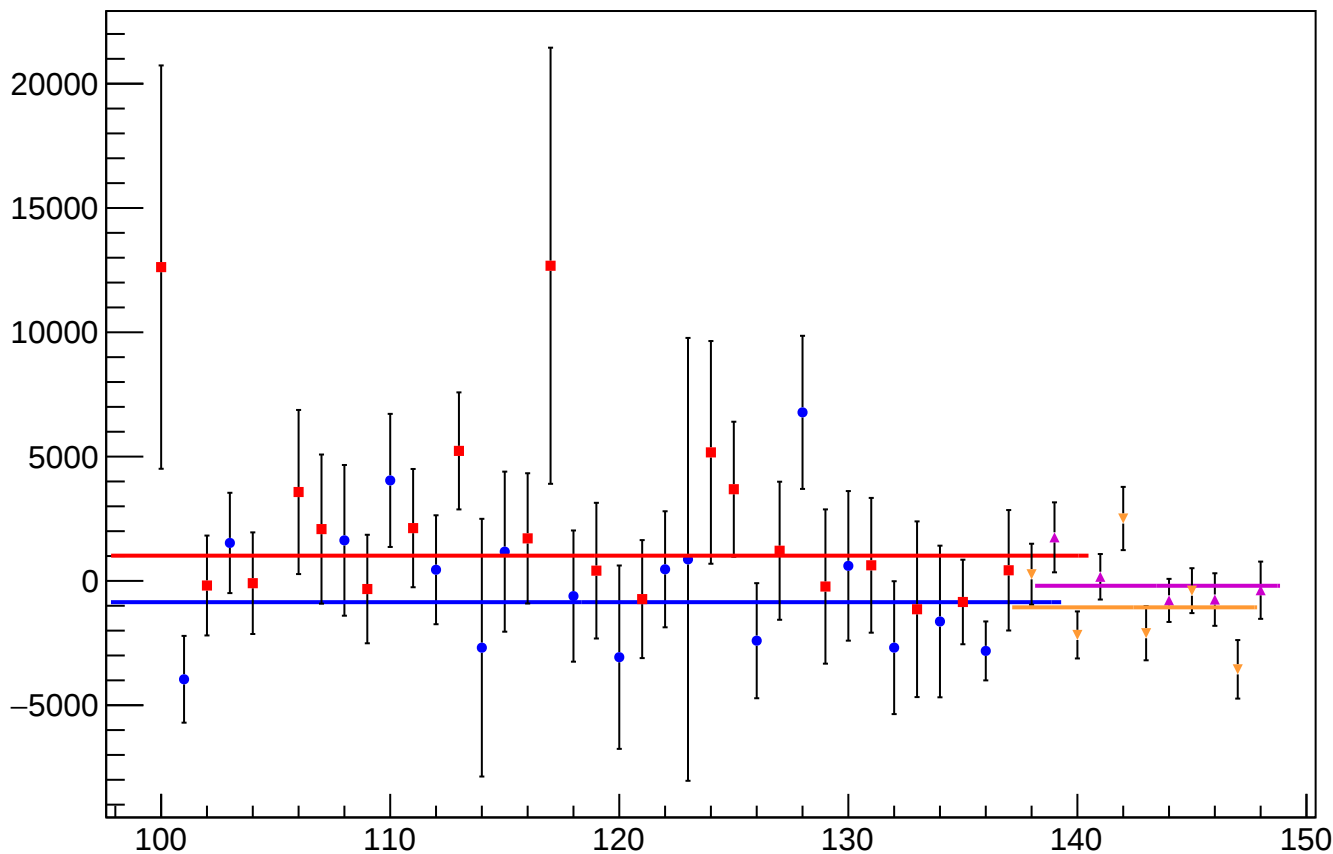
Left In: 82.787 $\pm$ 0.029 χ^2/NDF : 38272.3/4

83.744 $\pm$ 0.018 χ^2/NDF : 338622.3/22

83.878 $\pm$ 0.013 χ^2/NDF : 673080.3/47

84.009 $\pm$ 0.018 χ^2/NDF : 334350.1/24

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: -1063.273 ± 439.027 χ^2/NDF : 16.4/5

Right Out: 1015.523 ± 587.747 χ^2/NDF : 13.3/19

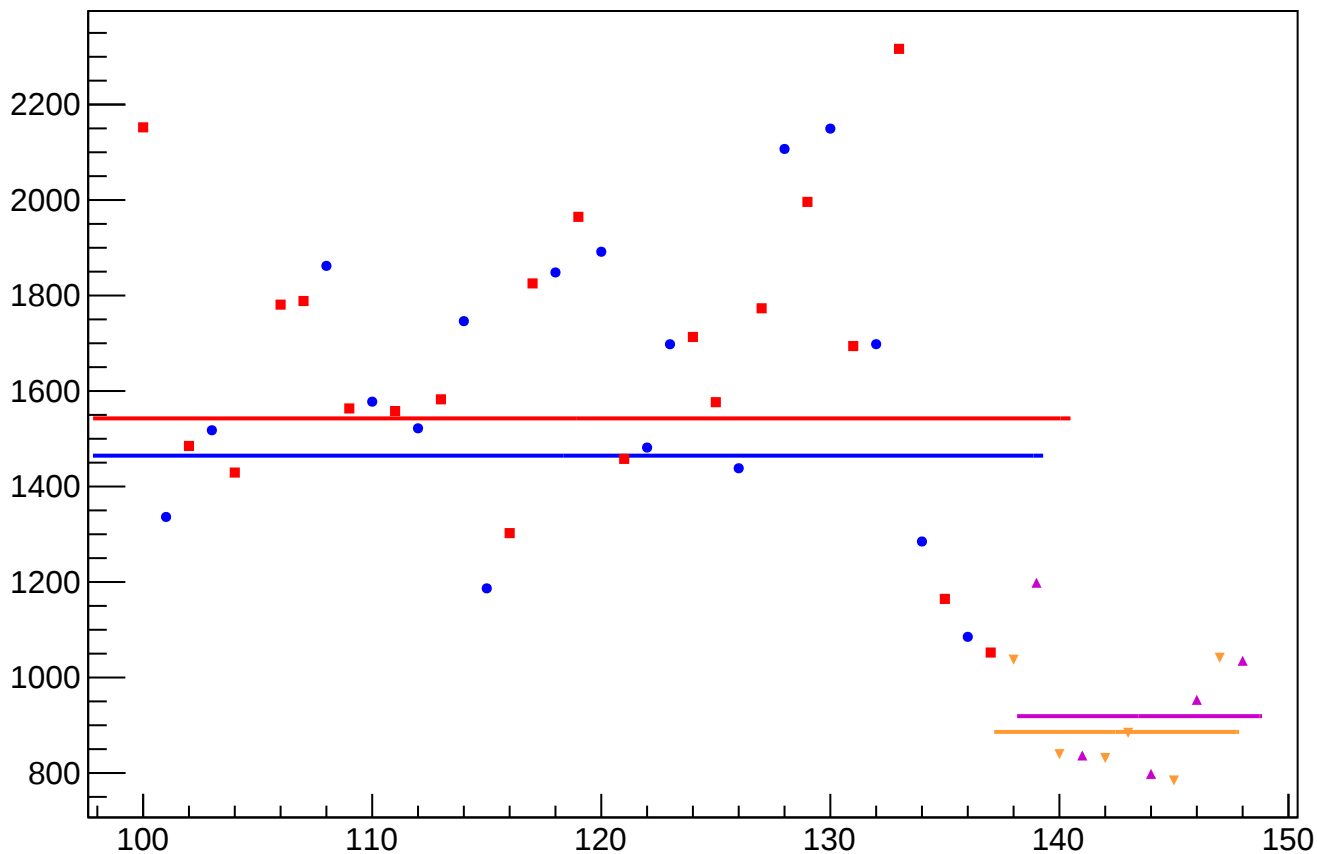
Left In: -195.855 ± 462.292 χ^2/NDF : 2.8/4

-988.064 ± 350.771 χ^2/NDF : 36.8/22

-382.585 ± 252.366 χ^2/NDF : 61.7/47

267.139 ± 363.361 χ^2/NDF : 18.8/24

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: 886.082 $\pm$ 0.310 χ^2 /NDF: 99096.1/5

Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

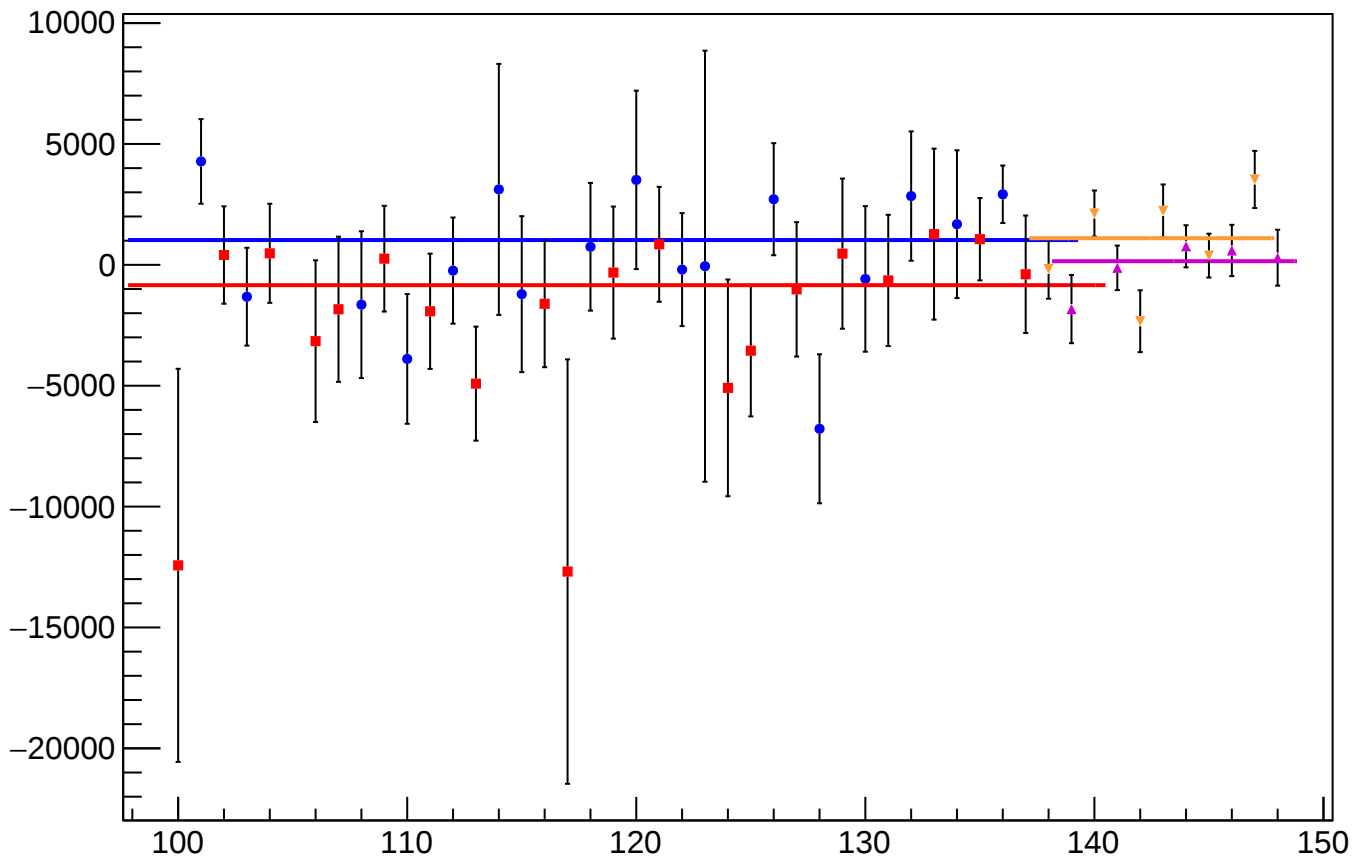
Left In: 919.091 $\pm$ 0.327 χ^2 /NDF: 156354.3/4

1095.311 $\pm$ 0.248 χ^2 /NDF: 1916025.8/22

1125.272 $\pm$ 0.178 χ^2 /NDF: 3949233.8/47

1157.423 $\pm$ 0.257 χ^2 /NDF: 2002958.4/24

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: 1101.102 $\pm$ 441.130 χ^2 /NDF: 15.3/5

Right Out: -840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

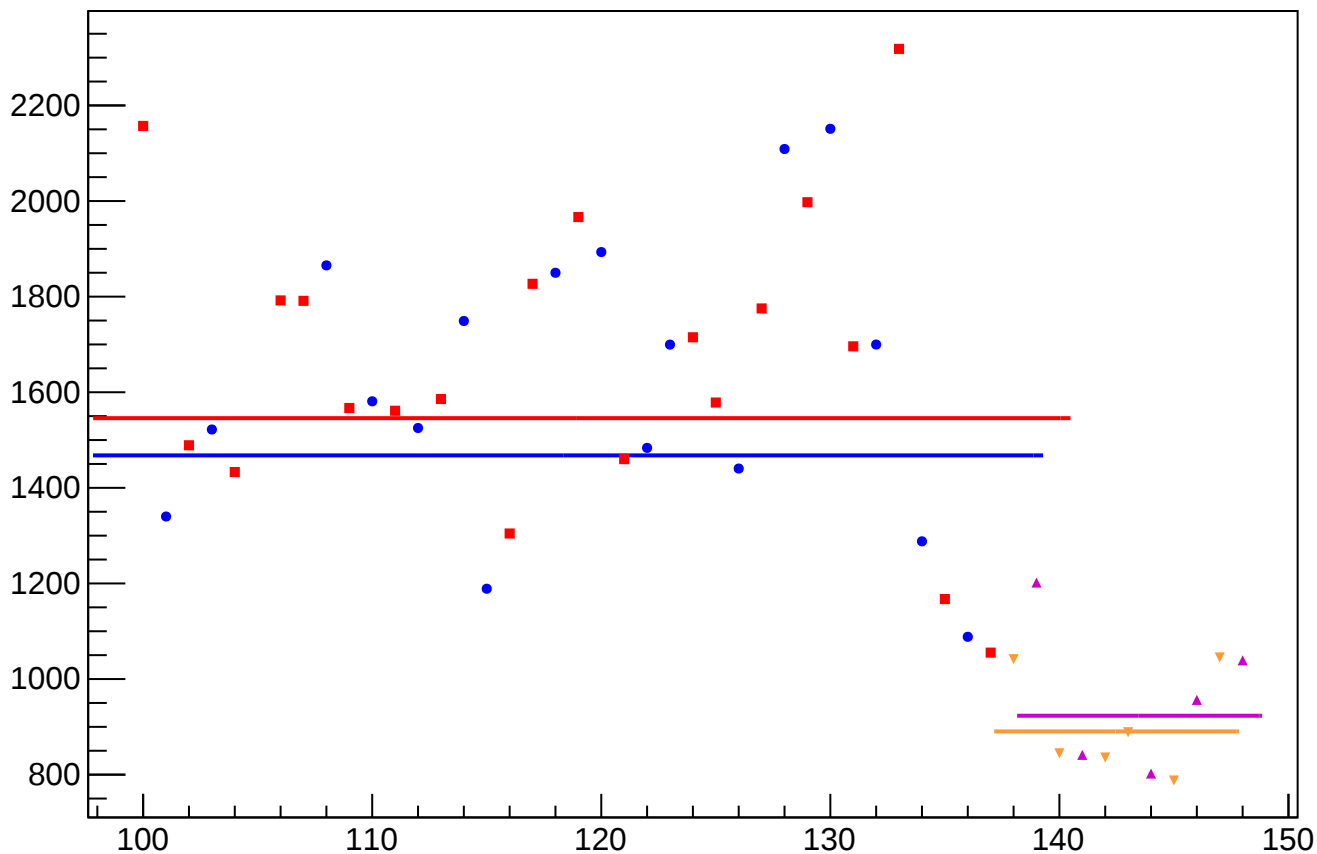
Left In: 150.343 $\pm$ 464.321 χ^2 /NDF: 2.7/4

1073.677 $\pm$ 352.106 χ^2 /NDF: 36.3/22

444.945 $\pm$ 253.297 χ^2 /NDF: 60.4/47

-229.403 $\pm$ 364.655 χ^2 /NDF: 17.5/24

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905 $\pm$ 0.413 χ^2 /NDF: 557458.9/16

Left Out: 890.455 $\pm$ 0.312 χ^2 /NDF: 98265.0/5

Right Out: 1545.785 $\pm$ 0.417 χ^2 /NDF: 453865.6/19

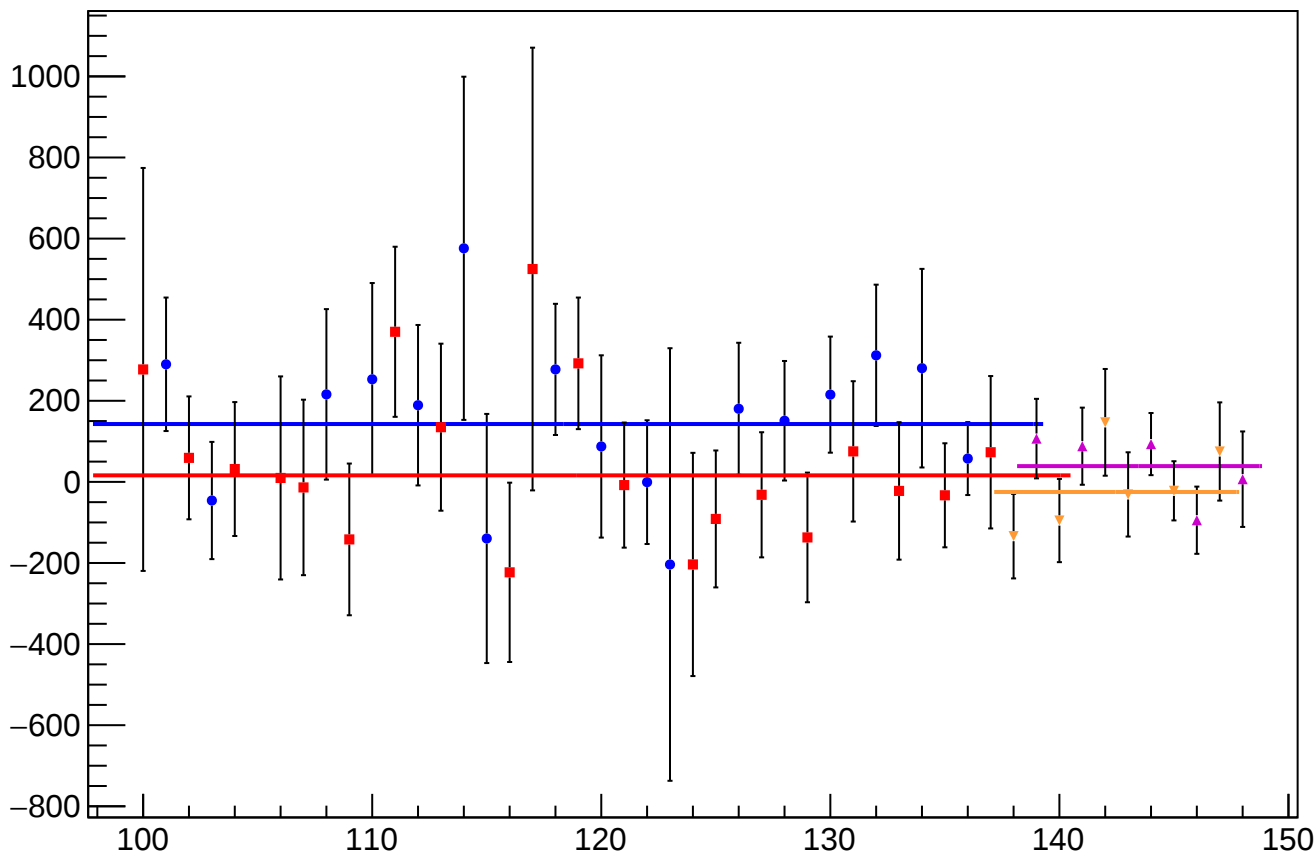
Left In: 923.284 $\pm$ 0.328 χ^2 /NDF: 154364.3/4

1100.008 $\pm$ 0.249 χ^2 /NDF: 1899388.1/22

1129.842 $\pm$ 0.179 χ^2 /NDF: 3914976.6/47

1161.840 $\pm$ 0.258 χ^2 /NDF: 1985829.8/24

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: -24.898 $\pm$ 41.059 χ^2 /NDF:3.9/5

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

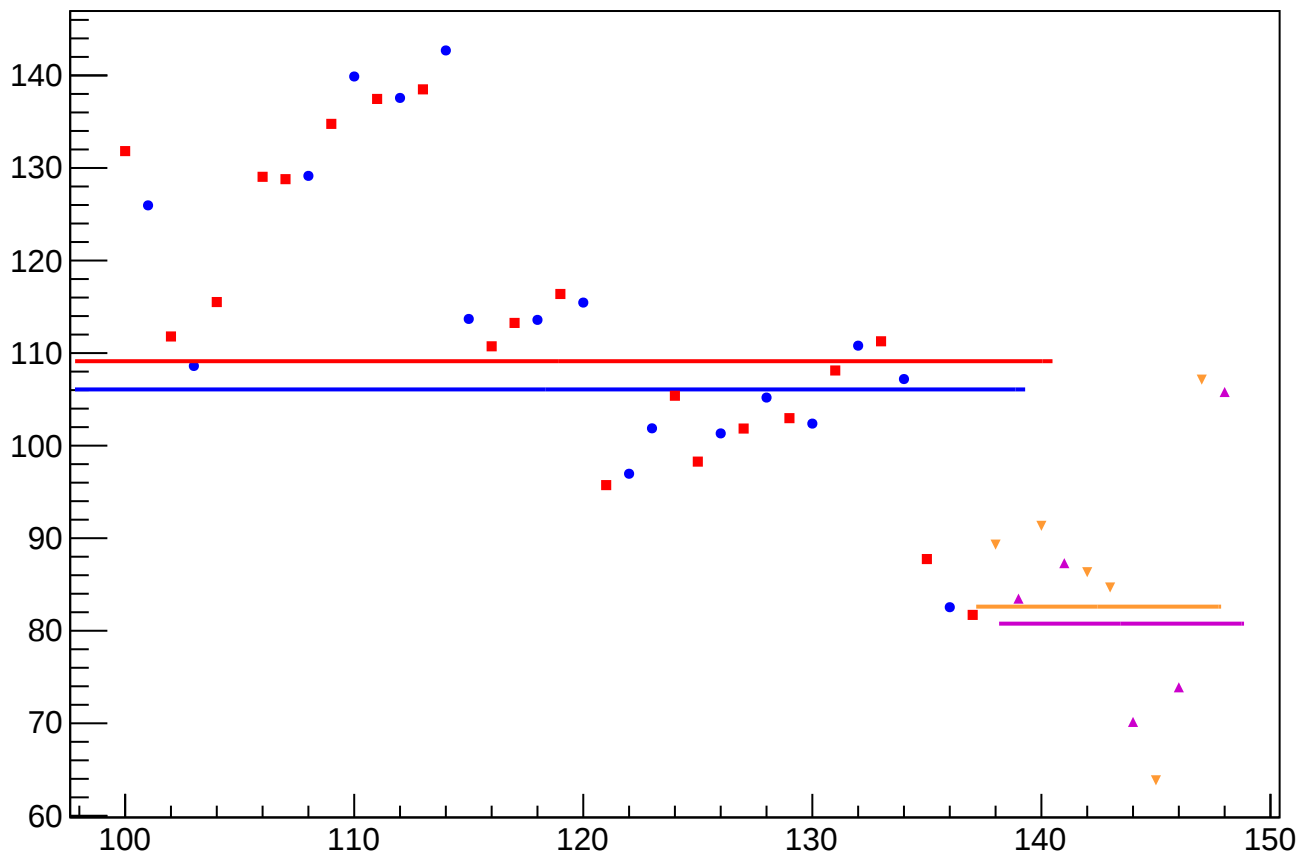
Left In: 38.898 $\pm$ 40.738 χ^2 /NDF:3.9/4

57.745 $\pm$ 29.231 χ^2 /NDF: 21.5/22

42.575 $\pm$ 20.585 χ^2 /NDF: 37.8/47

27.650 $\pm$ 28.995 χ^2 /NDF: 15.8/24

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: 82.606 $\pm$ 0.029 χ^2 /NDF: 239374.5/5

Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

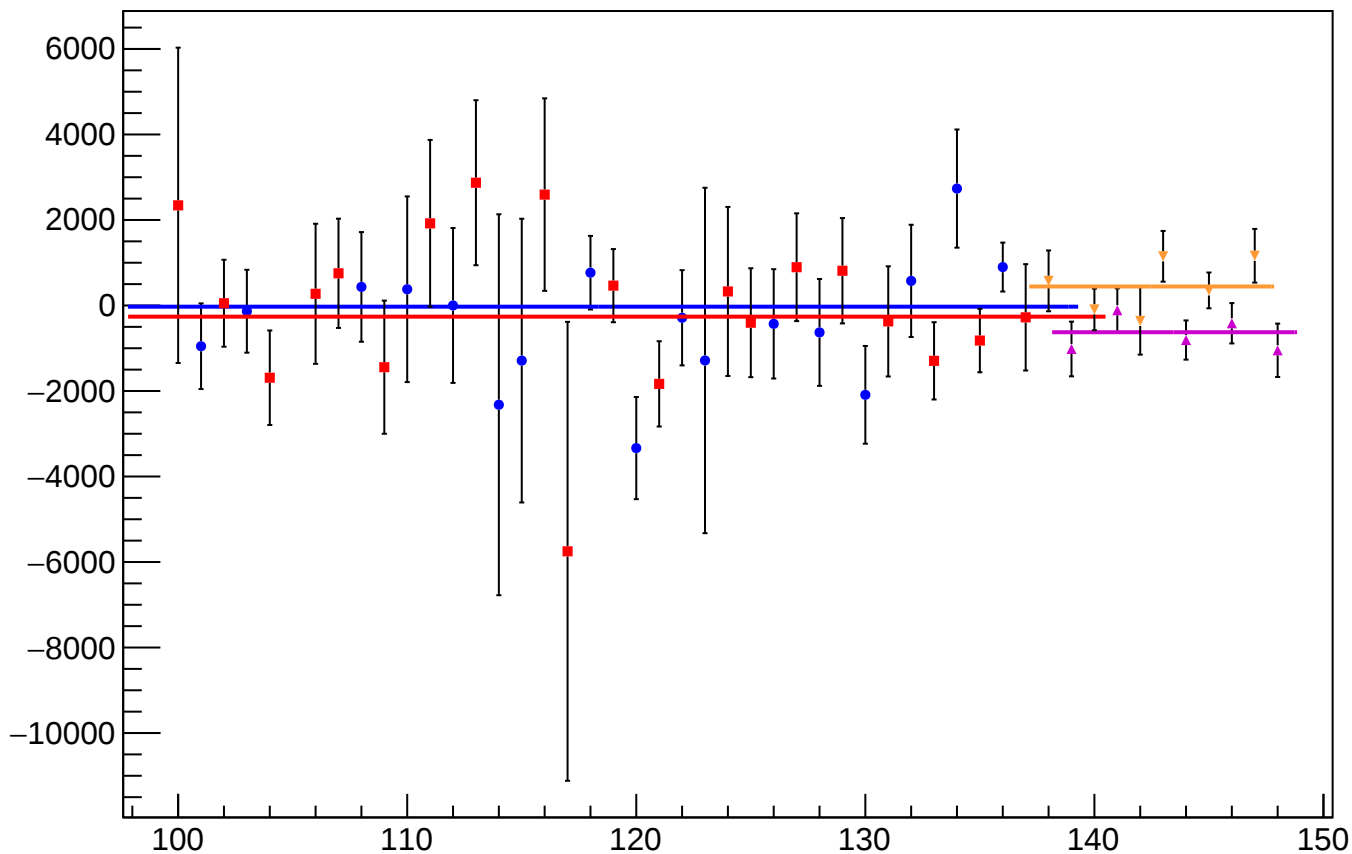
Left In: 80.767 $\pm$ 0.029 χ^2 /NDF: 153507.7/4

94.179 $\pm$ 0.021 χ^2 /NDF: 879490.8/22

94.471 $\pm$ 0.015 χ^2 /NDF: 1797061.3/47

94.759 $\pm$ 0.021 χ^2 /NDF: 917173.6/24

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 $\pm$ 283.741 χ^2/NDF : 20.5/16

Left Out: 444.757 $\pm$ 230.046 χ^2/NDF : 5.1/5

Right Out: -261.265 $\pm$ 279.073 χ^2/NDF : 16.9/19

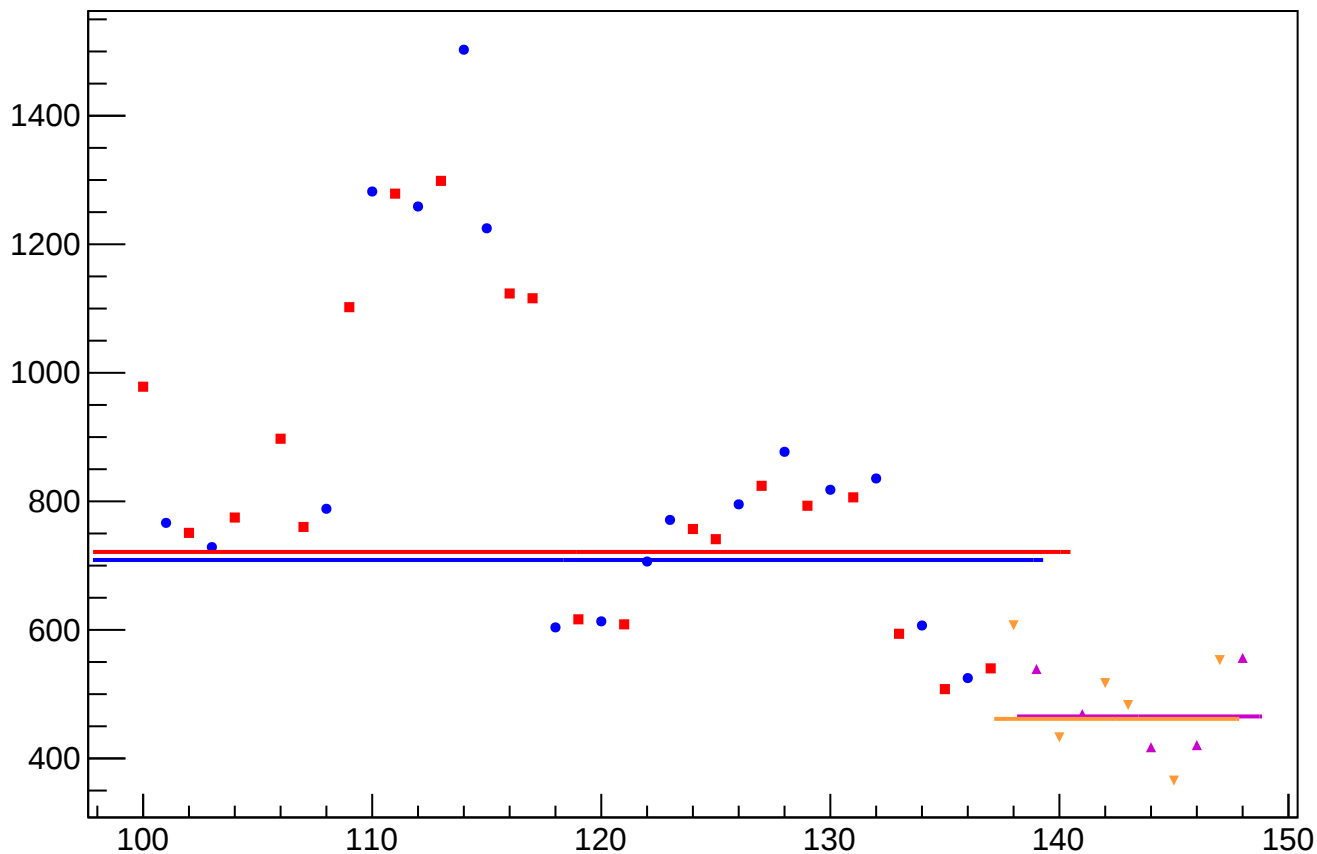
Left In: -625.334 $\pm$ 235.084 χ^2/NDF : 2.2/4

257.264 $\pm$ 178.694 χ^2/NDF : 27.3/22

-106.233 $\pm$ 126.743 χ^2/NDF : 55.7/47

-474.221 $\pm$ 179.795 χ^2/NDF : 20.1/24

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784 ± 0.201 χ^2/NDF : 793538.1/16

Left Out: 461.552 ± 0.163 χ^2/NDF : 251120.7/5

Right Out: 721.271 ± 0.197 χ^2/NDF : 910781.0/19

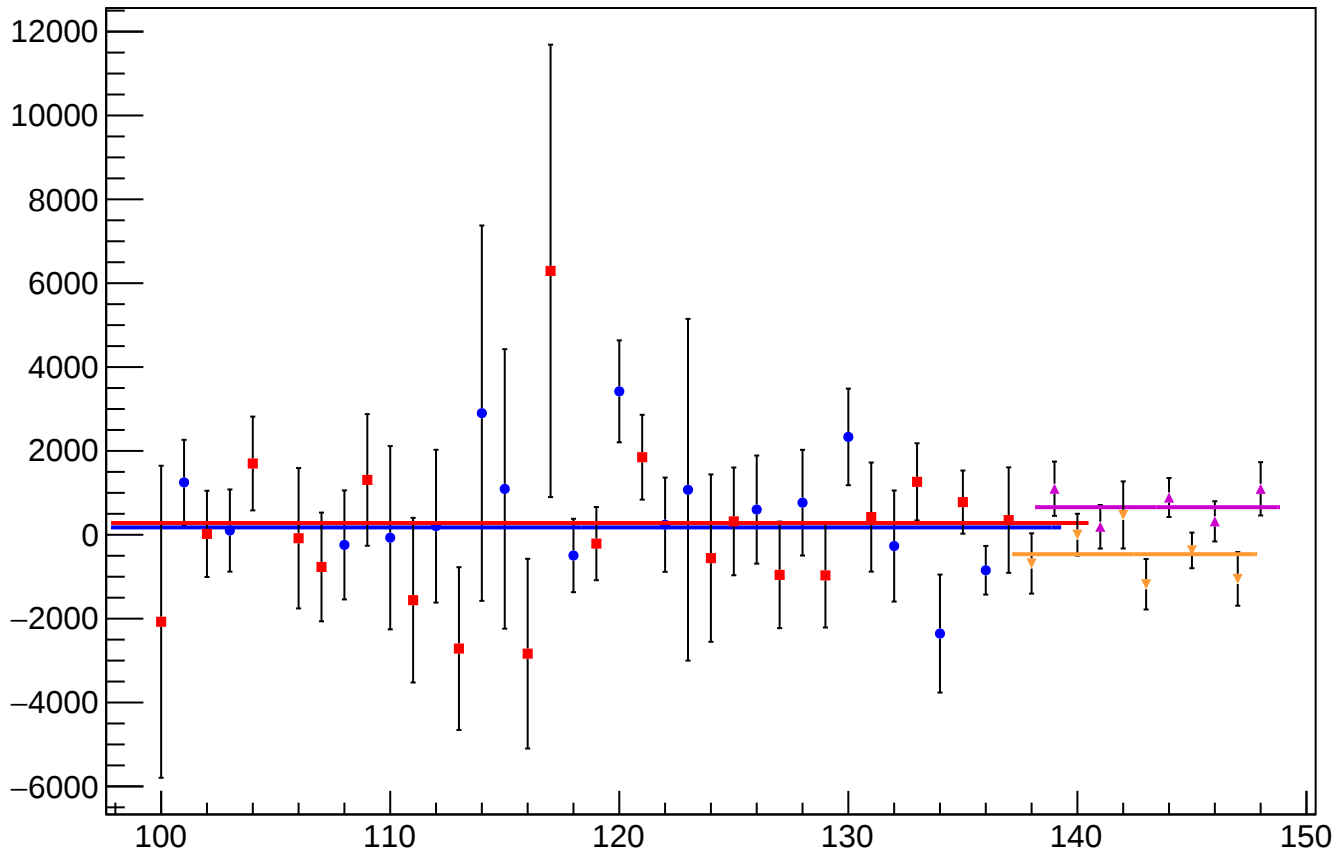
Left In: 465.323 ± 0.166 χ^2/NDF : 109019.9/4

559.609 ± 0.126 χ^2/NDF : 1960846.9/22

565.547 ± 0.090 χ^2/NDF : 3969113.6/47

571.558 ± 0.127 χ^2/NDF : 2003822.8/24

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: -462.694 $\pm$ 233.929 χ^2 /NDF: 4.7/5

Right Out: 281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

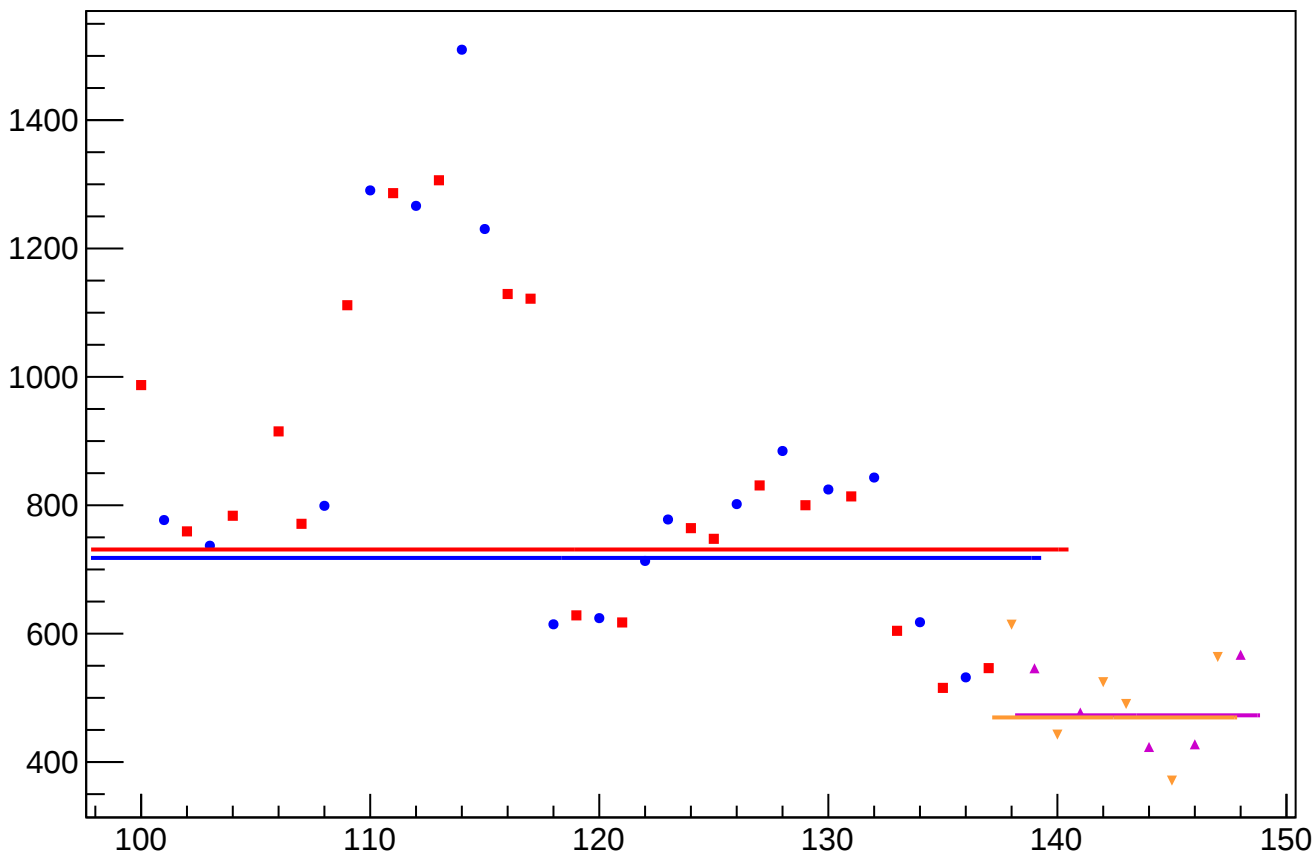
Left In: 658.450 $\pm$ 238.799 χ^2 /NDF: 2.5/4

-208.038 $\pm$ 181.381 χ^2 /NDF: 27.4/22

144.620 $\pm$ 128.622 χ^2 /NDF: 54.6/47

501.338 $\pm$ 182.422 χ^2 /NDF: 19.6/24

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: 469.478 $\pm$ 0.165 χ^2/NDF : 248964.7/5

Right Out: 731.116 $\pm$ 0.200 χ^2/NDF : 892357.6/19

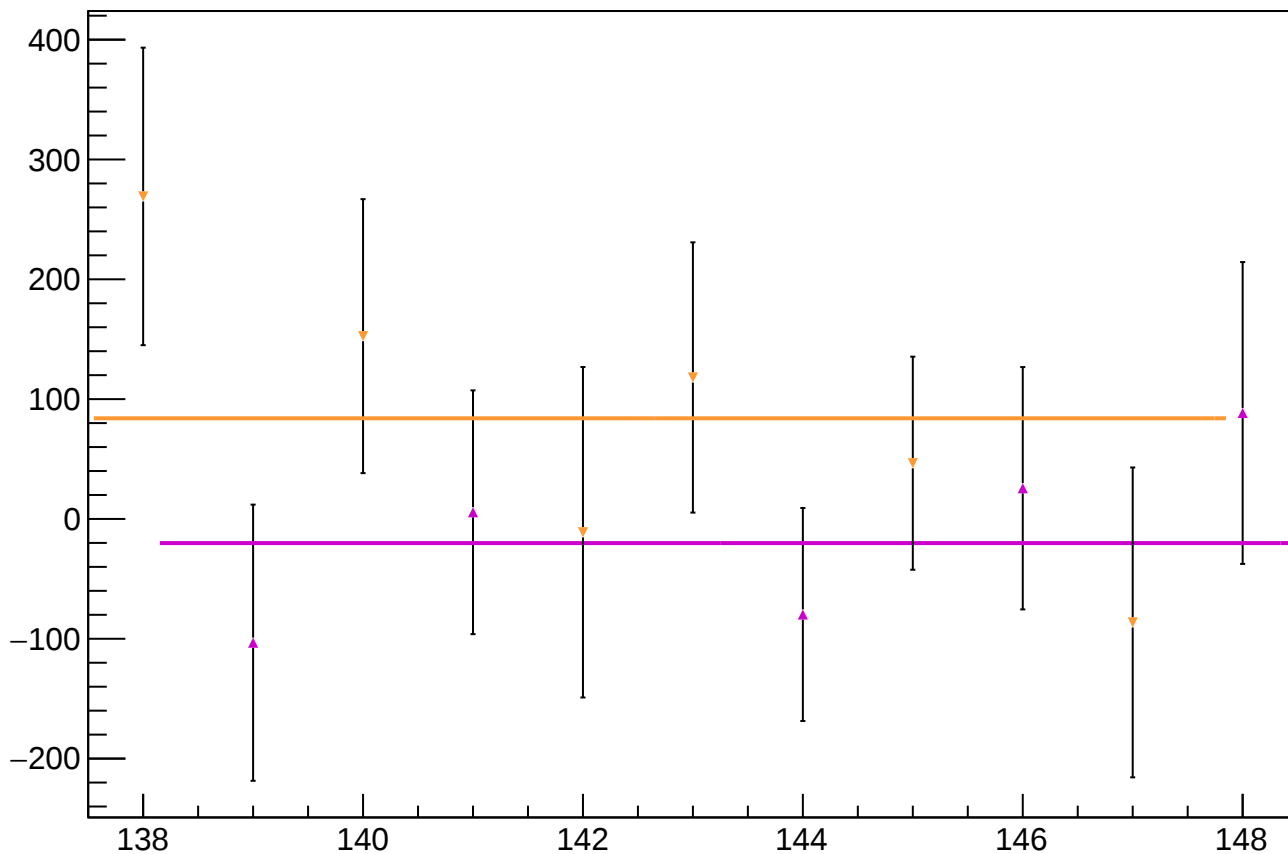
Left In: 472.774 $\pm$ 0.169 χ^2/NDF : 109985.8/4

568.579 $\pm$ 0.128 χ^2/NDF : 1927577.7/22

574.434 $\pm$ 0.091 χ^2/NDF : 3908883.8/47

580.356 $\pm$ 0.129 χ^2/NDF : 1977113.9/24

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 84.016+/-46.682 χ^2/NDF : 5.1/5

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

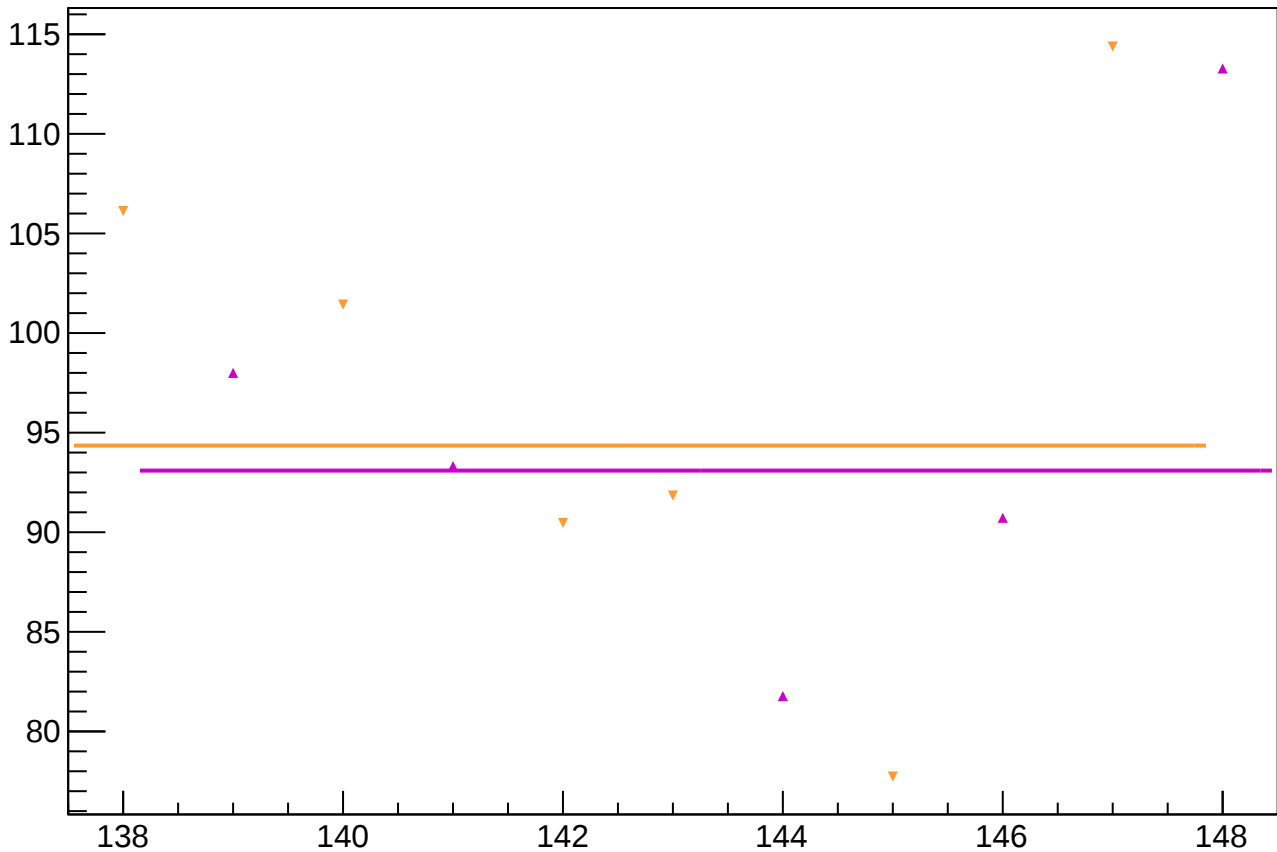
Left In: -20.146+/-46.661 χ^2/NDF : 2.0/4

84.016+/-46.682 χ^2/NDF : 5.1/5

31.912+/-33.002 χ^2/NDF : 9.5/10

-20.146+/-46.661 χ^2/NDF : 2.0/4

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 94.353+/-0.033 χ^2/NDF : 146093.0/5

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

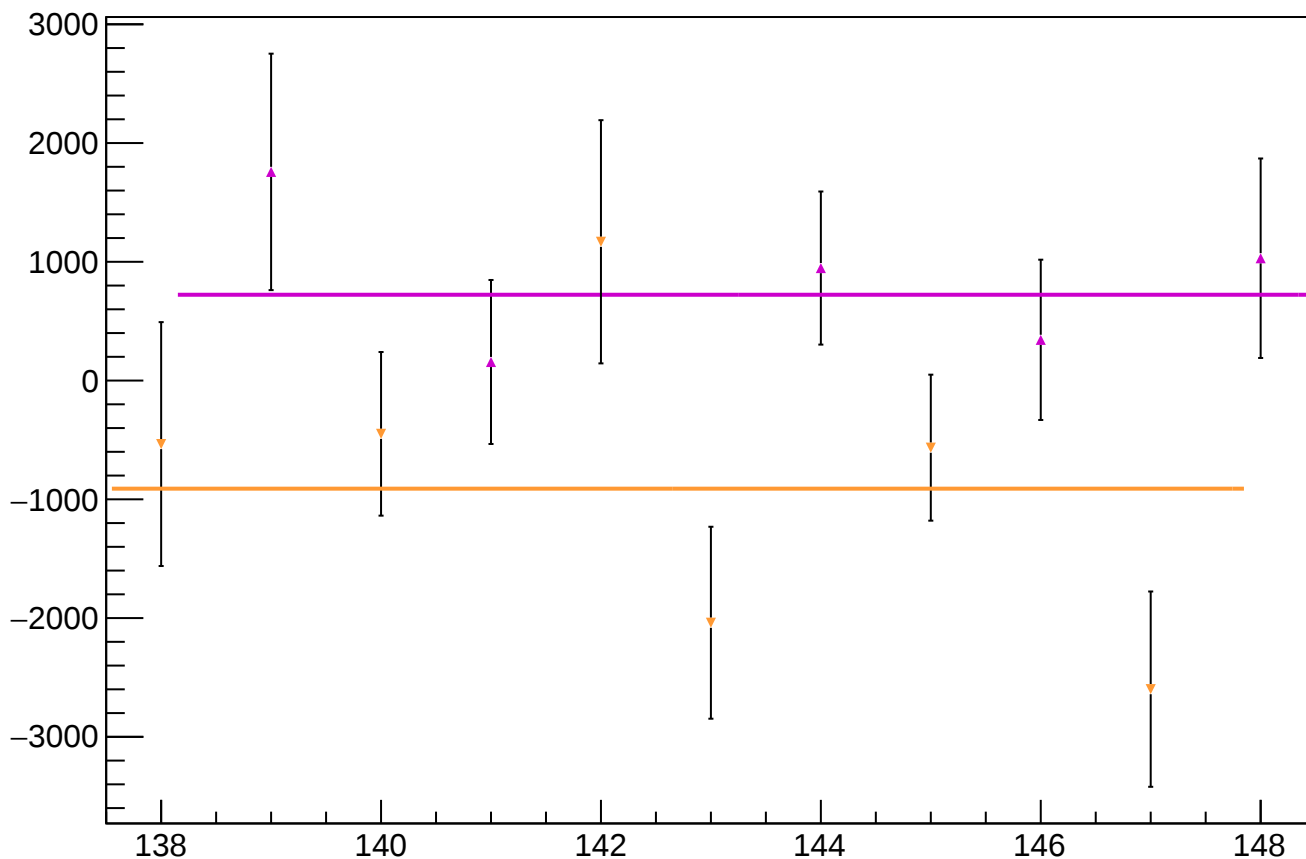
Left In: 93.095+/-0.033 χ^2/NDF : 88529.8/4

94.353+/-0.033 χ^2/NDF : 146093.0/5

93.723+/-0.023 χ^2/NDF : 235349.2/10

93.095+/-0.033 χ^2/NDF : 88529.8/4

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -910.262+/-321.650 χ^2/NDF : 11.2/5

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

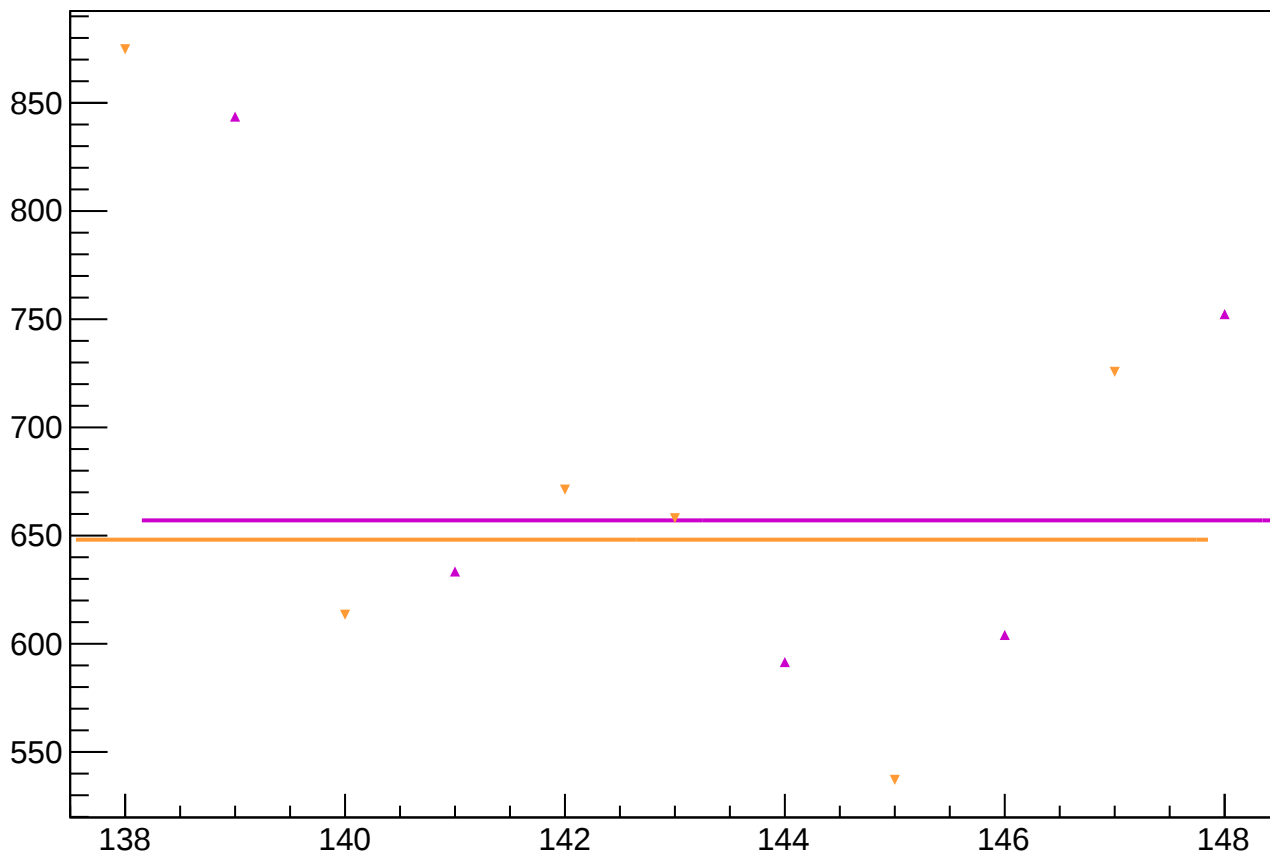
Left In: 722.584+/-331.004 χ^2/NDF : 2.3/4

-910.262+/-321.650 χ^2/NDF : 11.2/5

-117.238+/-230.677 χ^2/NDF : 26.0/10

722.584+/-331.004 χ^2/NDF : 2.3/4

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 648.121+/-0.227 χ^2/NDF : 186871.6/5

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

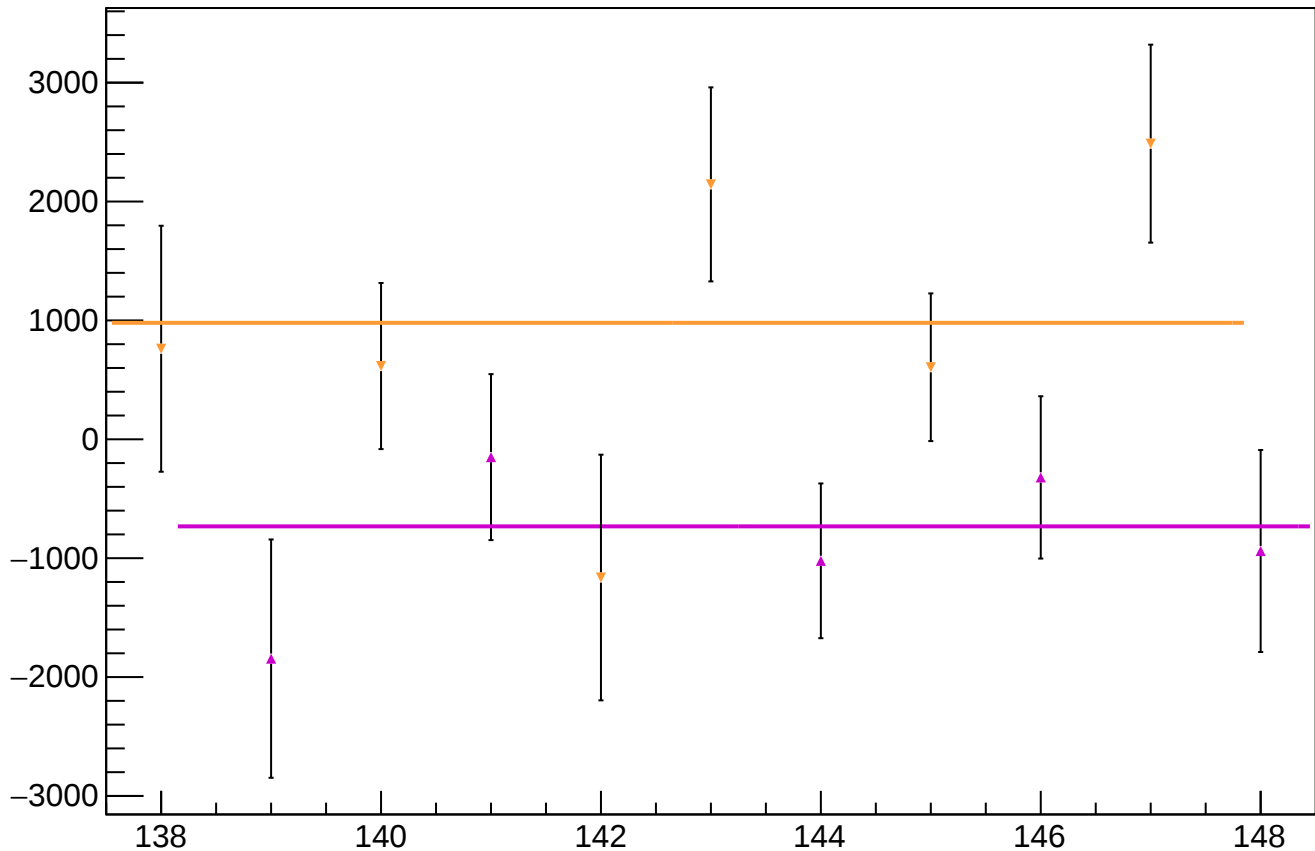
Left In: 657.039+/-0.234 χ^2/NDF : 131357.1/4

648.121+/-0.227 χ^2/NDF : 186871.6/5

652.452+/-0.163 χ^2/NDF : 318975.3/10

657.039+/-0.234 χ^2/NDF : 131357.1/4

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 979.741+/-325.198 χ^2/NDF : 10.3/5

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

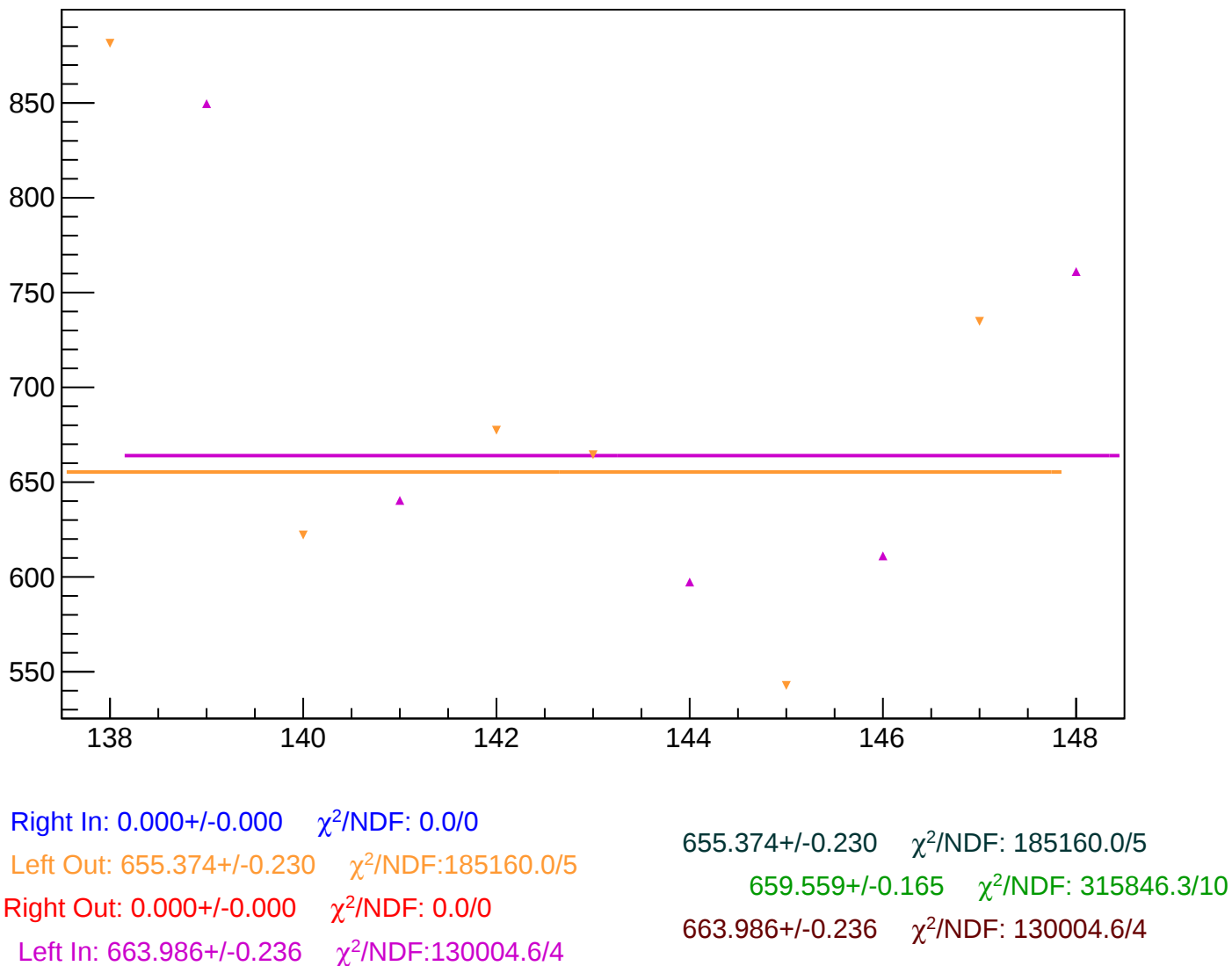
Left In: -732.287+/-334.442 χ^2/NDF : 2.5/4

979.741+/-325.198 χ^2/NDF : 10.3/5

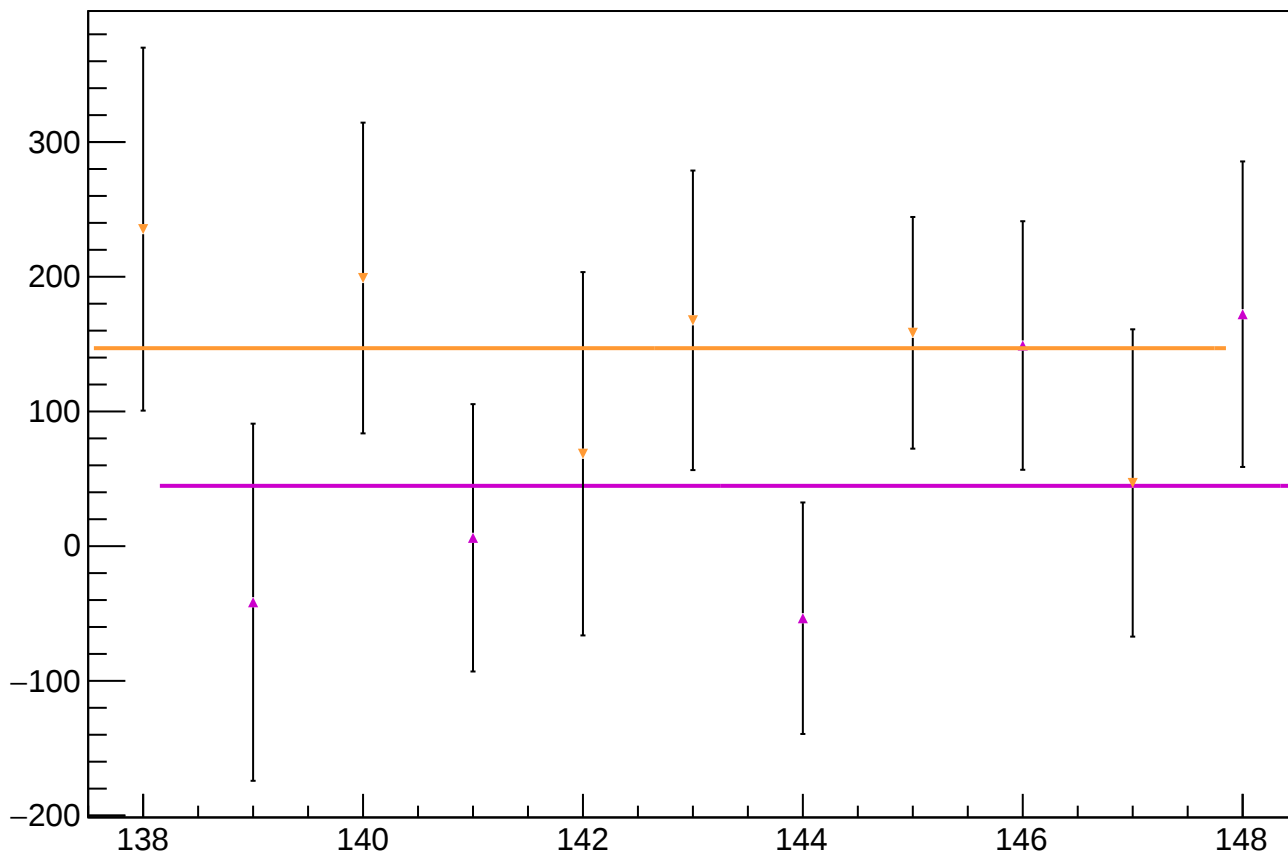
147.712+/-233.149 χ^2/NDF : 26.3/10

-732.287+/-334.442 χ^2/NDF : 2.5/4

asym_sam_1548_avg_rms vs Slug, Sign Corrected



reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 146.975+/-45.730 χ^2/NDF : 1.8/5

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

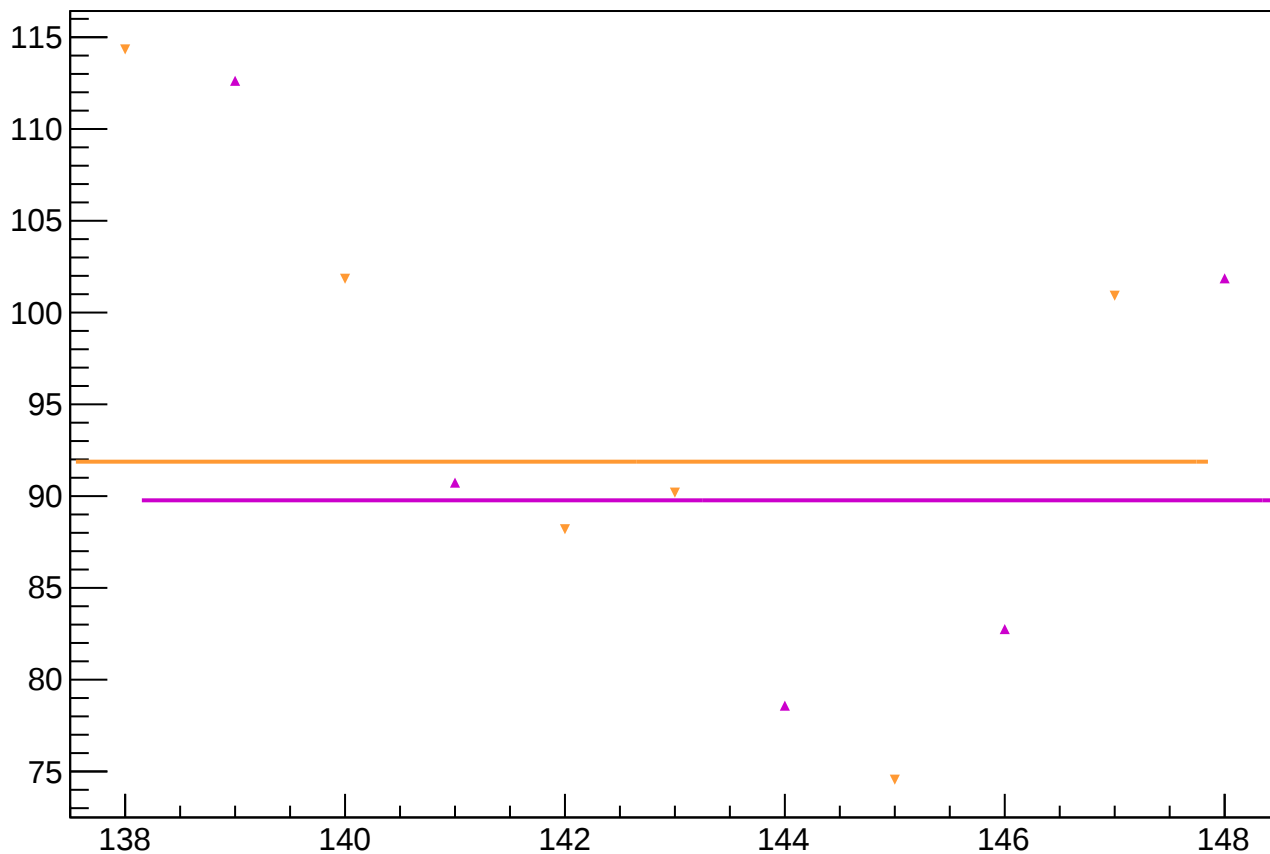
Left In: 44.786+/-45.218 χ^2/NDF : 4.4/4

146.975+/-45.730 χ^2/NDF : 1.8/5

95.305+/-32.153 χ^2/NDF : 8.7/10

44.786+/-45.218 χ^2/NDF : 4.4/4

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.876+/-0.032 χ^2/NDF : 166180.4/5

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

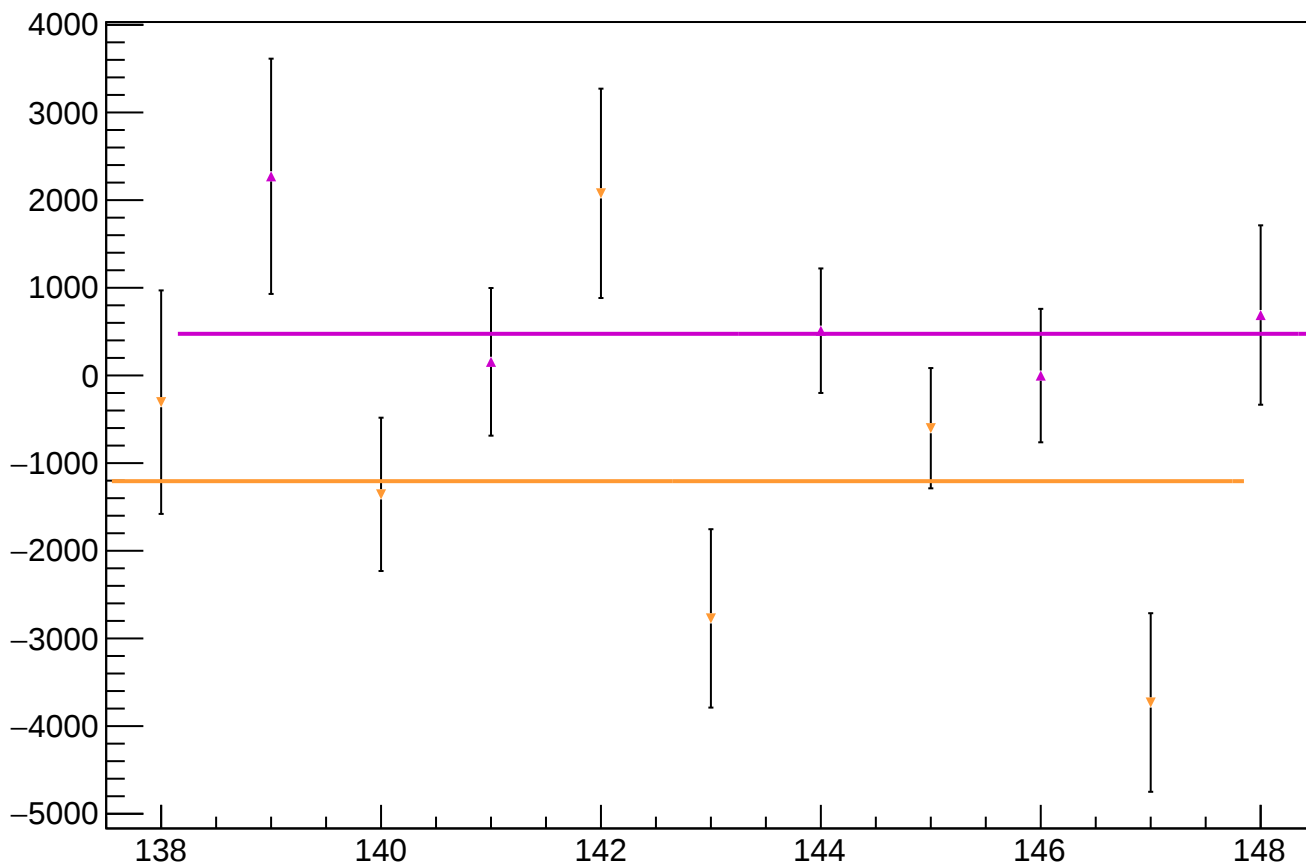
Left In: 89.771+/-0.032 χ^2/NDF : 127840.0/4

91.876+/-0.032 χ^2/NDF : 166180.4/5

90.812+/-0.023 χ^2/NDF : 296163.9/10

89.771+/-0.032 χ^2/NDF : 127840.0/4

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1205.919 $\pm$ 386.941 χ^2 /NDF: 17.4/5

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

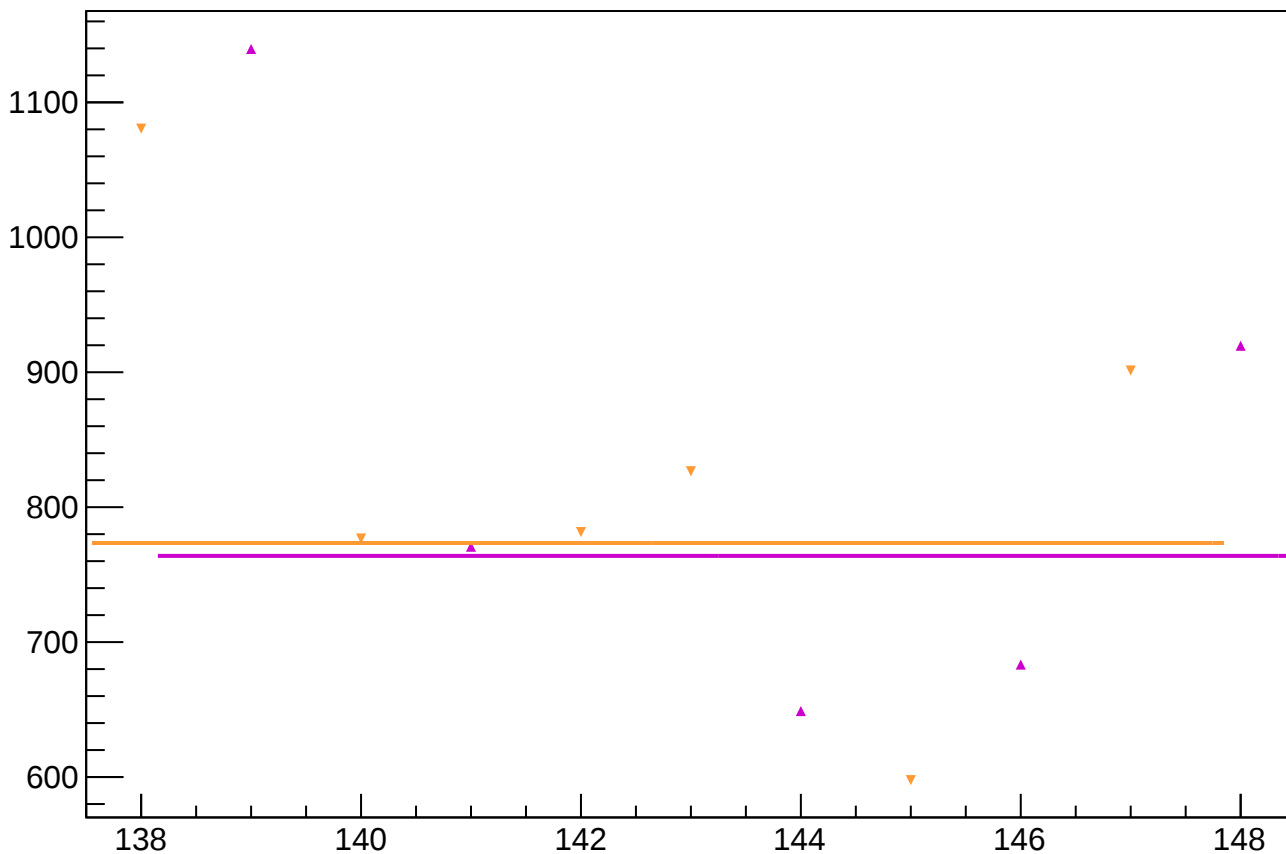
Left In: 475.002 $\pm$ 388.409 χ^2 /NDF: 2.4/4

-1205.919 $\pm$ 386.941 χ^2 /NDF: 17.4/5

-368.642 $\pm$ 274.126 χ^2 /NDF: 29.2/10

475.002 $\pm$ 388.409 χ^2 /NDF: 2.4/4

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 773.453+/-0.274 χ^2/NDF : 284378.0/5

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

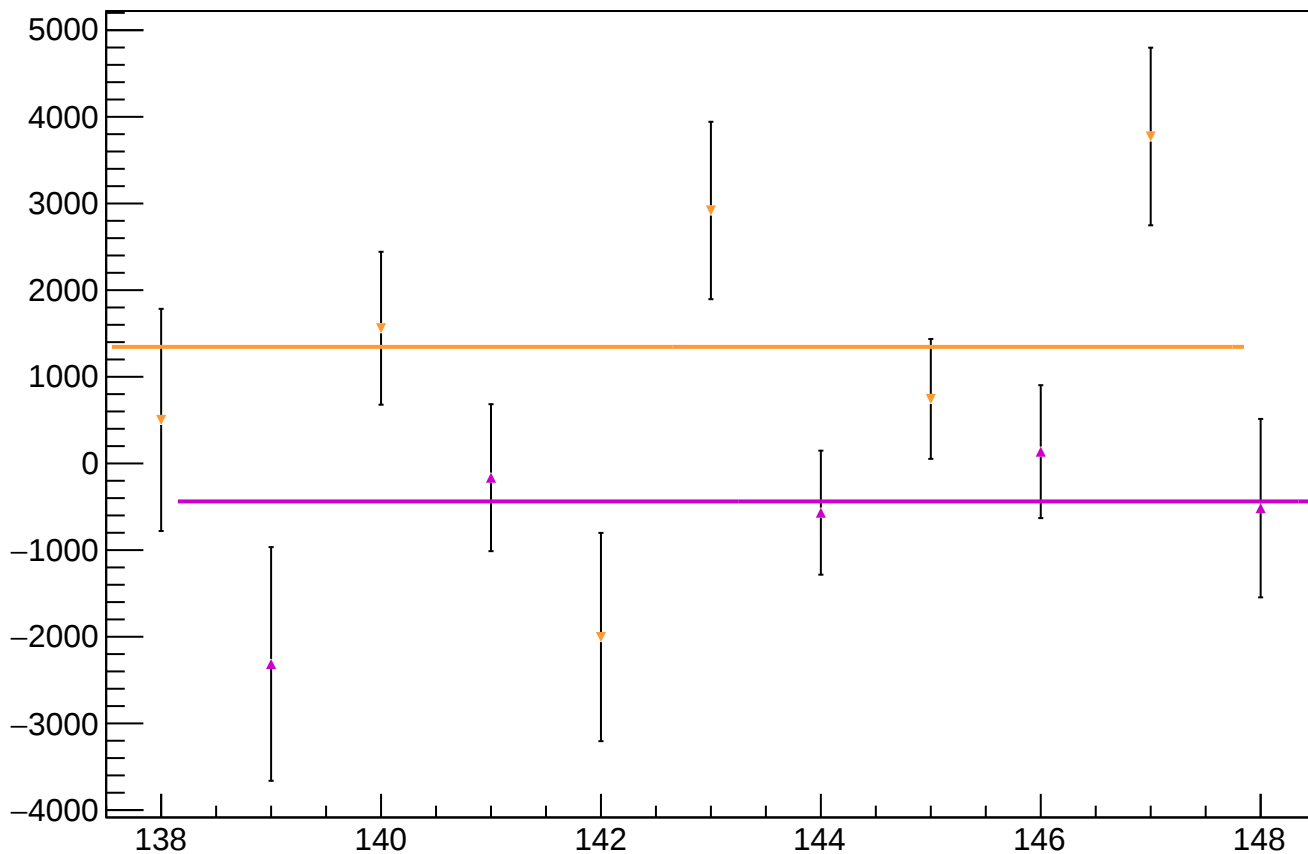
Left In: 763.897+/-0.275 χ^2/NDF : 278055.2/4

773.453+/-0.274 χ^2/NDF : 284378.0/5

768.693+/-0.194 χ^2/NDF : 563040.8/10

763.897+/-0.275 χ^2/NDF : 278055.2/4

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1345.414+/-389.763 χ^2/NDF : 17.0/5

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

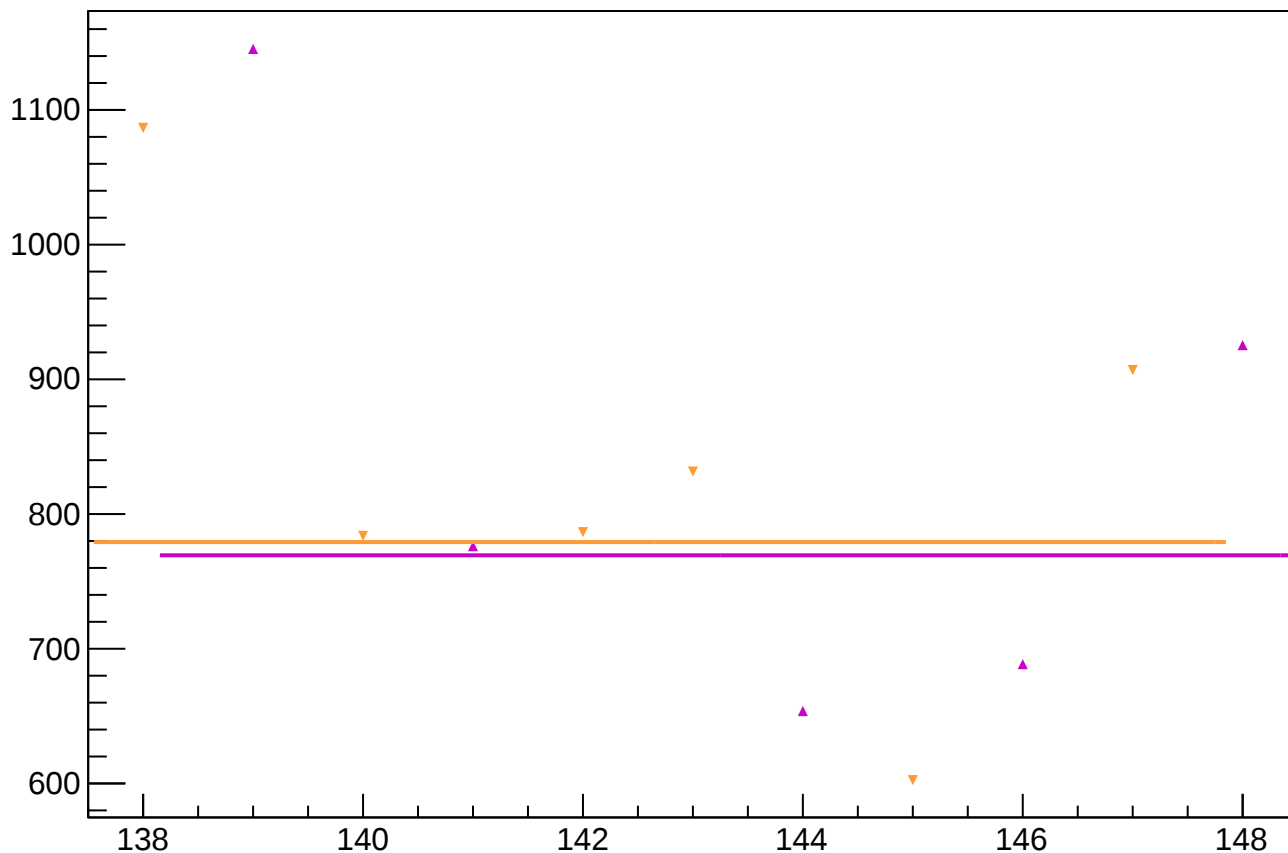
Left In: -438.277+/-391.136 χ^2/NDF : 2.6/4

1345.414+/-389.763 χ^2/NDF : 17.0/5

456.705+/-276.088 χ^2/NDF : 30.1/10

-438.277+/-391.136 χ^2/NDF : 2.6/4

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.201+/-0.276 χ^2/NDF : 282143.0/5

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

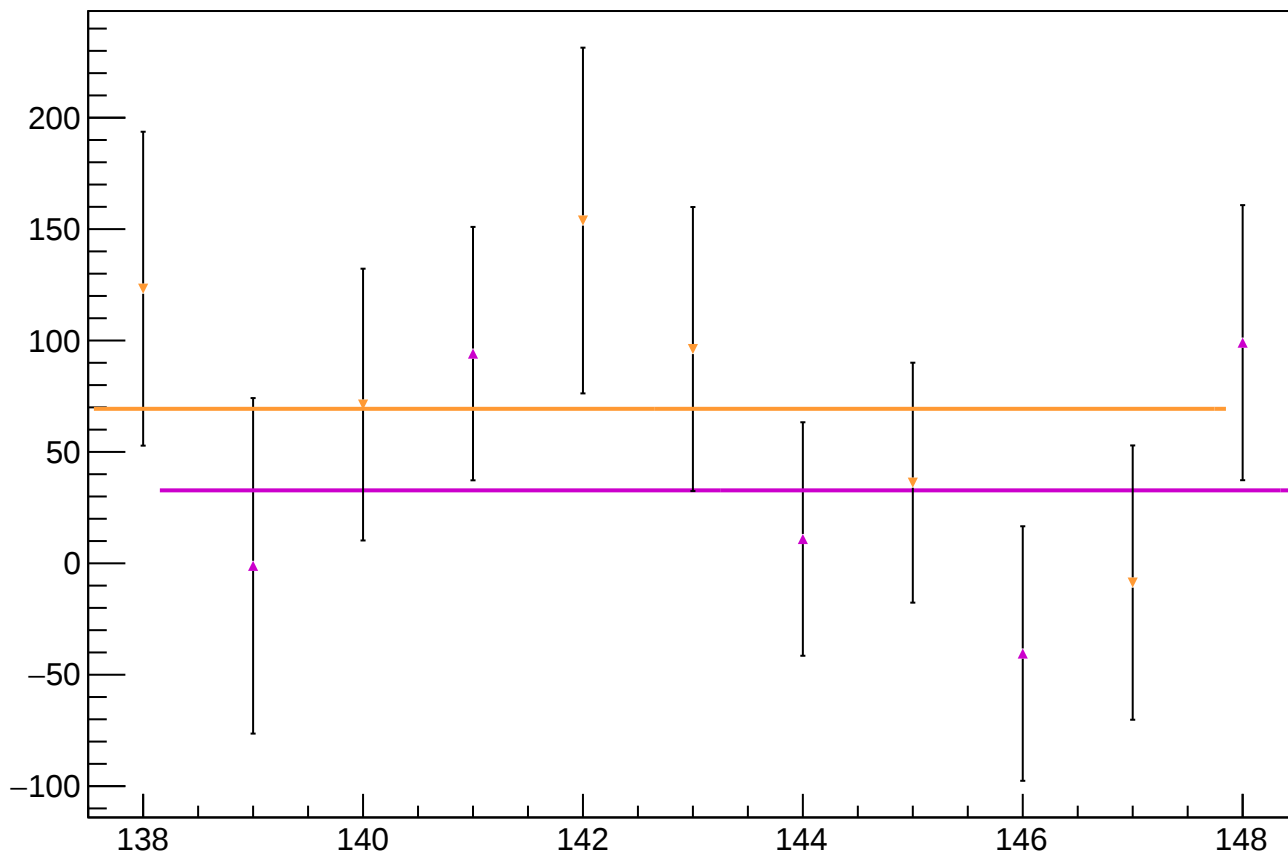
Left In: 769.393+/-0.277 χ^2/NDF : 275866.4/4

779.201+/-0.276 χ^2/NDF : 282143.0/5

774.314+/-0.195 χ^2/NDF : 558640.4/10

769.393+/-0.277 χ^2/NDF : 275866.4/4

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 69.347+/-25.893 χ^2/NDF : 3.9/5

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

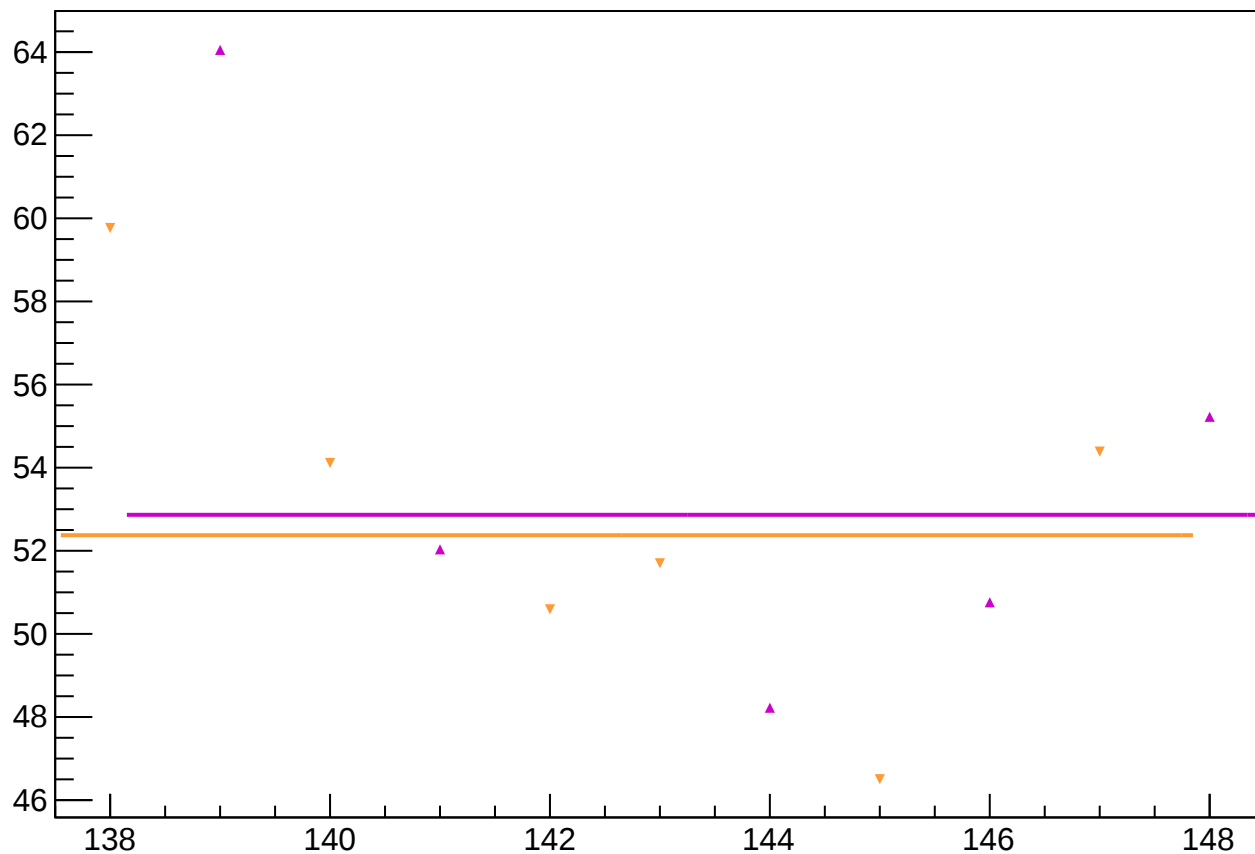
Left In: 32.751+/-26.548 χ^2/NDF : 4.3/4

69.347+/-25.893 χ^2/NDF : 3.9/5

51.506+/-18.537 χ^2/NDF : 9.2/10

32.751+/-26.548 χ^2/NDF : 4.3/4

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 52.375+/-0.018 χ^2/NDF : 50851.5/5

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

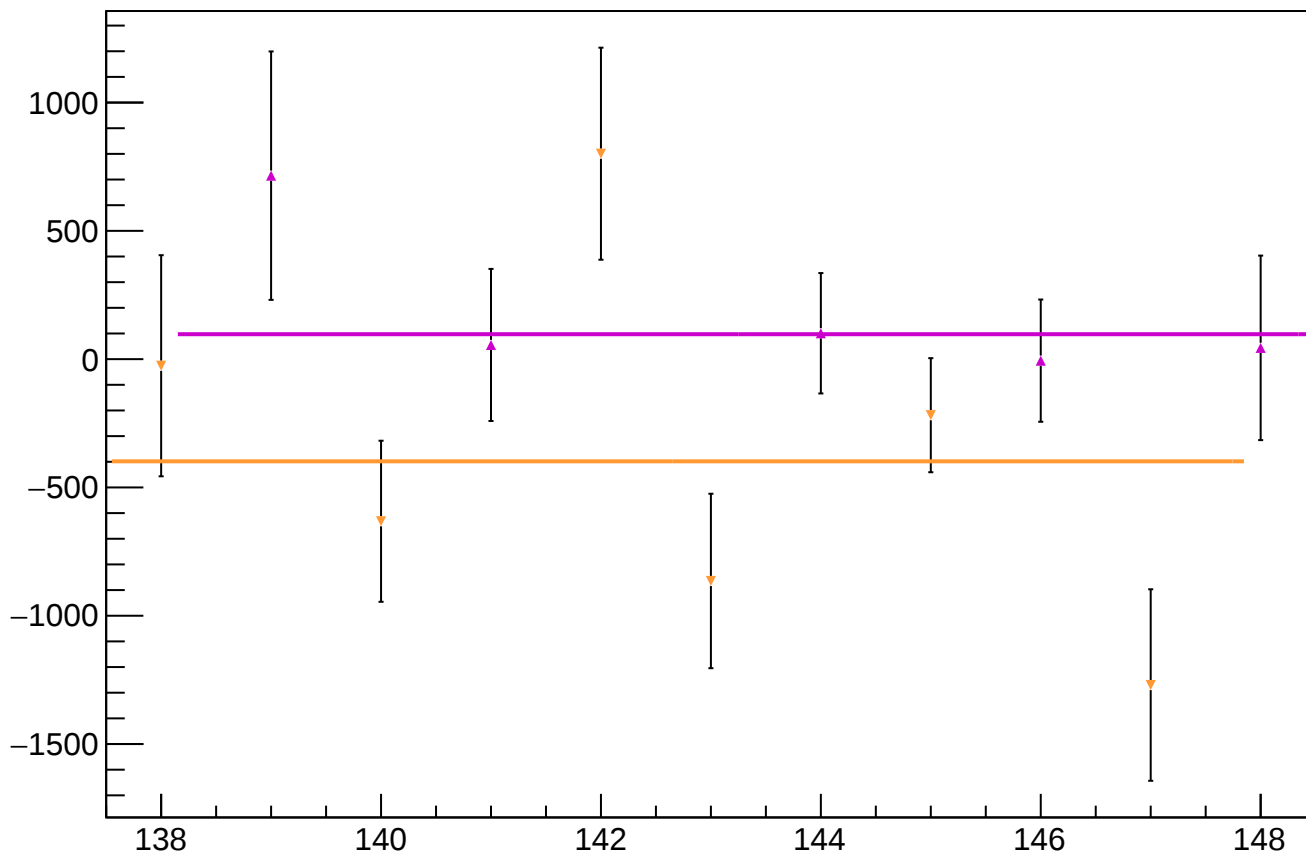
Left In: 52.865+/-0.019 χ^2/NDF : 65908.6/4

52.375+/-0.018 χ^2/NDF : 50851.5/5

52.614+/-0.013 χ^2/NDF : 117110.2/10

52.865+/-0.019 χ^2/NDF : 65908.6/4

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -398.199+/-131.920 χ^2/NDF : 17.7/5

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

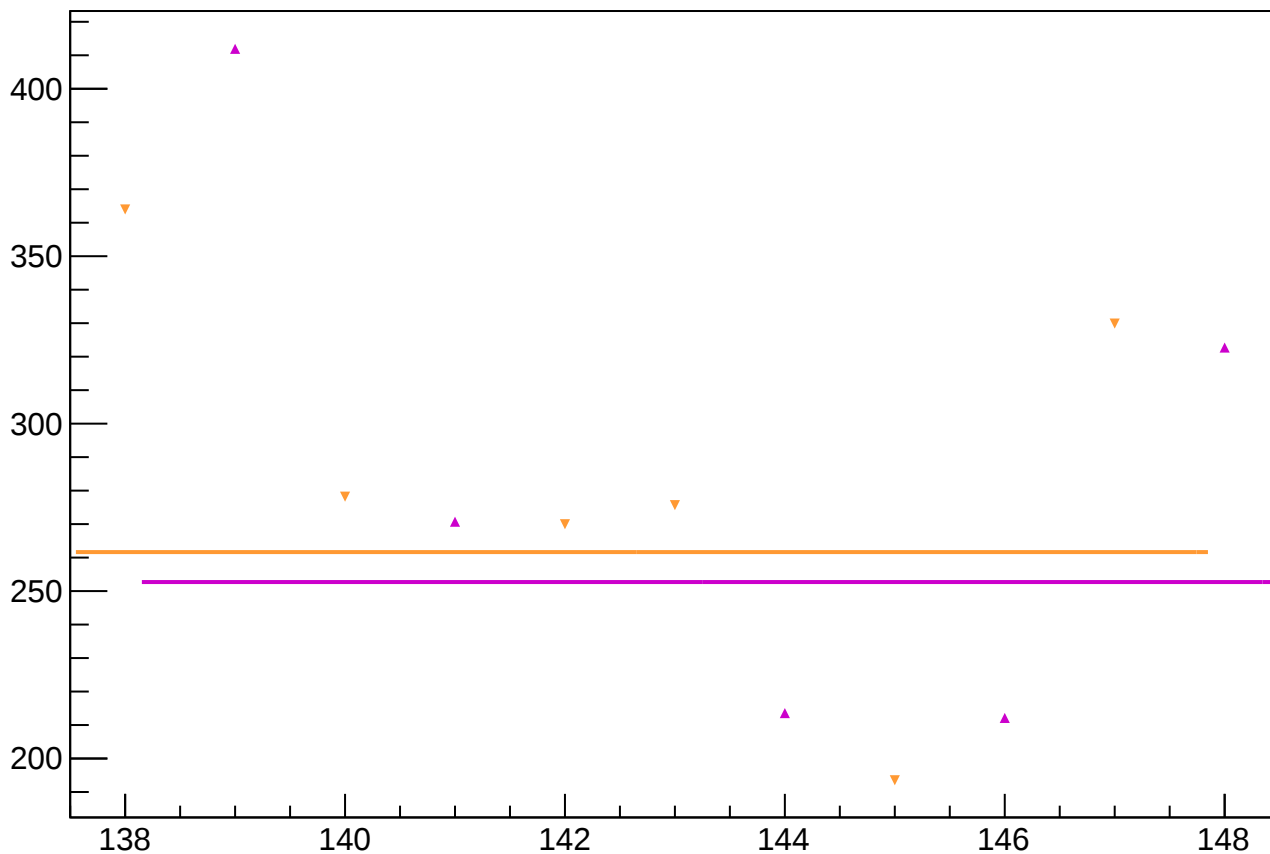
Left In: 97.173+/-129.983 χ^2/NDF : 1.9/4

-398.199+/-131.920 χ^2/NDF : 17.7/5

-146.850+/-92.589 χ^2/NDF : 26.7/10

97.173+/-129.983 χ^2/NDF : 1.9/4

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 261.645+/-0.093 χ^2/NDF : 377338.2/5

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

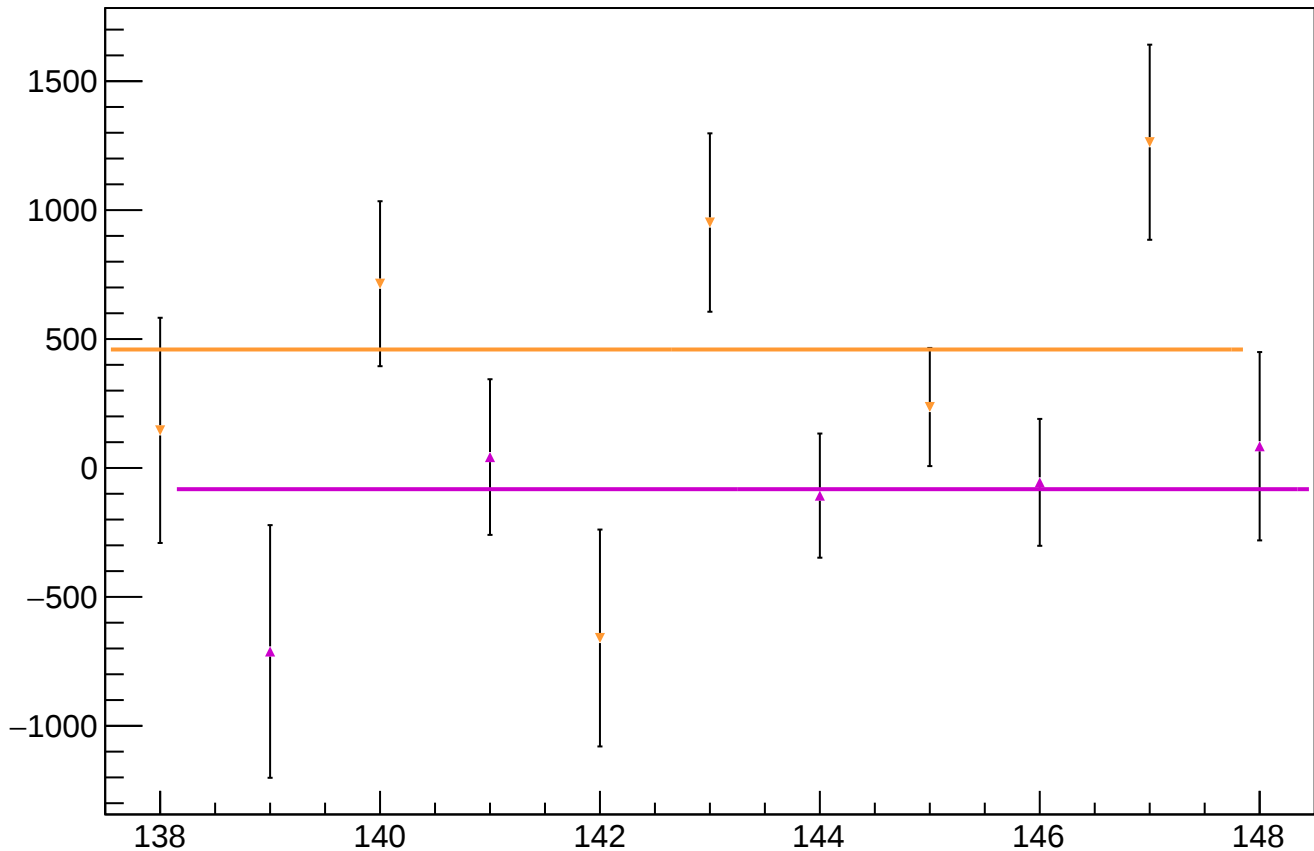
Left In: 252.698+/-0.092 χ^2/NDF : 413346.9/4

261.645+/-0.093 χ^2/NDF : 377338.2/5

257.105+/-0.065 χ^2/NDF : 795353.2/10

252.698+/-0.092 χ^2/NDF : 413346.9/4

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 459.492+/-134.755 χ^2/NDF : 15.7/5

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

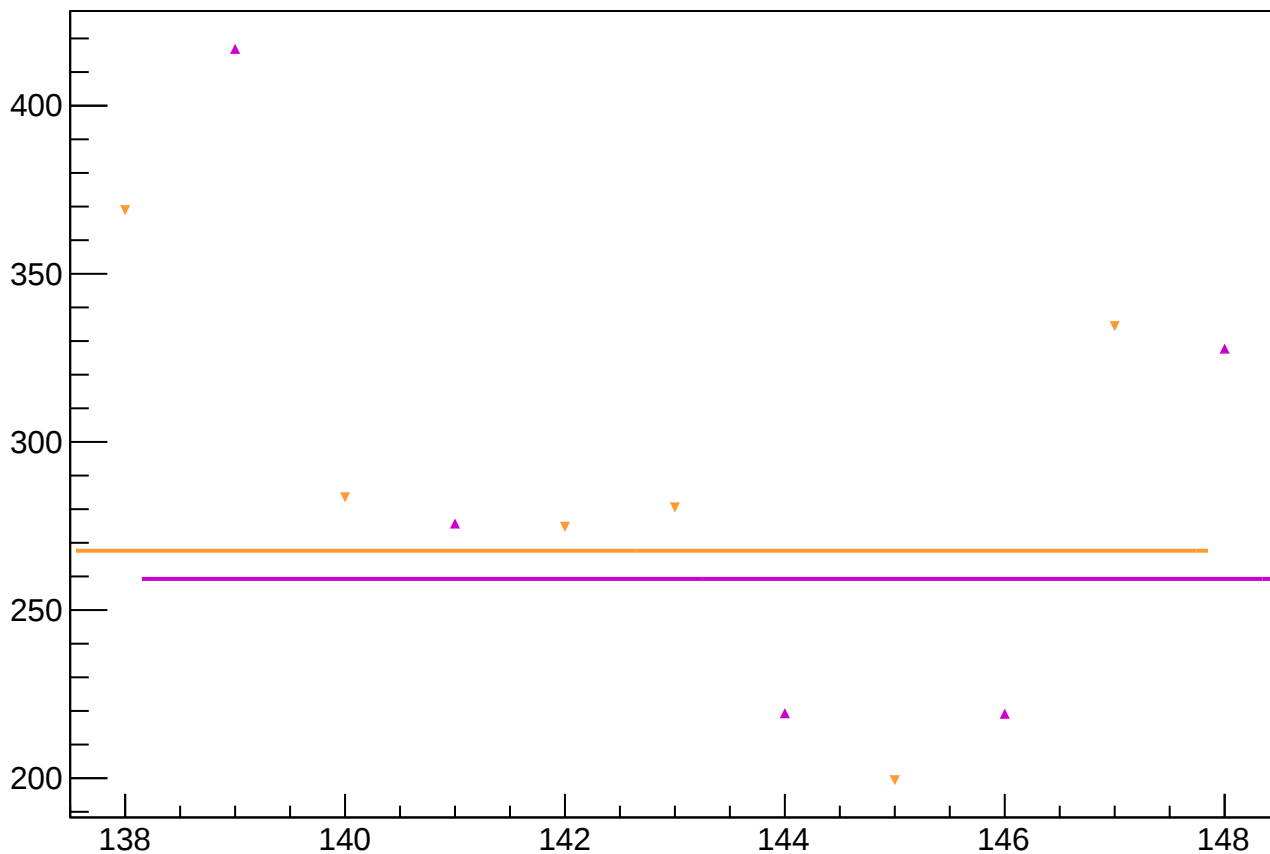
Left In: -82.211+/-133.139 χ^2/NDF : 2.1/4

459.492+/-134.755 χ^2/NDF : 15.7/5

185.371+/-94.710 χ^2/NDF : 25.9/10

-82.211+/-133.139 χ^2/NDF : 2.1/4

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 267.644+/-0.095 χ^2/NDF : 355727.4/5

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

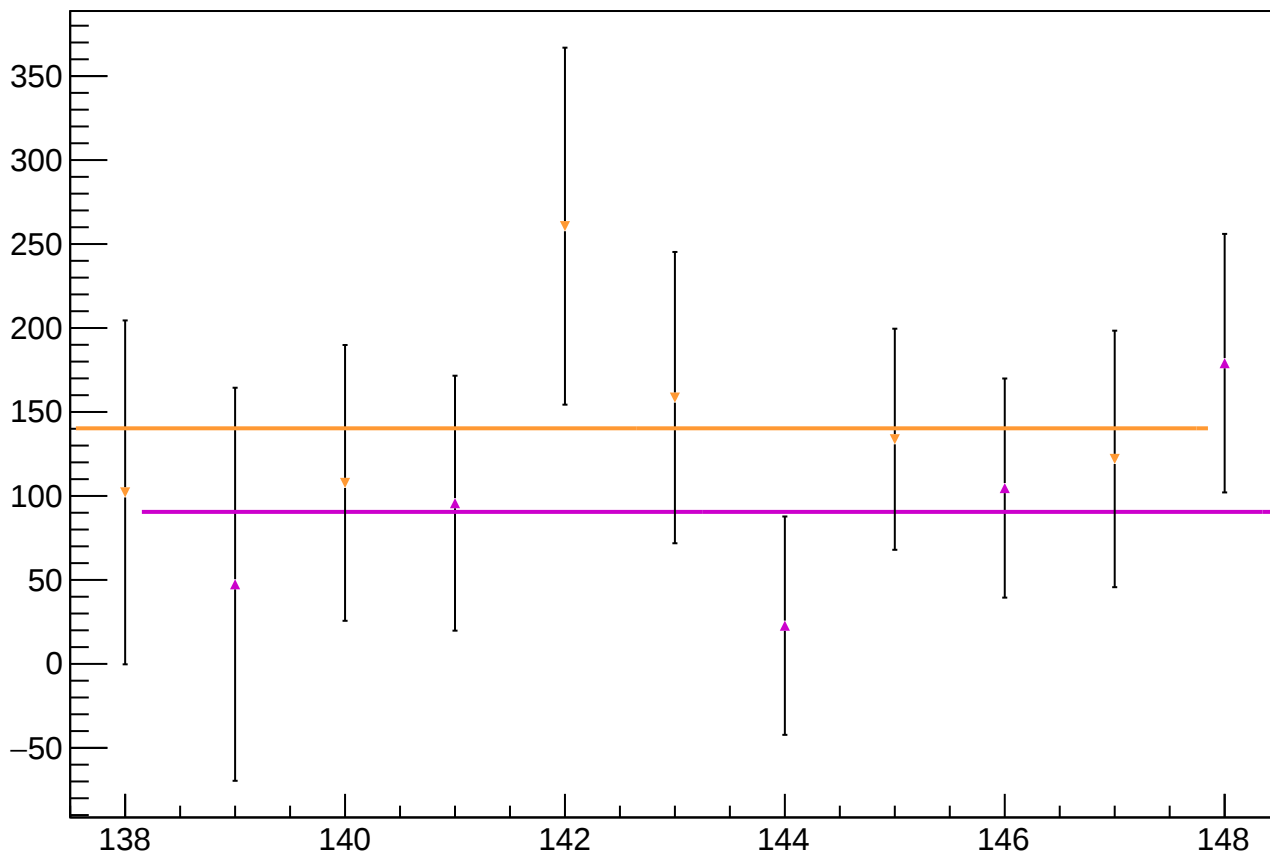
Left In: 259.266+/-0.094 χ^2/NDF : 391516.7/4

267.644+/-0.095 χ^2/NDF : 355727.4/5

263.404+/-0.067 χ^2/NDF : 751155.6/10

259.266+/-0.094 χ^2/NDF : 391516.7/4

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 140.270+/-33.952 χ^2/NDF : 1.7/5

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

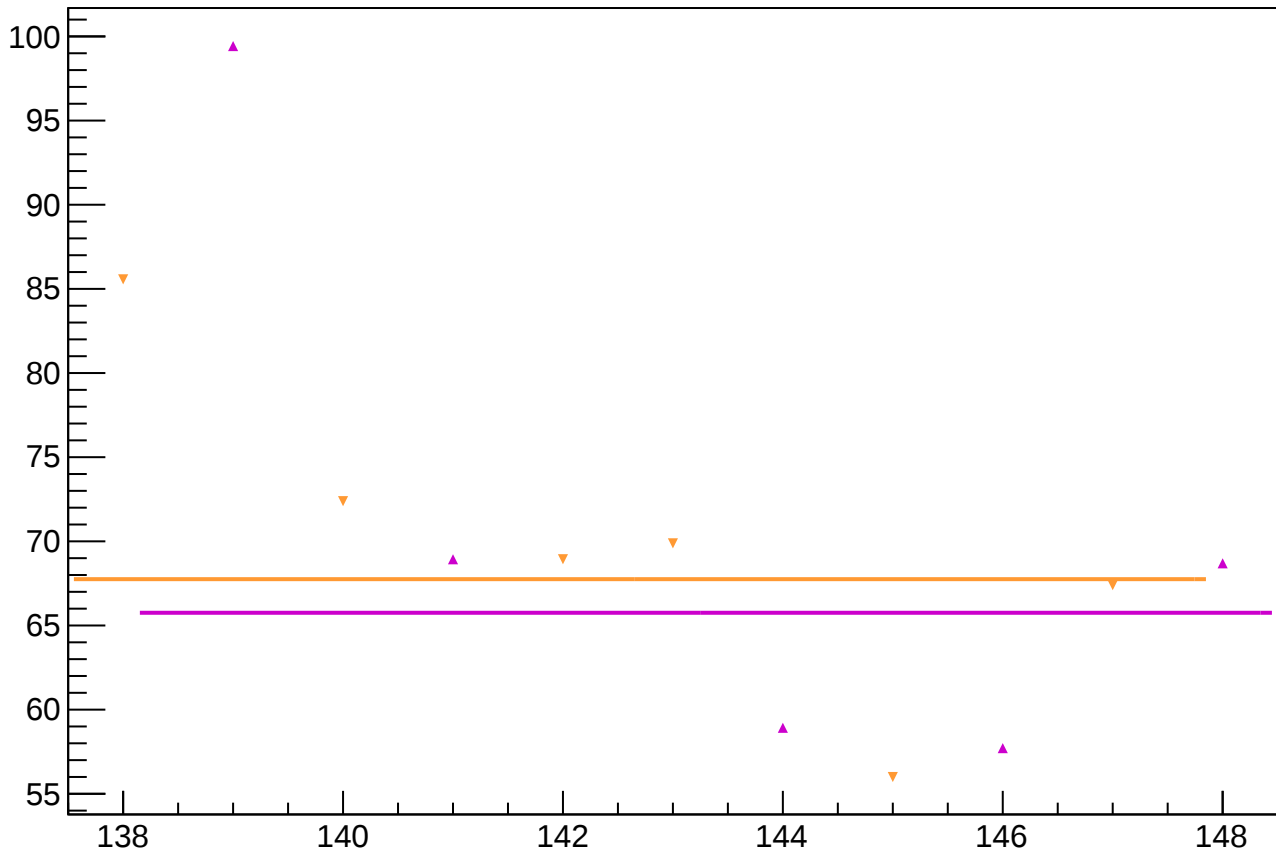
Left In: 90.513+/-33.576 χ^2/NDF : 2.6/4

140.270+/-33.952 χ^2/NDF : 1.7/5

115.115+/-23.874 χ^2/NDF : 5.4/10

90.513+/-33.576 χ^2/NDF : 2.6/4

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 67.753+/-0.024 χ^2/NDF :132209.7/5

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

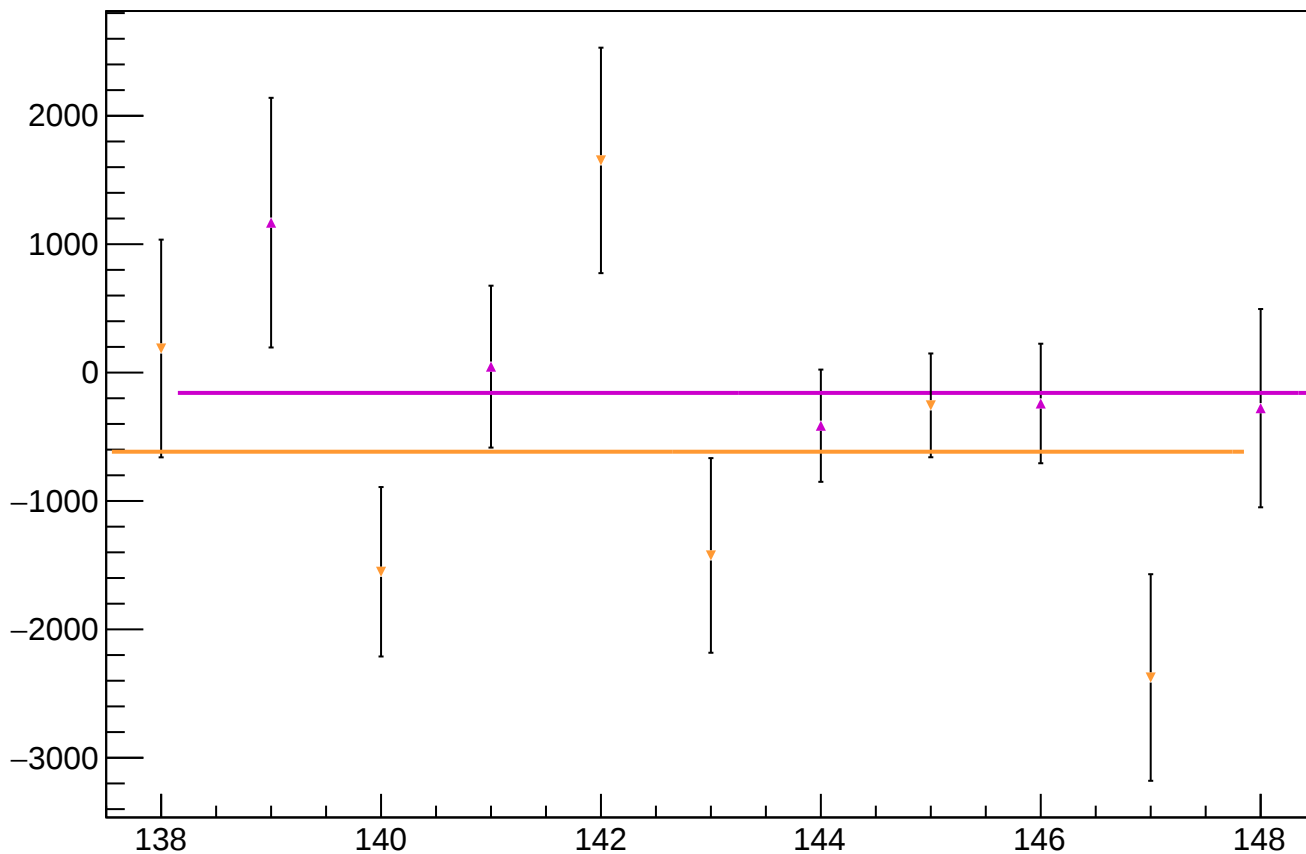
Left In: 65.756+/-0.024 χ^2/NDF :224514.8/4

67.753+/-0.024 χ^2/NDF : 132209.7/5

66.743+/-0.017 χ^2/NDF : 360222.6/10

65.756+/-0.024 χ^2/NDF : 224514.8/4

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -616.256+/-263.605 χ^2/NDF : 16.3/5

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

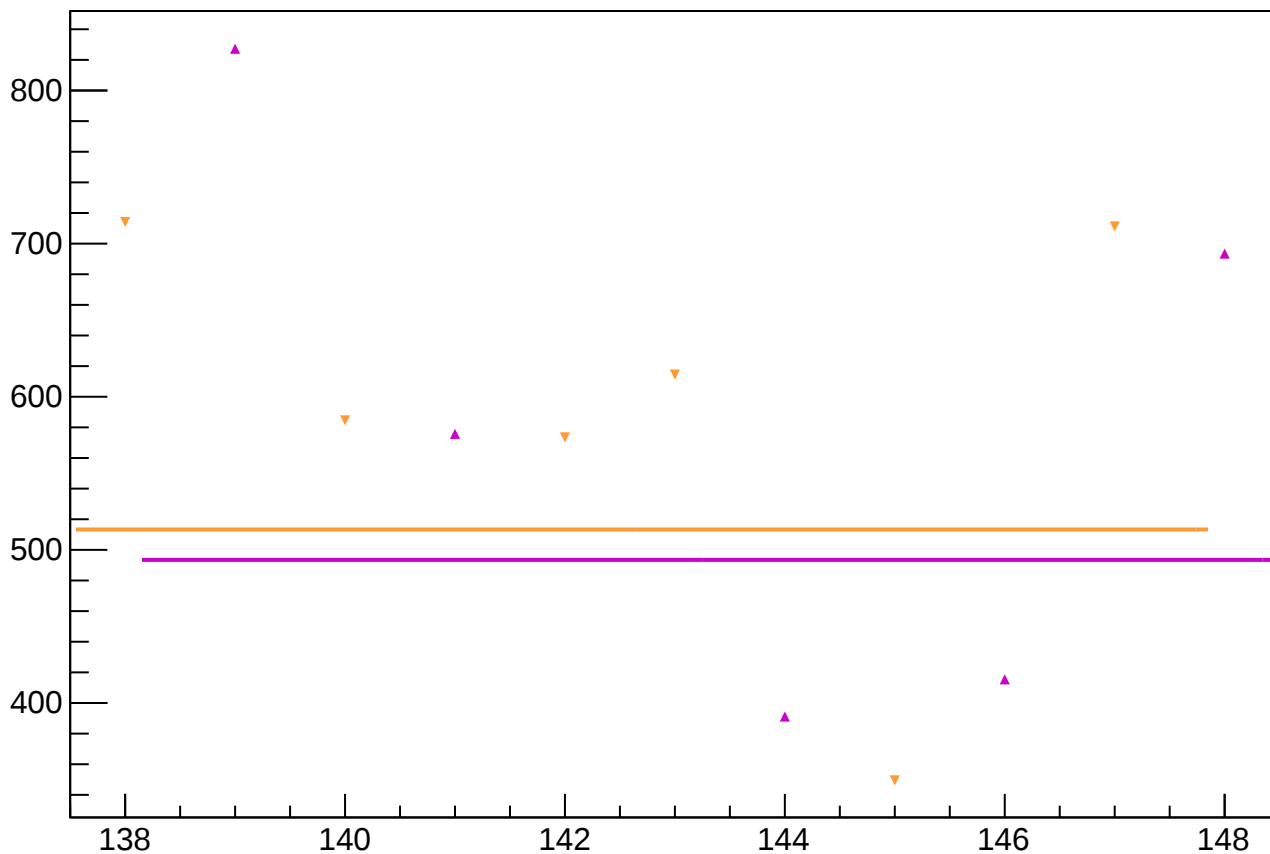
Left In: -158.253+/-257.340 χ^2/NDF : 2.4/4

-616.256+/-263.605 χ^2/NDF : 16.3/5

-381.747+/-184.142 χ^2/NDF : 20.2/10

-158.253+/-257.340 χ^2/NDF : 2.4/4

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 513.310+/-0.186 χ^2/NDF : 630177.8/5

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

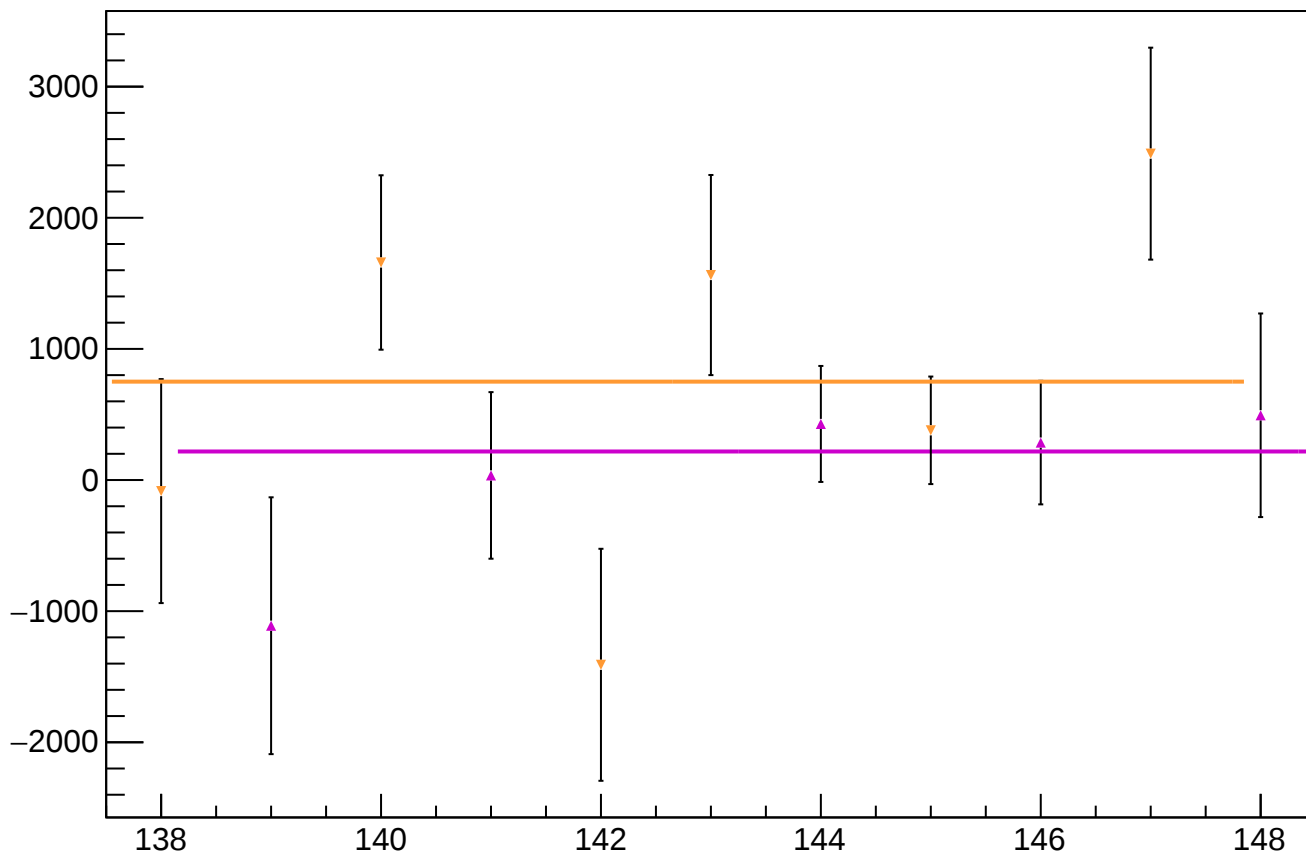
Left In: 493.459+/-0.182 χ^2/NDF : 569868.9/4

513.310+/-0.186 χ^2/NDF : 630177.8/5

503.146+/-0.130 χ^2/NDF : 1205854.1/10

493.459+/-0.182 χ^2/NDF : 569868.9/4

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 750.365+/-266.255 χ^2/NDF : 15.4/5

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

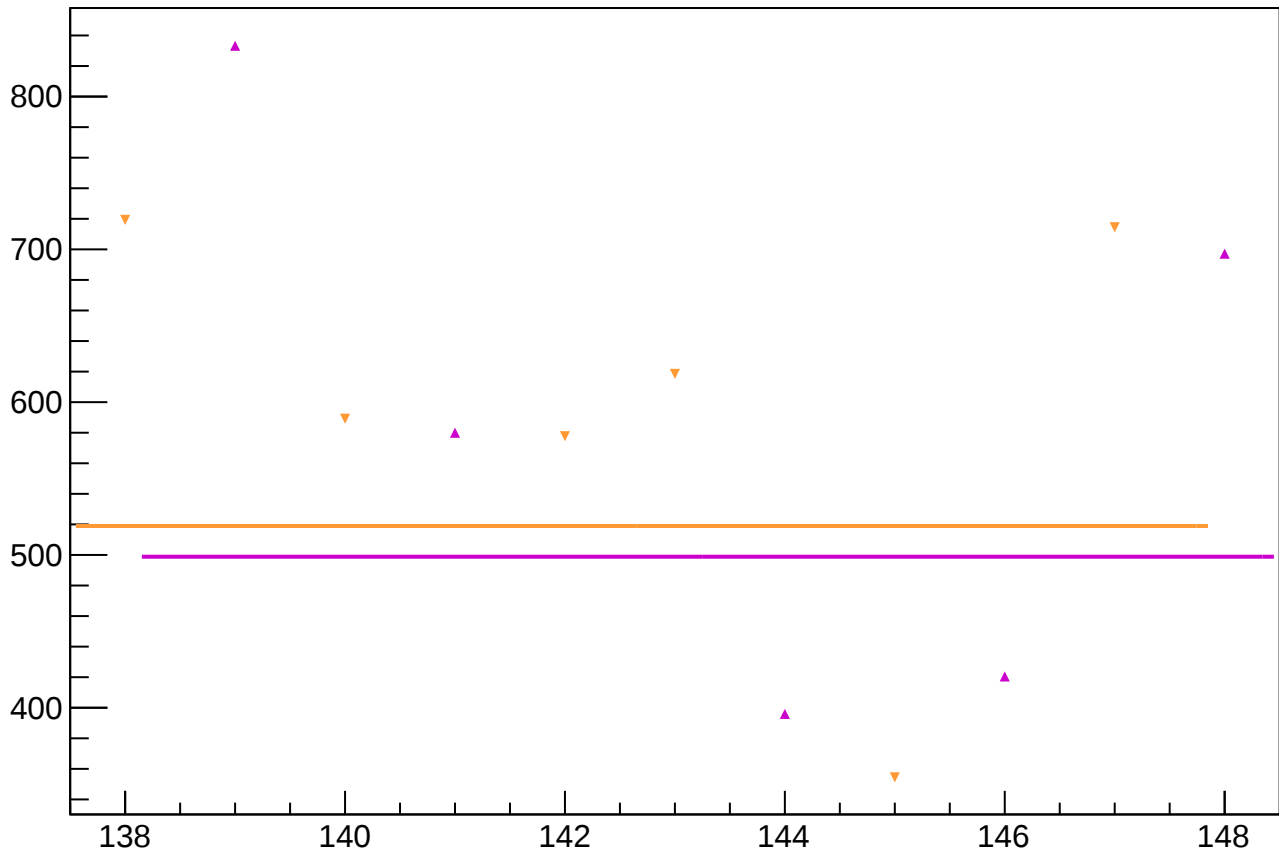
Left In: 217.638+/-259.956 χ^2/NDF : 2.3/4

750.365+/-266.255 χ^2/NDF : 15.4/5

477.626+/-186.004 χ^2/NDF : 19.7/10

217.638+/-259.956 χ^2/NDF : 2.3/4

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 518.970+/-0.188 χ^2/NDF : 614213.5/5

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

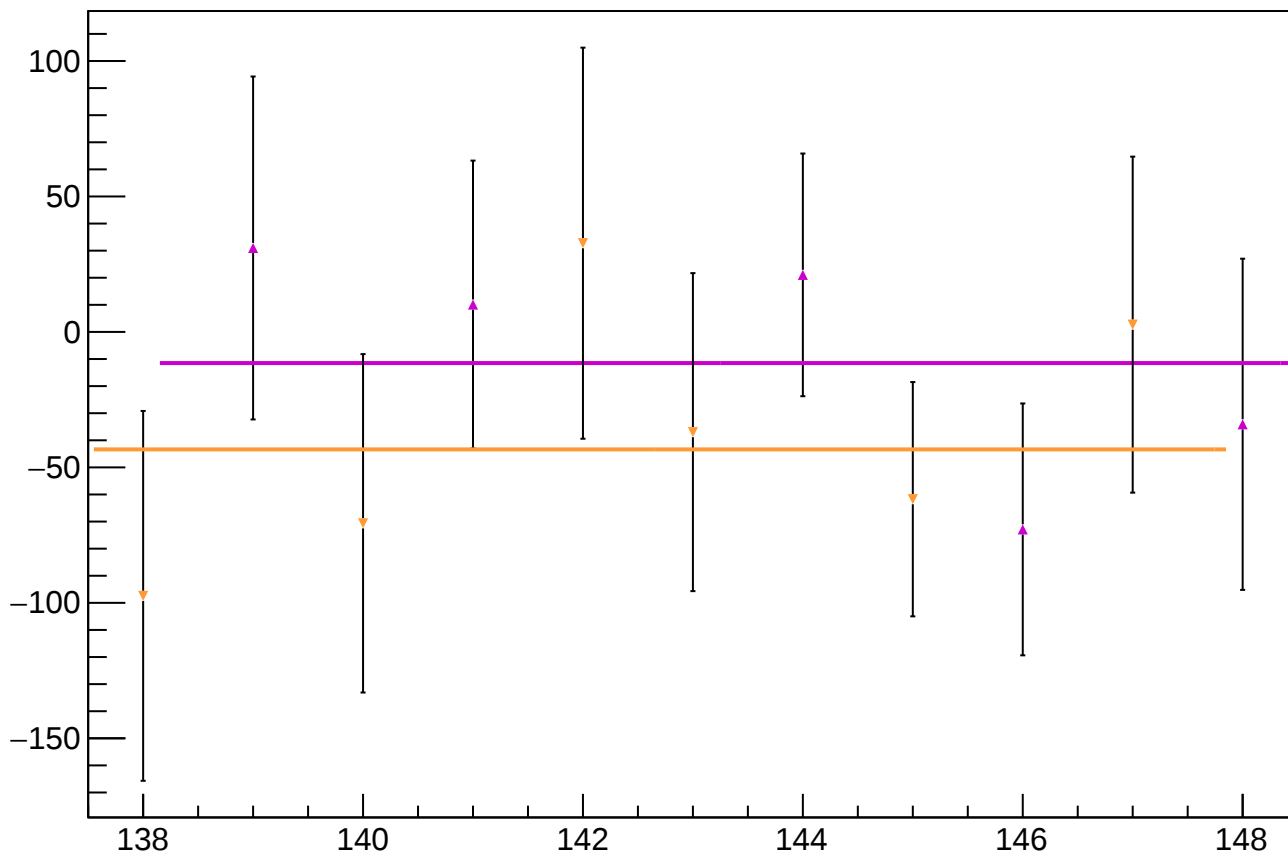
Left In: 498.849+/-0.184 χ^2/NDF : 559965.4/4

518.970+/-0.188 χ^2/NDF : 614213.5/5

508.668+/-0.132 χ^2/NDF : 1180026.4/10

498.849+/-0.184 χ^2/NDF : 559965.4/4

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -43.357+/-23.917 χ^2/NDF : 2.7/5

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

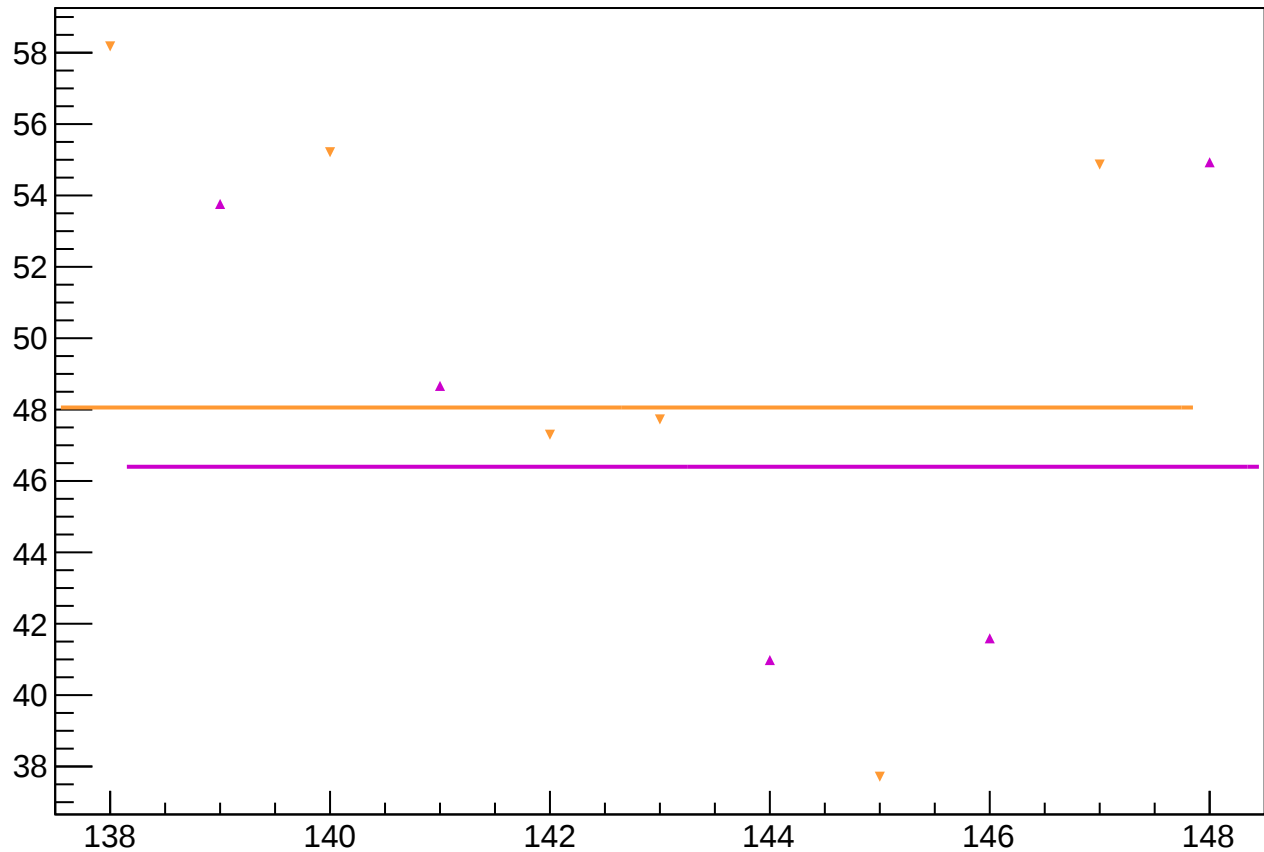
Left In: -11.487+/-23.358 χ^2/NDF : 3.0/4

-43.357+/-23.917 χ^2/NDF : 2.7/5

-27.045+/-16.711 χ^2/NDF : 6.6/10

-11.487+/-23.358 χ^2/NDF : 3.0/4

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 48.059±/-0.017 χ^2/NDF : 209051.5/5

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

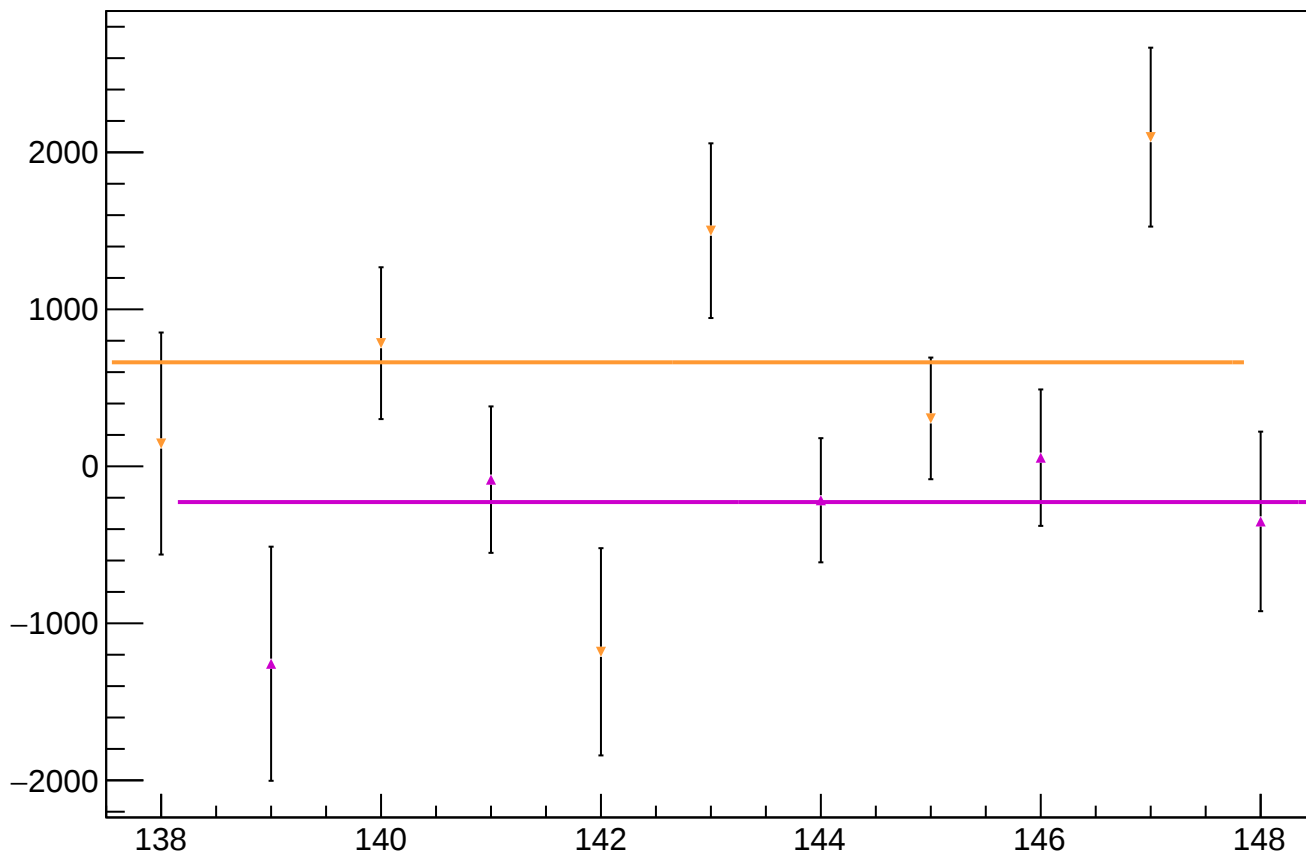
Left In: 46.398±/-0.017 χ^2/NDF : 120311.9/4

48.059±/-0.017 χ^2/NDF : 209051.5/5

47.209±/-0.012 χ^2/NDF : 334295.5/10

46.398±/-0.017 χ^2/NDF : 120311.9/4

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 662.602+/-215.455 χ^2/NDF : 17.9/5

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

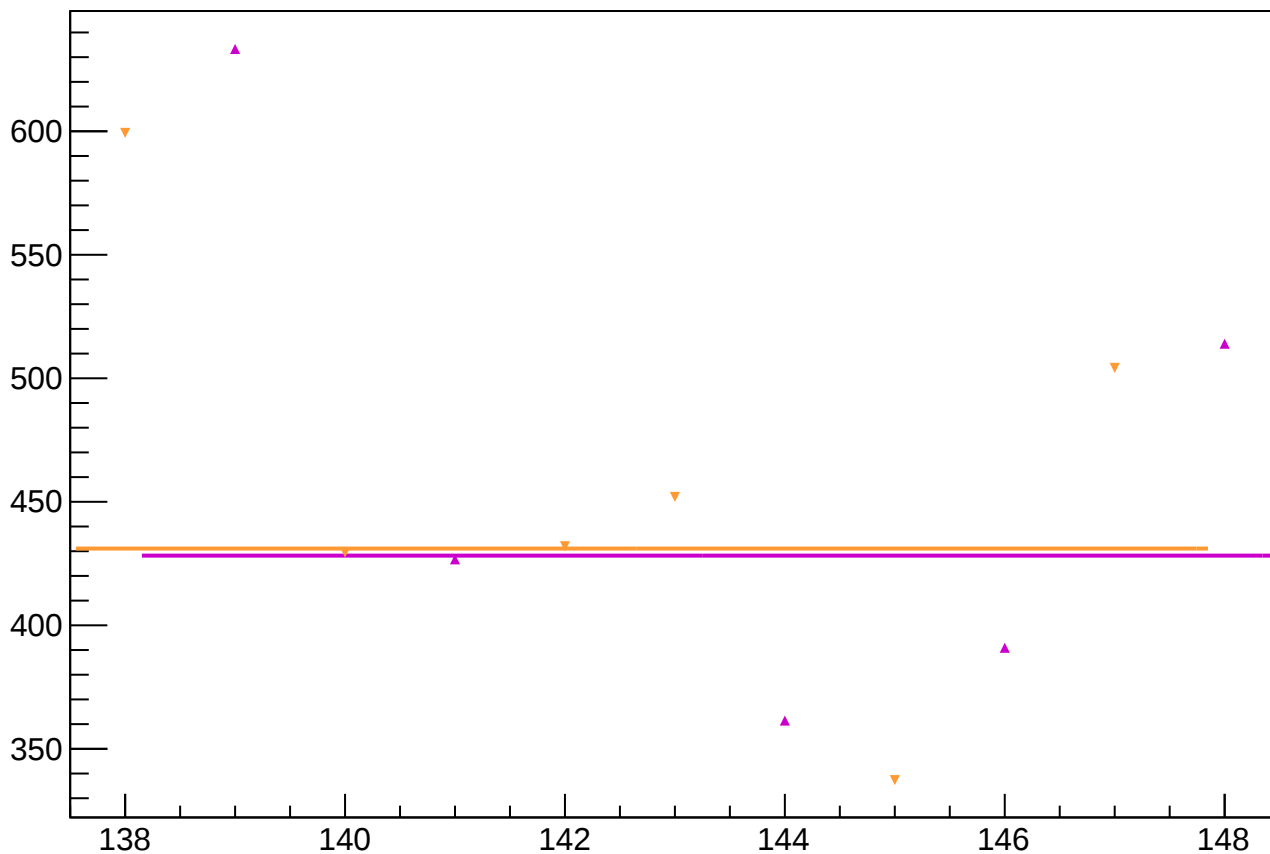
Left In: -227.617+/-217.476 χ^2/NDF : 2.5/4

662.602+/-215.455 χ^2/NDF : 17.9/5

221.650+/-153.059 χ^2/NDF : 28.8/10

-227.617+/-217.476 χ^2/NDF : 2.5/4

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 431.079+/-0.152 χ^2/NDF : 266098.0/5

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

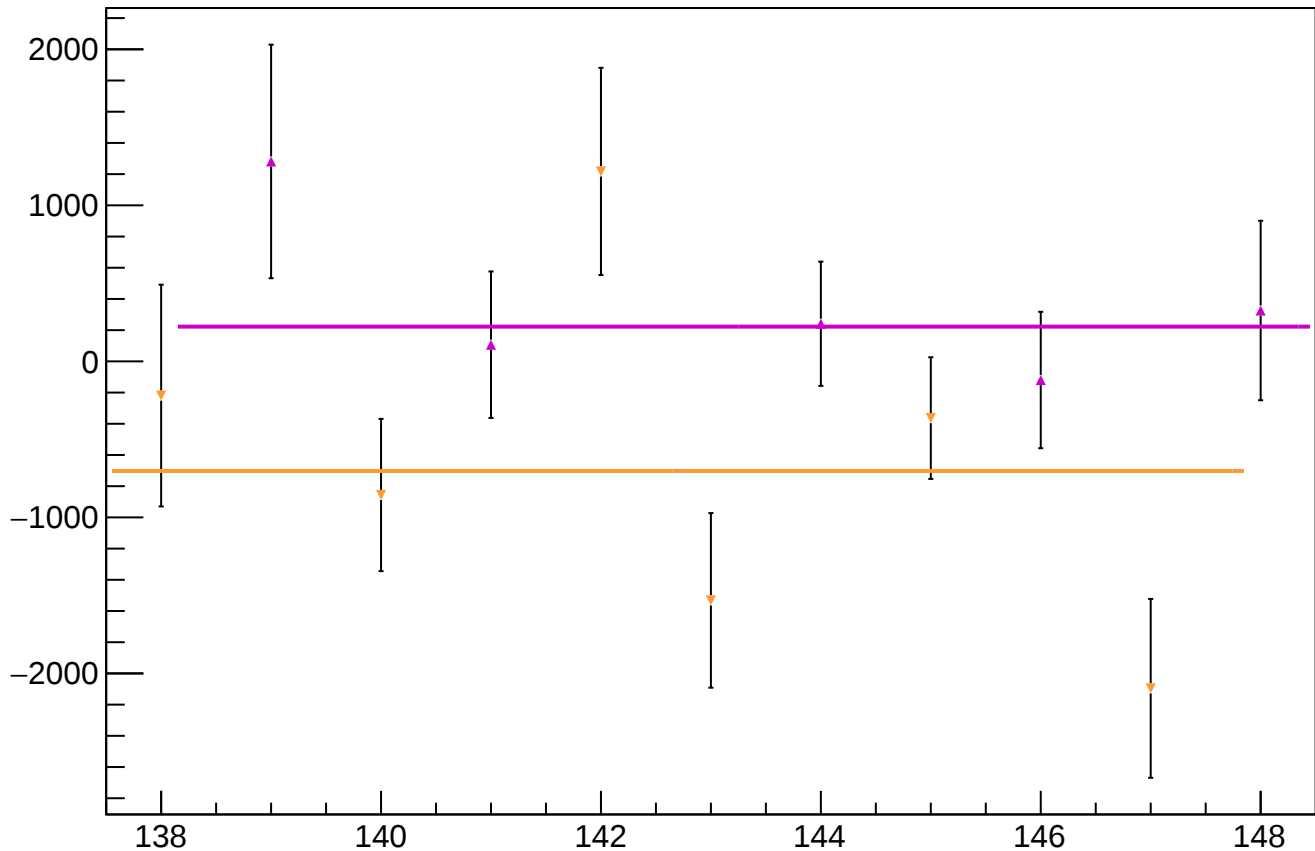
Left In: 428.217+/-0.154 χ^2/NDF : 268087.7/4

431.079+/-0.152 χ^2/NDF : 266098.0/5

429.661+/-0.108 χ^2/NDF : 534360.5/10

428.217+/-0.154 χ^2/NDF : 268087.7/4

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -702.316+/-216.849 χ^2/NDF : 17.8/5

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

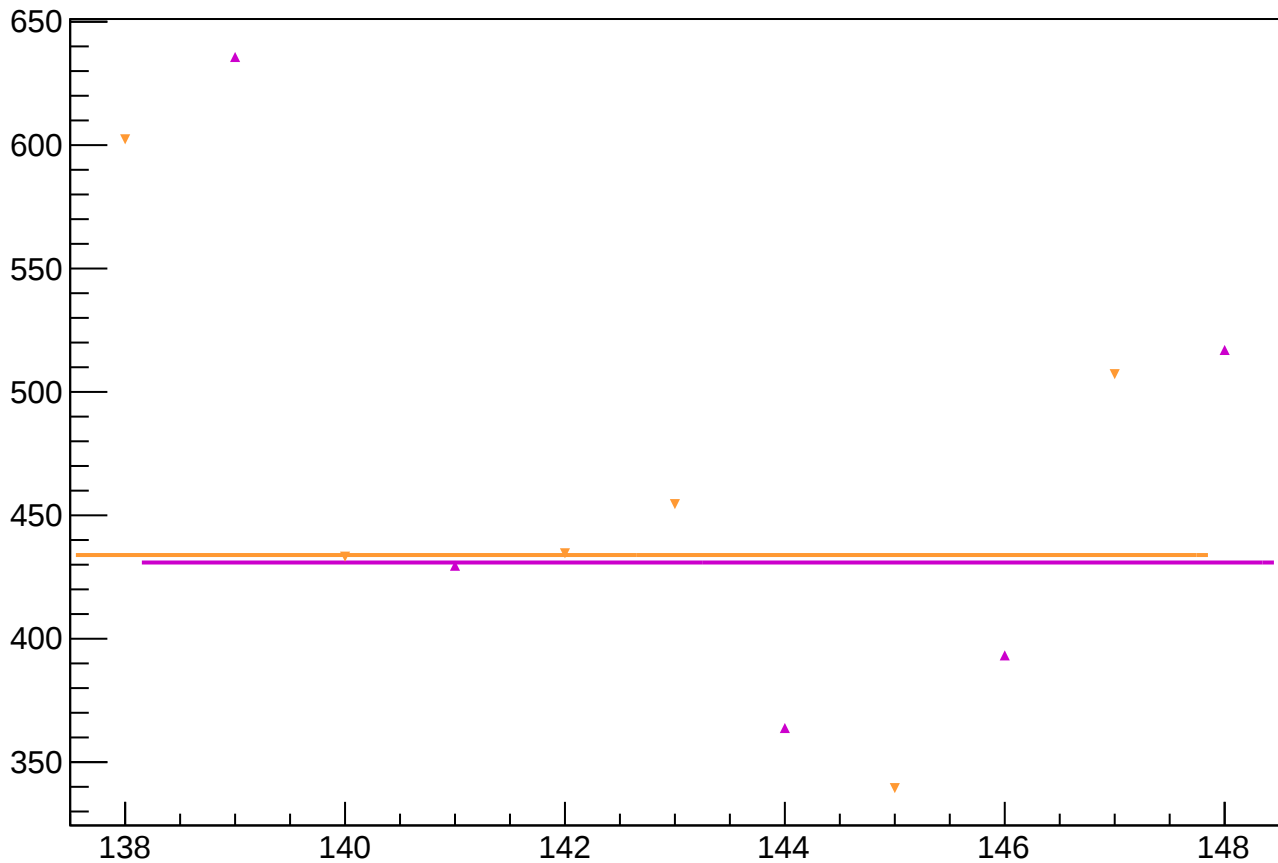
Left In: 222.635+/-218.799 χ^2/NDF : 2.7/4

-702.316+/-216.849 χ^2/NDF : 17.8/5

-243.980+/-154.020 χ^2/NDF : 29.5/10

222.635+/-218.799 χ^2/NDF : 2.7/4

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 433.915+/-0.153 χ^2/NDF : 265109.6/5

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

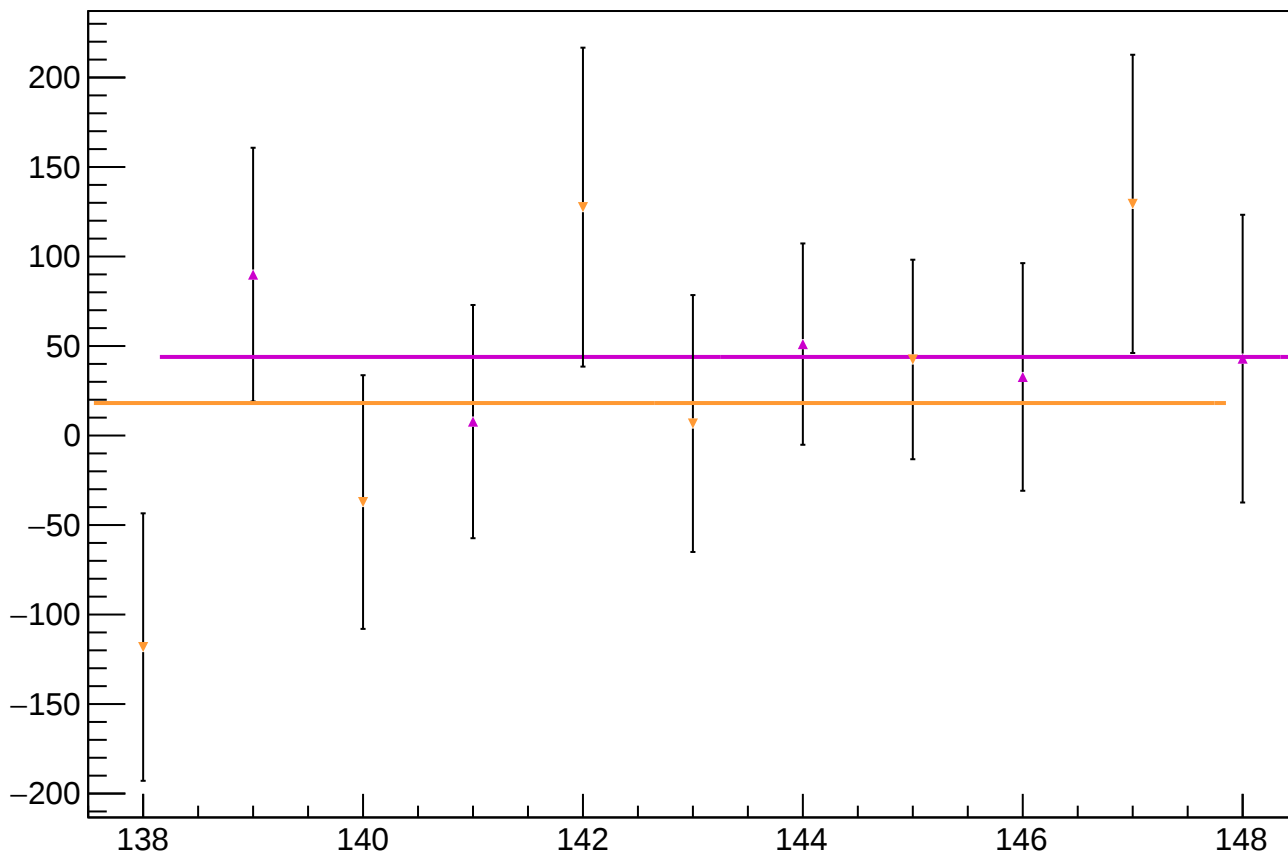
Left In: 430.886+/-0.155 χ^2/NDF : 266223.4/4

433.915+/-0.153 χ^2/NDF : 265109.6/5

432.414+/-0.109 χ^2/NDF : 531526.3/10

430.886+/-0.155 χ^2/NDF : 266223.4/4

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 18.150+/-29.302 χ^2/NDF : 7.4/5

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

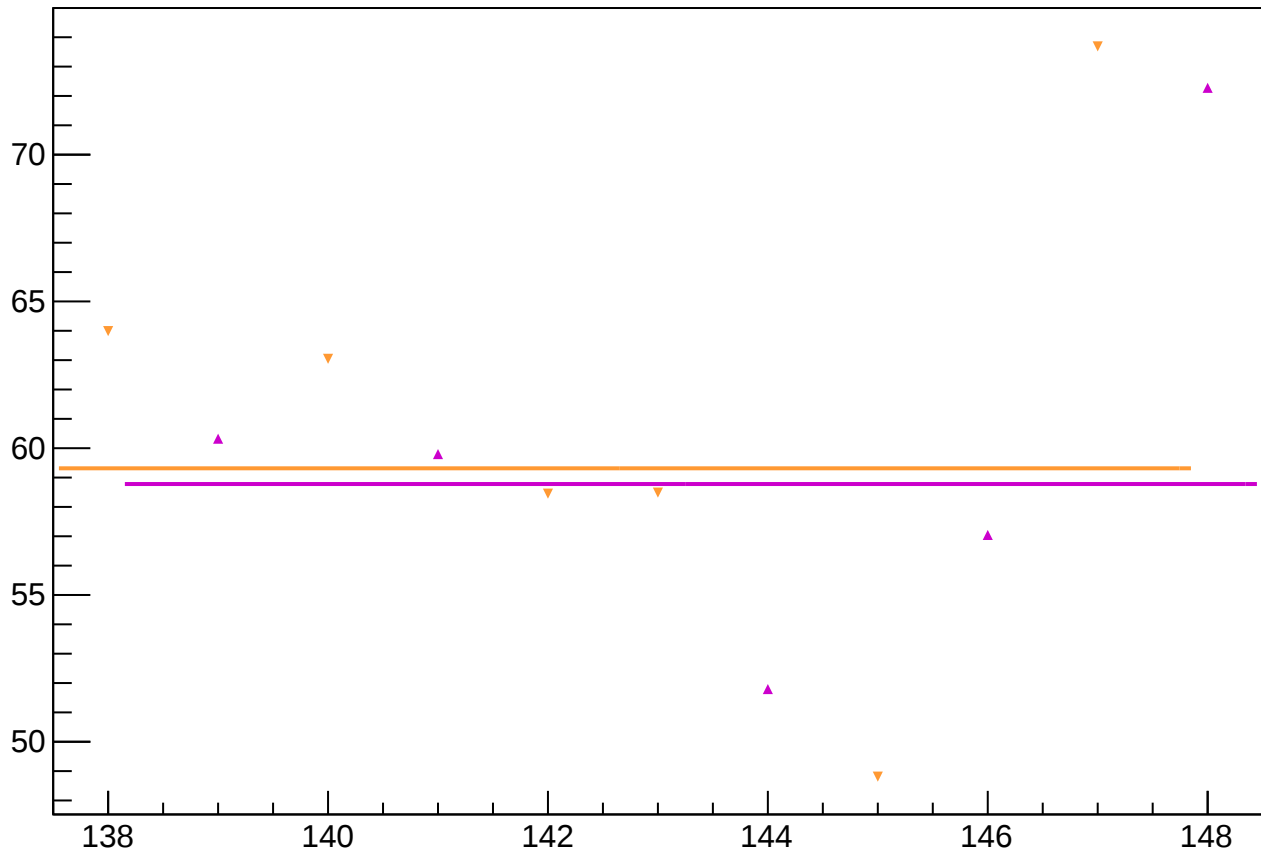
Left In: 43.904+/-29.446 χ^2/NDF : 0.8/4

18.150+/-29.302 χ^2/NDF : 7.4/5

30.964+/-20.770 χ^2/NDF : 8.6/10

43.904+/-29.446 χ^2/NDF : 0.8/4

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 59.315+/-0.021 χ^2/NDF : 144428.3/5

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

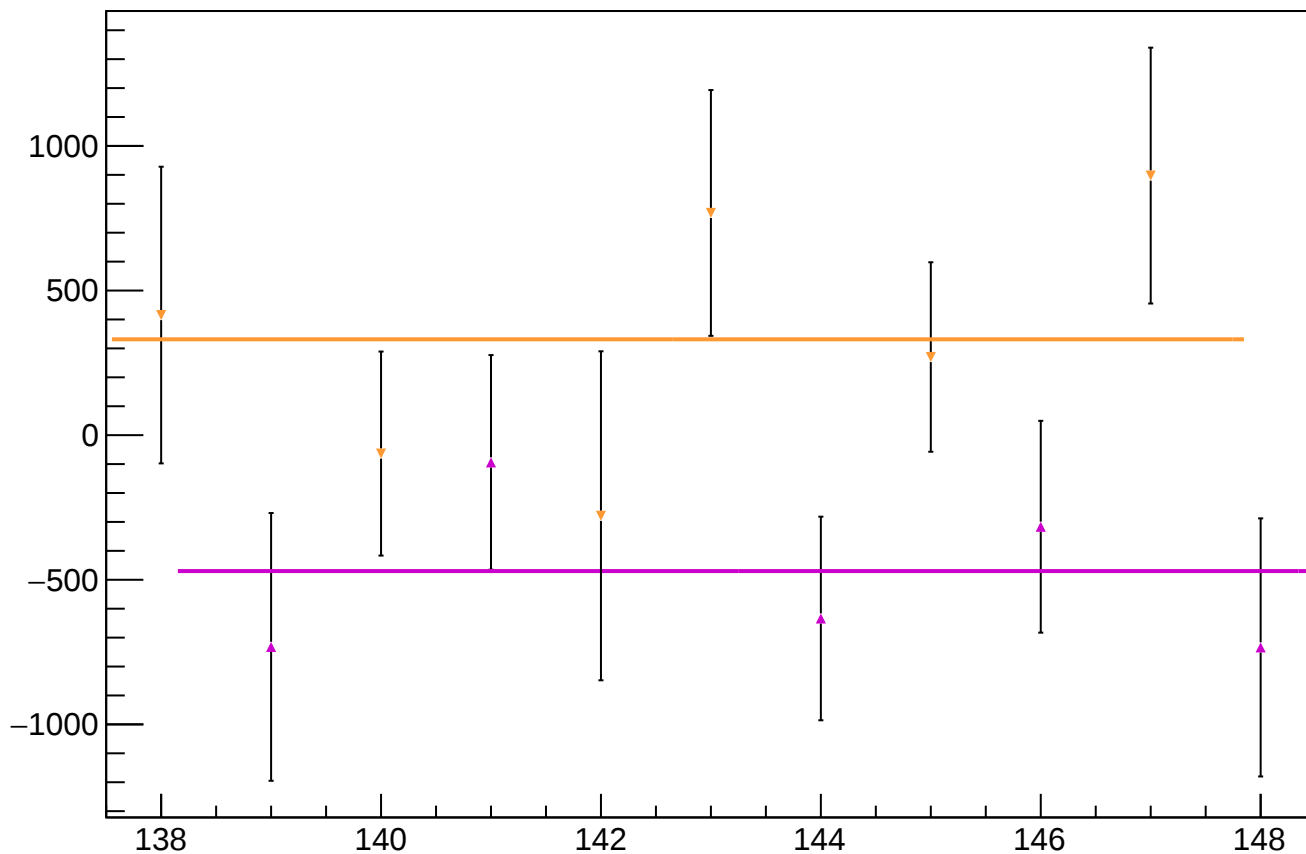
Left In: 58.780+/-0.021 χ^2/NDF : 90203.5/4

59.315+/-0.021 χ^2/NDF : 144428.3/5

59.049+/-0.015 χ^2/NDF : 234963.9/10

58.780+/-0.021 χ^2/NDF : 90203.5/4

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 331.415+/-169.275 χ^2/NDF : 5.2/5

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

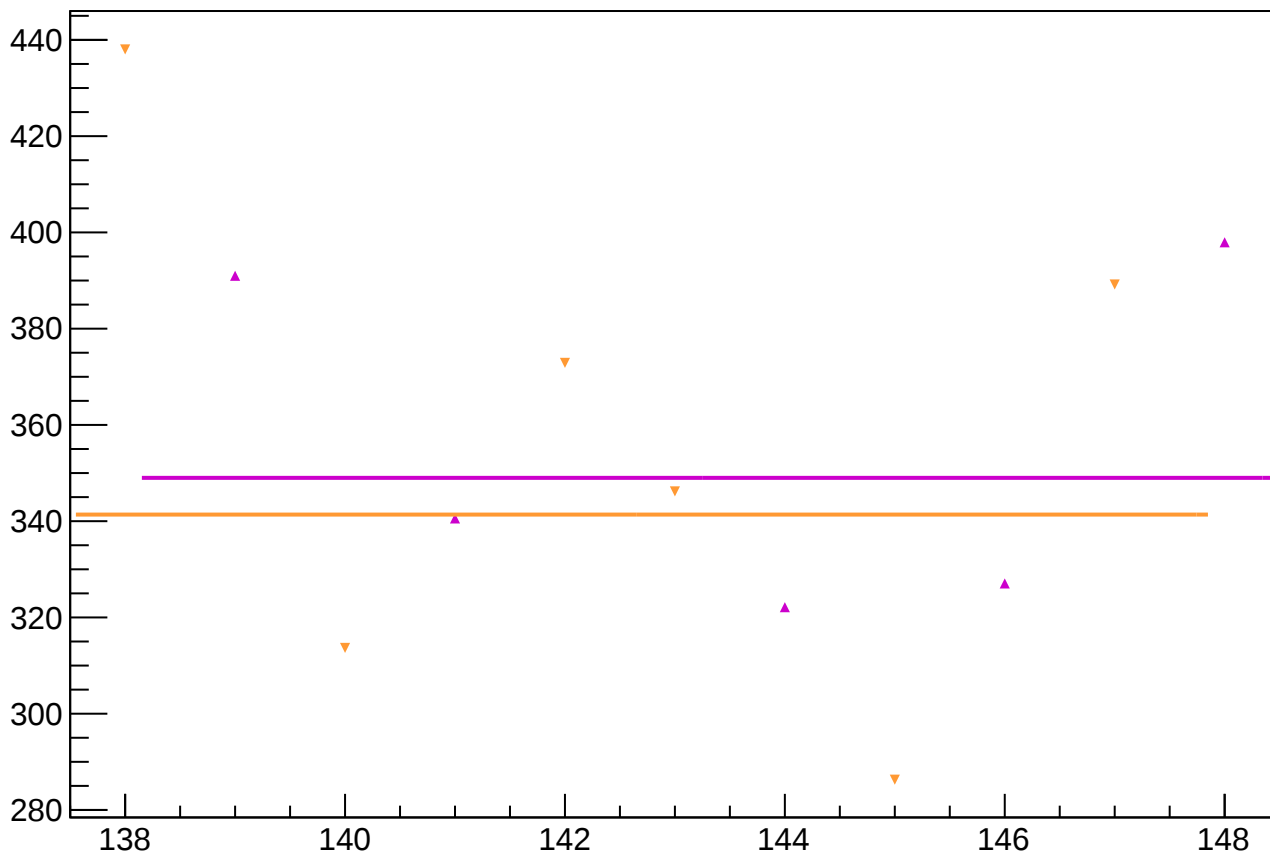
Left In: -469.918+/-175.456 χ^2/NDF : 2.1/4

331.415+/-169.275 χ^2/NDF : 5.2/5

-54.888+/-121.822 χ^2/NDF : 18.1/10

-469.918+/-175.456 χ^2/NDF : 2.1/4

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 341.373+/-0.120 χ^2/NDF :169674.7/5

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

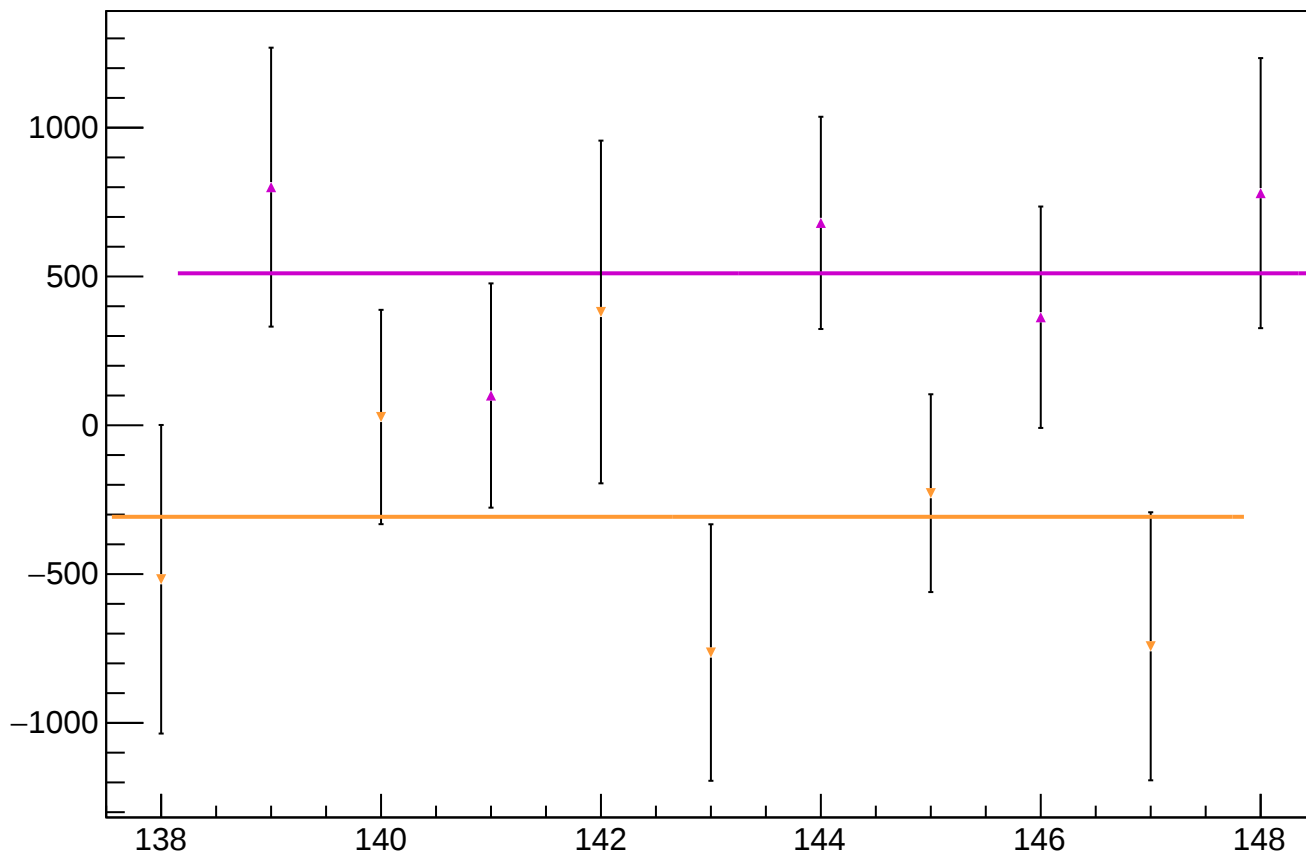
Left In: 349.003+/-0.124 χ^2/NDF :60389.5/4

341.373+/-0.120 χ^2/NDF : 169674.7/5

345.051+/-0.086 χ^2/NDF : 232023.3/10

349.003+/-0.124 χ^2/NDF : 60389.5/4

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -307.505+/-171.952 χ^2/NDF : 4.6/5

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

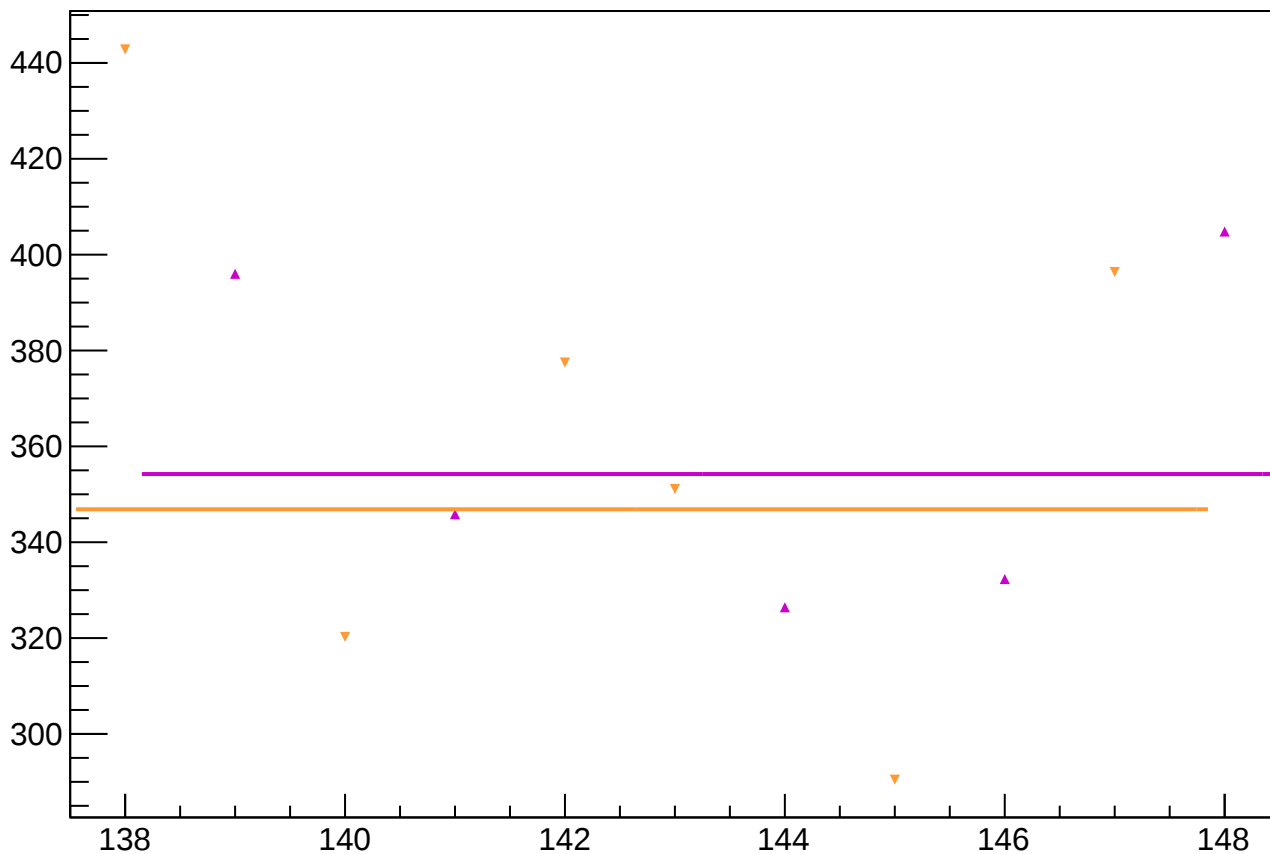
Left In: 510.644+/-178.039 χ^2/NDF : 2.3/4

-307.505+/-171.952 χ^2/NDF : 4.6/5

87.344+/-123.684 χ^2/NDF : 17.8/10

510.644+/-178.039 χ^2/NDF : 2.3/4

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 346.877+/-0.122 χ^2/NDF : 167110.8/5

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

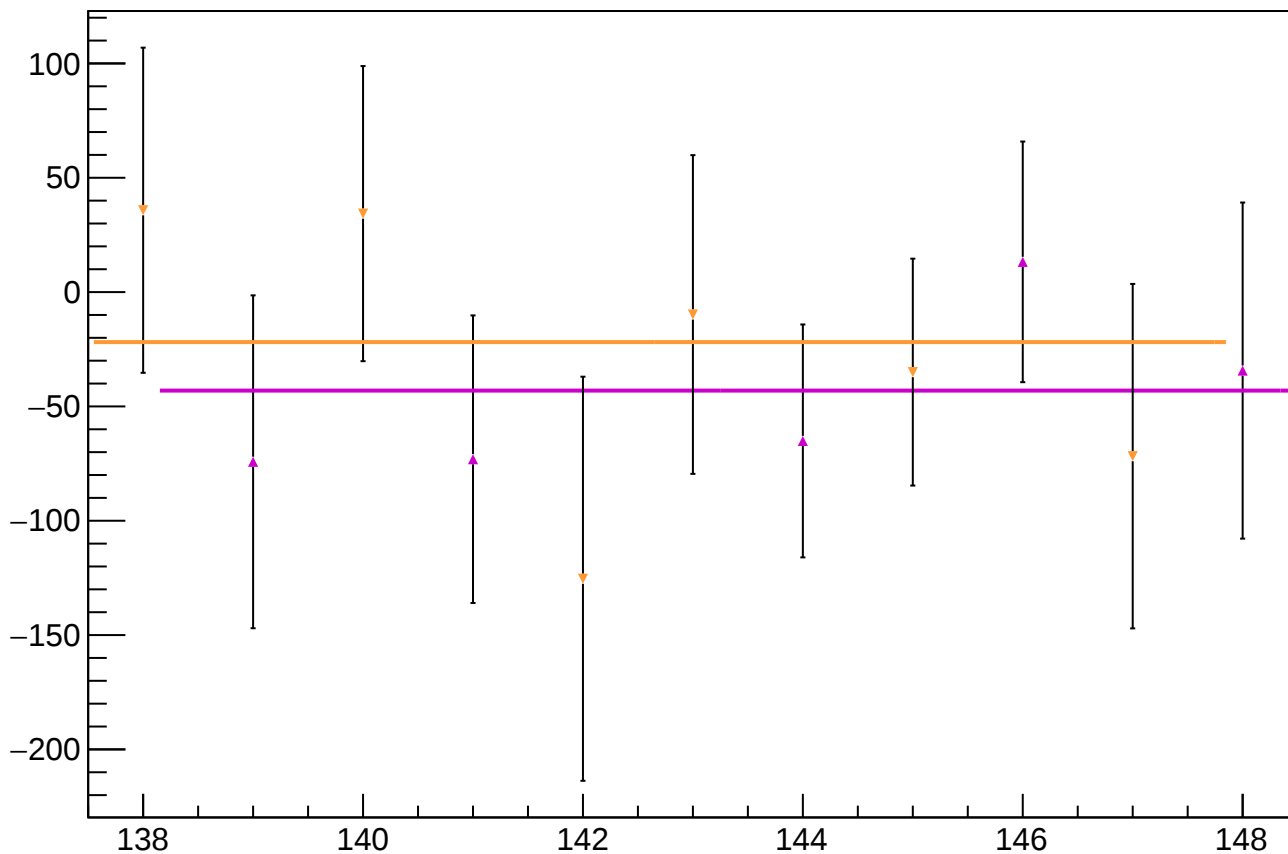
Left In: 354.231+/-0.126 χ^2/NDF : 60854.6/4

346.877+/-0.122 χ^2/NDF : 167110.8/5

350.426+/-0.087 χ^2/NDF : 229730.5/10

354.231+/-0.126 χ^2/NDF : 60854.6/4

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -21.864+/-27.173 χ^2/NDF : 3.3/5

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

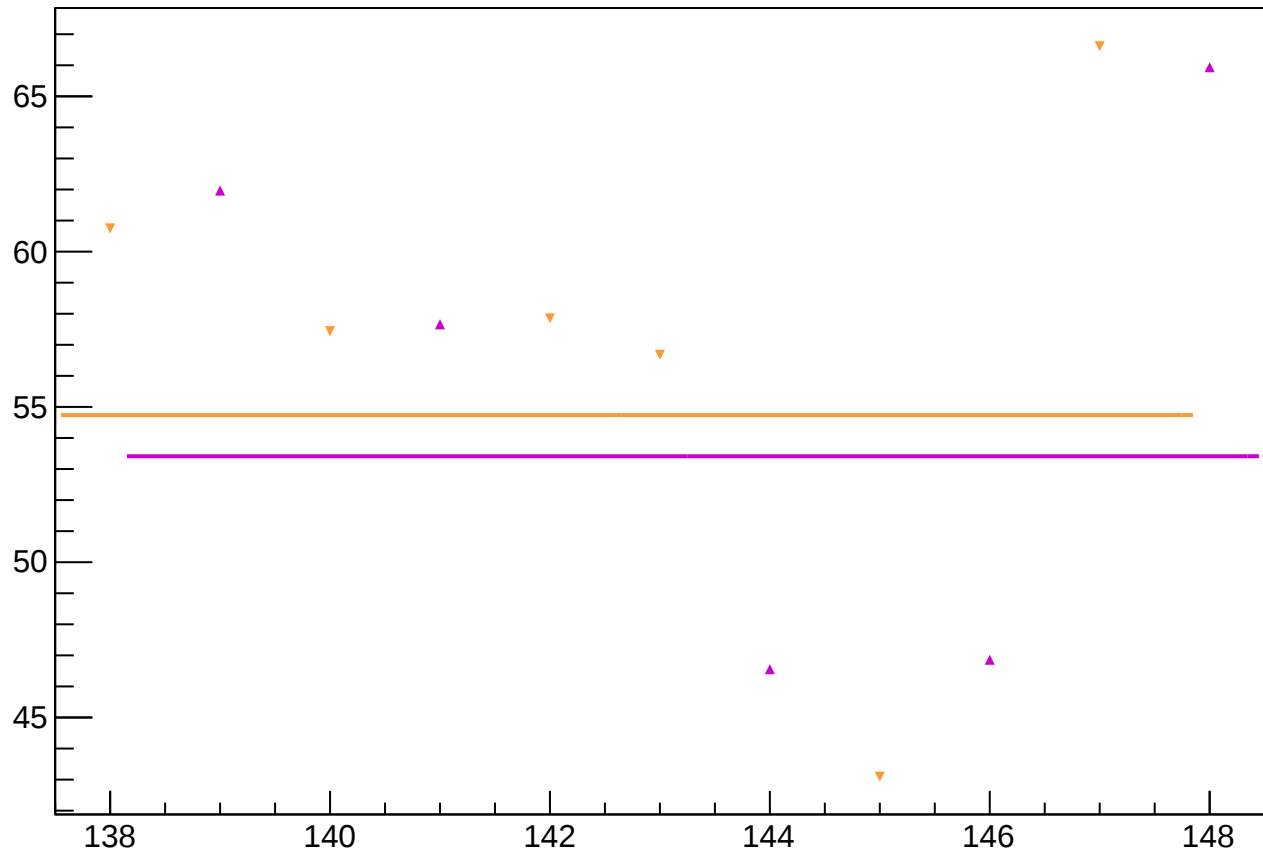
Left In: -43.077+/-26.984 χ^2/NDF : 1.8/4

-21.864+/-27.173 χ^2/NDF : 3.3/5

-32.545+/-19.147 χ^2/NDF : 5.4/10

-43.077+/-26.984 χ^2/NDF : 1.8/4

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 54.736+/-0.019 χ^2/NDF : 181659.7/5

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

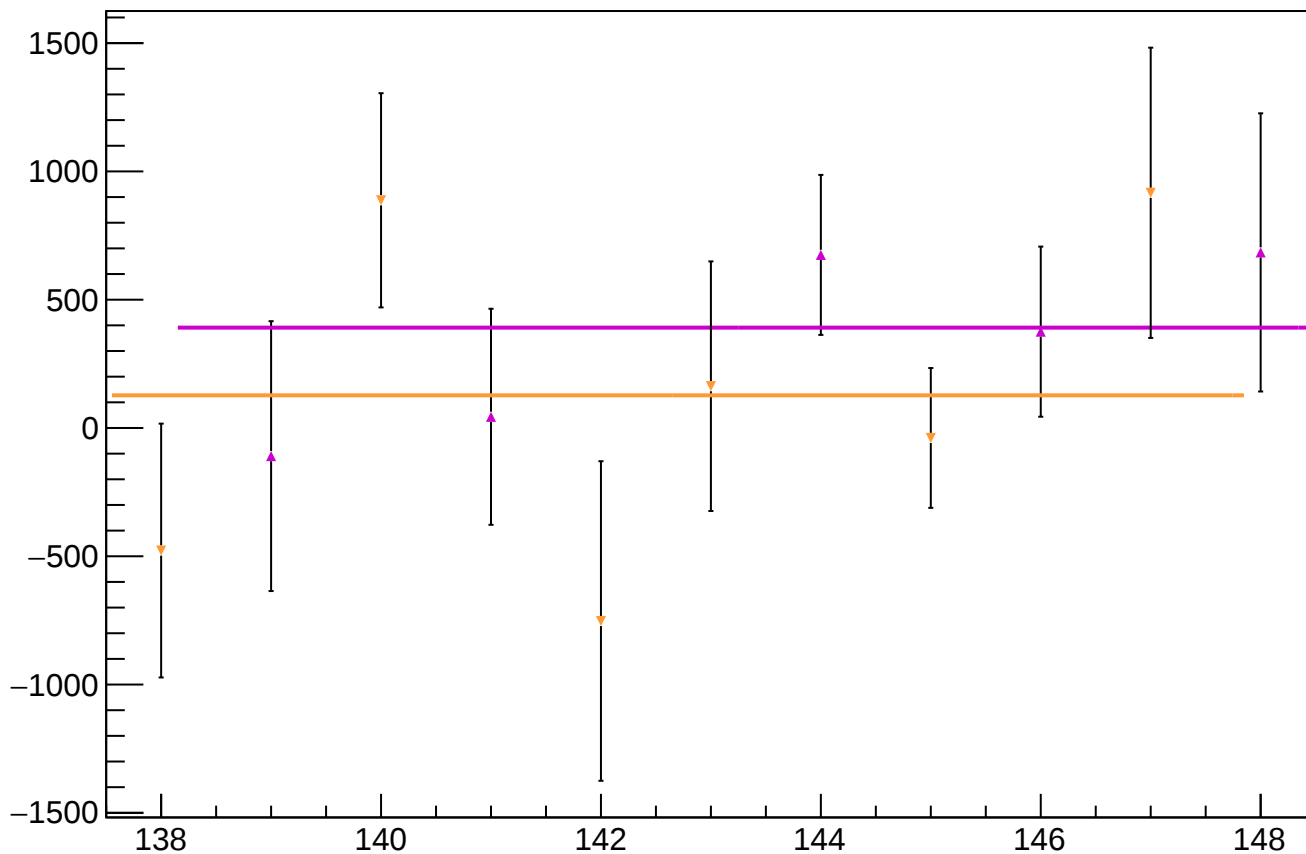
Left In: 53.411+/-0.019 χ^2/NDF : 162107.1/4

54.736+/-0.019 χ^2/NDF : 181659.7/5

54.069+/-0.014 χ^2/NDF : 346160.8/10

53.411+/-0.019 χ^2/NDF : 162107.1/4

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 127.333+/-173.503 χ^2/NDF : 9.1/5

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

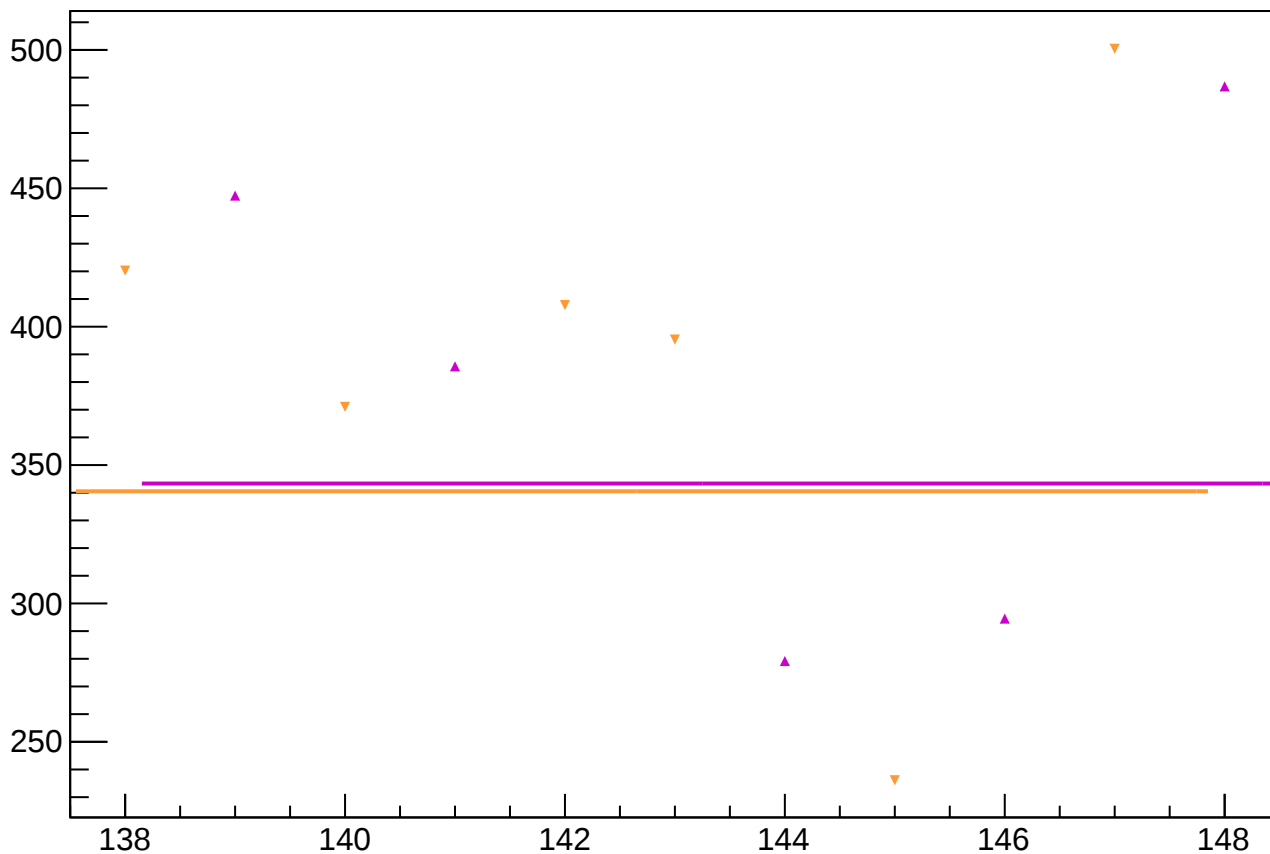
Left In: 391.111+/-176.660 χ^2/NDF : 2.7/4

127.333+/-173.503 χ^2/NDF : 9.1/5

256.844+/-123.786 χ^2/NDF : 13.0/10

391.111+/-176.660 χ^2/NDF : 2.7/4

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 340.519+/-0.123 χ^2/NDF : 564812.8/5

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

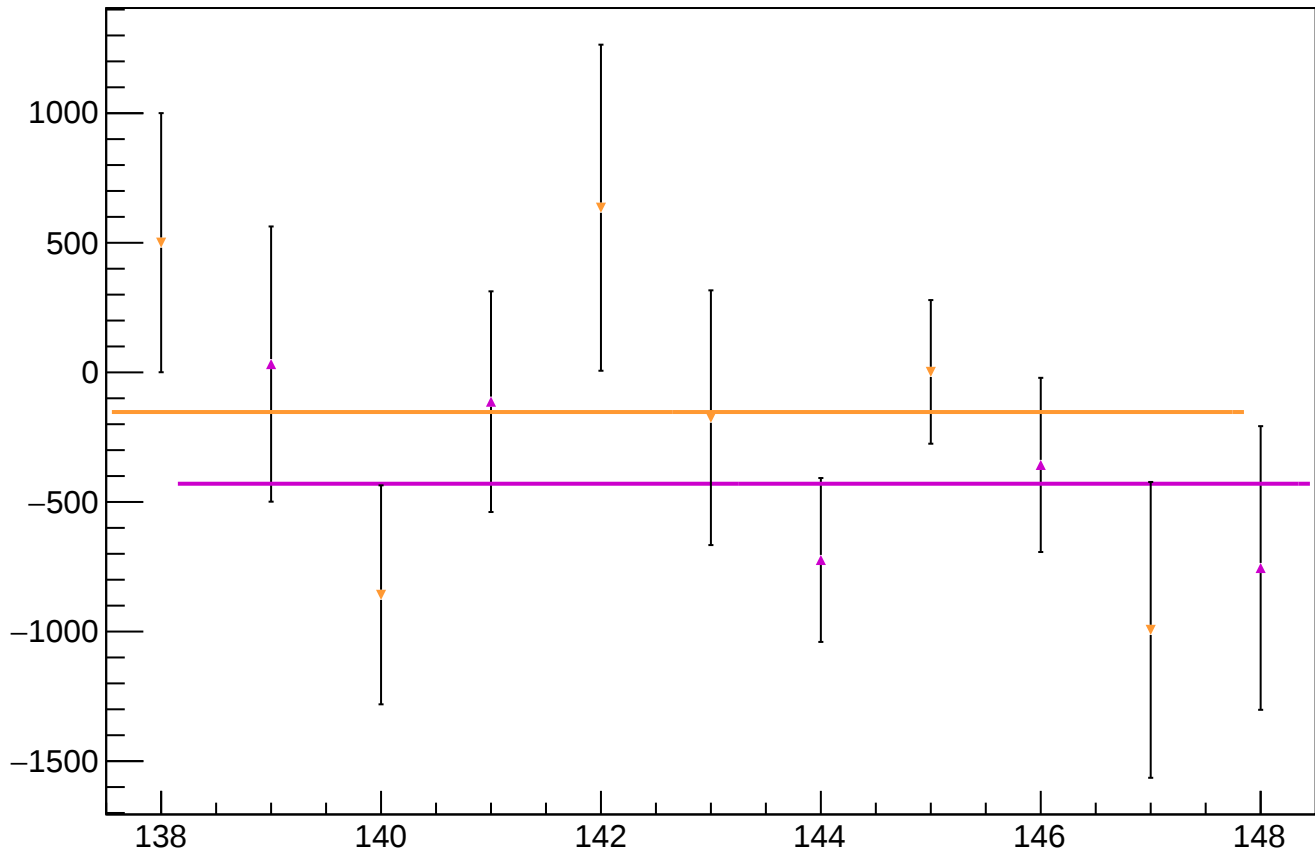
Left In: 343.328+/-0.125 χ^2/NDF : 366619.4/4

340.519+/-0.123 χ^2/NDF : 564812.8/5

341.898+/-0.088 χ^2/NDF : 931689.6/10

343.328+/-0.125 χ^2/NDF : 366619.4/4

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -152.975 ± 175.778 χ^2/NDF : 8.6/5

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

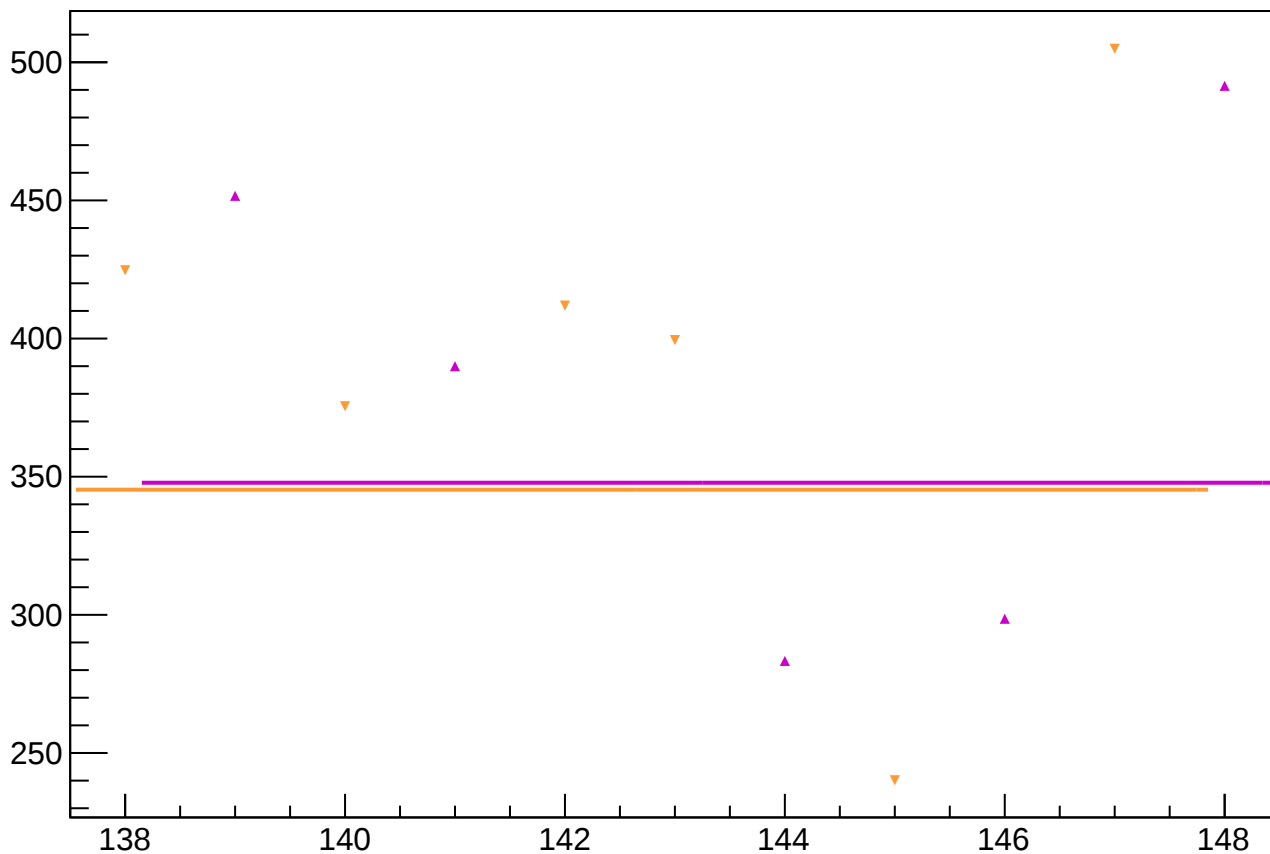
Left In: -429.649 ± 178.857 χ^2/NDF : 2.6/4

-152.975 ± 175.778 χ^2/NDF : 8.6/5

-288.910 ± 125.368 χ^2/NDF : 12.3/10

-429.649 ± 178.857 χ^2/NDF : 2.6/4

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 345.302+/-0.124 χ^2/NDF : 551840.8/5

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

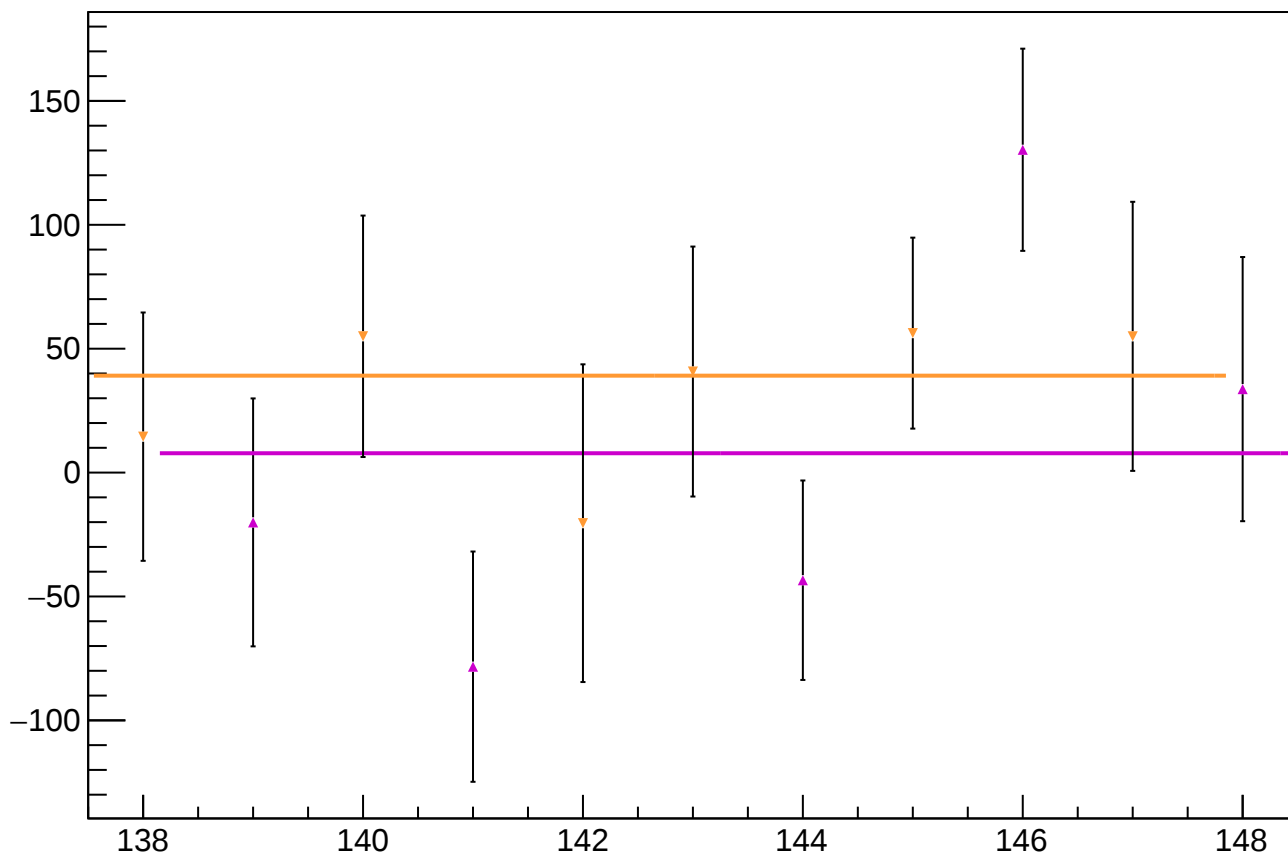
Left In: 347.817+/-0.126 χ^2/NDF : 360099.1/4

345.302+/-0.124 χ^2/NDF : 551840.8/5

346.538+/-0.089 χ^2/NDF : 912141.1/10

347.817+/-0.126 χ^2/NDF : 360099.1/4

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 39.116+/-20.128 χ^2/NDF : 1.5/5

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

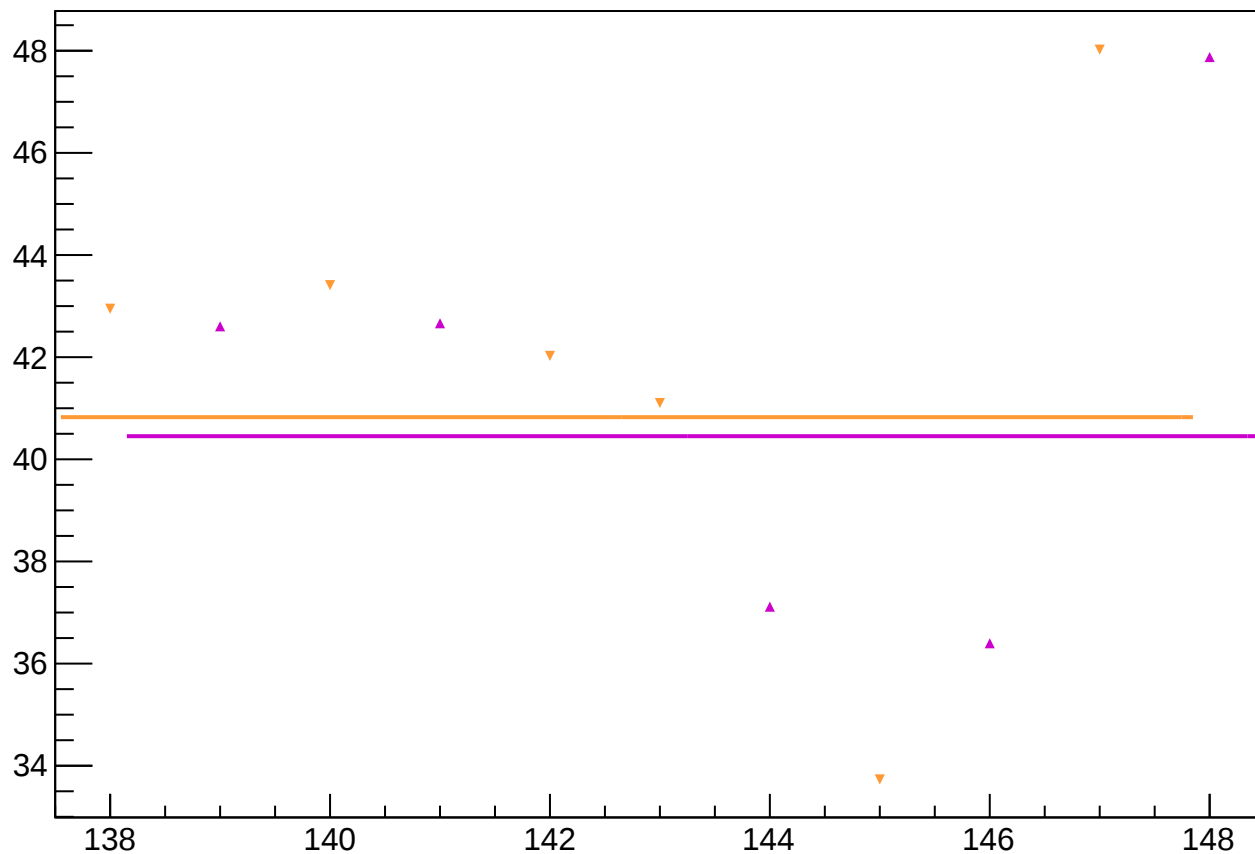
Left In: 7.808+/-20.276 χ^2/NDF : 14.6/4

39.116+/-20.128 χ^2/NDF : 1.5/5

23.576+/-14.284 χ^2/NDF : 17.3/10

7.808+/-20.276 χ^2/NDF : 14.6/4

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 40.825+/-0.014 χ^2/NDF : 112860.5/5

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

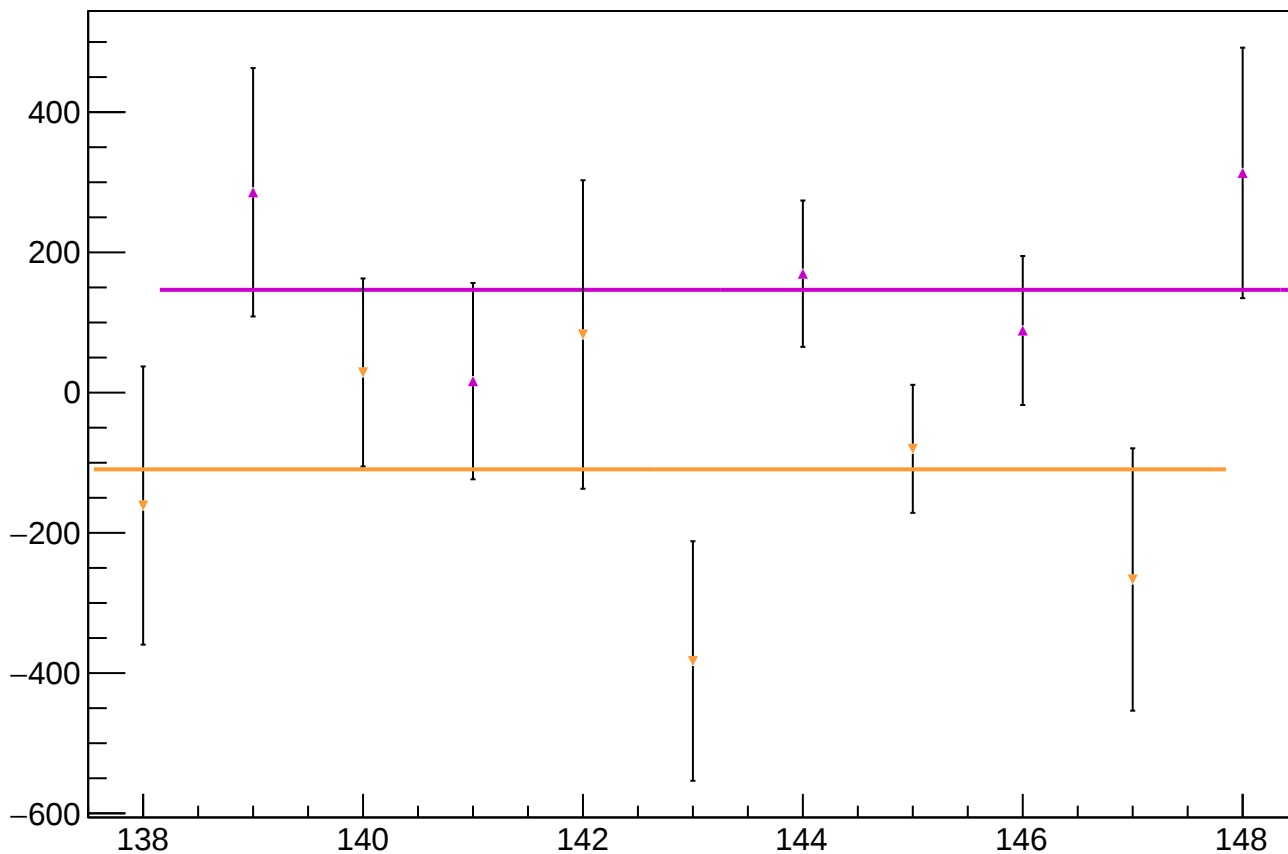
Left In: 40.453+/-0.014 χ^2/NDF : 80526.5/4

40.825+/-0.014 χ^2/NDF : 112860.5/5

40.640+/-0.010 χ^2/NDF : 193727.4/10

40.453+/-0.014 χ^2/NDF : 80526.5/4

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -109.417+/-59.289 χ^2/NDF : 5.3/5

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

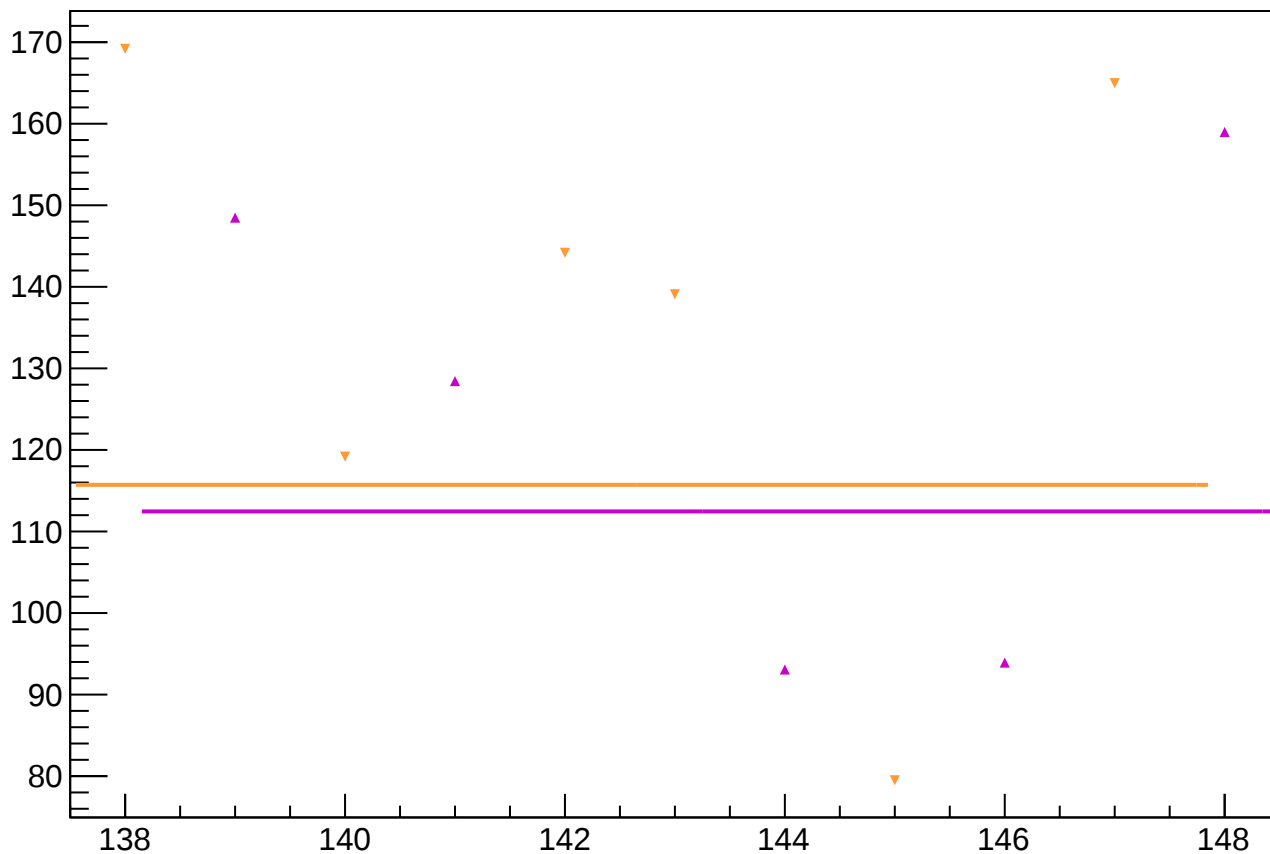
Left In: 146.584+/-58.255 χ^2/NDF : 2.7/4

-109.417+/-59.289 χ^2/NDF : 5.3/5

20.834+/-41.553 χ^2/NDF : 17.4/10

146.584+/-58.255 χ^2/NDF : 2.7/4

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 115.720+/-0.042 χ^2/NDF : 670932.3/5

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

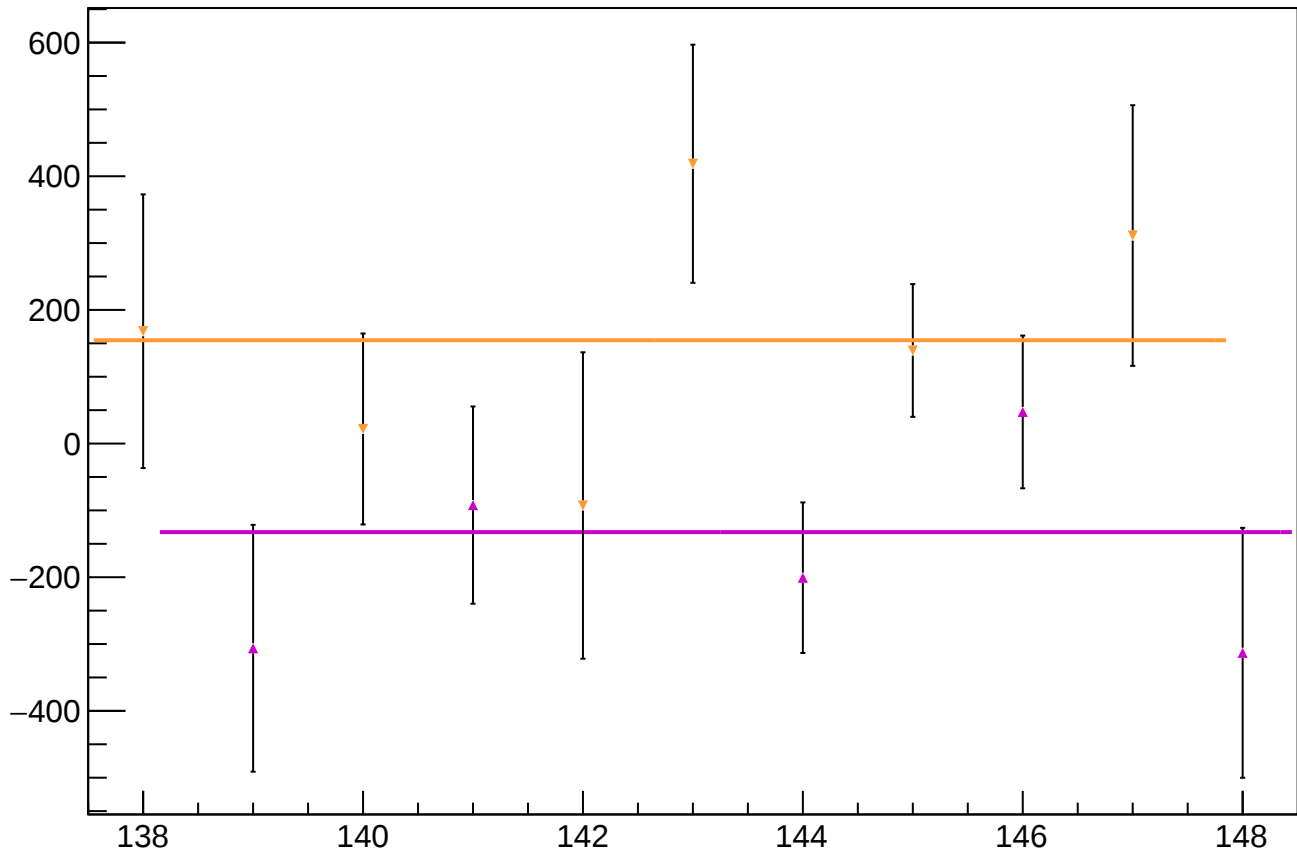
Left In: 112.460+/-0.041 χ^2/NDF : 374397.1/4

115.720+/-0.042 χ^2/NDF : 670932.3/5

114.061+/-0.029 χ^2/NDF : 1048407.3/10

112.460+/-0.041 χ^2/NDF : 374397.1/4

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 154.597+/-63.121 χ^2/NDF : 4.9/5

