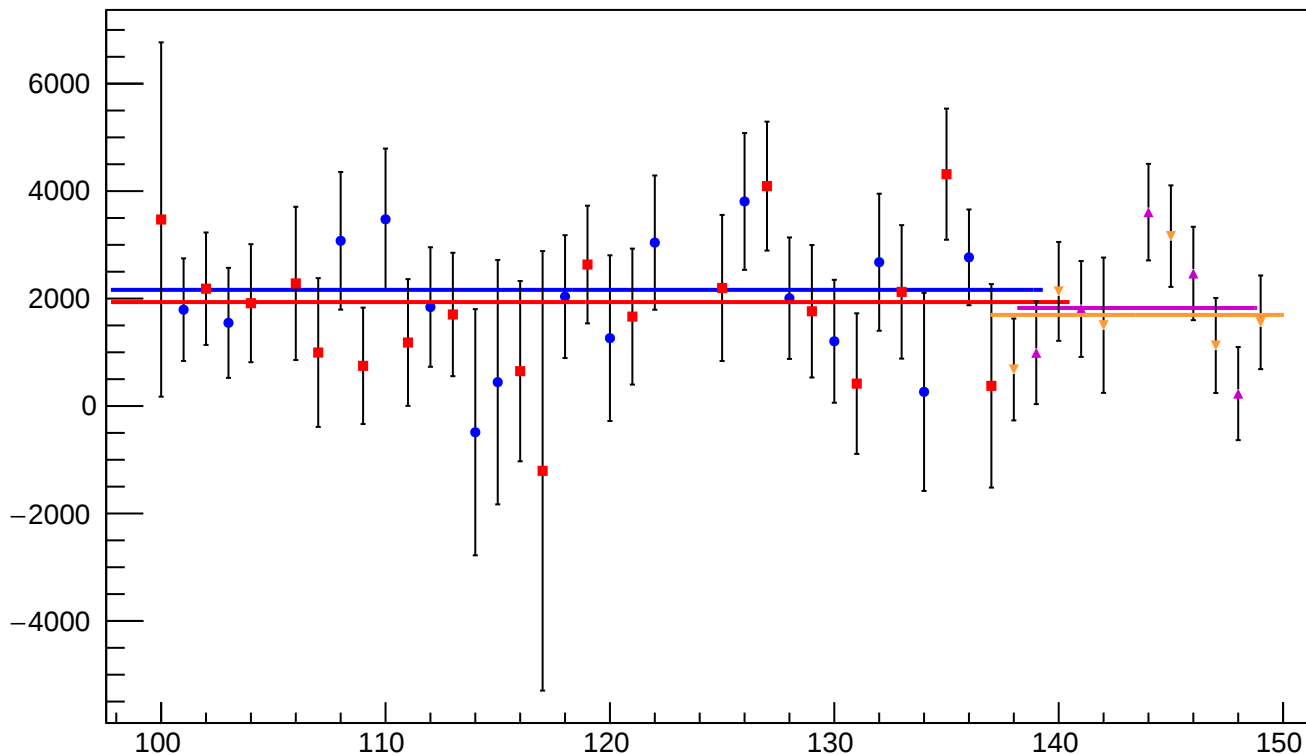


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1695.960+/-388.023

χ^2/NDF : 4.2/5

Right Out: 1935.183+/-299.773

χ^2/NDF : 13.2/18

Left In: 1825.107+/-400.177

χ^2/NDF : 8.6/4

1982.547+/-240.908

χ^2/NDF : 14.1/21

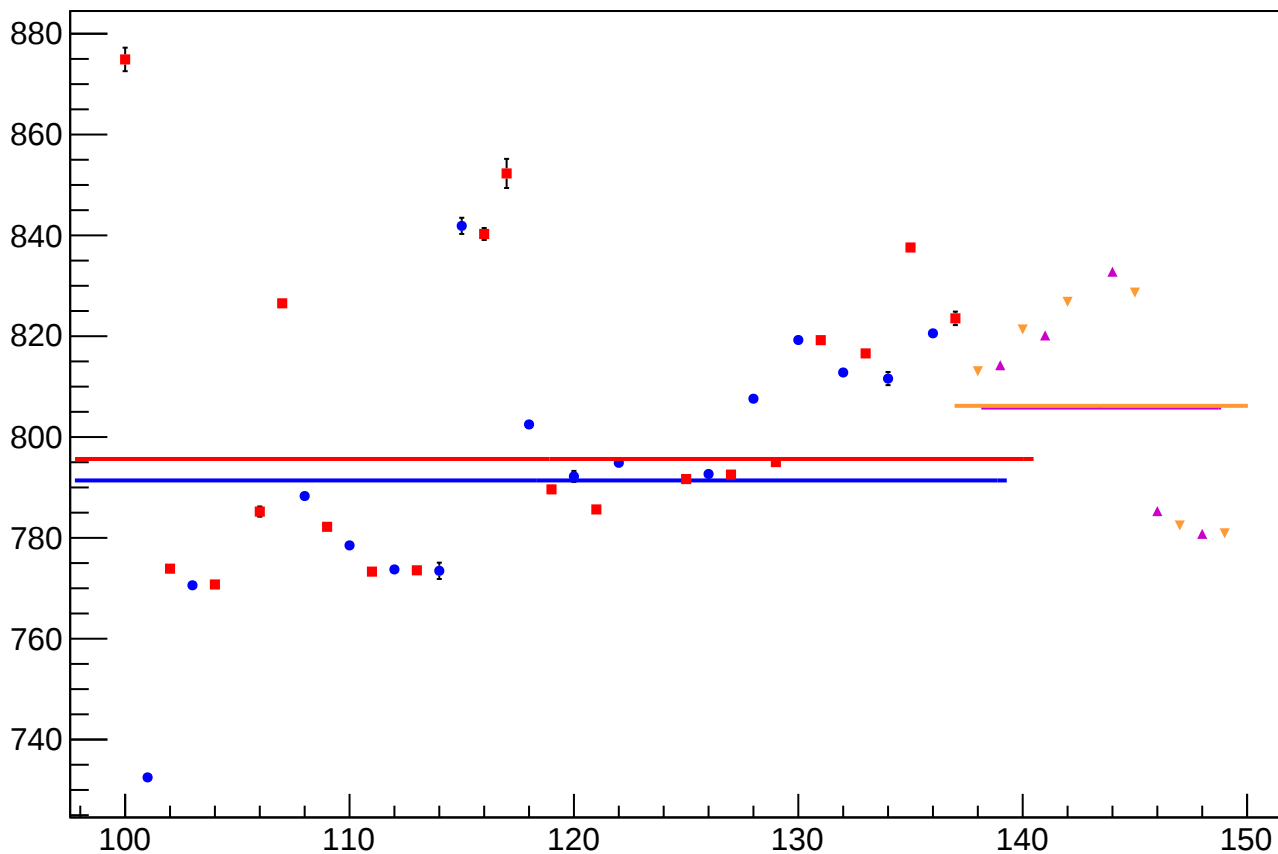
1938.904+/-169.998

χ^2/NDF : 36.0/45

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: 806.193+/-0.274 χ^2/NDF : 5440.6/5

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

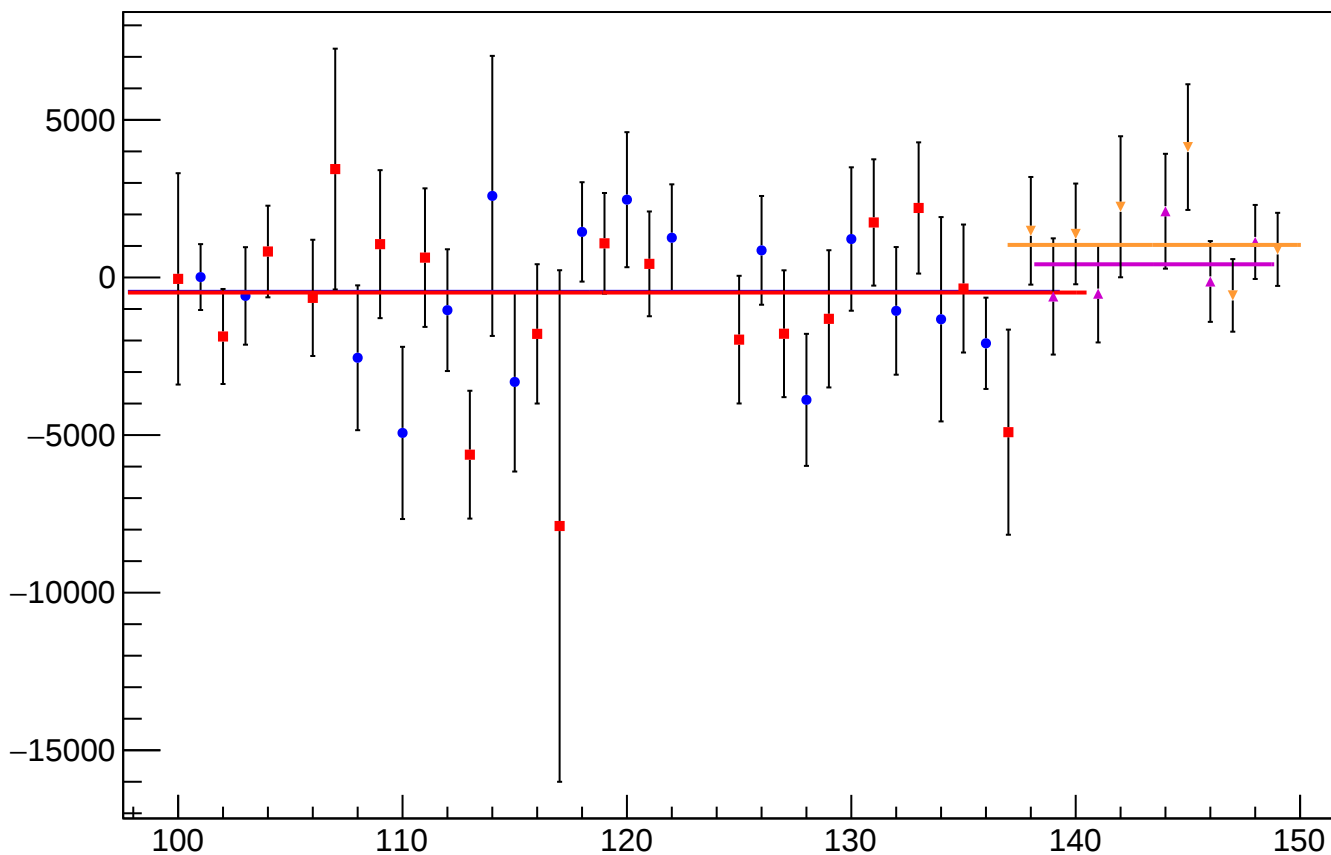
Left In: 805.843+/-0.283 χ^2/NDF : 5254.2/4

797.096+/-0.170 χ^2/NDF : 22237.5/21

798.210+/-0.120 χ^2/NDF : 40353.2/45

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: 1033.336+/-610.475 χ^2/NDF : 4.8/5

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

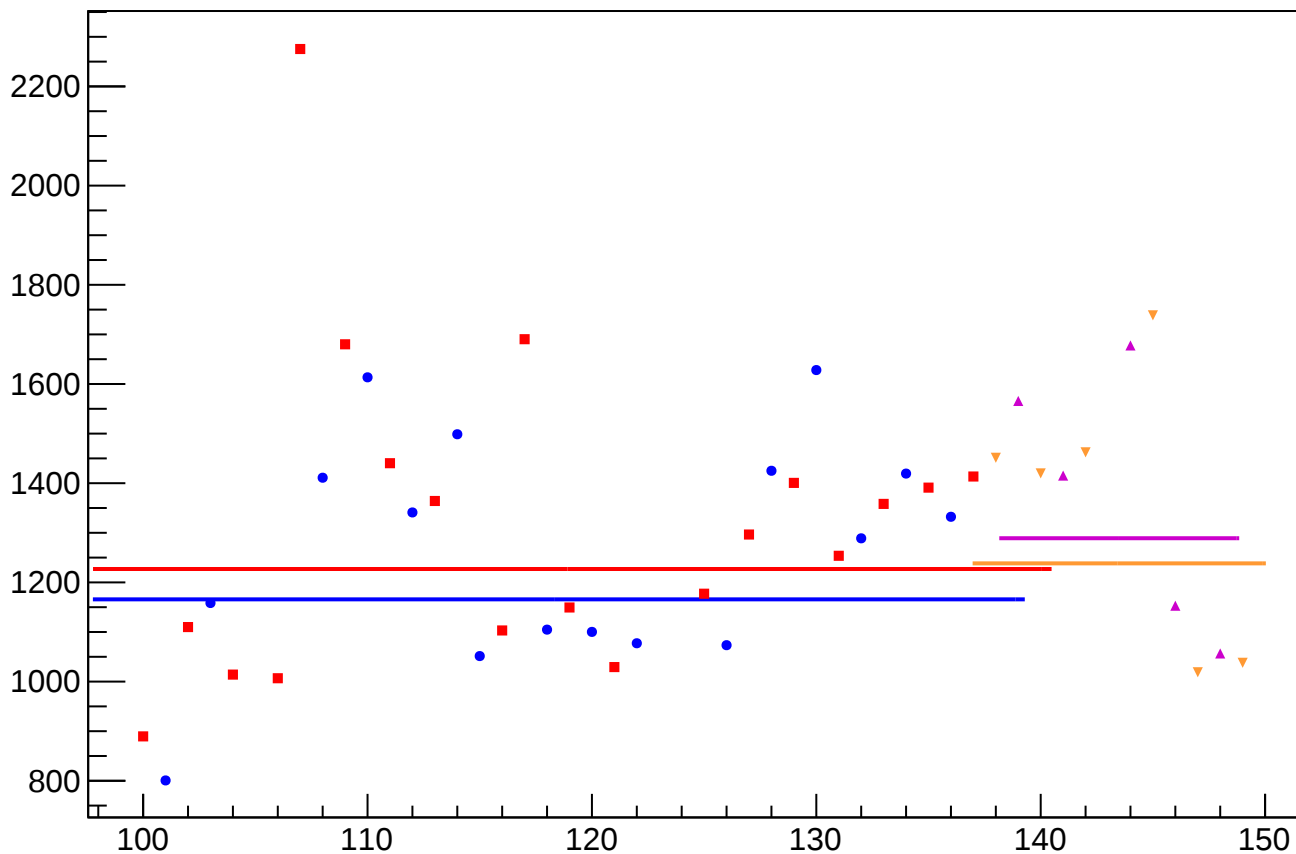
Left In: 418.355+/-652.808 χ^2/NDF : 2.1/4

89.894+/-369.525 χ^2/NDF : 23.4/21

-35.661+/-265.753 χ^2/NDF : 45.1/45

-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: 1238.362 $\pm$ 0.432 χ^2/NDF : 335127.6/5

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

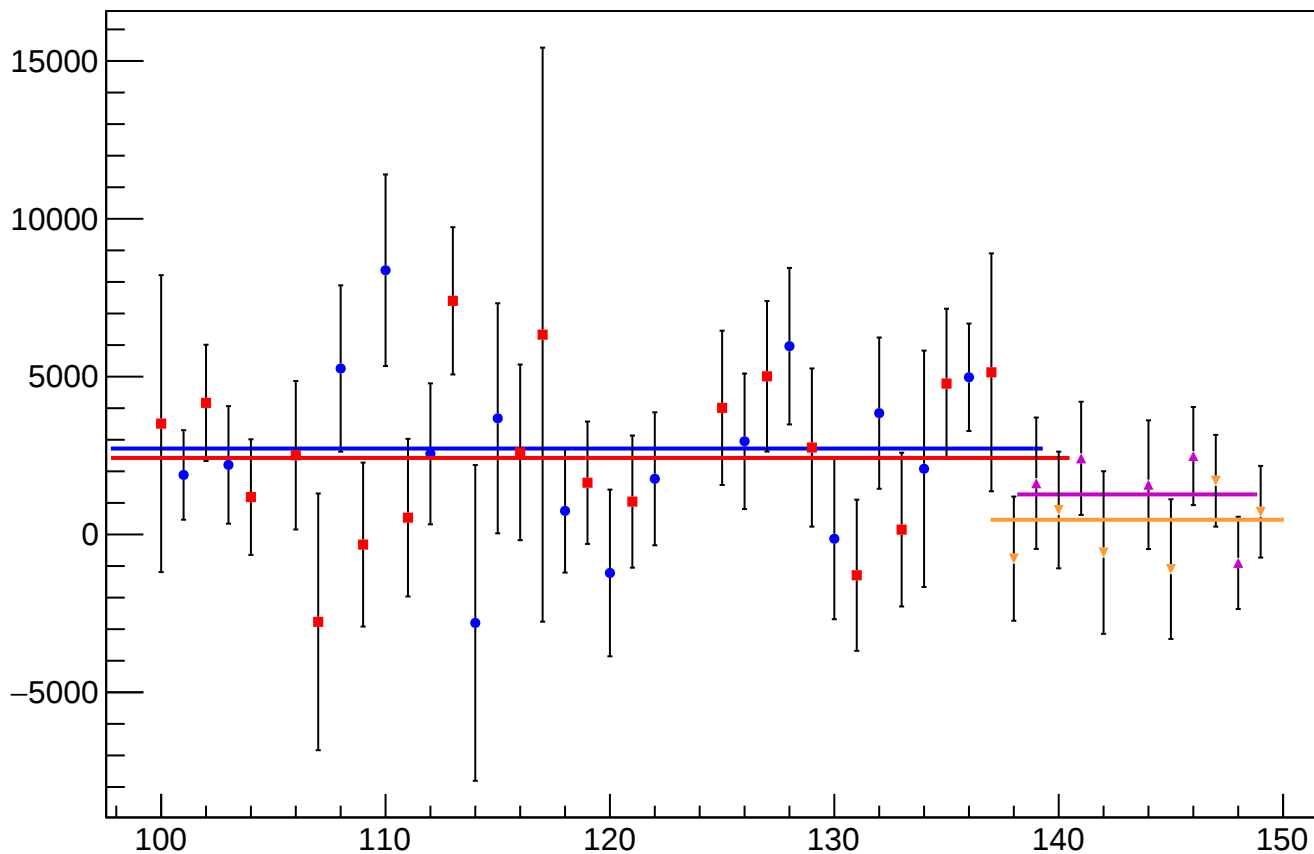
Left In: 1289.048 $\pm$ 0.462 χ^2/NDF : 250202.1/4

1192.394 $\pm$ 0.261 χ^2/NDF : 879826.3/21

1219.391 $\pm$ 0.188 χ^2/NDF : 1610958.4/45

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

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 466.828 ± 734.451 χ^2/NDF : 1.8/5

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

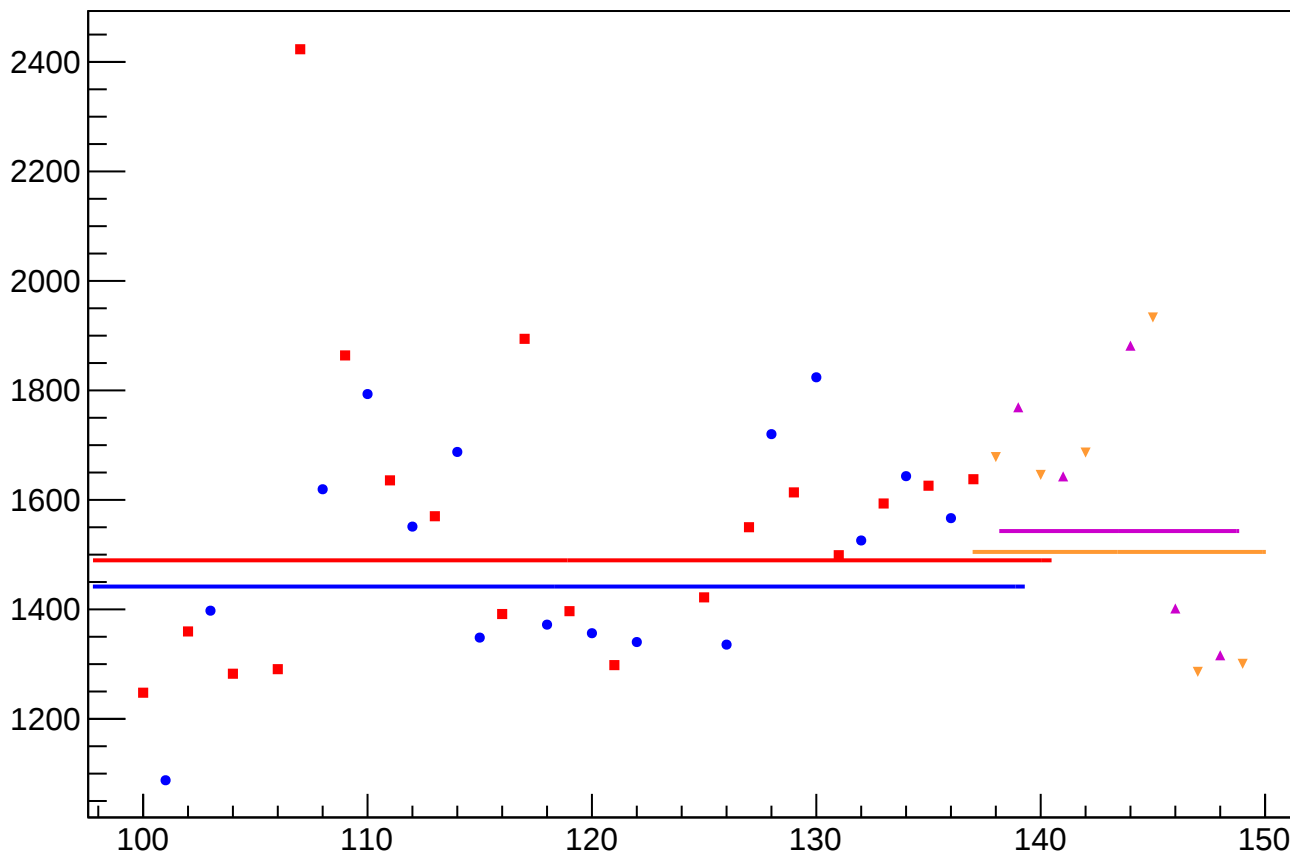
Left In: 1268.696 ± 775.088 χ^2/NDF : 3.3/4

1879.758 ± 448.892 χ^2/NDF : 22.3/21

1948.605 ± 320.613 χ^2/NDF : 43.5/45

2020.299 ± 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: 1504.971 $\pm$ 0.519 χ^2/NDF : 197008.7/5

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

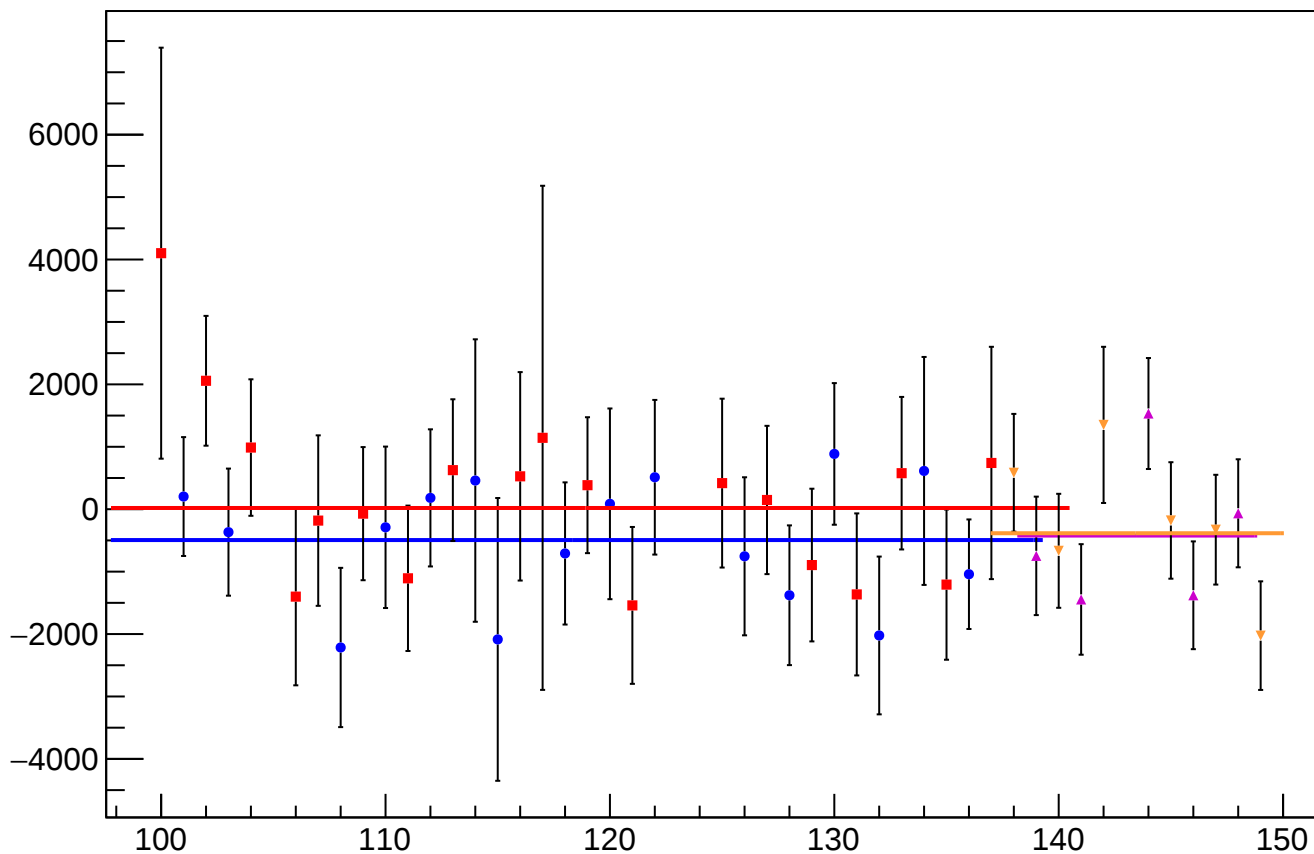
Left In: 1543.077 $\pm$ 0.548 χ^2/NDF : 149726.5/4

1465.348 $\pm$ 0.317 χ^2/NDF : 482203.7/21

1486.382 $\pm$ 0.227 χ^2/NDF : 907202.7/45

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 χ^2/NDF : 8.7/15

Left Out: -384.801 ± 385.585 χ^2/NDF : 6.7/5

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

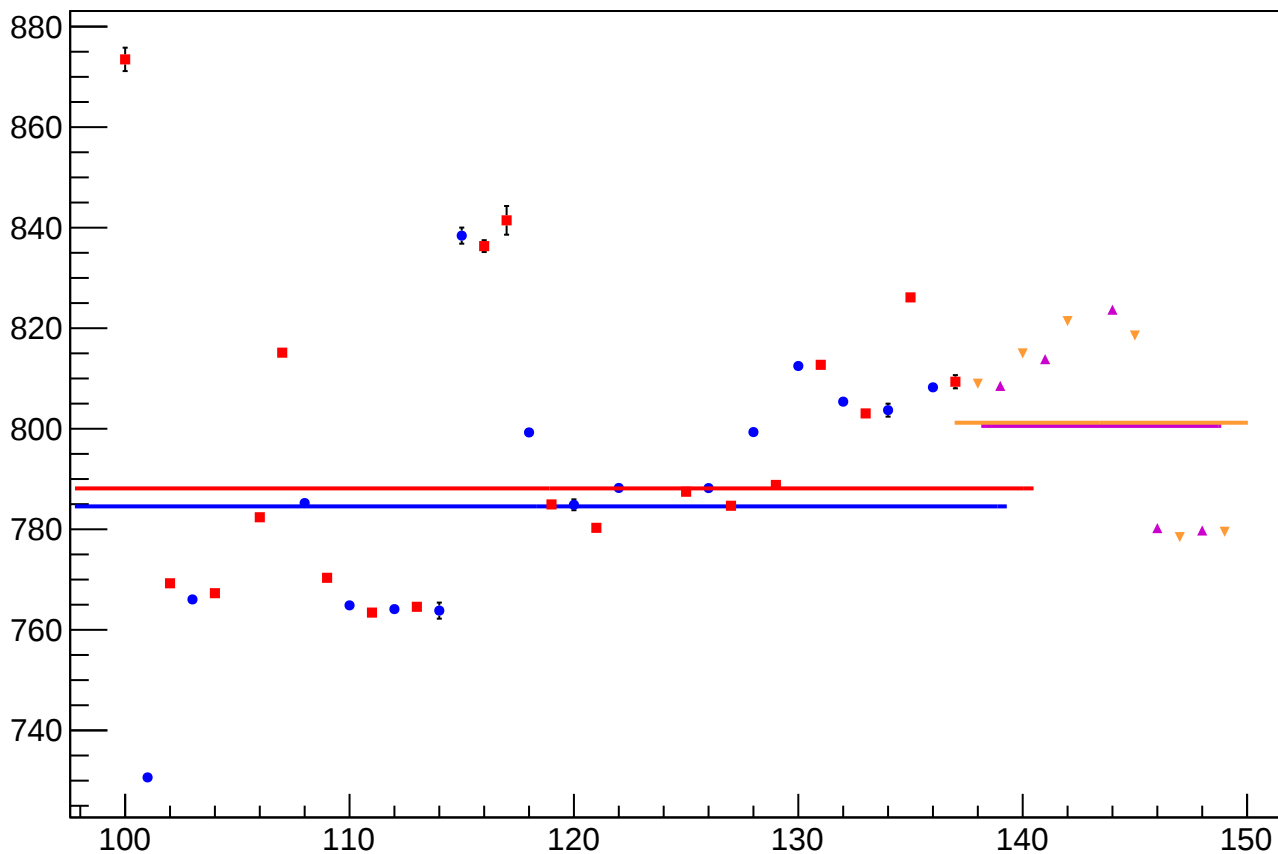
Left In: -422.150 ± 397.514 χ^2/NDF : 7.7/4

-452.170 ± 239.039 χ^2/NDF : 15.4/21

-294.625 ± 168.618 χ^2/NDF : 38.2/45

-138.592 ± 237.890 χ^2/NDF : 21.9/23

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 801.200 ± 0.273 χ^2/NDF : 4388.6/5

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

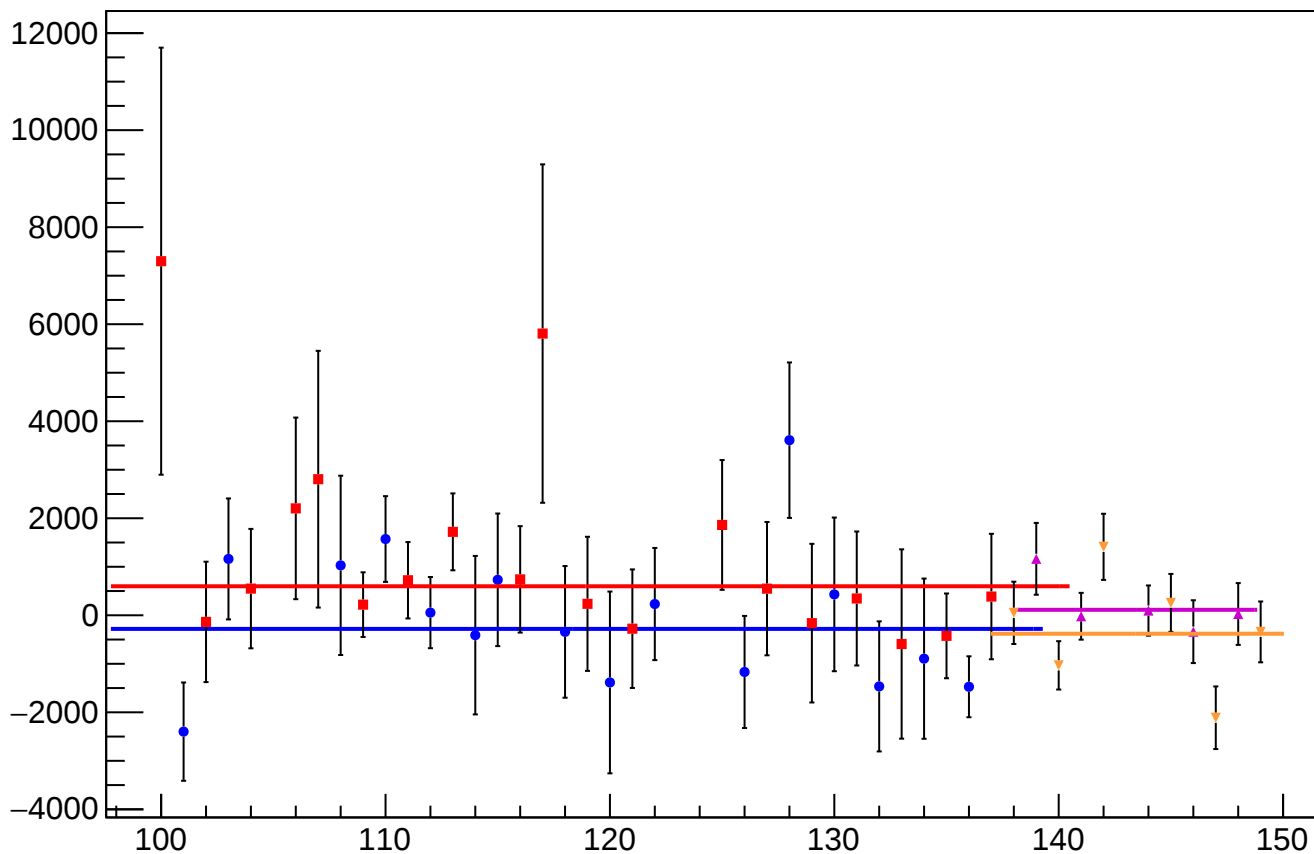
Left In: 800.563 ± 0.281 χ^2/NDF : 4207.9/4

790.954 ± 0.169 χ^2/NDF : 20360.1/21

791.773 ± 0.119 χ^2/NDF : 37129.4/45

792.585 ± 0.168 χ^2/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: -380.332 $\pm$ 247.300 χ^2 /NDF:17.4/5

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

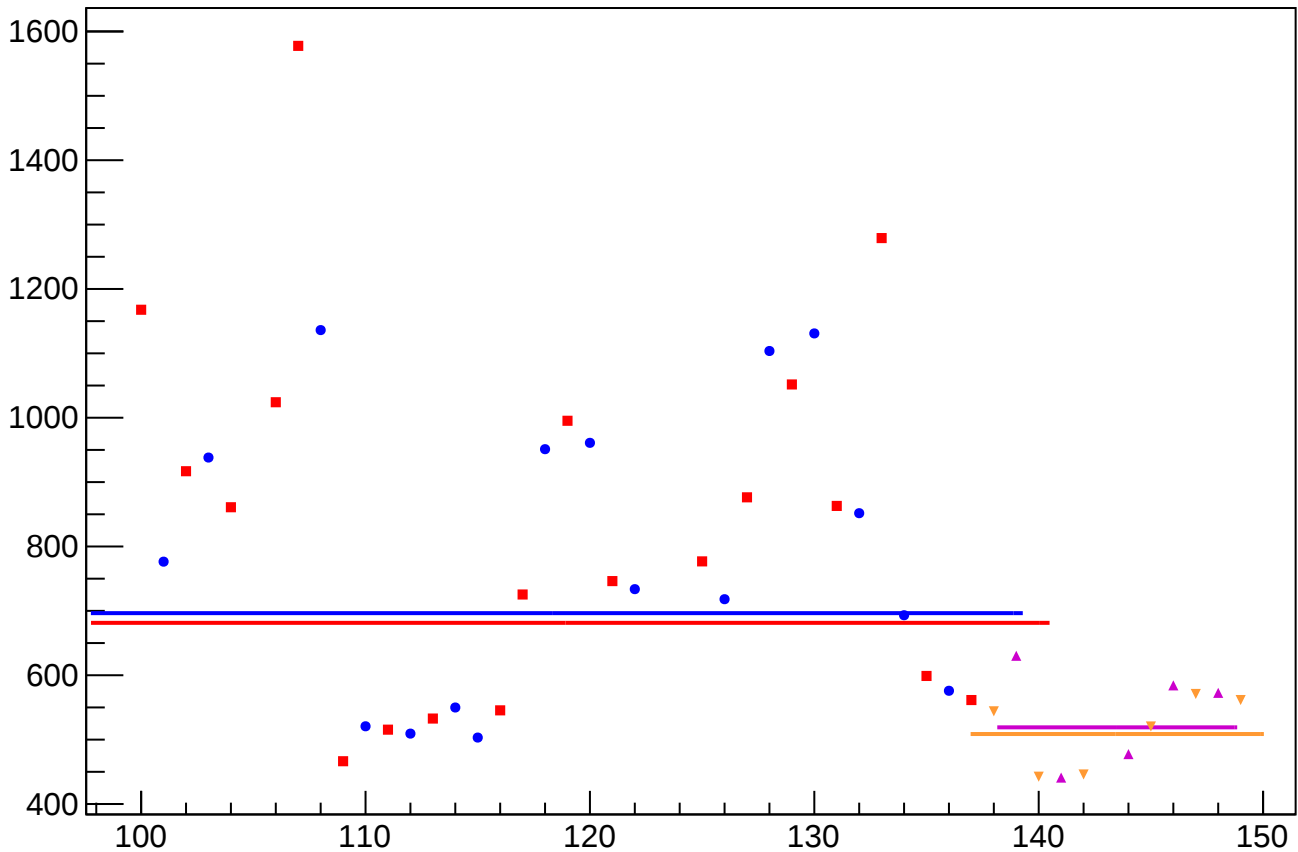
Left In: 112.984 $\pm$ 260.750 χ^2 /NDF:2.6/4

-337.077 $\pm$ 186.076 χ^2 /NDF: 40.6/21

0.134 $\pm$ 132.336 χ^2 /NDF: 63.7/45

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: 508.704 $\pm$ 0.175 χ^2 /NDF: 91880.4/5

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

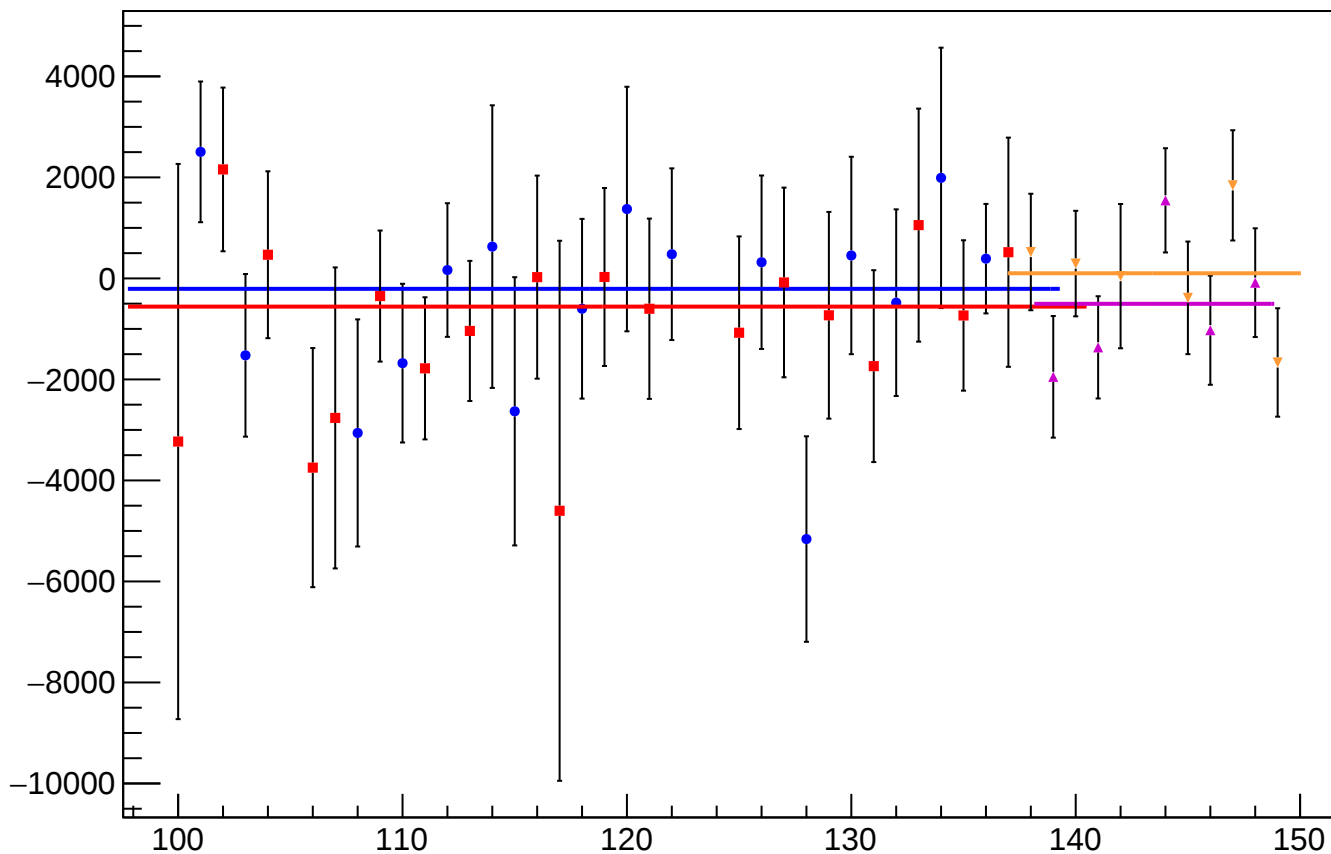
Left In: 519.068 $\pm$ 0.184 χ^2 /NDF: 144796.9/4

590.163 $\pm$ 0.132 χ^2 /NDF: 1551538.1/21

593.438 $\pm$ 0.094 χ^2 /NDF: 3421592.8/45

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

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -206.385 $\pm$ 433.774 χ^2/NDF : 15.8/15

Left Out: 101.750 $\pm$ 462.720 χ^2/NDF : 5.6/5

Right Out: -558.638 $\pm$ 425.771 χ^2/NDF : 8.7/18

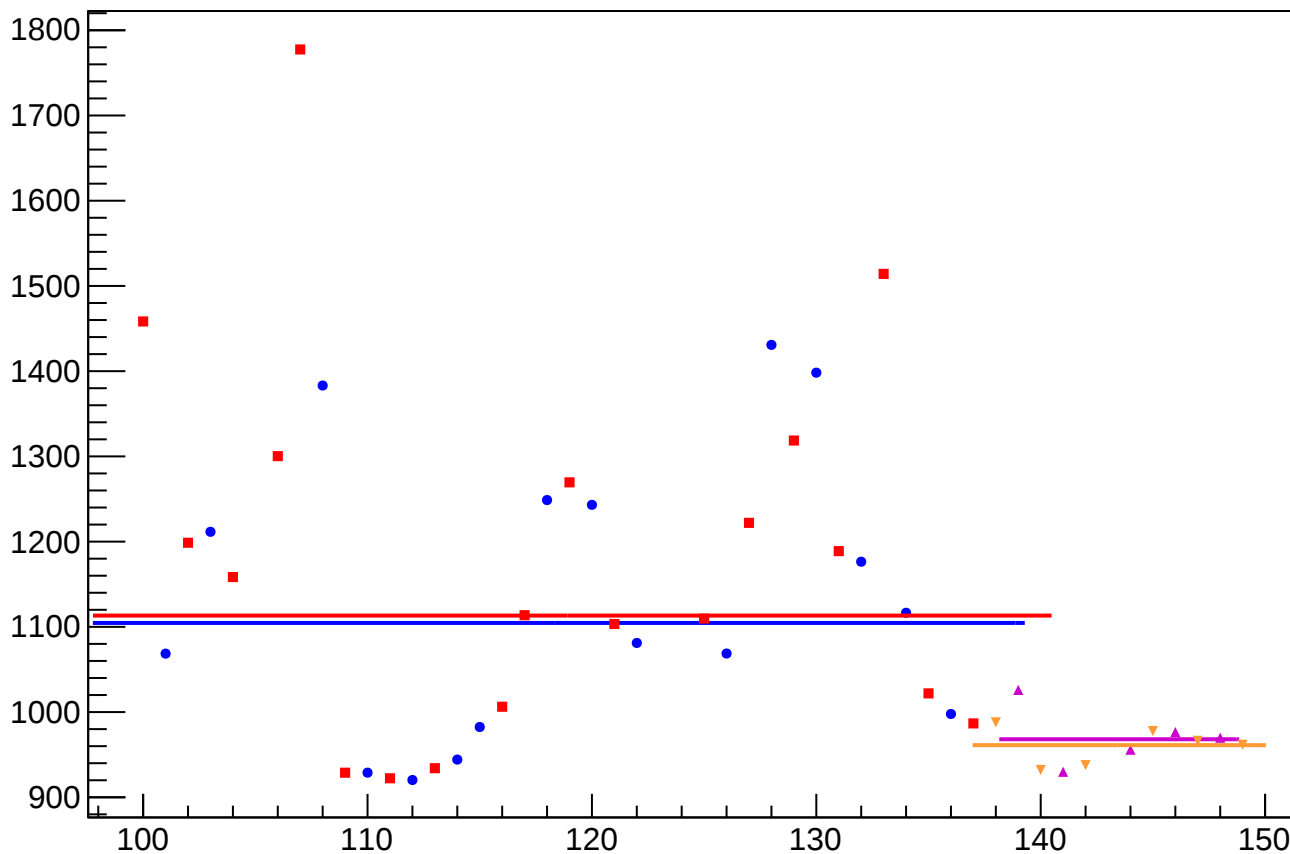
Left In: -503.113 $\pm$ 480.926 χ^2/NDF : 6.5/4

-62.256 $\pm$ 316.463 χ^2/NDF : 21.6/21

-296.519 $\pm$ 224.591 χ^2/NDF : 37.9/45

-534.241 $\pm$ 318.790 χ^2/NDF : 15.2/23

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 961.194 $\pm$ 0.327 χ^2 /NDF: 3654.7/5

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

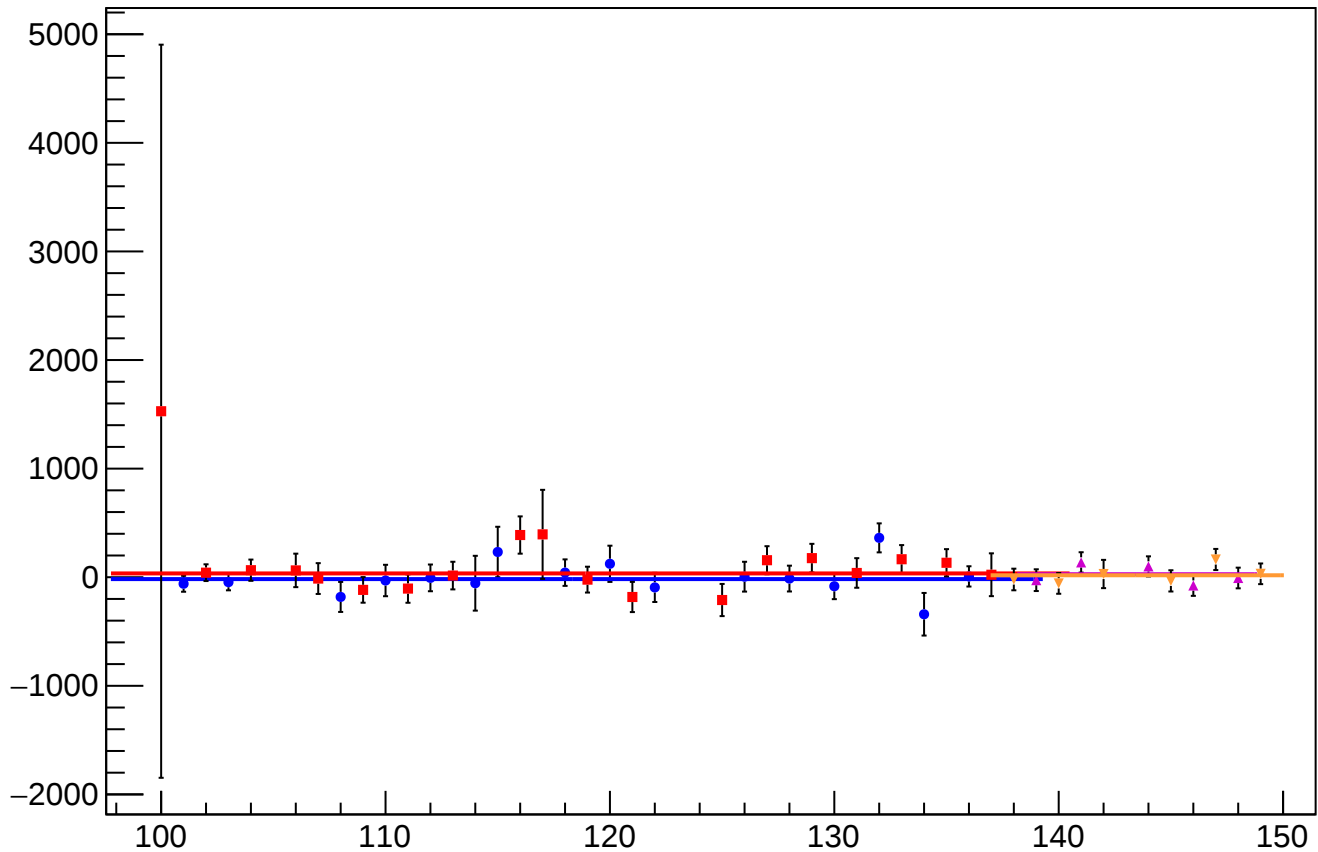
Left In: 968.102 $\pm$ 0.340 χ^2 /NDF: 7878.6/4

1037.520 $\pm$ 0.224 χ^2 /NDF: 361384.6/21

1043.444 $\pm$ 0.159 χ^2 /NDF: 835742.4/45

1049.455 $\pm$ 0.225 χ^2 /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: 17.974 ± 41.160 χ^2/NDF : 3.3/5

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

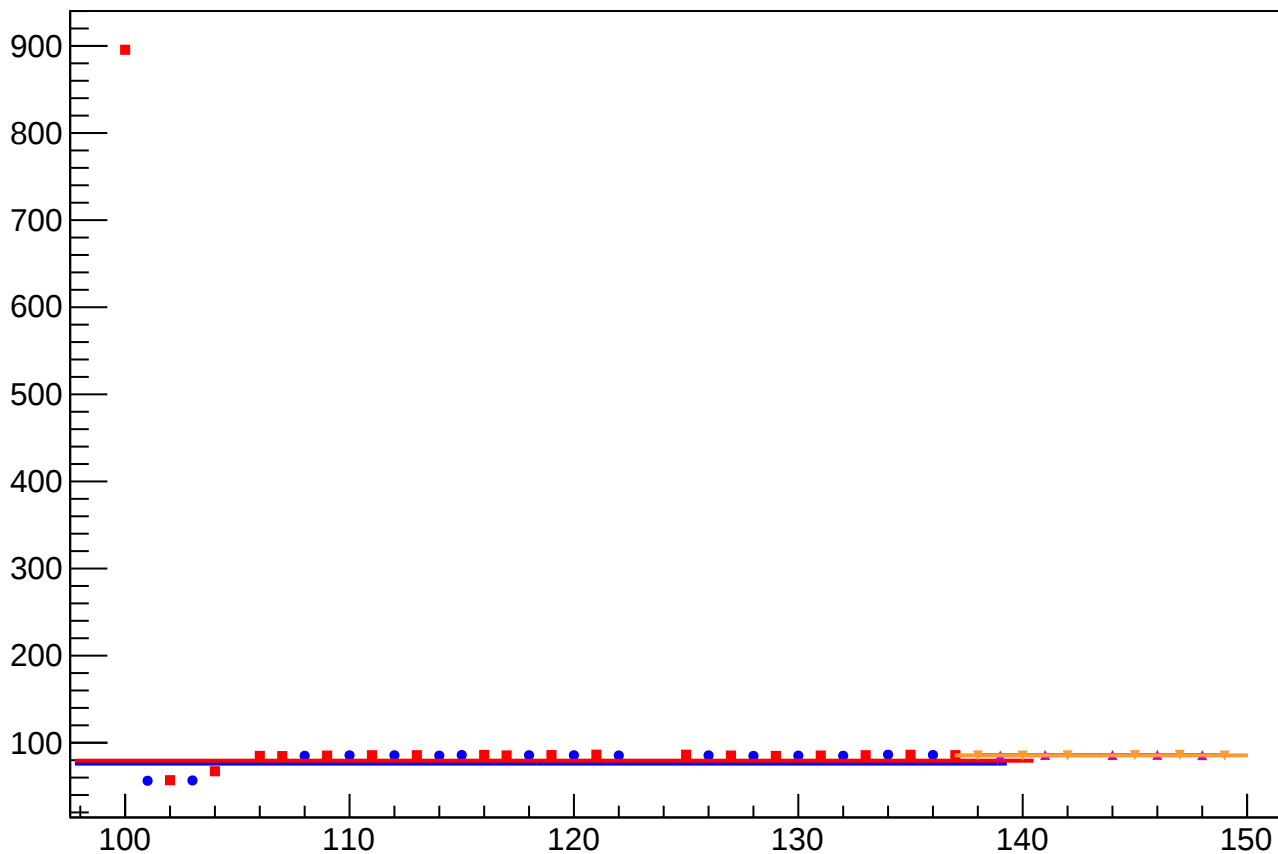
Left In: 27.707 ± 42.622 χ^2/NDF : 3.6/4

-5.027 ± 24.237 χ^2/NDF : 19.4/21

13.341 ± 17.310 χ^2/NDF : 41.4/45

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: 85.546 $\pm$ 0.029 χ^2 /NDF: 128.5/5

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

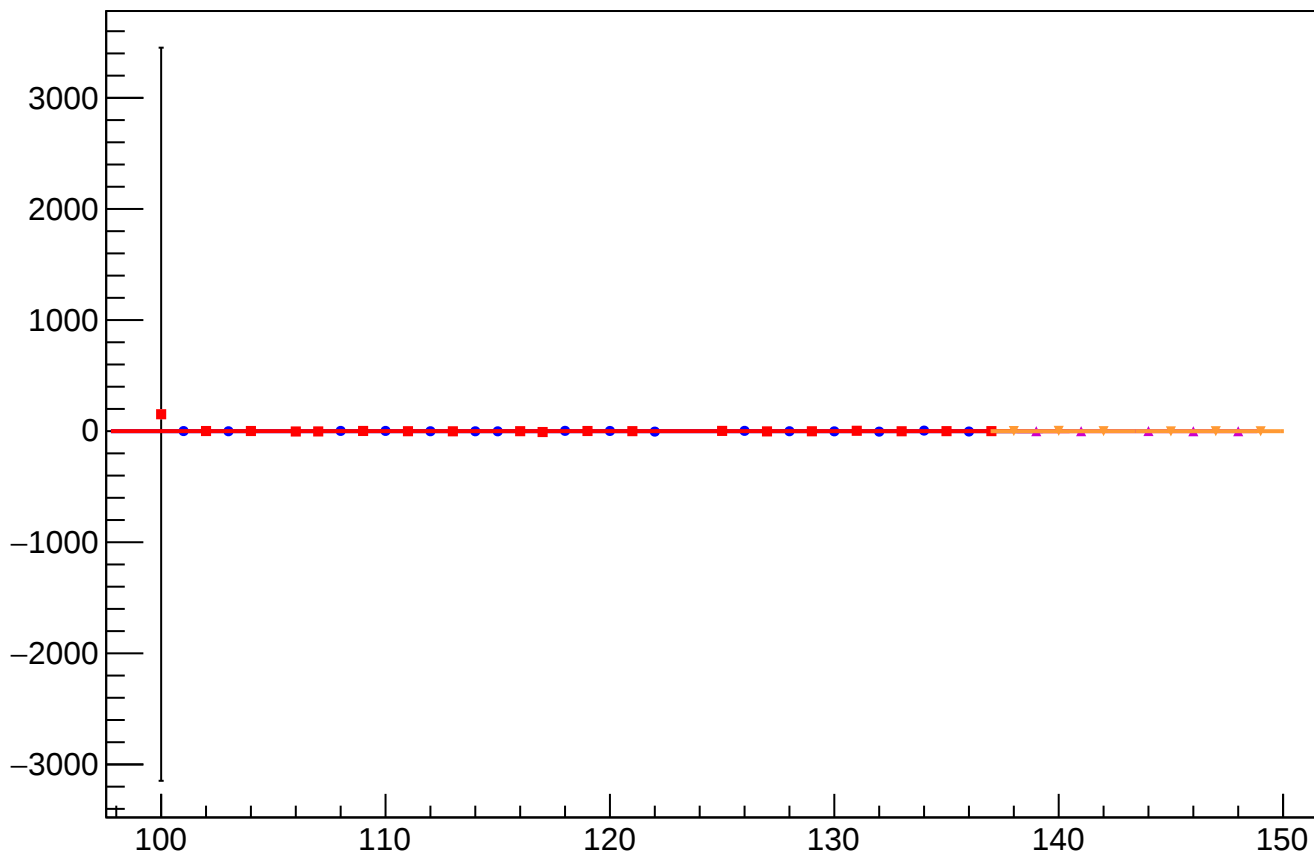
Left In: 85.856 $\pm$ 0.030 χ^2 /NDF: 96.6/4

79.362 $\pm$ 0.017 χ^2 /NDF: 478414.2/21

80.453 $\pm$ 0.012 χ^2 /NDF: 895960.5/45

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: -0.366 ± 0.696 χ^2/NDF : 4.5/5

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

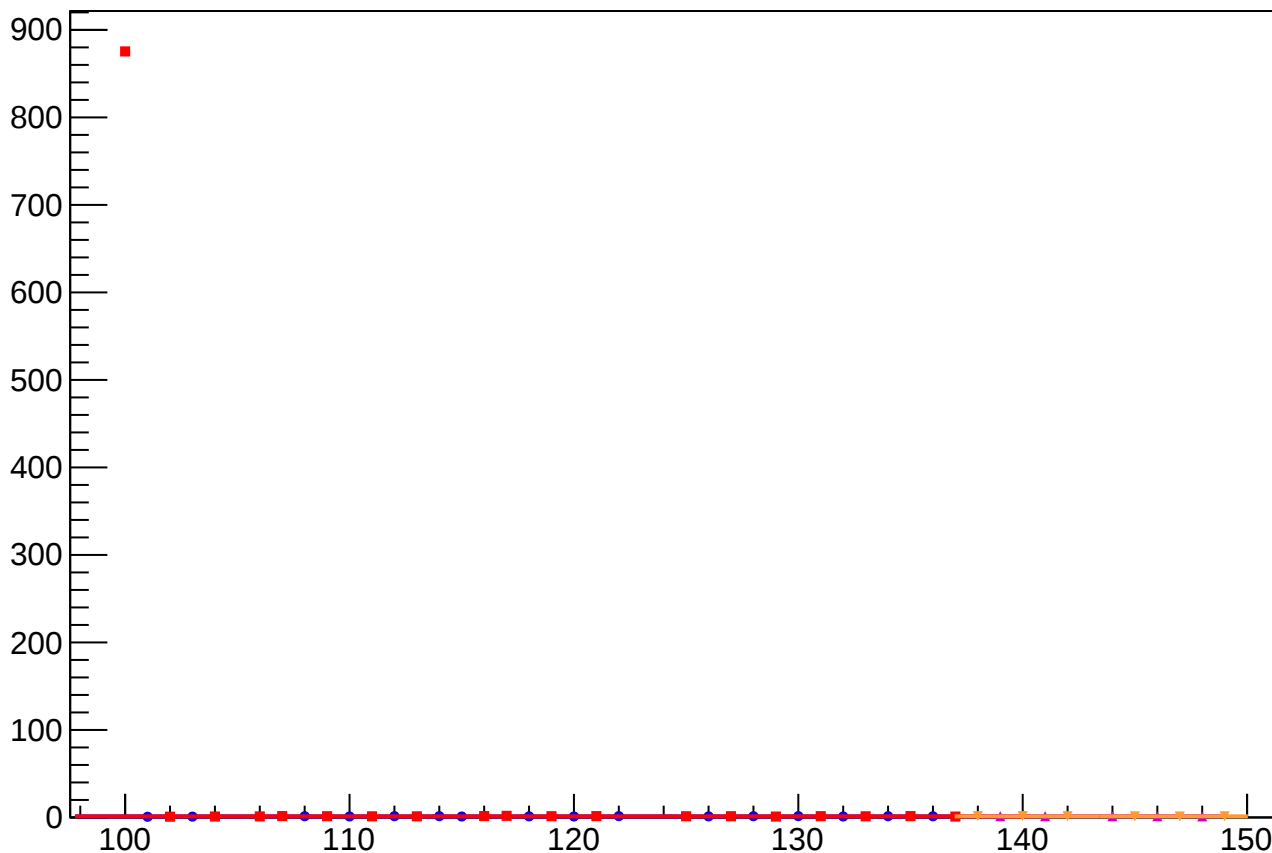
Left In: -0.108 ± 0.757 χ^2/NDF : 0.7/4

-0.310 ± 0.407 χ^2/NDF : 25.6/21

-0.163 ± 0.295 χ^2/NDF : 36.4/45

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: 1.308 $\pm$ 0.000 χ^2 /NDF:105875.3/5

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

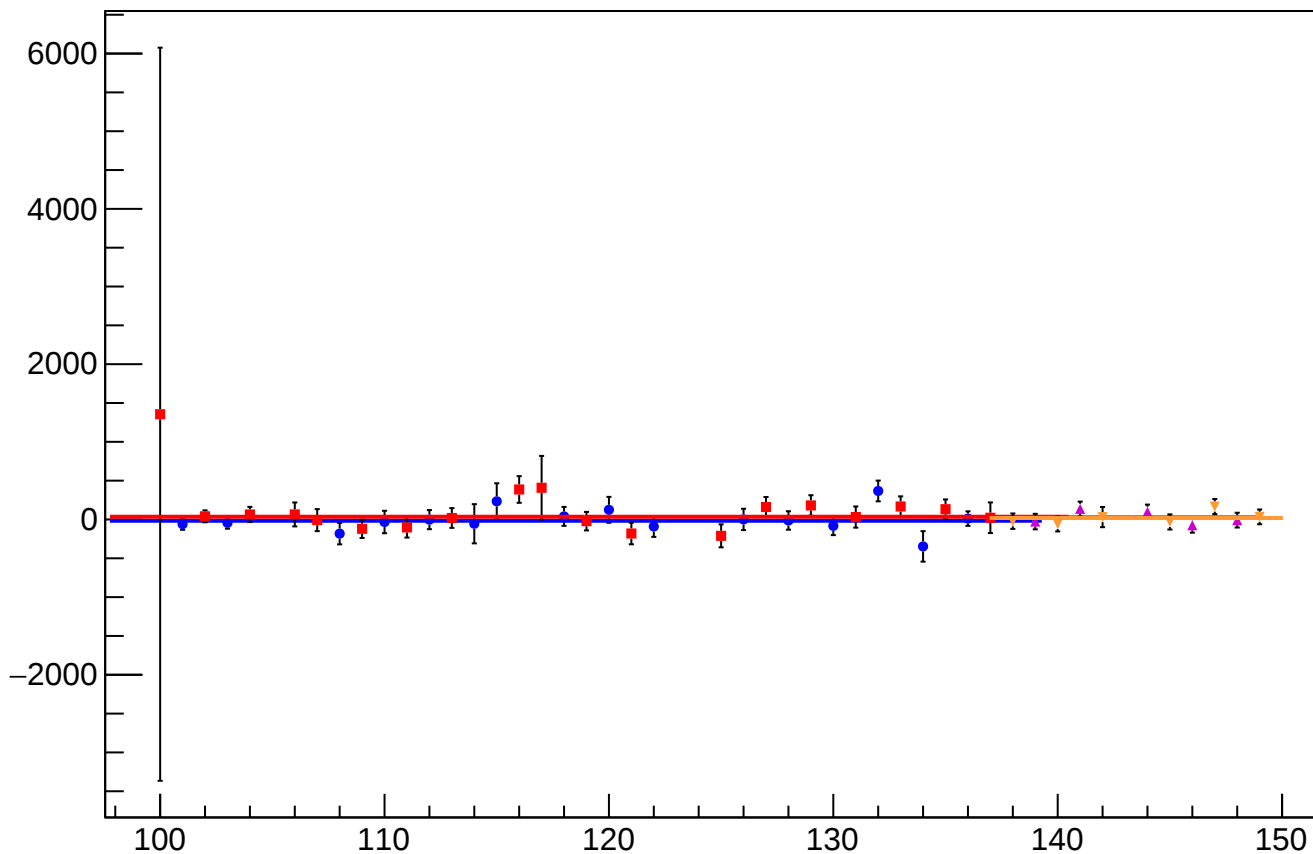
Left In: 1.416 $\pm$ 0.001 χ^2 /NDF:35595.0/4

1.206 $\pm$ 0.000 χ^2 /NDF: 686125.0/21

1.252 $\pm$ 0.000 χ^2 /NDF: 1367766.1/45

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

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 18.731 ± 41.170 χ^2/NDF : 3.4/5

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

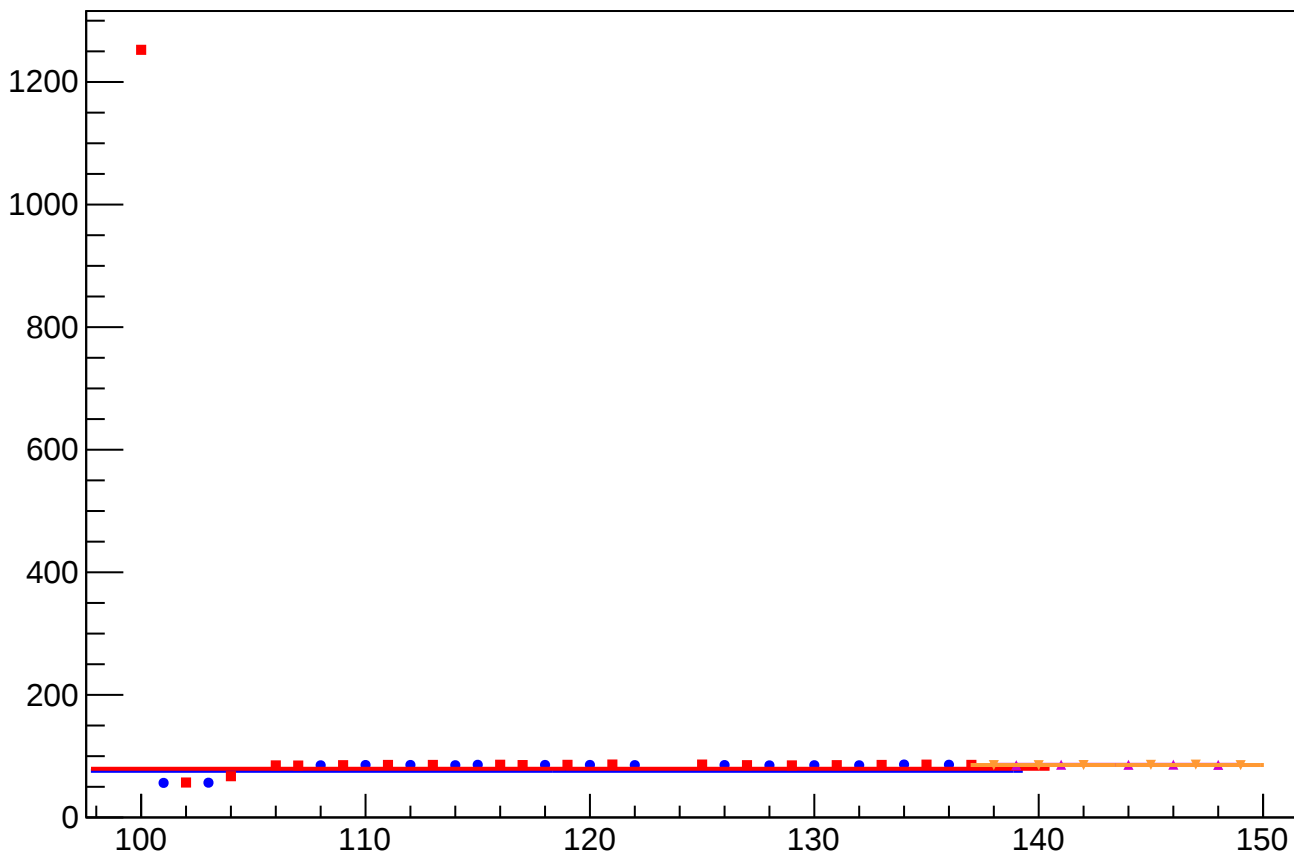
Left In: 27.527 ± 42.633 χ^2/NDF : 3.5/4

-4.160 ± 24.244 χ^2/NDF : 19.7/21

13.849 ± 17.314 χ^2/NDF : 41.8/45

32.598 ± 24.736 χ^2/NDF : 20.9/23

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.099+/-0.021 χ^2/NDF : 409200.9/15

Left Out: 85.568+/-0.029 χ^2/NDF : 128.6/5

Right Out: 79.426+/-0.021 χ^2/NDF : 385484.8/18

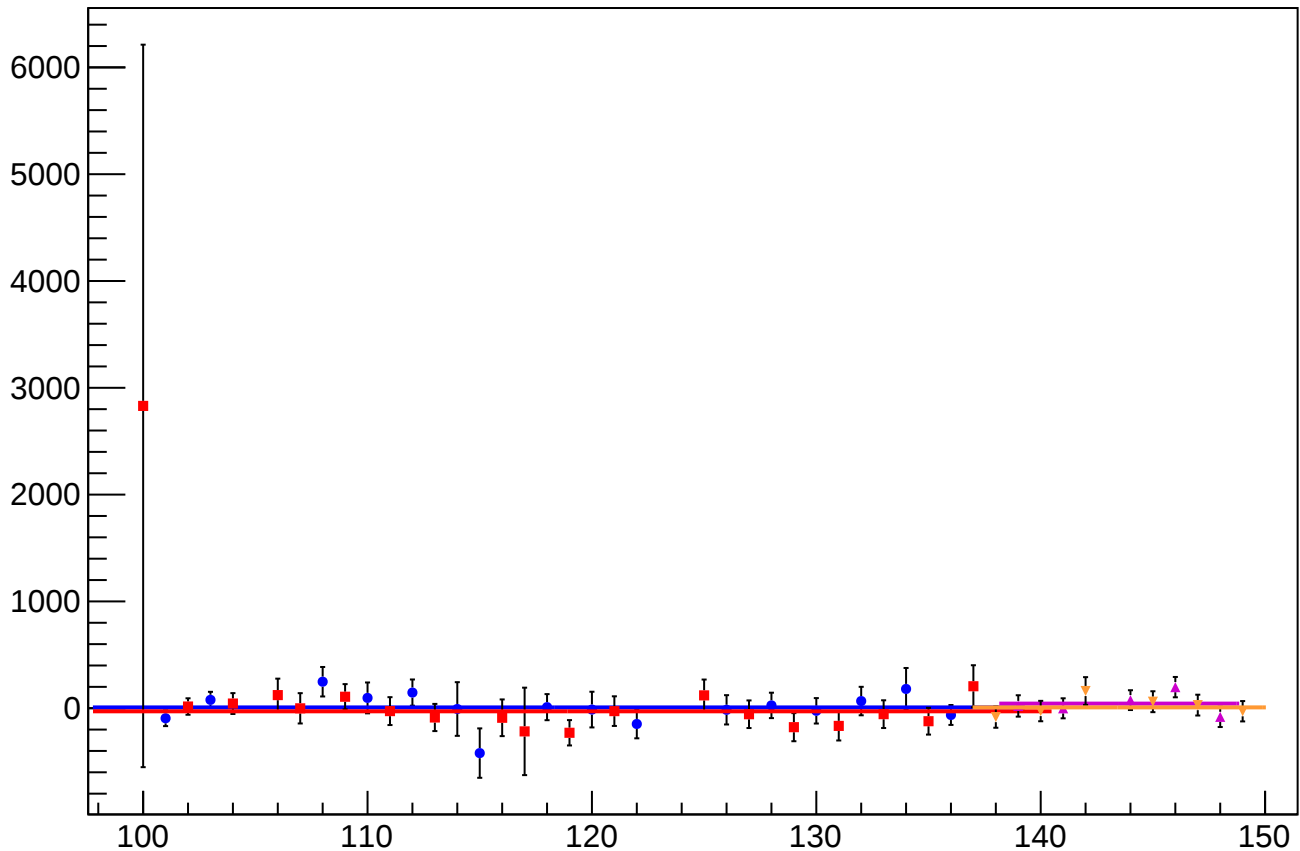
Left In: 85.878+/-0.030 χ^2/NDF : 96.9/4

79.382+/-0.017 χ^2/NDF : 478442.3/21

80.468+/-0.012 χ^2/NDF : 902593.8/45

81.598+/-0.017 χ^2/NDF : 415964.7/23

reg_asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 7.460 $\pm$ 29.969 χ^2 /NDF: 13.9/15

Left Out: 7.731 $\pm$ 41.172 χ^2 /NDF: 2.8/5

Right Out: -28.958 $\pm$ 30.344 χ^2 /NDF: 12.7/18

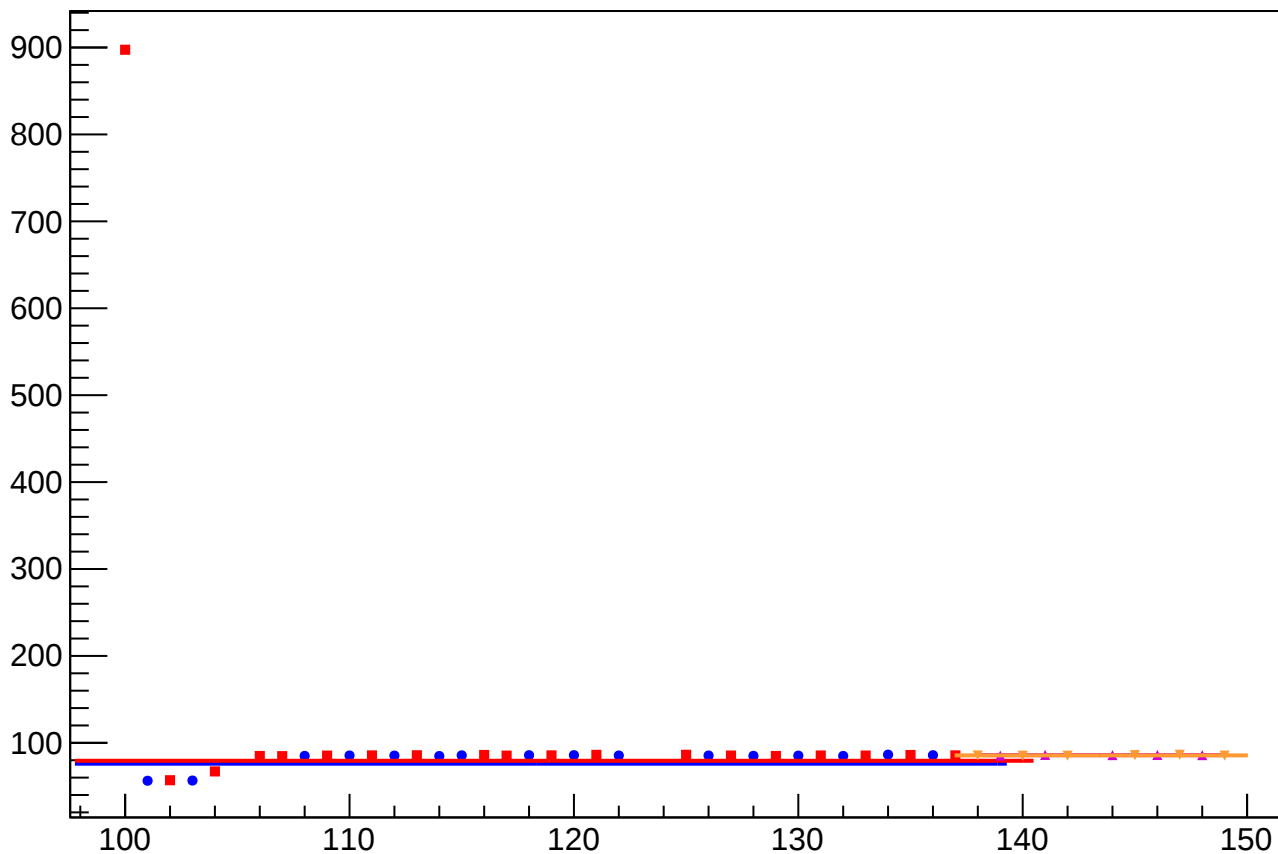
Left In: 43.091 $\pm$ 42.633 χ^2 /NDF: 4.7/4

7.554 $\pm$ 24.230 χ^2 /NDF: 16.8/21

1.534 $\pm$ 17.304 χ^2 /NDF: 36.2/45

-4.732 $\pm$ 24.722 χ^2 /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: 85.571 $\pm$ 0.029 χ^2 /NDF: 169.4/5

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

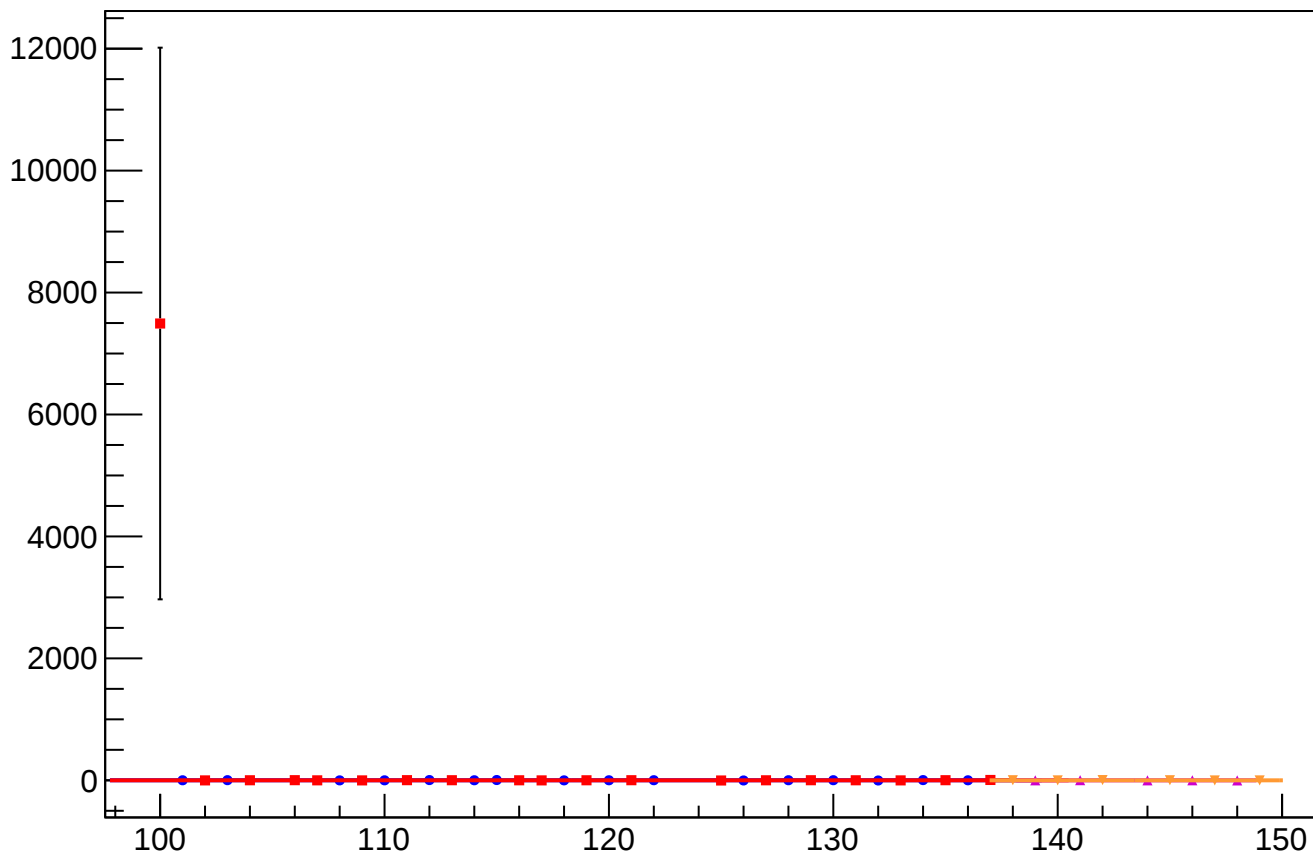
Left In: 85.879 $\pm$ 0.030 χ^2 /NDF: 82.6/4

79.336 $\pm$ 0.017 χ^2 /NDF: 479267.8/21

80.426 $\pm$ 0.012 χ^2 /NDF: 897322.2/45

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

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.306 $\pm$ 0.694 χ^2 /NDF: 6.2/5

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

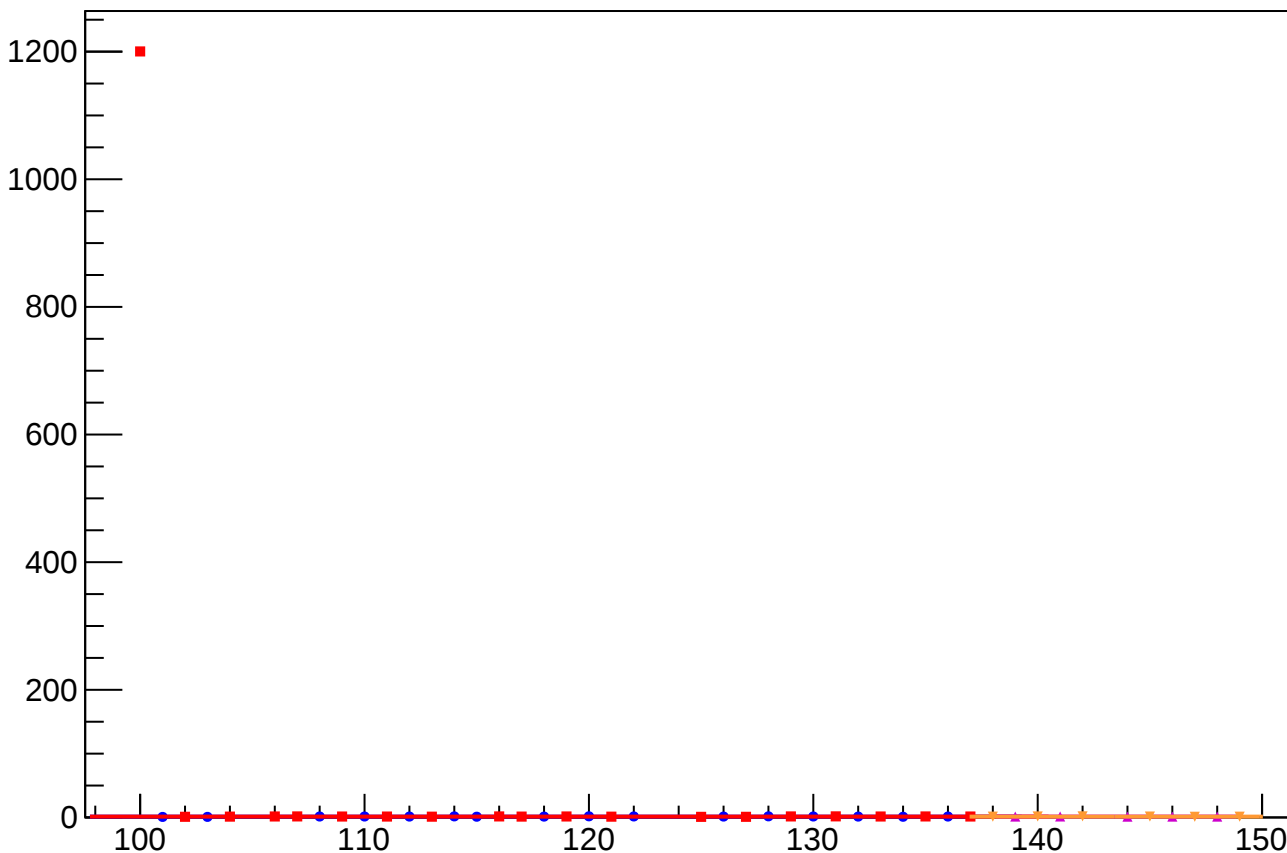
Left In: 0.004 $\pm$ 0.739 χ^2 /NDF: 3.0/4

0.460 $\pm$ 0.422 χ^2 /NDF: 20.1/21

0.334 $\pm$ 0.304 χ^2 /NDF: 36.0/45

0.198 $\pm$ 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: 1.299+/-0.000 χ^2/NDF : 155272.3/5

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

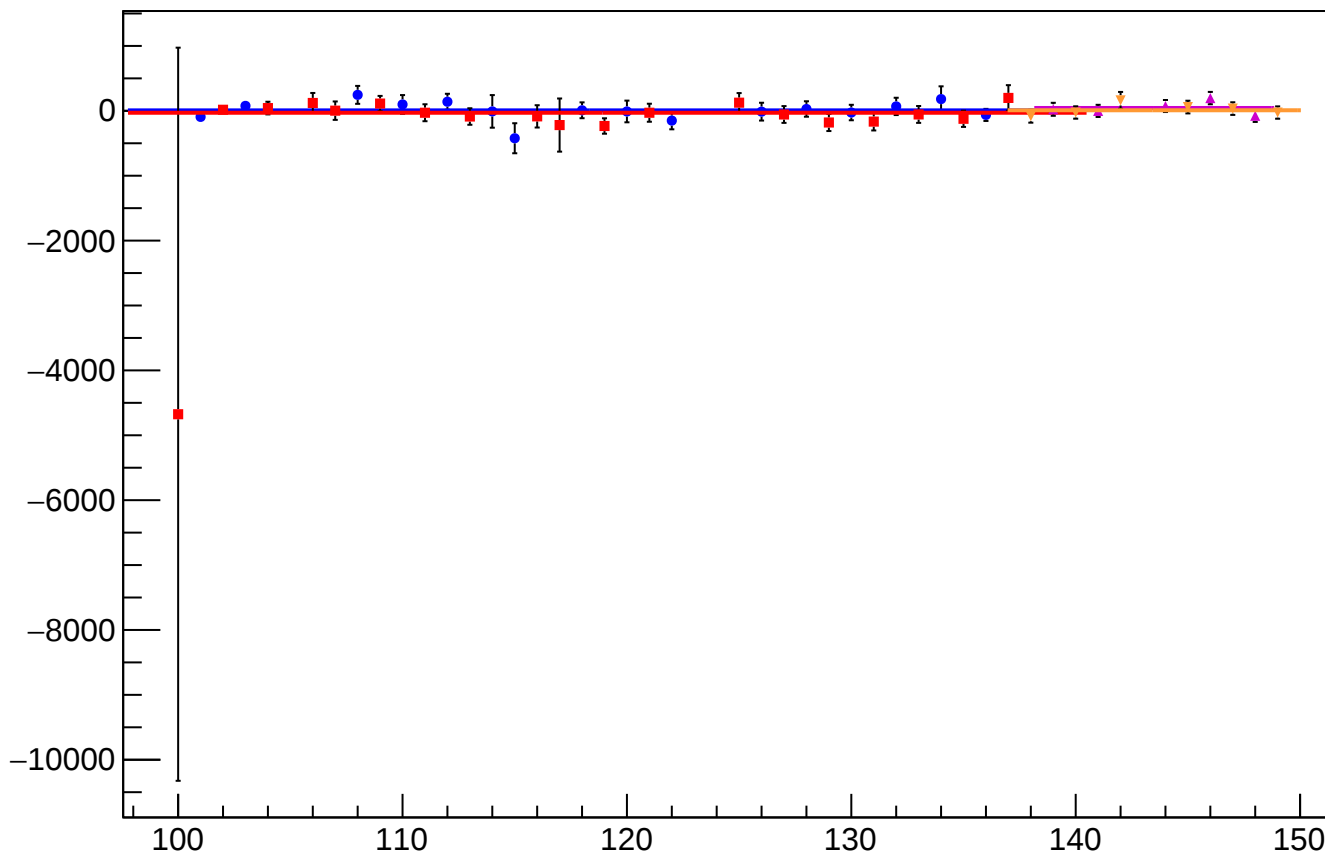
Left In: 1.365+/-0.001 χ^2/NDF : 33004.0/4

1.260+/-0.000 χ^2/NDF : 822927.1/21

1.296+/-0.000 χ^2/NDF : 1412234.9/45

1.334+/-0.000 χ^2/NDF : 559889.2/23

asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.781 $\pm$ 29.977 χ^2/NDF : 13.8/15

Left Out: 8.643 $\pm$ 41.183 χ^2/NDF : 2.8/5

Right Out: -29.600 $\pm$ 30.353 χ^2/NDF : 12.9/18

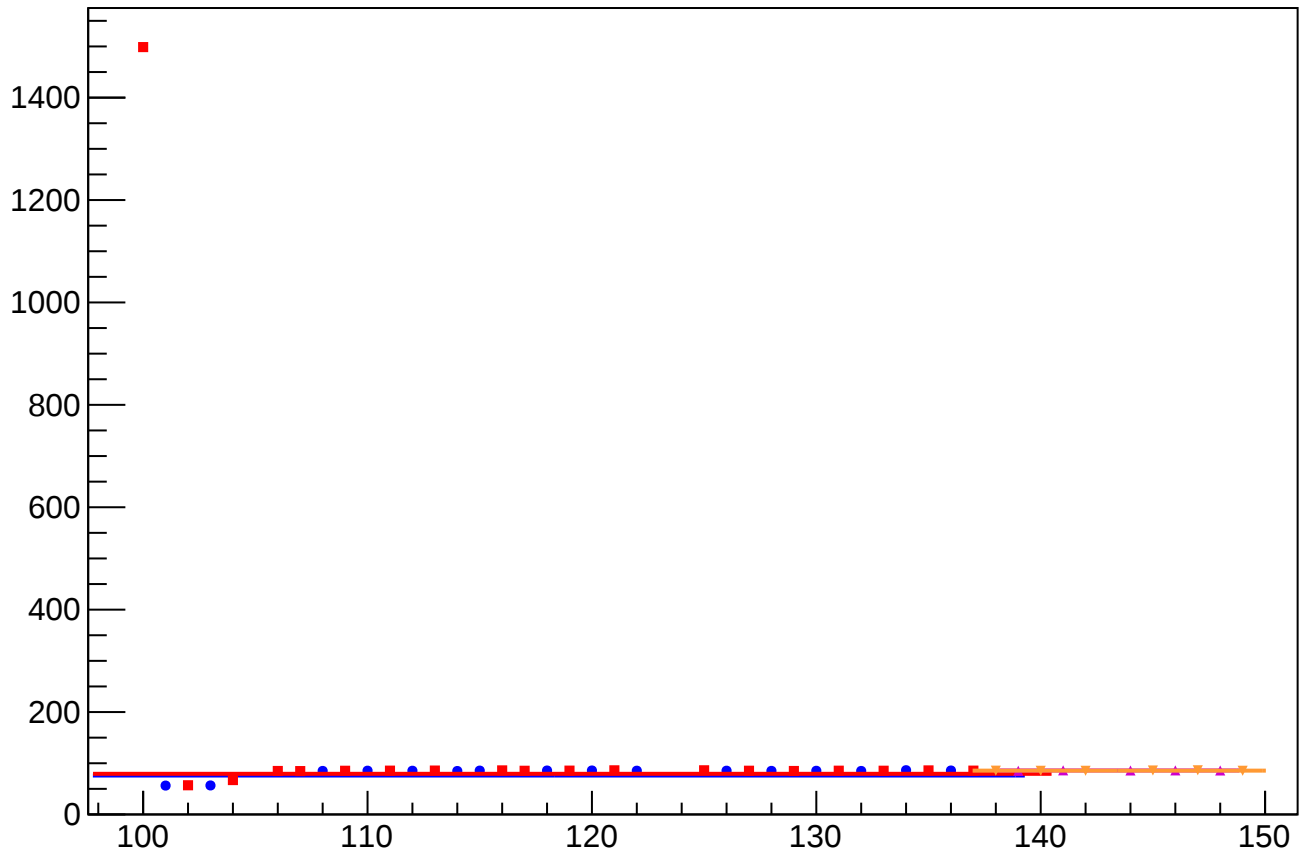
Left In: 43.807 $\pm$ 42.645 χ^2/NDF : 4.5/4

7.426 $\pm$ 24.236 χ^2/NDF : 16.6/21

1.379 $\pm$ 17.309 χ^2/NDF : 36.1/45

-4.916 $\pm$ 24.729 χ^2/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: 85.594 $\pm$ 0.029 χ^2 /NDF: 168.6/5

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

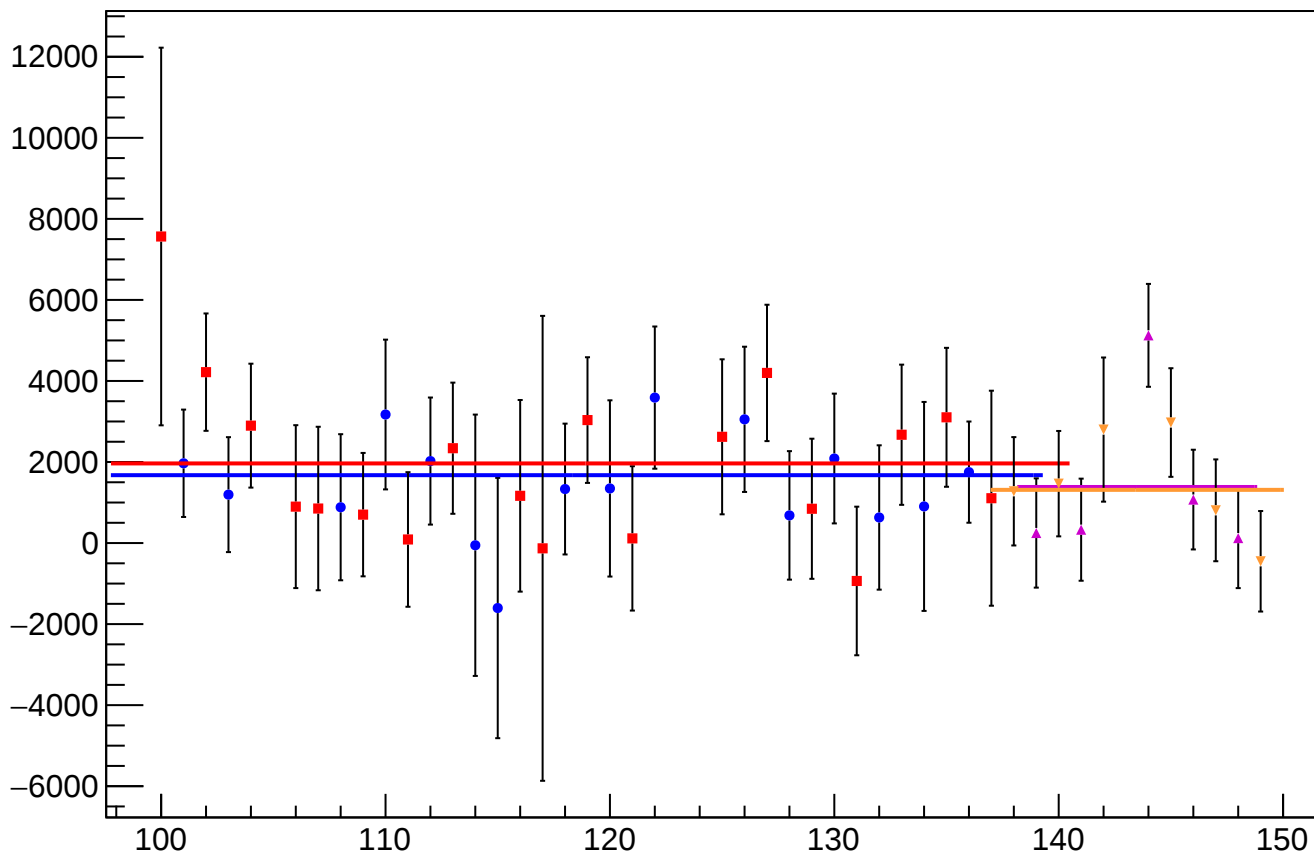
Left In: 85.902 $\pm$ 0.030 χ^2 /NDF: 82.4/4

79.357 $\pm$ 0.017 χ^2 /NDF: 479309.1/21

80.440 $\pm$ 0.012 χ^2 /NDF: 906735.1/45

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: 1312.674 $\pm$ 549.876 χ^2 /NDF: 4.4/5

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

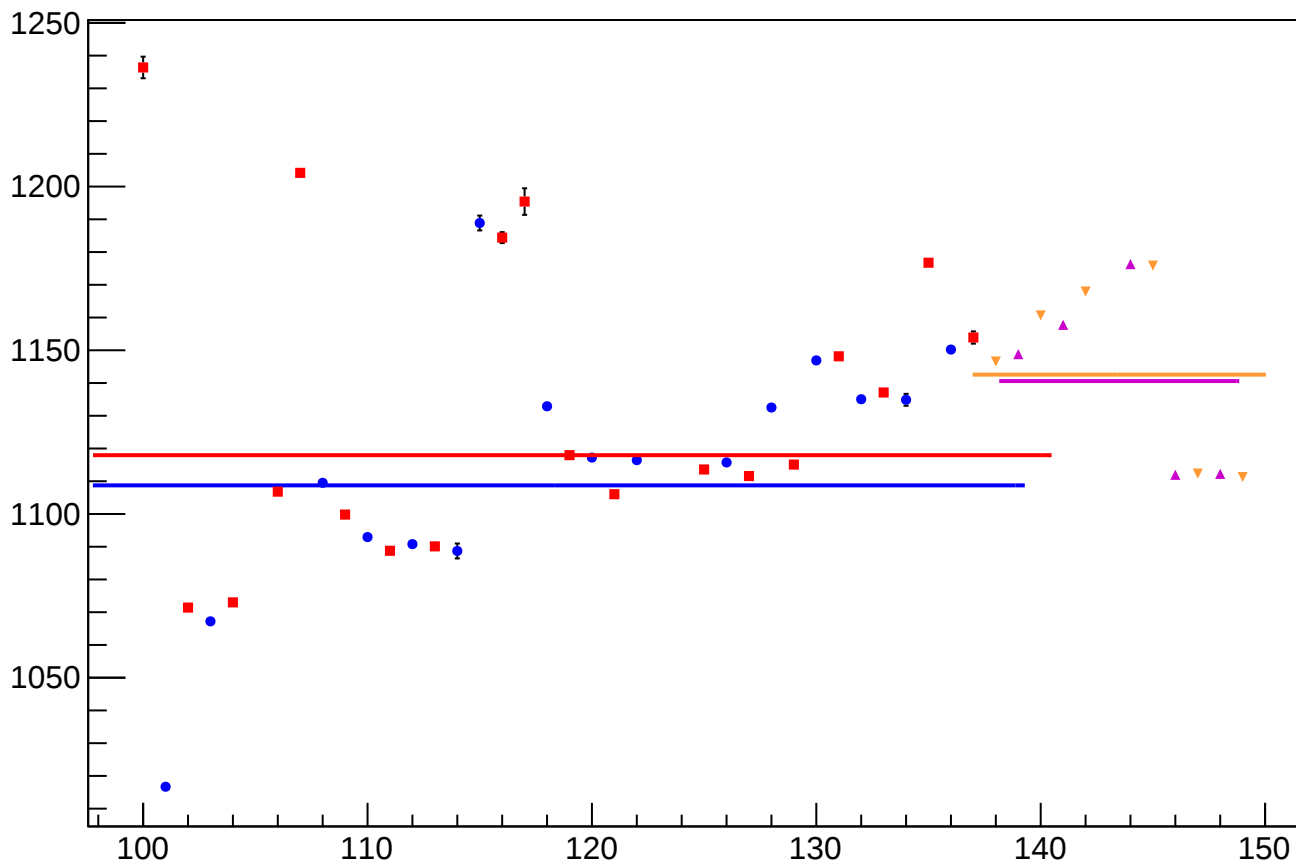
Left In: 1383.547 $\pm$ 566.366 χ^2 /NDF: 11.2/4

1537.269 $\pm$ 339.020 χ^2 /NDF: 9.8/21

1647.889 $\pm$ 239.367 χ^2 /NDF: 36.1/45

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: 1142.566 $\pm$ 0.389 χ^2 /NDF:4475.8/5

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

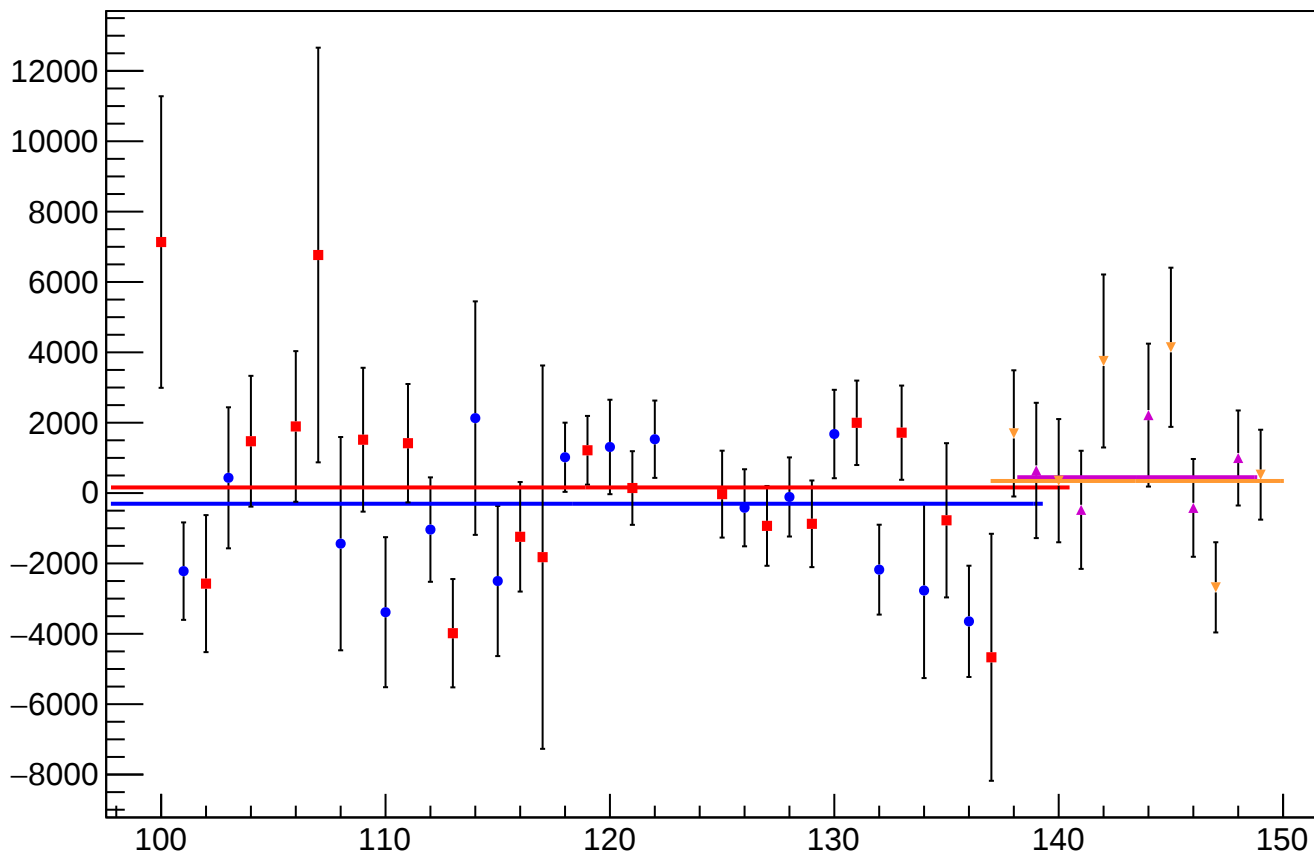
Left In: 1140.601 $\pm$ 0.400 χ^2 /NDF:4167.3/4

1121.598 $\pm$ 0.240 χ^2 /NDF: 27248.1/21

1123.817 $\pm$ 0.169 χ^2 /NDF: 49525.9/45

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: 343.986+/-671.378 χ^2/NDF :10.9/5

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

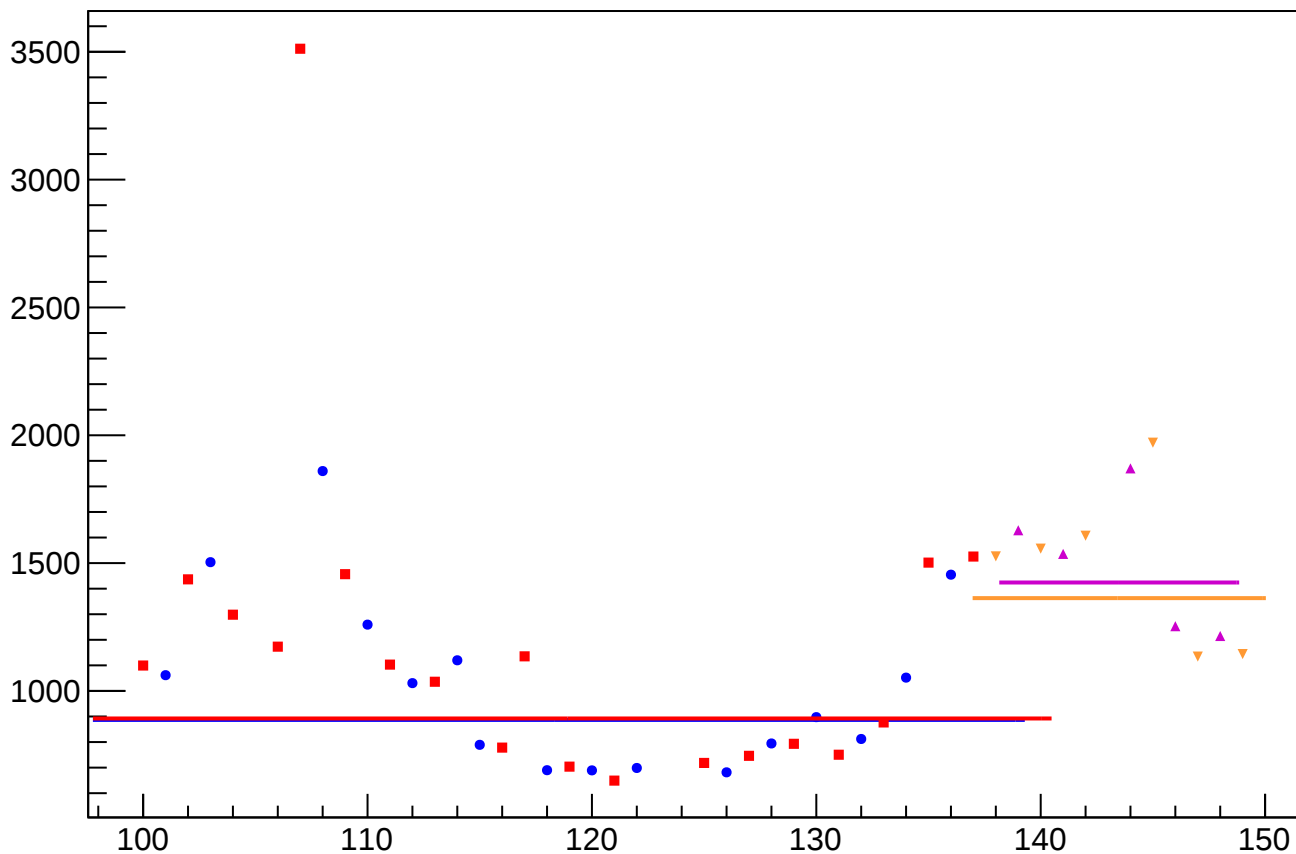
Left In: 450.412+/-719.169 χ^2/NDF :1.6/4

-158.737+/-317.314 χ^2/NDF : 33.9/21

28.490+/-224.854 χ^2/NDF : 61.4/45

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: 1363.012+/-0.475 χ^2/NDF : 327456.3/5

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

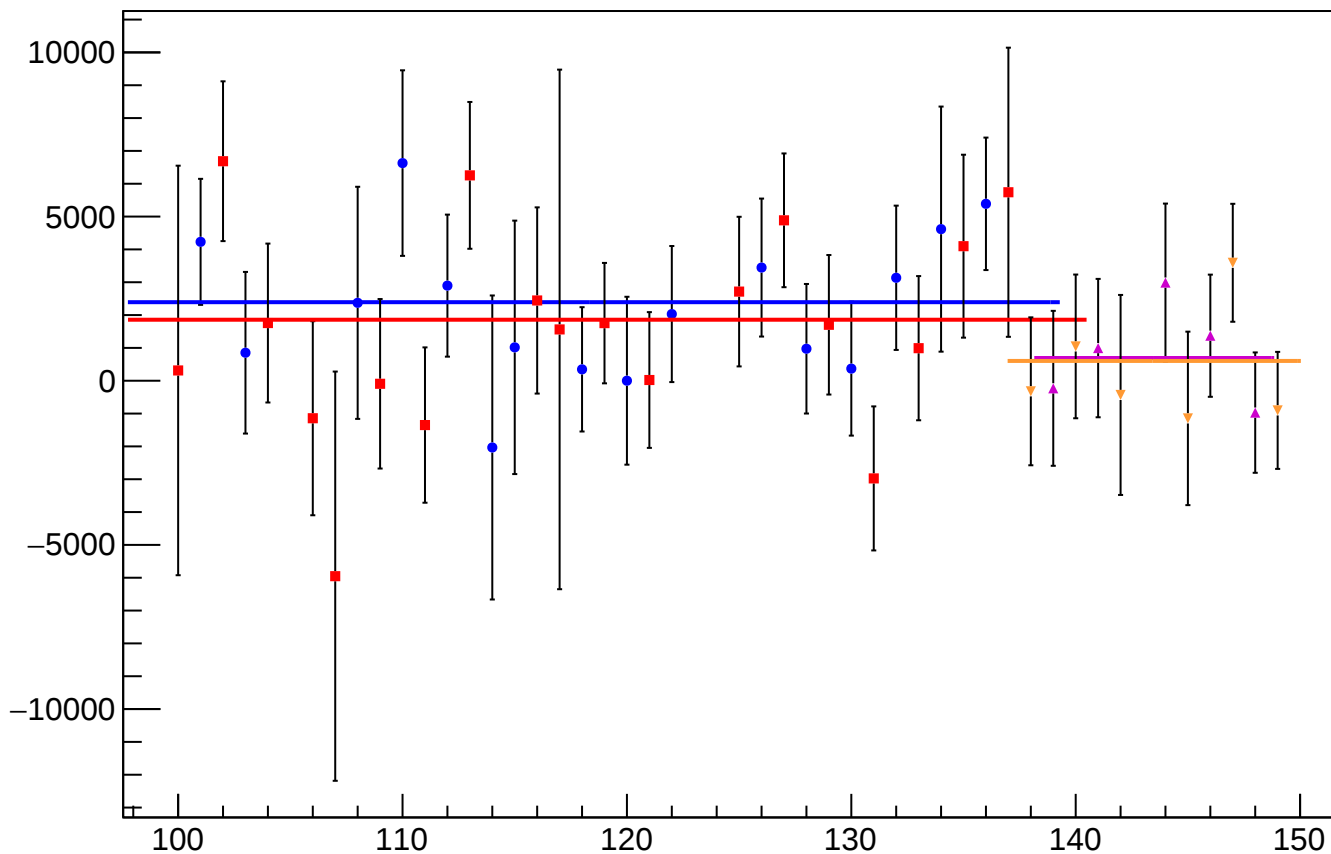
Left In: 1424.133+/-0.509 χ^2/NDF : 206323.9/4

993.091+/-0.224 χ^2/NDF : 2170134.3/21

994.875+/-0.159 χ^2/NDF : 4673976.7/45

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

asym_usl_mean vs Slug, Sign Corrected



Right In: 2392.385 ± 588.991 $\chi^2/\text{NDF}: 11.2/15$

Left Out: 602.994 ± 883.293 $\chi^2/\text{NDF}: 4.2/5$

Right Out: 1858.263 ± 581.542 $\chi^2/\text{NDF}: 22.5/18$

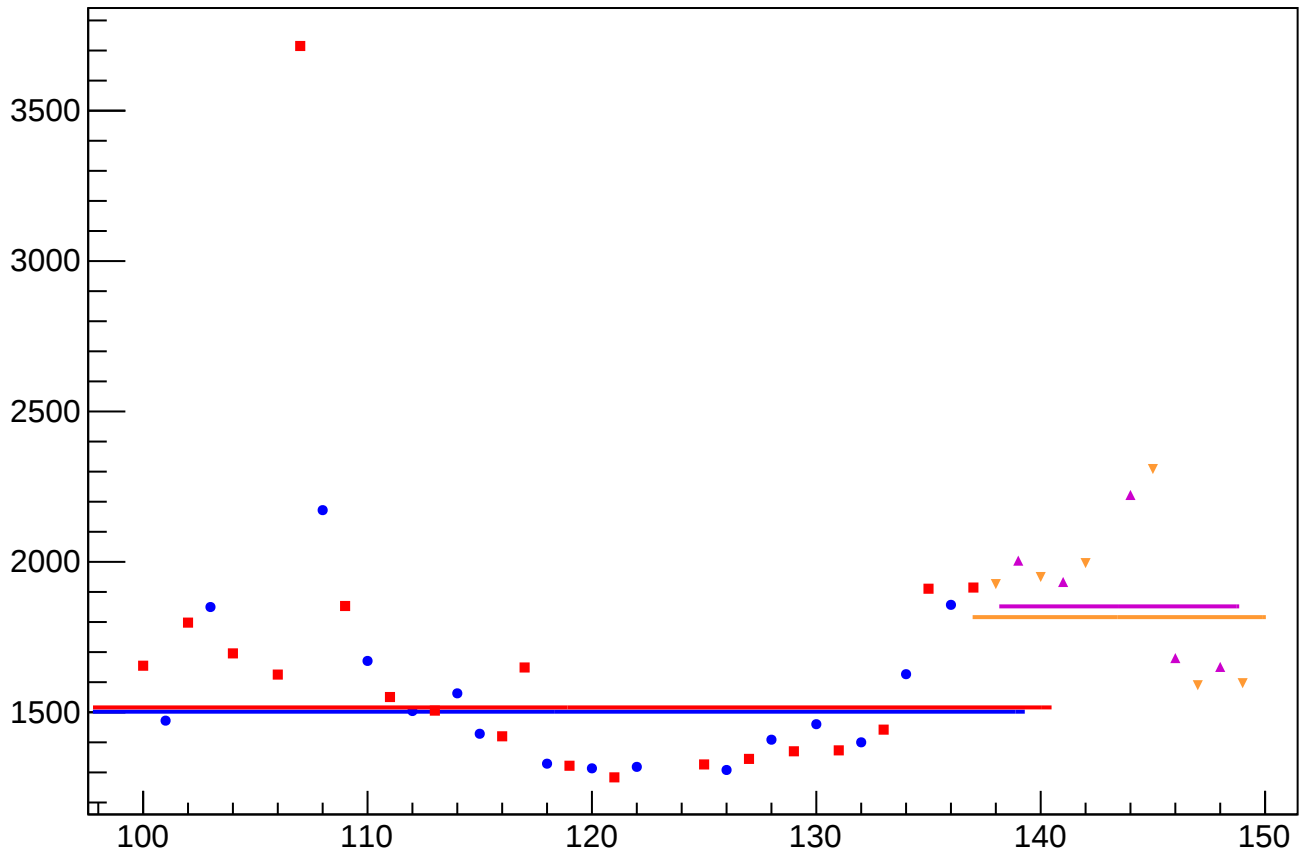
Left In: 692.226 ± 926.875 $\chi^2/\text{NDF}: 2.0/4$

1841.636 ± 490.037 $\chi^2/\text{NDF}: 18.2/21$

1686.086 ± 347.415 $\chi^2/\text{NDF}: 44.1/45$

1528.899 ± 492.610 $\chi^2/\text{NDF}: 25.7/23$

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1816.286 $\pm$ 0.625 χ^2 /NDF: 150747.7/5

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

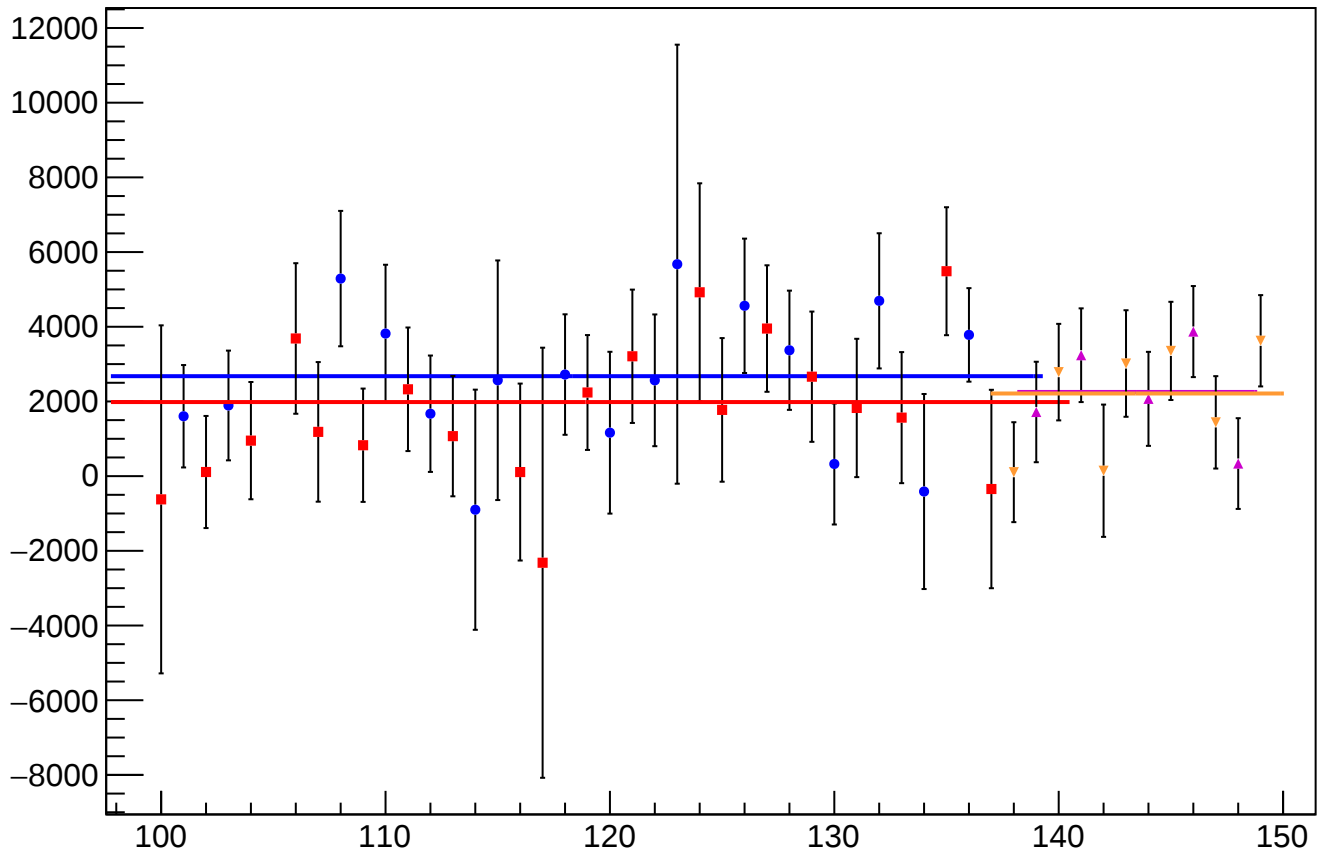
Left In: 1852.010 $\pm$ 0.655 χ^2 /NDF: 99821.5/4

1598.689 $\pm$ 0.347 χ^2 /NDF: 580639.6/21

1604.813 $\pm$ 0.246 χ^2 /NDF: 1349870.0/45

1611.002 $\pm$ 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: 2213.029 $\pm$ 508.402 χ^2 /NDF: 6.8/6

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

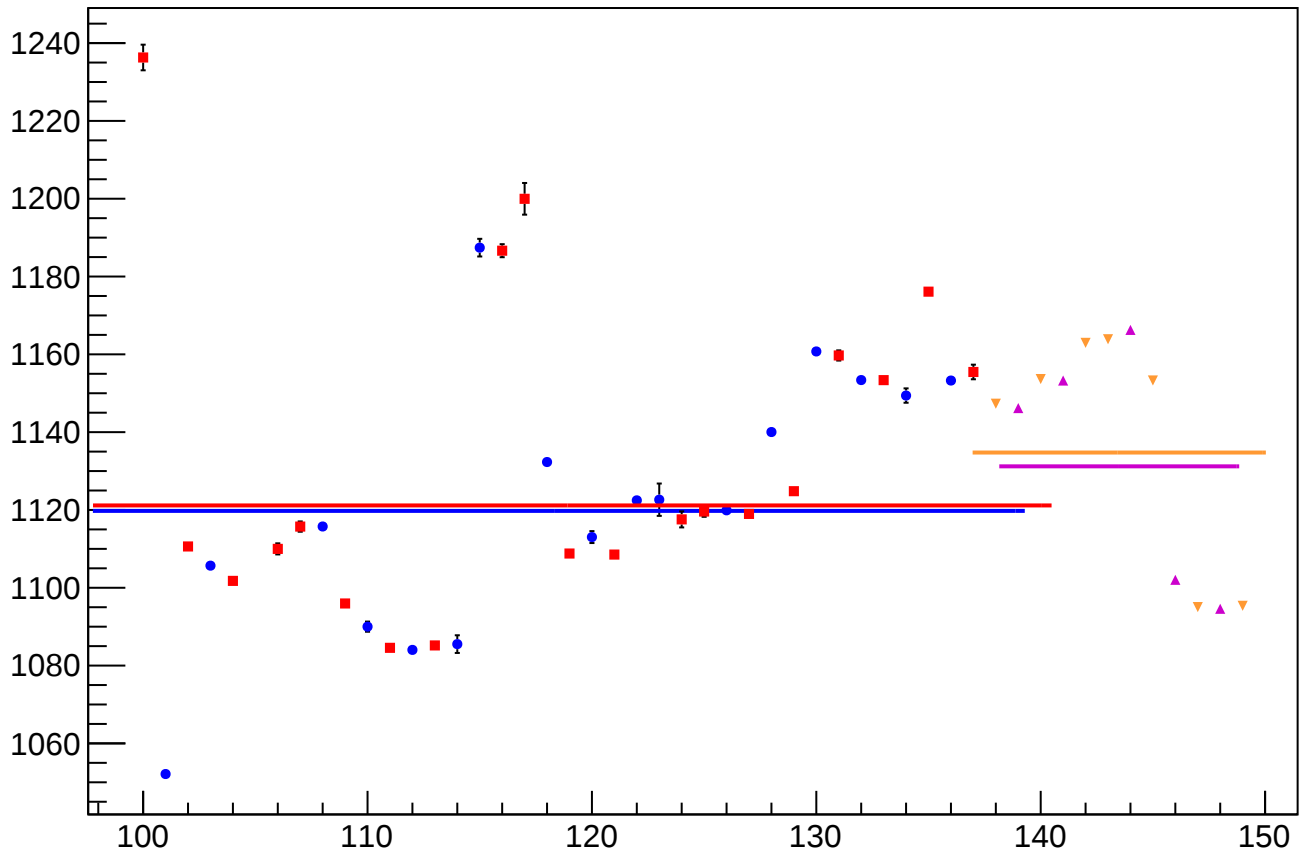
Left In: 2254.199 $\pm$ 561.745 χ^2 /NDF: 5.0/4

2481.452 $\pm$ 329.901 χ^2 /NDF: 19.9/23

2284.112 $\pm$ 235.187 χ^2 /NDF: 39.2/48

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: 1134.761 $\pm$ 0.359 χ^2 /NDF: 6480.0/6

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

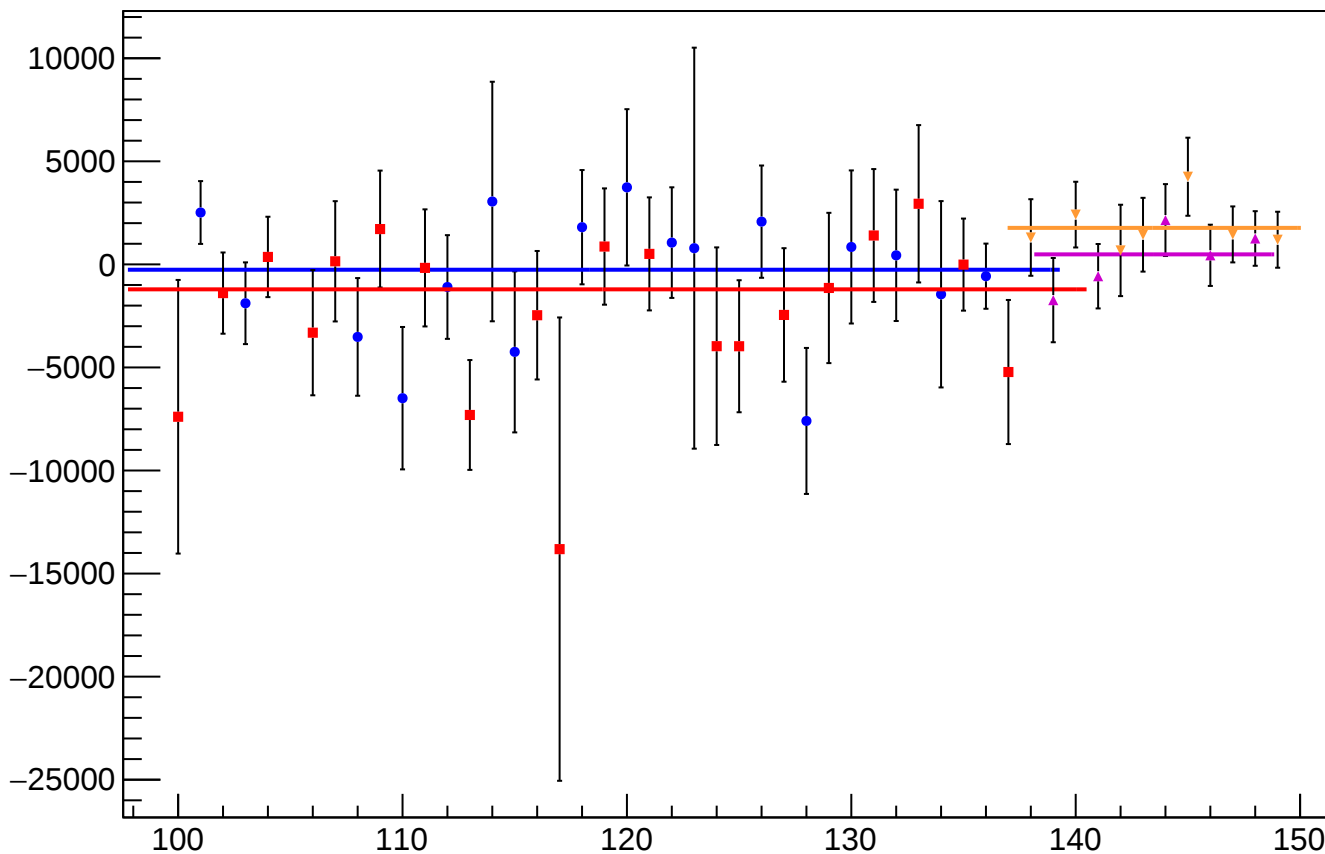
Left In: 1131.212 $\pm$ 0.397 χ^2 /NDF: 5378.6/4

1126.078 $\pm$ 0.233 χ^2 /NDF: 19364.6/23

1125.422 $\pm$ 0.166 χ^2 /NDF: 35481.9/48

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

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -259.821 $\pm$ 655.275 χ^2/NDF : 17.2/16

Left Out: 1770.555 $\pm$ 624.685 χ^2/NDF : 2.5/6

Right Out: -1211.378 $\pm$ 661.281 χ^2/NDF : 15.7/19

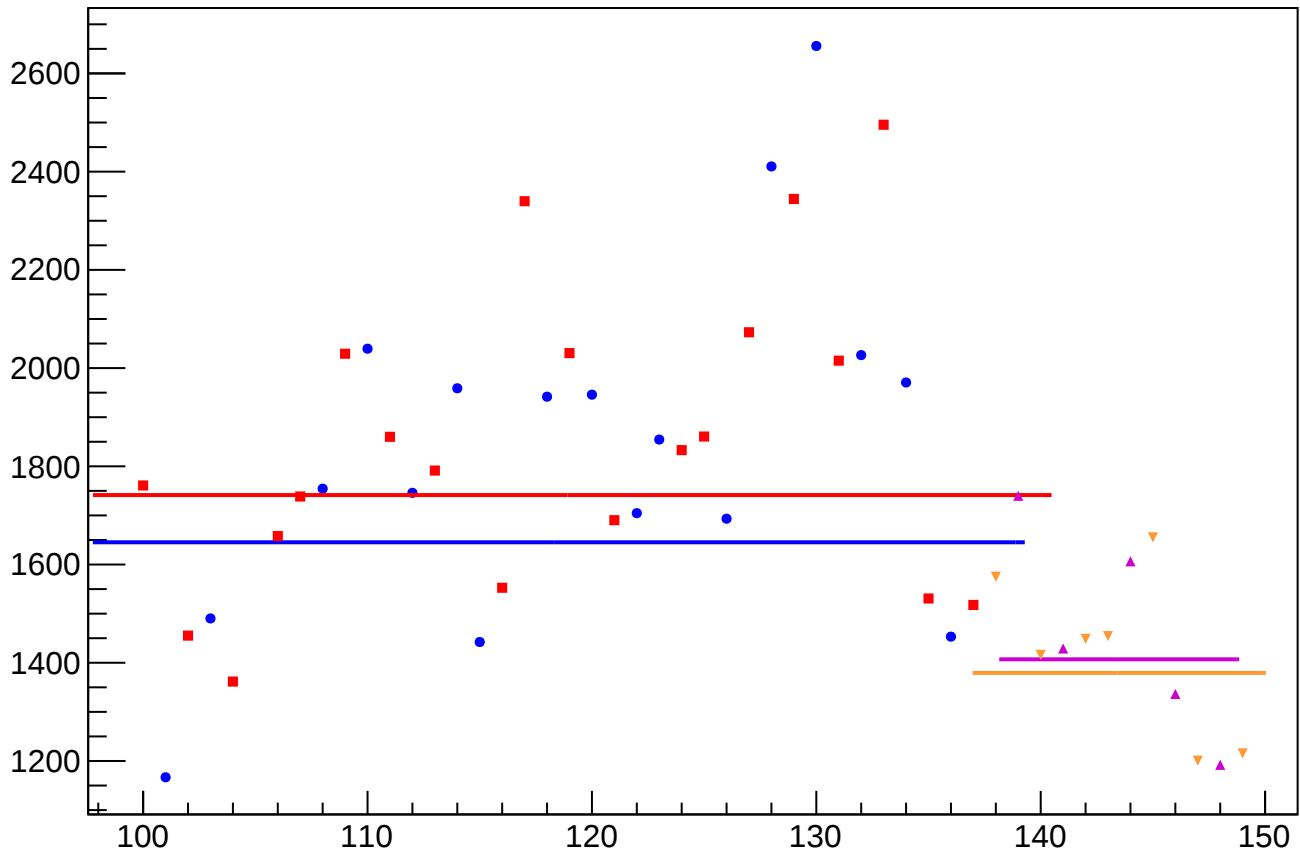
Left In: 485.639 $\pm$ 707.006 χ^2/NDF : 2.9/4

803.864 $\pm$ 452.147 χ^2/NDF : 24.7/23

232.433 $\pm$ 330.070 χ^2/NDF : 49.8/48

-419.517 $\pm$ 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: 1379.319 +/- 0.442 χ^2/NDF : 134962.7/6

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

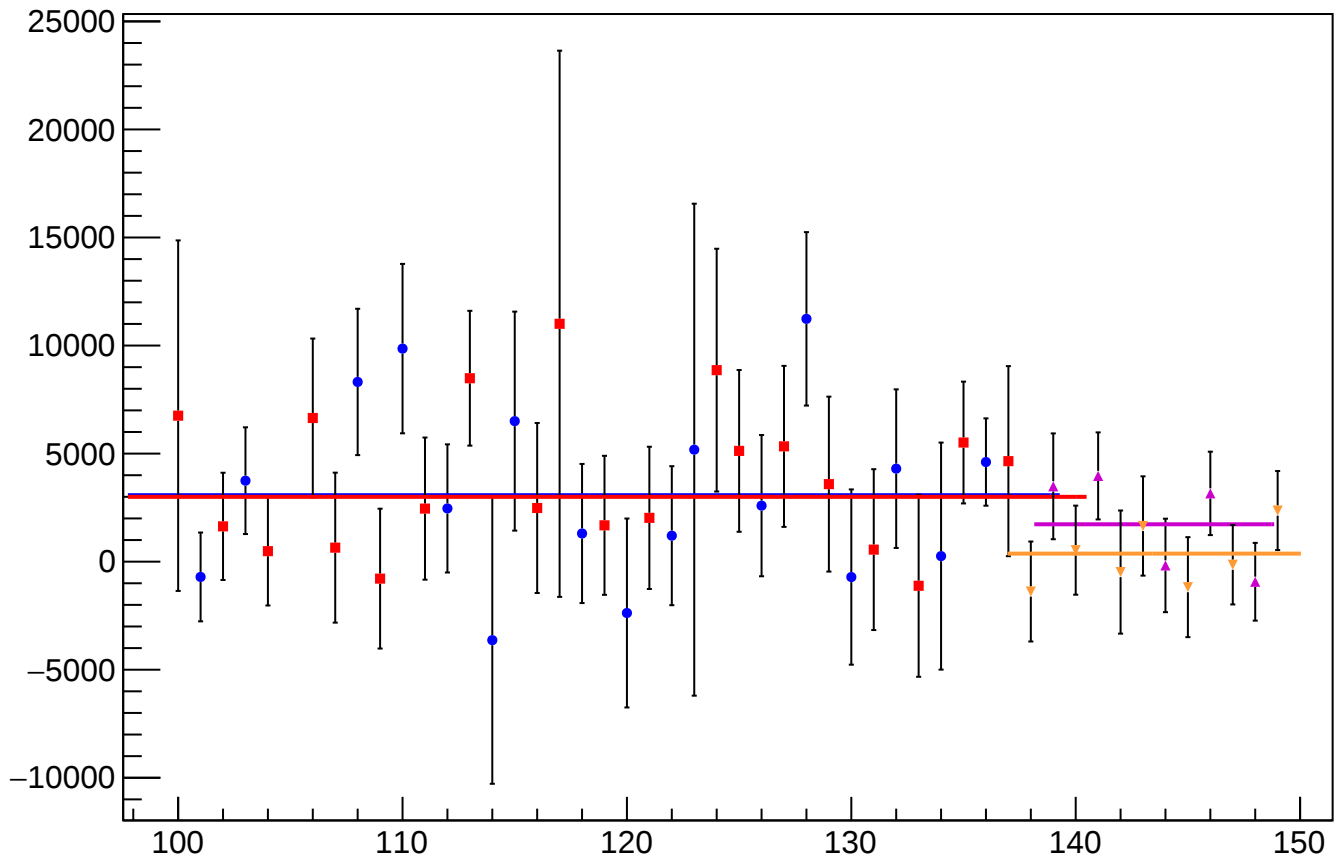
Left In: 1406.993 +/- 0.500 χ^2/NDF : 136759.0/4

1505.959 +/- 0.320 χ^2/NDF : 908518.2/23

1543.062 +/- 0.233 χ^2/NDF : 1689552.3/48

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: 372.515 $\pm$ 812.062 χ^2/NDF : 2.7/6

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

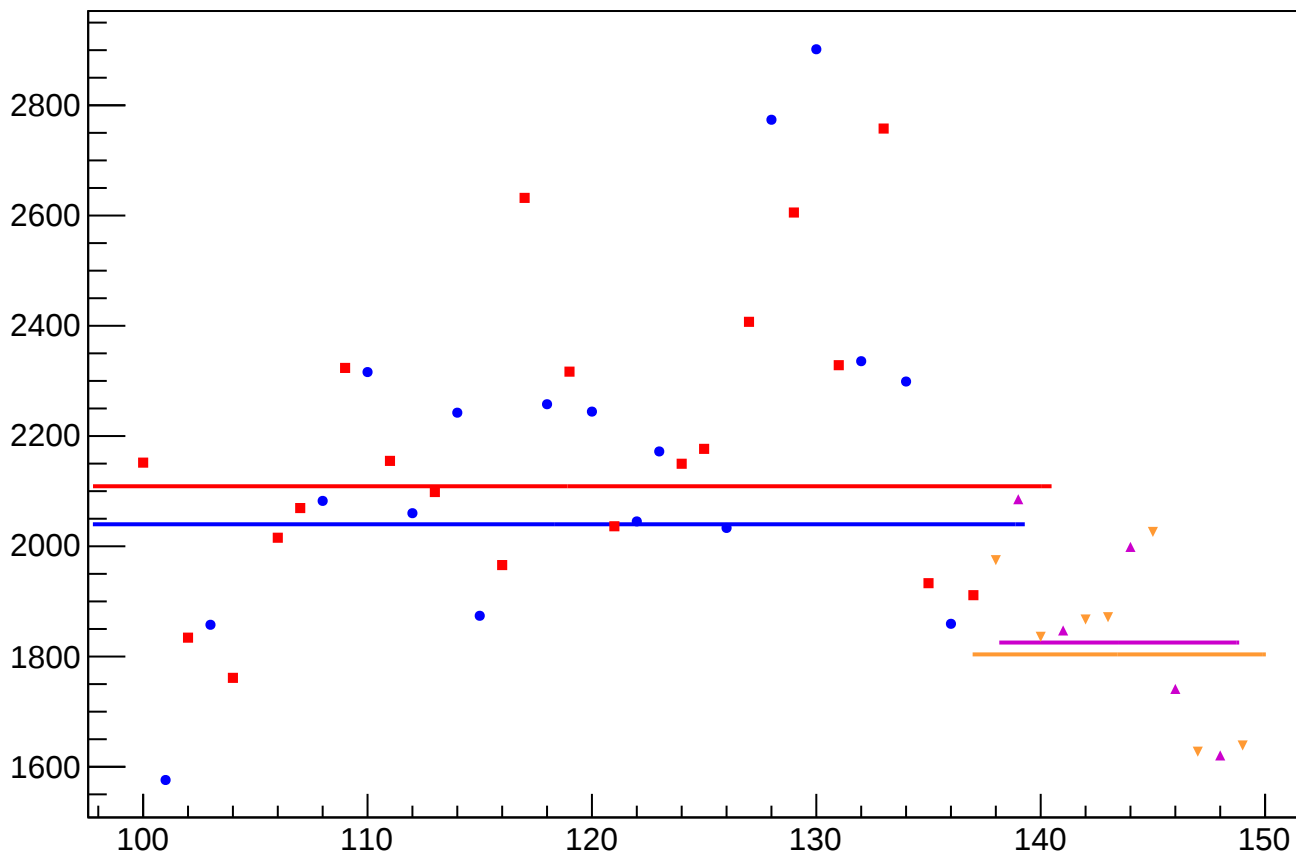
Left In: 1729.572 $\pm$ 911.140 χ^2/NDF : 5.3/4

1740.388 $\pm$ 570.714 χ^2/NDF : 26.9/23

2078.829 $\pm$ 413.072 χ^2/NDF : 46.3/48

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: 1803.892 $\pm$ 0.574 χ^2 /NDF: 67296.2/6

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

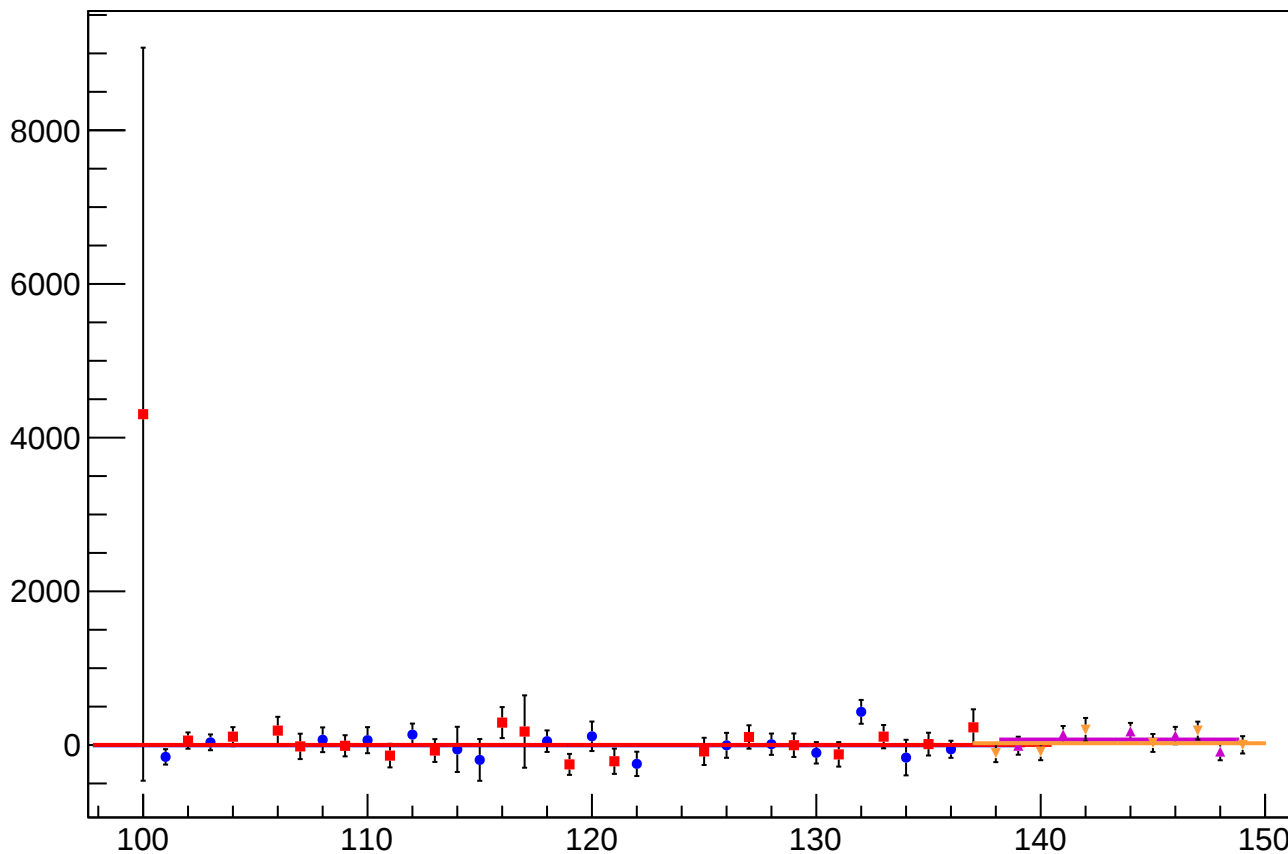
Left In: 1825.399 $\pm$ 0.644 χ^2 /NDF: 65370.2/4

1923.352 $\pm$ 0.404 χ^2 /NDF: 484802.2/23

1953.431 $\pm$ 0.292 χ^2 /NDF: 870780.3/48

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 $\chi^2/\text{NDF}: 16.1/15$

Left Out: 23.330 ± 48.679 $\chi^2/\text{NDF}: 5.5/5$

Right Out: 1.545 ± 36.588 $\chi^2/\text{NDF}: 14.1/18$

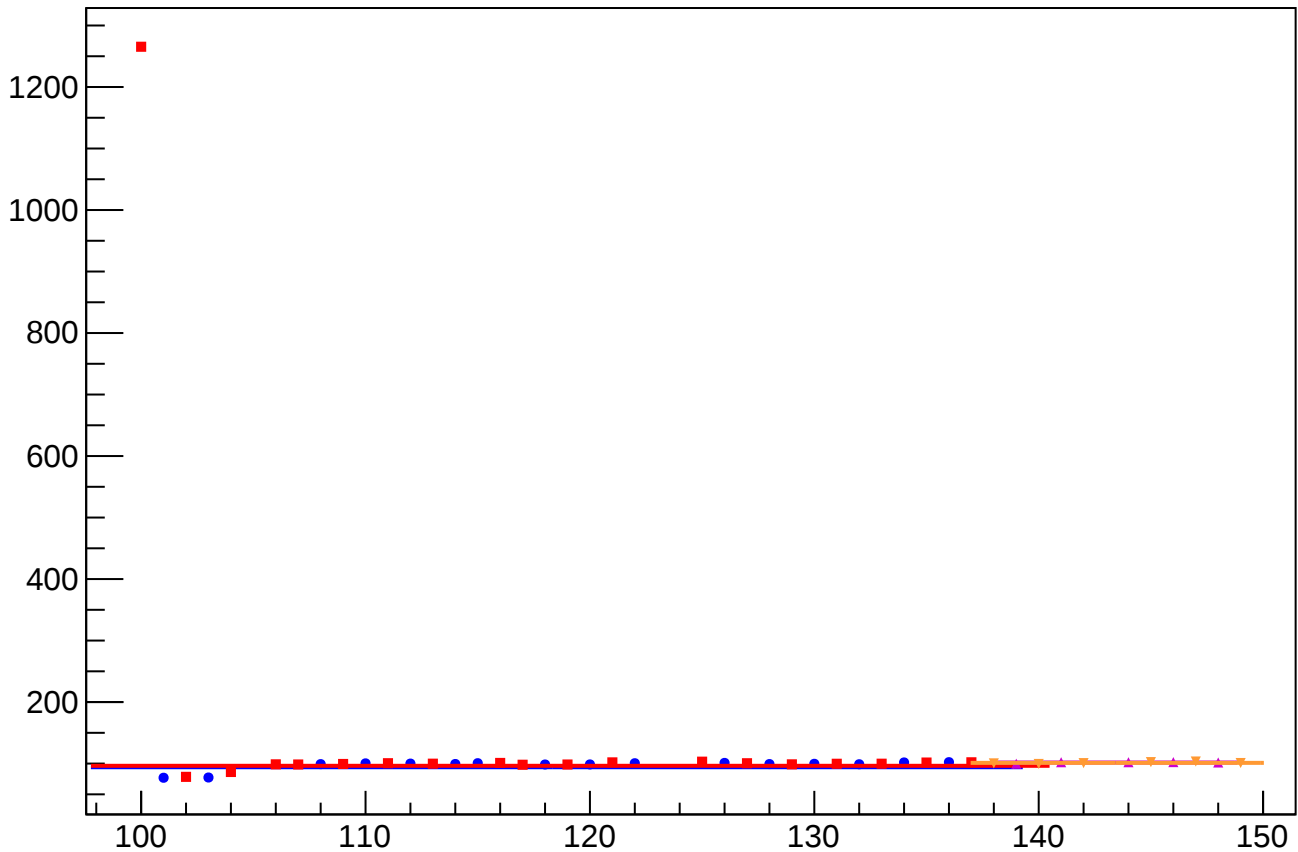
Left In: 71.324 ± 50.500 $\chi^2/\text{NDF}: 3.9/4$

6.367 ± 29.312 $\chi^2/\text{NDF}: 21.8/21$

15.863 ± 20.838 $\chi^2/\text{NDF}: 41.3/45$

25.565 ± 29.629 $\chi^2/\text{NDF}: 19.2/23$

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 101.165 $\pm$ 0.034 χ^2 /NDF:1549.5/5

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

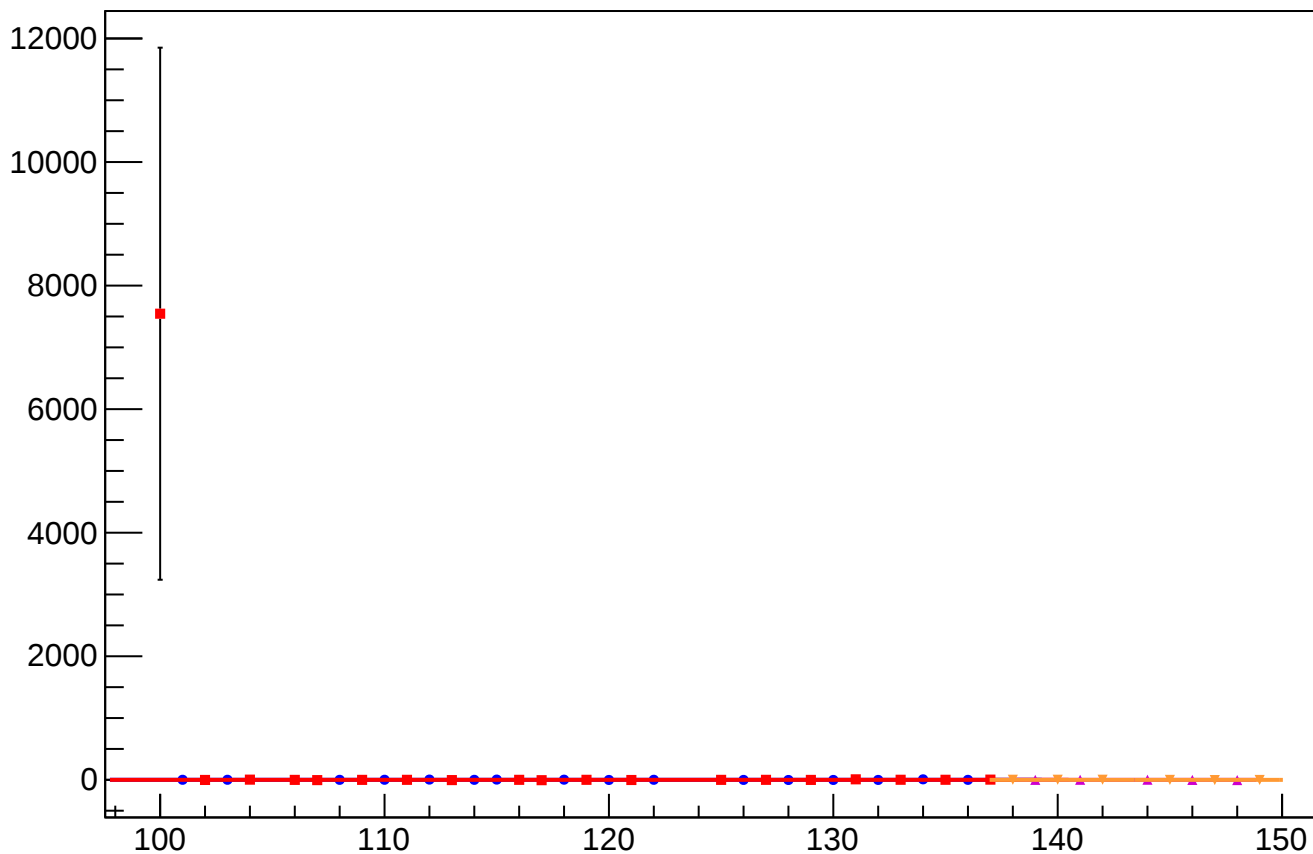
Left In: 101.722 $\pm$ 0.036 χ^2 /NDF:673.3/4

96.642 $\pm$ 0.021 χ^2 /NDF: 180932.4/21

97.423 $\pm$ 0.015 χ^2 /NDF: 408395.9/45

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

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.426 $\pm$ 0.616 χ^2/NDF : 9.7/15

Left Out: -0.682 $\pm$ 0.848 χ^2/NDF : 6.2/5

Right Out: -0.336 $\pm$ 0.641 χ^2/NDF : 23.1/18

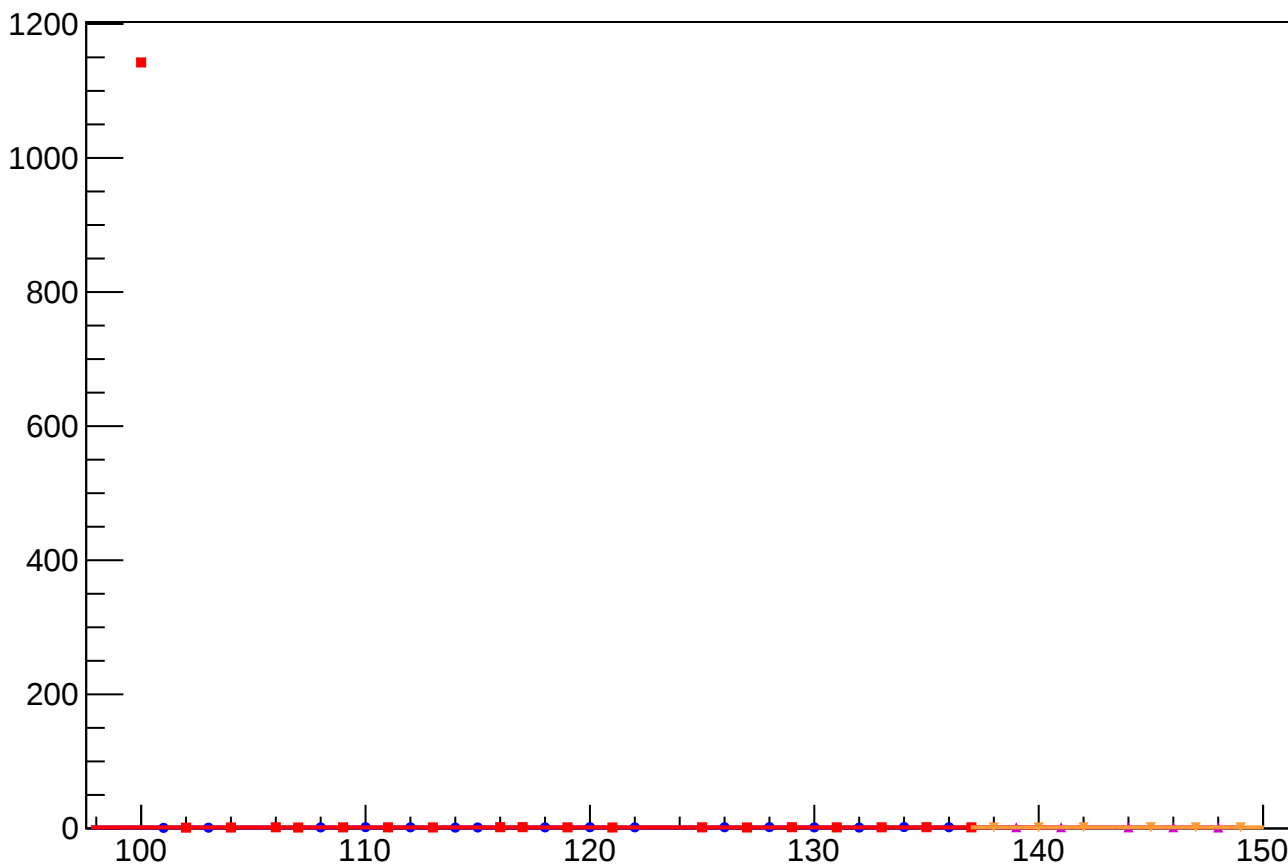
Left In: -0.747 $\pm$ 0.922 χ^2/NDF : 5.6/4

0.044 $\pm$ 0.498 χ^2/NDF : 17.1/21

-0.199 $\pm$ 0.362 χ^2/NDF : 46.4/45

-0.470 $\pm$ 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: 1.627+/-0.001 χ^2/NDF : 18527.9/5

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

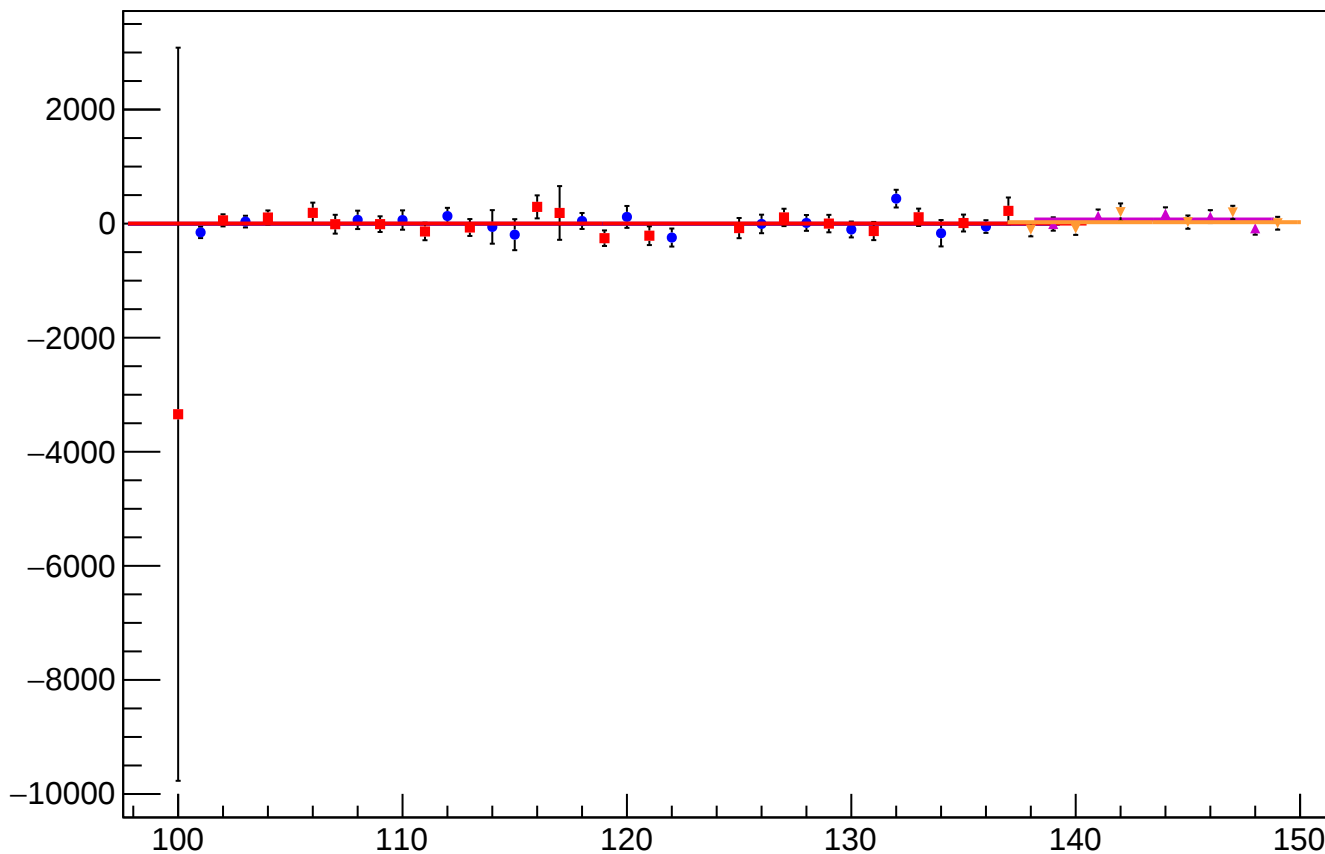
Left In: 1.729+/-0.001 χ^2/NDF : 51923.6/4

1.491+/-0.000 χ^2/NDF : 827974.4/21

1.549+/-0.000 χ^2/NDF : 1301620.6/45

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: 24.975+/-48.691 χ^2/NDF : 5.8/5

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

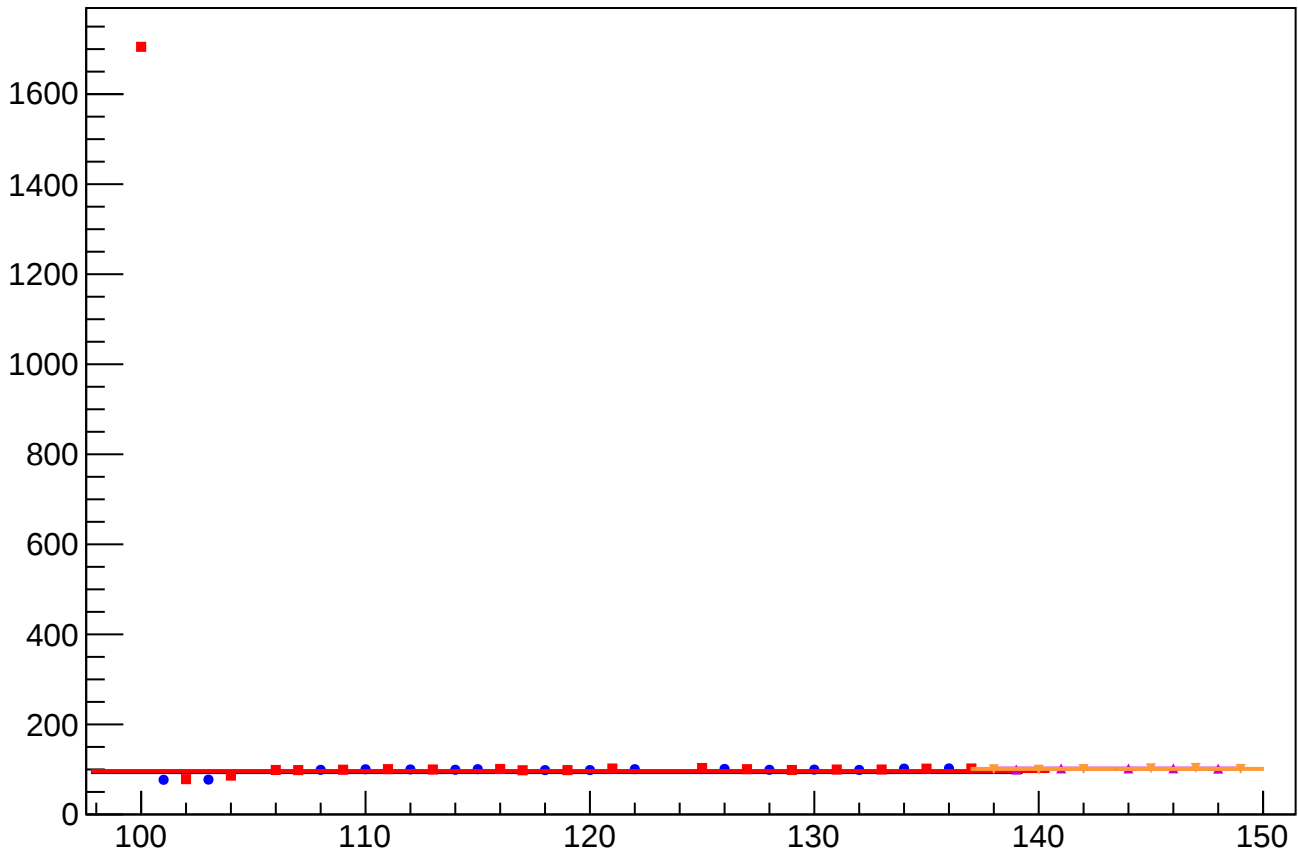
Left In: 71.896+/-50.513 χ^2/NDF : 3.7/4

7.080+/-29.319 χ^2/NDF : 22.3/21

16.241+/-20.843 χ^2/NDF : 41.1/45

25.601+/-29.637 χ^2/NDF : 18.7/23

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 101.192+/-0.034 χ^2/NDF : 1548.2/5

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

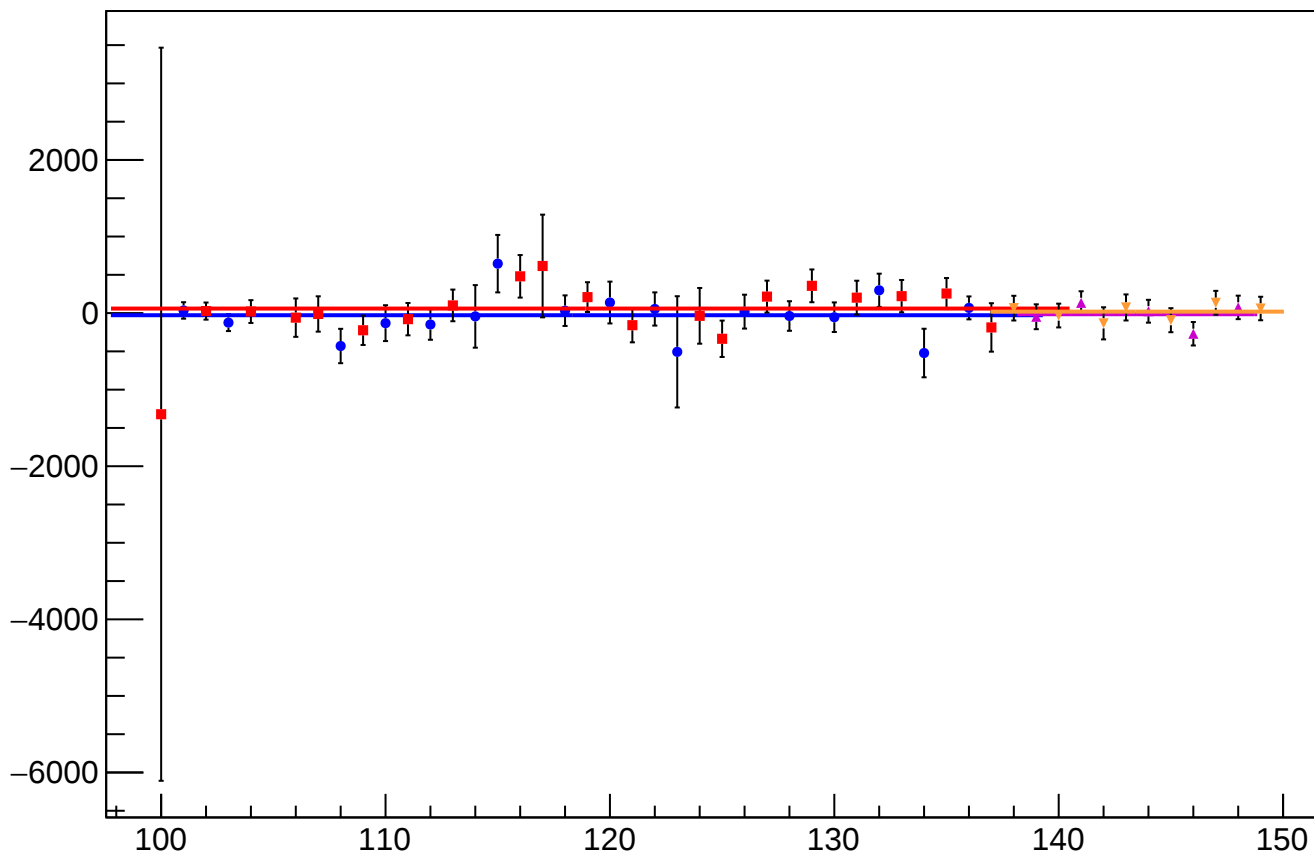
Left In: 101.750+/-0.036 χ^2/NDF : 673.1/4

96.667+/-0.021 χ^2/NDF : 180952.6/21

97.443+/-0.015 χ^2/NDF : 413607.9/45

98.236+/-0.021 χ^2/NDF : 229821.0/23

reg_asym_dsr_mean vs Slug, Sign Corrected



Right In: -27.840 $\pm$ 46.777 χ^2 /NDF: 14.3/16

Left Out: 19.129 $\pm$ 61.838 χ^2 /NDF: 2.0/6

Right Out: 59.211 $\pm$ 47.588 χ^2 /NDF: 15.6/19

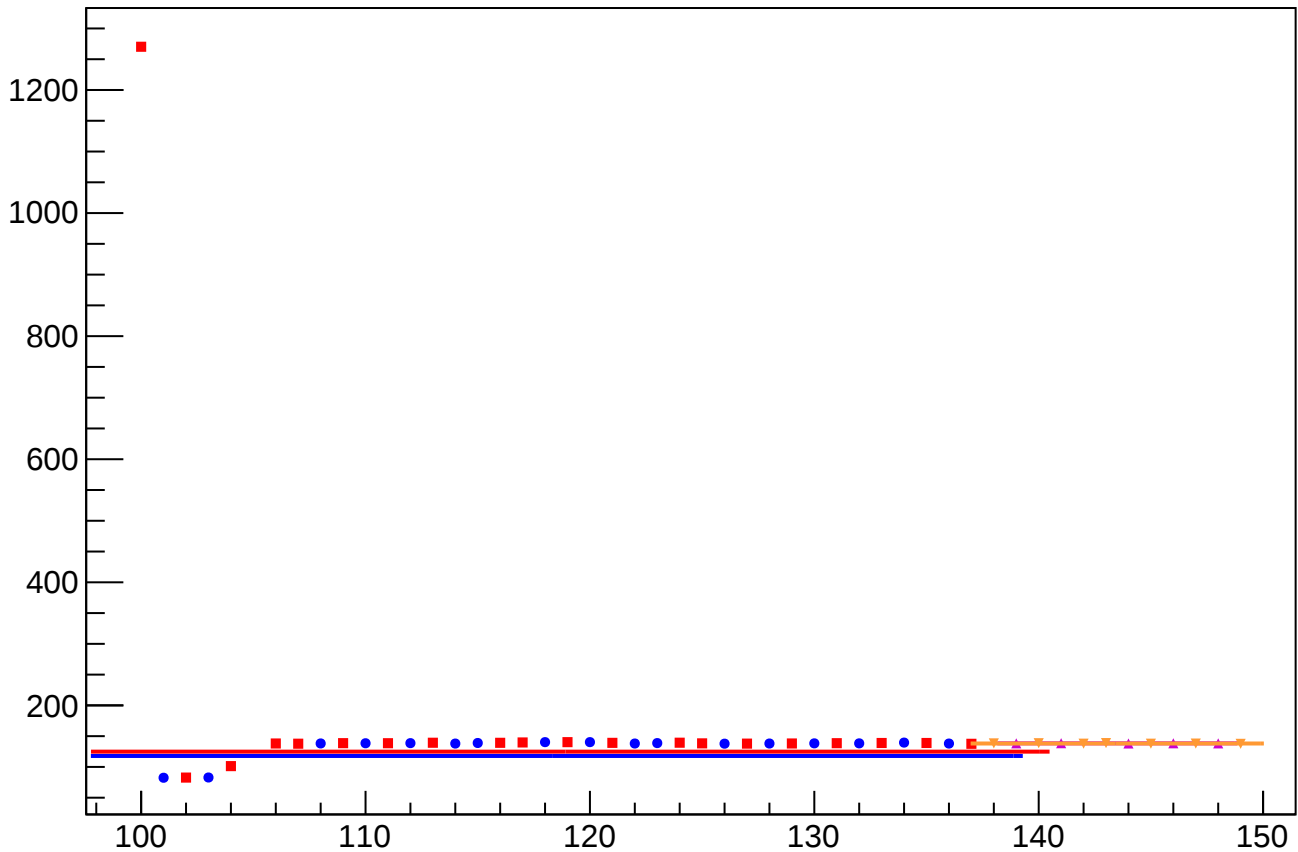
Left In: -14.833 $\pm$ 68.675 χ^2 /NDF: 4.2/4

-10.746 $\pm$ 37.306 χ^2 /NDF: 16.6/23

11.136 $\pm$ 26.996 χ^2 /NDF: 37.9/48

35.191 $\pm$ 39.115 χ^2 /NDF: 20.6/24

reg_asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.815+/-0.033 χ^2/NDF : 666581.7/16

Left Out: 138.069+/-0.044 χ^2/NDF : 92.2/6

Right Out: 124.839+/-0.034 χ^2/NDF : 570766.0/19

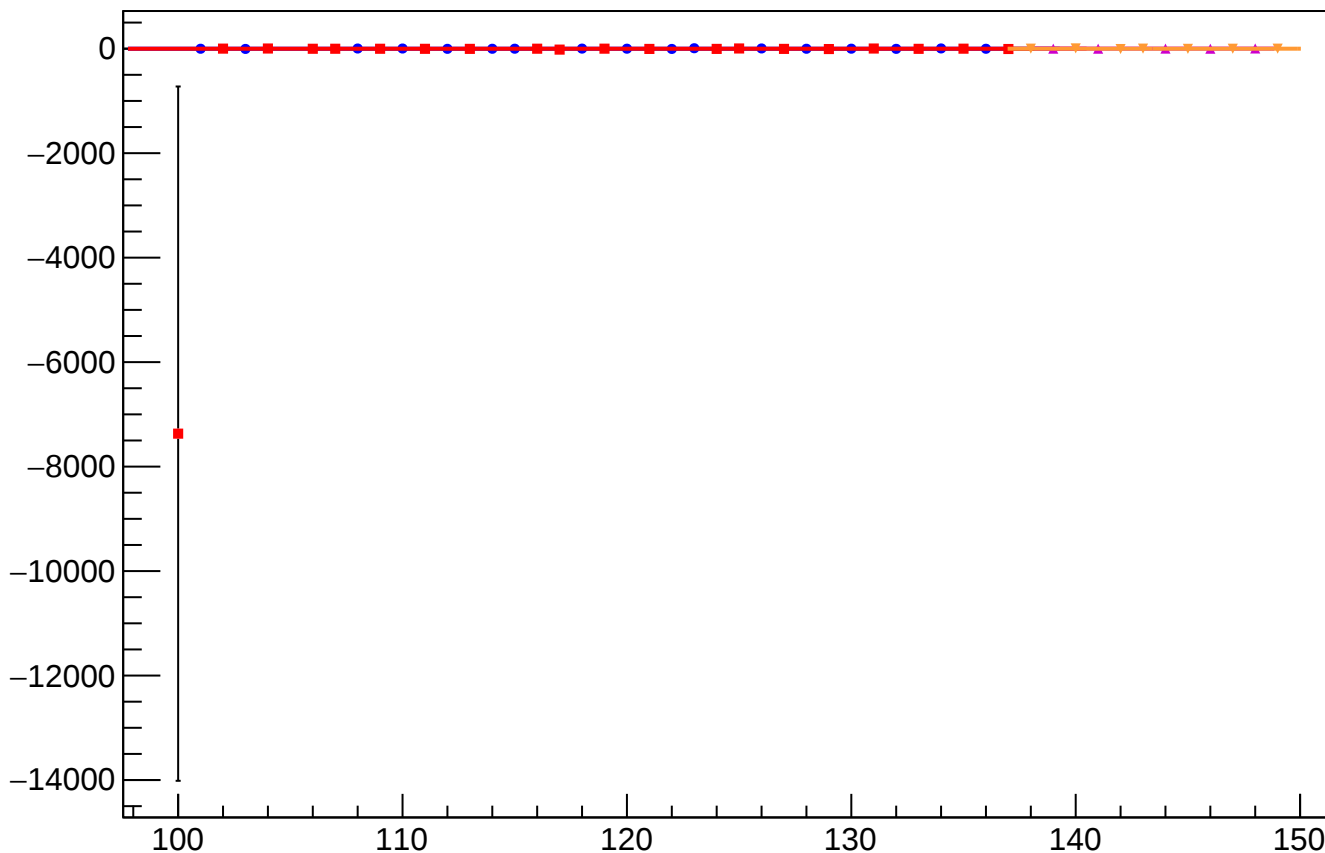
Left In: 138.332+/-0.049 χ^2/NDF : 10.1/4

125.186+/-0.026 χ^2/NDF : 803136.9/23

127.106+/-0.019 χ^2/NDF : 1437192.0/48

129.216+/-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: 0.052+/-1.038 χ^2/NDF : 7.8/6

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

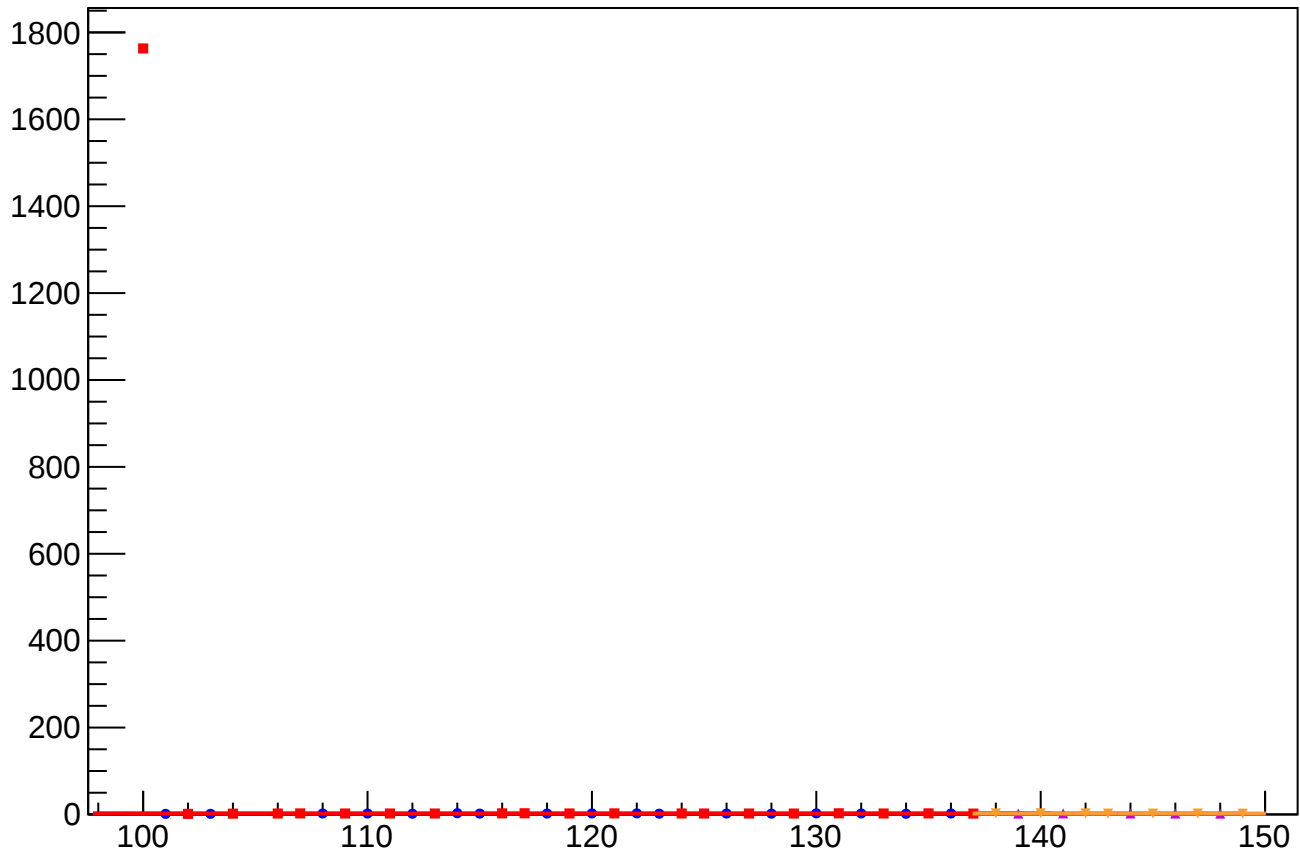
Left In: 1.547+/-1.180 χ^2/NDF : 2.1/4

-0.413+/-0.639 χ^2/NDF : 20.8/23

-0.197+/-0.469 χ^2/NDF : 40.9/48

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: 2.105 $\pm$ 0.001 χ^2 /NDF:133680.8/6

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

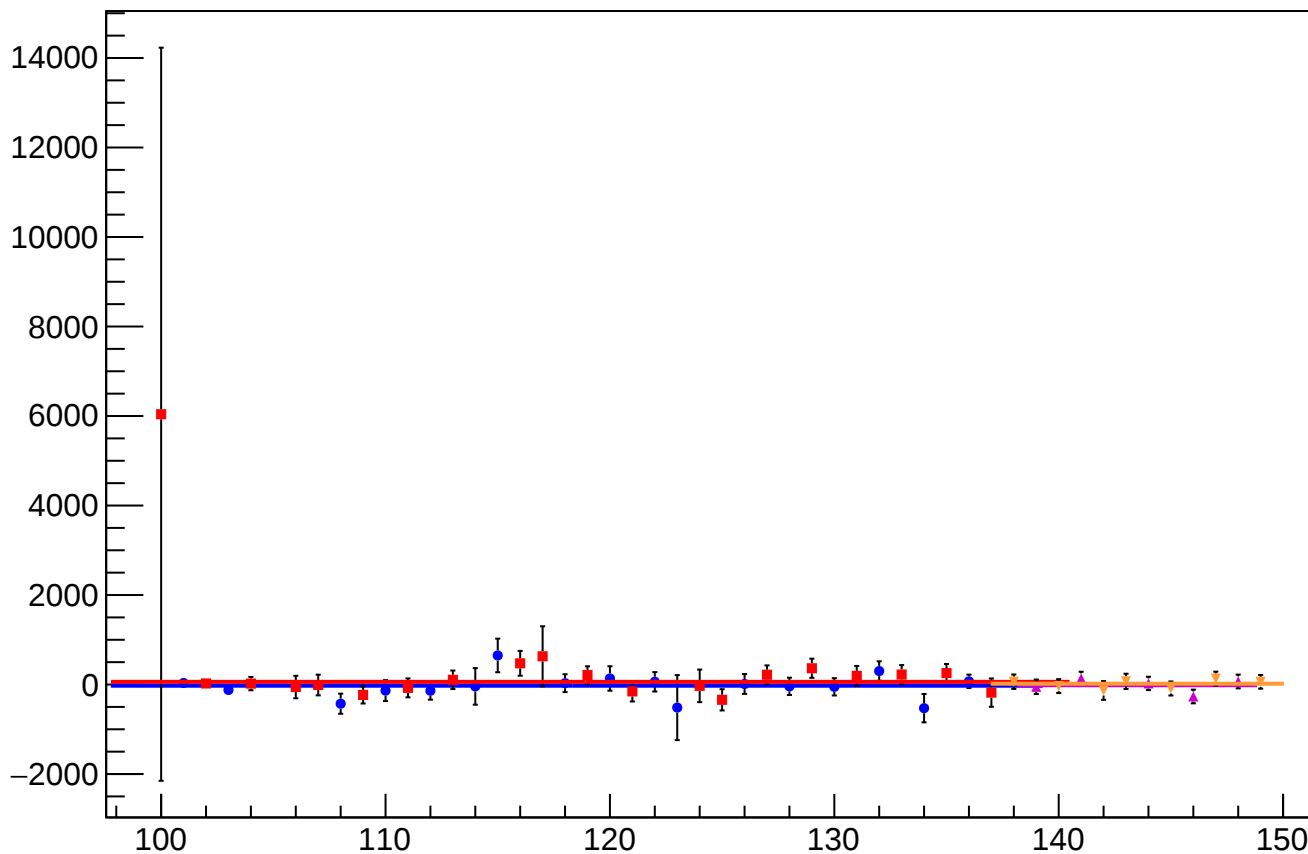
Left In: 2.164 $\pm$ 0.001 χ^2 /NDF:53005.9/4

1.958 $\pm$ 0.000 χ^2 /NDF: 690777.3/23

2.024 $\pm$ 0.000 χ^2 /NDF: 1328736.6/48

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: 18.700+/-61.855 χ^2/NDF : 1.9/6

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

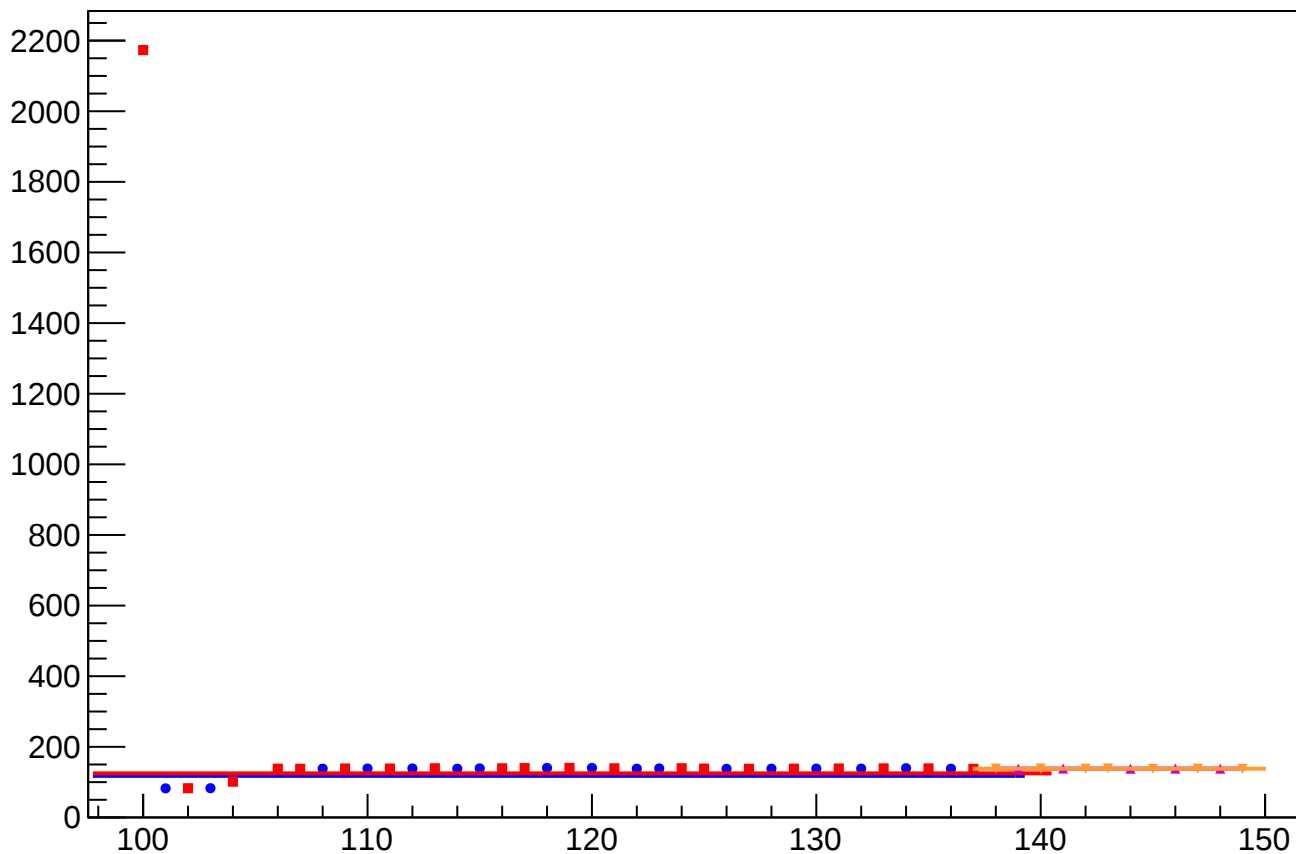
Left In: -15.738+/-68.693 χ^2/NDF : 4.1/4

-9.896+/-37.316 χ^2/NDF : 16.6/23

11.745+/-27.004 χ^2/NDF : 38.5/48

35.536+/-39.126 χ^2/NDF : 21.2/24

asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.847 ± 0.033 χ^2/NDF : 666622.8/16

Left Out: 138.105 ± 0.044 χ^2/NDF : 92.3/6

Right Out: 124.828 ± 0.034 χ^2/NDF : 581349.7/19

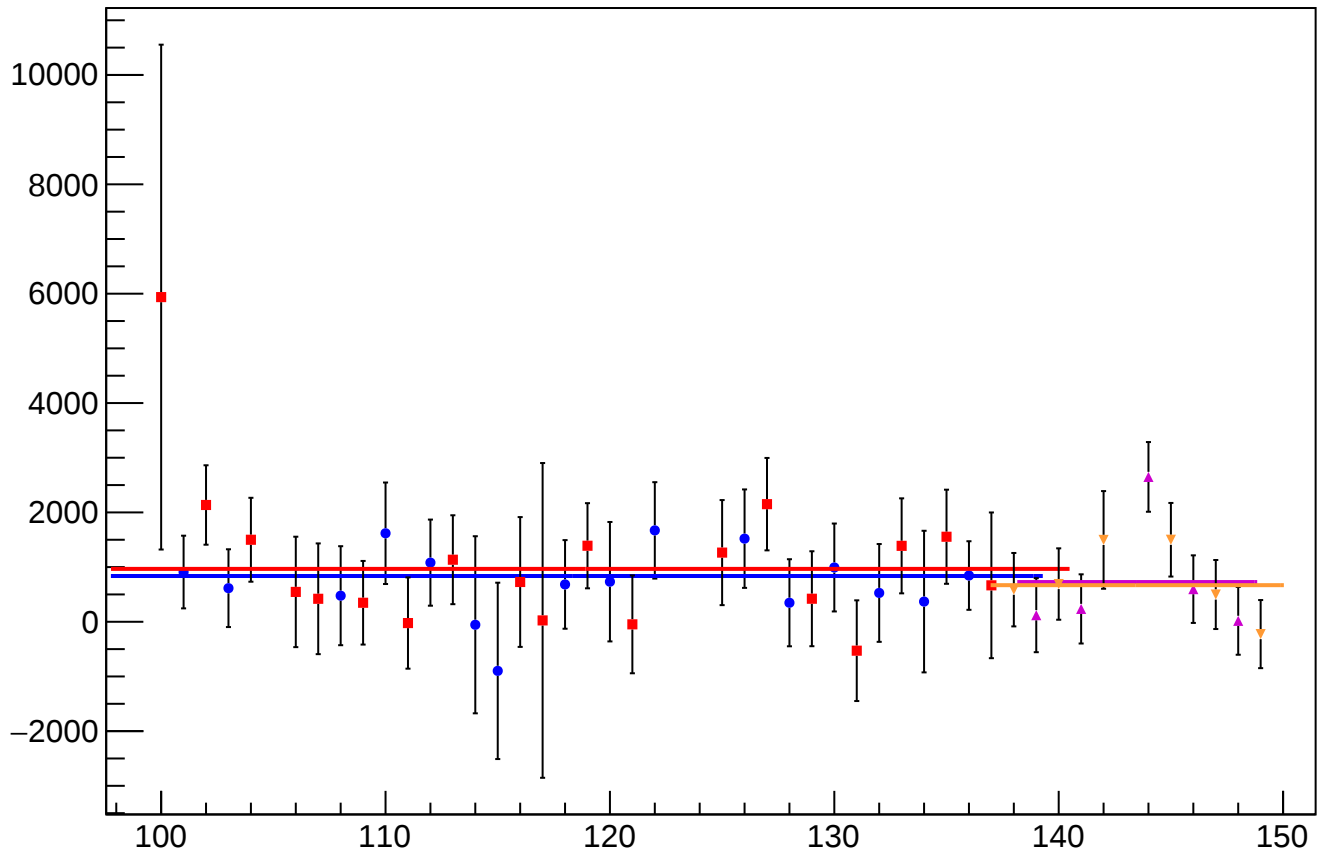
Left In: 138.368 ± 0.049 χ^2/NDF : 10.3/4

125.220 ± 0.026 χ^2/NDF : 803163.7/23

127.126 ± 0.019 χ^2/NDF : 1447972.6/48

129.221 ± 0.028 χ^2/NDF : 633855.9/24

reg_asym_left_avg_mean vs Slug, Sign Corrected



Right In: 837.048 ± 216.181 χ^2/NDF : 4.7/15

Left Out: 669.522 ± 276.126 χ^2/NDF : 4.5/5

Right Out: 967.277 ± 212.168 χ^2/NDF : 14.4/18

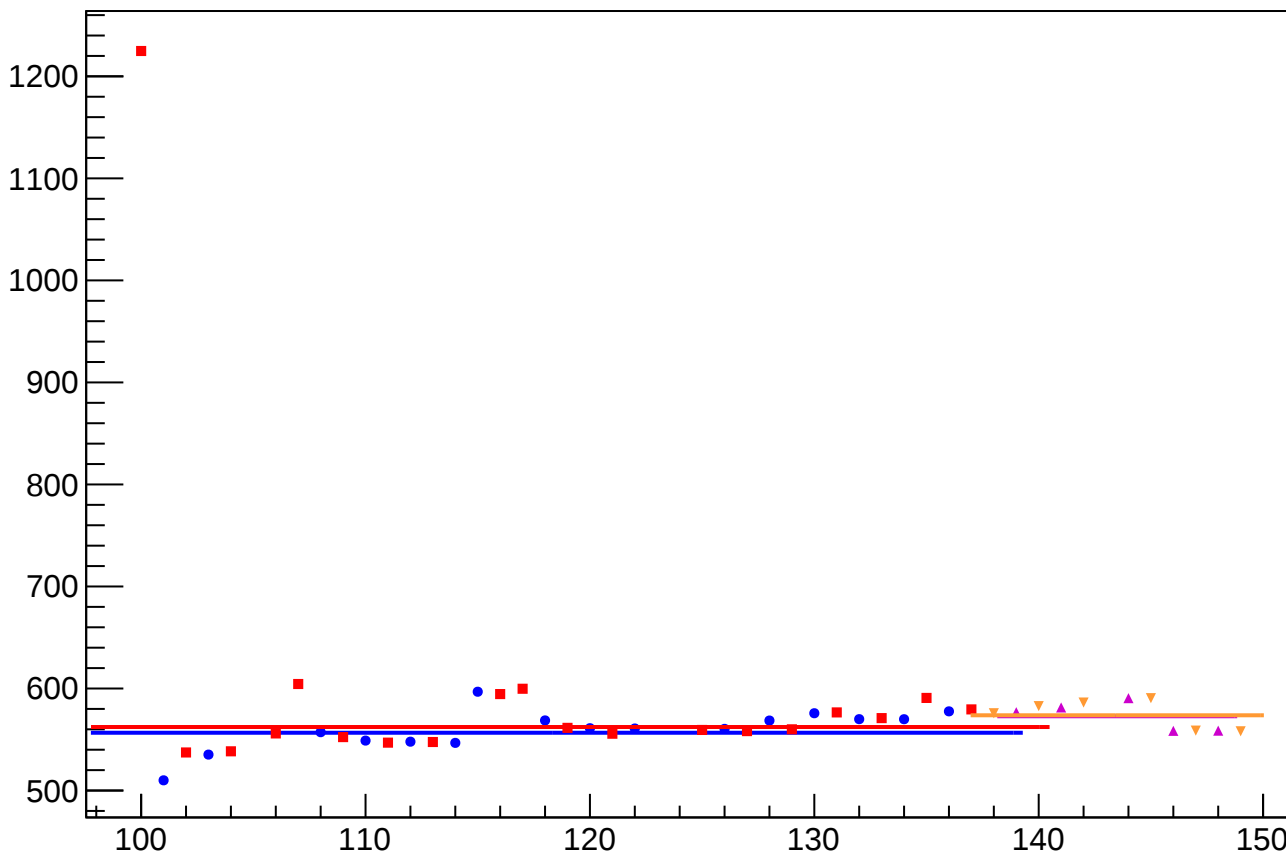
Left In: 726.462 ± 284.418 χ^2/NDF : 11.9/4

773.385 ± 170.219 χ^2/NDF : 9.5/21

827.332 ± 120.308 χ^2/NDF : 36.4/45

881.180 ± 170.062 χ^2/NDF : 26.7/23

reg_asym_left_avg_rms vs Slug, Sign Corrected



Right In: 556.637 ± 0.153 $\chi^2/\text{NDF}: 18391.7/15$

Left Out: 573.753 ± 0.195 $\chi^2/\text{NDF}: 4432.3/5$

Right Out: 562.253 ± 0.150 $\chi^2/\text{NDF}: 55916.7/18$

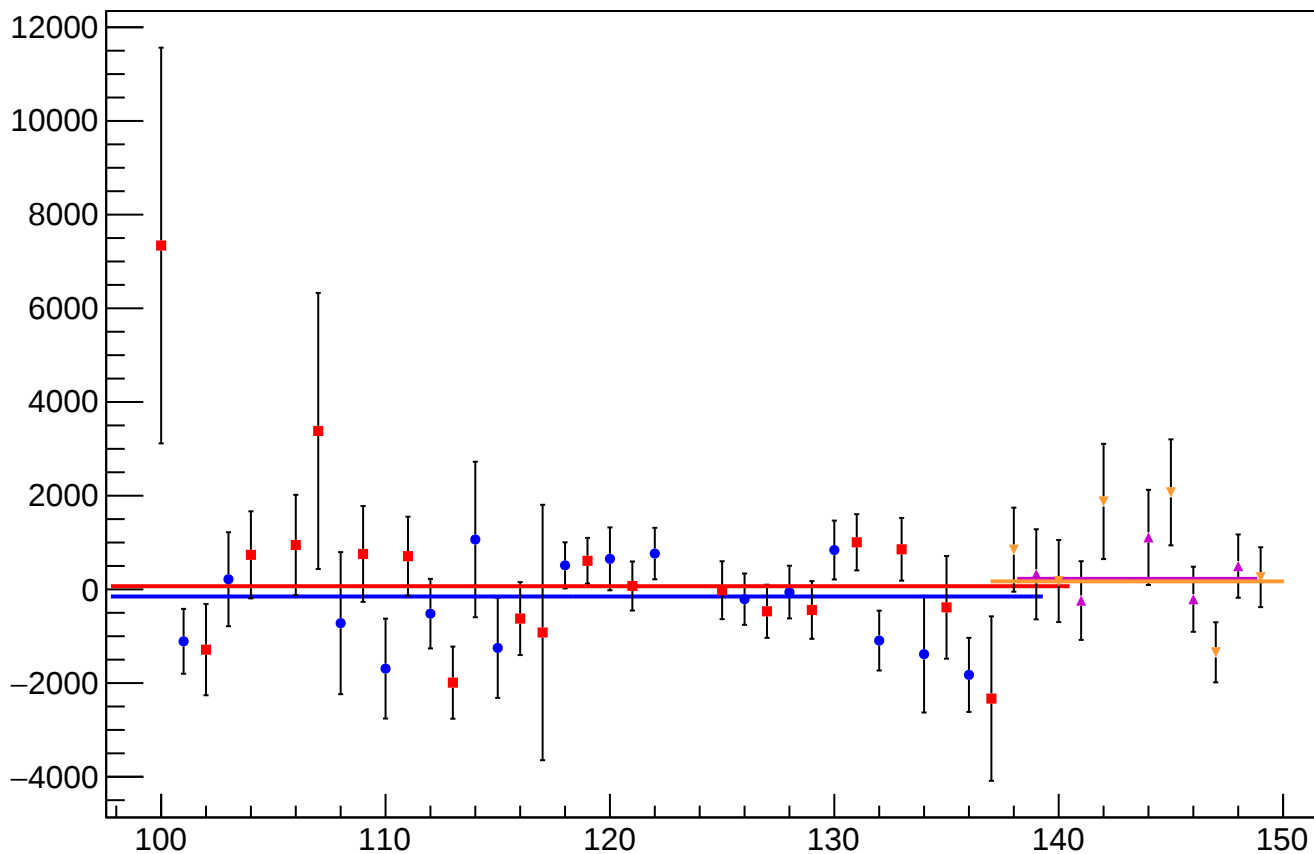
Left In: 572.790 ± 0.201 $\chi^2/\text{NDF}: 4095.8/4$

563.142 ± 0.120 $\chi^2/\text{NDF}: 27588.3/21$

564.582 ± 0.085 $\chi^2/\text{NDF}: 89650.7/45$

566.020 ± 0.120 $\chi^2/\text{NDF}: 61776.2/23$

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 171.043+/-335.770 χ^2/NDF : 10.9/5

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

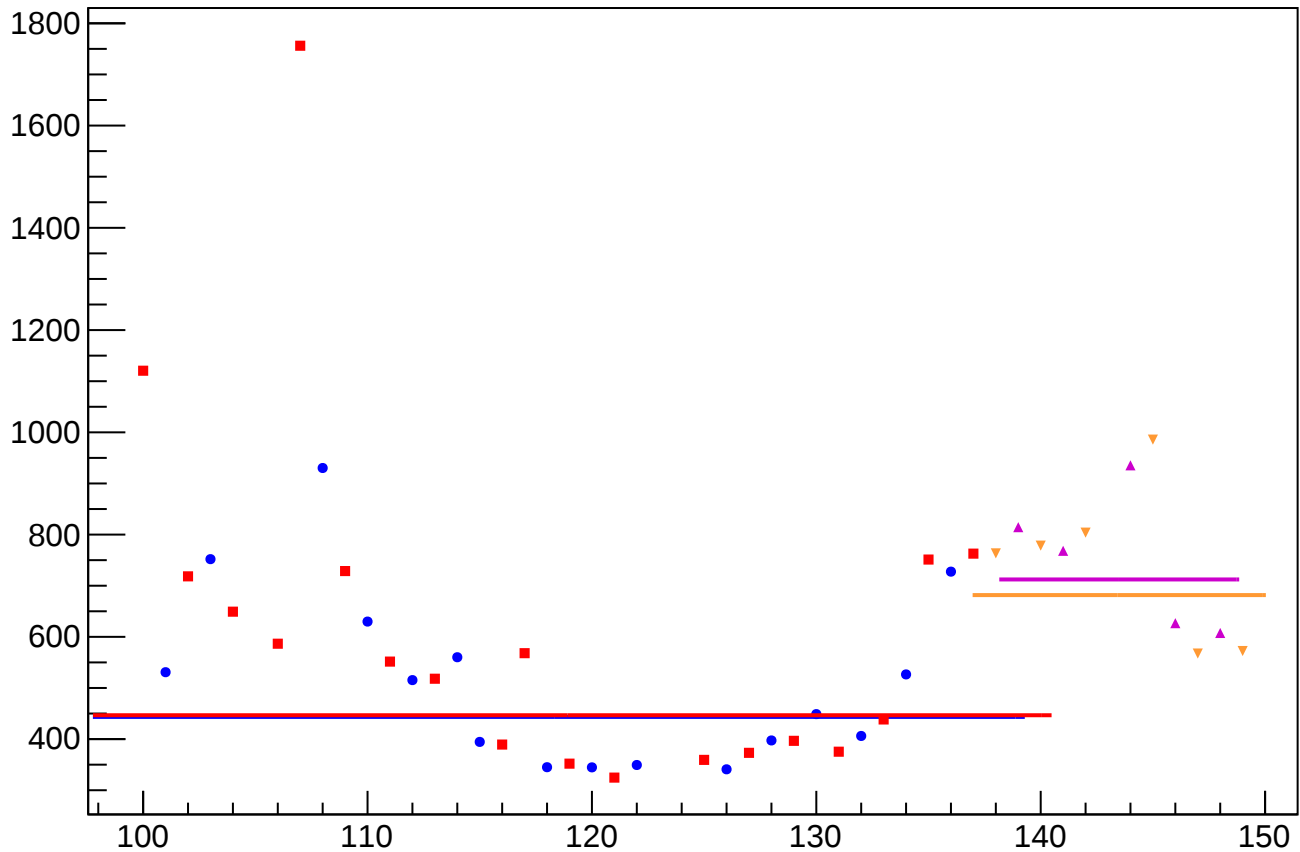
Left In: 224.830+/-359.678 χ^2/NDF : 1.6/4

-79.742+/-158.696 χ^2/NDF : 33.9/21

8.818+/-112.581 χ^2/NDF : 61.5/45

98.544+/-159.737 χ^2/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: 681.674 $\pm$ 0.237 χ^2/NDF : 327343.7/5

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

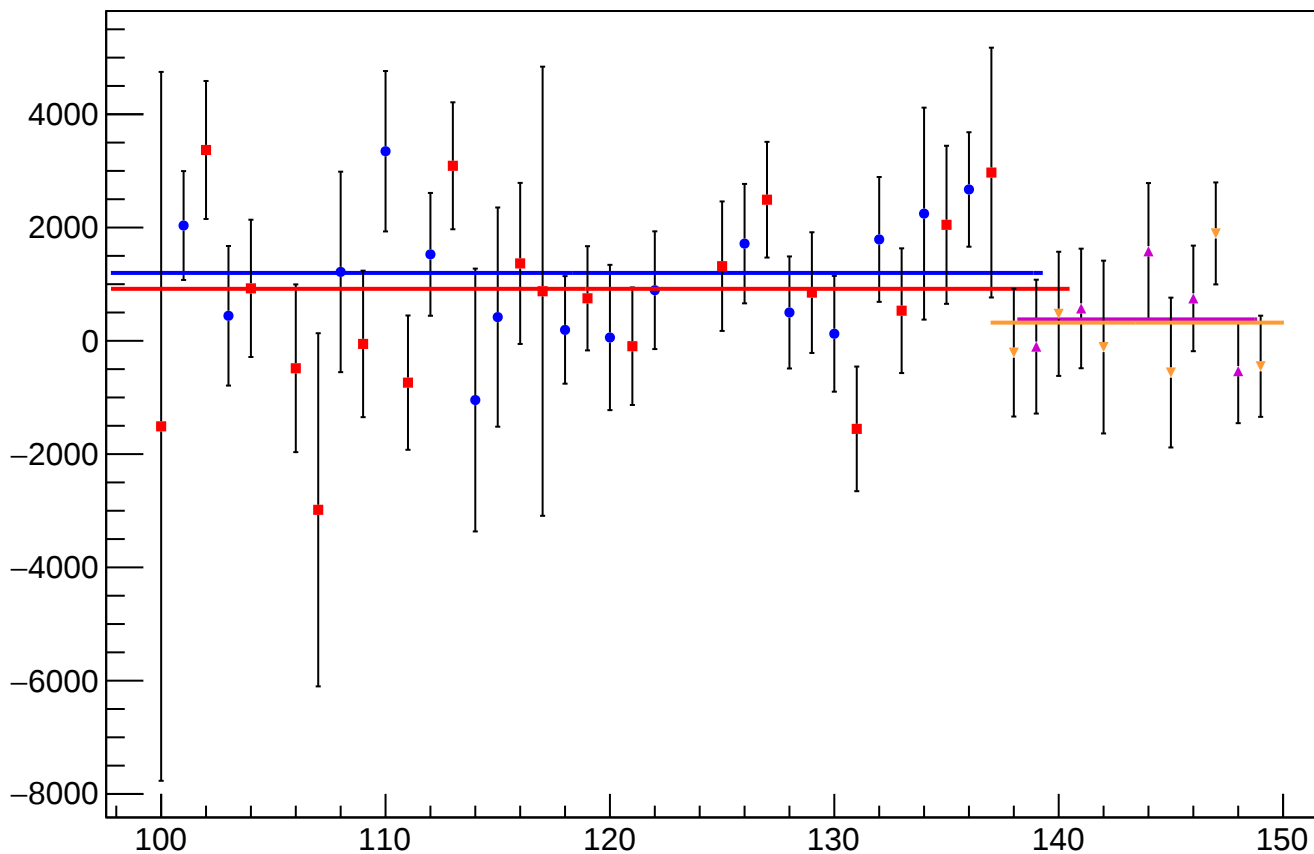
Left In: 712.250 $\pm$ 0.254 χ^2/NDF : 206386.0/4

496.665 $\pm$ 0.112 χ^2/NDF : 2170133.7/21

497.850 $\pm$ 0.080 χ^2/NDF : 4716074.2/45

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: 321.568 $\pm$ 442.498 χ^2/NDF : 4.6/5

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

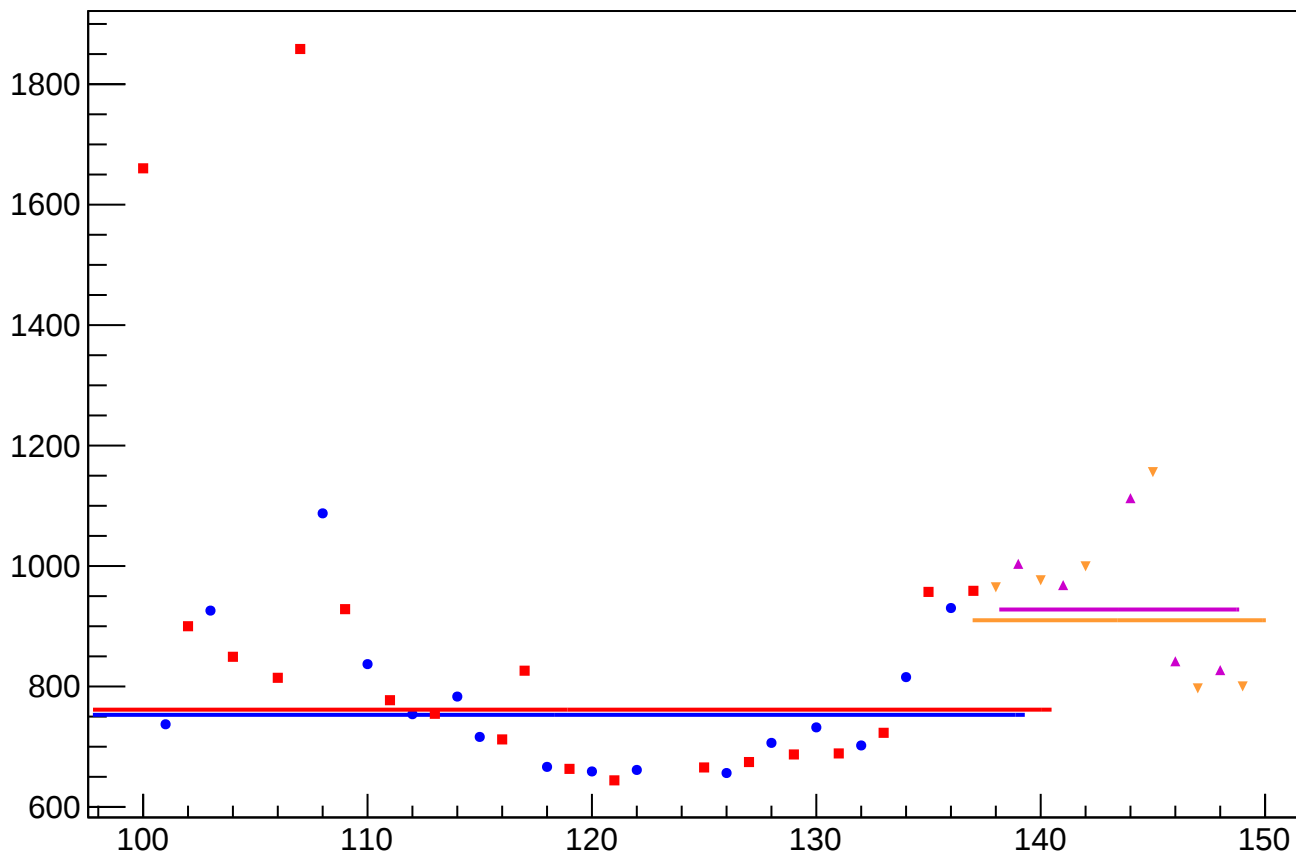
Left In: 378.472 $\pm$ 464.313 χ^2/NDF : 2.3/4

928.692 $\pm$ 245.594 χ^2/NDF : 18.5/21

847.399 $\pm$ 174.325 χ^2/NDF : 45.2/45

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

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 909.949 +/- 0.313 χ^2/NDF : 149895.4/5

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

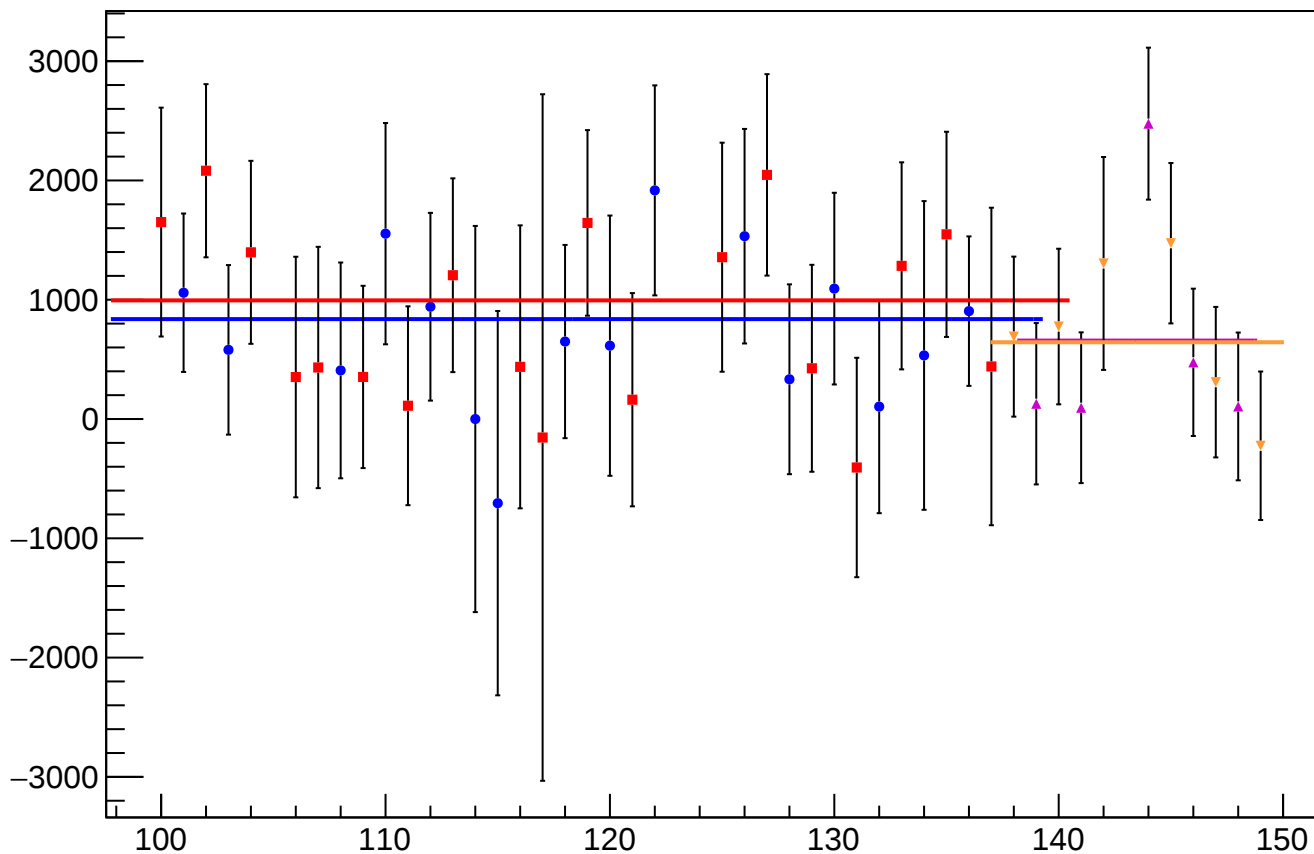
Left In: 927.796 +/- 0.328 χ^2/NDF : 99274.5/4

801.304 +/- 0.174 χ^2/NDF : 576661.2/21

805.001 +/- 0.123 χ^2/NDF : 1378154.5/45

808.755 +/- 0.175 χ^2/NDF : 800580.0/23

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 643.629 $\pm$ 275.909 χ^2 /NDF: 4.3/5

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

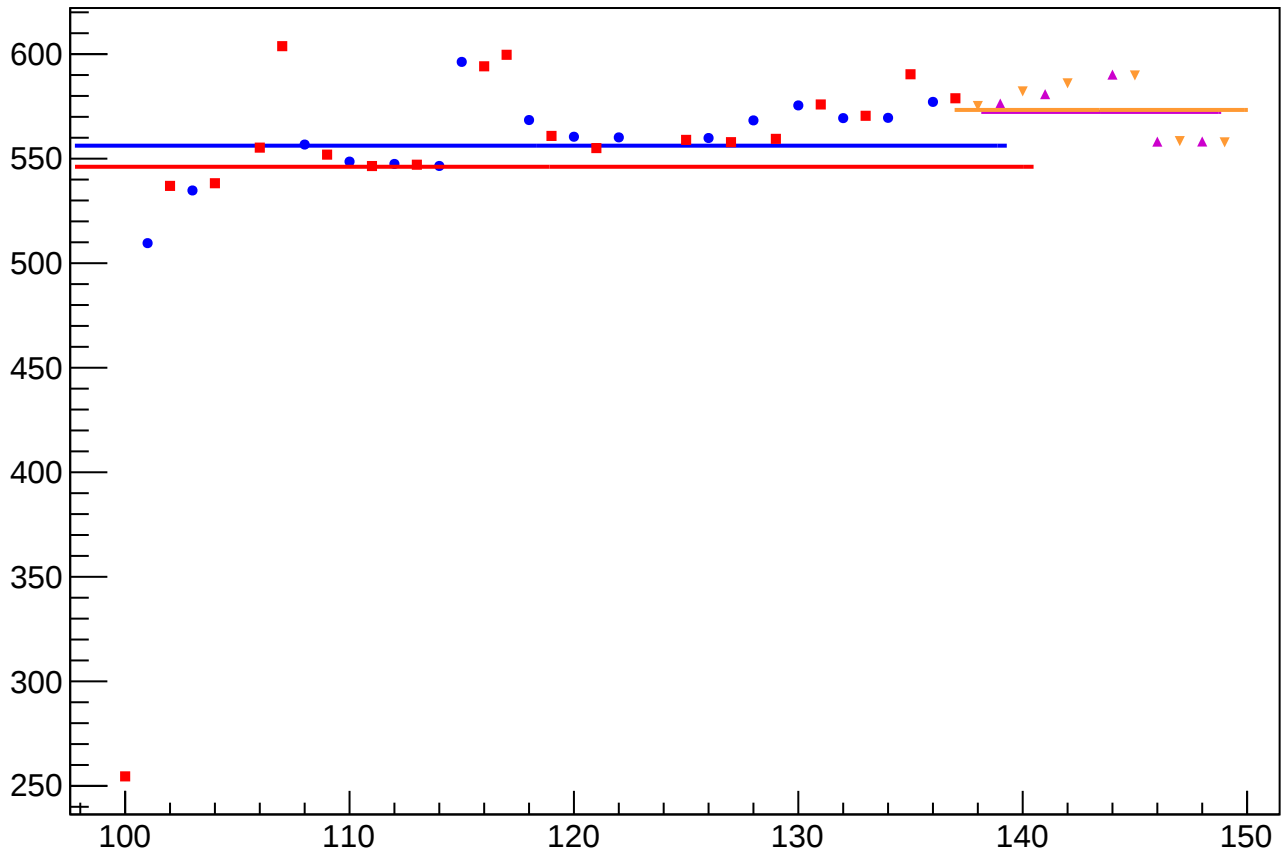
Left In: 657.513 $\pm$ 284.201 χ^2 /NDF: 10.4/4

763.860 $\pm$ 170.087 χ^2 /NDF: 10.4/21

821.636 $\pm$ 119.320 χ^2 /NDF: 34.6/45

877.622 $\pm$ 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: 573.306 ± 0.195 χ^2/NDF : 4352.7/5

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

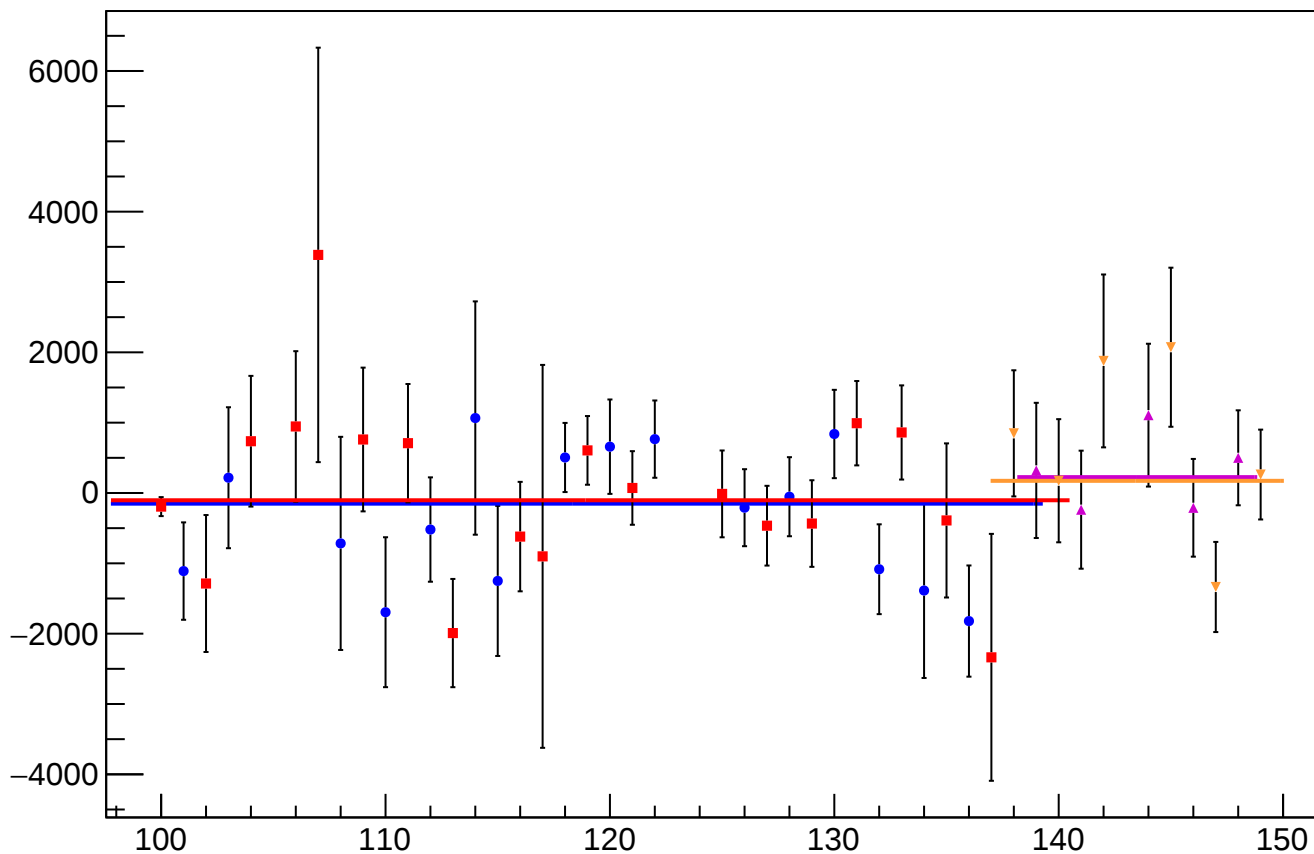
Left In: 572.354 ± 0.201 χ^2/NDF : 4102.6/4

562.707 ± 0.120 χ^2/NDF : 27530.3/21

558.908 ± 0.084 χ^2/NDF : 253057.0/45

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: 172.944+/-335.608 χ^2/NDF : 10.9/5

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

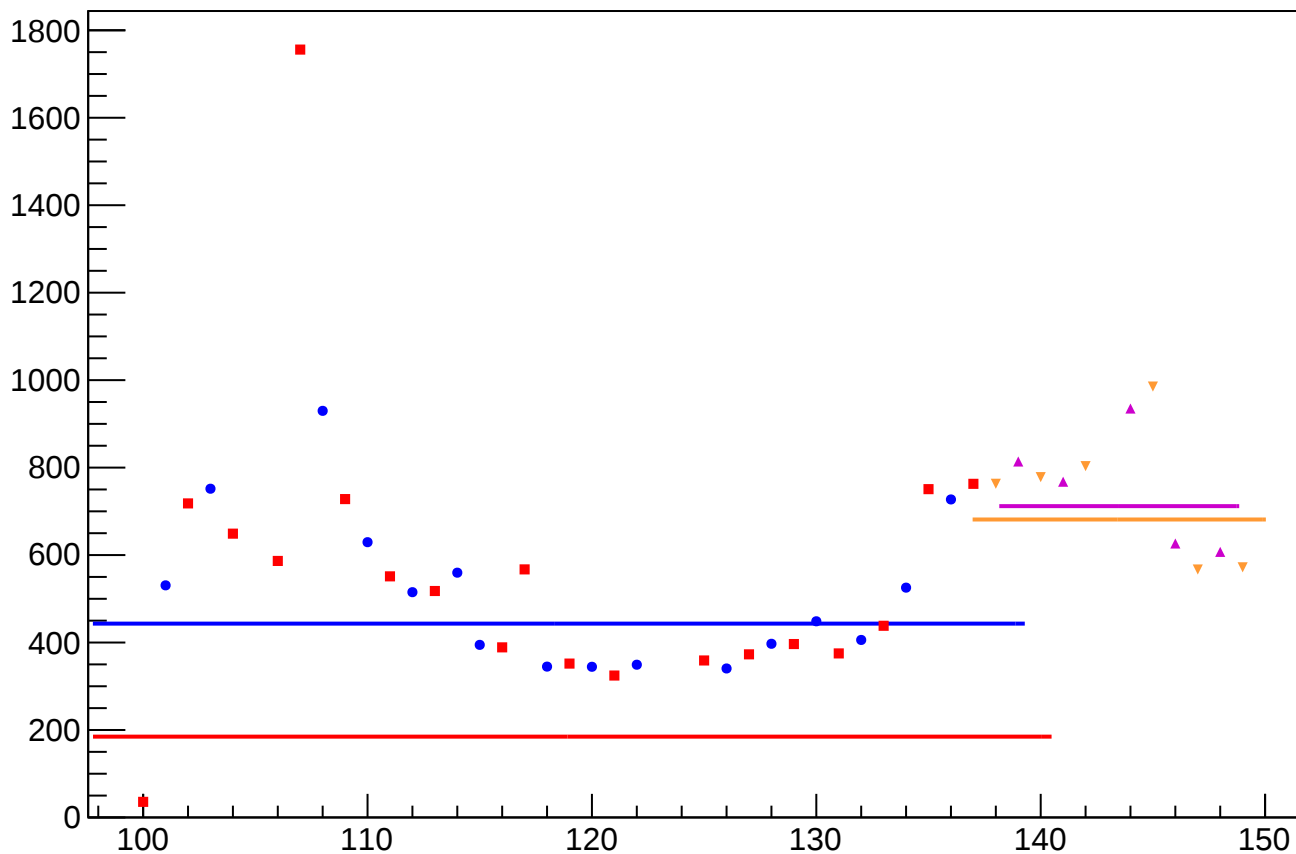
Left In: 225.582+/-359.492 χ^2/NDF : 1.6/4

-78.994+/-158.619 χ^2/NDF : 33.9/21

-77.082+/-86.445 χ^2/NDF : 59.6/45

-76.274+/-103.102 χ^2/NDF : 25.7/23

asym_left_dd_correction_rms vs Slug, Sign Corrected



Right In: 443.240 $\pm$ 0.127 χ^2/NDF : 1060784.8/15

Left Out: 681.337 $\pm$ 0.237 χ^2/NDF : 327568.5/5

Right Out: 184.814 $\pm$ 0.076 χ^2/NDF : 8119311.6/18

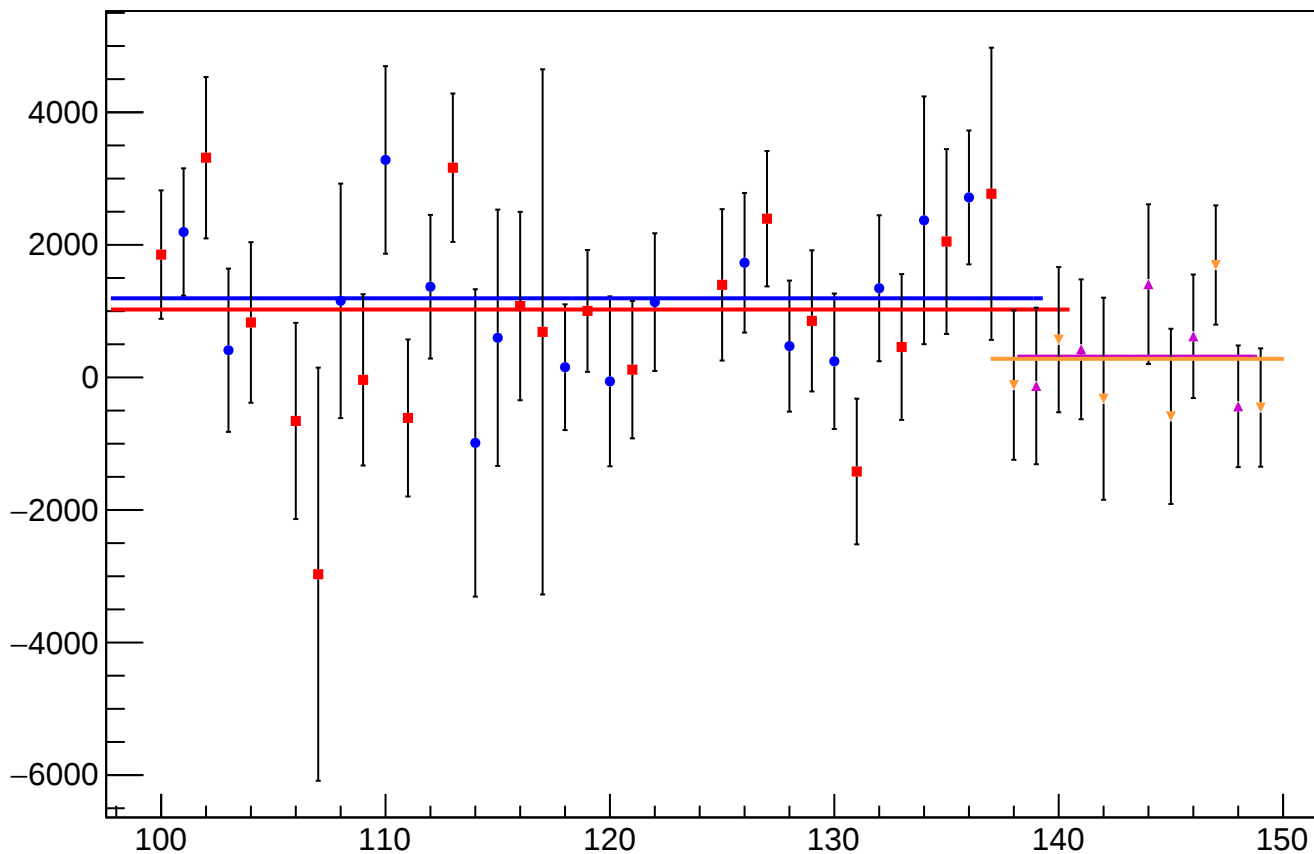
Left In: 711.884 $\pm$ 0.254 χ^2/NDF : 206261.6/4

496.426 $\pm$ 0.112 χ^2/NDF : 2170129.3/21

307.843 $\pm$ 0.061 χ^2/NDF : 18462698.1/45

228.167 $\pm$ 0.073 χ^2/NDF : 12271156.5/23

asym_left_dd_mean vs Slug, Sign Corrected



Right In: 1193.849 ± 295.046 χ^2/NDF : 11.2/15

Left Out: 280.431 ± 442.251 χ^2/NDF : 3.9/5

Right Out: 1024.435 ± 280.119 χ^2/NDF : 22.5/18

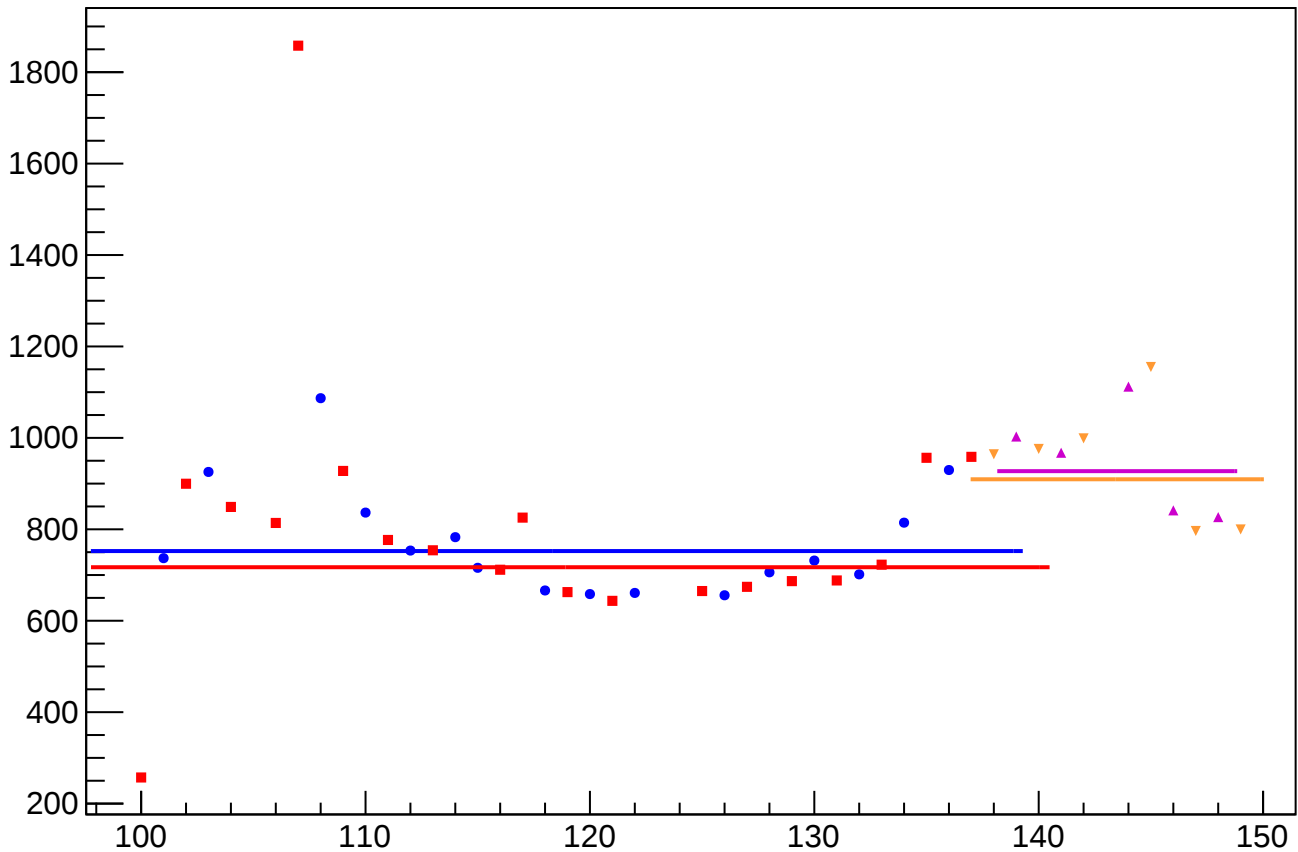
Left In: 313.681 ± 464.025 χ^2/NDF : 1.8/4

912.518 ± 245.439 χ^2/NDF : 18.1/21

872.656 ± 171.527 χ^2/NDF : 44.1/45

834.601 ± 239.811 χ^2/NDF : 26.0/23

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 909.444 $\pm$ 0.313 χ^2/NDF : 149836.2/5

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

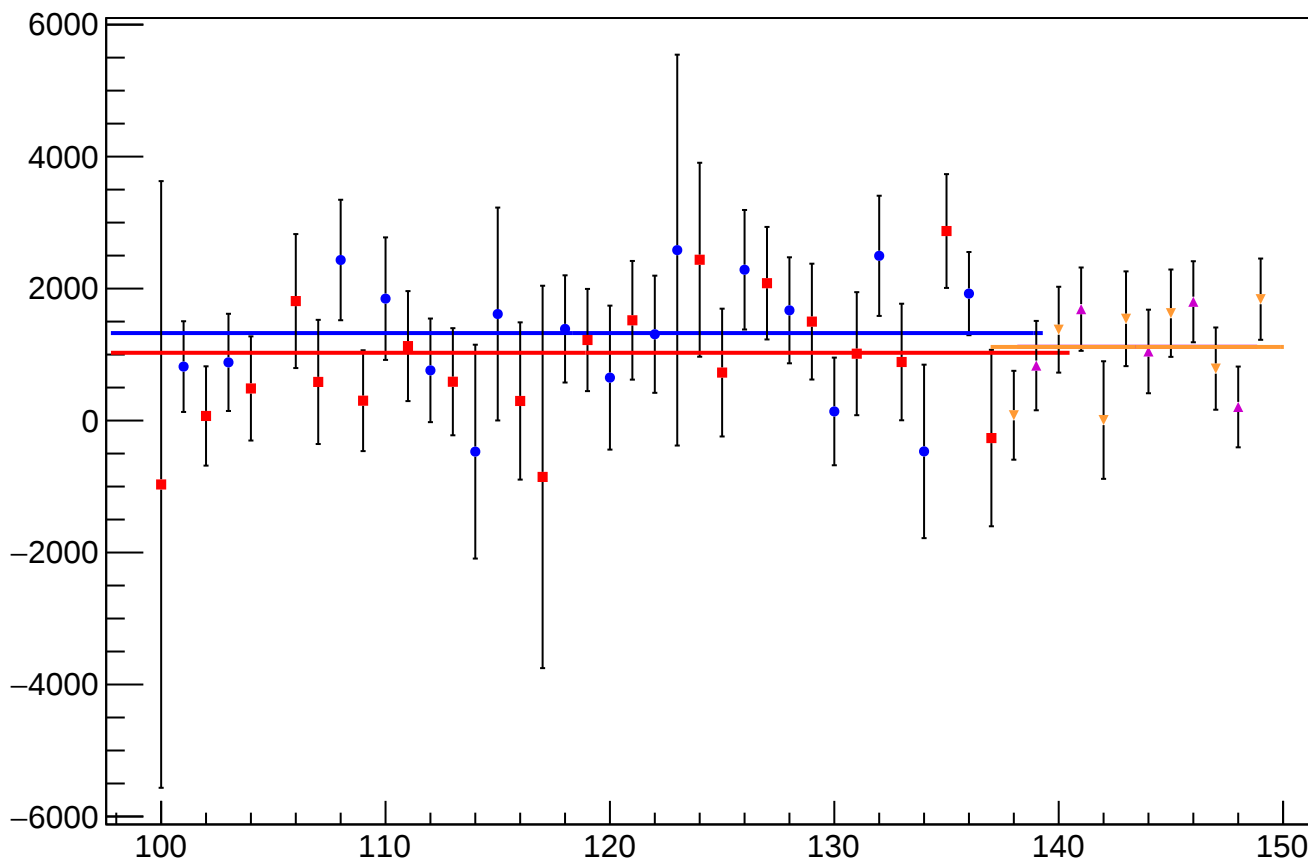
Left In: 927.221 $\pm$ 0.328 χ^2/NDF : 99236.7/4

800.789 $\pm$ 0.174 χ^2/NDF : 576995.8/21

786.673 $\pm$ 0.121 χ^2/NDF : 1958265.1/45

773.197 $\pm$ 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: 1115.590 $\pm$ 255.960 χ^2 /NDF: 6.7/6

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

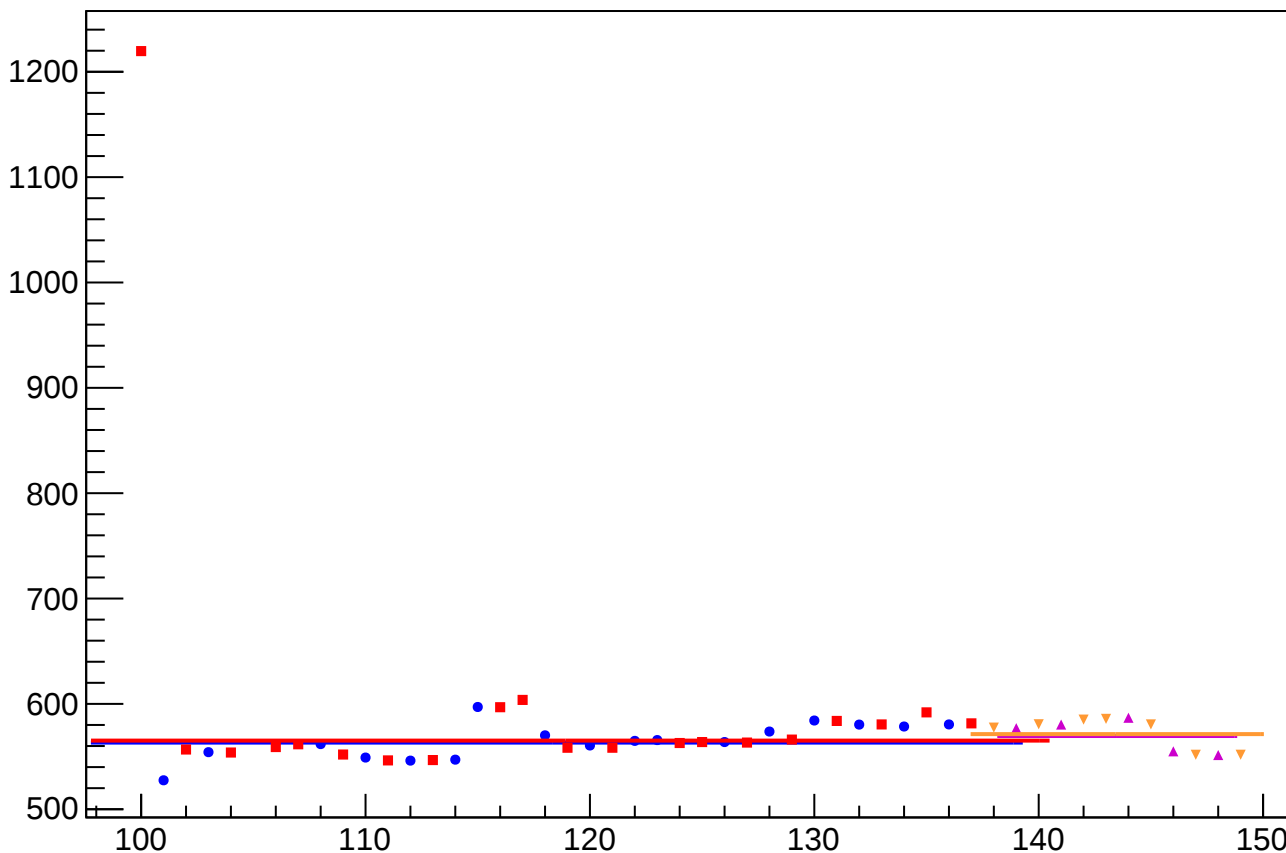
Left In: 1118.516 $\pm$ 282.806 χ^2 /NDF: 4.5/4

1237.360 $\pm$ 166.010 χ^2 /NDF: 20.0/23

1150.196 $\pm$ 118.474 χ^2 /NDF: 38.9/48

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: 571.314+/-0.181 χ^2/NDF : 6257.4/6

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

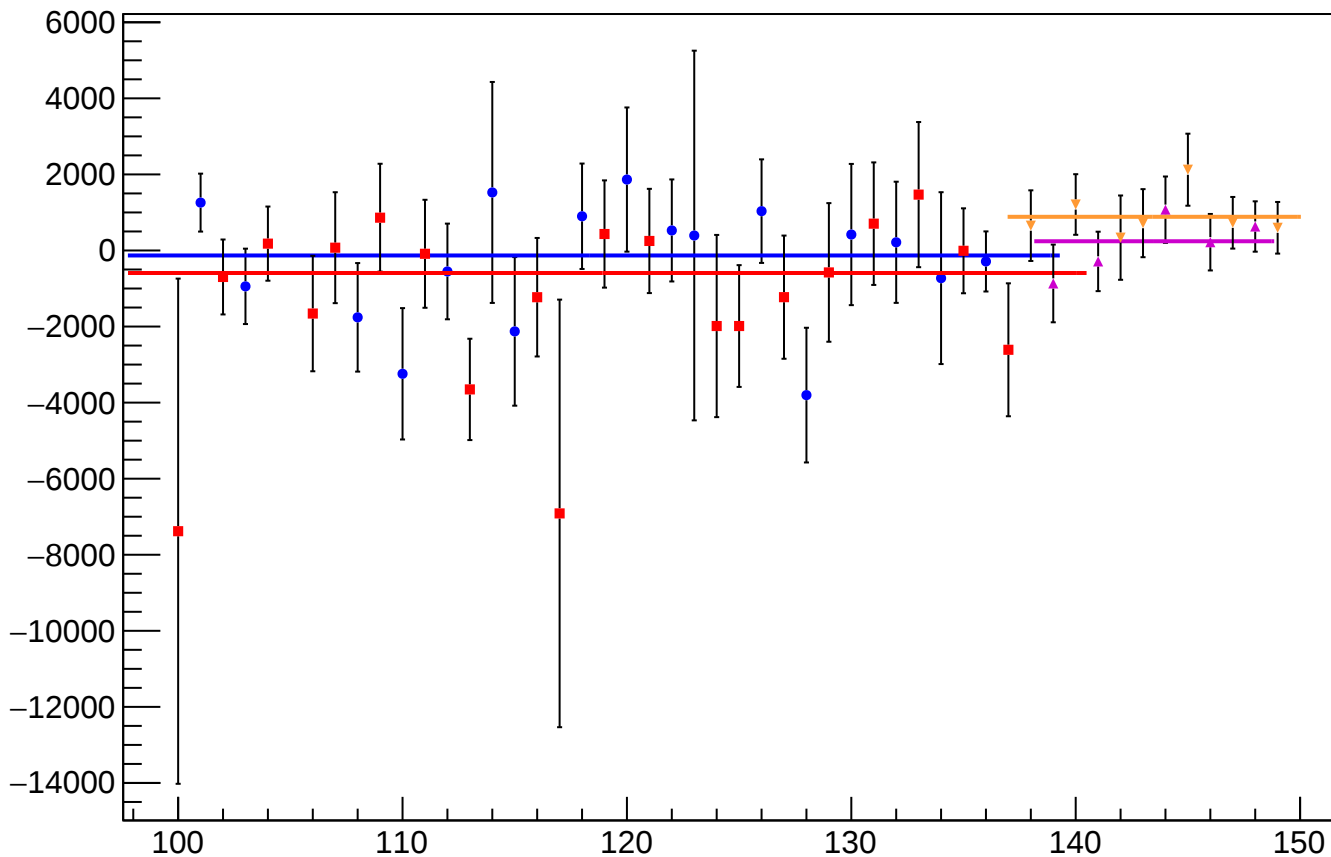
Left In: 569.507+/-0.200 χ^2/NDF : 5196.6/4

566.651+/-0.117 χ^2/NDF : 19923.4/23

566.679+/-0.084 χ^2/NDF : 75078.2/48

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: 885.391 $\pm$ 312.293 χ^2 /NDF: 2.5/6

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

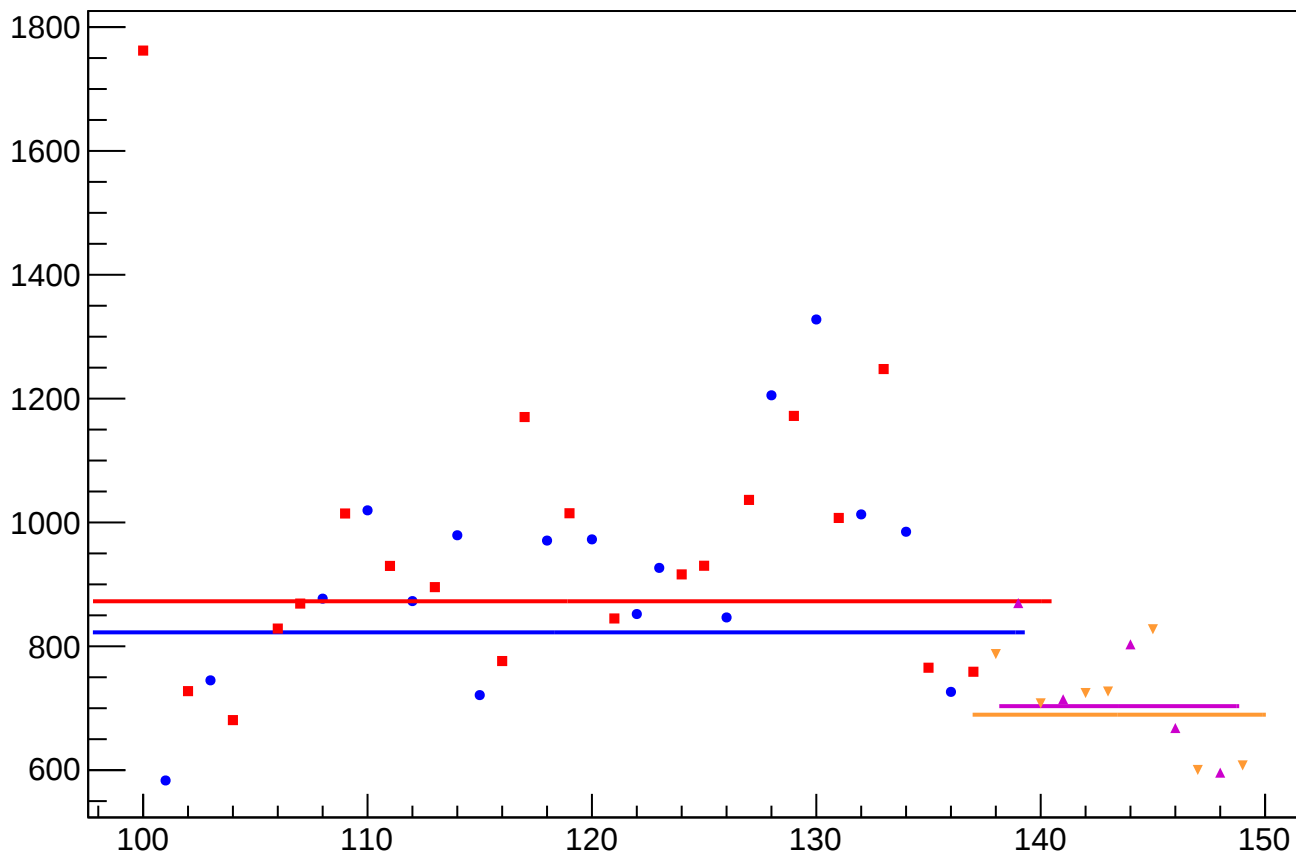
Left In: 242.701 $\pm$ 353.436 χ^2 /NDF: 2.9/4

401.429 $\pm$ 226.038 χ^2 /NDF: 24.7/23

120.667 $\pm$ 165.161 χ^2 /NDF: 49.7/48

-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: 689.555+/-0.221 χ^2/NDF :134927.3/6

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

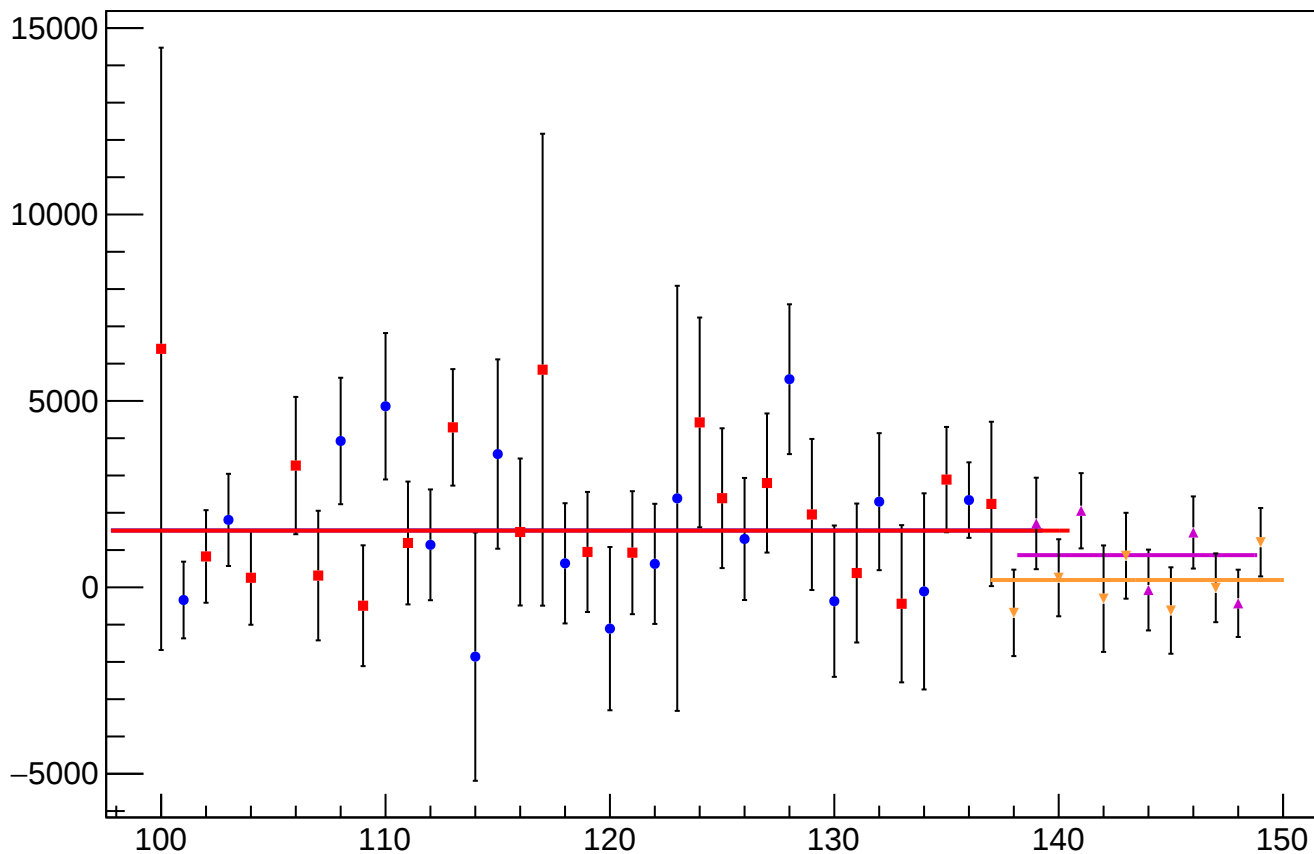
Left In: 703.360+/-0.250 χ^2/NDF :136814.9/4

752.864+/-0.160 χ^2/NDF : 908519.7/23

771.747+/-0.117 χ^2/NDF : 1731840.6/48

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: 196.144 $\pm$ 407.137 χ^2 /NDF: 2.8/6

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

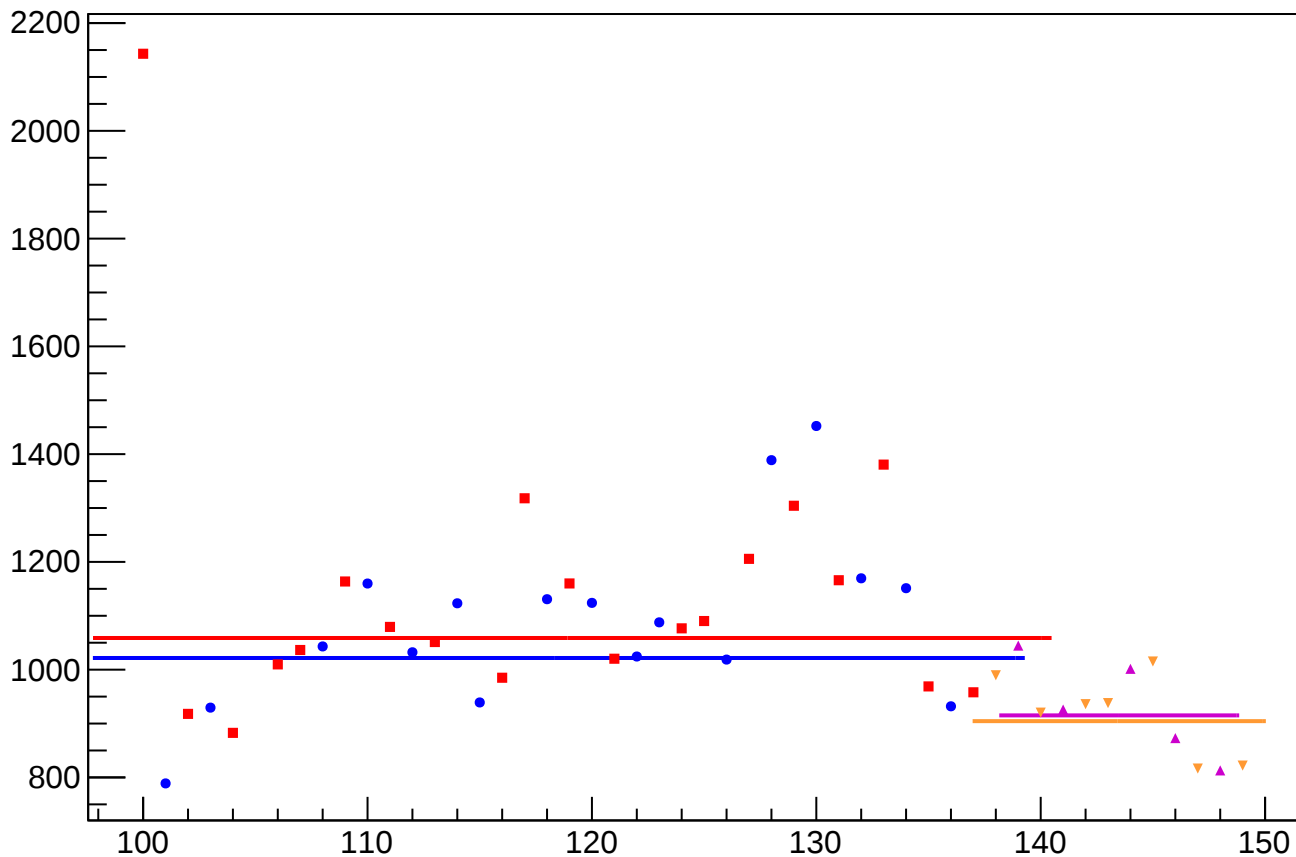
Left In: 863.504 $\pm$ 456.763 χ^2 /NDF: 5.1/4

869.604 $\pm$ 285.978 χ^2 /NDF: 26.4/23

1044.014 $\pm$ 207.181 χ^2 /NDF: 46.0/48

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 χ^2/NDF : 331949.3/16

Left Out: 904.455 +/- 0.288 χ^2/NDF : 66505.5/6

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

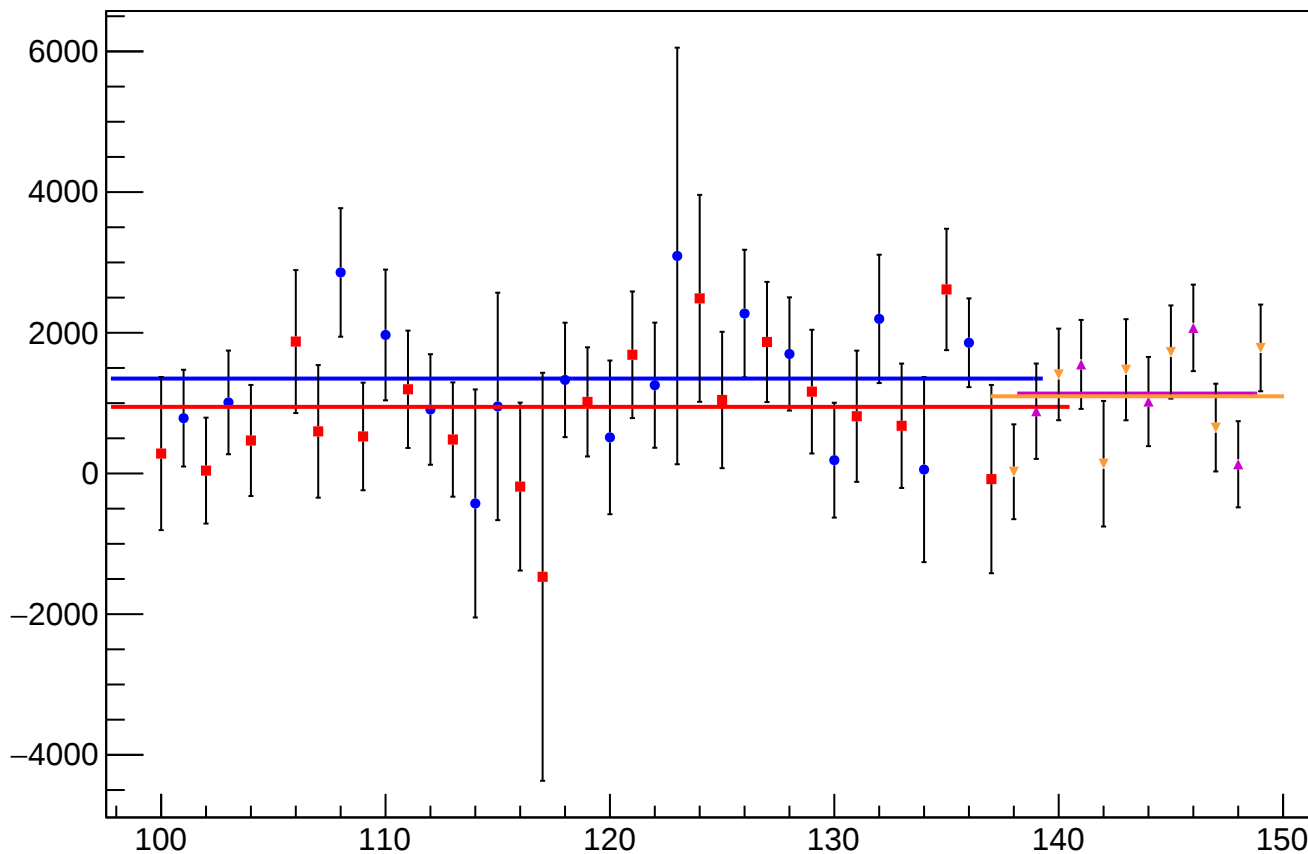
Left In: 915.145 +/- 0.323 χ^2/NDF : 64643.8/4

963.836 +/- 0.202 χ^2/NDF : 482430.6/23

979.398 +/- 0.146 χ^2/NDF : 905996.7/48

996.588 +/- 0.213 χ^2/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: 1097.232 $\pm$ 256.201 χ^2 /NDF: 6.8/6

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

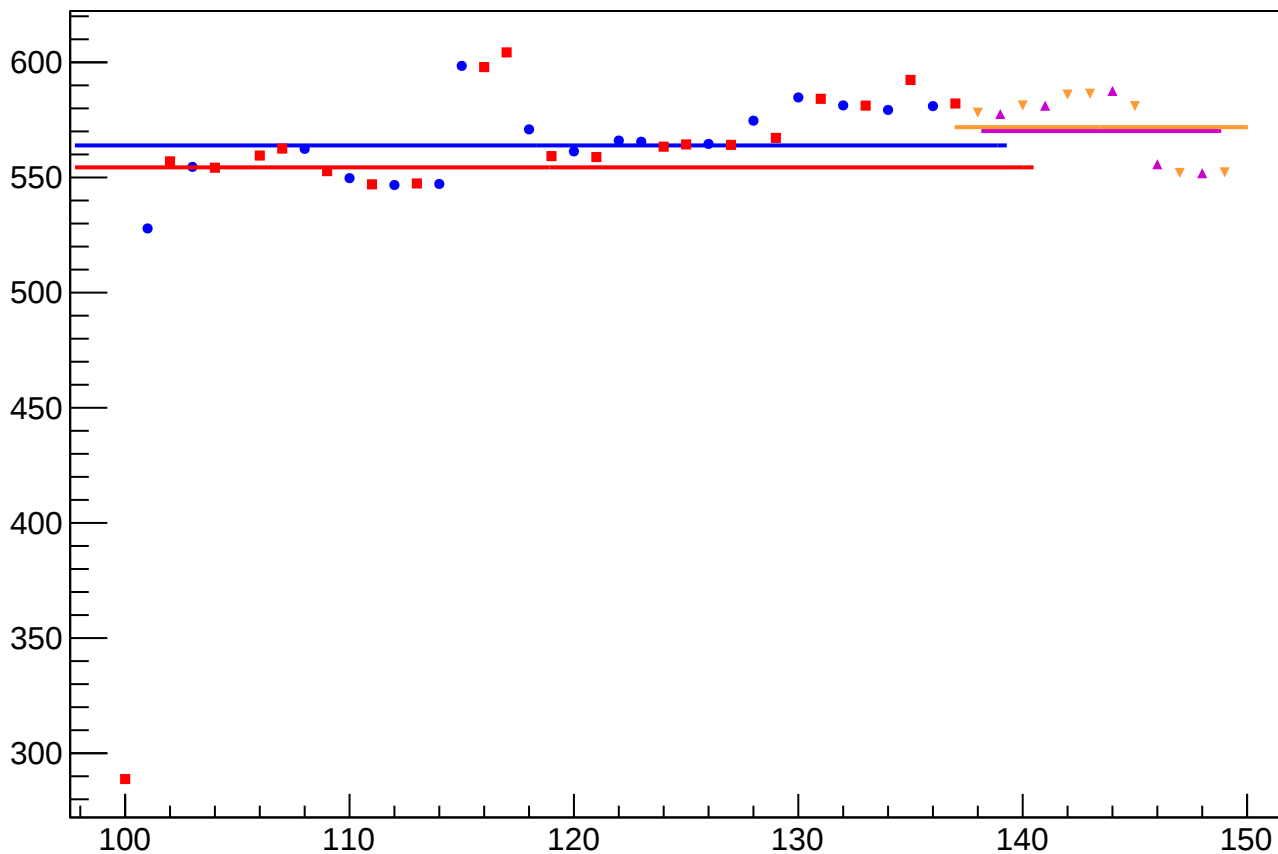
Left In: 1135.836 $\pm$ 283.135 χ^2 /NDF: 5.6/4

1243.154 $\pm$ 166.189 χ^2 /NDF: 19.7/23

1128.959 $\pm$ 117.947 χ^2 /NDF: 39.5/48

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

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 571.848 ± 0.181 χ^2/NDF : 6347.0/6

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

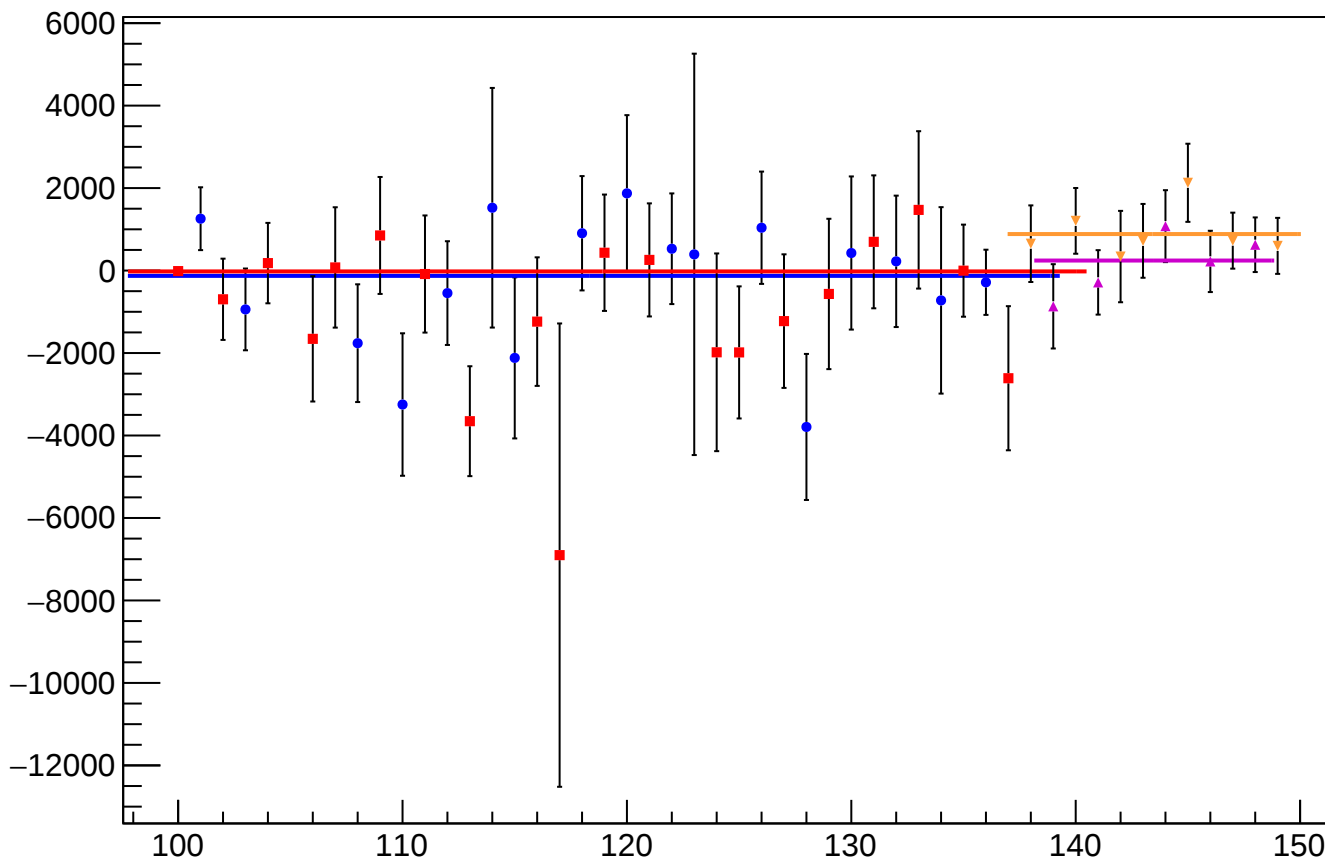
Left In: 570.168 ± 0.200 χ^2/NDF : 5240.4/4

567.257 ± 0.118 χ^2/NDF : 20118.9/23

563.613 ± 0.083 χ^2/NDF : 163890.6/48

559.914 ± 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: 885.157 $\pm$ 312.392 χ^2/NDF : 2.5/6

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

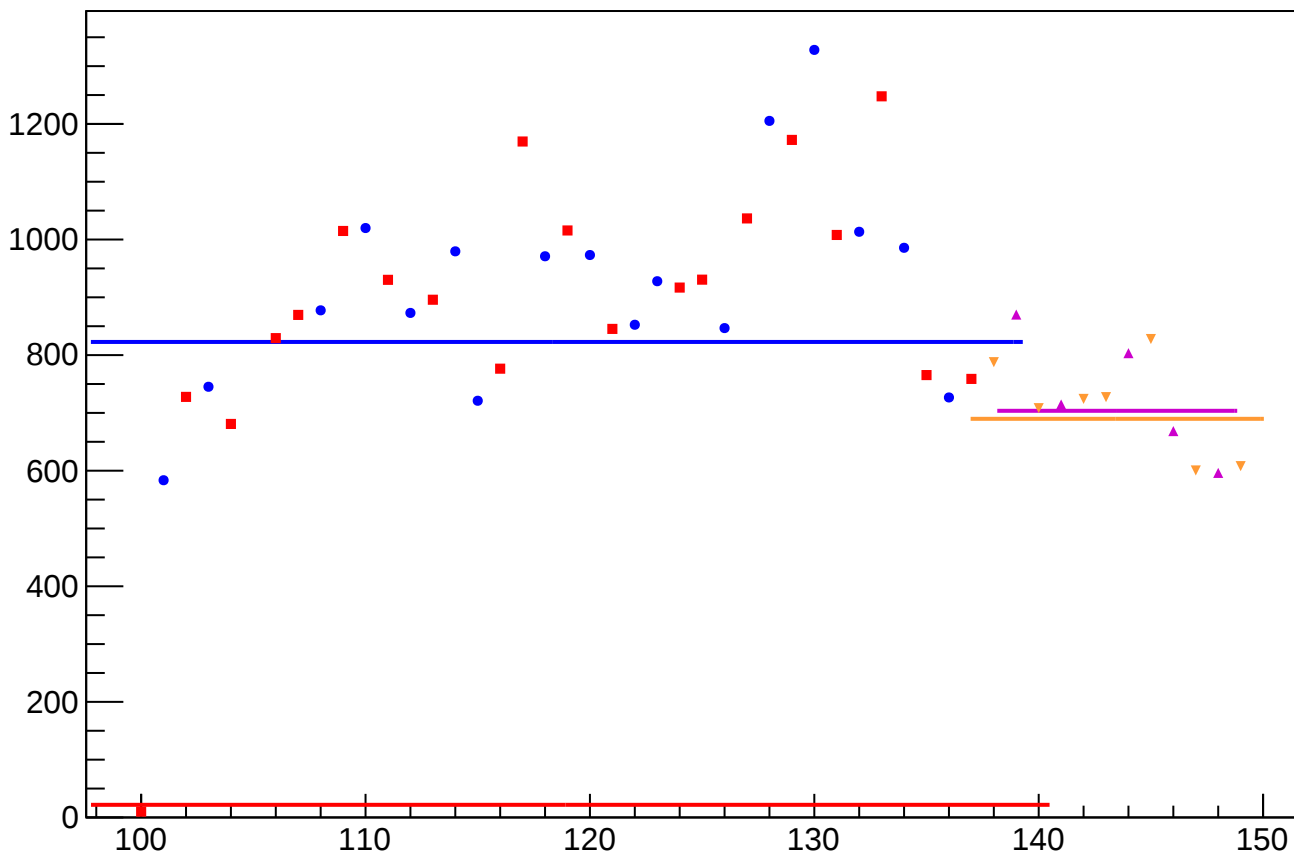
Left In: 242.938 $\pm$ 353.571 χ^2/NDF : 2.9/4

402.430 $\pm$ 226.109 χ^2/NDF : 24.7/23

-5.589 $\pm$ 38.163 χ^2/NDF : 49.1/48

-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: 689.764+/-0.221 χ^2/NDF : 134998.2/6

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

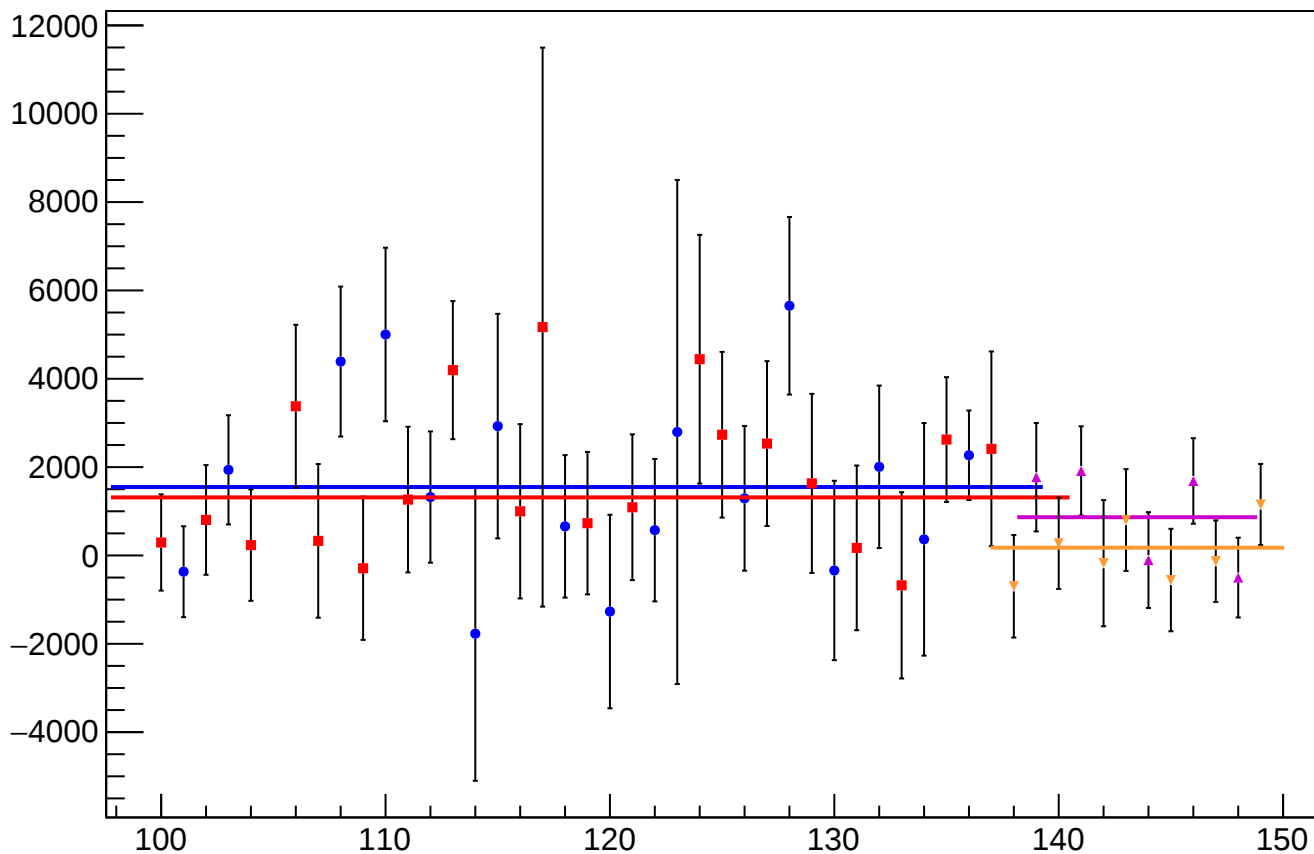
Left In: 703.633+/-0.250 χ^2/NDF : 136702.5/4

753.095+/-0.160 χ^2/NDF : 908515.7/23

50.641+/-0.027 χ^2/NDF : 41868566.2/48

30.043+/-0.027 χ^2/NDF : 21090764.8/24

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 175.852 $\pm$ 407.370 χ^2 /NDF: 2.6/6

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

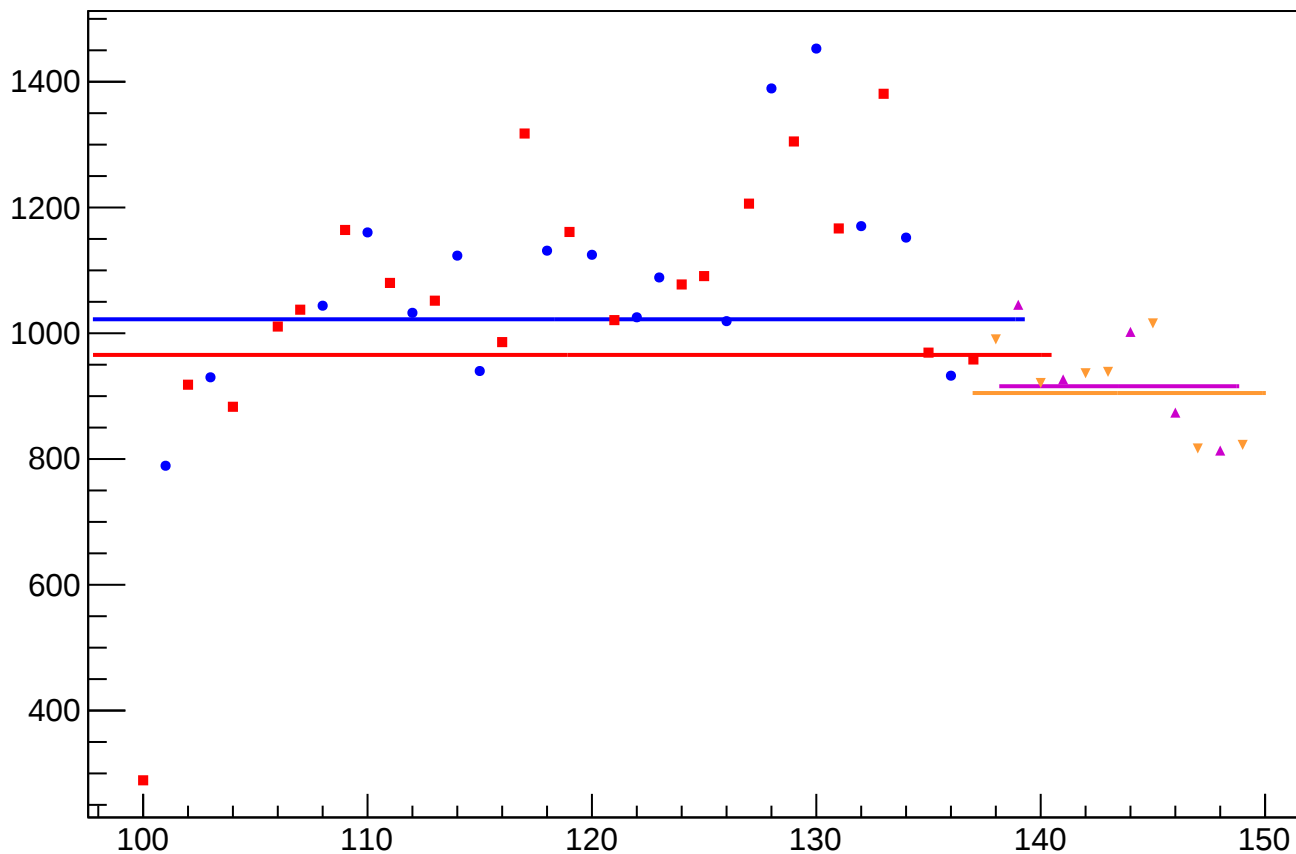
Left In: 866.254 $\pm$ 457.075 χ^2 /NDF: 5.4/4

871.457 $\pm$ 286.140 χ^2 /NDF: 27.3/23

1000.921 $\pm$ 203.713 χ^2 /NDF: 46.6/48

1133.984 $\pm$ 290.089 χ^2 /NDF: 18.9/24

asym_right_dd_rms vs Slug, Sign Corrected



Right In: 1022.241 $\pm$ 0.284 χ^2/NDF : 331865.9/16

Left Out: 904.966 $\pm$ 0.288 χ^2/NDF : 66603.5/6

Right Out: 965.574 $\pm$ 0.265 χ^2/NDF : 1073497.1/19

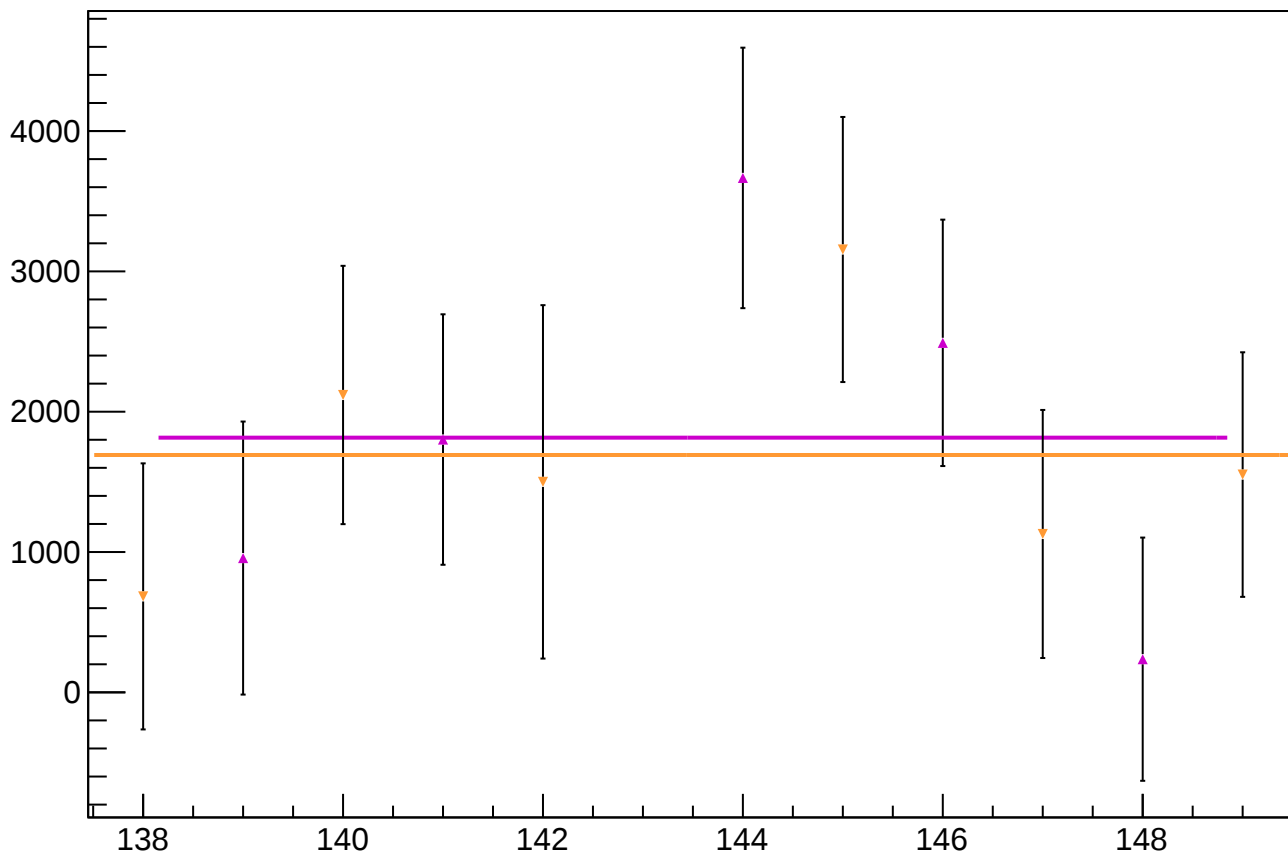
Left In: 915.772 $\pm$ 0.323 χ^2/NDF : 64627.8/4

964.381 $\pm$ 0.202 χ^2/NDF : 482444.3/23

955.076 $\pm$ 0.144 χ^2/NDF : 1639037.0/48

945.514 $\pm$ 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: 1691.497+/-388.046 χ^2/NDF : 4.2/5

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

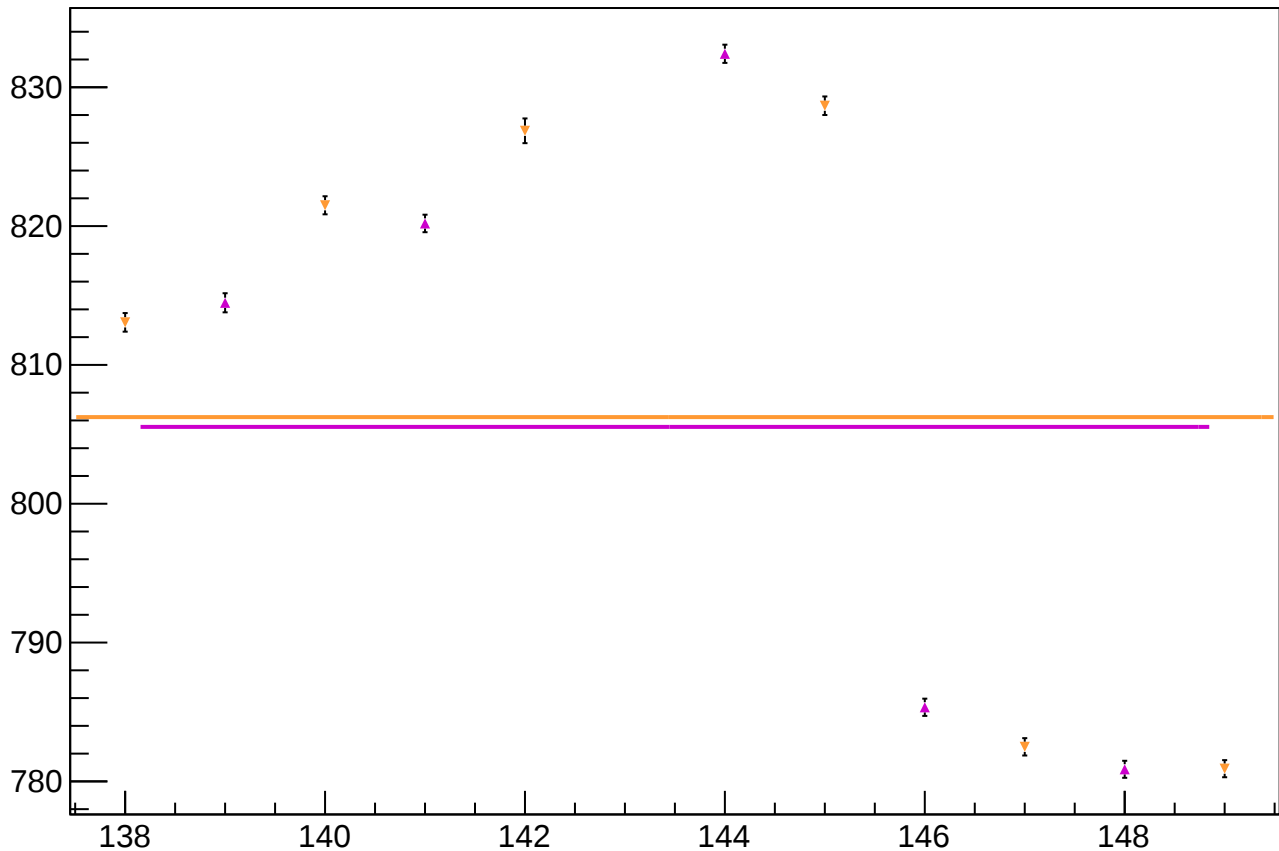
Left In: 1815.003+/-404.840 χ^2/NDF : 8.7/4

1691.497+/-388.046 χ^2/NDF : 4.2/5

1750.635+/-280.139 χ^2/NDF : 12.9/10

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: 806.240+/-0.274 χ^2/NDF : 5450.4/5

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

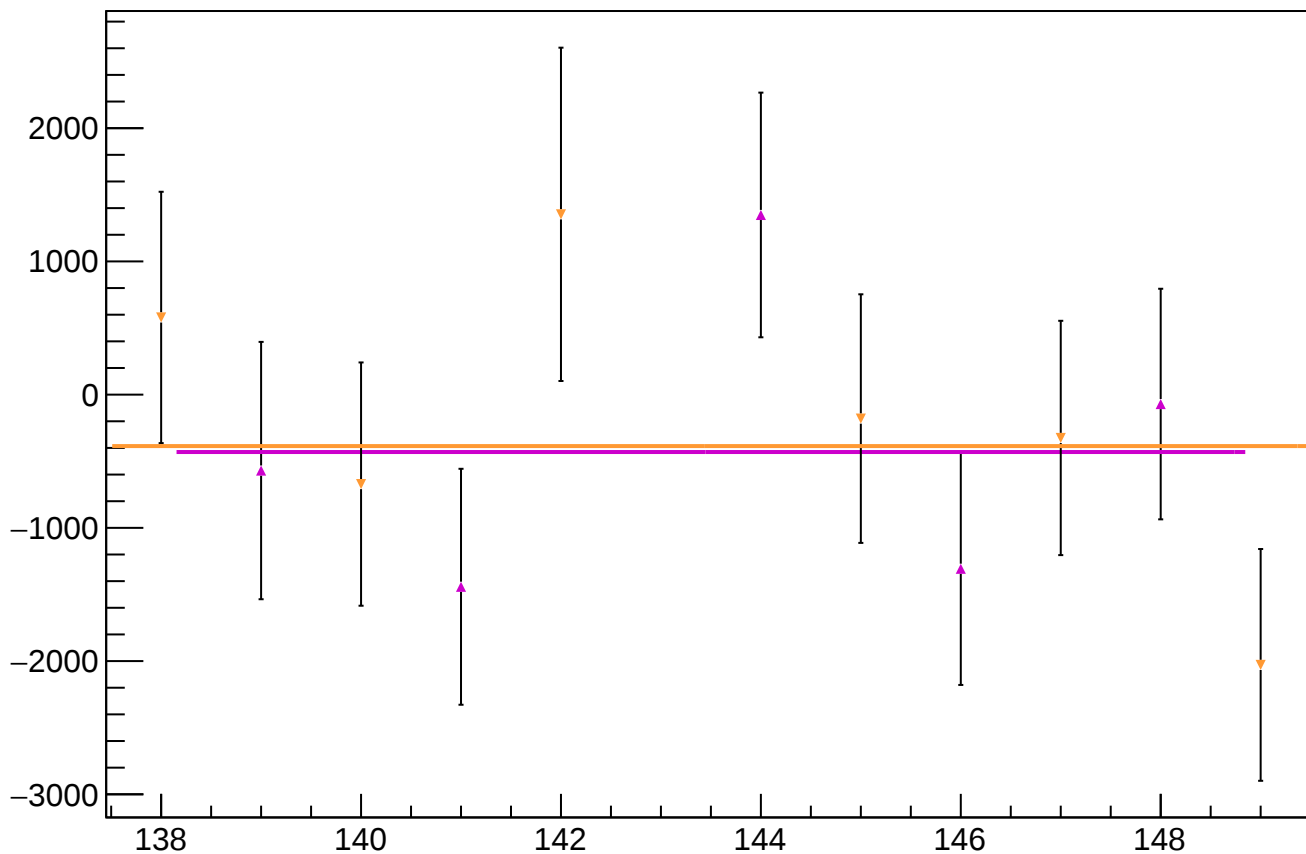
Left In: 805.535+/-0.286 χ^2/NDF : 5063.4/4

806.240+/-0.274 χ^2/NDF : 5450.4/5

805.903+/-0.198 χ^2/NDF : 10516.9/10

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: -386.199+/-385.592 χ^2/NDF : 6.7/5

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

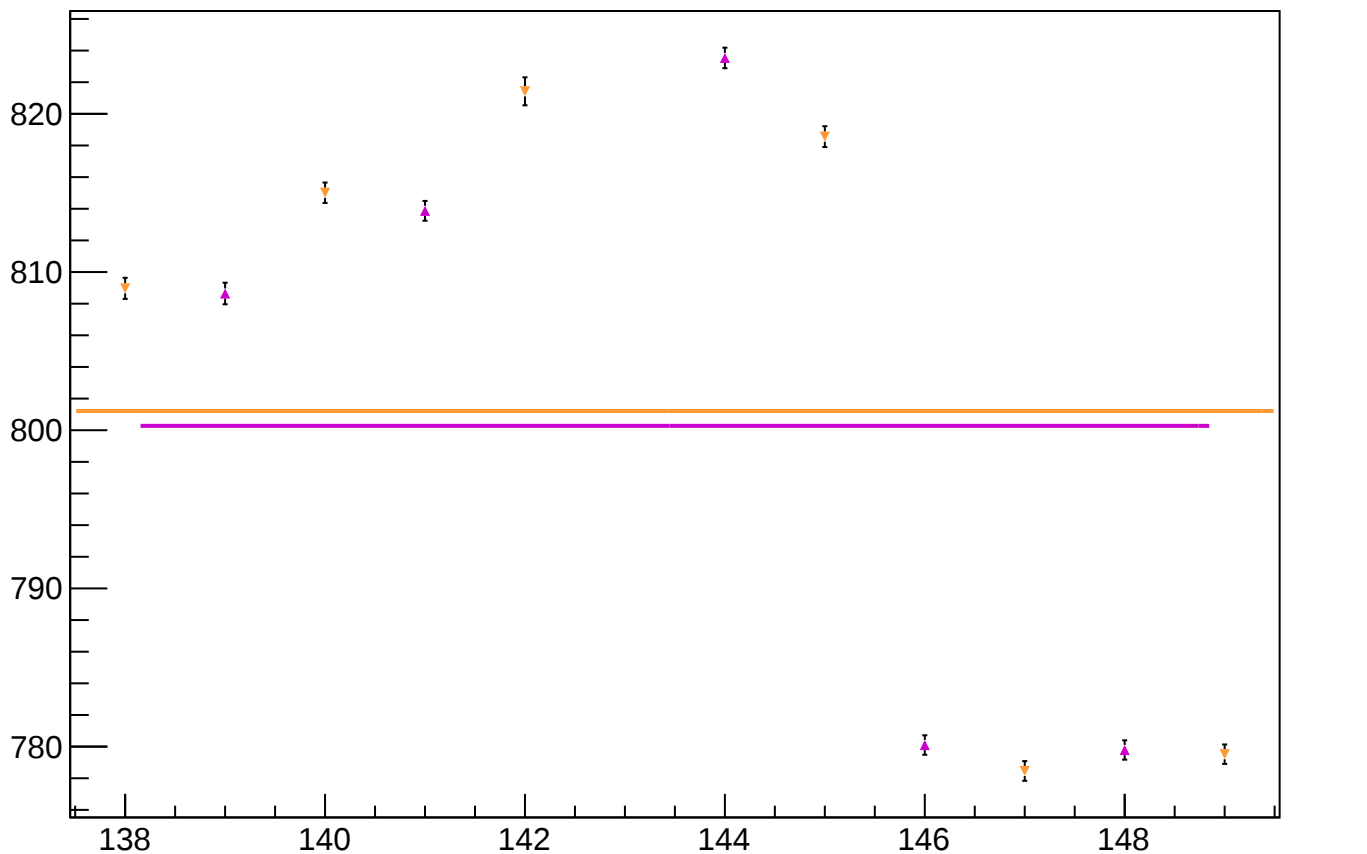
Left In: -430.799+/-402.156 χ^2/NDF : 6.3/4

-386.199+/-385.592 χ^2/NDF : 6.7/5

-407.561+/-278.326 χ^2/NDF : 13.0/10

-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: 801.216+/-0.273 χ^2/NDF : 4388.0/5

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

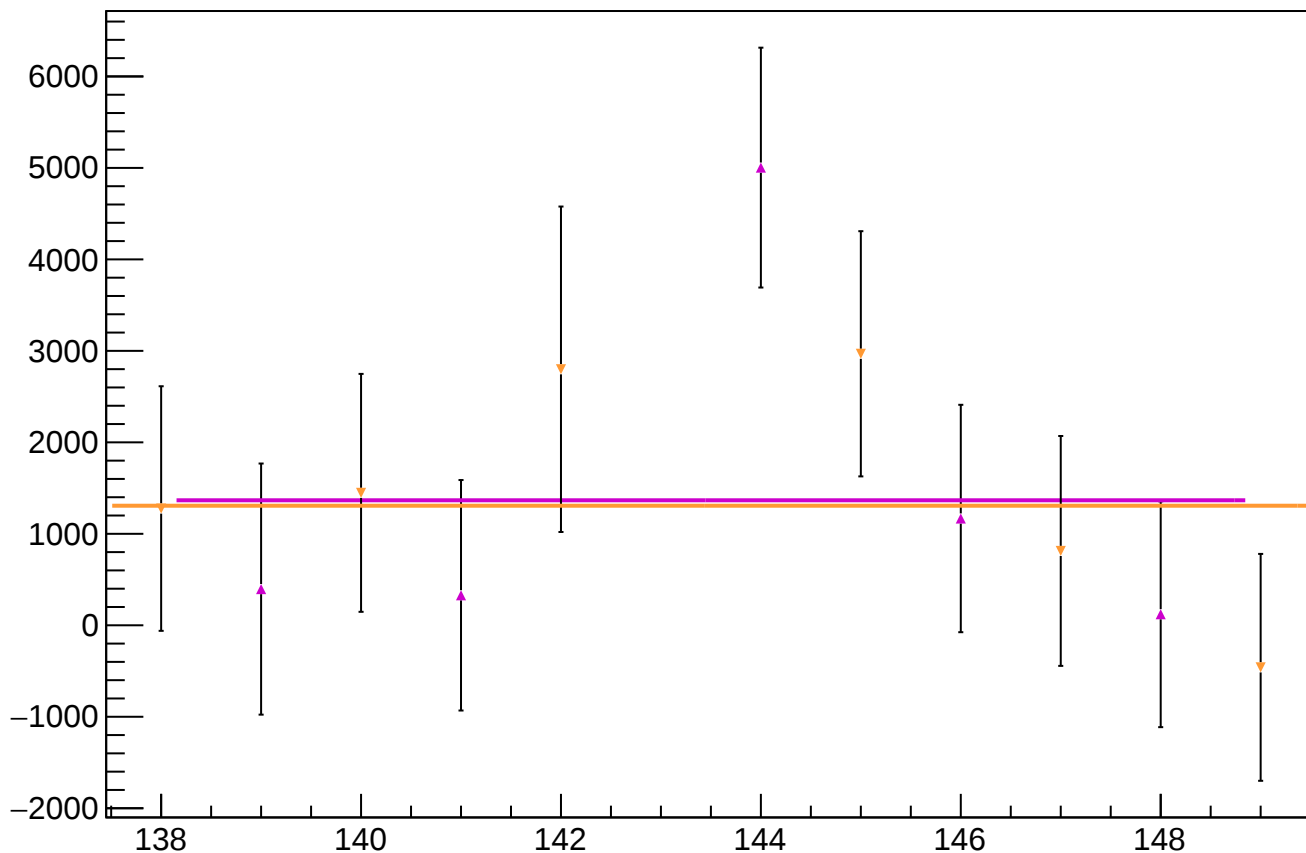
Left In: 800.276+/-0.284 χ^2/NDF : 4095.9/4

801.216+/-0.273 χ^2/NDF : 4388.0/5

800.766+/-0.197 χ^2/NDF : 8489.6/10

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: 1307.104+/-549.900 χ^2/NDF : 4.4/5

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

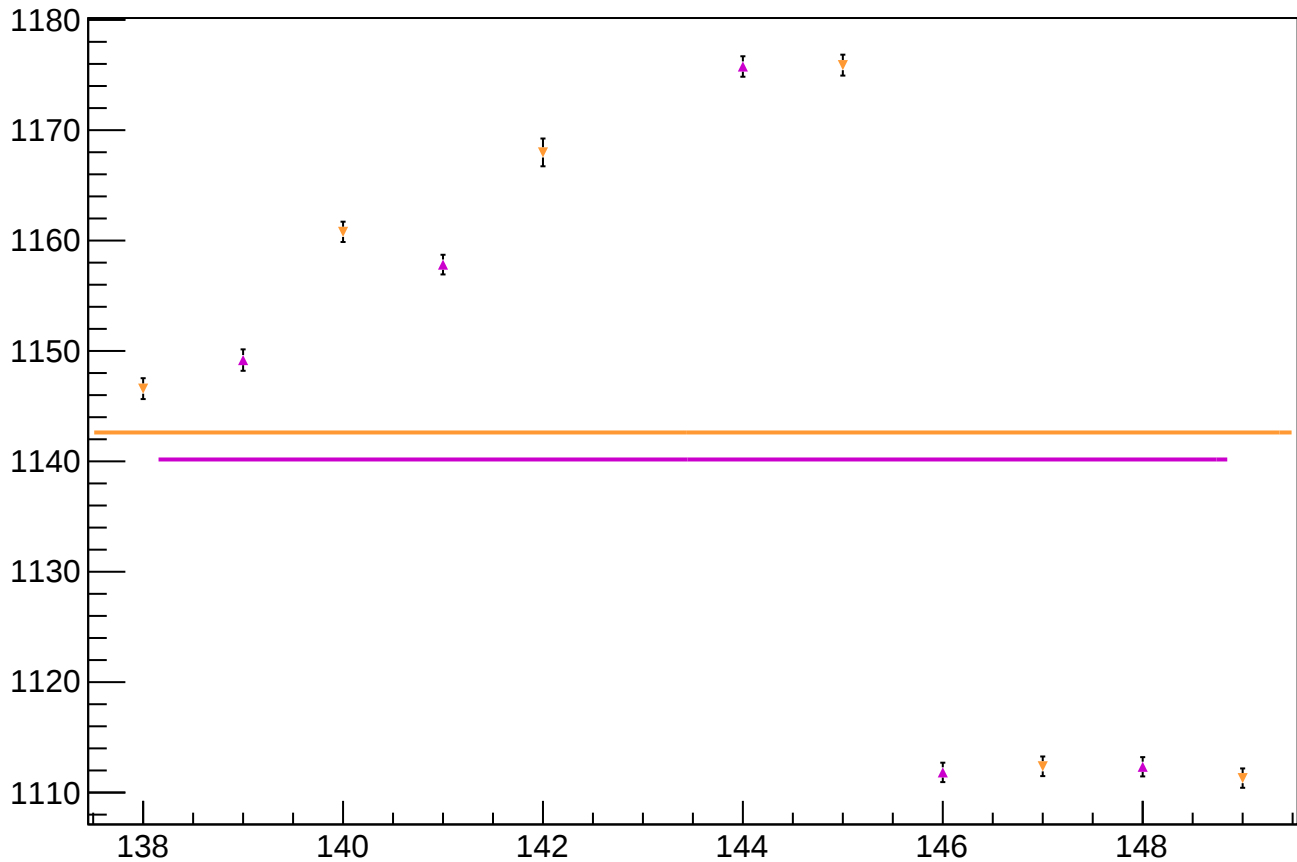
Left In: 1366.581+/-572.967 χ^2/NDF : 9.9/4

1307.104+/-549.900 χ^2/NDF : 4.4/5

1335.621+/-396.742 χ^2/NDF : 14.4/10

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: 1142.616+/-0.389 χ^2/NDF : 4480.6/5

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

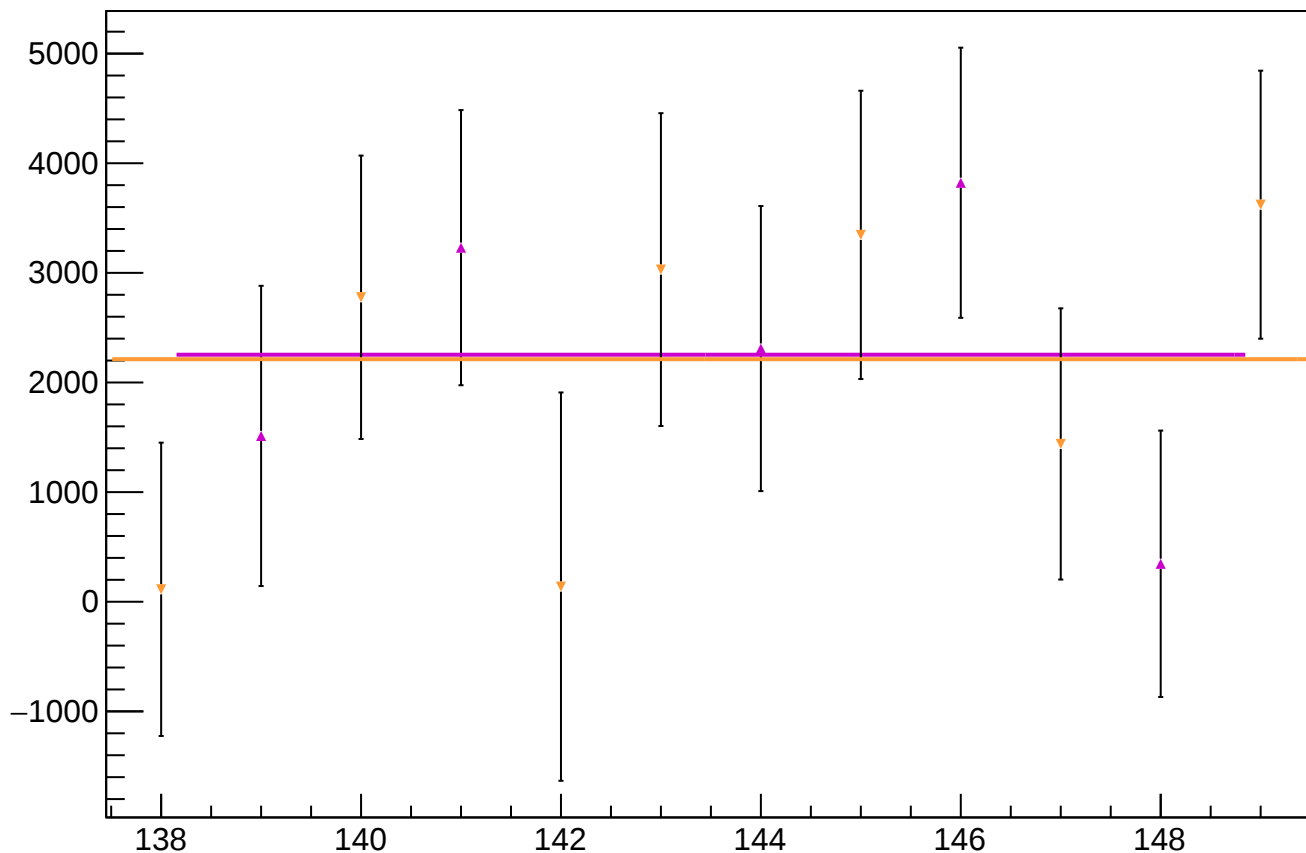
Left In: 1140.170+/-0.405 χ^2/NDF : 4009.9/4

1142.616+/-0.389 χ^2/NDF : 4480.6/5

1141.443+/-0.281 χ^2/NDF : 8509.6/10

1140.170+/-0.405 χ^2/NDF : 4009.9/4

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2212.381+/-508.421 χ^2/NDF : 6.8/6

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

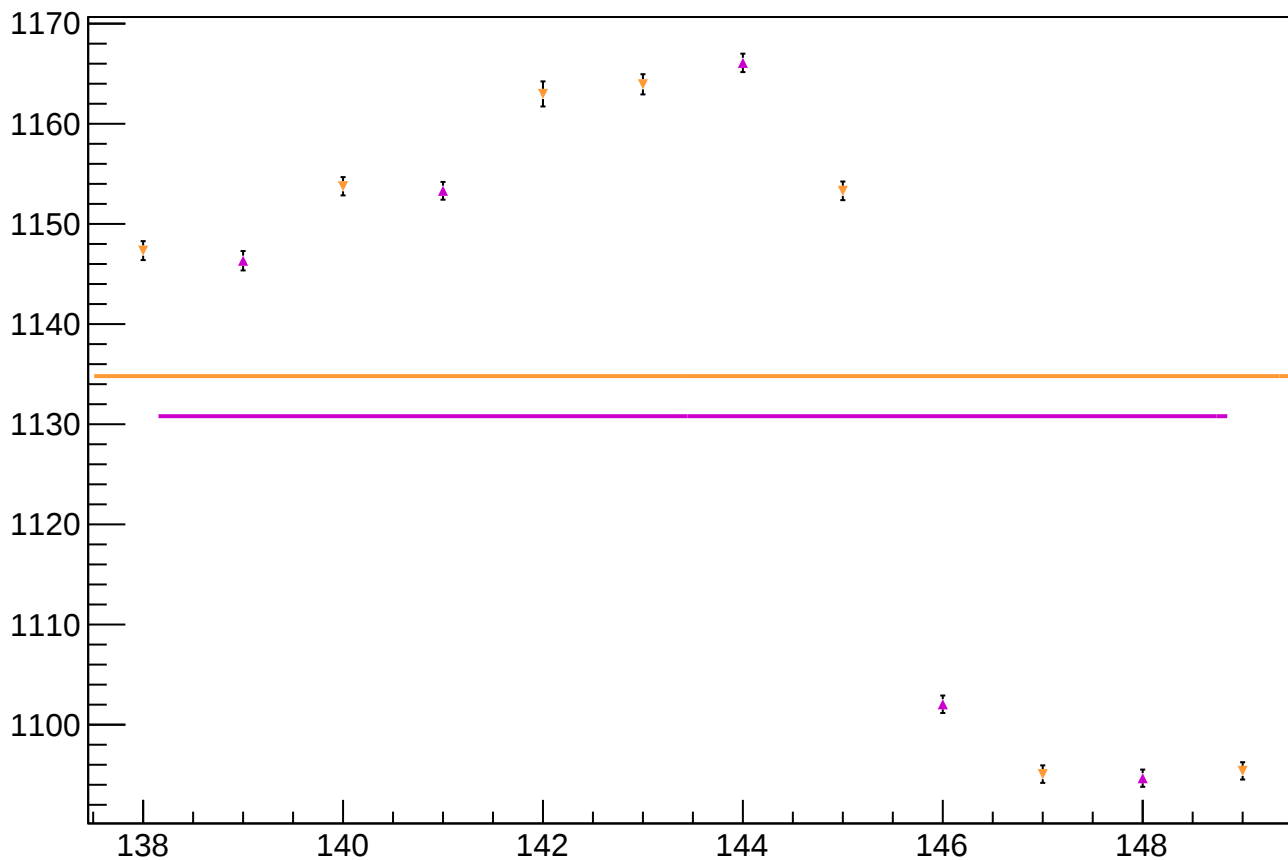
Left In: 2253.242+/-568.303 χ^2/NDF : 5.0/4

2212.381+/-508.421 χ^2/NDF : 6.8/6

2230.546+/-378.917 χ^2/NDF : 11.8/11

2253.242+/-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: 1134.804+/-0.360 χ^2/NDF : 6485.4/6

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

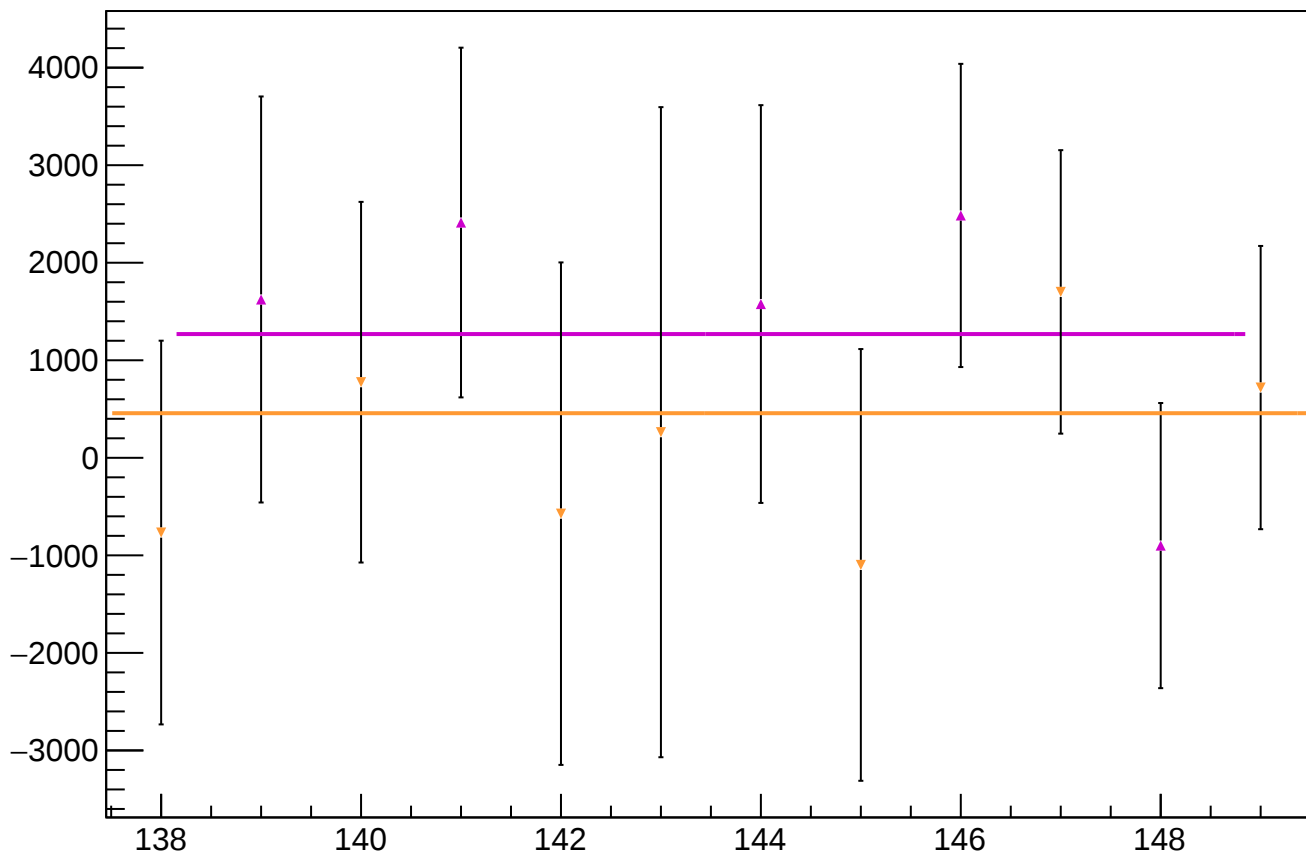
Left In: 1130.803+/-0.402 χ^2/NDF : 5233.1/4

1134.804+/-0.360 χ^2/NDF : 6485.4/6

1133.025+/-0.268 χ^2/NDF : 11773.6/11

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: 457.374+/-717.239 χ^2/NDF : 1.8/6

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

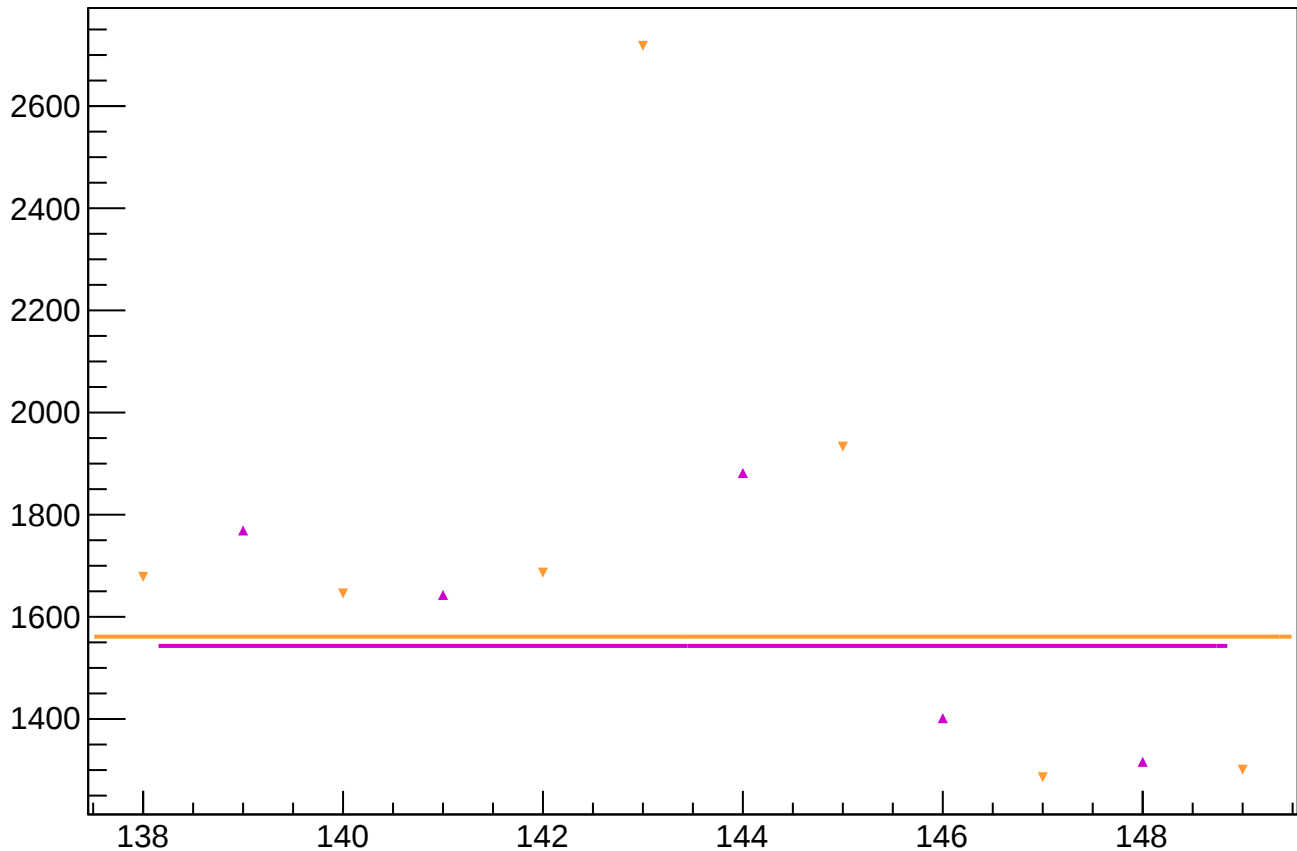
Left In: 1268.696+/-775.088 χ^2/NDF : 3.3/4

457.374+/-717.239 χ^2/NDF : 1.8/6

831.631+/-526.429 χ^2/NDF : 5.7/11

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: 1561.157+/-0.507 χ^2/NDF : 449688.1/6

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

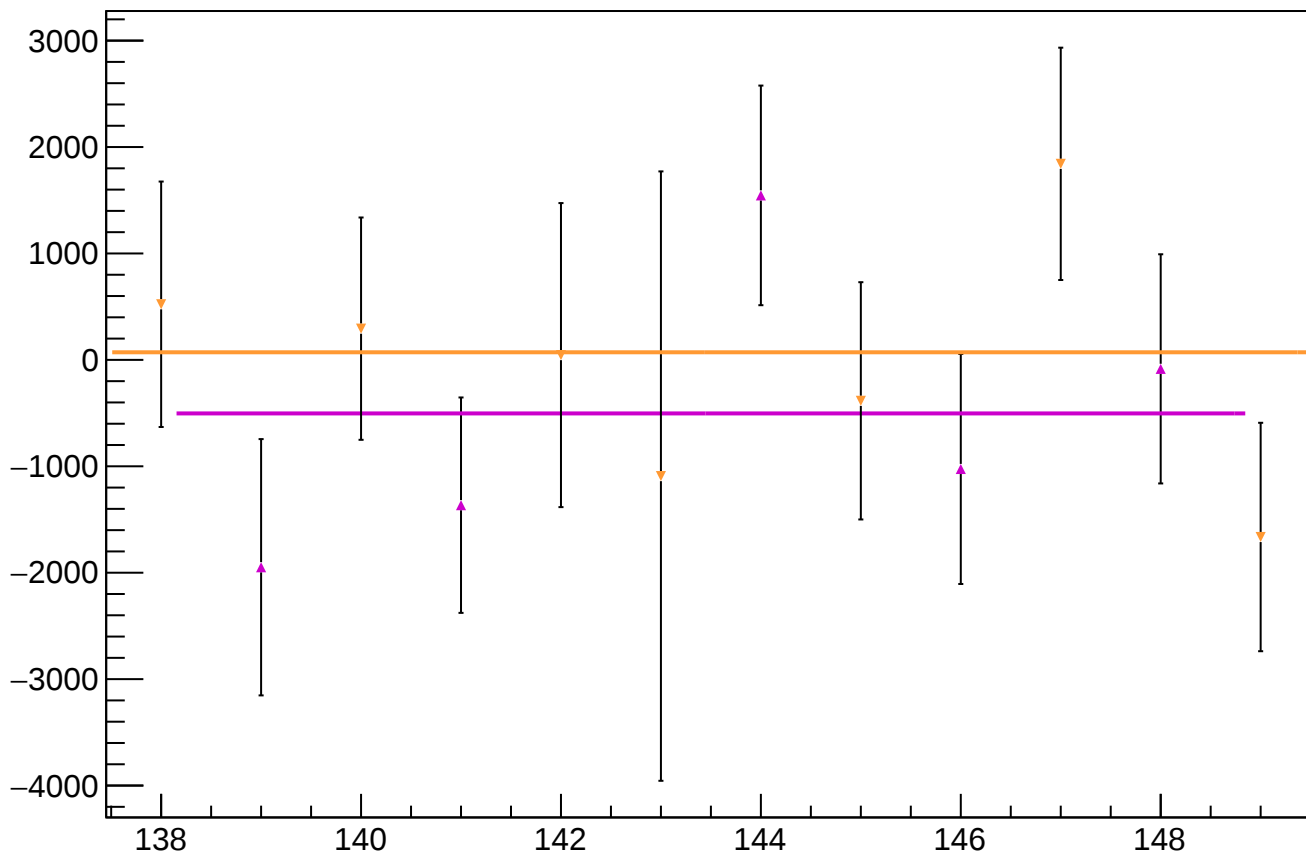
Left In: 1543.077+/-0.548 χ^2/NDF : 149726.5/4

1561.157+/-0.507 χ^2/NDF : 449688.1/6

1552.817+/-0.372 χ^2/NDF : 600000.8/11

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: 71.364+/-456.793 χ^2/NDF : 5.8/6

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

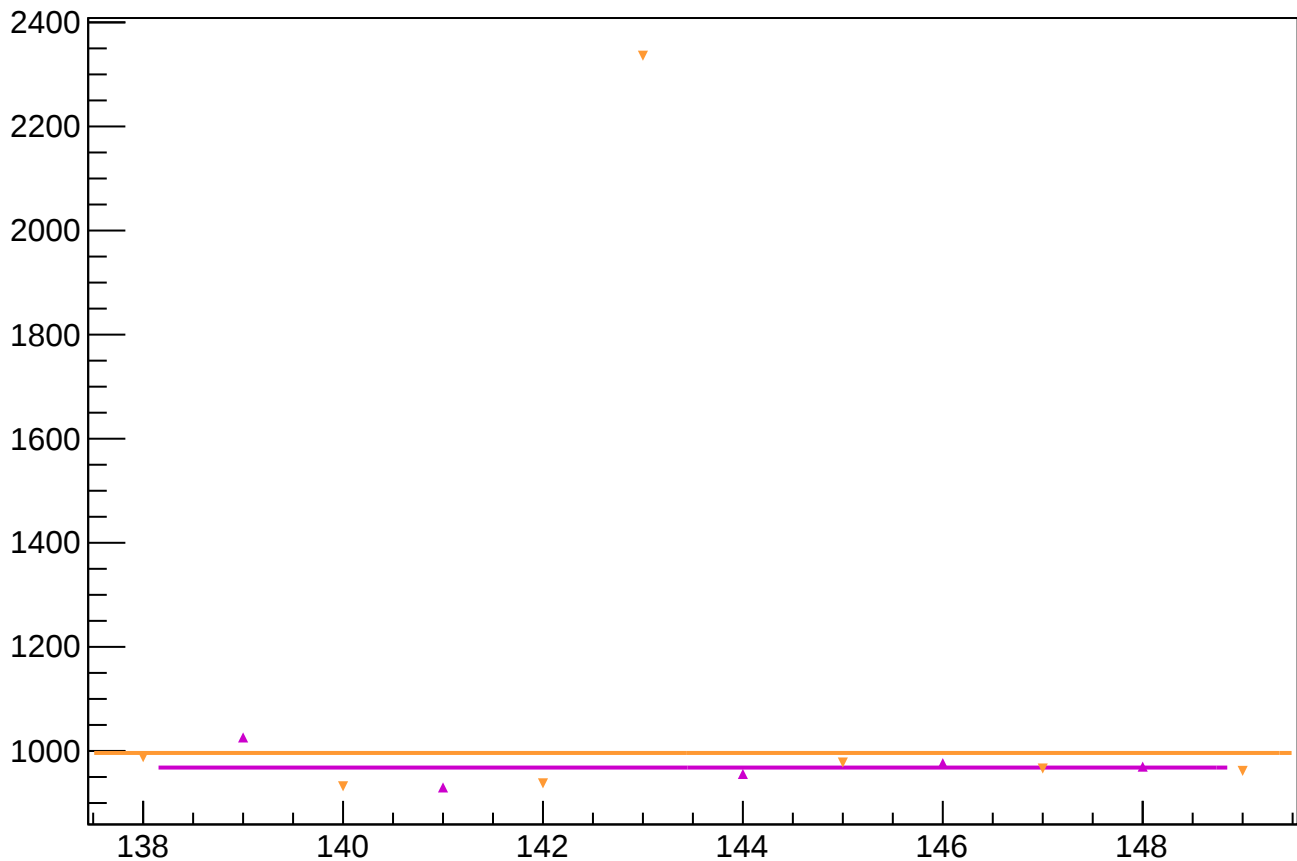
Left In: -503.113+/-480.926 χ^2/NDF : 6.5/4

71.364+/-456.793 χ^2/NDF : 5.8/6

-201.100+/-331.204 χ^2/NDF : 13.0/11

-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: 996.183+/-0.323 χ^2/NDF : 452962.9/6

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

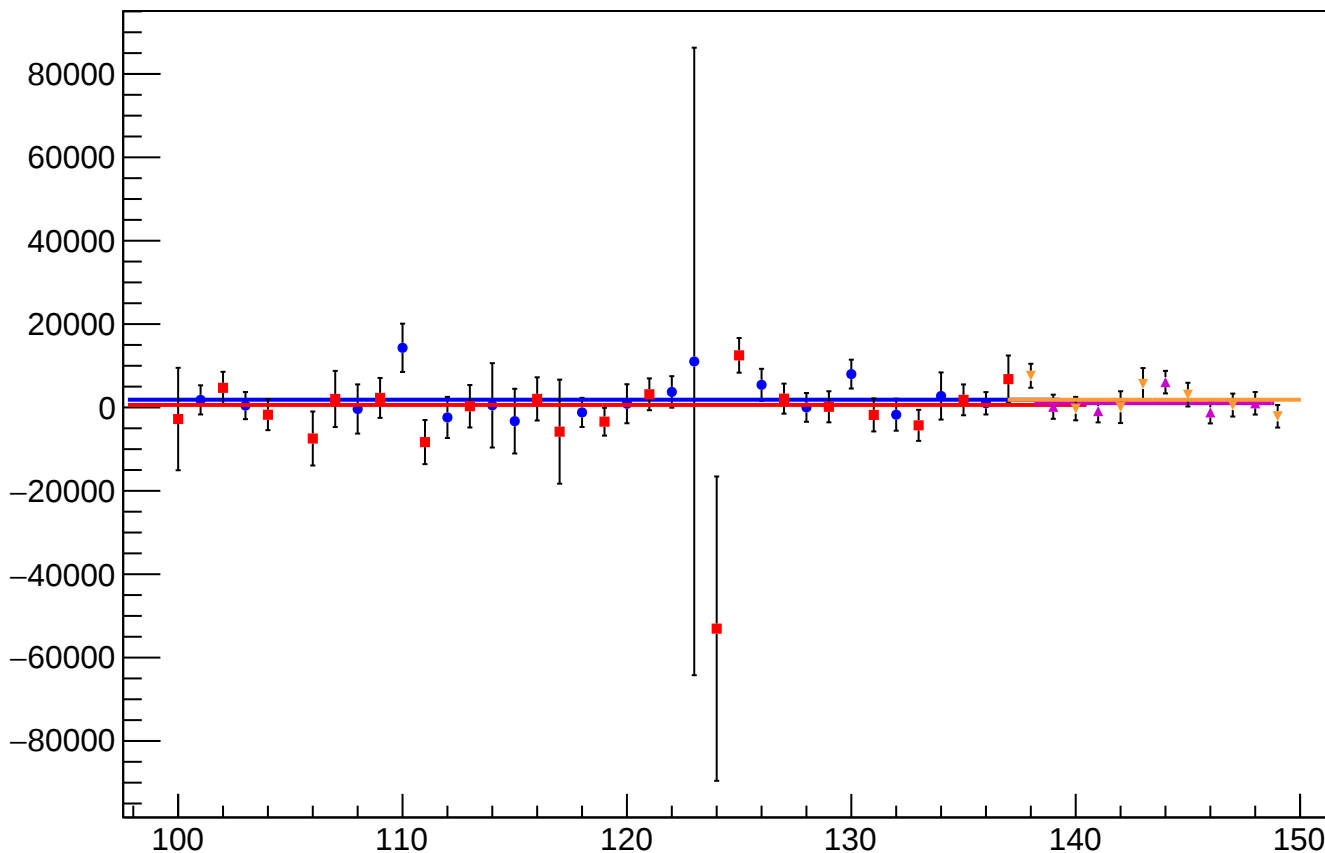
Left In: 968.102+/-0.340 χ^2/NDF : 7878.6/4

996.183+/-0.323 χ^2/NDF : 452962.9/6

982.865+/-0.234 χ^2/NDF : 464426.1/11

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: 1857.913+/-1134.115 χ^2/NDF : 8.3/6

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

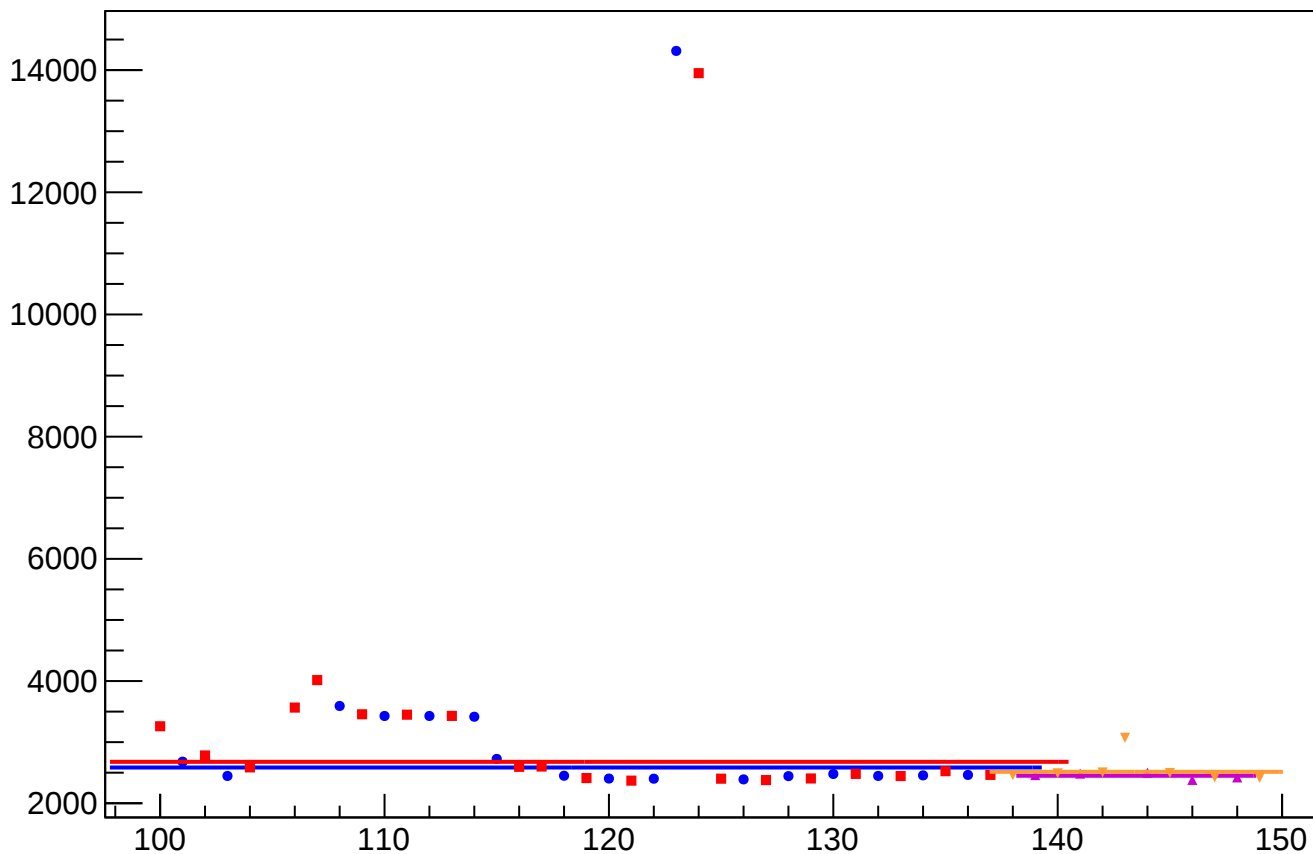
Left In: 1039.598+/-1220.716 χ^2/NDF : 4.8/4

1858.944+/-755.685 χ^2/NDF : 20.9/23

1342.060+/-543.709 χ^2/NDF : 49.0/48

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: 2514.409+/-0.802 χ^2/NDF : 48597.7/6

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

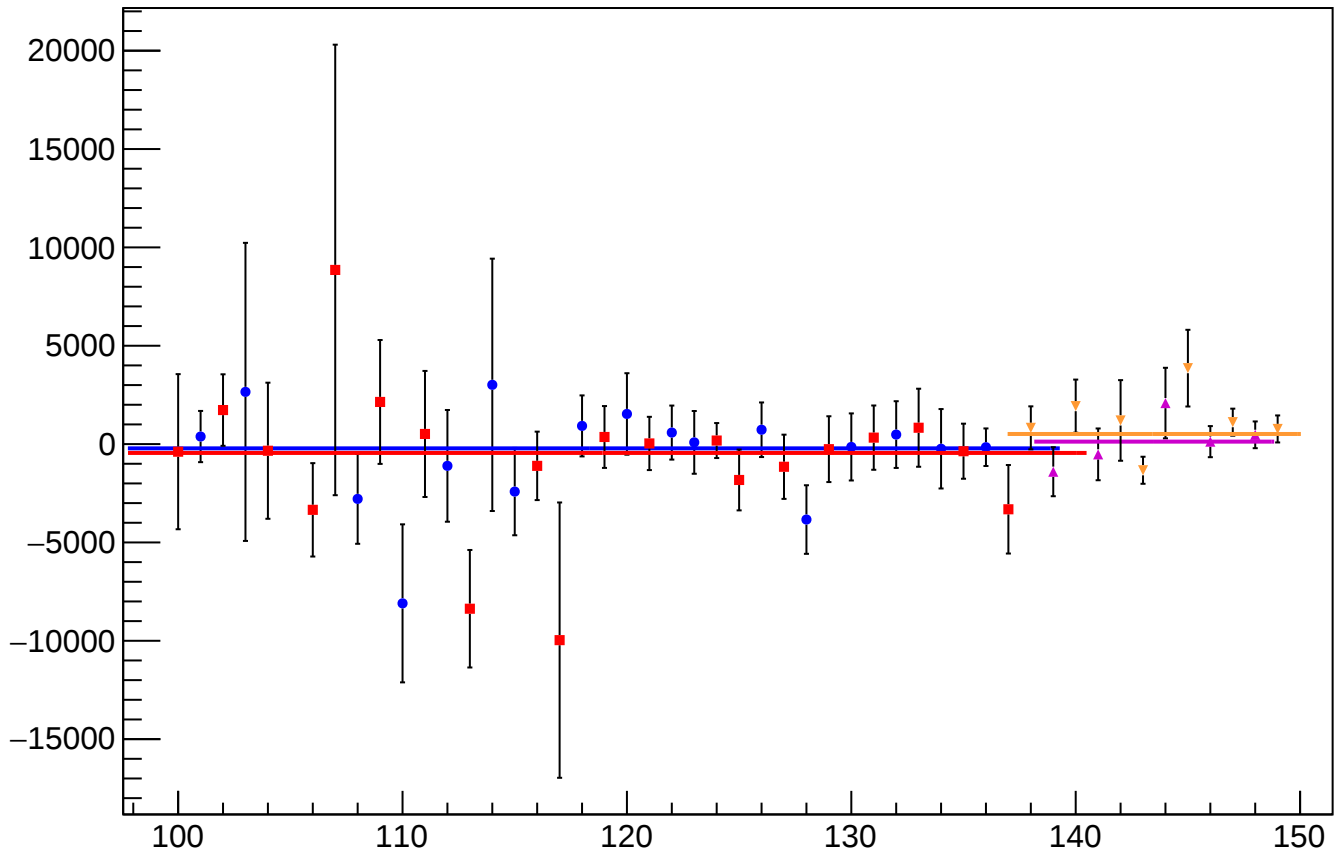
Left In: 2449.719+/-0.863 χ^2/NDF : 2580.8/4

2553.558+/-0.534 χ^2/NDF : 308594.3/23

2568.211+/-0.384 χ^2/NDF : 885978.5/48

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

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 513.984 ± 348.277 χ^2/NDF : 12.3/6

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

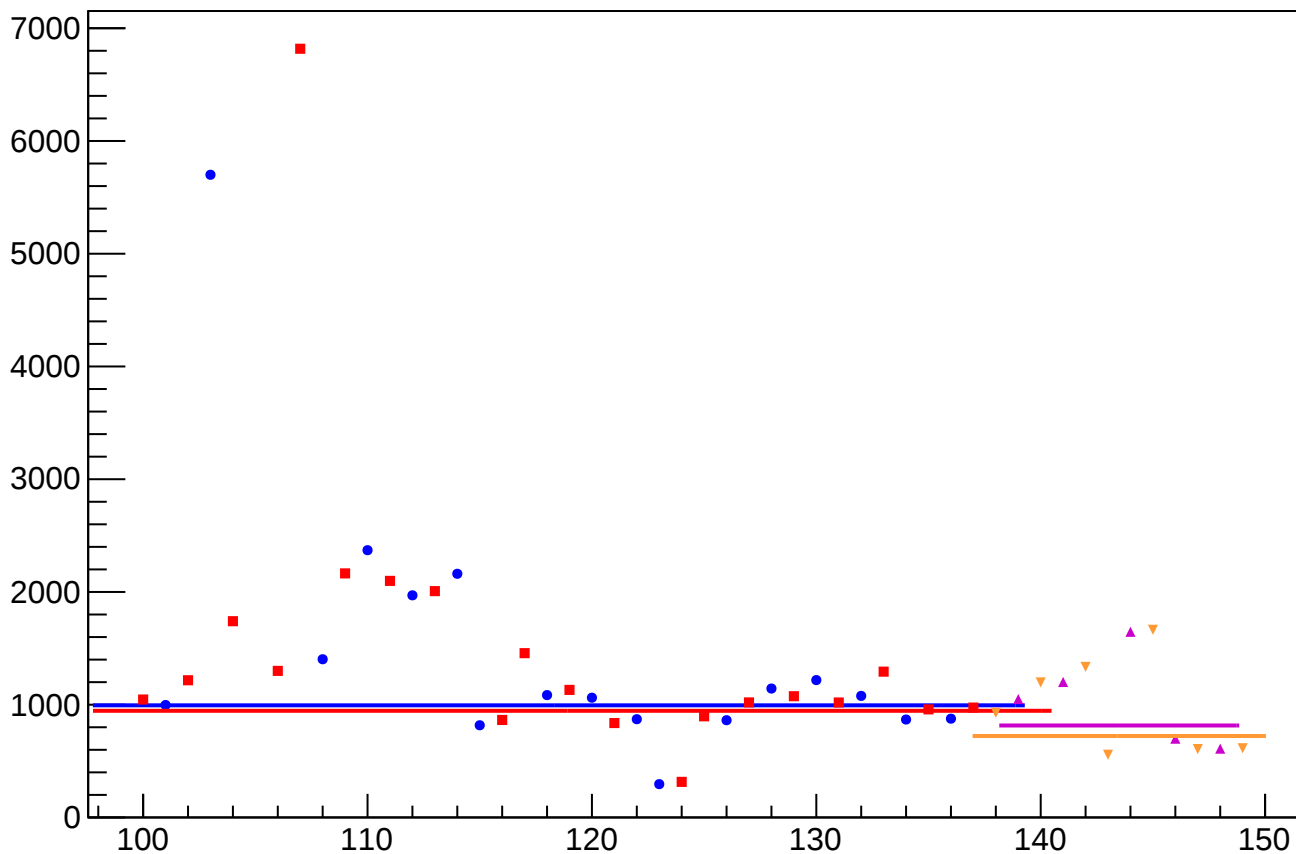
Left In: 125.037 ± 434.506 χ^2/NDF : 3.2/4

216.202 ± 268.114 χ^2/NDF : 27.5/23

38.564 ± 199.177 χ^2/NDF : 50.2/48

-180.200 ± 297.537 χ^2/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: 722.389 $\pm$ 0.246 χ^2 /NDF: 1189235.1/6

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

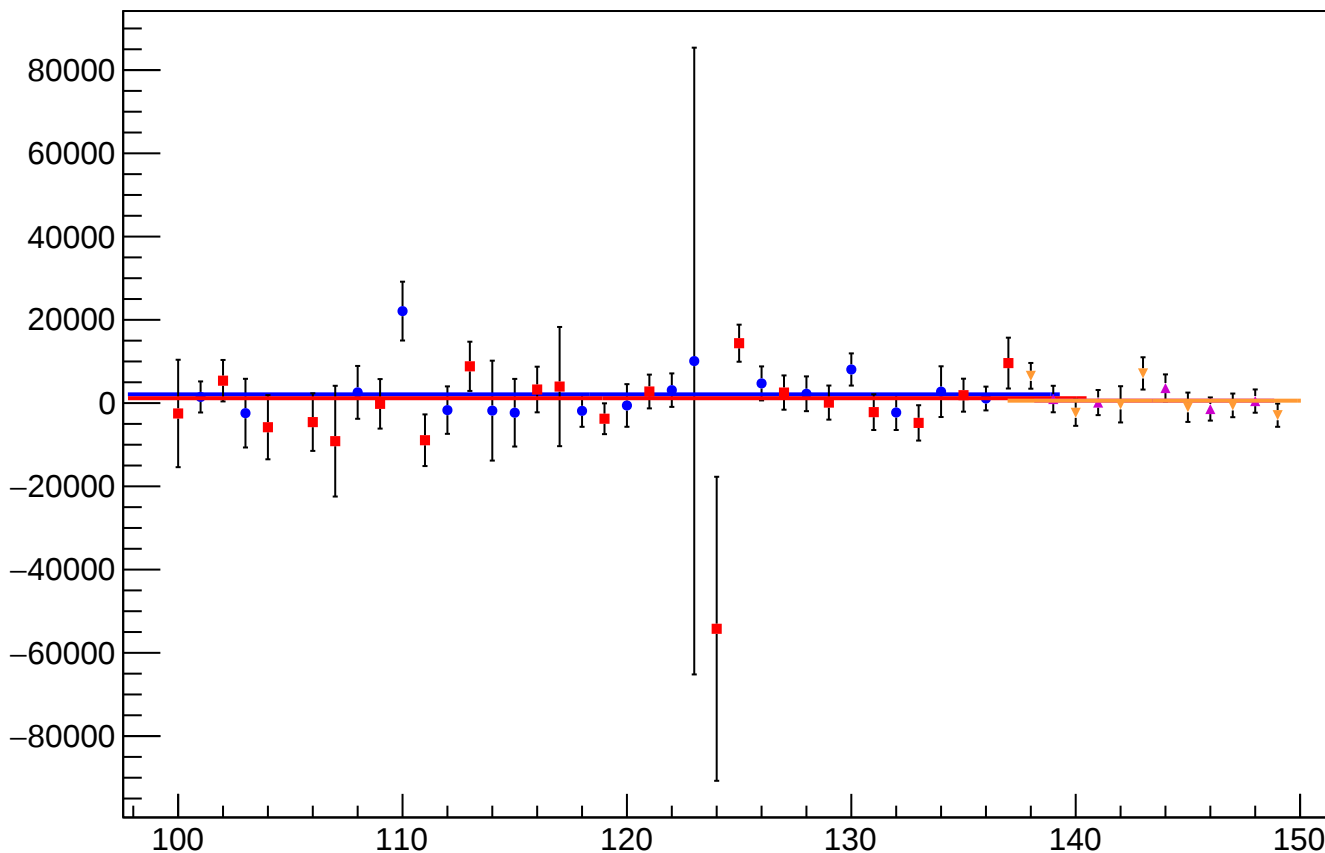
Left In: 815.788 $\pm$ 0.307 χ^2 /NDF: 898411.7/4

833.253 $\pm$ 0.190 χ^2 /NDF: 3591275.0/23

856.424 $\pm$ 0.141 χ^2 /NDF: 7295167.1/48

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

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2094.050 $\pm$ 1160.426 χ^2/NDF : 14.6/16

Left Out: 582.122 $\pm$ 1232.522 χ^2/NDF : 9.4/6

Right Out: 1167.038 $\pm$ 1182.950 χ^2/NDF : 25.2/19

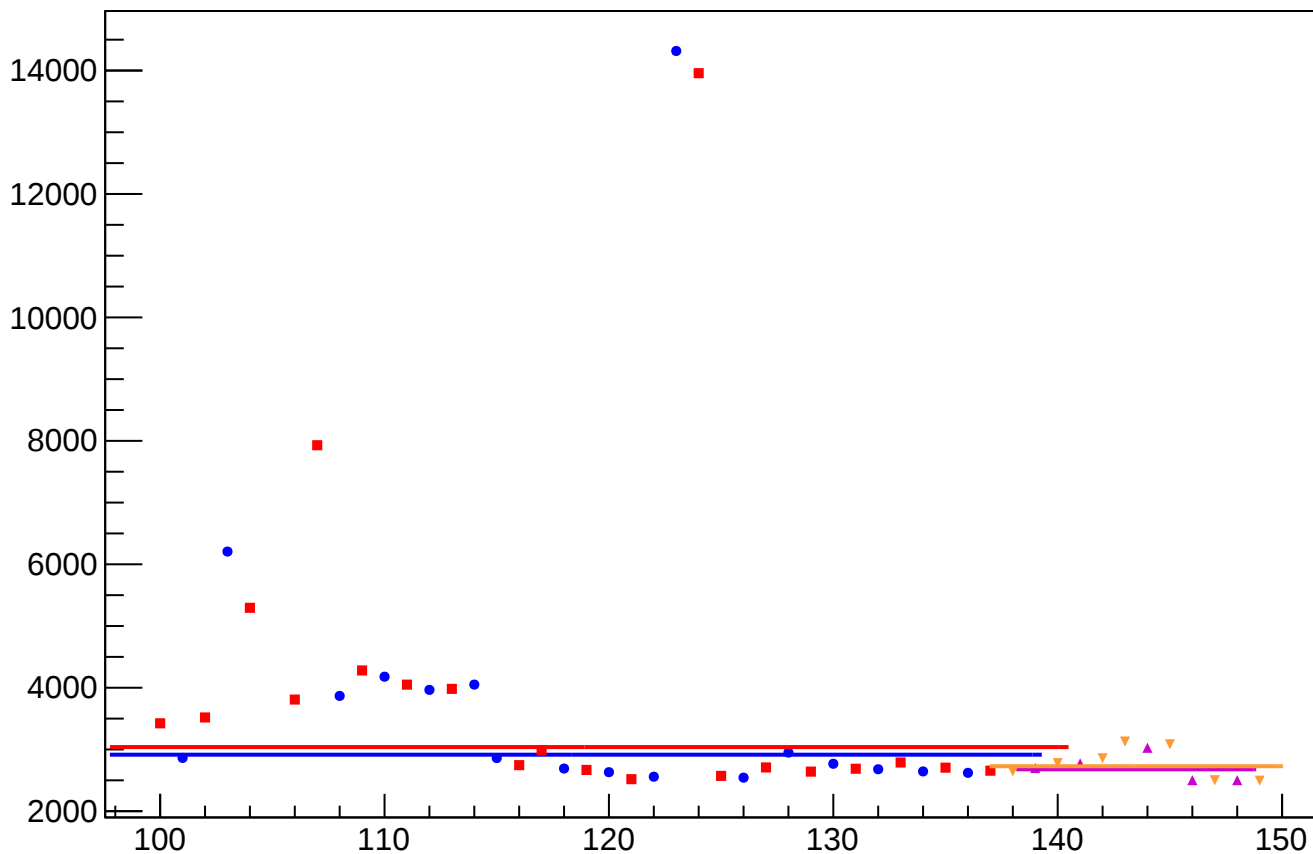
Left In: 579.617 $\pm$ 1338.161 χ^2/NDF : 1.4/4

1383.597 $\pm$ 844.883 χ^2/NDF : 24.8/23

1157.813 $\pm$ 611.538 χ^2/NDF : 51.7/48

909.356 $\pm$ 886.291 χ^2/NDF : 26.7/24

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2728.252+/-0.872 χ^2/NDF : 72119.6/6

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

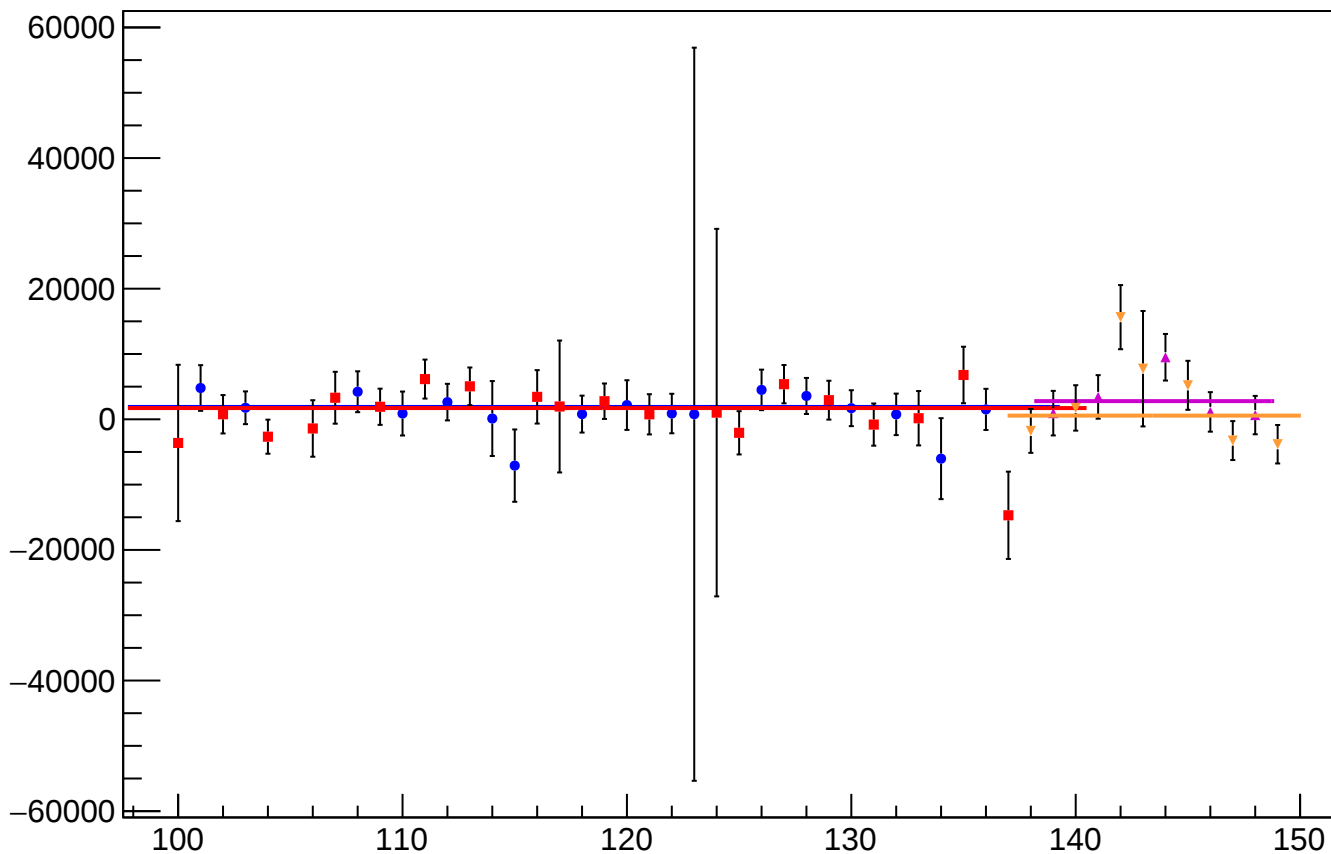
Left In: 2678.358+/-0.946 χ^2/NDF : 40627.8/4

2827.354+/-0.597 χ^2/NDF : 735647.9/23

2852.735+/-0.432 χ^2/NDF : 1872914.8/48

2880.665+/-0.627 χ^2/NDF : 1133475.9/24

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1889.943 ± 811.431 $\chi^2/\text{NDF}: 7.3/16$

Left Out: 566.833 ± 1380.799 $\chi^2/\text{NDF}: 16.1/6$

Right Out: 1720.591 ± 787.704 $\chi^2/\text{NDF}: 19.0/19$

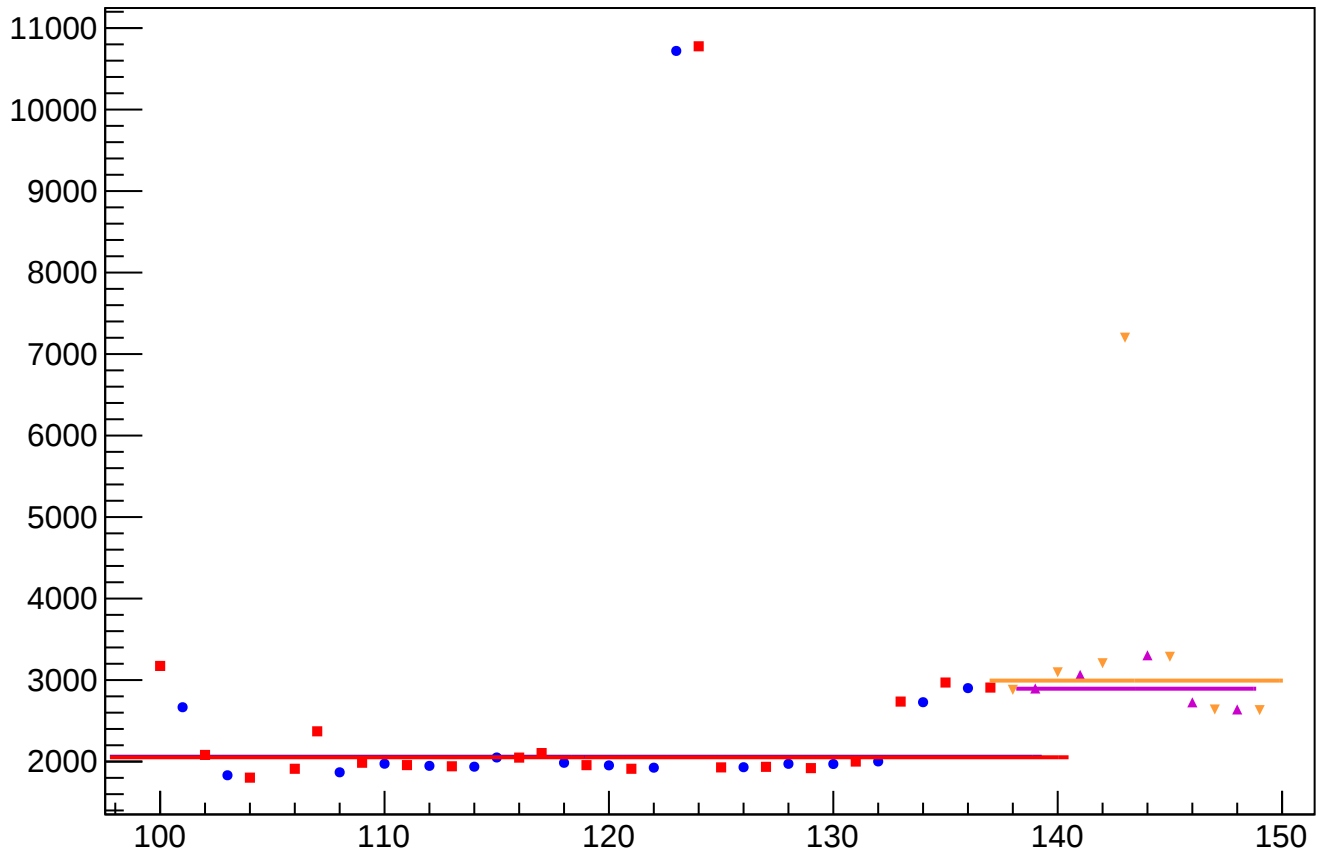
Left In: 2782.783 ± 1444.178 $\chi^2/\text{NDF}: 4.7/4$

1550.312 ± 699.578 $\chi^2/\text{NDF}: 24.0/23$

1759.619 ± 491.805 $\chi^2/\text{NDF}: 48.3/48$

1964.137 ± 691.528 $\chi^2/\text{NDF}: 24.1/24$

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2993.523 +/- 0.976 χ^2/NDF : 531775.7/6

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

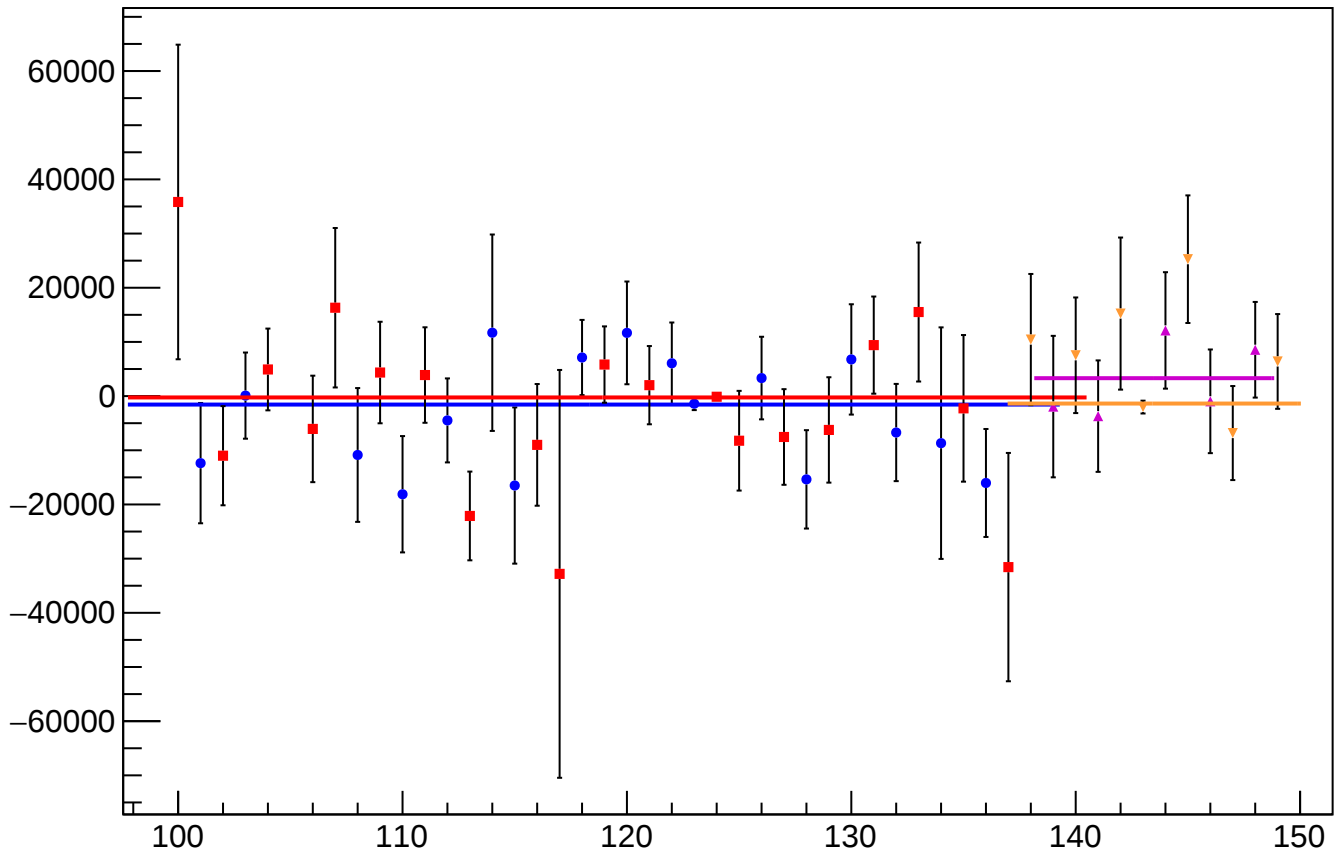
Left In: 2894.072 +/- 1.021 χ^2/NDF : 52731.6/4

2298.857 +/- 0.495 χ^2/NDF : 1531346.0/23

2271.878 +/- 0.348 χ^2/NDF : 2556676.2/48

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: -1375.648 $\pm$ 1140.181 χ^2 /NDF: 9.7/6

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

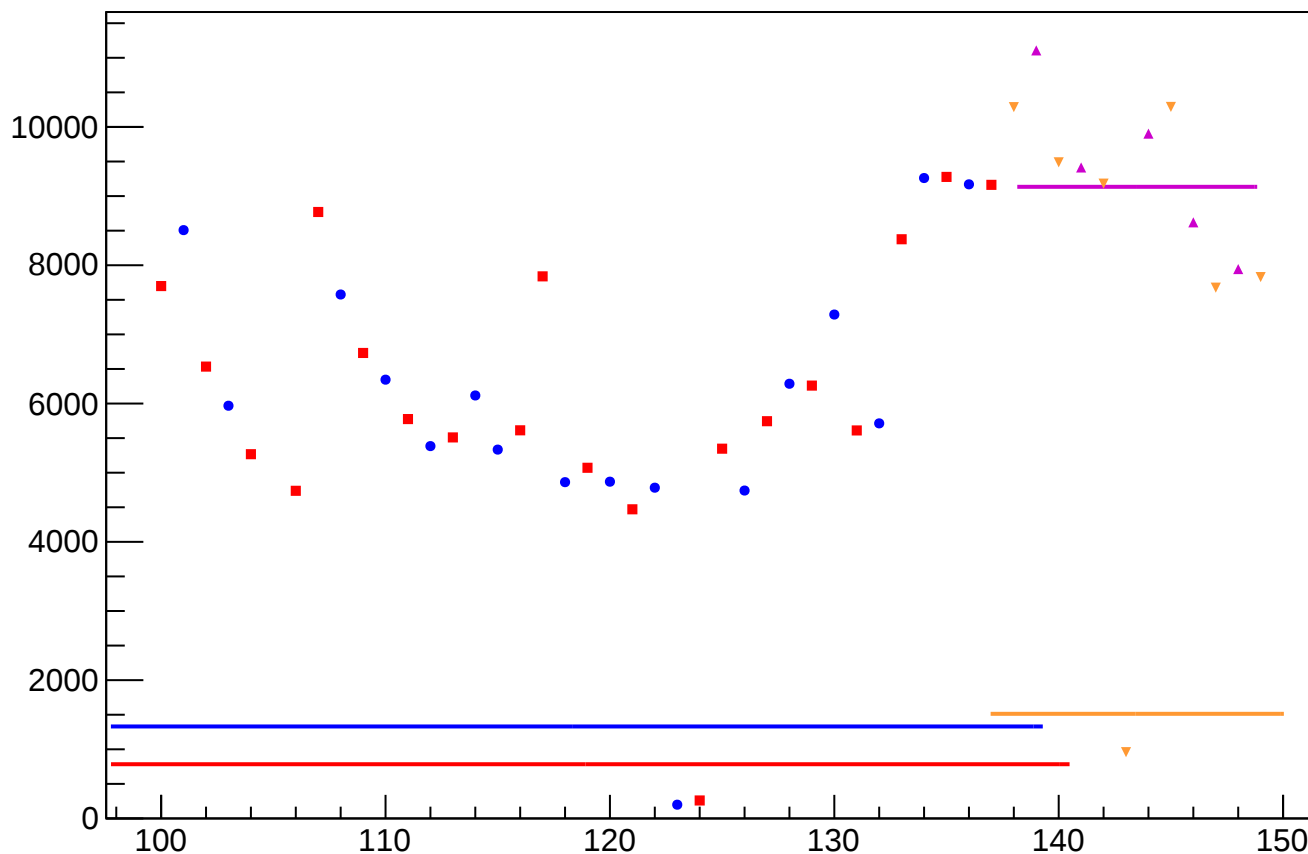
Left In: 3307.880 $\pm$ 4577.078 χ^2 /NDF: 1.9/4

-1476.794 $\pm$ 773.945 χ^2 /NDF: 25.9/23

-744.479 $\pm$ 513.855 χ^2 /NDF: 51.5/48

-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: 1513.140+/-0.806 χ^2/NDF : 6366273.1/6

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

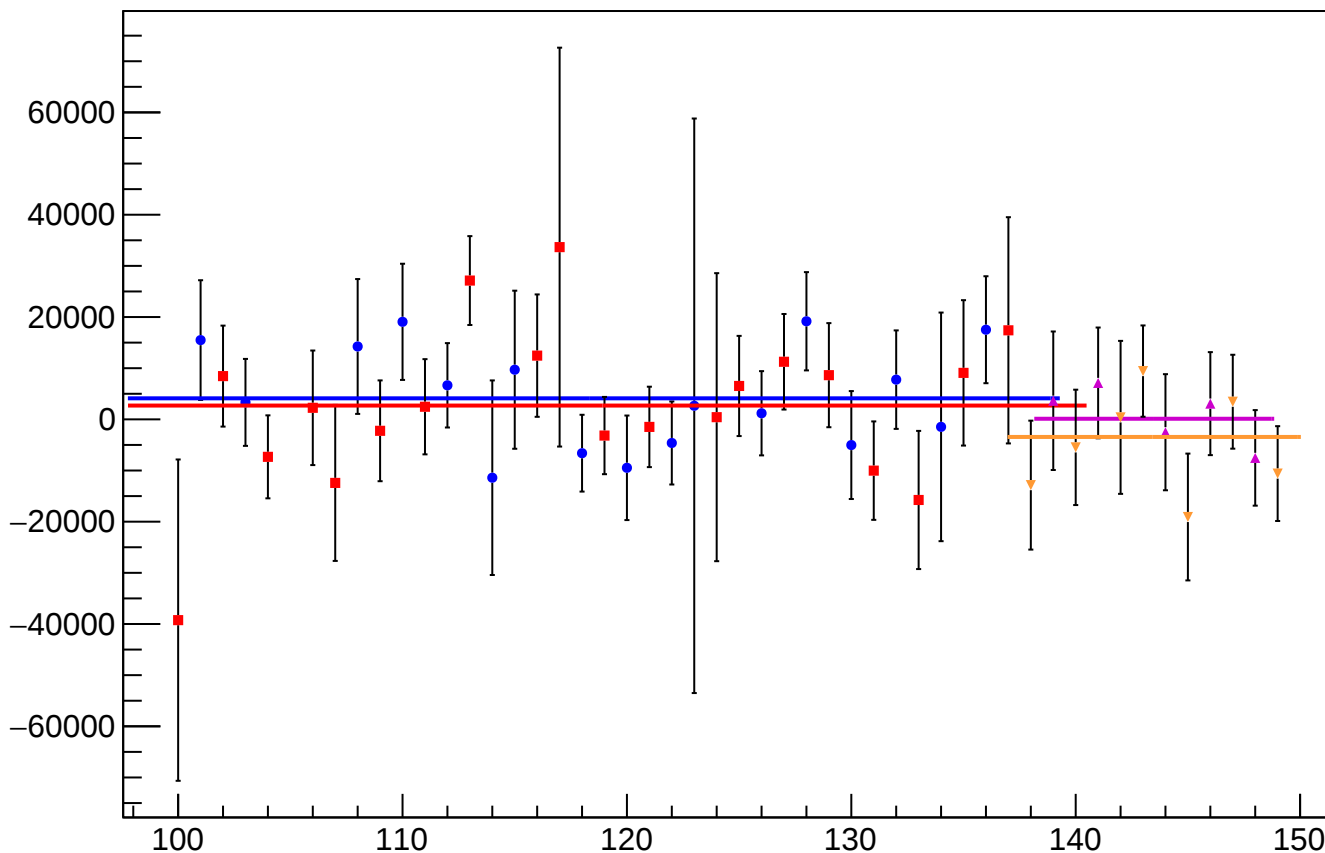
Left In: 9134.211+/-3.236 χ^2/NDF : 99446.1/4

1414.518+/-0.547 χ^2/NDF : 16440851.1/23

1167.329+/-0.363 χ^2/NDF : 34921435.5/4

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: -3438.348 $\pm$ 4041.377 χ^2 /NDF: 5.5/6

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

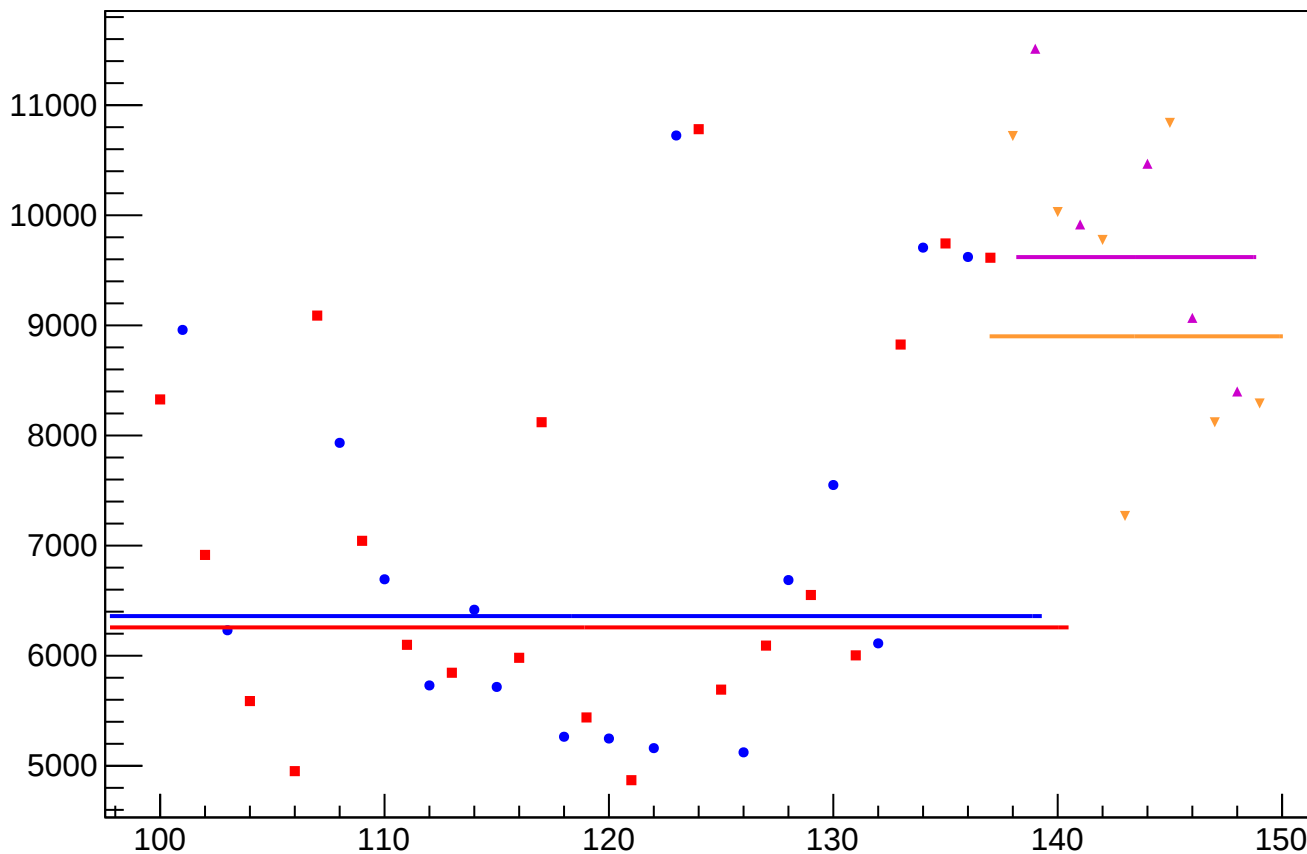
Left In: 117.954 $\pm$ 4817.458 χ^2 /NDF: 1.3/4

1980.598 $\pm$ 2147.152 χ^2 /NDF: 22.3/23

2079.152 $\pm$ 1522.616 χ^2 /NDF: 44.4/48

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

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 8900.634 $\pm$ 2.858 χ^2/NDF : 207508.8/6

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

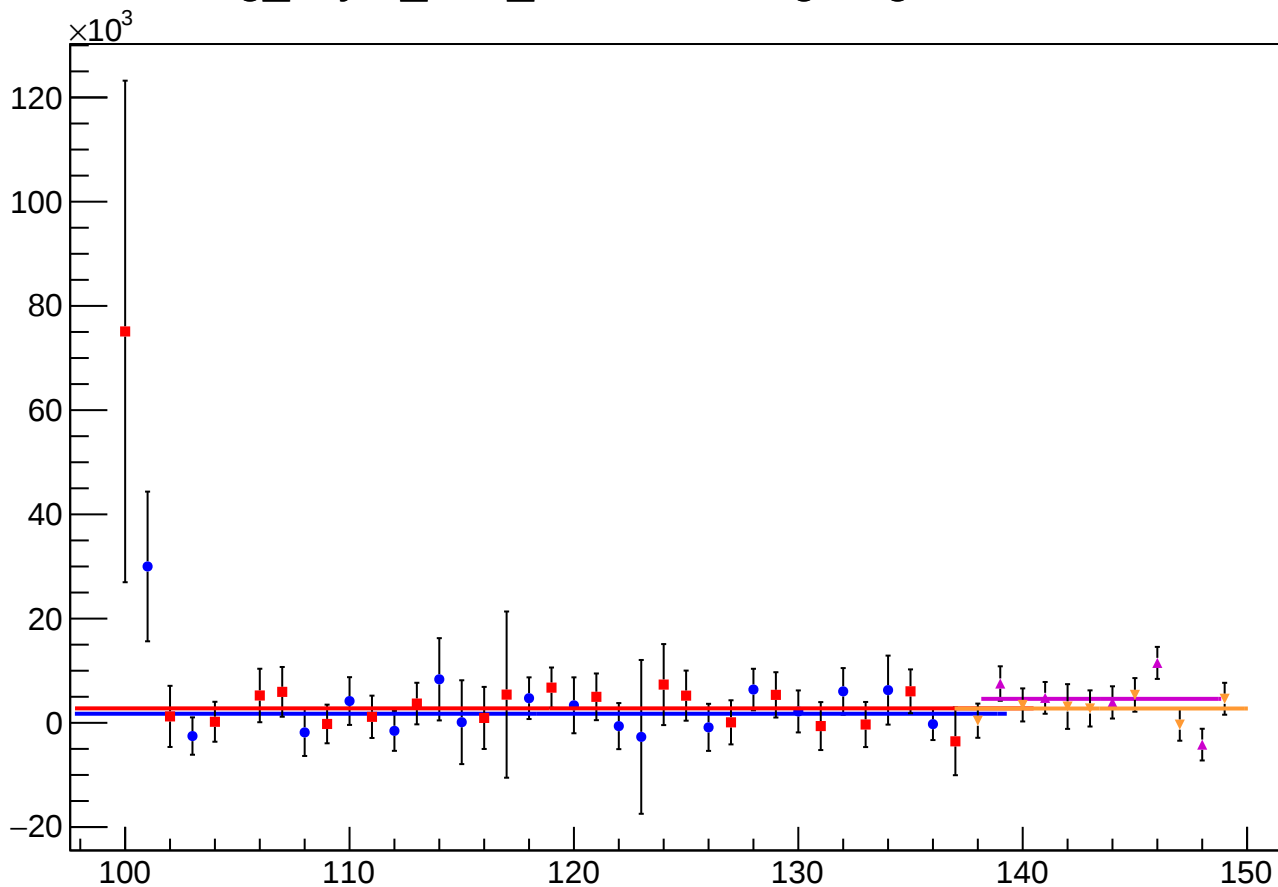
Left In: 9620.285 $\pm$ 3.406 χ^2/NDF : 91921.3/4

7077.092 $\pm$ 1.518 χ^2/NDF : 1355317.4/23

7005.440 $\pm$ 1.077 χ^2/NDF : 2768110.1/48

6932.966 $\pm$ 1.527 χ^2/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: 2749.668 ± 1252.441 χ^2/NDF : 2.6/6

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

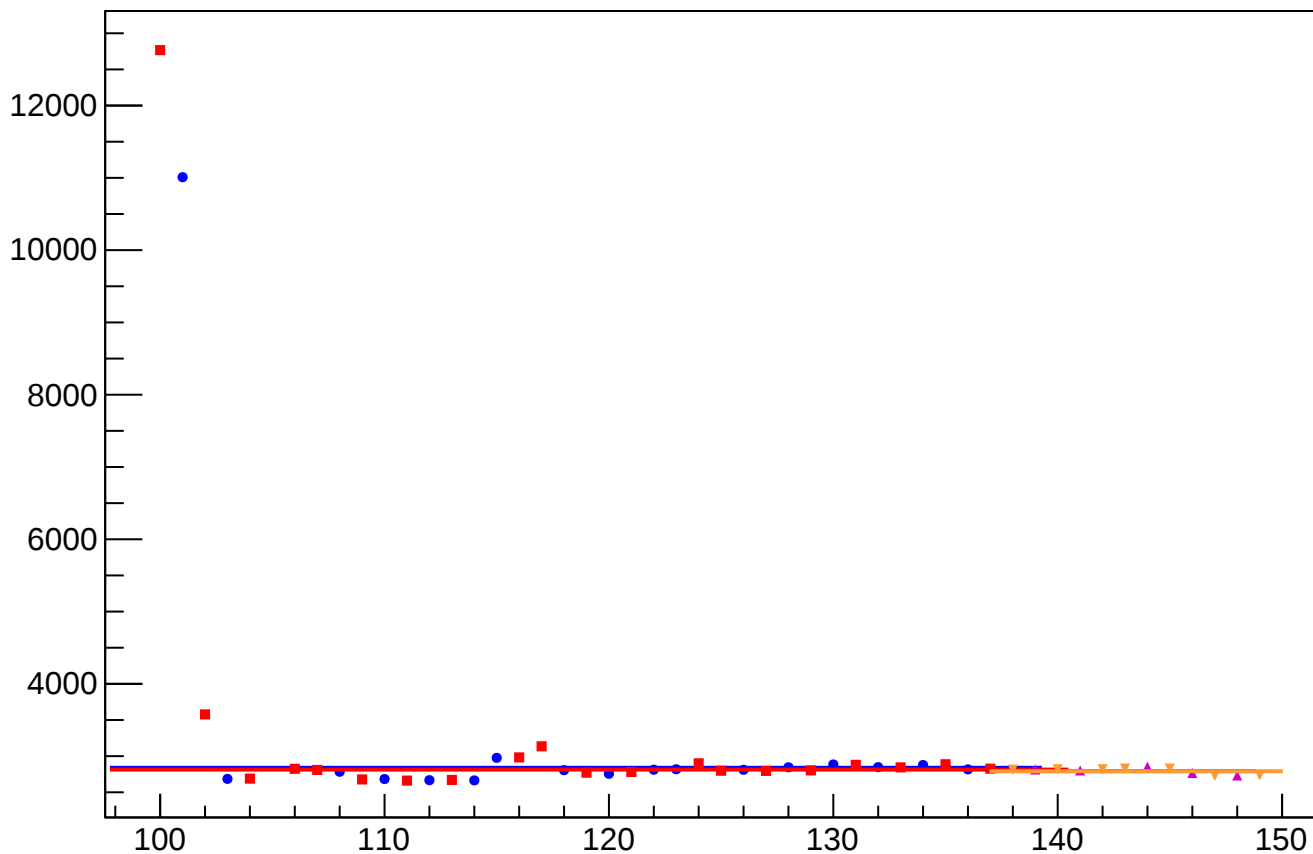
Left In: 4601.706 ± 1389.890 χ^2/NDF : 14.2/4

2195.739 ± 838.383 χ^2/NDF : 15.2/23

2818.409 ± 596.066 χ^2/NDF : 41.3/48

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: 2791.250+/-0.886 χ^2/NDF : 2357.1/6

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

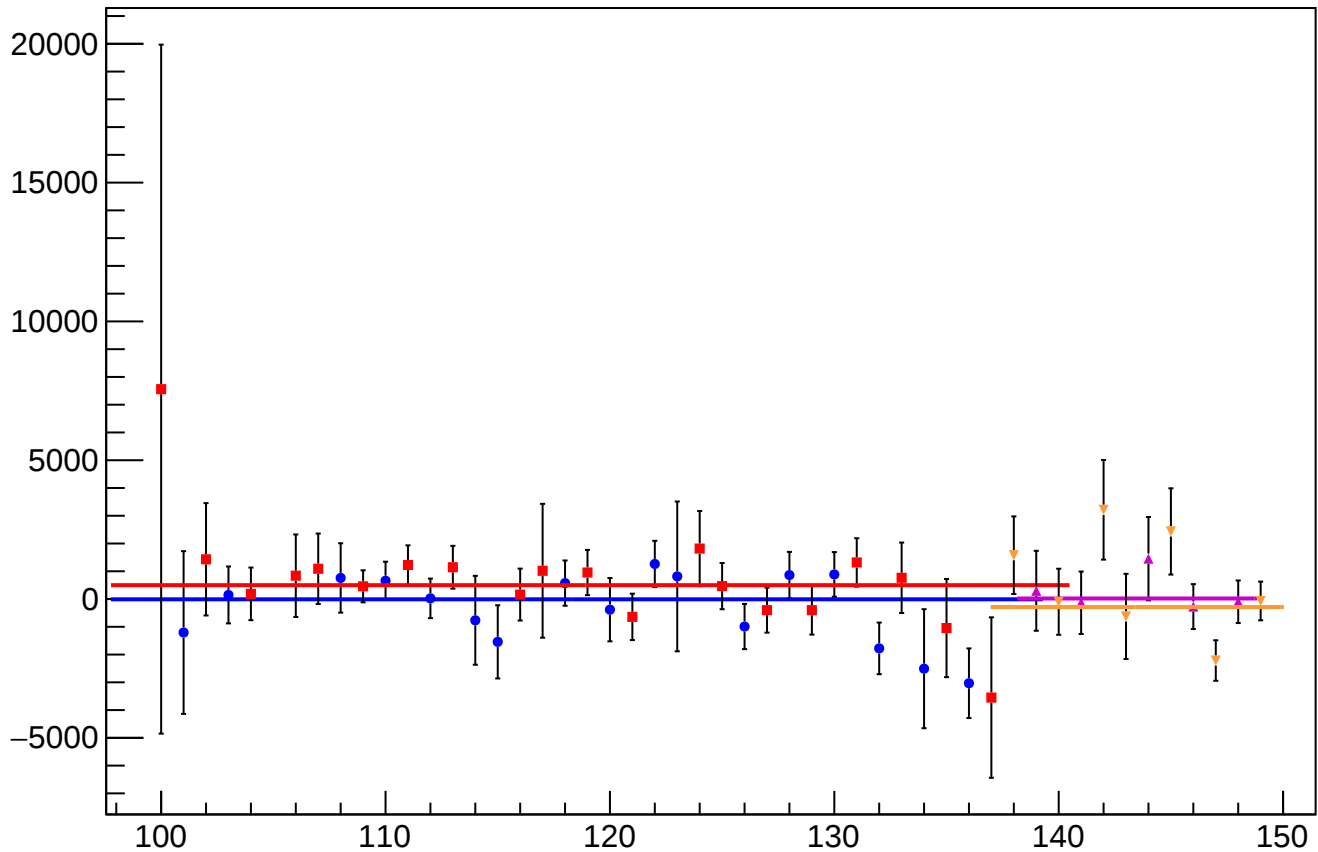
Left In: 2793.171+/-0.983 χ^2/NDF : 1834.6/4

2817.459+/-0.593 χ^2/NDF : 664153.2/23

2811.943+/-0.421 χ^2/NDF : 800330.9/48

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: -288.780 ± 398.209 χ^2/NDF : 15.8/6

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

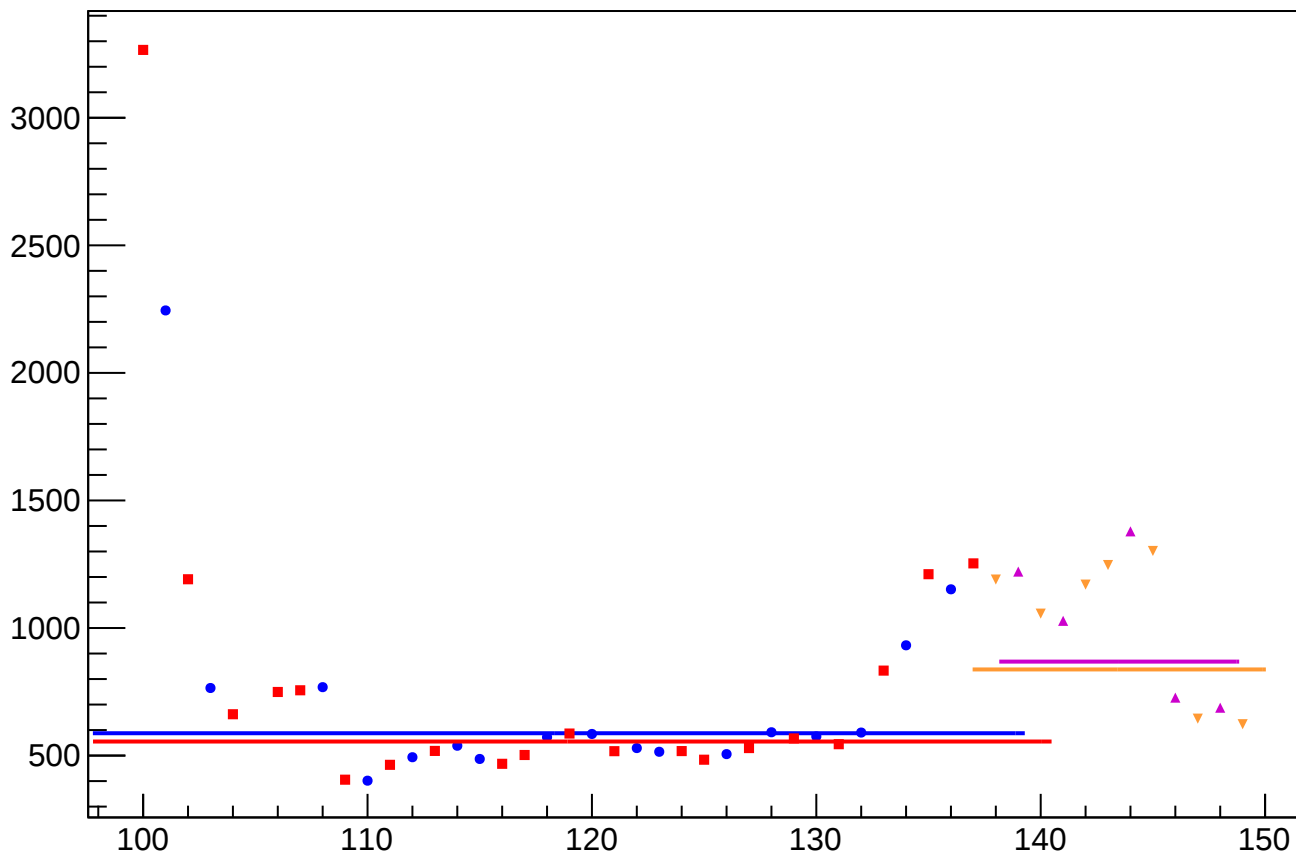
Left In: 20.131 ± 449.599 χ^2/NDF : 1.1/4

-84.931 ± 206.605 χ^2/NDF : 36.9/23

171.273 ± 142.958 χ^2/NDF : 53.8/48

406.616 ± 198.015 χ^2/NDF : 14.0/24

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 837.615+/-0.282 χ^2/NDF : 914038.1/6

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

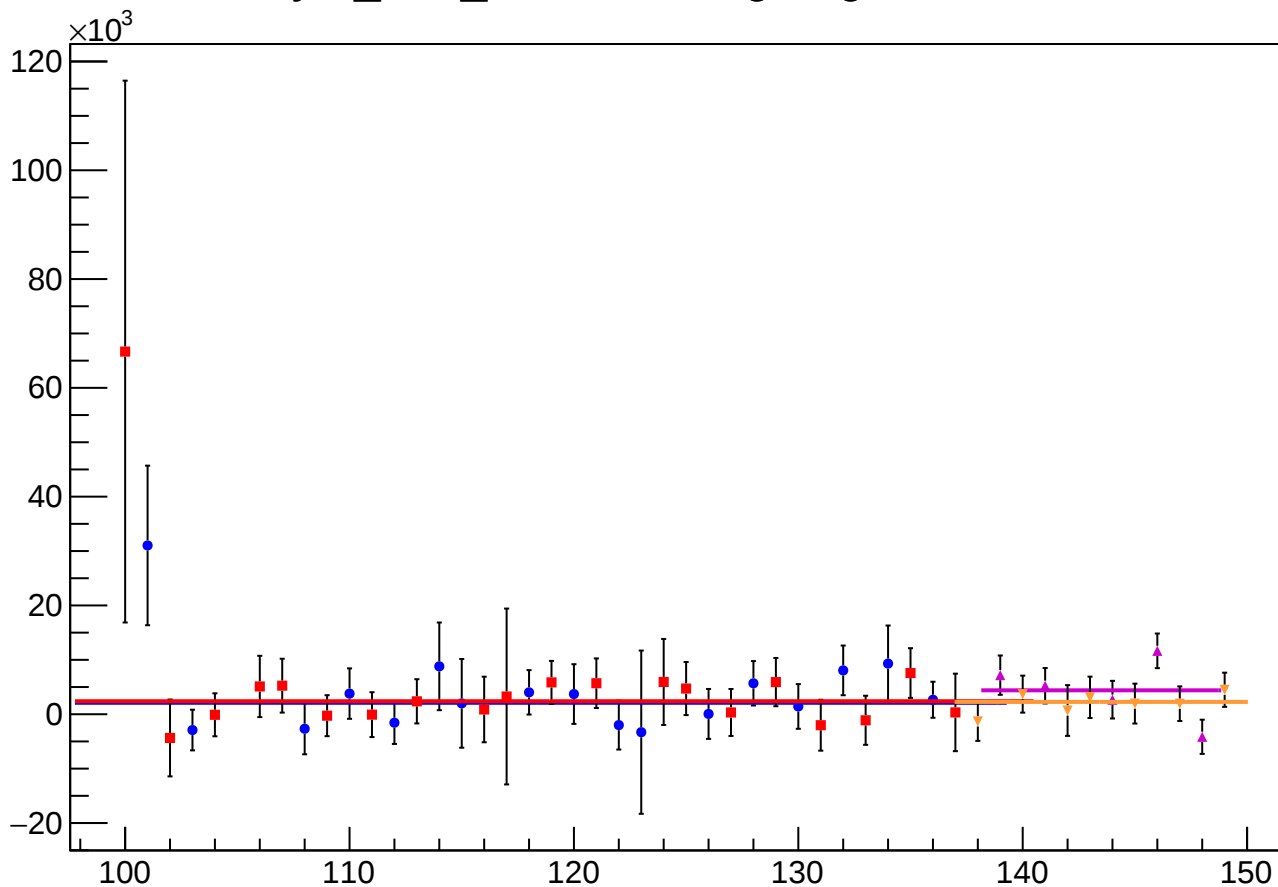
Left In: 868.344+/-0.318 χ^2/NDF : 563883.3/4

654.899+/-0.146 χ^2/NDF : 2915984.8/23

634.546+/-0.101 χ^2/NDF : 5407407.5/48

615.851+/-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: 2265.599+/-1343.016 χ^2/NDF : 1.9/6

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

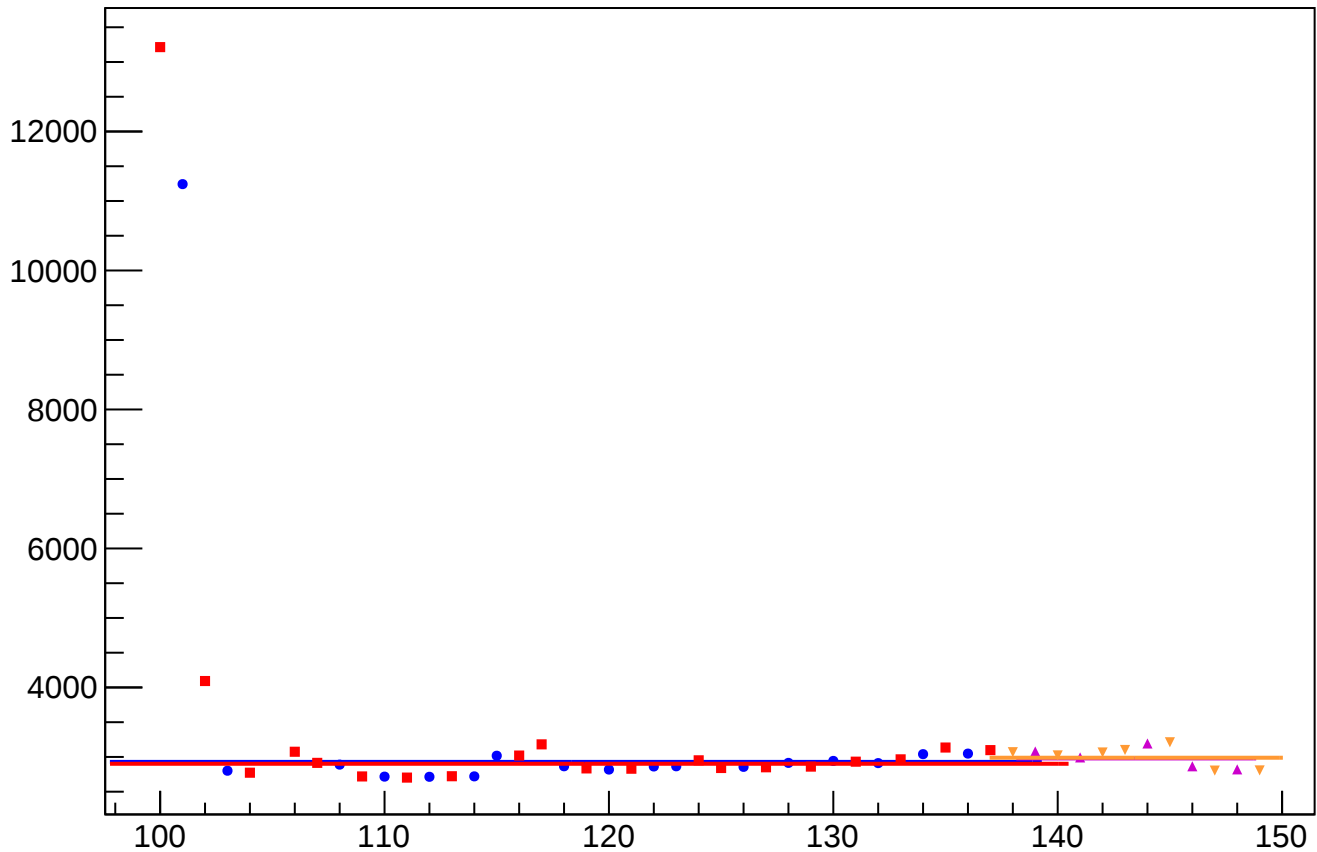
Left In: 4395.223+/-1483.518 χ^2/NDF : 13.5/4

2175.910+/-879.750 χ^2/NDF : 15.4/23

2637.690+/-624.815 χ^2/NDF : 40.5/48

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: 2988.765+/-0.950 χ^2/NDF : 24326.7/6

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

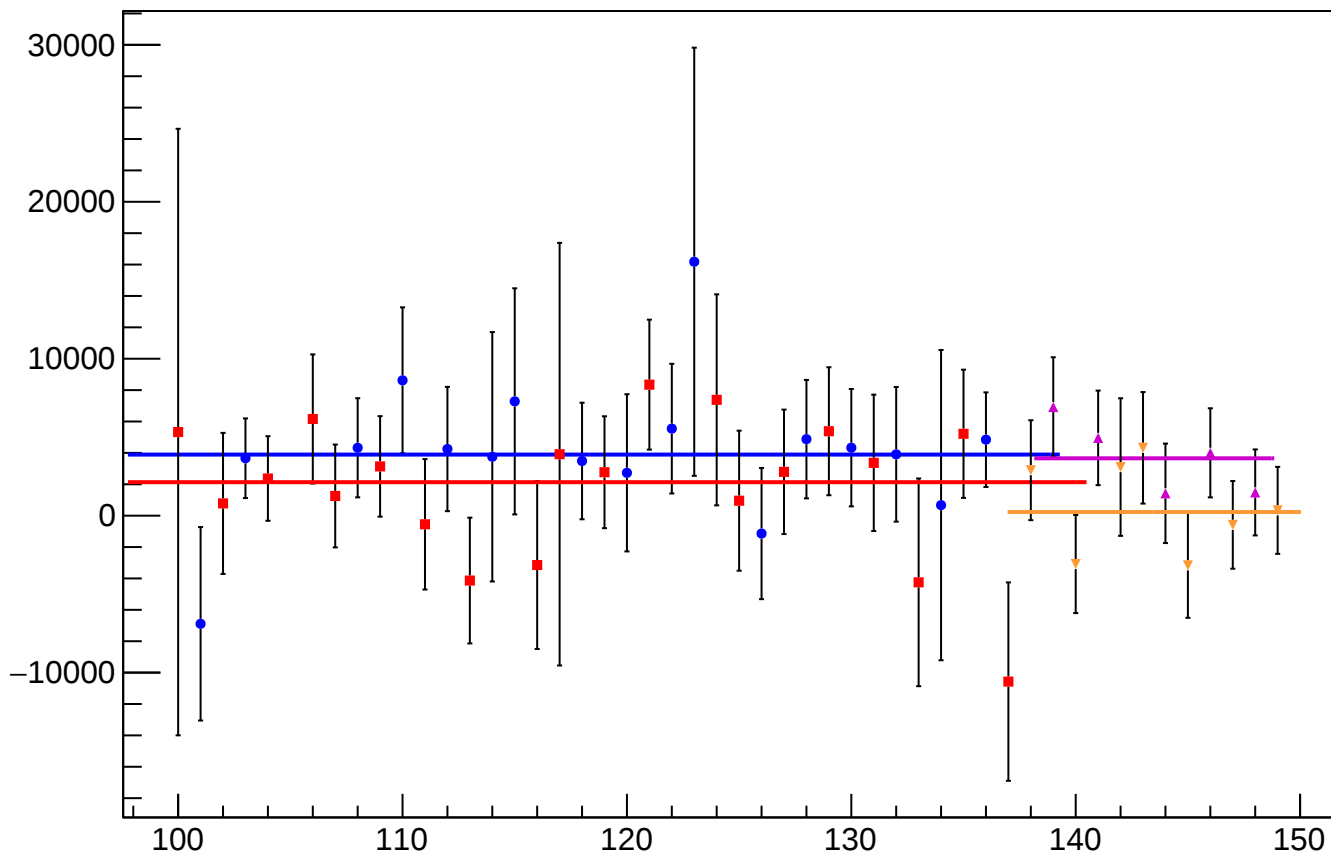
Left In: 2978.427+/-1.049 χ^2/NDF : 16858.0/4

2954.474+/-0.622 χ^2/NDF : 688973.4/23

2941.959+/-0.442 χ^2/NDF : 880395.9/48

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: 234.004+/-1212.500 χ^2/NDF : 4.7/6

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

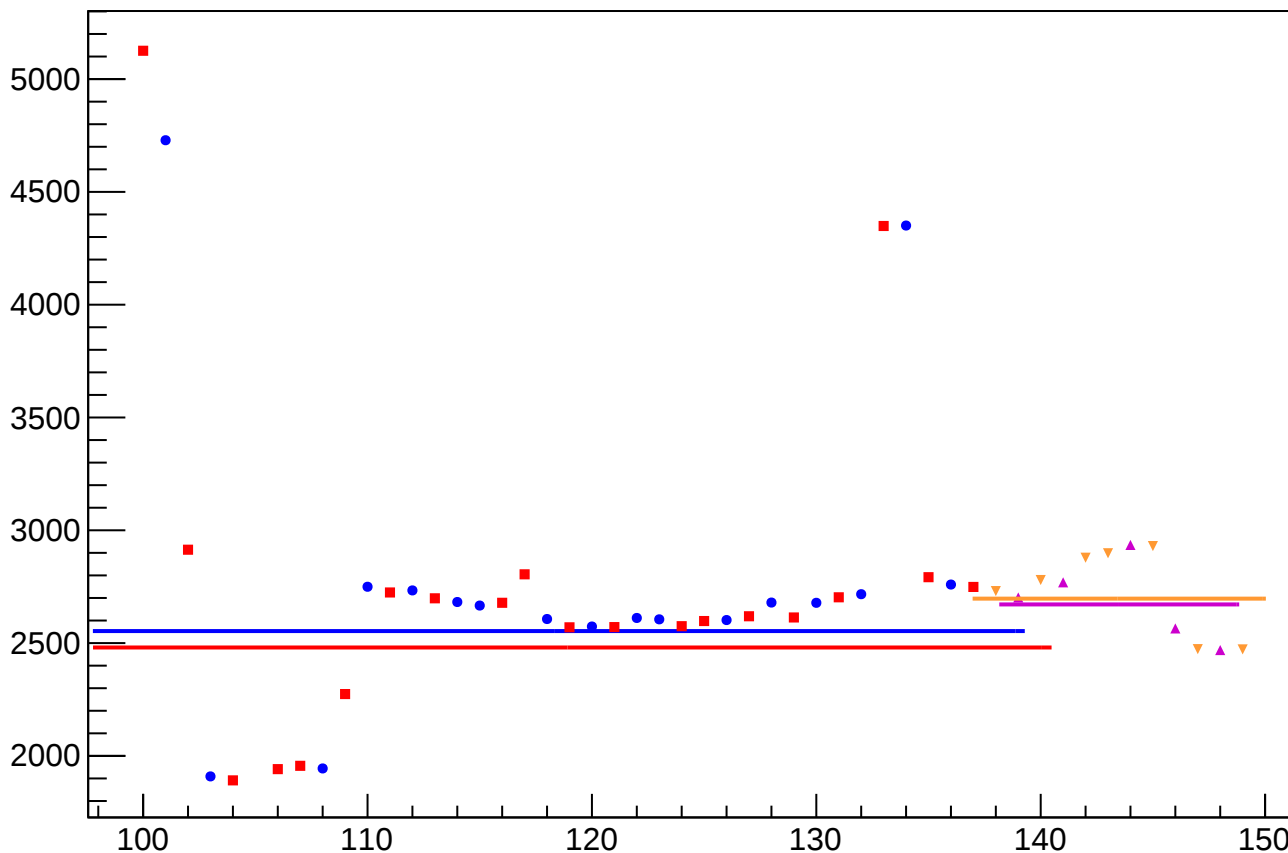
Left In: 3654.320+/-1328.731 χ^2/NDF : 2.4/4

2390.839+/-776.813 χ^2/NDF : 17.2/23

2521.749+/-549.008 χ^2/NDF : 34.9/48

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: 2697.038 ± 0.857 χ^2/NDF : 47186.1/6

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

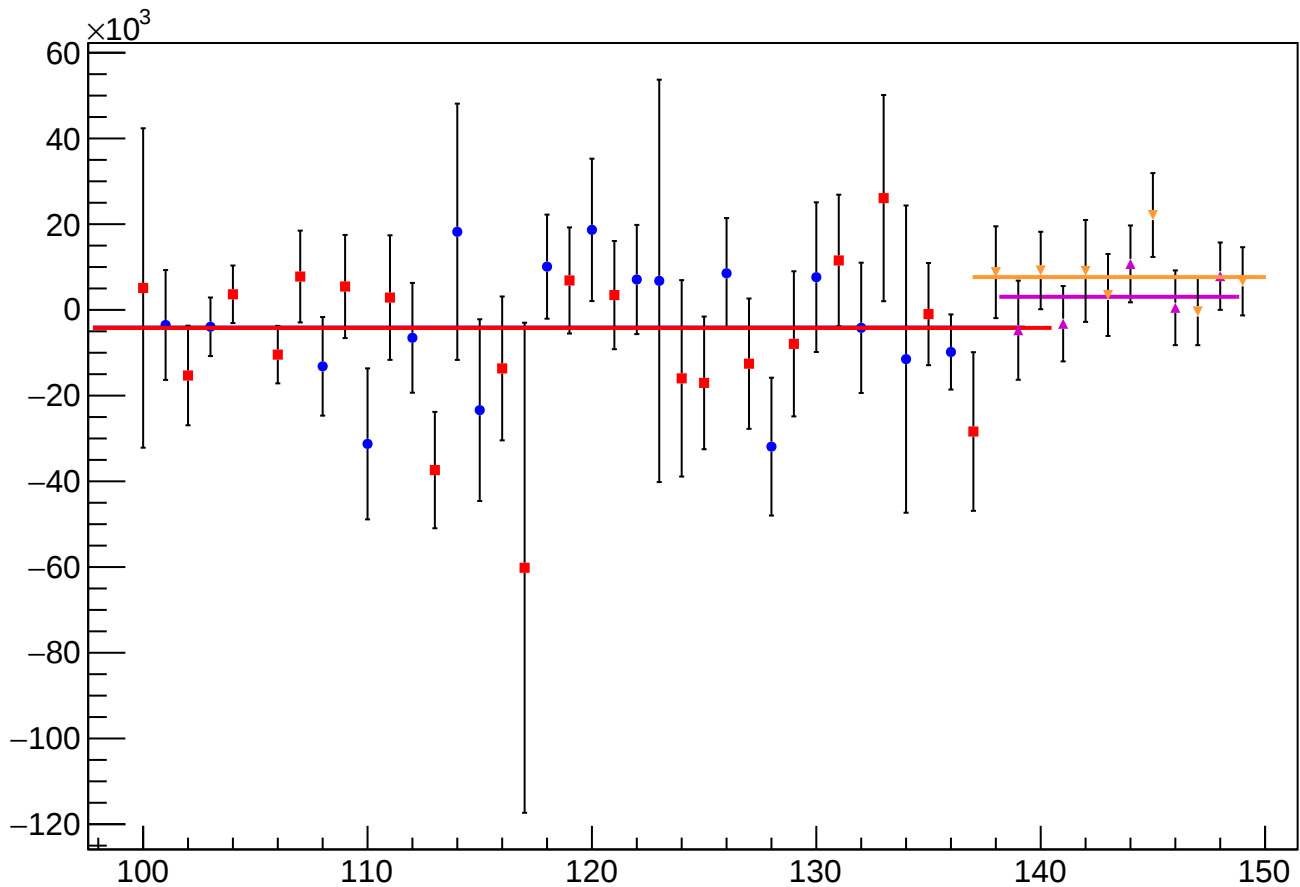
Left In: 2671.368 ± 0.940 χ^2/NDF : 29866.5/4

2612.287 ± 0.549 χ^2/NDF : 608987.6/23

2578.912 ± 0.388 χ^2/NDF : 1124091.0/48

2545.605 ± 0.549 χ^2/NDF : 507727.2/24

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -4126.319 $\pm$ 3227.044 χ^2 /NDF: 13.4/16

Left Out: 7652.953 $\pm$ 3505.904 χ^2 /NDF: 3.5/6

Right Out: -4197.870 $\pm$ 2830.850 χ^2 /NDF: 19.5/19

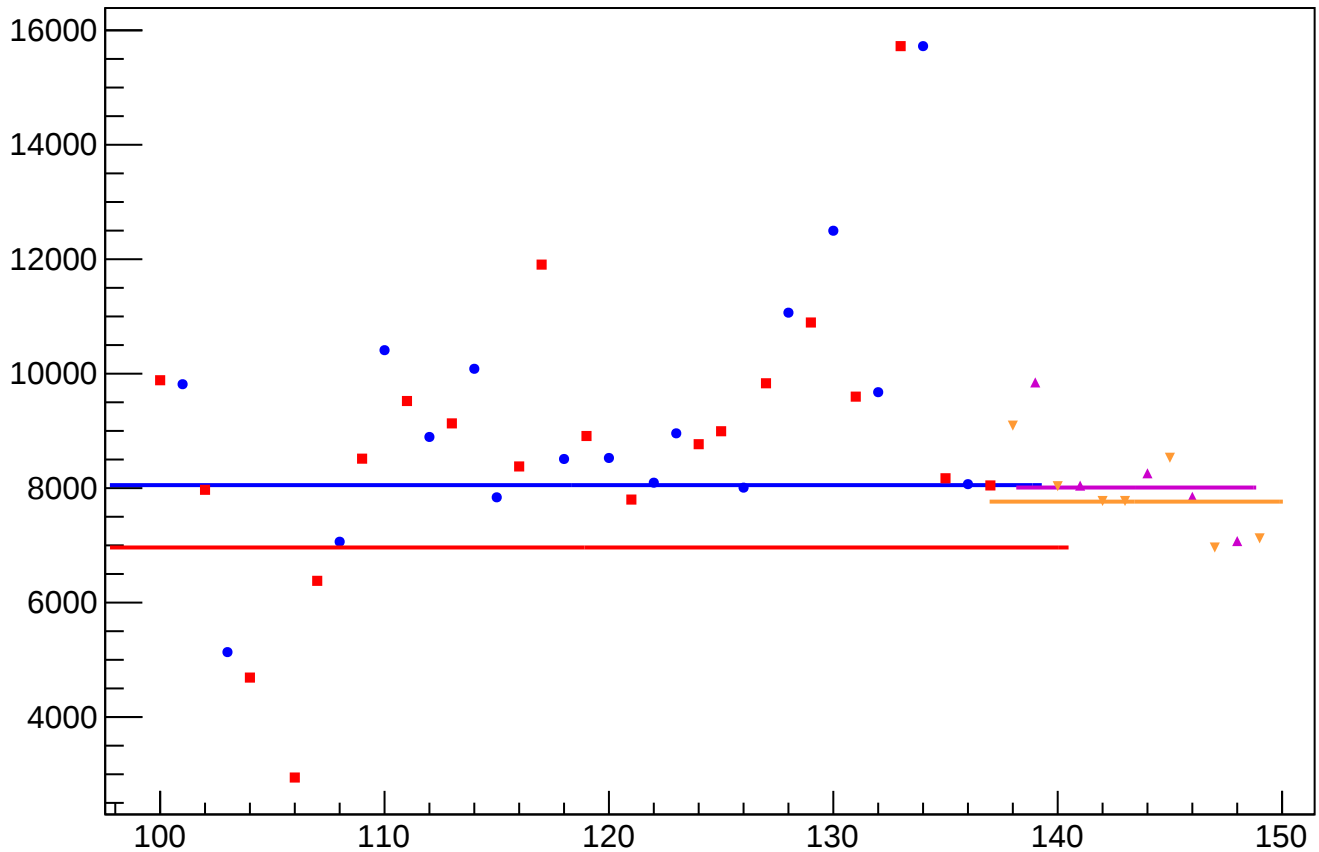
Left In: 3055.345 $\pm$ 4010.071 χ^2 /NDF: 2.2/4

1276.286 $\pm$ 2374.338 χ^2 /NDF: 23.0/23

-294.881 $\pm$ 1656.672 χ^2 /NDF: 47.6/48

-1785.475 $\pm$ 2312.656 χ^2 /NDF: 23.8/24

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8052.552 $\pm$ 2.282 χ^2/NDF : 790724.2/16

Left Out: 7764.368 $\pm$ 2.479 χ^2/NDF : 78583.3/6

Right Out: 6963.091 $\pm$ 2.002 χ^2/NDF : 1791563.9/19

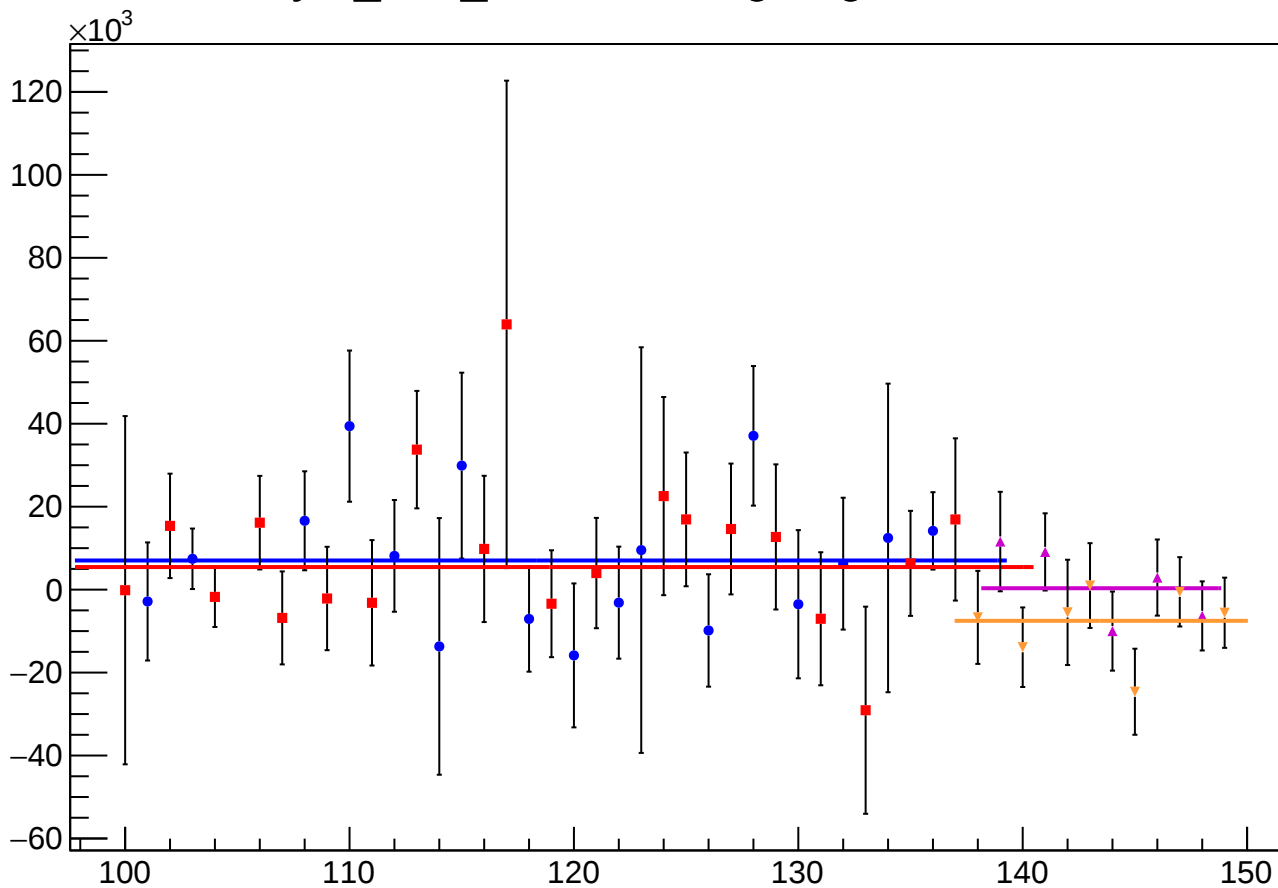
Left In: 8010.566 $\pm$ 2.836 χ^2/NDF : 81017.5/4

7920.375 $\pm$ 1.679 χ^2/NDF : 876623.0/23

7607.915 $\pm$ 1.171 χ^2/NDF : 2907777.0/48

7311.477 $\pm$ 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: -7521.467 $\pm$ 3722.046 χ^2/NDF : 4.6/6

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

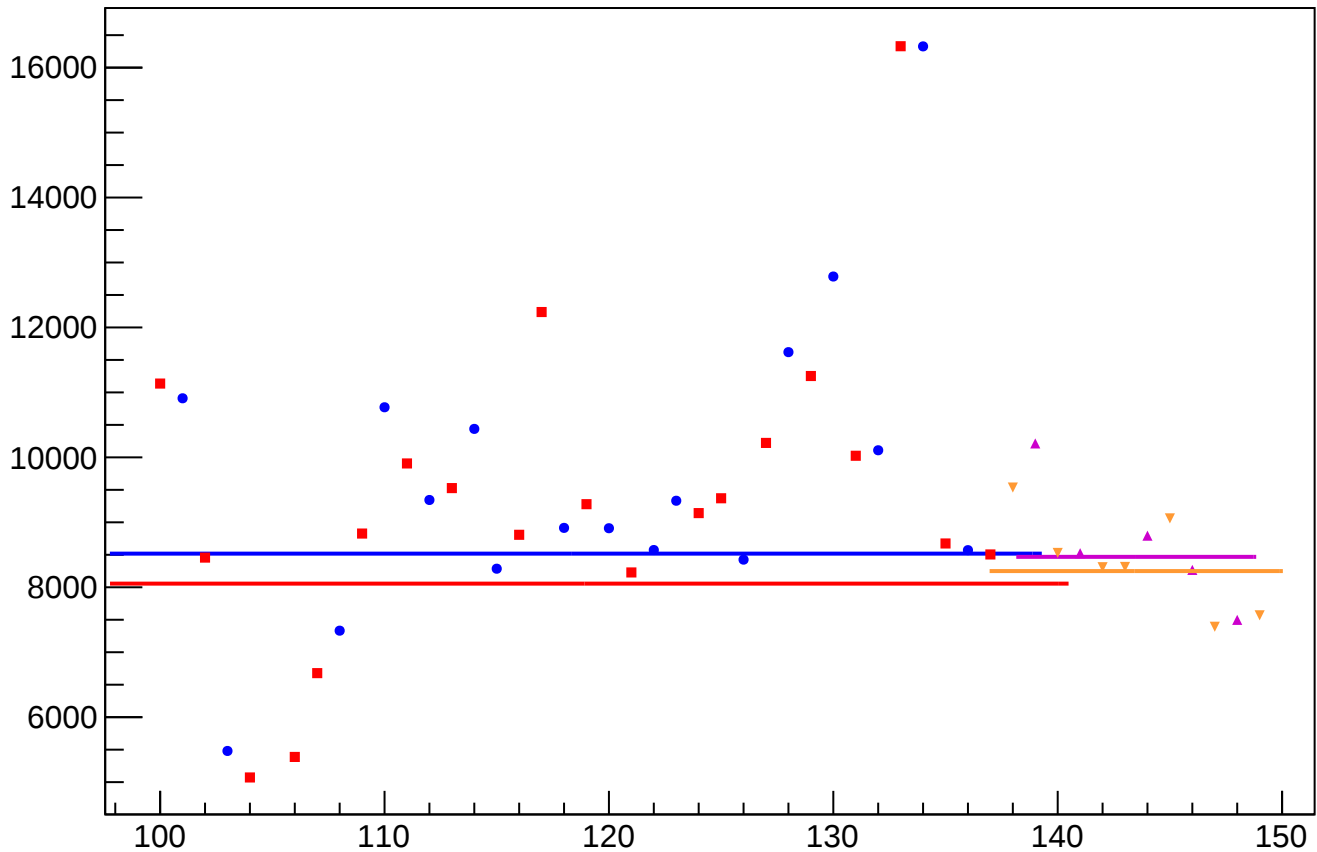
Left In: 337.483 $\pm$ 4234.341 χ^2/NDF : 3.7/4

388.295 $\pm$ 2514.122 χ^2/NDF : 28.0/23

1987.871 $\pm$ 1784.868 χ^2/NDF : 47.7/48

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: 8249.272 $\pm$ 2.632 χ^2/NDF : 74352.2/6