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

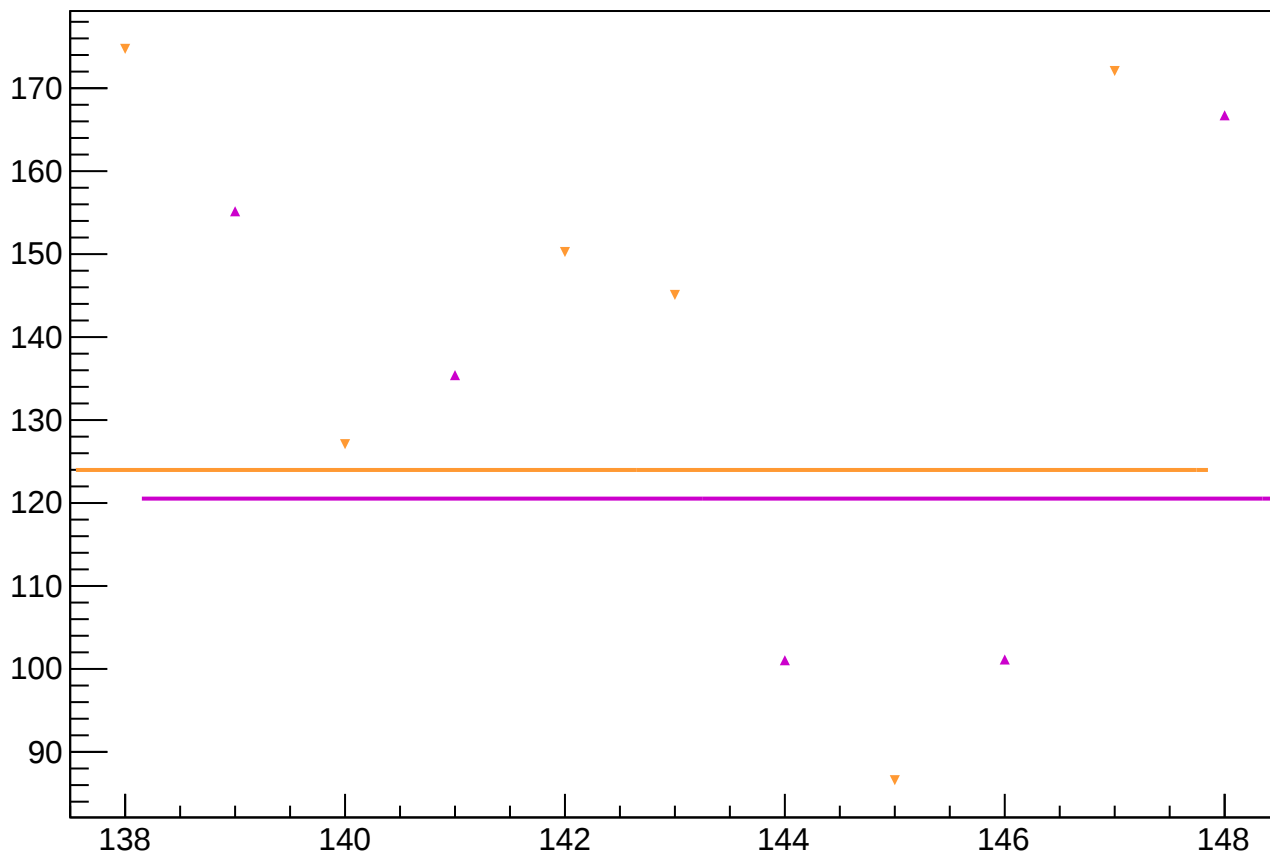
Left In: -132.527+/-62.113 χ^2/NDF : 4.7/4

154.597+/-63.121 χ^2/NDF : 4.9/5

8.724+/-44.273 χ^2/NDF : 20.1/10

-132.527+/-62.113 χ^2/NDF : 4.7/4

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 123.984+/-0.045 χ^2/NDF : 583143.5/5

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

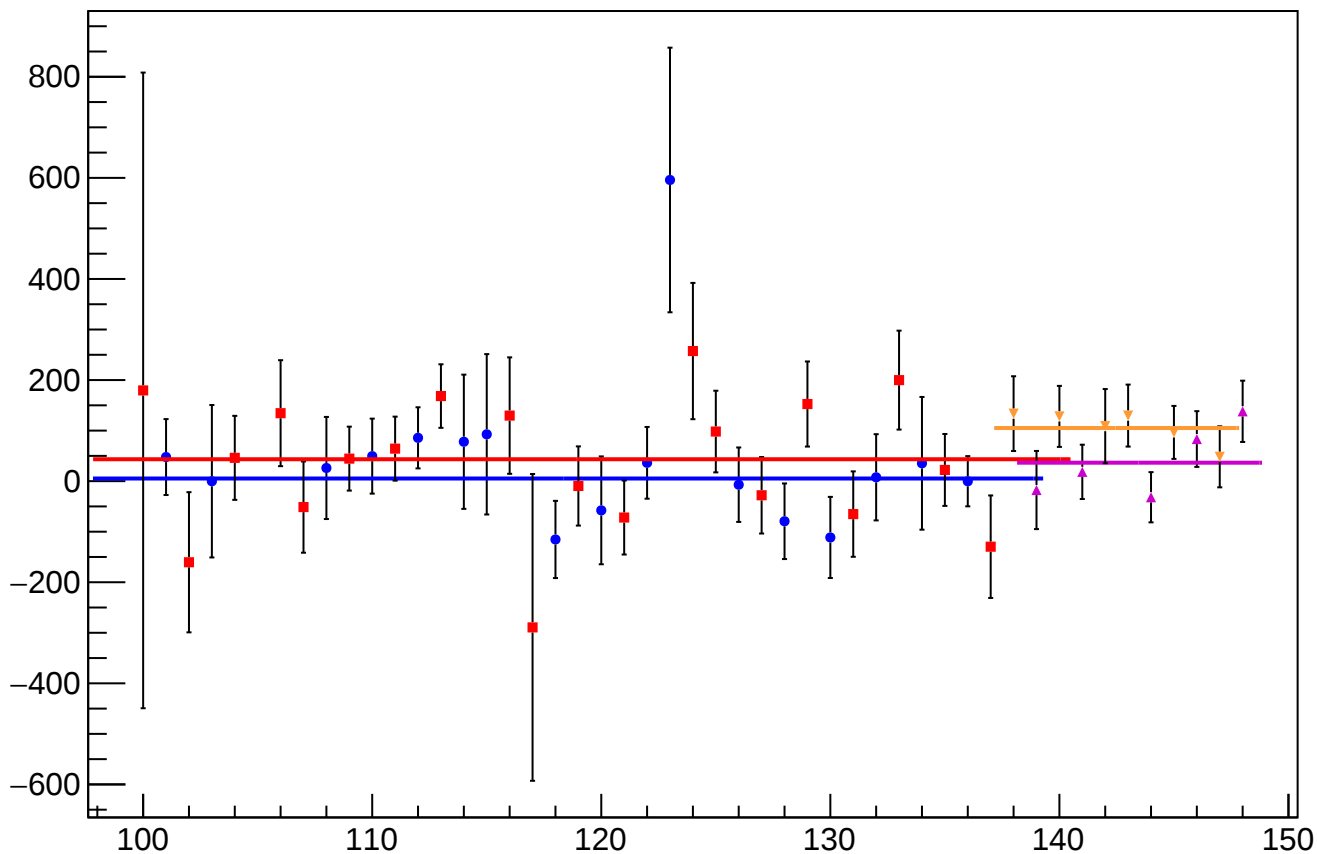
Left In: 120.530+/-0.044 χ^2/NDF : 330143.0/4

123.984+/-0.045 χ^2/NDF : 583143.5/5

122.229+/-0.031 χ^2/NDF : 916328.1/10

120.530+/-0.044 χ^2/NDF : 330143.0/4

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 105.093 ± 25.422 χ^2/NDF : 1.4/5

Right Out: 43.354 ± 19.371 χ^2/NDF : 25.6/19

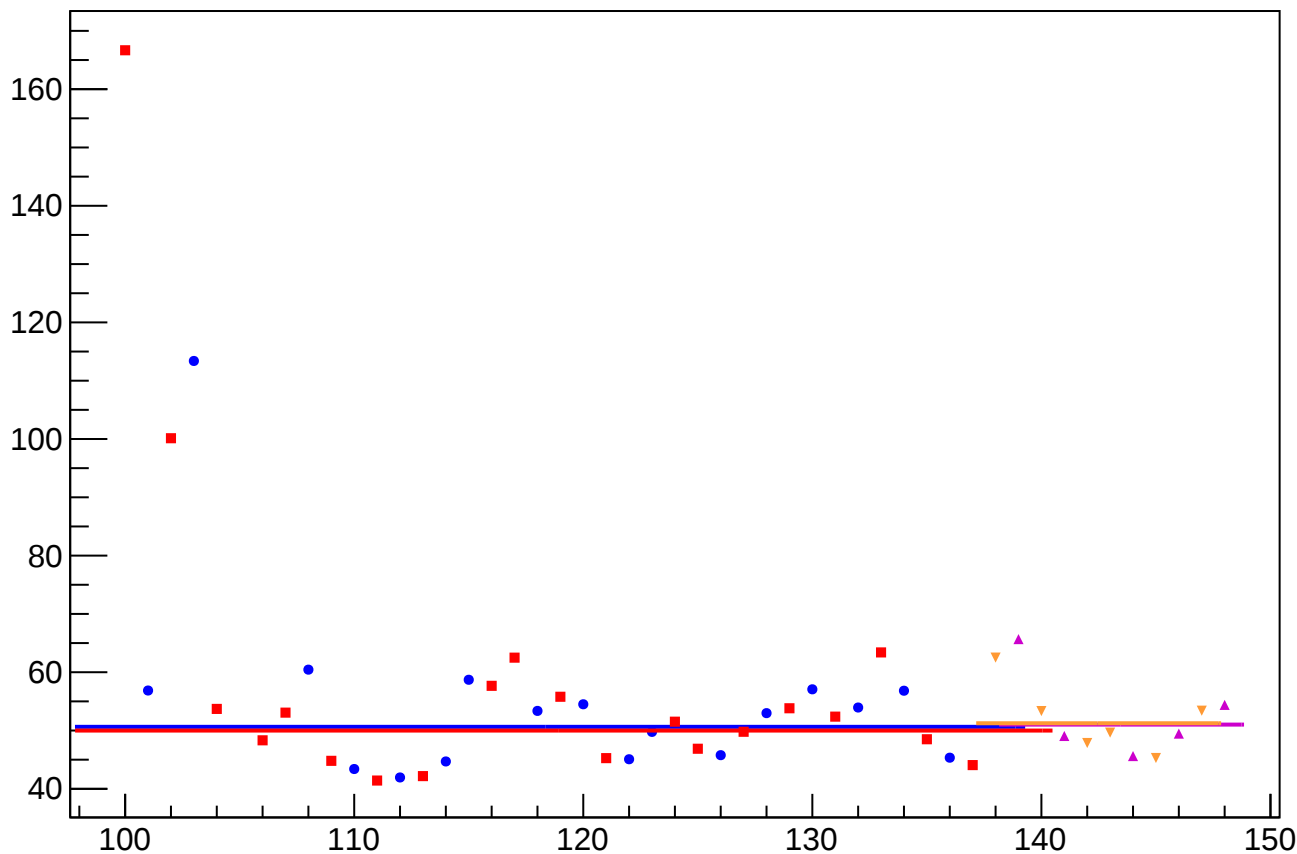
Left In: 36.520 ± 25.650 χ^2/NDF : 6.0/4

43.756 ± 15.791 χ^2/NDF : 25.6/22

42.283 ± 11.046 χ^2/NDF : 57.2/47

40.872 ± 15.458 χ^2/NDF : 31.7/24

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: 51.248 $\pm$ 0.018 χ^2 /NDF: 82774.9/5

Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

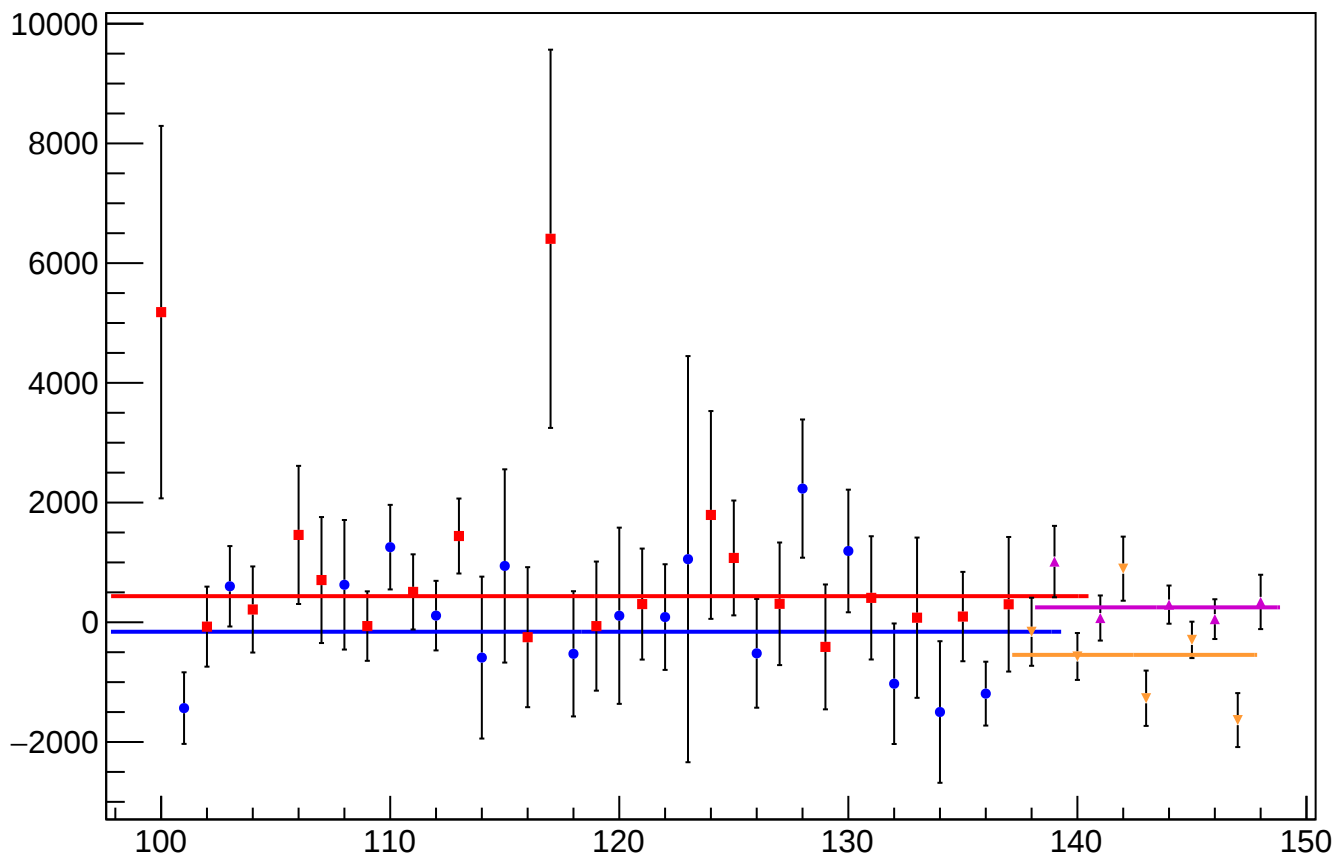
Left In: 51.018 $\pm$ 0.018 χ^2 /NDF: 105961.2/4

50.871 $\pm$ 0.011 χ^2 /NDF: 603175.4/22

50.613 $\pm$ 0.008 χ^2 /NDF: 1216109.8/47

50.366 $\pm$ 0.011 χ^2 /NDF: 611887.8/24

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -544.432+/-172.693 χ^2/NDF : 16.7/5

Right Out: 436.410+/-203.212 χ^2/NDF : 13.4/19

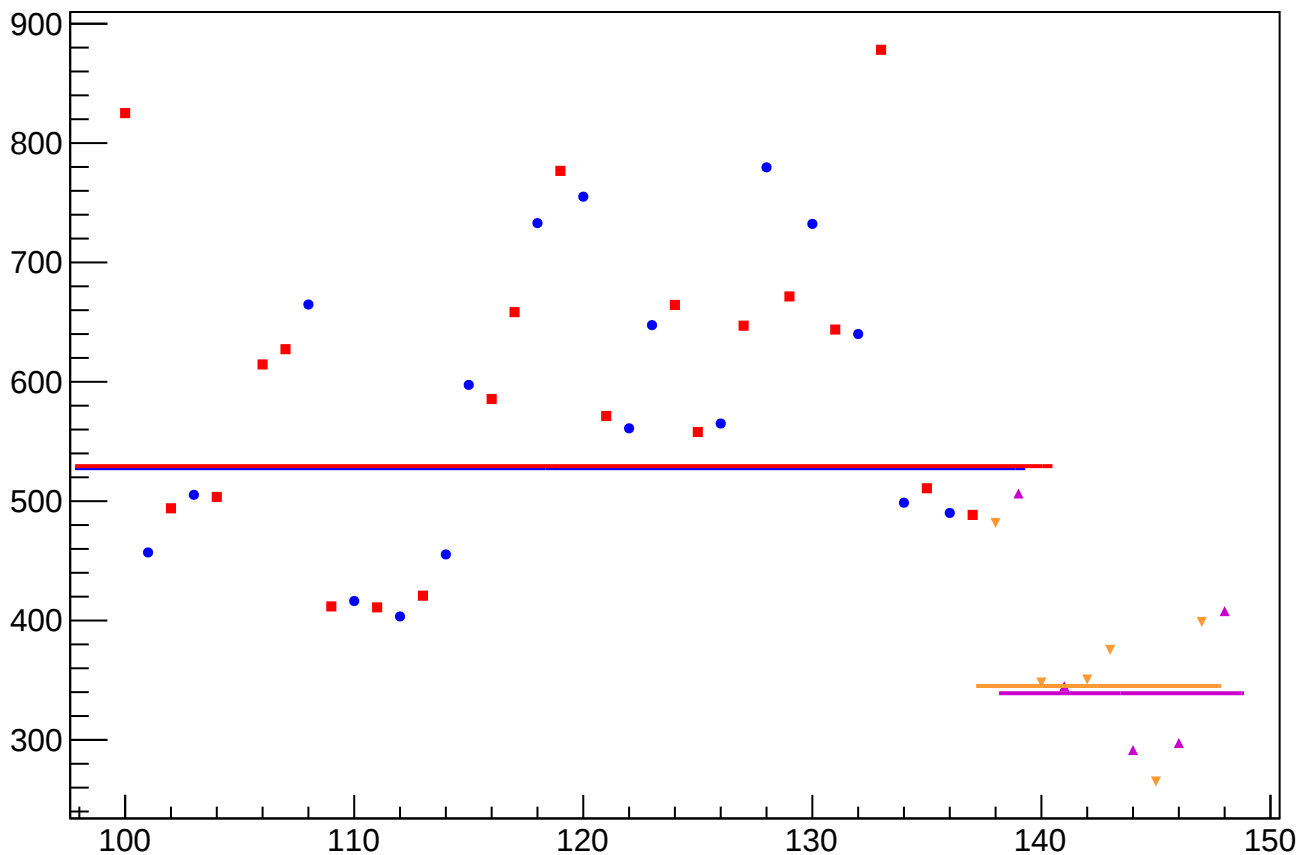
Left In: 249.437+/-172.526 χ^2/NDF : 2.3/4

-388.694+/-133.430 χ^2/NDF : 42.2/22

-25.303+/-93.667 χ^2/NDF : 72.9/47

327.755+/-131.520 χ^2/NDF : 16.1/24

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: 345.147 $\pm$ 0.122 χ^2/NDF : 291514.2/5

Right Out: 529.342 $\pm$ 0.144 χ^2/NDF : 626714.3/19

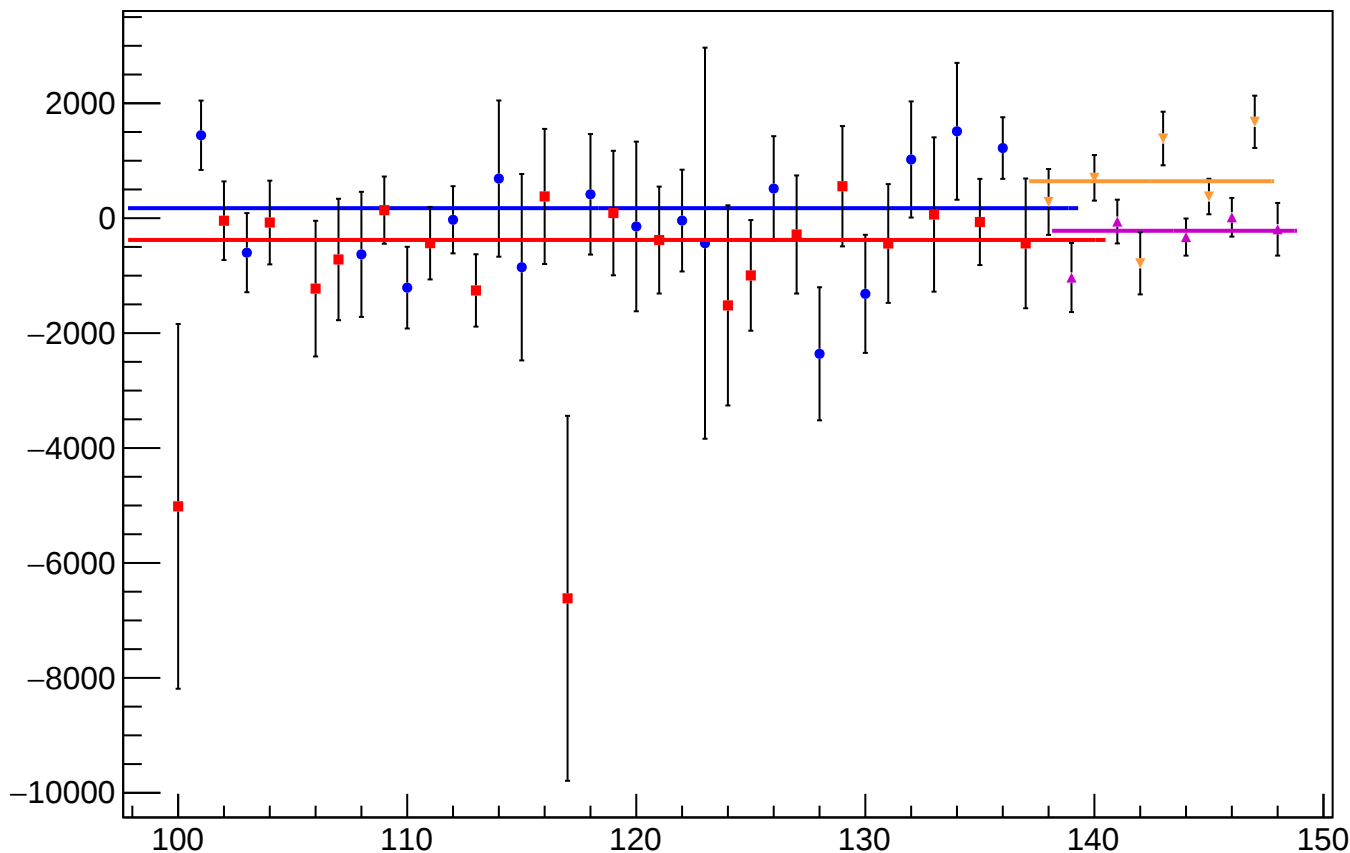
Left In: 339.090 $\pm$ 0.122 χ^2/NDF : 279918.5/4

418.704 $\pm$ 0.094 χ^2/NDF : 1749280.0/22

418.743 $\pm$ 0.066 χ^2/NDF : 3674657.4/47

418.781 $\pm$ 0.093 χ^2/NDF : 1925377.1/24

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 643.576 $\pm$ 174.704 χ^2 /NDF:15.9/5

Right Out: -378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

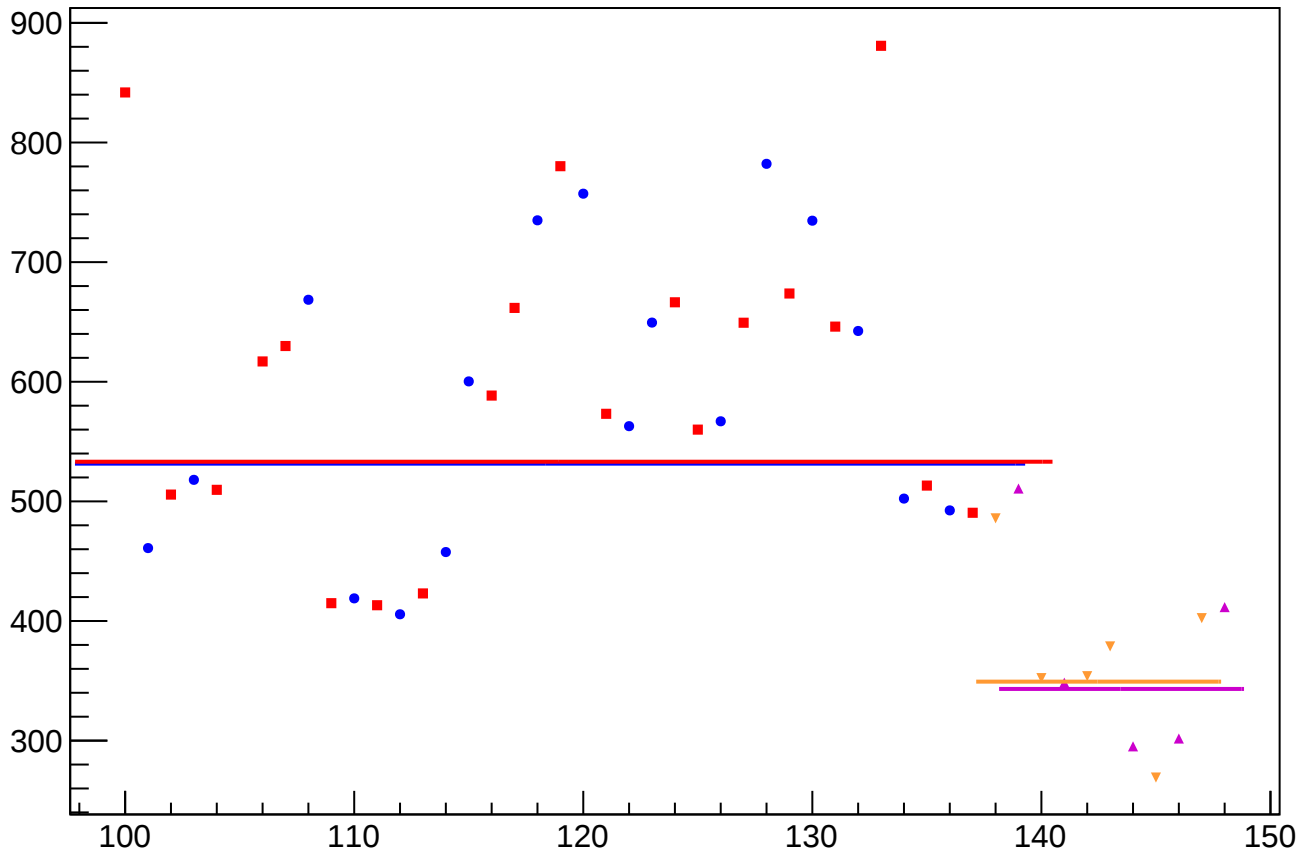
Left In: -218.913 $\pm$ 174.547 χ^2 /NDF:2.6/4

453.544 $\pm$ 134.736 χ^2 /NDF: 42.5/22

78.468 $\pm$ 94.595 χ^2 /NDF: 73.0/47

-286.114 $\pm$ 132.838 χ^2 /NDF: 15.3/24

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 349.313+/-0.124 χ^2/NDF : 283928.2/5

Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

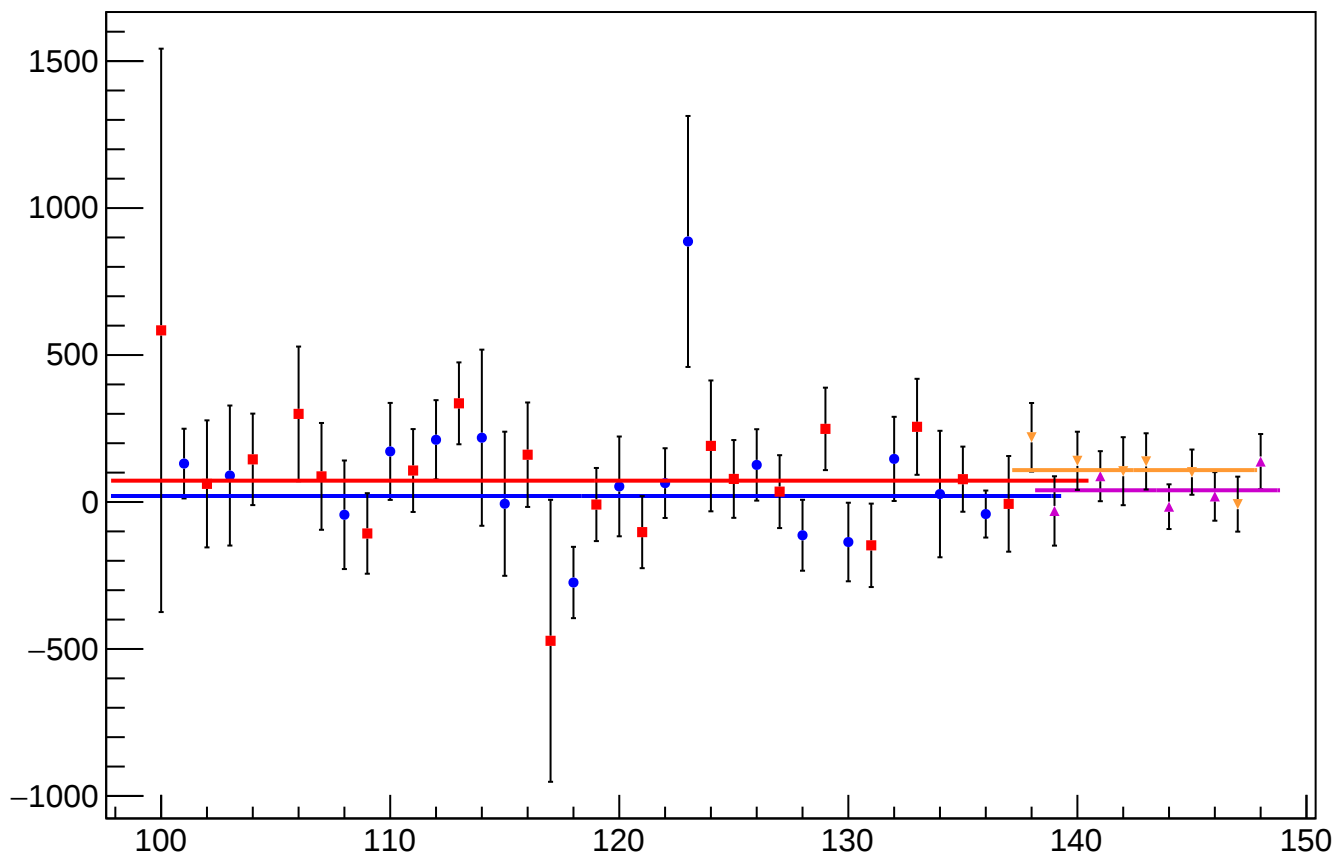
Left In: 343.210+/-0.123 χ^2/NDF : 274572.4/4

423.160+/-0.095 χ^2/NDF : 1715870.0/22

423.150+/-0.067 χ^2/NDF : 3606167.7/47

423.141+/-0.094 χ^2/NDF : 1890297.7/24

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 108.512 $\pm$ 39.441 χ^2 /NDF: 2.7/5

Right Out: 72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

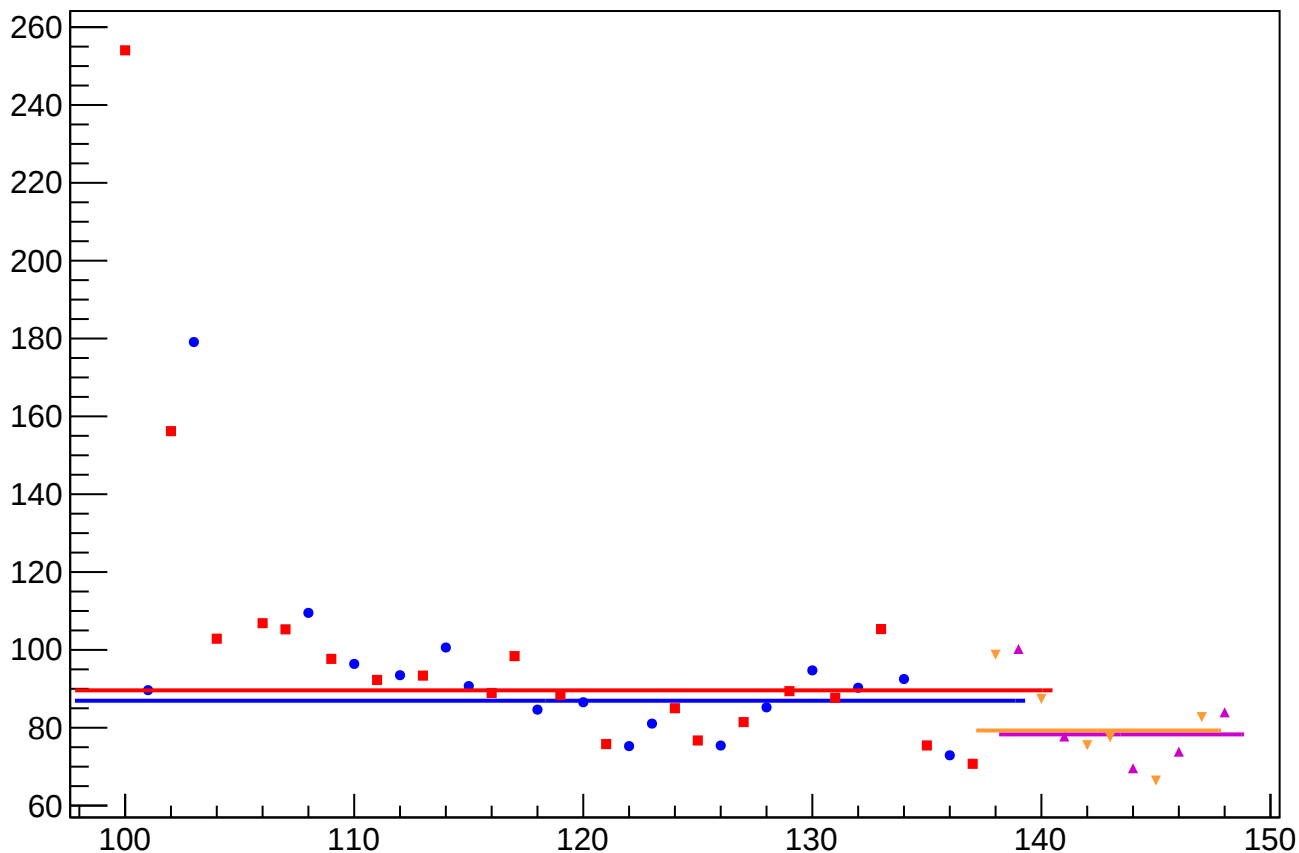
Left In: 39.919 $\pm$ 39.426 χ^2 /NDF: 2.4/4

58.722 $\pm$ 26.003 χ^2 /NDF: 24.7/22

58.551 $\pm$ 18.389 χ^2 /NDF: 44.2/47

58.379 $\pm$ 26.009 χ^2 /NDF: 19.4/24

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 79.295+/-0.028 χ^2/NDF :130629.0/5

Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

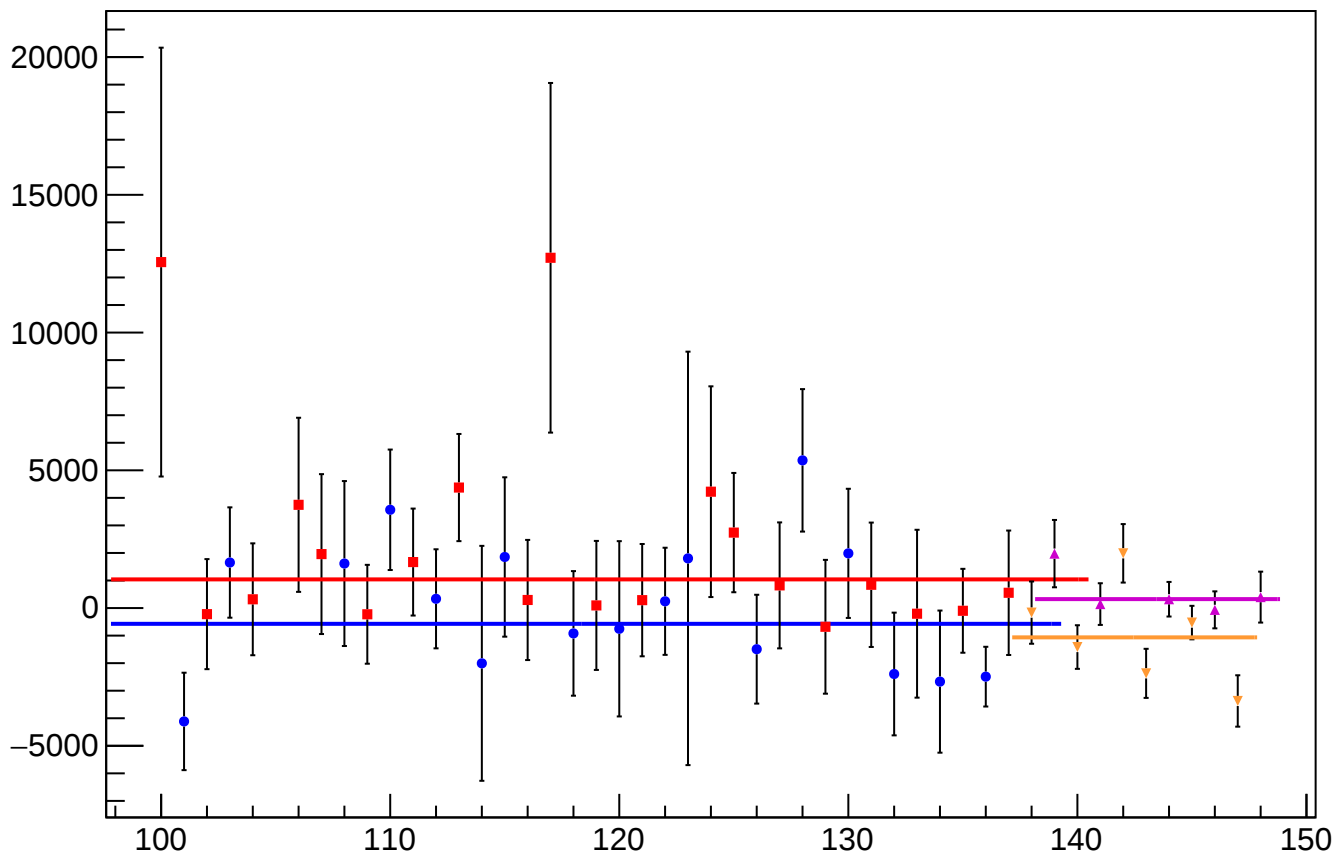
Left In: 78.291+/-0.028 χ^2/NDF :108595.6/4

83.619+/-0.018 χ^2/NDF : 628948.1/22

84.150+/-0.013 χ^2/NDF : 1264178.5/47

84.682+/-0.018 χ^2/NDF : 633557.3/24

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 $\pm$ 517.020 χ^2 /NDF: 21.9/16

Left Out: -1064.080 $\pm$ 345.544 χ^2 /NDF: 18.1/5

Right Out: 1040.618 $\pm$ 512.937 χ^2 /NDF: 13.5/19

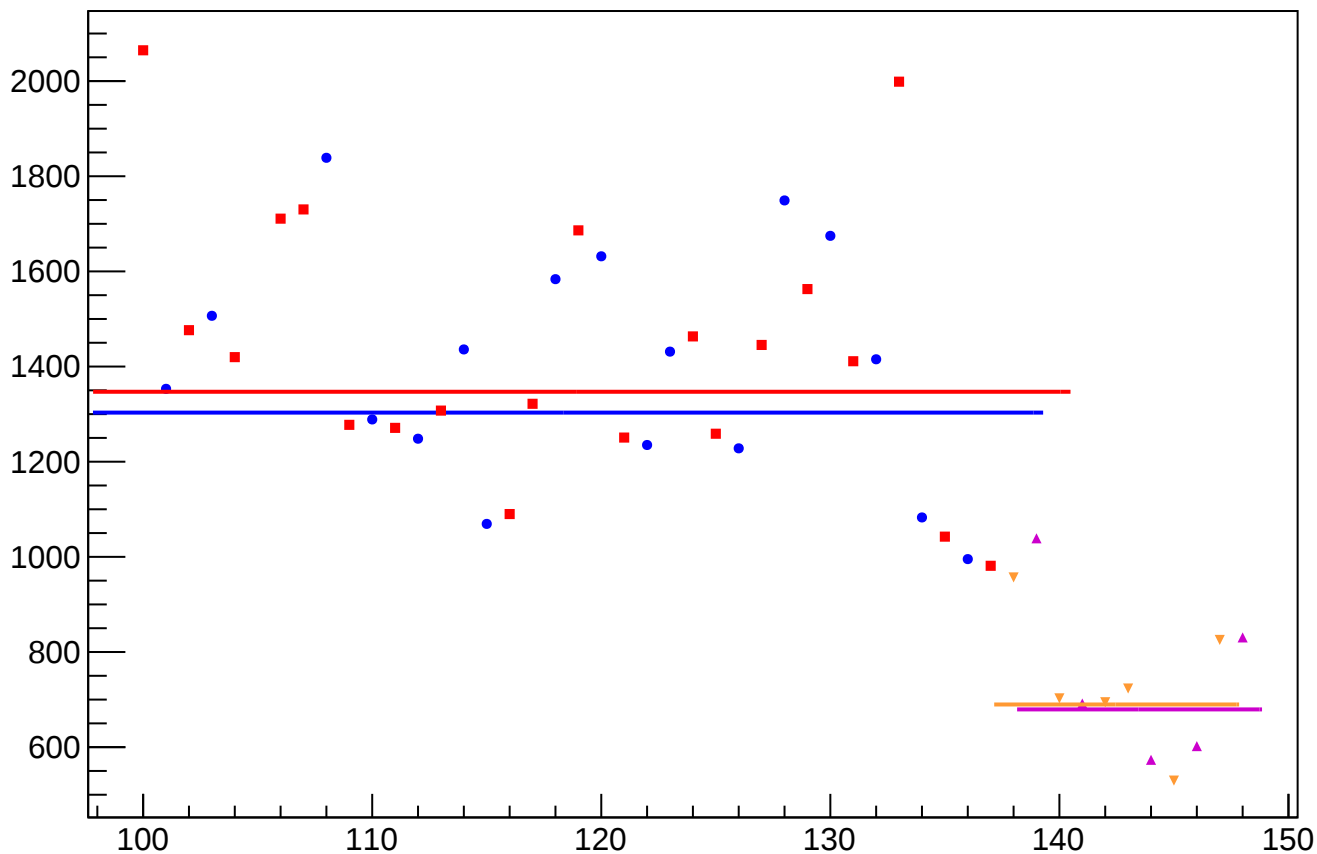
Left In: 324.741 $\pm$ 346.242 χ^2 /NDF: 2.2/4

-912.251 $\pm$ 287.288 χ^2 /NDF: 40.6/22

-180.928 $\pm$ 203.034 χ^2 /NDF: 70.6/47

548.826 $\pm$ 286.980 χ^2 /NDF: 17.1/24

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201 ± 0.366 χ^2/NDF : 451961.9/16

Left Out: 689.699 ± 0.244 χ^2/NDF : 295612.0/5

Right Out: 1347.011 ± 0.363 χ^2/NDF : 420806.0/19

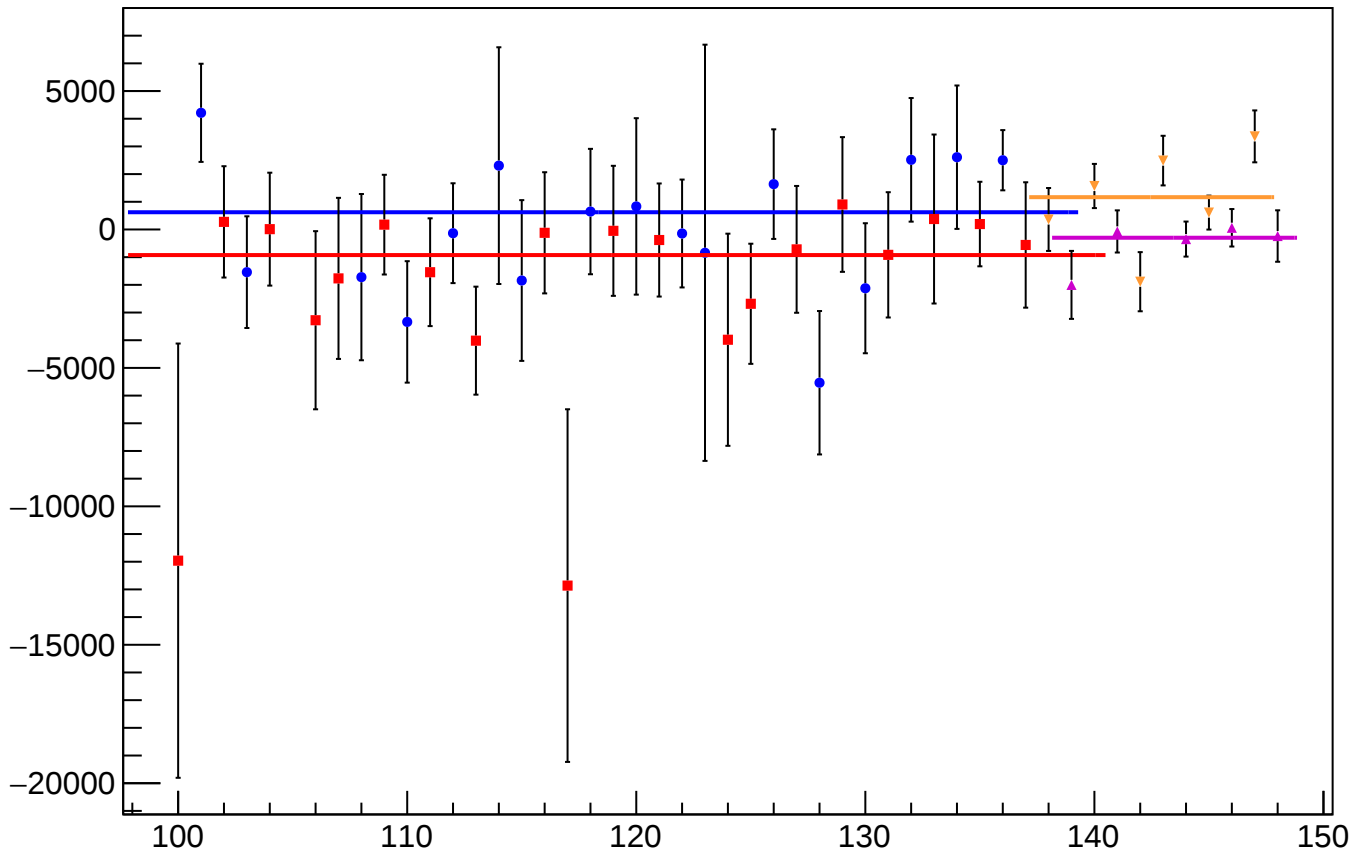
Left In: 679.331 ± 0.245 χ^2/NDF : 310619.5/4

879.124 ± 0.203 χ^2/NDF : 2694168.5/22

883.732 ± 0.144 χ^2/NDF : 5754607.3/47

888.330 ± 0.203 χ^2/NDF : 3059410.9/24

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1166.455 $\pm$ 347.939 χ^2 /NDF: 17.4/5

Right Out: -924.488 $\pm$ 514.636 χ^2 /NDF: 12.6/19

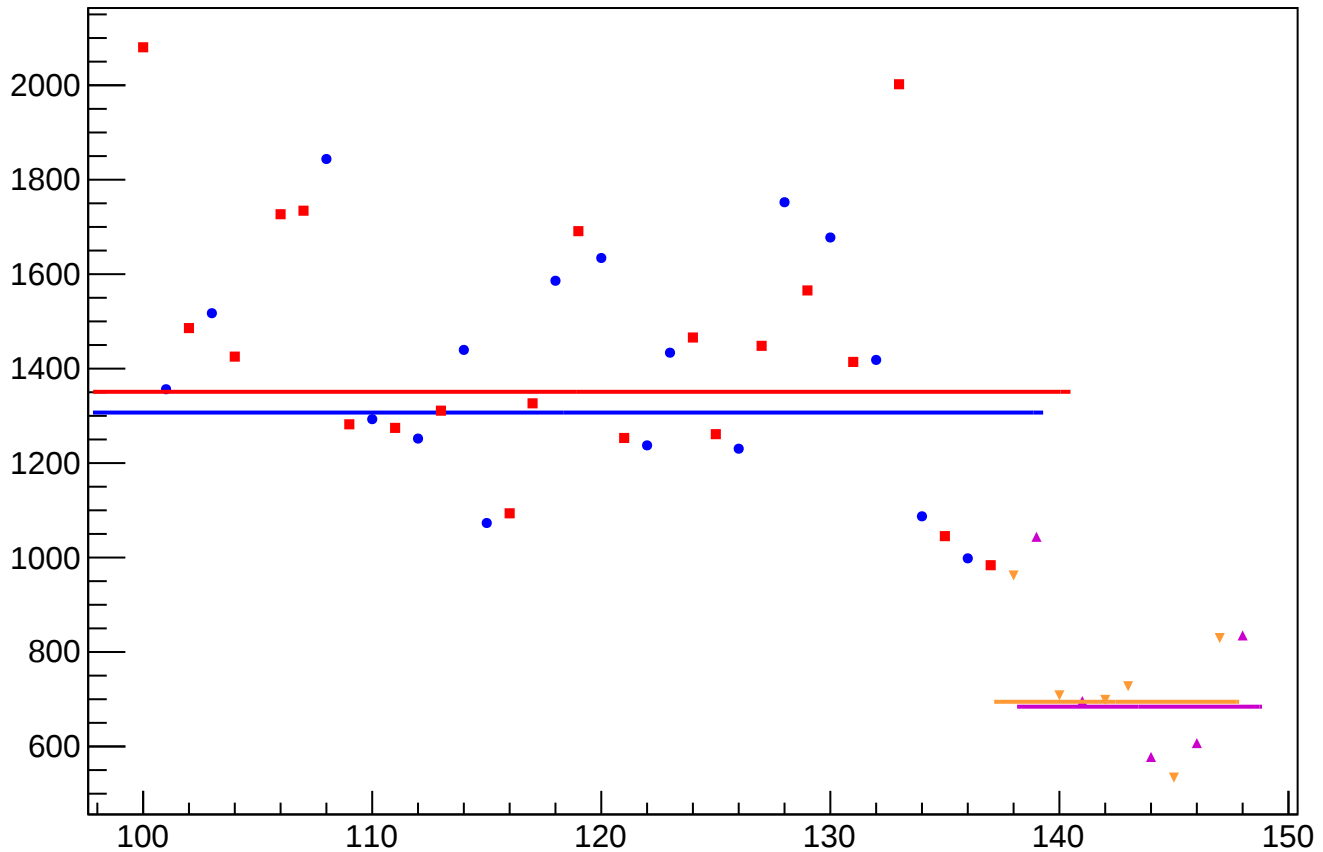
Left In: -298.703 $\pm$ 348.647 χ^2 /NDF: 2.3/4

997.533 $\pm$ 288.917 χ^2 /NDF: 40.1/22

250.285 $\pm$ 204.199 χ^2 /NDF: 69.4/47

-495.562 $\pm$ 288.646 χ^2 /NDF: 15.9/24

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 694.616 $\pm$ 0.246 χ^2 /NDF: 292329.3/5

Right Out: 1350.936 $\pm$ 0.364 χ^2 /NDF: 421834.2/19

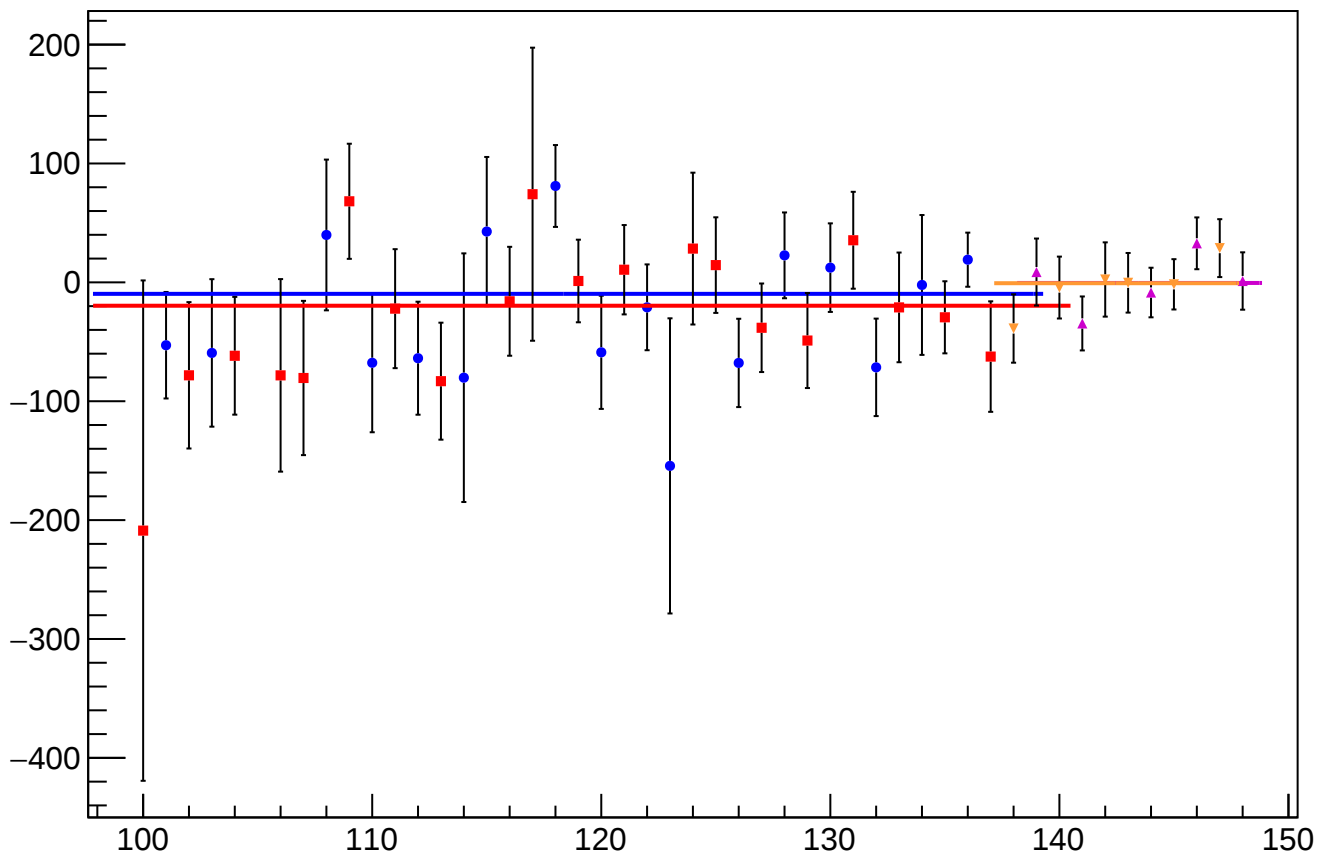
Left In: 684.217 $\pm$ 0.247 χ^2 /NDF: 307351.0/4

884.752 $\pm$ 0.204 χ^2 /NDF: 2667040.3/22

889.357 $\pm$ 0.144 χ^2 /NDF: 5698003.1/47

893.953 $\pm$ 0.204 χ^2 /NDF: 3029947.6/24

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: -0.718 ± 10.415 χ^2/NDF : 3.3/5

Right Out: -19.662 ± 10.406 χ^2/NDF : 15.2/19

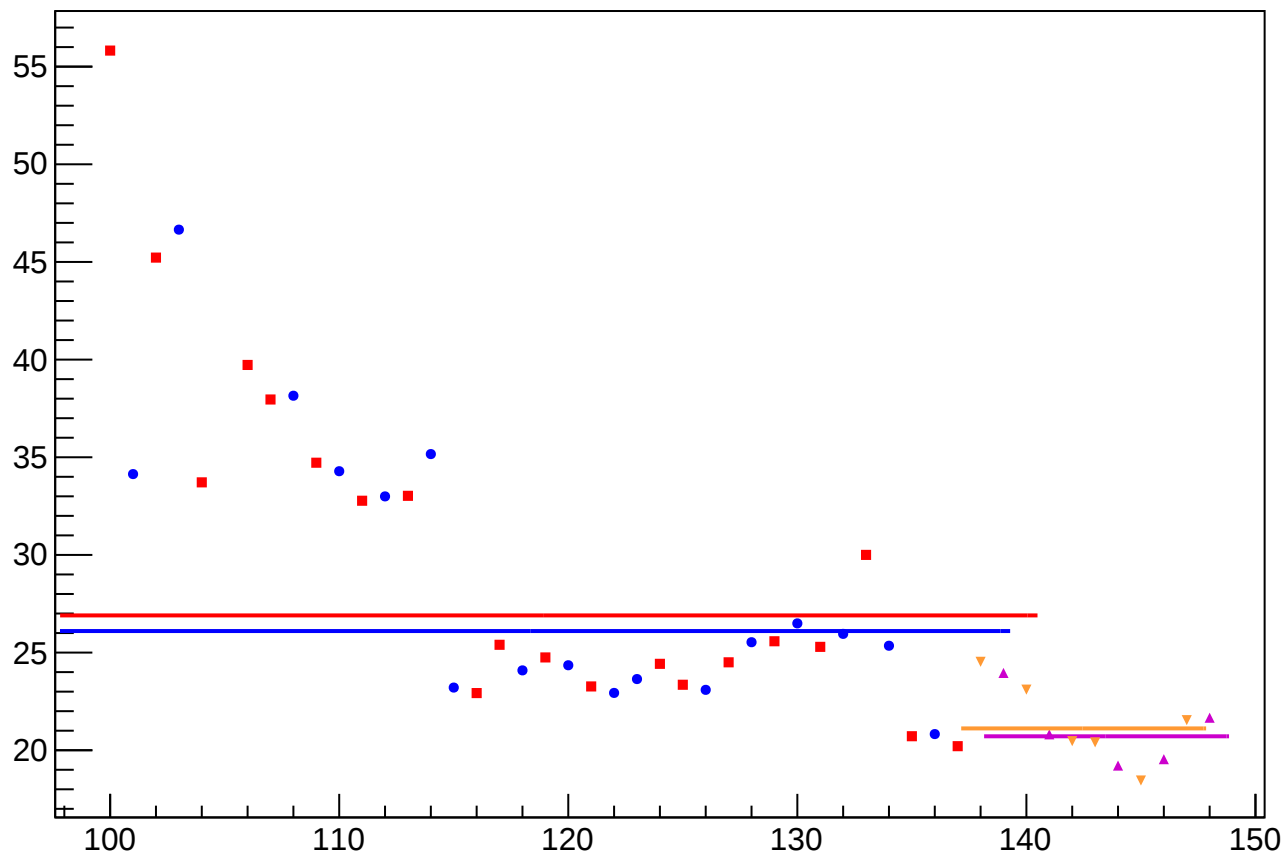
Left In: -0.506 ± 10.357 χ^2/NDF : 4.9/4

-5.196 ± 7.362 χ^2/NDF : 26.2/22

-7.624 ± 5.198 χ^2/NDF : 48.2/47

-10.038 ± 7.341 χ^2/NDF : 21.8/24

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 21.118+/-0.007 χ^2/NDF : 74611.1/5

Right Out: 26.903+/-0.007 χ^2/NDF : 679269.9/19

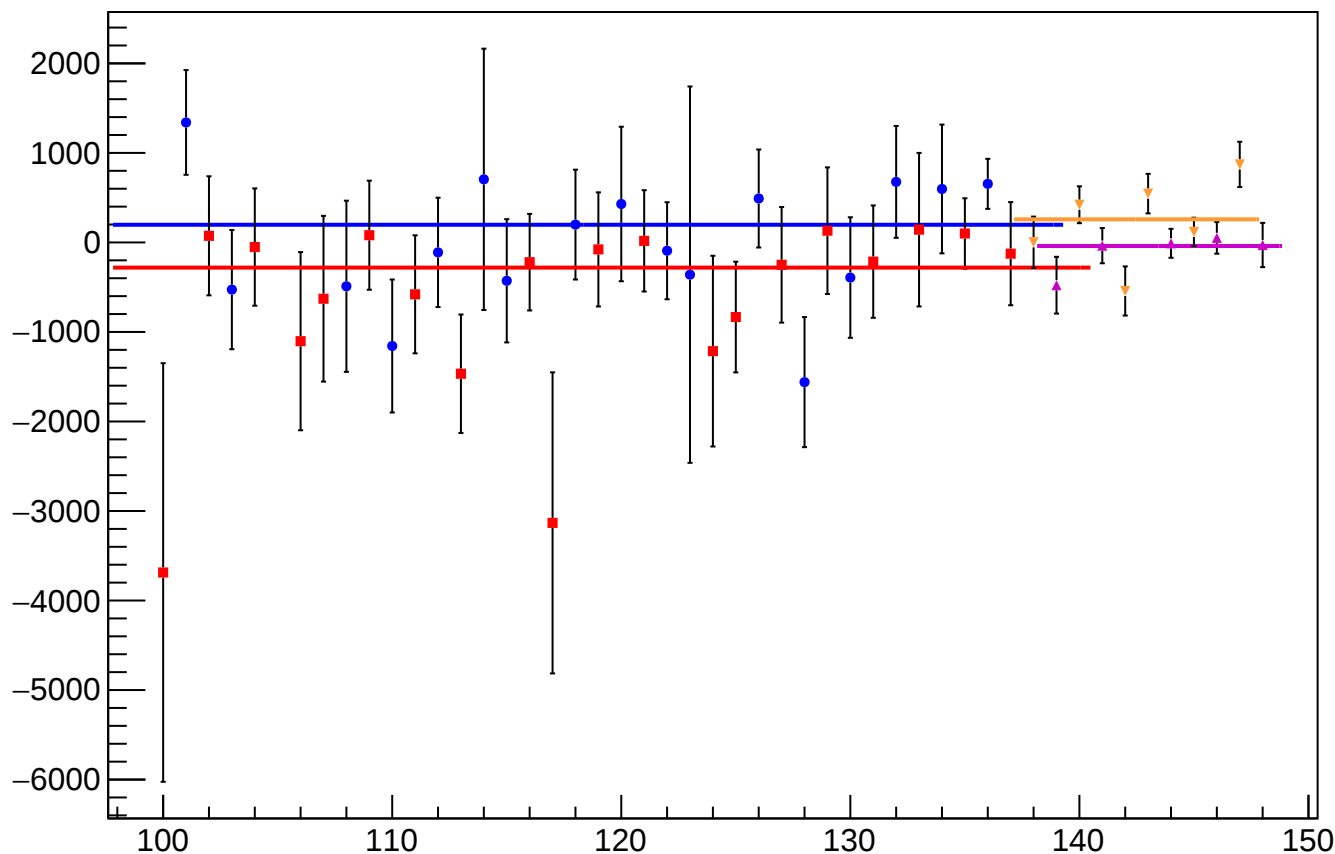
Left In: 20.714+/-0.007 χ^2/NDF : 45757.1/4

23.612+/-0.005 χ^2/NDF : 907905.6/22

23.703+/-0.004 χ^2/NDF : 1988957.9/47

23.794+/-0.005 χ^2/NDF : 1080439.9/24

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: 258.140 $\pm$ 89.530 χ^2 /NDF: 18.3/5

Right Out: -281.185 $\pm$ 149.275 χ^2 /NDF: 13.6/19

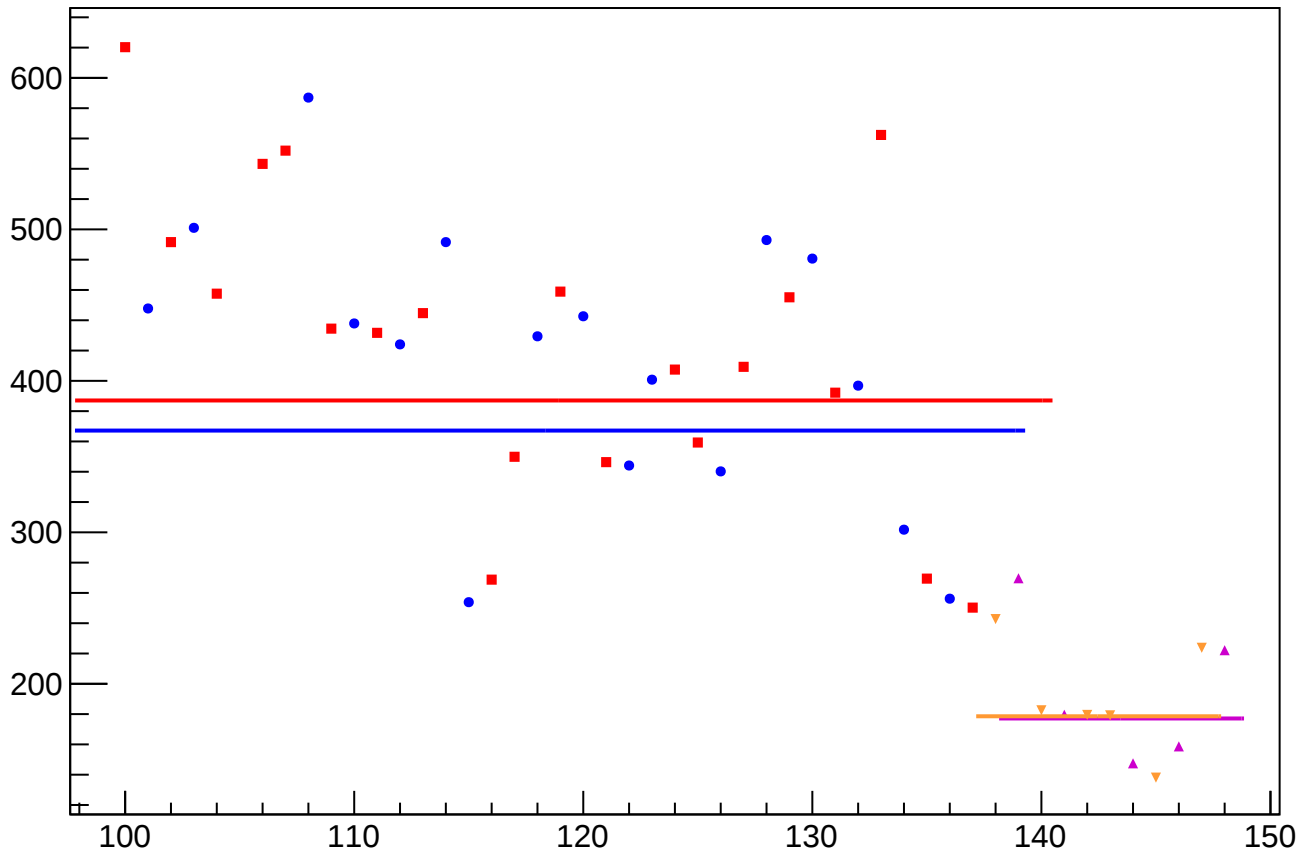
Left In: -40.025 $\pm$ 90.363 χ^2 /NDF: 2.2/4

241.829 $\pm$ 76.588 χ^2 /NDF: 39.4/22

70.176 $\pm$ 54.407 χ^2 /NDF: 67.2/47

-104.698 $\pm$ 77.303 χ^2 /NDF: 17.7/24

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: 178.564 $\pm$ 0.063 χ^2 /NDF: 294579.2/5

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

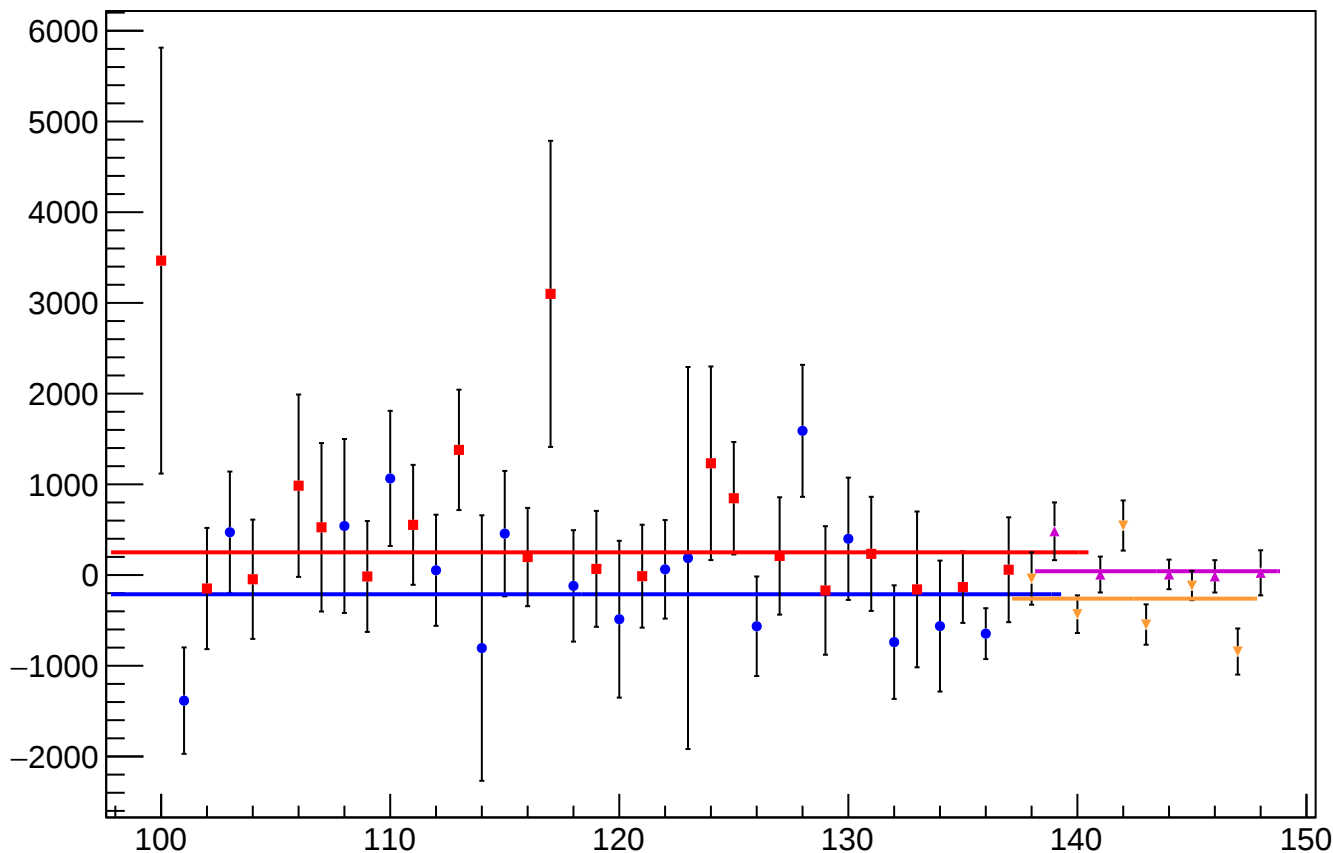
Left In: 177.111 $\pm$ 0.064 χ^2 /NDF: 326131.8/4

229.153 $\pm$ 0.054 χ^2 /NDF: 3502600.3/22

231.262 $\pm$ 0.038 χ^2 /NDF: 7502292.7/47

233.411 $\pm$ 0.055 χ^2 /NDF: 3996630.6/24

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 $\chi^2/\text{NDF}: 21.0/16$

Left Out: -260.001 ± 90.184 $\chi^2/\text{NDF}: 17.5/5$

Right Out: 250.443 ± 149.724 $\chi^2/\text{NDF}: 12.9/19$

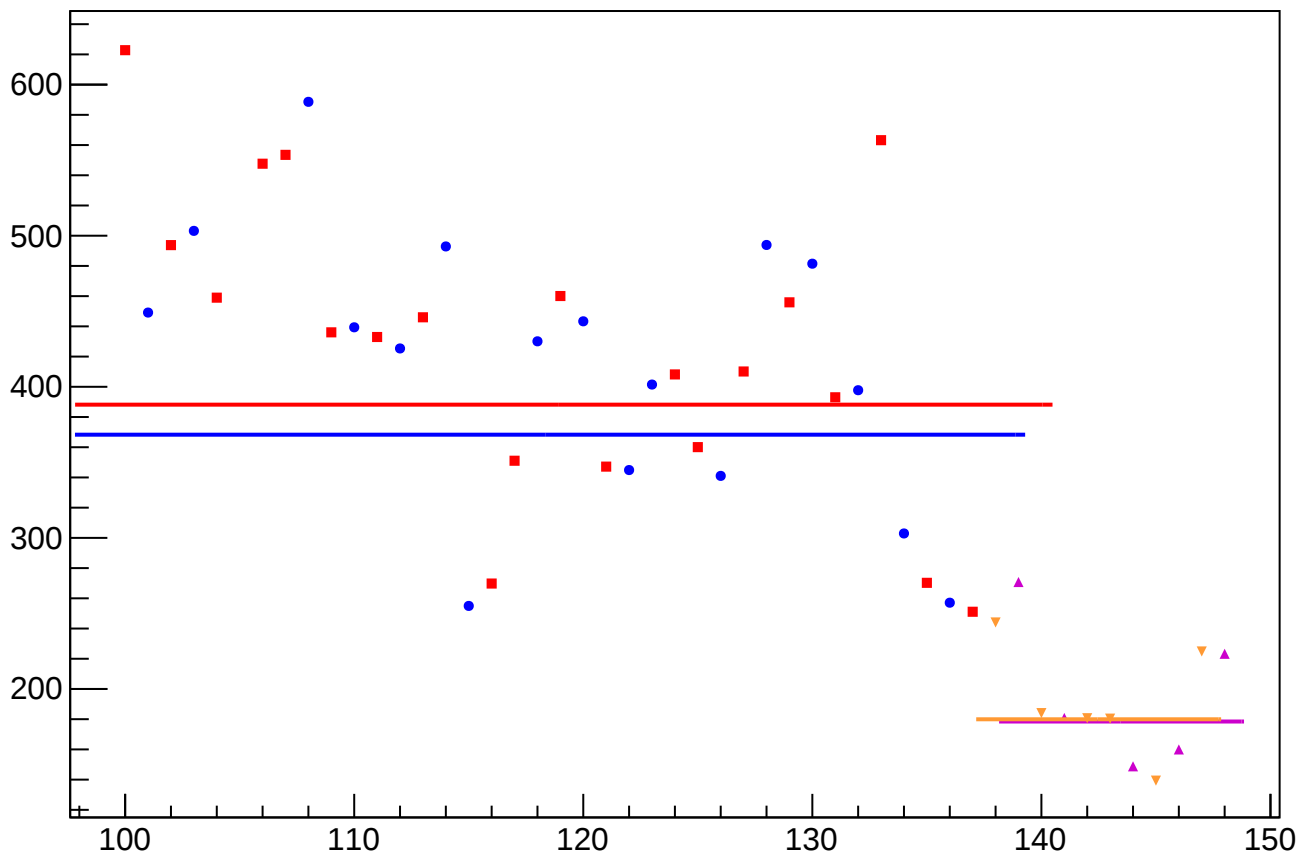
Left In: 42.383 ± 91.017 $\chi^2/\text{NDF}: 2.1/4$

-247.006 ± 77.057 $\chi^2/\text{NDF}: 38.6/22$

-75.841 ± 54.739 $\chi^2/\text{NDF}: 65.0/47$

98.523 ± 77.774 $\chi^2/\text{NDF}: 16.4/24$

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: 179.934 $\pm$ 0.064 χ^2/NDF : 290107.3/5

Right Out: 388.178 $\pm$ 0.106 χ^2/NDF : 775692.7/19

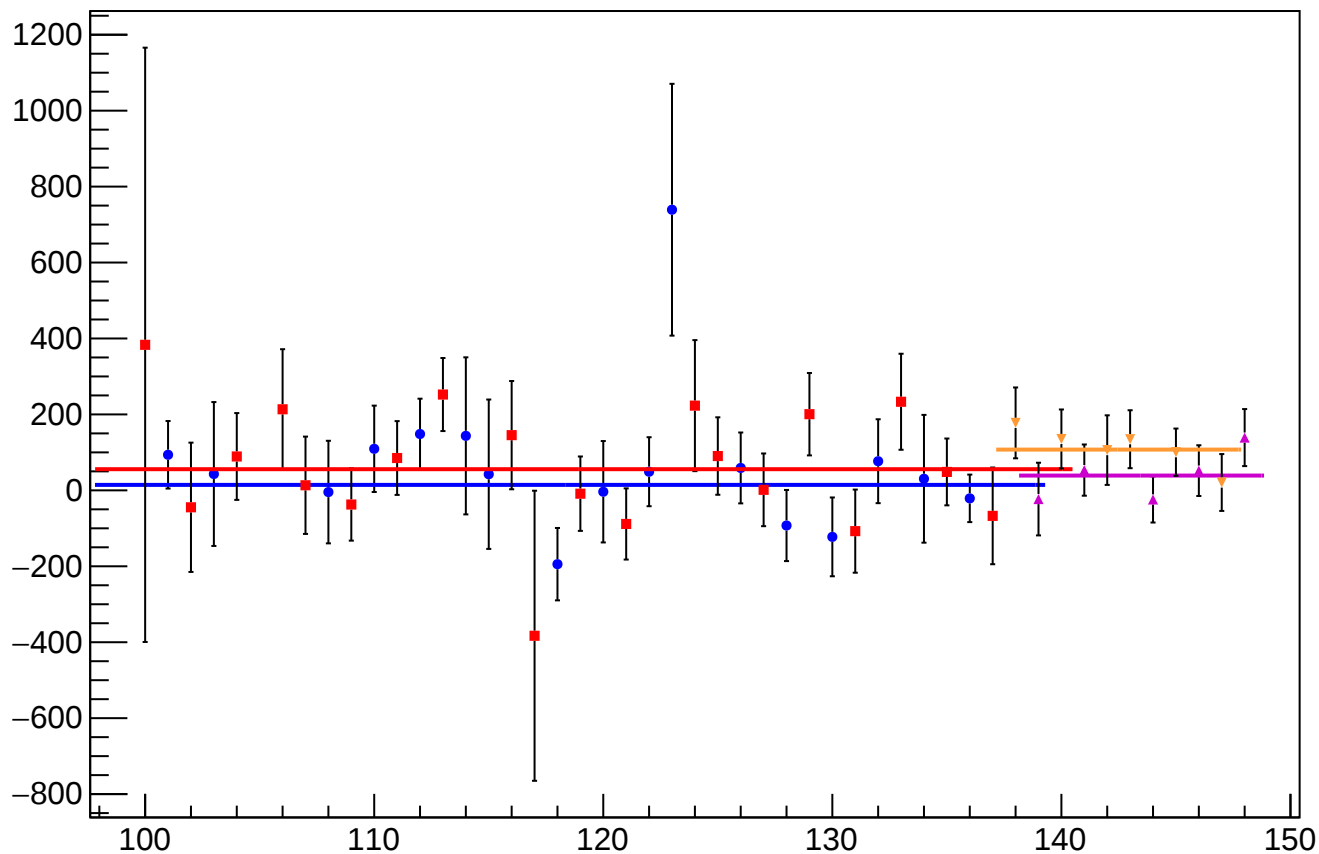
Left In: 178.462 $\pm$ 0.064 χ^2/NDF : 321324.8/4

230.780 $\pm$ 0.054 χ^2/NDF : 3469957.1/22

232.895 $\pm$ 0.039 χ^2/NDF : 7435093.3/47

235.049 $\pm$ 0.055 χ^2/NDF : 3962094.6/24

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 107.357+/-31.505 χ^2/NDF : 2.2/5

Right Out: 55.744+/-26.060 χ^2/NDF : 19.7/19

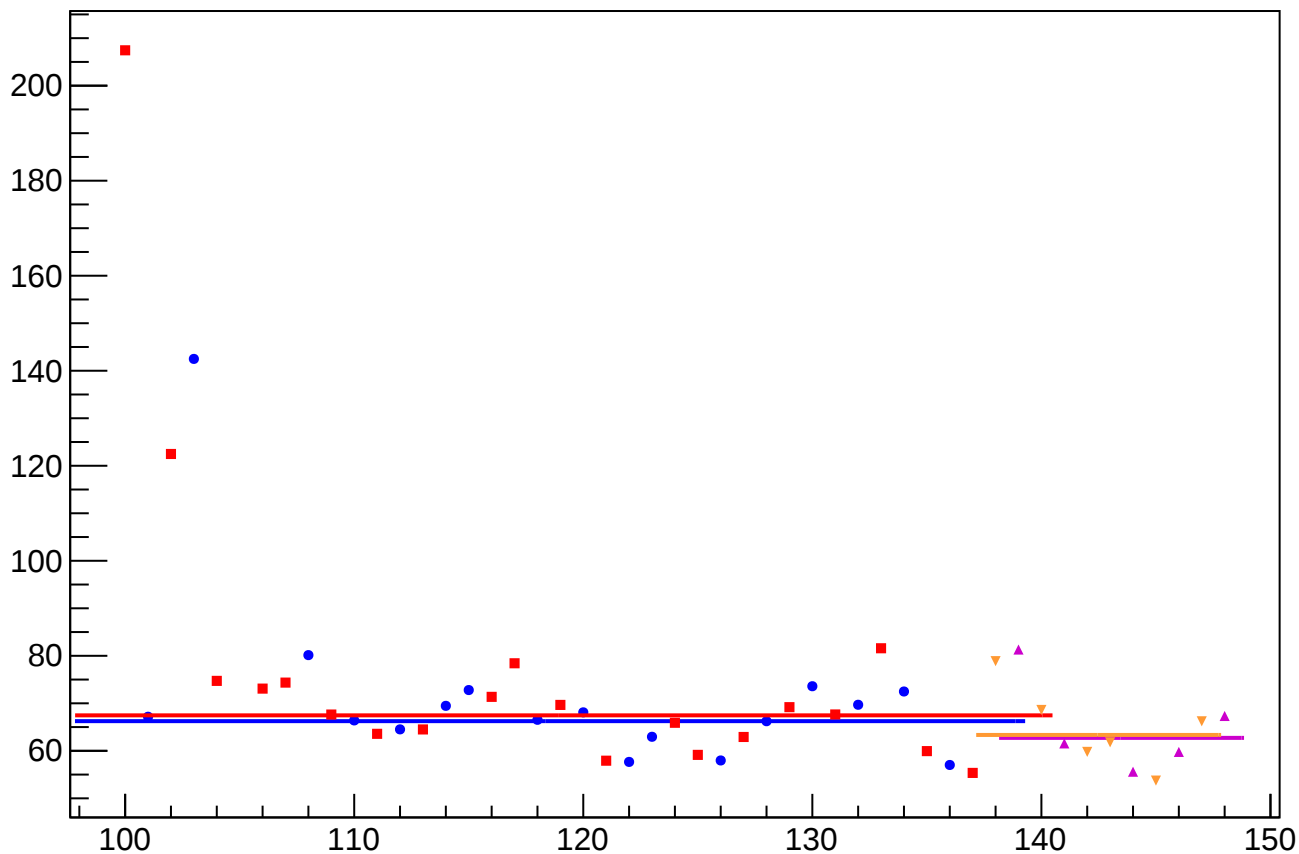
Left In: 38.949+/-31.597 χ^2/NDF : 3.4/4

52.624+/-20.205 χ^2/NDF : 25.0/22

50.775+/-14.251 χ^2/NDF : 48.3/47

48.944+/-20.104 χ^2/NDF : 23.3/24

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 ± 0.019 $\chi^2/\text{NDF}: 440944.2/16$

Left Out: 63.342 ± 0.022 $\chi^2/\text{NDF}: 118960.7/5$

Right Out: 67.466 ± 0.018 $\chi^2/\text{NDF}: 395262.8/19$

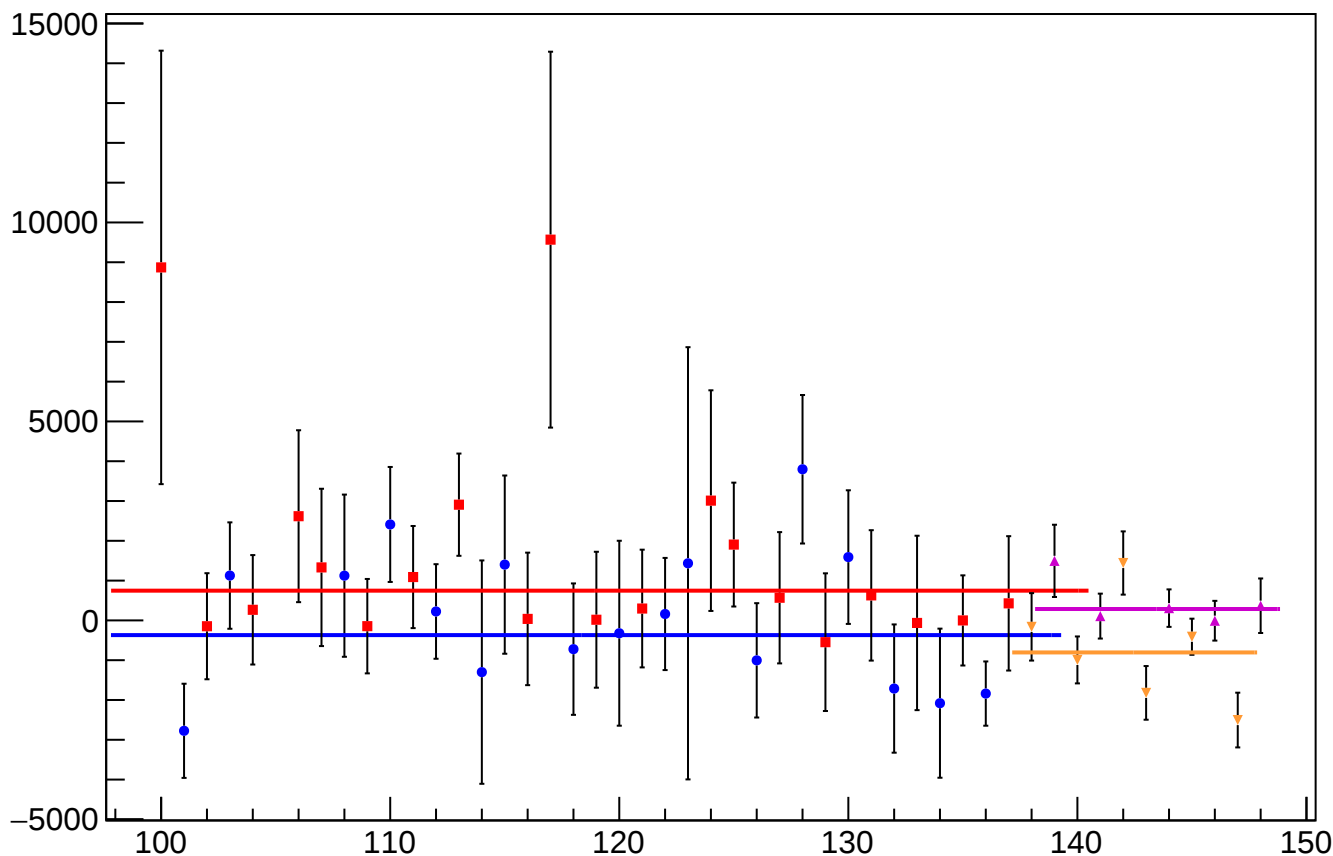
Left In: 62.725 ± 0.022 $\chi^2/\text{NDF}: 115034.9/4$

65.052 ± 0.014 $\chi^2/\text{NDF}: 569916.9/22$

65.301 ± 0.010 $\chi^2/\text{NDF}: 1107616.3/47$

65.547 ± 0.014 $\chi^2/\text{NDF}: 537096.7/24$

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -805.195+/-258.052 χ^2/NDF : 17.8/5

Right Out: 747.208+/-360.830 χ^2/NDF : 13.4/19

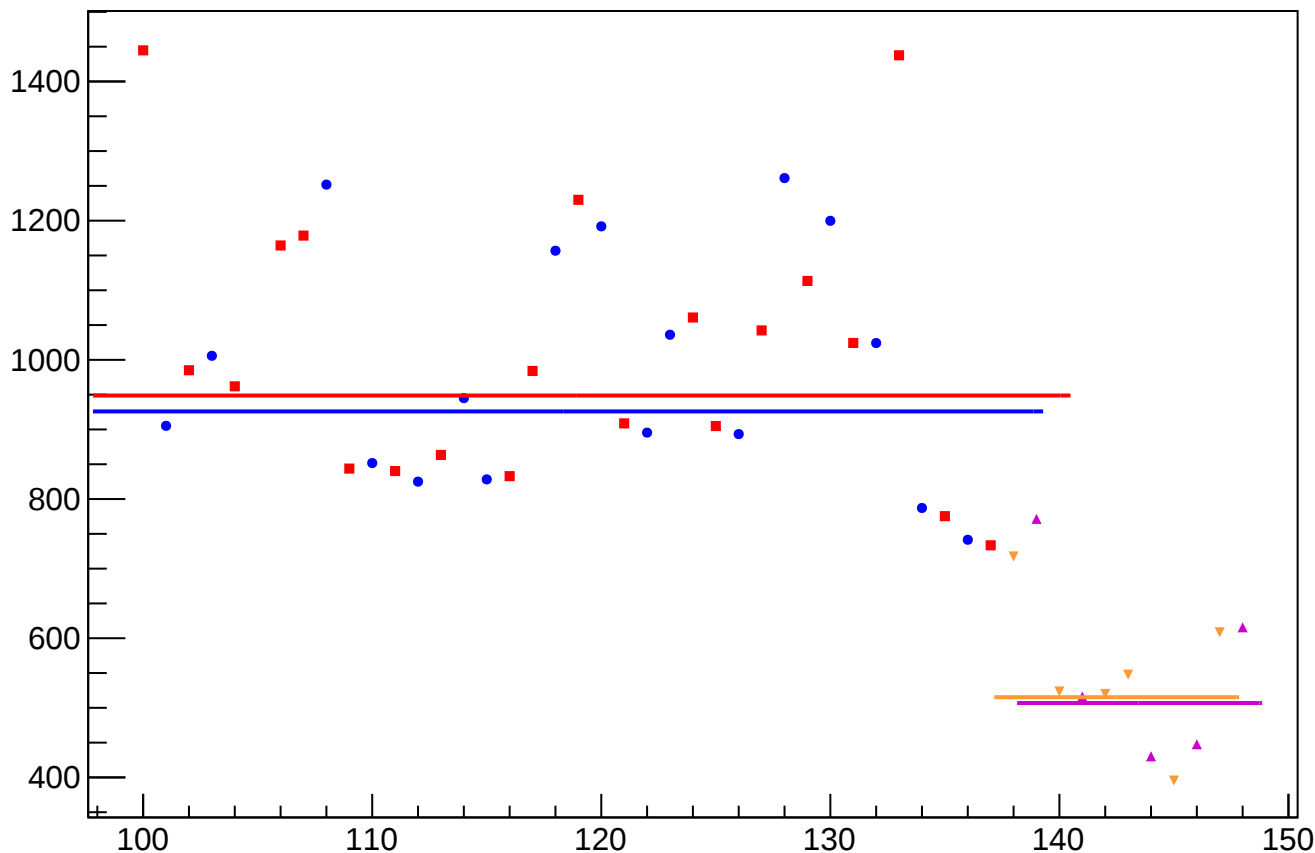
Left In: 286.386+/-258.209 χ^2/NDF : 2.2/4

-660.767+/-210.985 χ^2/NDF : 41.0/22

-106.535+/-148.833 χ^2/NDF : 71.5/47

442.448+/-209.983 χ^2/NDF : 16.8/24

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: 515.267 $\pm$ 0.182 χ^2 /NDF: 295092.0/5

Right Out: 948.760 $\pm$ 0.255 χ^2 /NDF: 382044.0/19

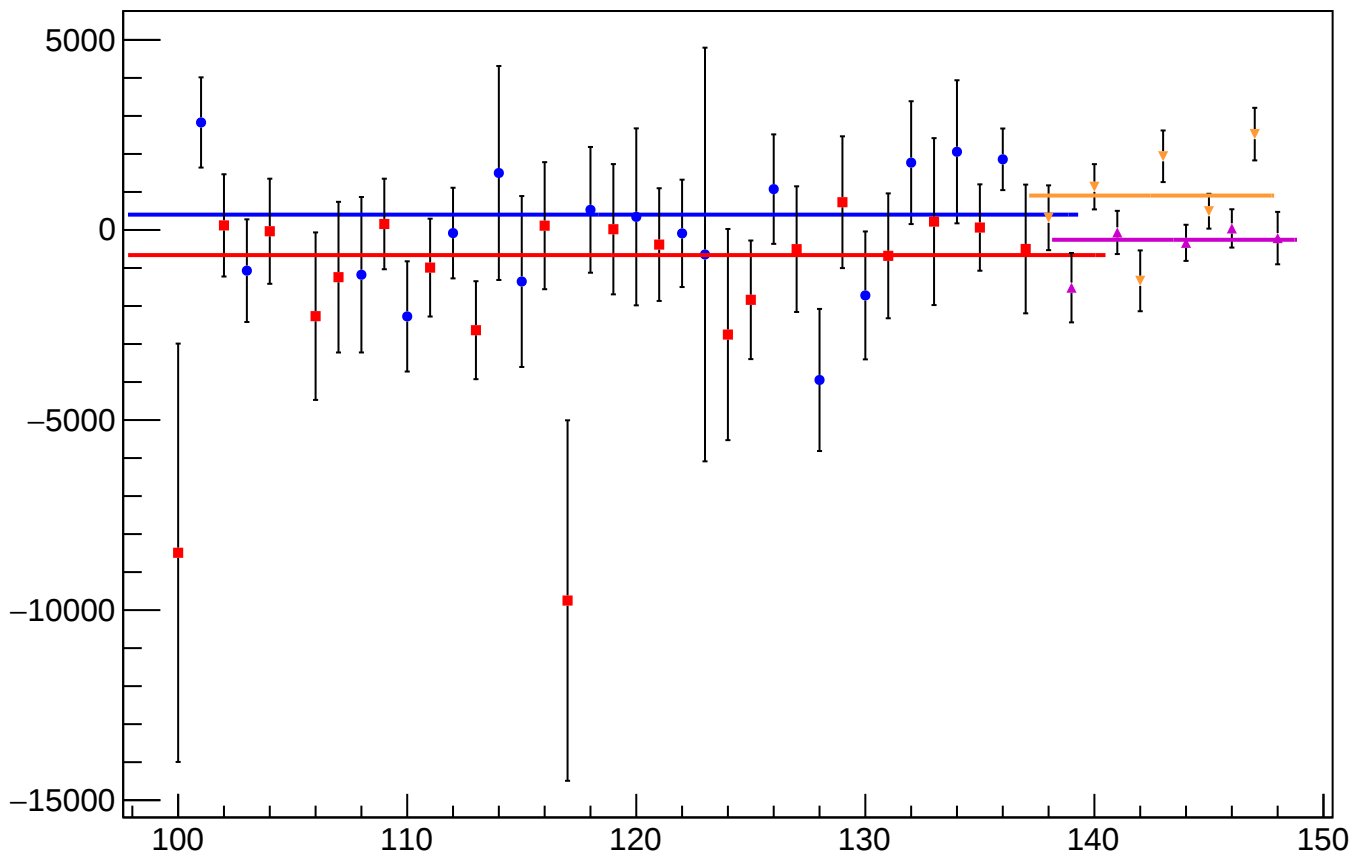
Left In: 506.880 $\pm$ 0.183 χ^2 /NDF: 301934.3/4

651.396 $\pm$ 0.149 χ^2 /NDF: 2364998.6/22

653.974 $\pm$ 0.105 χ^2 /NDF: 5033188.1/47

656.527 $\pm$ 0.148 χ^2 /NDF: 2667595.1/24

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591 $\pm$ 367.686 χ^2 /NDF: 22.4/16

Left Out: 905.867 $\pm$ 260.103 χ^2 /NDF:17.1/5

Right Out: -660.630 $\pm$ 362.265 χ^2 /NDF: 12.5/19

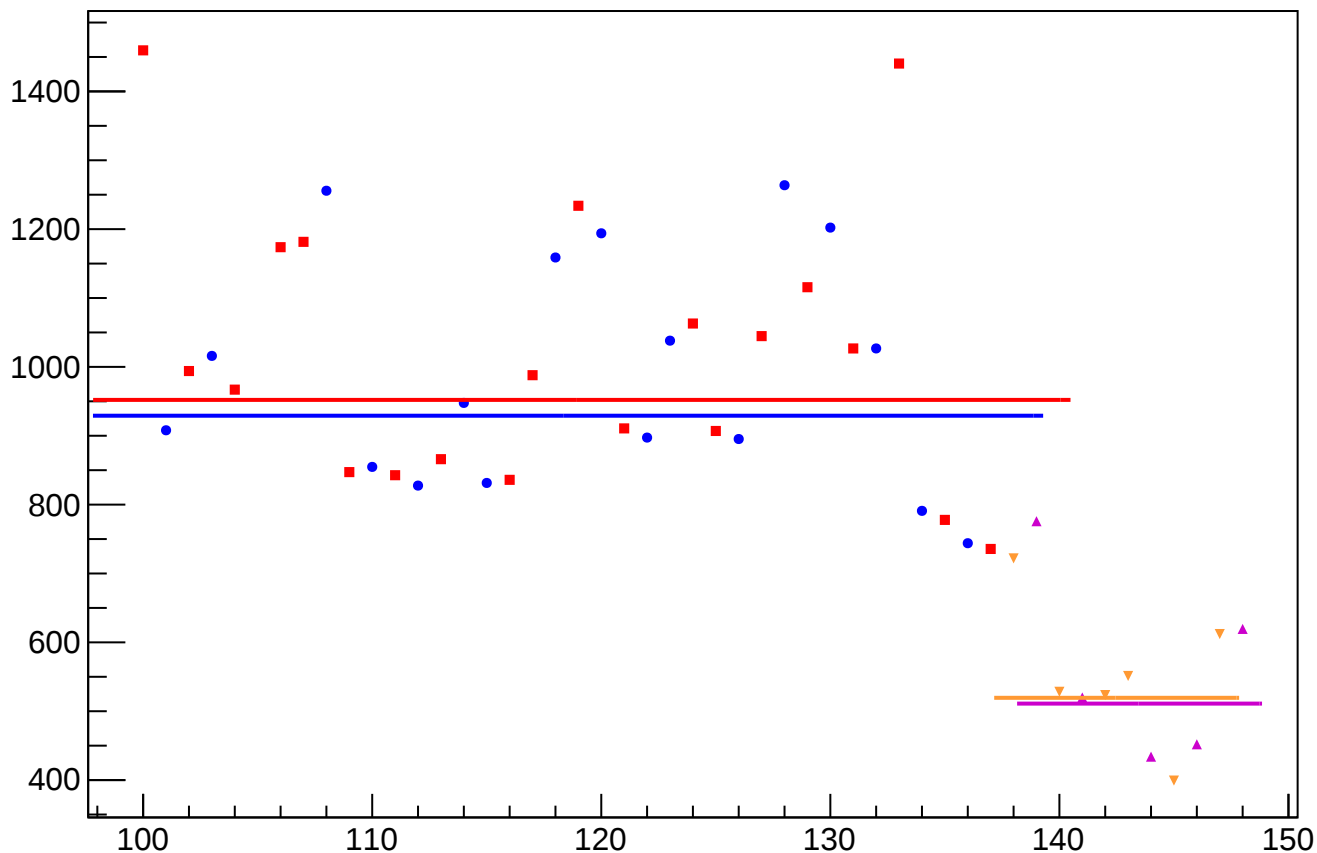
Left In: -257.858 $\pm$ 260.270 χ^2 /NDF:2.4/4

738.348 $\pm$ 212.343 χ^2 /NDF: 40.7/22

169.090 $\pm$ 149.805 χ^2 /NDF: 70.8/47

-394.980 $\pm$ 211.373 χ^2 /NDF: 15.7/24

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2/NDF : 390292.1/16

Left Out: 519.480 $\pm$ 0.184 χ^2/NDF : 290966.6/5

Right Out: 952.057 $\pm$ 0.256 χ^2/NDF : 382334.5/19

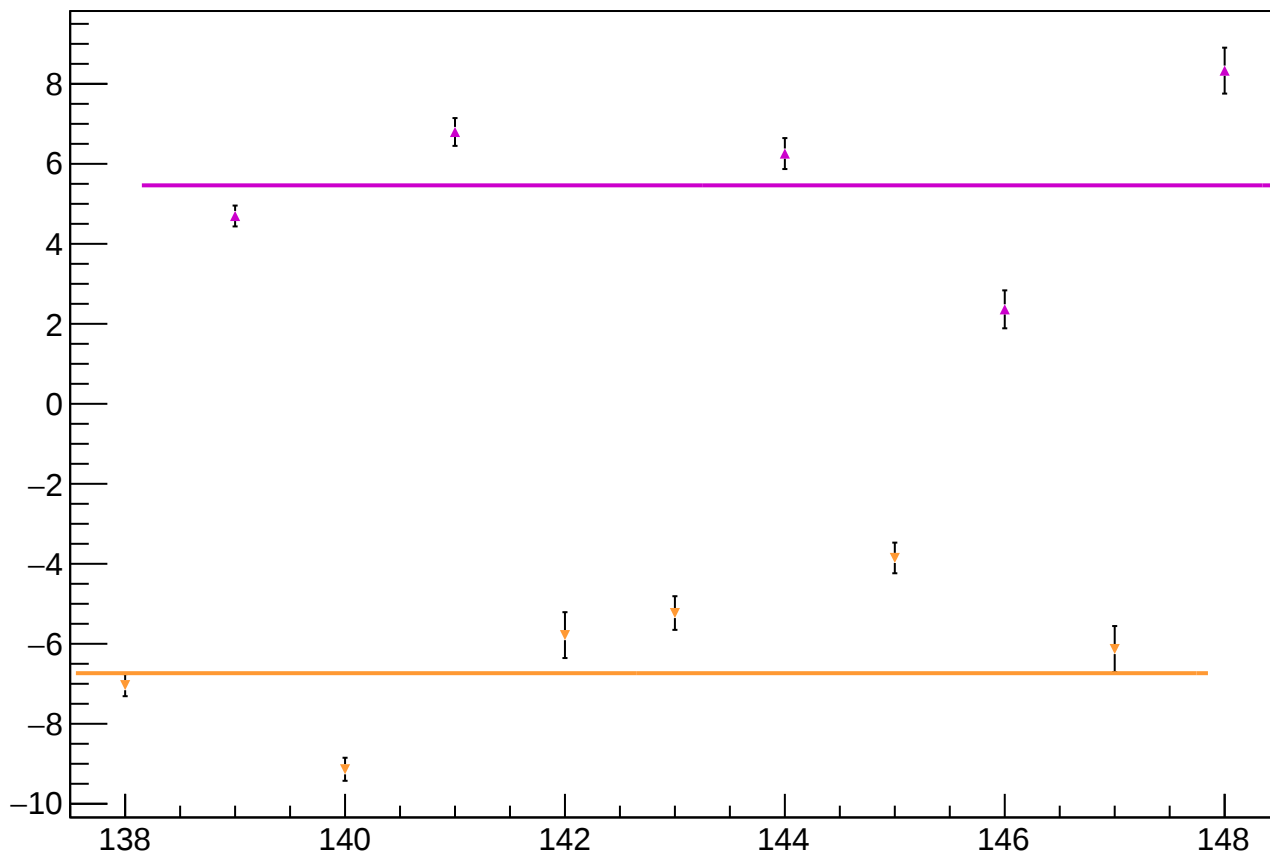
Left In: 511.064 $\pm$ 0.184 χ^2/NDF : 298326.6/4

656.095 $\pm$ 0.150 χ^2/NDF : 2335573.0/22

658.658 $\pm$ 0.106 χ^2/NDF : 4971566.8/47

661.198 $\pm$ 0.149 χ^2/NDF : 2635413.9/24

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.735 $\pm$ 0.151 χ^2 /NDF: 143.9/5

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

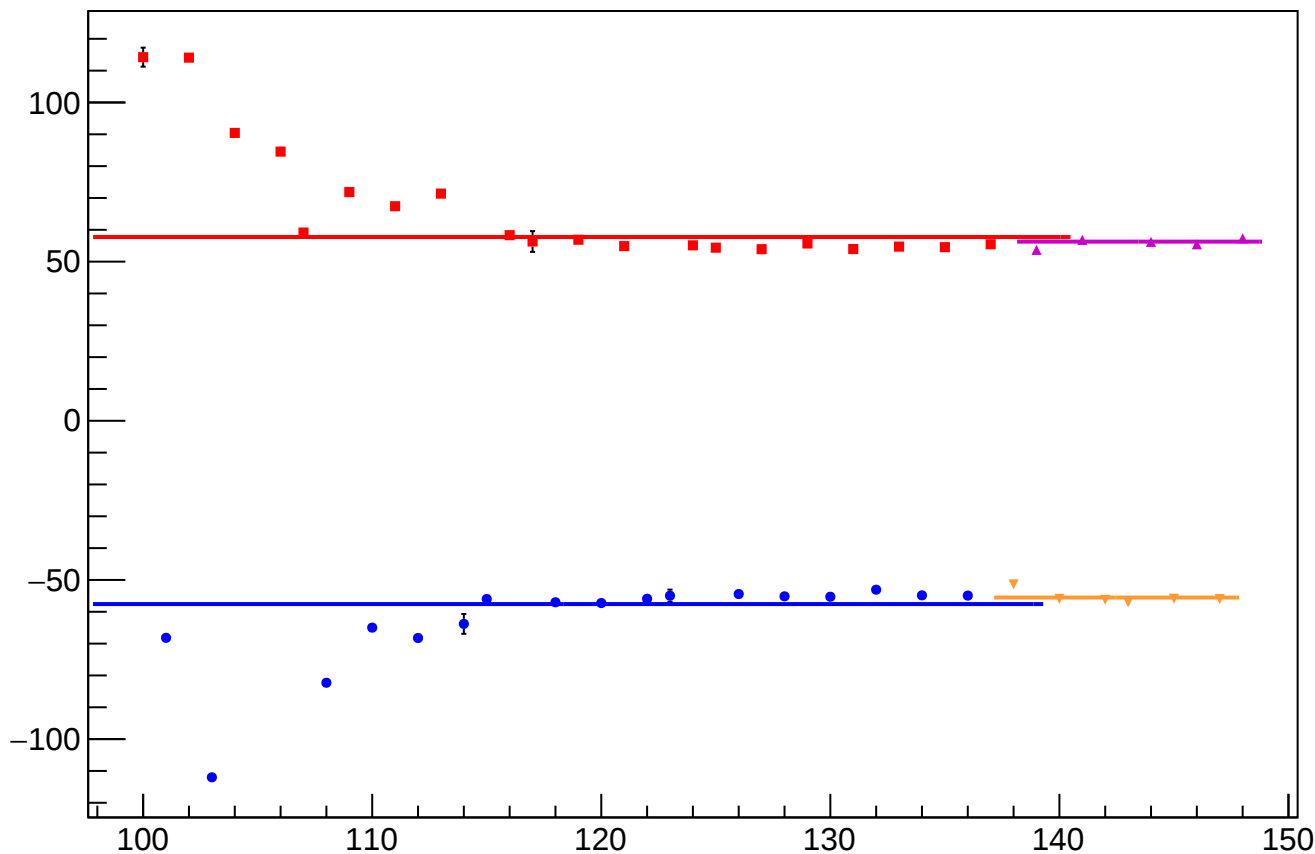
Left In: 5.462 $\pm$ 0.164 χ^2 /NDF: 95.2/4

-6.735 $\pm$ 0.151 χ^2 /NDF: 143.9/5

-1.129 $\pm$ 0.111 χ^2 /NDF: 3224.6/10

5.462 $\pm$ 0.164 χ^2 /NDF: 95.2/4

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -55.531 ± 0.121 χ^2/NDF : 201.1/5

Right Out: 57.730 ± 0.143 χ^2/NDF : 4698.7/19

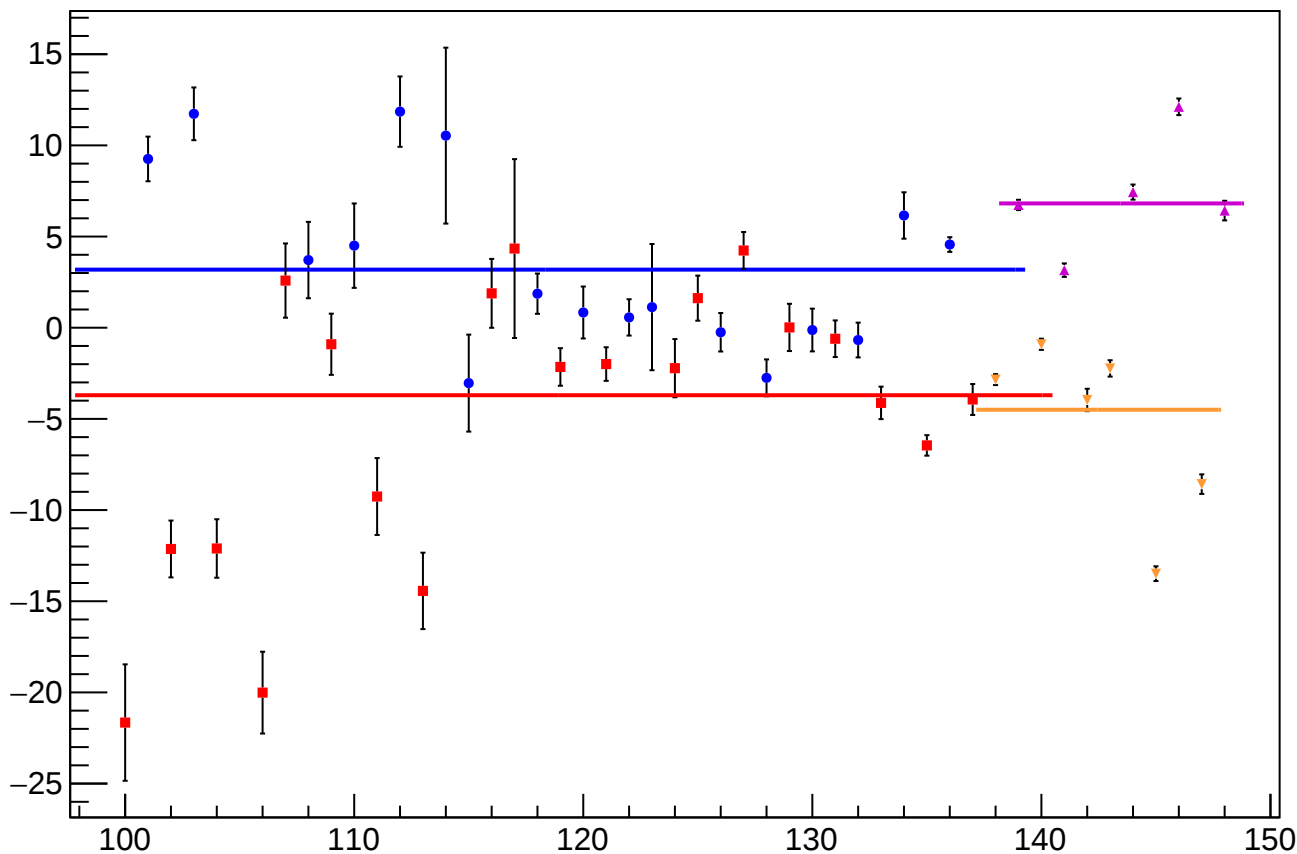
Left In: 56.284 ± 0.134 χ^2/NDF : 56.5/4

-56.383 ± 0.092 χ^2/NDF : 3776.5/22

-2.890 ± 0.067 χ^2/NDF : 721389.1/47

56.958 ± 0.098 χ^2/NDF : 4809.9/24

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -4.499 ± 0.160 χ^2/NDF : 745.2/5

Right Out: -3.702 ± 0.267 χ^2/NDF : 326.8/19

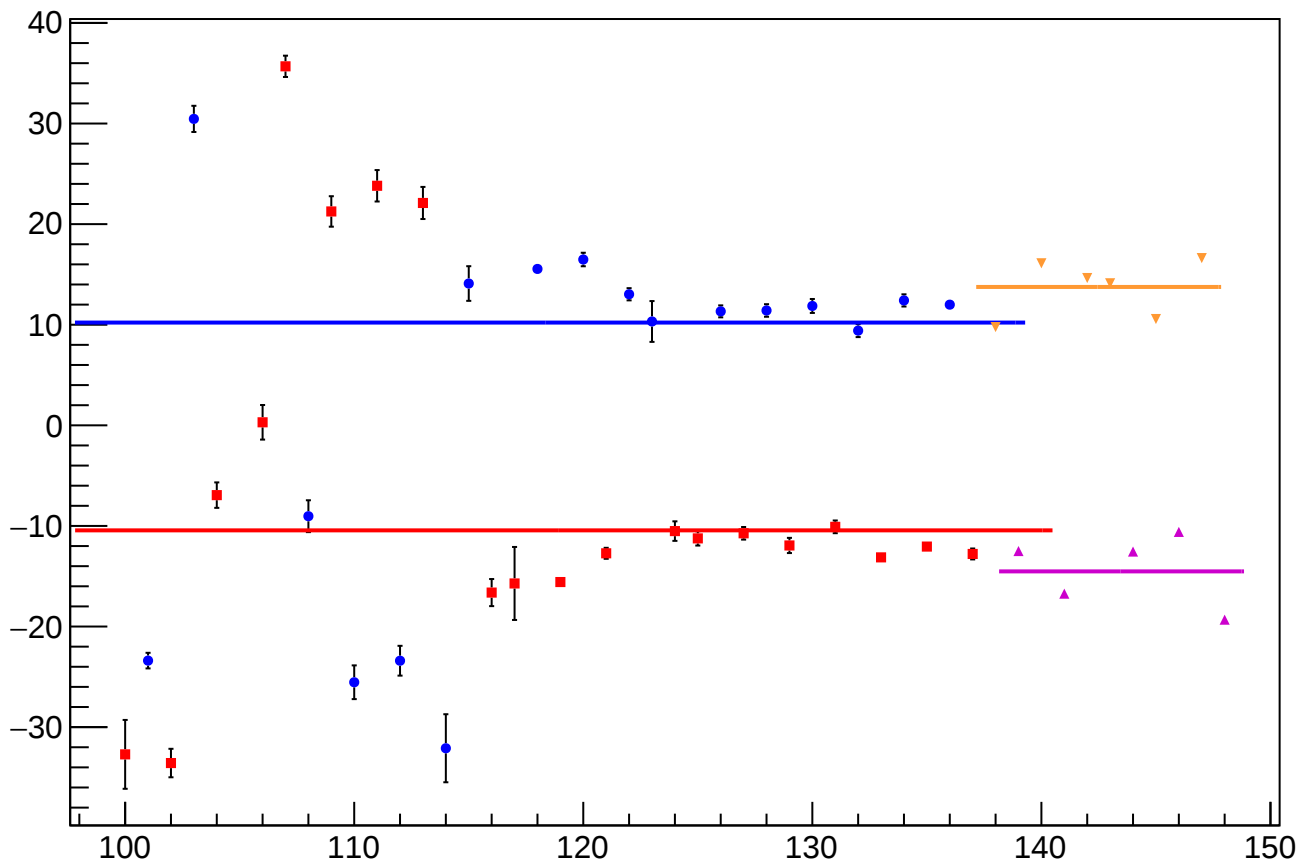
Left In: 6.816 ± 0.172 χ^2/NDF : 236.0/4

-2.370 ± 0.136 χ^2/NDF : 1567.4/22

0.510 ± 0.099 χ^2/NDF : 4174.8/47

3.742 ± 0.144 χ^2/NDF : 1660.1/24

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: -10.440 $\pm$ 0.160 χ^2/NDF : 3829.1/19

Right Out: 13.756 $\pm$ 0.145 χ^2/NDF : 332.3/5

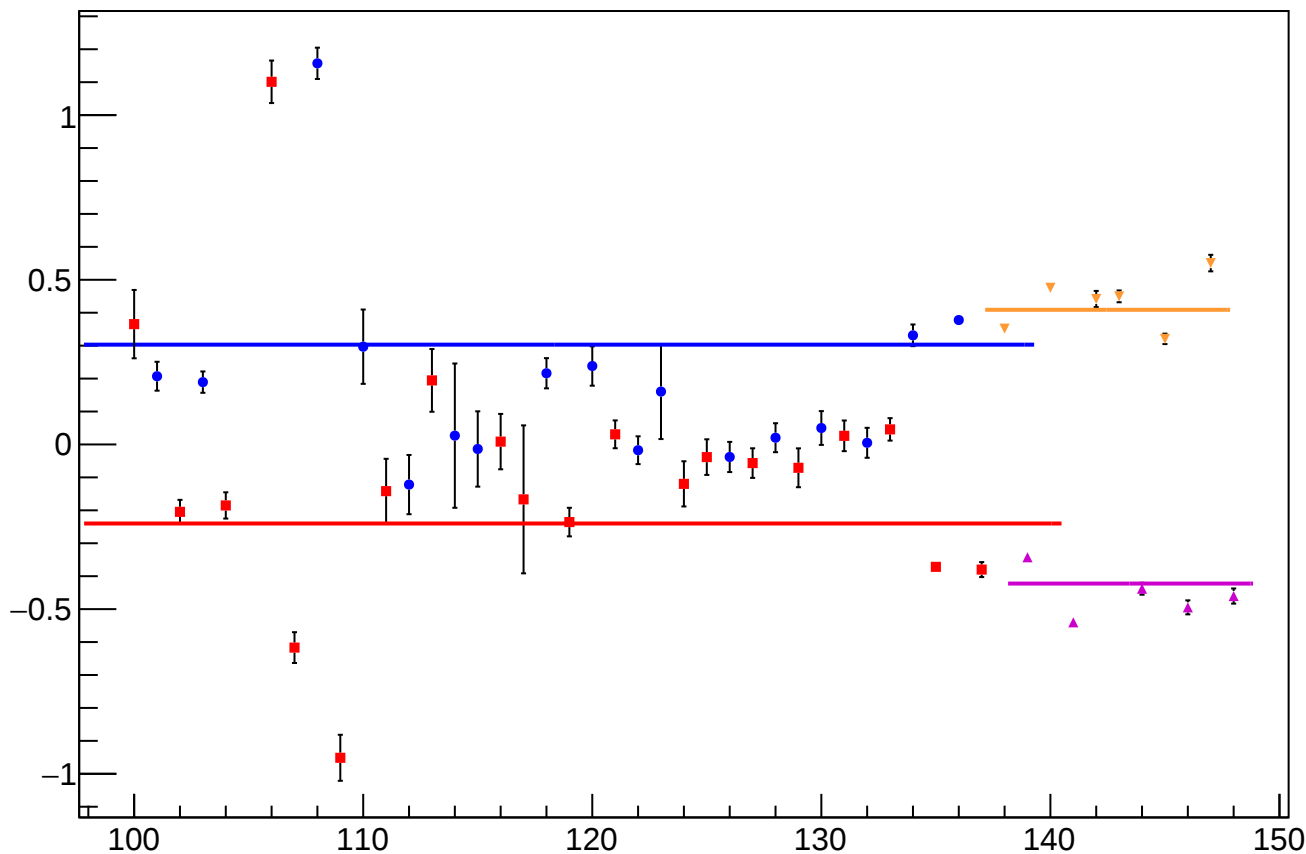
Left In: -14.519 $\pm$ 0.161 χ^2/NDF : 366.0/4

12.141 $\pm$ 0.107 χ^2/NDF : 4297.8/22

0.575 $\pm$ 0.078 χ^2/NDF : 33792.6/47

-12.468 $\pm$ 0.113 χ^2/NDF : 4518.7/24

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.409 ± 0.007 χ^2/NDF : 119.8/5

Right Out: -0.240 ± 0.009 χ^2/NDF : 984.5/19

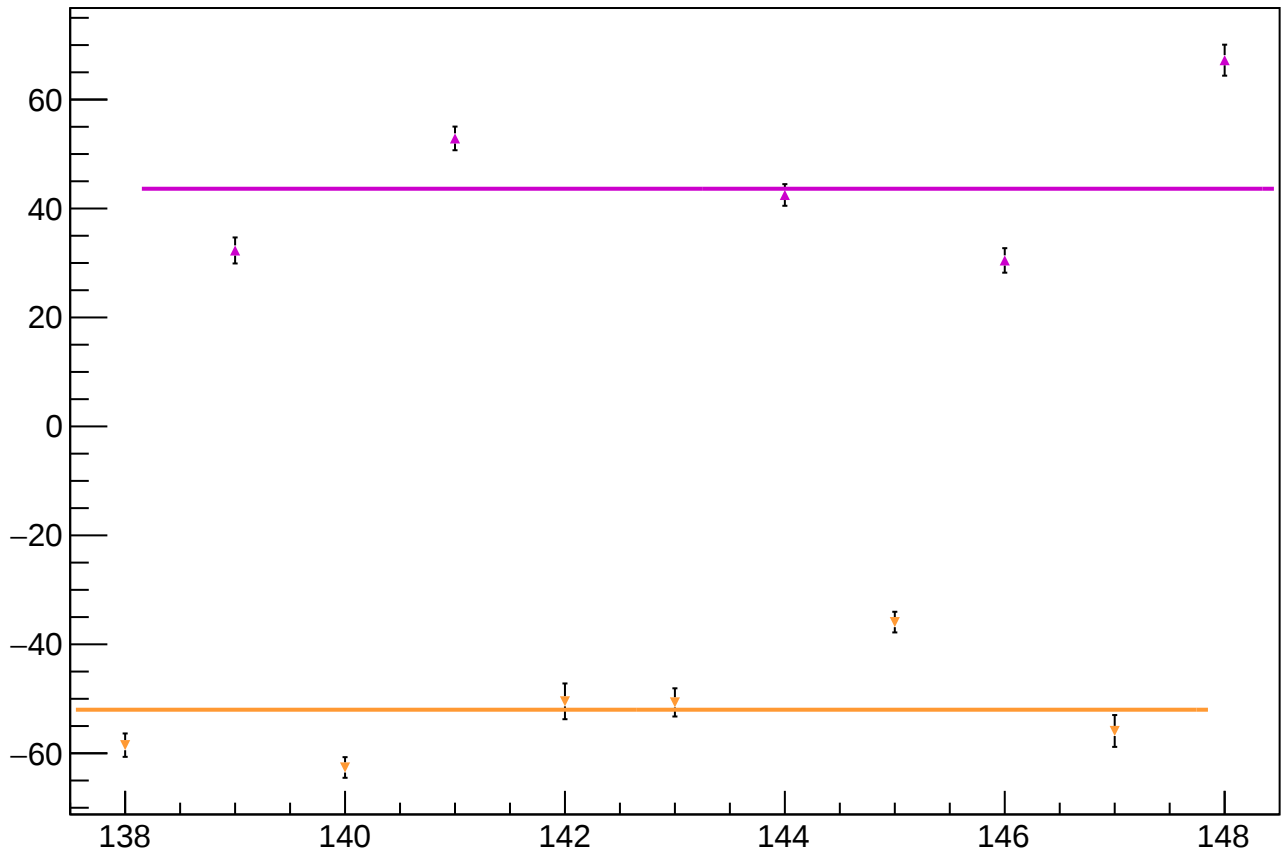
Left In: -0.422 ± 0.007 χ^2/NDF : 142.5/4

0.368 ± 0.005 χ^2/NDF : 868.0/22

0.021 ± 0.004 χ^2/NDF : 11844.7/47

-0.352 ± 0.005 χ^2/NDF : 1407.9/24

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -52.003+/-0.940 χ^2/NDF : 114.7/5

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

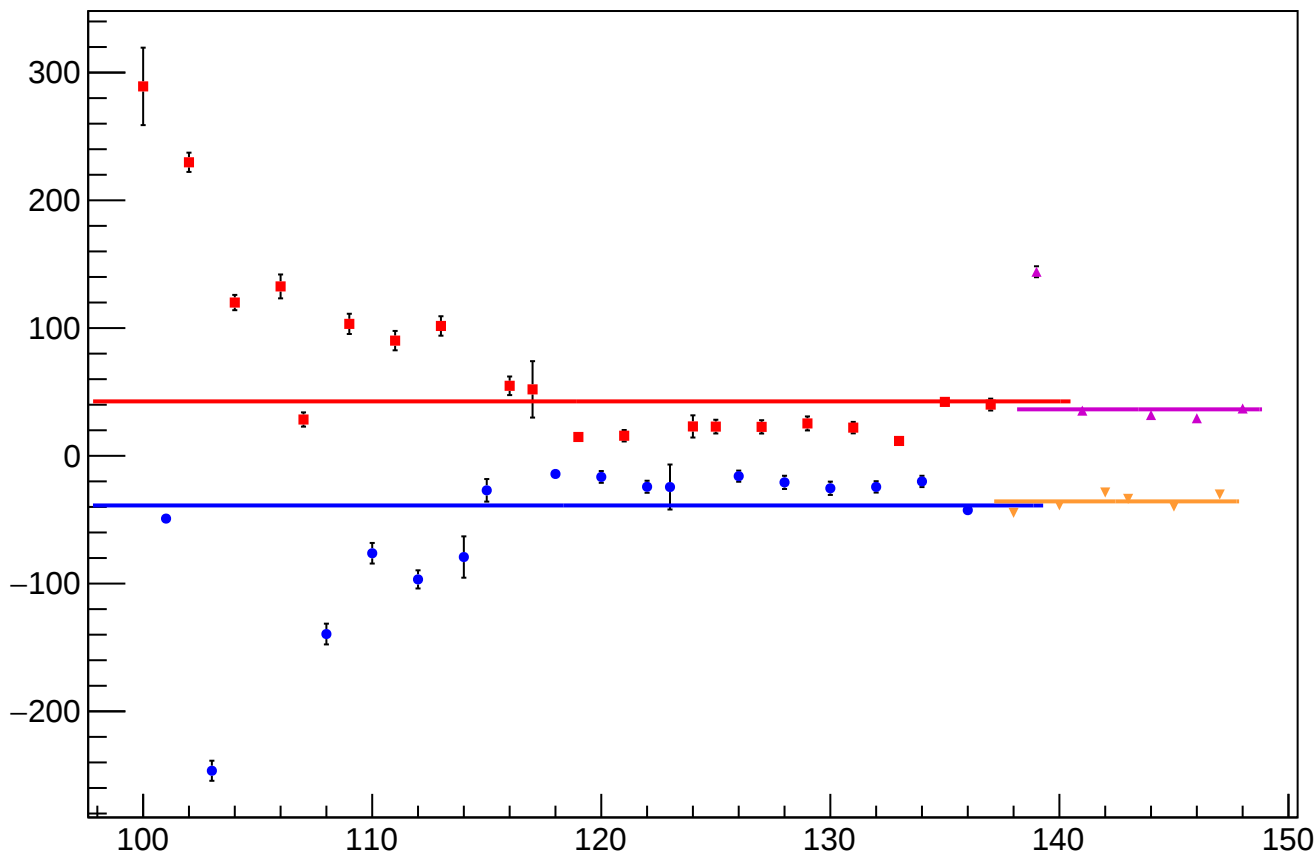
Left In: 43.628+/-1.020 χ^2/NDF : 143.9/4

-52.003+/-0.940 χ^2/NDF : 114.7/5

-8.085+/-0.691 χ^2/NDF : 5014.8/10

43.628+/-1.020 χ^2/NDF : 143.9/4

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -35.665 ± 0.684 χ^2/NDF : 56.8/5

Right Out: 42.614 ± 1.208 χ^2/NDF : 1345.9/19

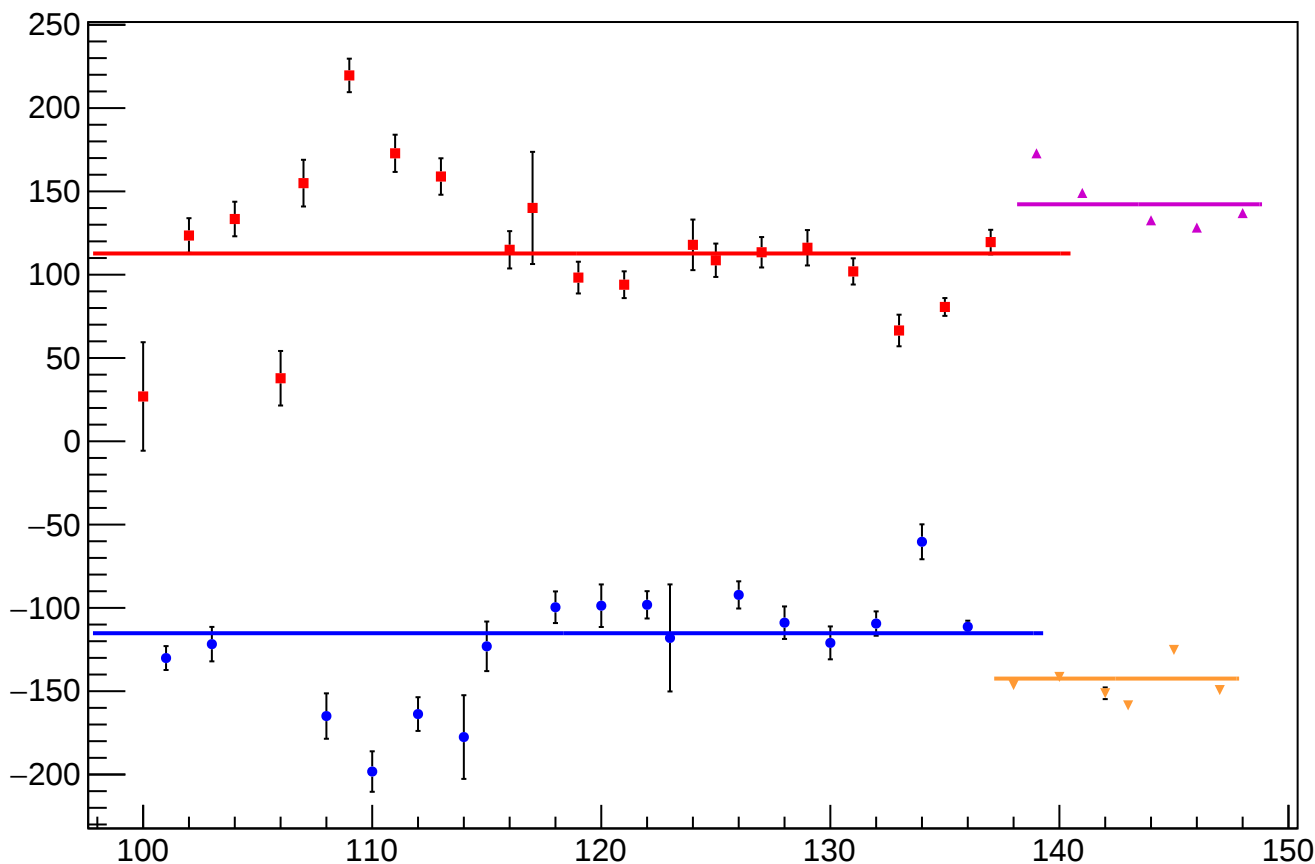
Left In: 36.379 ± 0.706 χ^2/NDF : 668.5/4

-36.498 ± 0.588 χ^2/NDF : 1184.4/22

-0.630 ± 0.423 χ^2/NDF : 10954.0/47

37.966 ± 0.610 χ^2/NDF : 2034.2/24

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -142.428 ± 0.989 $\chi^2/\text{NDF}: 122.3/5$

Right Out: 112.729 ± 2.205 $\chi^2/\text{NDF}: 273.1/19$

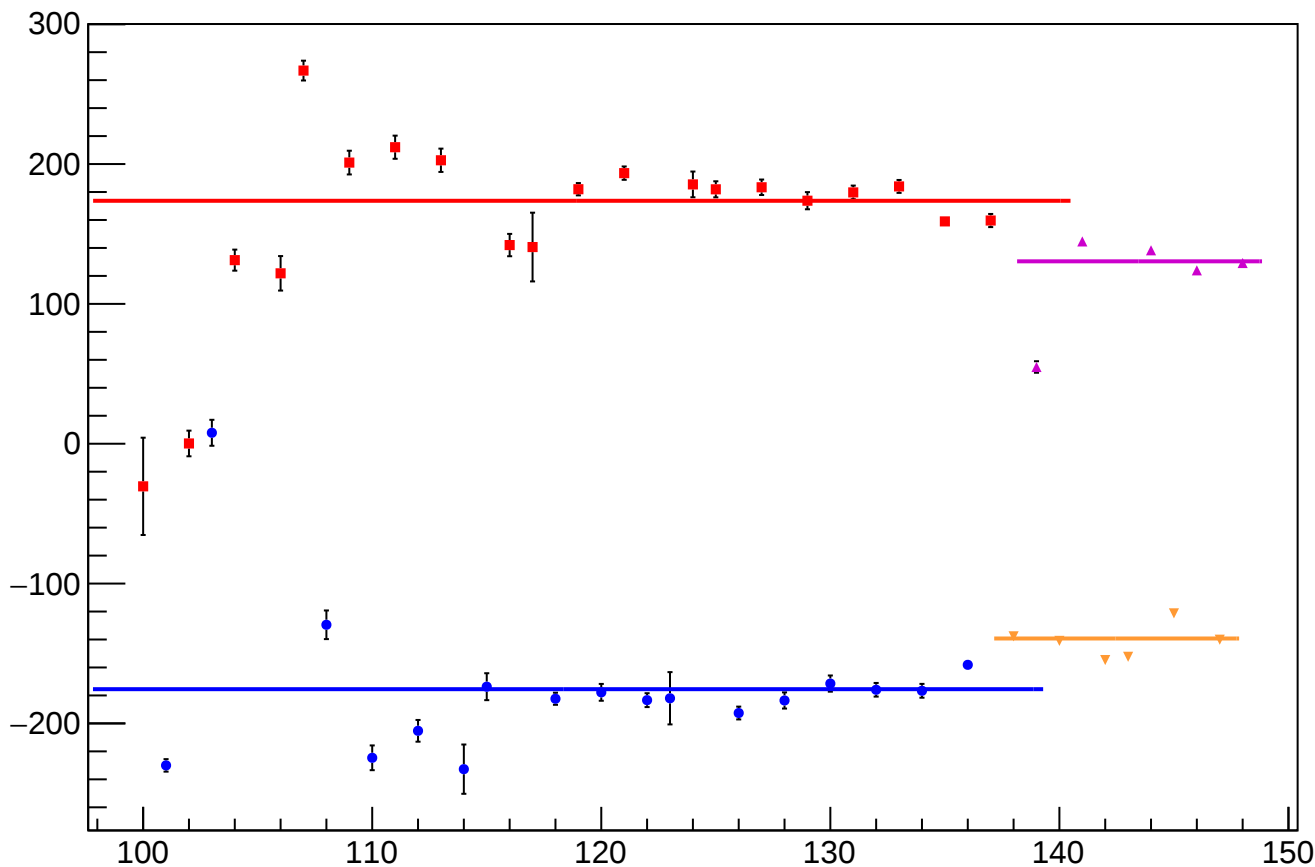
Left In: 142.250 ± 1.047 $\chi^2/\text{NDF}: 214.8/4$

-137.411 ± 0.893 $\chi^2/\text{NDF}: 402.6/22$

-8.041 ± 0.649 $\chi^2/\text{NDF}: 45479.3/47$

136.821 ± 0.945 $\chi^2/\text{NDF}: 634.2/24$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -139.275 ± 0.837 χ^2/NDF : 180.4/5

Right Out: 173.729 ± 1.354 χ^2/NDF : 739.7/19

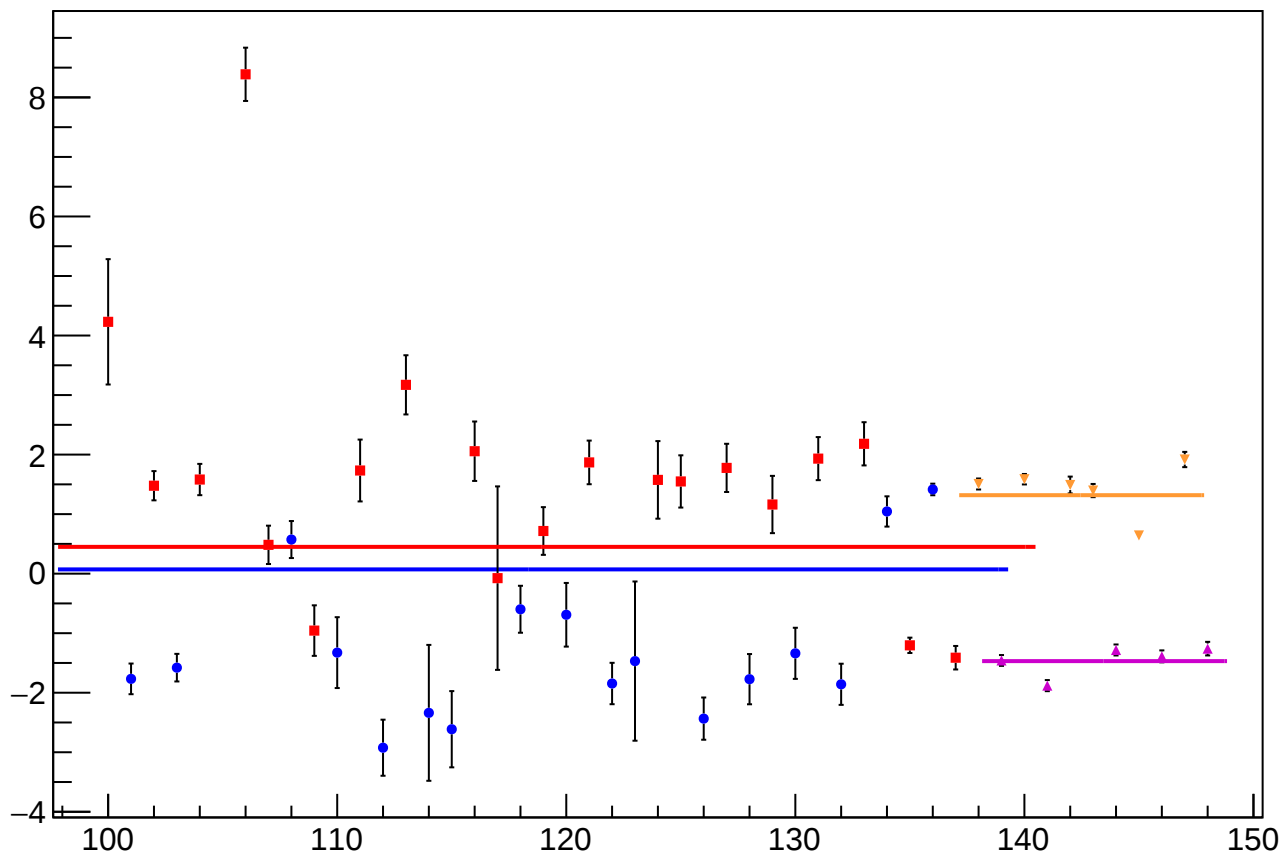
Left In: 130.433 ± 0.878 χ^2/NDF : 430.8/4

-150.163 ± 0.700 χ^2/NDF : 1436.2/22

-11.021 ± 0.508 χ^2/NDF : 86653.9/47

143.253 ± 0.737 χ^2/NDF : 1889.8/24

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.318 ± 0.041 χ^2/NDF : 110.4/5

Right Out: 0.450 ± 0.071 χ^2/NDF : 751.4/19

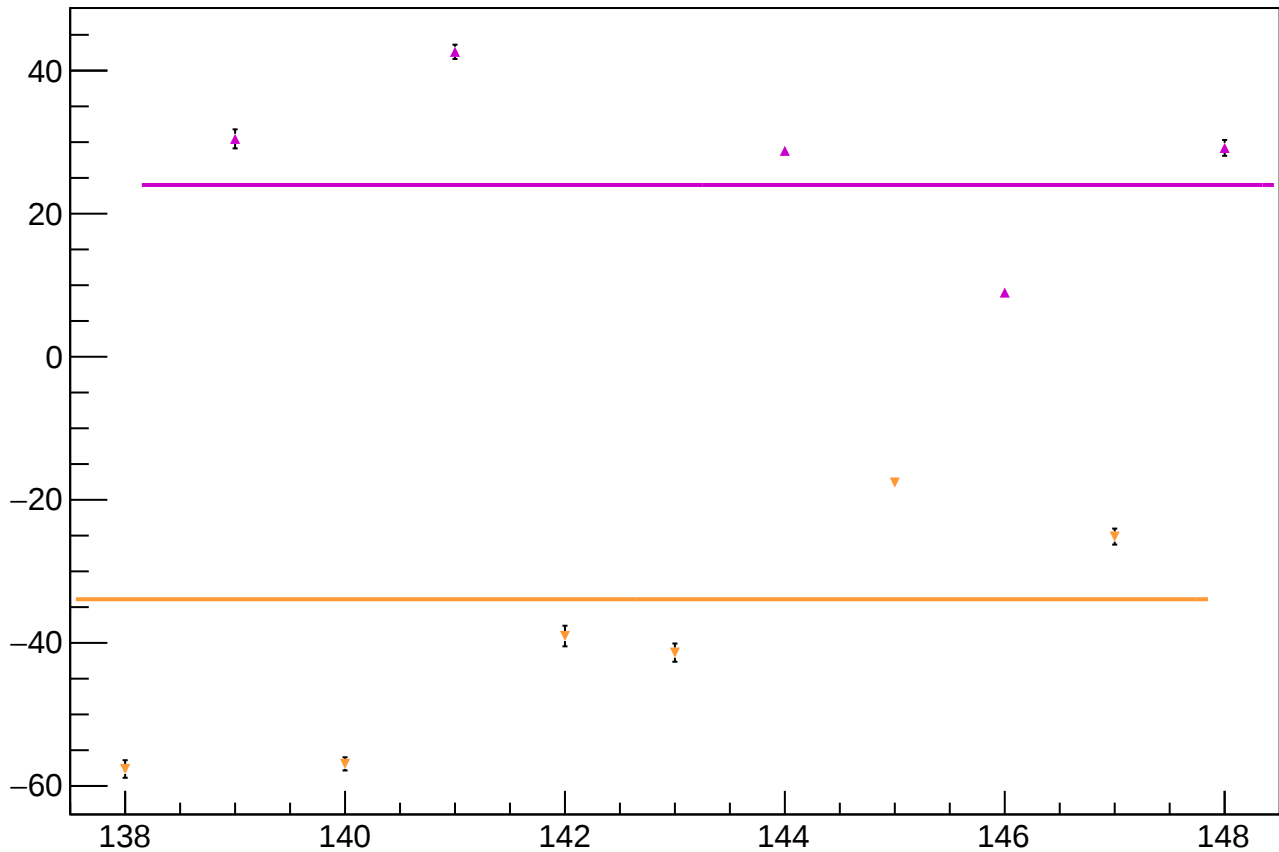
Left In: -1.469 ± 0.043 χ^2/NDF : 27.6/4

0.981 ± 0.035 χ^2/NDF : 887.1/22

0.075 ± 0.025 χ^2/NDF : 3629.1/47

-0.948 ± 0.037 χ^2/NDF : 1307.7/24

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -33.898+/-0.397 χ^2/NDF : 1801.2/5

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

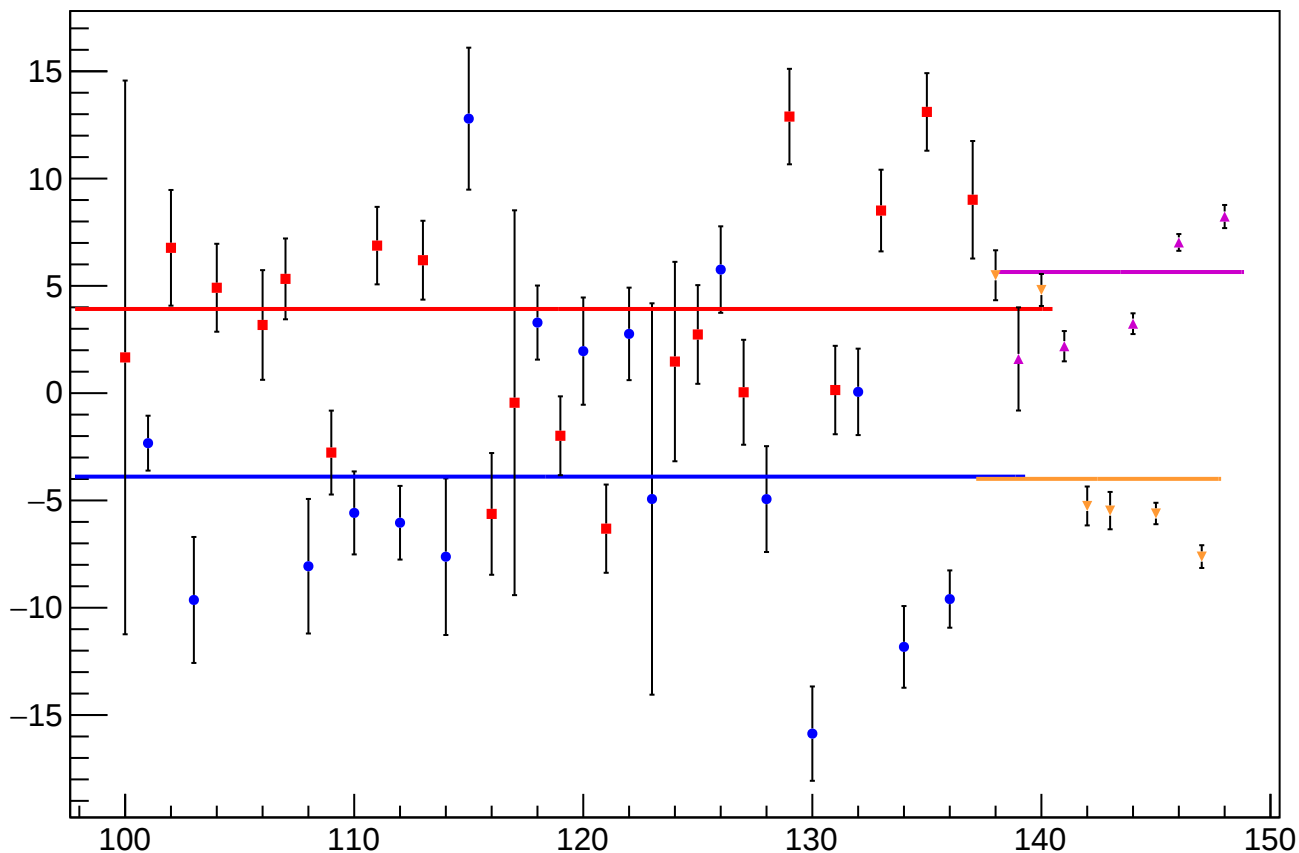
Left In: 24.012+/-0.378 χ^2/NDF : 996.9/4

-33.898+/-0.397 χ^2/NDF : 1801.2/5

-3.541+/-0.274 χ^2/NDF : 13971.7/10

24.012+/-0.378 χ^2/NDF : 996.9/4

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -3.994 ± 0.281 $\chi^2/\text{NDF}: 267.8/5$

Right Out: 3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

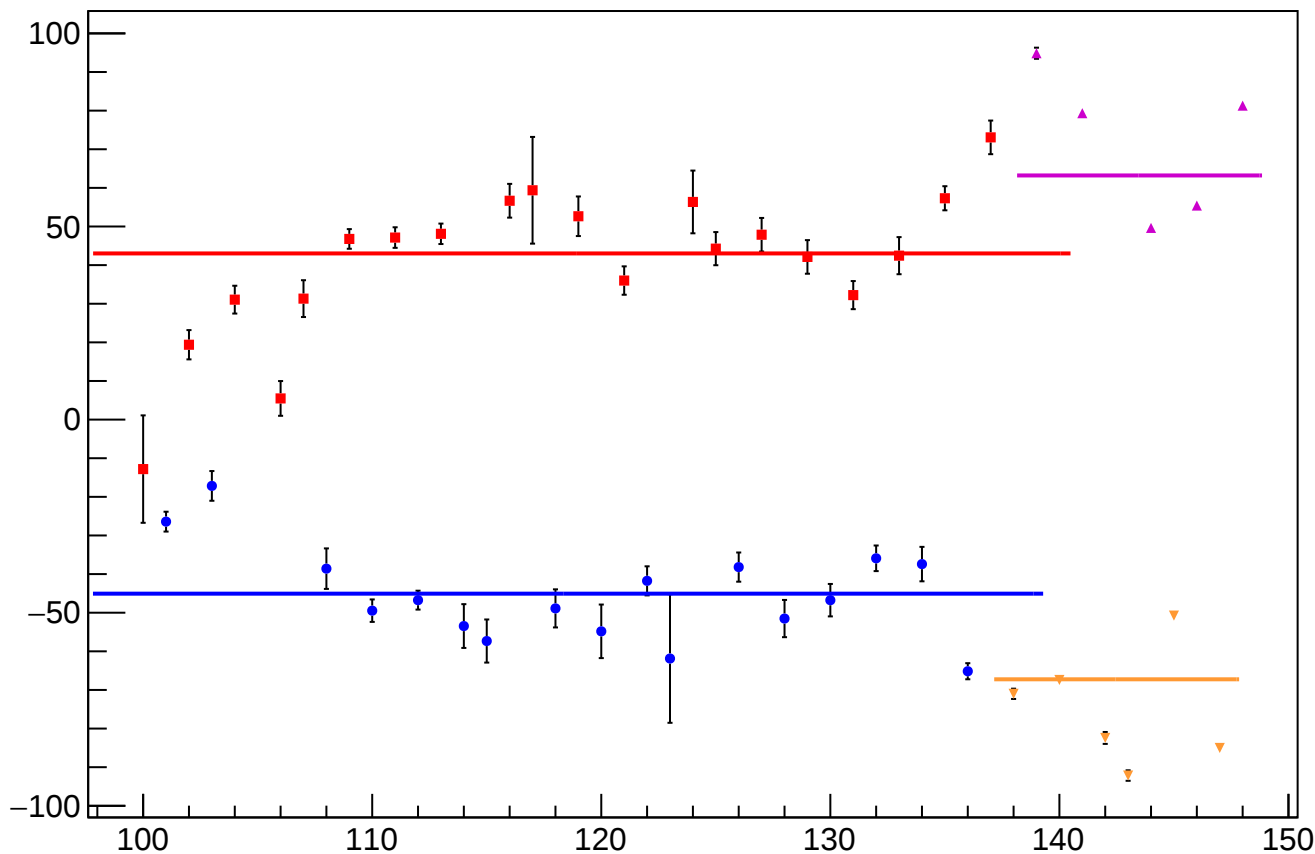
Left In: 5.645 ± 0.247 $\chi^2/\text{NDF}: 87.1/4$

-3.969 ± 0.245 $\chi^2/\text{NDF}: 428.3/22$

1.136 ± 0.164 $\chi^2/\text{NDF}: 1437.3/47$

5.315 ± 0.222 $\chi^2/\text{NDF}: 218.9/24$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -67.245 ± 0.415 χ^2/NDF : 1362.6/5

Right Out: 43.025 ± 0.876 χ^2/NDF : 249.7/19

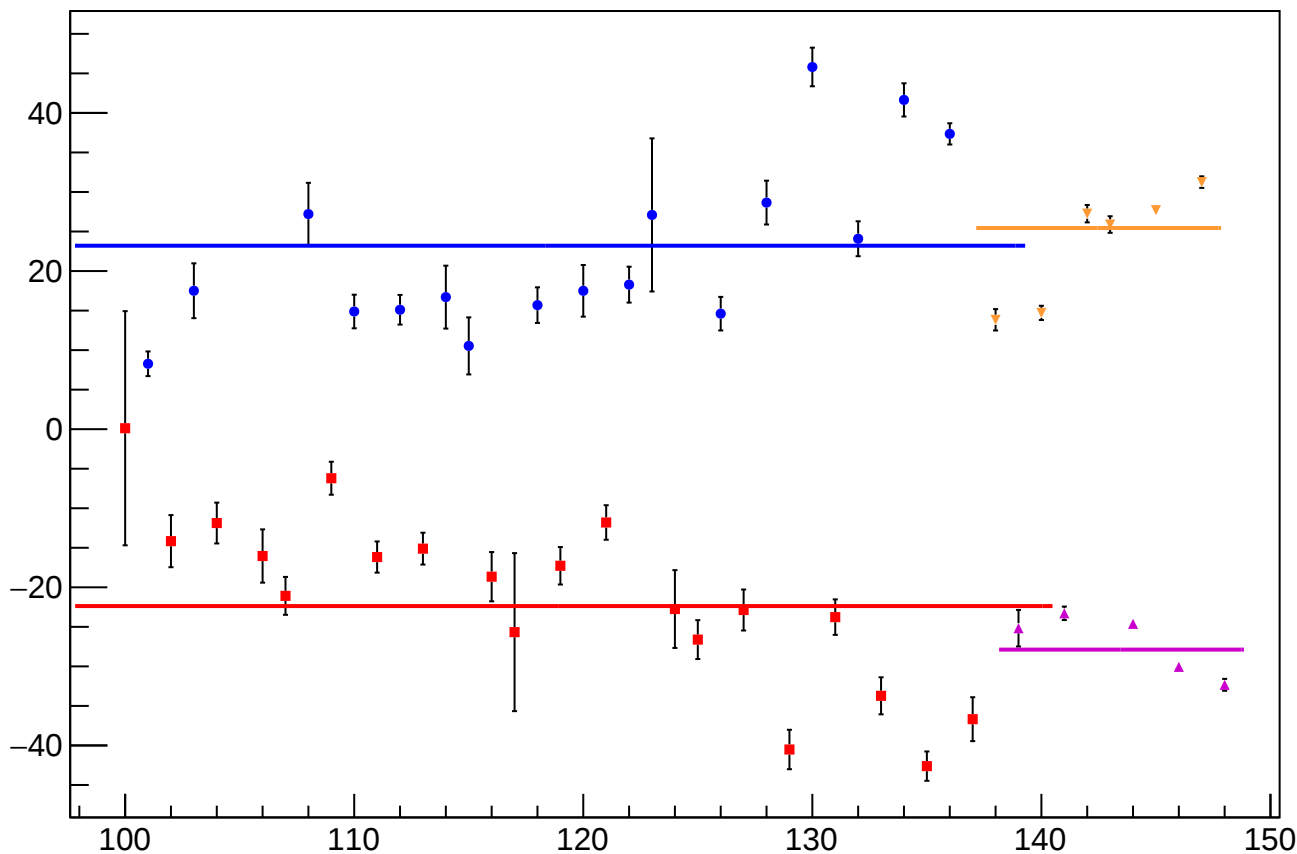
Left In: 63.217 ± 0.382 χ^2/NDF : 1526.2/4

-63.233 ± 0.376 χ^2/NDF : 2108.5/22

2.662 ± 0.256 χ^2/NDF : 61851.3/47

59.987 ± 0.350 χ^2/NDF : 2222.1/24

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 ± 0.559 $\chi^2/\text{NDF}: 457.3/16$

Left Out: 25.443 ± 0.345 $\chi^2/\text{NDF}: 296.3/5$

Right Out: -22.372 ± 0.572 $\chi^2/\text{NDF}: 367.0/19$

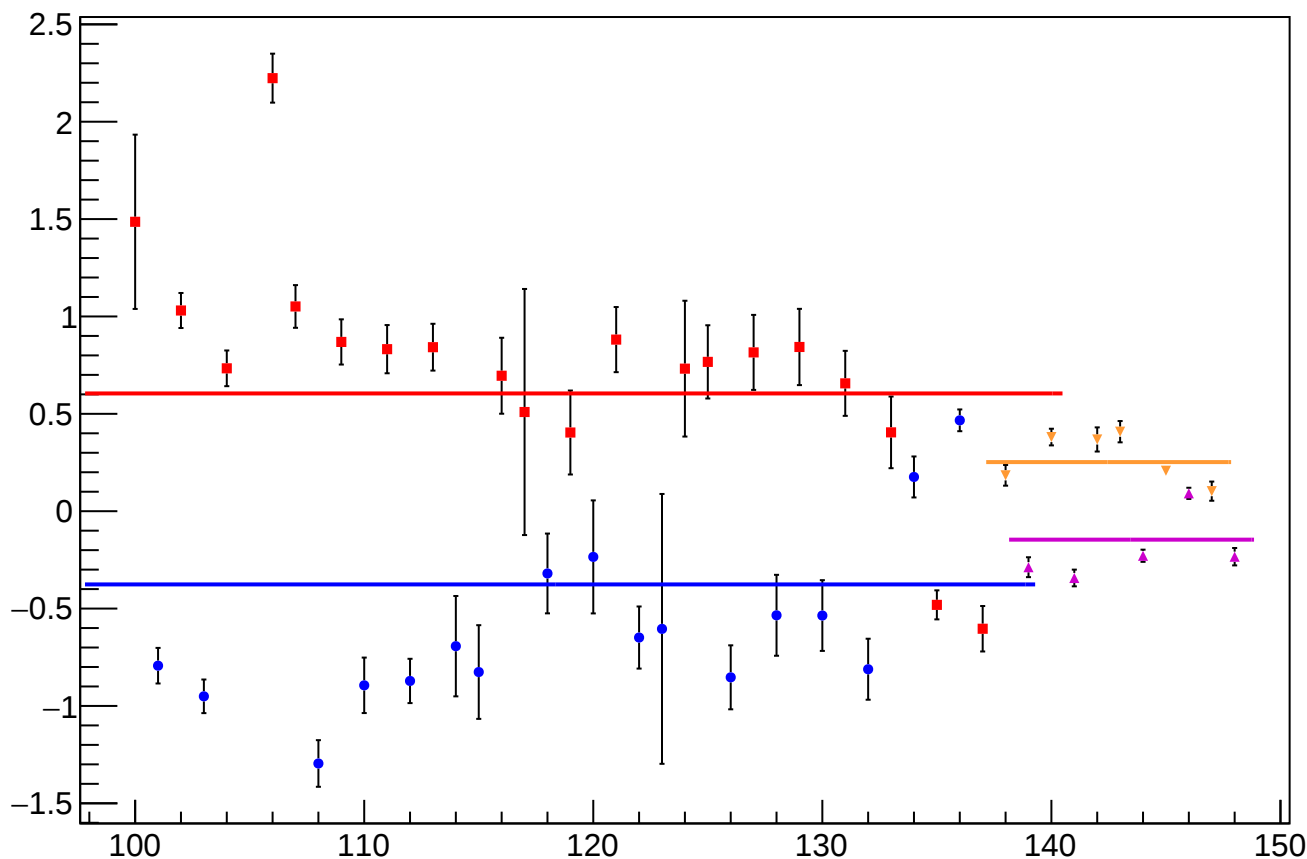
Left In: -27.878 ± 0.309 $\chi^2/\text{NDF}: 116.9/4$

24.825 ± 0.294 $\chi^2/\text{NDF}: 765.2/22$

-2.862 ± 0.200 $\chi^2/\text{NDF}: 17831.9/47$

-26.630 ± 0.272 $\chi^2/\text{NDF}: 555.7/24$

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.252 ± 0.017 $\chi^2/\text{NDF}: 34.5/5$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

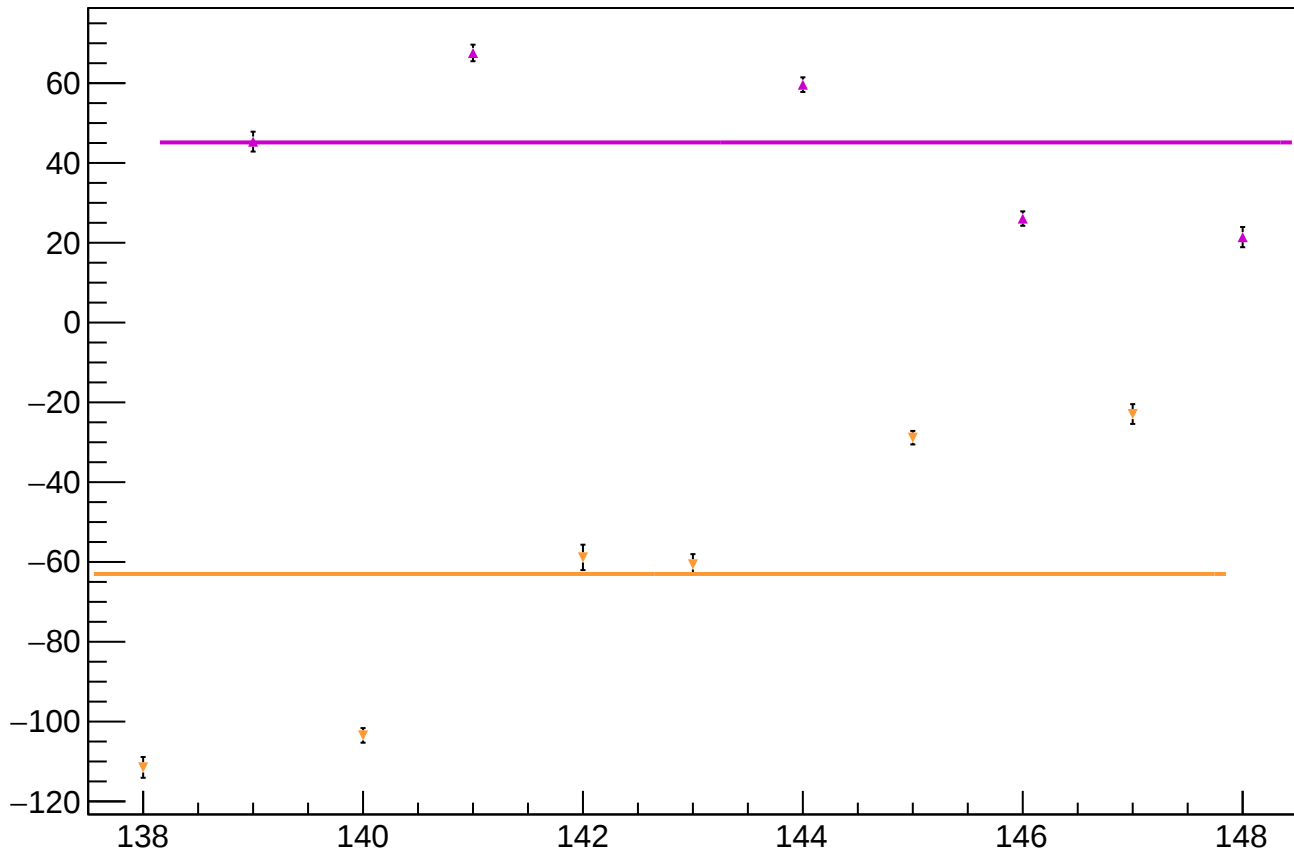
Left In: -0.146 ± 0.017 $\chi^2/\text{NDF}: 108.4/4$

0.099 ± 0.015 $\chi^2/\text{NDF}: 800.6/22$

0.062 ± 0.010 $\chi^2/\text{NDF}: 1948.2/47$

0.027 ± 0.014 $\chi^2/\text{NDF}: 1135.6/24$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -63.008+/-0.910 χ^2/NDF : 1504.2/5

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

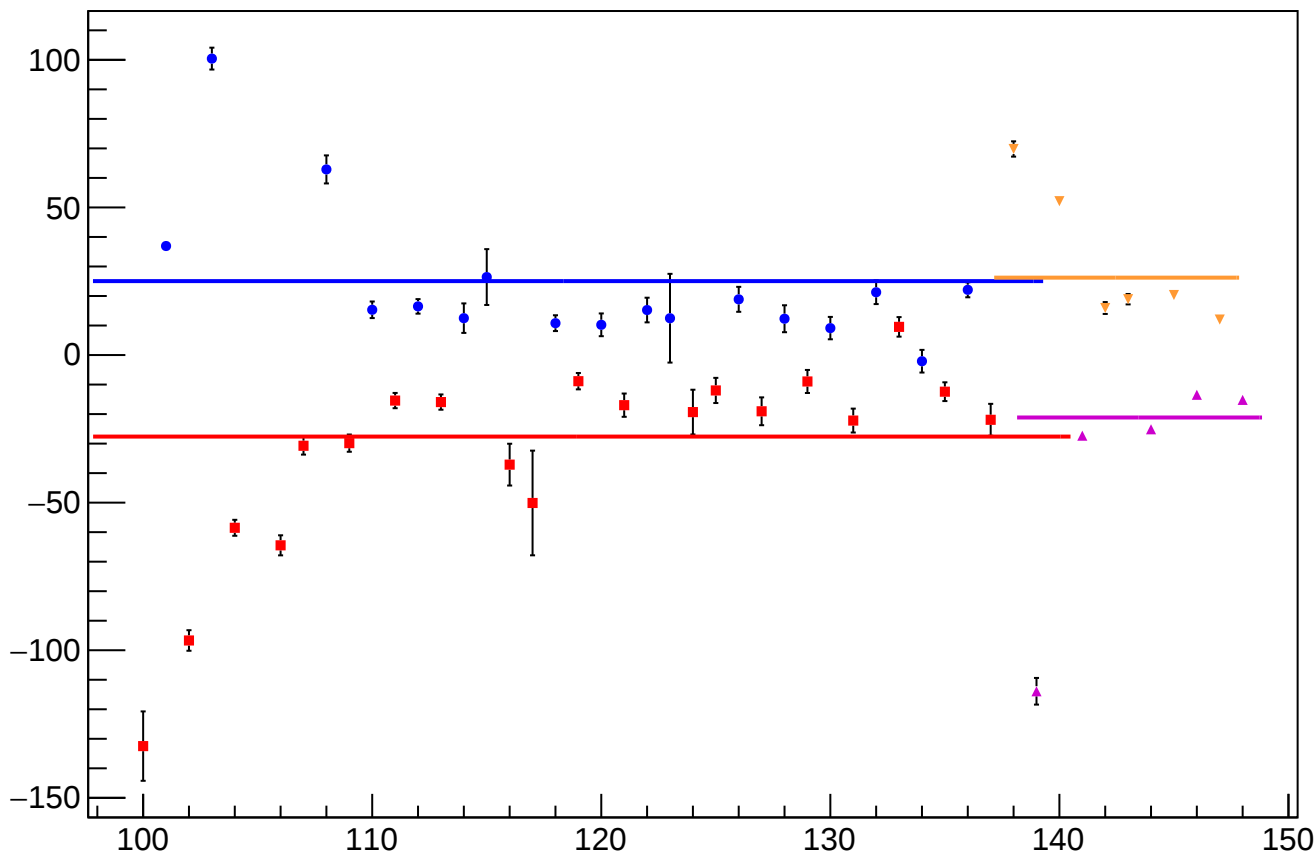
Left In: 45.145+/-0.932 χ^2/NDF : 377.8/4

-63.008+/-0.910 χ^2/NDF : 1504.2/5

-10.225+/-0.651 χ^2/NDF : 8771.0/10

45.145+/-0.932 χ^2/NDF : 377.8/4

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16

Left Out: 26.220 ± 0.647 χ^2/NDF : 785.6/5

Right Out: -27.620 ± 0.809 χ^2/NDF : 1014.4/19

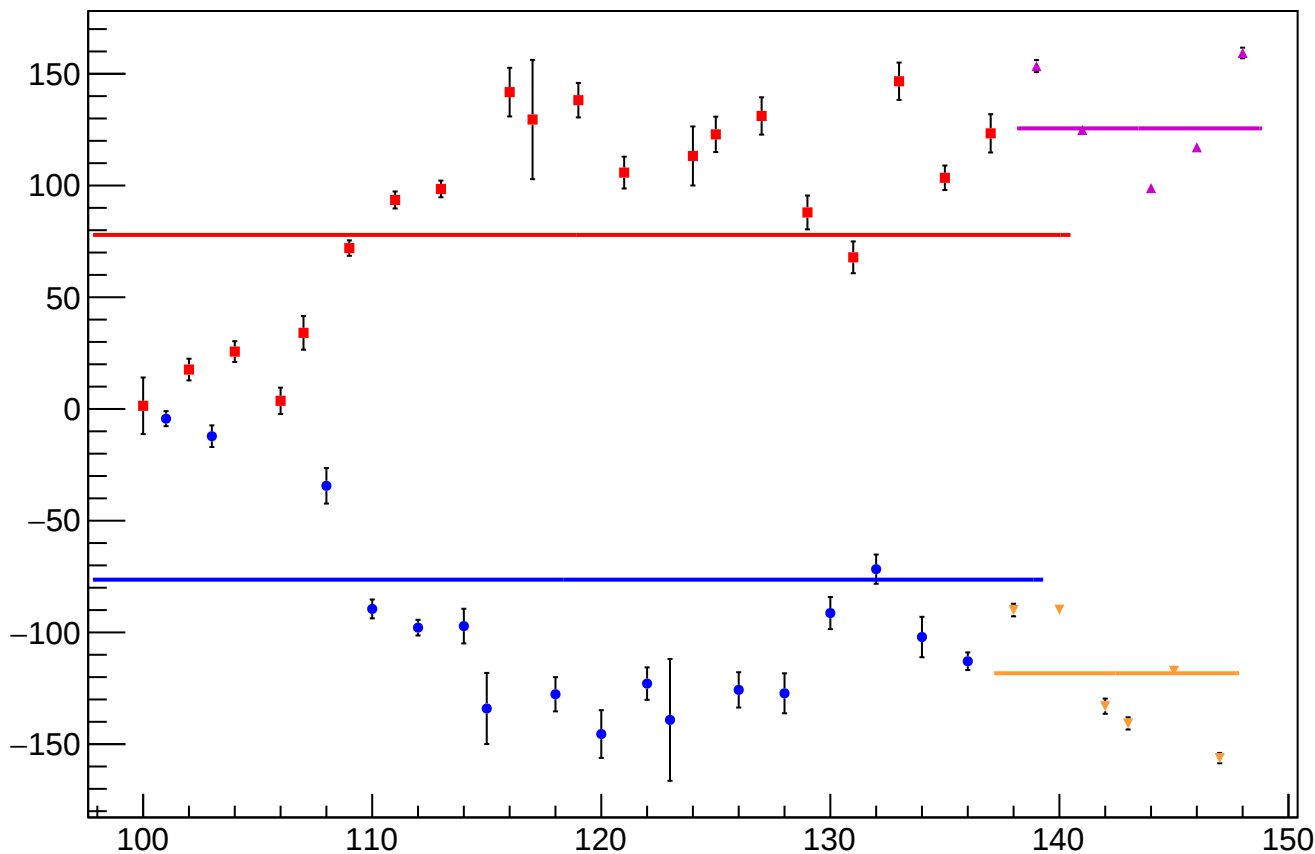
Left In: -21.157 ± 0.634 χ^2/NDF : 515.9/4

25.760 ± 0.505 χ^2/NDF : 1473.3/22

0.796 ± 0.355 χ^2/NDF : 7880.4/47

-23.618 ± 0.499 χ^2/NDF : 1569.8/24

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -118.274 ± 0.951 χ^2/NDF : 668.5/5

Right Out: 77.894 ± 1.351 χ^2/NDF : 876.4/19

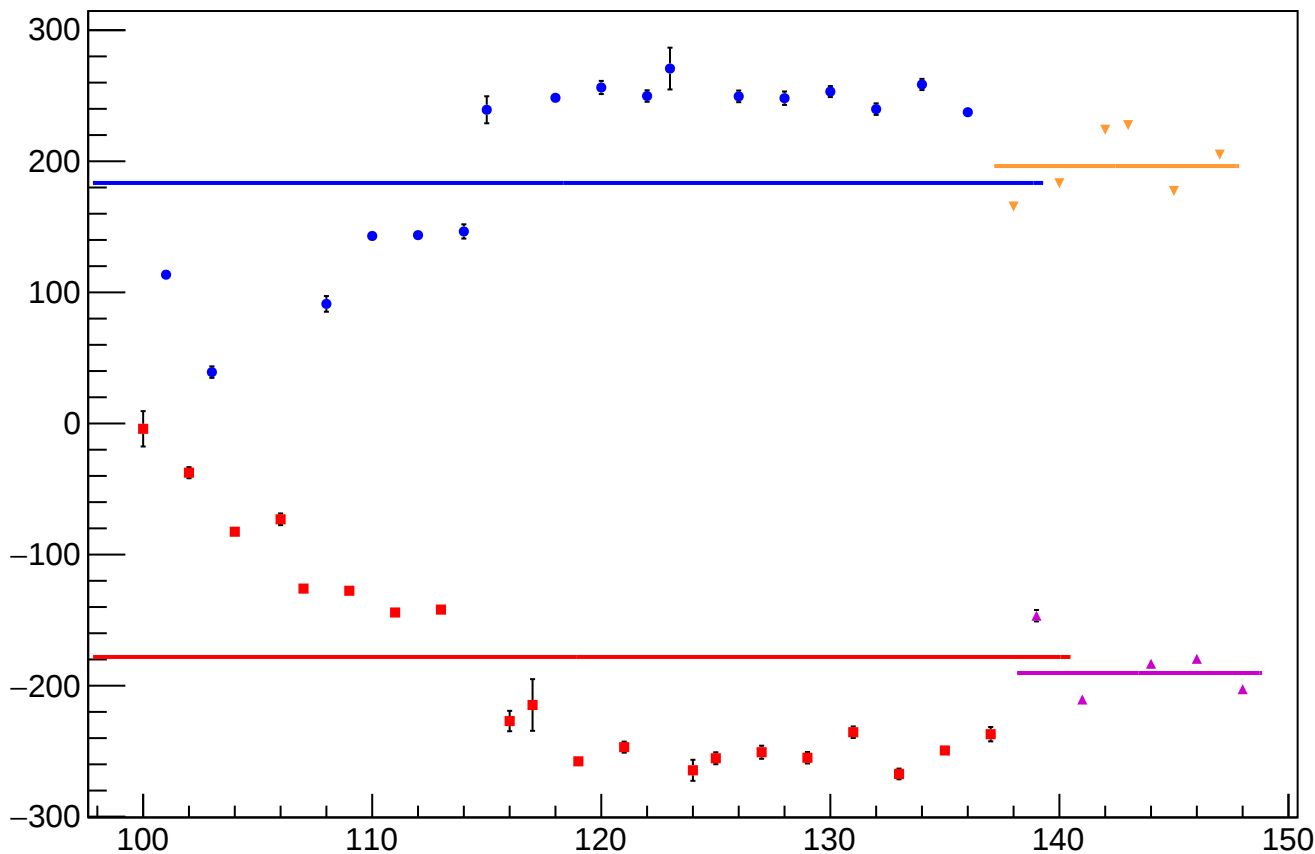
Left In: 125.574 ± 0.950 χ^2/NDF : 517.0/4

-105.258 ± 0.790 χ^2/NDF : 2303.2/22

4.001 ± 0.554 χ^2/NDF : 42227.7/47

109.807 ± 0.777 χ^2/NDF : 2226.9/24

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 +/- 0.919 χ^2/NDF : 5331.4/16

Left Out: 196.367 +/- 0.796 χ^2/NDF : 676.1/5

Right Out: -178.092 +/- 0.923 χ^2/NDF : 6349.2/19

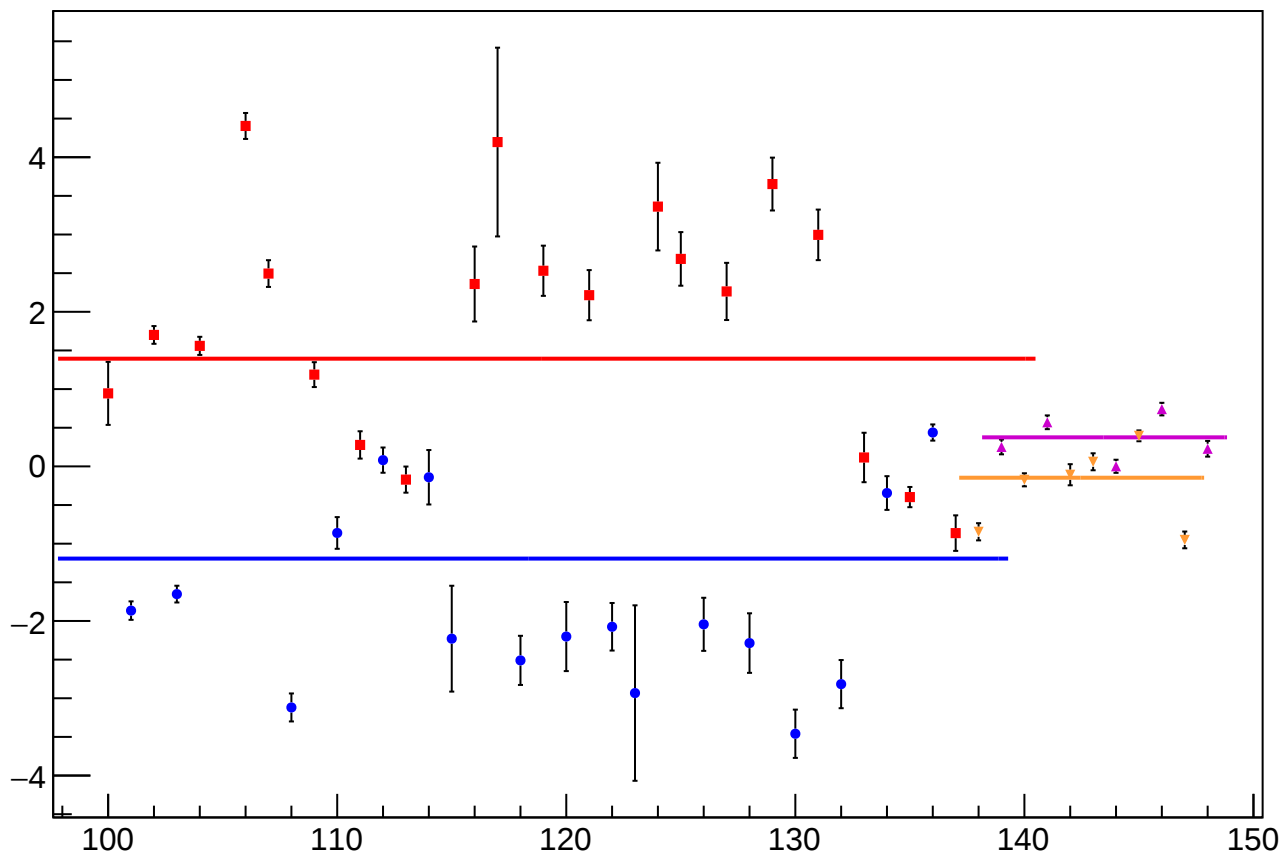
Left In: -190.324 +/- 0.790 χ^2/NDF : 359.4/4

190.836 +/- 0.602 χ^2/NDF : 6119.8/22

2.267 +/- 0.425 χ^2/NDF : 208713.4/47

-185.155 +/- 0.600 χ^2/NDF : 6810.0/24

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.147 ± 0.039 χ^2/NDF : 157.7/5

Right Out: 1.393 ± 0.046 χ^2/NDF : 925.8/19

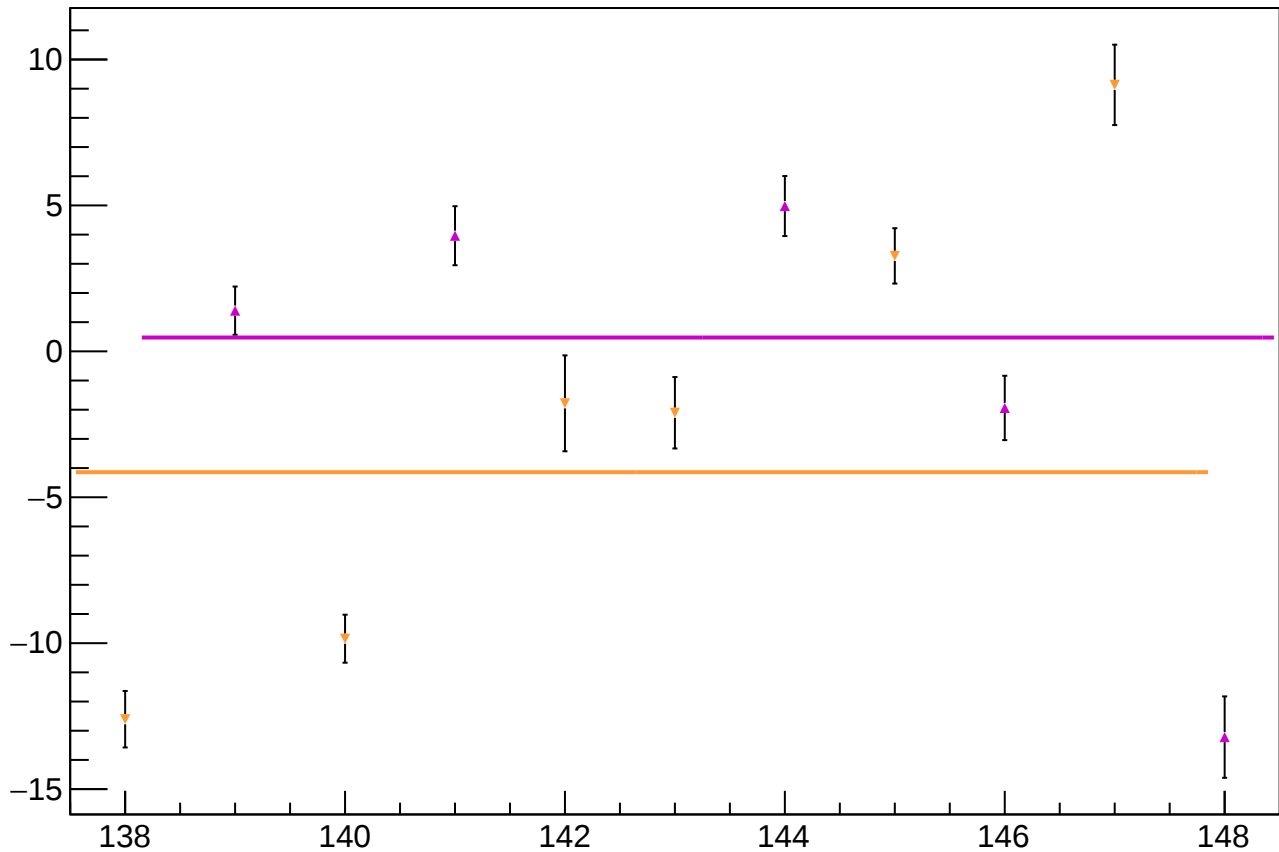
Left In: 0.376 ± 0.040 χ^2/NDF : 48.1/4

-0.566 ± 0.031 χ^2/NDF : 1062.0/22

0.133 ± 0.021 χ^2/NDF : 3355.6/47

0.818 ± 0.030 χ^2/NDF : 1253.3/24

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -4.140+/-0.438 χ^2/NDF : 283.3/5

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

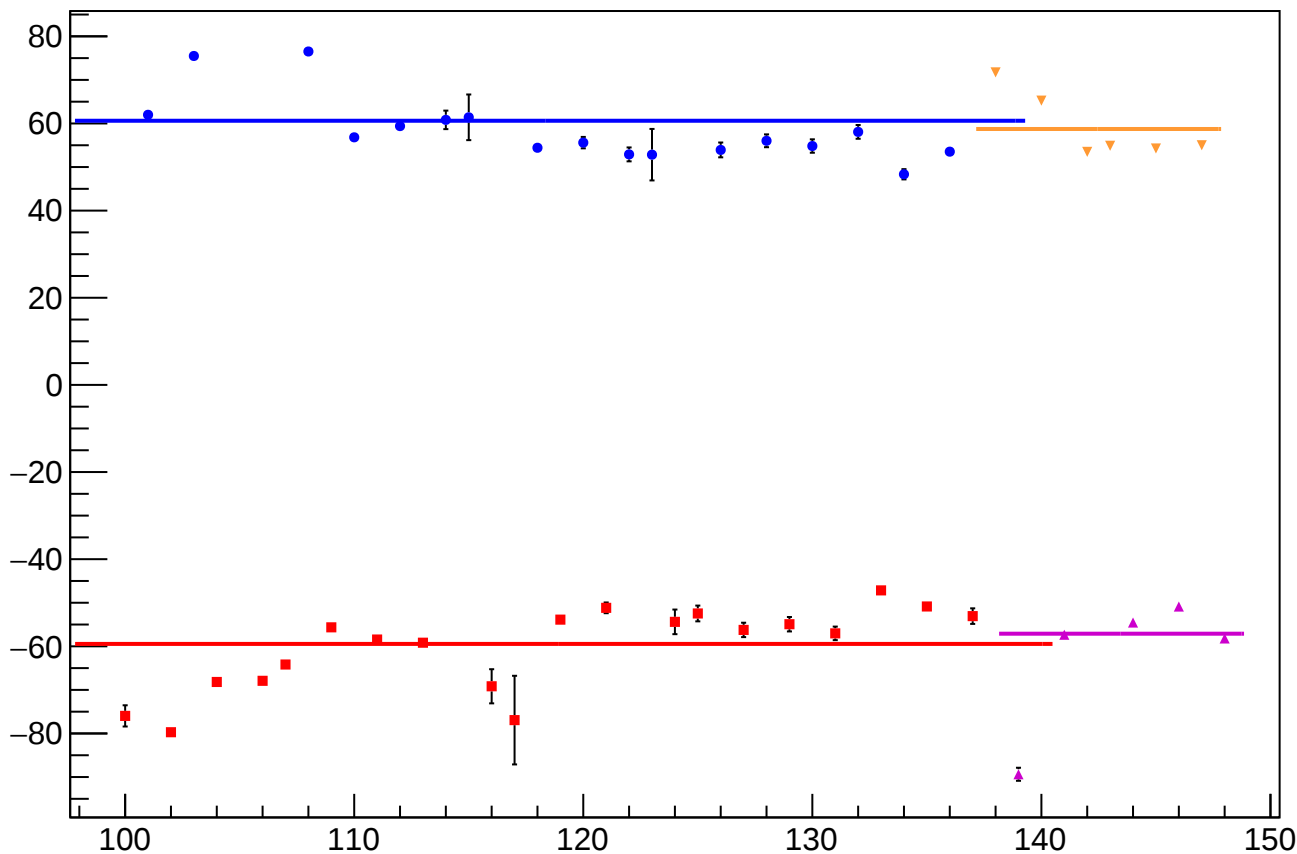
Left In: 0.473+/-0.460 χ^2/NDF : 133.5/4

-4.140+/-0.438 χ^2/NDF : 283.3/5

-1.949+/-0.317 χ^2/NDF : 469.7/10

0.473+/-0.460 χ^2/NDF : 133.5/4

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 ± 0.263 $\chi^2/\text{NDF}: 924.6/16$

Left Out: 58.734 ± 0.329 $\chi^2/\text{NDF}: 355.2/5$

Right Out: -59.448 ± 0.248 $\chi^2/\text{NDF}: 1326.3/19$

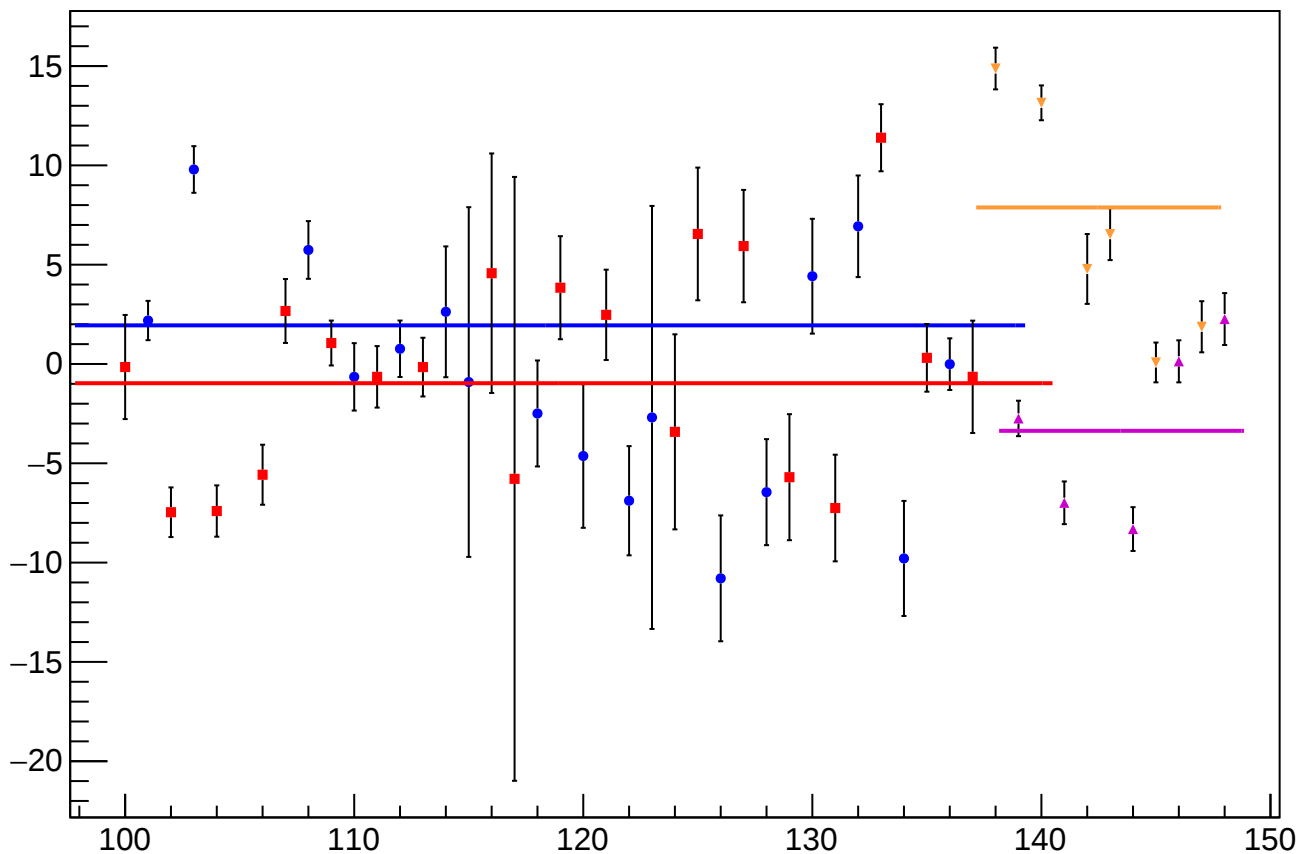
Left In: -57.103 ± 0.348 $\chi^2/\text{NDF}: 555.8/4$

59.889 ± 0.206 $\chi^2/\text{NDF}: 1299.9/22$

-0.450 ± 0.144 $\chi^2/\text{NDF}: 172553.4/47$

-58.660 ± 0.202 $\chi^2/\text{NDF}: 1912.2/24$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 7.881 ± 0.460 χ^2/NDF : 167.2/5

Right Out: -0.968 ± 0.424 χ^2/NDF : 149.6/19

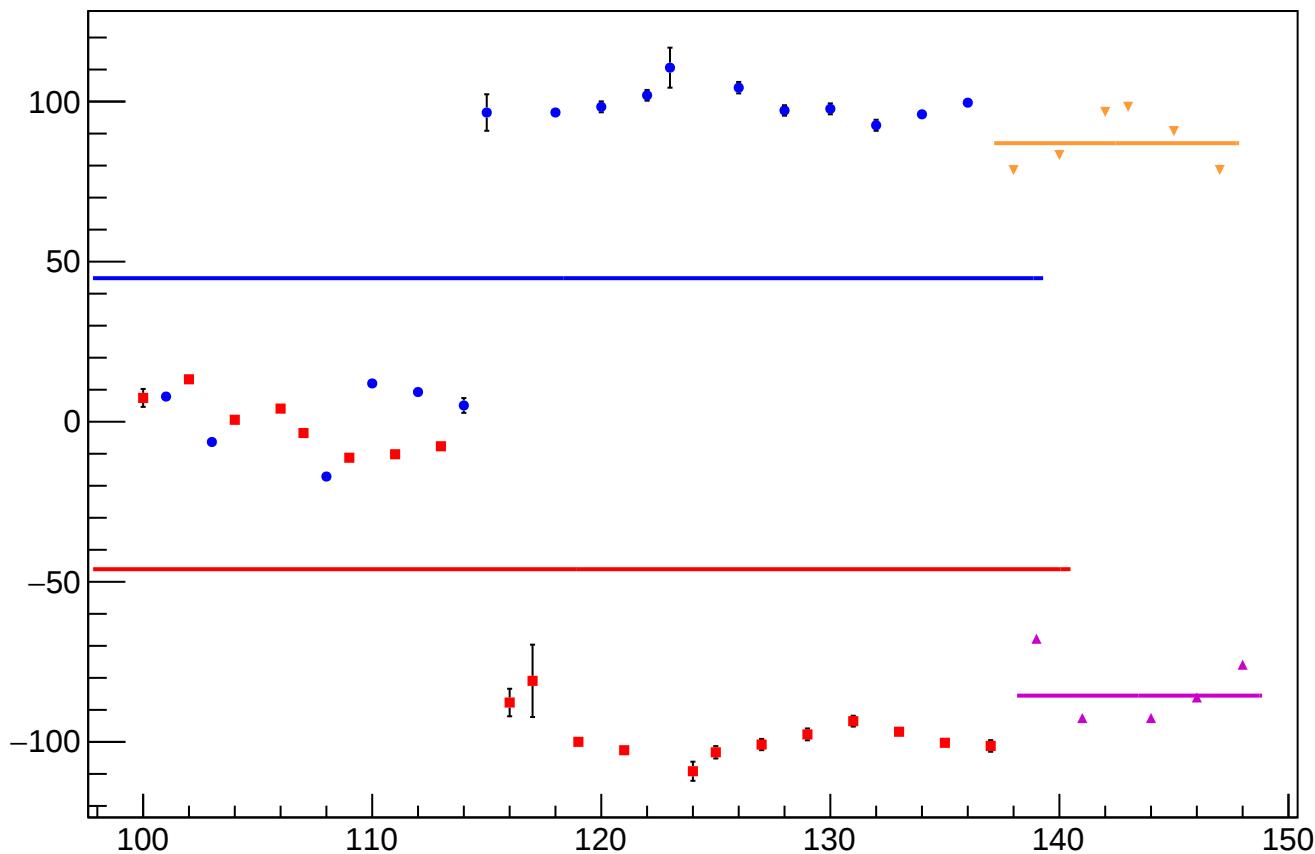
Left In: -3.366 ± 0.476 χ^2/NDF : 61.4/4

4.903 ± 0.325 χ^2/NDF : 371.2/22

1.345 ± 0.227 χ^2/NDF : 830.0/47

-2.031 ± 0.317 χ^2/NDF : 225.2/24

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 86.999+/-0.400 χ^2/NDF : 359.6/5

Right Out: -46.062+/-0.289 χ^2/NDF : 28272.9/19

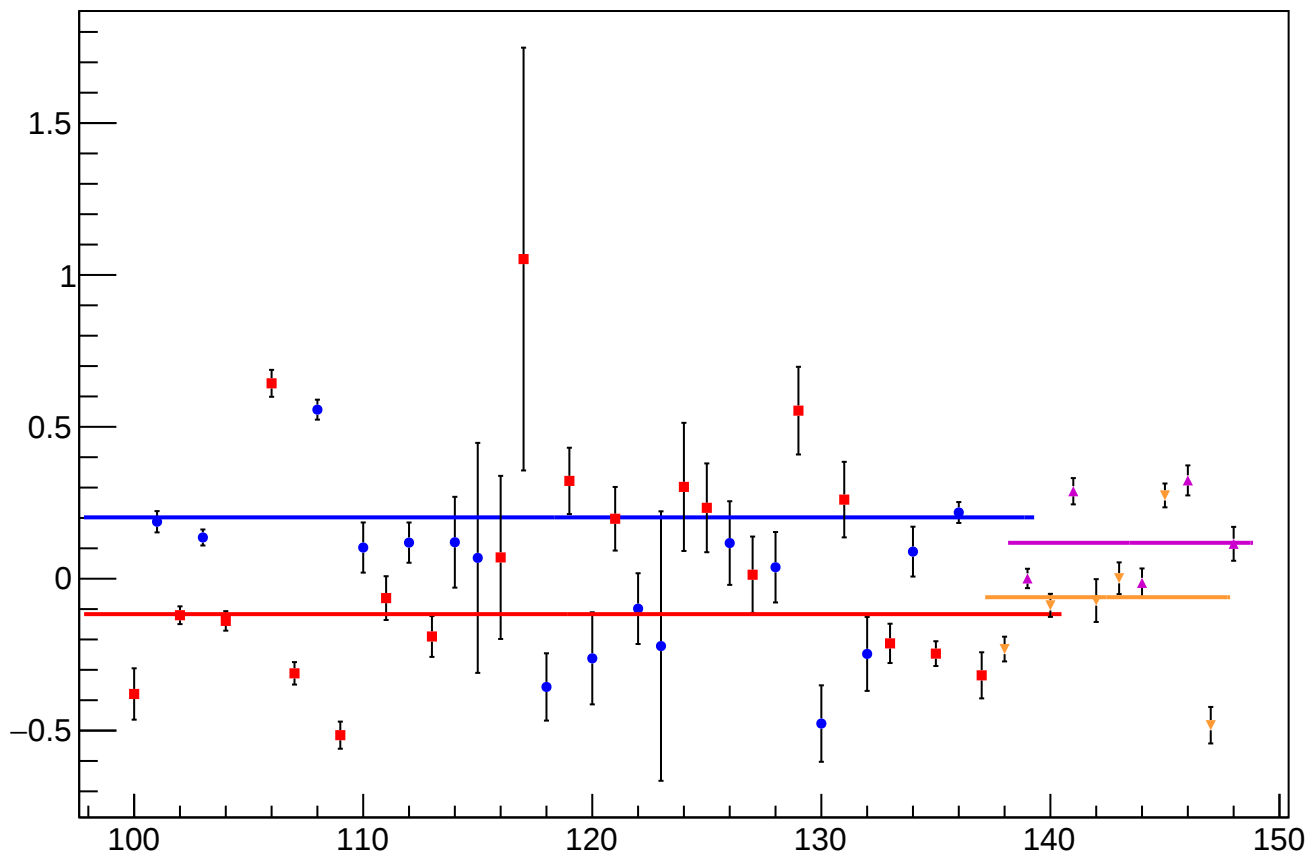
Left In: -85.545+/-0.426 χ^2/NDF : 382.3/4

60.297+/-0.242 χ^2/NDF : 32150.3/22

0.128+/-0.170 χ^2/NDF : 188340.6/47

-58.531+/-0.239 χ^2/NDF : 34534.1/24

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 $\pm$ 0.014 χ^2 /NDF: 216.0/16

Left Out: -0.061 $\pm$ 0.019 χ^2 /NDF:141.6/5

Right Out: -0.117 $\pm$ 0.013 χ^2 /NDF: 502.5/19

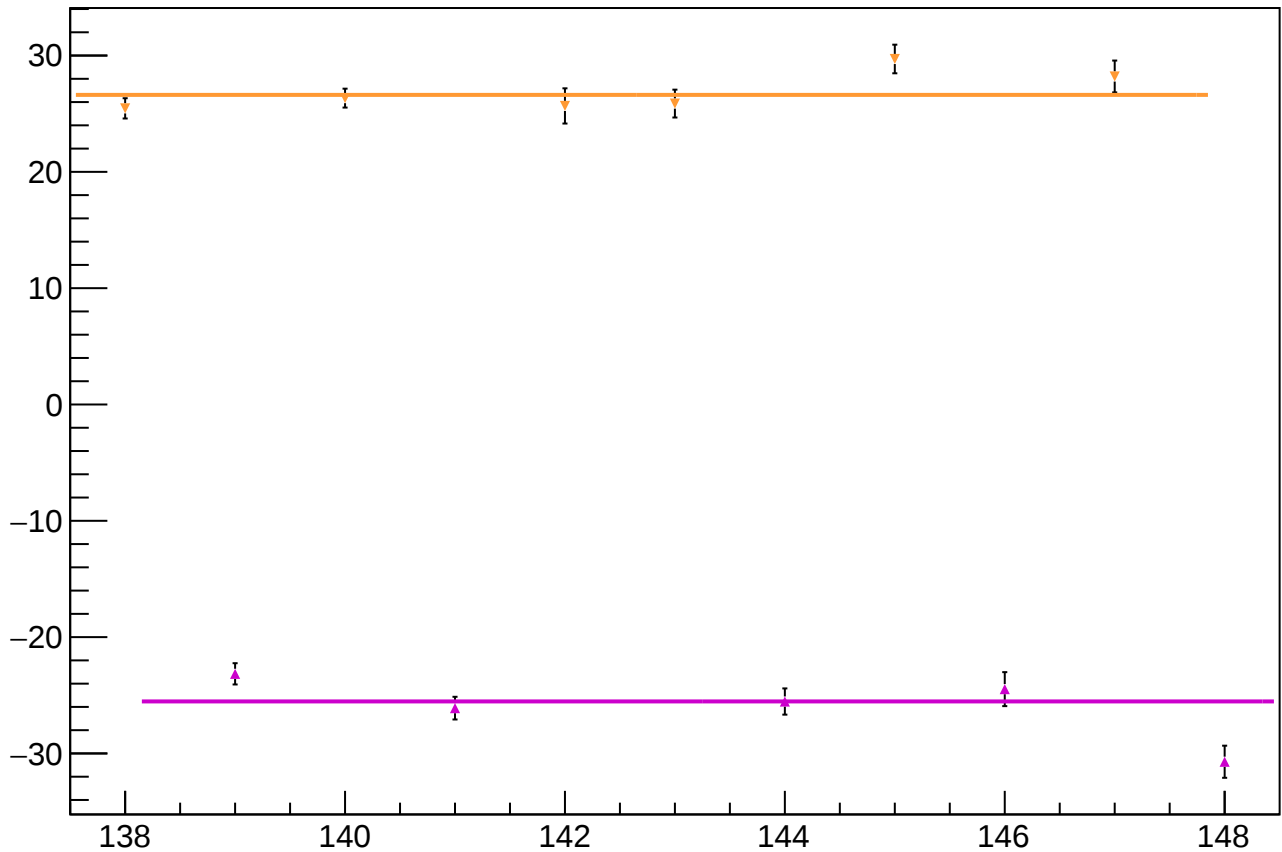
Left In: 0.118 $\pm$ 0.019 χ^2 /NDF:54.0/4

0.109 $\pm$ 0.011 χ^2 /NDF: 481.9/22

0.029 $\pm$ 0.008 χ^2 /NDF: 1234.4/47

-0.043 $\pm$ 0.011 χ^2 /NDF: 658.3/24

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 26.618 $\pm$ 0.440 χ^2/NDF : 10.3/5

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

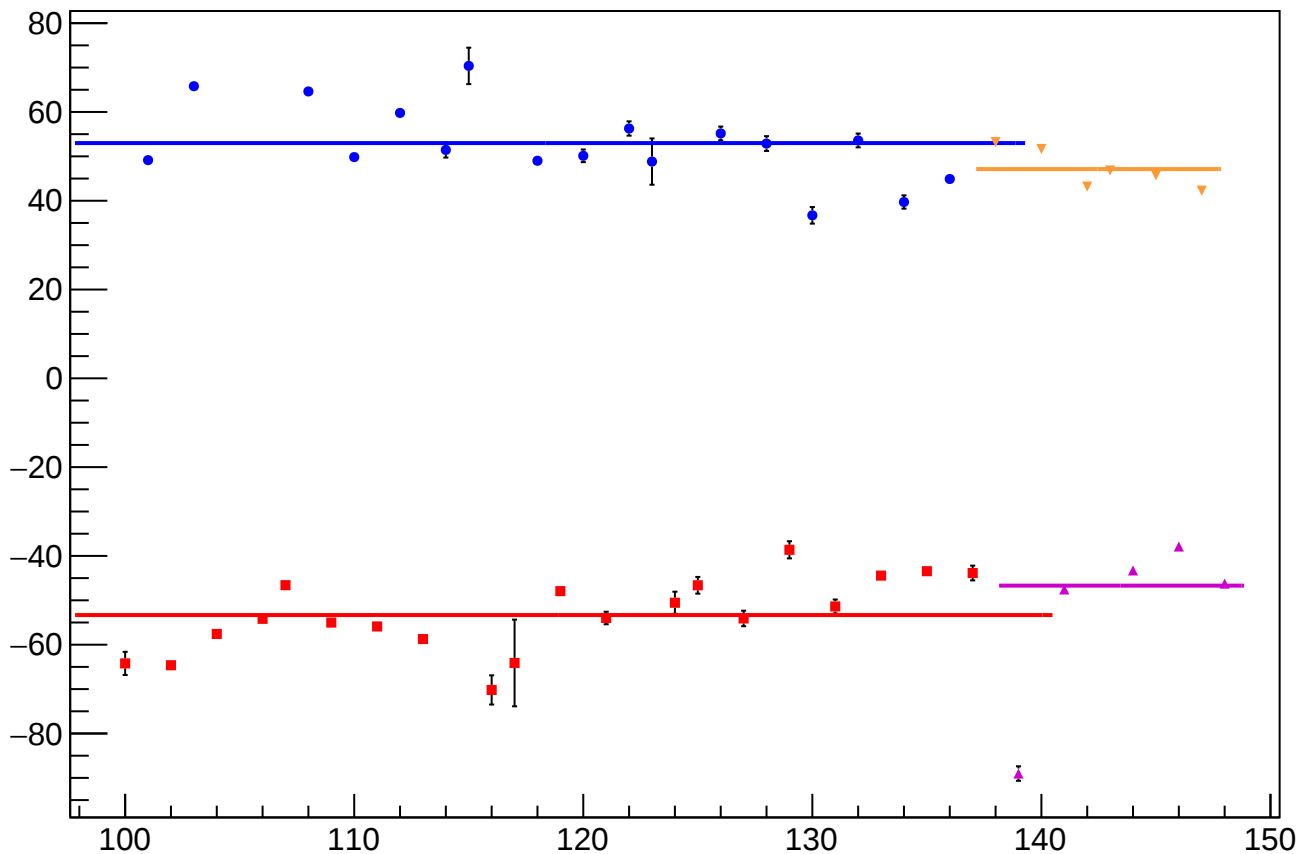
Left In: -25.528 $\pm$ 0.498 χ^2/NDF : 21.7/4

26.618 $\pm$ 0.440 χ^2/NDF : 10.3/5

3.760 $\pm$ 0.330 χ^2/NDF : 6185.3/10

-25.528 $\pm$ 0.498 χ^2/NDF : 21.7/4

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: 47.140 $\pm$ 0.328 χ^2 /NDF:165.1/5

Right Out: -53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

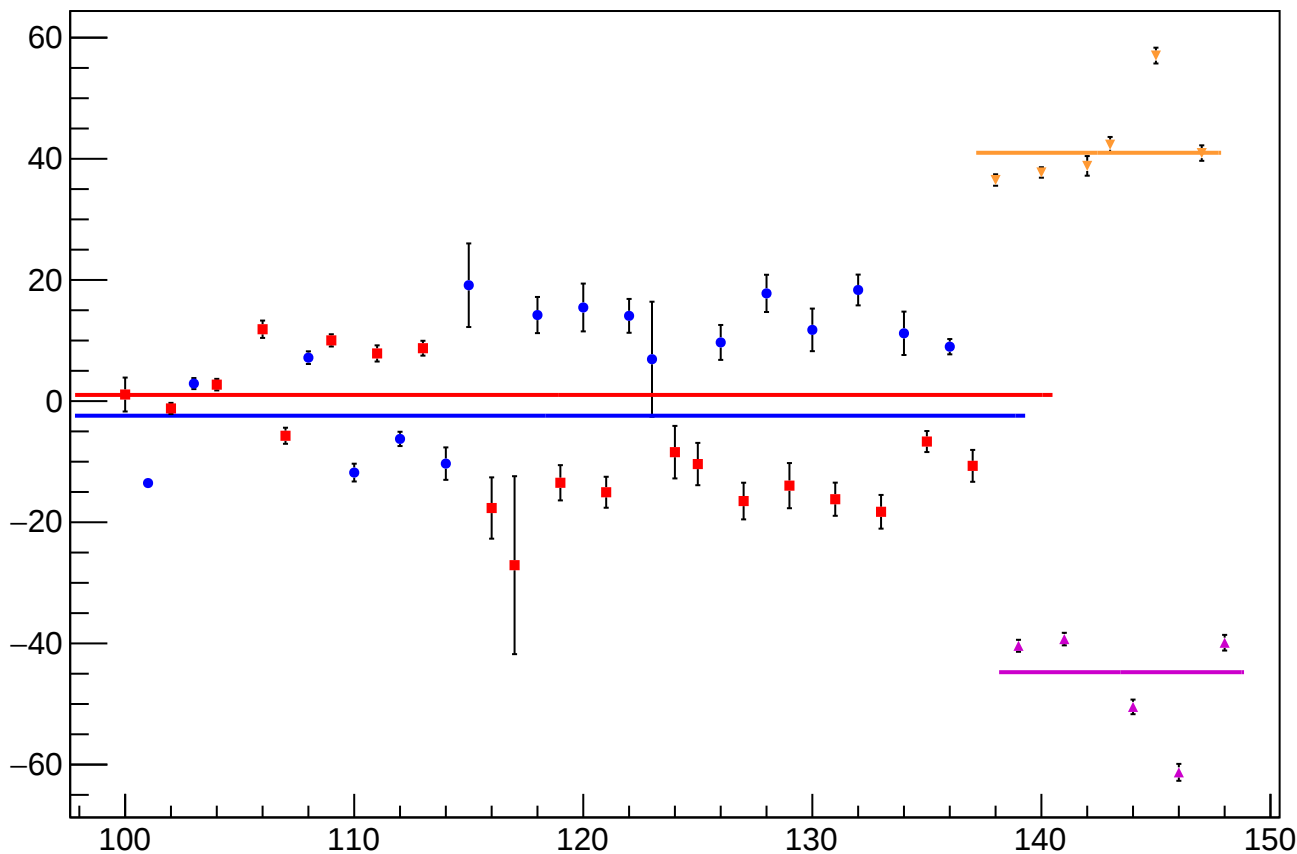
Left In: -46.697 $\pm$ 0.367 χ^2 /NDF:790.4/4

51.275 $\pm$ 0.177 χ^2 /NDF: 1588.5/22

4.193 $\pm$ 0.131 χ^2 /NDF: 157369.7/47

-51.491 $\pm$ 0.193 χ^2 /NDF: 1903.0/24

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 40.997 ± 0.464 χ^2/NDF : 190.8/5

Right Out: 1.021 ± 0.377 χ^2/NDF : 511.2/19

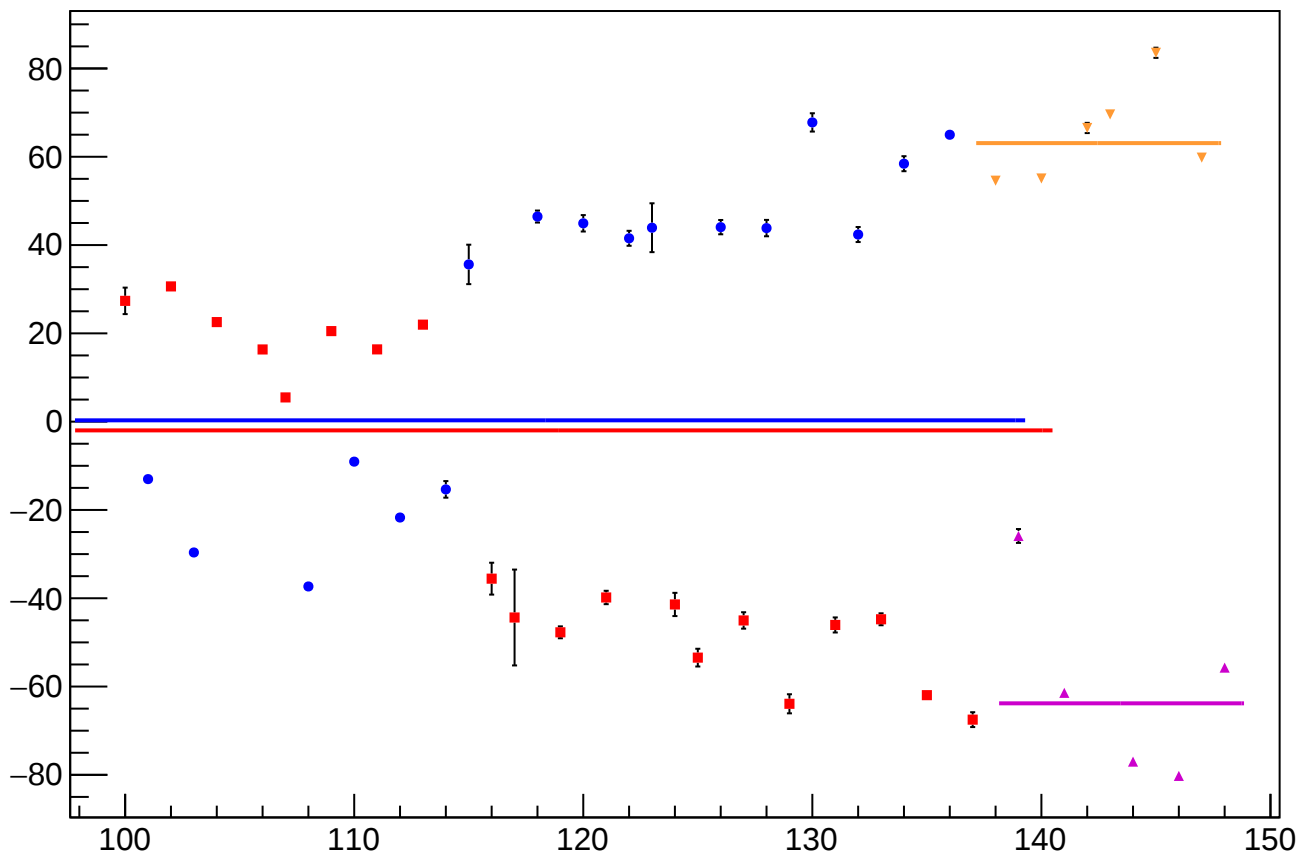
Left In: -44.749 ± 0.517 χ^2/NDF : 224.2/4

14.155 ± 0.286 χ^2/NDF : 6442.1/22

0.520 ± 0.209 χ^2/NDF : 17124.3/47

-14.882 ± 0.304 χ^2/NDF : 5858.5/24

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300+/-0.247 χ^2/NDF : 18259.2/16

Left Out: 63.093+/-0.401 χ^2/NDF : 545.8/5

Right Out: -1.978+/-0.267 χ^2/NDF : 15465.9/19

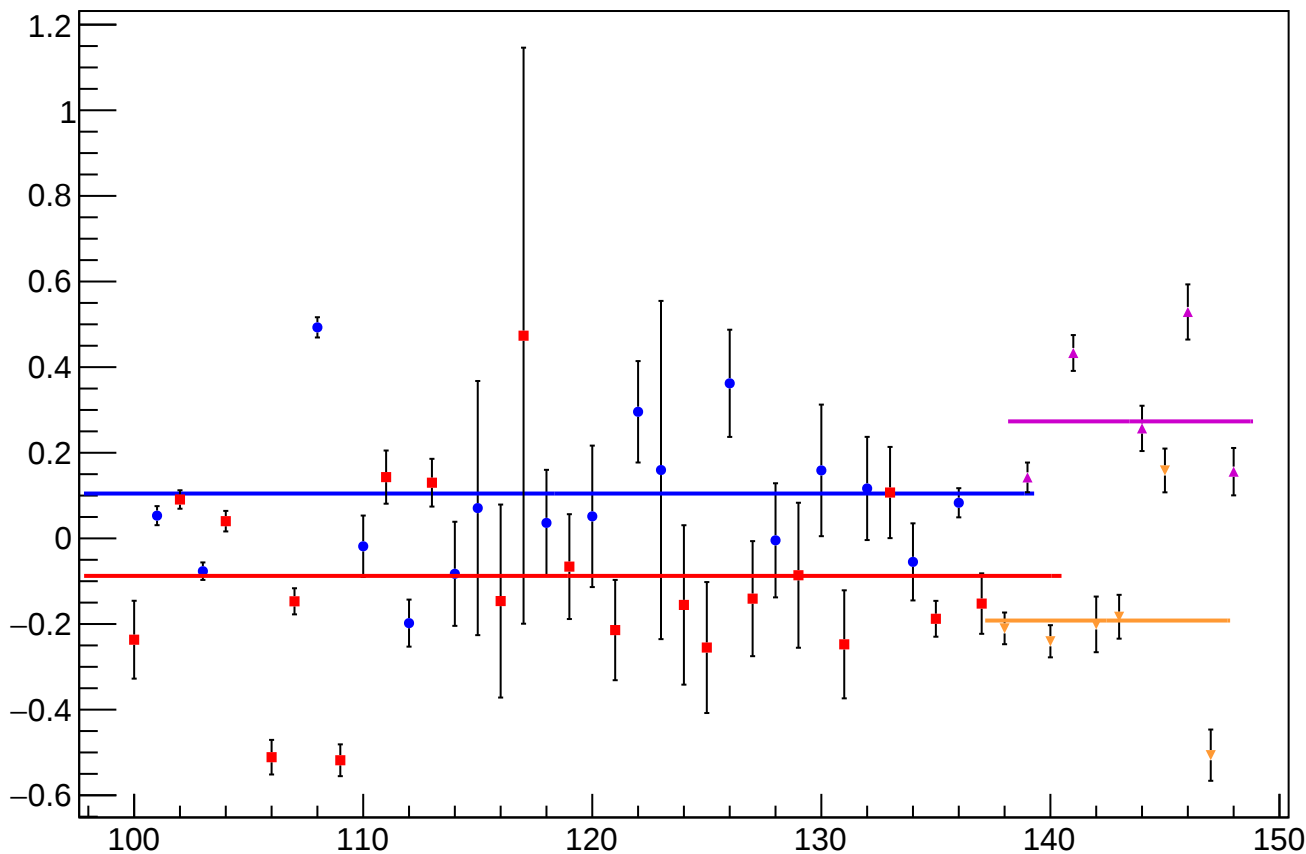
Left In: -63.803+/-0.453 χ^2/NDF : 1073.5/4

17.642+/-0.210 χ^2/NDF : 36594.0/22

1.447+/-0.155 χ^2/NDF : 79922.2/47

-17.854+/-0.230 χ^2/NDF : 30354.1/24

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.192 ± 0.019 $\chi^2/\text{NDF}: 76.6/5$