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

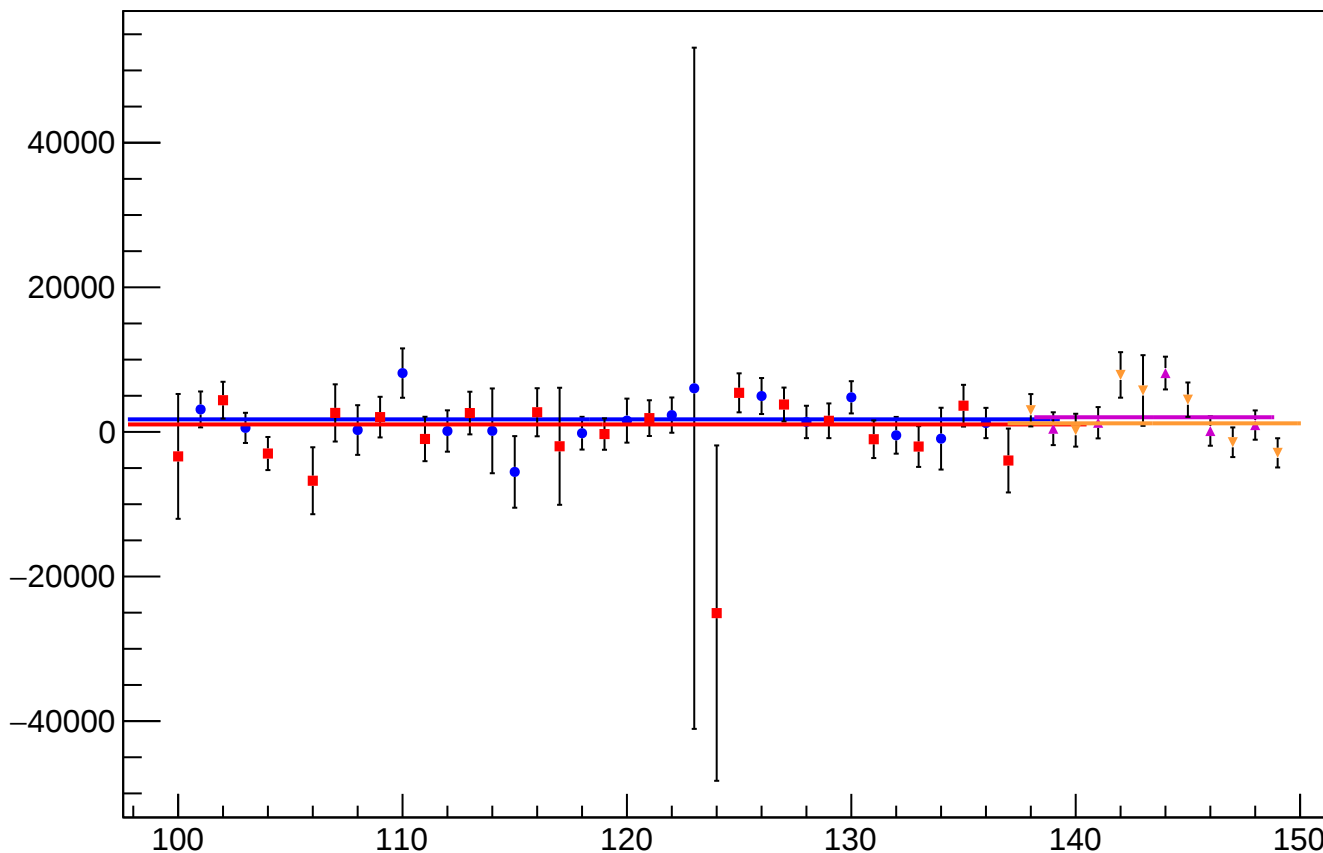
Left In: 8468.363 $\pm$ 2.994 χ^2/NDF : 72868.3/4

8395.329 $\pm$ 1.778 χ^2/NDF : 843297.6/23

8300.337 $\pm$ 1.262 χ^2/NDF : 1896369.0/48

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: 1187.231+/-914.789 χ^2/NDF :13.8/6

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

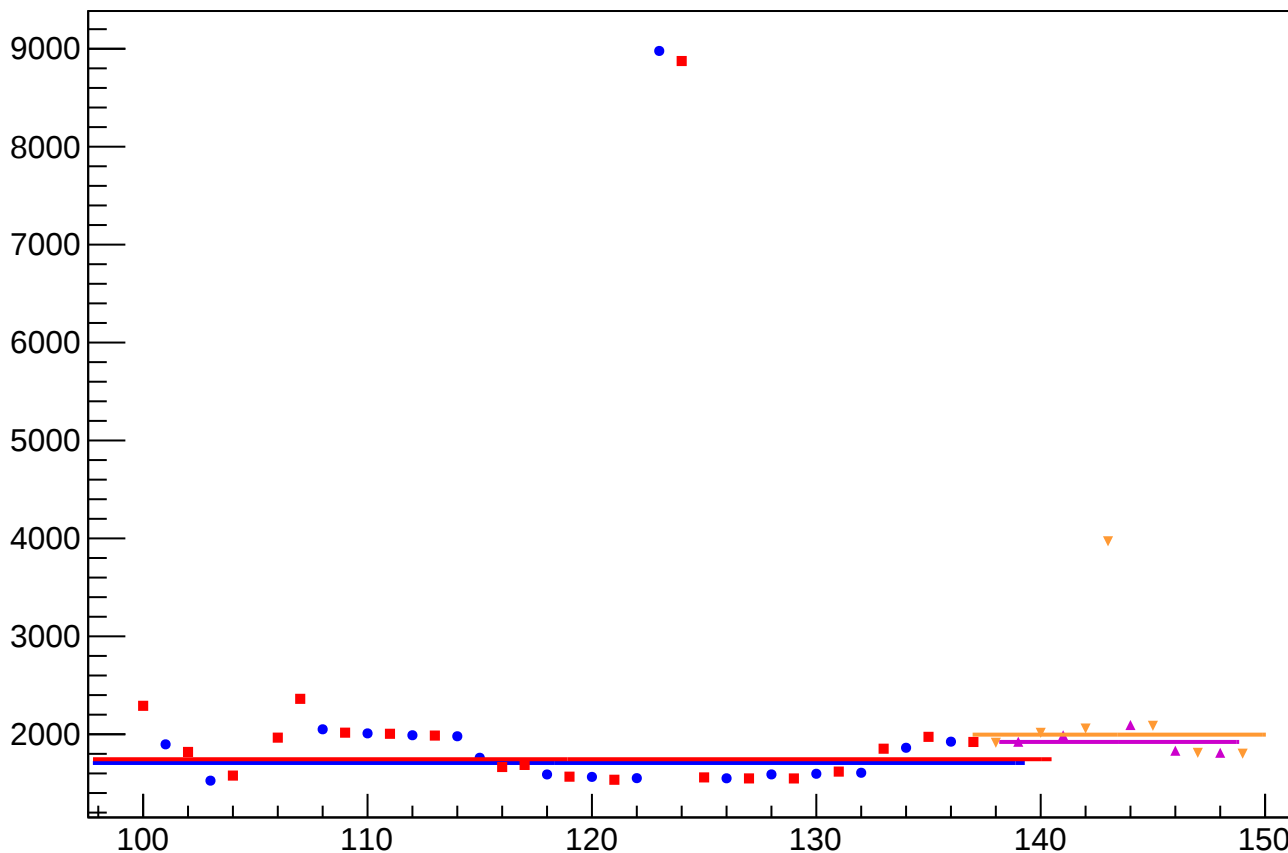
Left In: 2029.280+/-959.281 χ^2/NDF :9.0/4

1546.625+/-540.737 χ^2/NDF : 26.5/23

1454.668+/-385.097 χ^2/NDF : 55.3/48

1360.028+/-548.566 χ^2/NDF : 28.8/24

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1996.189 +/- 0.647 χ^2/NDF : 367813.5/6

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

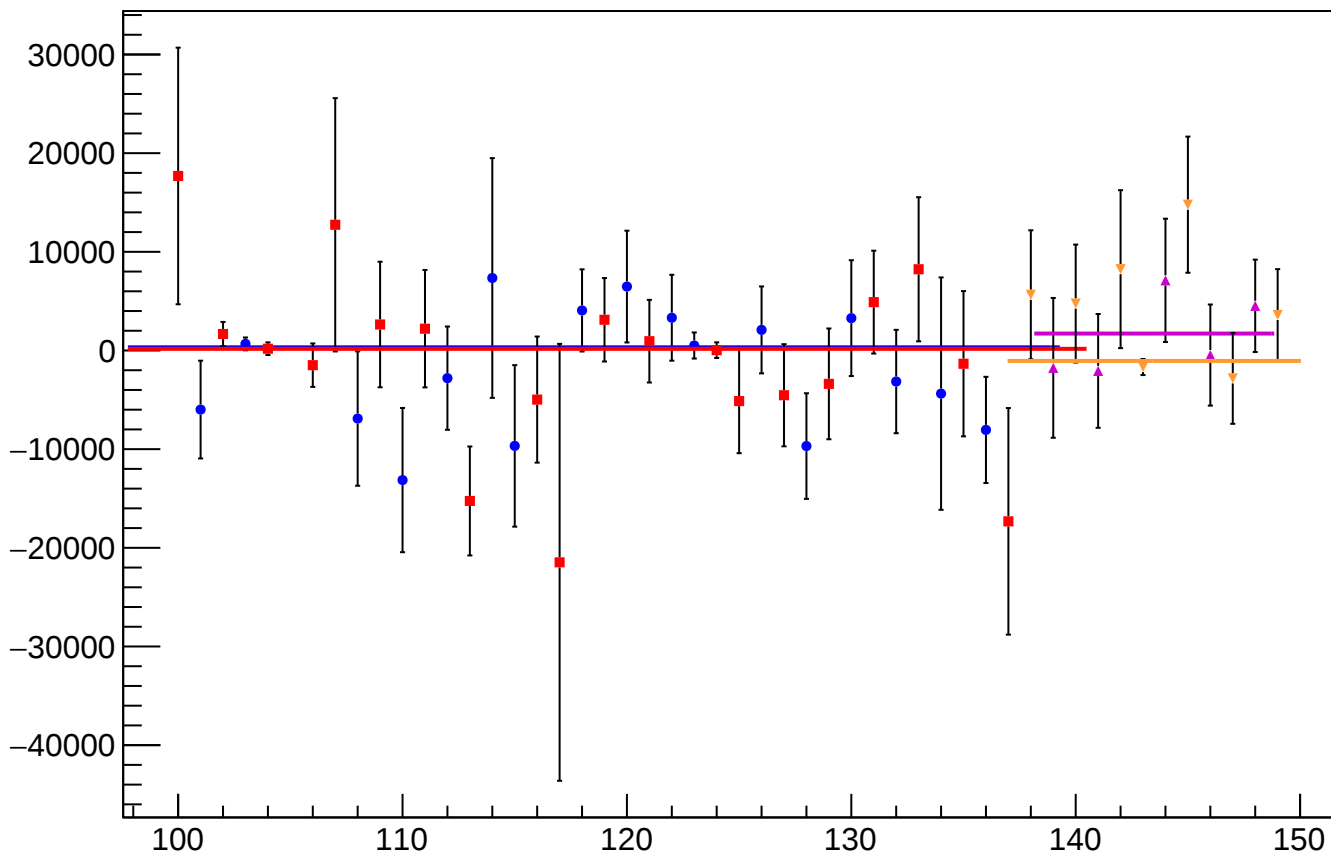
Left In: 1921.671 +/- 0.678 χ^2/NDF : 23413.2/4

1807.957 +/- 0.382 χ^2/NDF : 695523.6/23

1805.237 +/- 0.272 χ^2/NDF : 1164721.9/48

1802.455 +/- 0.387 χ^2/NDF : 469095.9/24

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1057.919 $\pm$ 769.654 χ^2 /NDF:10.3/6

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

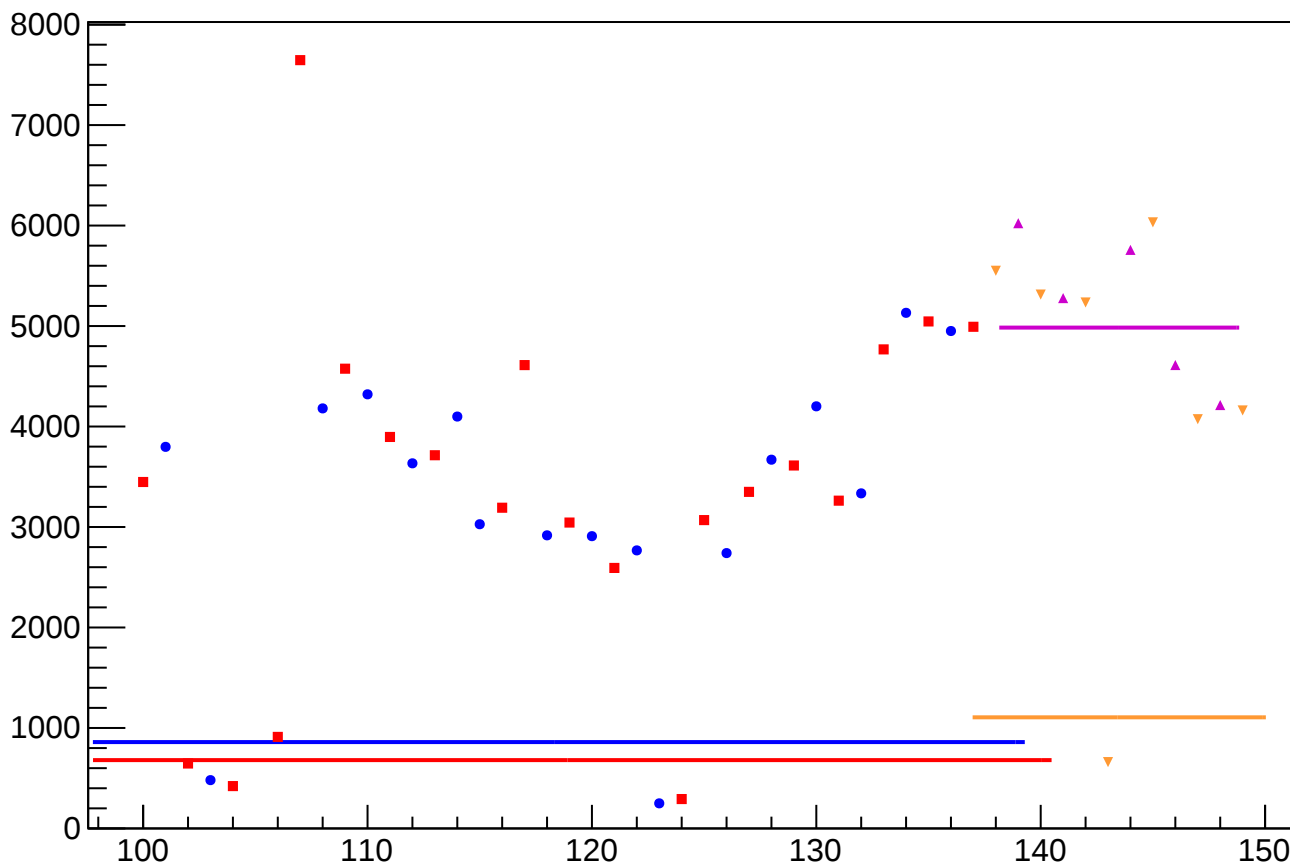
Left In: 1717.682 $\pm$ 2505.465 χ^2 /NDF:2.0/4

-134.374 $\pm$ 442.260 χ^2 /NDF: 30.5/23

45.551 $\pm$ 307.234 χ^2 /NDF: 54.9/48

213.371 $\pm$ 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: 1105.881+/-0.544 χ^2/NDF : 5760756.1/6

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

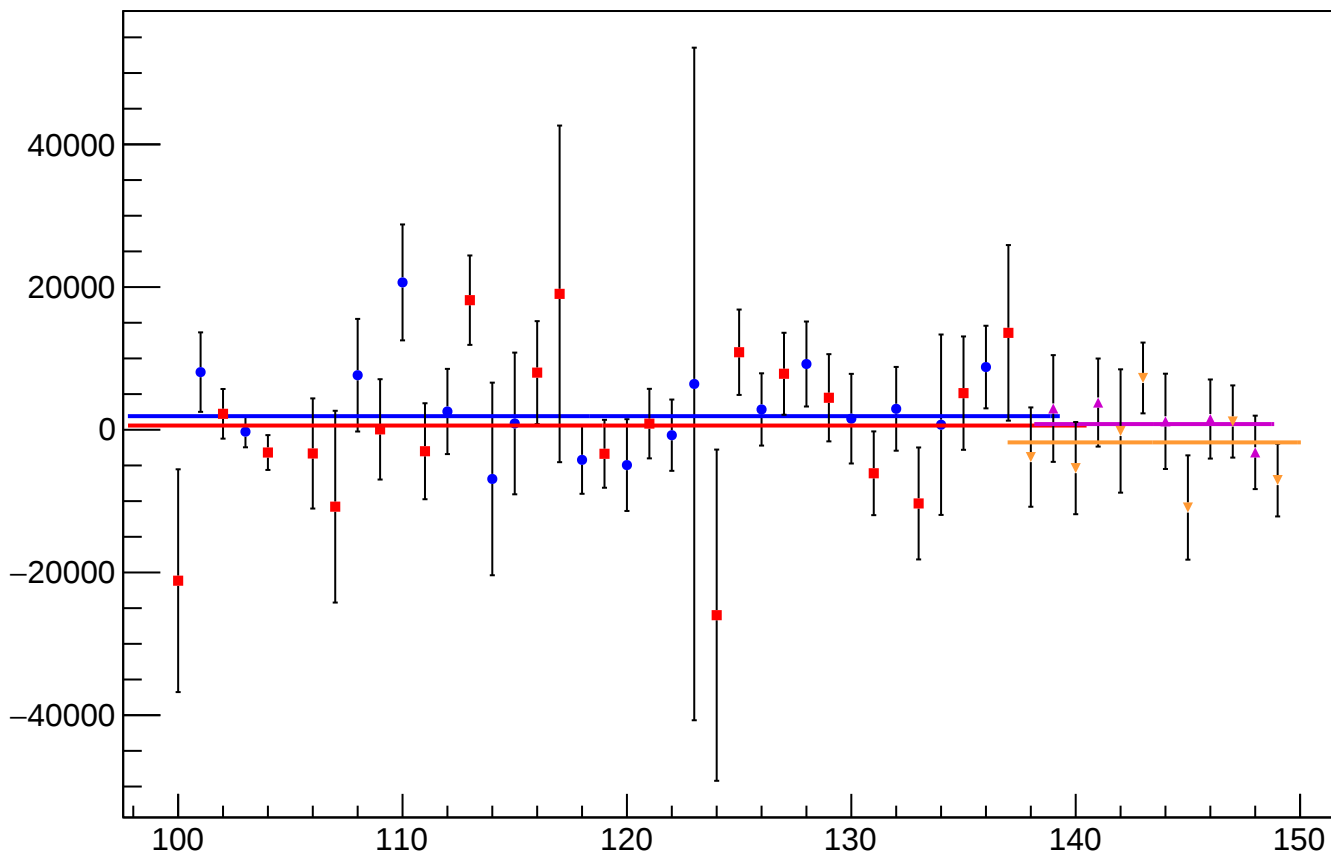
Left In: 4984.440+/-1.772 χ^2/NDF : 143598.6/4

940.891+/-0.313 χ^2/NDF : 14041236.1/23

870.686+/-0.217 χ^2/NDF : 28461457.7/48

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: -1767.845 $\pm$ 2265.319 χ^2 /NDF: 6.7/6

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

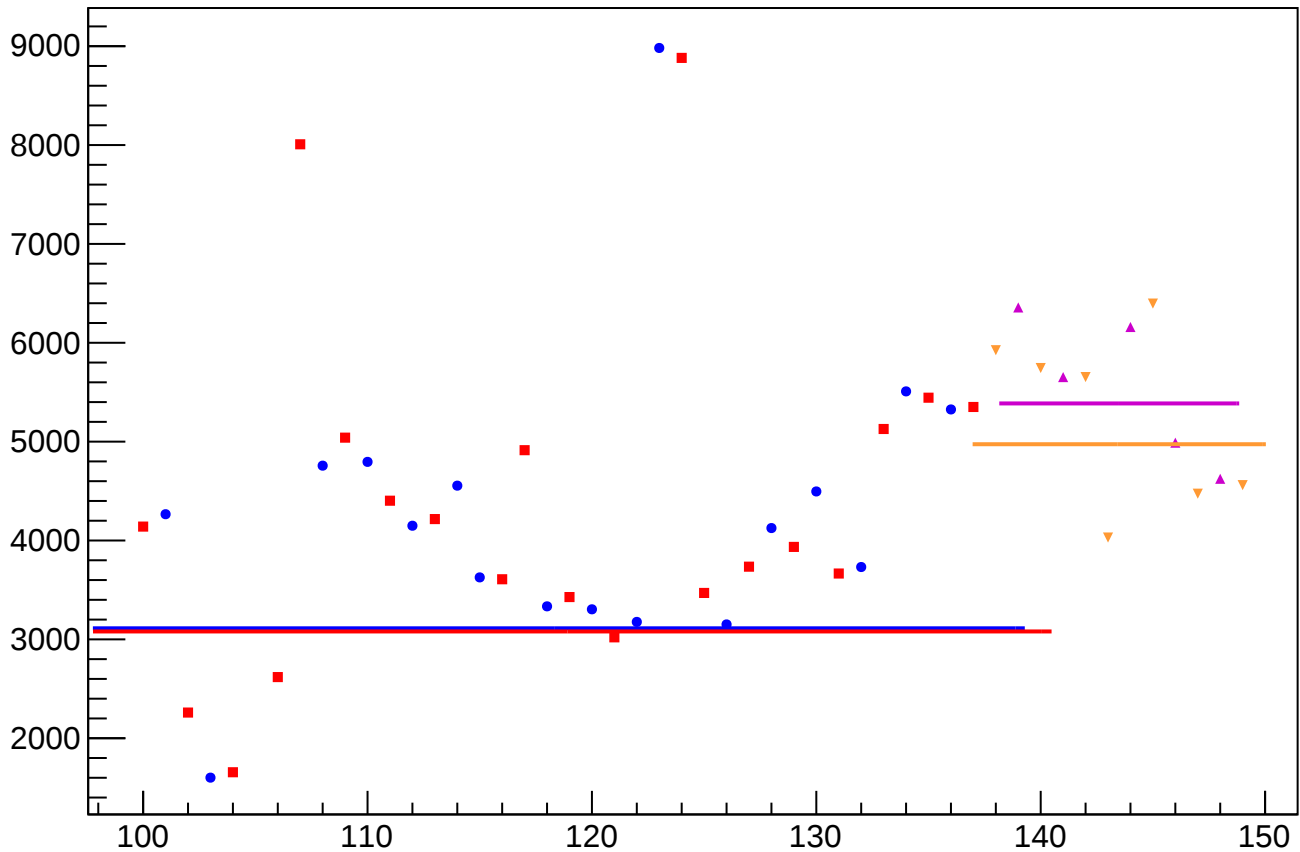
Left In: 799.624 $\pm$ 2703.164 χ^2 /NDF: 0.9/4

987.586 $\pm$ 1134.176 χ^2 /NDF: 23.3/23

813.834 $\pm$ 810.872 χ^2 /NDF: 51.3/48

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: 4973.821 +/- 1.602 χ^2/NDF : 259025.0/6

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

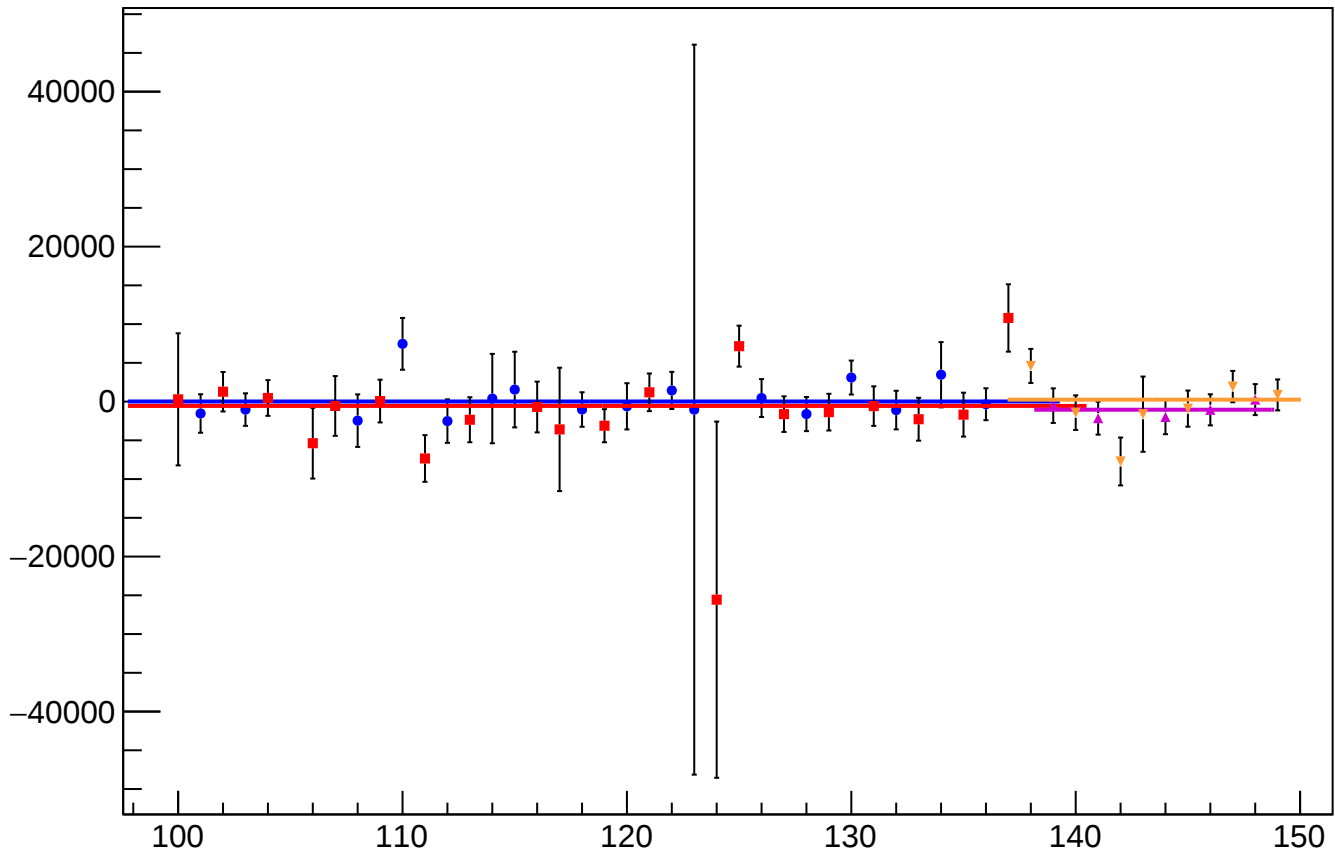
Left In: 5386.471 +/- 1.911 χ^2/NDF : 118348.1/4

3578.568 +/- 0.802 χ^2/NDF : 3151102.0/23

3537.033 +/- 0.570 χ^2/NDF : 6486900.3/48

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 χ^2/NDF : 11.1/16

Left Out: 251.462 ± 900.553 χ^2/NDF : 12.3/6

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

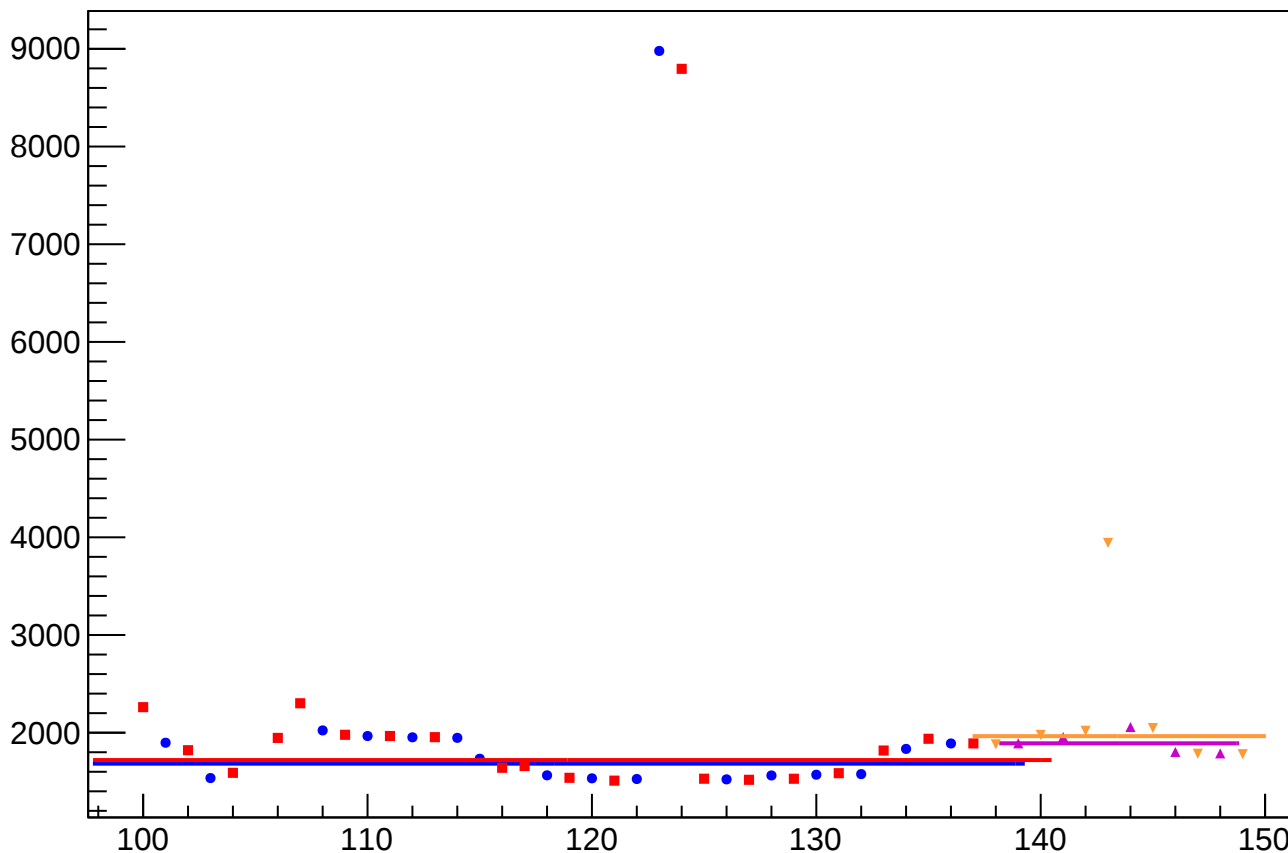
Left In: -1047.943 ± 944.202 χ^2/NDF : 0.9/4

97.233 ± 532.919 χ^2/NDF : 23.5/23

-305.102 ± 379.422 χ^2/NDF : 52.6/48

-718.699 ± 540.326 χ^2/NDF : 27.9/24

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1964.645 +/- 0.637 χ^2/NDF : 371165.0/6

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

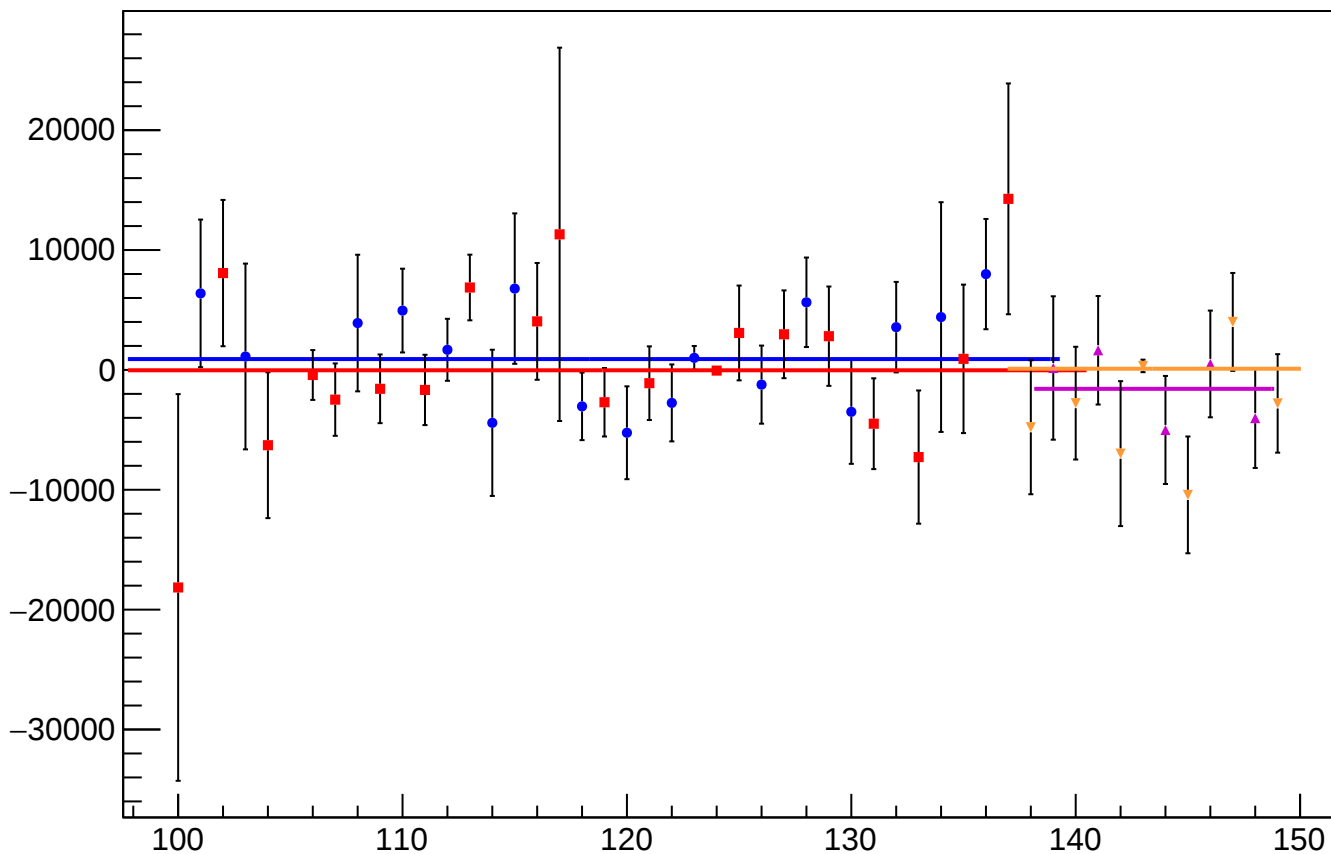
Left In: 1891.630 +/- 0.668 χ^2/NDF : 22193.1/4

1781.797 +/- 0.377 χ^2/NDF : 693941.3/23

1778.859 +/- 0.268 χ^2/NDF : 1157061.2/48

1775.855 +/- 0.381 χ^2/NDF : 462997.0/24

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 97.825 $\pm$ 504.486 χ^2 /NDF: 8.8/6

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

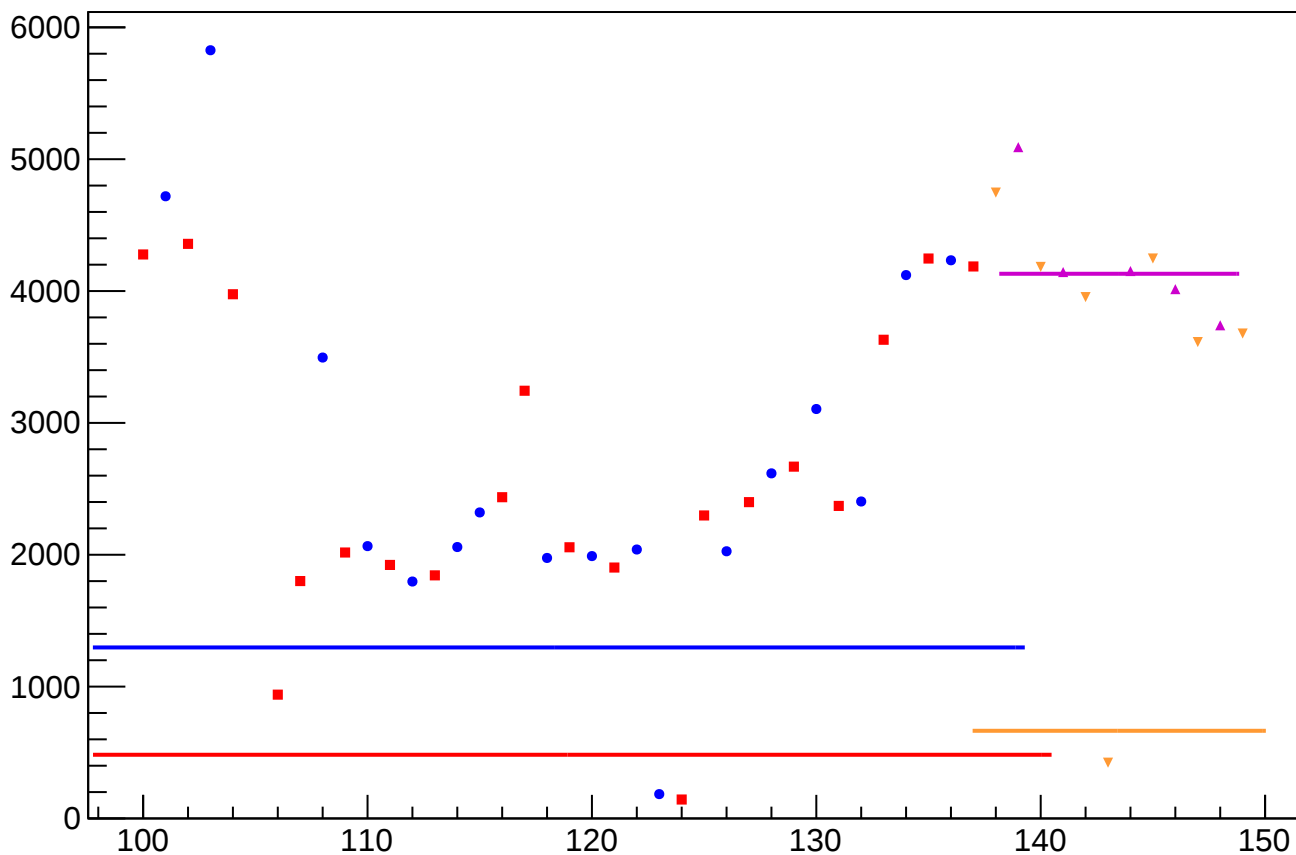
Left In: -1580.118 $\pm$ 2065.854 χ^2 /NDF: 1.7/4

370.325 $\pm$ 410.376 χ^2 /NDF: 25.7/23

112.478 $\pm$ 267.119 χ^2 /NDF: 49.7/48

-77.083 $\pm$ 351.865 χ^2 /NDF: 23.3/24

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1297.005 $\pm$ 0.499 χ^2/NDF : 6509608.5/16

Left Out: 664.909 $\pm$ 0.357 χ^2/NDF : 6405920.2/6

Right Out: 483.029 $\pm$ 0.252 χ^2/NDF : 10207063.0/19

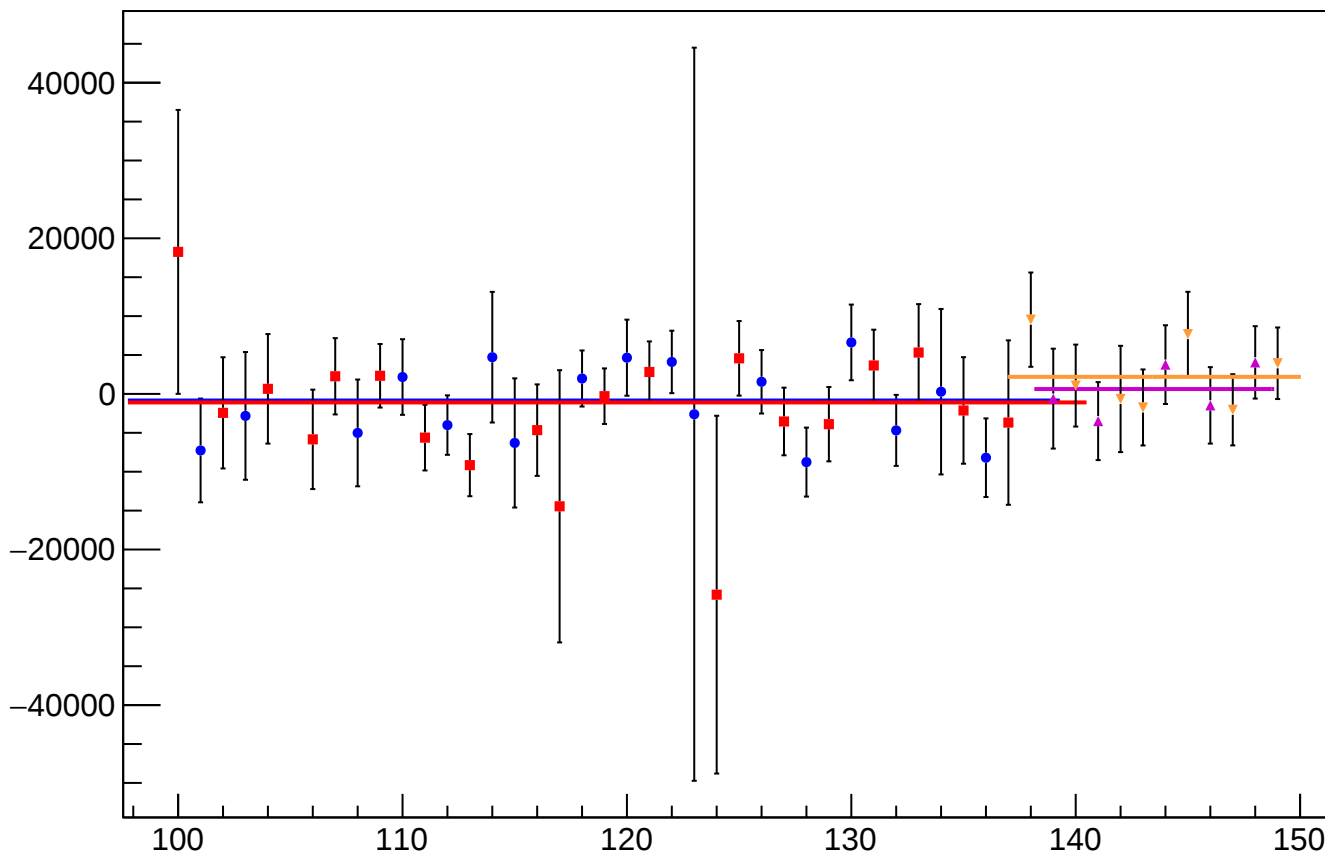
Left In: 4131.085 $\pm$ 1.461 χ^2/NDF : 70650.0/4

878.741 $\pm$ 0.290 χ^2/NDF : 13977687.1/23

711.680 $\pm$ 0.189 χ^2/NDF : 30886281.4/48

588.861 $\pm$ 0.249 χ^2/NDF : 16333468.9/24

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 2193.970 ± 1978.406 $\chi^2/\text{NDF}: 4.4/6$

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

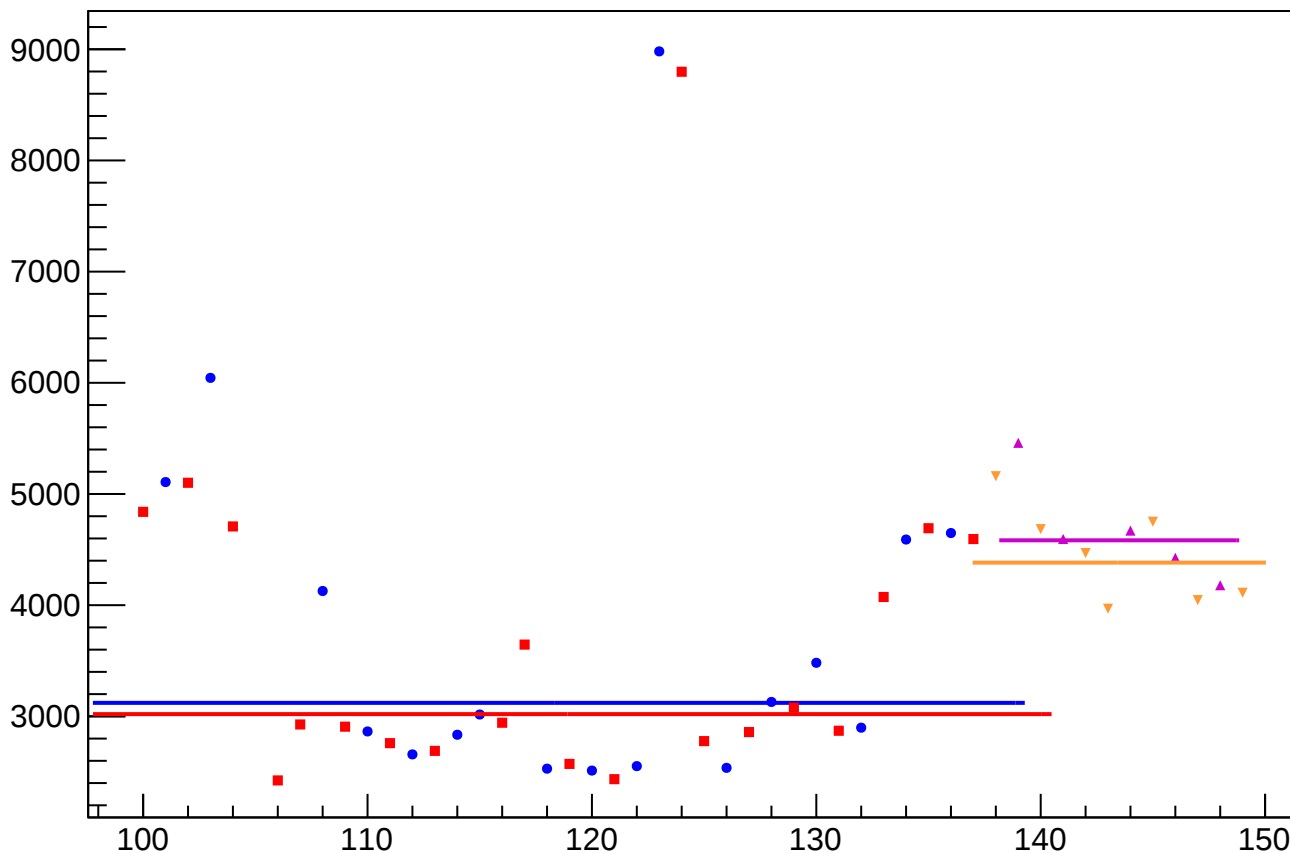
Left In: 625.916 ± 2289.884 $\chi^2/\text{NDF}: 1.8/4$

29.850 ± 1063.382 $\chi^2/\text{NDF}: 21.5/23$

-353.299 ± 748.767 $\chi^2/\text{NDF}: 39.6/48$

-730.078 ± 1054.506 $\chi^2/\text{NDF}: 17.9/24$

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4382.818+/-1.399 χ^2/NDF : 81105.6/6

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

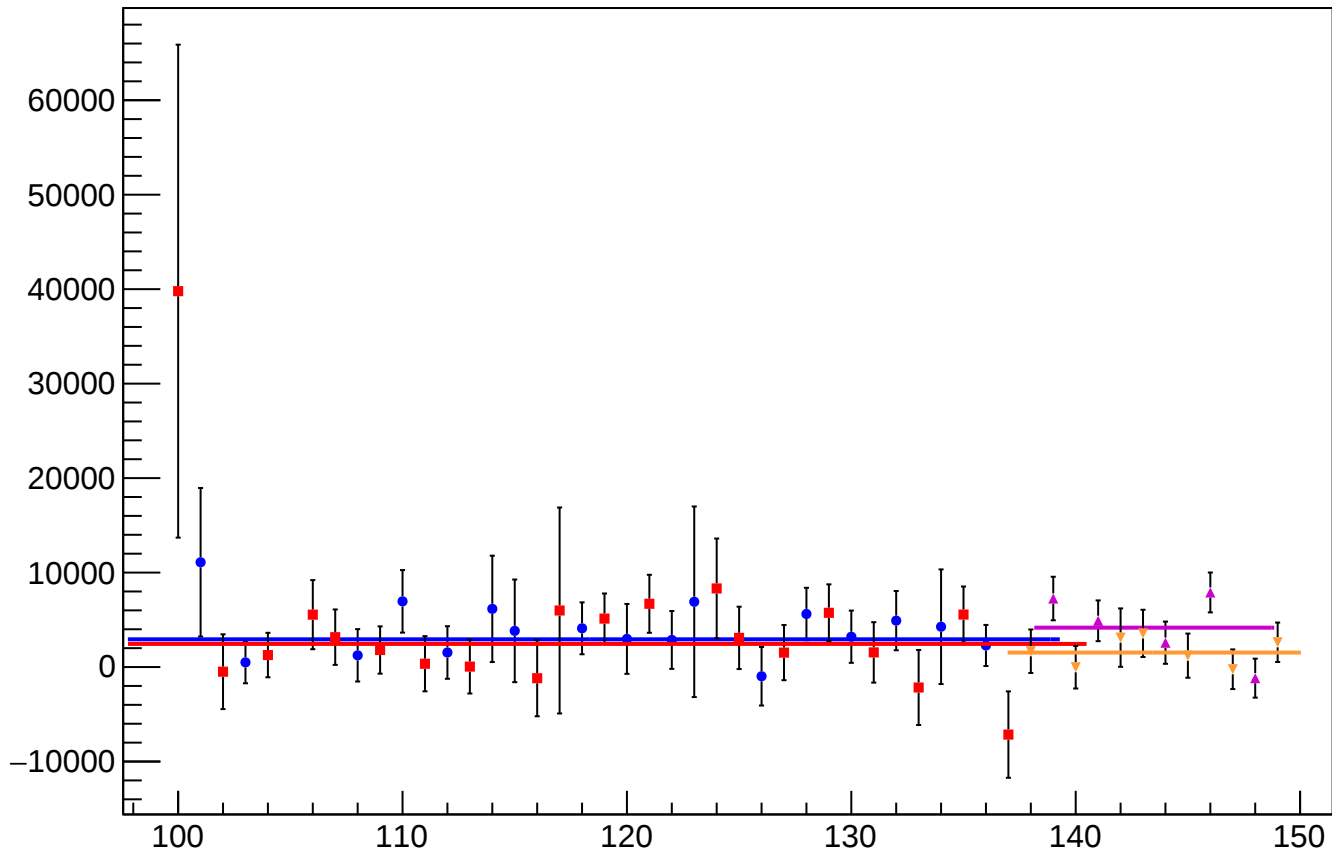
Left In: 4583.346+/-1.619 χ^2/NDF : 55053.9/4

3485.833+/-0.752 χ^2/NDF : 1604959.6/23

3414.183+/-0.527 χ^2/NDF : 3210751.0/48

3345.097+/-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: 1534.896 $\pm$ 880.454 χ^2 /NDF: 2.4/6

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

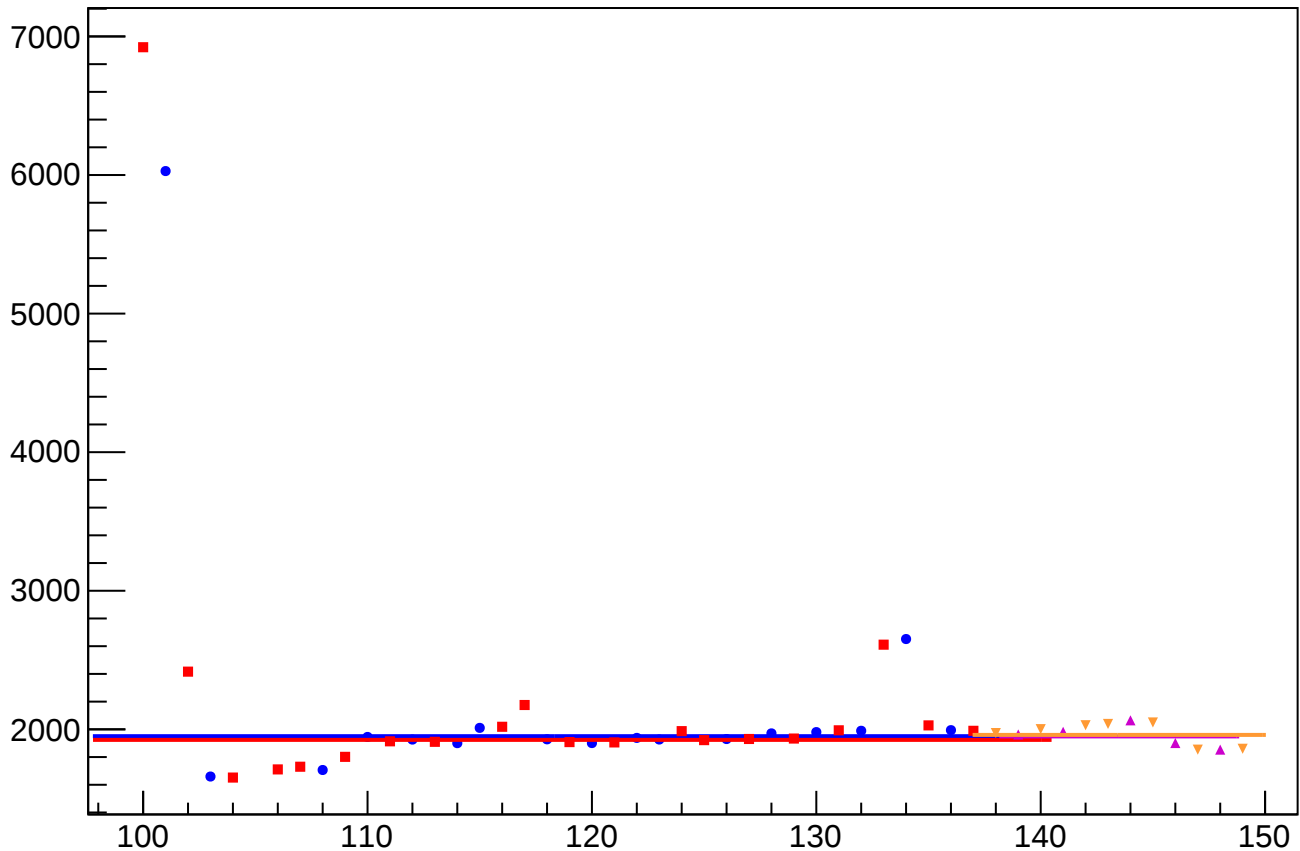
Left In: 4169.331 $\pm$ 969.793 χ^2 /NDF: 12.2/4

2323.917 $\pm$ 581.892 χ^2 /NDF: 12.0/23

2698.590 $\pm$ 413.480 χ^2 /NDF: 45.3/48

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: 1959.838+/-0.623 χ^2/NDF : 16446.3/6

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

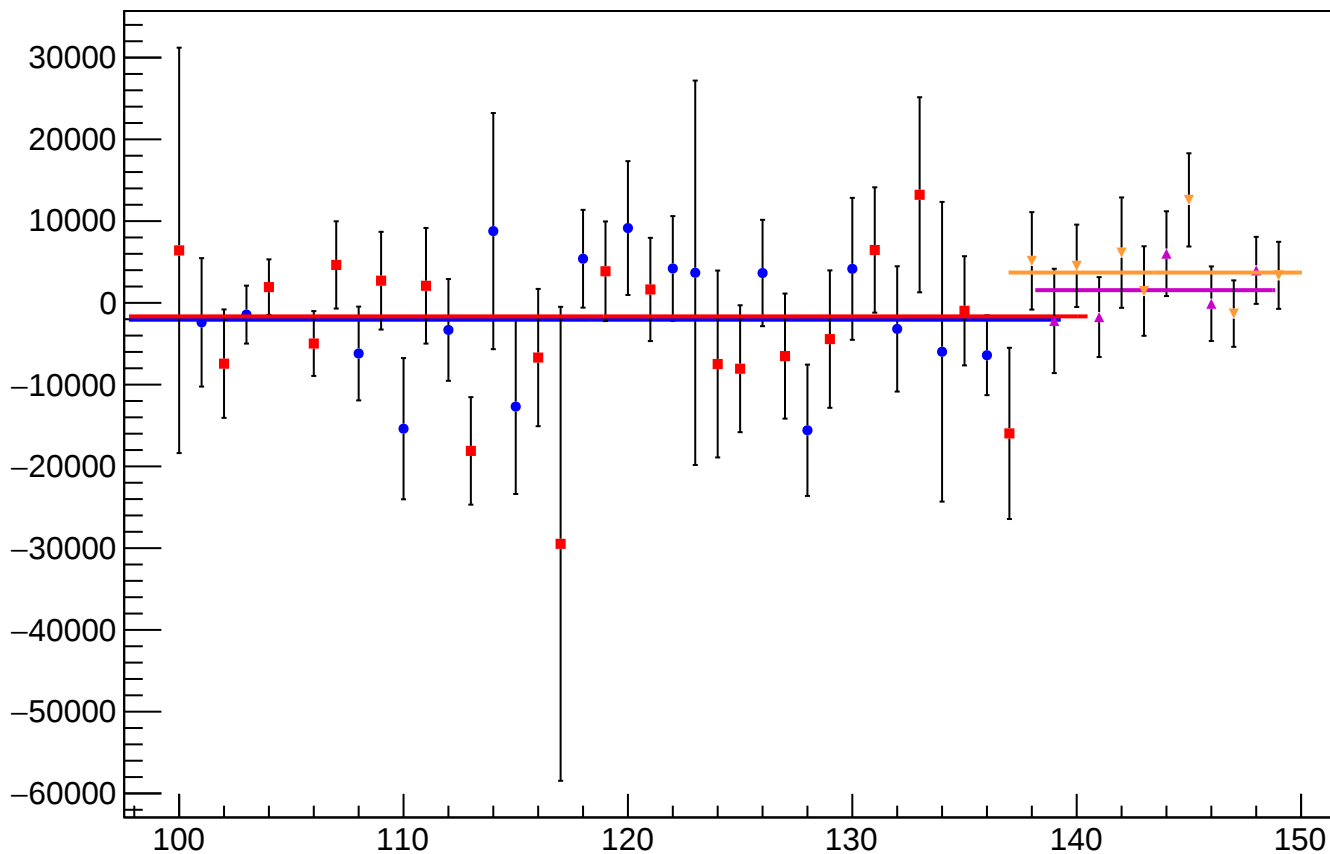
Left In: 1948.905+/-0.686 χ^2/NDF : 11234.0/4

1954.643+/-0.411 χ^2/NDF : 633902.1/23

1943.941+/-0.292 χ^2/NDF : 865813.4/48

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

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 3708.521+/-1911.821 χ^2/NDF : 4.3/6

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

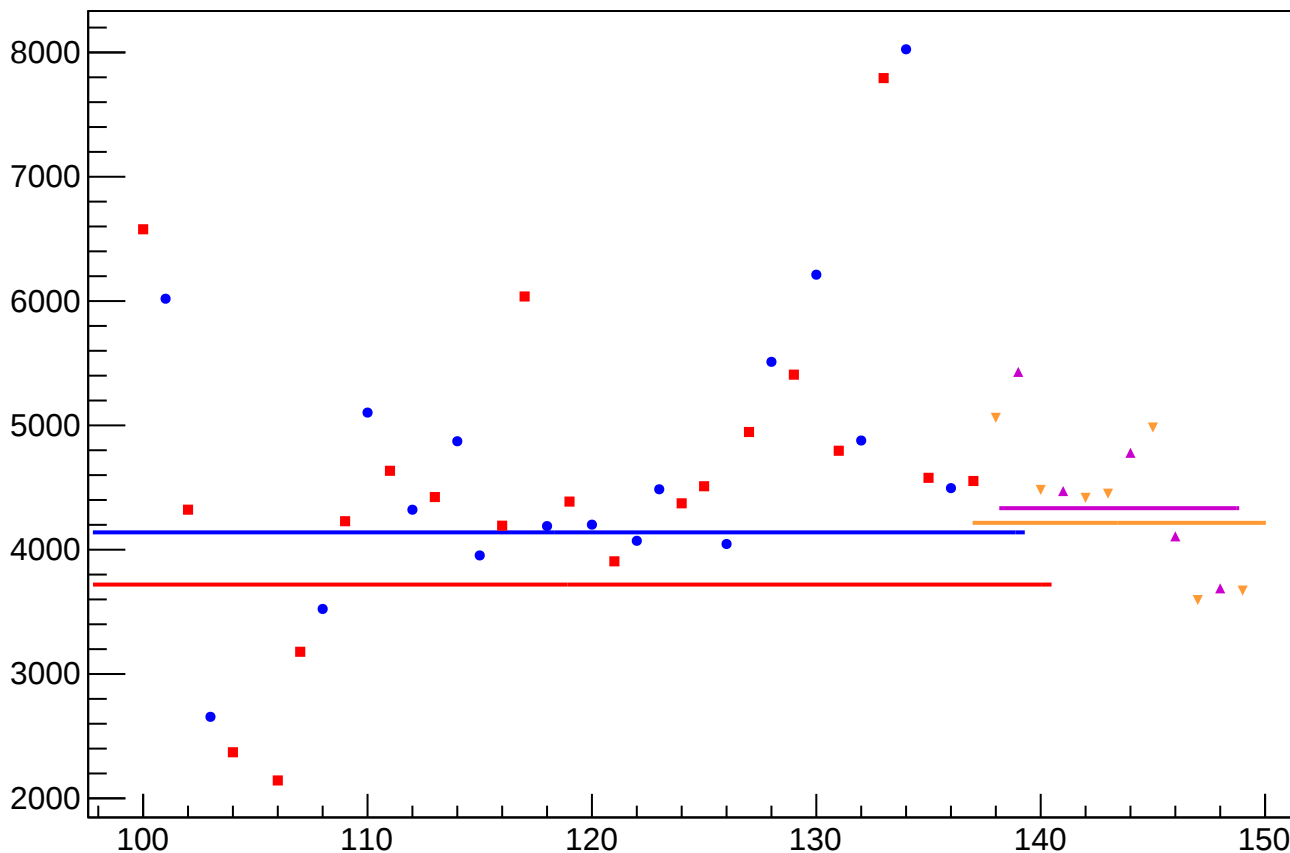
Left In: 1554.654+/-2176.408 χ^2/NDF : 2.0/4

423.196+/-1253.905 χ^2/NDF : 23.5/23

-123.918+/-874.884 χ^2/NDF : 46.9/48

-642.938+/-1221.286 χ^2/NDF : 23.0/24

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4216.052+/-1.352 χ^2/NDF : 169408.8/6

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

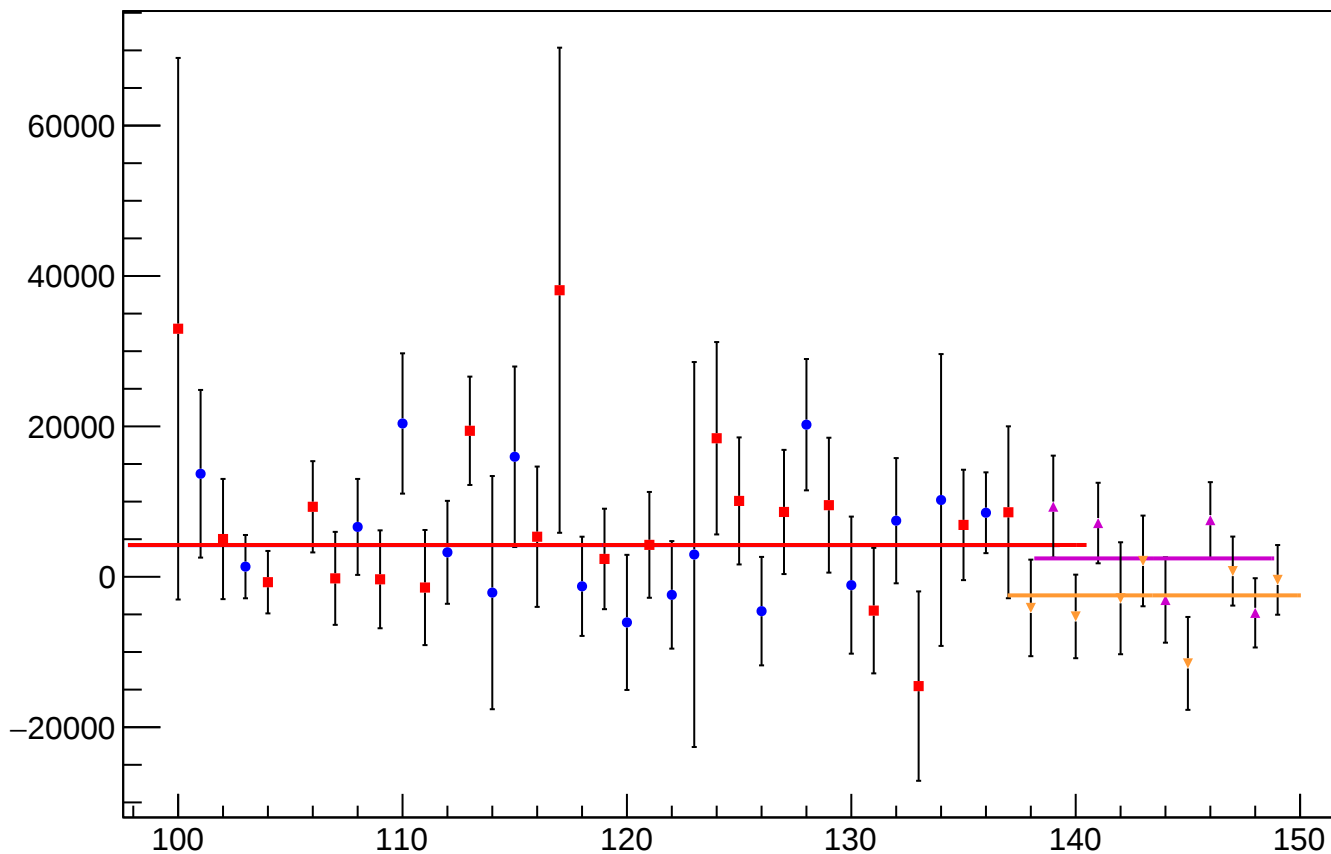
Left In: 4334.012+/-1.539 χ^2/NDF : 129843.7/4

4172.369+/-0.887 χ^2/NDF : 984791.9/23

4039.284+/-0.619 χ^2/NDF : 2556404.5/48

3913.033+/-0.864 χ^2/NDF : 1527709.7/24

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: -2468.411+/-2119.950 χ^2/NDF : 3.7/6

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

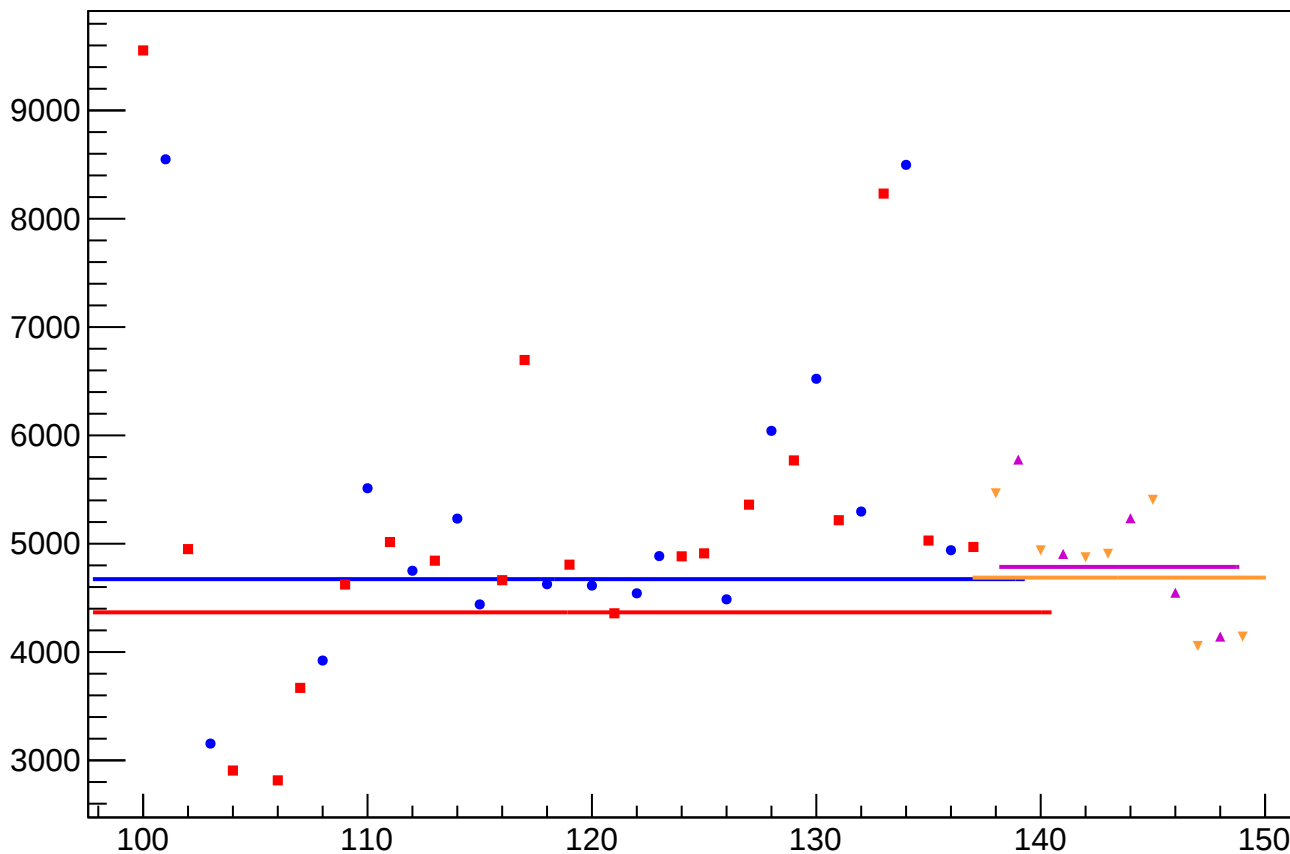
Left In: 2445.820+/-2397.313 χ^2/NDF : 6.2/4

1286.273+/-1402.925 χ^2/NDF : 23.7/23

2457.730+/-990.647 χ^2/NDF : 47.6/48

3622.734+/-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: 4686.986 $\pm$ 1.499 χ^2/NDF :129885.1/6

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

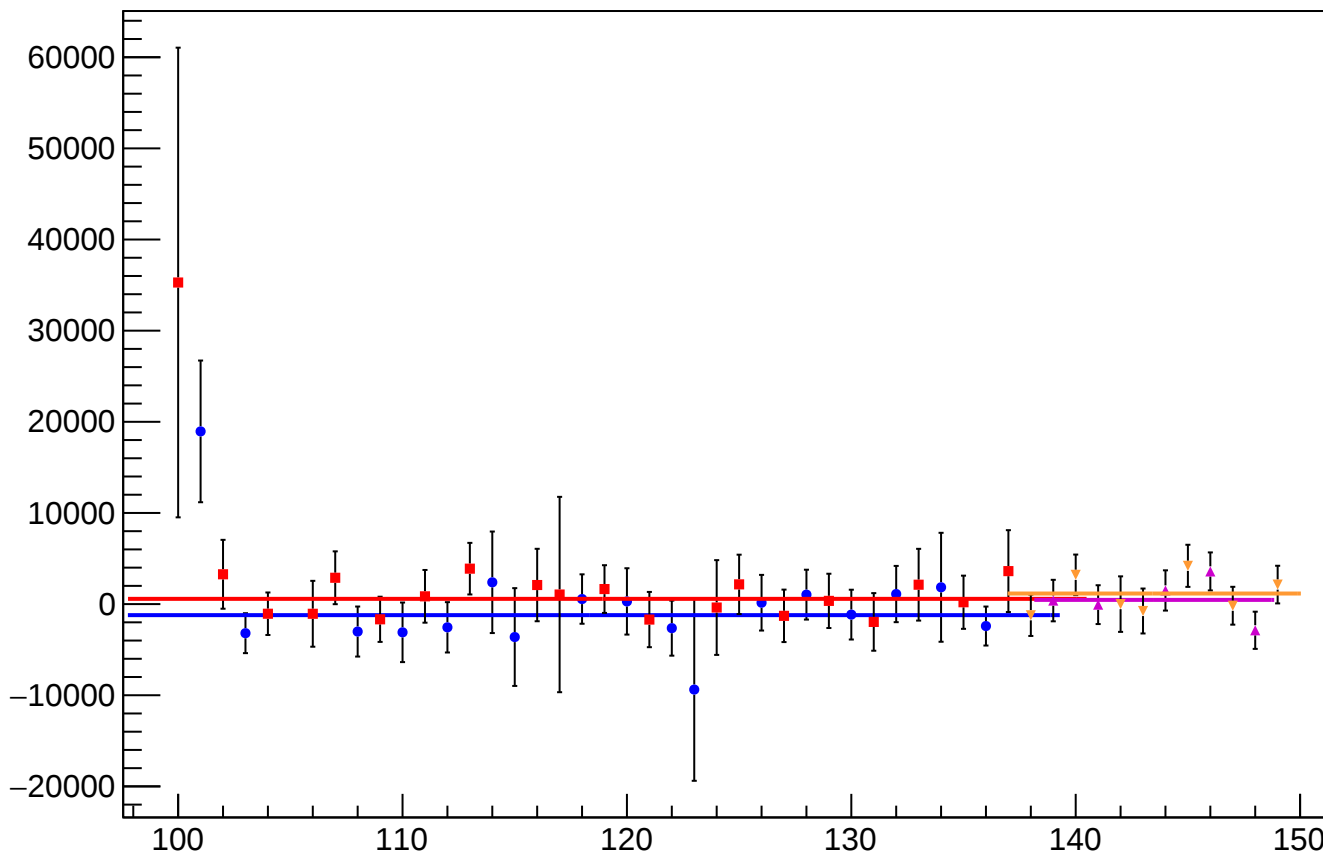
Left In: 4785.889 $\pm$ 1.695 χ^2/NDF :99677.5/4

4679.151 $\pm$ 0.992 χ^2/NDF : 907254.9/23

4593.113 $\pm$ 0.699 χ^2/NDF : 1905068.4/48

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: 1159.937+/-869.623 χ^2/NDF : 5.1/6

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

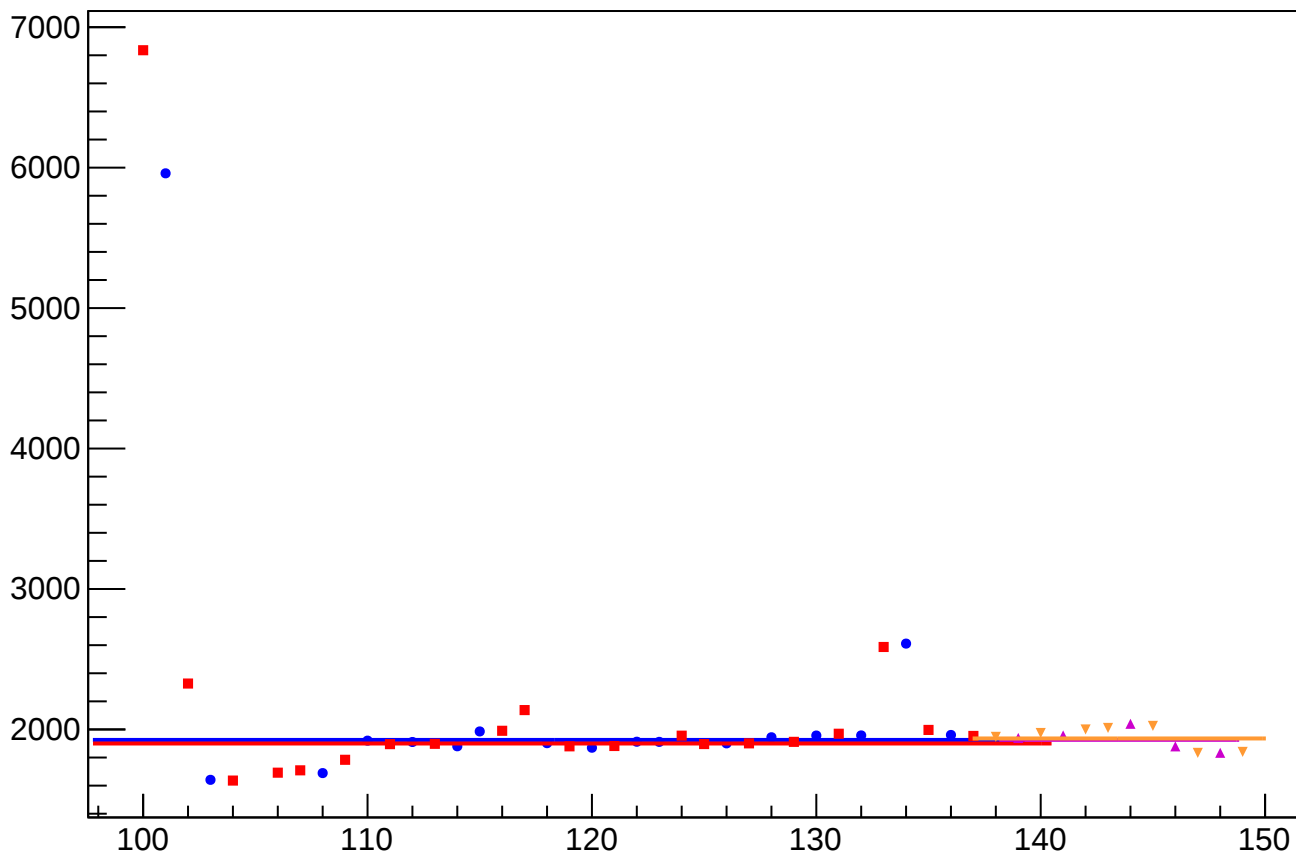
Left In: 461.212+/-958.434 χ^2/NDF : 5.2/4

-176.313+/-574.508 χ^2/NDF : 21.9/23

175.192+/-408.242 χ^2/NDF : 36.6/48

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 χ^2 /NDF: 615863.6/16

Left Out: 1935.761+/-0.615 χ^2 /NDF: 15575.4/6

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

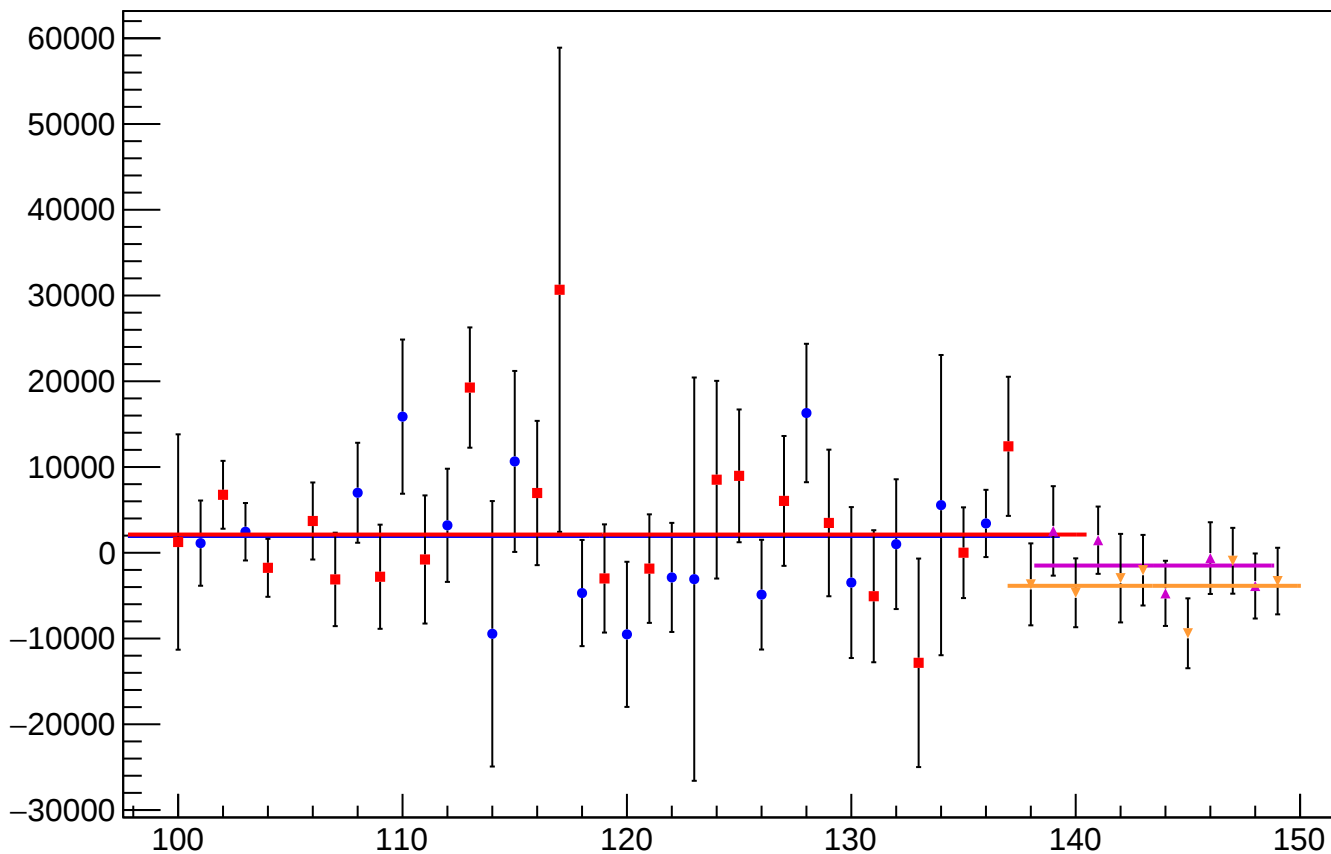
Left In: 1926.145+/-0.678 χ^2 /NDF: 10930.8/4

1929.877+/-0.406 χ^2 /NDF: 631601.4/23

1919.787+/-0.288 χ^2 /NDF: 856589.3/48

1909.526+/-0.410 χ^2 /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: -3853.888 $\pm$ 1587.643 χ^2 /NDF: 2.7/6

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

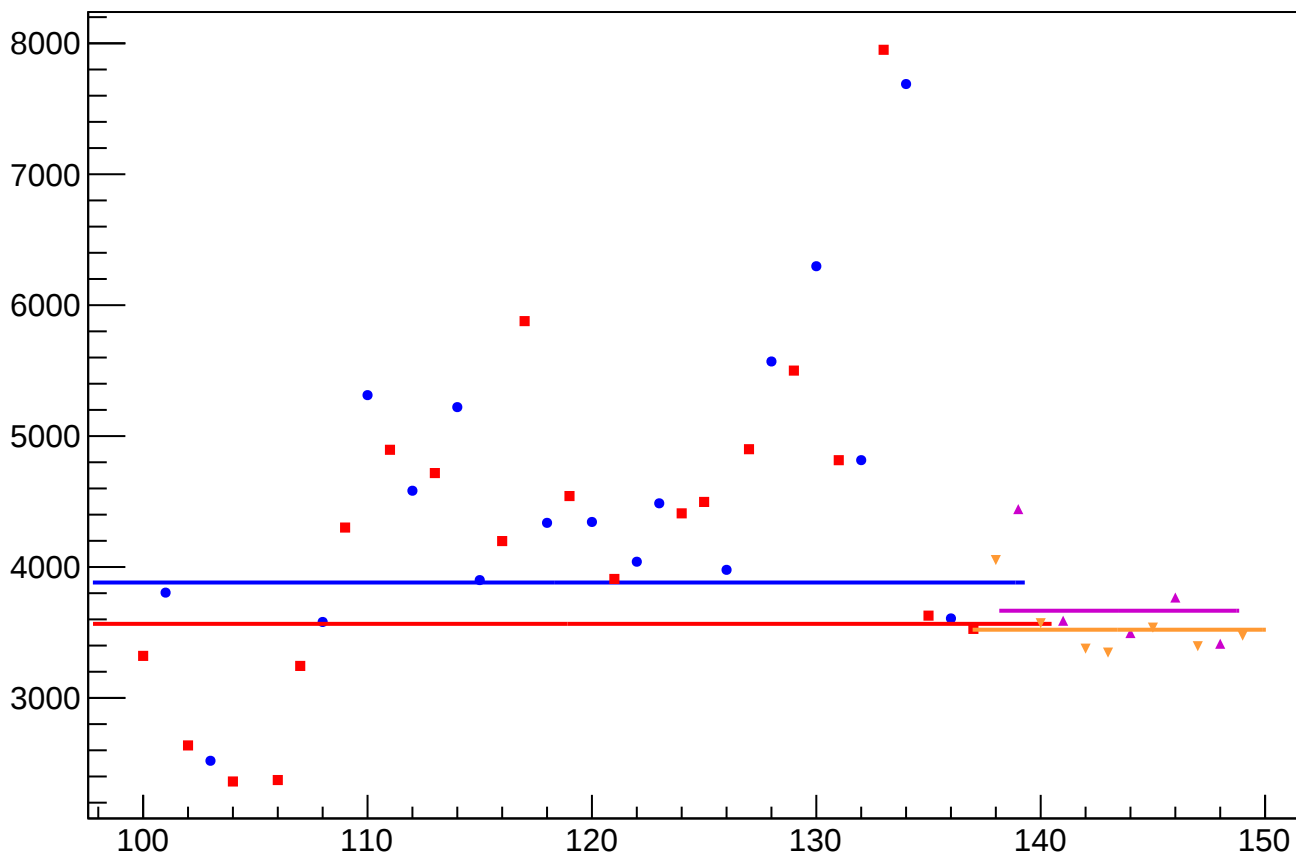
Left In: -1490.358 $\pm$ 1832.905 χ^2 /NDF: 2.3/4

-890.477 $\pm$ 1111.583 χ^2 /NDF: 22.5/23

-61.270 $\pm$ 788.445 χ^2 /NDF: 46.9/48

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: 3521.057 +/- 1.123 χ^2/NDF : 32733.9/6

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

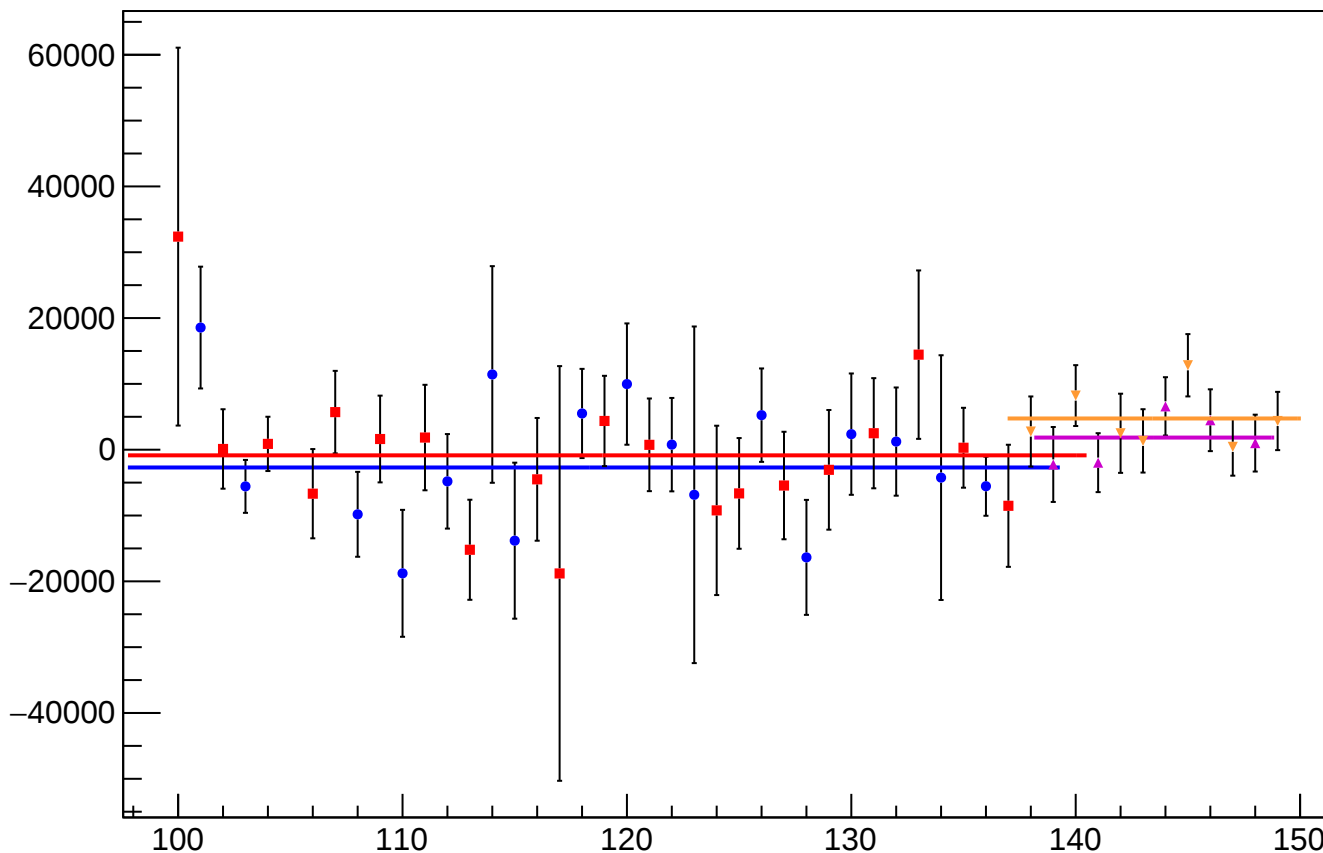
Left In: 3666.076 +/- 1.296 χ^2/NDF : 59068.2/4

3704.848 +/- 0.786 χ^2/NDF : 902775.6/23

3654.327 +/- 0.558 χ^2/NDF : 2228885.0/48

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: 4743.644 $\pm$ 1823.709 χ^2 /NDF: 5.2/6

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

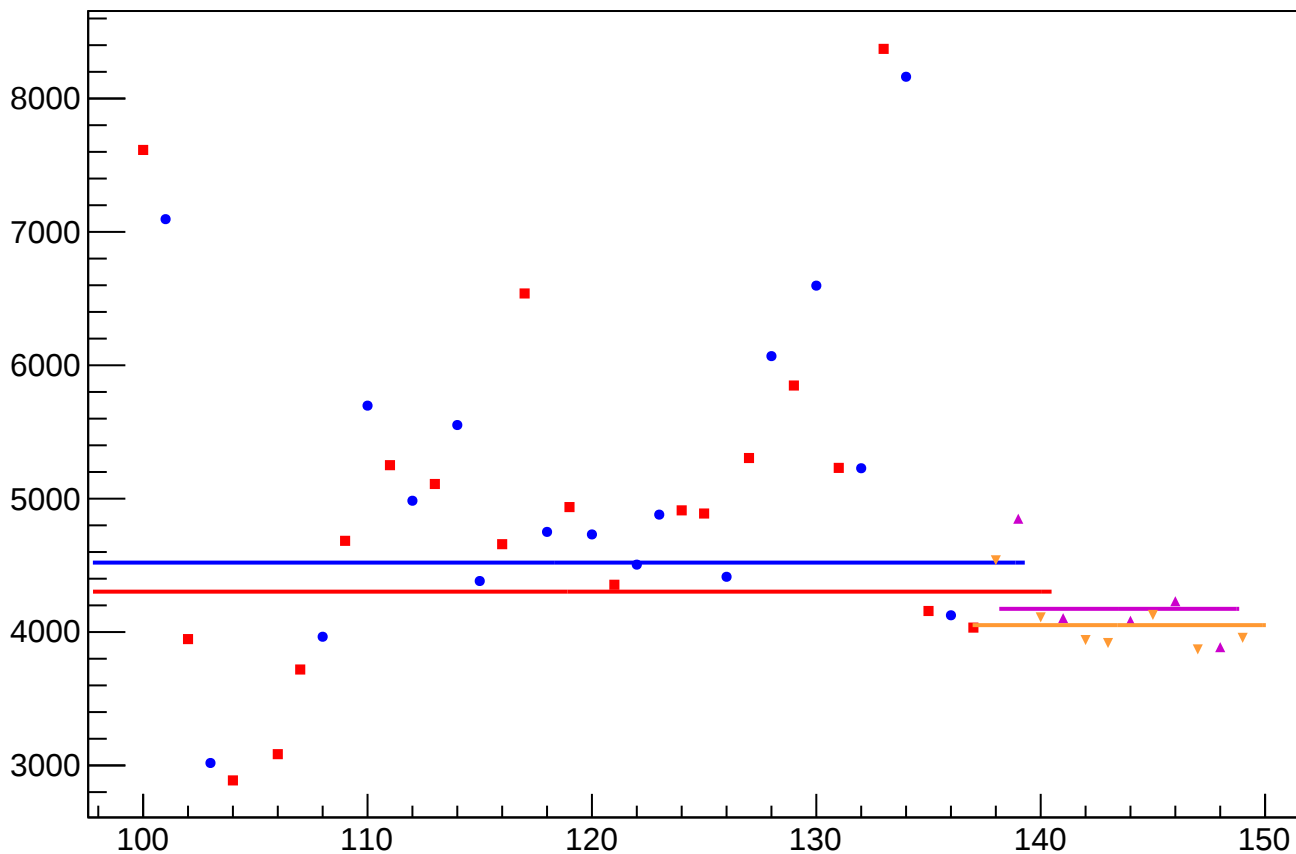
Left In: 1842.436 $\pm$ 2082.333 χ^2 /NDF: 2.7/4

991.444 $\pm$ 1284.345 χ^2 /NDF: 33.4/23

610.295 $\pm$ 917.532 χ^2 /NDF: 49.2/48

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

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4051.838+/-1.290 χ^2/NDF : 24089.6/6

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

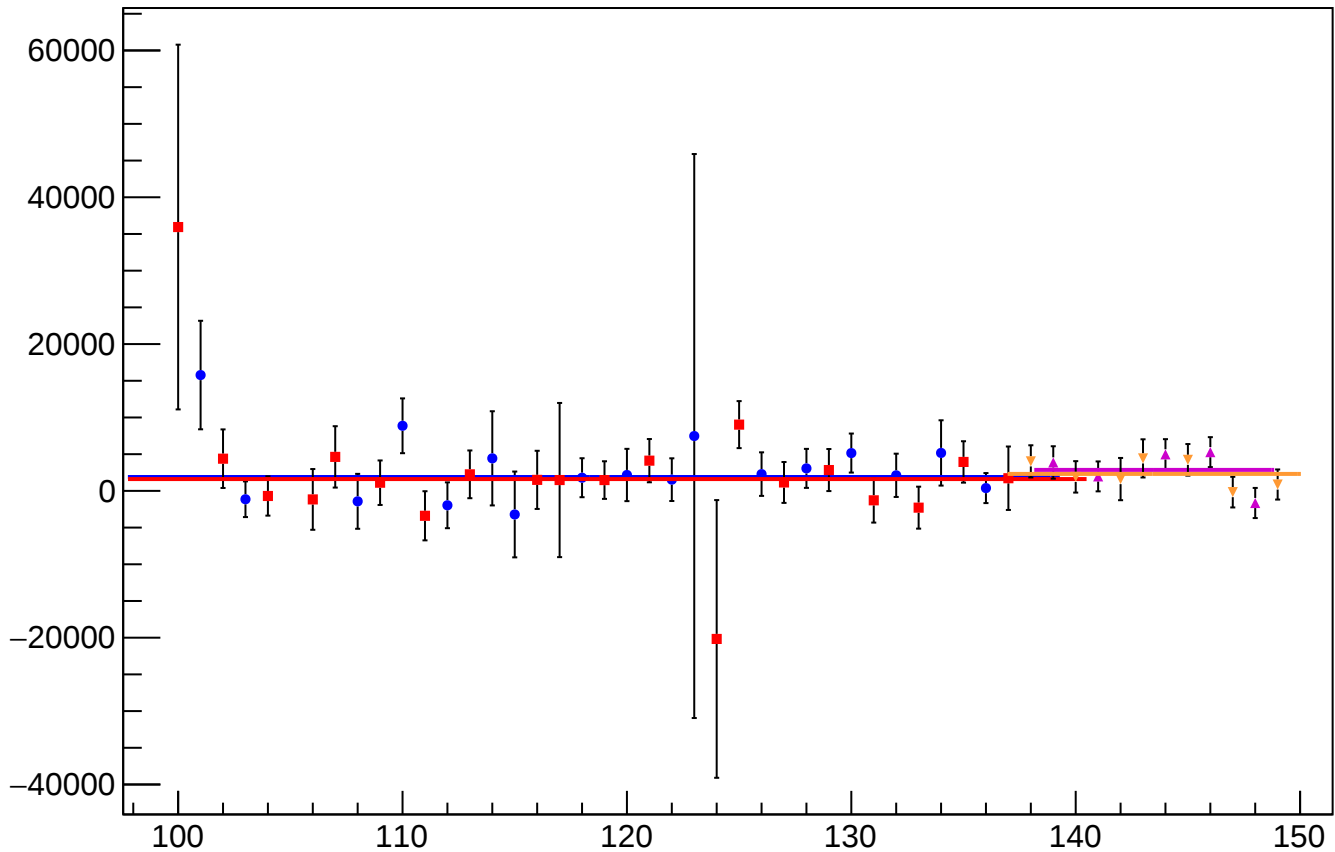
Left In: 4174.034+/-1.472 χ^2/NDF : 38603.4/4

4288.152+/-0.908 χ^2/NDF : 861602.5/23

4270.458+/-0.648 χ^2/NDF : 1687506.7/48

4252.139+/-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: 2310.986+/-851.691 χ^2/NDF : 4.1/6

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

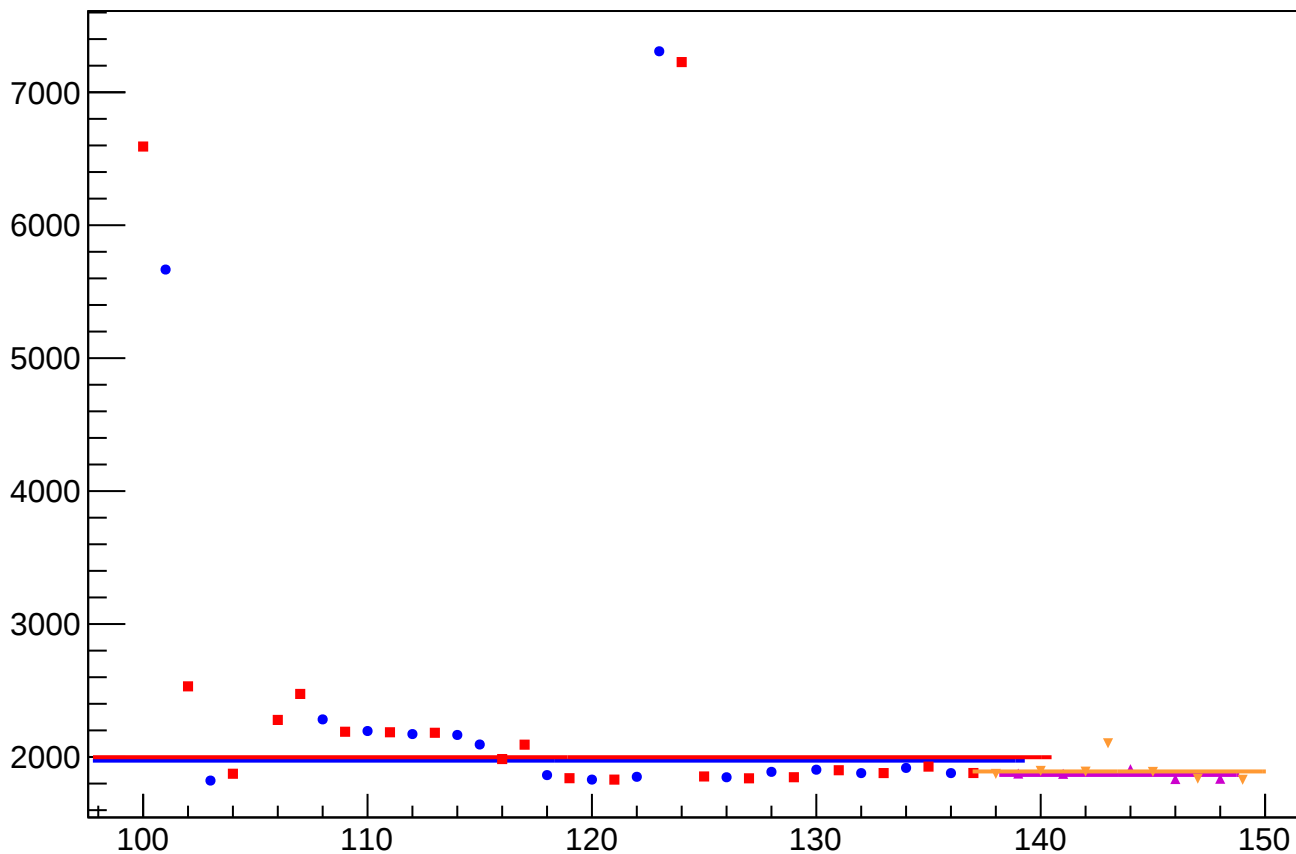
Left In: 2857.969+/-930.051 χ^2/NDF : 7.7/4

2081.926+/-576.751 χ^2/NDF : 18.9/23

2096.829+/-412.521 χ^2/NDF : 45.1/48

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: 1891.175+/-0.602 χ^2/NDF :16636.7/6

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

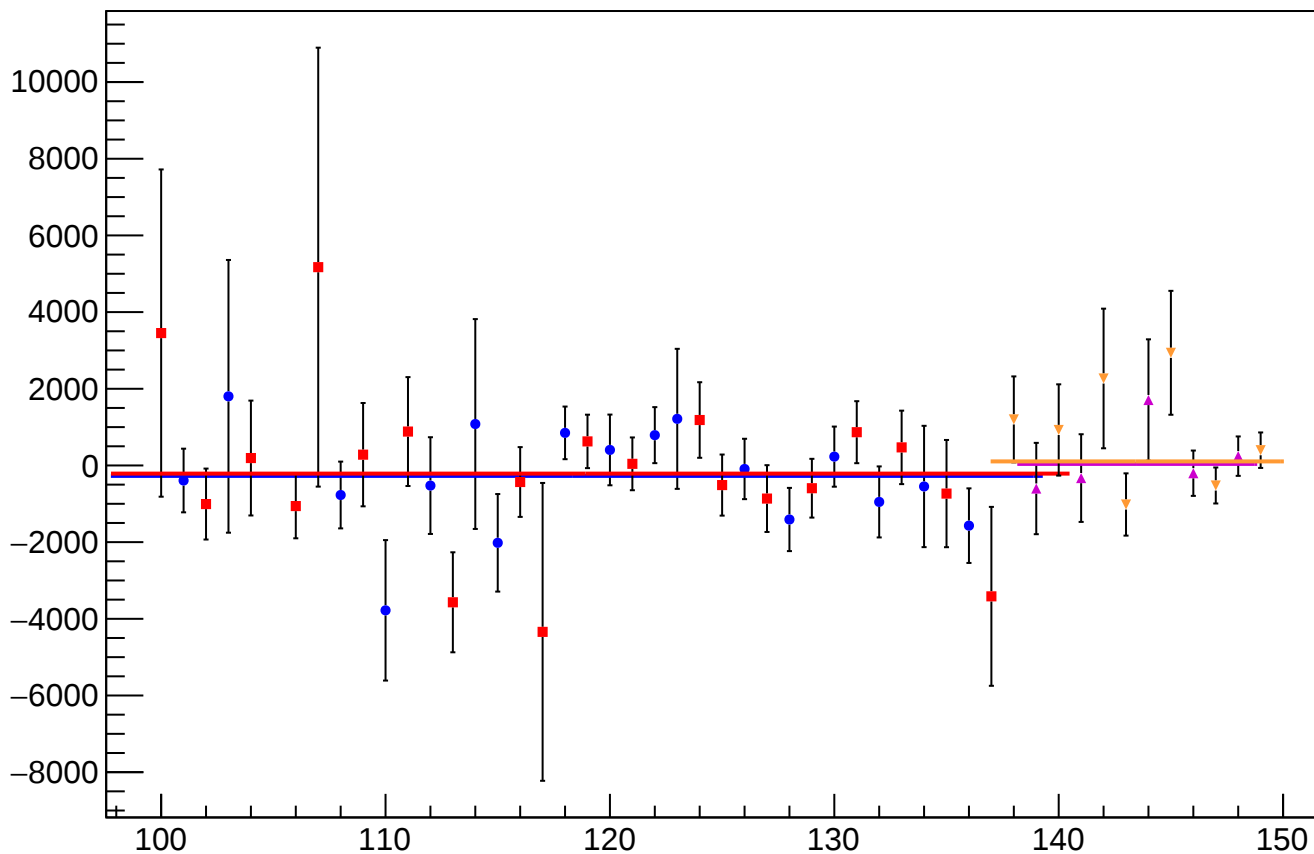
Left In: 1865.109+/-0.658 χ^2/NDF :1803.1/4

1935.198+/-0.408 χ^2/NDF : 627375.3/23

1939.771+/-0.292 χ^2/NDF : 1009611.4/48

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: 105.716+/-278.277 χ^2/NDF : 10.0/6

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

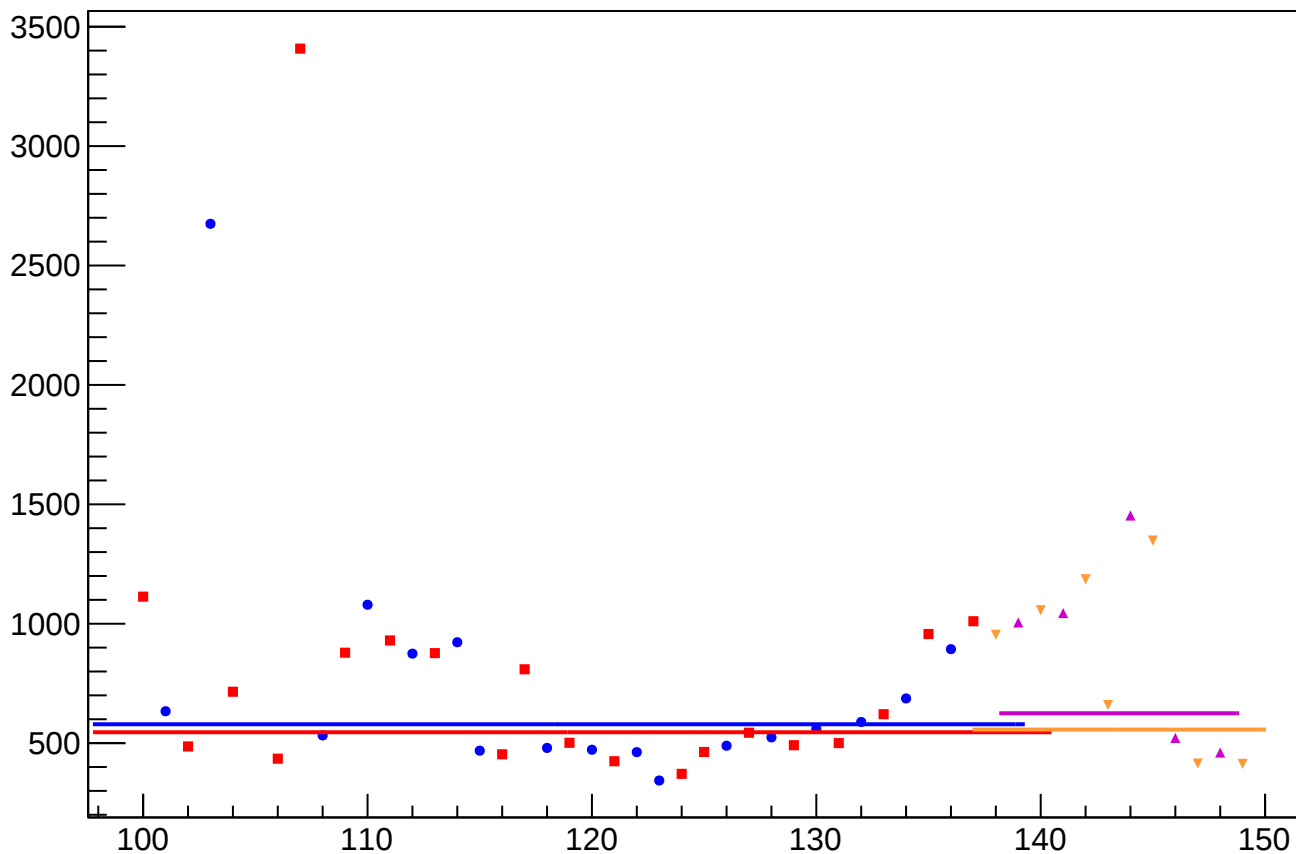
Left In: 40.511+/-342.673 χ^2/NDF : 1.8/4

-110.592+/-181.837 χ^2/NDF : 28.3/23

-122.129+/-131.432 χ^2/NDF : 51.4/48

-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: 556.786 $\pm$ 0.197 χ^2 /NDF: 1731773.3/6

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

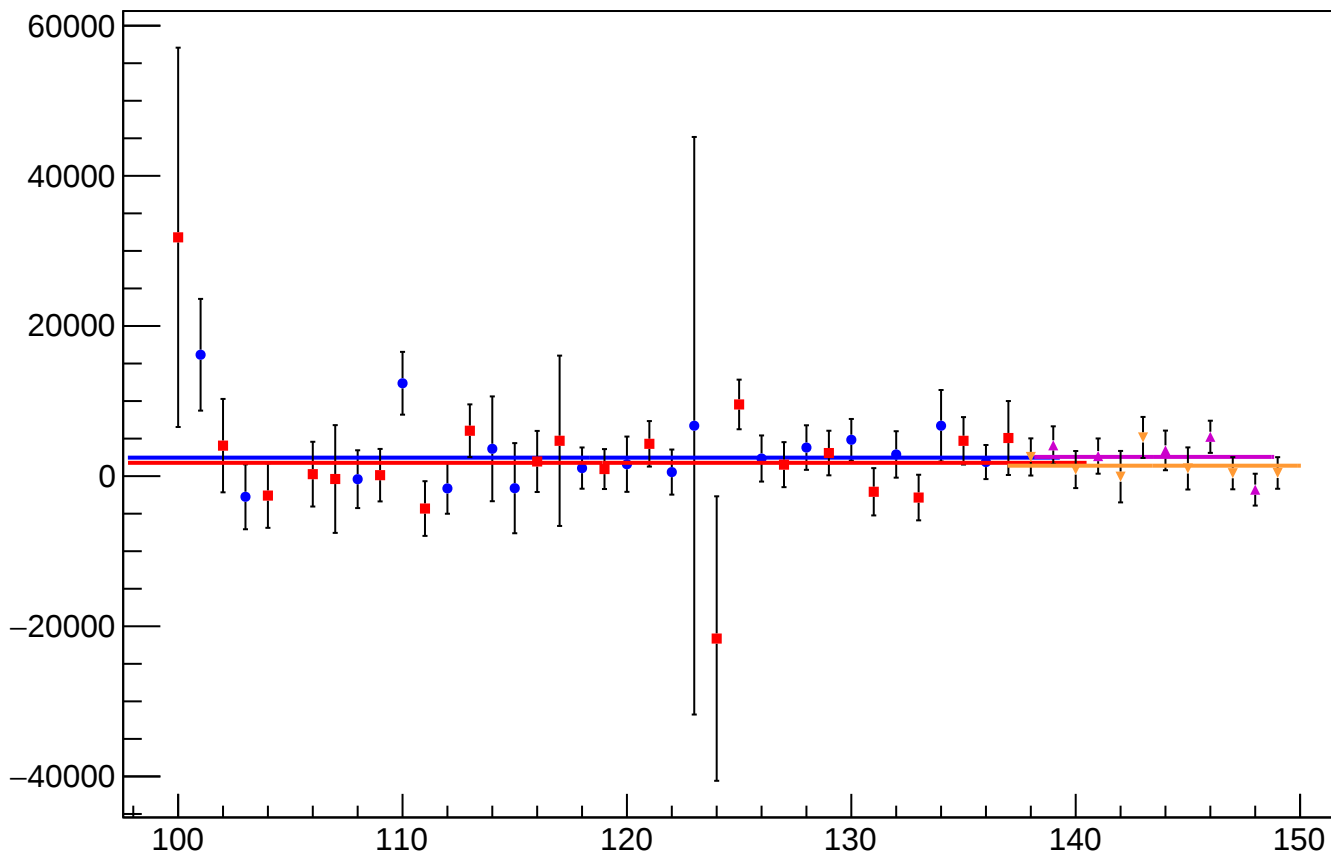
Left In: 625.139 $\pm$ 0.242 χ^2 /NDF: 1286383.2/4

569.521 $\pm$ 0.129 χ^2 /NDF: 3161231.6/23

569.795 $\pm$ 0.093 χ^2 /NDF: 5989241.5/48

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

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 1392.028 $\pm$ 946.269 χ^2/NDF : 2.8/6

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

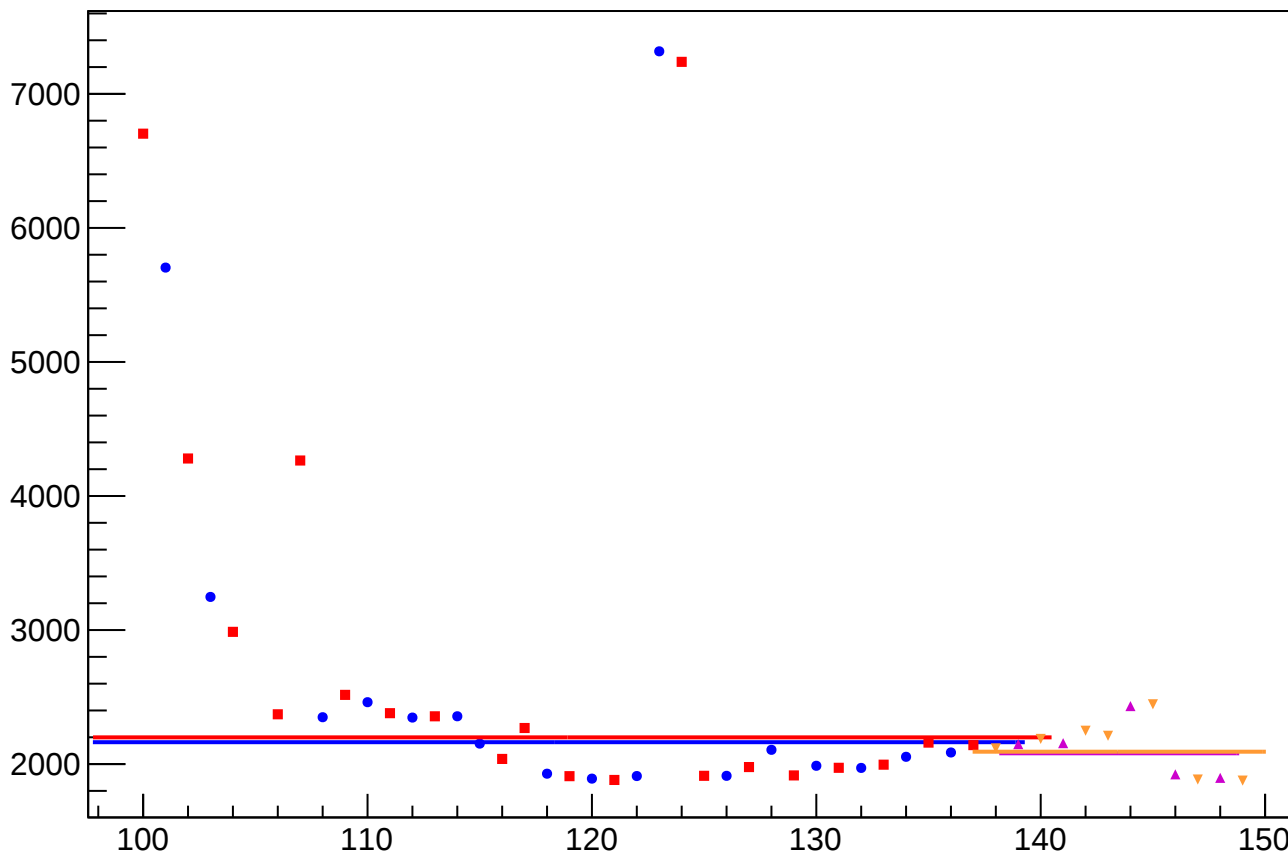
Left In: 2561.975 $\pm$ 1041.732 χ^2/NDF : 6.3/4

1977.166 $\pm$ 637.723 χ^2/NDF : 19.0/23

2031.234 $\pm$ 458.275 χ^2/NDF : 46.2/48

2088.969 $\pm$ 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: 2092.373+/-0.669 χ^2/NDF : 82676.5/6

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

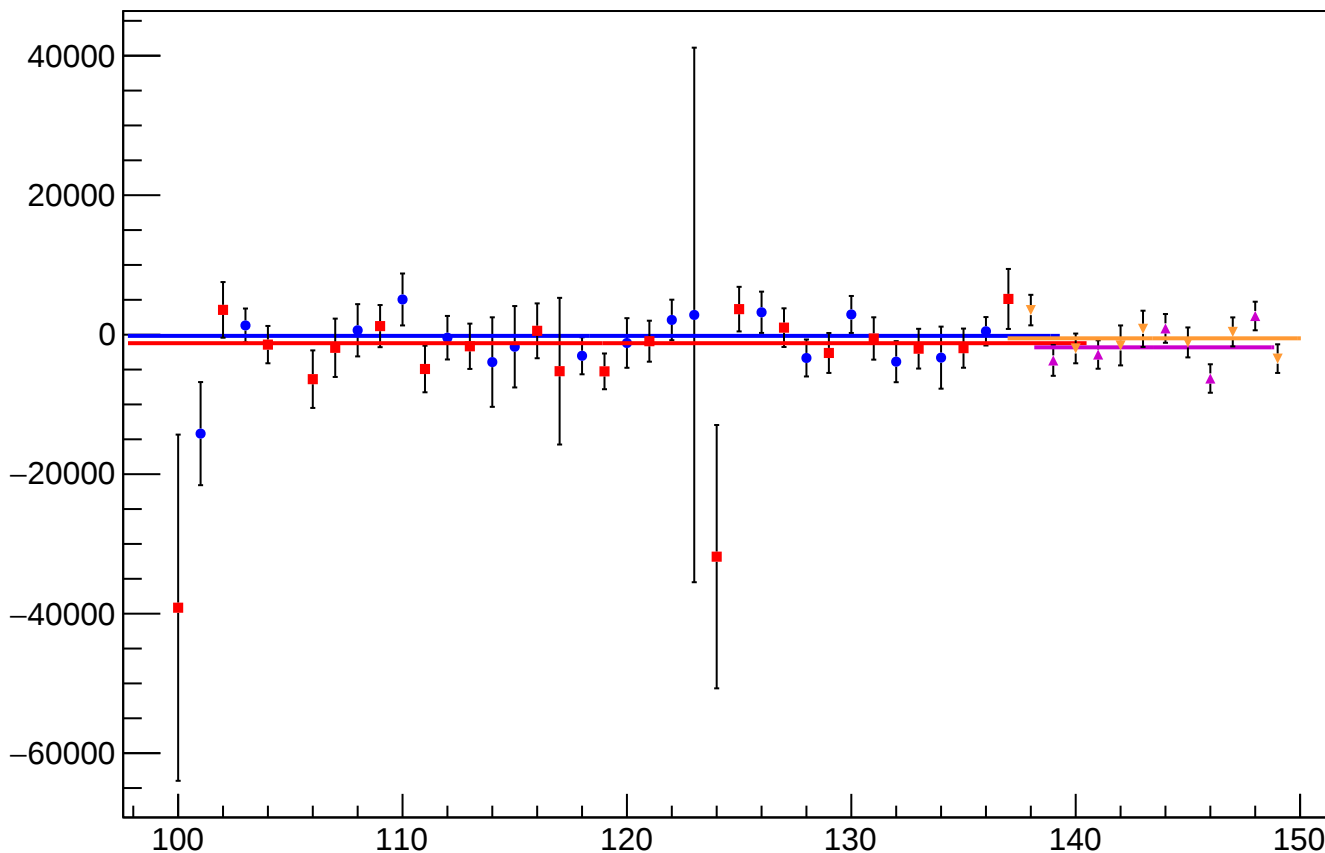
Left In: 2080.489+/-0.737 χ^2/NDF : 64771.6/4

2131.087+/-0.451 χ^2/NDF : 798394.4/23

2141.110+/-0.324 χ^2/NDF : 1683191.4/48

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 χ^2/NDF : 14.5/16

Left Out: -520.810+/-849.920 χ^2/NDF : 6.6/6

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

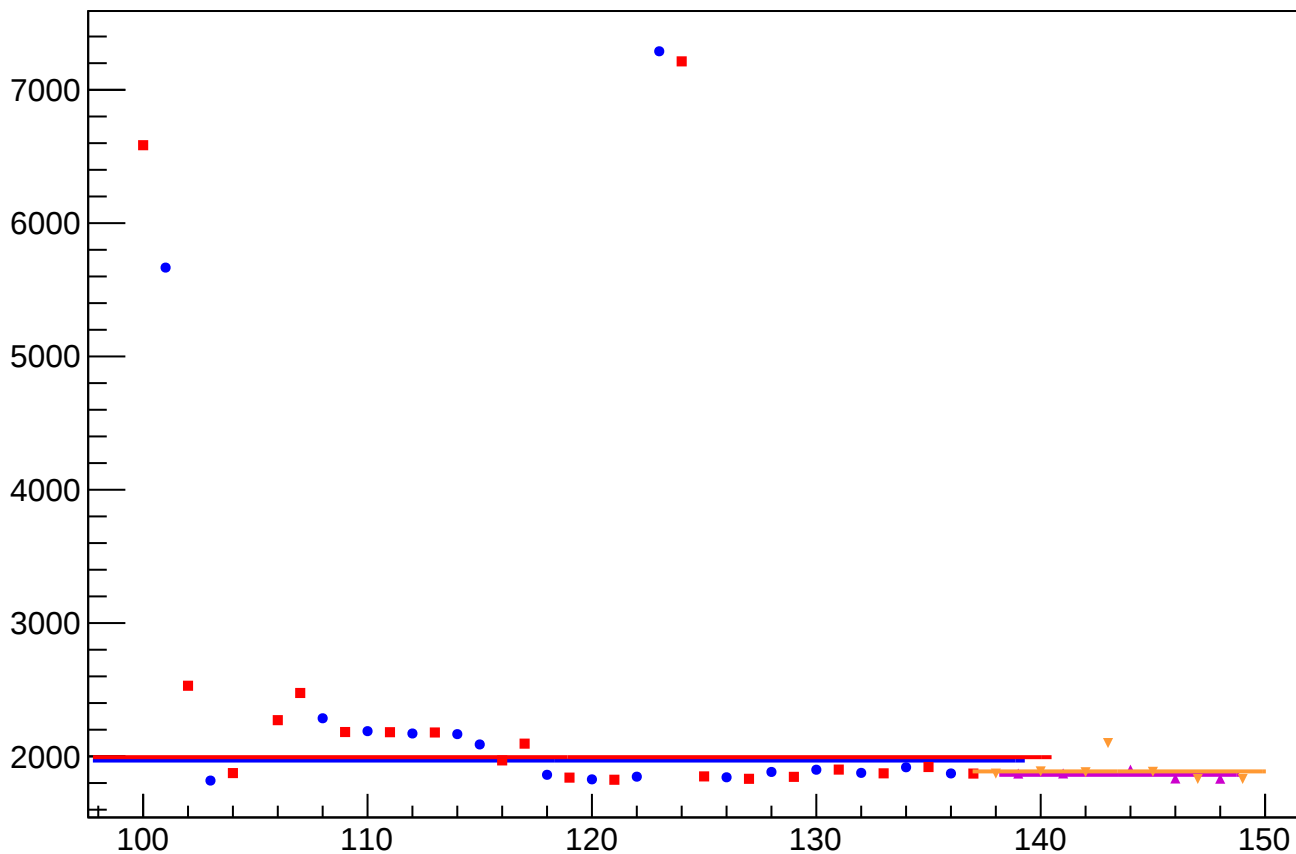
Left In: -1813.349+/-928.344 χ^2/NDF : 12.3/4

-331.105+/-575.626 χ^2/NDF : 21.2/23

-881.605+/-411.712 χ^2/NDF : 53.9/48

-1458.190+/-589.106 χ^2/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: 1887.217+/-0.601 χ^2/NDF : 16554.6/6

Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

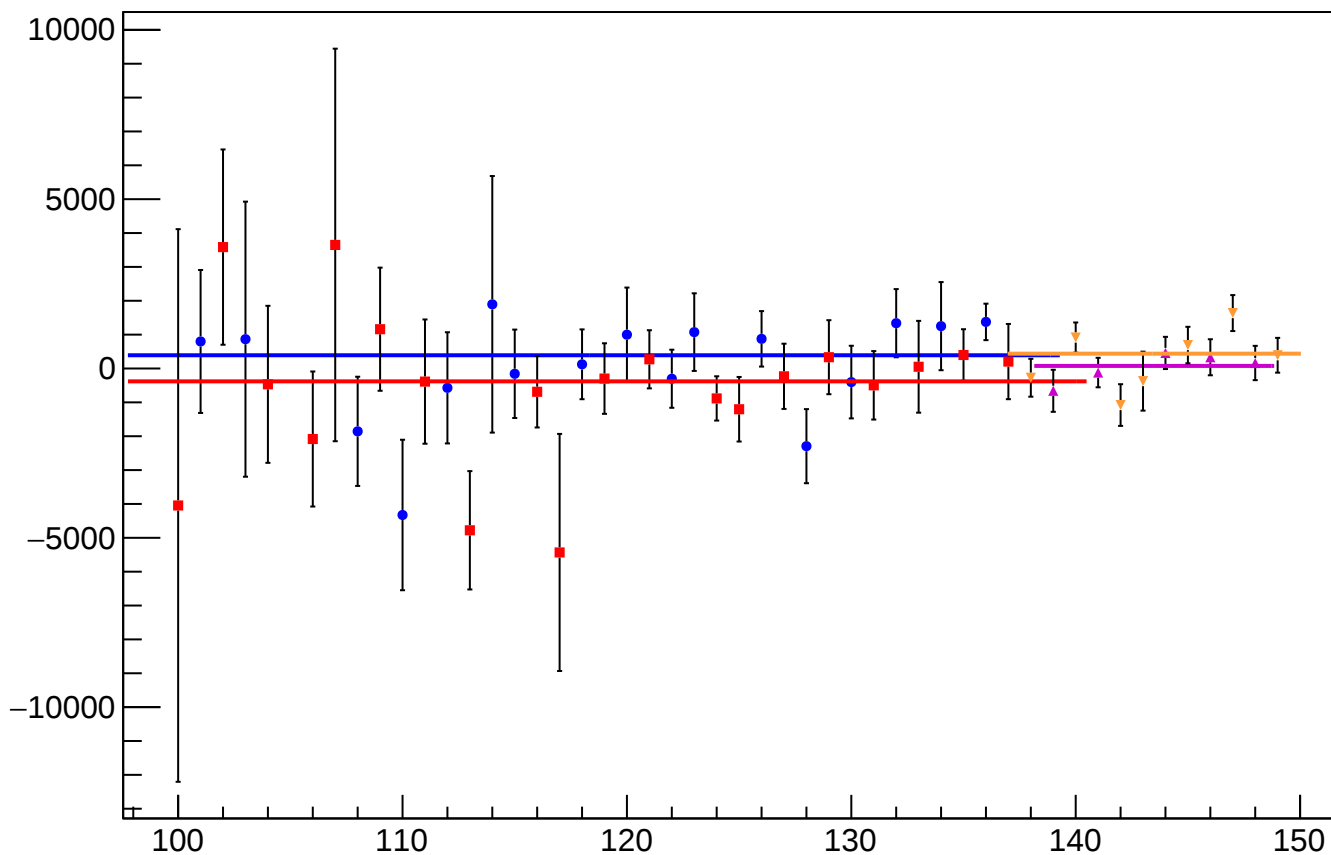
Left In: 1861.720+/-0.656 χ^2/NDF : 1560.5/4

1931.287+/-0.407 χ^2/NDF : 629461.5/23

1935.888+/-0.291 χ^2/NDF : 1011882.8/48

1940.707+/-0.417 χ^2/NDF : 382159.7/24

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923 $\pm$ 270.128 χ^2/NDF : 20.0/16

Left Out: 437.775 $\pm$ 208.607 χ^2/NDF :15.0/6

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

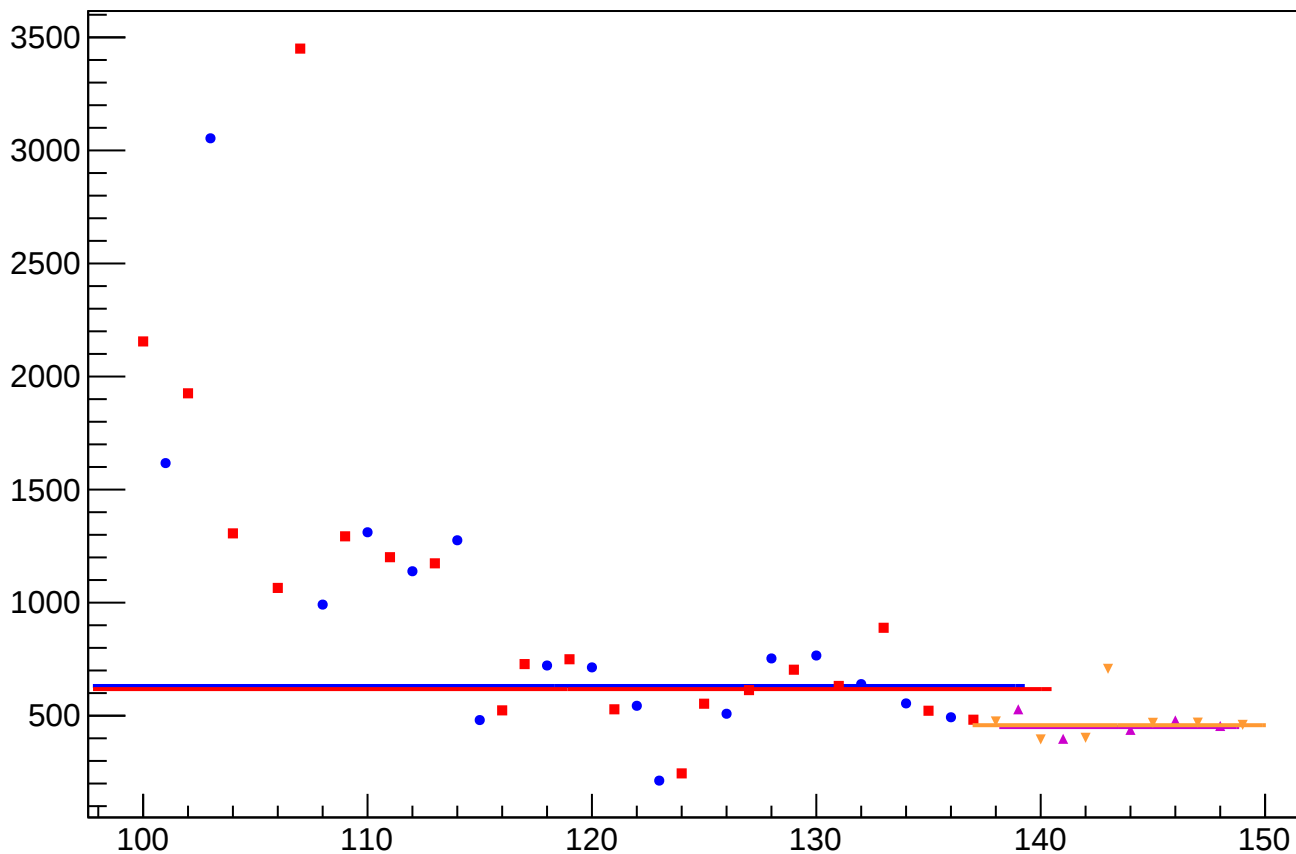
Left In: 76.100 $\pm$ 225.207 χ^2/NDF :2.5/4

420.272 $\pm$ 165.105 χ^2/NDF : 35.1/23

163.195 $\pm$ 119.009 χ^2/NDF : 60.7/48

-114.820 $\pm$ 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: 458.013 $\pm$ 0.148 χ^2 /NDF: 223601.9/6

Right Out: 617.675 $\pm$ 0.188 χ^2 /NDF: 2804158.4/19

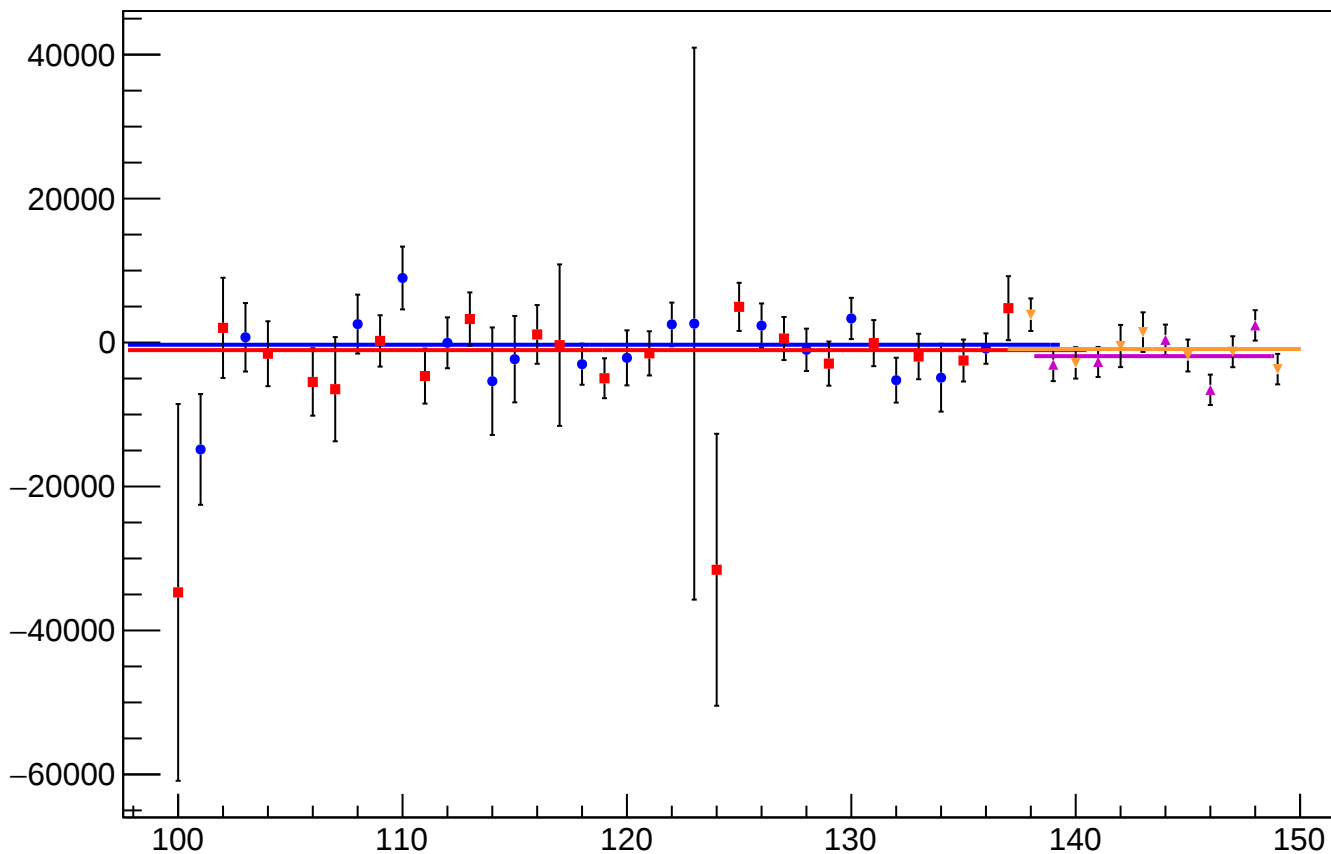
Left In: 449.704 $\pm$ 0.159 χ^2 /NDF: 68052.4/4

522.798 $\pm$ 0.117 χ^2 /NDF: 3000634.1/23

521.474 $\pm$ 0.084 χ^2 /NDF: 6339003.9/48

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: -901.265+/-878.364 χ^2/NDF : 7.9/6

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

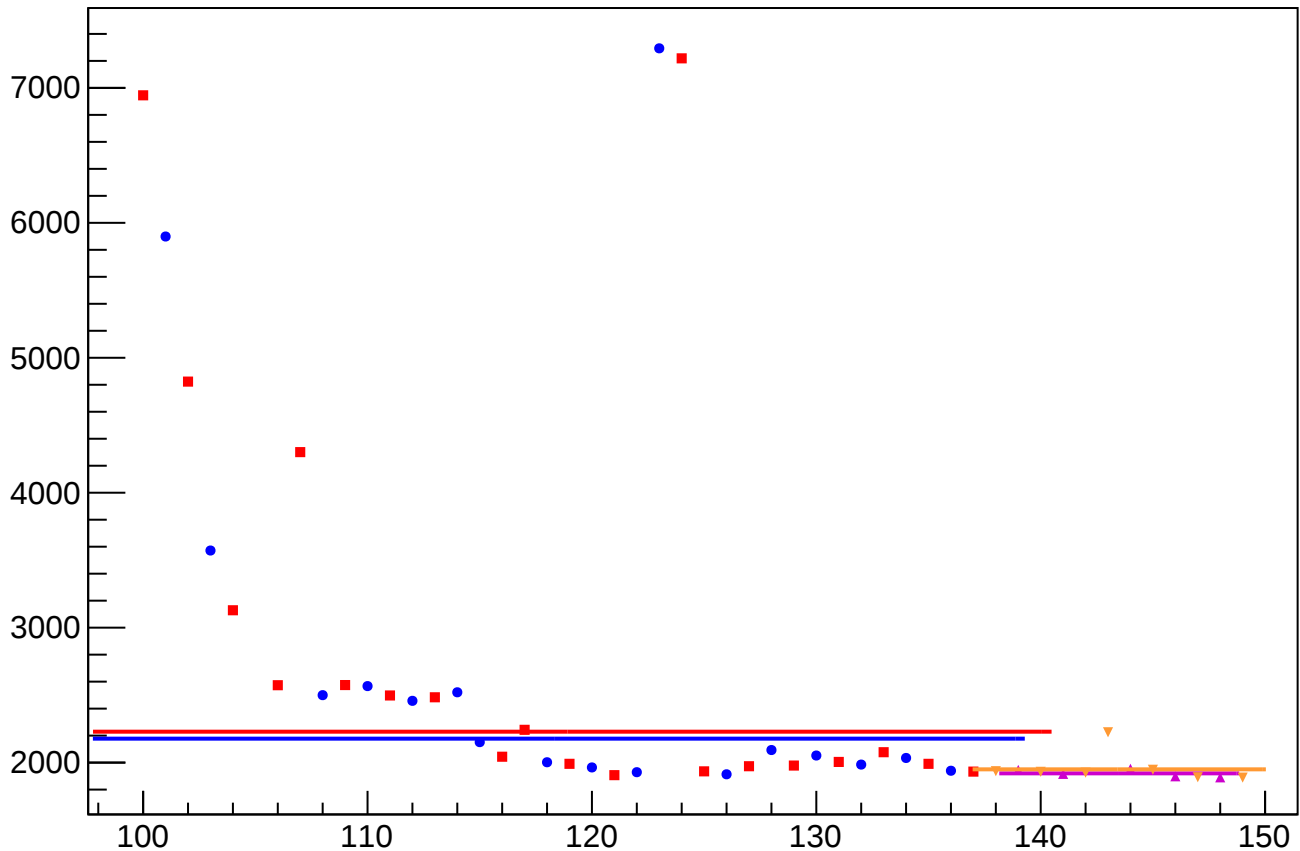
Left In: -1888.956+/-957.449 χ^2/NDF : 10.5/4

-601.297+/-618.807 χ^2/NDF : 25.3/23

-999.800+/-445.467 χ^2/NDF : 53.7/48

-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: 1950.035+/-0.621 χ^2/NDF : 23467.0/6

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

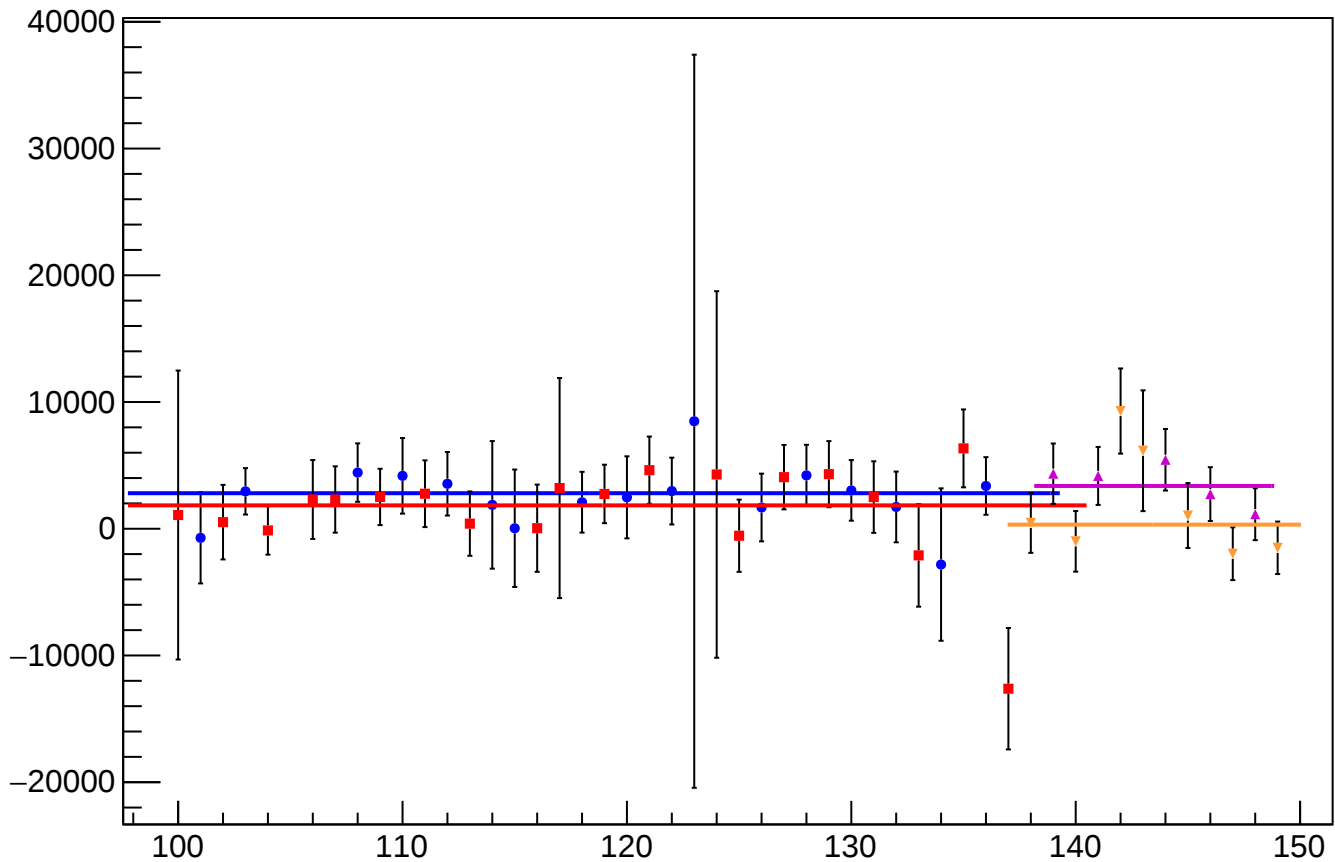
Left In: 1920.357+/-0.677 χ^2/NDF : 1376.1/4

2064.578+/-0.438 χ^2/NDF : 893828.0/23

2077.005+/-0.315 χ^2/NDF : 1907210.2/48

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: 323.950 ± 952.351 χ^2/NDF : 11.0/6

Right Out: 1844.945 ± 653.448 χ^2/NDF : 18.1/19

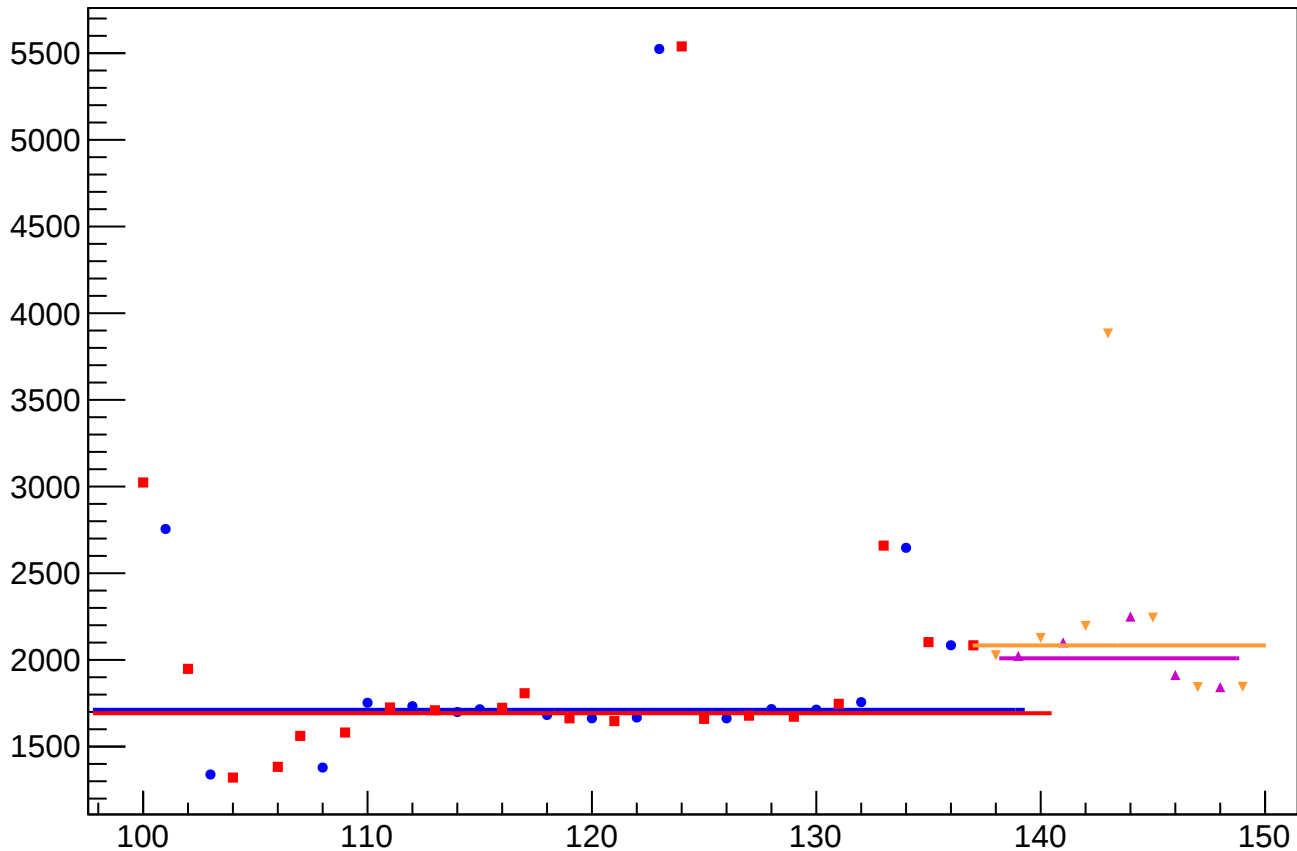
Left In: 3377.284 ± 1001.455 χ^2/NDF : 2.3/4

1968.868 ± 552.624 χ^2/NDF : 19.4/23

2137.327 ± 388.852 χ^2/NDF : 41.6/48

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: 2083.593+/-0.673 χ^2/NDF : 350293.3/6

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

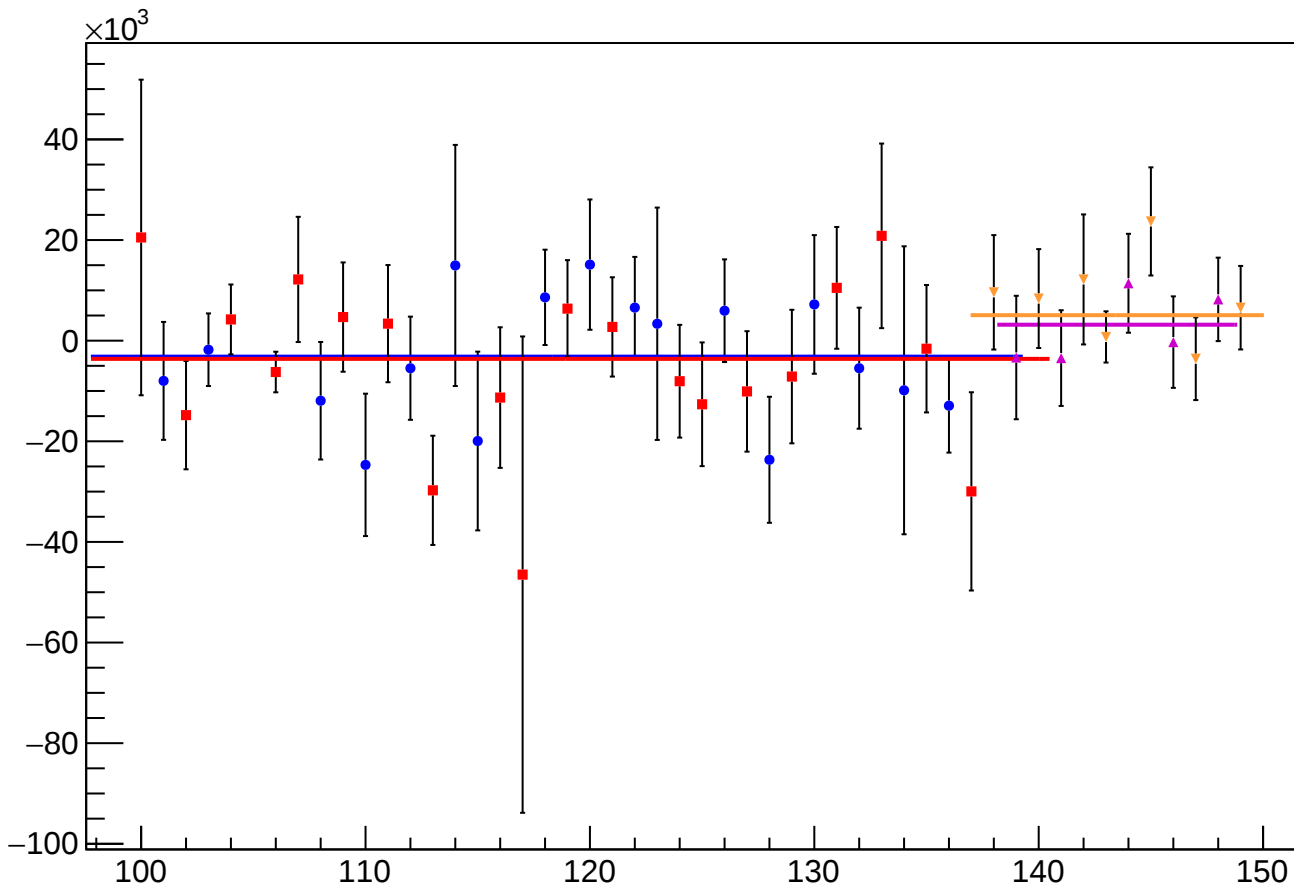
Left In: 2009.225+/-0.708 χ^2/NDF : 40203.6/4

1837.224+/-0.391 χ^2/NDF : 984566.5/23

1811.872+/-0.275 χ^2/NDF : 1628779.3/48

1787.011+/-0.387 χ^2/NDF : 635876.2/24

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 5066.198 $\pm$ 3152.682 χ^2 /NDF: 5.4/6

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

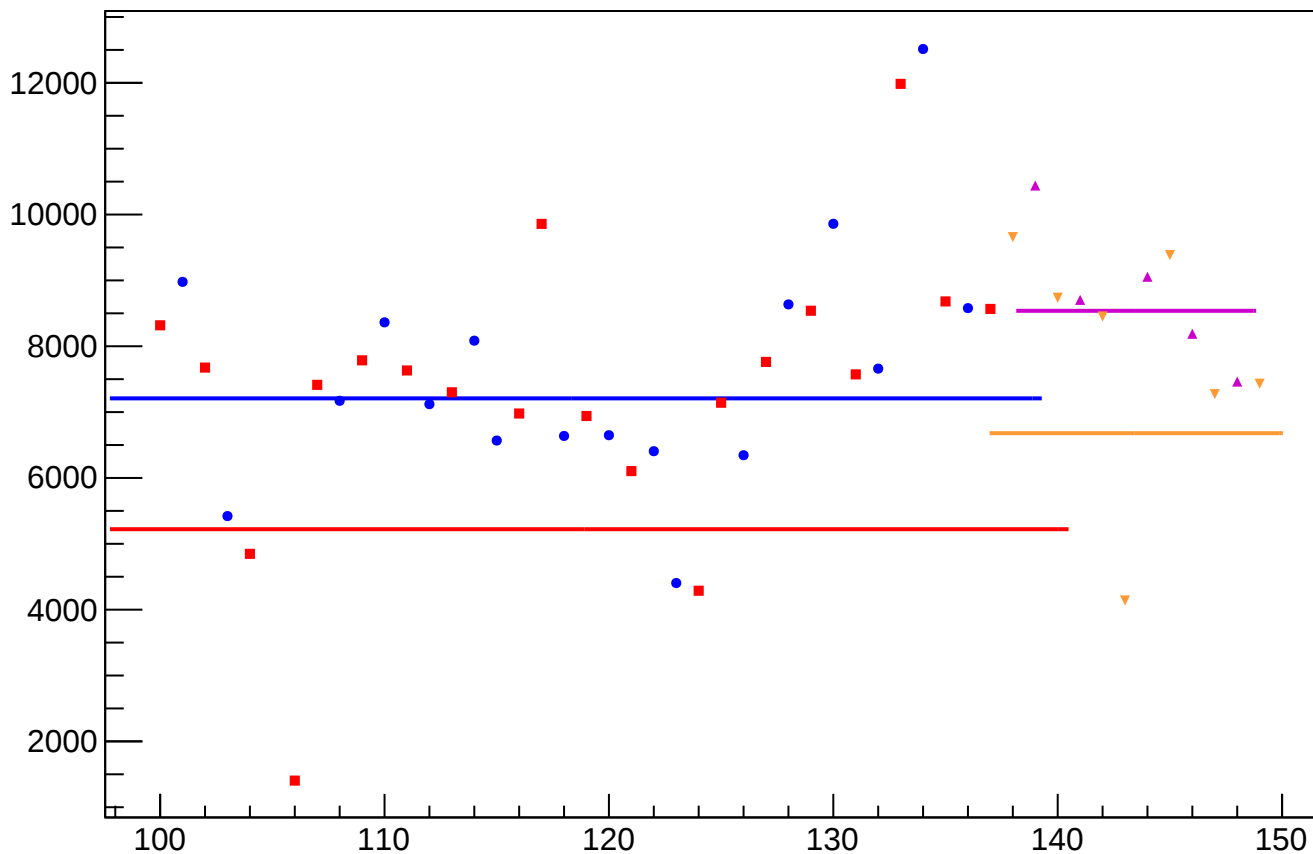
Left In: 3170.875 $\pm$ 4276.429 χ^2 /NDF: 2.0/4

534.896 $\pm$ 2114.995 χ^2 /NDF: 23.6/23

-872.543 $\pm$ 1453.494 χ^2 /NDF: 48.7/48

-2132.167 $\pm$ 2000.852 χ^2 /NDF: 24.3/24

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 6680.238+/-2.229 χ^2/NDF : 913573.9/6

Right Out: 5221.816+/-1.601 χ^2/NDF : 3216100.5/19

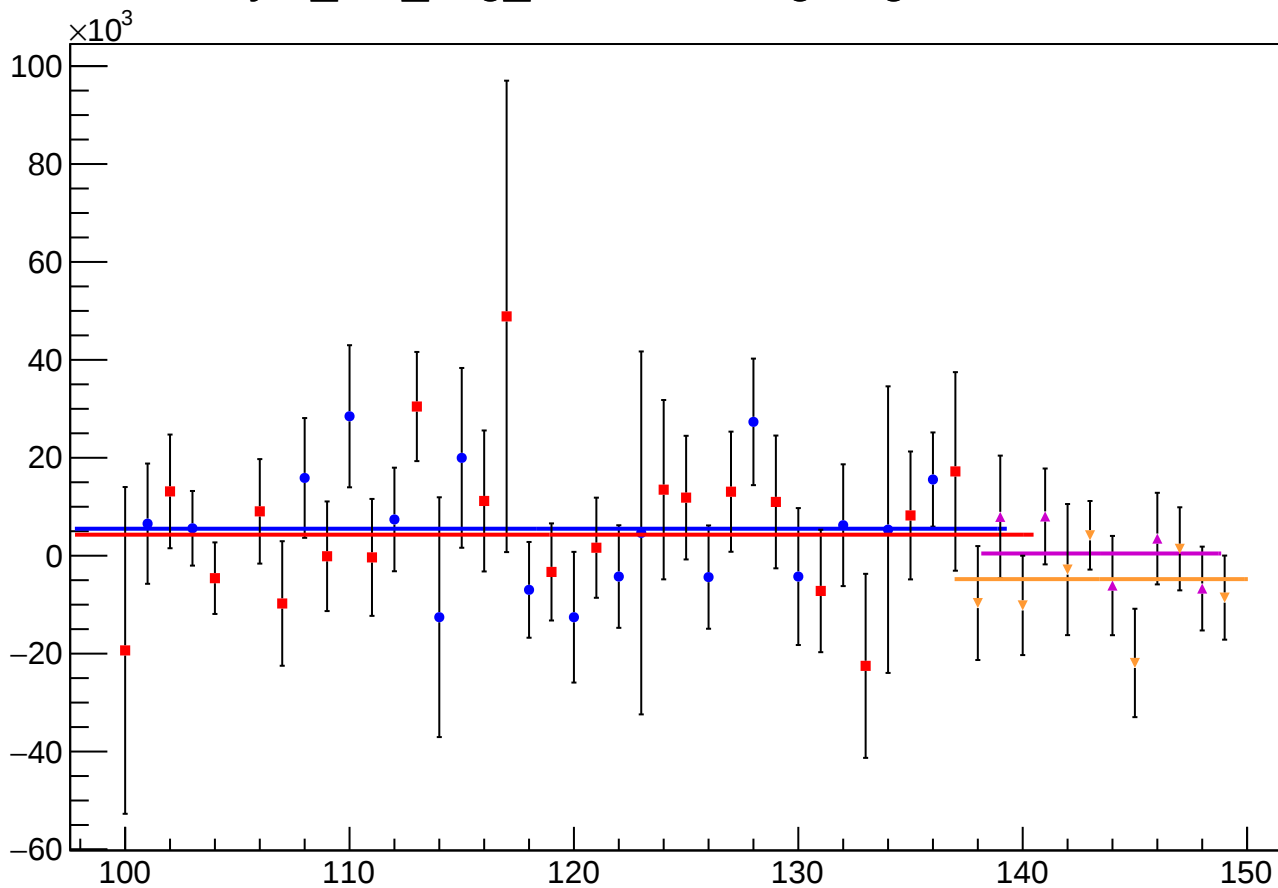
Left In: 8538.236+/-3.024 χ^2/NDF : 90763.4/4

6970.794+/-1.496 χ^2/NDF : 1413764.9/23

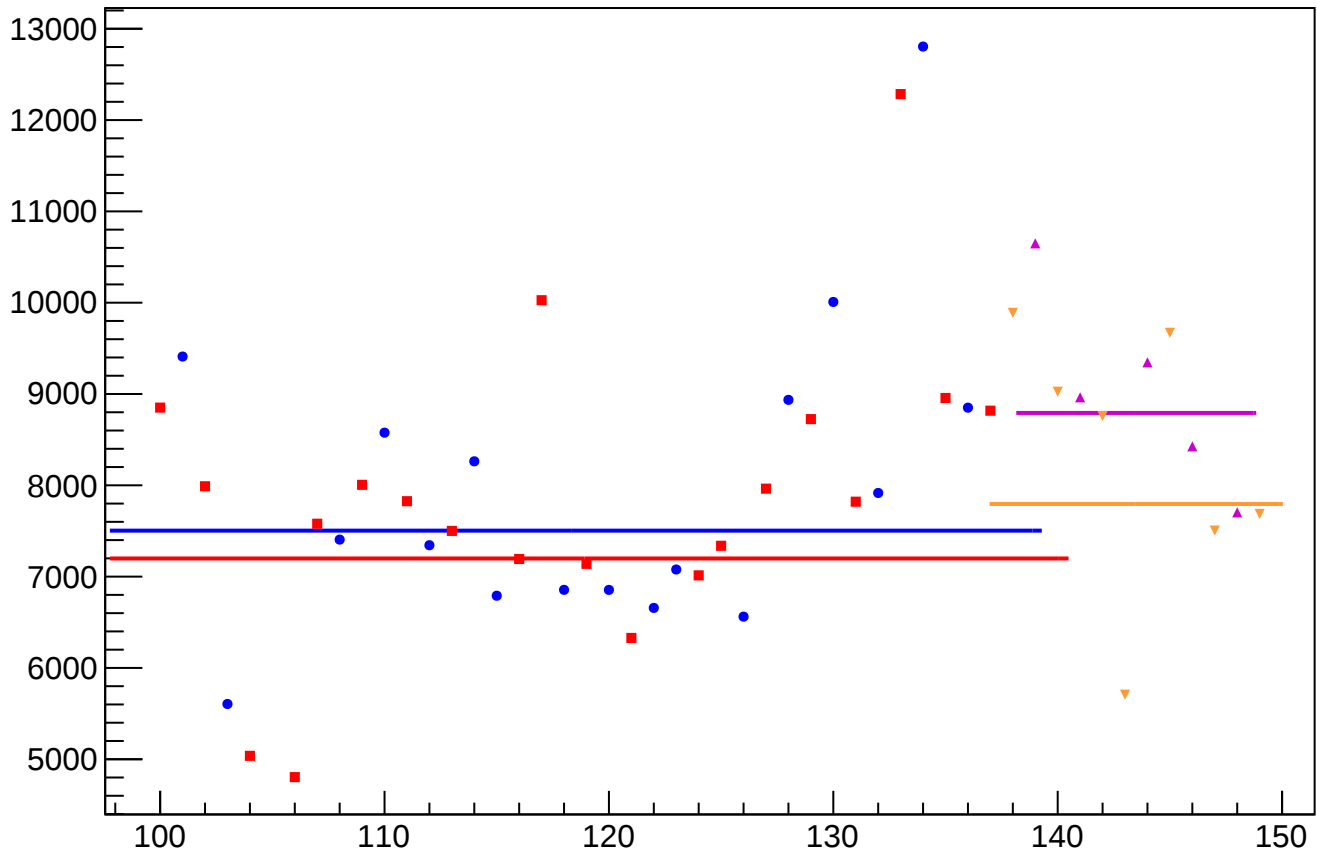
6430.957+/-1.028 χ^2/NDF : 5907062.1/48

5947.816+/-1.415 χ^2/NDF : 4246386.3/24

asym_at2_avg_mean vs Slug, Sign Corrected



asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 $\pm$ 2.101 χ^2 /NDF: 427313.5/16

Left Out: 7795.672 $\pm$ 2.521 χ^2 /NDF:342225.1/6

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

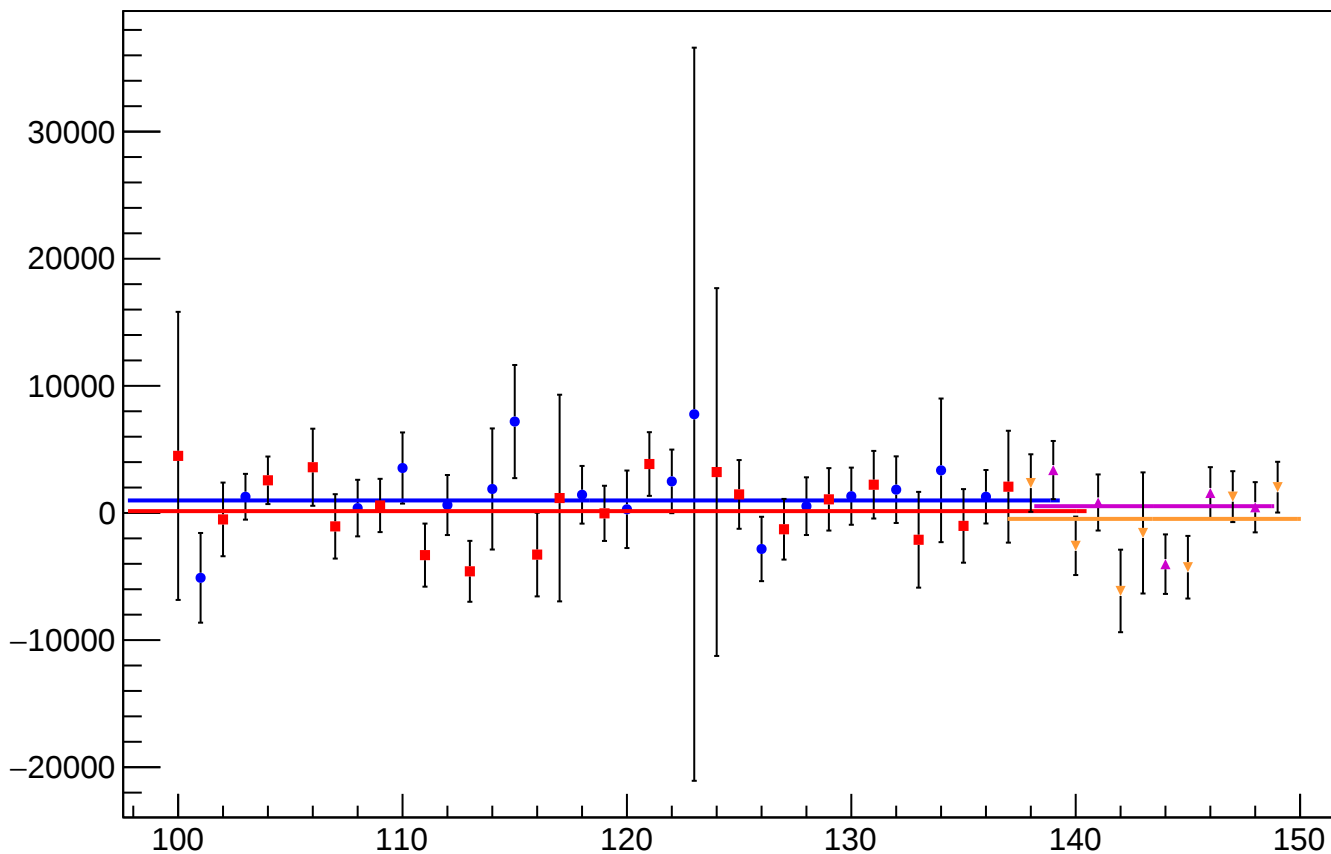
Left In: 8792.711 $\pm$ 3.112 χ^2 /NDF:86054.3/4

7623.332 $\pm$ 1.614 χ^2 /NDF: 777456.3/23

7638.439 $\pm$ 1.159 χ^2 /NDF: 1615628.2/48

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: -465.521 $\pm$ 917.194 χ^2 /NDF:10.2/6

Right Out: 144.683 $\pm$ 621.728 χ^2 /NDF: 14.7/19

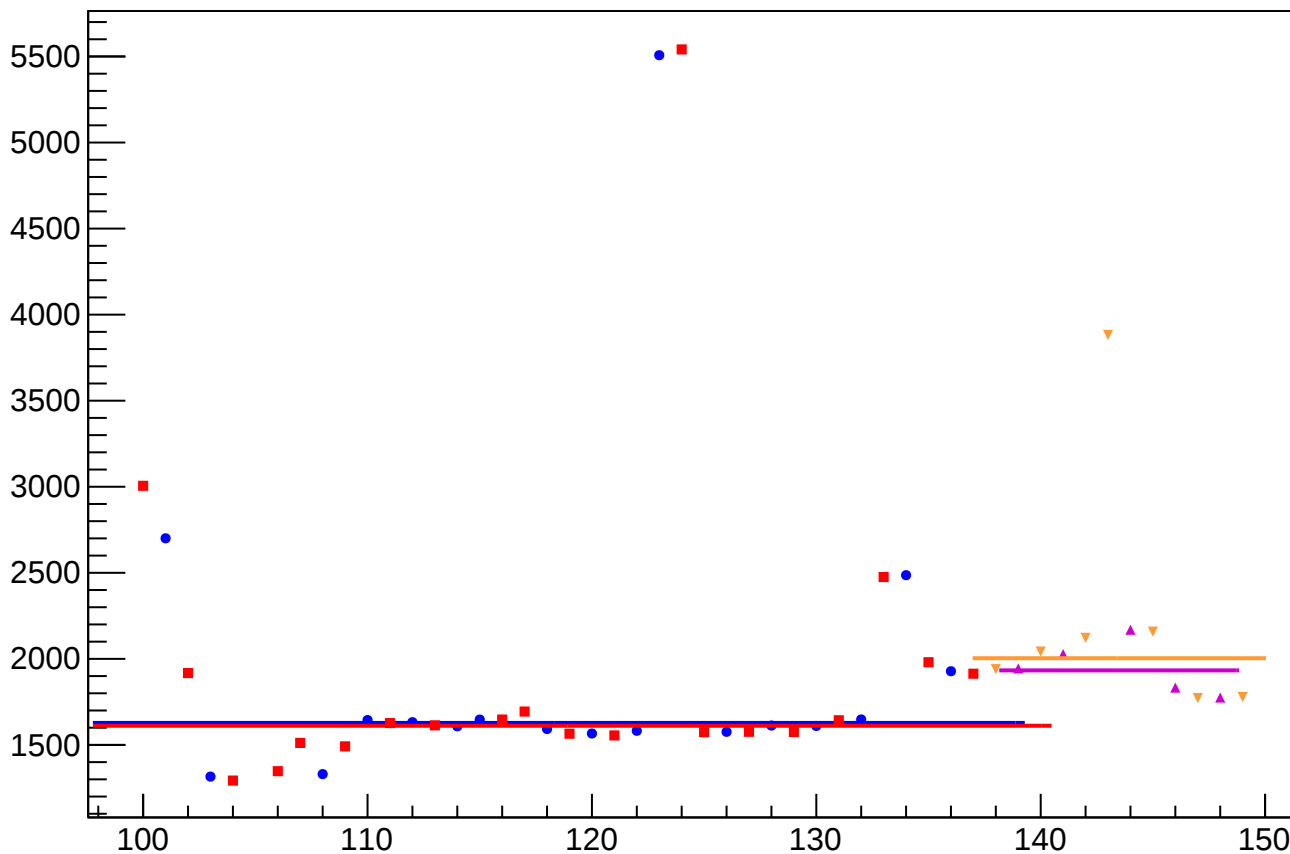
Left In: 533.863 $\pm$ 963.595 χ^2 /NDF:5.6/4

505.700 $\pm$ 527.399 χ^2 /NDF: 20.9/23

381.219 $\pm$ 371.156 χ^2 /NDF: 41.5/48

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: 2003.747 $\pm$ 0.649 χ^2 /NDF: 375839.9/6

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

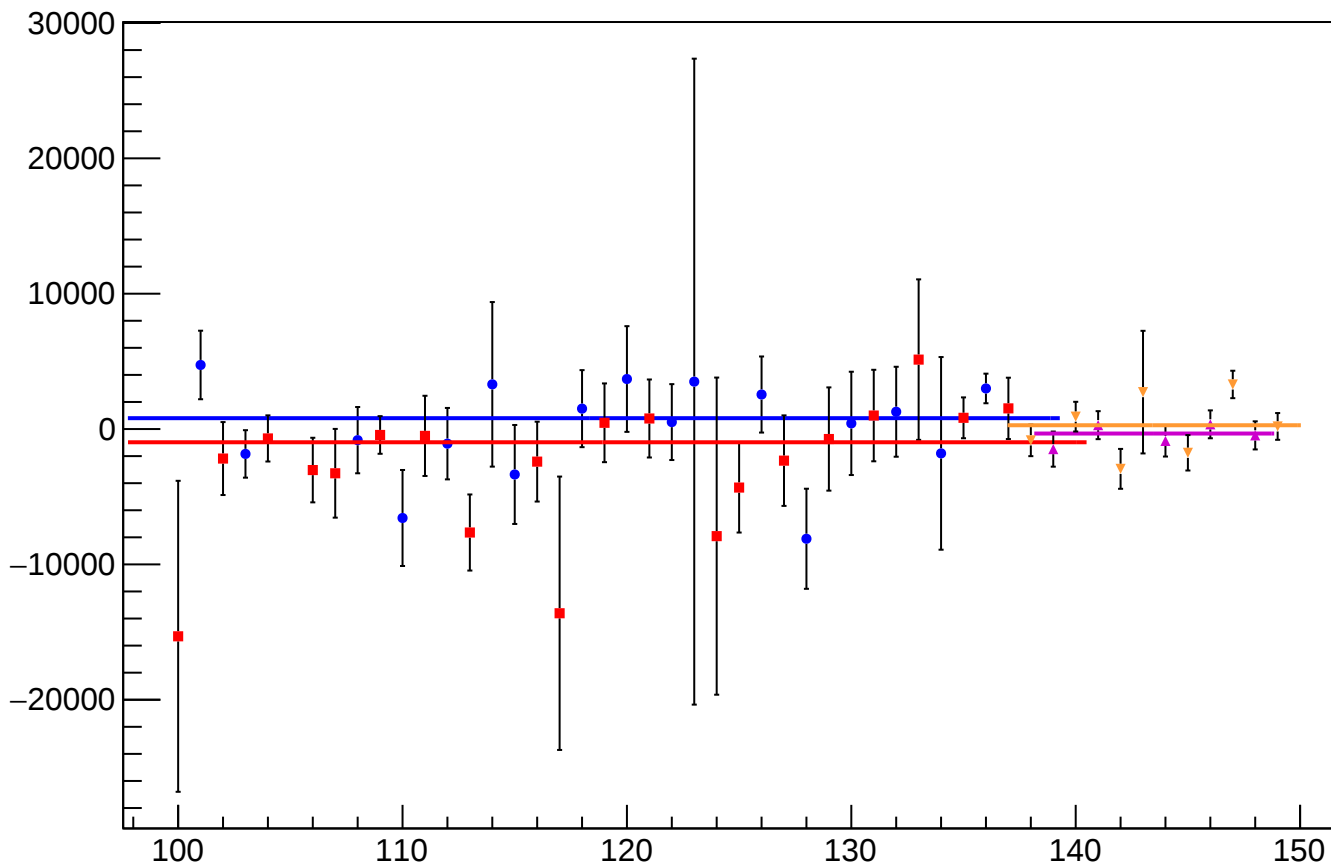
Left In: 1933.144 $\pm$ 0.681 χ^2 /NDF: 41708.5/4

1752.128 $\pm$ 0.373 χ^2 /NDF: 1007819.3/23

1728.843 $\pm$ 0.262 χ^2 /NDF: 1648822.8/48

1705.996 $\pm$ 0.369 χ^2 /NDF: 633279.8/24

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 280.560 $\pm$ 463.376 χ^2 /NDF: 17.6/6

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

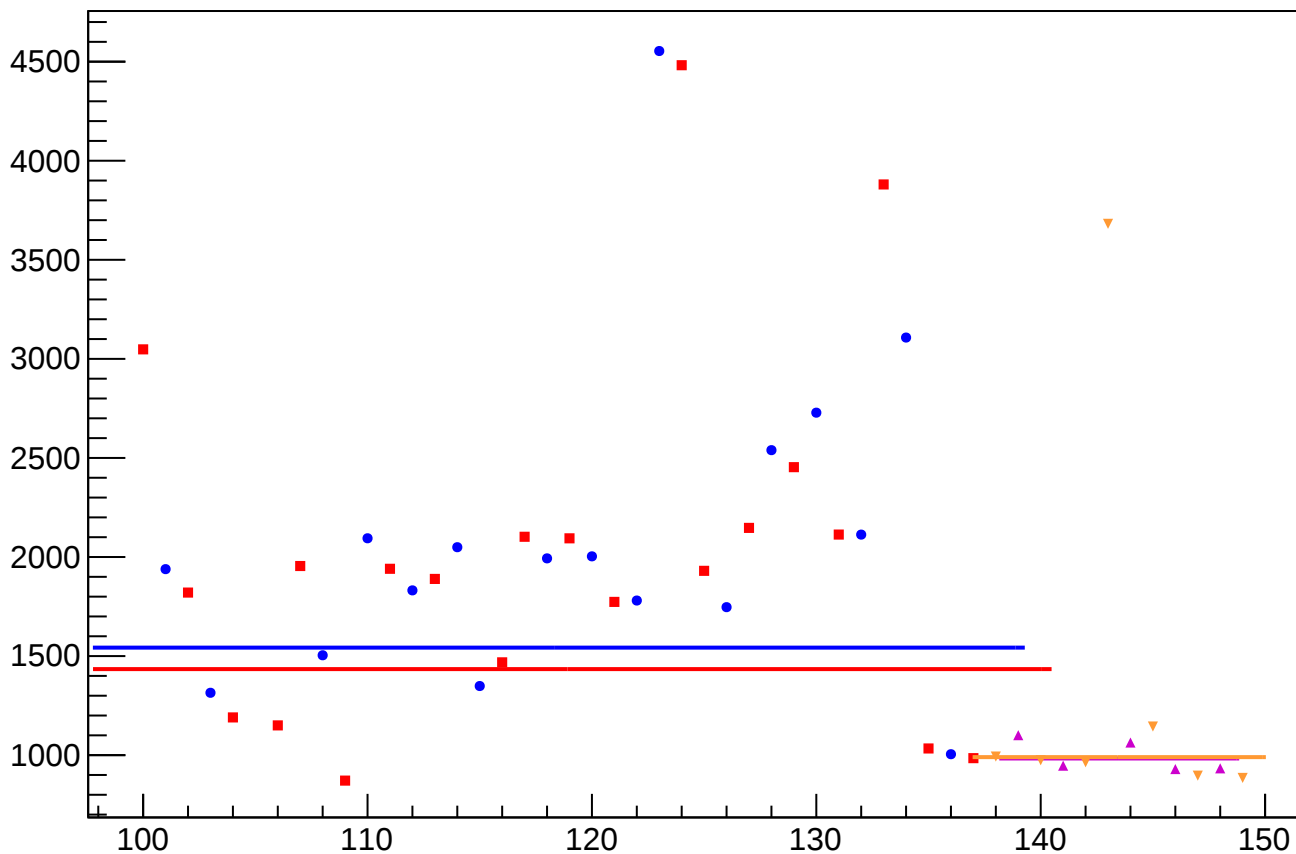
Left In: -331.704 $\pm$ 490.922 χ^2 /NDF: 1.8/4

463.355 $\pm$ 373.627 χ^2 /NDF: 40.5/23

-61.641 $\pm$ 265.391 χ^2 /NDF: 63.8/48

-596.260 $\pm$ 377.036 χ^2 /NDF: 19.4/24

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705 +/- 0.447 χ^2/NDF : 1287946.3/16

Left Out: 990.035 +/- 0.328 χ^2/NDF : 774780.3/6

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

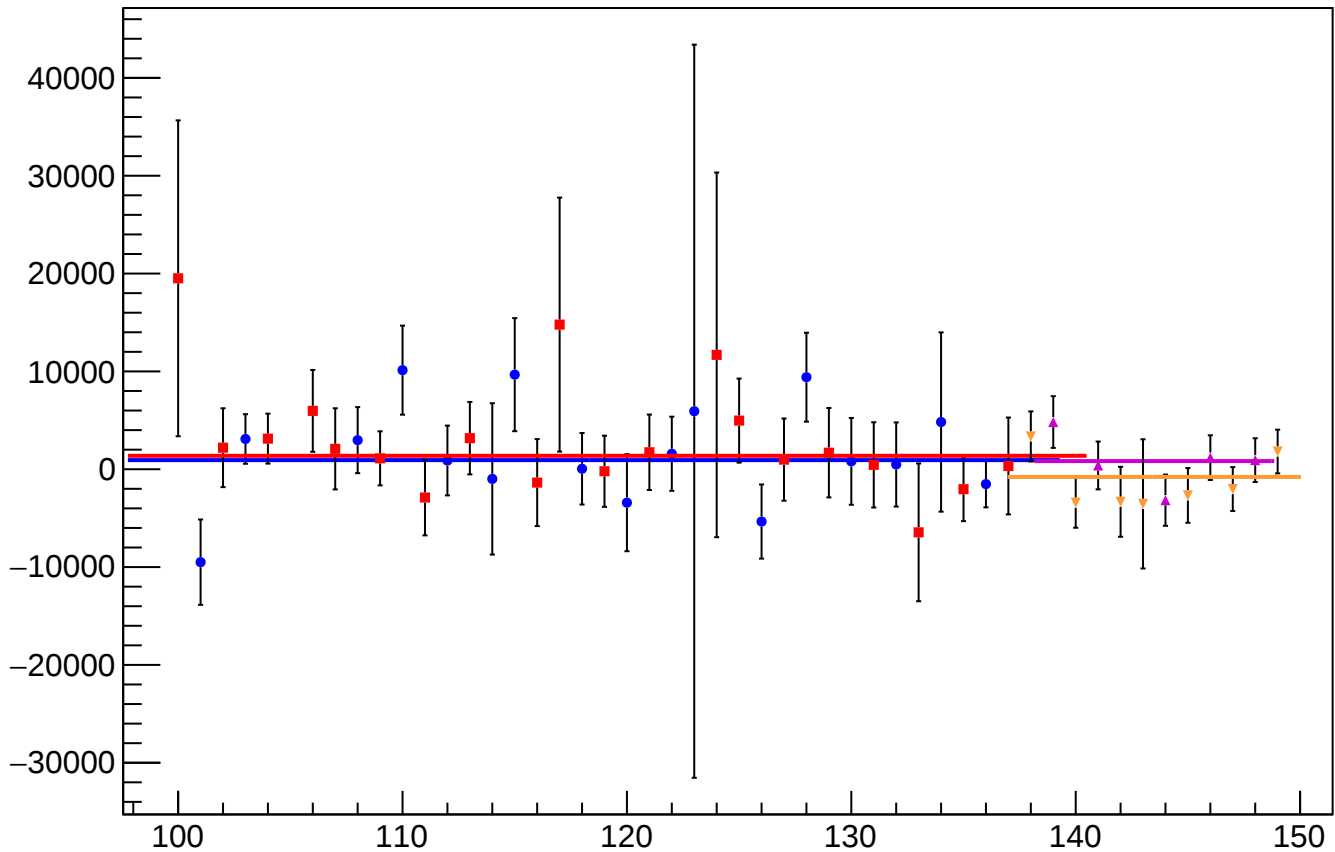
Left In: 983.163 +/- 0.347 χ^2/NDF : 38585.5/4

1183.389 +/- 0.264 χ^2/NDF : 3058094.4/23

1175.860 +/- 0.188 χ^2/NDF : 5623608.3/48

1168.193 +/- 0.267 χ^2/NDF : 2563874.7/24

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -785.613 $\pm$ 1035.063 χ^2/NDF : 6.5/6

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

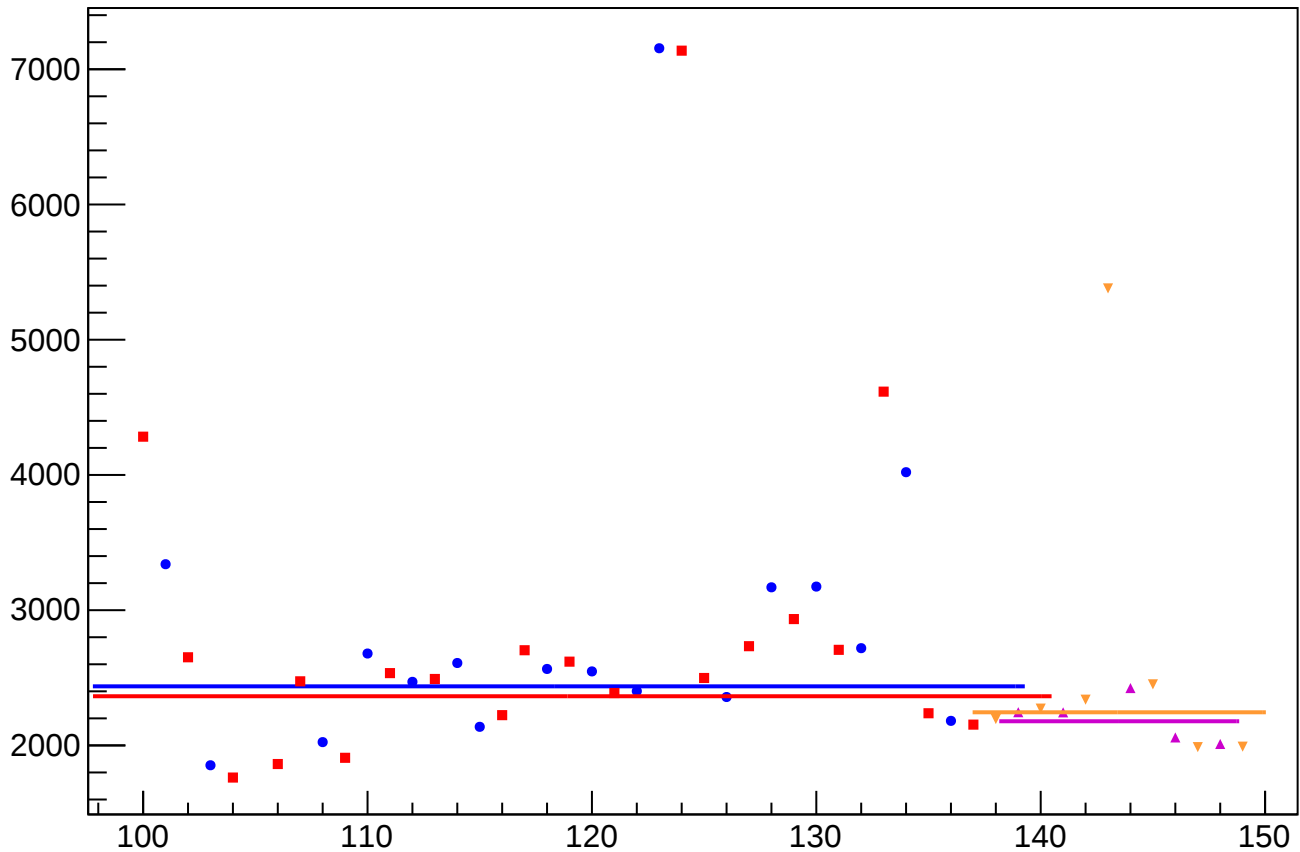
Left In: 834.178 $\pm$ 1085.685 χ^2/NDF : 4.7/4

131.124 $\pm$ 706.977 χ^2/NDF : 29.5/23

642.575 $\pm$ 498.585 χ^2/NDF : 45.0/48

1148.646 $\pm$ 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: 2244.978 ± 0.732 $\chi^2/\text{NDF}: 516153.9/6$

Right Out: 2363.609 ± 0.653 $\chi^2/\text{NDF}: 657228.5/19$

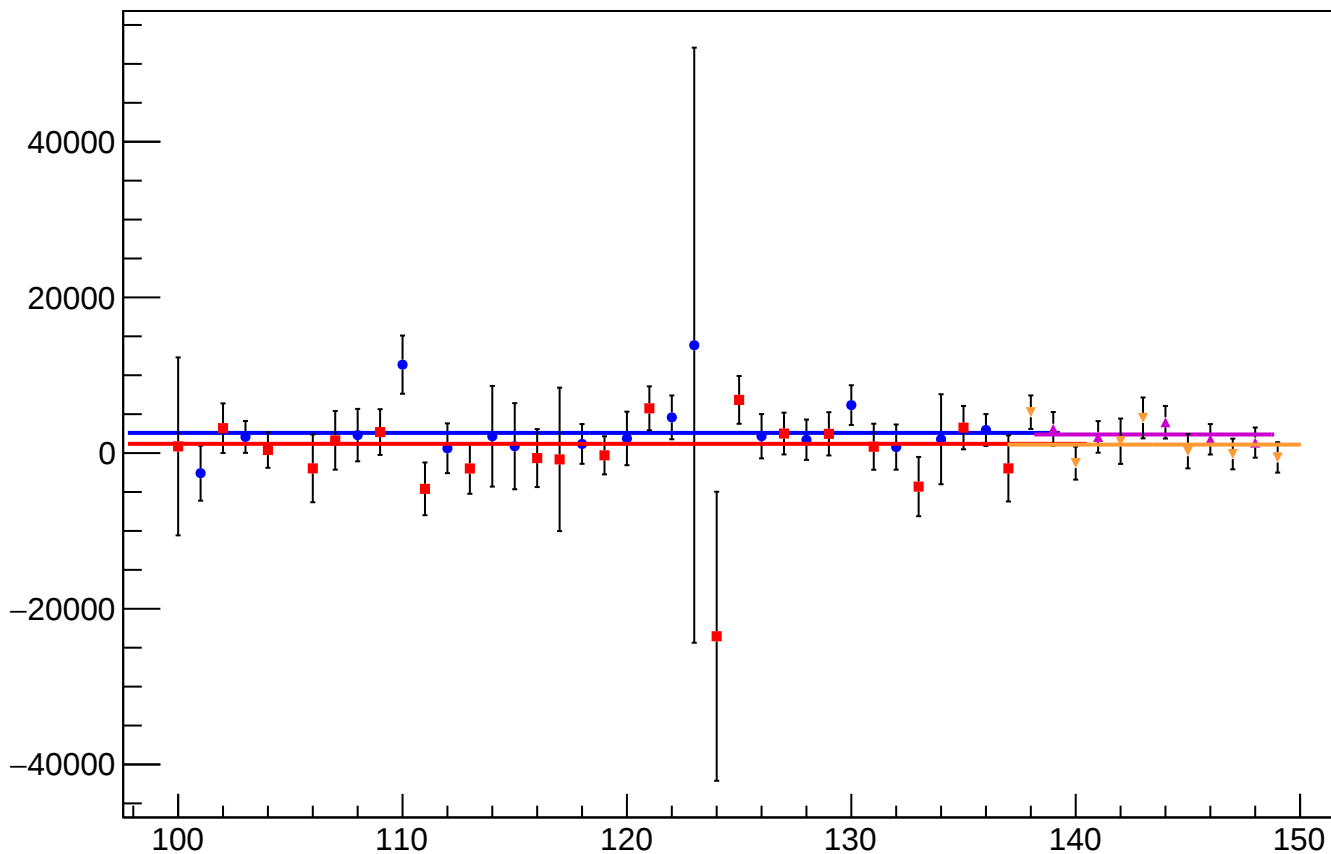
Left In: 2178.626 ± 0.768 $\chi^2/\text{NDF}: 37080.9/4$

2347.339 ± 0.500 $\chi^2/\text{NDF}: 1021849.5/23$

2316.505 ± 0.353 $\chi^2/\text{NDF}: 1757428.2/48$

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: 1091.923 $\pm$ 837.664 χ^2 /NDF: 7.9/6

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

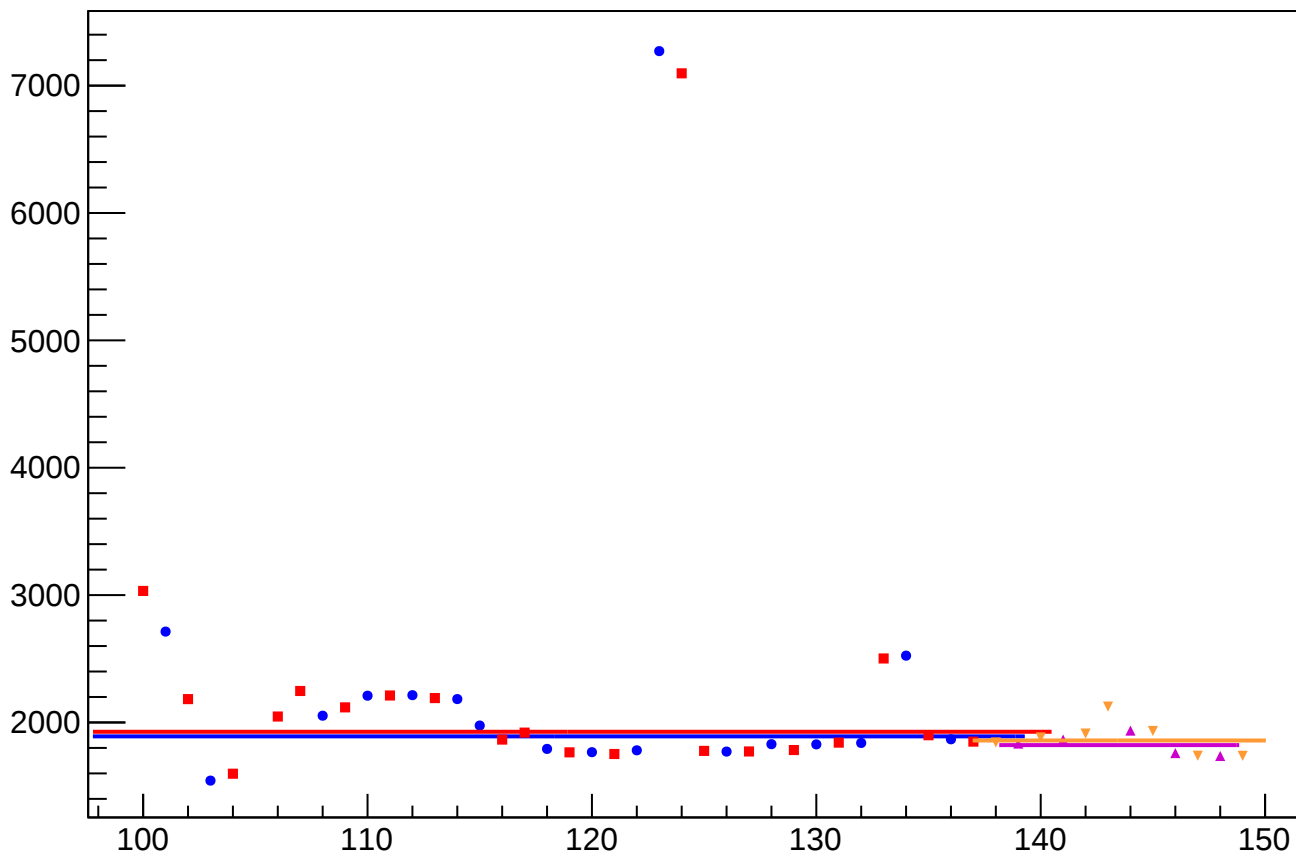
Left In: 2390.241 $\pm$ 907.798 χ^2 /NDF: 1.1/4

1932.980 $\pm$ 555.849 χ^2 /NDF: 21.4/23

1803.777 $\pm$ 398.731 χ^2 /NDF: 40.9/48

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: 1858.443+/-0.592 χ^2/NDF : 38807.6/6

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

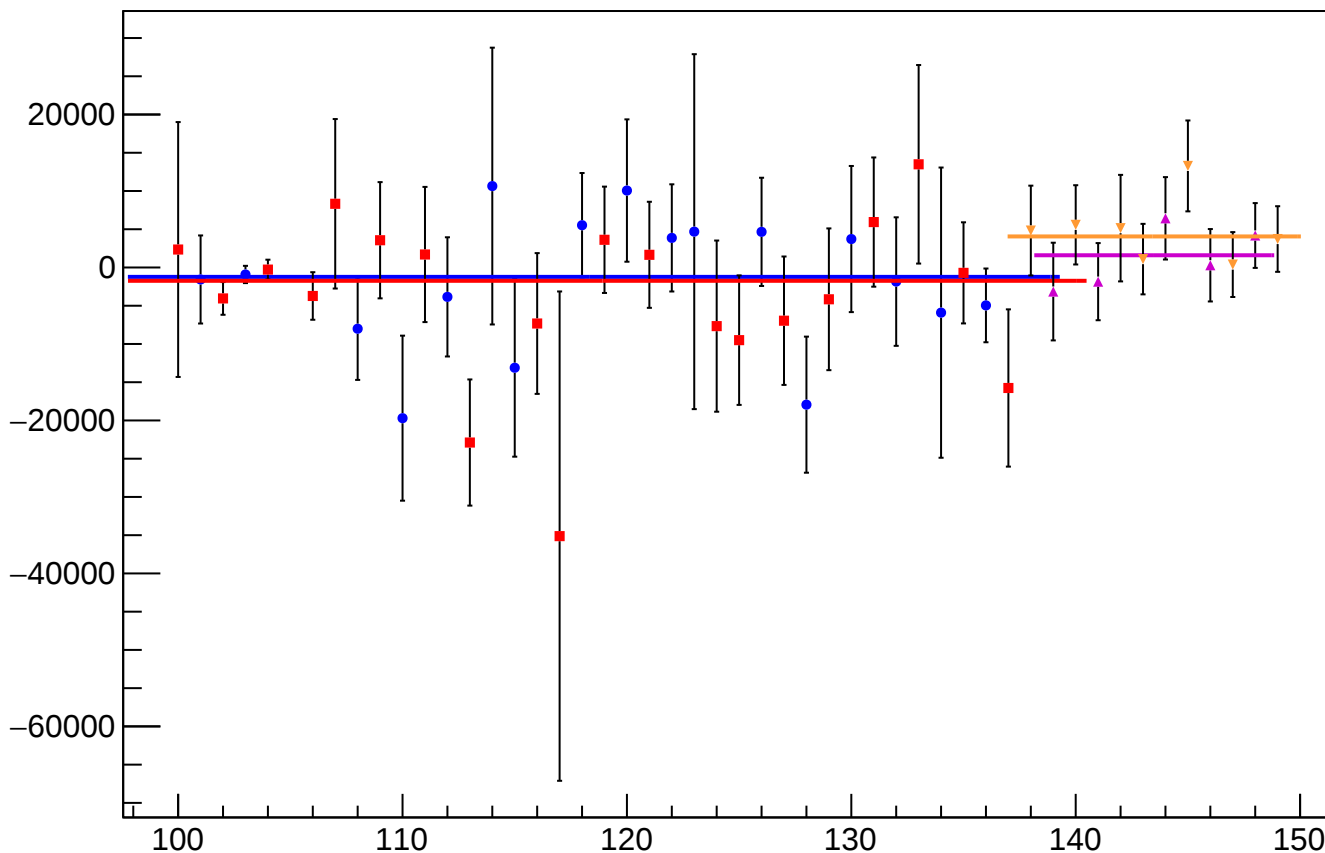
Left In: 1822.189+/-0.642 χ^2/NDF : 12833.2/4

1876.508+/-0.393 χ^2/NDF : 329414.6/23

1880.813+/-0.282 χ^2/NDF : 720806.2/48

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: 4059.531 $\pm$ 1916.653 χ^2 /NDF: 3.7/6

Right Out: -1740.671 $\pm$ 941.173 χ^2 /NDF: 18.9/19

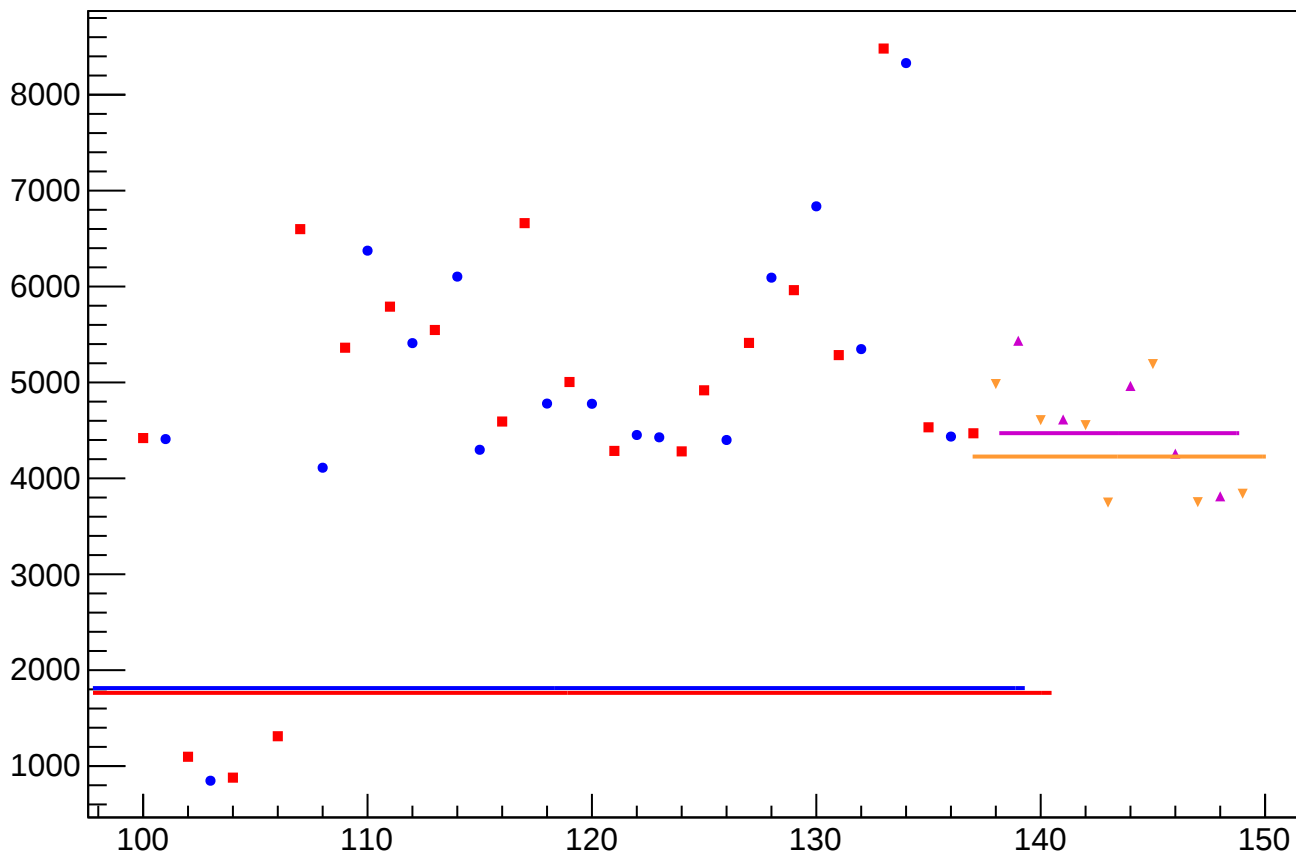
Left In: 1598.416 $\pm$ 2243.713 χ^2 /NDF: 2.3/4

-123.123 $\pm$ 875.800 χ^2 /NDF: 23.5/23

-687.146 $\pm$ 616.475 χ^2 /NDF: 47.4/48

-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: 4227.259+/-1.355 χ^2/NDF :164135.8/6

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

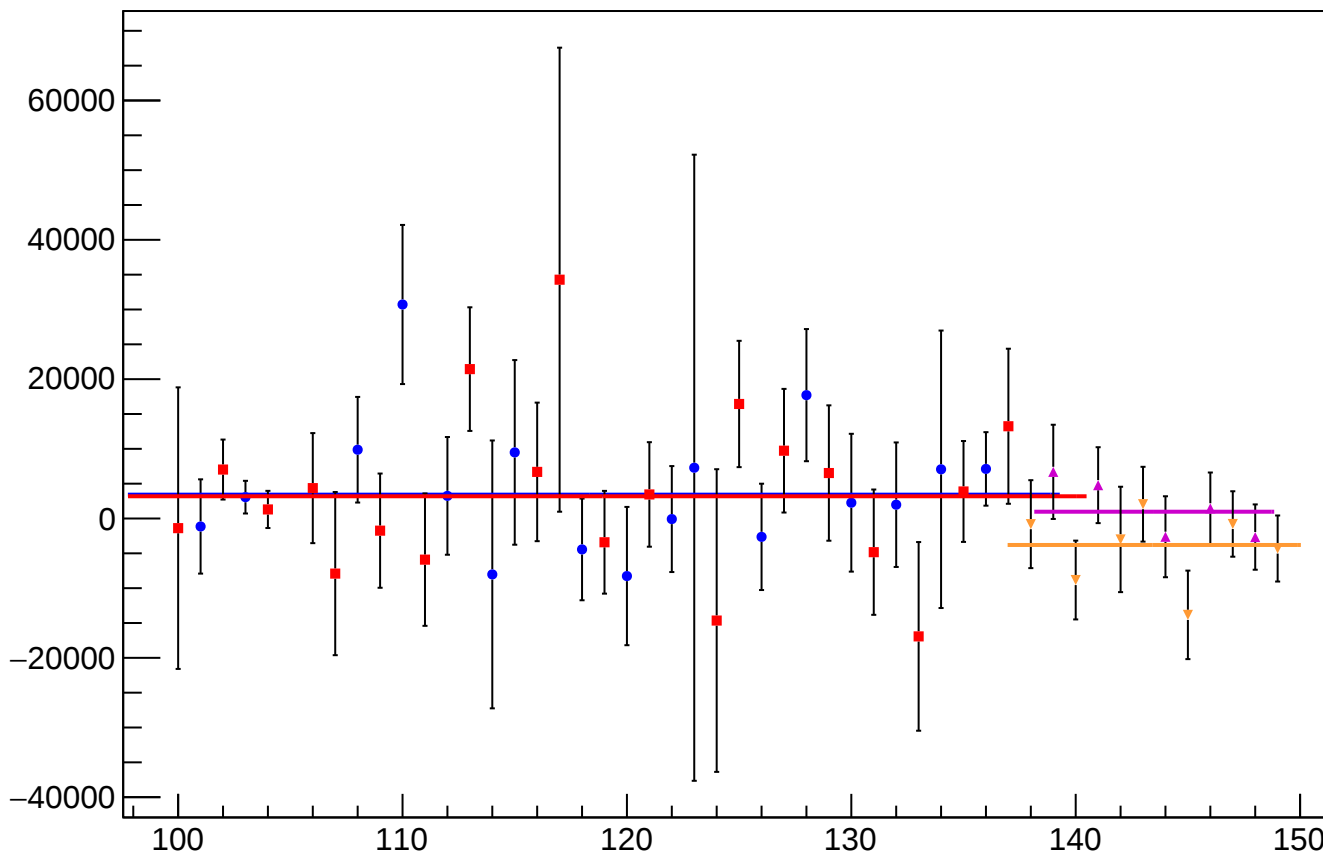
Left In: 4471.112+/-1.587 χ^2/NDF :116227.0/4

2317.243+/-0.619 χ^2/NDF : 9123490.0/23

2242.214+/-0.436 χ^2/NDF : 18105749.2/4

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: -3799.446+/-2116.877 χ^2/NDF : 5.1/6

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

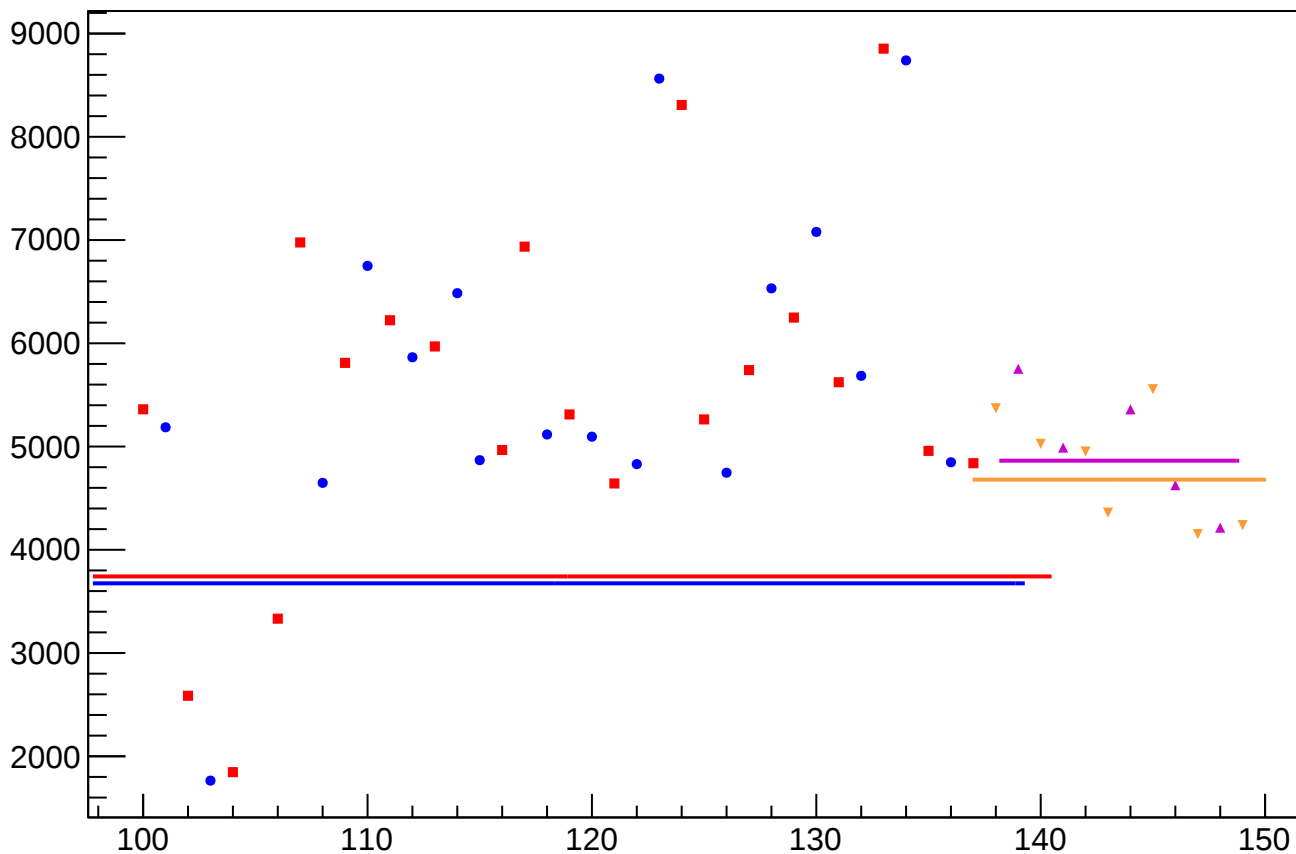
Left In: 973.829+/-2435.978 χ^2/NDF : 2.2/4

782.053+/-1279.802 χ^2/NDF : 26.2/23

1611.211+/-925.407 χ^2/NDF : 46.8/48

2519.798+/-1339.698 χ^2/NDF : 19.6/24

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 4679.604+/-1.497 χ^2/NDF : 121749.7/6

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

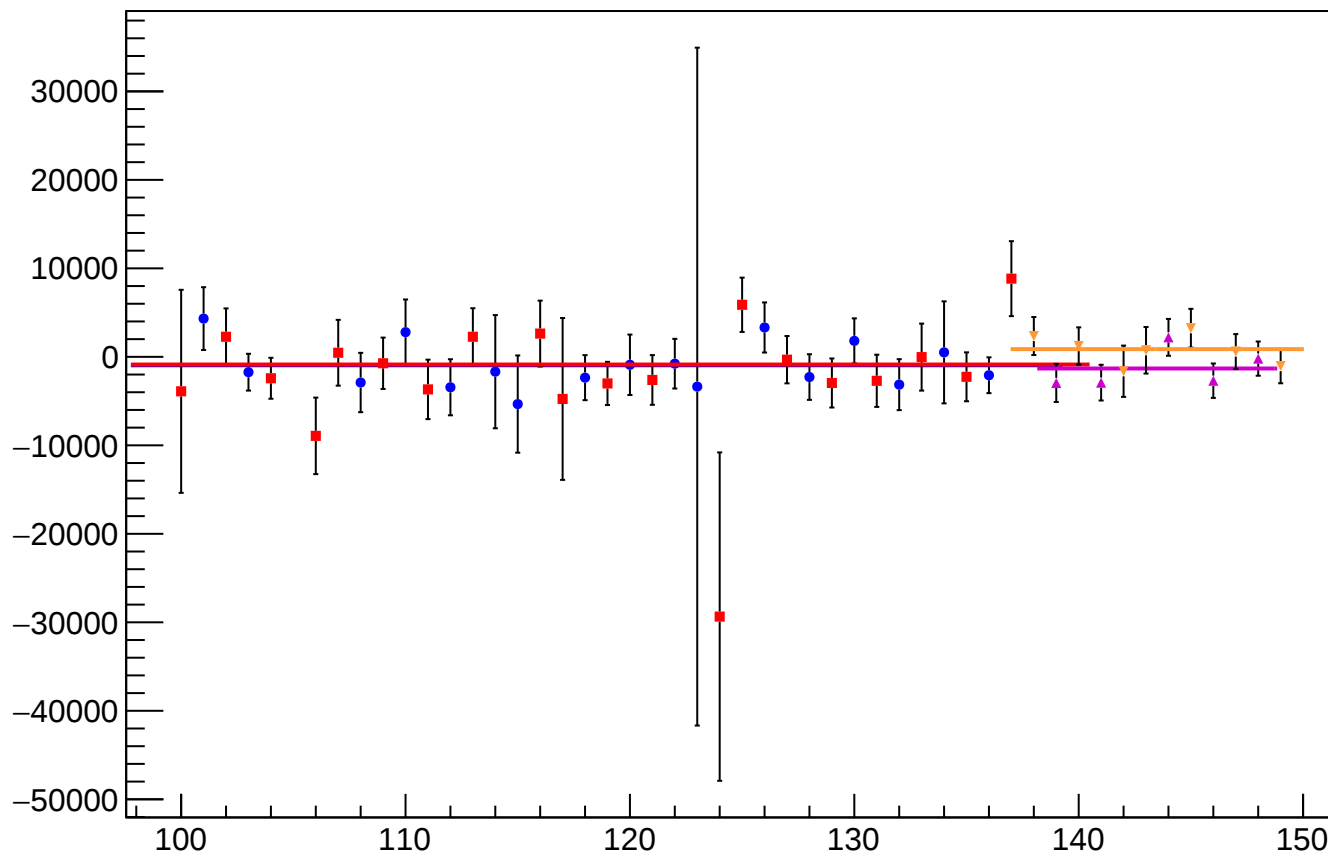
Left In: 4862.853+/-1.722 χ^2/NDF : 92962.4/4

4042.191+/-0.905 χ^2/NDF : 3182630.0/23

4059.343+/-0.653 χ^2/NDF : 6285185.0/48

4077.964+/-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: 871.876 ± 834.162 χ^2/NDF : 3.4/6

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

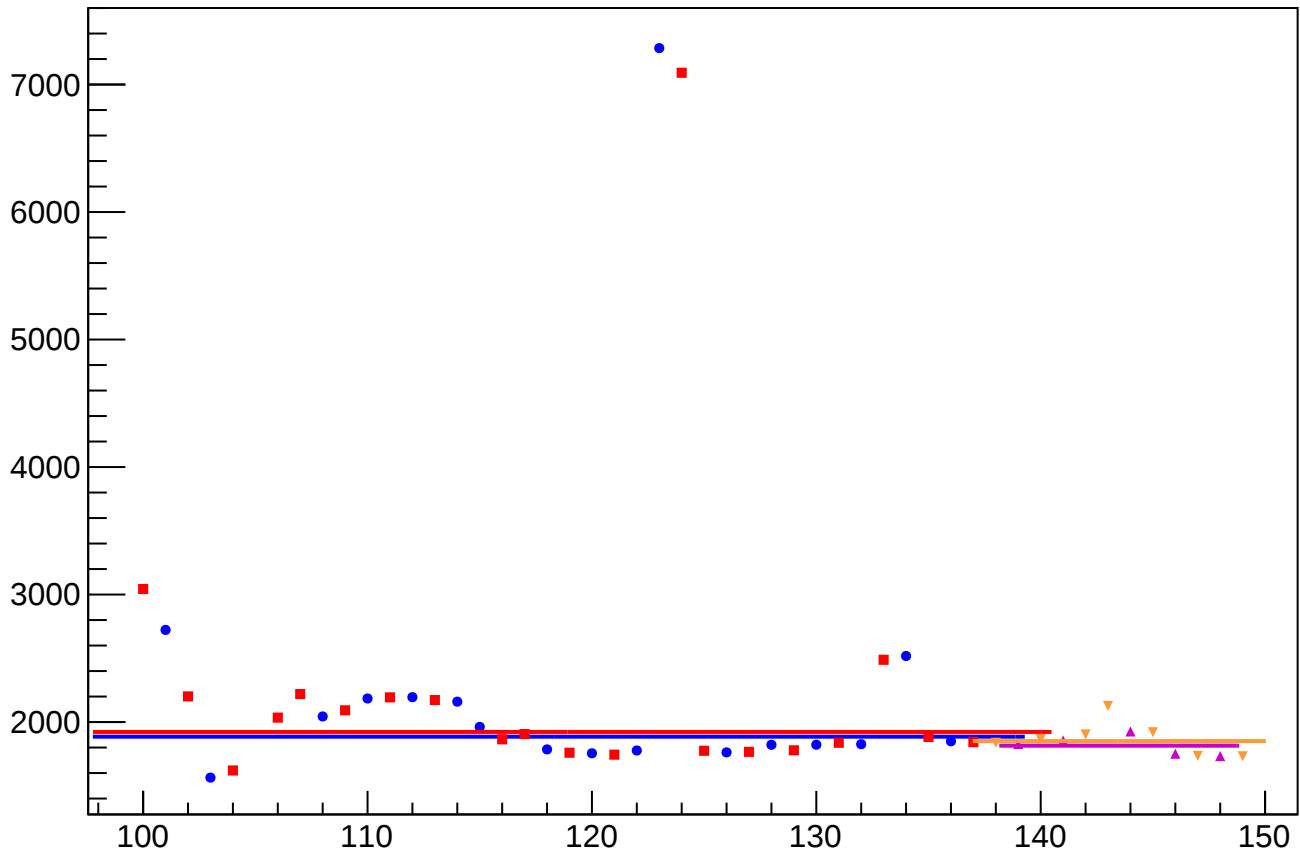
Left In: -1316.905 ± 903.972 χ^2/NDF : 4.9/4

-147.612 ± 553.849 χ^2/NDF : 16.0/23

-584.200 ± 397.335 χ^2/NDF : 45.1/48

-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: 1850.634+/-0.590 χ^2/NDF : 39262.3/6

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

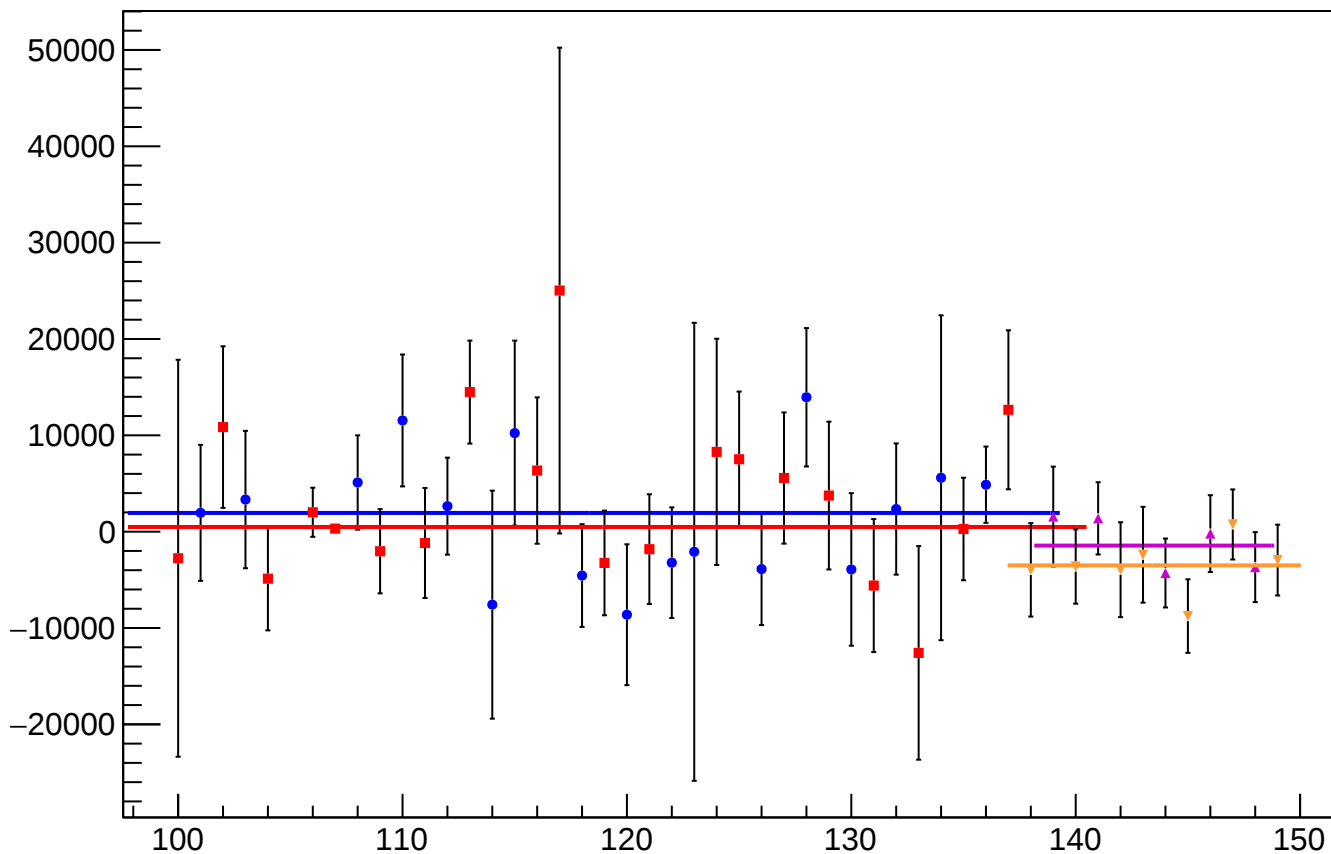
Left In: 1814.593+/-0.639 χ^2/NDF : 12296.2/4

1870.051+/-0.392 χ^2/NDF : 321629.4/23

1874.681+/-0.281 χ^2/NDF : 702884.7/48

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: -3500.685+/-1562.234 χ^2/NDF : 3.4/6

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

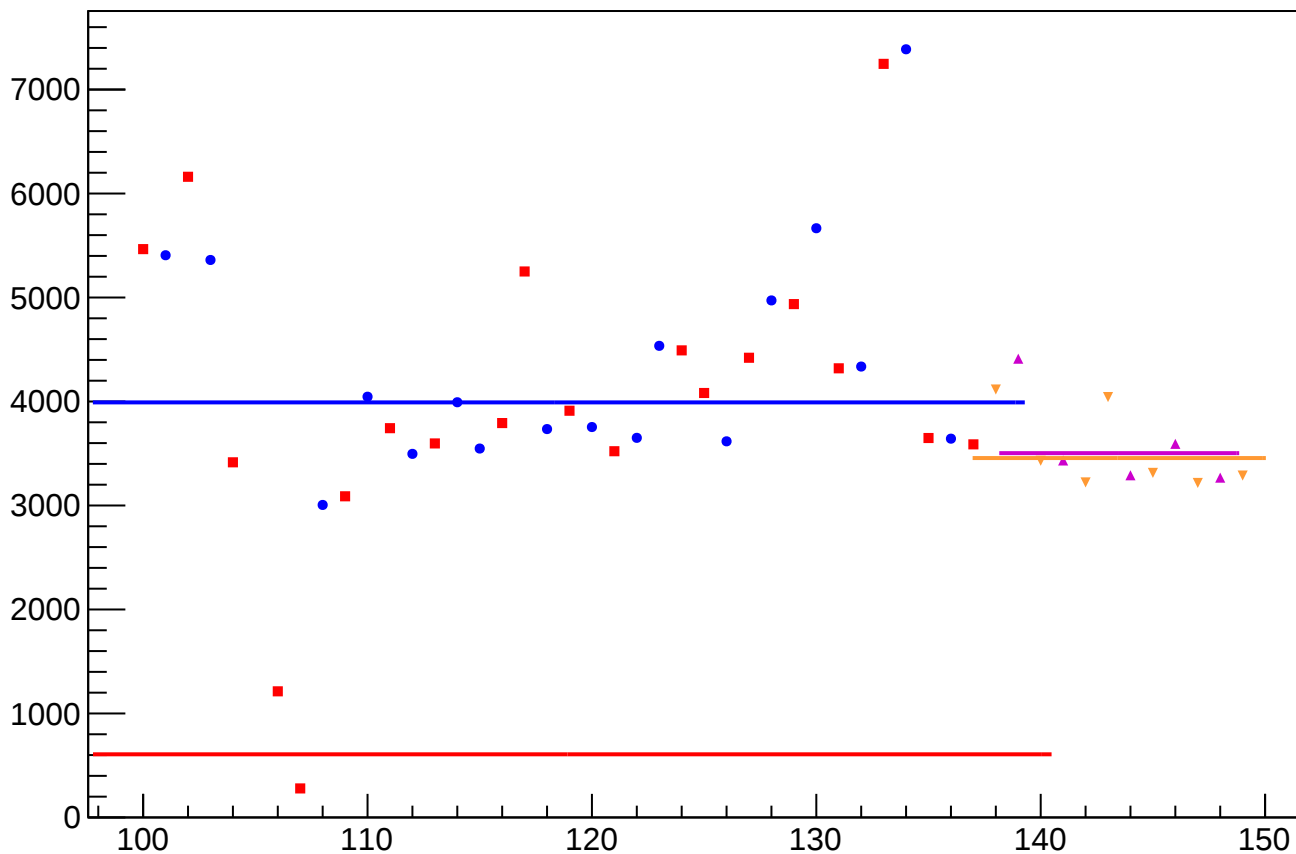
Left In: -1446.343+/-1753.591 χ^2/NDF : 2.0/4

-811.358+/-1111.262 χ^2/NDF : 22.5/23

206.565+/-408.421 χ^2/NDF : 45.7/48

365.536+/-439.156 χ^2/NDF : 22.2/24

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416 ± 1.118 $\chi^2/\text{NDF}: 510782.7/16$

Left Out: 3456.151 ± 1.105 $\chi^2/\text{NDF}: 85046.8/6$

Right Out: 607.234 ± 0.321 $\chi^2/\text{NDF}: 10314440.1/19$

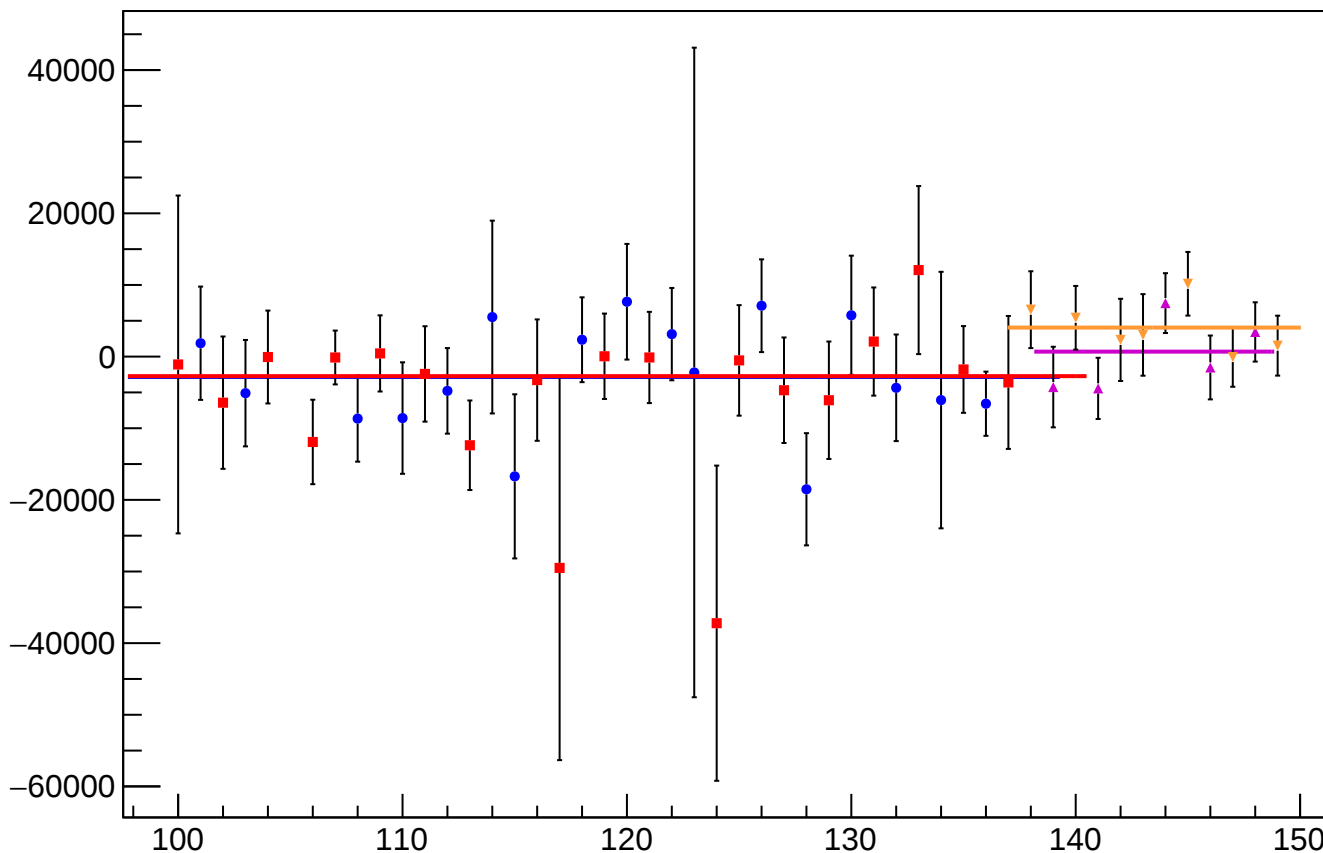
Left In: 3503.340 ± 1.240 $\chi^2/\text{NDF}: 78676.7/4$

3720.578 ± 0.786 $\chi^2/\text{NDF}: 711817.4/23$

1184.875 ± 0.289 $\chi^2/\text{NDF}: 28257612.2/4$

788.868 ± 0.311 $\chi^2/\text{NDF}: 15506084.3/24$

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599 $\pm$ 1786.019 χ^2 /NDF: 15.4/16

Left Out: 4049.695 $\pm$ 1789.260 χ^2 /NDF: 3.7/6

Right Out: -2729.311 $\pm$ 1572.398 χ^2 /NDF: 12.2/19

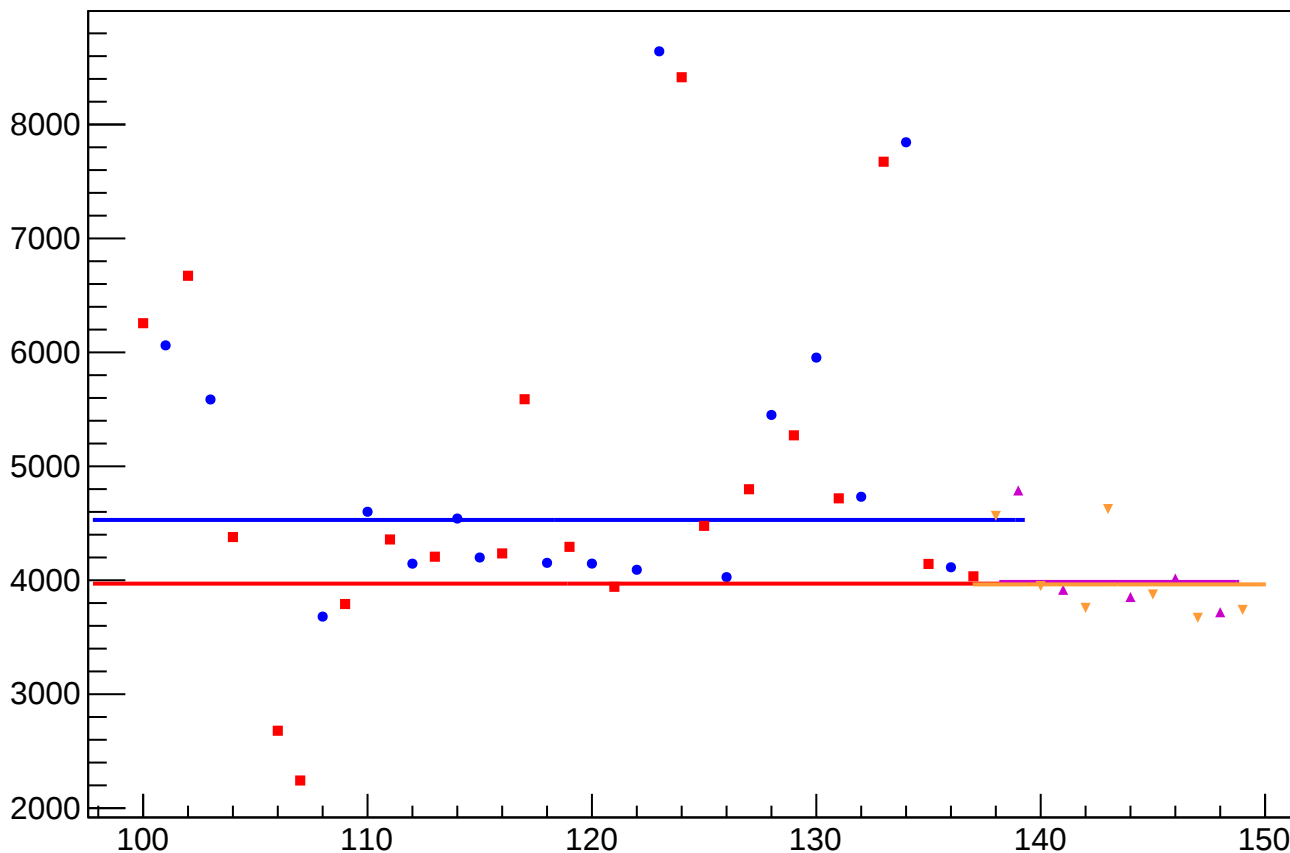
Left In: 691.877 $\pm$ 1990.502 χ^2 /NDF: 5.5/4

598.803 $\pm$ 1264.051 χ^2 /NDF: 26.5/23

-432.298 $\pm$ 882.952 χ^2 /NDF: 47.3/48

-1414.737 $\pm$ 1233.862 χ^2 /NDF: 19.5/24

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 ± 1.263 $\chi^2/\text{NDF}: 389326.2/16$

Left Out: 3963.910 ± 1.265 $\chi^2/\text{NDF}: 71223.3/6$

Right Out: 3970.336 ± 1.105 $\chi^2/\text{NDF}: 1147711.9/19$

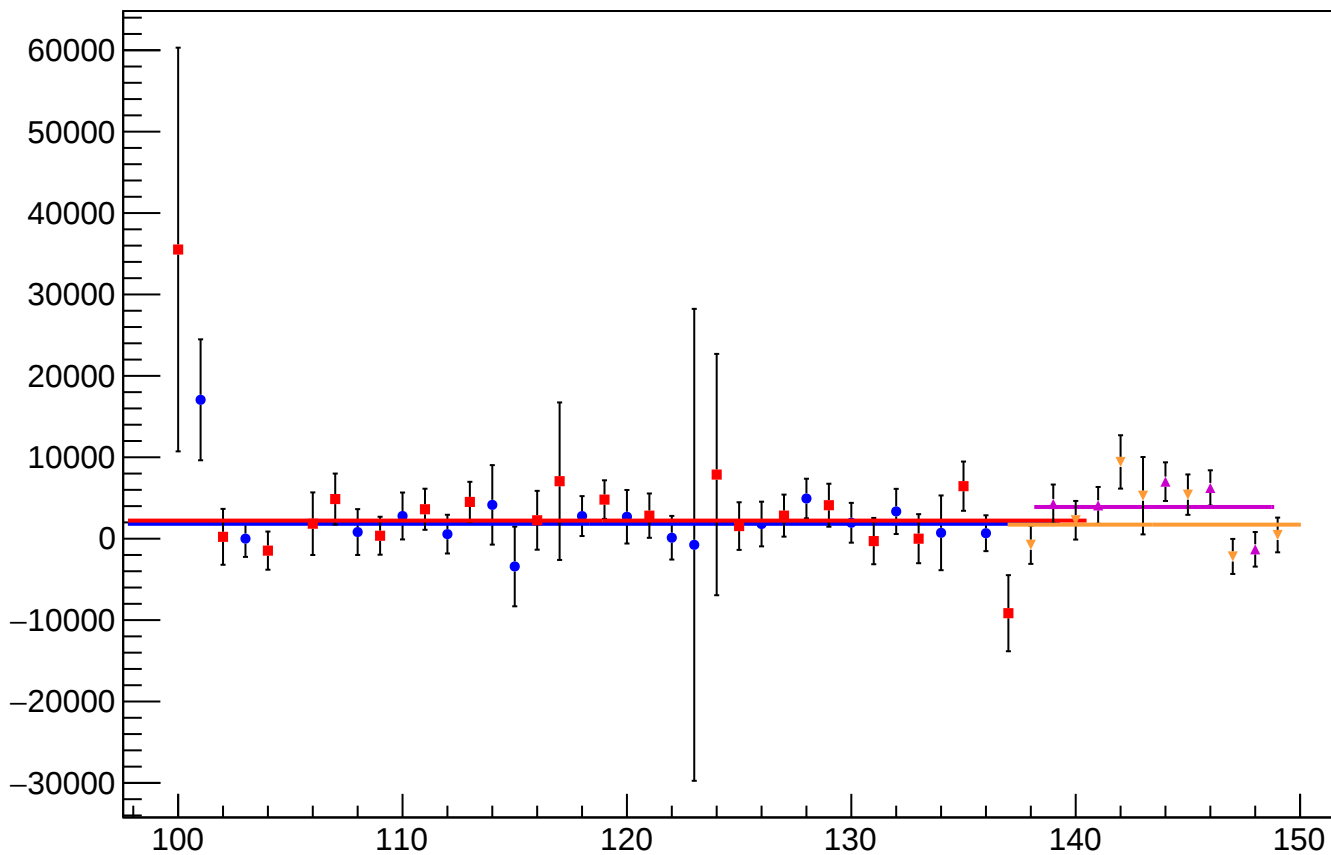
Left In: 3985.443 ± 1.407 $\chi^2/\text{NDF}: 51601.1/4$

4247.199 ± 0.894 $\chi^2/\text{NDF}: 560637.8/23$

4107.837 ± 0.623 $\chi^2/\text{NDF}: 1807313.4/48$

3976.095 ± 0.869 $\chi^2/\text{NDF}: 1199384.3/24$

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 1725.343 $\pm$ 955.983 χ^2 /NDF:13.1/6

Right Out: 2222.274 $\pm$ 682.500 χ^2 /NDF: 18.6/19

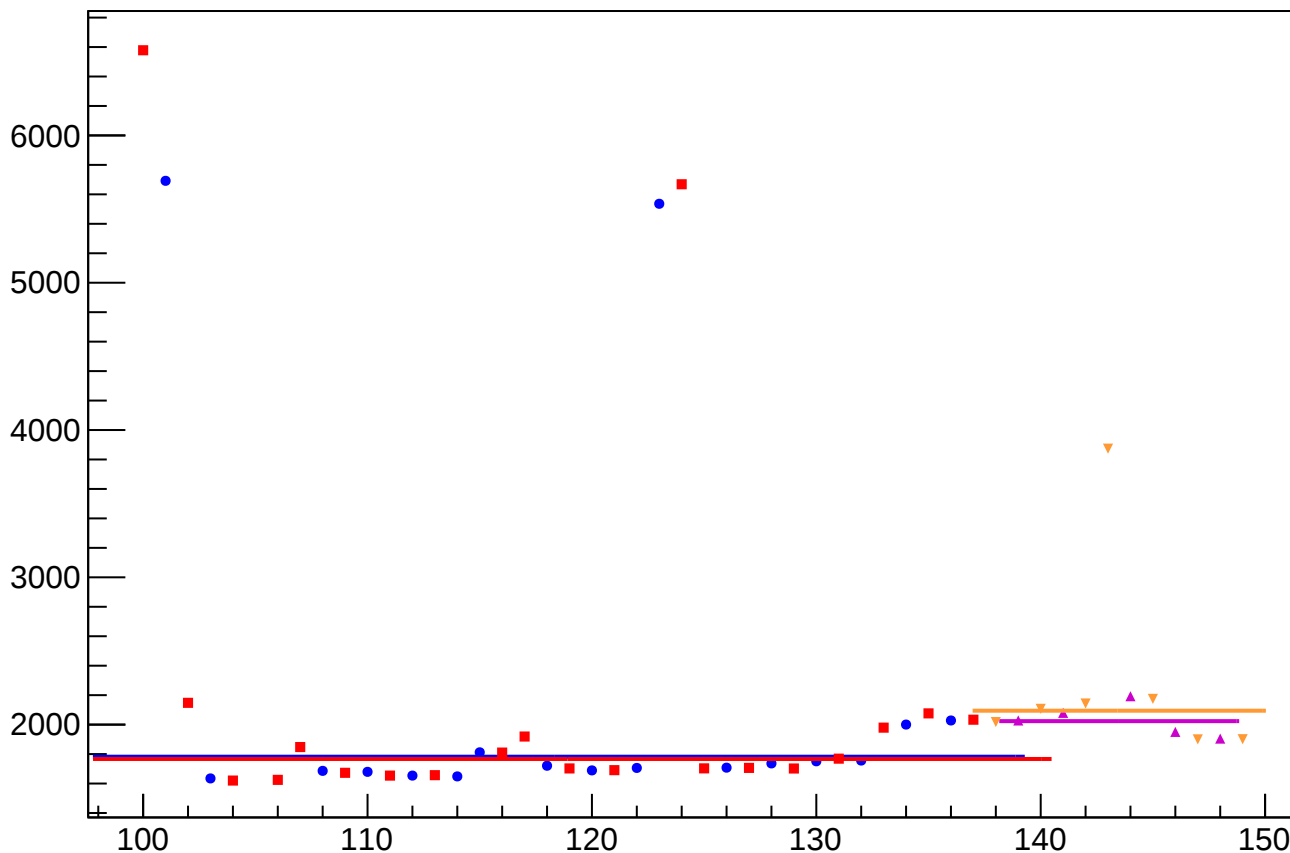
Left In: 3895.431 $\pm$ 1008.827 χ^2 /NDF:8.9/4

1792.770 $\pm$ 570.684 χ^2 /NDF: 22.8/23

2274.729 $\pm$ 401.613 χ^2 /NDF: 53.6/48

2747.618 $\pm$ 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: 2094.492+/-0.676 χ^2/NDF : 317738.9/6

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

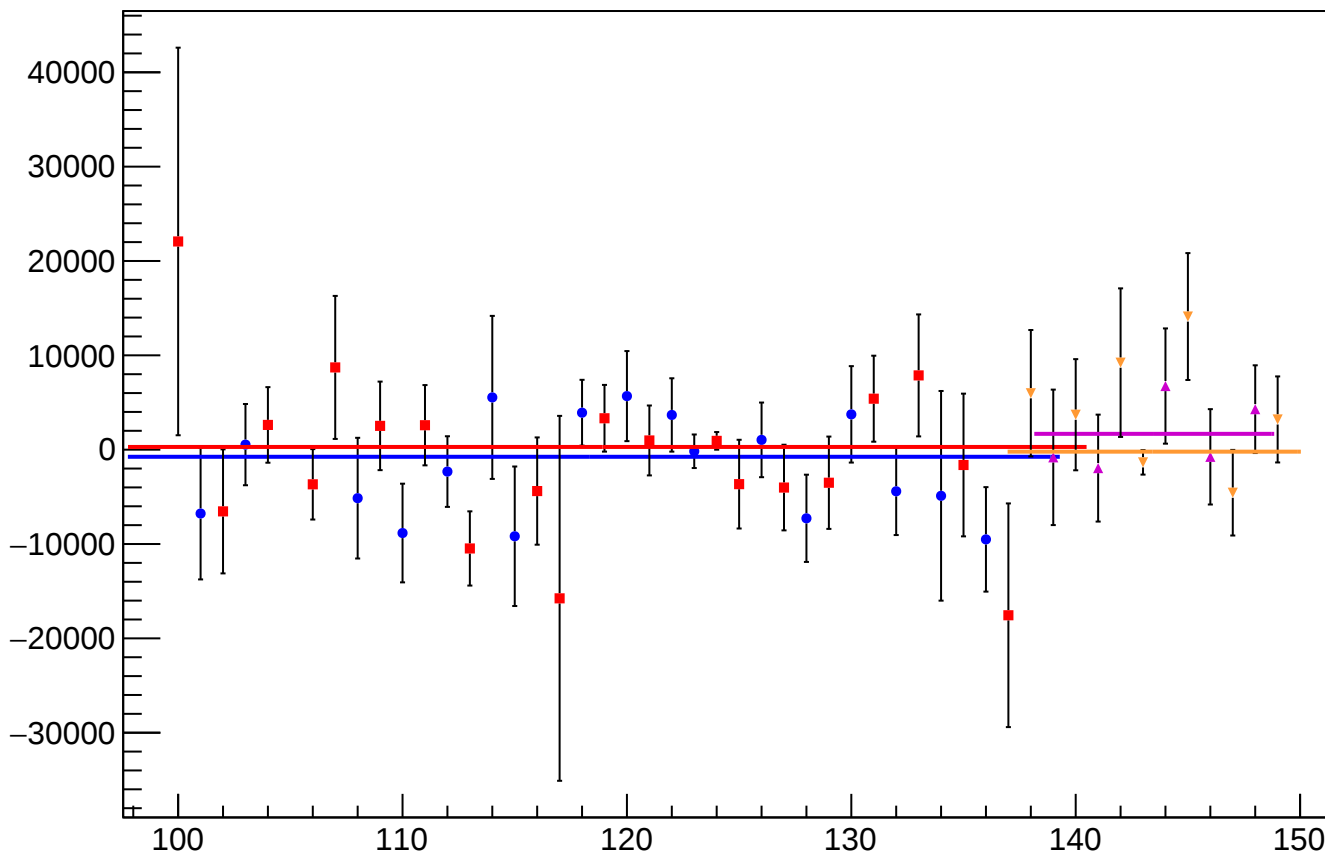
Left In: 2023.632+/-0.713 χ^2/NDF : 19881.9/4

1893.448+/-0.404 χ^2/NDF : 1100353.8/23

1869.707+/-0.283 χ^2/NDF : 1523722.0/48

1846.631+/-0.398 χ^2/NDF : 416542.6/24

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -209.849+/-1133.260 χ^2/NDF : 9.5/6

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

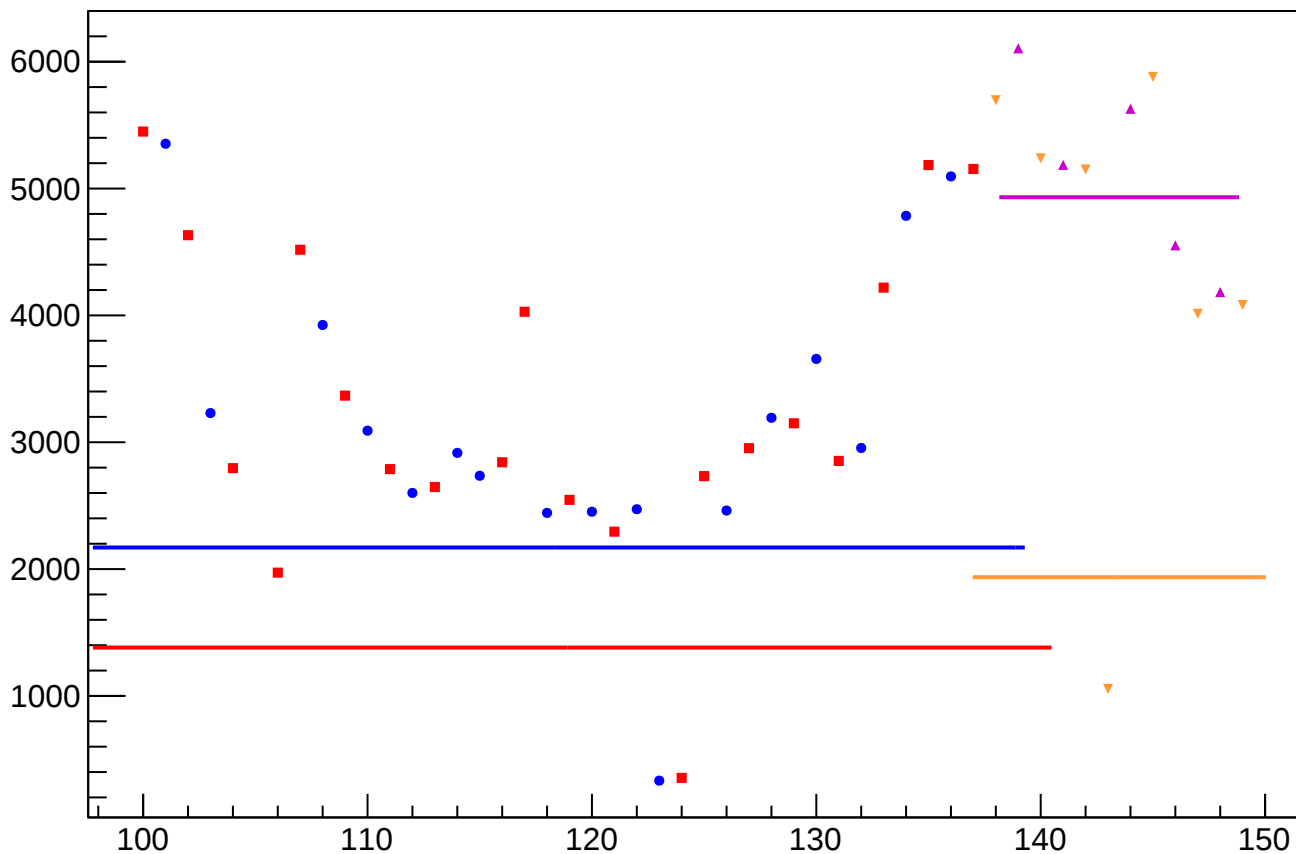
Left In: 1678.079+/-2478.781 χ^2/NDF : 1.8/4

-513.189+/-753.390 χ^2/NDF : 26.6/23

-21.137+/-511.040 χ^2/NDF : 52.1/48

398.220+/-695.513 χ^2/NDF : 24.7/24

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 1936.298 $\pm$ 0.801 χ^2 /NDF: 4060178.5/6

Right Out: 1381.438 $\pm$ 0.512 χ^2 /NDF: 6884822.3/19

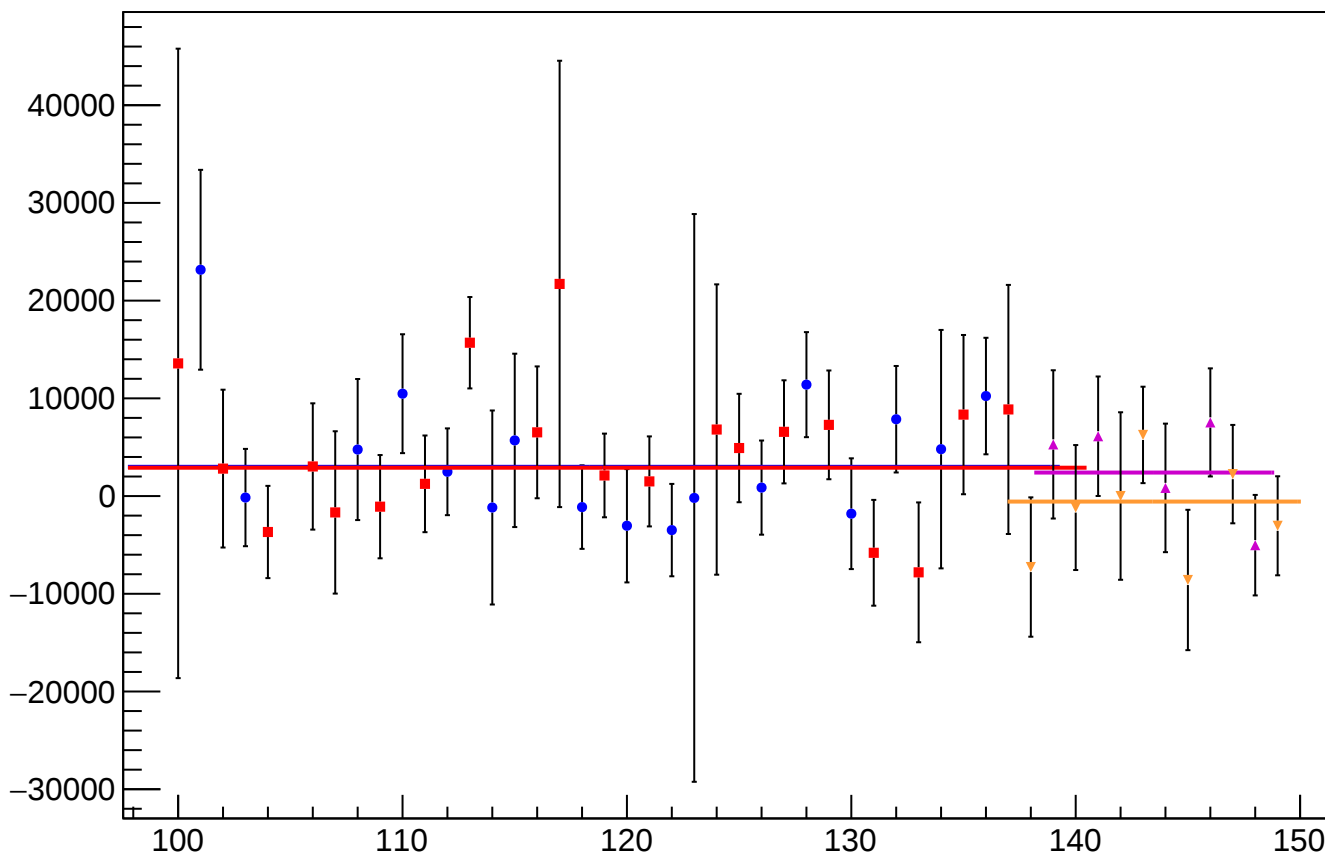
Left In: 4931.706 $\pm$ 1.753 χ^2 /NDF: 146561.3/4

2066.849 $\pm$ 0.533 χ^2 /NDF: 8081466.1/23

1847.710 $\pm$ 0.361 χ^2 /NDF: 19206024.7/4

1660.947 $\pm$ 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: -563.640 $\pm$ 2255.315 χ^2 /NDF: 4.6/6

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

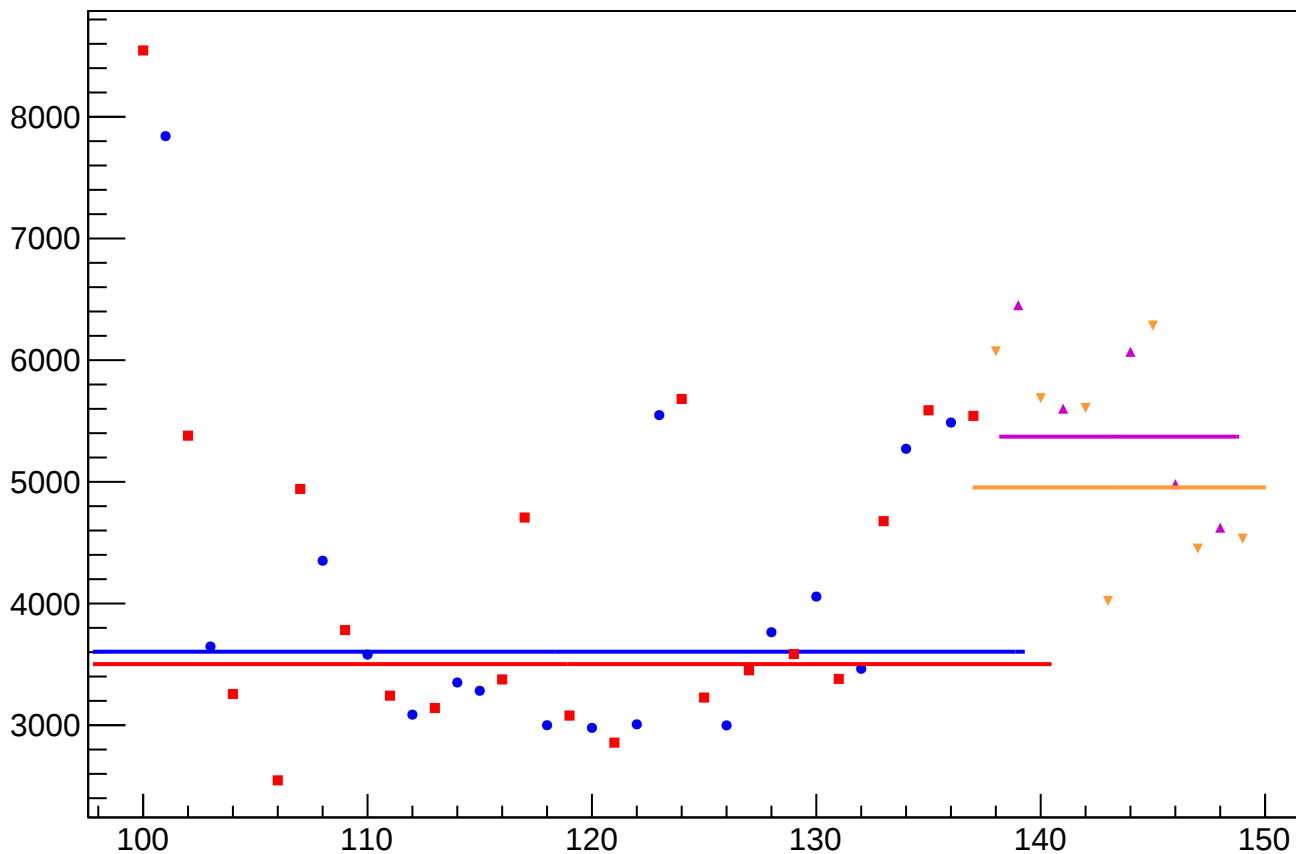
Left In: 2405.248 $\pm$ 2694.400 χ^2 /NDF: 3.5/4

1955.510 $\pm$ 1218.009 χ^2 /NDF: 22.1/23

2374.621 $\pm$ 864.030 χ^2 /NDF: 44.3/48

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: 4954.247 +/- 1.595 χ^2/NDF : 261000.4/6

Right Out: 3501.857 +/- 0.960 χ^2/NDF : 667483.1/19

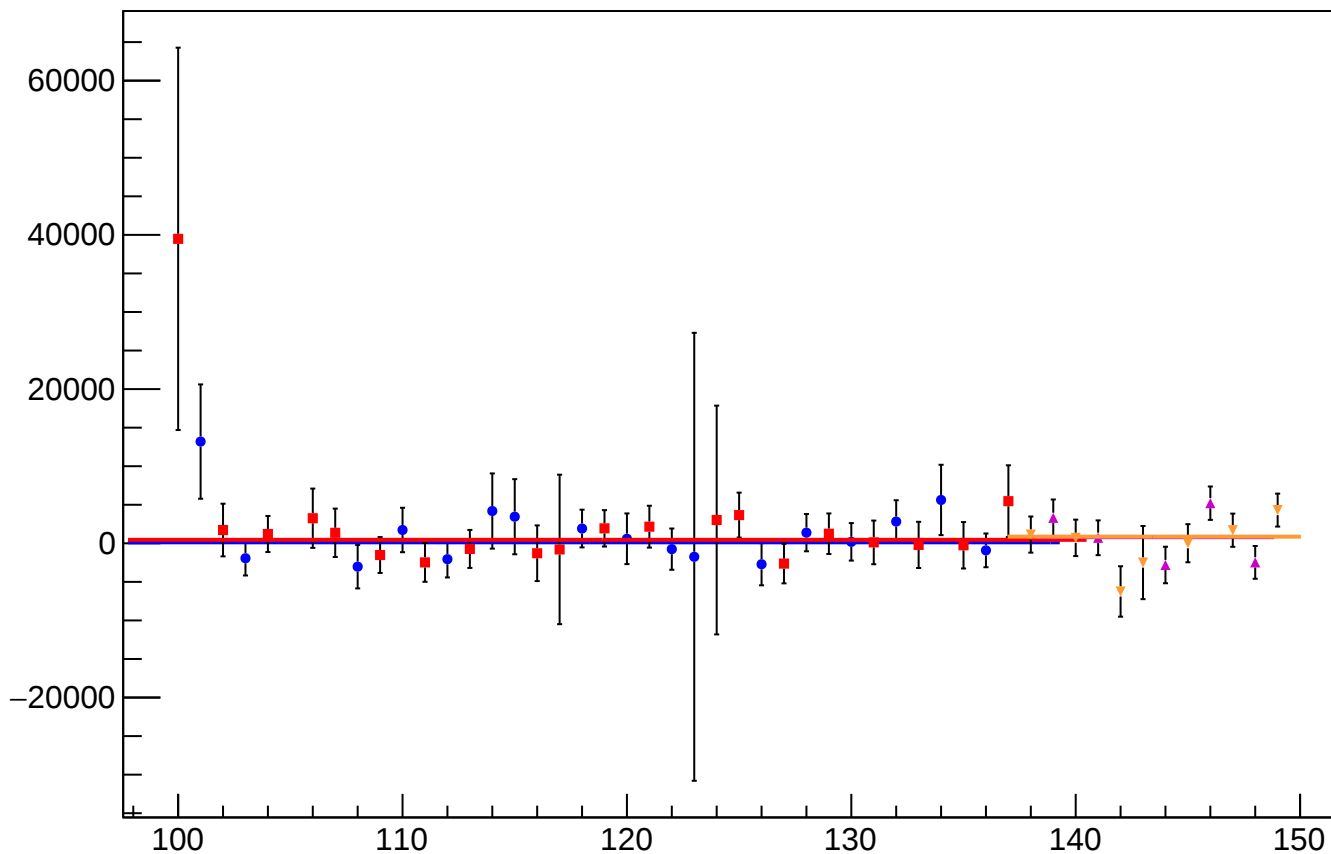
Left In: 5371.457 +/- 1.905 χ^2/NDF : 118161.8/4

3997.769 +/- 0.861 χ^2/NDF : 1553514.4/23

3938.797 +/- 0.608 χ^2/NDF : 3116484.8/48

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: 866.701 $\pm$ 954.222 χ^2 /NDF:8.1/6

Right Out: 452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

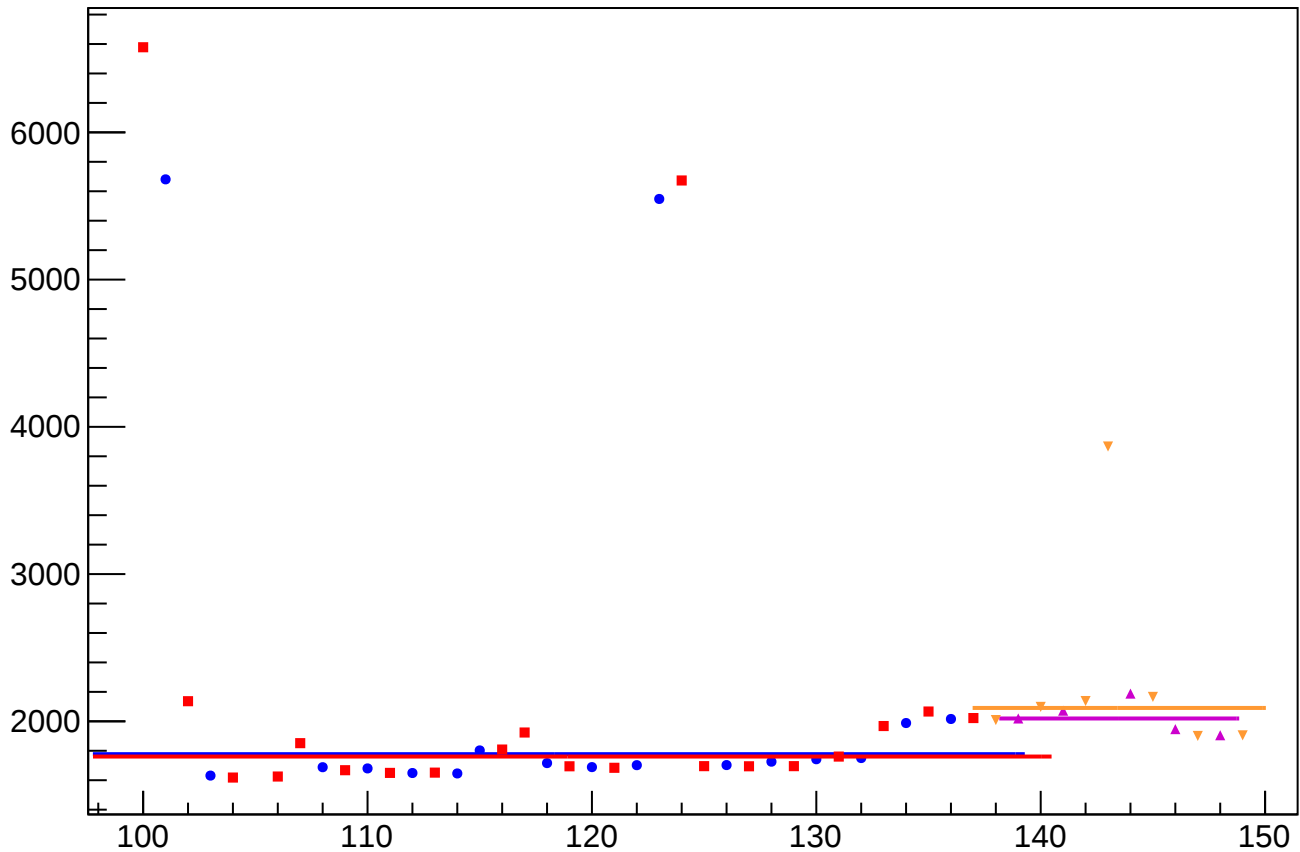
Left In: 799.710 $\pm$ 1006.554 χ^2 /NDF:10.0/4

392.731 $\pm$ 569.210 χ^2 /NDF: 20.7/23

478.007 $\pm$ 400.479 χ^2 /NDF: 41.5/48

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: 2090.865+/-0.675 χ^2/NDF : 315620.7/6

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

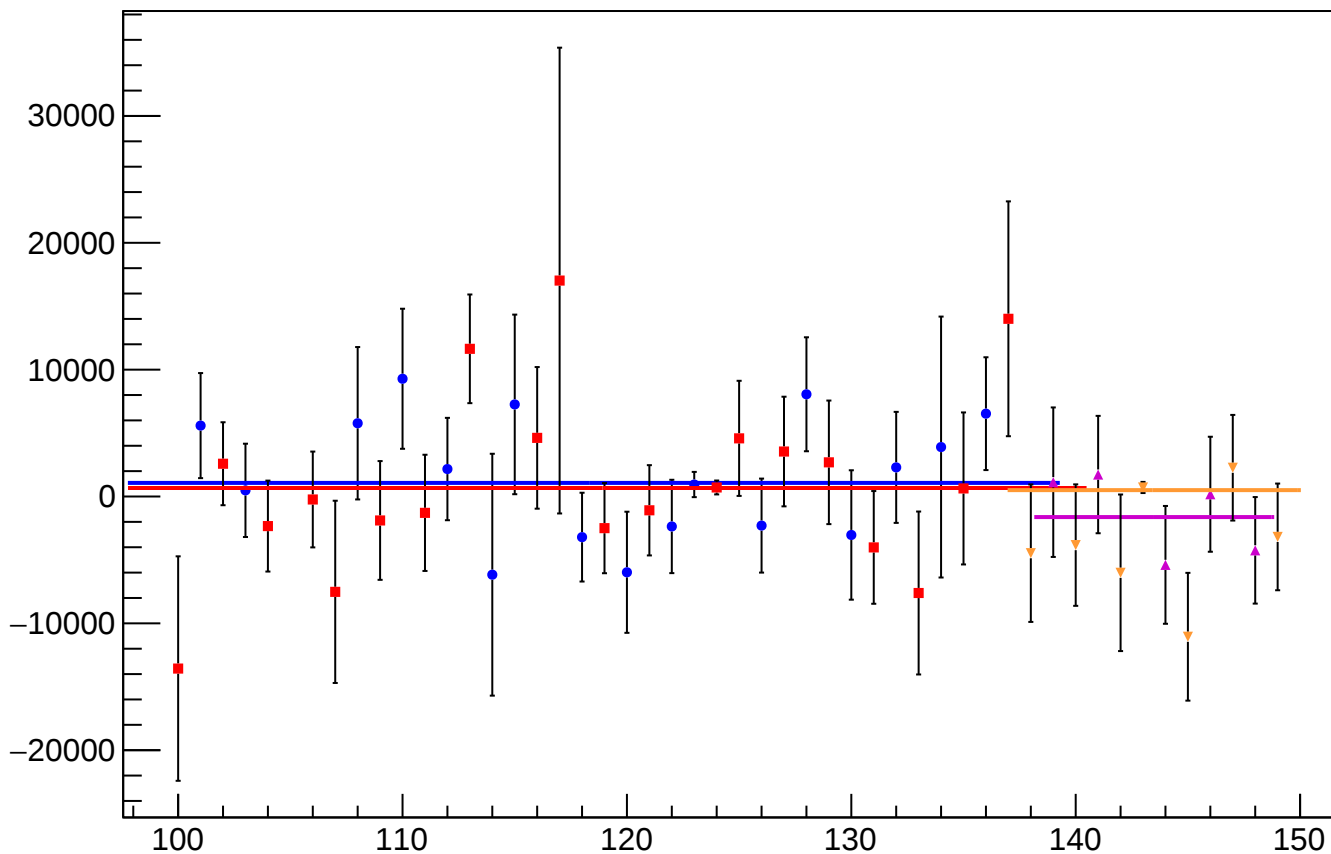
Left In: 2019.234+/-0.712 χ^2/NDF : 19263.0/4

1888.605+/-0.402 χ^2/NDF : 1098690.1/23

1864.480+/-0.283 χ^2/NDF : 1522666.2/48

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: 501.840+/-428.406 χ^2/NDF : 9.2/6

Right Out: 670.313+/-487.861 χ^2/NDF : 20.6/19

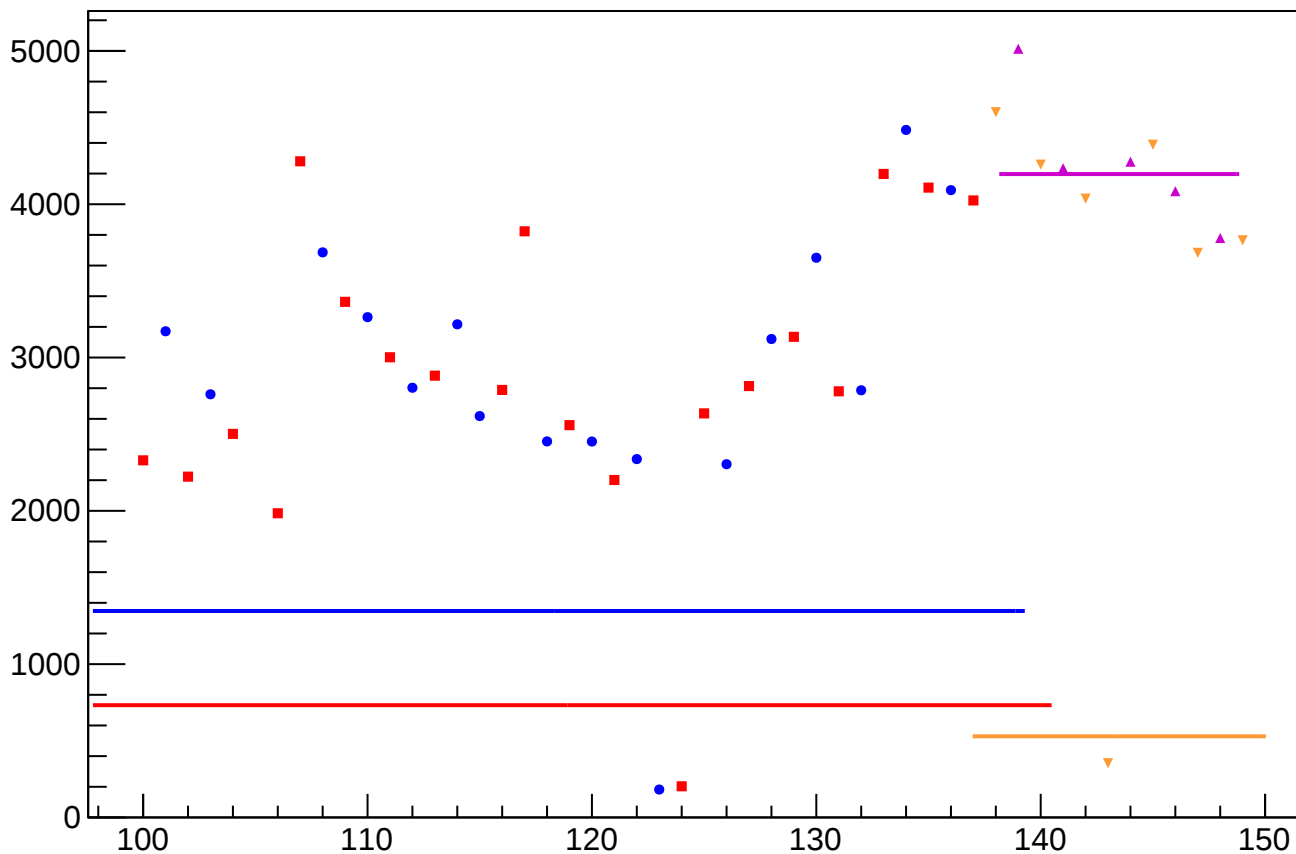
Left In: -1621.635+/-2097.818 χ^2/NDF : 1.9/4

641.512+/-372.273 χ^2/NDF : 25.2/23

607.741+/-293.050 χ^2/NDF : 48.9/48

552.718+/-475.181 χ^2/NDF : 23.7/24

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 529.297 $\pm$ 0.303 χ^2 /NDF: 6812226.6/6

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

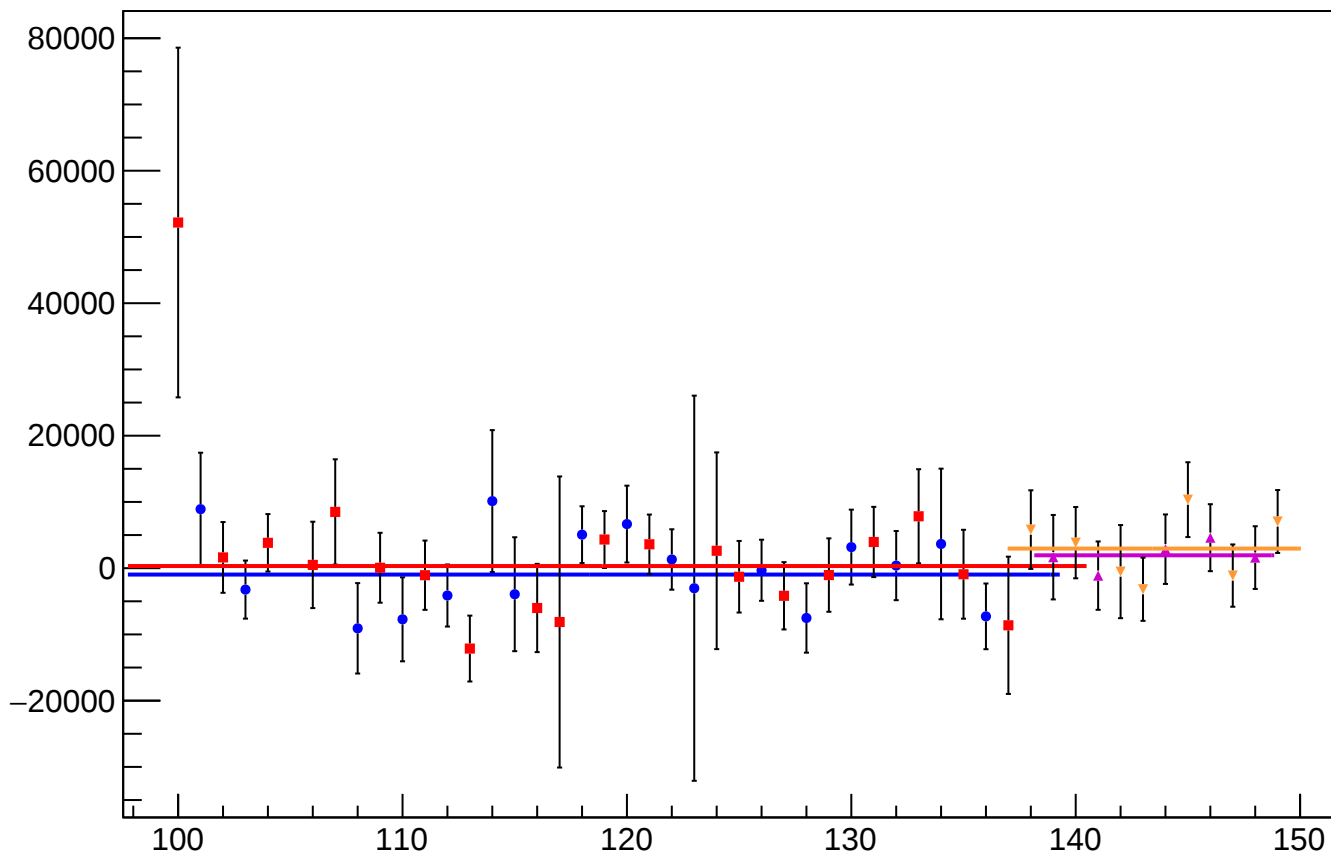
Left In: 4196.755 $\pm$ 1.483 χ^2 /NDF: 60151.9/4

729.501 $\pm$ 0.263 χ^2 /NDF: 15434950.7/23

798.172 $\pm$ 0.207 χ^2 /NDF: 30408631.9/48

910.056 $\pm$ 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: 2958.980+/-2007.604 χ^2/NDF : 5.4/6

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

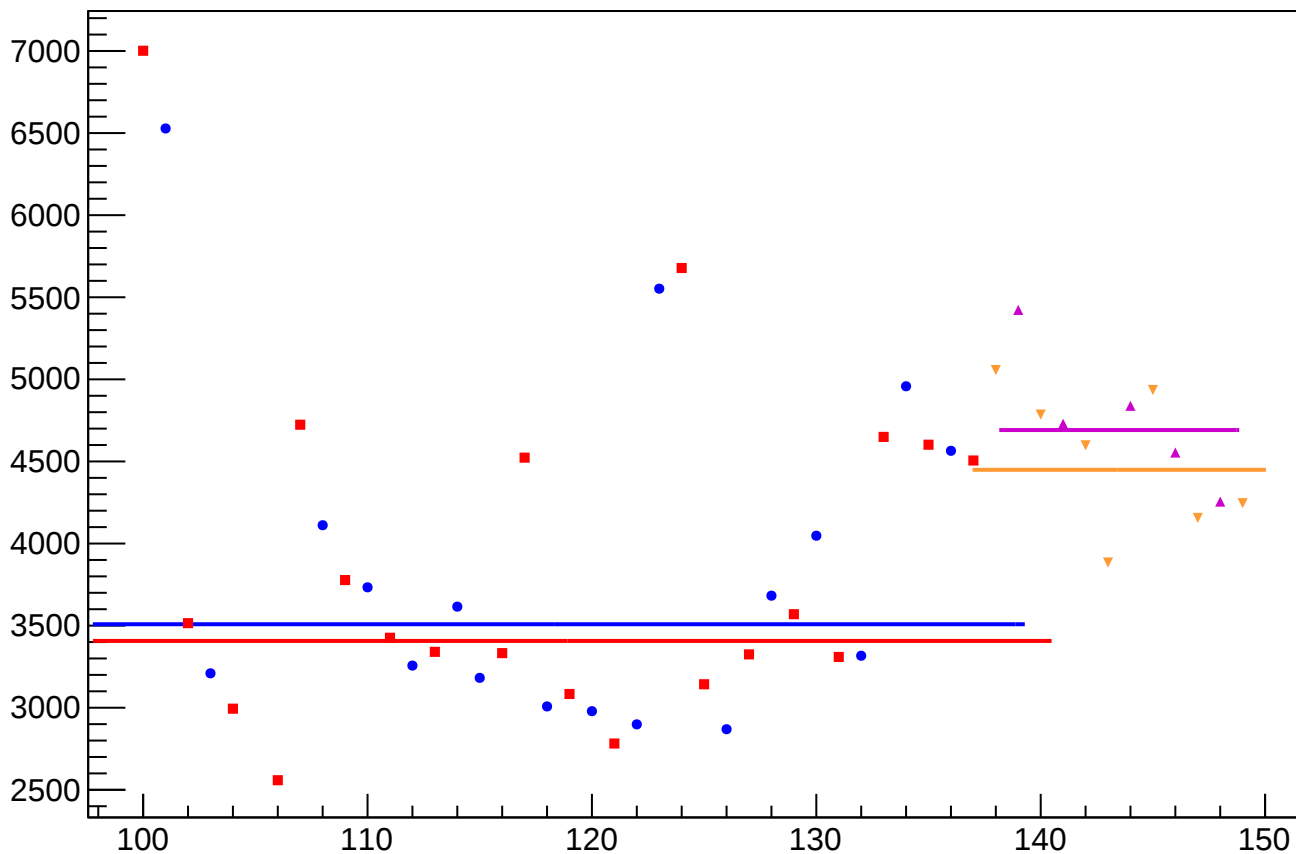
Left In: 1943.891+/-2342.228 χ^2/NDF : 0.7/4

314.044+/-1145.935 χ^2/NDF : 21.7/23

514.235+/-813.412 χ^2/NDF : 40.5/48

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: 4449.091+/-1.420 χ^2/NDF : 83964.3/6

Right Out: 3406.868+/-0.926 χ^2/NDF : 433737.9/19

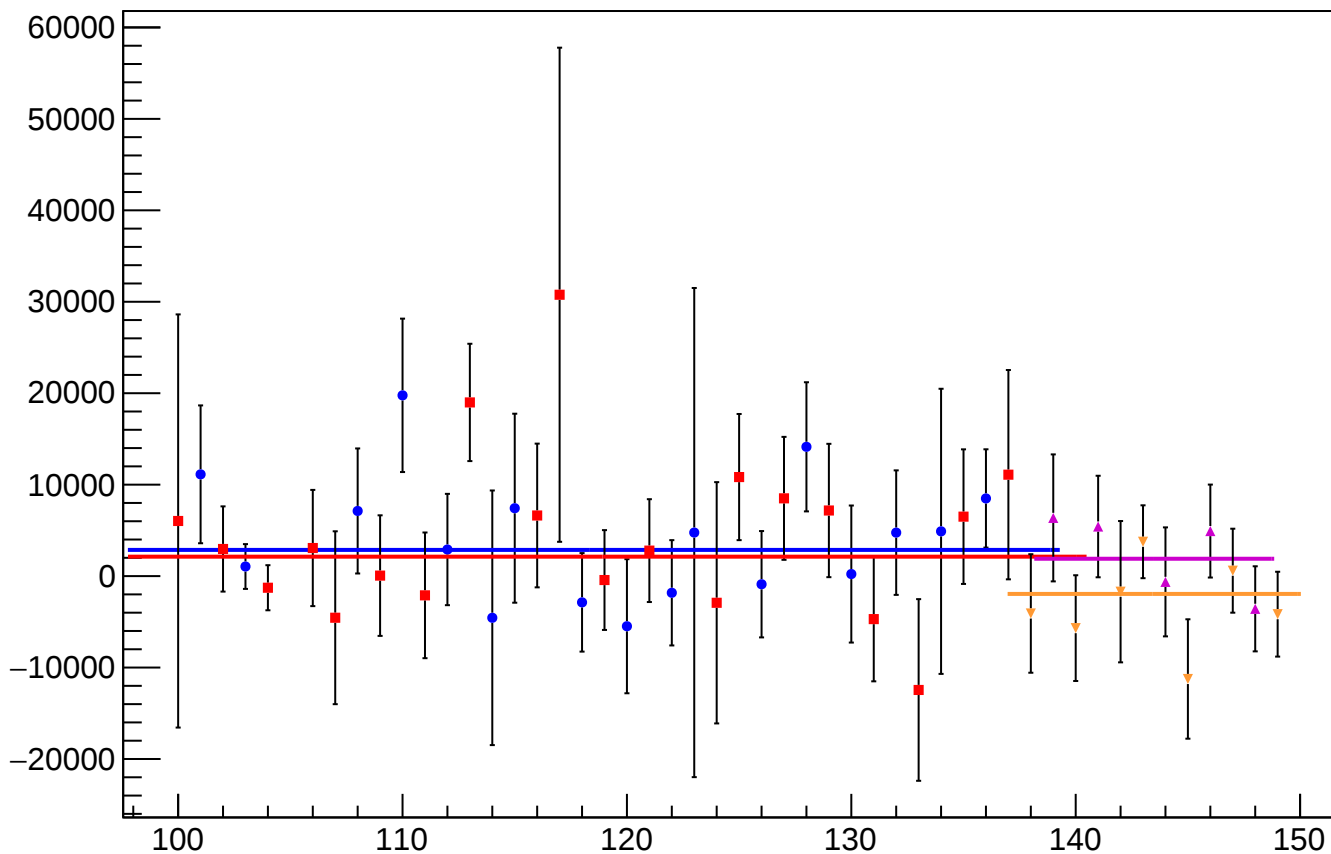
Left In: 4691.322+/-1.656 χ^2/NDF : 46465.7/4

3814.940+/-0.810 χ^2/NDF : 942150.5/23

3763.860+/-0.572 χ^2/NDF : 1888397.9/48

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: -1948.189 $\pm$ 1996.780 χ^2 /NDF: 5.1/6

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

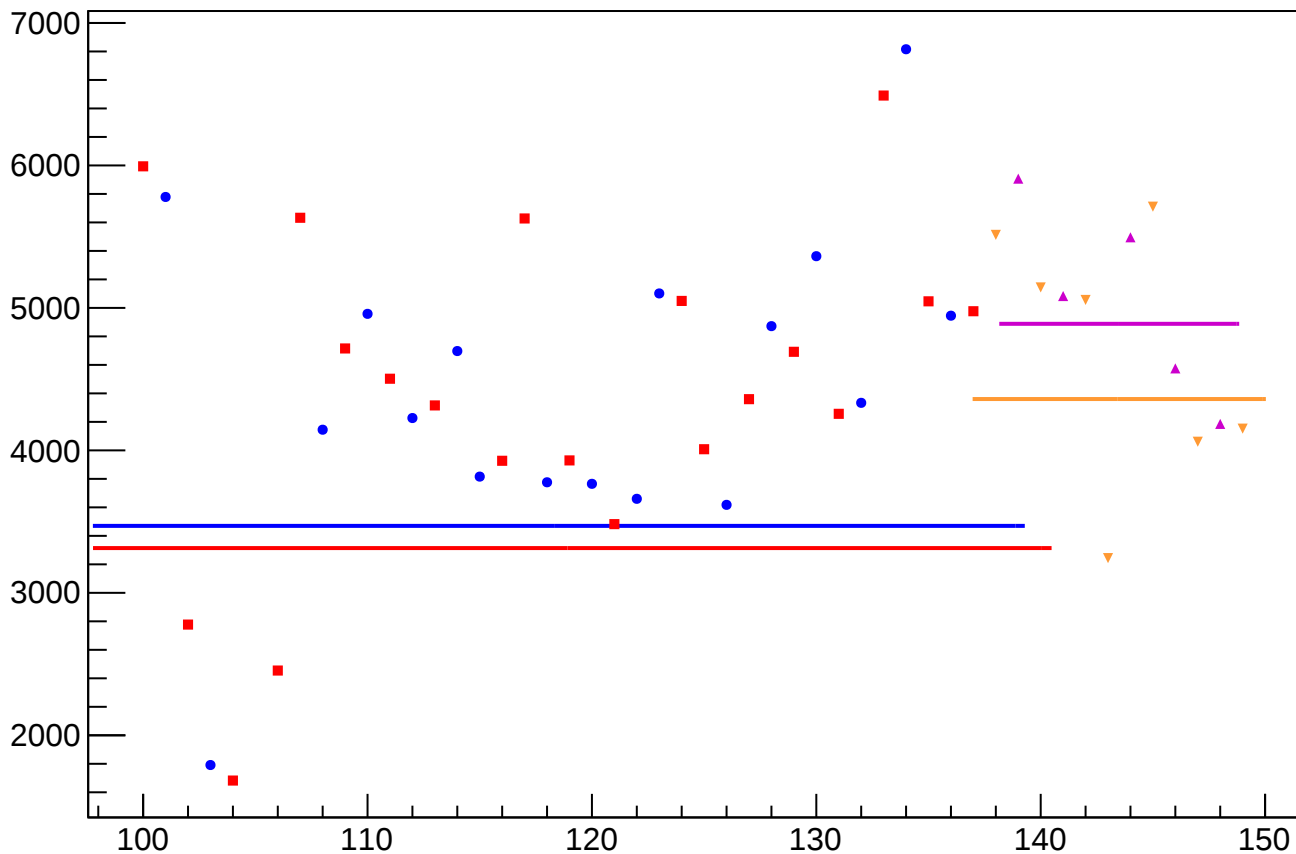
Left In: 1898.107 $\pm$ 2452.458 χ^2 /NDF: 2.7/4

1199.065 $\pm$ 1174.690 χ^2 /NDF: 23.0/23

1624.966 $\pm$ 840.298 χ^2 /NDF: 44.8/48

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+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 4360.320+/-1.412 χ^2/NDF : 371279.5/6

Right Out: 3314.183+/-0.967 χ^2/NDF : 1925484.9/19

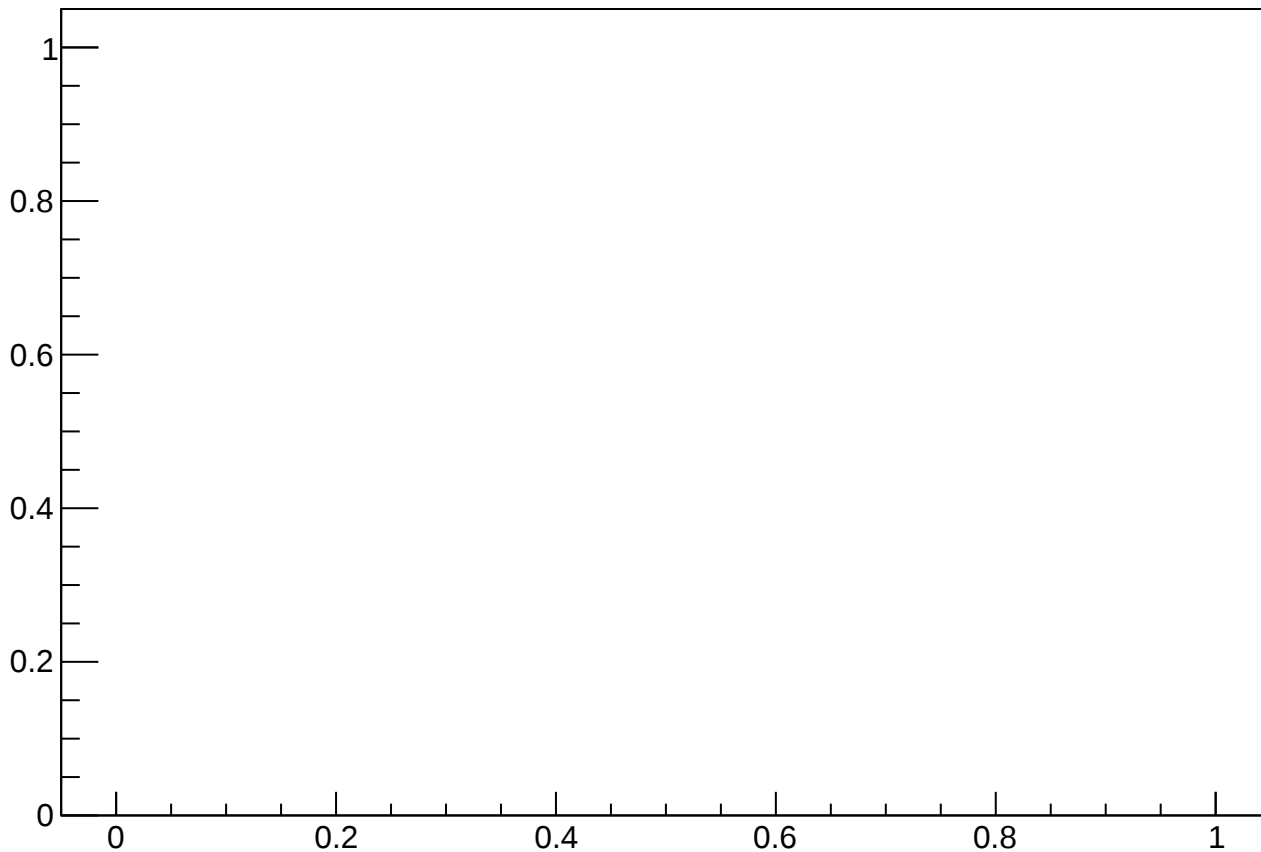
Left In: 4888.329+/-1.734 χ^2/NDF : 119484.3/4

3778.147+/-0.831 χ^2/NDF : 2392124.9/23

3733.526+/-0.592 χ^2/NDF : 5071578.1/48

3687.411+/-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

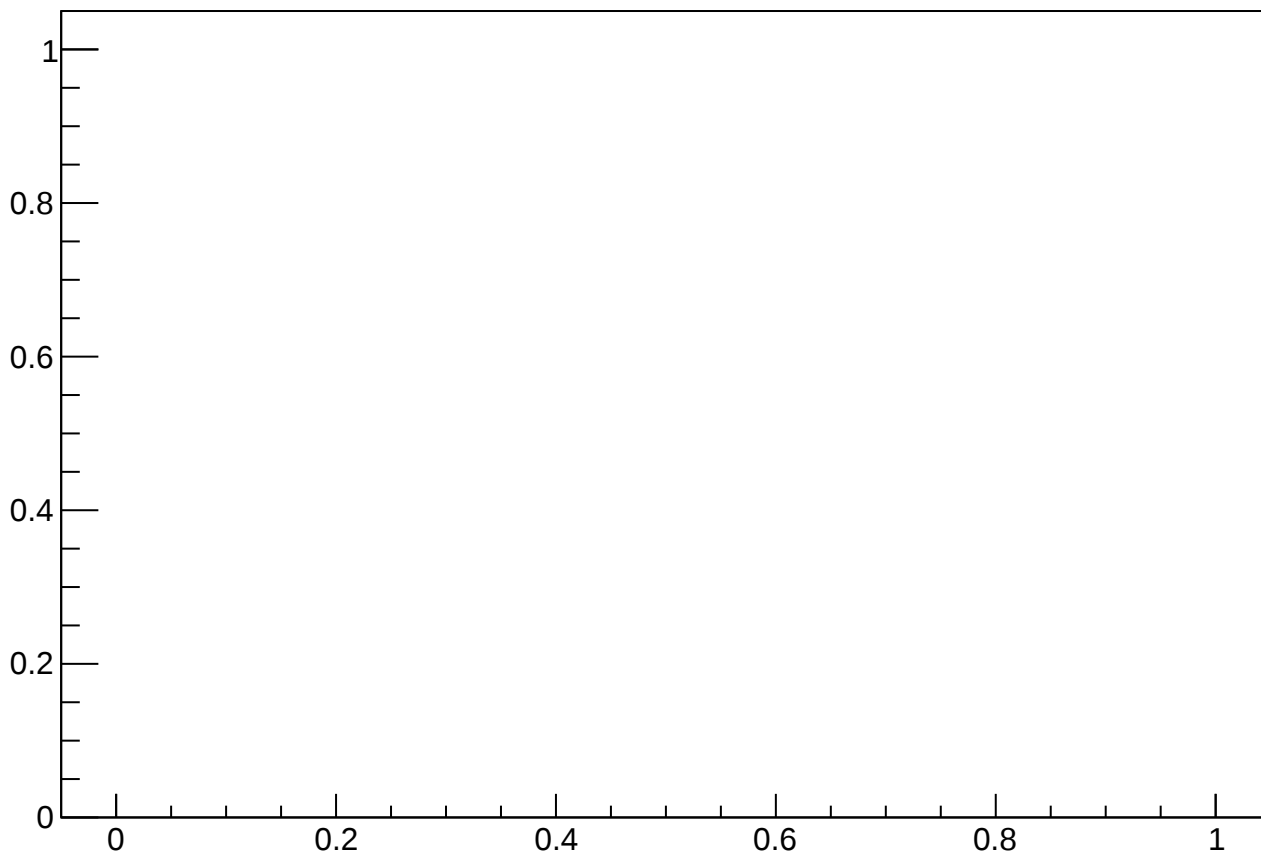
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

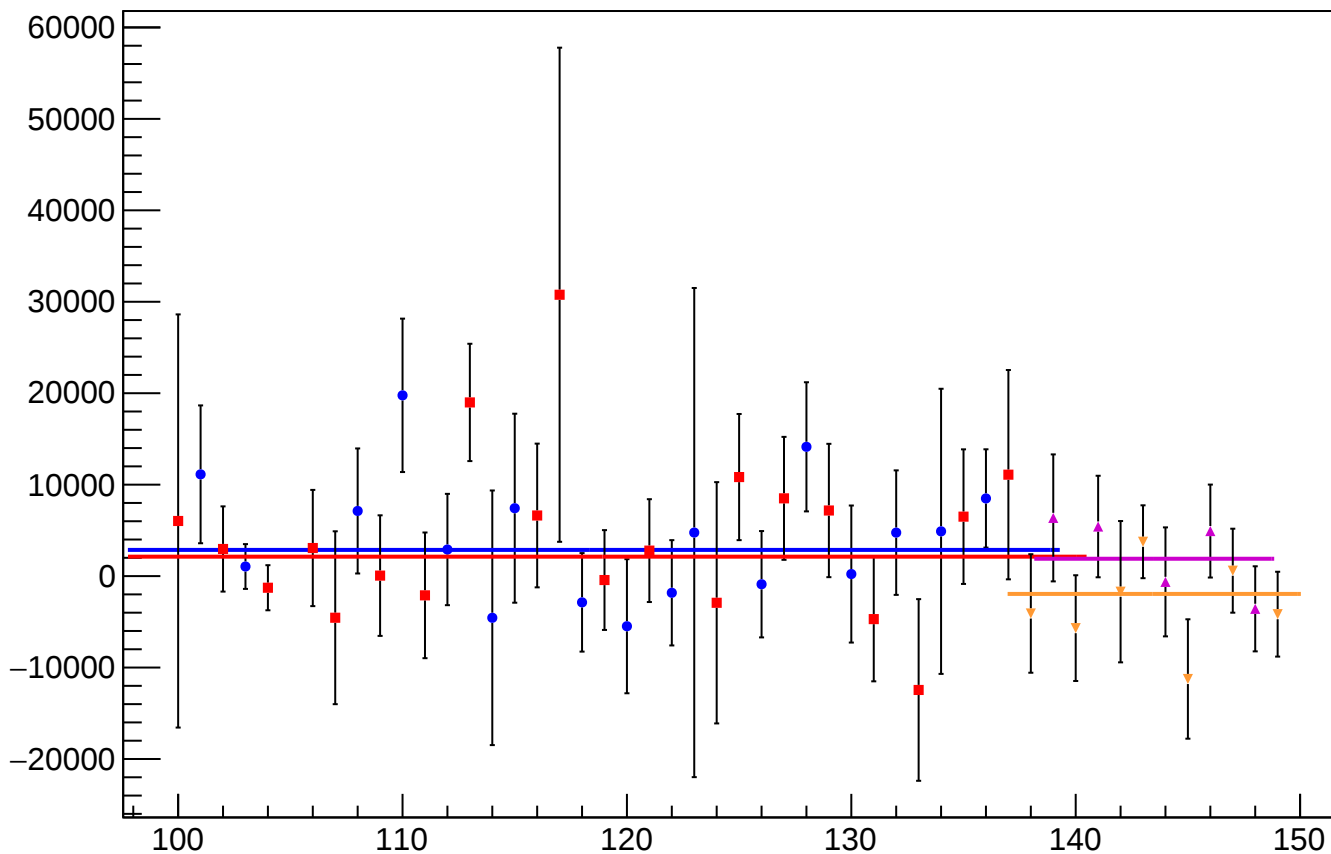
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -1948.189+/-1996.780 χ^2/NDF : 5.1/6

Right Out: 2126.105+/-1379.774 χ^2/NDF : 18.8/19

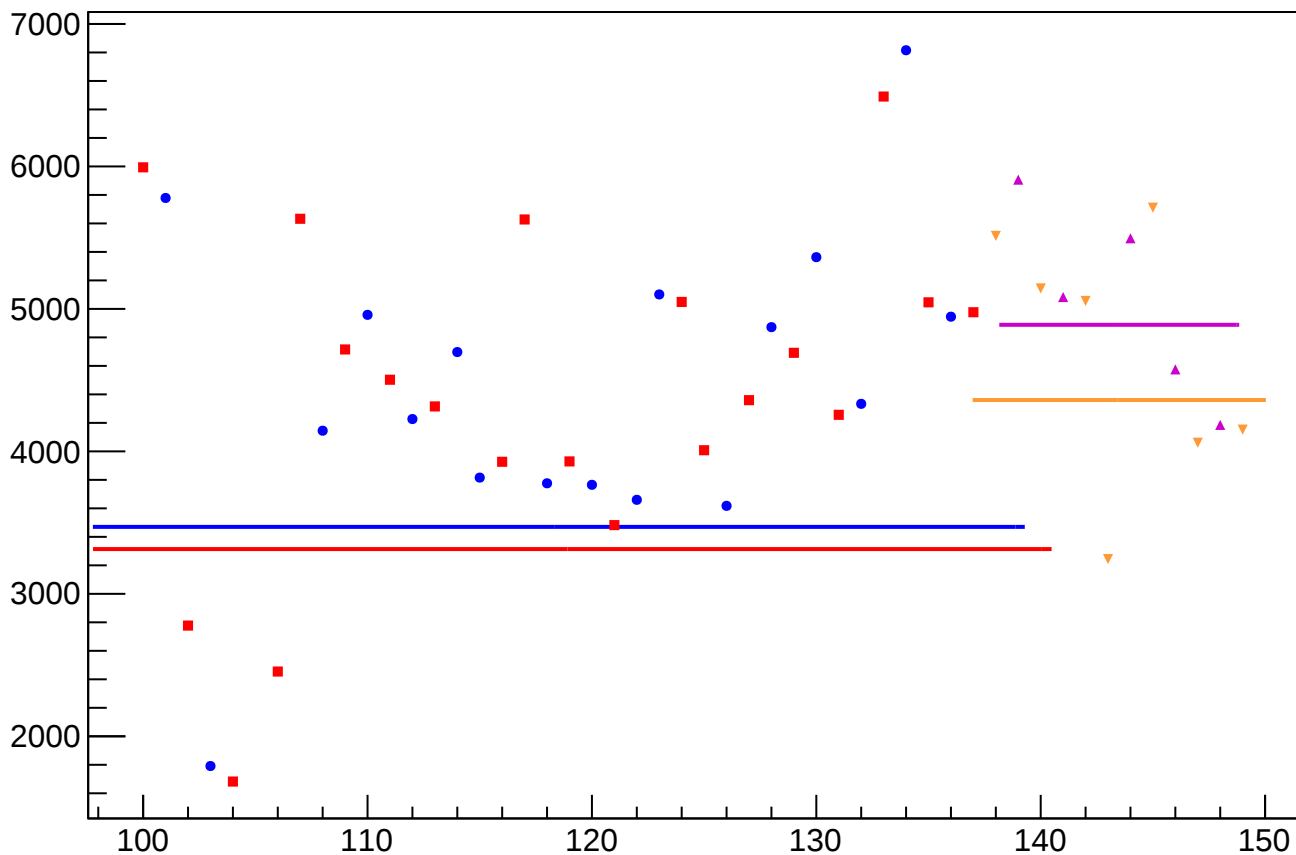
Left In: 1898.107+/-2452.458 χ^2/NDF : 2.7/4

1199.065+/-1174.690 χ^2/NDF : 23.0/23

1624.966+/-840.298 χ^2/NDF : 44.8/48

2071.288+/-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: 4360.320 $\pm$ 1.412 χ^2/NDF : 371279.5/6

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

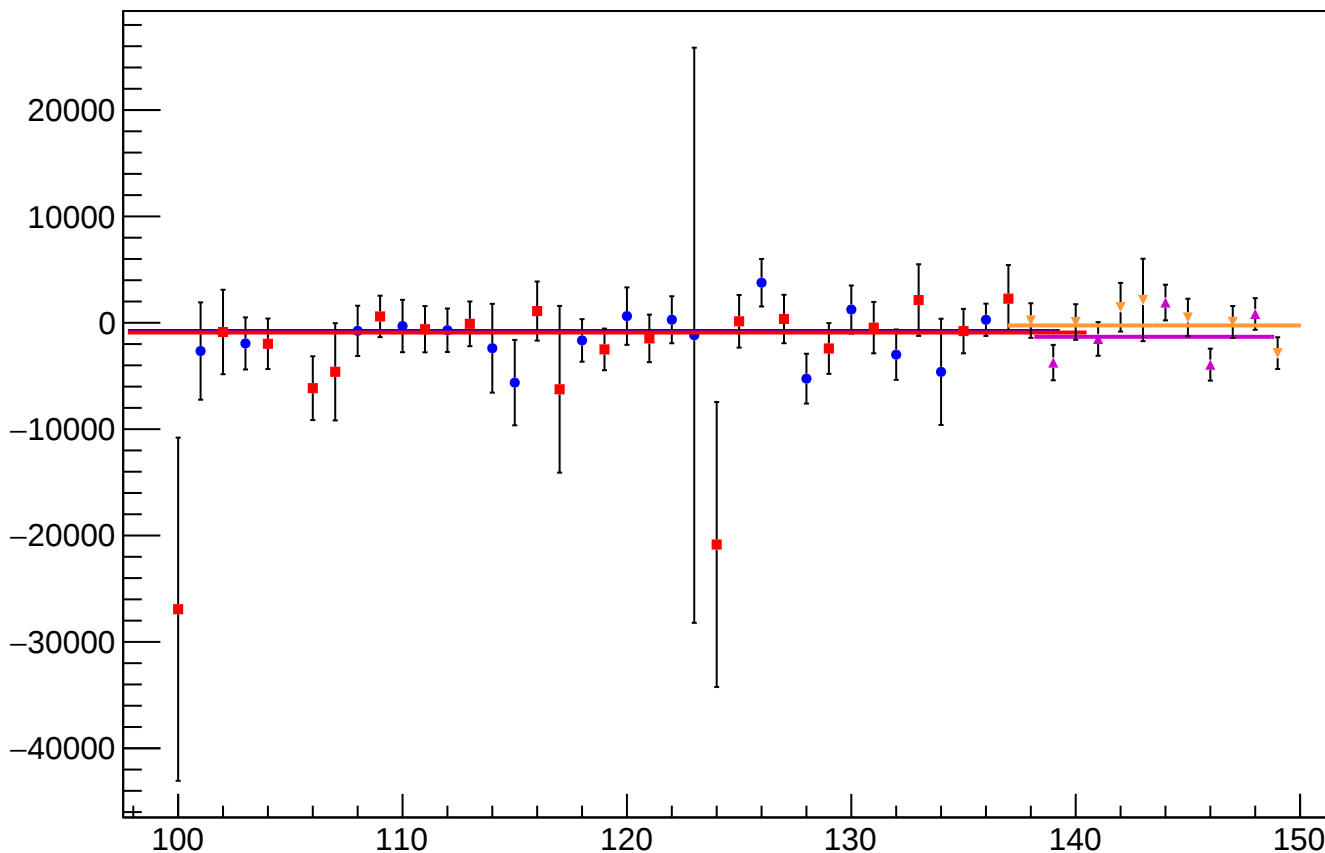
Left In: 4888.329 $\pm$ 1.734 χ^2/NDF : 119484.3/4

3778.147 $\pm$ 0.831 χ^2/NDF : 2392124.9/23

3733.526 $\pm$ 0.592 χ^2/NDF : 5071578.1/48

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: -251.213+/-672.837 χ^2/NDF : 4.3/6

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

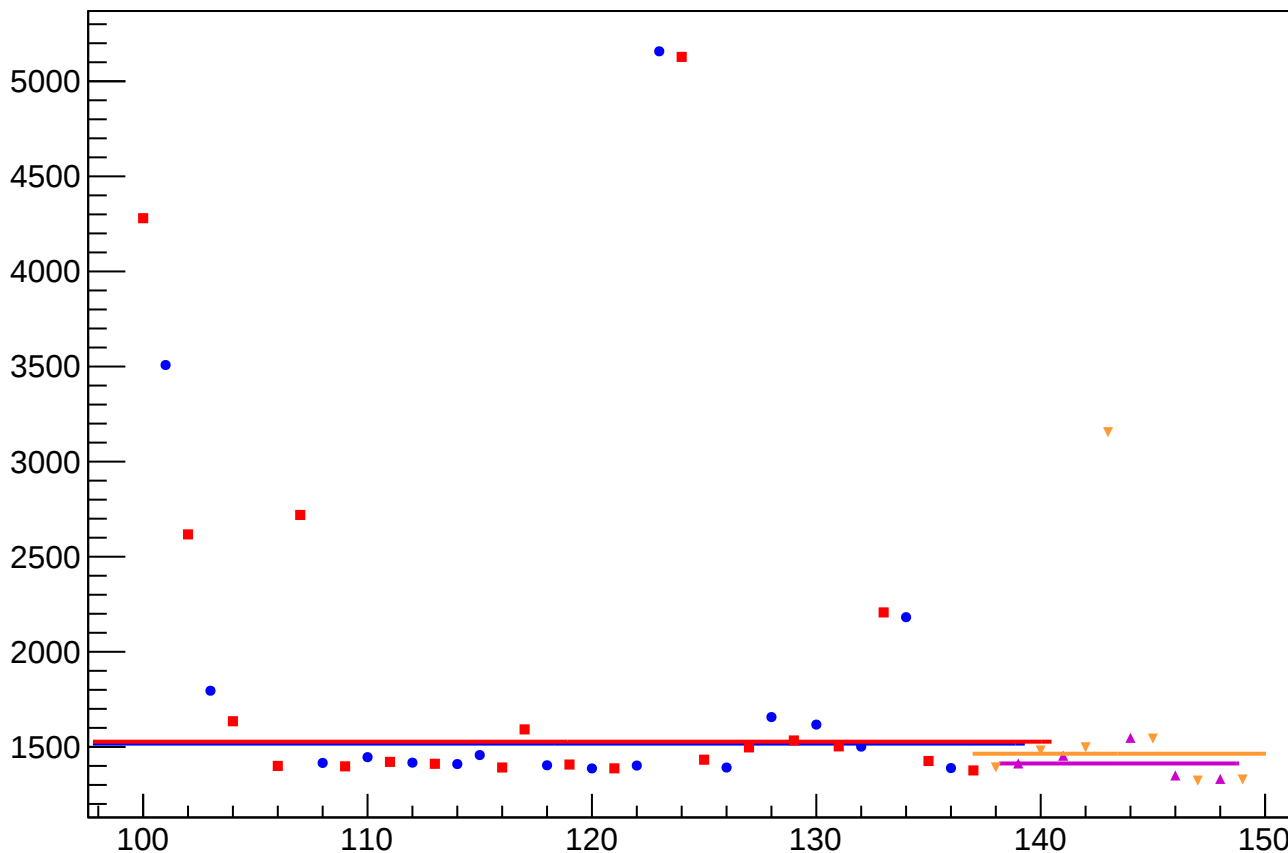
Left In: -1317.502+/-704.969 χ^2/NDF : 11.0/4

-539.265+/-449.337 χ^2/NDF : 17.9/23

-808.067+/-319.350 χ^2/NDF : 43.8/48

-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 χ^2/NDF : 536662.7/16

Left Out: 1464.114+/-0.476 χ^2/NDF : 423476.5/6

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

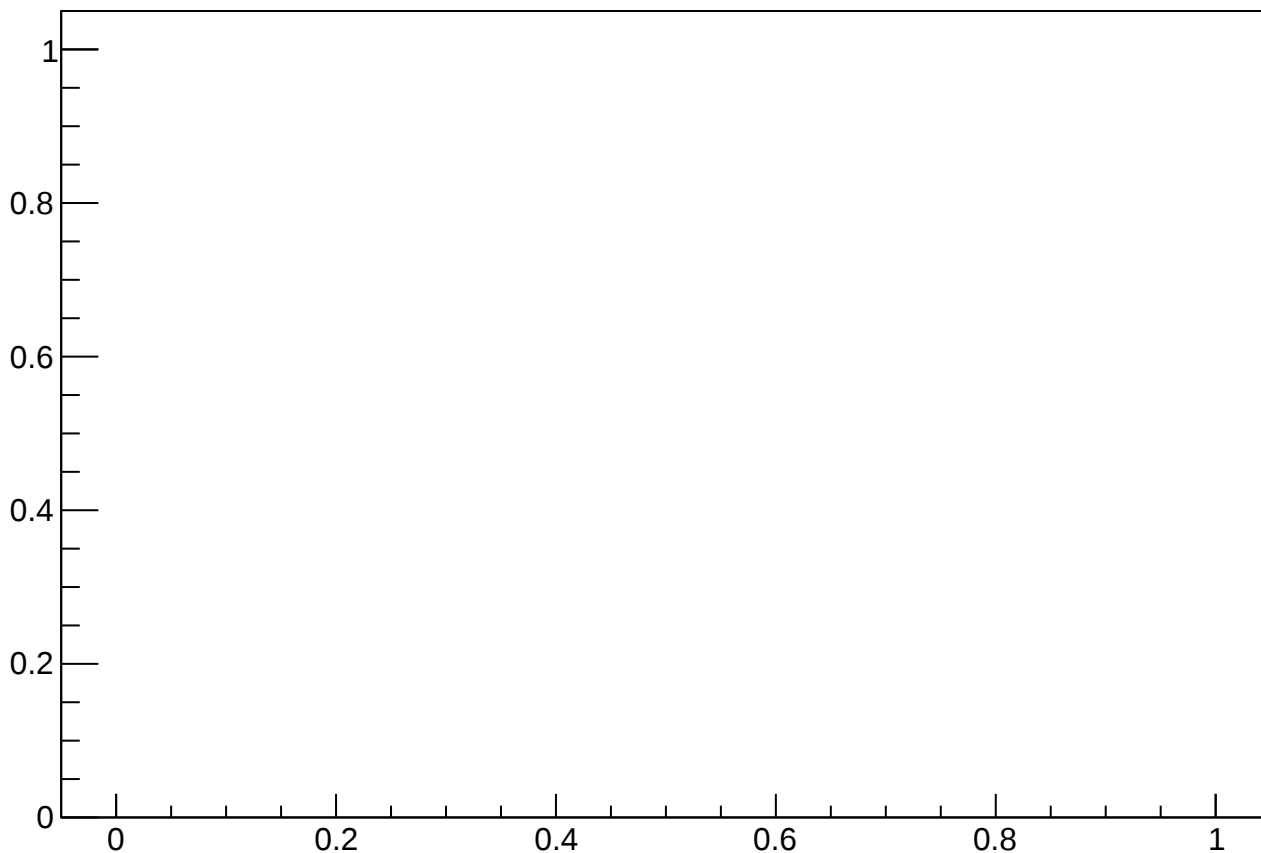
Left In: 1412.778+/-0.498 χ^2/NDF : 23734.0/4

1493.599+/-0.318 χ^2/NDF : 967071.5/23

1486.799+/-0.226 χ^2/NDF : 1654488.4/48

1479.858+/-0.321 χ^2/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

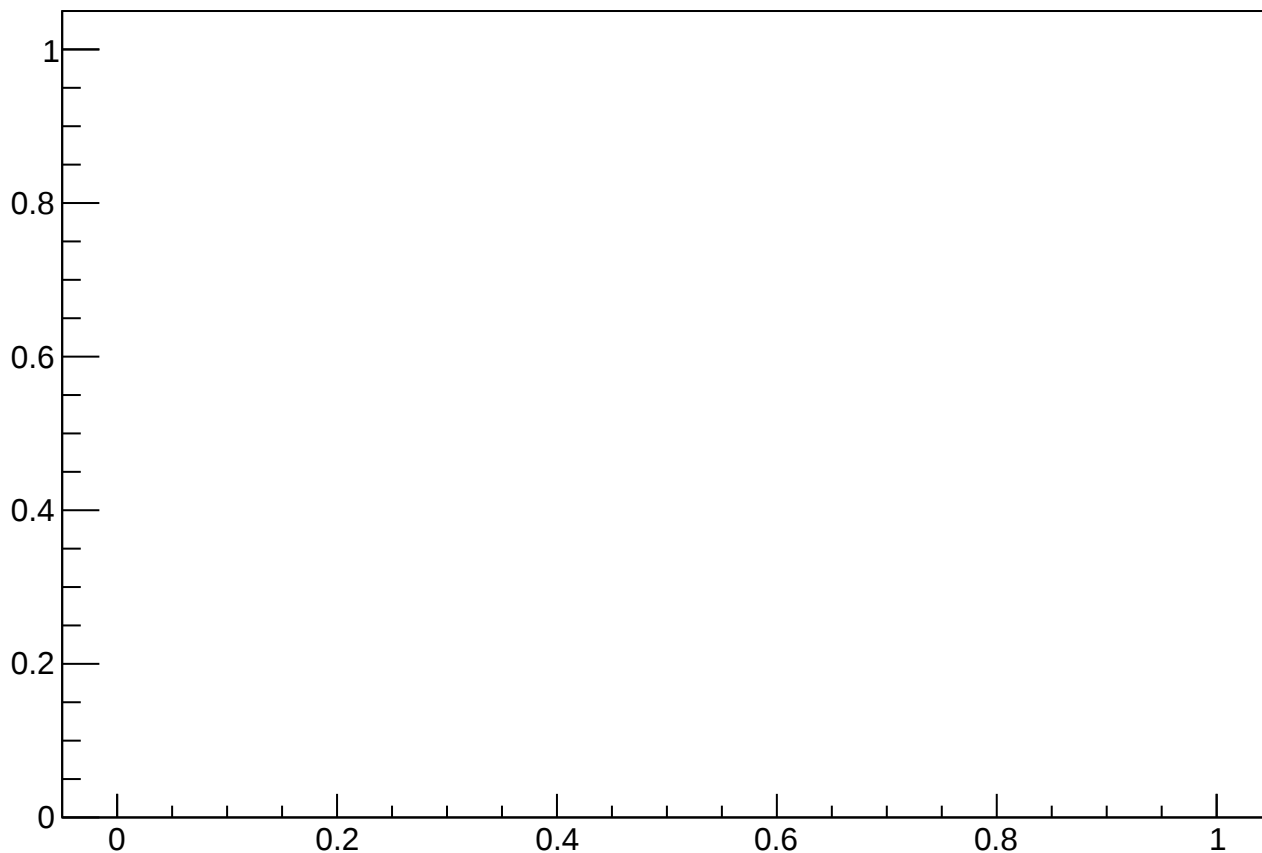
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

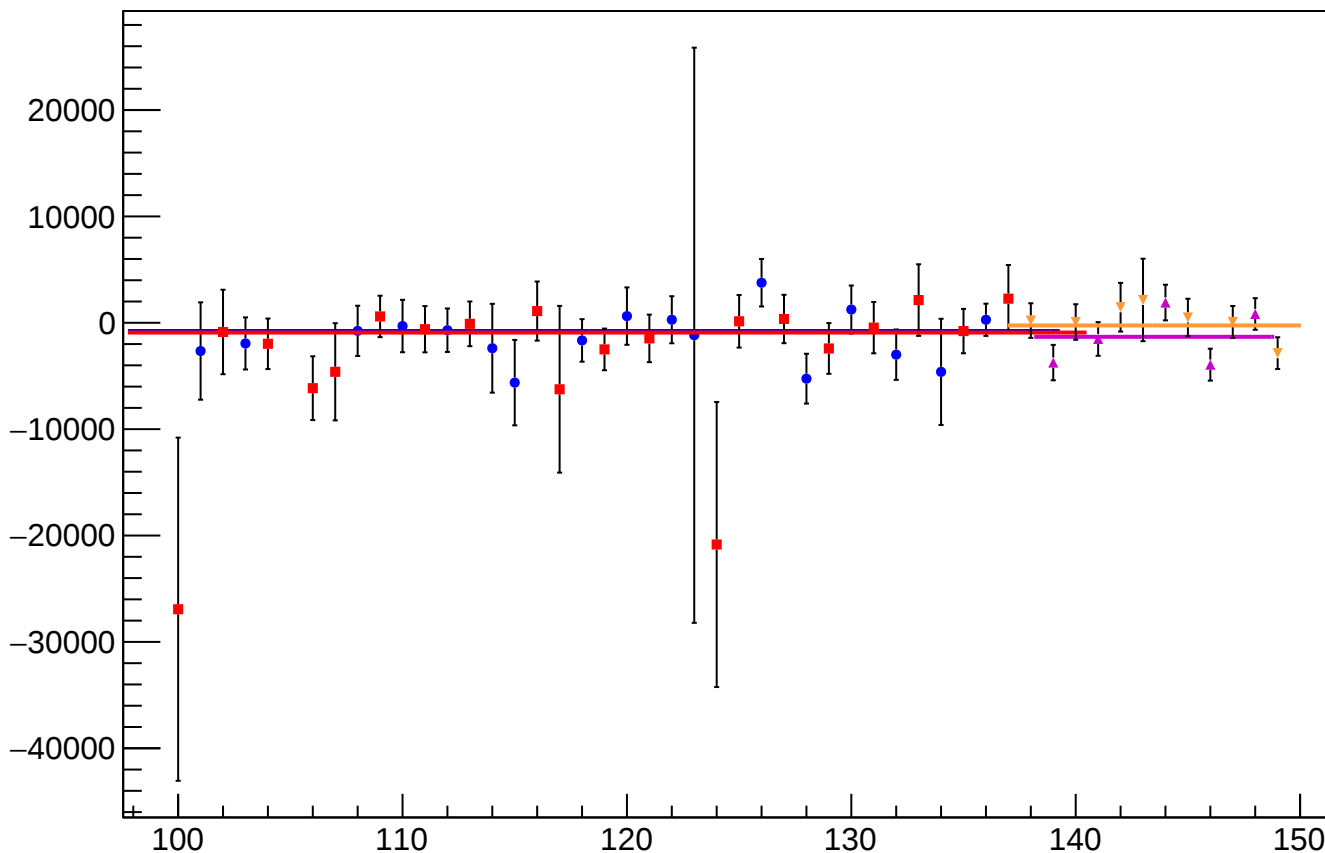
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -251.213+/-672.837 χ^2/NDF : 4.3/6

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

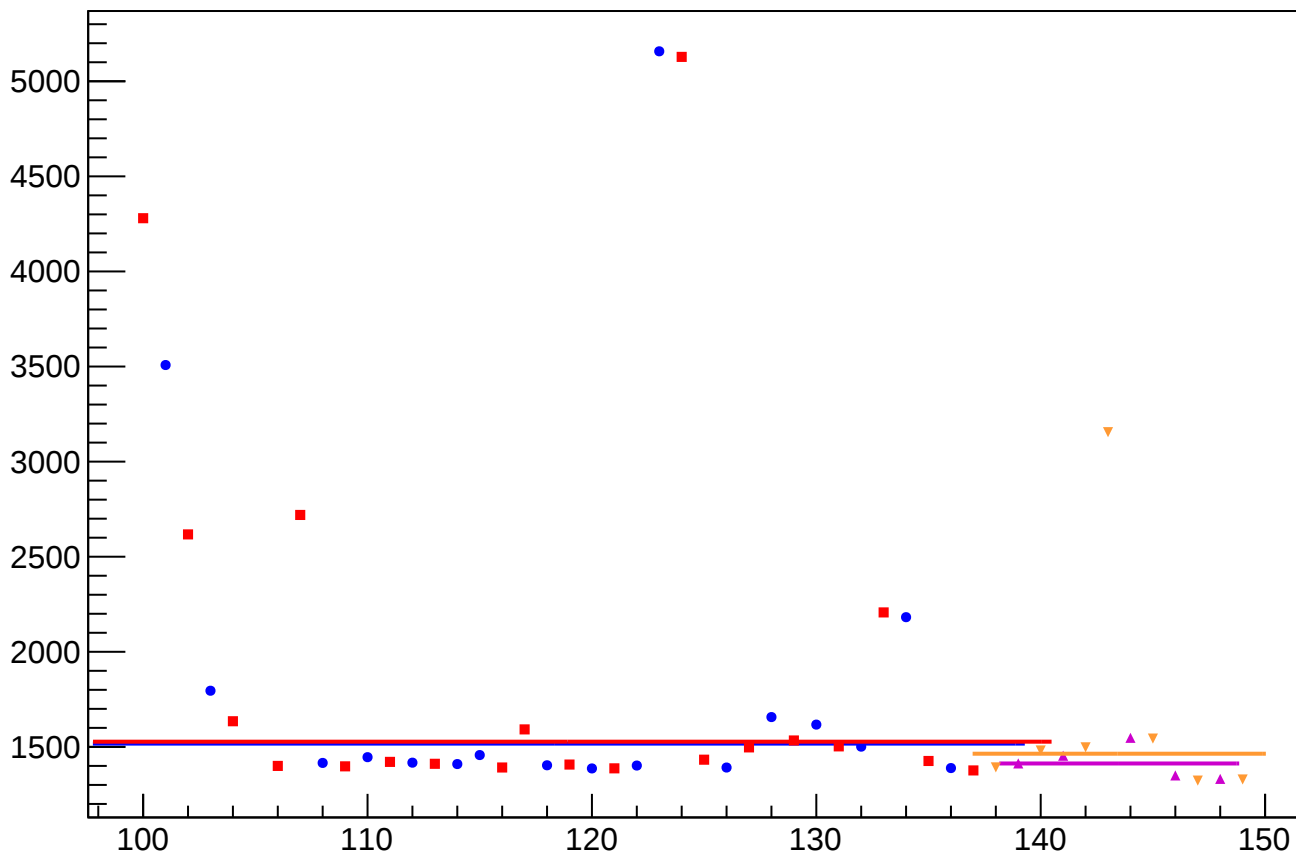
Left In: -1317.502+/-704.969 χ^2/NDF : 11.0/4

-539.265+/-449.337 χ^2/NDF : 17.9/23

-808.067+/-319.350 χ^2/NDF : 43.8/48

-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 χ^2/NDF : 536662.7/16

Left Out: 1464.114+/-0.476 χ^2/NDF : 423476.5/6

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

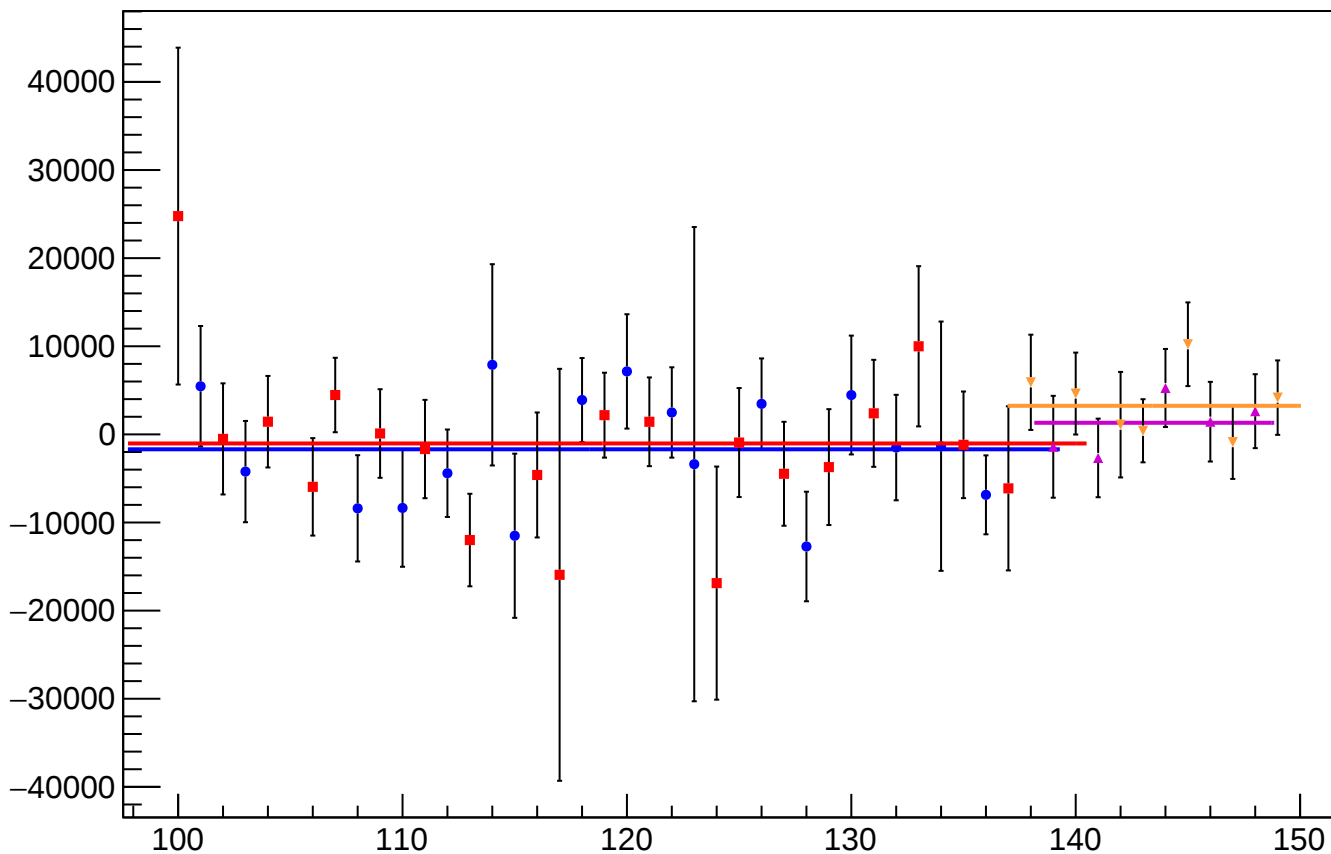
Left In: 1412.778+/-0.498 χ^2/NDF : 23734.0/4

1493.599+/-0.318 χ^2/NDF : 967071.5/23

1486.799+/-0.226 χ^2/NDF : 1654488.4/48

1479.858+/-0.321 χ^2/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: 3244.712 $\pm$ 1704.851 χ^2 /NDF: 4.3/6

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

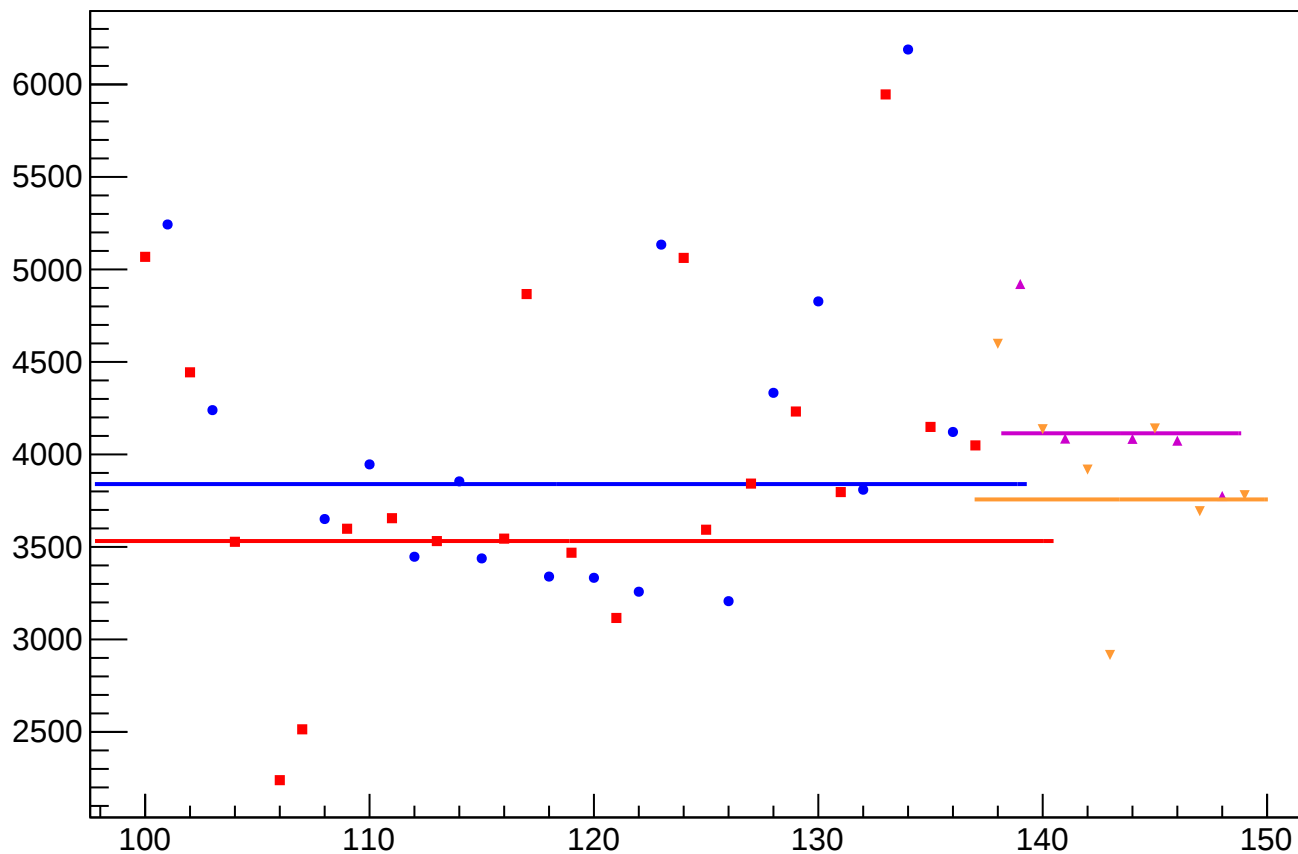
Left In: 1316.576 $\pm$ 2054.695 χ^2 /NDF: 1.9/4

482.626 $\pm$ 1131.601 χ^2 /NDF: 24.8/23

93.979 $\pm$ 804.365 χ^2 /NDF: 42.2/48

-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 $\pm$ 1.070 χ^2 /NDF: 325959.2/16

Left Out: 3756.753 $\pm$ 1.206 χ^2 /NDF: 186953.7/6

Right Out: 3531.881 $\pm$ 0.965 χ^2 /NDF: 561331.4/19

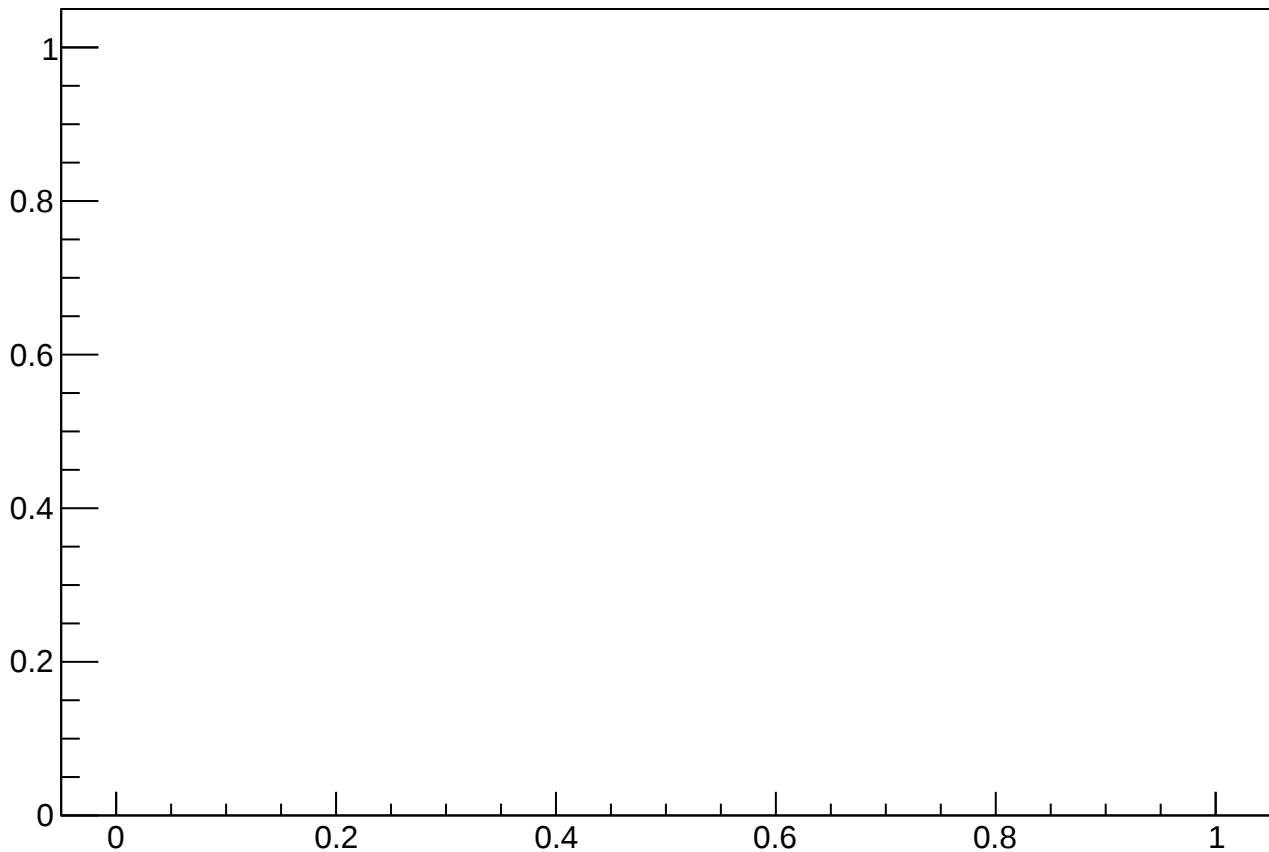
Left In: 4114.215 $\pm$ 1.453 χ^2 /NDF: 52360.5/4

3803.186 $\pm$ 0.800 χ^2 /NDF: 515564.7/23

3756.797 $\pm$ 0.567 χ^2 /NDF: 1247515.6/48

3710.013 $\pm$ 0.804 χ^2 /NDF: 725200.0/24

asym_atl_dd_atr_dd_avg_correction_mean 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

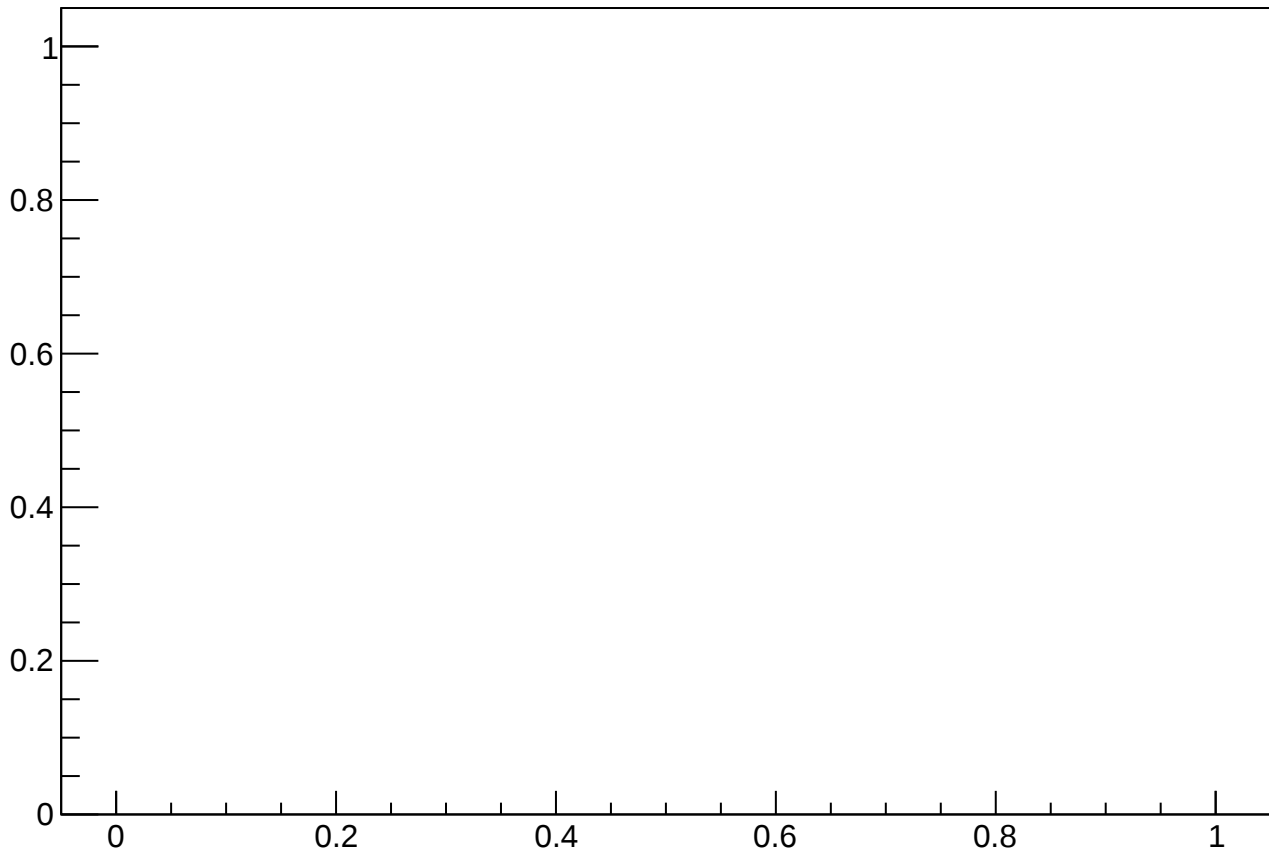
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

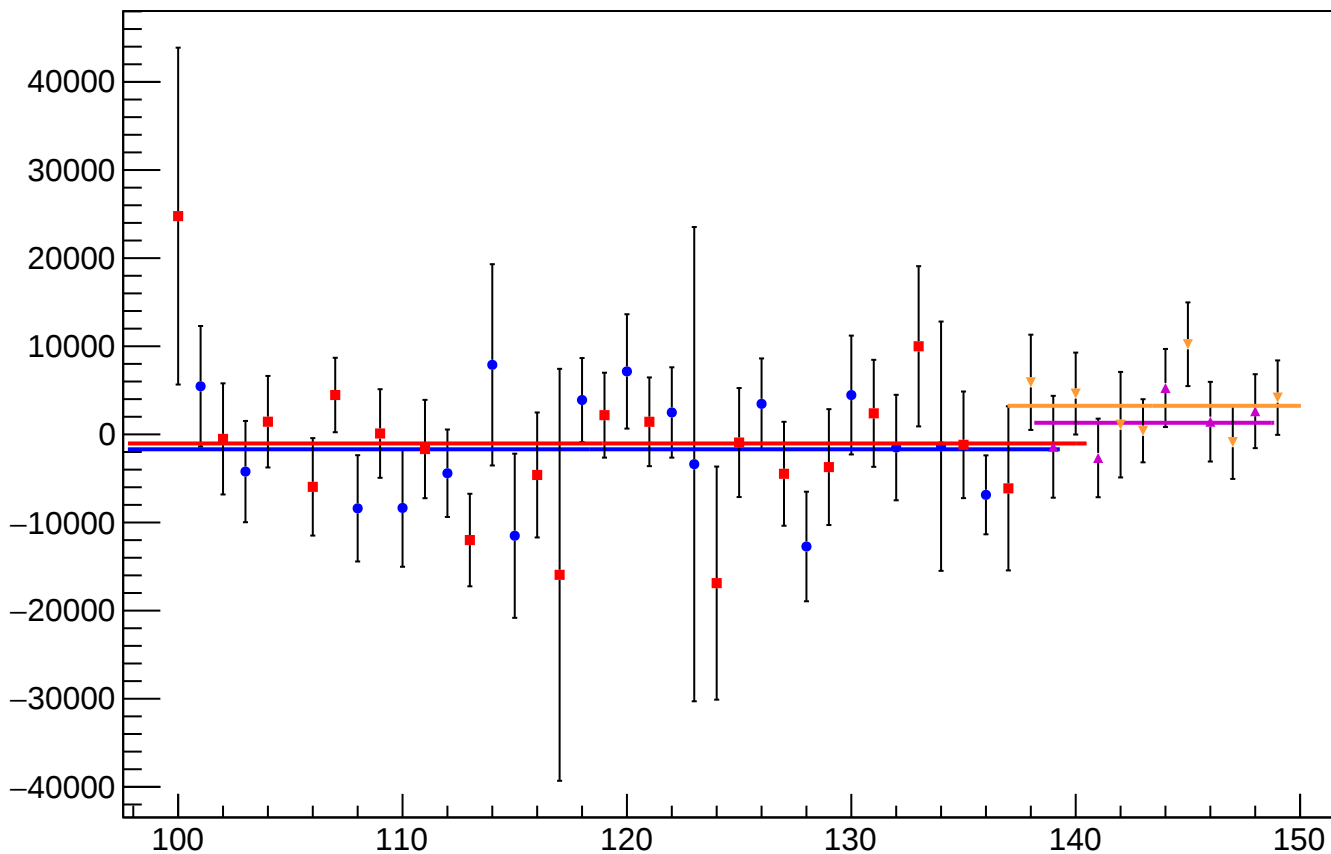
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 3244.712 $\pm$ 1704.851 χ^2 /NDF: 4.3/6

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

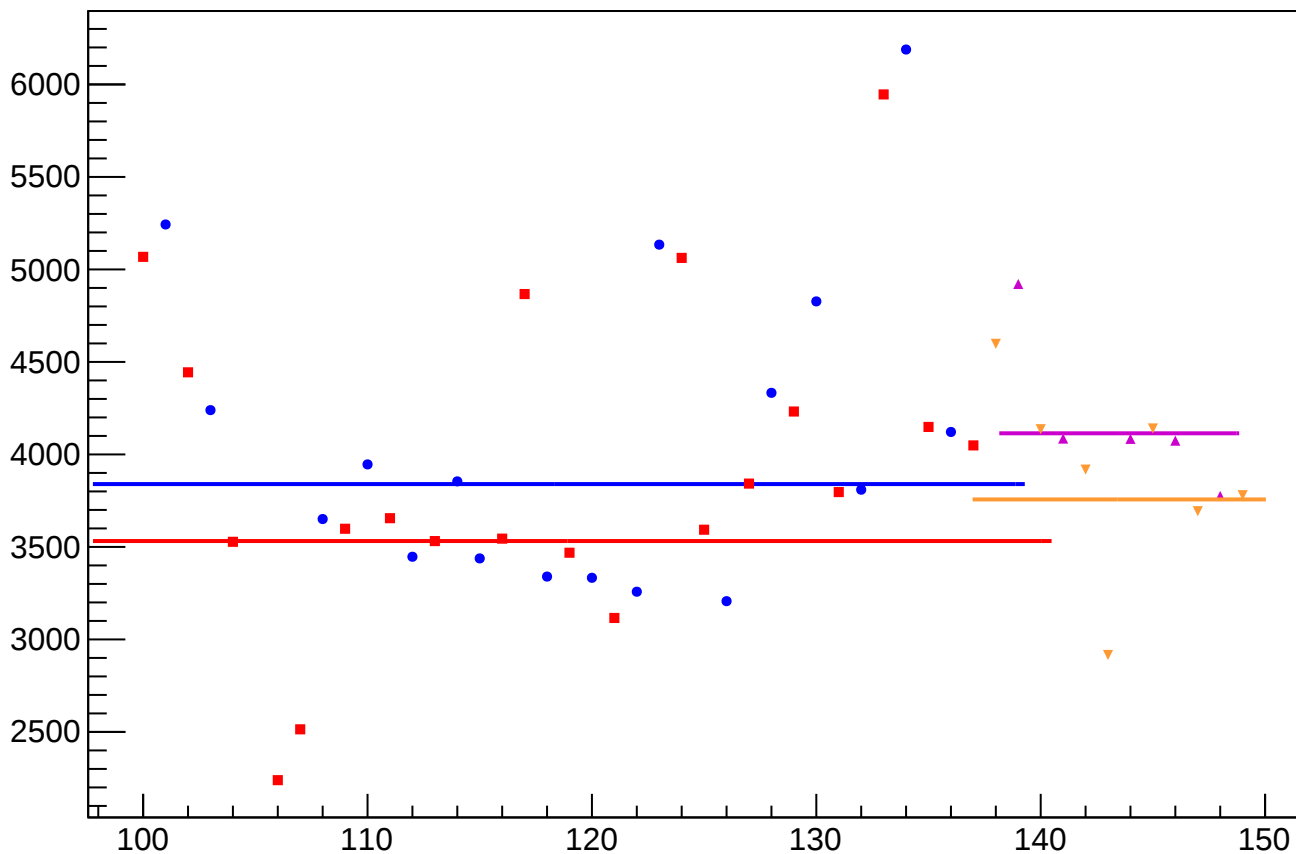
Left In: 1316.576 $\pm$ 2054.695 χ^2 /NDF: 1.9/4

482.626 $\pm$ 1131.601 χ^2 /NDF: 24.8/23

93.979 $\pm$ 804.365 χ^2 /NDF: 42.2/48

-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 $\chi^2/\text{NDF}: 325959.2/16$

Left Out: 3756.753 ± 1.206 $\chi^2/\text{NDF}: 186953.7/6$

Right Out: 3531.881 ± 0.965 $\chi^2/\text{NDF}: 561331.4/19$

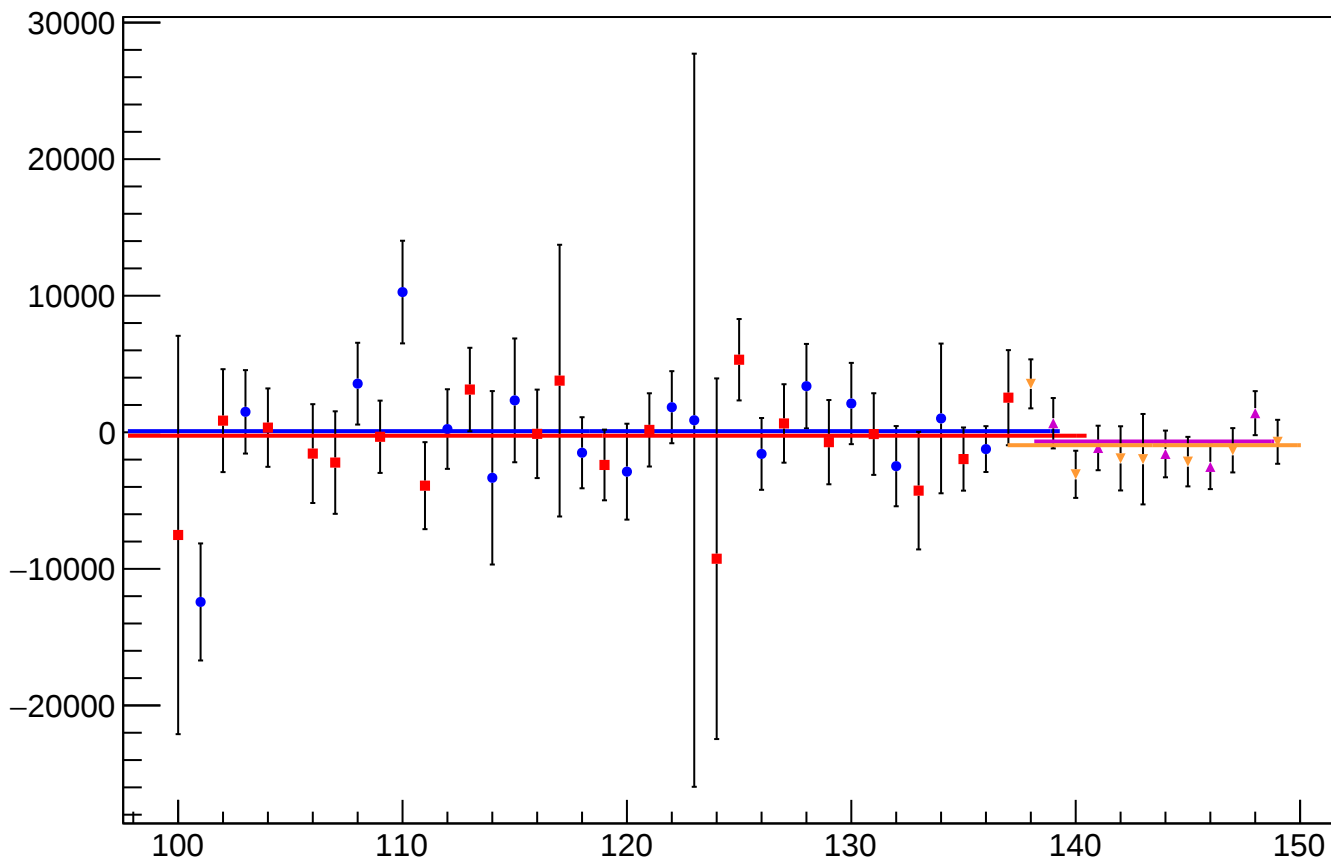
Left In: 4114.215 ± 1.453 $\chi^2/\text{NDF}: 52360.5/4$

3803.186 ± 0.800 $\chi^2/\text{NDF}: 515564.7/23$

3756.797 ± 0.567 $\chi^2/\text{NDF}: 1247515.6/48$

3710.013 ± 0.804 $\chi^2/\text{NDF}: 725200.0/24$

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: -945.251 ± 709.130 $\chi^2/\text{NDF}: 8.6/6$

Right Out: -250.743 ± 732.124 $\chi^2/\text{NDF}: 10.3/19$

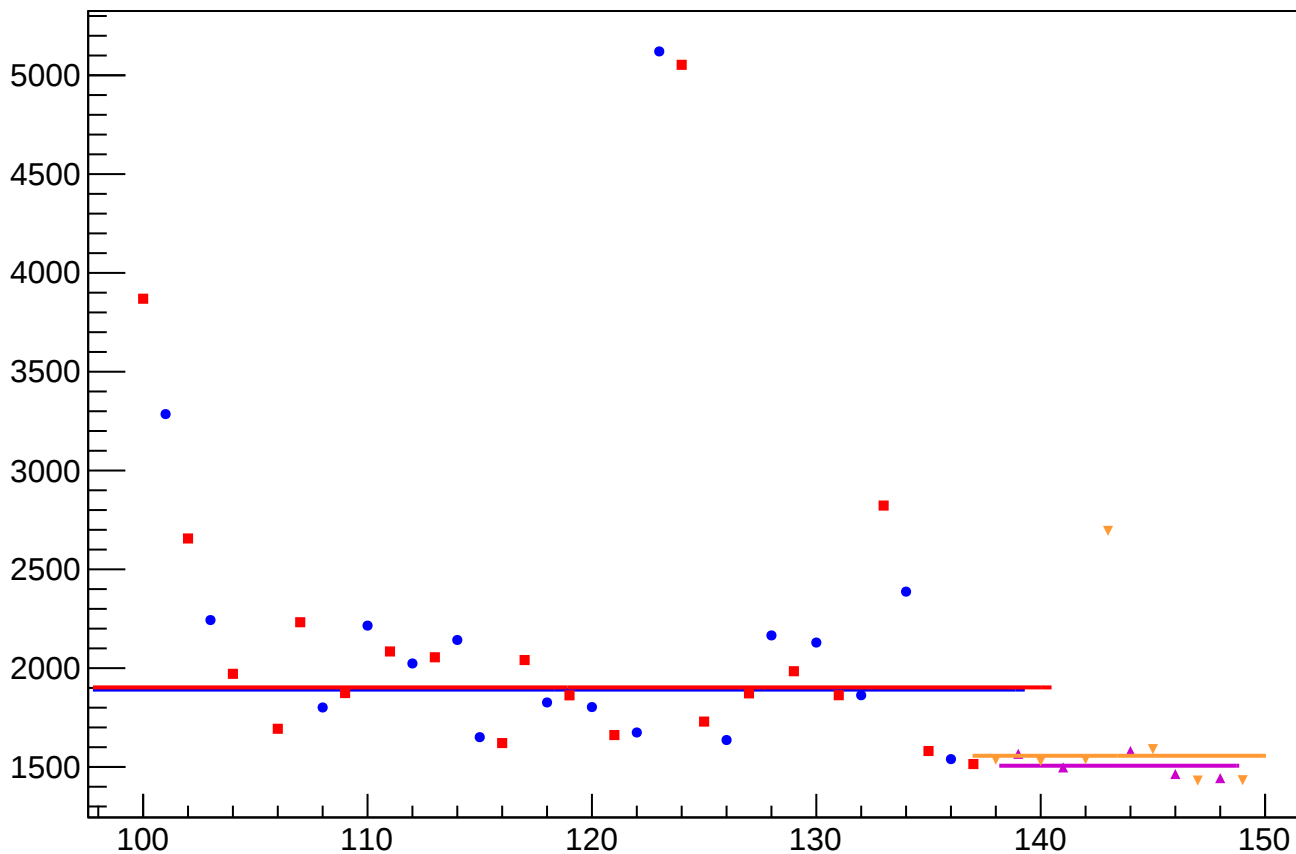
Left In: -673.589 ± 750.745 $\chi^2/\text{NDF}: 3.9/4$

-459.873 ± 515.452 $\chi^2/\text{NDF}: 32.5/23$

-458.390 ± 367.516 $\chi^2/\text{NDF}: 46.8/48$

-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 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1556.639 $\pm$ 0.501 χ^2 /NDF: 261603.7/6

Right Out: 1902.551 $\pm$ 0.518 χ^2 /NDF: 461077.0/19

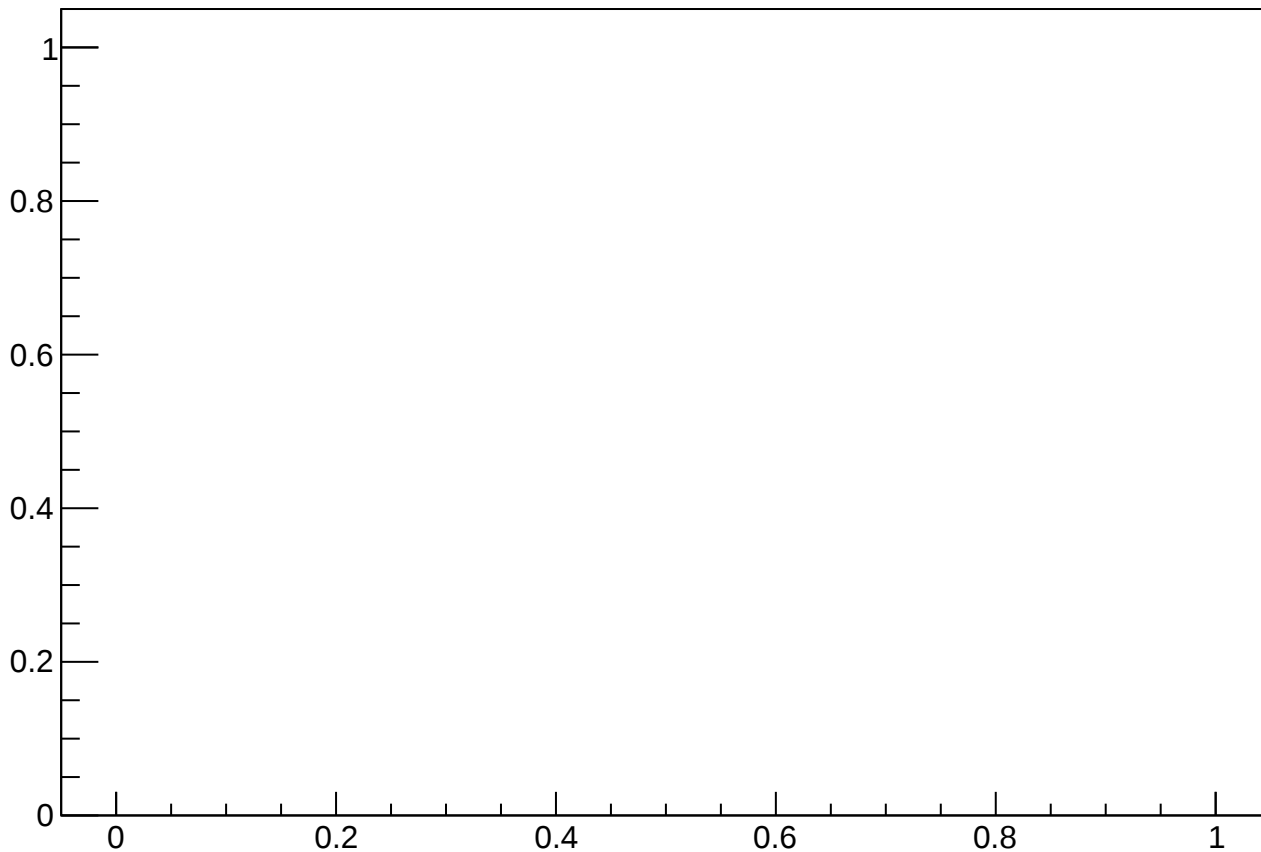
Left In: 1506.318 $\pm$ 0.531 χ^2 /NDF: 10355.9/4

1714.573 $\pm$ 0.364 χ^2 /NDF: 936434.0/23

1712.036 $\pm$ 0.260 χ^2 /NDF: 1693524.2/48

1709.412 $\pm$ 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

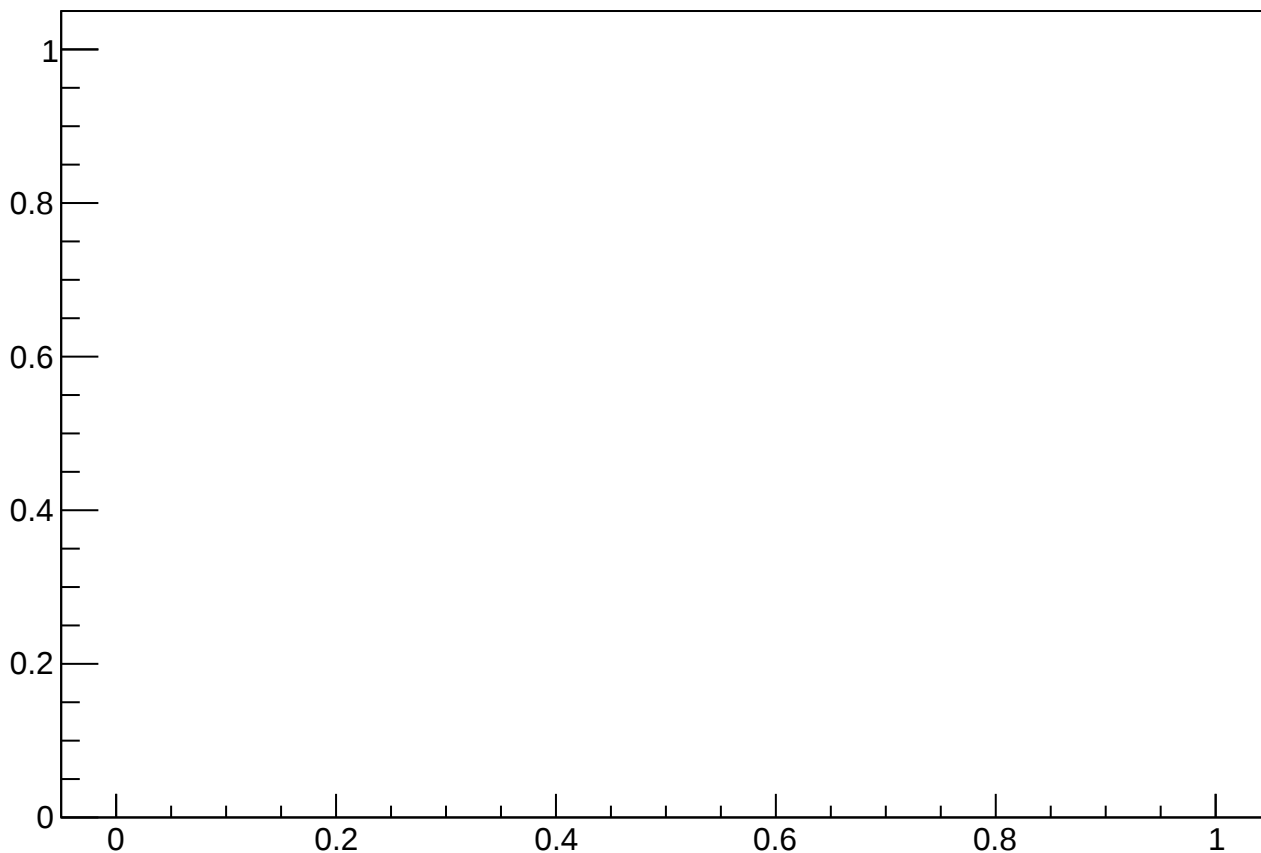
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

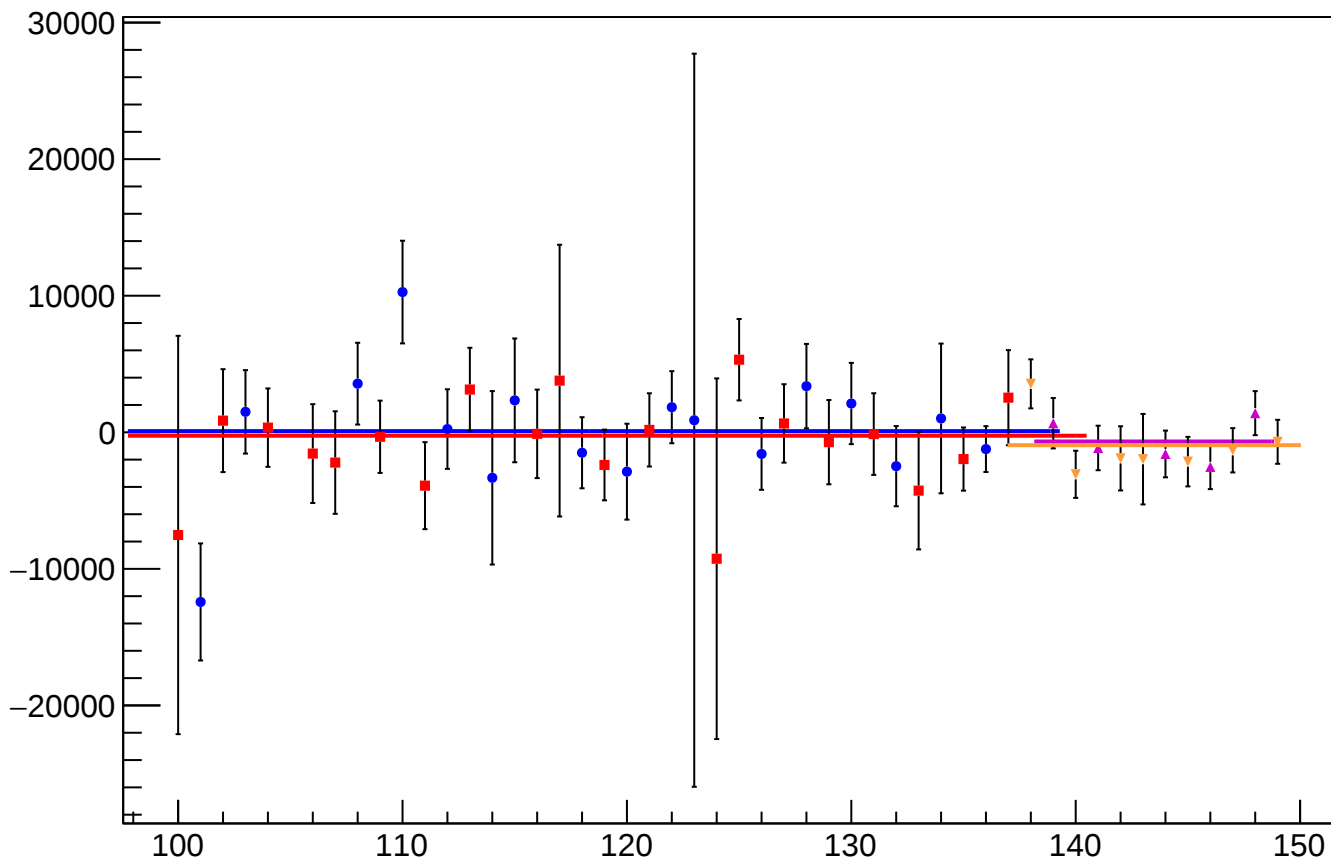
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -945.251 $\pm$ 709.130 χ^2 /NDF:8.6/6

Right Out: -250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

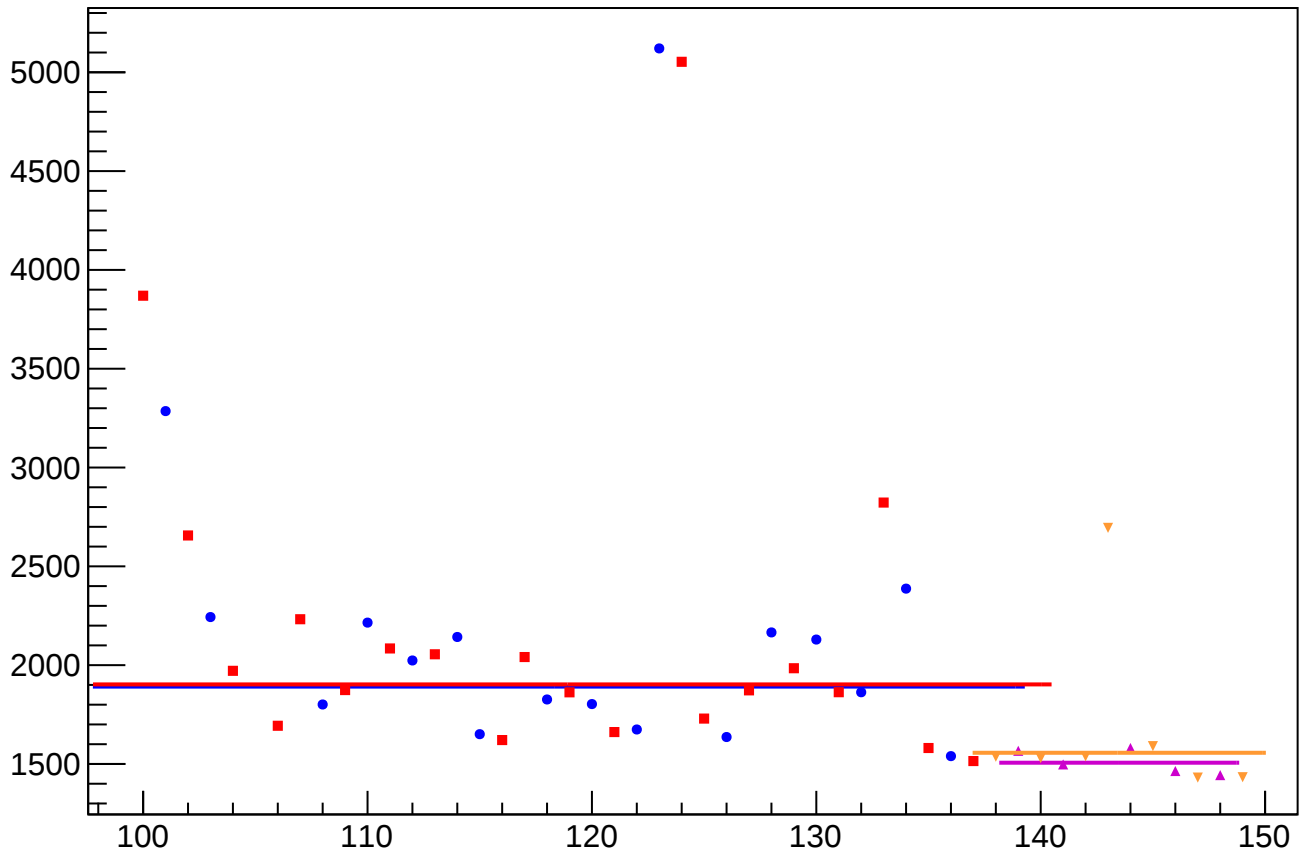
Left In: -673.589 $\pm$ 750.745 χ^2 /NDF:3.9/4

-459.873 $\pm$ 515.452 χ^2 /NDF: 32.5/23

-458.390 $\pm$ 367.516 χ^2 /NDF: 46.8/48

-456.857 $\pm$ 524.149 χ^2 /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: 1556.639+/-0.501 χ^2/NDF : 261603.7/6

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

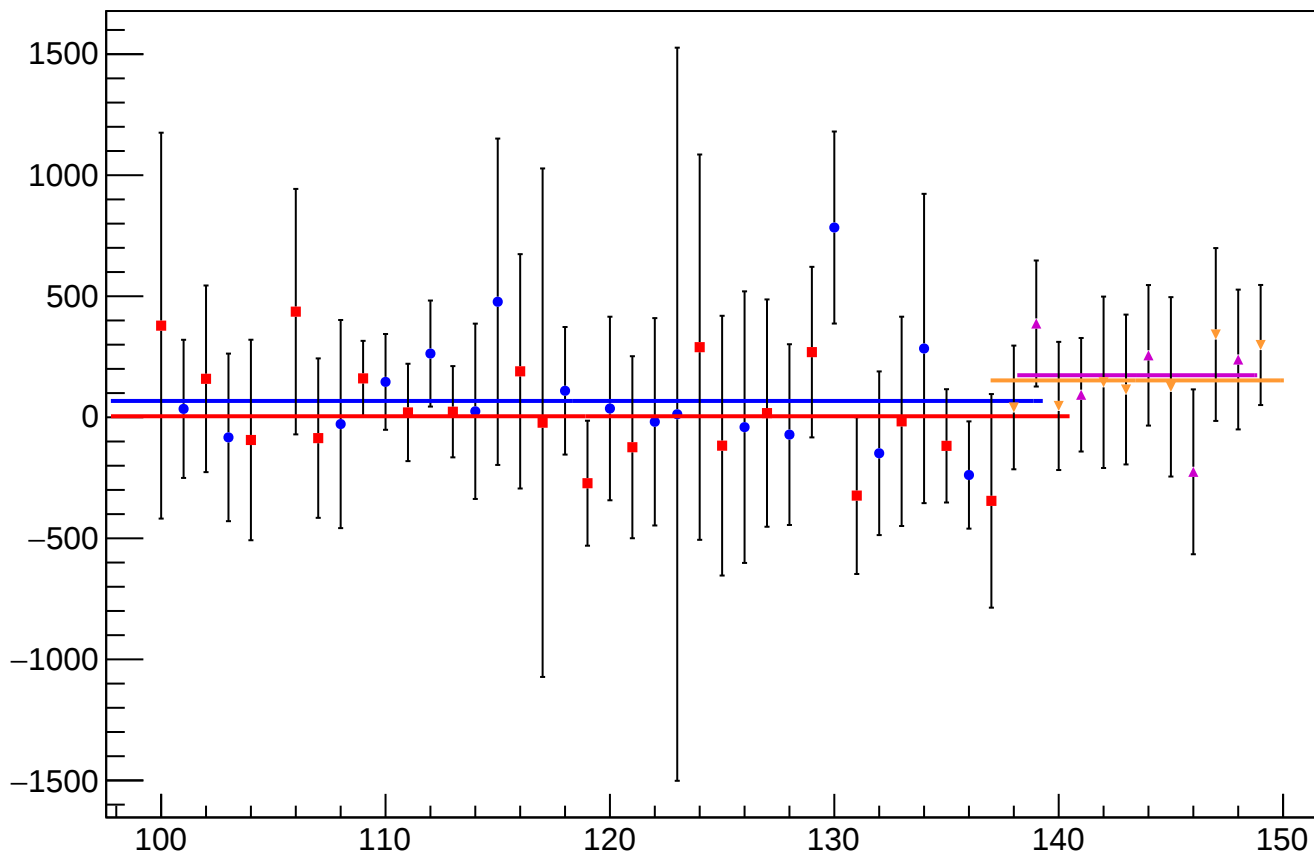
Left In: 1506.318+/-0.531 χ^2/NDF : 10355.9/4

1714.573+/-0.364 χ^2/NDF : 936434.0/23

1712.036+/-0.260 χ^2/NDF : 1693524.2/48

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: 152.371+/-112.231 χ^2/NDF : 1.0/6

Right Out: 4.305+/-69.854 χ^2/NDF : 6.4/19

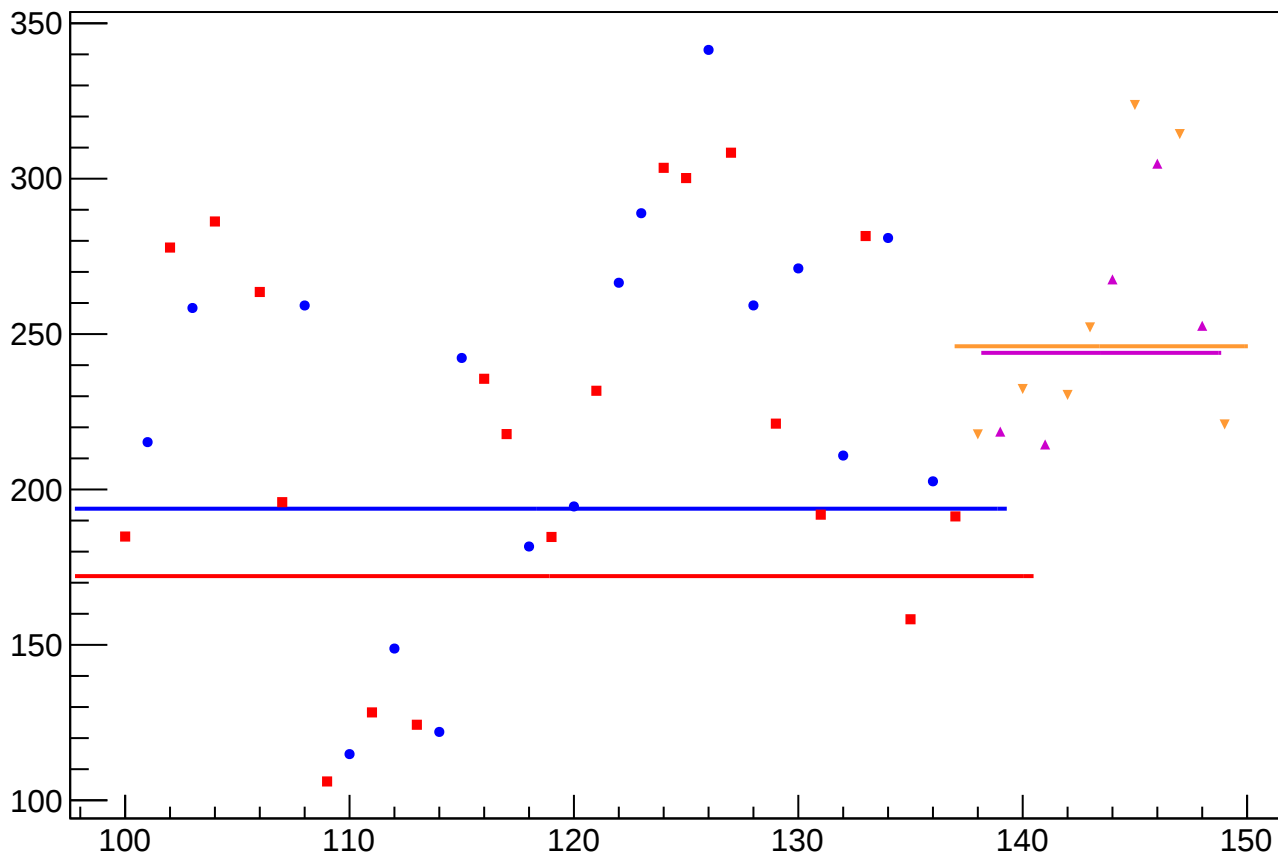
Left In: 173.777+/-123.628 χ^2/NDF : 2.3/4

95.936+/-64.932 χ^2/NDF : 8.9/23

68.972+/-44.388 χ^2/NDF : 19.3/48

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+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 246.079+/-0.079 χ^2/NDF : 216194.2/6

Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

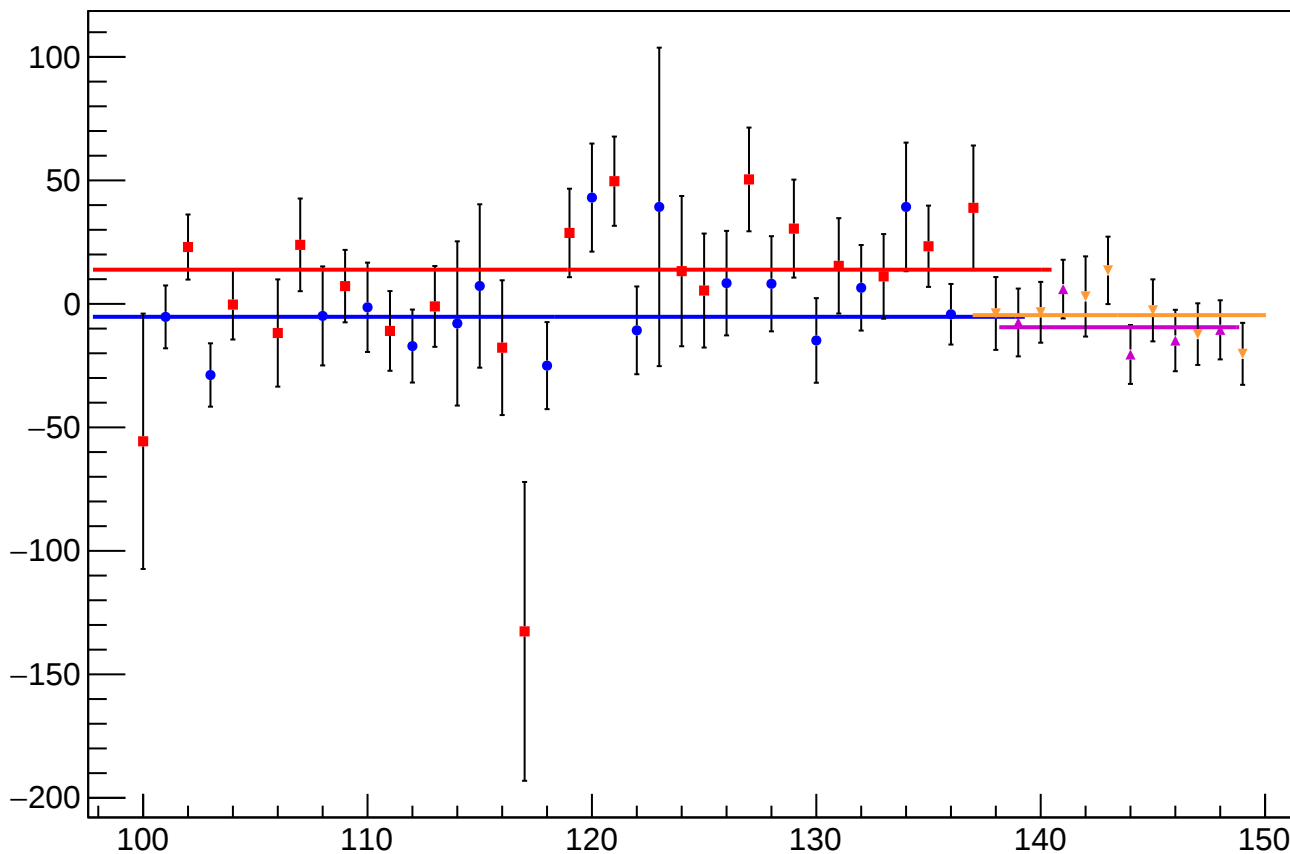
Left In: 243.962+/-0.087 χ^2/NDF : 129547.6/4

211.309+/-0.046 χ^2/NDF : 1515063.9/23

199.696+/-0.031 χ^2/NDF : 3857489.7/48

189.508+/-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: -4.554 $\pm$ 5.034 χ^2/NDF : 4.0/6

Right Out: 13.851 $\pm$ 4.255 χ^2/NDF : 25.4/19

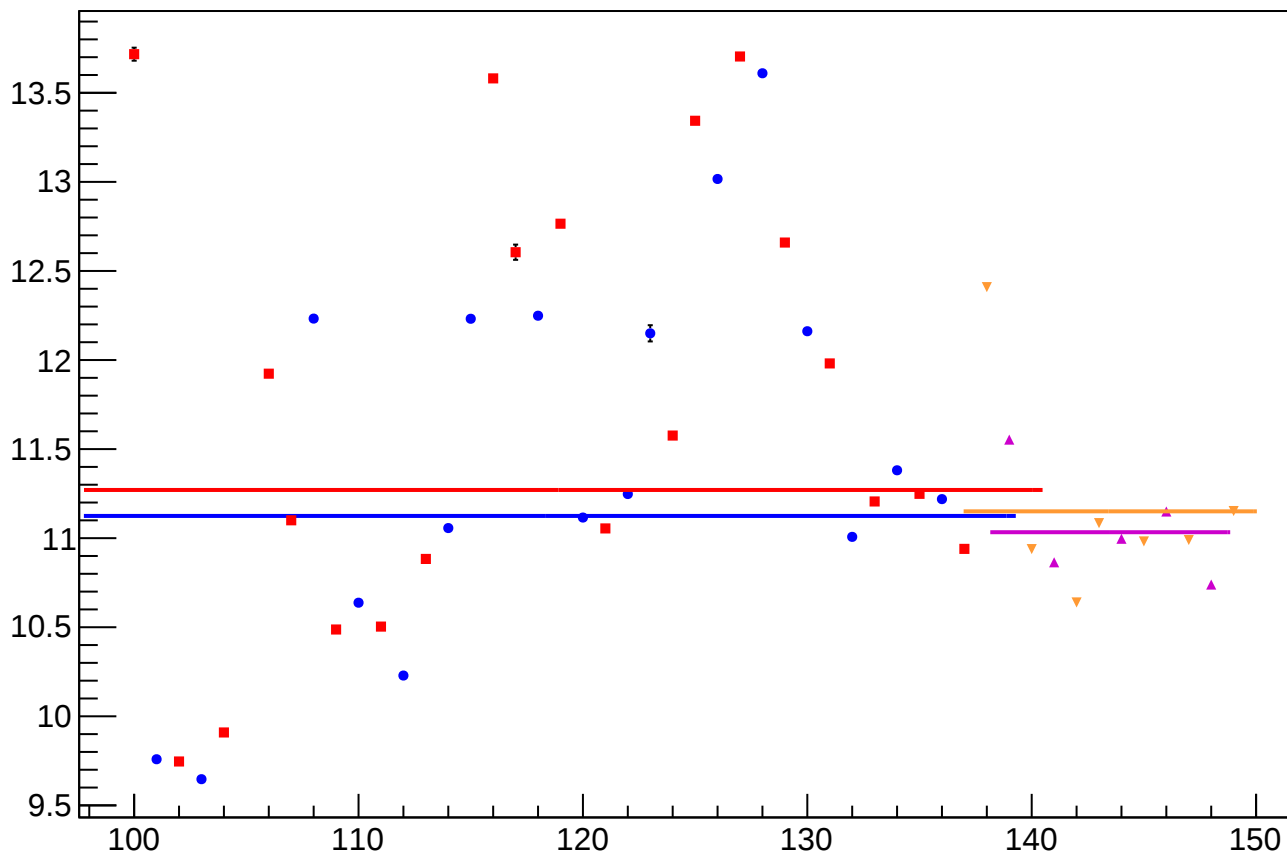
Left In: -9.452 $\pm$ 5.514 χ^2/NDF : 2.8/4

-4.941 $\pm$ 3.294 χ^2/NDF : 19.5/23

-0.006 $\pm$ 2.355 χ^2/NDF : 63.4/48

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 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.151 $\pm$ 0.004 χ^2 /NDF: 17881.6/6

Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

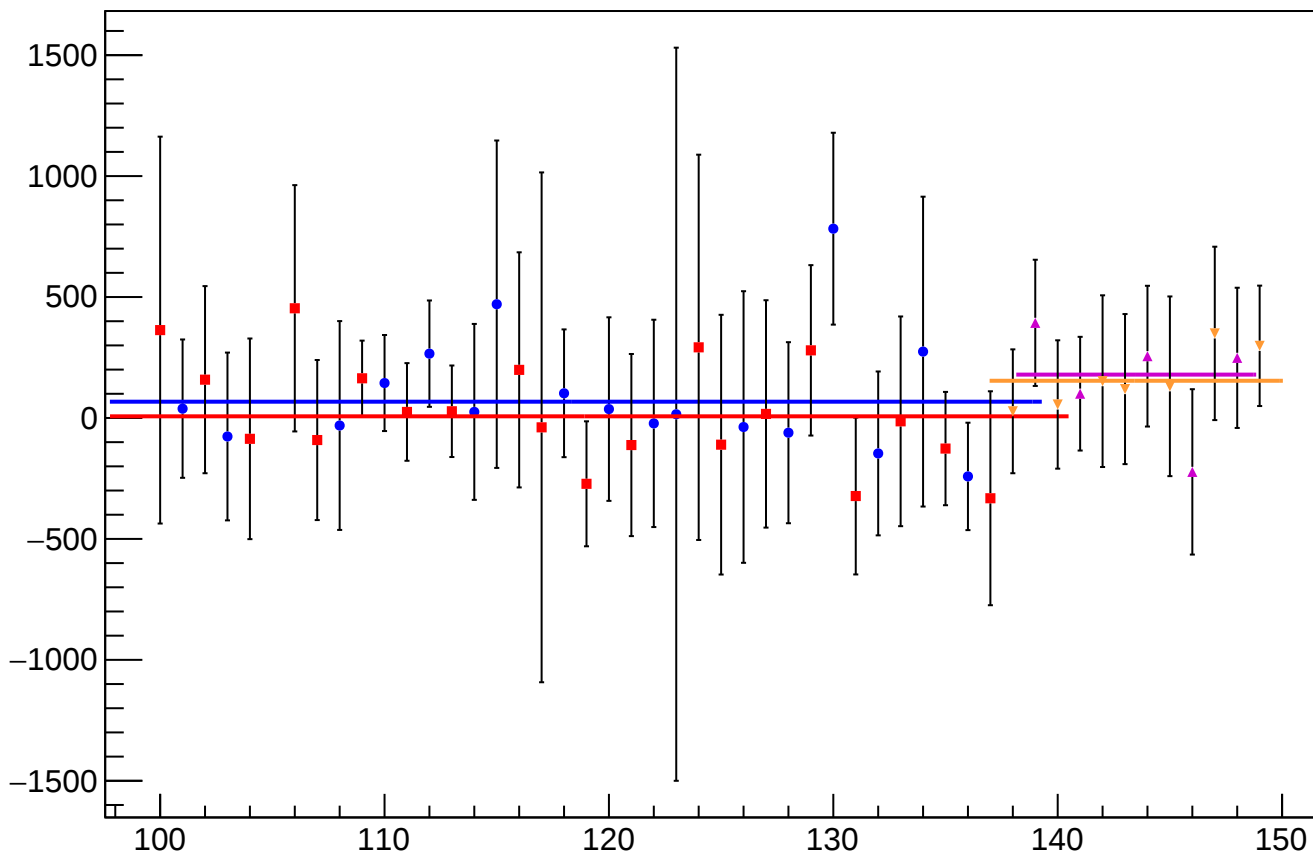
Left In: 11.033 $\pm$ 0.004 χ^2 /NDF: 4671.2/4

11.136 $\pm$ 0.002 χ^2 /NDF: 150431.7/23

11.158 $\pm$ 0.002 χ^2 /NDF: 306326.1/48

11.182 $\pm$ 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 $\pm$ 79.817 χ^2 /NDF: 7.5/16

Left Out: 153.848 $\pm$ 112.541 χ^2 /NDF: 1.0/6

Right Out: 6.837 $\pm$ 70.057 χ^2 /NDF: 6.4/19

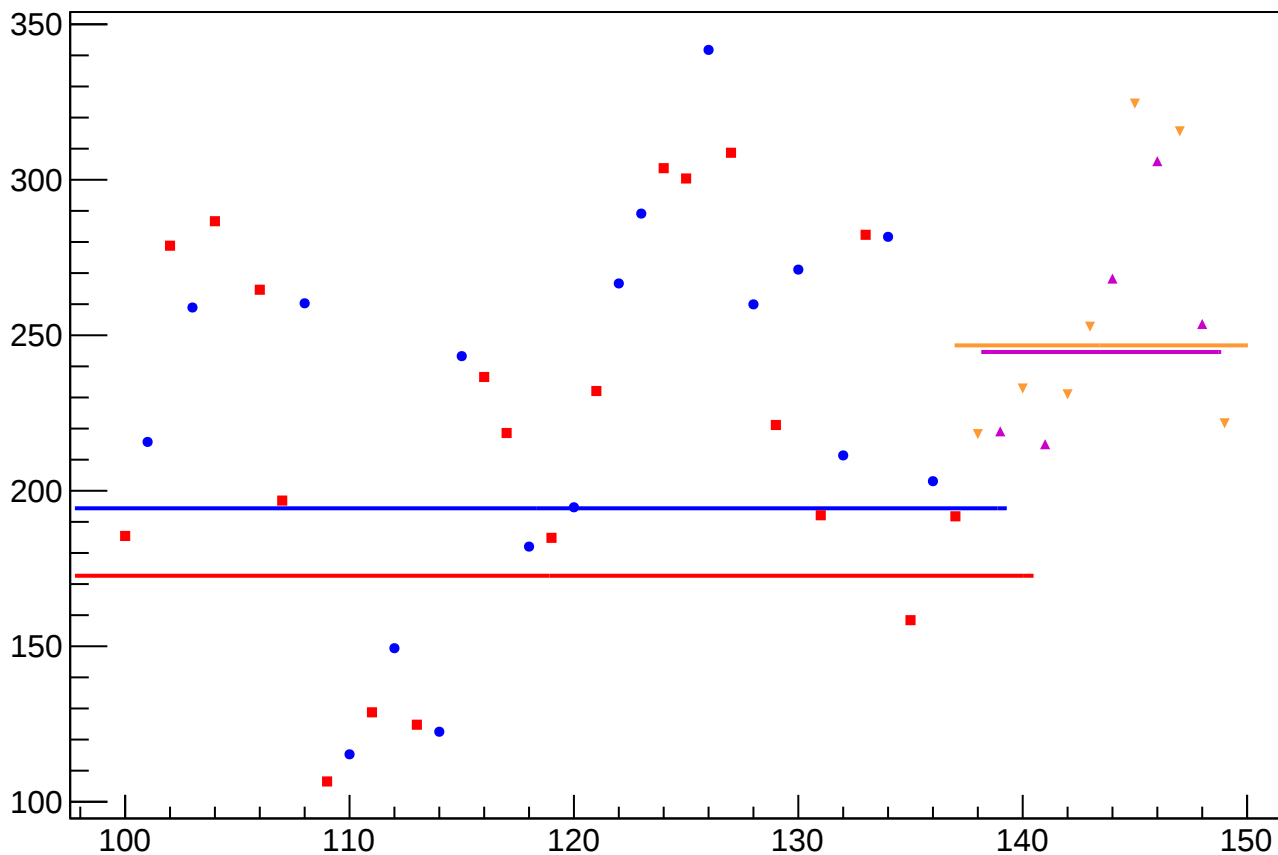
Left In: 179.289 $\pm$ 123.972 χ^2 /NDF: 2.3/4

96.268 $\pm$ 65.105 χ^2 /NDF: 8.9/23

70.869 $\pm$ 44.511 χ^2 /NDF: 19.4/48

48.578 $\pm$ 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: 246.753 $\pm$ 0.080 χ^2 /NDF:216593.6/6

Right Out: 172.675 $\pm$ 0.050 χ^2 /NDF: 1573459.1/19

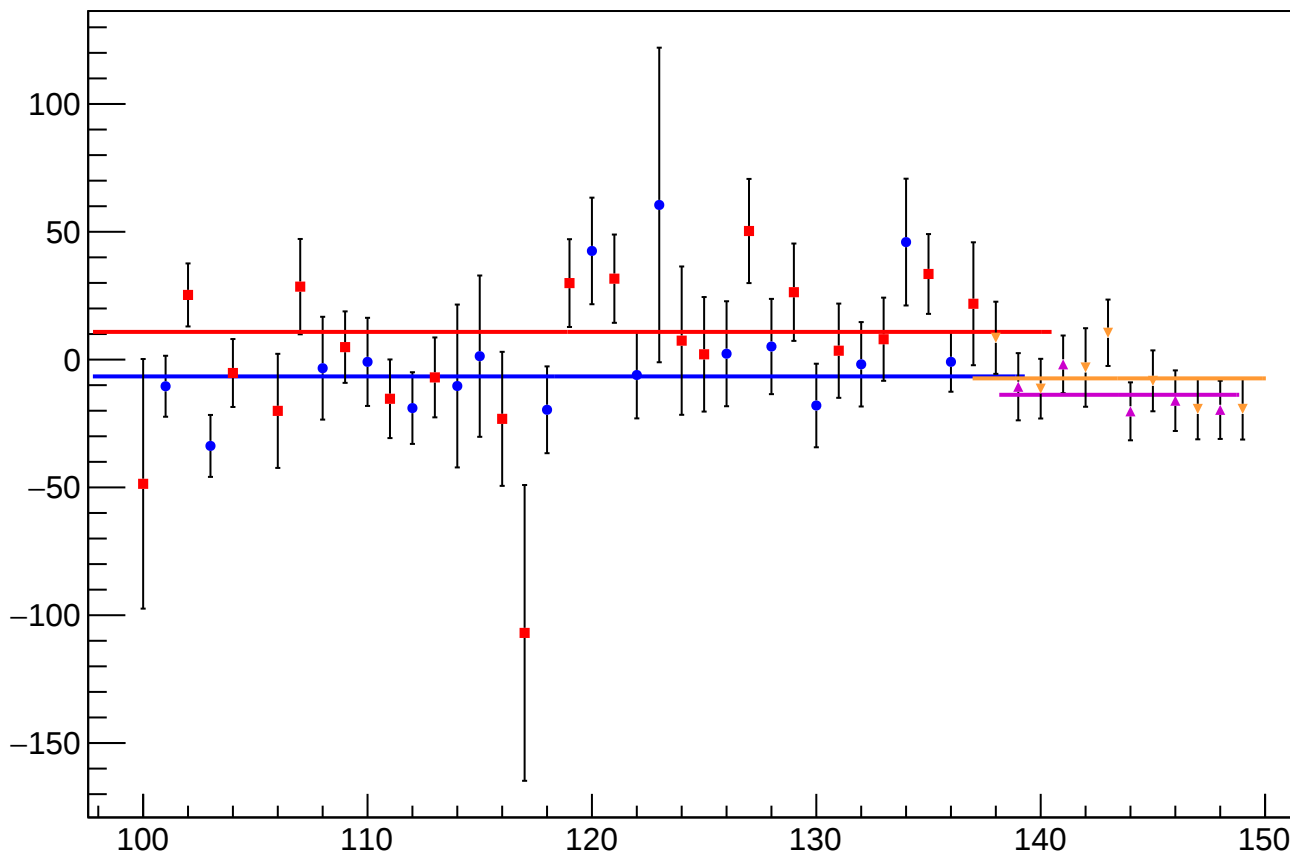
Left In: 244.623 $\pm$ 0.088 χ^2 /NDF:130490.8/4

211.898 $\pm$ 0.046 χ^2 /NDF: 1510175.2/23

200.283 $\pm$ 0.031 χ^2 /NDF: 3844218.5/48

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 χ^2/NDF : 19.3/16

Left Out: -7.346 ± 4.790 χ^2/NDF : 5.4/6

Right Out: 10.838 ± 4.070 χ^2/NDF : 27.1/19

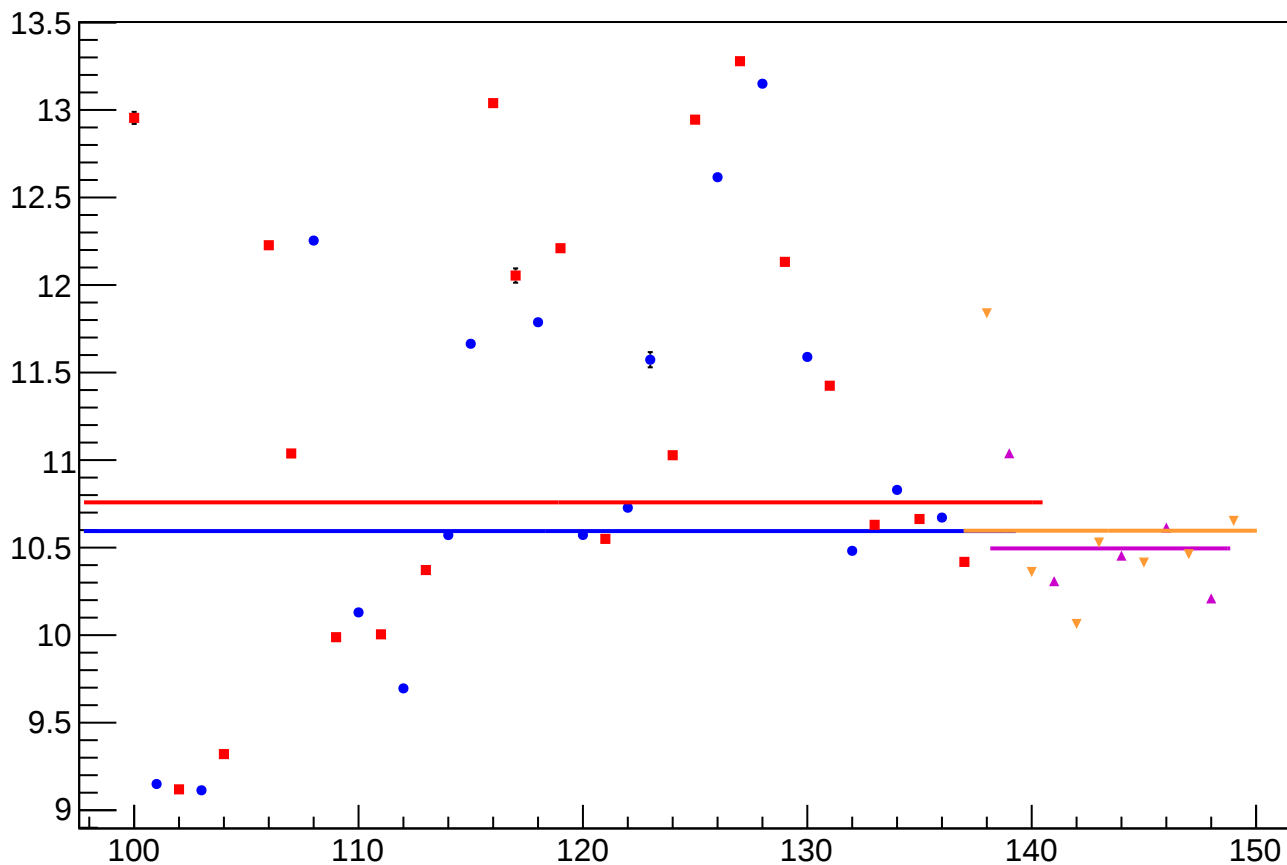
Left In: -13.770 ± 5.251 χ^2/NDF : 1.8/4

-6.906 ± 3.139 χ^2/NDF : 24.7/23

-2.755 ± 2.247 χ^2/NDF : 70.9/48

1.603 ± 3.217 χ^2/NDF : 42.6/24

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 ± 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.597 ± 0.003 χ^2/NDF : 19526.2/6

Right Out: 10.758 ± 0.003 χ^2/NDF : 178180.9/19

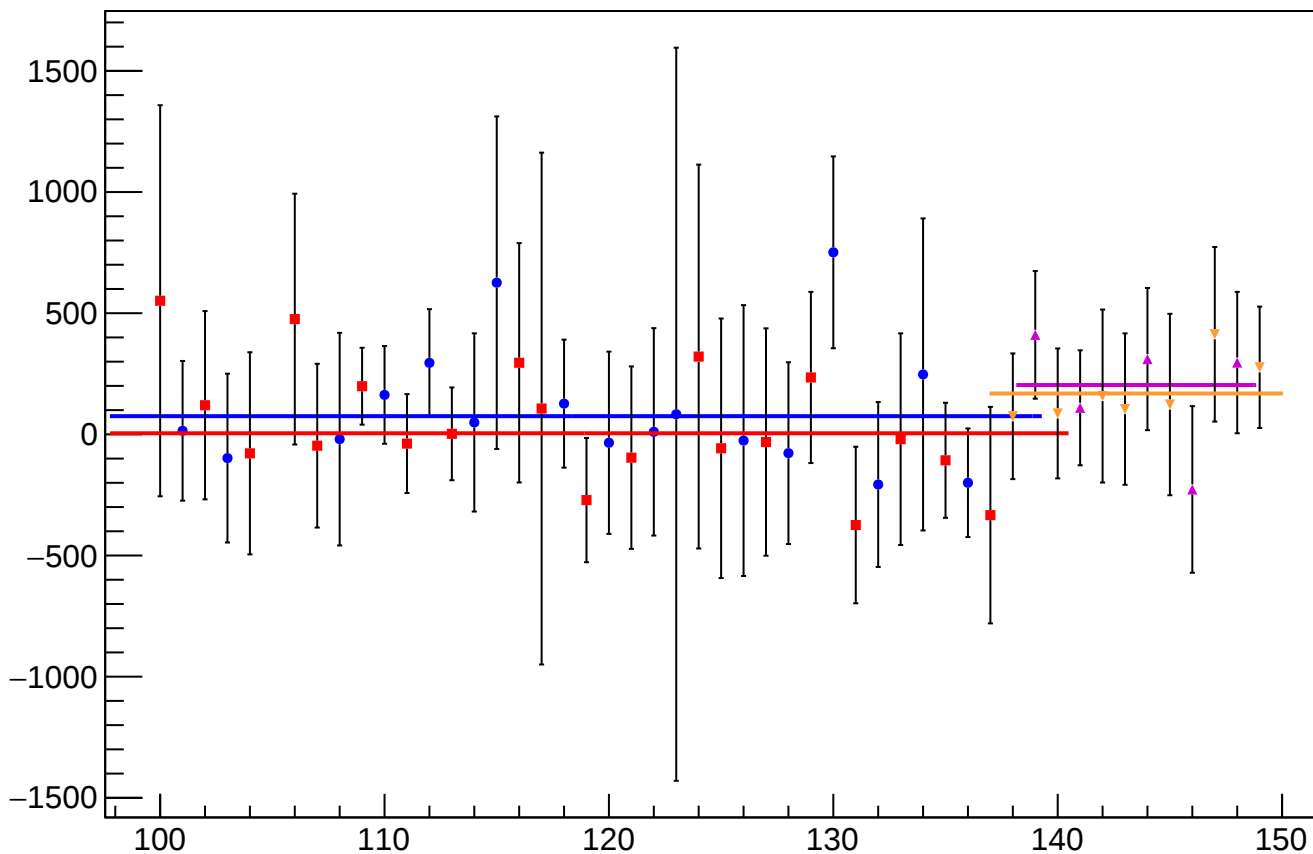
Left In: 10.495 ± 0.004 χ^2/NDF : 5458.8/4

10.595 ± 0.002 χ^2/NDF : 179585.5/23

10.627 ± 0.002 χ^2/NDF : 366771.1/48

10.660 ± 0.002 χ^2/NDF : 186775.5/24

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086 $\pm$ 80.352 χ^2/NDF : 7.7/16

Left Out: 168.601 $\pm$ 113.480 χ^2/NDF : 0.9/6

Right Out: 4.459 $\pm$ 70.724 χ^2/NDF : 7.3/19

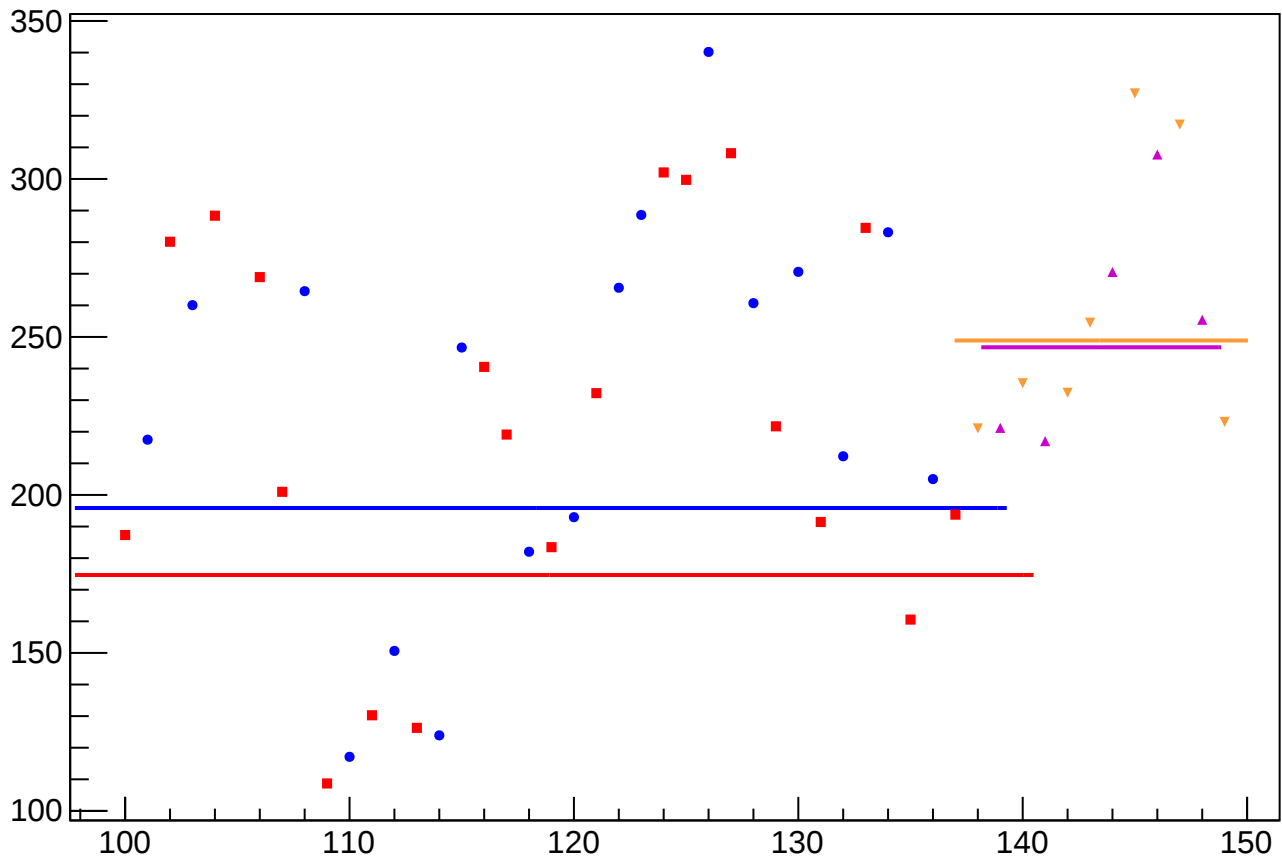
Left In: 203.619 $\pm$ 124.996 χ^2/NDF : 2.6/4

106.314 $\pm$ 65.577 χ^2/NDF : 9.1/23

77.842 $\pm$ 44.880 χ^2/NDF : 21.3/48

52.756 $\pm$ 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: 248.879 $\pm$ 0.080 χ^2 /NDF:213400.8/6

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

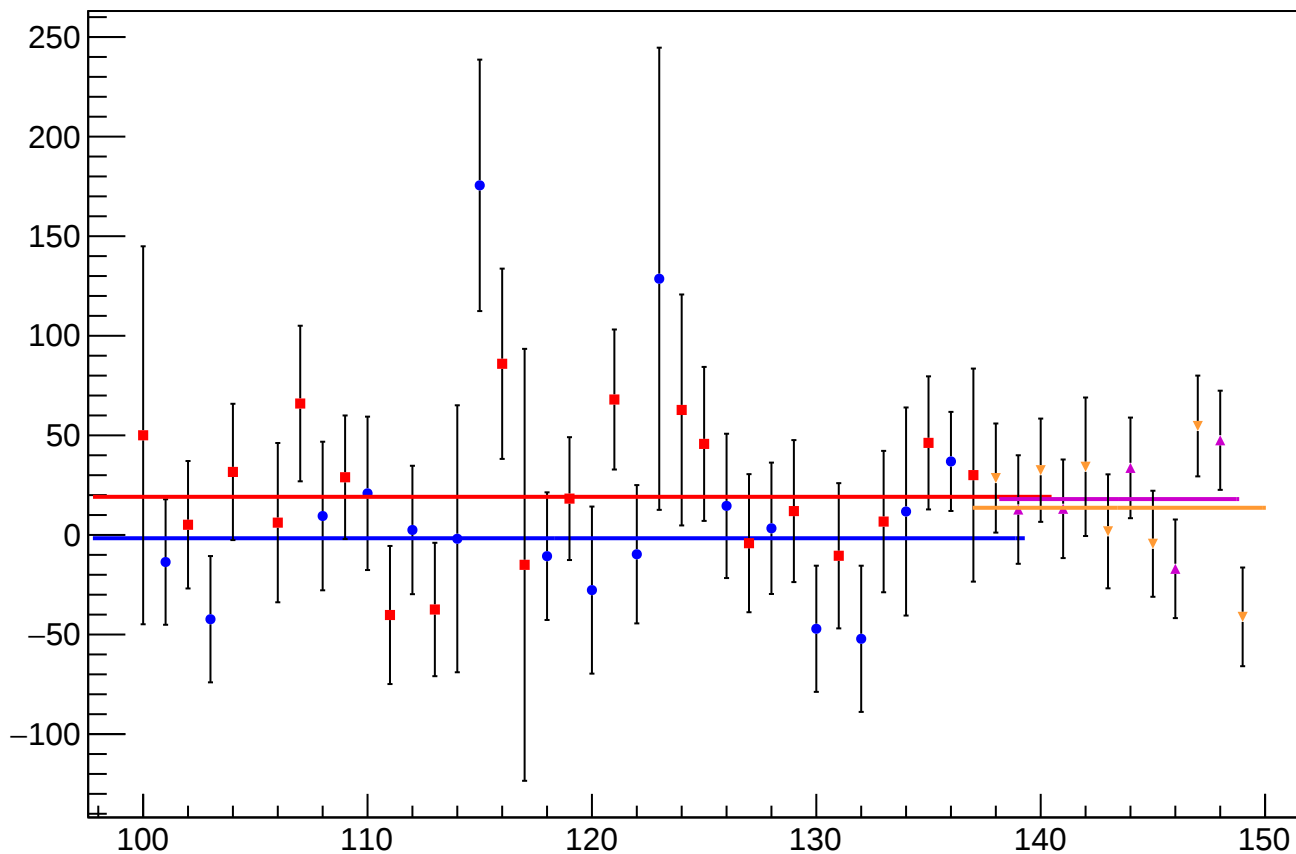
Left In: 246.729 $\pm$ 0.088 χ^2 /NDF:128103.6/4

213.571 $\pm$ 0.046 χ^2 /NDF: 1483335.2/23

202.179 $\pm$ 0.032 χ^2 /NDF: 3760878.8/48

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: 13.640 ± 10.276 χ^2/NDF : 9.3/6

Right Out: 19.145 ± 8.529 χ^2/NDF : 14.9/19

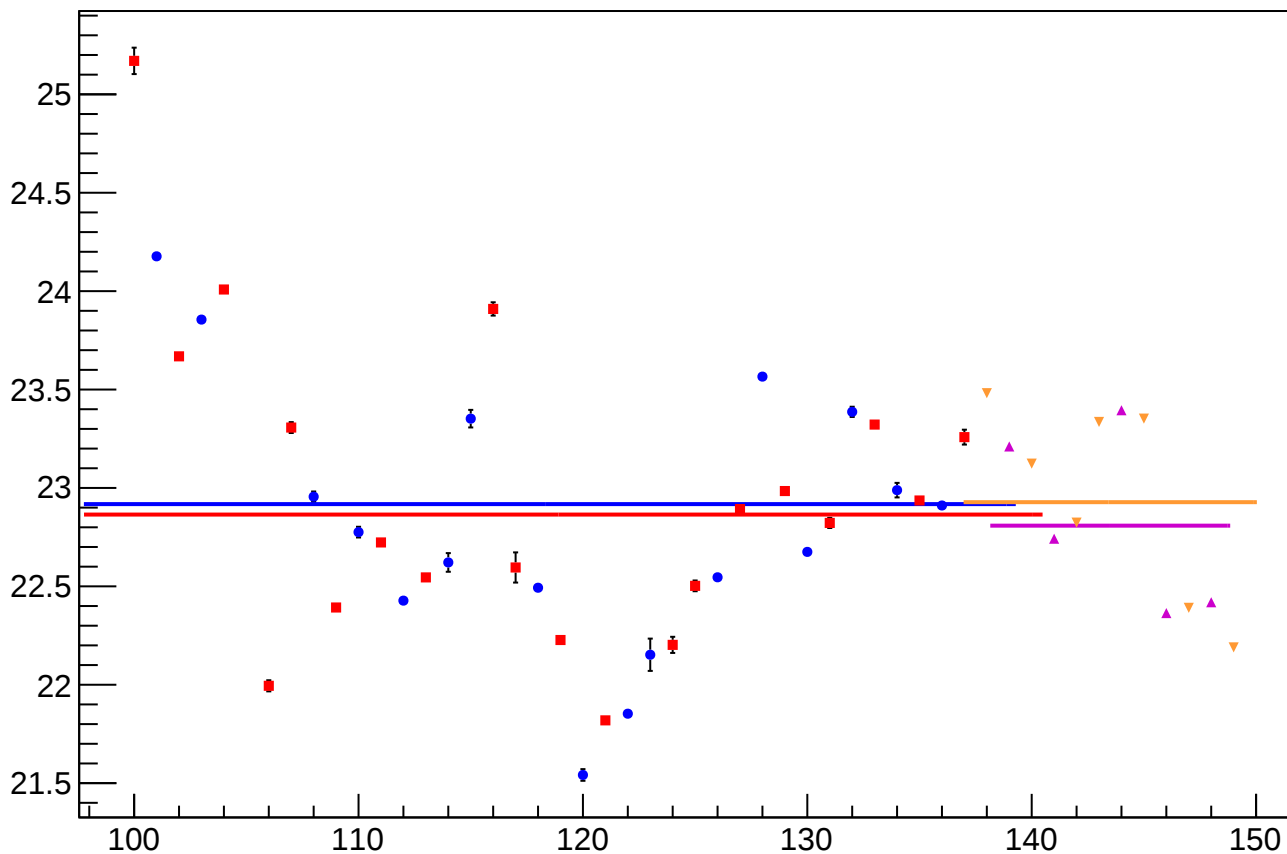
Left In: 18.012 ± 11.329 χ^2/NDF : 3.9/4

4.885 ± 6.719 χ^2/NDF : 29.1/23

11.713 ± 4.784 χ^2/NDF : 50.0/48

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+/-0.006 χ^2/NDF : 11472.2/16