Right Out: -0.088 ± 0.011 $\chi^2/\text{NDF}: 391.6/19$

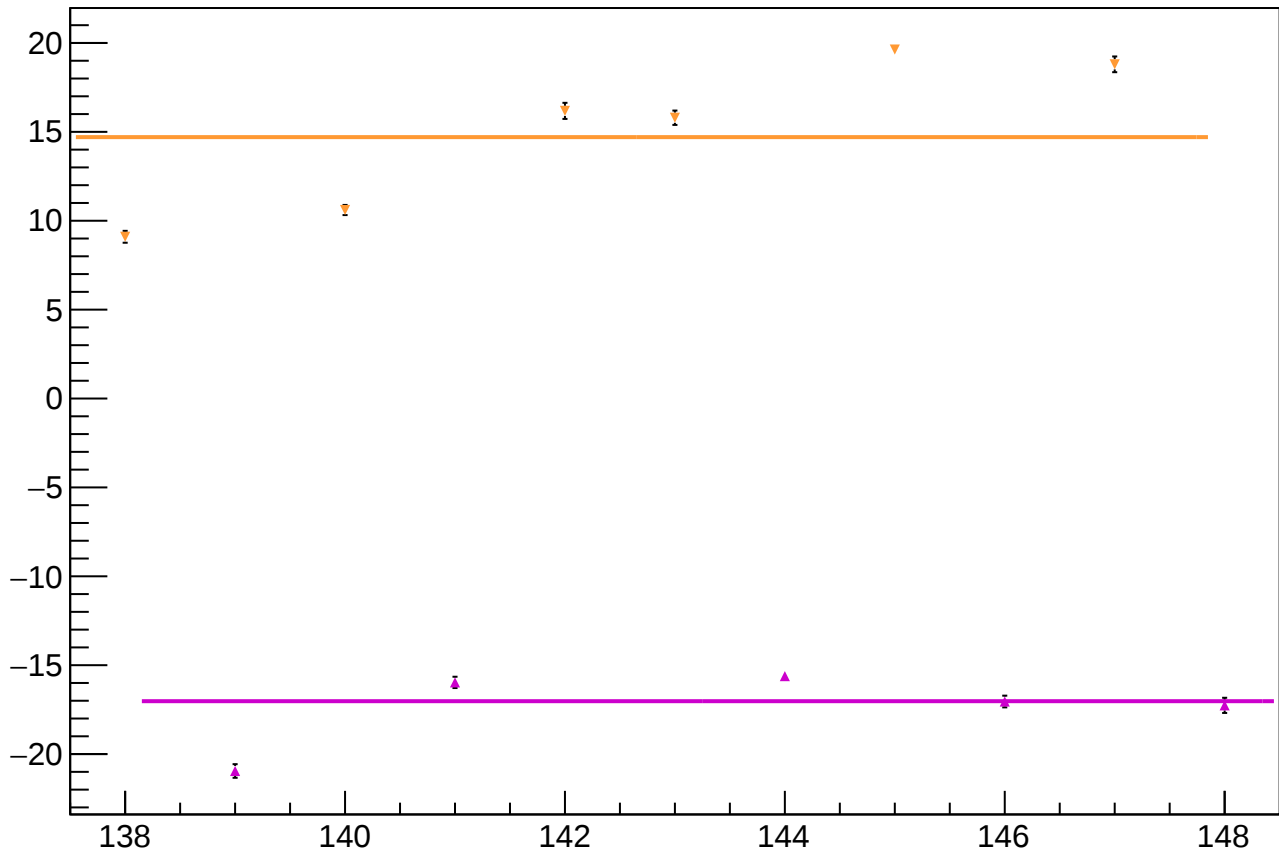
Left In: 0.273 ± 0.021 $\chi^2/\text{NDF}: 49.1/4$

0.031 ± 0.010 $\chi^2/\text{NDF}: 657.0/22$

0.012 ± 0.007 $\chi^2/\text{NDF}: 1342.2/47$

-0.008 ± 0.010 $\chi^2/\text{NDF}: 676.9/24$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.704+/-0.140 χ^2/NDF : 913.9/5

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

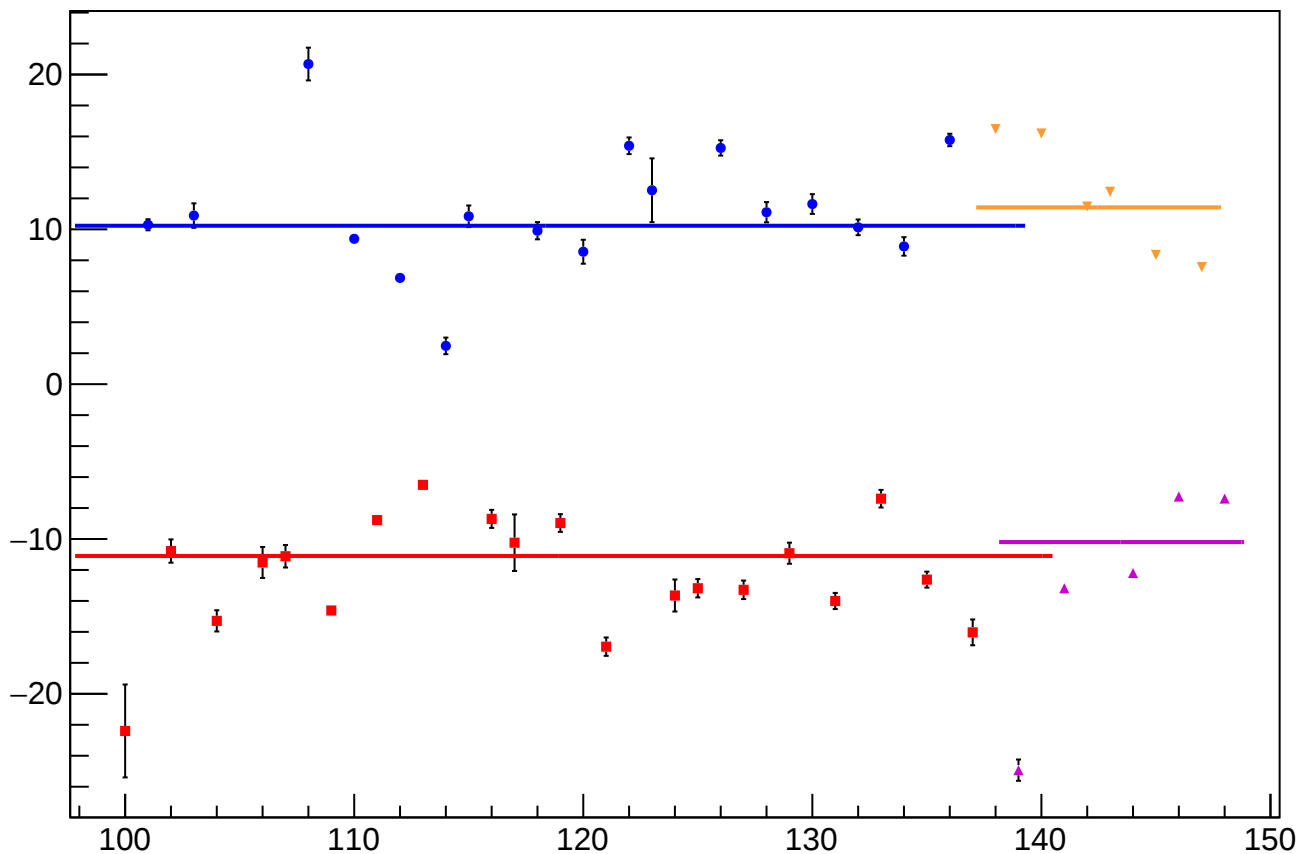
Left In: -17.025+/-0.151 χ^2/NDF : 141.0/4

14.704+/-0.140 χ^2/NDF : 913.9/5

-0.025+/-0.103 χ^2/NDF : 24729.9/10

-17.025+/-0.151 χ^2/NDF : 141.0/4

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 ± 0.119 $\chi^2/\text{NDF}: 876.7/16$

Left Out: 11.419 ± 0.101 $\chi^2/\text{NDF}: 1219.7/5$

Right Out: -11.096 ± 0.116 $\chi^2/\text{NDF}: 818.0/19$

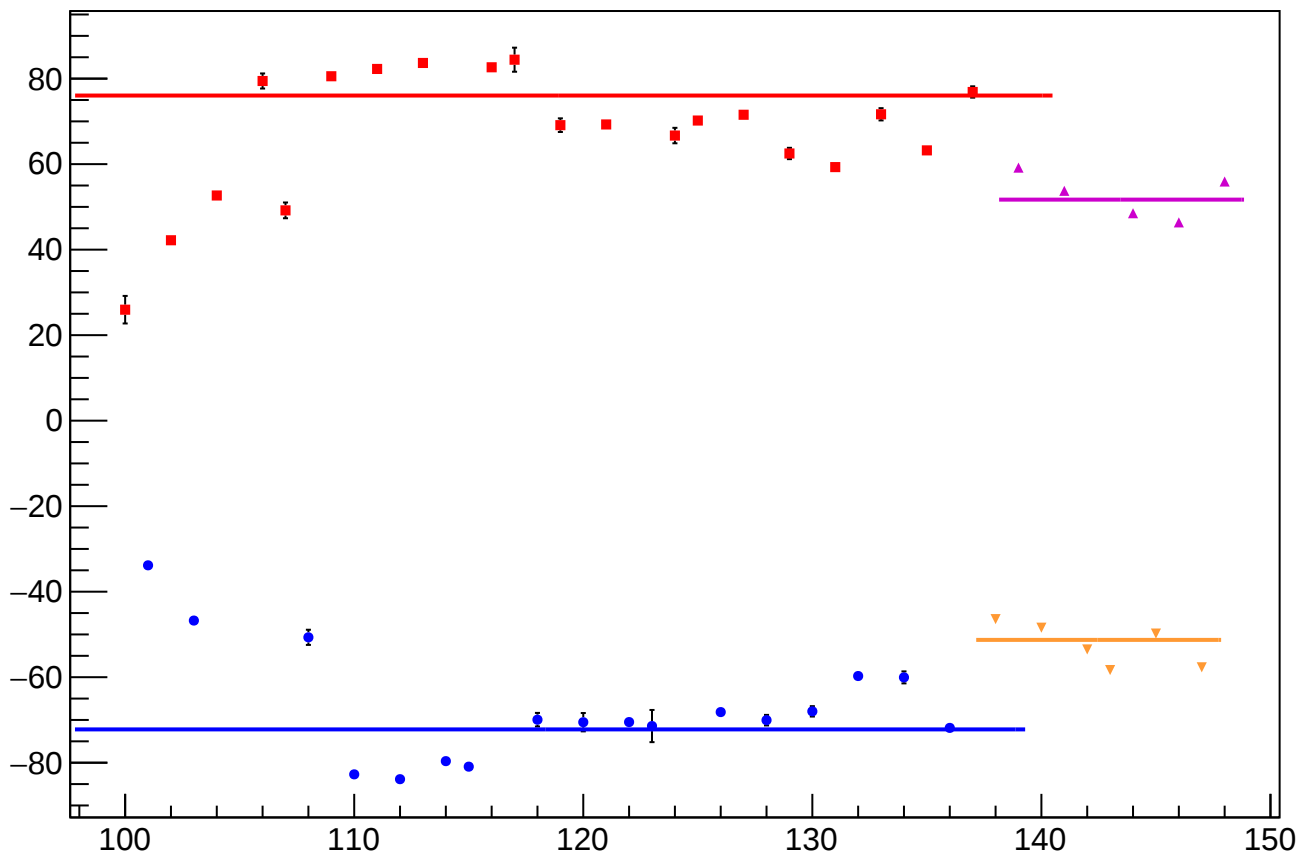
Left In: -10.197 ± 0.103 $\chi^2/\text{NDF}: 1134.9/4$

10.922 ± 0.077 $\chi^2/\text{NDF}: 2153.8/22$

0.114 ± 0.055 $\chi^2/\text{NDF}: 43084.5/47$

-10.591 ± 0.077 $\chi^2/\text{NDF}: 1986.7/24$

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -51.275+/-0.148 χ^2/NDF : 823.6/5

Right Out: 76.044+/-0.181 χ^2/NDF : 3472.2/19

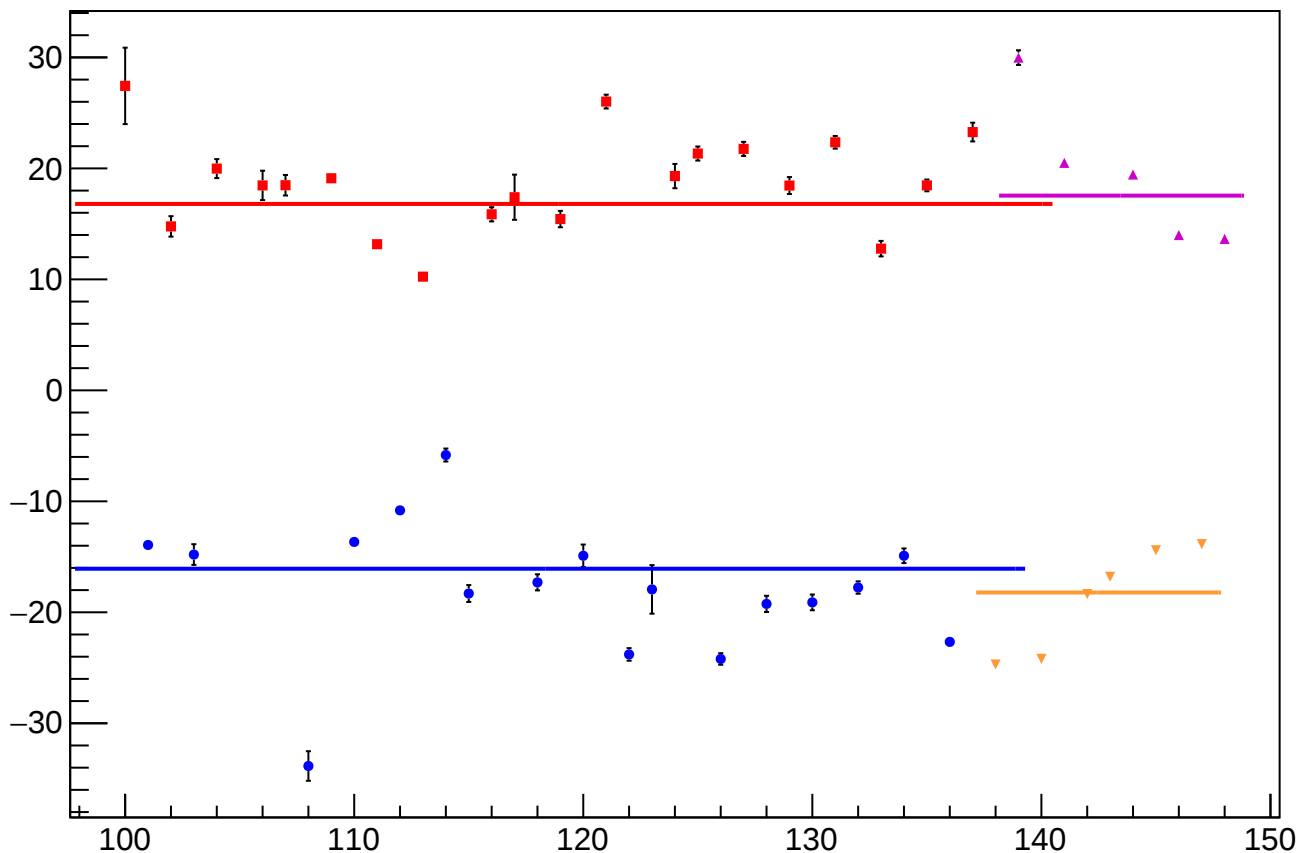
Left In: 51.700+/-0.155 χ^2/NDF : 866.6/4

-58.781+/-0.119 χ^2/NDF : 13562.6/22

2.117+/-0.083 χ^2/NDF : 551805.4/47

62.015+/-0.118 χ^2/NDF : 14808.0/24

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -18.215 ± 0.124 χ^2/NDF : 1230.9/5

Right Out: 16.797 ± 0.128 χ^2/NDF : 1216.1/19

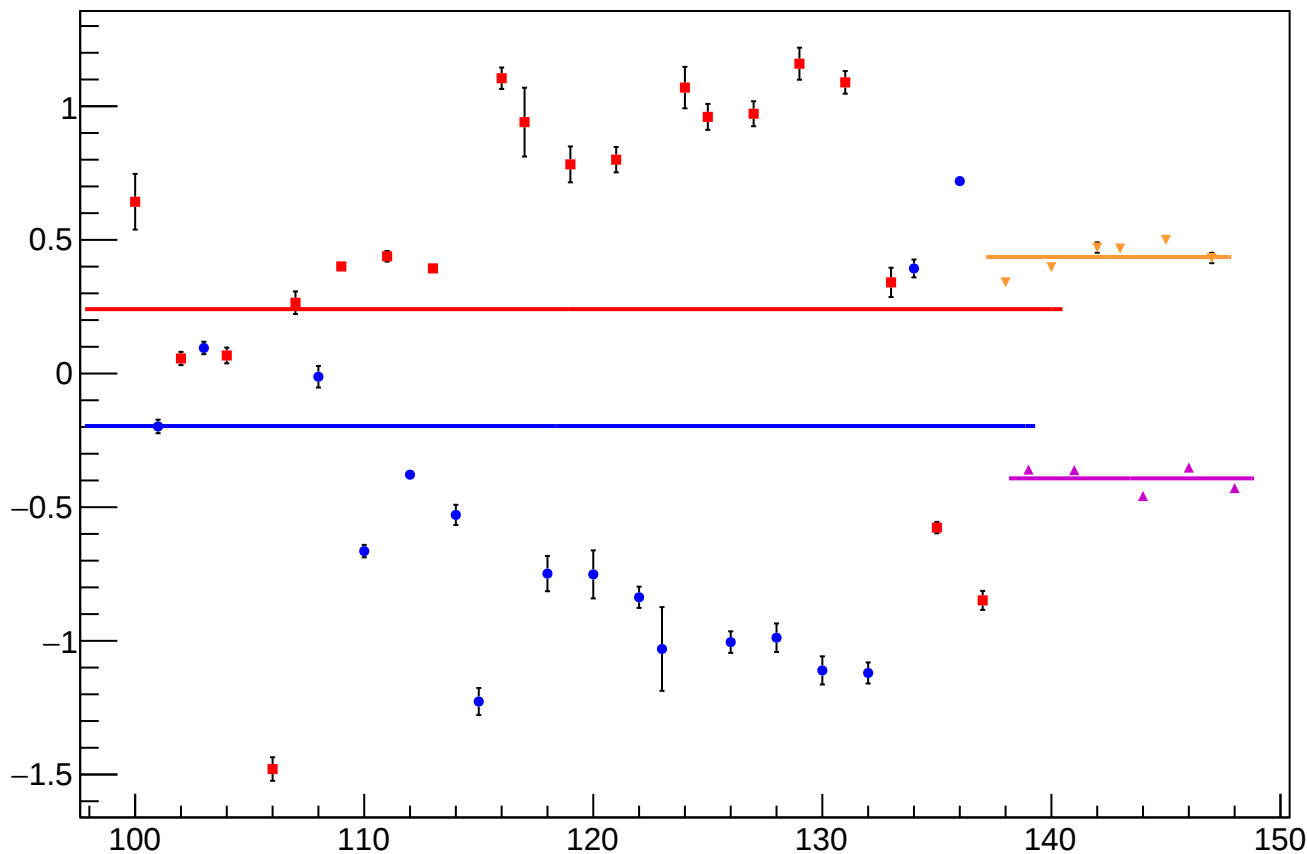
Left In: 17.546 ± 0.128 χ^2/NDF : 912.2/4

-17.214 ± 0.091 χ^2/NDF : 3010.6/22

-0.018 ± 0.064 χ^2/NDF : 77208.7/47

17.170 ± 0.091 χ^2/NDF : 2145.4/24

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.436 ± 0.006 χ^2/NDF : 89.2/5

Right Out: 0.241 ± 0.007 χ^2/NDF : 6218.3/19

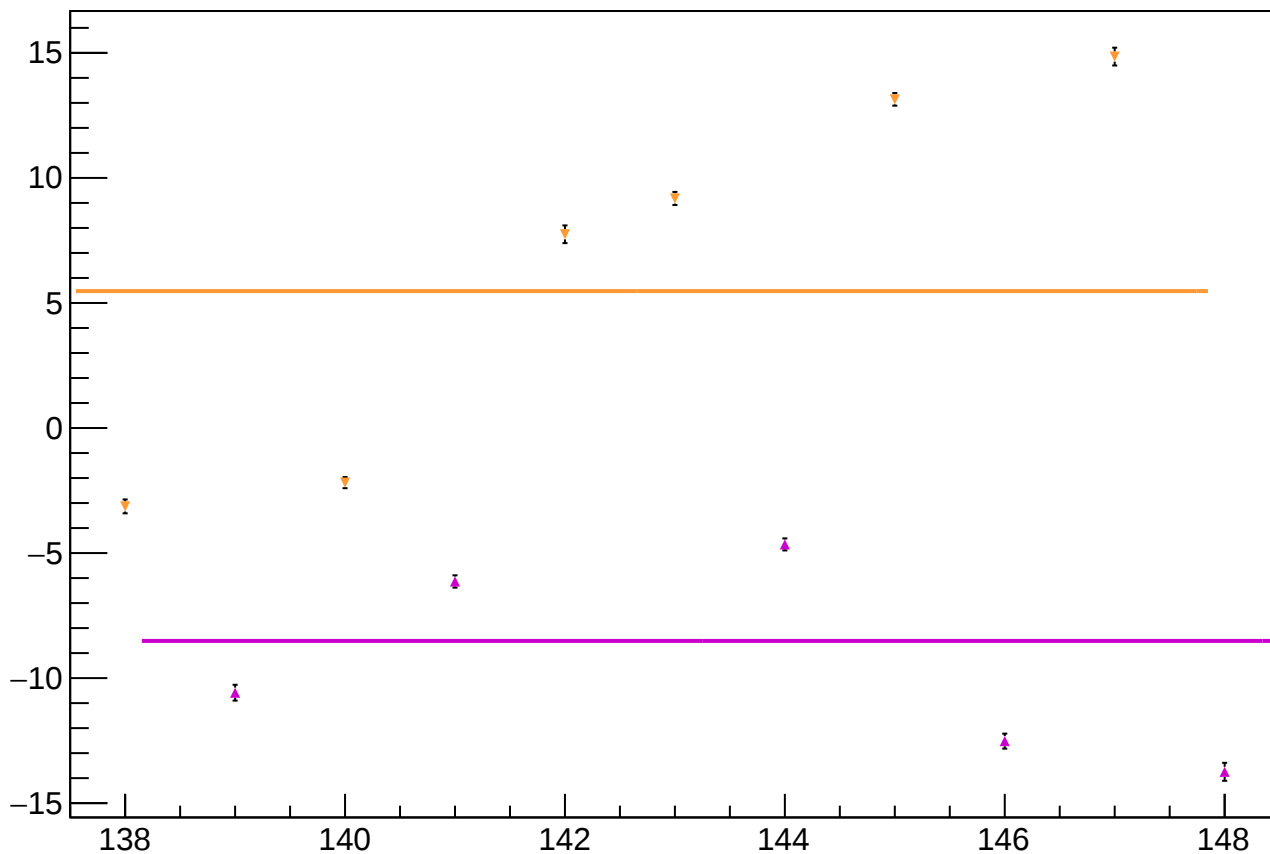
Left In: -0.392 ± 0.006 χ^2/NDF : 47.4/4

0.185 ± 0.005 χ^2/NDF : 10652.8/22

0.040 ± 0.003 χ^2/NDF : 23091.1/47

-0.108 ± 0.005 χ^2/NDF : 10559.5/24

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 5.476+/-0.112 χ^2/NDF : 3999.8/5

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

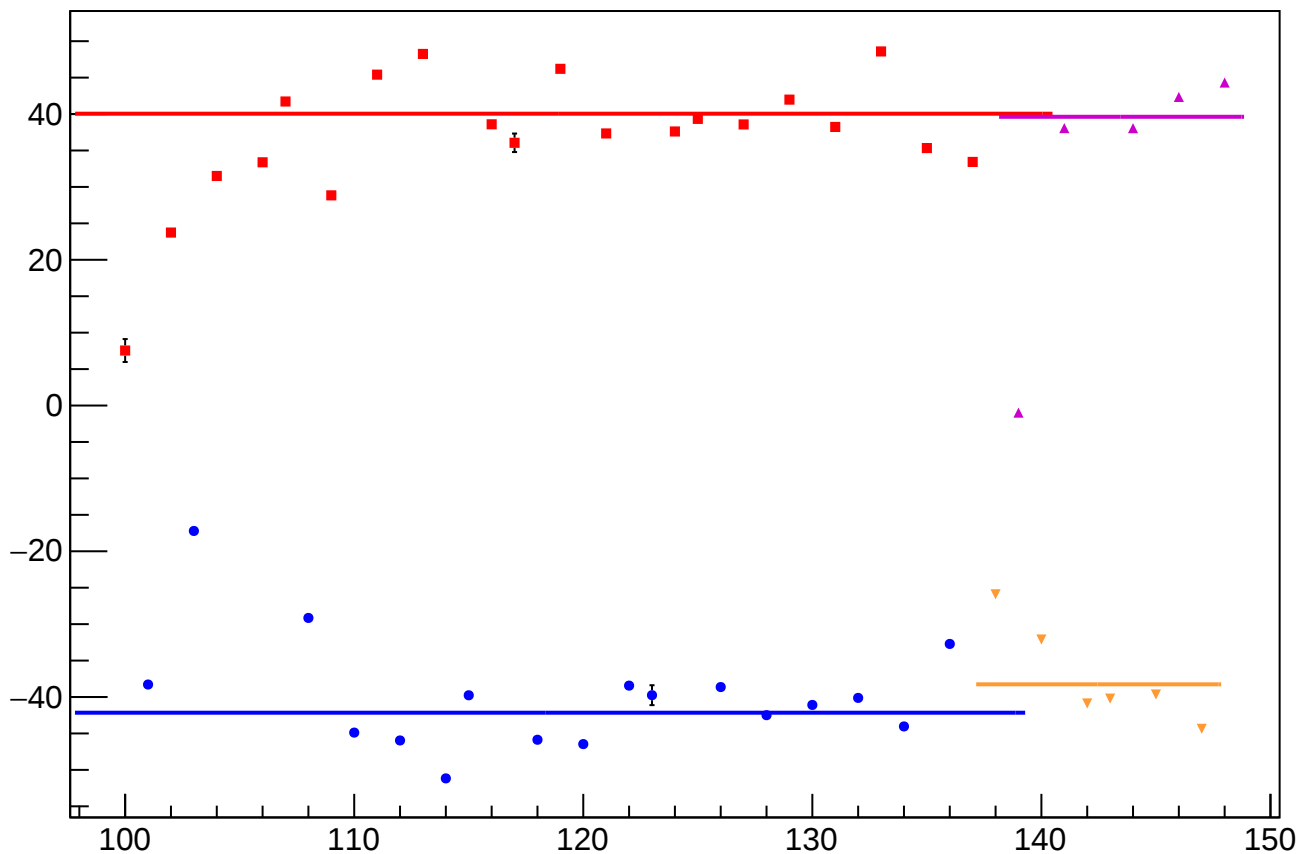
Left In: -8.513+/-0.126 χ^2/NDF : 782.7/4

5.476+/-0.112 χ^2/NDF : 3999.8/5

-0.694+/-0.084 χ^2/NDF : 11621.0/10

-8.513+/-0.126 χ^2/NDF : 782.7/4

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -38.258 ± 0.081 χ^2/NDF : 4855.2/5

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

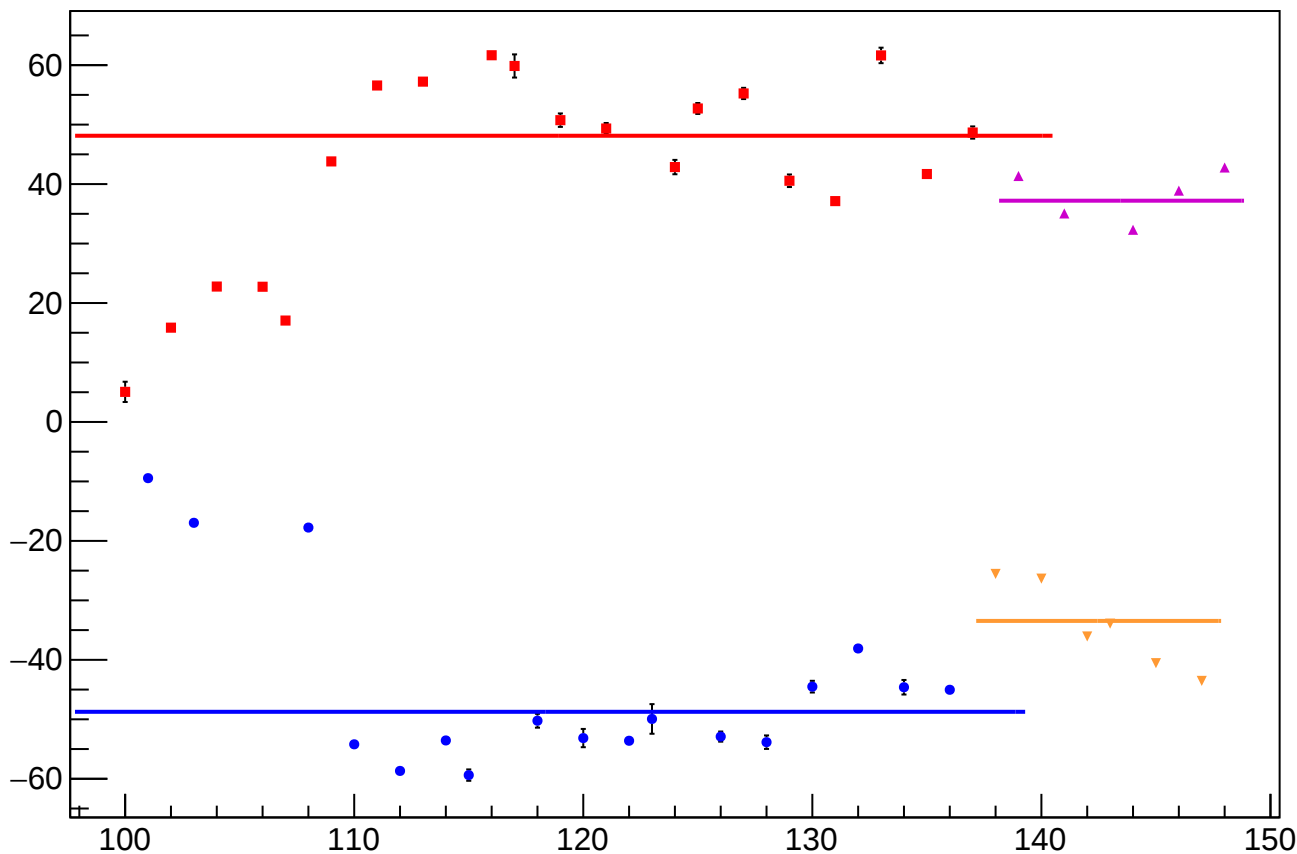
Left In: 39.626 ± 0.087 χ^2/NDF : 6219.1/4

-40.270 ± 0.056 χ^2/NDF : 12617.7/22

-0.053 ± 0.040 χ^2/NDF : 1055107.8/47

39.876 ± 0.056 χ^2/NDF : 17565.1/24

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737±0.125 χ^2/NDF : 14658.1/16

Left Out: -33.454±0.118 χ^2/NDF : 3258.4/5

Right Out: 48.127±0.107 χ^2/NDF : 11769.6/19

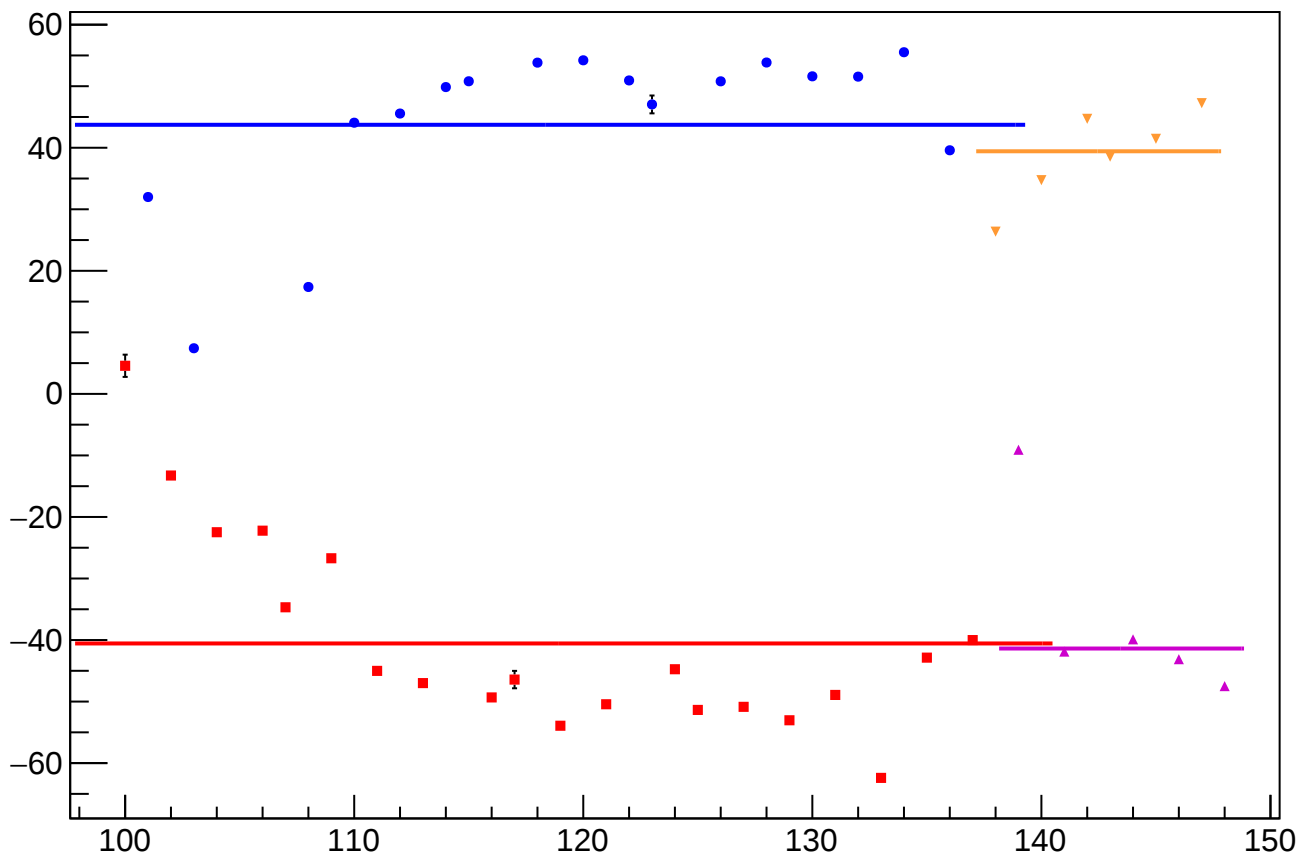
Left In: 37.205±0.130 χ^2/NDF : 881.2/4

-40.701±0.086 χ^2/NDF : 25832.3/22

3.046±0.060 χ^2/NDF : 544677.9/47

43.722±0.083 χ^2/NDF : 16847.9/24

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 ± 0.087 χ^2/NDF : 10567.7/16

Left Out: 39.427 ± 0.099 χ^2/NDF : 3820.2/5

Right Out: -40.556 ± 0.080 χ^2/NDF : 17618.6/19

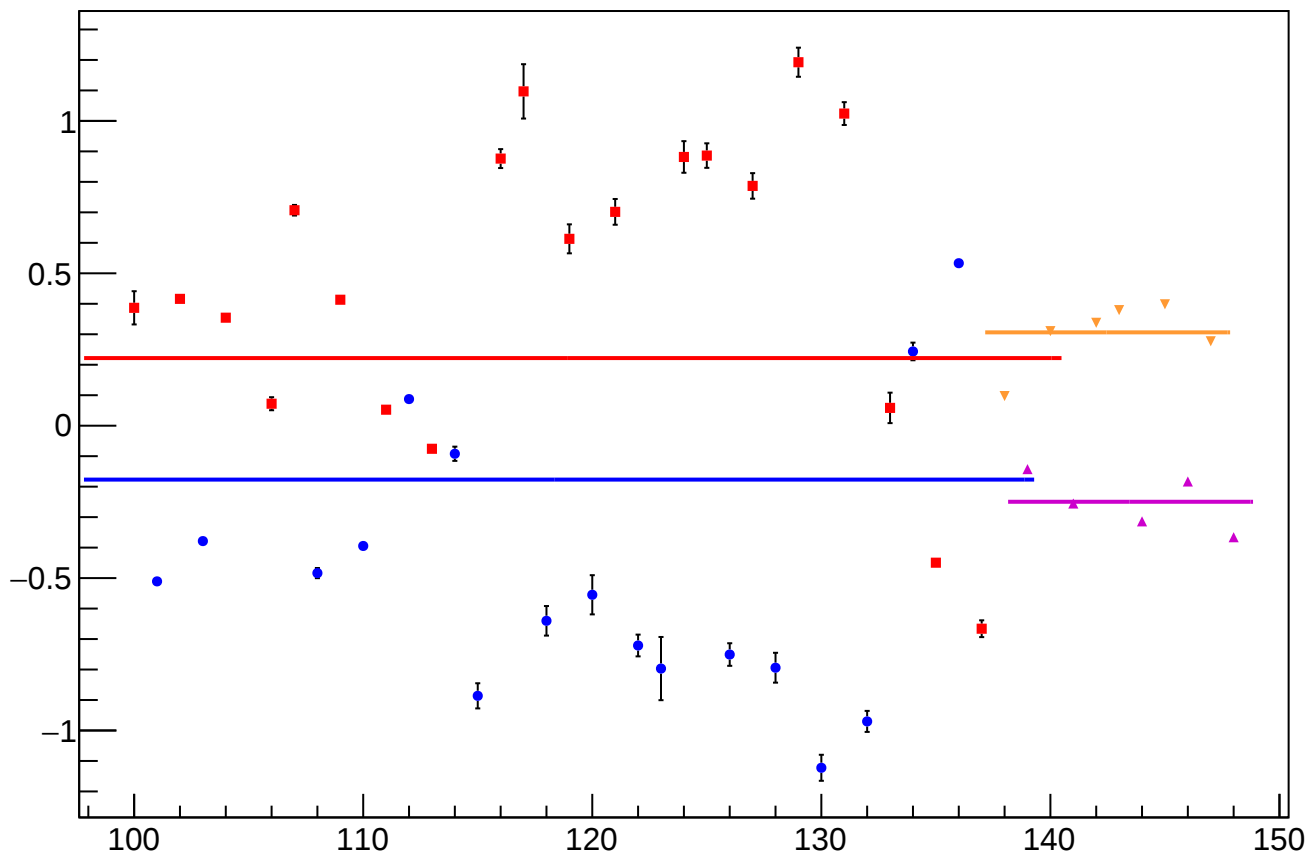
Left In: -41.380 ± 0.109 χ^2/NDF : 4245.7/4

41.853 ± 0.065 χ^2/NDF : 15459.3/22

0.003 ± 0.046 χ^2/NDF : 851372.5/47

-40.847 ± 0.064 χ^2/NDF : 21901.6/24

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177±/0.005 χ^2/NDF : 7364.7/16

Left Out: 0.306±/0.005 χ^2/NDF :432.9/5

Right Out: 0.222±/0.004 χ^2/NDF : 7527.0/19

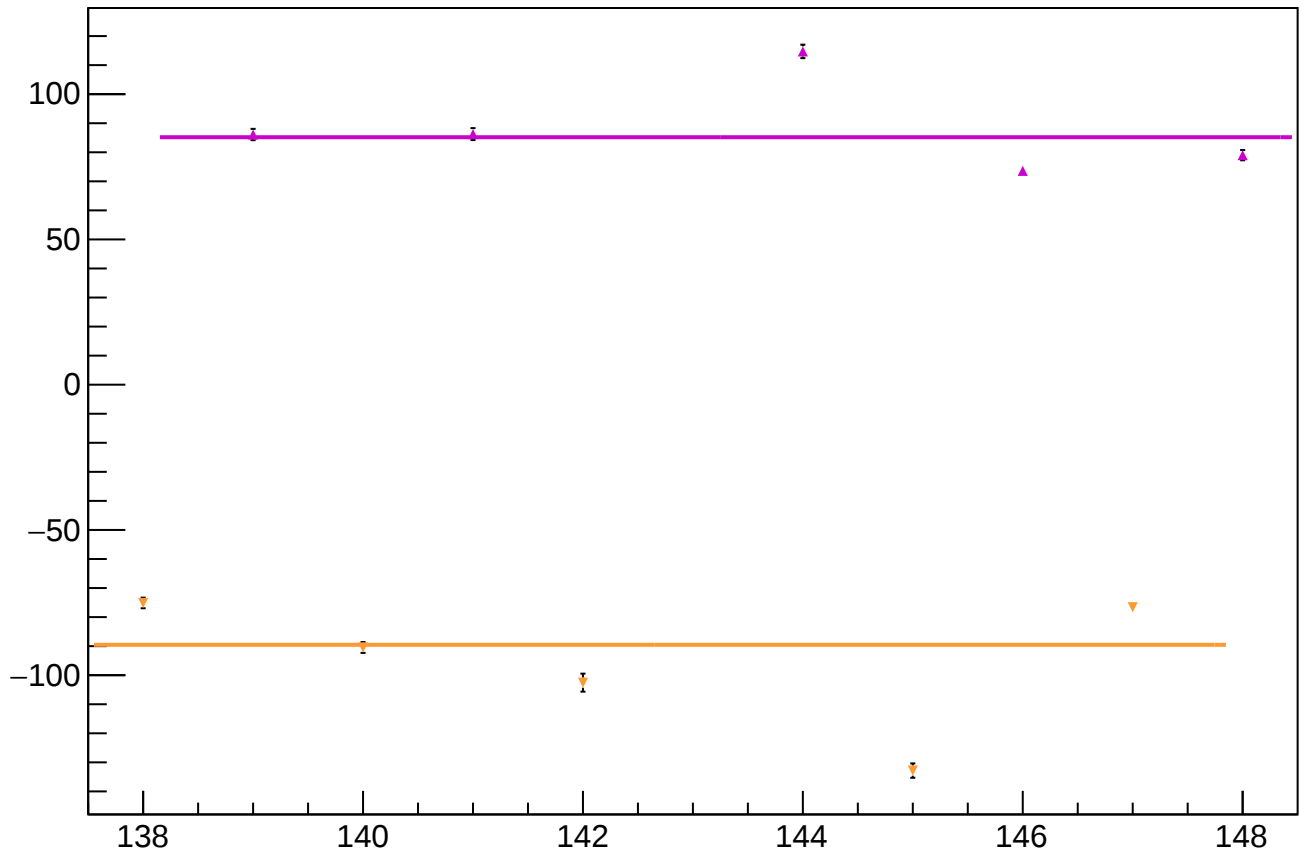
Left In: -0.250±/0.005 χ^2/NDF :201.6/4

0.062±/0.003 χ^2/NDF : 12725.1/22

0.051±/0.002 χ^2/NDF : 25123.0/47

0.040±/0.003 χ^2/NDF : 12376.4/24

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -89.539+/-0.916 χ^2/NDF : 442.4/4

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

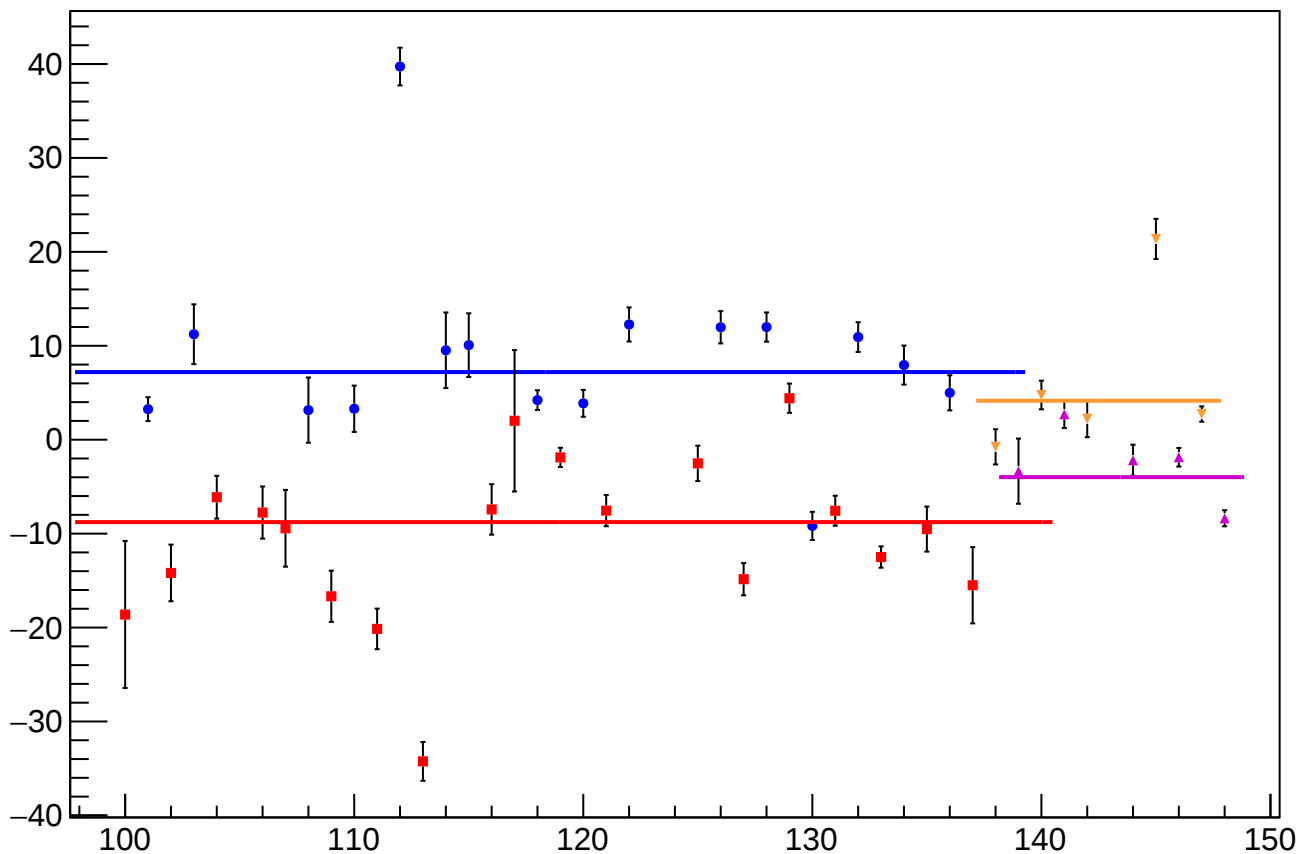
Left In: 85.185+/-0.859 χ^2/NDF : 221.6/4

-89.539+/-0.916 χ^2/NDF : 442.4/4

3.395+/-0.627 χ^2/NDF : 20024.6/9

85.185+/-0.859 χ^2/NDF : 221.6/4

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 $\pm$ 0.440 χ^2/NDF : 443.8/15

Left Out: 4.148 $\pm$ 0.609 χ^2/NDF : 75.8/4

Right Out: -8.772 $\pm$ 0.447 χ^2/NDF : 351.7/18

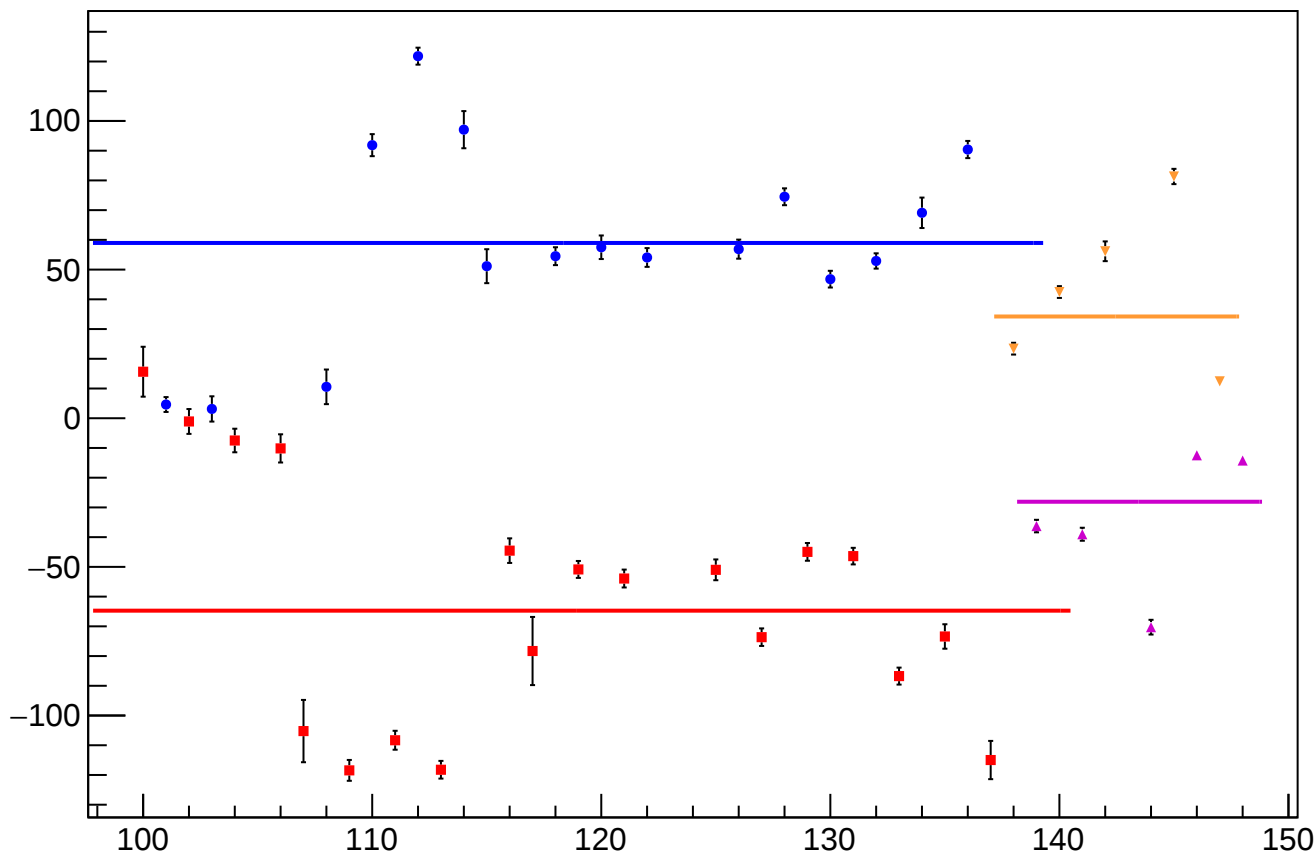
Left In: -3.984 $\pm$ 0.551 χ^2/NDF : 52.7/4

6.155 $\pm$ 0.356 χ^2/NDF : 536.1/20

-0.530 $\pm$ 0.249 χ^2/NDF : 1671.6/44

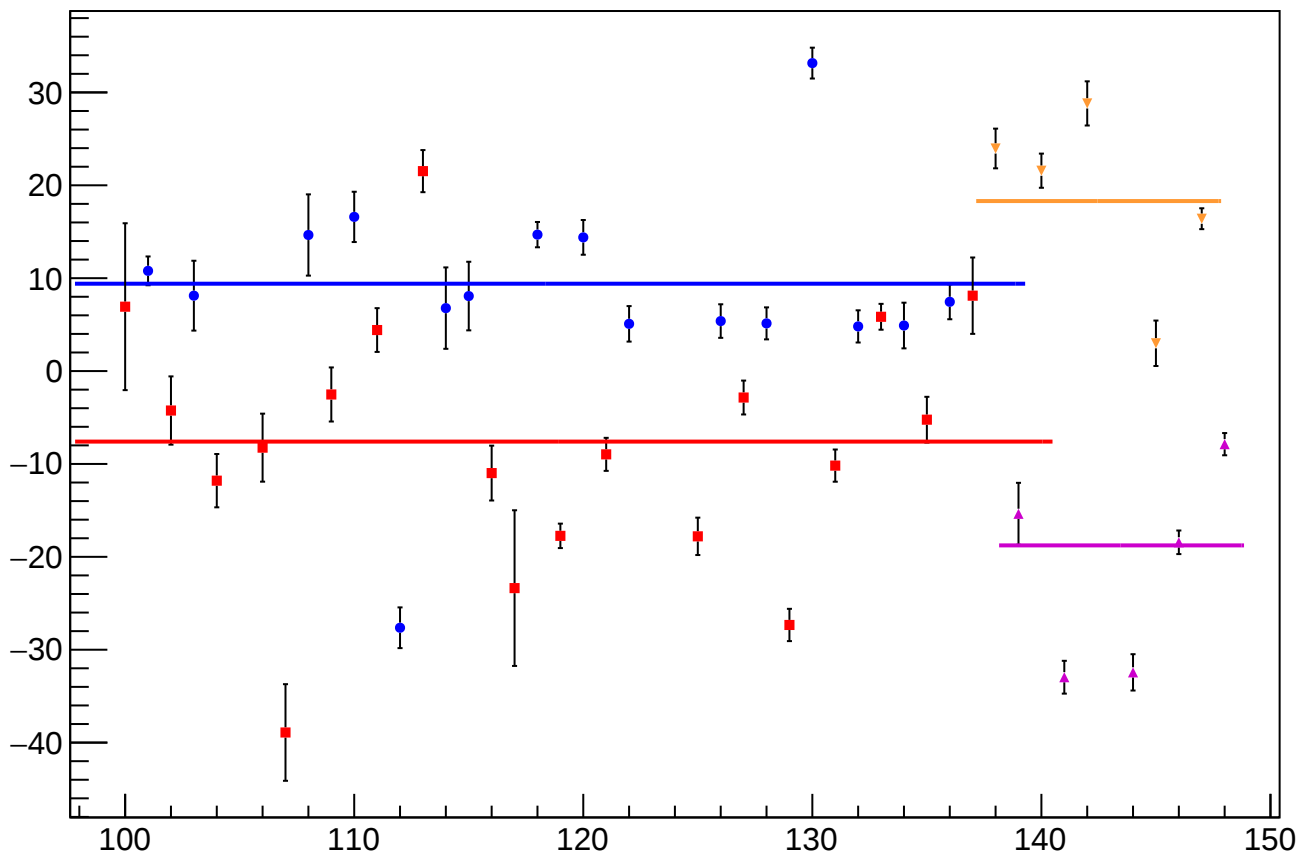
-6.871 $\pm$ 0.347 χ^2/NDF : 450.0/23

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



47.987 +/- 0.624 χ^2/NDF : 2495.4/20
 -1.268 +/- 0.433 χ^2/NDF : 17639.4/44
 -46.960 +/- 0.601 χ^2/NDF : 3143.4/23

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 18.303 ± 0.778 $\chi^2/\text{NDF}: 71.8/4$

Right Out: -7.593 ± 0.514 $\chi^2/\text{NDF}: 573.4/18$

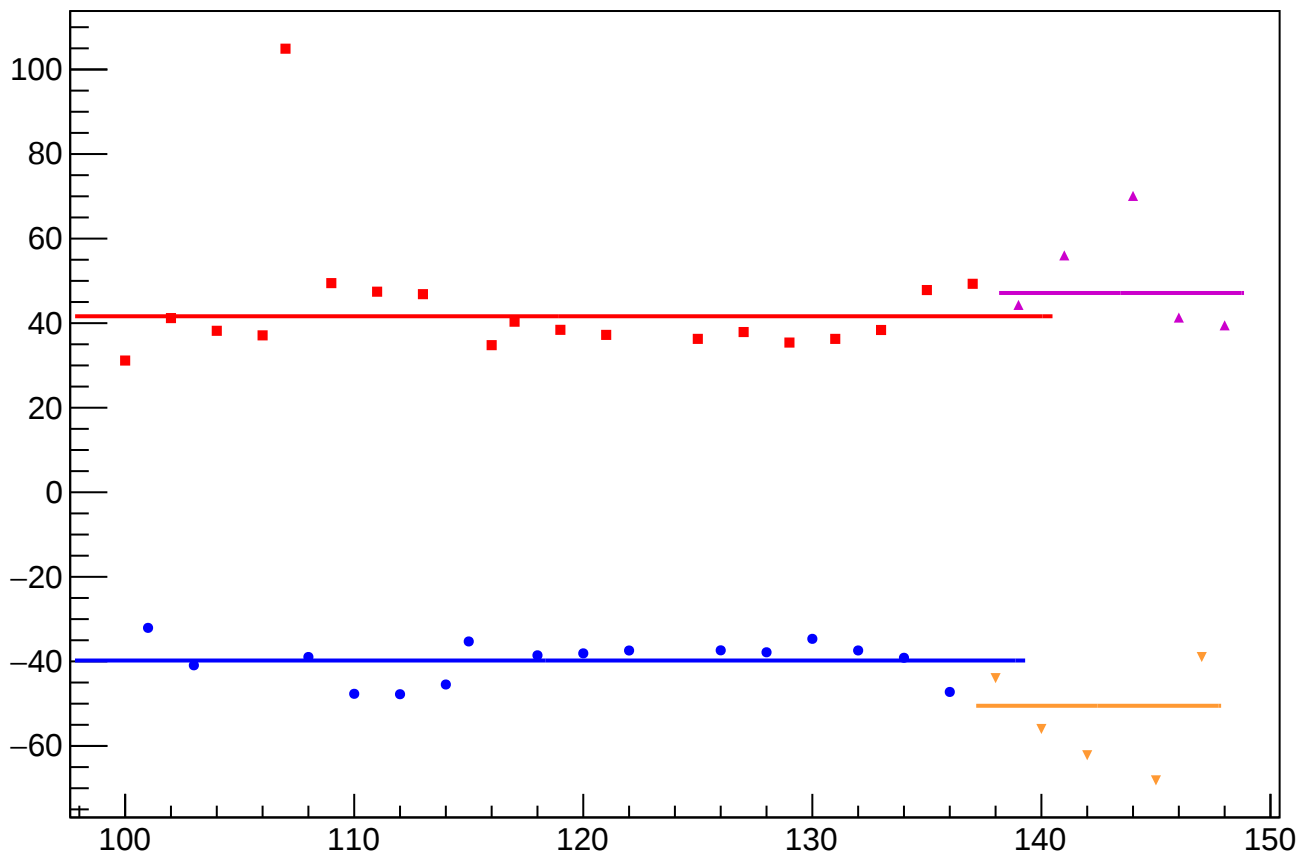
Left In: -18.768 ± 0.709 $\chi^2/\text{NDF}: 197.5/4$

12.054 ± 0.425 $\chi^2/\text{NDF}: 713.1/20$

0.064 ± 0.297 $\chi^2/\text{NDF}: 3209.1/44$

-11.443 ± 0.416 $\chi^2/\text{NDF}: 933.8/23$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -50.497 ± 0.040 χ^2/NDF : 72104.2/4

Right Out: 41.631 ± 0.031 χ^2/NDF : 94399.1/18

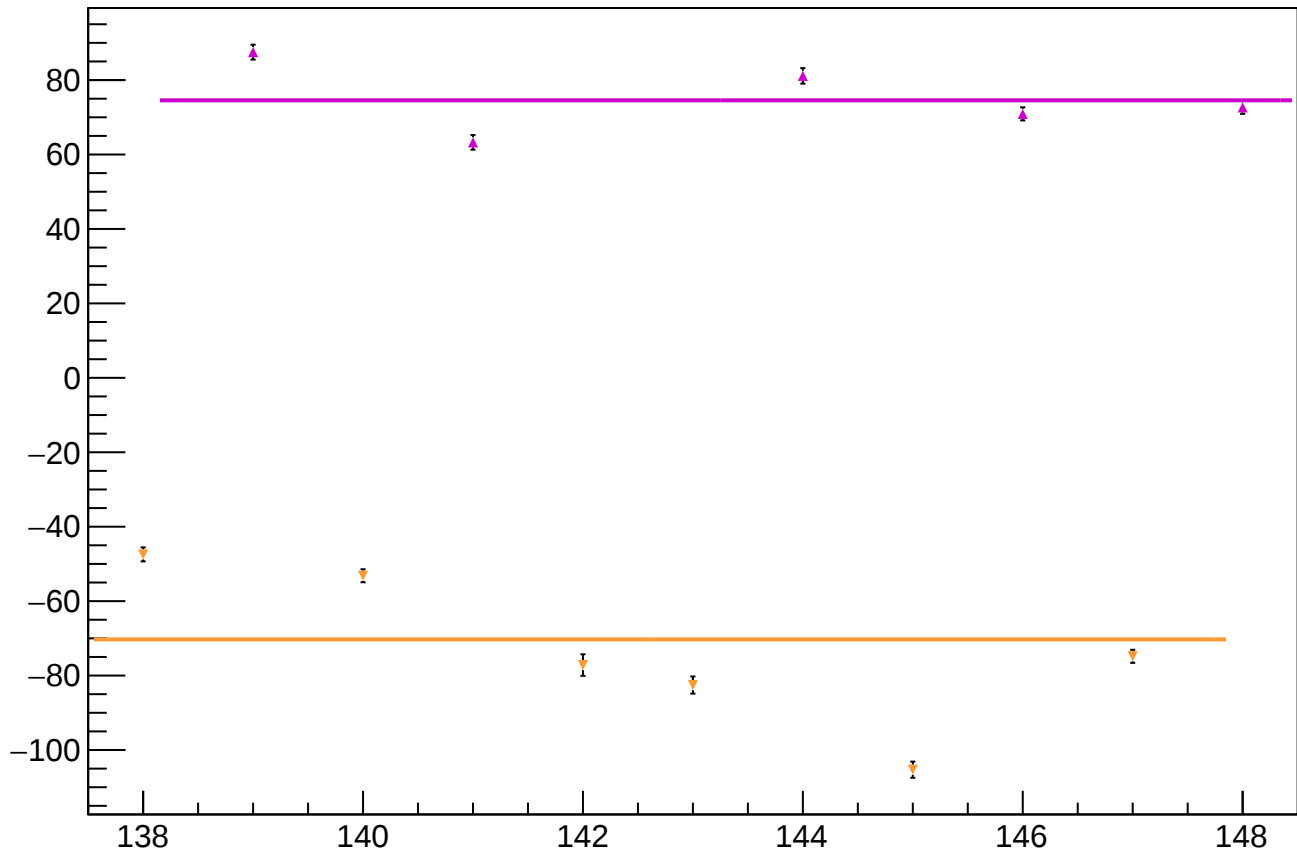
Left In: 47.138 ± 0.036 χ^2/NDF : 73828.4/4

-43.847 ± 0.025 χ^2/NDF : 142778.2/20

2.017 ± 0.017 χ^2/NDF : 6976678.1/44

43.993 ± 0.024 χ^2/NDF : 181630.8/23

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -70.286+/-0.831 χ^2/NDF : 542.2/5

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

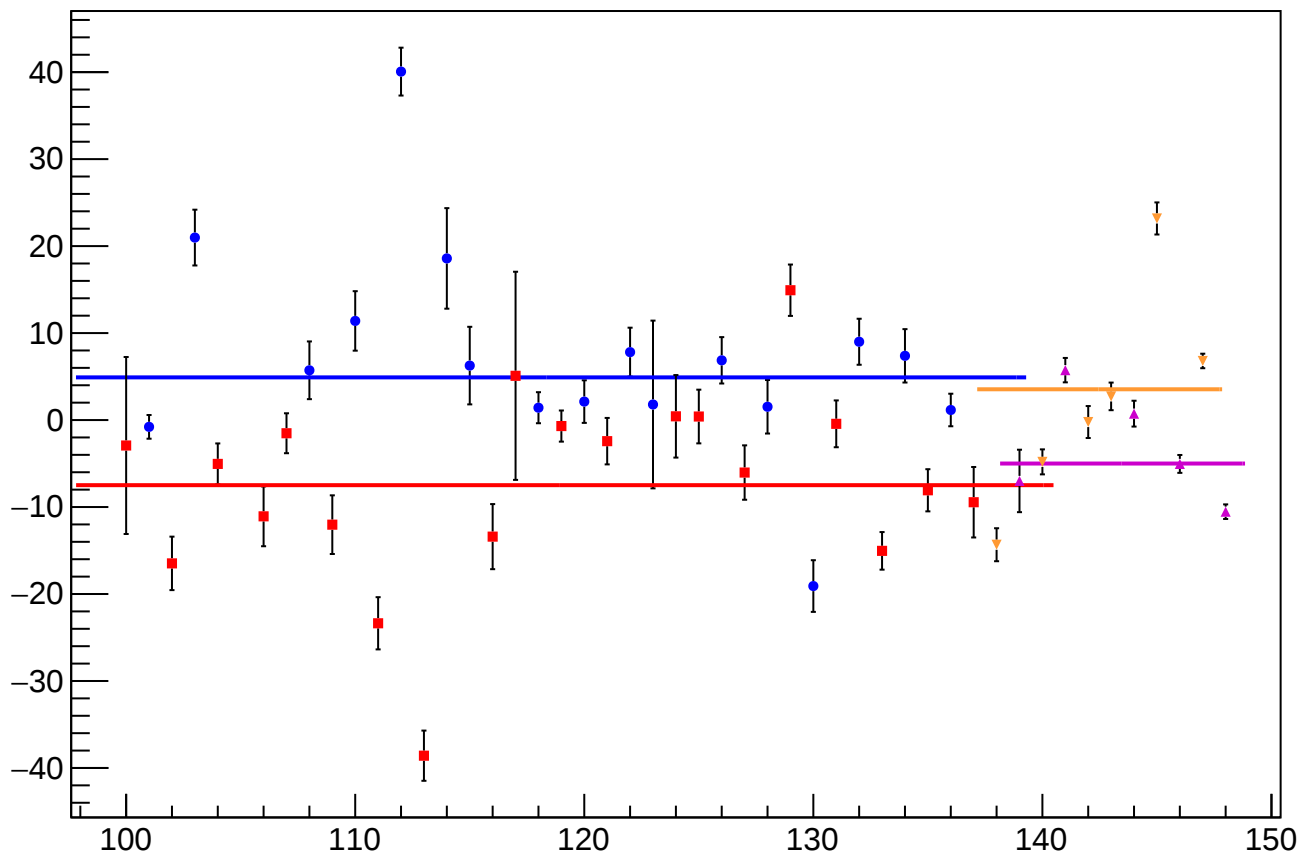
Left In: 74.563+/-0.848 χ^2/NDF : 90.1/4

-70.286+/-0.831 χ^2/NDF : 542.2/5

0.693+/-0.593 χ^2/NDF : 15529.3/10

74.563+/-0.848 χ^2/NDF : 90.1/4

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 3.538 ± 0.560 χ^2/NDF : 255.6/5

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

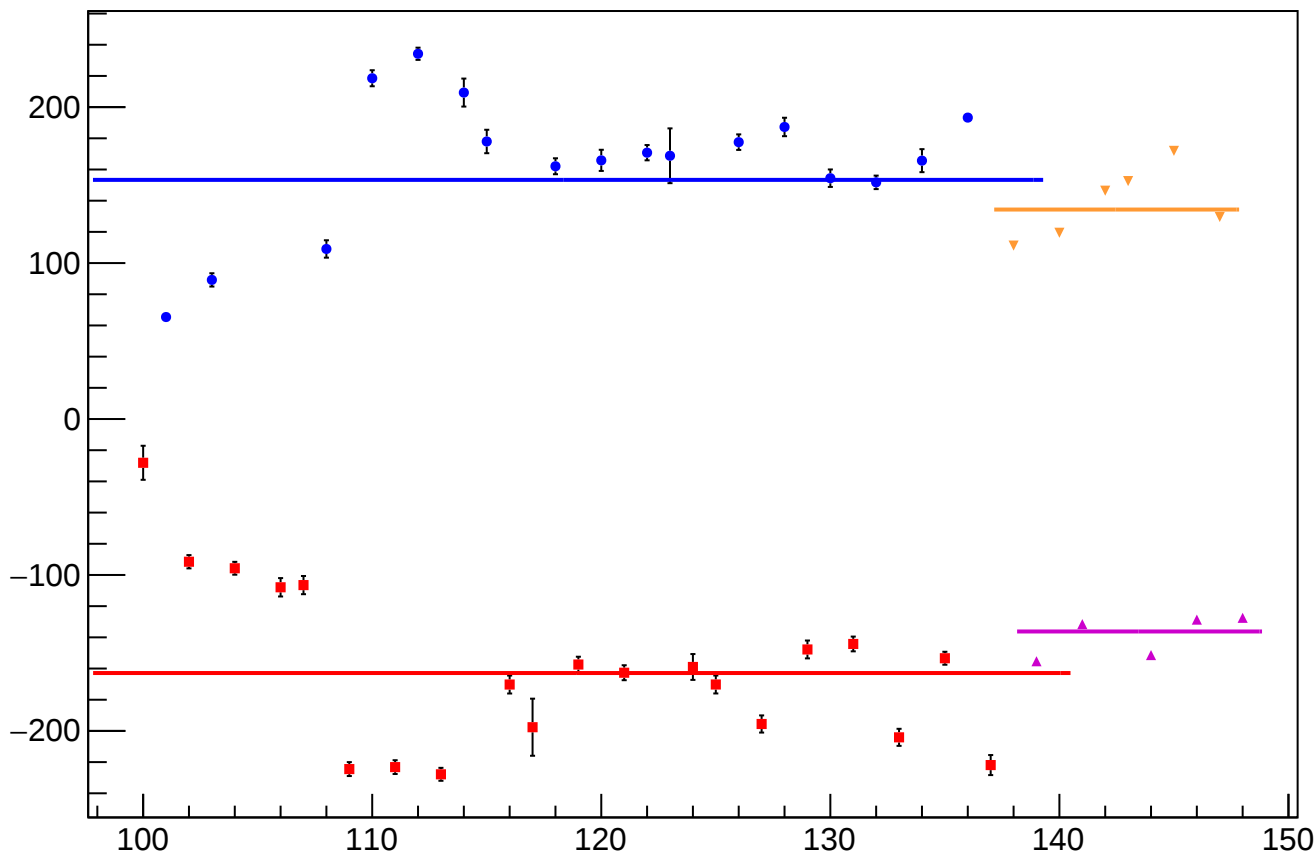
Left In: -4.999 ± 0.542 χ^2/NDF : 117.3/4

4.145 ± 0.418 χ^2/NDF : 553.7/22

-0.960 ± 0.295 χ^2/NDF : 1248.3/47

-6.020 ± 0.416 χ^2/NDF : 397.6/24

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350+/-1.150 χ^2/NDF : 2268.3/16

Left Out: 134.324+/-0.857 χ^2/NDF : 545.0/5

Right Out: -162.878+/-1.174 χ^2/NDF : 1712.4/19

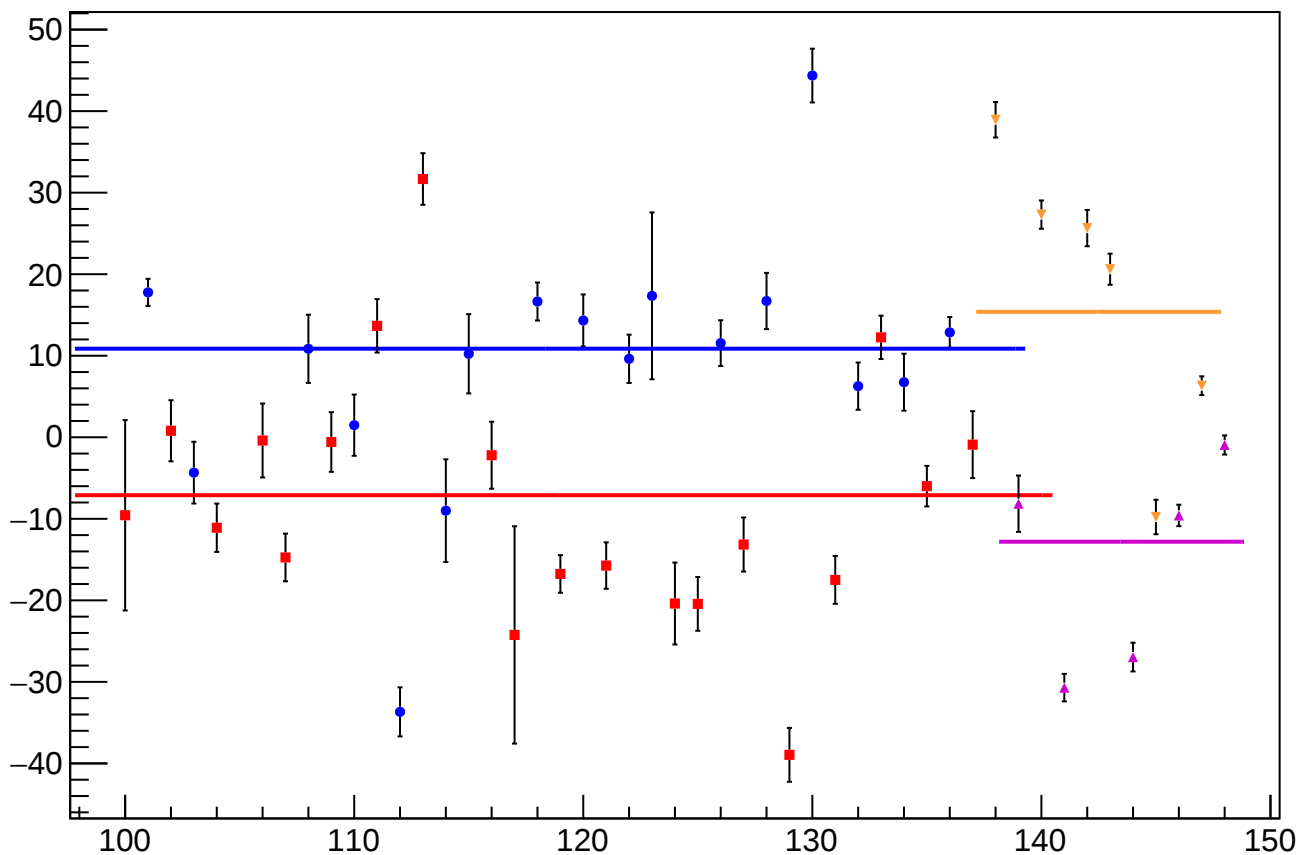
Left In: -136.235+/-0.853 χ^2/NDF : 177.8/4

141.120+/-0.687 χ^2/NDF : 2989.1/22

-1.544+/-0.487 χ^2/NDF : 91728.7/47

-145.441+/-0.690 χ^2/NDF : 2227.0/24

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: 15.384 $\pm$ 0.707 χ^2/NDF : 397.8/5

Right Out: -7.106 $\pm$ 0.746 χ^2/NDF : 426.4/19

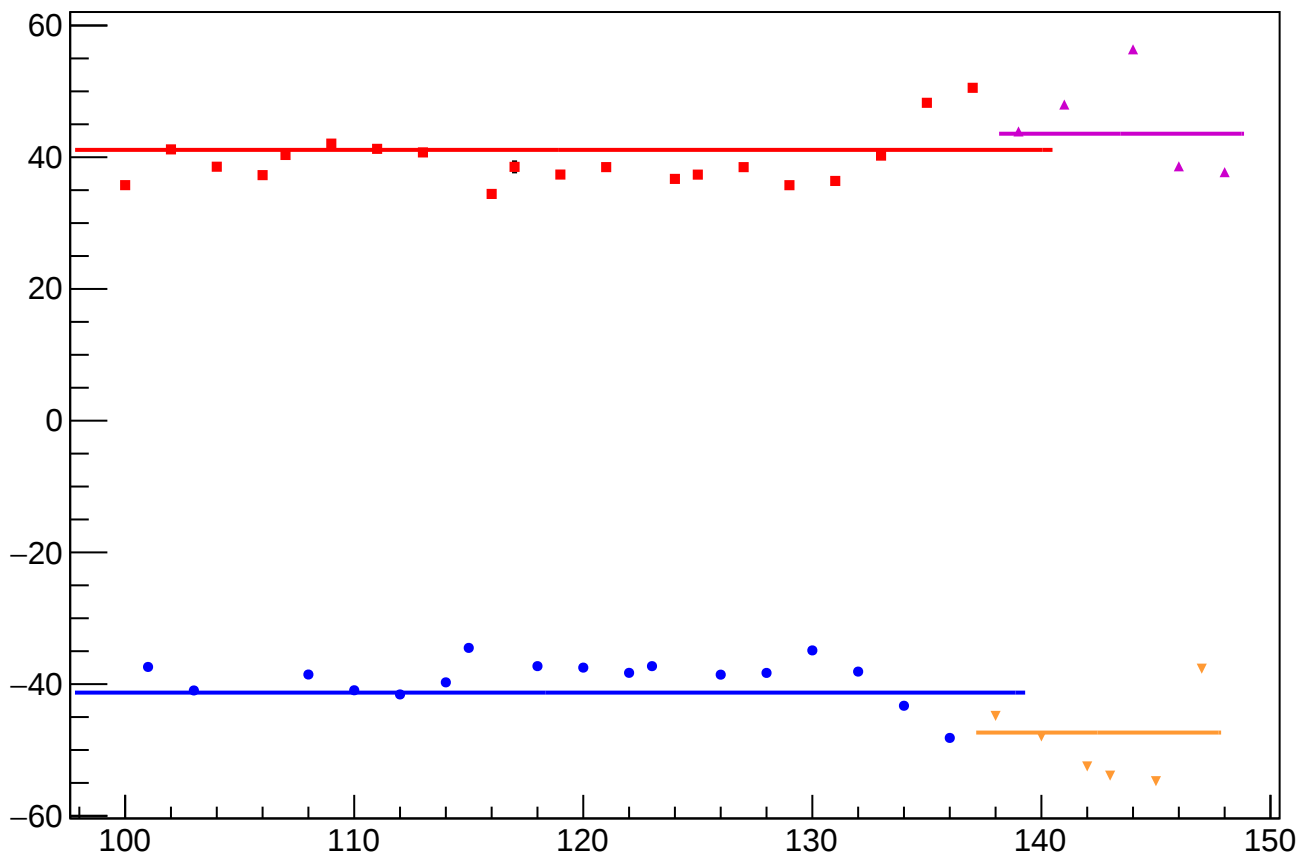
Left In: -12.807 $\pm$ 0.697 χ^2/NDF : 286.9/4

13.165 $\pm$ 0.504 χ^2/NDF : 805.8/22

1.625 $\pm$ 0.358 χ^2/NDF : 2608.9/47

-10.152 $\pm$ 0.509 χ^2/NDF : 744.4/24

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 ± 0.039 χ^2/NDF : 12509.1/16

Left Out: -47.355 ± 0.036 χ^2/NDF : 29635.0/5

Right Out: 41.115 ± 0.039 χ^2/NDF : 12120.1/19

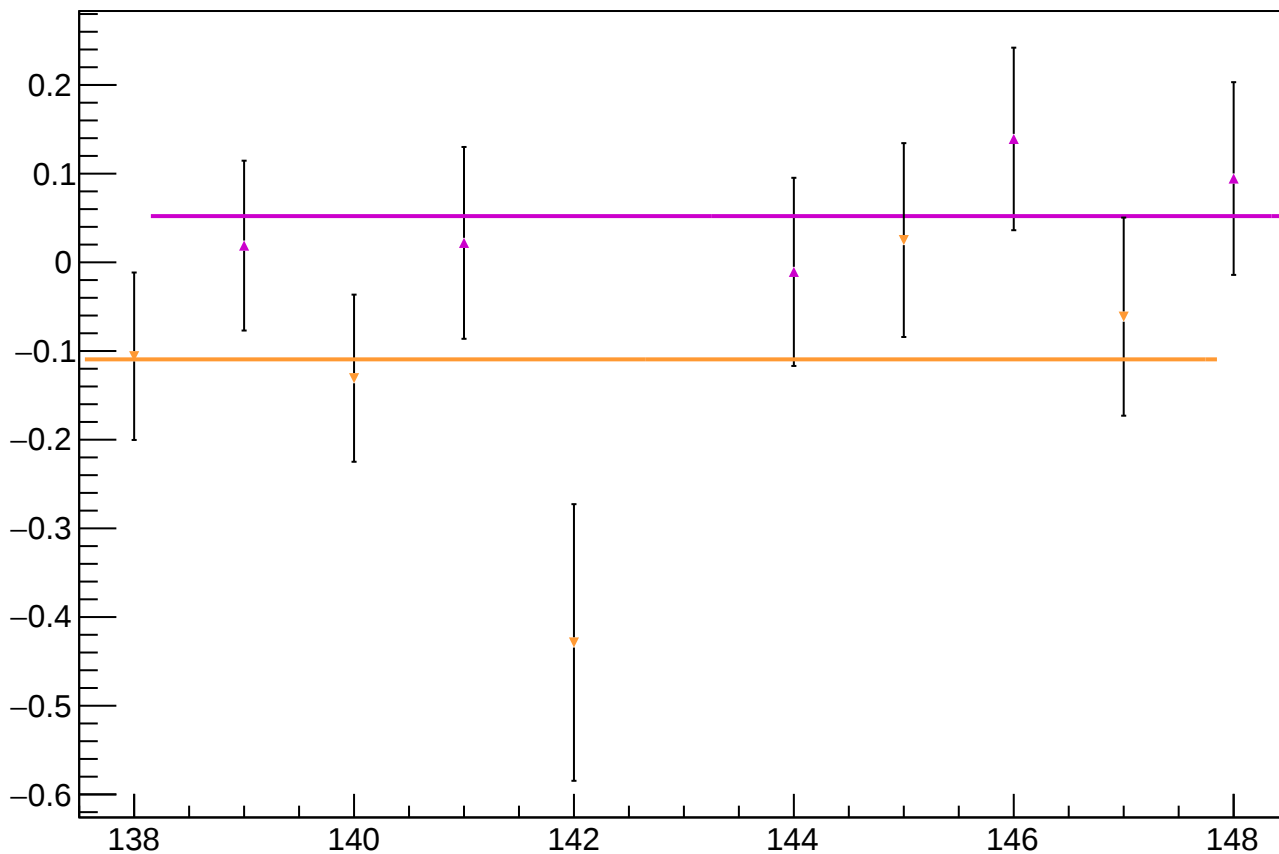
Left In: 43.568 ± 0.036 χ^2/NDF : 31123.3/4

-44.515 ± 0.026 χ^2/NDF : 55274.4/22

-0.639 ± 0.019 χ^2/NDF : 5568792.5/47

42.442 ± 0.026 χ^2/NDF : 45425.4/24

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.109 $\pm$ 0.048 χ^2 /NDF: 5.9/4

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

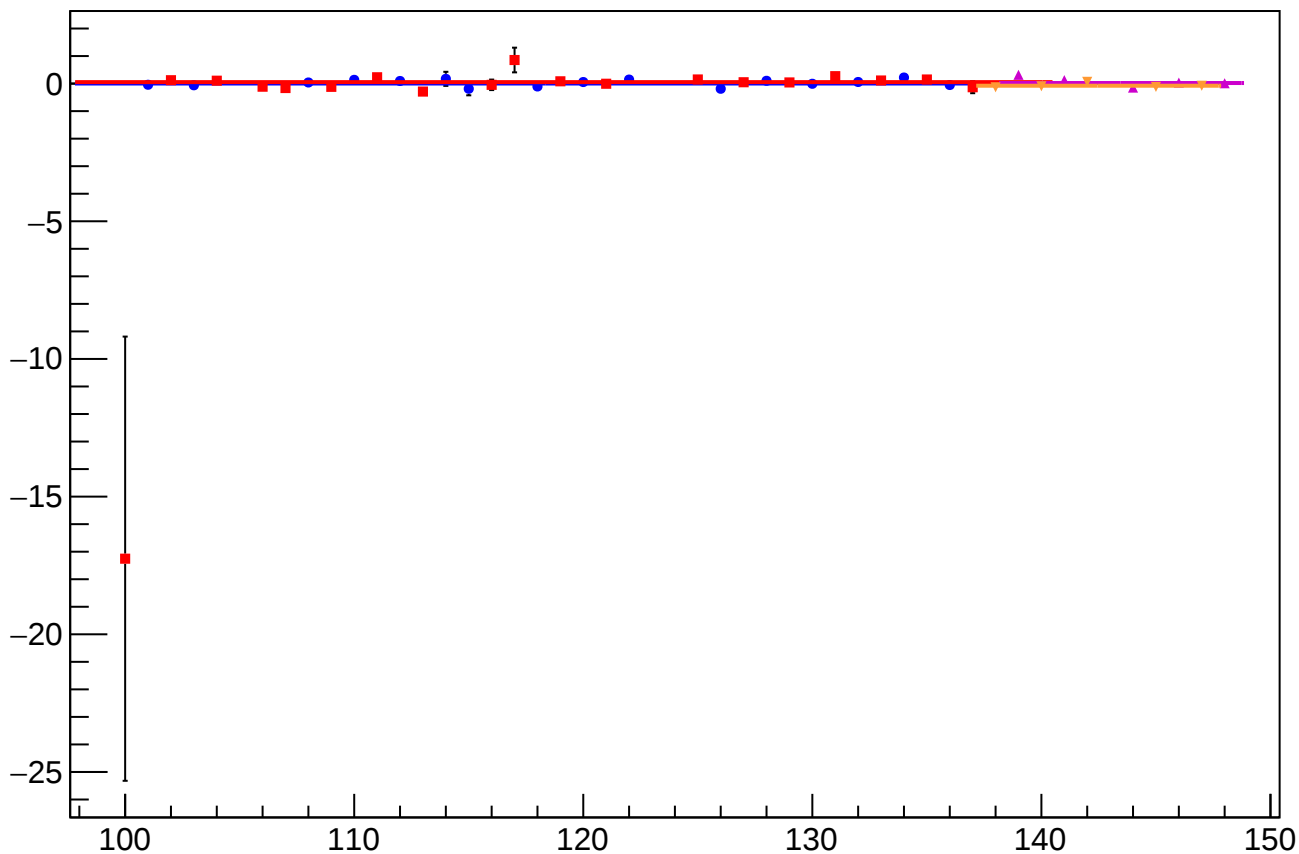
Left In: 0.052 $\pm$ 0.046 χ^2 /NDF: 1.4/4

-0.109 $\pm$ 0.048 χ^2 /NDF: 5.9/4

-0.026 $\pm$ 0.033 χ^2 /NDF: 13.2/9

0.052 $\pm$ 0.046 χ^2 /NDF: 1.4/4

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.077 ± 0.035 χ^2/NDF : 2.6/4

Right Out: 0.053 ± 0.029 χ^2/NDF : 28.8/18

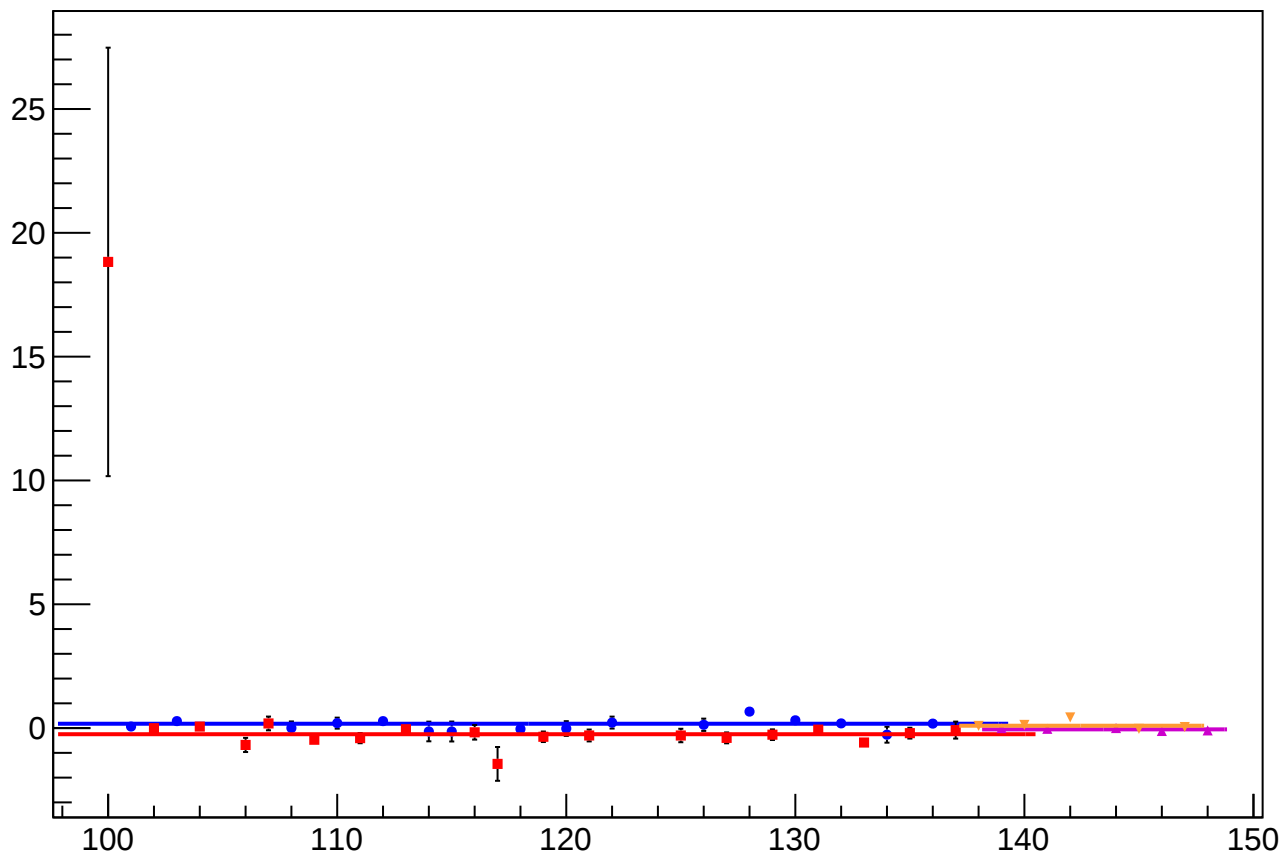
Left In: 0.021 ± 0.032 χ^2/NDF : 9.7/4

-0.029 ± 0.022 χ^2/NDF : 18.3/20

0.005 ± 0.015 χ^2/NDF : 62.2/44

0.038 ± 0.021 χ^2/NDF : 39.1/23

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 ± 0.053 $\chi^2/\text{NDF}: 13.0/15$

Left Out: 0.096 ± 0.050 $\chi^2/\text{NDF}: 5.6/4$

Right Out: -0.247 ± 0.054 $\chi^2/\text{NDF}: 24.7/18$

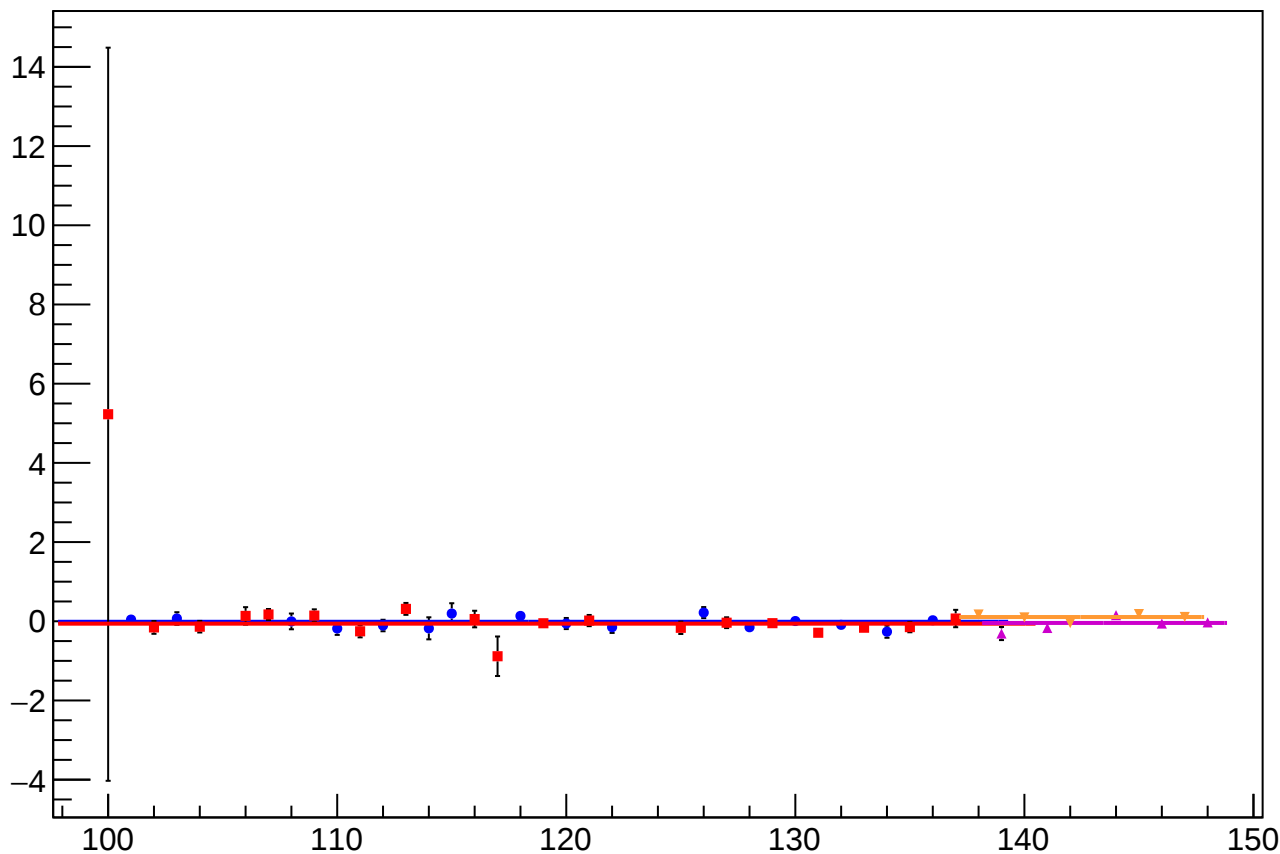
Left In: -0.052 ± 0.047 $\chi^2/\text{NDF}: 1.1/4$

0.134 ± 0.036 $\chi^2/\text{NDF}: 19.8/20$

-0.004 ± 0.025 $\chi^2/\text{NDF}: 81.6/44$

-0.137 ± 0.036 $\chi^2/\text{NDF}: 33.3/23$

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.107 ± 0.043 χ^2/NDF : 2.5/4

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

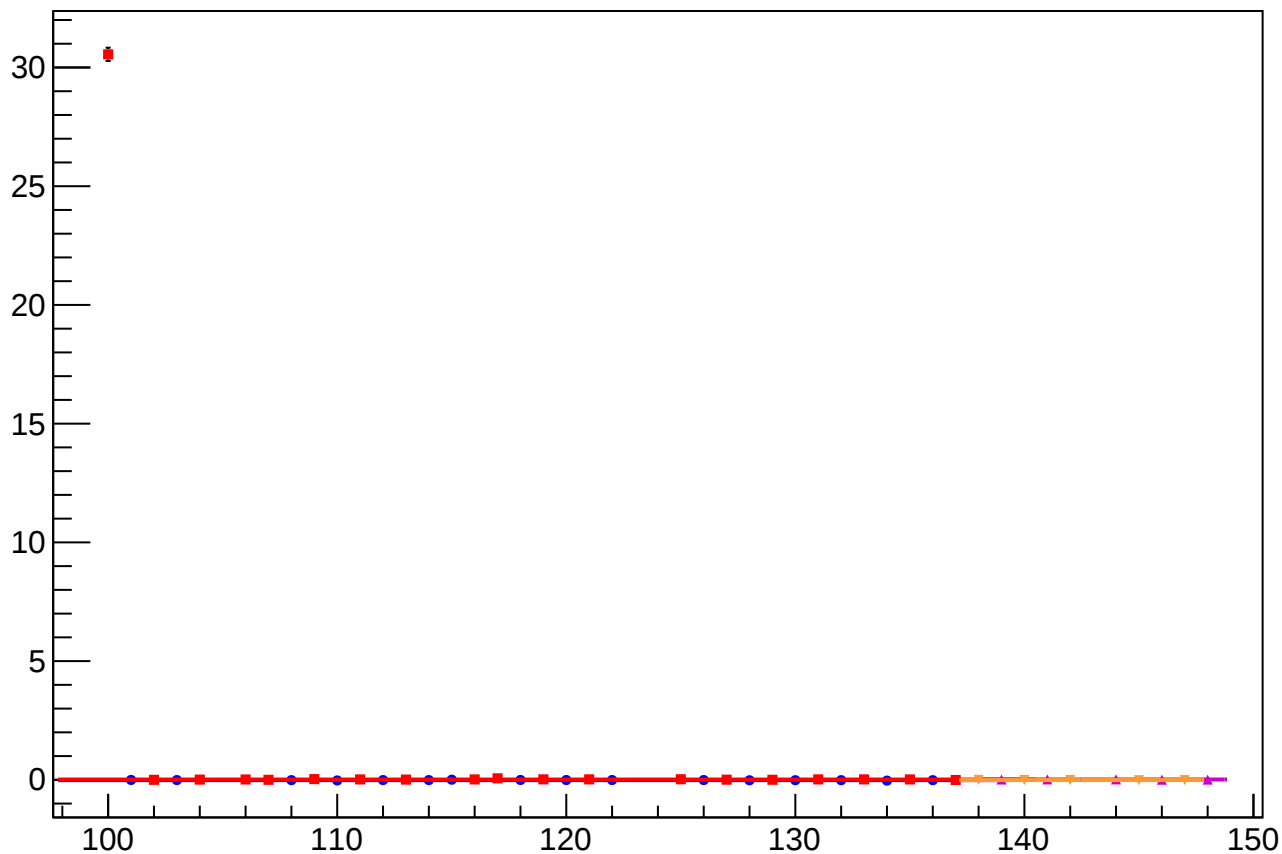
Left In: -0.042 ± 0.040 χ^2/NDF : 9.3/4

0.031 ± 0.026 χ^2/NDF : 21.1/20

-0.011 ± 0.018 χ^2/NDF : 58.8/44

-0.053 ± 0.026 χ^2/NDF : 32.5/23

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.010 ± 0.002 χ^2/NDF : 7.1/4

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

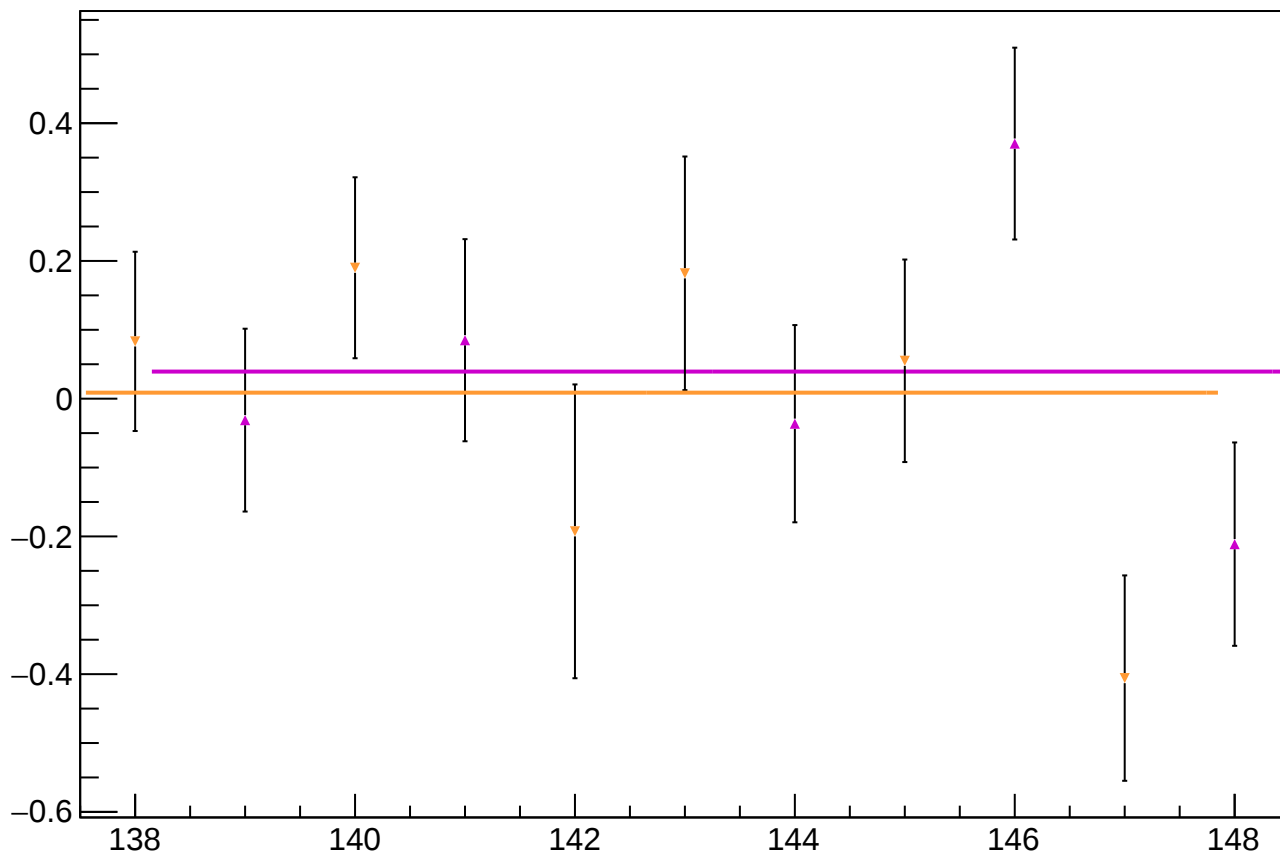
Left In: 0.014 ± 0.002 χ^2/NDF : 5.7/4

-0.011 ± 0.001 χ^2/NDF : 20.6/20

0.001 ± 0.001 χ^2/NDF : 12078.0/44

0.013 ± 0.001 χ^2/NDF : 11900.0/23

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 0.009 $\pm$ 0.061 χ^2 /NDF: 12.0/5

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

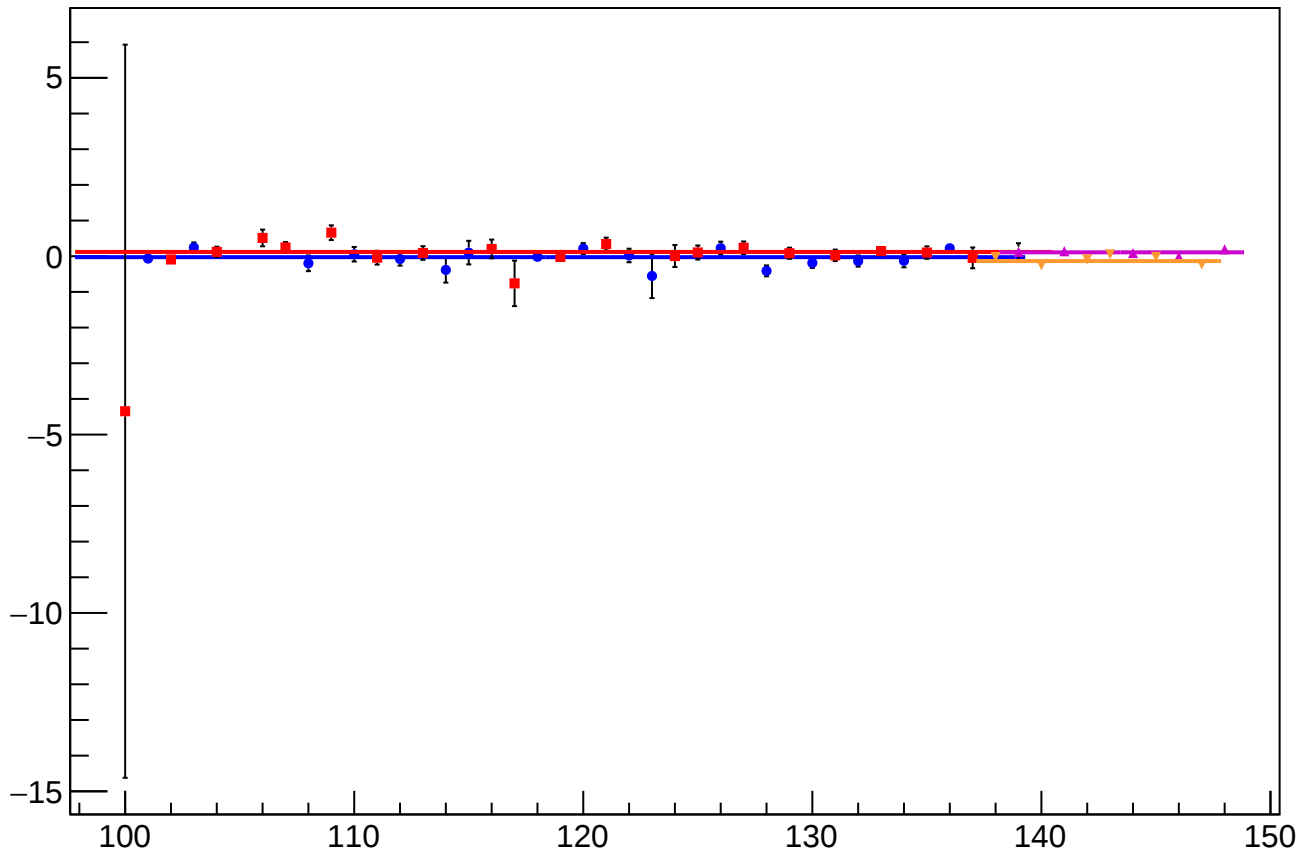
Left In: 0.039 $\pm$ 0.063 χ^2 /NDF: 9.2/4

0.009 $\pm$ 0.061 χ^2 /NDF: 12.0/5

0.024 $\pm$ 0.044 χ^2 /NDF: 21.3/10

0.039 $\pm$ 0.063 χ^2 /NDF: 9.2/4

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 $\chi^2/\text{NDF}: 22.7/16$

Left Out: -0.136 ± 0.044 $\chi^2/\text{NDF}: 7.3/5$

Right Out: 0.120 ± 0.039 $\chi^2/\text{NDF}: 20.2/19$

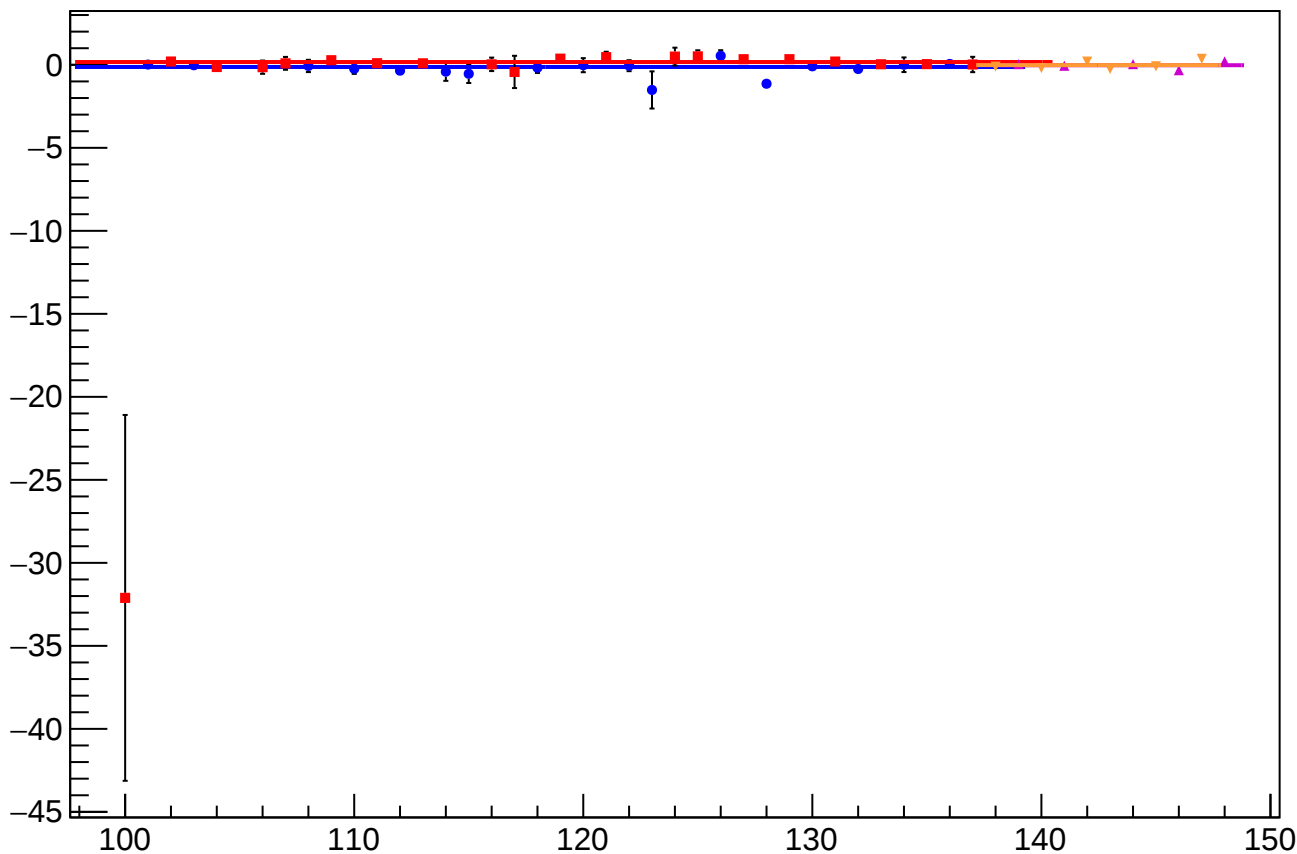
Left In: 0.109 ± 0.043 $\chi^2/\text{NDF}: 3.7/4$

-0.072 ± 0.028 $\chi^2/\text{NDF}: 33.7/22$

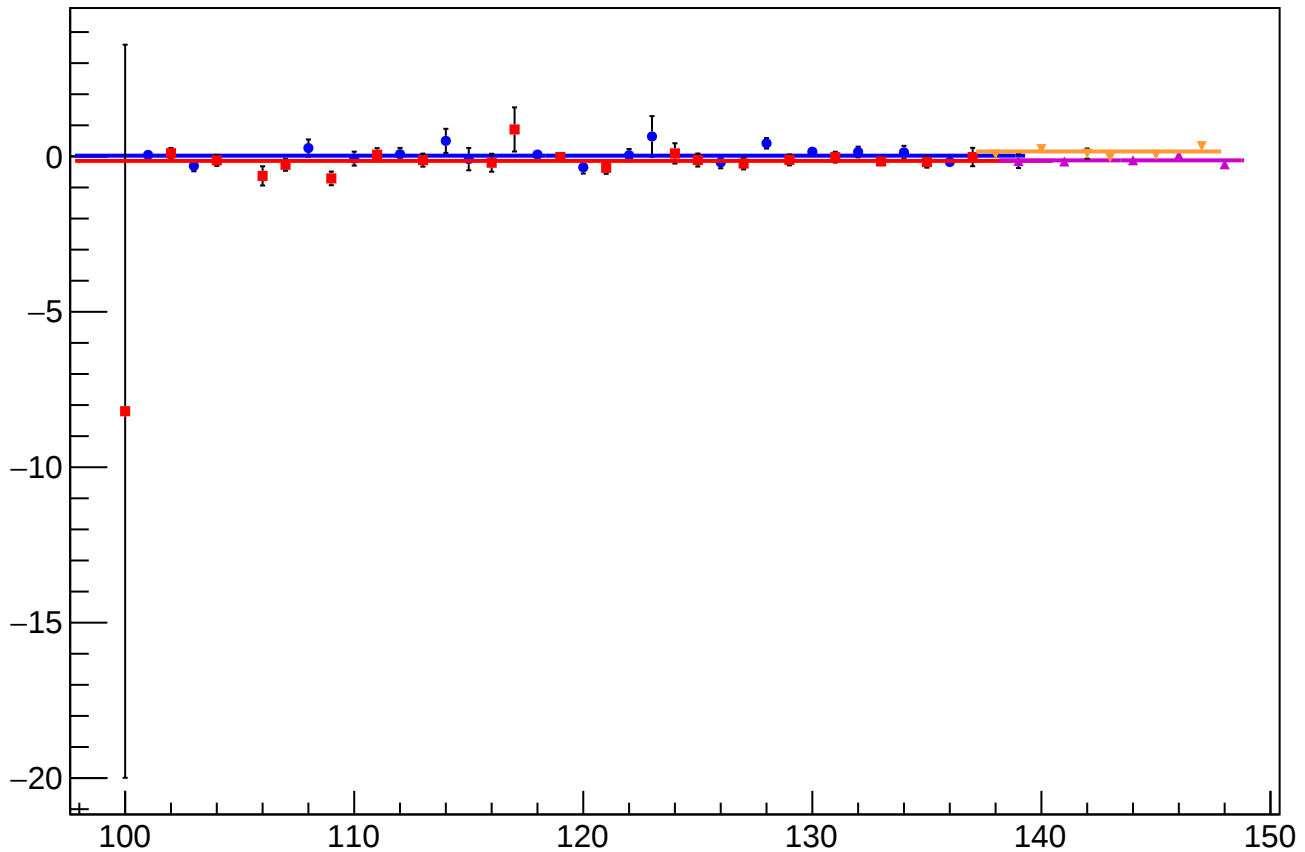
0.019 ± 0.020 $\chi^2/\text{NDF}: 79.1/47$

0.115 ± 0.029 $\chi^2/\text{NDF}: 24.0/24$

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.159 ± 0.054 χ^2/NDF : 6.6/5

Right Out: -0.144 ± 0.045 χ^2/NDF : 18.6/19

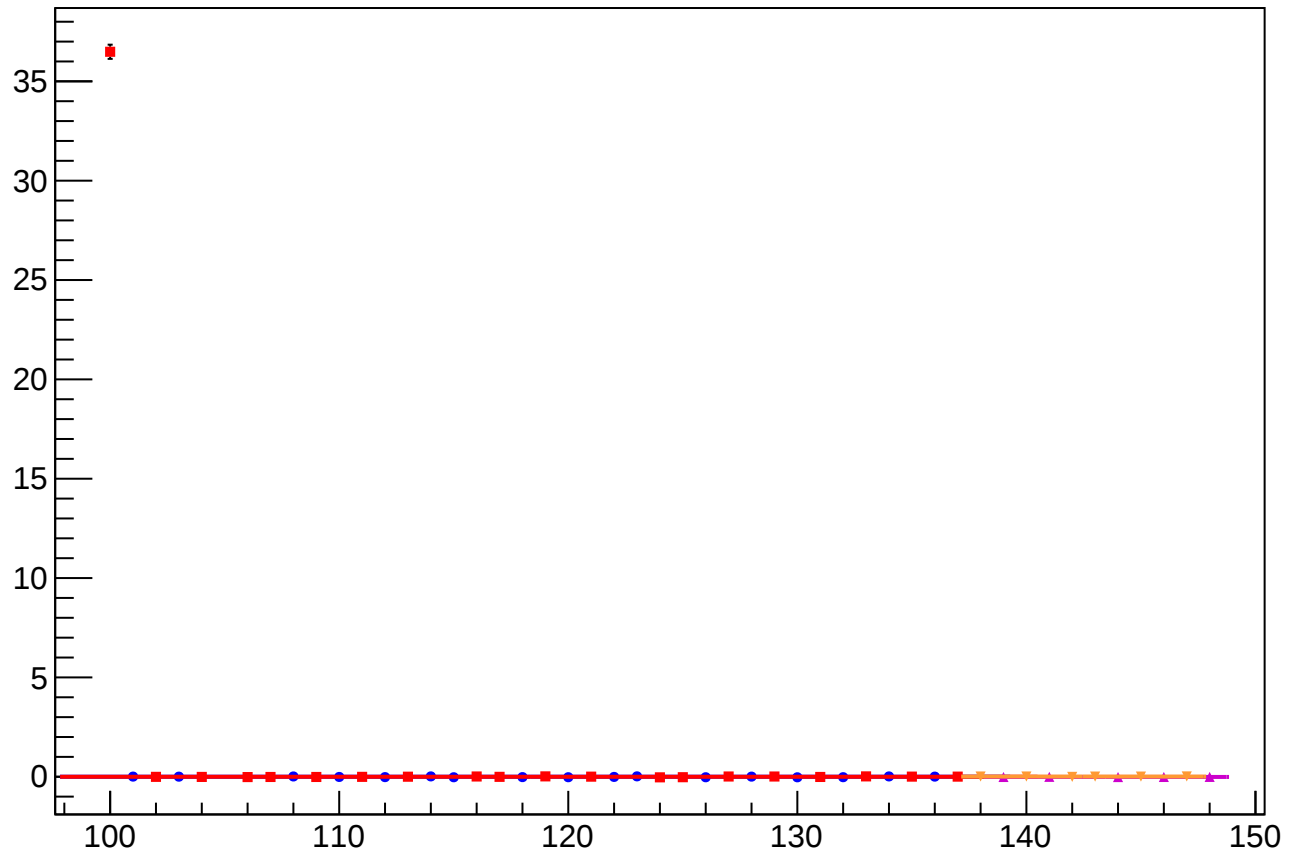
Left In: -0.127 ± 0.054 χ^2/NDF : 4.1/4

0.075 ± 0.033 χ^2/NDF : 31.8/22

-0.027 ± 0.024 χ^2/NDF : 73.9/47

-0.137 ± 0.035 χ^2/NDF : 22.8/24

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 ± 0.002 χ^2/NDF : 30.6/16

Left Out: 0.010 ± 0.003 χ^2/NDF : 4.3/5

Right Out: -0.001 ± 0.002 χ^2/NDF : 10449.1/19

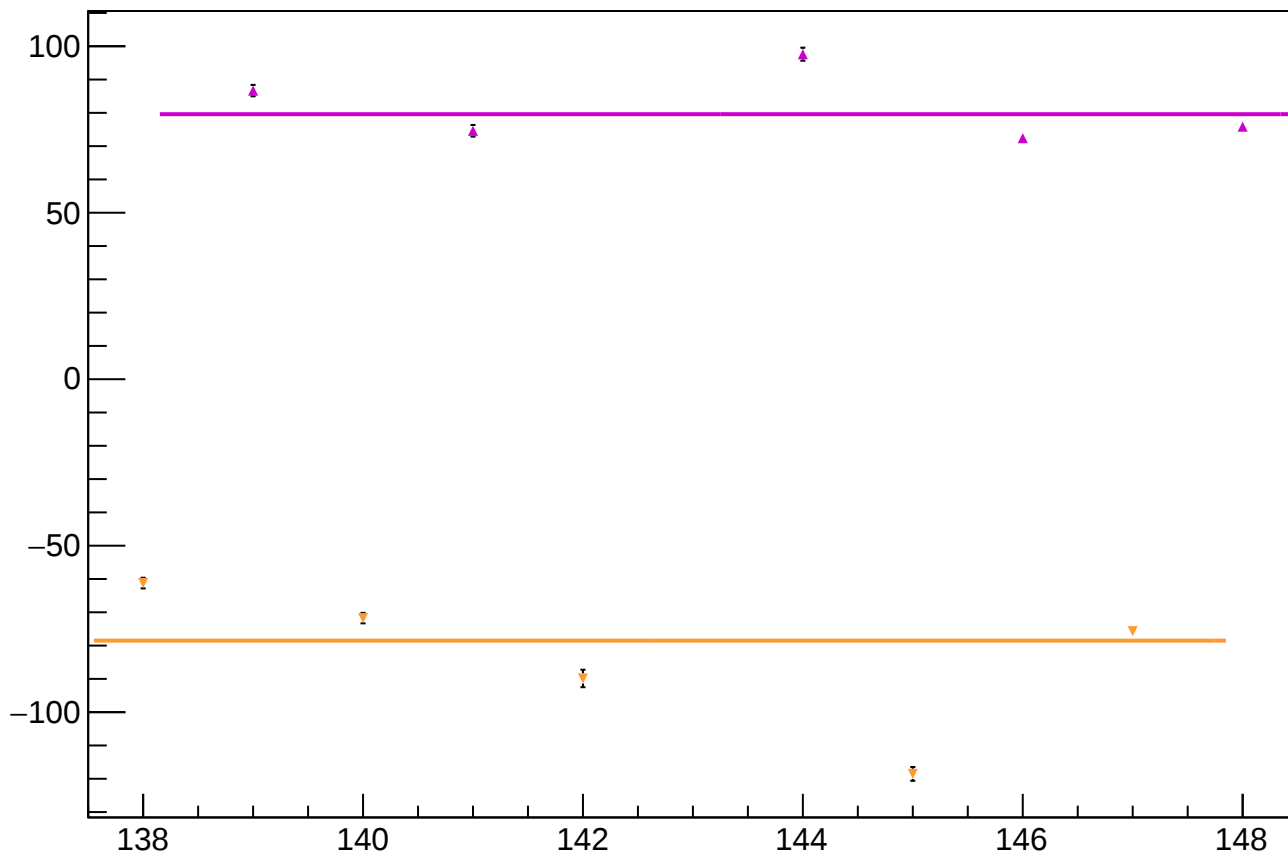
Left In: -0.010 ± 0.003 χ^2/NDF : 1.9/4

0.005 ± 0.002 χ^2/NDF : 40.8/22

0.000 ± 0.001 χ^2/NDF : 10513.4/47

-0.005 ± 0.002 χ^2/NDF : 10457.2/24

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -78.513+/-0.770 χ^2/NDF : 529.7/4

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

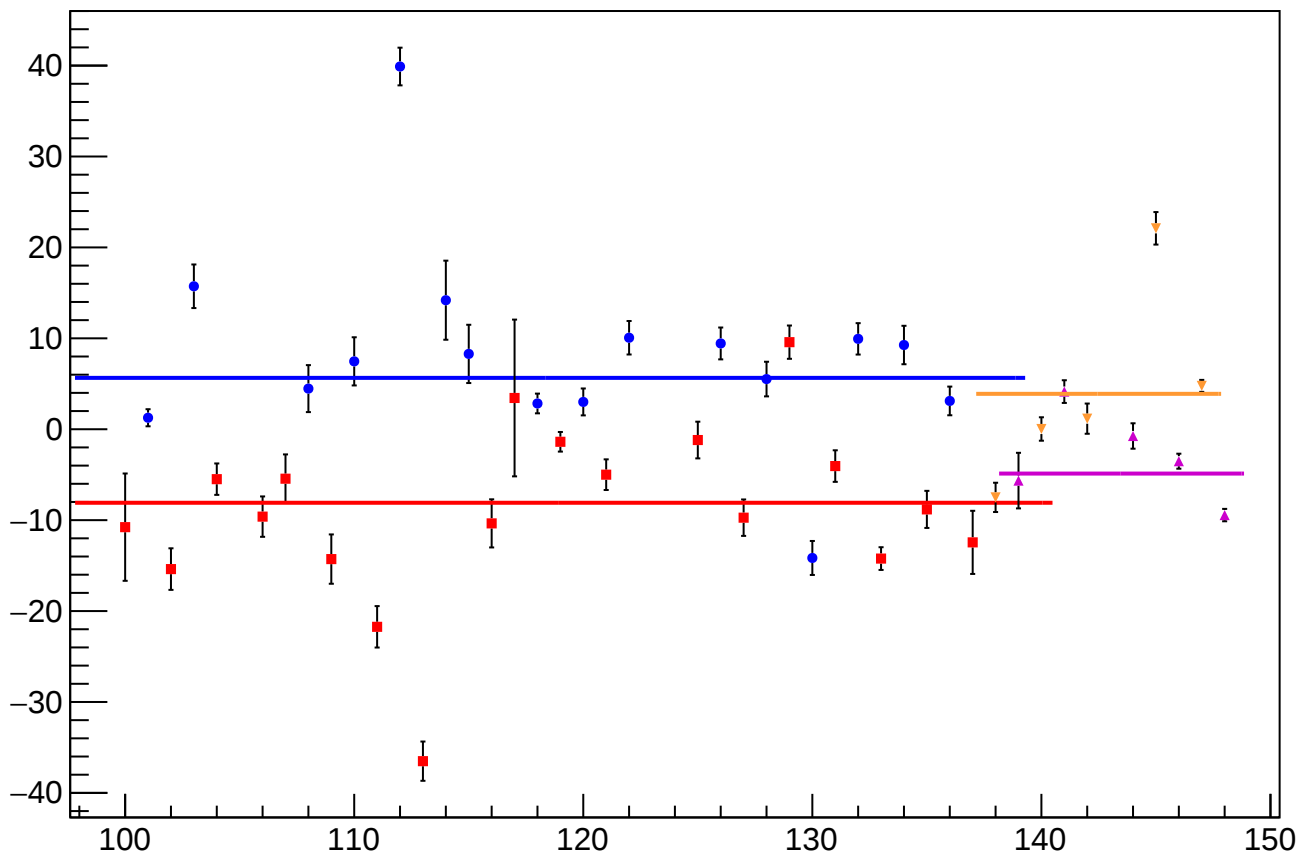
Left In: 79.594+/-0.721 χ^2/NDF : 141.9/4

-78.513+/-0.770 χ^2/NDF : 529.7/4

5.729+/-0.526 χ^2/NDF : 23152.9/9

79.594+/-0.721 χ^2/NDF : 141.9/4

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: 3.895 ± 0.502 χ^2/NDF : 167.1/4

Right Out: -8.087 ± 0.452 χ^2/NDF : 409.7/18

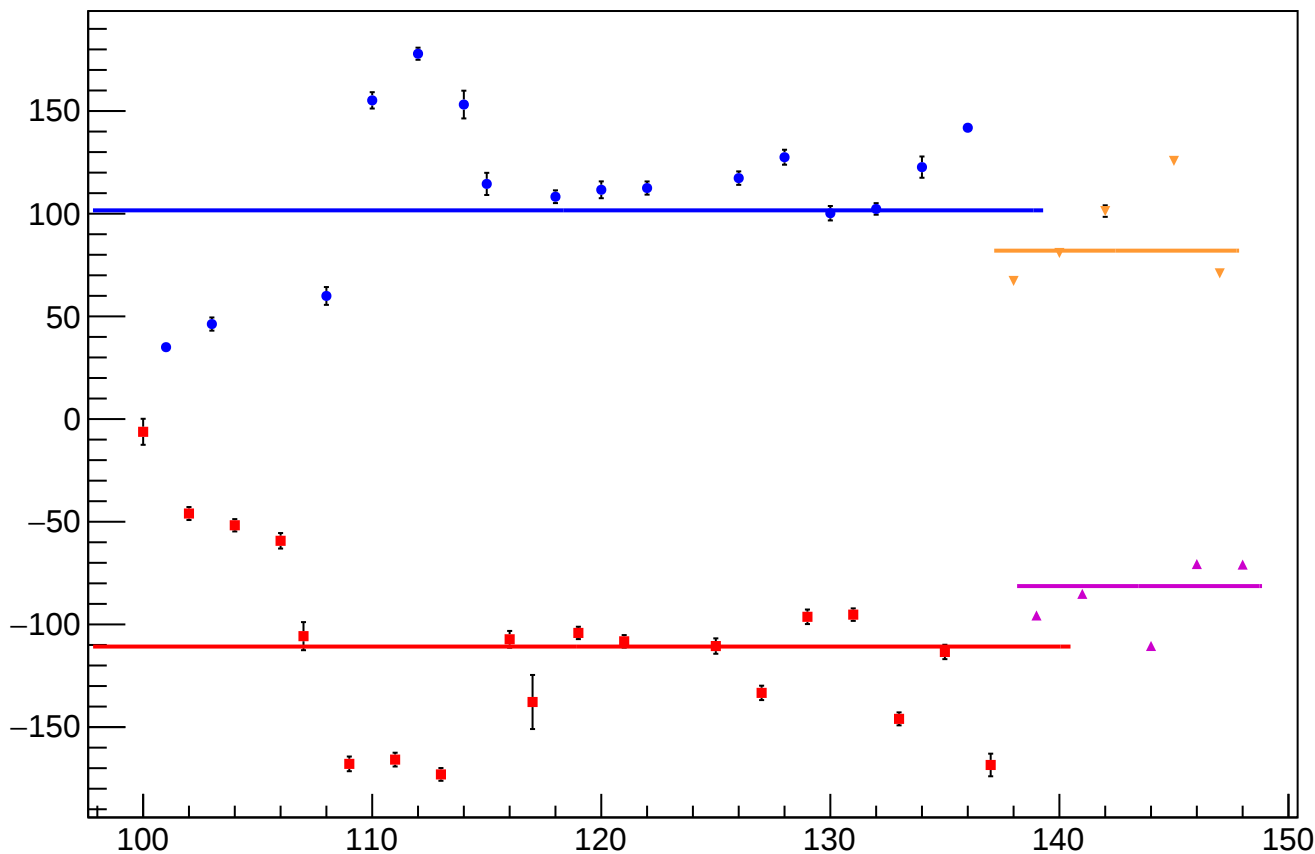
Left In: -4.876 ± 0.453 χ^2/NDF : 108.5/4

4.910 ± 0.326 χ^2/NDF : 636.1/20

-0.900 ± 0.228 χ^2/NDF : 1801.4/44

-6.485 ± 0.320 χ^2/NDF : 543.4/23

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 +/- 0.812 χ^2/NDF : 2980.2/15

Left Out: 82.009 +/- 0.785 χ^2/NDF : 603.8/4

Right Out: -110.778 +/- 0.834 χ^2/NDF : 2518.3/18

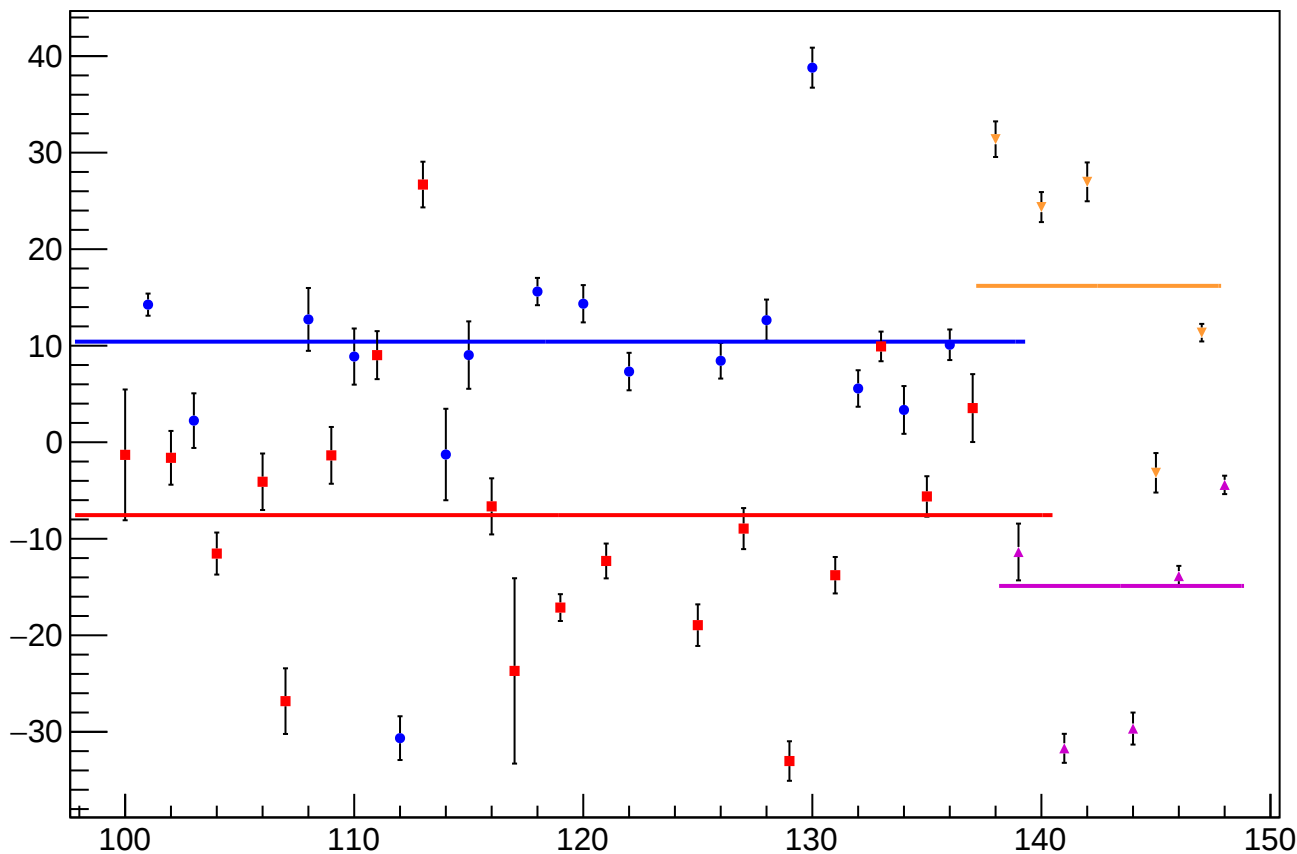
Left In: -81.328 +/- 0.721 χ^2/NDF : 381.3/4

91.487 +/- 0.564 χ^2/NDF : 3885.8/20

-4.330 +/- 0.392 χ^2/NDF : 63271.9/44

-93.926 +/- 0.546 χ^2/NDF : 3612.3/23

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: 16.200+/-0.645 χ^2/NDF : 242.1/4

Right Out: -7.550+/-0.522 χ^2/NDF : 692.3/18

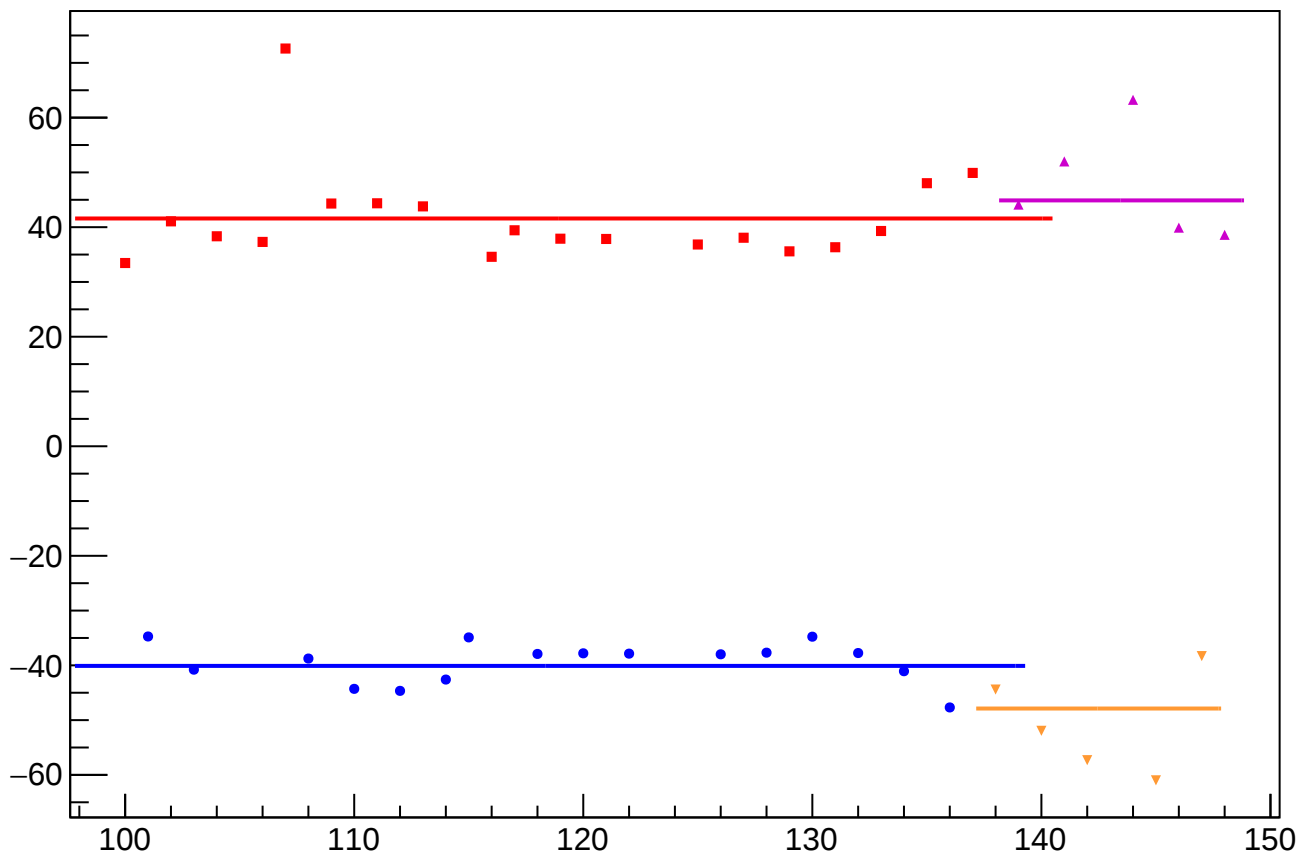
Left In: -14.885+/-0.586 χ^2/NDF : 327.5/4

12.575+/-0.394 χ^2/NDF : 872.2/20

0.768+/-0.277 χ^2/NDF : 3758.4/44

-10.801+/-0.390 χ^2/NDF : 1107.1/23

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 $\pm$ 0.028 χ^2/NDF : 25073.4/15

Left Out: -47.883 $\pm$ 0.034 χ^2/NDF : 60702.7/4

Right Out: 41.588 $\pm$ 0.029 χ^2/NDF : 61690.5/18

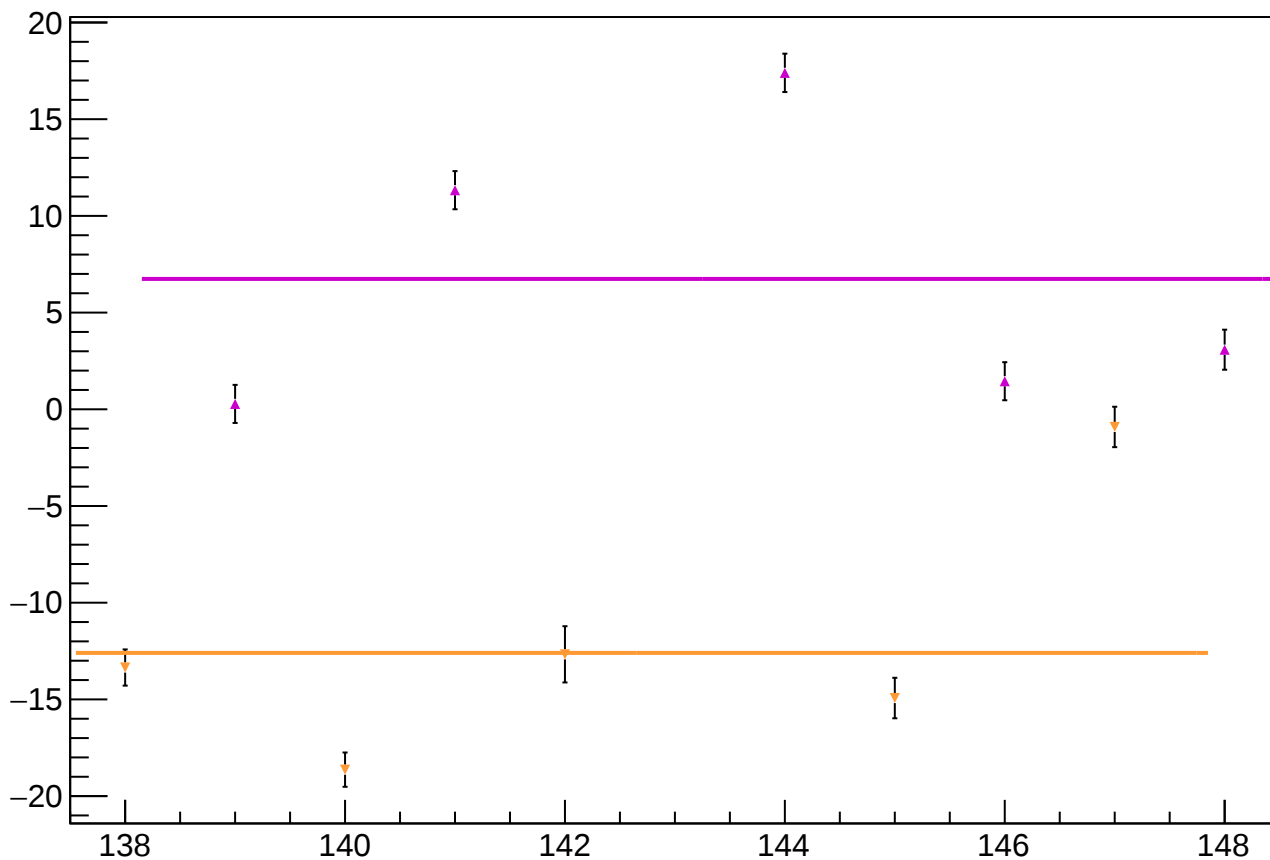
Left In: 44.888 $\pm$ 0.030 χ^2/NDF : 67419.1/4

-43.322 $\pm$ 0.022 χ^2/NDF : 117072.7/20

1.812 $\pm$ 0.015 χ^2/NDF : 8560267.8/44

43.148 $\pm$ 0.021 χ^2/NDF : 135422.3/23

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -12.596+/-0.460 χ^2/NDF : 177.1/4

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

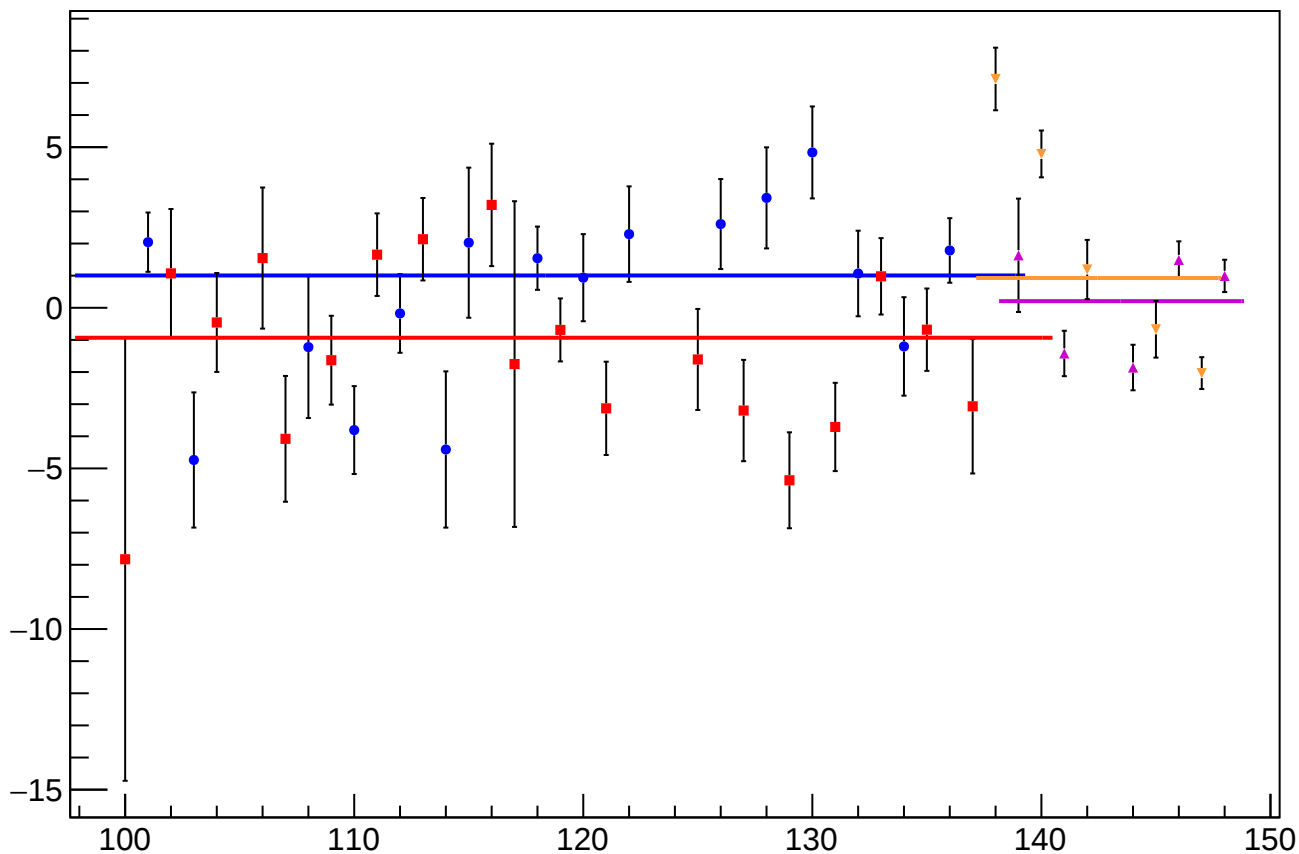
Left In: 6.741+/-0.445 χ^2/NDF : 221.5/4

-12.596+/-0.460 χ^2/NDF : 177.1/4

-2.606+/-0.320 χ^2/NDF : 1309.7/9

6.741+/-0.445 χ^2/NDF : 221.5/4

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 0.928 ± 0.325 $\chi^2/\text{NDF}: 107.5/4$

Right Out: -0.933 ± 0.352 $\chi^2/\text{NDF}: 41.9/18$

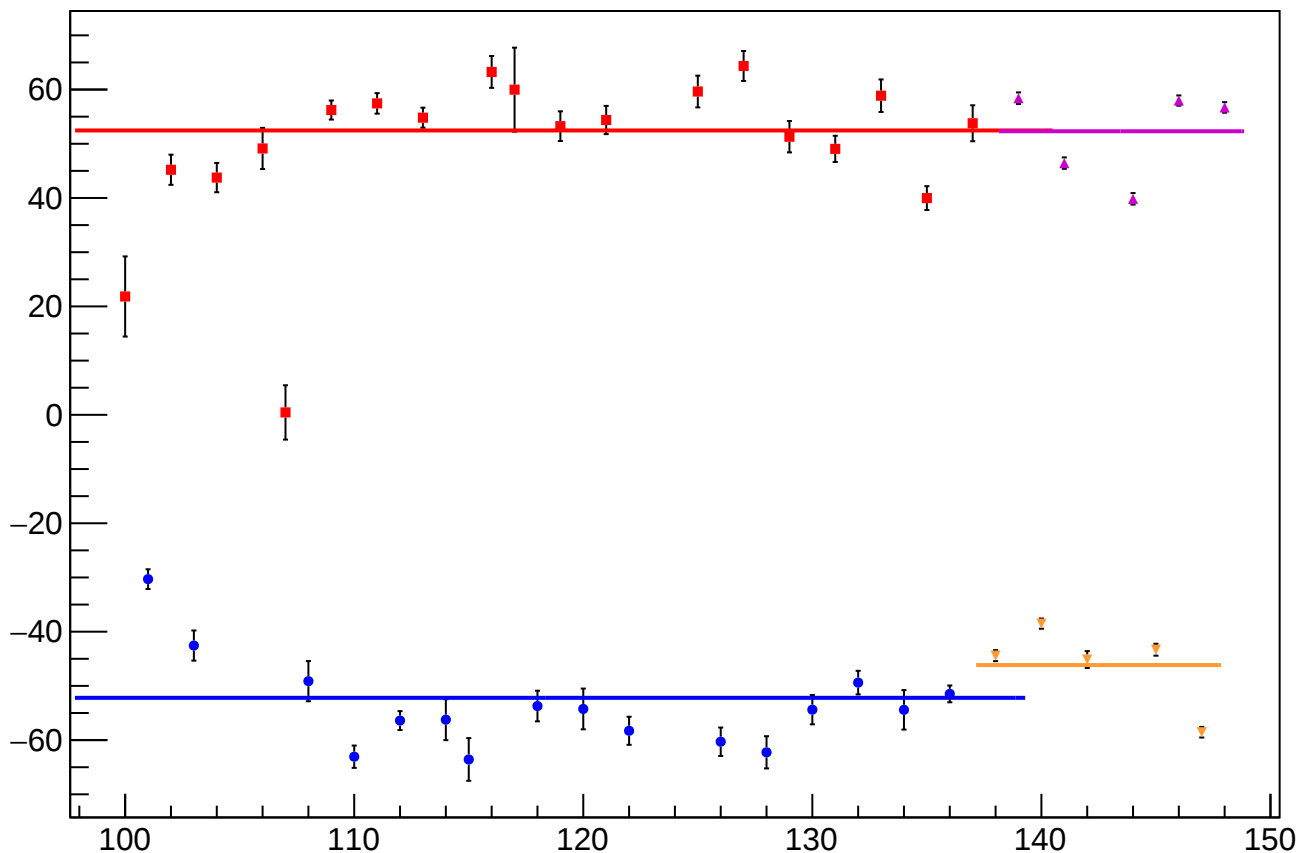
Left In: 0.207 ± 0.298 $\chi^2/\text{NDF}: 21.8/4$

0.965 ± 0.235 $\chi^2/\text{NDF}: 150.3/20$

0.327 ± 0.164 $\chi^2/\text{NDF}: 234.3/44$

-0.269 ± 0.228 $\chi^2/\text{NDF}: 69.8/23$

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: -46.156 ± 0.478 χ^2/NDF : 236.8/4

Right Out: 52.455 ± 0.614 χ^2/NDF : 234.8/18

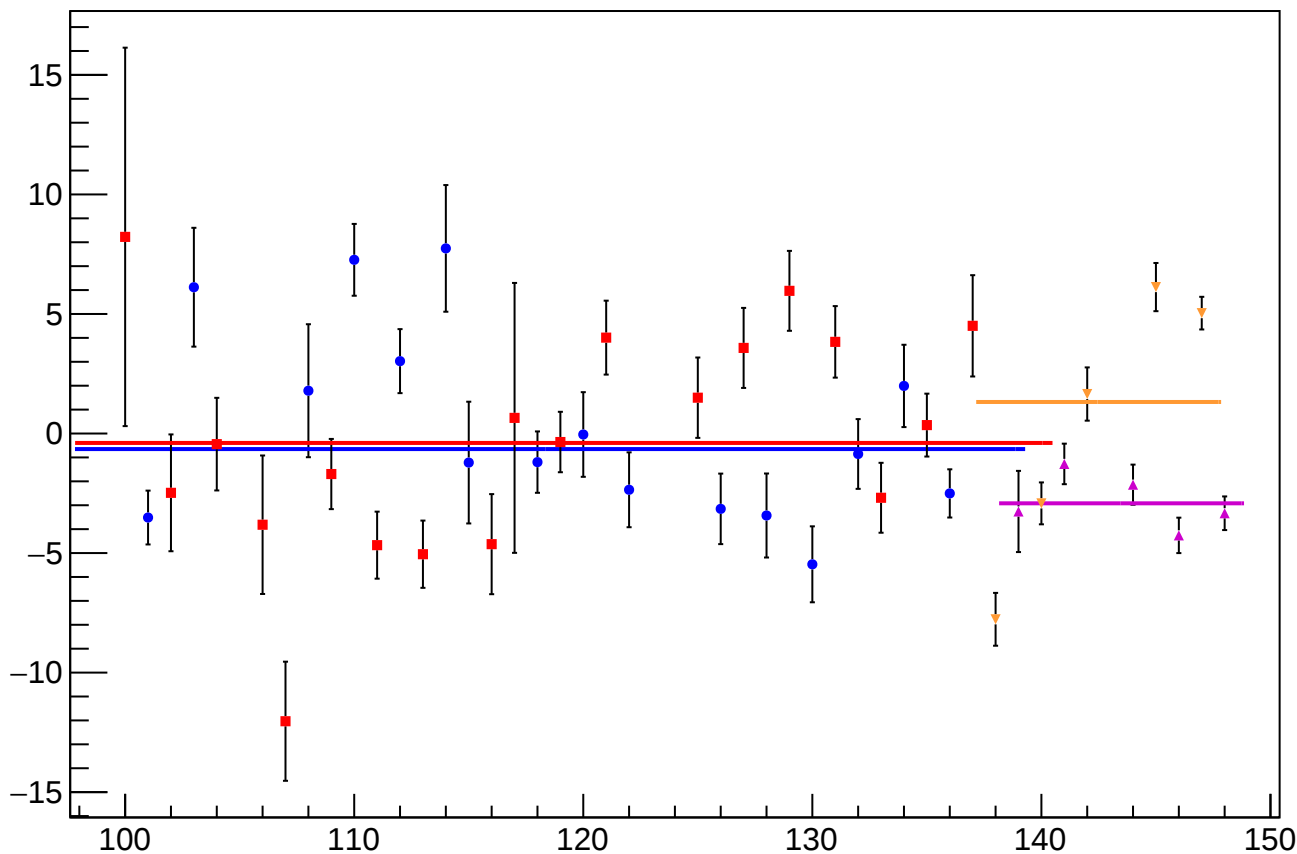
Left In: 52.307 ± 0.453 χ^2/NDF : 258.7/4

-48.432 ± 0.377 χ^2/NDF : 527.7/20

3.645 ± 0.262 χ^2/NDF : 37928.2/44

52.359 ± 0.365 χ^2/NDF : 493.6/23

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: 1.320 ± 0.406 χ^2/NDF : 143.5/4

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

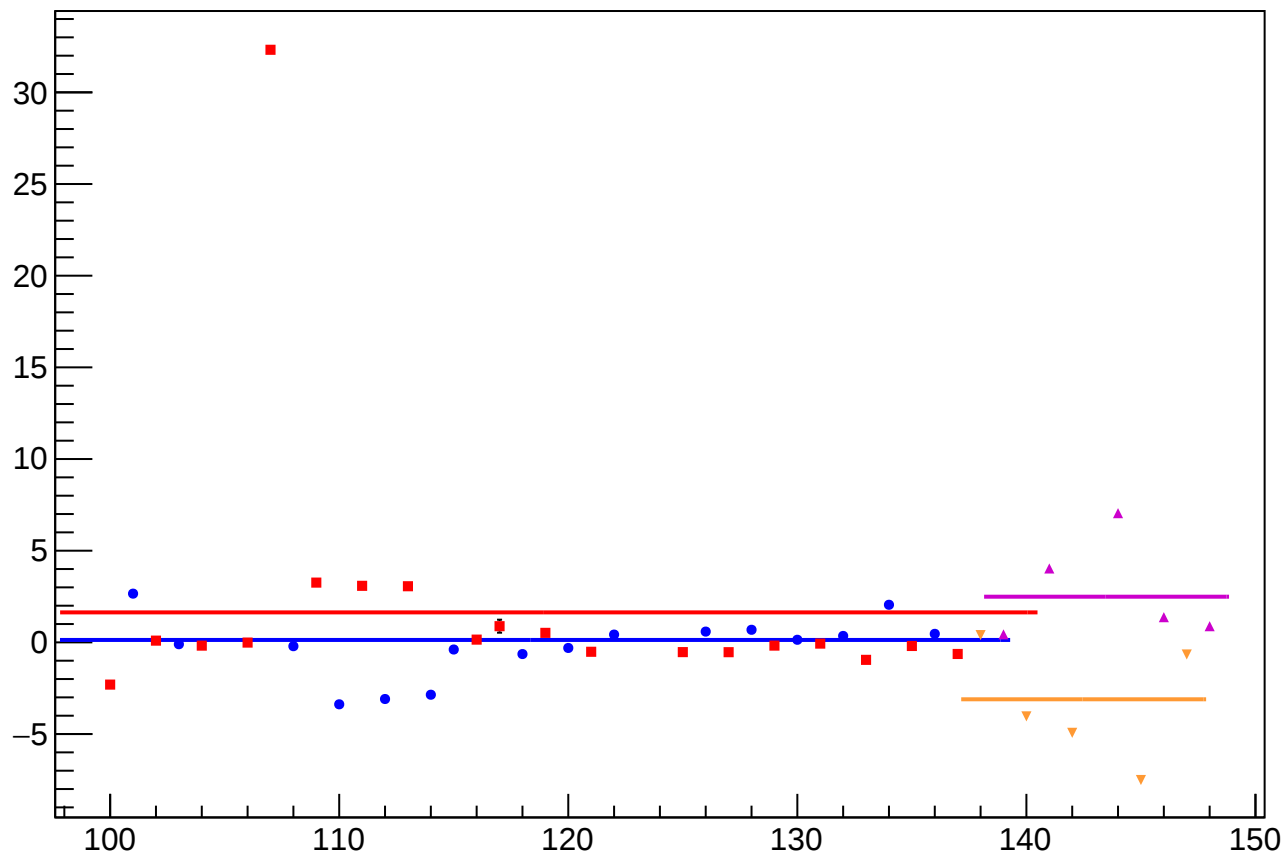
Left In: -2.919 ± 0.378 χ^2/NDF : 8.3/4

0.286 ± 0.280 χ^2/NDF : 237.8/20

-0.740 ± 0.196 χ^2/NDF : 389.4/44

-1.724 ± 0.274 χ^2/NDF : 125.4/23

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -3.105 ± 0.020 $\chi^2/\text{NDF}: 22369.9/4$

Right Out: 1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

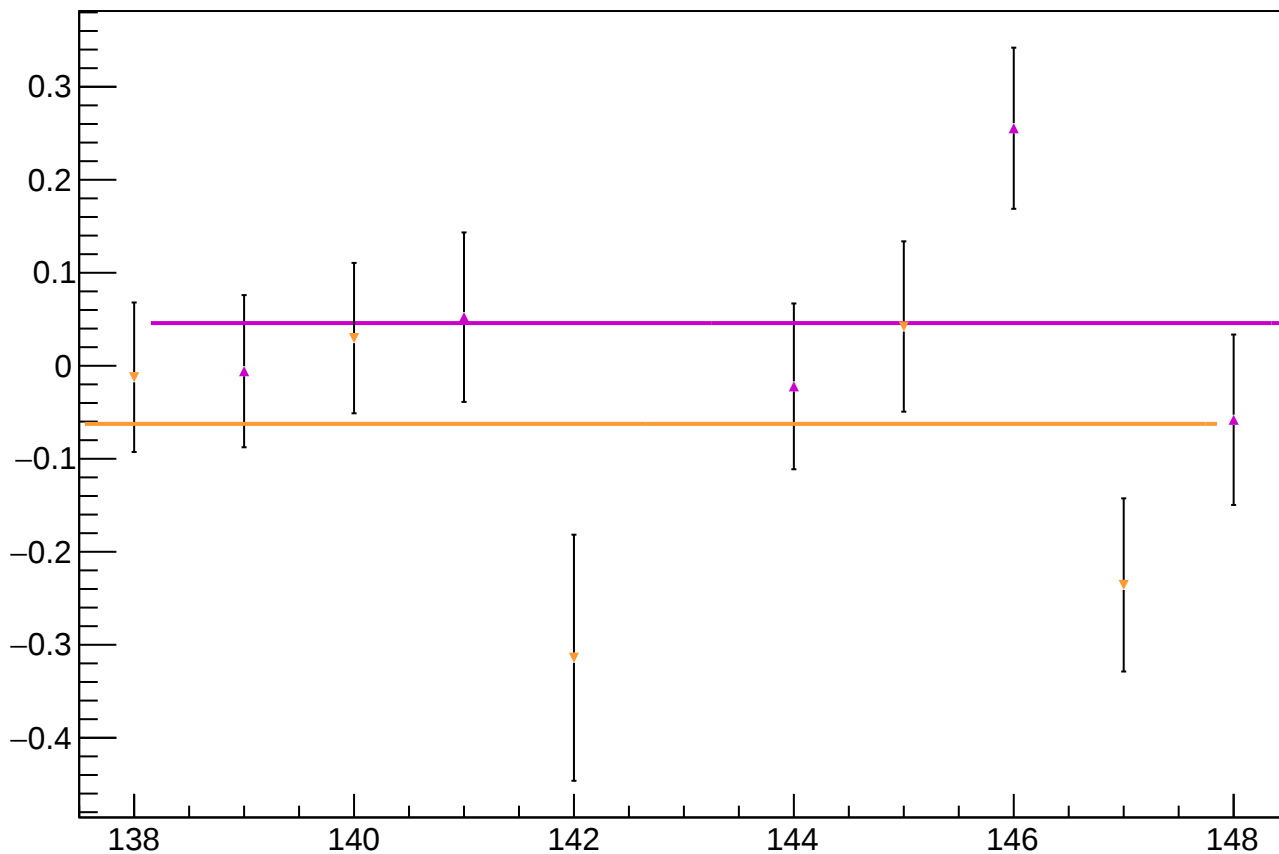
Left In: 2.491 ± 0.019 $\chi^2/\text{NDF}: 16144.6/4$

-1.607 ± 0.015 $\chi^2/\text{NDF}: 39726.0/20$

0.318 ± 0.010 $\chi^2/\text{NDF}: 168025.6/44$

2.127 ± 0.014 $\chi^2/\text{NDF}: 94883.2/23$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.062+/-0.041 χ^2/NDF : 10.1/4

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

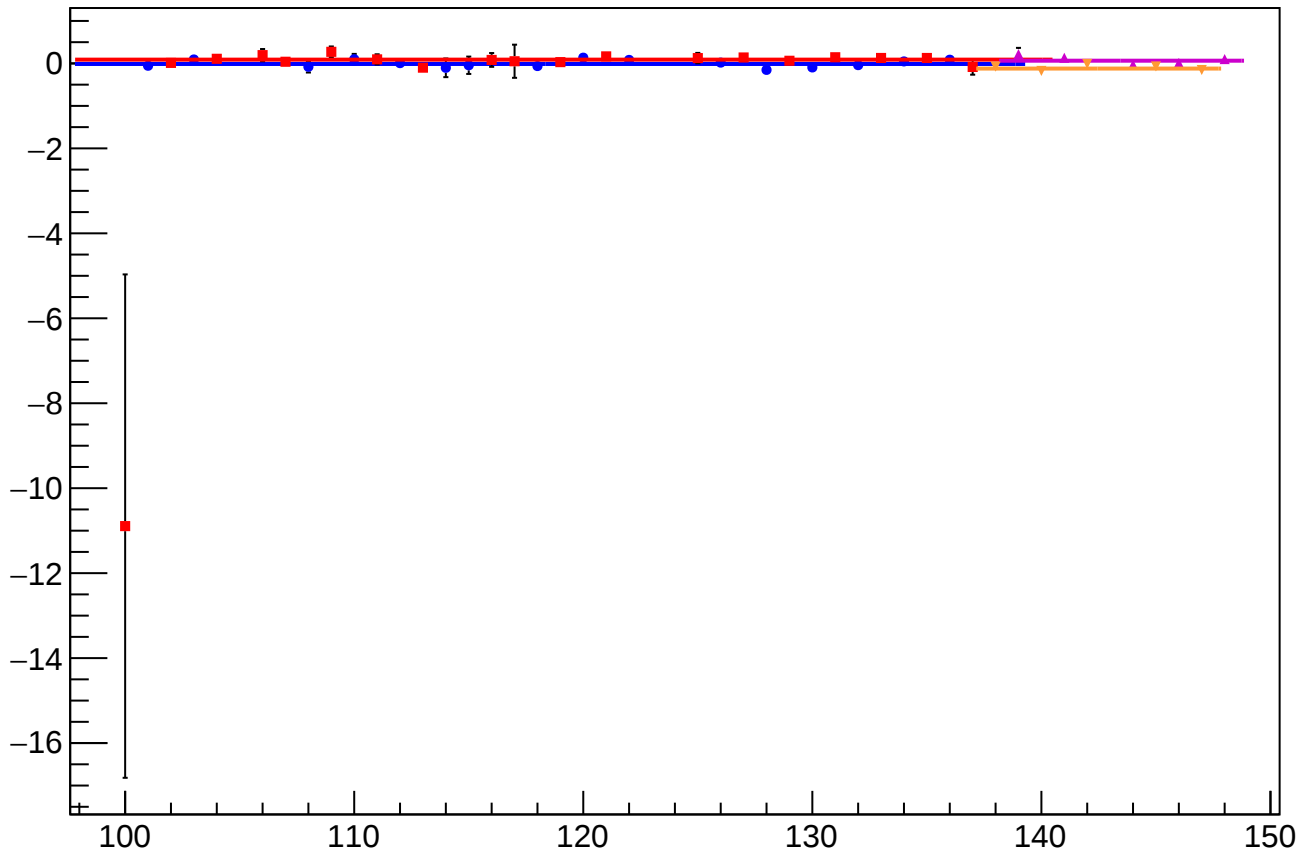
Left In: 0.046+/-0.039 χ^2/NDF : 8.1/4

-0.062+/-0.041 χ^2/NDF : 10.1/4

-0.006+/-0.028 χ^2/NDF : 21.8/9

0.046+/-0.039 χ^2/NDF : 8.1/4

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: -0.121 ± 0.029 χ^2/NDF : 3.7/4

Right Out: 0.089 ± 0.025 χ^2/NDF : 13.0/18

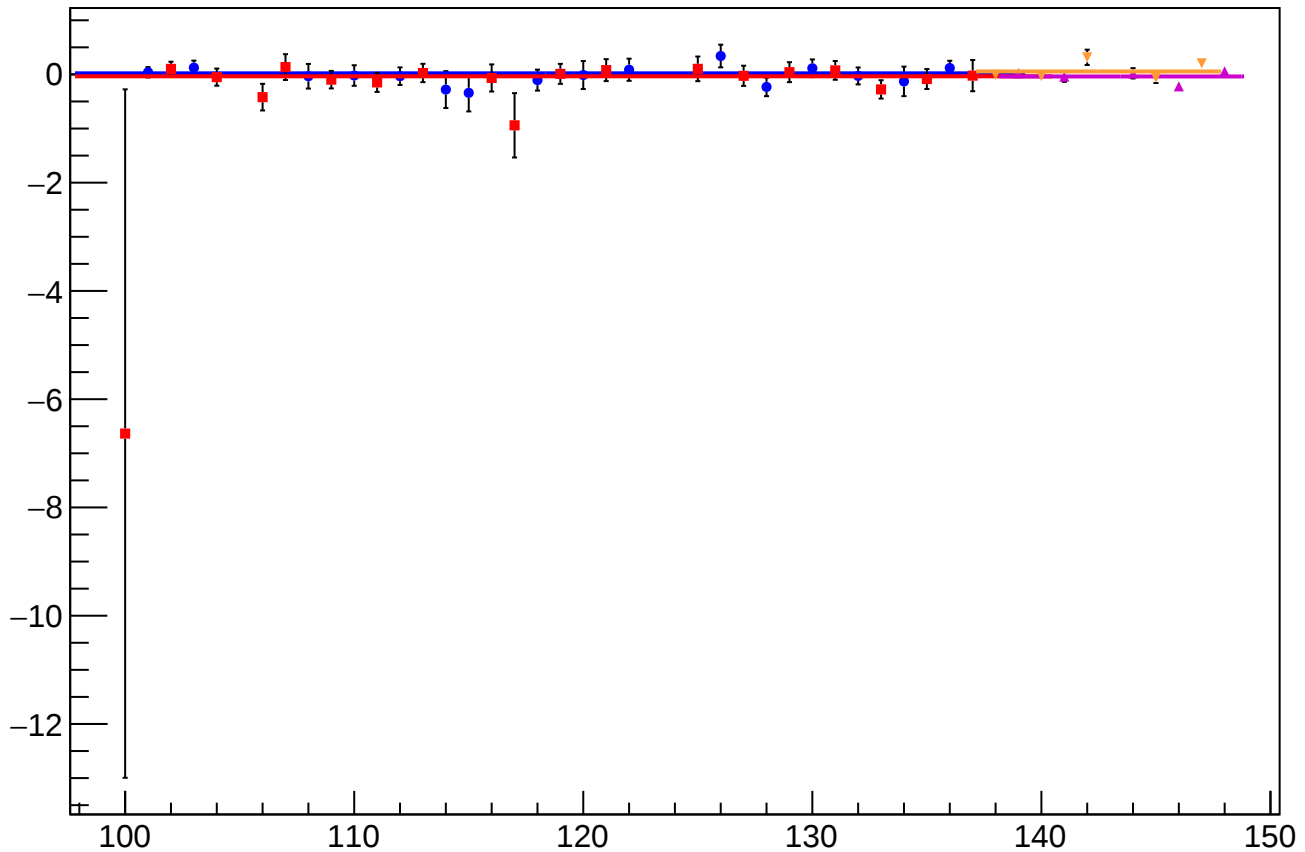
Left In: 0.064 ± 0.027 χ^2/NDF : 6.2/4

-0.056 ± 0.018 χ^2/NDF : 23.7/20

0.011 ± 0.013 χ^2/NDF : 70.1/44

0.077 ± 0.018 χ^2/NDF : 19.6/23

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020+/-0.043 $\chi^2/\text{NDF}: 9.1/15$

Left Out: 0.054+/-0.042 $\chi^2/\text{NDF}: 9.4/4$

Right Out: -0.035+/-0.045 $\chi^2/\text{NDF}: 11.6/18$

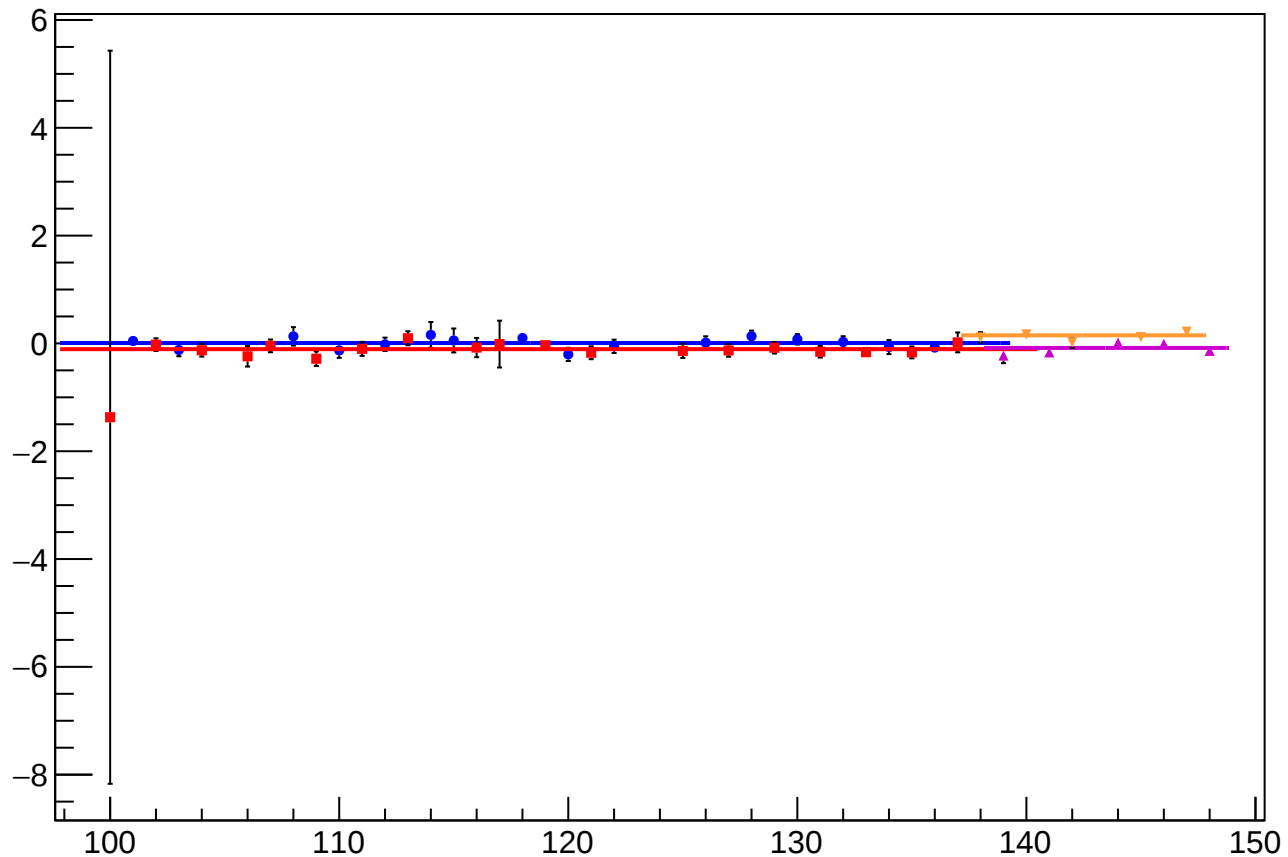
Left In: -0.038+/-0.040 $\chi^2/\text{NDF}: 6.9/4$

0.037+/-0.030 $\chi^2/\text{NDF}: 18.9/20$

-0.000+/-0.021 $\chi^2/\text{NDF}: 40.4/44$

-0.037+/-0.030 $\chi^2/\text{NDF}: 18.5/23$

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.150 ± 0.036 χ^2/NDF : 3.3/4

Right Out: -0.106 ± 0.029 χ^2/NDF : 8.2/18

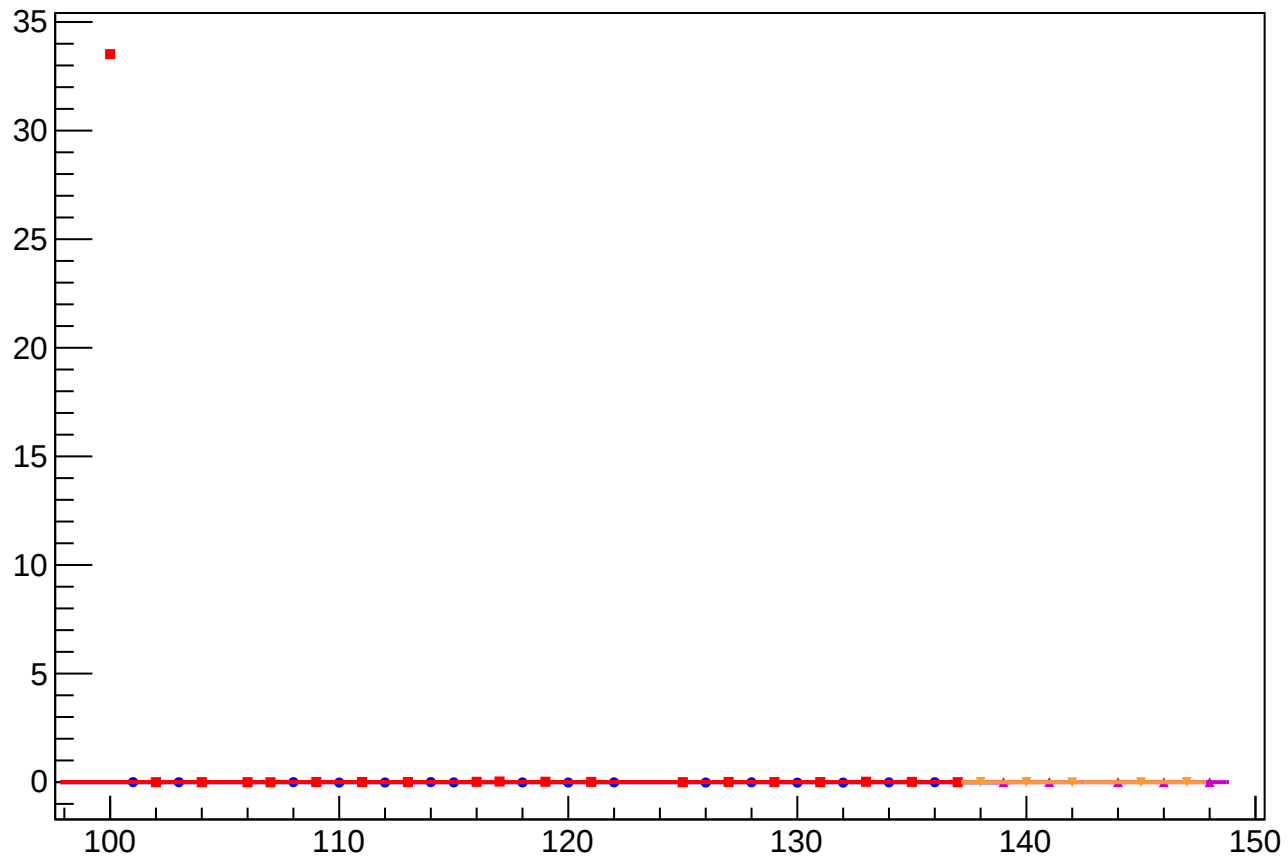
Left In: -0.084 ± 0.034 χ^2/NDF : 6.0/4

0.058 ± 0.022 χ^2/NDF : 24.4/20

-0.019 ± 0.015 χ^2/NDF : 64.3/44

-0.097 ± 0.022 χ^2/NDF : 14.4/23

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.000 ± 0.002 χ^2/NDF : 6.0/4

Right Out: 0.006 ± 0.001 χ^2/NDF : 26509.5/18

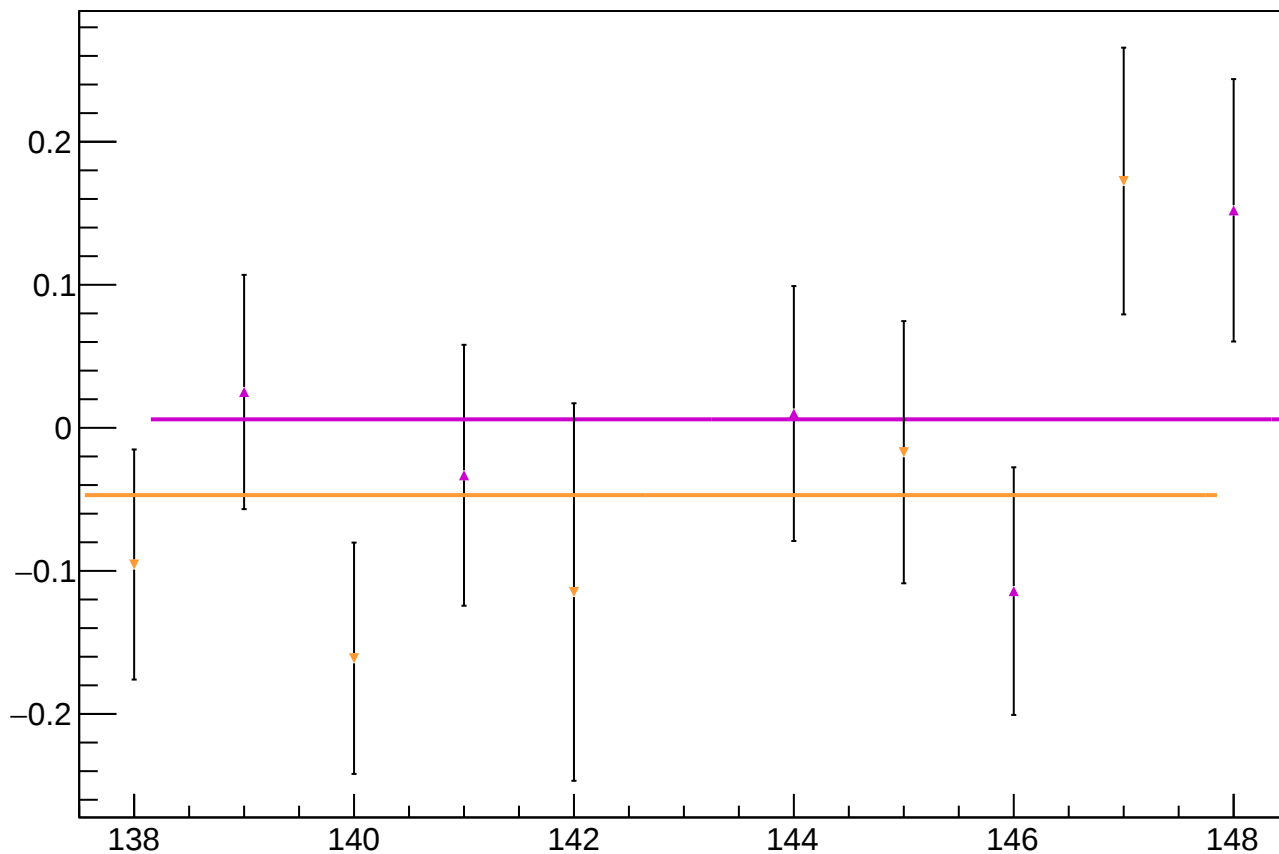
Left In: 0.002 ± 0.002 χ^2/NDF : 2.9/4

-0.003 ± 0.001 χ^2/NDF : 33.7/20

0.001 ± 0.001 χ^2/NDF : 26571.2/44

0.004 ± 0.001 χ^2/NDF : 26515.7/23

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.047+/-0.041 χ^2/NDF : 8.3/4

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

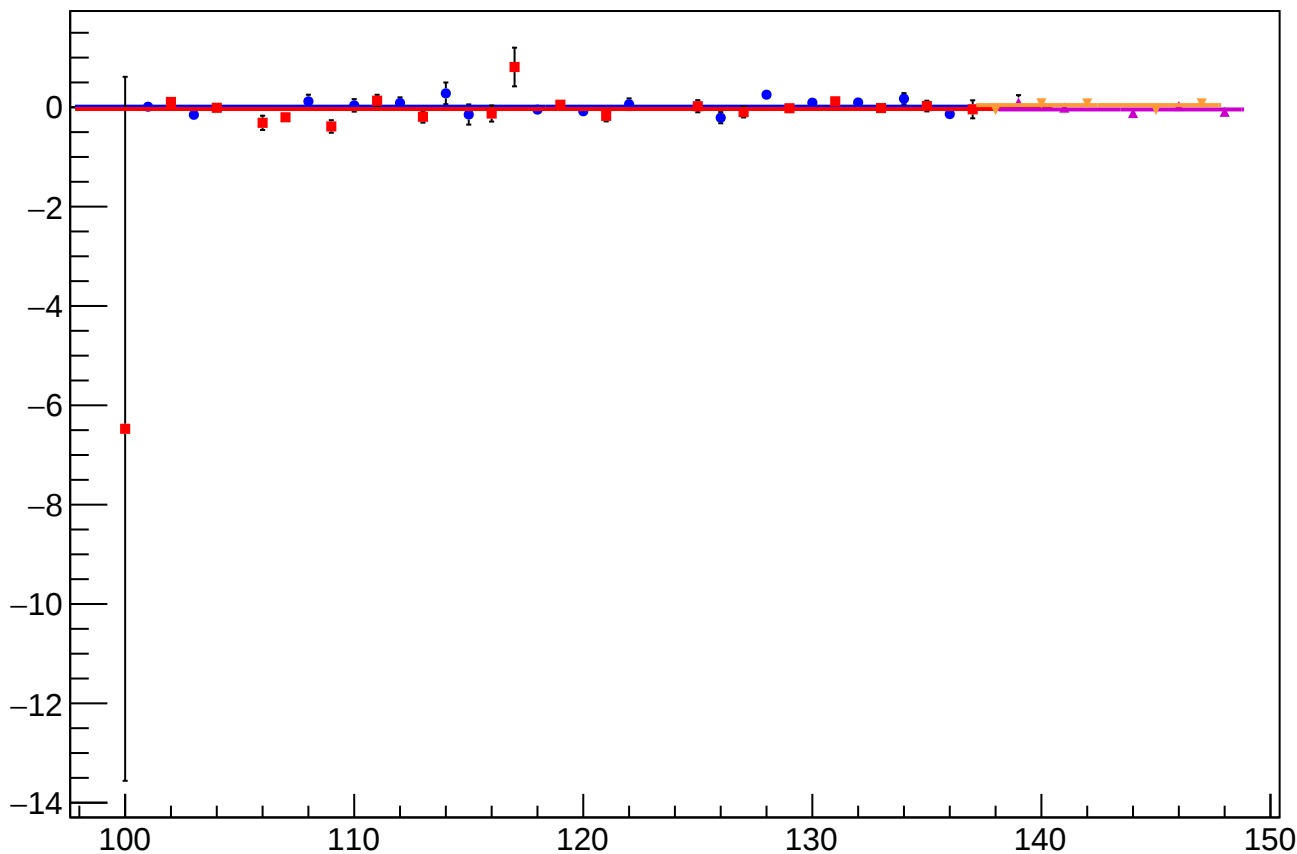
Left In: 0.006+/-0.039 χ^2/NDF : 4.7/4

-0.047+/-0.041 χ^2/NDF : 8.3/4

-0.020+/-0.028 χ^2/NDF : 13.8/9

0.006+/-0.039 χ^2/NDF : 4.7/4

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: 0.044 ± 0.029 χ^2/NDF : 3.9/4

Right Out: -0.035 ± 0.025 χ^2/NDF : 33.2/18

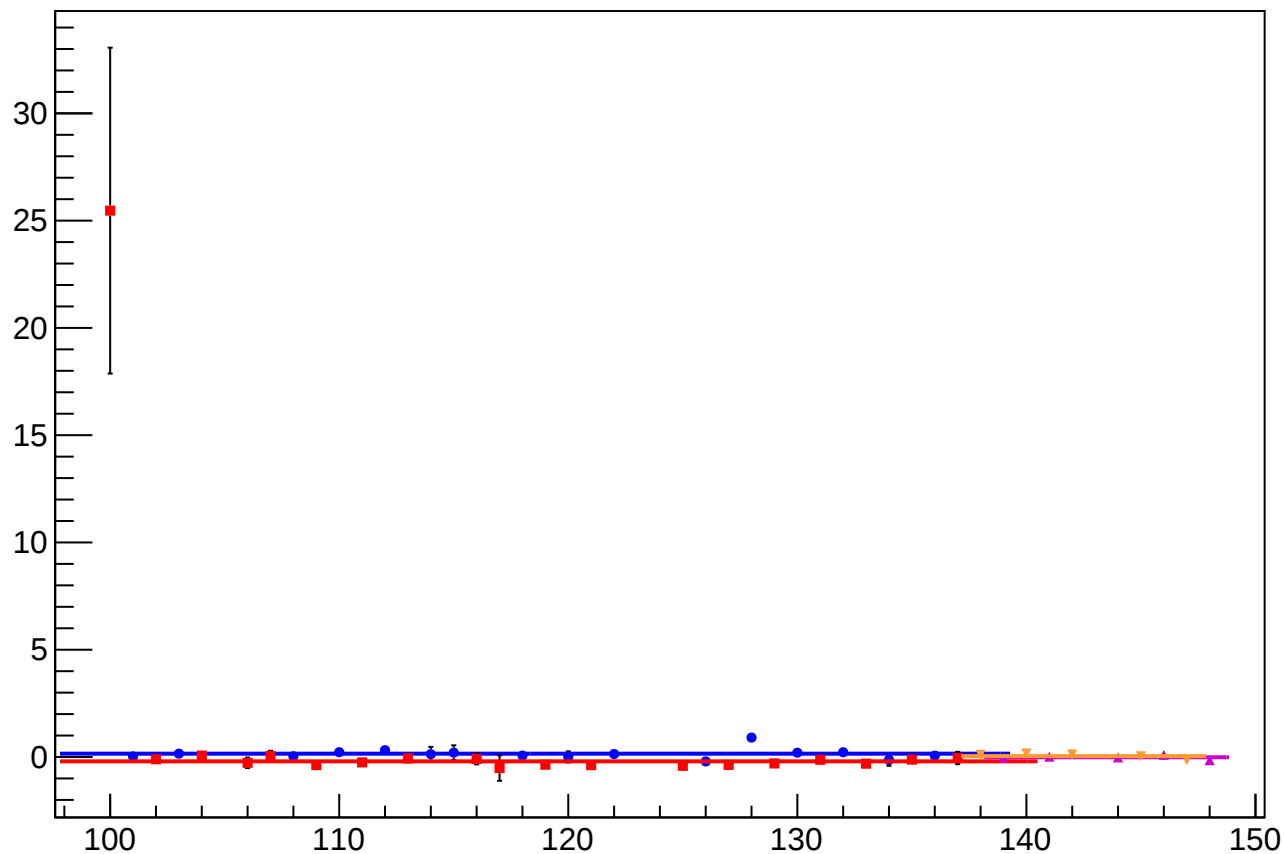
Left In: -0.044 ± 0.027 χ^2/NDF : 5.4/4

0.025 ± 0.018 χ^2/NDF : 29.6/20

-0.007 ± 0.013 χ^2/NDF : 74.5/44

-0.039 ± 0.018 χ^2/NDF : 38.7/23

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 ± 0.043 $\chi^2/\text{NDF}: 27.9/15$

Left Out: 0.041 ± 0.042 $\chi^2/\text{NDF}: 8.0/4$

Right Out: -0.203 ± 0.045 $\chi^2/\text{NDF}: 22.9/18$

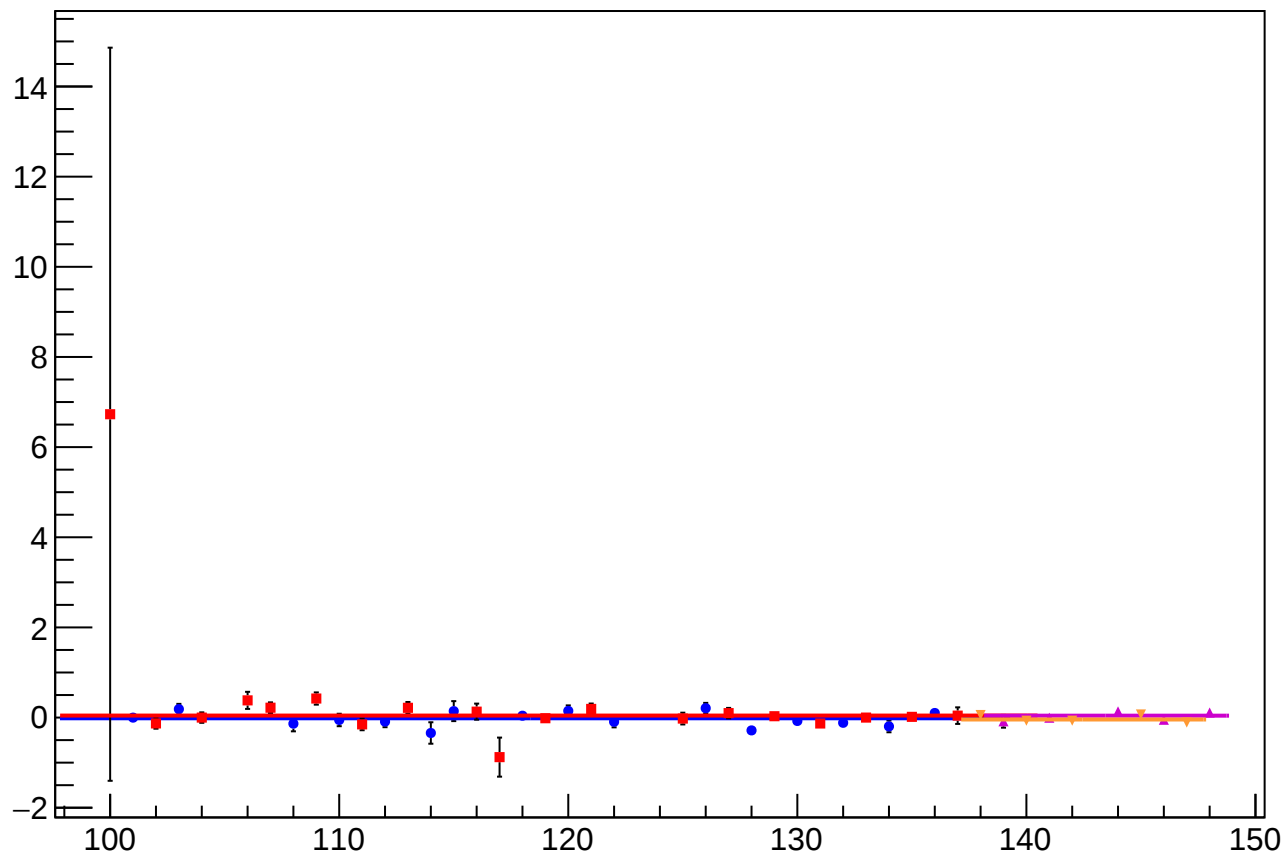
Left In: -0.013 ± 0.040 $\chi^2/\text{NDF}: 4.5/4$

0.097 ± 0.030 $\chi^2/\text{NDF}: 39.5/20$

-0.001 ± 0.021 $\chi^2/\text{NDF}: 97.8/44$

-0.097 ± 0.030 $\chi^2/\text{NDF}: 37.4/23$

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: -0.043 ± 0.036 χ^2/NDF : 4.0/4

Right Out: 0.044 ± 0.029 χ^2/NDF : 30.5/18

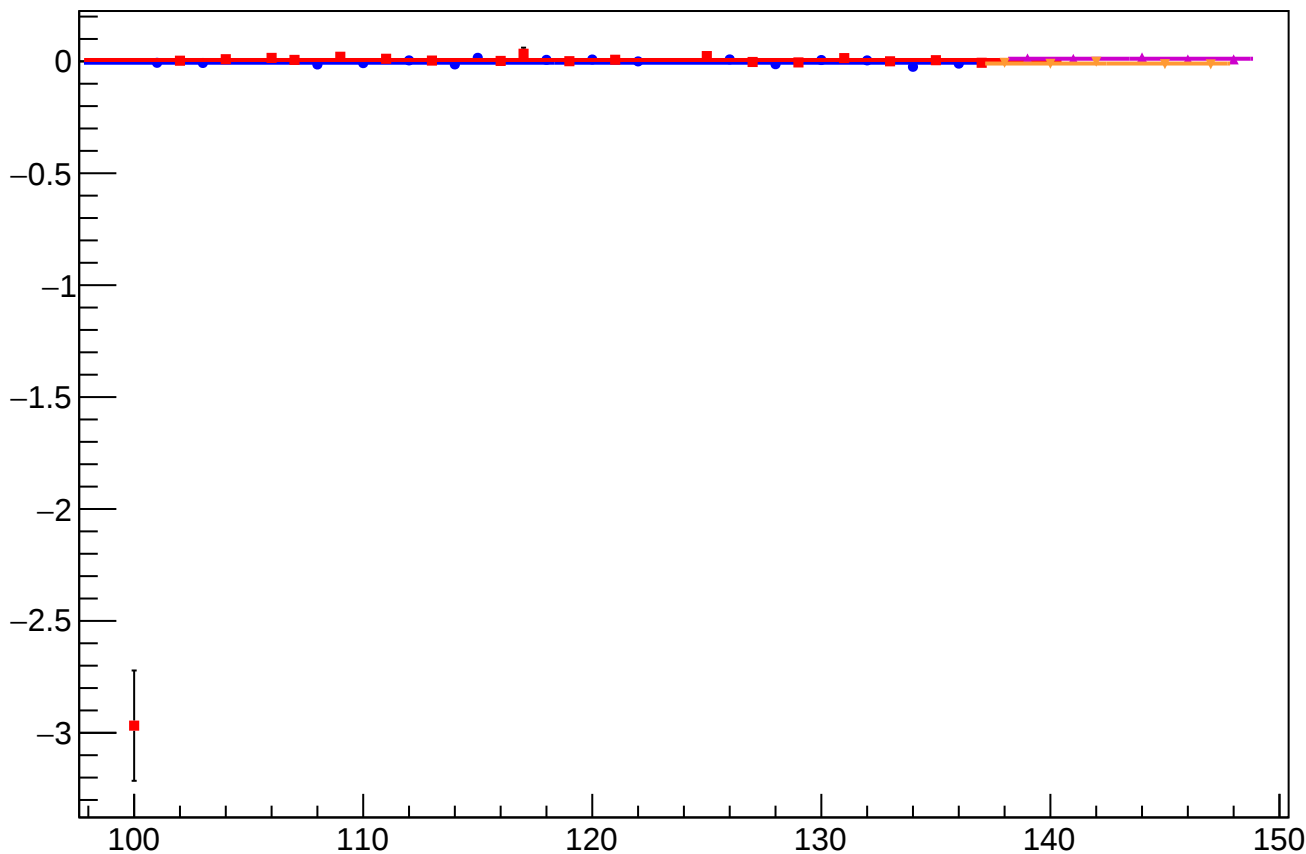
Left In: 0.042 ± 0.034 χ^2/NDF : 5.9/4

-0.025 ± 0.022 χ^2/NDF : 28.7/20

0.009 ± 0.015 χ^2/NDF : 70.1/44

0.044 ± 0.022 χ^2/NDF : 36.4/23

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.010 ± 0.002 χ^2/NDF : 4.5/4

Right Out: 0.006 ± 0.001 χ^2/NDF : 167.0/18

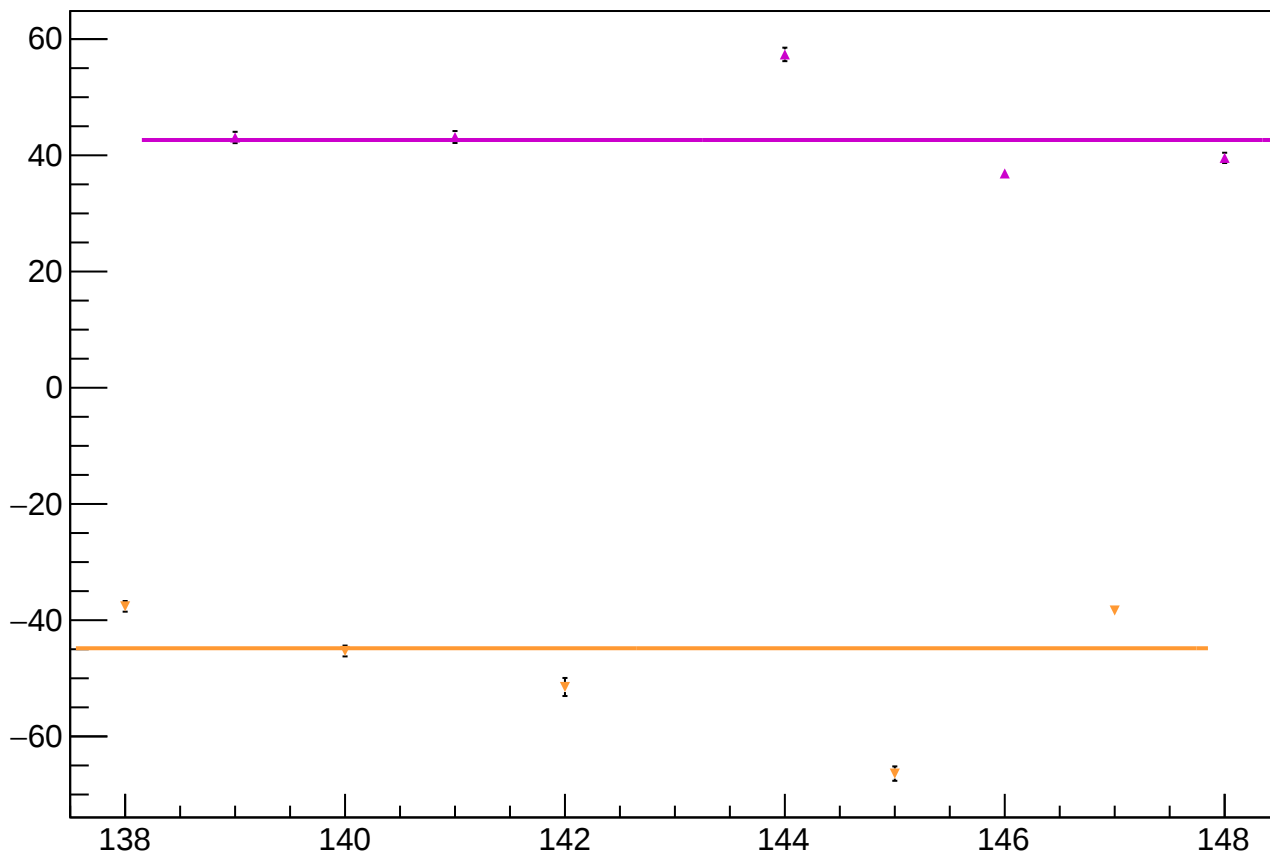
Left In: 0.012 ± 0.002 χ^2/NDF : 3.6/4

-0.008 ± 0.001 χ^2/NDF : 34.3/20

0.001 ± 0.001 χ^2/NDF : 317.5/44

0.009 ± 0.001 χ^2/NDF : 176.9/23

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -44.830+/-0.459 χ^2/NDF : 440.2/4

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

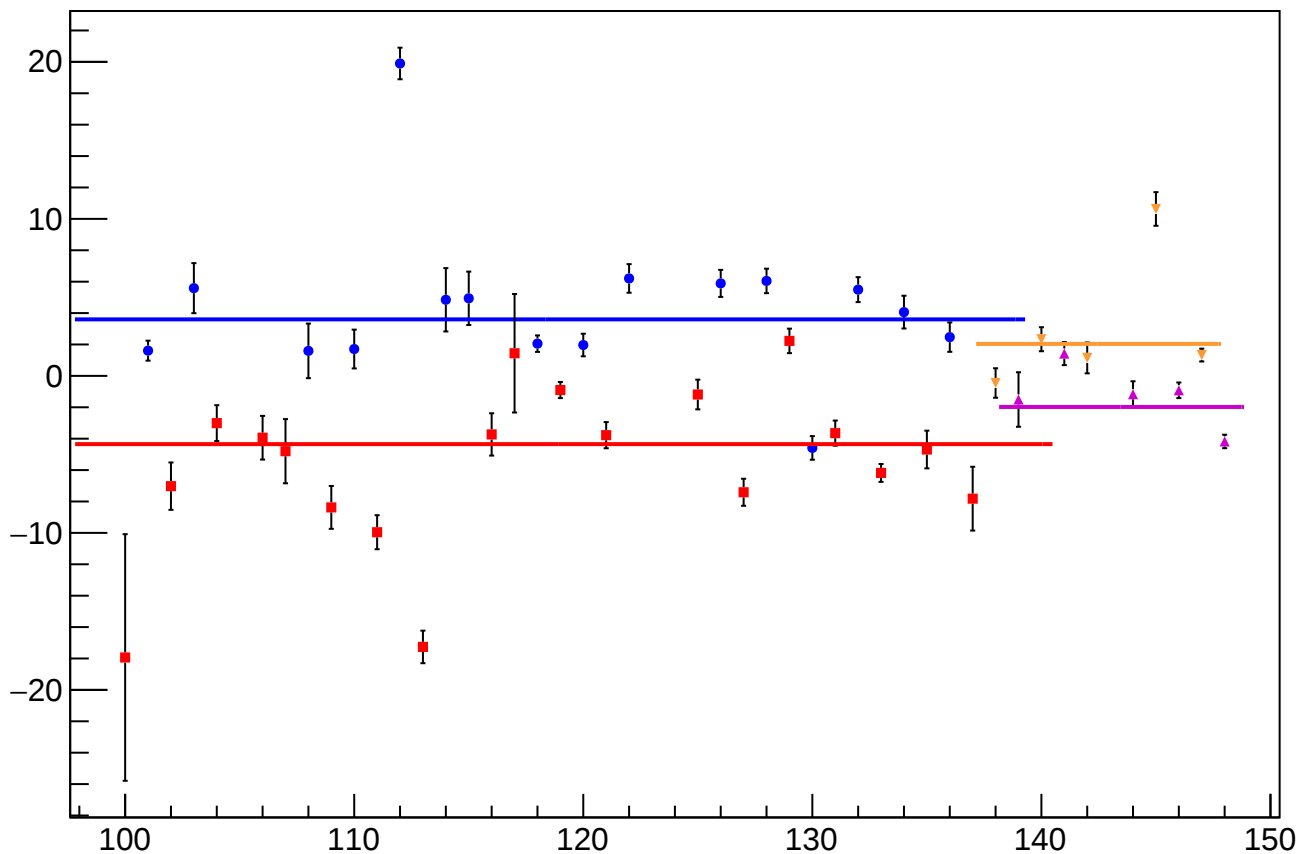
Left In: 42.635+/-0.430 χ^2/NDF : 219.4/4

-44.830+/-0.459 χ^2/NDF : 440.2/4

1.689+/-0.314 χ^2/NDF : 19994.9/9

42.635+/-0.430 χ^2/NDF : 219.4/4

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 2.036 ± 0.305 χ^2/NDF : 75.4/4

Right Out: -4.347 ± 0.224 χ^2/NDF : 355.4/18

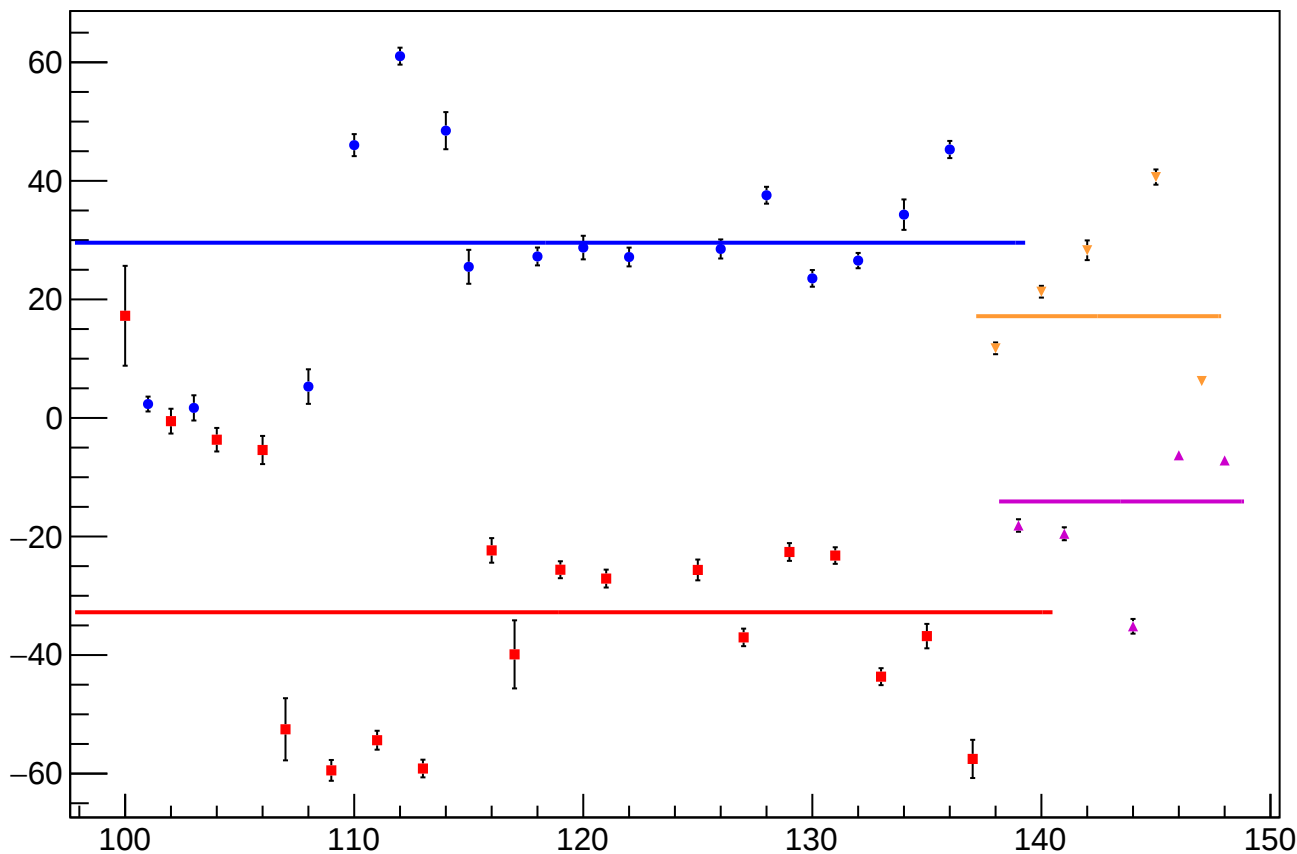
Left In: -1.979 ± 0.276 χ^2/NDF : 53.2/4

3.063 ± 0.179 χ^2/NDF : 536.0/20

-0.254 ± 0.125 χ^2/NDF : 1661.3/44

-3.404 ± 0.174 χ^2/NDF : 453.0/23

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 17.168 $\pm$ 0.469 χ^2 /NDF: 609.6/4

Right Out: -32.780 $\pm$ 0.422 χ^2 /NDF: 1664.8/18

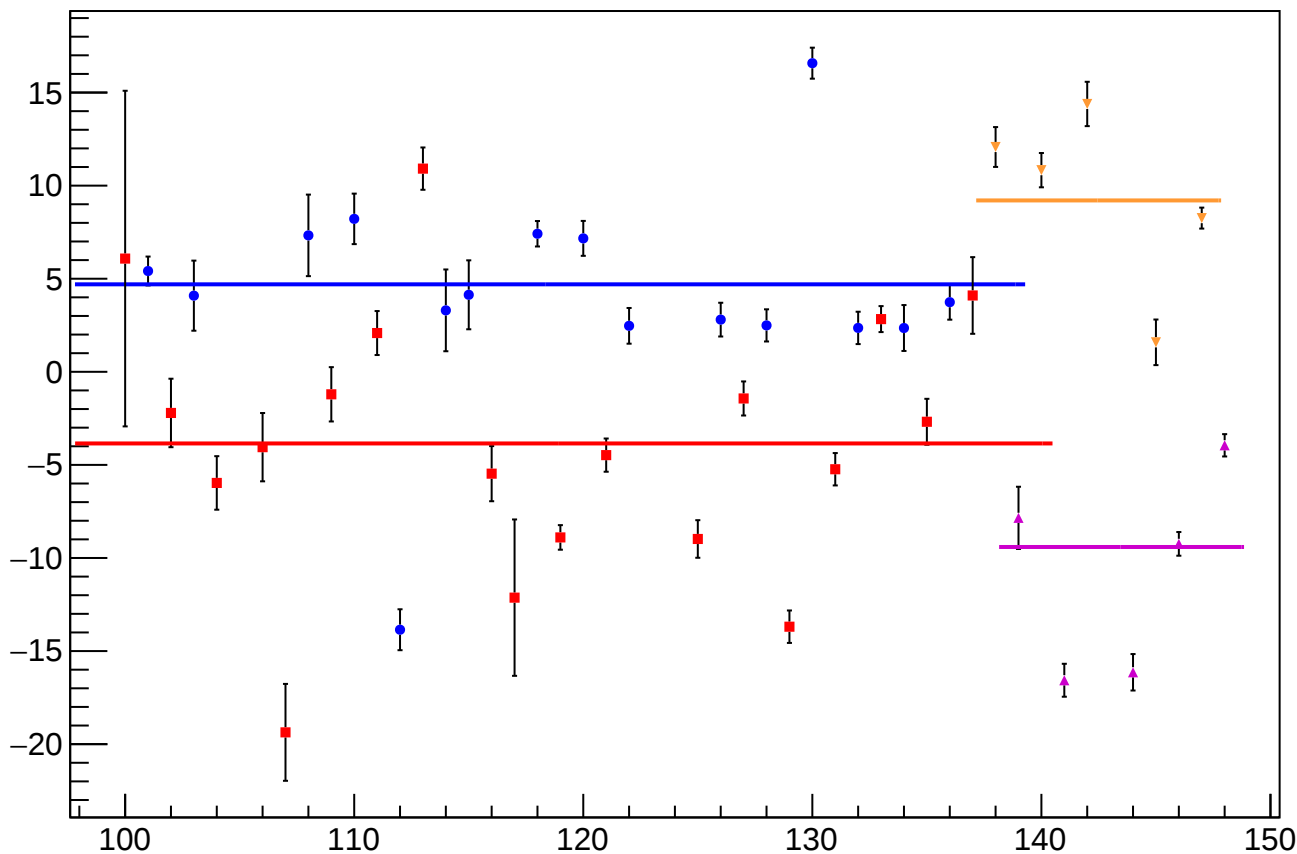
Left In: -14.089 $\pm$ 0.433 χ^2 /NDF: 488.9/4

24.060 $\pm$ 0.313 χ^2 /NDF: 2491.8/20

-0.654 $\pm$ 0.217 χ^2 /NDF: 17658.2/44

-23.673 $\pm$ 0.302 χ^2 /NDF: 3111.3/23

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.205 ± 0.390 χ^2/NDF : 70.8/4

Right Out: -3.848 ± 0.258 χ^2/NDF : 571.5/18

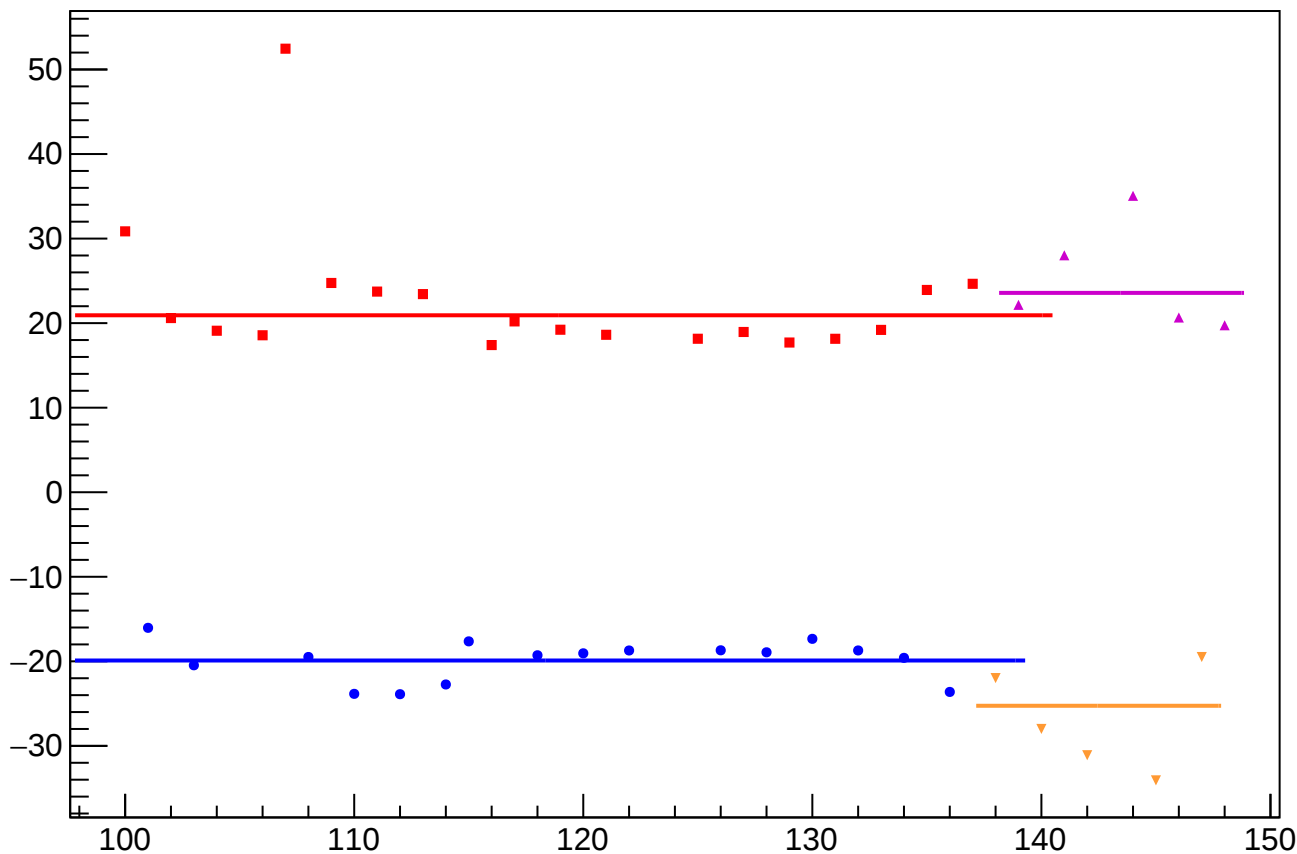
Left In: -9.409 ± 0.355 χ^2/NDF : 196.6/4

6.042 ± 0.213 χ^2/NDF : 713.5/20

0.020 ± 0.149 χ^2/NDF : 3212.0/44

-5.769 ± 0.209 χ^2/NDF : 928.7/23

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 χ^2/NDF : 26054.0/15

Left Out: -25.256 ± 0.020 χ^2/NDF : 71898.2/4

Right Out: 20.928 ± 0.016 χ^2/NDF : 94015.9/18

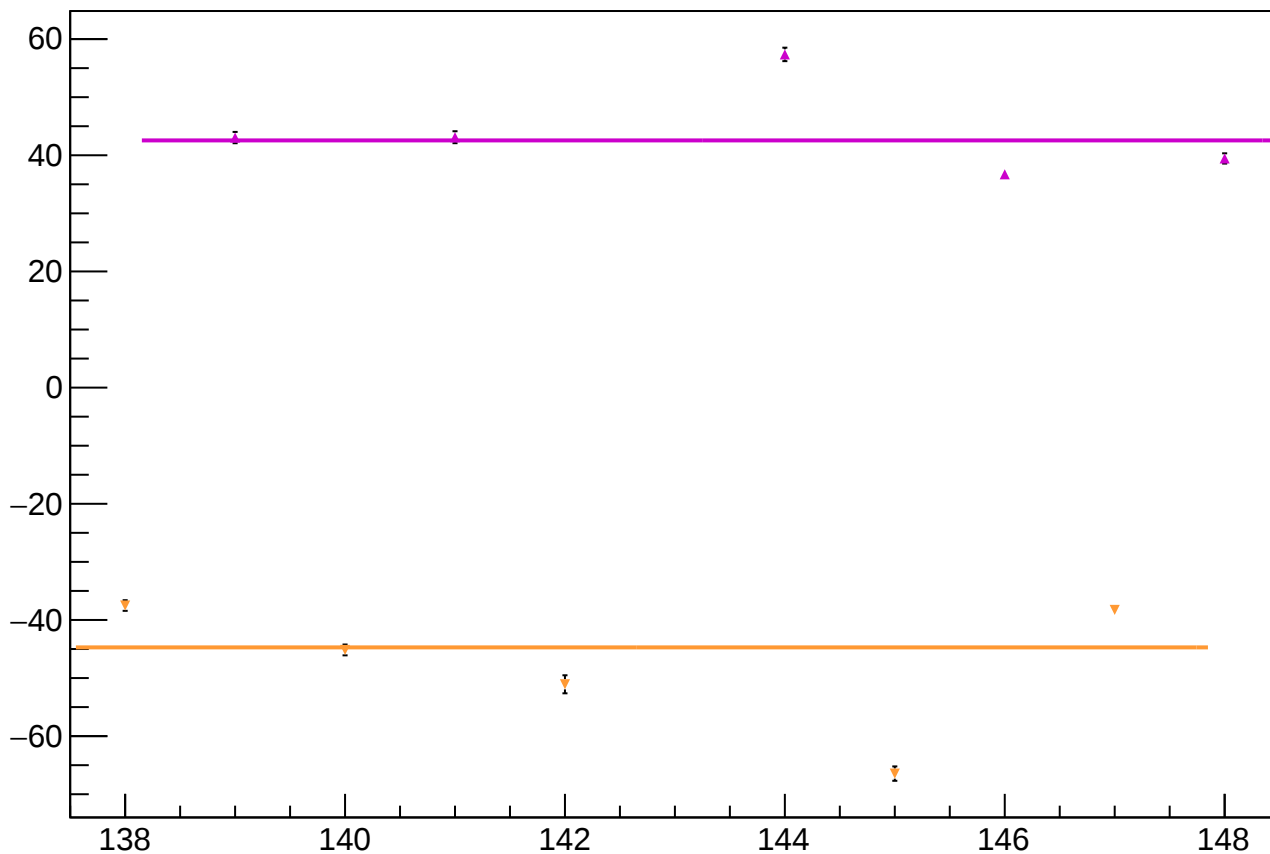
Left In: 23.578 ± 0.018 χ^2/NDF : 73658.7/4