Left Out: 22.928+/-0.007 χ^2/NDF : 4538.1/6

Right Out: 22.865+/-0.006 χ^2/NDF : 11064.9/19

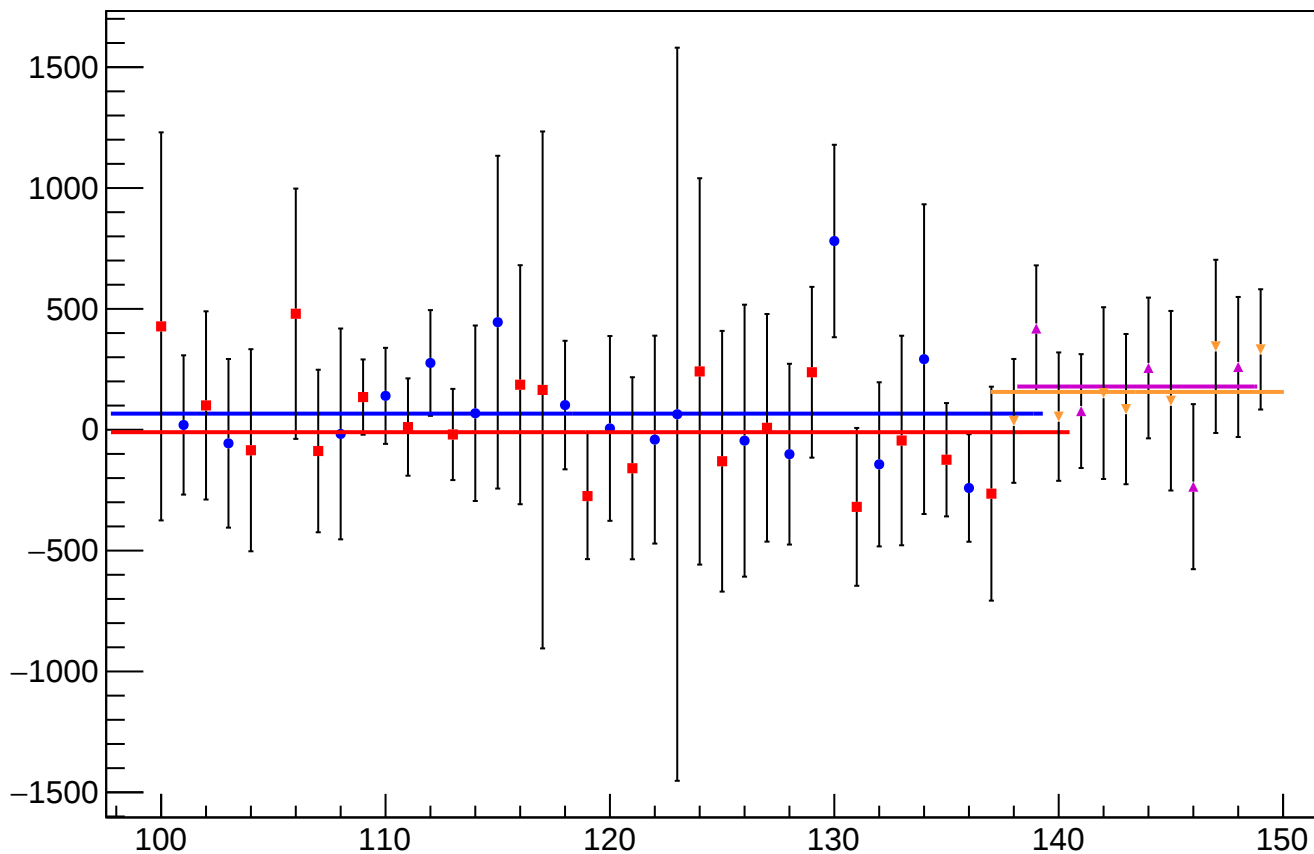
Left In: 22.808+/-0.008 χ^2/NDF : 2661.2/4

22.922+/-0.005 χ^2/NDF : 16011.4/23

22.884+/-0.003 χ^2/NDF : 29901.0/48

22.844+/-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: 156.427+/-112.590 χ^2/NDF : 1.2/6

Right Out: -10.113+/-70.234 χ^2/NDF : 5.7/19

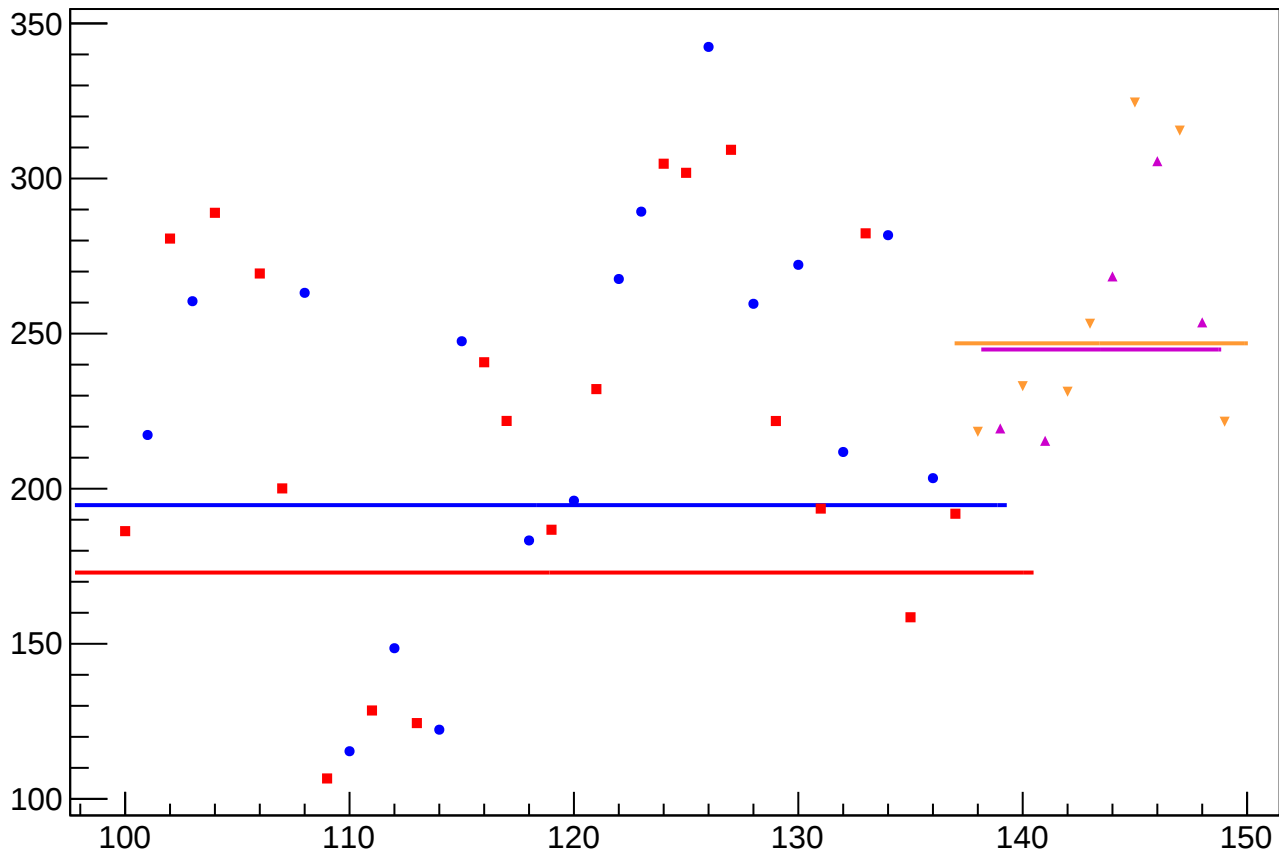
Left In: 178.757+/-124.077 χ^2/NDF : 2.6/4

96.801+/-65.211 χ^2/NDF : 9.2/23

64.285+/-44.595 χ^2/NDF : 19.8/48

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: 246.868 $\pm$ 0.080 χ^2/NDF : 216155.2/6

Right Out: 172.965 $\pm$ 0.050 χ^2/NDF : 1601142.0/19

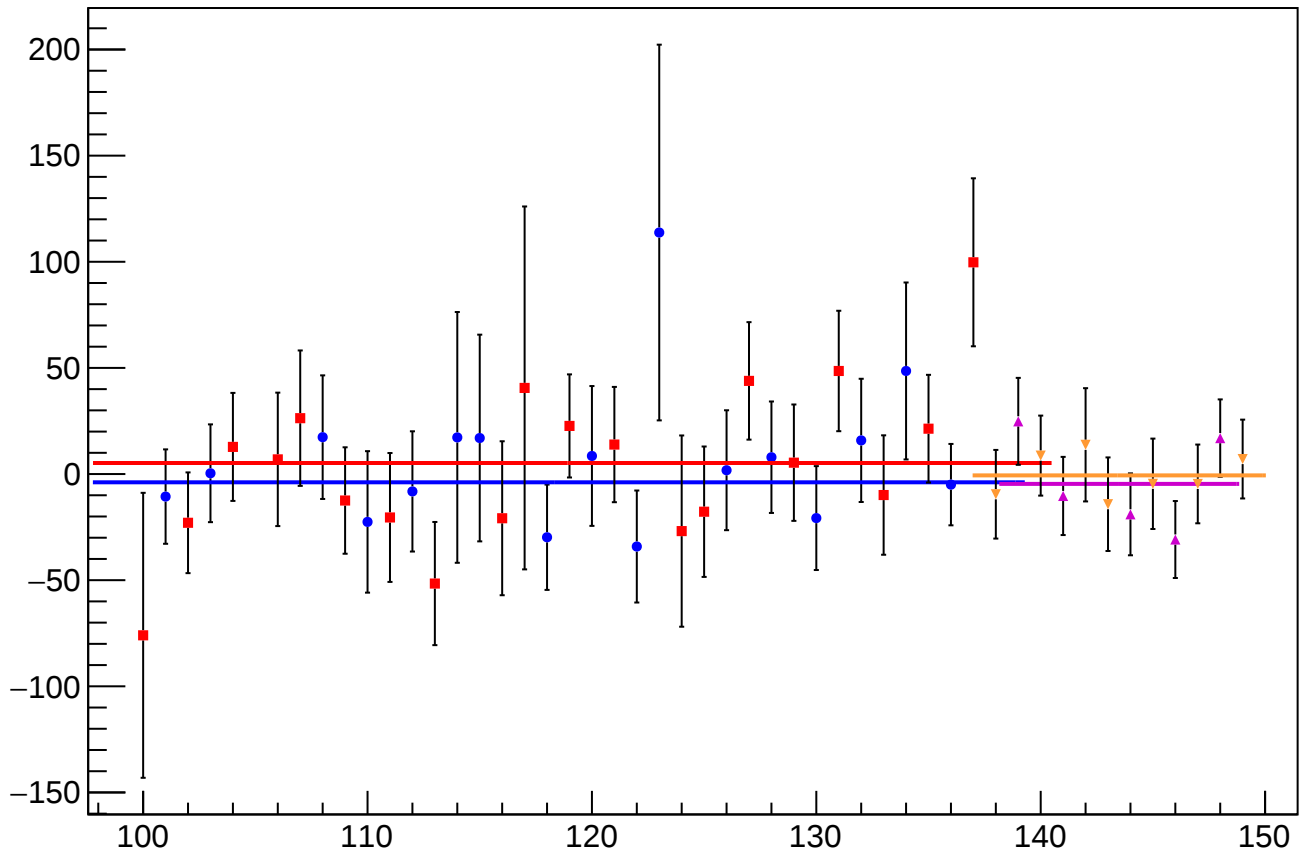
Left In: 244.875 $\pm$ 0.088 χ^2/NDF : 128391.9/4

212.202 $\pm$ 0.046 χ^2/NDF : 1521330.7/23

200.604 $\pm$ 0.032 χ^2/NDF : 3878466.4/48

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: -0.632 ± 7.765 χ^2/NDF : 1.4/6

Right Out: 5.204 ± 6.706 χ^2/NDF : 21.5/19

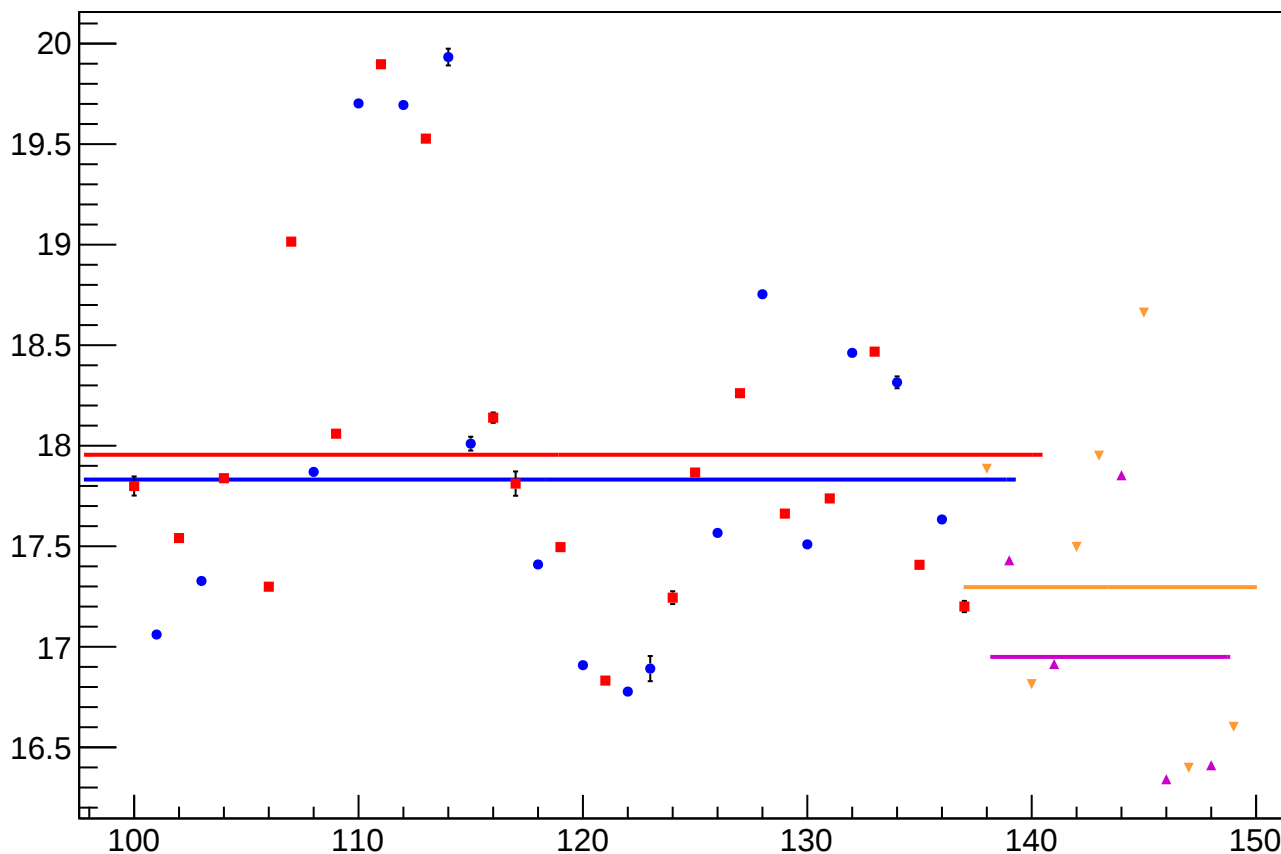
Left In: -4.640 ± 8.432 χ^2/NDF : 6.2/4

-2.451 ± 5.164 χ^2/NDF : 9.8/23

-0.562 ± 3.681 χ^2/NDF : 38.7/48

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 $\pm$ 0.005 χ^2/NDF : 30863.4/16

Left Out: 17.297 $\pm$ 0.005 χ^2/NDF : 20488.9/6

Right Out: 17.955 $\pm$ 0.005 χ^2/NDF : 25454.6/19

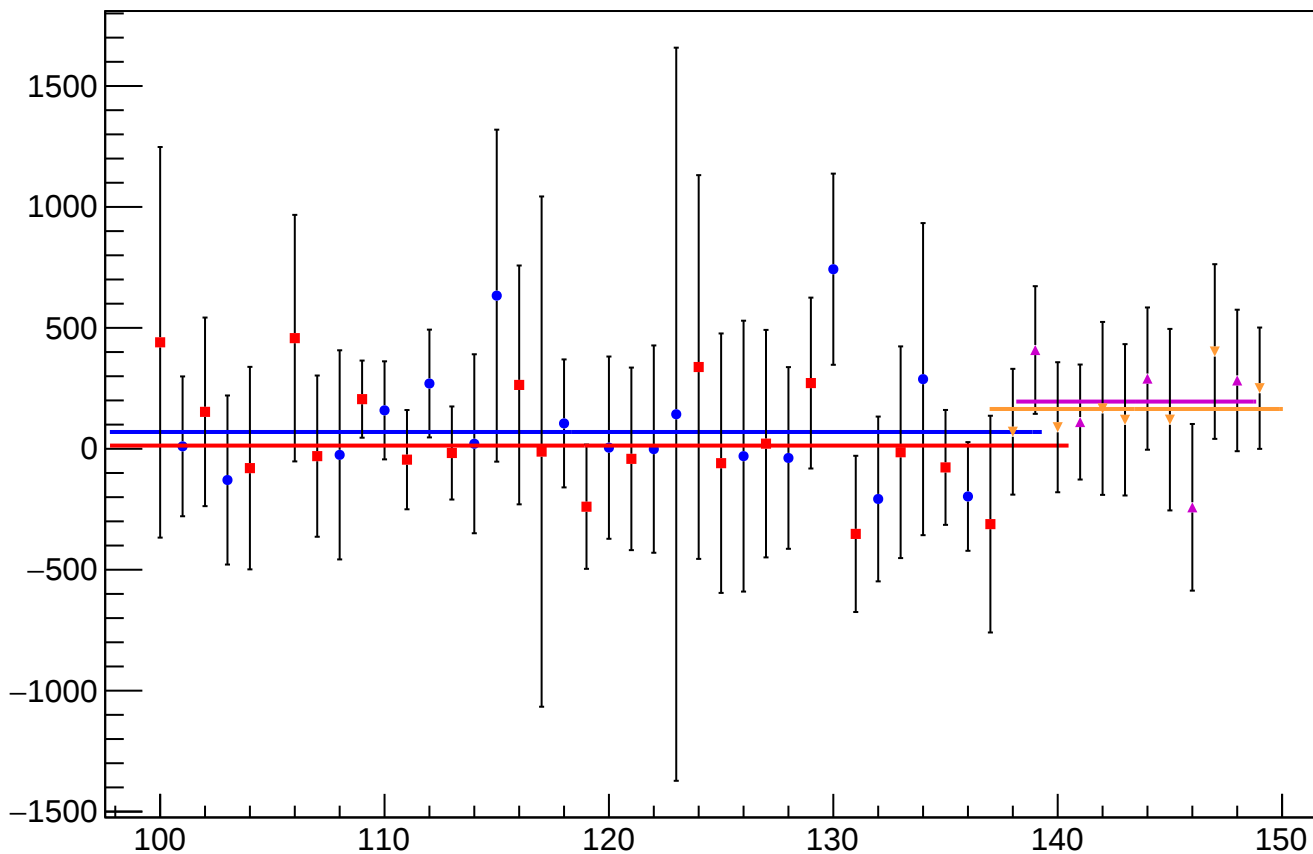
Left In: 16.950 $\pm$ 0.006 χ^2/NDF : 9490.3/4

17.595 $\pm$ 0.004 χ^2/NDF : 56647.6/23

17.581 $\pm$ 0.003 χ^2/NDF : 109043.9/48

17.566 $\pm$ 0.004 χ^2/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: 164.612 $\pm$ 113.719 χ^2 /NDF: 0.8/6

Right Out: 13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

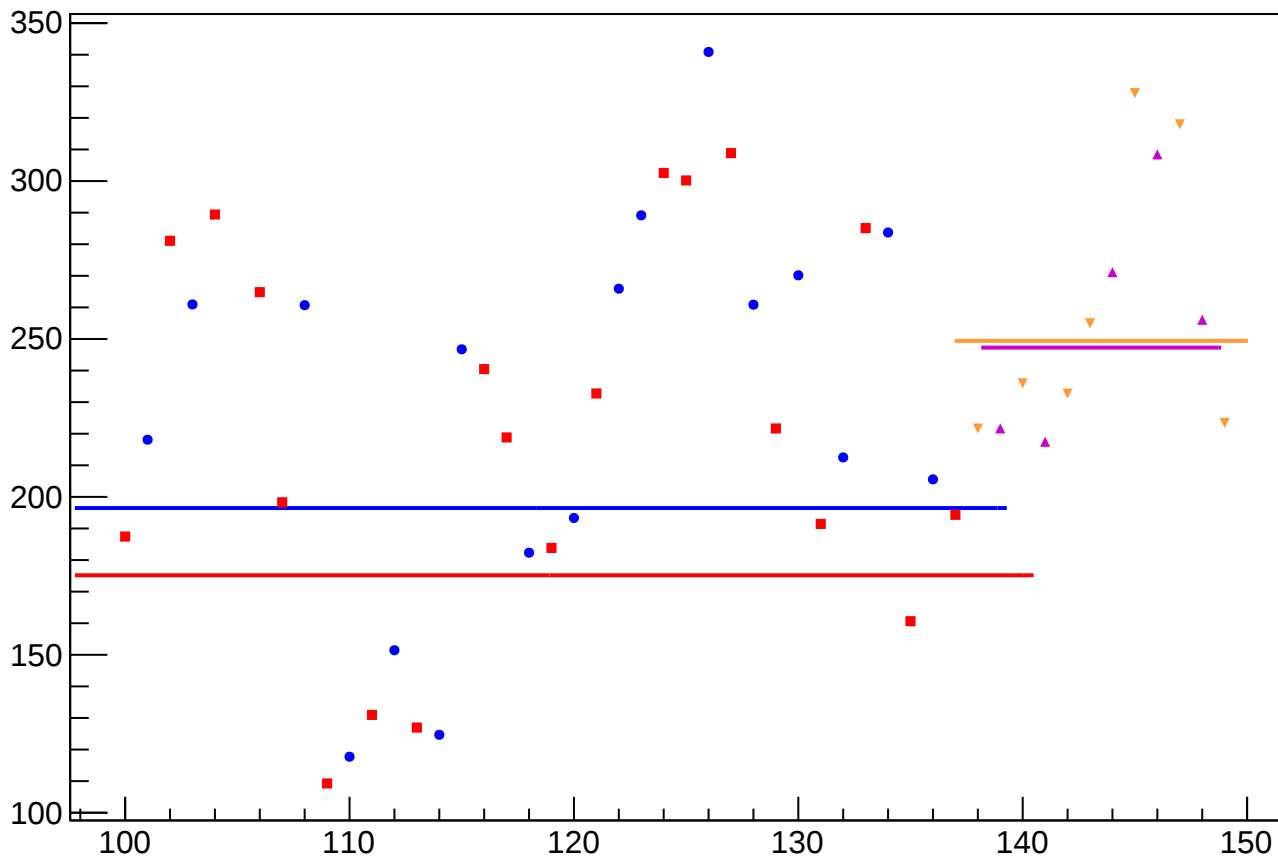
Left In: 195.249 $\pm$ 125.272 χ^2 /NDF: 2.6/4

101.284 $\pm$ 65.731 χ^2 /NDF: 8.6/23

77.963 $\pm$ 44.982 χ^2 /NDF: 19.8/48

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 $\pm$ 0.057 χ^2/NDF : 964281.5/16

Left Out: 249.400 $\pm$ 0.080 χ^2/NDF : 213700.0/6

Right Out: 175.179 $\pm$ 0.050 χ^2/NDF : 1514541.6/19

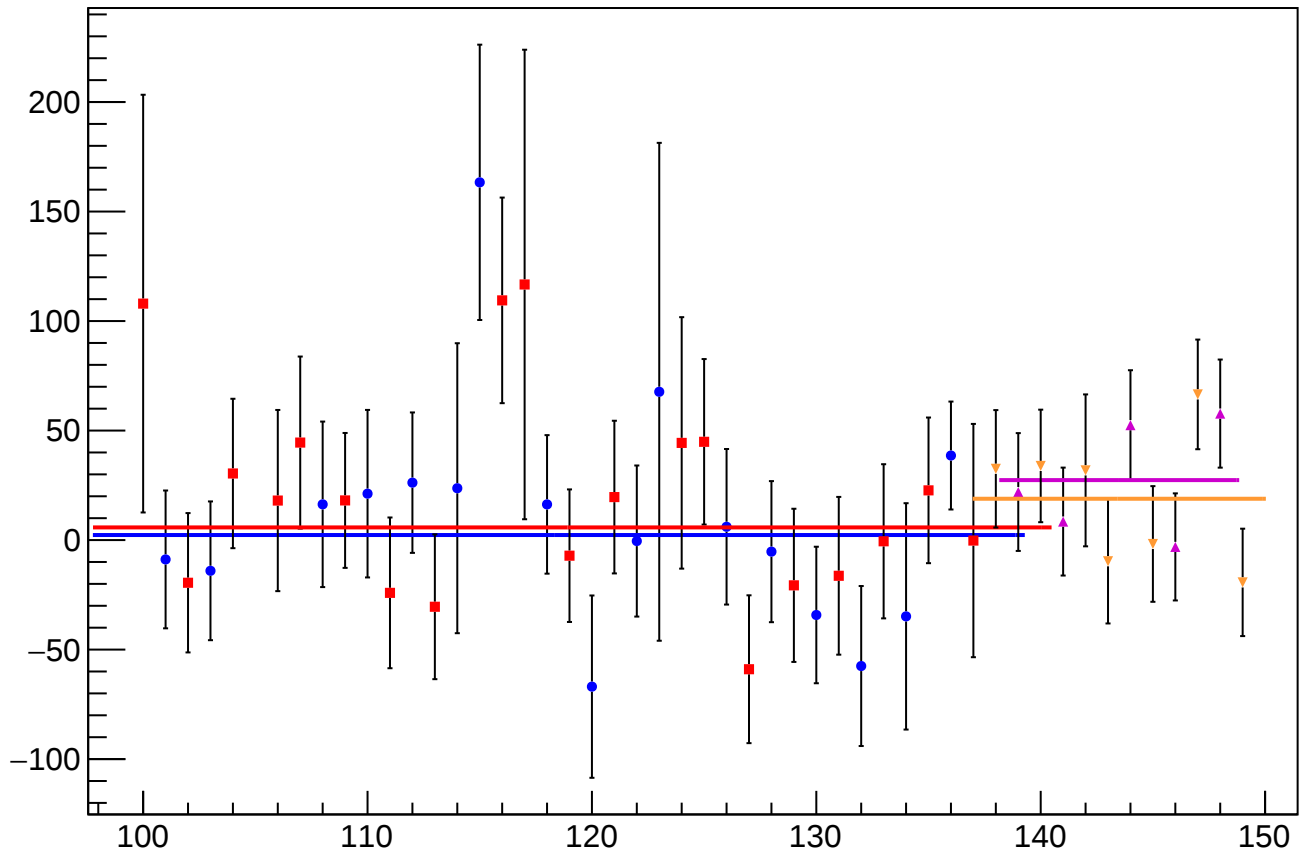
Left In: 247.273 $\pm$ 0.089 χ^2/NDF : 128336.9/4

214.154 $\pm$ 0.046 χ^2/NDF : 1466499.9/23

202.727 $\pm$ 0.032 χ^2/NDF : 3724818.8/48

192.662 $\pm$ 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: 18.869 ± 10.168 $\chi^2/\text{NDF}: 8.4/6$

Right Out: 5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

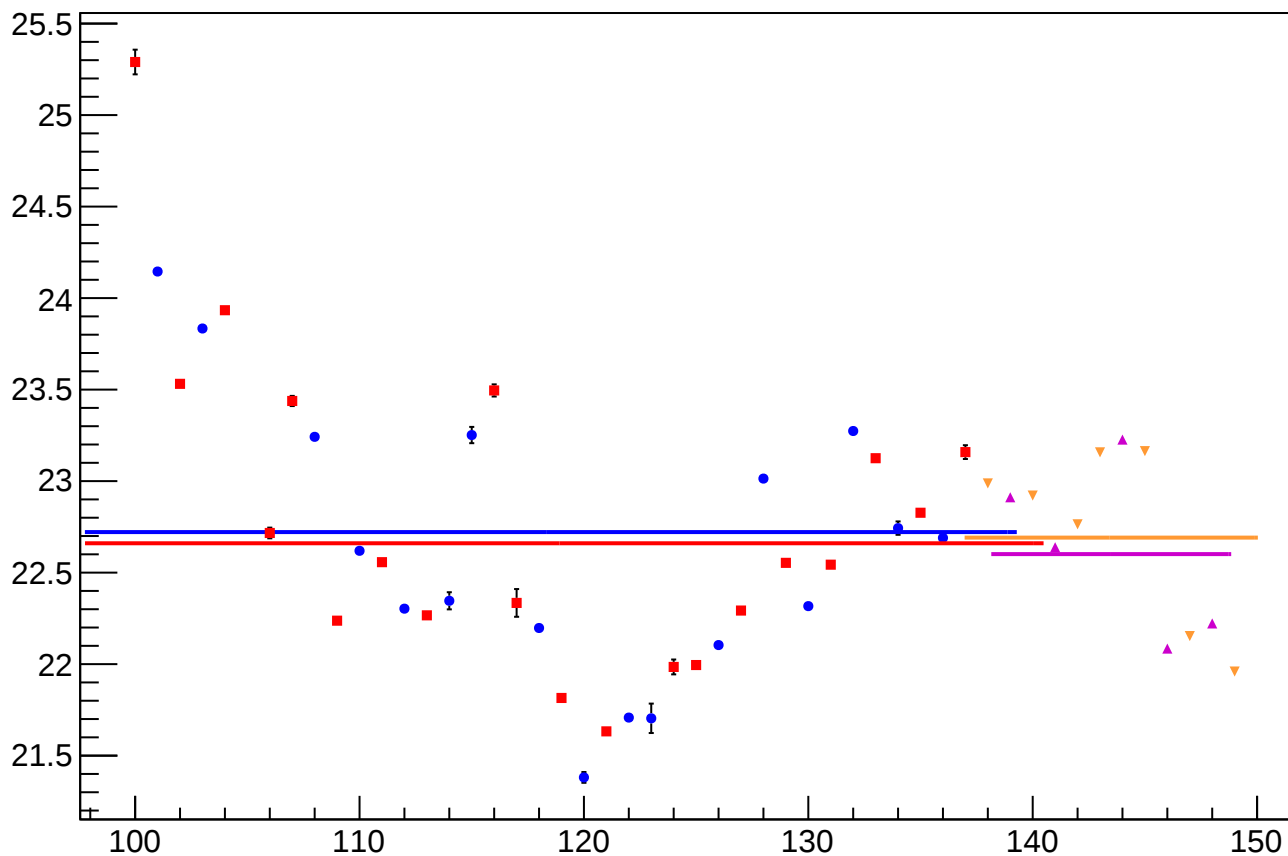
Left In: 27.383 ± 11.226 $\chi^2/\text{NDF}: 4.7/4$

9.404 ± 6.656 $\chi^2/\text{NDF}: 28.0/23$

11.471 ± 4.740 $\chi^2/\text{NDF}: 53.5/48$

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: 22.691+/-0.007 χ^2/NDF : 4297.1/6

Right Out: 22.660+/-0.006 χ^2/NDF : 12974.2/19

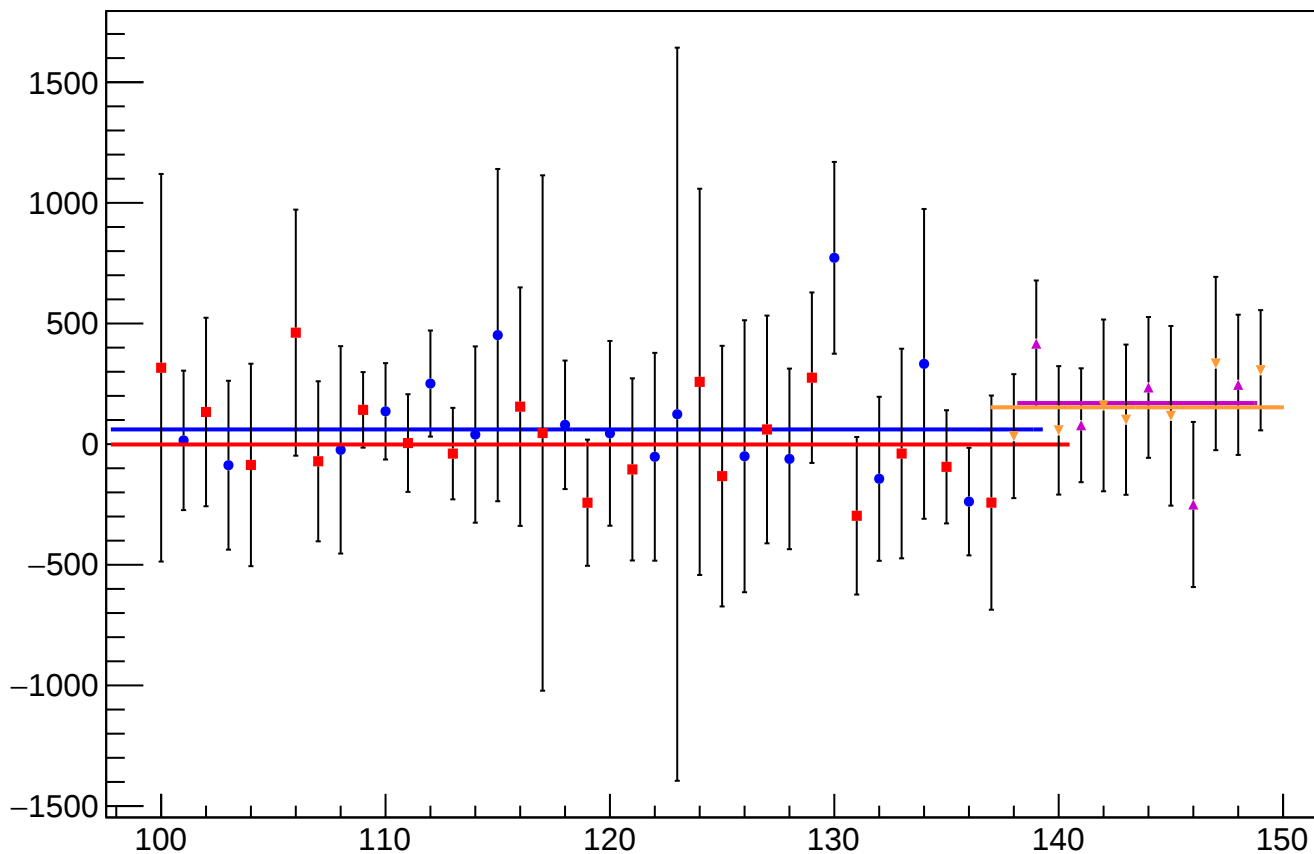
Left In: 22.601+/-0.008 χ^2/NDF : 2879.3/4

22.709+/-0.005 χ^2/NDF : 17887.8/23

22.674+/-0.003 χ^2/NDF : 33884.4/48

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: 152.668 $\pm$ 112.829 χ^2 /NDF:1.0/6

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

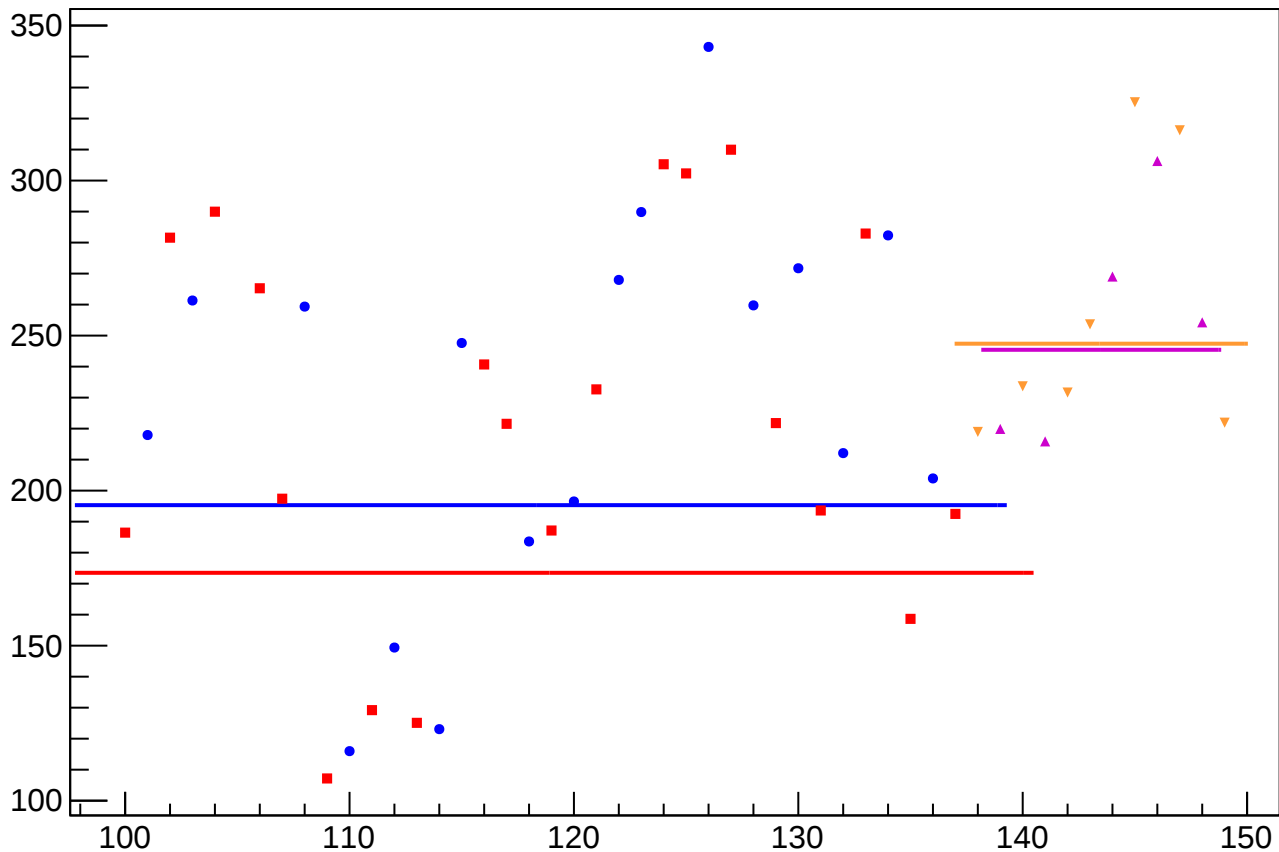
Left In: 170.380 $\pm$ 124.354 χ^2 /NDF:2.7/4

91.741 $\pm$ 65.367 χ^2 /NDF: 8.7/23

64.332 $\pm$ 44.699 χ^2 /NDF: 18.3/48

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 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 247.390 $\pm$ 0.080 χ^2 /NDF:216435.7/6

Right Out: 173.495 $\pm$ 0.050 χ^2 /NDF: 1582449.6/19

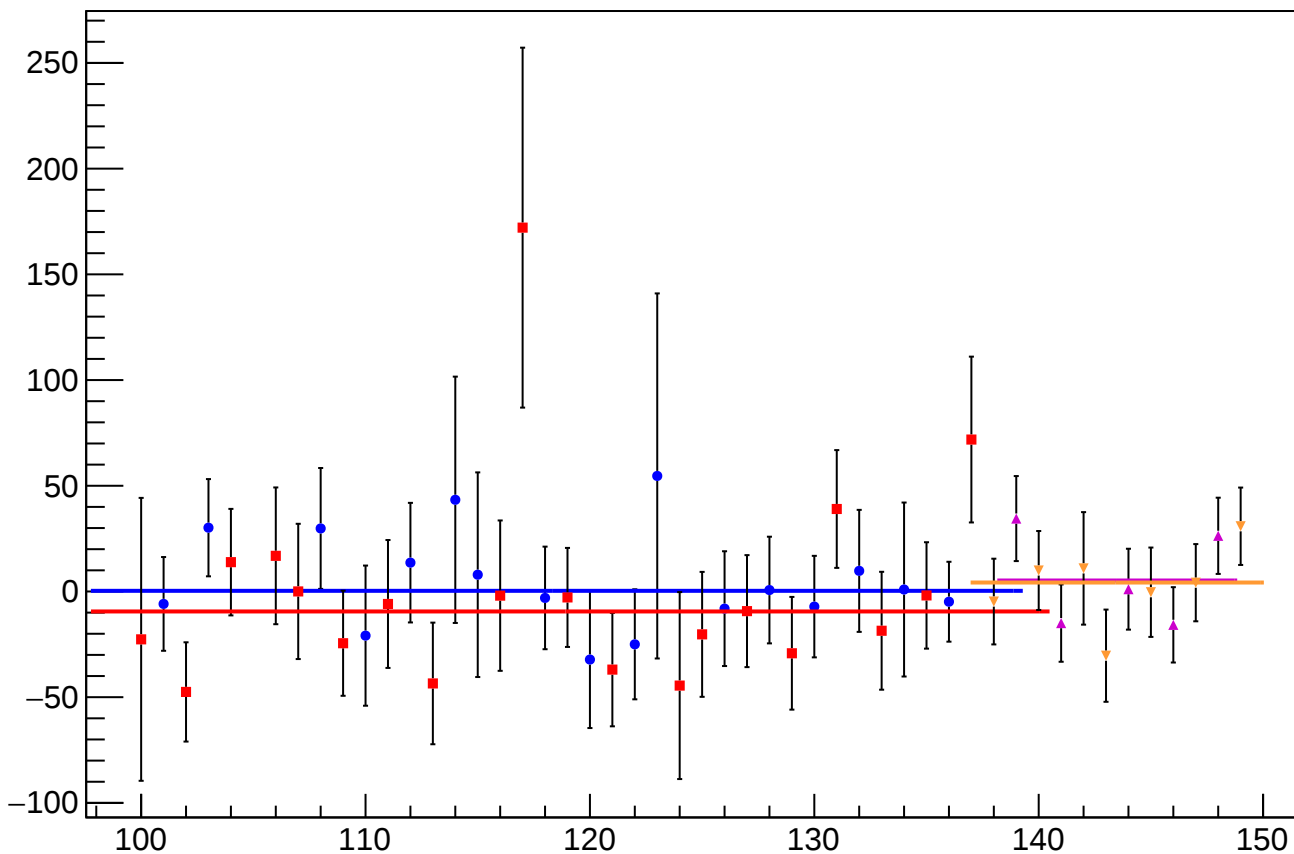
Left In: 245.421 $\pm$ 0.088 χ^2 /NDF:128617.8/4

212.794 $\pm$ 0.046 χ^2 /NDF: 1503675.7/23

201.164 $\pm$ 0.032 χ^2 /NDF: 3840357.7/48

190.950 $\pm$ 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 $\pm$ 6.812 χ^2 /NDF: 6.8/16

Left Out: 4.234 $\pm$ 7.661 χ^2 /NDF: 5.0/6

Right Out: -9.452 $\pm$ 6.608 χ^2 /NDF: 20.6/19

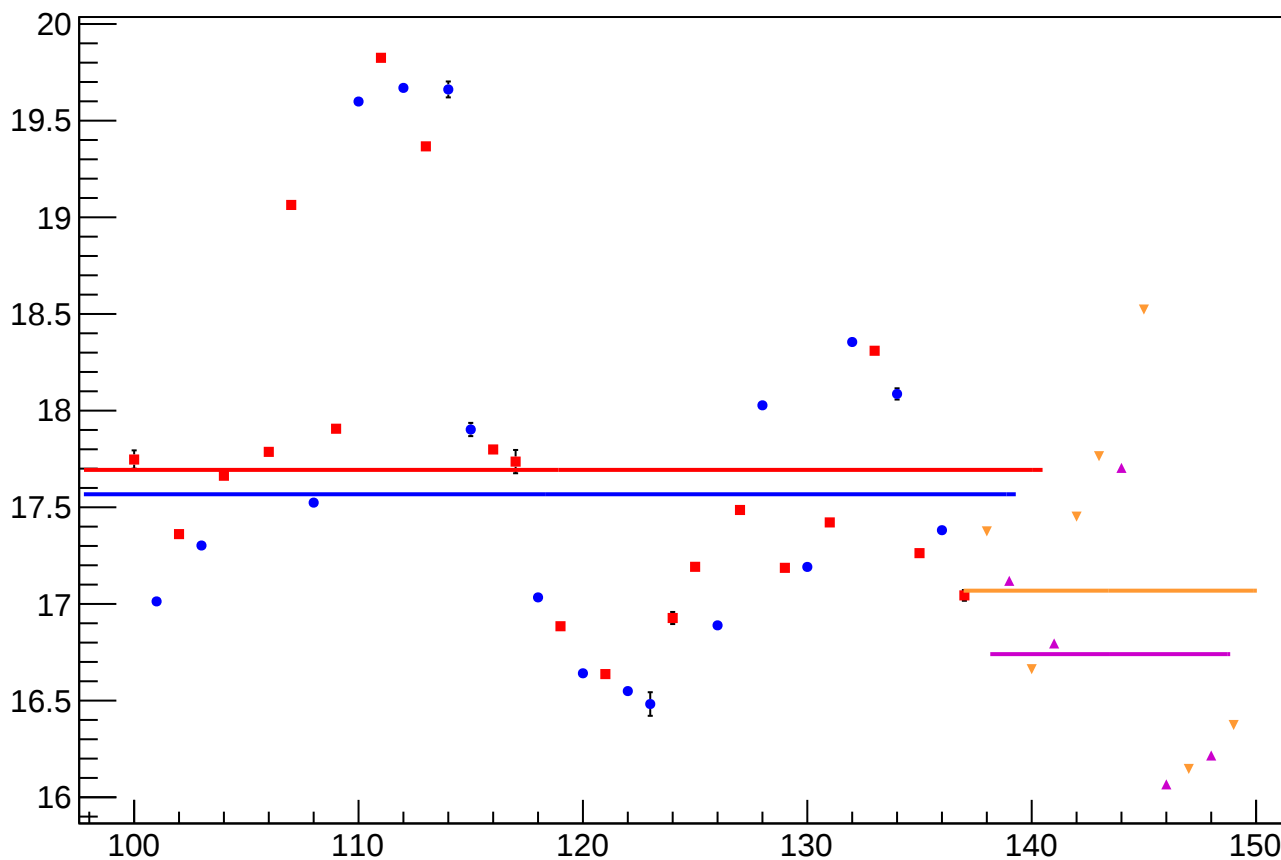
Left In: 5.185 $\pm$ 8.326 χ^2 /NDF: 6.1/4

2.040 $\pm$ 5.091 χ^2 /NDF: 12.0/23

-0.829 $\pm$ 3.629 χ^2 /NDF: 41.3/48

-3.796 $\pm$ 5.176 χ^2 /NDF: 28.7/24

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 17.069 $\pm$ 0.005 χ^2 /NDF:21307.6/6

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.6/19

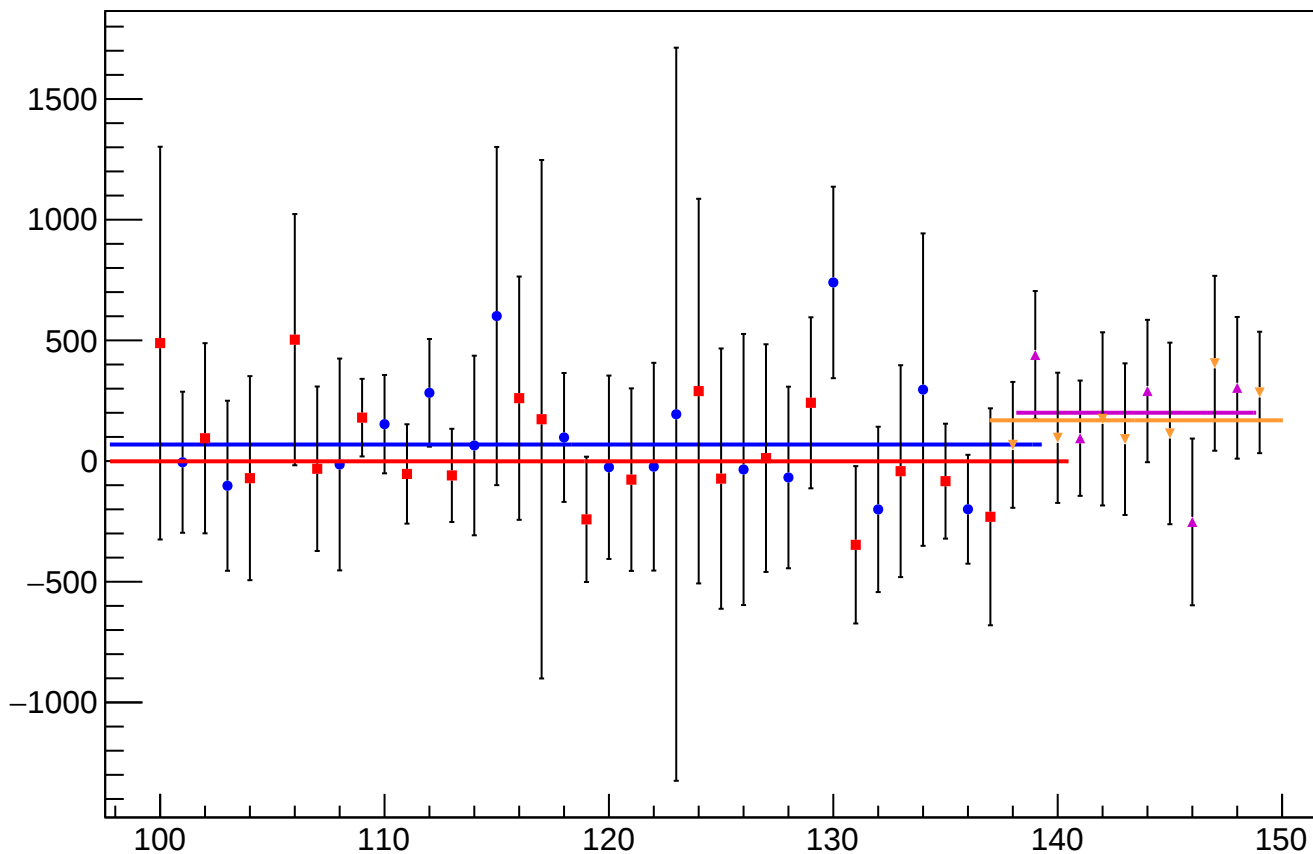
Left In: 16.740 $\pm$ 0.006 χ^2 /NDF:10353.6/4

17.347 $\pm$ 0.004 χ^2 /NDF: 59184.7/23

17.336 $\pm$ 0.003 χ^2 /NDF: 116401.4/48

17.325 $\pm$ 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 ± 81.018 $\chi^2/\text{NDF}: 7.3/16$

Left Out: 168.876 ± 114.081 $\chi^2/\text{NDF}: 0.9/6$

Right Out: -1.057 ± 71.380 $\chi^2/\text{NDF}: 6.1/19$

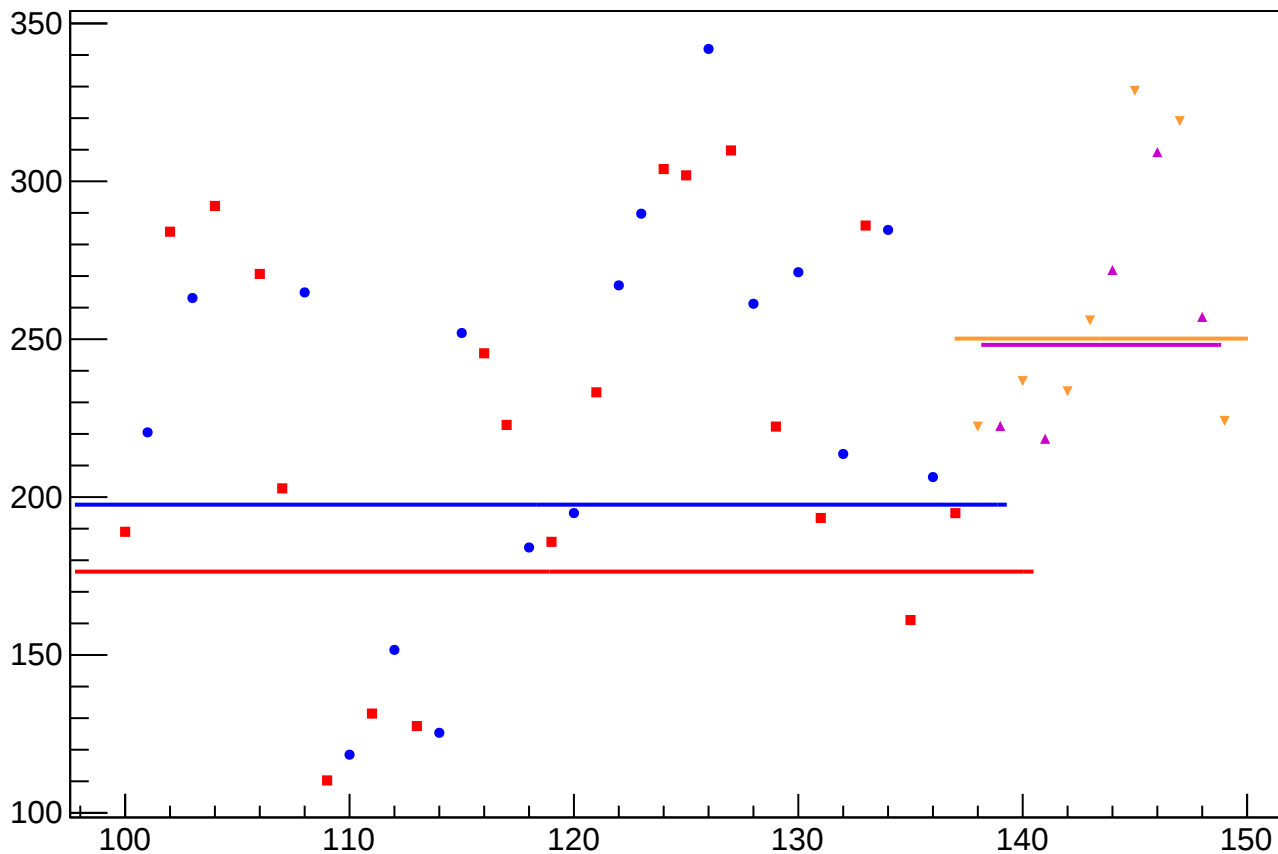
Left In: 200.270 ± 125.728 $\chi^2/\text{NDF}: 2.9/4$

102.188 ± 66.055 $\chi^2/\text{NDF}: 8.8/23$

73.421 ± 45.235 $\chi^2/\text{NDF}: 20.2/48$

48.017 ± 62.074 $\chi^2/\text{NDF}: 11.0/24$

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: 250.195 $\pm$ 0.081 χ^2 /NDF:213610.8/6

Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

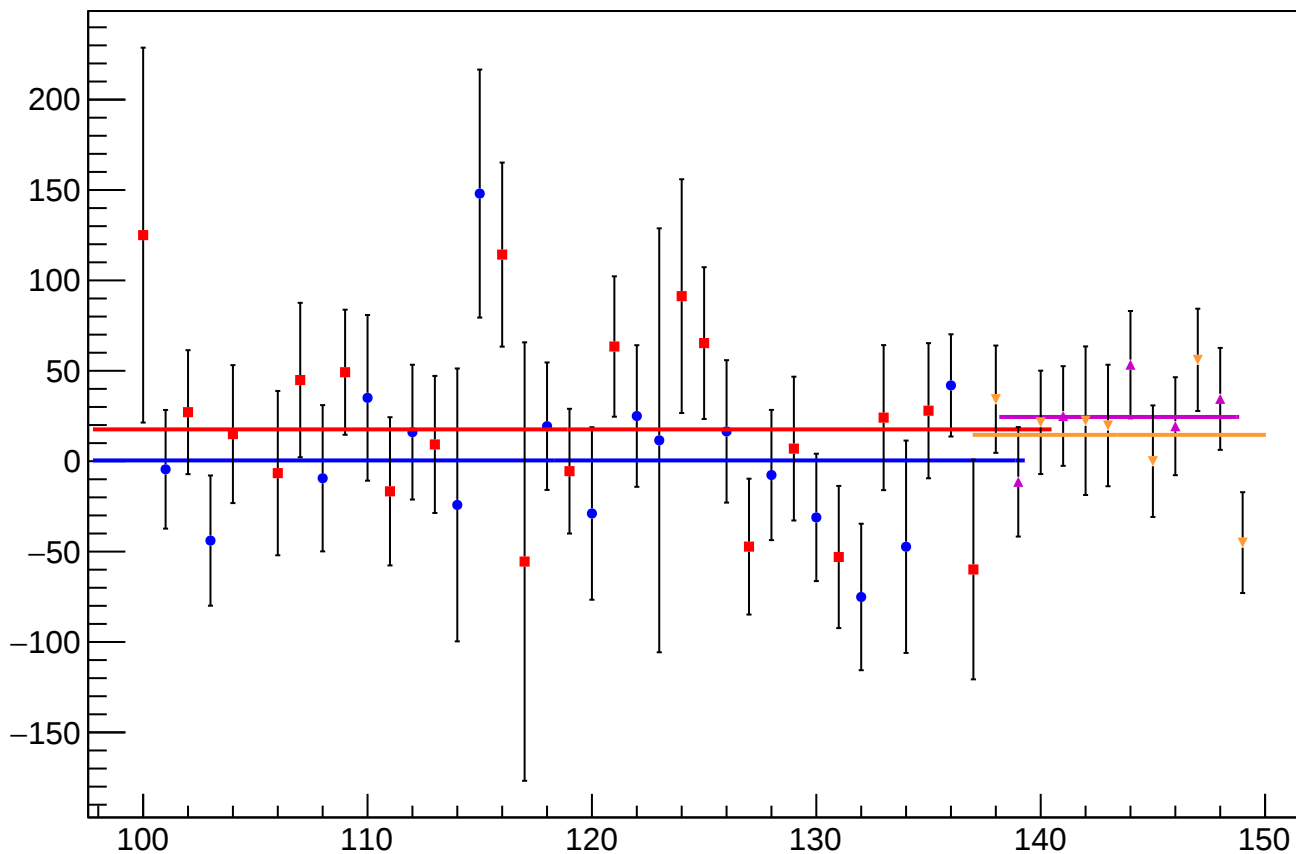
Left In: 248.204 $\pm$ 0.089 χ^2 /NDF:127044.5/4

215.236 $\pm$ 0.047 χ^2 /NDF: 1464979.3/23

203.910 $\pm$ 0.032 χ^2 /NDF: 3719548.0/48

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: 14.568 ± 11.607 $\chi^2/\text{NDF}: 7.5/6$

Right Out: 17.595 ± 9.470 $\chi^2/\text{NDF}: 19.8/19$

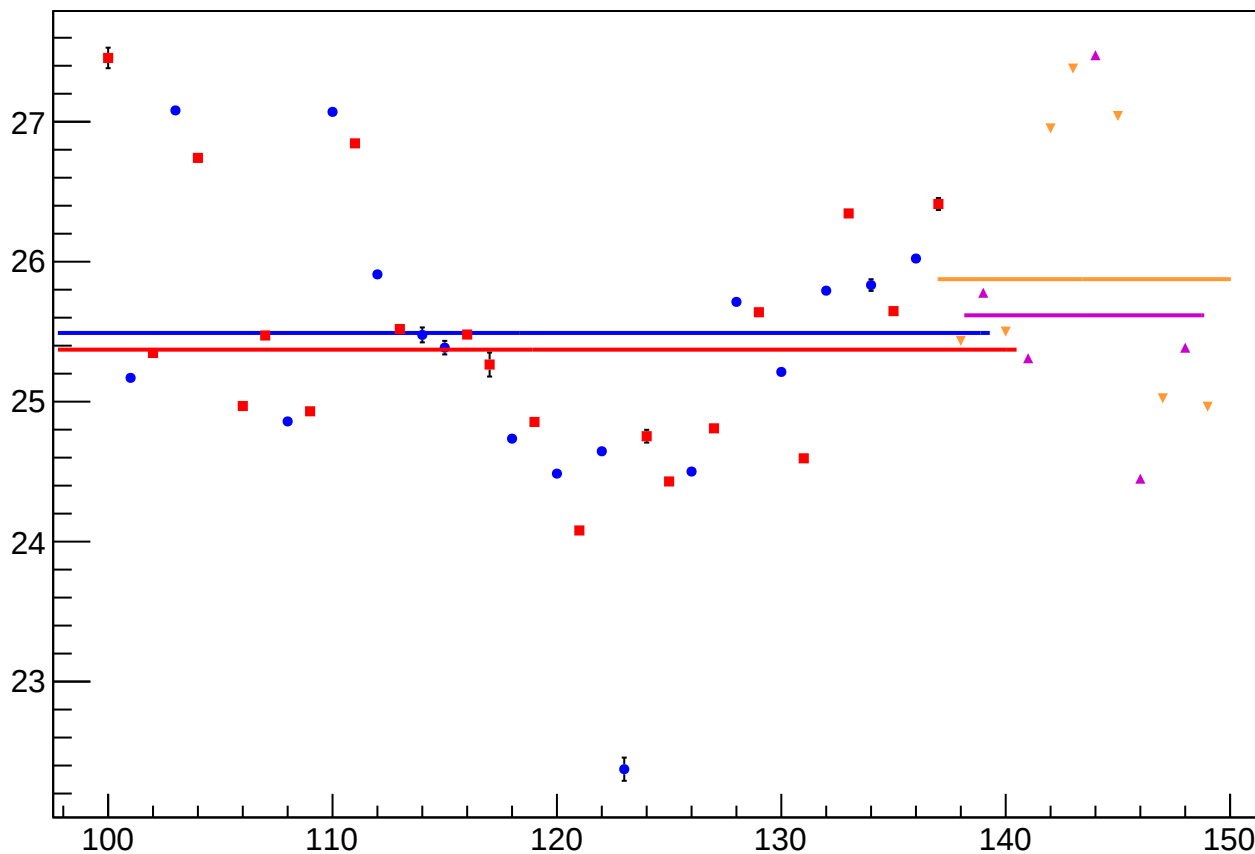
Left In: 24.466 ± 12.741 $\chi^2/\text{NDF}: 2.5/4$

6.371 ± 7.525 $\chi^2/\text{NDF}: 23.8/23$

13.138 ± 5.348 $\chi^2/\text{NDF}: 48.0/48$

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: 25.875 $\pm$ 0.008 χ^2 /NDF:12971.8/6

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

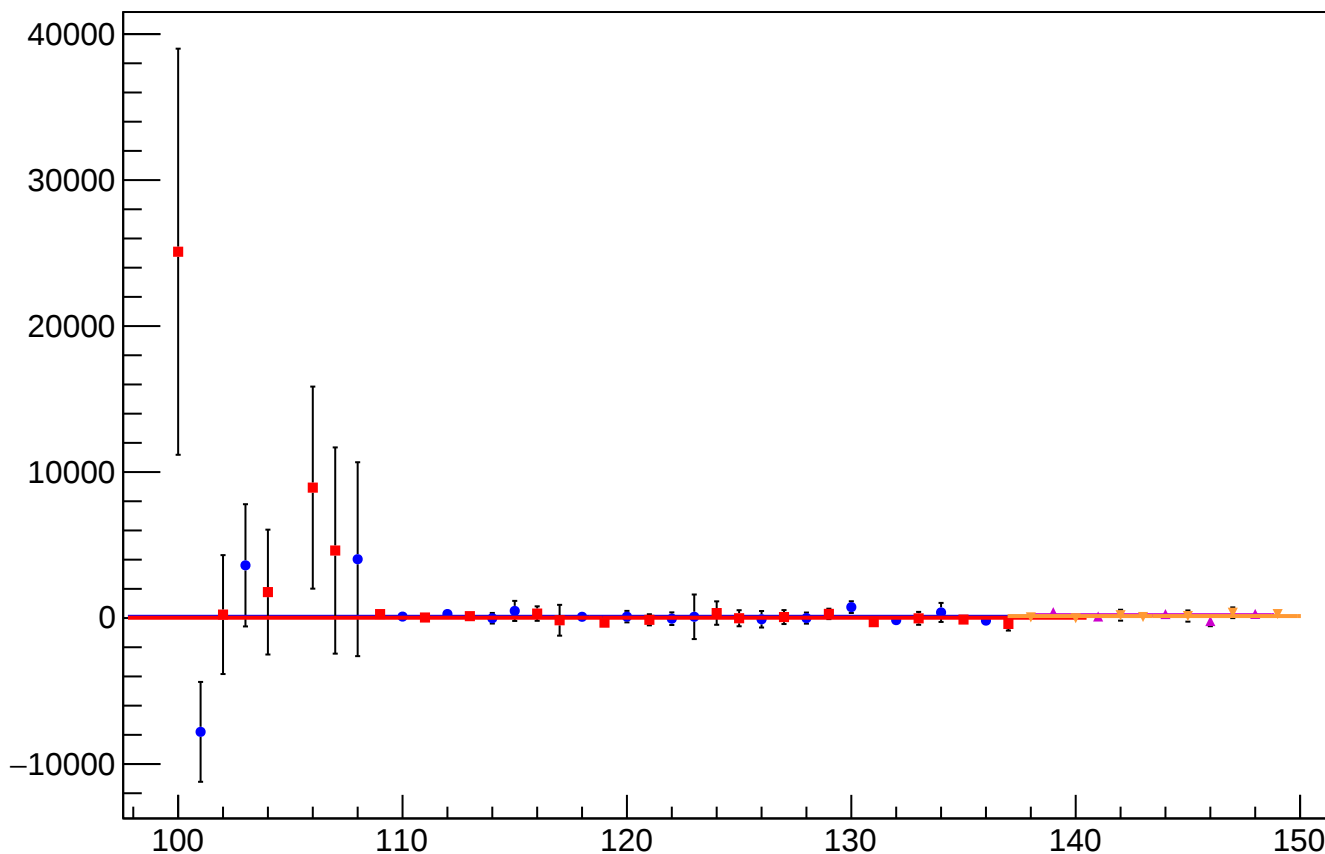
Left In: 25.617 $\pm$ 0.009 χ^2 /NDF:11984.4/4

25.652 $\pm$ 0.005 χ^2 /NDF: 27955.7/23

25.557 $\pm$ 0.004 χ^2 /NDF: 54624.9/48

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: 135.992+/-115.550 χ^2/NDF : 1.2/6

Right Out: 22.332+/-80.711 χ^2/NDF : 11.9/19

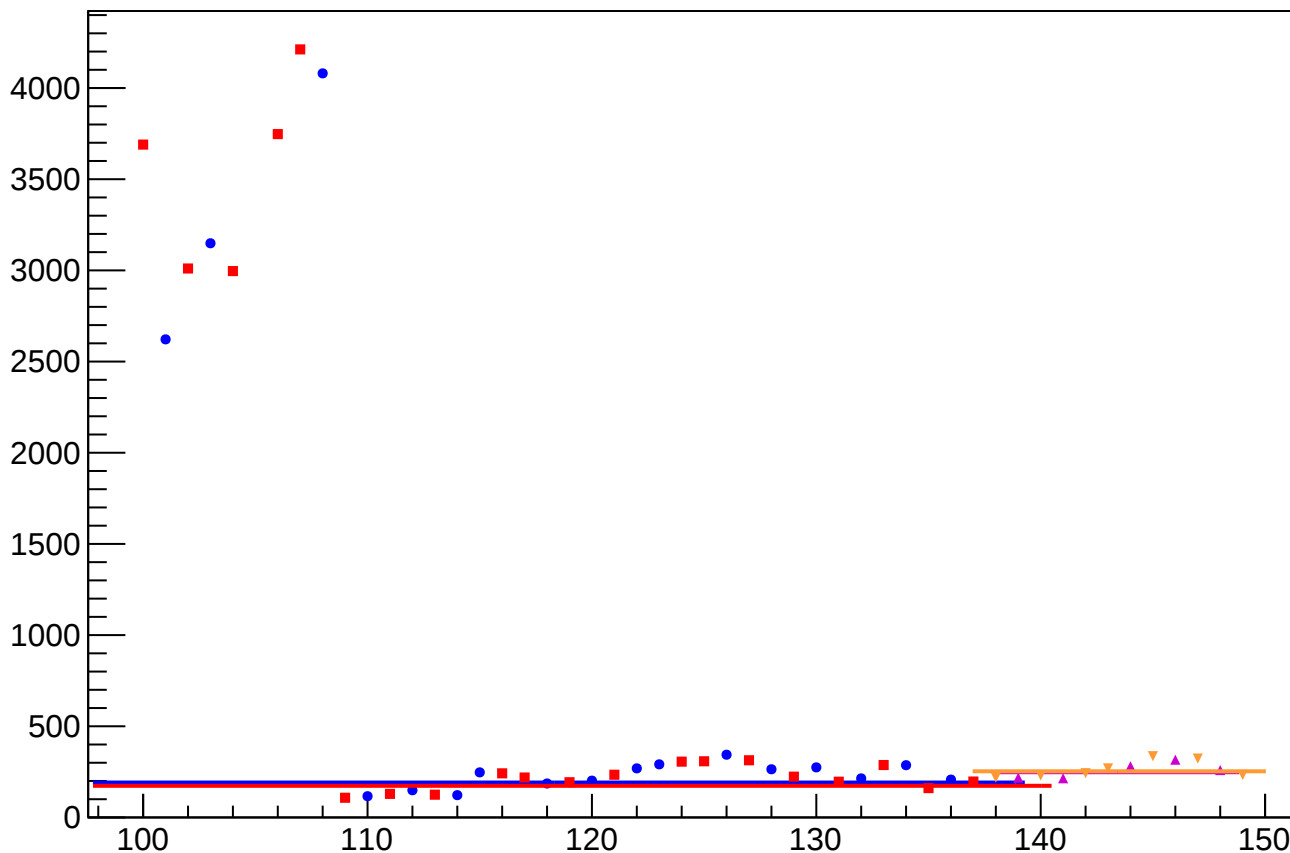
Left In: 197.611+/-125.985 χ^2/NDF : 2.2/4

104.815+/-70.222 χ^2/NDF : 13.8/23

88.561+/-48.835 χ^2/NDF : 29.4/48

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: 253.105+/-0.082 χ^2/NDF : 235164.0/6

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

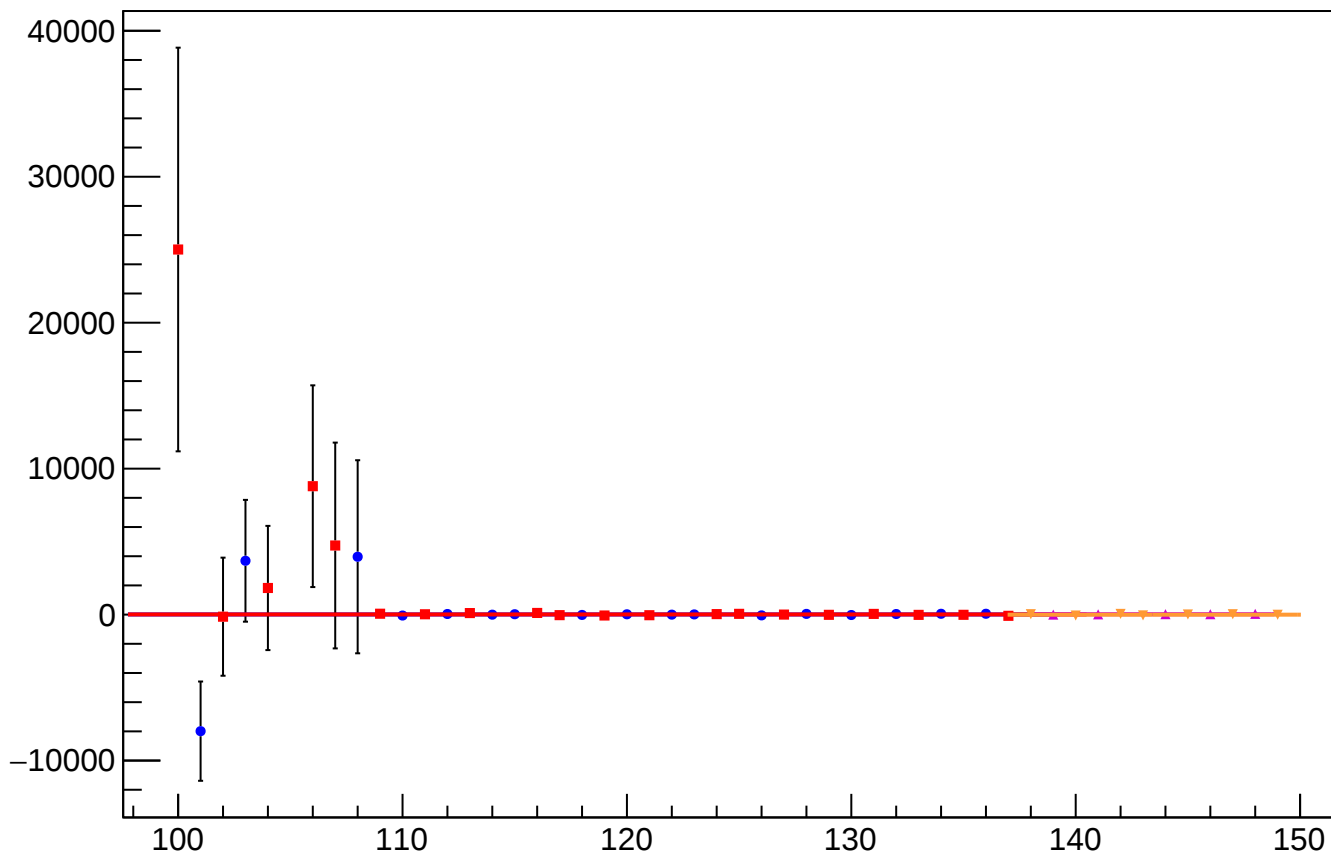
Left In: 248.024+/-0.089 χ^2/NDF : 168066.9/4

214.238+/-0.050 χ^2/NDF : 4167109.5/23

204.424+/-0.035 χ^2/NDF : 9117297.6/48

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: -4.674+/-13.601 χ^2/NDF : 7.9/6

Right Out: 12.296+/-12.186 χ^2/NDF : 24.9/19

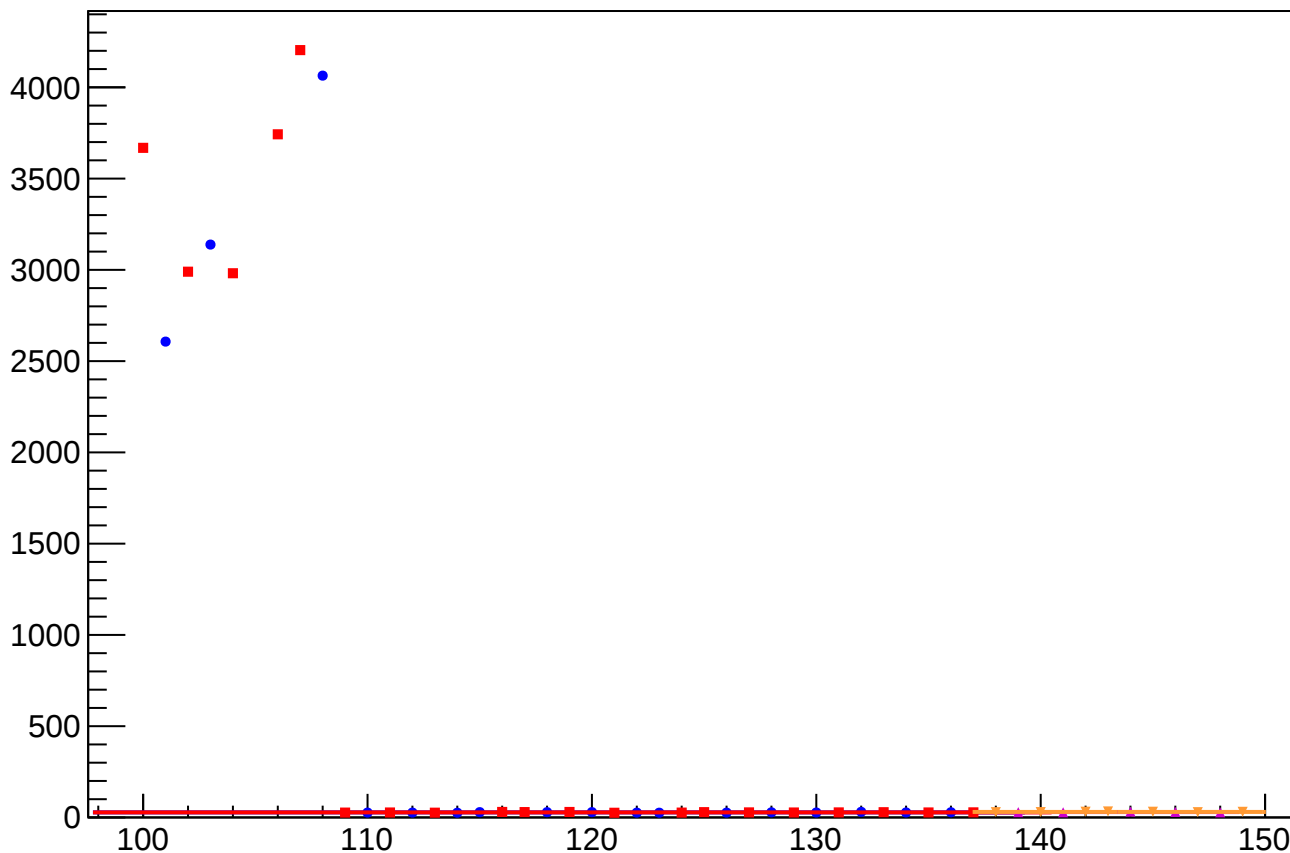
Left In: 26.426+/-14.702 χ^2/NDF : 1.3/4

3.566+/-9.115 χ^2/NDF : 26.9/23

10.600+/-6.538 χ^2/NDF : 54.9/48

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: 30.249+/-0.010 χ^2/NDF :20021.6/6

Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

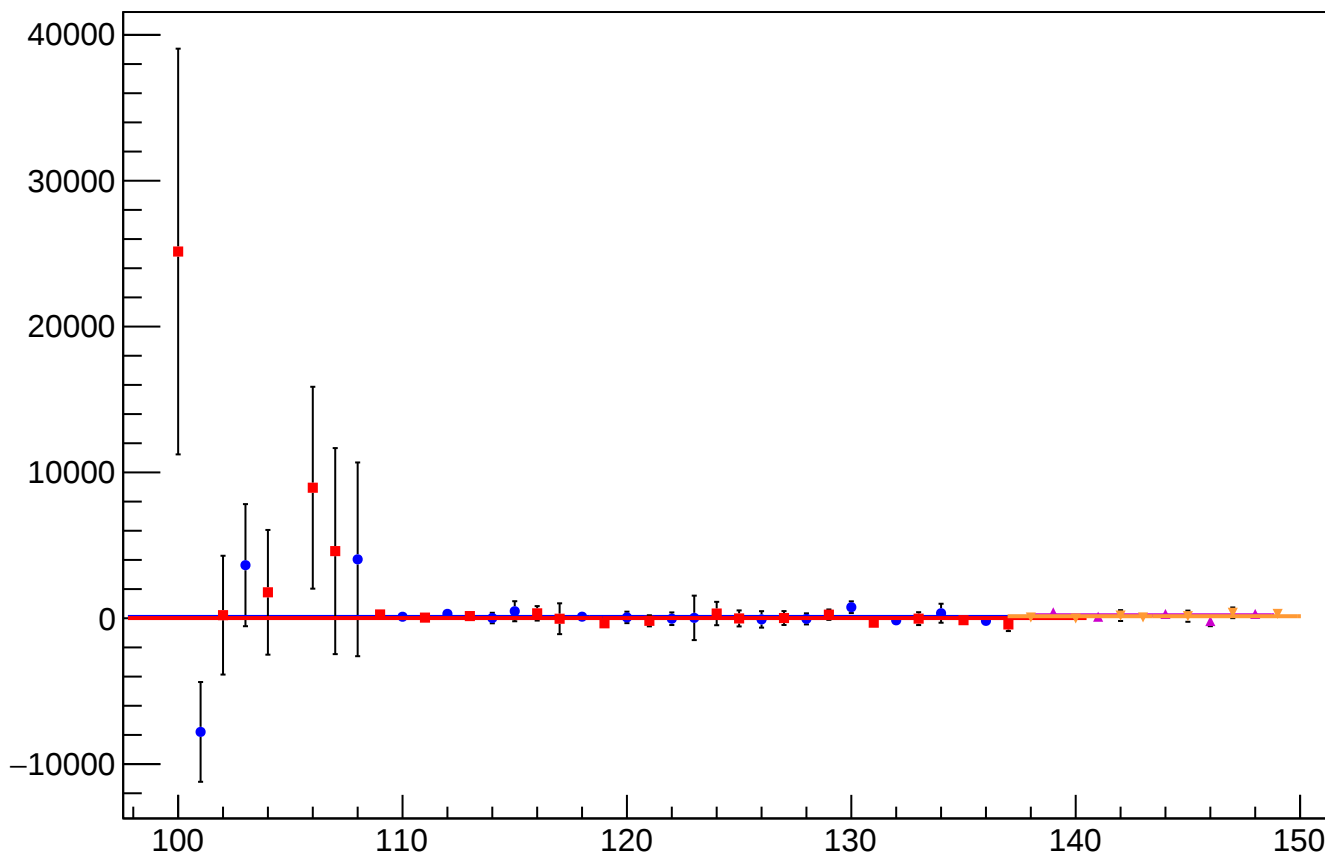
Left In: 29.521+/-0.010 χ^2/NDF :21532.0/4

28.930+/-0.006 χ^2/NDF : 3081821.9/23

28.695+/-0.005 χ^2/NDF : 6601268.9/48

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: 139.965+/-115.307 χ^2/NDF : 1.3/6

Right Out: 13.075+/-80.452 χ^2/NDF : 12.7/19

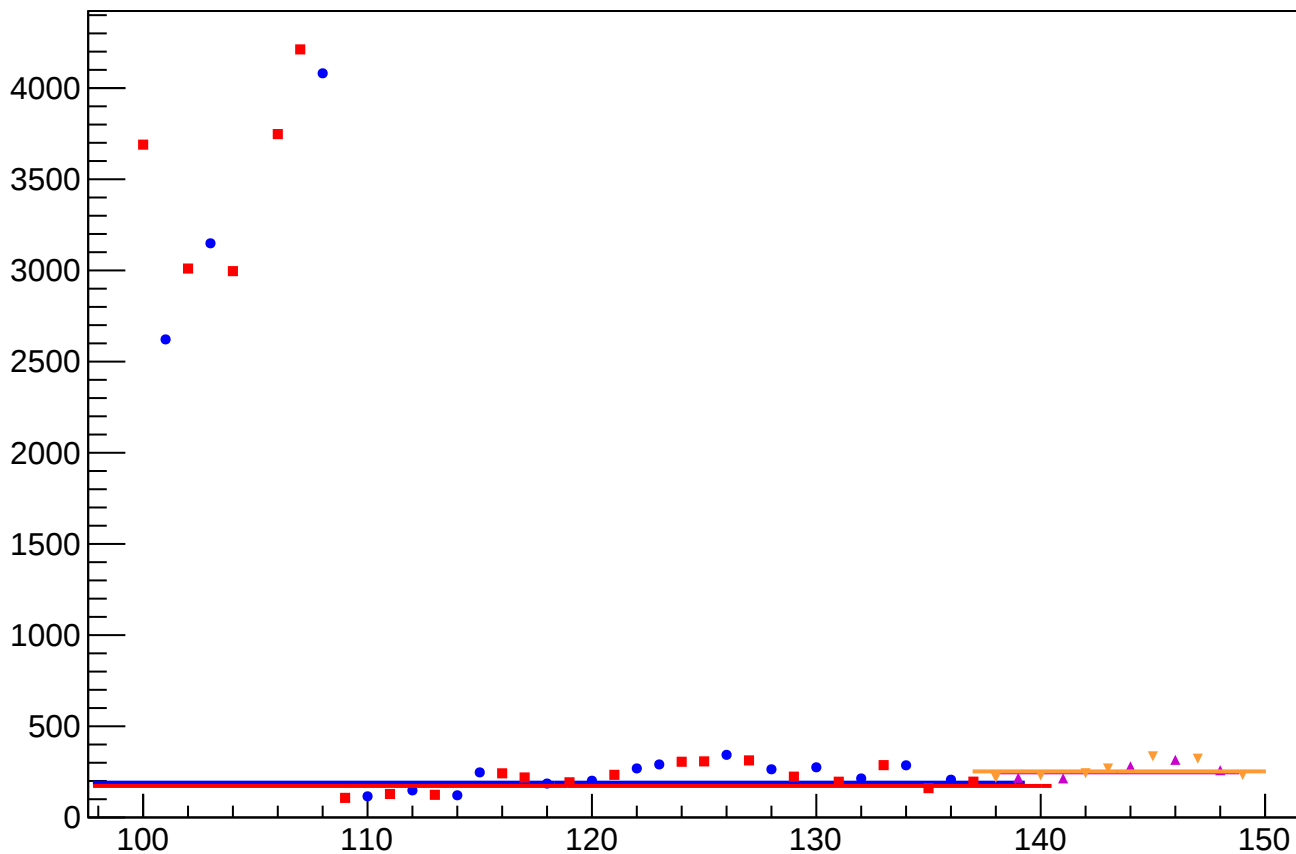
Left In: 205.700+/-125.710 χ^2/NDF : 2.2/4

108.918+/-70.030 χ^2/NDF : 14.2/23

88.326+/-48.697 χ^2/NDF : 31.0/48

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 $\pm$ 0.062 χ^2 /NDF: 3585034.0/16

Left Out: 252.572 $\pm$ 0.082 χ^2 /NDF: 235214.2/6

Right Out: 172.900 $\pm$ 0.057 χ^2 /NDF: 4222511.2/19

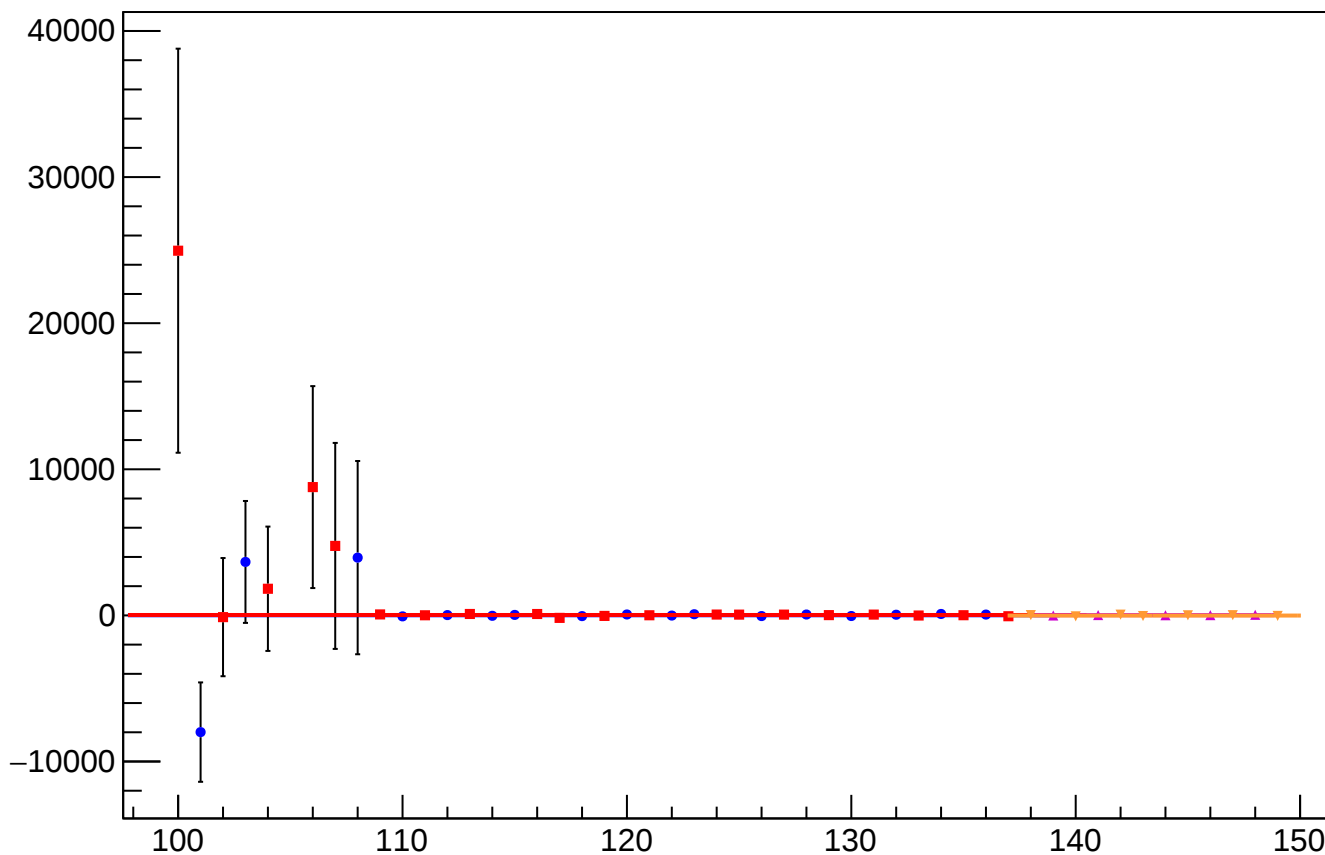
Left In: 247.483 $\pm$ 0.089 χ^2 /NDF: 167888.4/4

213.565 $\pm$ 0.050 χ^2 /NDF: 4182876.1/23

203.756 $\pm$ 0.034 χ^2 /NDF: 9148696.9/48

194.572 $\pm$ 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: -11.008 $\pm$ 13.698 χ^2 /NDF: 7.1/6

Right Out: 27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

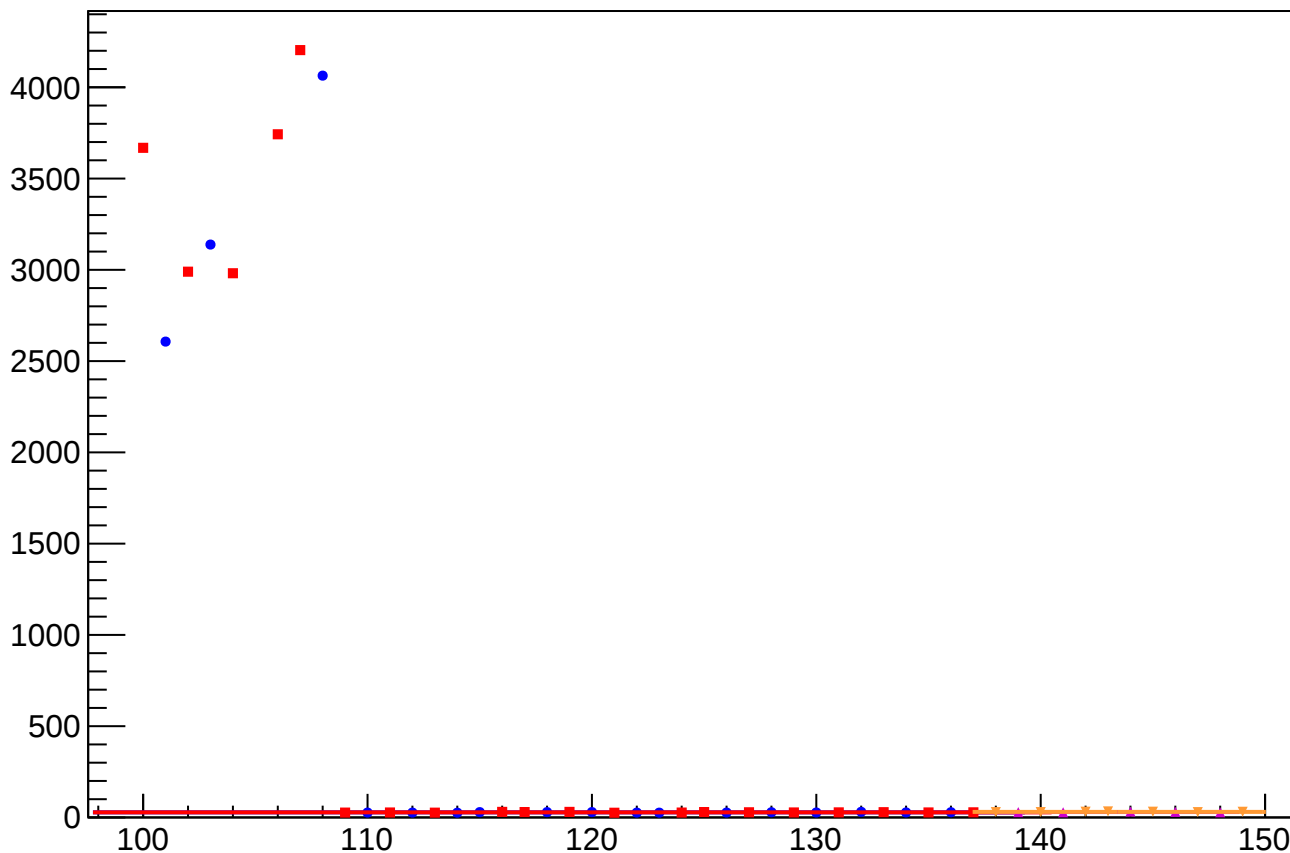
Left In: 18.151 $\pm$ 14.796 χ^2 /NDF: 1.1/4

-0.206 $\pm$ 9.180 χ^2 /NDF: 31.4/23

11.504 $\pm$ 6.585 χ^2 /NDF: 54.9/48

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+/-0.009 χ^2 /NDF: 3027898.7/16

Left Out: 30.463+/-0.010 χ^2 /NDF:19927.1/6

Right Out: 27.930+/-0.009 χ^2 /NDF: 3479947.6/19

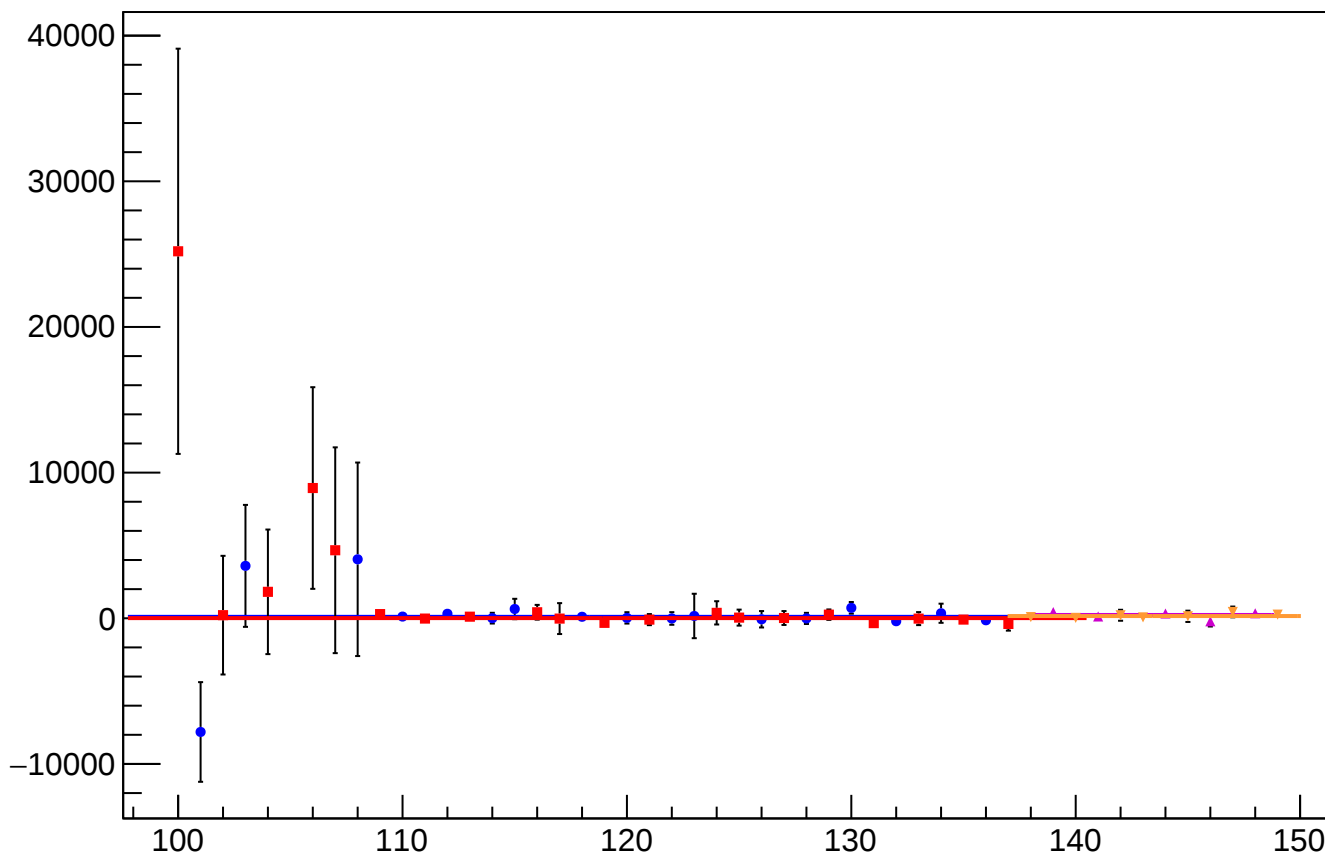
Left In: 29.706+/-0.010 χ^2 /NDF:22844.1/4

29.130+/-0.006 χ^2 /NDF: 3082183.1/23

28.900+/-0.005 χ^2 /NDF: 6604637.8/48

28.655+/-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: 152.976+/-116.797 χ^2/NDF : 1.1/6

Right Out: 11.533+/-81.530 χ^2/NDF : 12.3/19

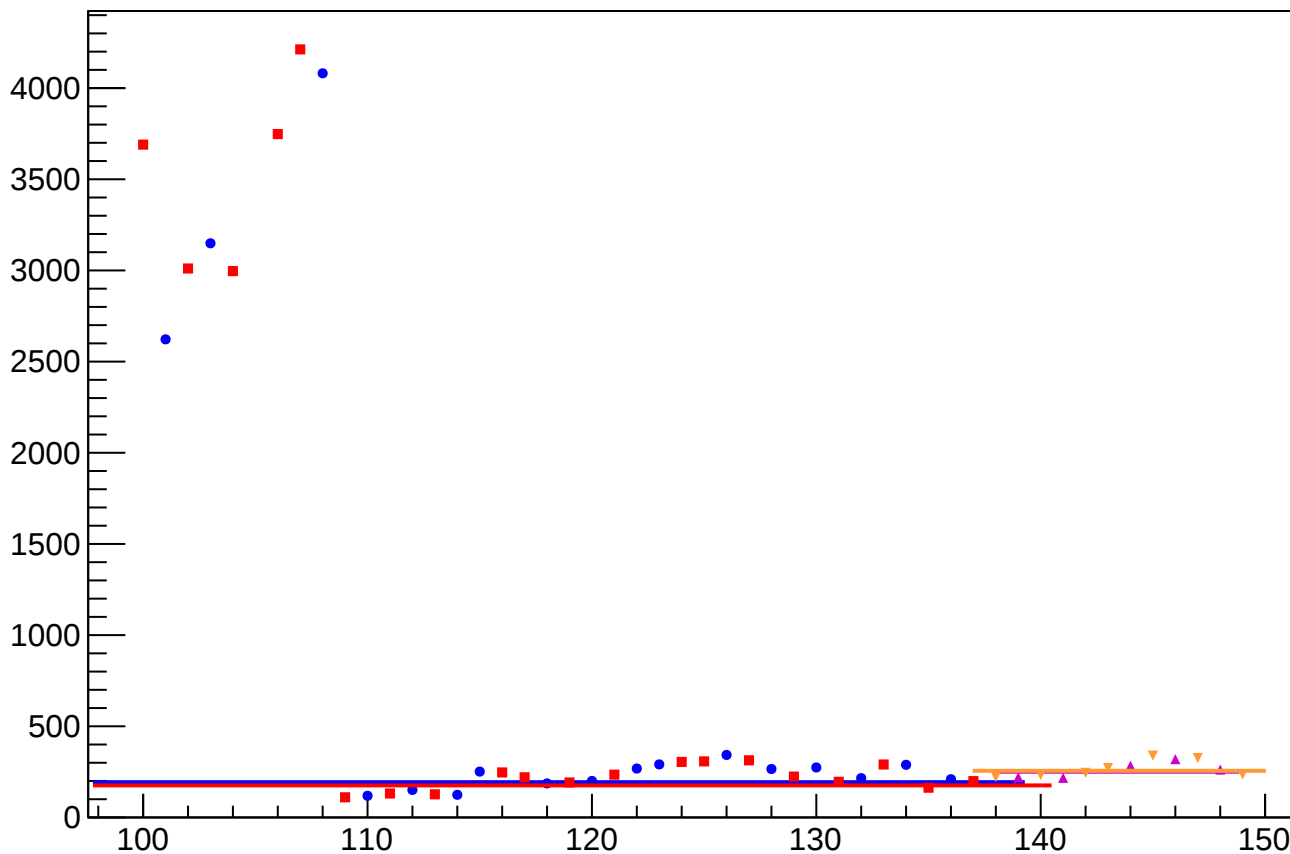
Left In: 226.564+/-127.338 χ^2/NDF : 2.5/4

118.343+/-70.892 χ^2/NDF : 13.8/23

95.491+/-49.321 χ^2/NDF : 30.8/48

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: 255.911+/-0.083 χ^2/NDF :231258.1/6

Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

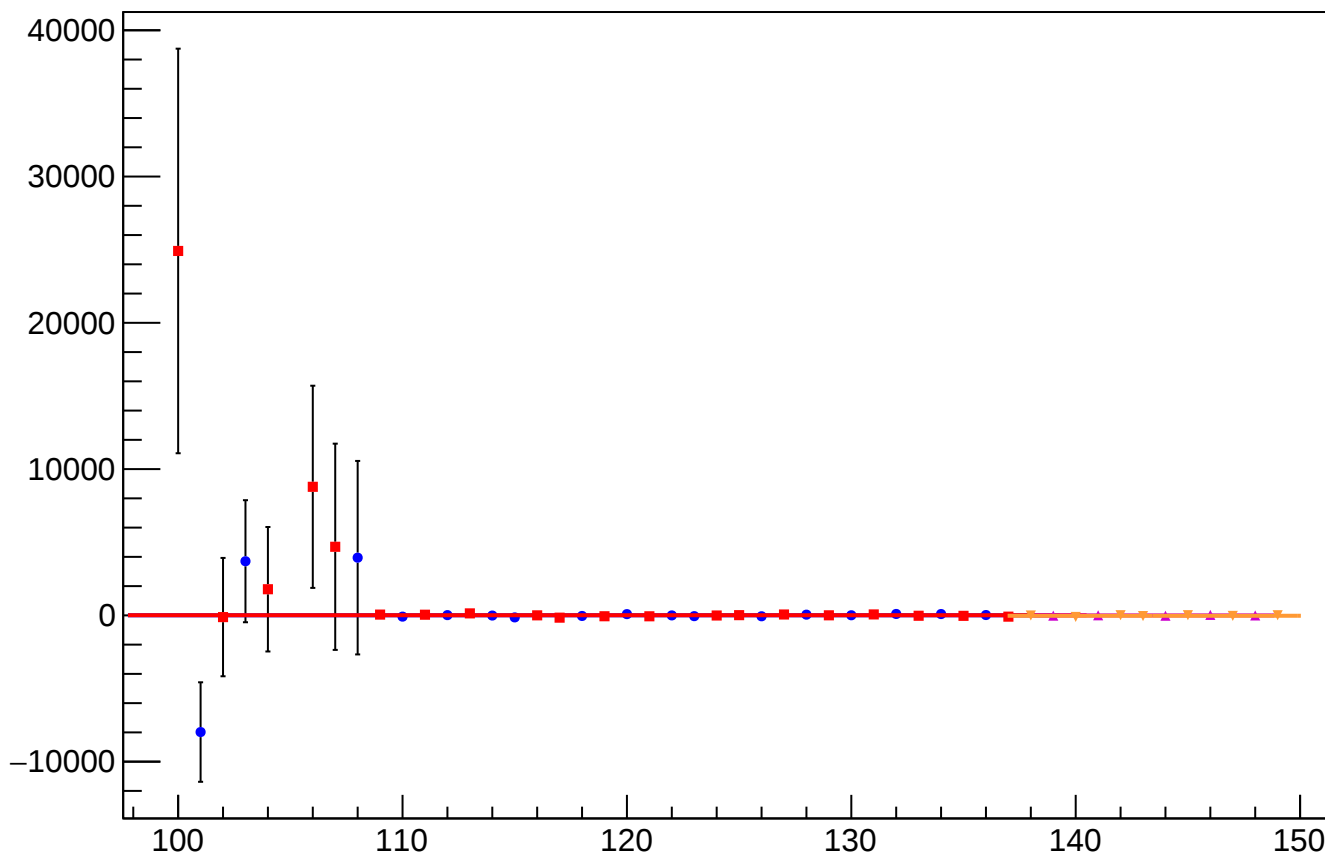
Left In: 250.762+/-0.090 χ^2/NDF :166092.6/4

216.503+/-0.050 χ^2/NDF : 4128695.5/23

206.737+/-0.035 χ^2/NDF : 9029377.9/48

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: -26.516 $\pm$ 16.120 χ^2 /NDF: 6.6/6

Right Out: 10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

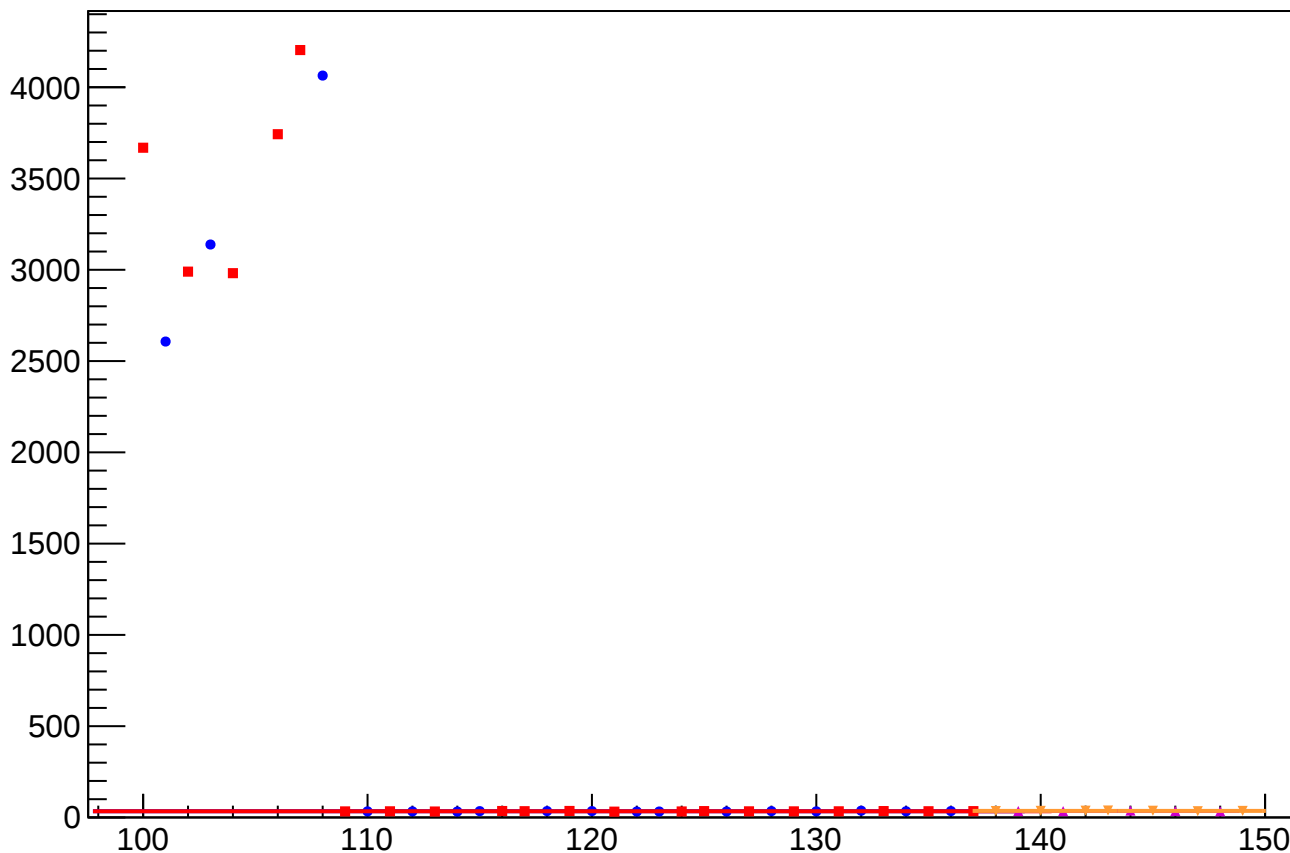
Left In: -0.765 $\pm$ 17.550 χ^2 /NDF: 1.3/4

-9.378 $\pm$ 11.002 χ^2 /NDF: 29.1/23

-1.958 $\pm$ 7.901 χ^2 /NDF: 54.6/48

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+/-0.011 χ^2 /NDF: 3006512.8/16

Left Out: 35.913+/-0.011 χ^2 /NDF:10824.9/6

Right Out: 33.916+/-0.011 χ^2 /NDF: 3451921.6/19

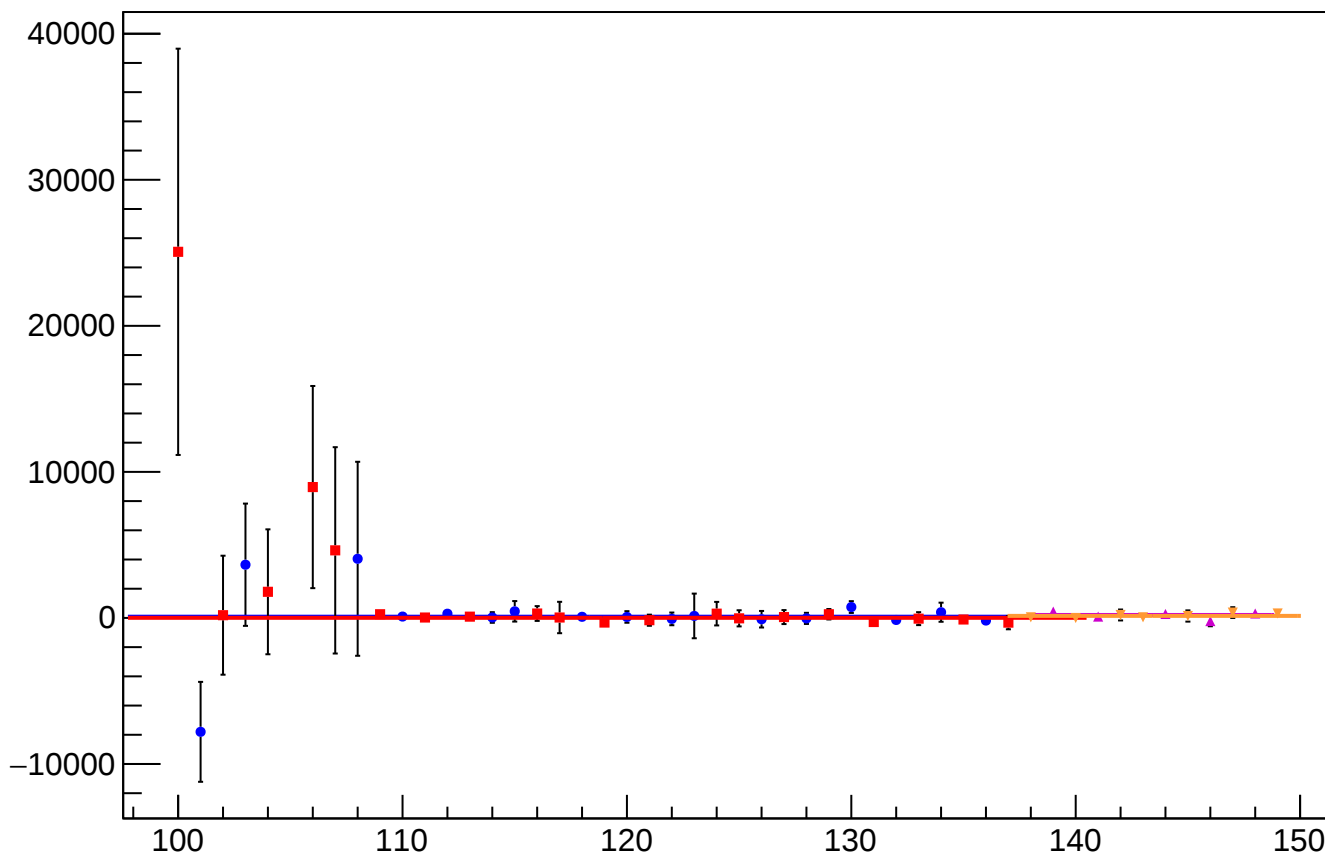
Left In: 35.293+/-0.012 χ^2 /NDF:9676.2/4

34.980+/-0.008 χ^2 /NDF: 3029858.2/23

34.744+/-0.006 χ^2 /NDF: 6500523.4/48

34.492+/-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: 140.298+/-115.886 χ^2/NDF : 1.3/6

Right Out: 8.682+/-81.026 χ^2/NDF : 11.1/19

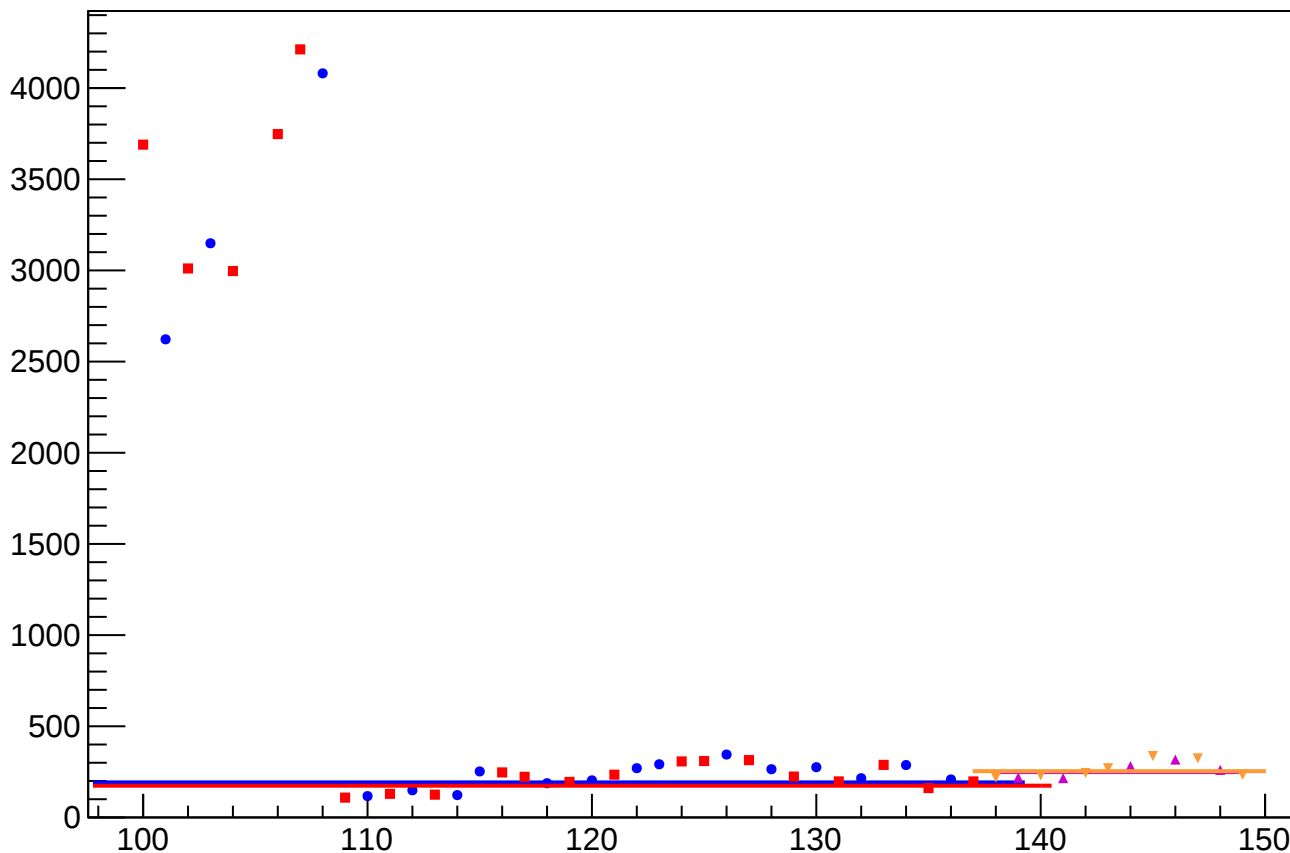
Left In: 202.727+/-126.420 χ^2/NDF : 2.6/4

105.129+/-70.459 χ^2/NDF : 14.0/23

84.511+/-49.010 χ^2/NDF : 29.5/48

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: 253.841+/-0.082 χ^2/NDF : 235367.5/6

Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

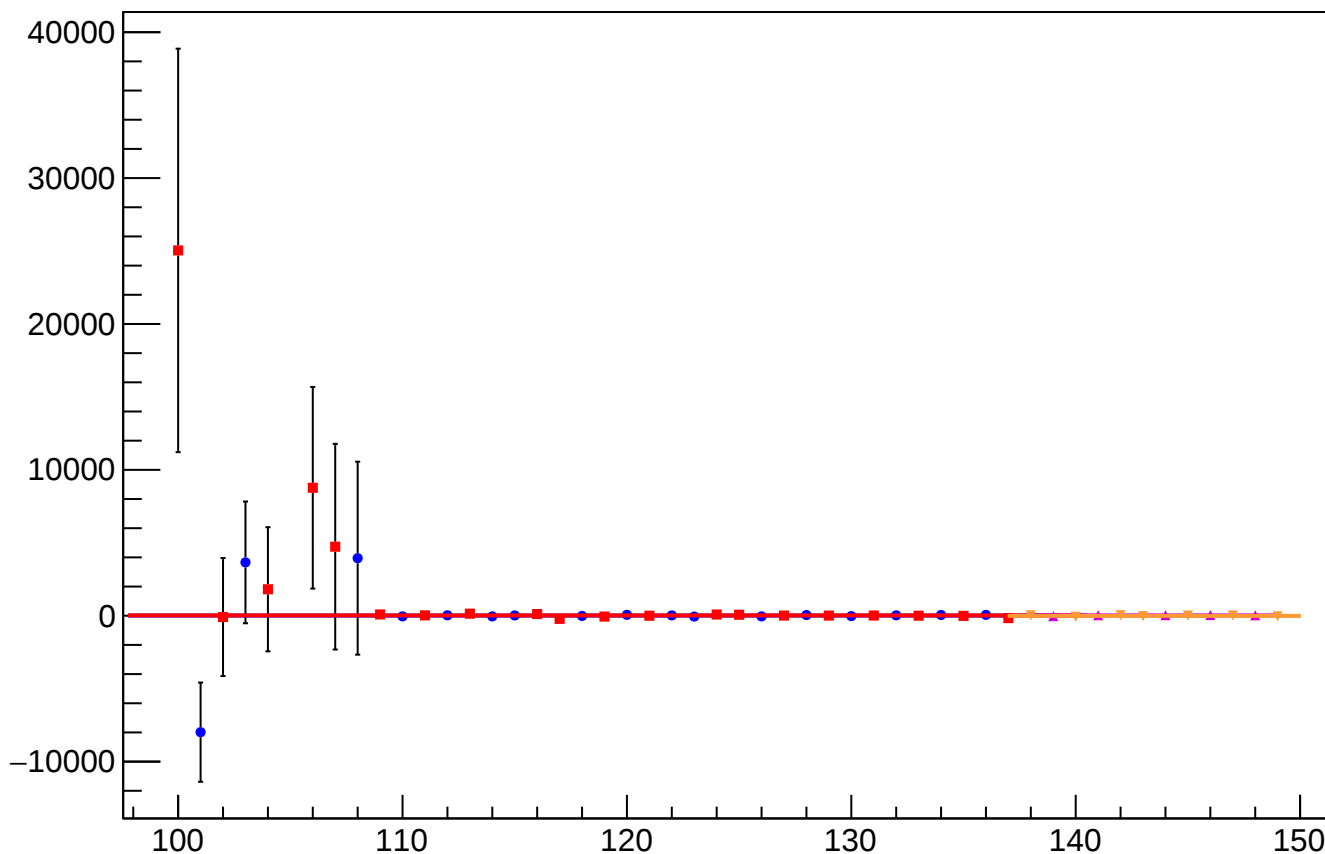
Left In: 248.908+/-0.089 χ^2/NDF : 166736.0/4

214.972+/-0.050 χ^2/NDF : 4166931.3/23

205.170+/-0.035 χ^2/NDF : 9118979.3/48

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: -11.105+/-14.851 χ^2/NDF : 6.5/6

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

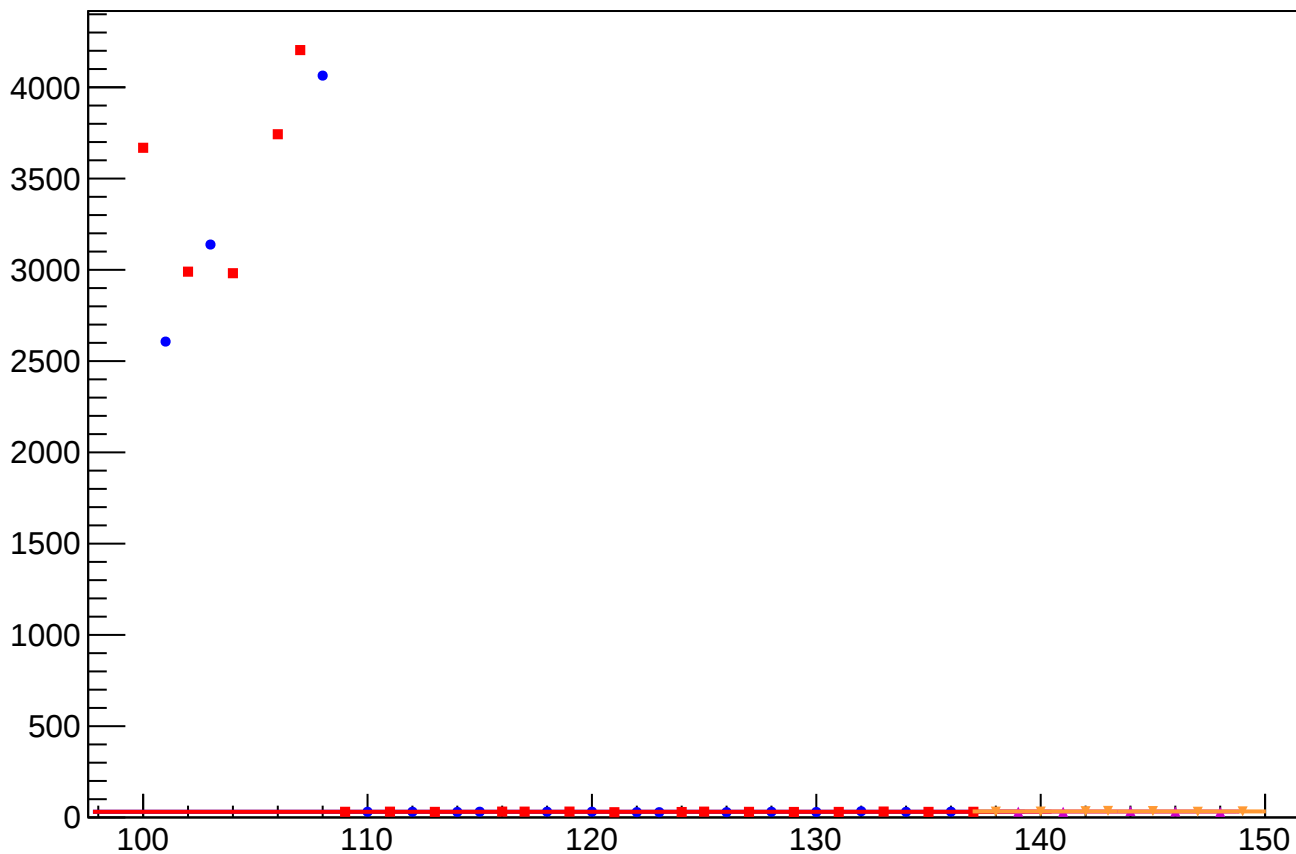
Left In: 24.222+/-16.049 χ^2/NDF : 2.5/4

1.763+/-10.079 χ^2/NDF : 22.5/23

11.681+/-7.230 χ^2/NDF : 57.5/48

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: 33.042+/-0.011 χ^2/NDF : 22774.4/6

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

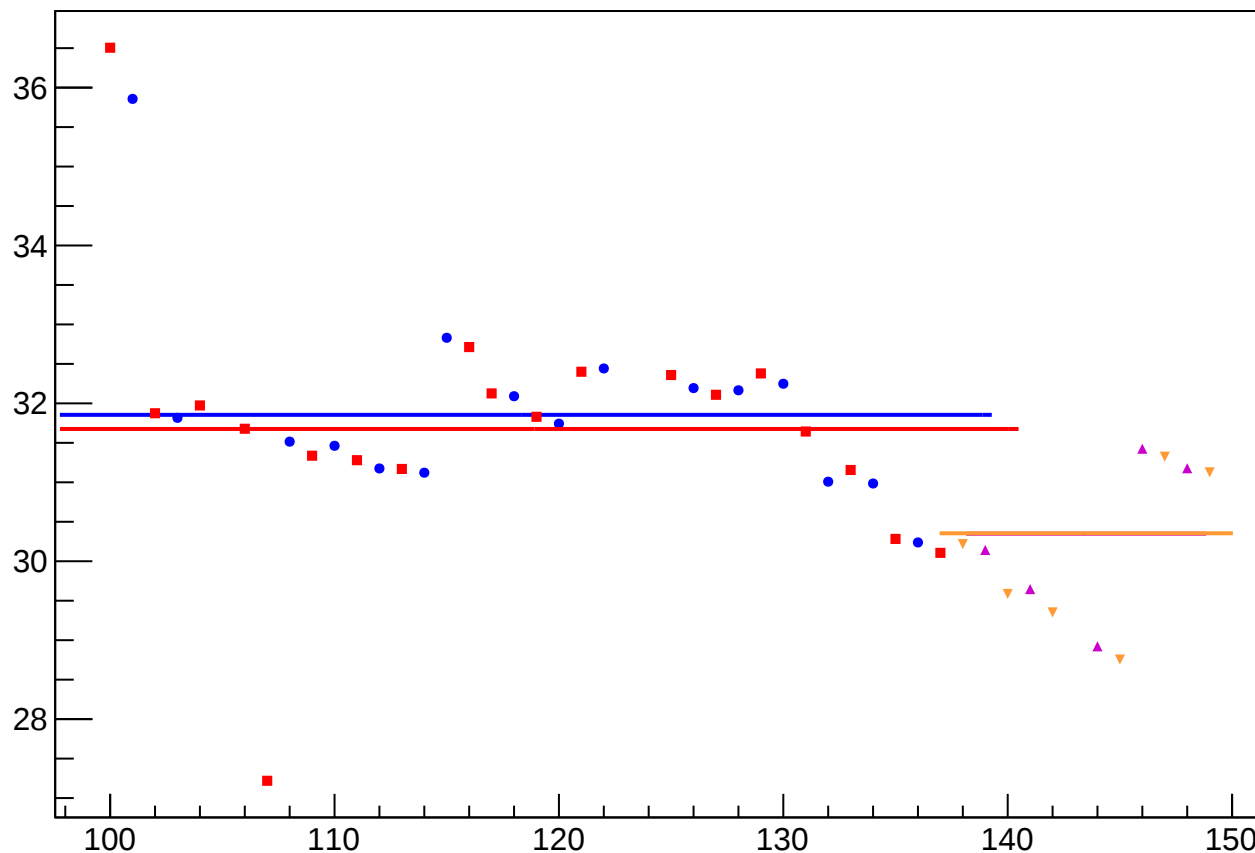
Left In: 32.246+/-0.011 χ^2/NDF : 18747.3/4

32.023+/-0.007 χ^2/NDF : 3054745.0/23

31.771+/-0.005 χ^2/NDF : 6542424.4/48

31.503+/-0.007 χ^2/NDF : 3485098.7/24

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.354+/-0.000 χ^2/NDF : 529946411.5/5

Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

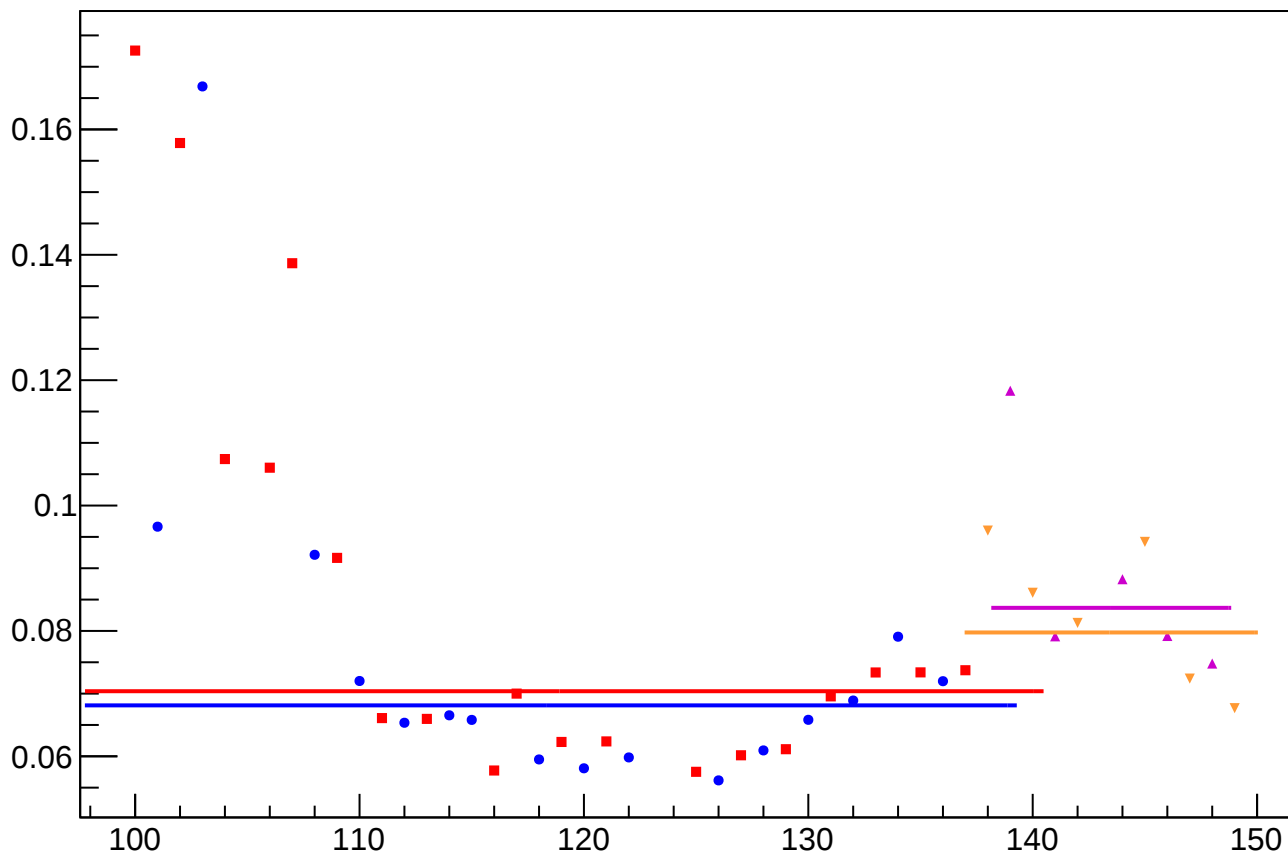
Left In: 30.349+/-0.000 χ^2/NDF : 481122512.2/4

31.372+/-0.000 χ^2/NDF : 3001826254.8/21

31.329+/-0.000 χ^2/NDF : 5036291531.9/4

31.283+/-0.000 χ^2/NDF : 2027508634.0/23

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.080 $\pm$ 0.000 χ^2/NDF : 140204.5/5

Right Out: 0.070 $\pm$ 0.000 χ^2/NDF : 841322.7/18

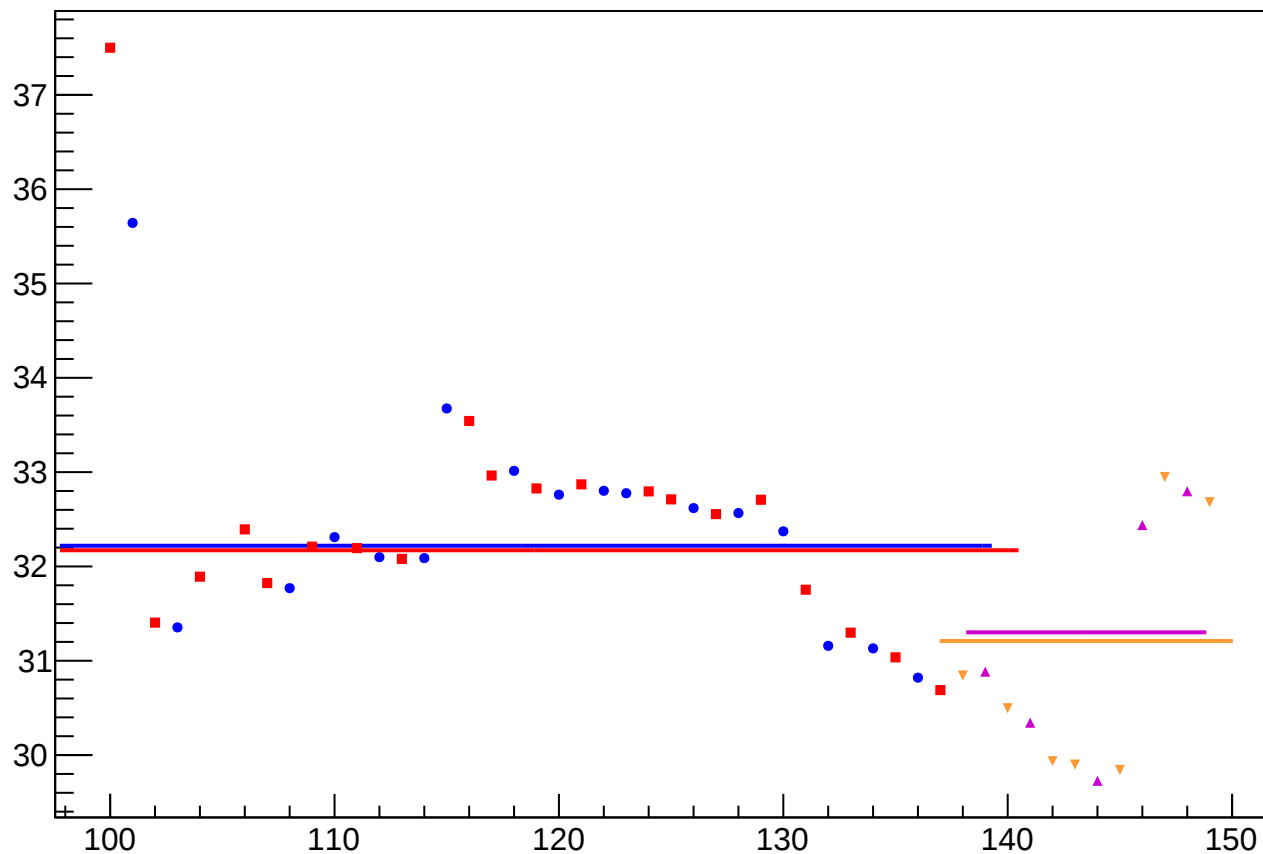
Left In: 0.084 $\pm$ 0.000 χ^2/NDF : 152934.4/4

0.072 $\pm$ 0.000 χ^2/NDF : 878286.6/21

0.073 $\pm$ 0.000 χ^2/NDF : 2009093.5/45

0.074 $\pm$ 0.000 χ^2/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: 31.209+/-0.000 χ^2/NDF : 1277370832.3/6

Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

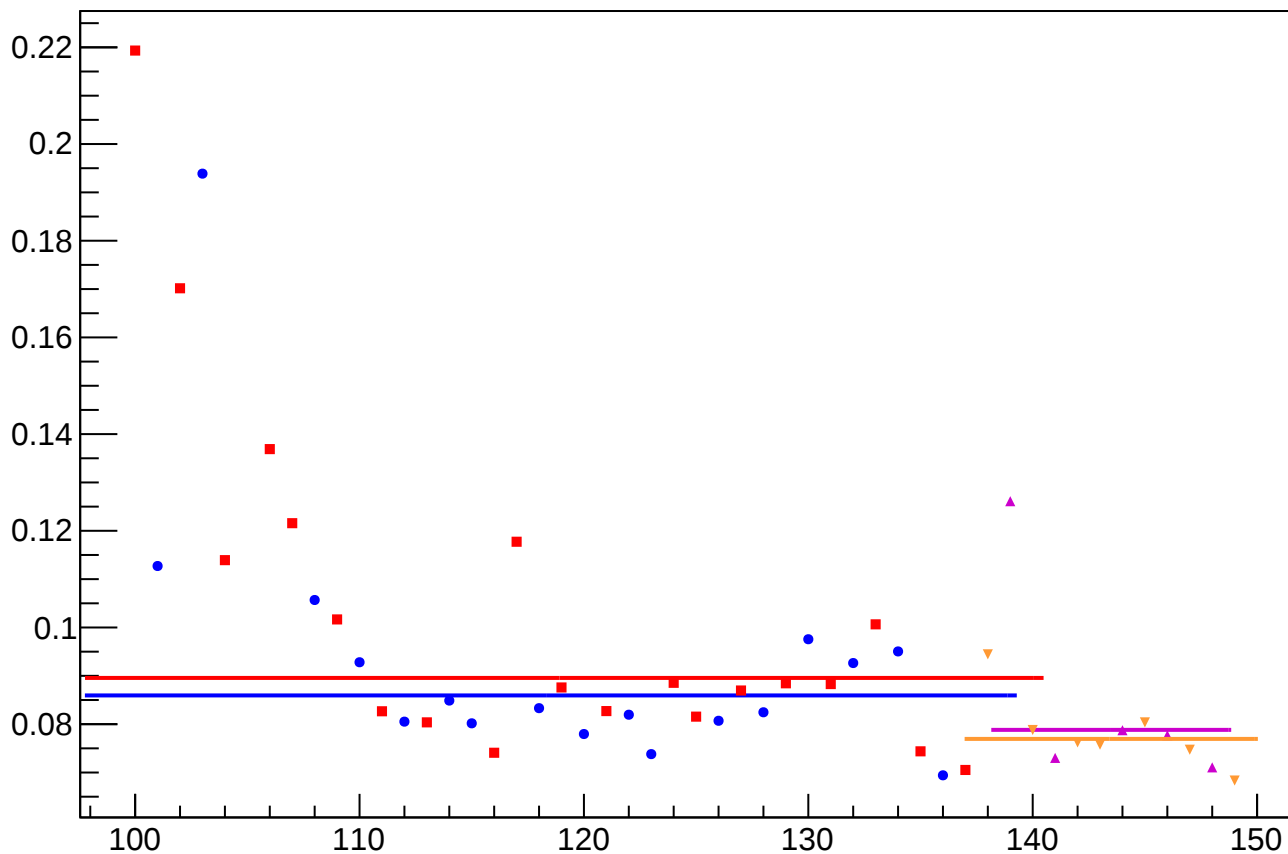
Left In: 31.301+/-0.000 χ^2/NDF : 936594224.2/4

31.729+/-0.000 χ^2/NDF : 2680268228.5/23

31.761+/-0.000 χ^2/NDF : 4314976206.2/4

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: 0.077 $\pm$ 0.000 χ^2/NDF : 74311.8/6

Right Out: 0.090 $\pm$ 0.000 χ^2/NDF : 544516.7/19

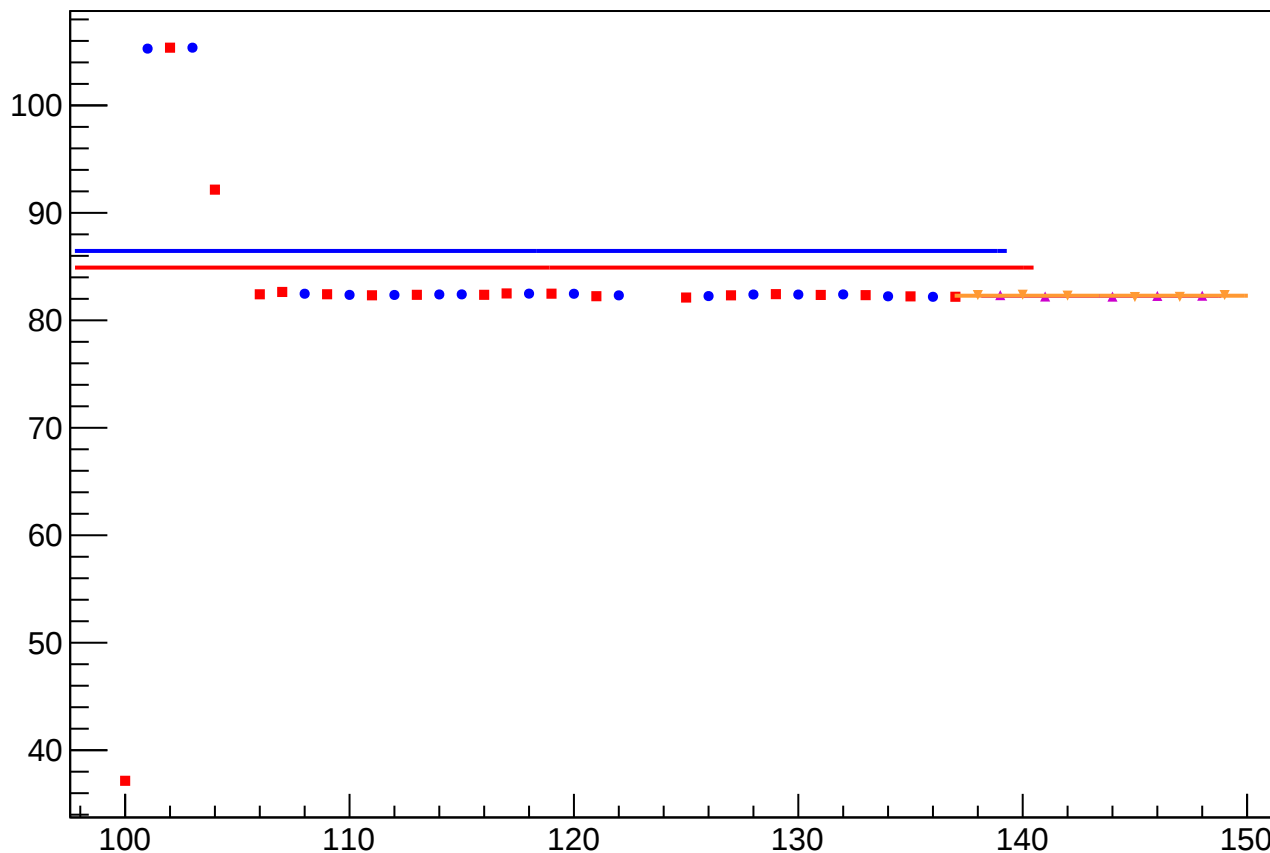
Left In: 0.079 $\pm$ 0.000 χ^2/NDF : 225612.5/4

0.082 $\pm$ 0.000 χ^2/NDF : 689240.7/23

0.083 $\pm$ 0.000 χ^2/NDF : 1552102.9/48

0.085 $\pm$ 0.000 χ^2/NDF : 846550.4/24

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.291+/-0.000 χ^2/NDF : 16696013.0/5

Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

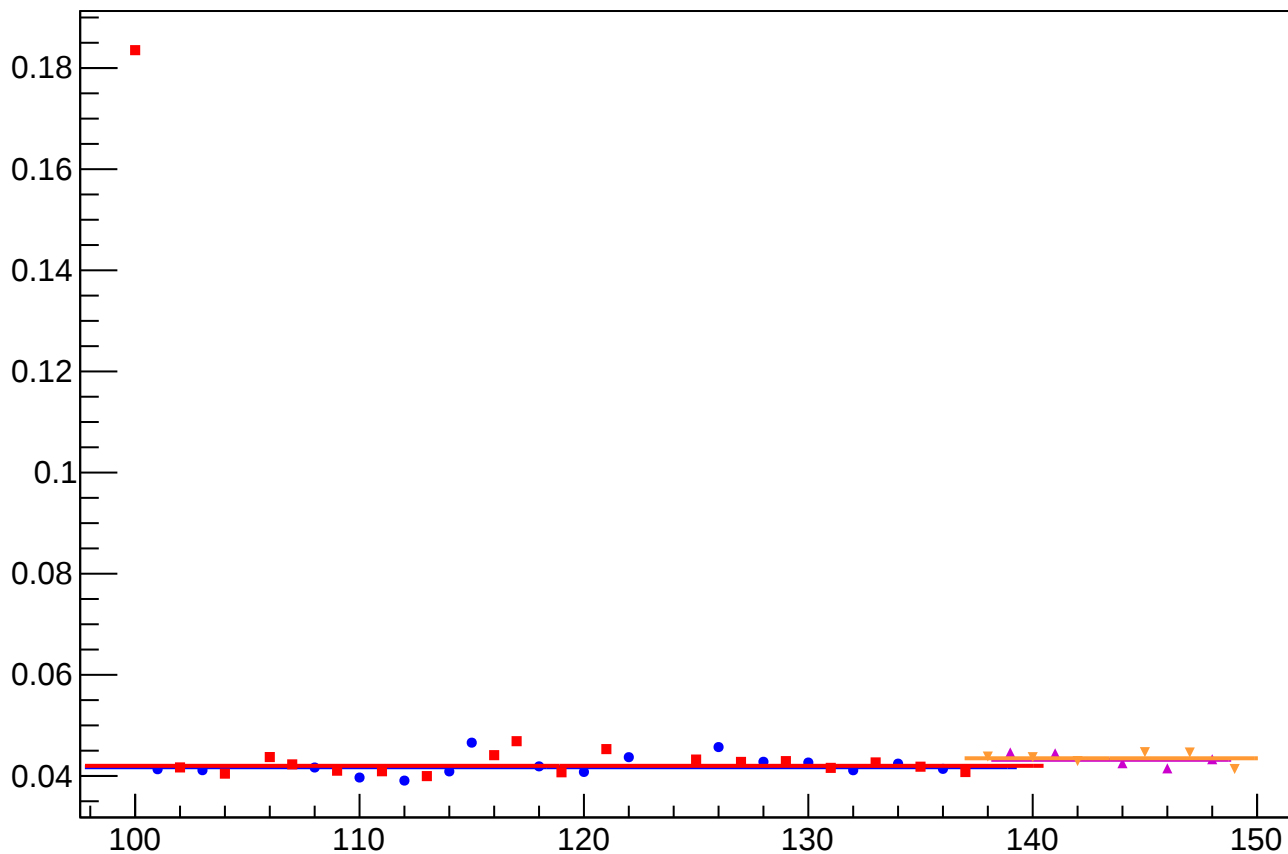
Left In: 82.264+/-0.000 χ^2/NDF : 5154552.8/4

84.898+/-0.000 χ^2/NDF : 315904366959.3/21

84.434+/-0.000 χ^2/NDF : 500503102333.8

83.973+/-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: 0.043+/-0.000 χ^2/NDF : 6588.9/5

Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

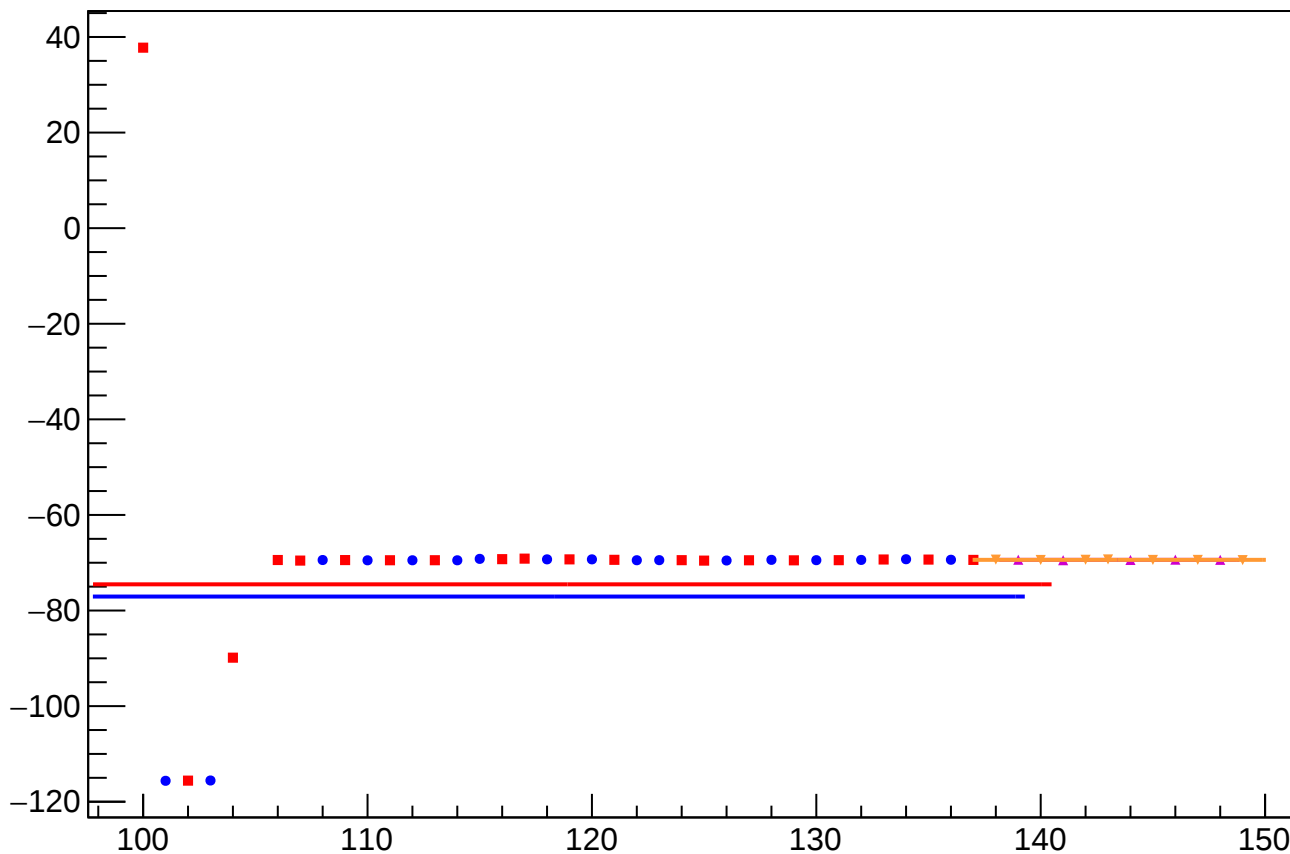
Left In: 0.043+/-0.000 χ^2/NDF : 6035.4/4

0.042+/-0.000 χ^2/NDF : 34298.4/21

0.042+/-0.000 χ^2/NDF : 142070.1/45

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: -69.395 $\pm$ 0.000 χ^2/NDF : 2898701.5/6

Right Out: -74.518 $\pm$ 0.000 χ^2/NDF : 372210051226.2/19

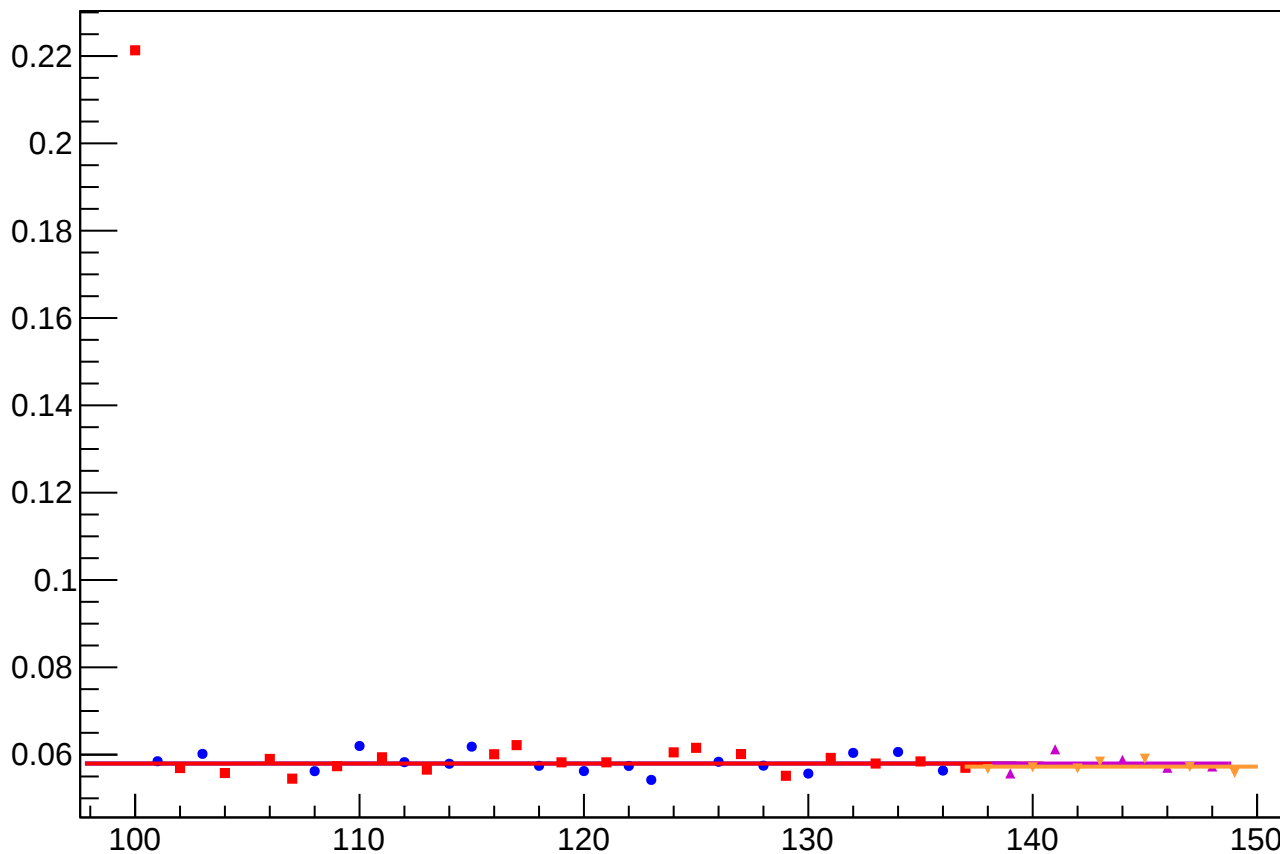
Left In: -69.399 $\pm$ 0.000 χ^2/NDF : 1904161.6/4

-73.744 $\pm$ 0.000 χ^2/NDF : 614365333272.8/23

-73.218 $\pm$ 0.000 χ^2/NDF : 100796836529

-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: 0.057+/-0.000 χ^2/NDF : 3145.4/6

Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

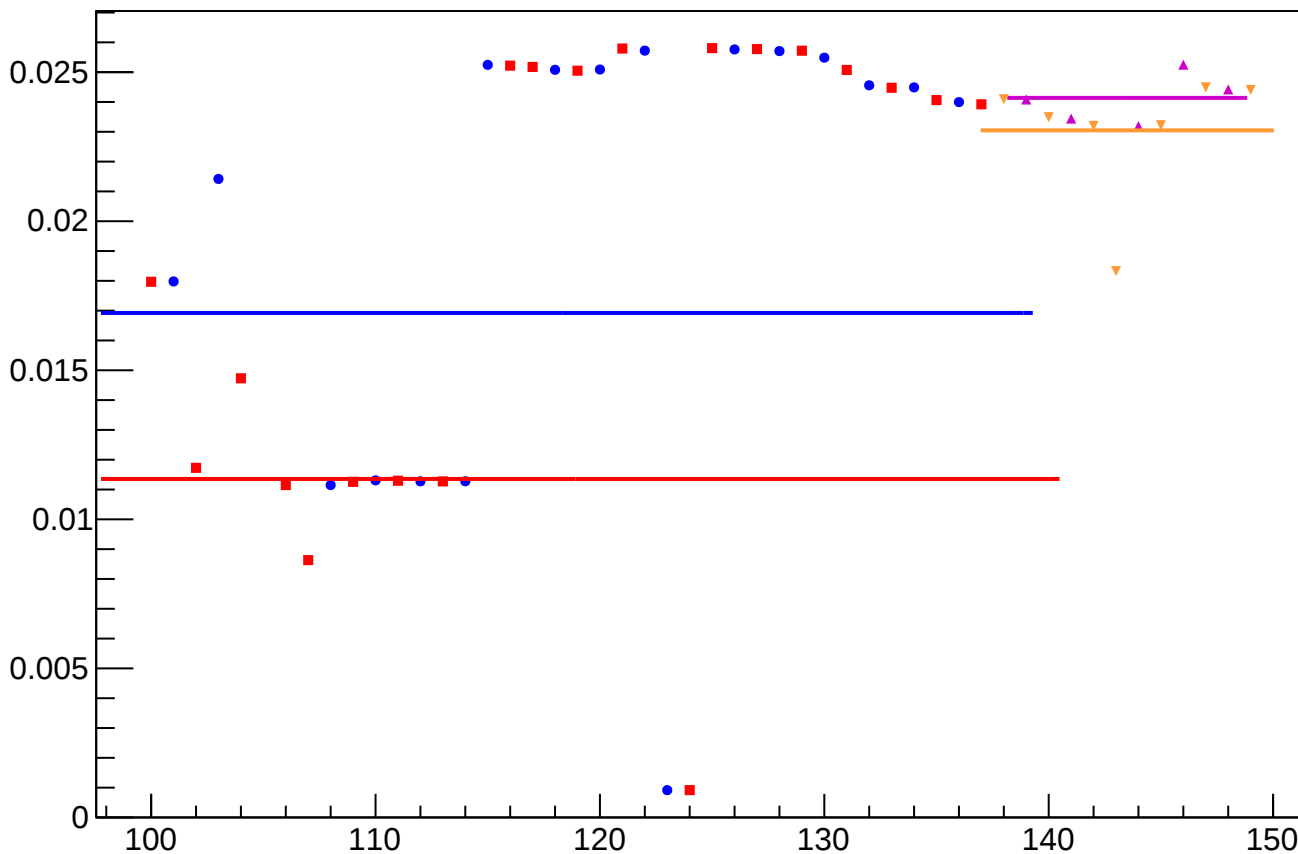
Left In: 0.058+/-0.000 χ^2/NDF : 7991.5/4

0.058+/-0.000 χ^2/NDF : 16262.3/23

0.058+/-0.000 χ^2/NDF : 111418.9/48

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: 4106219798.5/6

0.019 $\pm$ 0.000 χ^2 /NDF: 152371917498.4/23

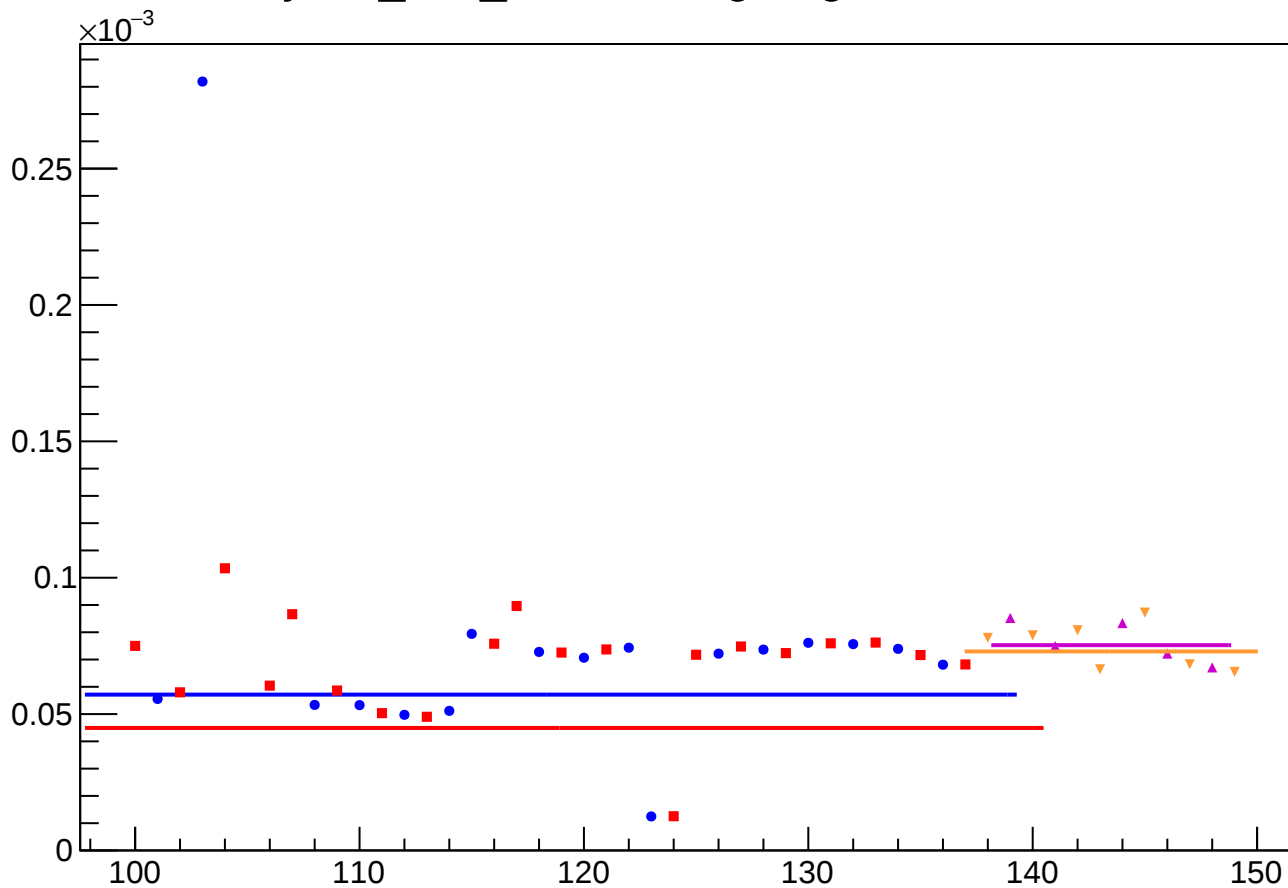
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.016 $\pm$ 0.000 χ^2 /NDF: 508787893656.3/19

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:101325.3/6

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3613155.3/19

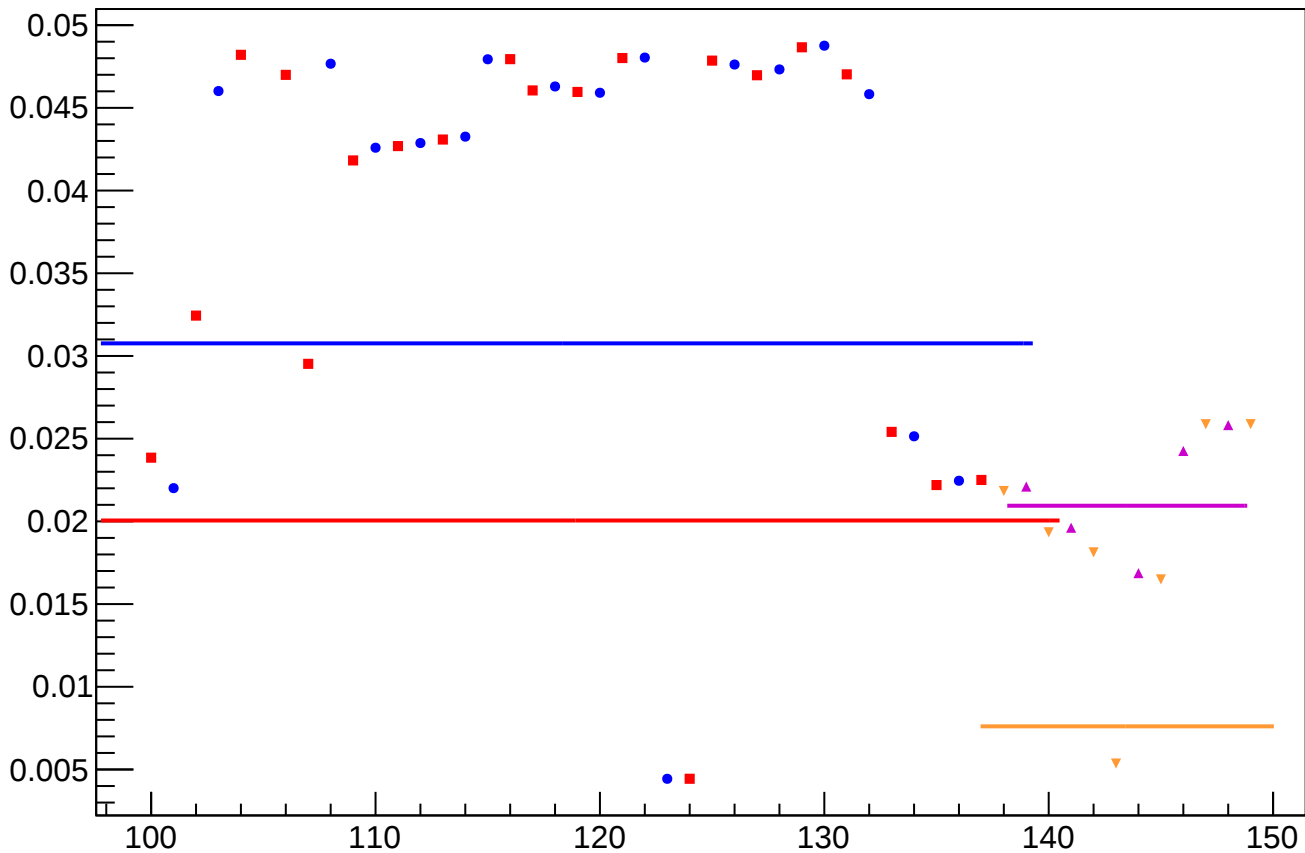
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:61337.0/4

0.000 $\pm$ 0.000 χ^2 /NDF: 2393441.4/23

0.000 $\pm$ 0.000 χ^2 /NDF: 7389026.2/48

0.000 $\pm$ 0.000 χ^2 /NDF: 4659231.0/24

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031 $\pm$ 0.000 χ^2 /NDF: 21174738549.0/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 13297991341.8/6

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 40133684916.8/19

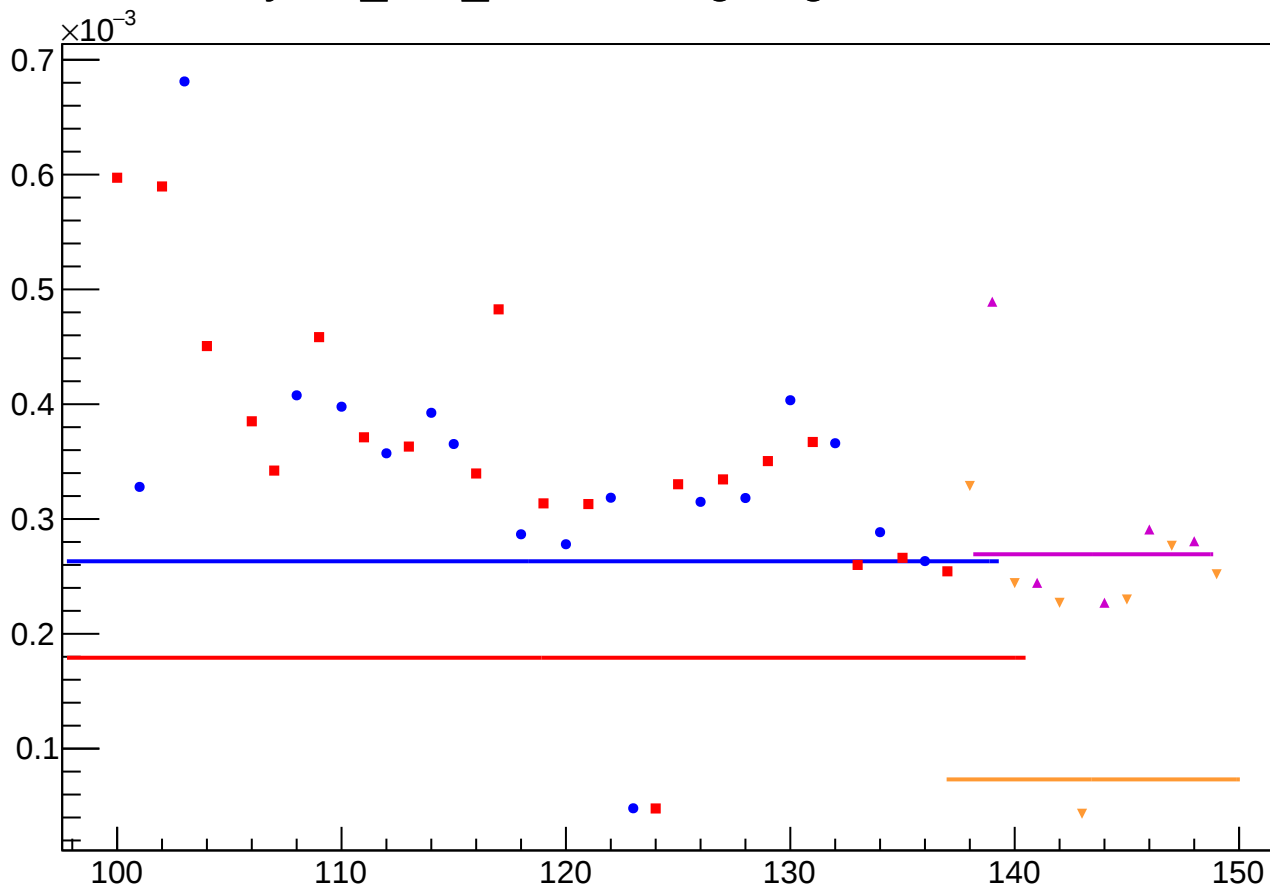
Left In: 0.021 $\pm$ 0.000 χ^2 /NDF: 592189003.0/4

0.011 $\pm$ 0.000 χ^2 /NDF: 66790364949.0/23

0.013 $\pm$ 0.000 χ^2 /NDF: 118104976291.9/7

0.020 $\pm$ 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 : 4509900.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

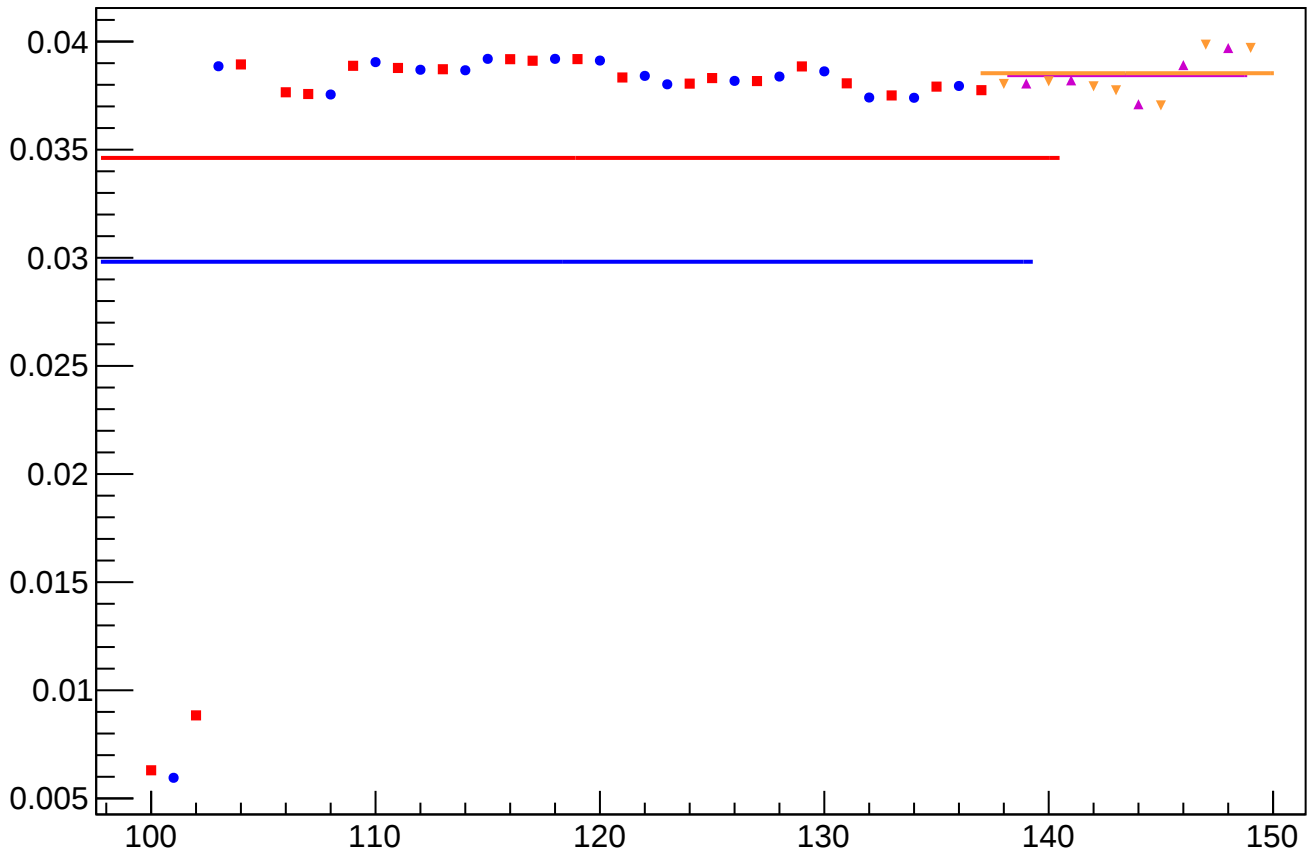
Left In: 0.000+/-0.000 χ^2/NDF : 363040.5/4

0.000+/-0.000 χ^2/NDF : 11263501.2/23

0.000+/-0.000 χ^2/NDF : 20217149.7/48

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: 0.039 $\pm$ 0.000 χ^2 /NDF: 255429054.5/6

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43717644957.2/19

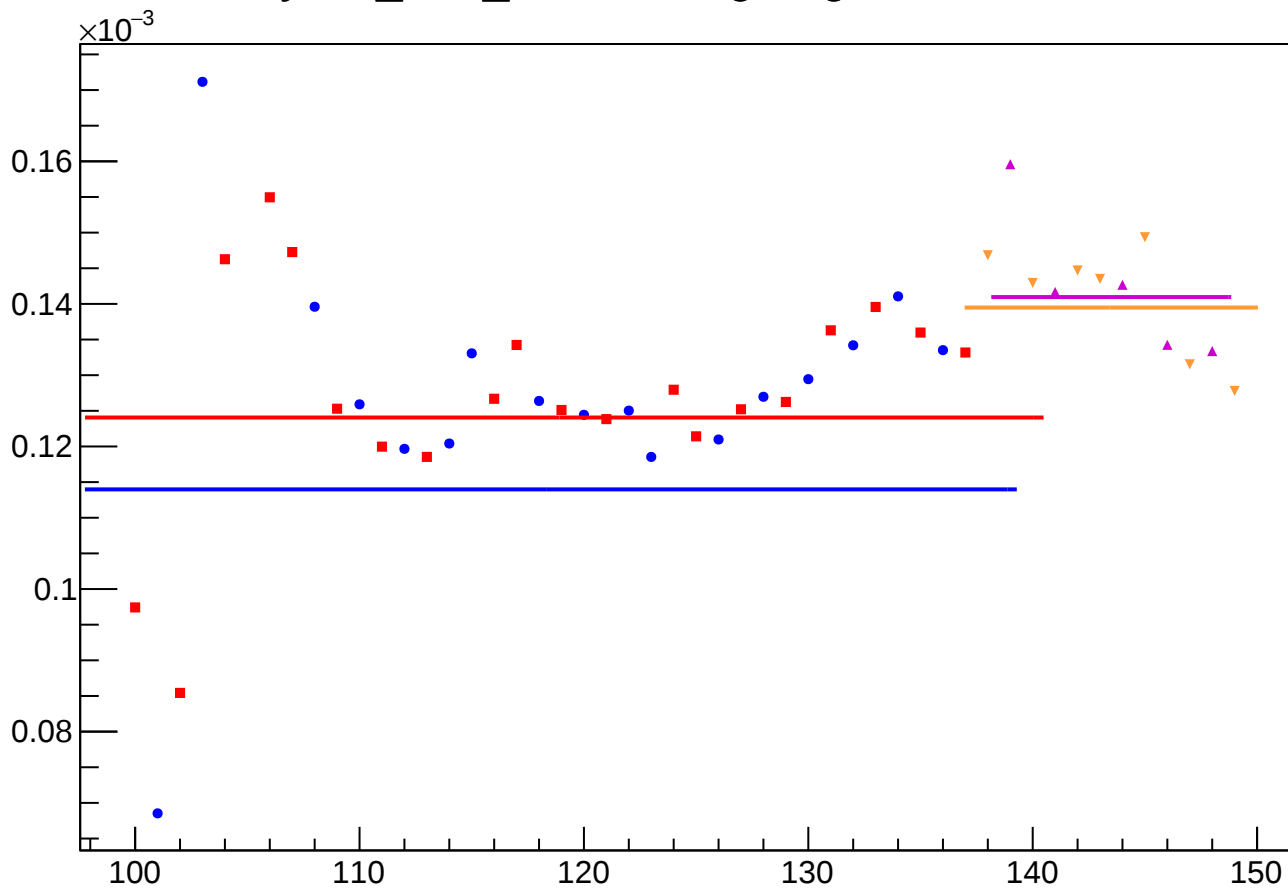
Left In: 0.038 $\pm$ 0.000 χ^2 /NDF: 158020765.6/4

0.033 $\pm$ 0.000 χ^2 /NDF: 109656556993.4/23

0.034 $\pm$ 0.000 χ^2 /NDF: 158553486936.7/7

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 : 31669.9/6

Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

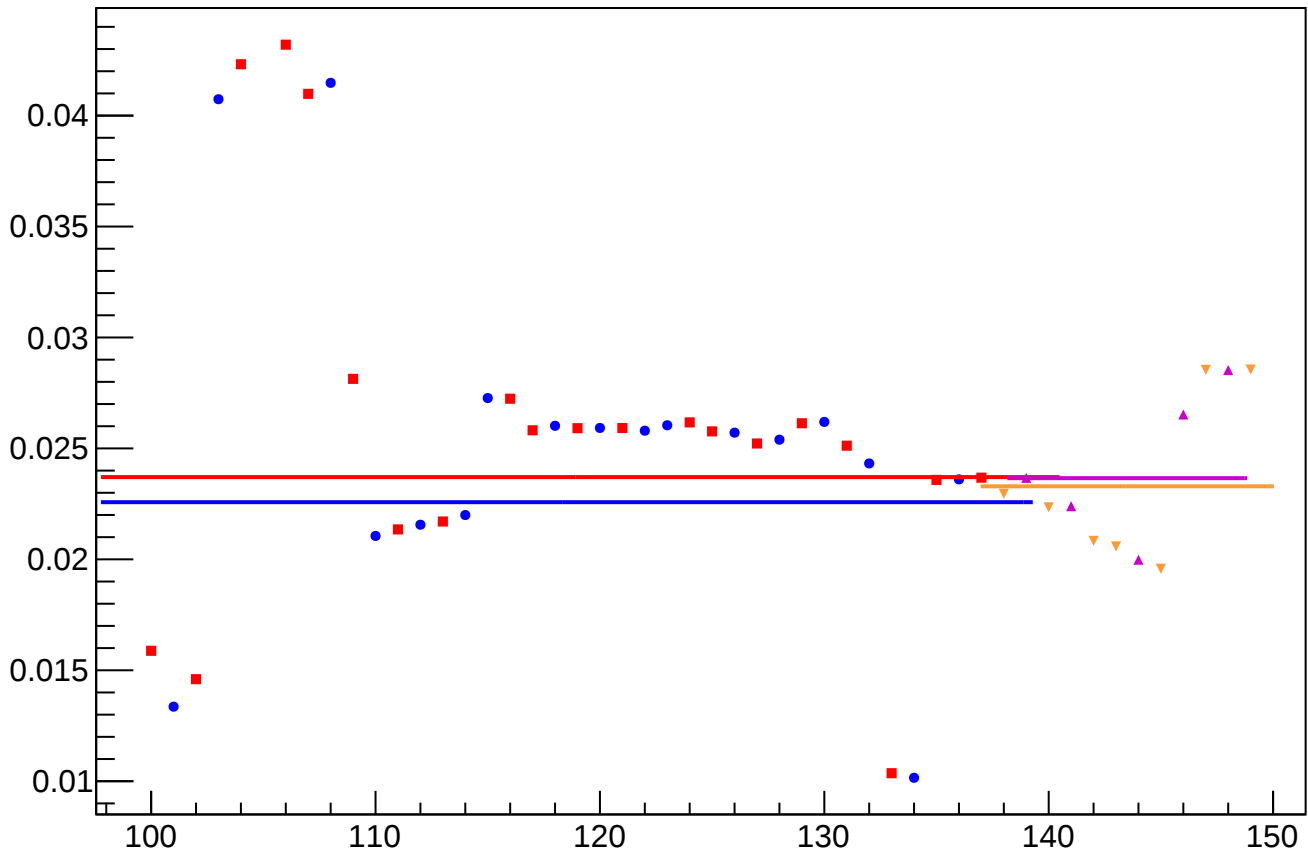
Left In: 0.000+/-0.000 χ^2/NDF : 28661.2/4

0.000+/-0.000 χ^2/NDF : 1035916.4/23

0.000+/-0.000 χ^2/NDF : 1416608.3/48

0.000+/-0.000 χ^2/NDF : 351325.9/24

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.023 $\pm$ 0.000 χ^2/NDF : 931003875.8/6

Right Out: 0.024 $\pm$ 0.000 χ^2/NDF : 5652505580.7/19

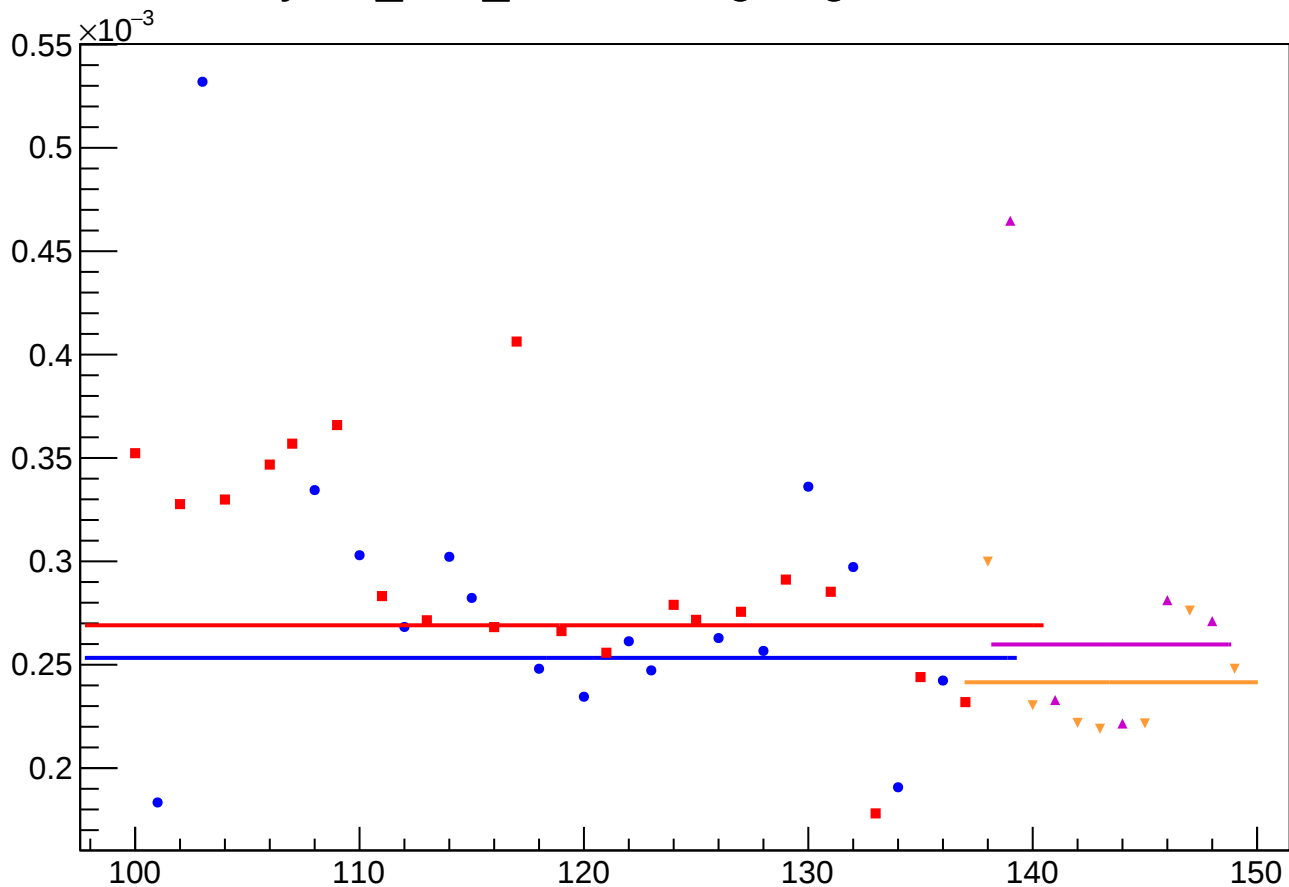
Left In: 0.024 $\pm$ 0.000 χ^2/NDF : 554405871.3/4

0.023 $\pm$ 0.000 χ^2/NDF : 5199493897.8/23

0.023 $\pm$ 0.000 χ^2/NDF : 11453311288.5/4

0.024 $\pm$ 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 : 102662.1/6

Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

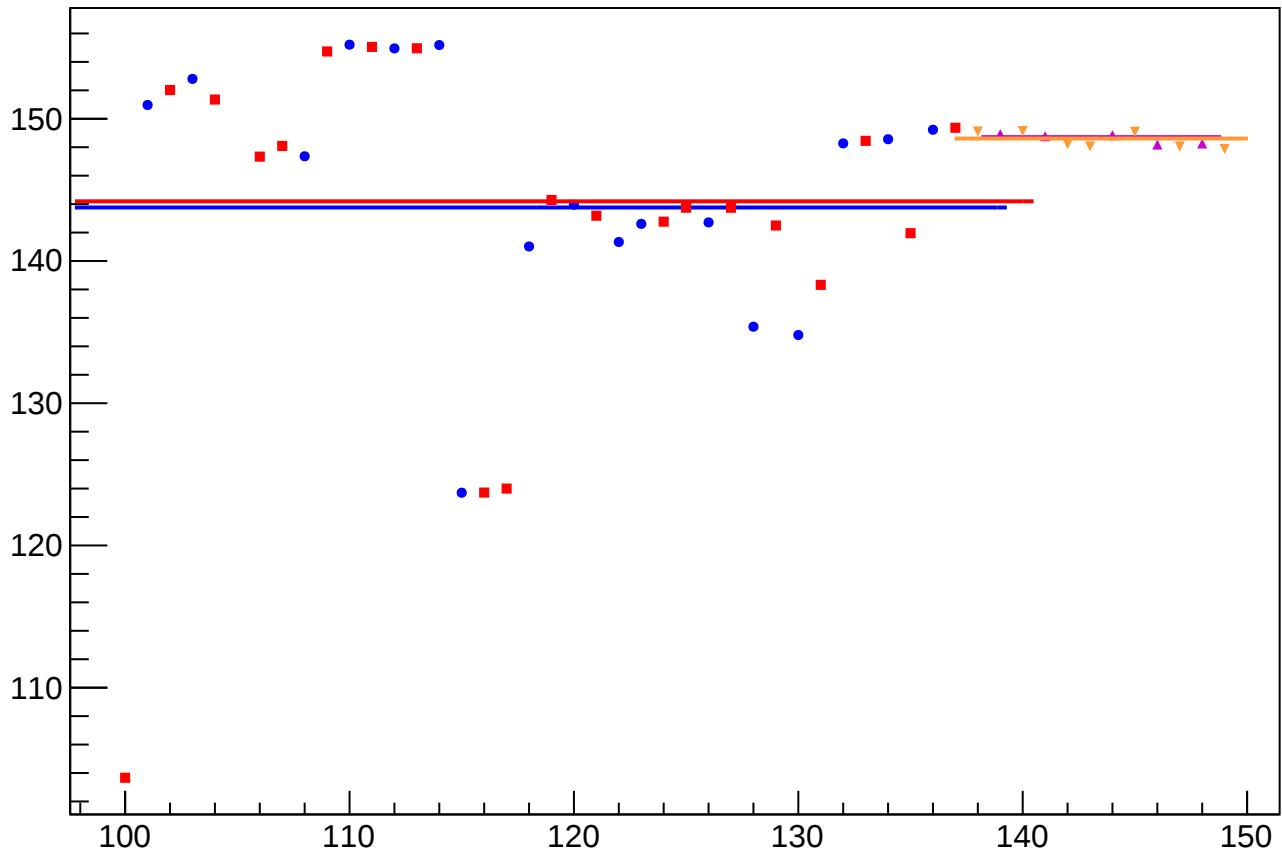
Left In: 0.000+/-0.000 χ^2/NDF : 350463.2/4

0.000+/-0.000 χ^2/NDF : 743097.2/23

0.000+/-0.000 χ^2/NDF : 1582861.6/48

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: 148.612 $\pm$ 0.000 χ^2 /NDF: 12072638.0/6

Right Out: 144.197 $\pm$ 0.000 χ^2 /NDF: 4523139755.0/19

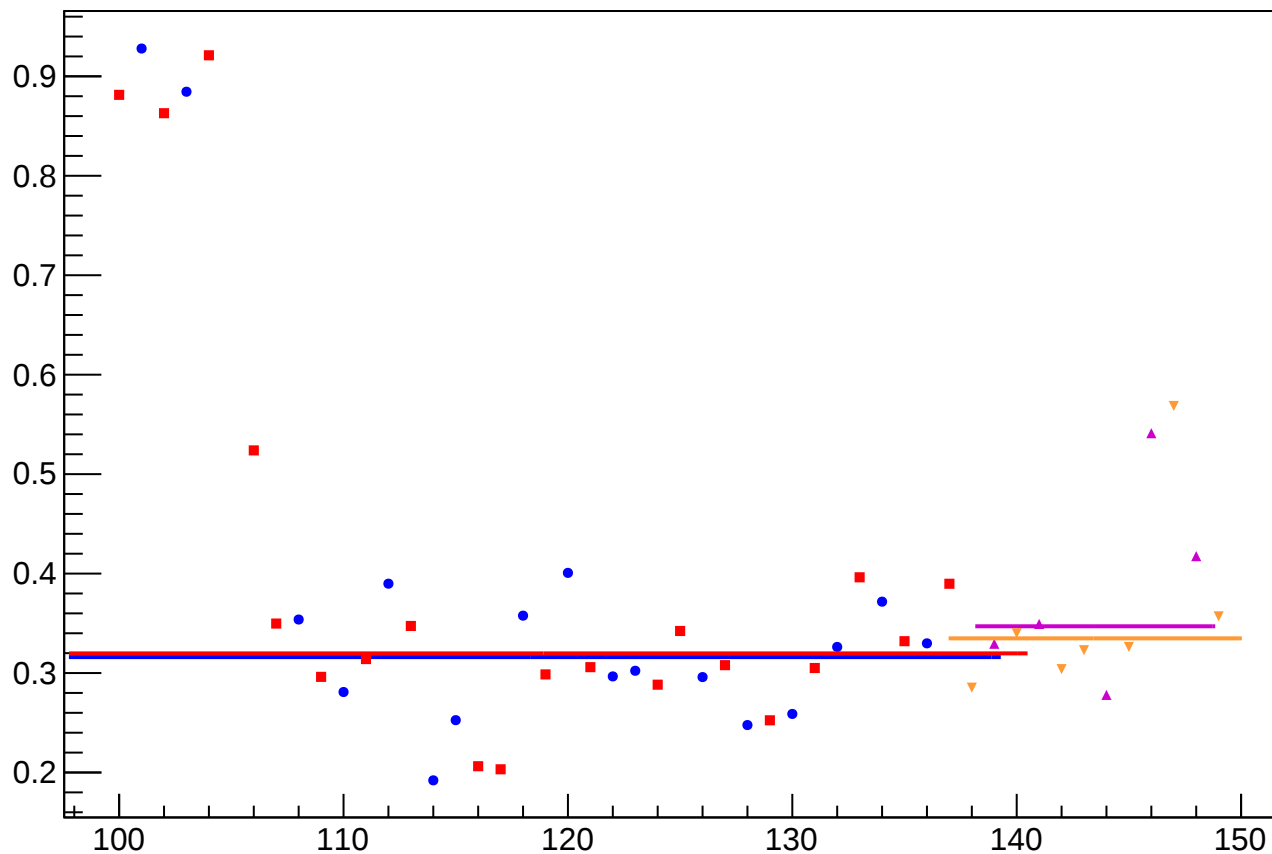
Left In: 148.710 $\pm$ 0.000 χ^2 /NDF: 2101644.0/4

145.825 $\pm$ 0.000 χ^2 /NDF: 4102965908.2/23

145.799 $\pm$ 0.000 χ^2 /NDF: 9036757969.0/23

145.771 $\pm$ 0.000 χ^2 /NDF: 4933654872.6/24

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 +/- 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.335 +/- 0.000 χ^2/NDF : 309269.4/6

Right Out: 0.320 +/- 0.000 χ^2/NDF : 1241752.3/19

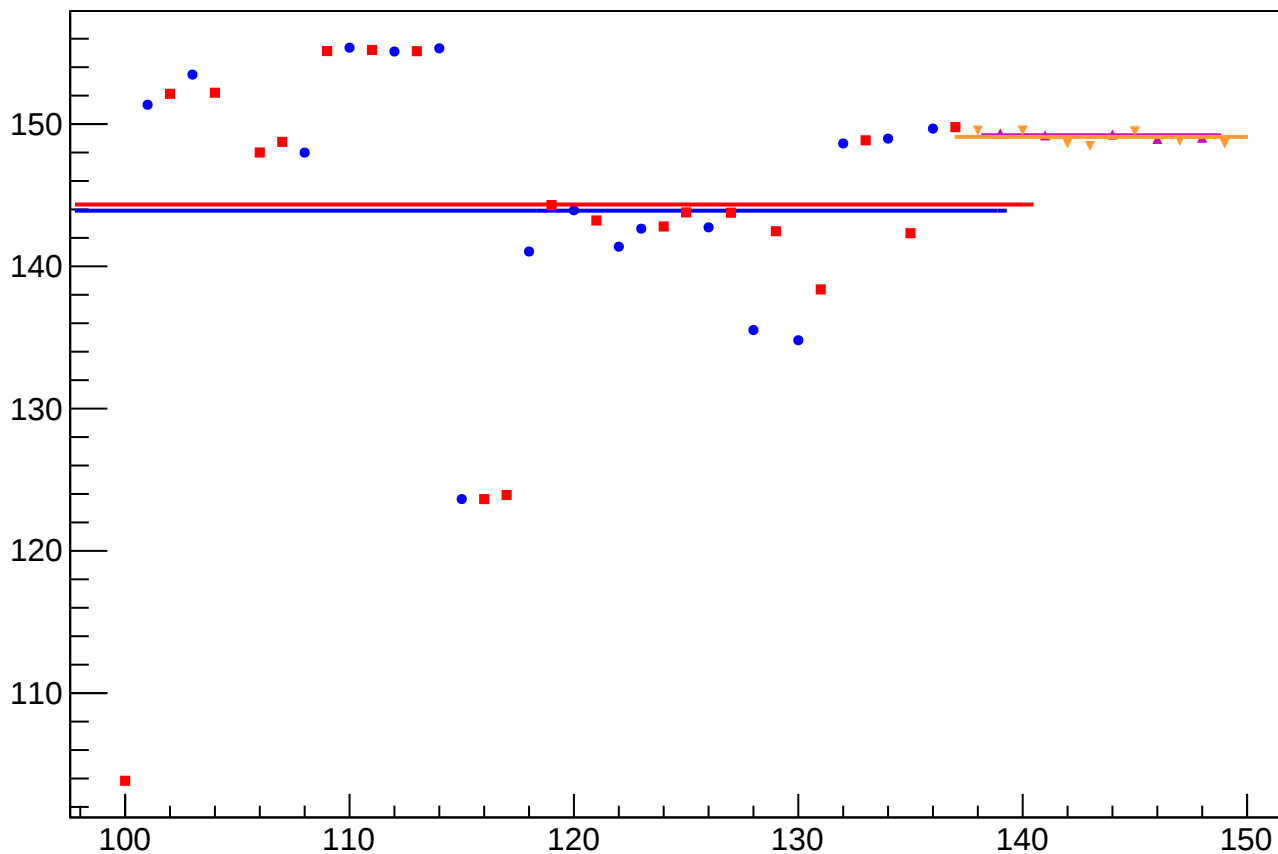
Left In: 0.347 +/- 0.000 χ^2/NDF : 354683.9/4

0.324 +/- 0.000 χ^2/NDF : 1591978.7/23

0.327 +/- 0.000 χ^2/NDF : 3220715.4/48

0.329 +/- 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: 149.098 $\pm$ 0.000 χ^2 /NDF: 8798142.8/6

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

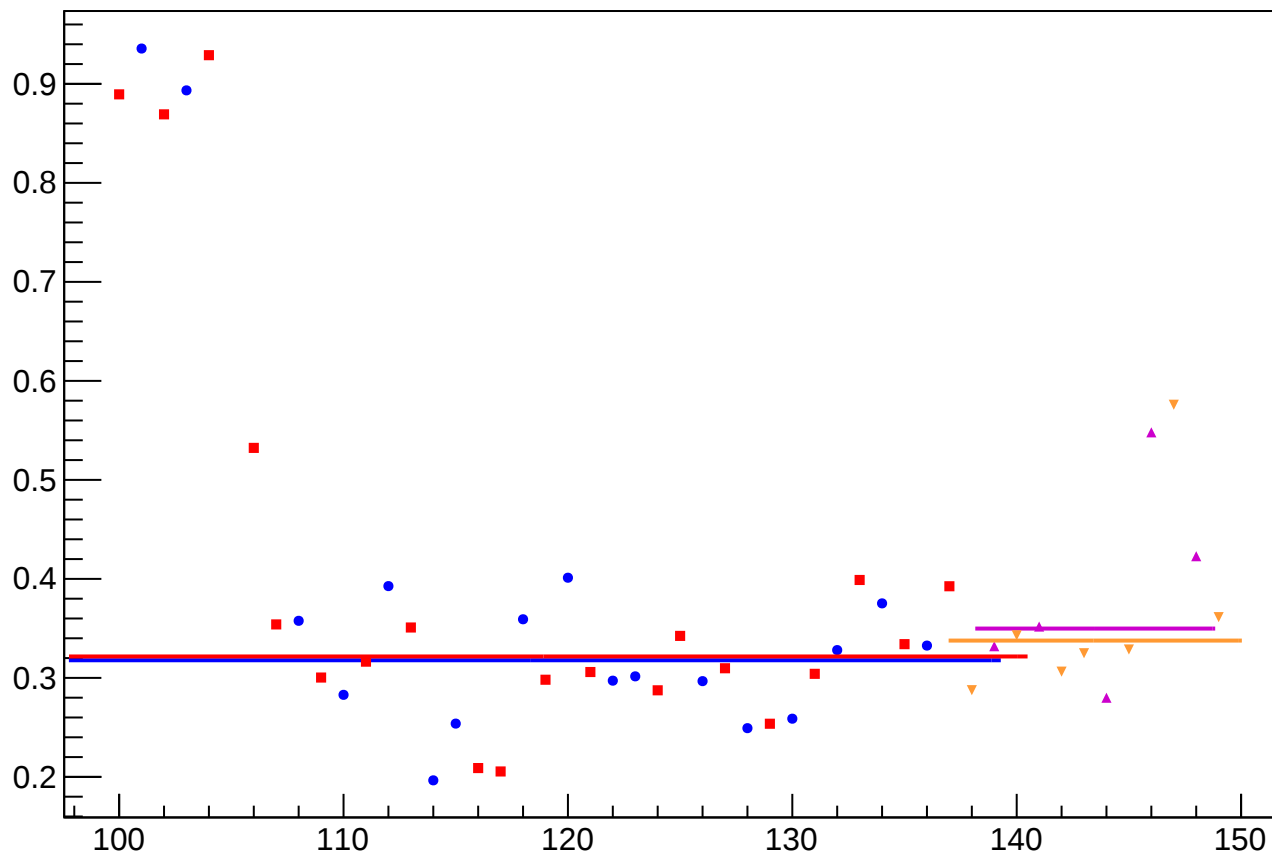
Left In: 149.212 $\pm$ 0.000 χ^2 /NDF: 453081.7/4

146.110 $\pm$ 0.000 χ^2 /NDF: 4223494257.1/23

146.076 $\pm$ 0.000 χ^2 /NDF: 9242321518.9/23

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: 0.338 $\pm$ 0.000 χ^2/NDF : 313826.1/6

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244304.0/19

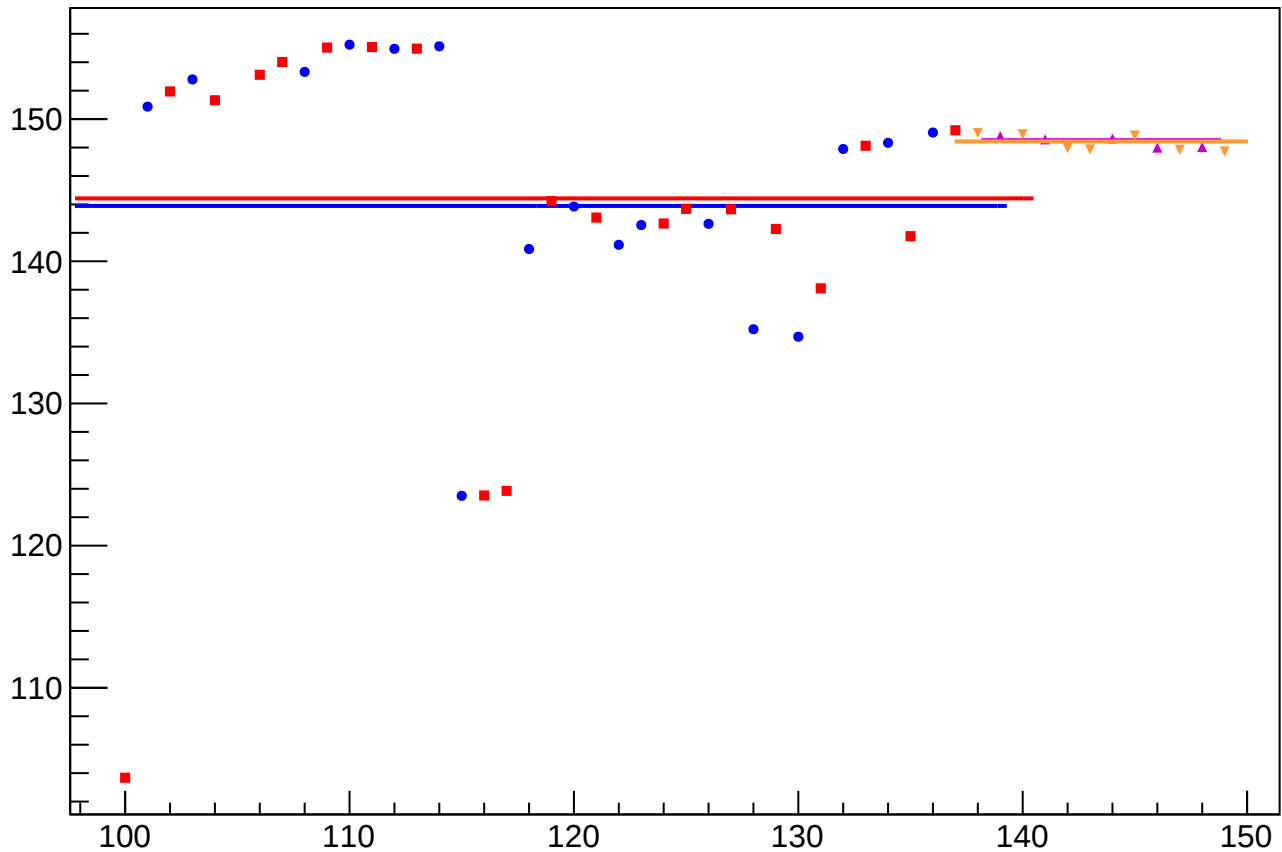
Left In: 0.350 $\pm$ 0.000 χ^2/NDF : 361142.8/4

0.326 $\pm$ 0.000 χ^2/NDF : 1600512.3/23

0.329 $\pm$ 0.000 χ^2/NDF : 3239792.3/48

0.331 $\pm$ 0.000 χ^2/NDF : 1636818.7/24

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.432+/-0.000 χ^2/NDF : 12649064.2/6

Right Out: 144.423+/-0.000 χ^2/NDF : 4819194675.6/19

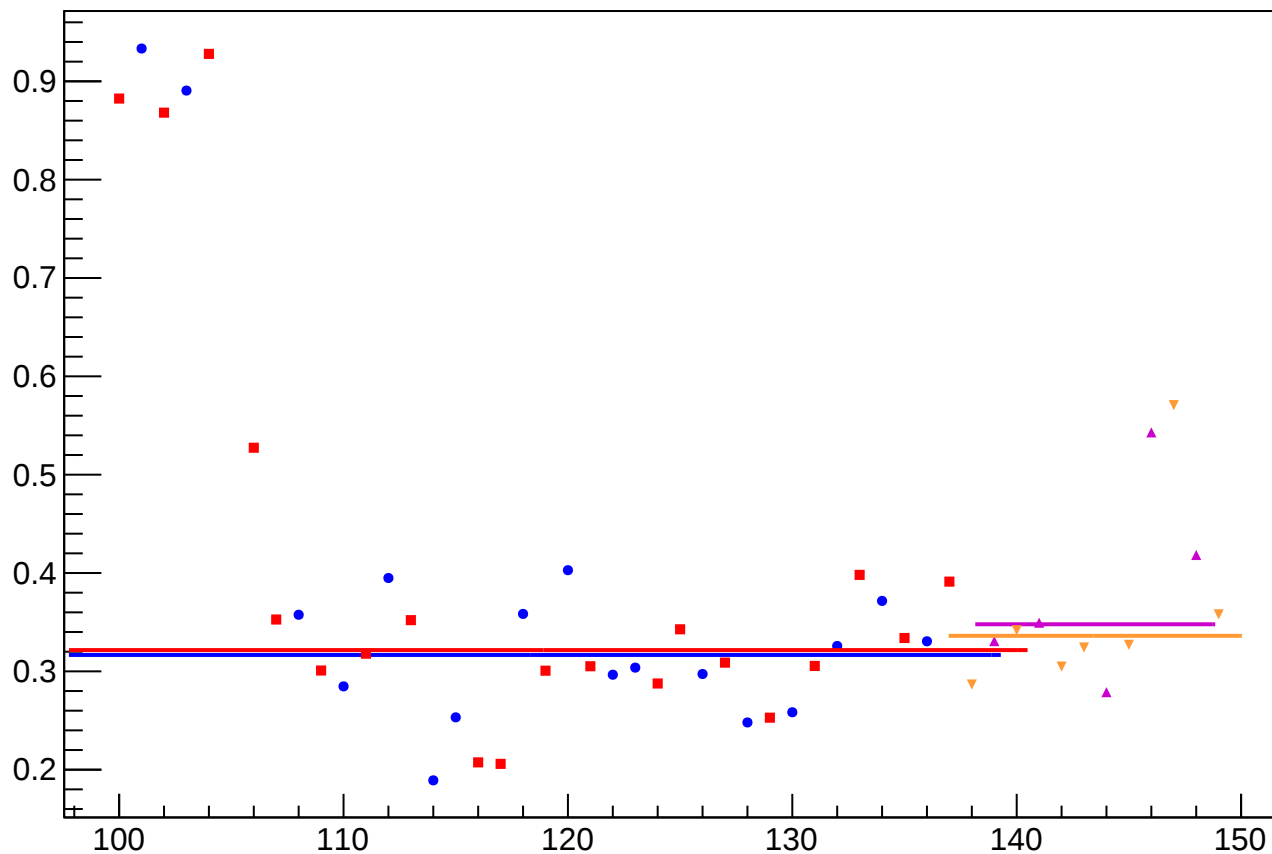
Left In: 148.519+/-0.000 χ^2/NDF : 2390747.4/4

145.822+/-0.000 χ^2/NDF : 4249230216.9/23

145.839+/-0.000 χ^2/NDF : 9404862870.0/23

145.858+/-0.000 χ^2/NDF : 5155574738.8/24

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.336+/-0.000 χ^2/NDF : 308918.5/6

Right Out: 0.322+/-0.000 χ^2/NDF : 1244671.1/19

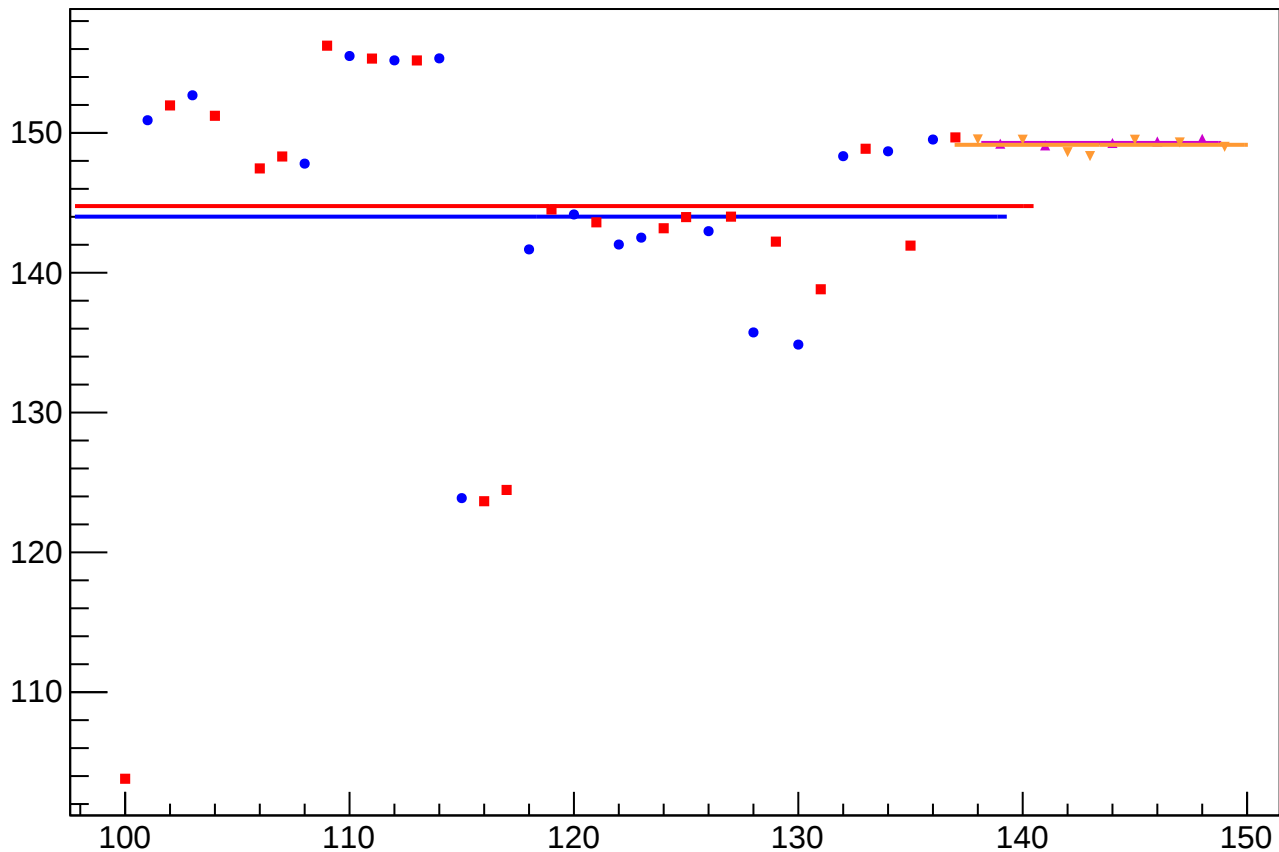
Left In: 0.348+/-0.000 χ^2/NDF : 354431.6/4

0.325+/-0.000 χ^2/NDF : 1607045.1/23

0.328+/-0.000 χ^2/NDF : 3236723.3/48

0.331+/-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: 149.150 $\pm$ 0.000 χ^2 /NDF: 7438925.1/6

Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

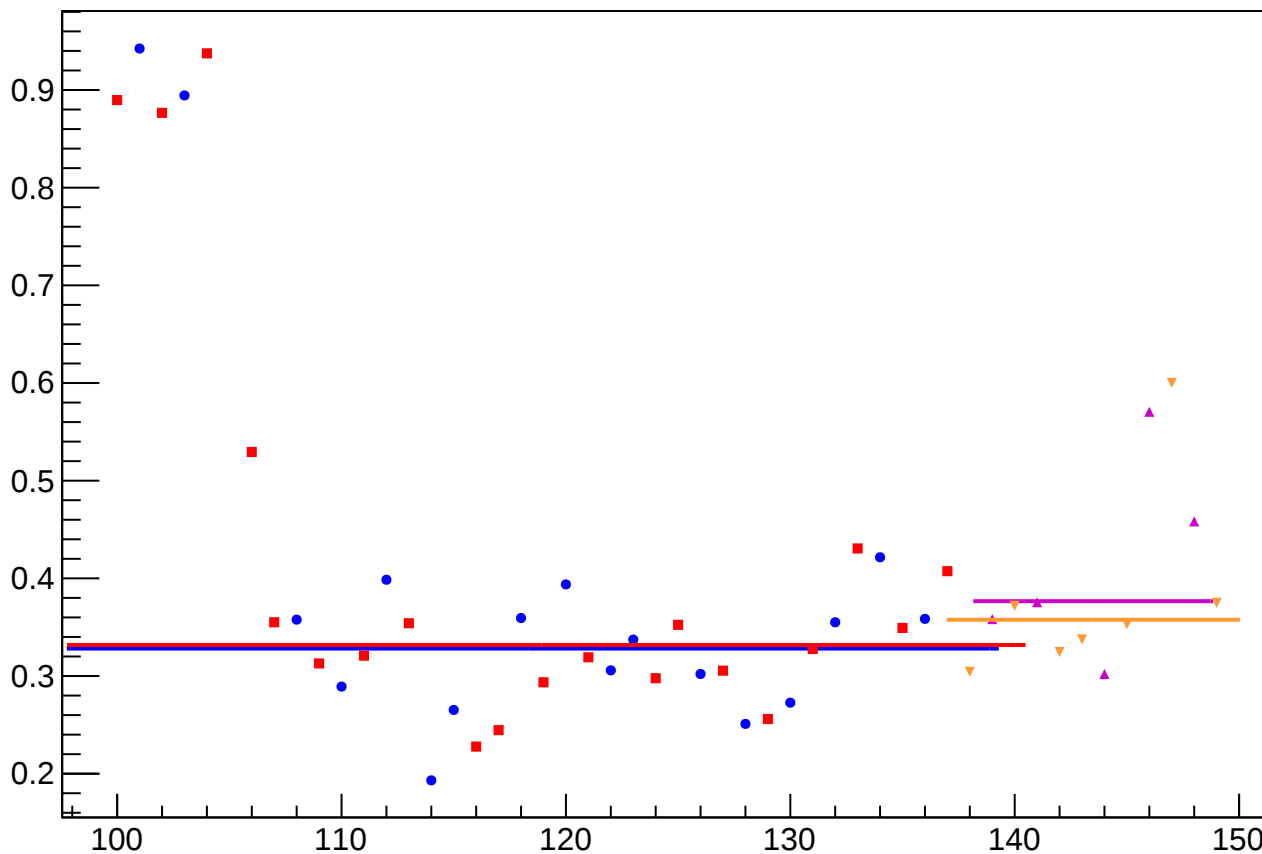
Left In: 149.283 $\pm$ 0.000 χ^2 /NDF: 535880.6/4

146.122 $\pm$ 0.000 χ^2 /NDF: 3805509876.5/23

146.183 $\pm$ 0.000 χ^2 /NDF: 8261659549.5/23

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 $\chi^2/\text{NDF}: 1265892.9/16$

Left Out: 0.358 ± 0.000 $\chi^2/\text{NDF}: 300401.7/6$

Right Out: 0.332 ± 0.000 $\chi^2/\text{NDF}: 1194167.8/19$

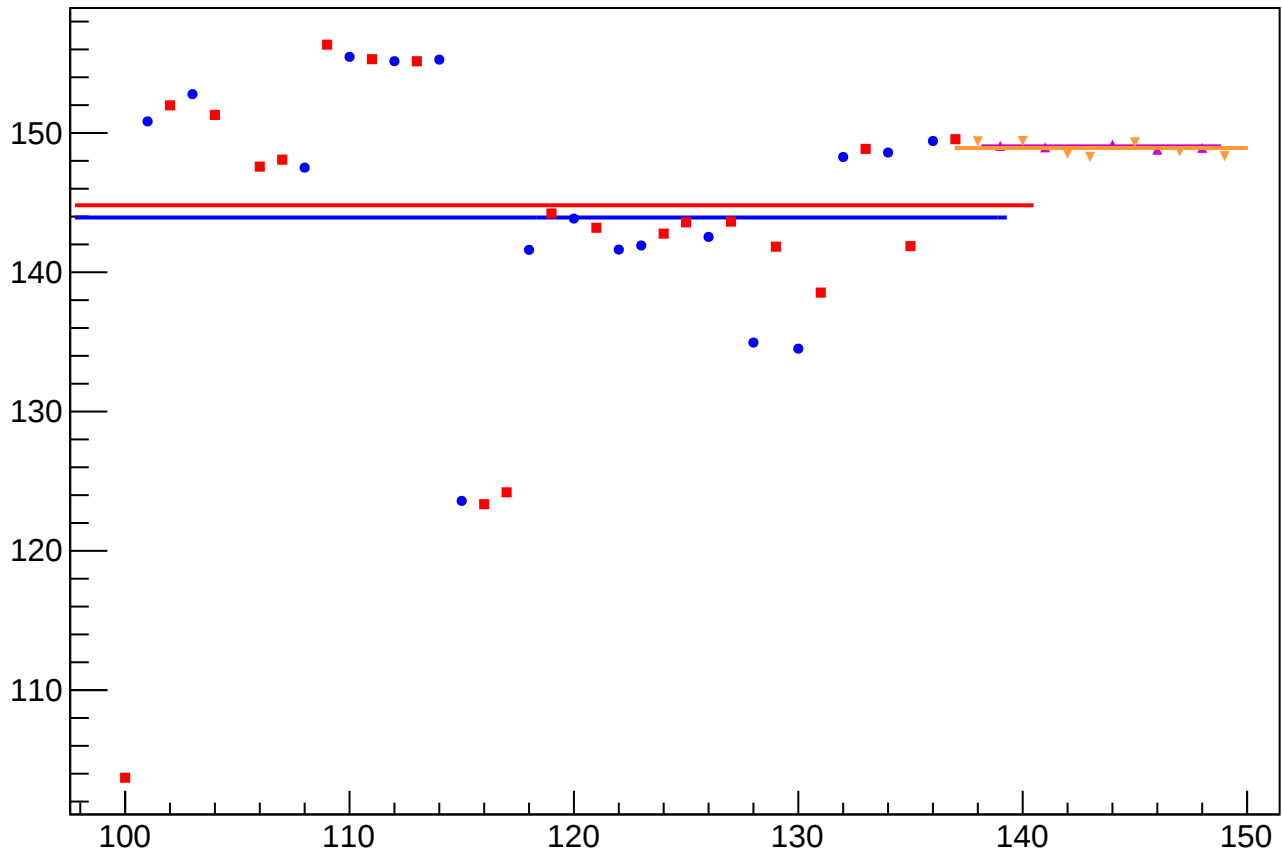
Left In: 0.377 ± 0.000 $\chi^2/\text{NDF}: 334686.8/4$

0.340 ± 0.000 $\chi^2/\text{NDF}: 1602916.7/23$

0.343 ± 0.000 $\chi^2/\text{NDF}: 3205462.4/48$

0.347 ± 0.000 $\chi^2/\text{NDF}: 1599277.4/24$

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 148.921 $\pm$ 0.000 χ^2 /NDF: 8929637.6/6

Right Out: 144.809 $\pm$ 0.000 χ^2 /NDF: 4138041955.6/19

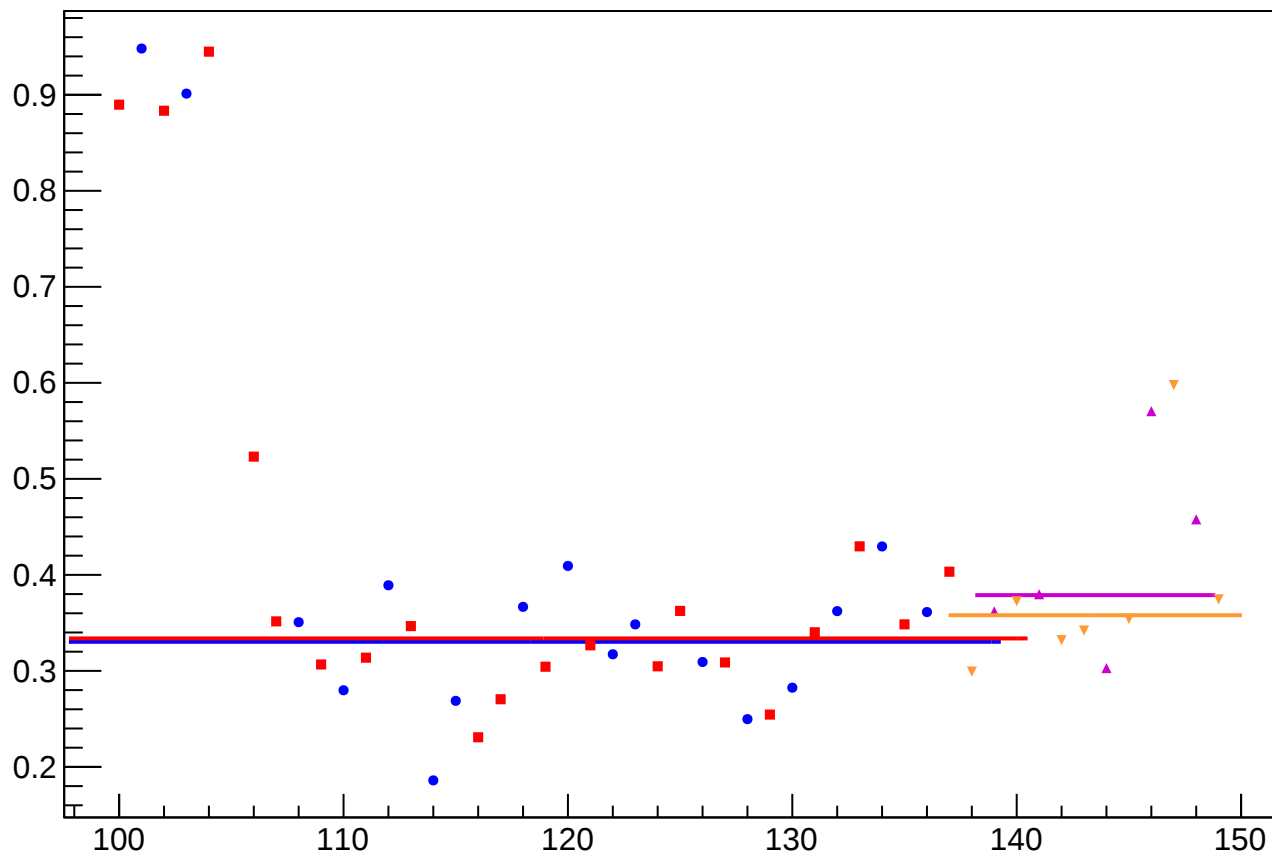
Left In: 149.040 $\pm$ 0.000 χ^2 /NDF: 351305.8/4

145.994 $\pm$ 0.000 χ^2 /NDF: 3910882893.6/23

146.090 $\pm$ 0.000 χ^2 /NDF: 8359905372.2/24

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: 0.358 $\pm$ 0.000 χ^2/NDF : 301314.7/6

Right Out: 0.334 $\pm$ 0.000 χ^2/NDF : 1177889.1/19

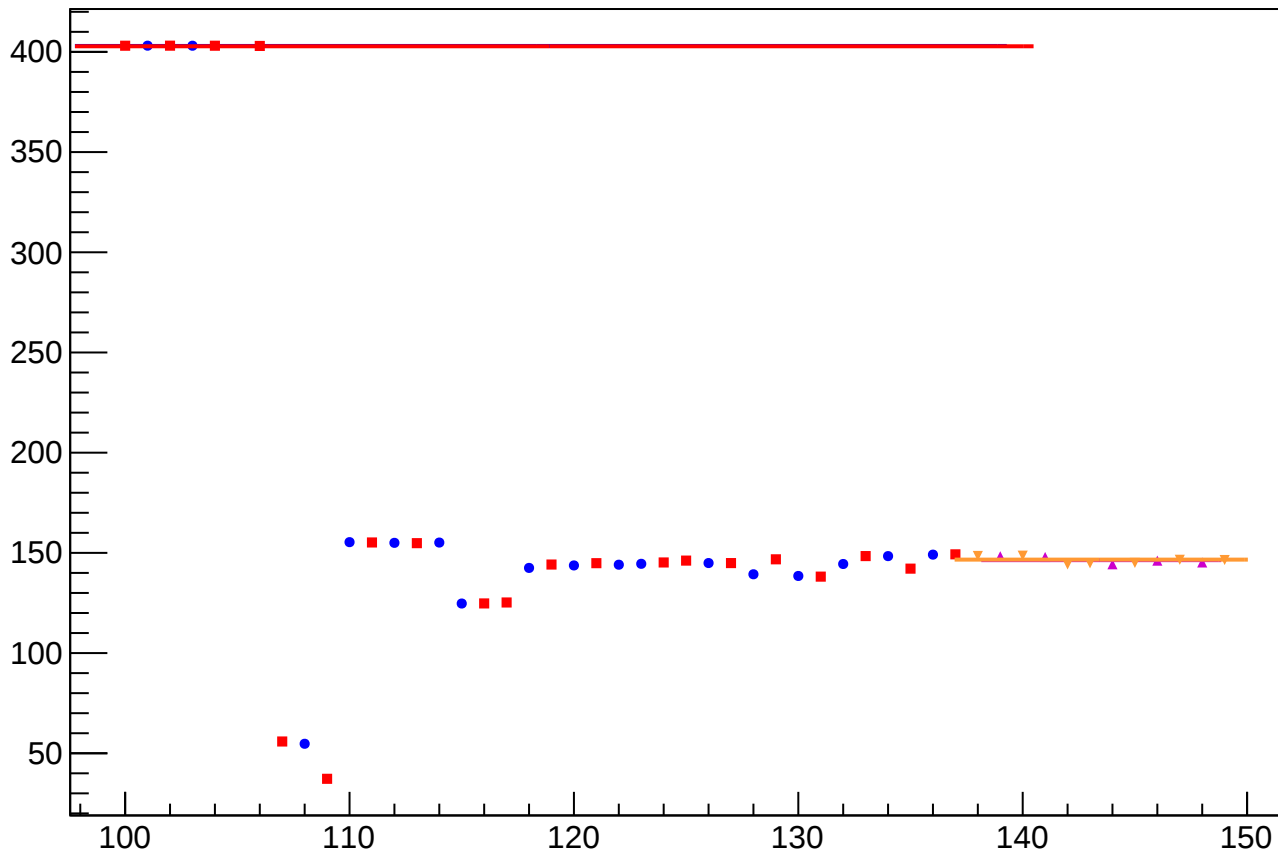
Left In: 0.379 $\pm$ 0.000 χ^2/NDF : 328754.3/4

0.342 $\pm$ 0.000 χ^2/NDF : 1617197.4/23

0.345 $\pm$ 0.000 χ^2/NDF : 3197921.4/48

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: 146.636+/-0.000 χ^2/NDF : 21627060.1/6

Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

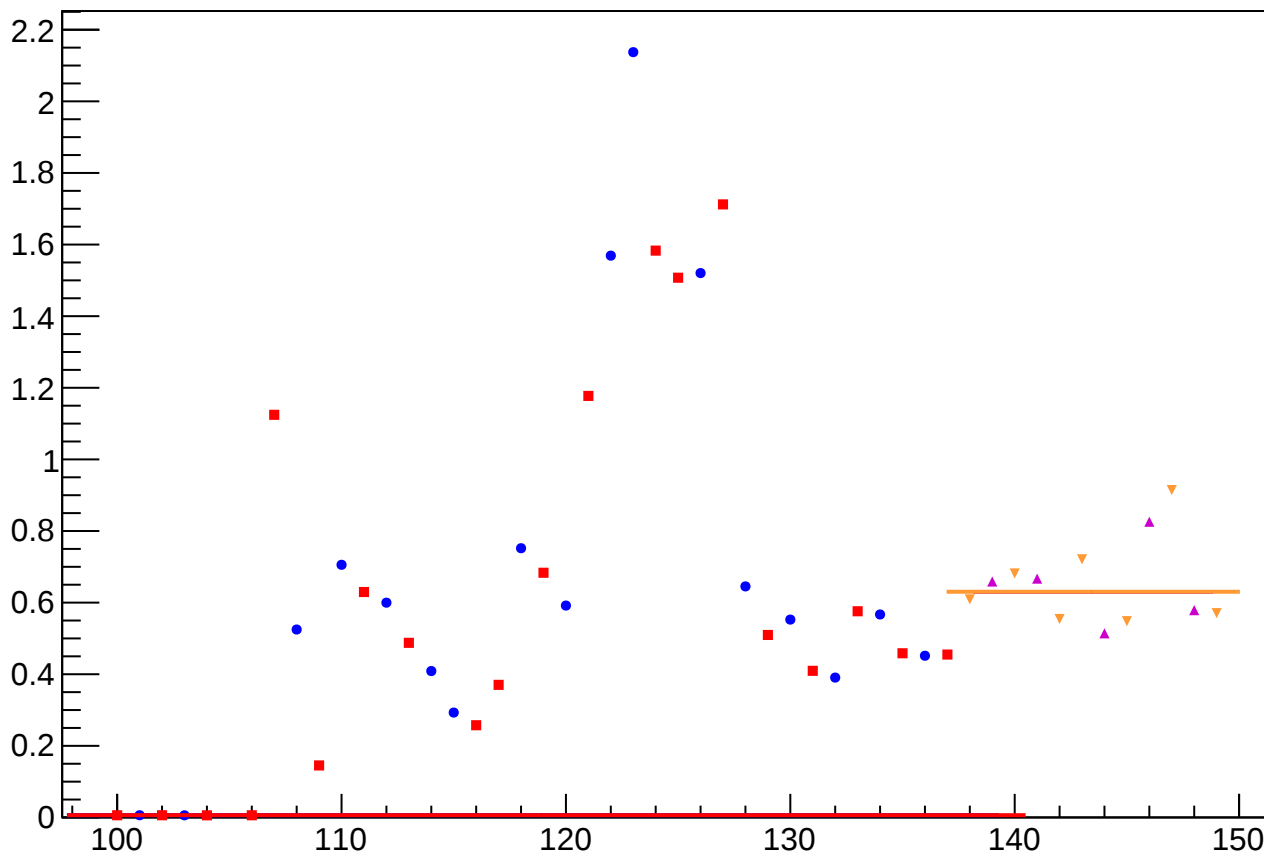
Left In: 146.374+/-0.000 χ^2/NDF : 17771370.0/4

402.891+/-0.000 χ^2/NDF : 1623447786400.6/23

402.815+/-0.000 χ^2/NDF : 518373024224

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: 0.630+/-0.000 χ^2/NDF :157923.0/6

Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

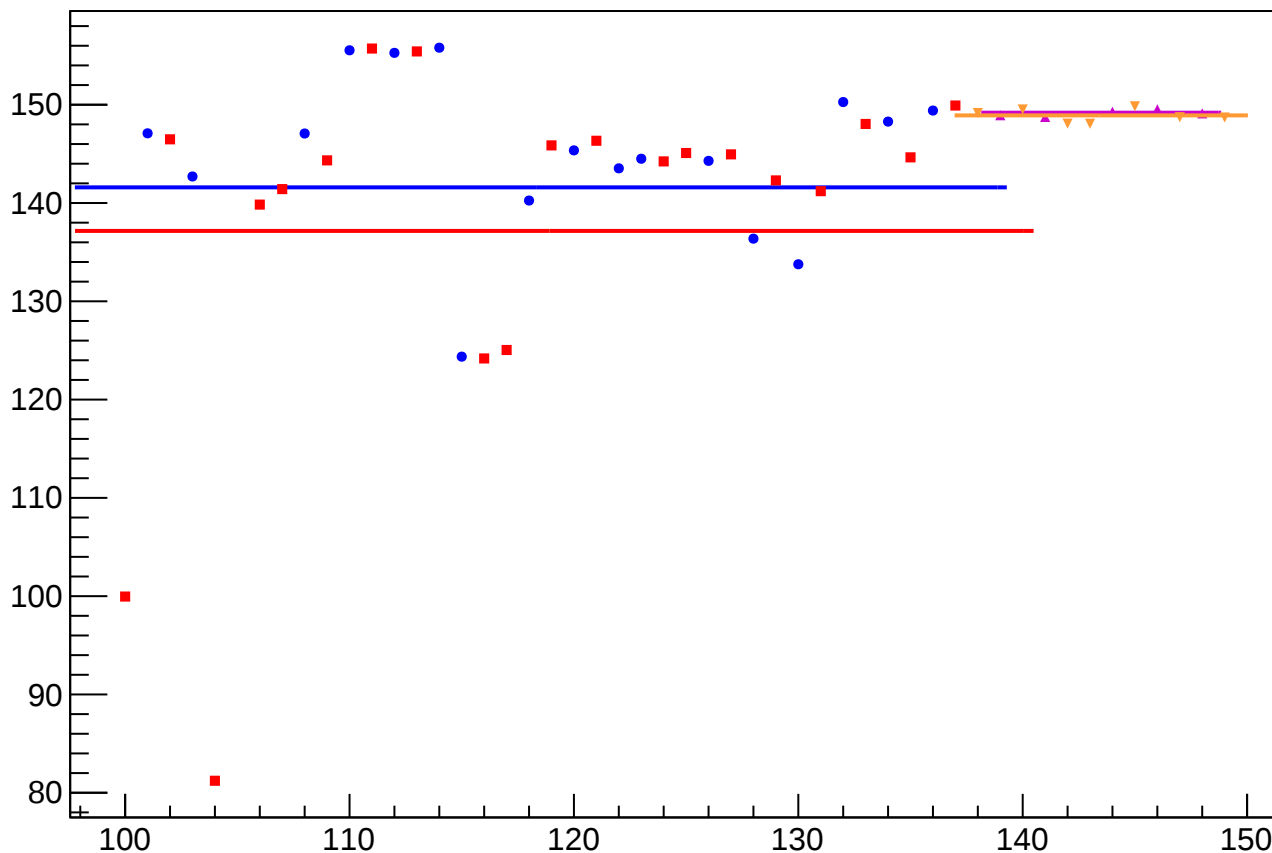
Left In: 0.630+/-0.000 χ^2/NDF :119246.1/4

0.006+/-0.000 χ^2/NDF : 15508557.2/23

0.006+/-0.000 χ^2/NDF : 30075639.2/48

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: 148.917+/-0.000 χ^2/NDF : 6722882.3/6

Right Out: 137.162+/-0.000 χ^2/NDF : 1366089515.6/19

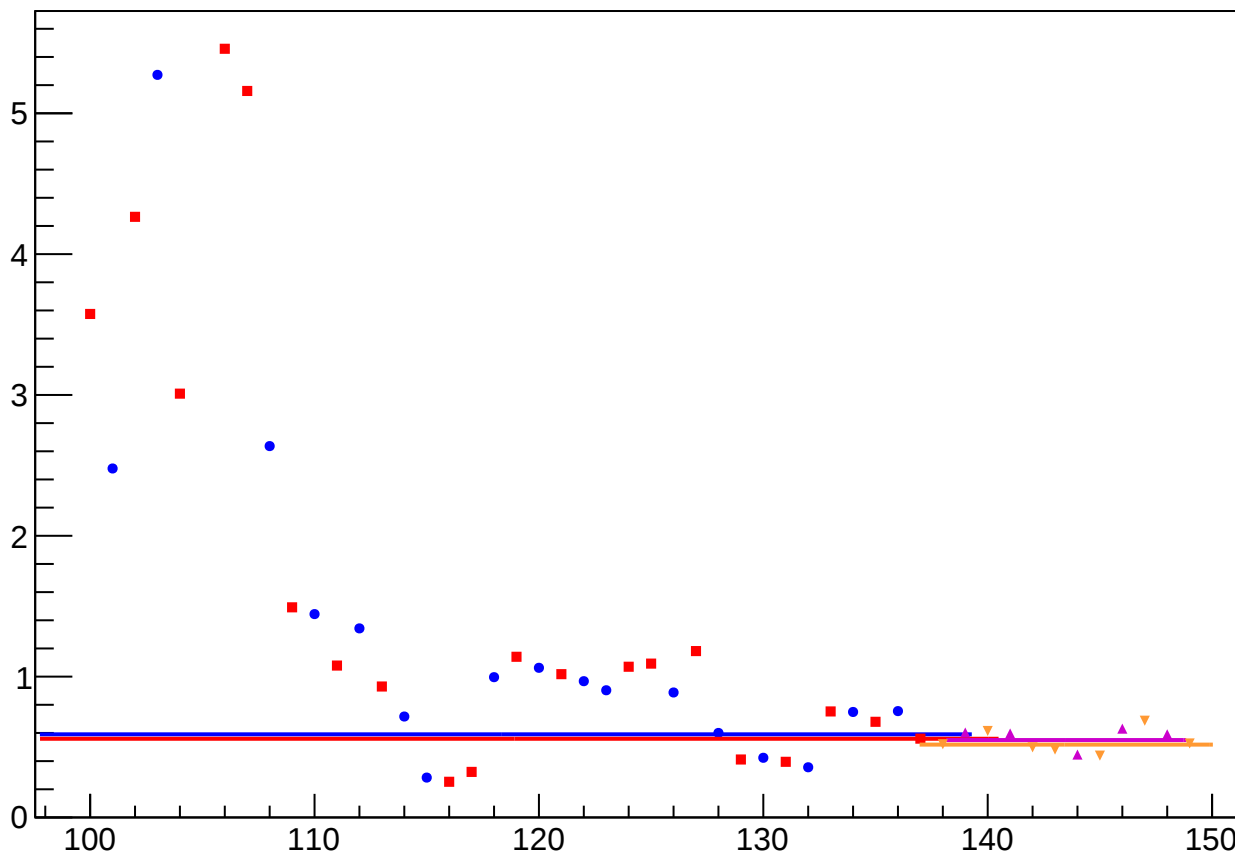
Left In: 149.191+/-0.000 χ^2/NDF : 635720.6/4

145.916+/-0.000 χ^2/NDF : 1306438919.6/23

144.567+/-0.000 χ^2/NDF : 3539879174.5/23

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: 0.517+/-0.000 χ^2/NDF : 162676.3/6

Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

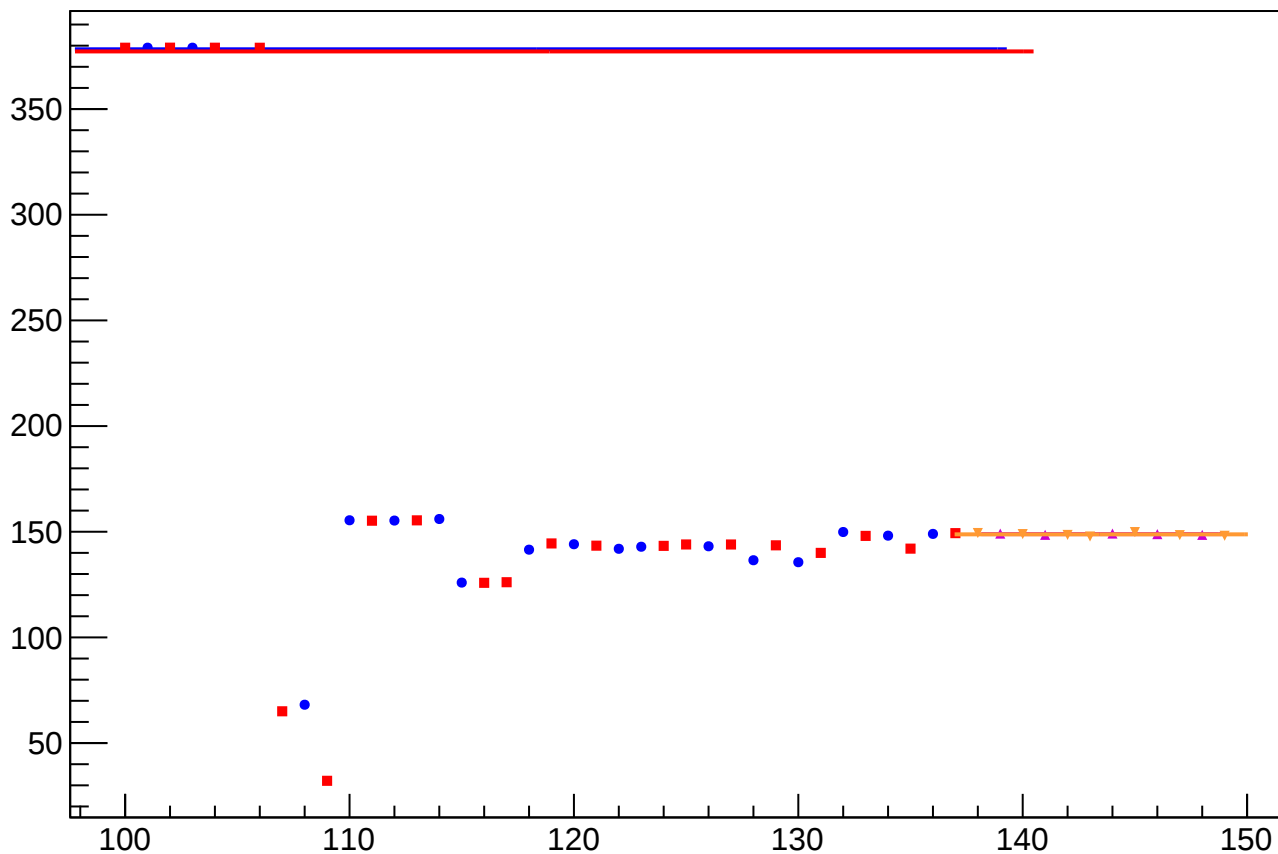
Left In: 0.550+/-0.000 χ^2/NDF : 123800.8/4

0.547+/-0.000 χ^2/NDF : 3718197.9/23

0.550+/-0.000 χ^2/NDF : 8565347.0/48

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: 148.768+/-0.000 χ^2/NDF : 16211298.6/6

Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

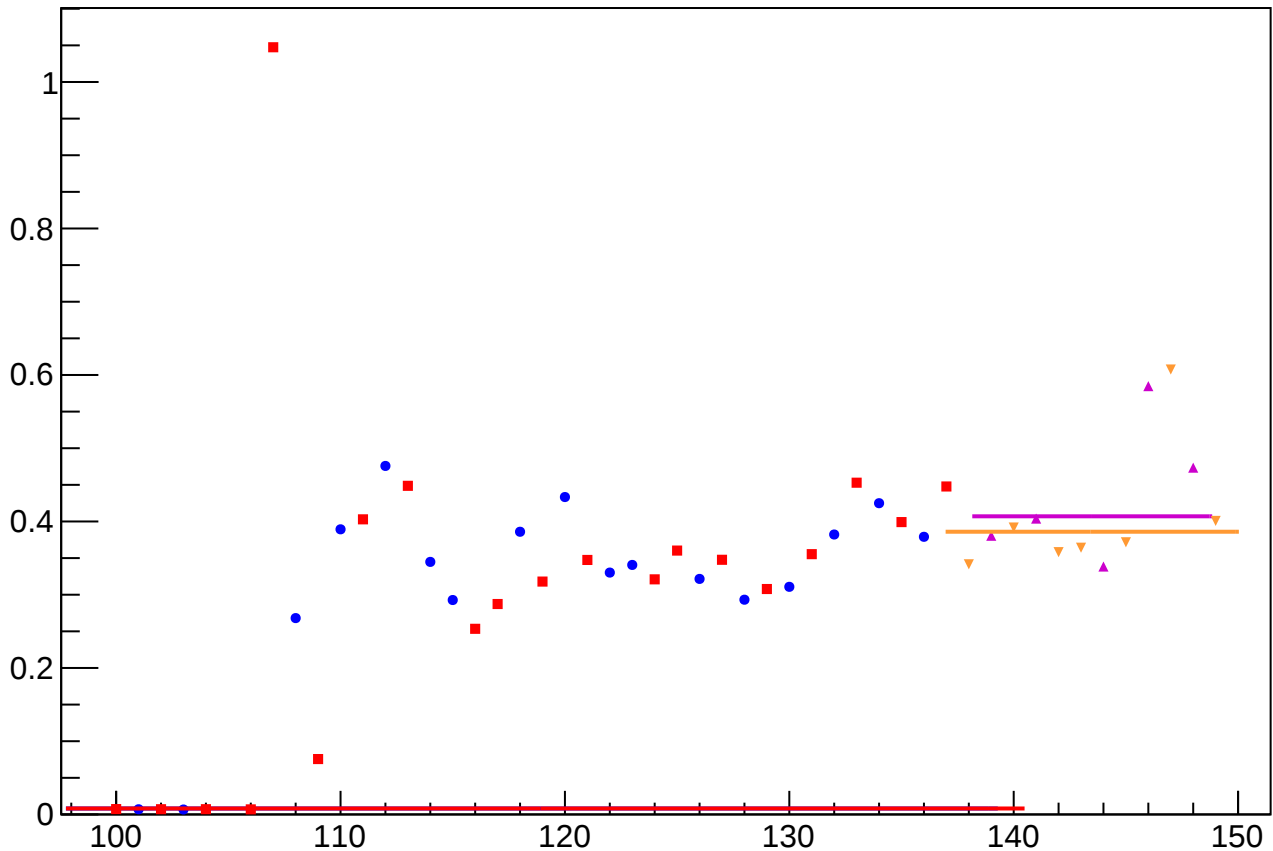
Left In: 148.889+/-0.000 χ^2/NDF : 1781211.8/4

377.742+/-0.000 χ^2/NDF : 4160451015502.9/23

377.313+/-0.000 χ^2/NDF : 136704976752

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: 0.386 $\pm$ 0.000 χ^2/NDF : 234582.4/6

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9589375.6/19

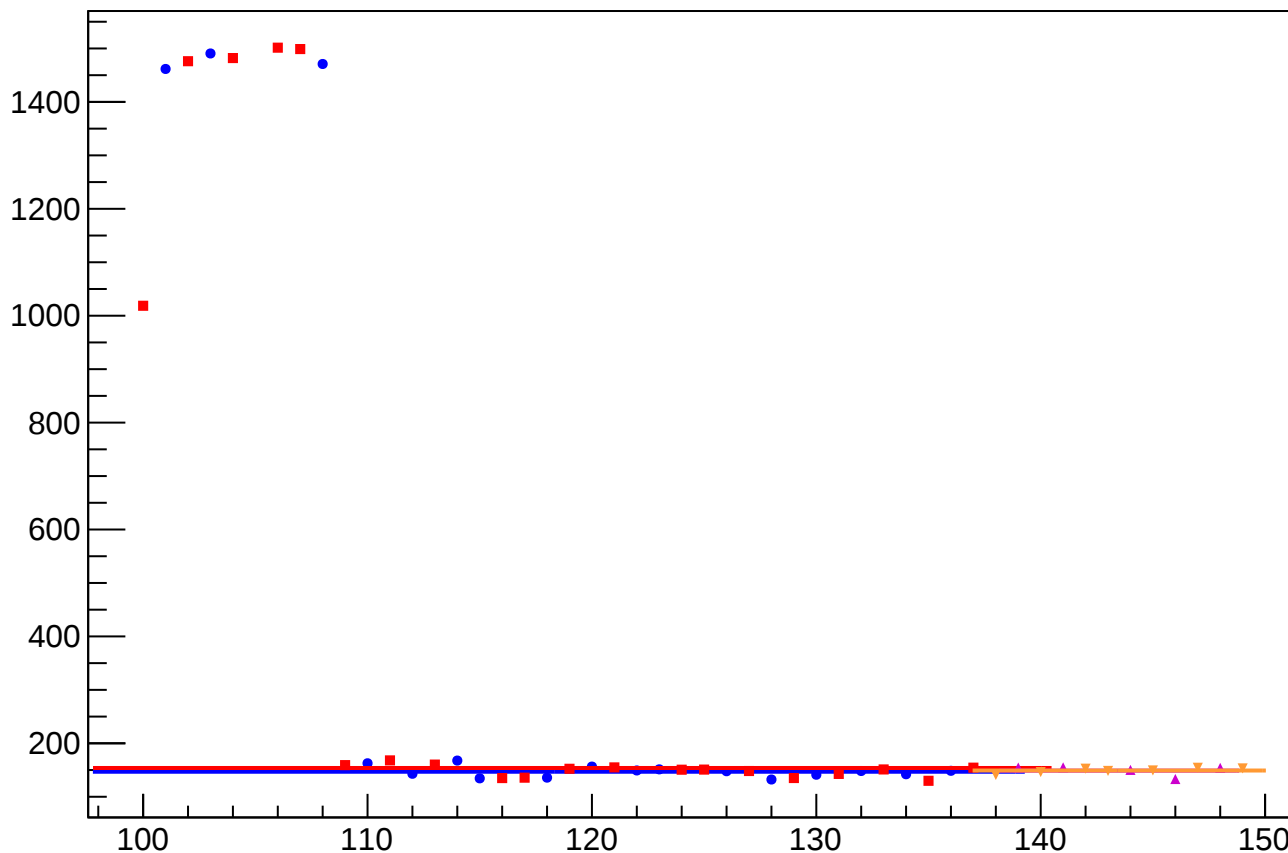
Left In: 0.407 $\pm$ 0.000 χ^2/NDF : 253940.6/4

0.009 $\pm$ 0.000 χ^2/NDF : 18997946.0/23

0.009 $\pm$ 0.000 χ^2/NDF : 36115555.7/48

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: 149.096+/-0.000 χ^2/NDF : 96353205.2/6

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

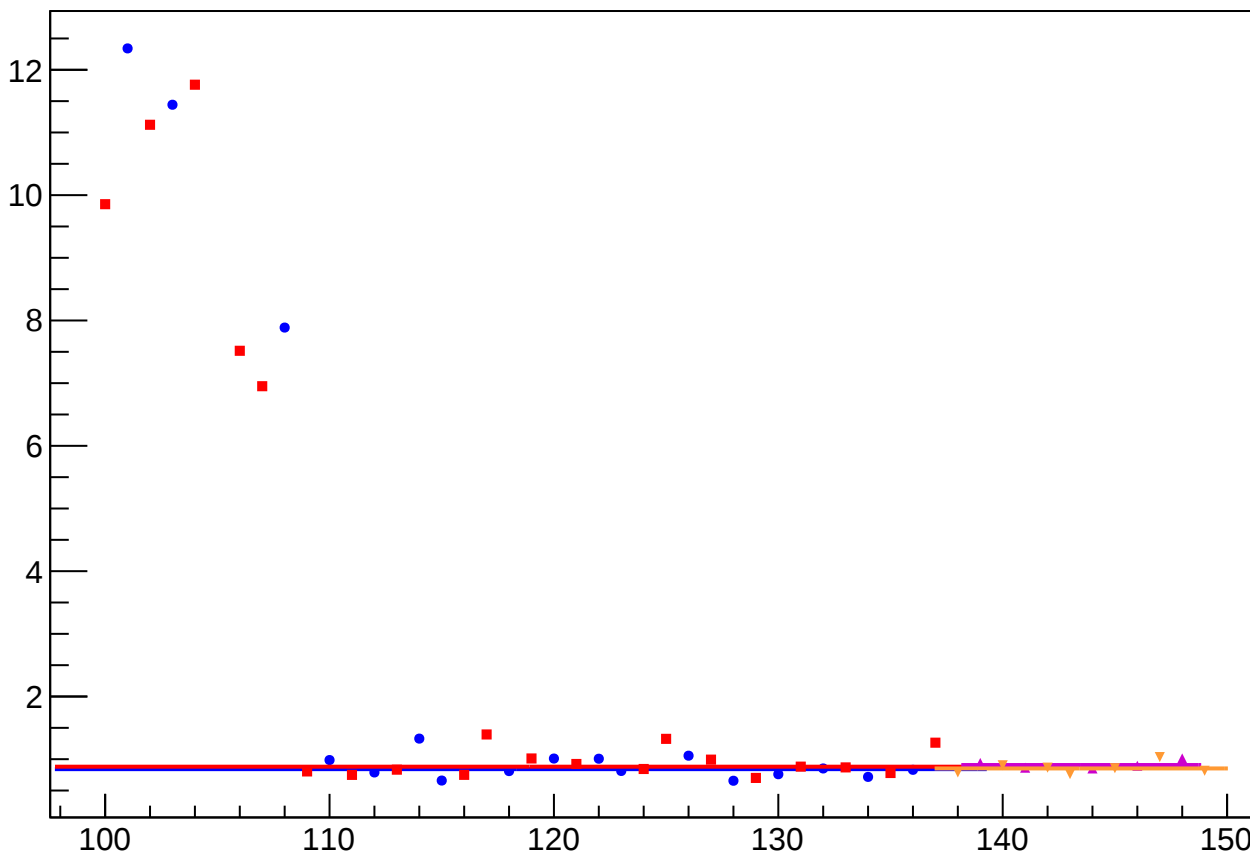
Left In: 148.840+/-0.001 χ^2/NDF : 284179566.5/4

147.929+/-0.000 χ^2/NDF : 24470577457.1/23

149.710+/-0.000 χ^2/NDF : 58625058353.7

151.721+/-0.000 χ^2/NDF : 34084341268.2/24

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 $\pm$ 0.000 χ^2 /NDF: 2662395.1/16

Left Out: 0.852 $\pm$ 0.000 χ^2 /NDF: 67543.7/6

Right Out: 0.880 $\pm$ 0.000 χ^2 /NDF: 2825356.7/19

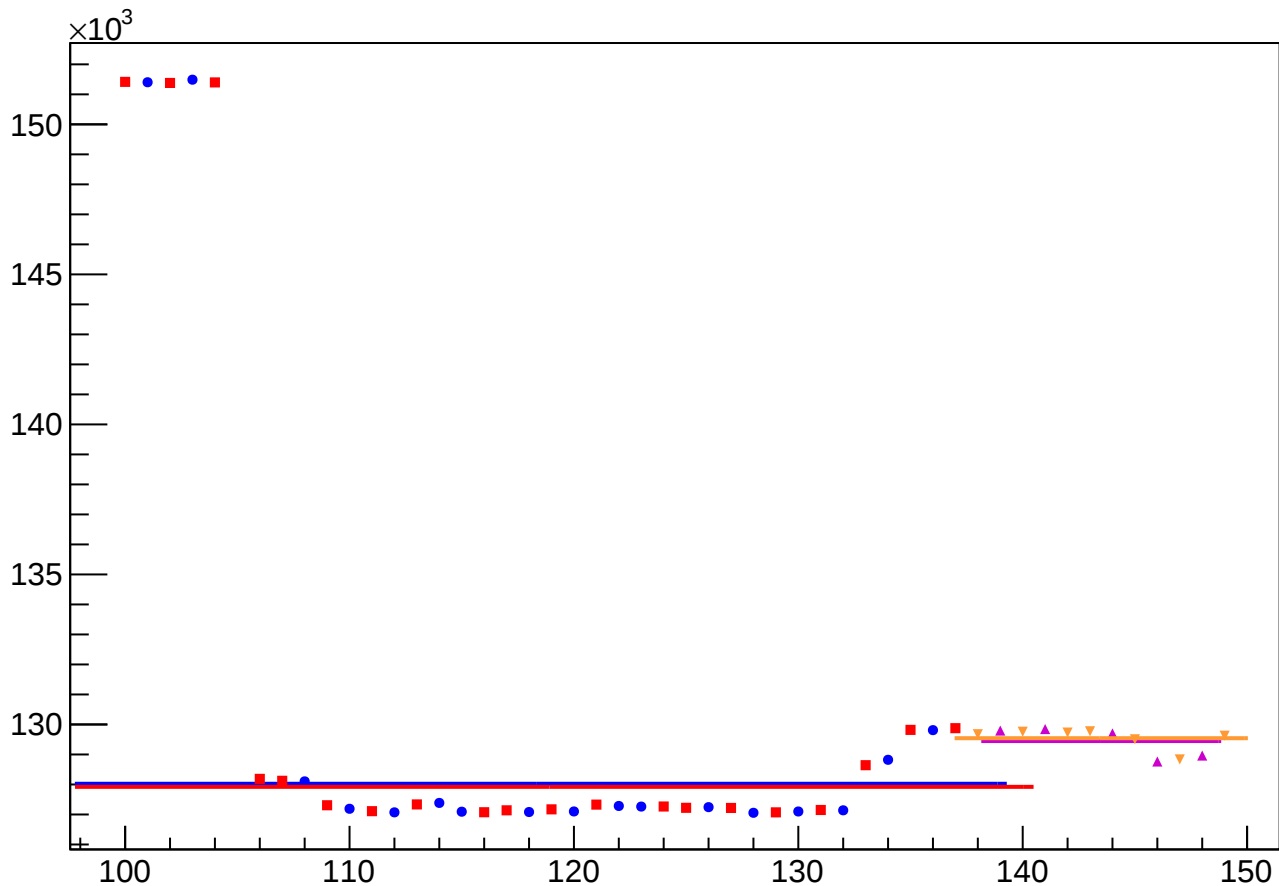
Left In: 0.907 $\pm$ 0.000 χ^2 /NDF: 25632.3/4

0.847 $\pm$ 0.000 χ^2 /NDF: 2730585.2/23

0.868 $\pm$ 0.000 χ^2 /NDF: 5604388.5/48

0.891 $\pm$ 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: 129542.069 $\pm$ 0.076 χ^2 /NDF: 18677495.1/6

Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

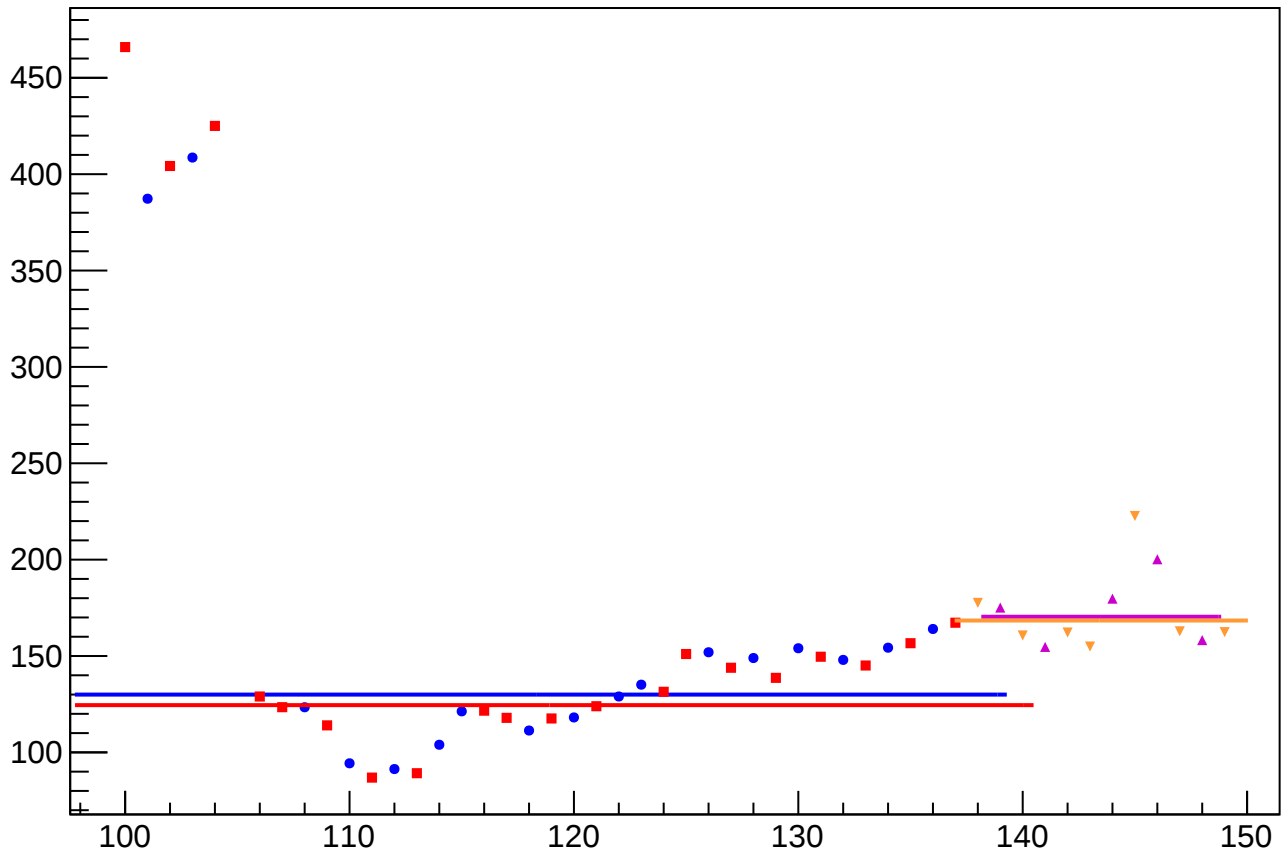
Left In: 129448.029 $\pm$ 0.086 χ^2 /NDF: 26686820.0/4

128535.325 $\pm$ 0.044 χ^2 /NDF: 4596506790.3/23

128420.464 $\pm$ 0.031 χ^2 /NDF: 864170440.0/10

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: 168.411 +/- 0.054 χ^2/NDF : 113466.4/6

Right Out: 124.514 +/- 0.035 χ^2/NDF : 1531546.7/19

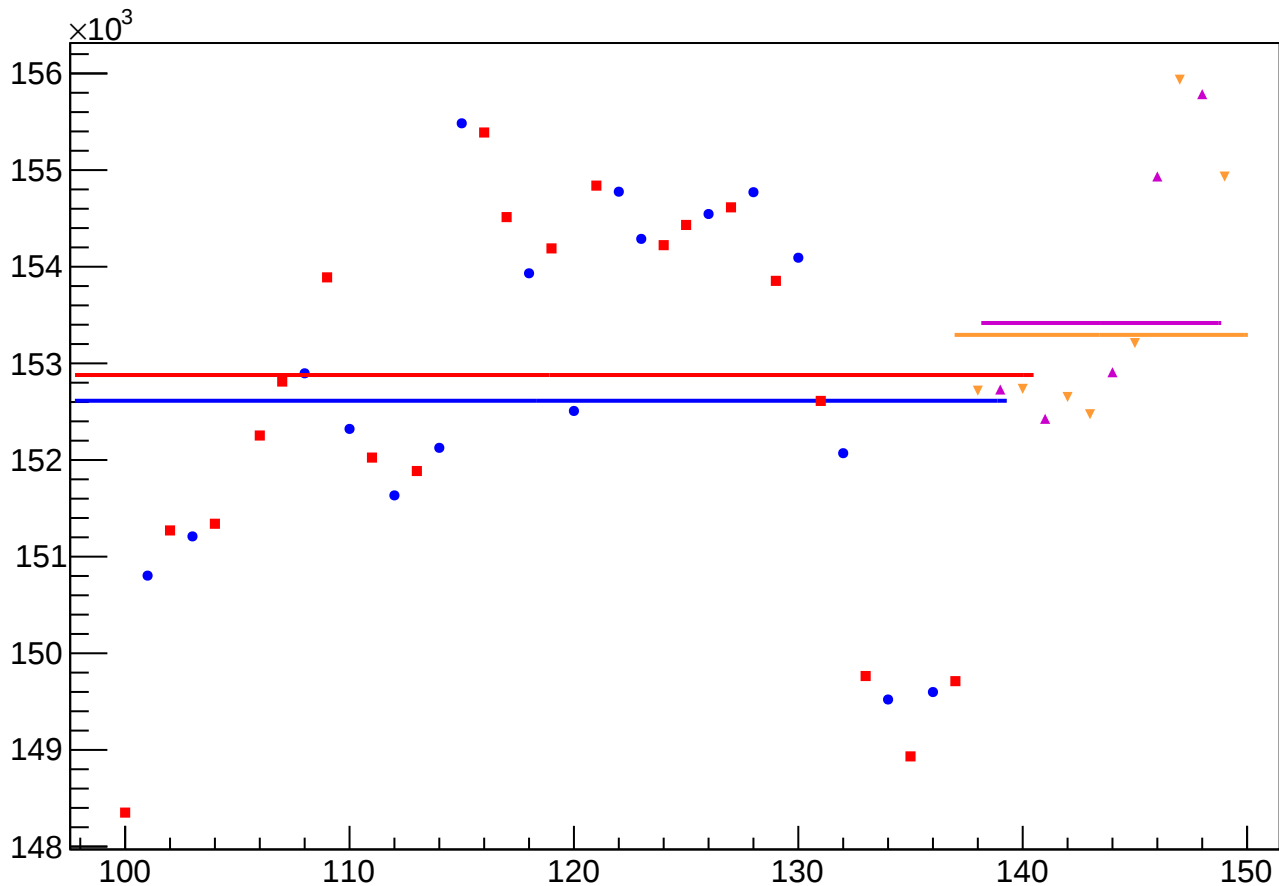
Left In: 170.374 +/- 0.061 χ^2/NDF : 66846.7/4

142.932 +/- 0.031 χ^2/NDF : 1933703.2/23

139.495 +/- 0.022 χ^2/NDF : 3982227.5/48

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: 153294.725 $\pm$ 0.086 χ^2 /NDF: 163551164.7/6

Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

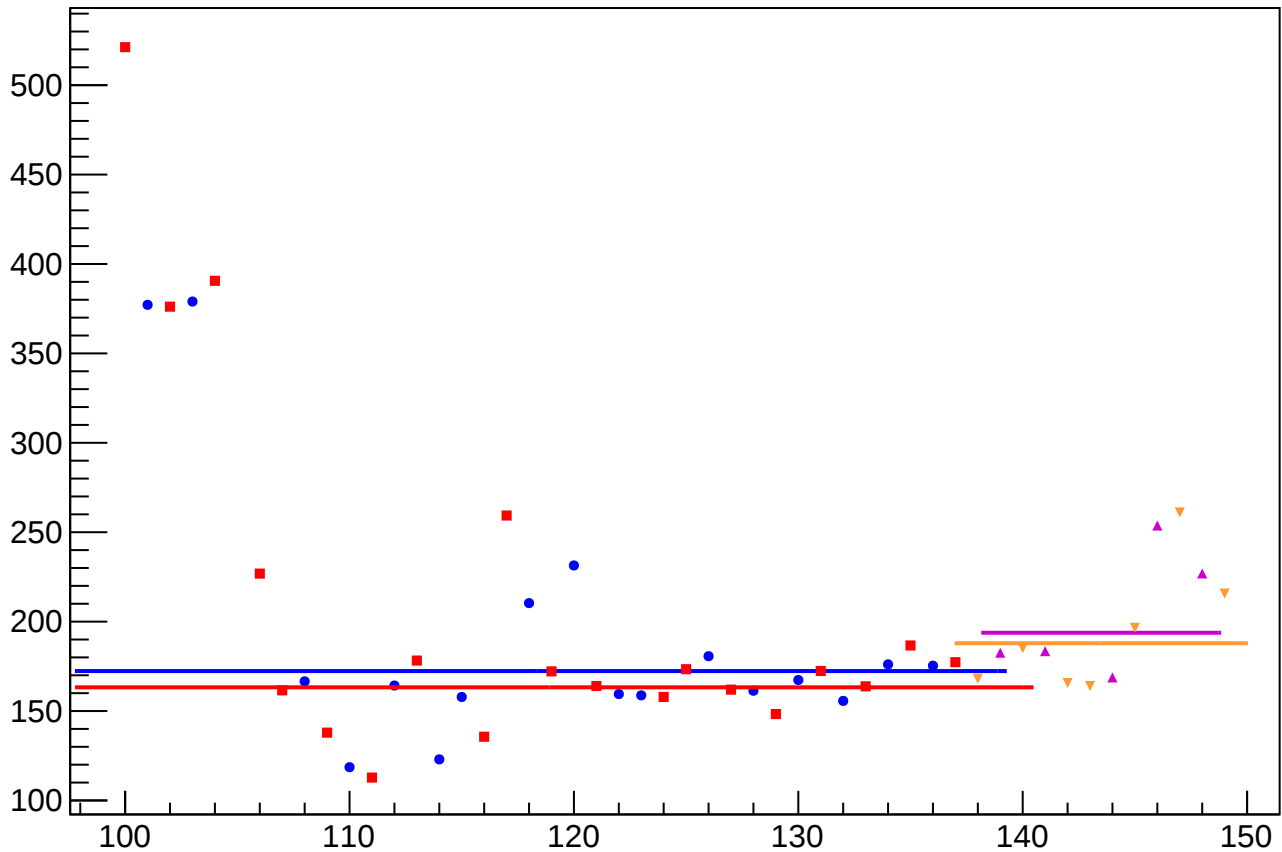
Left In: 153417.878 $\pm$ 0.098 χ^2 /NDF: 155690990.3/4

152894.647 $\pm$ 0.055 χ^2 /NDF: 823650532.1/23

152971.584 $\pm$ 0.039 χ^2 /NDF: 172172968

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: 187.915+/-0.061 χ^2/NDF : 214321.9/6

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

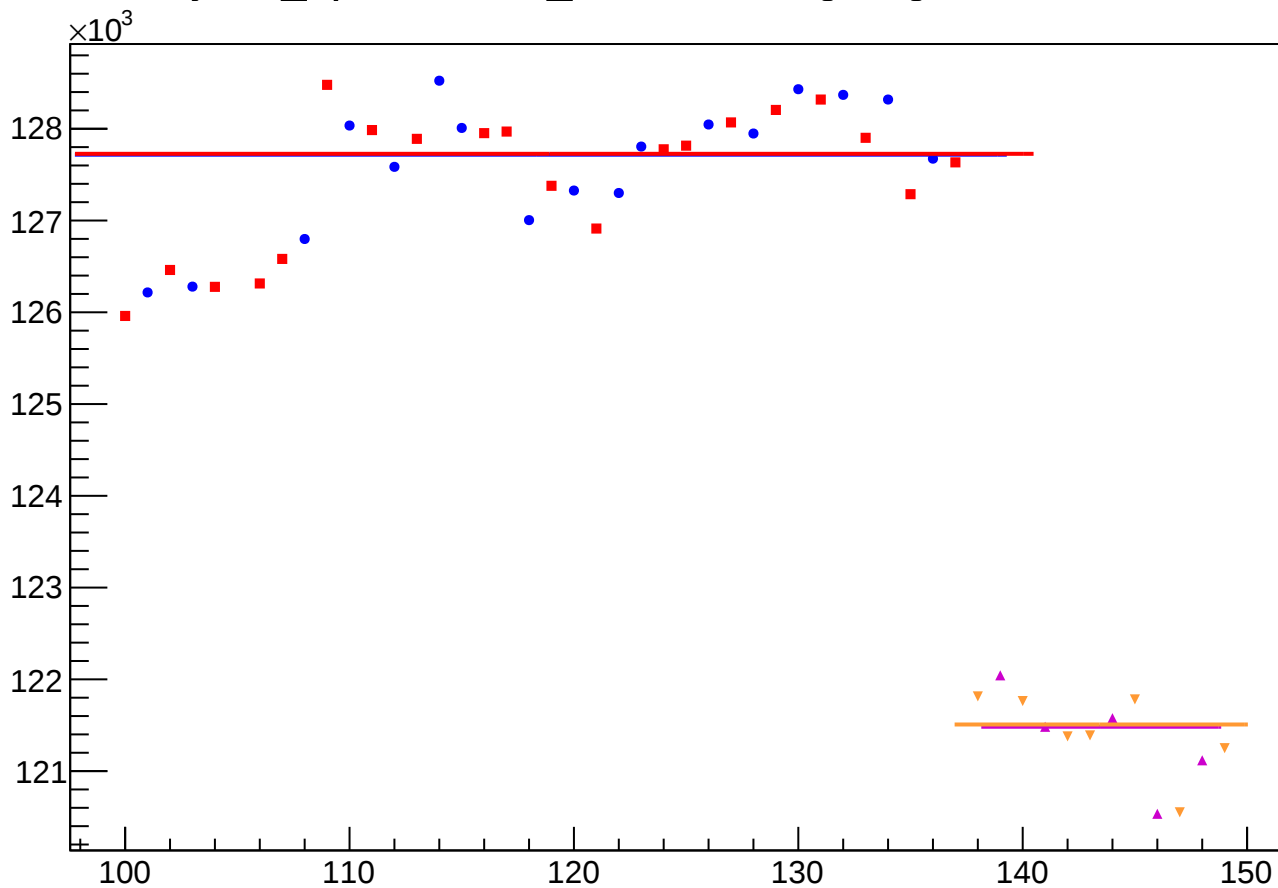
Left In: 193.787+/-0.070 χ^2/NDF : 168934.7/4

178.780+/-0.039 χ^2/NDF : 1174549.4/23

175.750+/-0.028 χ^2/NDF : 2531465.5/48

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: 121508.022 $\pm$ 0.073 χ^2 /NDF: 20478388.3/6

Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

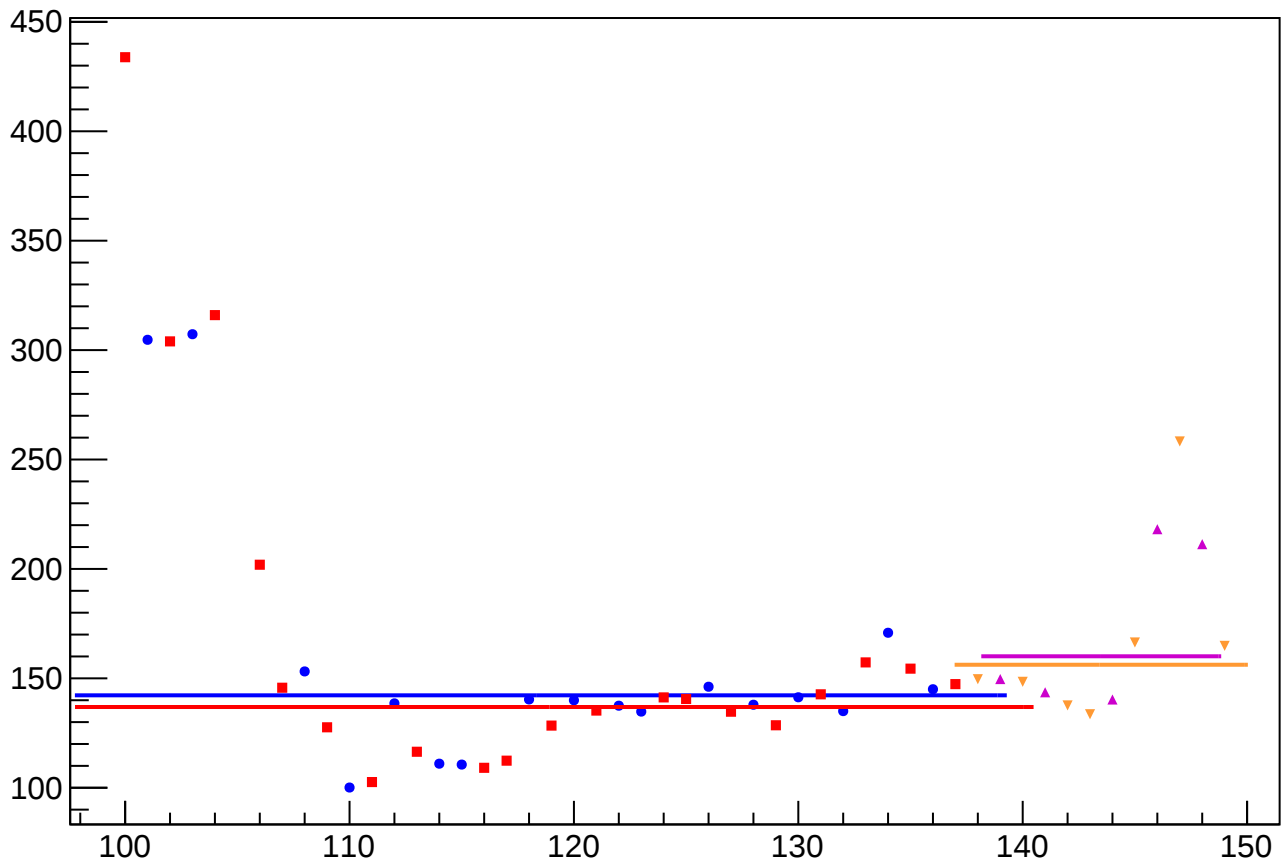
Left In: 121483.562 $\pm$ 0.082 χ^2 /NDF: 27349465.8/4

125281.189 $\pm$ 0.045 χ^2 /NDF: 4569934215.0/23

125556.109 $\pm$ 0.032 χ^2 /NDF: 880970571

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: 156.210 +/- 0.051 χ^2/NDF : 308850.0/6

Right Out: 136.904 +/- 0.038 χ^2/NDF : 961858.5/19

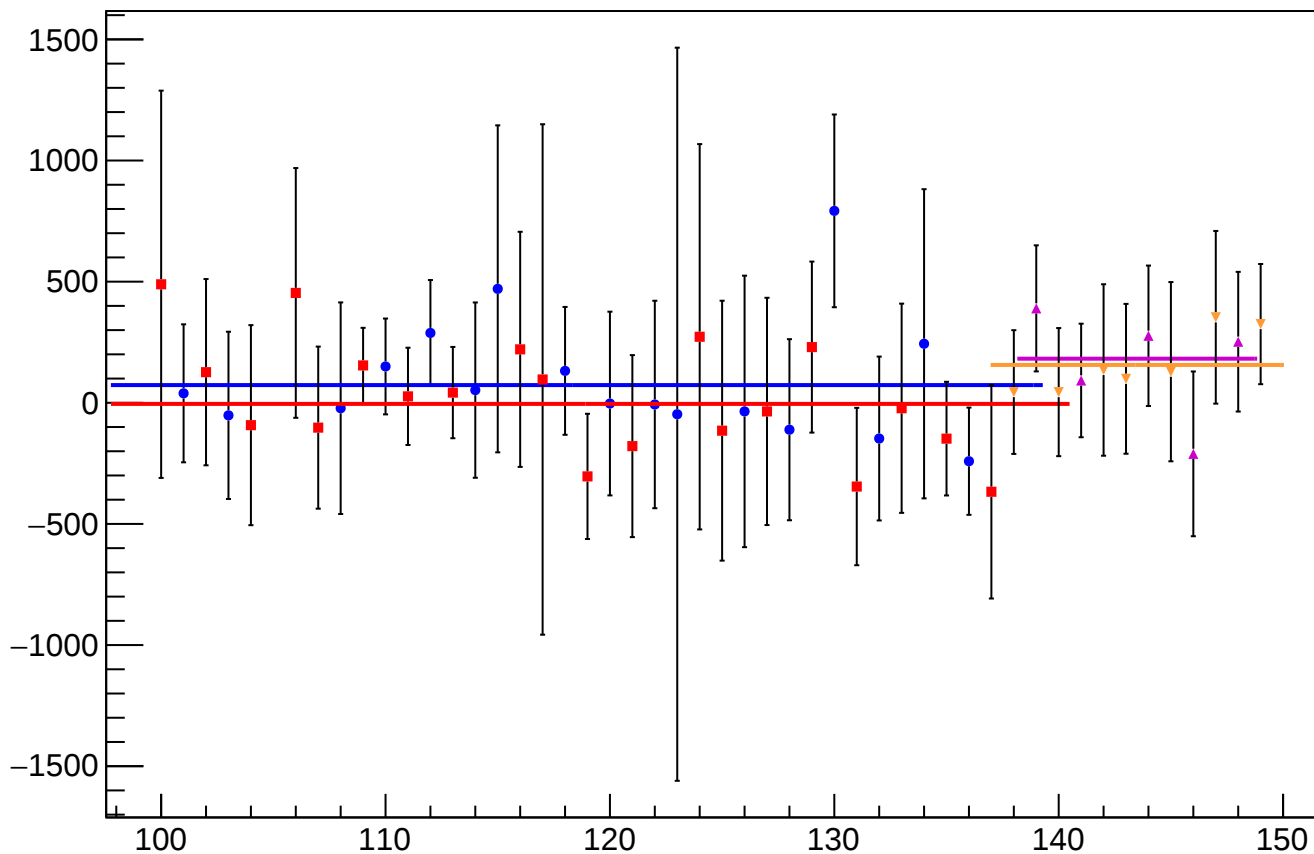
Left In: 160.079 +/- 0.058 χ^2/NDF : 262922.5/4

147.722 +/- 0.032 χ^2/NDF : 1190352.2/23

145.828 +/- 0.023 χ^2/NDF : 2533023.6/48

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: 156.233 $\pm$ 112.144 χ^2/NDF : 1.2/6

Right Out: -4.574 $\pm$ 69.944 χ^2/NDF : 7.1/19

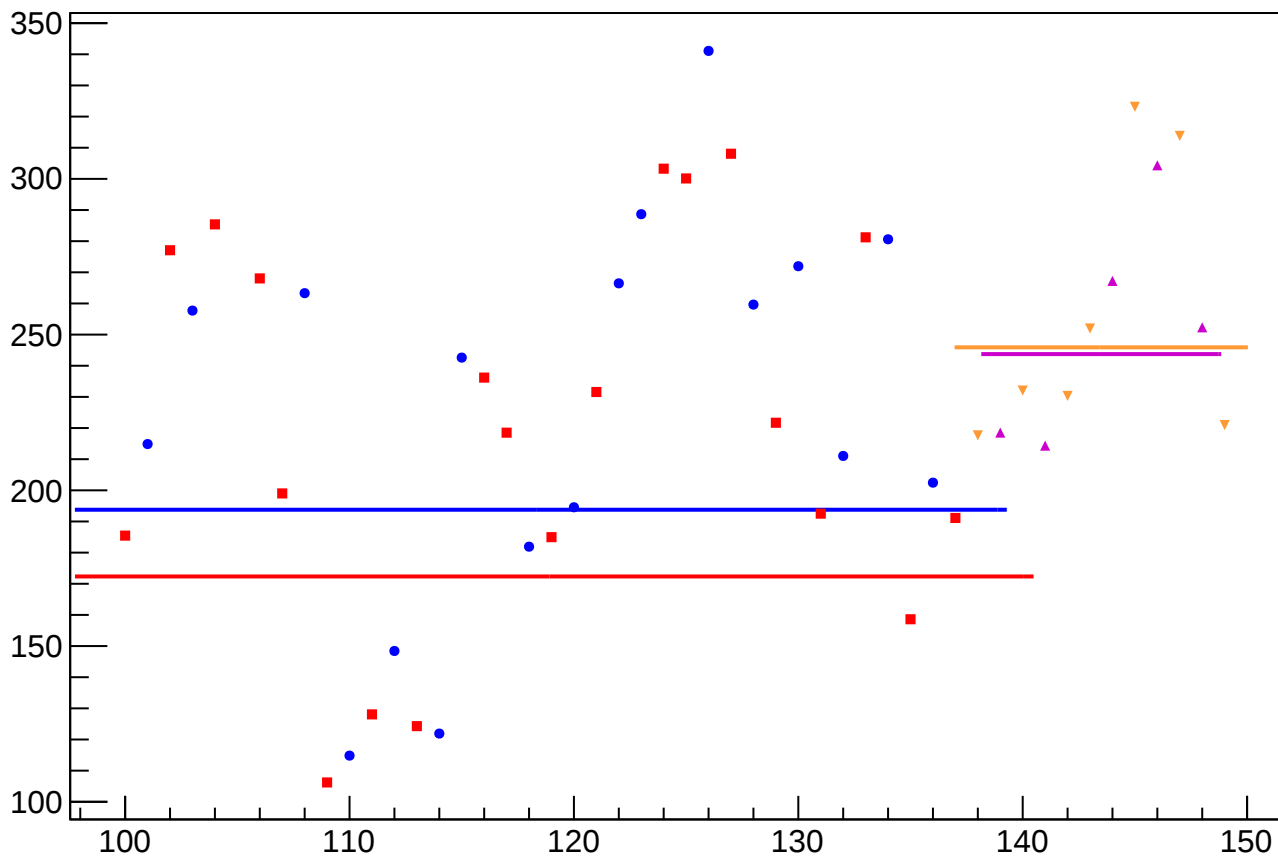
Left In: 182.066 $\pm$ 123.508 χ^2/NDF : 2.3/4

100.960 $\pm$ 64.913 χ^2/NDF : 9.4/23

68.916 $\pm$ 44.399 χ^2/NDF : 21.0/48

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: 245.915 $\pm$ 0.079 χ^2 /NDF:214693.1/6

Right Out: 172.346 $\pm$ 0.049 χ^2 /NDF: 1583893.0/19

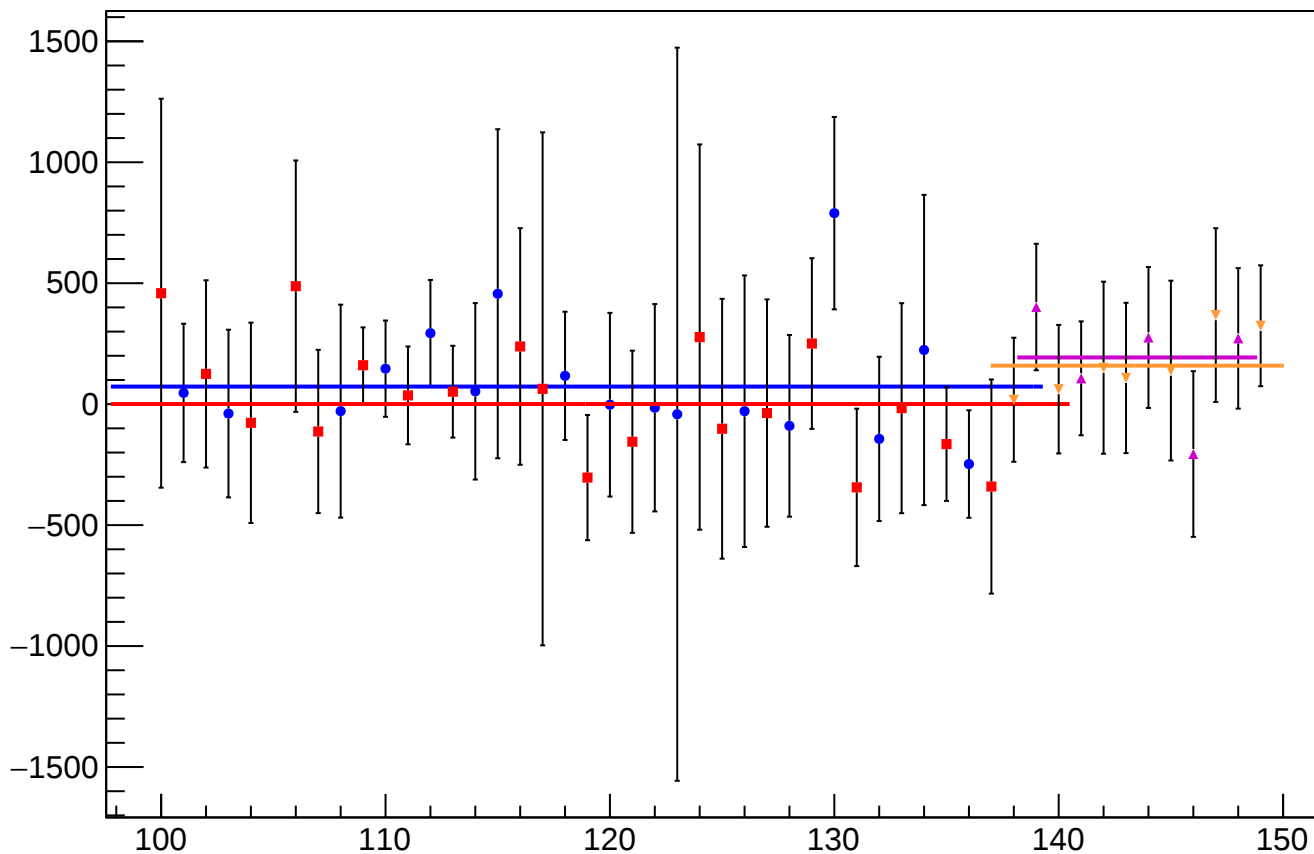
Left In: 243.745 $\pm$ 0.087 χ^2 /NDF:128708.3/4

211.243 $\pm$ 0.046 χ^2 /NDF: 1519286.8/23

199.770 $\pm$ 0.031 χ^2 /NDF: 3855360.5/48

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: 159.194 ± 112.742 χ^2/NDF : 1.2/6

Right Out: 0.459 ± 70.312 χ^2/NDF : 7.3/19

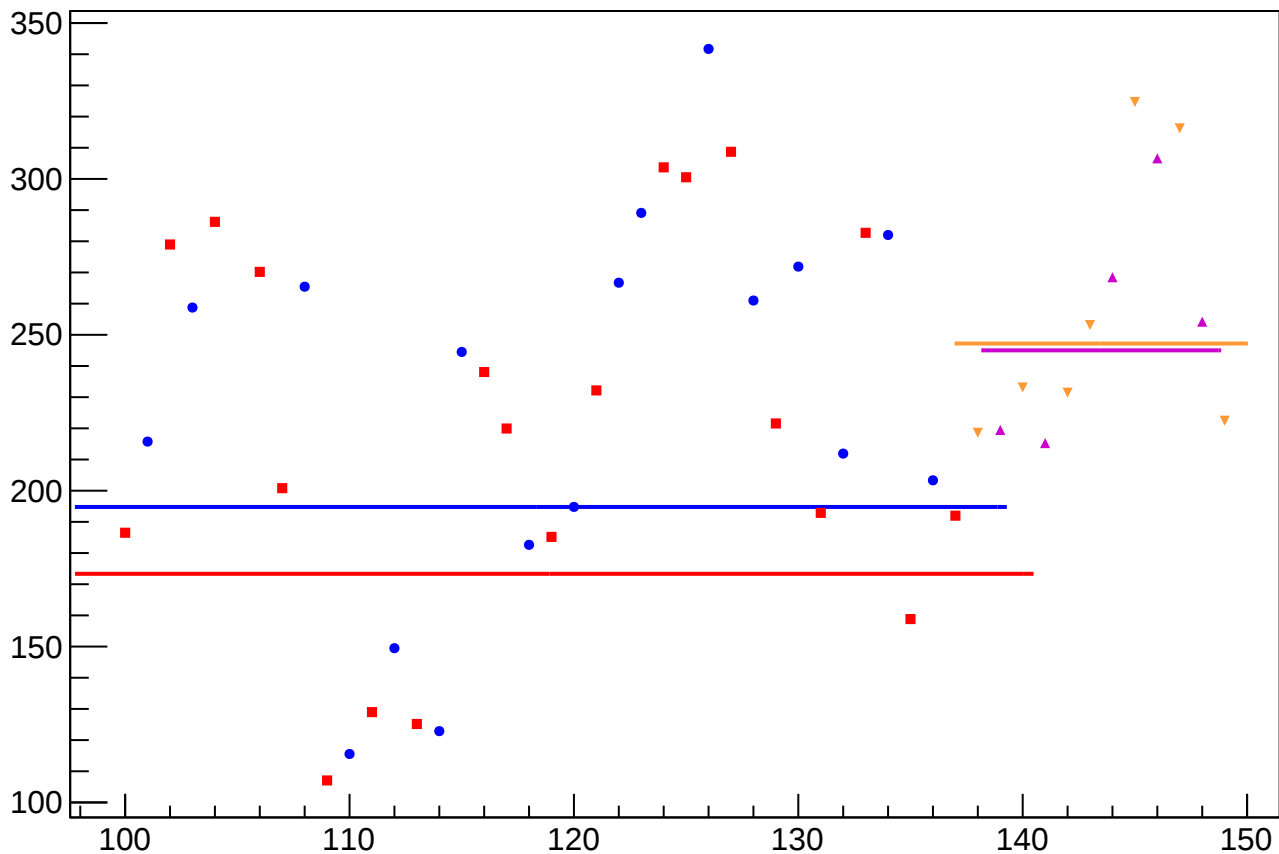
Left In: 193.091 ± 124.170 χ^2/NDF : 2.3/4

101.645 ± 65.239 χ^2/NDF : 9.4/23

72.693 ± 44.628 χ^2/NDF : 21.1/48

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: 247.210 $\pm$ 0.080 χ^2/NDF :215649.8/6

Right Out: 173.337 $\pm$ 0.050 χ^2/NDF : 1571436.7/19

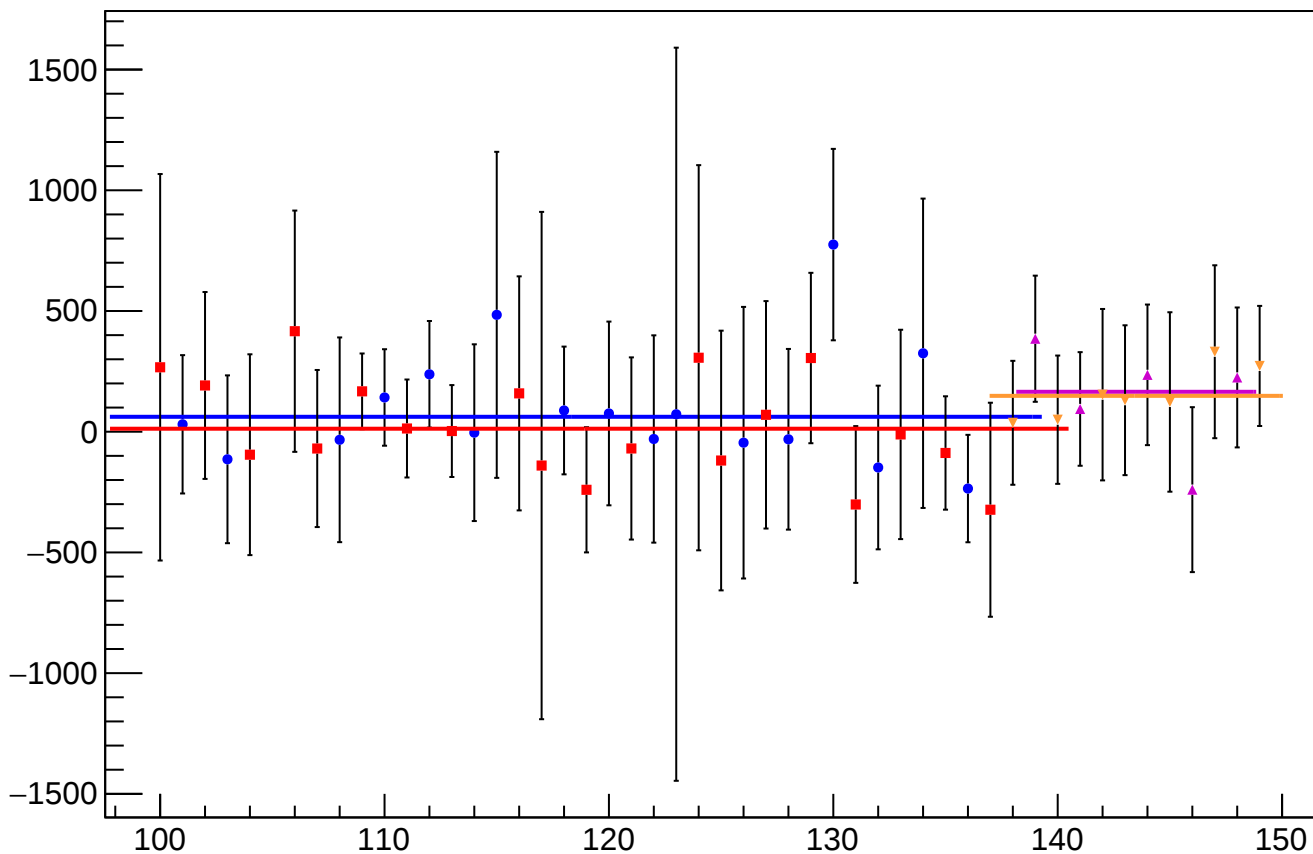
Left In: 245.014 $\pm$ 0.088 χ^2/NDF :130684.1/4

212.337 $\pm$ 0.046 χ^2/NDF : 1511621.8/23

200.847 $\pm$ 0.032 χ^2/NDF : 3834992.4/48

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: 148.554+/-112.605 χ^2/NDF : 0.8/6

Right Out: 12.417+/-70.233 χ^2/NDF : 5.8/19

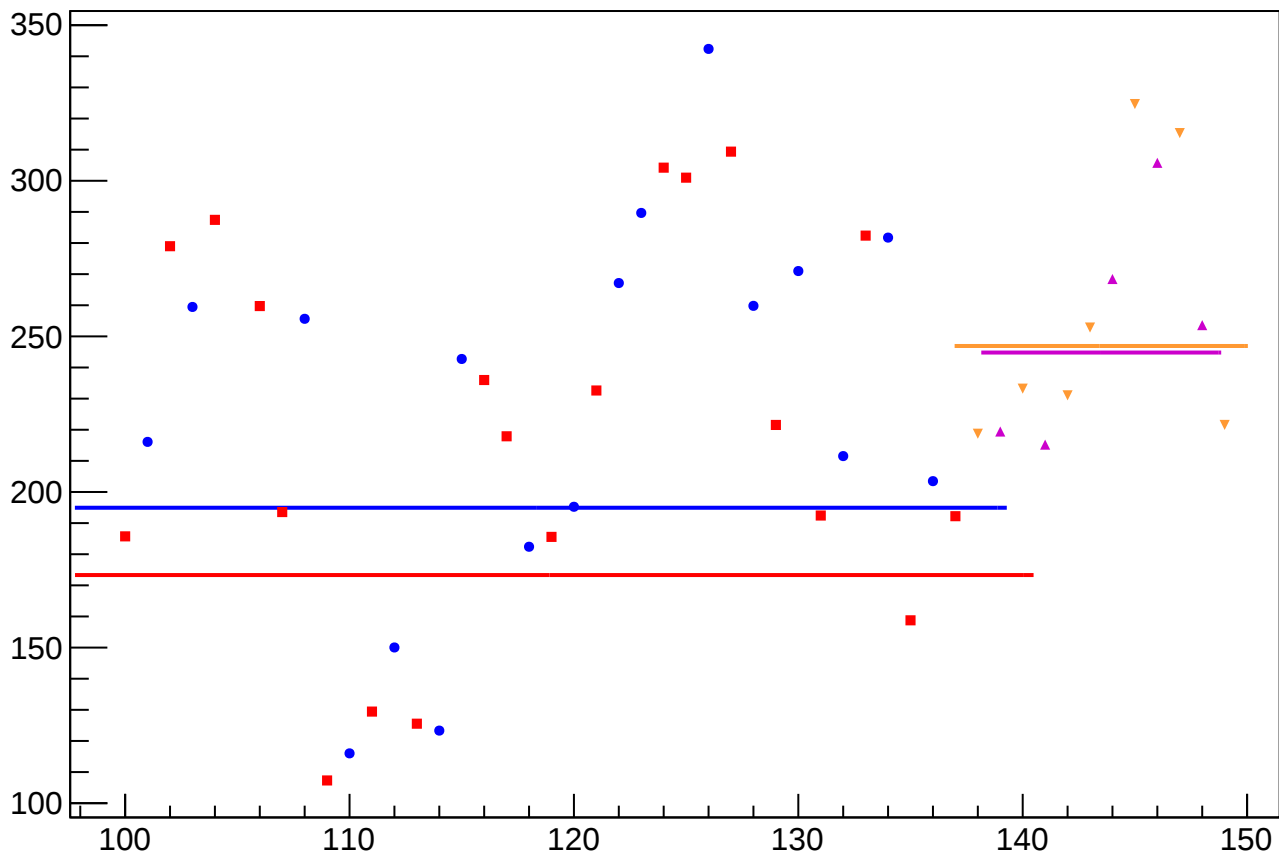
Left In: 165.337+/-124.048 χ^2/NDF : 2.3/4

90.903+/-65.209 χ^2/NDF : 8.5/23

68.881+/-44.593 χ^2/NDF : 18.0/48

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: 246.915+/-0.080 χ^2/NDF : 215487.5/6

Right Out: 173.309+/-0.050 χ^2/NDF : 1548342.3/19

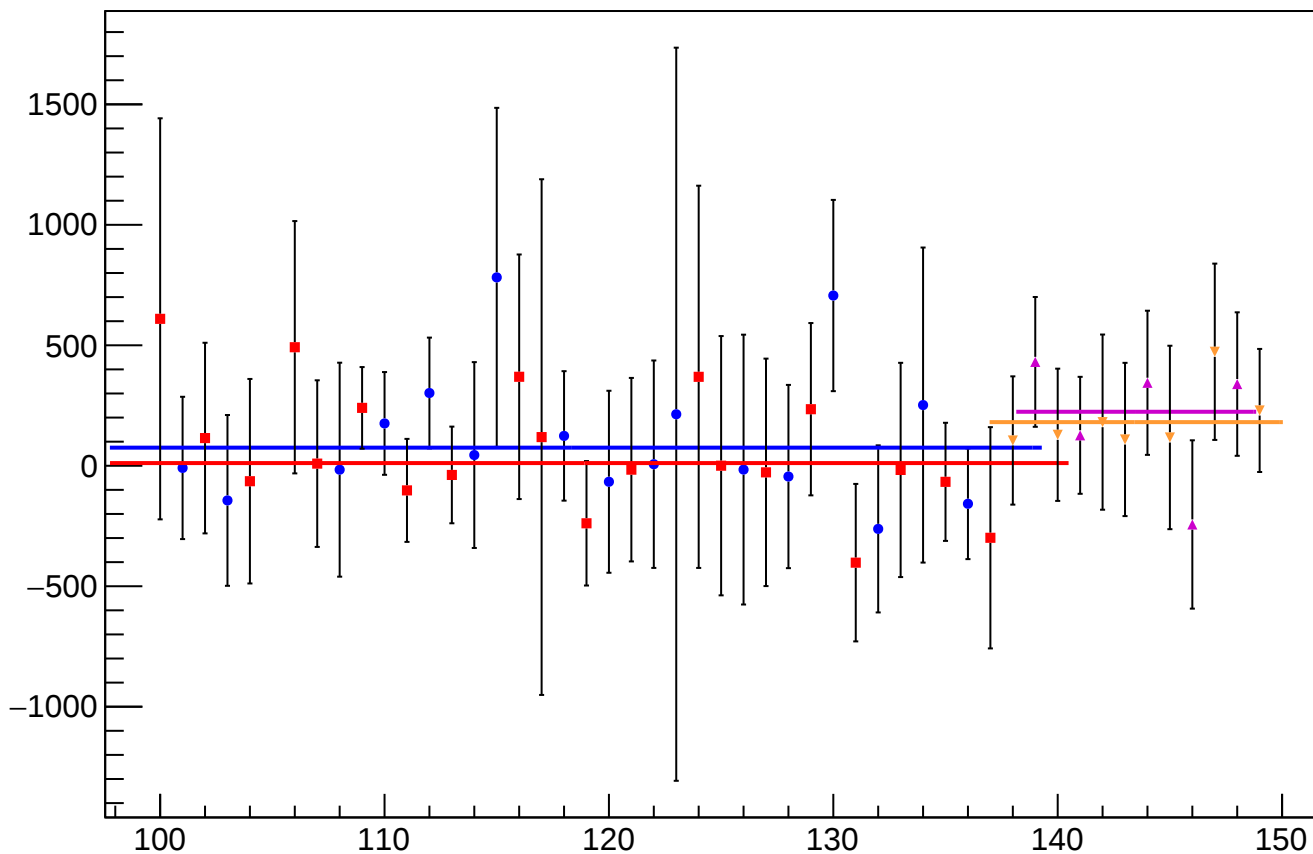
Left In: 244.807+/-0.088 χ^2/NDF : 129226.0/4

212.369+/-0.046 χ^2/NDF : 1485329.9/23

200.815+/-0.032 χ^2/NDF : 3783988.5/48

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: 181.129 $\pm$ 115.821 χ^2 /NDF:0.9/6

Right Out: 11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

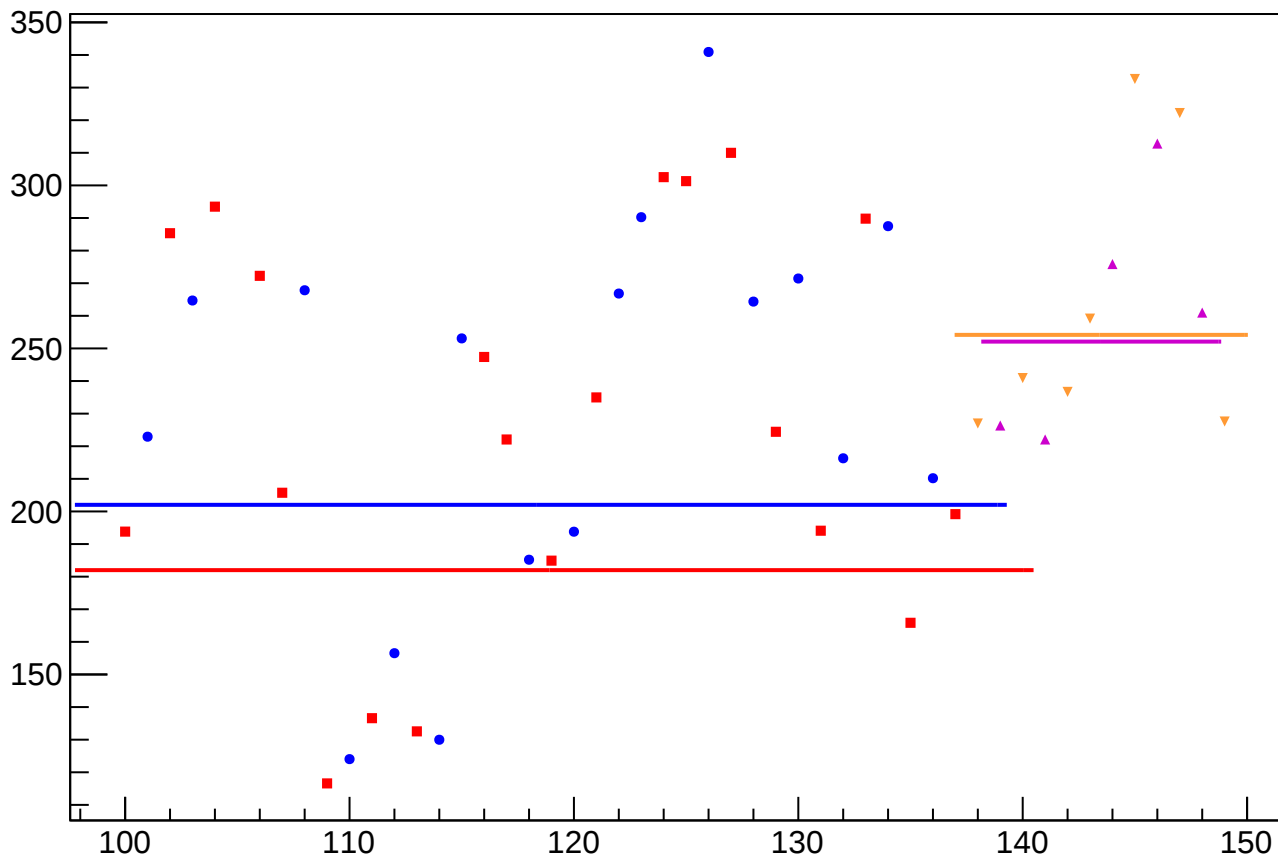
Left In: 224.109 $\pm$ 127.621 χ^2 /NDF:2.9/4

110.862 $\pm$ 67.198 χ^2 /NDF: 9.1/23

86.019 $\pm$ 46.144 χ^2 /NDF: 22.1/48

63.853 $\pm$ 63.474 χ^2 /NDF: 12.8/24

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 254.157+/-0.082 χ^2/NDF :206461.3/6

Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

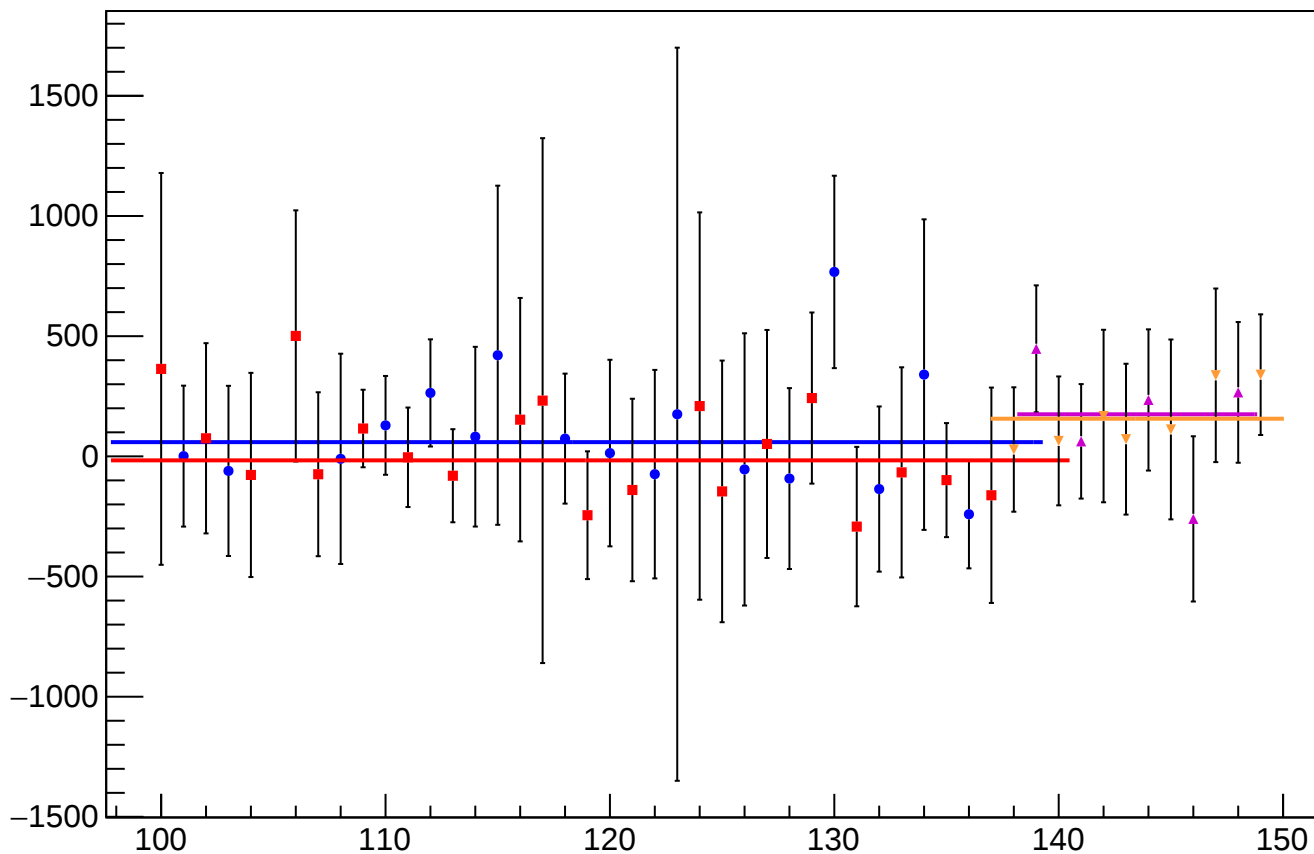
Left In: 252.090+/-0.090 χ^2/NDF :123733.5/4

219.576+/-0.048 χ^2/NDF : 1356822.5/23

208.881+/-0.033 χ^2/NDF : 3410813.2/48

199.338+/-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: 156.631 $\pm$ 113.634 χ^2/NDF : 1.2/6

Right Out: -16.650 $\pm$ 71.745 χ^2/NDF : 4.7/19

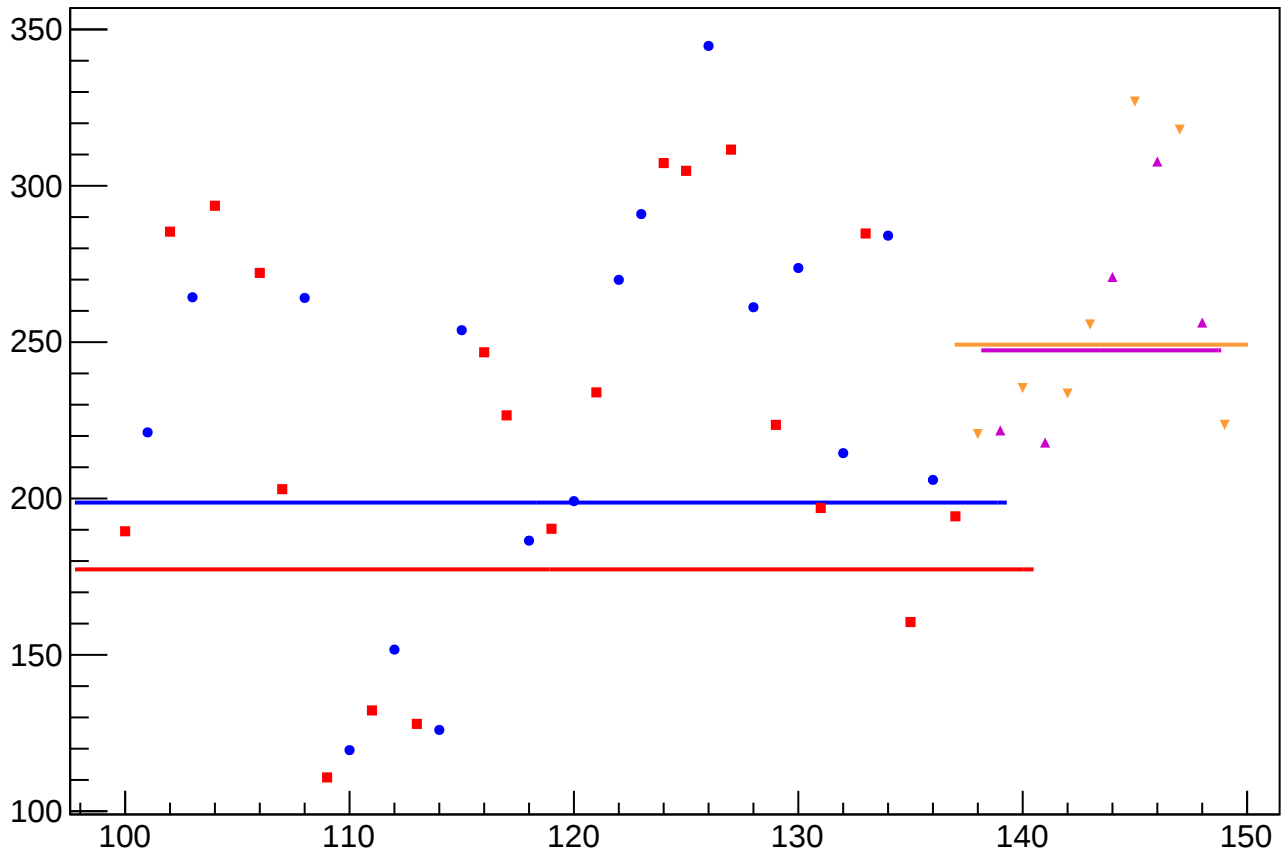
Left In: 174.941 $\pm$ 125.303 χ^2/NDF : 3.0/4

92.233 $\pm$ 66.183 χ^2/NDF : 8.9/23

59.564 $\pm$ 45.348 χ^2/NDF : 18.8/48

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: 249.200 $\pm$ 0.080 χ^2 /NDF: 214103.8/6

Right Out: 177.338 $\pm$ 0.051 χ^2 /NDF: 1528976.8/19

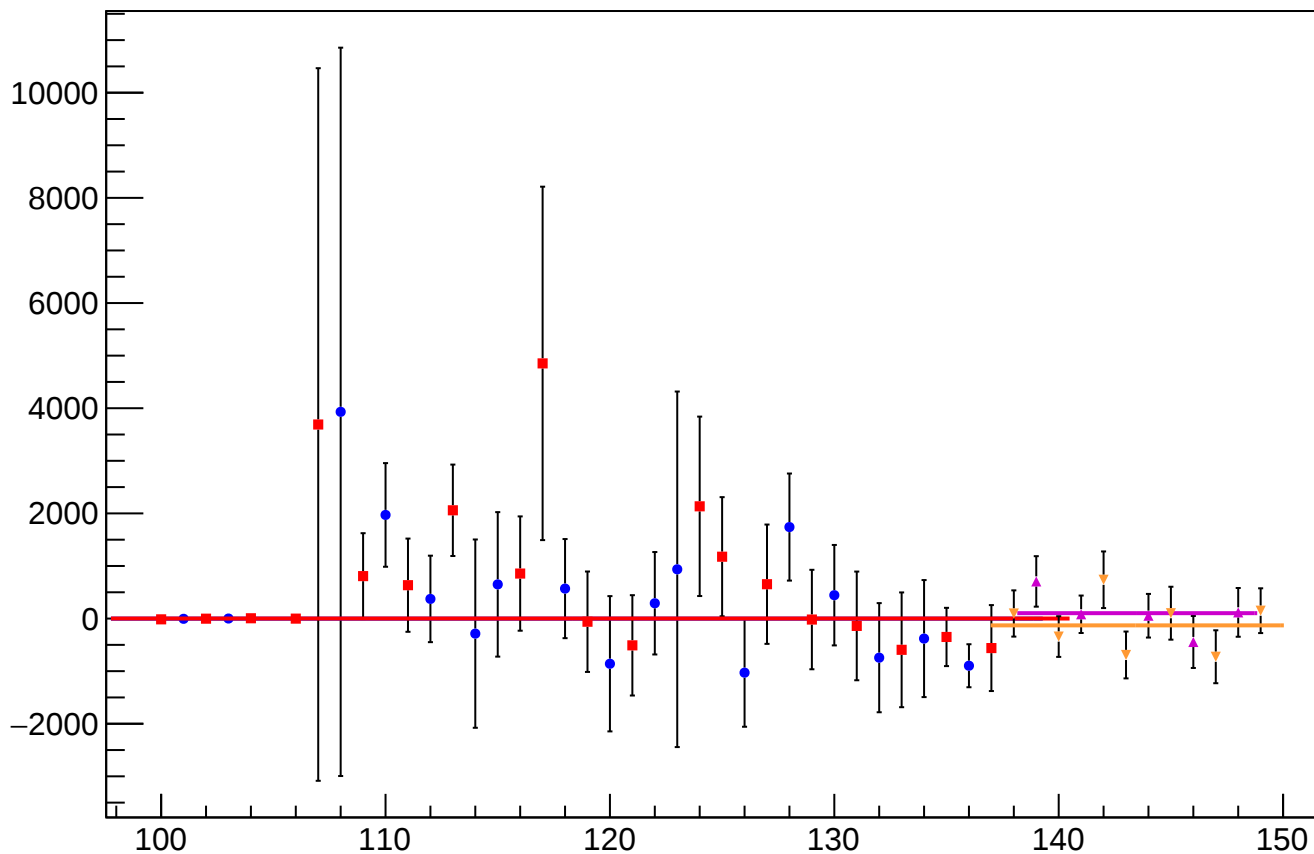
Left In: 247.378 $\pm$ 0.089 χ^2 /NDF: 125783.3/4

215.833 $\pm$ 0.047 χ^2 /NDF: 1438473.1/23

204.585 $\pm$ 0.032 χ^2 /NDF: 3672719.8/48

194.631 $\pm$ 0.044 χ^2 /NDF: 2125358.2/24

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -129.365 ± 172.082 χ^2/NDF : 6.8/6

Right Out: 0.733 ± 2.111 χ^2/NDF : 20.5/19

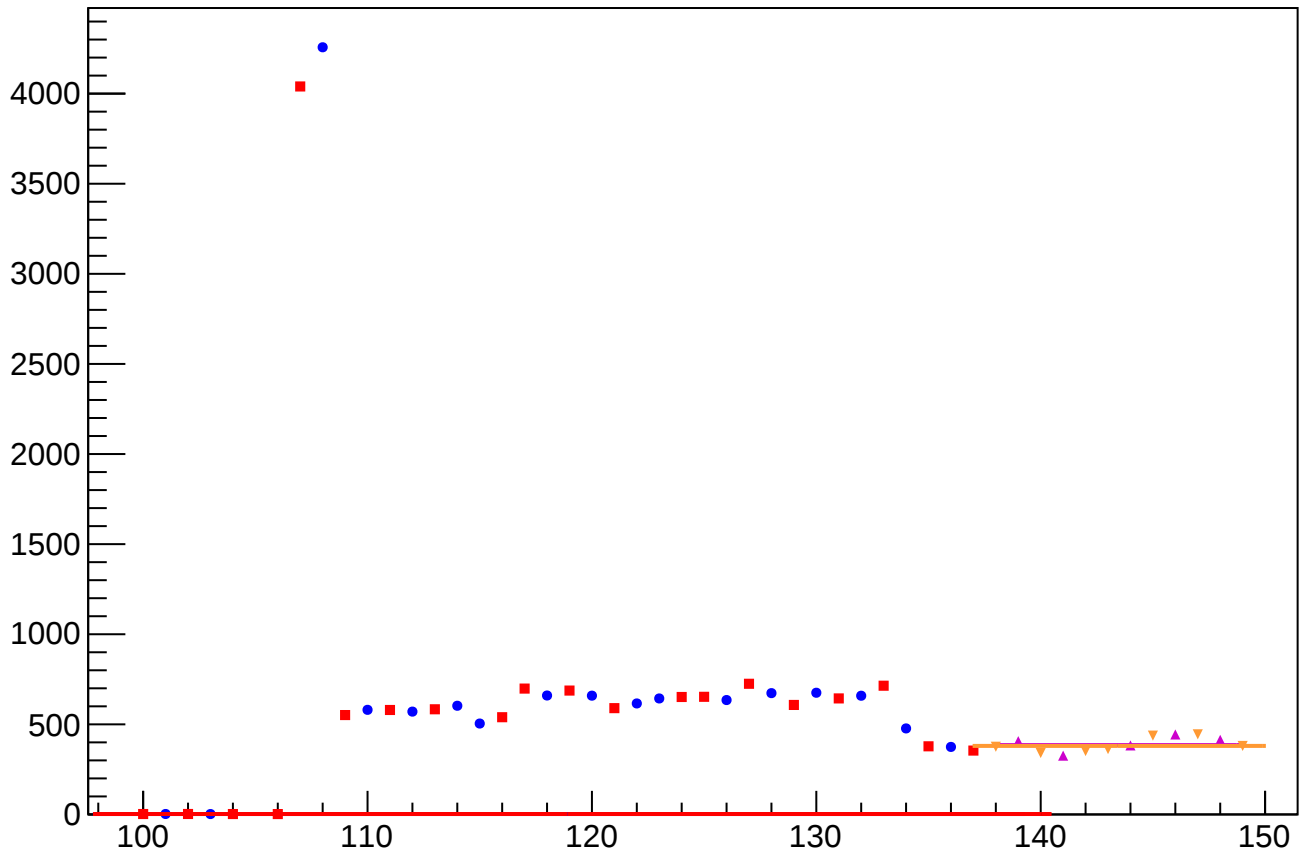
Left In: 102.721 ± 193.245 χ^2/NDF : 2.8/4

-1.551 ± 2.251 χ^2/NDF : 24.0/23

-0.329 ± 1.540 χ^2/NDF : 48.1/48

0.746 ± 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: 380.427+/-0.122 χ^2/NDF : 88220.7/6

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

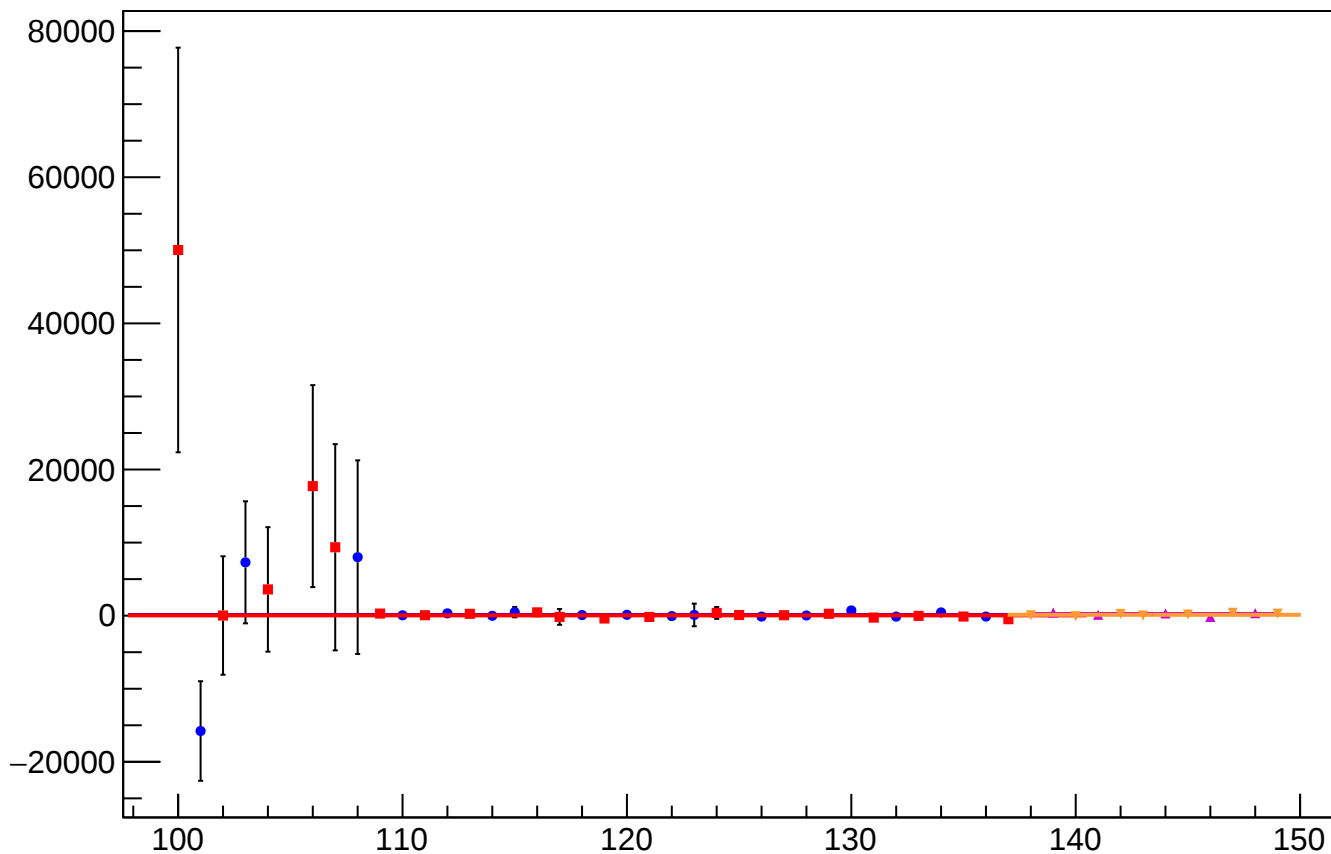
Left In: 384.874+/-0.137 χ^2/NDF : 94720.8/4

2.521+/-0.002 χ^2/NDF : 20441834.0/23

2.500+/-0.001 χ^2/NDF : 39595071.2/48

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: 120.799+/-119.588 χ^2/NDF : 1.6/6

Right Out: 41.335+/-84.288 χ^2/NDF : 14.0/19

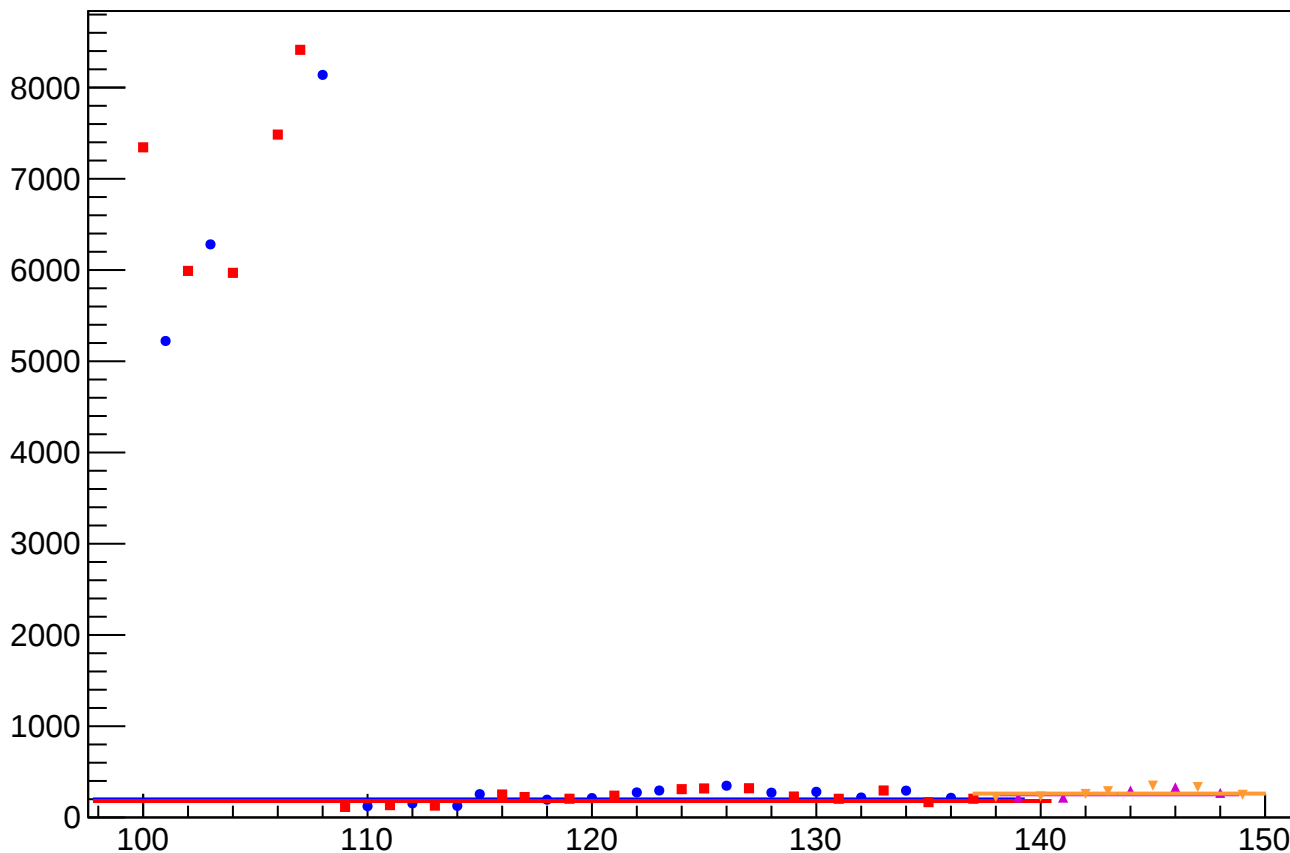
Left In: 227.653+/-129.310 χ^2/NDF : 2.1/4

104.776+/-72.773 χ^2/NDF : 13.7/23

100.715+/-50.677 χ^2/NDF : 31.3/48

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: 261.520+/-0.085 χ^2/NDF : 260112.4/6

Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

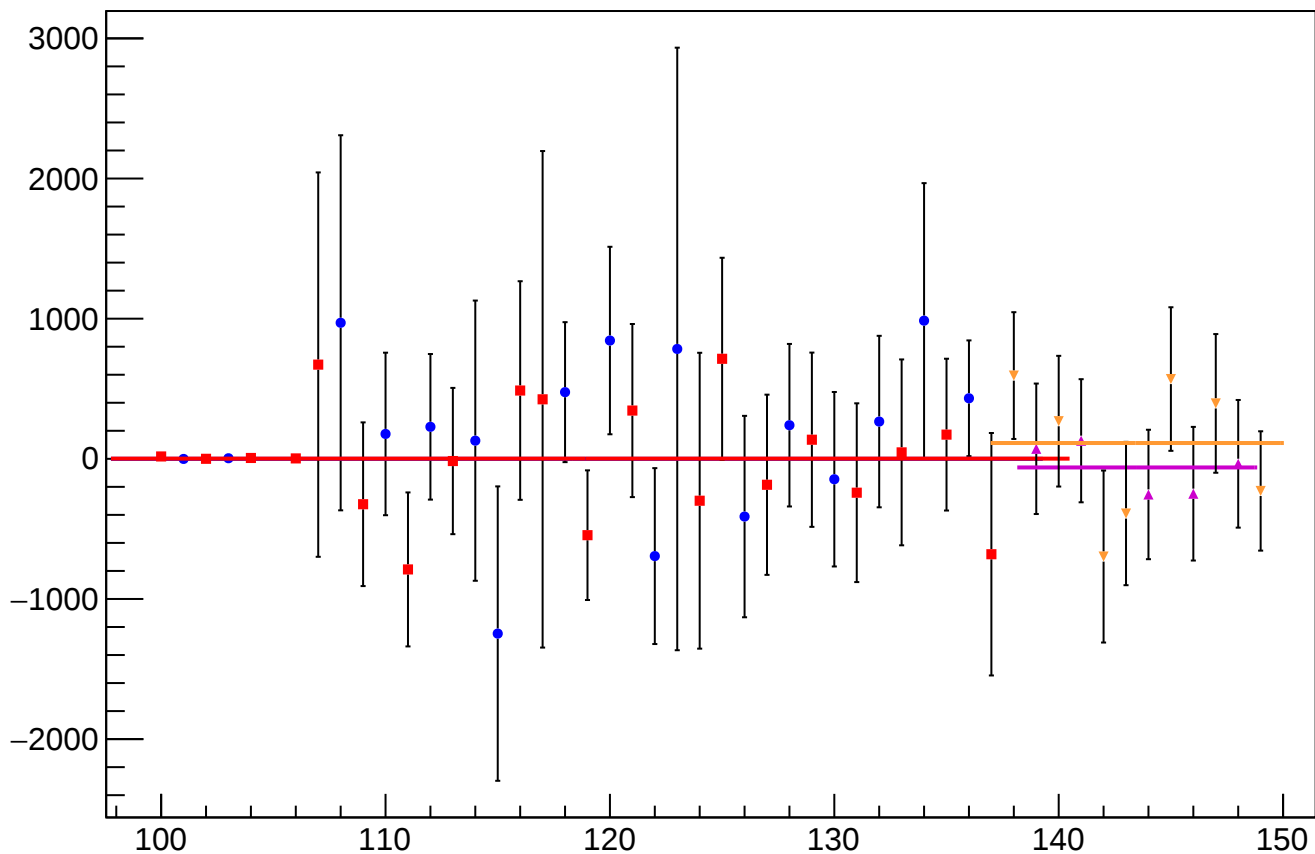
Left In: 253.942+/-0.091 χ^2/NDF : 204584.9/4

221.158+/-0.051 χ^2/NDF : 4317756.9/23

211.406+/-0.036 χ^2/NDF : 9372604.8/48

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: 112.784 ± 184.493 χ^2/NDF : 5.7/6

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.6/19

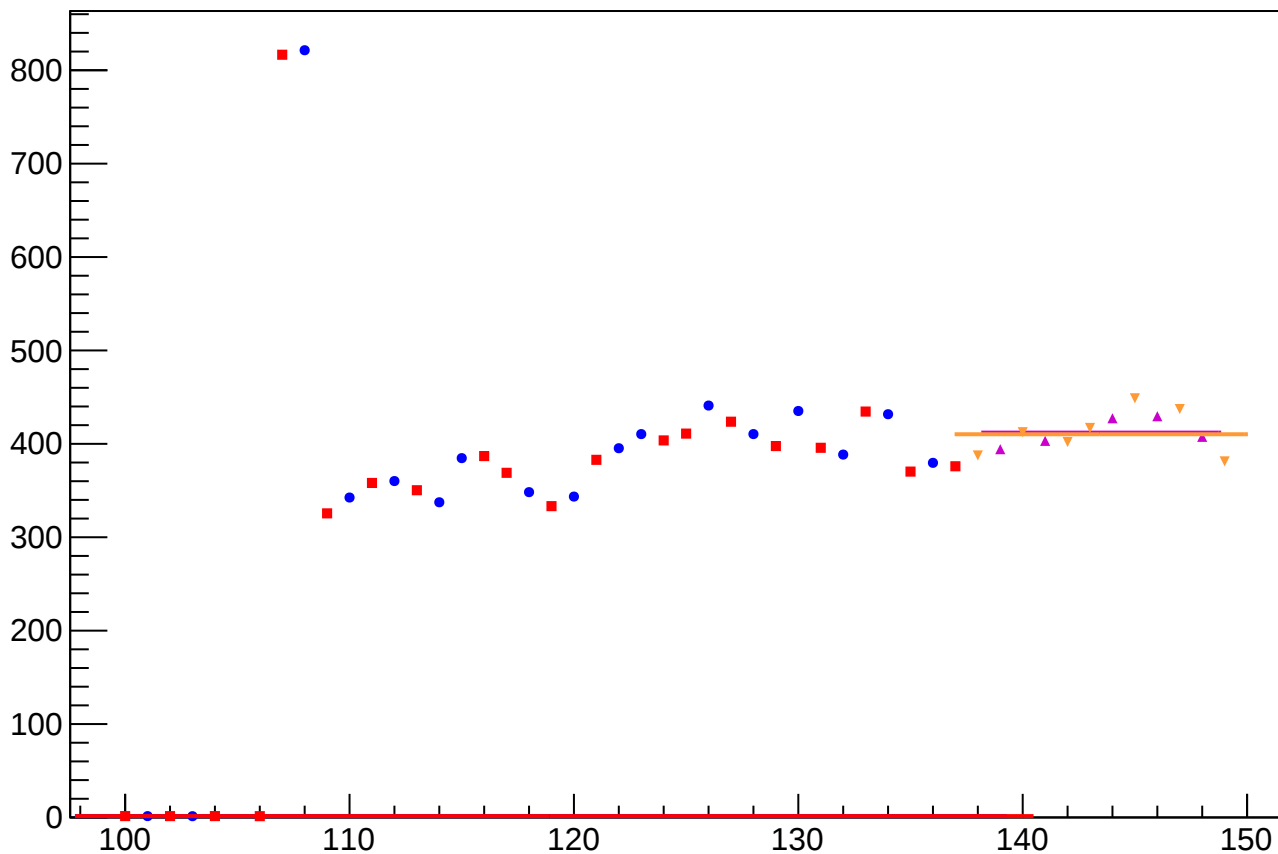
Left In: -61.600 ± 205.387 χ^2/NDF : 0.6/4

-0.129 ± 1.737 χ^2/NDF : 15.9/23

0.645 ± 1.186 χ^2/NDF : 26.5/48

1.320 ± 1.623 χ^2/NDF : 10.3/24

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 410.262+/-0.130 χ^2/NDF : 32361.3/6

Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

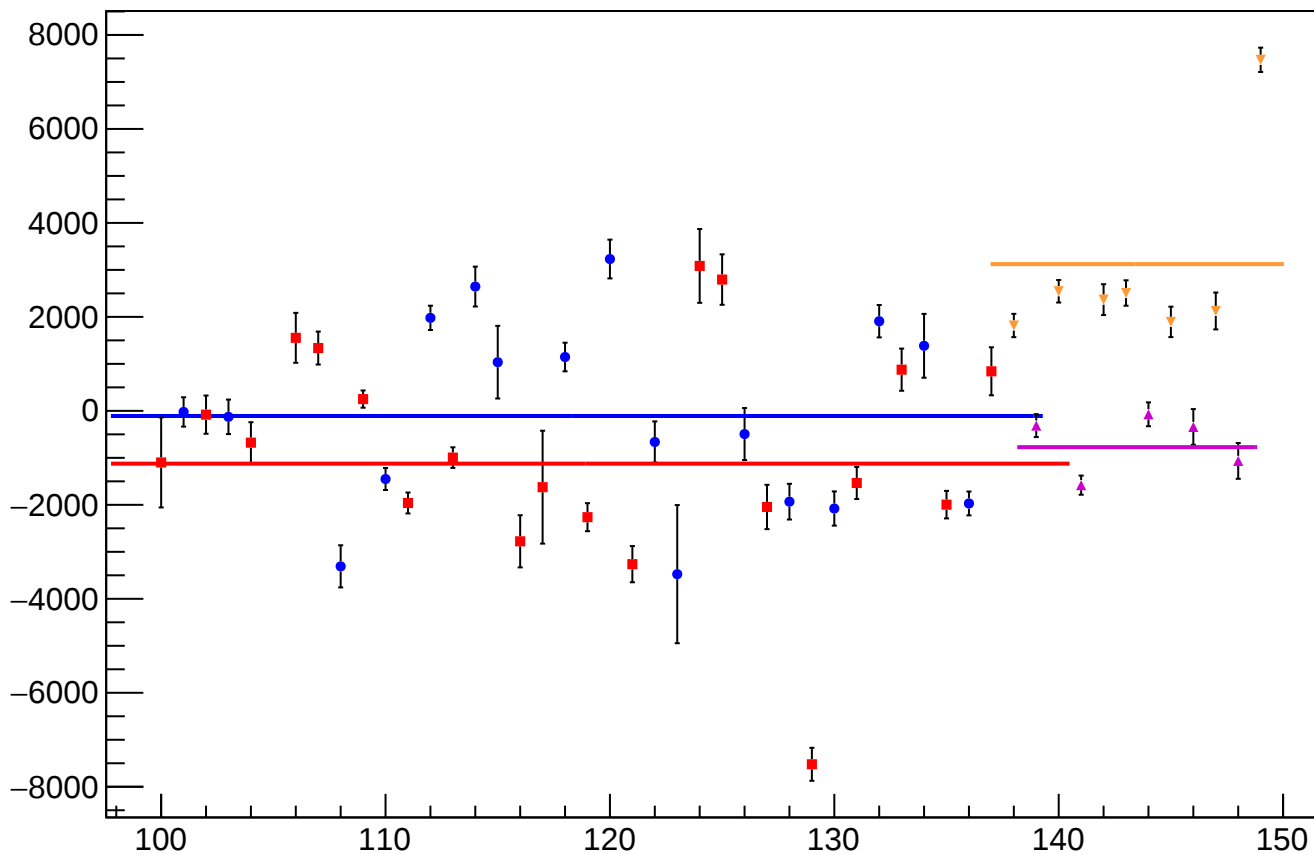
Left In: 412.024+/-0.145 χ^2/NDF : 8831.3/4

1.488+/-0.001 χ^2/NDF : 20667393.2/23

1.482+/-0.001 χ^2/NDF : 39627612.7/48

1.477+/-0.001 χ^2/NDF : 18960173.0/24

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 3123.159 ± 106.846 $\chi^2/\text{NDF}: 347.3/6$

Right Out: -1123.337 ± 78.230 $\chi^2/\text{NDF}: 670.2/19$

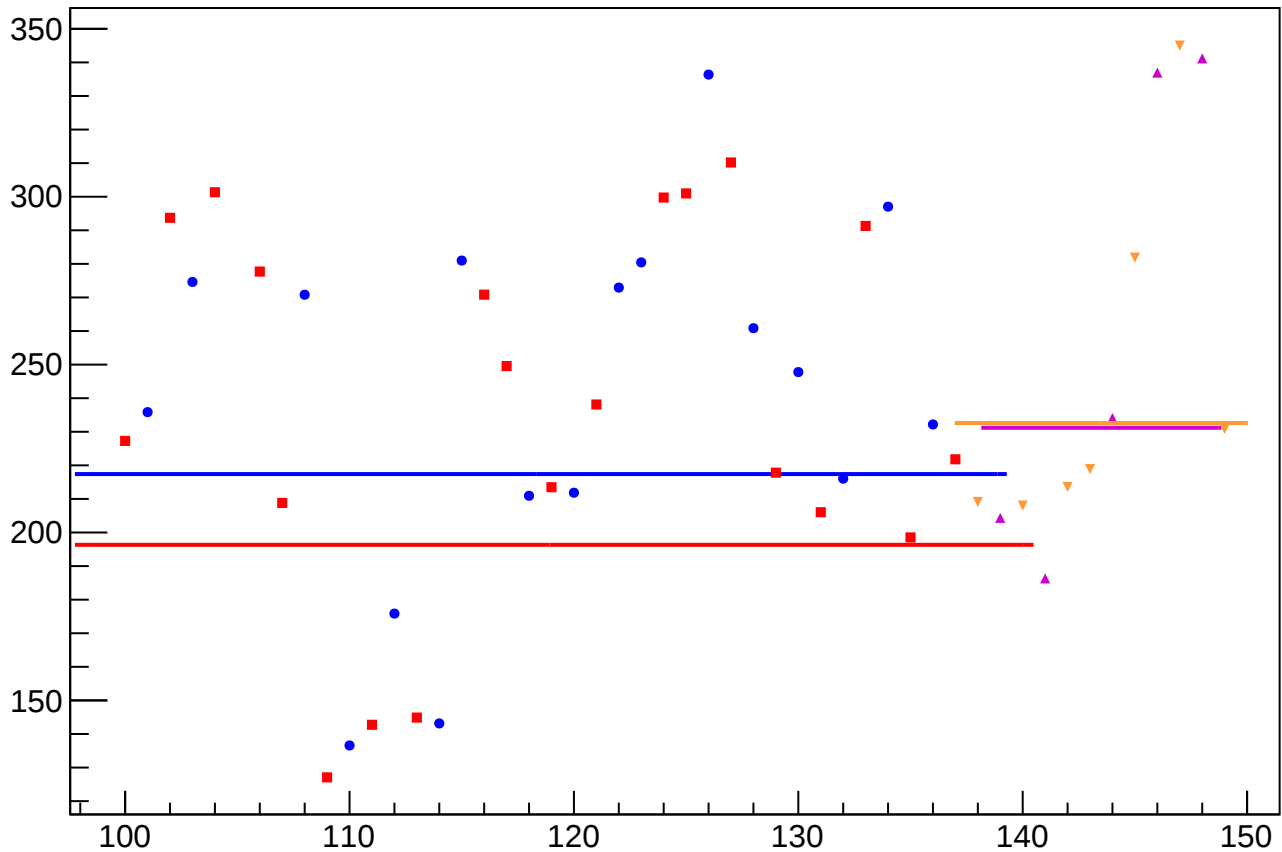
Left In: -772.223 ± 119.328 $\chi^2/\text{NDF}: 28.7/4$

1196.531 ± 67.909 $\chi^2/\text{NDF}: 1321.2/23$

48.102 ± 47.116 $\chi^2/\text{NDF}: 2577.6/48$

-1017.793 ± 65.424 $\chi^2/\text{NDF}: 705.0/24$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 $\pm$ 0.062 χ^2/NDF : 652632.9/16

Left Out: 232.598 $\pm$ 0.076 χ^2/NDF : 261291.2/6

Right Out: 196.339 $\pm$ 0.055 χ^2/NDF : 1194805.7/19

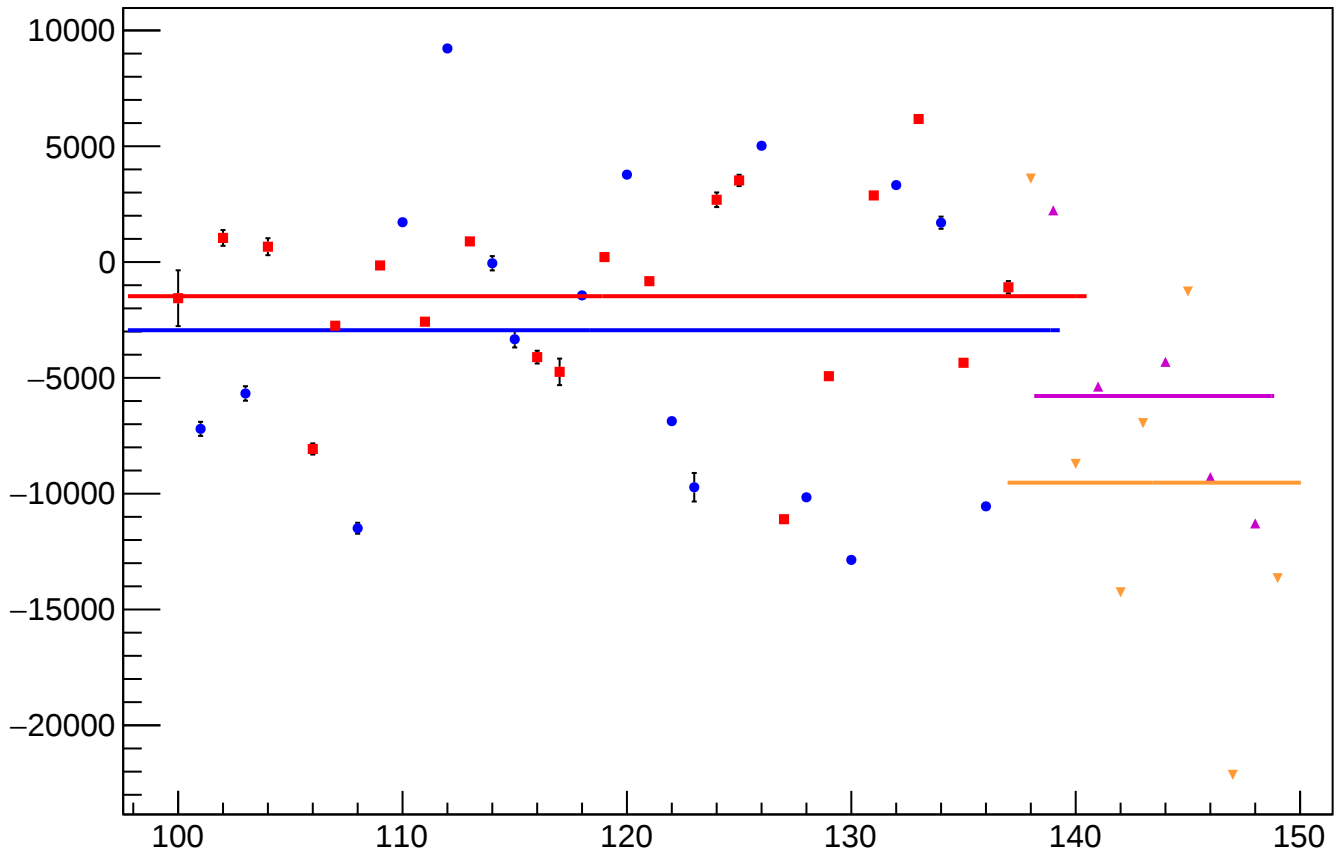
Left In: 231.189 $\pm$ 0.084 χ^2/NDF : 442659.9/4

223.541 $\pm$ 0.048 χ^2/NDF : 938035.6/23

214.866 $\pm$ 0.033 χ^2/NDF : 2757742.7/48

206.815 $\pm$ 0.046 χ^2/NDF : 1756779.9/24

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -9524.401+/-53.073 $\chi^2/\text{NDF}: 23165.1/6$

Right Out: -1474.497+/-46.252 $\chi^2/\text{NDF}: 8028.6/19$

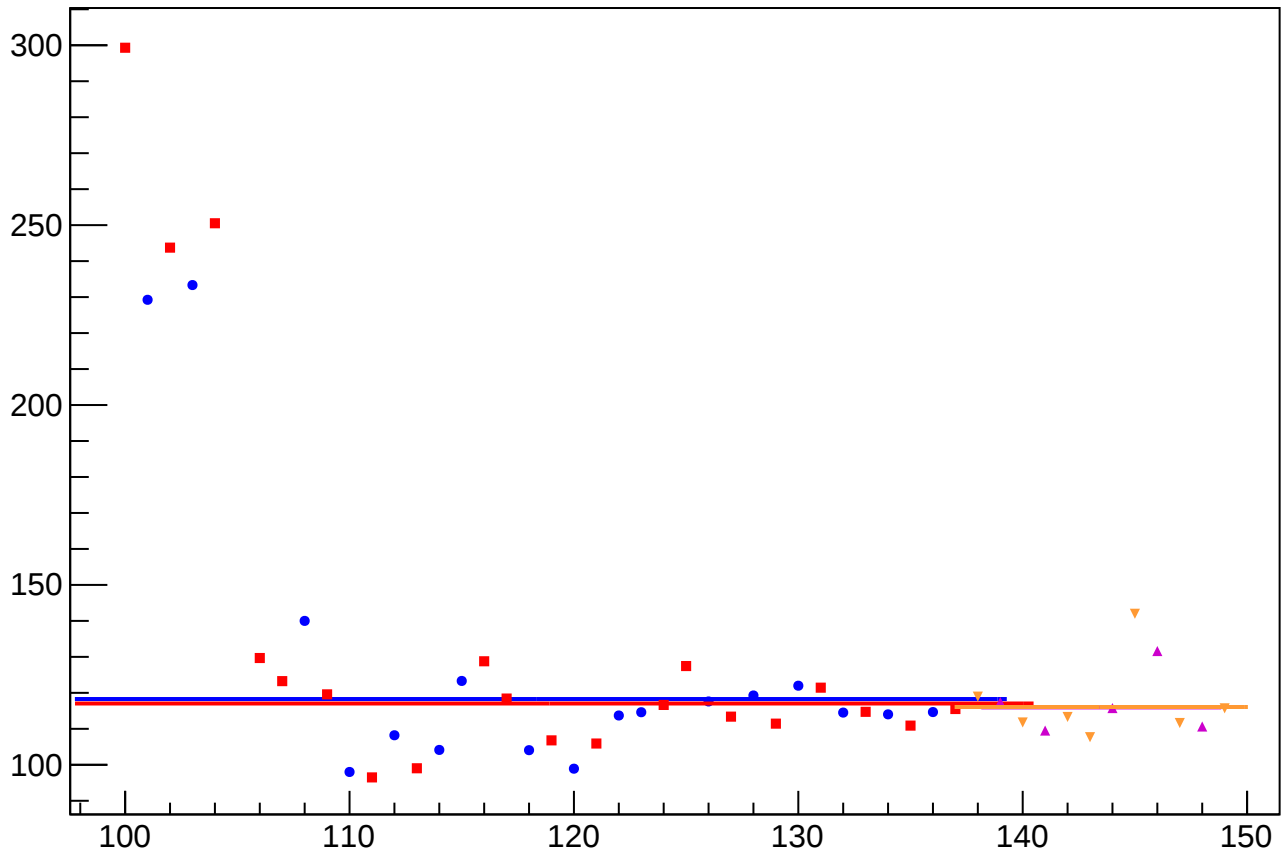
Left In: -5782.460+/-58.650 $\chi^2/\text{NDF}: 5853.1/4$

-5945.590+/-35.848 $\chi^2/\text{NDF}: 52436.6/23$

-4554.351+/-25.513 $\chi^2/\text{NDF}: 72697.0/48$

-3126.377+/-36.318 $\chi^2/\text{NDF}: 17208.2/24$

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 116.066+/-0.038 χ^2/NDF : 63496.1/6

Right Out: 117.040+/-0.033 χ^2/NDF : 690873.1/19

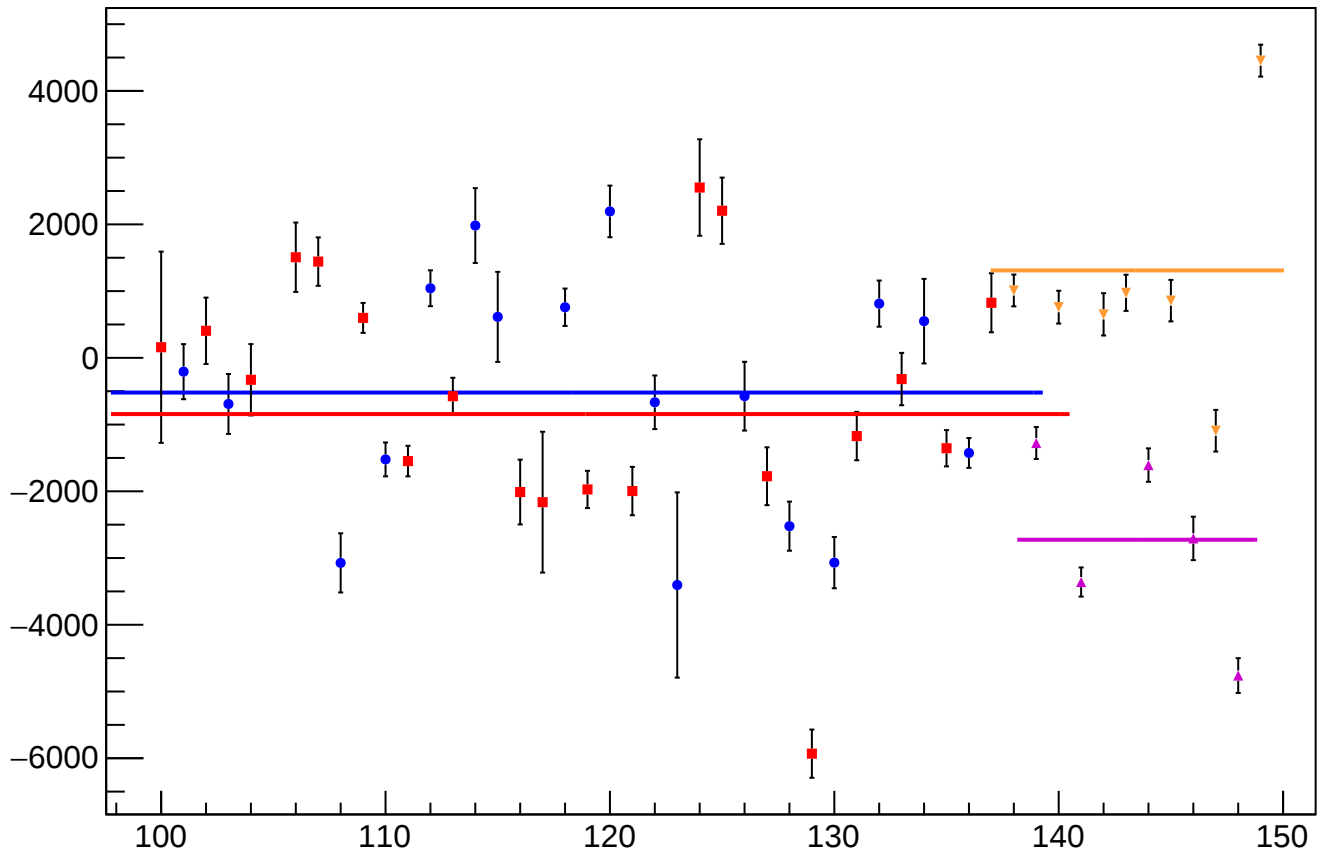
Left In: 115.949+/-0.041 χ^2/NDF : 32083.5/4

117.273+/-0.025 χ^2/NDF : 702316.6/23

116.952+/-0.018 χ^2/NDF : 1426025.6/48

116.622+/-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: 1310.206 $\pm$ 102.150 χ^2/NDF : 246.4/6

Right Out: -842.858 $\pm$ 82.024 χ^2/NDF : 436.3/19

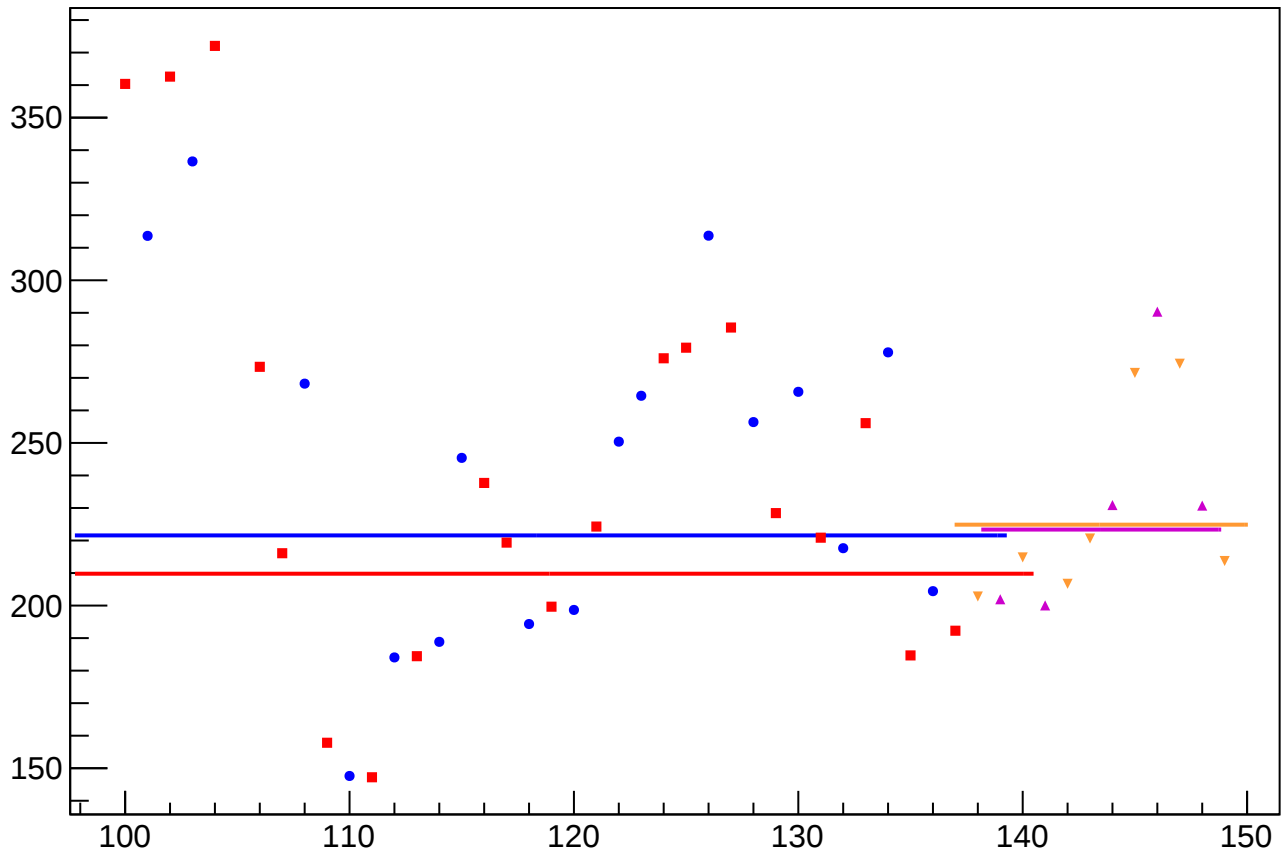
Left In: -2725.716 $\pm$ 112.870 χ^2/NDF : 126.0/4

272.066 $\pm$ 67.206 χ^2/NDF : 716.6/23

-622.022 $\pm$ 47.218 χ^2/NDF : 1810.5/48

-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: 224.873 +/- 0.072 χ^2/NDF : 127286.3/6

Right Out: 209.794 +/- 0.058 χ^2/NDF : 884087.4/19

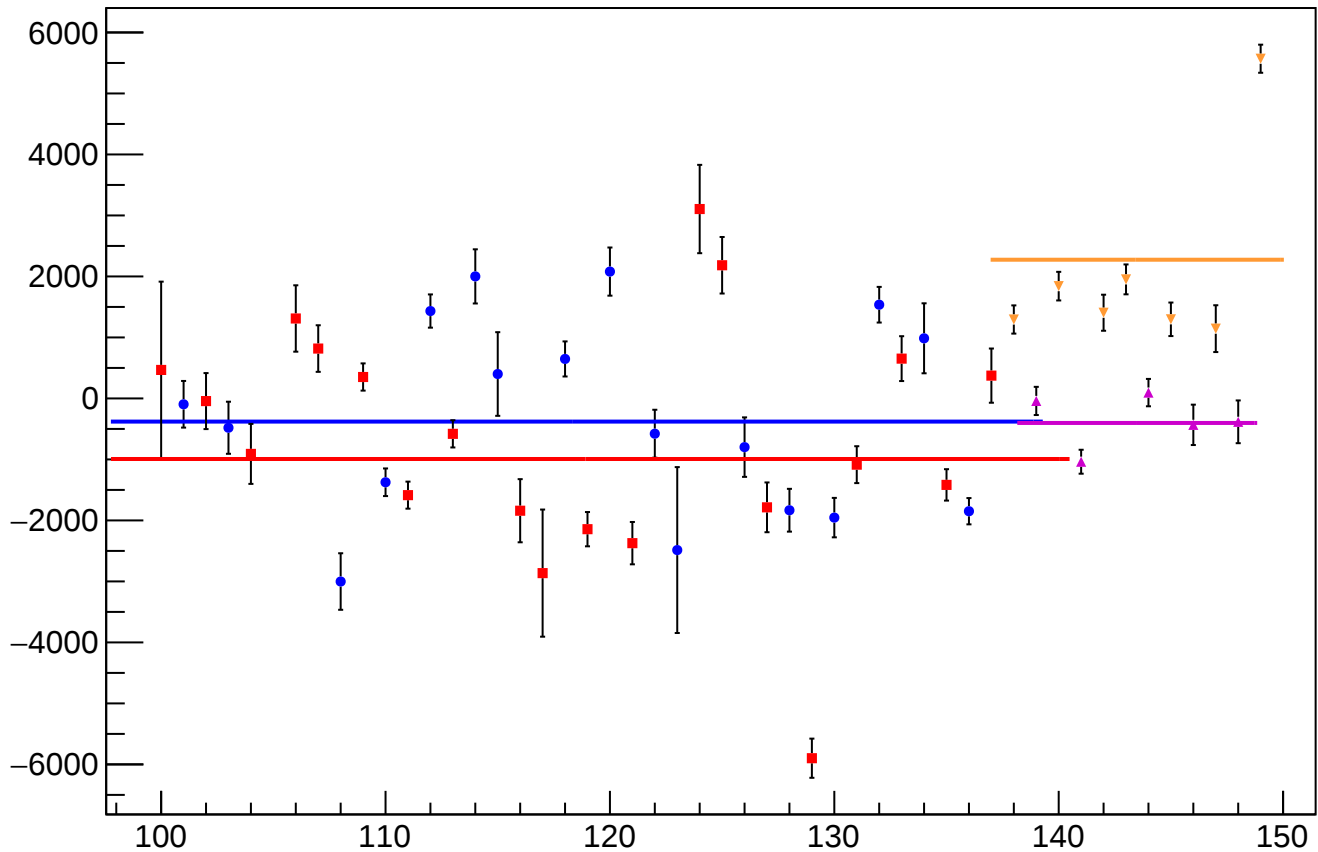
Left In: 223.364 +/- 0.080 χ^2/NDF : 126913.4/4

222.999 +/- 0.048 χ^2/NDF : 773413.5/23

218.687 +/- 0.033 χ^2/NDF : 1819592.4/48

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: 2274.188 ± 98.129 χ^2/NDF : 257.7/6

Right Out: -992.944 ± 77.509 χ^2/NDF : 479.5/19

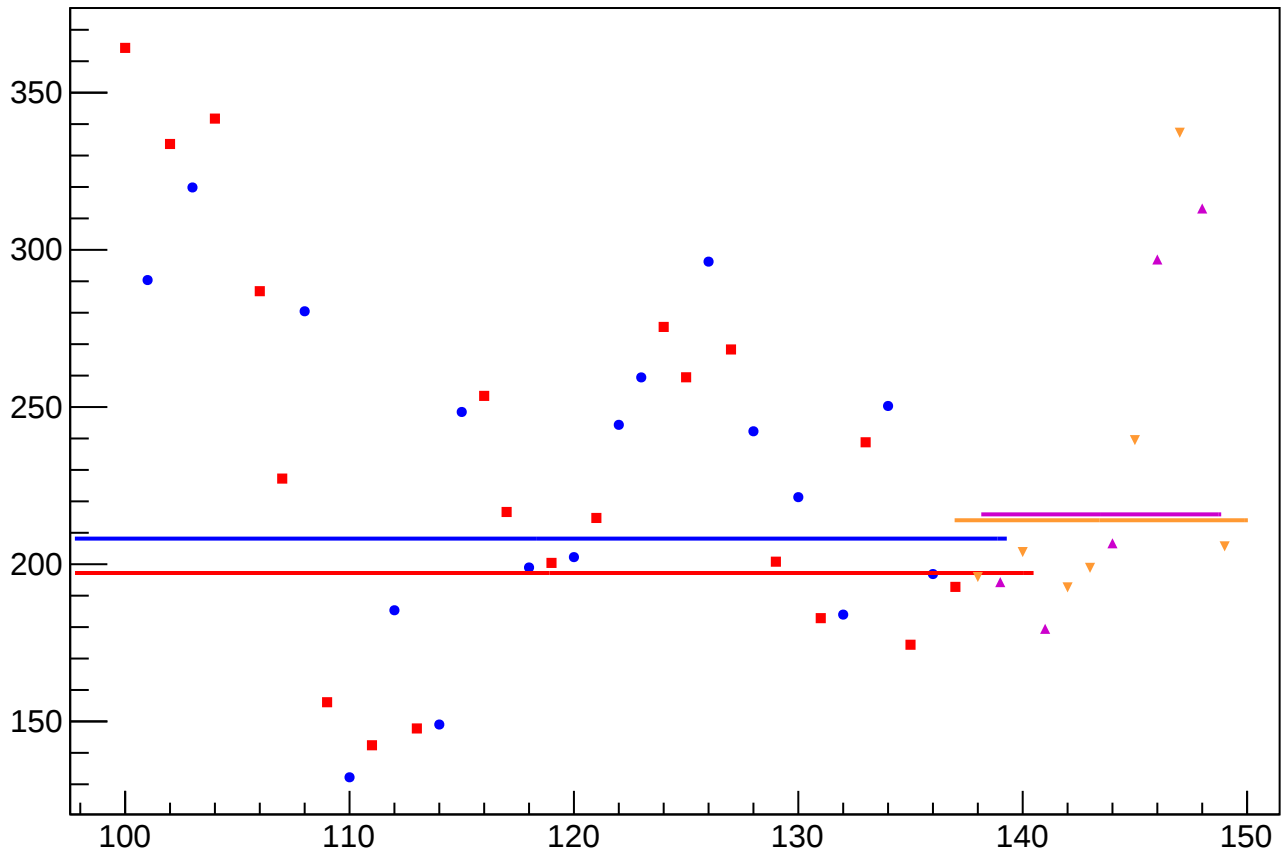
Left In: -402.080 ± 110.545 χ^2/NDF : 17.9/4

746.623 ± 63.927 χ^2/NDF : 995.9/23

-31.406 ± 45.038 χ^2/NDF : 1806.5/48

-798.204 ± 63.464 χ^2/NDF : 516.5/24

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 $\pm$ 0.060 χ^2 /NDF: 699084.2/16

Left Out: 213.987 $\pm$ 0.069 χ^2 /NDF: 260134.9/6

Right Out: 197.210 $\pm$ 0.055 χ^2 /NDF: 927165.0/19

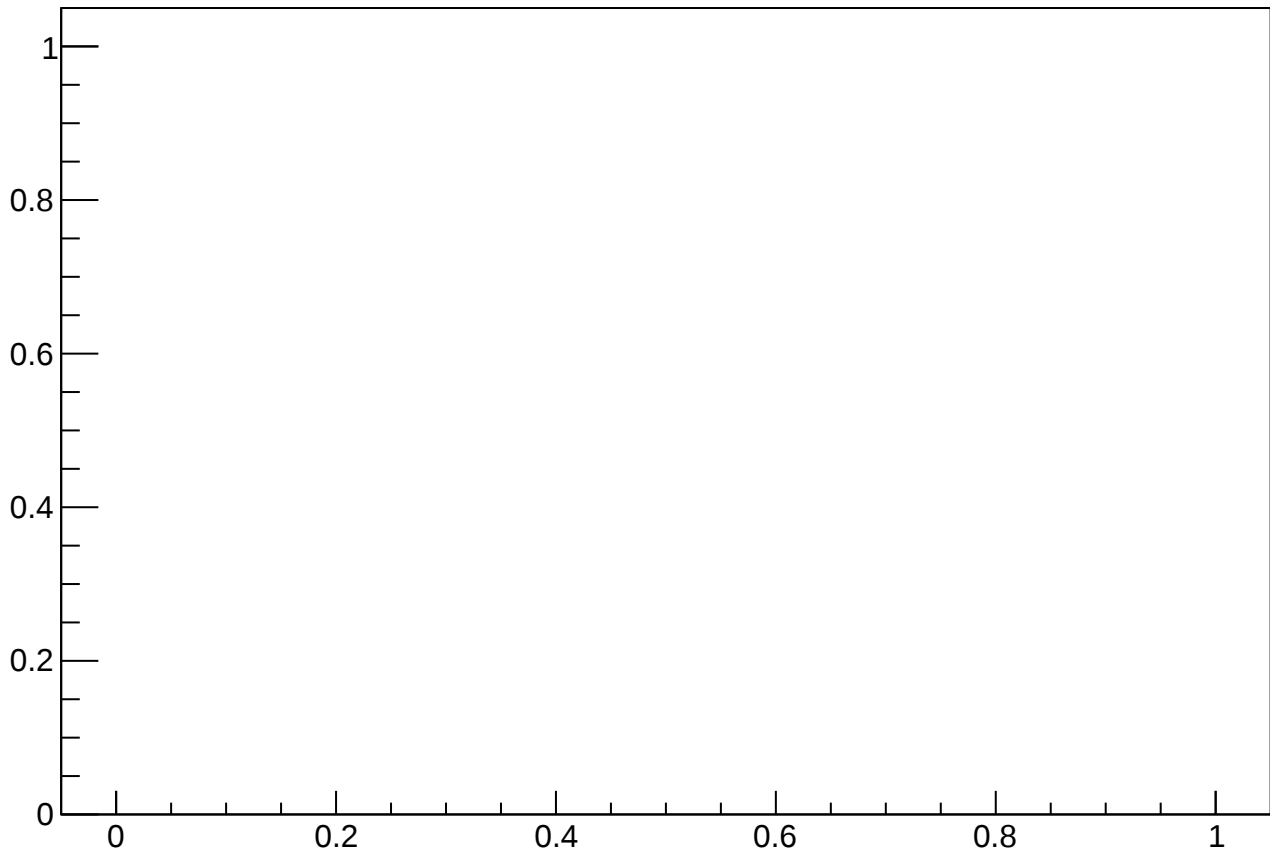
Left In: 215.862 $\pm$ 0.078 χ^2 /NDF: 363769.0/4

210.627 $\pm$ 0.045 χ^2 /NDF: 963290.5/23

206.966 $\pm$ 0.032 χ^2 /NDF: 2305419.6/48

203.358 $\pm$ 0.045 χ^2 /NDF: 1329102.7/24

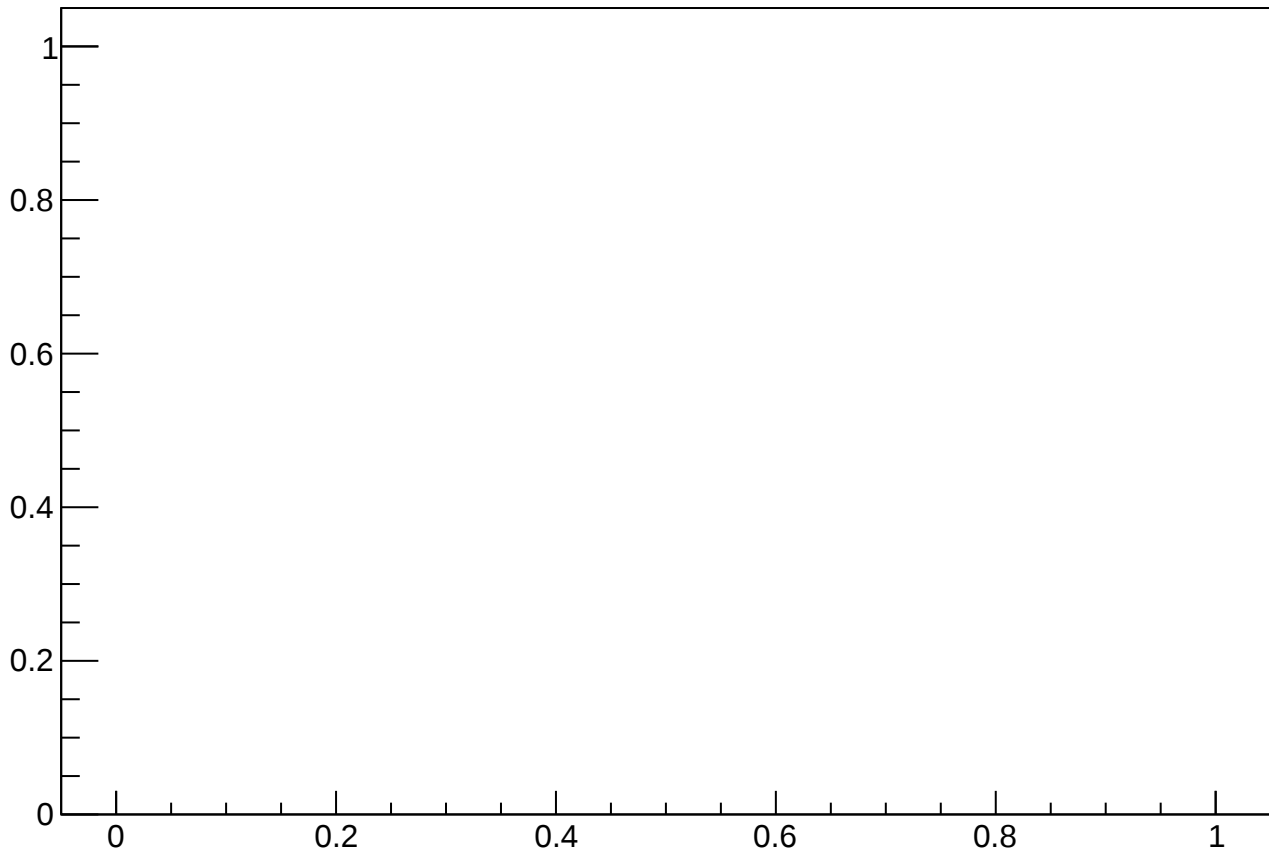
bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

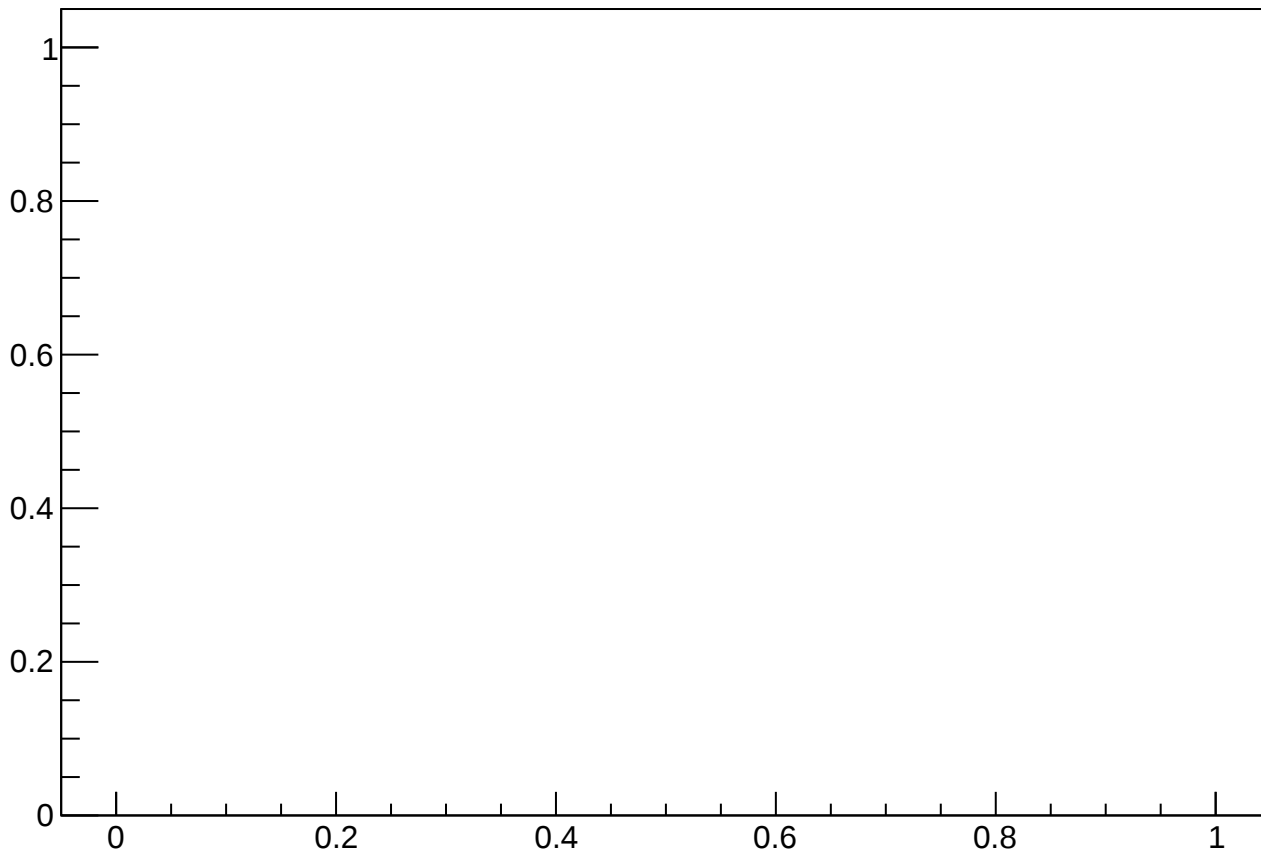
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

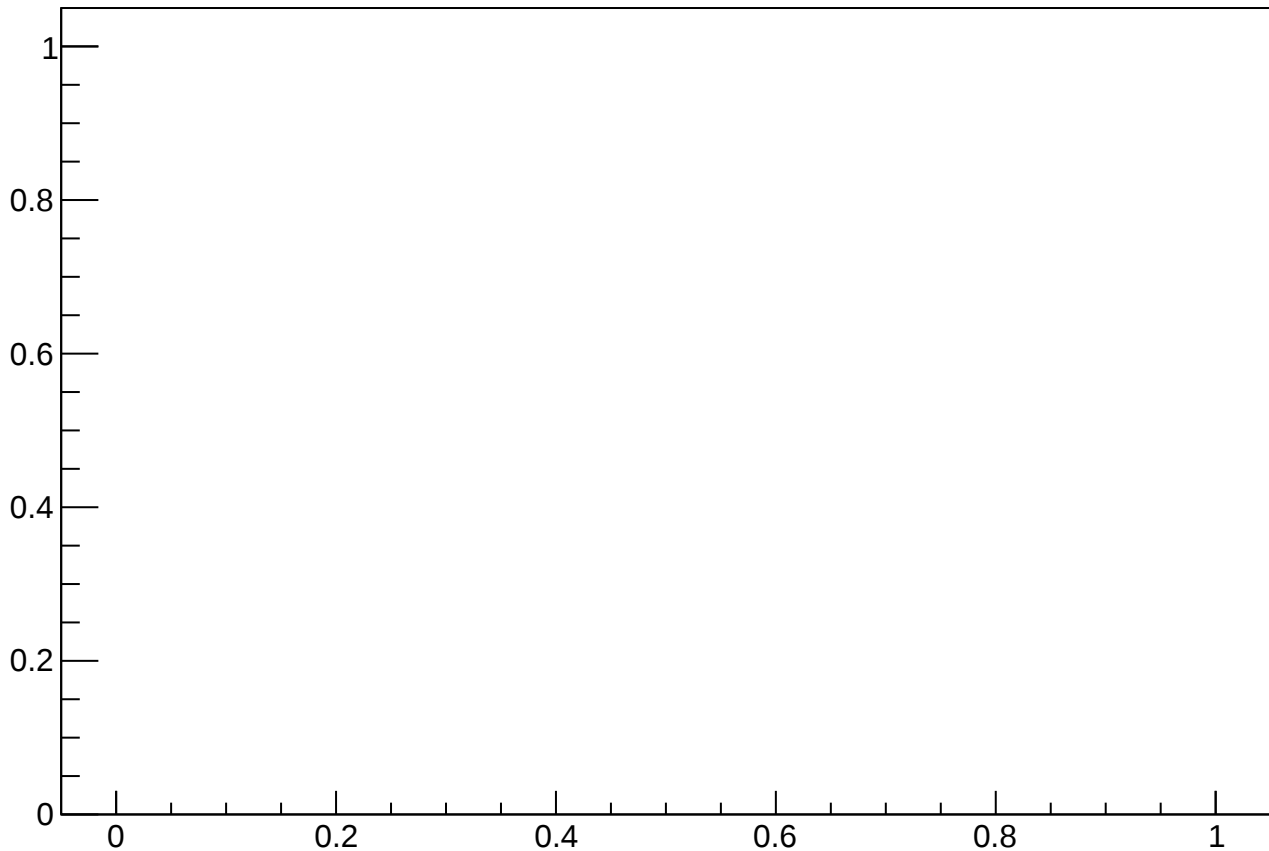
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

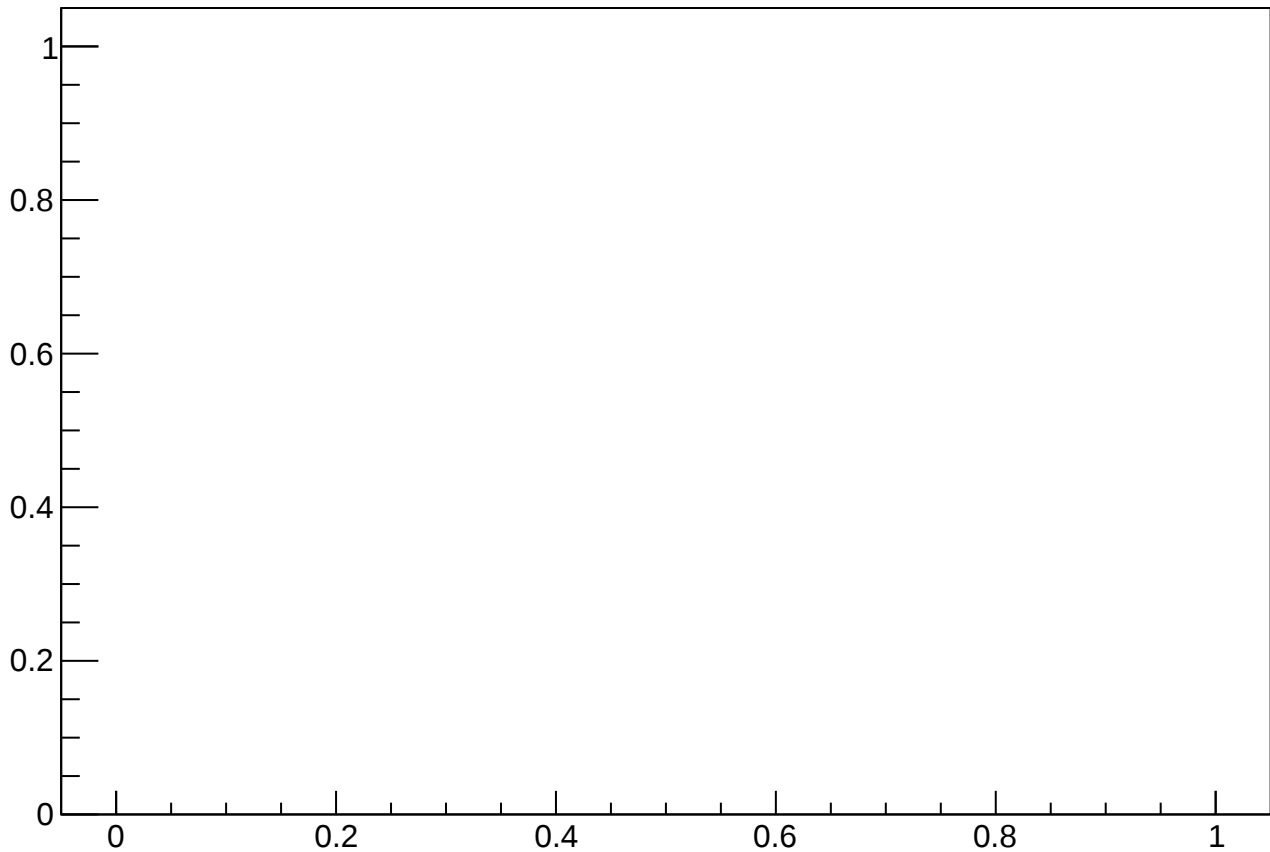
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

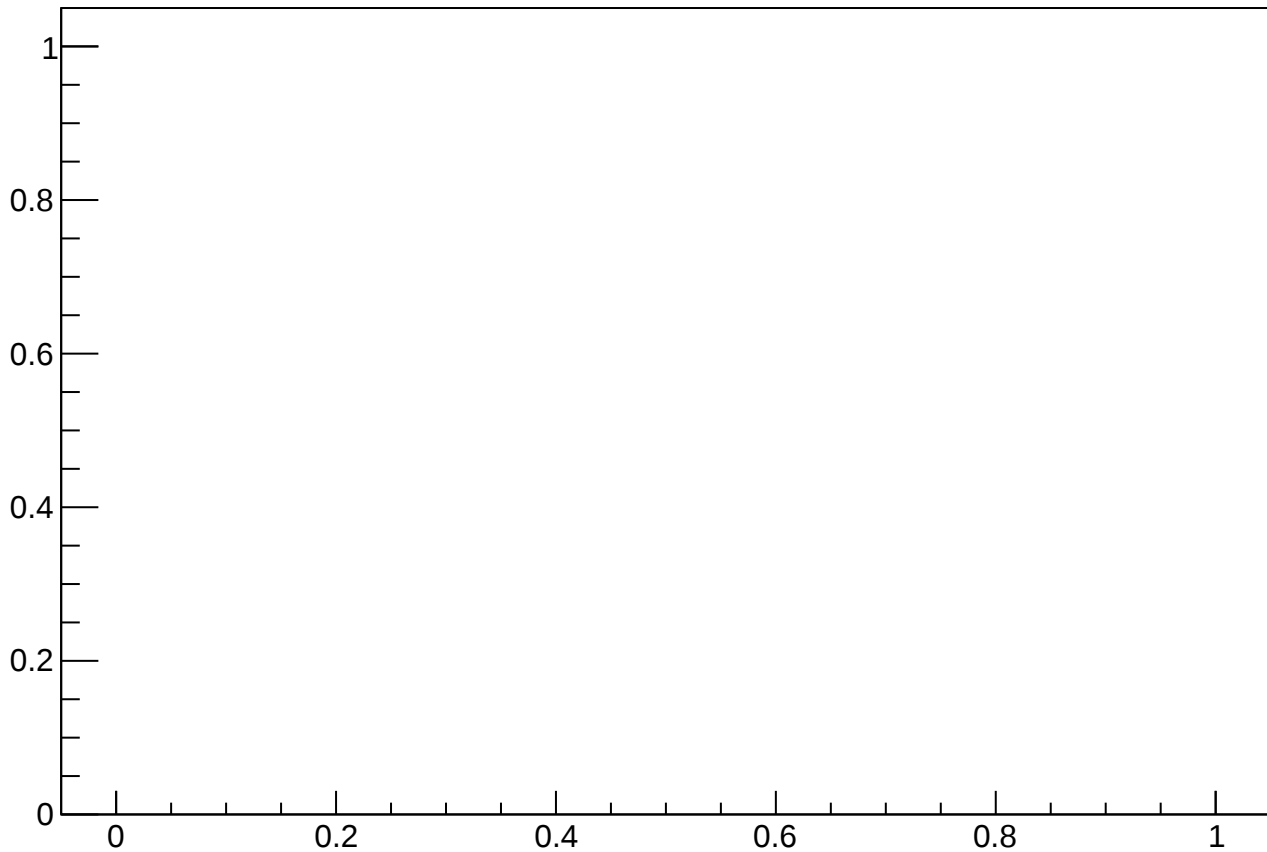
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

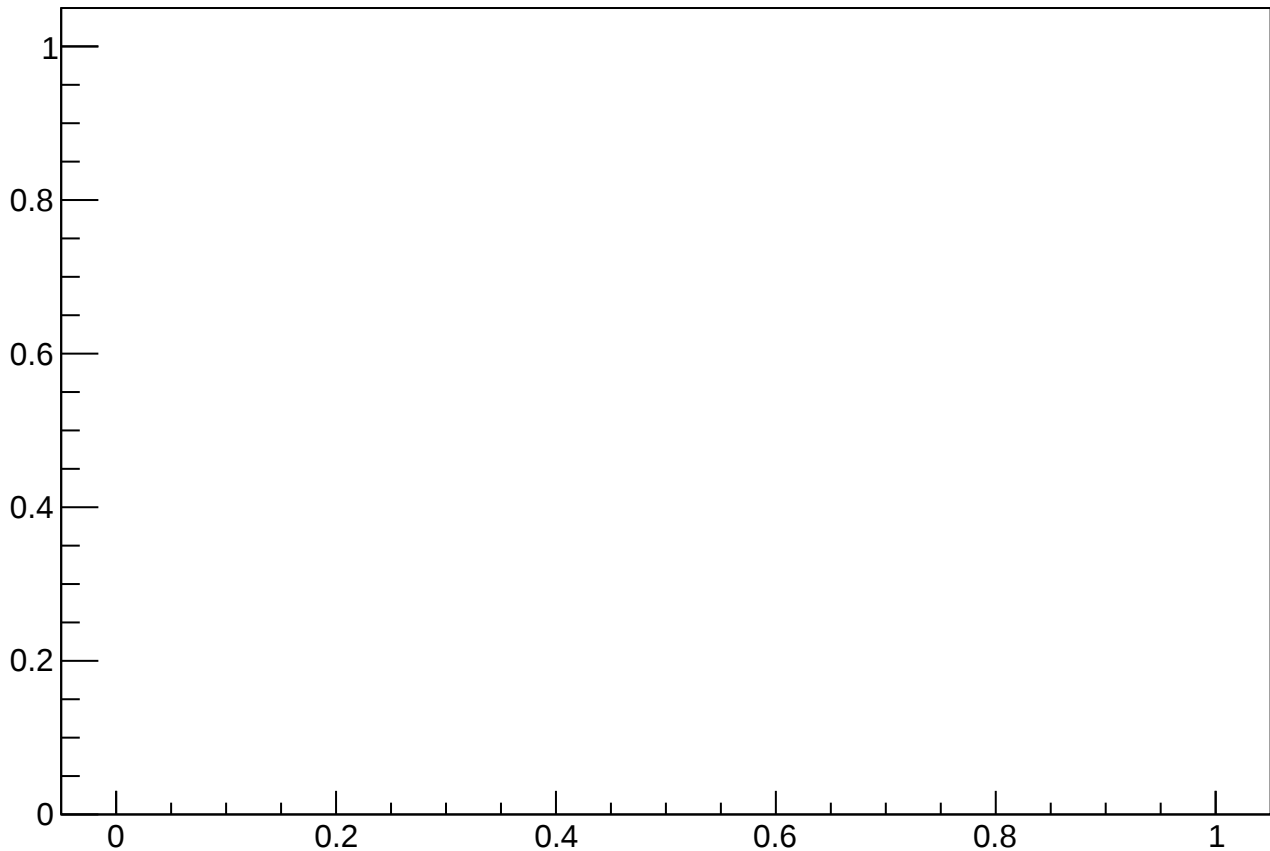
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

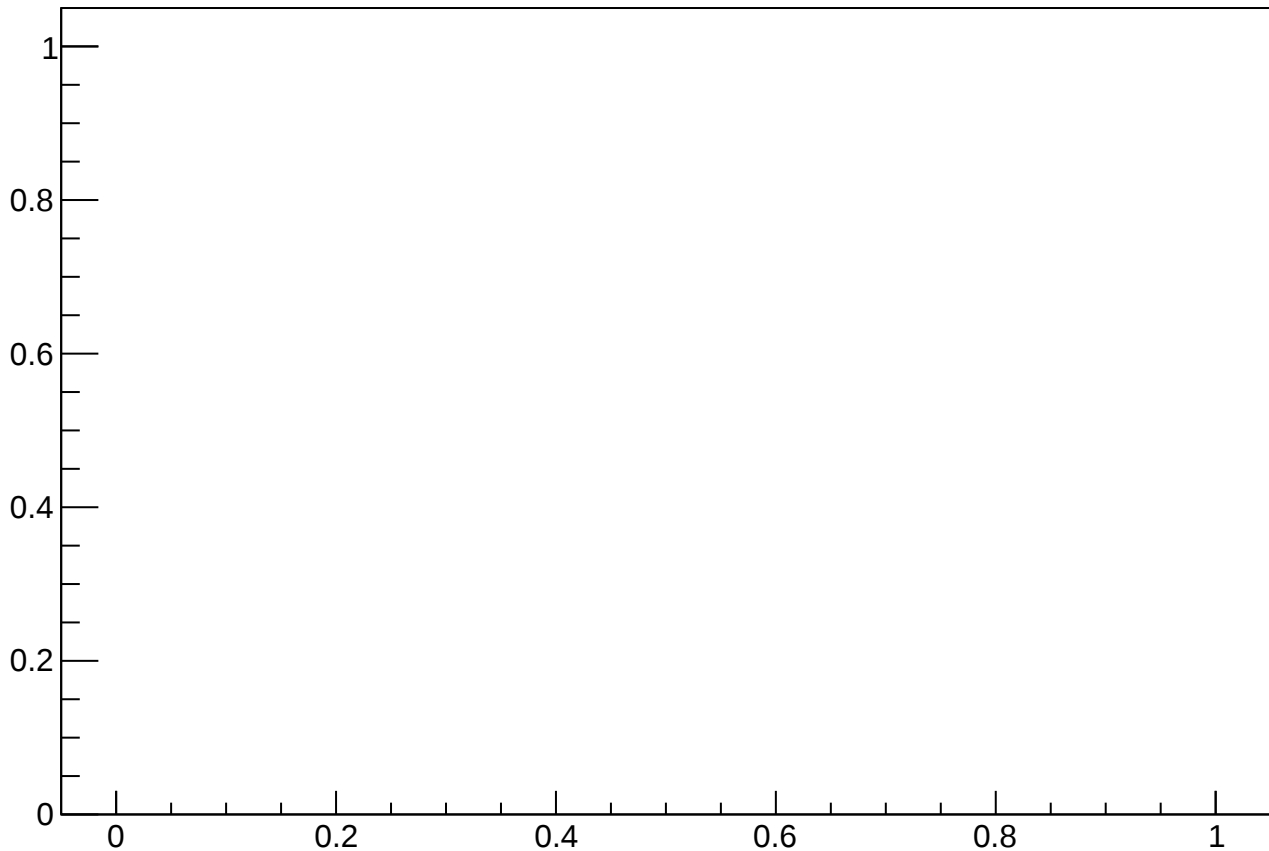
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

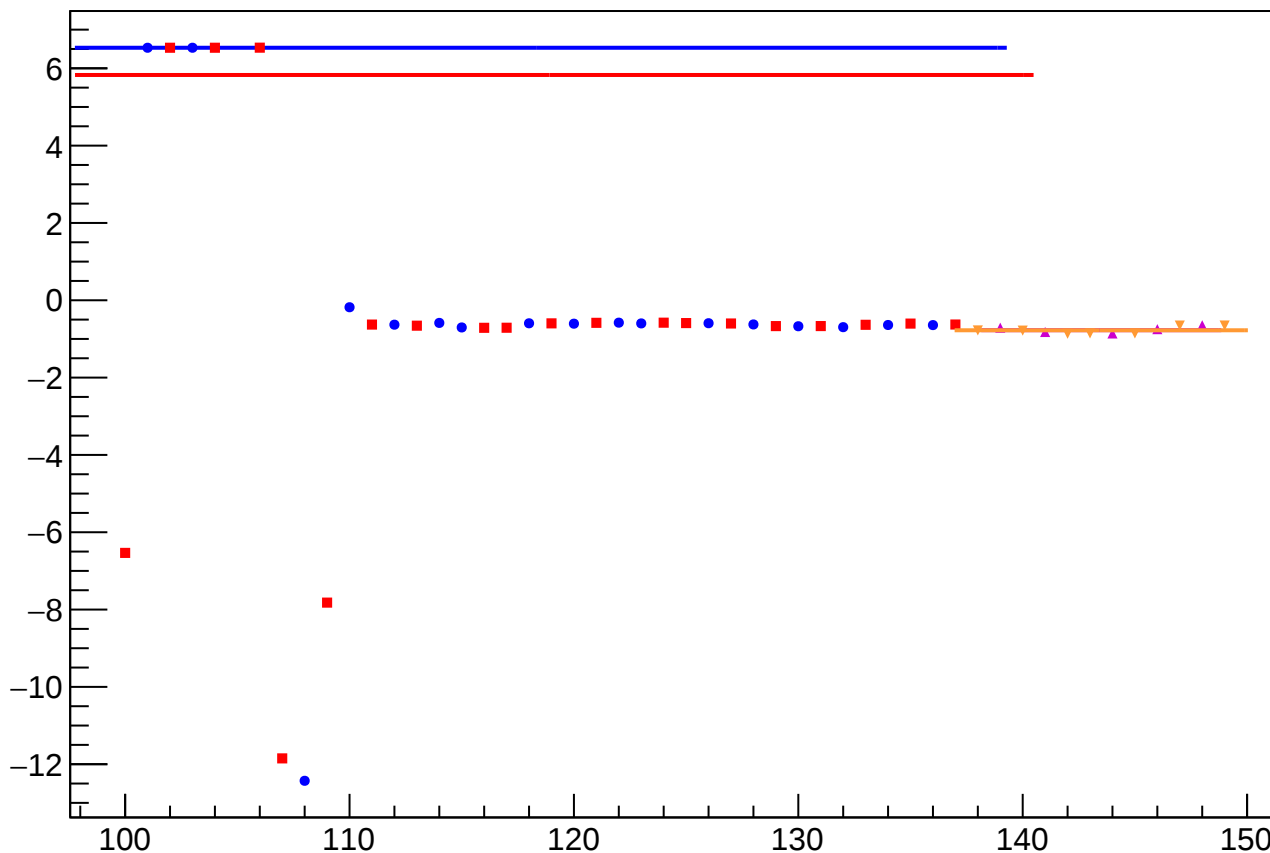
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -0.776 $\pm$ 0.000 χ^2/NDF : 41157637.9/6

Right Out: 5.827 $\pm$ 0.000 χ^2/NDF : 755964092355063.0/19

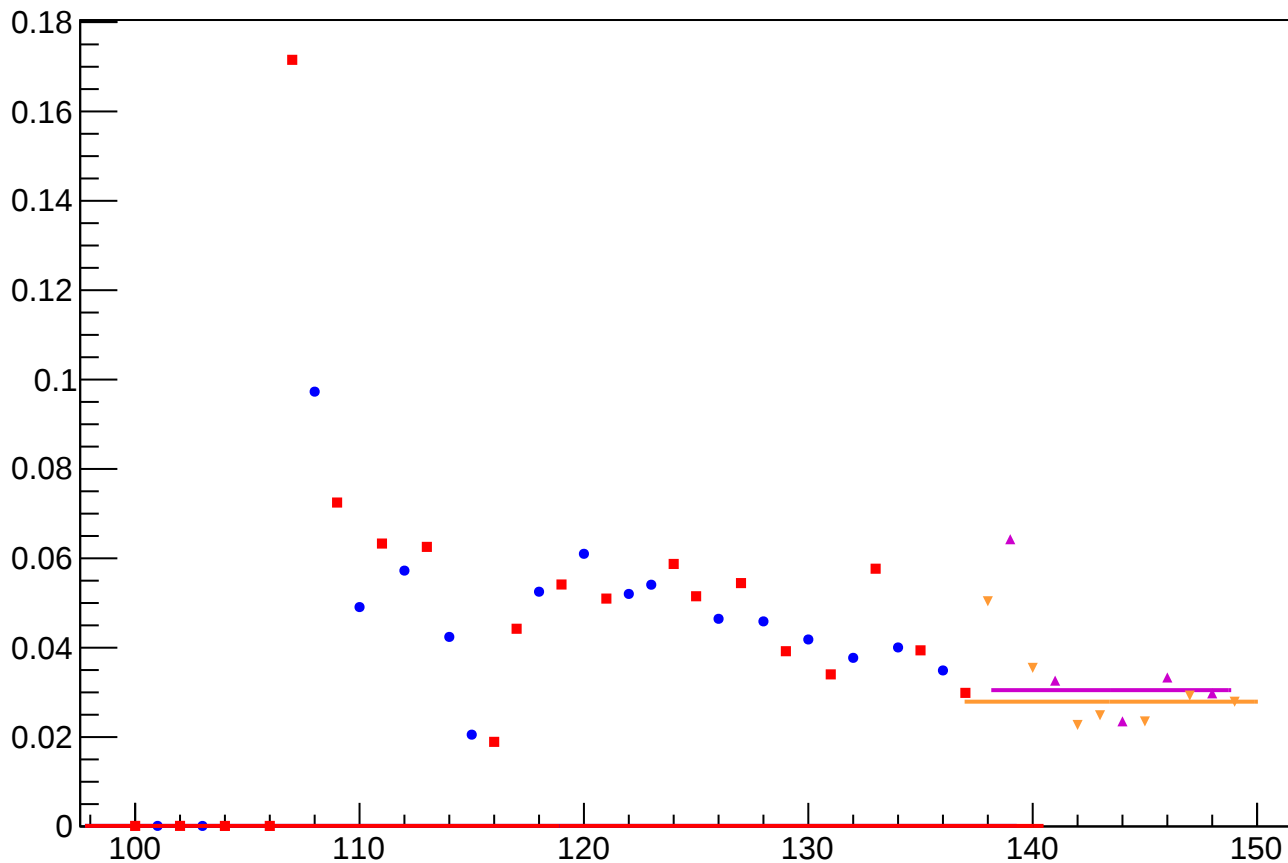
Left In: -0.773 $\pm$ 0.000 χ^2/NDF : 22746175.4/4

6.531 $\pm$ 0.000 χ^2/NDF : 373697039938.5/23

6.154 $\pm$ 0.000 χ^2/NDF : 77646967595153

5.827 $\pm$ 0.000 χ^2/NDF : 756102451708600.6/24

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.028+/-0.000 χ^2/NDF : 376527.7/6

Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

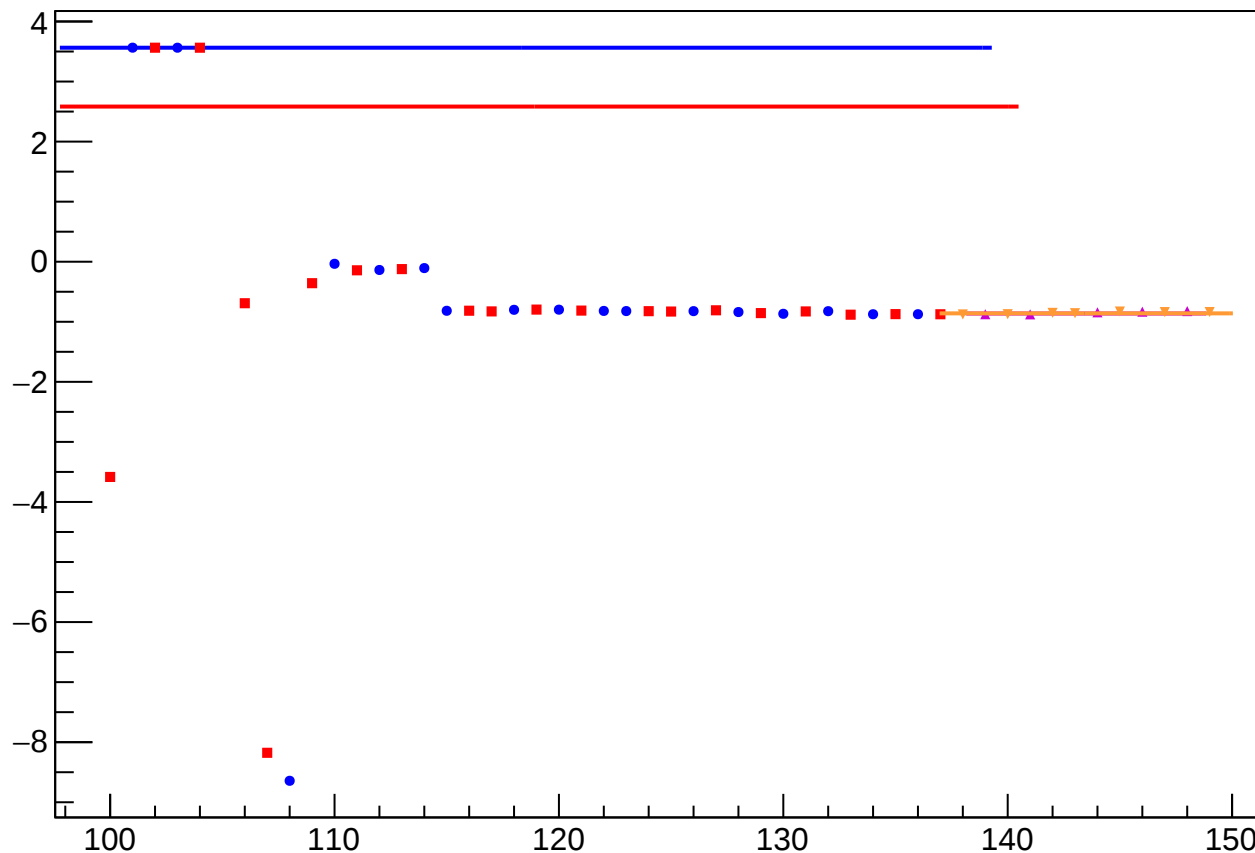
Left In: 0.031+/-0.000 χ^2/NDF : 511670.5/4

0.000+/-0.000 χ^2/NDF : 16397155.8/23

0.000+/-0.000 χ^2/NDF : 32198910.9/48

0.000+/-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: -0.860+/-0.000 χ^2/NDF : 15061873.5/6

Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

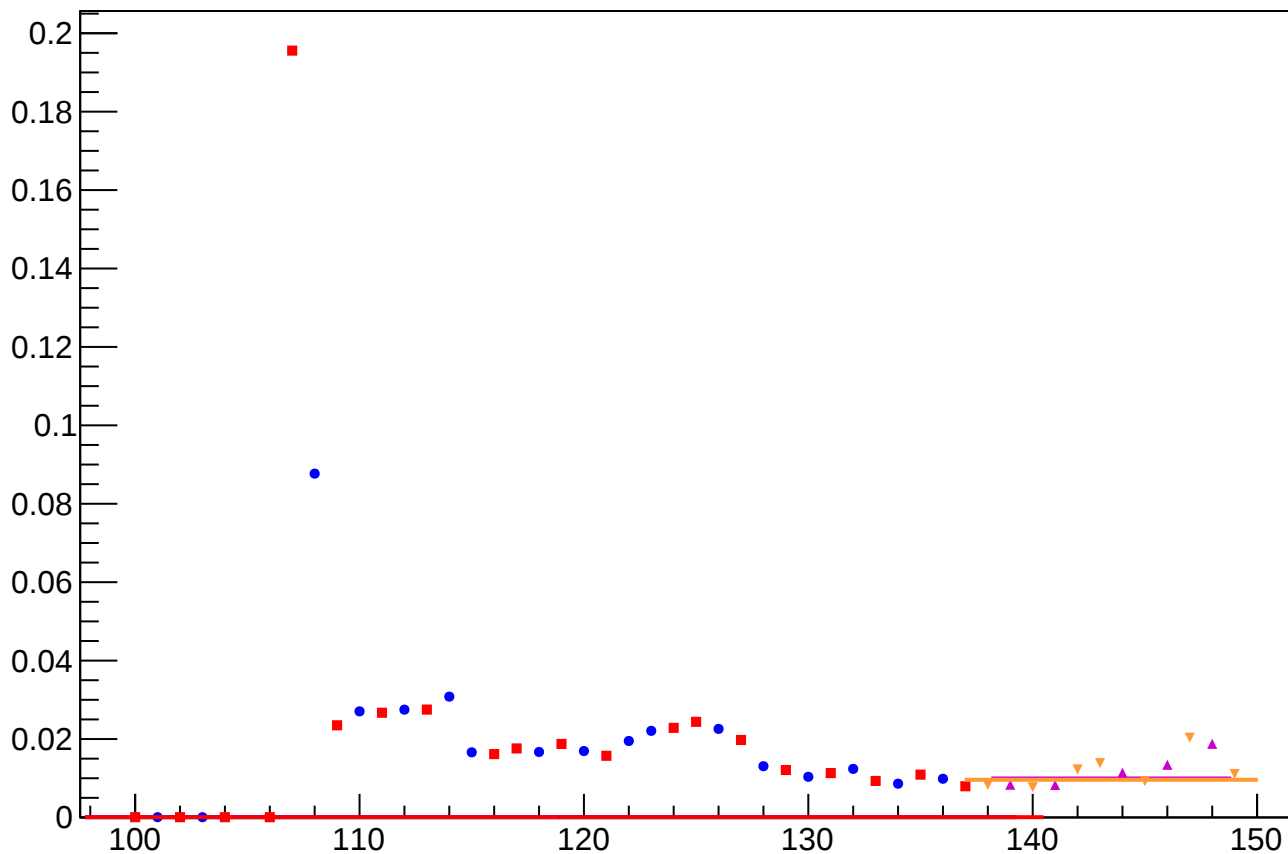
Left In: -0.863+/-0.000 χ^2/NDF : 11715495.9/4

3.563+/-0.000 χ^2/NDF : 1270383985111.4/23

3.040+/-0.000 χ^2/NDF : 13833531754332

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: 0.010+/-0.000 χ^2/NDF : 637407.5/6

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

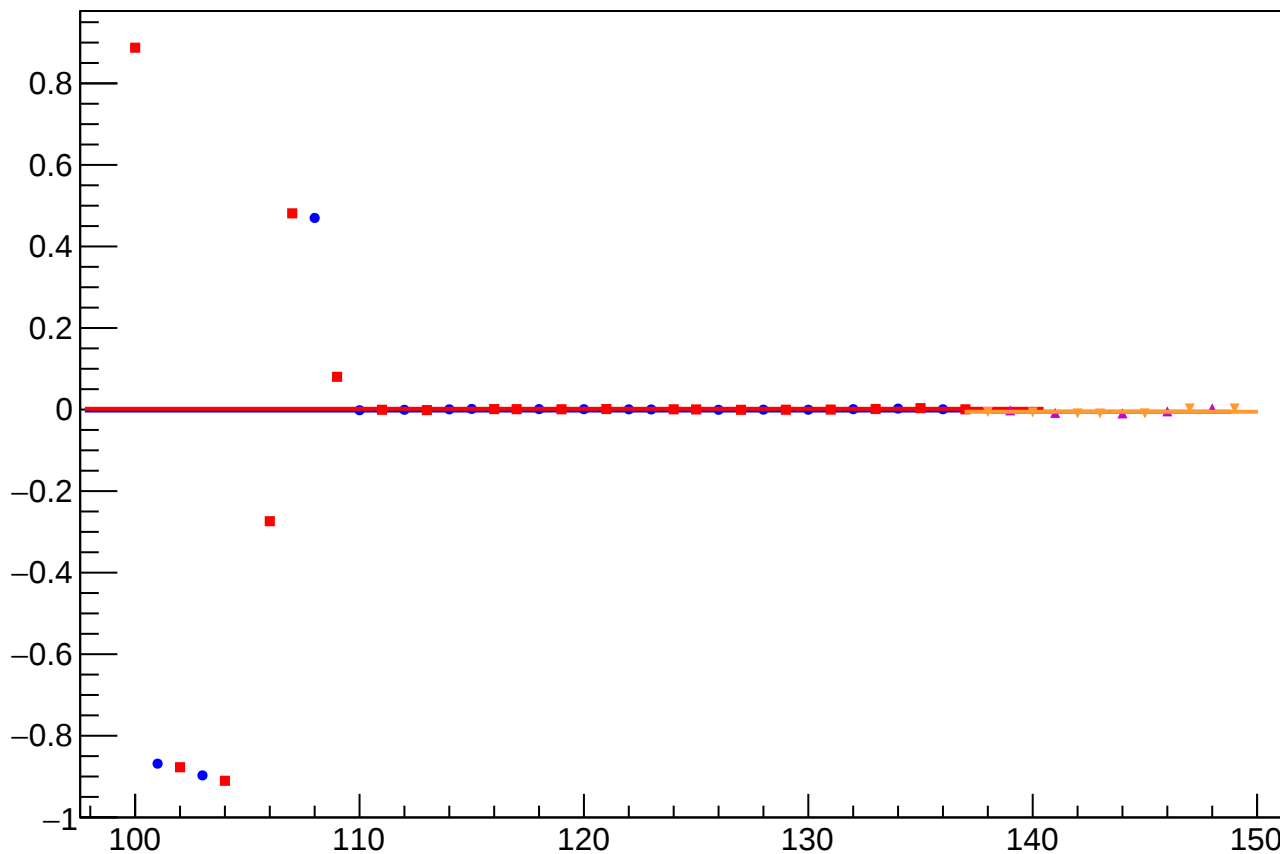
Left In: 0.010+/-0.000 χ^2/NDF : 515860.3/4

0.000+/-0.000 χ^2/NDF : 17697908.4/23

0.000+/-0.000 χ^2/NDF : 34334031.1/48

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: -0.005+/-0.000 χ^2/NDF : 47458202.3/6

Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

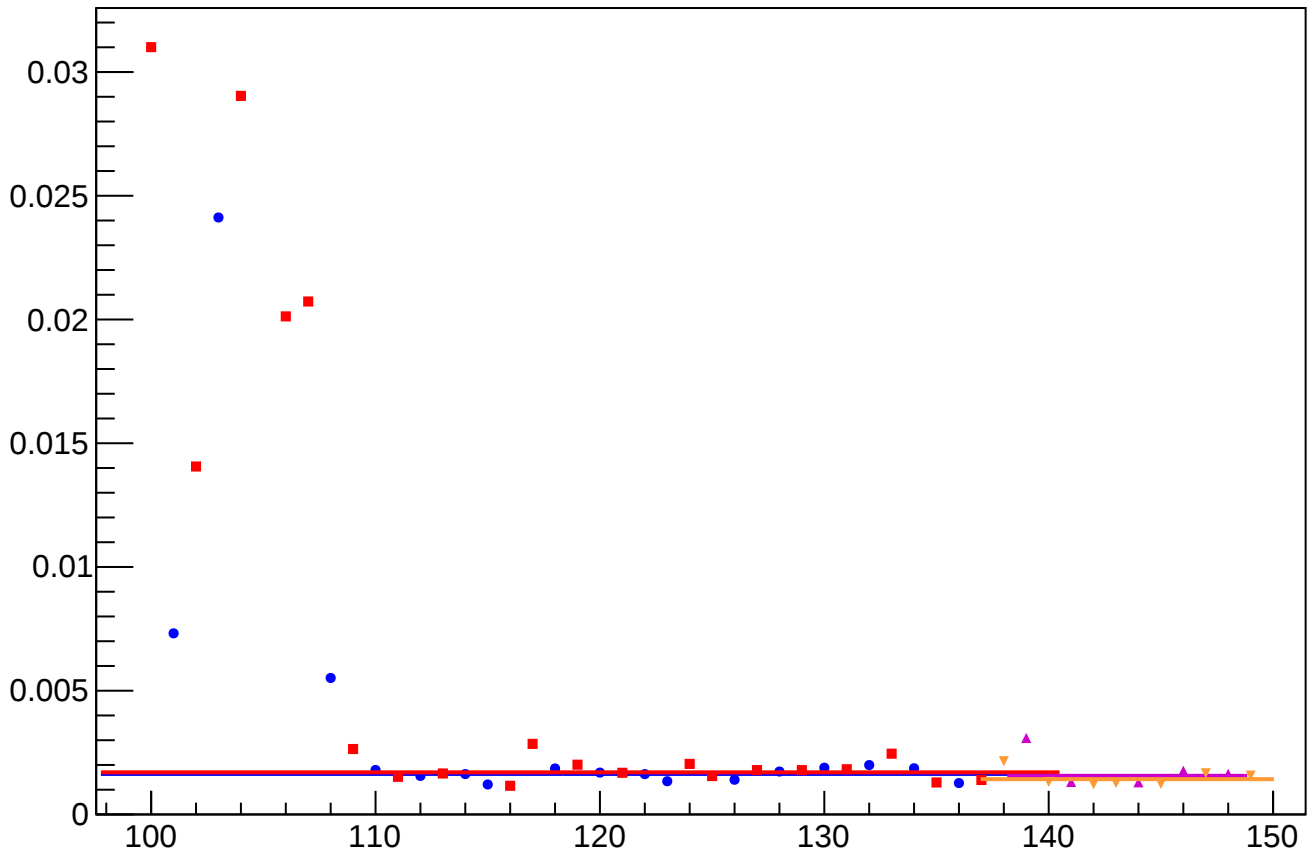
Left In: -0.005+/-0.000 χ^2/NDF : 26670316.3/4