-21.932 ± 0.012 χ^2/NDF : 142336.9/20

0.980 ± 0.009 χ^2/NDF : 6953999.9/44

22.072 ± 0.012 χ^2/NDF : 179981.3/23

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -44.721+/-0.458 χ^2/NDF : 442.7/4

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

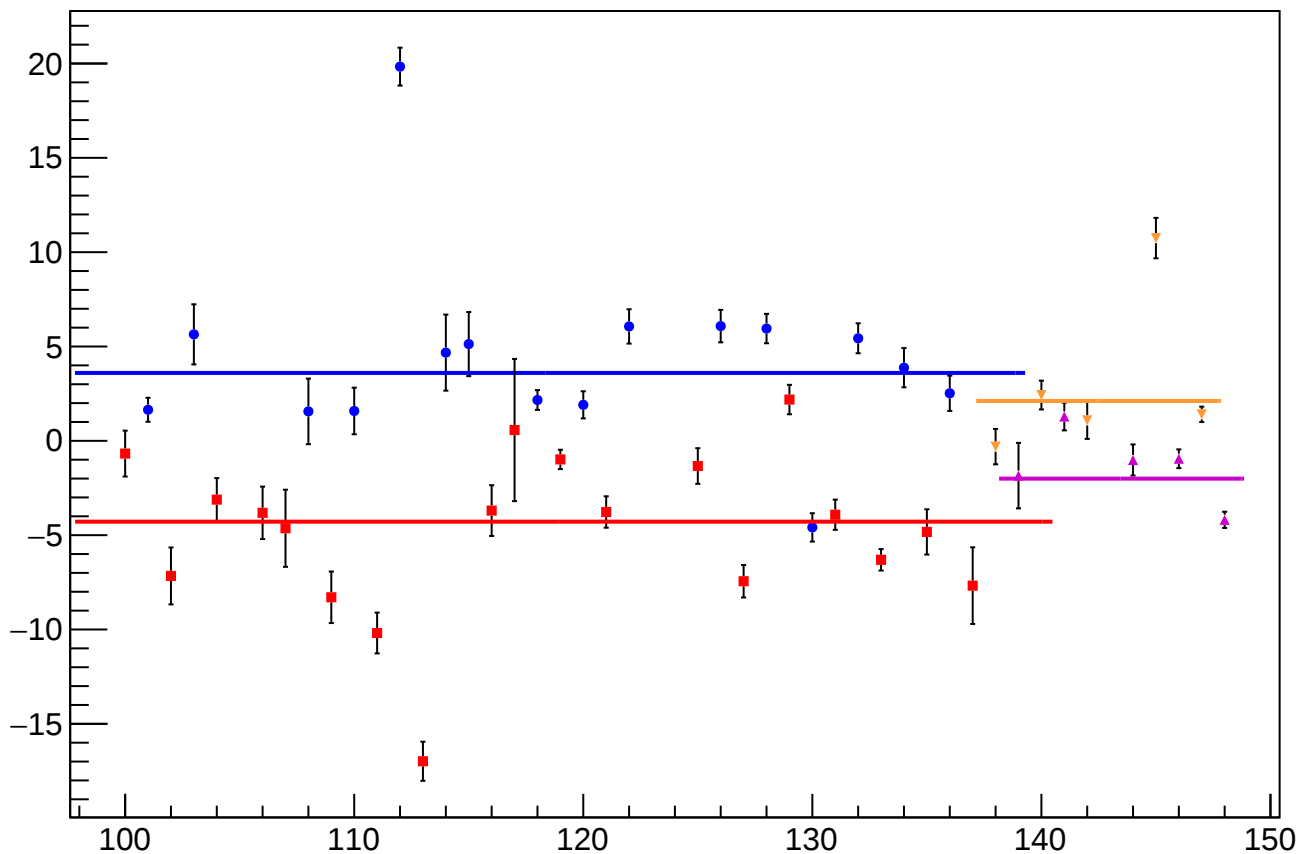
Left In: 42.558+/-0.430 χ^2/NDF : 222.9/4

-44.721+/-0.458 χ^2/NDF : 442.7/4

1.701+/-0.314 χ^2/NDF : 19942.0/9

42.558+/-0.430 χ^2/NDF : 222.9/4

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: 2.114 $\pm$ 0.305 χ^2/NDF : 76.0/4

Right Out: -4.284 $\pm$ 0.221 χ^2/NDF : 353.8/18

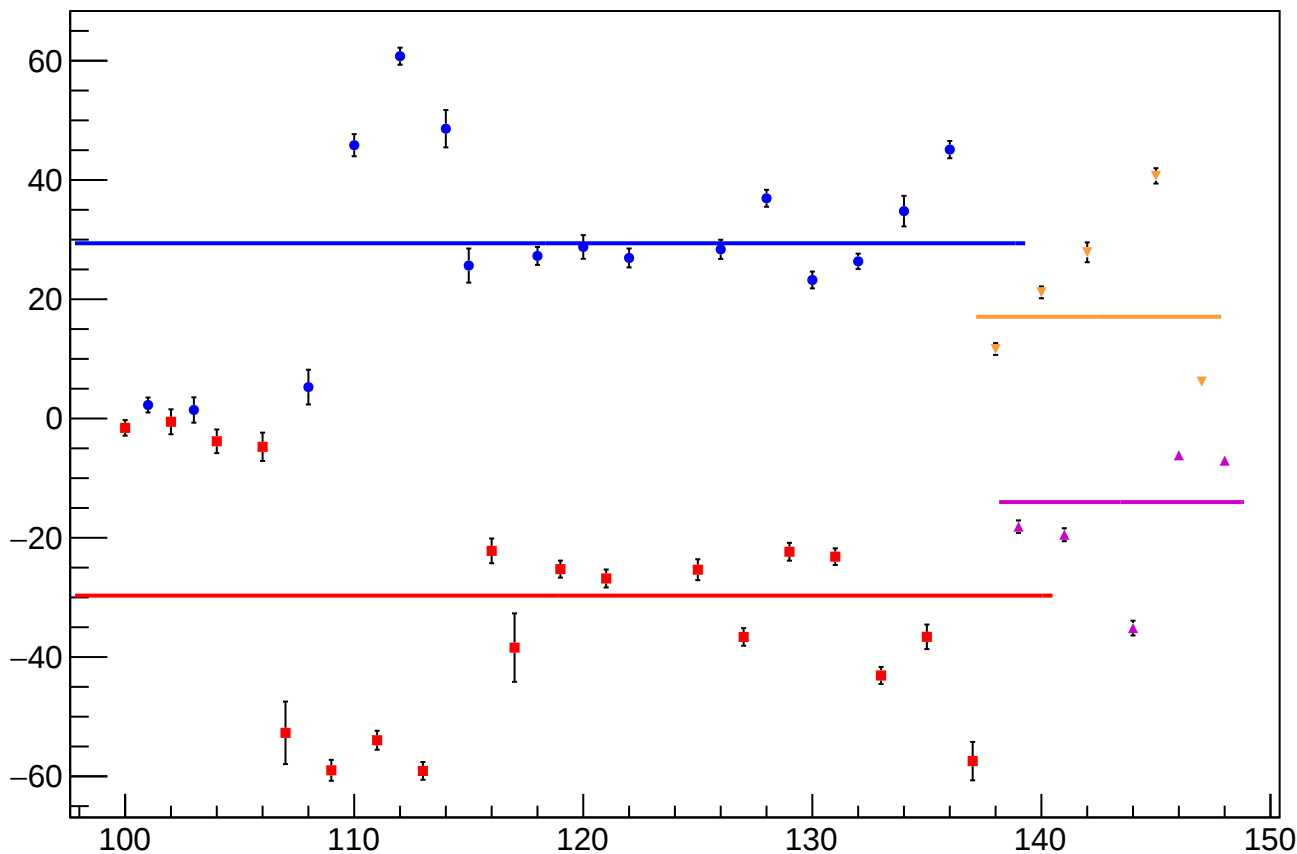
Left In: -2.004 $\pm$ 0.276 χ^2/NDF : 52.0/4

3.091 $\pm$ 0.179 χ^2/NDF : 531.8/20

-0.267 $\pm$ 0.124 χ^2/NDF : 1662.5/44

-3.394 $\pm$ 0.172 χ^2/NDF : 447.5/23

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 $\pm$ 0.419 χ^2/NDF : 1488.6/15

Left Out: 17.075 $\pm$ 0.469 χ^2/NDF : 609.9/4

Right Out: -29.695 $\pm$ 0.401 χ^2/NDF : 2133.3/18

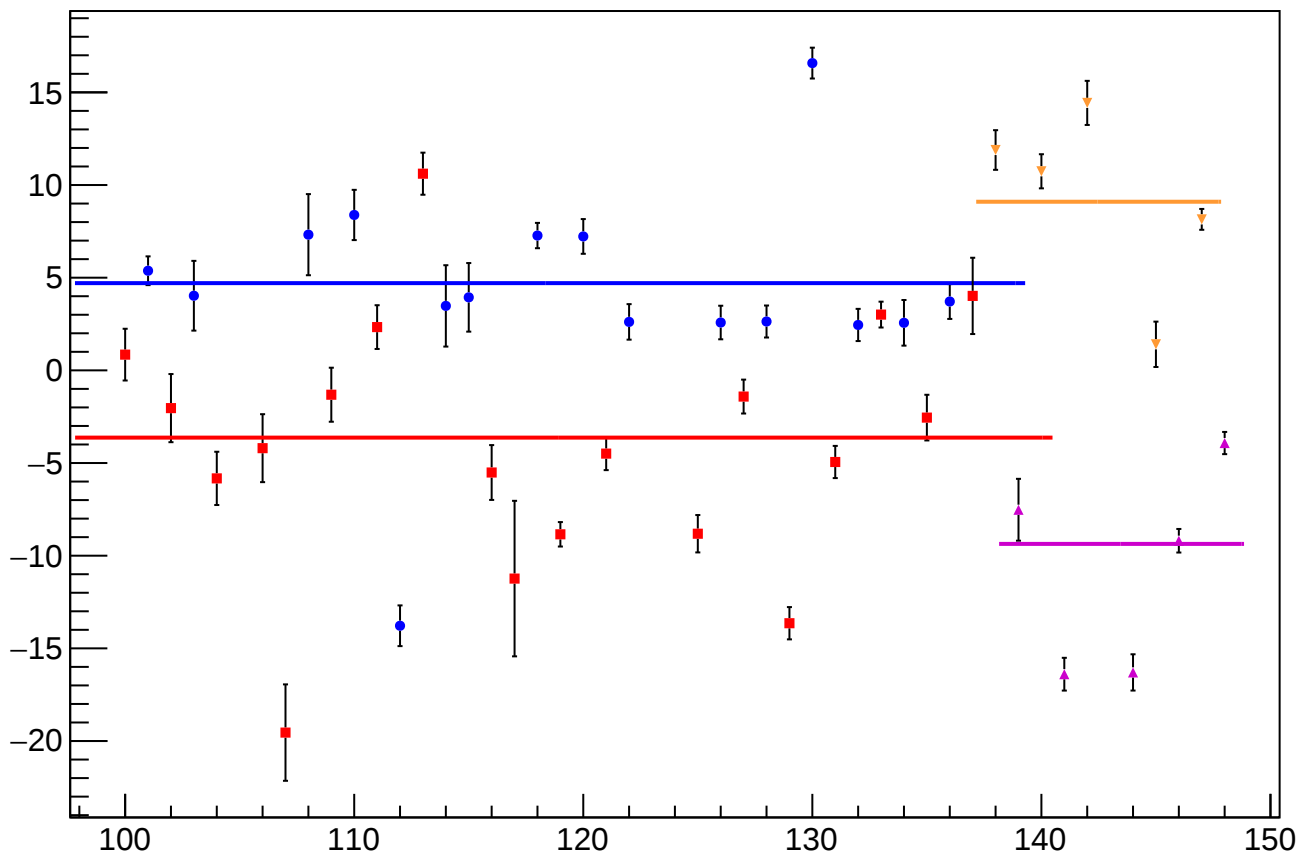
Left In: -14.014 $\pm$ 0.432 χ^2/NDF : 494.0/4

23.921 $\pm$ 0.313 χ^2/NDF : 2481.4/20

-0.669 $\pm$ 0.214 χ^2/NDF : 17478.5/44

-22.435 $\pm$ 0.294 χ^2/NDF : 3334.0/23

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.098 ± 0.390 χ^2/NDF : 72.4/4

Right Out: -3.629 ± 0.254 χ^2/NDF : 576.7/18

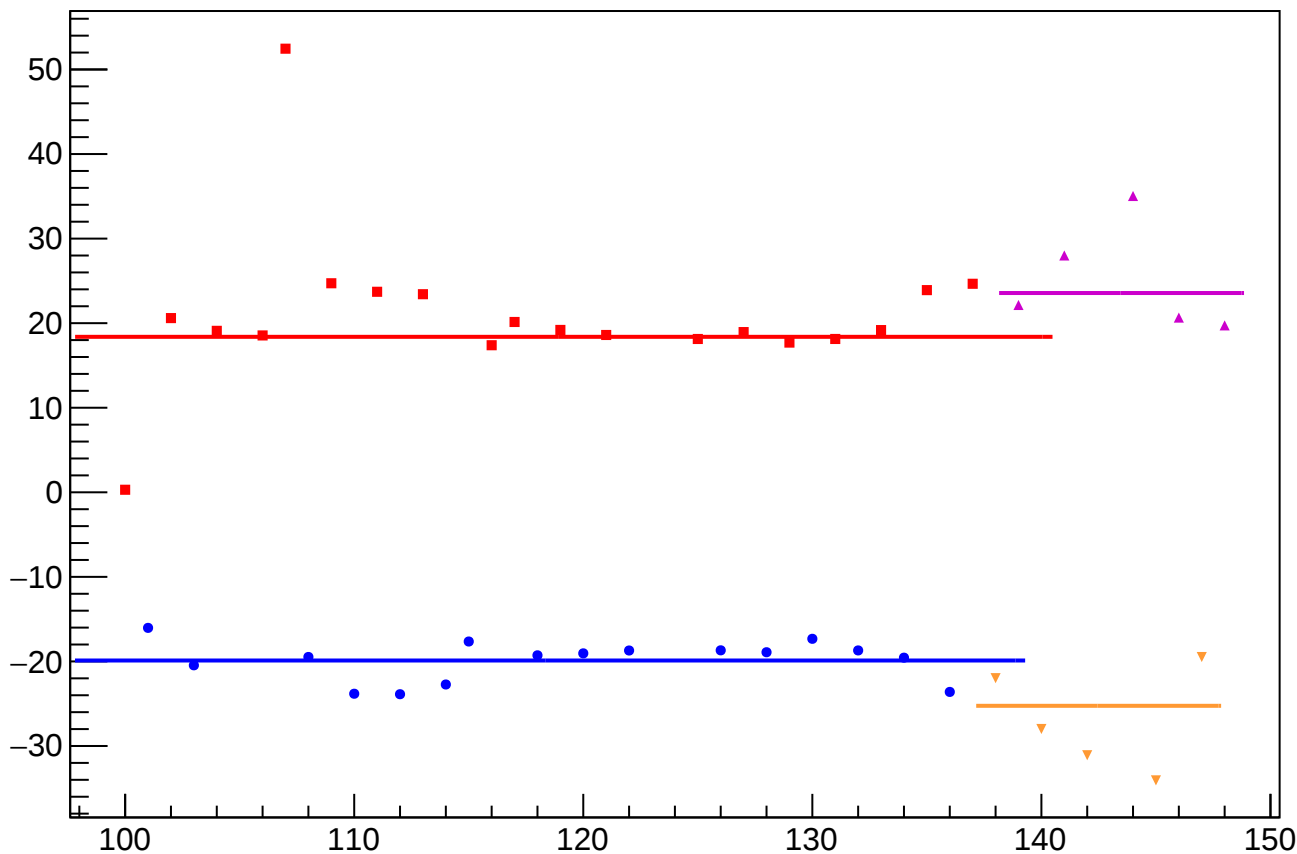
Left In: -9.364 ± 0.355 χ^2/NDF : 197.2/4

6.015 ± 0.213 χ^2/NDF : 706.8/20

0.047 ± 0.148 χ^2/NDF : 3181.3/44

-5.567 ± 0.206 χ^2/NDF : 946.8/23

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -25.248 ± 0.020 $\chi^2/\text{NDF}: 71929.2/4$

Right Out: 18.386 ± 0.015 $\chi^2/\text{NDF}: 301044.3/18$

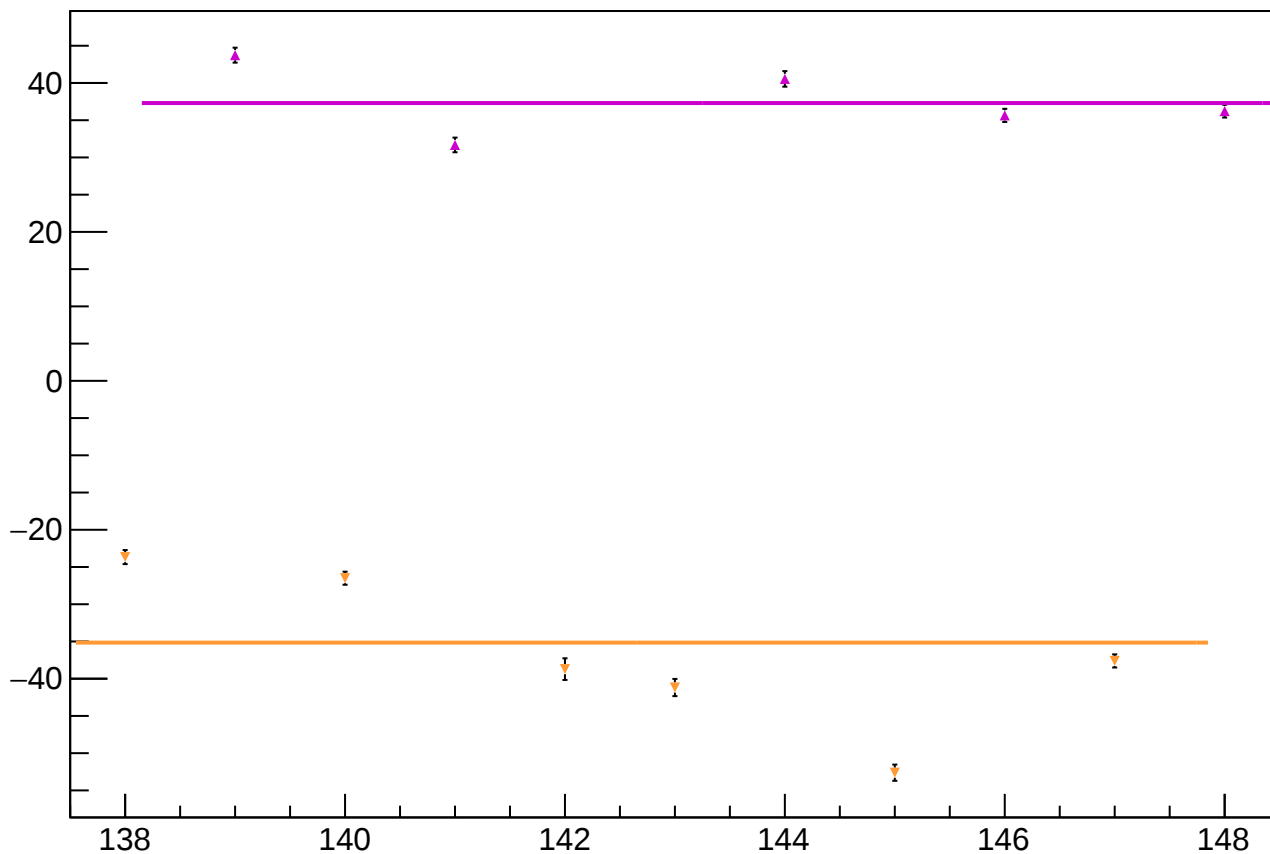
Left In: 23.566 ± 0.018 $\chi^2/\text{NDF}: 73615.8/4$

-21.921 ± 0.012 $\chi^2/\text{NDF}: 142468.0/20$

0.925 ± 0.008 $\chi^2/\text{NDF}: 6943600.6/44$

20.463 ± 0.011 $\chi^2/\text{NDF}: 424284.7/23$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.153+/-0.416 χ^2/NDF : 543.1/5

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

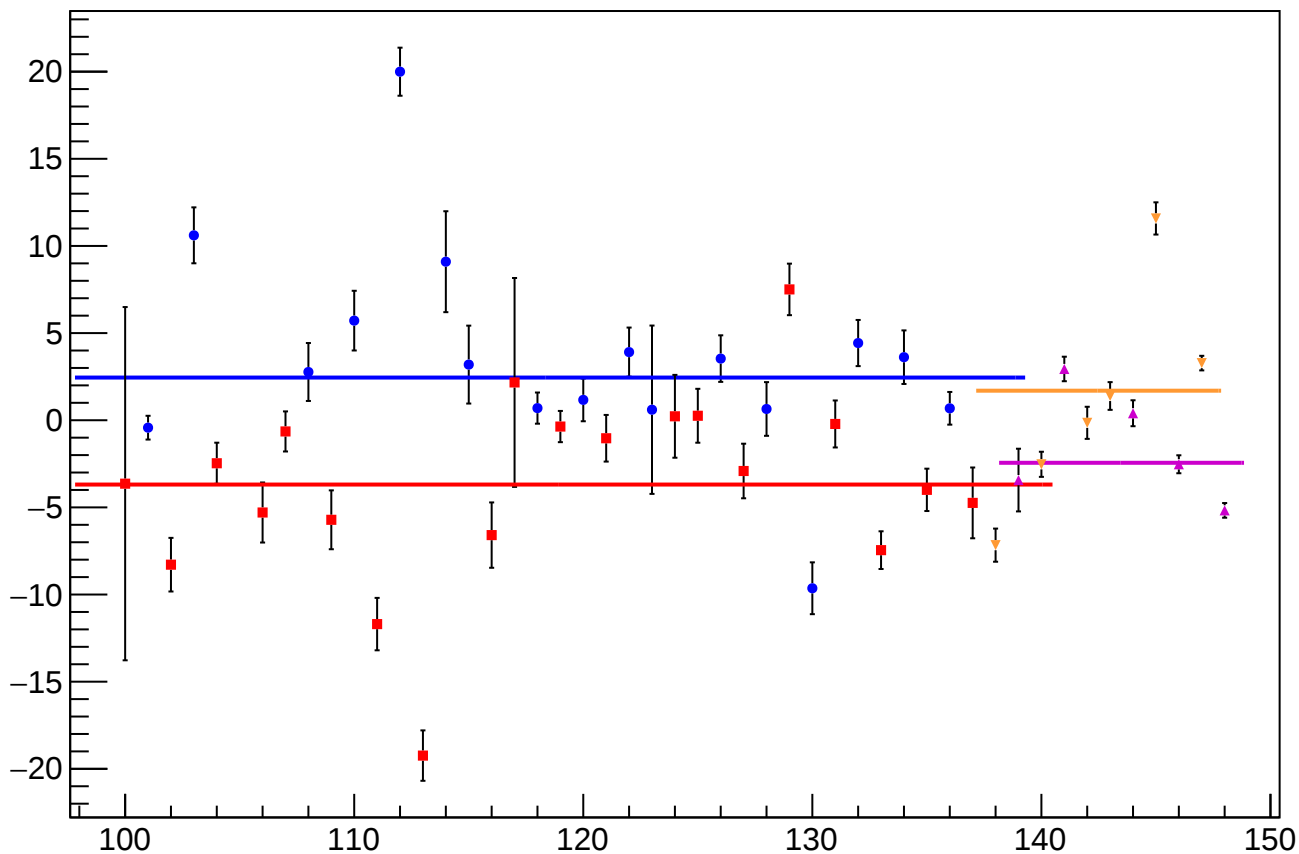
Left In: 37.305+/-0.425 χ^2/NDF : 88.3/4

-35.153+/-0.416 χ^2/NDF : 543.1/5

0.352+/-0.297 χ^2/NDF : 15466.3/10

37.305+/-0.425 χ^2/NDF : 88.3/4

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 $\chi^2/\text{NDF}: 295.3/16$

Left Out: 1.695 ± 0.281 $\chi^2/\text{NDF}: 254.1/5$

Right Out: -3.690 ± 0.326 $\chi^2/\text{NDF}: 270.4/19$

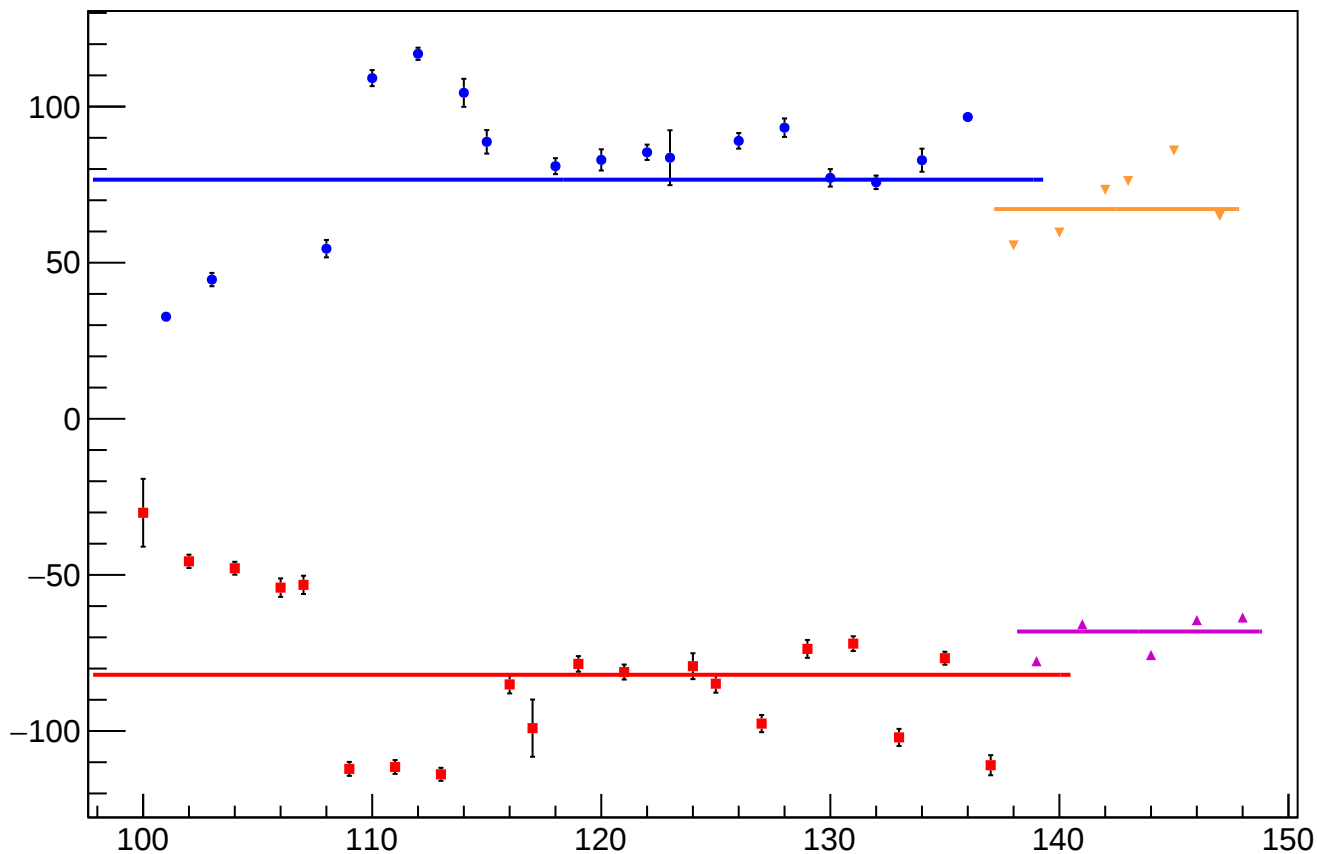
Left In: -2.442 ± 0.272 $\chi^2/\text{NDF}: 115.5/4$

2.030 ± 0.209 $\chi^2/\text{NDF}: 552.6/22$

-0.471 ± 0.148 $\chi^2/\text{NDF}: 1231.2/47$

-2.954 ± 0.209 $\chi^2/\text{NDF}: 394.5/24$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 ± 0.576 $\chi^2/\text{NDF}: 2255.1/16$

Left Out: 67.173 ± 0.430 $\chi^2/\text{NDF}: 542.2/5$

Right Out: -81.987 ± 0.591 $\chi^2/\text{NDF}: 1574.2/19$

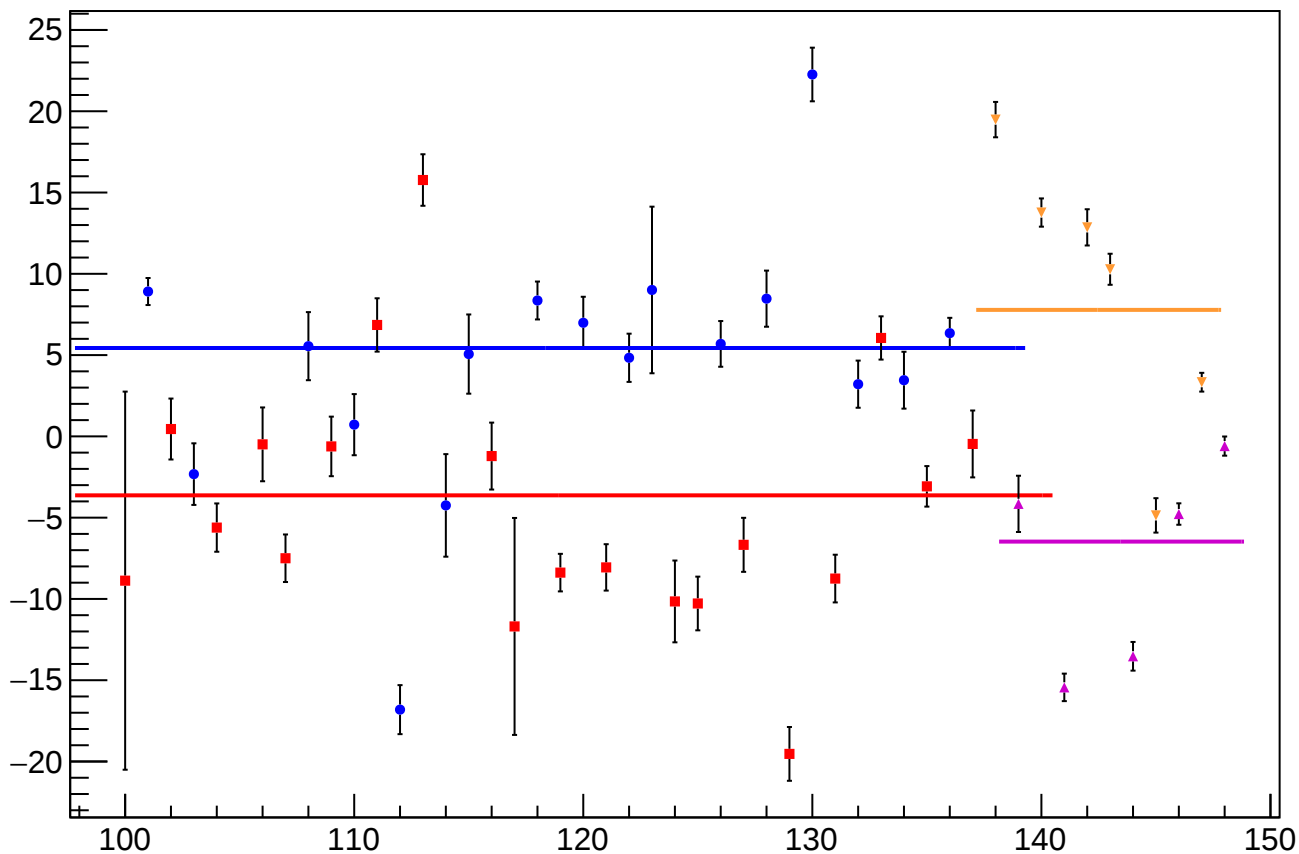
Left In: -68.136 ± 0.428 $\chi^2/\text{NDF}: 176.0/4$

70.544 ± 0.344 $\chi^2/\text{NDF}: 2969.3/22$

-0.758 ± 0.244 $\chi^2/\text{NDF}: 91264.3/47$

-72.901 ± 0.347 $\chi^2/\text{NDF}: 2110.8/24$

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 $\pm$ 0.360 χ^2/NDF : 387.2/16

Left Out: 7.781 $\pm$ 0.354 χ^2/NDF : 392.9/5

Right Out: -3.628 $\pm$ 0.374 χ^2/NDF : 424.8/19

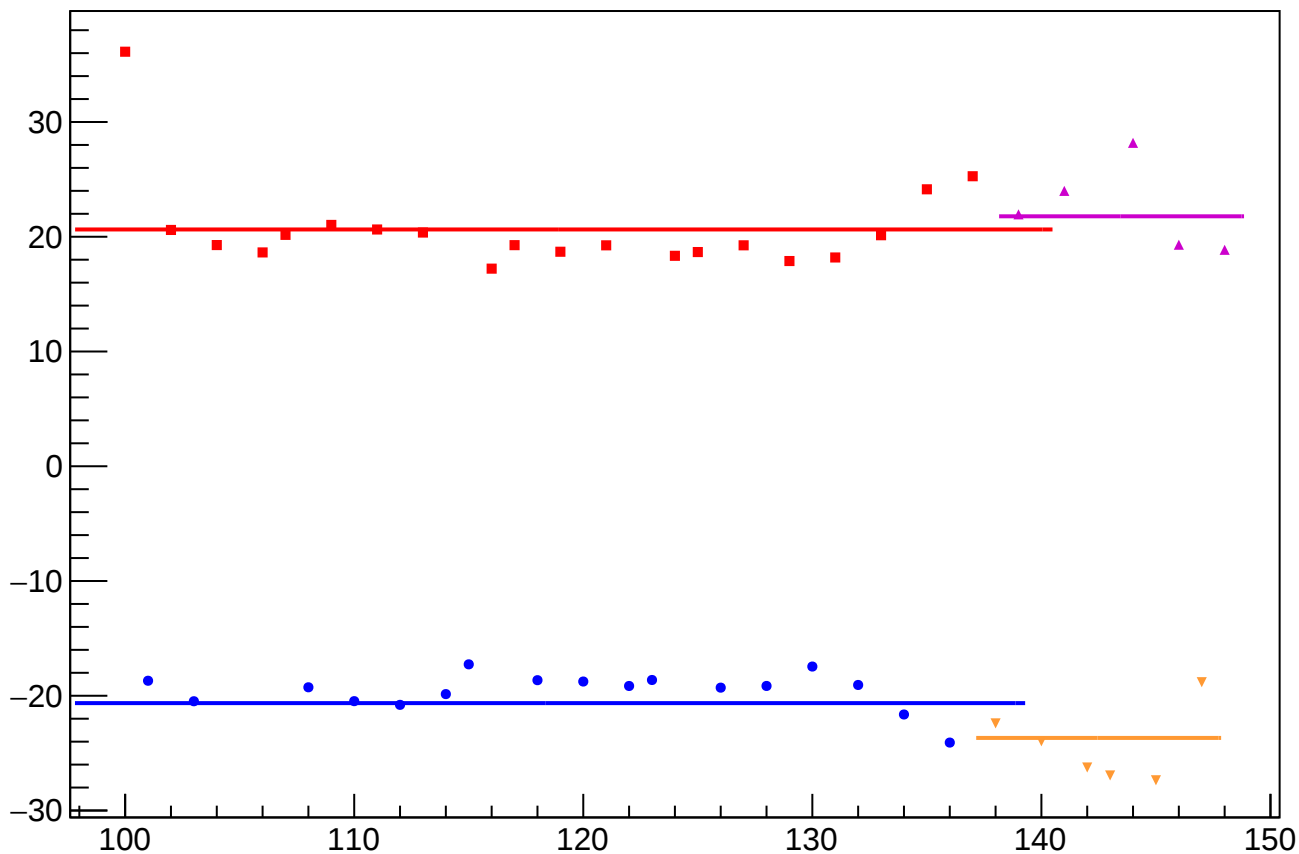
Left In: -6.473 $\pm$ 0.349 χ^2/NDF : 284.1/4

6.629 $\pm$ 0.253 χ^2/NDF : 801.6/22

0.805 $\pm$ 0.180 χ^2/NDF : 2616.1/47

-5.149 $\pm$ 0.255 χ^2/NDF : 739.8/24

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -23.675 ± 0.018 $\chi^2/\text{NDF}: 29506.7/5$

Right Out: 20.635 ± 0.019 $\chi^2/\text{NDF}: 13794.0/19$

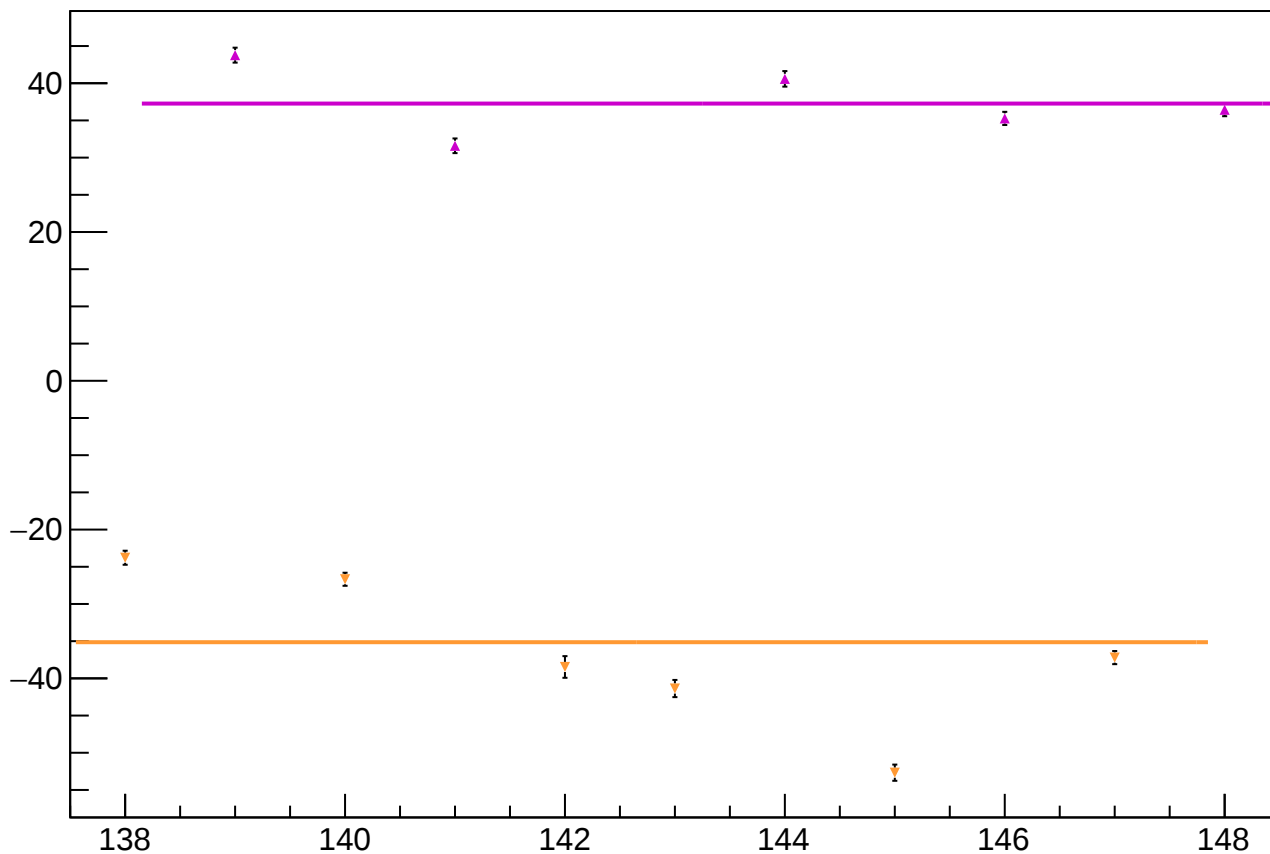
Left In: 21.782 ± 0.018 $\chi^2/\text{NDF}: 30961.7/4$

-22.254 ± 0.013 $\chi^2/\text{NDF}: 55013.2/22$

-0.346 ± 0.009 $\chi^2/\text{NDF}: 5543416.0/47$

21.257 ± 0.013 $\chi^2/\text{NDF}: 46645.3/24$

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.138+/-0.417 χ^2/NDF : 535.9/5

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

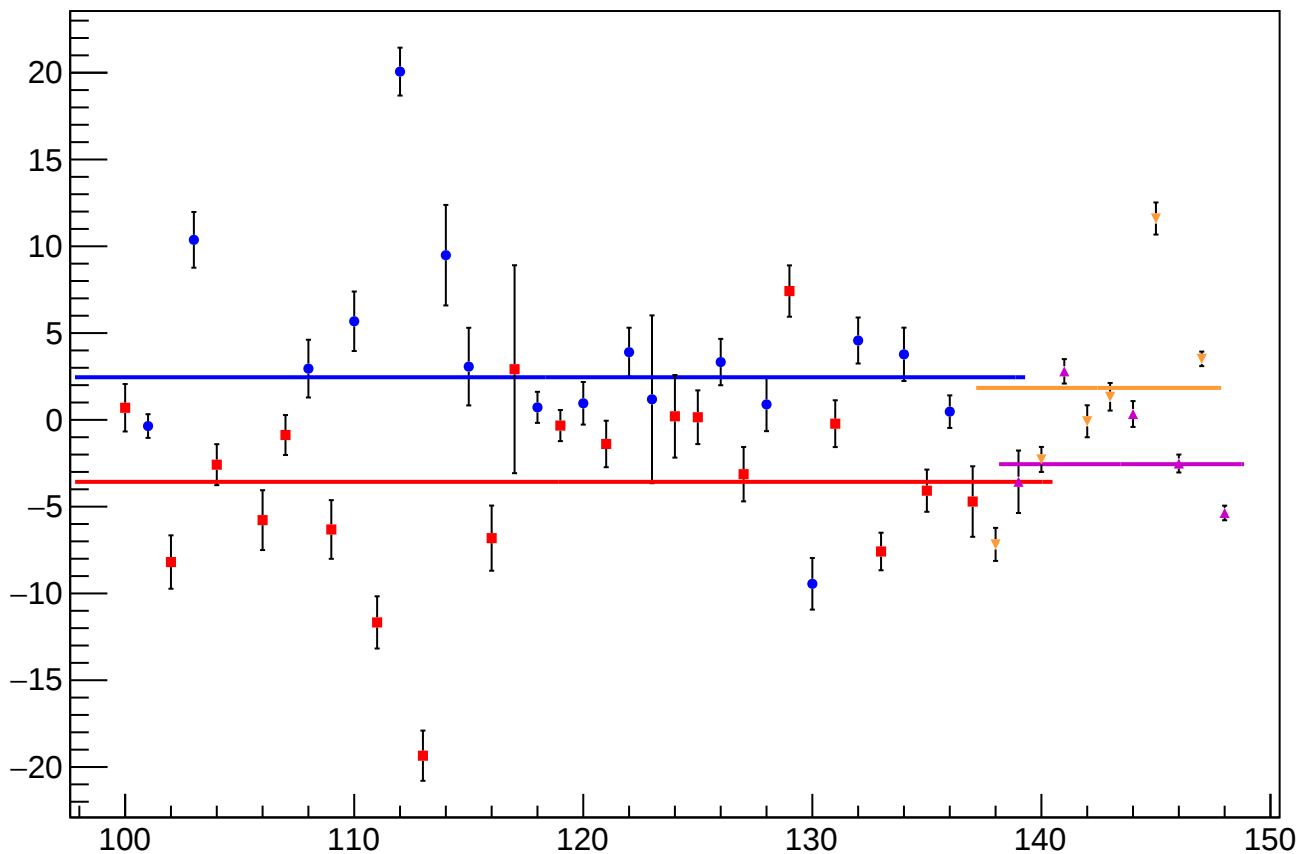
Left In: 37.265+/-0.425 χ^2/NDF : 91.2/4

-35.138+/-0.417 χ^2/NDF : 535.9/5

0.336+/-0.298 χ^2/NDF : 15420.7/10

37.265+/-0.425 χ^2/NDF : 91.2/4

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 $\chi^2/\text{NDF}: 293.5/16$

Left Out: 1.841 ± 0.281 $\chi^2/\text{NDF}: 254.6/5$

Right Out: -3.571 ± 0.317 $\chi^2/\text{NDF}: 281.0/19$

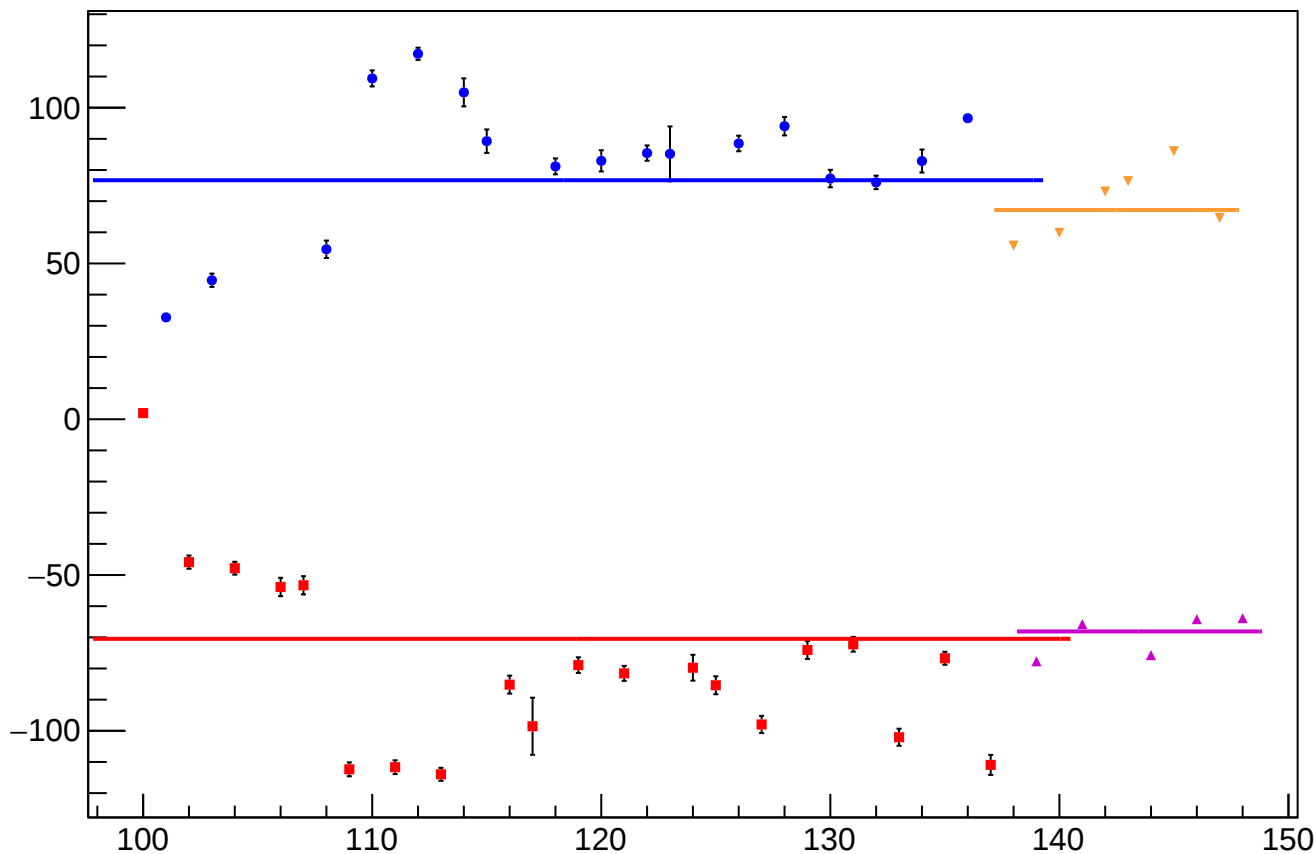
Left In: -2.552 ± 0.272 $\chi^2/\text{NDF}: 117.7/4$

2.114 ± 0.210 $\chi^2/\text{NDF}: 550.2/22$

-0.473 ± 0.147 $\chi^2/\text{NDF}: 1255.0/47$

-2.984 ± 0.206 $\chi^2/\text{NDF}: 404.6/24$

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: 67.161 $\pm$ 0.430 χ^2 /NDF: 542.4/5

Right Out: -70.477 $\pm$ 0.549 χ^2 /NDF: 4400.1/19

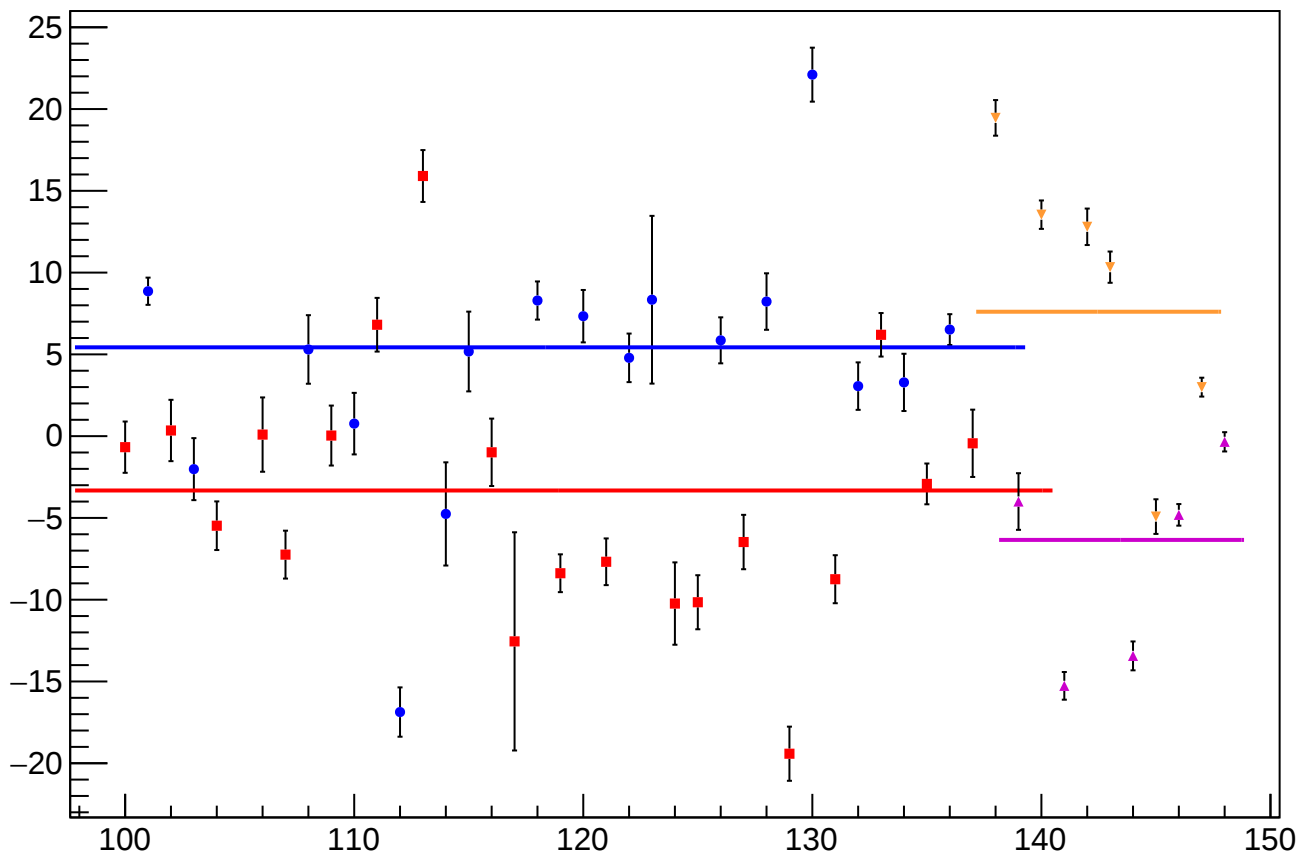
Left In: -68.112 $\pm$ 0.428 χ^2 /NDF: 178.1/4

70.577 $\pm$ 0.345 χ^2 /NDF: 2985.5/22

-0.669 $\pm$ 0.241 χ^2 /NDF: 91280.8/47

-69.007 $\pm$ 0.338 χ^2 /NDF: 4589.7/24

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: 7.608 $\pm$ 0.354 χ^2/NDF : 398.6/5

Right Out: -3.323 $\pm$ 0.365 χ^2/NDF : 428.0/19

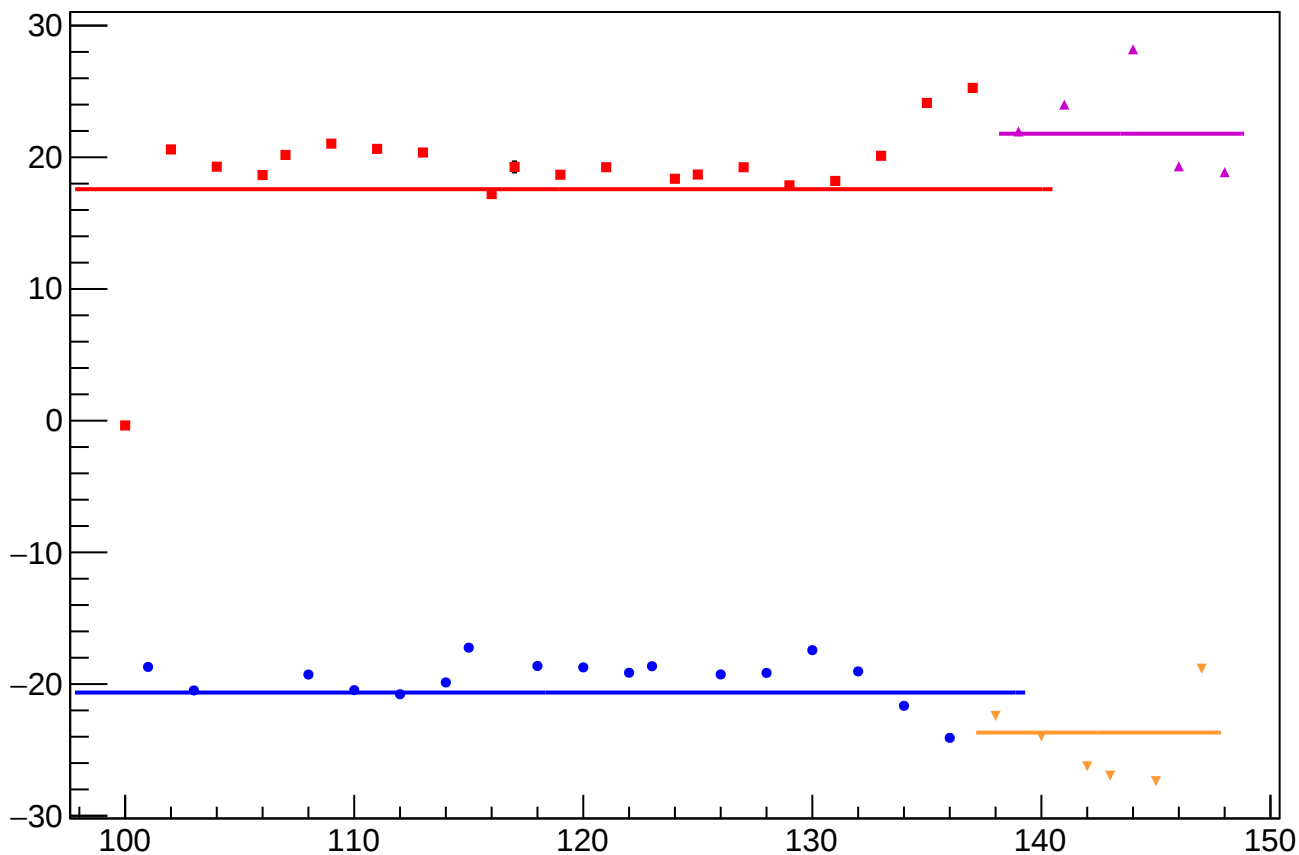
Left In: -6.344 $\pm$ 0.350 χ^2/NDF : 286.3/4

6.538 $\pm$ 0.253 χ^2/NDF : 803.0/22

0.810 $\pm$ 0.179 χ^2/NDF : 2578.2/47

-4.897 $\pm$ 0.252 χ^2/NDF : 750.1/24

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: -23.684+/-0.018 χ^2/NDF : 29412.2/5

Right Out: 17.577+/-0.018 χ^2/NDF : 178343.3/19

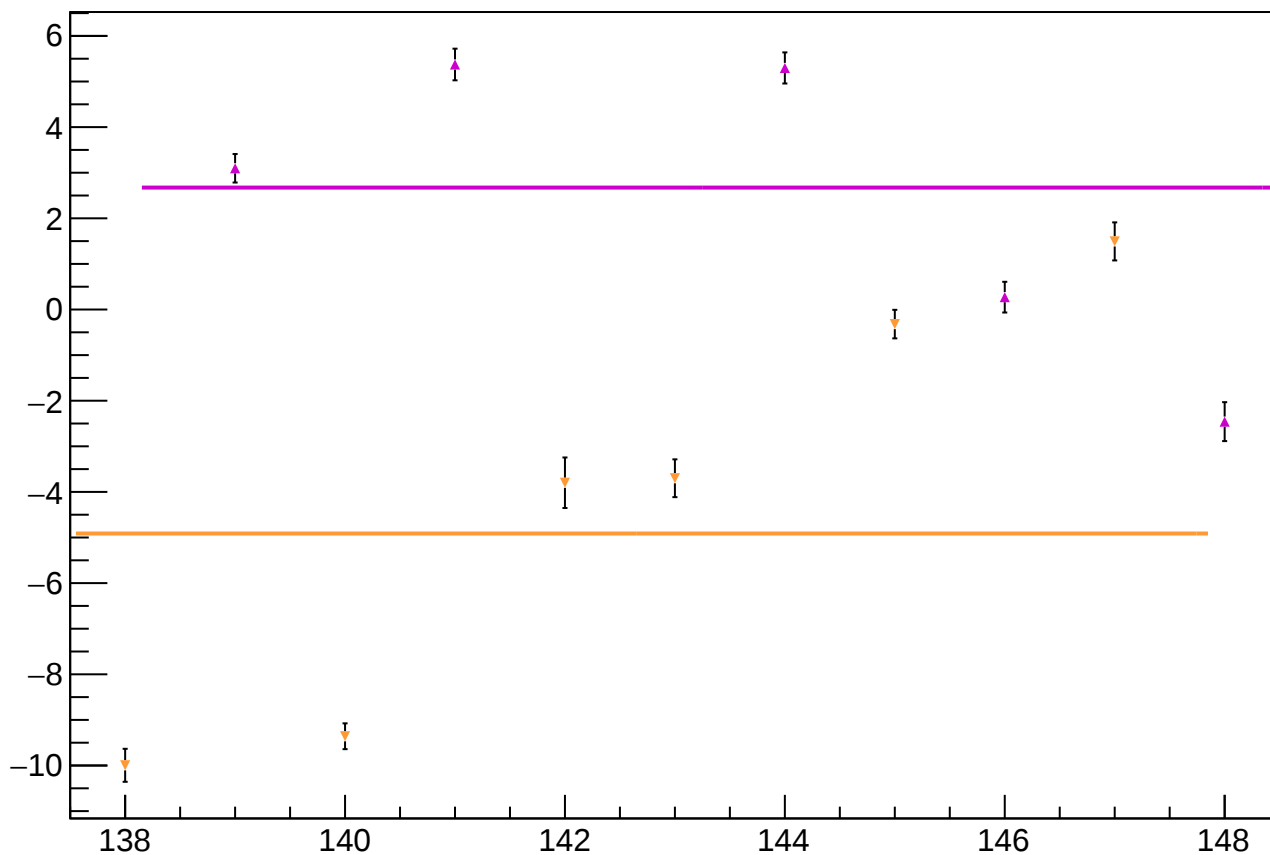
Left In: 21.791+/-0.018 χ^2/NDF : 30936.1/4

-22.260+/-0.013 χ^2/NDF : 55012.8/22

-0.371+/-0.009 χ^2/NDF : 5529349.7/47

19.704+/-0.013 χ^2/NDF : 236883.8/24

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -4.912+/-0.149 χ^2/NDF : 908.1/5

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

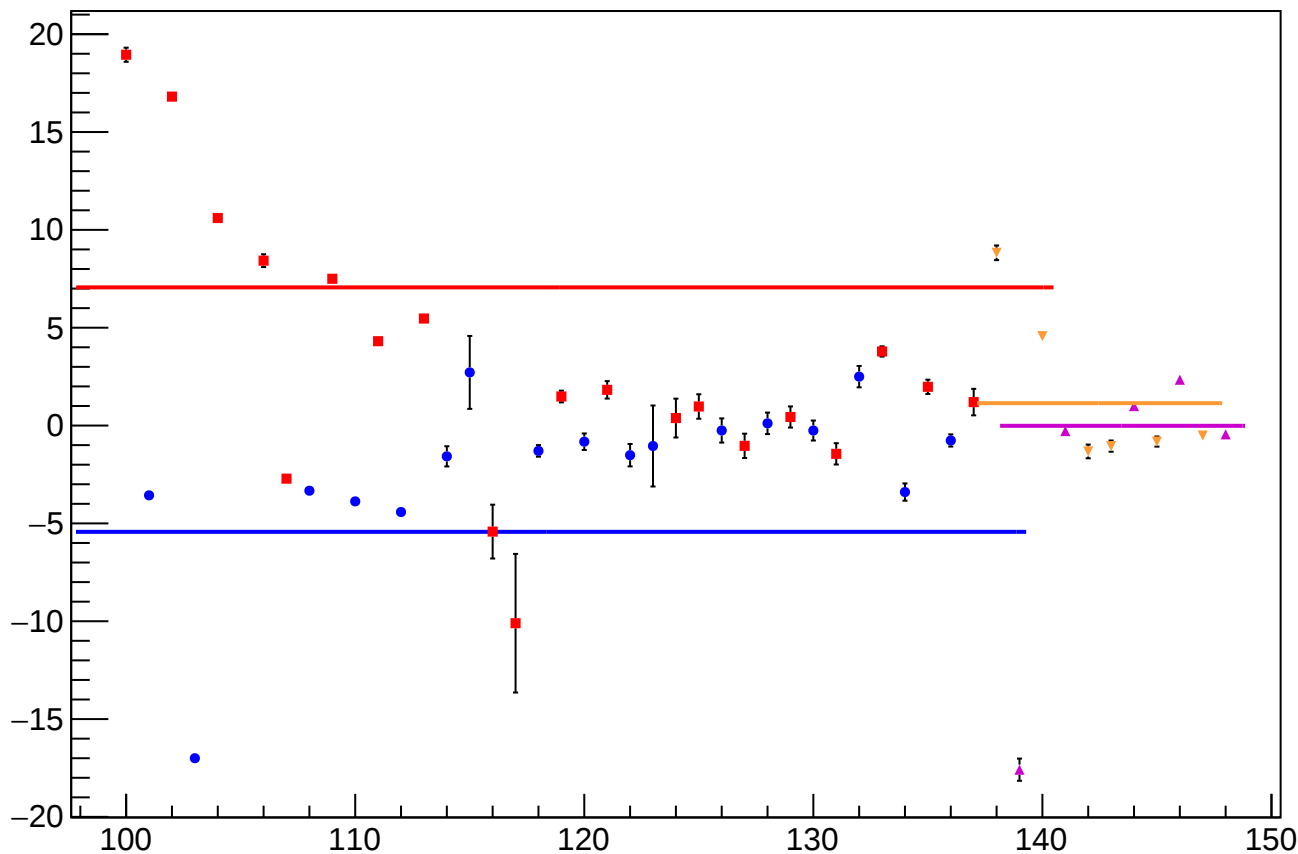
Left In: 2.674+/-0.155 χ^2/NDF : 317.1/4

-4.912+/-0.149 χ^2/NDF : 908.1/5

-1.281+/-0.107 χ^2/NDF : 2469.4/10

2.674+/-0.155 χ^2/NDF : 317.1/4

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 1.144 ± 0.108 χ^2/NDF : 866.3/5

Right Out: 7.061 ± 0.059 χ^2/NDF : 12330.1/19

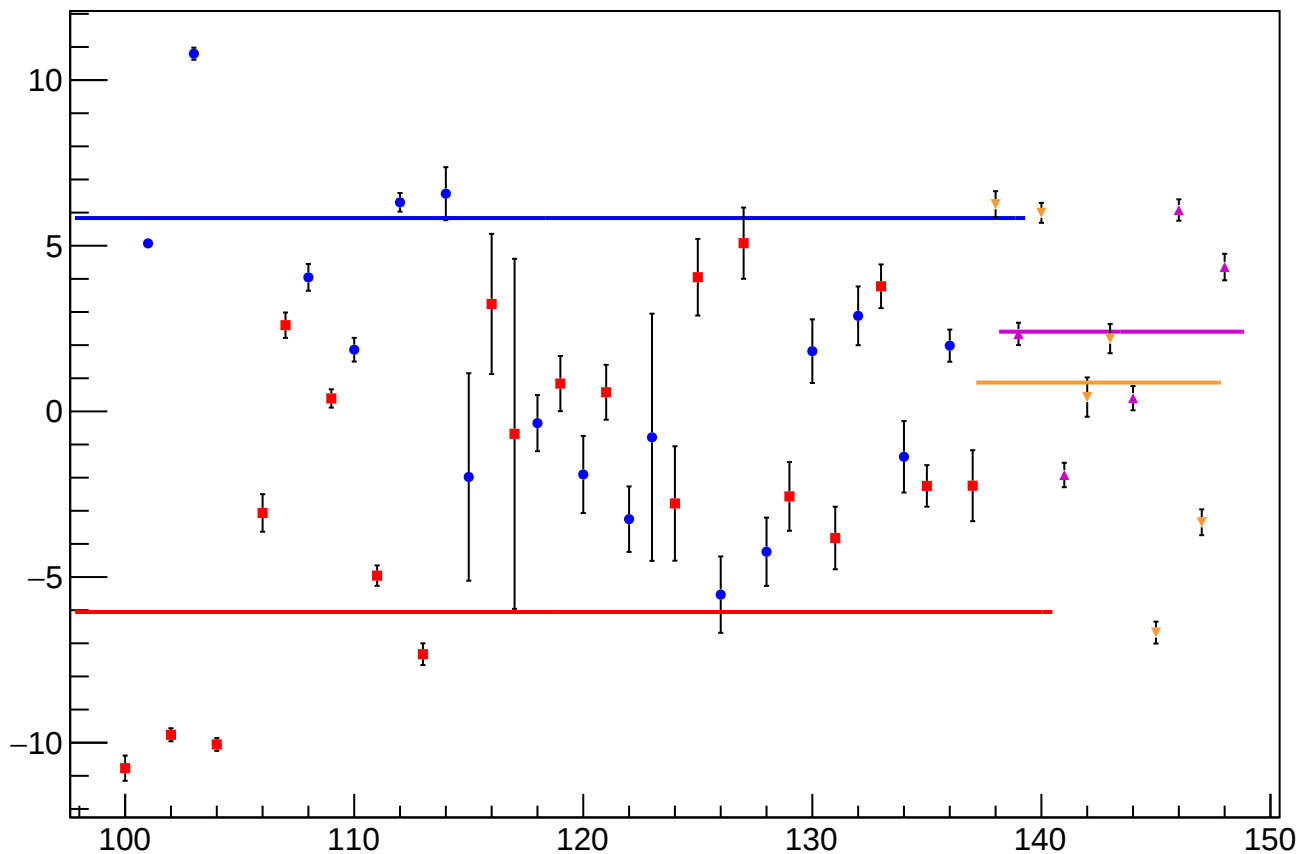
Left In: -0.013 ± 0.112 χ^2/NDF : 1103.2/4

-4.090 ± 0.049 χ^2/NDF : 13028.5/22

0.407 ± 0.036 χ^2/NDF : 47626.7/47

5.514 ± 0.052 χ^2/NDF : 16575.3/24

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: 0.870 ± 0.156 $\chi^2/\text{NDF}: 1125.0/5$

Right Out: -6.056 ± 0.093 $\chi^2/\text{NDF}: 2669.9/19$

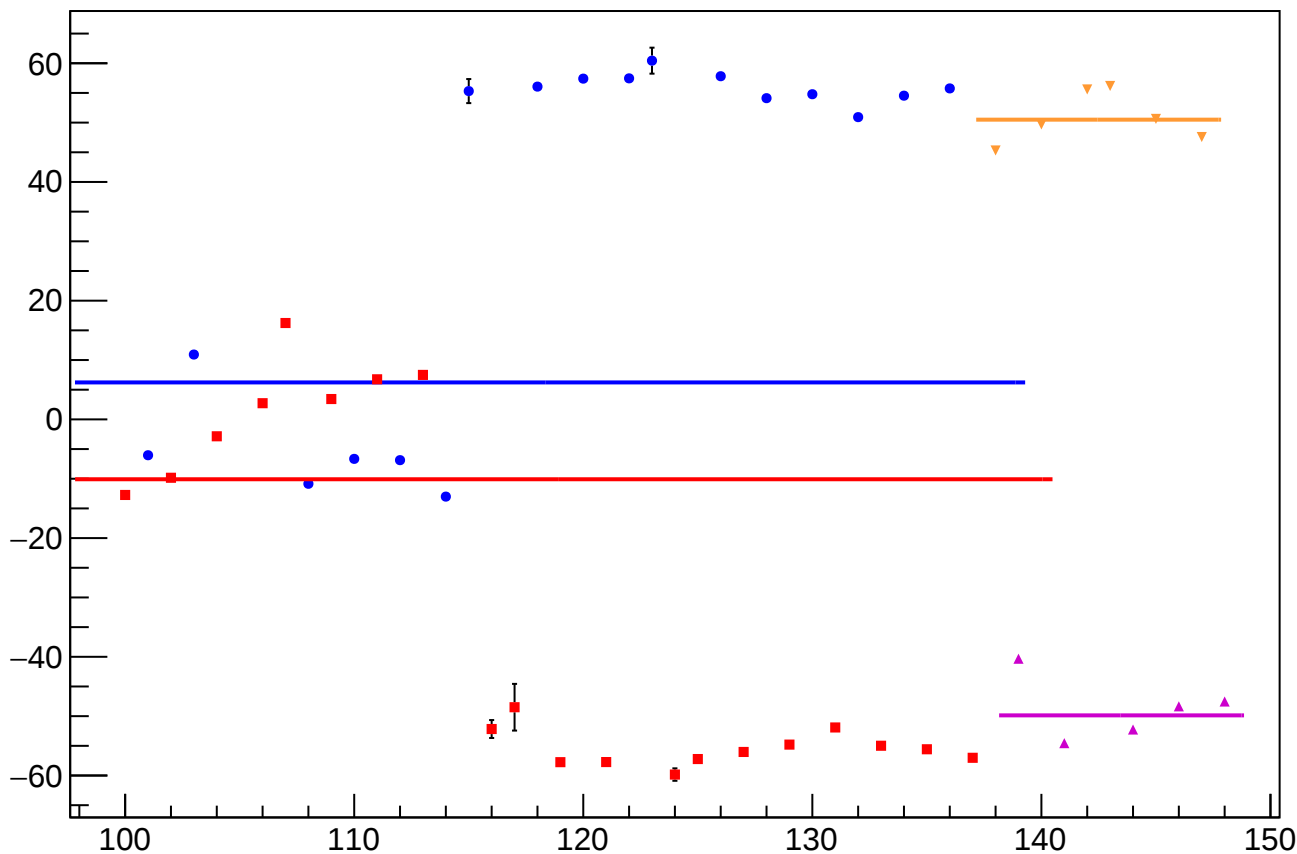
Left In: 2.406 ± 0.159 $\chi^2/\text{NDF}: 320.8/4$

4.601 ± 0.078 $\chi^2/\text{NDF}: 3329.0/22$

0.504 ± 0.056 $\chi^2/\text{NDF}: 14183.9/47$

-3.892 ± 0.081 $\chi^2/\text{NDF}: 5093.4/24$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 ± 0.065 $\chi^2/\text{NDF}: 120955.1/16$

Left Out: 50.497 ± 0.133 $\chi^2/\text{NDF}: 687.9/5$

Right Out: -10.087 ± 0.070 $\chi^2/\text{NDF}: 122144.7/19$

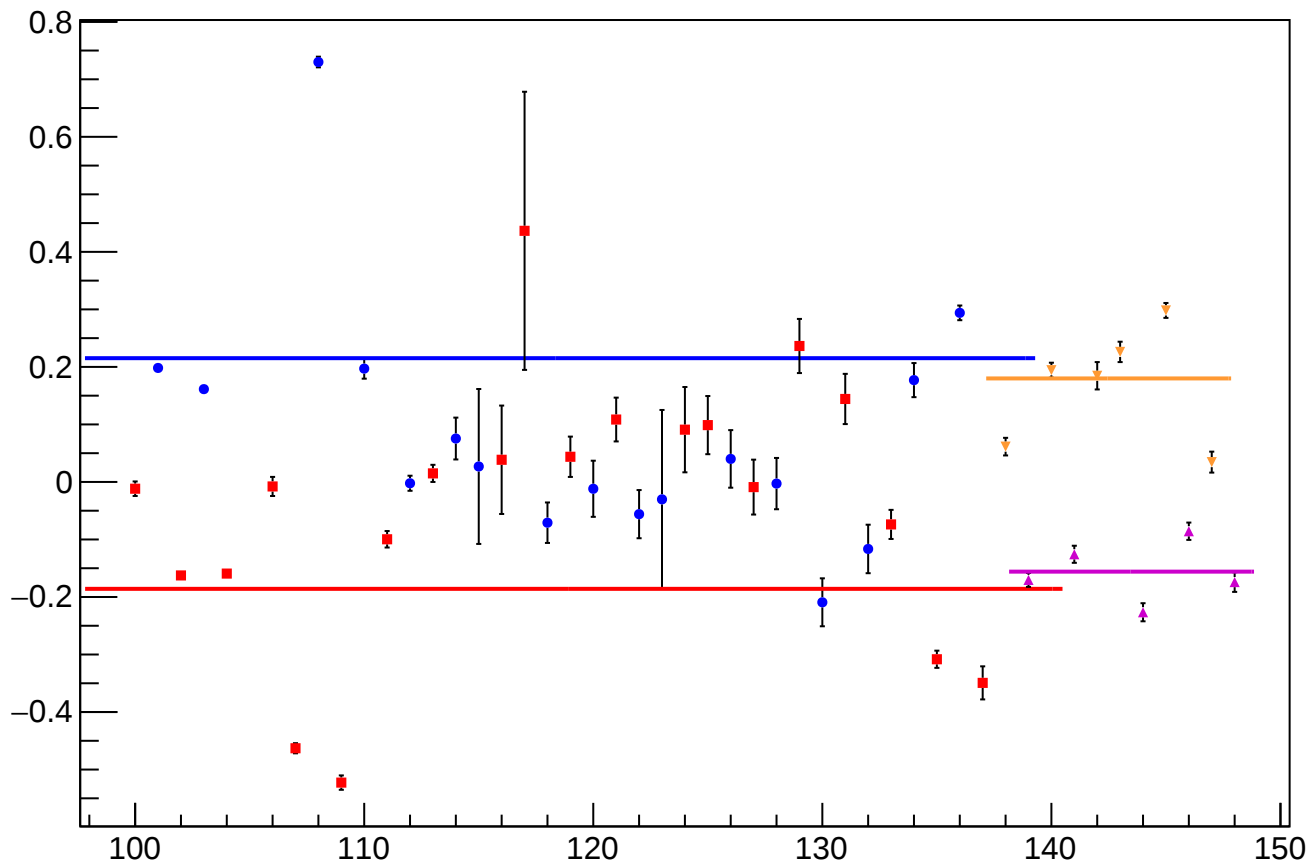
Left In: -49.866 ± 0.138 $\chi^2/\text{NDF}: 715.6/4$

14.734 ± 0.058 $\chi^2/\text{NDF}: 211262.6/22$

-0.641 ± 0.043 $\chi^2/\text{NDF}: 549389.6/47$

-18.179 ± 0.062 $\chi^2/\text{NDF}: 189071.4/24$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.180 $\pm$ 0.006 χ^2 /NDF:215.0/5

Right Out: -0.186 $\pm$ 0.003 χ^2 /NDF: 2724.7/19

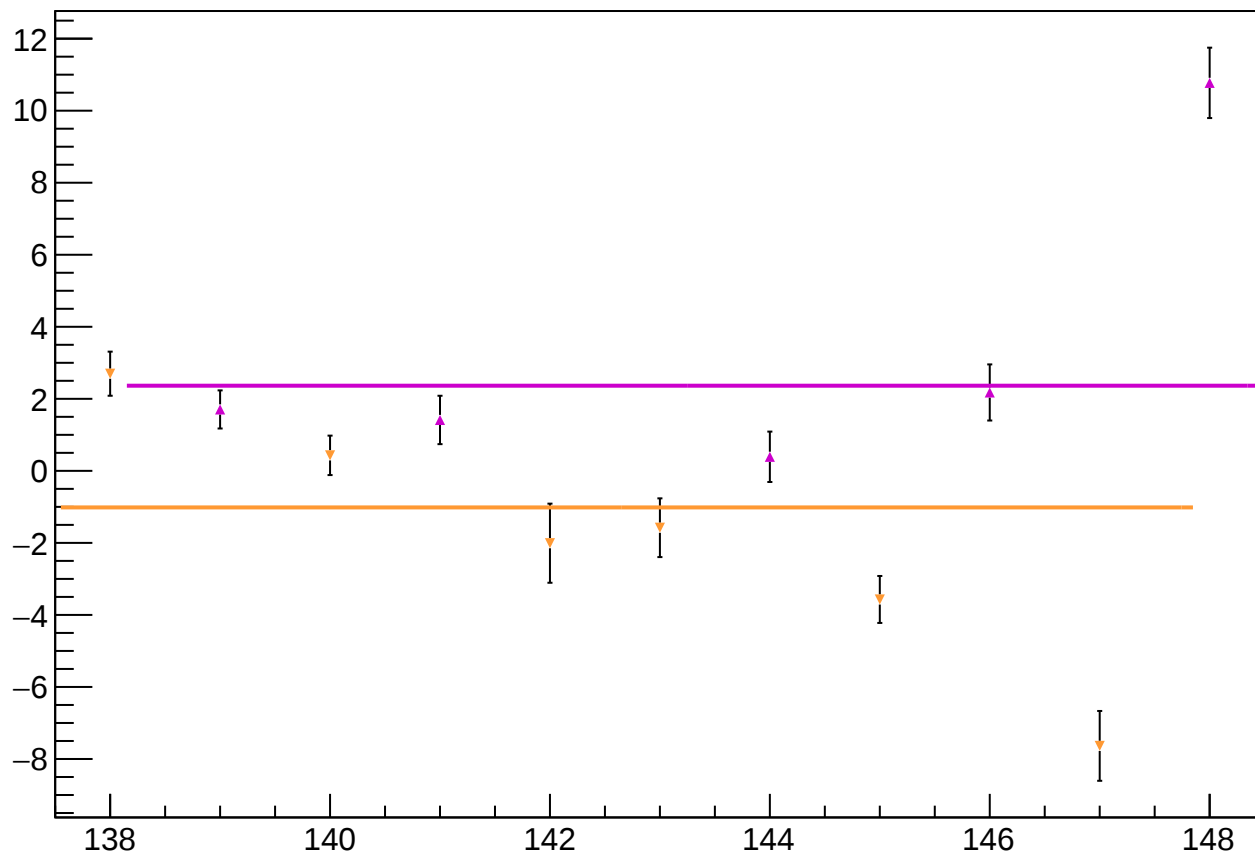
Left In: -0.156 $\pm$ 0.007 χ^2 /NDF:48.6/4

0.210 $\pm$ 0.003 χ^2 /NDF: 4166.1/22

0.010 $\pm$ 0.002 χ^2 /NDF: 19049.4/47

-0.182 $\pm$ 0.002 χ^2 /NDF: 2791.2/24

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.015+/-0.292 χ^2/NDF : 107.1/5

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

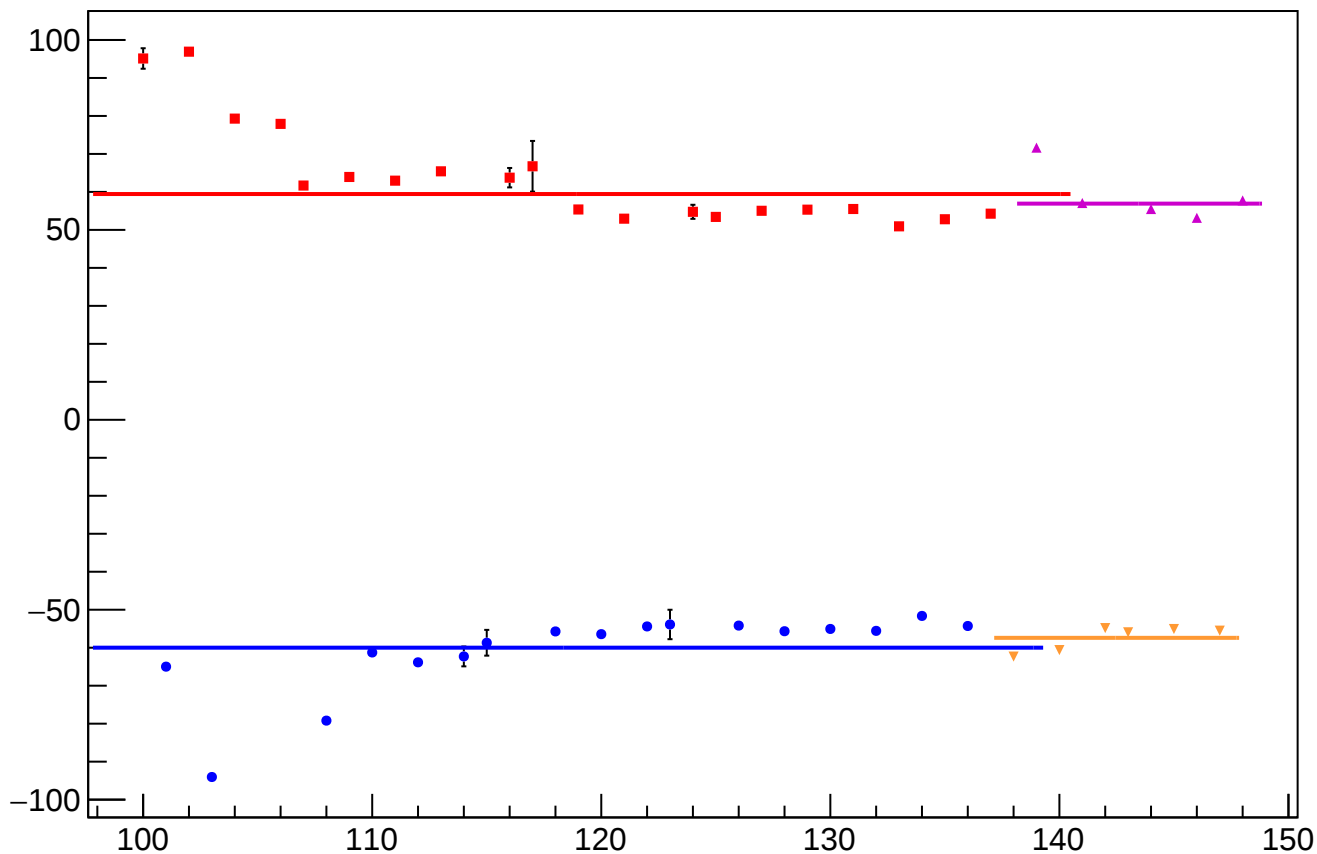
Left In: 2.364+/-0.308 χ^2/NDF : 85.6/4

-1.015+/-0.292 χ^2/NDF : 107.1/5

0.582+/-0.212 χ^2/NDF : 256.1/10

2.364+/-0.308 χ^2/NDF : 85.6/4

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -57.403 ± 0.223 χ^2/NDF : 158.1/5

Right Out: 59.442 ± 0.212 χ^2/NDF : 2919.1/19

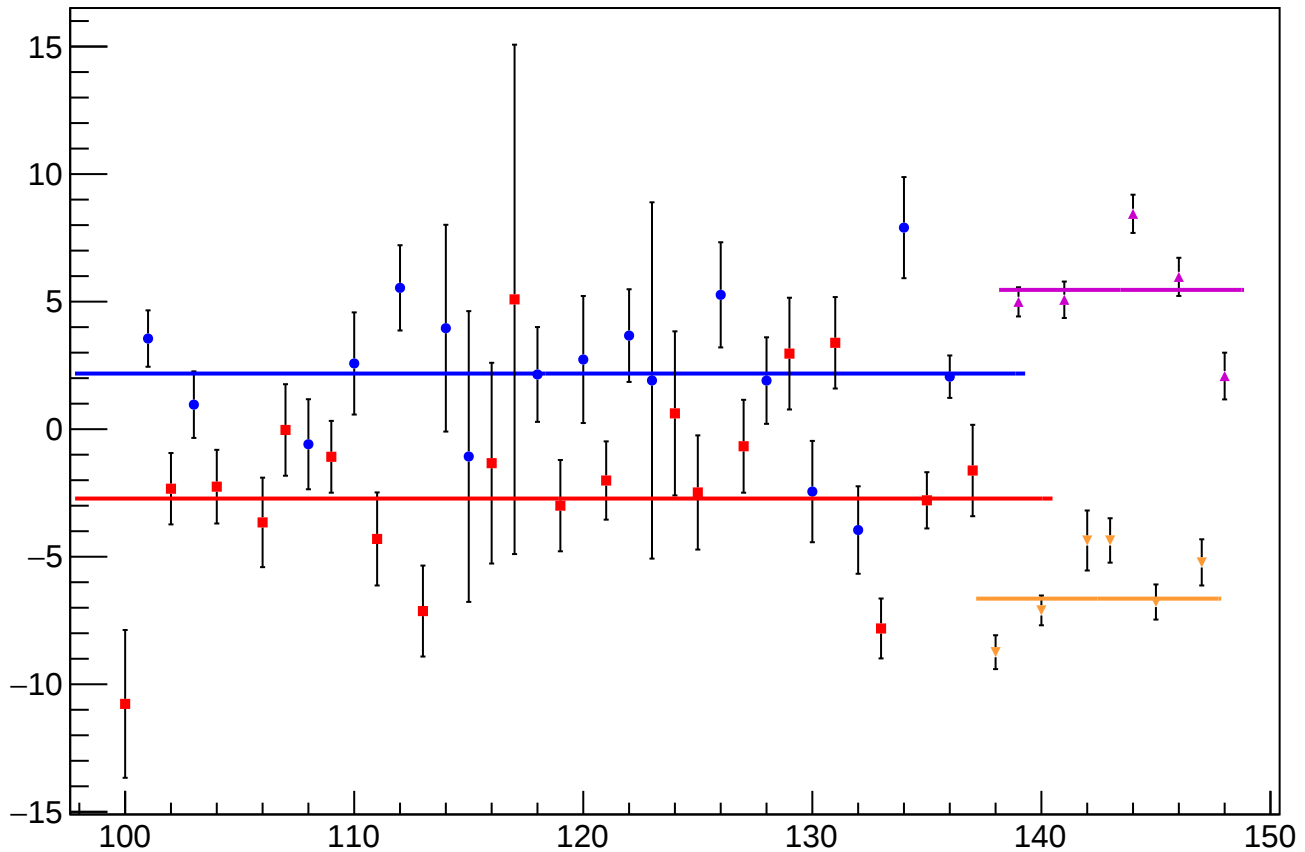
Left In: 56.915 ± 0.239 χ^2/NDF : 303.4/4

-58.686 ± 0.158 χ^2/NDF : 2197.9/22

-0.231 ± 0.112 χ^2/NDF : 278157.3/47

58.330 ± 0.159 χ^2/NDF : 3285.1/24

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -6.643 ± 0.307 $\chi^2/\text{NDF}: 23.7/5$

Right Out: -2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

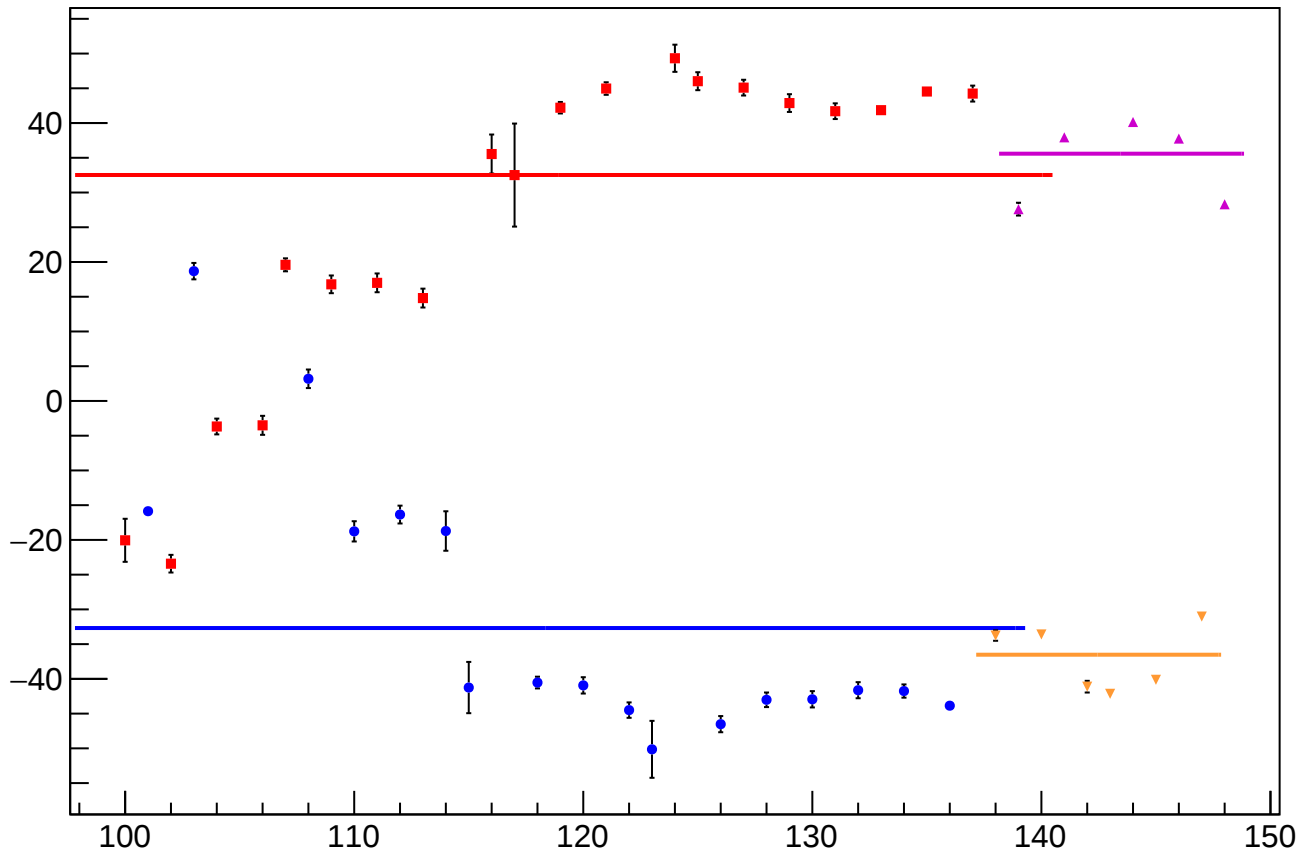
Left In: 5.461 ± 0.320 $\chi^2/\text{NDF}: 30.9/4$

-3.423 ± 0.245 $\chi^2/\text{NDF}: 363.3/22$

-0.656 ± 0.174 $\chi^2/\text{NDF}: 975.3/47$

2.148 ± 0.247 $\chi^2/\text{NDF}: 355.3/24$

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: -36.523 ± 0.270 $\chi^2/\text{NDF}: 248.1/5$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

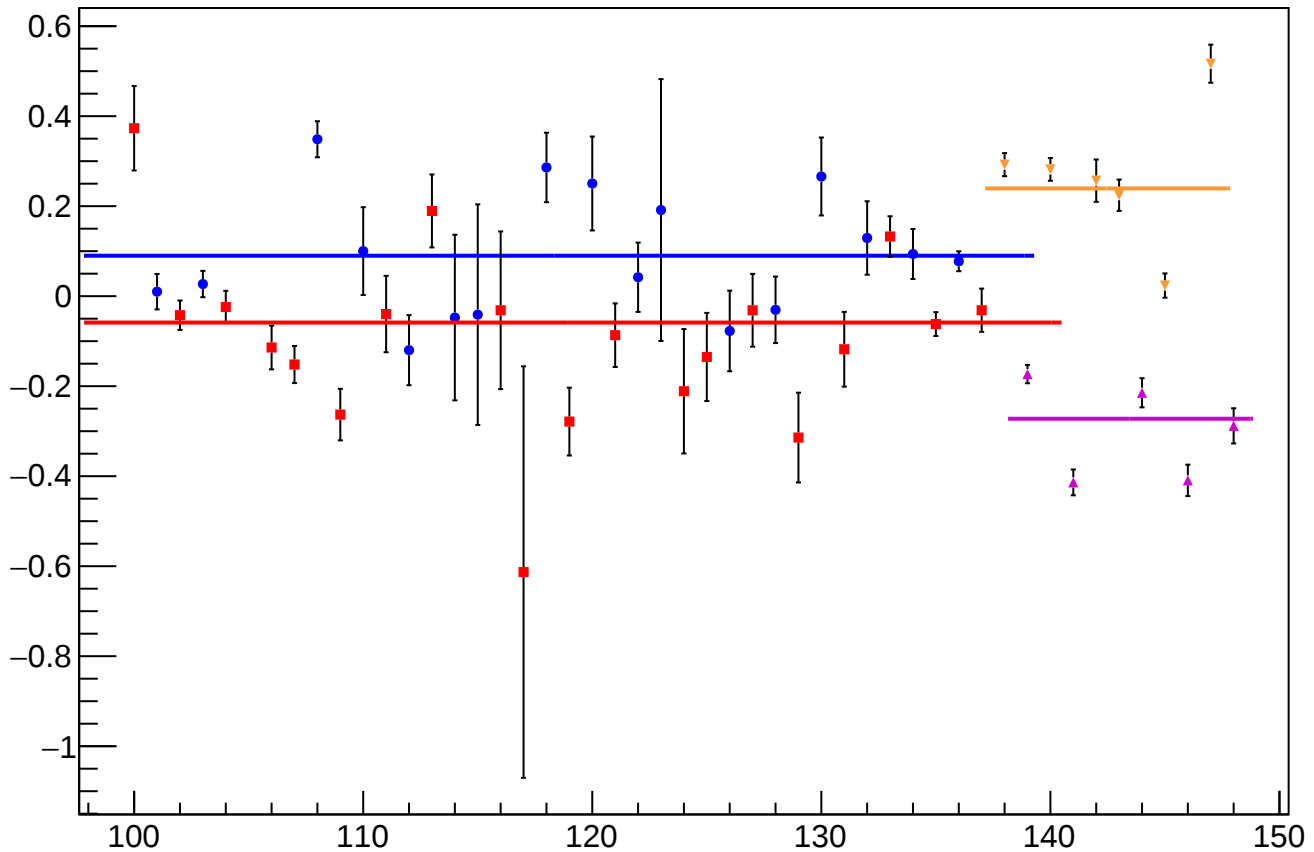
Left In: 35.588 ± 0.291 $\chi^2/\text{NDF}: 280.7/4$

-34.498 ± 0.186 $\chi^2/\text{NDF}: 5001.6/22$

-0.569 ± 0.132 $\chi^2/\text{NDF}: 78582.4/47$

33.788 ± 0.187 $\chi^2/\text{NDF}: 6391.3/24$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.239 ± 0.013 χ^2/NDF : 114.3/5

Right Out: -0.059 ± 0.012 χ^2/NDF : 88.6/19

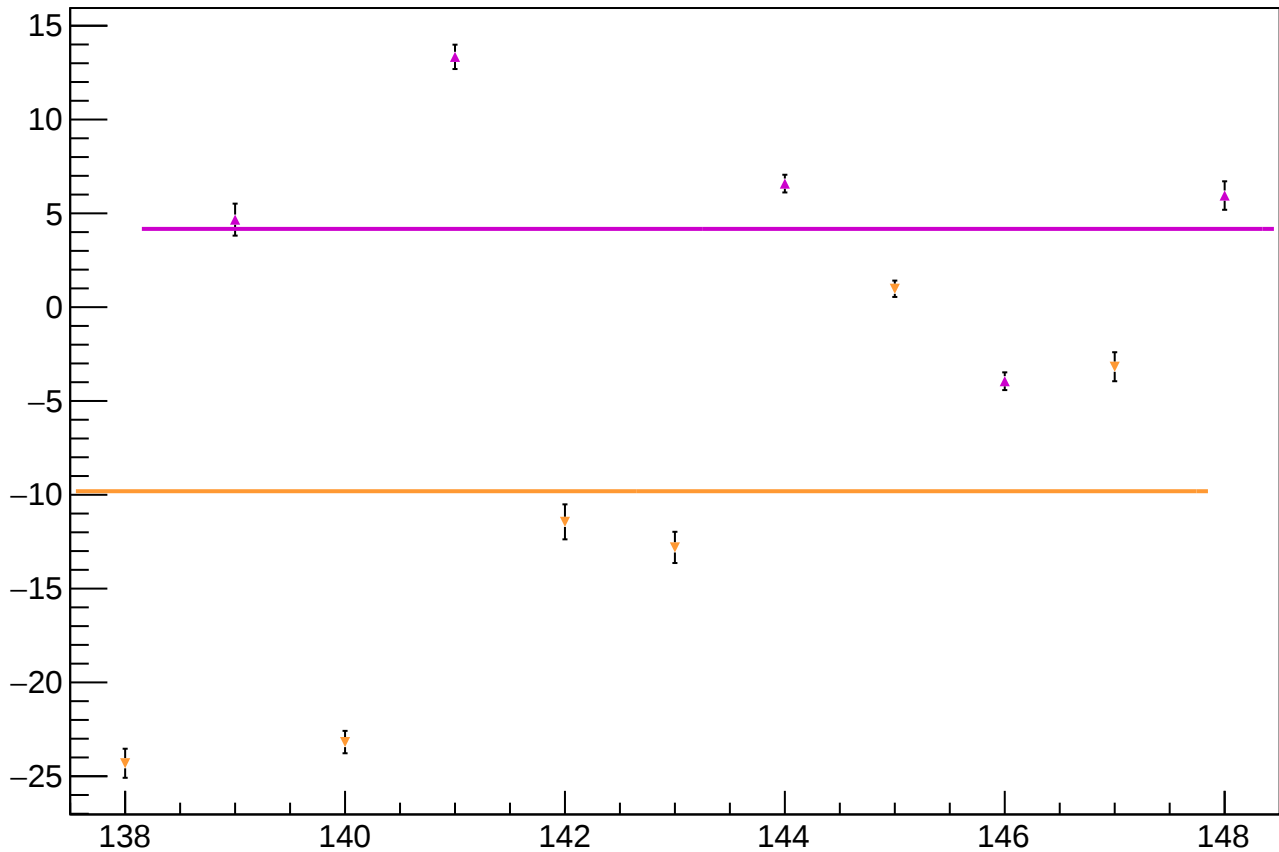
Left In: -0.272 ± 0.013 χ^2/NDF : 66.7/4

0.166 ± 0.009 χ^2/NDF : 262.7/22

0.001 ± 0.006 χ^2/NDF : 1230.8/47

-0.160 ± 0.009 χ^2/NDF : 301.0/24

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.810+/-0.267 χ^2/NDF : 1554.6/5

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

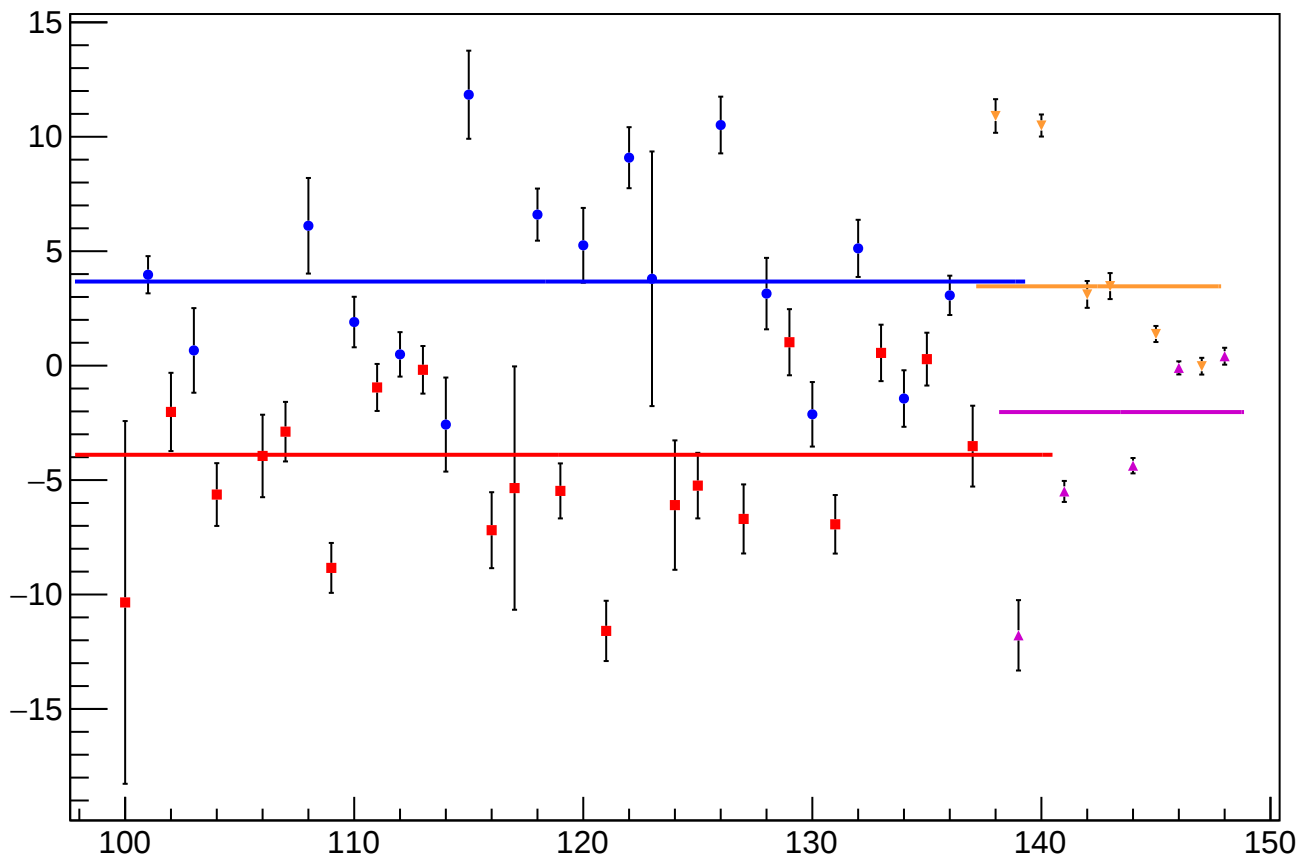
Left In: 4.172+/-0.263 χ^2/NDF : 526.6/4

-9.810+/-0.267 χ^2/NDF : 1554.6/5

-2.710+/-0.187 χ^2/NDF : 3471.4/10

4.172+/-0.263 χ^2/NDF : 526.6/4

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 3.466 ± 0.190 χ^2/NDF : 441.3/5

Right Out: -3.895 ± 0.316 χ^2/NDF : 133.8/19

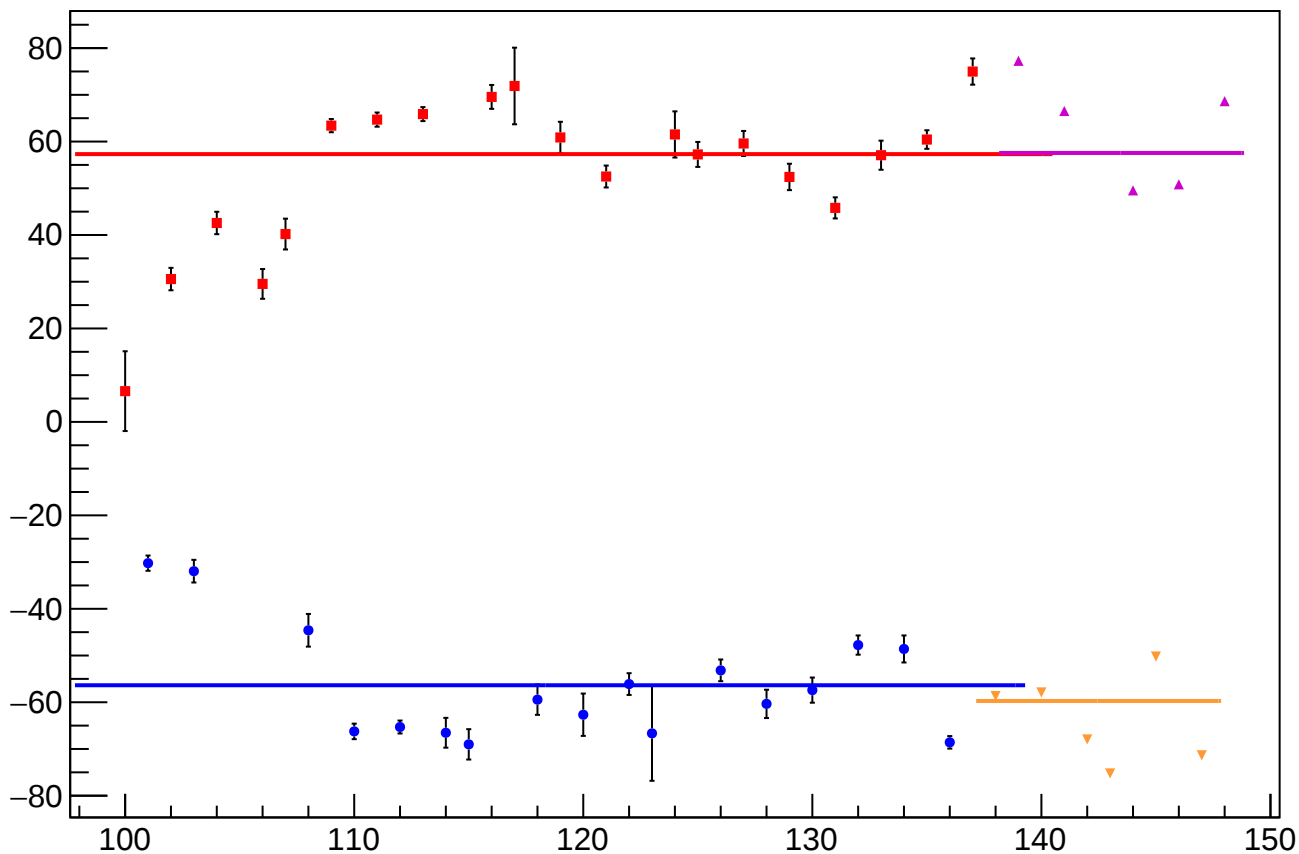
Left In: -2.028 ± 0.173 χ^2/NDF : 234.9/4

3.523 ± 0.162 χ^2/NDF : 576.8/22

0.333 ± 0.111 χ^2/NDF : 1699.5/47

-2.459 ± 0.152 χ^2/NDF : 395.6/24

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: -59.724 ± 0.280 χ^2/NDF : 1063.6/5

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

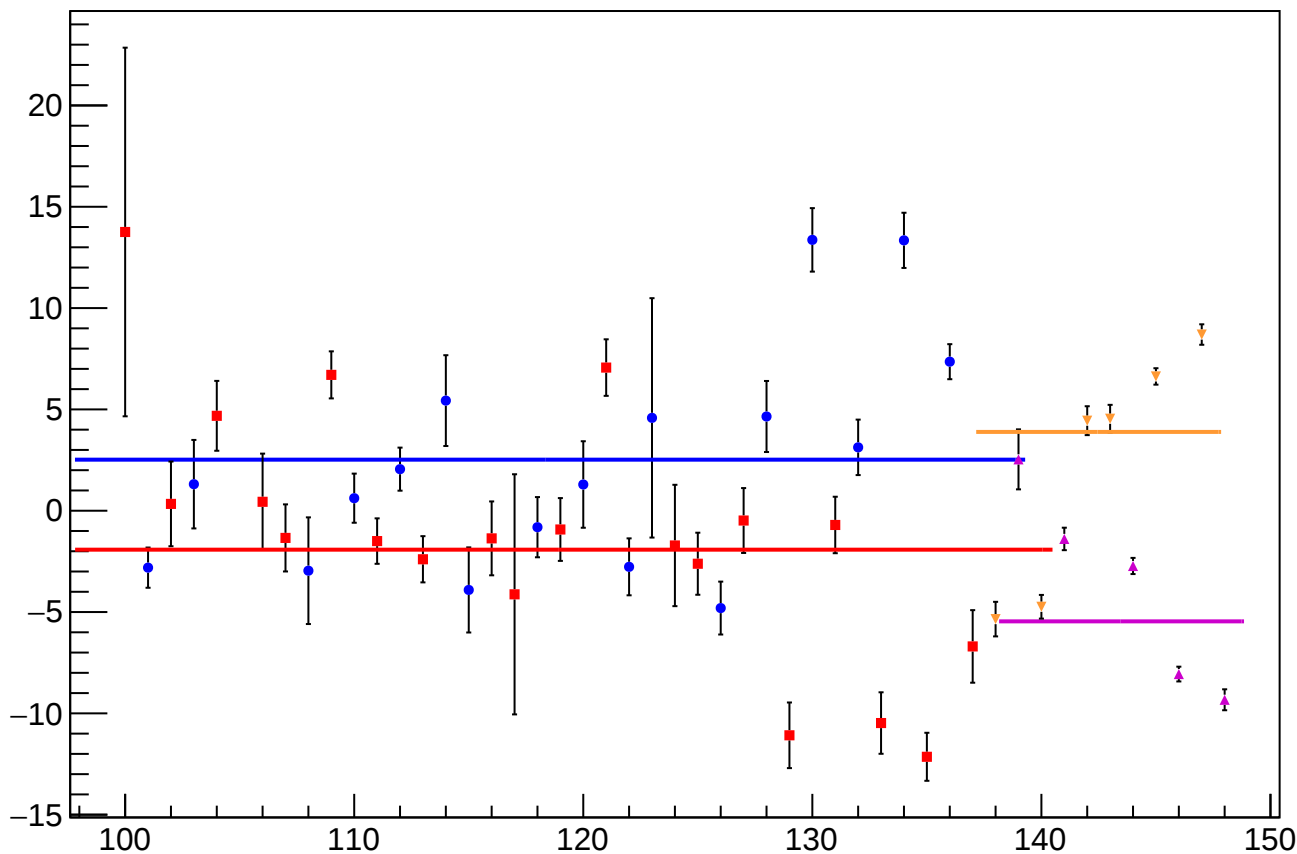
Left In: 57.558 ± 0.267 χ^2/NDF : 1337.8/4

-59.018 ± 0.249 χ^2/NDF : 1681.1/22

1.634 ± 0.172 χ^2/NDF : 117475.1/47

57.509 ± 0.239 χ^2/NDF : 1817.1/24

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 3.889 ± 0.233 χ^2/NDF : 473.2/5

Right Out: -1.922 ± 0.354 χ^2/NDF : 264.7/19

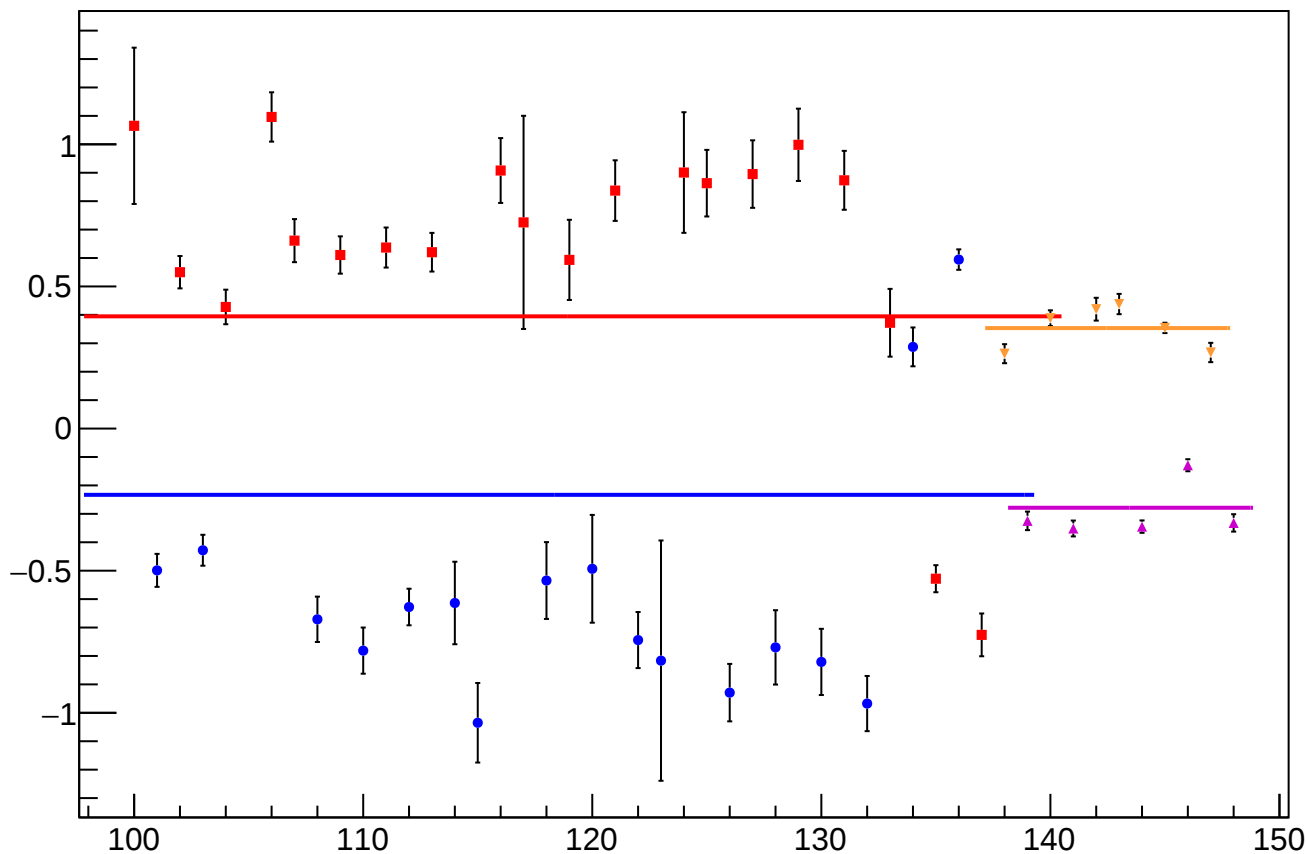
Left In: -5.460 ± 0.217 χ^2/NDF : 236.9/4

3.464 ± 0.193 χ^2/NDF : 726.2/22

-0.696 ± 0.134 χ^2/NDF : 2184.7/47

-4.496 ± 0.185 χ^2/NDF : 574.2/24

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: 0.354 ± 0.012 χ^2/NDF : 23.6/5

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

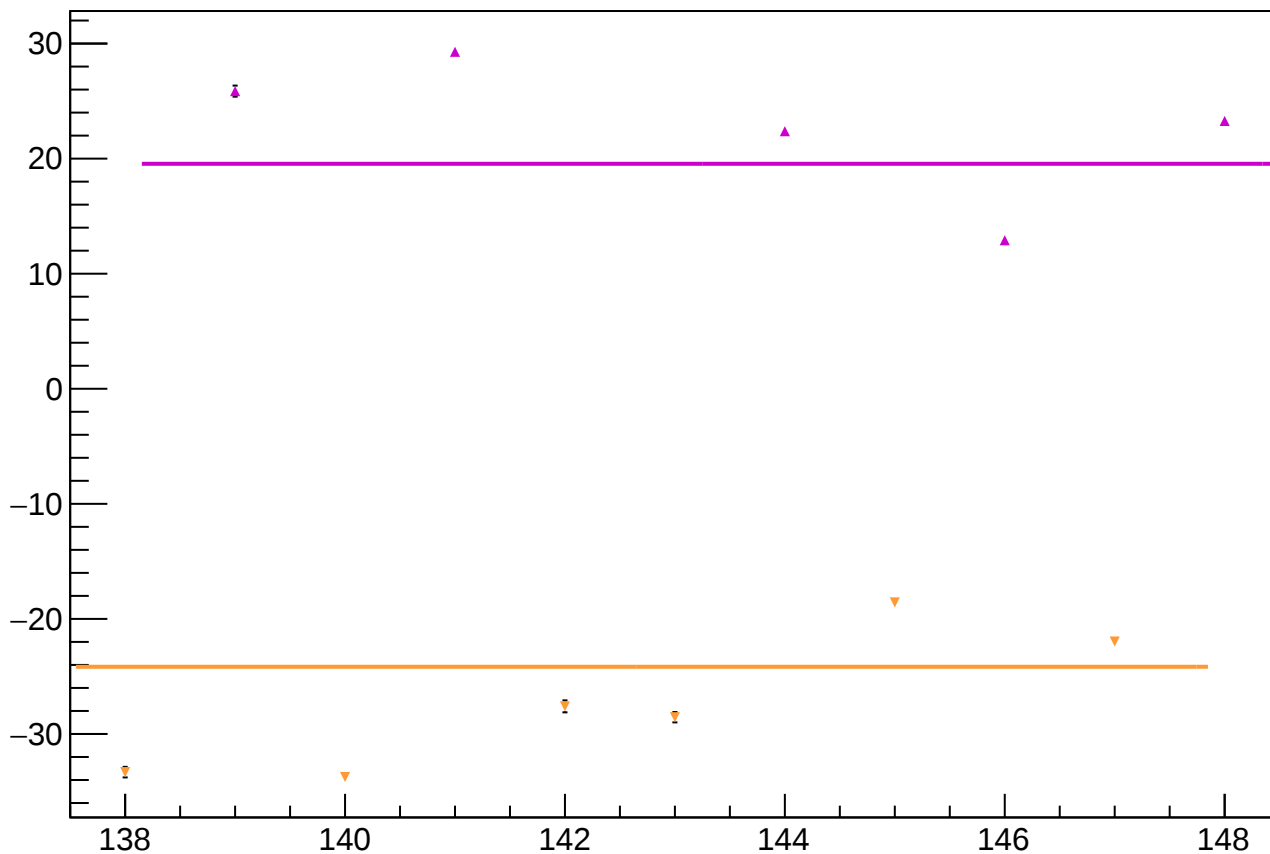
Left In: -0.279 ± 0.011 χ^2/NDF : 71.1/4

0.194 ± 0.010 χ^2/NDF : 1681.5/22

0.047 ± 0.007 χ^2/NDF : 3965.3/47

-0.099 ± 0.010 χ^2/NDF : 1841.0/24

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.159+/-0.133 χ^2/NDF : 2229.8/5

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

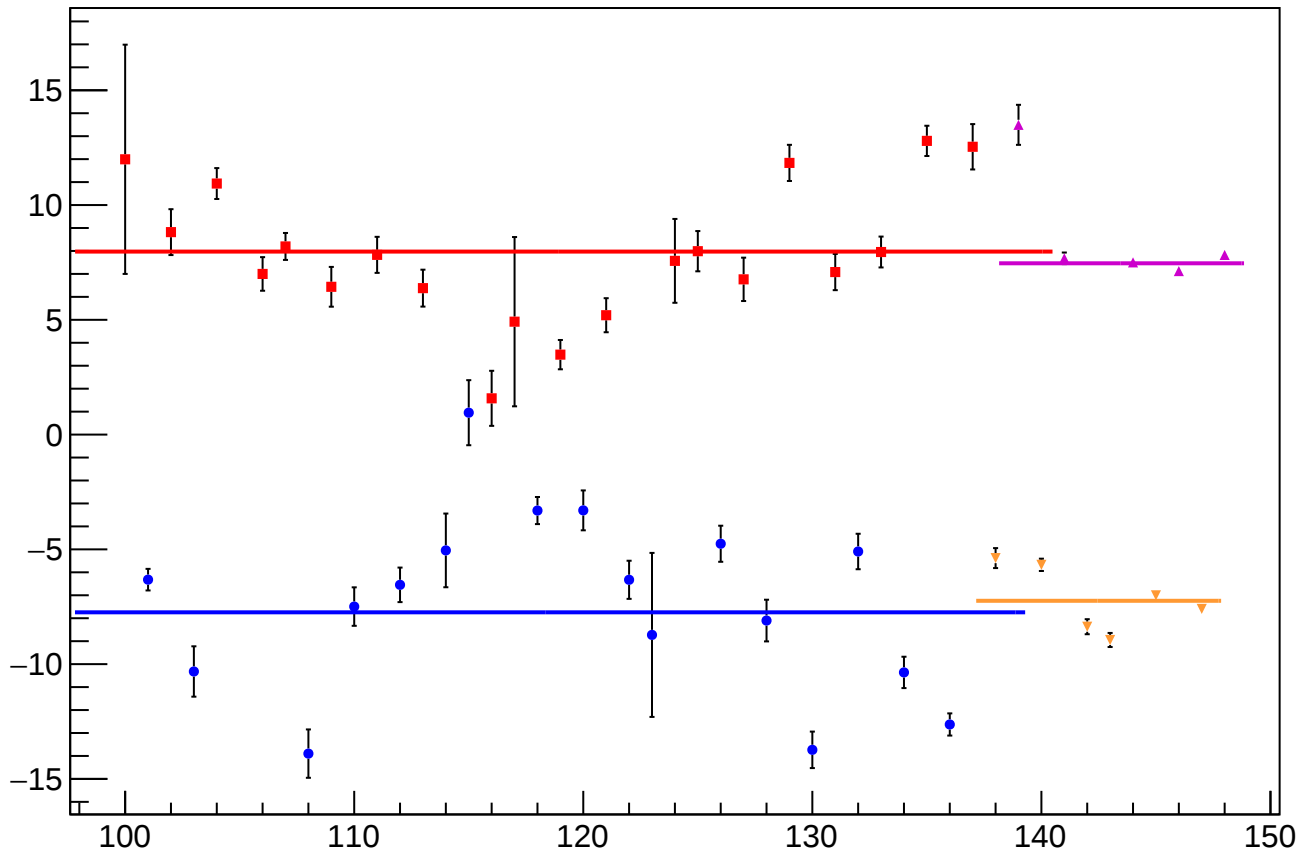
Left In: 19.552+/-0.121 χ^2/NDF : 2441.1/4

-24.159+/-0.133 χ^2/NDF : 2229.8/5

-0.245+/-0.089 χ^2/NDF : 63854.9/10

19.552+/-0.121 χ^2/NDF : 2441.1/4

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: -7.241 ± 0.094 χ^2/NDF : 101.9/5

Right Out: 7.973 ± 0.186 χ^2/NDF : 224.2/19

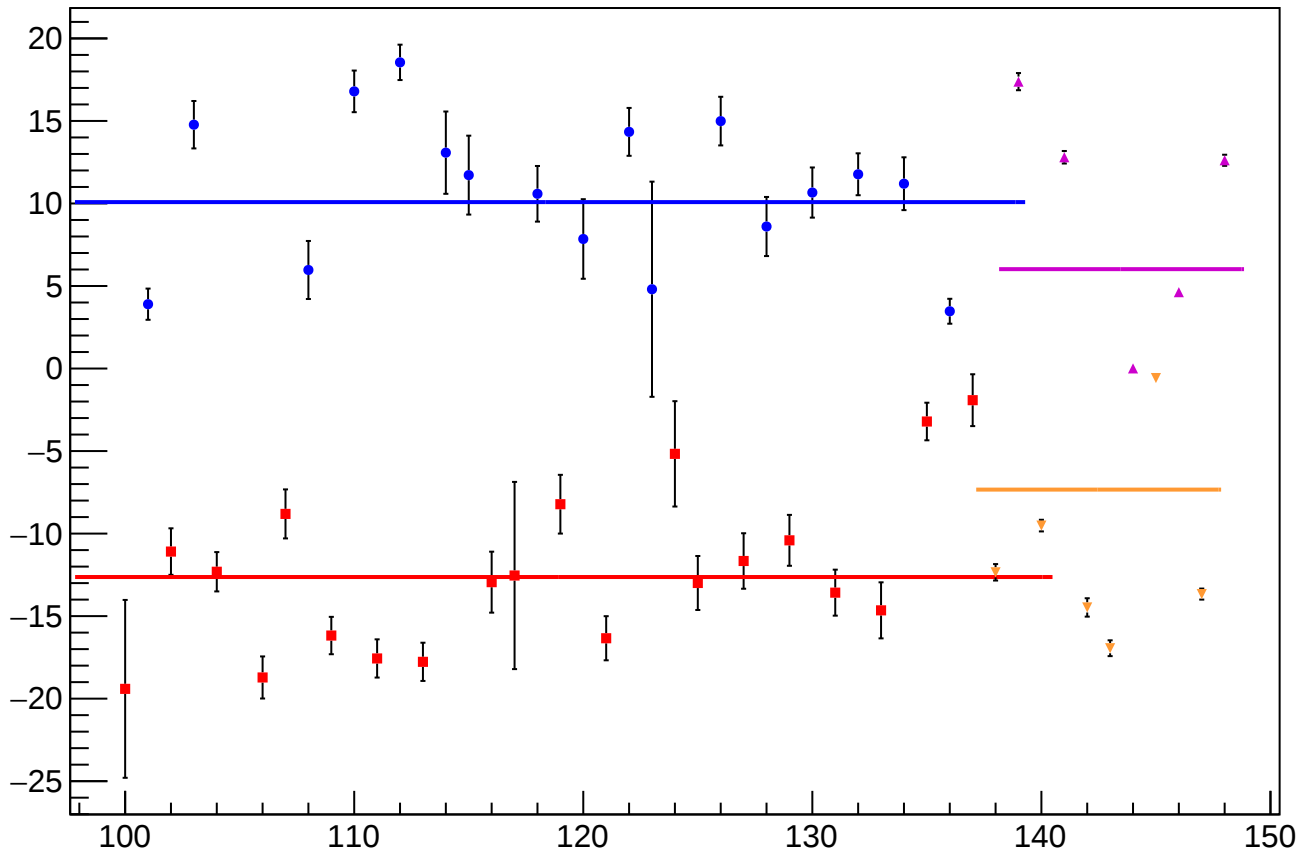
Left In: 7.463 ± 0.079 χ^2/NDF : 61.4/4

-7.342 ± 0.084 χ^2/NDF : 485.1/22

1.200 ± 0.055 χ^2/NDF : 18820.9/47

7.540 ± 0.072 χ^2/NDF : 292.1/24

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -7.335 ± 0.139 χ^2/NDF : 2140.9/5

Right Out: -12.631 ± 0.332 χ^2/NDF : 218.6/19

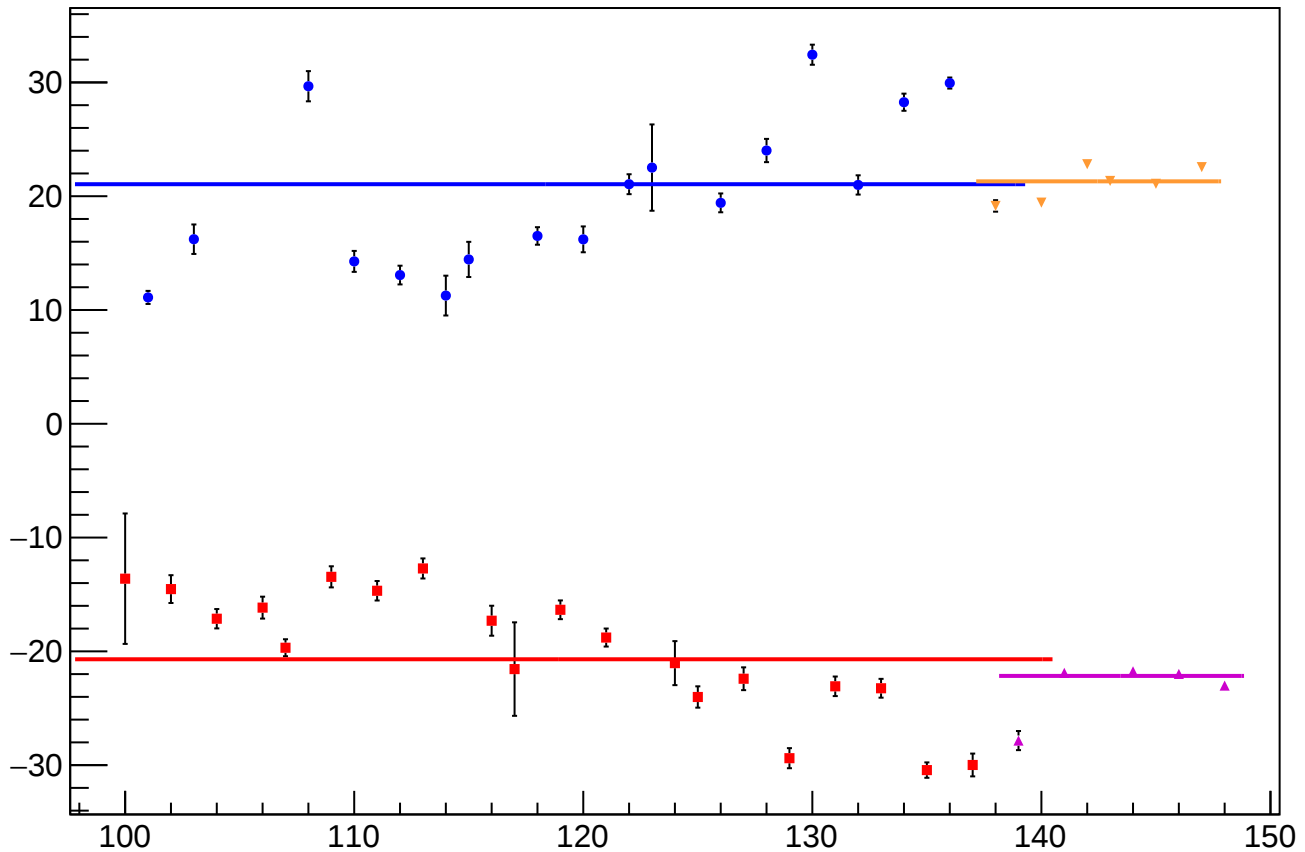
Left In: 6.021 ± 0.122 χ^2/NDF : 1869.3/4

-4.830 ± 0.128 χ^2/NDF : 4668.2/22

-0.009 ± 0.085 χ^2/NDF : 12075.7/47

3.817 ± 0.114 χ^2/NDF : 4869.8/24

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 ± 0.211 $\chi^2/\text{NDF}: 1211.8/16$

Left Out: 21.306 ± 0.115 $\chi^2/\text{NDF}: 95.6/5$

Right Out: -20.696 ± 0.212 $\chi^2/\text{NDF}: 724.1/19$

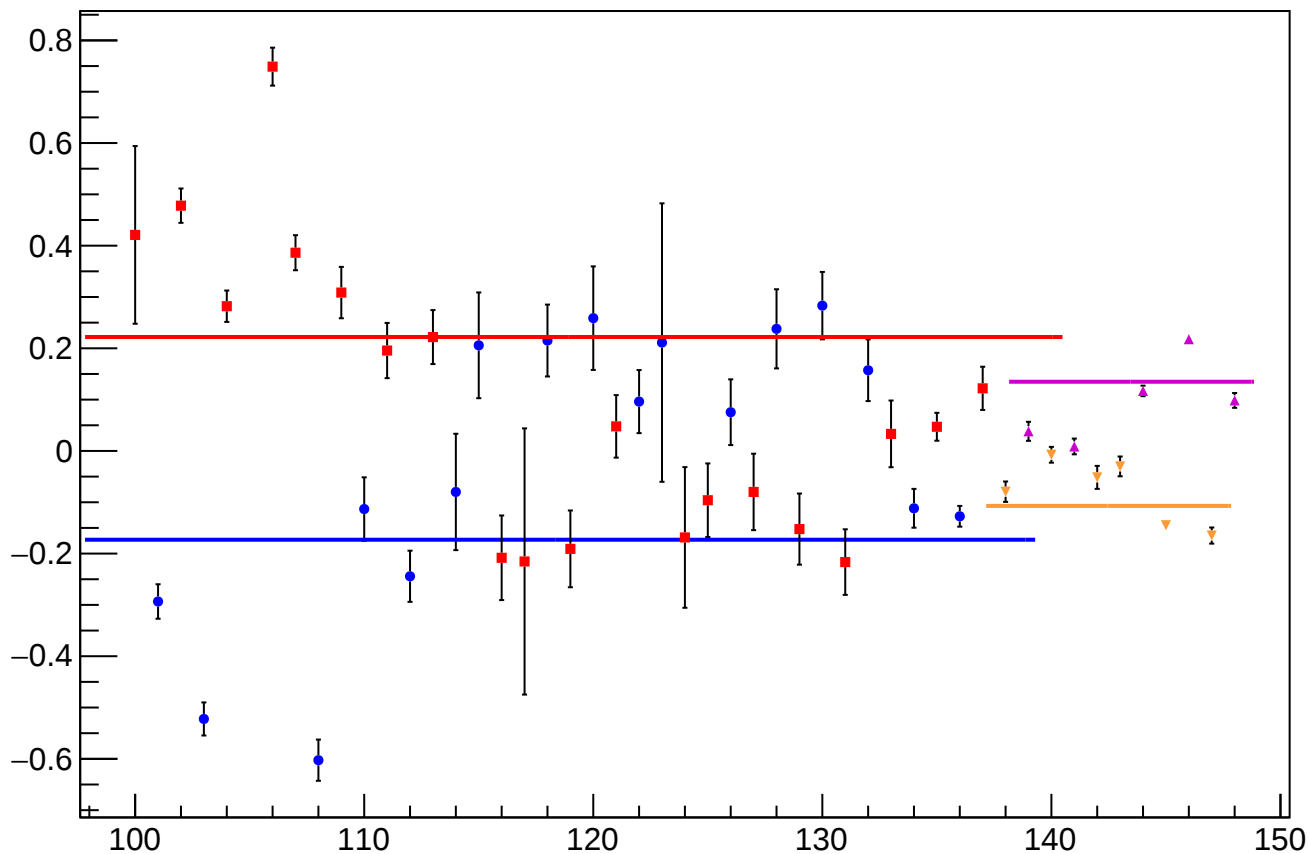
Left In: -22.159 ± 0.098 $\chi^2/\text{NDF}: 64.7/4$

21.248 ± 0.101 $\chi^2/\text{NDF}: 1308.5/22$

-3.014 ± 0.067 $\chi^2/\text{NDF}: 104220.5/47$

-21.900 ± 0.089 $\chi^2/\text{NDF}: 827.8/24$

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: -0.107 ± 0.006 χ^2/NDF : 101.1/5

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

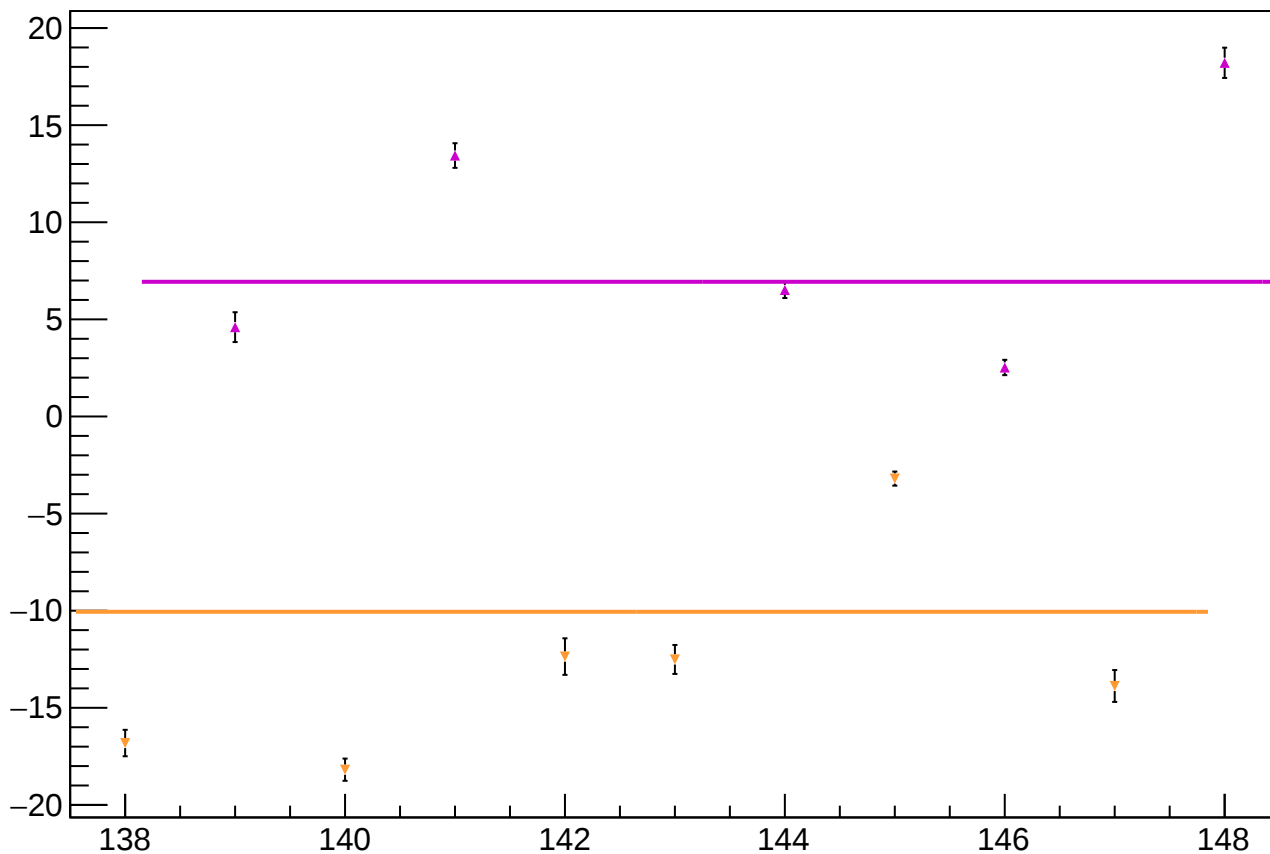
Left In: 0.135 ± 0.005 χ^2/NDF : 200.4/4

-0.121 ± 0.005 χ^2/NDF : 590.4/22

0.024 ± 0.003 χ^2/NDF : 2901.2/47

0.151 ± 0.005 χ^2/NDF : 789.7/24

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.056+/-0.241 χ^2/NDF : 696.8/5

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

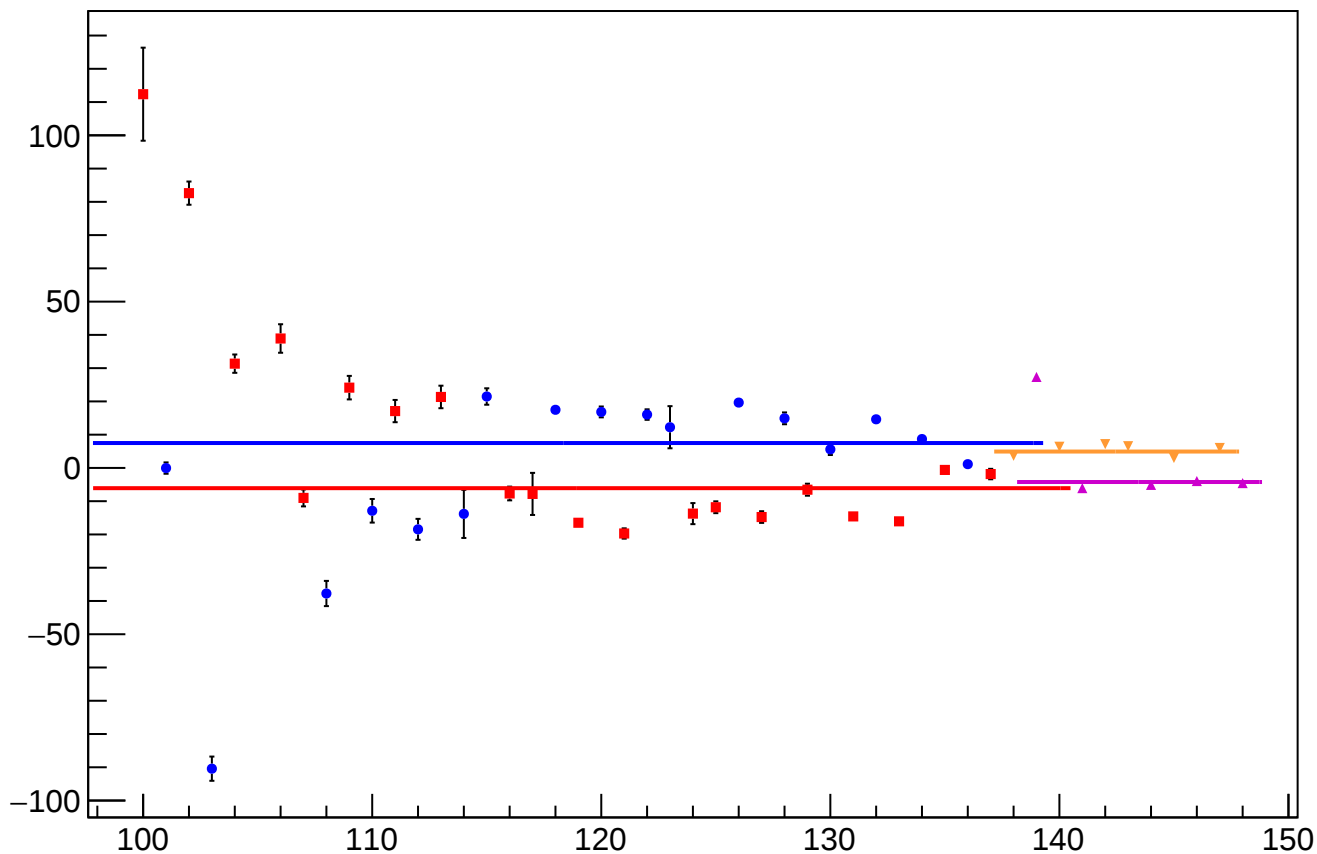
Left In: 6.935+/-0.236 χ^2/NDF : 449.8/4

-10.056+/-0.241 χ^2/NDF : 696.8/5

-1.370+/-0.168 χ^2/NDF : 3690.3/10

6.935+/-0.236 χ^2/NDF : 449.8/4

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 $\pm$ 0.407 χ^2/NDF : 1340.5/16

Left Out: 4.927 $\pm$ 0.176 χ^2/NDF : 90.5/5

Right Out: -6.086 $\pm$ 0.433 χ^2/NDF : 1512.2/19

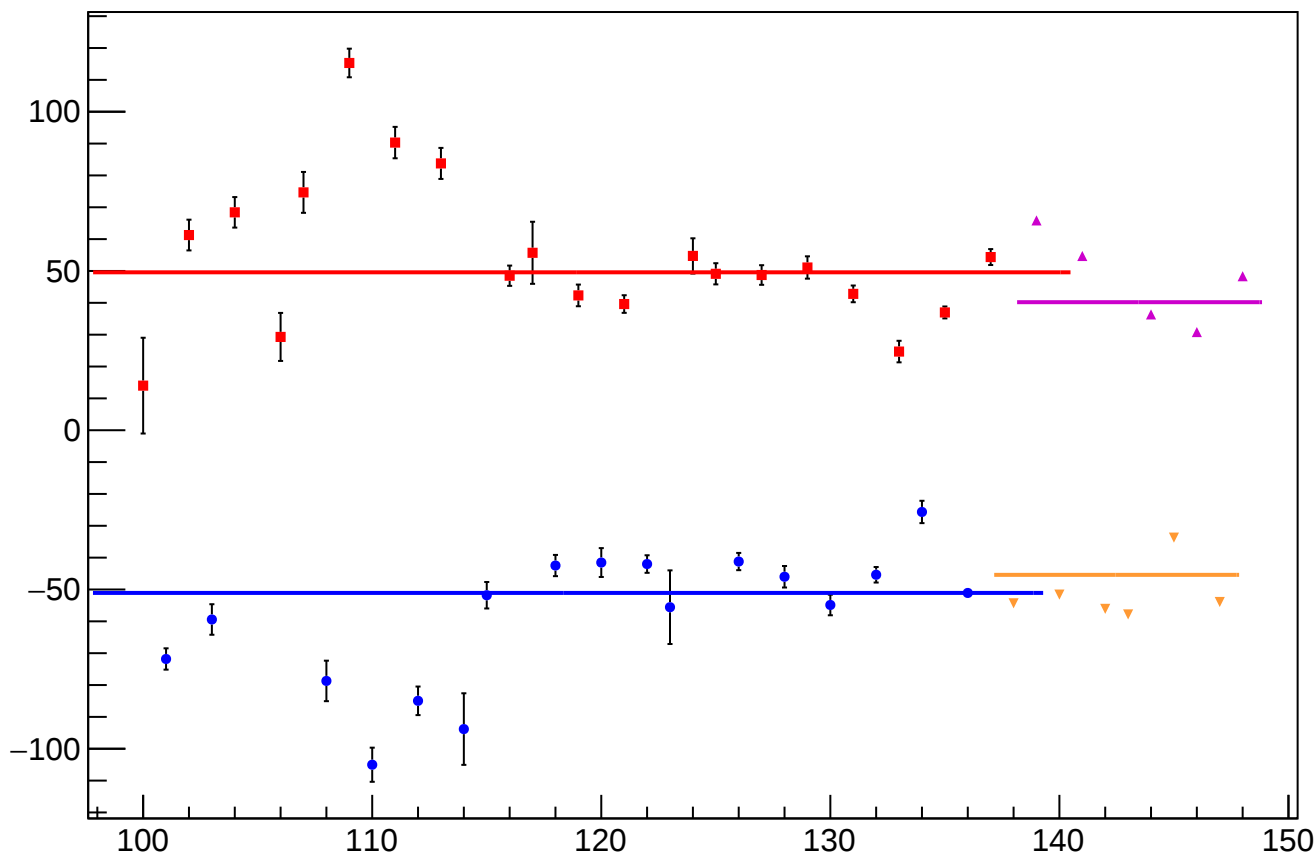
Left In: -4.233 $\pm$ 0.159 χ^2/NDF : 550.1/4

5.330 $\pm$ 0.161 χ^2/NDF : 1464.4/22

0.058 $\pm$ 0.110 χ^2/NDF : 5523.4/47

-4.453 $\pm$ 0.149 χ^2/NDF : 2078.4/24

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -45.405 ± 0.254 χ^2/NDF : 1639.9/5

Right Out: 49.579 ± 0.796 χ^2/NDF : 510.0/19

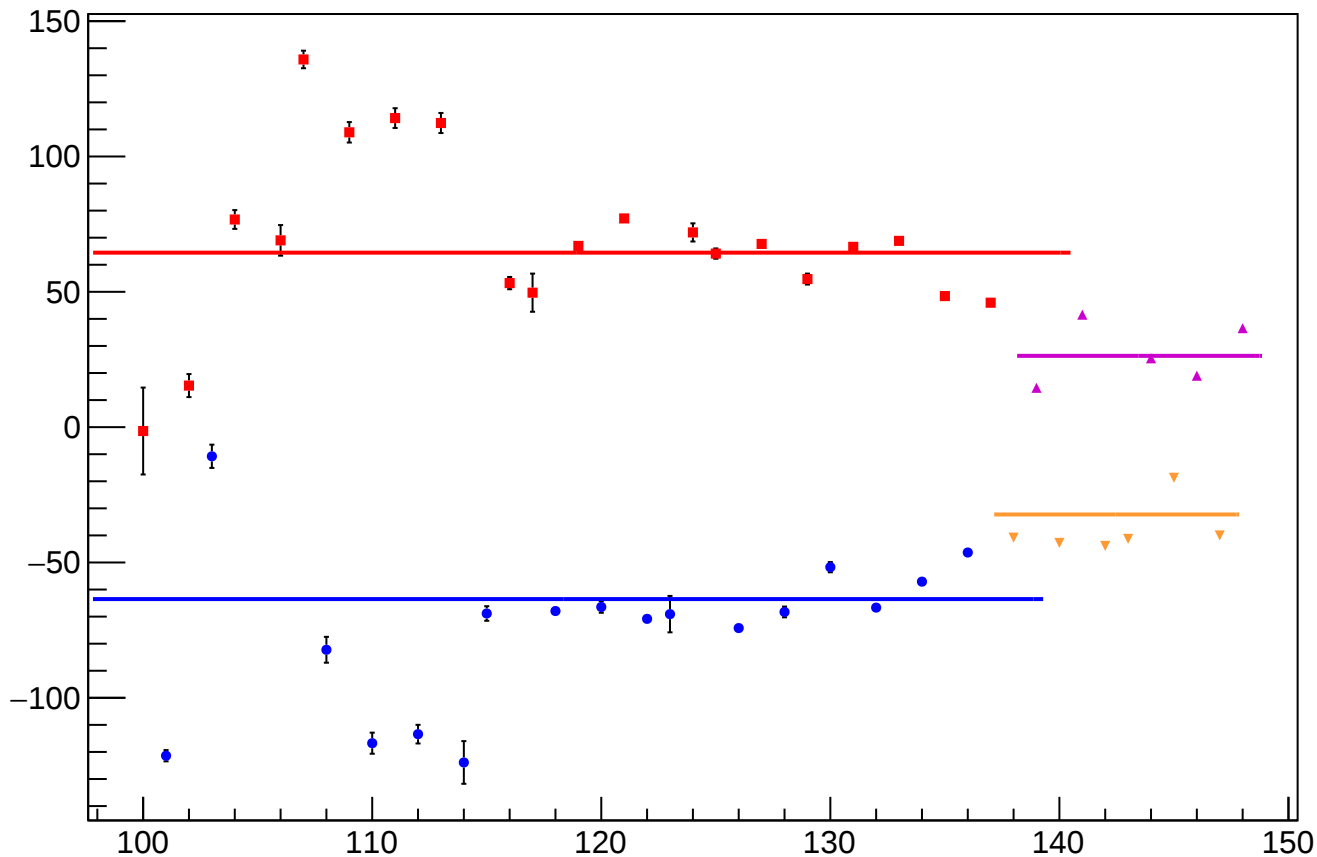
Left In: 40.200 ± 0.239 χ^2/NDF : 2223.4/4

-46.003 ± 0.241 χ^2/NDF : 2022.5/22

-0.403 ± 0.166 χ^2/NDF : 73447.3/47

40.978 ± 0.229 χ^2/NDF : 2860.8/24

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525±/0.449 χ^2/NDF : 2010.9/16

Left Out: -32.264±/0.213 χ^2/NDF : 2813.2/5

Right Out: 64.470±/0.482 χ^2/NDF : 1607.5/19

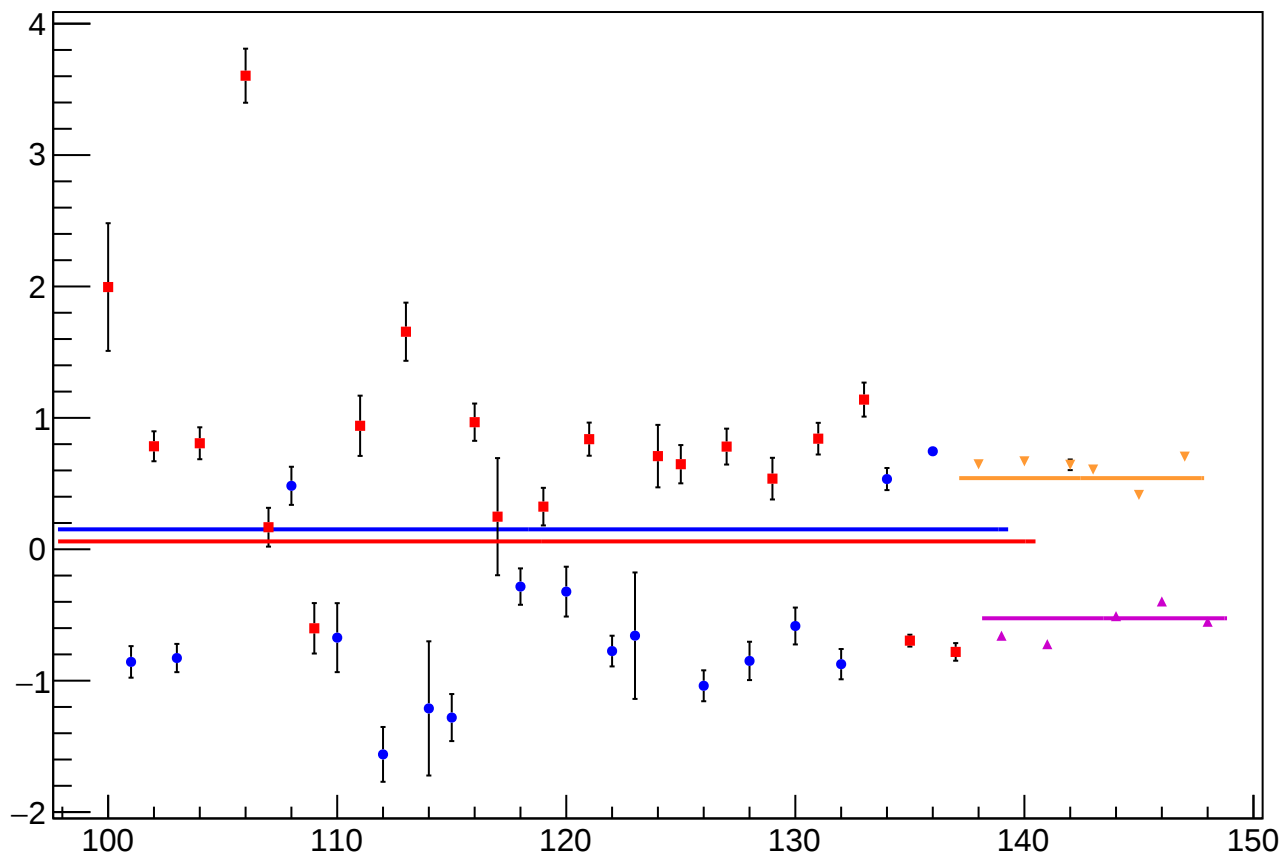
Left In: 26.345±/0.197 χ^2/NDF : 1788.3/4

-38.032±/0.193 χ^2/NDF : 8783.0/22

-1.230±/0.133 χ^2/NDF : 86759.4/47

31.823±/0.183 χ^2/NDF : 8757.1/24

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.541 ± 0.010 $\chi^2/\text{NDF}: 137.7/5$

Right Out: 0.060 ± 0.026 $\chi^2/\text{NDF}: 1162.1/19$

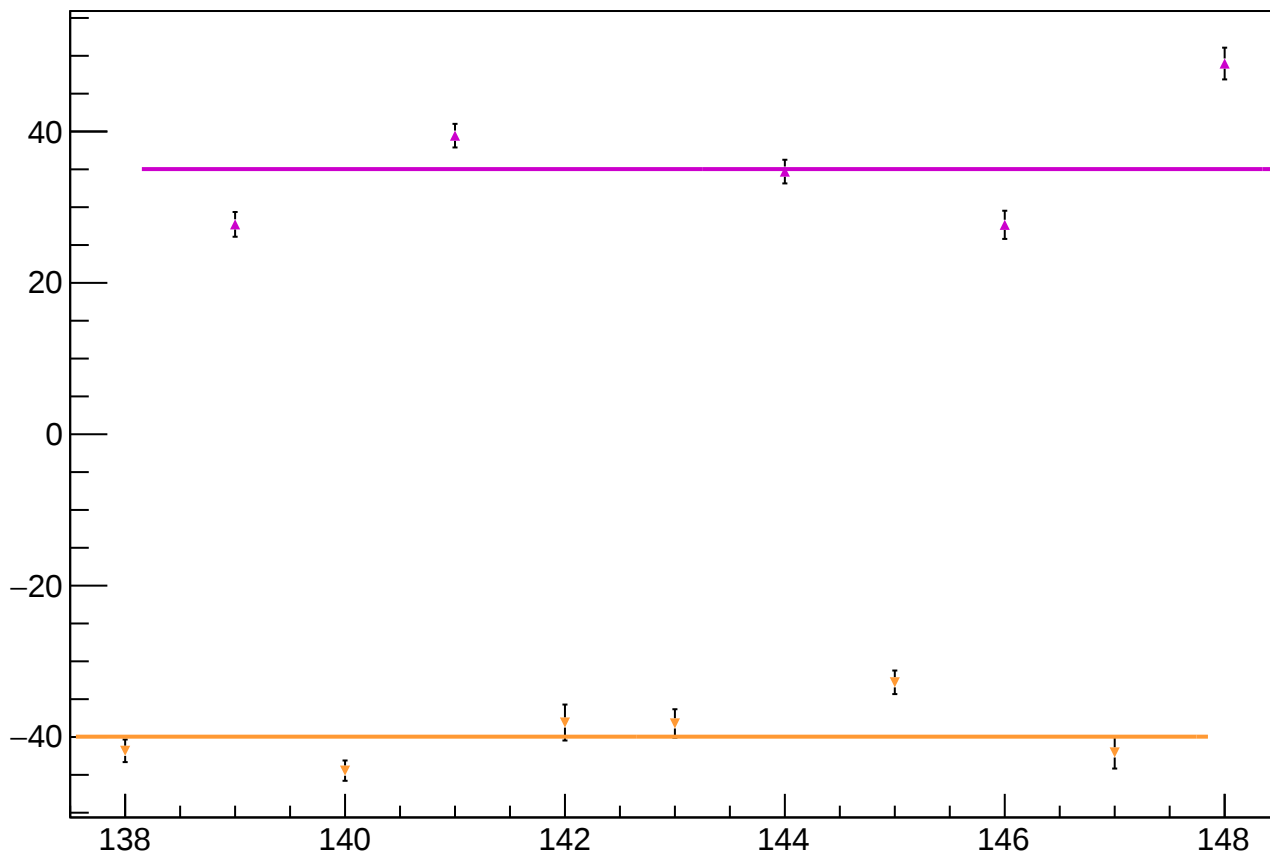
Left In: -0.525 ± 0.010 $\chi^2/\text{NDF}: 125.5/4$

0.480 ± 0.010 $\chi^2/\text{NDF}: 1346.6/22$

0.020 ± 0.007 $\chi^2/\text{NDF}: 7749.0/47$

-0.447 ± 0.010 $\chi^2/\text{NDF}: 1717.7/24$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -39.954+/-0.690 χ^2/NDF : 36.5/5

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

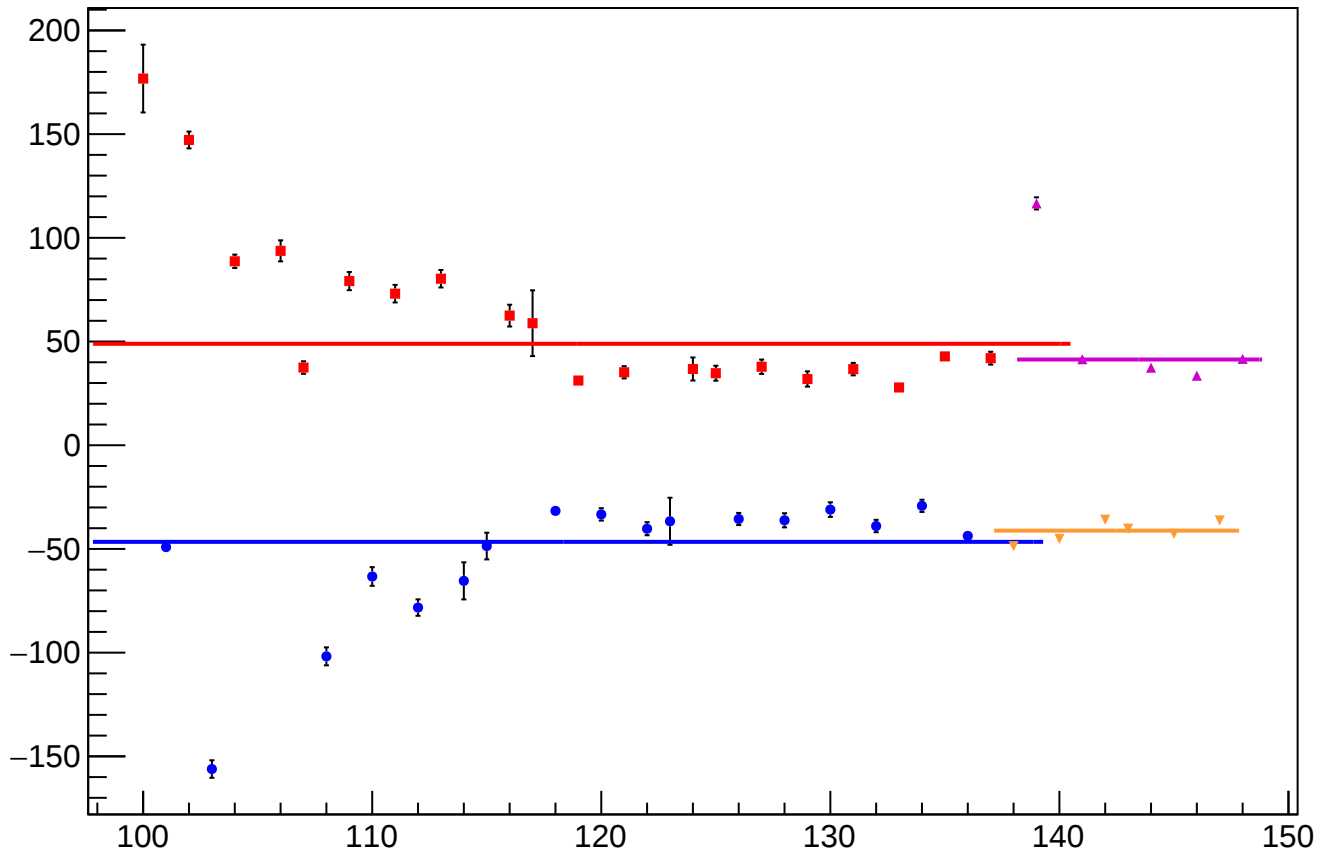
Left In: 35.033+/-0.765 χ^2/NDF : 87.9/4

-39.954+/-0.690 χ^2/NDF : 36.5/5

-6.290+/-0.512 χ^2/NDF : 5424.4/10

35.033+/-0.765 χ^2/NDF : 87.9/4

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: -41.178 ± 0.505 $\chi^2/\text{NDF}: 76.4/5$

Right Out: 48.911 ± 0.763 $\chi^2/\text{NDF}: 1277.9/19$

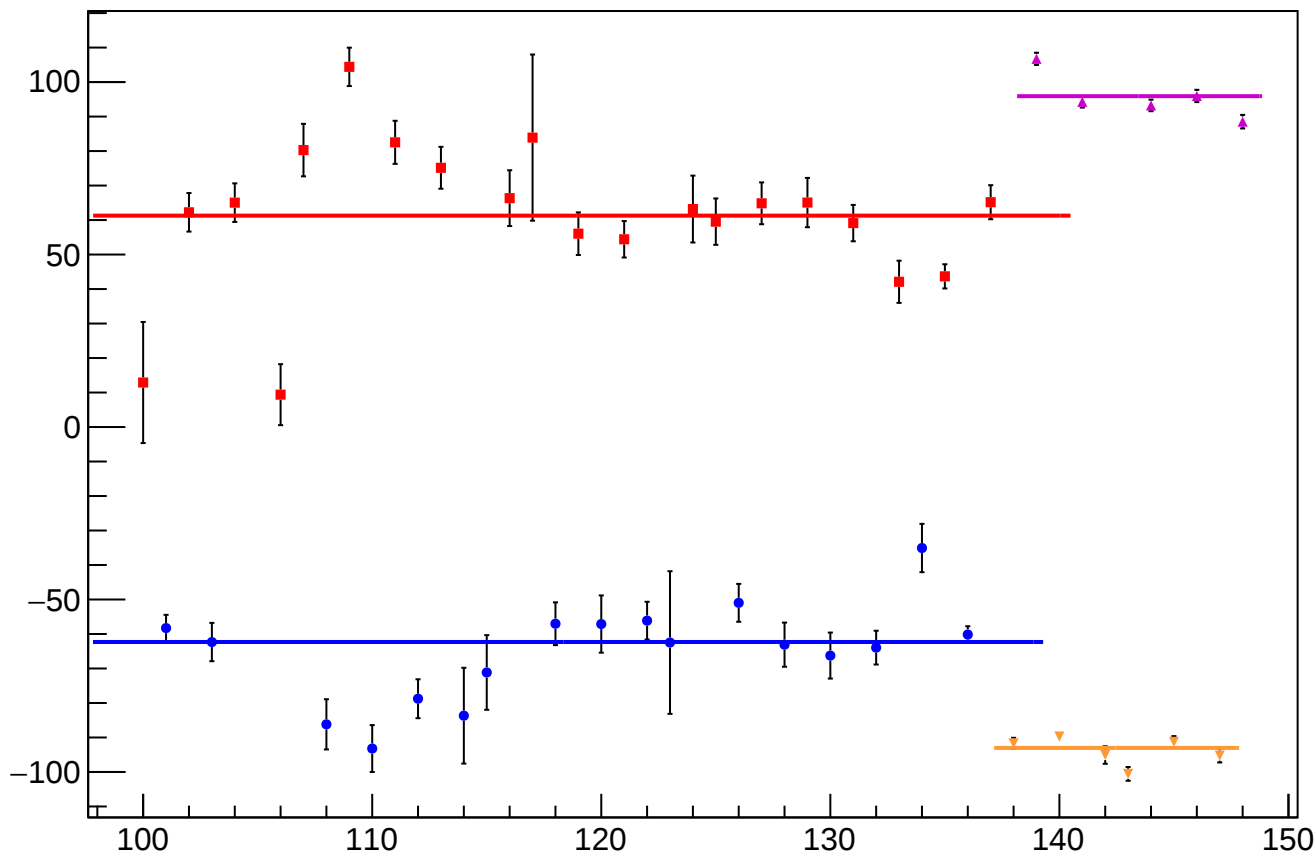
Left In: 41.335 ± 0.538 $\chi^2/\text{NDF}: 719.2/4$

-42.925 ± 0.415 $\chi^2/\text{NDF}: 1189.8/22$

-2.050 ± 0.302 $\chi^2/\text{NDF}: 23841.3/47$

43.856 ± 0.440 $\chi^2/\text{NDF}: 2063.0/24$

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: -93.022 ± 0.727 $\chi^2/\text{NDF}: 23.3/5$

Right Out: 61.277 ± 1.379 $\chi^2/\text{NDF}: 165.9/19$

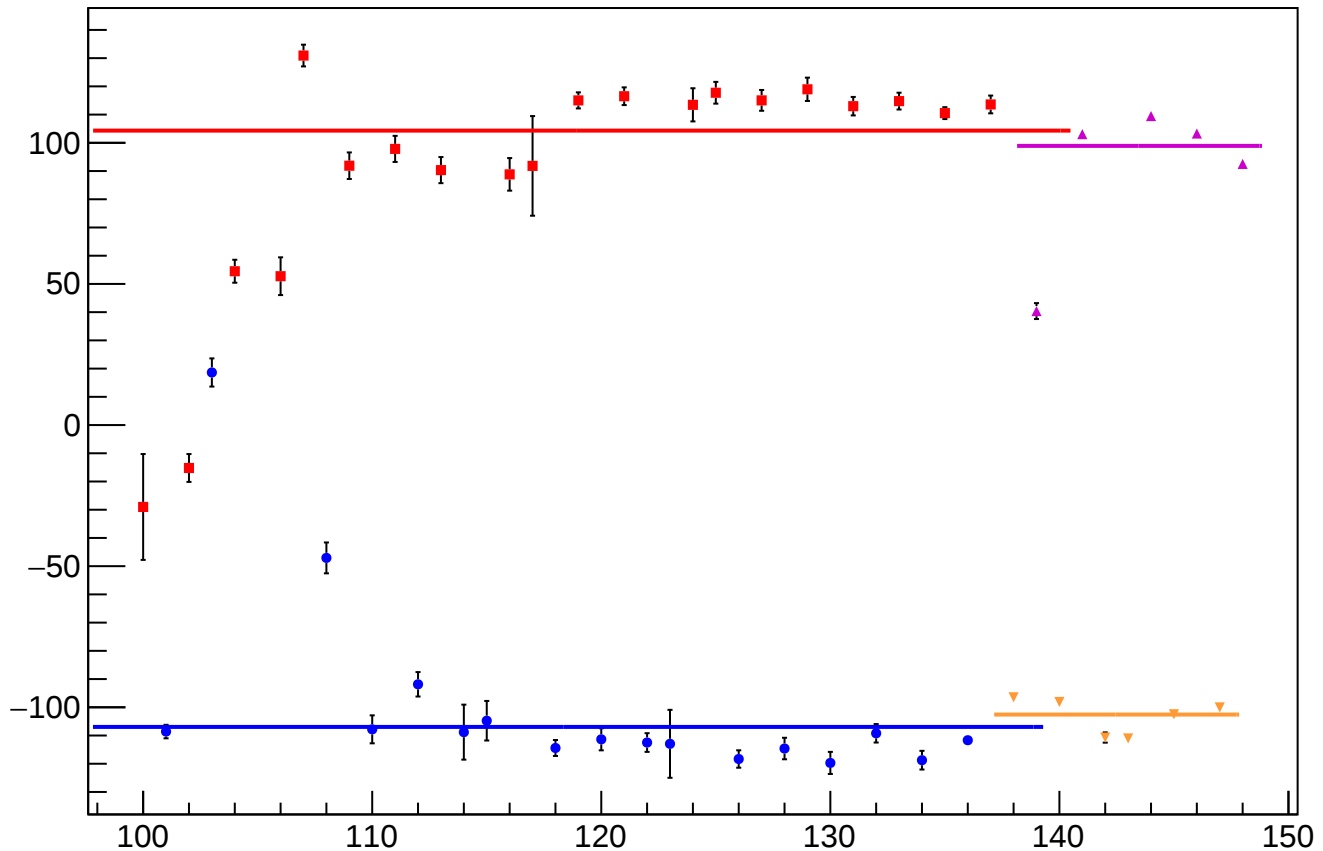
Left In: 95.909 ± 0.787 $\chi^2/\text{NDF}: 55.0/4$

-85.846 ± 0.636 $\chi^2/\text{NDF}: 507.9/22$

-5.498 ± 0.466 $\chi^2/\text{NDF}: 35617.5/47$

87.390 ± 0.684 $\chi^2/\text{NDF}: 696.7/24$

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: -102.574 ± 0.618 χ^2/NDF : 77.3/5

Right Out: 104.326 ± 0.860 χ^2/NDF : 1021.5/19

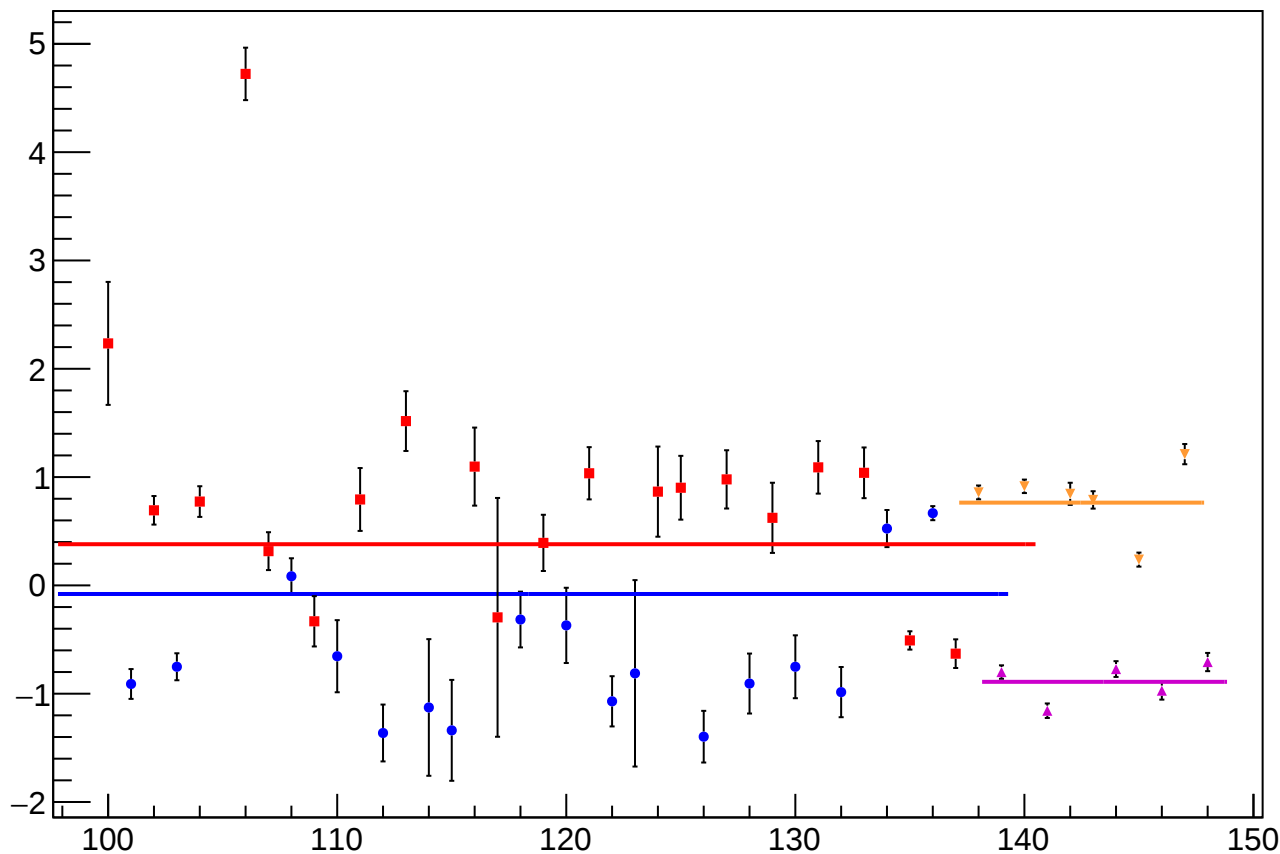
Left In: 98.916 ± 0.669 χ^2/NDF : 533.5/4

-104.168 ± 0.493 χ^2/NDF : 922.8/22

-8.696 ± 0.360 χ^2/NDF : 83107.3/47

100.956 ± 0.528 χ^2/NDF : 1579.6/24

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: 0.764 ± 0.030 χ^2/NDF : 97.6/5

Right Out: 0.380 ± 0.044 χ^2/NDF : 580.9/19

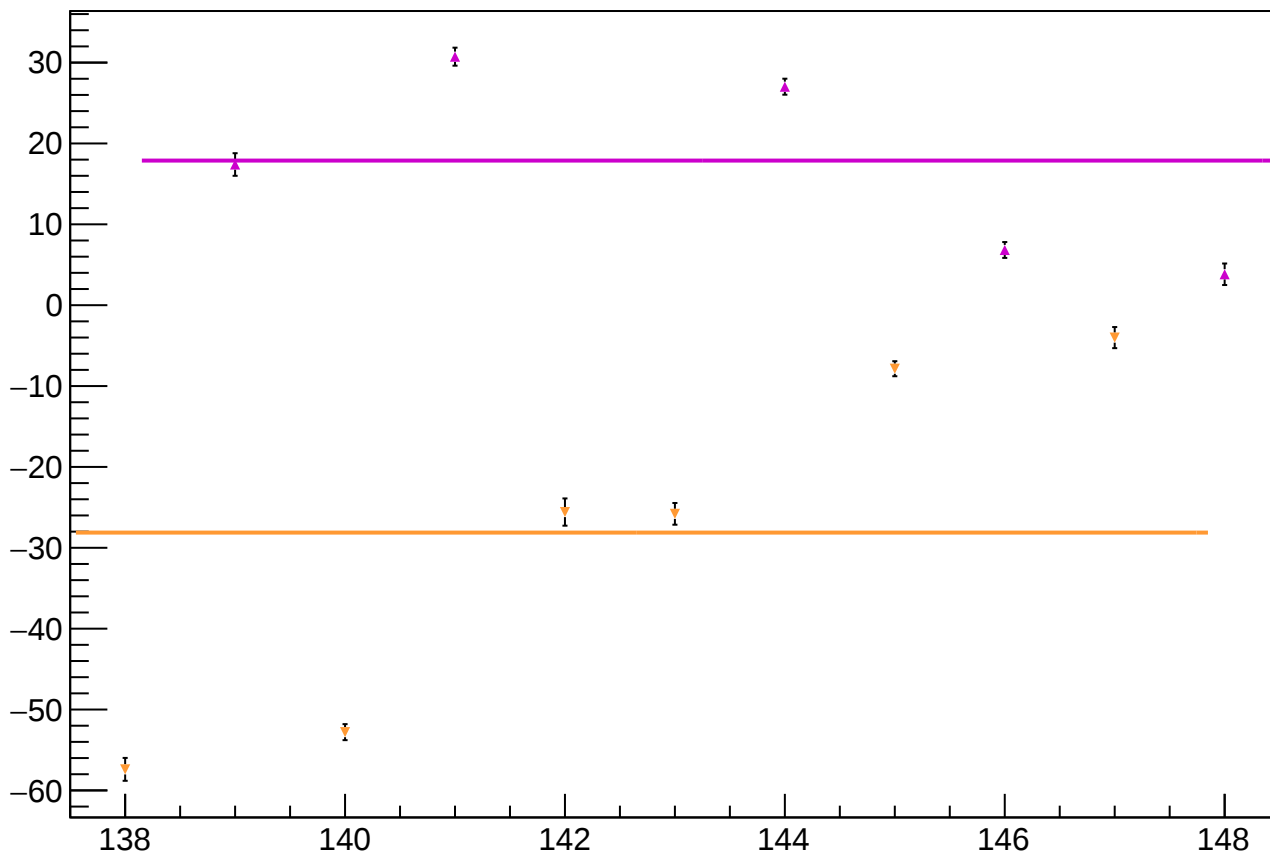
Left In: -0.891 ± 0.032 χ^2/NDF : 26.3/4

0.481 ± 0.024 χ^2/NDF : 690.7/22

0.046 ± 0.018 χ^2/NDF : 2509.9/47

-0.445 ± 0.026 χ^2/NDF : 1149.2/24

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -28.119+/-0.490 χ^2/NDF : 1871.3/5

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

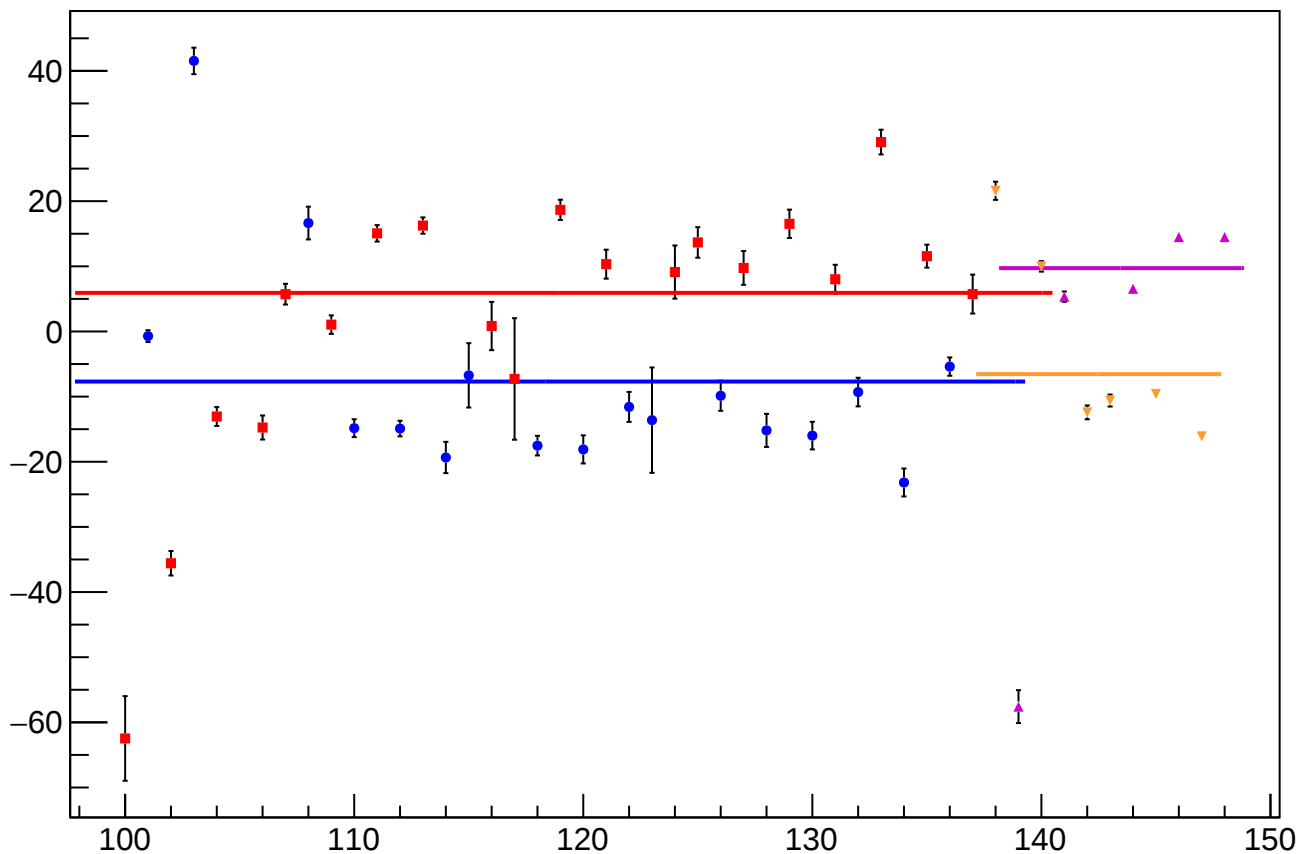
Left In: 17.883+/-0.503 χ^2/NDF : 457.8/4

-28.119+/-0.490 χ^2/NDF : 1871.3/5

-5.746+/-0.351 χ^2/NDF : 6622.2/10

17.883+/-0.503 χ^2/NDF : 457.8/4

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: -6.549 ± 0.345 χ^2/NDF : 1127.7/5

Right Out: 5.925 ± 0.428 χ^2/NDF : 1300.1/19

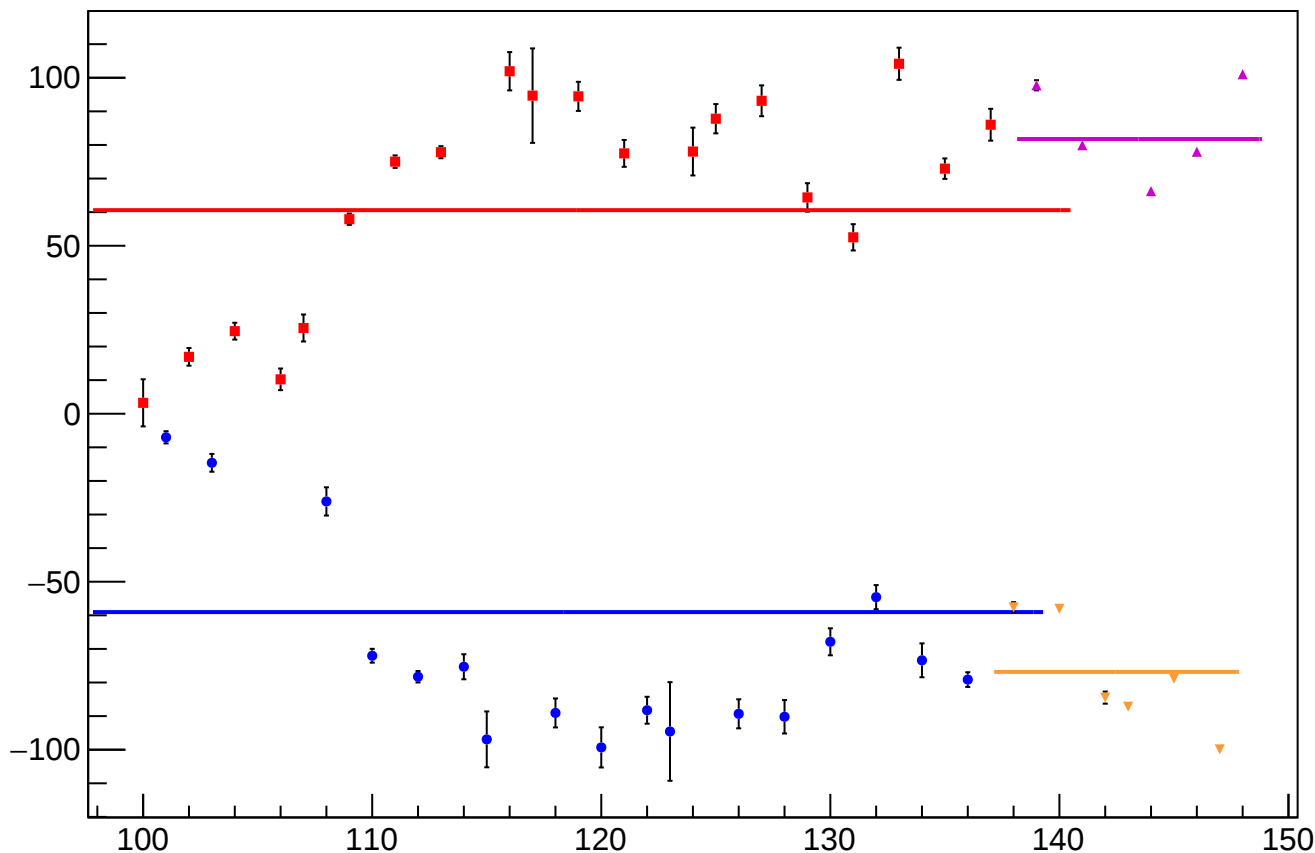
Left In: 9.724 ± 0.338 χ^2/NDF : 874.2/4

-6.995 ± 0.269 χ^2/NDF : 2107.9/22

0.745 ± 0.189 χ^2/NDF : 5962.5/47

8.268 ± 0.265 χ^2/NDF : 2222.8/24

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: -76.831+/-0.511 χ^2/NDF : 906.2/5

Right Out: 60.593+/-0.704 χ^2/NDF : 1390.7/19

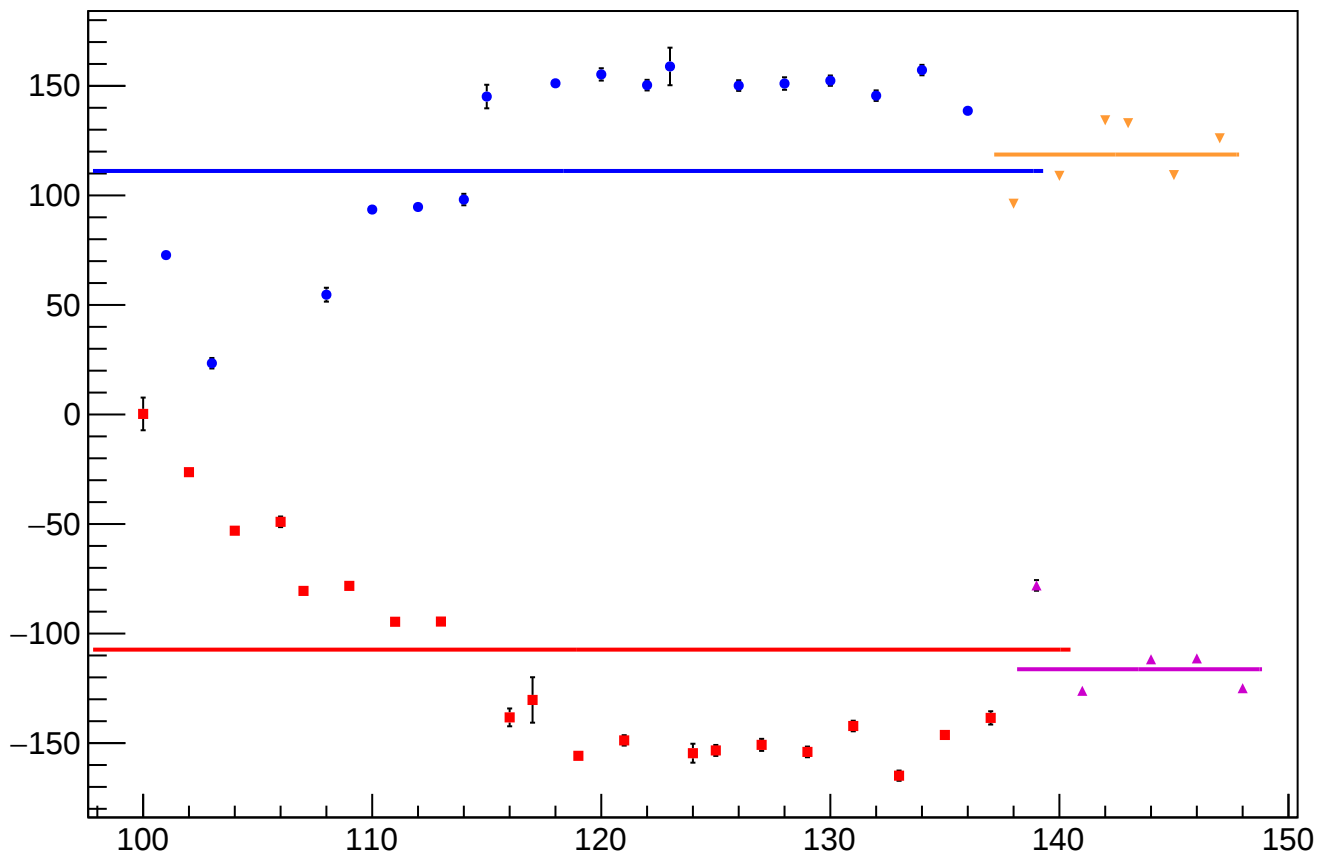
Left In: 81.765+/-0.512 χ^2/NDF : 584.1/4

-71.141+/-0.422 χ^2/NDF : 3003.0/22

2.993+/-0.295 χ^2/NDF : 66265.1/47

74.436+/-0.414 χ^2/NDF : 2567.0/24

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 ± 0.489 $\chi^2/\text{NDF}: 5877.6/16$

Left Out: 118.659 ± 0.426 $\chi^2/\text{NDF}: 798.3/5$

Right Out: -107.334 ± 0.487 $\chi^2/\text{NDF}: 7060.0/19$

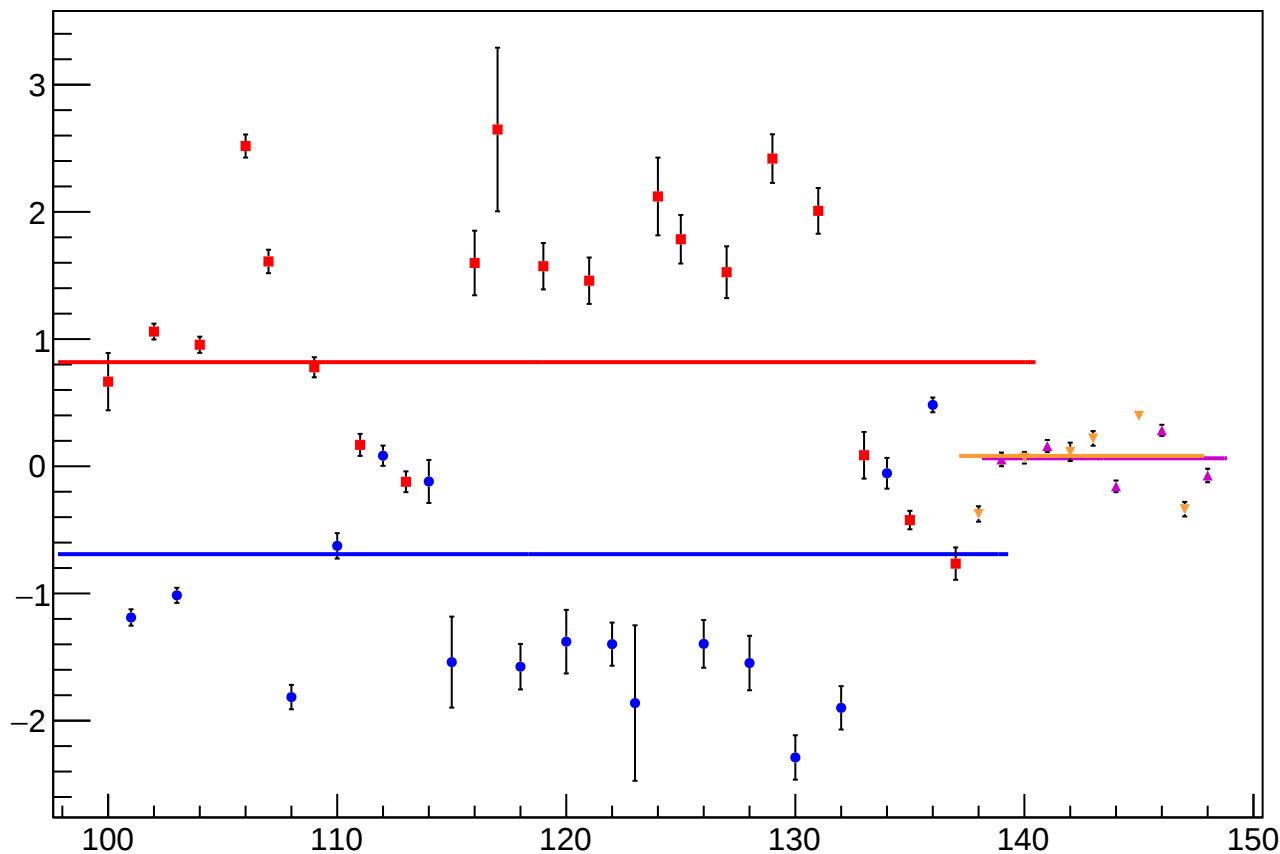
Left In: -116.286 ± 0.422 $\chi^2/\text{NDF}: 515.9/4$

115.427 ± 0.321 $\chi^2/\text{NDF}: 6809.8/22$

0.810 ± 0.226 $\chi^2/\text{NDF}: 268059.6/47$

-112.445 ± 0.319 $\chi^2/\text{NDF}: 7768.7/24$

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: 0.081 ± 0.021 χ^2/NDF : 183.1/5

Right Out: 0.819 ± 0.024 χ^2/NDF : 1312.5/19

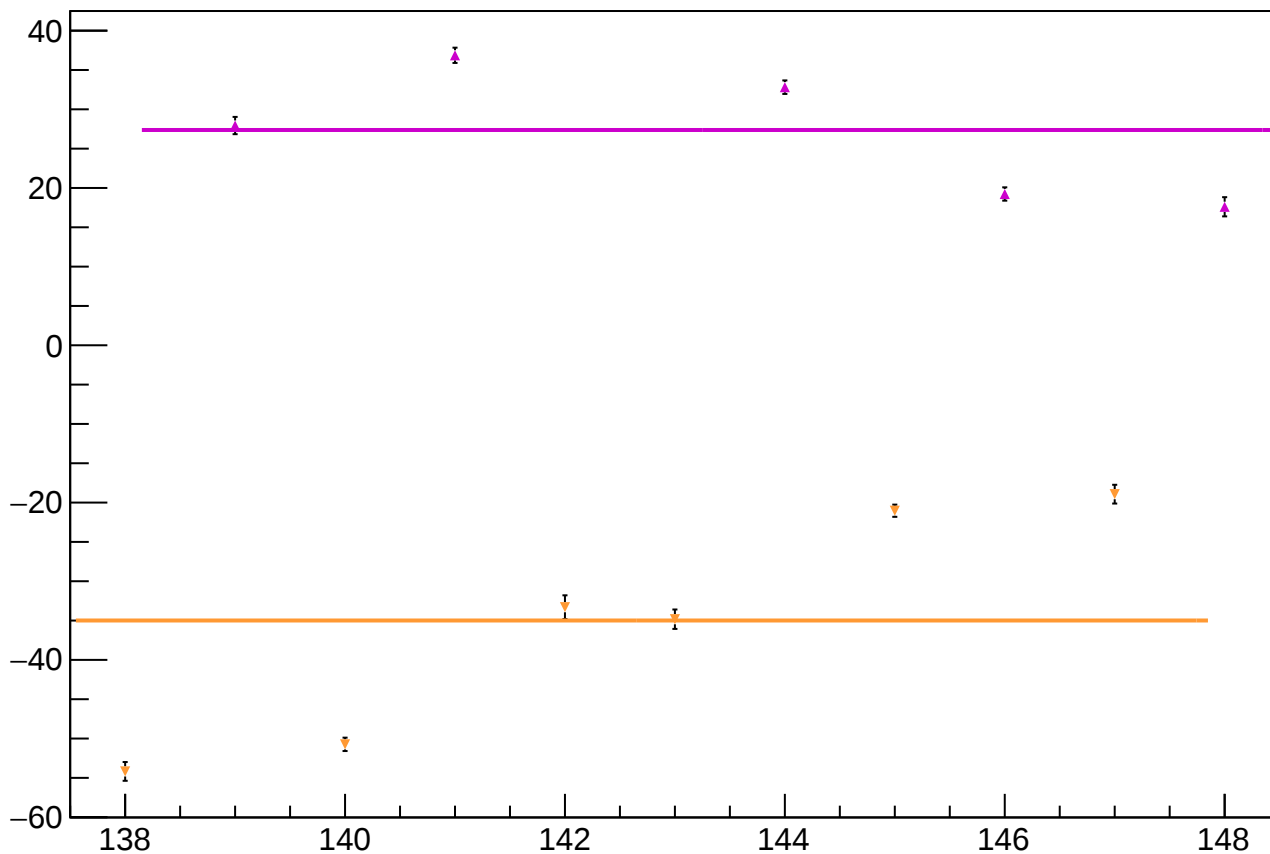
Left In: 0.063 ± 0.022 χ^2/NDF : 58.6/4

-0.230 ± 0.016 χ^2/NDF : 1708.0/22

0.087 ± 0.012 χ^2/NDF : 4357.0/47

0.397 ± 0.016 χ^2/NDF : 1908.8/24

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.991+/-0.425 χ^2/NDF : 1107.1/5

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

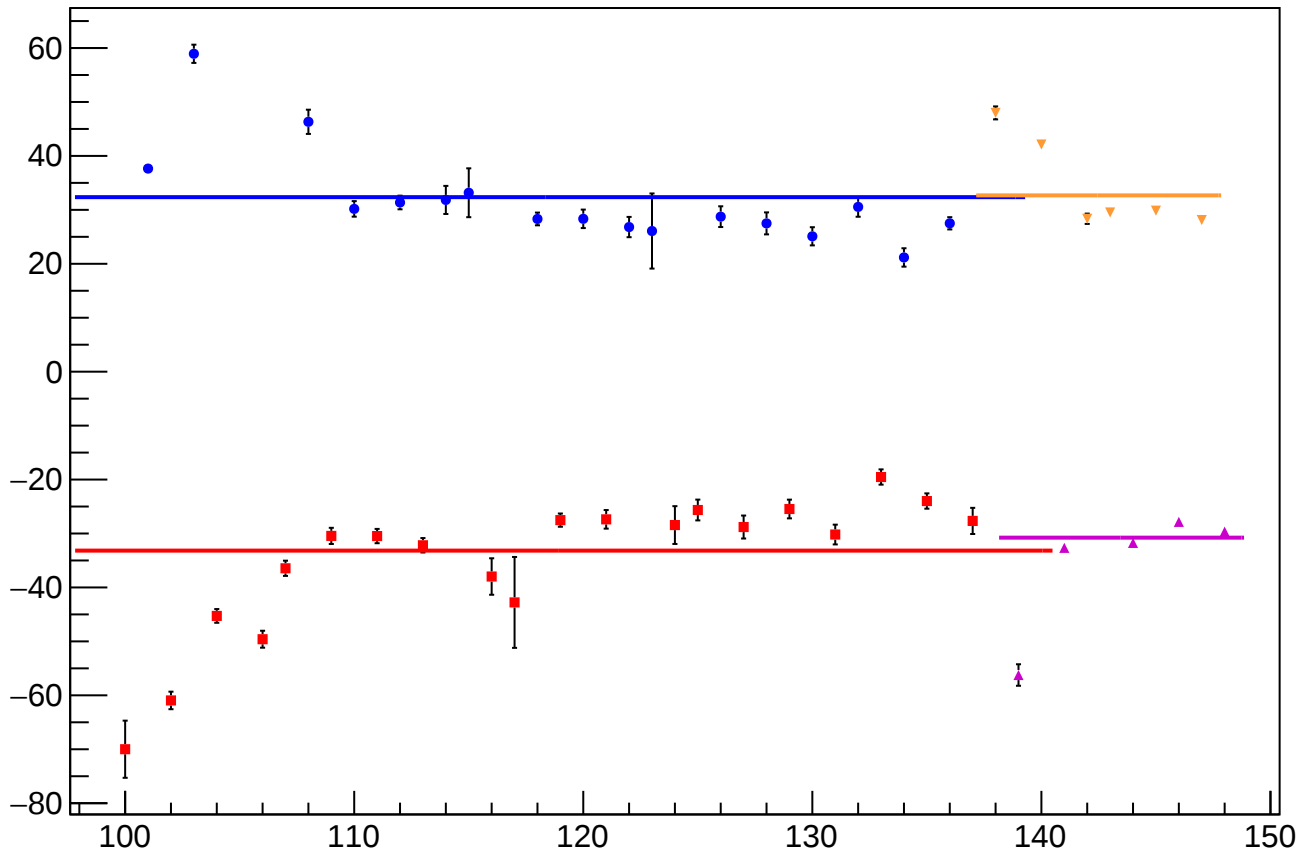
Left In: 27.372+/-0.434 χ^2/NDF : 292.2/4

-34.991+/-0.425 χ^2/NDF : 1107.1/5

-4.489+/-0.304 χ^2/NDF : 11941.0/10

27.372+/-0.434 χ^2/NDF : 292.2/4

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 32.685 ± 0.306 $\chi^2/\text{NDF}: 461.6/5$

Right Out: -33.172 ± 0.378 $\chi^2/\text{NDF}: 773.3/19$

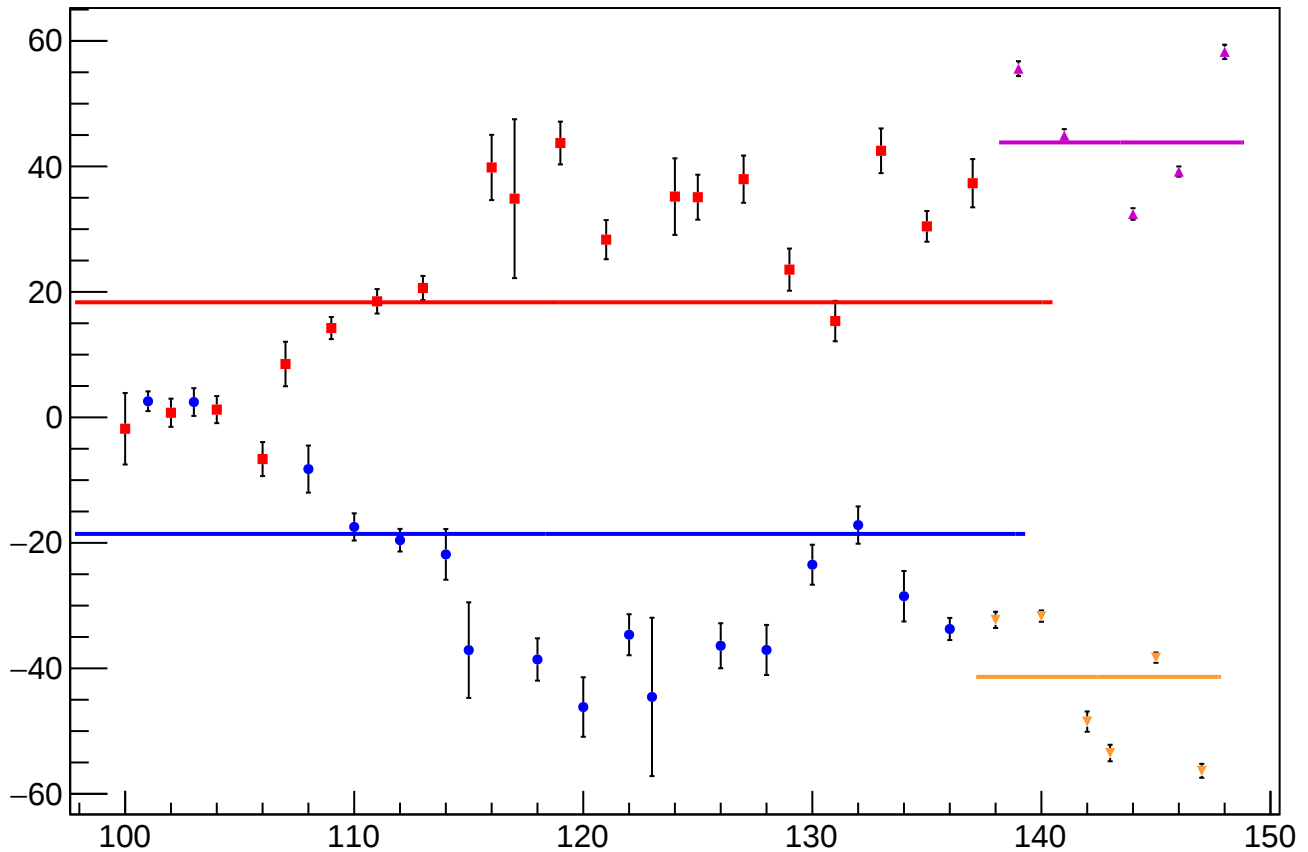
Left In: -30.771 ± 0.301 $\chi^2/\text{NDF}: 205.2/4$

32.553 ± 0.237 $\chi^2/\text{NDF}: 912.5/22$

0.186 ± 0.167 $\chi^2/\text{NDF}: 38884.2/47$

-31.700 ± 0.235 $\chi^2/\text{NDF}: 1003.1/24$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.572 $\pm$ 0.667 χ^2/NDF : 511.5/16

Left Out: -41.356 $\pm$ 0.444 χ^2/NDF : 462.8/5

Right Out: 18.343 $\pm$ 0.643 χ^2/NDF : 475.1/19

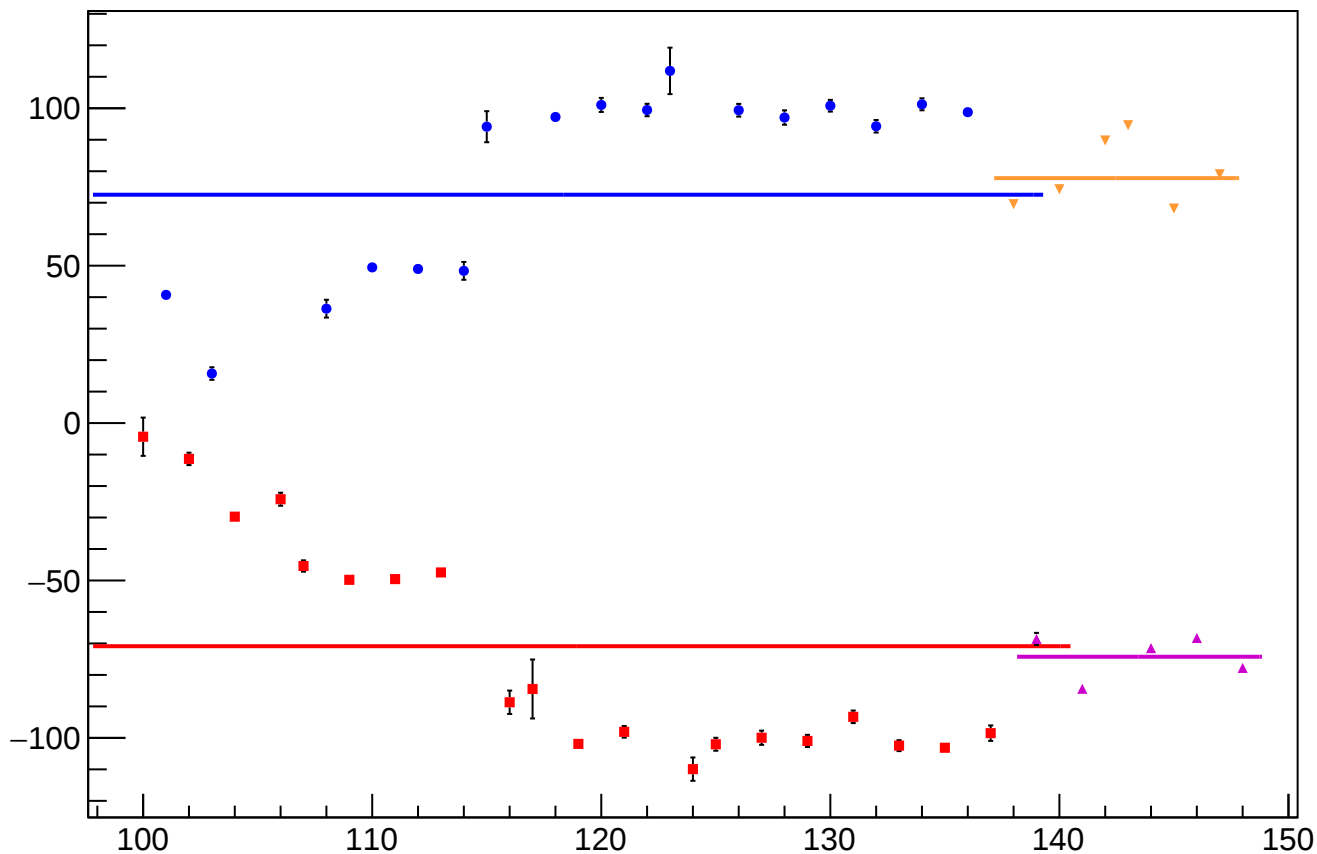
Left In: 43.822 $\pm$ 0.443 χ^2/NDF : 444.0/4

-34.365 $\pm$ 0.370 χ^2/NDF : 1782.0/22

1.098 $\pm$ 0.260 χ^2/NDF : 21919.7/47

35.620 $\pm$ 0.365 χ^2/NDF : 1983.8/24

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: 77.809 $\pm$ 0.375 χ^2/NDF : 605.3/5

Right Out: -70.878 $\pm$ 0.433 χ^2/NDF : 5502.3/19

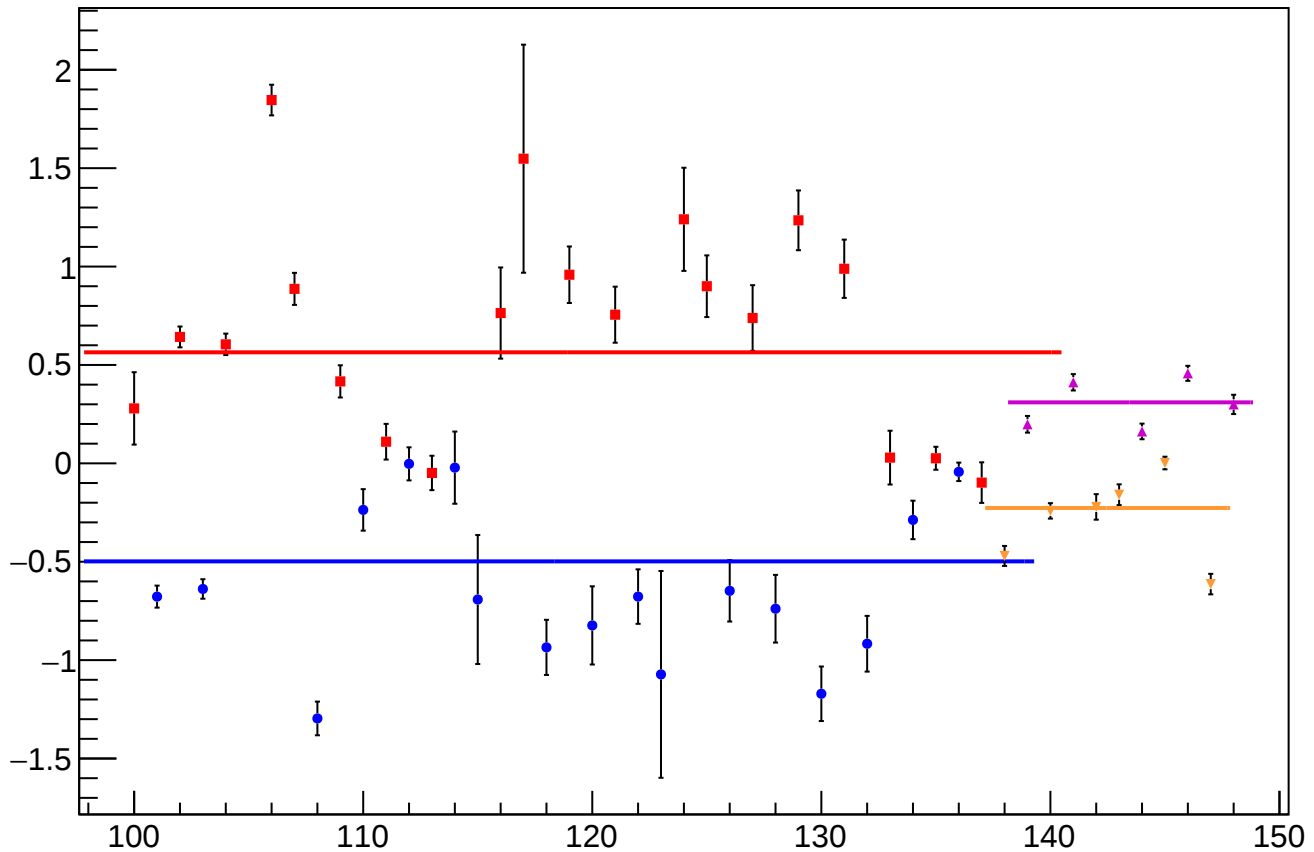
Left In: -74.227 $\pm$ 0.372 χ^2/NDF : 267.9/4

75.521 $\pm$ 0.282 χ^2/NDF : 5375.2/22

1.372 $\pm$ 0.200 χ^2/NDF : 149321.5/47

-72.803 $\pm$ 0.282 χ^2/NDF : 5804.6/24

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: -0.227 ± 0.018 χ^2/NDF : 130.2/5

Right Out: 0.564 ± 0.021 χ^2/NDF : 563.6/19

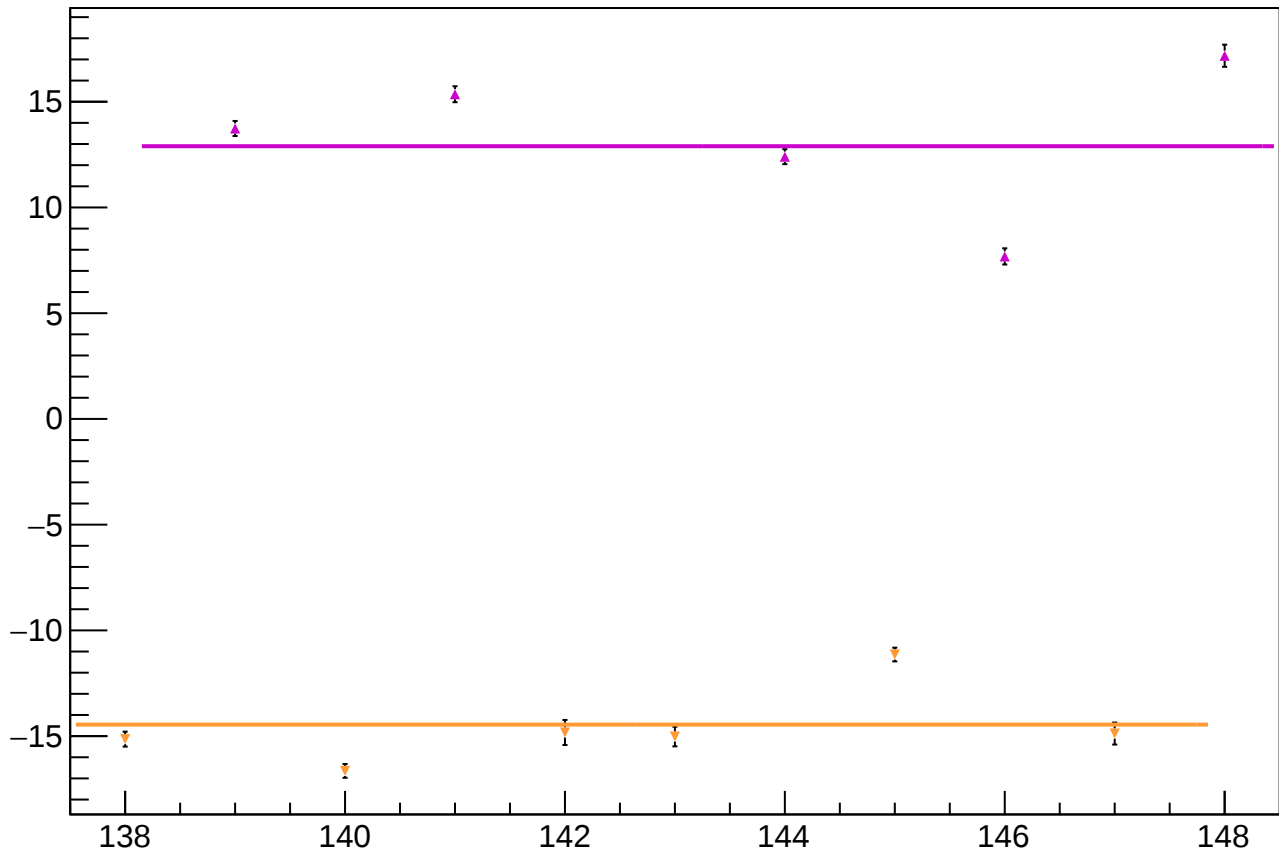
Left In: 0.310 ± 0.019 χ^2/NDF : 41.7/4

-0.336 ± 0.014 χ^2/NDF : 521.1/22

0.045 ± 0.010 χ^2/NDF : 2638.1/47

0.420 ± 0.014 χ^2/NDF : 685.6/24

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -14.455+/-0.162 χ^2/NDF : 155.7/5

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

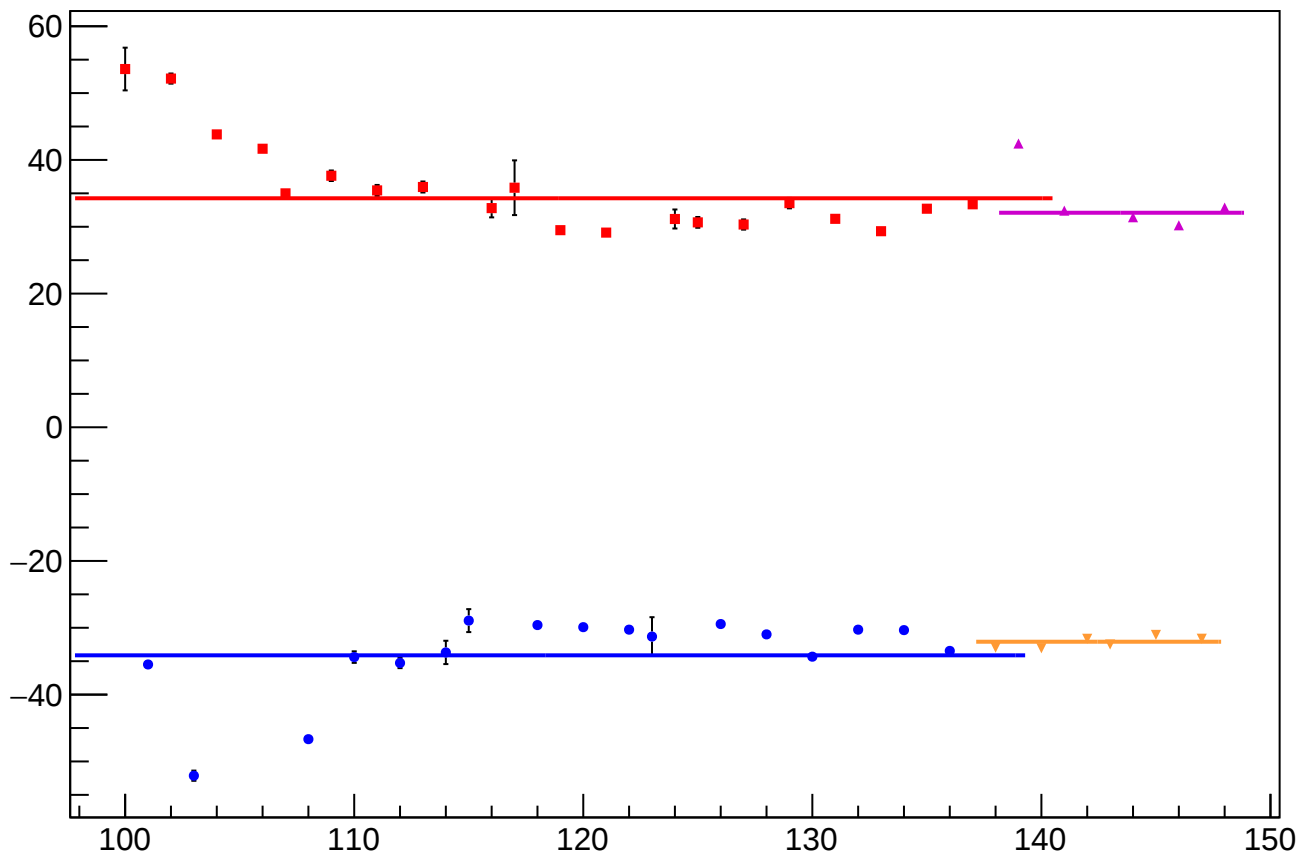
Left In: 12.897+/-0.173 χ^2/NDF : 301.5/4

-14.455+/-0.162 χ^2/NDF : 155.7/5

-1.685+/-0.118 χ^2/NDF : 13768.8/10

12.897+/-0.173 χ^2/NDF : 301.5/4

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: -32.088 ± 0.121 $\chi^2/\text{NDF}: 40.1/5$

Right Out: 34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

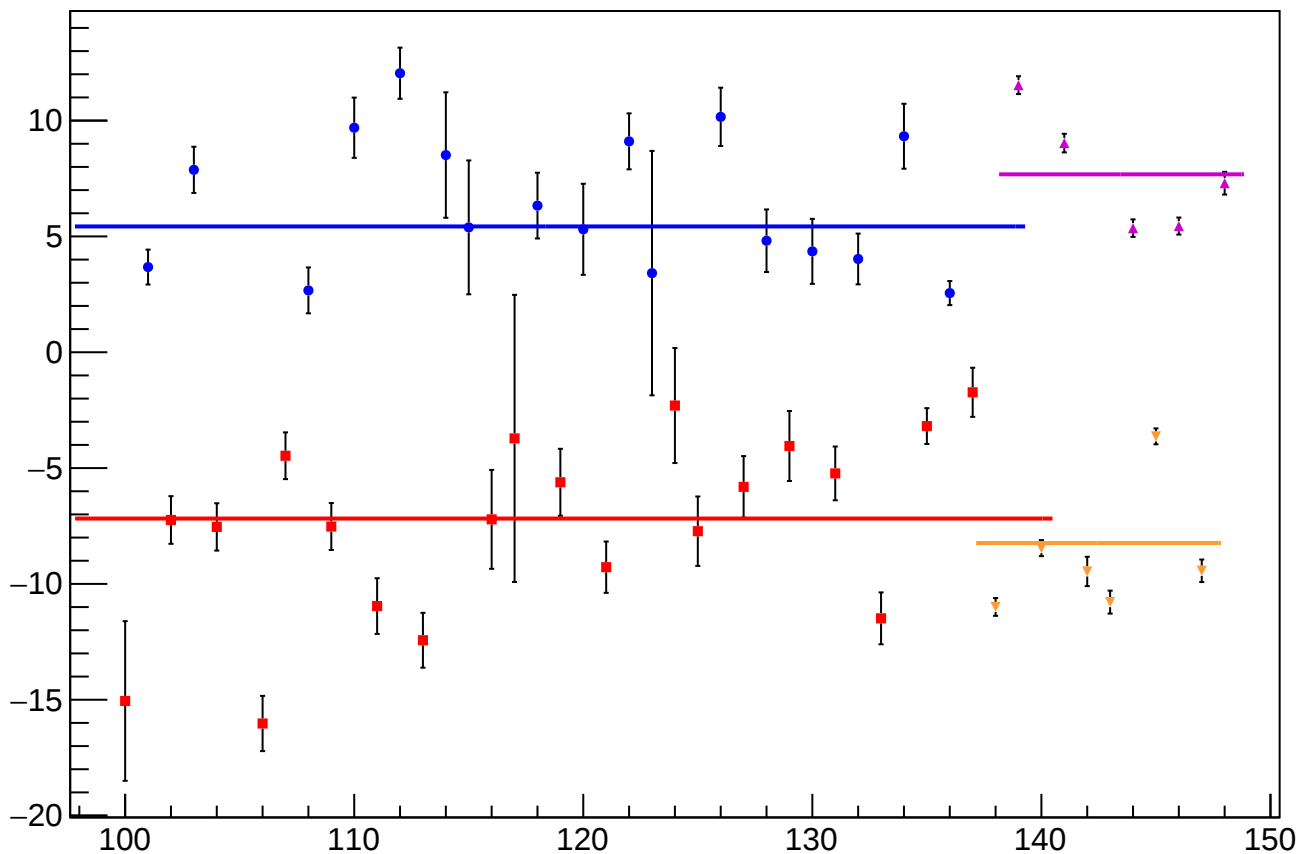
Left In: 32.097 ± 0.126 $\chi^2/\text{NDF}: 337.1/4$

-32.879 ± 0.095 $\chi^2/\text{NDF}: 1472.1/22$

-0.621 ± 0.068 $\chi^2/\text{NDF}: 240331.4/47$

32.987 ± 0.097 $\chi^2/\text{NDF}: 1813.7/24$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -8.235 ± 0.170 $\chi^2/\text{NDF}: 268.7/5$

Right Out: -7.178 ± 0.274 $\chi^2/\text{NDF}: 182.4/19$

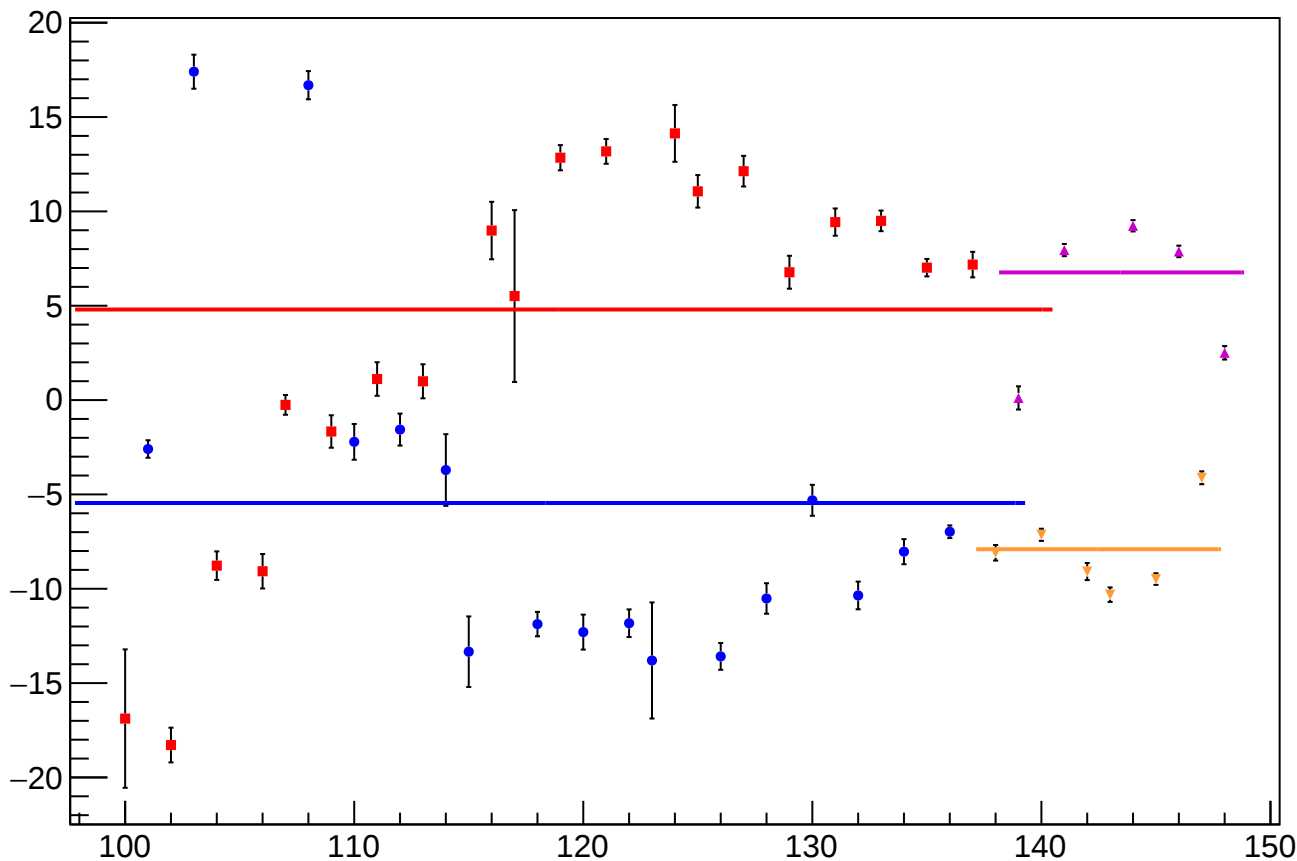
Left In: 7.681 ± 0.178 $\chi^2/\text{NDF}: 186.2/4$

-4.348 ± 0.144 $\chi^2/\text{NDF}: 2228.5/22$

-0.679 ± 0.104 $\chi^2/\text{NDF}: 6003.9/47$

3.263 ± 0.149 $\chi^2/\text{NDF}: 2432.6/24$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -7.906 ± 0.147 χ^2/NDF : 200.7/5

Right Out: 4.799 ± 0.173 χ^2/NDF : 2047.5/19

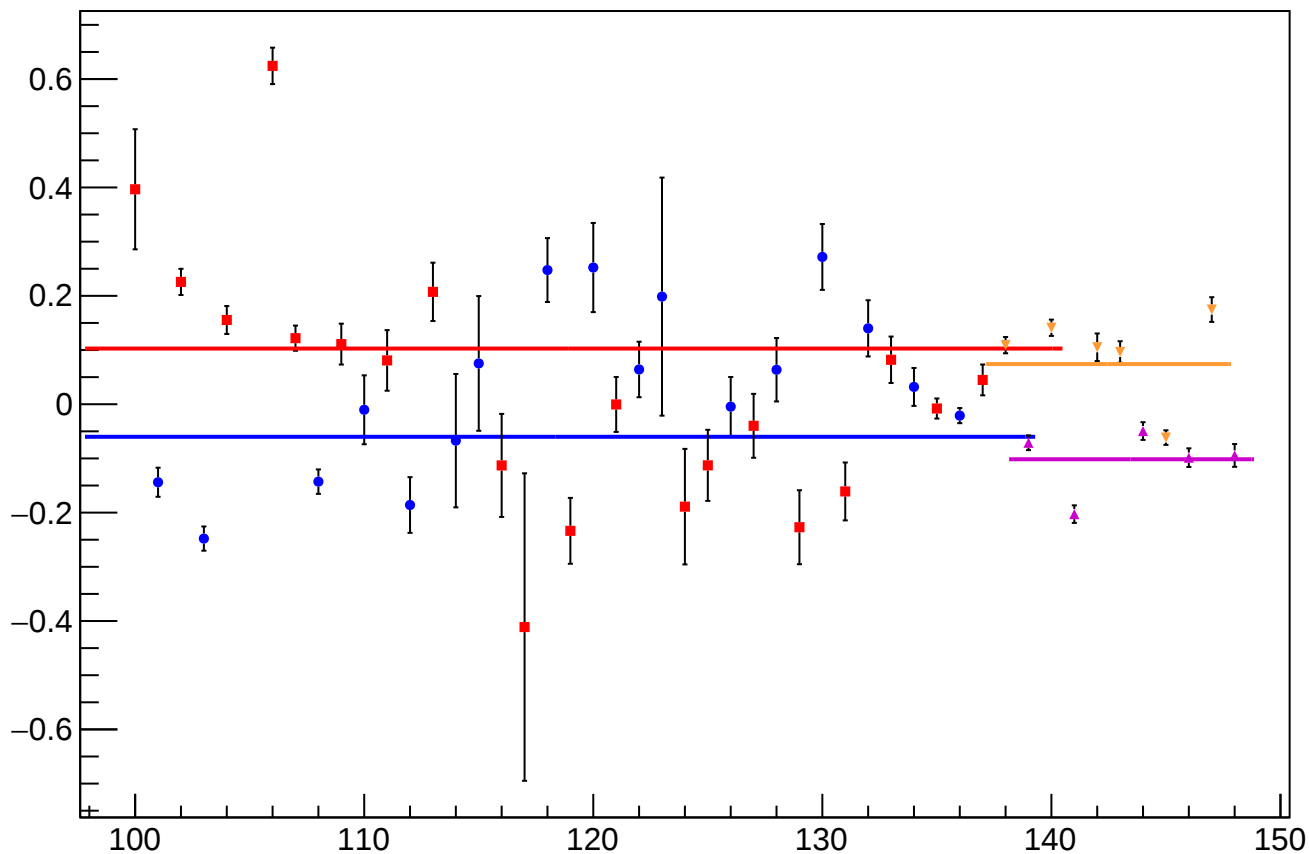
Left In: 6.765 ± 0.155 χ^2/NDF : 352.6/4

-6.862 ± 0.112 χ^2/NDF : 2415.3/22

-0.694 ± 0.080 χ^2/NDF : 11212.4/47

5.891 ± 0.115 χ^2/NDF : 2471.9/24

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: 0.074 ± 0.007 χ^2/NDF : 149.3/5

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

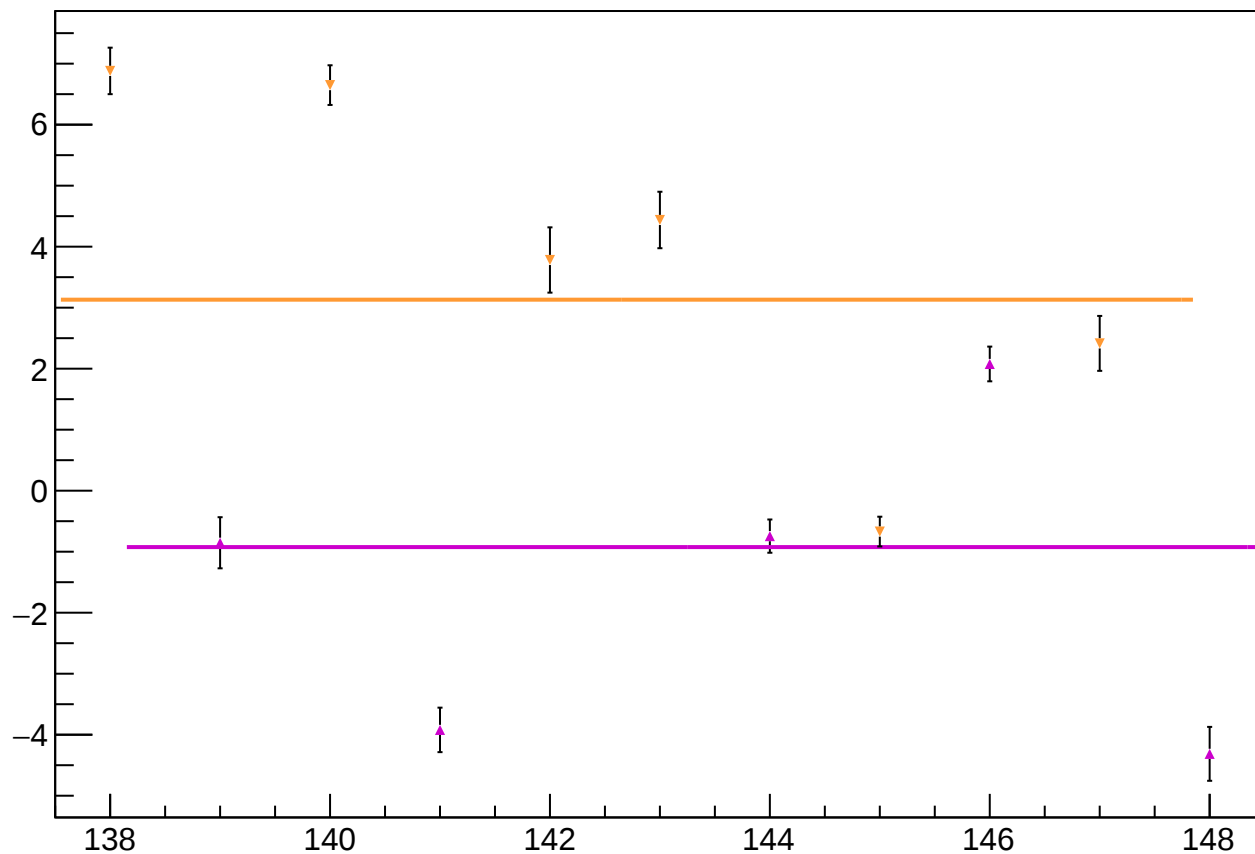
Left In: -0.102 ± 0.007 χ^2/NDF : 54.4/4

0.019 ± 0.005 χ^2/NDF : 515.4/22

0.003 ± 0.004 χ^2/NDF : 1359.9/47

-0.014 ± 0.006 χ^2/NDF : 826.4/24

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 3.131+/-0.147 χ^2/NDF : 468.7/5

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

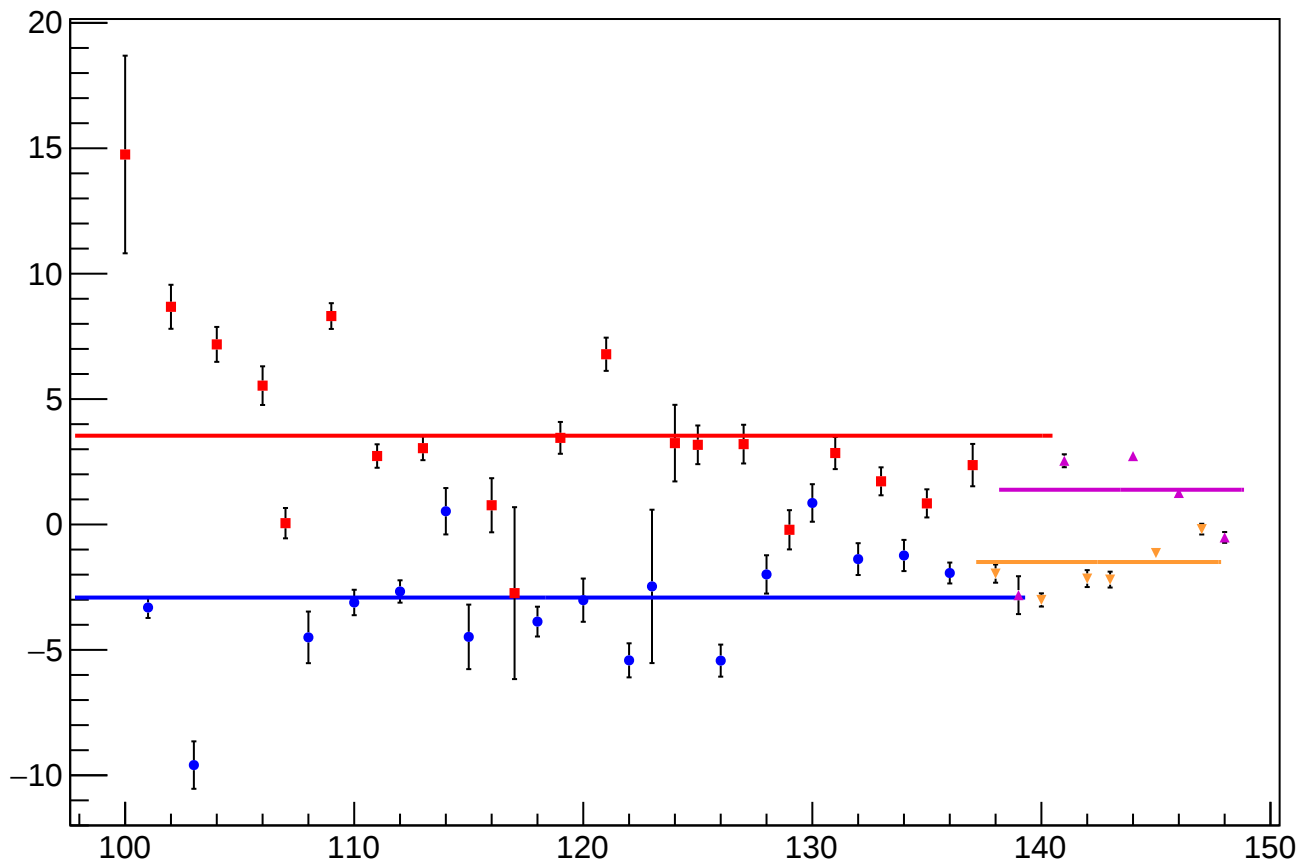
Left In: -0.924+/-0.150 χ^2/NDF : 238.2/4

3.131+/-0.147 χ^2/NDF : 468.7/5

1.150+/-0.105 χ^2/NDF : 1078.4/10

-0.924+/-0.150 χ^2/NDF : 238.2/4

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: -1.496 ± 0.106 χ^2/NDF : 84.2/5

Right Out: 3.540 ± 0.154 χ^2/NDF : 294.2/19

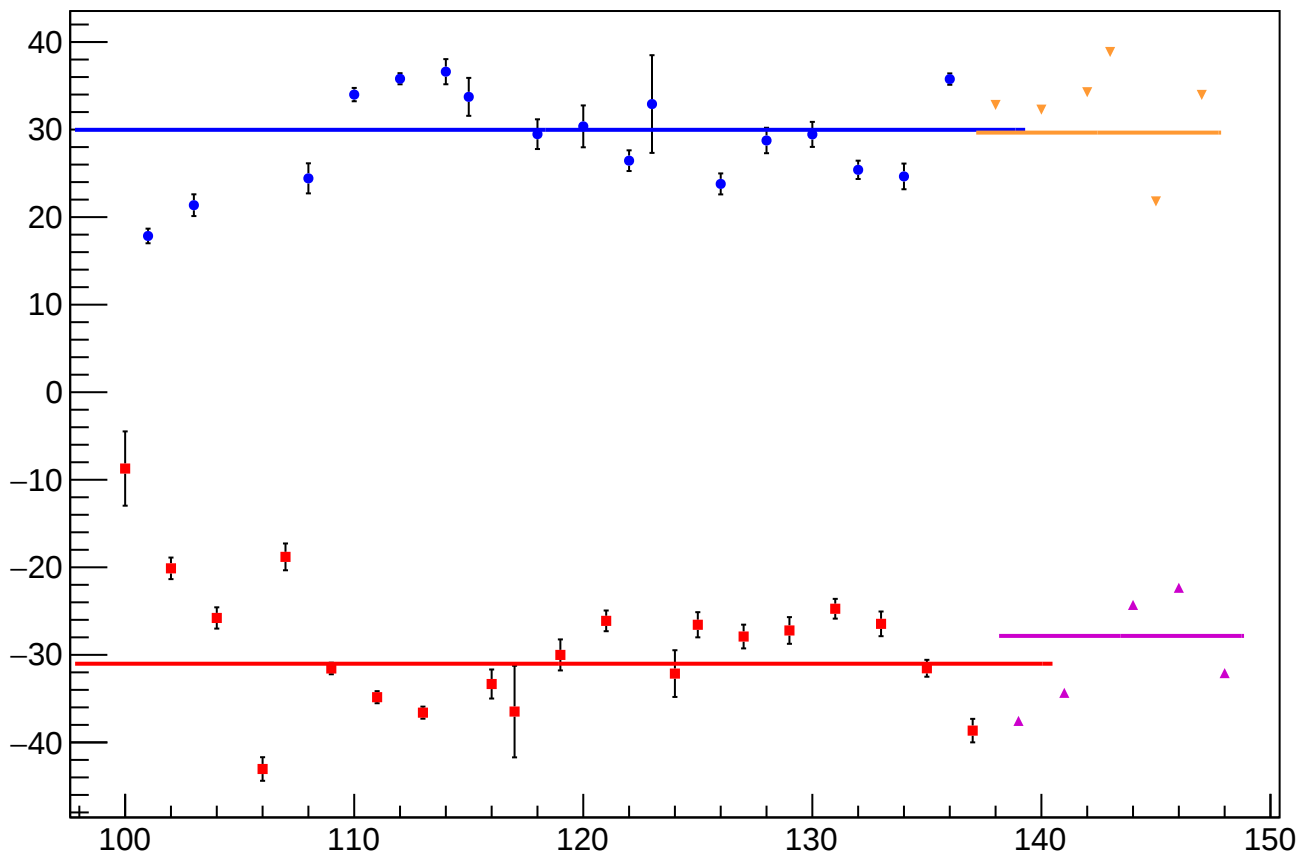
Left In: 1.385 ± 0.101 χ^2/NDF : 176.8/4

-1.950 ± 0.088 χ^2/NDF : 287.2/22

0.109 ± 0.061 χ^2/NDF : 1962.8/47

2.033 ± 0.085 χ^2/NDF : 607.2/24

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: 29.654 $\pm$ 0.155 χ^2/NDF : 1549.2/5

Right Out: -31.013 $\pm$ 0.260 χ^2/NDF : 480.6/19

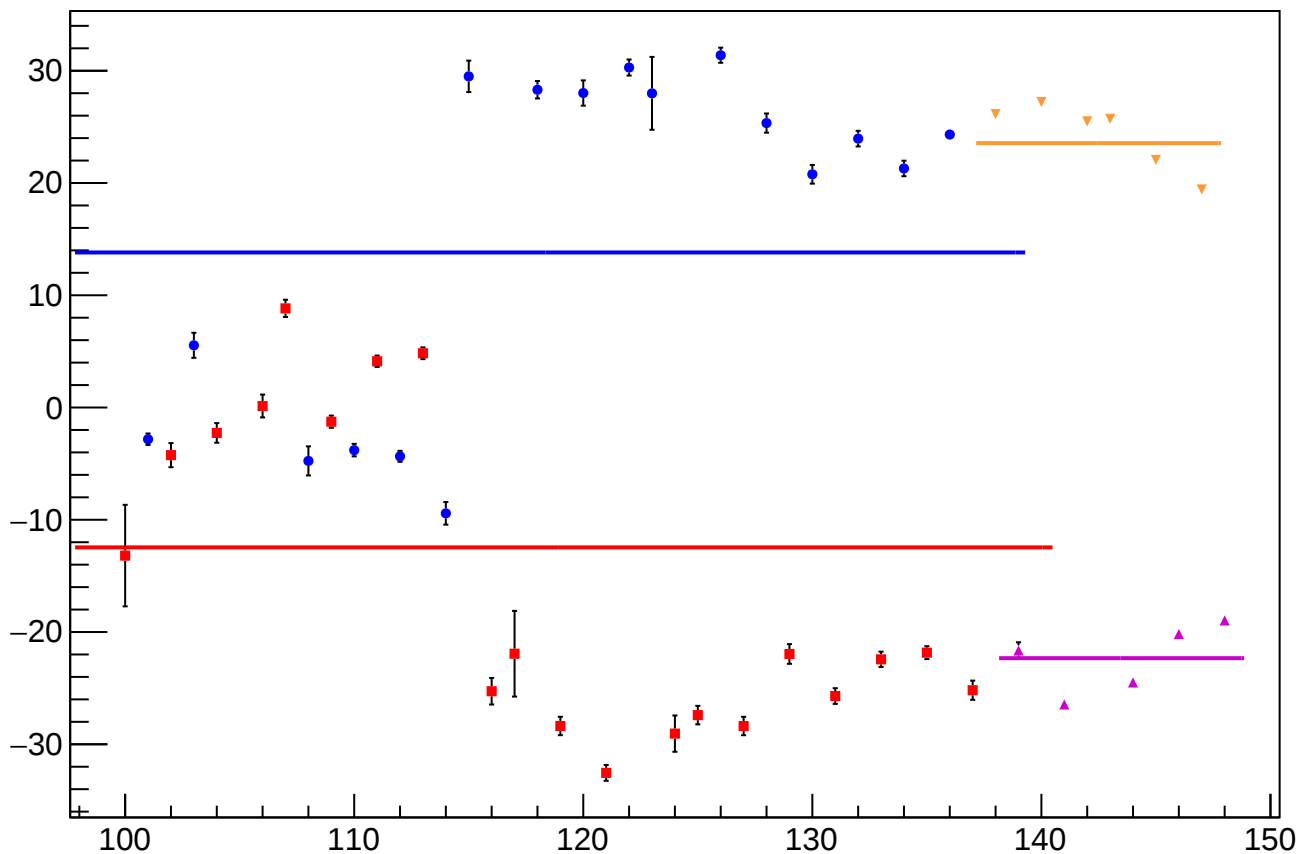
Left In: -27.836 $\pm$ 0.153 χ^2/NDF : 1397.2/4

29.734 $\pm$ 0.134 χ^2/NDF : 2104.6/22

0.164 $\pm$ 0.094 χ^2/NDF : 100508.1/47

-28.658 $\pm$ 0.132 χ^2/NDF : 1988.6/24

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: 23.556+/-0.130 χ^2/NDF : 463.4/5

Right Out: -12.460+/-0.174 χ^2/NDF : 6976.5/19

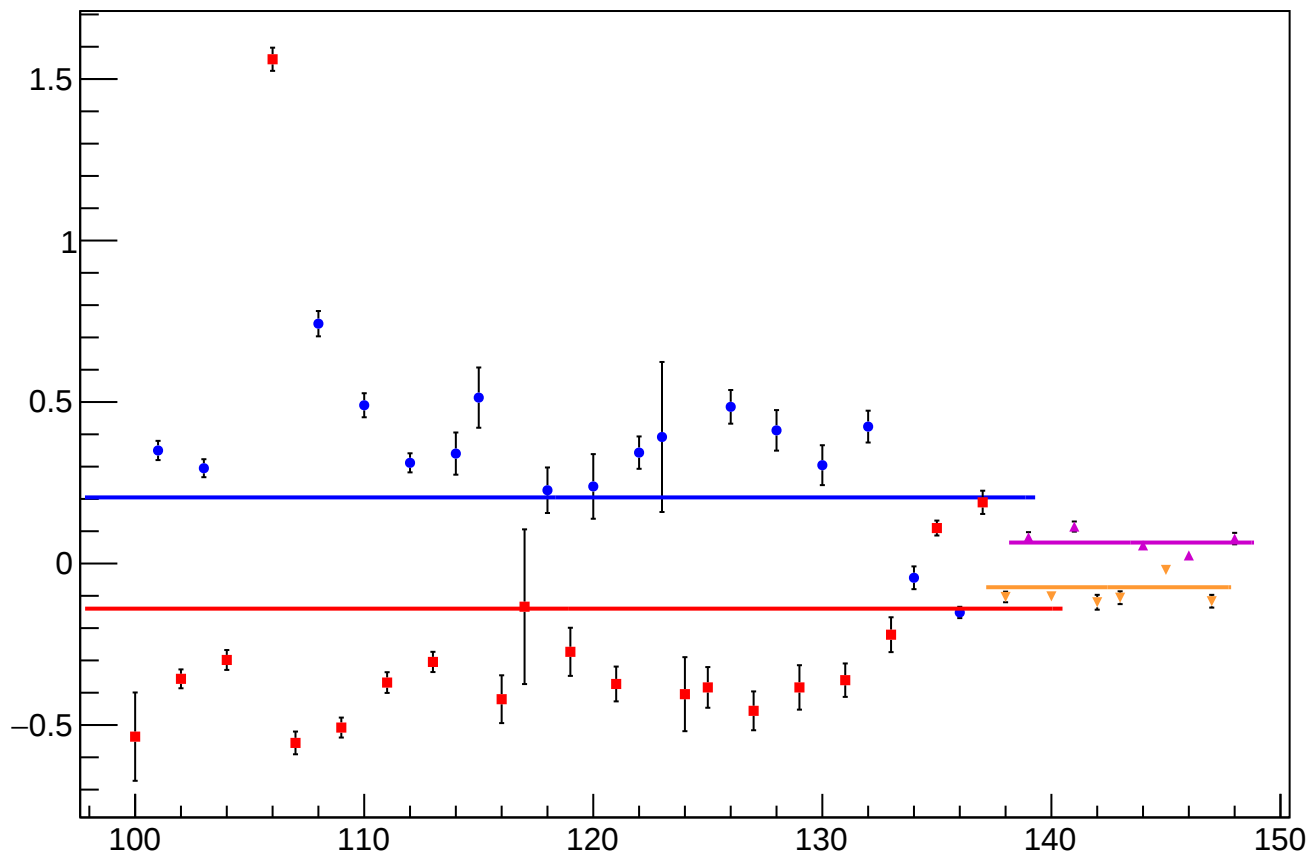
Left In: -22.330+/-0.126 χ^2/NDF : 484.0/4

20.035+/-0.104 χ^2/NDF : 9815.1/22

0.250+/-0.073 χ^2/NDF : 90901.7/47

-18.910+/-0.102 χ^2/NDF : 9574.3/24

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 $\chi^2/\text{NDF}: 845.8/16$

Left Out: -0.073 ± 0.006 $\chi^2/\text{NDF}: 46.2/5$

Right Out: -0.140 ± 0.009 $\chi^2/\text{NDF}: 3014.2/19$

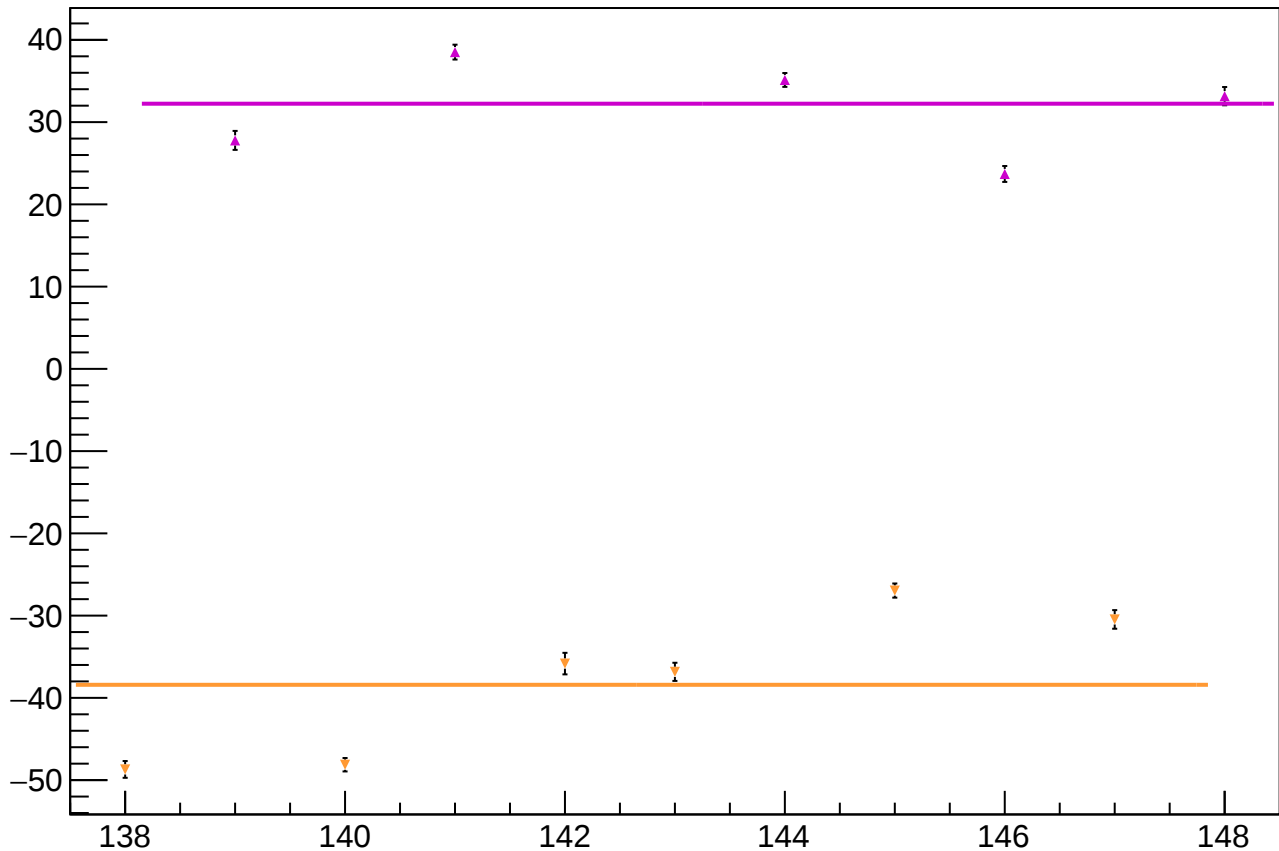
Left In: 0.065 ± 0.006 $\chi^2/\text{NDF}: 21.8/4$

0.014 ± 0.005 $\chi^2/\text{NDF}: 1494.9/22$

0.006 ± 0.004 $\chi^2/\text{NDF}: 4866.2/47$

-0.003 ± 0.005 $\chi^2/\text{NDF}: 3366.0/24$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -38.412+/-0.408 χ^2/NDF : 476.0/5

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

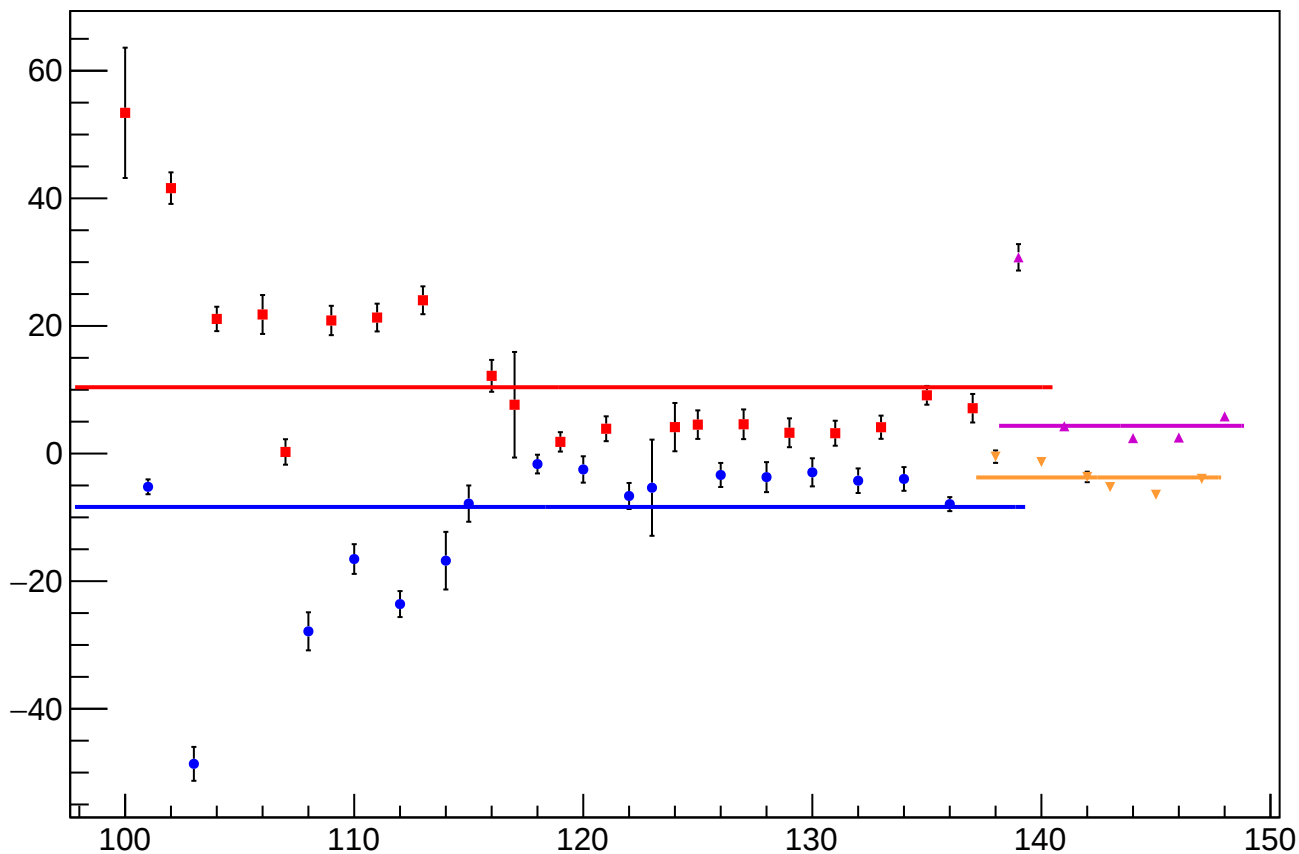
Left In: 32.239+/-0.436 χ^2/NDF : 153.5/4

-38.412+/-0.408 χ^2/NDF : 476.0/5

-5.403+/-0.298 χ^2/NDF : 14620.2/10

32.239+/-0.436 χ^2/NDF : 153.5/4

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -3.743 ± 0.287 χ^2/NDF : 43.8/5

Right Out: 10.396 ± 0.490 χ^2/NDF : 430.4/19

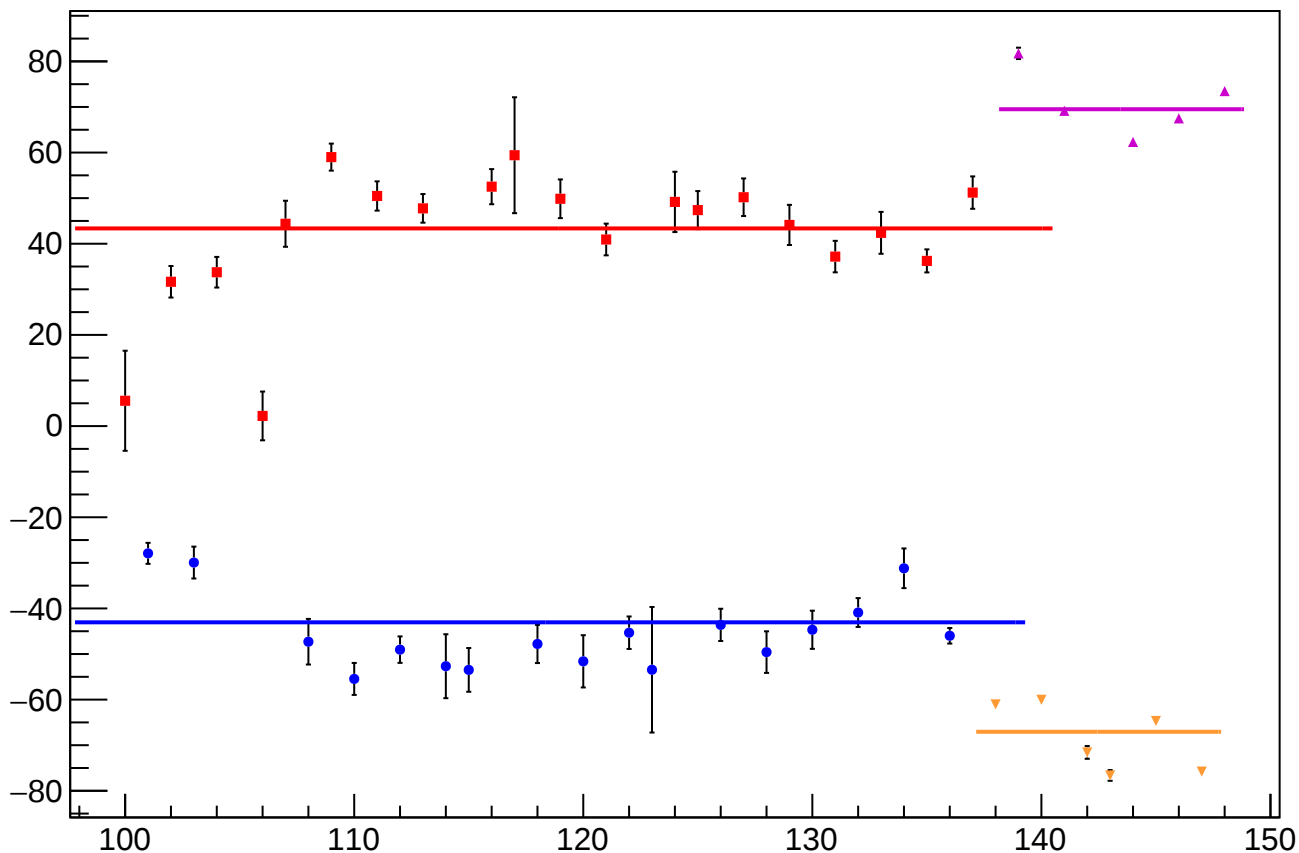
Left In: 4.349 ± 0.289 χ^2/NDF : 190.8/4

-5.017 ± 0.245 χ^2/NDF : 523.9/22

0.350 ± 0.174 χ^2/NDF : 2238.2/47

5.909 ± 0.249 χ^2/NDF : 734.2/24

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: -67.057 ± 0.428 χ^2/NDF : 246.4/5

Right Out: 43.357 ± 0.865 χ^2/NDF : 156.0/19

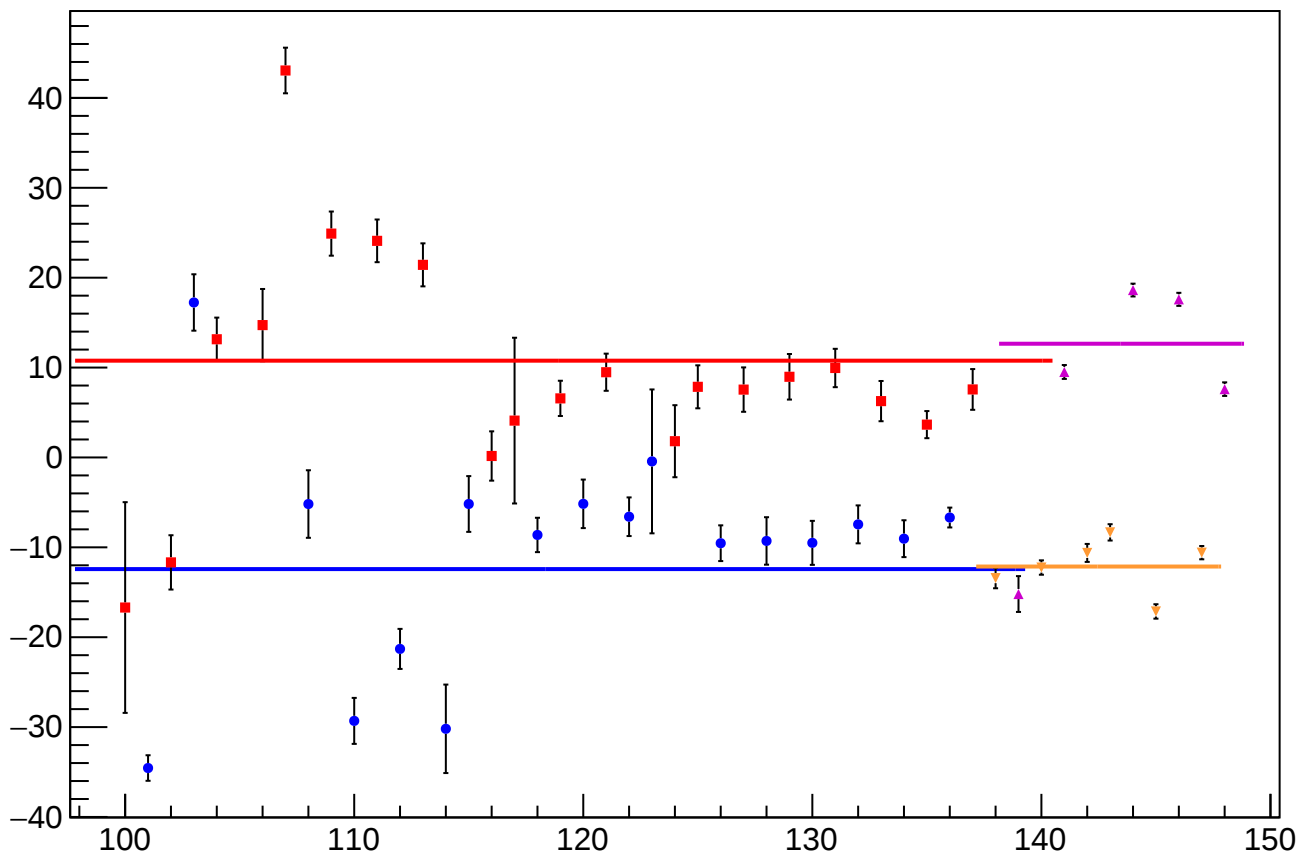
Left In: 69.504 ± 0.445 χ^2/NDF : 178.8/4

-62.087 ± 0.381 χ^2/NDF : 997.6/22

-1.486 ± 0.275 χ^2/NDF : 54729.7/47

64.025 ± 0.396 χ^2/NDF : 1056.8/24

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: -12.136 $\pm$ 0.355 χ^2 /NDF: 64.2/5

Right Out: 10.766 $\pm$ 0.553 χ^2 /NDF: 366.3/19

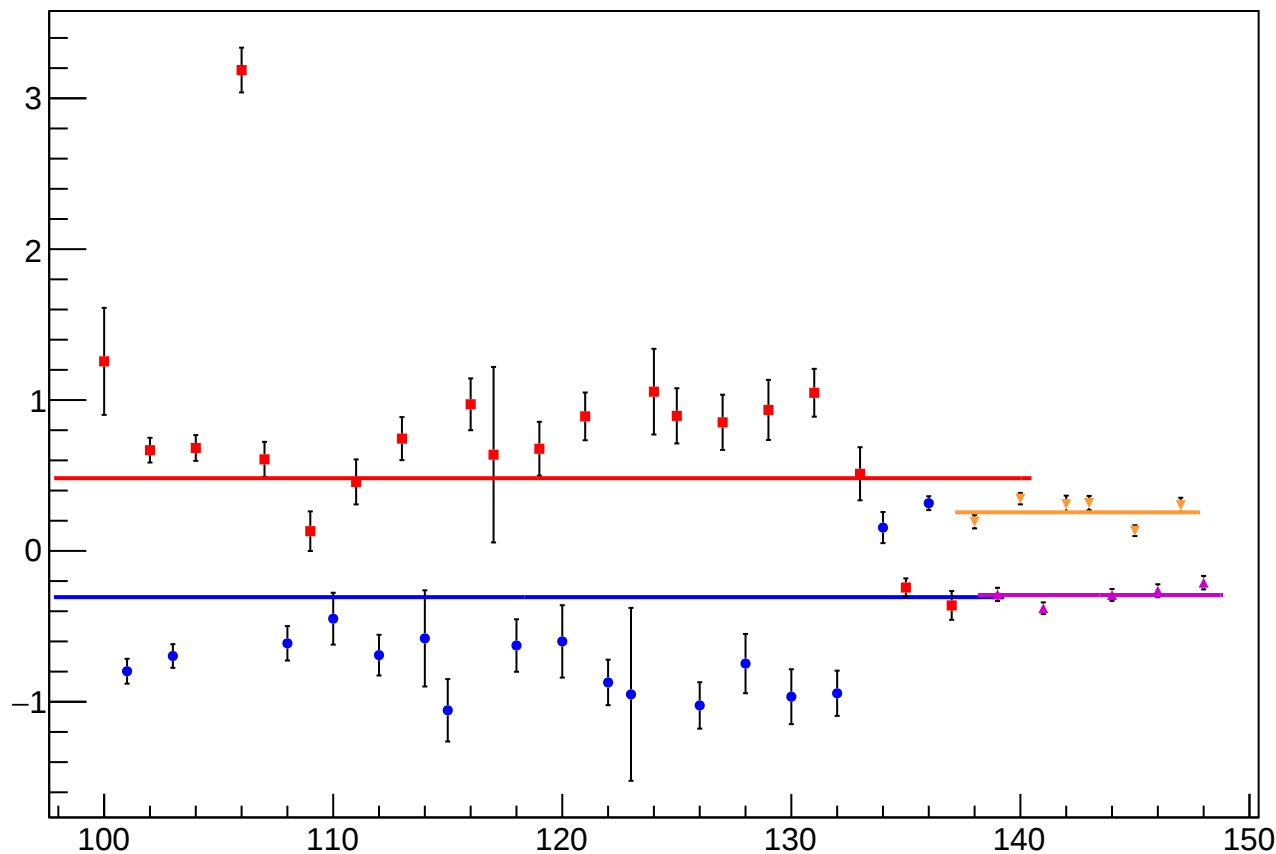
Left In: 12.651 $\pm$ 0.364 χ^2 /NDF: 372.8/4

-12.226 $\pm$ 0.294 χ^2 /NDF: 538.8/22

-0.493 $\pm$ 0.211 χ^2 /NDF: 4590.2/47

12.081 $\pm$ 0.304 χ^2 /NDF: 747.2/24

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: 0.256 ± 0.018 χ^2/NDF : 22.7/5

Right Out: 0.482 ± 0.029 χ^2/NDF : 628.3/19

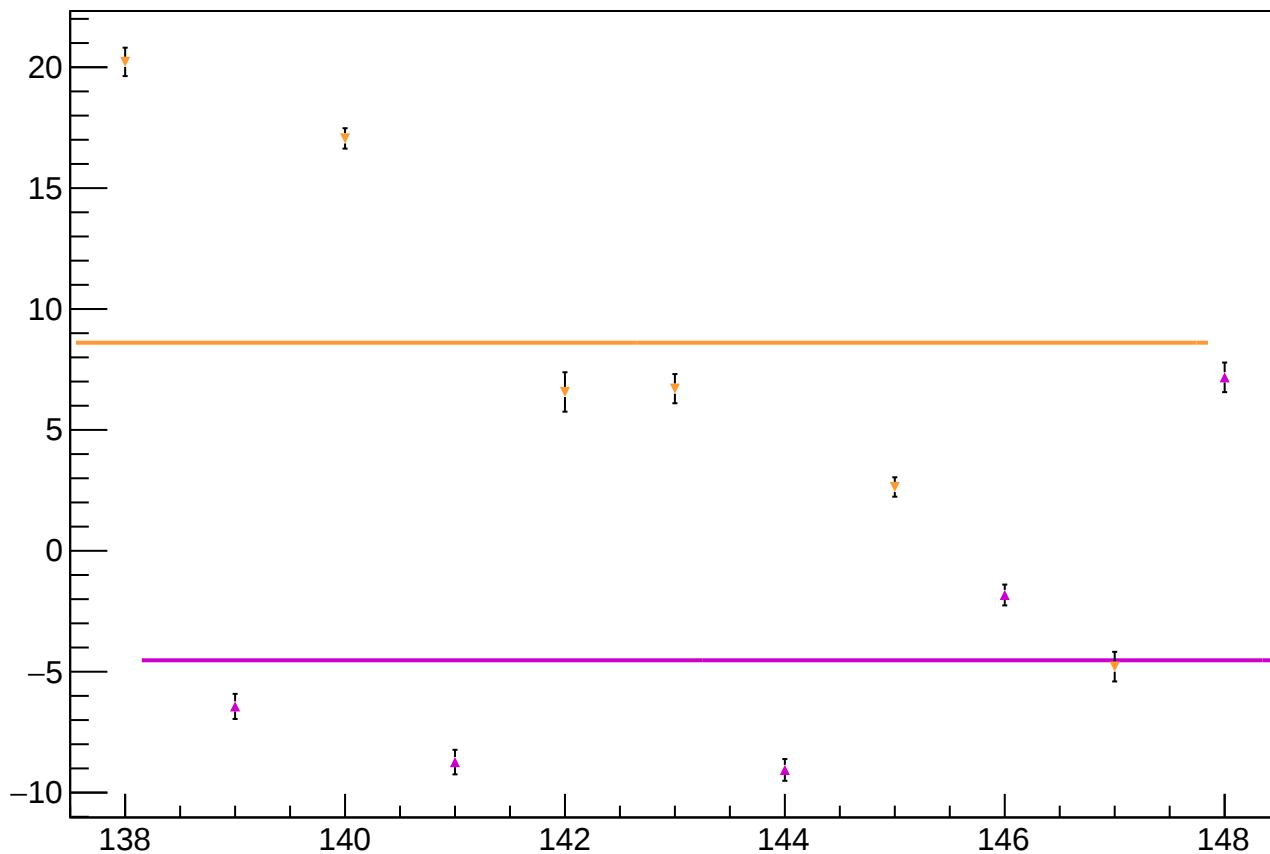
Left In: -0.292 ± 0.019 χ^2/NDF : 8.9/4

0.090 ± 0.015 χ^2/NDF : 687.8/22

0.018 ± 0.011 χ^2/NDF : 1887.9/47

-0.060 ± 0.016 χ^2/NDF : 1151.6/24

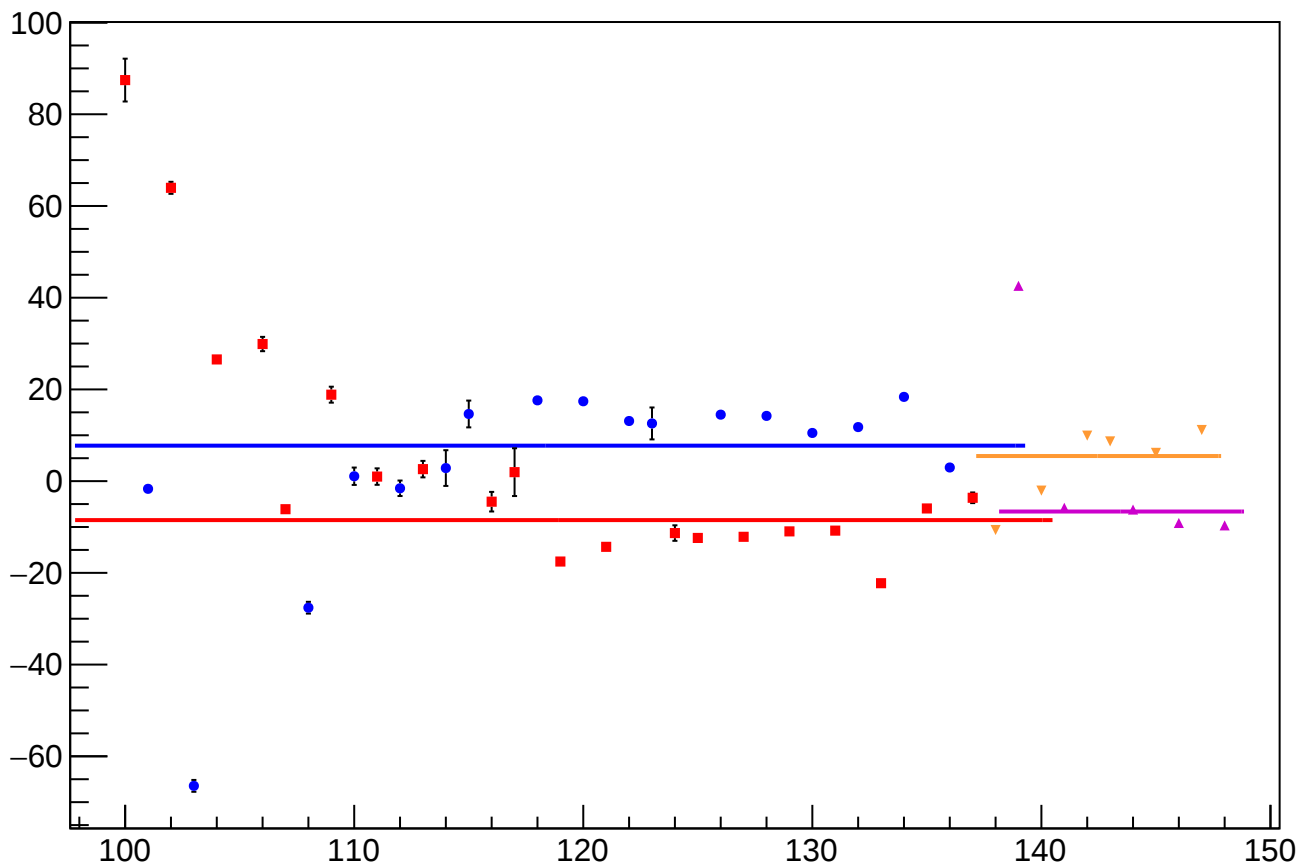
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.607 $\pm$ 0.215 χ^2 /NDF:1506.9/5
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.528 $\pm$ 0.220 χ^2 /NDF:588.5/4

8.607 $\pm$ 0.215 χ^2 /NDF: 1506.9/5
 2.206 $\pm$ 0.154 χ^2 /NDF: 3914.5/10
 -4.528 $\pm$ 0.220 χ^2 /NDF: 588.5/4

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: 5.475 ± 0.156 $\chi^2/\text{NDF}: 1706.1/5$

Right Out: -8.496 ± 0.213 $\chi^2/\text{NDF}: 6723.5/19$

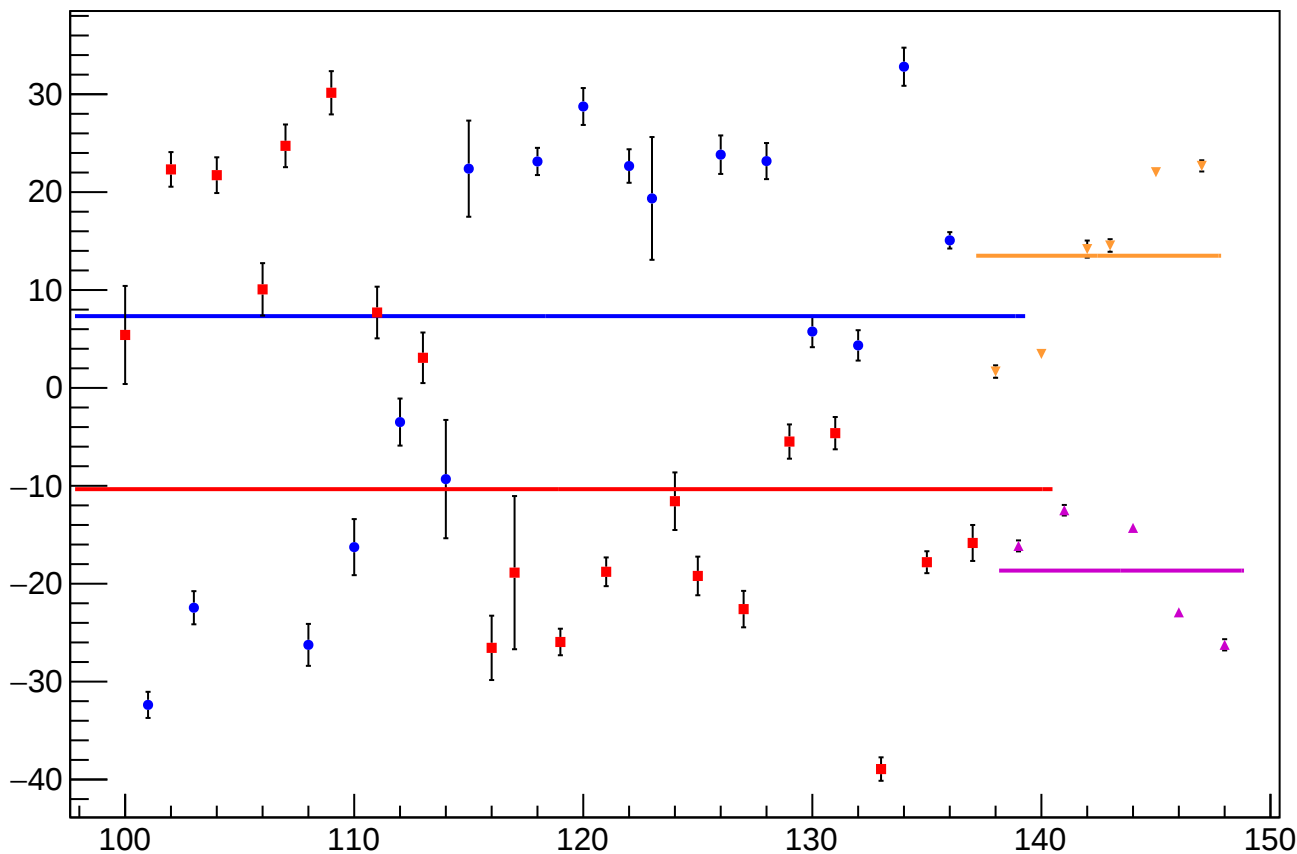
Left In: -6.626 ± 0.154 $\chi^2/\text{NDF}: 2901.5/4$

6.238 ± 0.127 $\chi^2/\text{NDF}: 7078.0/22$

-0.621 ± 0.089 $\chi^2/\text{NDF}: 22524.1/47$

-7.267 ± 0.125 $\chi^2/\text{NDF}: 9675.6/24$

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: 13.503+/-0.225 χ^2/NDF :1506.7/5

Right Out: -10.342+/-0.416 χ^2/NDF : 2282.7/19

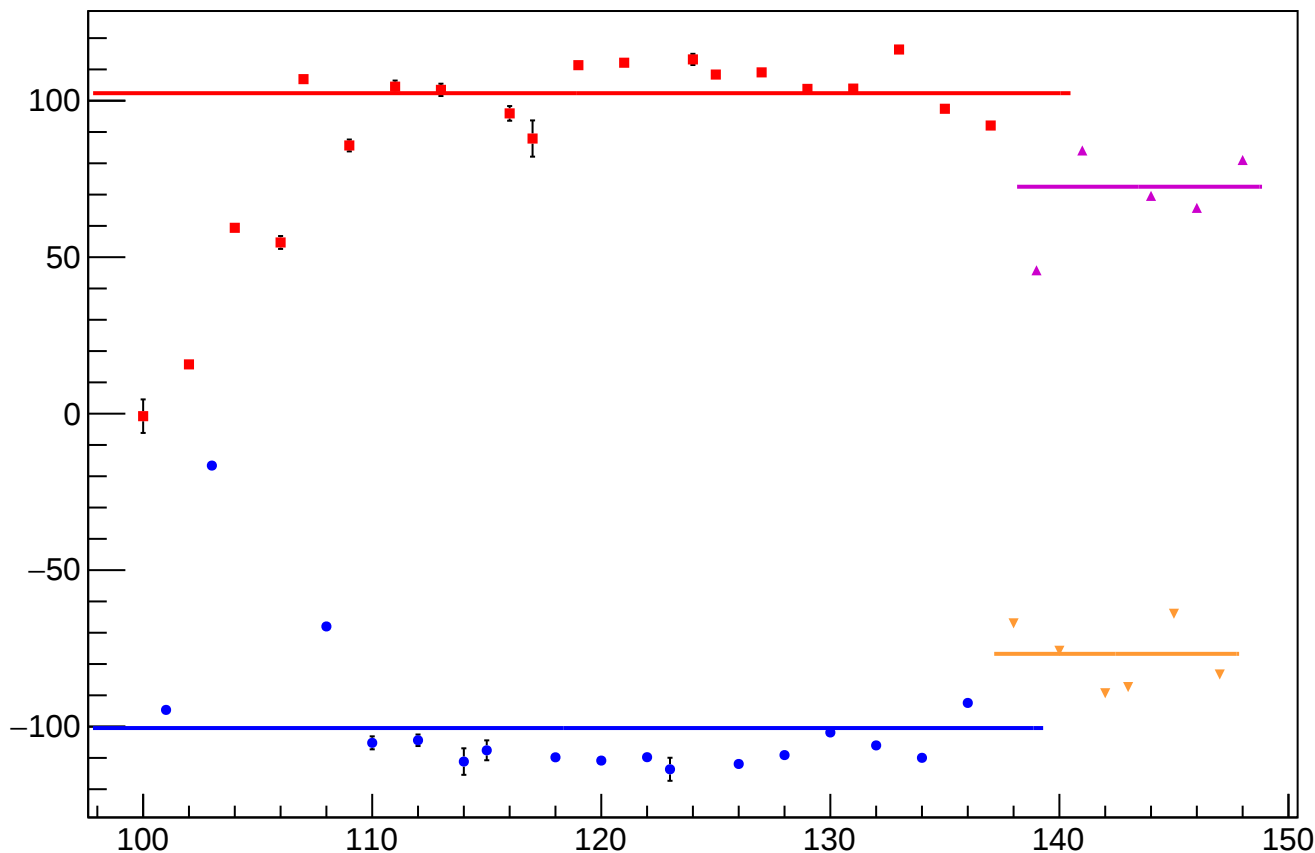
Left In: -18.660+/-0.225 χ^2/NDF :512.8/4

12.119+/-0.198 χ^2/NDF : 3968.4/22

-2.356+/-0.140 χ^2/NDF : 17713.7/47

-16.779+/-0.198 χ^2/NDF : 3104.5/24

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: -76.744 ± 0.191 χ^2/NDF : 2478.3/5

Right Out: 102.405 ± 0.246 χ^2/NDF : 6100.6/19

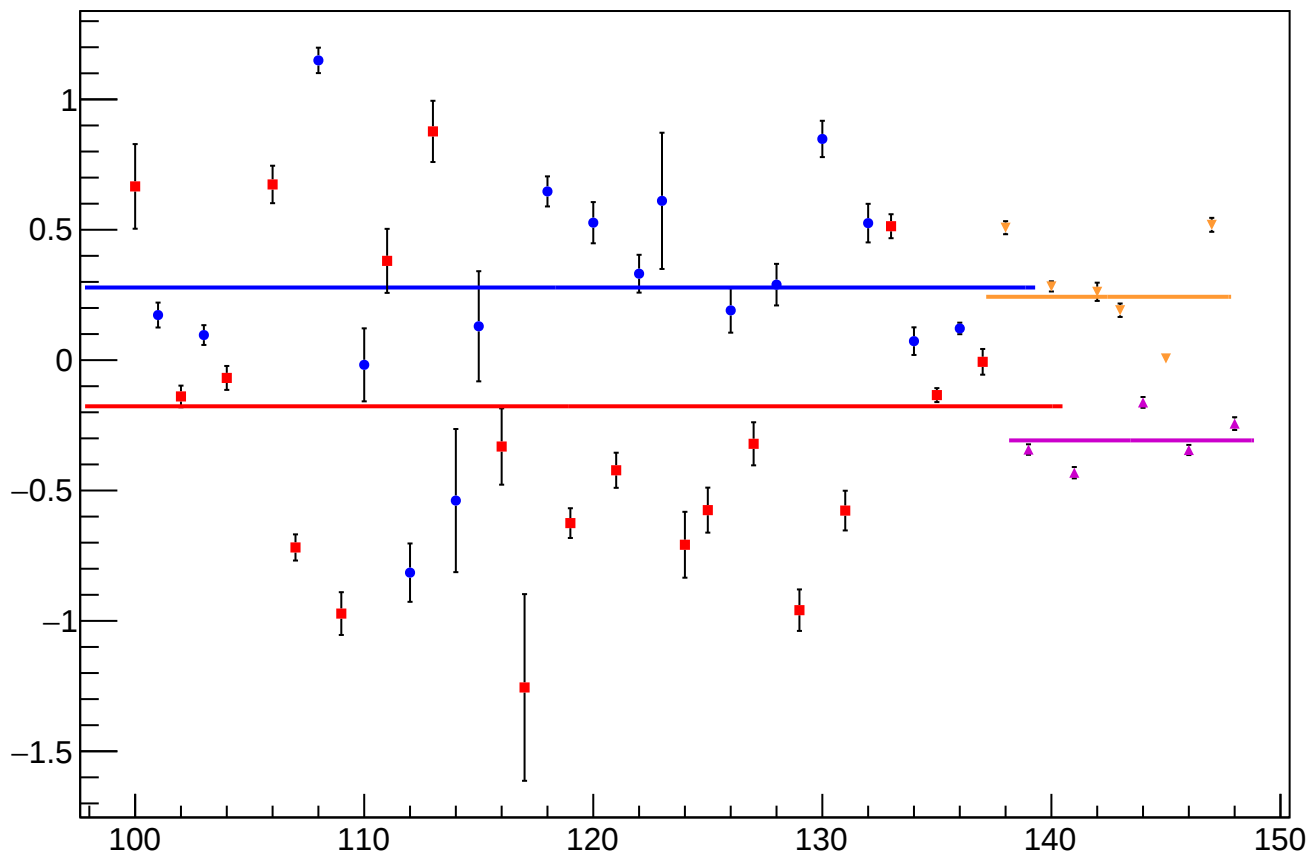
Left In: 72.516 ± 0.191 χ^2/NDF : 2428.4/4

-85.435 ± 0.152 χ^2/NDF : 12605.0/22

-0.239 ± 0.107 χ^2/NDF : 655792.5/47

83.730 ± 0.151 χ^2/NDF : 17749.4/24

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.243 ± 0.009 χ^2/NDF : 428.3/5

Right Out: -0.177 ± 0.013 χ^2/NDF : 976.8/19

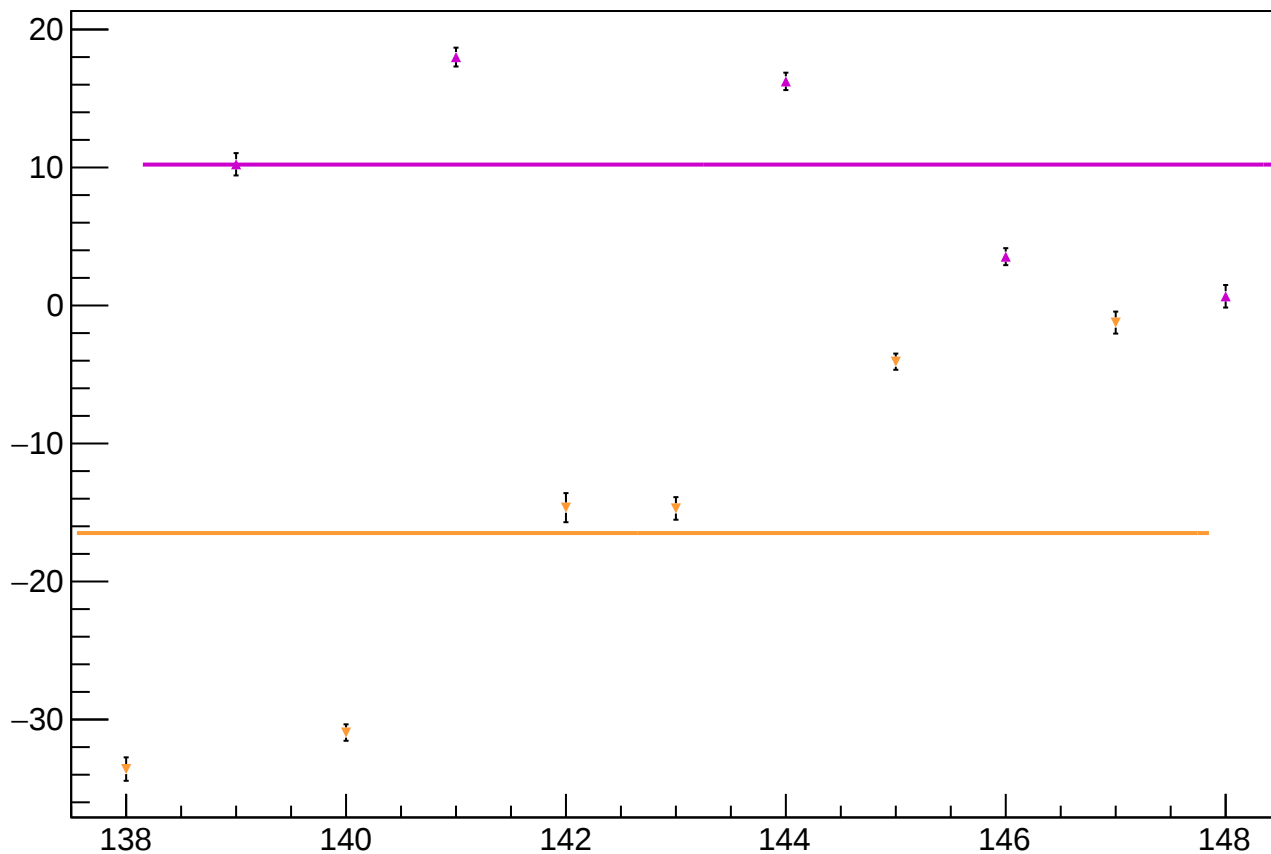
Left In: -0.308 ± 0.009 χ^2/NDF : 95.3/4

0.254 ± 0.008 χ^2/NDF : 1086.9/22

-0.003 ± 0.005 χ^2/NDF : 4496.6/47

-0.265 ± 0.008 χ^2/NDF : 1135.4/24

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -16.489+/-0.301 χ^2/NDF : 1815.5/5

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

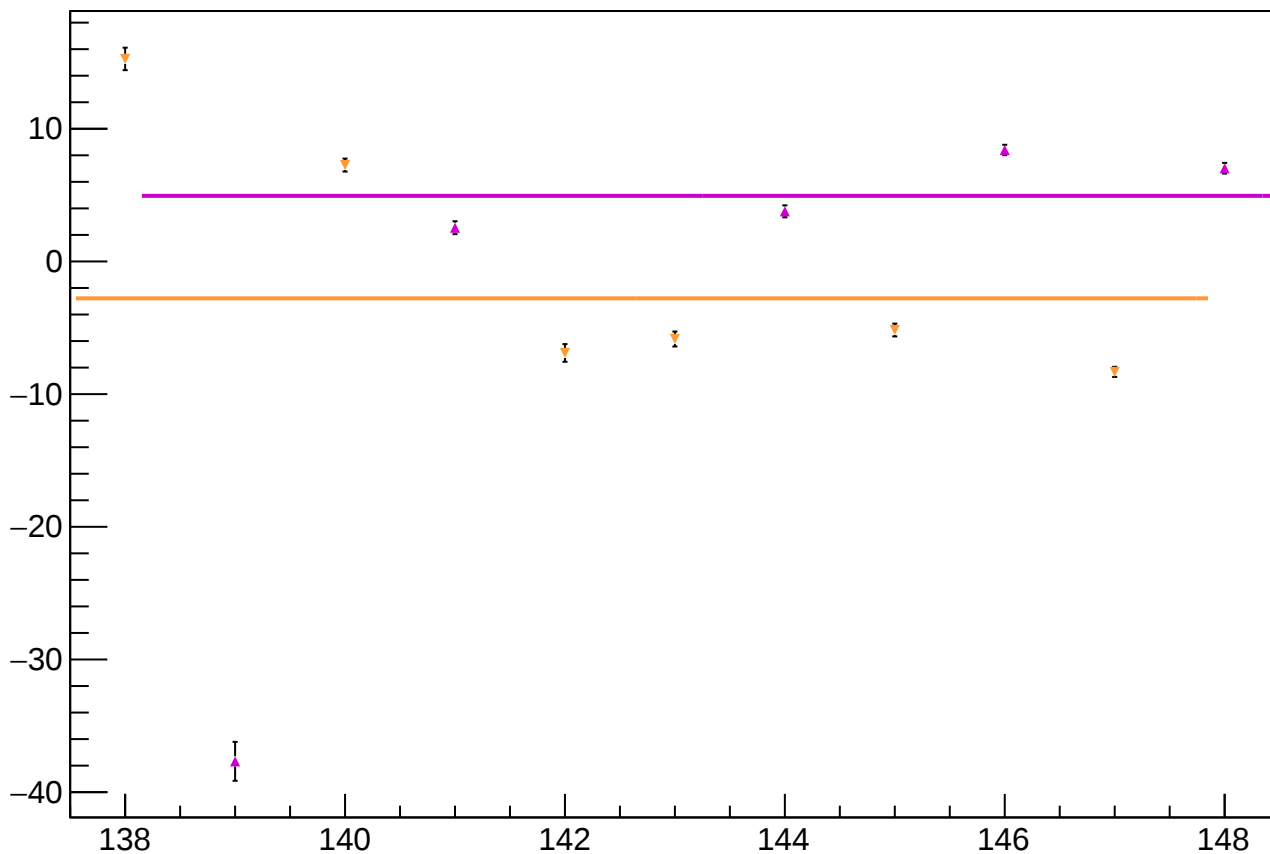
Left In: 10.211+/-0.311 χ^2/NDF : 475.6/4

-16.489+/-0.301 χ^2/NDF : 1815.5/5

-3.605+/-0.216 χ^2/NDF : 6099.9/10

10.211+/-0.311 χ^2/NDF : 475.6/4

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.779+/-0.213 χ^2/NDF : 1179.2/5

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

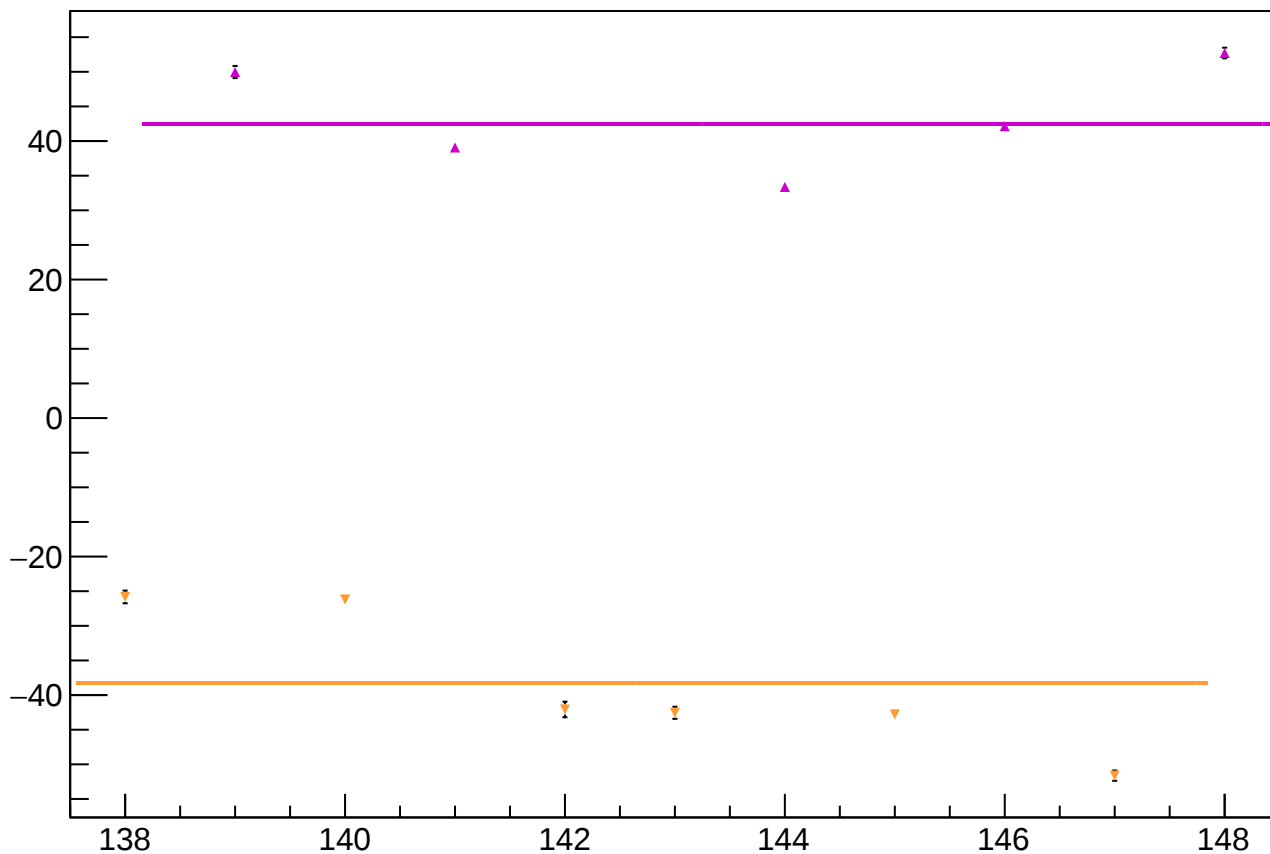
Left In: 4.946+/-0.211 χ^2/NDF : 981.3/4

-2.779+/-0.213 χ^2/NDF : 1179.2/5

1.106+/-0.150 χ^2/NDF : 2824.5/10

4.946+/-0.211 χ^2/NDF : 981.3/4

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -38.255+/-0.314 χ^2/NDF : 954.6/5

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

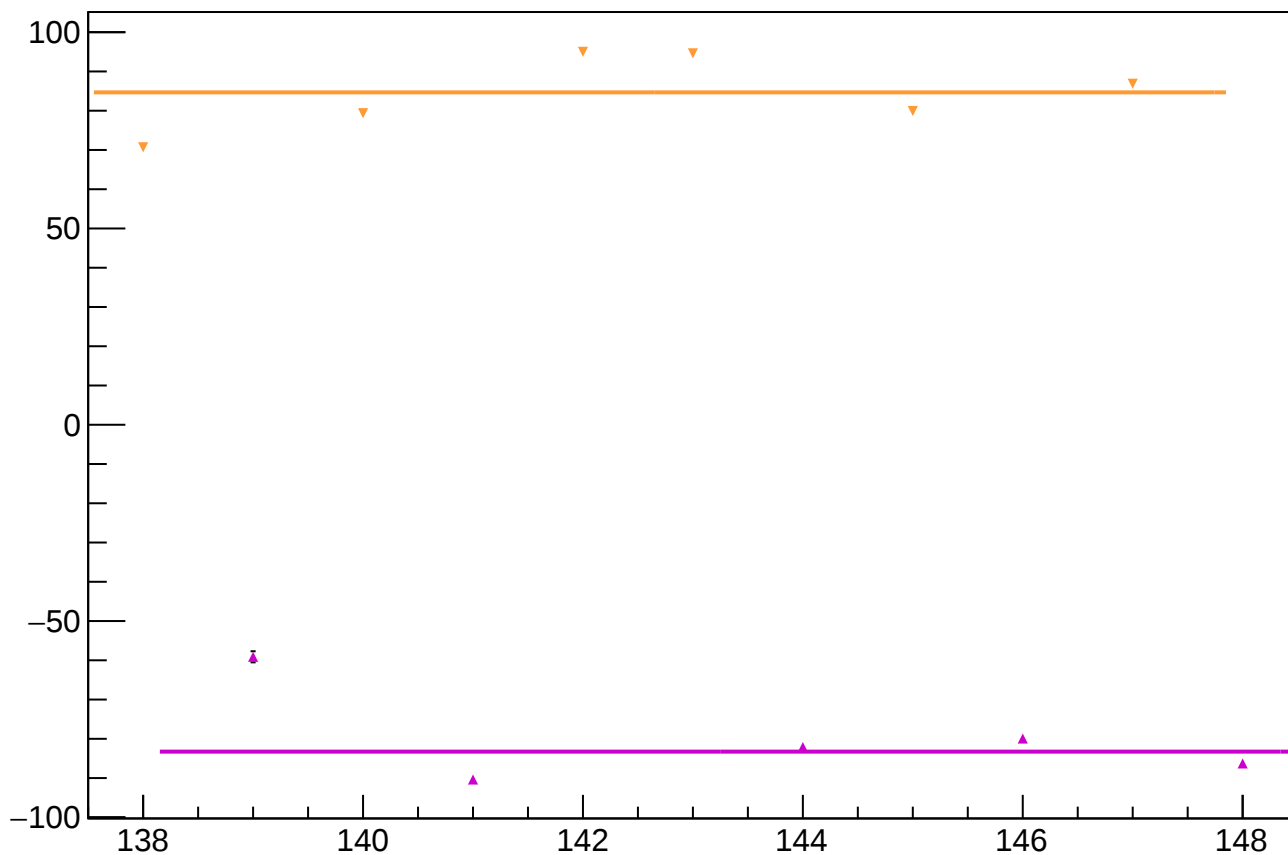
Left In: 42.466+/-0.317 χ^2/NDF : 455.9/4

-38.255+/-0.314 χ^2/NDF : 954.6/5

1.706+/-0.223 χ^2/NDF : 34181.1/10

42.466+/-0.317 χ^2/NDF : 455.9/4

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 84.676+/-0.262 χ^2/NDF : 758.9/5

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

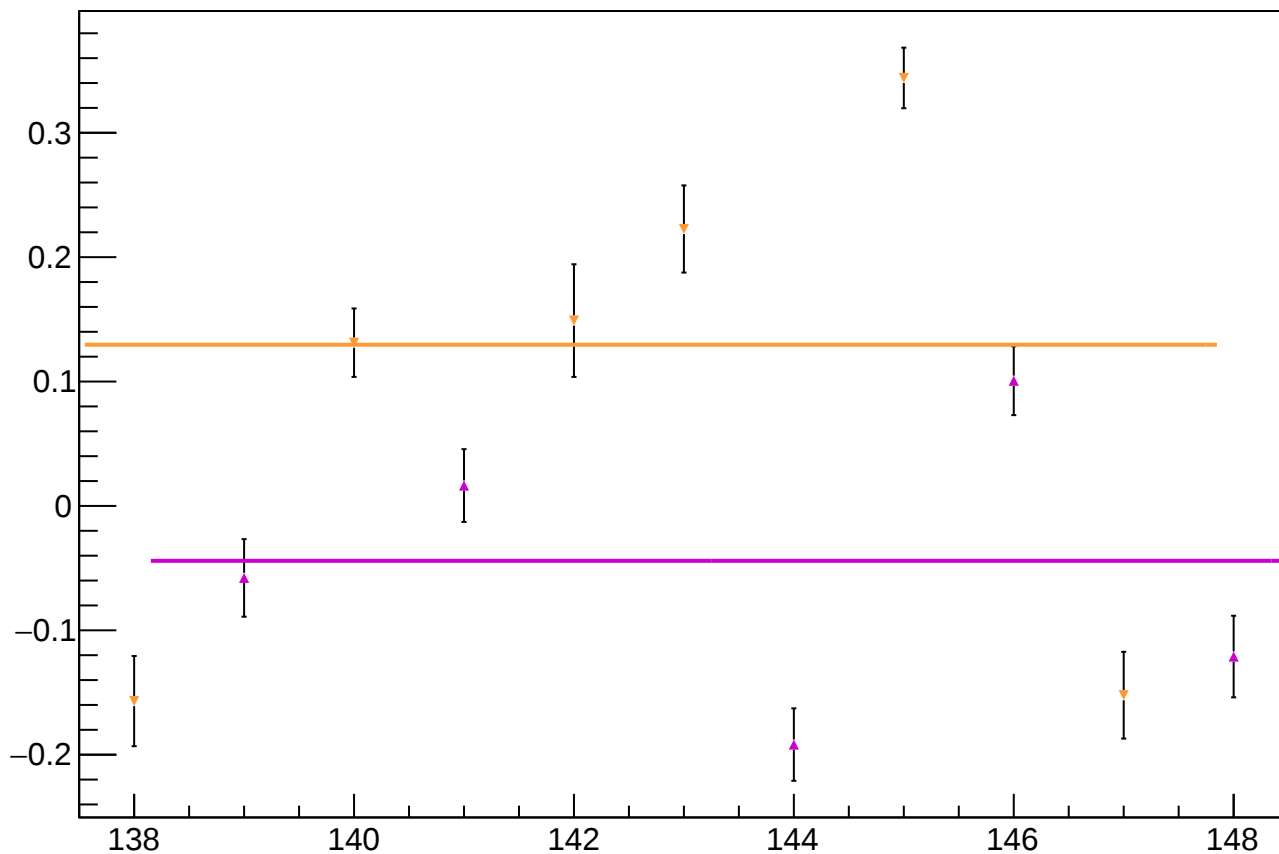
Left In: -83.265+/-0.264 χ^2/NDF : 520.6/4

84.676+/-0.262 χ^2/NDF : 758.9/5

1.182+/-0.186 χ^2/NDF : 205340.5/10

-83.265+/-0.264 χ^2/NDF : 520.6/4

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.130+/-0.013 χ^2/NDF : 212.5/5

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

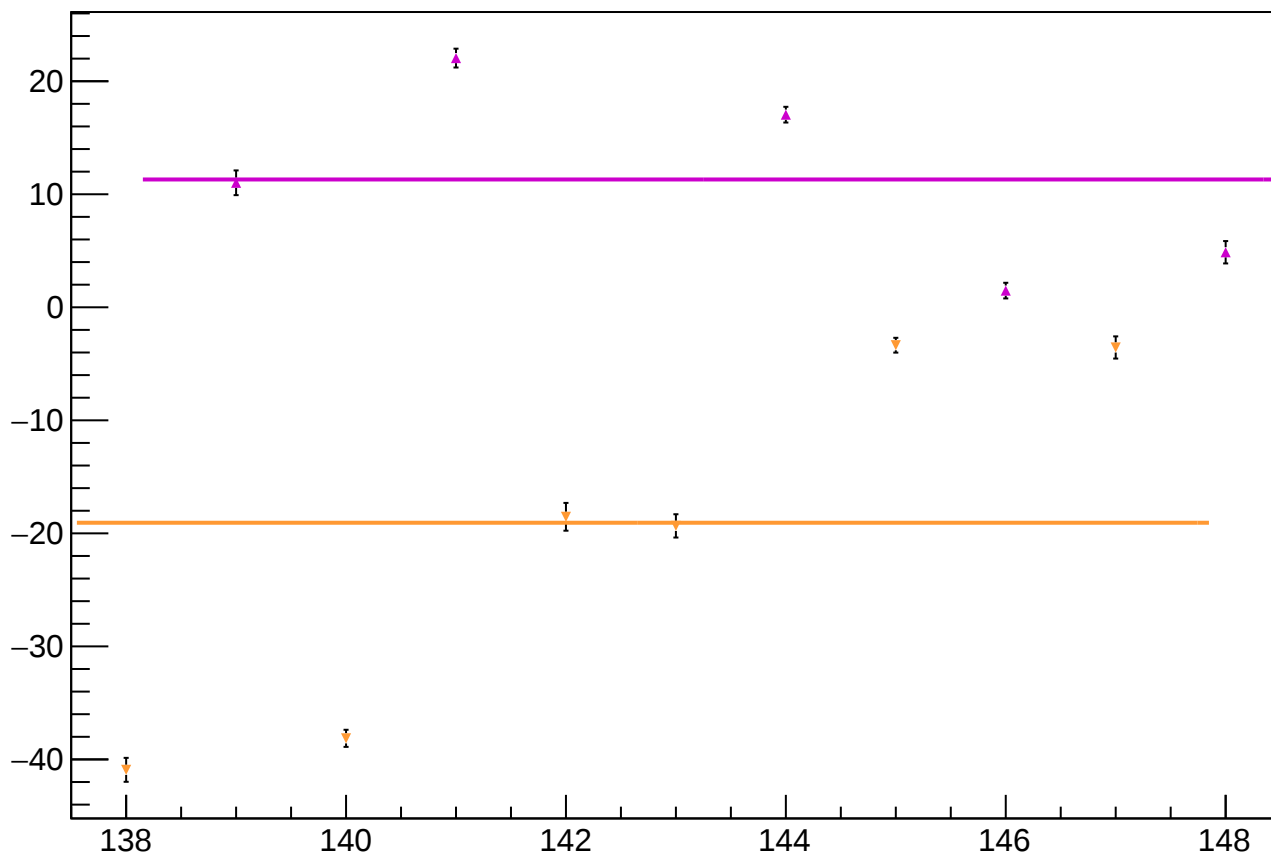
Left In: -0.044+/-0.013 χ^2/NDF : 63.1/4

0.130+/-0.013 χ^2/NDF : 212.5/5

0.045+/-0.009 χ^2/NDF : 362.4/10

-0.044+/-0.013 χ^2/NDF : 63.1/4

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -19.061+/-0.362 χ^2/NDF : 1886.6/5

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

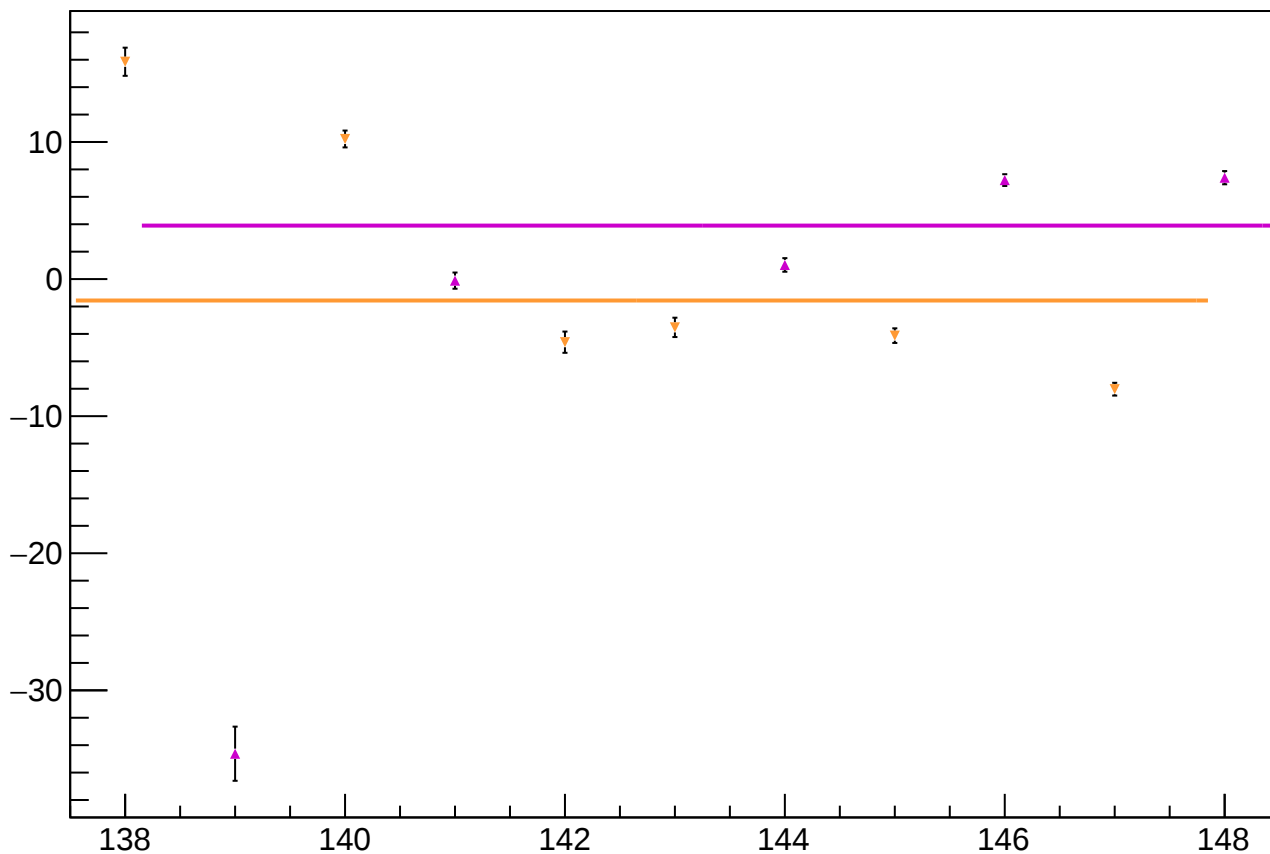
Left In: 11.308+/-0.366 χ^2/NDF : 478.3/4

-19.061+/-0.362 χ^2/NDF : 1886.6/5

-4.037+/-0.258 χ^2/NDF : 5838.4/10

11.308+/-0.366 χ^2/NDF : 478.3/4

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -1.563+/-0.255 χ^2/NDF : 893.6/5

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

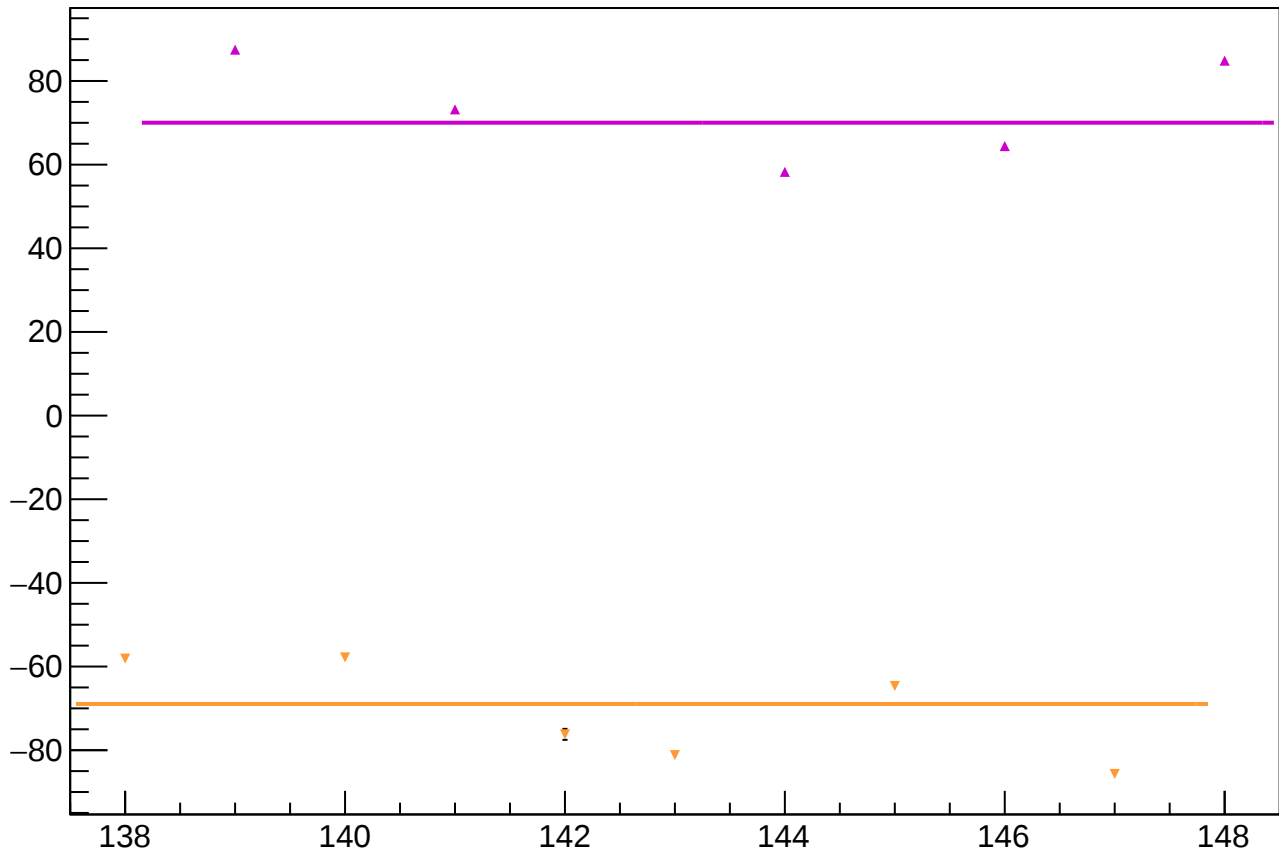
Left In: 3.901+/-0.243 χ^2/NDF : 572.2/4

-1.563+/-0.255 χ^2/NDF : 893.6/5

1.299+/-0.176 χ^2/NDF : 1706.3/10

3.901+/-0.243 χ^2/NDF : 572.2/4

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -68.943+/-0.379 χ^2/NDF : 805.8/5

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

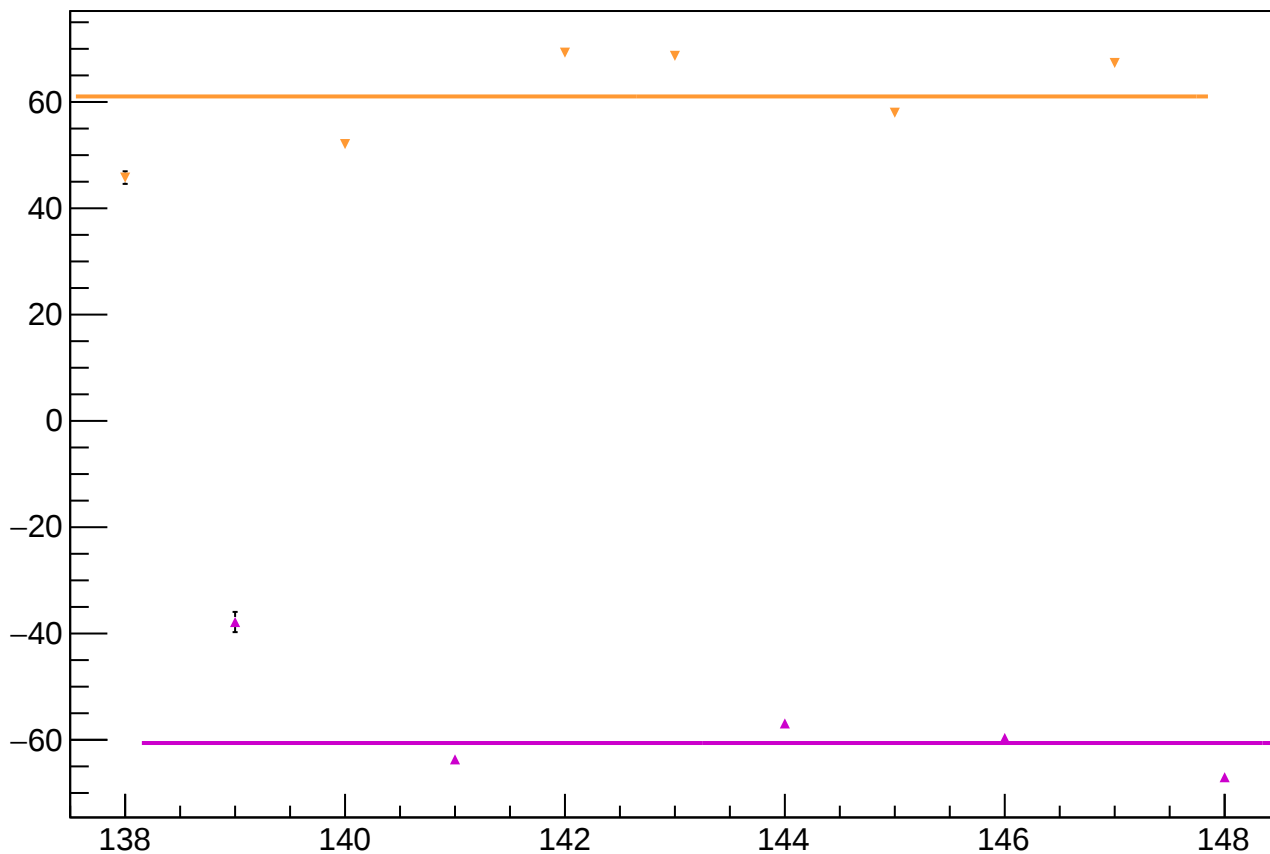
Left In: 70.028+/-0.372 χ^2/NDF : 806.4/4

-68.943+/-0.379 χ^2/NDF : 805.8/5

1.738+/-0.266 χ^2/NDF : 70083.3/10

70.028+/-0.372 χ^2/NDF : 806.4/4

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 61.041+/-0.314 χ^2/NDF : 590.0/5

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

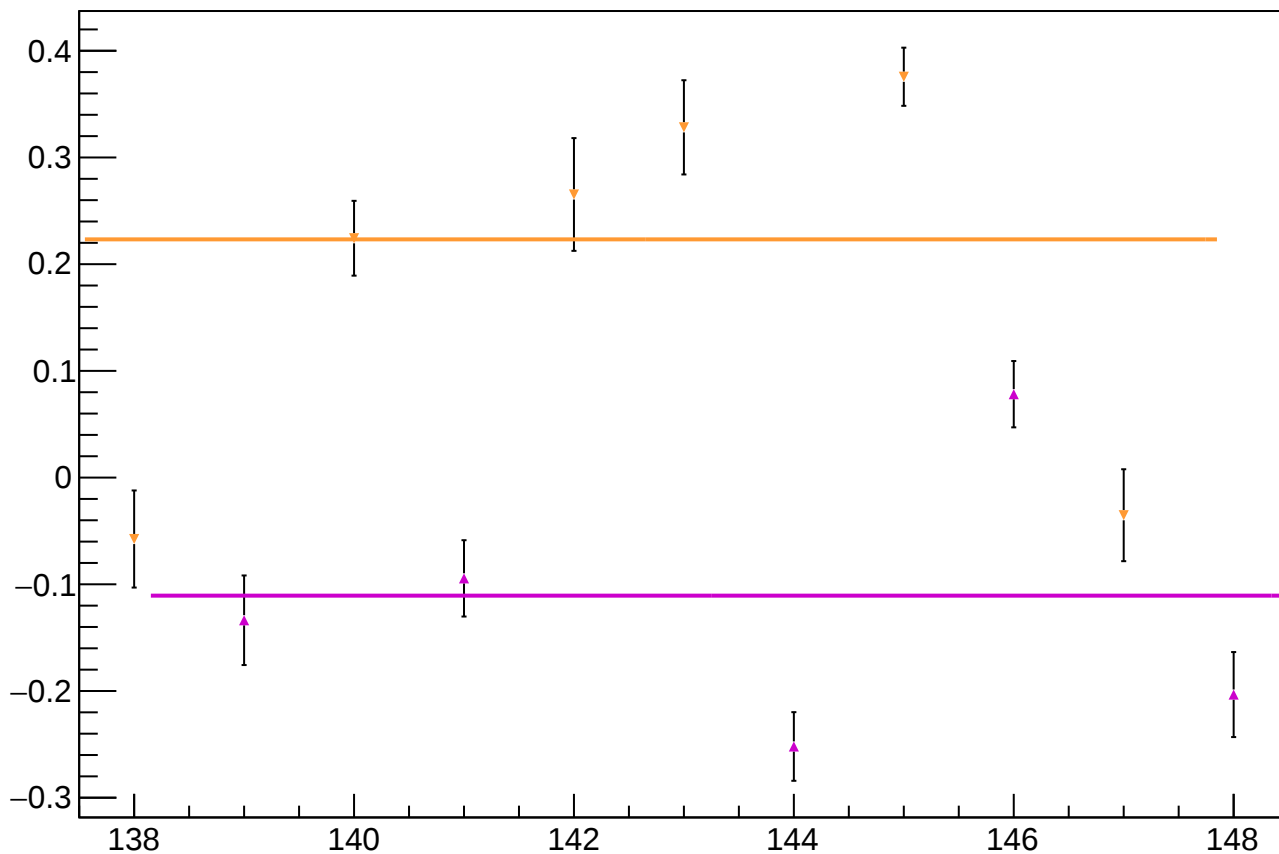
Left In: -60.600+/-0.305 χ^2/NDF : 295.4/4

61.041+/-0.314 χ^2/NDF : 590.0/5

-1.715+/-0.219 χ^2/NDF : 78066.0/10

-60.600+/-0.305 χ^2/NDF : 295.4/4

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.223 $\pm$ 0.016 χ^2 /NDF:111.7/5

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

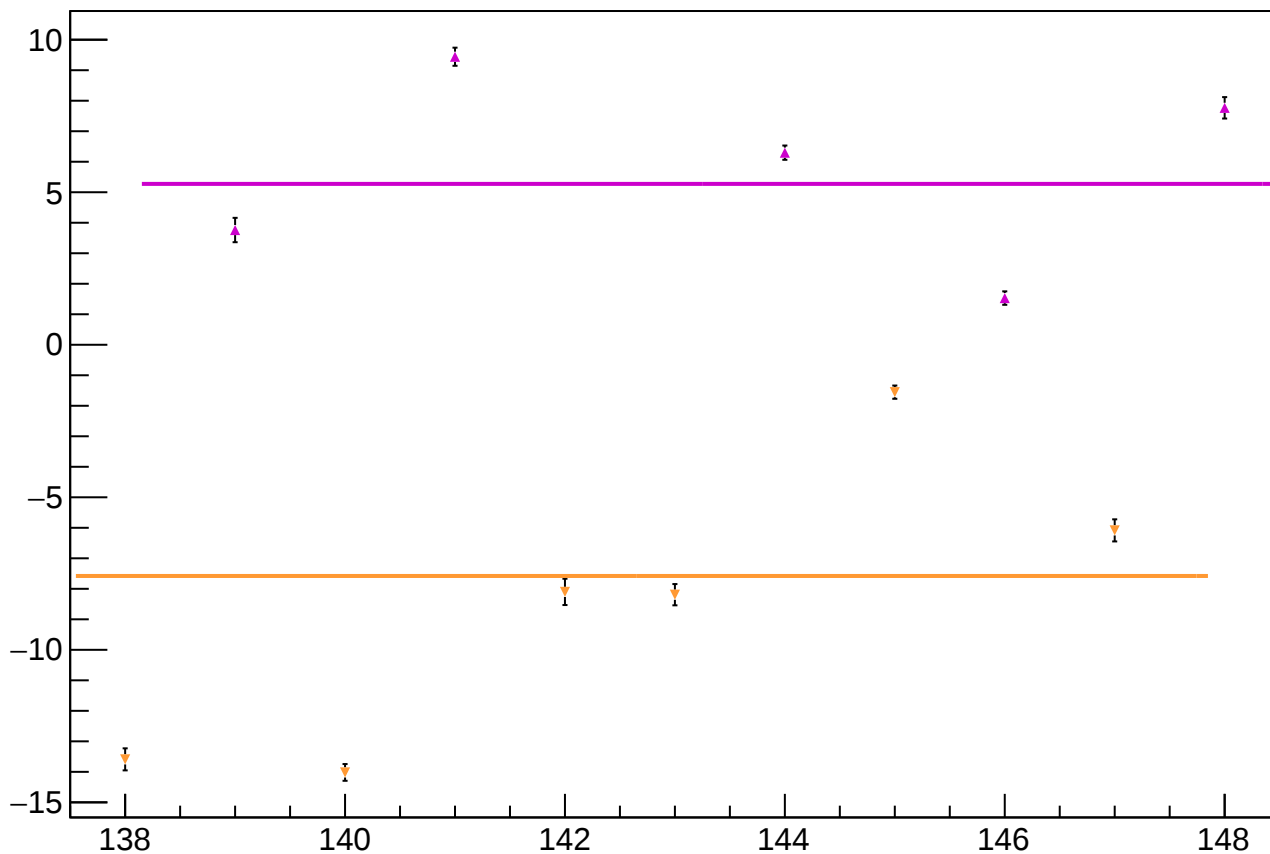
Left In: -0.111 $\pm$ 0.016 χ^2 /NDF:62.1/4

0.223 $\pm$ 0.016 χ^2 /NDF: 111.7/5

0.058 $\pm$ 0.011 χ^2 /NDF: 397.7/10

-0.111 $\pm$ 0.016 χ^2 /NDF: 62.1/4

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -7.579+/-0.126 χ^2/NDF : 1618.9/5

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

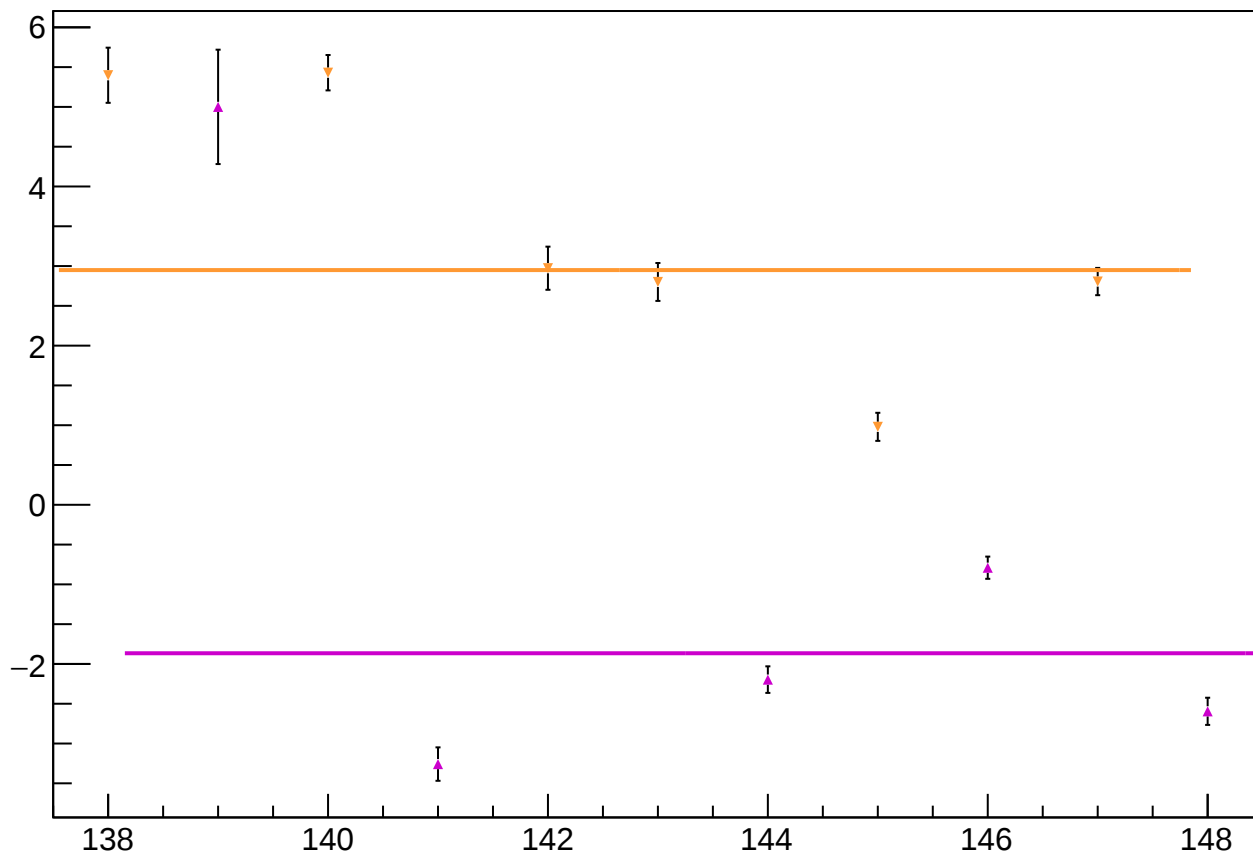
Left In: 5.274+/-0.125 χ^2/NDF : 568.2/4

-7.579+/-0.126 χ^2/NDF : 1618.9/5

-1.098+/-0.088 χ^2/NDF : 7467.3/10

5.274+/-0.125 χ^2/NDF : 568.2/4

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: 2.949+/-0.089 χ^2/NDF :300.3/5

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

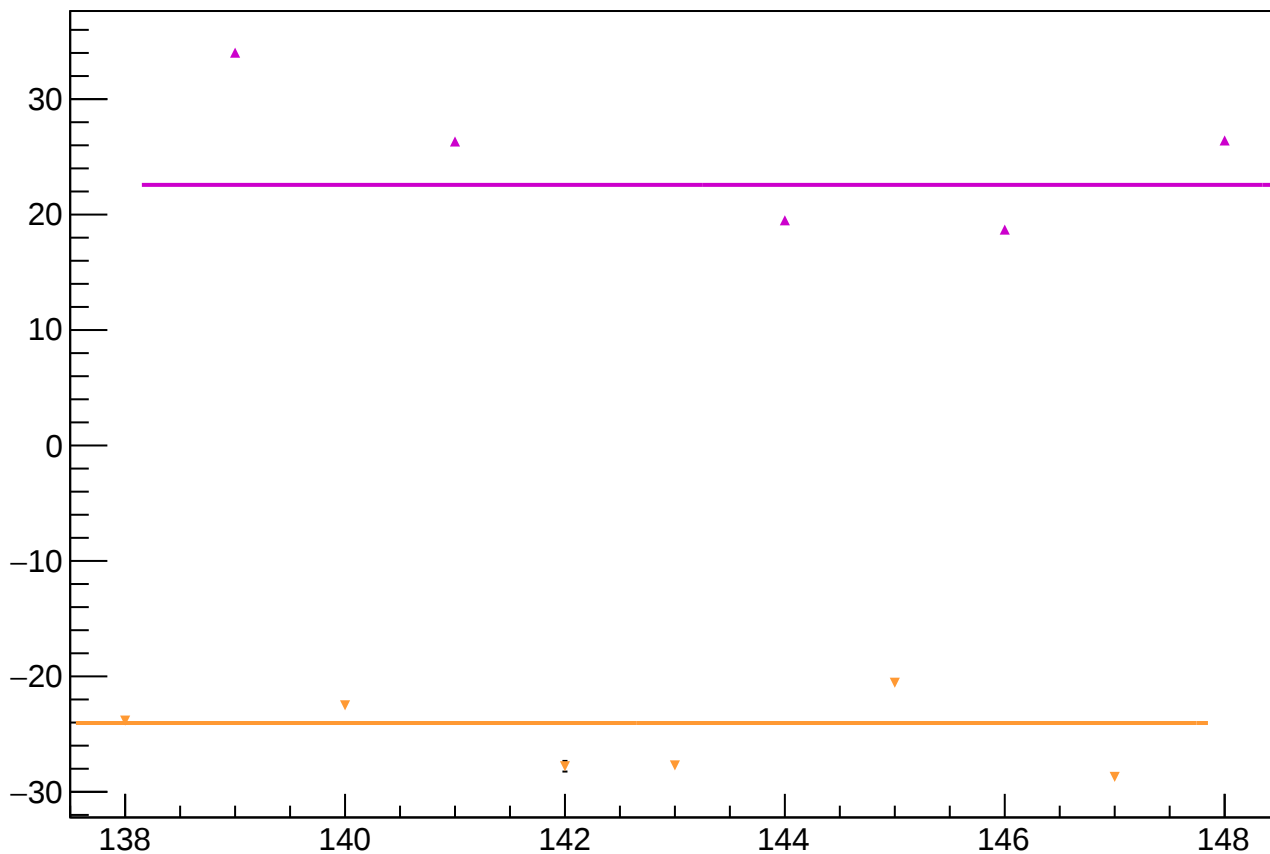
Left In: -1.866+/-0.083 χ^2/NDF :216.7/4

2.949+/-0.089 χ^2/NDF : 300.3/5

0.365+/-0.061 χ^2/NDF : 2085.6/10

-1.866+/-0.083 χ^2/NDF : 216.7/4

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -24.038+/-0.132 χ^2/NDF : 610.8/5

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

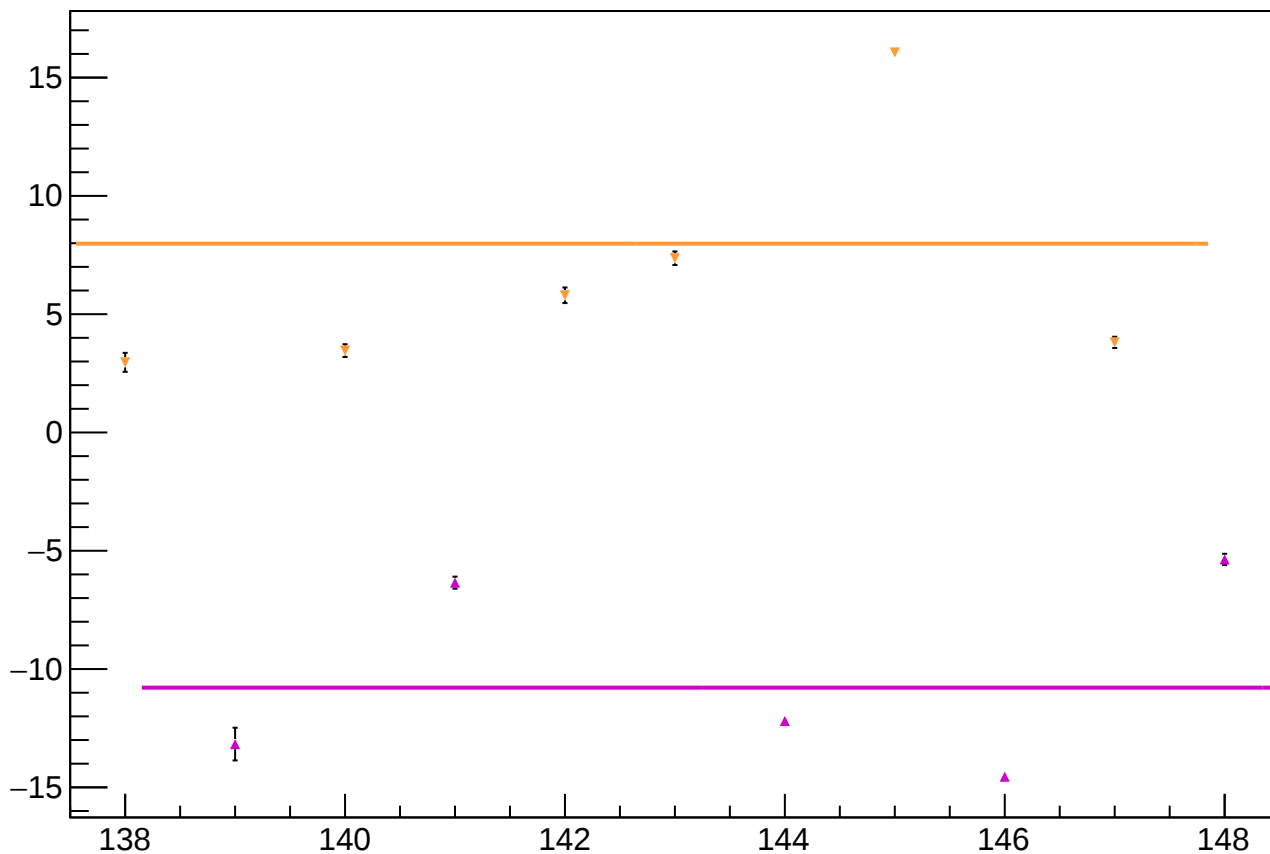
Left In: 22.573+/-0.126 χ^2/NDF : 1461.7/4

-24.038+/-0.132 χ^2/NDF : 610.8/5

0.220+/-0.091 χ^2/NDF : 67353.7/10

22.573+/-0.126 χ^2/NDF : 1461.7/4

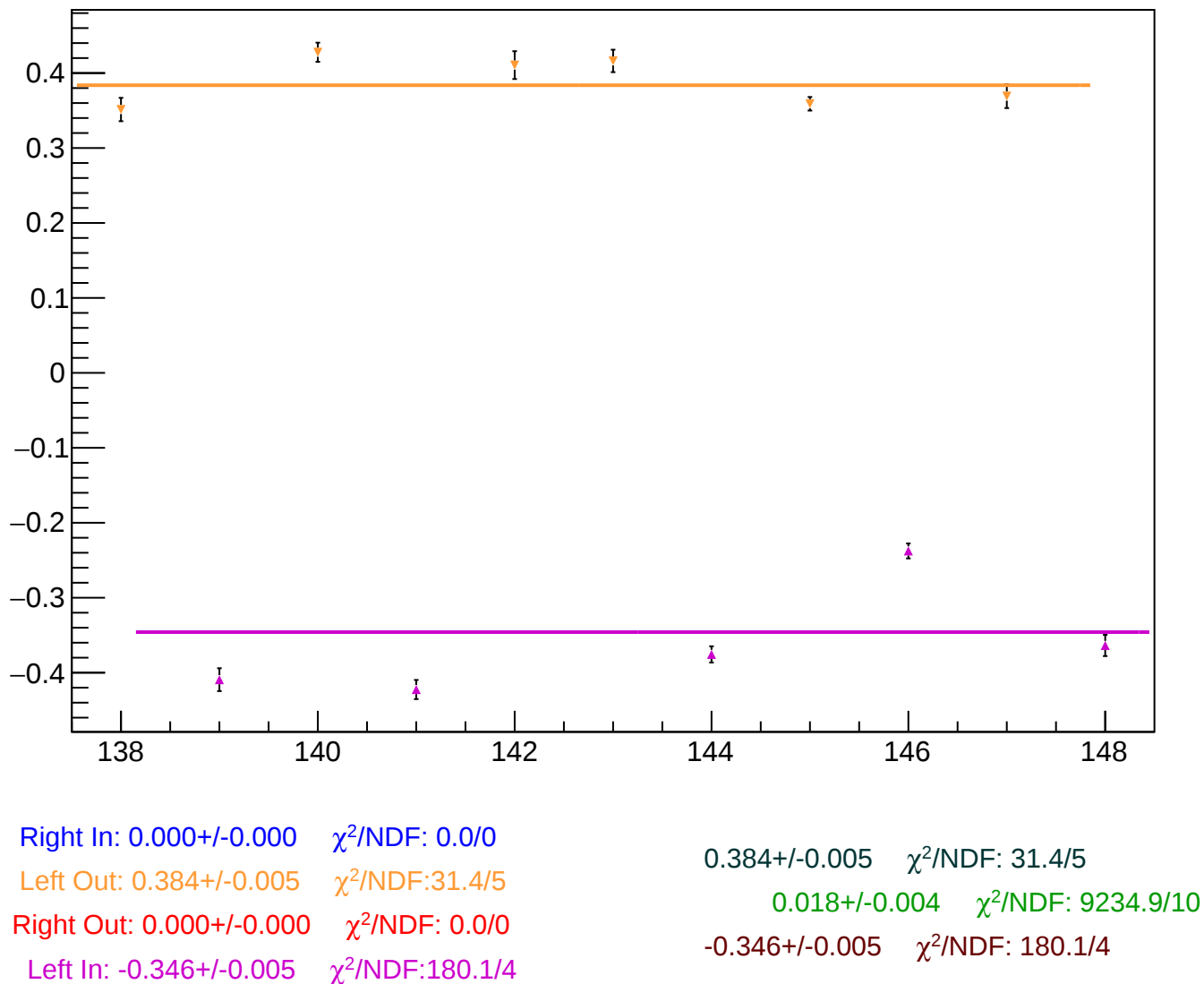
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



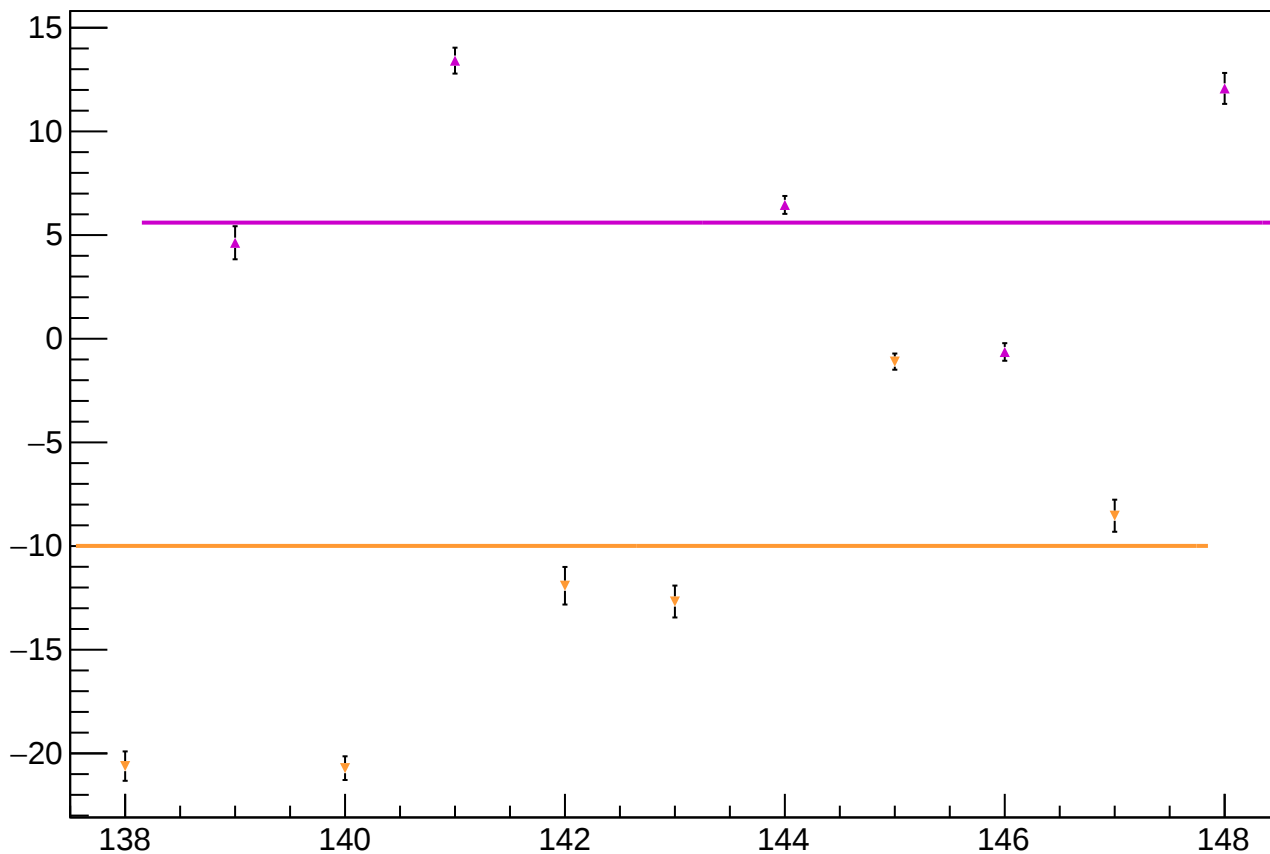
Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 7.980 ± 0.109 χ^2/NDF : 2379.4/5
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -10.786 ± 0.103 χ^2/NDF : 1345.9/4

7.980 ± 0.109 χ^2/NDF : 2379.4/5
 -1.928 ± 0.075 χ^2/NDF : 19245.5/10
 -10.786 ± 0.103 χ^2/NDF : 1345.9/4

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.992+/-0.248 χ^2/NDF : 1116.0/5

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

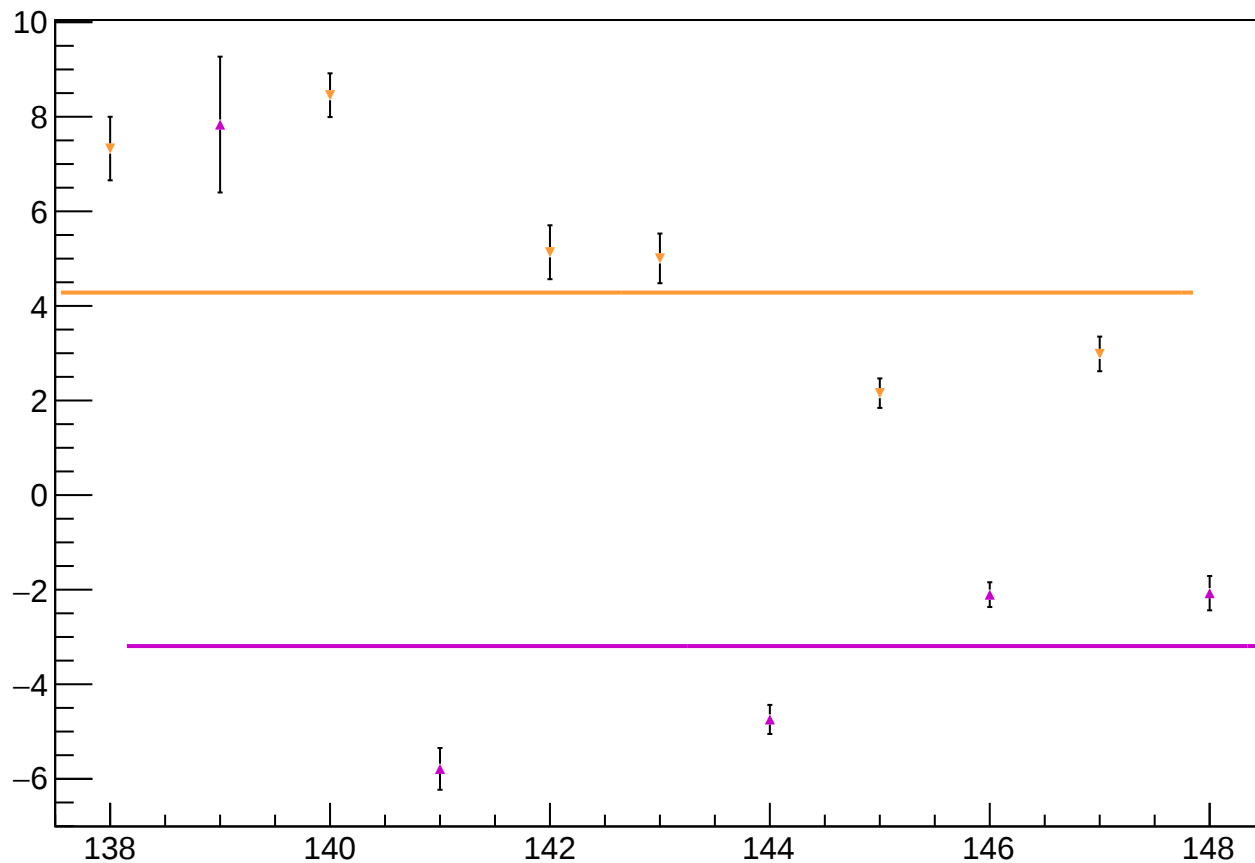
Left In: 5.601+/-0.244 χ^2/NDF : 453.1/4

-9.992+/-0.248 χ^2/NDF : 1116.0/5

-2.045+/-0.174 χ^2/NDF : 3577.1/10

5.601+/-0.244 χ^2/NDF : 453.1/4

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: 4.282+/-0.179 χ^2/NDF : 165.2/5

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

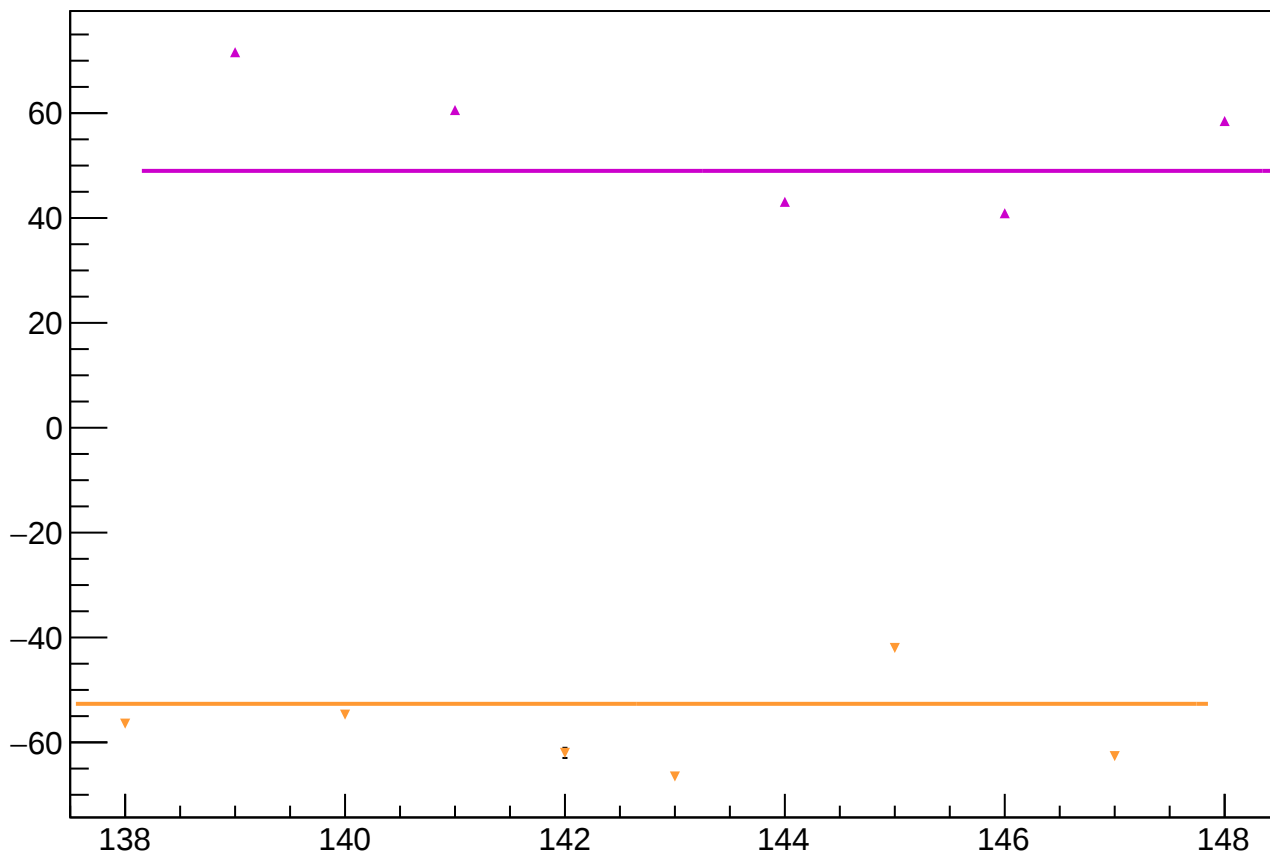
Left In: -3.192+/-0.162 χ^2/NDF : 145.7/4

4.282+/-0.179 χ^2/NDF : 165.2/5

0.169+/-0.120 χ^2/NDF : 1273.7/10

-3.192+/-0.162 χ^2/NDF : 145.7/4

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -52.652+/-0.261 χ^2/NDF :1260.6/5

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

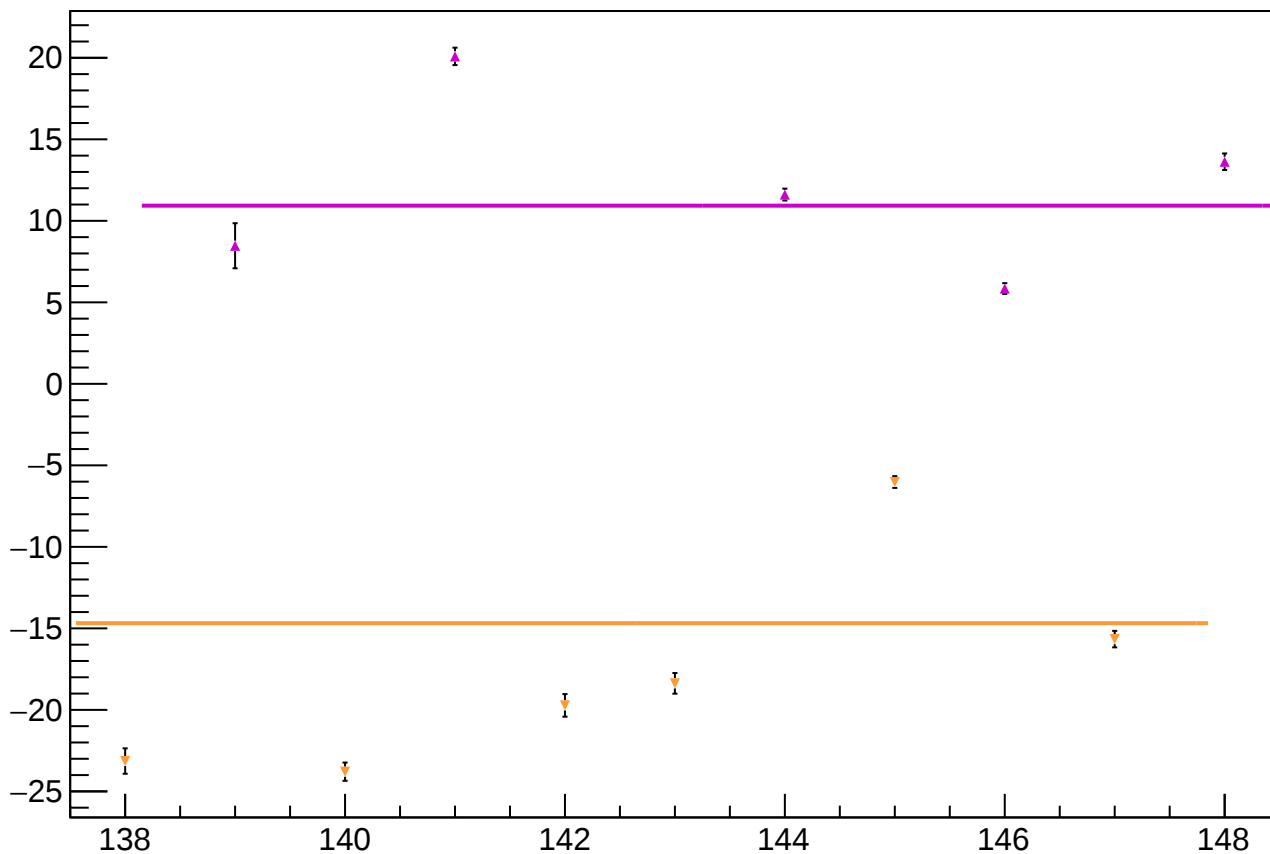
Left In: 48.988+/-0.247 χ^2/NDF :1731.4/4

-52.652+/-0.261 χ^2/NDF : 1260.6/5

0.934+/-0.180 χ^2/NDF : 82730.8/10

48.988+/-0.247 χ^2/NDF : 1731.4/4

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -14.681+/-0.218 χ^2/NDF : 1048.6/5

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

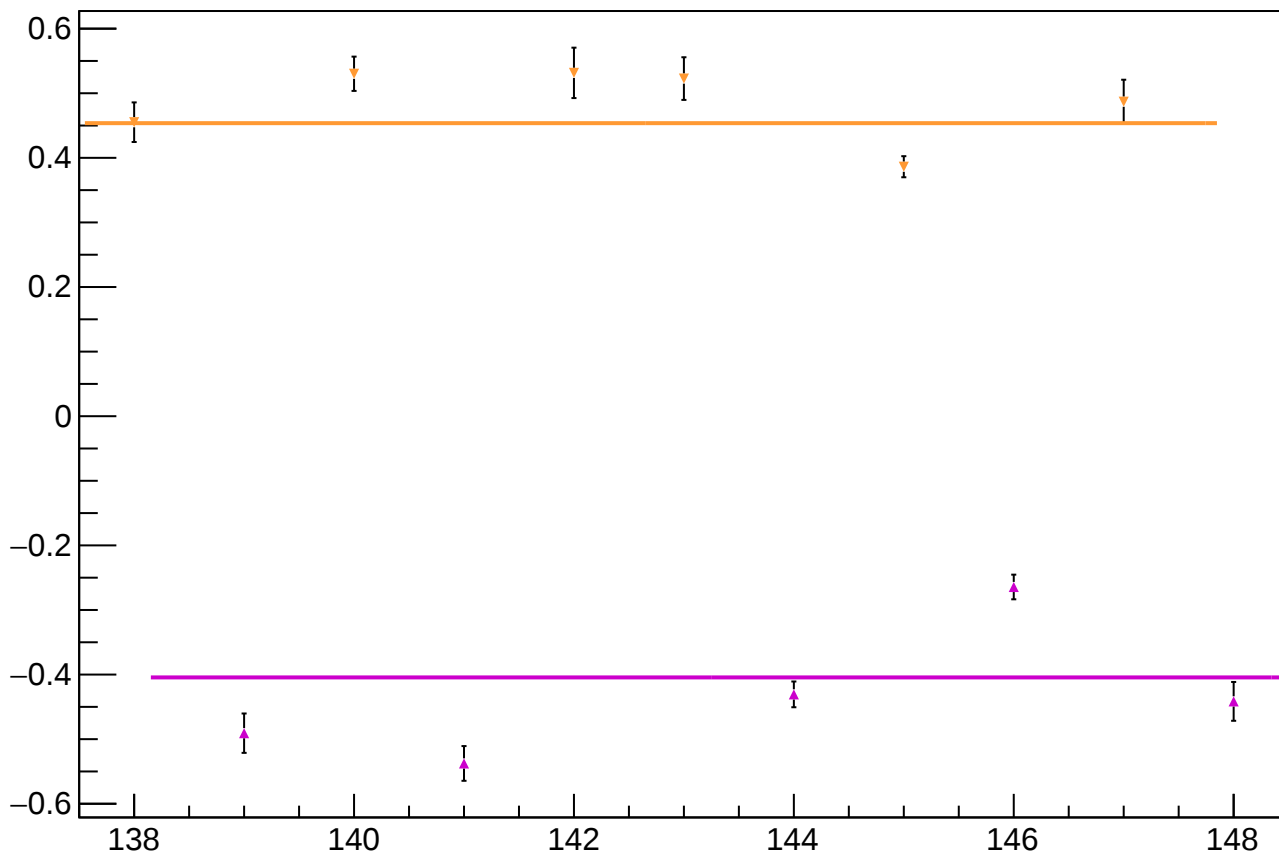
Left In: 10.931+/-0.202 χ^2/NDF : 564.7/4

-14.681+/-0.218 χ^2/NDF : 1048.6/5

-0.884+/-0.148 χ^2/NDF : 9033.5/10

10.931+/-0.202 χ^2/NDF : 564.7/4

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.454+/-0.011 χ^2/NDF : 34.7/5

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

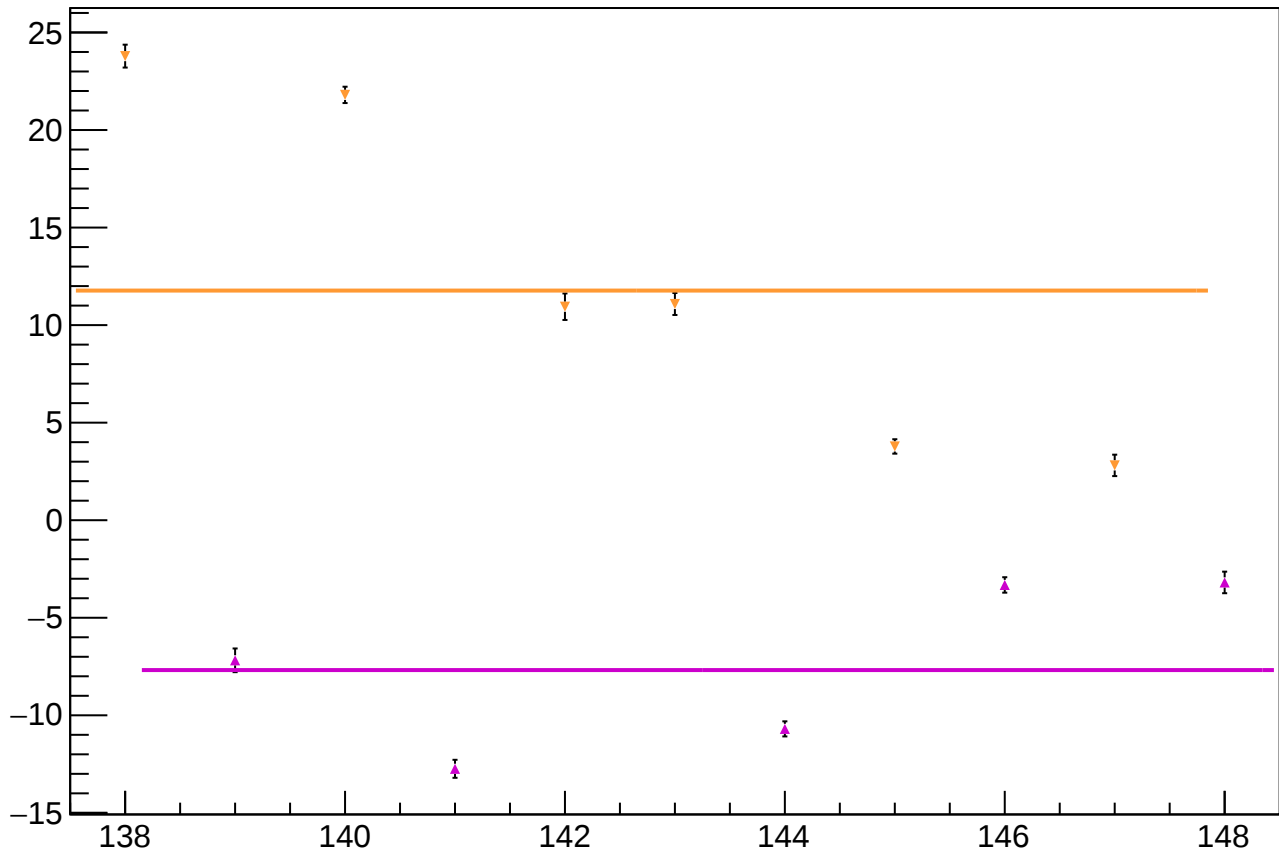
Left In: -0.404+/-0.011 χ^2/NDF : 89.6/4

0.454+/-0.011 χ^2/NDF : 34.7/5

0.021+/-0.008 χ^2/NDF : 3347.3/10

-0.404+/-0.011 χ^2/NDF : 89.6/4

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 11.771+/-0.202 χ^2/NDF : 1731.6/5

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

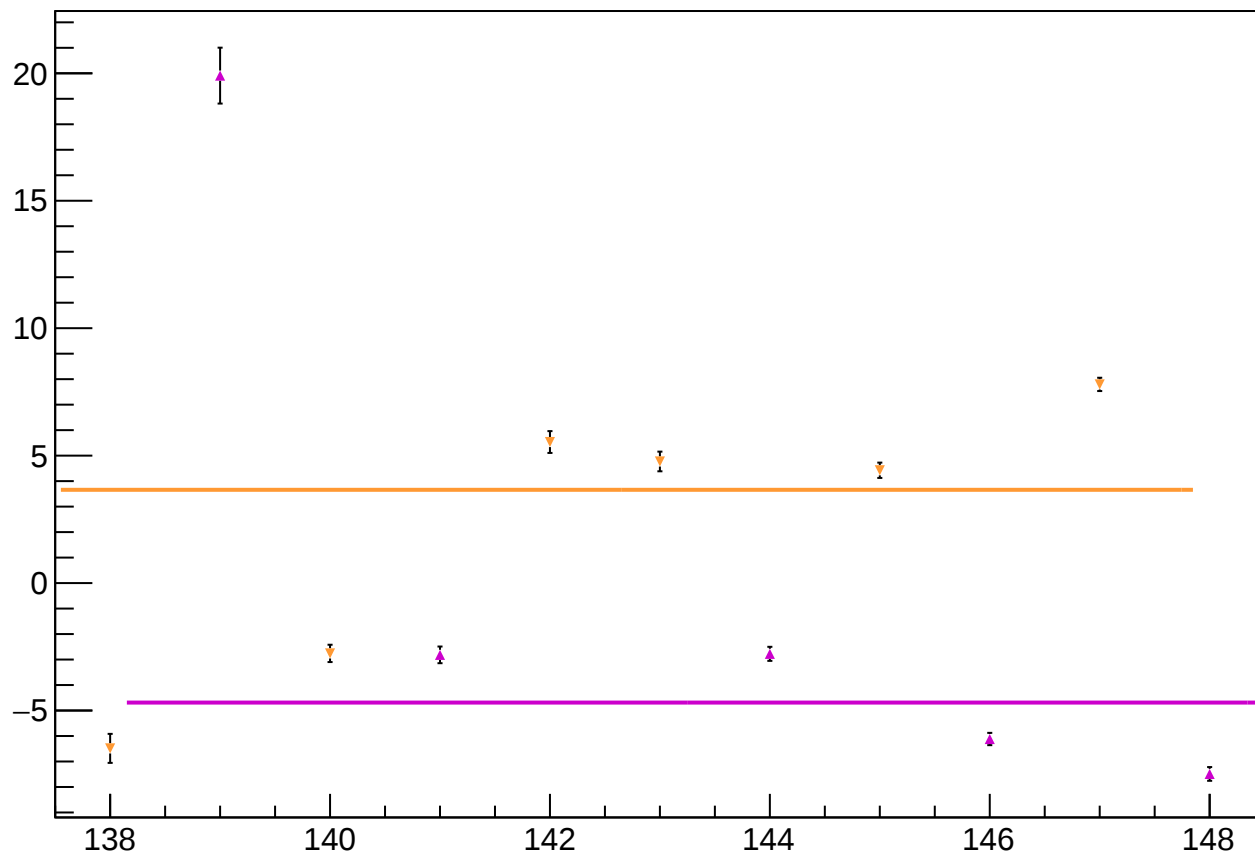
Left In: -7.682+/-0.205 χ^2/NDF : 369.5/4

11.771+/-0.202 χ^2/NDF : 1731.6/5

2.212+/-0.144 χ^2/NDF : 6673.1/10

-7.682+/-0.205 χ^2/NDF : 369.5/4

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: 3.659+/-0.142 χ^2/NDF : 960.4/5

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

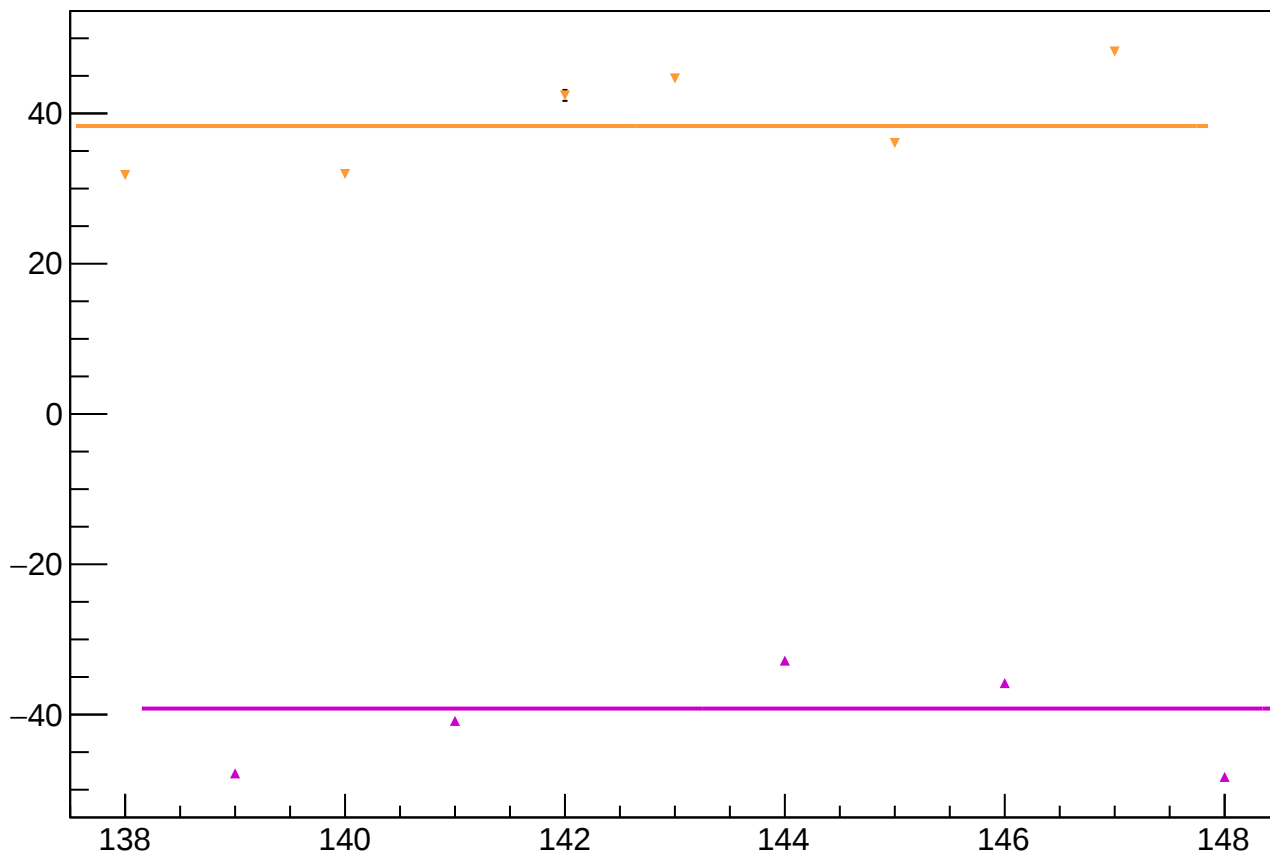
Left In: -4.688+/-0.136 χ^2/NDF : 727.1/4

3.659+/-0.142 χ^2/NDF : 960.4/5

-0.698+/-0.098 χ^2/NDF : 3495.5/10

-4.688+/-0.136 χ^2/NDF : 727.1/4

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 38.323+/-0.211 χ^2/NDF : 861.0/5

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

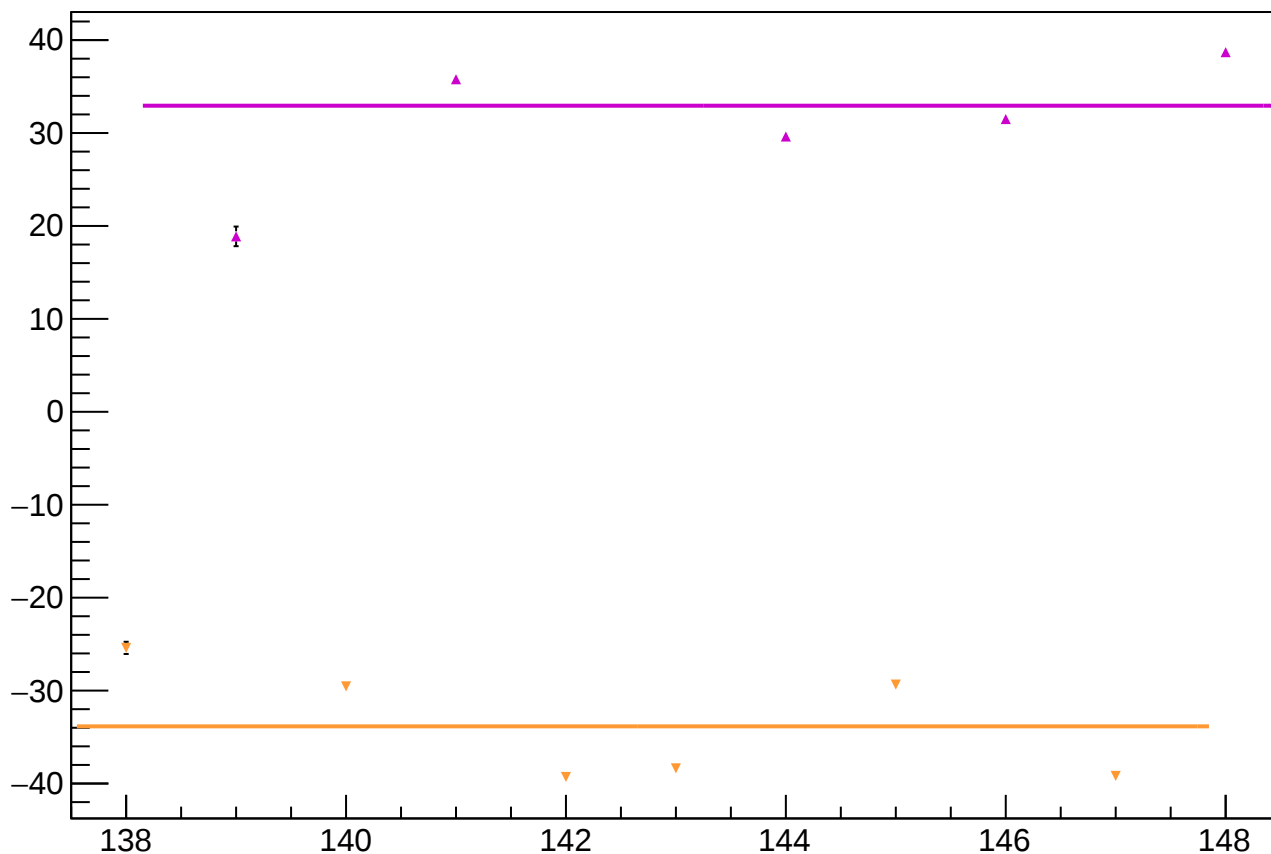
Left In: -39.201+/-0.209 χ^2/NDF : 808.8/4

38.323+/-0.211 χ^2/NDF : 861.0/5

-0.834+/-0.148 χ^2/NDF : 69959.9/10

-39.201+/-0.209 χ^2/NDF : 808.8/4

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -33.848+/-0.175 χ^2/NDF : 868.7/5

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

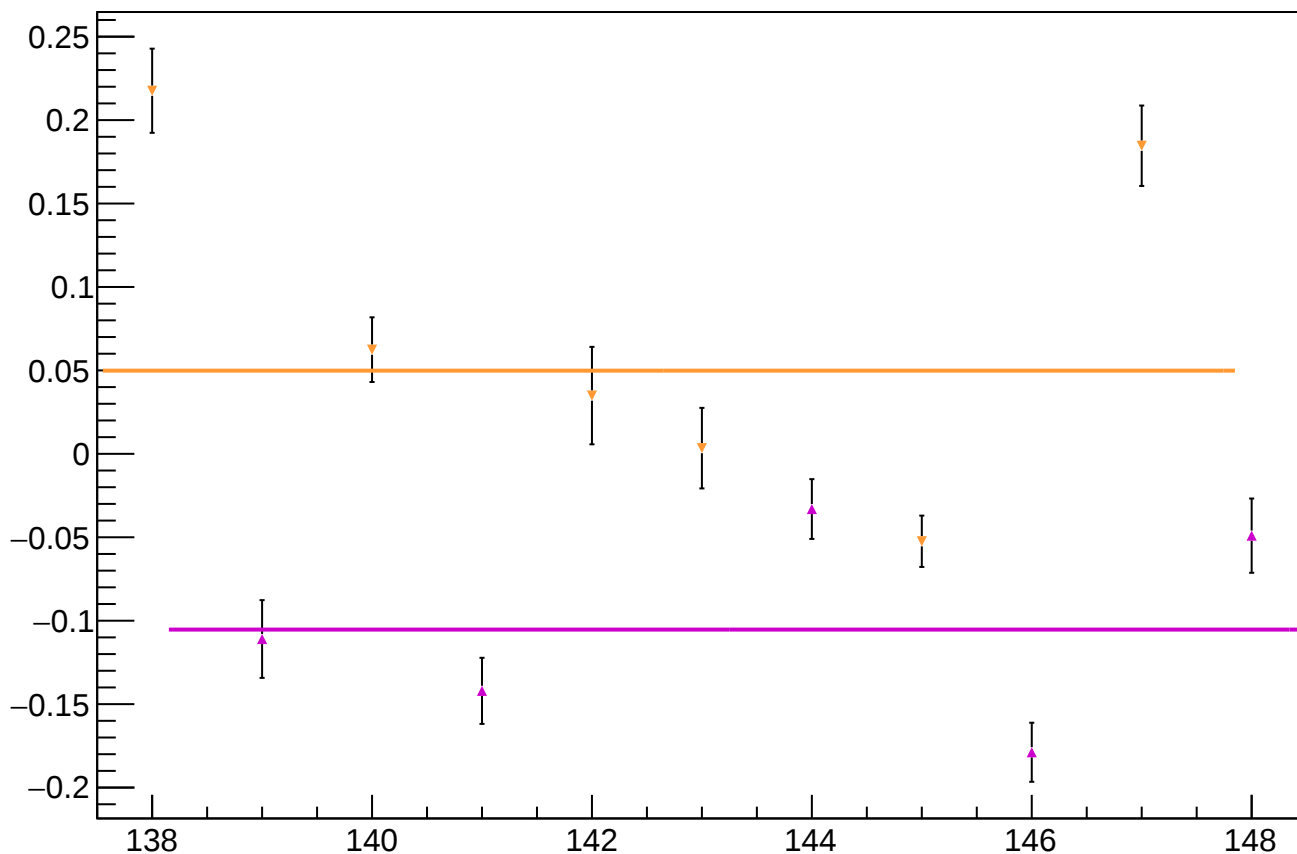
Left In: 32.940+/-0.170 χ^2/NDF : 588.6/4

-33.848+/-0.175 χ^2/NDF : 868.7/5

0.437+/-0.122 χ^2/NDF : 76294.3/10

32.940+/-0.170 χ^2/NDF : 588.6/4

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.050 $\pm$ 0.009 χ^2 /NDF:124.1/5

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

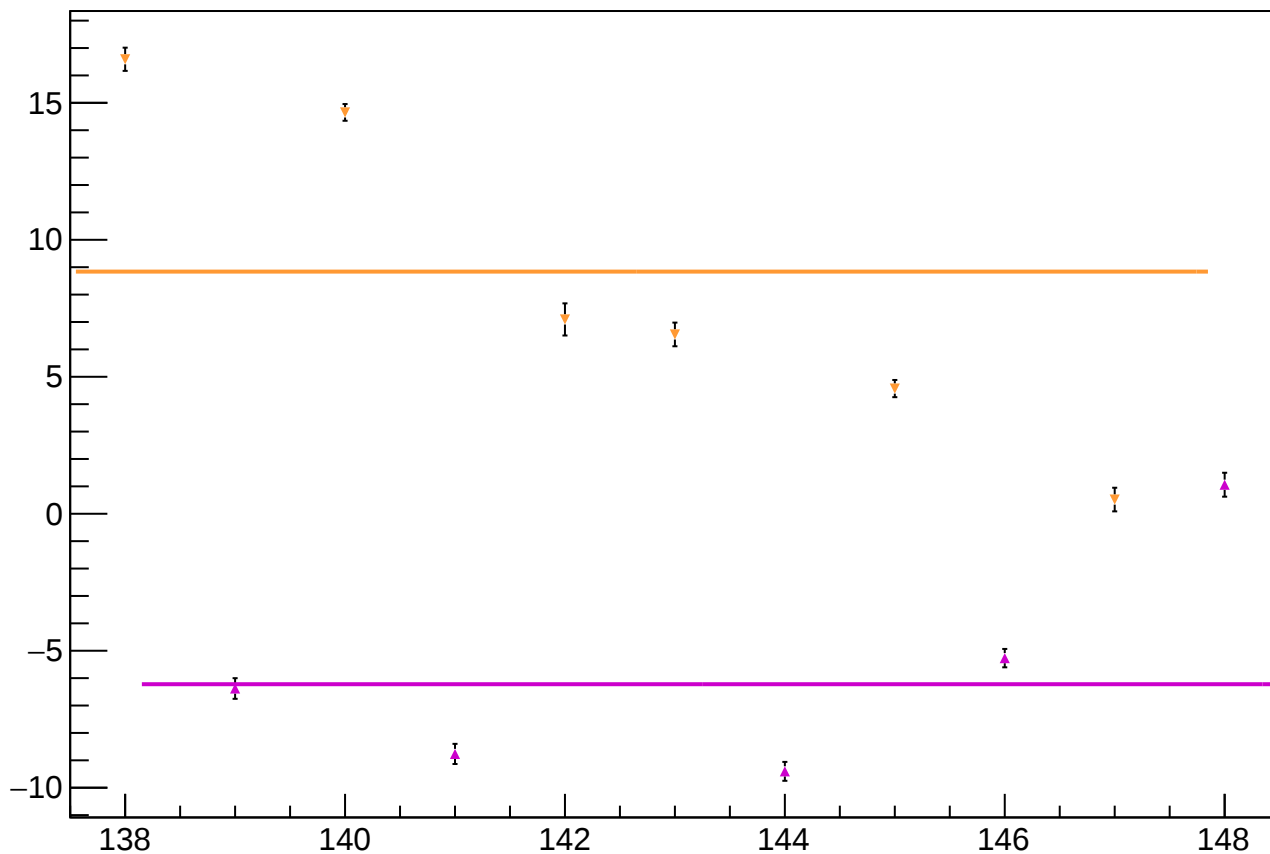
Left In: -0.105 $\pm$ 0.009 χ^2 /NDF:43.4/4

0.050 $\pm$ 0.009 χ^2 /NDF: 124.1/5

-0.027 $\pm$ 0.006 χ^2 /NDF: 322.8/10

-0.105 $\pm$ 0.009 χ^2 /NDF: 43.4/4

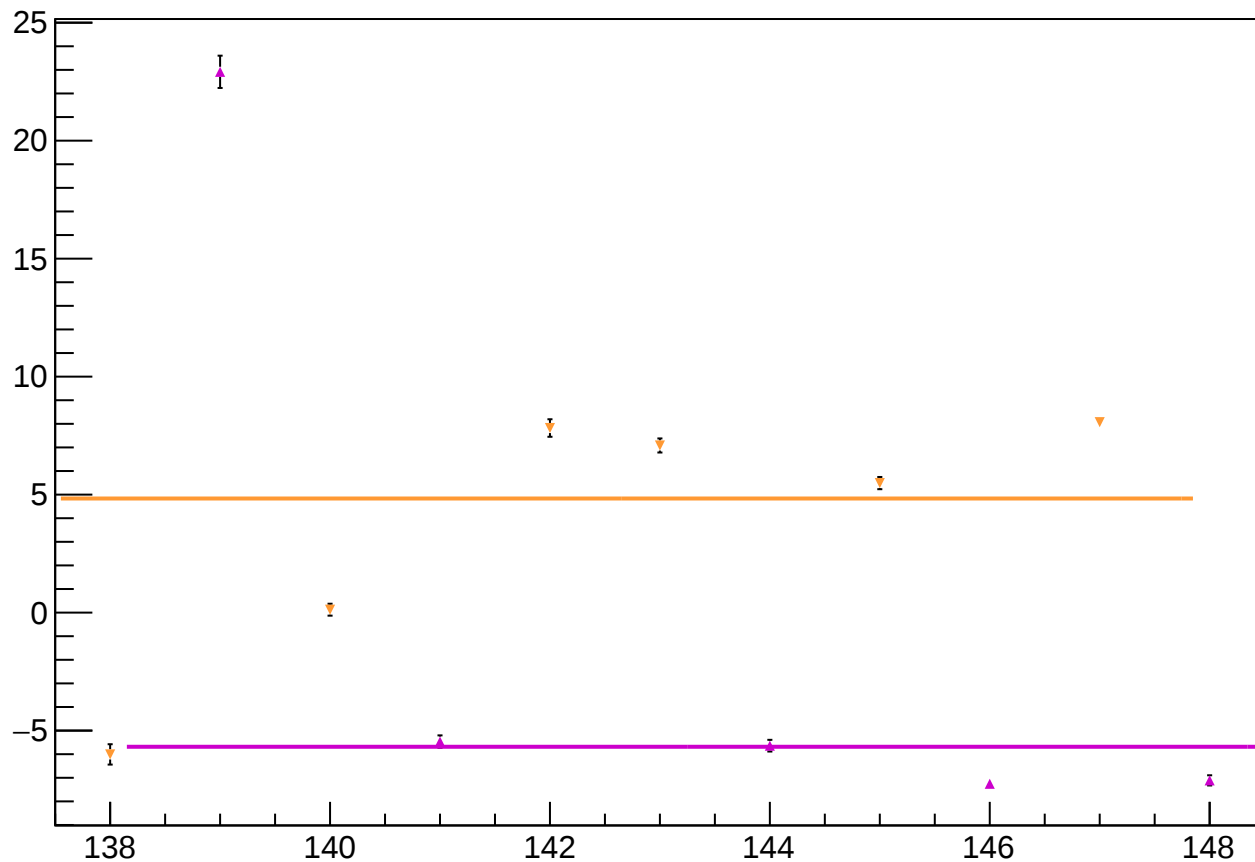
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.840+/-0.158 χ^2/NDF :1291.7/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.222+/-0.164 χ^2/NDF :419.3/4

8.840+/-0.158 χ^2/NDF : 1291.7/5
 1.615+/-0.114 χ^2/NDF : 6075.0/10
 -6.222+/-0.164 χ^2/NDF : 419.3/4

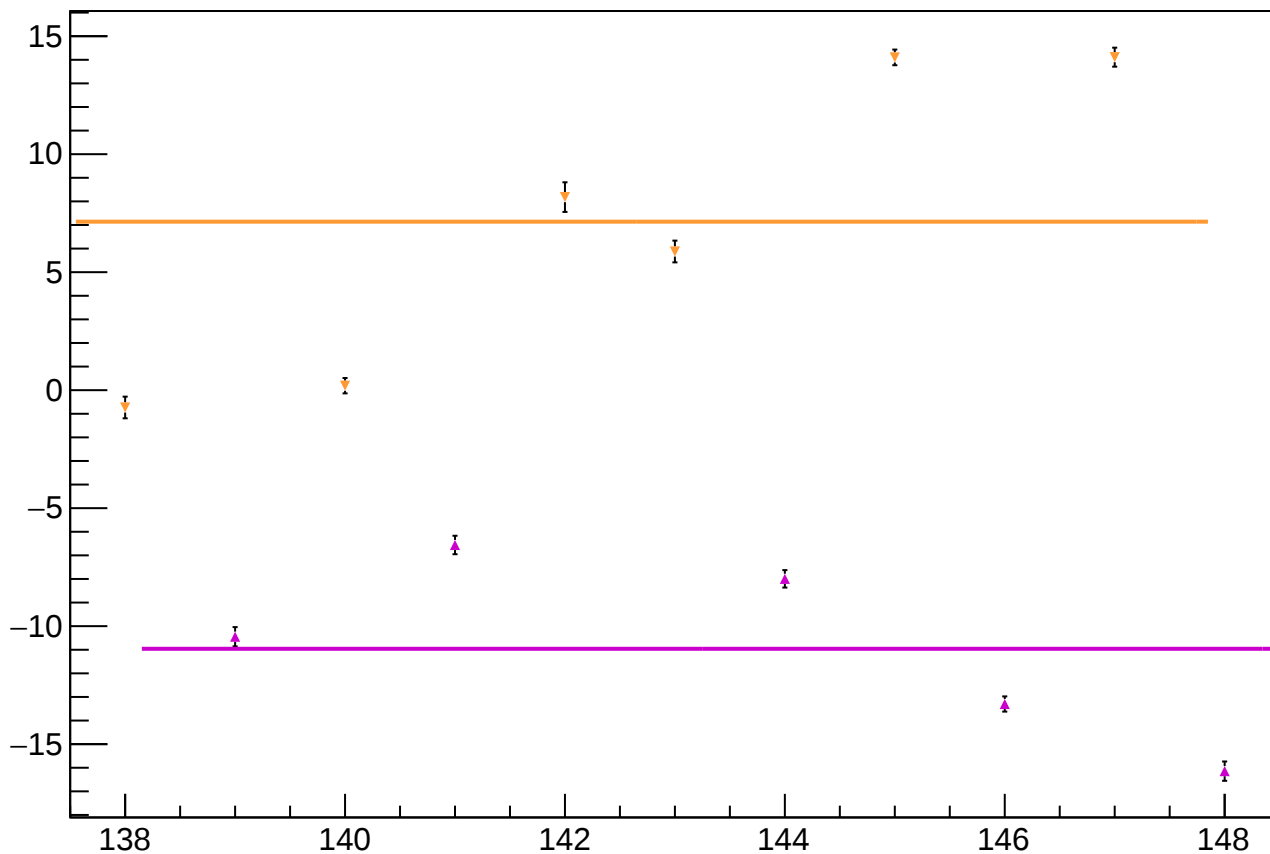
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 4.835 ± 0.113 χ^2/NDF : 1350.6/5
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -5.685 ± 0.114 χ^2/NDF : 1845.1/4

4.835 ± 0.113 χ^2/NDF : 1350.6/5
 -0.377 ± 0.081 χ^2/NDF : 7458.3/10
 -5.685 ± 0.114 χ^2/NDF : 1845.1/4

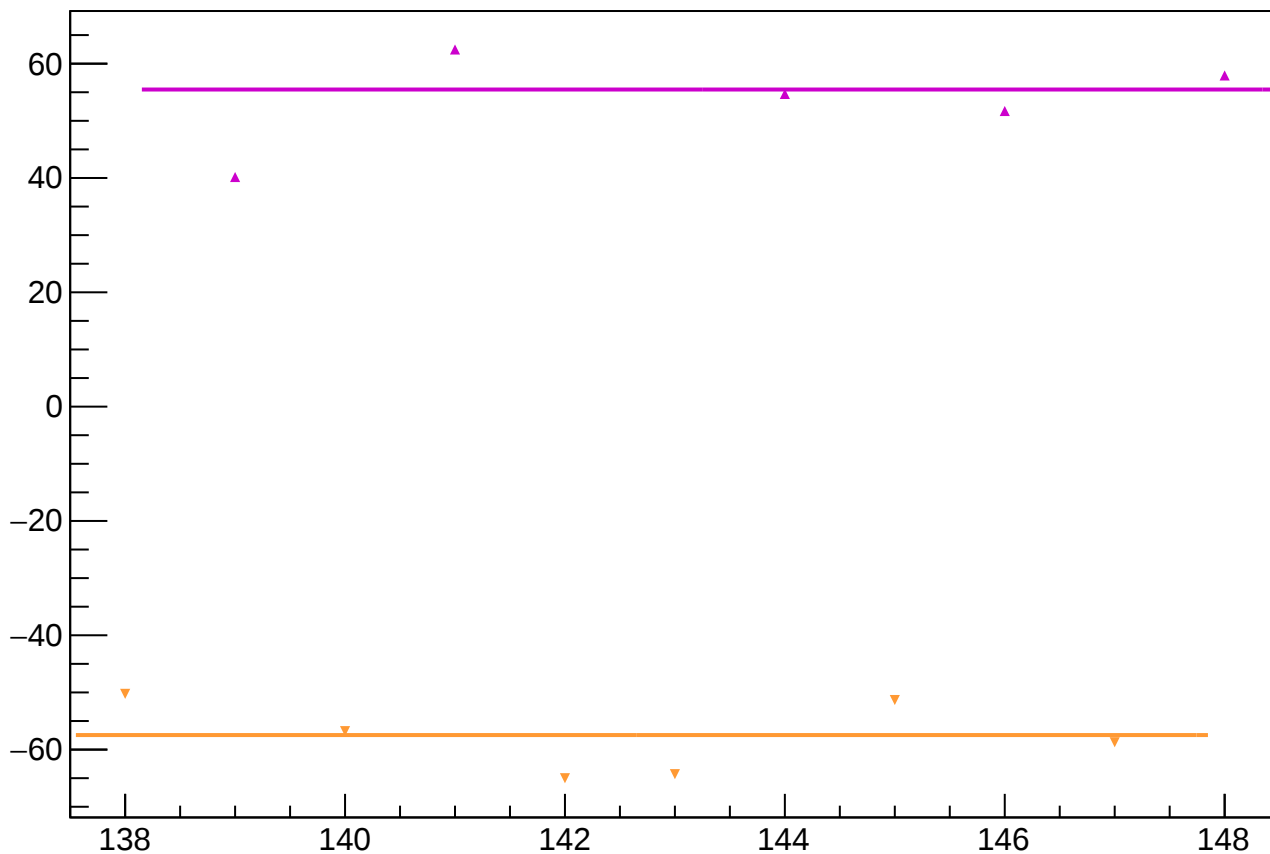
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.140 $\pm$ 0.165 χ^2 /NDF:1501.0/5
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -10.959 $\pm$ 0.168 χ^2 /NDF:405.6/4

7.140 $\pm$ 0.165 χ^2 /NDF: 1501.0/5
 -1.759 $\pm$ 0.118 χ^2 /NDF: 7816.3/10
 -10.959 $\pm$ 0.168 χ^2 /NDF: 405.6/4

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -57.457+/-0.139 χ^2/NDF :1313.0/5

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

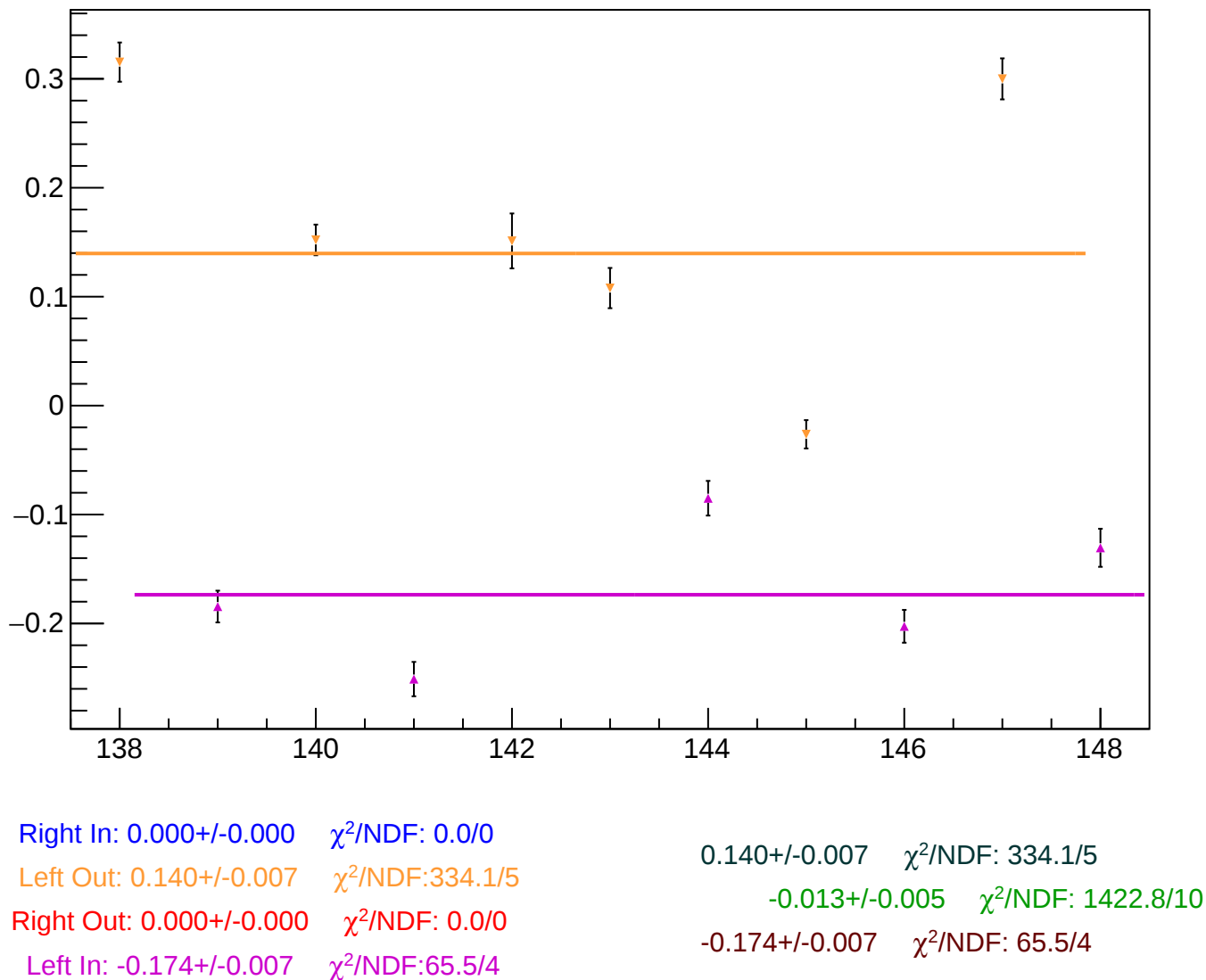
Left In: 55.477+/-0.142 χ^2/NDF :1306.3/4

-57.457+/-0.139 χ^2/NDF : 1313.0/5

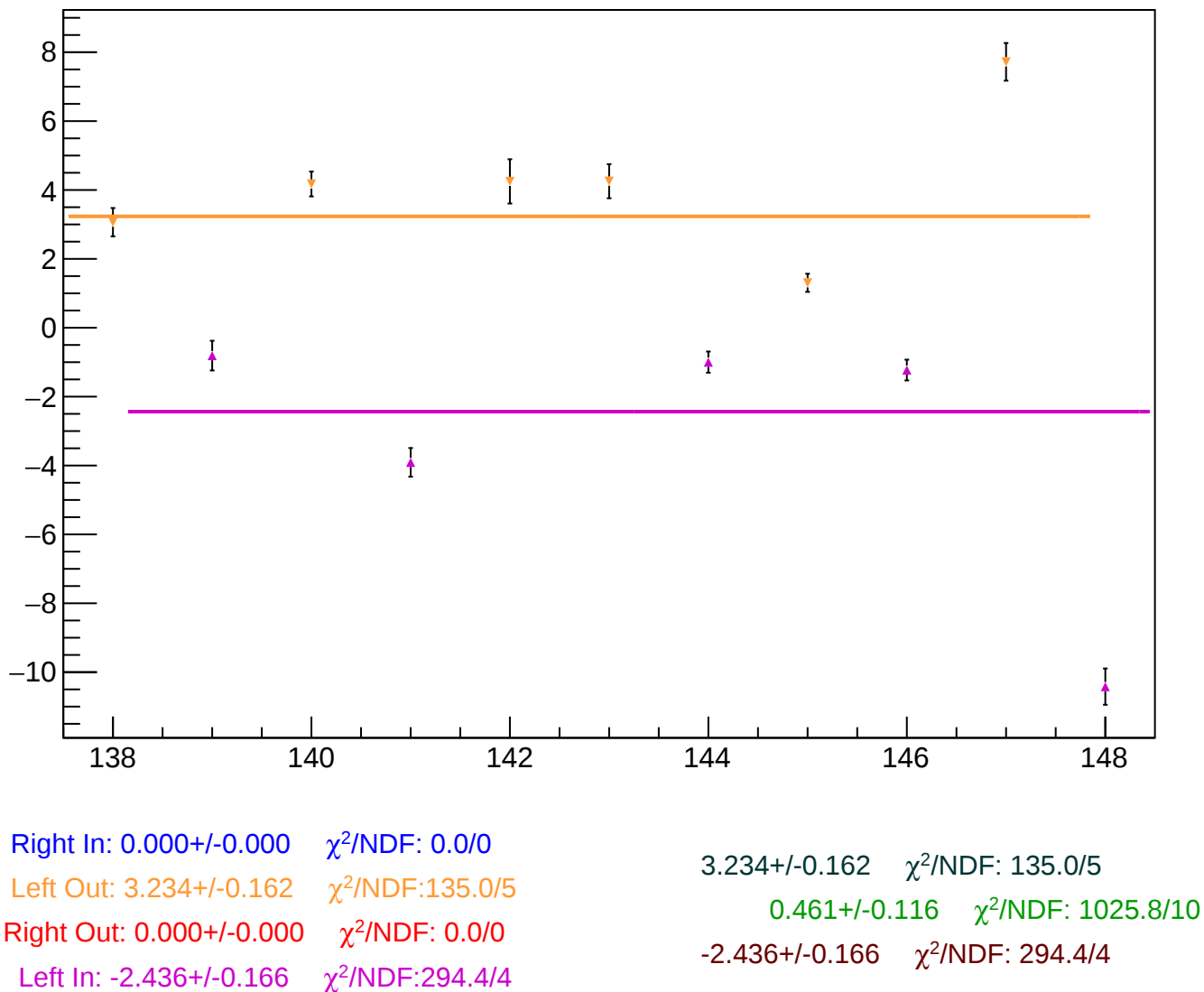
-2.119+/-0.100 χ^2/NDF : 324142.4/10

55.477+/-0.142 χ^2/NDF : 1306.3/4

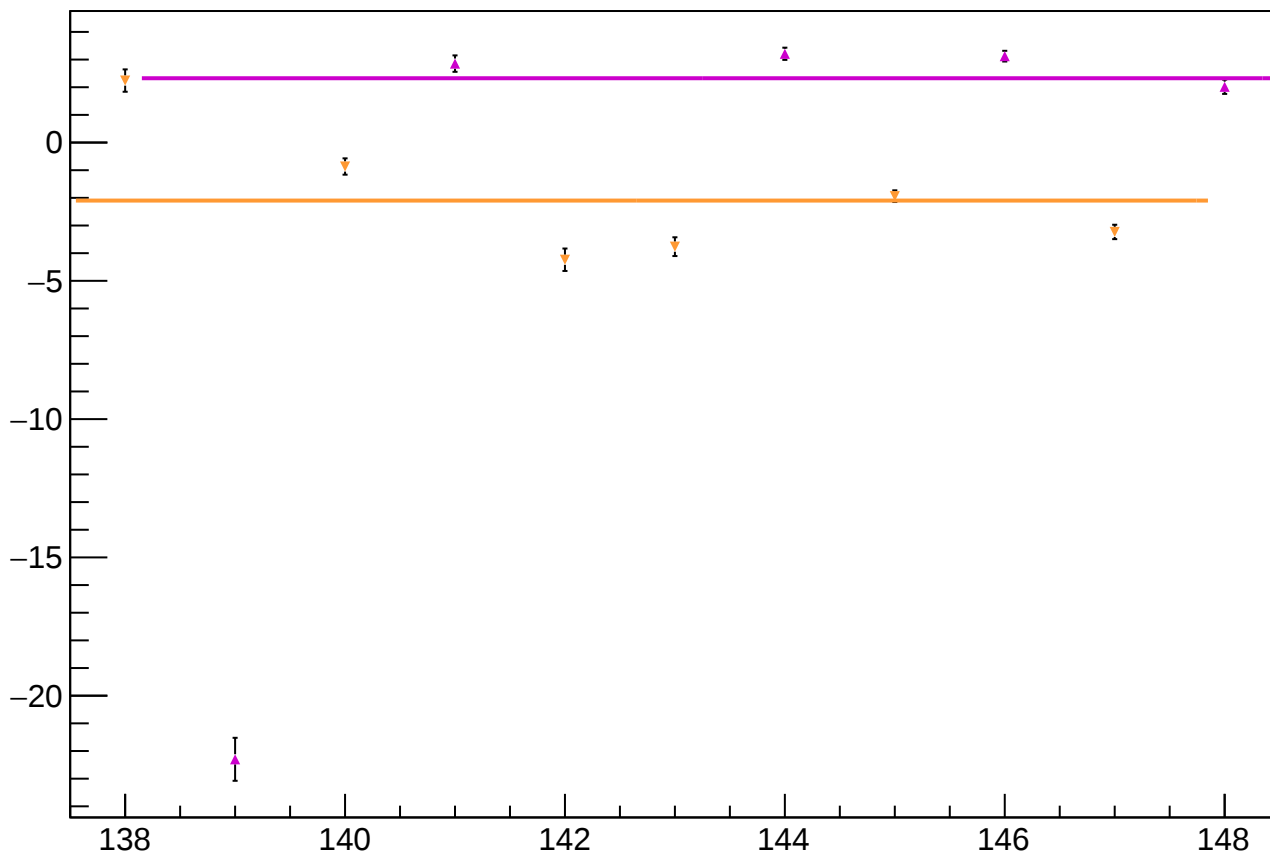
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.098+/-0.120 χ^2/NDF : 204.2/5

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

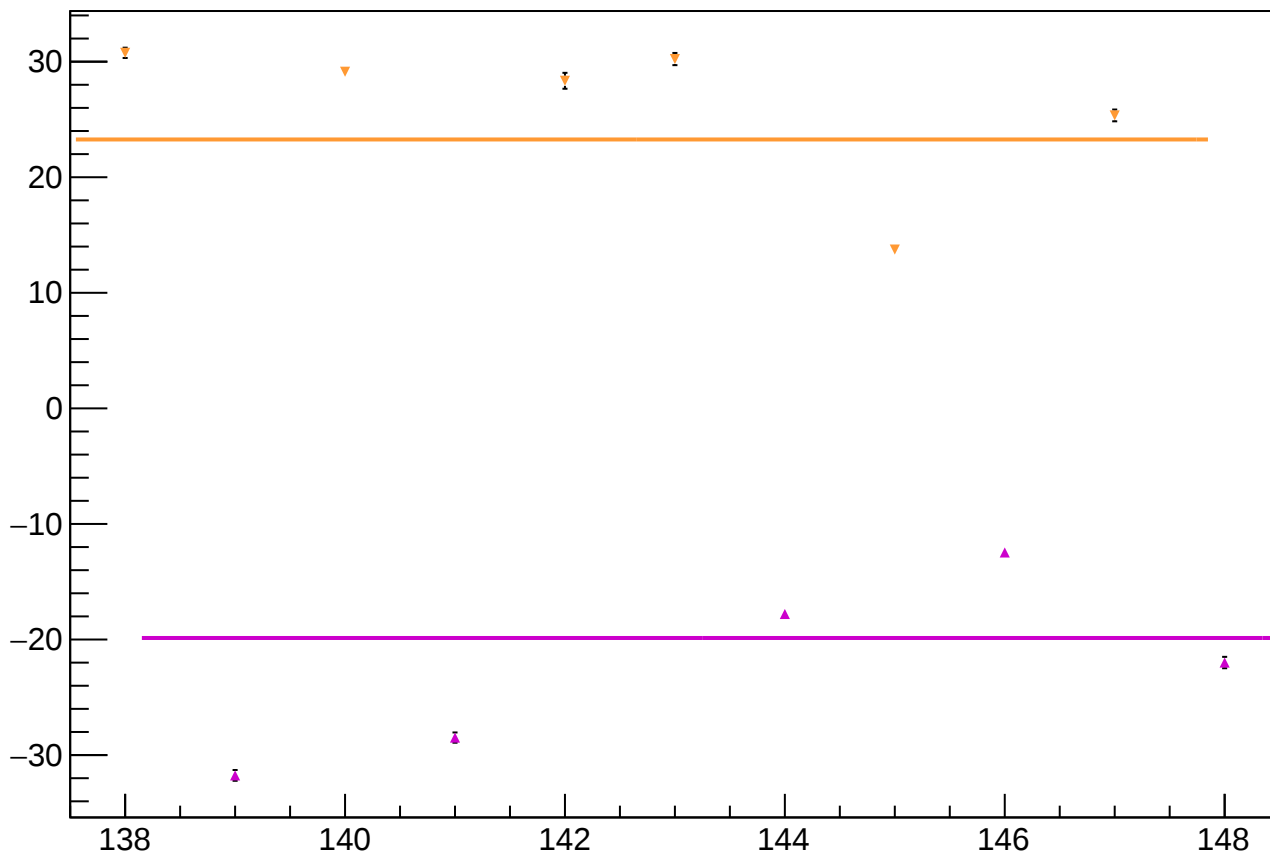
Left In: 2.325+/-0.115 χ^2/NDF : 1041.6/4

-2.098+/-0.120 χ^2/NDF : 204.2/5

0.200+/-0.083 χ^2/NDF : 1952.4/10

2.325+/-0.115 χ^2/NDF : 1041.6/4

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 23.268+/-0.171 χ^2/NDF : 1915.4/5

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

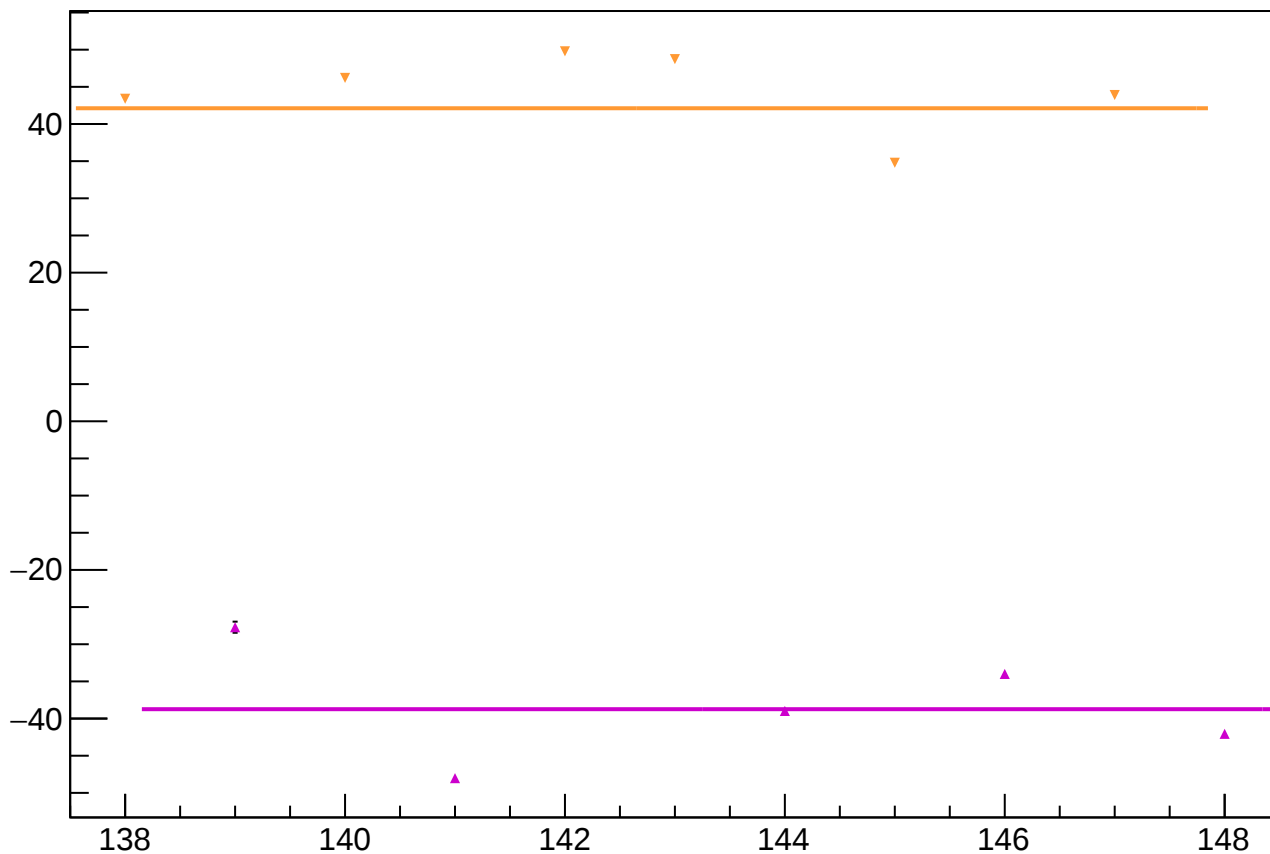
Left In: -19.867+/-0.169 χ^2/NDF : 1735.3/4

23.268+/-0.171 χ^2/NDF : 1915.4/5

1.458+/-0.120 χ^2/NDF : 35716.0/10

-19.867+/-0.169 χ^2/NDF : 1735.3/4

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 42.119+/-0.145 χ^2/NDF :1571.8/5

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

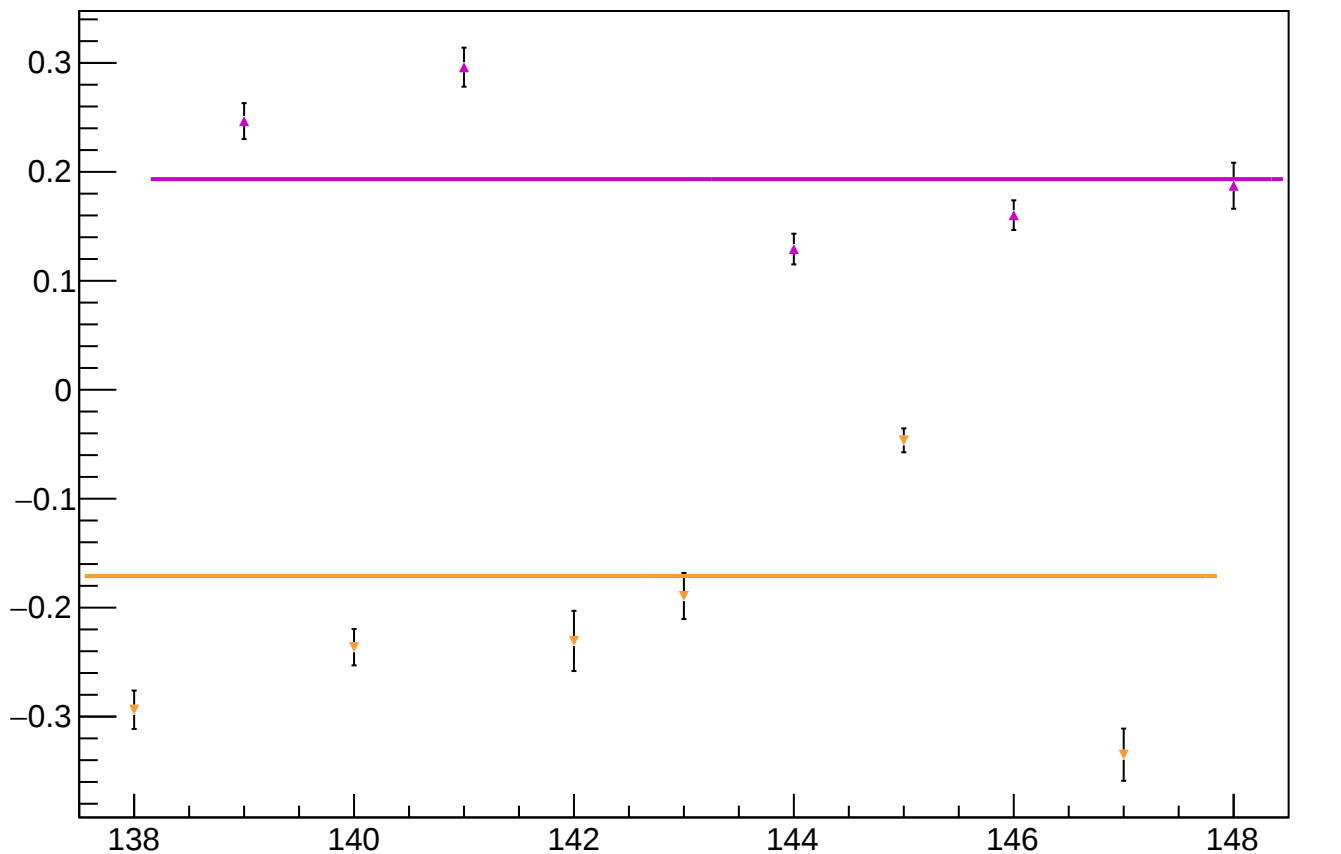
Left In: -38.739+/-0.142 χ^2/NDF :1365.9/4

42.119+/-0.145 χ^2/NDF : 1571.8/5

0.821+/-0.102 χ^2/NDF : 160671.5/10

-38.739+/-0.142 χ^2/NDF : 1365.9/4

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.171+/-0.007 χ^2/NDF : 244.5/5

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

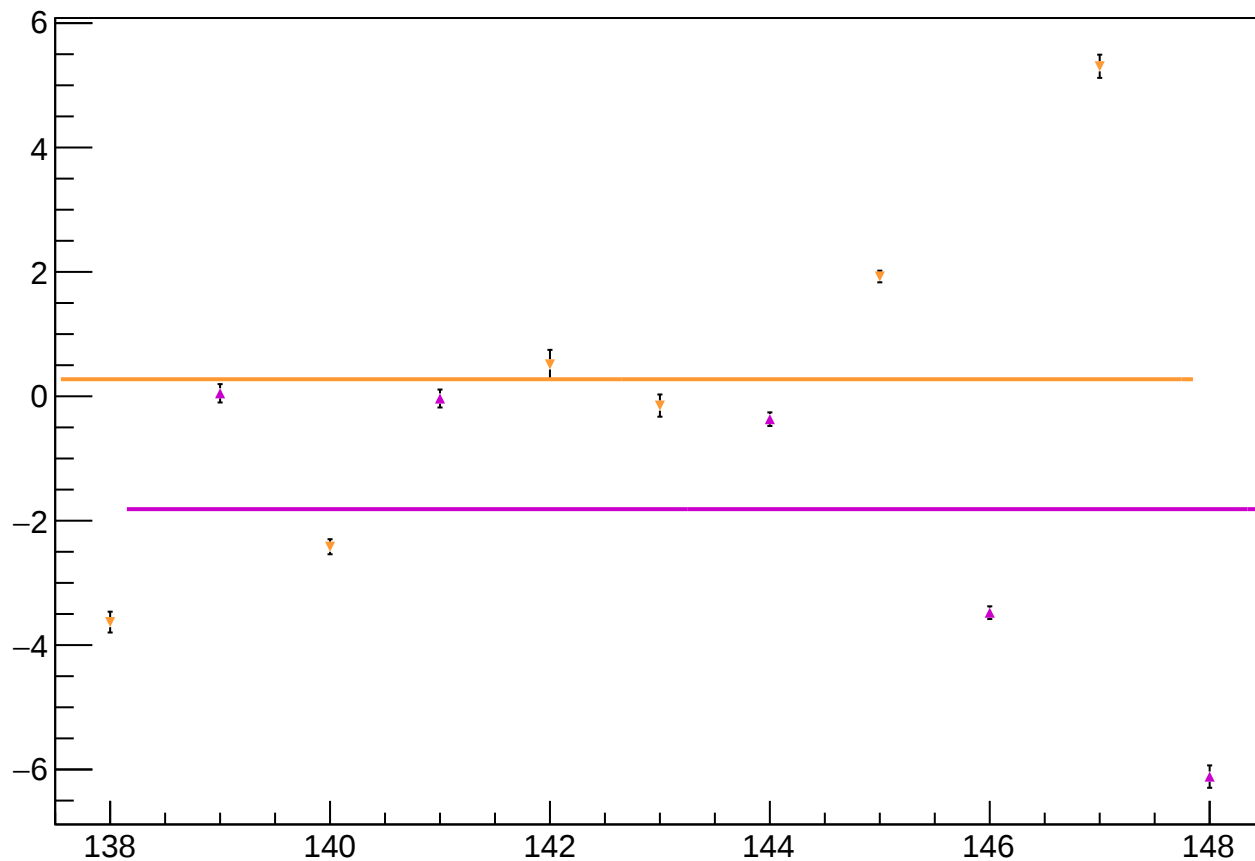
Left In: 0.193+/-0.007 χ^2/NDF : 70.0/4

-0.171+/-0.007 χ^2/NDF : 244.5/5

0.007+/-0.005 χ^2/NDF : 1635.6/10

0.193+/-0.007 χ^2/NDF : 70.0/4

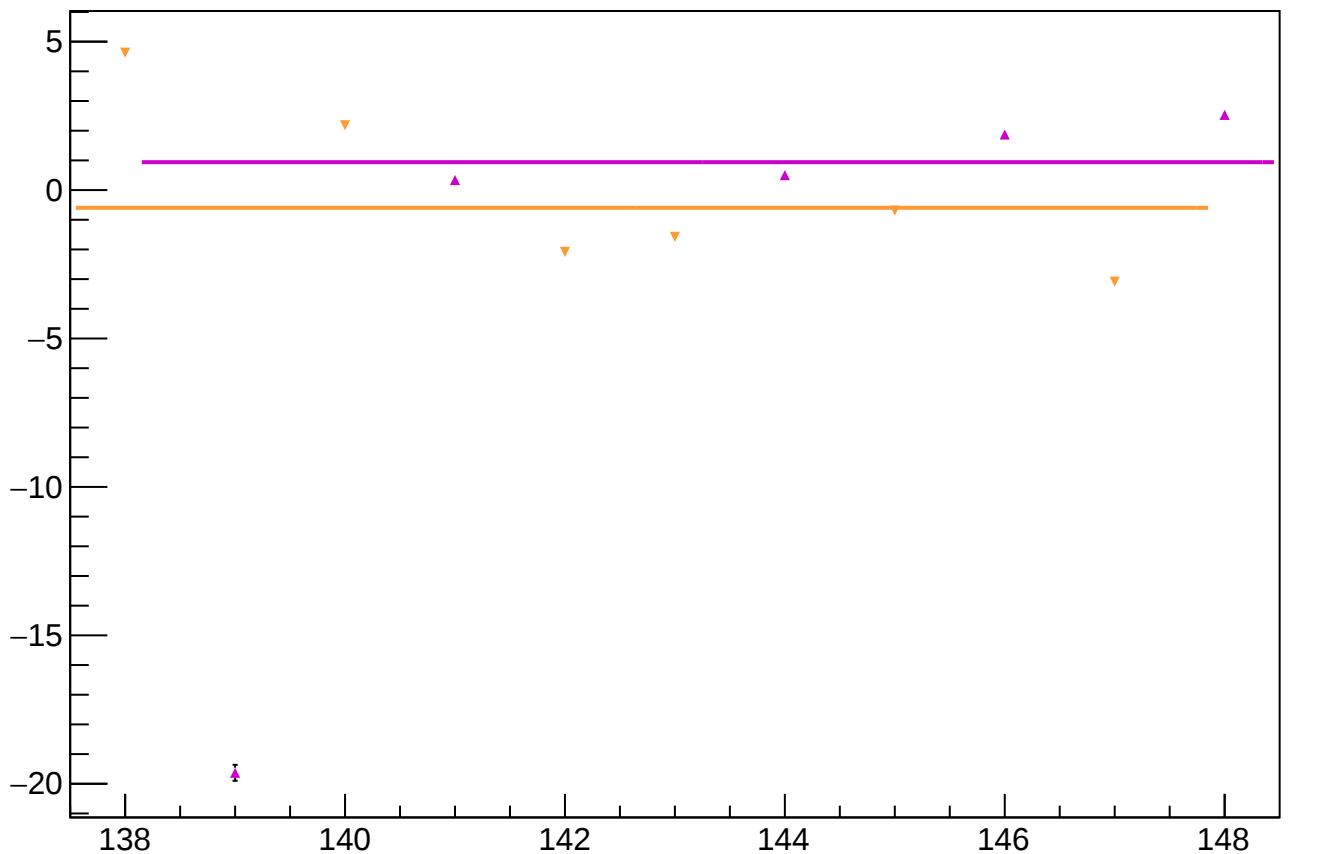
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.274+/-0.058 χ^2/NDF : 2080.2/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.814+/-0.057 χ^2/NDF : 1321.5/4

0.274+/-0.058 χ^2/NDF : 2080.2/5
 -0.785+/-0.041 χ^2/NDF : 4055.2/10
 -1.814+/-0.057 χ^2/NDF : 1321.5/4

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -0.597+/-0.043 χ^2/NDF : 2664.5/5

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

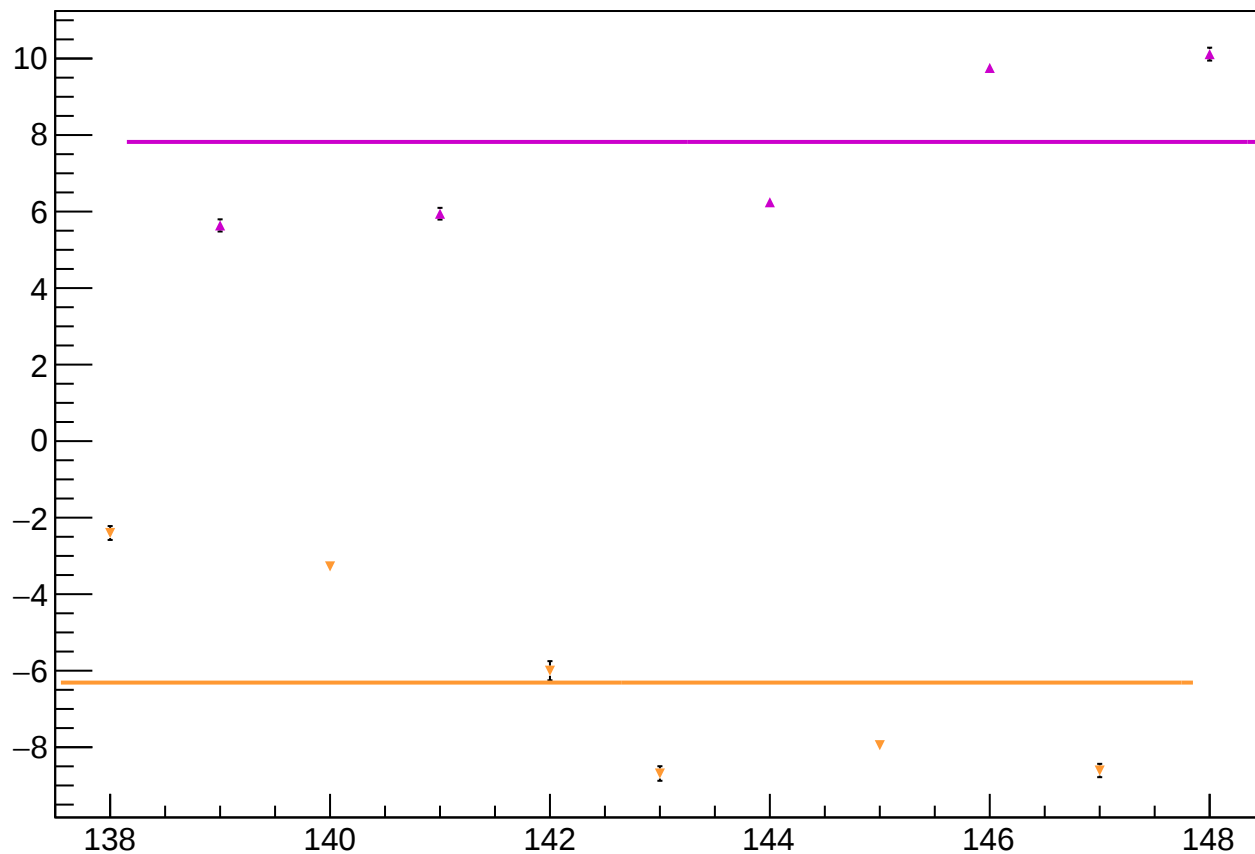
Left In: 0.939+/-0.040 χ^2/NDF : 6428.3/4

-0.597+/-0.043 χ^2/NDF : 2664.5/5

0.224+/-0.029 χ^2/NDF : 9775.6/10

0.939+/-0.040 χ^2/NDF : 6428.3/4

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -6.311+/-0.061 χ^2/NDF : 1617.5/5

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

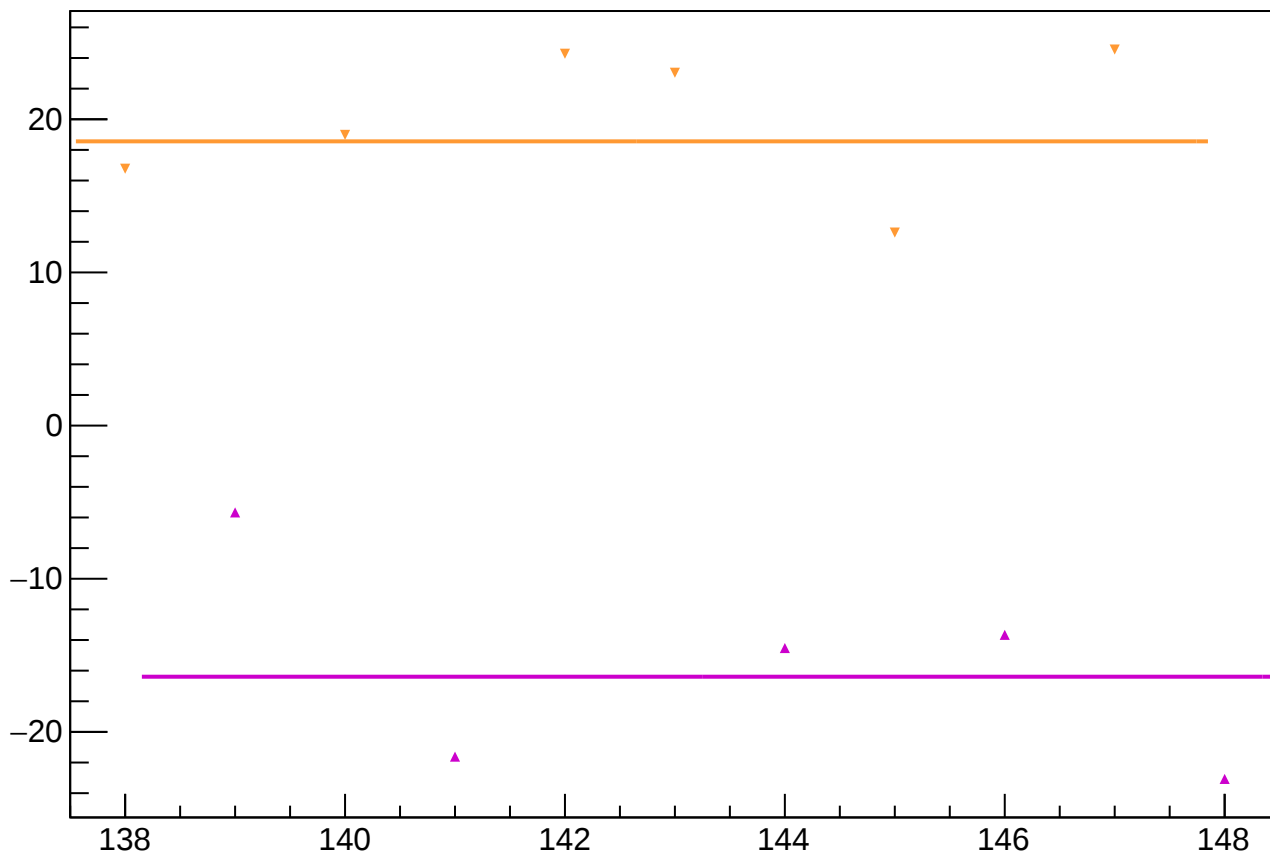
Left In: 7.820+/-0.058 χ^2/NDF : 1088.2/4