-0.004+/-0.000 χ^2/NDF : 9850222748.7/23

-0.003+/-0.000 χ^2/NDF : 12963834680.6/4

-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 : 239297.3/6

Right Out: 0.002 ± 0.000 χ^2/NDF : 3037006.7/19

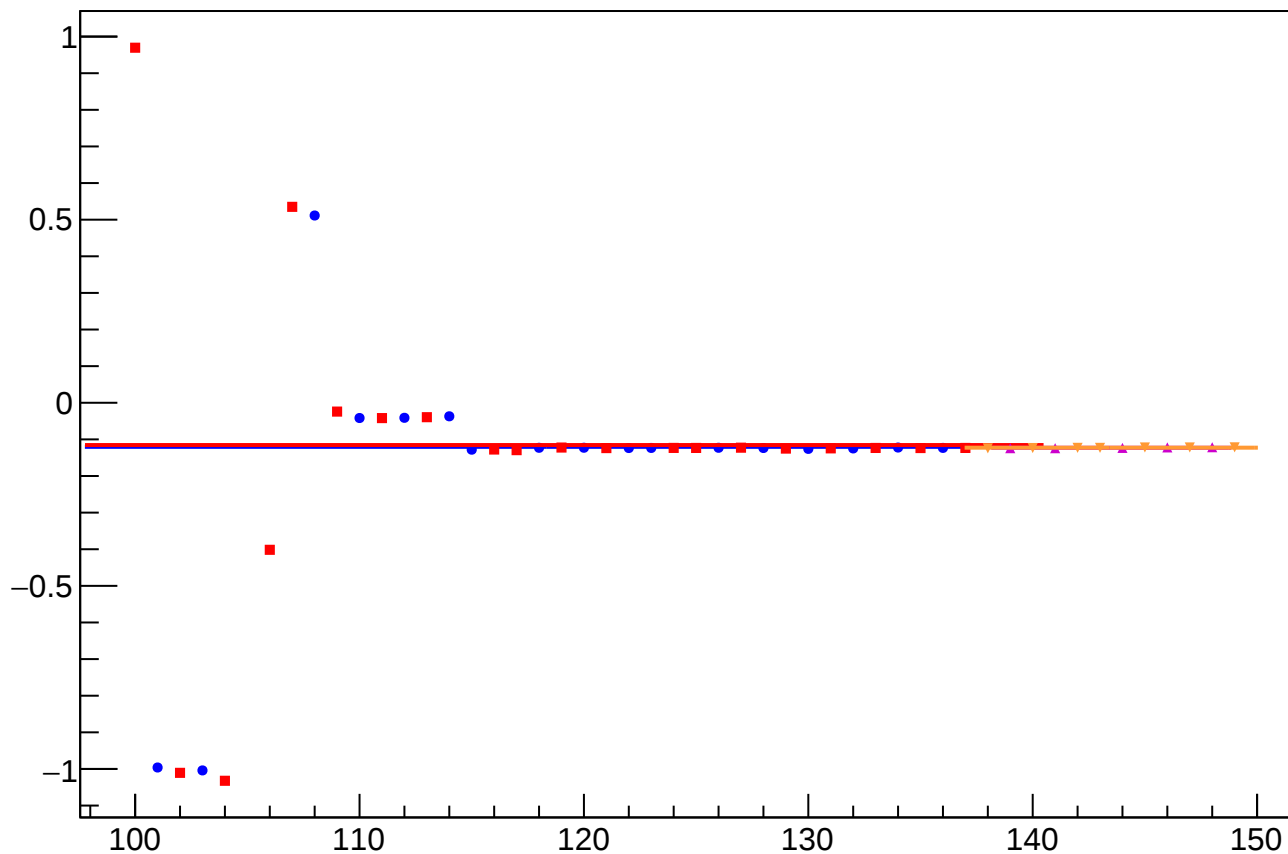
Left In: 0.002 ± 0.000 χ^2/NDF : 465961.7/4

0.002 ± 0.000 χ^2/NDF : 2232839.4/23

0.002 ± 0.000 χ^2/NDF : 5800581.6/48

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 : 2750361.0/6

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

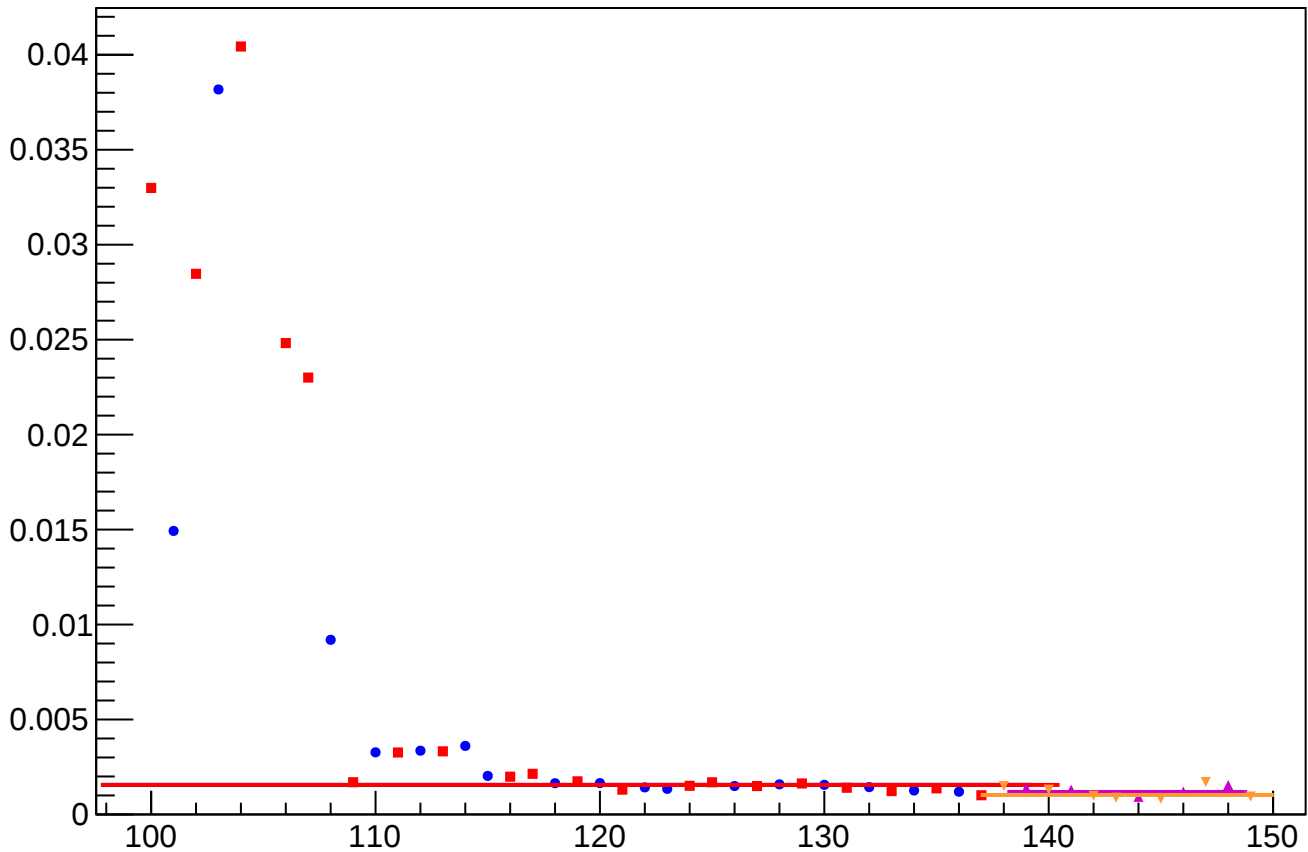
Left In: -0.123+/-0.000 χ^2/NDF : 2336332.7/4

-0.122+/-0.000 χ^2/NDF : 3941836314.1/23

-0.121+/-0.000 χ^2/NDF : 6475387530.0/40

-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:558617.8/6

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3545212.9/19

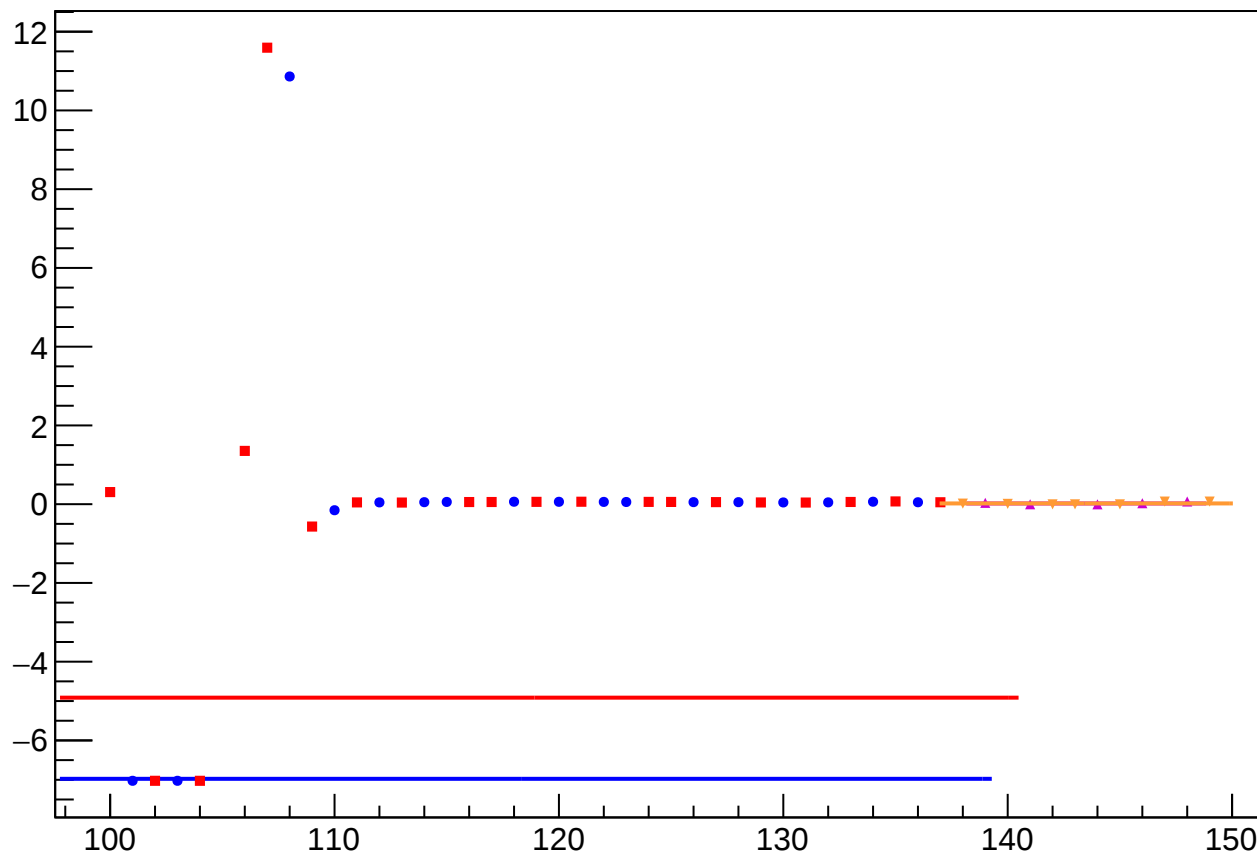
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:250254.9/4

0.001 $\pm$ 0.000 χ^2 /NDF: 4186122.9/23

0.001 $\pm$ 0.000 χ^2 /NDF: 8395489.7/48

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: 0.019 +/- 0.000 χ^2/NDF : 47093069.6/6

Right Out: -4.914 +/- 0.000 χ^2/NDF : 365362121338855.3/19

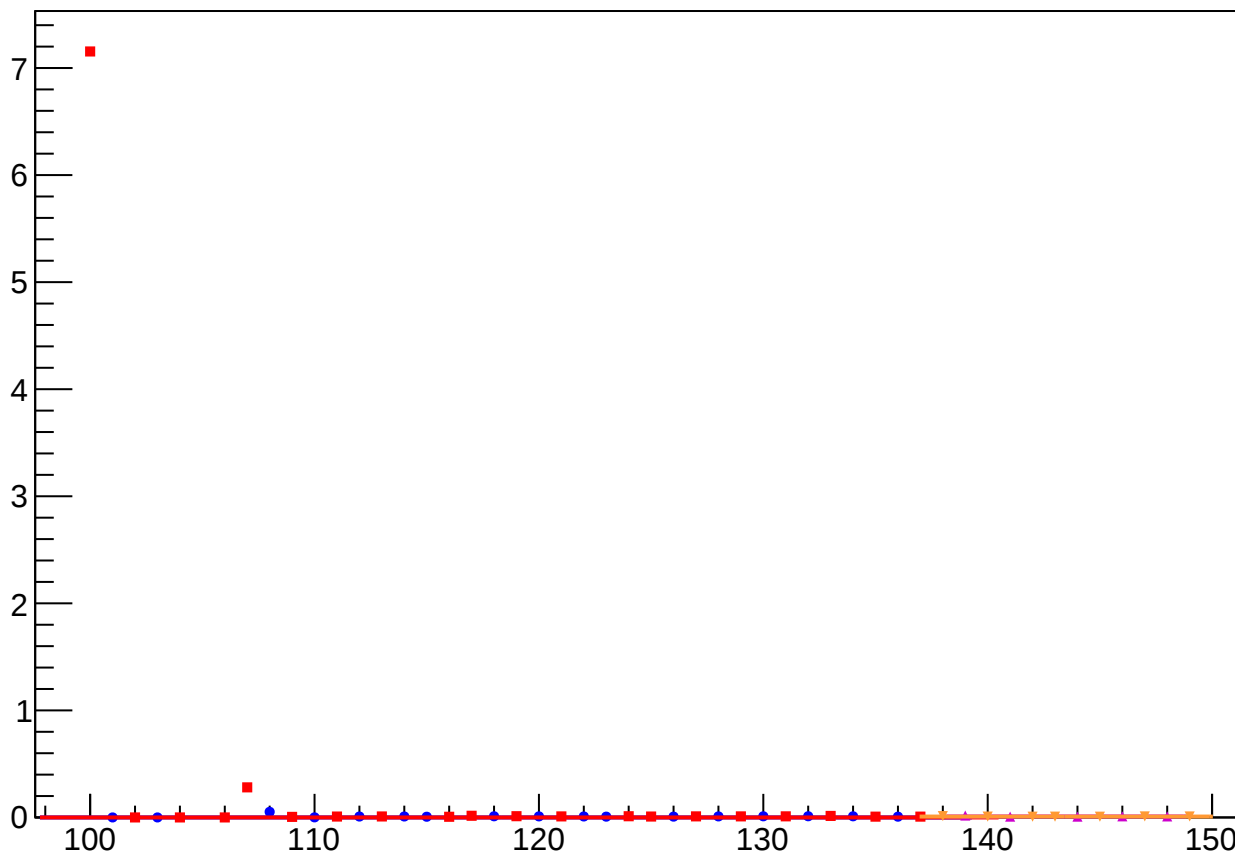
Left In: 0.018 +/- 0.000 χ^2/NDF : 27935591.4/4

-6.961 +/- 0.000 χ^2/NDF : 11254065004543.1/23

-5.890 +/- 0.000 χ^2/NDF : 43337352307429

-4.907 +/- 0.000 χ^2/NDF : 366241526309320.6/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8242728.7/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:242372.9/6

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8854773.0/19

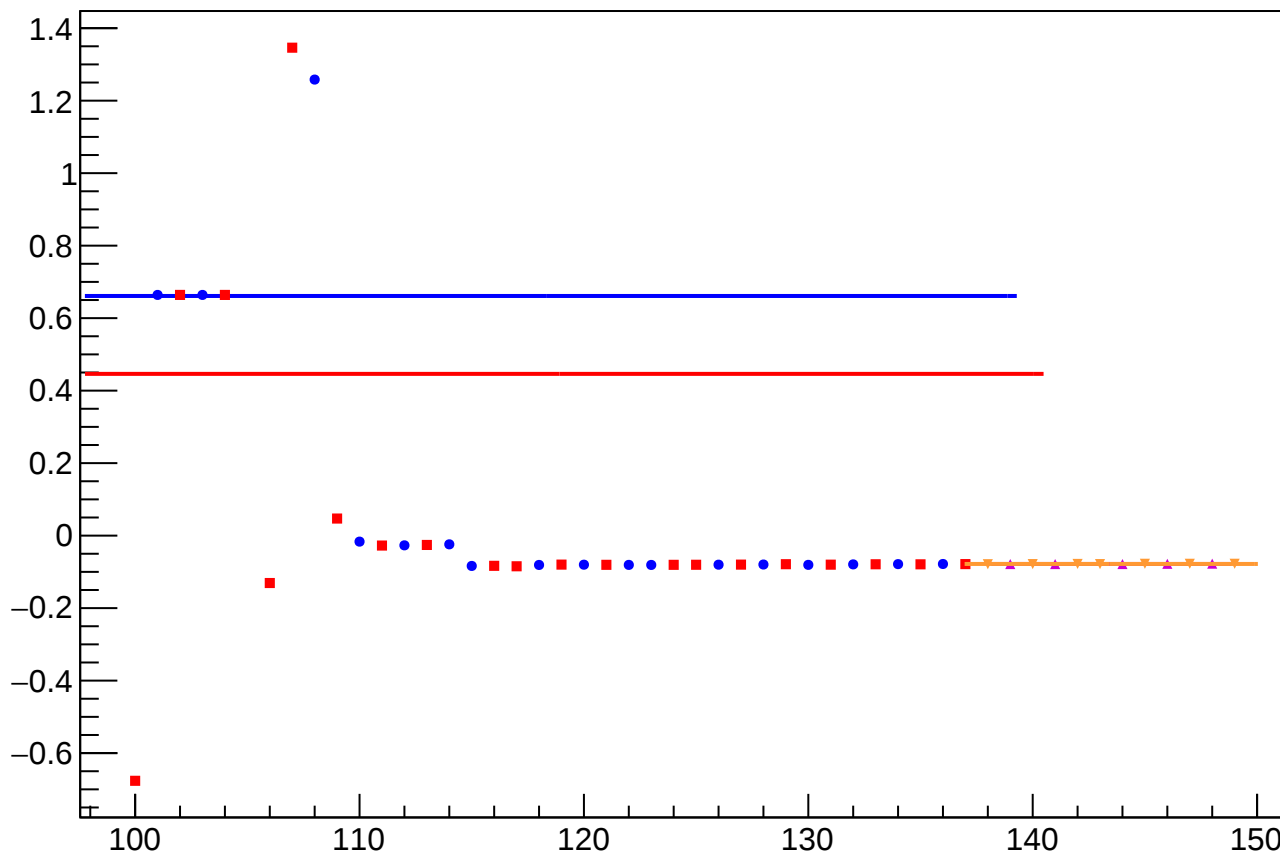
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:464936.3/4

0.000 $\pm$ 0.000 χ^2 /NDF: 15430233.8/23

0.000 $\pm$ 0.000 χ^2 /NDF: 30515746.9/48

0.000 $\pm$ 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 : 3266571.1/6

Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

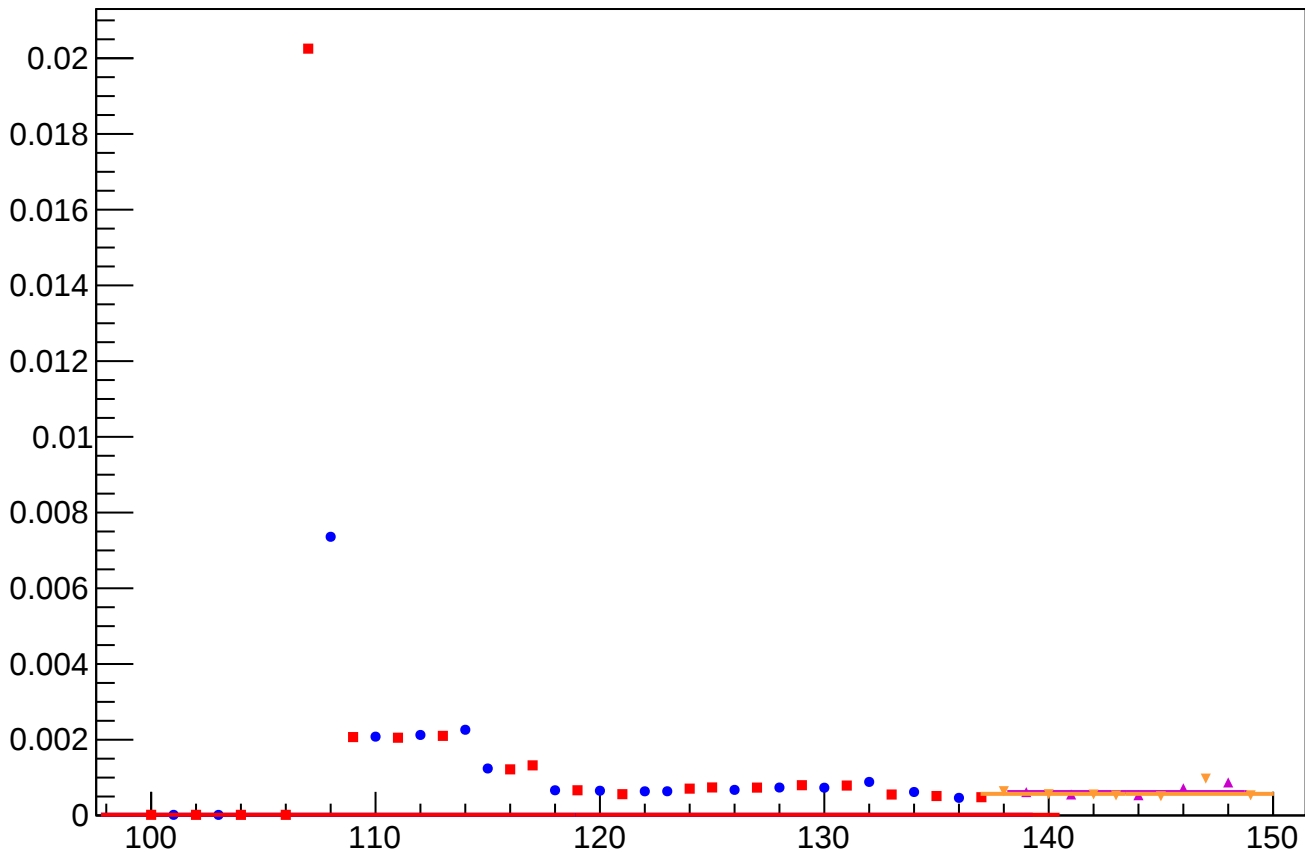
Left In: -0.078+/-0.000 χ^2/NDF : 1448107.0/4

0.657+/-0.000 χ^2/NDF : 13269813038246.6/23

0.546+/-0.000 χ^2/NDF : 48330159992800

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 : 314636.8/6

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

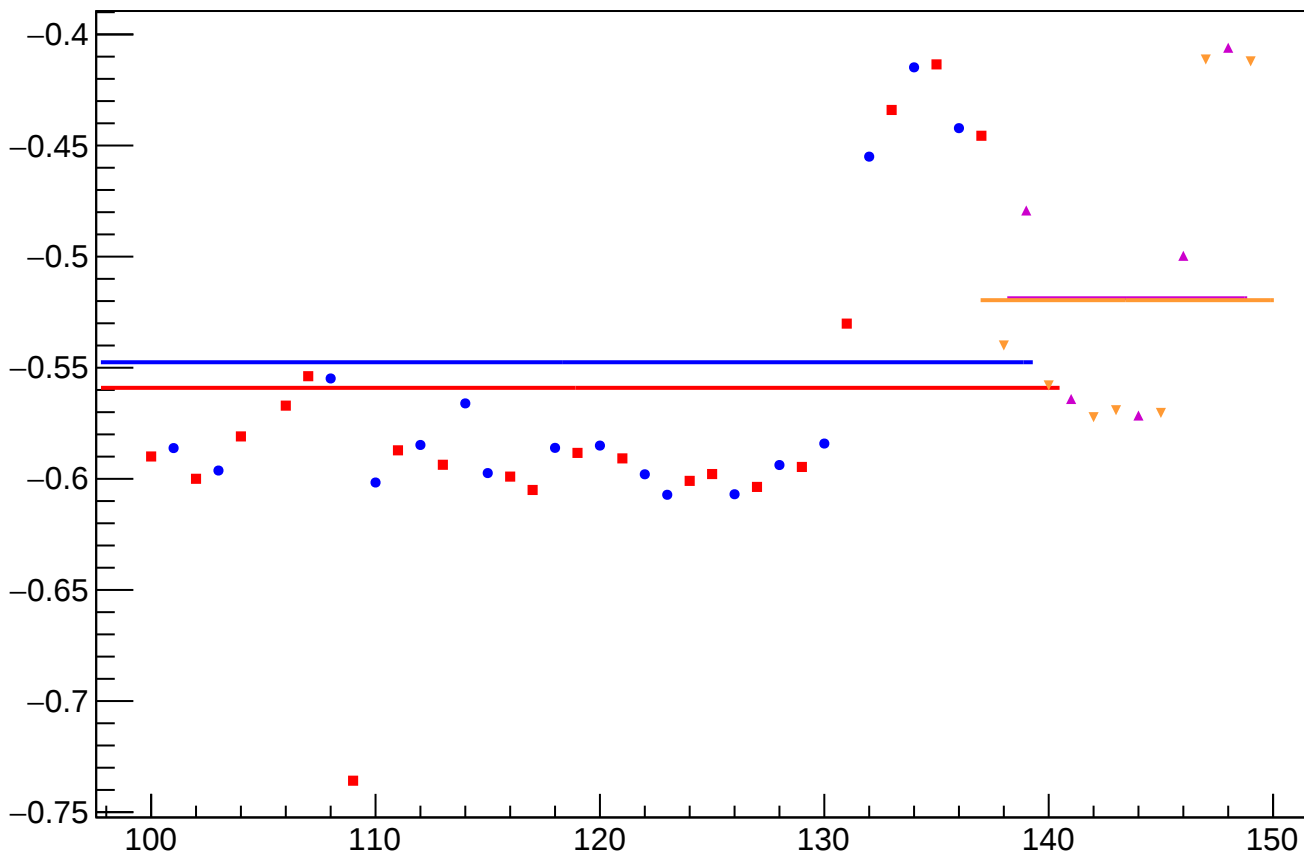
Left In: 0.001+/-0.000 χ^2/NDF : 218963.9/4

0.000+/-0.000 χ^2/NDF : 18737281.2/23

0.000+/-0.000 χ^2/NDF : 35514642.6/48

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: -0.520+/-0.000 χ^2/NDF : 50820627.5/6

Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

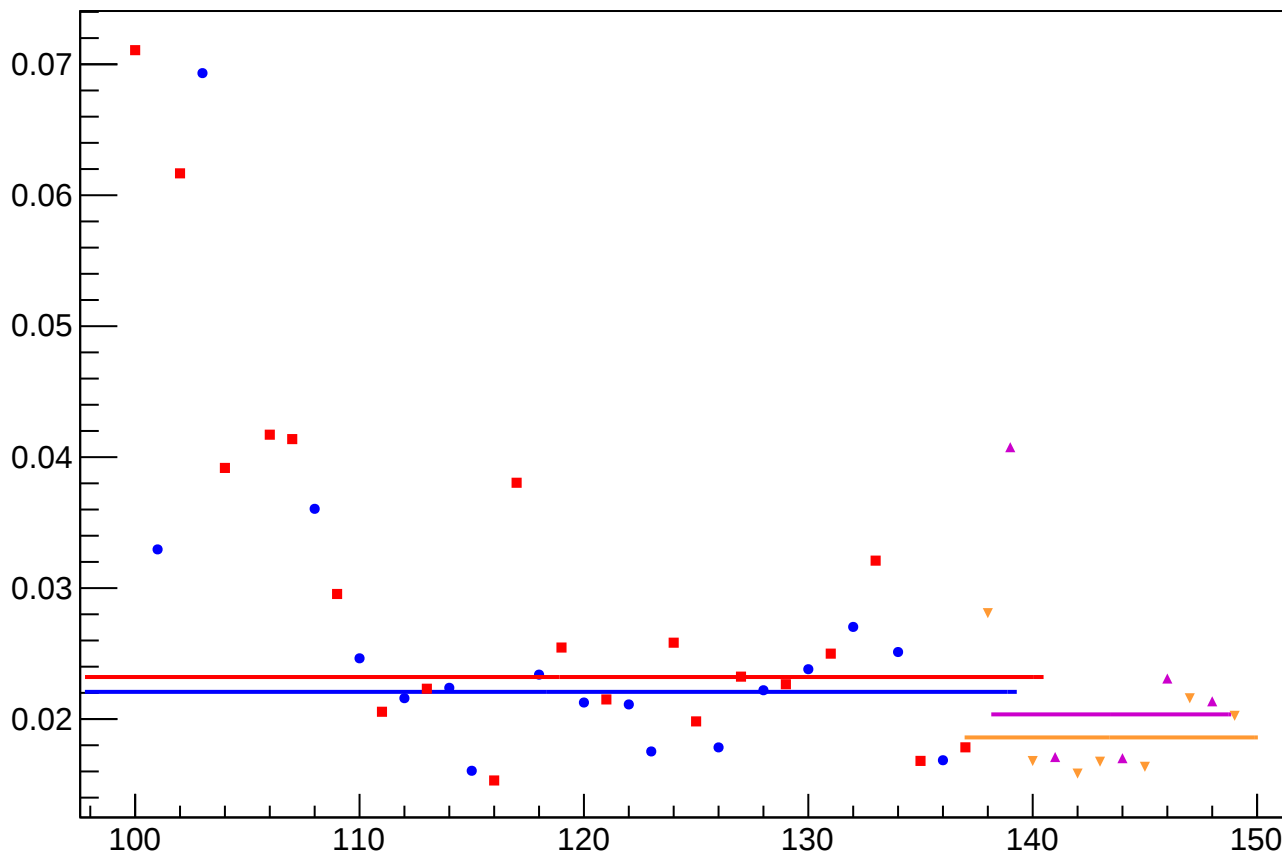
Left In: -0.519+/-0.000 χ^2/NDF : 29501186.0/4

-0.534+/-0.000 χ^2/NDF : 103419000.0/23

-0.537+/-0.000 χ^2/NDF : 205795118.1/48

-0.542+/-0.000 χ^2/NDF : 101684427.6/24

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2/NDF : 954779.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF : 229469.3/6

Right Out: 0.023 $\pm$ 0.000 χ^2/NDF : 1169013.8/19

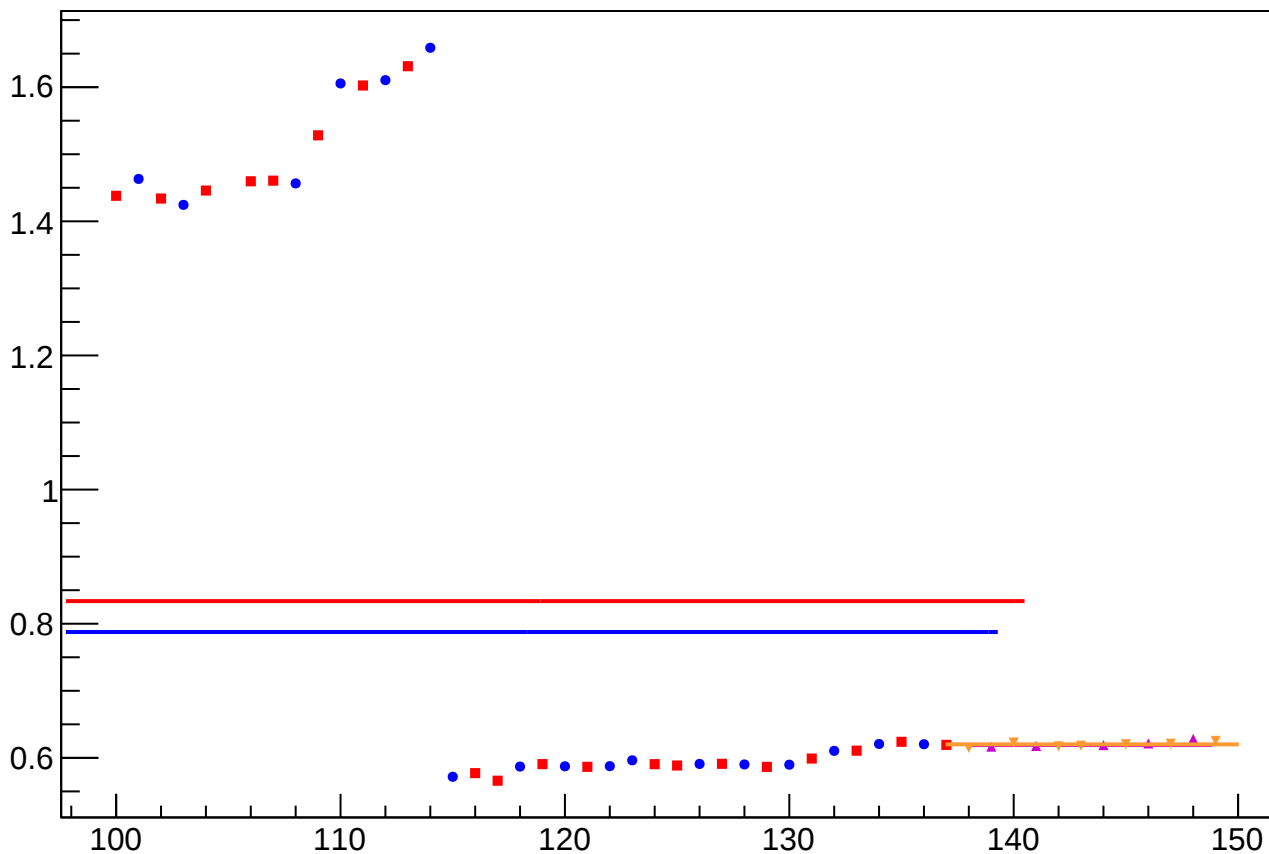
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 472475.8/4

0.020 $\pm$ 0.000 χ^2/NDF : 1310039.3/23

0.021 $\pm$ 0.000 χ^2/NDF : 3072618.4/48

0.022 $\pm$ 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: 0.620 $\pm$ 0.000 χ^2 /NDF:356617.5/6

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4155673215.9/19

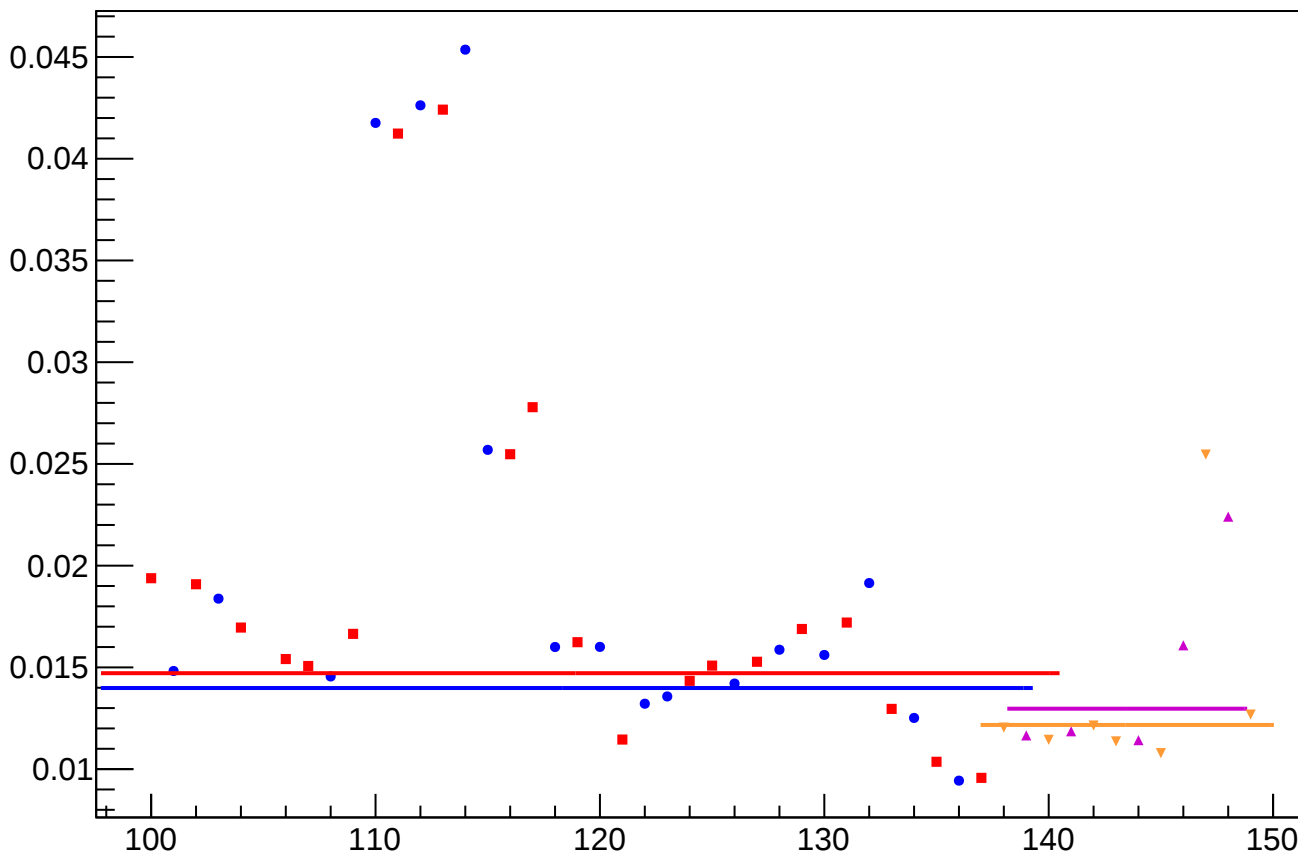
Left In: 0.619 $\pm$ 0.000 χ^2 /NDF:185326.4/4

0.701 $\pm$ 0.000 χ^2 /NDF: 3998911430.6/23

0.719 $\pm$ 0.000 χ^2 /NDF: 8757729231.4/48

0.740 $\pm$ 0.000 χ^2 /NDF: 4718045346.2/24

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 444520.3/6

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1275472.3/19

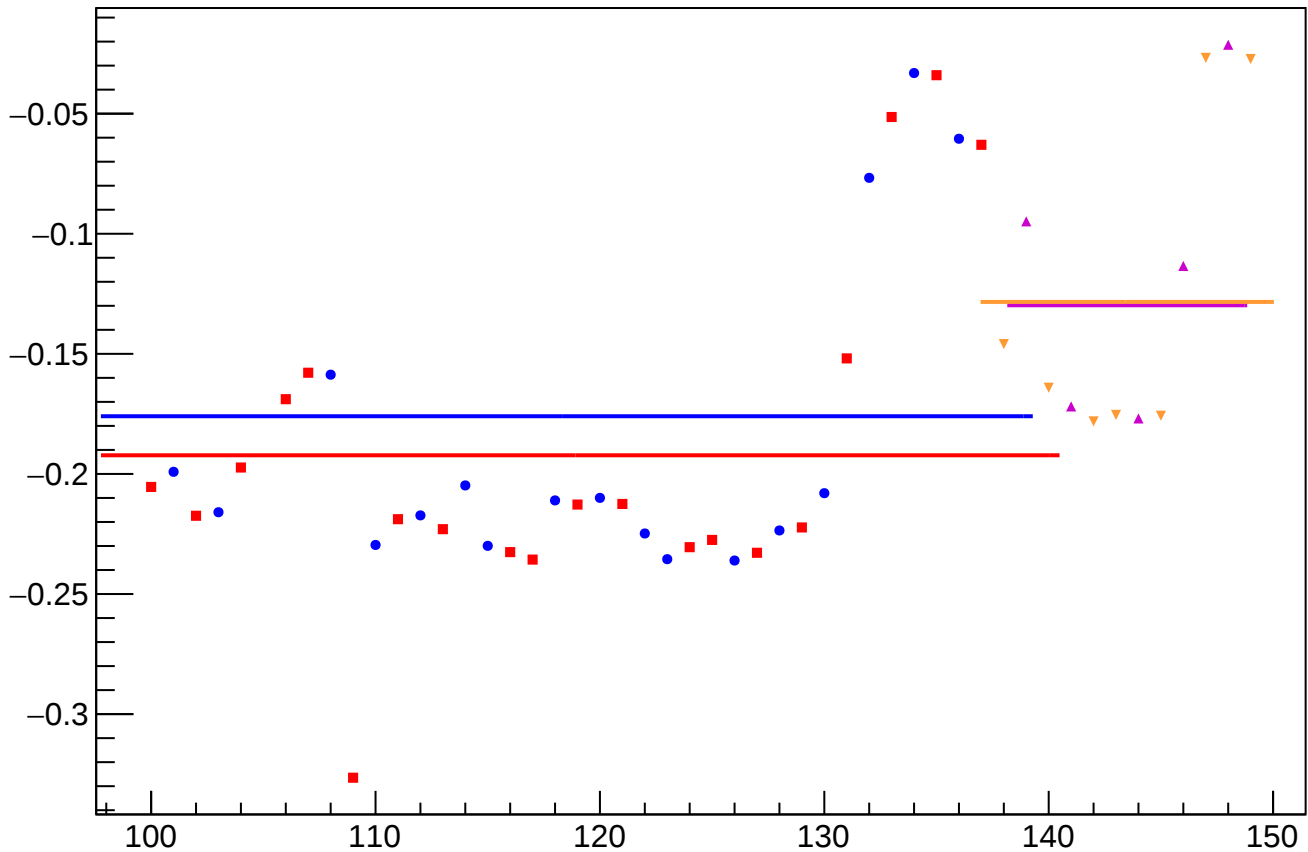
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 386568.9/4

0.013 $\pm$ 0.000 χ^2/NDF : 1940901.2/23

0.013 $\pm$ 0.000 χ^2/NDF : 3721533.5/48

0.014 $\pm$ 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: -0.128+/-0.000 χ^2/NDF : 49372563.7/6

Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

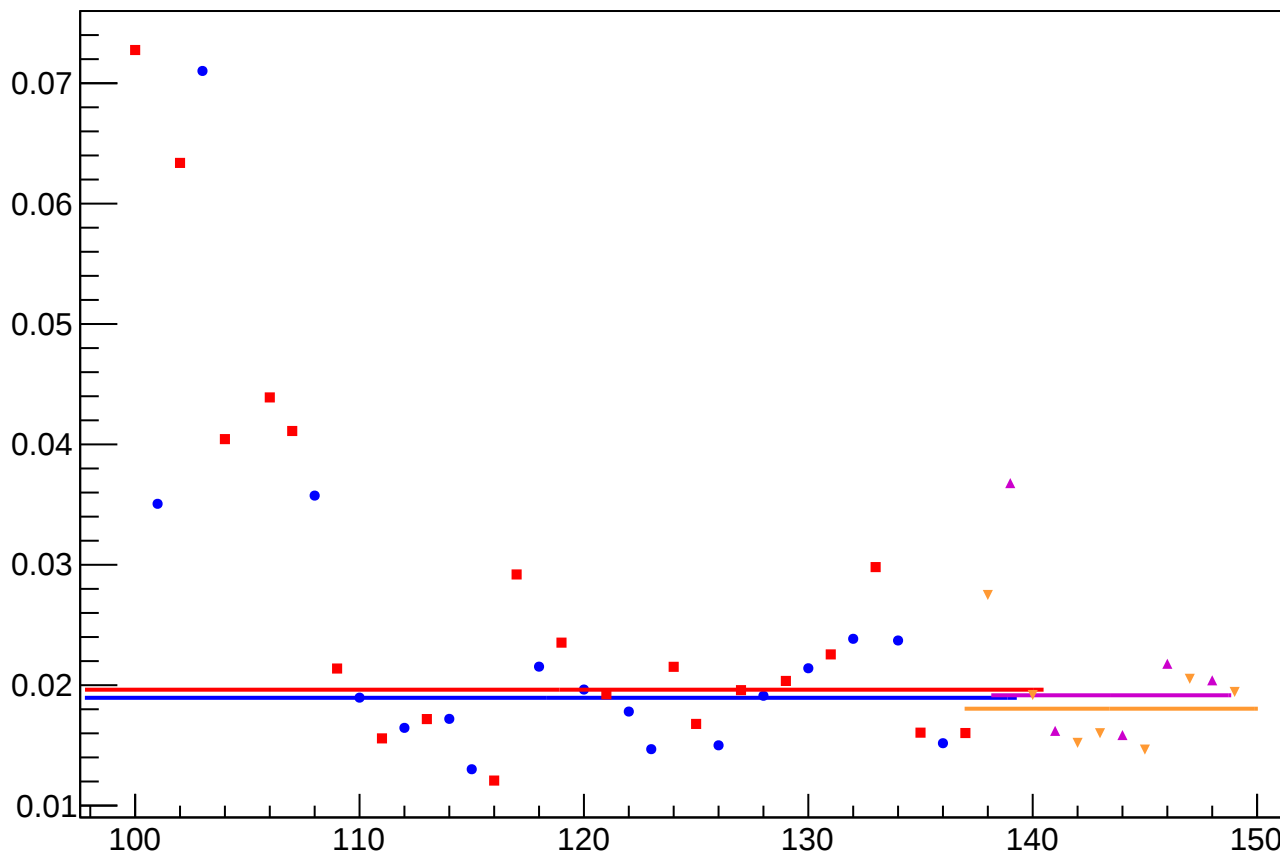
Left In: -0.130+/-0.000 χ^2/NDF : 29217585.7/4

-0.154+/-0.000 χ^2/NDF : 133579779.2/23

-0.161+/-0.000 χ^2/NDF : 268451608.9/48

-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 : 268693.3/6

Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

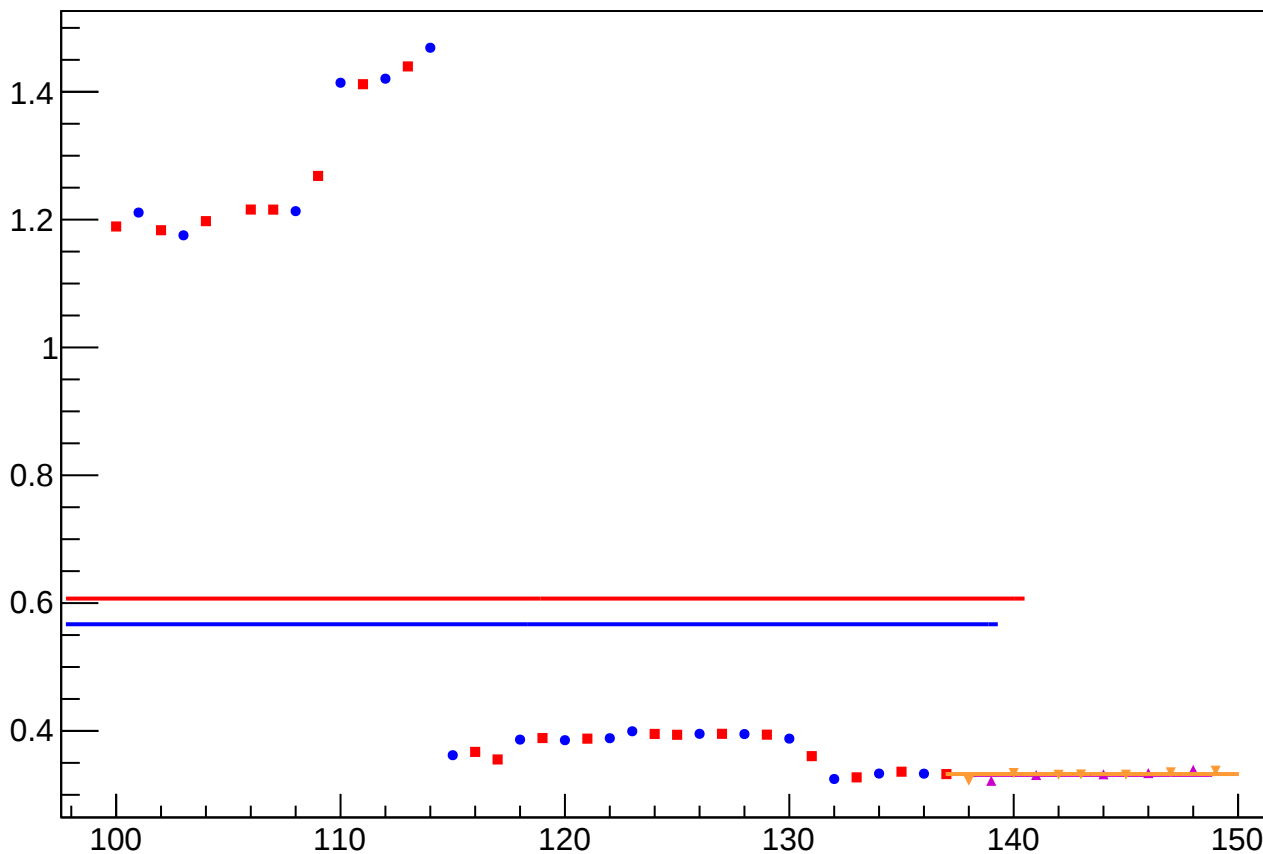
Left In: 0.019+/-0.000 χ^2/NDF : 448097.4/4

0.019+/-0.000 χ^2/NDF : 1482161.3/23

0.019+/-0.000 χ^2/NDF : 3415614.6/48

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: 0.333+/-0.000 χ^2/NDF : 678133.1/6

Right Out: 0.607+/-0.000 χ^2/NDF : 5509130775.3/19

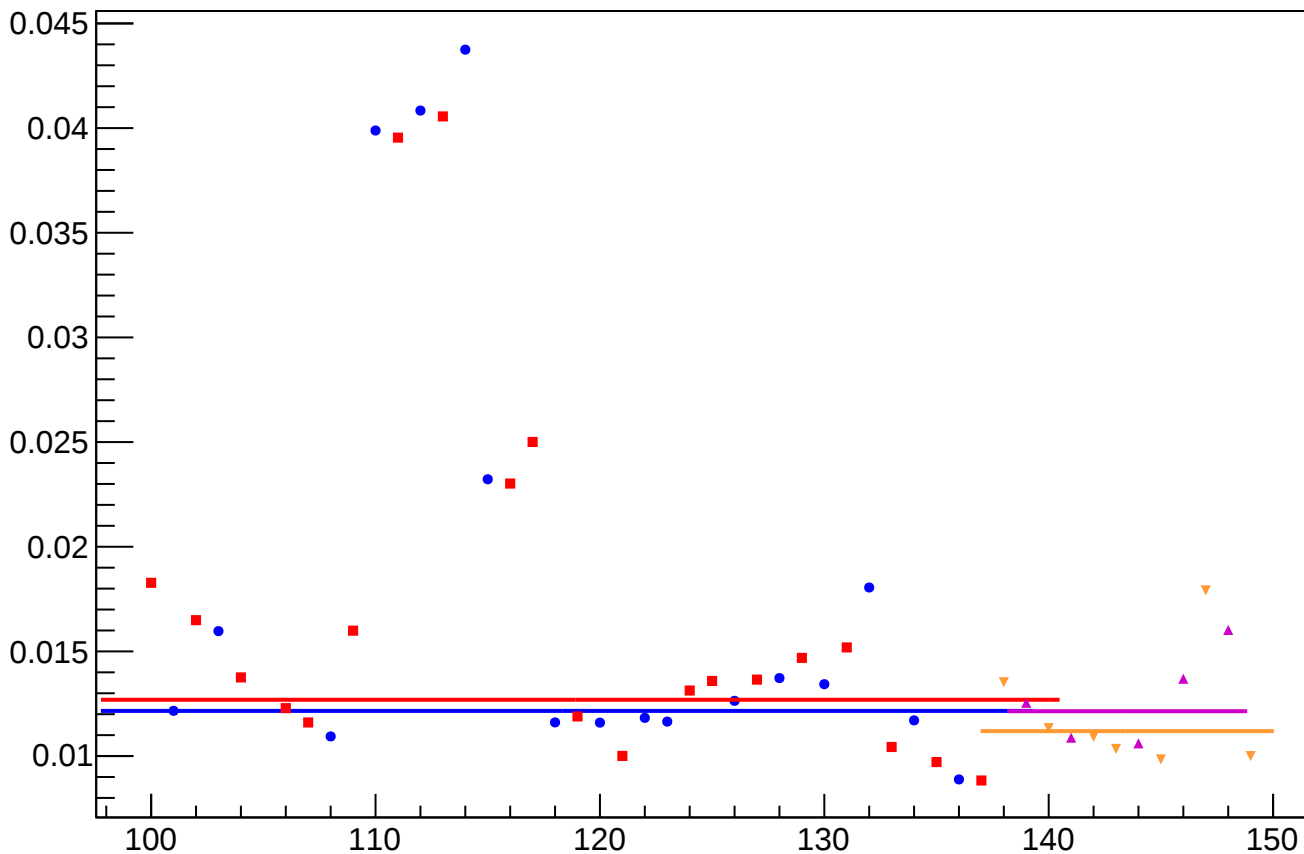
Left In: 0.331+/-0.000 χ^2/NDF : 609117.3/4

0.452+/-0.000 χ^2/NDF : 6042178737.8/23

0.471+/-0.000 χ^2/NDF : 12757813660.1/4

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: 0.011 $\pm$ 0.000 χ^2 /NDF: 312625.1/6

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

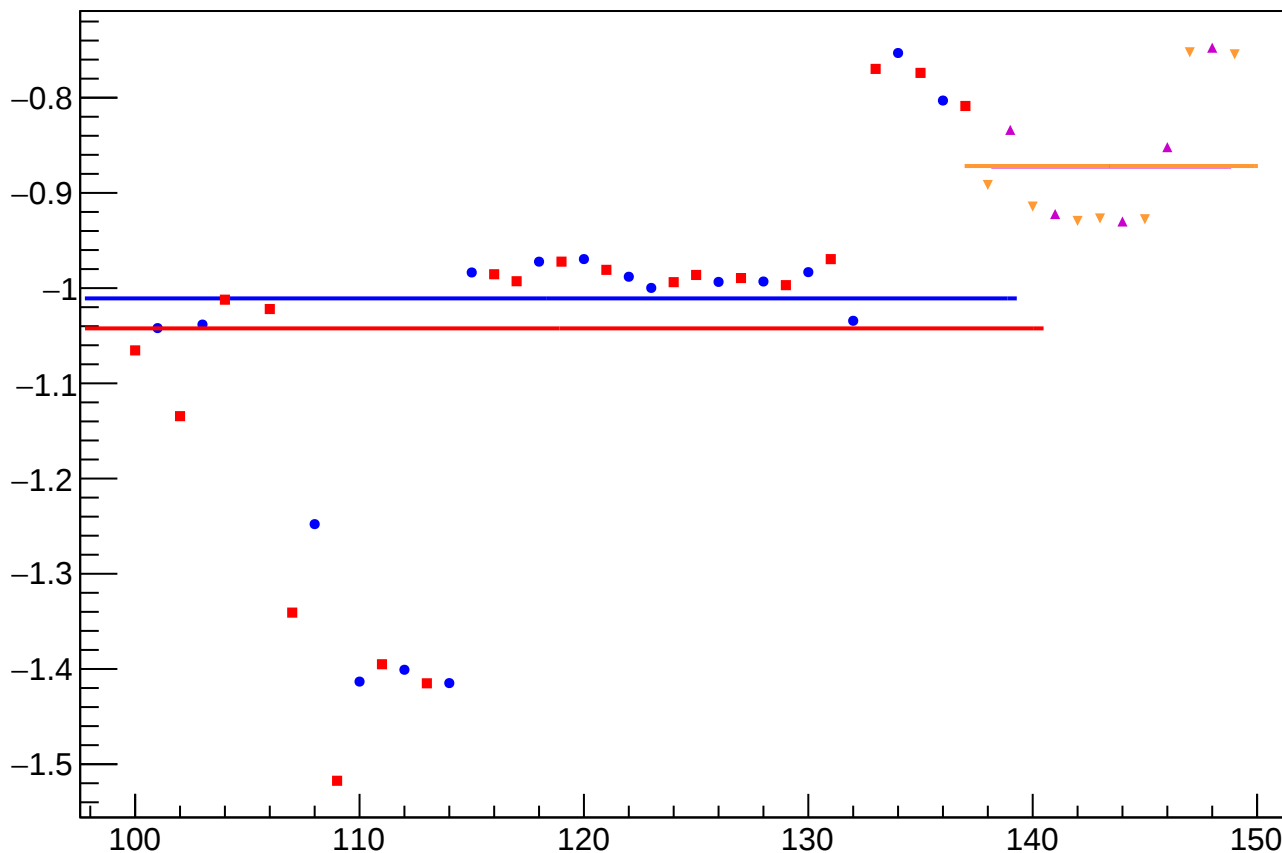
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 166363.2/4

0.012 $\pm$ 0.000 χ^2 /NDF: 1655341.7/23

0.012 $\pm$ 0.000 χ^2 /NDF: 3158270.4/48

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: -0.872+/-0.000 χ^2 /NDF: 64383089.3/6

Right Out: -1.042+/-0.000 χ^2 /NDF: 529028760.6/19

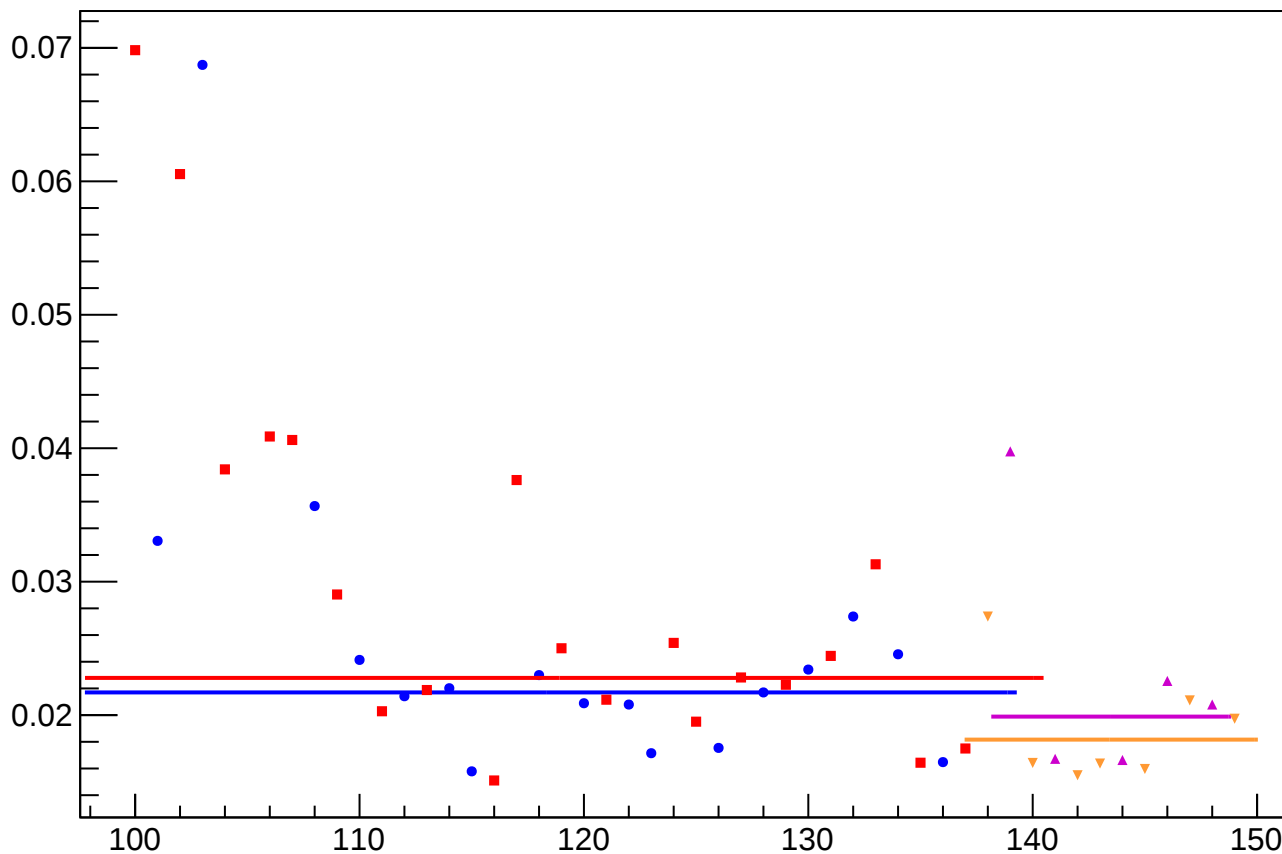
Left In: -0.872+/-0.000 χ^2 /NDF: 37538698.9/4

-0.940+/-0.000 χ^2 /NDF: 556042320.9/23

-0.954+/-0.000 χ^2 /NDF: 1257354104.6/4

-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 : 227902.5/6

Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

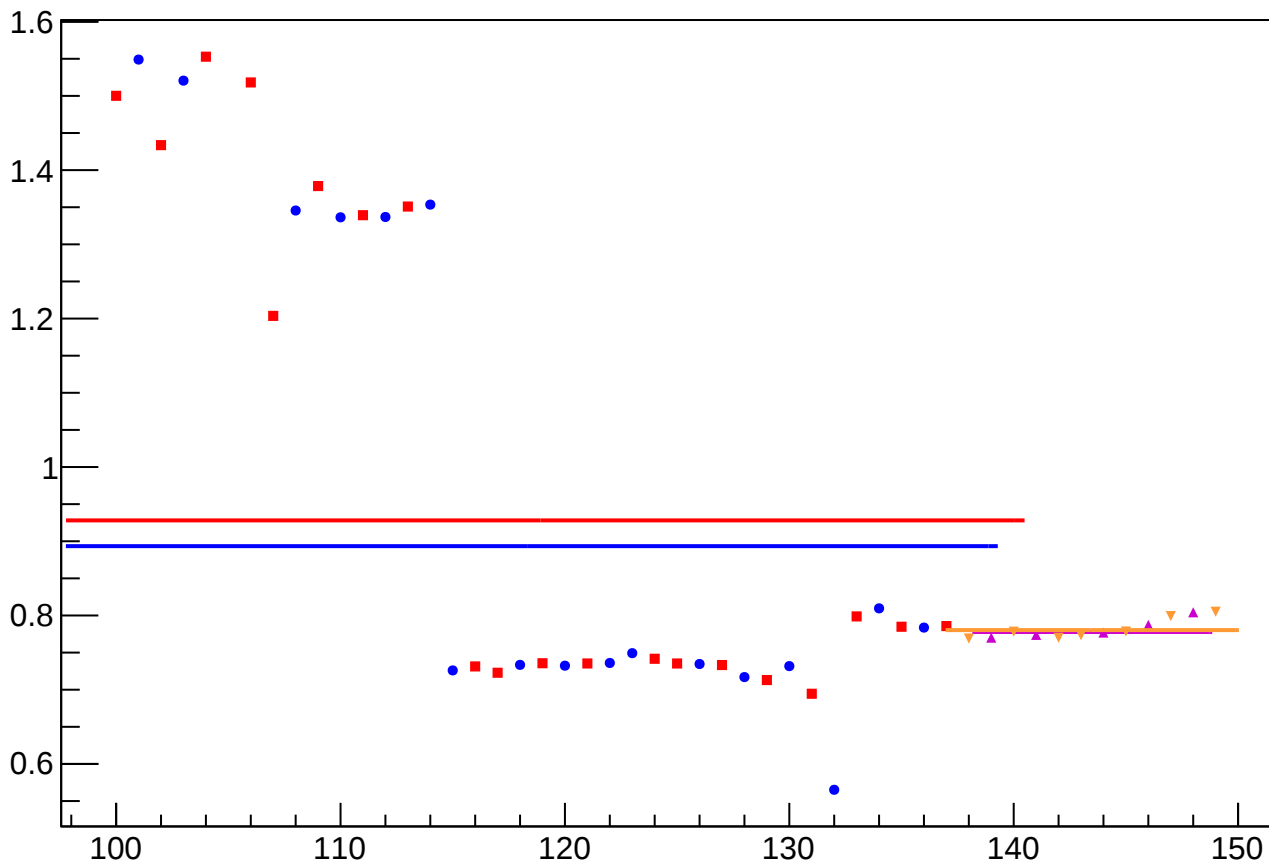
Left In: 0.020+/-0.000 χ^2/NDF : 469981.3/4

0.020+/-0.000 χ^2/NDF : 1342457.0/23

0.021+/-0.000 χ^2/NDF : 3103726.8/48

0.022+/-0.000 χ^2/NDF : 1708210.3/24

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893 $\pm$ 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.780 $\pm$ 0.000 χ^2/NDF : 4623947.6/6

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2437683008.7/19

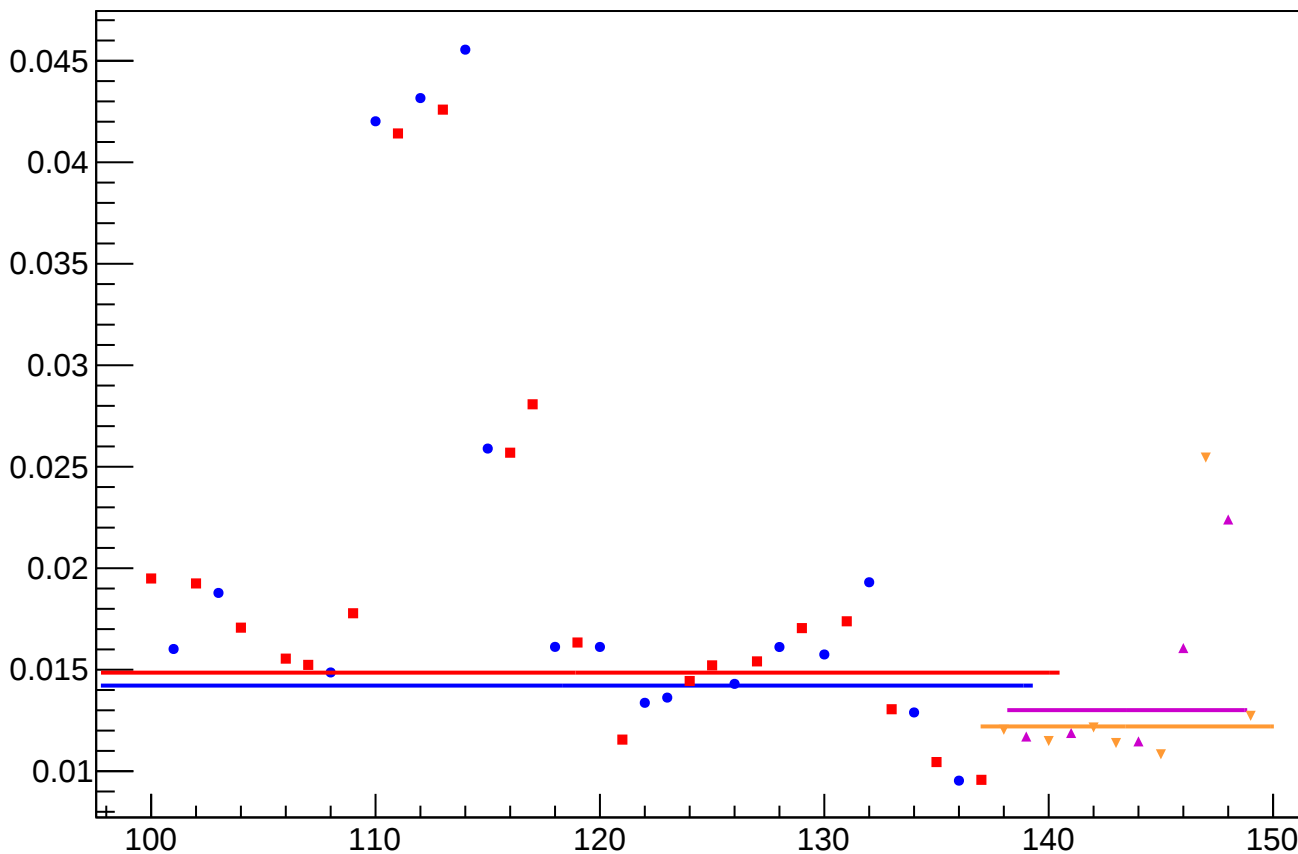
Left In: 0.778 $\pm$ 0.000 χ^2/NDF : 1714231.9/4

0.834 $\pm$ 0.000 χ^2/NDF : 2598598920.4/23

0.847 $\pm$ 0.000 χ^2/NDF : 5330673980.2/48

0.862 $\pm$ 0.000 χ^2/NDF : 2711696697.0/24

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 441253.8/6

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1286513.9/19

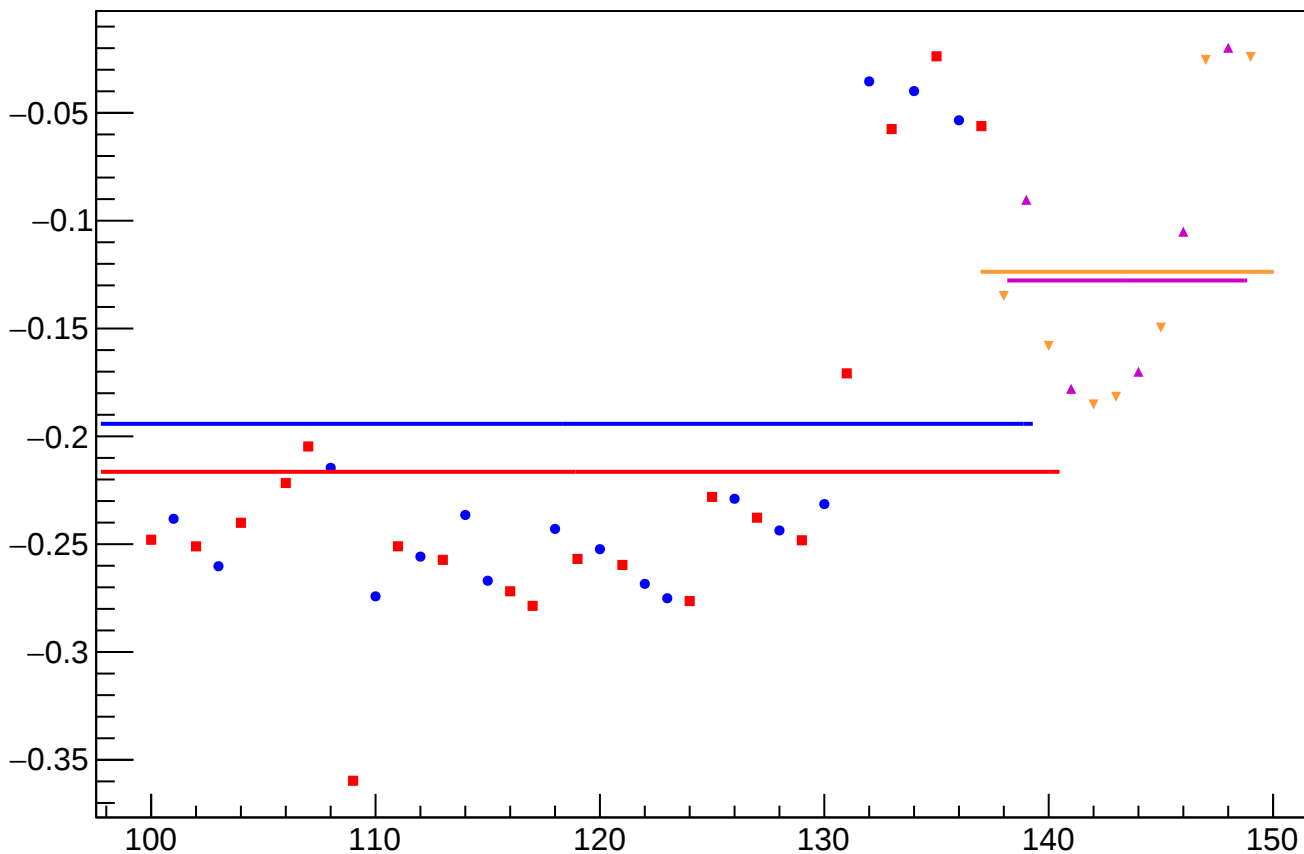
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 381651.6/4

0.013 $\pm$ 0.000 χ^2/NDF : 1968632.2/23

0.014 $\pm$ 0.000 χ^2/NDF : 3760153.9/48

0.014 $\pm$ 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: -0.124+/-0.000 χ^2/NDF : 46806846.2/6

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

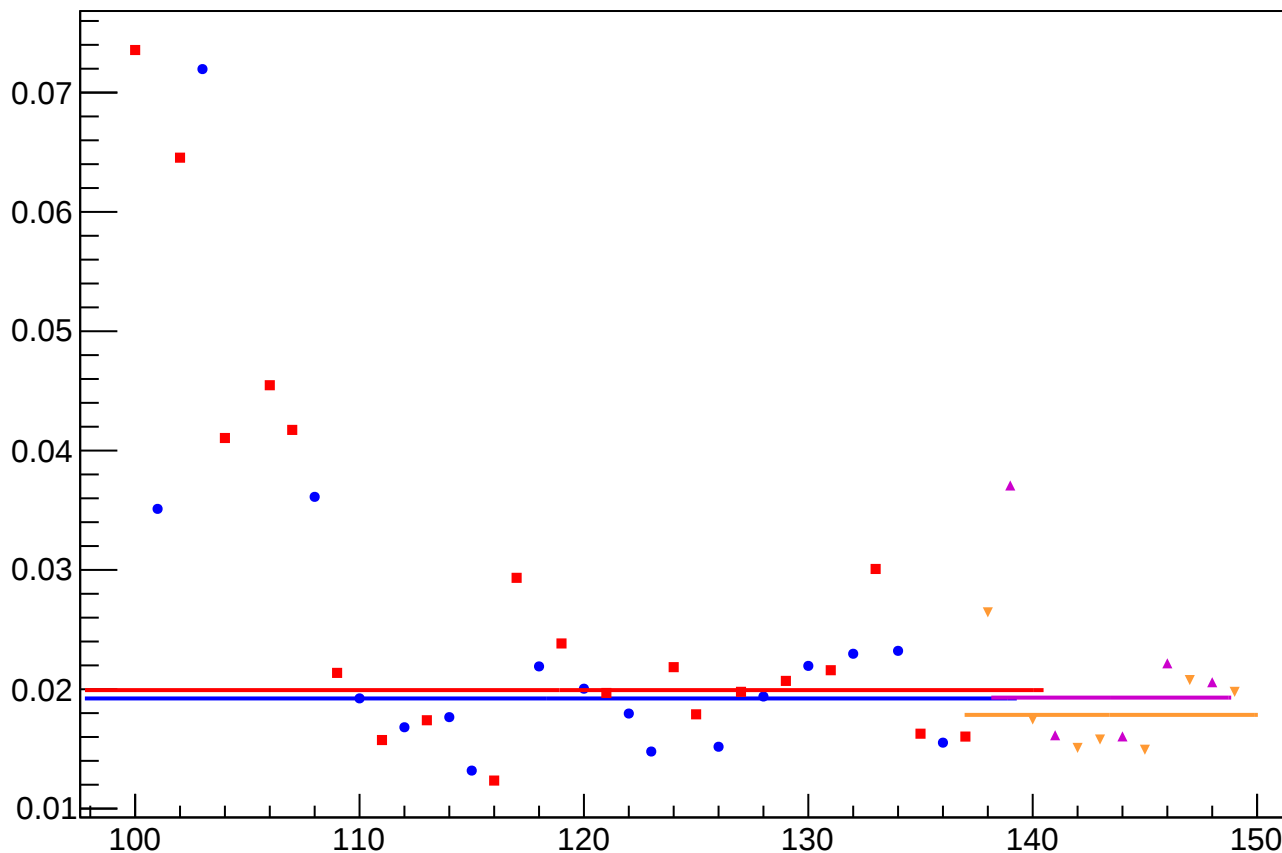
Left In: -0.128+/-0.000 χ^2/NDF : 29612334.5/4

-0.162+/-0.000 χ^2/NDF : 185918256.9/23

-0.171+/-0.000 χ^2/NDF : 371173012.5/48

-0.183+/-0.000 χ^2/NDF : 180287318.3/24

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.018+/-0.000 χ^2/NDF : 243215.7/6

Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

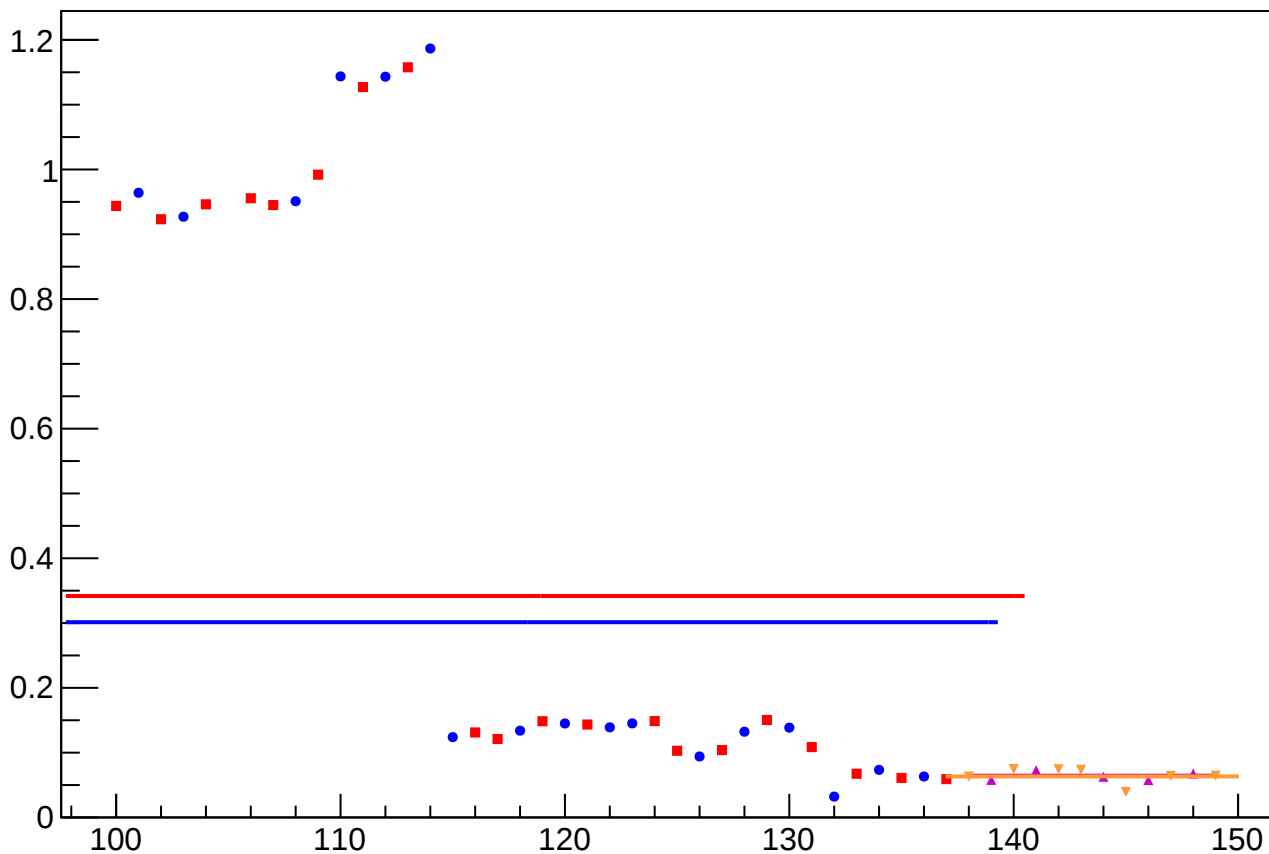
Left In: 0.019+/-0.000 χ^2/NDF : 454341.3/4

0.019+/-0.000 χ^2/NDF : 1441191.3/23

0.019+/-0.000 χ^2/NDF : 3379597.8/48

0.020+/-0.000 χ^2/NDF : 1911035.0/24

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301 $\pm$ 0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.063 $\pm$ 0.000 χ^2/NDF : 6313994.3/6

Right Out: 0.342 $\pm$ 0.000 χ^2/NDF : 5445885893.4/19

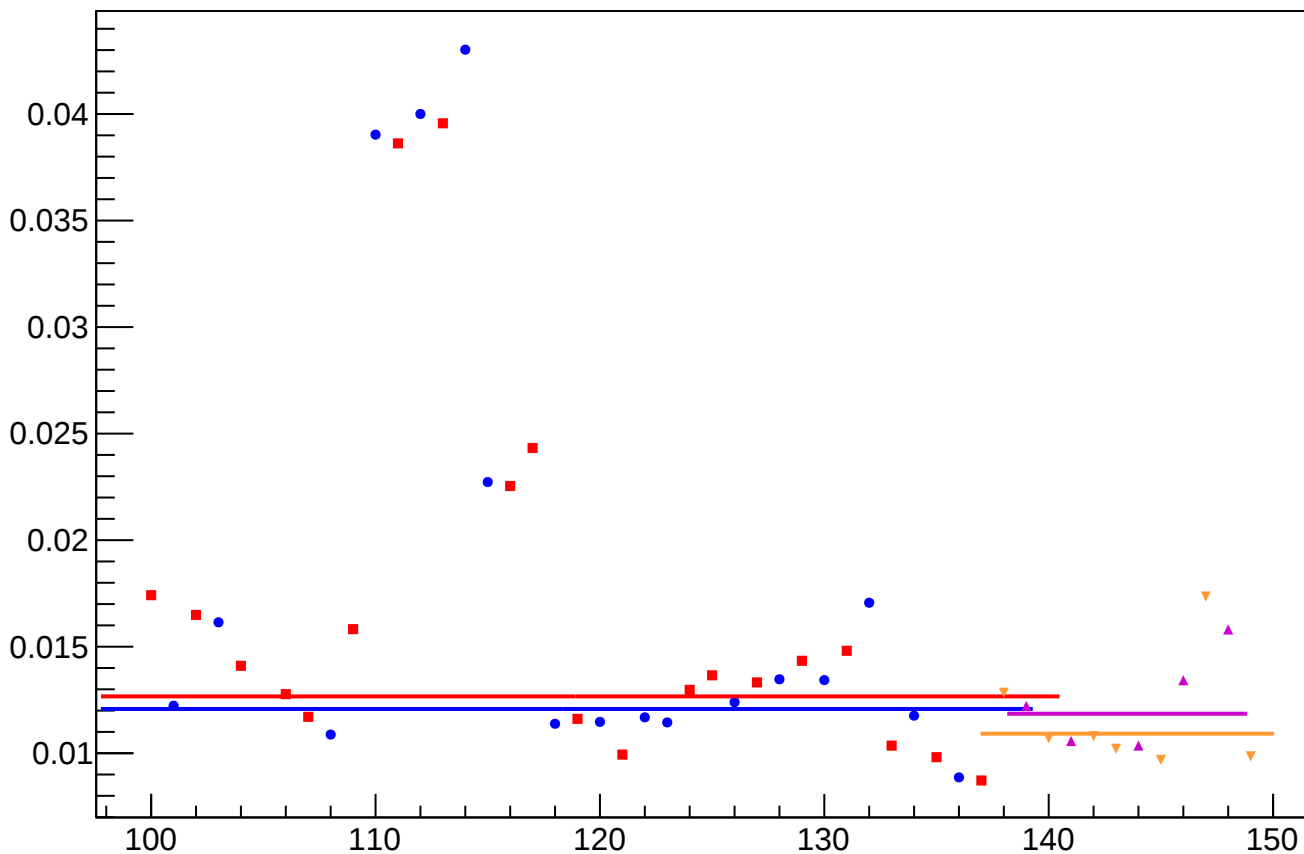
Left In: 0.064 $\pm$ 0.000 χ^2/NDF : 952602.1/4

0.182 $\pm$ 0.000 χ^2/NDF : 6253114037.3/23

0.202 $\pm$ 0.000 χ^2/NDF : 12956219752.7/4

0.225 $\pm$ 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: 286568.8/6

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

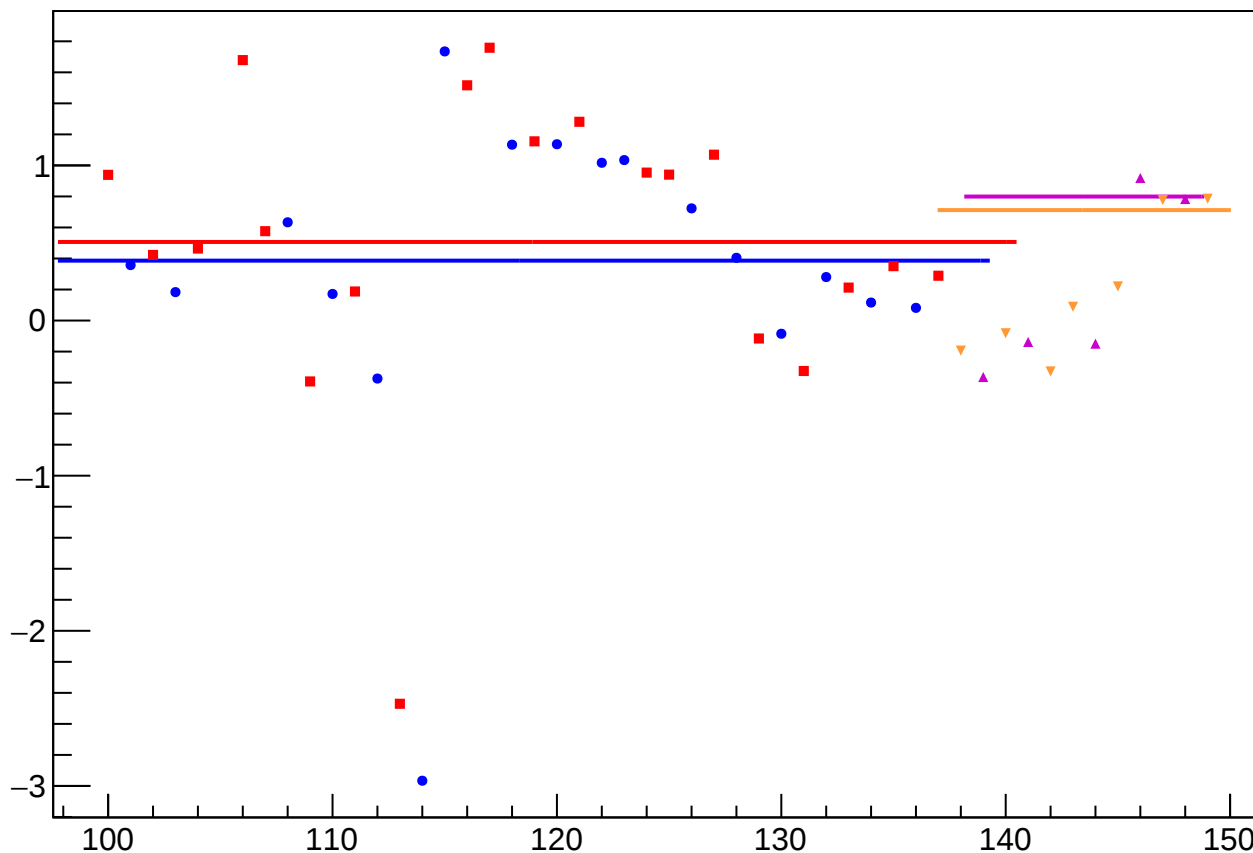
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 175339.2/4

0.011 $\pm$ 0.000 χ^2 /NDF: 1618812.4/23

0.012 $\pm$ 0.000 χ^2 /NDF: 3116477.9/48

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: 0.712 $\pm$ 0.000 χ^2/NDF : 302622215.9/6

Right Out: 0.507 $\pm$ 0.000 χ^2/NDF : 995373603.6/19

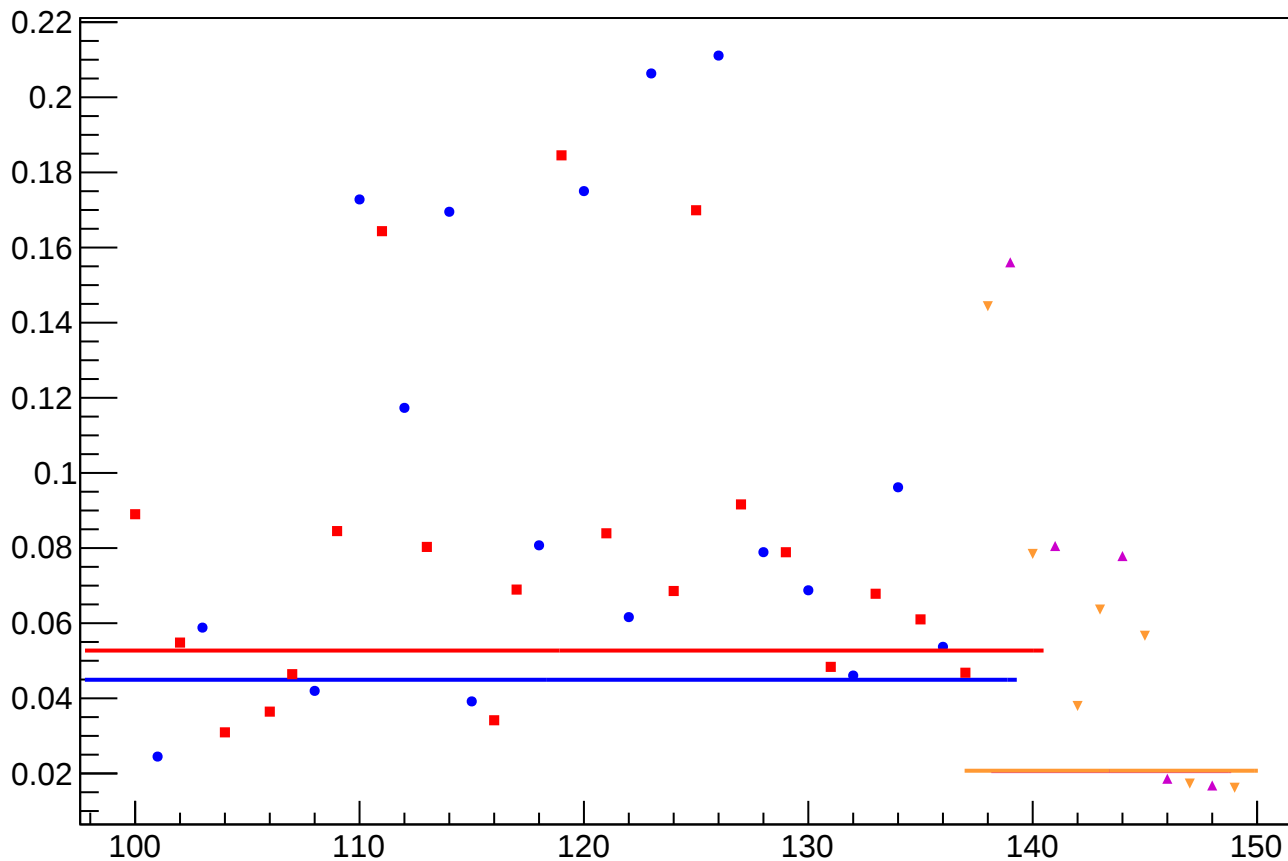
Left In: 0.799 $\pm$ 0.000 χ^2/NDF : 205652230.7/4

0.633 $\pm$ 0.000 χ^2/NDF : 689705857.8/23

0.675 $\pm$ 0.000 χ^2/NDF : 2014266616.4/48

0.726 $\pm$ 0.000 χ^2/NDF : 1296866313.0/24

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.021 $\pm$ 0.000 χ^2/NDF : 2471379.2/6

Right Out: 0.053 $\pm$ 0.000 χ^2/NDF : 2195781.8/19

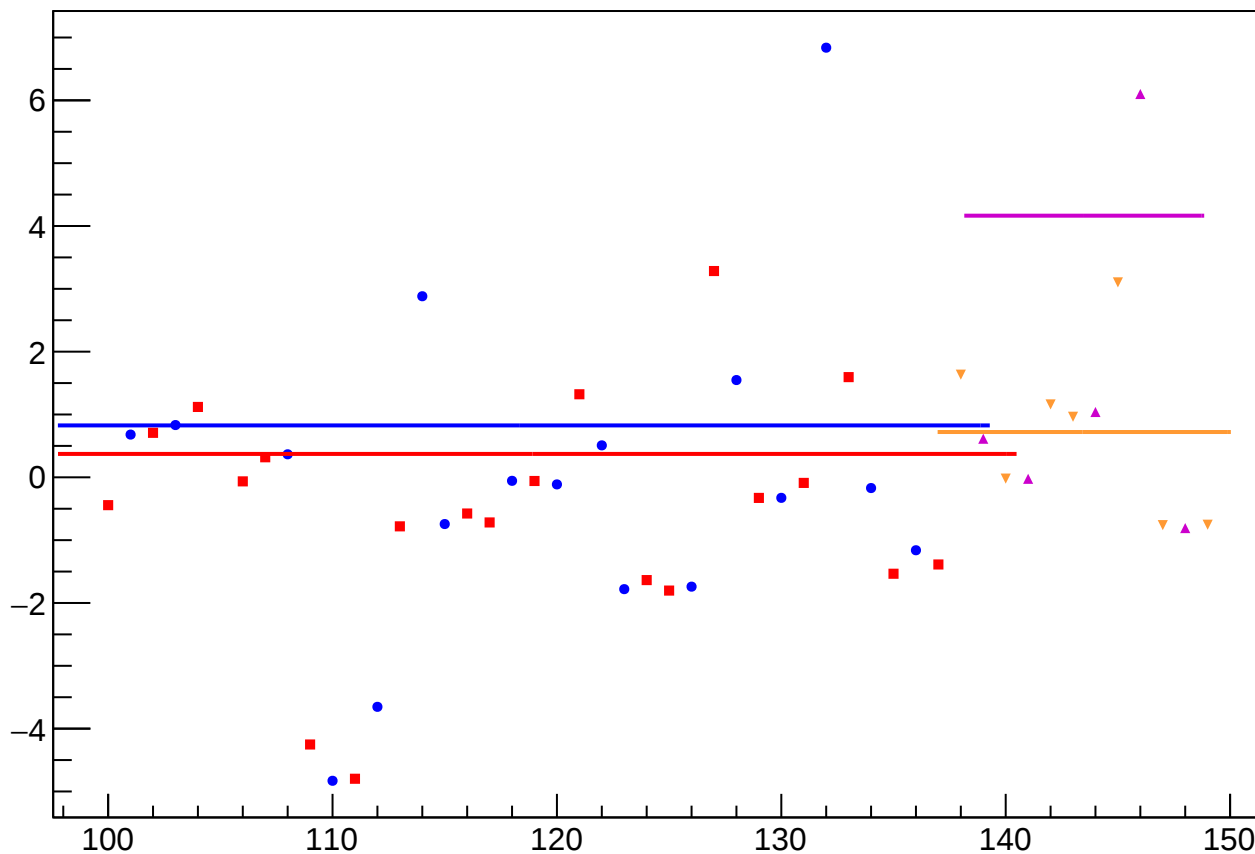
Left In: 0.021 $\pm$ 0.000 χ^2/NDF : 2146284.4/4

0.027 $\pm$ 0.000 χ^2/NDF : 6815234.0/23

0.028 $\pm$ 0.000 χ^2/NDF : 13492404.9/48

0.029 $\pm$ 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: 0.721 ± 0.000 χ^2/NDF : 25386831042.6/6

Right Out: 0.372 ± 0.000 χ^2/NDF : 4960201861.0/19

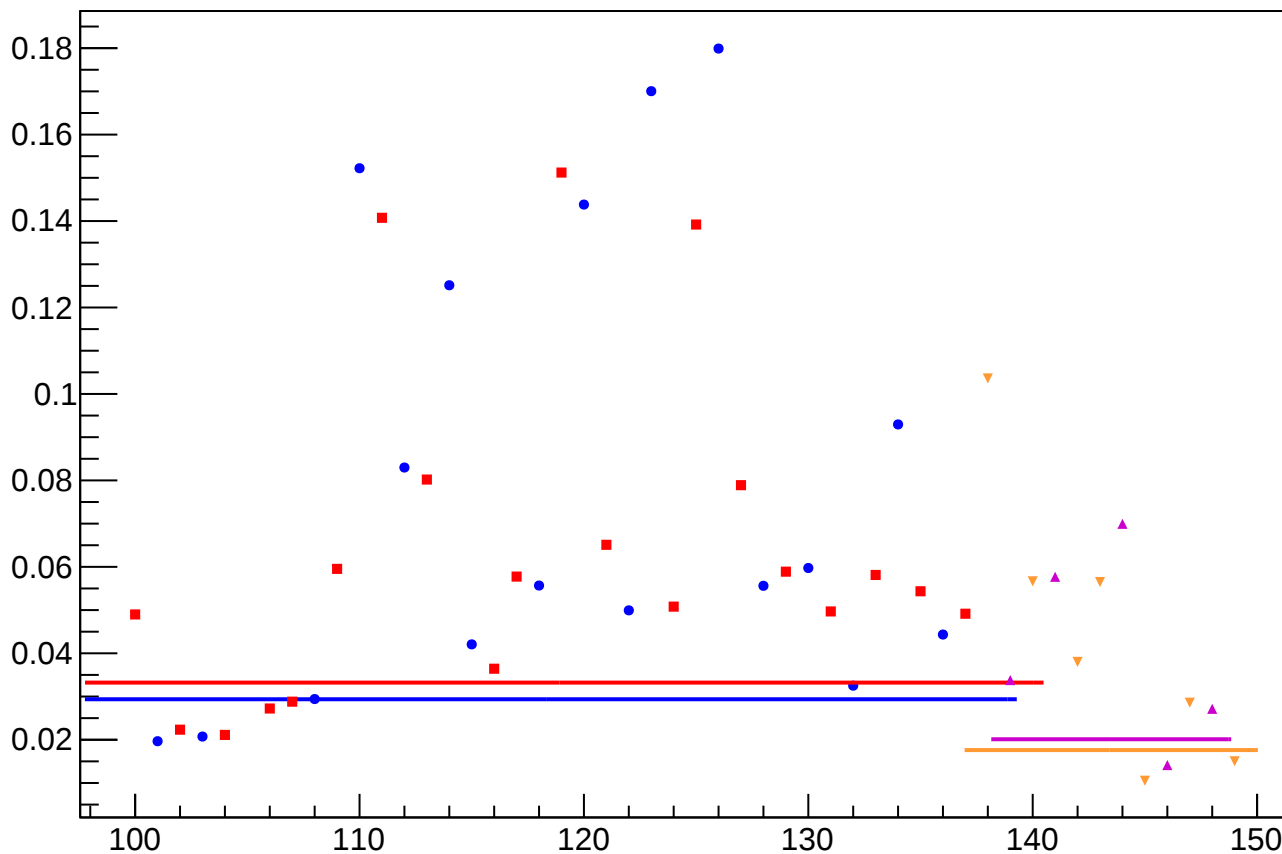
Left In: 4.164 ± 0.000 χ^2/NDF : 44224955479.1/4

0.757 ± 0.000 χ^2/NDF : 36360919958.0/23

1.528 ± 0.000 χ^2/NDF : 131314857570.9/1

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: 0.018 $\pm$ 0.000 χ^2/NDF :2330990.5/6

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3112299.1/19

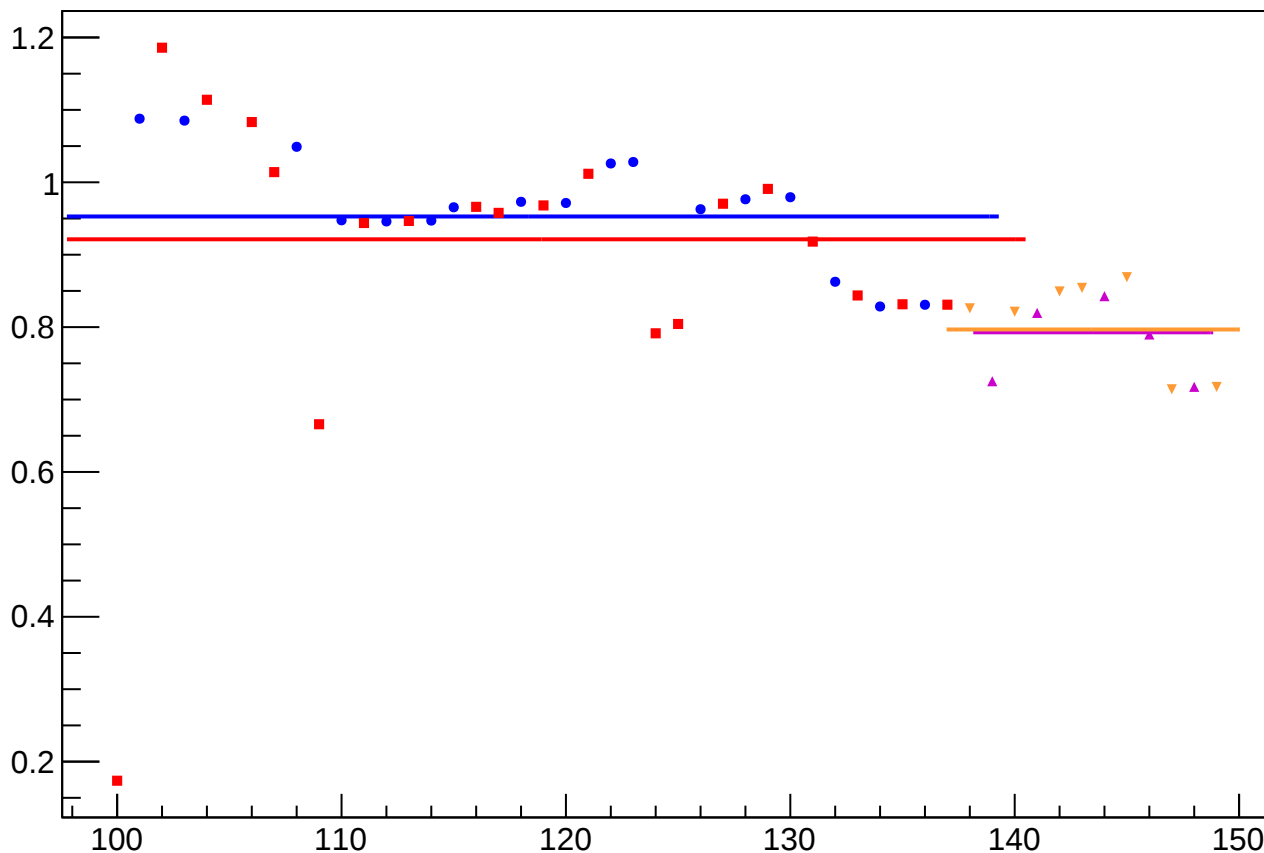
Left In: 0.020 $\pm$ 0.000 χ^2/NDF :1373781.6/4

0.022 $\pm$ 0.000 χ^2/NDF : 6035877.8/23

0.023 $\pm$ 0.000 χ^2/NDF : 11378137.5/48

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: 0.797 $\pm$ 0.000 χ^2/NDF : 117234131.6/6

Right Out: 0.921 $\pm$ 0.000 χ^2/NDF : 374306248.8/19

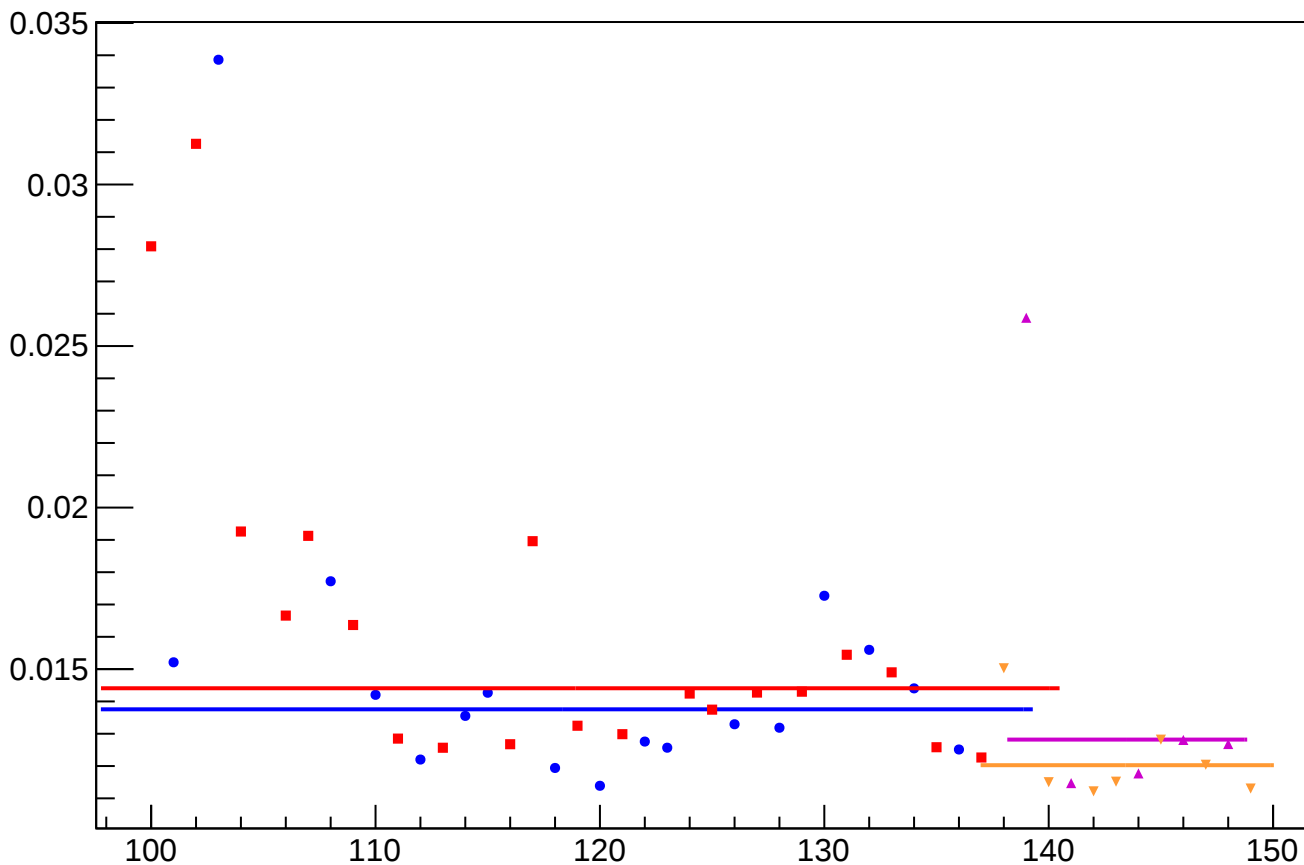
Left In: 0.793 $\pm$ 0.000 χ^2/NDF : 47578951.7/4

0.877 $\pm$ 0.000 χ^2/NDF : 653509694.4/23

0.873 $\pm$ 0.000 χ^2/NDF : 1278541062.1/48

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 : 66361.7/6

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 508622.9/19

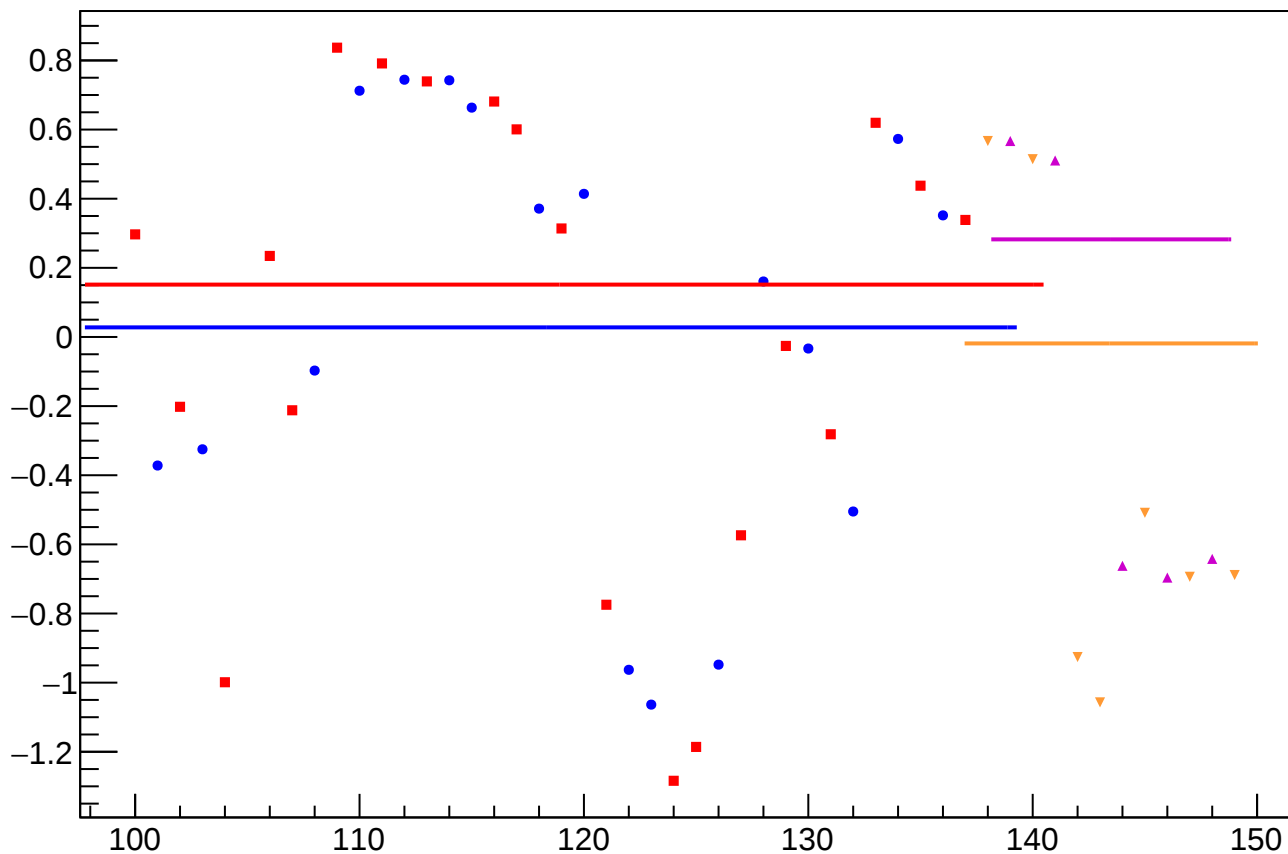
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 387953.3/4

0.013 $\pm$ 0.000 χ^2/NDF : 693406.4/23

0.013 $\pm$ 0.000 χ^2/NDF : 1689560.5/48

0.014 $\pm$ 0.000 χ^2/NDF : 958137.7/24

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: -0.019+/-0.000 χ^2/NDF : 16504402315.7/6

Right Out: 0.152+/-0.000 χ^2/NDF : 12665480117.0/19

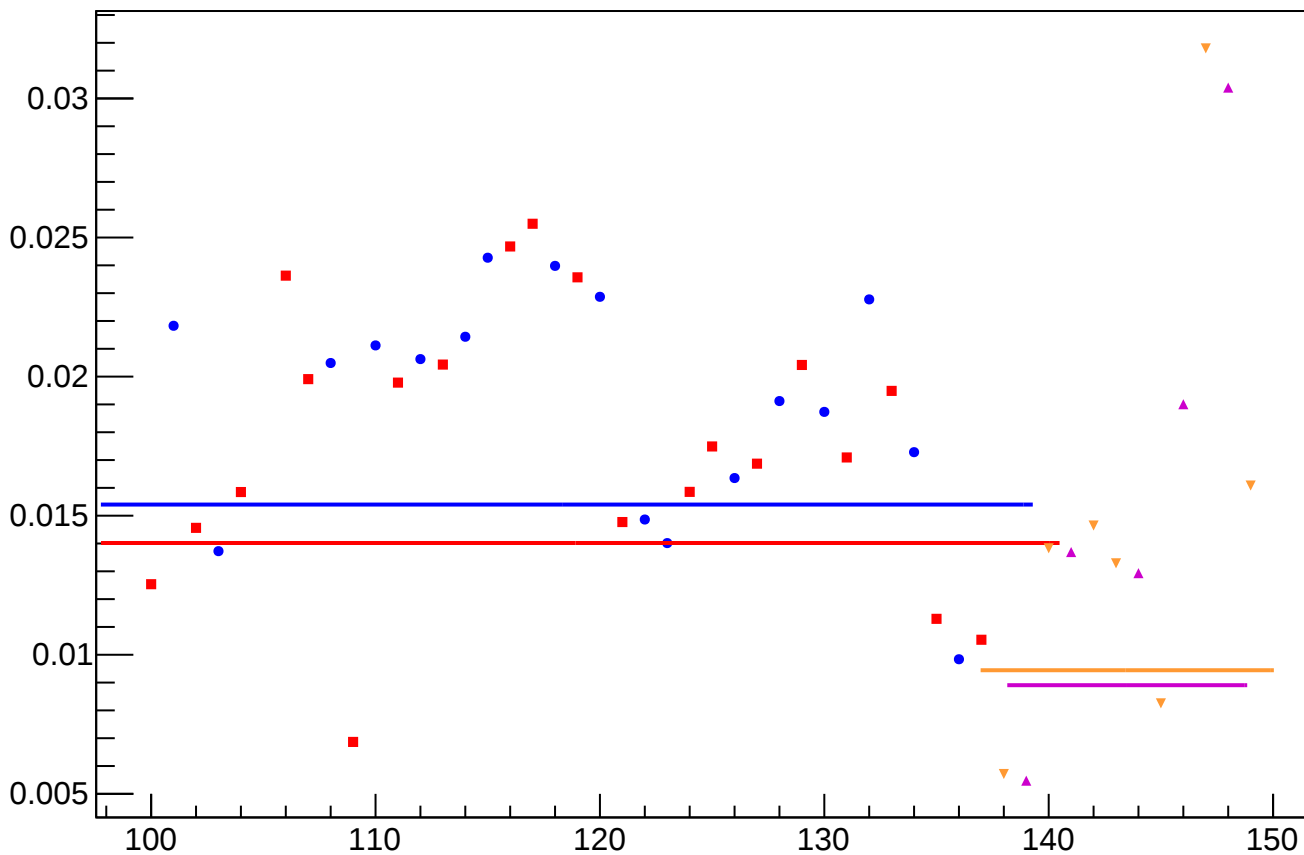
Left In: 0.282+/-0.000 χ^2/NDF : 9055840978.6/4

-0.001+/-0.000 χ^2/NDF : 22813452946.9/23

0.110+/-0.000 χ^2/NDF : 46400589857.5/4

0.223+/-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 : 1895576.1/6

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1576882.7/19

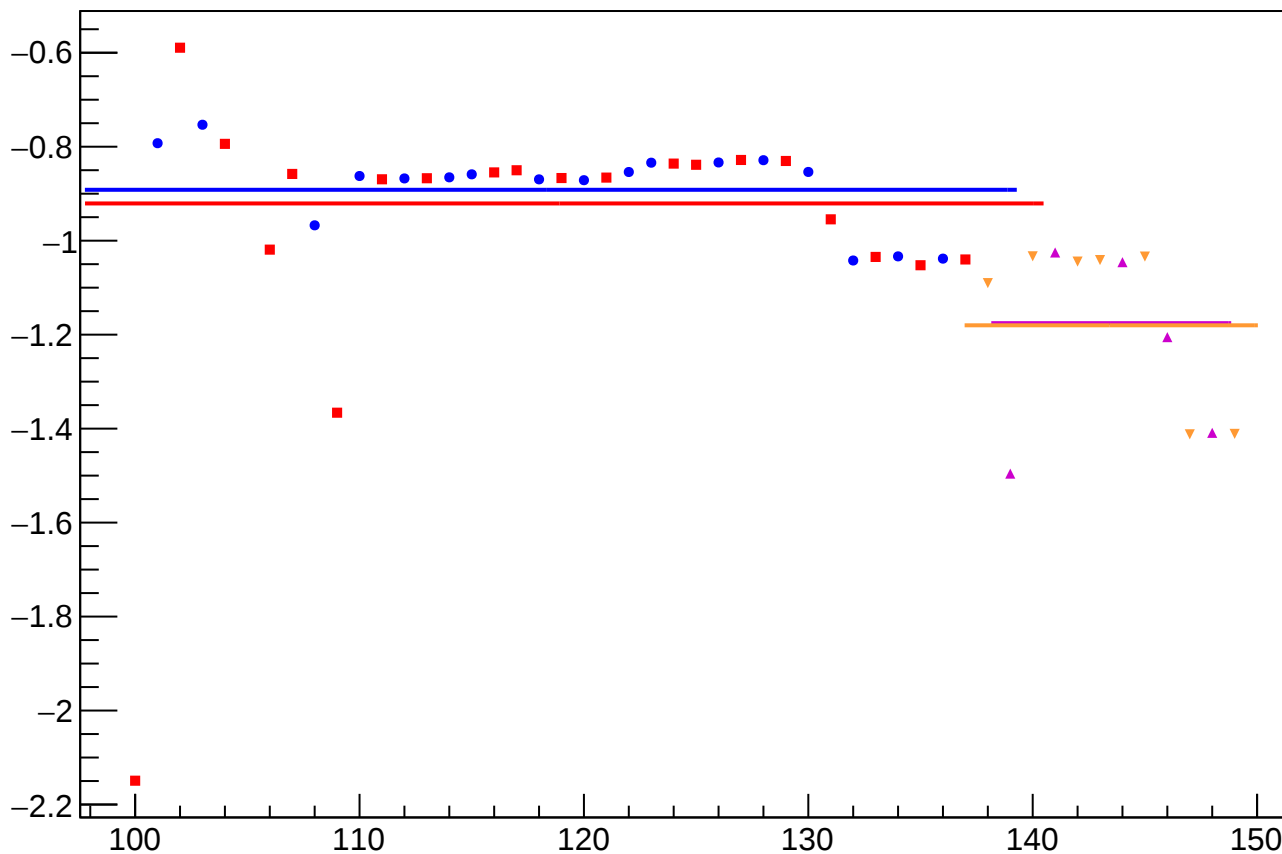
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 2043491.4/4

0.012 $\pm$ 0.000 χ^2/NDF : 4092277.2/23

0.011 $\pm$ 0.000 χ^2/NDF : 8541338.3/48

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: -1.180+/-0.000 χ^2/NDF : 140062267.8/6

Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

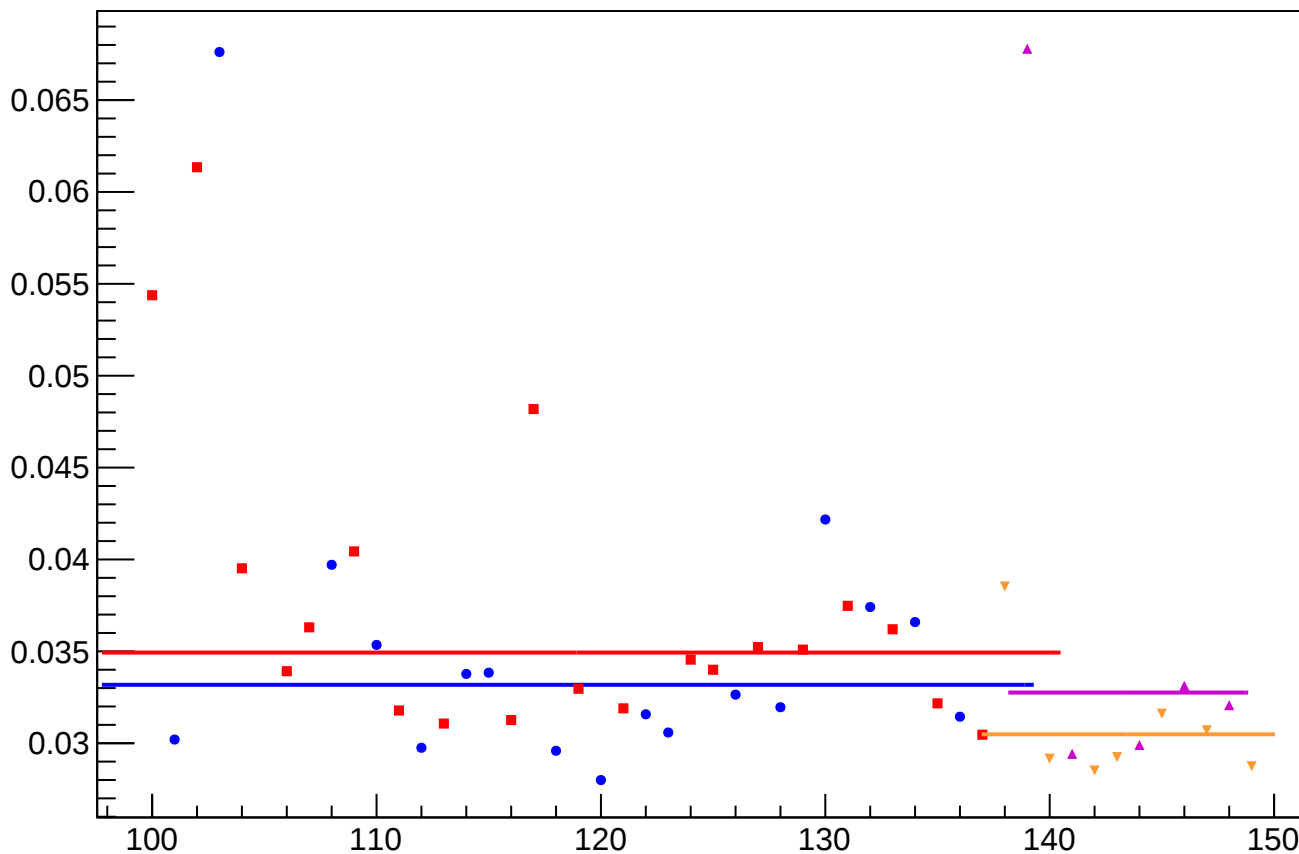
Left In: -1.176+/-0.000 χ^2/NDF : 86603970.8/4

-1.024+/-0.000 χ^2/NDF : 380646183.6/23

-1.021+/-0.000 χ^2/NDF : 725249159.4/48

-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: 0.030+/-0.000 χ^2/NDF : 66811.9/6

Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

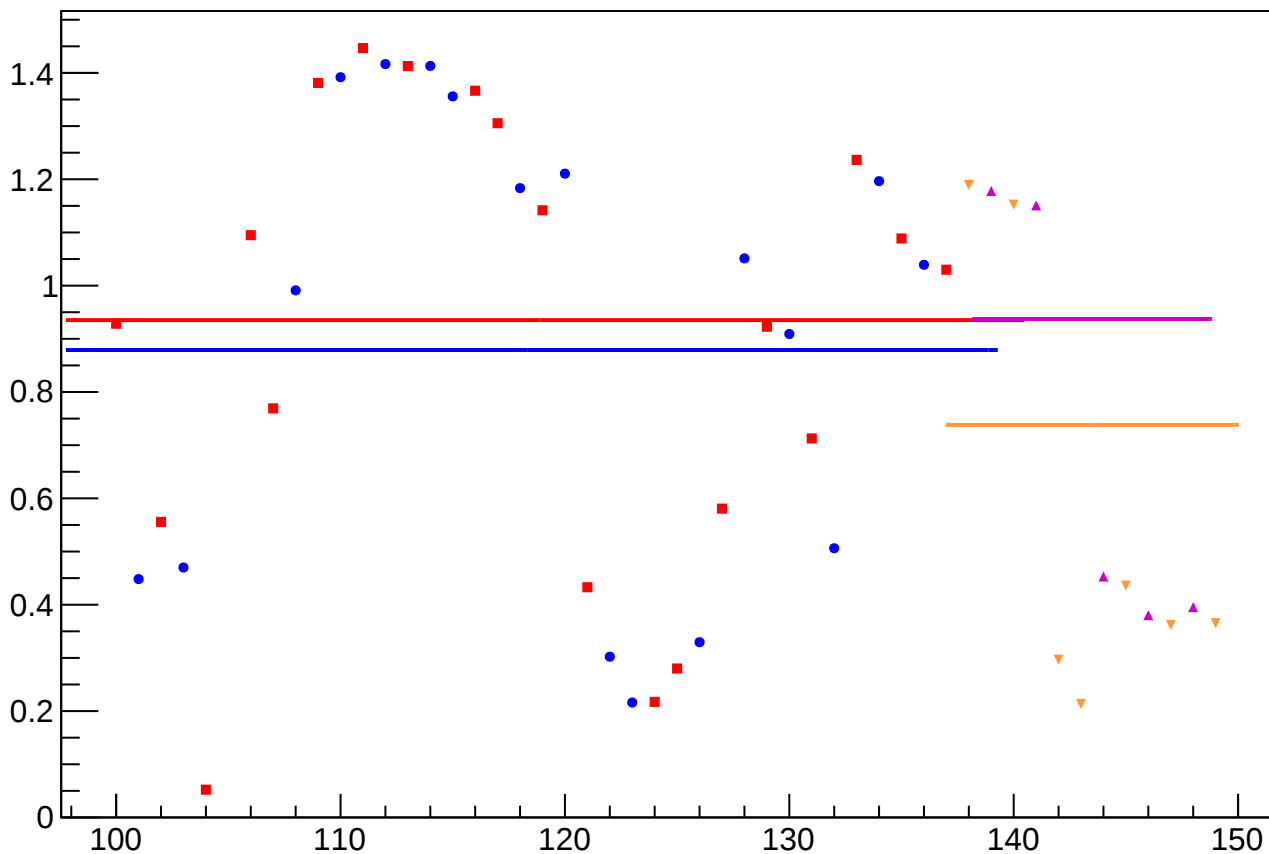
Left In: 0.033+/-0.000 χ^2/NDF : 406118.0/4

0.032+/-0.000 χ^2/NDF : 501964.6/23

0.033+/-0.000 χ^2/NDF : 1249016.4/48

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: 0.738 $\pm$ 0.000 χ^2/NDF : 11903714947.3/6

Right Out: 0.935 $\pm$ 0.000 χ^2/NDF : 9844960466.1/19

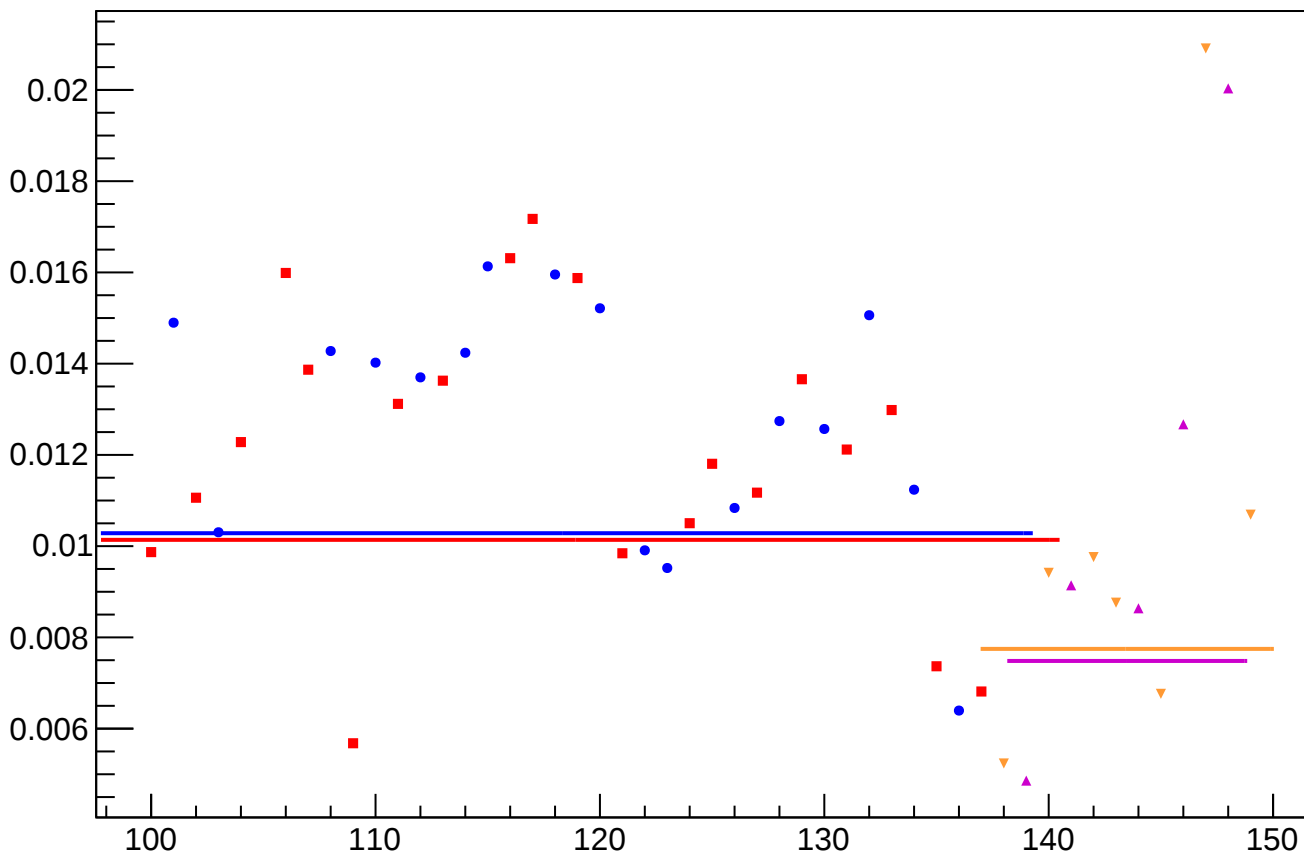
Left In: 0.937 $\pm$ 0.000 χ^2/NDF : 6646911245.1/4

0.799 $\pm$ 0.000 χ^2/NDF : 18864061936.1/23

0.865 $\pm$ 0.000 χ^2/NDF : 36448312813.6/4

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: 0.008 $\pm$ 0.000 χ^2 /NDF:1144587.6/6

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1189529.0/19

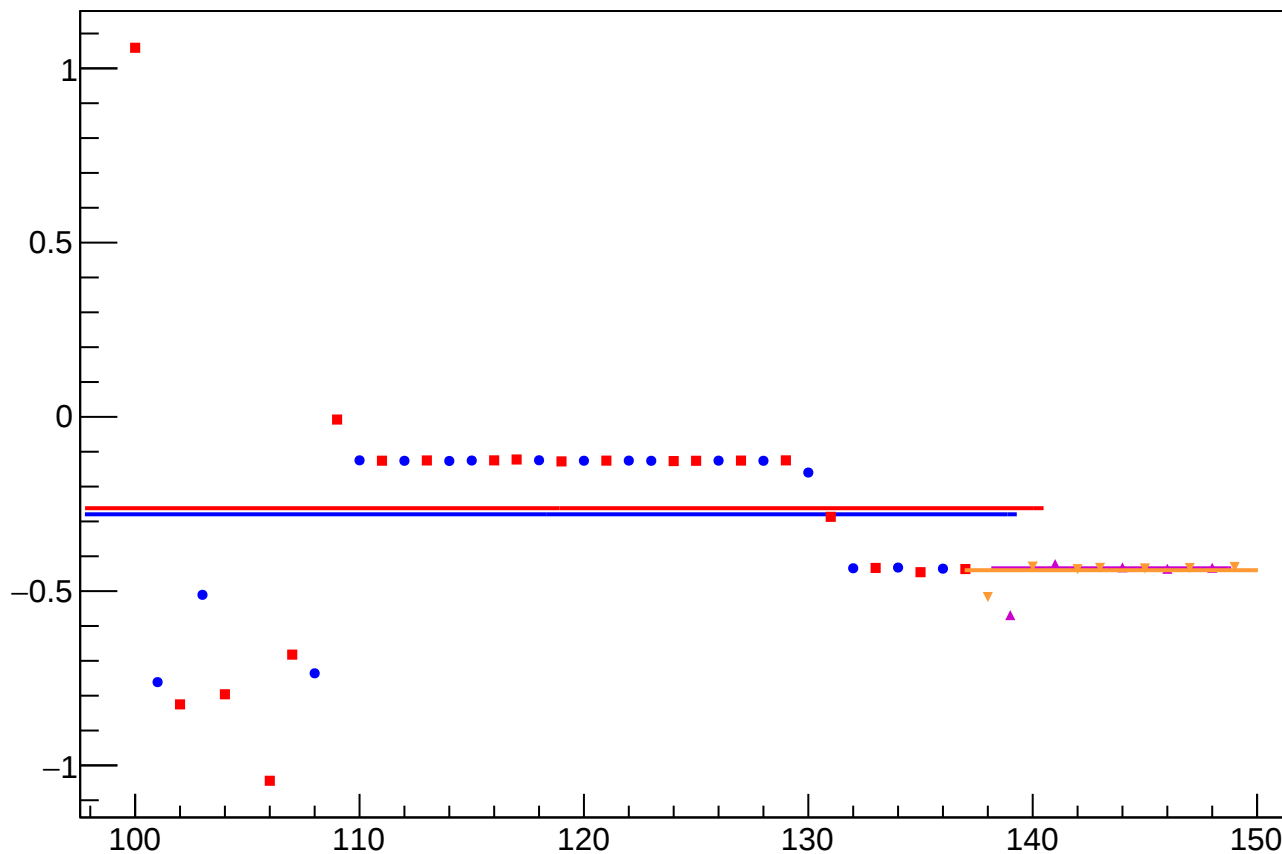
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1312395.5/4

0.009 $\pm$ 0.000 χ^2 /NDF: 2733927.7/23

0.009 $\pm$ 0.000 χ^2 /NDF: 5632704.1/48

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: -0.440 +/- 0.000 χ^2/NDF : 23687055.2/6

Right Out: -0.262 +/- 0.000 χ^2/NDF : 1007161741.8/19

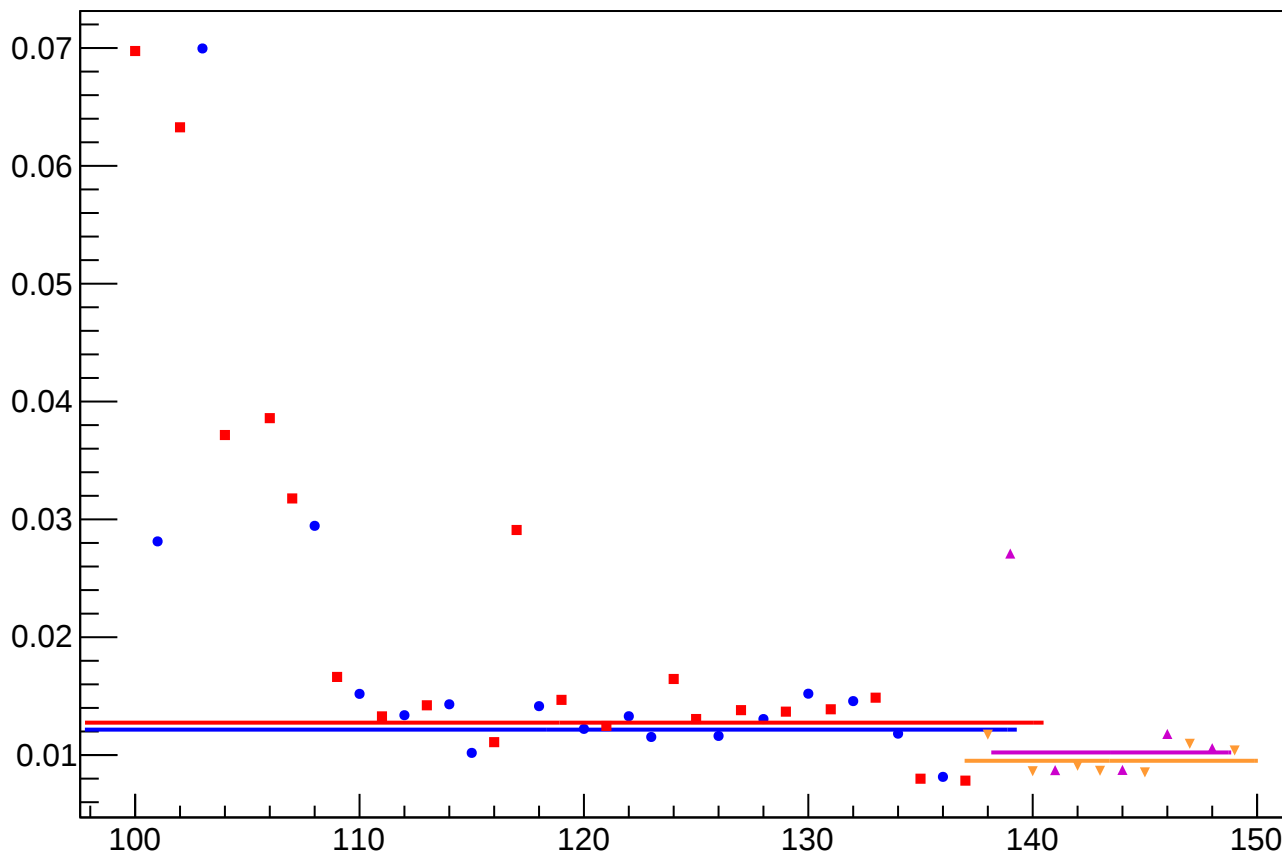
Left In: -0.434 +/- 0.000 χ^2/NDF : 18741519.8/4

-0.371 +/- 0.000 χ^2/NDF : 1417210152.3/23

-0.361 +/- 0.000 χ^2/NDF : 2899740454.5/40

-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: 0.010 ± 0.000 χ^2/NDF : 107723.5/6

Right Out: 0.013 ± 0.000 χ^2/NDF : 1991972.4/19

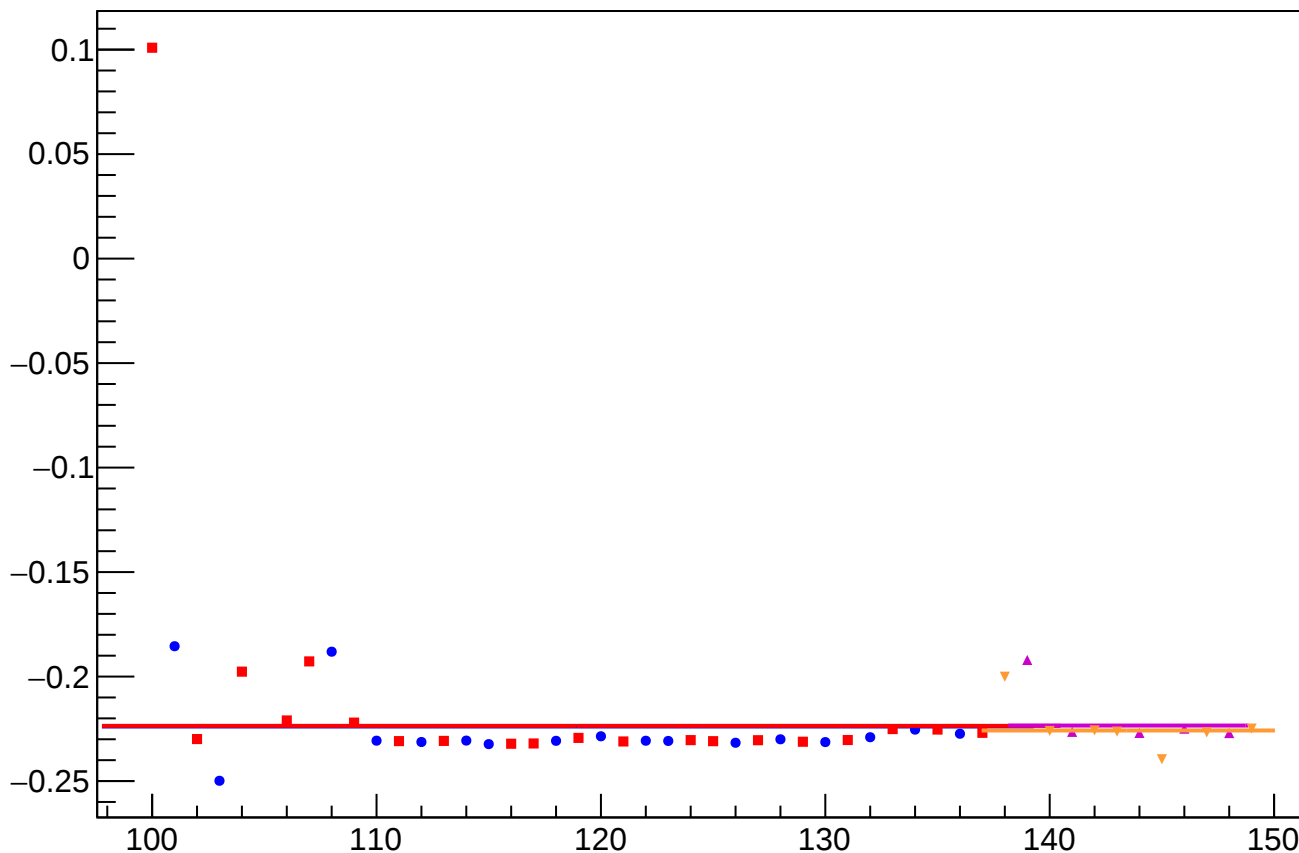
Left In: 0.010 ± 0.000 χ^2/NDF : 651430.5/4

0.011 ± 0.000 χ^2/NDF : 2082645.0/23

0.011 ± 0.000 χ^2/NDF : 4962805.5/48

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 : 20512481.1/6

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

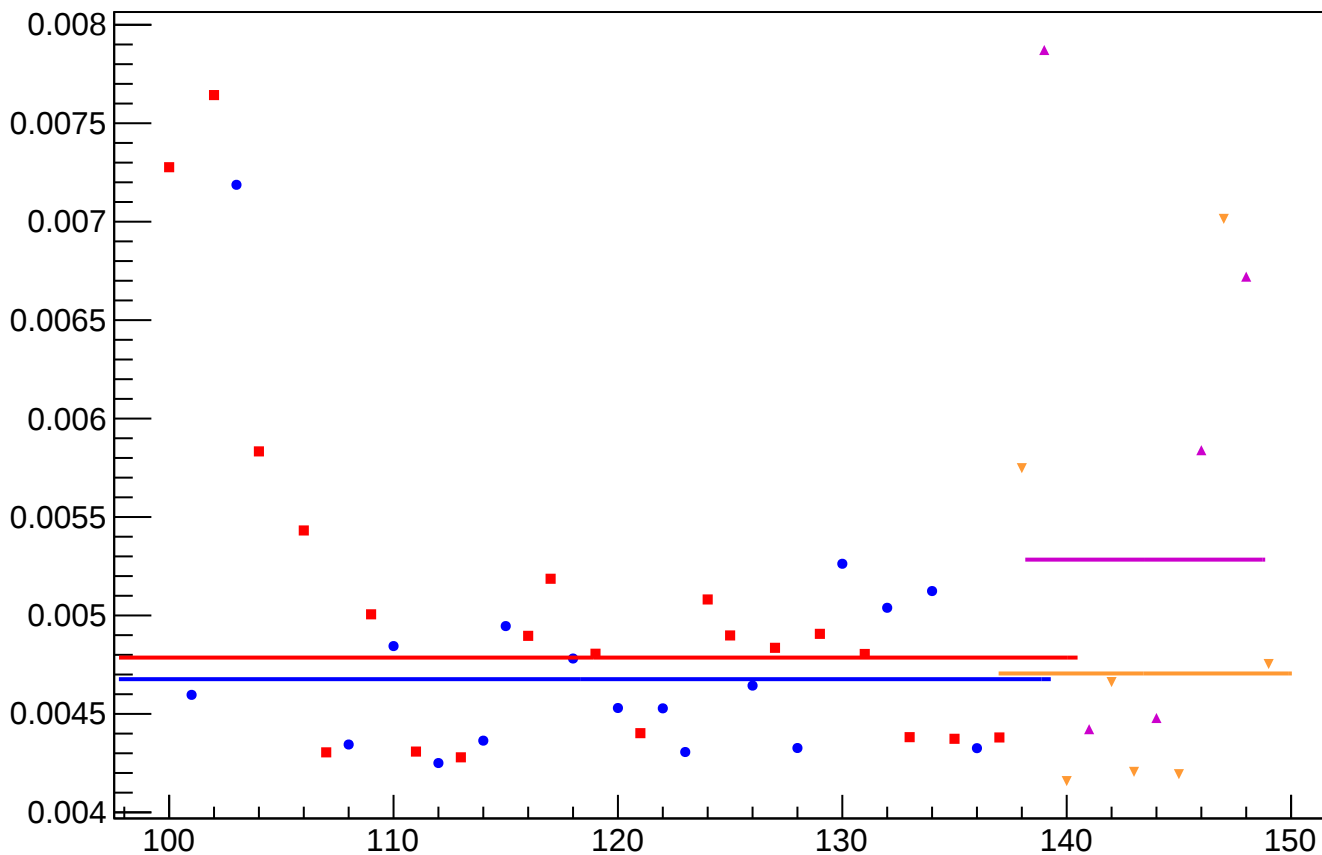
Left In: -0.223+/-0.000 χ^2/NDF : 12031507.9/4

-0.225+/-0.000 χ^2/NDF : 95537765.3/23

-0.224+/-0.000 χ^2/NDF : 276091630.5/48

-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 : 271602.9/6

Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

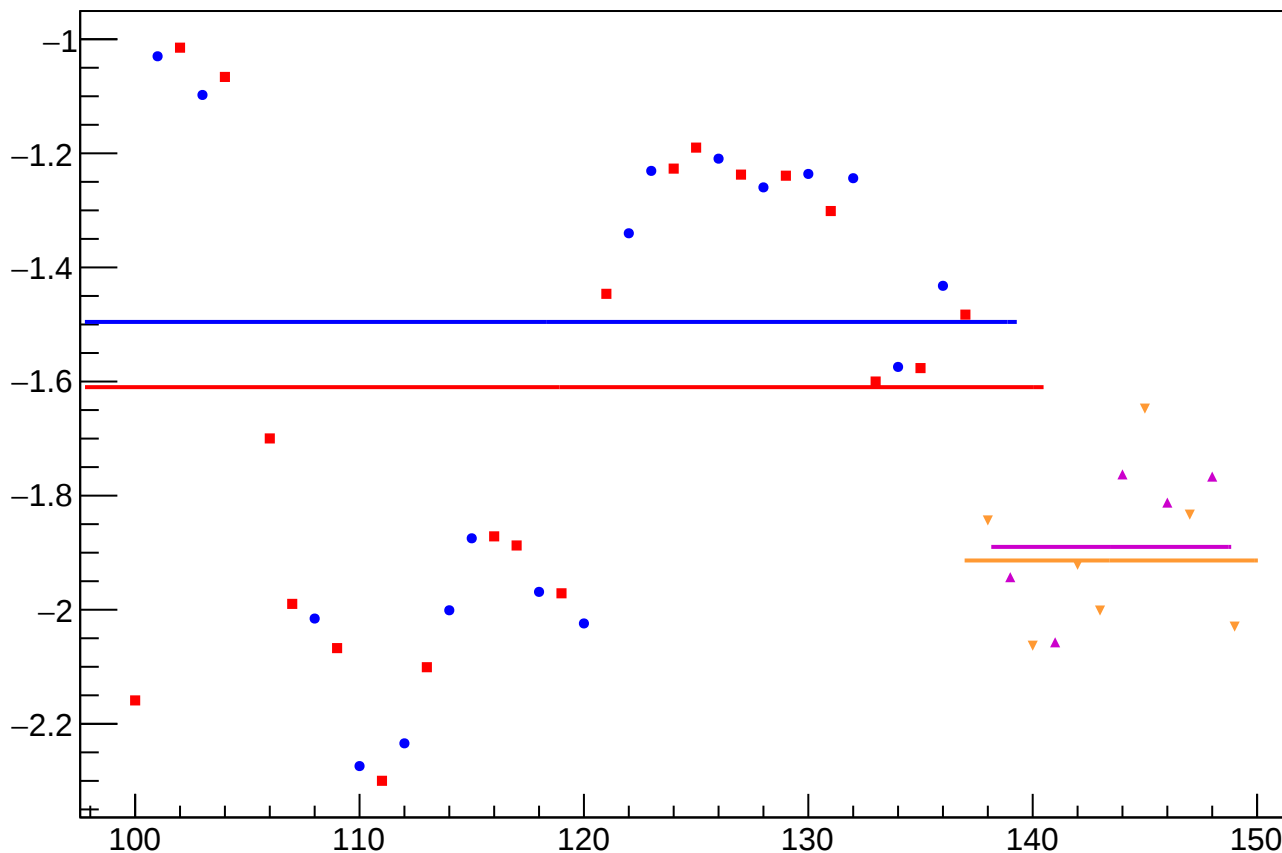
Left In: 0.005+/-0.000 χ^2/NDF : 340266.8/4

0.005+/-0.000 χ^2/NDF : 452576.8/23

0.005+/-0.000 χ^2/NDF : 1112961.1/48

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: -1.914+/-0.000 χ^2/NDF : 2661346323.0/6

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

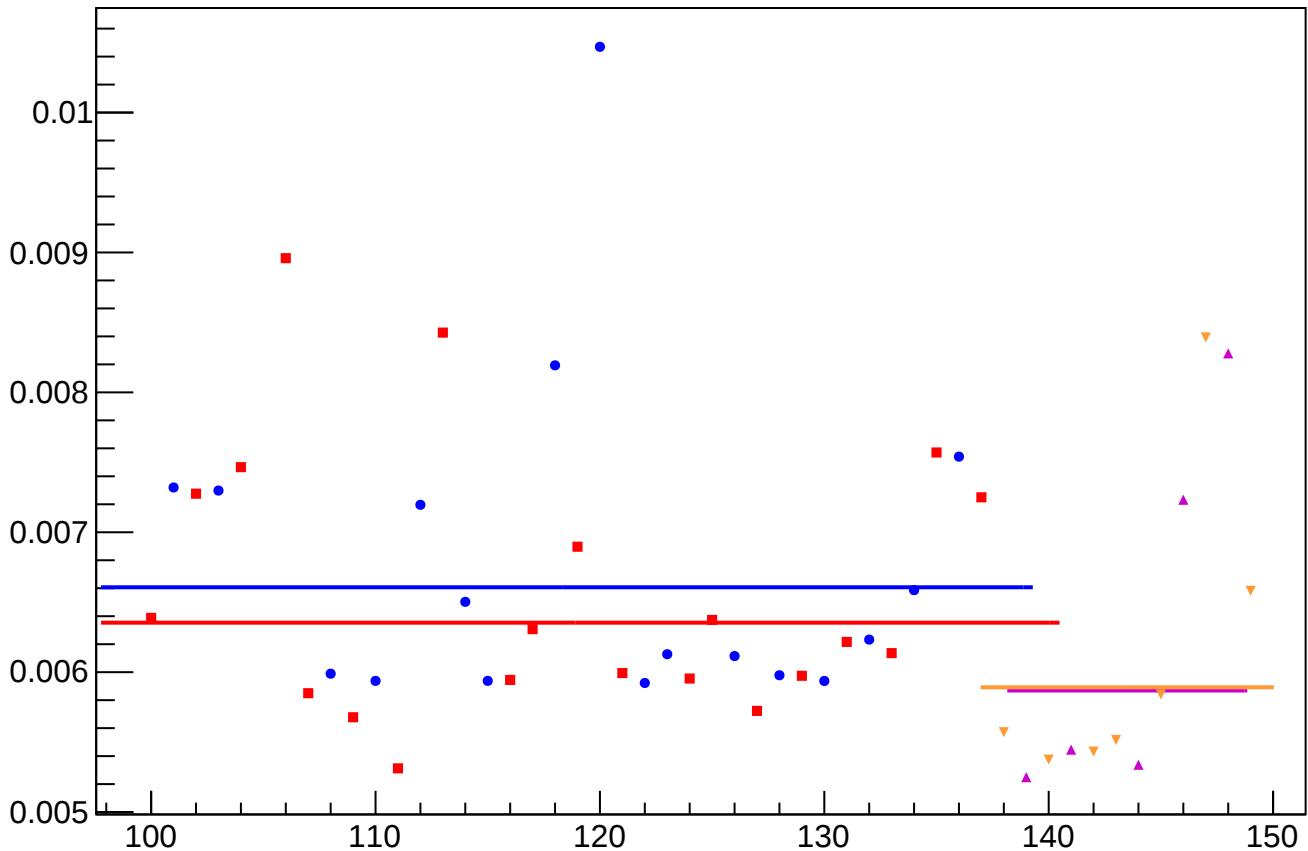
Left In: -1.890+/-0.000 χ^2/NDF : 1555659275.7/4

-1.700+/-0.000 χ^2/NDF : 37064945127.7/23

-1.710+/-0.000 χ^2/NDF : 71659986128.0/4

-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 :171527.4/6

Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

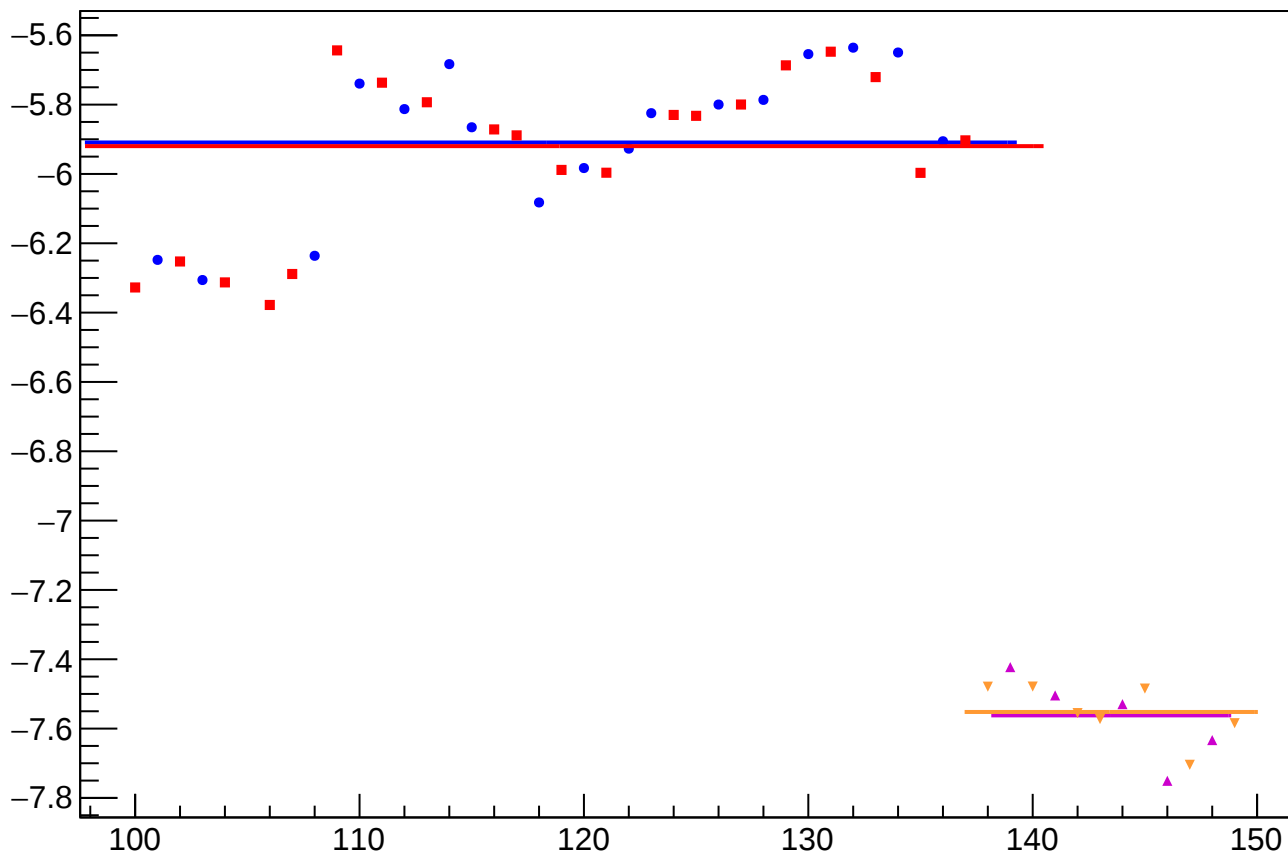
Left In: 0.006+/-0.000 χ^2/NDF :216076.4/4

0.006+/-0.000 χ^2/NDF : 442410.6/23

0.006+/-0.000 χ^2/NDF : 918435.3/48

0.006+/-0.000 χ^2/NDF : 473683.2/24

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.552+/-0.000 χ^2/NDF : 360555184.1/6

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

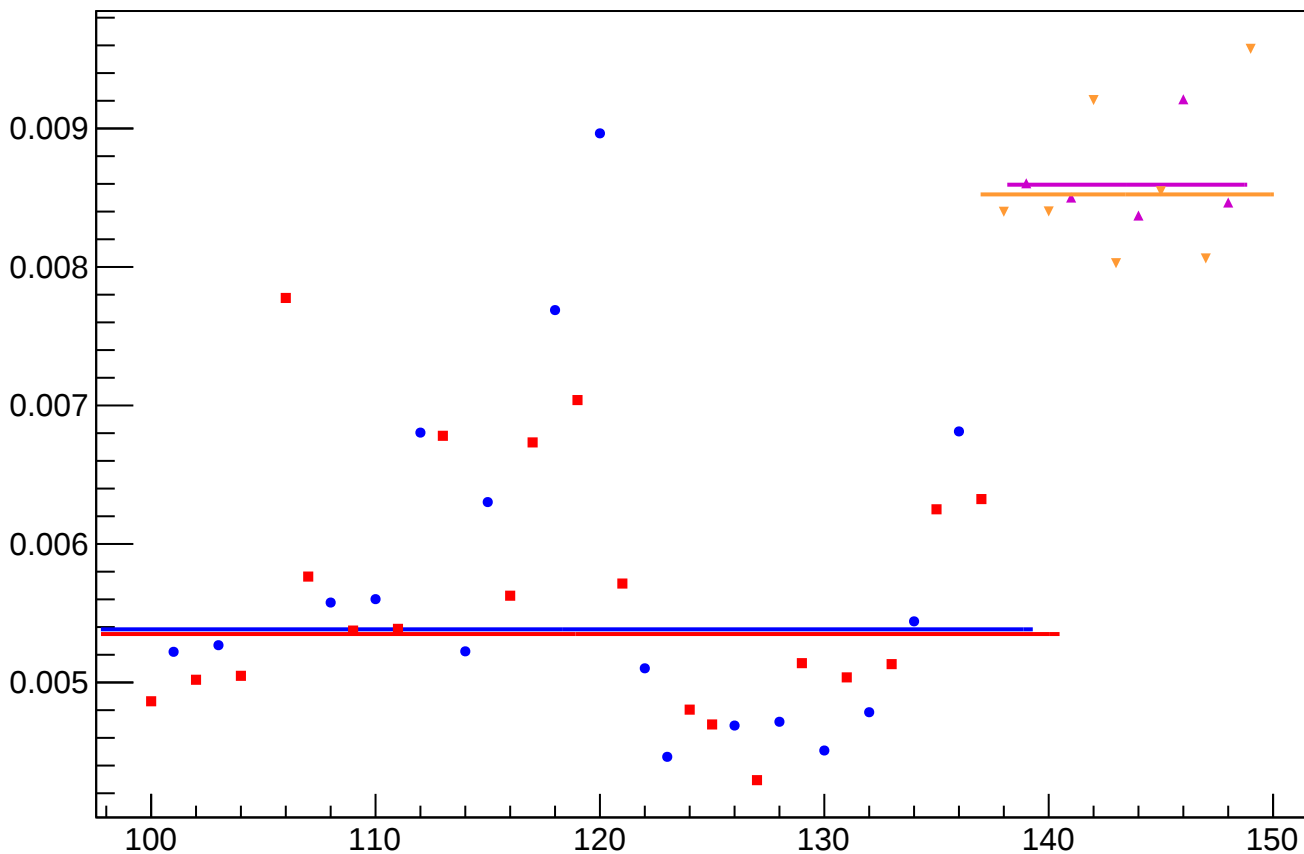
Left In: -7.562+/-0.000 χ^2/NDF : 510486800.1/4

-6.264+/-0.000 χ^2/NDF : 129470864650.3/23

-6.231+/-0.000 χ^2/NDF : 246248858536.7

-6.200+/-0.000 χ^2/NDF : 116228912048.8/24

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 29043.6/6

Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

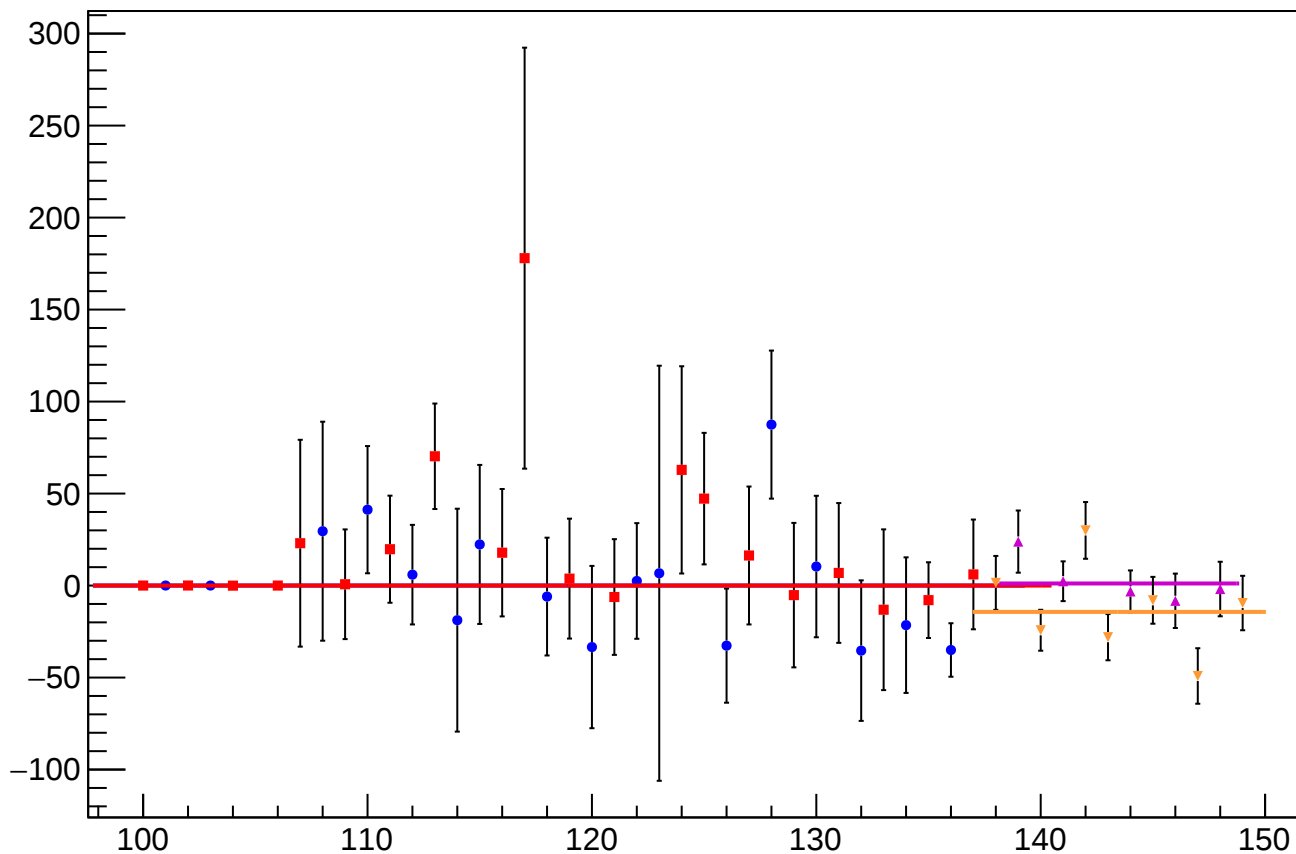
Left In: 0.009+/-0.000 χ^2/NDF : 7120.6/4

0.006+/-0.000 χ^2/NDF : 1238868.4/23

0.006+/-0.000 χ^2/NDF : 2304334.3/48

0.006+/-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: -14.313 ± 5.102 χ^2/NDF : 17.1/6

Right Out: -0.003 ± 0.016 χ^2/NDF : 17.7/19

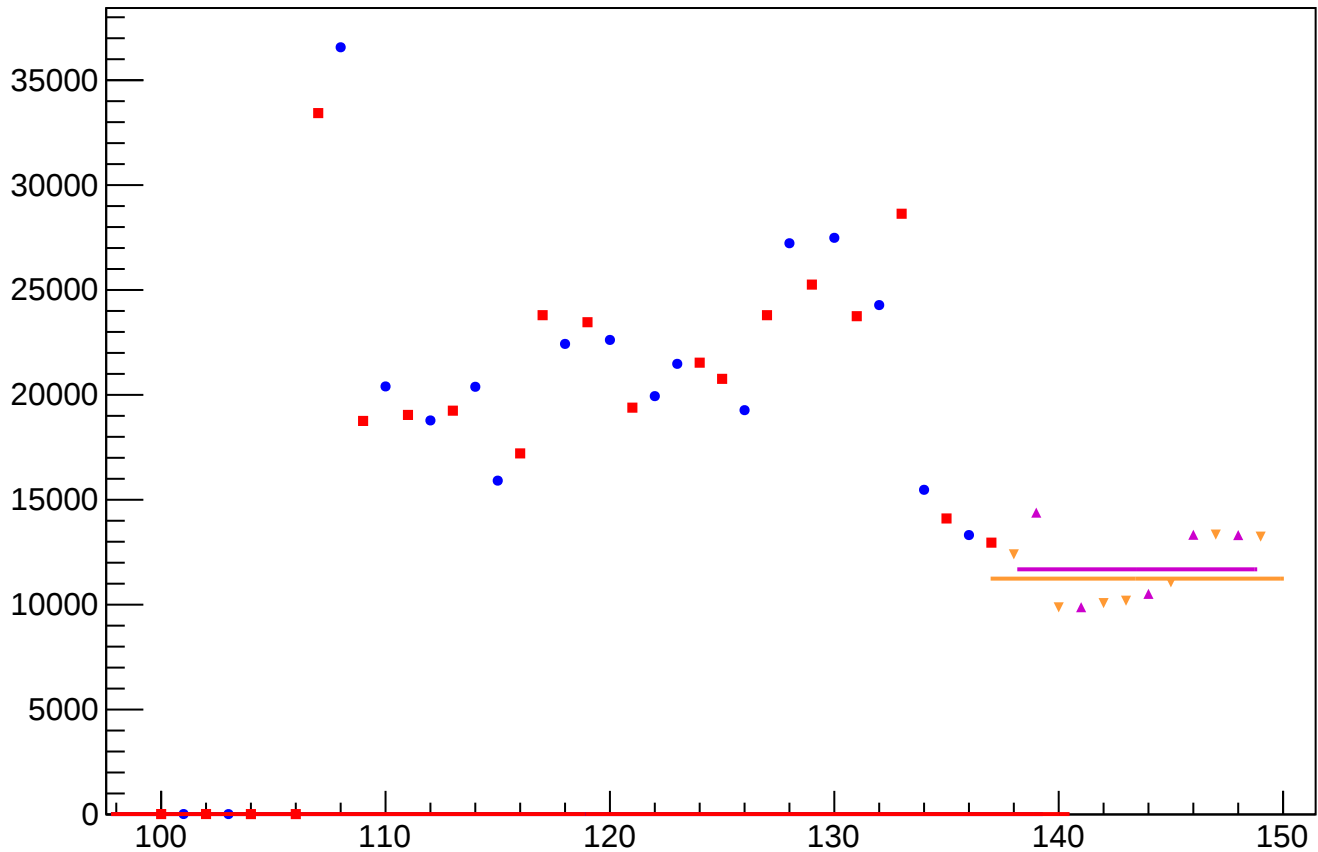
Left In: 1.140 ± 5.884 χ^2/NDF : 2.4/4

0.013 ± 0.017 χ^2/NDF : 40.7/23

0.004 ± 0.012 χ^2/NDF : 61.4/48

-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: 11241.316 $\pm$ 3.607 χ^2/NDF :143998.3/6

Right Out: 18.312 $\pm$ 0.011 χ^2/NDF : 11189737.0/19

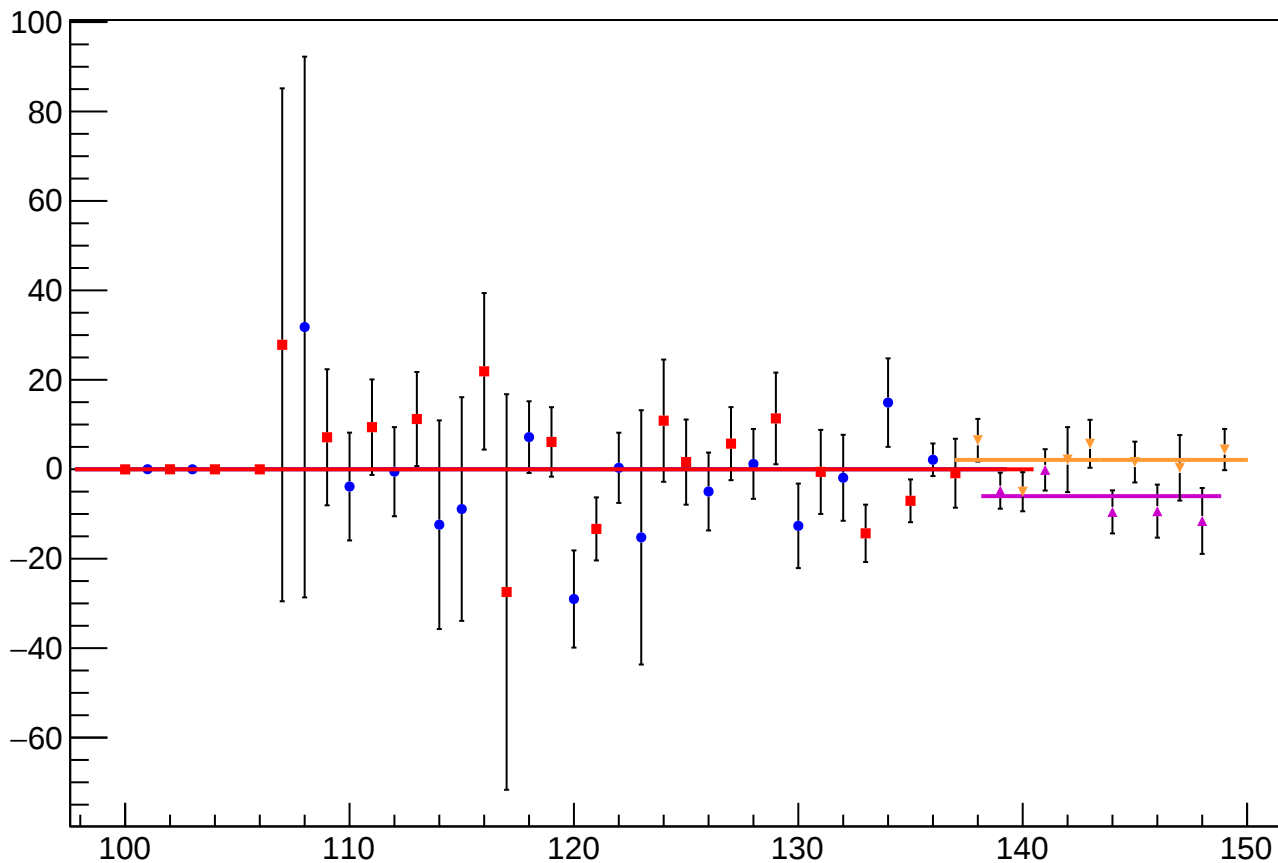
Left In: 11684.528 $\pm$ 4.161 χ^2/NDF :177132.8/4

18.770 $\pm$ 0.012 χ^2/NDF : 20663875.1/23

18.571 $\pm$ 0.008 χ^2/NDF : 39893492.5/48

18.399 $\pm$ 0.011 χ^2/NDF : 19229123.4/24

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 χ^2/NDF : 14.9/16

Left Out: 2.093 ± 1.947 χ^2/NDF : 4.3/6

Right Out: -0.014 ± 0.009 χ^2/NDF : 18.8/19

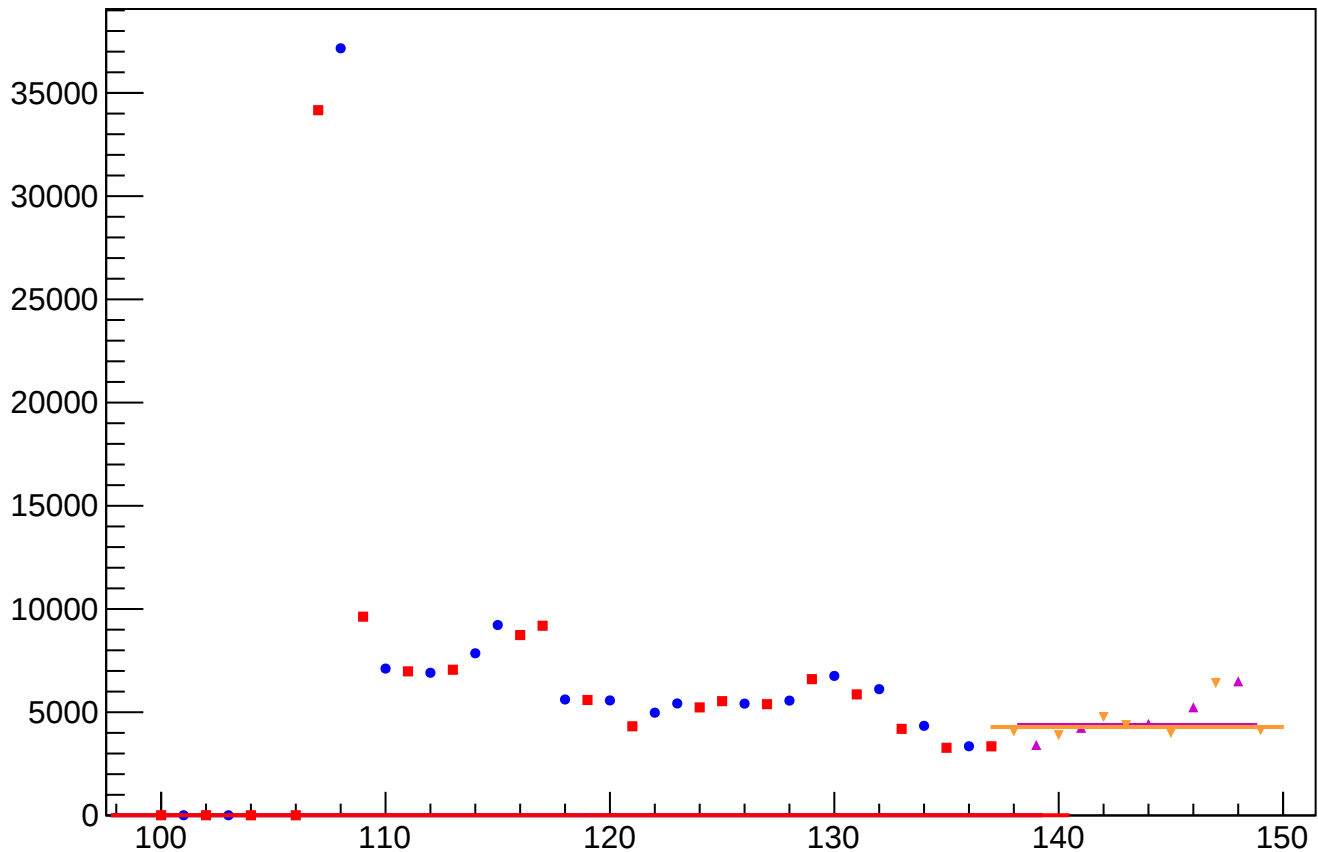
Left In: -6.010 ± 2.244 χ^2/NDF : 3.1/4

0.001 ± 0.009 χ^2/NDF : 20.3/23

-0.007 ± 0.006 χ^2/NDF : 50.8/48

-0.014 ± 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: 4284.719+/-1.377 χ^2/NDF : 209228.6/6

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

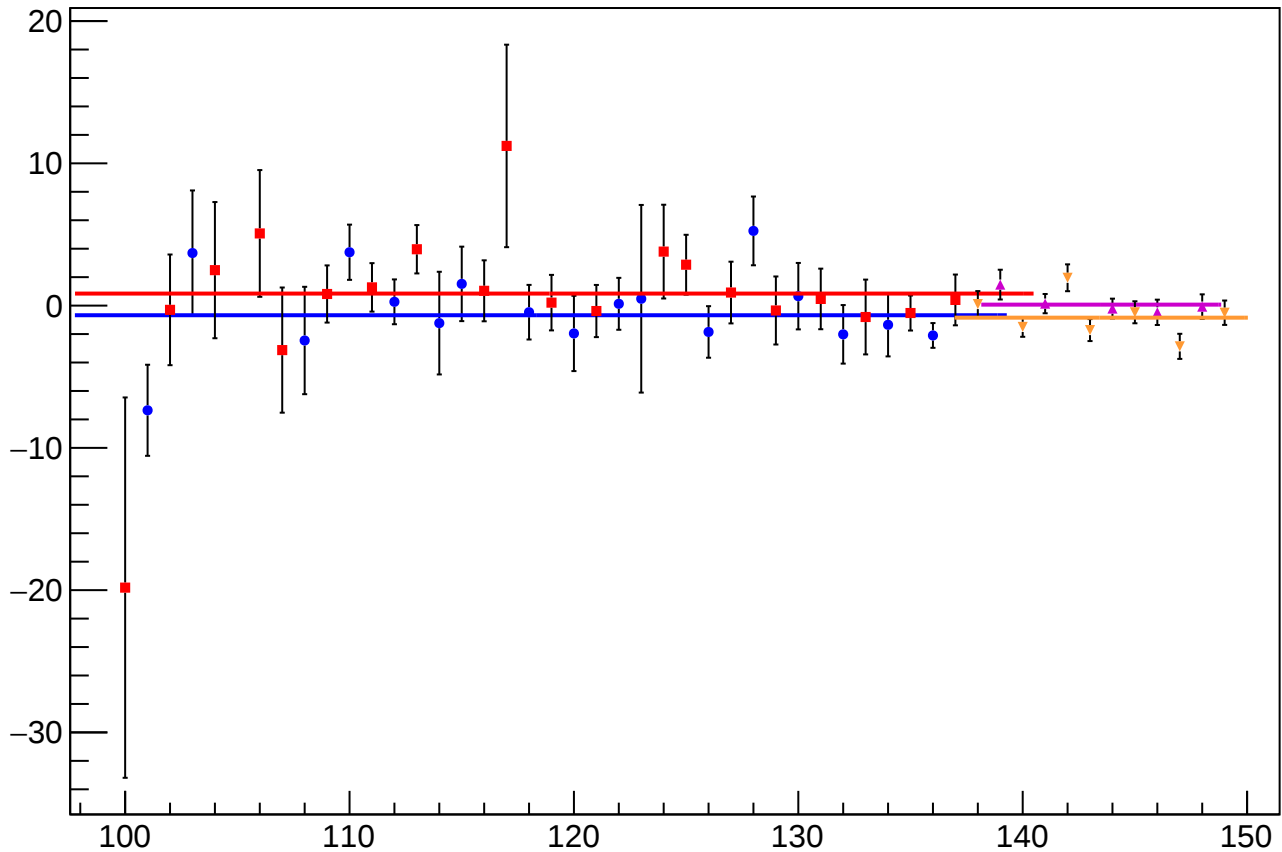
Left In: 4381.161+/-1.587 χ^2/NDF : 324392.4/4

10.033+/-0.007 χ^2/NDF : 20825575.5/23

9.973+/-0.004 χ^2/NDF : 39975676.4/48

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: -0.847 ± 0.310 χ^2/NDF : 17.7/6

Right Out: 0.846 ± 0.500 χ^2/NDF : 14.1/19

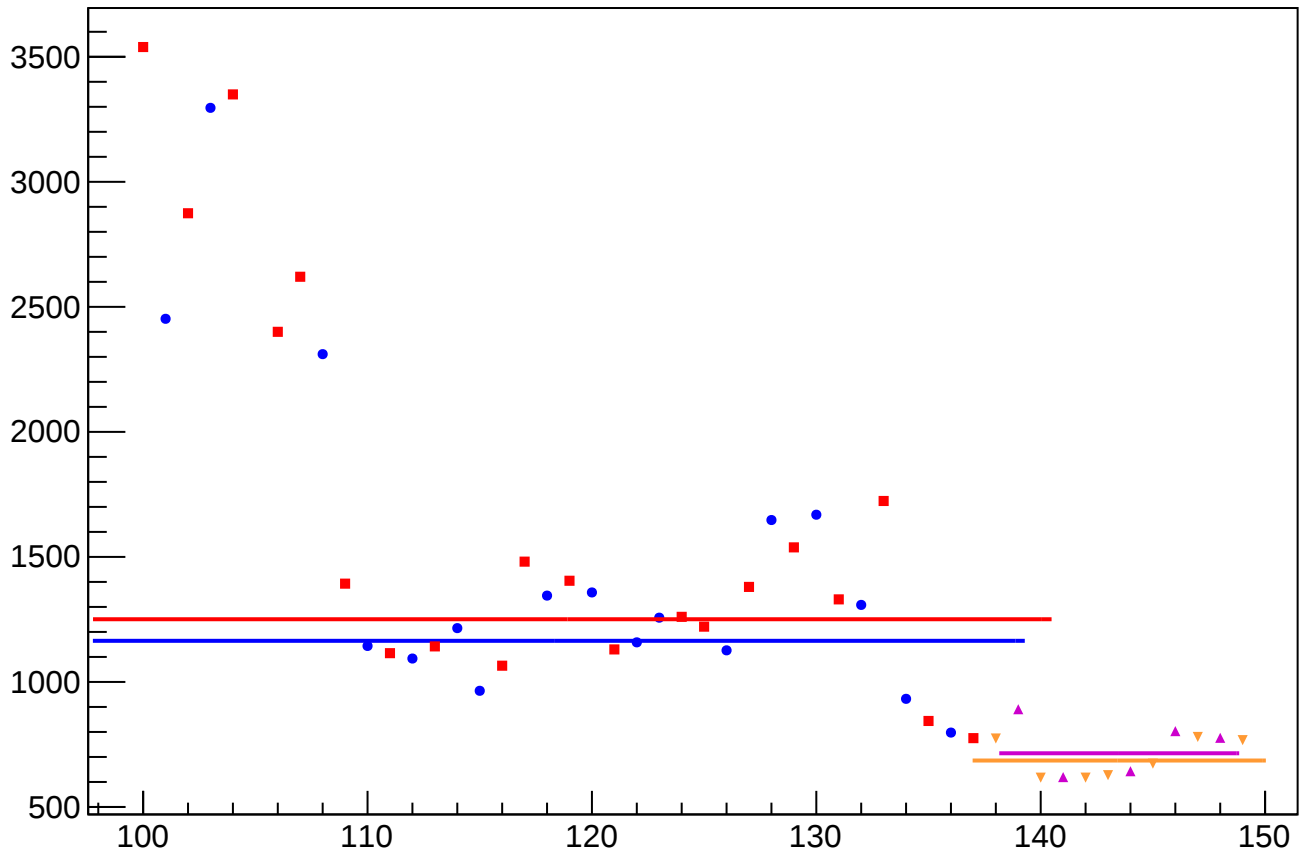
Left In: 0.069 ± 0.359 χ^2/NDF : 2.4/4

-0.798 ± 0.261 χ^2/NDF : 40.1/23

-0.294 ± 0.195 χ^2/NDF : 66.5/48

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: 685.758 $\pm$ 0.219 χ^2 /NDF: 101580.5/6

Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

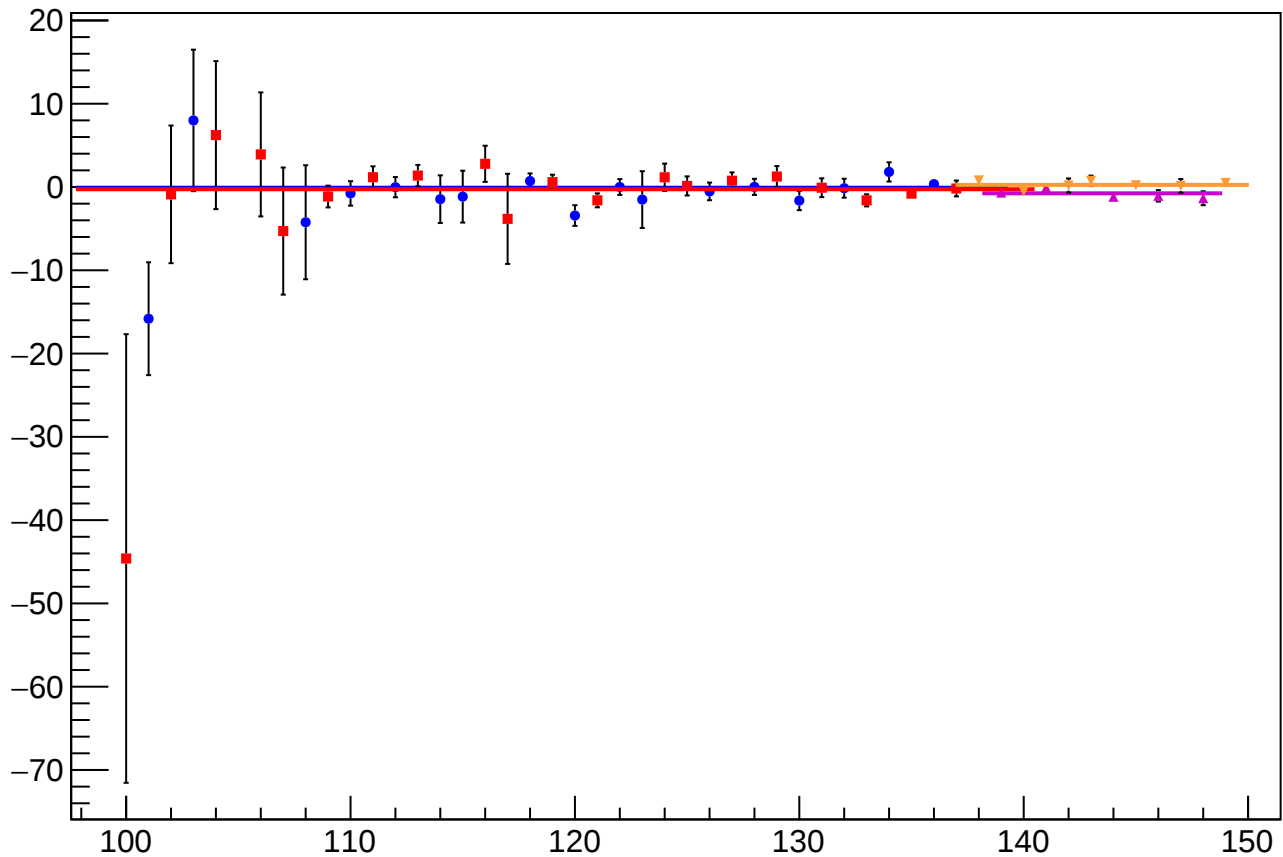
Left In: 714.764 $\pm$ 0.254 χ^2 /NDF: 147557.8/4

825.144 $\pm$ 0.185 χ^2 /NDF: 3071780.1/23

857.189 $\pm$ 0.138 χ^2 /NDF: 6455030.7/48

897.139 $\pm$ 0.206 χ^2 /NDF: 3315643.5/24

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.256 ± 0.229 χ^2/NDF : 4.1/6

Right Out: -0.268 ± 0.264 χ^2/NDF : 20.9/19

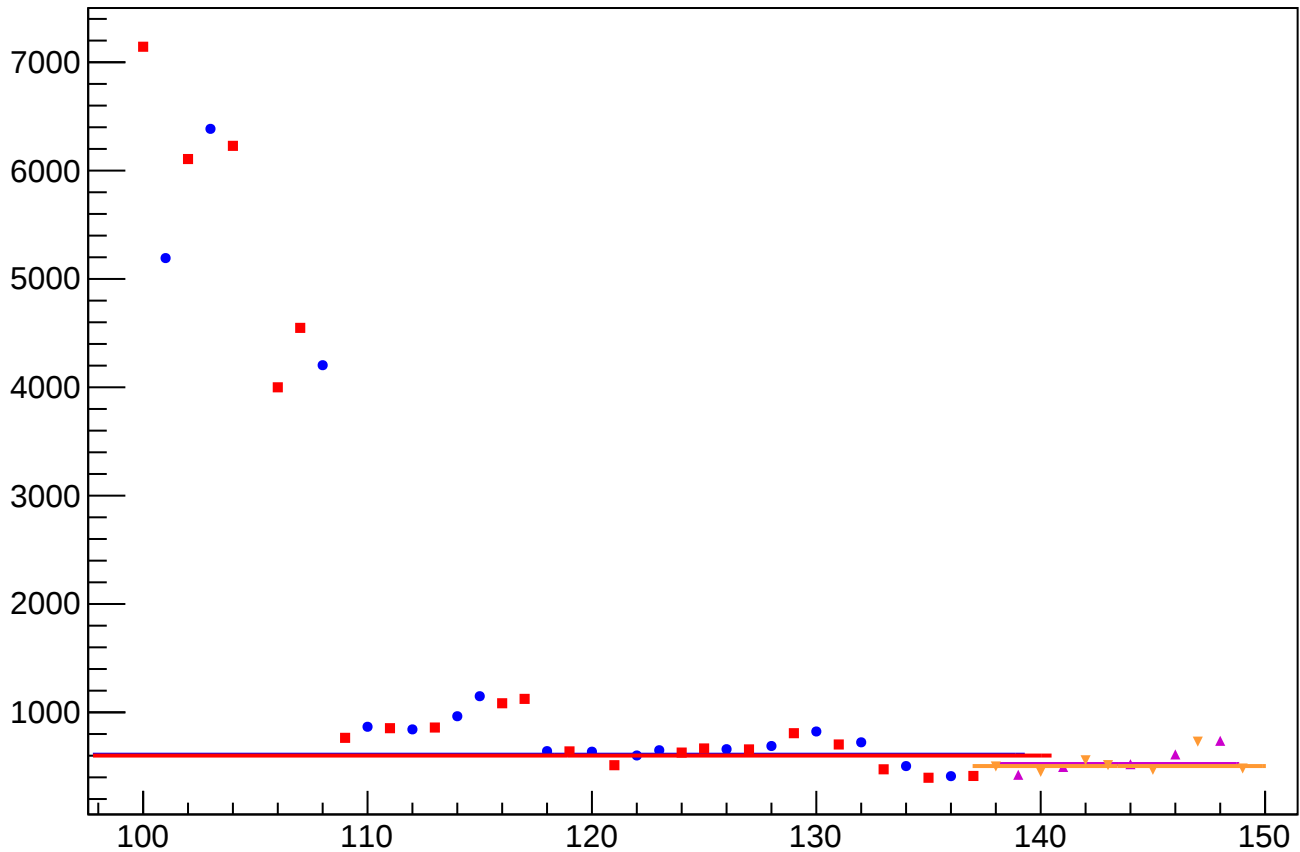
Left In: -0.758 ± 0.266 χ^2/NDF : 2.9/4

0.114 ± 0.175 χ^2/NDF : 26.1/23

-0.176 ± 0.128 χ^2/NDF : 57.6/48

-0.510 ± 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: 504.267+/-0.162 χ^2/NDF : 189248.4/6

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

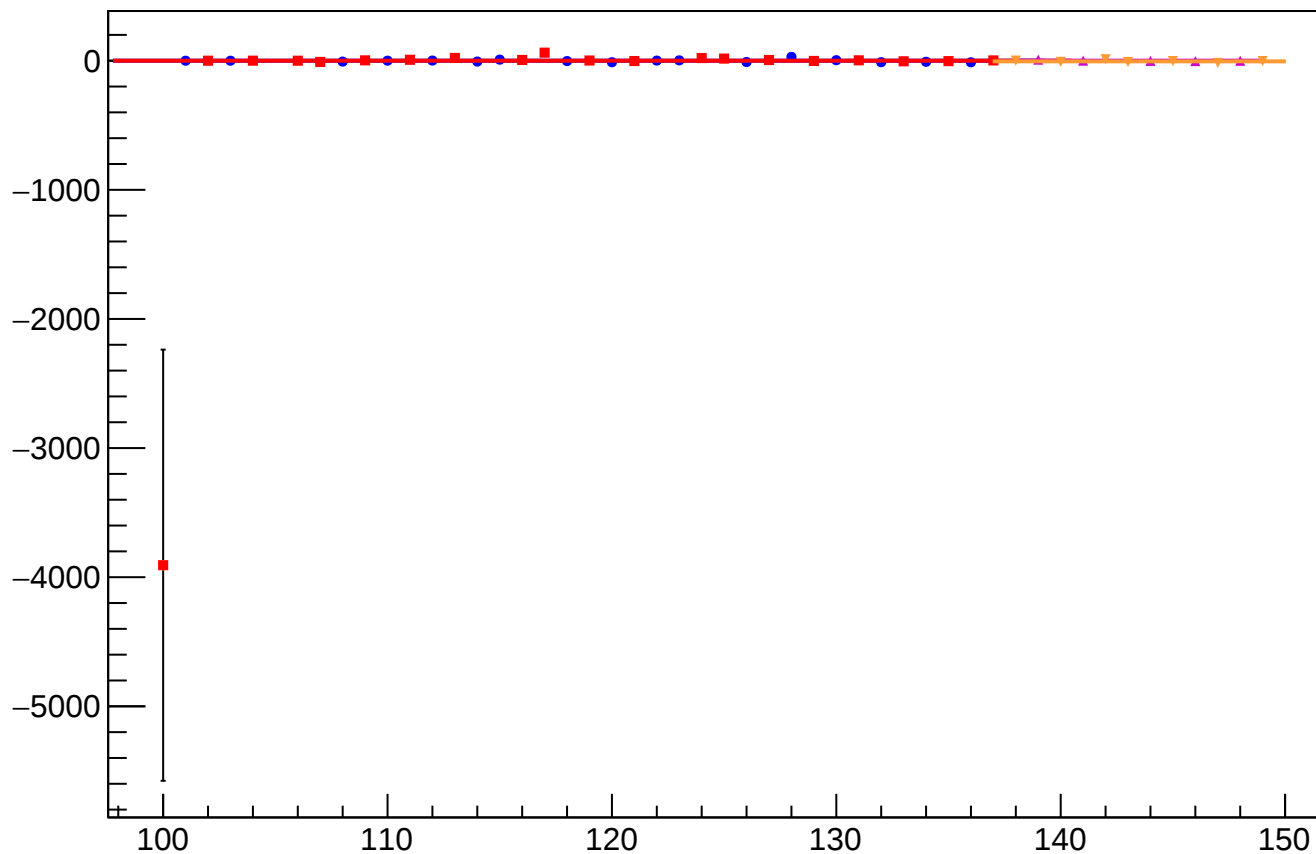
Left In: 523.084+/-0.188 χ^2/NDF : 248804.5/4

548.007+/-0.123 χ^2/NDF : 3503604.5/23

554.726+/-0.090 χ^2/NDF : 7411773.0/48

562.480+/-0.133 χ^2/NDF : 3901787.2/24

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -4.874 ± 1.798 χ^2/NDF : 17.8/6

Right Out: 0.027 ± 0.020 χ^2/NDF : 19.8/19

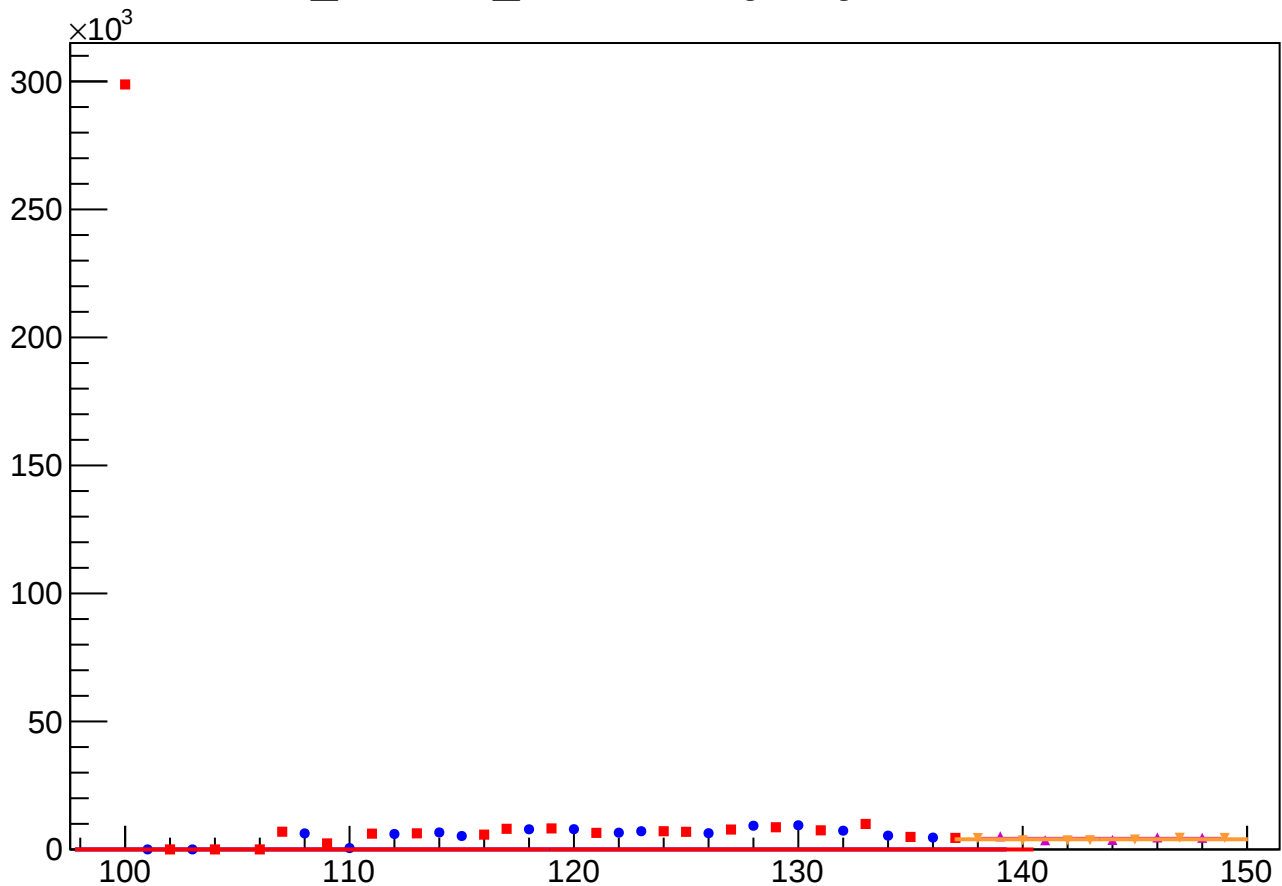
Left In: 0.395 ± 2.084 χ^2/NDF : 2.4/4

-0.022 ± 0.021 χ^2/NDF : 40.3/23

0.003 ± 0.014 χ^2/NDF : 65.5/48

0.027 ± 0.020 χ^2/NDF : 22.3/24

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 ± 0.015 χ^2/NDF : 10359409.4/16

Left Out: 3971.293 ± 1.271 χ^2/NDF : 109938.0/6

Right Out: 17.270 ± 0.014 χ^2/NDF : 10899577.1/19

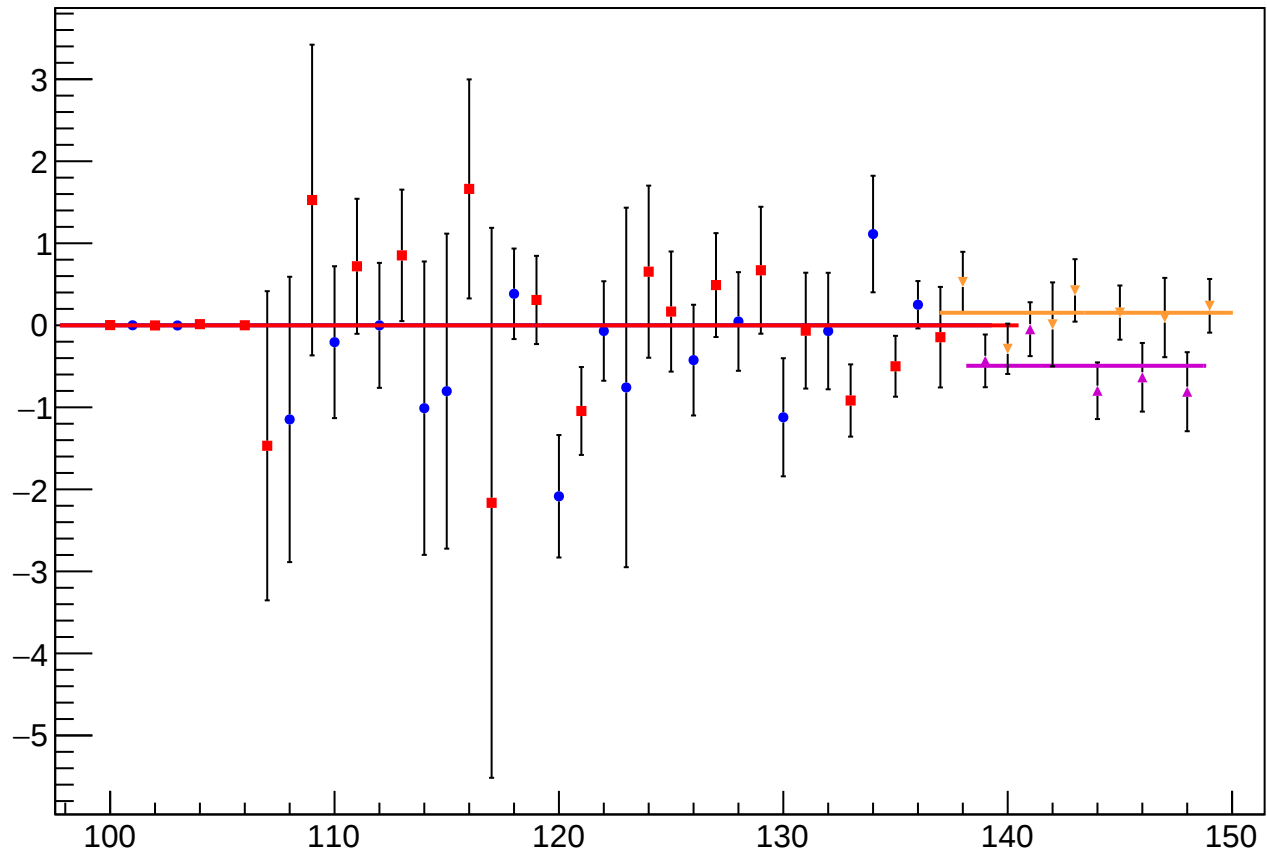
Left In: 4147.309 ± 1.474 χ^2/NDF : 152274.1/4

17.866 ± 0.015 χ^2/NDF : 20138166.7/23

17.748 ± 0.010 χ^2/NDF : 39041294.1/48

17.642 ± 0.014 χ^2/NDF : 18903006.2/24

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.153 ± 0.139 χ^2/NDF : 3.8/6

Right Out: -0.001 ± 0.002 χ^2/NDF : 18.2/19

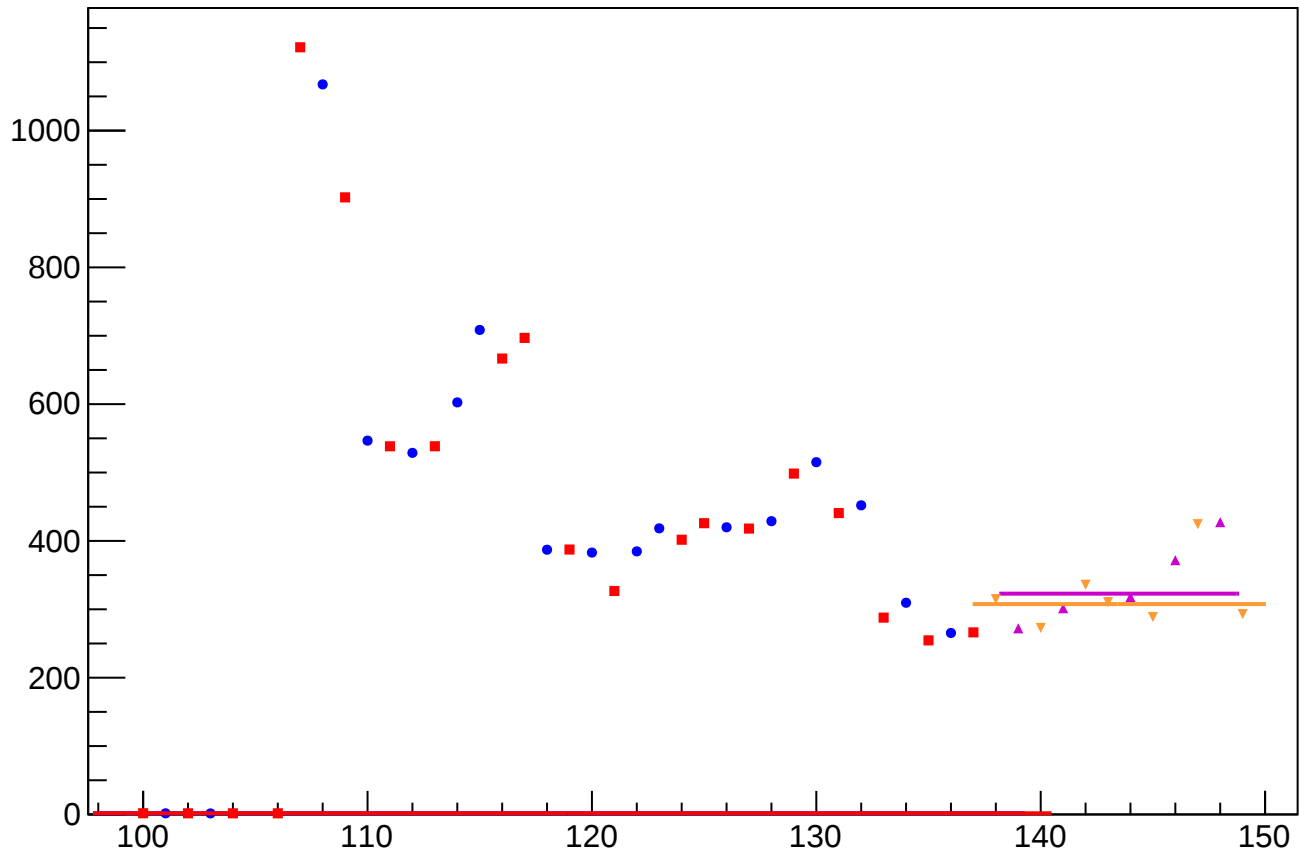
Left In: -0.493 ± 0.164 χ^2/NDF : 3.2/4

0.000 ± 0.002 χ^2/NDF : 20.6/23

-0.000 ± 0.001 χ^2/NDF : 51.3/48

-0.001 ± 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: 307.614 $\pm$ 0.099 χ^2/NDF : 160322.3/6

Right Out: 1.729 $\pm$ 0.001 χ^2/NDF : 10822679.1/19

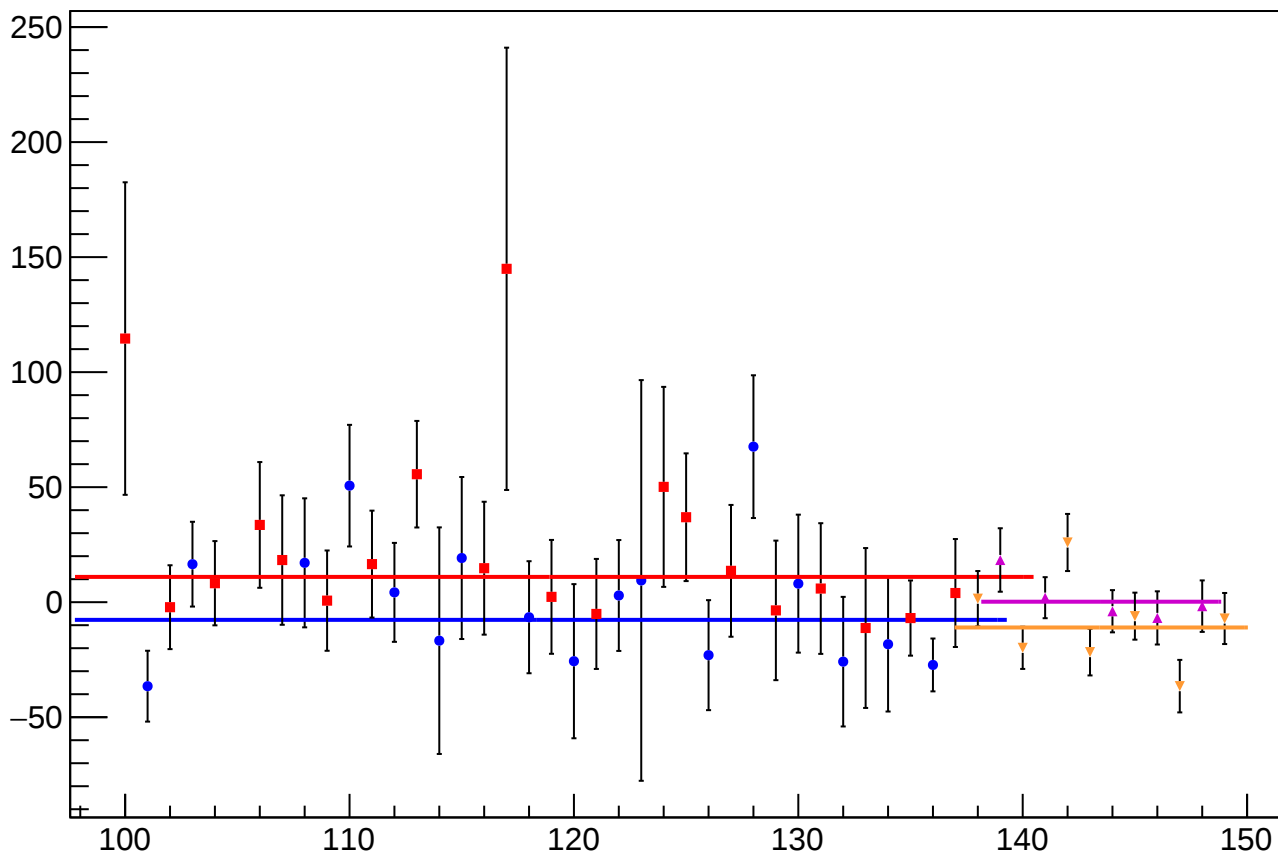
Left In: 322.890 $\pm$ 0.116 χ^2/NDF : 180292.7/4

1.763 $\pm$ 0.001 χ^2/NDF : 20714981.6/23

1.769 $\pm$ 0.001 χ^2/NDF : 39426242.9/48

1.774 $\pm$ 0.001 χ^2/NDF : 18711232.8/24

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 $\pm$ 5.627 χ^2/NDF : 22.4/16