-6.311+/-0.061 χ^2/NDF : 1617.5/5

1.072+/-0.042 χ^2/NDF : 30612.0/10

7.820+/-0.058 χ^2/NDF : 1088.2/4

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 18.558+/-0.052 χ^2/NDF : 8983.8/5

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

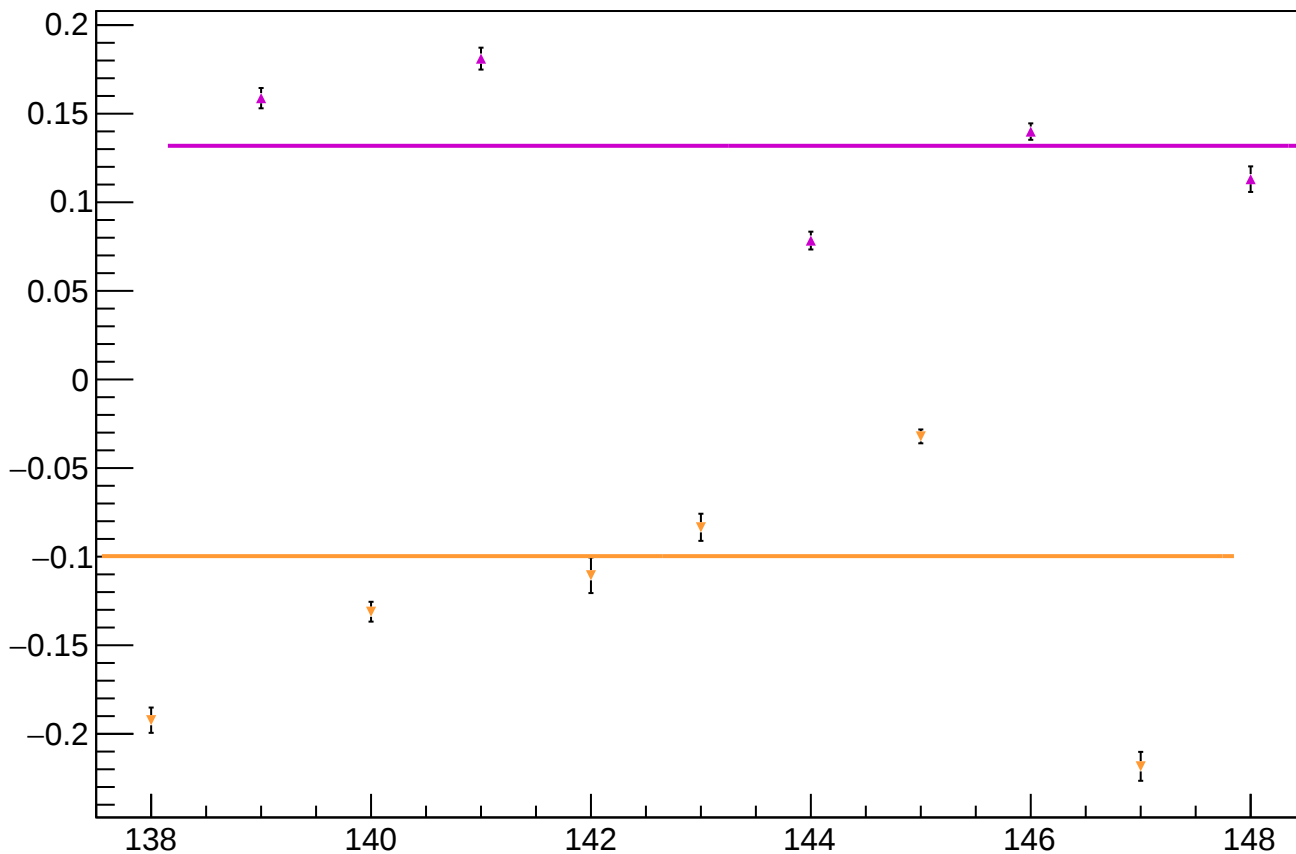
Left In: -16.396+/-0.049 χ^2/NDF : 7927.2/4

18.558+/-0.052 χ^2/NDF : 8983.8/5

0.136+/-0.036 χ^2/NDF : 253342.3/10

-16.396+/-0.049 χ^2/NDF : 7927.2/4

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.100+/-0.003 χ^2/NDF : 715.4/5

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

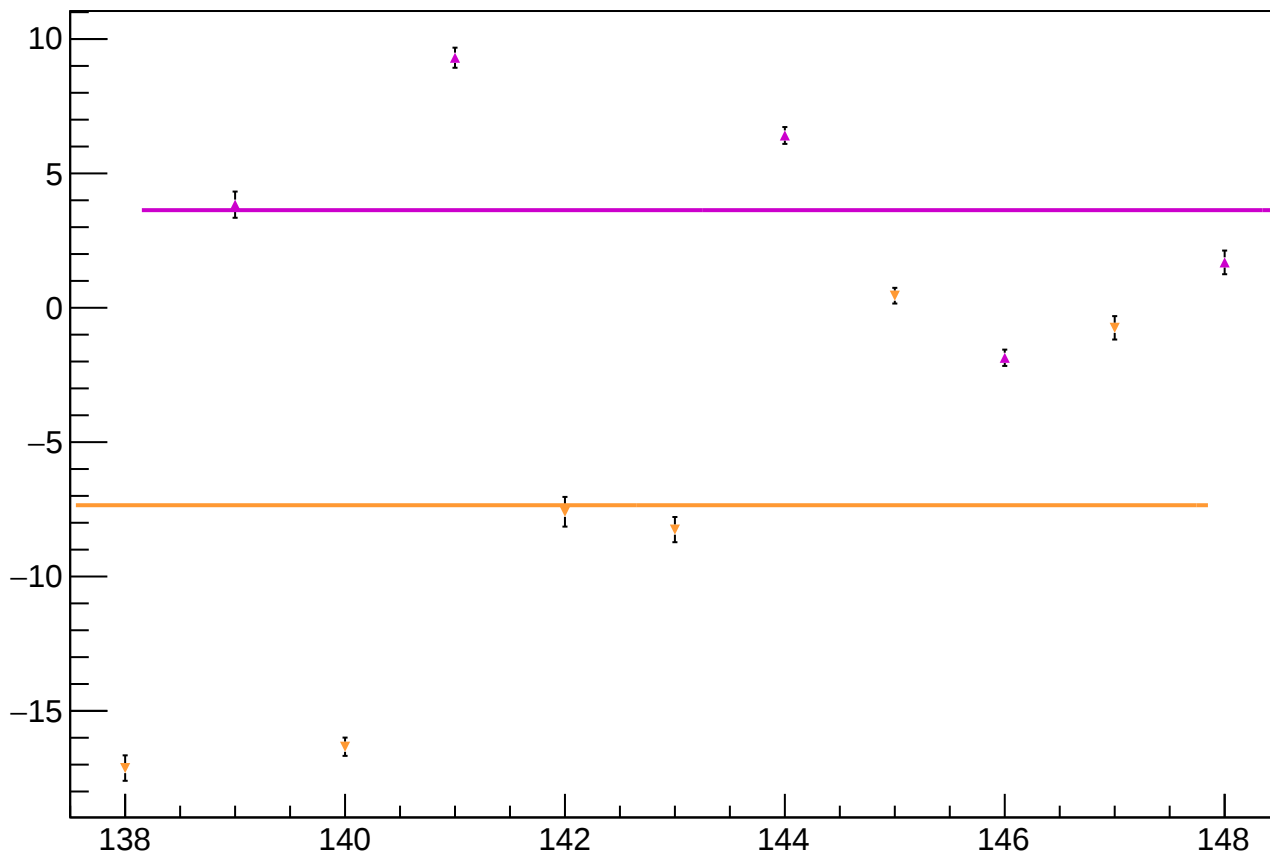
Left In: 0.132+/-0.002 χ^2/NDF : 208.4/4

-0.100+/-0.003 χ^2/NDF : 715.4/5

0.017+/-0.002 χ^2/NDF : 5226.3/10

0.132+/-0.002 χ^2/NDF : 208.4/4

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -7.347+/-0.162 χ^2/NDF : 2072.1/5

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

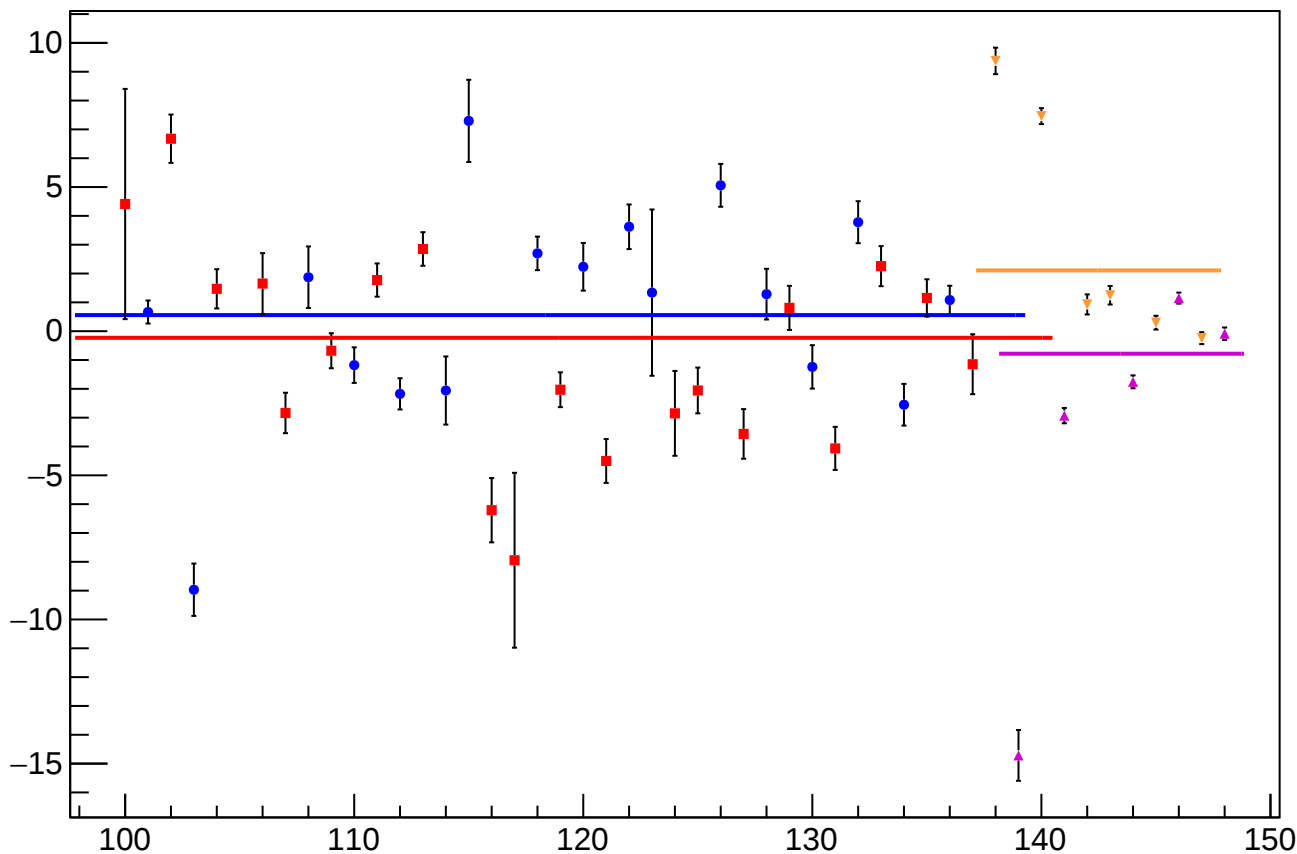
Left In: 3.633+/-0.163 χ^2/NDF : 656.2/4

-7.347+/-0.162 χ^2/NDF : 2072.1/5

-1.885+/-0.115 χ^2/NDF : 5003.1/10

3.633+/-0.163 χ^2/NDF : 656.2/4

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 ± 0.170 $\chi^2/\text{NDF}: 287.9/16$

Left Out: 2.108 ± 0.114 $\chi^2/\text{NDF}: 830.2/5$

Right Out: -0.230 ± 0.174 $\chi^2/\text{NDF}: 278.5/19$

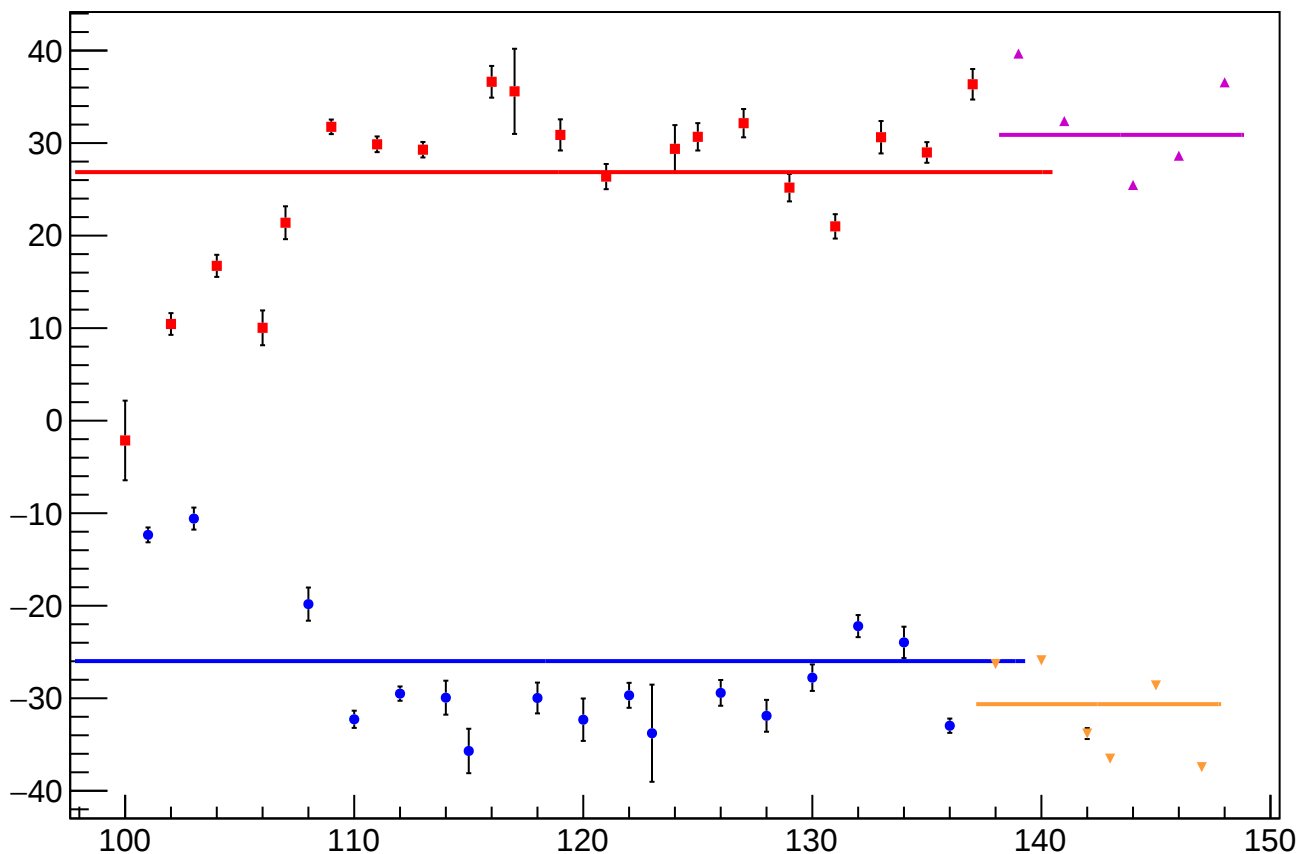
Left In: -0.782 ± 0.109 $\chi^2/\text{NDF}: 447.1/4$

1.626 ± 0.095 $\chi^2/\text{NDF}: 1175.4/22$

0.469 ± 0.066 $\chi^2/\text{NDF}: 2198.1/47$

-0.627 ± 0.092 $\chi^2/\text{NDF}: 732.9/24$

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: -30.636 ± 0.170 χ^2/NDF : 733.0/5

Right Out: 26.861 ± 0.297 χ^2/NDF : 585.2/19

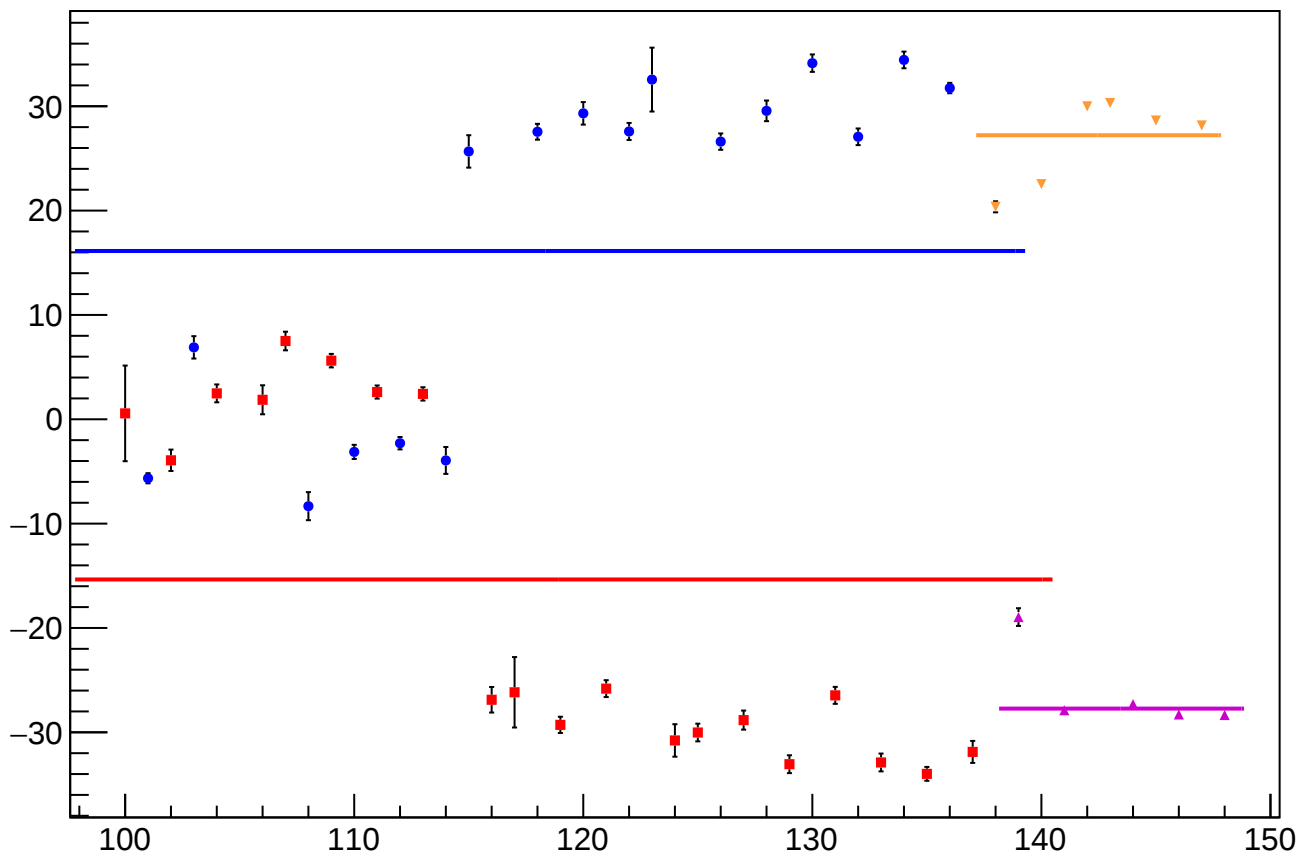
Left In: 30.886 ± 0.166 χ^2/NDF : 799.7/4

-29.512 ± 0.148 χ^2/NDF : 1606.3/22

0.807 ± 0.103 χ^2/NDF : 85770.6/47

29.930 ± 0.145 χ^2/NDF : 1524.9/24

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: 27.220+/-0.141 χ^2/NDF : 508.2/5

Right Out: -15.352+/-0.197 χ^2/NDF : 7288.4/19

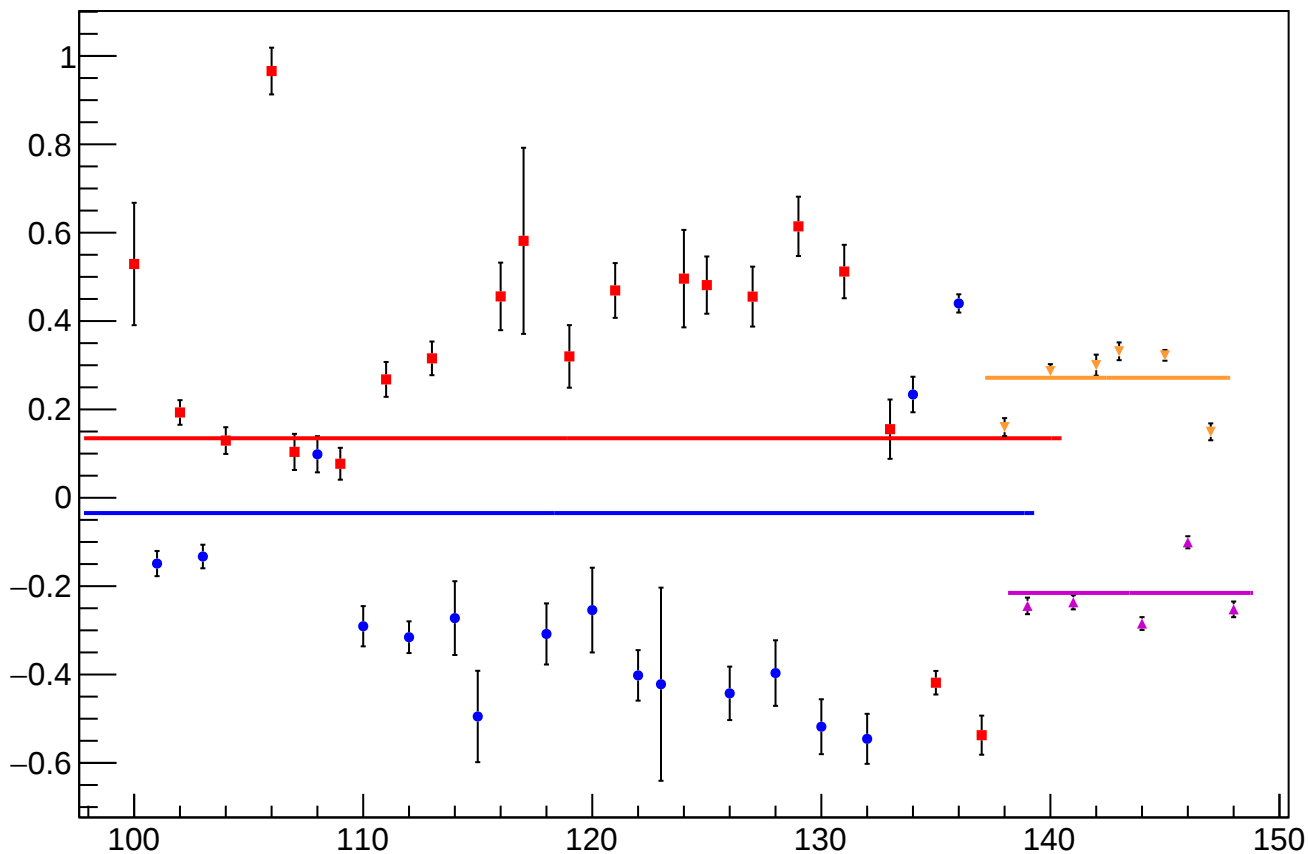
Left In: -27.728+/-0.136 χ^2/NDF : 119.4/4

23.338+/-0.114 χ^2/NDF : 10248.4/22

-0.548+/-0.080 χ^2/NDF : 107402.3/47

-23.721+/-0.112 χ^2/NDF : 10085.2/24

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 ± 0.010 $\chi^2/\text{NDF}: 1011.6/16$

Left Out: 0.272 ± 0.007 $\chi^2/\text{NDF}: 99.9/5$

Right Out: 0.135 ± 0.010 $\chi^2/\text{NDF}: 1166.4/19$

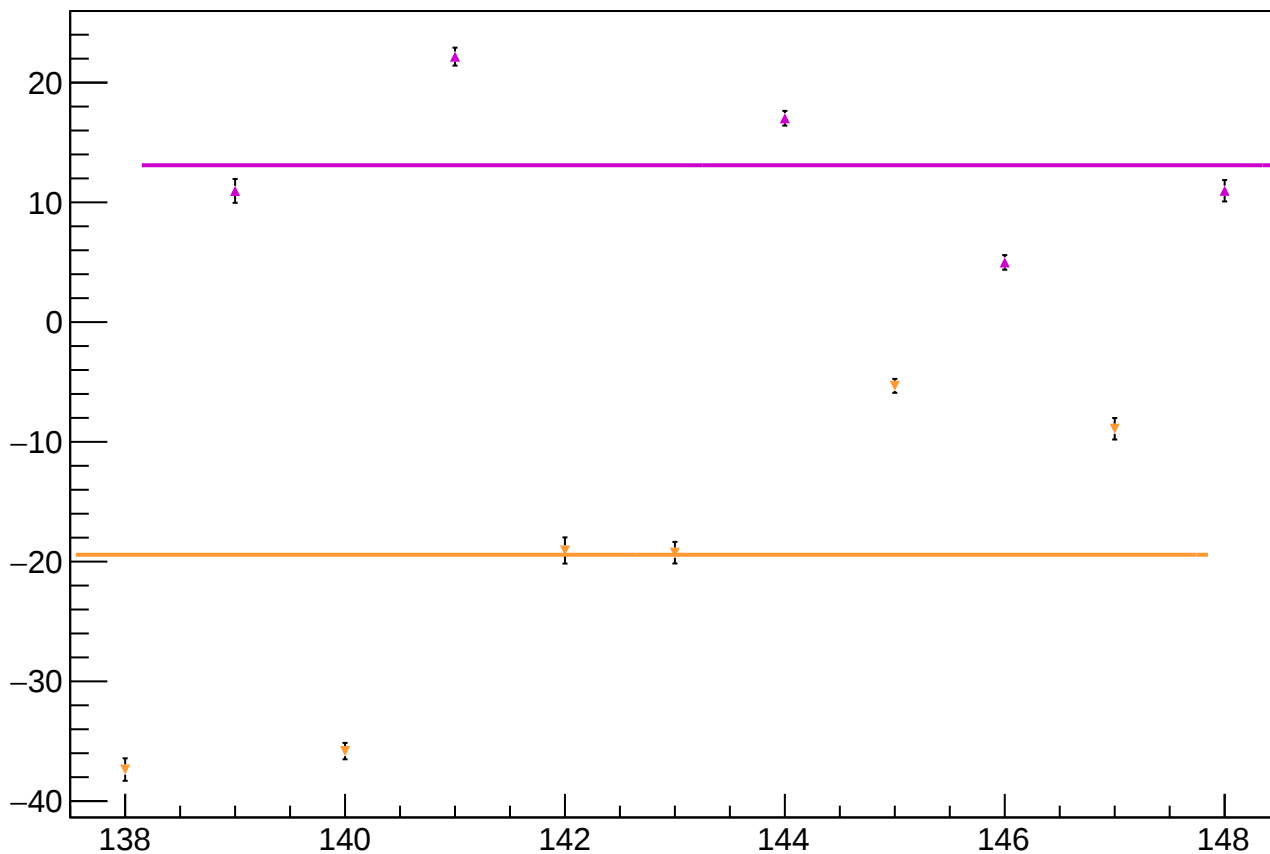
Left In: -0.215 ± 0.007 $\chi^2/\text{NDF}: 101.7/4$

0.175 ± 0.006 $\chi^2/\text{NDF}: 1711.6/22$

0.036 ± 0.004 $\chi^2/\text{NDF}: 4904.7/47$

-0.104 ± 0.006 $\chi^2/\text{NDF}: 2047.1/24$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -19.428+/-0.324 χ^2/NDF : 1663.7/5

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

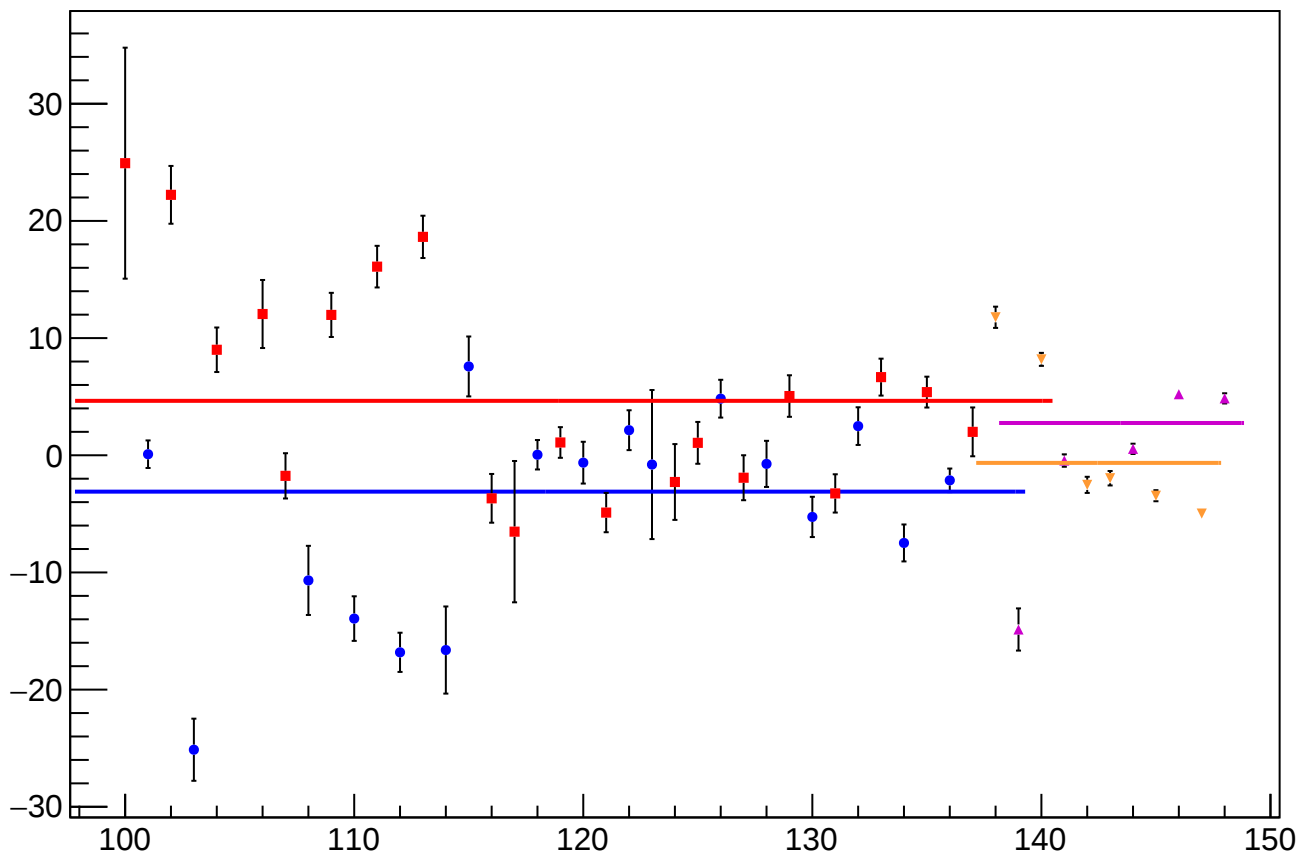
Left In: 13.098+/-0.327 χ^2/NDF : 374.5/4

-19.428+/-0.324 χ^2/NDF : 1663.7/5

-3.303+/-0.230 χ^2/NDF : 7036.4/10

13.098+/-0.327 χ^2/NDF : 374.5/4

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 $\pm$ 0.411 χ^2 /NDF: 279.1/16

Left Out: -0.650 $\pm$ 0.228 χ^2 /NDF: 591.2/5

Right Out: 4.645 $\pm$ 0.425 χ^2 /NDF: 301.1/19

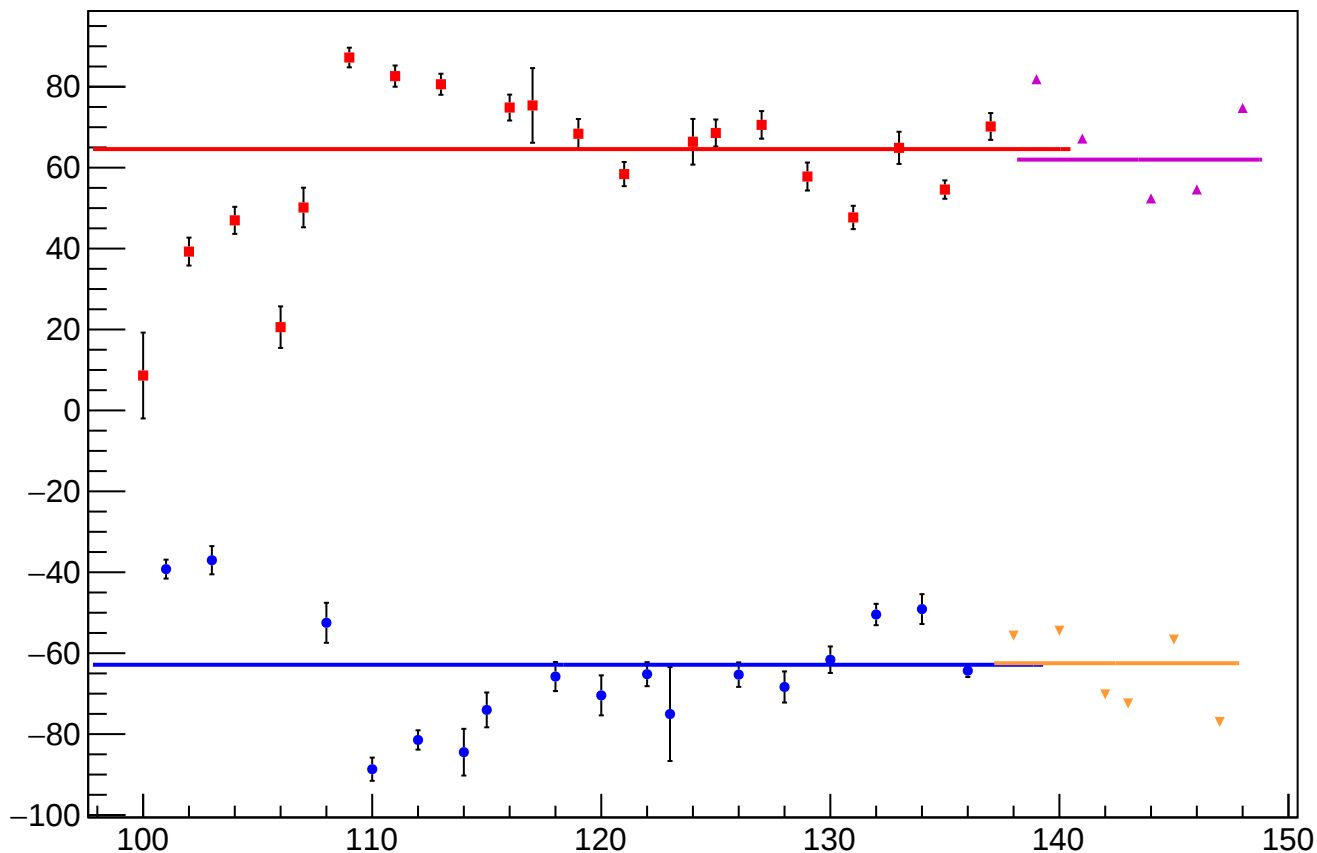
Left In: 2.755 $\pm$ 0.216 χ^2 /NDF: 223.3/4

-1.229 $\pm$ 0.200 χ^2 /NDF: 897.6/22

1.033 $\pm$ 0.139 χ^2 /NDF: 1685.9/47

3.144 $\pm$ 0.193 χ^2 /NDF: 540.1/24

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: -62.480+/-0.339 χ^2/NDF : 705.5/5

Right Out: 64.588+/-0.749 χ^2/NDF : 445.6/19

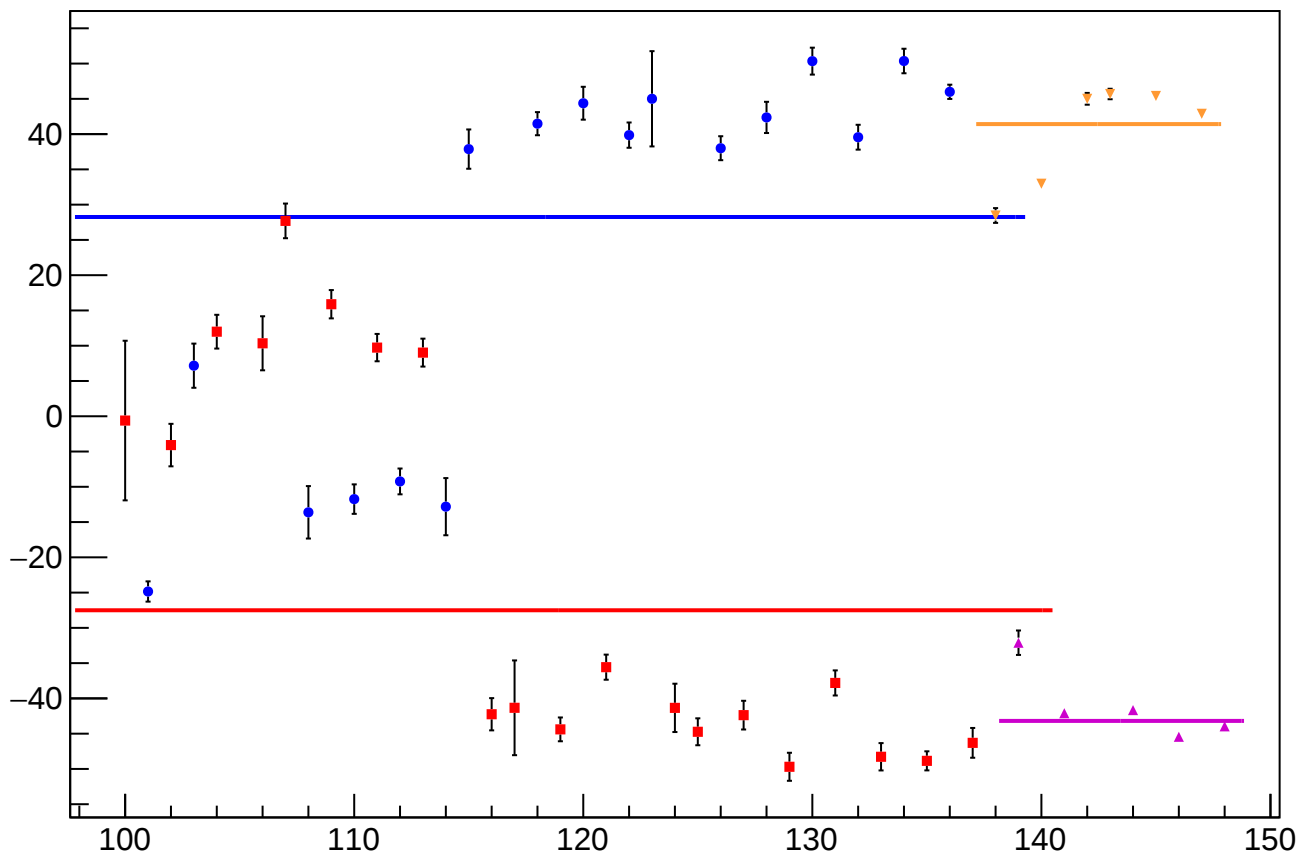
Left In: 61.987+/-0.332 χ^2/NDF : 983.4/4

-62.546+/-0.308 χ^2/NDF : 1074.4/22

0.882+/-0.216 χ^2/NDF : 85964.8/47

62.414+/-0.304 χ^2/NDF : 1439.1/24

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: 41.421+/-0.281 χ^2/NDF : 422.5/5

Right Out: -27.505+/-0.478 χ^2/NDF : 3036.7/19

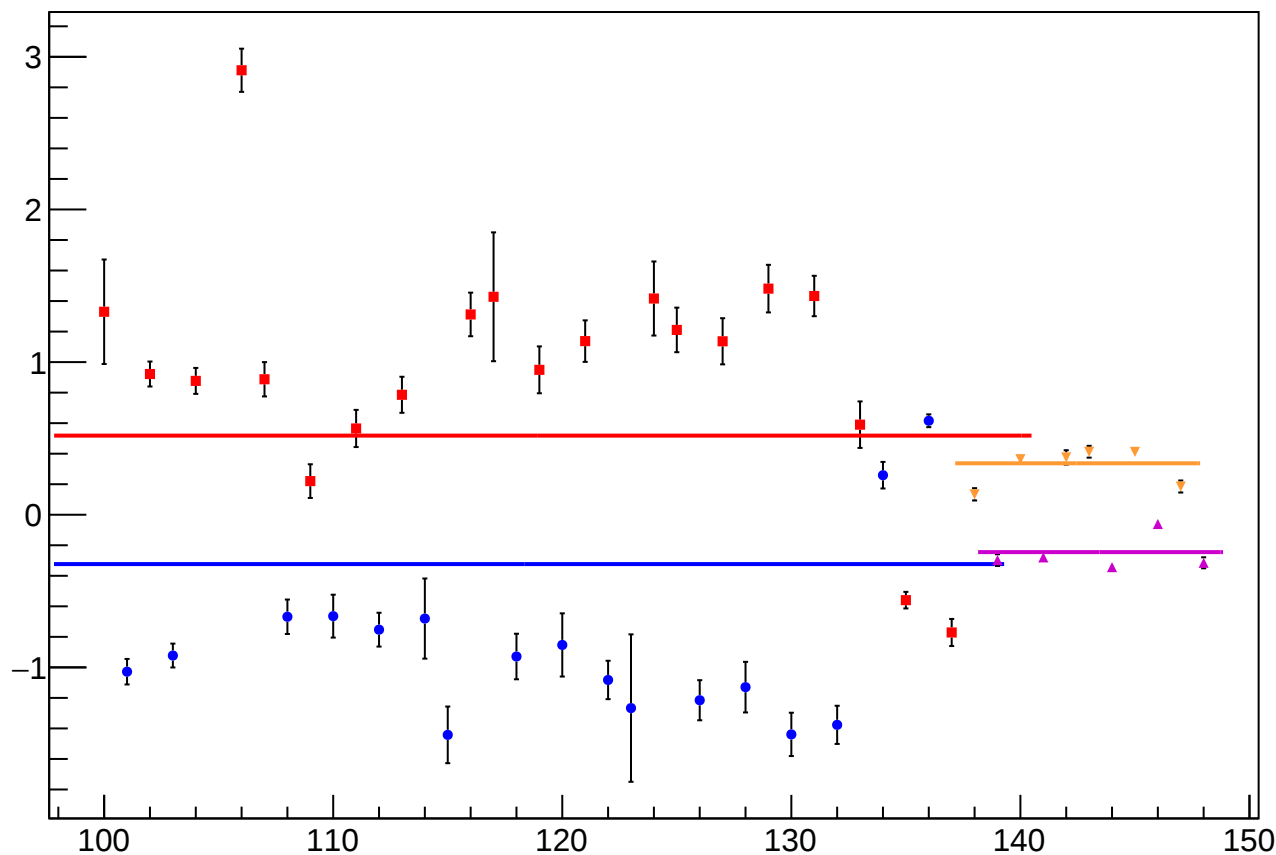
Left In: -43.190+/-0.271 χ^2/NDF : 76.5/4

37.838+/-0.240 χ^2/NDF : 4338.6/22

-1.439+/-0.168 χ^2/NDF : 60925.0/47

-39.366+/-0.236 χ^2/NDF : 3928.9/24

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.337 ± 0.014 $\chi^2/\text{NDF}: 54.9/5$

Right Out: 0.518 ± 0.026 $\chi^2/\text{NDF}: 1165.5/19$

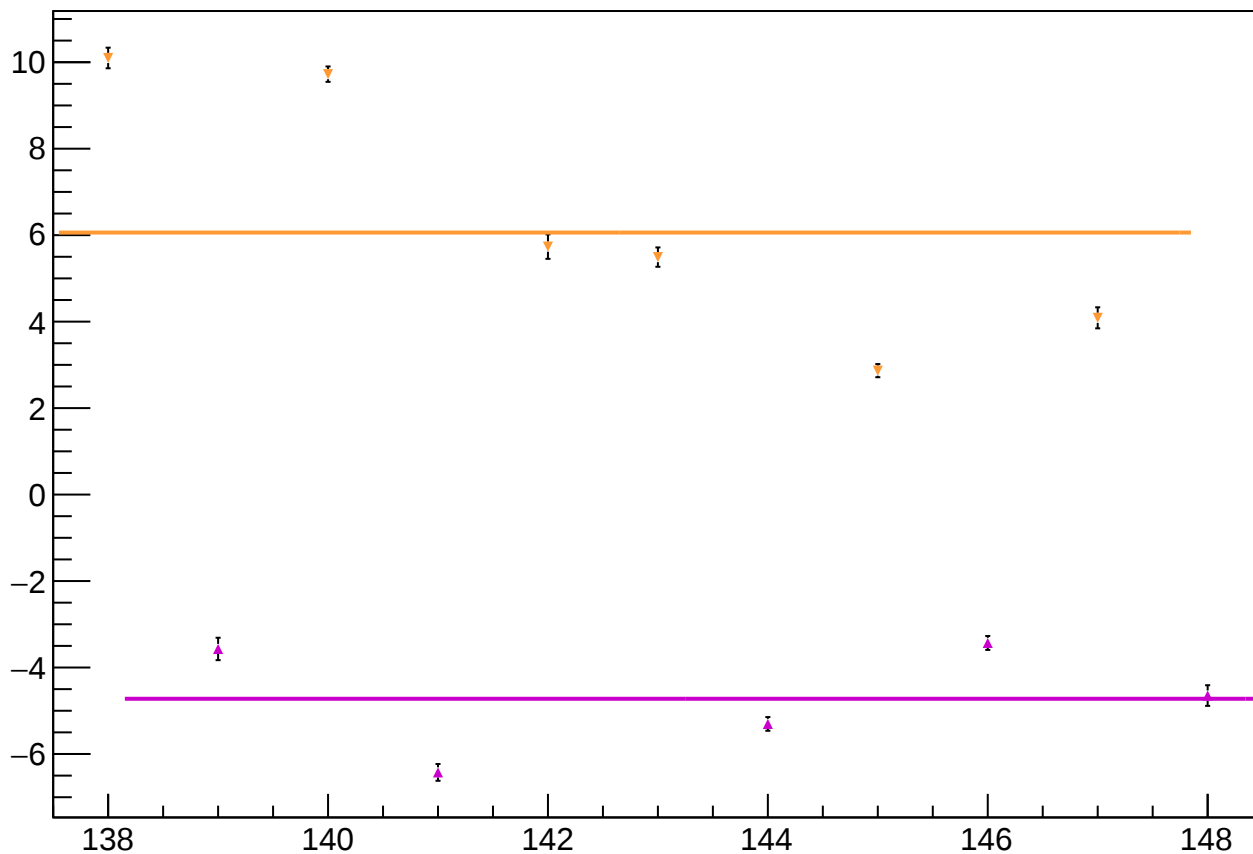
Left In: -0.245 ± 0.014 $\chi^2/\text{NDF}: 63.9/4$

0.178 ± 0.012 $\chi^2/\text{NDF}: 1597.4/22$

0.057 ± 0.009 $\chi^2/\text{NDF}: 3701.5/47$

-0.067 ± 0.012 $\chi^2/\text{NDF}: 1905.6/24$

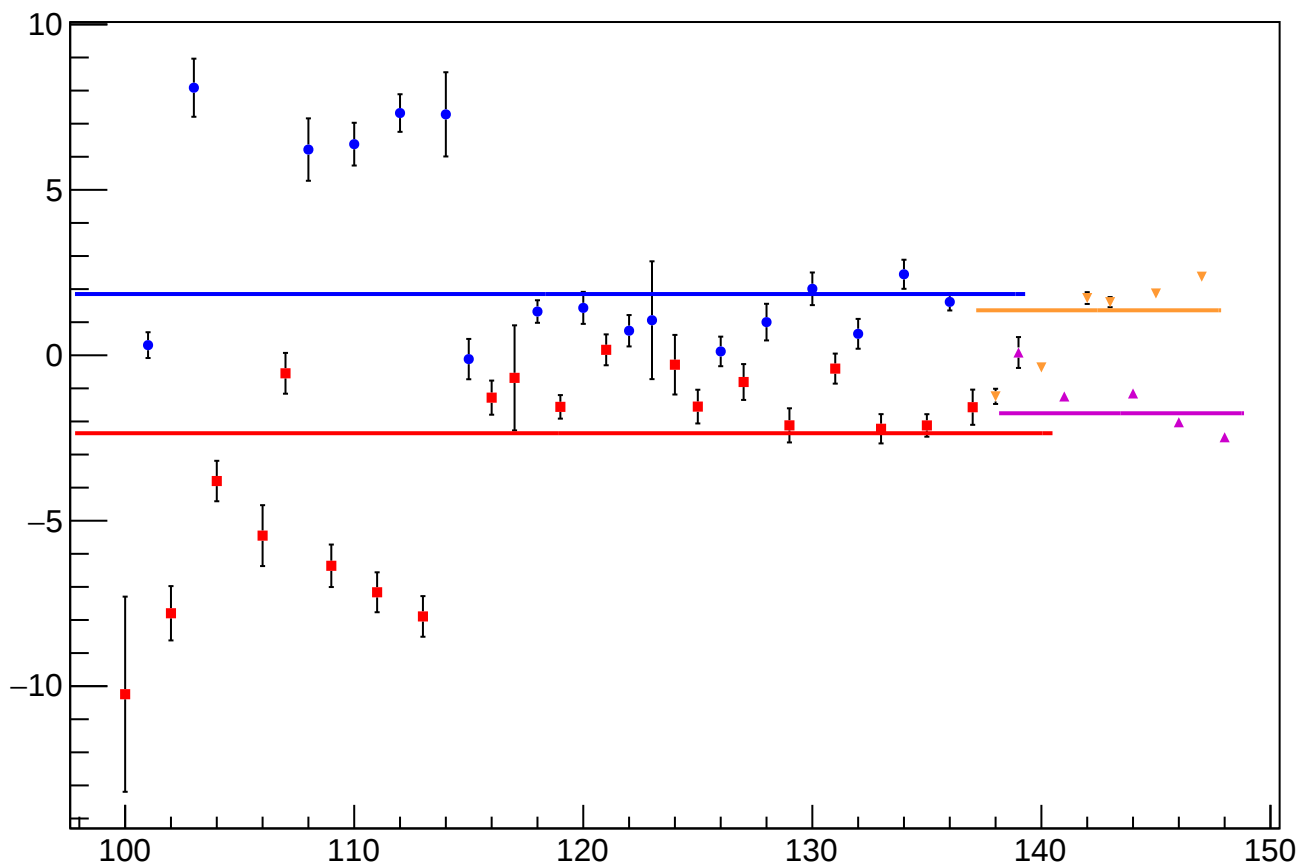
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.061+/-0.084 χ^2/NDF :1224.6/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.723+/-0.085 χ^2/NDF :174.2/4

6.061+/-0.084 χ^2/NDF : 1224.6/5
 0.757+/-0.060 χ^2/NDF : 9502.5/10
 -4.723+/-0.085 χ^2/NDF : 174.2/4

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: 1.359 ± 0.059 χ^2/NDF : 373.2/5

Right Out: -2.355 ± 0.122 χ^2/NDF : 337.4/19

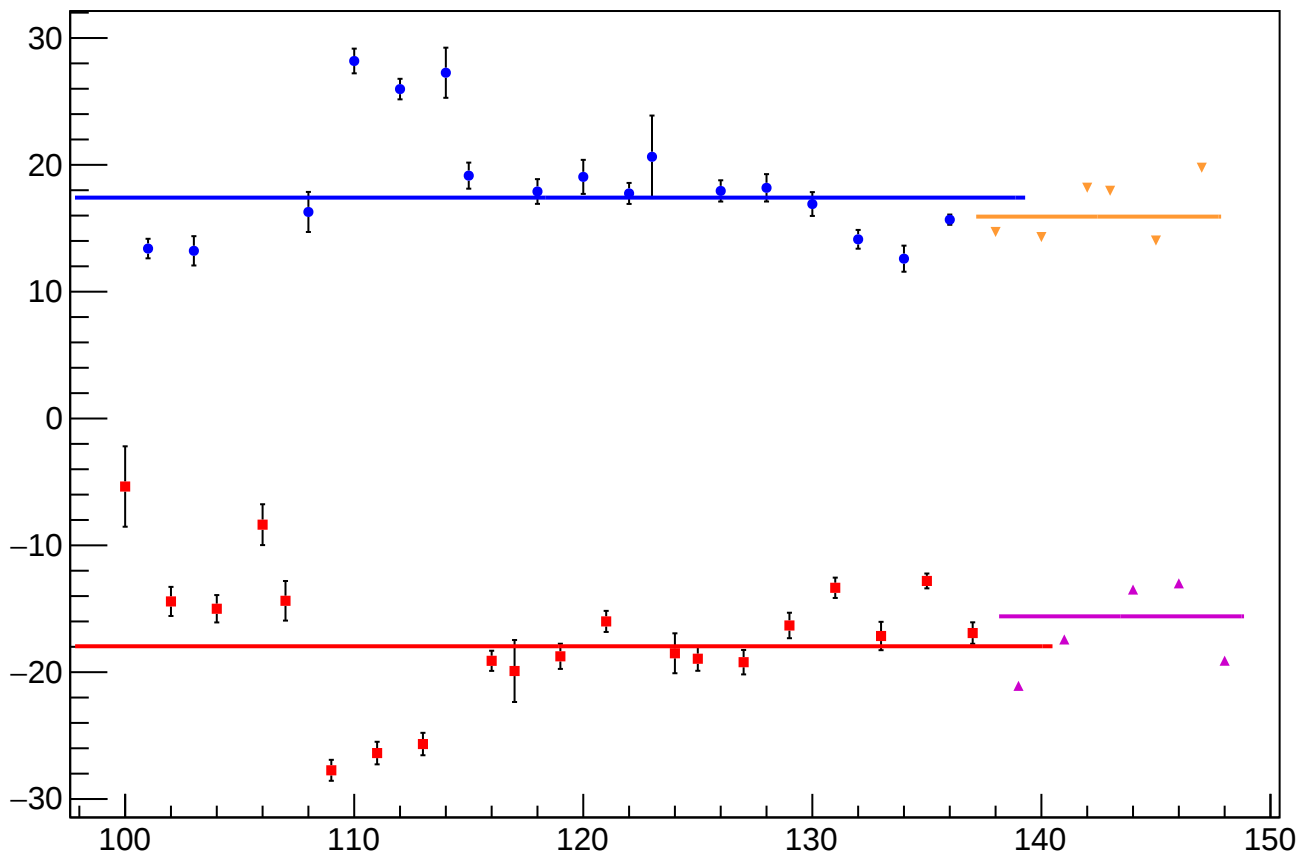
Left In: -1.752 ± 0.056 χ^2/NDF : 103.9/4

1.460 ± 0.053 χ^2/NDF : 681.3/22

-0.257 ± 0.037 χ^2/NDF : 3168.0/47

-1.858 ± 0.051 χ^2/NDF : 461.3/24

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 ± 0.213 χ^2/NDF : 367.0/16

Left Out: 15.919 ± 0.088 χ^2/NDF : 647.5/5

Right Out: -17.957 ± 0.218 χ^2/NDF : 506.2/19

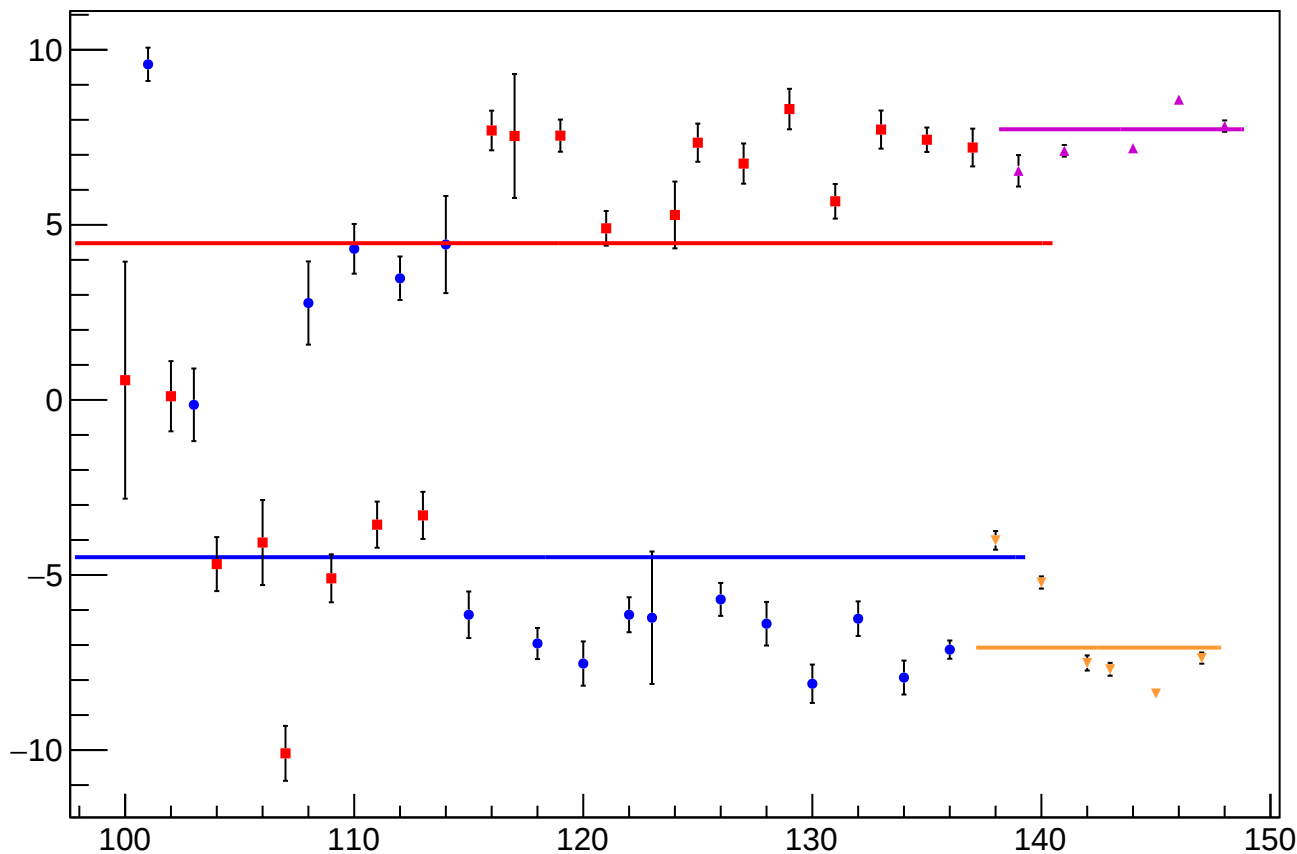
Left In: -15.597 ± 0.087 χ^2/NDF : 1140.6/4

16.138 ± 0.081 χ^2/NDF : 1056.9/22

-0.021 ± 0.057 χ^2/NDF : 81033.9/47

-15.920 ± 0.081 χ^2/NDF : 1747.7/24

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: -7.074 ± 0.073 χ^2/NDF : 351.0/5

Right Out: 4.476 ± 0.137 χ^2/NDF : 1342.0/19

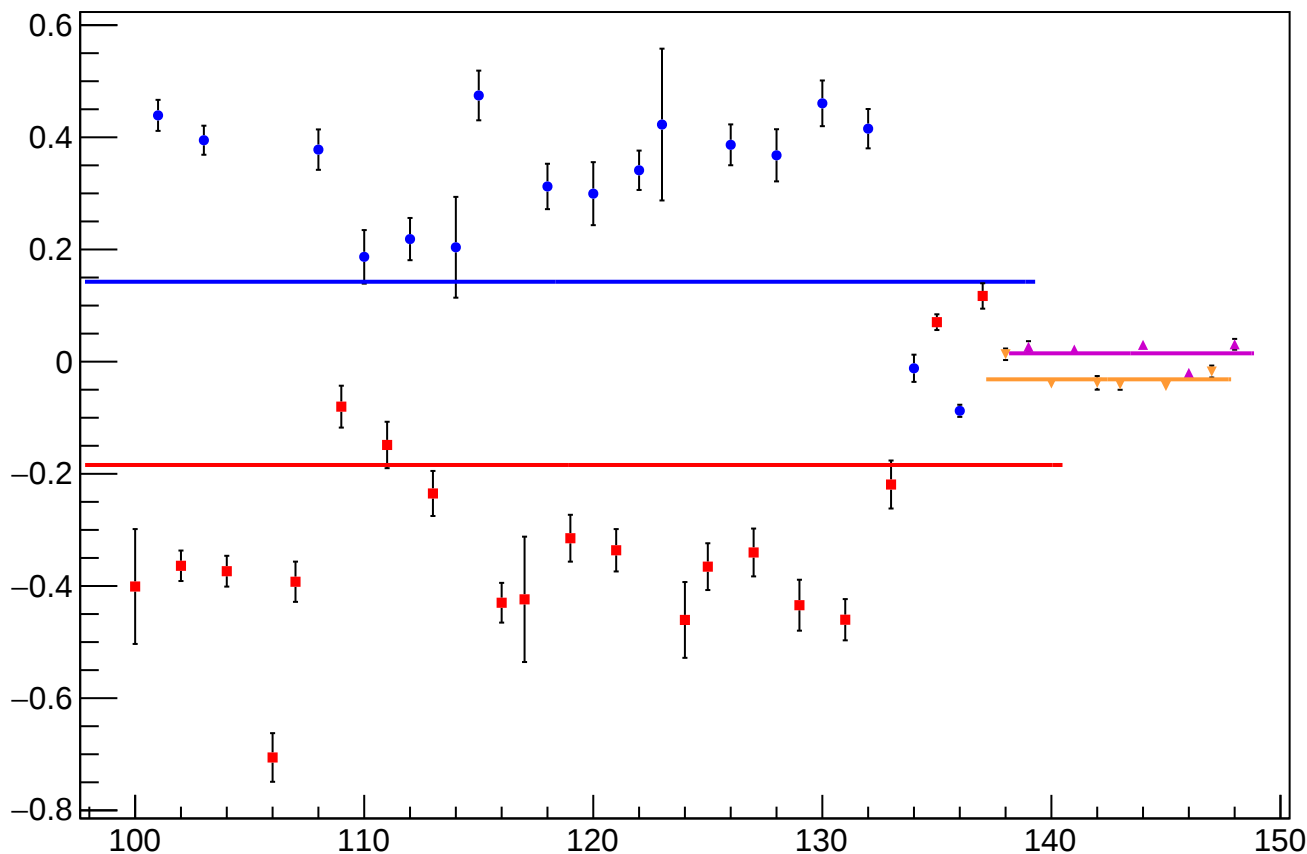
Left In: 7.730 ± 0.071 χ^2/NDF : 83.8/4

-6.456 ± 0.064 χ^2/NDF : 2234.7/22

0.393 ± 0.045 χ^2/NDF : 26826.0/47

7.041 ± 0.063 χ^2/NDF : 1873.0/24

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 $\pm$ 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.032 $\pm$ 0.004 χ^2/NDF : 26.1/5

Right Out: -0.184 $\pm$ 0.007 χ^2/NDF : 1005.5/19

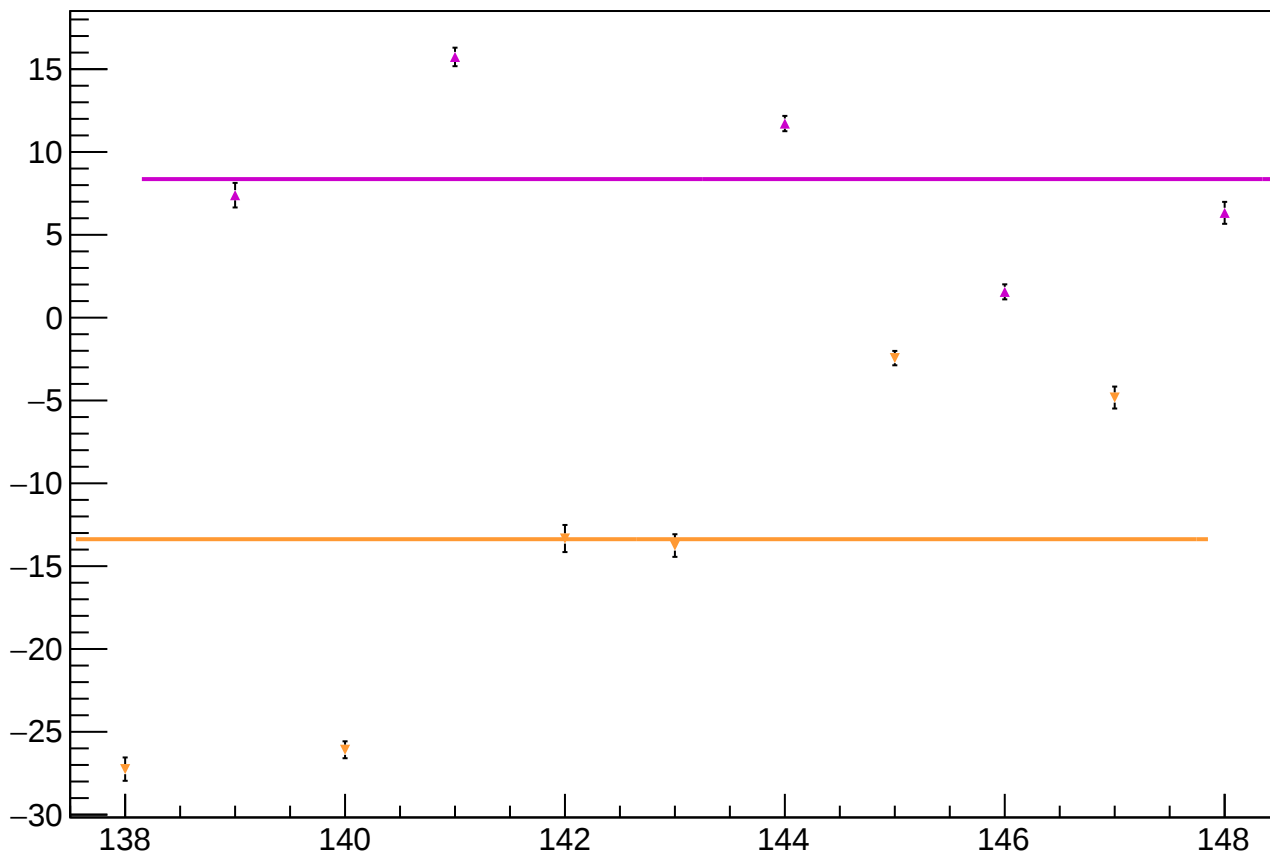
Left In: 0.015 $\pm$ 0.004 χ^2/NDF : 32.4/4

0.005 $\pm$ 0.003 χ^2/NDF : 1563.4/22

-0.010 $\pm$ 0.002 χ^2/NDF : 3223.4/47

-0.025 $\pm$ 0.003 χ^2/NDF : 1617.8/24

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.373+/-0.242 χ^2/NDF : 1808.6/5

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

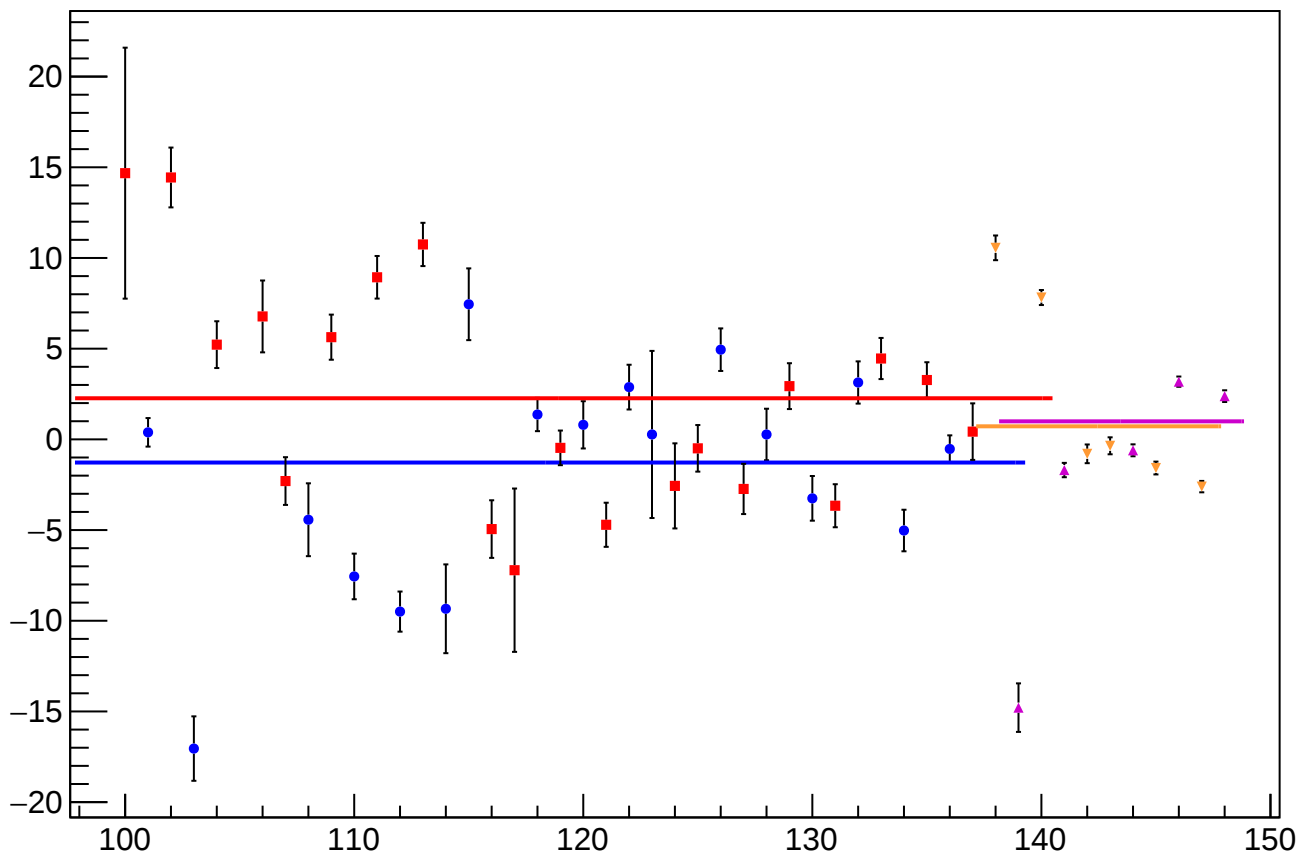
Left In: 8.363+/-0.244 χ^2/NDF : 462.5/4

-13.373+/-0.242 χ^2/NDF : 1808.6/5

-2.580+/-0.172 χ^2/NDF : 6275.4/10

8.363+/-0.244 χ^2/NDF : 462.5/4

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278+/-0.292 χ^2 /NDF: 276.5/16

Left Out: 0.719+/-0.170 χ^2 /NDF:670.6/5

Right Out: 2.266+/-0.302 χ^2 /NDF: 289.8/19

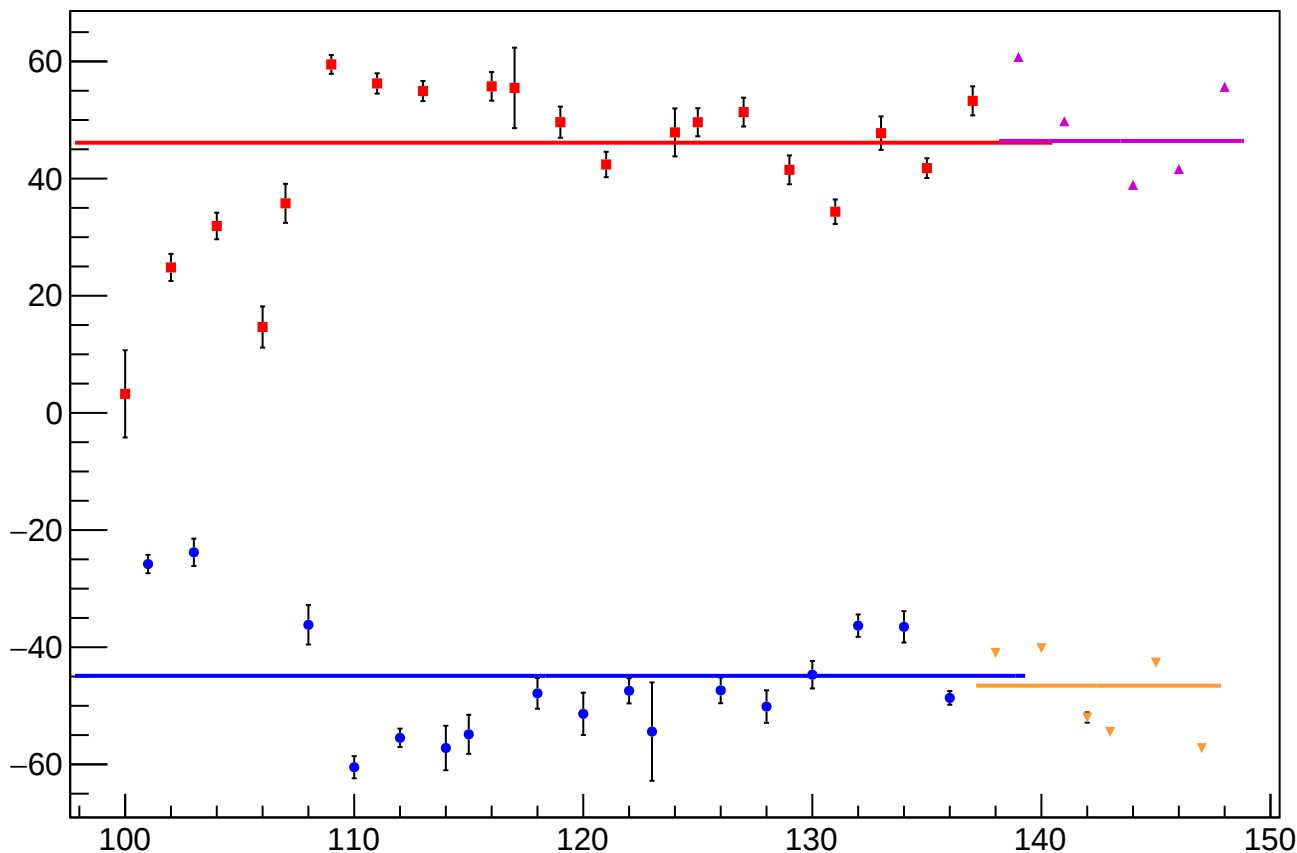
Left In: 0.994+/-0.162 χ^2 /NDF:287.0/4

0.213+/-0.147 χ^2 /NDF: 982.0/22

0.763+/-0.102 χ^2 /NDF: 1599.5/47

1.278+/-0.143 χ^2 /NDF: 590.6/24

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 $\chi^2/\text{NDF}: 421.0/16$

Left Out: -46.563 ± 0.253 $\chi^2/\text{NDF}: 718.3/5$

Right Out: 46.130 ± 0.527 $\chi^2/\text{NDF}: 456.1/19$

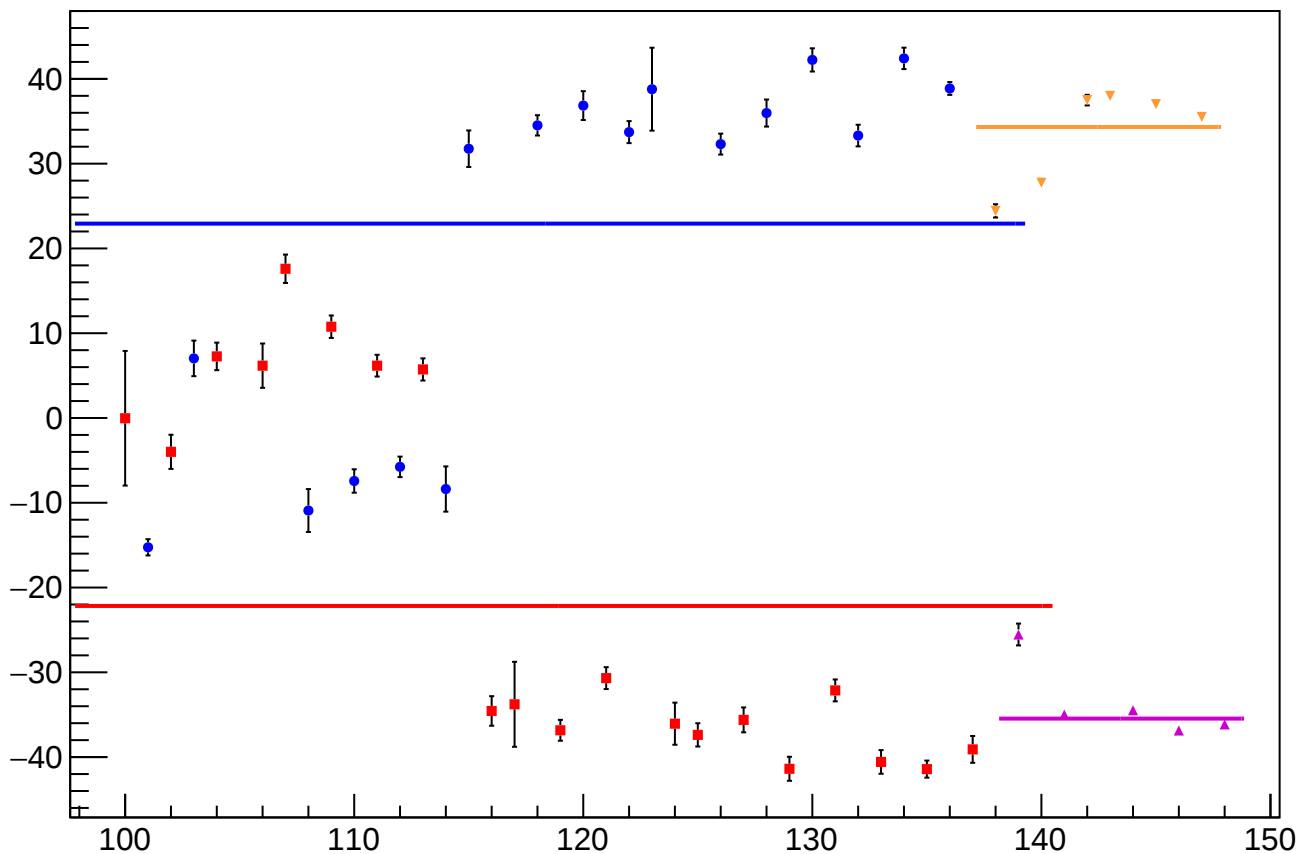
Left In: 46.425 ± 0.248 $\chi^2/\text{NDF}: 923.0/4$

-46.246 ± 0.228 $\chi^2/\text{NDF}: 1147.6/22$

0.842 ± 0.160 $\chi^2/\text{NDF}: 86482.9/47$

46.371 ± 0.224 $\chi^2/\text{NDF}: 1379.4/24$

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: 34.329+/-0.210 χ^2/NDF : 449.9/5

Right Out: -22.170+/-0.339 χ^2/NDF : 4038.8/19

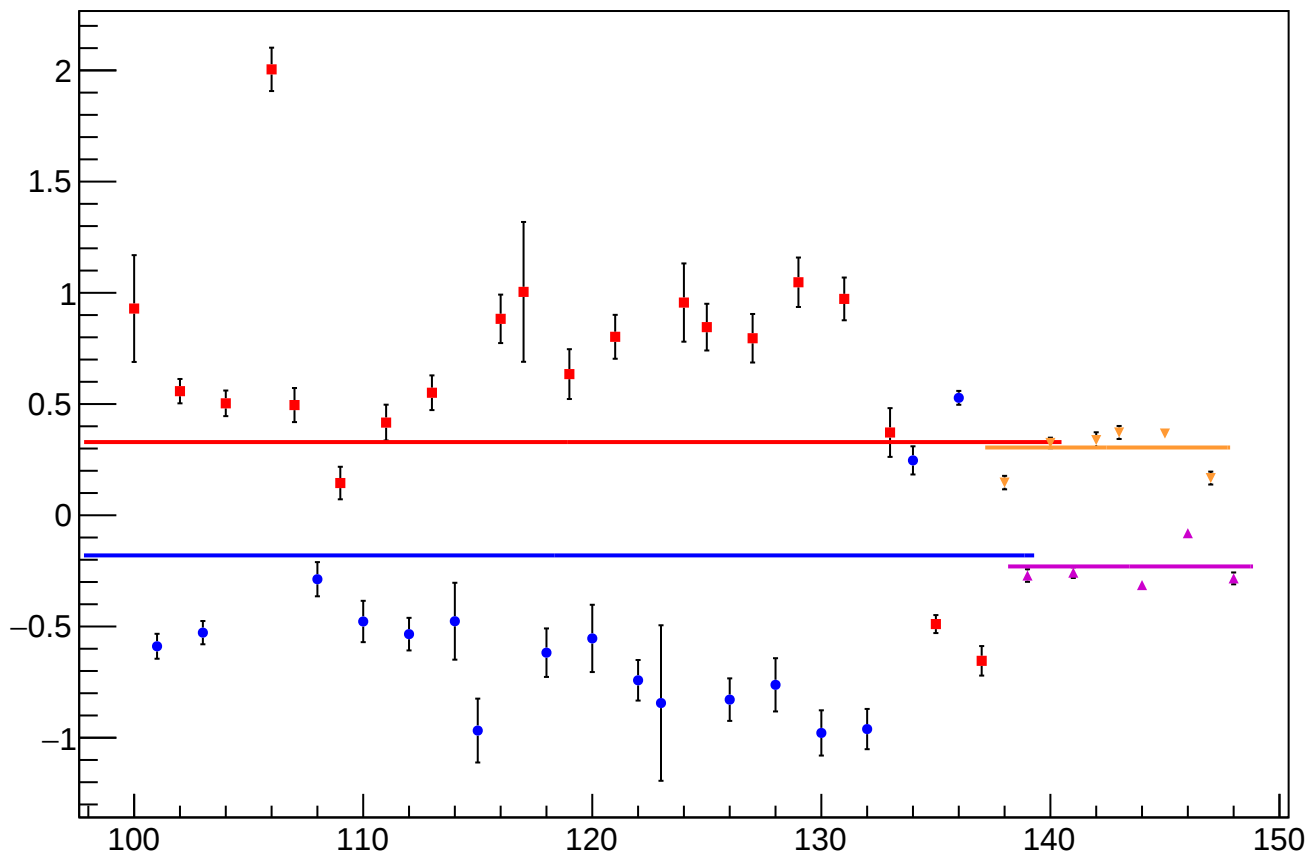
Left In: -35.460+/-0.203 χ^2/NDF : 84.5/4

31.013+/-0.177 χ^2/NDF : 5636.9/22

-1.017+/-0.124 χ^2/NDF : 75344.2/47

-31.966+/-0.174 χ^2/NDF : 5254.9/24

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 $\pm$ 0.018 χ^2/NDF : 995.7/16

Left Out: 0.305 $\pm$ 0.010 χ^2/NDF : 68.4/5

Right Out: 0.329 $\pm$ 0.018 χ^2/NDF : 1180.2/19

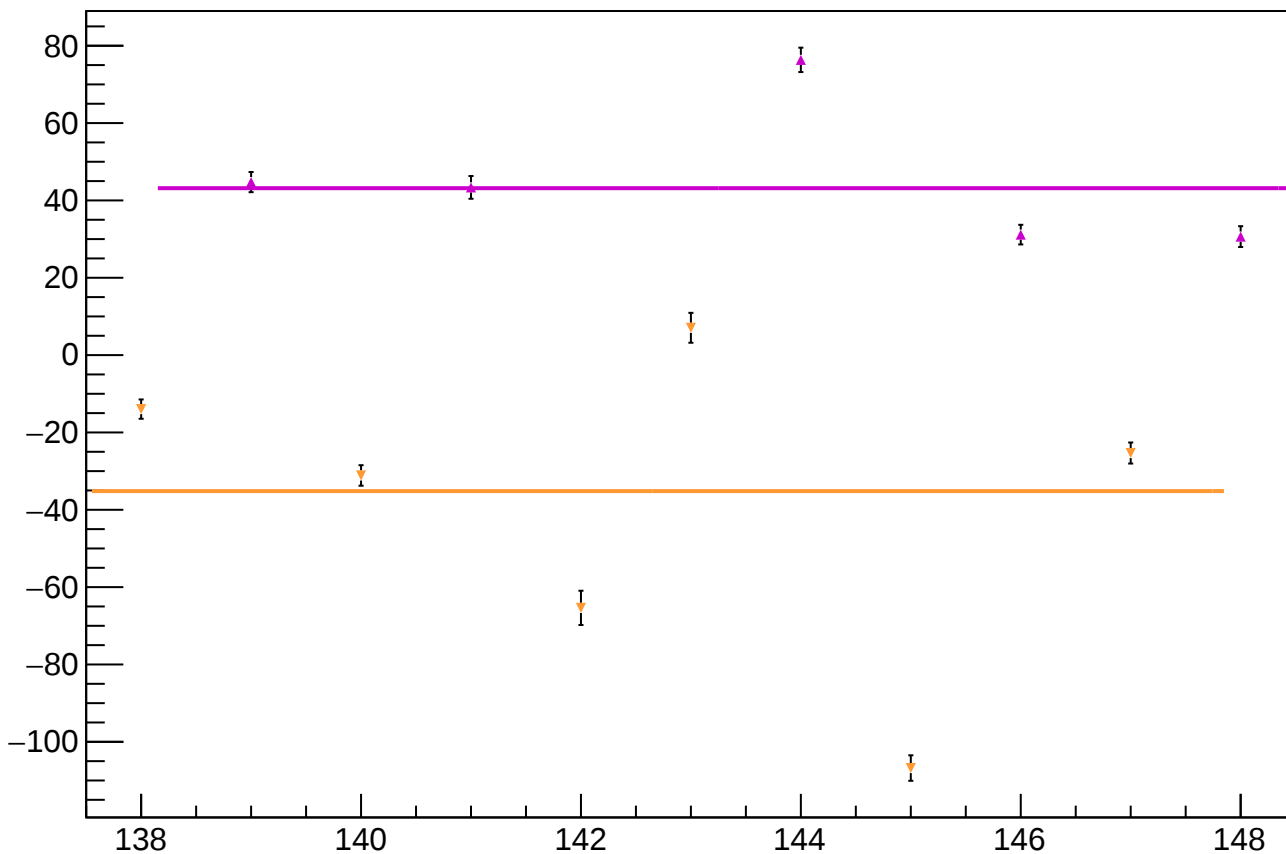
Left In: -0.230 $\pm$ 0.011 χ^2/NDF : 76.3/4

0.179 $\pm$ 0.009 χ^2/NDF : 1616.9/22

0.047 $\pm$ 0.006 χ^2/NDF : 4017.0/47

-0.089 $\pm$ 0.009 χ^2/NDF : 1964.3/24

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.164+/-1.243 χ^2/NDF : 725.4/5

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

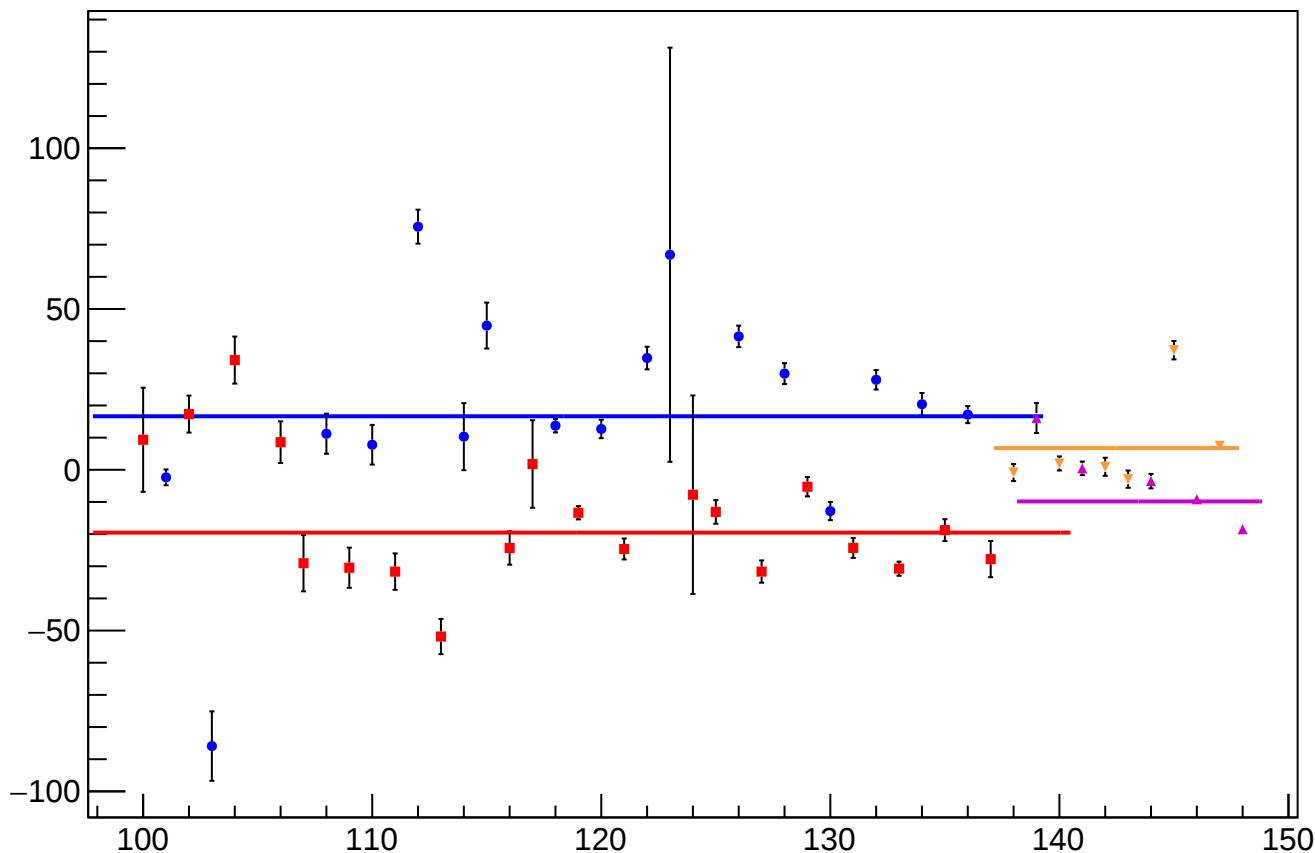
Left In: 43.165+/-1.234 χ^2/NDF : 155.2/4

-35.164+/-1.243 χ^2/NDF : 725.4/5

4.271+/-0.876 χ^2/NDF : 2881.4/10

43.165+/-1.234 χ^2/NDF : 155.2/4

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: 6.755 $\pm$ 0.865 χ^2 /NDF: 143.8/5

Right Out: -19.540 $\pm$ 0.894 χ^2 /NDF: 244.1/19

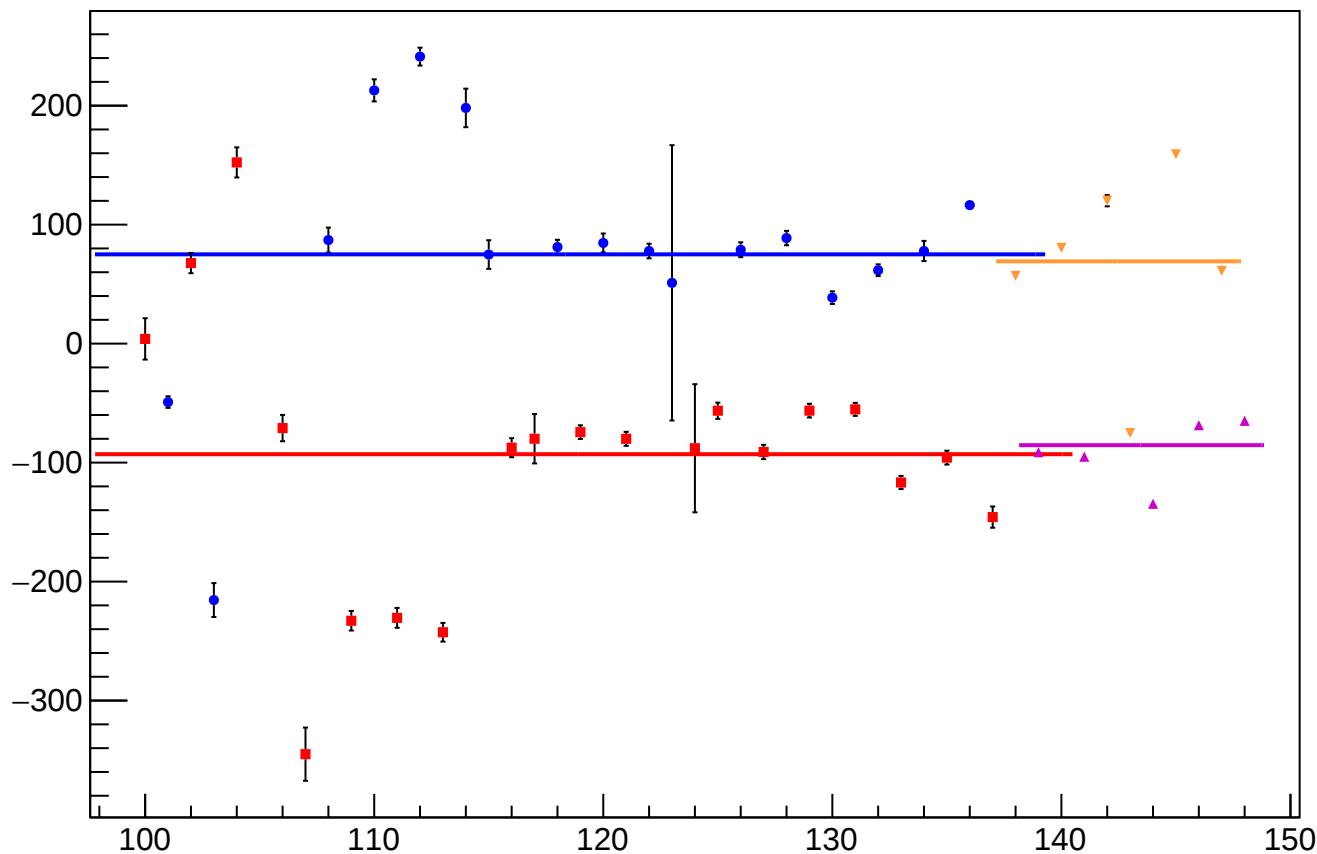
Left In: -9.843 $\pm$ 0.814 χ^2 /NDF: 106.6/4

11.735 $\pm$ 0.609 χ^2 /NDF: 728.5/22

-1.413 $\pm$ 0.428 χ^2 /NDF: 2062.8/47

-14.234 $\pm$ 0.602 χ^2 /NDF: 415.0/24

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 69.158 ± 1.285 χ^2/NDF : 2074.9/5

Right Out: -92.940 ± 1.706 χ^2/NDF : 2004.0/19

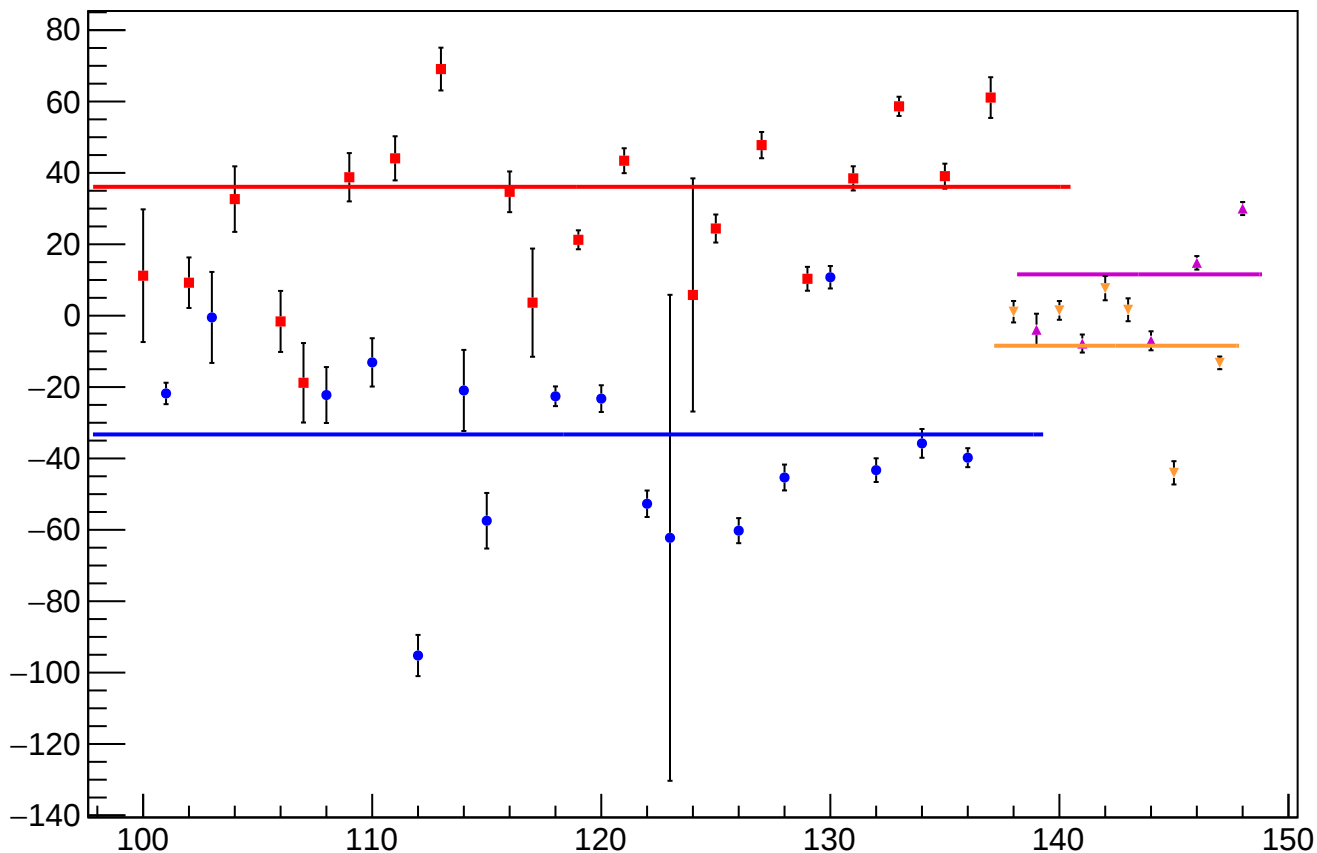
Left In: -85.346 ± 1.248 χ^2/NDF : 341.1/4

71.382 ± 1.013 χ^2/NDF : 4082.5/22

-8.795 ± 0.714 χ^2/NDF : 18887.6/47

-87.993 ± 1.007 χ^2/NDF : 2358.0/24

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272+/-0.982 χ^2/NDF : 489.4/16

Left Out: -8.420+/-1.085 χ^2/NDF : 183.3/5

Right Out: 36.103+/-1.022 χ^2/NDF : 302.3/19

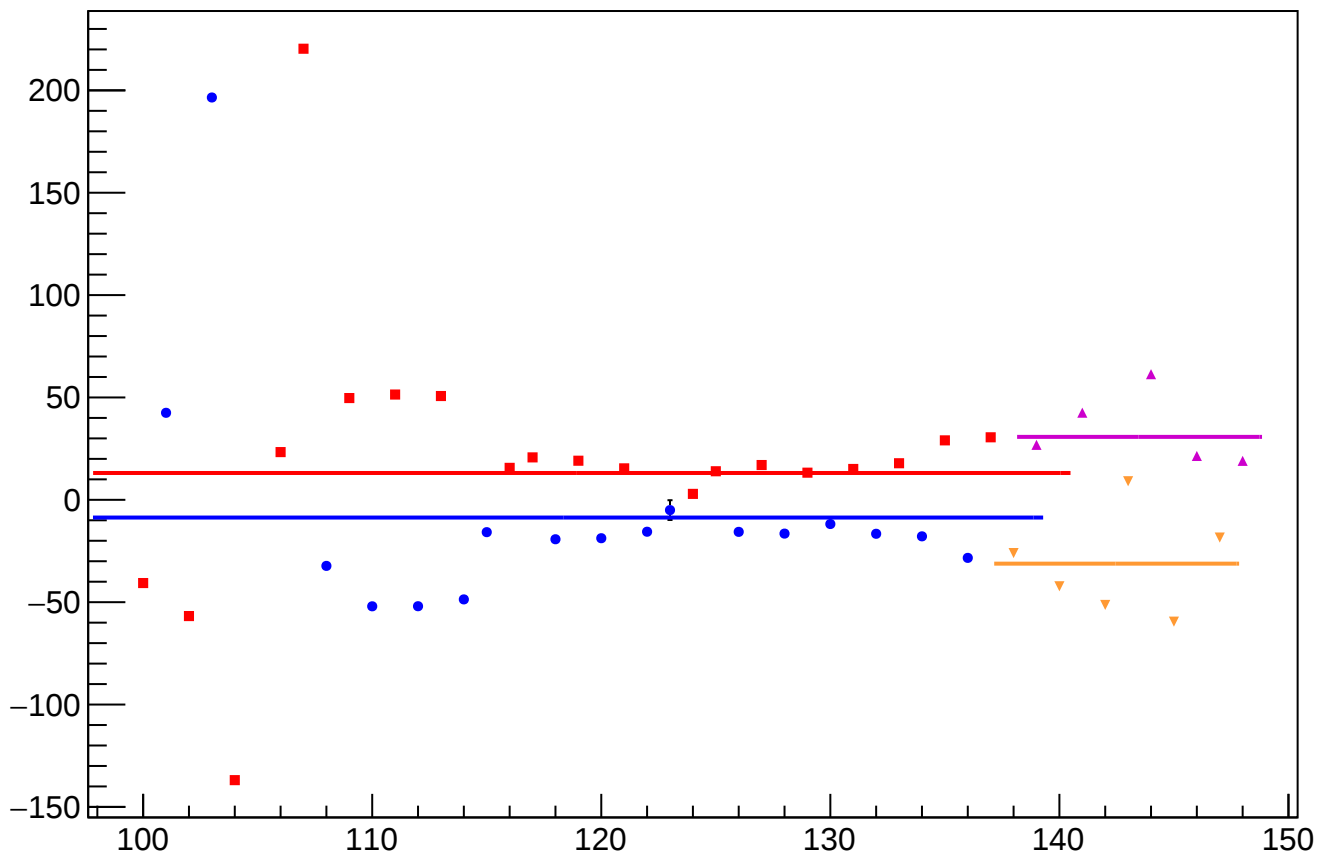
Left In: 11.575+/-1.040 χ^2/NDF : 224.3/4

-22.078+/-0.728 χ^2/NDF : 961.2/22

0.962+/-0.515 χ^2/NDF : 3776.5/47

24.060+/-0.729 χ^2/NDF : 809.5/24

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -31.178 ± 0.054 χ^2/NDF : 136558.0/5

Right Out: 13.109 ± 0.062 χ^2/NDF : 558383.6/19

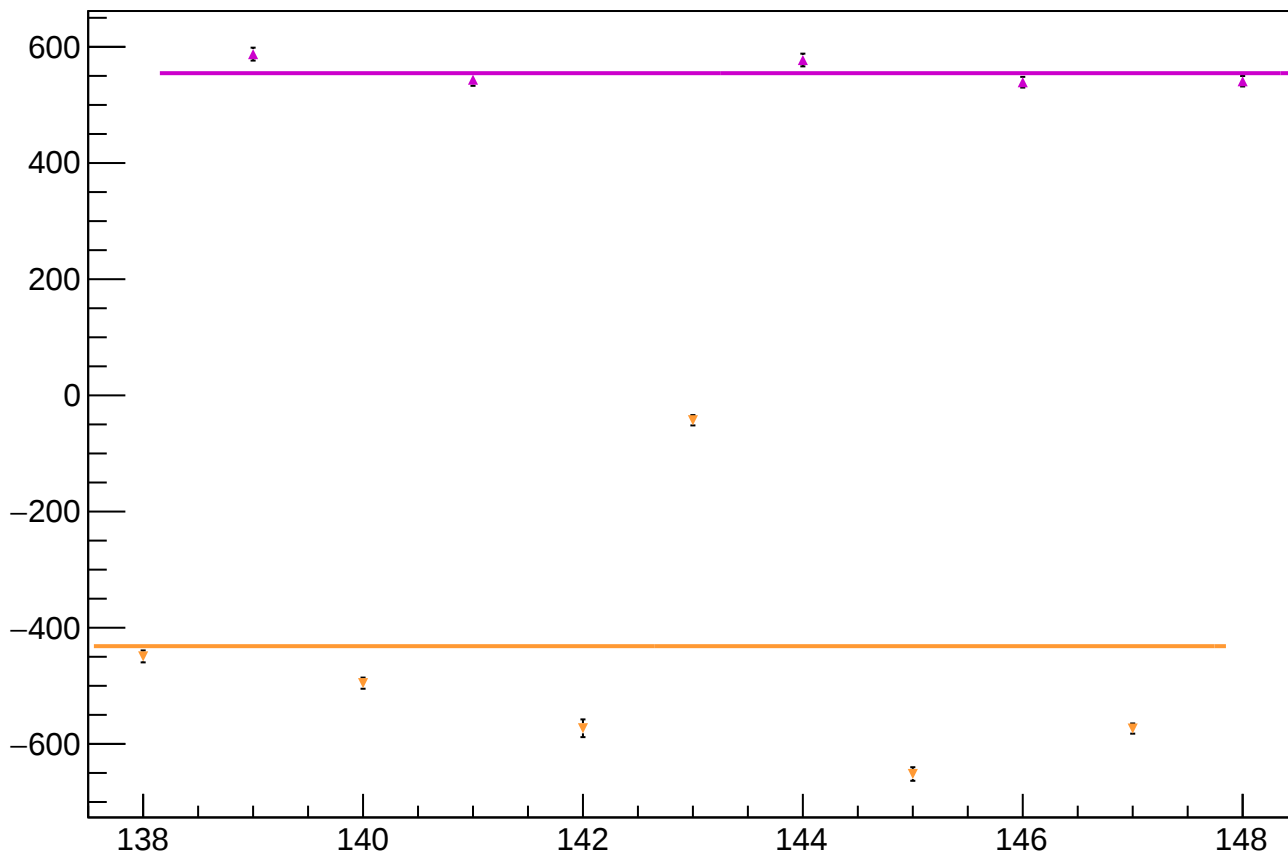
Left In: 30.747 ± 0.052 χ^2/NDF : 72061.4/4

-20.971 ± 0.040 χ^2/NDF : 791744.6/22

1.389 ± 0.028 χ^2/NDF : 2098880.0/47

23.499 ± 0.040 χ^2/NDF : 678587.5/24

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -431.741+/-4.171 χ^2/NDF : 2657.4/5

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

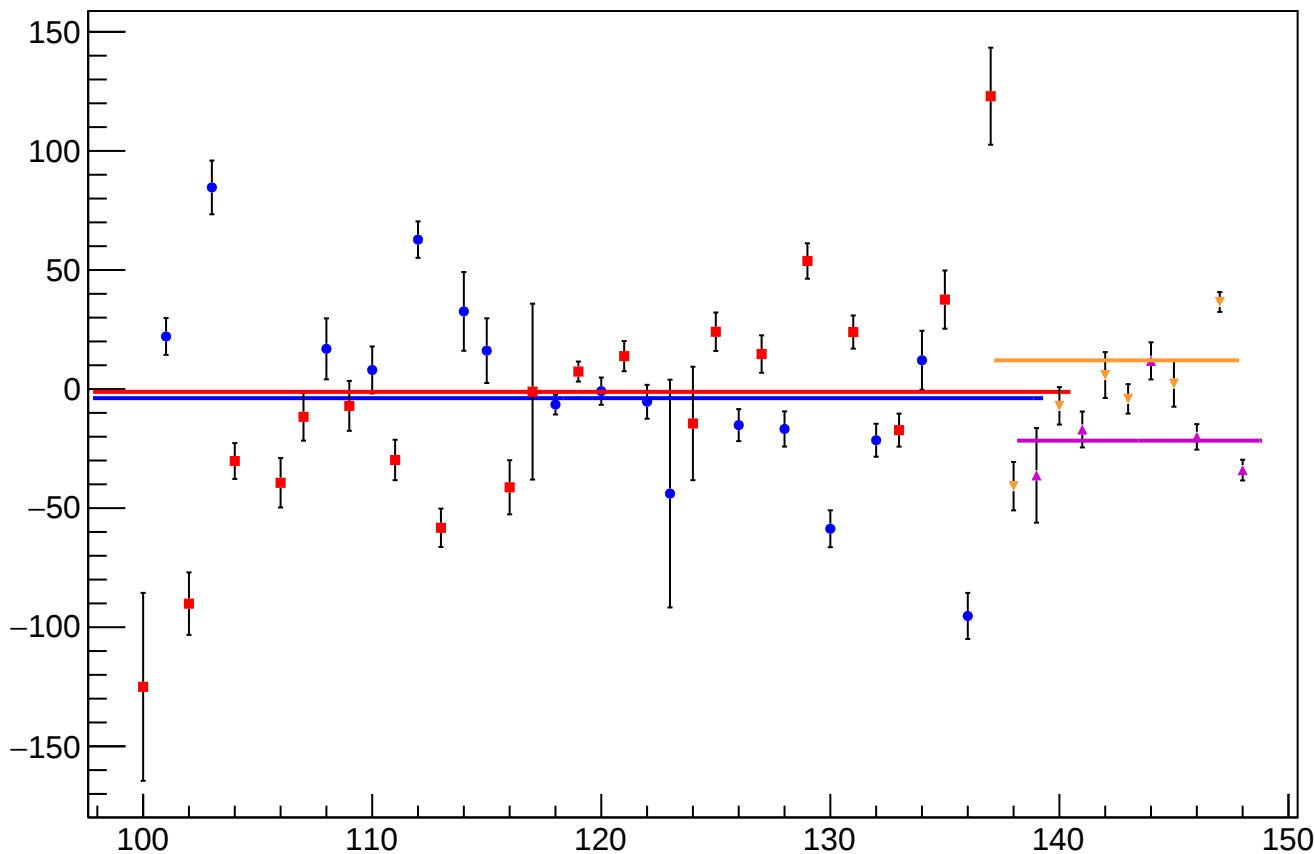
Left In: 554.679+/-4.495 χ^2/NDF : 19.3/4

-431.741+/-4.171 χ^2/NDF : 2657.4/5

24.672+/-3.057 χ^2/NDF : 28557.6/10

554.679+/-4.495 χ^2/NDF : 19.3/4

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 12.069 ± 2.761 χ^2/NDF : 75.9/5

Right Out: -1.175 ± 1.911 χ^2/NDF : 303.9/19

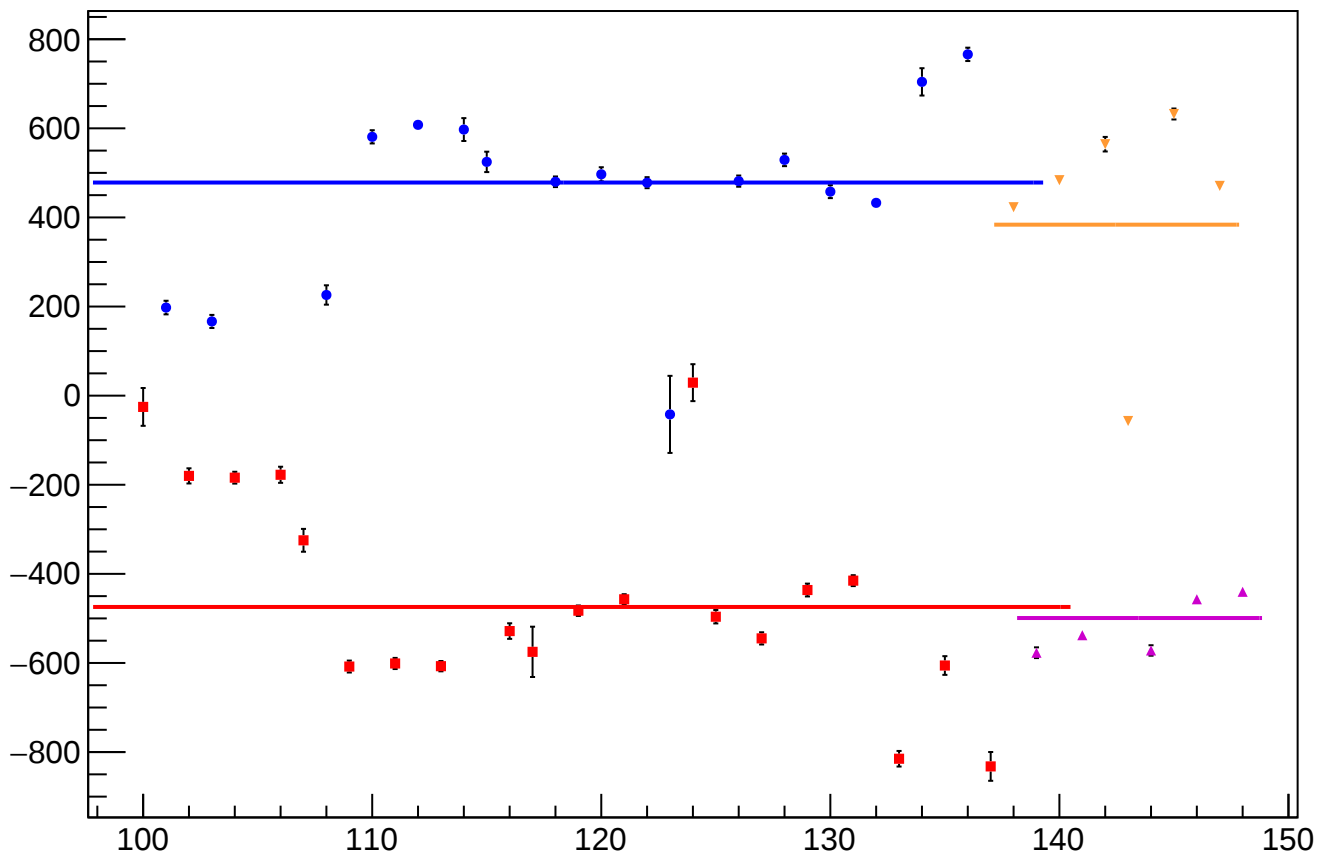
Left In: -21.658 ± 2.838 χ^2/NDF : 27.5/4

1.372 ± 1.578 χ^2/NDF : 412.5/22

-3.077 ± 1.118 χ^2/NDF : 795.7/47

-7.567 ± 1.585 χ^2/NDF : 367.3/24

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 ± 3.662 χ^2/NDF : 1628.8/16

Left Out: 383.759 ± 4.307 χ^2/NDF : 2902.2/5

Right Out: -474.296 ± 3.524 χ^2/NDF : 2288.2/19

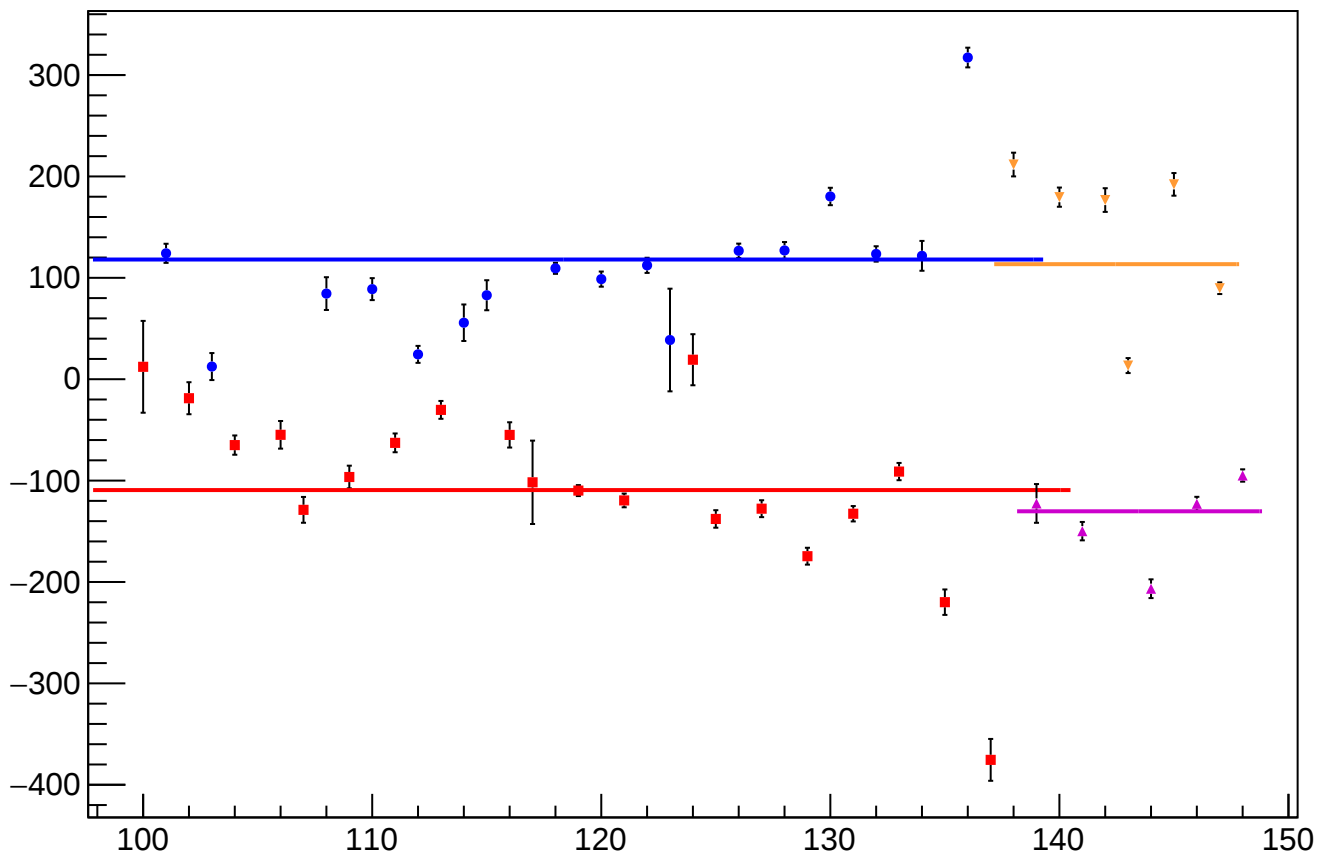
Left In: -499.120 ± 4.515 χ^2/NDF : 163.9/4

438.649 ± 2.790 χ^2/NDF : 4810.9/22

-24.478 ± 1.969 χ^2/NDF : 62162.7/47

-483.694 ± 2.778 χ^2/NDF : 2470.8/24

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 113.467 ± 3.483 $\chi^2/\text{NDF}: 398.2/5$

Right Out: -109.345 ± 2.202 $\chi^2/\text{NDF}: 569.8/19$

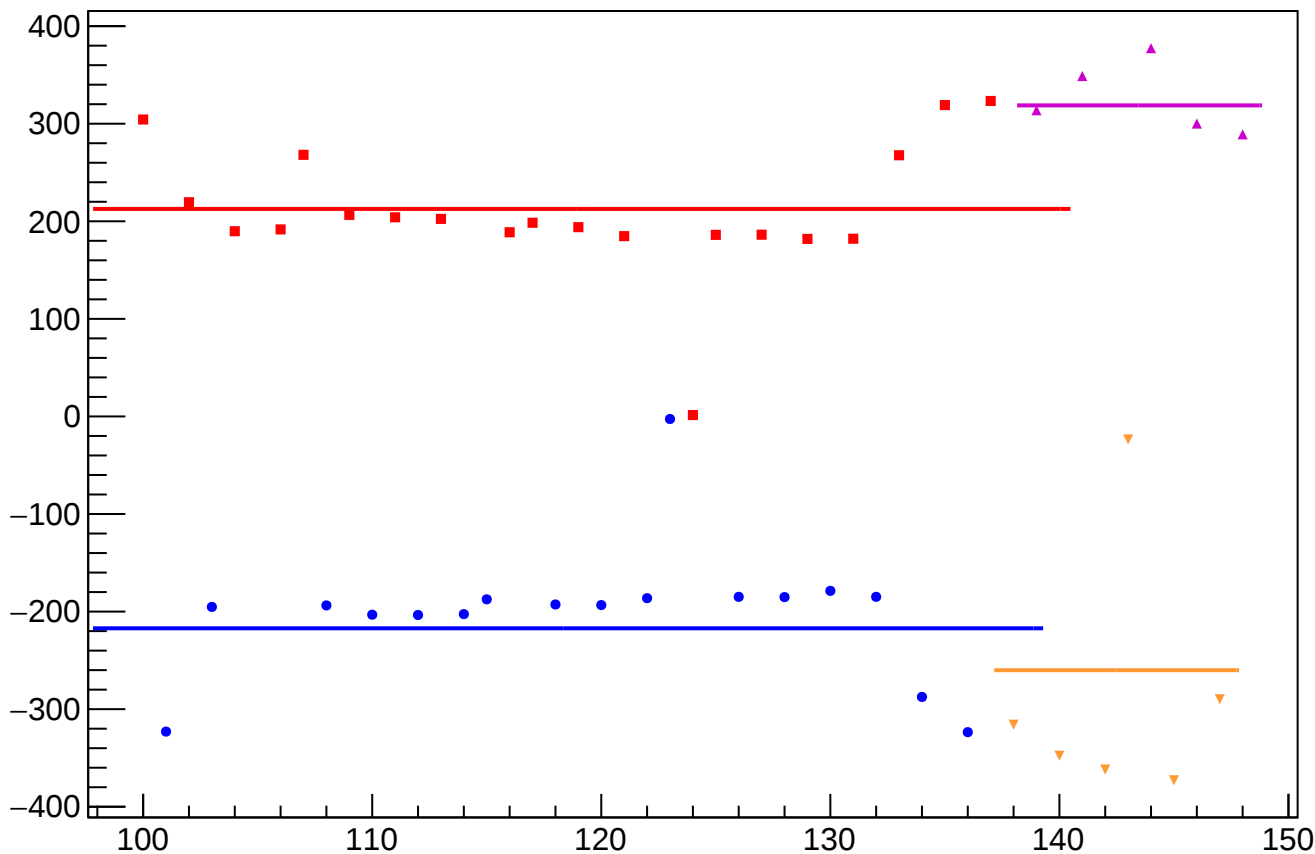
Left In: -130.276 ± 3.657 $\chi^2/\text{NDF}: 107.7/4$

116.725 ± 1.875 $\chi^2/\text{NDF}: 1104.7/22$

1.585 ± 1.330 $\chi^2/\text{NDF}: 9390.5/47$

-114.912 ± 1.886 $\chi^2/\text{NDF}: 701.6/24$

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -260.070+/-0.182 χ^2/NDF : 525468.0/5

Right Out: 212.679+/-0.130 χ^2/NDF : 115596.4/19

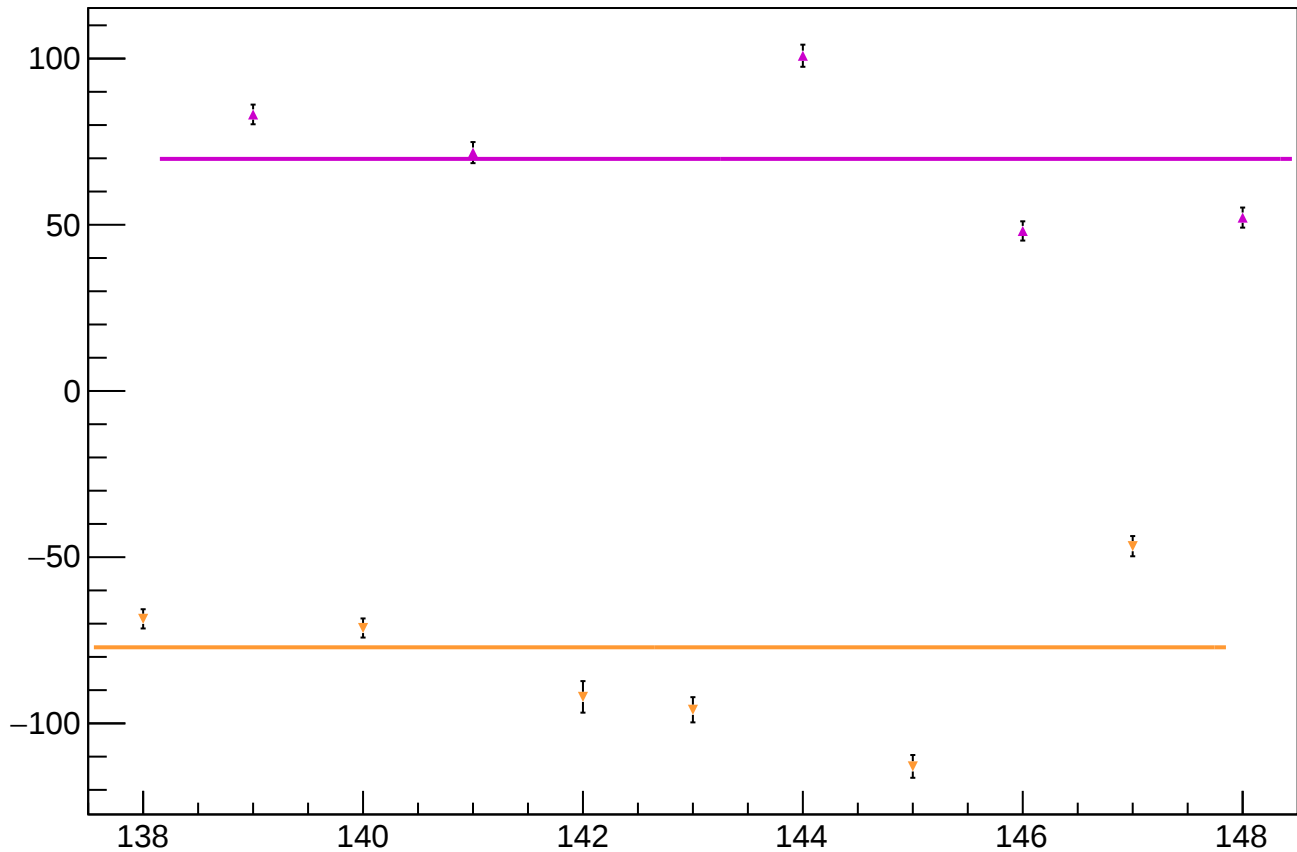
Left In: 318.784+/-0.189 χ^2/NDF : 26451.9/4

-232.620+/-0.109 χ^2/NDF : 707718.6/22

11.561+/-0.076 χ^2/NDF : 10881424.9/47

246.717+/-0.107 χ^2/NDF : 355711.0/24

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -77.111+/-1.351 χ^2/NDF : 256.6/5

-77.111+/-1.351 χ^2/NDF : 256.6/5

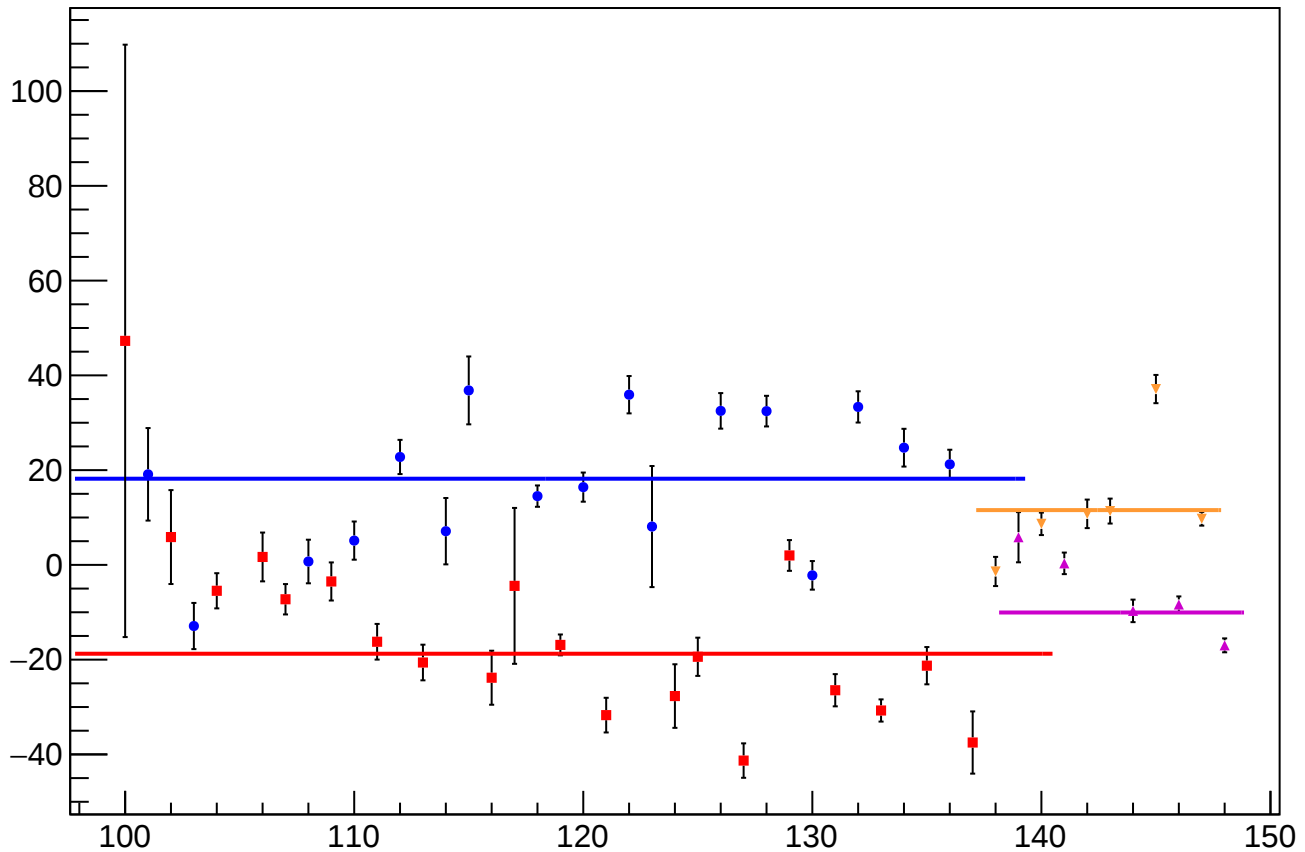
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-4.664+/-0.962 χ^2/NDF : 6285.7/10

Left In: 69.822+/-1.370 χ^2/NDF : 198.0/4

69.822+/-1.370 χ^2/NDF : 198.0/4

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: 11.562 $\pm$ 0.941 χ^2/NDF : 94.3/5

Right Out: -18.752 $\pm$ 0.862 χ^2/NDF : 199.5/19

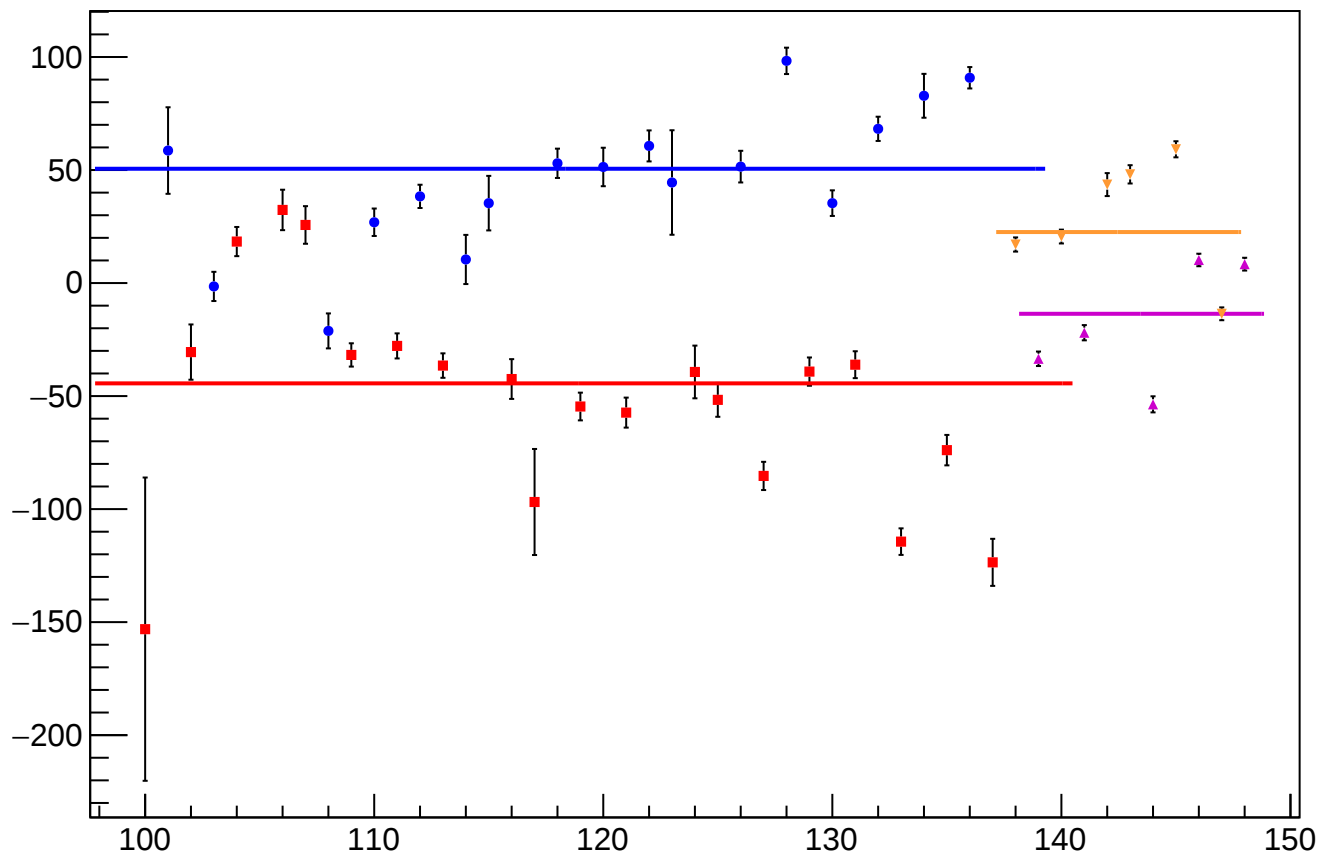
Left In: -10.050 $\pm$ 0.908 χ^2/NDF : 53.1/4

14.959 $\pm$ 0.657 χ^2/NDF : 324.6/22

-0.568 $\pm$ 0.453 χ^2/NDF : 1690.6/47

-14.630 $\pm$ 0.625 χ^2/NDF : 300.9/24

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: 22.564+/-1.399 χ^2/NDF : 328.4/5

Right Out: -44.377+/-1.599 χ^2/NDF : 537.6/19

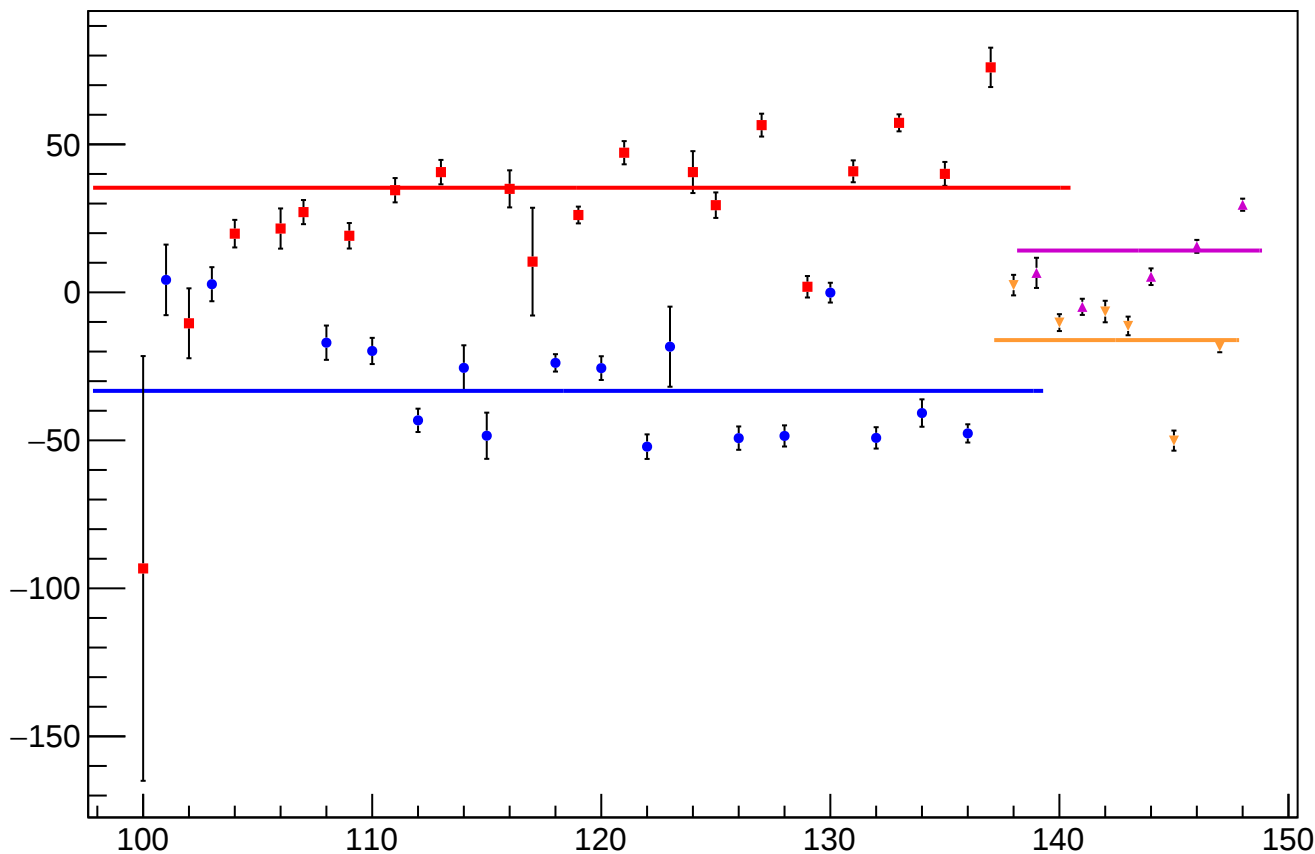
Left In: -13.600+/-1.388 χ^2/NDF : 305.4/4

34.048+/-1.074 χ^2/NDF : 850.6/22

2.859+/-0.750 χ^2/NDF : 3549.9/47

-26.827+/-1.048 χ^2/NDF : 1054.3/24

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.128 ± 1.177 χ^2/NDF : 143.4/5

Right Out: 35.343 ± 0.990 χ^2/NDF : 291.6/19

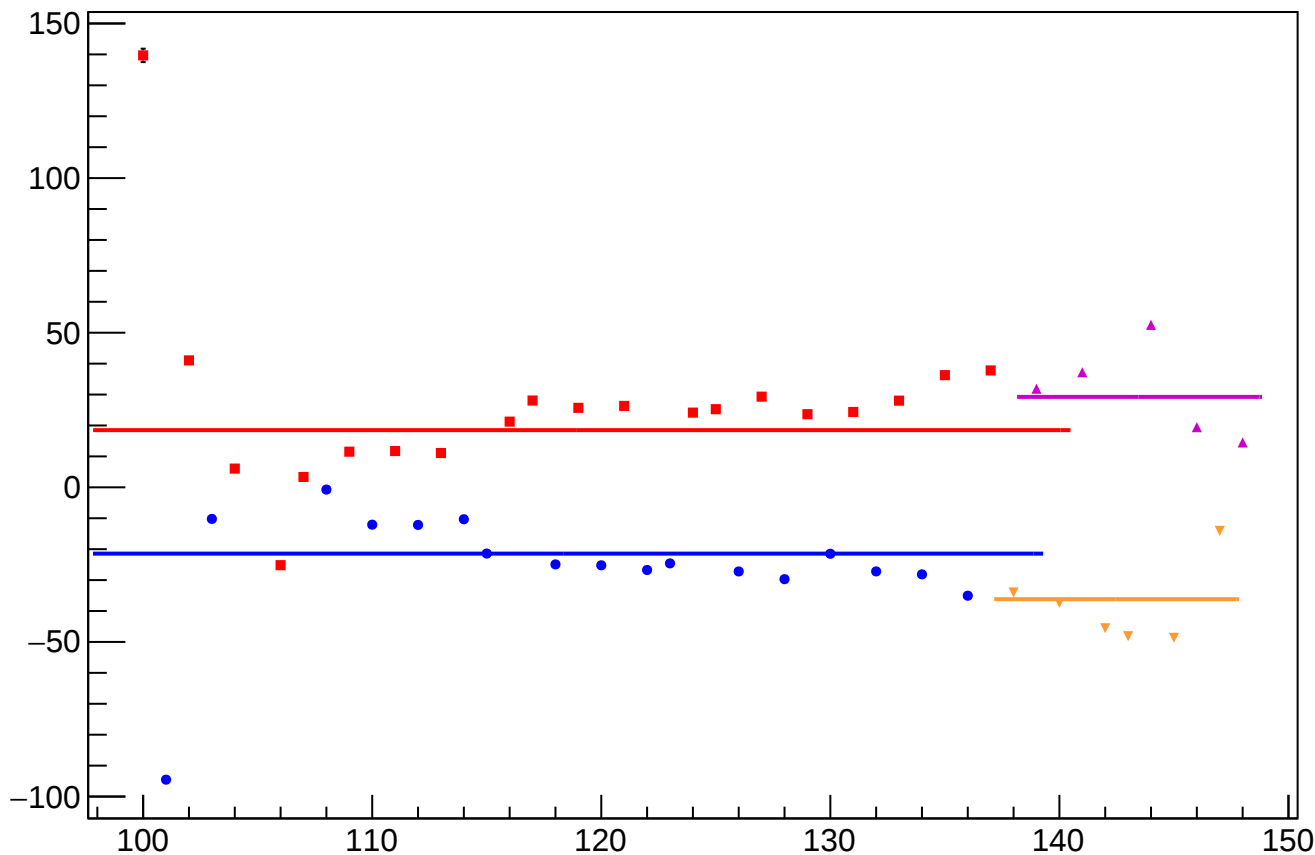
Left In: 14.130 ± 1.157 χ^2/NDF : 117.9/4

-25.731 ± 0.781 χ^2/NDF : 552.4/22

1.294 ± 0.542 χ^2/NDF : 3466.2/47

26.381 ± 0.752 χ^2/NDF : 603.5/24

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442+/-0.059 χ^2/NDF : 48968.5/16

Left Out: -36.167+/-0.059 χ^2/NDF : 43266.7/5

Right Out: 18.490+/-0.057 χ^2/NDF : 80549.5/19

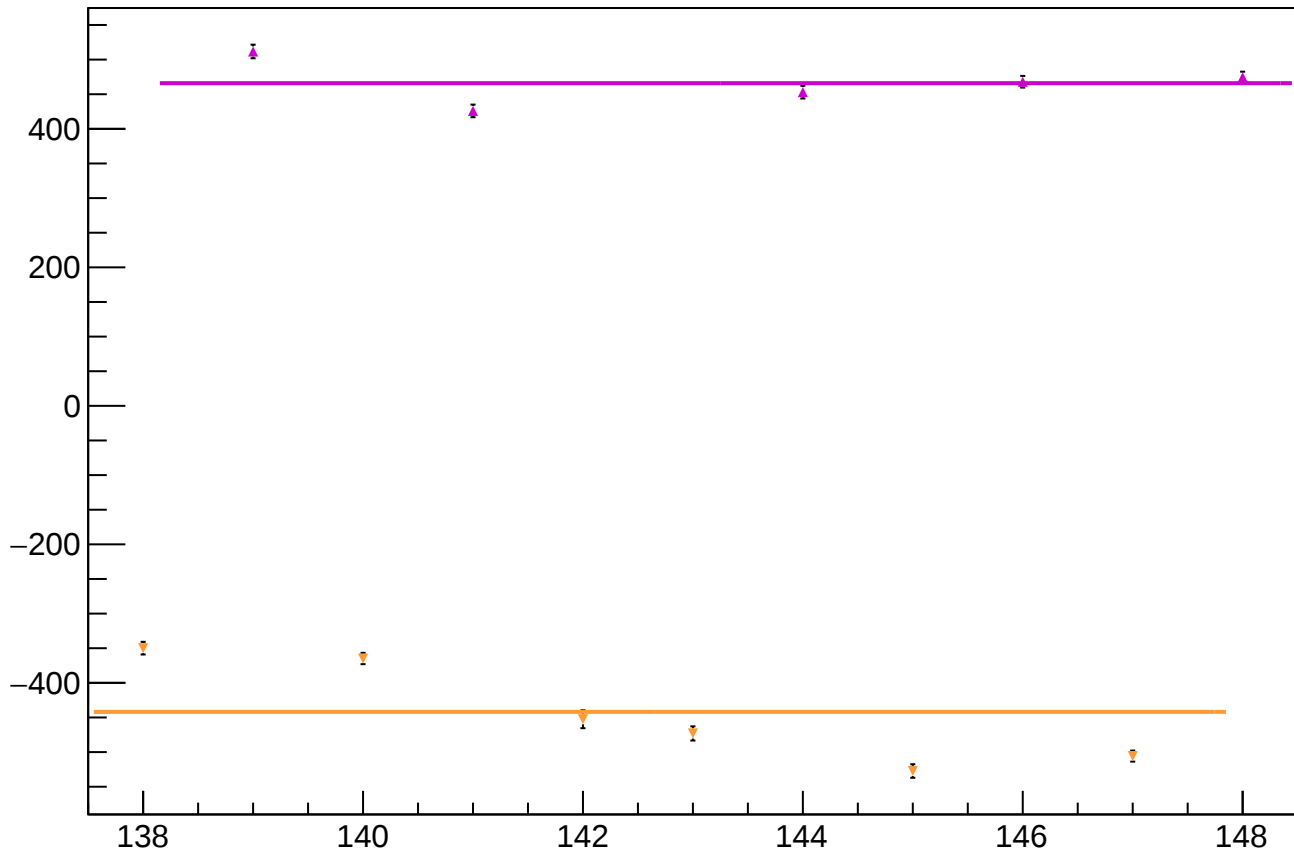
Left In: 29.245+/-0.057 χ^2/NDF : 47062.9/4

-28.856+/-0.042 χ^2/NDF : 123691.5/22

-1.882+/-0.029 χ^2/NDF : 1094110.2/47

23.862+/-0.041 χ^2/NDF : 145196.5/24

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -441.882+/-3.825 χ^2/NDF : 339.0/5

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

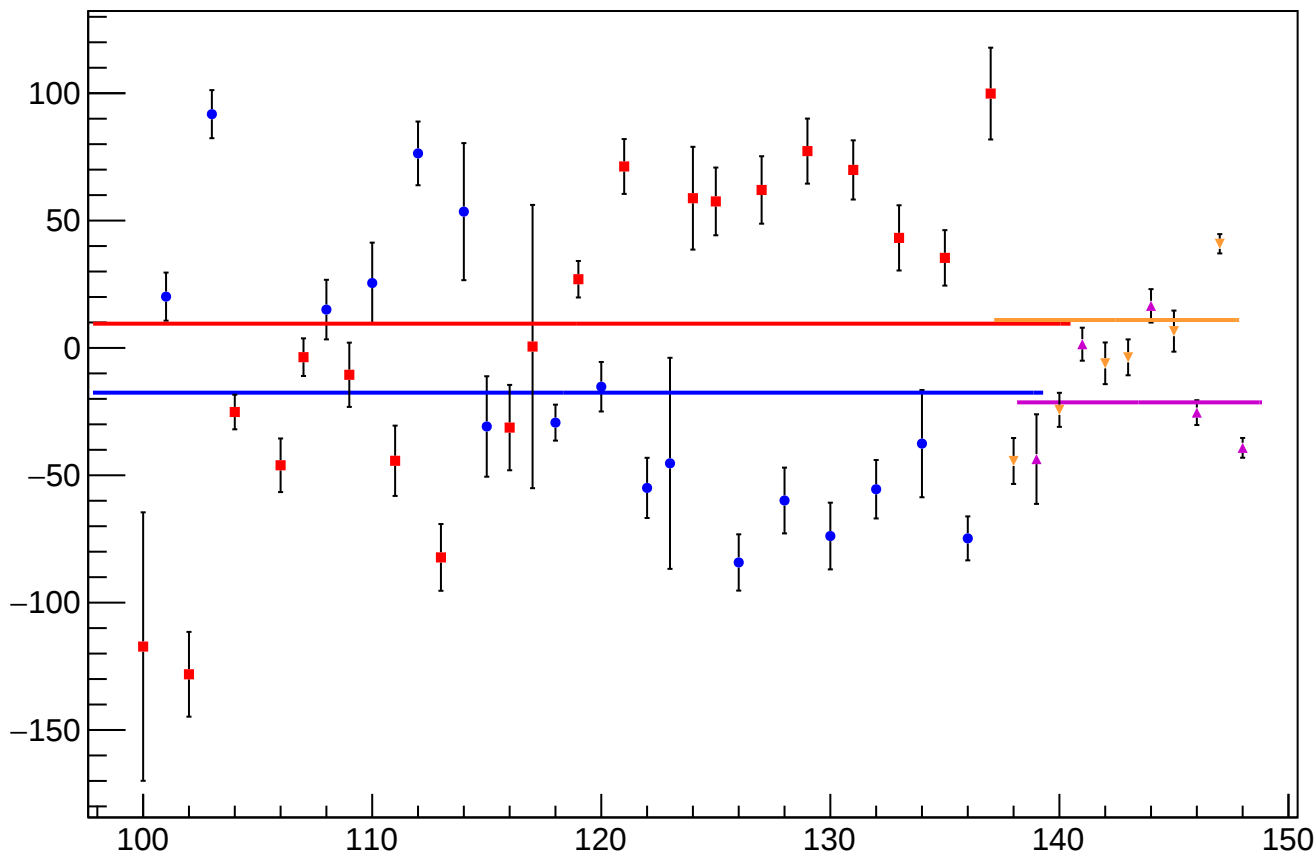
Left In: 465.972+/-3.954 χ^2/NDF : 44.3/4

-441.882+/-3.825 χ^2/NDF : 339.0/5

-3.112+/-2.749 χ^2/NDF : 27615.8/10

465.972+/-3.954 χ^2/NDF : 44.3/4

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 10.959 ± 2.542 χ^2/NDF : 136.9/5

Right Out: 9.527 ± 2.606 χ^2/NDF : 370.3/19

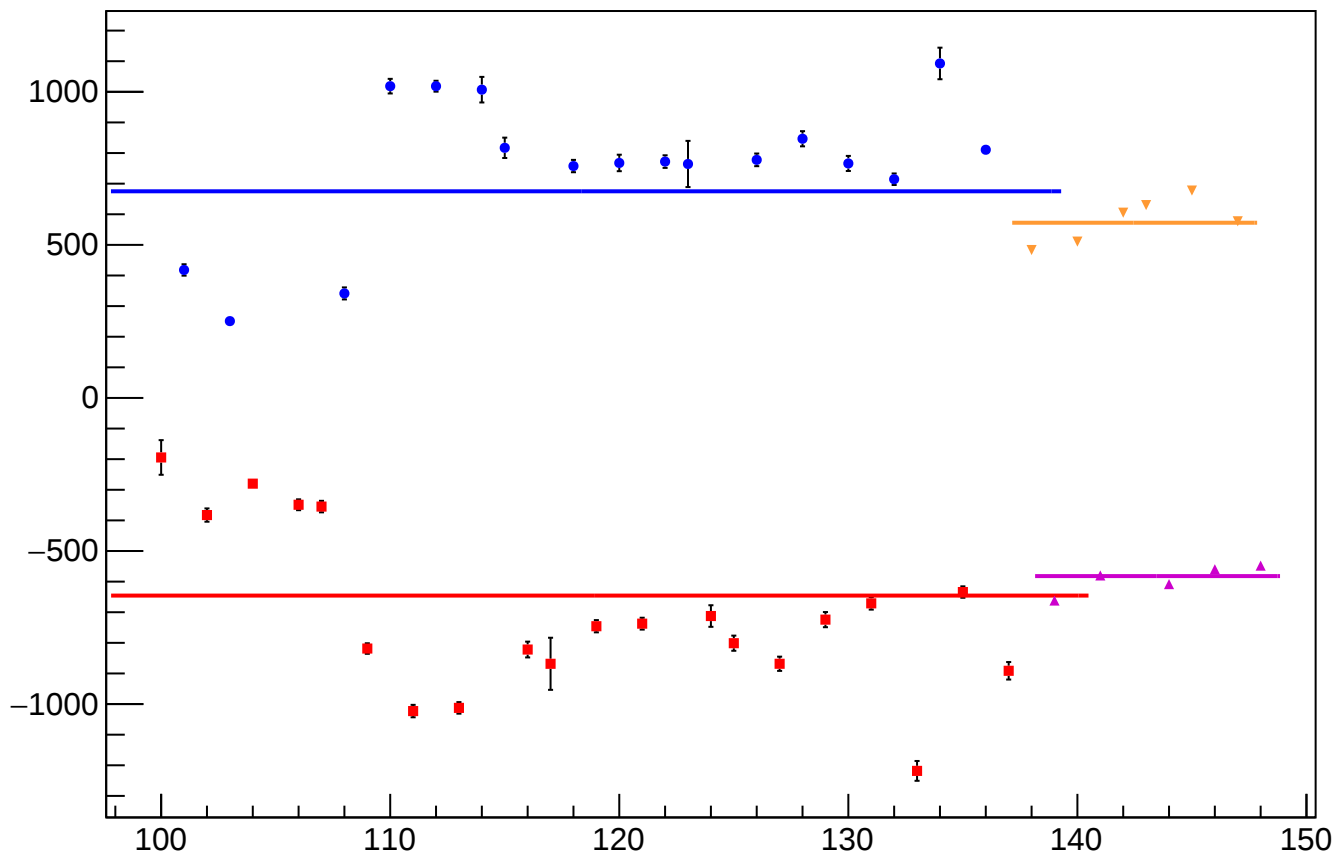
Left In: -21.372 ± 2.511 χ^2/NDF : 69.2/4

-1.824 ± 1.888 χ^2/NDF : 557.1/22

-4.261 ± 1.306 χ^2/NDF : 1072.7/47

-6.496 ± 1.808 χ^2/NDF : 512.4/24

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: 572.354 $\pm$ 3.948 χ^2 /NDF: 267.7/5

Right Out: -645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

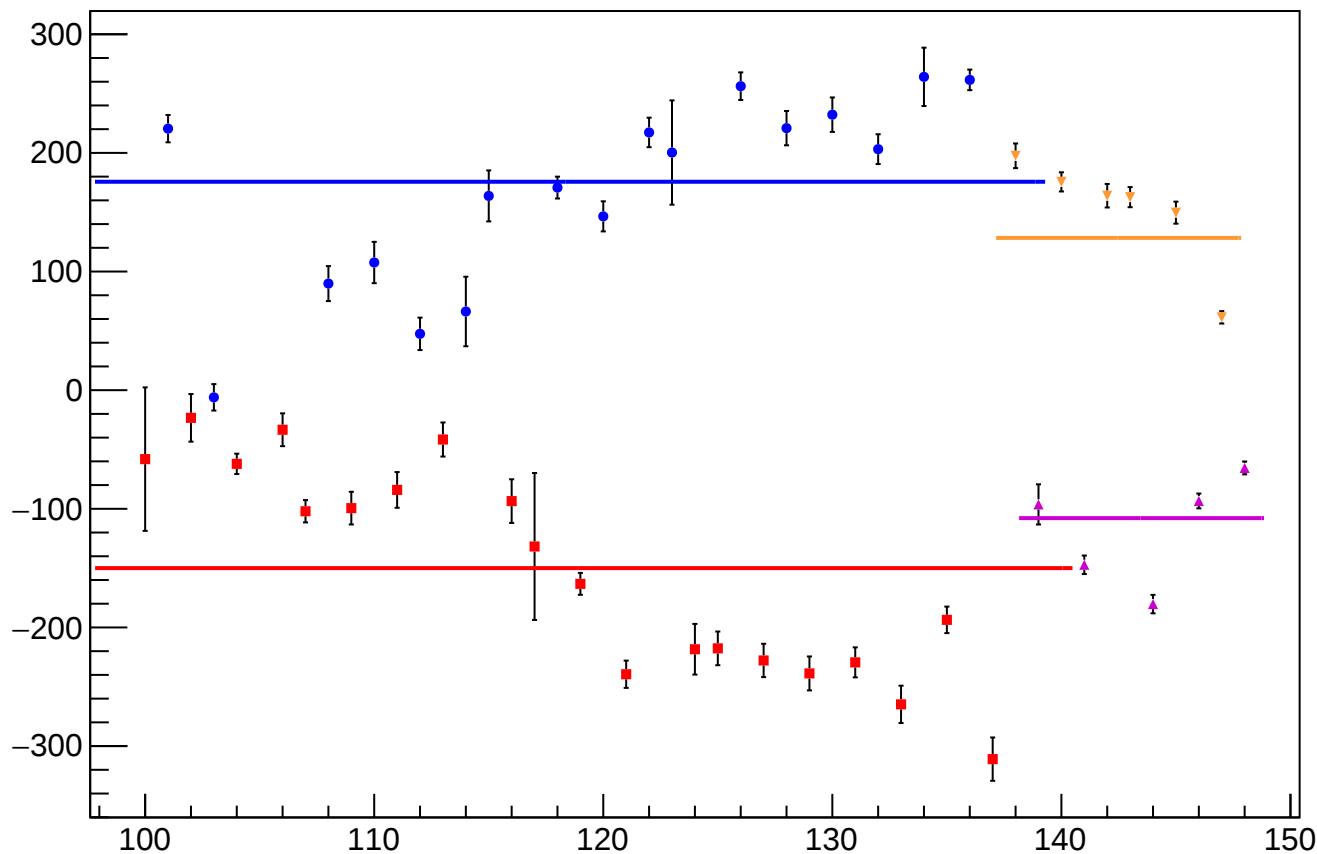
Left In: -581.946 $\pm$ 3.983 χ^2 /NDF: 91.9/4

611.144 $\pm$ 3.114 χ^2 /NDF: 3107.6/22

-10.666 $\pm$ 2.180 χ^2 /NDF: 84603.0/47

-608.206 $\pm$ 3.053 χ^2 /NDF: 3326.3/24

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 128.358 ± 3.212 χ^2/NDF : 277.4/5

Right Out: -149.973 ± 3.038 χ^2/NDF : 693.8/19

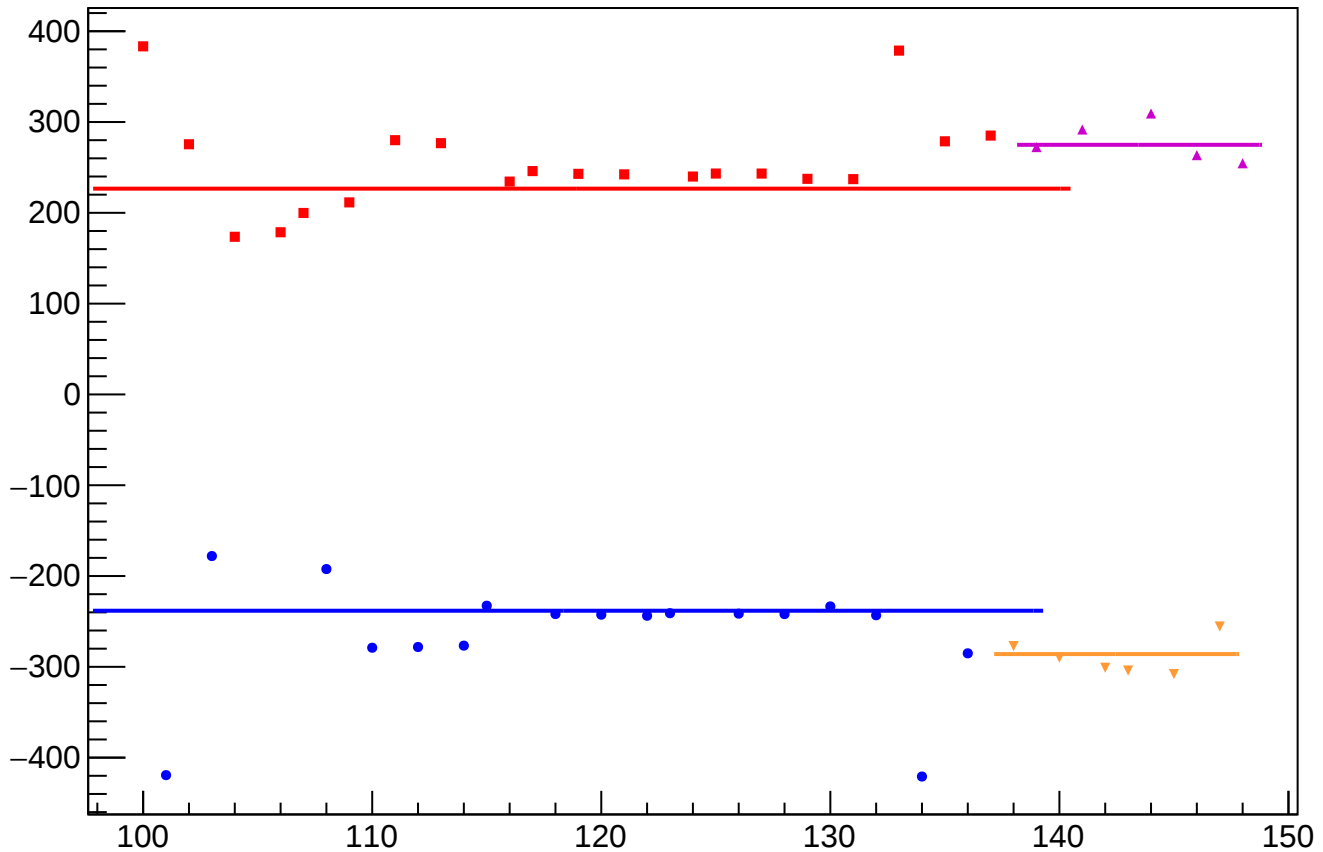
Left In: -107.851 ± 3.229 χ^2/NDF : 178.6/4

151.827 ± 2.281 χ^2/NDF : 1022.9/22

6.549 ± 1.588 χ^2/NDF : 9862.4/47

-130.189 ± 2.213 χ^2/NDF : 962.7/24

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -285.935+/-0.167 χ^2/NDF :13397.3/5

Right Out: 226.626+/-0.151 χ^2/NDF : 102587.0/19

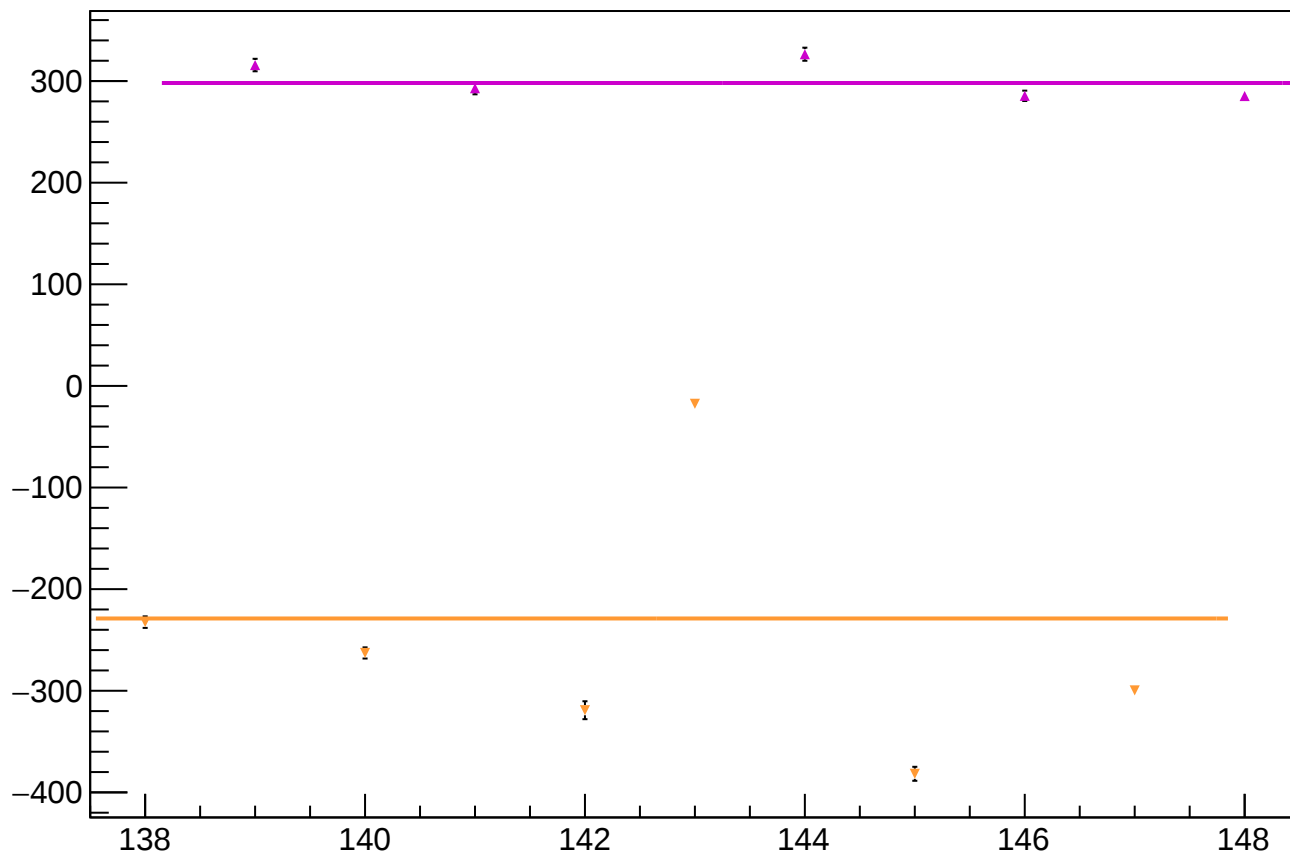
Left In: 274.891+/-0.167 χ^2/NDF :13252.7/4

-261.091+/-0.116 χ^2/NDF : 222911.7/22

2.183+/-0.080 χ^2/NDF : 10391415.1/47

248.396+/-0.112 χ^2/NDF : 161850.8/24

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -228.865+/-2.347 χ^2/NDF : 2673.4/5

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

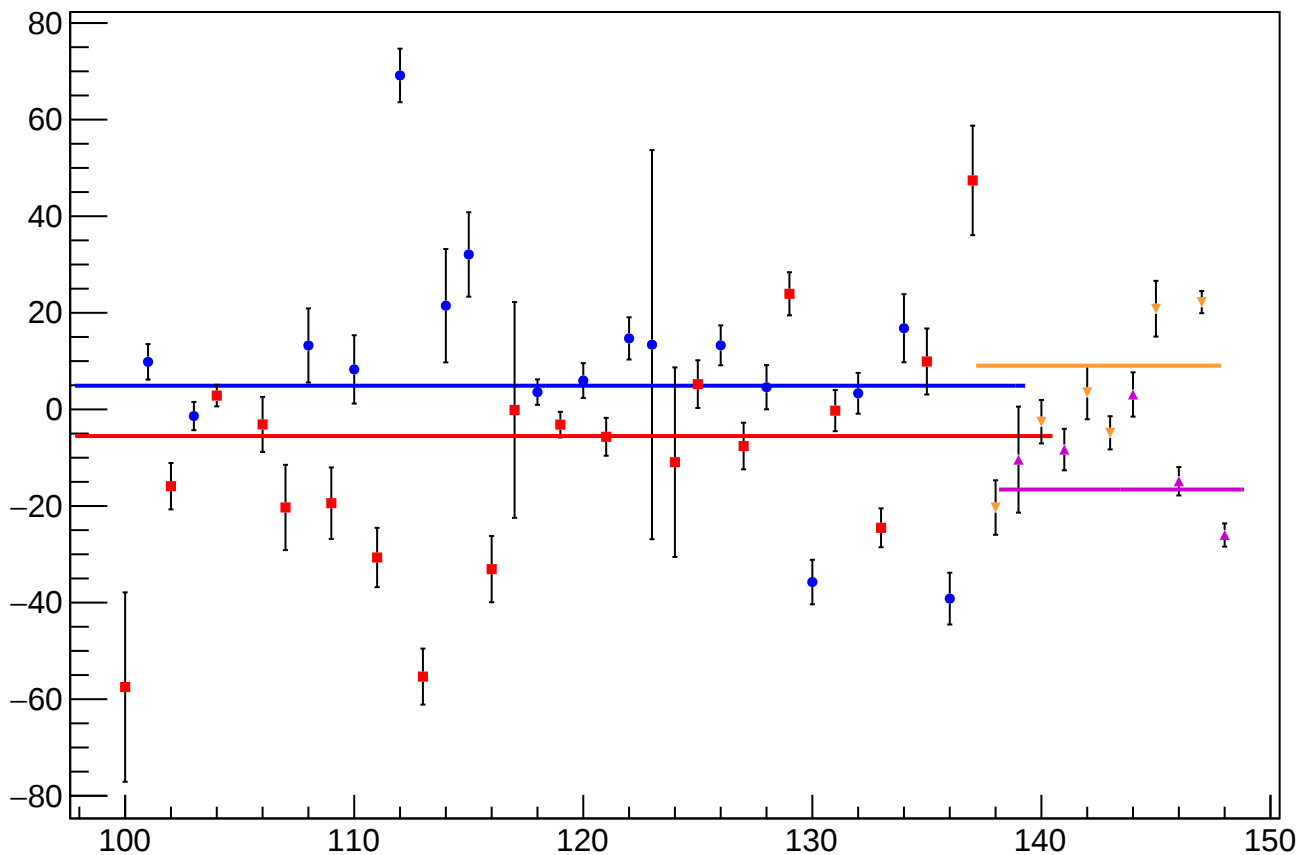
Left In: 298.095+/-2.520 χ^2/NDF : 41.2/4

-228.865+/-2.347 χ^2/NDF : 2673.4/5

15.909+/-1.717 χ^2/NDF : 26132.8/10

298.095+/-2.520 χ^2/NDF : 41.2/4

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 9.056 ± 1.548 χ^2/NDF : 88.1/5

Right Out: -5.517 ± 1.067 χ^2/NDF : 239.0/19

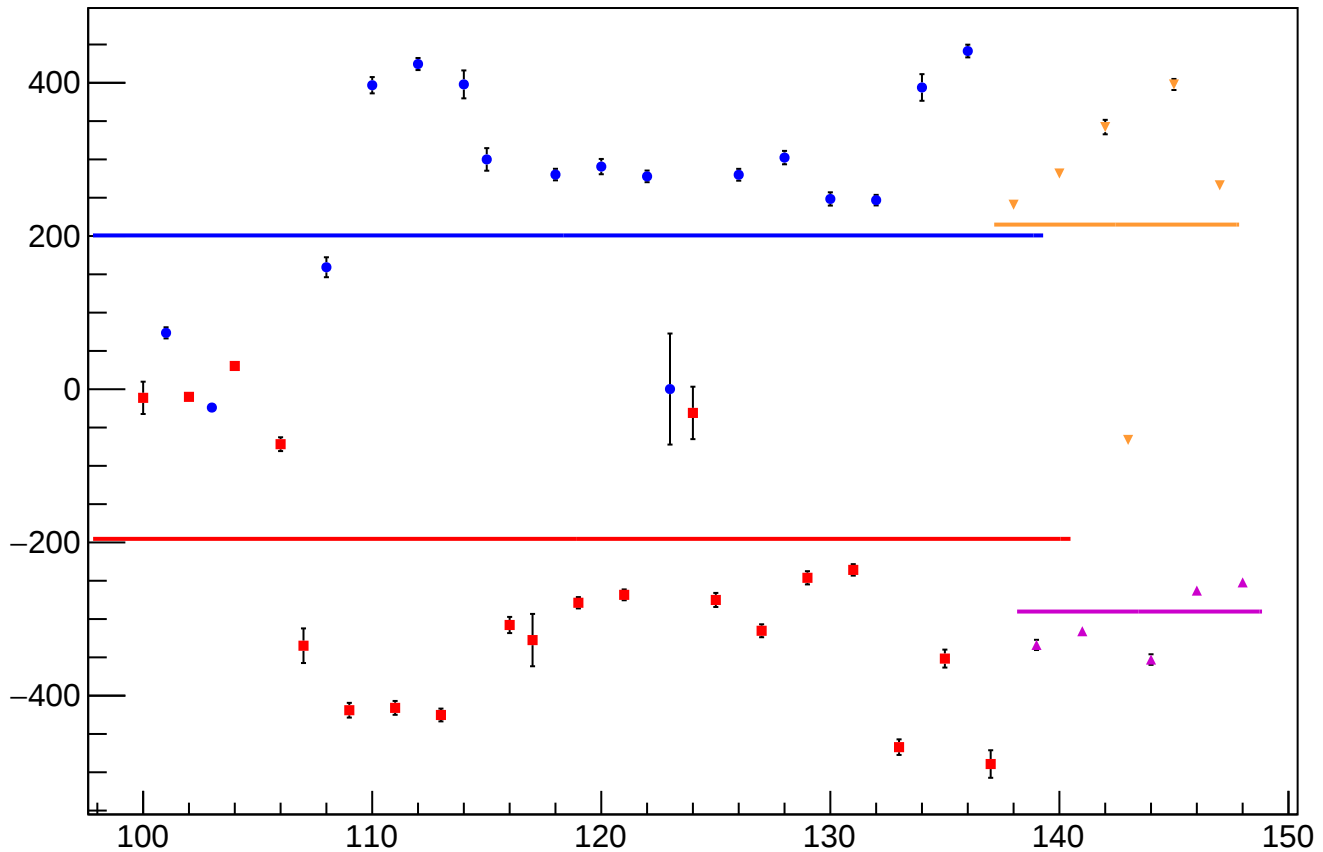
Left In: -16.588 ± 1.582 χ^2/NDF : 38.2/4

6.307 ± 0.900 χ^2/NDF : 404.6/22

-1.464 ± 0.631 χ^2/NDF : 862.2/47

-8.981 ± 0.885 χ^2/NDF : 310.8/24

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773+/-1.983 χ^2/NDF : 6733.0/16

Left Out: 214.919+/-2.420 χ^2/NDF : 3933.4/5

Right Out: -195.311+/-1.921 χ^2/NDF : 8262.1/19

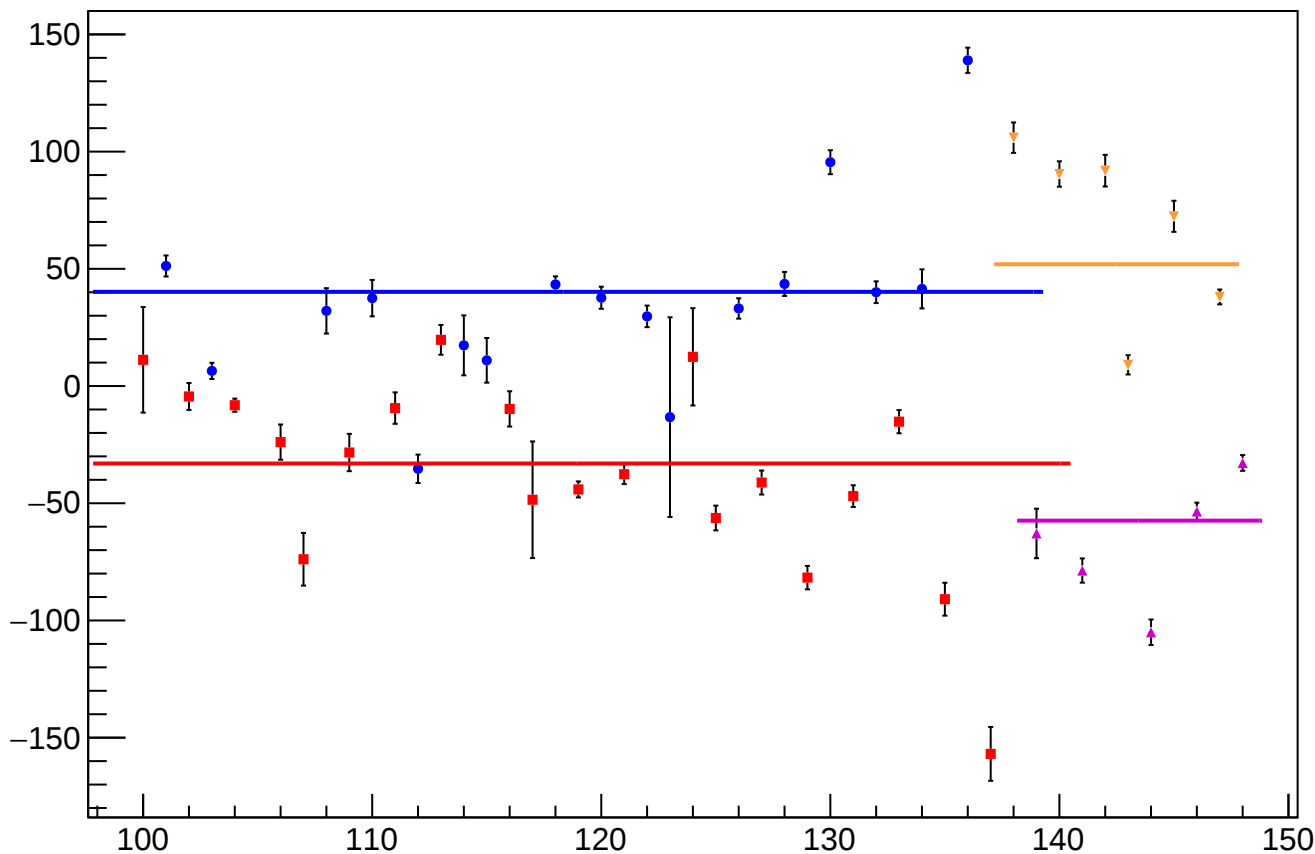
Left In: -290.199+/-2.526 χ^2/NDF : 240.5/4

206.456+/-1.534 χ^2/NDF : 10686.8/22

-12.508+/-1.083 χ^2/NDF : 60708.4/47

-230.073+/-1.529 χ^2/NDF : 9396.7/24

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: 51.948+/-1.955 χ^2/NDF : 292.7/5

Right Out: -33.045+/-1.249 χ^2/NDF : 553.1/19

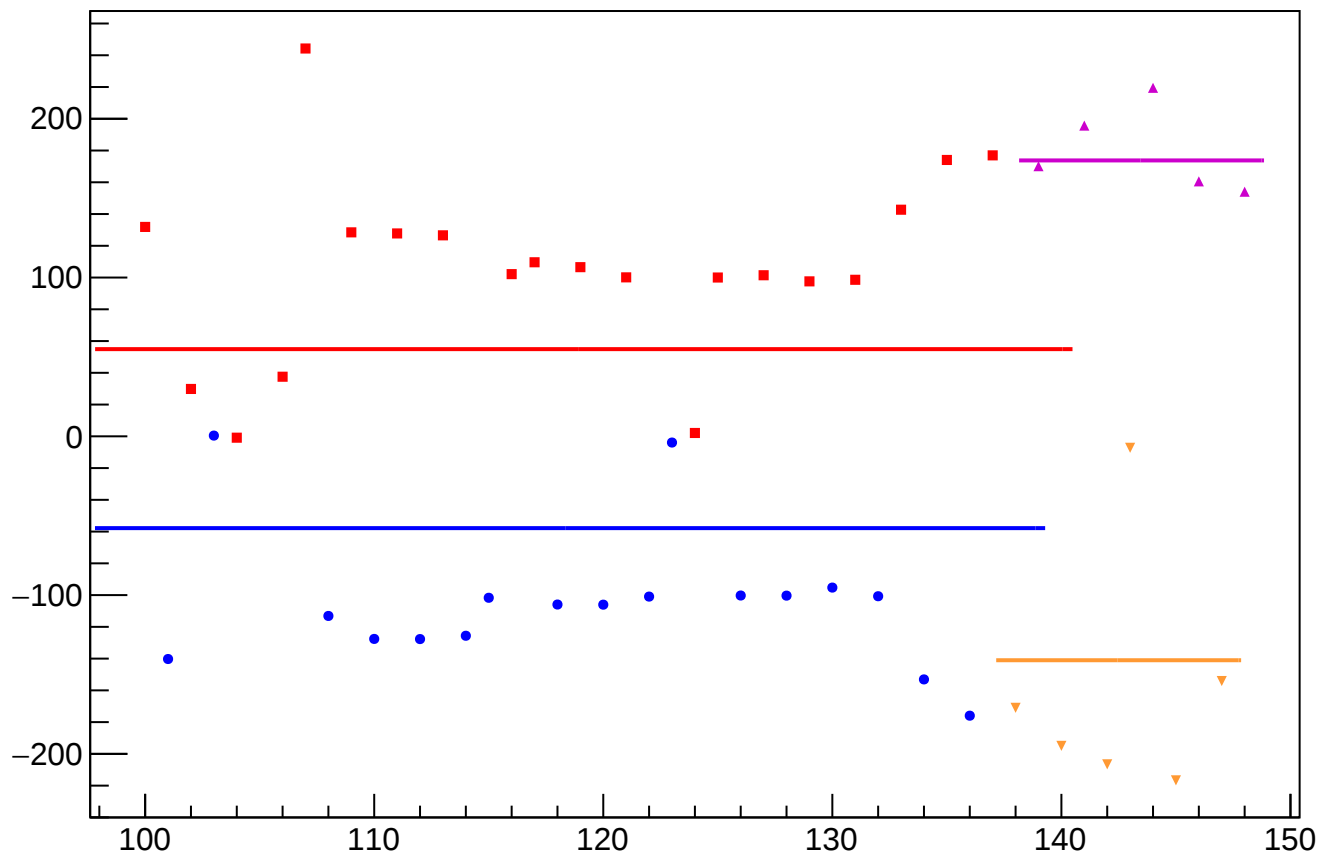
Left In: -57.410+/-2.044 χ^2/NDF : 148.6/4

43.726+/-1.073 χ^2/NDF : 1052.5/22

1.751+/-0.756 χ^2/NDF : 4899.0/47

-39.666+/-1.066 χ^2/NDF : 805.1/24

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821+/-0.062 χ^2/NDF : 1101296.2/16

Left Out: -141.027+/-0.102 χ^2/NDF : 564956.4/5

Right Out: 54.915+/-0.060 χ^2/NDF : 1001968.3/19

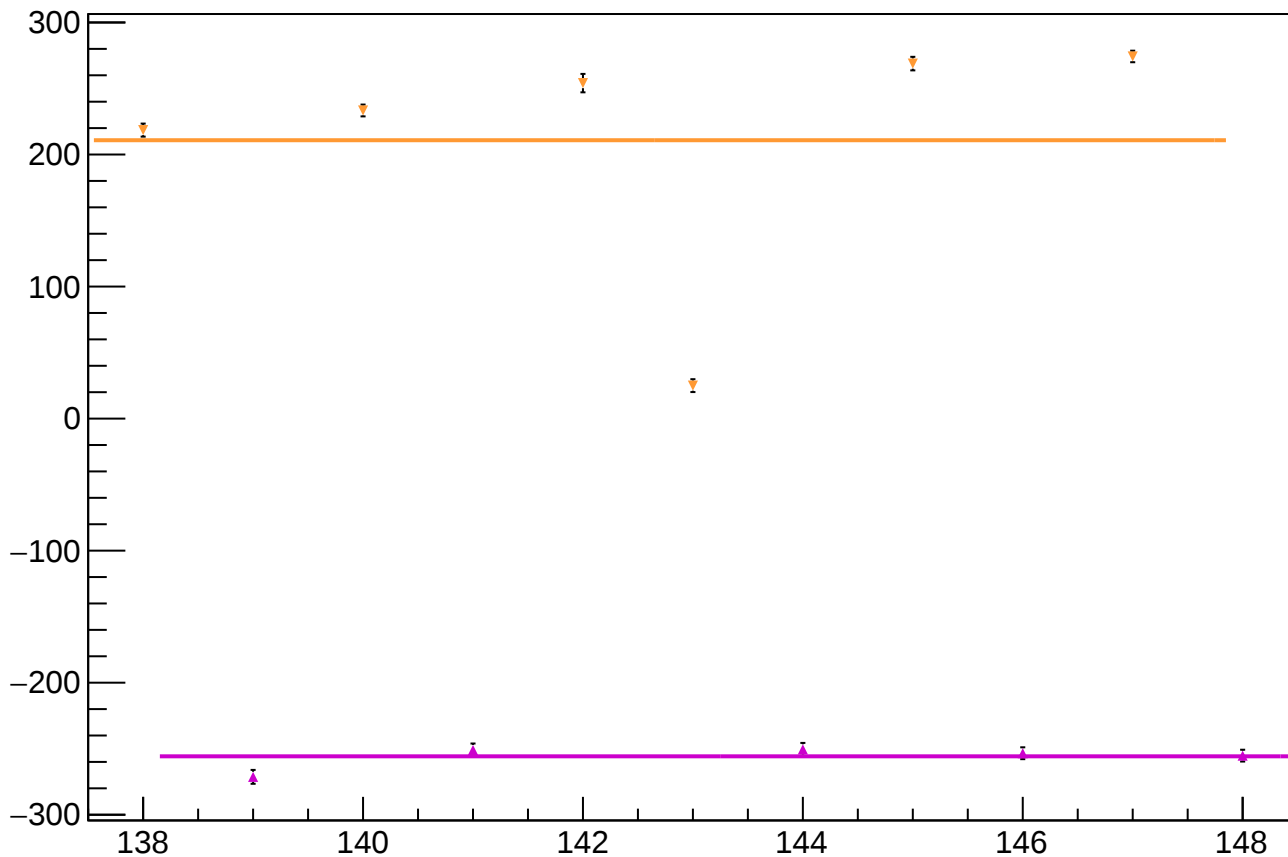
Left In: 173.764+/-0.106 χ^2/NDF : 43618.2/4

-80.097+/-0.053 χ^2/NDF : 2151749.2/22

2.820+/-0.037 χ^2/NDF : 9017571.7/47

83.984+/-0.052 χ^2/NDF : 1999288.2/24

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 210.823 ± 2.026 $\chi^2/\text{NDF}: 1860.0/5$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

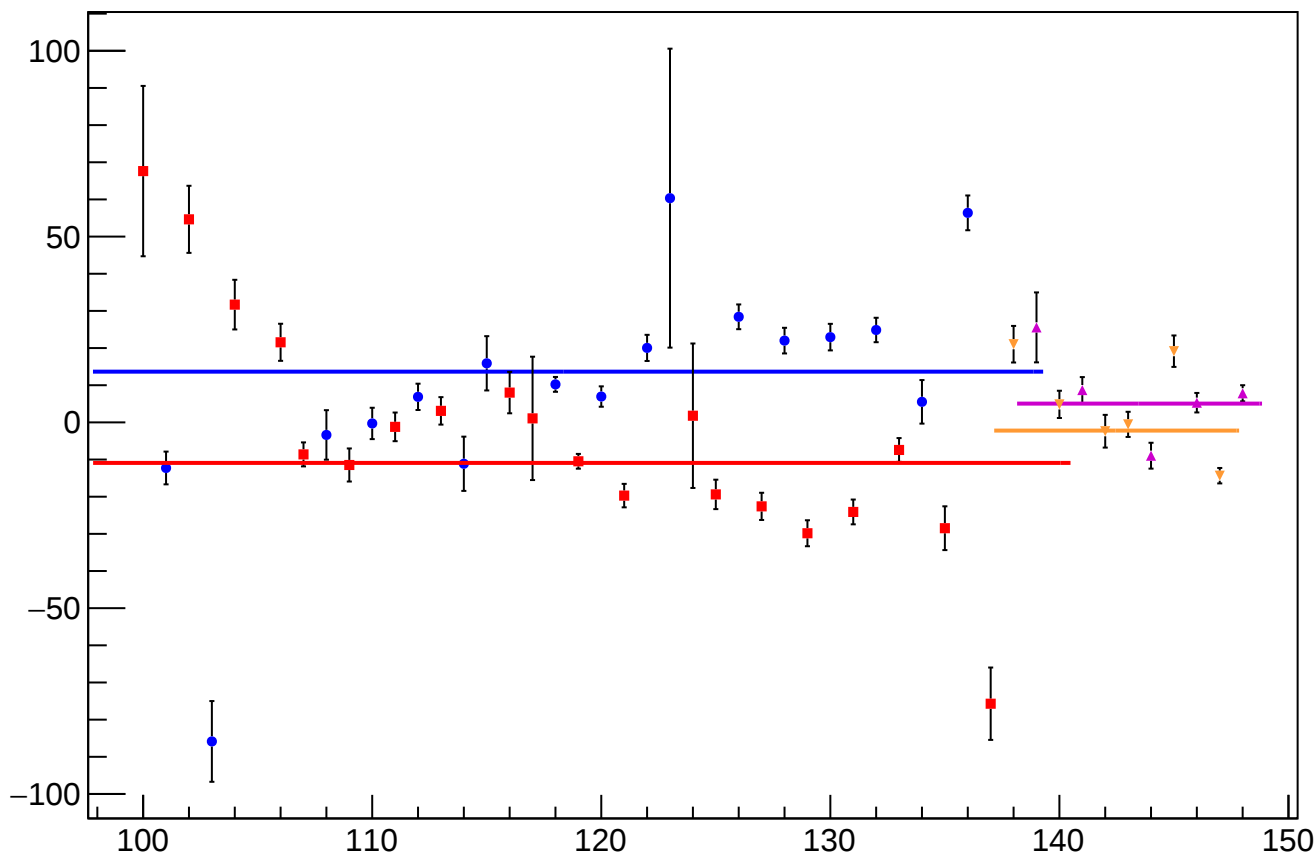
Left In: -255.760 ± 2.136 $\chi^2/\text{NDF}: 11.2/4$

210.823 ± 2.026 $\chi^2/\text{NDF}: 1860.0/5$

-10.181 ± 1.470 $\chi^2/\text{NDF}: 26989.9/10$

-255.760 ± 2.136 $\chi^2/\text{NDF}: 11.2/4$

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: -2.208 $\pm$ 1.358 χ^2 /NDF: 85.9/5

Right Out: -10.908 $\pm$ 0.912 χ^2 /NDF: 303.1/19

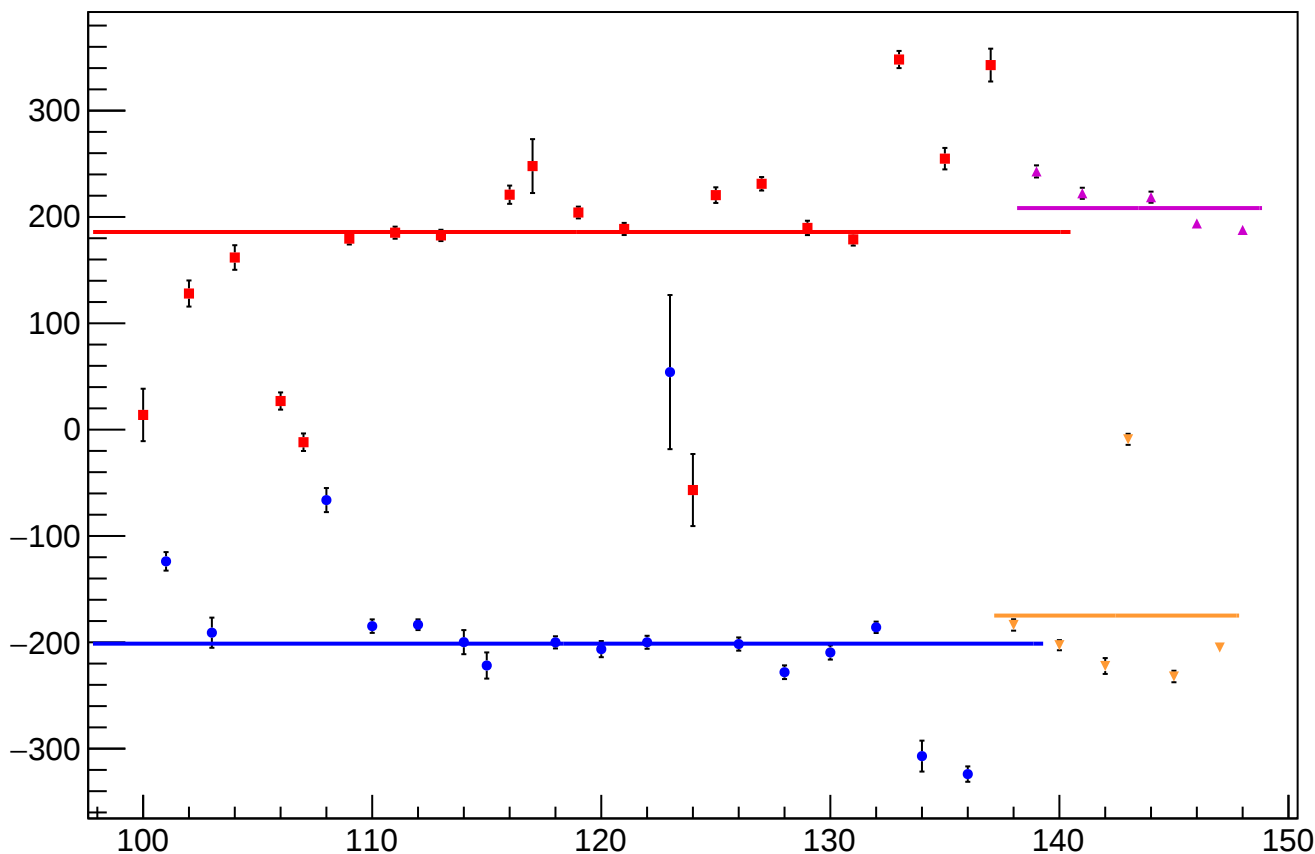
Left In: 5.052 $\pm$ 1.369 χ^2 /NDF: 23.7/4

8.543 $\pm$ 0.771 χ^2 /NDF: 472.4/22

1.156 $\pm$ 0.541 χ^2 /NDF: 1074.2/47

-6.005 $\pm$ 0.759 χ^2 /NDF: 420.9/24

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: -174.851 ± 2.096 χ^2/NDF : 1259.2/5

Right Out: 185.871 ± 1.695 χ^2/NDF : 1752.0/19

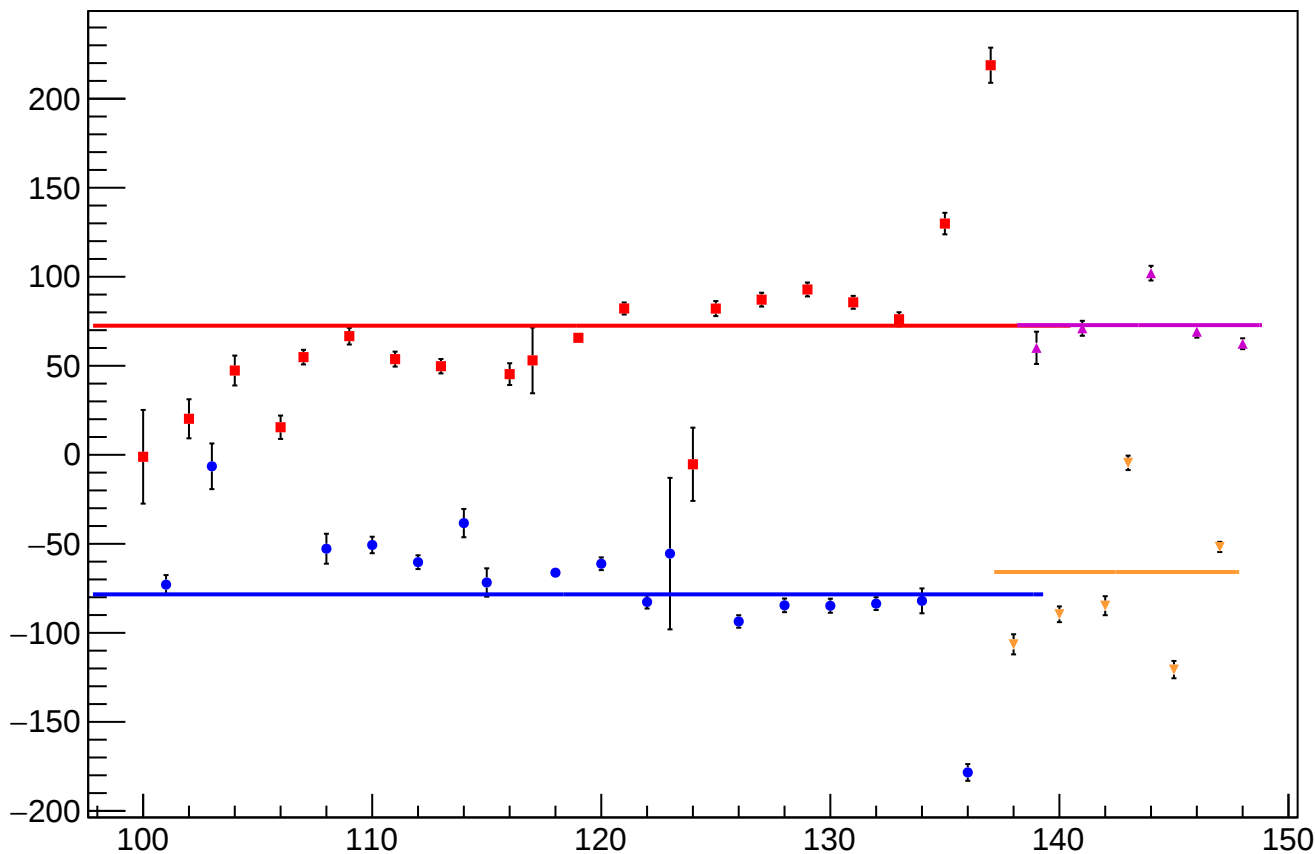
Left In: 208.366 ± 2.155 χ^2/NDF : 82.9/4

-190.089 ± 1.364 χ^2/NDF : 1974.2/22

6.618 ± 0.953 χ^2/NDF : 44559.5/47

194.471 ± 1.333 χ^2/NDF : 1902.2/24

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: -65.834 ± 1.707 χ^2/NDF : 473.9/5

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

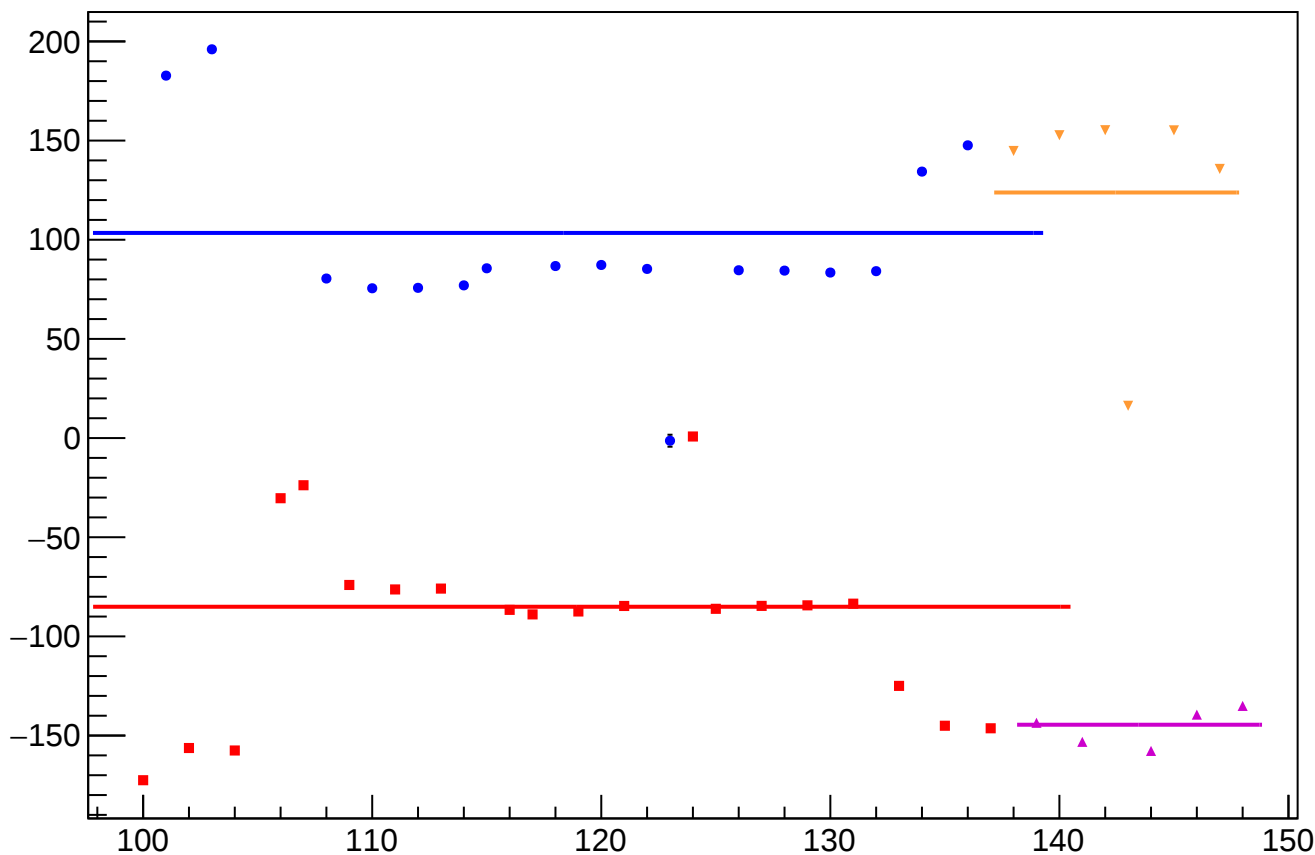
Left In: 72.832 ± 1.755 χ^2/NDF : 65.2/4

-74.786 ± 0.914 χ^2/NDF : 1163.8/22

-0.070 ± 0.641 χ^2/NDF : 15030.0/47

72.597 ± 0.901 χ^2/NDF : 672.2/24

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2/NDF : 272785.6/16

Left Out: 123.825 $\pm$ 0.088 χ^2/NDF : 332803.5/5

Right Out: -85.054 $\pm$ 0.064 χ^2/NDF : 422354.0/19

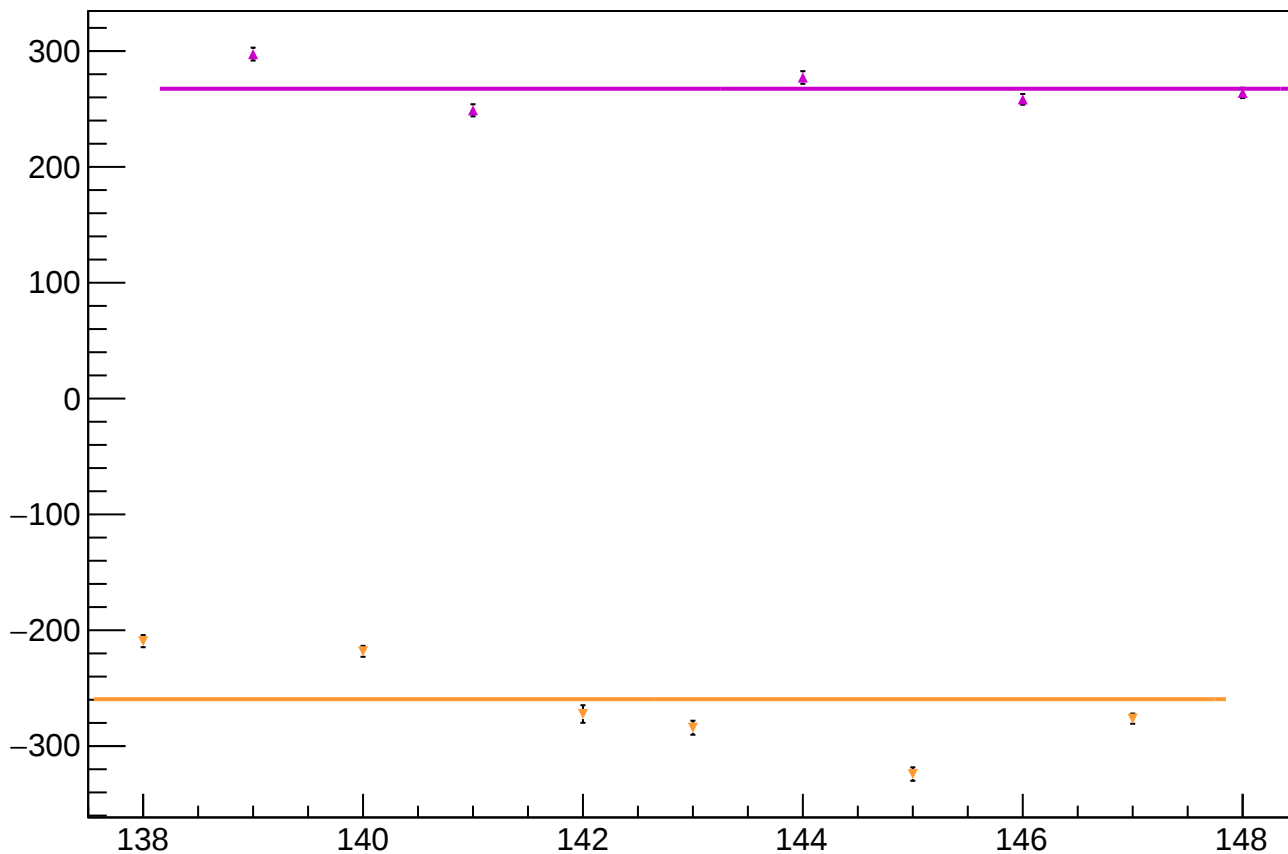
Left In: -144.545 $\pm$ 0.090 χ^2/NDF : 8491.8/4

111.431 $\pm$ 0.055 χ^2/NDF : 638035.1/22

-3.272 $\pm$ 0.038 χ^2/NDF : 9482567.3/47

-104.833 $\pm$ 0.052 χ^2/NDF : 721336.9/24

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -259.494+/-2.197 χ^2/NDF : 325.2/5

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

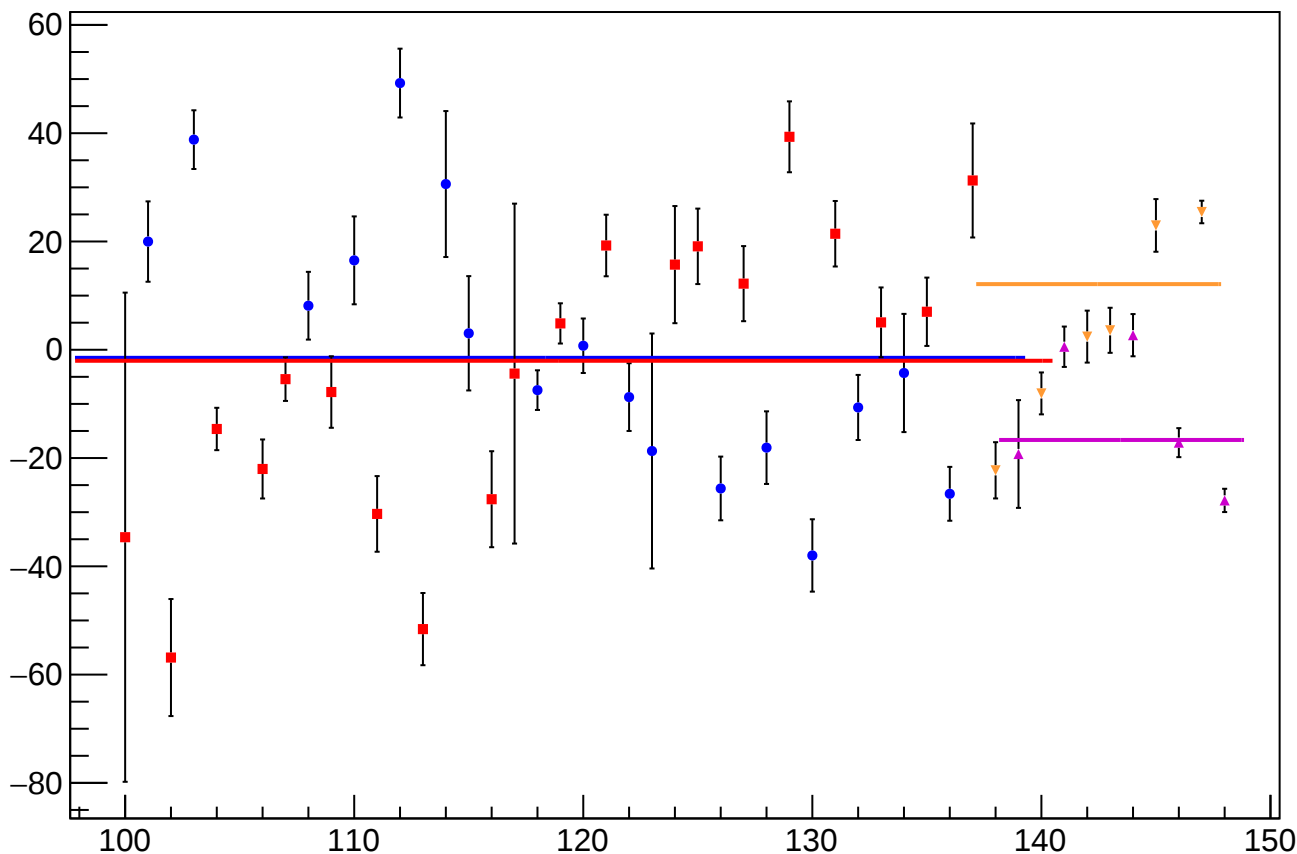
Left In: 267.468+/-2.237 χ^2/NDF : 49.3/4

-259.494+/-2.197 χ^2/NDF : 325.2/5

-0.823+/-1.568 χ^2/NDF : 28617.3/10

267.468+/-2.237 χ^2/NDF : 49.3/4

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: 12.125 ± 1.446 χ^2/NDF : 125.3/5

Right Out: -2.032 ± 1.398 χ^2/NDF : 233.3/19

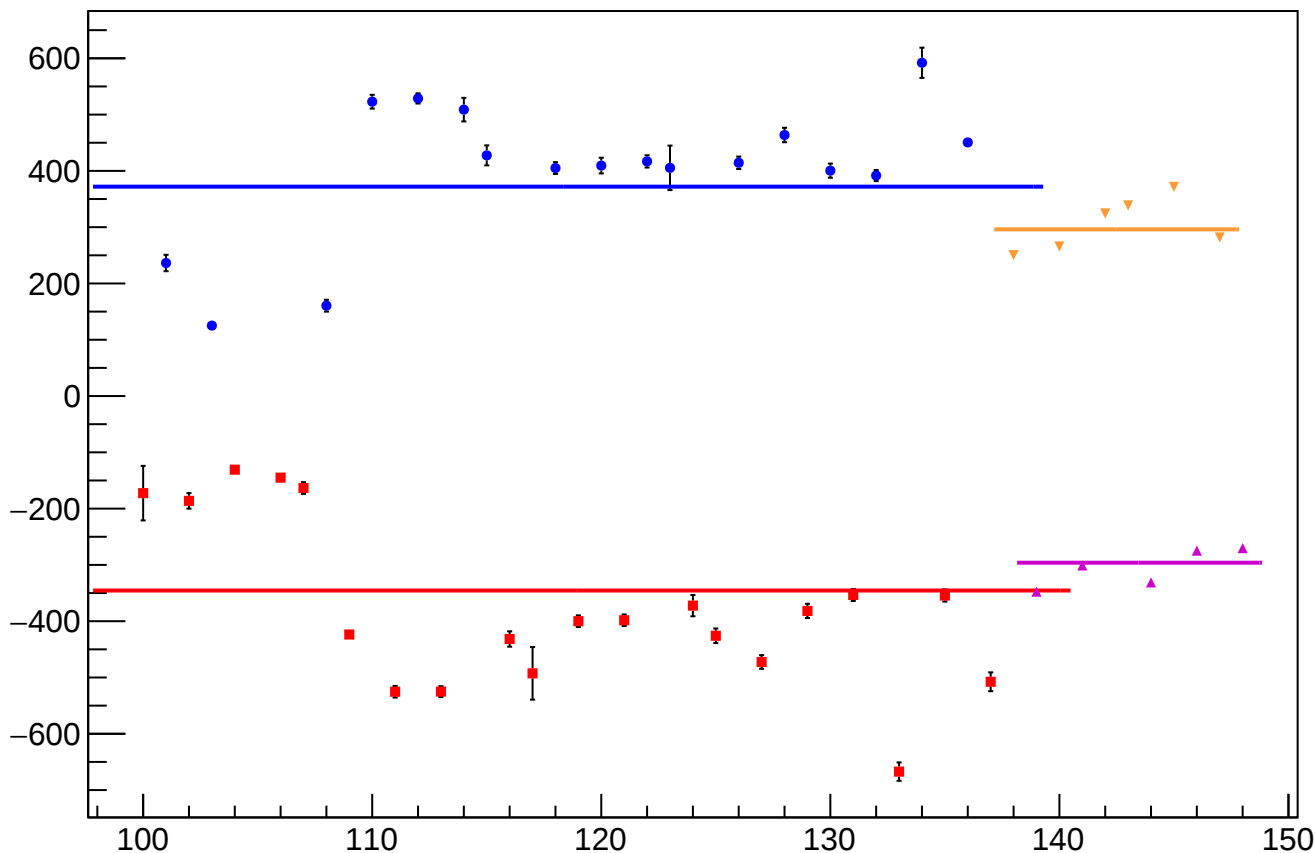
Left In: -16.660 ± 1.409 χ^2/NDF : 73.1/4

5.728 ± 1.053 χ^2/NDF : 392.8/22

-2.225 ± 0.722 χ^2/NDF : 861.2/47

-9.289 ± 0.993 χ^2/NDF : 360.6/24

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 ± 2.778 χ^2/NDF : 2432.6/16

Left Out: 296.101 ± 2.259 χ^2/NDF : 321.9/5

Right Out: -345.485 ± 2.558 χ^2/NDF : 3425.1/19

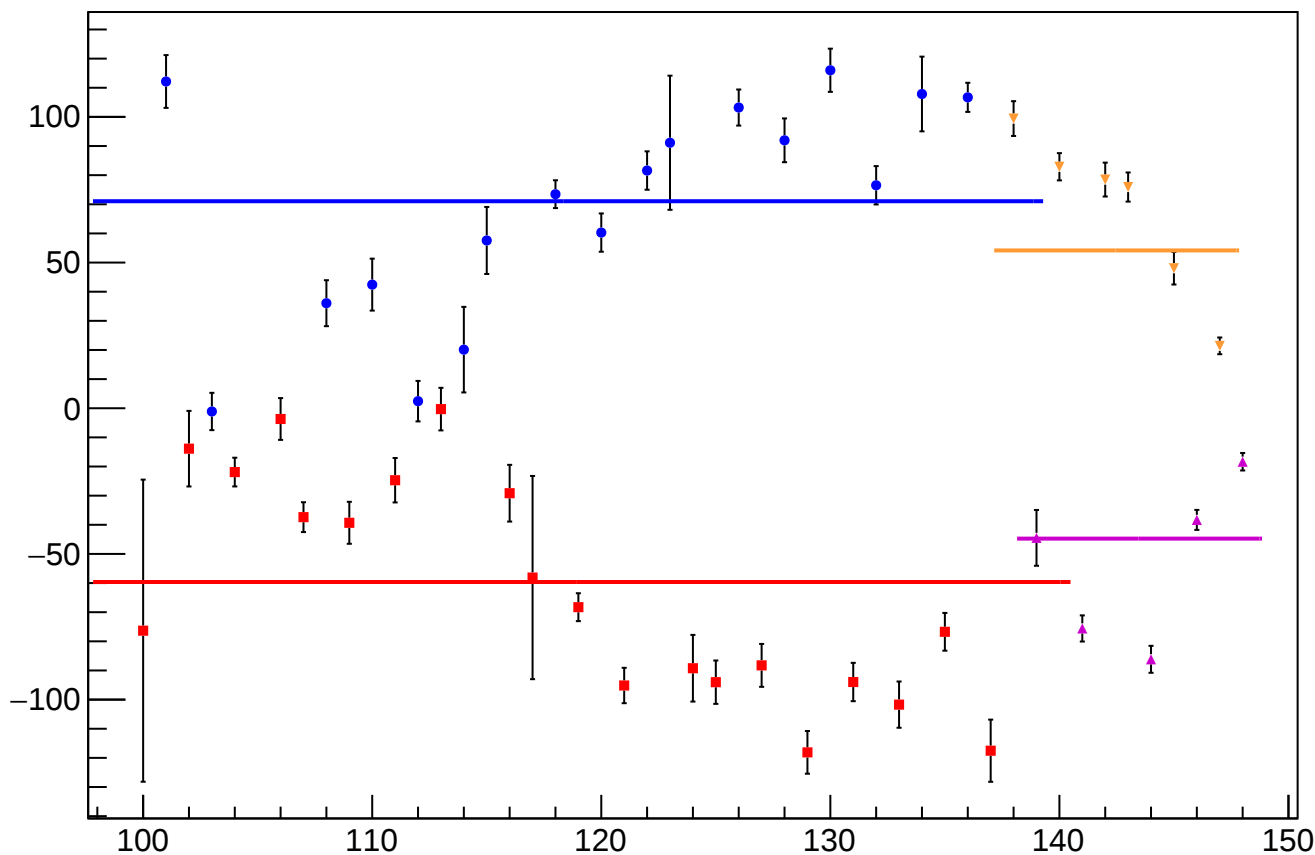
Left In: -296.073 ± 2.247 χ^2/NDF : 171.7/4

326.314 ± 1.753 χ^2/NDF : 3203.5/22

-7.730 ± 1.216 χ^2/NDF : 77021.3/47

-317.590 ± 1.688 χ^2/NDF : 3807.5/24

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056+/-1.764 χ^2/NDF : 426.2/16

Left Out: 54.167+/-1.836 χ^2/NDF : 263.0/5

Right Out: -59.634+/-1.629 χ^2/NDF : 491.6/19

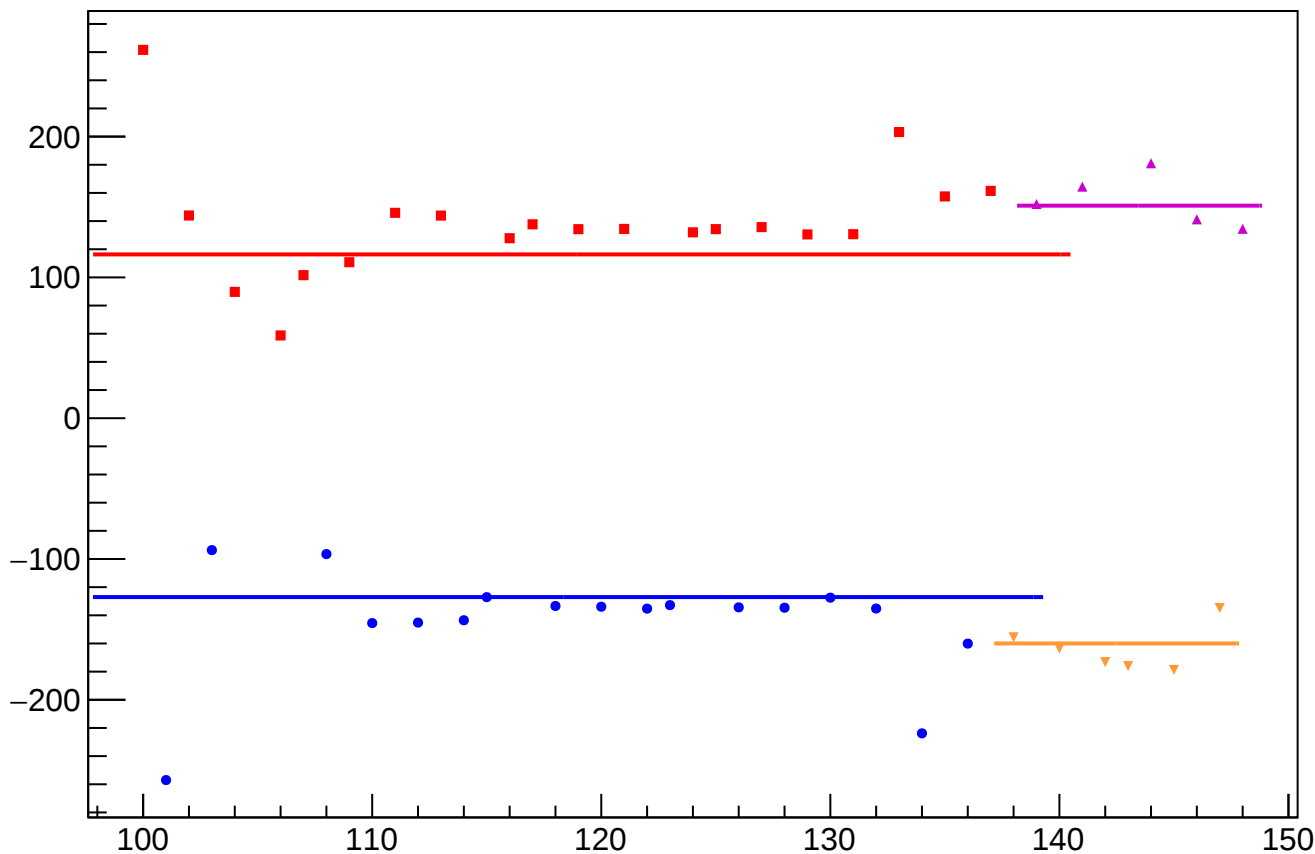
Left In: -44.745+/-1.817 χ^2/NDF : 208.0/4

62.947+/-1.272 χ^2/NDF : 733.2/22

2.235+/-0.878 χ^2/NDF : 5821.4/47

-52.999+/-1.213 χ^2/NDF : 736.8/24

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -159.986+/-0.096 χ^2/NDF : 29181.9/5

Right Out: 116.327+/-0.083 χ^2/NDF : 167208.7/19

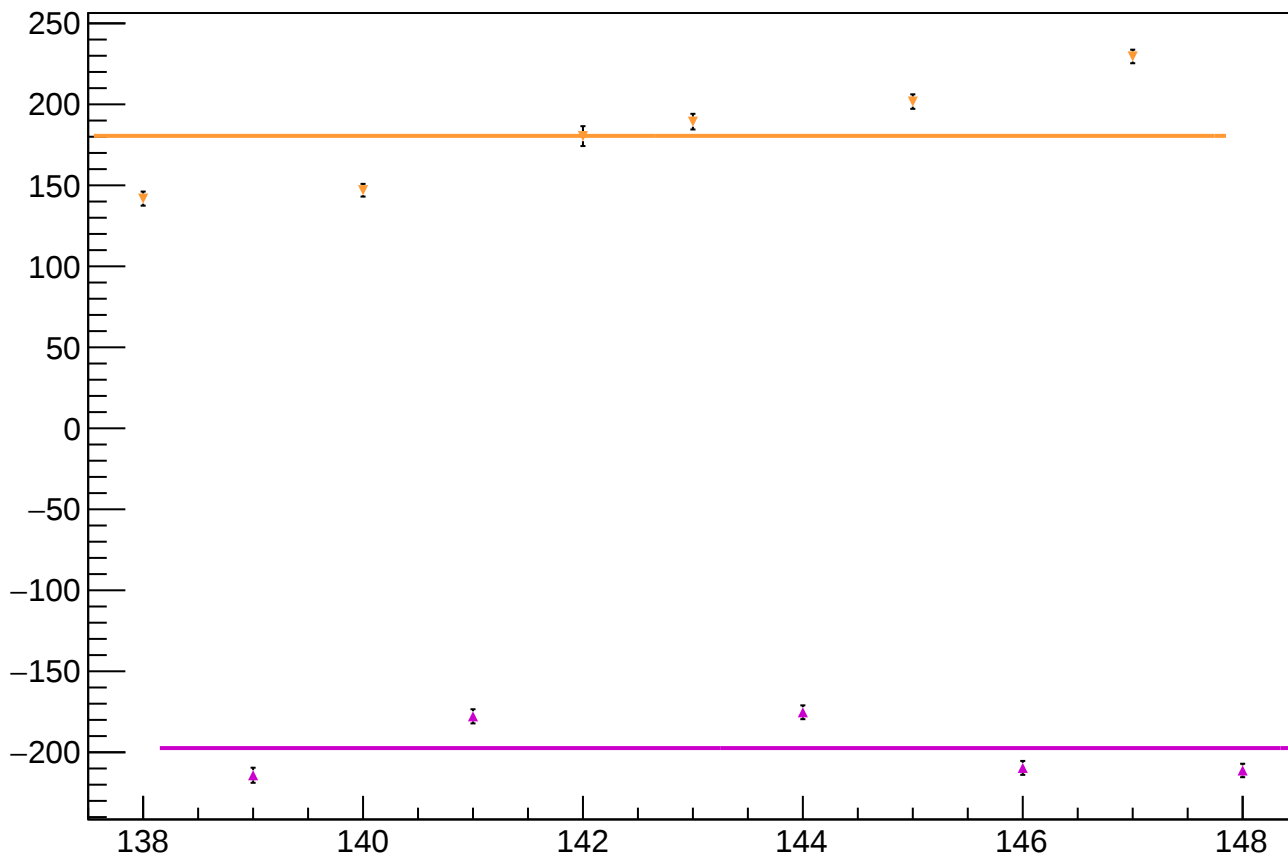
Left In: 150.952+/-0.094 χ^2/NDF : 28212.0/4

-142.412+/-0.066 χ^2/NDF : 258977.5/22

1.716+/-0.045 χ^2/NDF : 9709245.6/47

131.458+/-0.062 χ^2/NDF : 271612.3/24

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 180.549+/-1.845 χ^2/NDF : 314.7/5

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

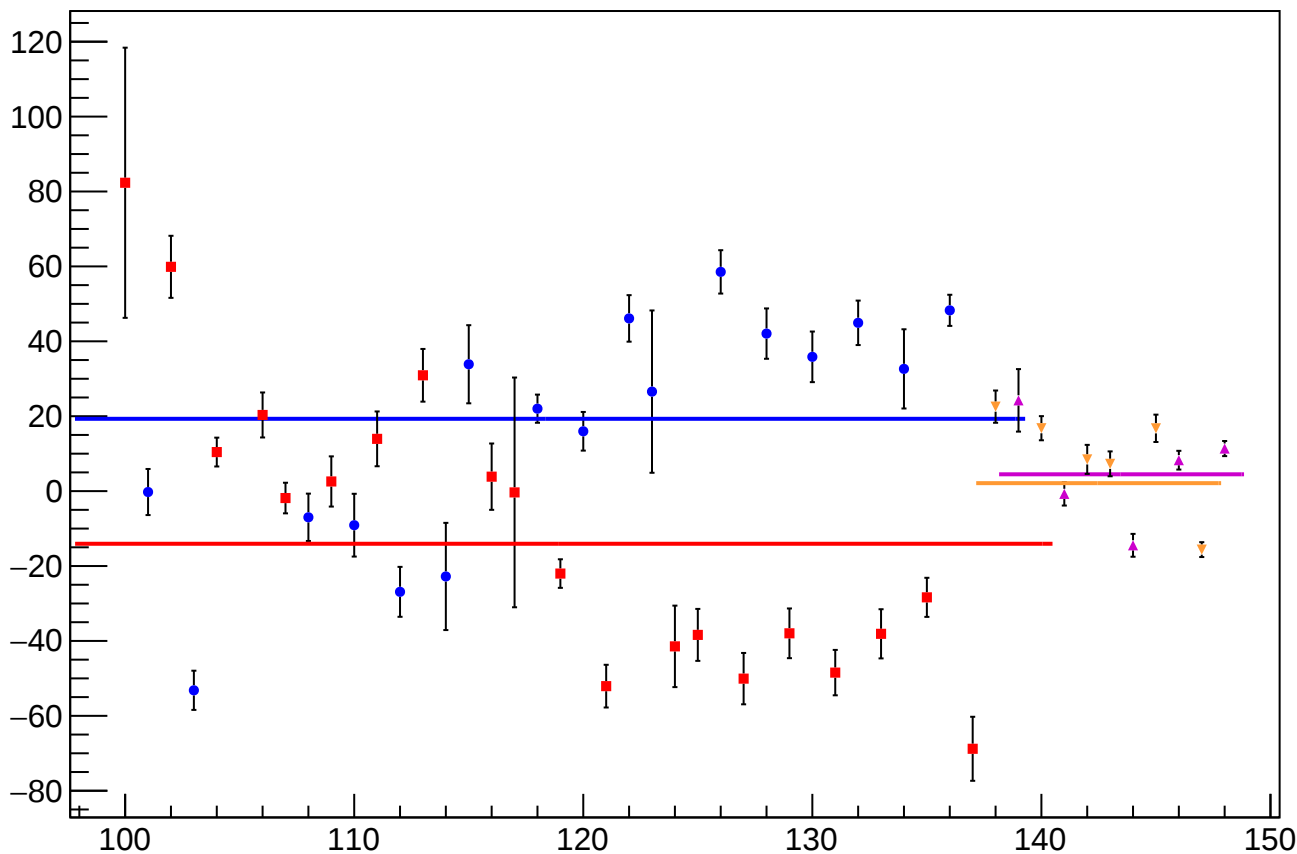
Left In: -197.397+/-1.942 χ^2/NDF : 79.0/4

180.549+/-1.845 χ^2/NDF : 314.7/5

1.250+/-1.337 χ^2/NDF : 20305.5/10

-197.397+/-1.942 χ^2/NDF : 79.0/4

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 $\chi^2/\text{NDF}: 441.3/16$

Left Out: 2.128 ± 1.254 $\chi^2/\text{NDF}: 144.3/5$

Right Out: -14.055 ± 1.388 $\chi^2/\text{NDF}: 437.1/19$

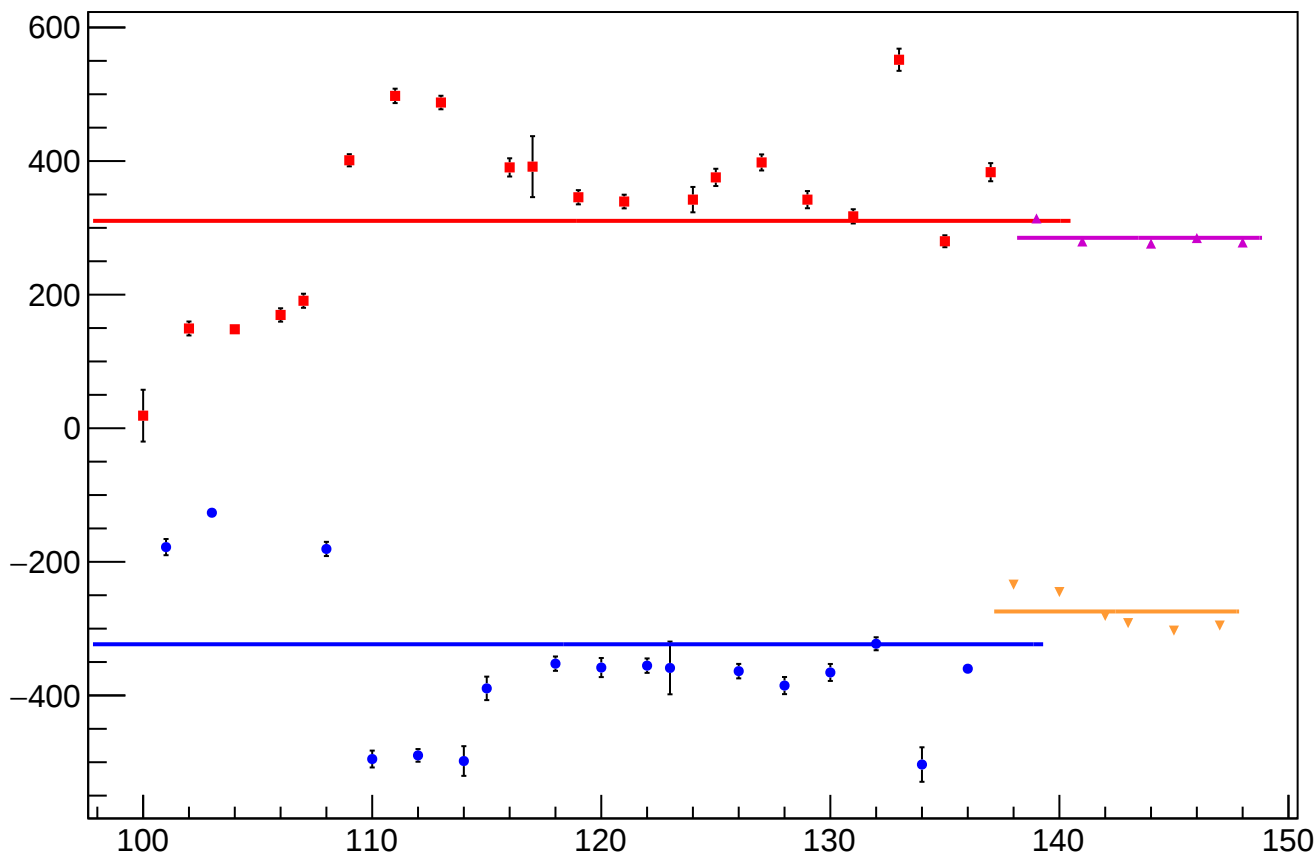
Left In: 4.492 ± 1.260 $\chi^2/\text{NDF}: 60.9/4$

9.192 ± 0.962 $\chi^2/\text{NDF}: 662.8/22$

2.453 ± 0.670 $\chi^2/\text{NDF}: 1353.8/47$

-3.884 ± 0.933 $\chi^2/\text{NDF}: 595.9/24$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -274.310 ± 1.915 $\chi^2/\text{NDF}: 198.8/5$

Right Out: 310.484 ± 2.520 $\chi^2/\text{NDF}: 2302.0/19$

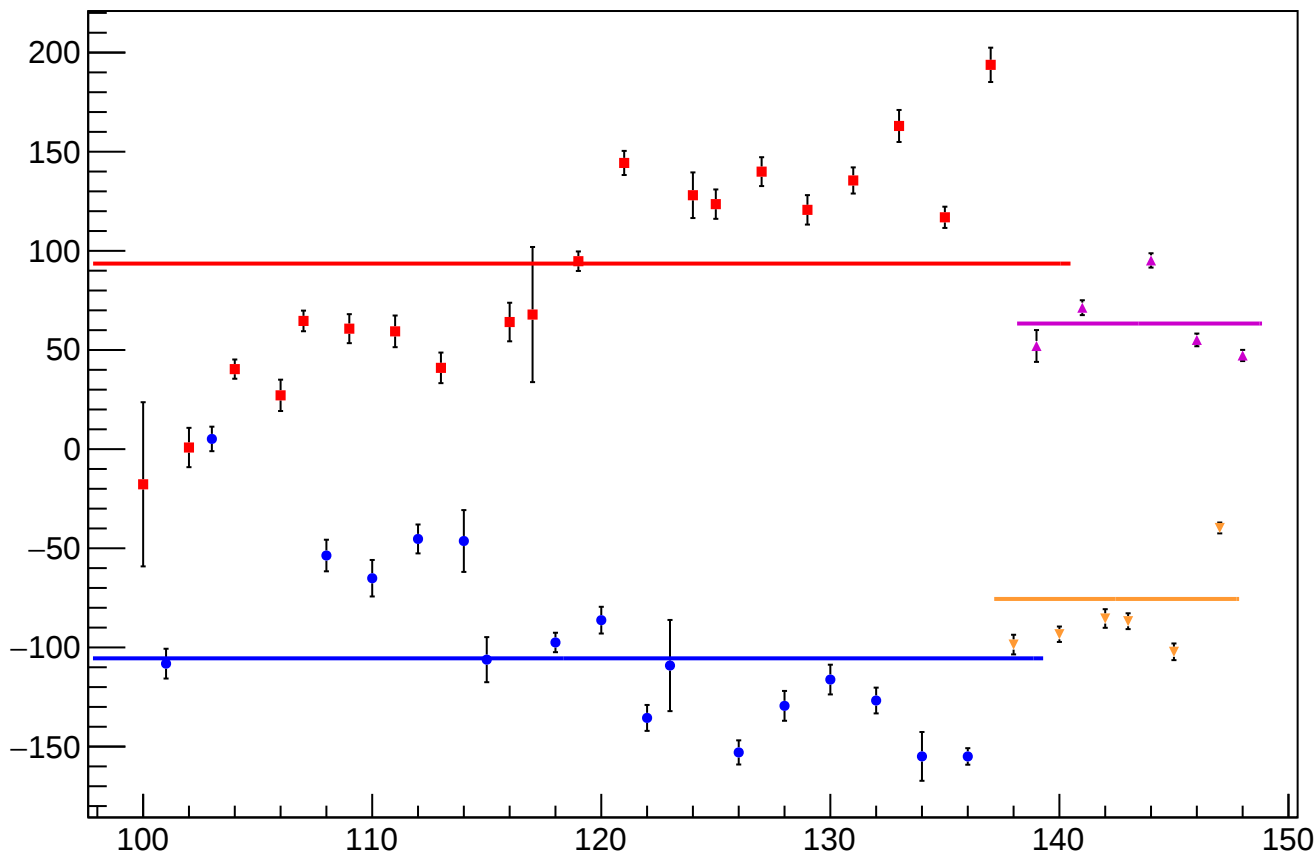
Left In: 285.082 ± 1.967 $\chi^2/\text{NDF}: 41.2/4$

-290.874 ± 1.559 $\chi^2/\text{NDF}: 2270.0/22$

3.552 ± 1.099 $\chi^2/\text{NDF}: 75611.5/47$

294.700 ± 1.550 $\chi^2/\text{NDF}: 2406.4/24$

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: -75.545 ± 1.571 χ^2/NDF : 266.0/5

Right Out: 93.579 ± 1.608 χ^2/NDF : 827.7/19

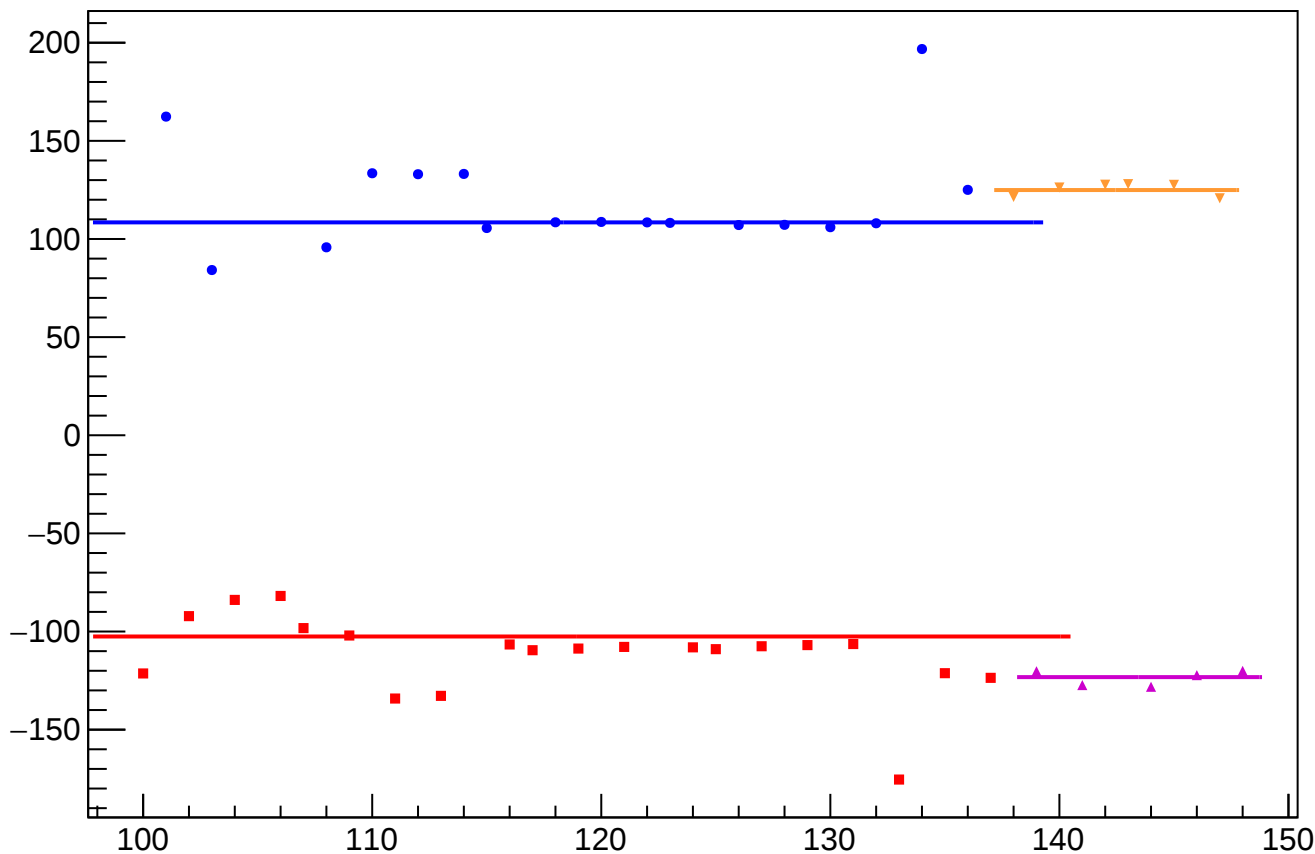
Left In: 63.347 ± 1.609 χ^2/NDF : 123.3/4

-89.239 ± 1.158 χ^2/NDF : 1169.5/22

-3.923 ± 0.811 χ^2/NDF : 12974.2/47

78.472 ± 1.138 χ^2/NDF : 1127.5/24

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: 124.936 ± 0.081 χ^2/NDF : 1445.9/5

Right Out: -102.532 ± 0.079 χ^2/NDF : 53003.2/19

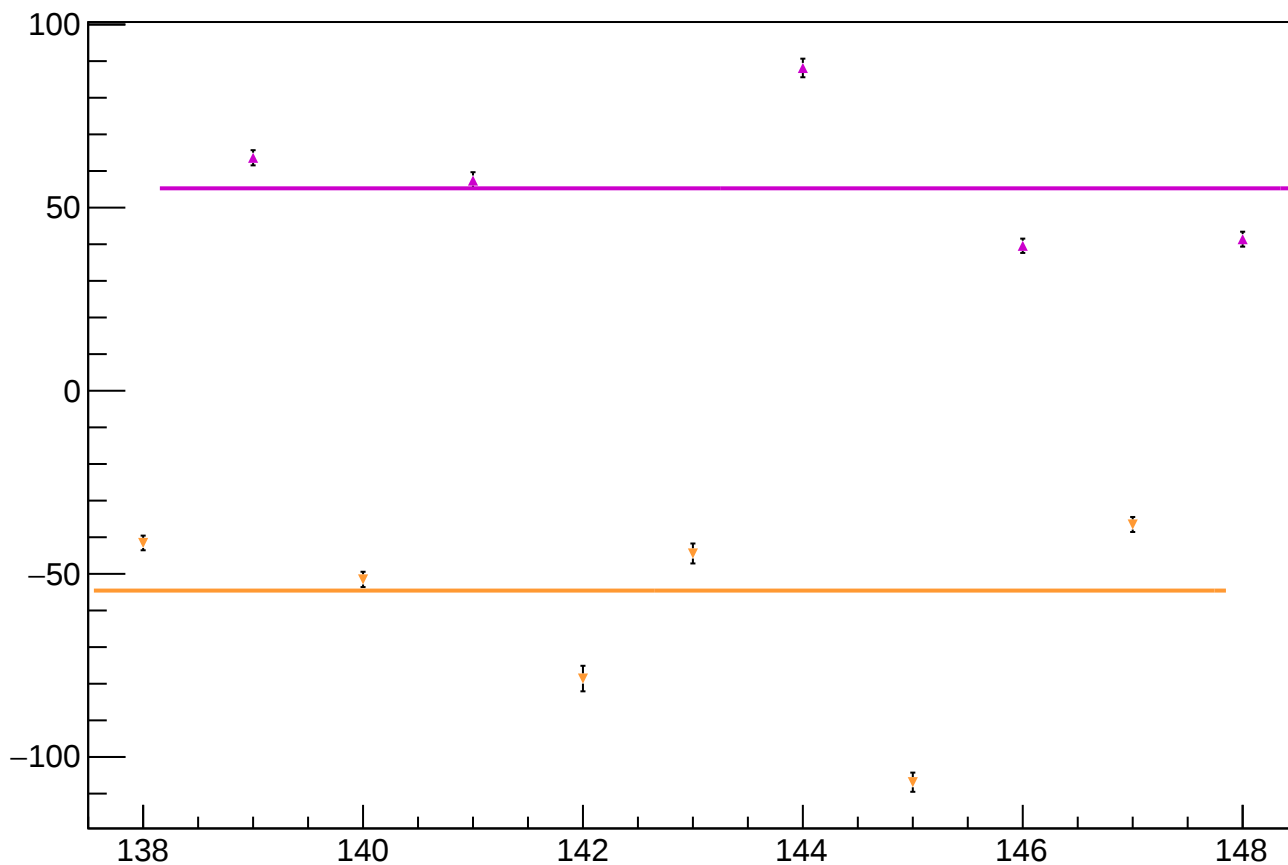
Left In: -123.229 ± 0.082 χ^2/NDF : 1750.3/4

117.142 ± 0.058 χ^2/NDF : 94547.2/22

-0.490 ± 0.041 χ^2/NDF : 8088455.6/47

-112.564 ± 0.057 χ^2/NDF : 87614.1/24

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -54.563+/-0.962 χ^2/NDF : 582.3/5

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

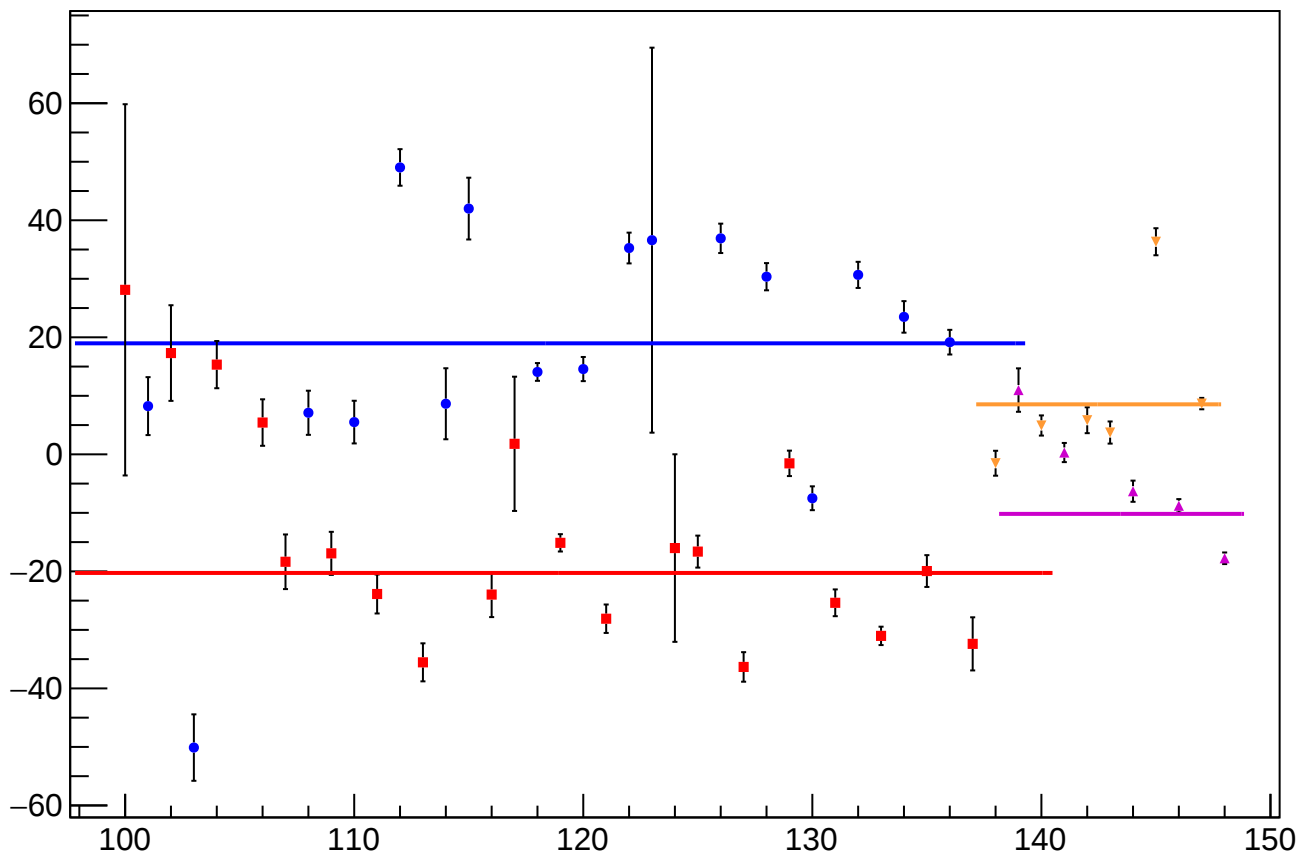
Left In: 55.269+/-0.962 χ^2/NDF : 295.4/4

-54.563+/-0.962 χ^2/NDF : 582.3/5

0.365+/-0.680 χ^2/NDF : 7393.6/10

55.269+/-0.962 χ^2/NDF : 295.4/4

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 ± 0.653 $\chi^2/\text{NDF}: 618.4/16$

Left Out: 8.545 ± 0.662 $\chi^2/\text{NDF}: 179.4/5$

Right Out: -20.269 ± 0.641 $\chi^2/\text{NDF}: 370.1/19$

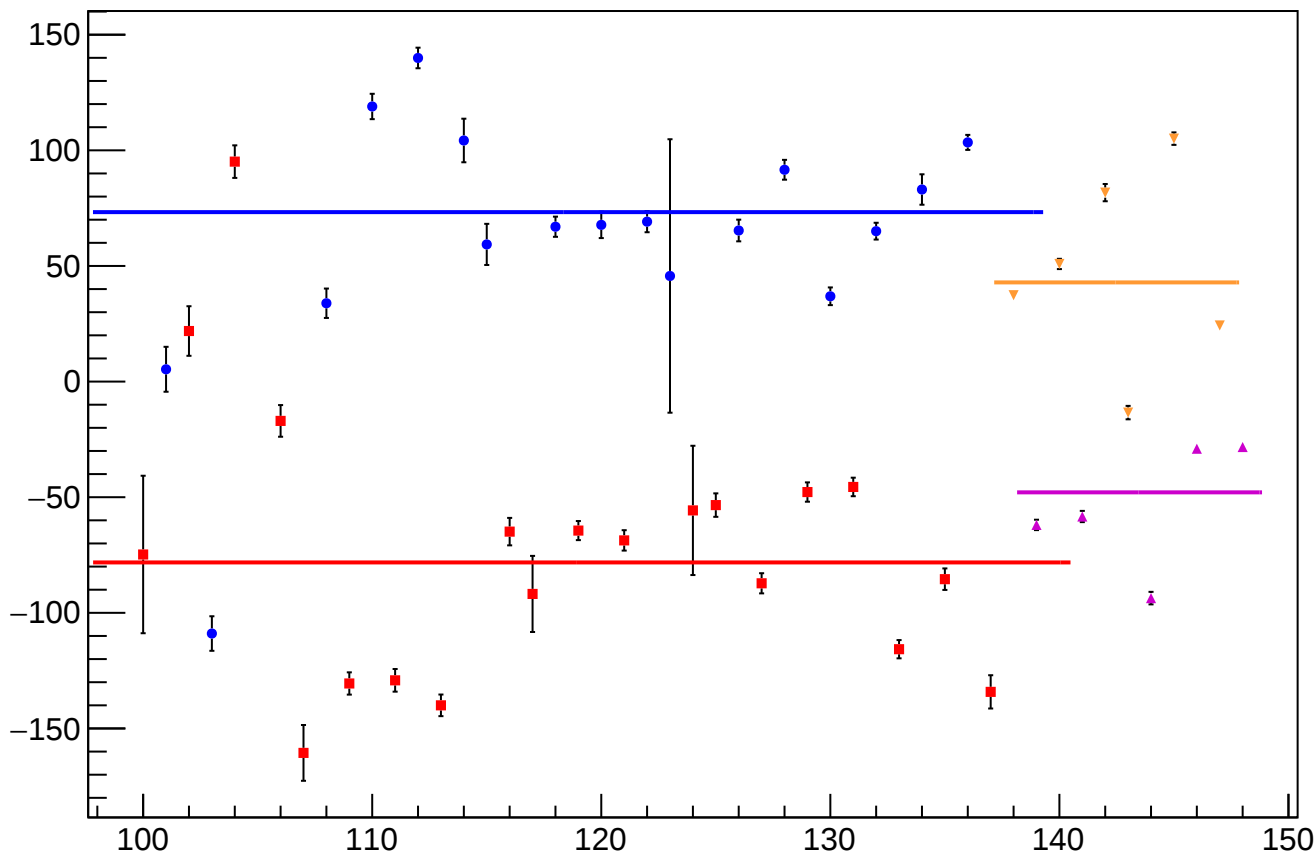
Left In: -10.177 ± 0.628 $\chi^2/\text{NDF}: 138.0/4$

13.829 ± 0.465 $\chi^2/\text{NDF}: 923.5/22$

-1.161 ± 0.323 $\chi^2/\text{NDF}: 3565.5/47$

-15.117 ± 0.449 $\chi^2/\text{NDF}: 634.5/24$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 42.886 $\pm$ 0.993 χ^2 /NDF: 1125.9/5

Right Out: -78.205 $\pm$ 1.219 χ^2 /NDF: 1544.0/19

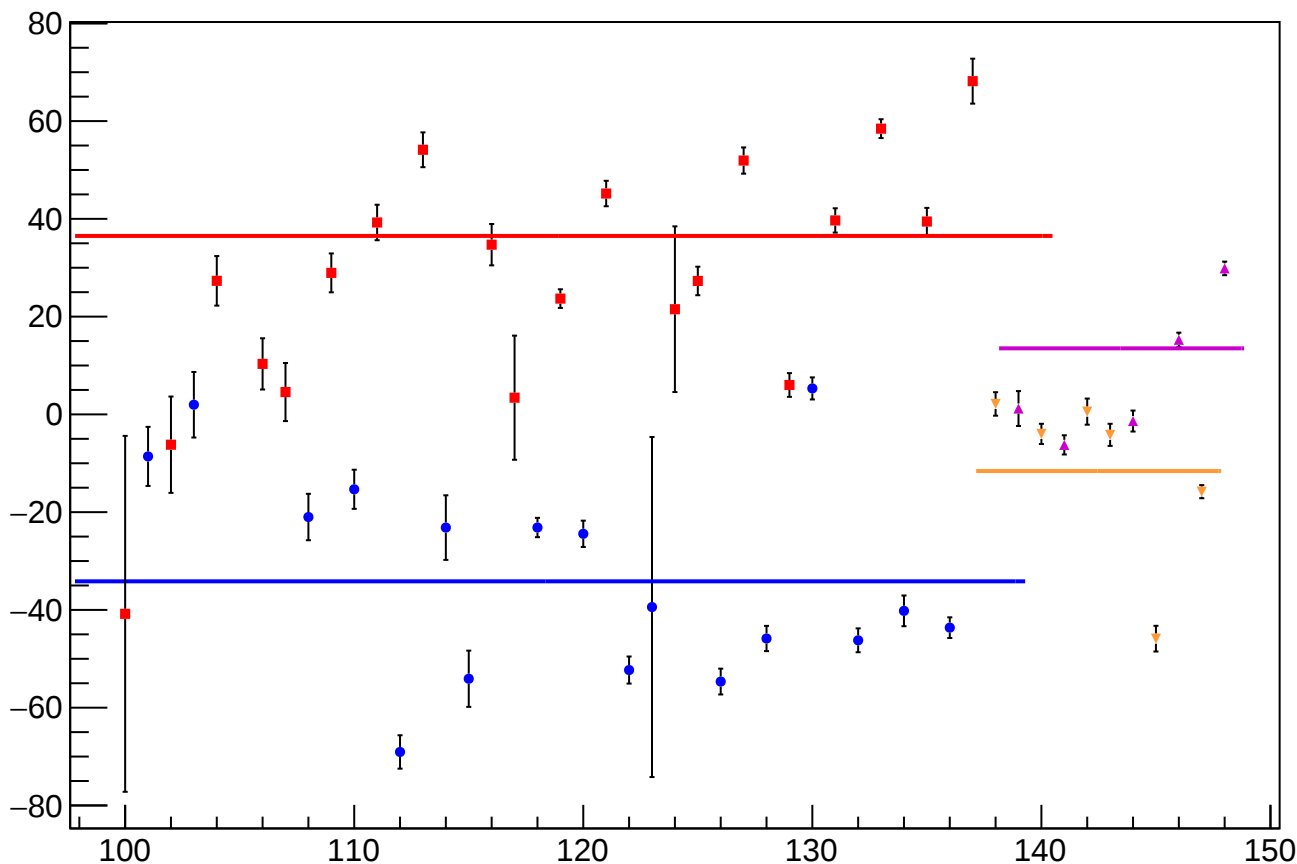
Left In: -47.900 $\pm$ 0.970 χ^2 /NDF: 548.5/4

54.801 $\pm$ 0.774 χ^2 /NDF: 2691.8/22

-3.542 $\pm$ 0.542 χ^2 /NDF: 16303.7/47

-59.653 $\pm$ 0.759 χ^2 /NDF: 2470.8/24

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 $\pm$ 0.745 χ^2 /NDF: 717.5/16

Left Out: -11.588 $\pm$ 0.832 χ^2 /NDF: 257.3/5

Right Out: 36.507 $\pm$ 0.735 χ^2 /NDF: 553.8/19

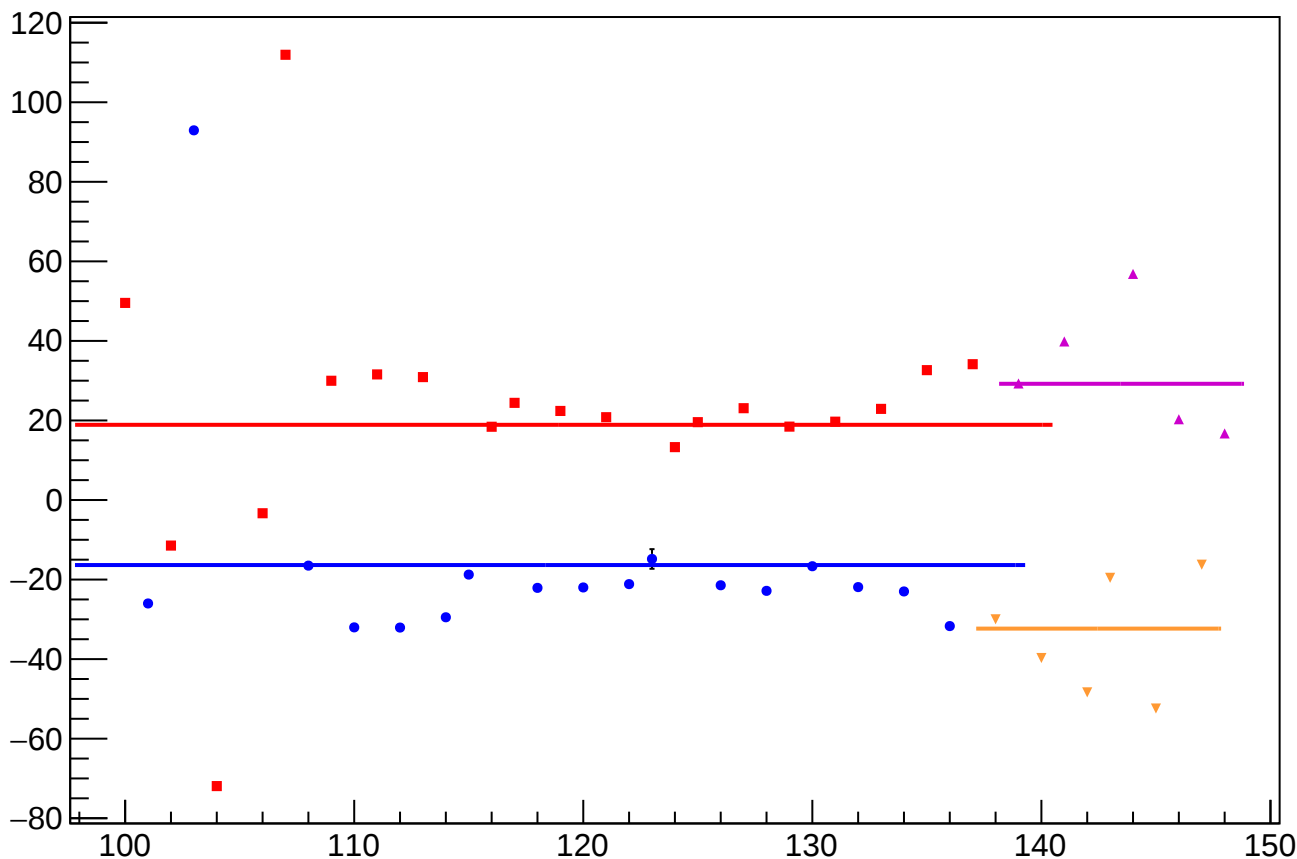
Left In: 13.509 $\pm$ 0.805 χ^2 /NDF: 301.2/4

-24.120 $\pm$ 0.555 χ^2 /NDF: 1382.9/22

1.541 $\pm$ 0.388 χ^2 /NDF: 6862.3/47

26.058 $\pm$ 0.543 χ^2 /NDF: 1300.4/24

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -32.330 ± 0.042 $\chi^2/\text{NDF}: 97189.6/5$

Right Out: 18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

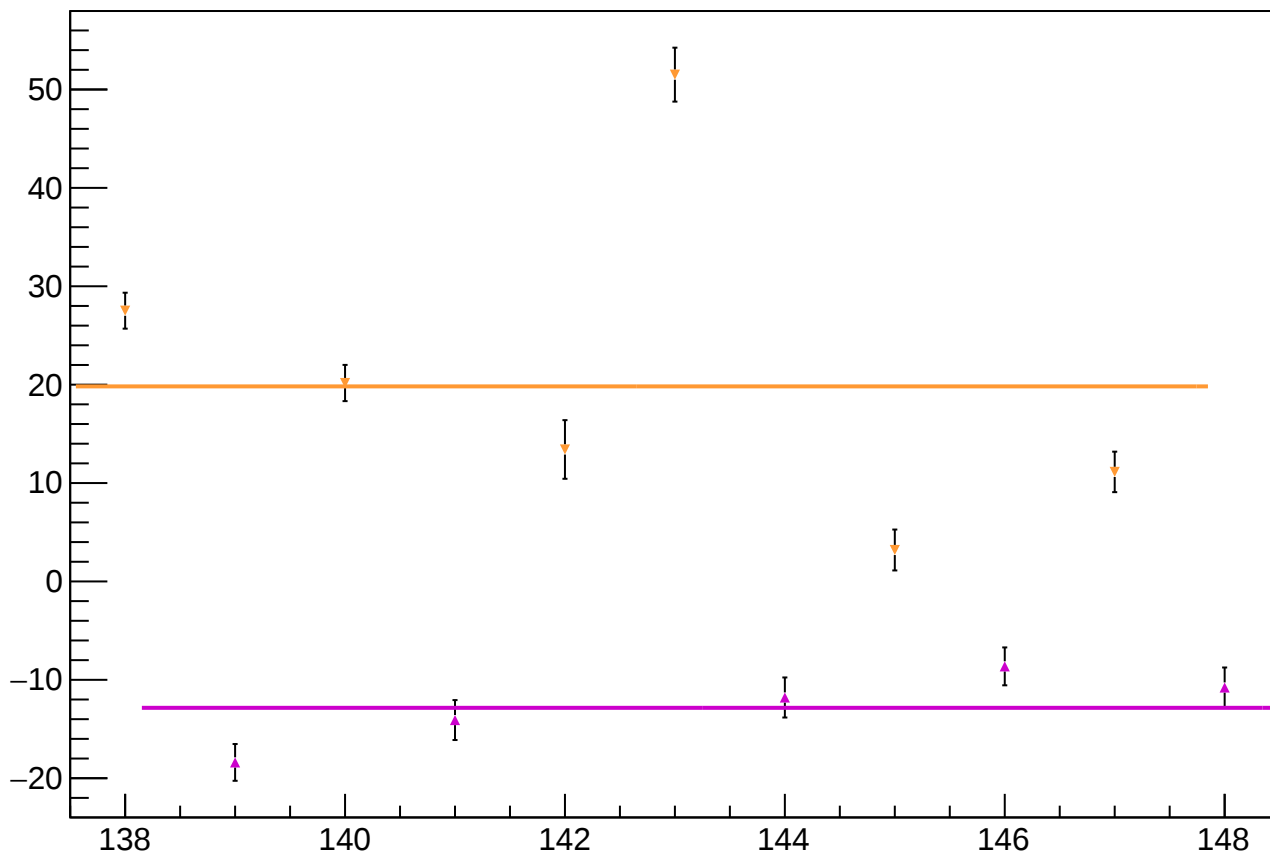
Left In: 29.220 ± 0.040 $\chi^2/\text{NDF}: 99638.8/4$

-24.888 ± 0.030 $\chi^2/\text{NDF}: 639850.3/22$

0.250 ± 0.021 $\chi^2/\text{NDF}: 2544794.4/47$

24.671 ± 0.030 $\chi^2/\text{NDF}: 562570.1/24$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 19.824+/-0.874 χ^2/NDF : 237.8/5

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

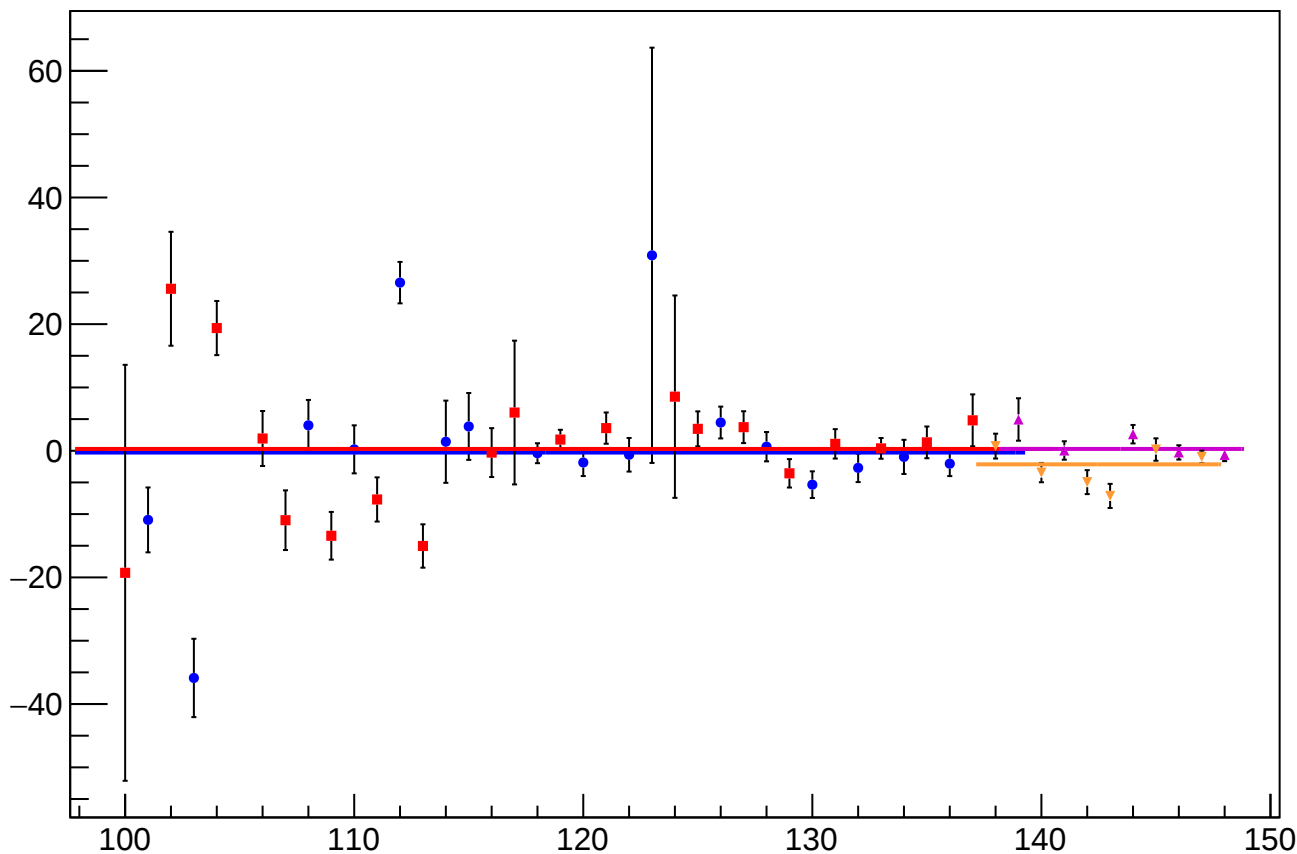
Left In: -12.845+/-0.883 χ^2/NDF : 15.3/4

19.824+/-0.874 χ^2/NDF : 237.8/5

3.653+/-0.621 χ^2/NDF : 944.3/10

-12.845+/-0.883 χ^2/NDF : 15.3/4

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -2.143 ± 0.619 χ^2/NDF : 15.2/5

Right Out: 0.289 ± 0.655 χ^2/NDF : 83.4/19

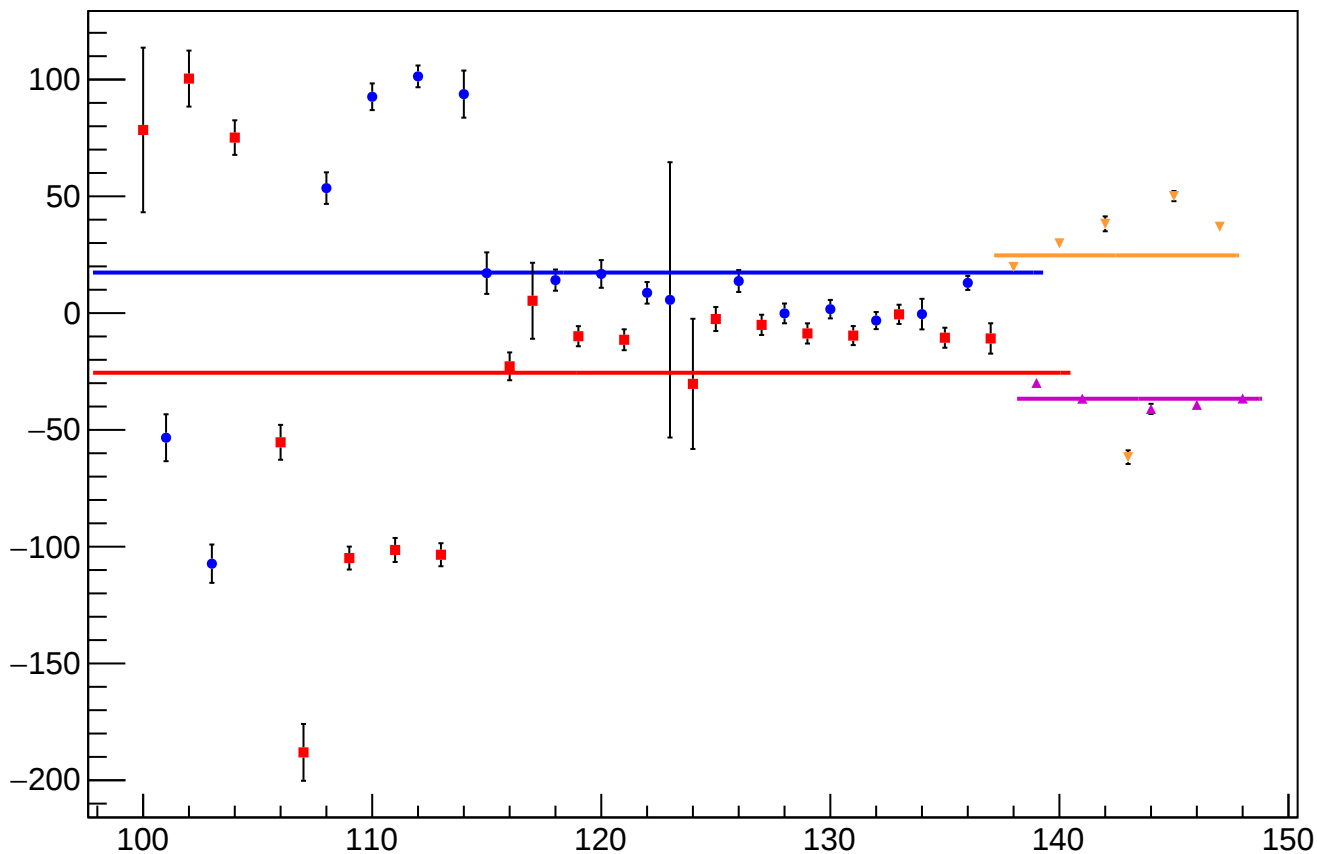
Left In: 0.291 ± 0.594 χ^2/NDF : 5.6/4

-1.275 ± 0.452 χ^2/NDF : 138.9/22

-0.471 ± 0.315 χ^2/NDF : 234.1/47

0.290 ± 0.440 χ^2/NDF : 89.1/24

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 24.711 ± 0.908 $\chi^2/\text{NDF}: 1079.3/5$

Right Out: -25.537 ± 1.239 $\chi^2/\text{NDF}: 1382.4/19$

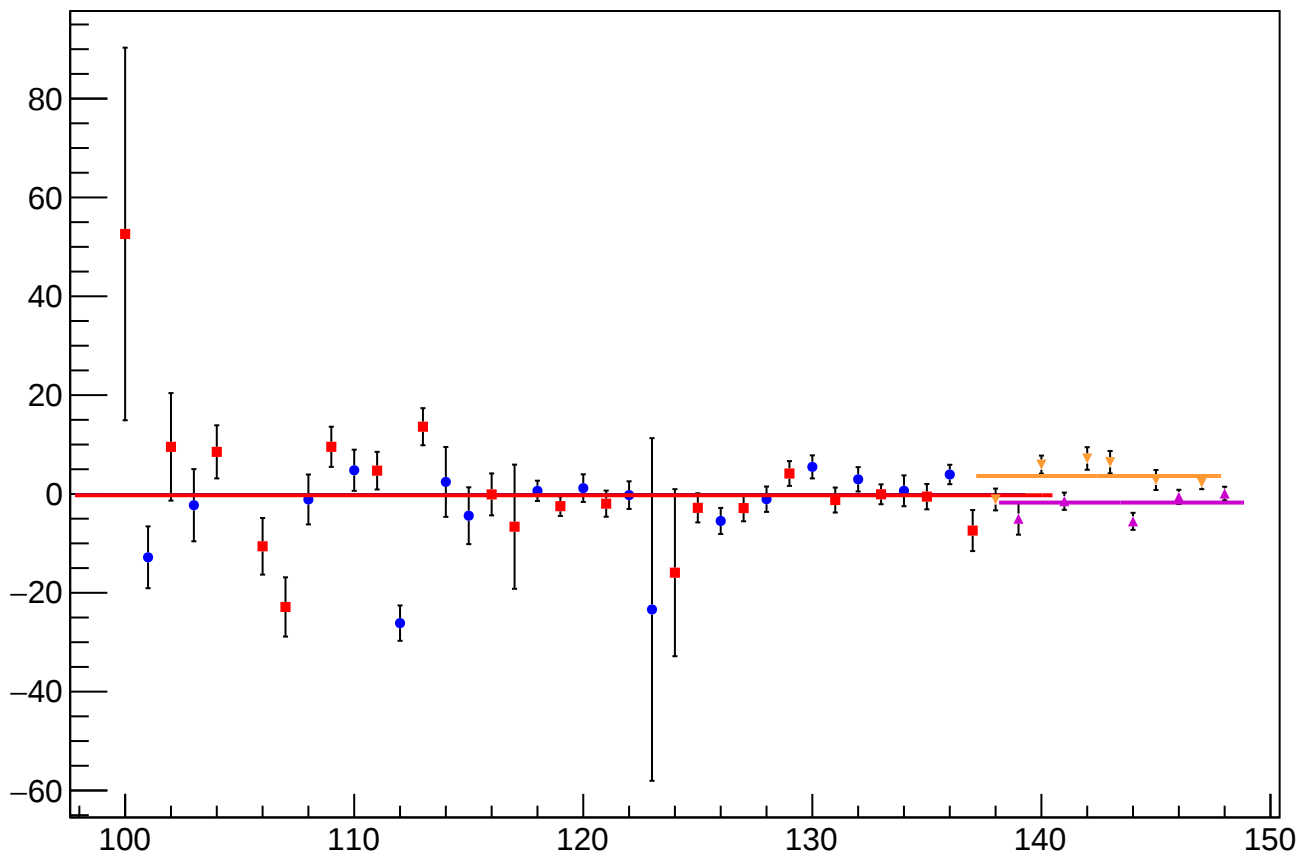
Left In: -36.664 ± 0.898 $\chi^2/\text{NDF}: 17.3/4$

22.163 ± 0.734 $\chi^2/\text{NDF}: 2045.0/22$

-5.596 ± 0.517 $\chi^2/\text{NDF}: 6329.5/47$

-32.832 ± 0.727 $\chi^2/\text{NDF}: 1452.6/24$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.752 $\chi^2/\text{NDF}: 75.9/16$

Left Out: 3.636 ± 0.770 $\chi^2/\text{NDF}: 11.3/5$

Right Out: -0.262 ± 0.747 $\chi^2/\text{NDF}: 54.8/19$

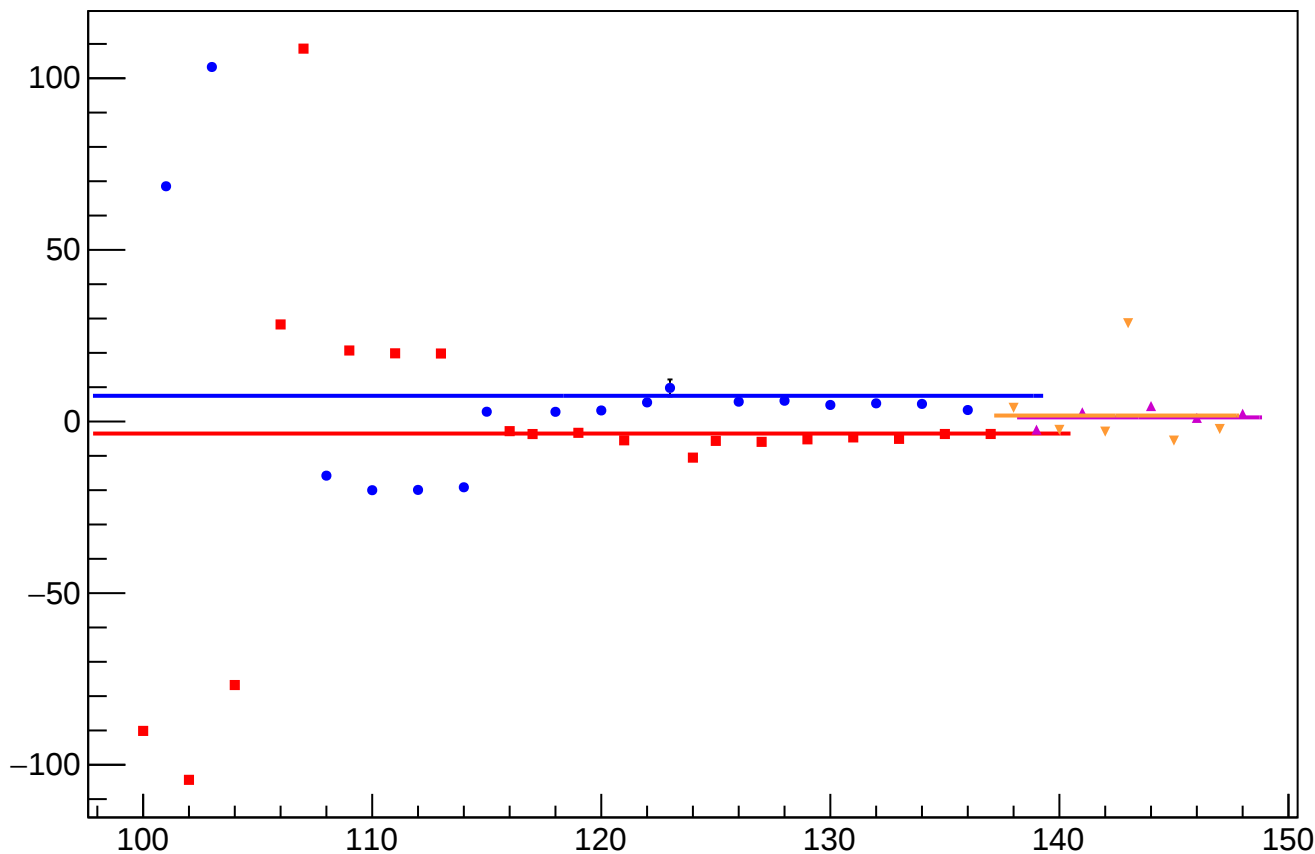
Left In: -1.742 ± 0.753 $\chi^2/\text{NDF}: 8.3/4$

1.667 ± 0.538 $\chi^2/\text{NDF}: 99.9/22$

0.317 ± 0.378 $\chi^2/\text{NDF}: 177.3/47$

-0.996 ± 0.530 $\chi^2/\text{NDF}: 65.0/24$

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: 1.743 ± 0.038 $\chi^2/\text{NDF}: 66505.7/5$

Right Out: -3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.5/19$

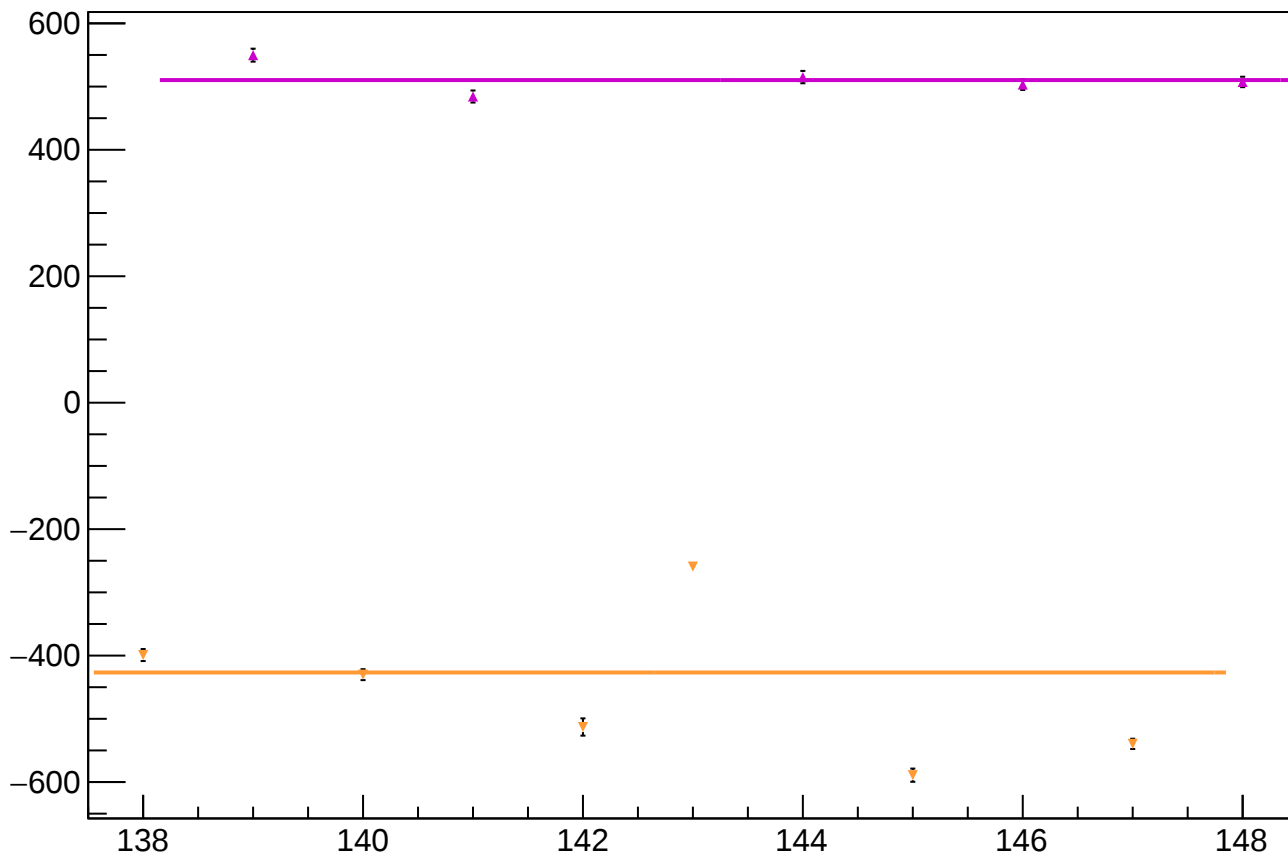
Left In: 1.204 ± 0.037 $\chi^2/\text{NDF}: 4185.8/4$

4.143 ± 0.029 $\chi^2/\text{NDF}: 432148.3/22$

1.728 ± 0.020 $\chi^2/\text{NDF}: 967326.9/47$

-0.670 ± 0.029 $\chi^2/\text{NDF}: 521200.2/24$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -426.720+/-3.666 χ^2/NDF :1052.0/5

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

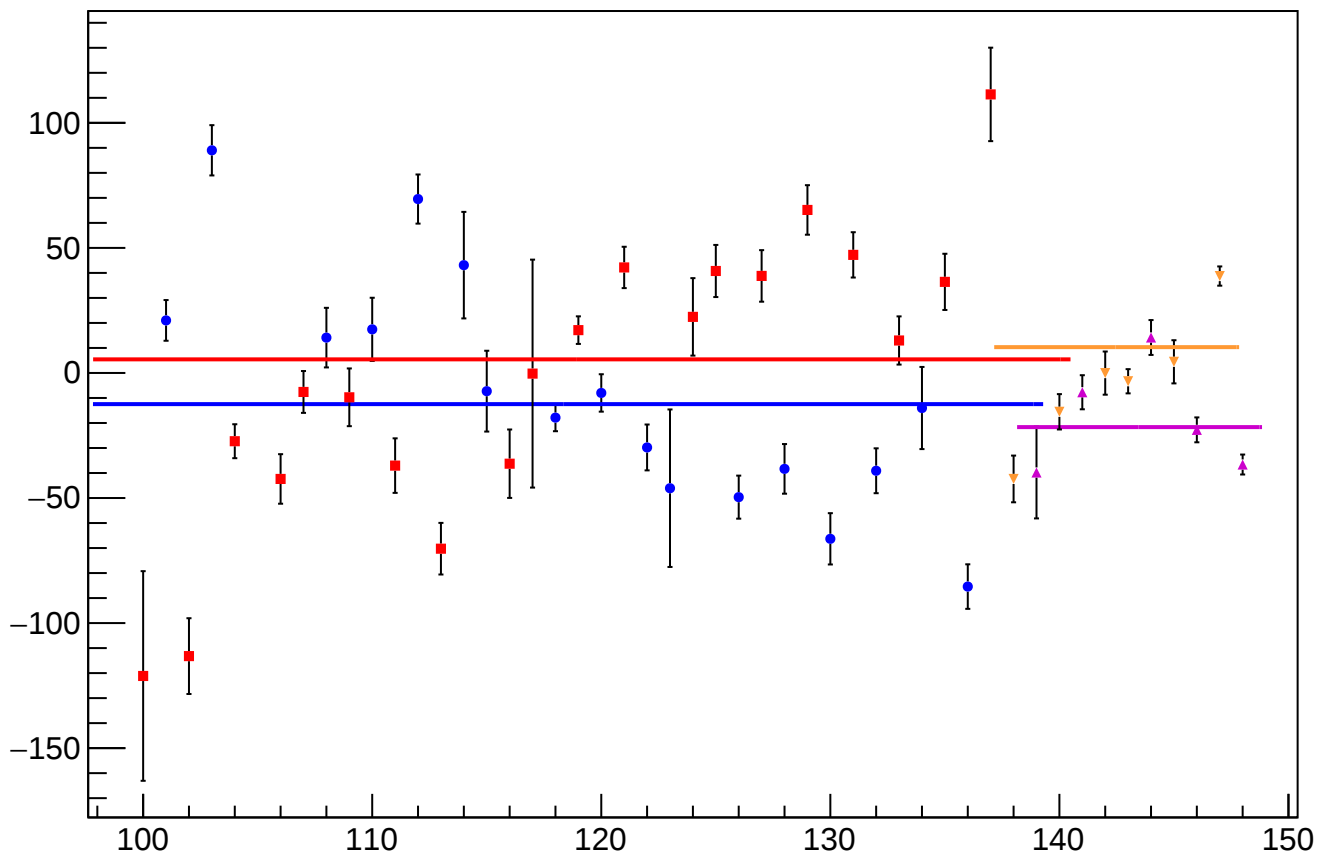
Left In: 510.282+/-4.111 χ^2/NDF :23.2/4

-426.720+/-3.666 χ^2/NDF : 1052.0/5

-11.597+/-2.736 χ^2/NDF : 30016.5/10

510.282+/-4.111 χ^2/NDF : 23.2/4

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: 10.324 ± 2.435 χ^2/NDF : 109.7/5

Right Out: 5.439 ± 2.256 χ^2/NDF : 345.0/19

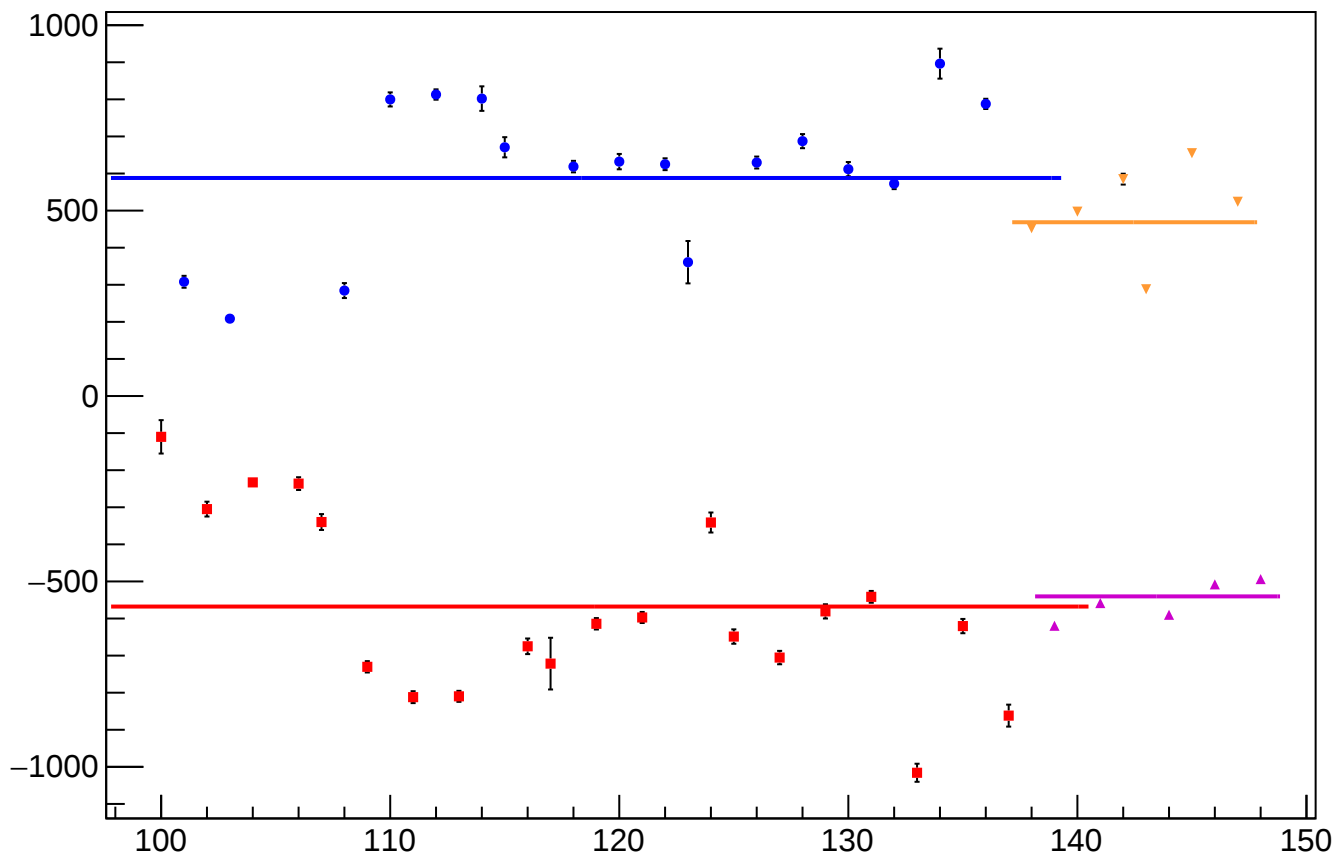
Left In: -21.647 ± 2.597 χ^2/NDF : 45.7/4

-1.480 ± 1.691 χ^2/NDF : 496.1/22

-3.827 ± 1.200 χ^2/NDF : 952.6/47

-6.209 ± 1.703 χ^2/NDF : 452.7/24

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: 468.635 ± 3.797 χ^2/NDF : 995.8/5

Right Out: -567.720 ± 4.129 χ^2/NDF : 2788.1/19

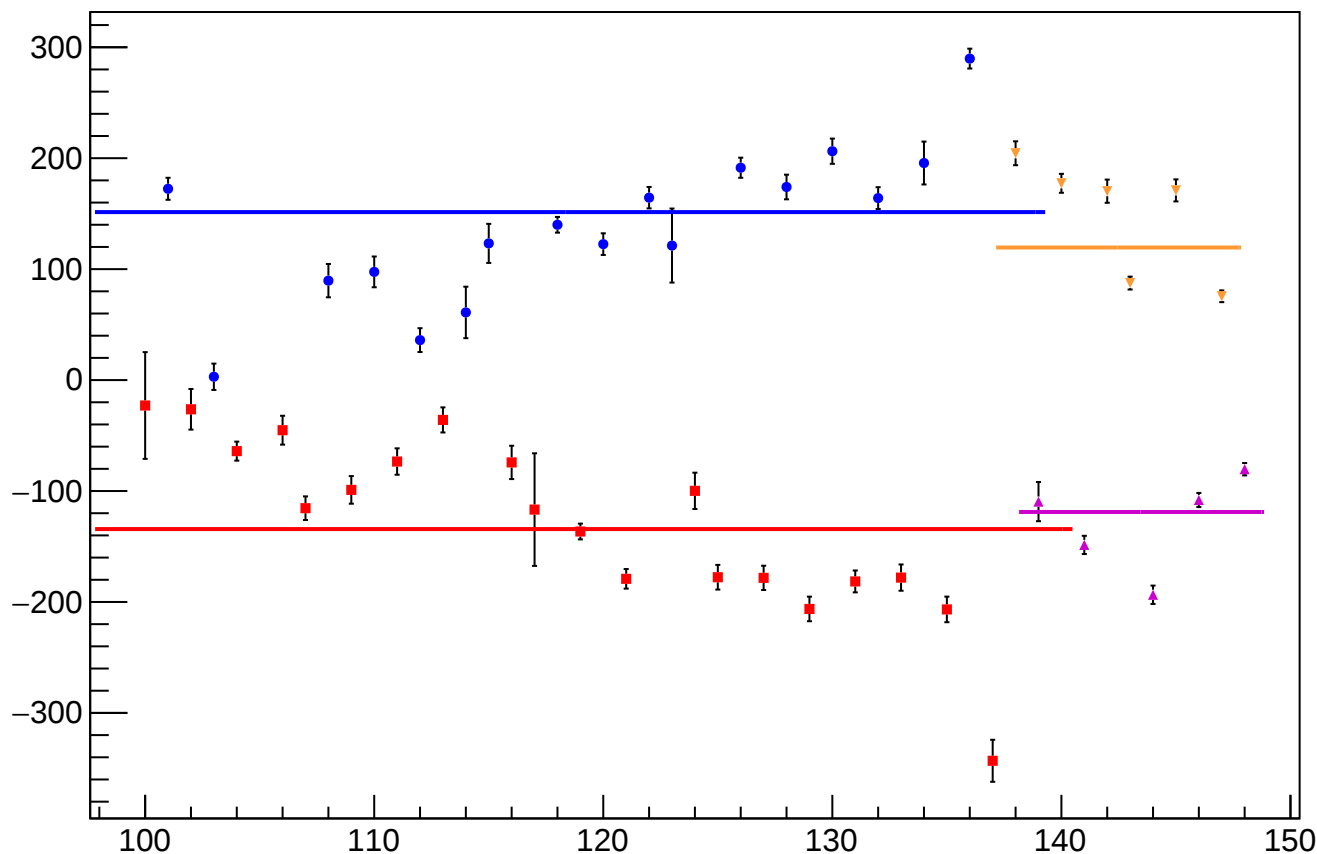
Left In: -540.322 ± 4.133 χ^2/NDF : 128.4/4

520.221 ± 2.862 χ^2/NDF : 3552.4/22

-5.860 ± 2.044 χ^2/NDF : 75509.0/47

-554.036 ± 2.921 χ^2/NDF : 2938.4/24

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 $\pm$ 2.709 χ^2/NDF : 633.3/16

Left Out: 119.501 $\pm$ 3.060 χ^2/NDF :257.7/5

Right Out: -134.299 $\pm$ 2.612 χ^2/NDF : 585.0/19

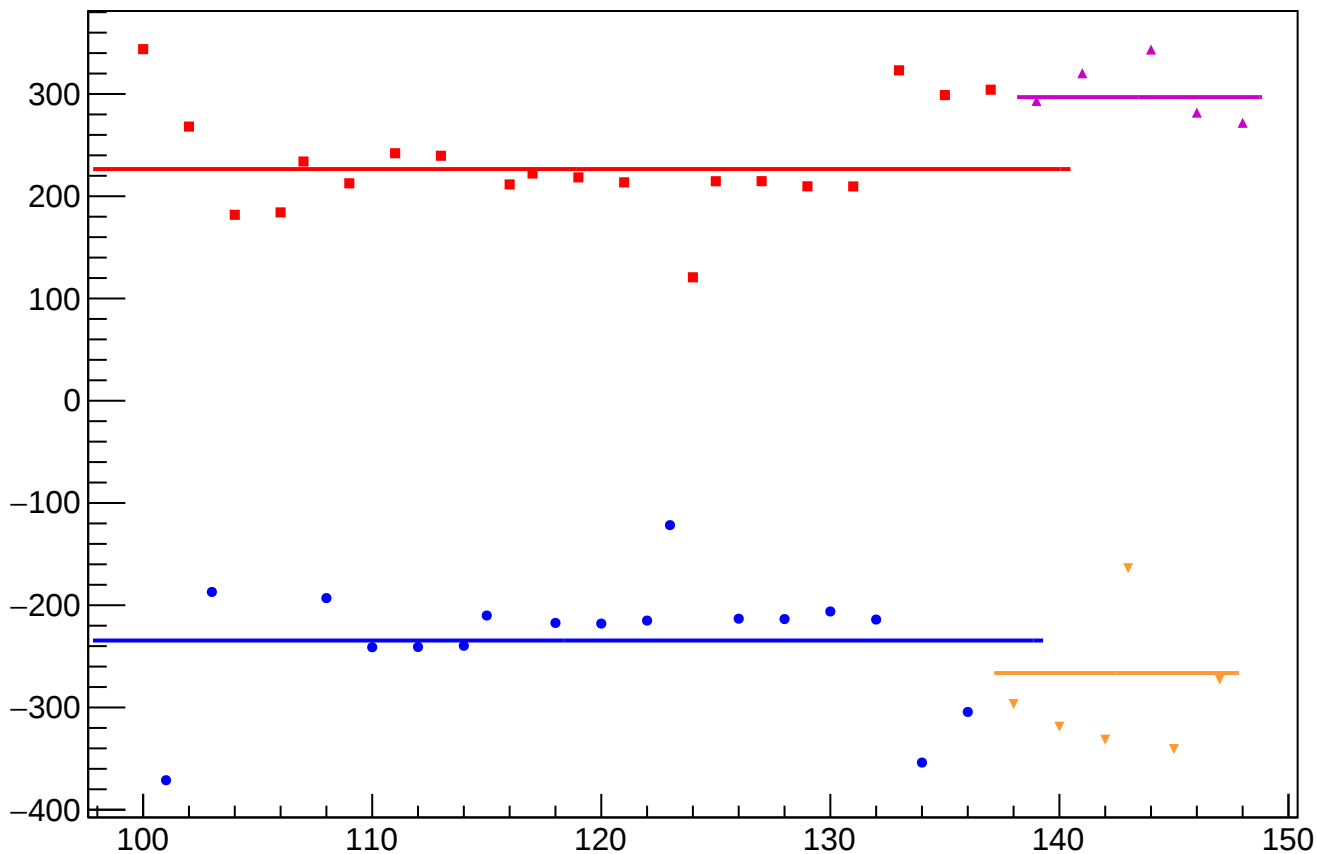
Left In: -118.882 $\pm$ 3.345 χ^2/NDF :145.4/4

137.395 $\pm$ 2.028 χ^2/NDF : 952.0/22

6.435 $\pm$ 1.445 χ^2/NDF : 10157.5/47

-128.459 $\pm$ 2.059 χ^2/NDF : 743.6/24

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: -266.322+/-0.160 χ^2/NDF : 180660.7/5

Right Out: 226.572+/-0.141 χ^2/NDF : 98970.7/19

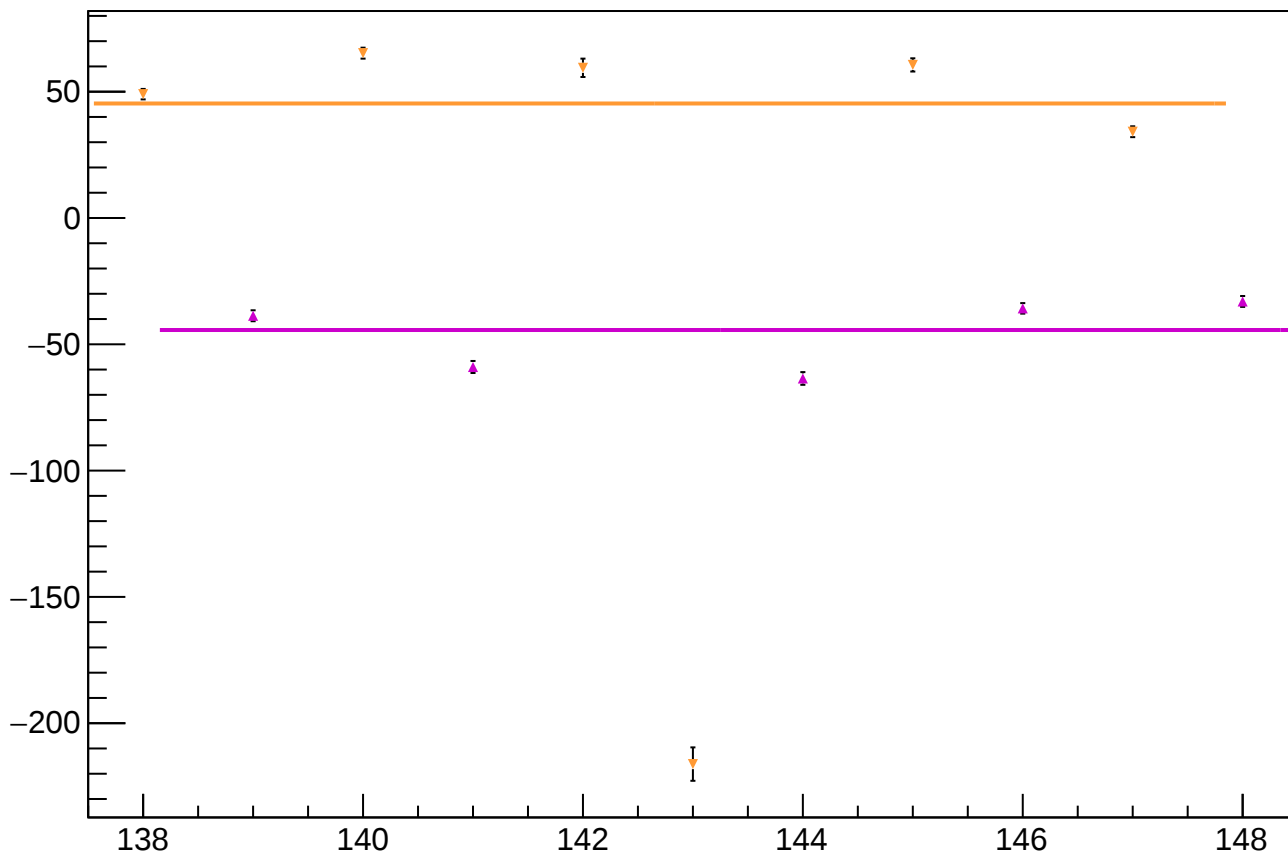
Left In: 296.938+/-0.173 χ^2/NDF : 20992.8/4

-249.308+/-0.109 χ^2/NDF : 346922.4/22

1.536+/-0.077 χ^2/NDF : 11212208.4/47

254.684+/-0.109 χ^2/NDF : 219080.1/24

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 45.329+/-1.050 χ^2/NDF : 1727.6/5

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

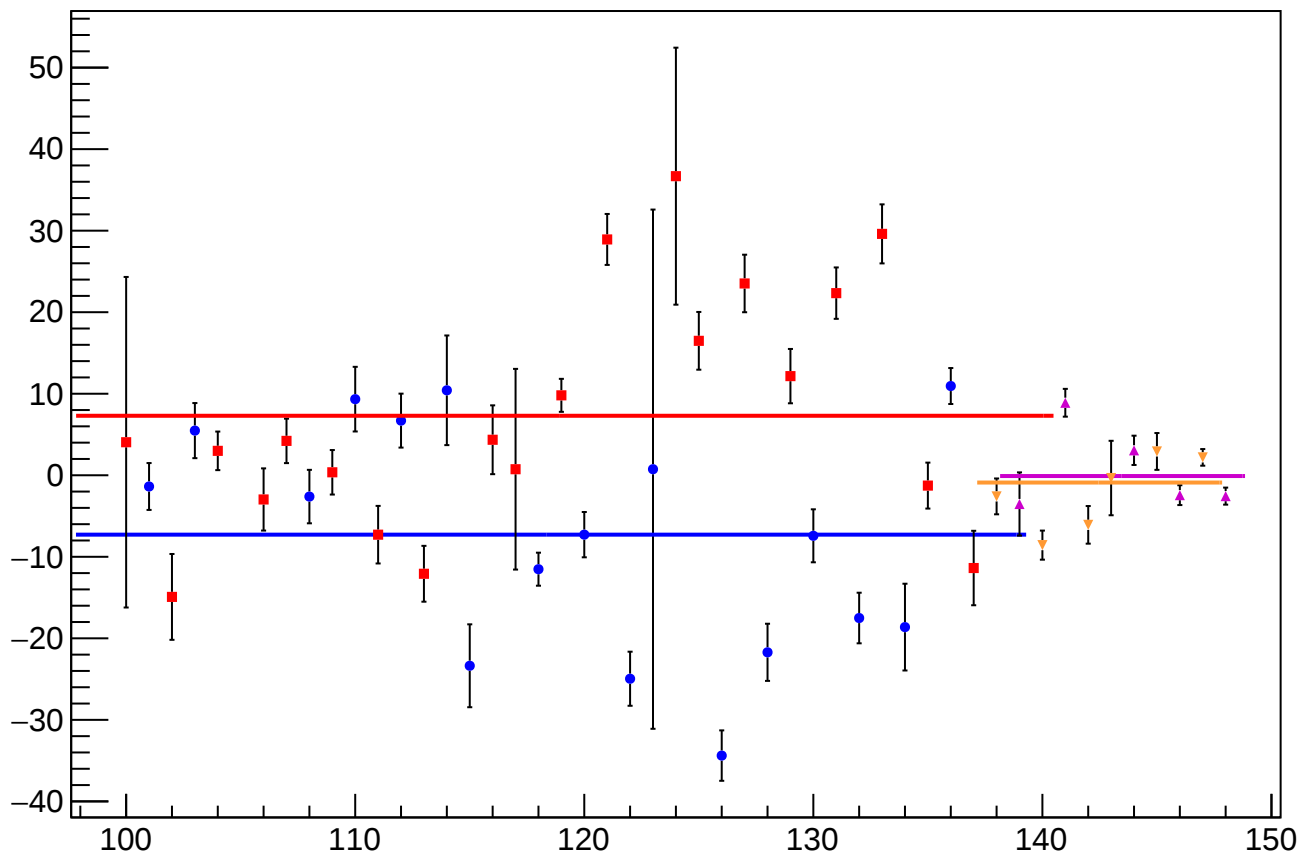
Left In: -44.341+/-1.003 χ^2/NDF : 147.3/4

45.329+/-1.050 χ^2/NDF : 1727.6/5

-1.554+/-0.725 χ^2/NDF : 5689.6/10

-44.341+/-1.003 χ^2/NDF : 147.3/4

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: -0.892 ± 0.723 χ^2/NDF : 36.2/5

Right Out: 7.298 ± 0.759 χ^2/NDF : 255.6/19

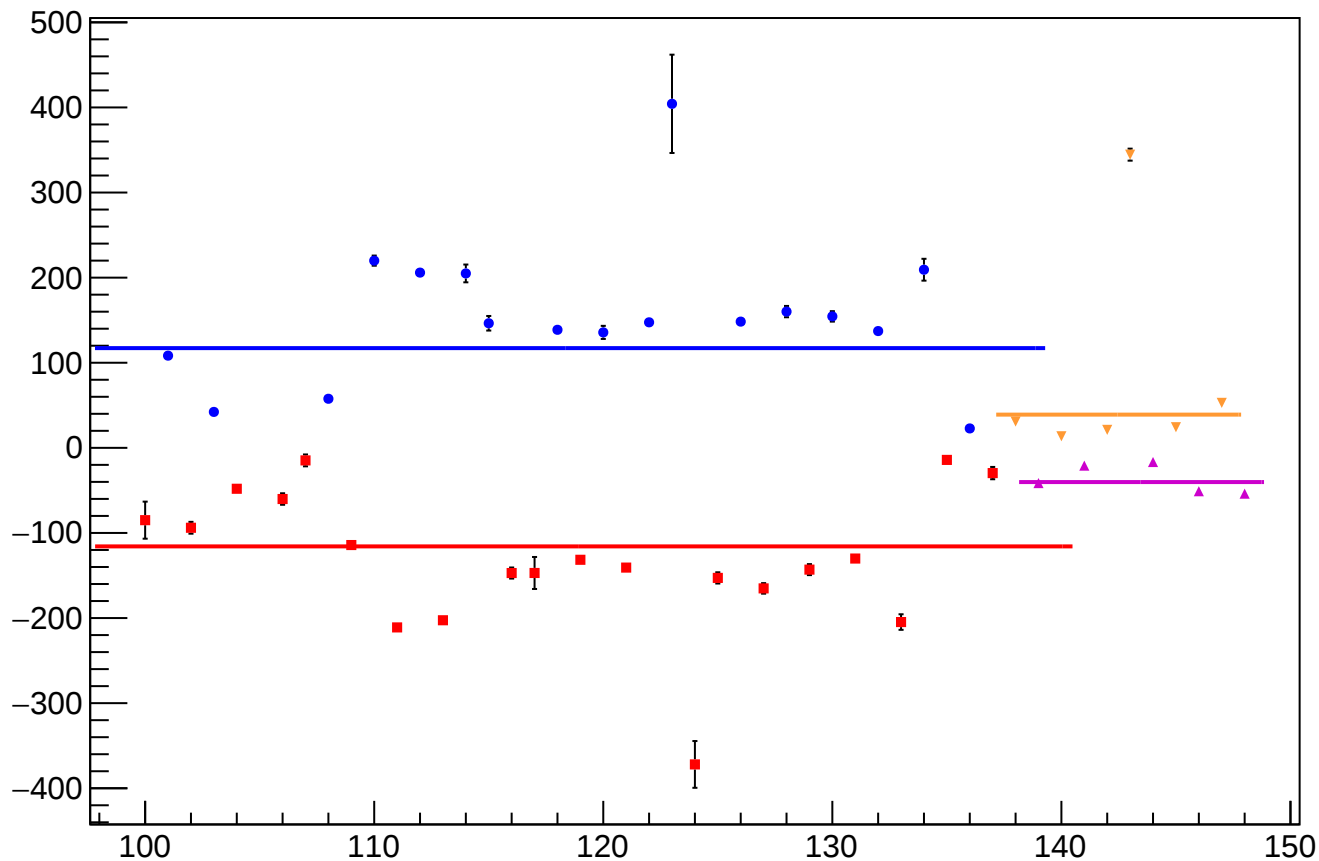
Left In: -0.095 ± 0.658 χ^2/NDF : 40.9/4

-3.809 ± 0.533 χ^2/NDF : 355.1/22

-0.130 ± 0.363 χ^2/NDF : 795.0/47

3.074 ± 0.497 χ^2/NDF : 350.7/24

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 39.040 ± 1.081 χ^2/NDF : 2106.0/5

Right Out: -115.795 ± 1.357 χ^2/NDF : 2140.4/19

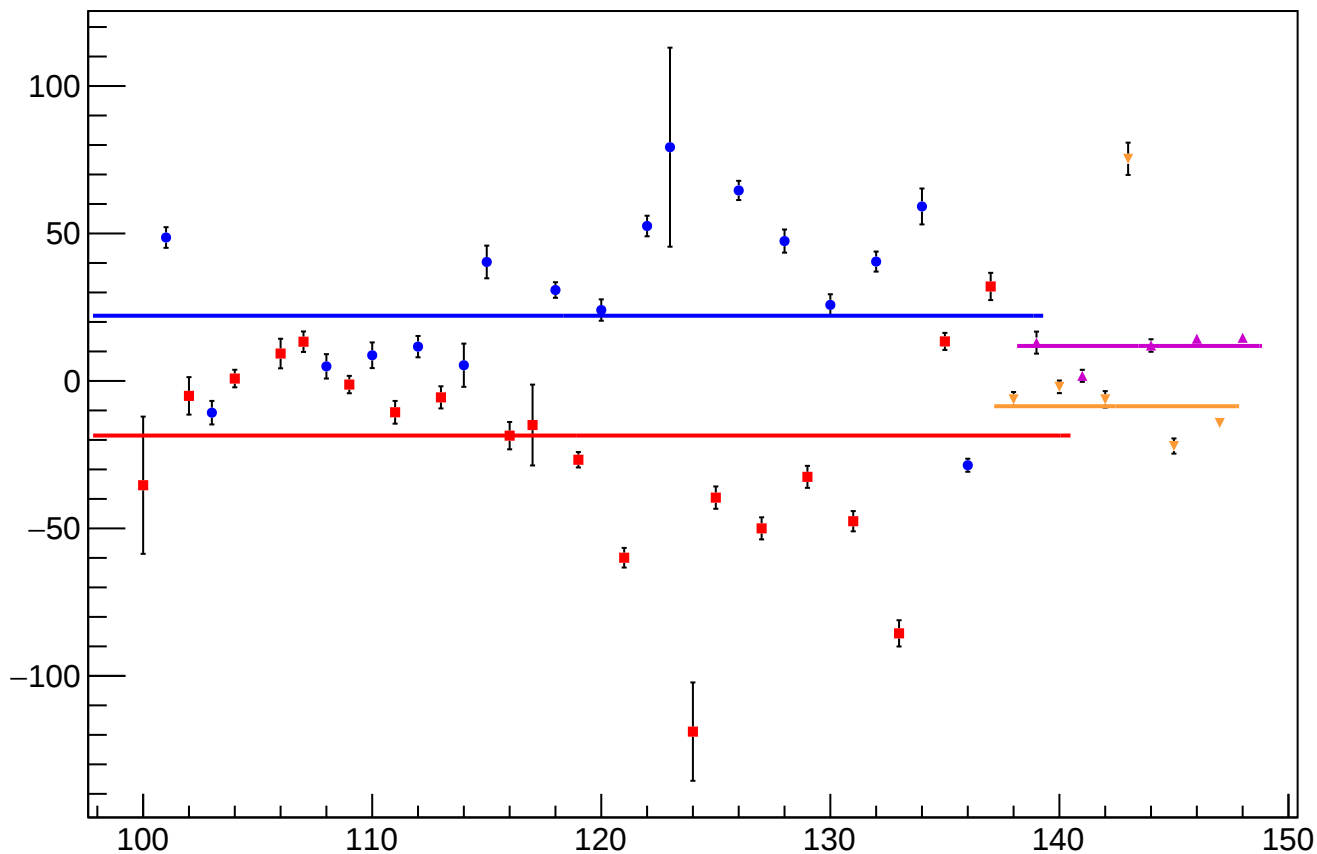
Left In: -40.212 ± 1.014 χ^2/NDF : 210.1/4

67.815 ± 0.859 χ^2/NDF : 6190.3/22

-3.547 ± 0.590 χ^2/NDF : 23581.2/47

-67.266 ± 0.812 χ^2/NDF : 4341.0/24

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: -8.574+/-0.913 χ^2/NDF : 289.5/5

Right Out: -18.506+/-0.869 χ^2/NDF : 1068.6/19

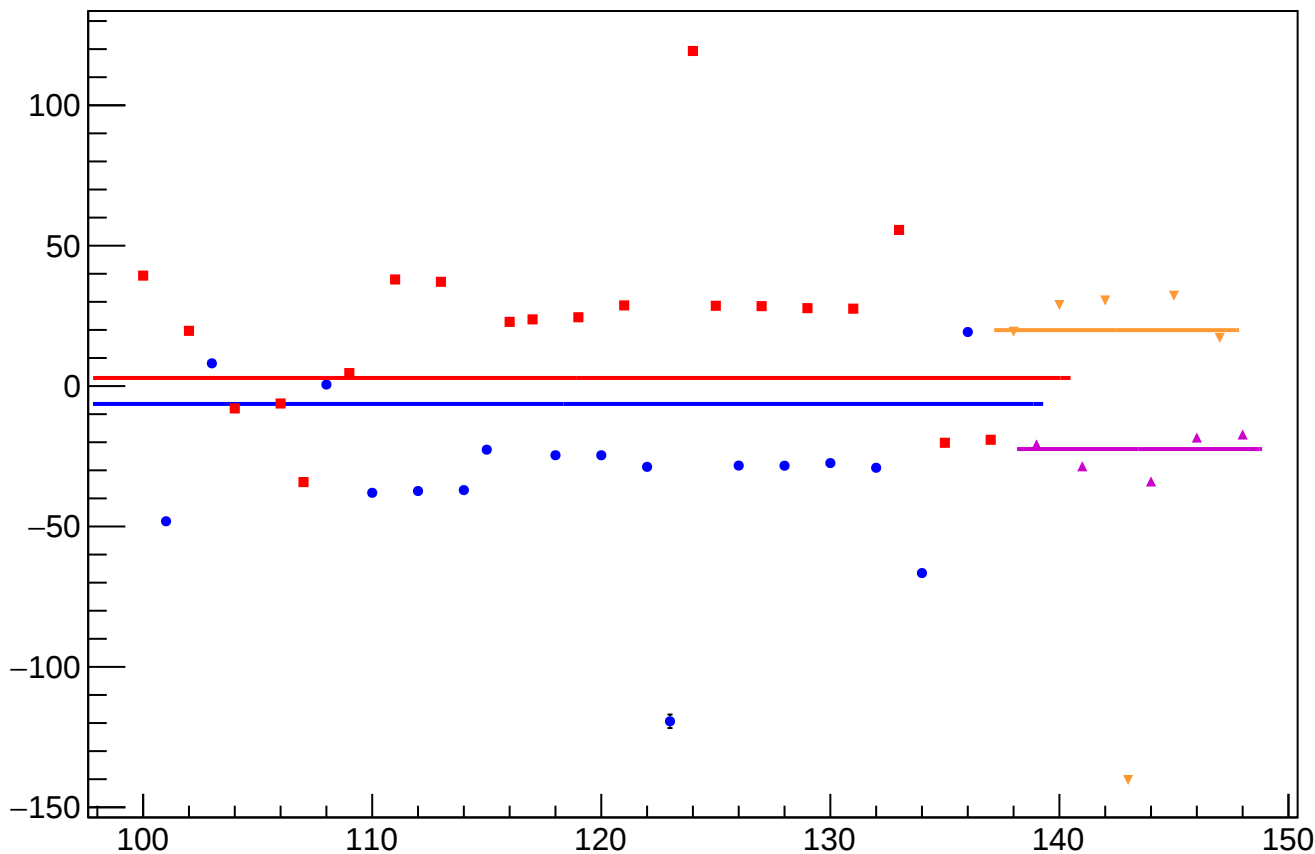
Left In: 11.869+/-0.842 χ^2/NDF : 30.7/4

7.015+/-0.640 χ^2/NDF : 1934.0/22

1.815+/-0.440 χ^2/NDF : 3788.4/47

-2.825+/-0.605 χ^2/NDF : 1729.5/24

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 19.925 ± 0.046 $\chi^2/\text{NDF}: 346618.6/5$

Right Out: 2.896 ± 0.046 $\chi^2/\text{NDF}: 266162.6/19$

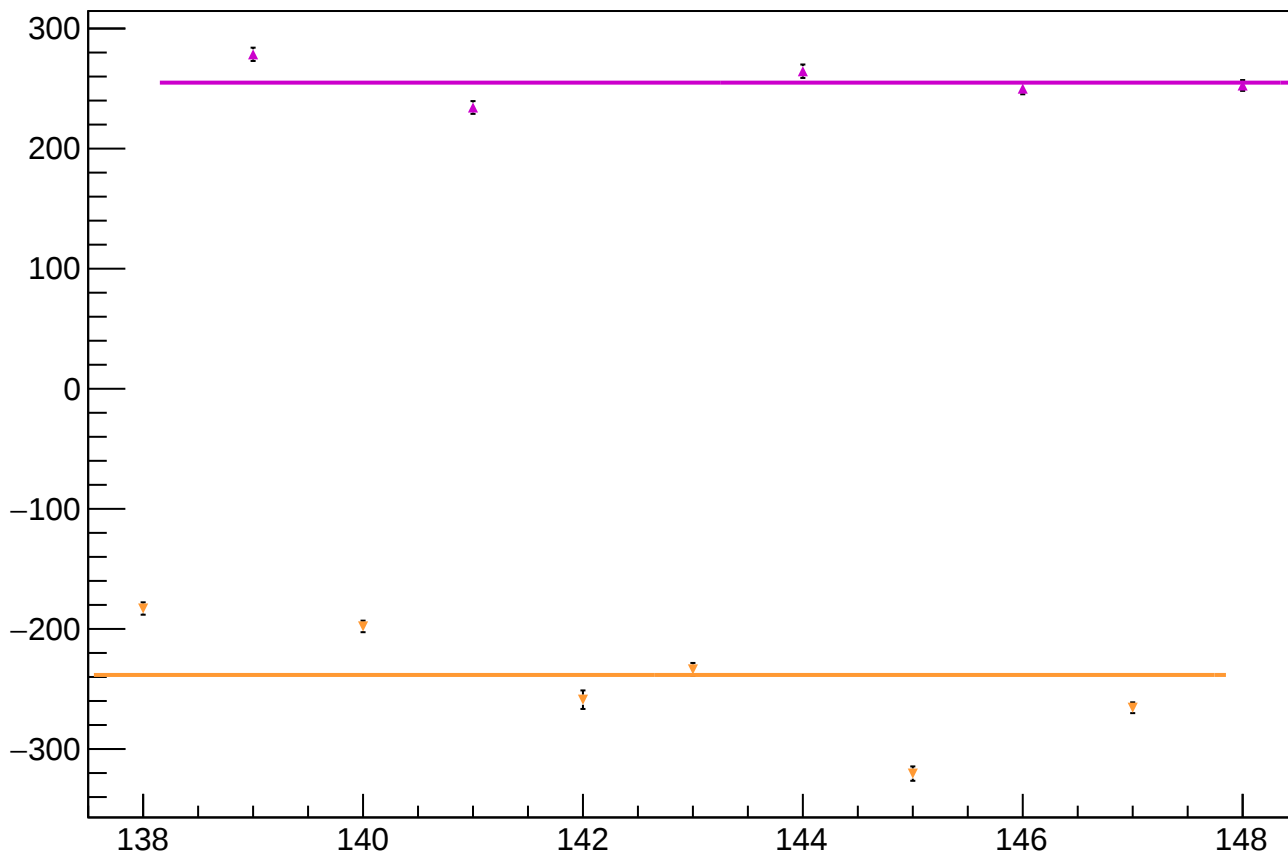
Left In: -22.421 ± 0.042 $\chi^2/\text{NDF}: 19254.1/4$

7.015 ± 0.032 $\chi^2/\text{NDF}: 775269.7/22$

-2.358 ± 0.022 $\chi^2/\text{NDF}: 1386341.0/47$

-10.847 ± 0.031 $\chi^2/\text{NDF}: 452149.7/24$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -238.317+/-2.185 χ^2/NDF : 418.5/5

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

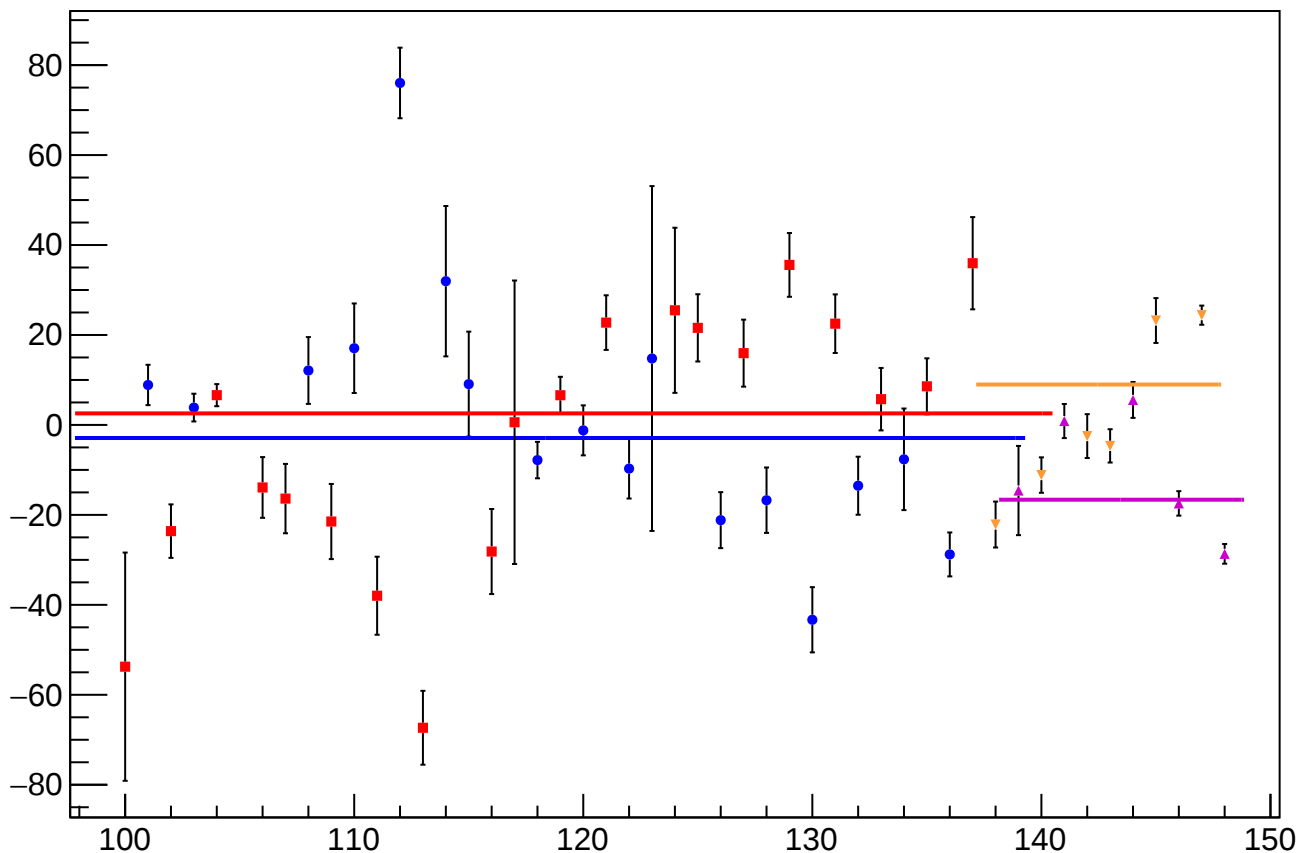
Left In: 254.932+/-2.272 χ^2/NDF : 37.4/4

-238.317+/-2.185 χ^2/NDF : 418.5/5

-1.345+/-1.575 χ^2/NDF : 24939.4/10

254.932+/-2.272 χ^2/NDF : 37.4/4

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: 8.986 ± 1.446 χ^2/NDF : 142.9/5

Right Out: 2.566 ± 1.395 χ^2/NDF : 218.2/19

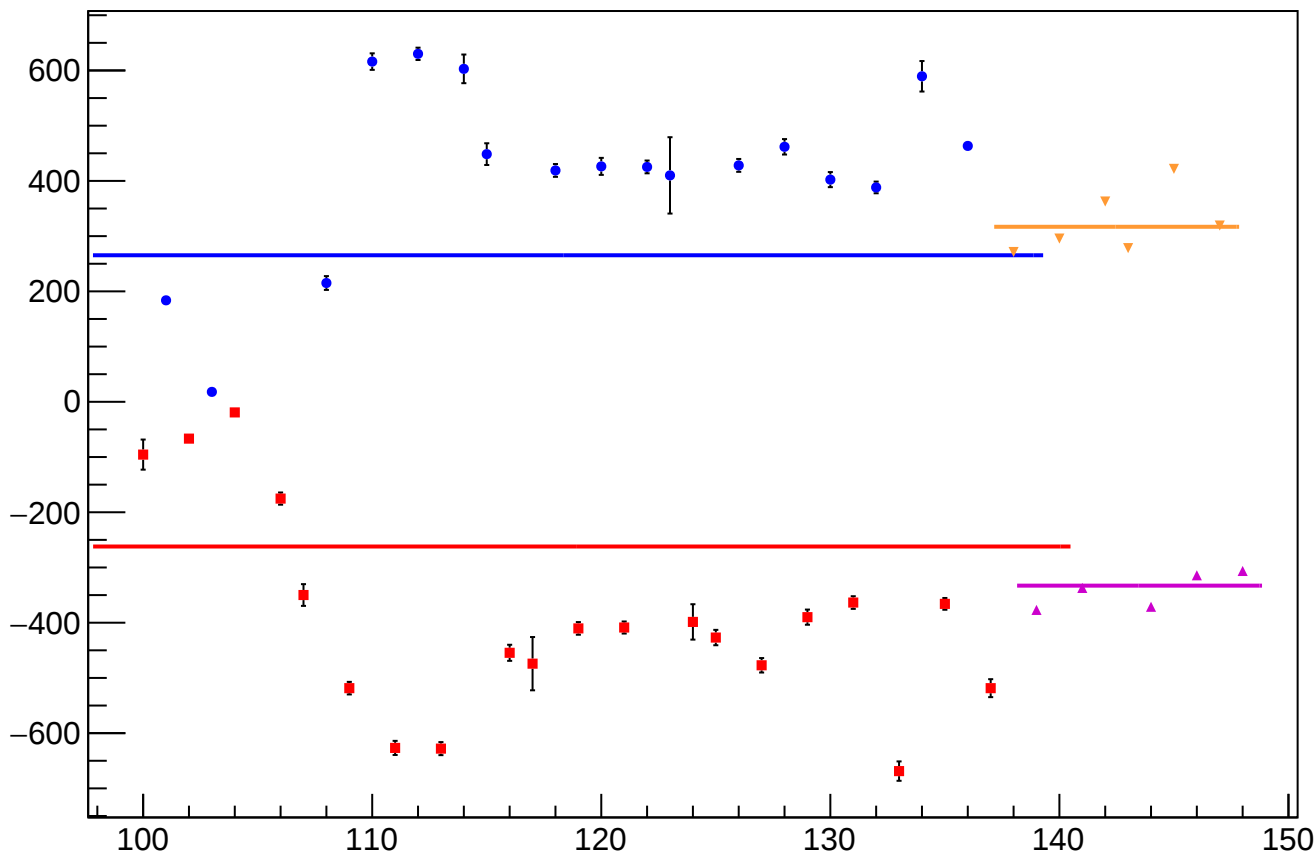
Left In: -16.626 ± 1.433 χ^2/NDF : 82.6/4

3.129 ± 1.030 χ^2/NDF : 379.8/22

-1.969 ± 0.717 χ^2/NDF : 820.3/47

-6.772 ± 1.000 χ^2/NDF : 392.9/24

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 $\pm$ 2.488 χ^2/NDF : 7633.8/16

Left Out: 316.936 $\pm$ 2.253 χ^2/NDF : 438.1/5

Right Out: -262.016 $\pm$ 2.455 χ^2/NDF : 8223.7/19

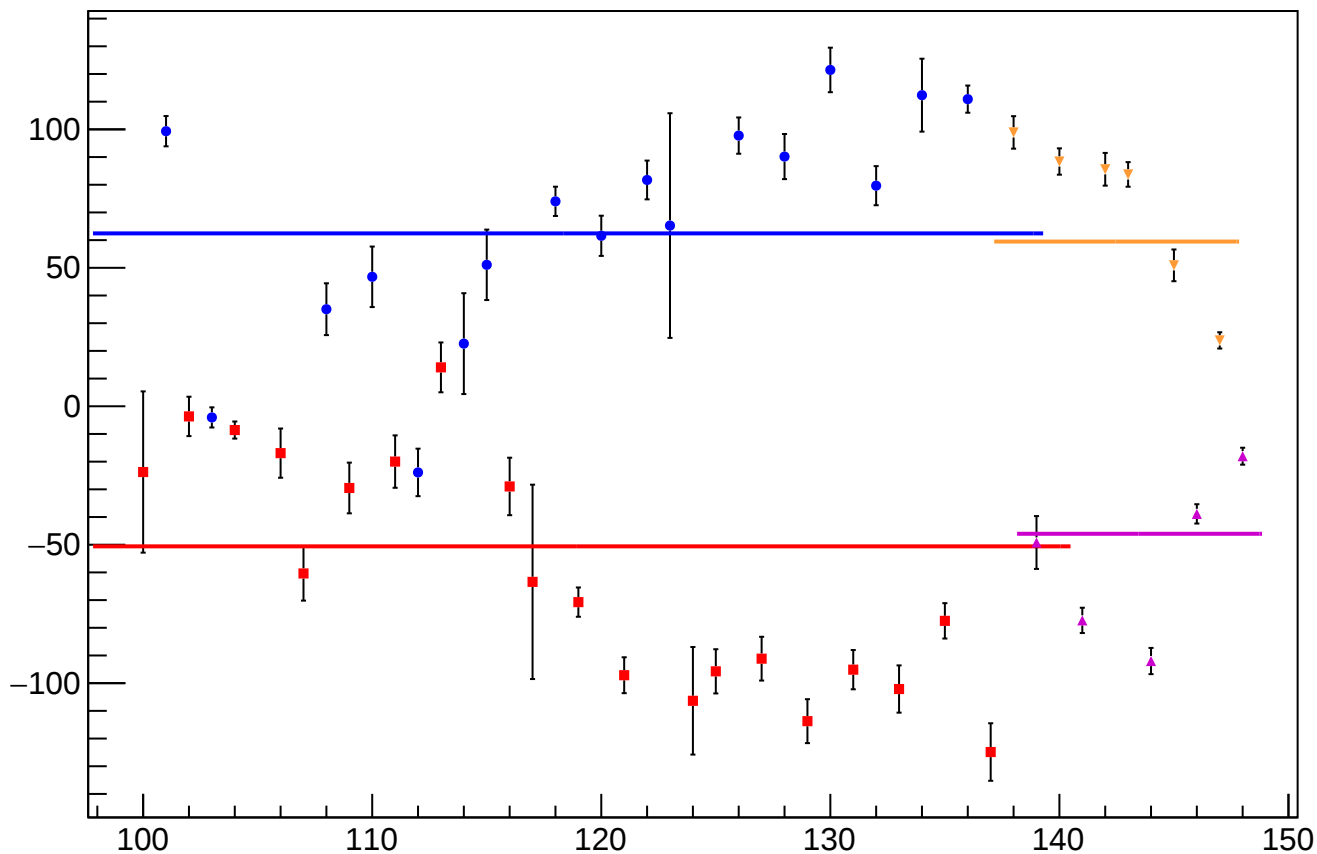
Left In: -332.872 $\pm$ 2.283 χ^2/NDF : 151.5/4

293.707 $\pm$ 1.670 χ^2/NDF : 8308.0/22

-2.850 $\pm$ 1.181 χ^2/NDF : 80272.9/47

-300.015 $\pm$ 1.672 χ^2/NDF : 8822.0/24

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: 59.482+/-1.830 χ^2/NDF : 281.1/5

Right Out: -50.588+/-1.640 χ^2/NDF : 657.5/19

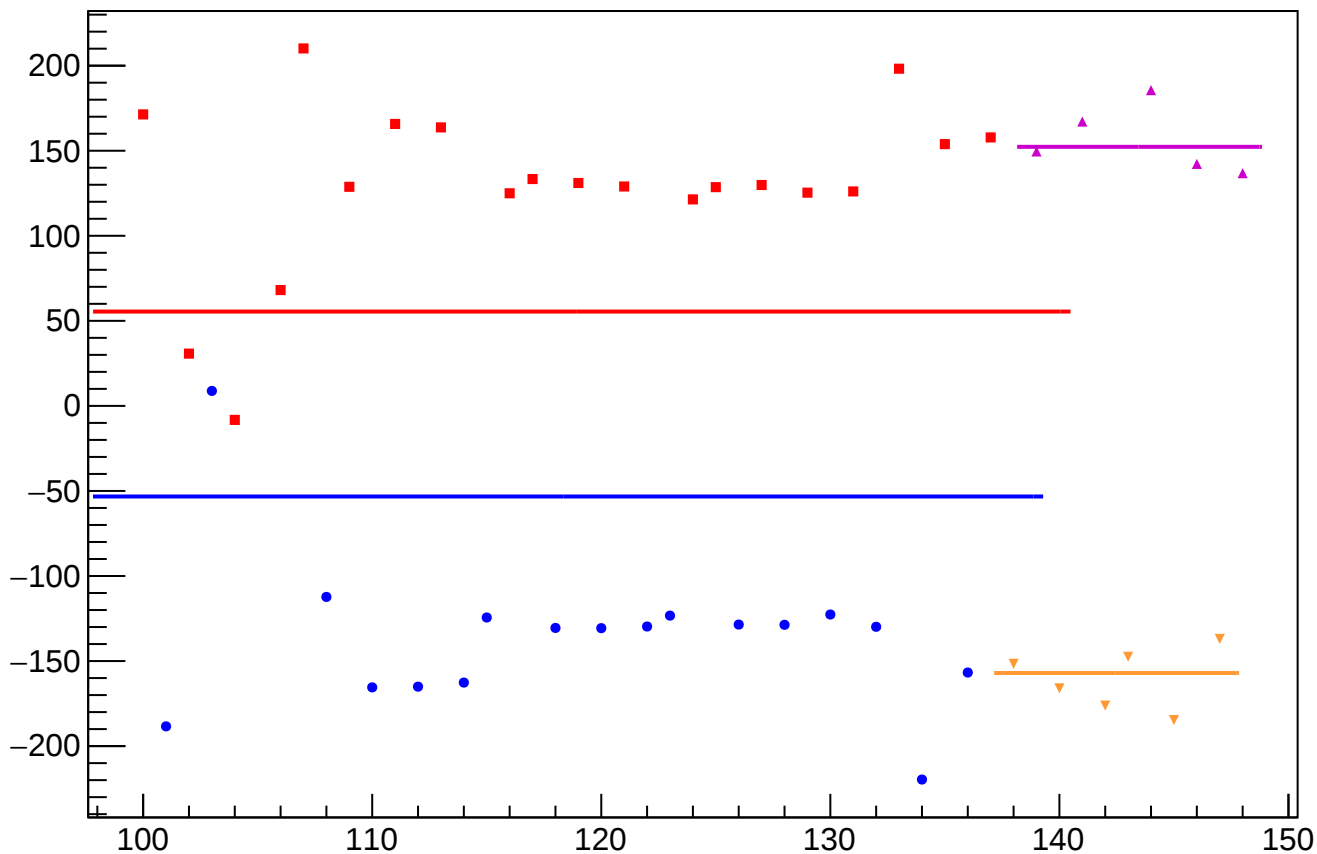
Left In: -46.048+/-1.849 χ^2/NDF : 229.3/4

61.071+/-1.243 χ^2/NDF : 1004.3/22

5.532+/-0.873 χ^2/NDF : 5836.9/47

-48.589+/-1.227 χ^2/NDF : 890.2/24

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -157.017 $\pm$ 0.095 χ^2 /NDF: 29918.6/5

Right Out: 55.455 $\pm$ 0.072 χ^2 /NDF: 968274.5/19

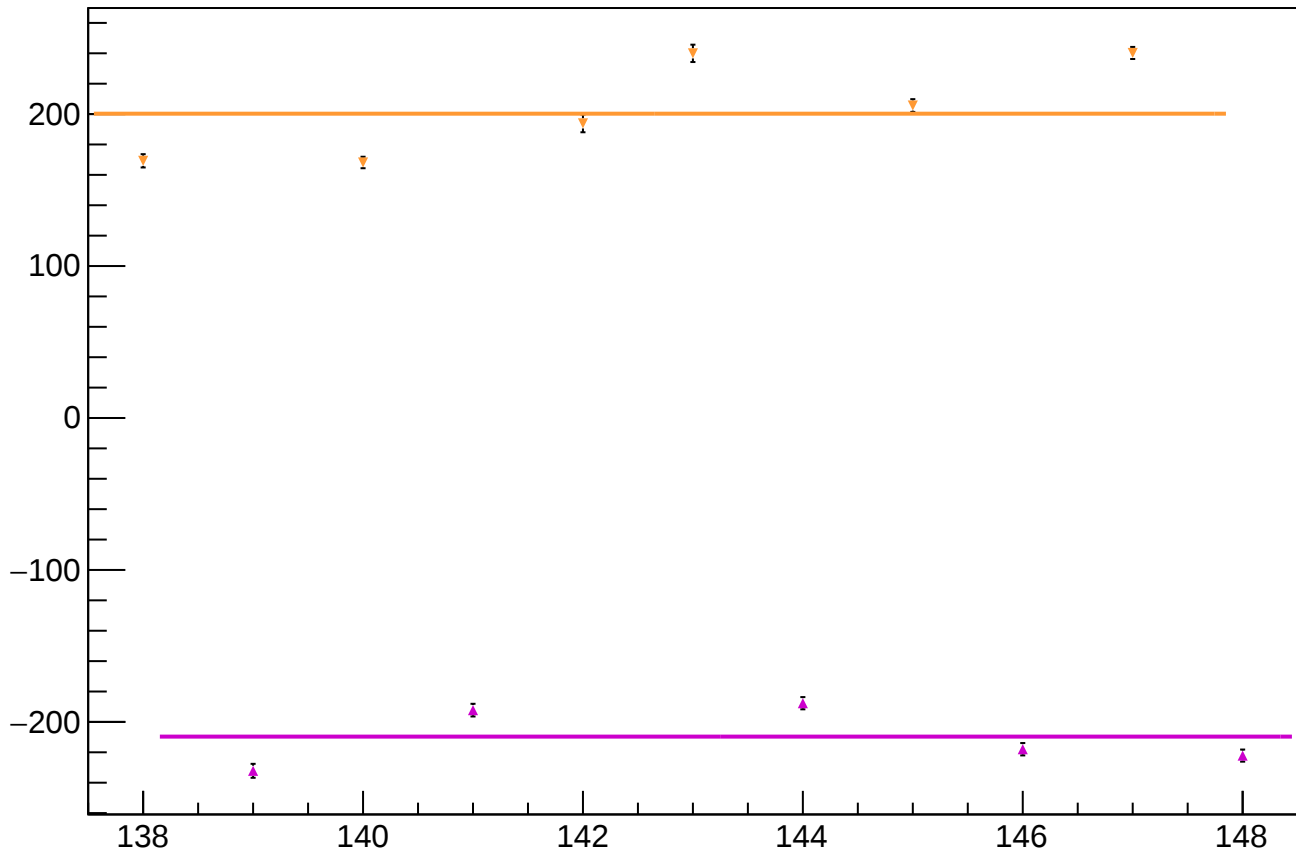
Left In: 152.295 $\pm$ 0.095 χ^2 /NDF: 30126.9/4

-89.855 $\pm$ 0.057 χ^2 /NDF: 2021171.8/22

-0.924 $\pm$ 0.040 χ^2 /NDF: 8673940.5/47

90.508 $\pm$ 0.057 χ^2 /NDF: 1654790.7/24

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 200.259+/-1.820 χ^2/NDF : 274.6/5

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

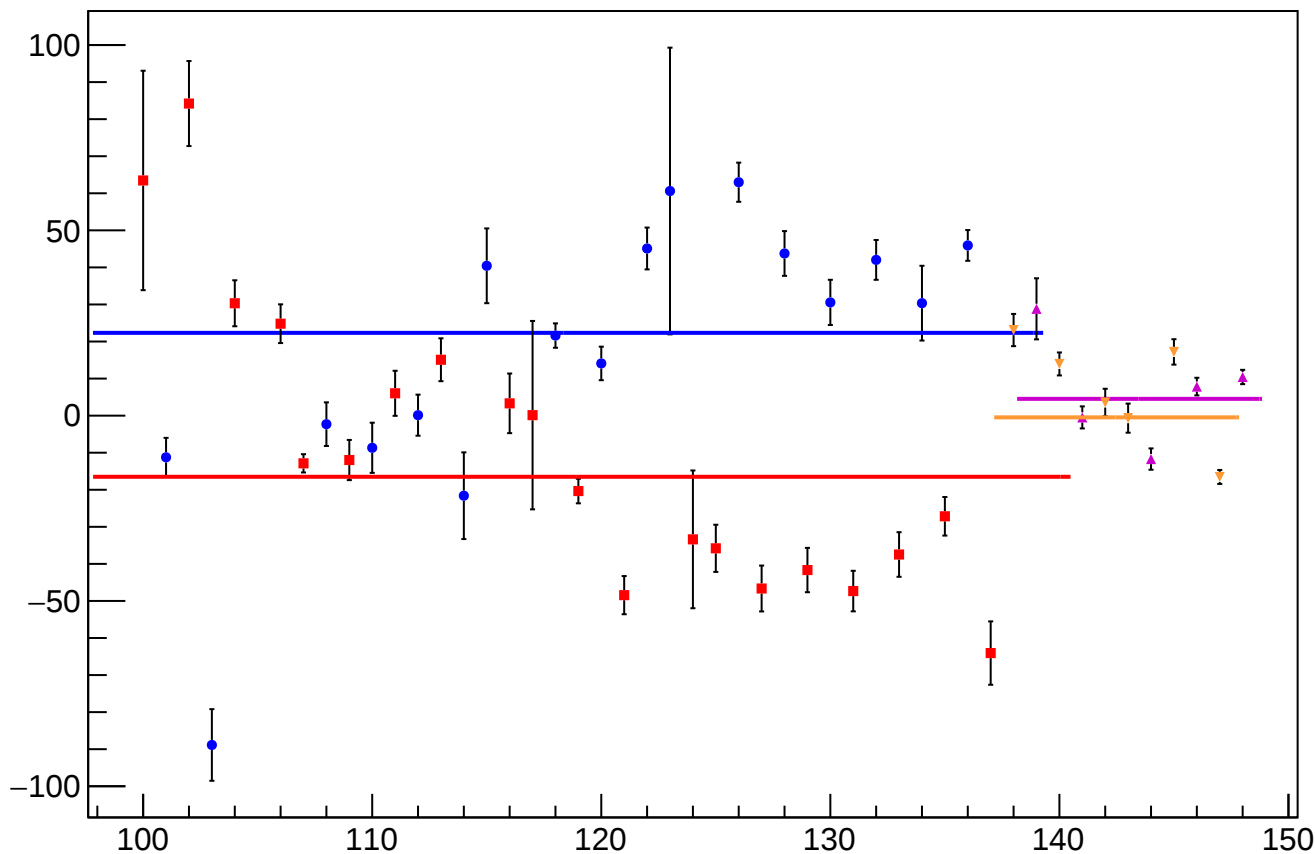
Left In: -209.672+/-1.858 χ^2/NDF : 85.2/4

200.259+/-1.820 χ^2/NDF : 274.6/5

-0.442+/-1.300 χ^2/NDF : 25198.8/10

-209.672+/-1.858 χ^2/NDF : 85.2/4

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: -0.464 $\pm$ 1.229 χ^2 /NDF: 151.5/5

Right Out: -16.498 $\pm$ 1.226 χ^2 /NDF: 427.0/19

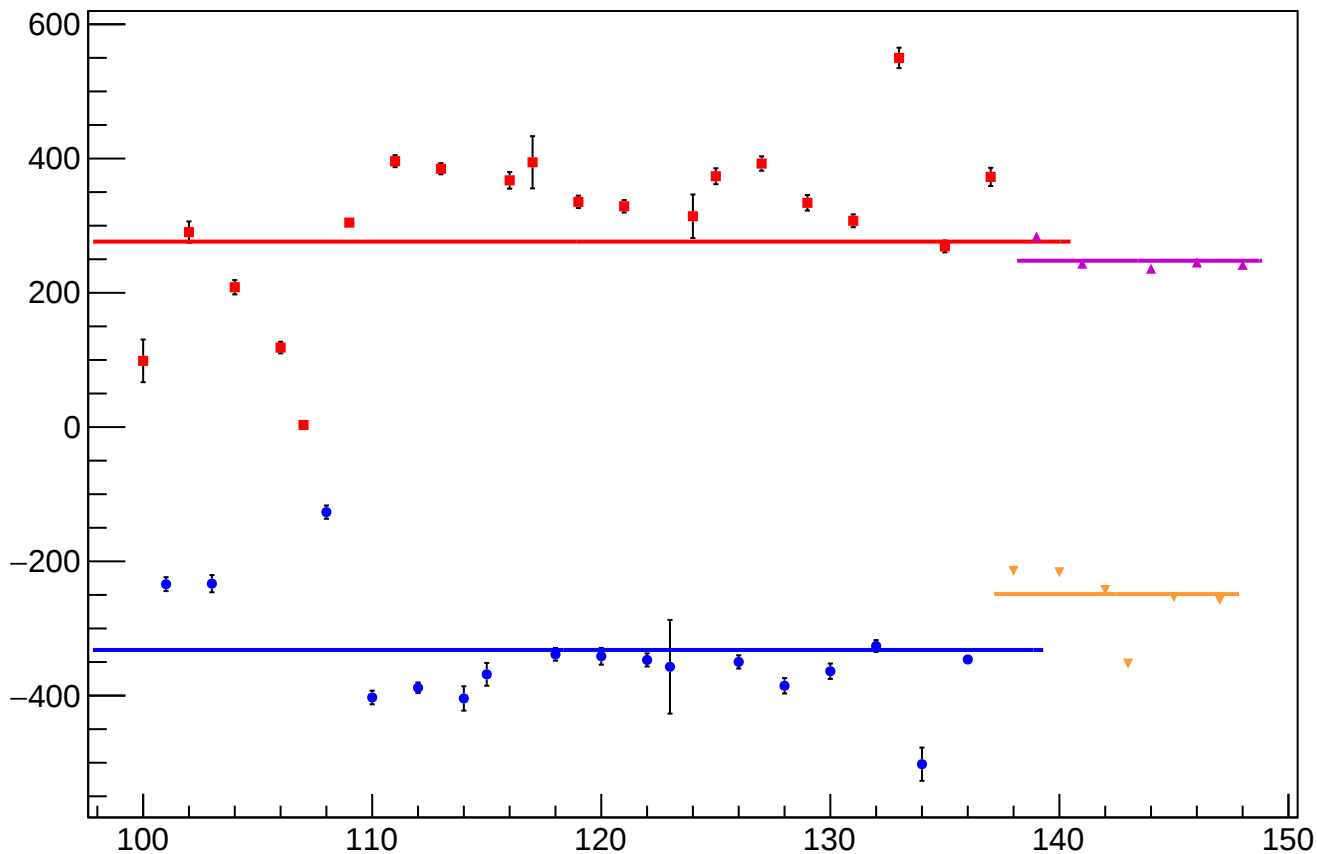
Left In: 4.529 $\pm$ 1.201 χ^2 /NDF: 54.7/4

9.503 $\pm$ 0.922 χ^2 /NDF: 687.8/22

1.315 $\pm$ 0.628 χ^2 /NDF: 1466.6/47

-5.768 $\pm$ 0.858 χ^2 /NDF: 631.8/24

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989 ± 2.580 $\chi^2/\text{NDF}: 785.0/16$

Left Out: -248.725 ± 1.885 $\chi^2/\text{NDF}: 414.1/5$

Right Out: 276.265 ± 2.320 $\chi^2/\text{NDF}: 3371.5/19$

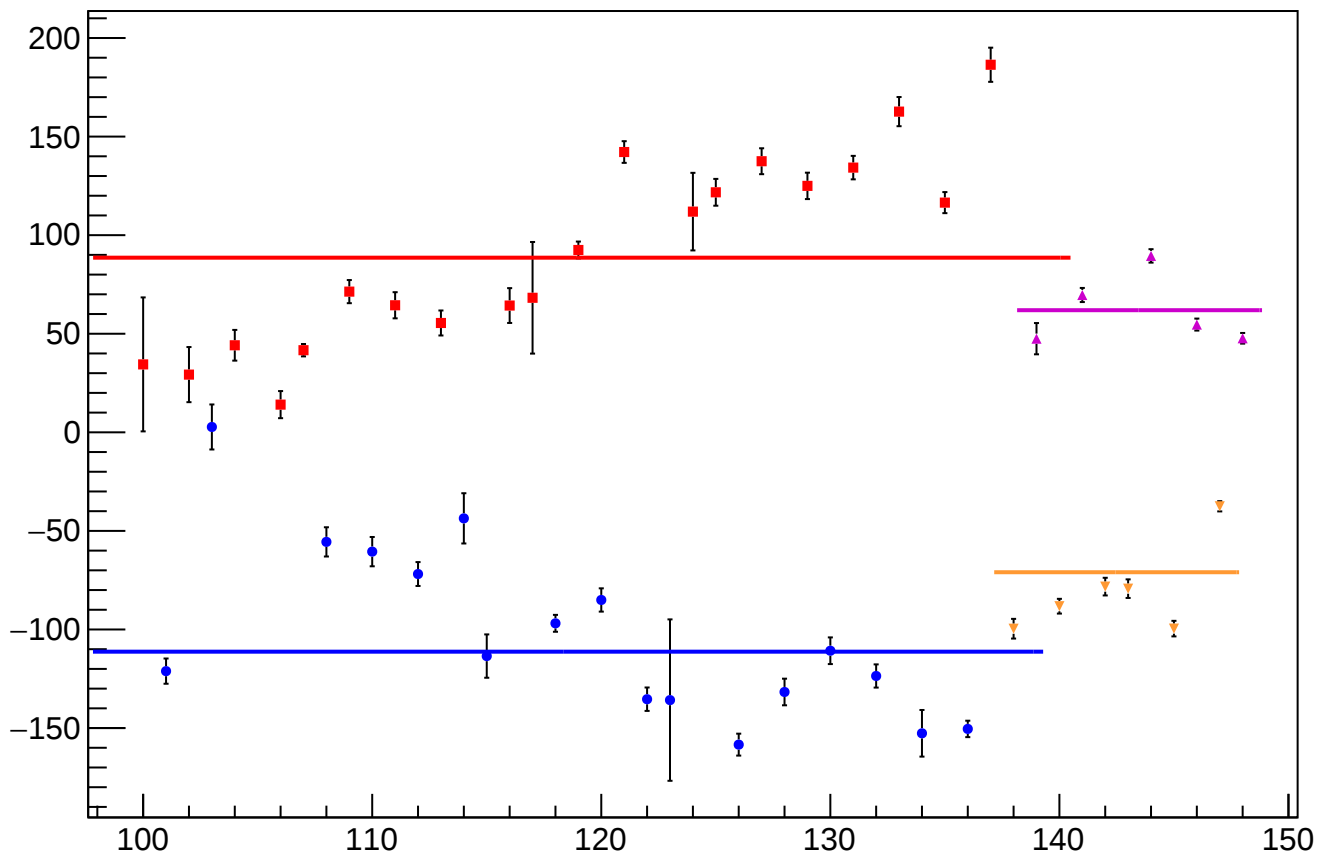
Left In: 247.767 ± 1.881 $\chi^2/\text{NDF}: 64.2/4$

-277.694 ± 1.522 $\chi^2/\text{NDF}: 1878.1/22$

1.588 ± 1.054 $\chi^2/\text{NDF}: 70124.8/47$

259.069 ± 1.461 $\chi^2/\text{NDF}: 3526.7/24$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -70.963 ± 1.545 $\chi^2/\text{NDF}: 278.2/5$

Right Out: 88.581 ± 1.431 $\chi^2/\text{NDF}: 971.5/19$

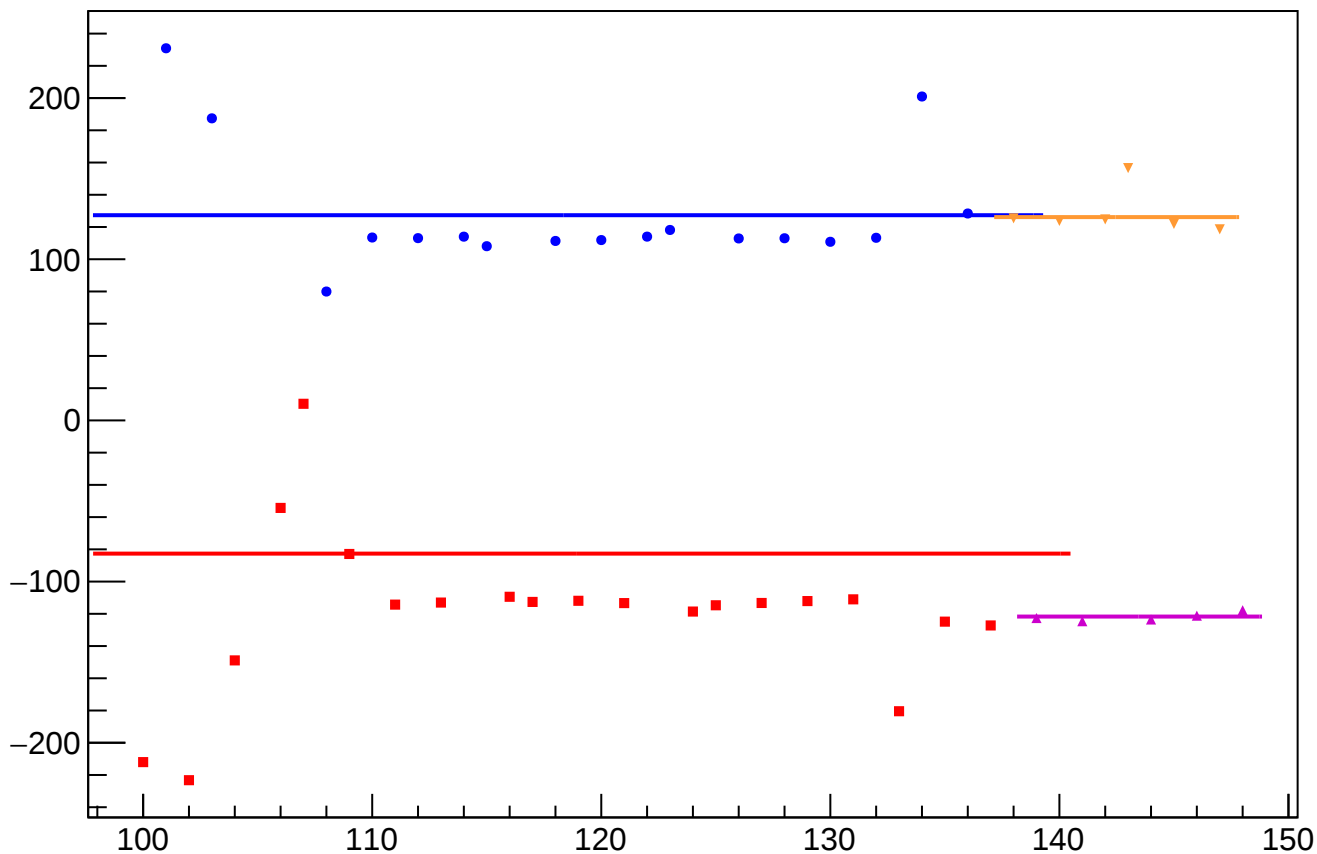
Left In: 61.943 ± 1.534 $\chi^2/\text{NDF}: 106.7/4$

-90.443 ± 1.111 $\chi^2/\text{NDF}: 1116.5/22$

-2.184 ± 0.762 $\chi^2/\text{NDF}: 14280.2/47$

76.184 ± 1.046 $\chi^2/\text{NDF}: 1239.4/24$

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: 126.664+/-0.079 χ^2/NDF :18132.2/5

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

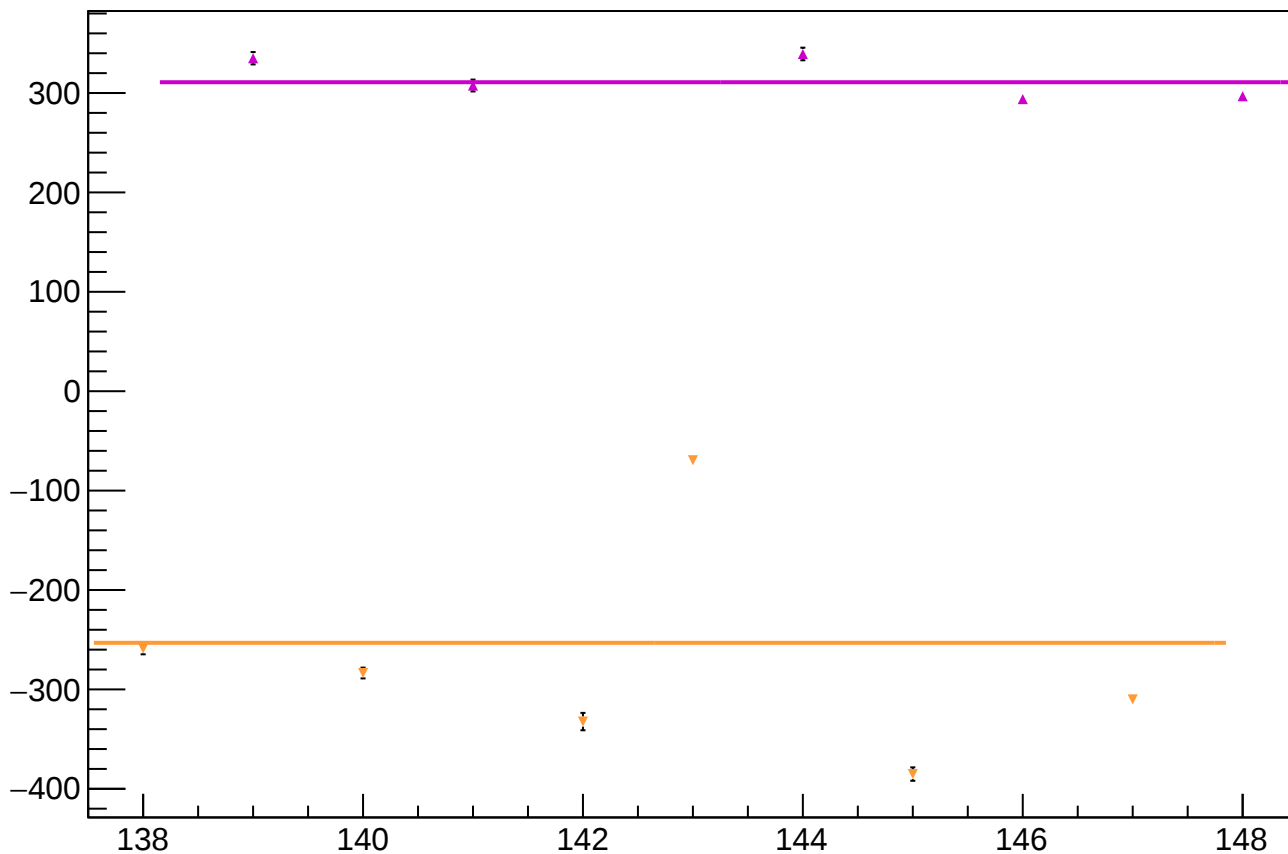
Left In: -121.705+/-0.079 χ^2/NDF :993.3/4

126.664+/-0.059 χ^2/NDF : 206005.6/22

2.632+/-0.040 χ^2/NDF : 9116020.2/47

-101.337+/-0.054 χ^2/NDF : 894999.6/24

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -253.115+/-2.340 χ^2/NDF : 2026.5/5

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

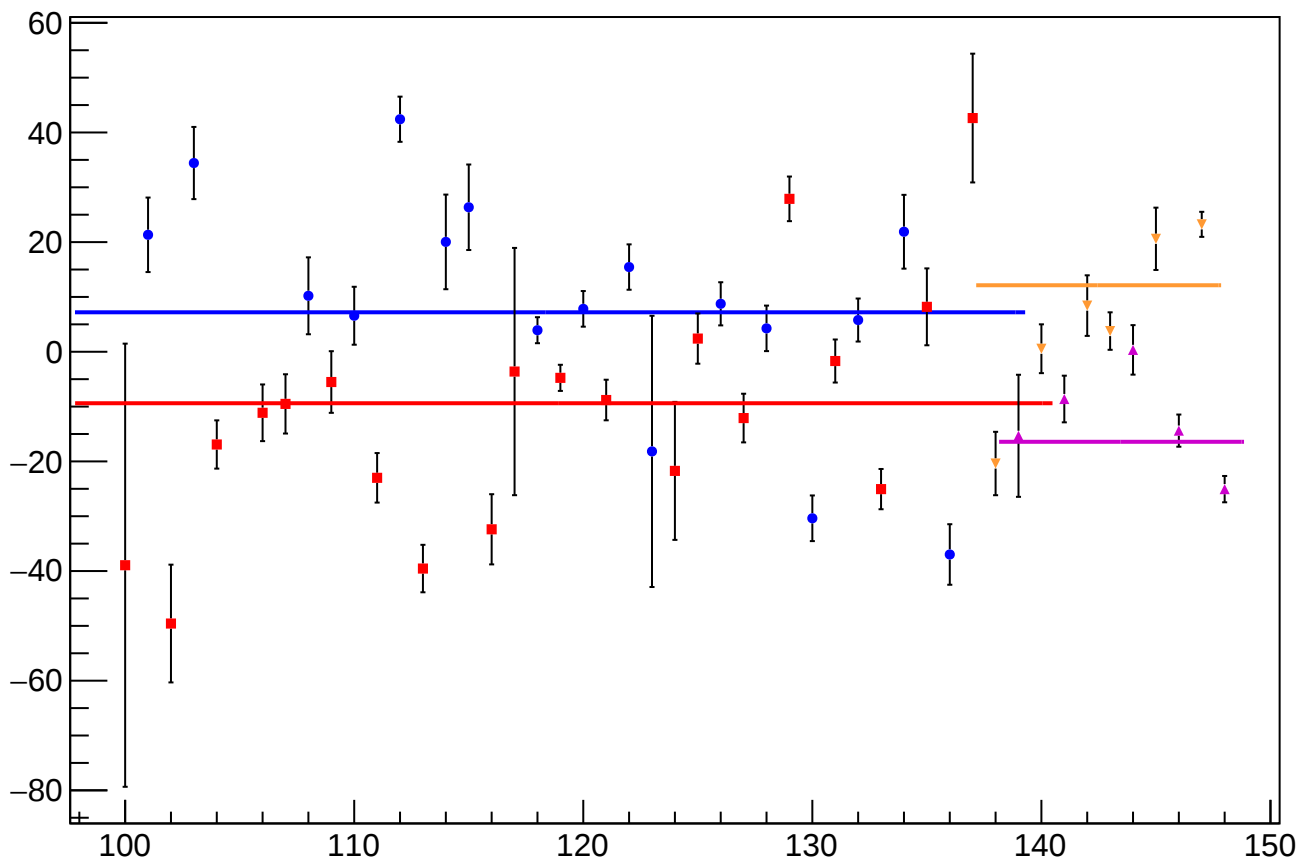
Left In: 310.854+/-2.513 χ^2/NDF : 54.7/4

-253.115+/-2.340 χ^2/NDF : 2026.5/5

8.795+/-1.713 χ^2/NDF : 29056.3/10

310.854+/-2.513 χ^2/NDF : 54.7/4

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: 12.132 ± 1.541 χ^2/NDF : 70.7/5

Right Out: -9.390 ± 1.070 χ^2/NDF : 232.2/19

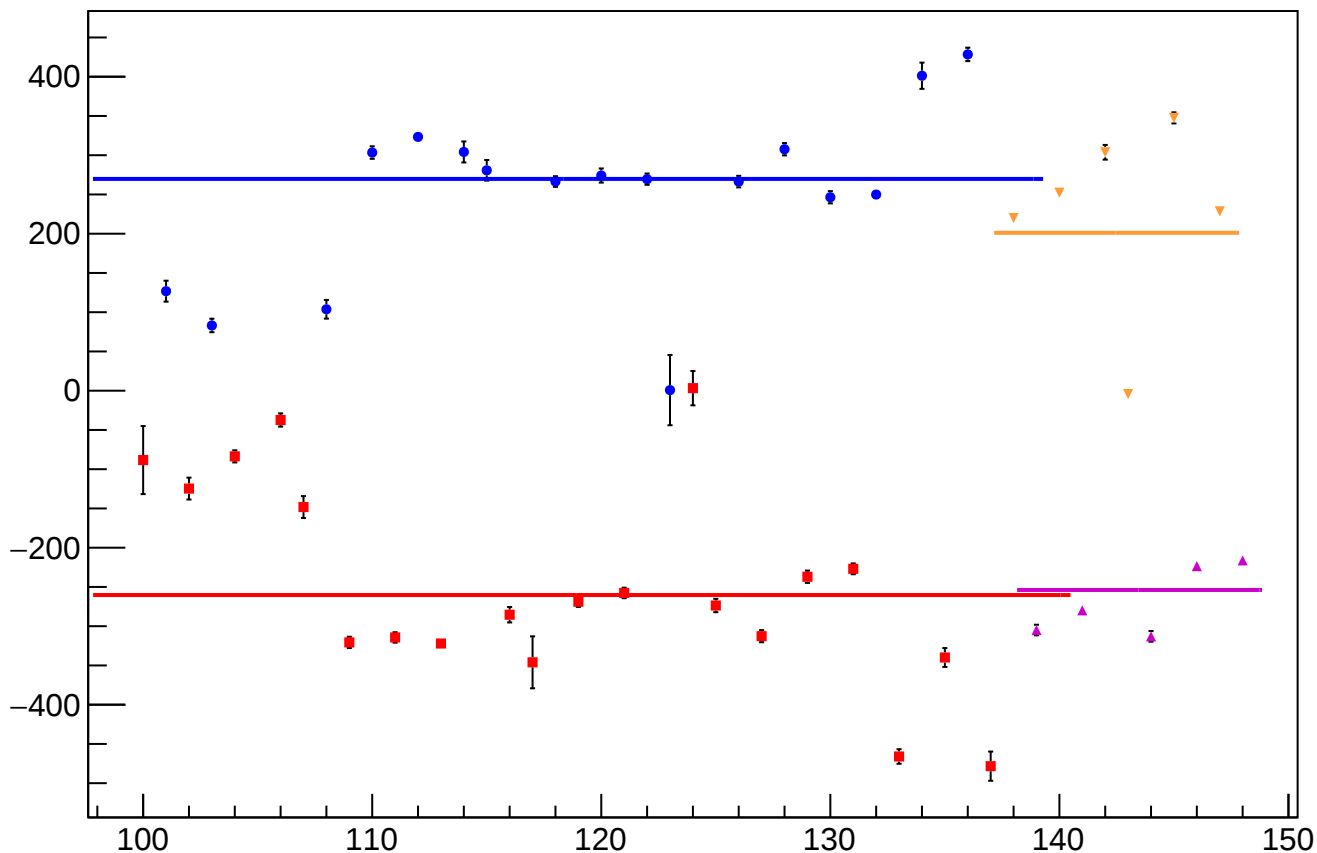
Left In: -16.423 ± 1.577 χ^2/NDF : 30.6/4

8.871 ± 0.897 χ^2/NDF : 338.4/22

-1.498 ± 0.630 χ^2/NDF : 878.8/47

-11.606 ± 0.885 χ^2/NDF : 276.4/24

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: 201.166 ± 2.412 χ^2/NDF : 2199.1/5

Right Out: -260.286 ± 1.973 χ^2/NDF : 2545.4/19

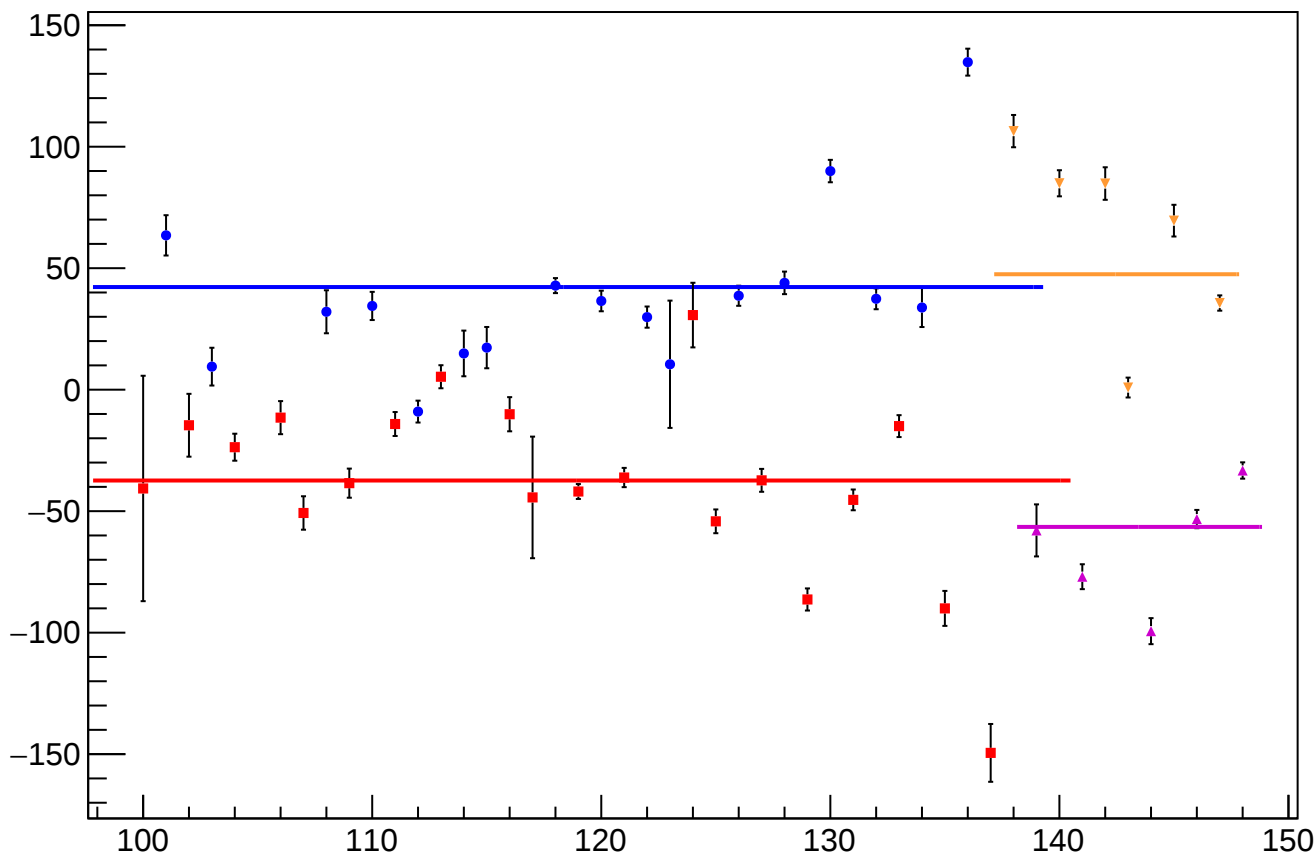
Left In: -253.841 ± 2.519 χ^2/NDF : 254.9/4

240.380 ± 1.579 χ^2/NDF : 4036.0/22

-12.782 ± 1.107 χ^2/NDF : 57425.6/47

-257.835 ± 1.554 χ^2/NDF : 2804.3/24

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 47.512 ± 1.947 $\chi^2/\text{NDF}: 313.8/5$

Right Out: -37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

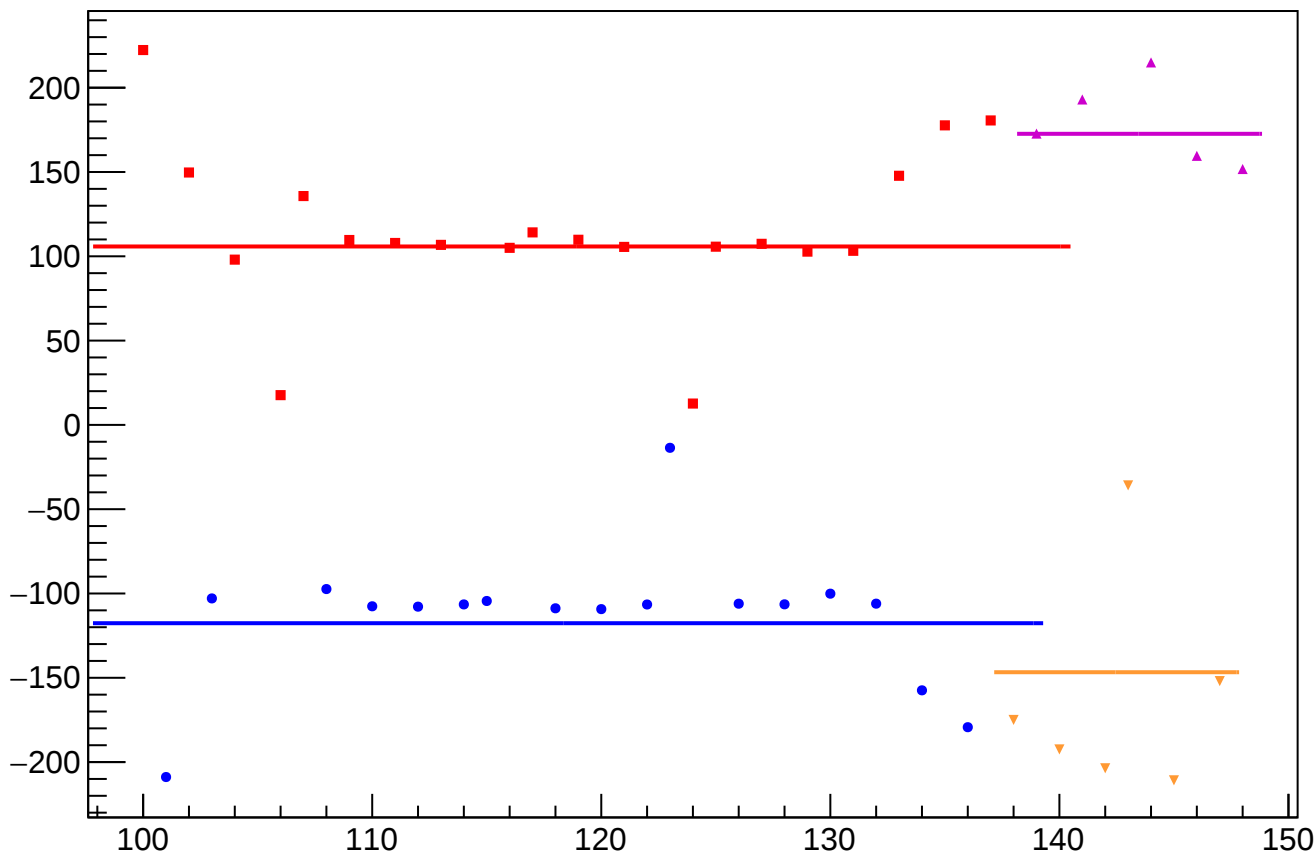
Left In: -56.478 ± 2.037 $\chi^2/\text{NDF}: 128.6/4$

43.821 ± 1.066 $\chi^2/\text{NDF}: 893.3/22$

0.210 ± 0.750 $\chi^2/\text{NDF}: 4872.3/47$

-42.503 ± 1.055 $\chi^2/\text{NDF}: 665.3/24$

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: -146.699+/-0.102 χ^2/NDF : 398960.3/5

Right Out: 105.826+/-0.073 χ^2/NDF : 323138.4/19

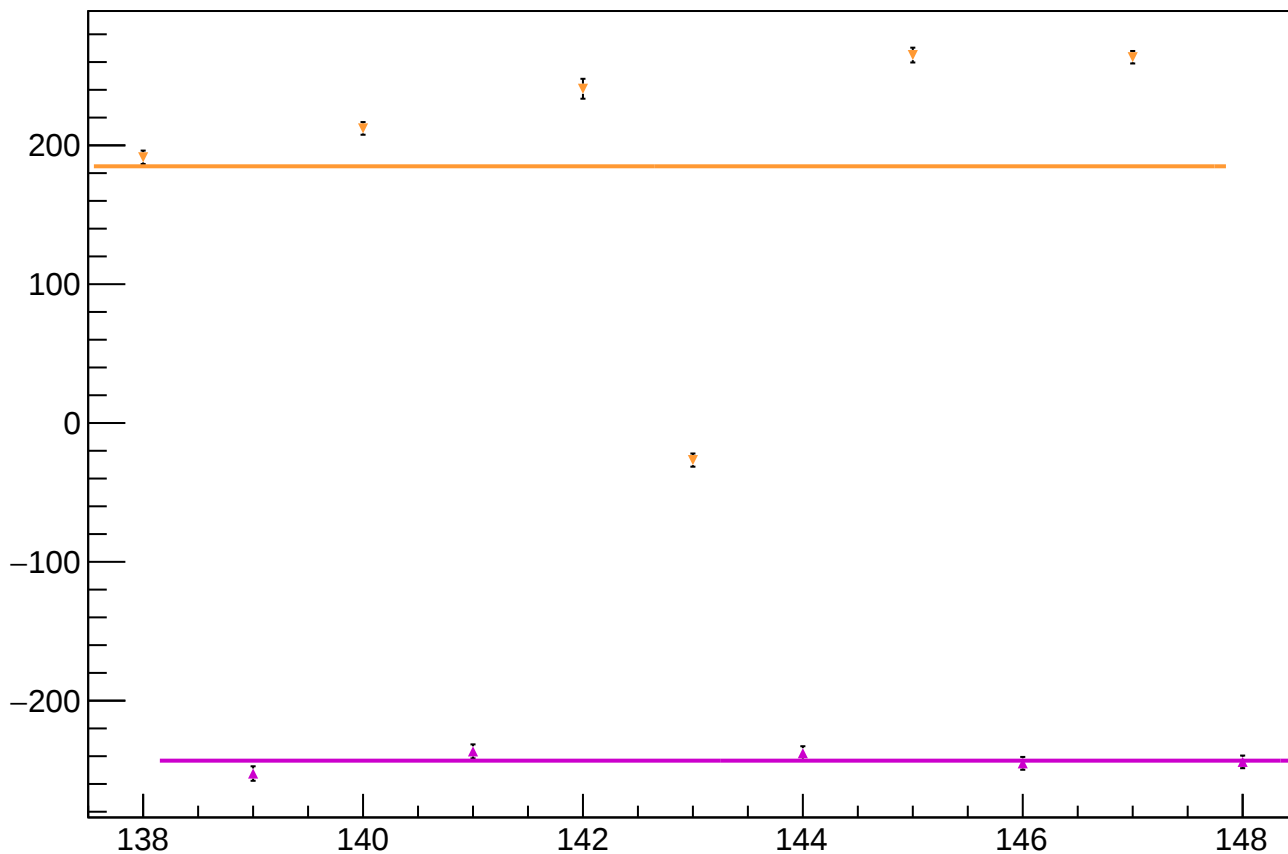
Left In: 172.653+/-0.106 χ^2/NDF : 41009.5/4

-128.453+/-0.062 χ^2/NDF : 591886.6/22

4.257+/-0.043 χ^2/NDF : 9998931.2/47

127.318+/-0.060 χ^2/NDF : 635662.6/24

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 184.915+/-2.047 χ^2/NDF : 2609.5/5

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

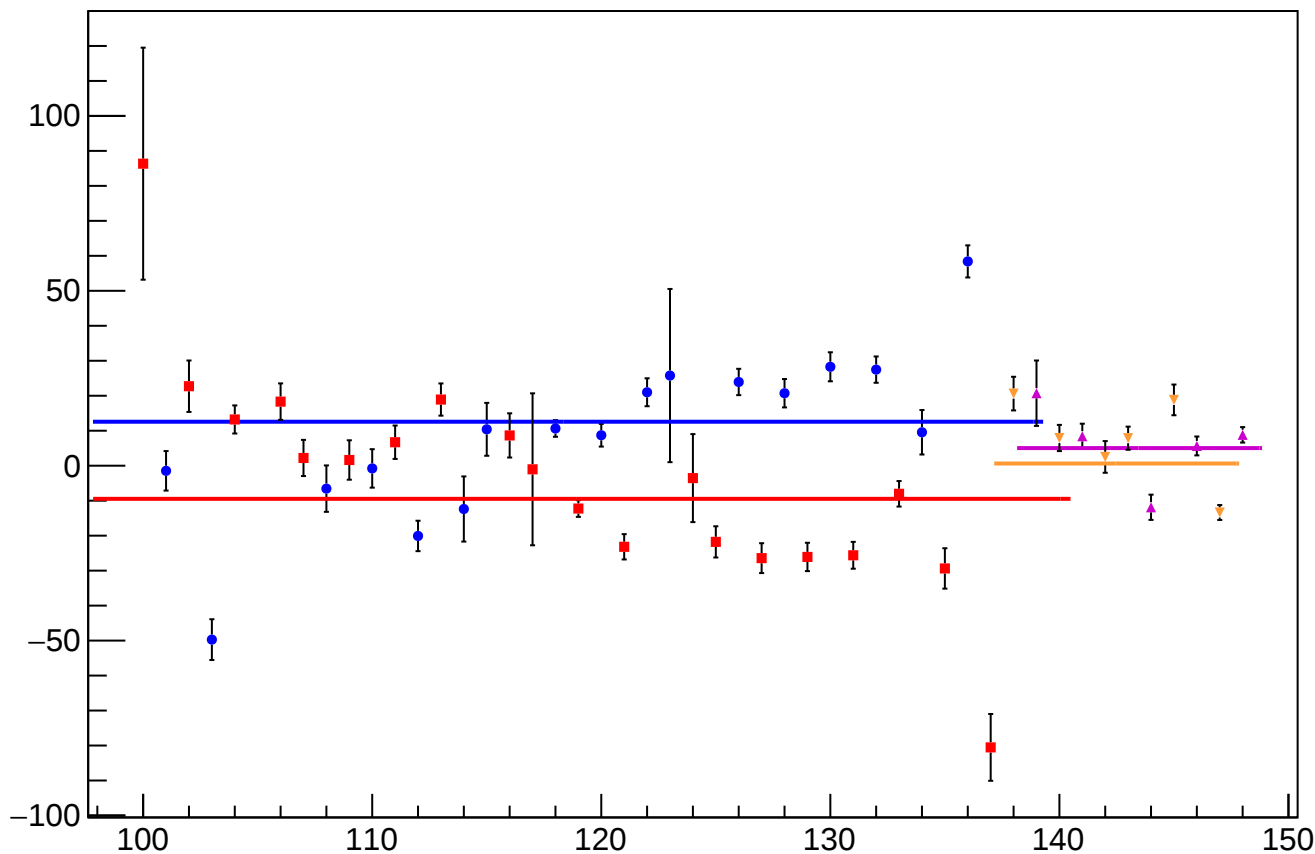
Left In: -243.212+/-2.182 χ^2/NDF : 6.2/4

184.915+/-2.047 χ^2/NDF : 2609.5/5

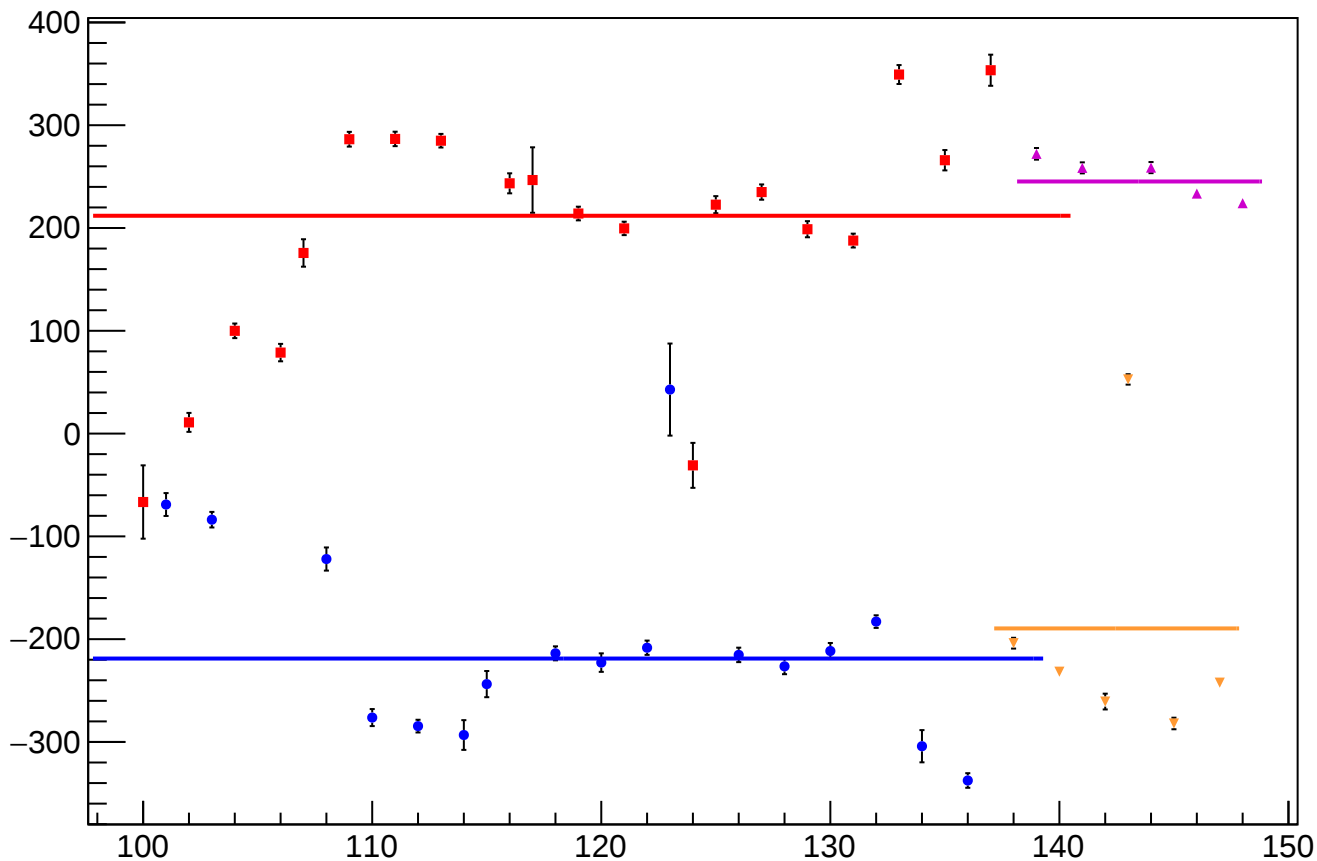
-15.454+/-1.493 χ^2/NDF : 23088.2/10

-243.212+/-2.182 χ^2/NDF : 6.2/4

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -189.552 ± 2.121 χ^2/NDF : 2873.4/5

Right Out: 211.907 ± 1.920 χ^2/NDF : 1886.4/19

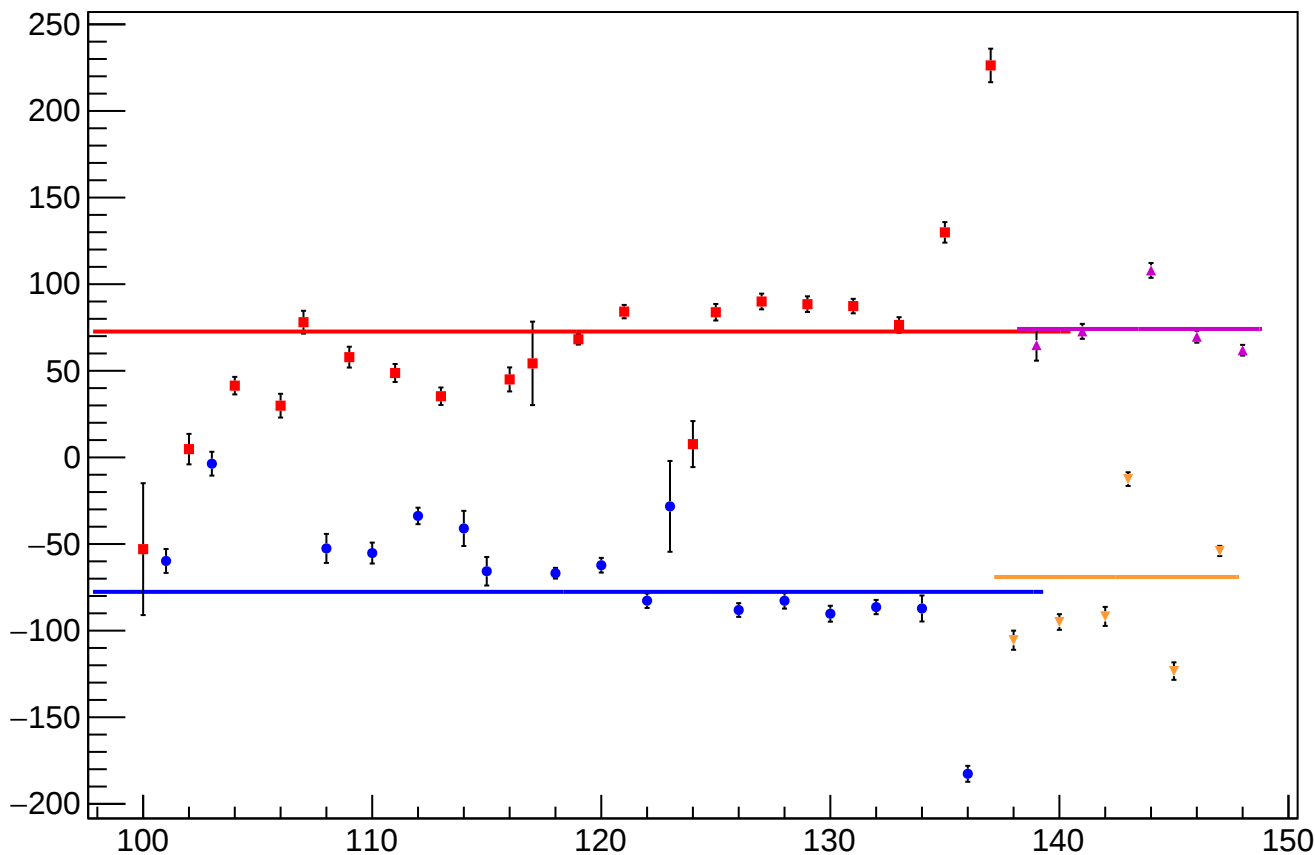
Left In: 245.256 ± 2.203 χ^2/NDF : 66.4/4

-204.896 ± 1.464 χ^2/NDF : 4119.9/22

13.091 ± 1.029 χ^2/NDF : 50086.1/47

226.308 ± 1.447 χ^2/NDF : 2083.0/24

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: -69.023 $\pm$ 1.731 χ^2/NDF : 440.0/5

Right Out: 72.664 $\pm$ 1.205 χ^2/NDF : 672.0/19

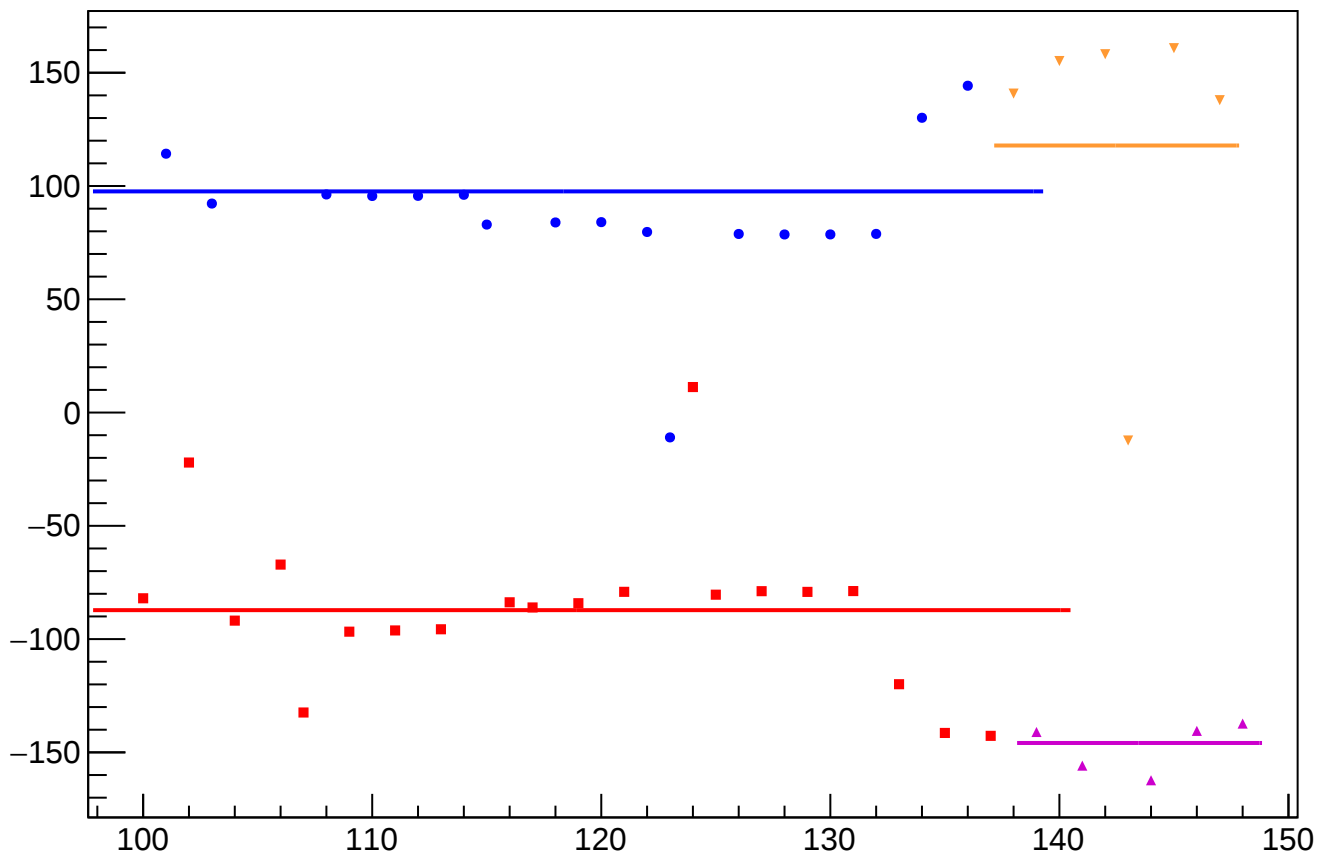
Left In: 74.147 $\pm$ 1.799 χ^2/NDF : 81.1/4

-74.710 $\pm$ 1.006 χ^2/NDF : 1272.2/22

-0.410 $\pm$ 0.710 χ^2/NDF : 12876.5/47

73.123 $\pm$ 1.001 χ^2/NDF : 753.6/24

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: 117.876+/-0.089 χ^2/NDF : 518633.6/5

Right Out: -87.224+/-0.068 χ^2/NDF : 220851.2/19

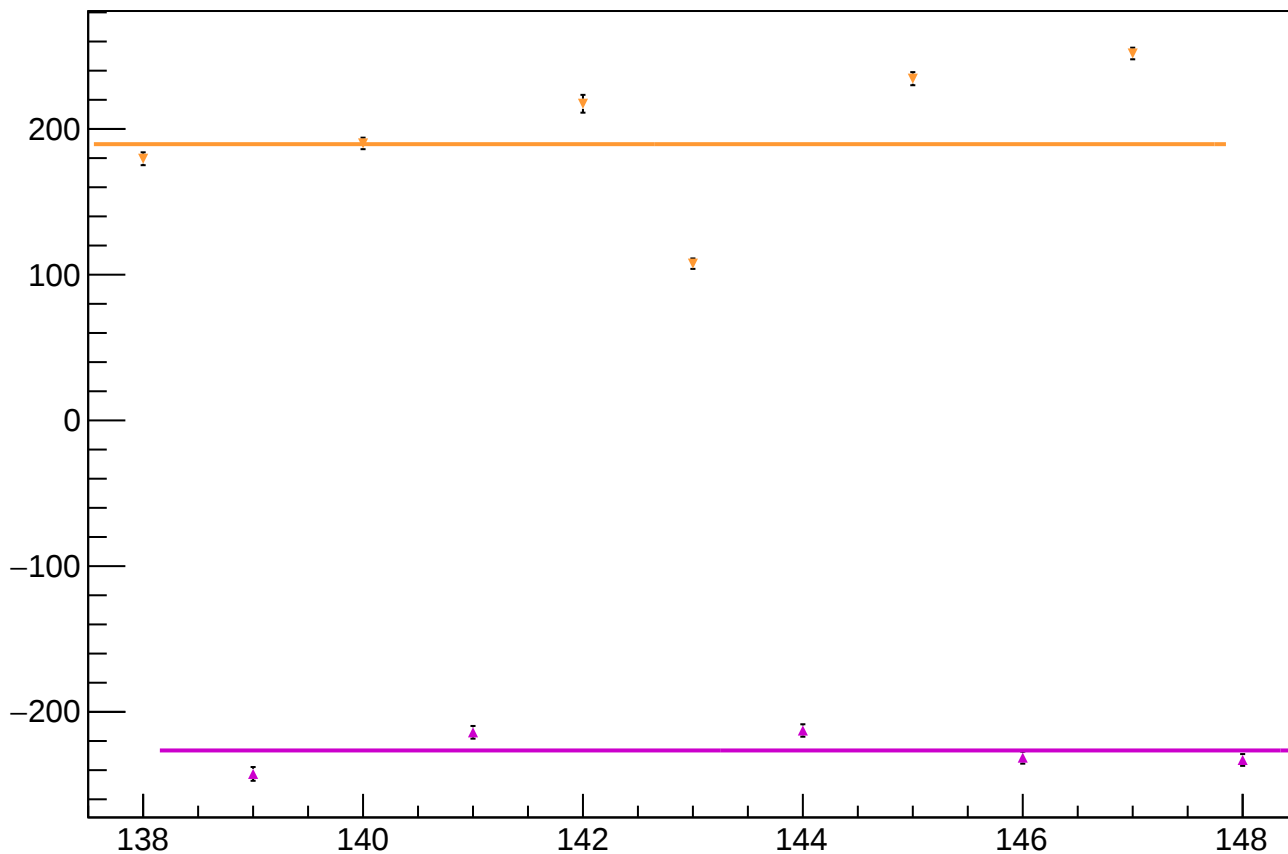
Left In: -145.854+/-0.092 χ^2/NDF : 10443.3/4

105.840+/-0.057 χ^2/NDF : 643322.4/22

-5.025+/-0.039 χ^2/NDF : 8481201.2/47

-108.034+/-0.055 χ^2/NDF : 493666.3/24

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 189.566+/-1.736 χ^2/NDF : 891.2/5

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

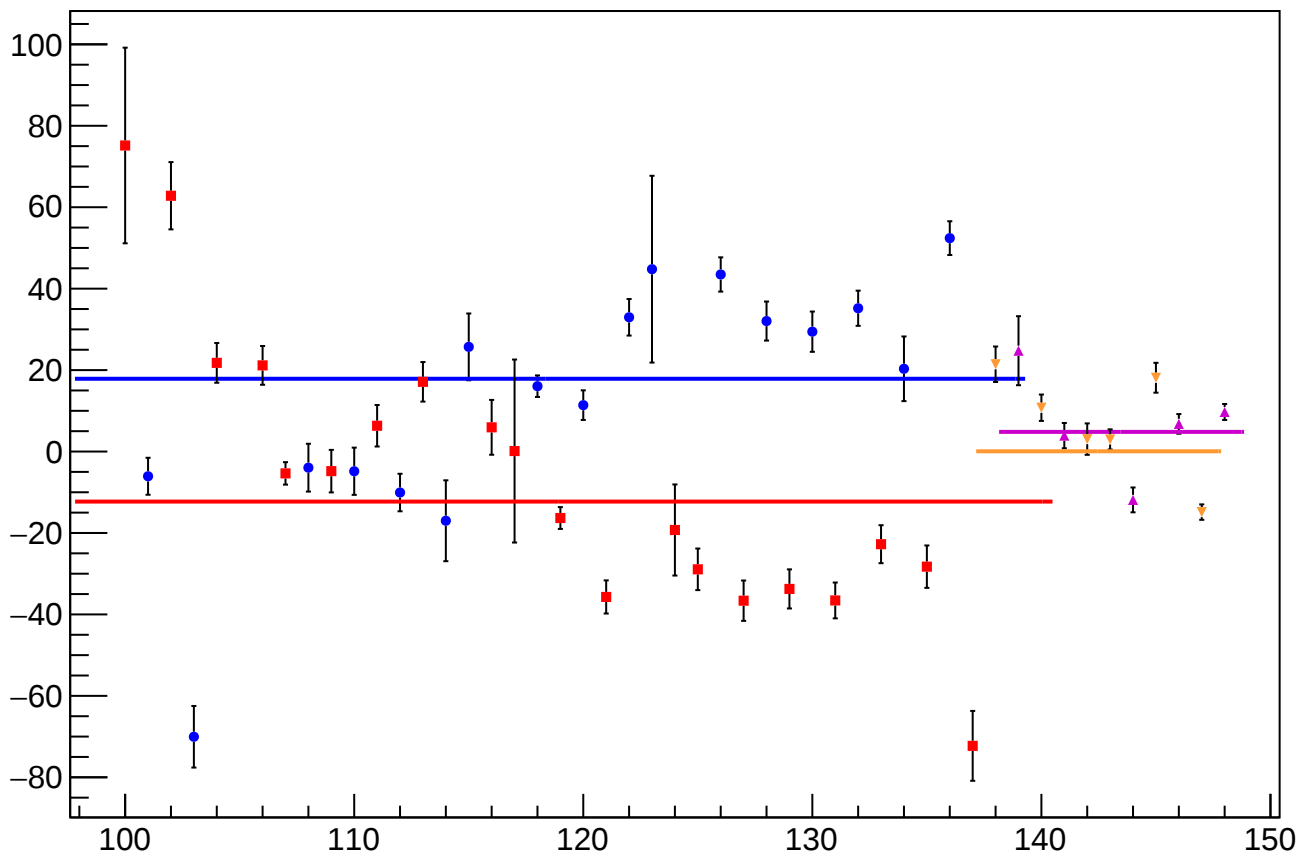
Left In: -226.479+/-1.918 χ^2/NDF : 34.0/4

189.566+/-1.736 χ^2/NDF : 891.2/5

2.284+/-1.287 χ^2/NDF : 26787.0/10

-226.479+/-1.918 χ^2/NDF : 34.0/4

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: 0.064 ± 1.169 χ^2/NDF : 123.5/5

Right Out: -12.288 ± 1.082 χ^2/NDF : 444.4/19

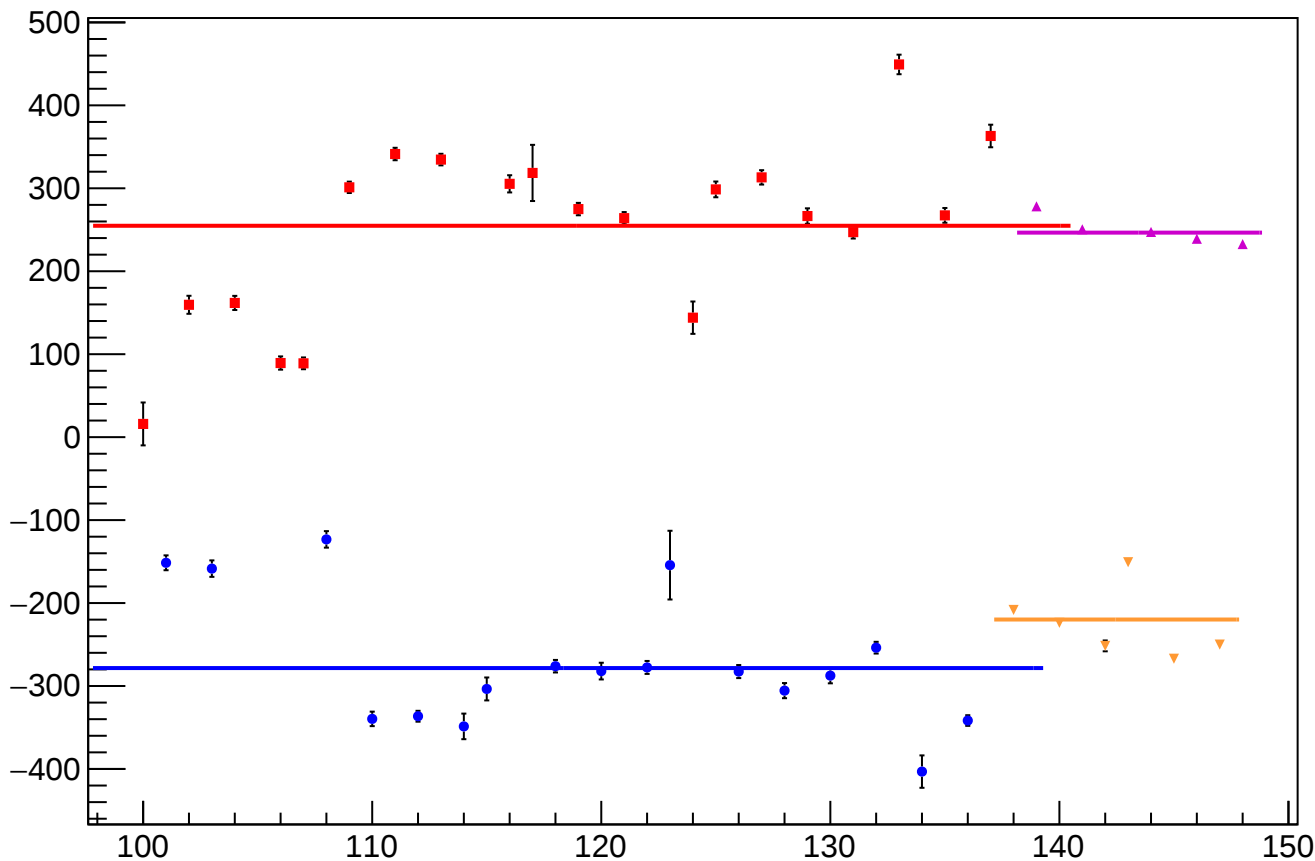
Left In: 4.826 ± 1.233 χ^2/NDF : 42.5/4

8.994 ± 0.826 χ^2/NDF : 635.1/22

1.973 ± 0.579 χ^2/NDF : 1373.4/47

-4.842 ± 0.813 χ^2/NDF : 595.7/24

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: -219.857±/1.803 χ^2/NDF : 520.3/5

Right Out: 254.830±/2.016 χ^2/NDF : 2041.0/19

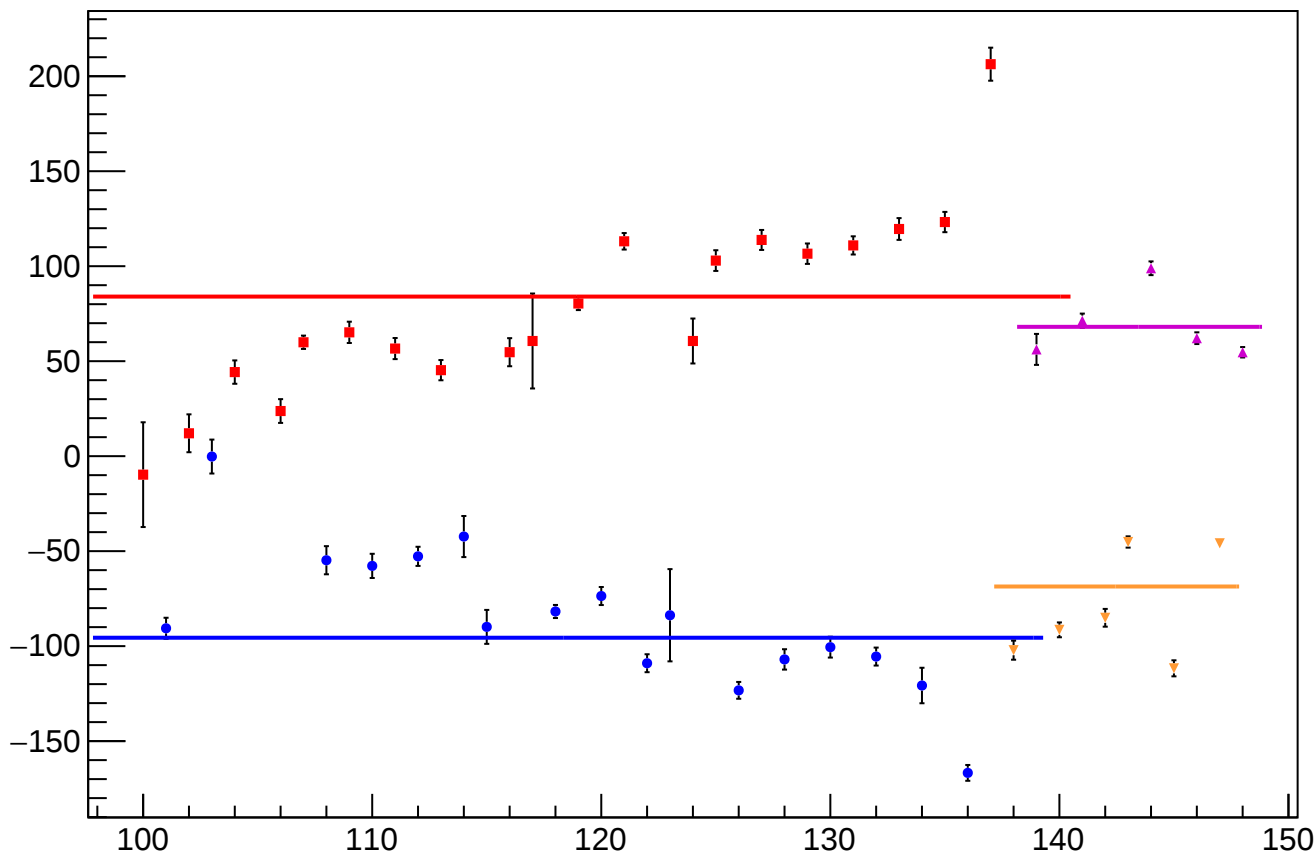
Left In: 246.555±/1.938 χ^2/NDF : 55.8/4

-243.565±/1.391 χ^2/NDF : 1857.7/22

2.277±/0.986 χ^2/NDF : 66779.0/47

250.530±/1.397 χ^2/NDF : 2105.6/24

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: -68.612+/-1.463 χ^2/NDF : 333.4/5

Right Out: 84.003+/-1.255 χ^2/NDF : 784.1/19

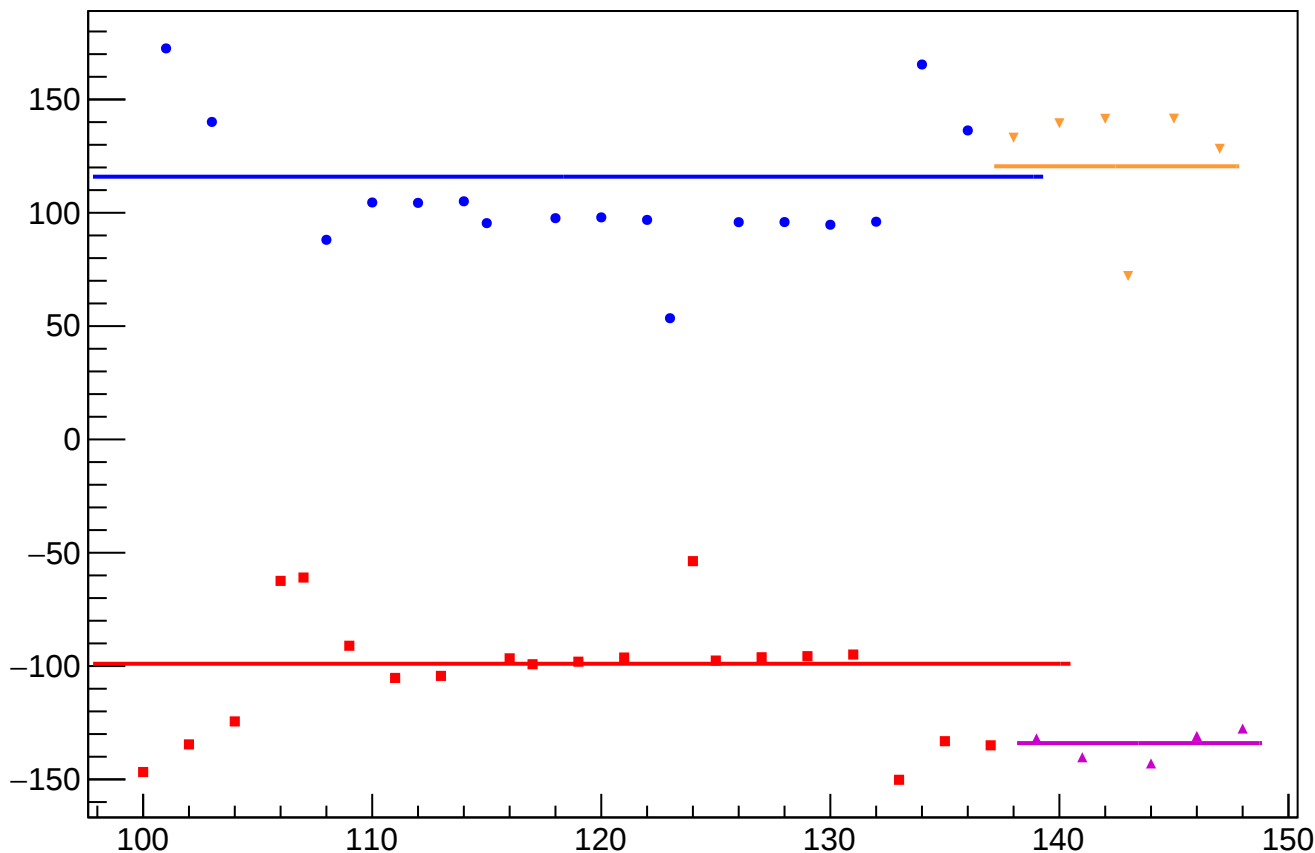
Left In: 68.080+/-1.579 χ^2/NDF : 103.2/4

-83.271+/-0.988 χ^2/NDF : 1189.3/22

-2.237+/-0.697 χ^2/NDF : 15504.1/47

77.836+/-0.982 χ^2/NDF : 949.6/24

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: 120.519 $\pm$ 0.076 χ^2 /NDF:135492.3/5

Right Out: -98.982 $\pm$ 0.068 χ^2 /NDF: 172974.2/19

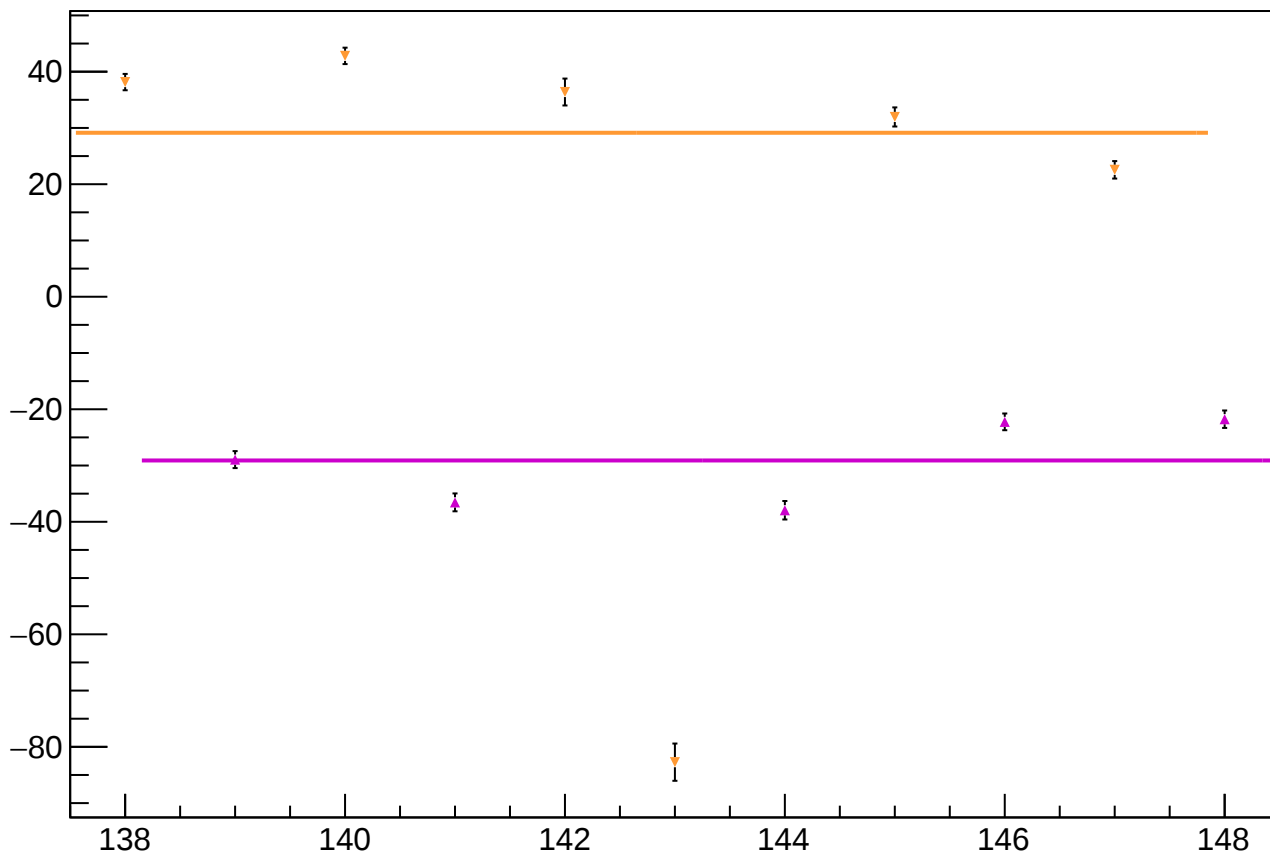
Left In: -133.981 $\pm$ 0.081 χ^2 /NDF:5129.1/4

118.307 $\pm$ 0.054 χ^2 /NDF: 243060.6/22

-2.232 $\pm$ 0.038 χ^2 /NDF: 9962979.9/47

-113.560 $\pm$ 0.052 χ^2 /NDF: 286895.9/24

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 29.143+/-0.712 χ^2/NDF : 1298.0/5

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

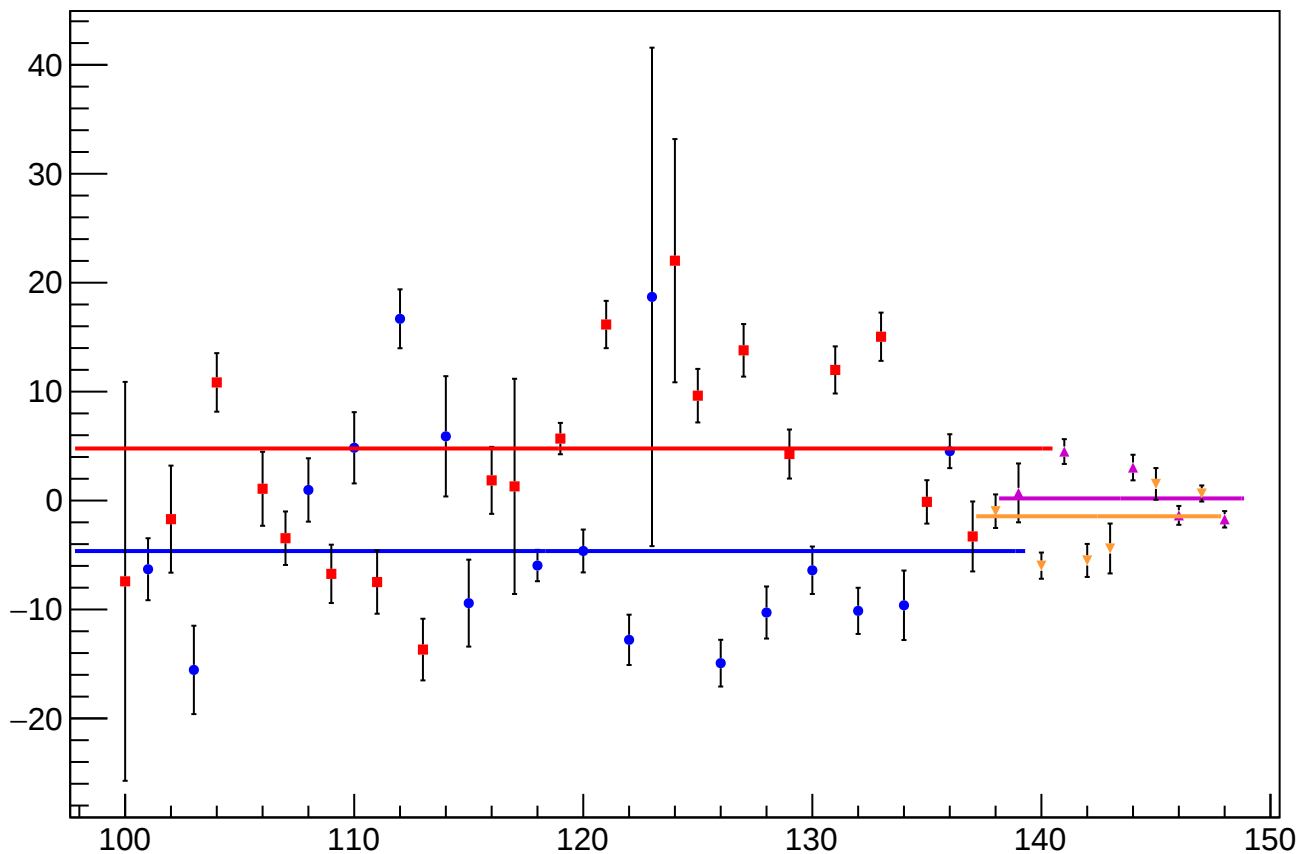
Left In: -29.101+/-0.694 χ^2/NDF : 94.7/4

29.143+/-0.712 χ^2/NDF : 1298.0/5

-0.724+/-0.497 χ^2/NDF : 4823.9/10

-29.101+/-0.694 χ^2/NDF : 94.7/4

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: -1.444 ± 0.497 χ^2/NDF : 35.3/5

Right Out: 4.779 ± 0.583 χ^2/NDF : 192.7/19

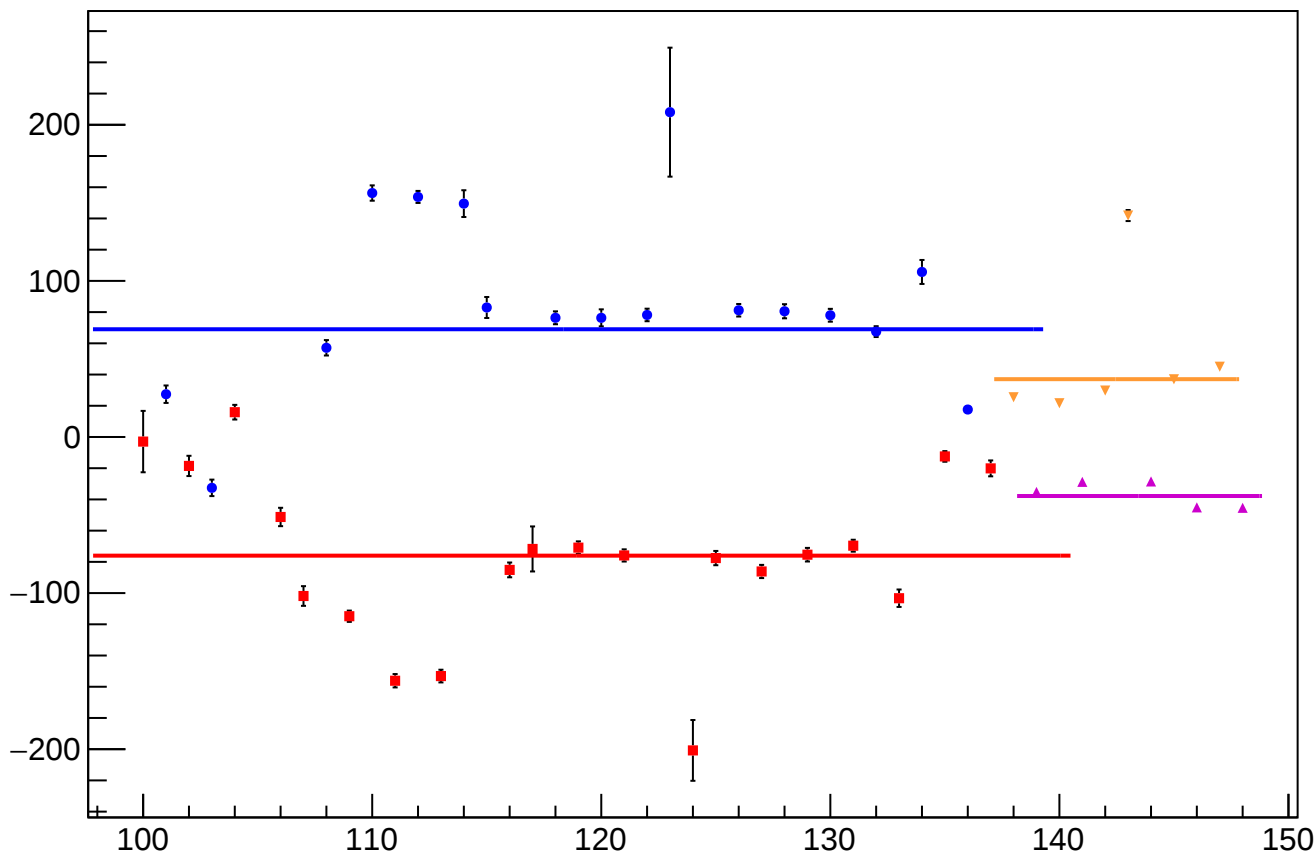
Left In: 0.196 ± 0.460 χ^2/NDF : 29.8/4

-2.775 ± 0.379 χ^2/NDF : 227.0/22

-0.295 ± 0.262 χ^2/NDF : 568.9/47

1.953 ± 0.361 χ^2/NDF : 260.5/24

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: 37.039+/-0.736 χ^2/NDF : 1070.9/5

Right Out: -76.017+/-1.067 χ^2/NDF : 1882.0/19

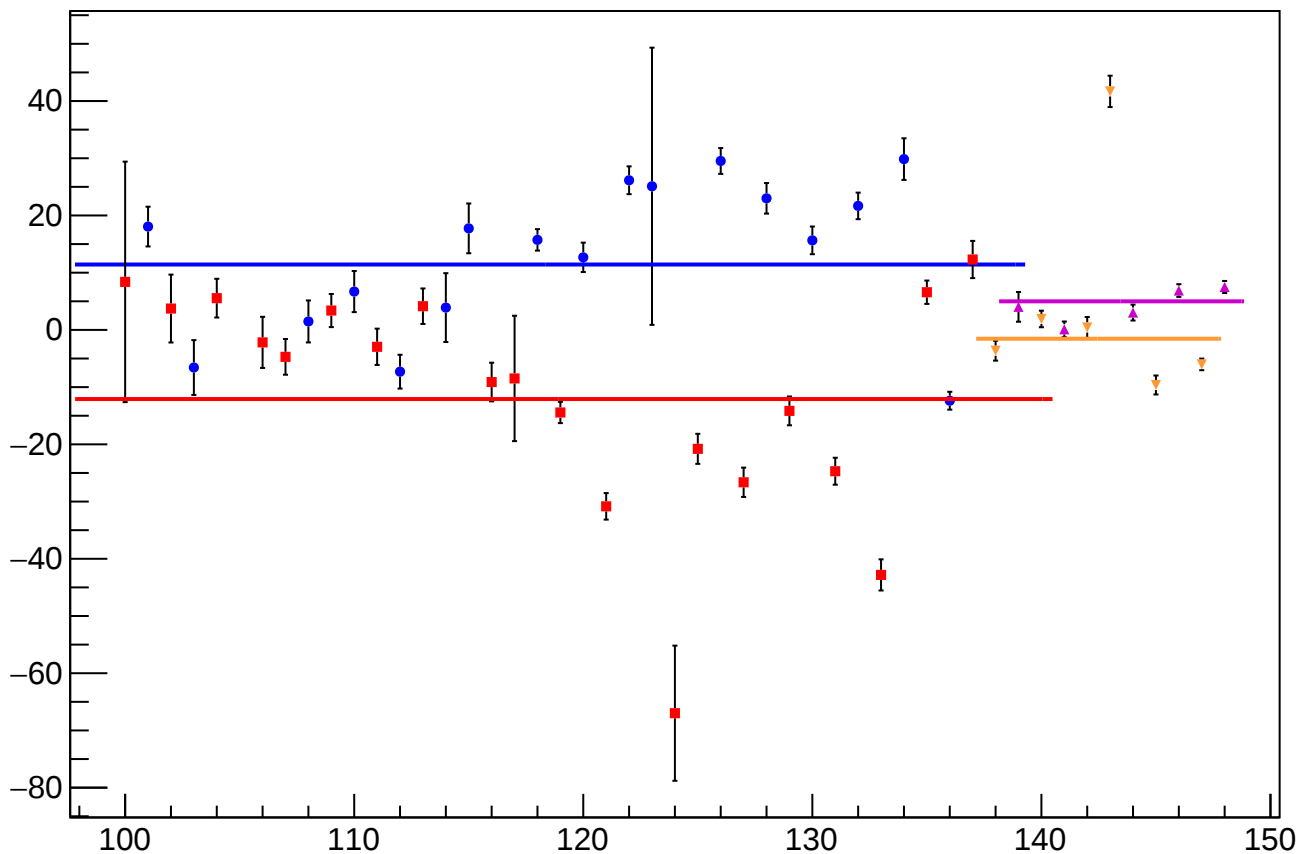
Left In: -37.807+/-0.704 χ^2/NDF : 112.8/4

47.144+/-0.609 χ^2/NDF : 3514.9/22

-2.856+/-0.423 χ^2/NDF : 19416.7/47

-49.397+/-0.588 χ^2/NDF : 2888.4/24

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 $\pm$ 0.665 χ^2/NDF : 476.8/16

Left Out: -1.542 $\pm$ 0.623 χ^2/NDF : 300.0/5

Right Out: -12.082 $\pm$ 0.663 χ^2/NDF : 539.2/19

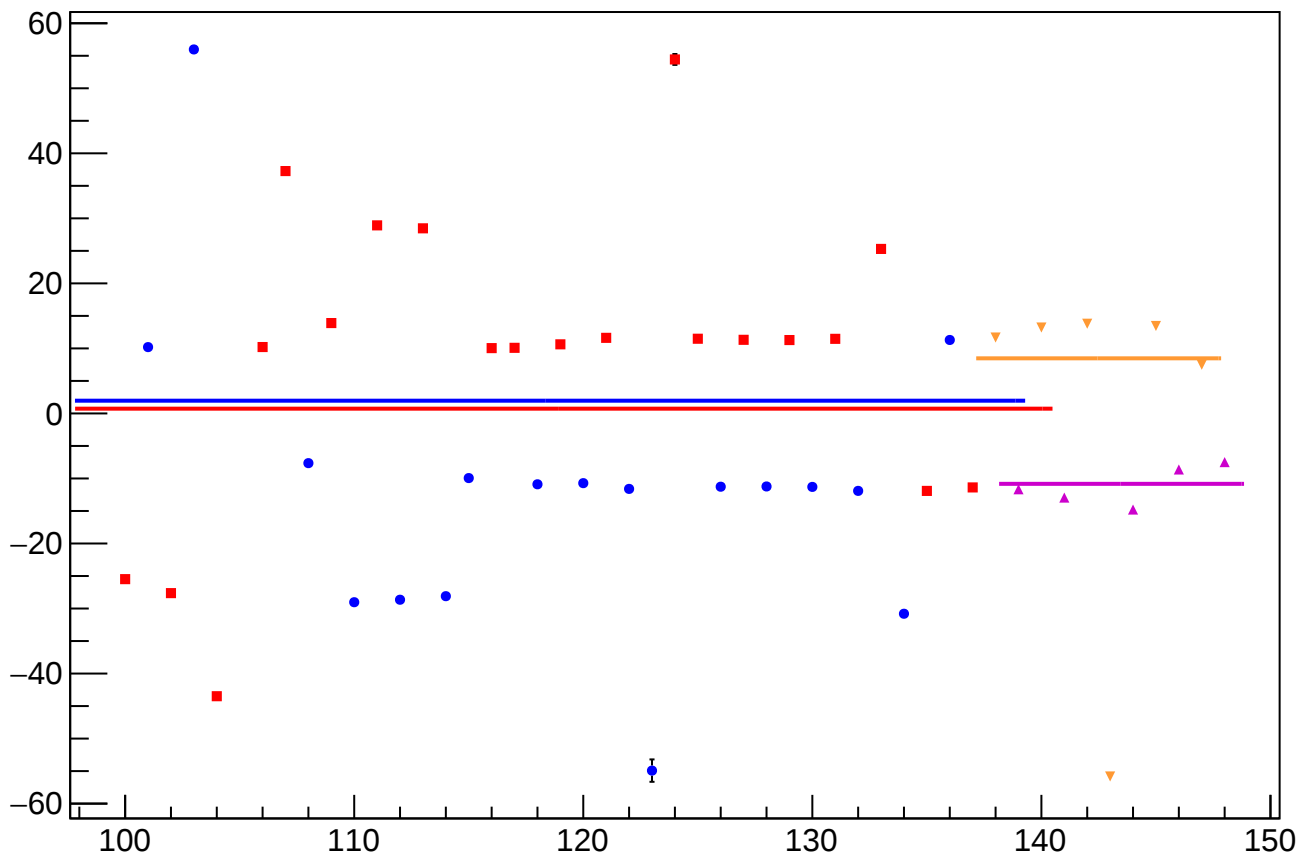
Left In: 4.994 $\pm$ 0.586 χ^2/NDF : 23.5/4

4.518 $\pm$ 0.455 χ^2/NDF : 979.1/22

0.885 $\pm$ 0.316 χ^2/NDF : 2037.6/47

-2.500 $\pm$ 0.439 χ^2/NDF : 935.3/24

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 $\pm$ 0.037 χ^2 /NDF: 358457.0/16

Left Out: 8.474 $\pm$ 0.031 χ^2 /NDF: 221947.6/5

Right Out: 0.733 $\pm$ 0.037 χ^2 /NDF: 361368.4/19

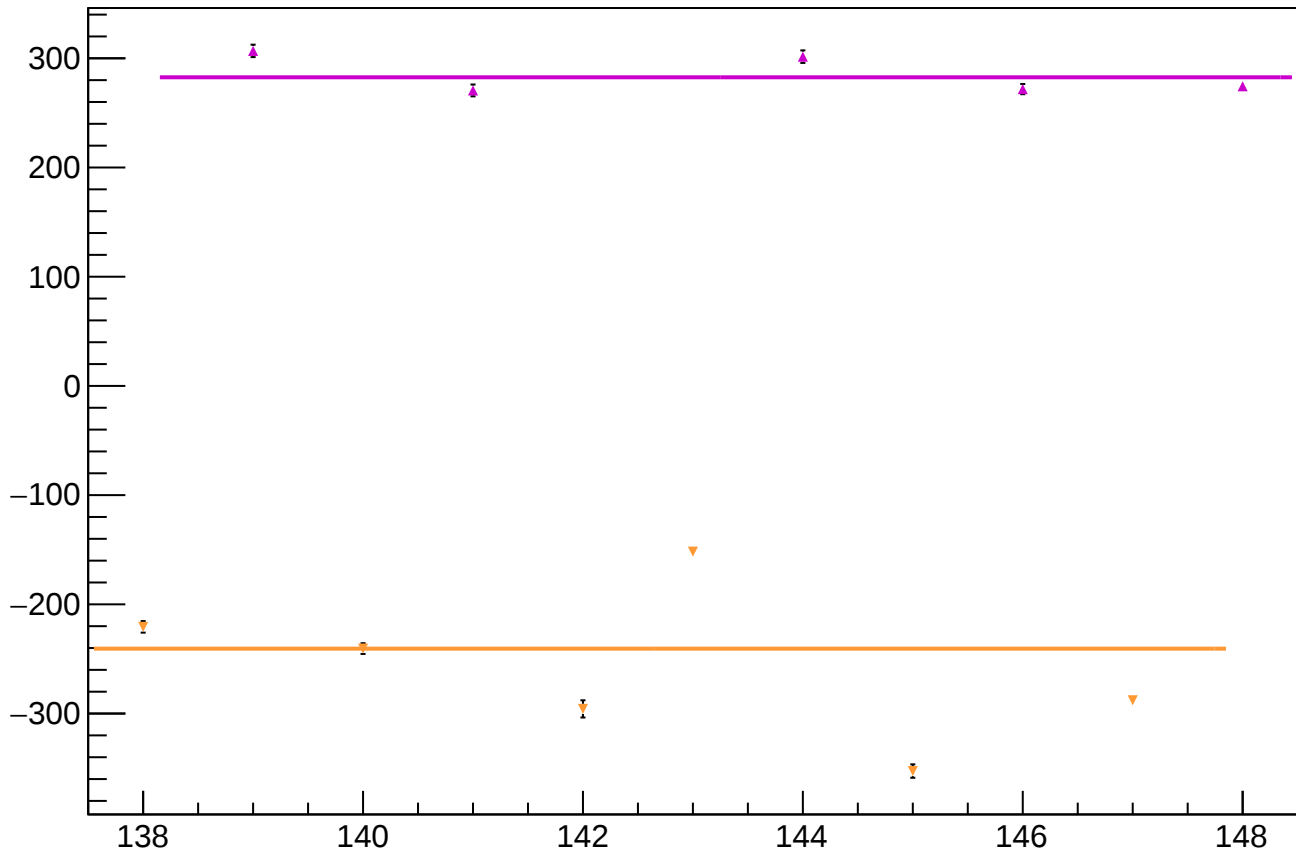
Left In: -10.827 $\pm$ 0.029 χ^2 /NDF: 7846.2/4

5.816 $\pm$ 0.024 χ^2 /NDF: 598607.0/22

-0.522 $\pm$ 0.016 χ^2 /NDF: 1165713.9/47

-6.418 $\pm$ 0.023 χ^2 /NDF: 429395.9/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -240.575+/-2.067 χ^2/NDF :1006.1/5

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

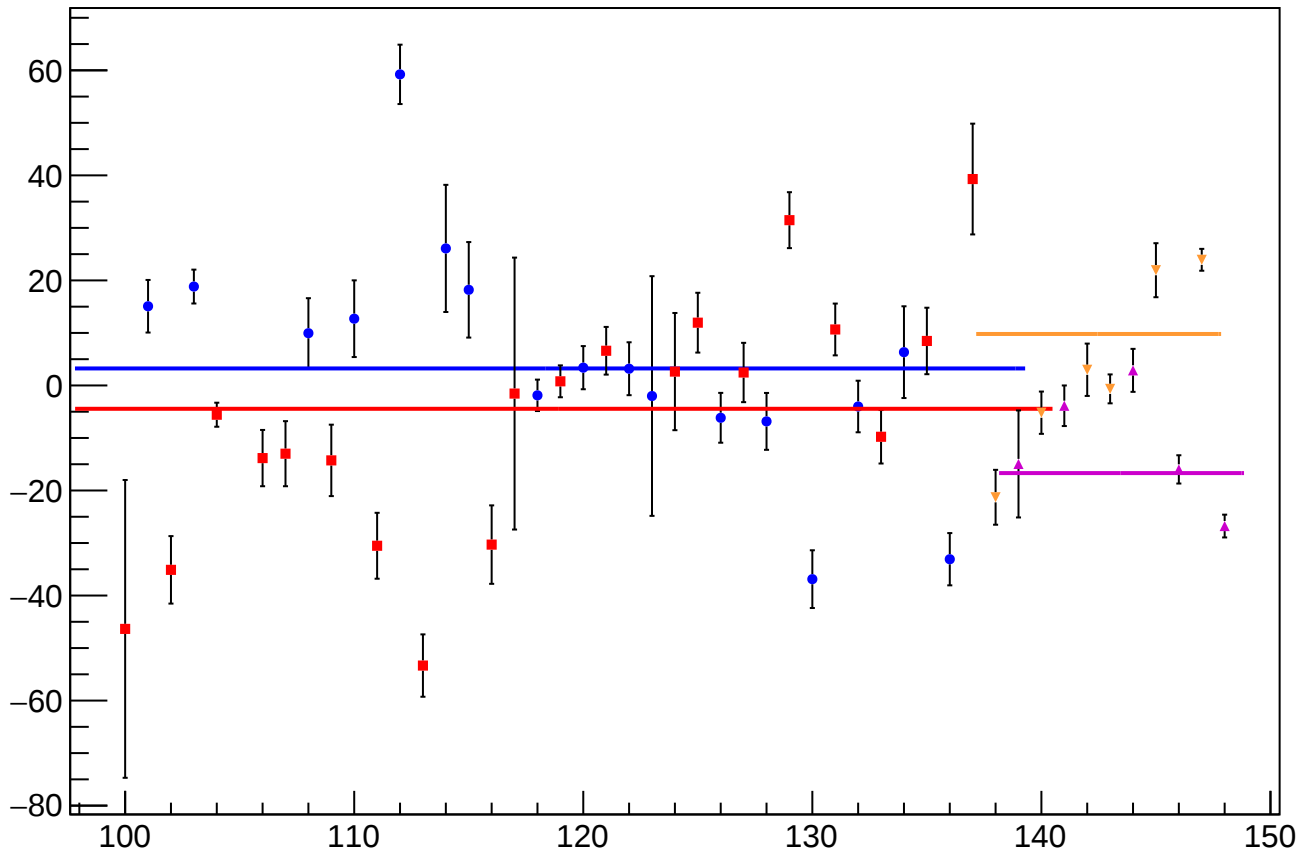
Left In: 282.605+/-2.289 χ^2/NDF :42.5/4

-240.575+/-2.067 χ^2/NDF : 1006.1/5

-5.602+/-1.534 χ^2/NDF : 29821.2/10

282.605+/-2.289 χ^2/NDF : 42.5/4

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 $\pm$ 1.244 χ^2 /NDF: 255.3/16

Left Out: 9.801 $\pm$ 1.362 χ^2 /NDF:117.1/5

Right Out: -4.444 $\pm$ 1.156 χ^2 /NDF: 225.8/19

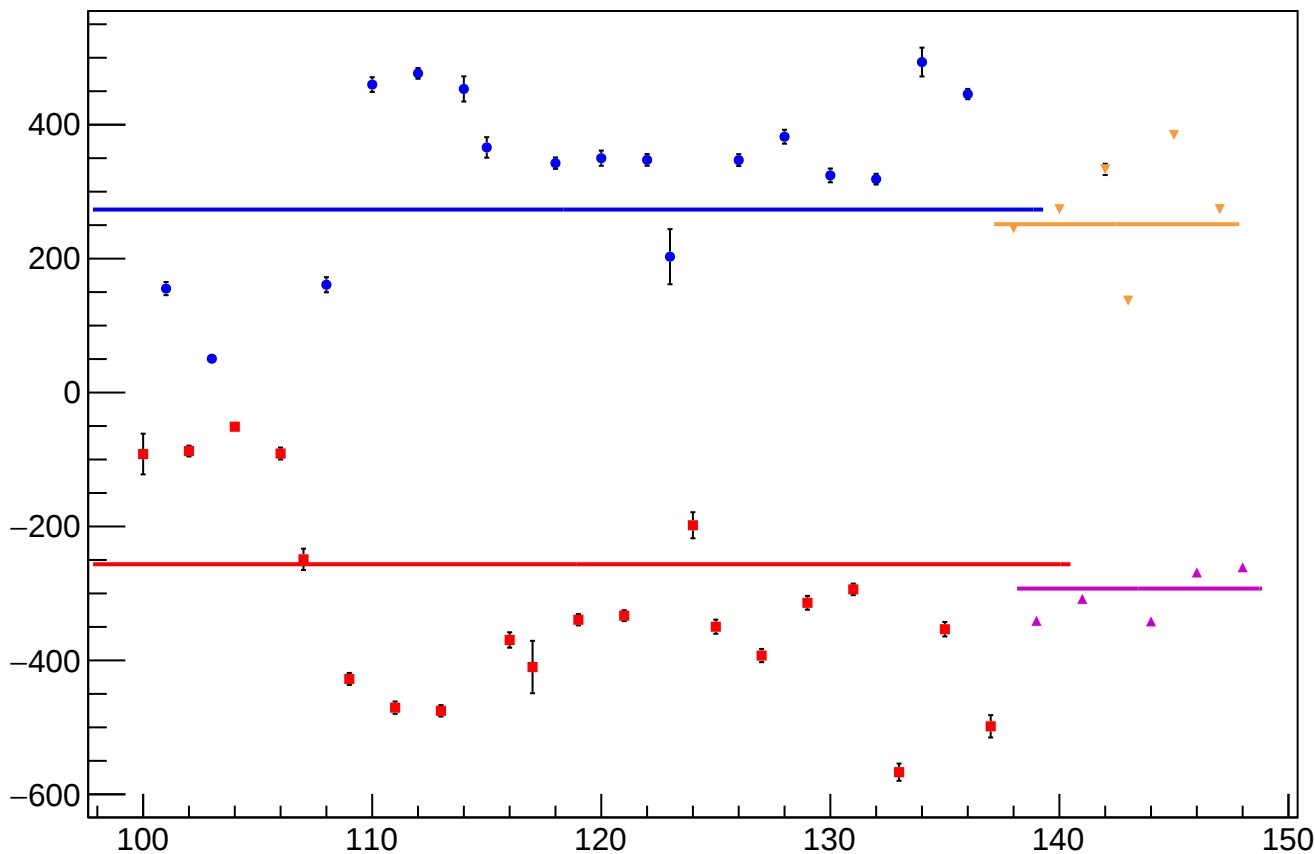
Left In: -16.685 $\pm$ 1.433 χ^2 /NDF:55.5/4

6.221 $\pm$ 0.918 χ^2 /NDF: 385.1/22

-1.682 $\pm$ 0.643 χ^2 /NDF: 855.7/47

-9.268 $\pm$ 0.900 χ^2 /NDF: 325.5/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 ± 2.205 χ^2/NDF : 5101.5/16

Left Out: 251.445 ± 2.135 χ^2/NDF : 1288.6/5

Right Out: -256.418 ± 2.077 χ^2/NDF : 6453.9/19

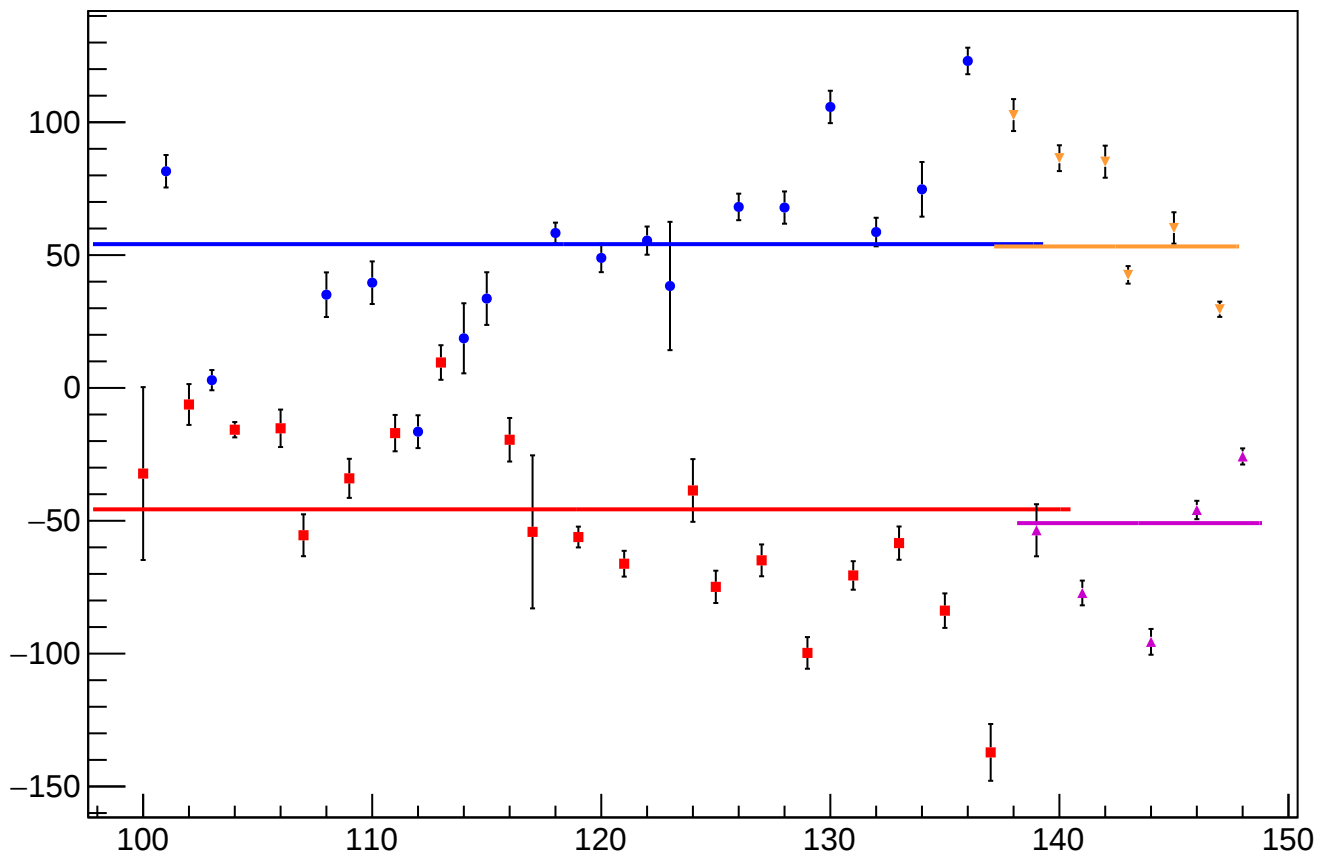
Left In: -292.716 ± 2.295 χ^2/NDF : 217.8/4

262.011 ± 1.534 χ^2/NDF : 6440.7/22

-4.309 ± 1.087 χ^2/NDF : 73791.6/47

-272.761 ± 1.540 χ^2/NDF : 6809.2/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119 ± 1.438 $\chi^2/\text{NDF}: 633.9/16$

Left Out: 53.249 ± 1.718 $\chi^2/\text{NDF}: 221.9/5$

Right Out: -45.694 ± 1.356 $\chi^2/\text{NDF}: 531.1/19$

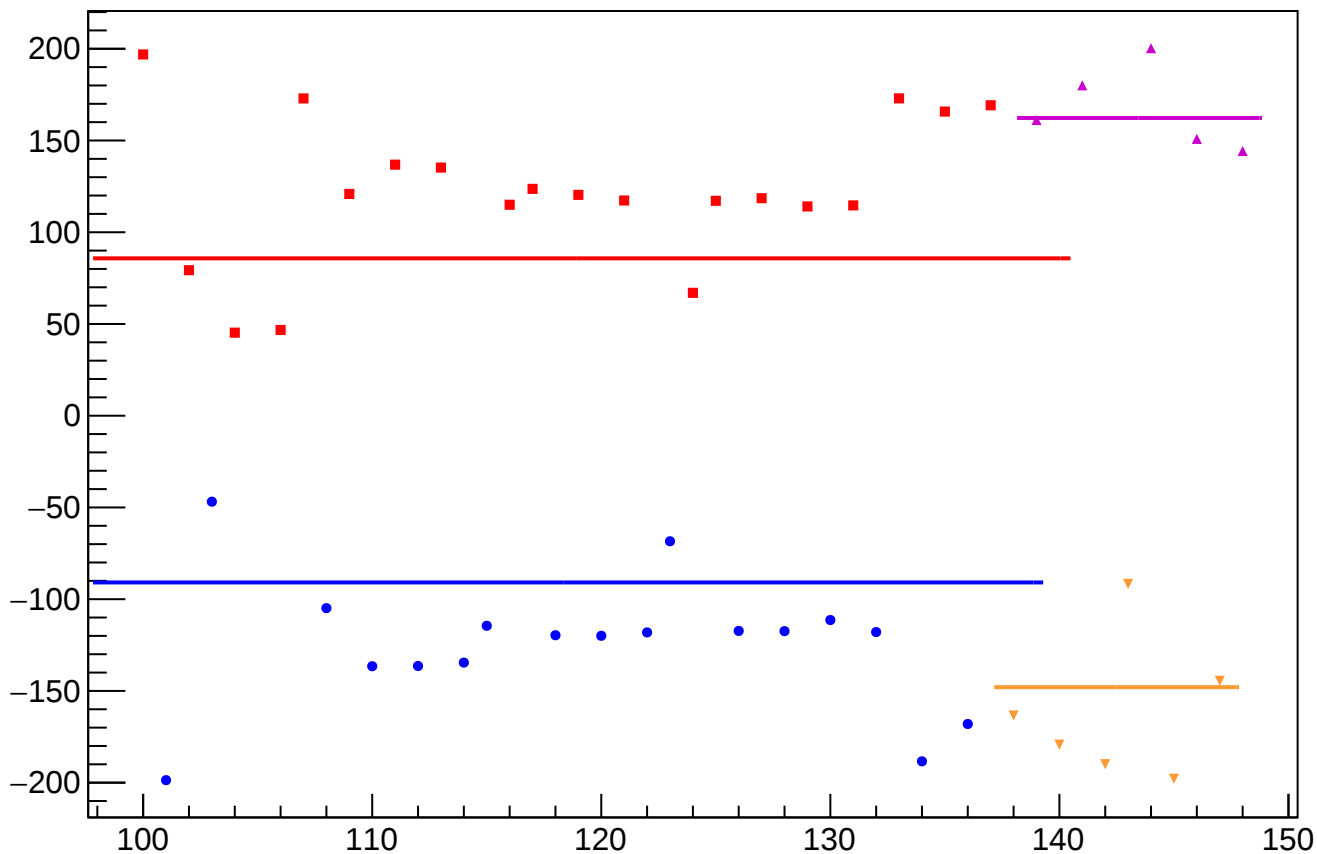
Left In: -50.879 ± 1.853 $\chi^2/\text{NDF}: 187.0/4$

53.761 ± 1.102 $\chi^2/\text{NDF}: 855.9/22$

2.738 ± 0.777 $\chi^2/\text{NDF}: 5829.9/47$

-47.502 ± 1.094 $\chi^2/\text{NDF}: 723.2/24$

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 ± 0.068 χ^2/NDF : 533423.8/16

Left Out: -147.947 ± 0.090 χ^2/NDF : 185756.4/5

Right Out: 85.772 ± 0.065 χ^2/NDF : 494629.5/19

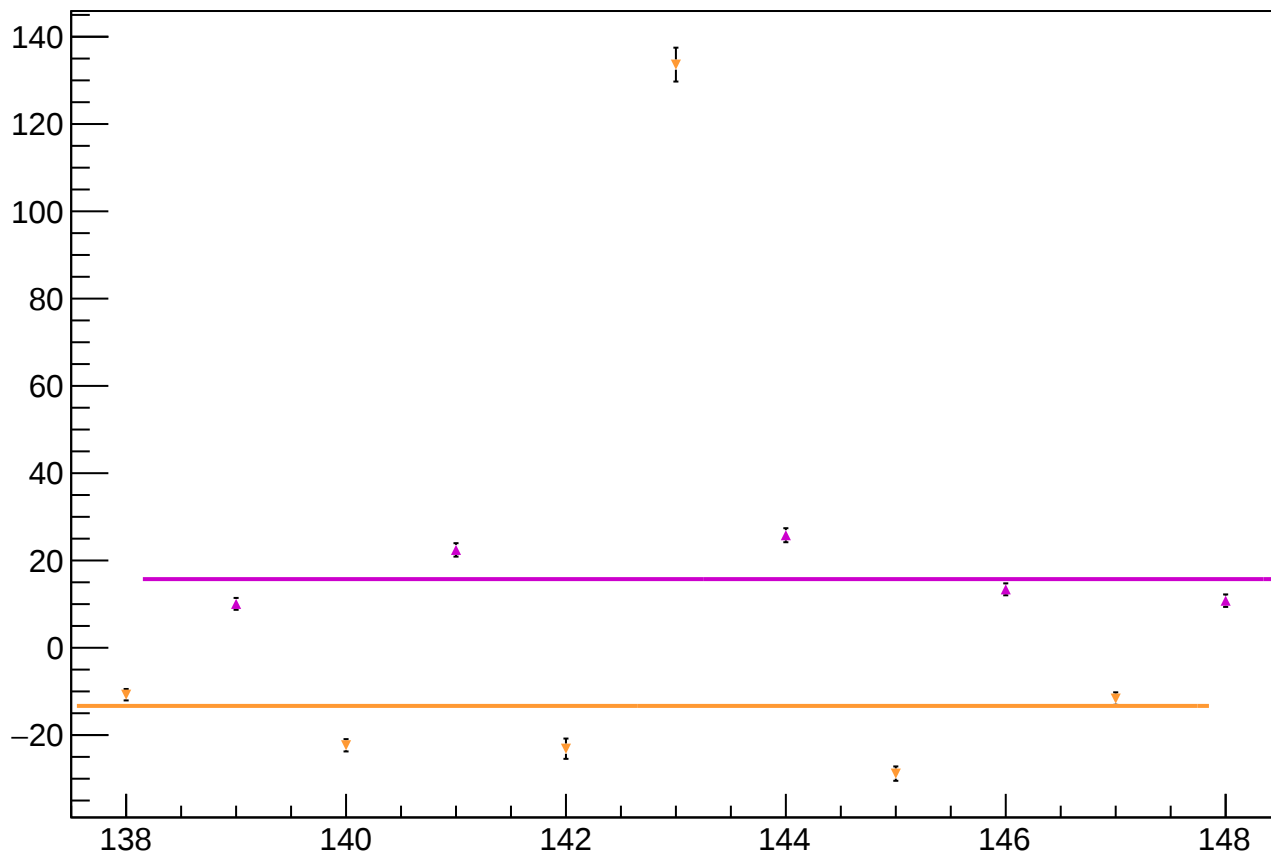
Left In: 162.282 ± 0.096 χ^2/NDF : 38859.9/4

-111.510 ± 0.054 χ^2/NDF : 975623.7/22

-0.334 ± 0.038 χ^2/NDF : 10336021.3/47

109.758 ± 0.054 χ^2/NDF : 967555.7/24

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.320+/-0.676 χ^2/NDF : 1585.7/5

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

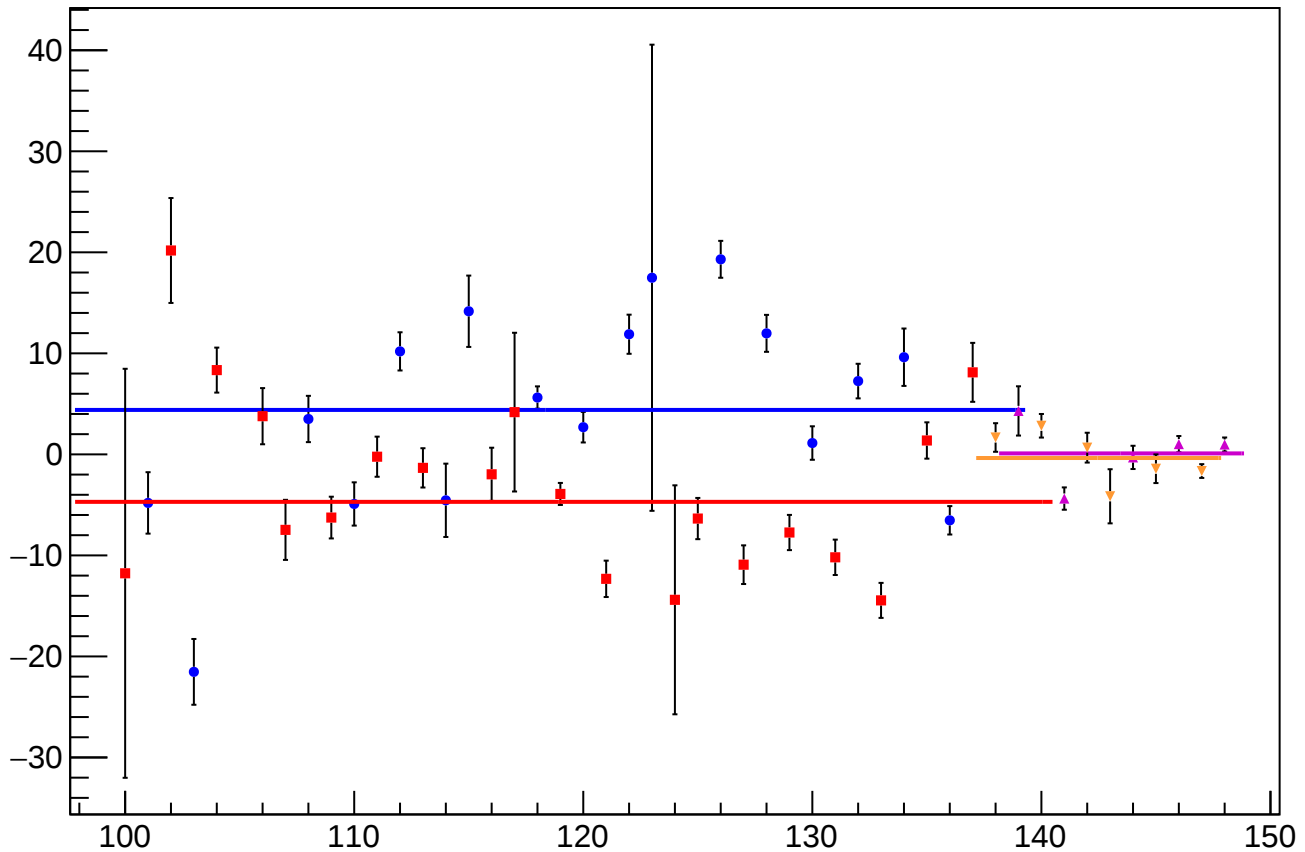
Left In: 15.731+/-0.650 χ^2/NDF : 90.2/4

-13.320+/-0.676 χ^2/NDF : 1585.7/5

1.780+/-0.468 χ^2/NDF : 2635.9/10

15.731+/-0.650 χ^2/NDF : 90.2/4

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 ± 0.471 $\chi^2/\text{NDF}: 286.8/16$

Left Out: -0.360 ± 0.472 $\chi^2/\text{NDF}: 16.2/5$

Right Out: -4.700 ± 0.472 $\chi^2/\text{NDF}: 184.2/19$

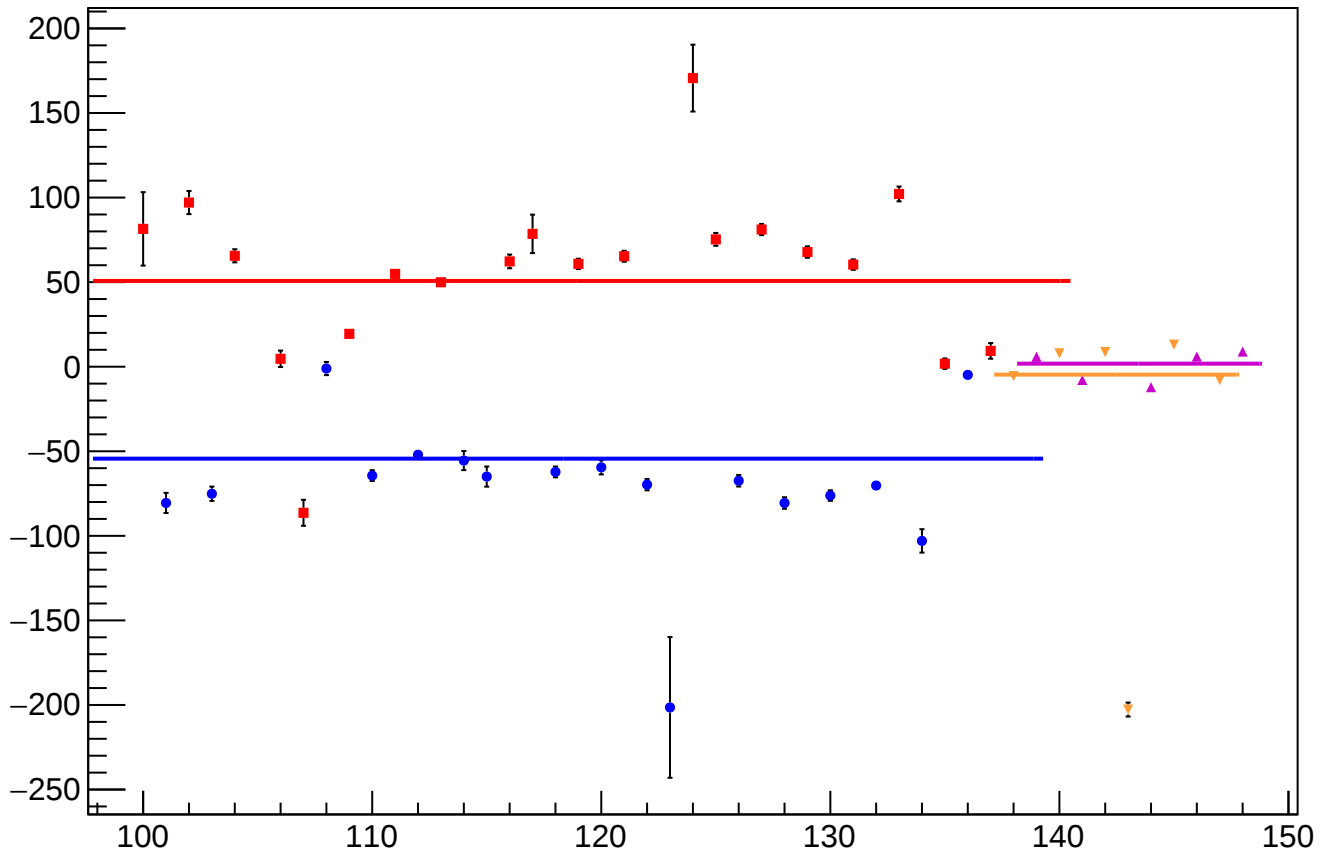
Left In: 0.096 ± 0.431 $\chi^2/\text{NDF}: 22.4/4$

2.026 ± 0.334 $\chi^2/\text{NDF}: 353.9/22$

-0.125 ± 0.230 $\chi^2/\text{NDF}: 696.1/47$

-2.086 ± 0.319 $\chi^2/\text{NDF}: 262.8/24$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: -4.680 ± 0.698 χ^2/NDF : 2496.7/5

Right Out: 50.712 ± 0.855 χ^2/NDF : 1327.3/19

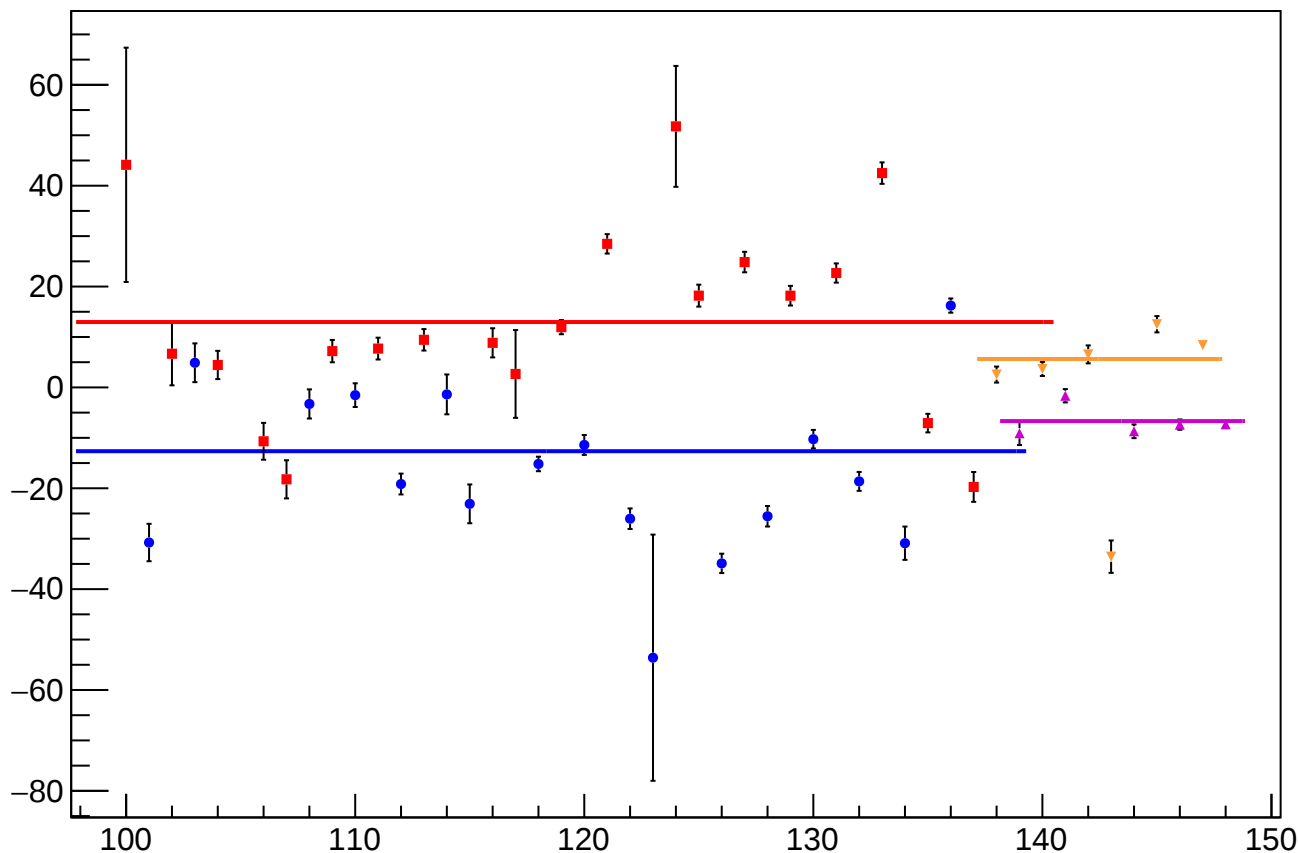
Left In: 1.794 ± 0.658 χ^2/NDF : 146.4/4

-24.191 ± 0.544 χ^2/NDF : 5499.0/22

-1.165 ± 0.377 χ^2/NDF : 12464.6/47

19.997 ± 0.522 χ^2/NDF : 3528.6/24

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: 5.642 ± 0.594 χ^2/NDF : 181.7/5

Right Out: 12.965 ± 0.536 χ^2/NDF : 722.8/19

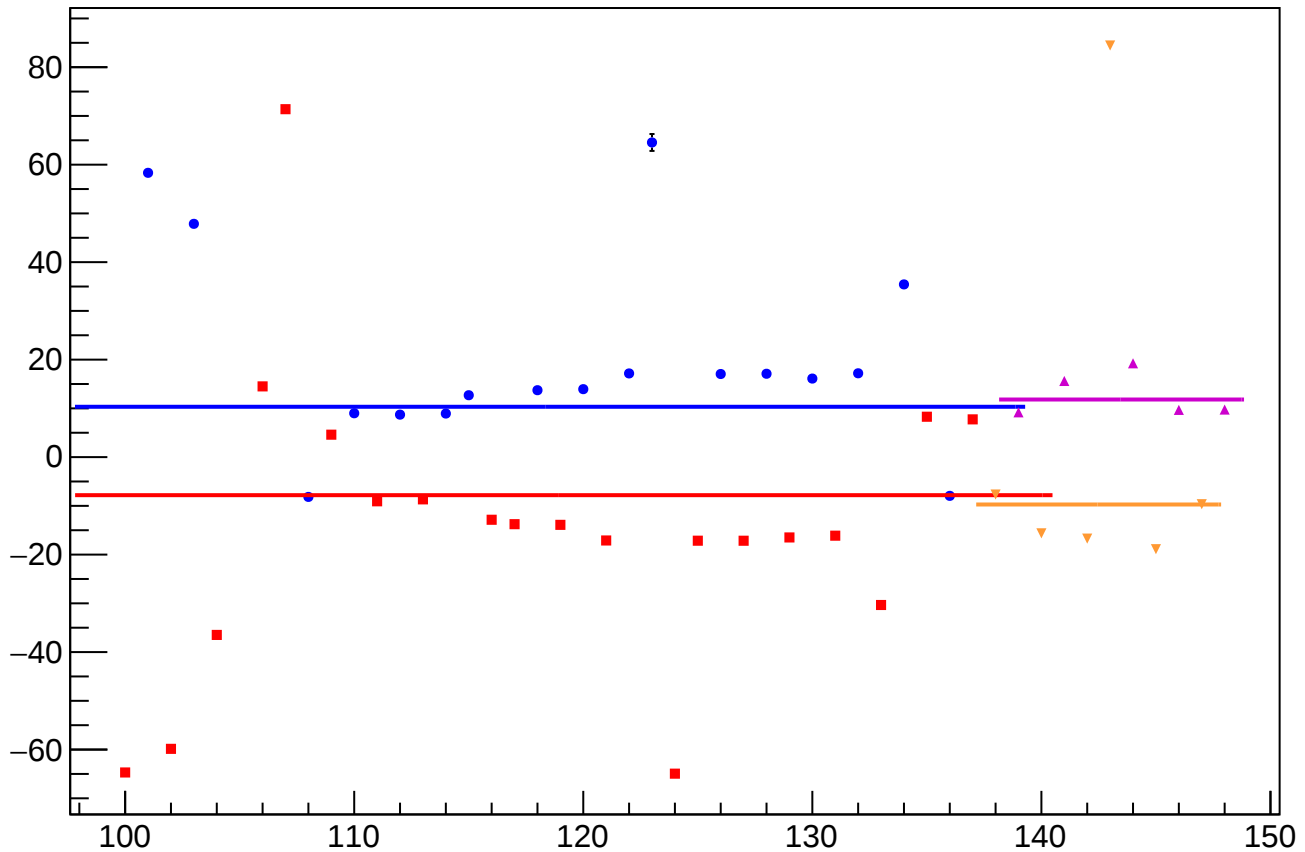
Left In: -6.678 ± 0.551 χ^2/NDF : 18.5/4

-4.432 ± 0.398 χ^2/NDF : 1492.7/22

-0.379 ± 0.276 χ^2/NDF : 3087.3/47

3.397 ± 0.384 χ^2/NDF : 1394.3/24

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: -9.720+/-0.029 χ^2/NDF : 354315.1/5

Right Out: -7.808+/-0.031 χ^2/NDF : 544249.7/19

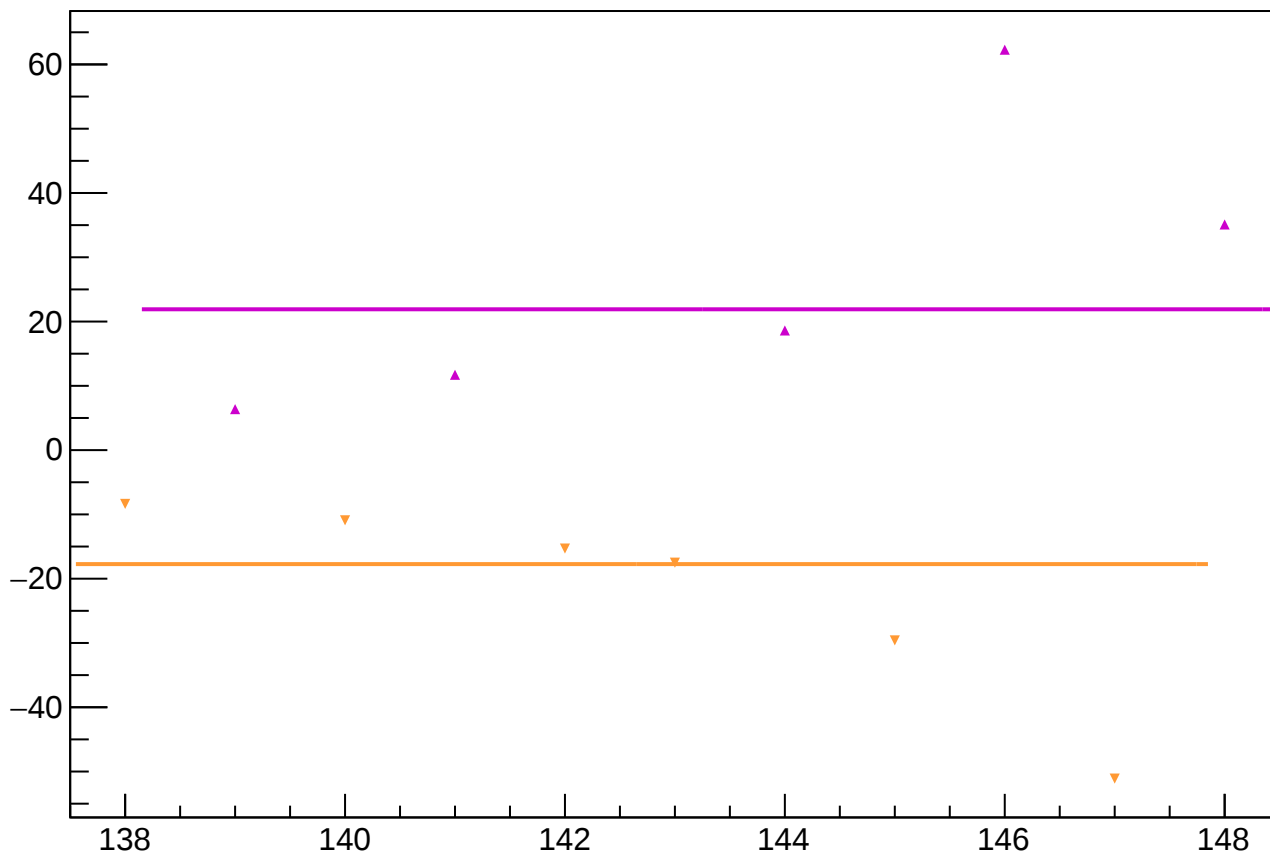
Left In: 11.819+/-0.027 χ^2/NDF : 18206.9/4

-0.178+/-0.021 χ^2/NDF : 959057.6/22

1.660+/-0.015 χ^2/NDF : 1761021.1/47

3.382+/-0.020 χ^2/NDF : 787358.7/24

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.731+/-0.113 χ^2/NDF :13600.6/5

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

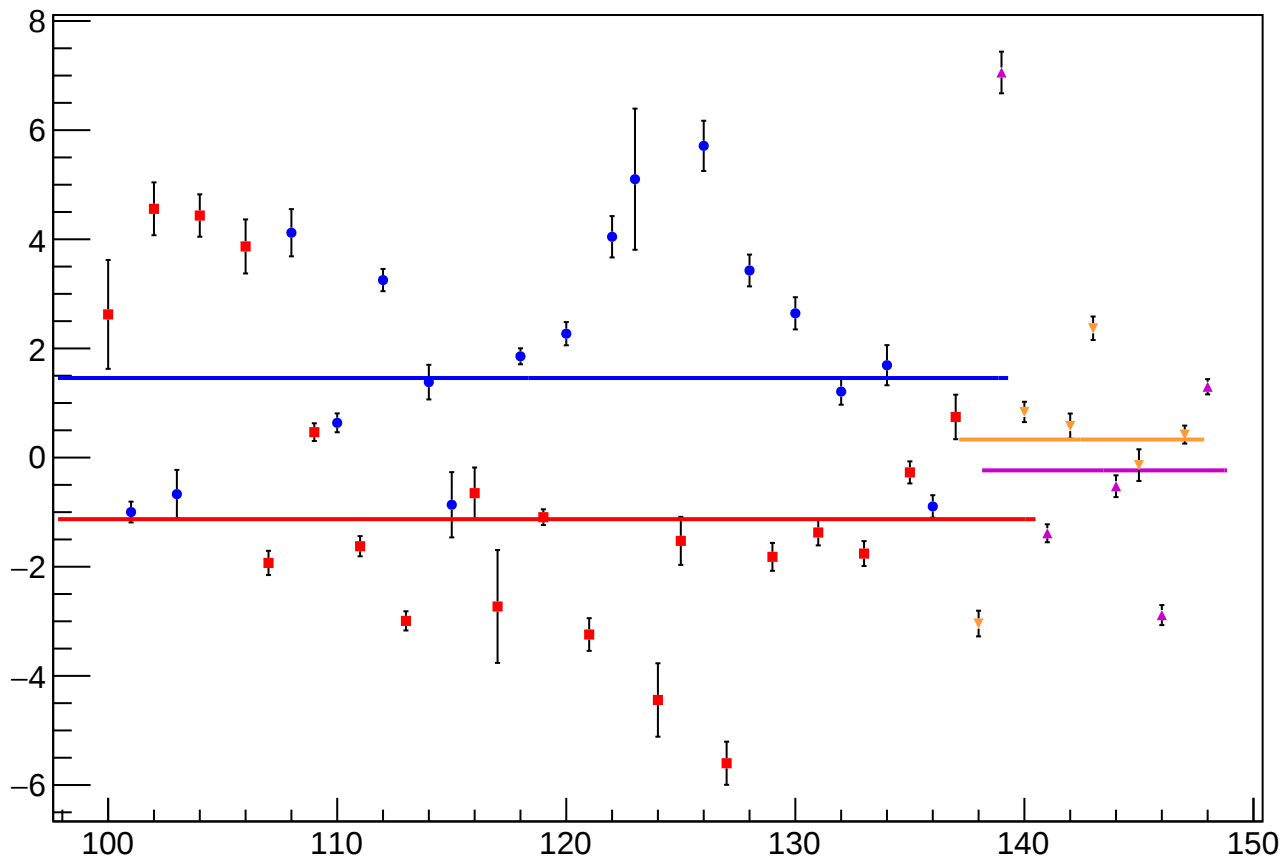
Left In: 21.908+/-0.114 χ^2/NDF :26176.3/4

-17.731+/-0.113 χ^2/NDF : 13600.6/5

1.859+/-0.080 χ^2/NDF : 100652.7/10

21.908+/-0.114 χ^2/NDF : 26176.3/4

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 $\pm$ 0.062 χ^2/NDF : 698.2/16

Left Out: 0.331 $\pm$ 0.086 χ^2/NDF : 306.1/5

Right Out: -1.128 $\pm$ 0.058 χ^2/NDF : 949.8/19

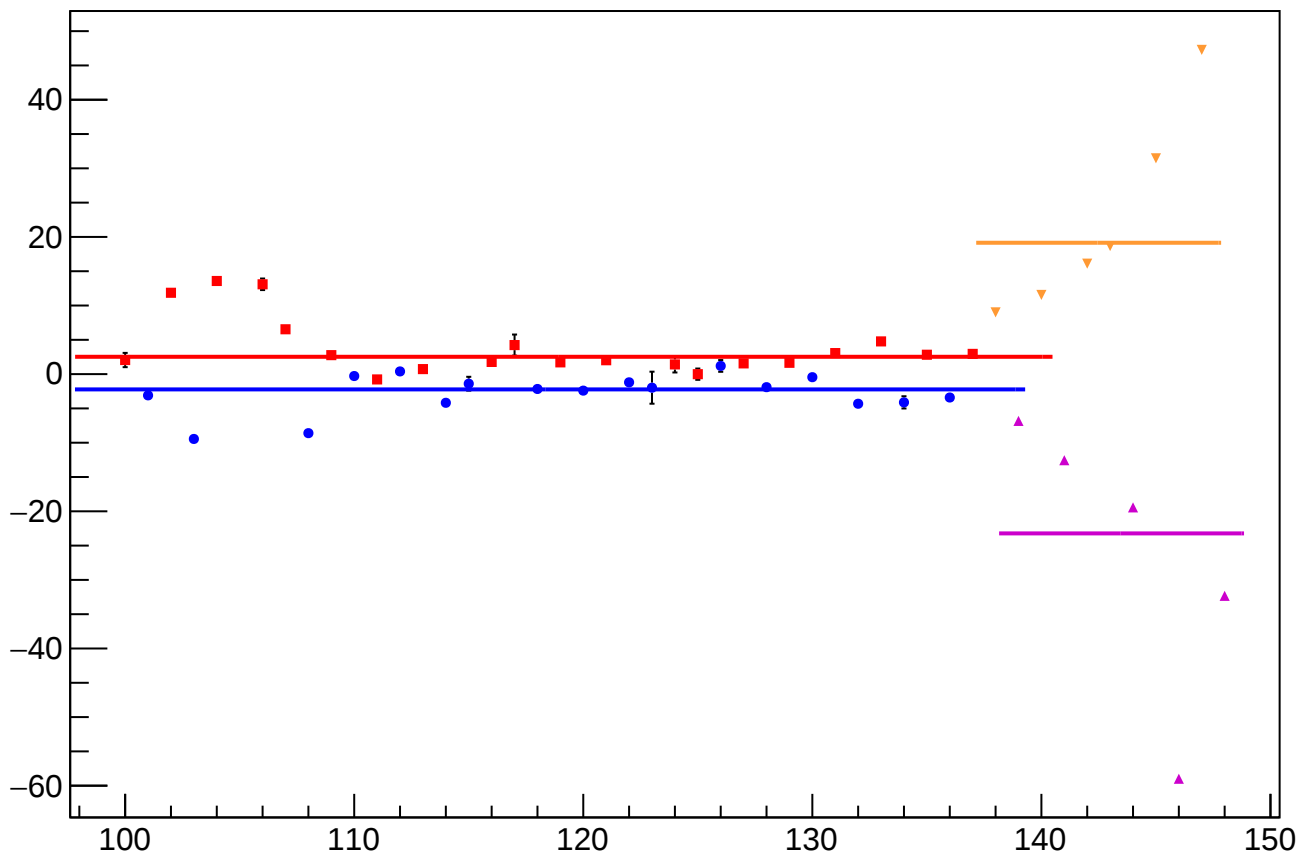
Left In: -0.234 $\pm$ 0.082 χ^2/NDF : 745.5/4

1.072 $\pm$ 0.050 χ^2/NDF : 1117.8/22

0.065 $\pm$ 0.034 χ^2/NDF : 3651.5/47

-0.828 $\pm$ 0.047 χ^2/NDF : 1775.0/24

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: 19.151 ± 0.119 χ^2/NDF : 11918.7/5

Right Out: 2.527 ± 0.099 χ^2/NDF : 905.2/19

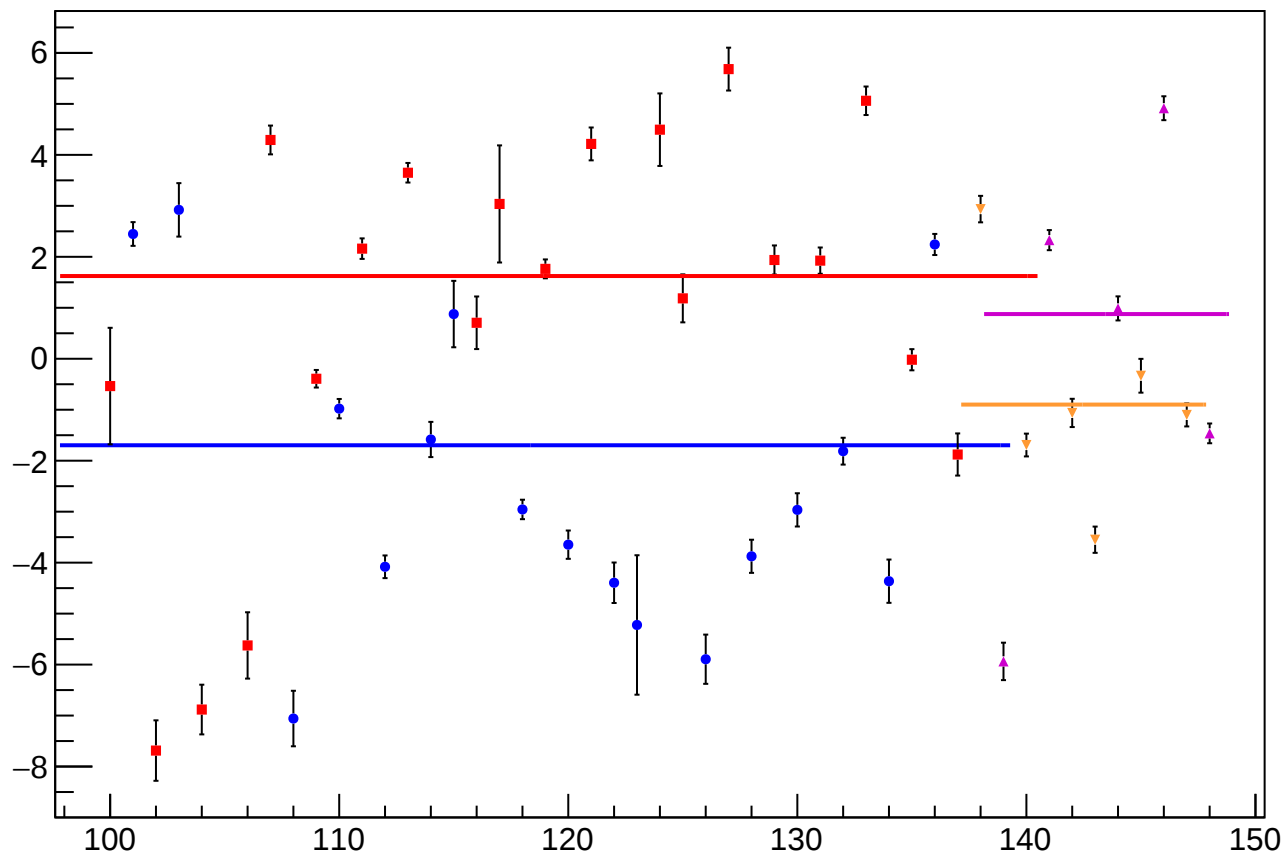
Left In: -23.221 ± 0.118 χ^2/NDF : 22527.6/4

7.739 ± 0.081 χ^2/NDF : 29590.5/22

-0.760 ± 0.055 χ^2/NDF : 101512.5/47

-8.119 ± 0.076 χ^2/NDF : 51529.6/24

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 $\chi^2/\text{NDF}: 1319.4/16$

Left Out: -0.899 ± 0.104 $\chi^2/\text{NDF}: 340.7/5$

Right Out: 1.623 ± 0.066 $\chi^2/\text{NDF}: 1490.8/19$

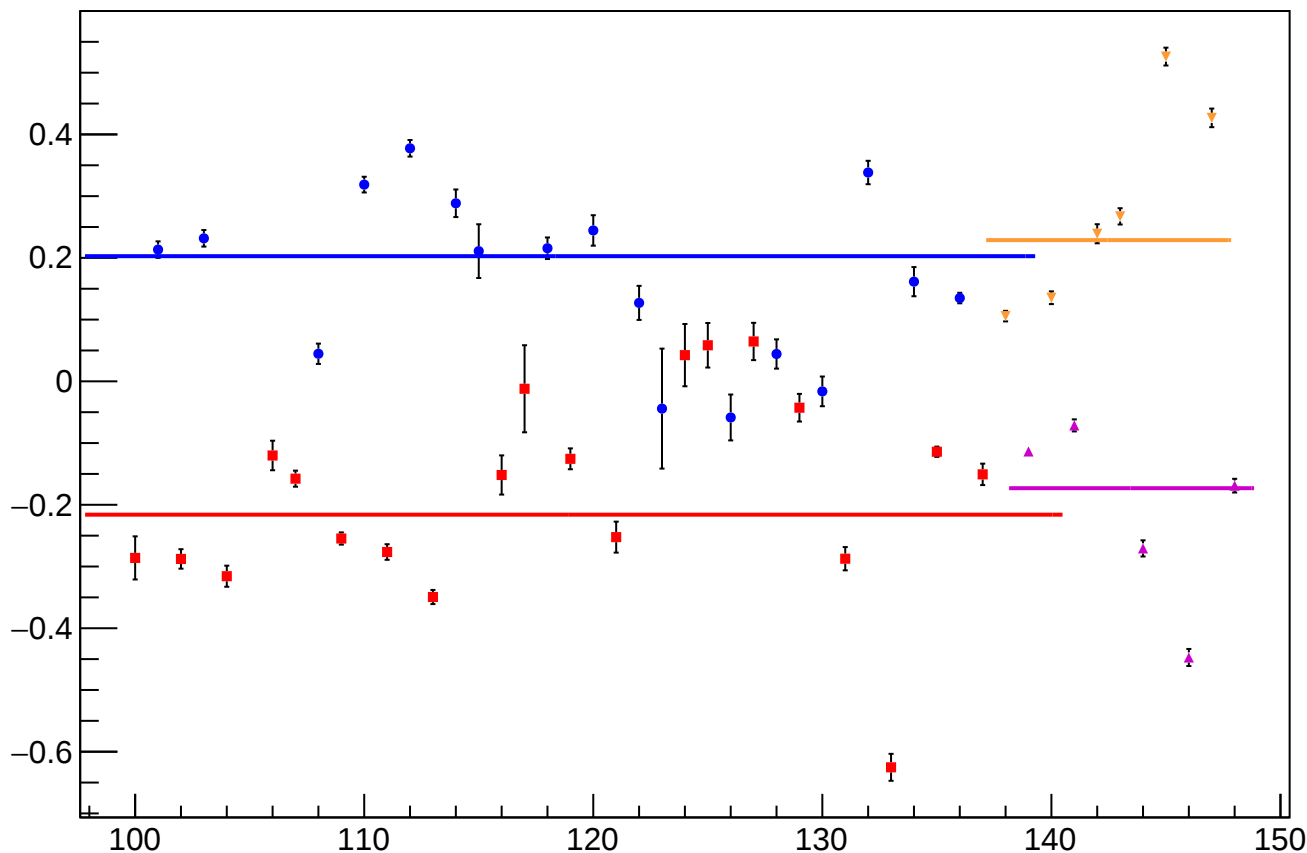
Left In: 0.877 ± 0.102 $\chi^2/\text{NDF}: 841.6/4$

-1.444 ± 0.059 $\chi^2/\text{NDF}: 1700.0/22$

0.070 ± 0.040 $\chi^2/\text{NDF}: 5319.6/47$

1.405 ± 0.055 $\chi^2/\text{NDF}: 2370.1/24$

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: 0.229 ± 0.005 χ^2/NDF : 894.3/5

Right Out: -0.216 ± 0.004 χ^2/NDF : 1072.8/19

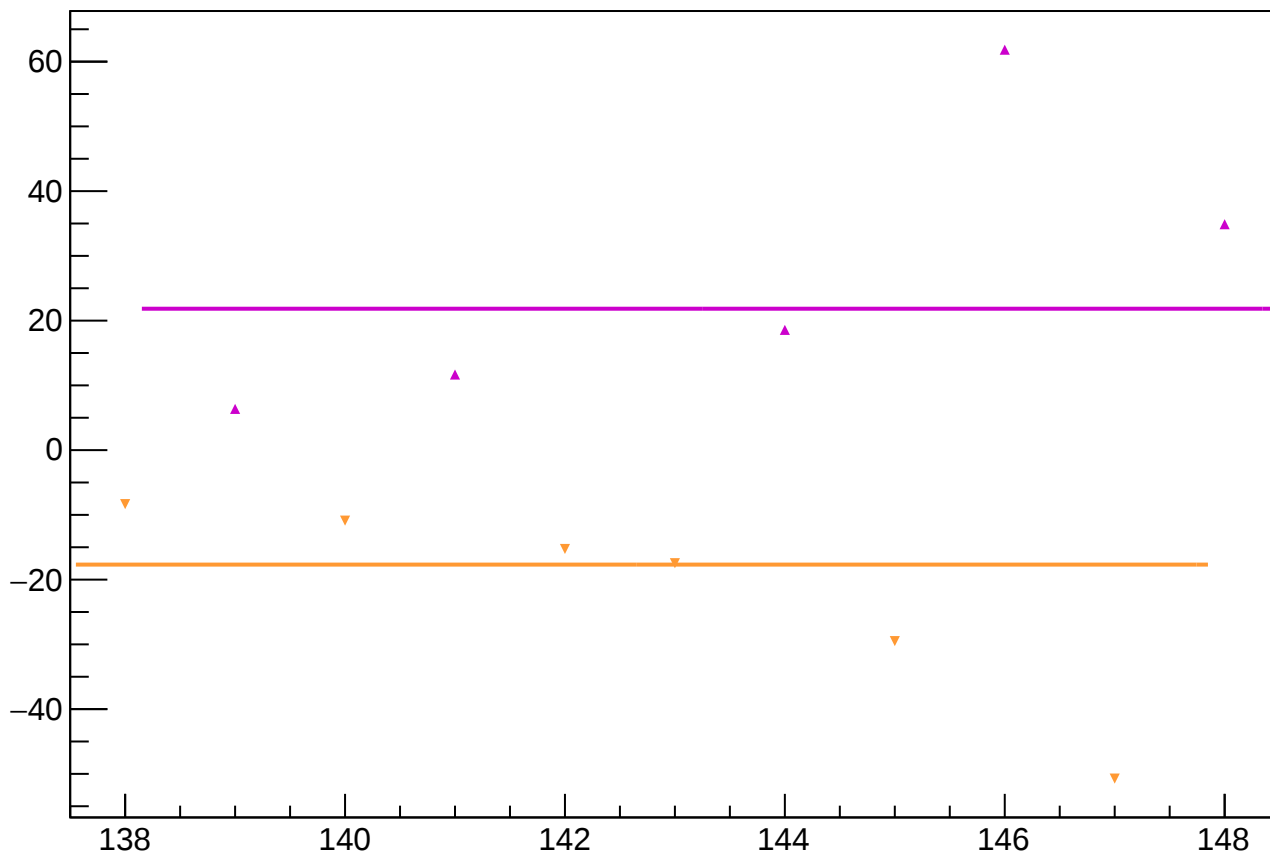
Left In: -0.173 ± 0.005 χ^2/NDF : 611.2/4

0.214 ± 0.003 χ^2/NDF : 1587.3/22

-0.010 ± 0.002 χ^2/NDF : 12588.9/47

-0.200 ± 0.003 χ^2/NDF : 1735.2/24

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.679+/-0.112 χ^2/NDF : 13576.3/5

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

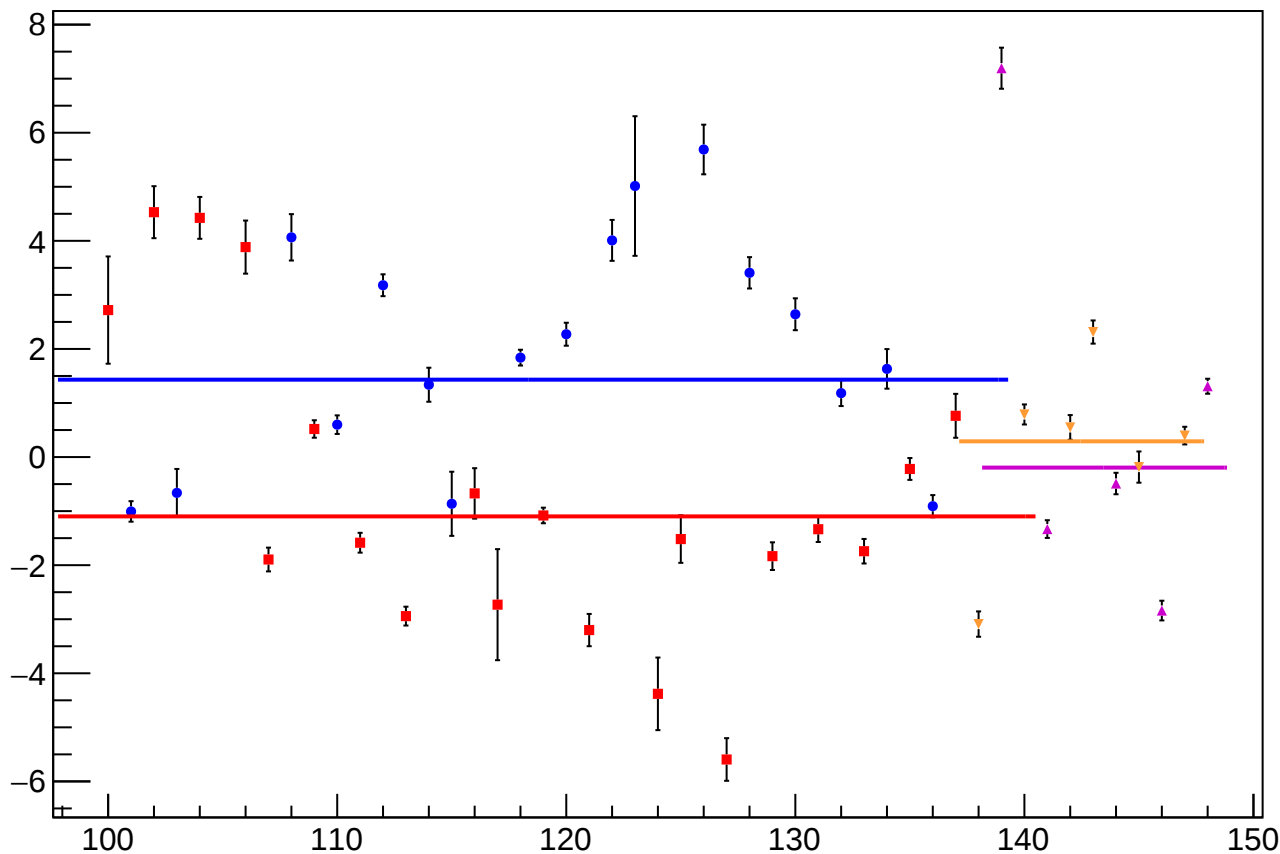
Left In: 21.840+/-0.114 χ^2/NDF : 26106.5/4

-17.679+/-0.112 χ^2/NDF : 13576.3/5

1.860+/-0.080 χ^2/NDF : 100810.5/10

21.840+/-0.114 χ^2/NDF : 26106.5/4

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 0.291 ± 0.085 χ^2/NDF : 308.5/5

Right Out: -1.098 ± 0.058 χ^2/NDF : 955.7/19

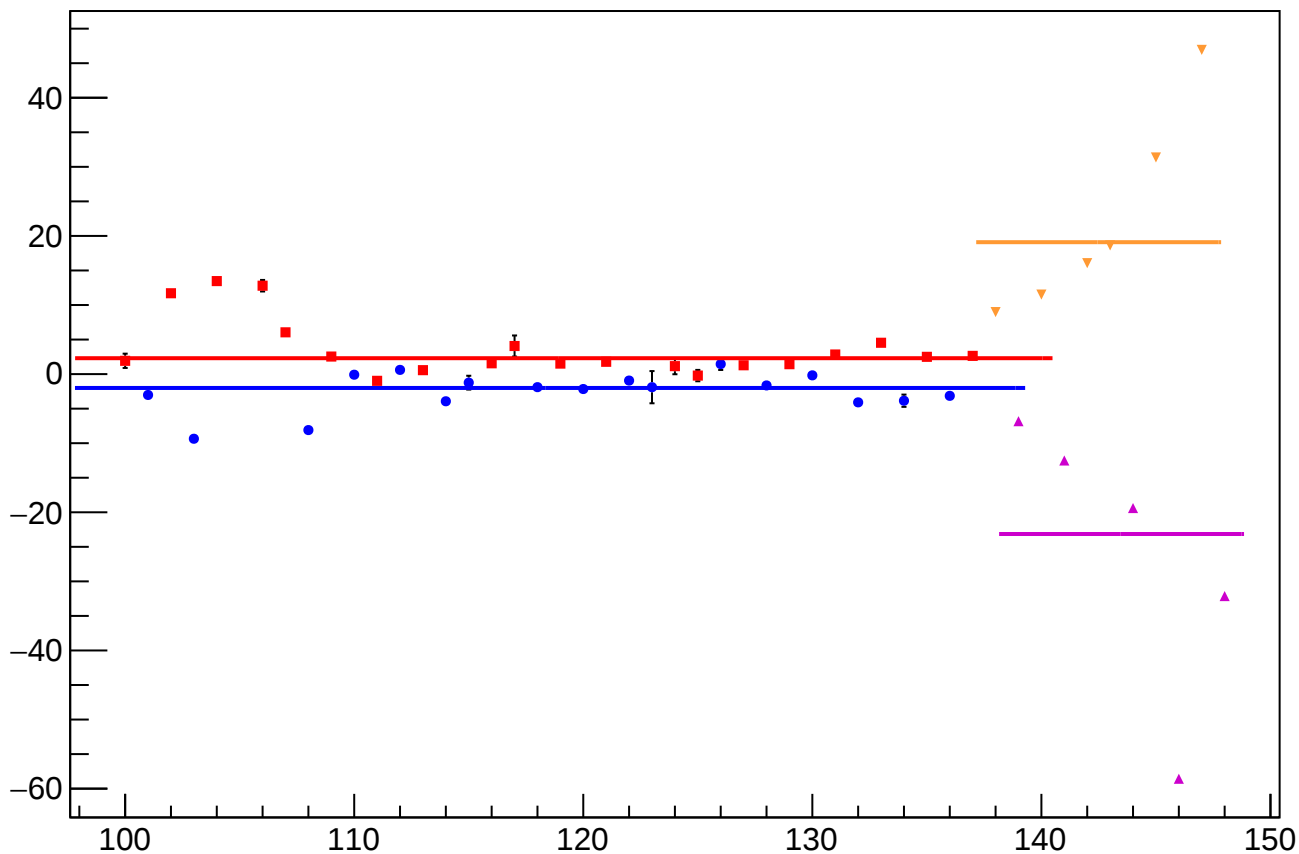
Left In: -0.195 ± 0.081 χ^2/NDF : 757.3/4

1.040 ± 0.050 χ^2/NDF : 1122.6/22

0.068 ± 0.034 χ^2/NDF : 3631.8/47

-0.794 ± 0.047 χ^2/NDF : 1795.0/24

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: 19.094 ± 0.118 χ^2/NDF : 11890.8/5

Right Out: 2.302 ± 0.098 χ^2/NDF : 908.6/19

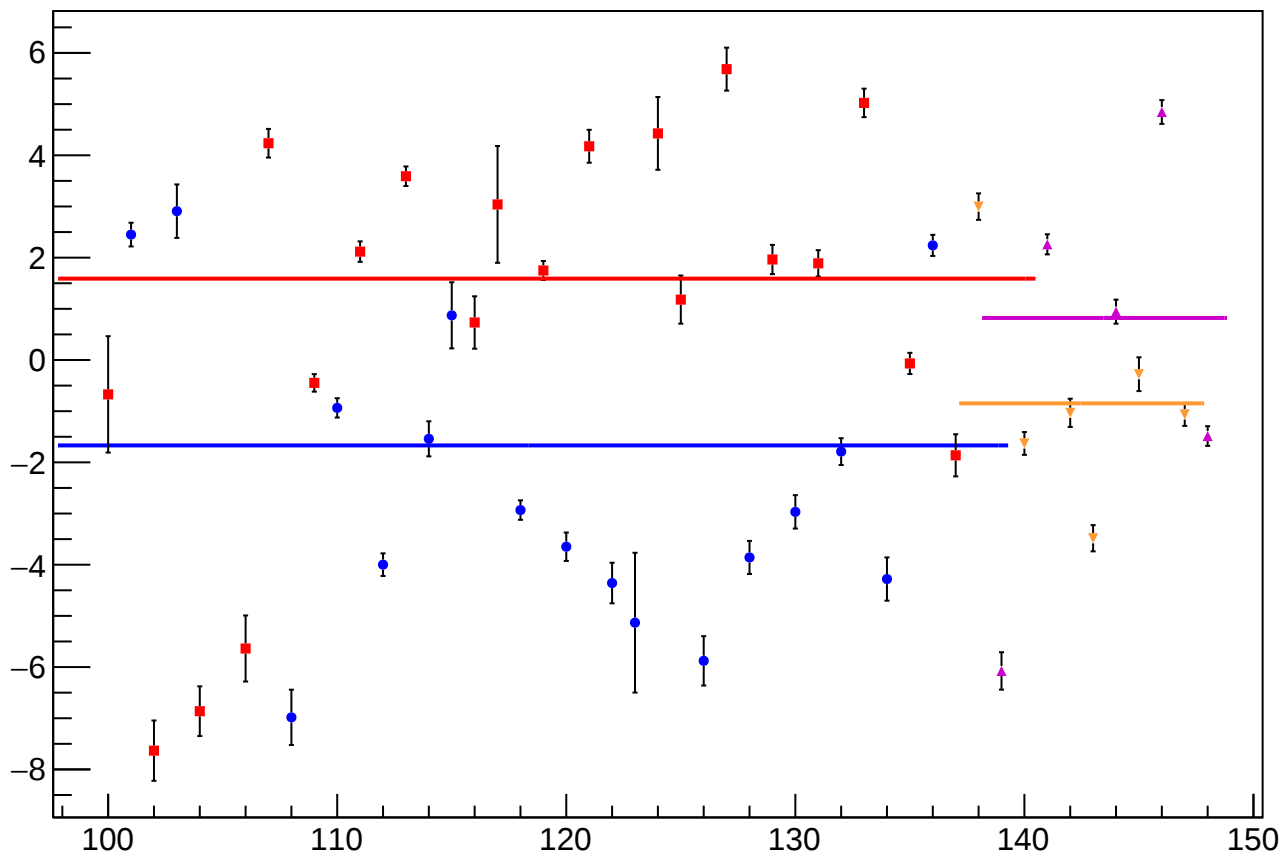
Left In: -23.143 ± 0.117 χ^2/NDF : 22454.3/4

7.831 ± 0.081 χ^2/NDF : 29283.4/22

-0.775 ± 0.055 χ^2/NDF : 101495.1/47

-8.221 ± 0.075 χ^2/NDF : 51099.9/24

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -0.847 ± 0.104 χ^2/NDF : 343.5/5

Right Out: 1.590 ± 0.065 χ^2/NDF : 1496.3/19

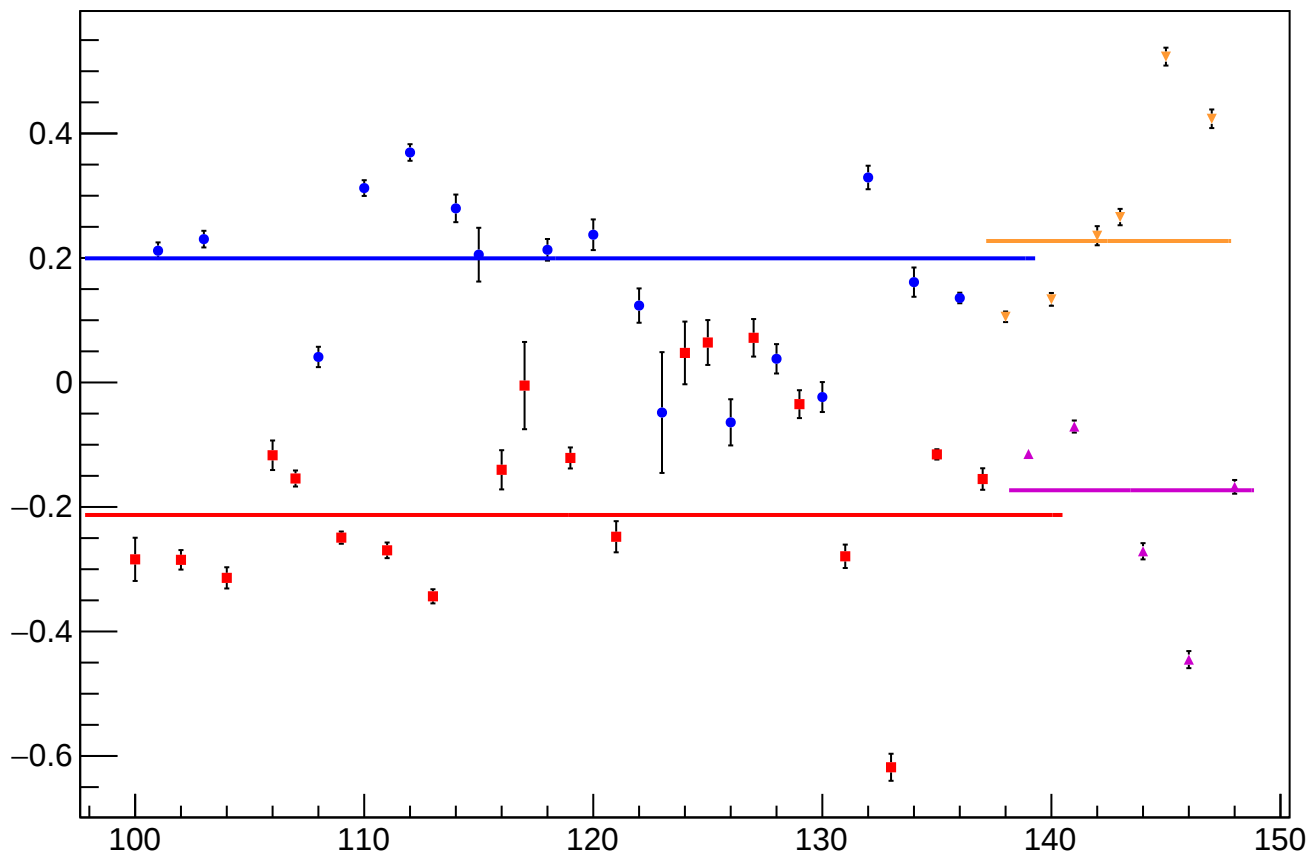
Left In: 0.822 ± 0.102 χ^2/NDF : 853.1/4

-1.409 ± 0.058 χ^2/NDF : 1701.2/22

0.066 ± 0.040 χ^2/NDF : 5286.8/47

1.365 ± 0.055 χ^2/NDF : 2390.0/24

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199+/-0.004 χ^2/NDF : 662.1/16

Left Out: 0.227+/-0.005 χ^2/NDF : 893.3/5

Right Out: -0.213+/-0.004 χ^2/NDF : 1057.0/19

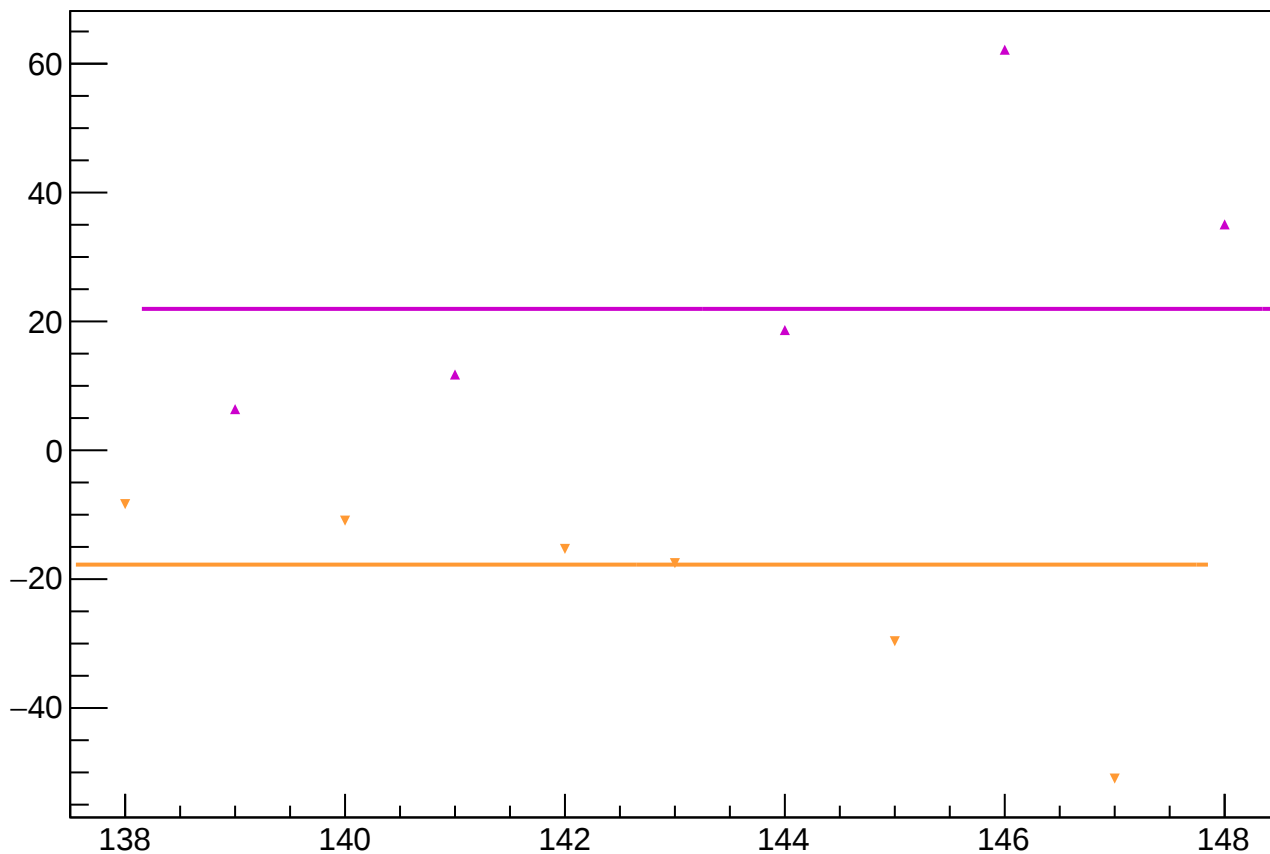
Left In: -0.173+/-0.005 χ^2/NDF : 612.4/4

0.211+/-0.003 χ^2/NDF : 1574.6/22

-0.010+/-0.002 χ^2/NDF : 12443.5/47

-0.198+/-0.003 χ^2/NDF : 1713.7/24

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.745+/-0.113 χ^2/NDF : 13582.1/5

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

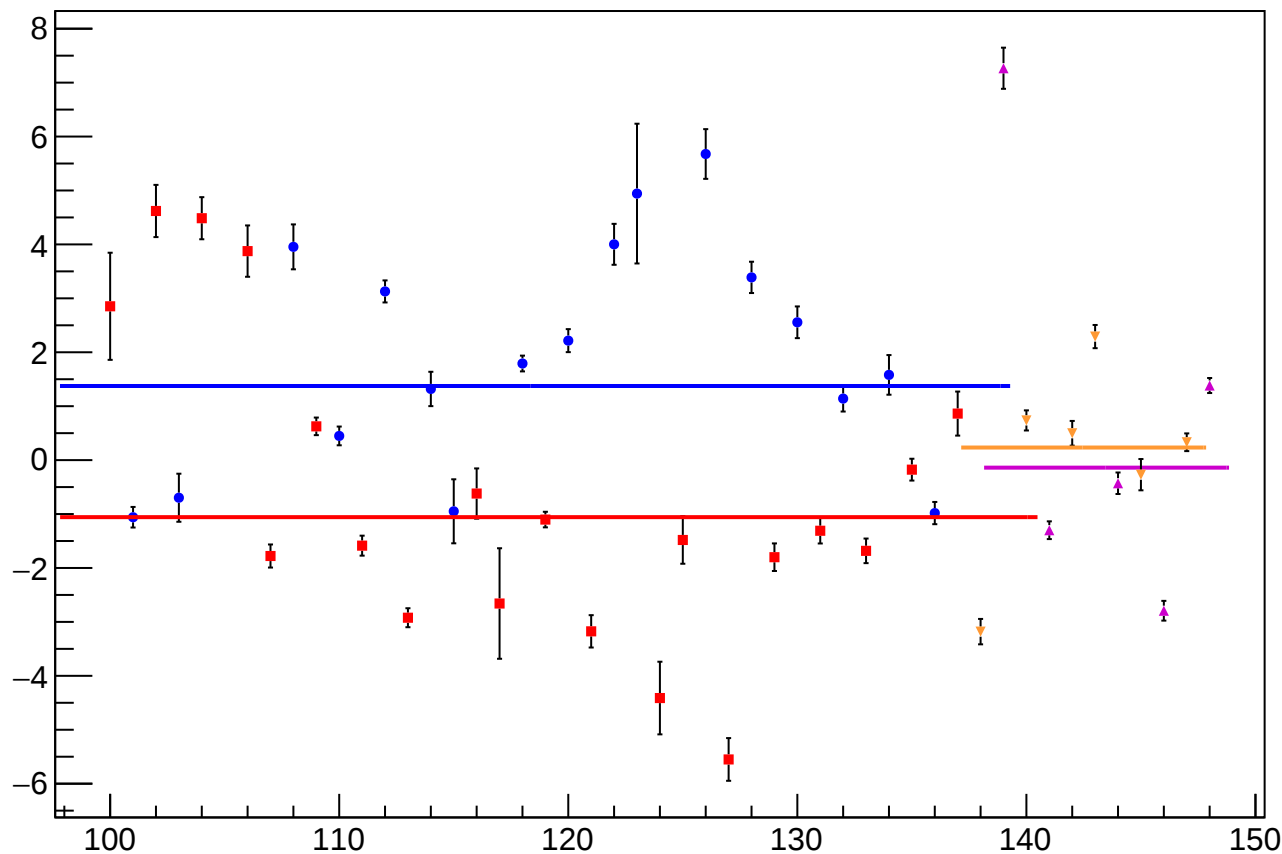
Left In: 21.946+/-0.114 χ^2/NDF : 26146.2/4

-17.745+/-0.113 χ^2/NDF : 13582.1/5

1.882+/-0.080 χ^2/NDF : 100842.0/10

21.946+/-0.114 χ^2/NDF : 26146.2/4

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: 0.233 ± 0.086 $\chi^2/\text{NDF}: 313.4/5$

Right Out: -1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

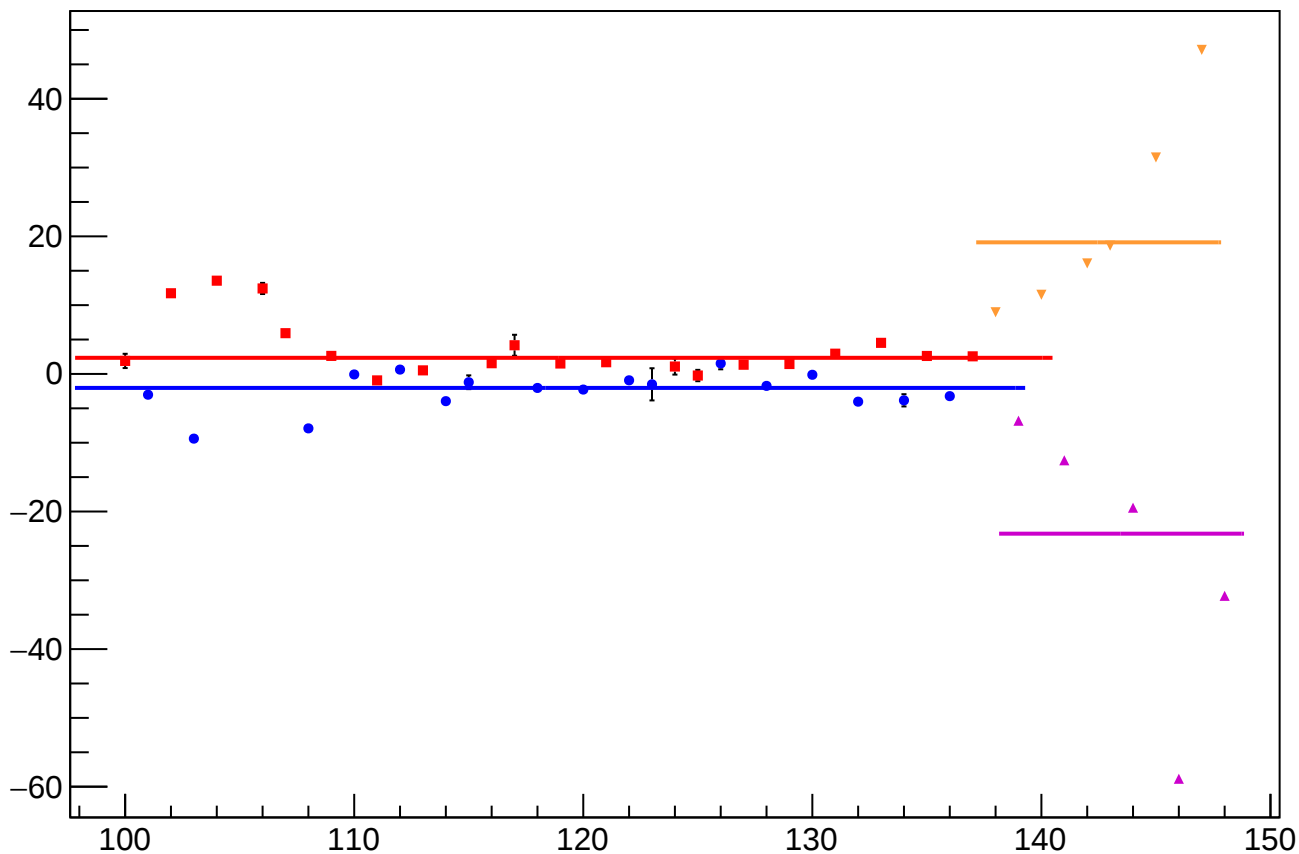
Left In: -0.140 ± 0.082 $\chi^2/\text{NDF}: 758.3/4$

0.983 ± 0.050 $\chi^2/\text{NDF}: 1132.4/22$

0.063 ± 0.034 $\chi^2/\text{NDF}: 3573.7/47$

-0.750 ± 0.047 $\chi^2/\text{NDF}: 1809.0/24$

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: 19.130 ± 0.119 χ^2/NDF : 11898.7/5

Right Out: 2.344 ± 0.099 χ^2/NDF : 903.4/19

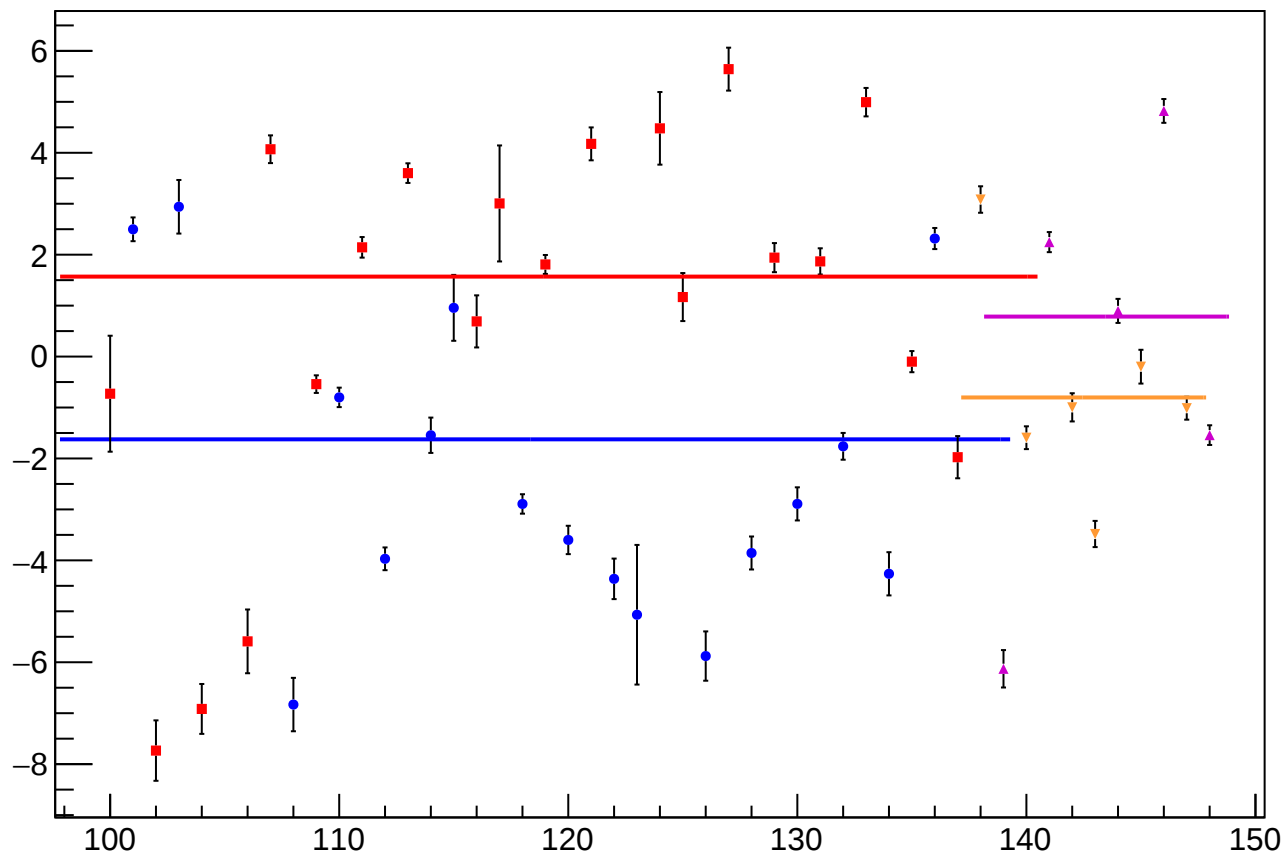
Left In: -23.221 ± 0.118 χ^2/NDF : 22495.1/4

7.842 ± 0.081 χ^2/NDF : 29226.3/22

-0.779 ± 0.055 χ^2/NDF : 101338.5/47

-8.234 ± 0.076 χ^2/NDF : 51140.2/24

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 $\chi^2/\text{NDF}: 1320.8/16$

Left Out: -0.803 ± 0.104 $\chi^2/\text{NDF}: 349.3/5$

Right Out: 1.570 ± 0.065 $\chi^2/\text{NDF}: 1507.4/19$

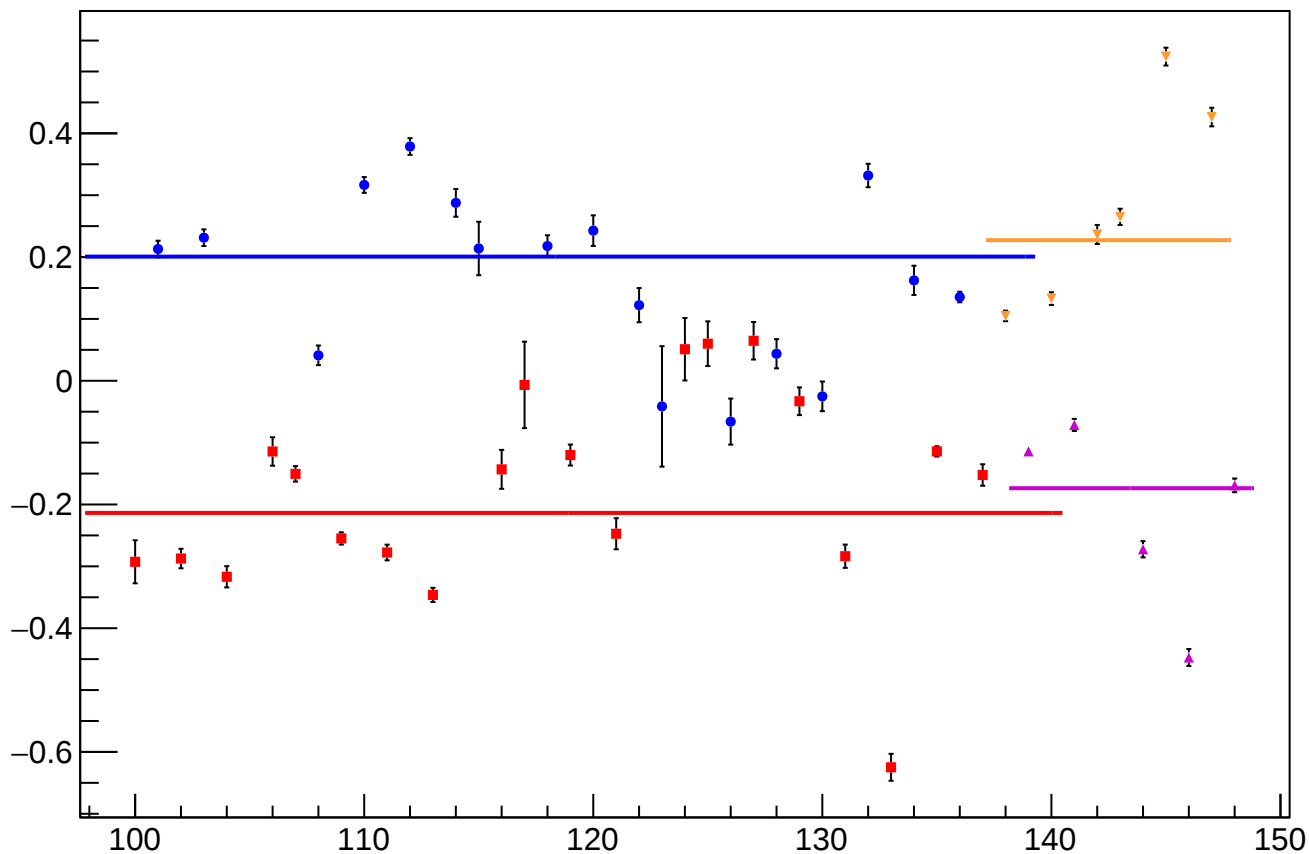
Left In: 0.785 ± 0.102 $\chi^2/\text{NDF}: 852.9/4$

-1.364 ± 0.059 $\chi^2/\text{NDF}: 1712.4/22$

0.075 ± 0.040 $\chi^2/\text{NDF}: 5241.9/47$

1.341 ± 0.055 $\chi^2/\text{NDF}: 2402.2/24$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.227 ± 0.005 χ^2/NDF : 894.6/5

Right Out: -0.214 ± 0.004 χ^2/NDF : 1089.2/19

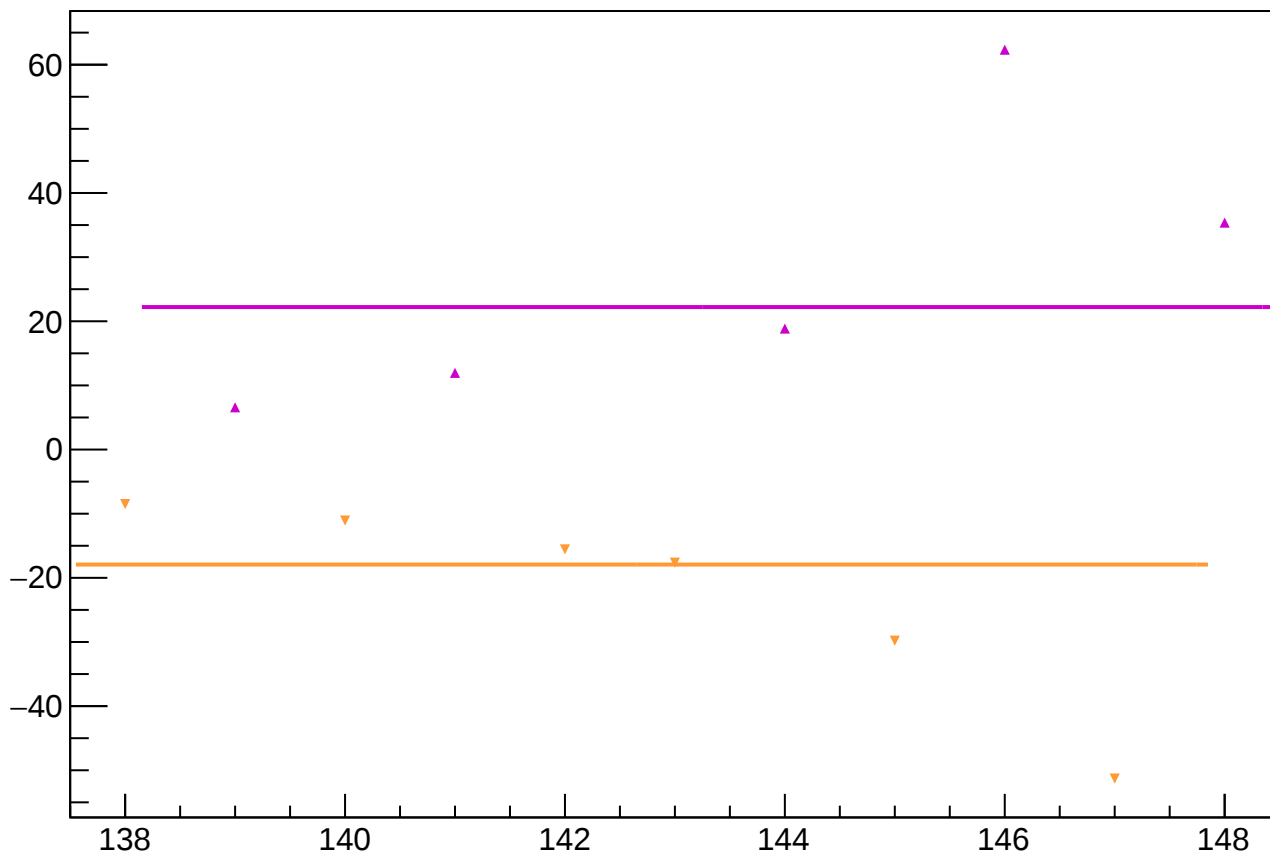
Left In: -0.174 ± 0.005 χ^2/NDF : 614.6/4

0.212 ± 0.003 χ^2/NDF : 1602.5/22

-0.010 ± 0.002 χ^2/NDF : 12508.2/47

-0.198 ± 0.003 χ^2/NDF : 1748.3/24

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.929+/-0.114 χ^2/NDF : 13466.8/5

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

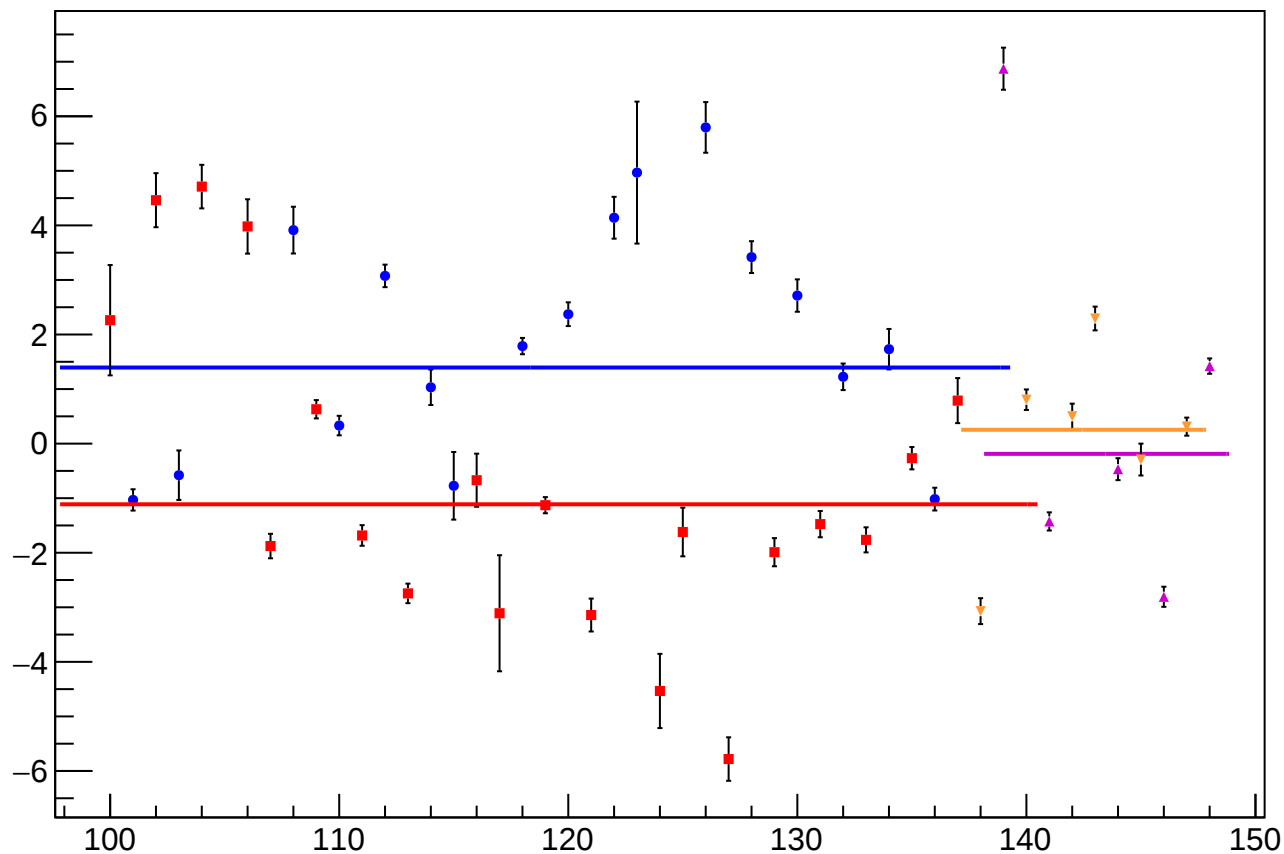
Left In: 22.217+/-0.115 χ^2/NDF : 25754.5/4

-17.929+/-0.114 χ^2/NDF : 13466.8/5

1.905+/-0.081 χ^2/NDF : 100559.5/10

22.217+/-0.115 χ^2/NDF : 25754.5/4

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: 0.254 ± 0.086 $\chi^2/\text{NDF}: 297.1/5$

Right Out: -1.112 ± 0.059 $\chi^2/\text{NDF}: 940.5/19$

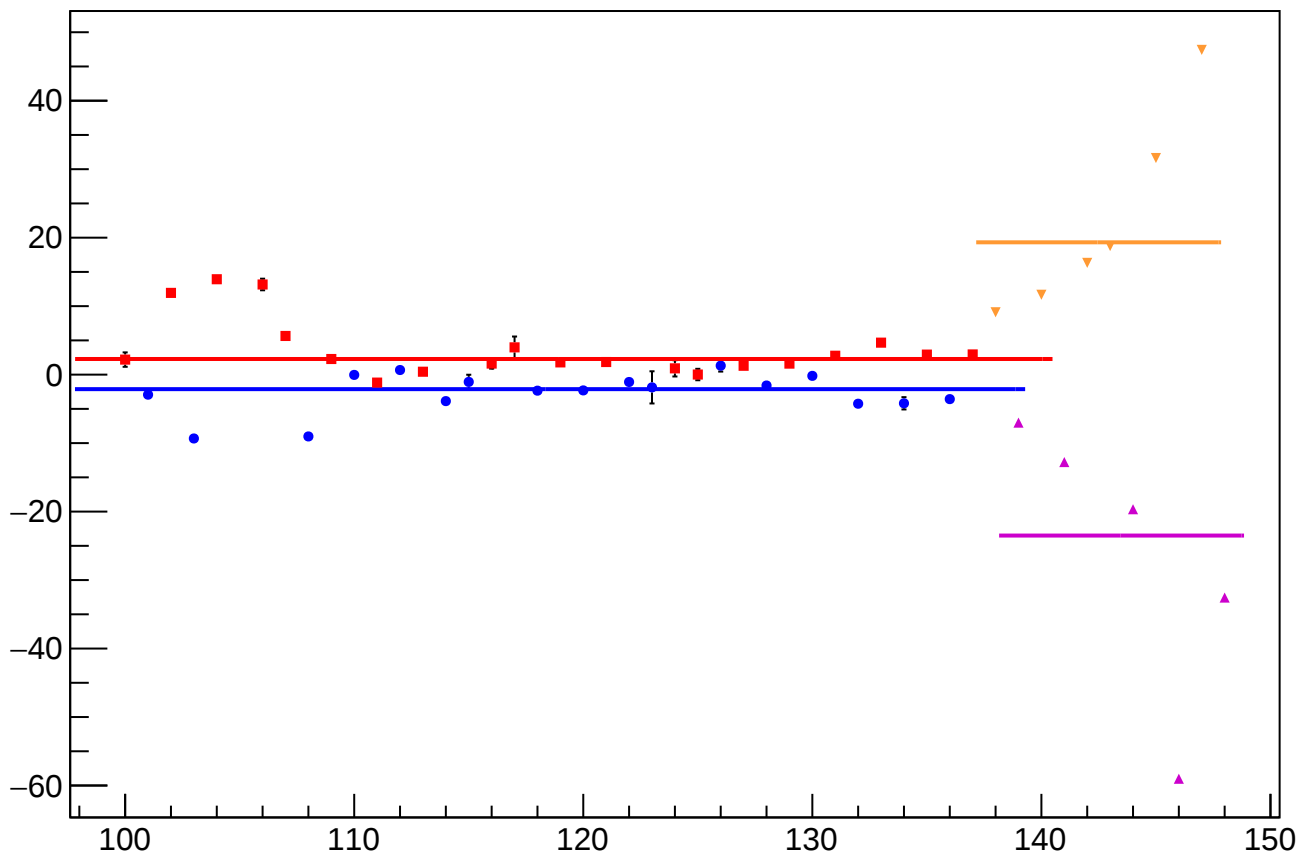
Left In: -0.187 ± 0.082 $\chi^2/\text{NDF}: 725.1/4$

0.998 ± 0.051 $\chi^2/\text{NDF}: 1112.3/22$

0.048 ± 0.035 $\chi^2/\text{NDF}: 3519.0/47$

-0.797 ± 0.048 $\chi^2/\text{NDF}: 1748.8/24$

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: 19.322 ± 0.120 χ^2/NDF : 11790.4/5

Right Out: 2.284 ± 0.101 χ^2/NDF : 920.6/19

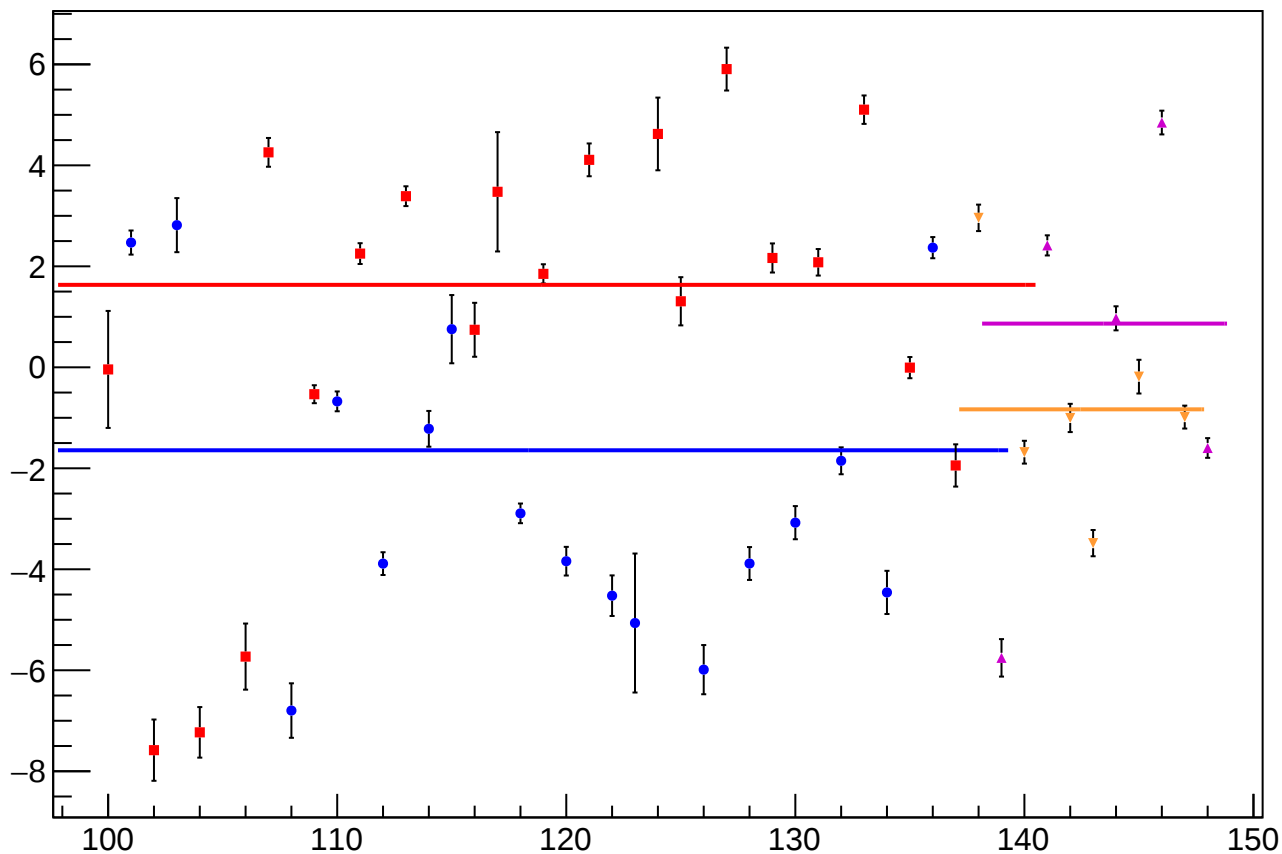
Left In: -23.499 ± 0.119 χ^2/NDF : 22130.8/4

7.977 ± 0.082 χ^2/NDF : 29140.6/22

-0.849 ± 0.056 χ^2/NDF : 101045.2/47

-8.524 ± 0.077 χ^2/NDF : 50459.7/24

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643 ± 0.072 $\chi^2/\text{NDF}: 1310.1/16$

Left Out: -0.832 ± 0.105 $\chi^2/\text{NDF}: 332.0/5$

Right Out: 1.633 ± 0.067 $\chi^2/\text{NDF}: 1470.6/19$

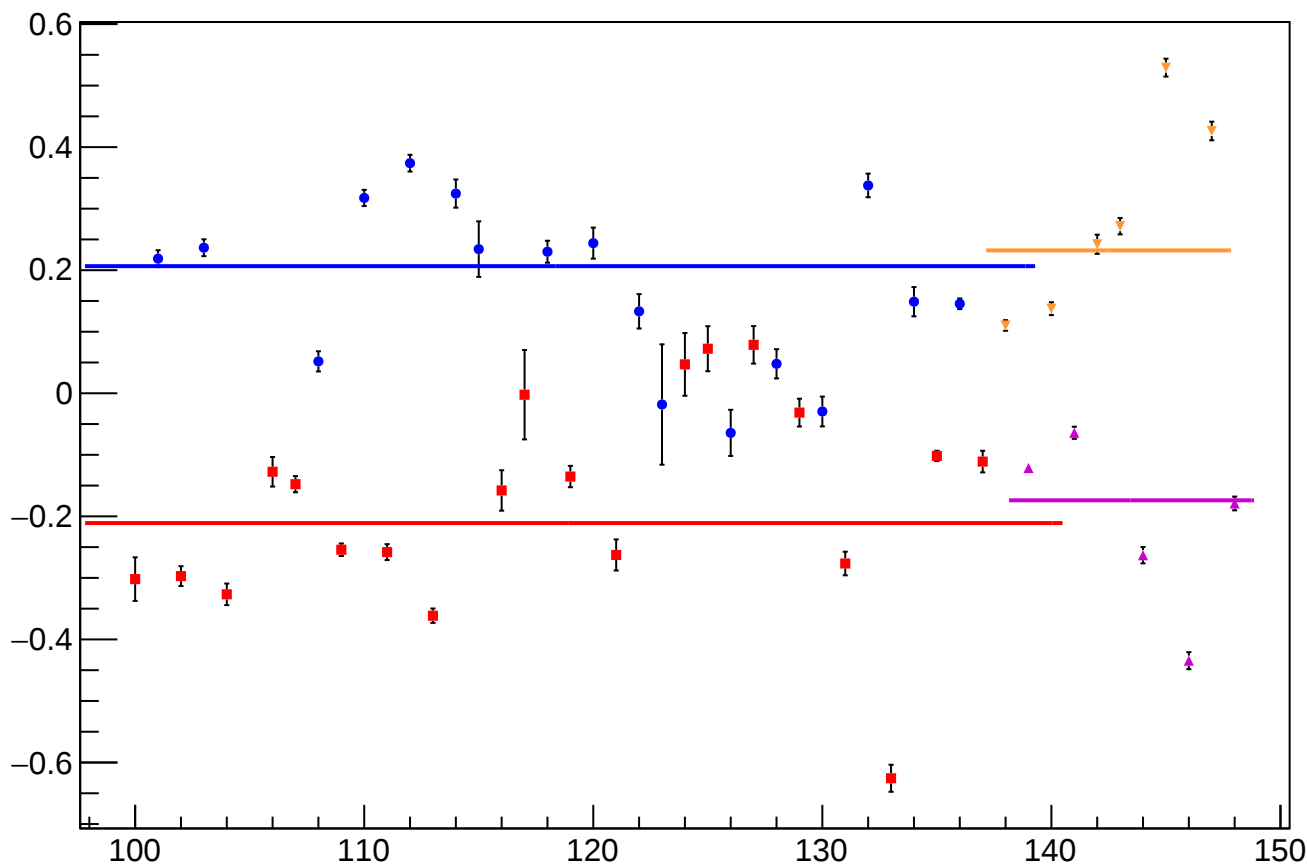
Left In: 0.866 ± 0.103 $\chi^2/\text{NDF}: 824.3/4$

-1.383 ± 0.060 $\chi^2/\text{NDF}: 1682.3/22$

0.098 ± 0.041 $\chi^2/\text{NDF}: 5177.2/47$

1.406 ± 0.056 $\chi^2/\text{NDF}: 2334.0/24$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 $\pm$ 0.004 χ^2 /NDF: 655.0/16

Left Out: 0.232 $\pm$ 0.005 χ^2 /NDF: 872.7/5

Right Out: -0.211 $\pm$ 0.004 χ^2 /NDF: 1153.8/19

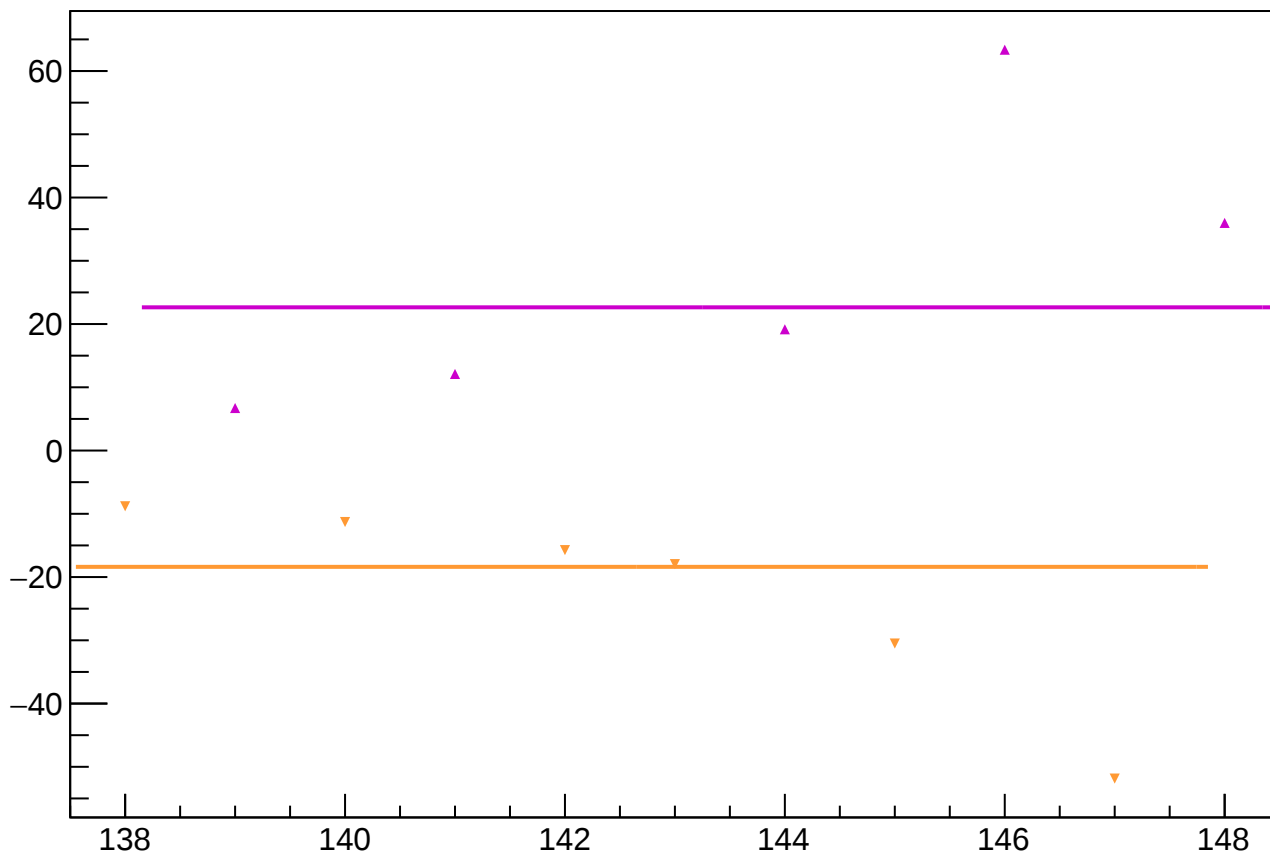
Left In: -0.174 $\pm$ 0.005 χ^2 /NDF: 562.6/4

0.217 $\pm$ 0.003 χ^2 /NDF: 1543.3/22

-0.006 $\pm$ 0.002 χ^2 /NDF: 12347.0/47

-0.197 $\pm$ 0.003 χ^2 /NDF: 1753.4/24

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -18.386+/-0.116 χ^2/NDF : 13271.8/5

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

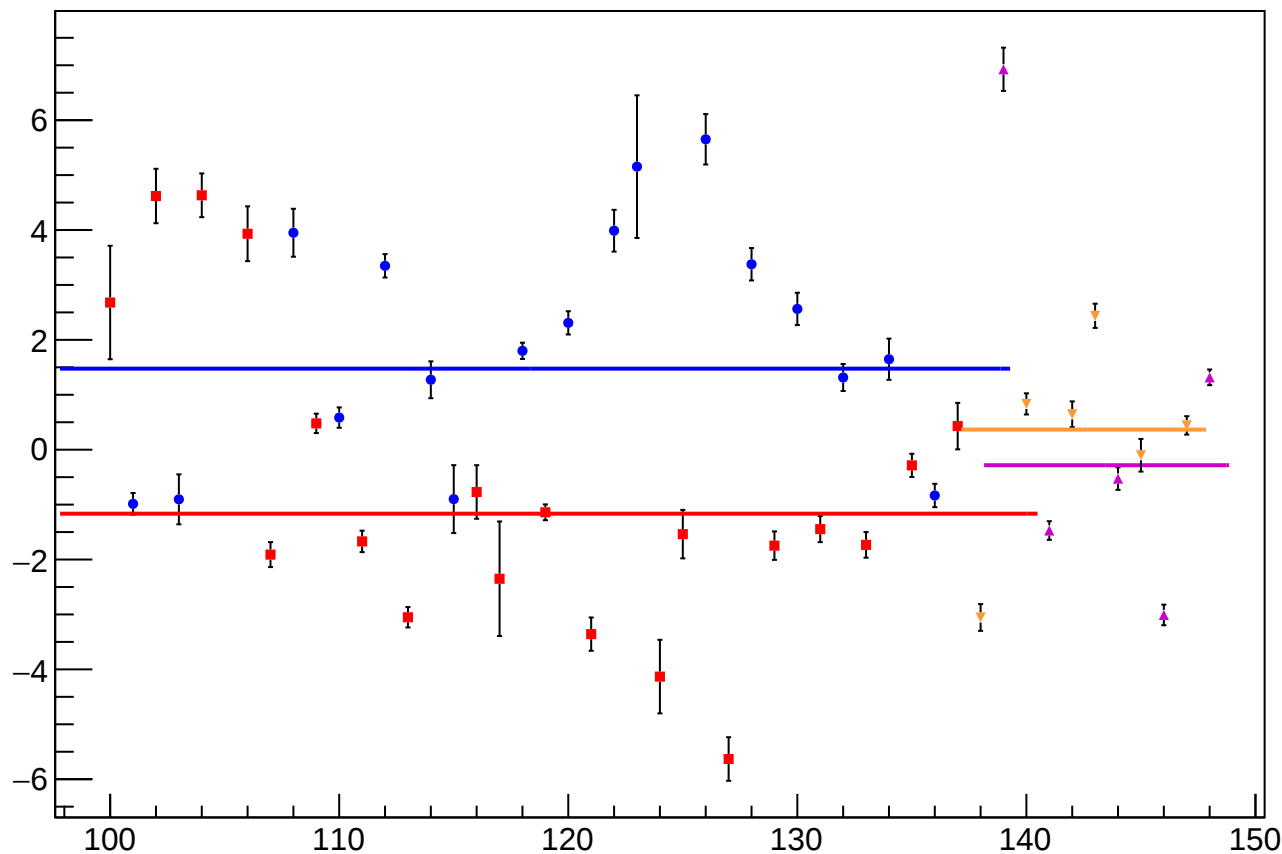
Left In: 22.643+/-0.117 χ^2/NDF : 25720.9/4

-18.386+/-0.116 χ^2/NDF : 13271.8/5

1.921+/-0.083 χ^2/NDF : 100603.2/10

22.643+/-0.117 χ^2/NDF : 25720.9/4

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 0.366 ± 0.088 χ^2/NDF : 295.6/5

Right Out: -1.165 ± 0.060 χ^2/NDF : 919.2/19

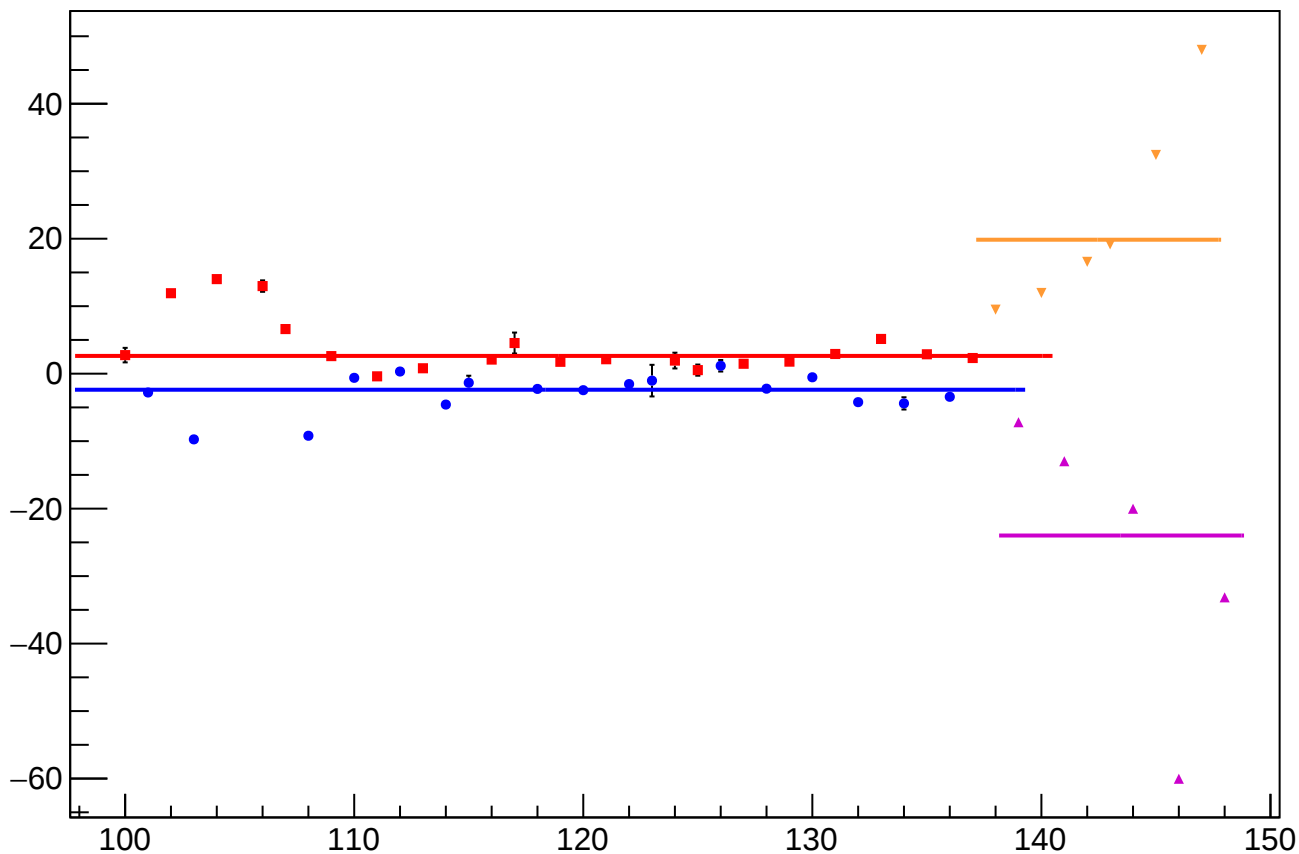
Left In: -0.283 ± 0.084 χ^2/NDF : 723.0/4

1.095 ± 0.052 χ^2/NDF : 1059.9/22

0.059 ± 0.035 χ^2/NDF : 3540.9/47

-0.867 ± 0.049 χ^2/NDF : 1715.7/24

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: 19.849+/-0.123 χ^2/NDF : 11591.8/5

Right Out: 2.631+/-0.103 χ^2/NDF : 842.8/19

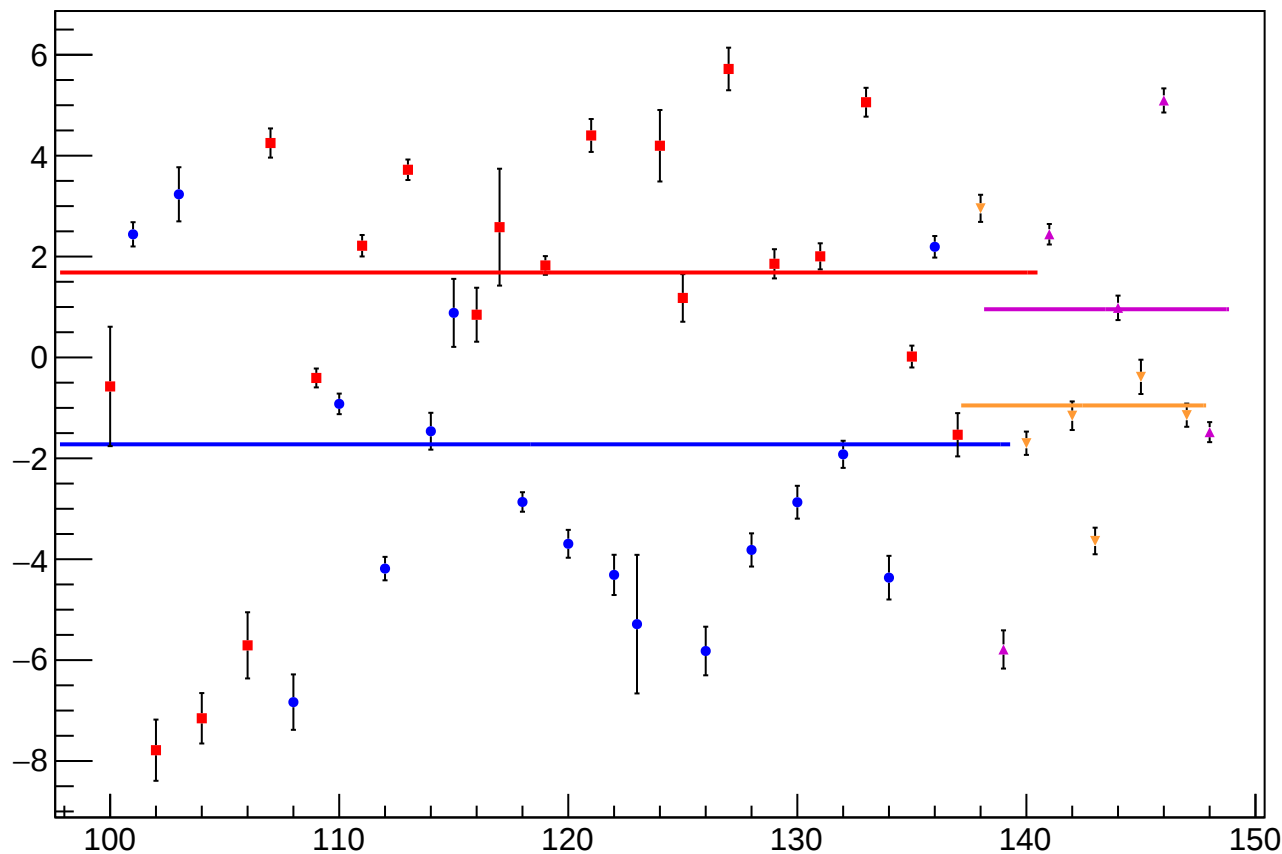
Left In: -23.983+/-0.121 χ^2/NDF : 22088.4/4

8.033+/-0.084 χ^2/NDF : 29524.0/22

-0.823+/-0.057 χ^2/NDF : 101424.4/47

-8.565+/-0.078 χ^2/NDF : 51003.2/24

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -0.951 ± 0.107 χ^2/NDF : 329.5/5

Right Out: 1.684 ± 0.068 χ^2/NDF : 1431.6/19

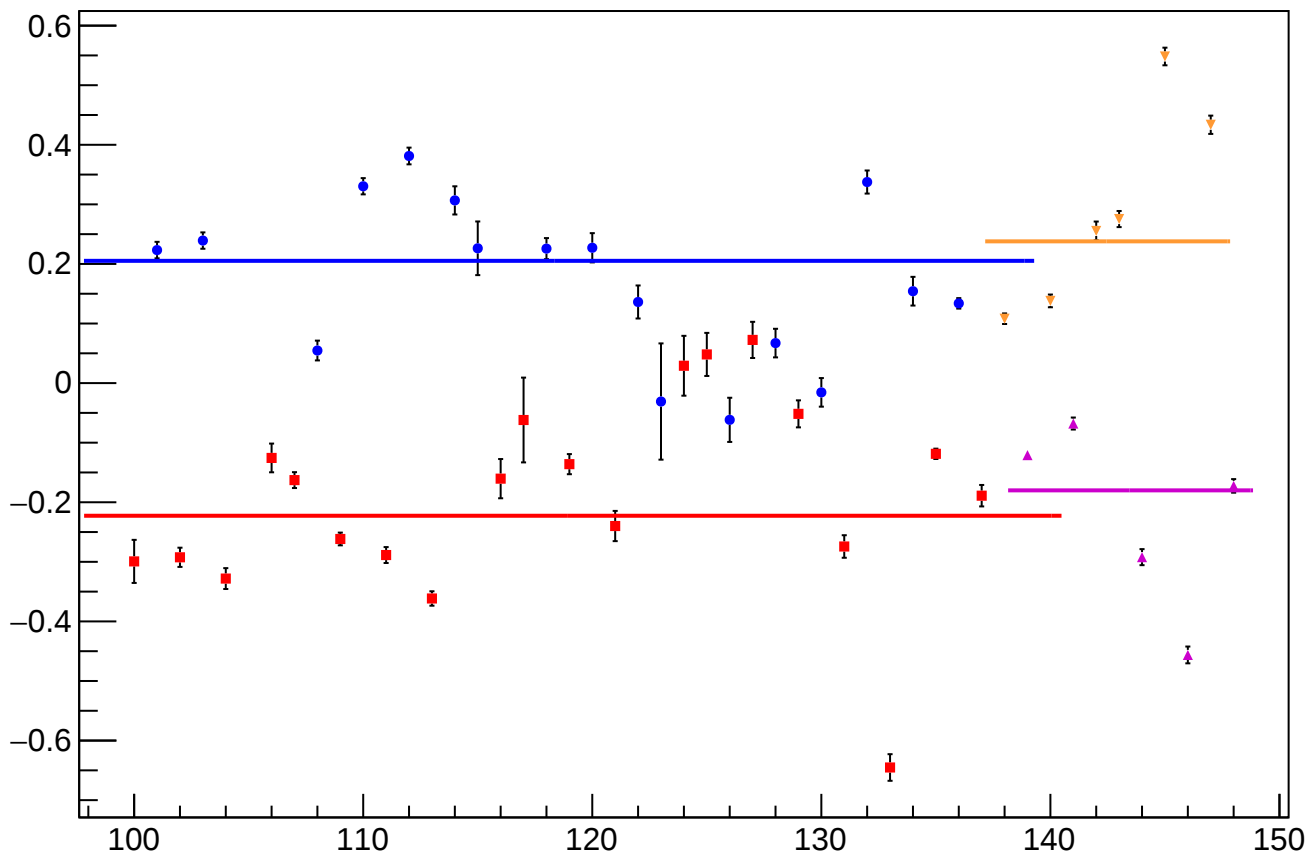
Left In: 0.956 ± 0.105 χ^2/NDF : 820.7/4

-1.477 ± 0.060 χ^2/NDF : 1612.4/22

0.083 ± 0.041 χ^2/NDF : 5158.4/47

1.469 ± 0.057 χ^2/NDF : 2286.4/24

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 $\pm$ 0.004 χ^2 /NDF: 650.7/16

Left Out: 0.238 $\pm$ 0.005 χ^2 /NDF: 913.0/5

Right Out: -0.223 $\pm$ 0.004 χ^2 /NDF: 1045.6/19

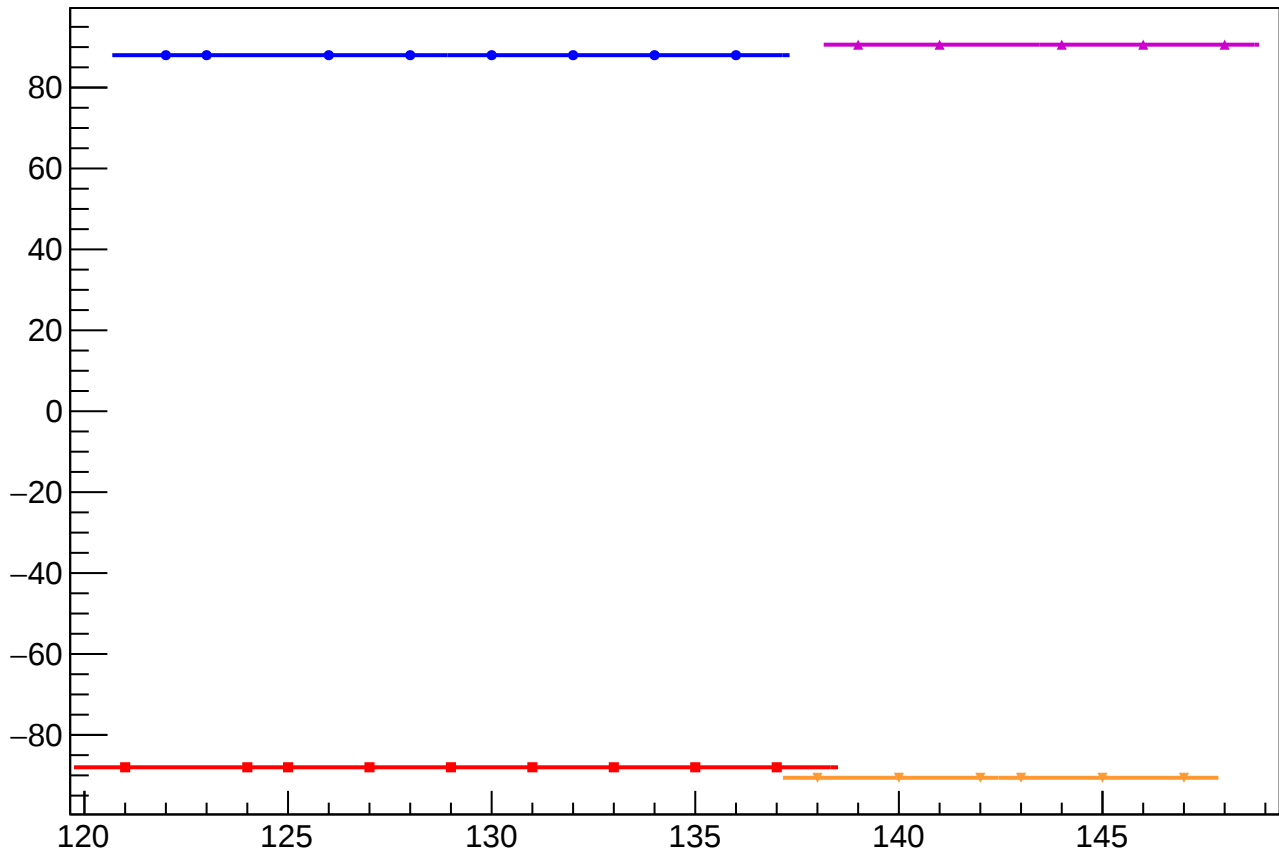
Left In: -0.180 $\pm$ 0.005 χ^2 /NDF: 627.4/4

0.219 $\pm$ 0.003 χ^2 /NDF: 1588.3/22

-0.010 $\pm$ 0.002 χ^2 /NDF: 12512.5/47

-0.206 $\pm$ 0.003 χ^2 /NDF: 1720.5/24

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 2817382.0/5

Right Out: -88.001 $\pm$ 0.000 χ^2 /NDF: 109456.0/8

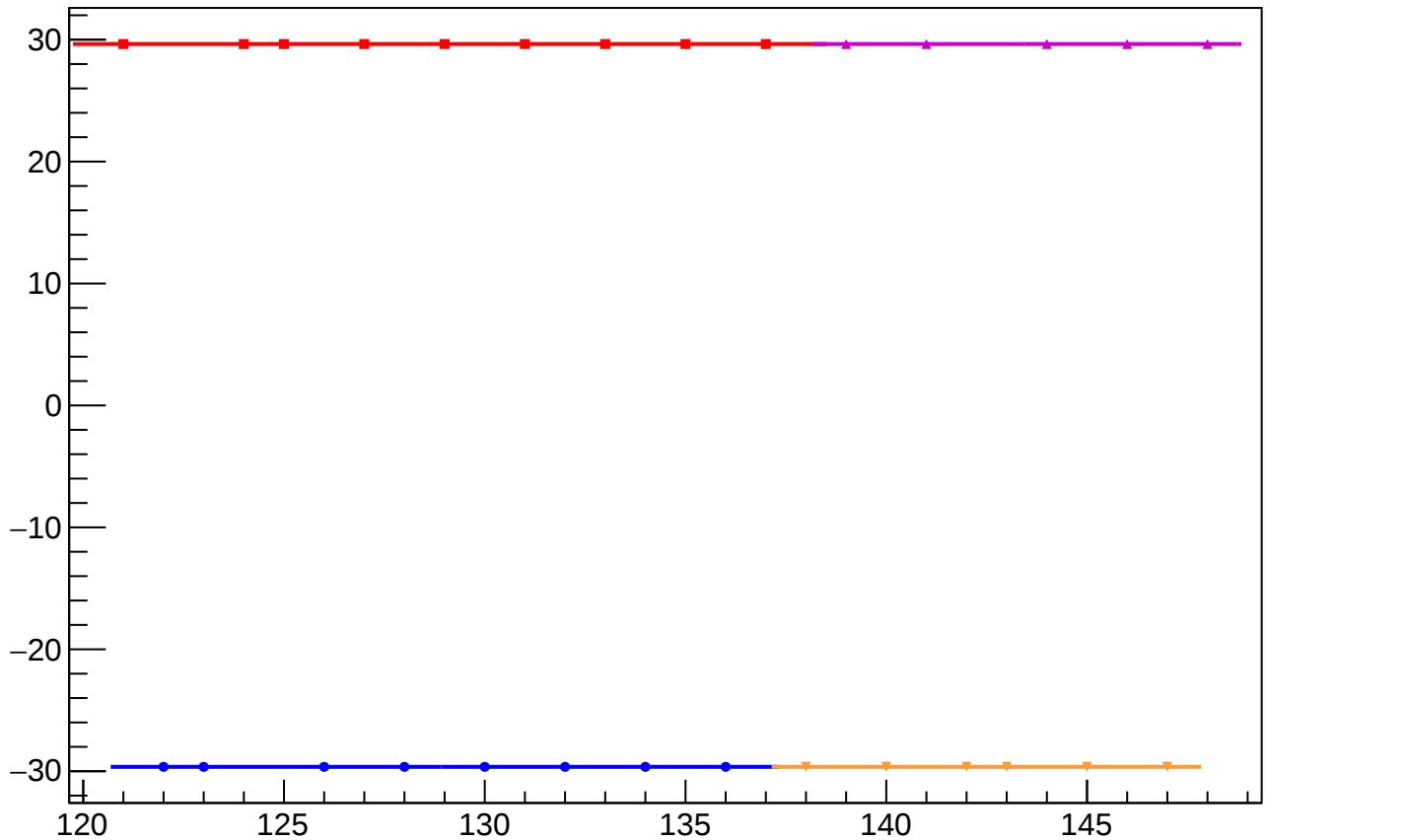
Left In: 90.599 $\pm$ 0.000 χ^2 /NDF: 274245.9/4

-11.683 $\pm$ 0.000 χ^2 /NDF: 60888012948837169

0.321 $\pm$ 0.000 χ^2 /NDF: 12071083574535

12.979 $\pm$ 0.000 χ^2 /NDF: 575314909346048169

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641 $\pm$ 0.000 χ^2 /NDF: 405045.4/7

Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF:160170.3/5

Right Out: 29.641 $\pm$ 0.000 χ^2 /NDF: 29358.2/8

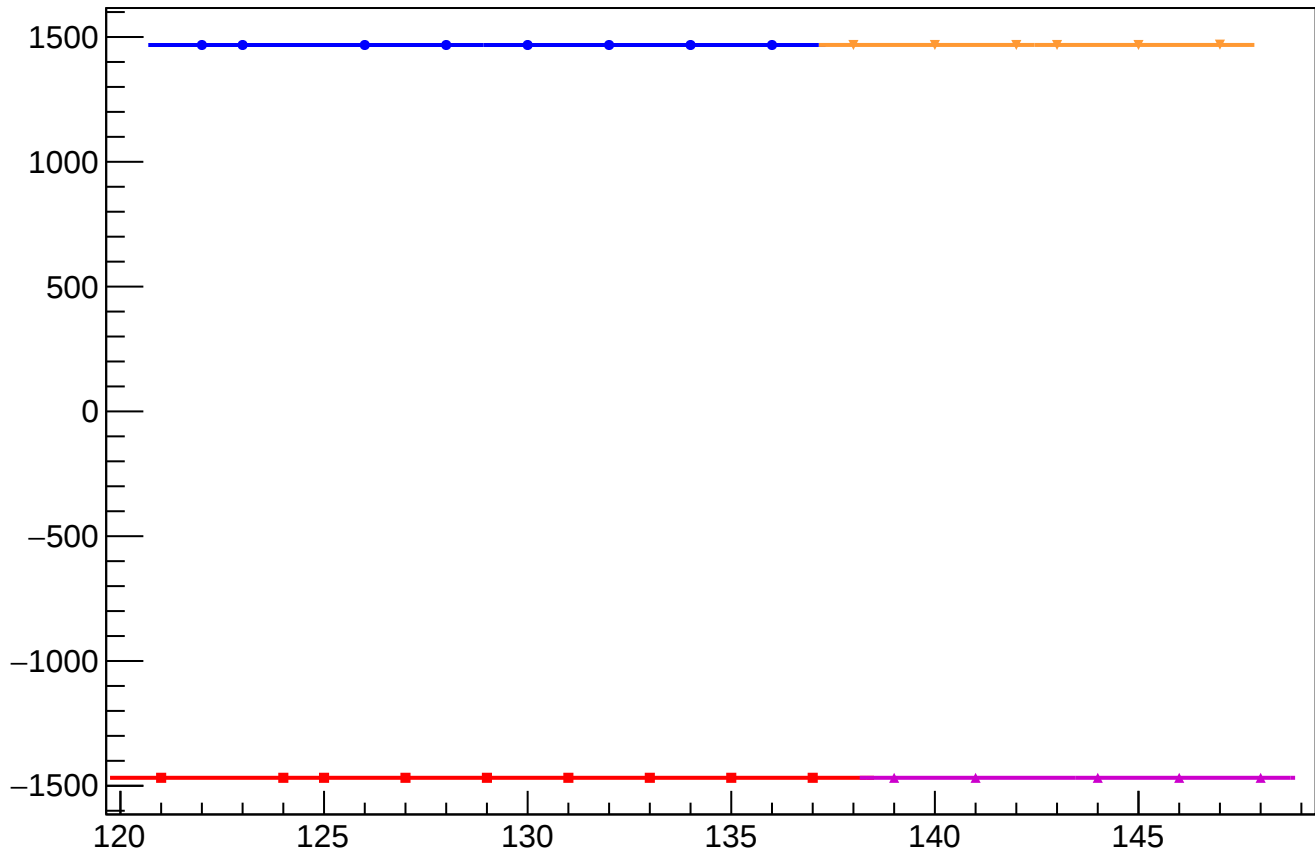
Left In: 29.641 $\pm$ 0.000 χ^2 /NDF:14552.9/4

-29.641 $\pm$ 0.000 χ^2 /NDF: 850720.2/13

-0.786 $\pm$ 0.000 χ^2 /NDF: 1323953321749

29.641 $\pm$ 0.000 χ^2 /NDF: 1008820.6/13

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.218+/-0.000 χ^2/NDF : 111742903373738728291750268370944.0/5

Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

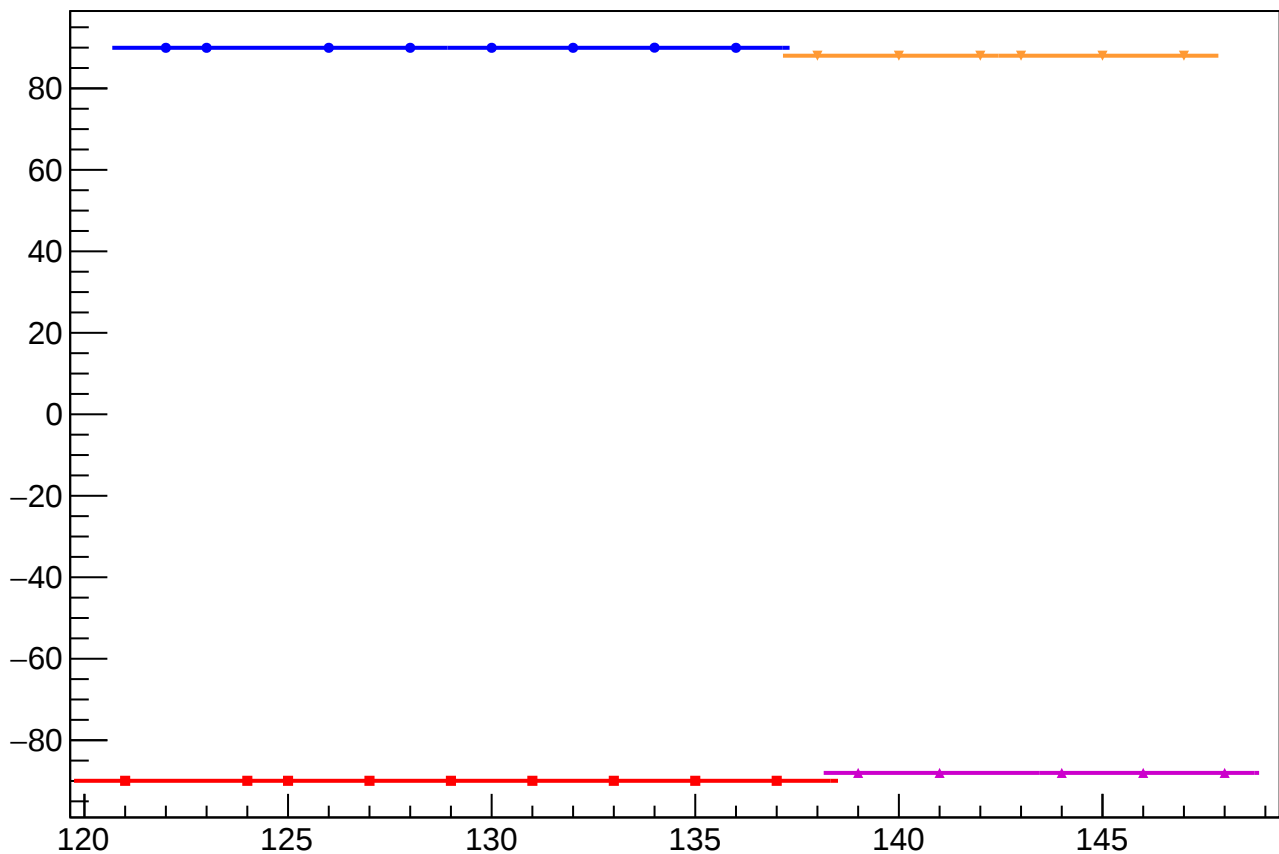
1468.113+/-0.000 χ^2/NDF : 1226220902610335

39.007+/-0.000 χ^2/NDF : 3247692988450

-1467.979+/-0.000 χ^2/NDF : 923081864.8/13

Left In: -1467.979+/-0.000 χ^2/NDF : 12511106.8/4

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 2545155.6/5

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

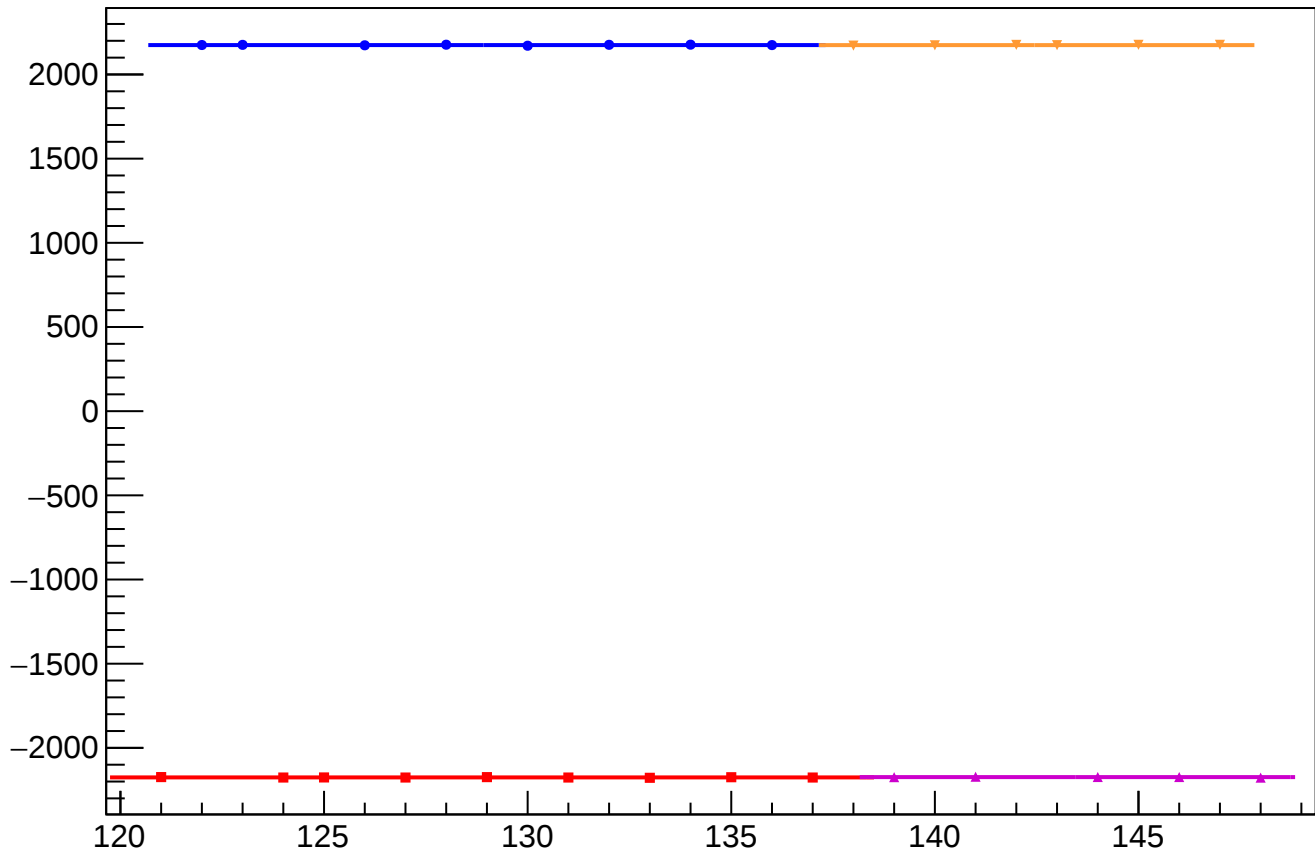
Left In: -88.021+/-0.000 χ^2/NDF : 273842.0/4

88.878+/-0.000 χ^2/NDF : 718893044839256108

2.365+/-0.000 χ^2/NDF : 11903204632322

-88.863+/-0.000 χ^2/NDF : 67782305468707520

HALLA_p_mean vs Slug, Sign Corrected



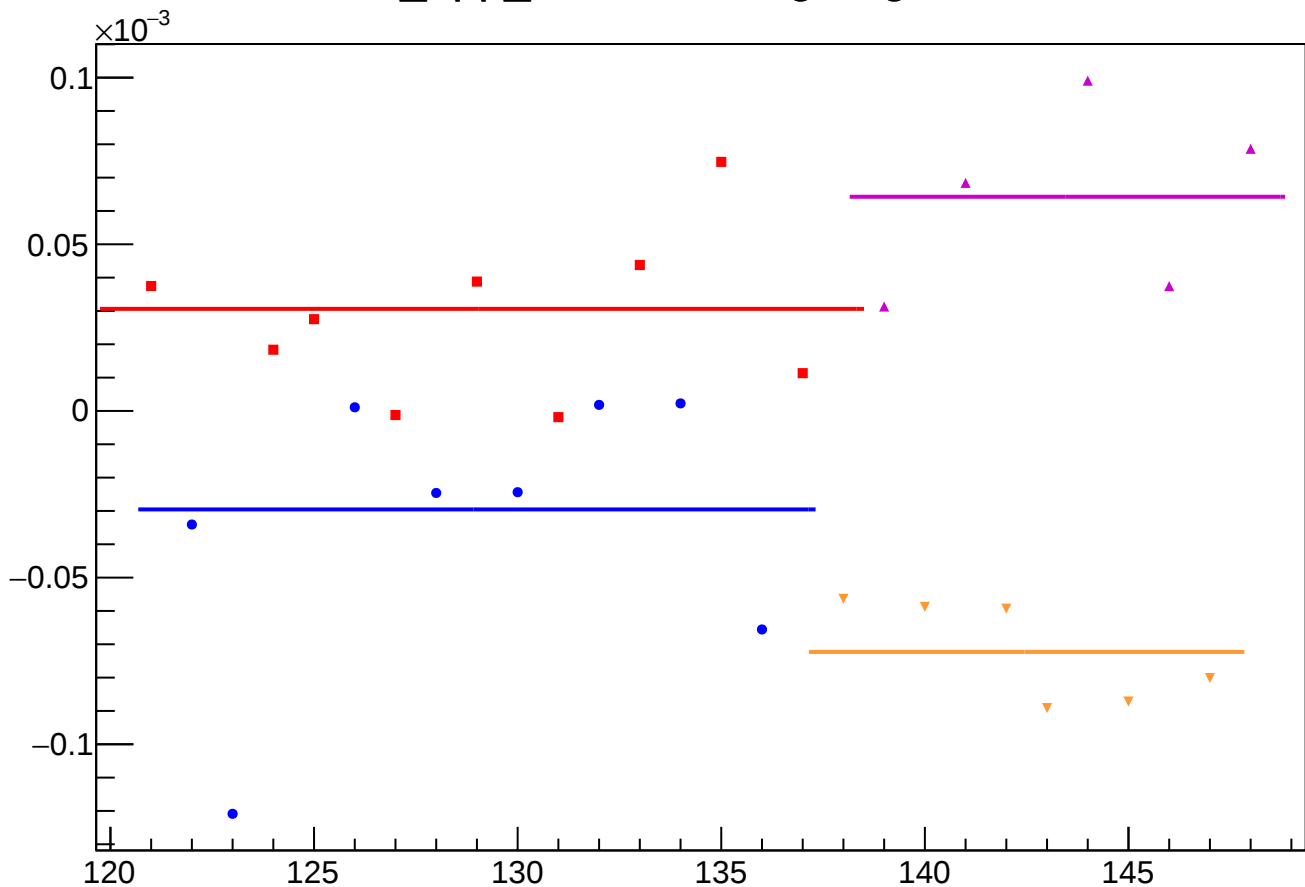
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.355 $\pm$ 0.000 χ^2 /NDF: 1361581448686461443835248005611520.0/5

Right Out: -2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

Left In: -2173.633 $\pm$ 0.000 χ^2 /NDF: 1345580127502439422142434127118336.0/4

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2 /NDF: 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2 /NDF: 84267816388097547960320.0/5

Right Out: 0.000+/-0.000 χ^2 /NDF: 196732771178766734983168.0/8

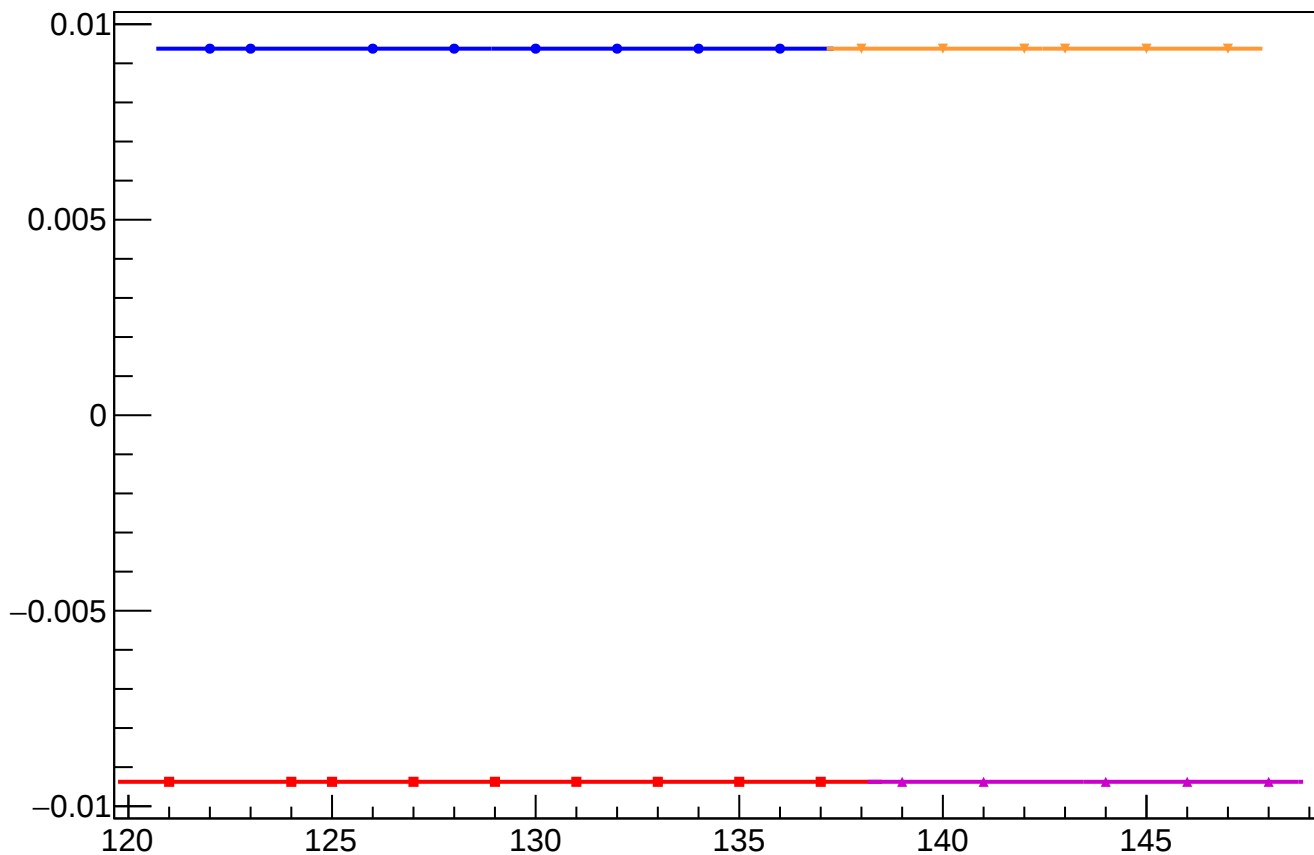
Left In: 0.000+/-0.000 χ^2 /NDF: 266728772397961784066048.0/4

-0.000+/-0.000 χ^2 /NDF: 683234164484058426

-0.000+/-0.000 χ^2 /NDF: 53512343933700

0.000+/-0.000 χ^2 /NDF: 6674270049043199641

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/7$

Left Out: 0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/5$

Right Out: -0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/8$

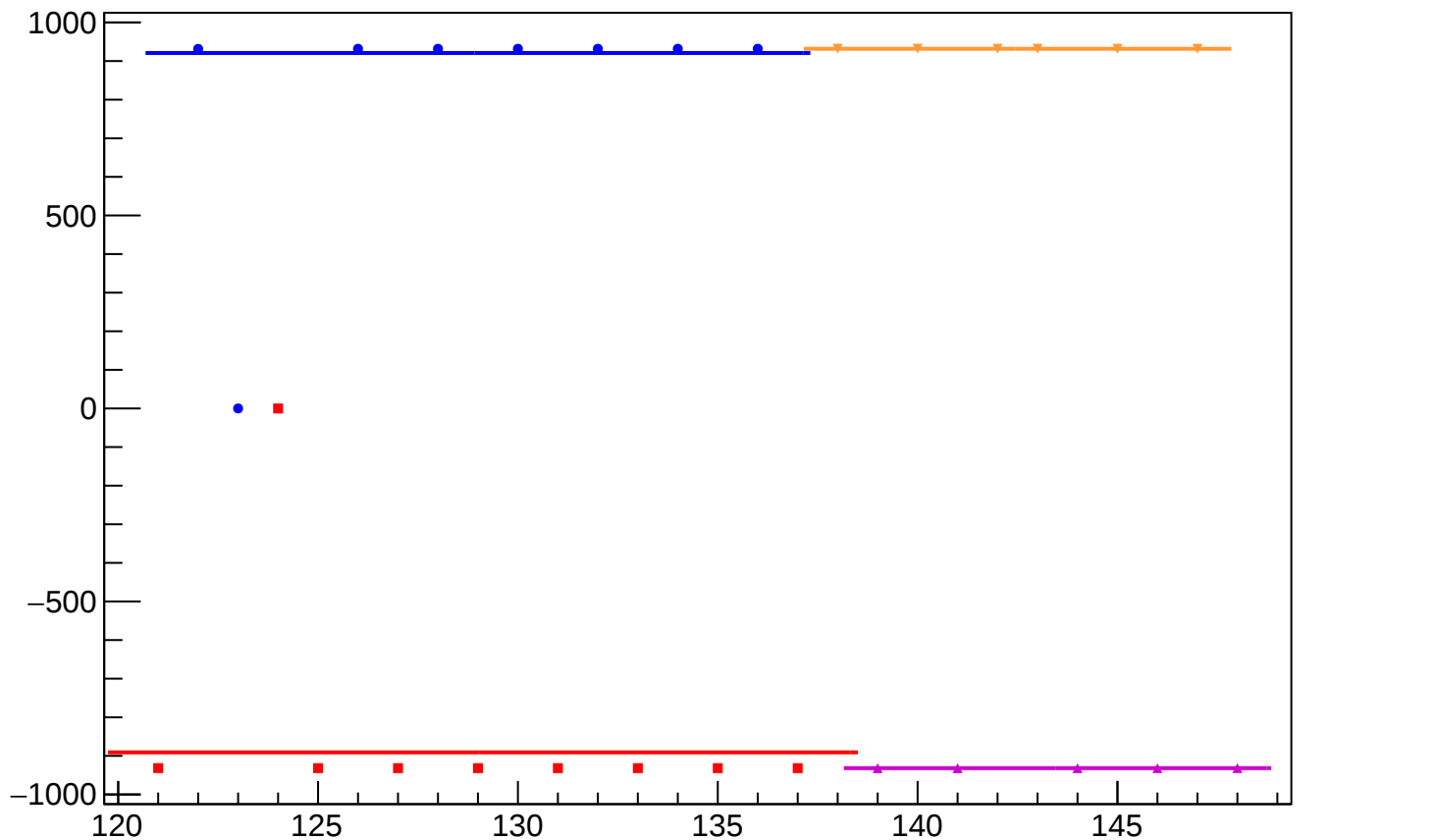
Left In: -0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/4$

0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.1/13$

0.000 $\pm$ 0.000 $\chi^2/\text{NDF}: 13244580984747$

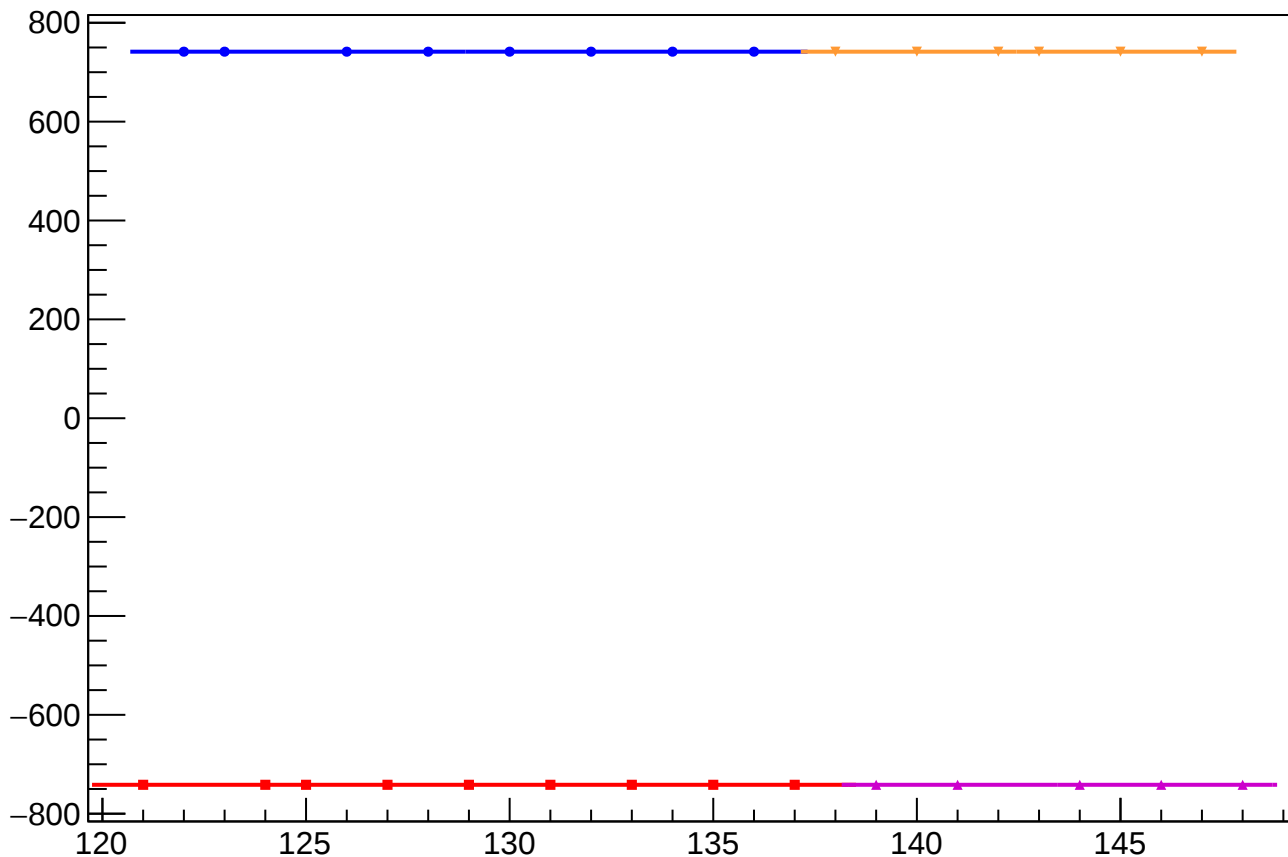
-0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.1/13$

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
 Left Out: 931.838+/-0.000 χ^2/NDF : 1420245006121275037545324871680.0/5
 Right Out: -890.923+/-0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
 Left In: -931.815+/-0.000 χ^2/NDF : 1874360247839033112101419745280.0/4

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



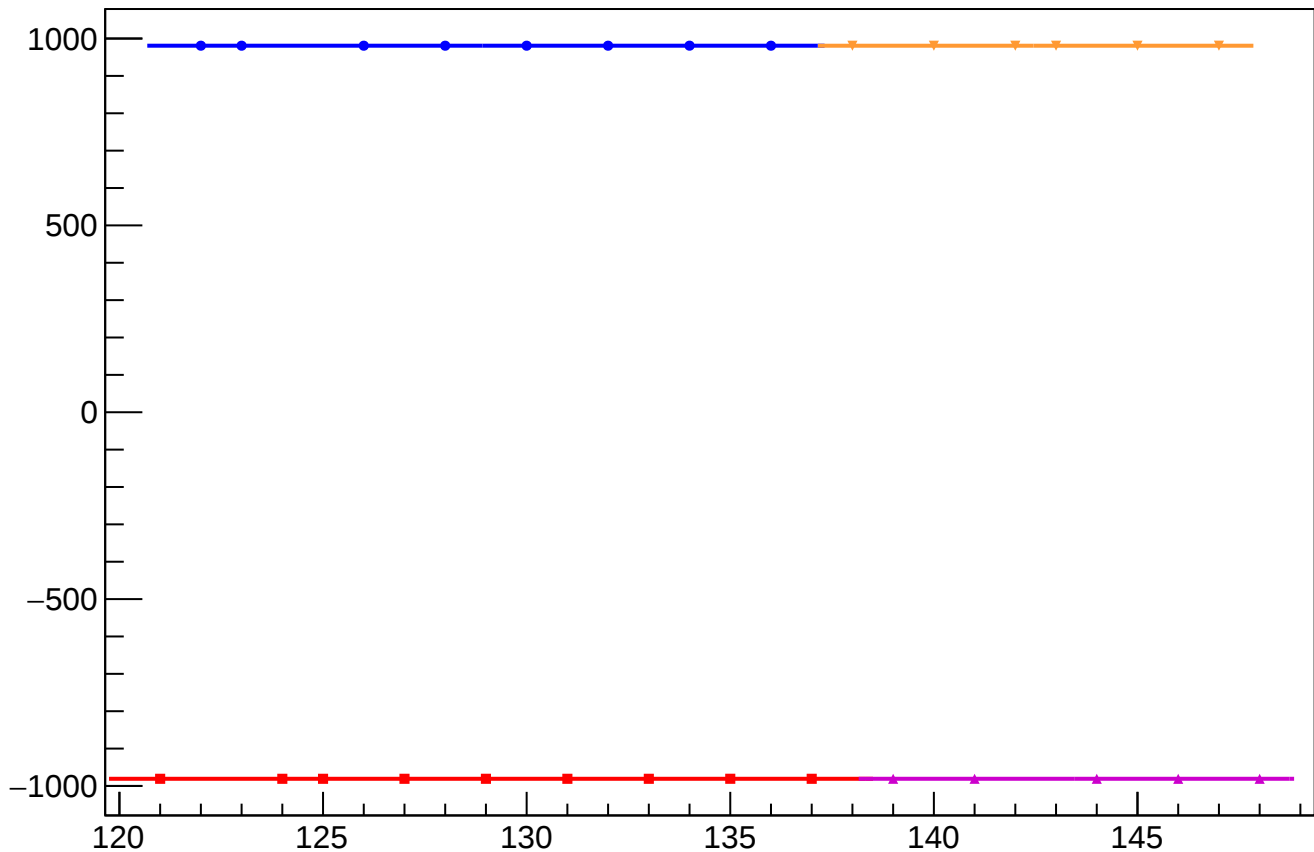
Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.526+/-0.000 χ^2/NDF : 11207499391914985157866553344.0/5

Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

Left In: -741.528+/-0.000 χ^2/NDF : 6416268197237722145143914496.0/4

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



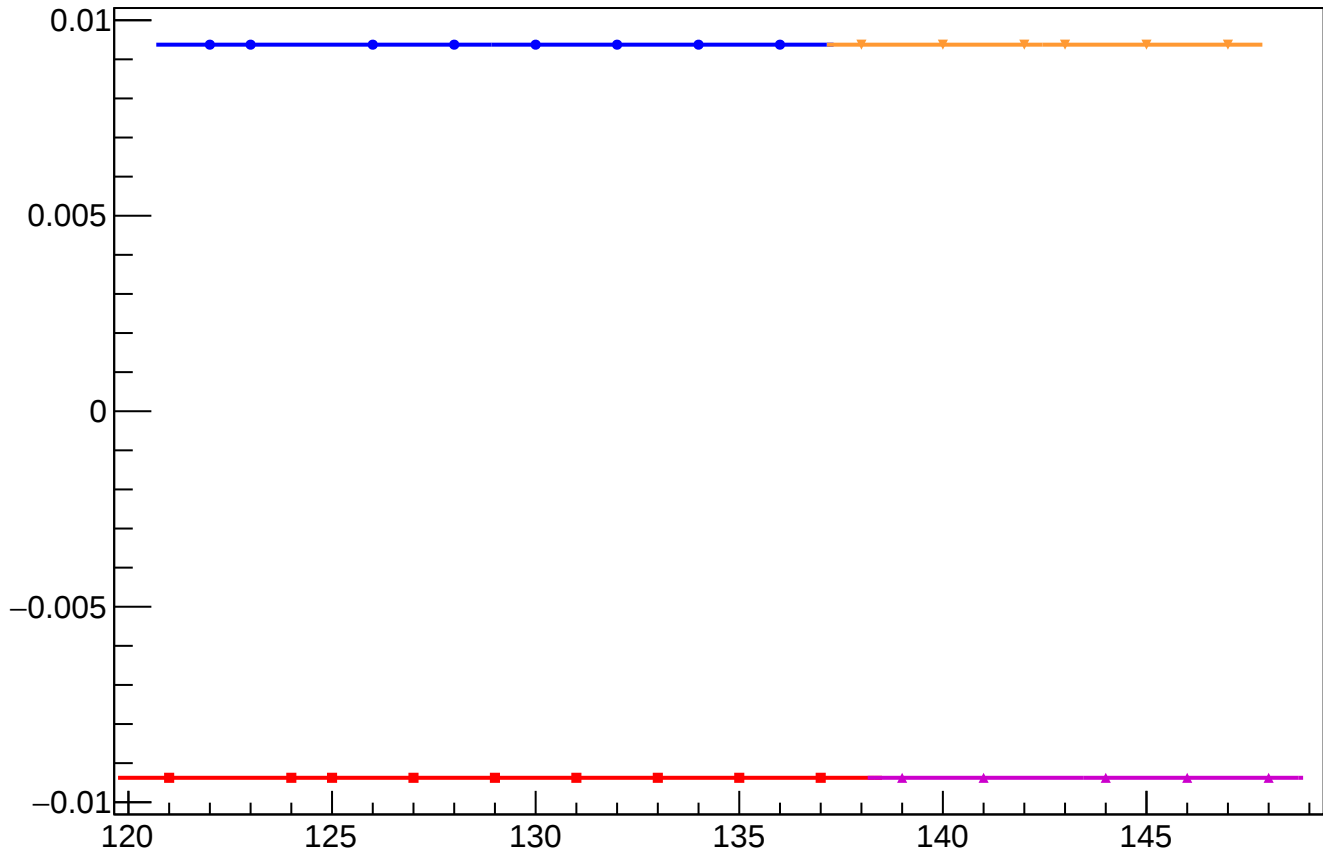
Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.777+/-0.000 χ^2/NDF : 362016123490329863476341637120.0/5

Right Out: -980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: -980.796+/-0.000 χ^2/NDF : 688435529791217590656823197696.0/4

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

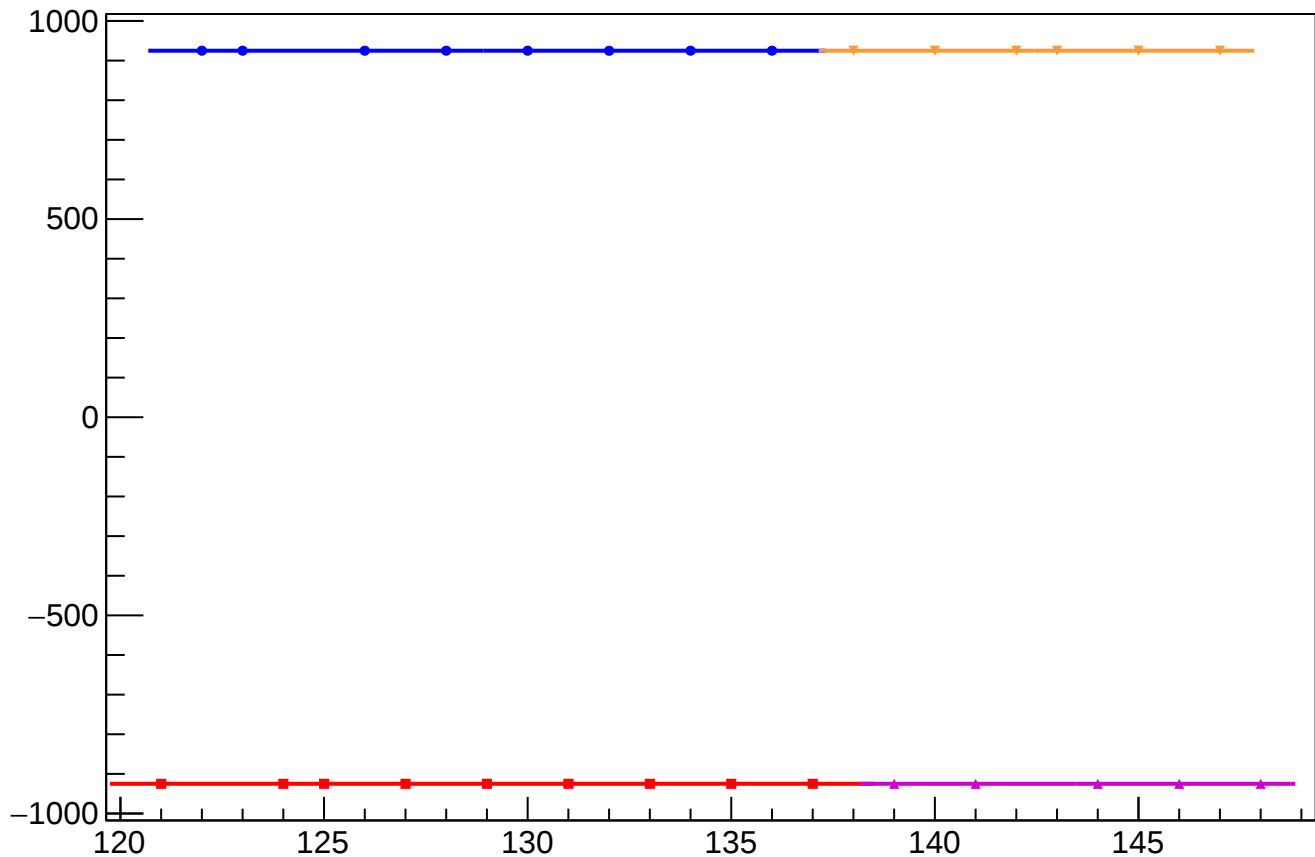
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/4

0.009+/-0.000 χ^2/NDF : 0.1/13

0.000+/-0.000 χ^2/NDF : 13244580984747

-0.009+/-0.000 χ^2/NDF : 0.1/13

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



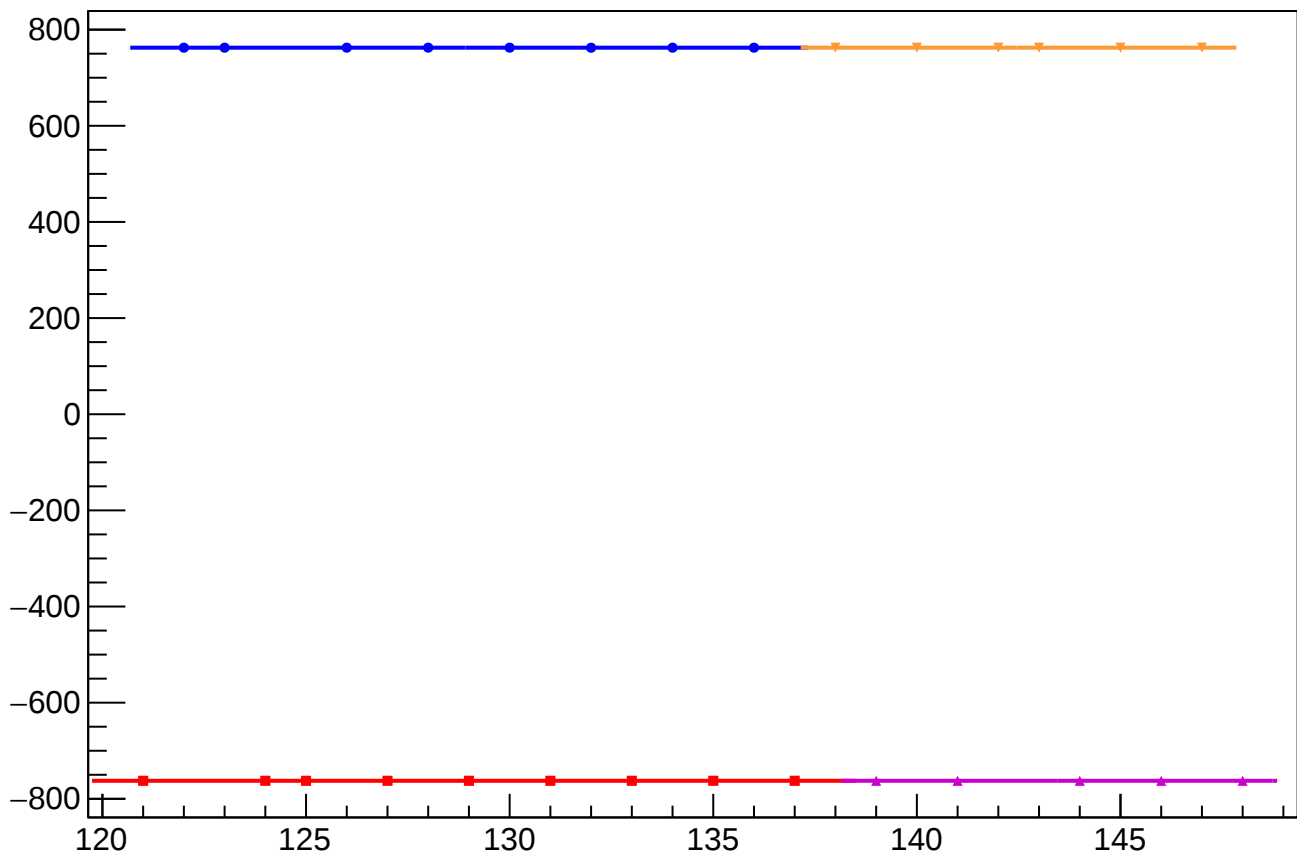
Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.988+/-0.000 χ^2/NDF : 137660743730164404683618123776.0/5

Right Out: -924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

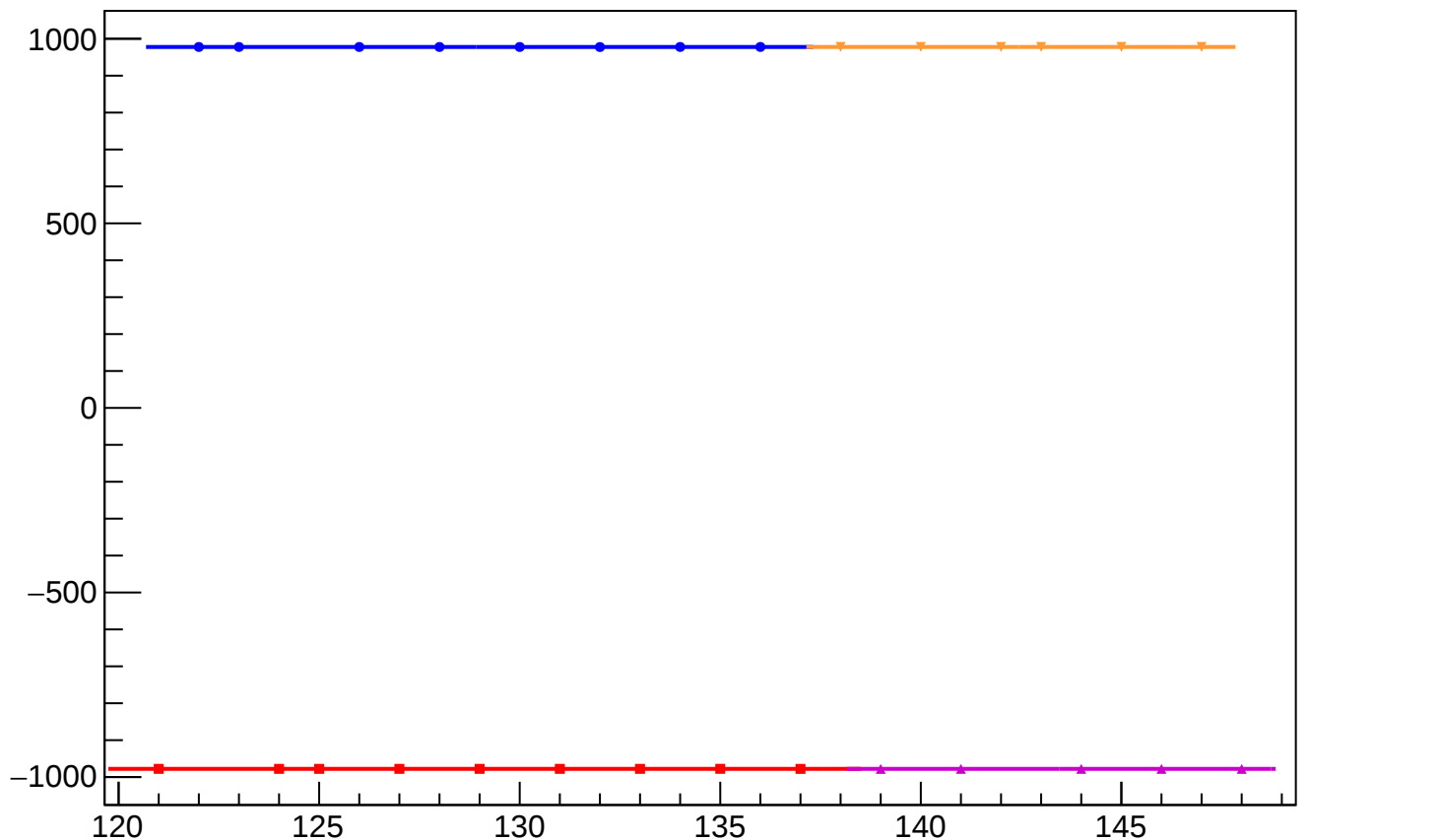
Left In: -924.992+/-0.000 χ^2/NDF : 158885081469066171006891065344.0/4

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



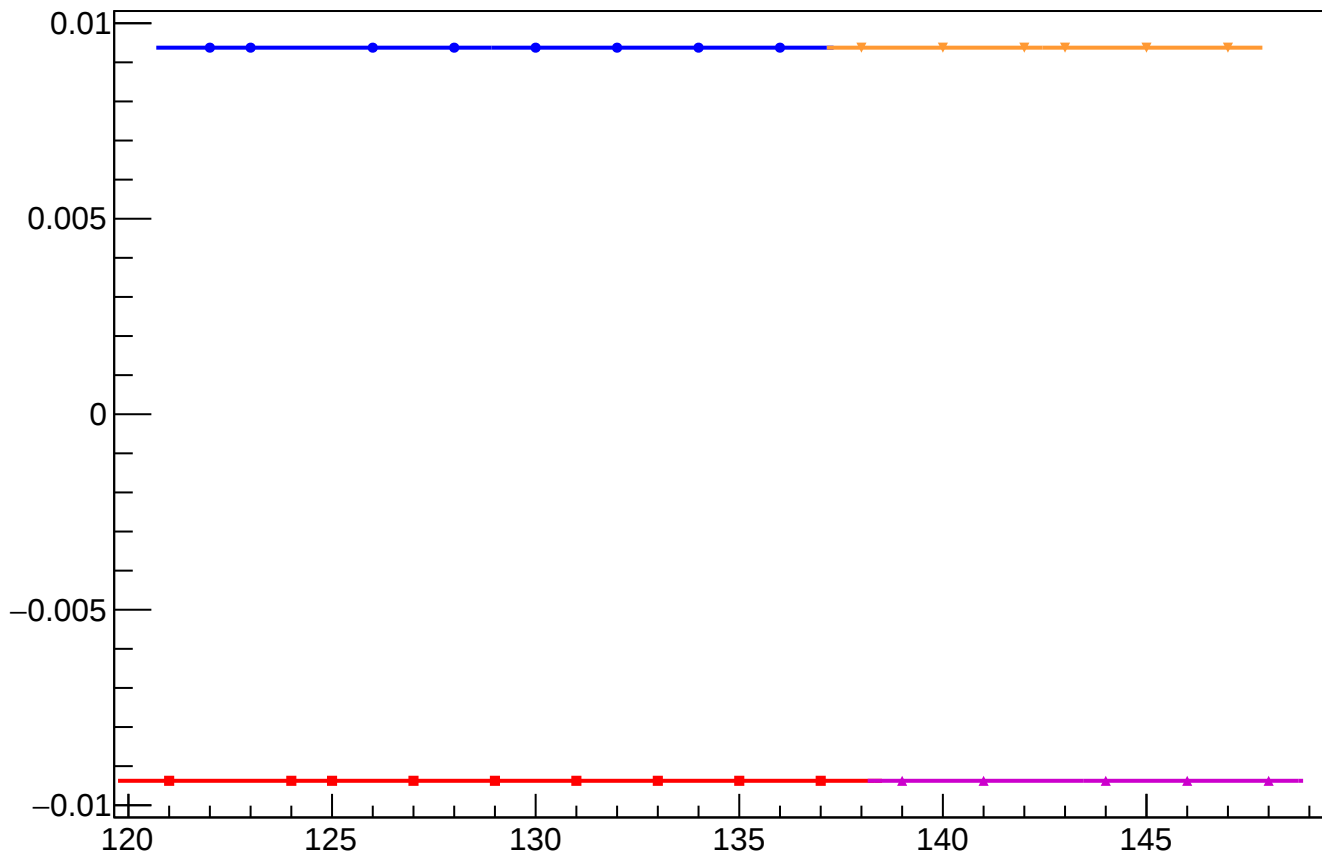
Right In: 762.484+/-0.000	χ^2/NDF : 784430761251084401798891438080.0/7	762.489+/-0.000	χ^2/NDF : 83466905467511830
Left Out: 762.492+/-0.000	χ^2/NDF : 35190623996235251296378028032.0/5	20.220+/-0.000	χ^2/NDF : 8761288919745
Right Out: -762.501+/-0.000	χ^2/NDF : 469794702848036819563446272.0/8	-762.499+/-0.000	χ^2/NDF : 4476140576511977
Left In: -762.496+/-0.000	χ^2/NDF : 40283845286416777535824068608.0/4		

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000	χ^2/NDF : 1738104571804792841781326643200.0/7	977.757+/-0.000	χ^2/NDF : 23850791651223172
Left Out: 977.770+/-0.000	χ^2/NDF : 480980829390859836431316025344.0/5	25.939+/-0.000	χ^2/NDF : 1440636535923
Right Out: -977.737+/-0.000	χ^2/NDF : 772313054358211830610902646784.0/8	-977.750+/-0.000	χ^2/NDF : 1454736283778333
Left In: -977.759+/-0.000	χ^2/NDF : 590926825090797122022860128256.0/4		

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

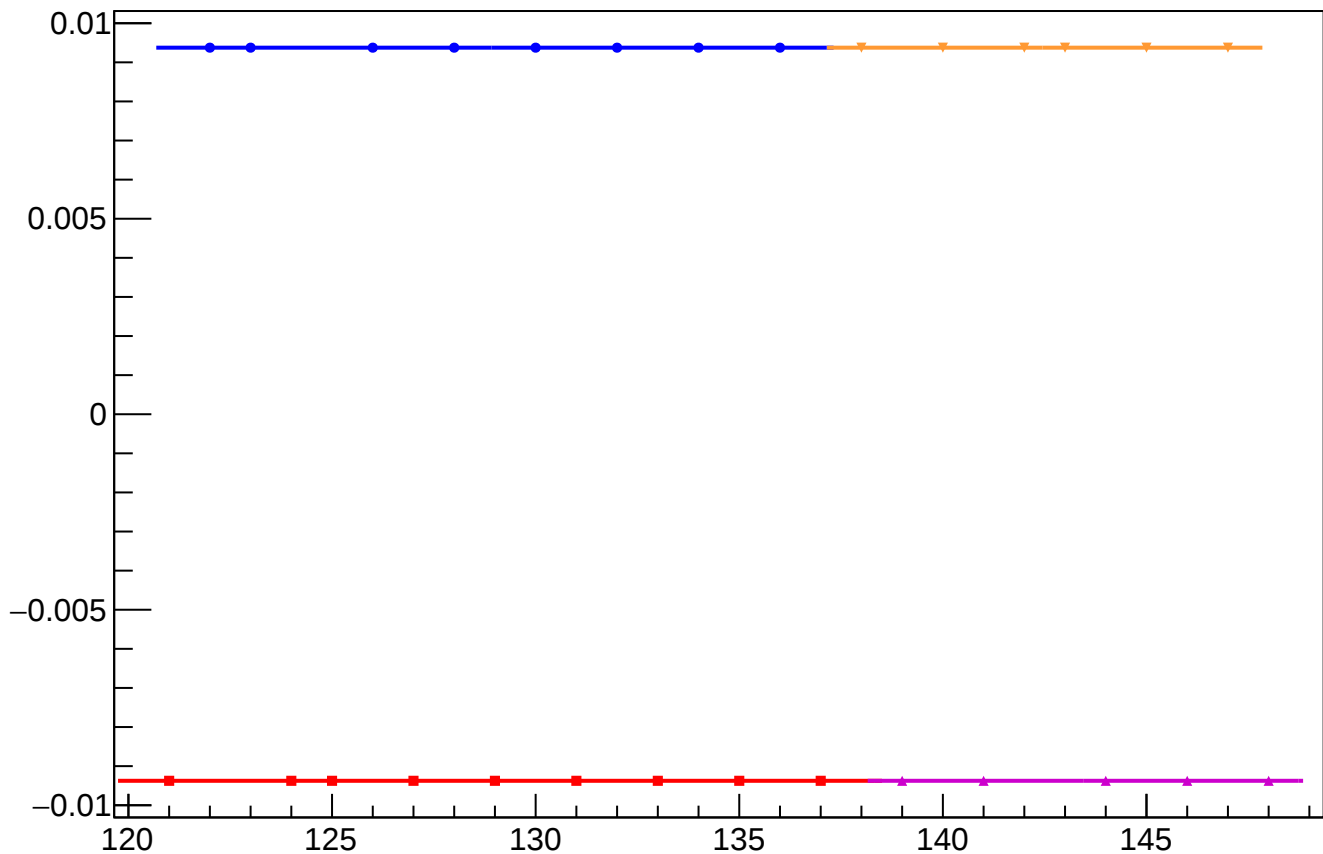
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/4

0.009+/-0.000 χ^2/NDF : 0.1/13

0.000+/-0.000 χ^2/NDF : 13244580984747

-0.009+/-0.000 χ^2/NDF : 0.1/13

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

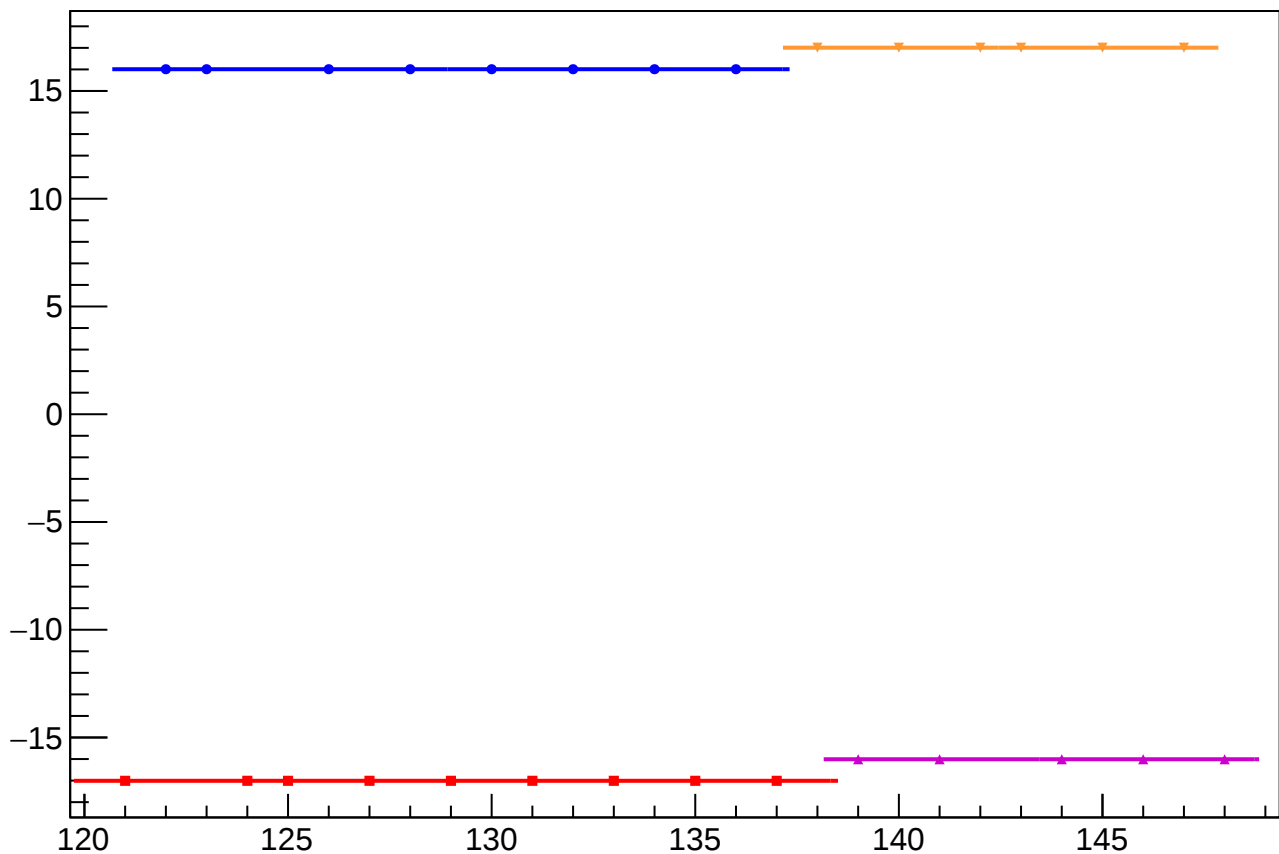
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/4

0.009+/-0.000 χ^2/NDF : 0.1/13

0.000+/-0.000 χ^2/NDF : 13244580984747

-0.009+/-0.000 χ^2/NDF : 0.1/13

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



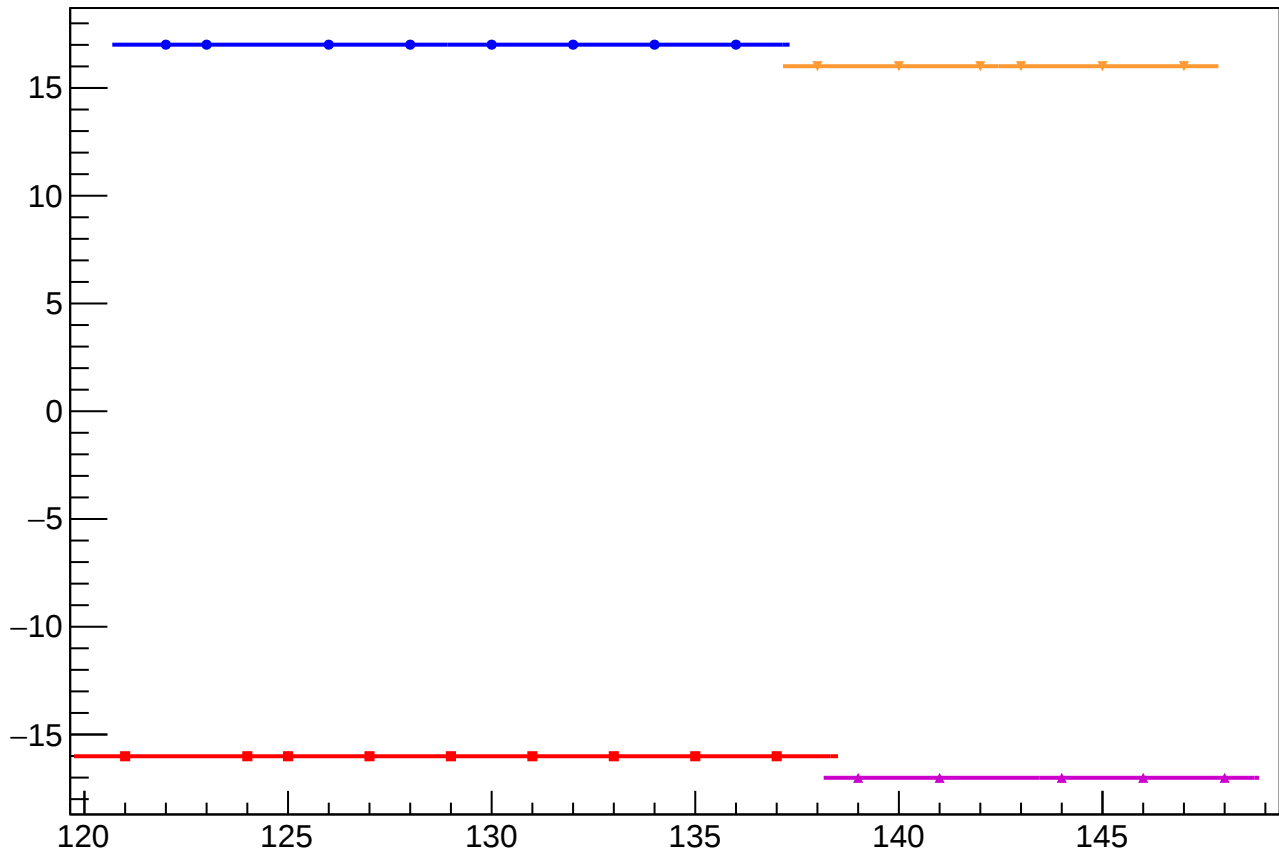
Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 1057236091048120589221888.0/5

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009+/-0.000 χ^2/NDF : 15701.5/4

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 25950.4/5

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

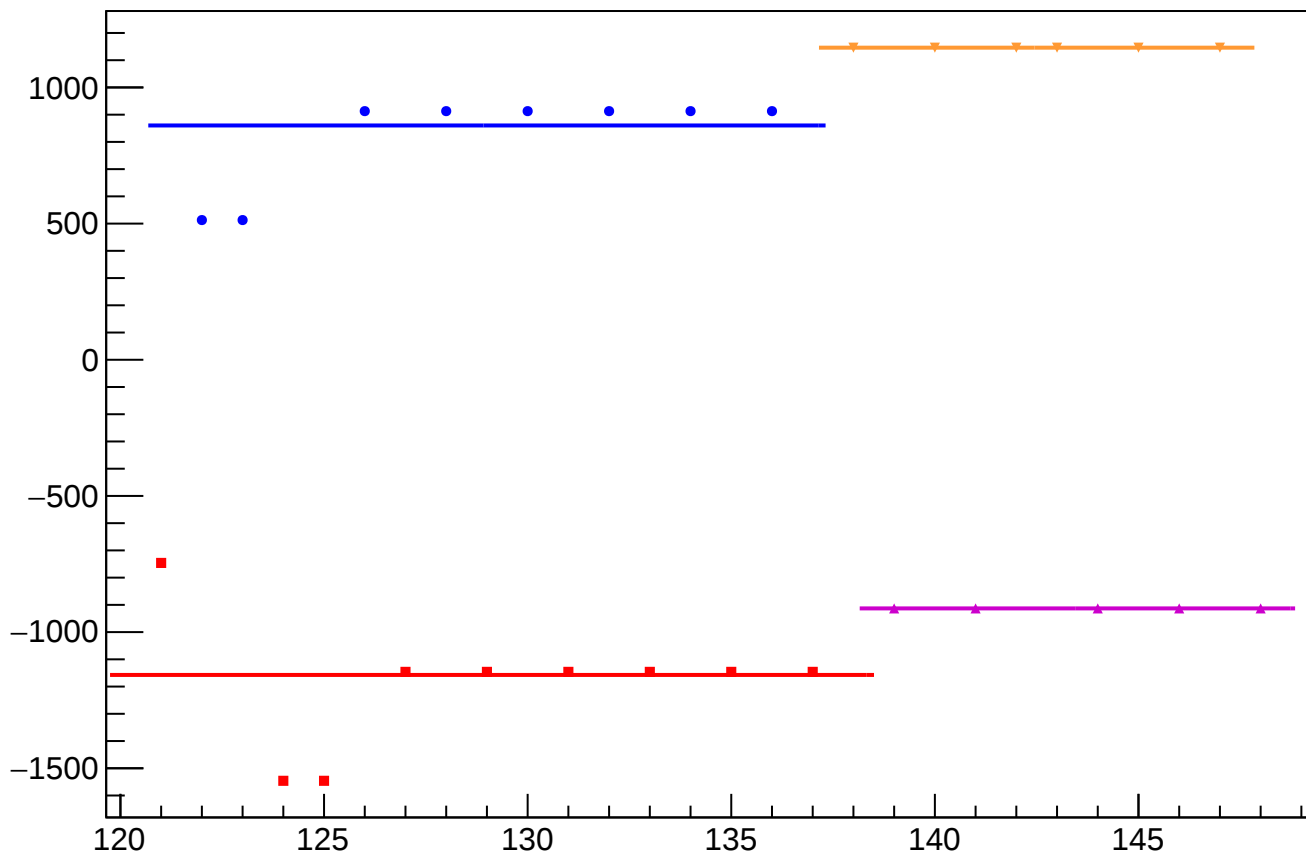
Left In: -17.009+/-0.000 χ^2/NDF : 5843.9/4

16.456+/-0.000 χ^2/NDF : 189305483028715894

0.293+/-0.000 χ^2/NDF : 40931666925927

-16.575+/-0.000 χ^2/NDF : 18036103542232667

RTPAPOSUCNT_mean vs Slug, Sign Corrected



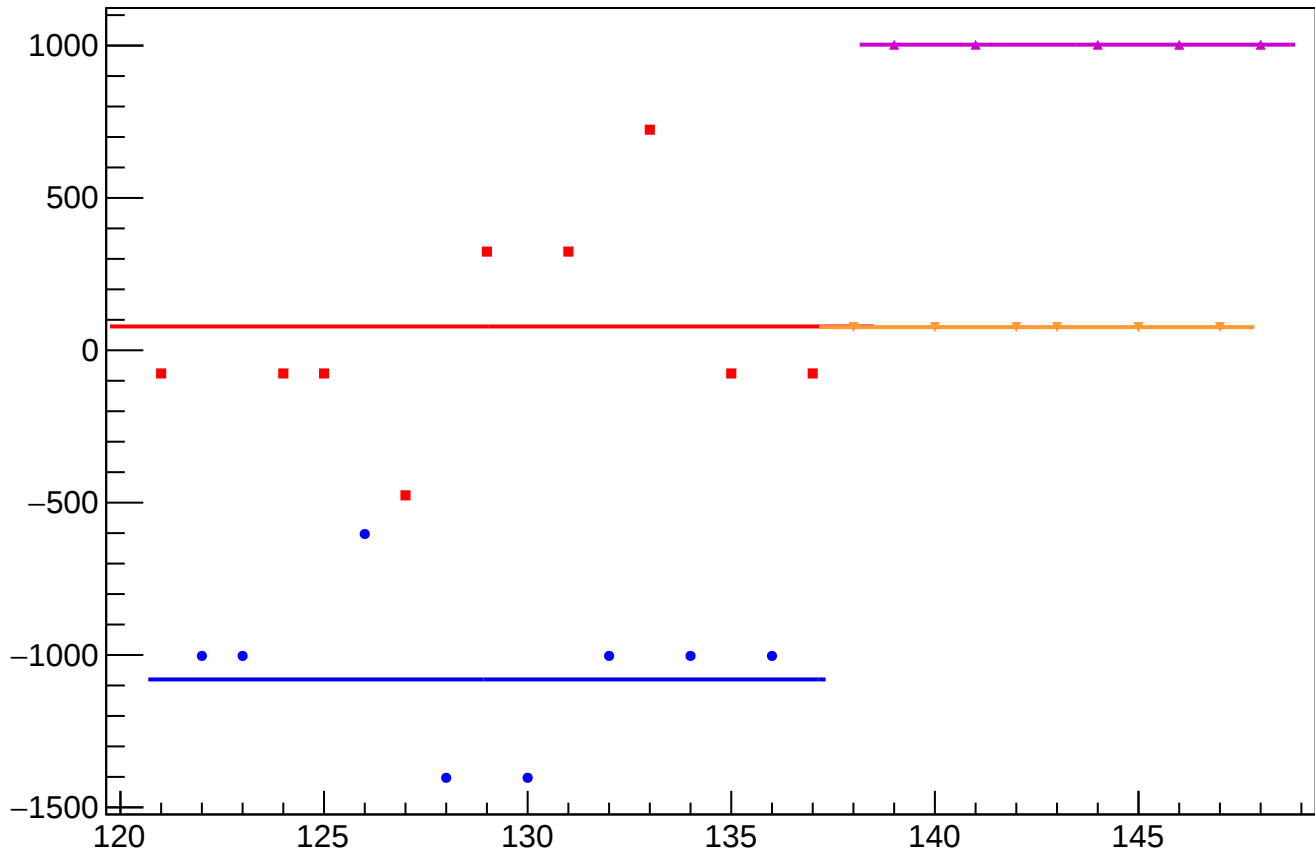
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 1551425447580748425432399872.0/5

Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: -912.994+/-0.000 χ^2/NDF : 8744230536257681065573875712.0/4

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182 $\pm$ 0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7
 Left Out: 76.011 $\pm$ 0.000 χ^2/NDF : 2546716917690925150690607104.0/5
 Right Out: 78.224 $\pm$ 0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: 1002.989 $\pm$ 0.000 χ^2/NDF : 668348491637397899523915776.0/4