Left Out: -10.995 $\pm$ 4.069 χ^2/NDF : 17.3/6

Right Out: 10.992 $\pm$ 5.672 χ^2/NDF : 13.8/19

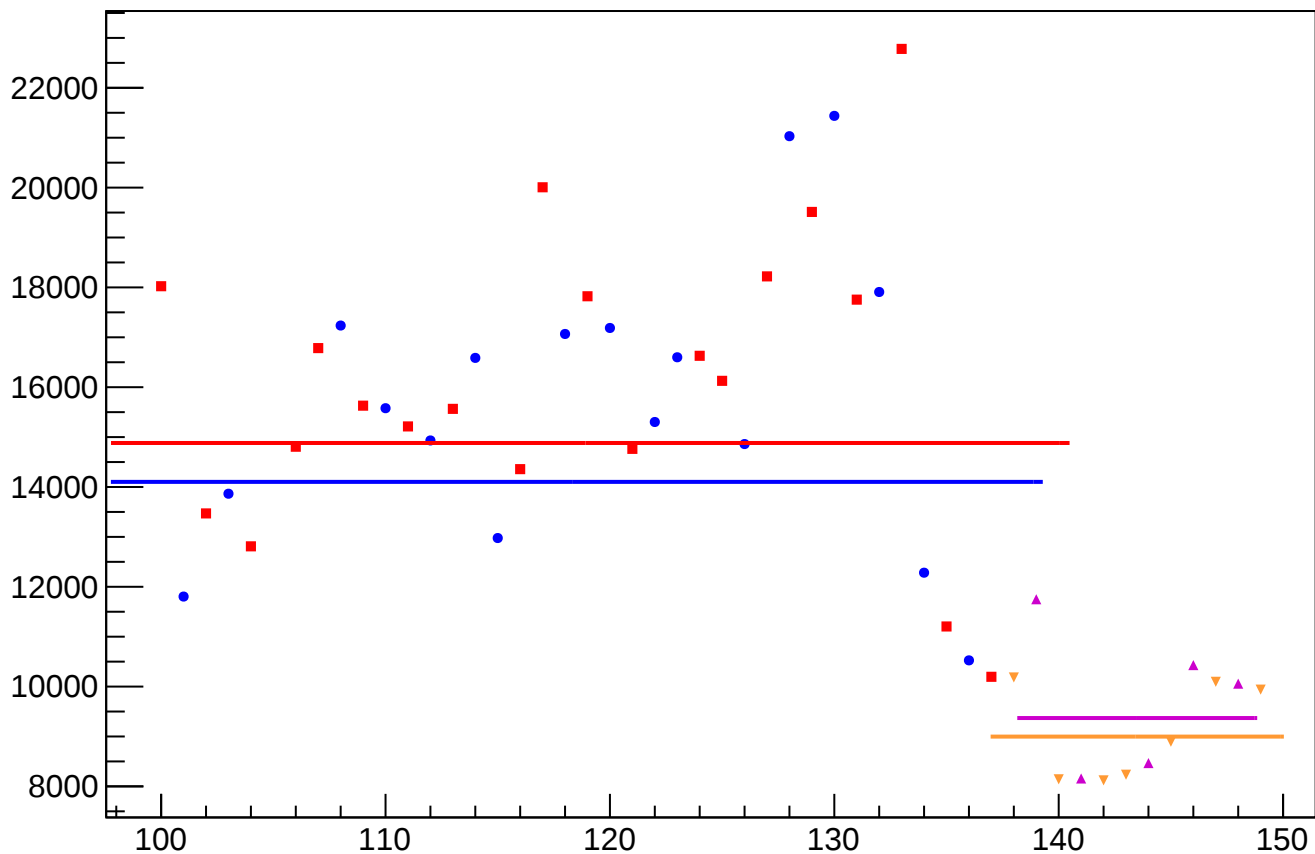
Left In: 0.205 $\pm$ 4.706 χ^2/NDF : 2.4/4

-9.858 $\pm$ 3.298 χ^2/NDF : 39.9/23

-3.304 $\pm$ 2.438 χ^2/NDF : 67.0/48

4.602 $\pm$ 3.622 χ^2/NDF : 18.3/24

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 ± 3.979 χ^2/NDF : 598934.8/16

Left Out: 8997.598 ± 2.878 χ^2/NDF : 91290.6/6

Right Out: 14882.066 ± 4.011 χ^2/NDF : 475983.1/19

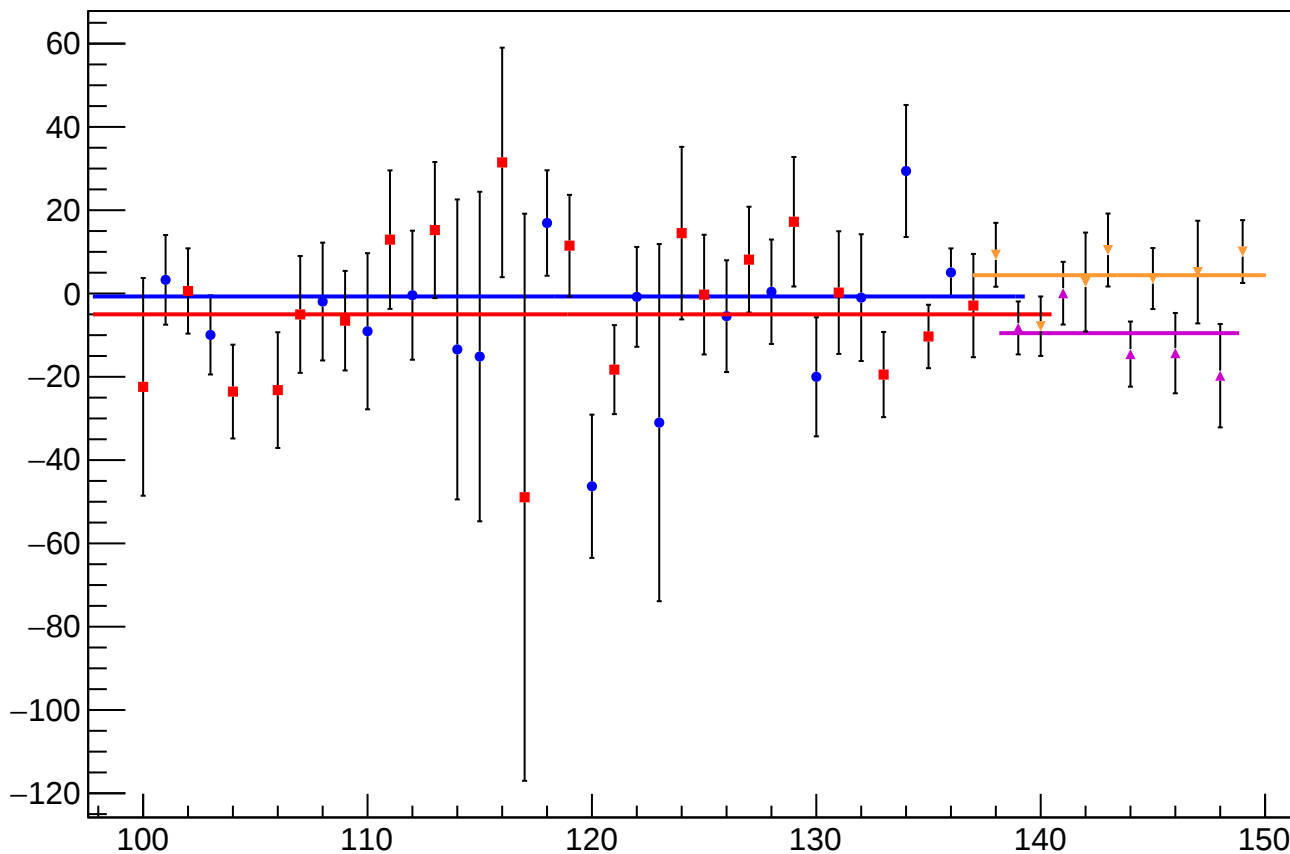
Left In: 9369.648 ± 3.327 χ^2/NDF : 140203.5/4

10750.568 ± 2.332 χ^2/NDF : 1770989.6/23

11143.184 ± 1.724 χ^2/NDF : 3568569.5/4

11616.780 ± 2.561 χ^2/NDF : 1735026.4/24

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 $\pm$ 3.084 χ^2/NDF : 17.6/16

Left Out: 4.394 $\pm$ 3.170 χ^2/NDF : 4.4/6

Right Out: -5.000 $\pm$ 2.937 χ^2/NDF : 20.2/19

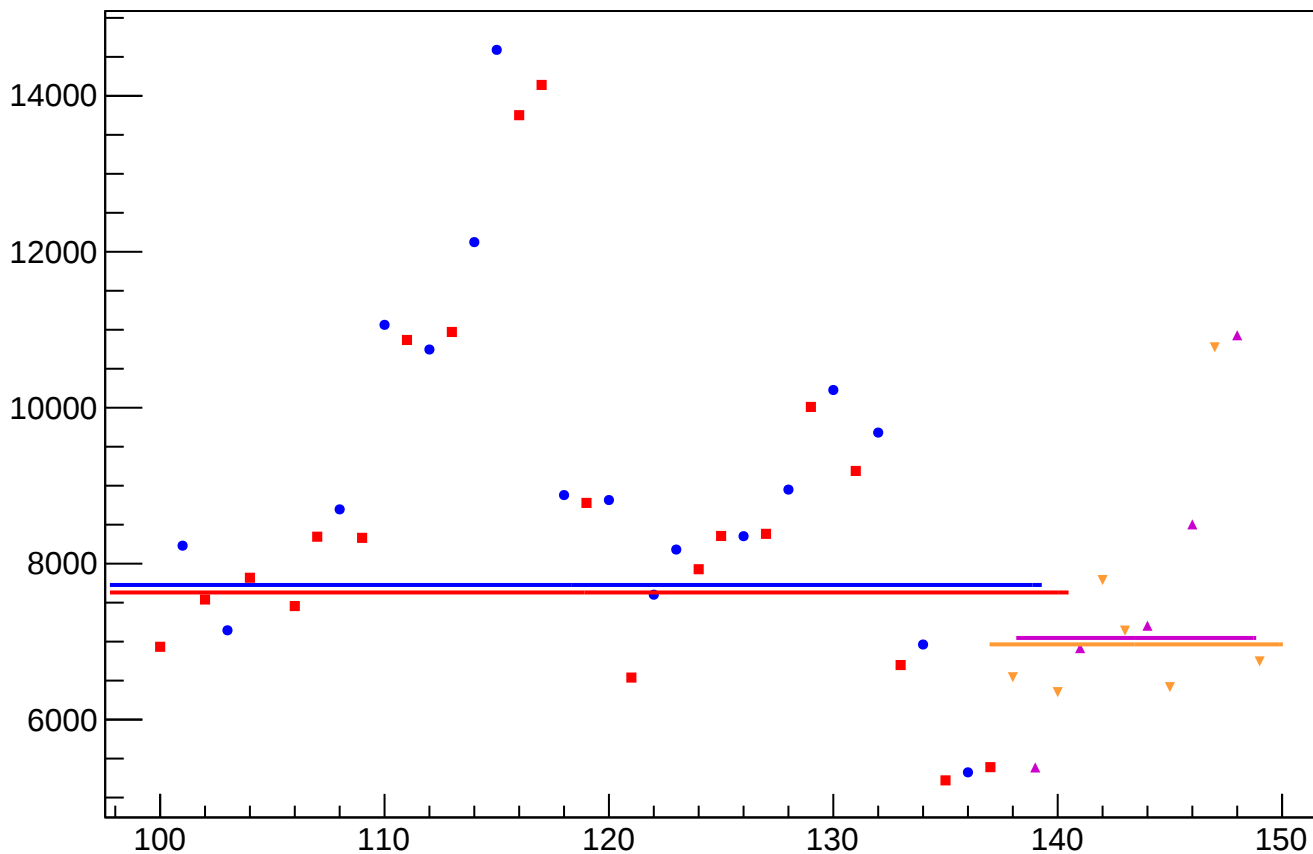
Left In: -9.518 $\pm$ 3.627 χ^2/NDF : 3.0/4

1.772 $\pm$ 2.210 χ^2/NDF : 23.3/23

-2.371 $\pm$ 1.588 χ^2/NDF : 54.7/48

-6.789 $\pm$ 2.282 χ^2/NDF : 24.1/24

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 6964.603+/-2.242 χ^2/NDF : 235226.1/6

Right Out: 7630.342+/-2.077 χ^2/NDF : 693444.5/19

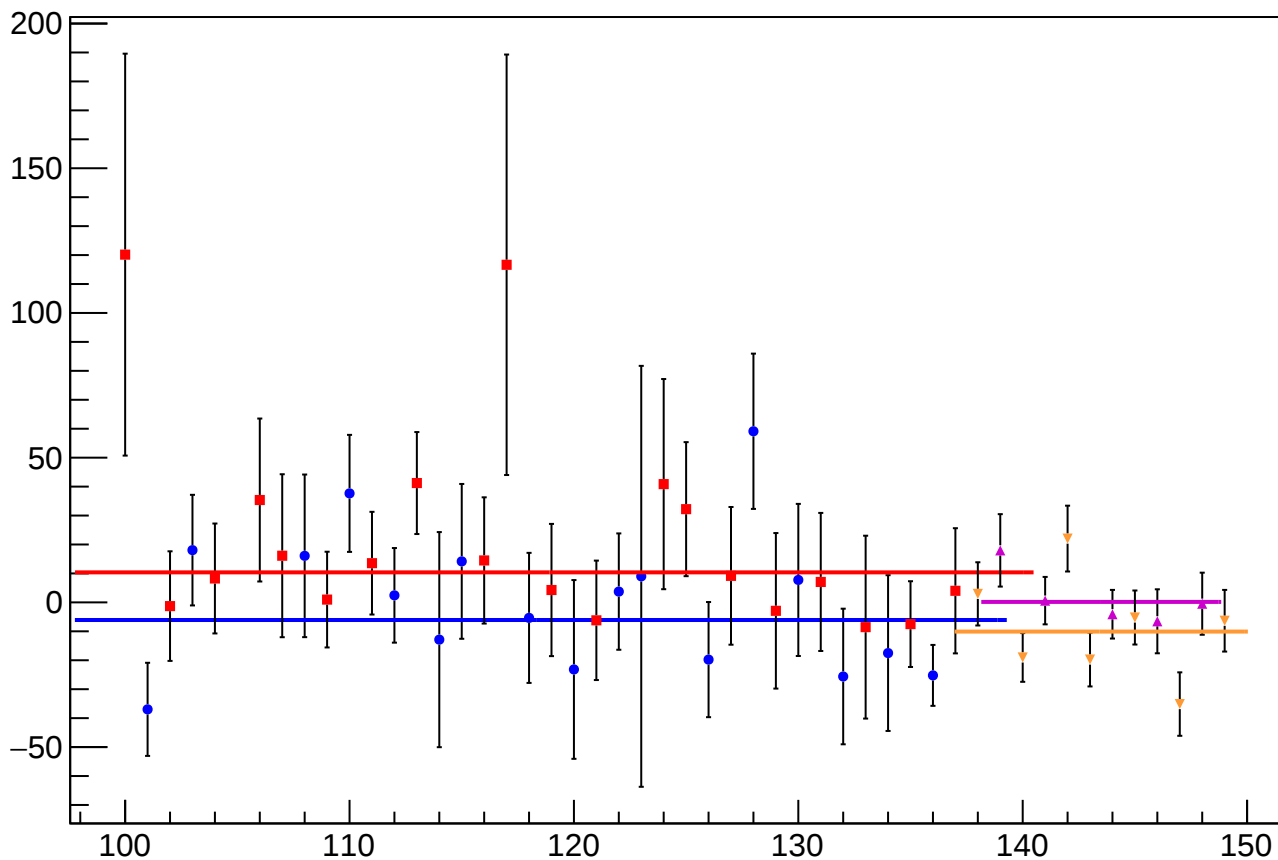
Left In: 7047.203+/-2.565 χ^2/NDF : 379359.1/4

7356.231+/-1.563 χ^2/NDF : 1037138.1/23

7377.143+/-1.123 χ^2/NDF : 2141534.6/48

7399.443+/-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: -10.088 $\pm$ 3.769 χ^2/NDF : 17.2/6

Right Out: 10.369 $\pm$ 4.992 χ^2/NDF : 13.8/19

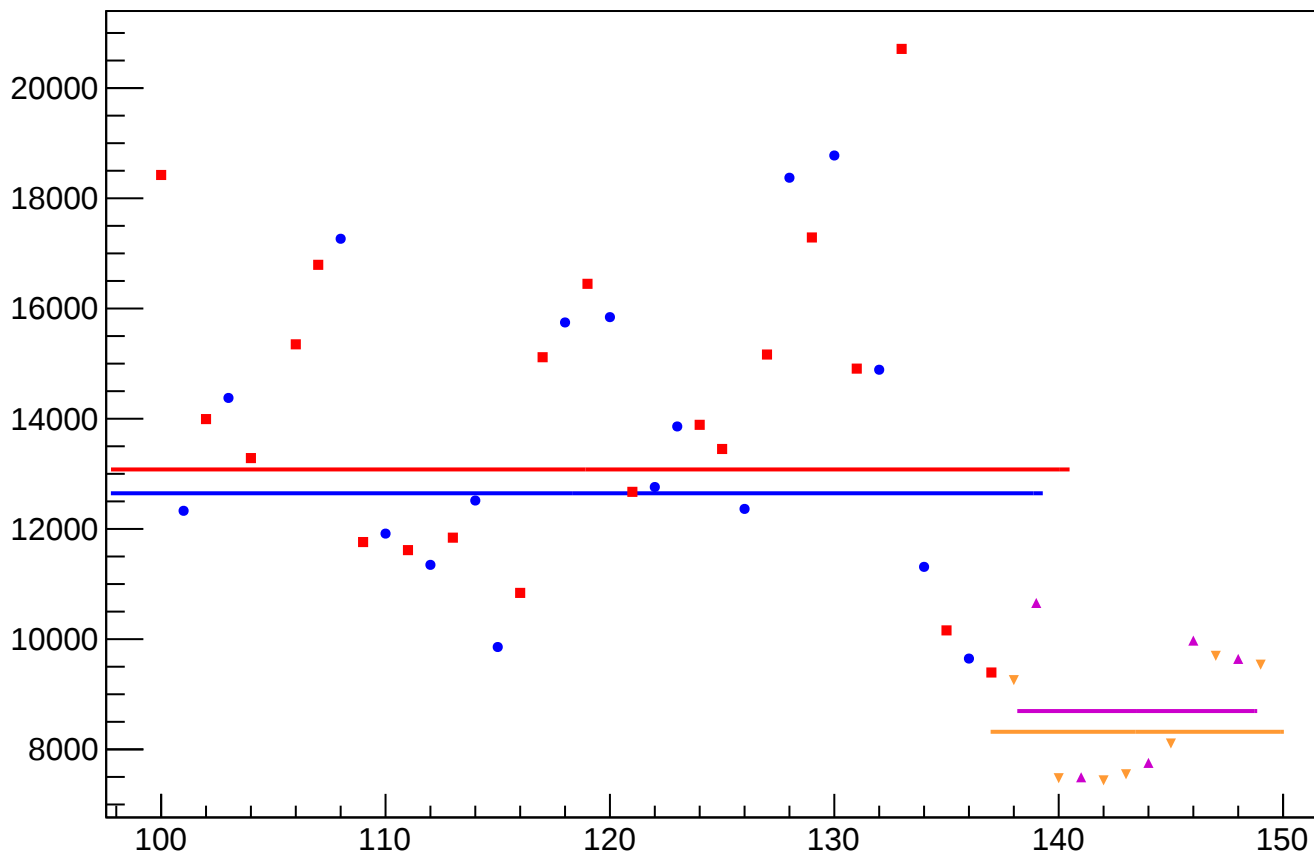
Left In: 0.158 $\pm$ 4.372 χ^2/NDF : 2.7/4

-8.653 $\pm$ 3.017 χ^2/NDF : 40.5/23

-2.601 $\pm$ 2.223 χ^2/NDF : 68.1/48

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: 8319.173 $\pm$ 2.665 χ^2 /NDF: 119308.5/6

Right Out: 13079.592 $\pm$ 3.530 χ^2 /NDF: 497851.1/19

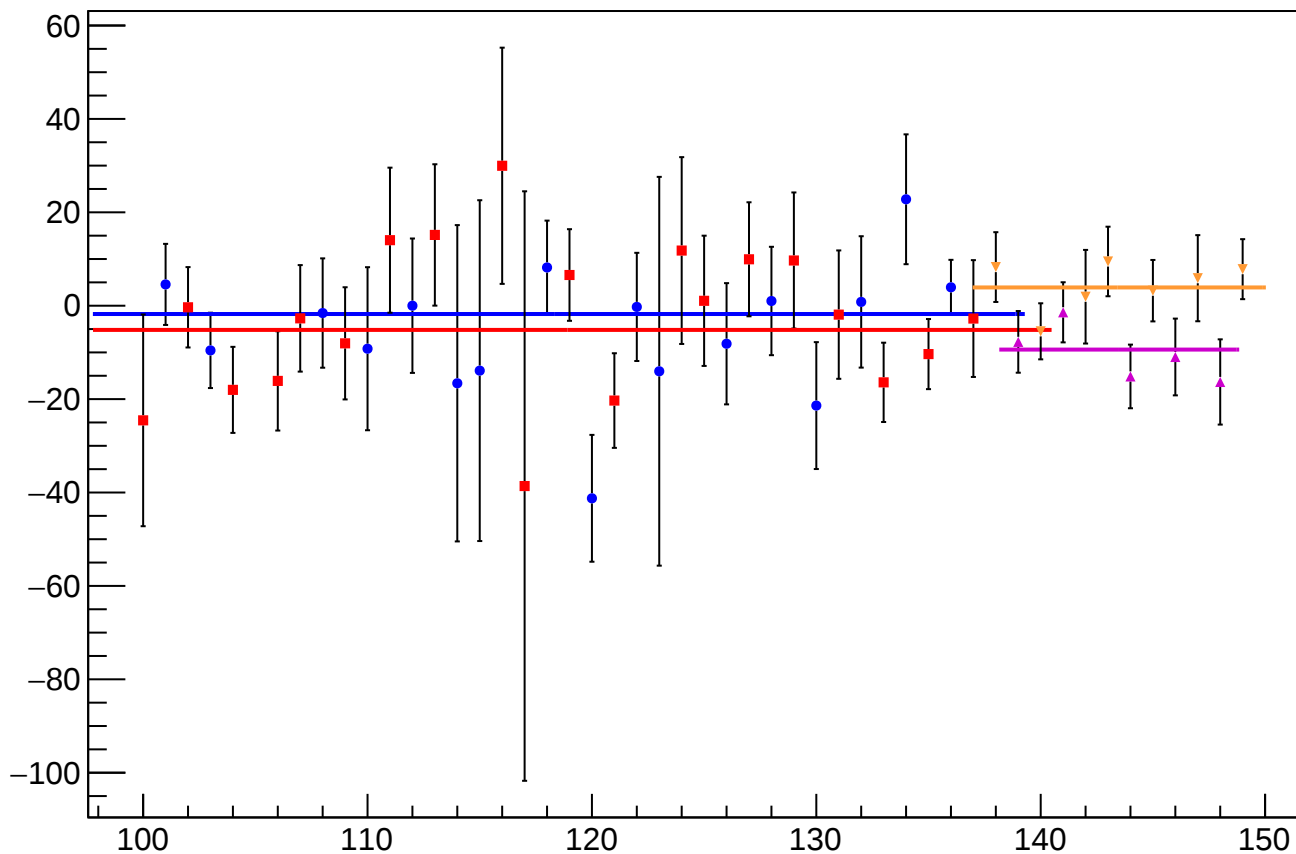
Left In: 8695.421 $\pm$ 3.092 χ^2 /NDF: 159543.8/4

9873.956 $\pm$ 2.133 χ^2 /NDF: 1621063.5/23

10205.114 $\pm$ 1.572 χ^2 /NDF: 3204237.1/4

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: 3.912 $\pm$ 2.744 χ^2/NDF : 3.8/6

Right Out: -5.181 $\pm$ 2.640 χ^2/NDF : 19.2/19

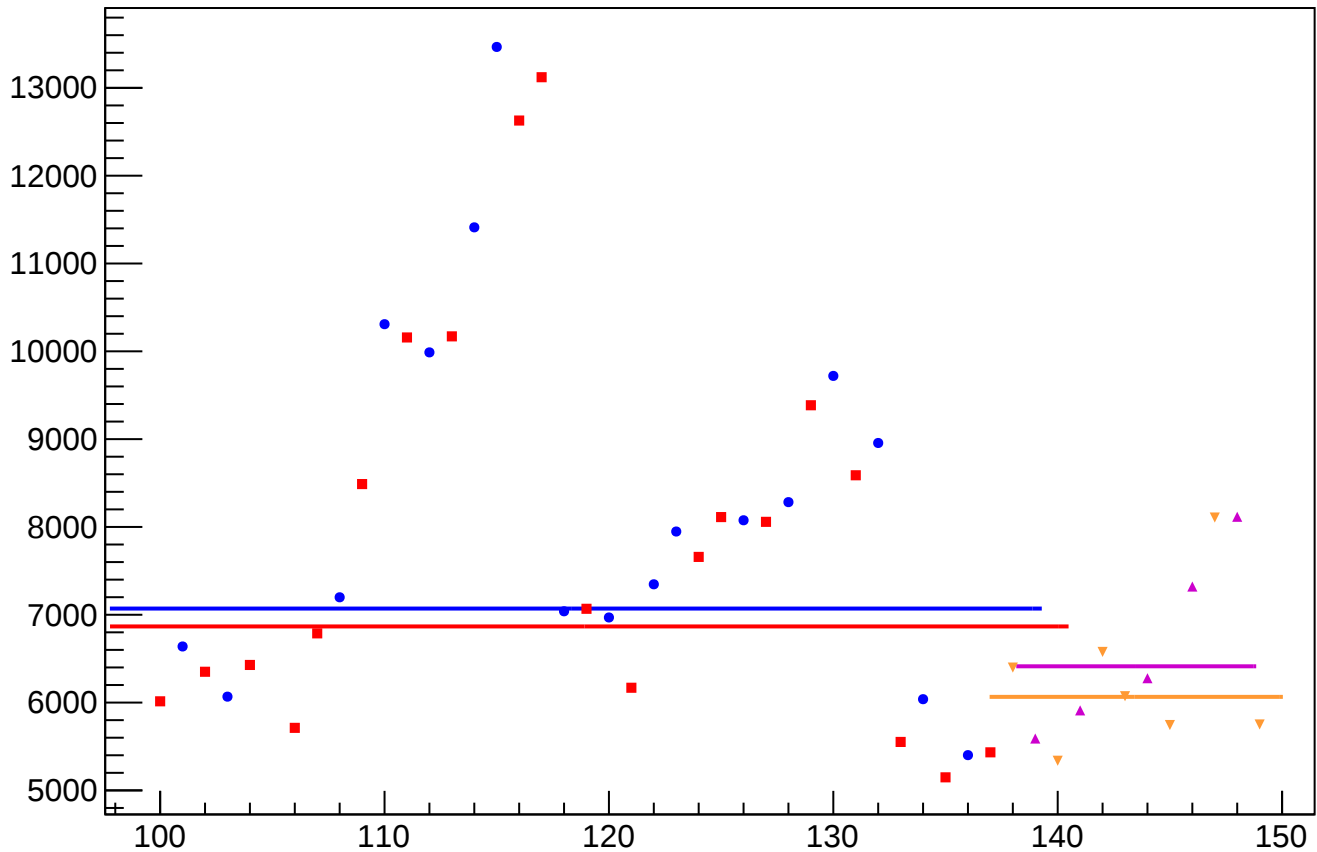
Left In: -9.394 $\pm$ 3.237 χ^2/NDF : 2.9/4

1.131 $\pm$ 1.962 χ^2/NDF : 23.9/23

-2.699 $\pm$ 1.416 χ^2/NDF : 55.0/48

-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: 6065.103 $\pm$ 1.941 χ^2/NDF :146206.1/6

Right Out: 6867.094 $\pm$ 1.866 χ^2/NDF : 701892.5/19

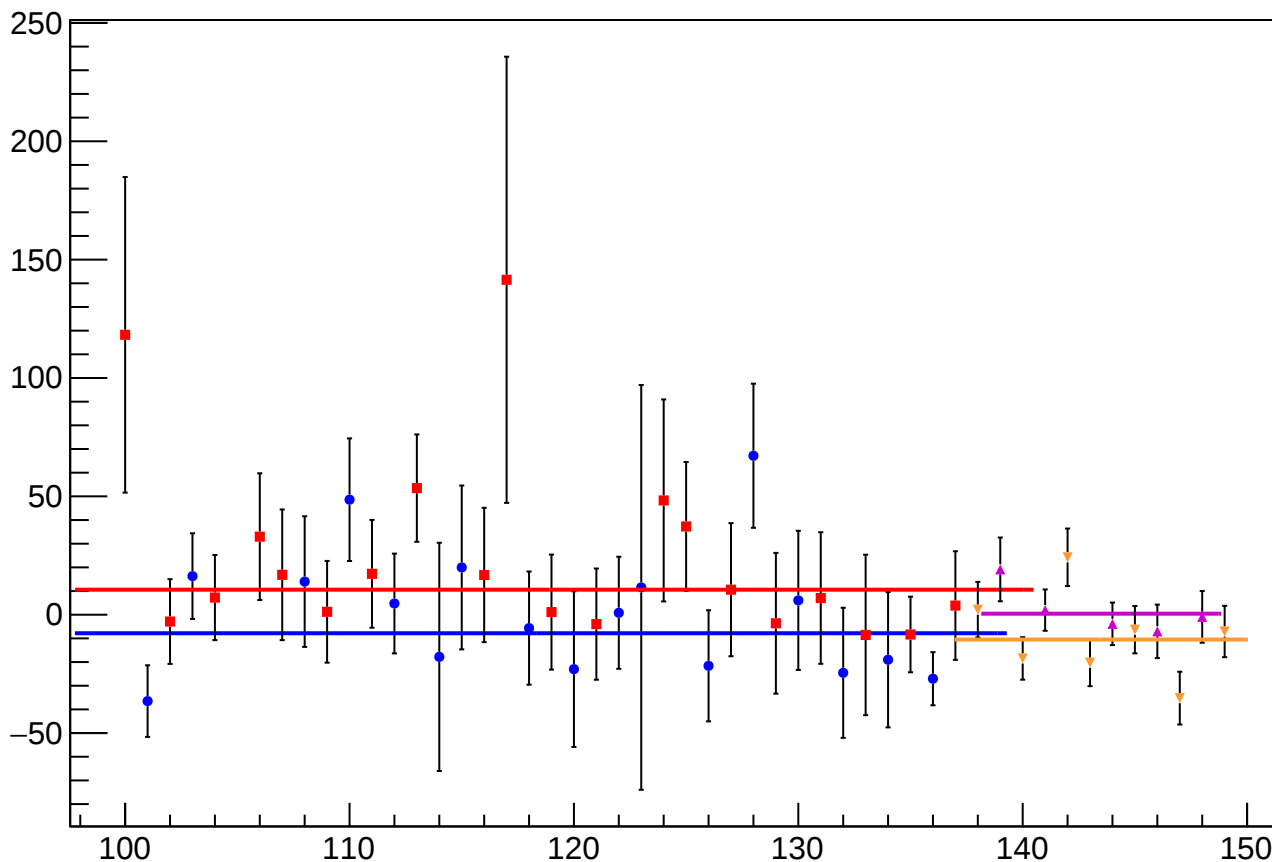
Left In: 6413.129 $\pm$ 2.289 χ^2/NDF :138016.2/4

6556.742 $\pm$ 1.387 χ^2/NDF : 879170.6/23

6618.586 $\pm$ 1.001 χ^2/NDF : 1746848.6/48

6685.823 $\pm$ 1.447 χ^2/NDF : 863530.5/24

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -10.490 ± 3.980 $\chi^2/\text{NDF}: 16.3/6$

Right Out: 10.574 ± 5.561 $\chi^2/\text{NDF}: 14.1/19$

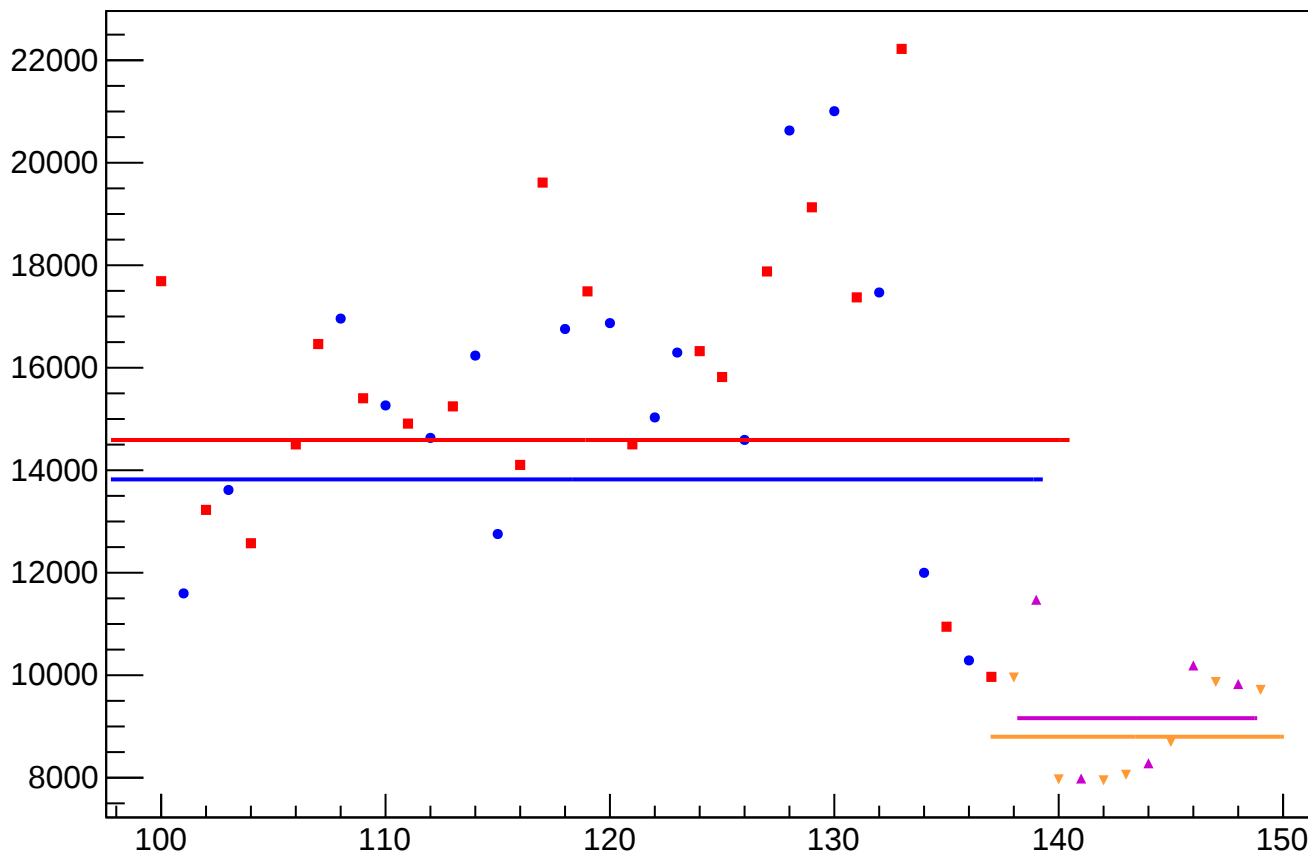
Left In: 0.437 ± 4.601 $\chi^2/\text{NDF}: 2.6/4$

-9.577 ± 3.227 $\chi^2/\text{NDF}: 38.7/23$

-3.172 ± 2.386 $\chi^2/\text{NDF}: 66.1/48$

4.556 ± 3.545 $\chi^2/\text{NDF}: 18.7/24$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 8800.380+/-2.814 χ^2/NDF : 90226.2/6

Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

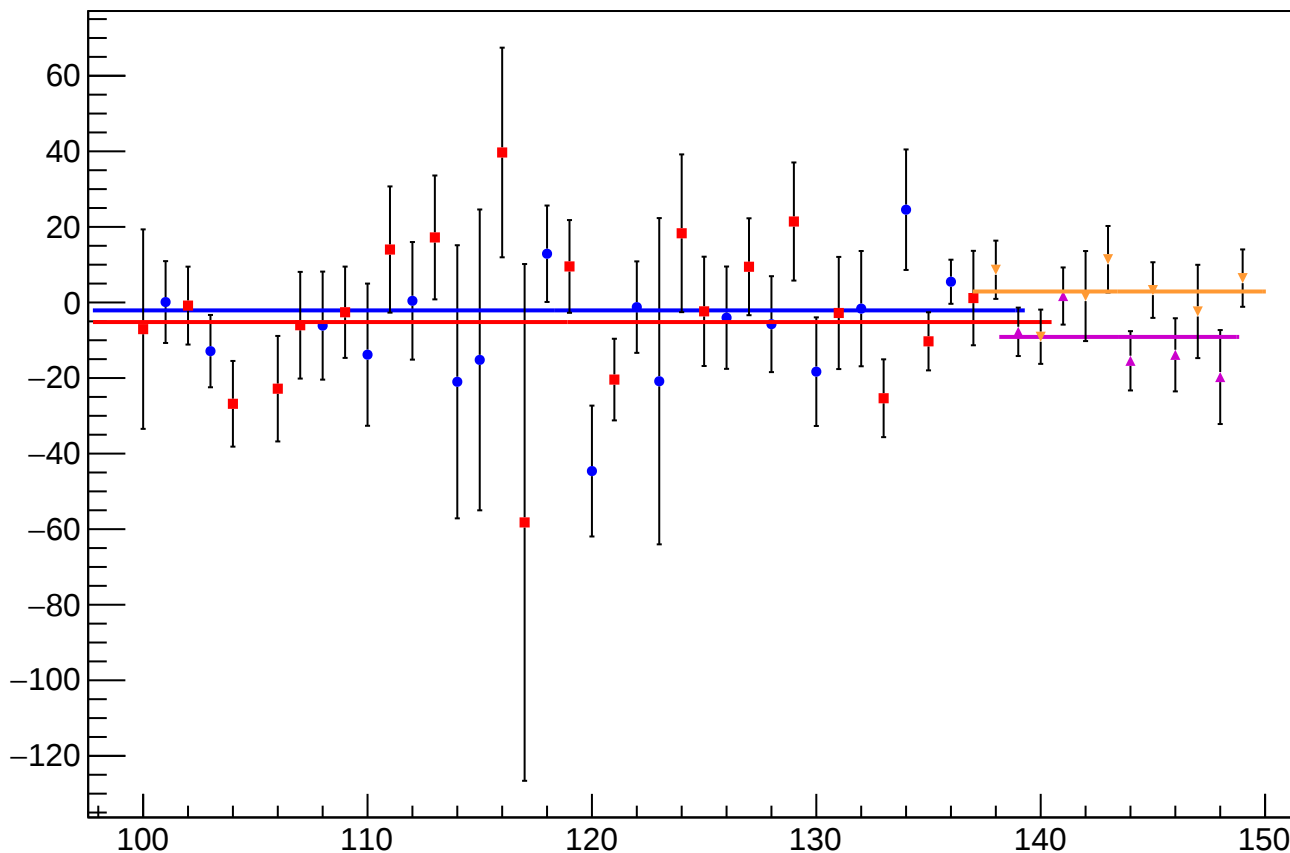
Left In: 9162.133+/-3.253 χ^2/NDF : 138469.0/4

10519.309+/-2.282 χ^2/NDF : 1782721.9/23

10903.693+/-1.687 χ^2/NDF : 3593002.4/4

11367.450+/-2.507 χ^2/NDF : 1747681.2/24

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 2.905 ± 3.185 χ^2/NDF : 4.7/6

Right Out: -5.184 ± 2.959 χ^2/NDF : 25.4/19

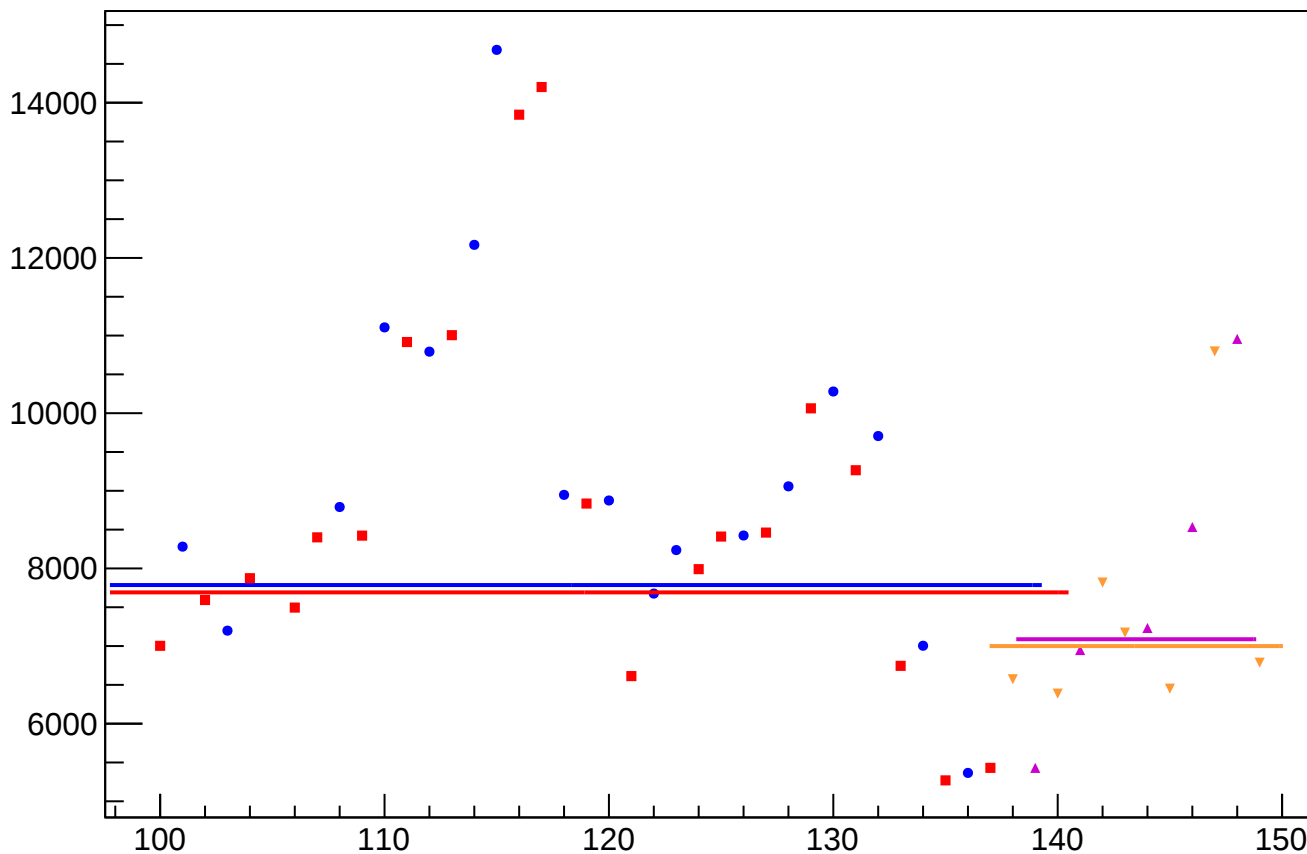
Left In: -9.119 ± 3.646 χ^2/NDF : 3.7/4

0.341 ± 2.224 χ^2/NDF : 21.6/23

-3.087 ± 1.598 χ^2/NDF : 56.3/48

-6.747 ± 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: 6999.655 $\pm$ 2.252 χ^2 /NDF: 232646.0/6

Right Out: 7691.398 $\pm$ 2.093 χ^2 /NDF: 686898.9/19

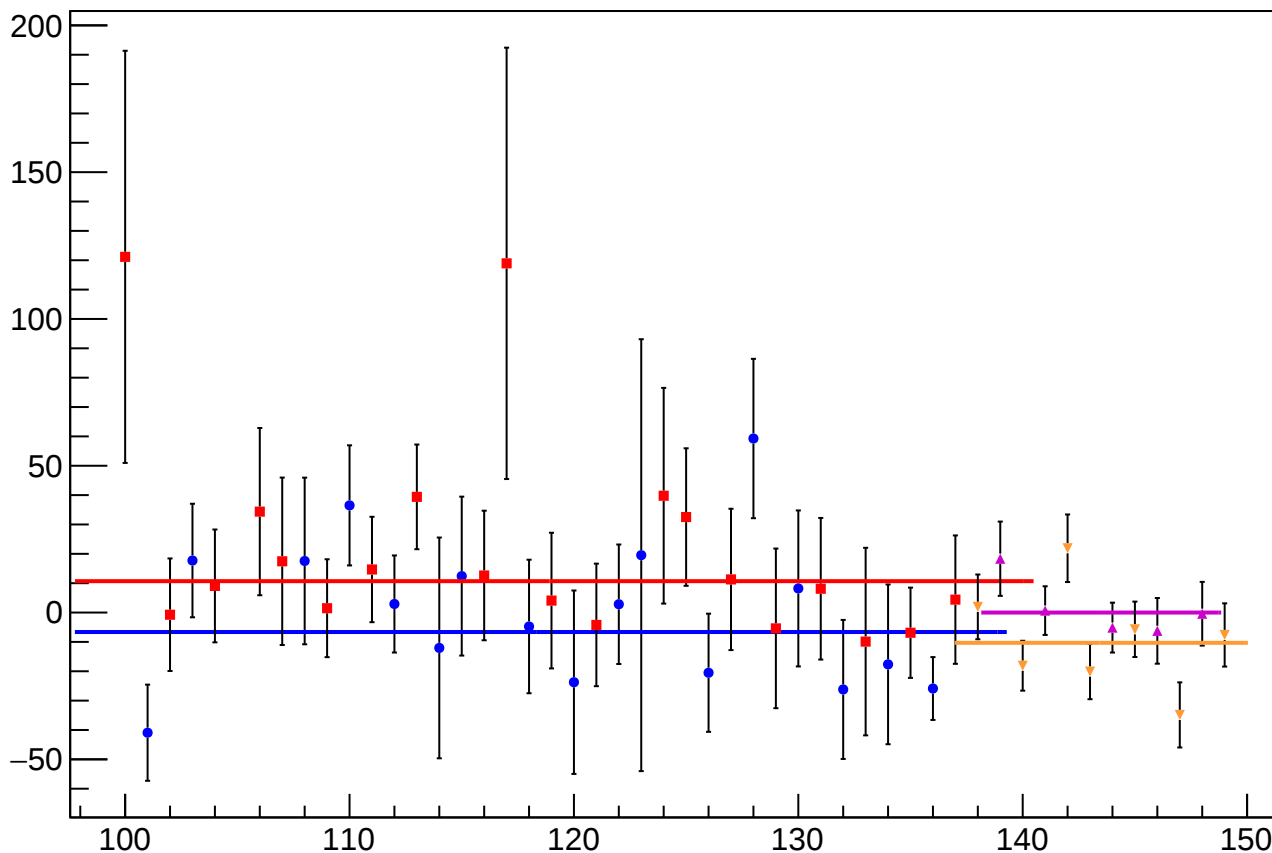
Left In: 7087.785 $\pm$ 2.578 χ^2 /NDF: 373465.4/4

7402.659 $\pm$ 1.573 χ^2 /NDF: 1033204.2/23

7426.362 $\pm$ 1.130 χ^2 /NDF: 2127083.1/48

7451.663 $\pm$ 1.625 χ^2 /NDF: 1093409.3/24

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 $\pm$ 5.101 χ^2/NDF : 23.4/16

Left Out: -10.311 $\pm$ 3.809 χ^2/NDF : 16.2/6

Right Out: 10.688 $\pm$ 5.063 χ^2/NDF : 13.0/19

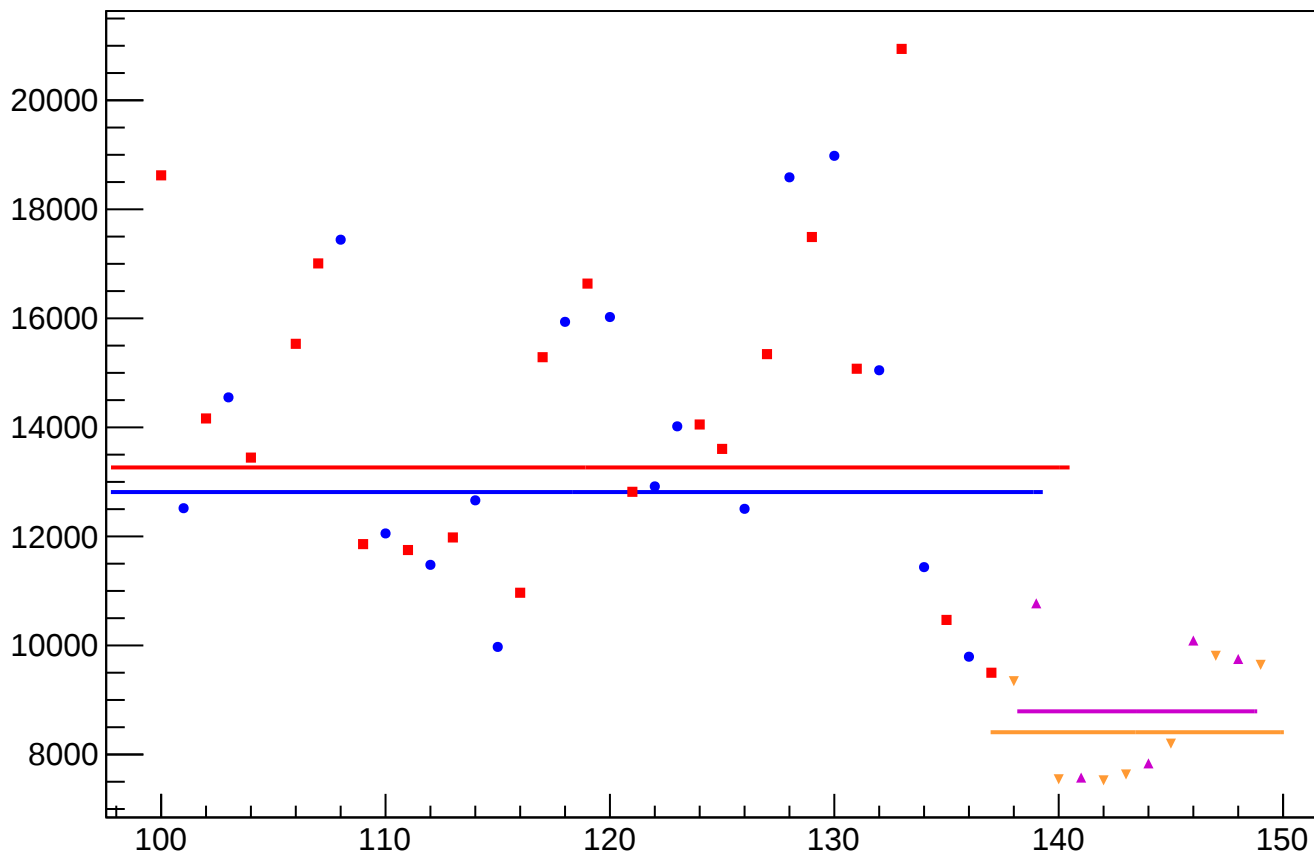
Left In: -0.001 $\pm$ 4.420 χ^2/NDF : 2.8/4

-8.995 $\pm$ 3.052 χ^2/NDF : 39.9/23

-2.777 $\pm$ 2.250 χ^2/NDF : 67.3/48

4.623 $\pm$ 3.330 χ^2/NDF : 18.3/24

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726 $\pm$ 3.607 χ^2 /NDF: 548127.6/16

Left Out: 8408.315 $\pm$ 2.694 χ^2 /NDF:119689.1/6

Right Out: 13265.185 $\pm$ 3.580 χ^2 /NDF: 485810.1/19

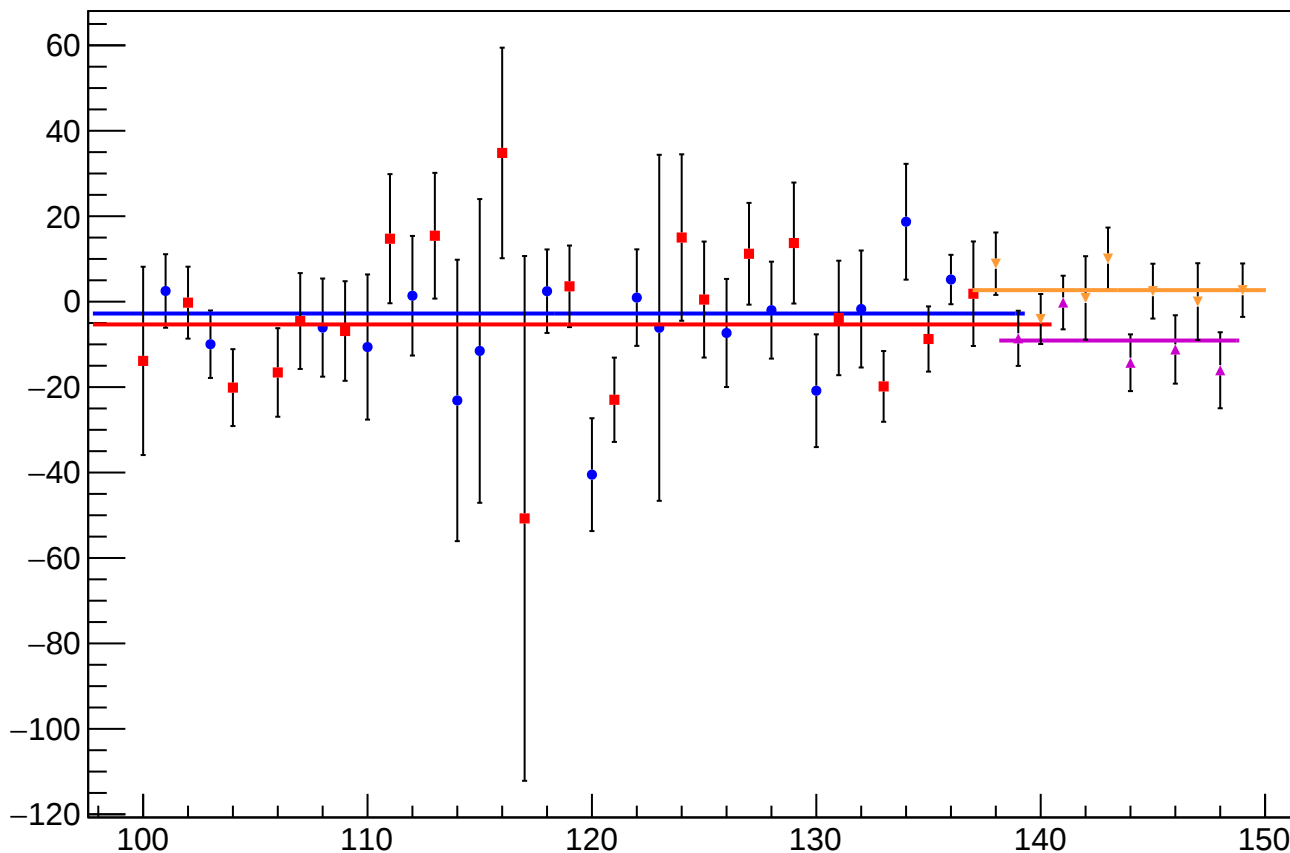
Left In: 8791.366 $\pm$ 3.126 χ^2 /NDF:160019.1/4

9985.490 $\pm$ 2.158 χ^2 /NDF: 1625374.9/23

10323.905 $\pm$ 1.591 χ^2 /NDF: 3211234.0/4

10726.642 $\pm$ 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: 2.697+/-2.676 χ^2 /NDF: 3.2/6

Right Out: -5.332+/-2.587 χ^2 /NDF: 24.1/19

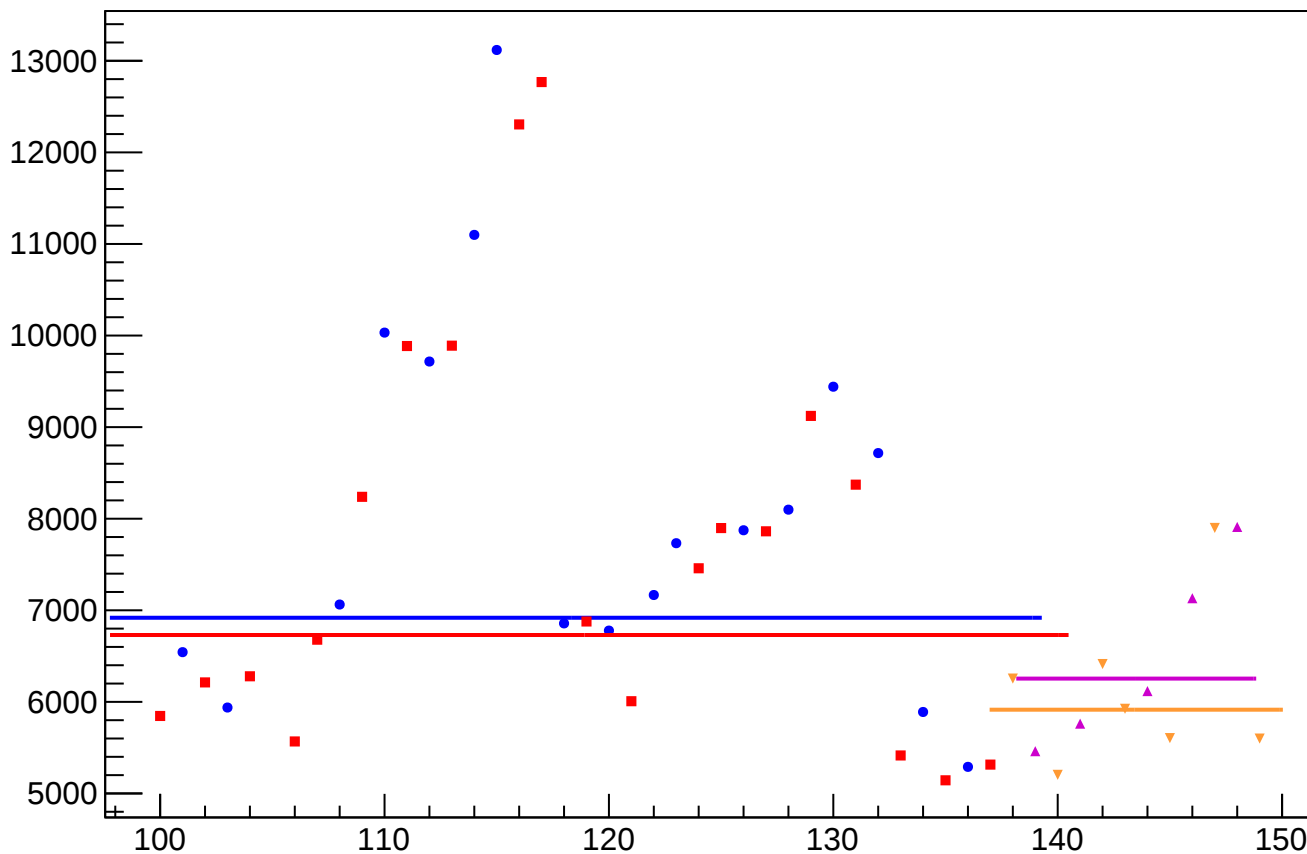
Left In: -9.099+/-3.157 χ^2 /NDF: 3.3/4

0.031+/-1.917 χ^2 /NDF: 22.3/23

-3.260+/-1.384 χ^2 /NDF: 56.7/48

-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: 5914.553 $\pm$ 1.892 χ^2 /NDF: 146453.8/6

Right Out: 6730.137 $\pm$ 1.830 χ^2 /NDF: 673193.1/19

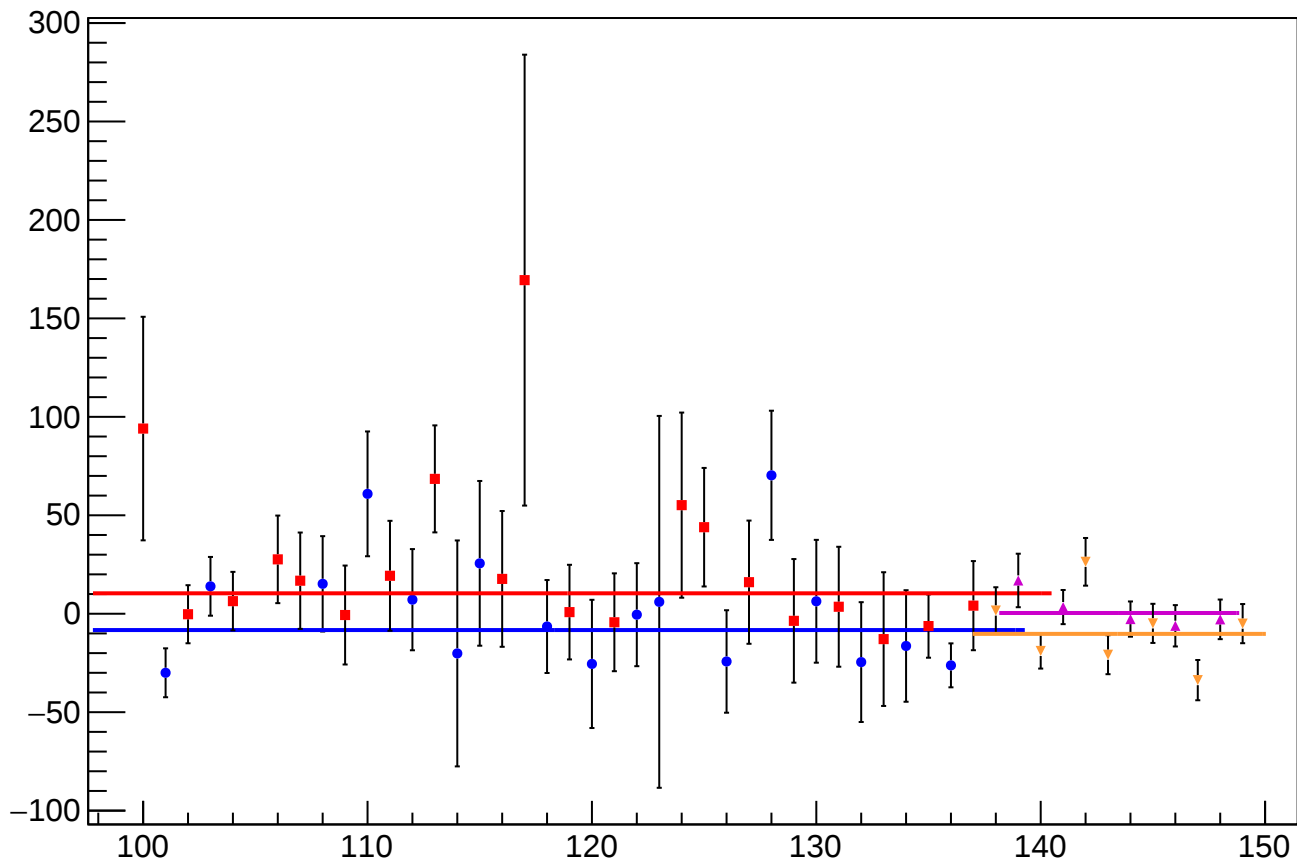
Left In: 6254.196 $\pm$ 2.232 χ^2 /NDF: 136676.6/4

6403.450 $\pm$ 1.356 χ^2 /NDF: 871487.0/23

6468.271 $\pm$ 0.979 χ^2 /NDF: 1713327.0/48

6538.908 $\pm$ 1.415 χ^2 /NDF: 837061.3/24

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -10.229 ± 3.878 $\chi^2/\text{NDF}: 18.1/6$

Right Out: 10.376 ± 5.507 $\chi^2/\text{NDF}: 14.8/19$

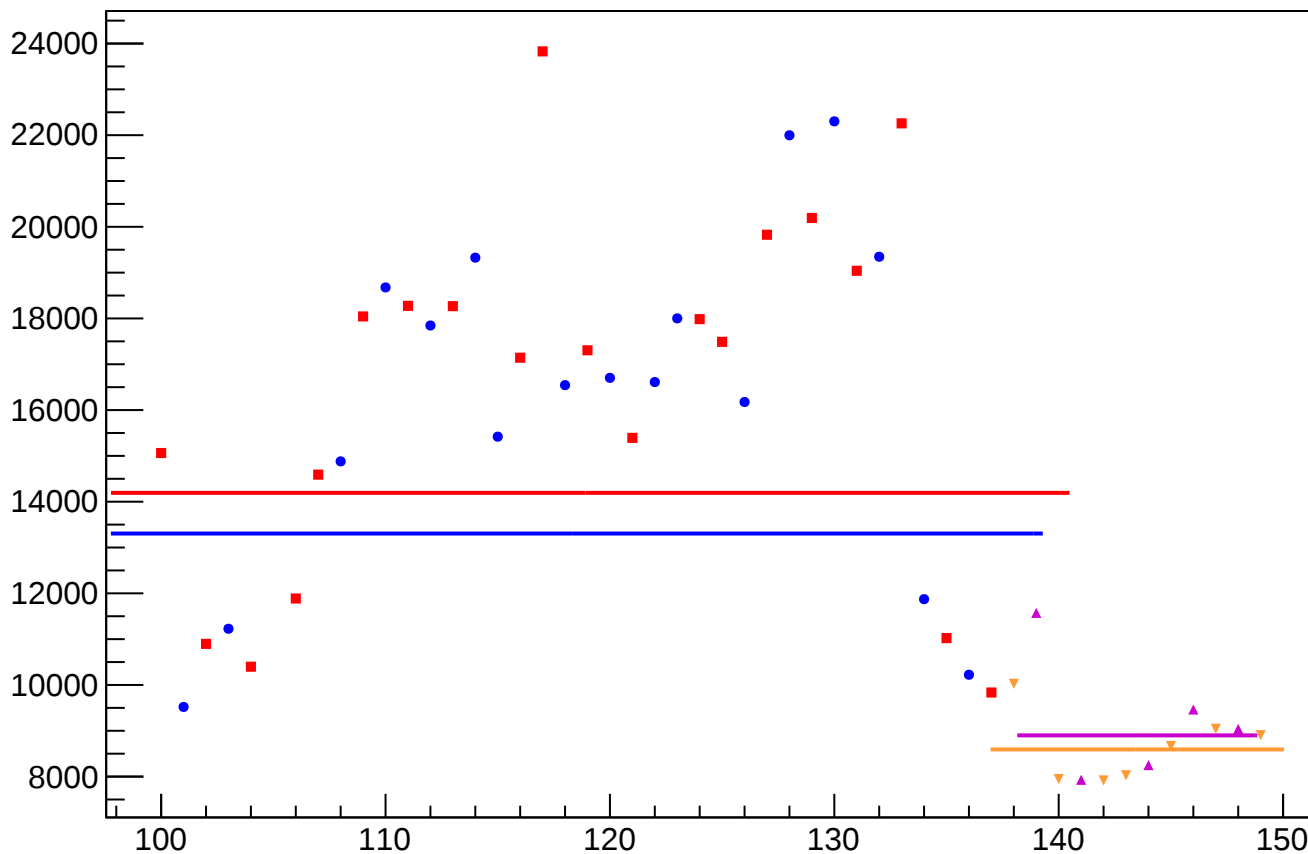
Left In: 0.381 ± 4.464 $\chi^2/\text{NDF}: 2.2/4$

-9.570 ± 3.152 $\chi^2/\text{NDF}: 39.9/23$

-3.275 ± 2.333 $\chi^2/\text{NDF}: 67.7/48$

4.345 ± 3.468 $\chi^2/\text{NDF}: 19.0/24$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2/NDF : 1044091.1/16

Left Out: 8593.077 $\pm$ 2.742 χ^2/NDF :58426.4/6

Right Out: 14193.006 $\pm$ 3.894 χ^2/NDF : 944809.1/19

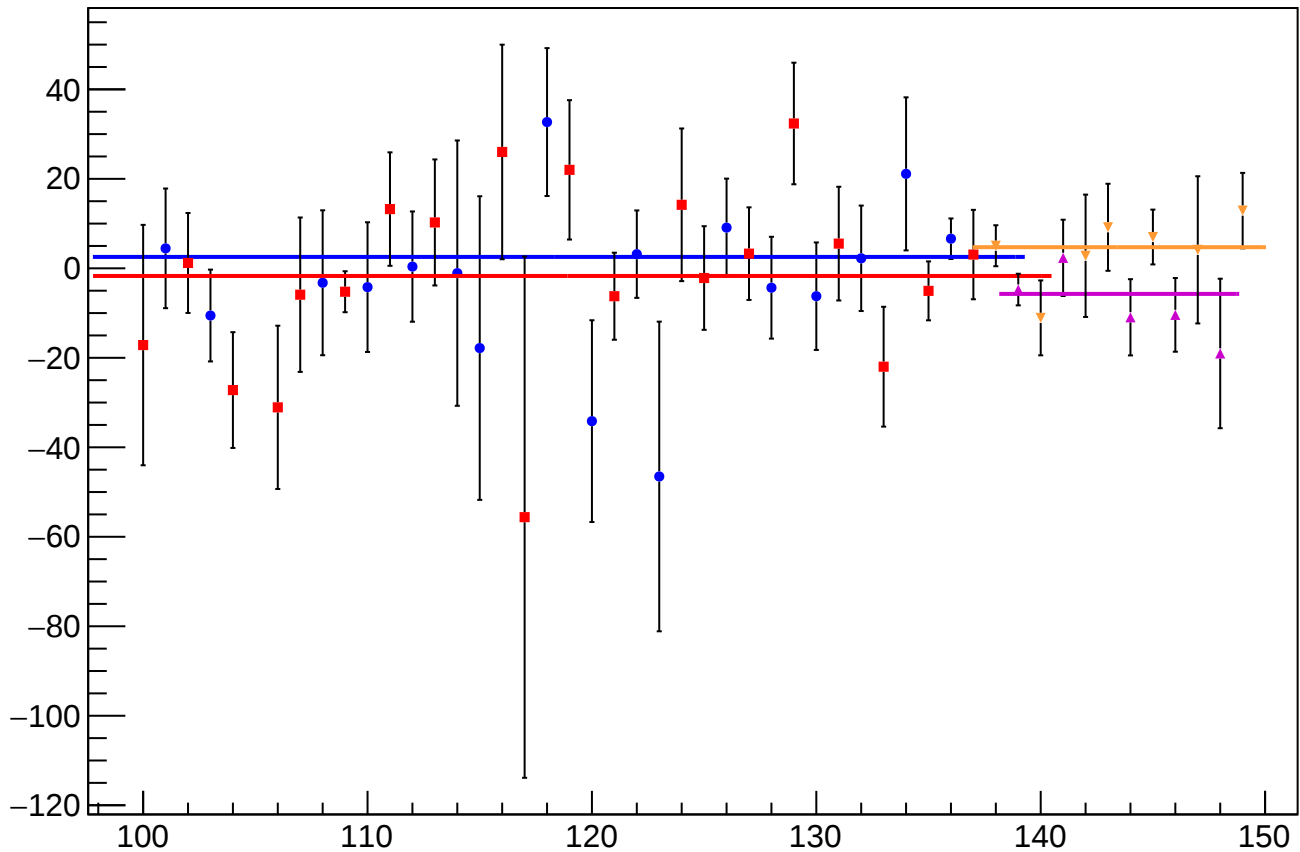
Left In: 8899.673 $\pm$ 3.157 χ^2/NDF :119118.5/4

10192.717 $\pm$ 2.229 χ^2/NDF : 2104789.8/23

10557.459 $\pm$ 1.649 χ^2/NDF : 4343024.1/4

10998.932 $\pm$ 2.452 χ^2/NDF : 2179042.2/24

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 $\pm$ 2.757 χ^2/NDF : 13.6/16

Left Out: 4.725 $\pm$ 2.860 χ^2/NDF : 4.9/6

Right Out: -1.708 $\pm$ 2.440 χ^2/NDF : 24.9/19

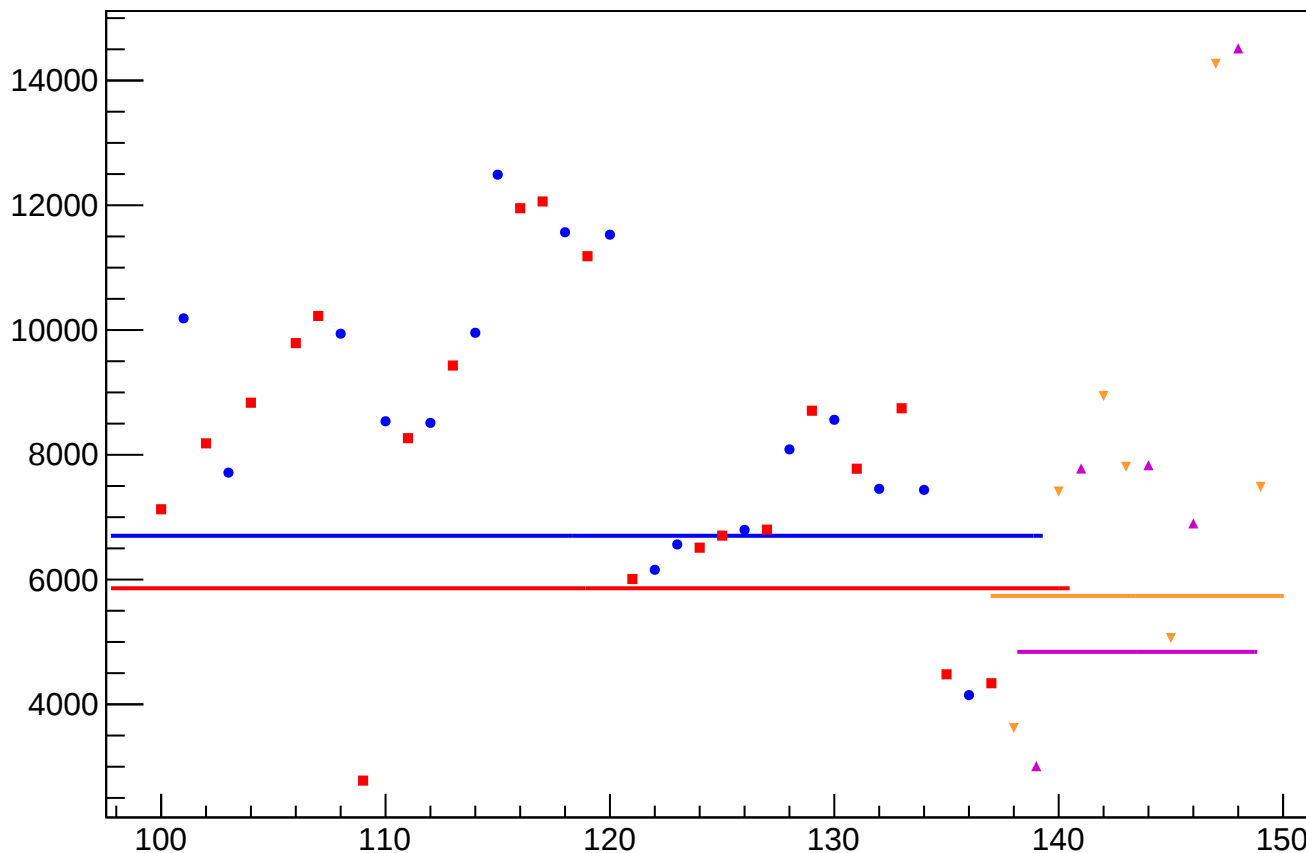
Left In: -5.717 $\pm$ 2.818 χ^2/NDF : 2.3/4

3.598 $\pm$ 1.985 χ^2/NDF : 18.8/23

-0.170 $\pm$ 1.351 χ^2/NDF : 53.8/48

-3.426 $\pm$ 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: 5737.924+/-2.022 χ^2/NDF : 1356379.4/6

Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

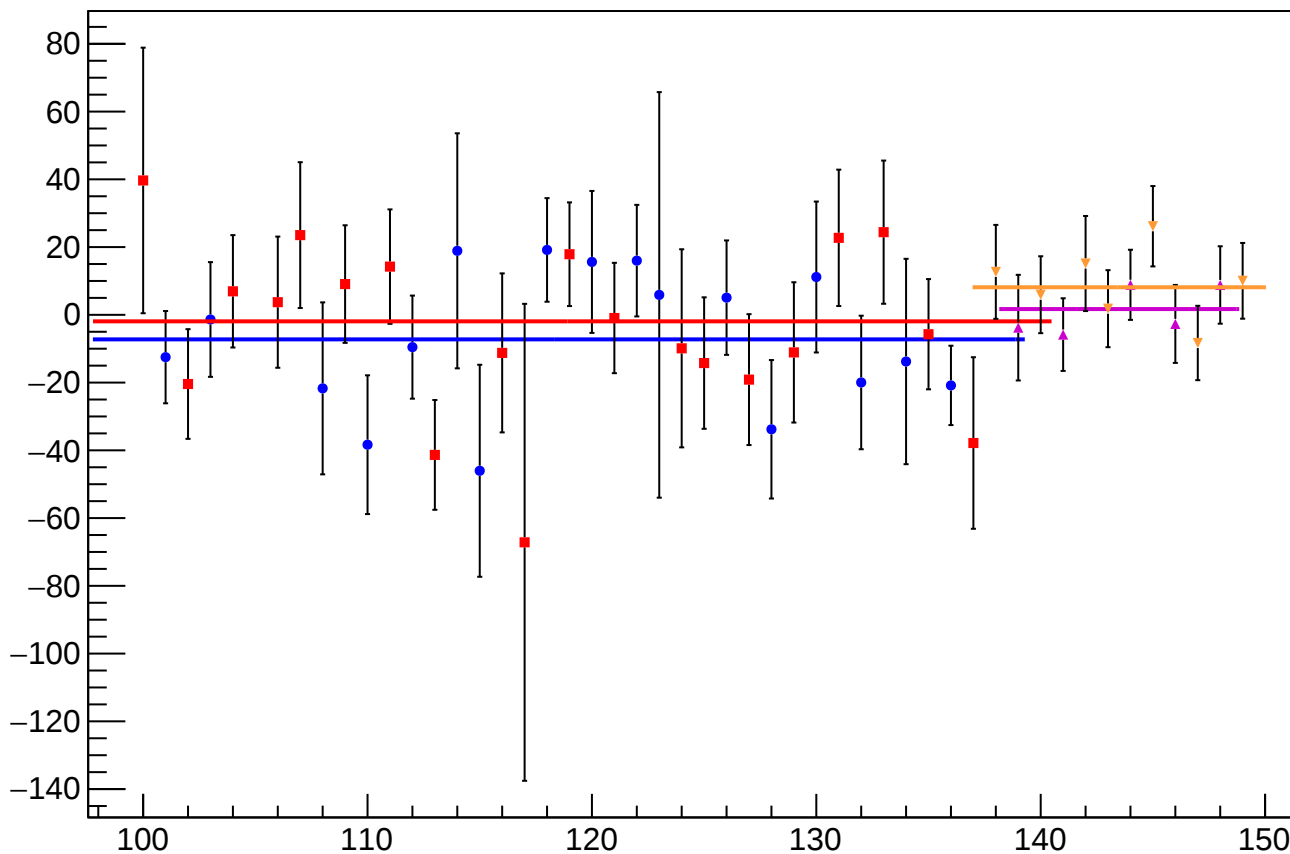
Left In: 4841.449+/-1.993 χ^2/NDF : 1817376.5/4

6237.780+/-1.403 χ^2/NDF : 2864204.3/23

5801.064+/-0.955 χ^2/NDF : 7312679.0/48

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: 8.139 $\pm$ 4.509 χ^2/NDF : 5.3/6

Right Out: -1.922 $\pm$ 4.365 χ^2/NDF : 20.7/19

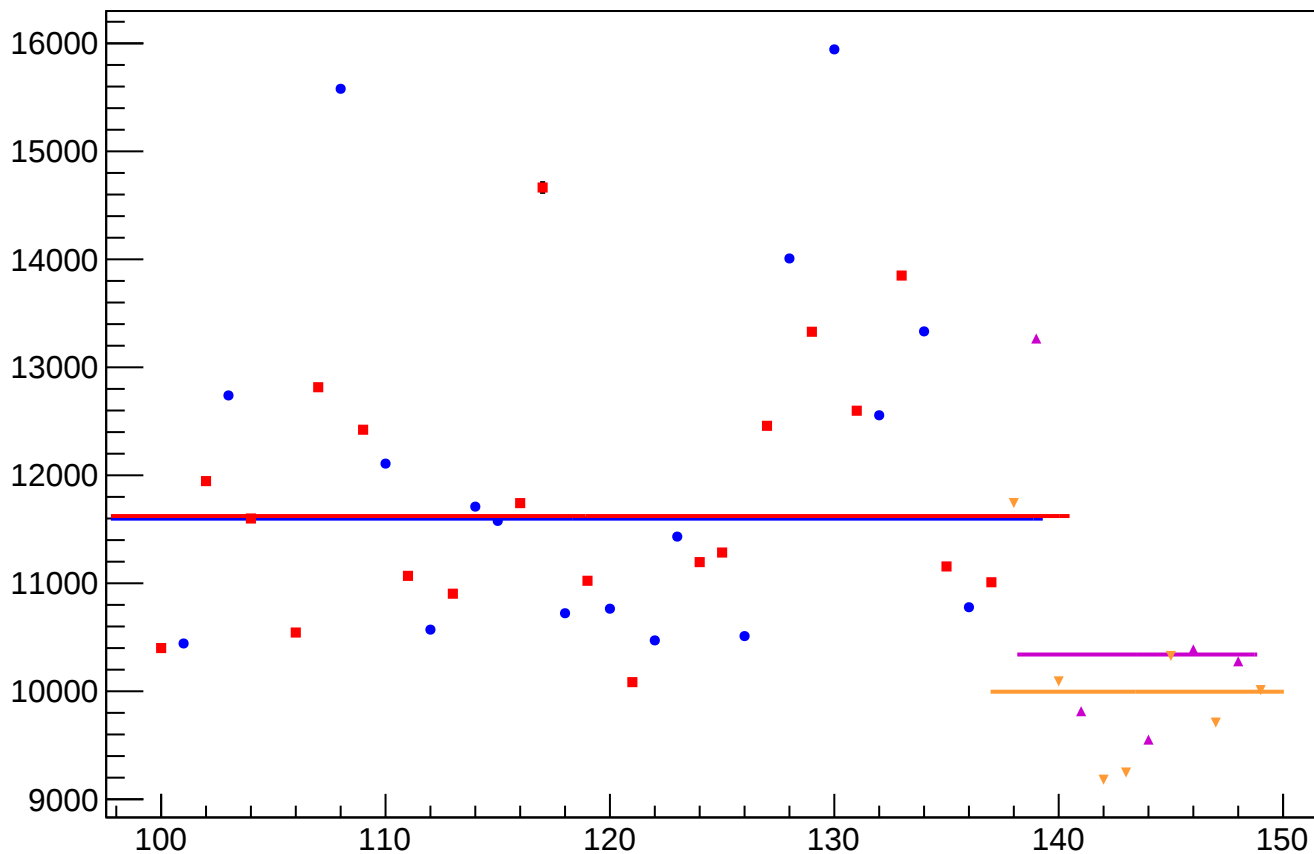
Left In: 1.703 $\pm$ 5.174 χ^2/NDF : 1.6/4

0.511 $\pm$ 3.202 χ^2/NDF : 27.0/23

0.067 $\pm$ 2.310 χ^2/NDF : 49.7/48

-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: 9995.956+/-3.188 χ^2/NDF : 50241.7/6

Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

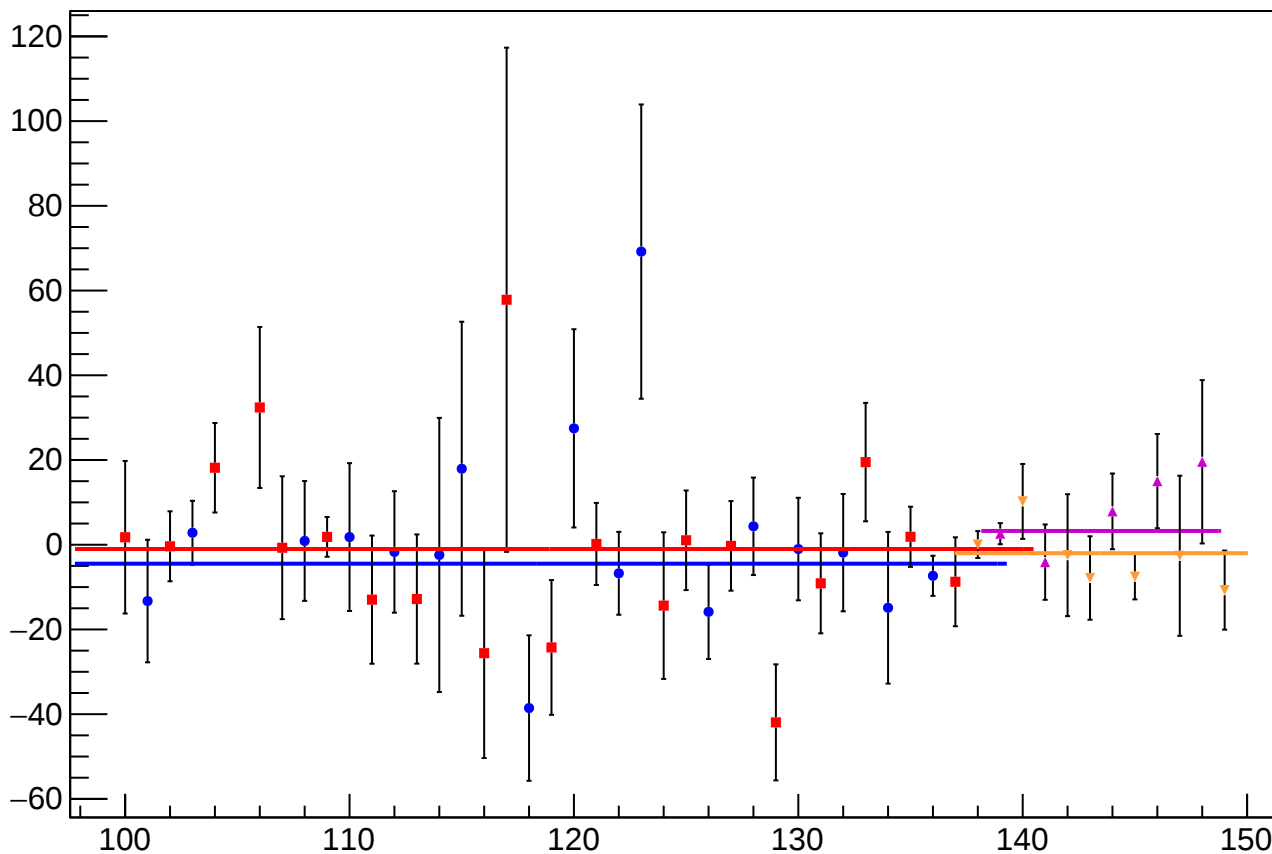
Left In: 10340.337+/-3.659 χ^2/NDF : 86927.0/4

10790.667+/-2.264 χ^2/NDF : 410959.0/23

10933.965+/-1.633 χ^2/NDF : 676215.2/48

11089.548+/-2.359 χ^2/NDF : 256900.2/24

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 $\pm$ 2.782 χ^2/NDF : 14.8/16

Left Out: -1.997 $\pm$ 2.383 χ^2/NDF : 4.6/6

Right Out: -1.007 $\pm$ 2.427 χ^2/NDF : 25.0/19

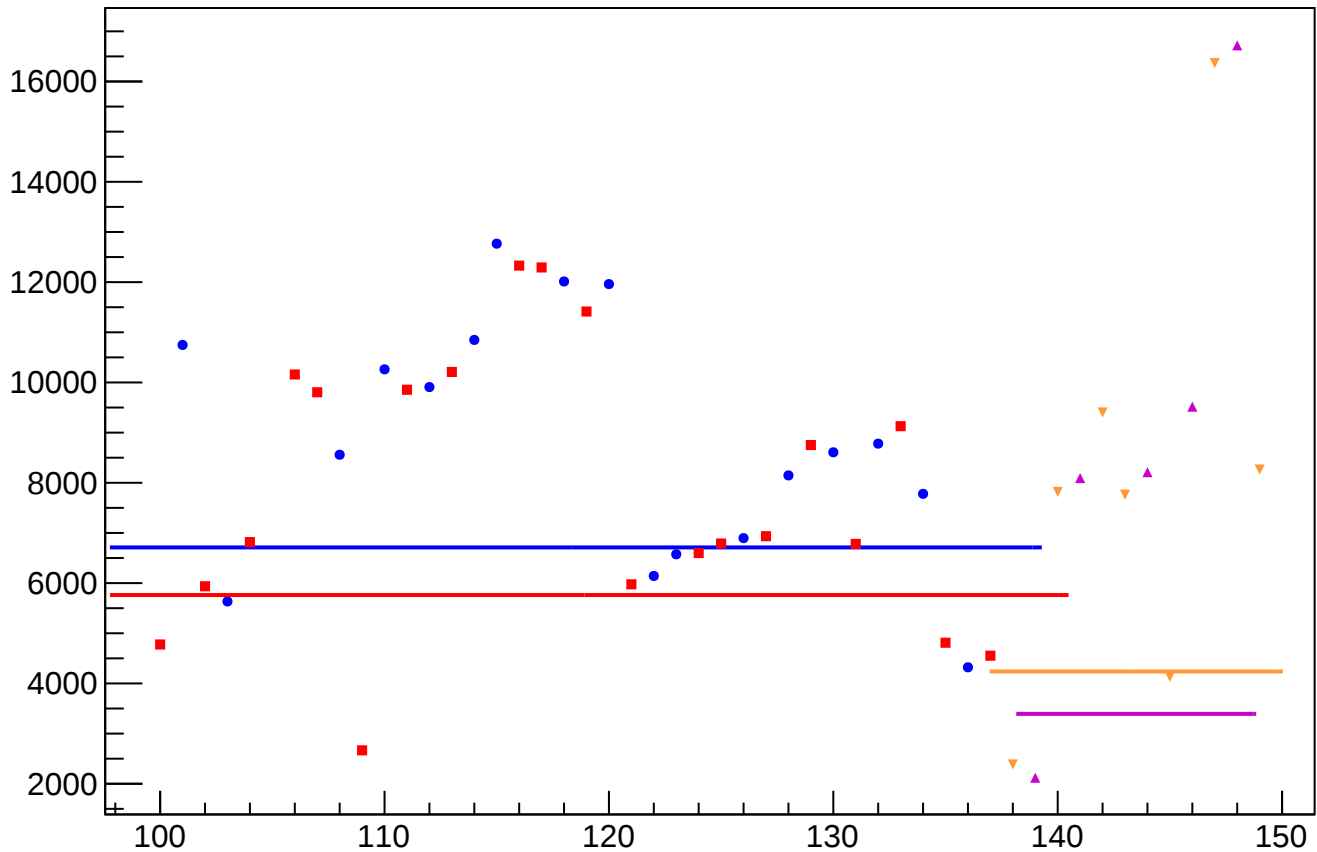
Left In: 3.251 $\pm$ 2.253 χ^2/NDF : 2.9/4

-3.046 $\pm$ 1.810 χ^2/NDF : 19.9/23

-0.685 $\pm$ 1.220 χ^2/NDF : 52.6/48

1.280 $\pm$ 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: 4237.746+/-1.685 χ^2/NDF : 2718637.1/6

Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

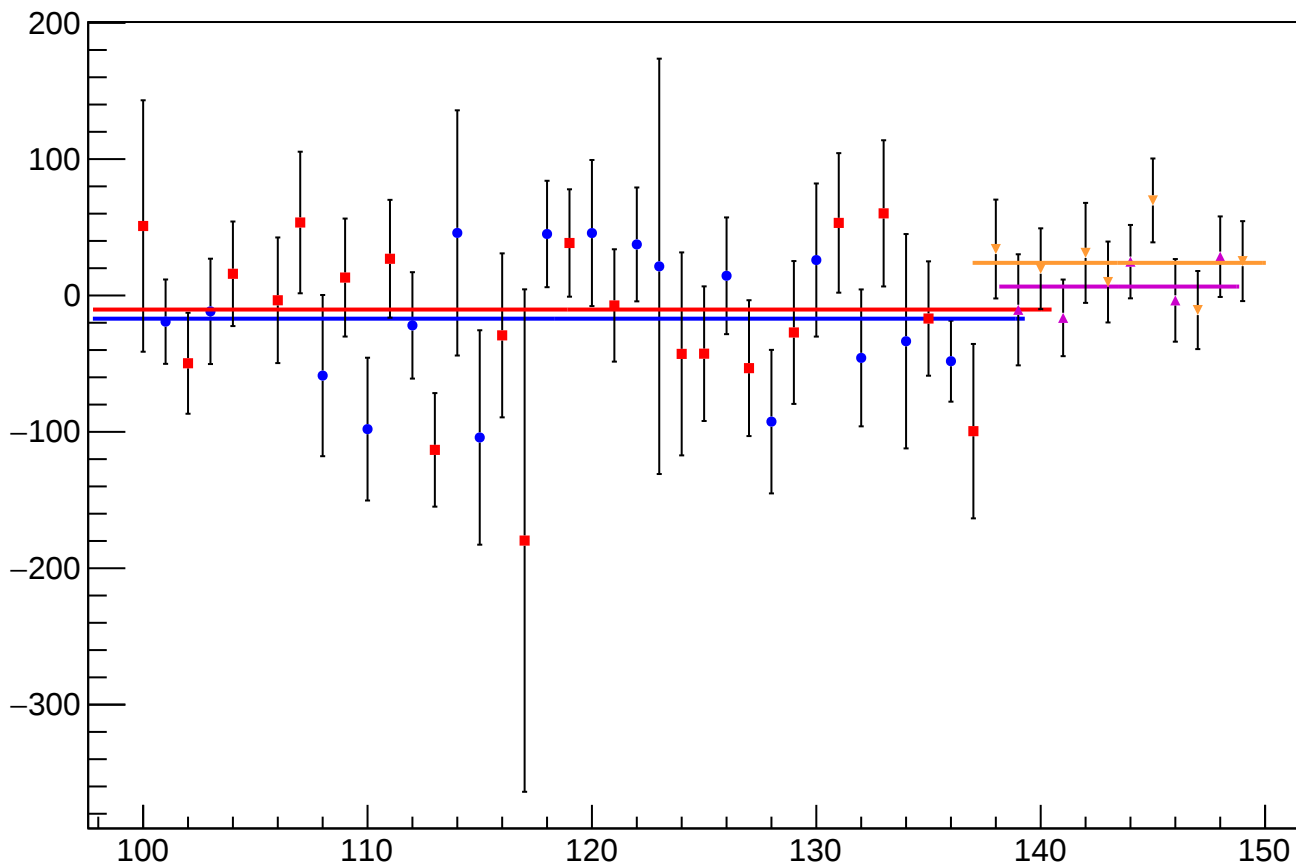
Left In: 3393.205+/-1.593 χ^2/NDF : 3223643.6/4

5284.682+/-1.280 χ^2/NDF : 5077957.8/23

4850.774+/-0.862 χ^2/NDF : 11725454.6/4

4489.603+/-1.167 χ^2/NDF : 6436797.1/24

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 23.923 ± 11.765 χ^2/NDF : 4.0/6

Right Out: -10.311 ± 10.872 χ^2/NDF : 19.9/19

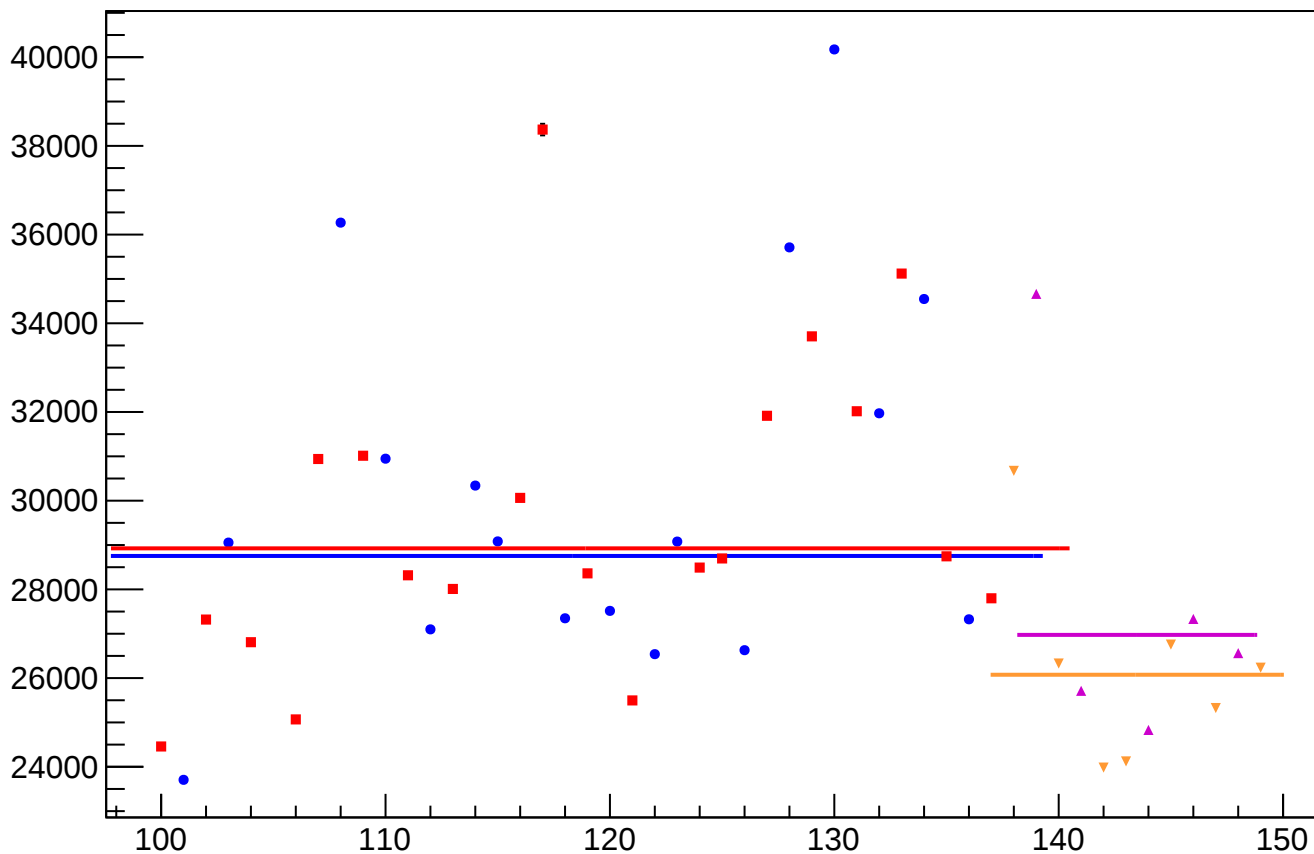
Left In: 6.534 ± 13.499 χ^2/NDF : 2.0/4

2.608 ± 8.145 χ^2/NDF : 25.3/23

-0.416 ± 5.870 χ^2/NDF : 48.4/48

-3.684 ± 8.467 χ^2/NDF : 22.8/24

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787 ± 7.981 $\chi^2/\text{NDF}: 249215.1/16$

Left Out: 26075.190 ± 8.319 $\chi^2/\text{NDF}: 49948.4/6$

Right Out: 28925.160 ± 7.687 $\chi^2/\text{NDF}: 116514.7/19$

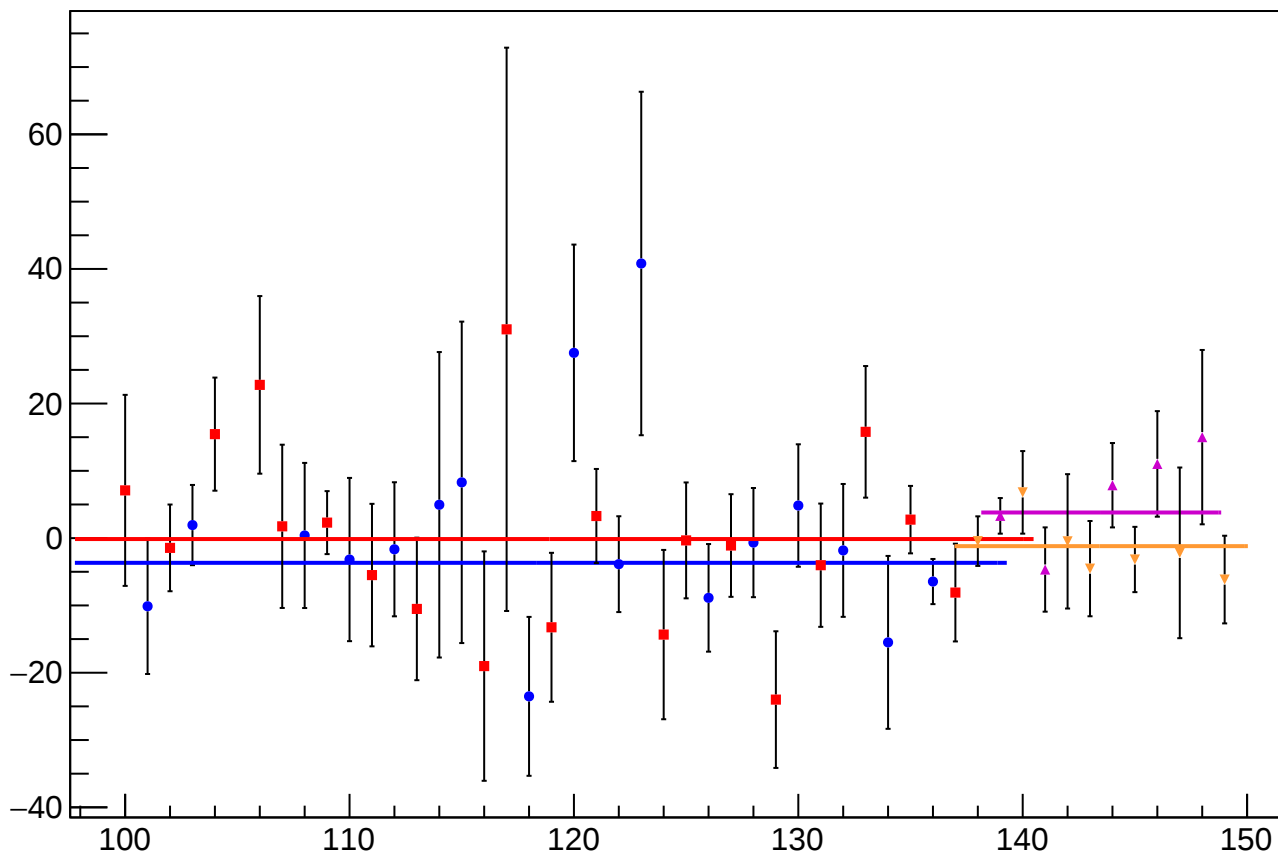
Left In: 26973.897 ± 9.545 $\chi^2/\text{NDF}: 88695.7/4$

27470.012 ± 5.759 $\chi^2/\text{NDF}: 353147.1/23$

27800.413 ± 4.151 $\chi^2/\text{NDF}: 590552.7/48$

28157.473 ± 5.987 $\chi^2/\text{NDF}: 230557.9/24$

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 $\pm$ 2.010 χ^2/NDF : 14.5/16

Left Out: -1.191 $\pm$ 2.222 χ^2/NDF : 2.7/6

Right Out: -0.135 $\pm$ 1.891 χ^2/NDF : 22.9/19

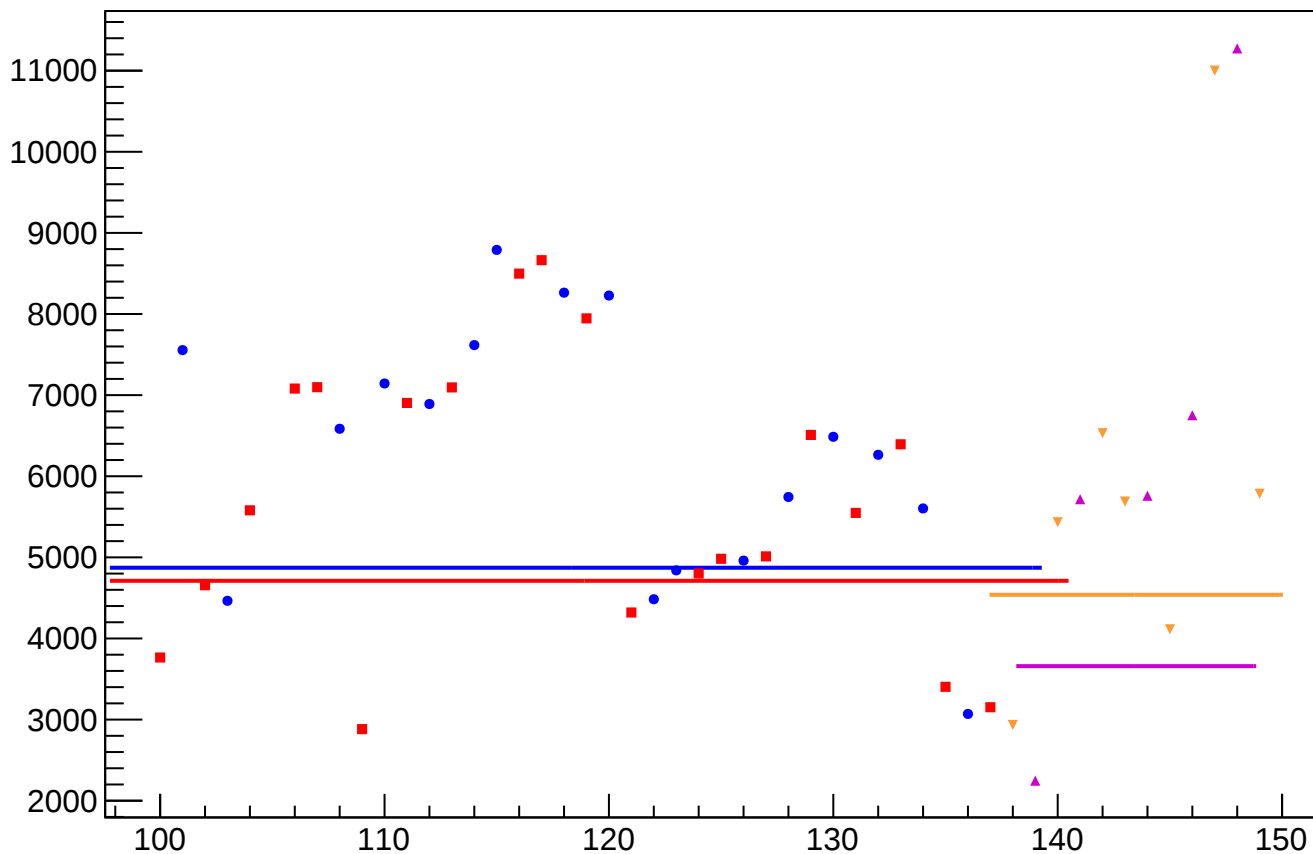
Left In: 3.809 $\pm$ 2.152 χ^2/NDF : 3.9/4

-2.553 $\pm$ 1.491 χ^2/NDF : 17.9/23

-0.385 $\pm$ 1.028 χ^2/NDF : 50.6/48

1.583 $\pm$ 1.420 χ^2/NDF : 28.6/24

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4538.478+/-1.571 χ^2/NDF : 1162165.1/6

Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

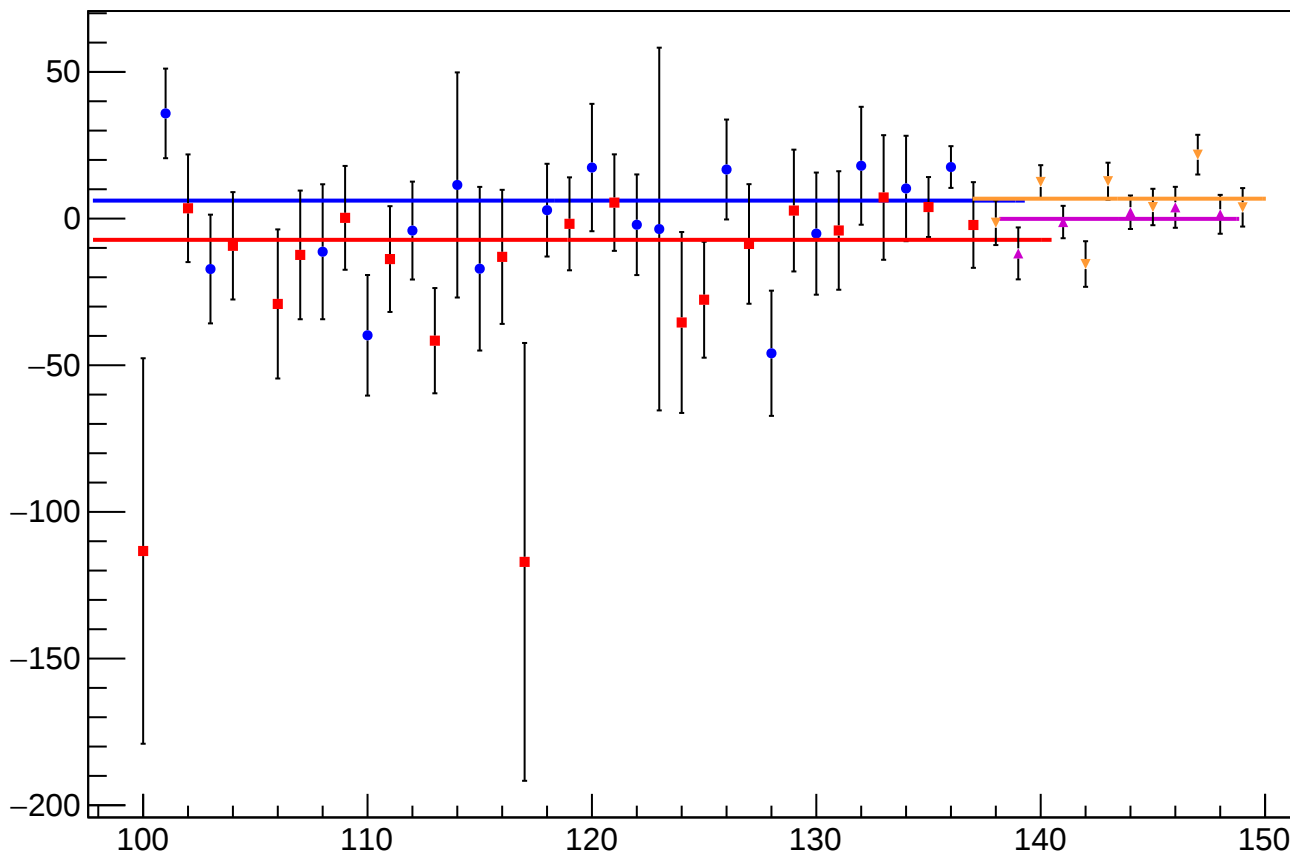
Left In: 3659.021+/-1.522 χ^2/NDF : 2011973.1/4

4721.995+/-1.054 χ^2/NDF : 2592215.8/23

4476.044+/-0.727 χ^2/NDF : 6308458.9/48

4252.720+/-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: 6.784 $\pm$ 2.496 χ^2 /NDF: 16.6/6

Right Out: -7.243 $\pm$ 4.218 χ^2 /NDF: 14.6/19

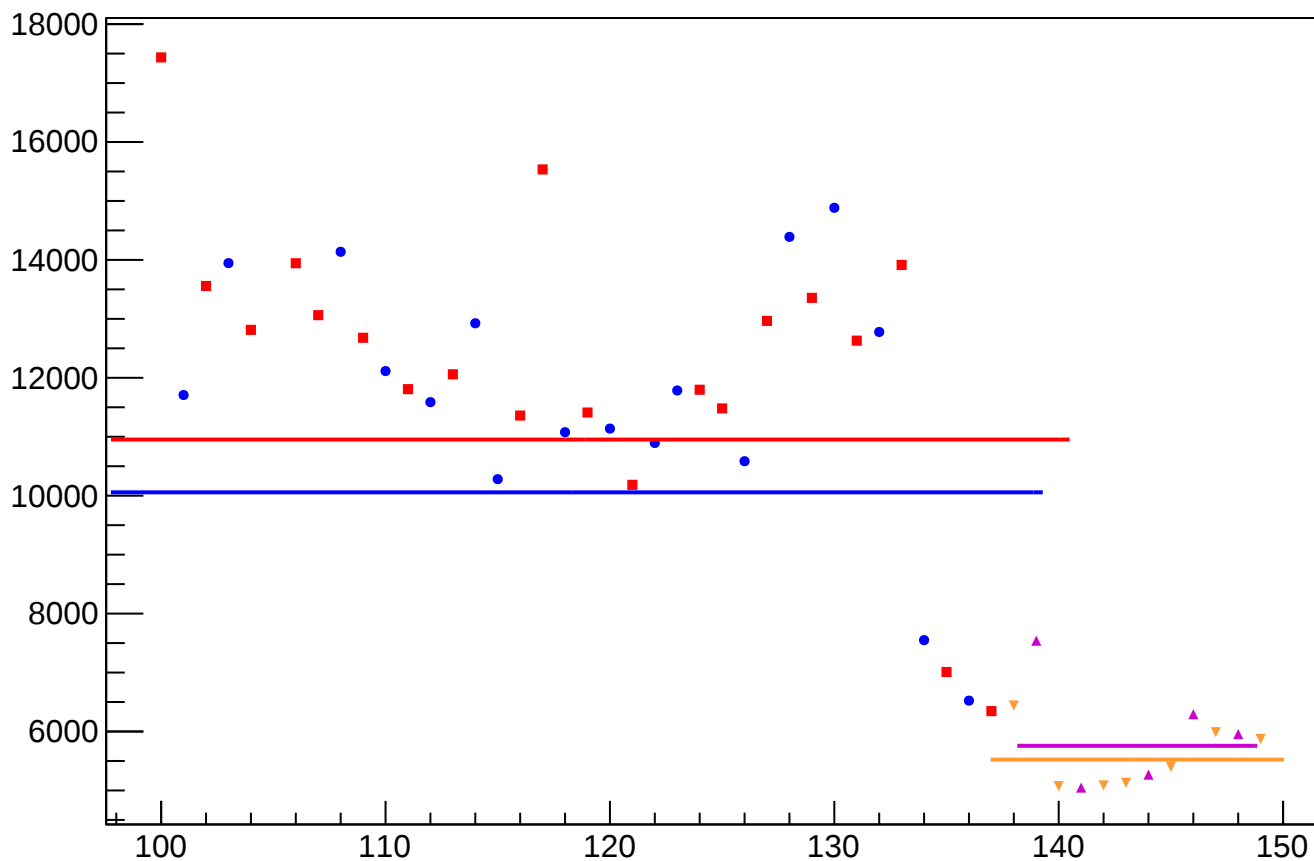
Left In: -0.096 $\pm$ 2.892 χ^2 /NDF: 2.3/4

6.607 $\pm$ 2.129 χ^2 /NDF: 38.8/23

2.620 $\pm$ 1.588 χ^2 /NDF: 65.6/48

-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: 5523.367 $\pm$ 1.765 χ^2/NDF : 71420.3/6

Right Out: 10952.255 $\pm$ 2.982 χ^2/NDF : 770474.3/19

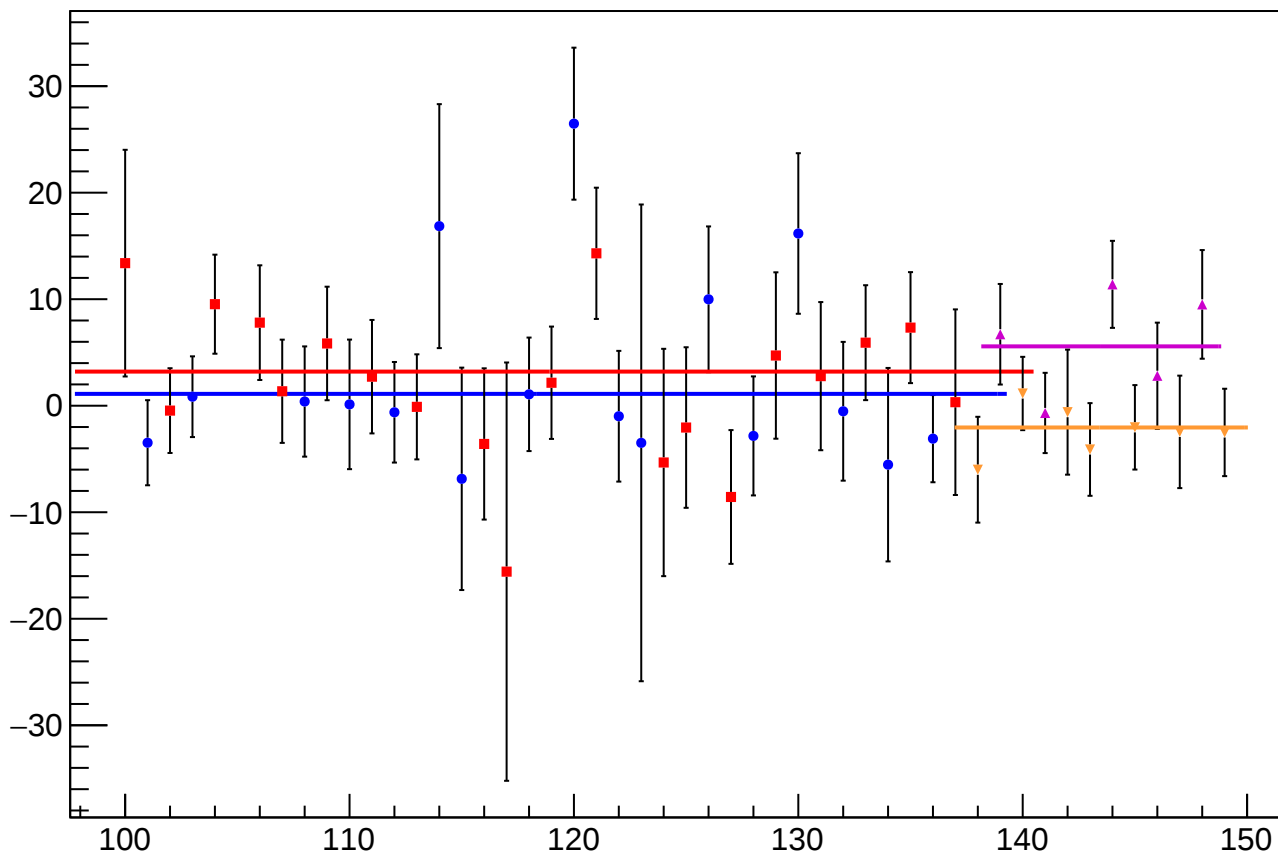
Left In: 5757.245 $\pm$ 2.045 χ^2/NDF : 142288.9/4

6758.125 $\pm$ 1.506 χ^2/NDF : 2871002.2/23

7051.131 $\pm$ 1.123 χ^2/NDF : 5932989.6/48

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: -2.043 $\pm$ 1.653 χ^2/NDF : 1.8/6

Right Out: 3.204 $\pm$ 1.331 χ^2/NDF : 16.0/19

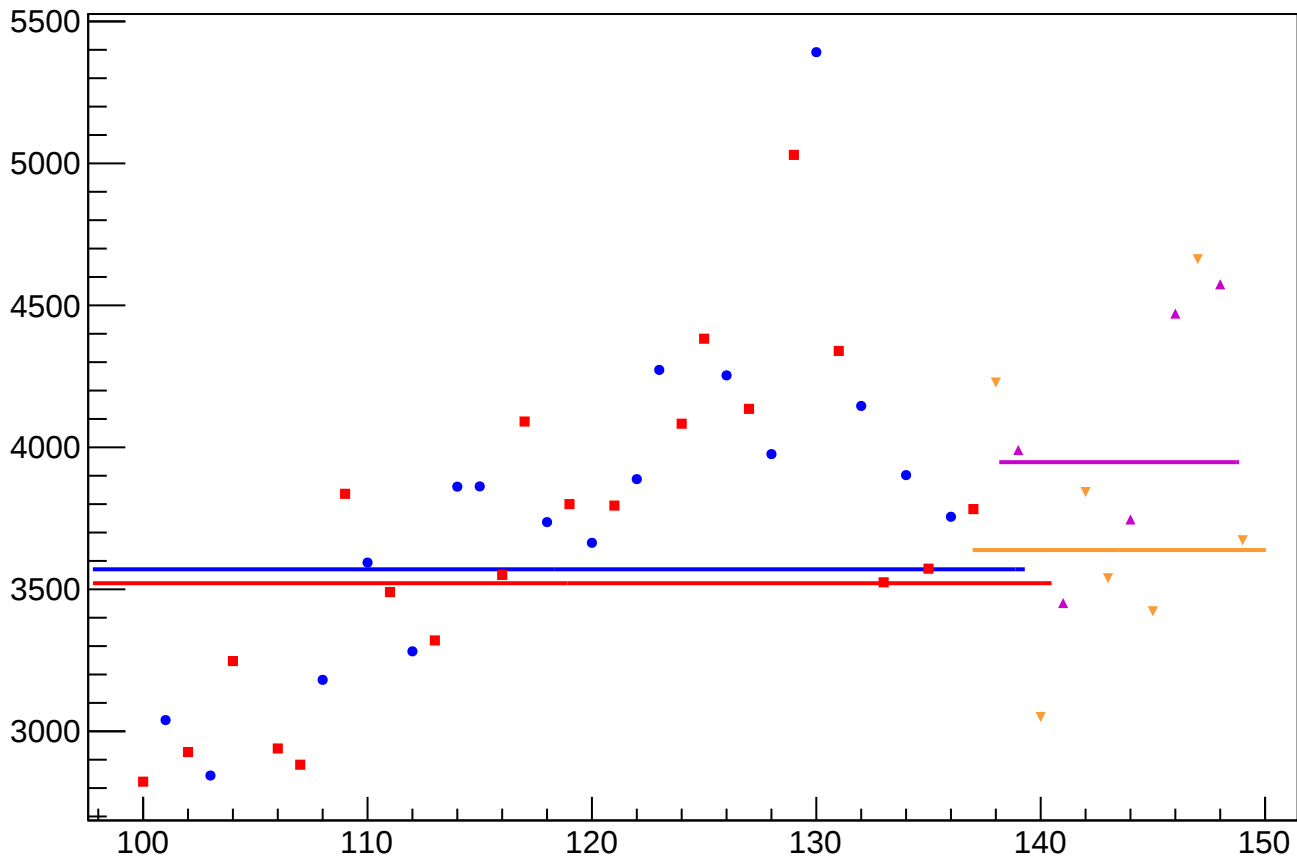
Left In: 5.572 $\pm$ 1.985 χ^2/NDF : 5.7/4

-0.209 $\pm$ 1.070 χ^2/NDF : 28.5/23

1.797 $\pm$ 0.769 χ^2/NDF : 58.5/48

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: 3638.316 $\pm$ 1.169 χ^2/NDF : 171449.4/6

Right Out: 3521.513 $\pm$ 0.941 χ^2/NDF : 295082.3/19

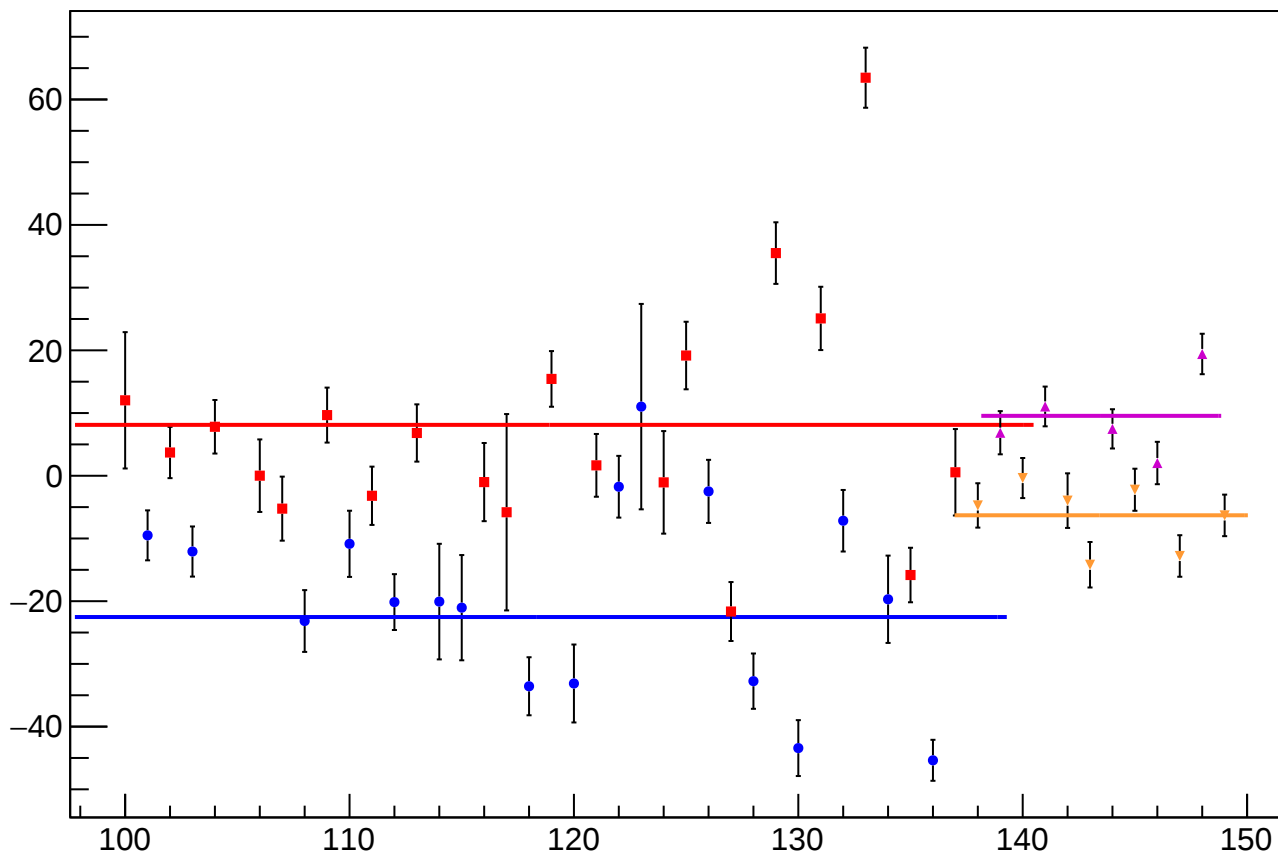
Left In: 3947.760 $\pm$ 1.403 χ^2/NDF : 91917.2/4

3598.873 $\pm$ 0.756 χ^2/NDF : 483106.0/23

3625.386 $\pm$ 0.543 χ^2/NDF : 936293.0/48

3653.687 $\pm$ 0.781 χ^2/NDF : 450646.8/24

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 $\pm$ 1.201 χ^2/NDF : 155.5/16

Left Out: -6.302 $\pm$ 1.316 χ^2/NDF : 14.0/6

Right Out: 8.116 $\pm$ 1.154 χ^2/NDF : 276.6/19

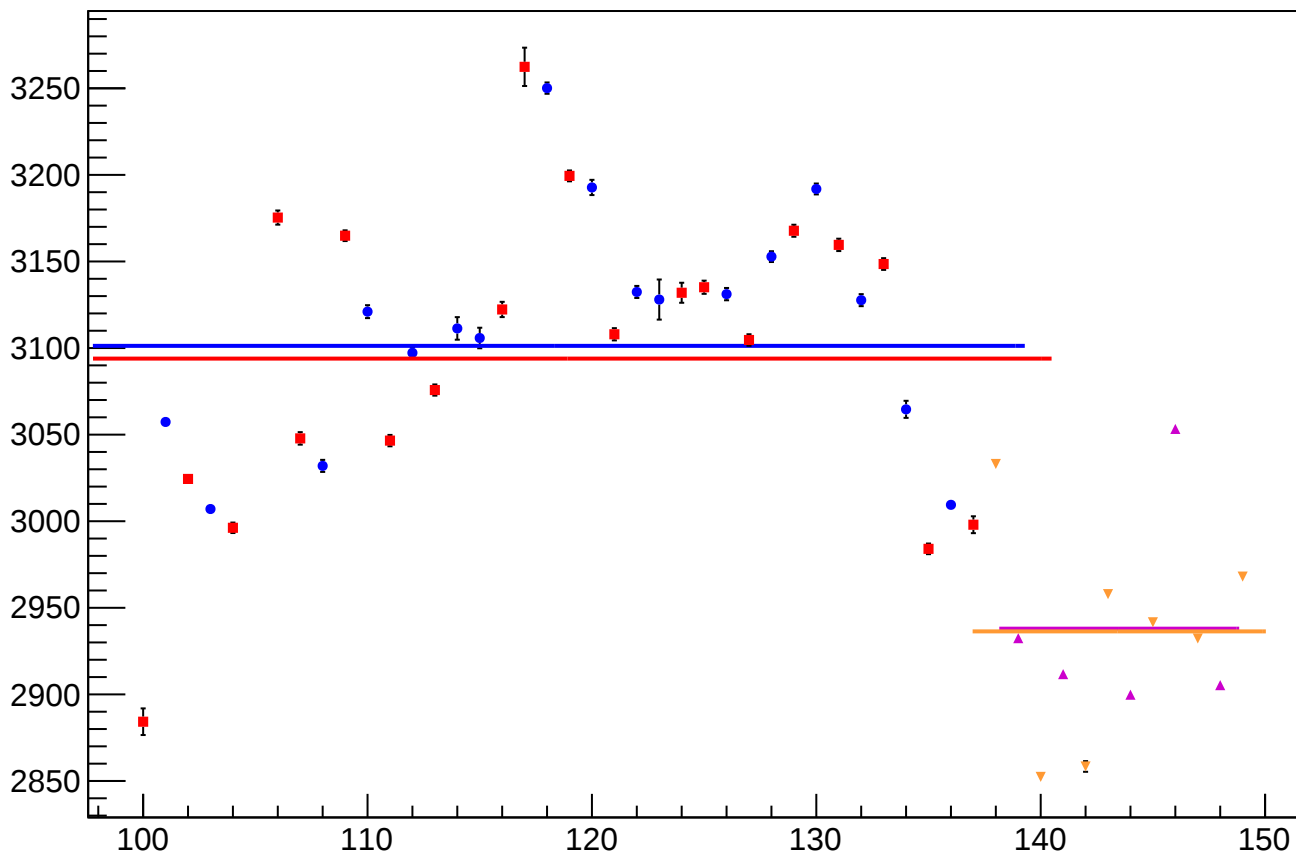
Left In: 9.555 $\pm$ 1.459 χ^2/NDF : 15.6/4

-15.154 $\pm$ 0.887 χ^2/NDF : 252.5/23

-3.484 $\pm$ 0.633 χ^2/NDF : 898.8/48

8.670 $\pm$ 0.905 χ^2/NDF : 292.8/24

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 +/- 0.849 χ^2/NDF : 7233.8/16

Left Out: 2936.382 +/- 0.930 χ^2/NDF : 3779.2/6

Right Out: 3093.913 +/- 0.816 χ^2/NDF : 7998.9/19

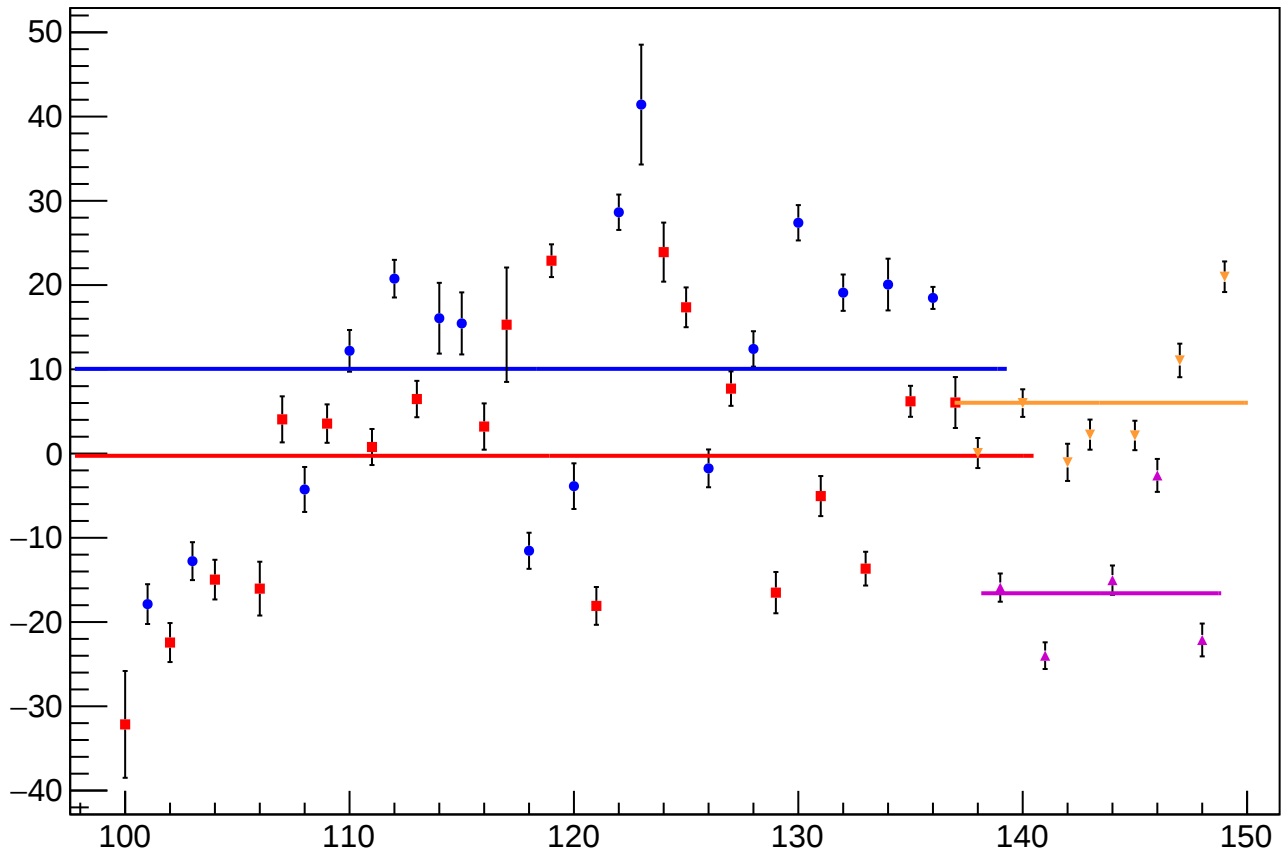
Left In: 2937.946 +/- 1.032 χ^2/NDF : 2974.3/4

3026.349 +/- 0.627 χ^2/NDF : 28155.8/23

3030.050 +/- 0.448 χ^2/NDF : 53262.4/48

3033.905 +/- 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: 6.030+/-0.692 χ^2 /NDF: 105.1/6

Right Out: -0.266+/-0.545 χ^2 /NDF: 635.1/19

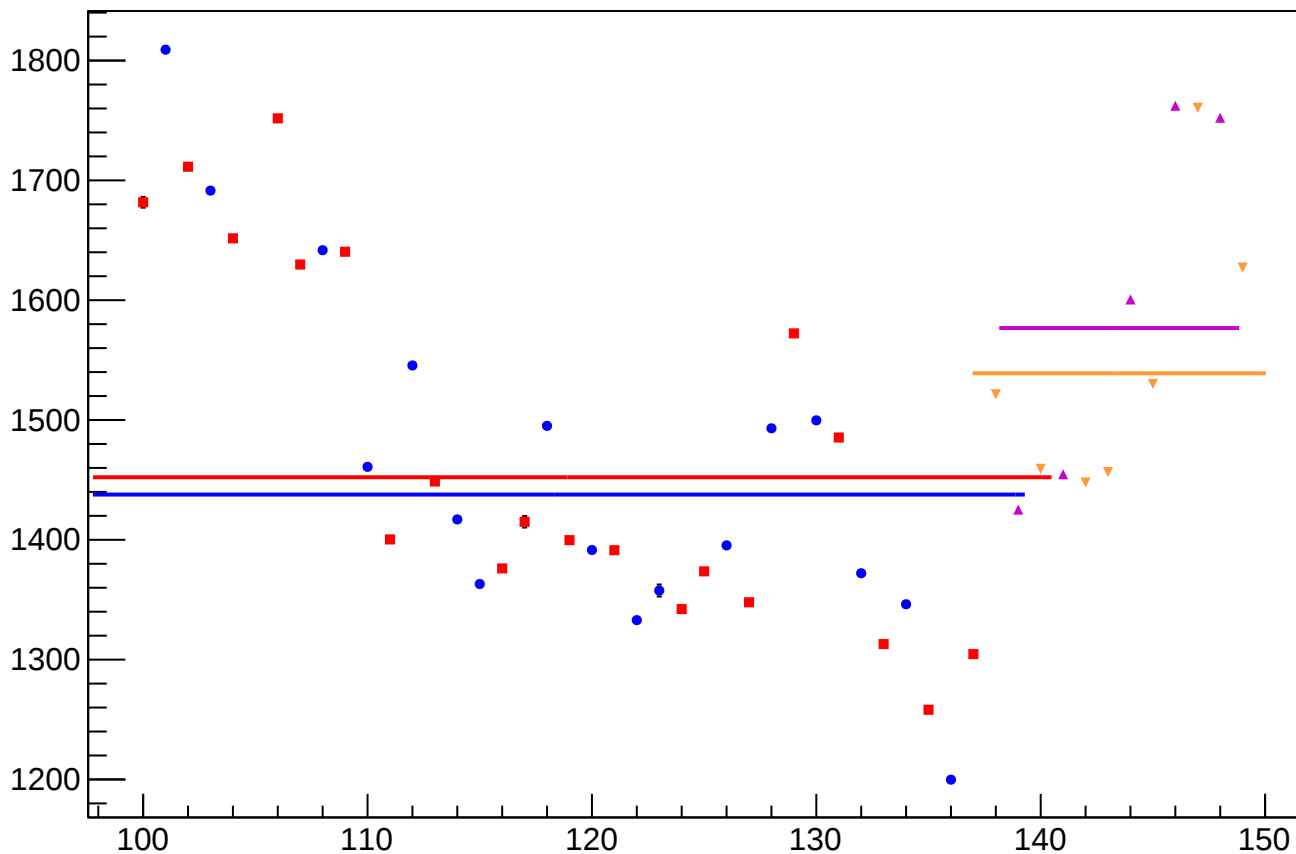
Left In: -16.584+/-0.788 χ^2 /NDF: 82.1/4

8.457+/-0.436 χ^2 /NDF: 817.7/23

1.648+/-0.313 χ^2 /NDF: 2326.3/48

-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: 1538.982 $\pm$ 0.489 χ^2/NDF : 42119.7/6

Right Out: 1452.227 $\pm$ 0.386 χ^2/NDF : 138666.1/19

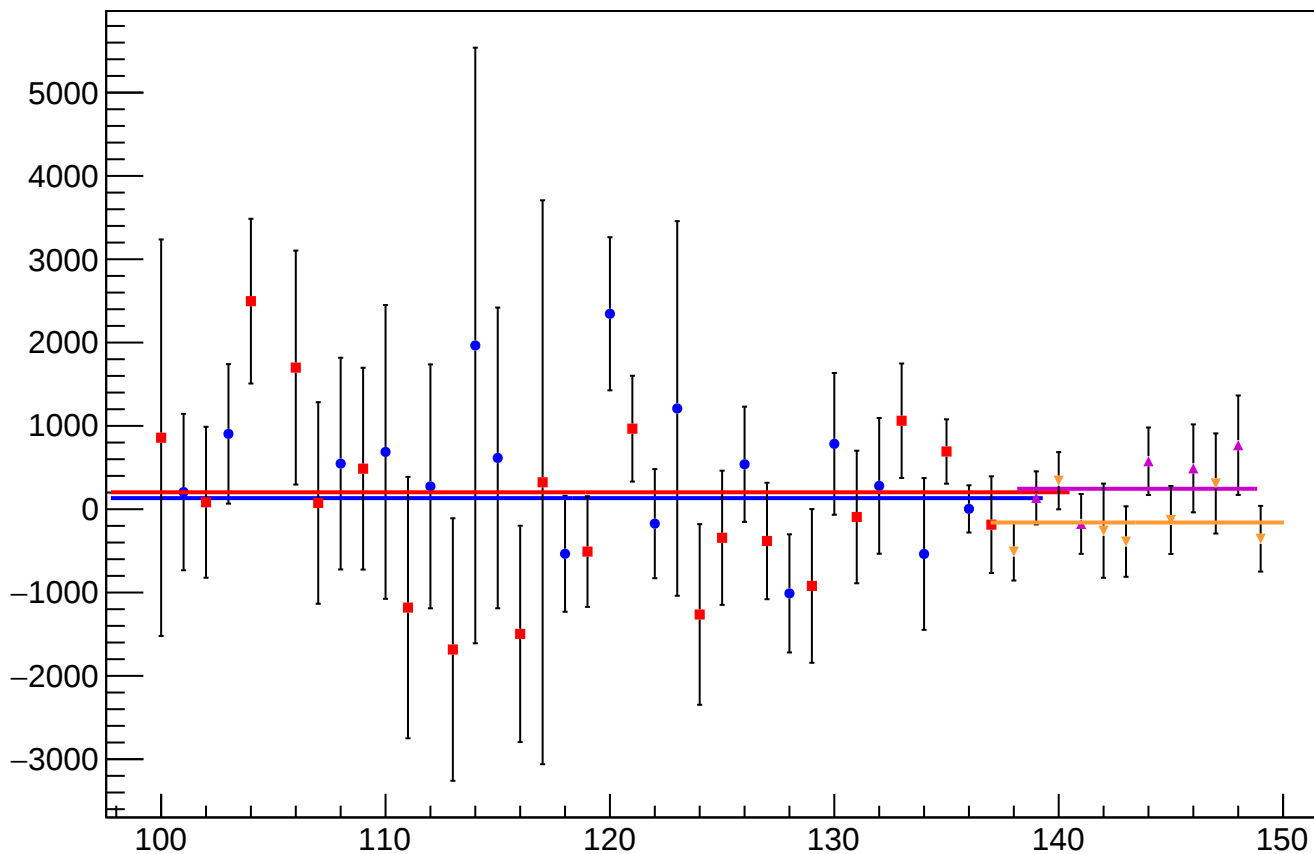
Left In: 1576.758 $\pm$ 0.557 χ^2/NDF : 62858.9/4

1477.965 $\pm$ 0.308 χ^2/NDF : 241123.3/23

1485.056 $\pm$ 0.221 χ^2/NDF : 477515.9/48

1492.552 $\pm$ 0.317 χ^2/NDF : 235304.9/24

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 ± 180.271 χ^2/NDF : 12.9/16

Left Out: -159.651 ± 156.714 χ^2/NDF : 4.3/6

Right Out: 203.418 ± 184.080 χ^2/NDF : 21.4/19

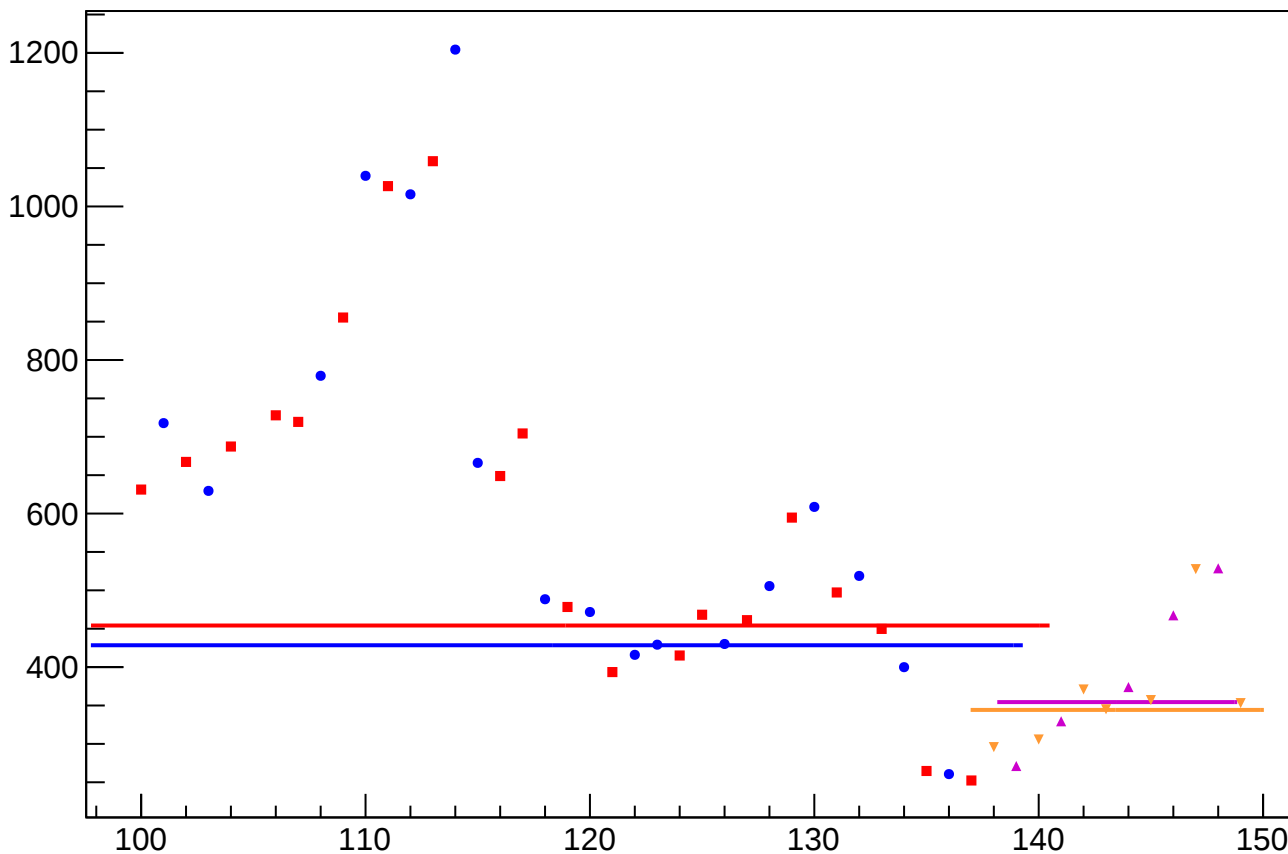
Left In: 245.403 ± 182.194 χ^2/NDF : 3.1/4

-33.718 ± 118.271 χ^2/NDF : 18.7/23

83.778 ± 87.328 χ^2/NDF : 45.5/48

224.627 ± 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: 344.238 $\pm$ 0.111 χ^2 /NDF: 257792.8/6

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

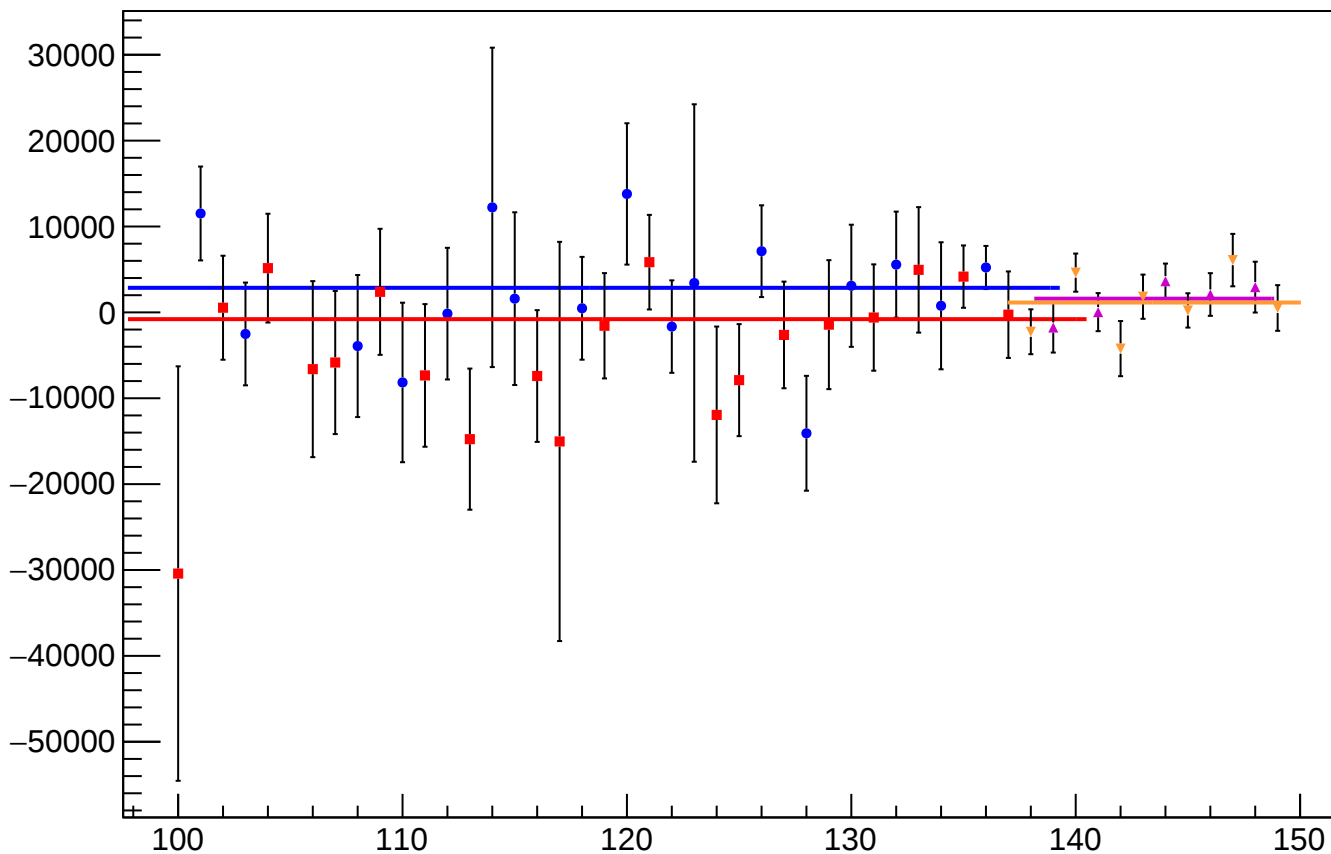
Left In: 354.425 $\pm$ 0.129 χ^2 /NDF: 413304.8/4

380.490 $\pm$ 0.084 χ^2 /NDF: 2517890.1/23

391.086 $\pm$ 0.062 χ^2 /NDF: 5303941.8/48

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: 1146.552 $\pm$ 955.053 χ^2/NDF :9.9/6

Right Out: -789.608 $\pm$ -1506.053 χ^2/NDF : 14.4/19

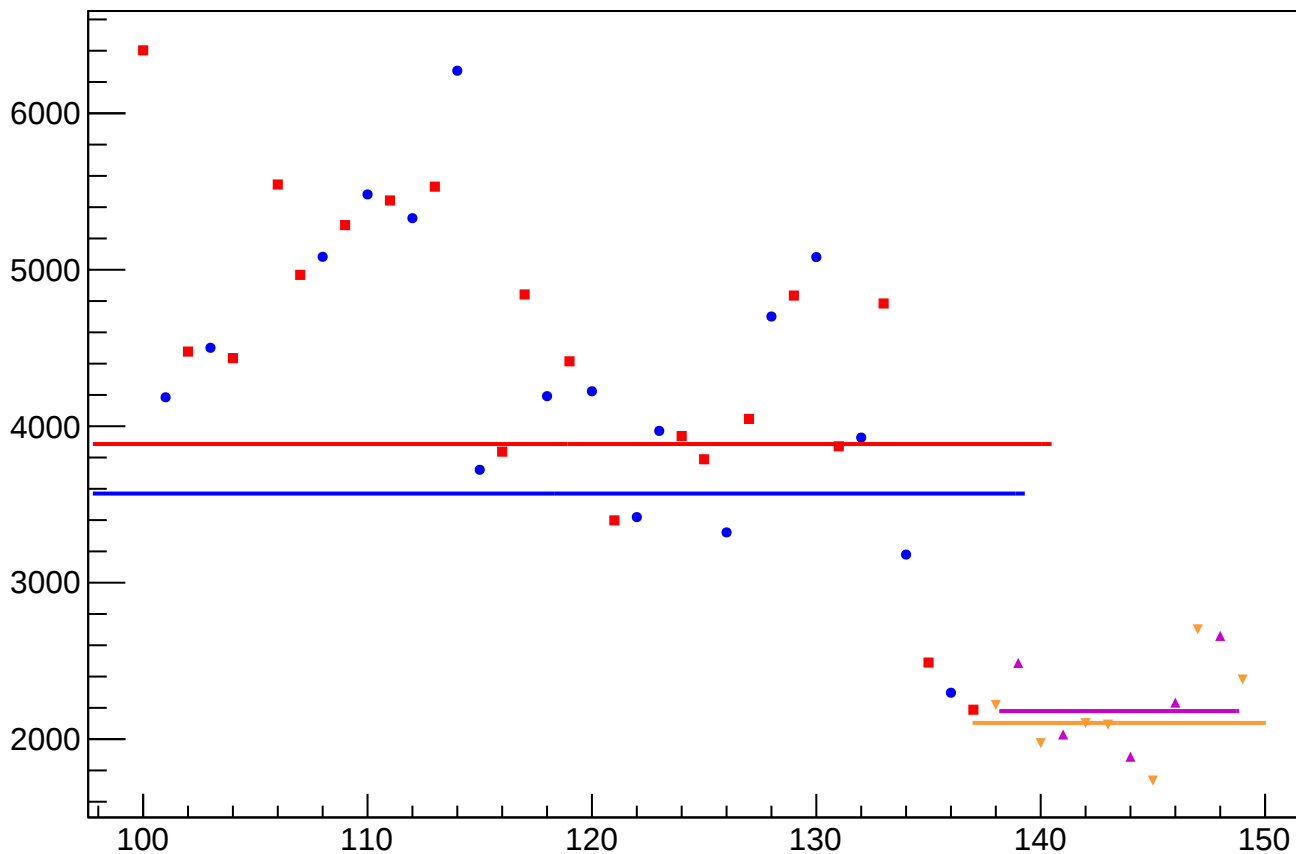
Left In: 1598.103 $\pm$ -1094.935 χ^2/NDF :3.0/4

1665.927 $\pm$ -797.235 χ^2/NDF : 27.5/23

1265.987 $\pm$ -592.521 χ^2/NDF : 47.2/48

772.455 $\pm$ -885.619 χ^2/NDF : 19.1/24

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2103.572+/-0.675 χ^2/NDF : 177156.0/6

Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

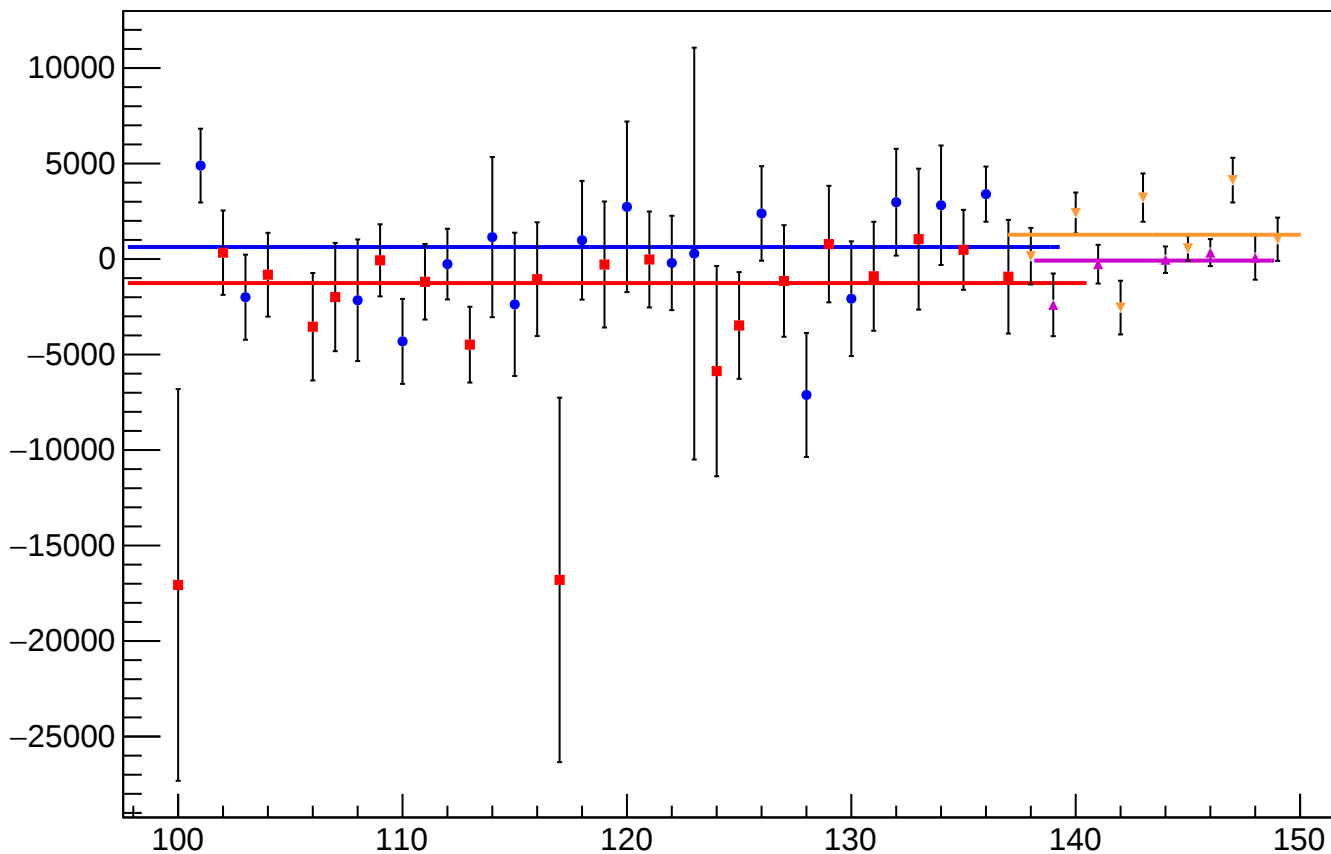
Left In: 2179.587+/-0.774 χ^2/NDF : 125365.7/4

2548.057+/-0.564 χ^2/NDF : 2693933.4/23

2647.278+/-0.419 χ^2/NDF : 5555095.2/48

2769.718+/-0.626 χ^2/NDF : 2791955.1/24

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 ± 620.929 $\chi^2/\text{NDF}: 25.1/16$

Left Out: 1270.881 ± 397.324 $\chi^2/\text{NDF}: 18.6/6$

Right Out: -1257.467 ± 601.857 $\chi^2/\text{NDF}: 12.6/19$

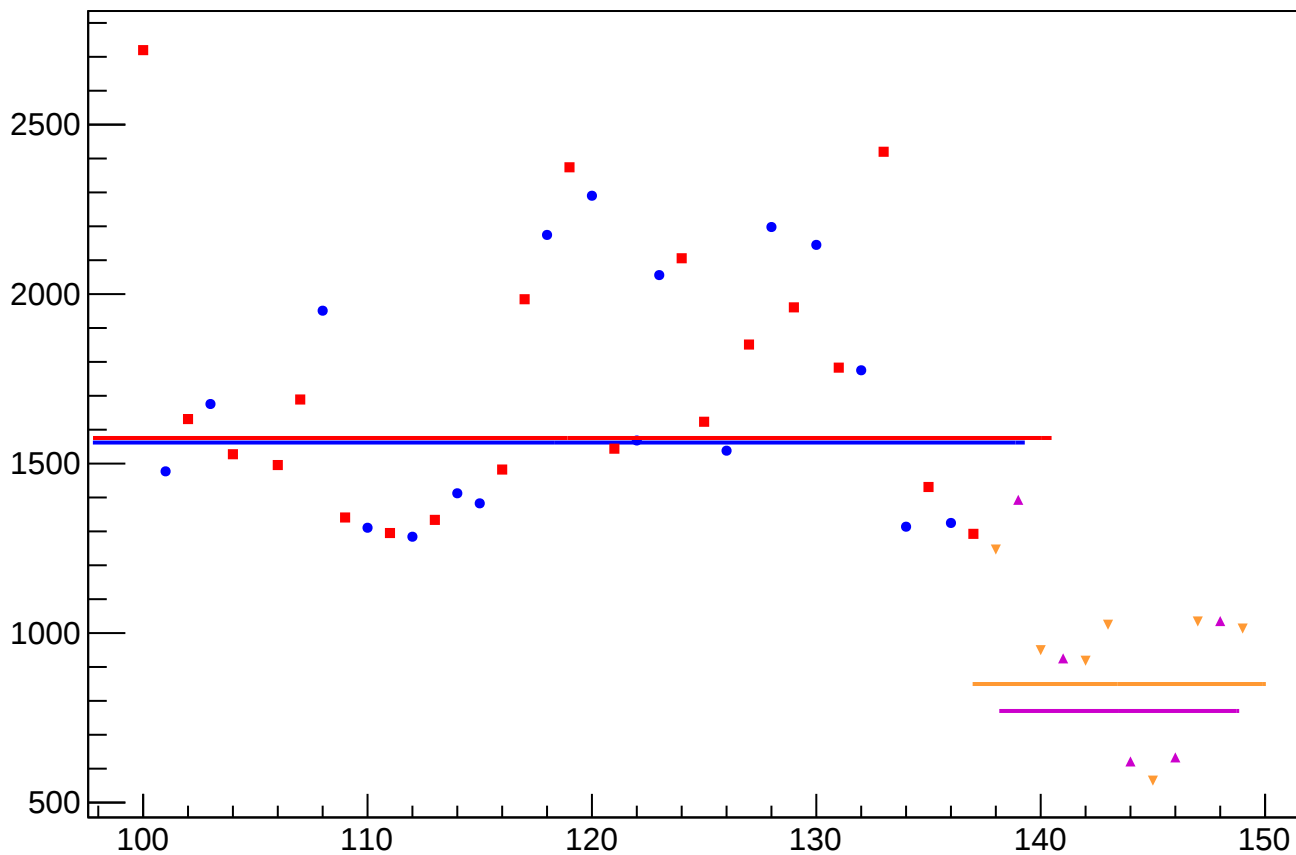
Left In: -80.605 ± 402.761 $\chi^2/\text{NDF}: 2.4/4$

1084.020 ± 334.672 $\chi^2/\text{NDF}: 44.5/23$

319.823 ± 236.668 $\chi^2/\text{NDF}: 72.5/48$

-444.619 ± 334.726 $\chi^2/\text{NDF}: 17.6/24$

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 +/- 0.439 χ^2/NDF : 482088.3/16

Left Out: 849.743 +/- 0.281 χ^2/NDF : 680069.6/6

Right Out: 1575.541 +/- 0.426 χ^2/NDF : 467687.2/19

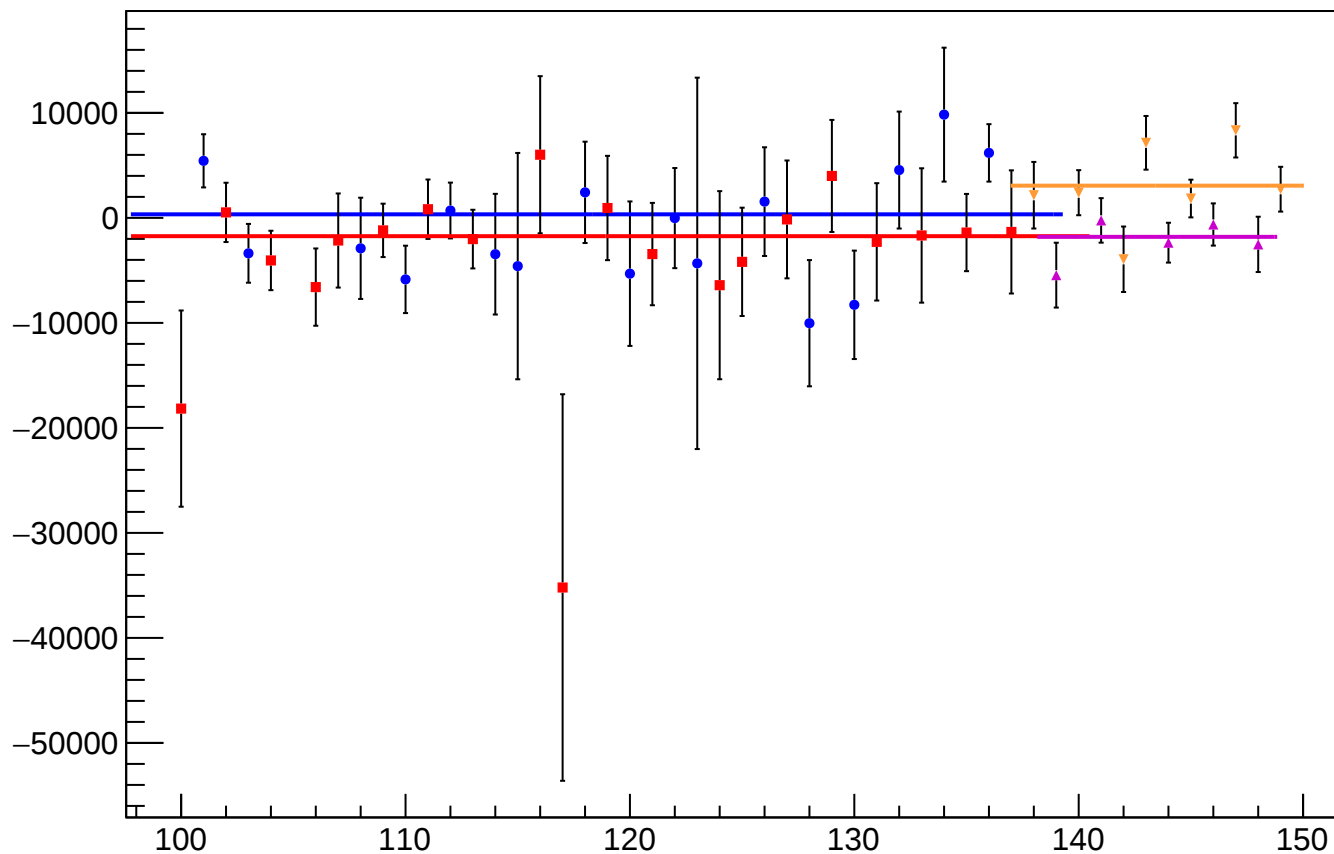
Left In: 770.203 +/- 0.285 χ^2/NDF : 607683.4/4

1056.687 +/- 0.237 χ^2/NDF : 3029792.2/23

1037.997 +/- 0.167 χ^2/NDF : 6590980.3/48

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: 3068.500 ± 893.730 χ^2/NDF : 12.4/6

Right Out: -1742.470 ± 923.289 χ^2/NDF : 13.6/19

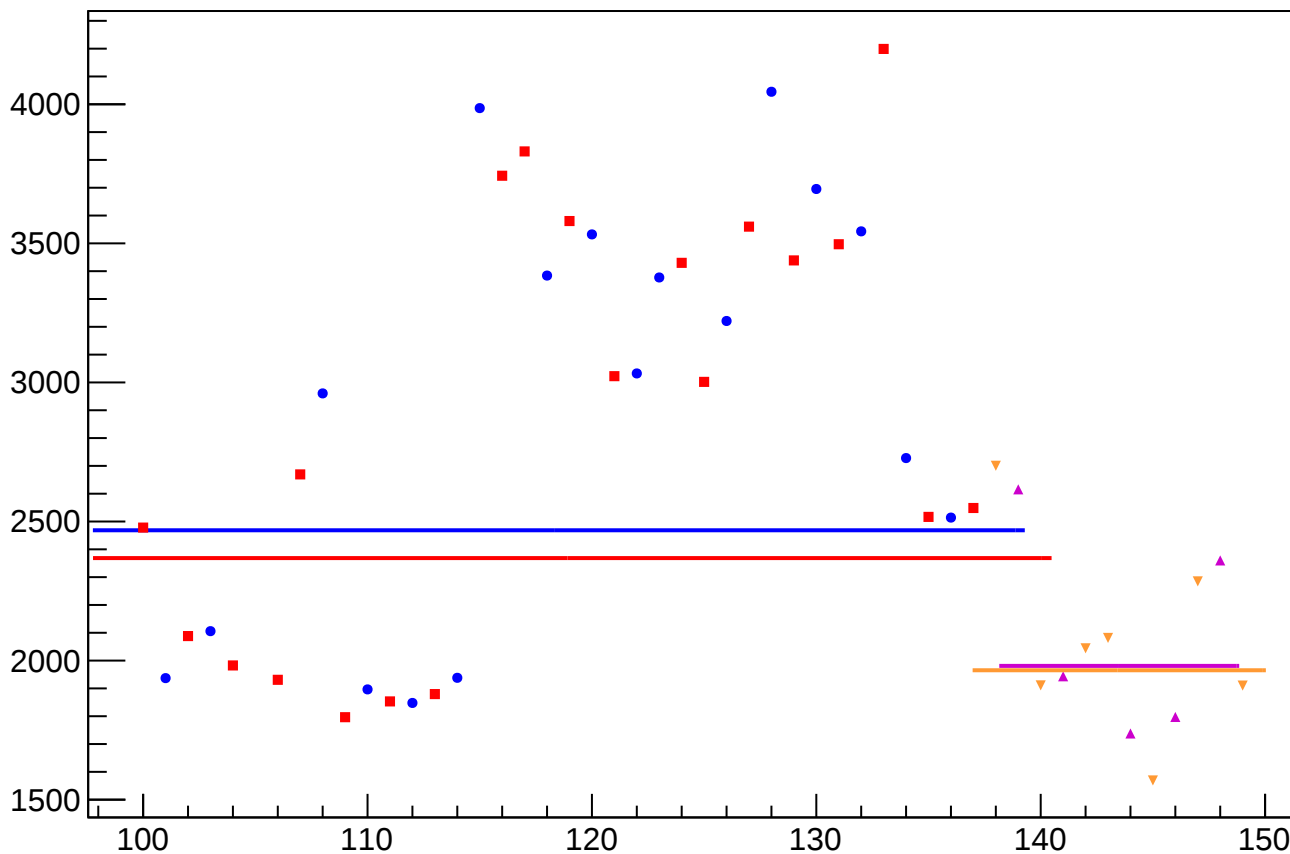
Left In: -1806.088 ± 1001.474 χ^2/NDF : 2.4/4

1850.427 ± 665.143 χ^2/NDF : 41.4/23

76.231 ± 475.090 χ^2/NDF : 71.9/48

-1771.699 ± 678.824 χ^2/NDF : 16.0/24

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2/NDF : 896153.6/16

Left Out: 1965.218 $\pm$ 0.632 χ^2/NDF : 243468.5/6

Right Out: 2368.521 $\pm$ 0.653 χ^2/NDF : 1037811.8/19

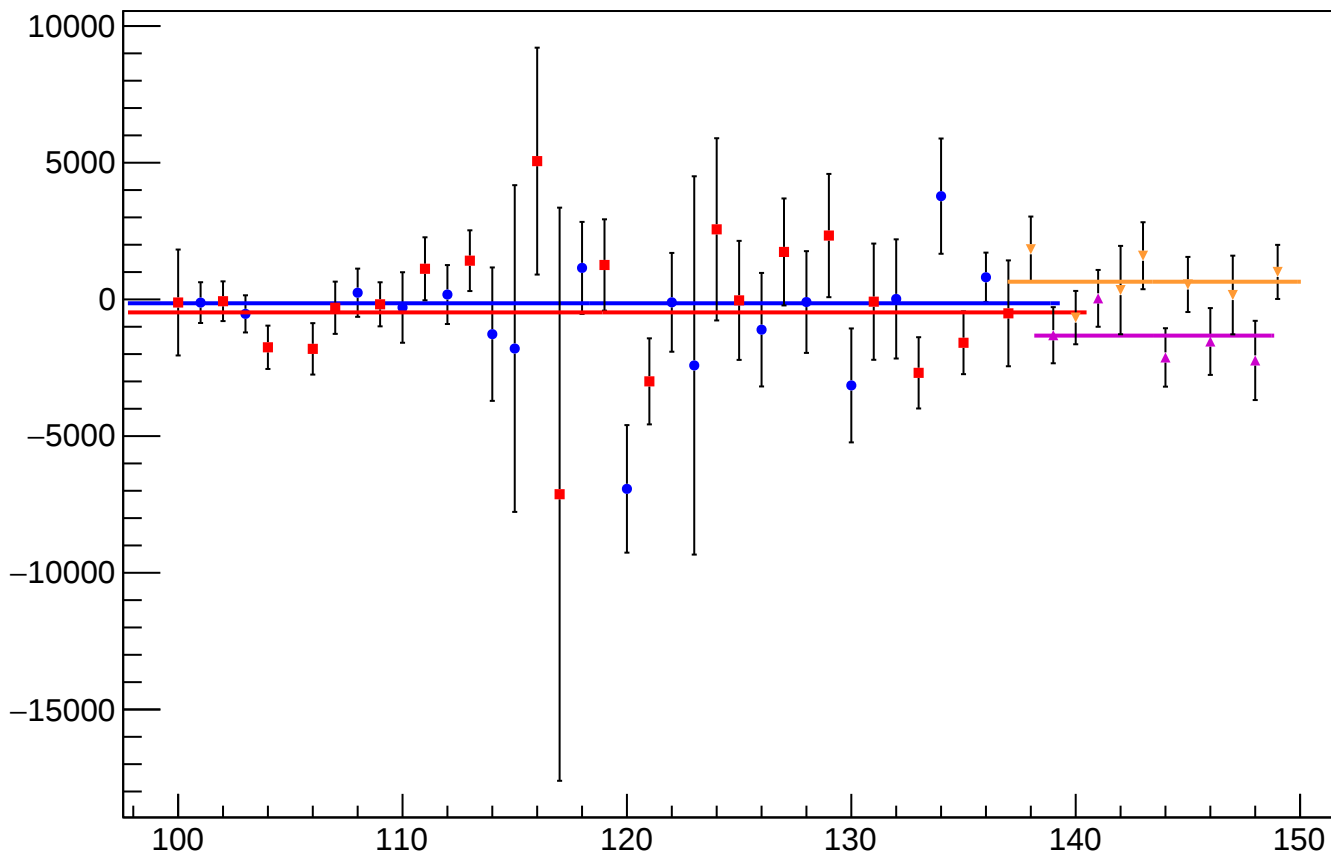
Left In: 1980.944 $\pm$ 0.708 χ^2/NDF : 176077.9/4

2189.736 $\pm$ 0.470 χ^2/NDF : 1422546.8/23

2190.086 $\pm$ 0.336 χ^2/NDF : 2798359.3/48

2190.451 $\pm$ 0.480 χ^2/NDF : 1375811.3/24

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2 /NDF: 16.9/16

Left Out: 647.232+/-434.911 χ^2 /NDF: 3.7/6

Right Out: -474.987+/-282.789 χ^2 /NDF: 23.3/19

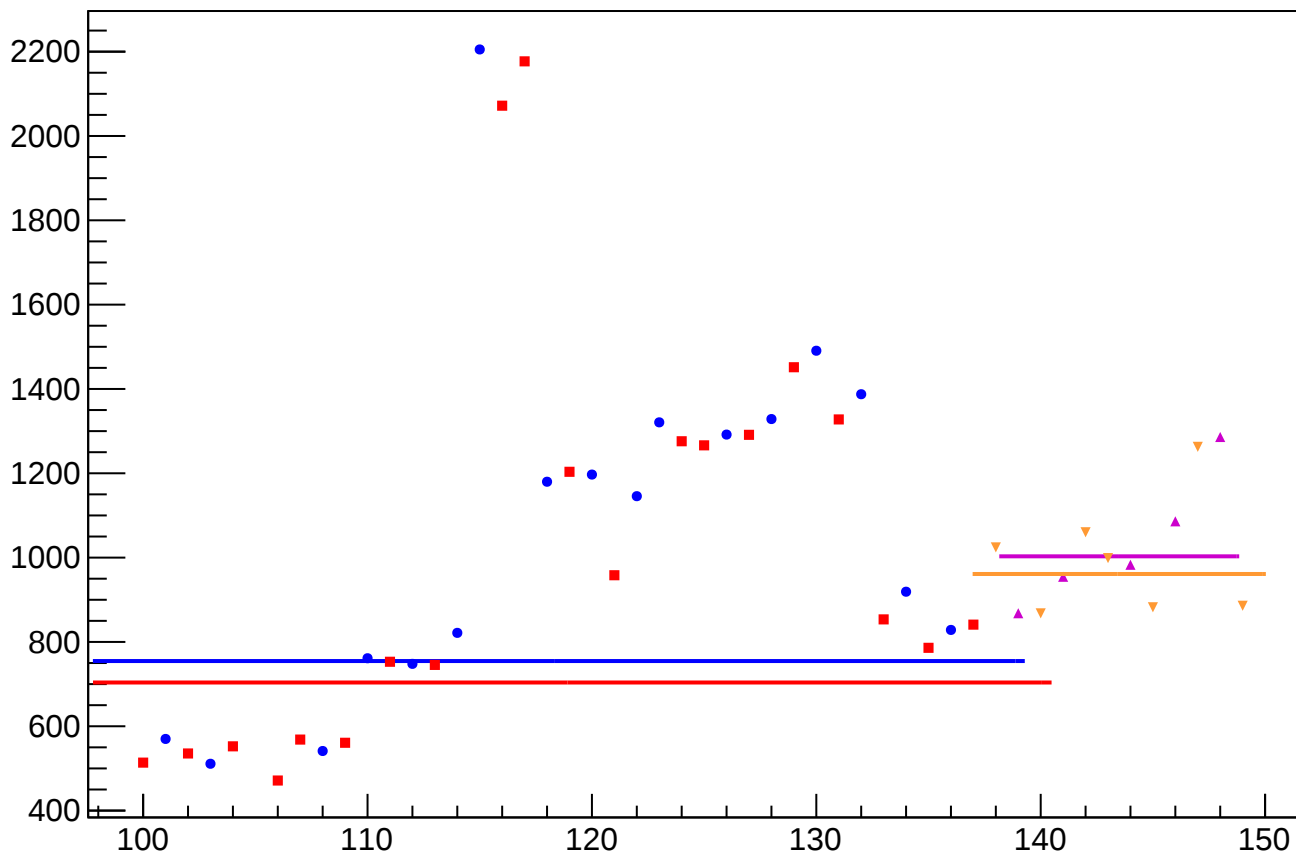
Left In: -1324.200+/-506.659 χ^2 /NDF: 2.7/4

128.179+/-254.218 χ^2 /NDF: 22.8/23

-285.963+/-177.127 χ^2 /NDF: 56.1/48

-676.701+/-246.930 χ^2 /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: 961.169 $\pm$ 0.308 χ^2/NDF : 144987.5/6

Right Out: 703.794 $\pm$ 0.200 χ^2/NDF : 1731134.6/19

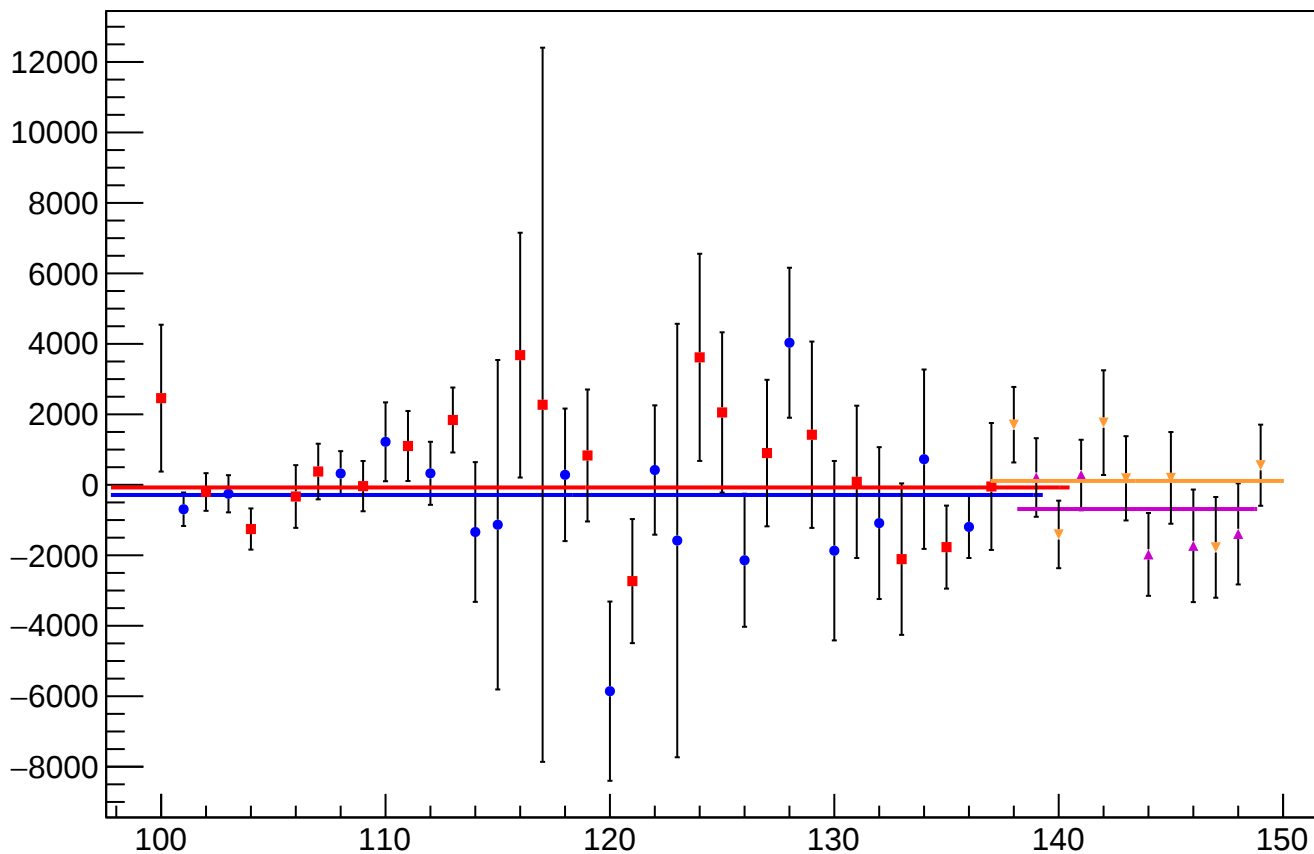
Left In: 1003.045 $\pm$ 0.358 χ^2/NDF : 125143.5/4

825.235 $\pm$ 0.180 χ^2/NDF : 2132397.7/23

799.323 $\pm$ 0.125 χ^2/NDF : 4561036.4/48

774.875 $\pm$ 0.175 χ^2/NDF : 2388256.2/24

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 $\pm$ 250.436 χ^2/NDF : 16.2/16

Left Out: 110.782 $\pm$ 449.602 χ^2/NDF : 7.9/6

Right Out: -74.735 $\pm$ 246.011 χ^2/NDF : 21.4/19

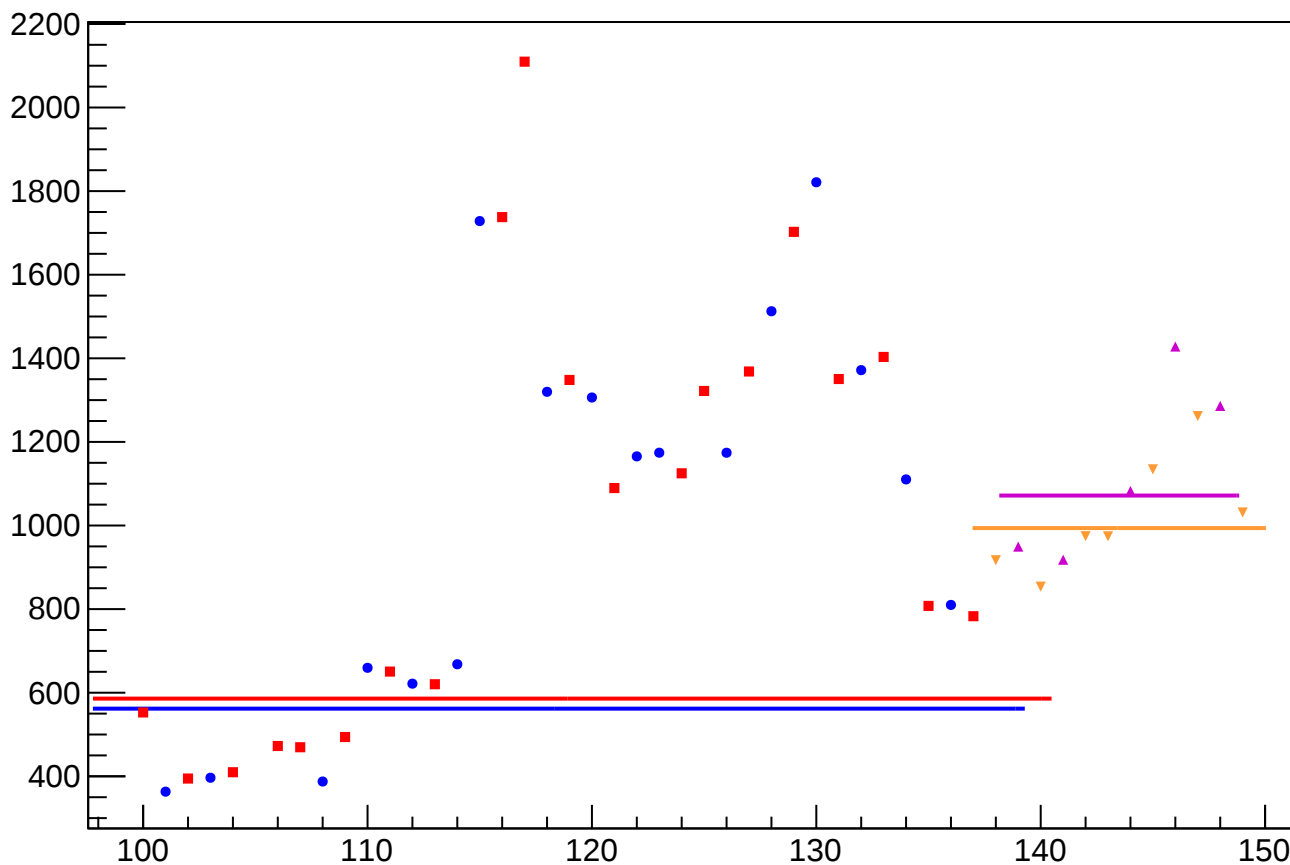
Left In: -686.824 $\pm$ 541.915 χ^2/NDF : 3.4/4

-193.598 $\pm$ 218.784 χ^2/NDF : 24.6/23

-186.629 $\pm$ 156.518 χ^2/NDF : 50.6/48

-179.323 $\pm$ 224.009 χ^2/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: 993.874+/-0.318 χ^2/NDF : 149594.1/6

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

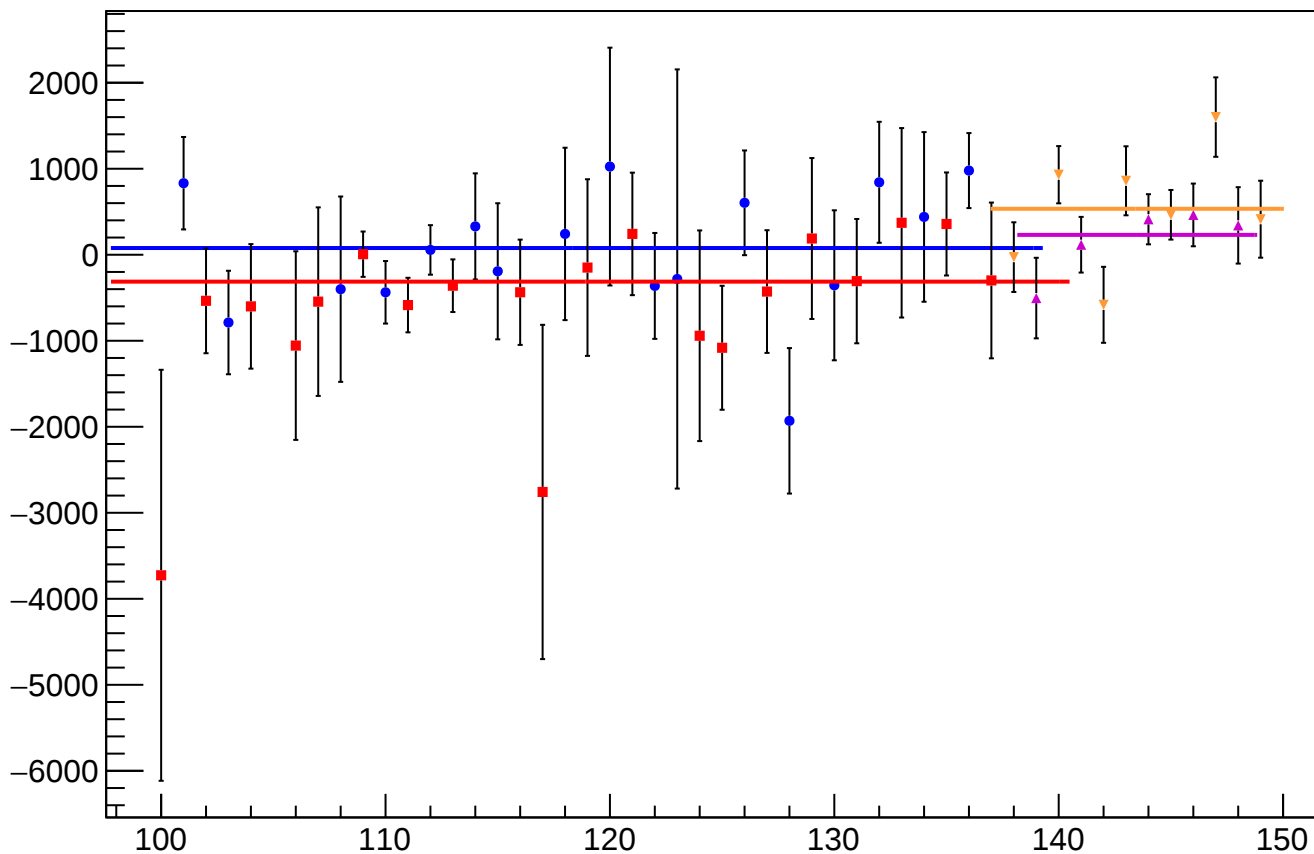
Left In: 1071.702+/-0.383 χ^2/NDF : 215597.9/4

664.185+/-0.155 χ^2/NDF : 4775342.4/23

666.488+/-0.111 χ^2/NDF : 9193759.3/48

668.902+/-0.158 χ^2/NDF : 4417963.1/24

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 $\pm$ 142.869 χ^2/NDF : 19.8/16

Left Out: 534.510 $\pm$ 144.076 χ^2/NDF : 15.8/6

Right Out: -312.536 $\pm$ 129.362 χ^2/NDF : 10.7/19

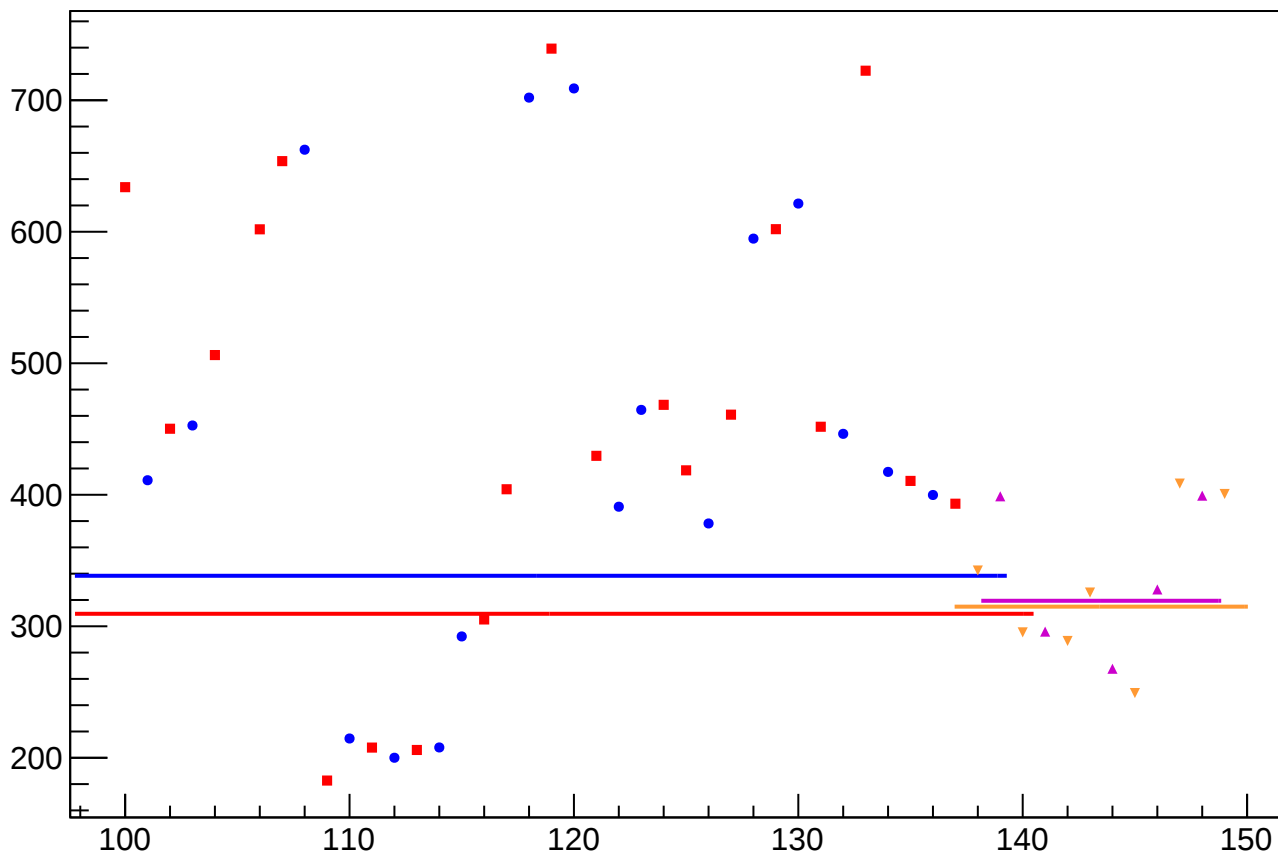
Left In: 231.005 $\pm$ 161.200 χ^2/NDF : 3.4/4

304.428 $\pm$ 101.448 χ^2/NDF : 40.7/23

101.295 $\pm$ 71.537 χ^2/NDF : 69.7/48

-99.616 $\pm$ 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: 314.935 $\pm$ 0.102 χ^2/NDF : 283742.4/6

Right Out: 309.503 $\pm$ 0.091 χ^2/NDF : 2738236.3/19

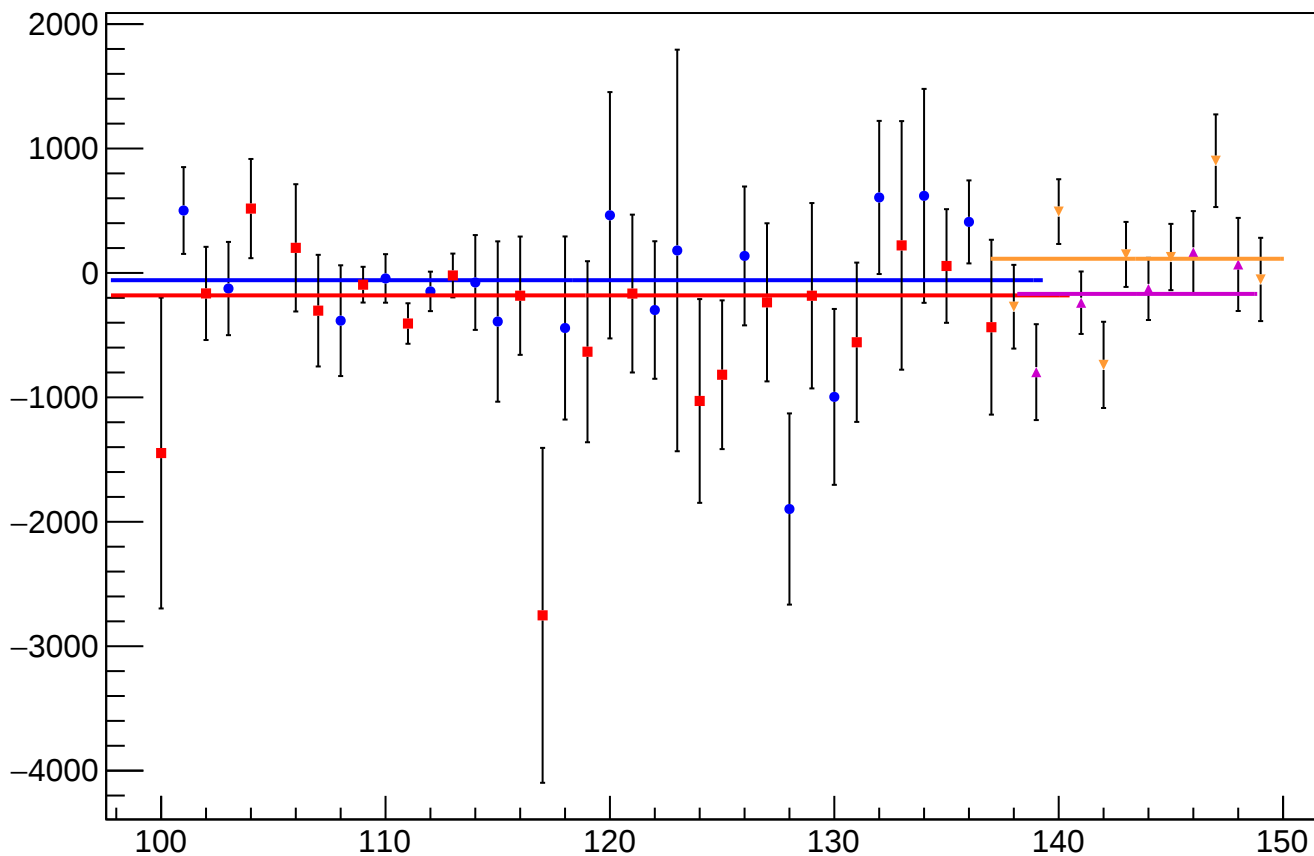
Left In: 319.396 $\pm$ 0.114 χ^2/NDF : 196864.1/4

326.770 $\pm$ 0.072 χ^2/NDF : 2319796.1/23

320.037 $\pm$ 0.051 χ^2/NDF : 5277000.2/48

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: 113.951+/-114.089 χ^2/NDF : 14.2/6

Right Out: -180.354+/-76.795 χ^2/NDF : 15.0/19

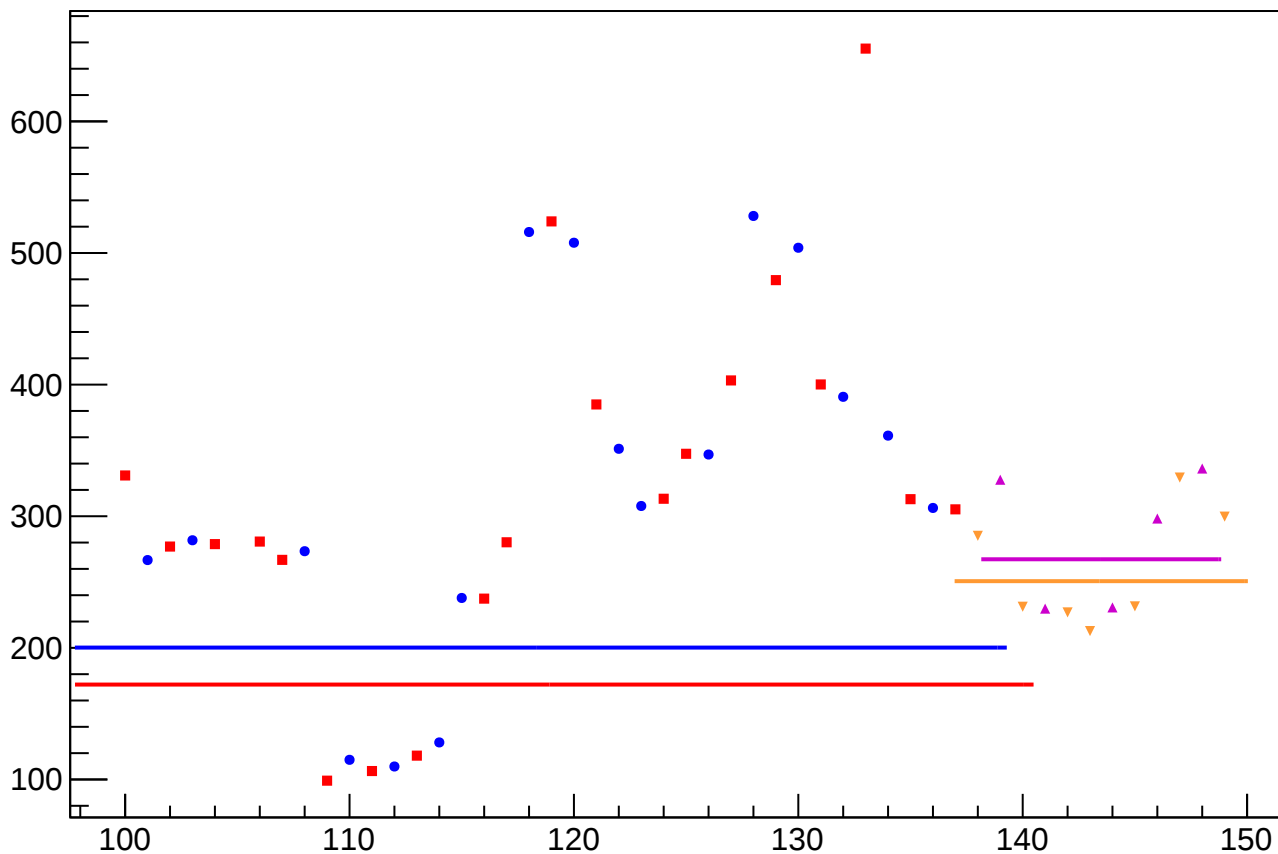
Left In: -168.438+/-135.010 χ^2/NDF : 4.2/4

8.212+/-70.894 χ^2/NDF : 31.5/23

-90.197+/-48.599 χ^2/NDF : 54.3/48

-177.441+/-66.752 χ^2/NDF : 19.2/24

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 250.675+/-0.081 χ^2/NDF :226326.8/6

Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

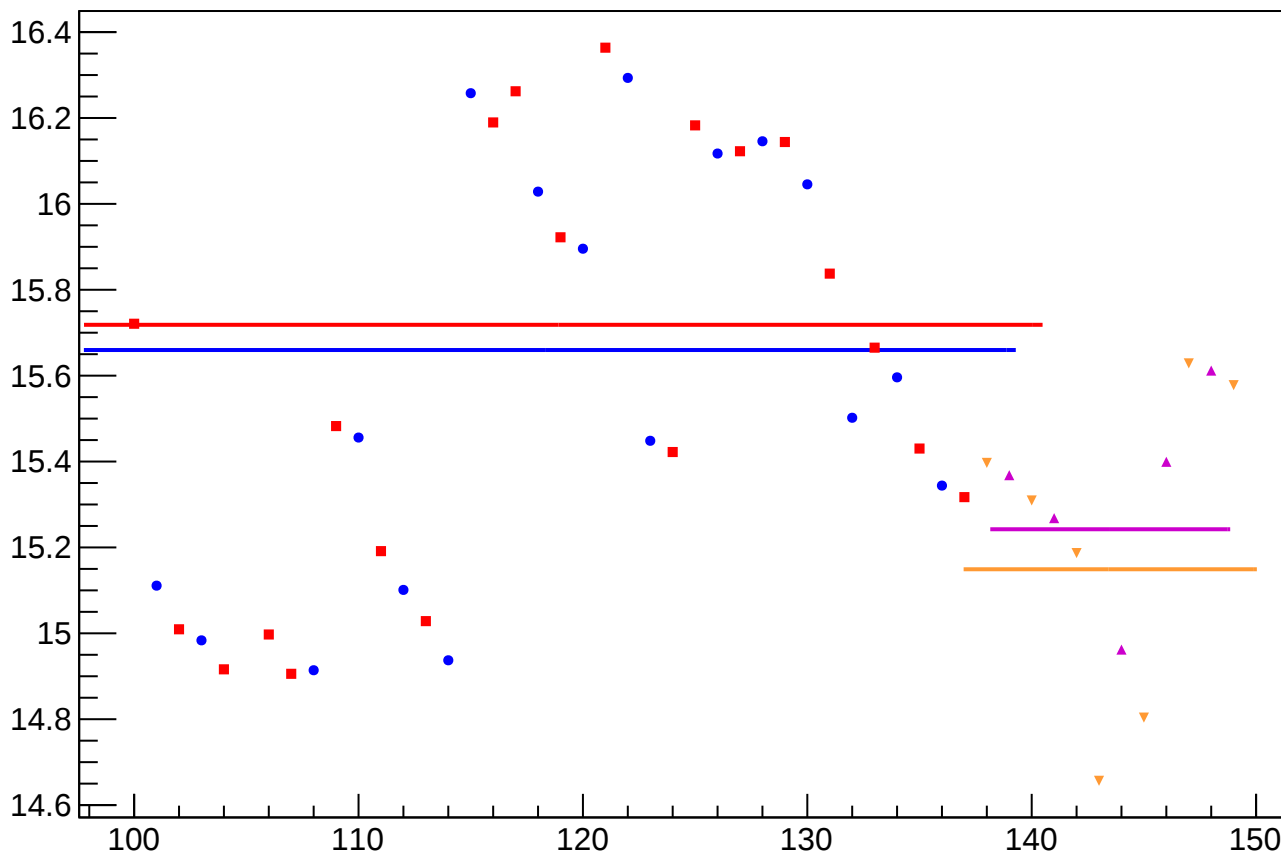
Left In: 267.300+/-0.095 χ^2/NDF :222061.1/4

219.695+/-0.050 χ^2/NDF : 3853752.8/23

206.806+/-0.034 χ^2/NDF : 9058572.3/48

195.379+/-0.047 χ^2/NDF : 5080103.3/24

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.149 $\pm$ 0.000 χ^2 /NDF: 5173758339.3/6

Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

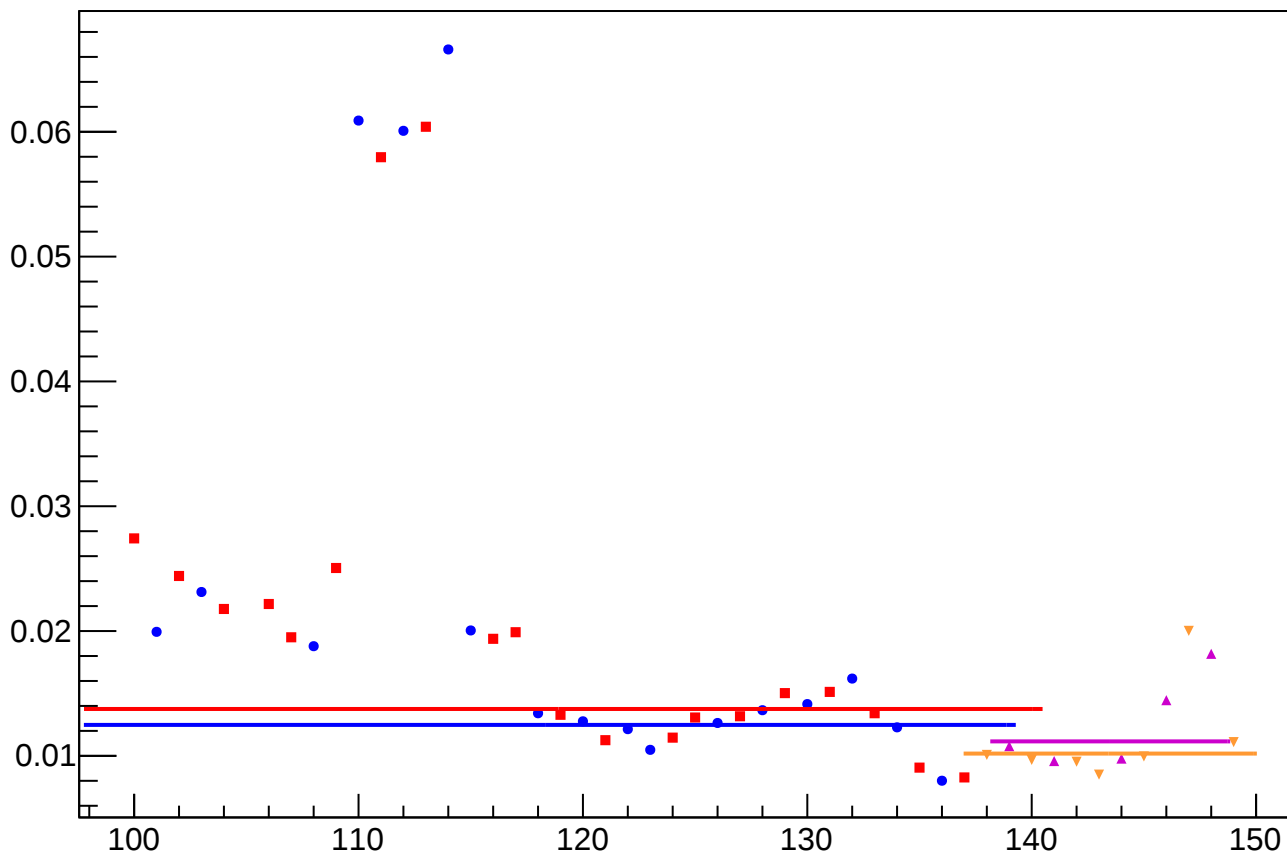
Left In: 15.242 $\pm$ 0.000 χ^2 /NDF: 1173427488.4/4

15.371 $\pm$ 0.000 χ^2 /NDF: 15839734300.3/23

15.418 $\pm$ 0.000 χ^2 /NDF: 26185006249.9/19

15.480 $\pm$ 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 : 429163.3/6

Right Out: 0.014+/-0.000 χ^2/NDF : 2084935.7/19

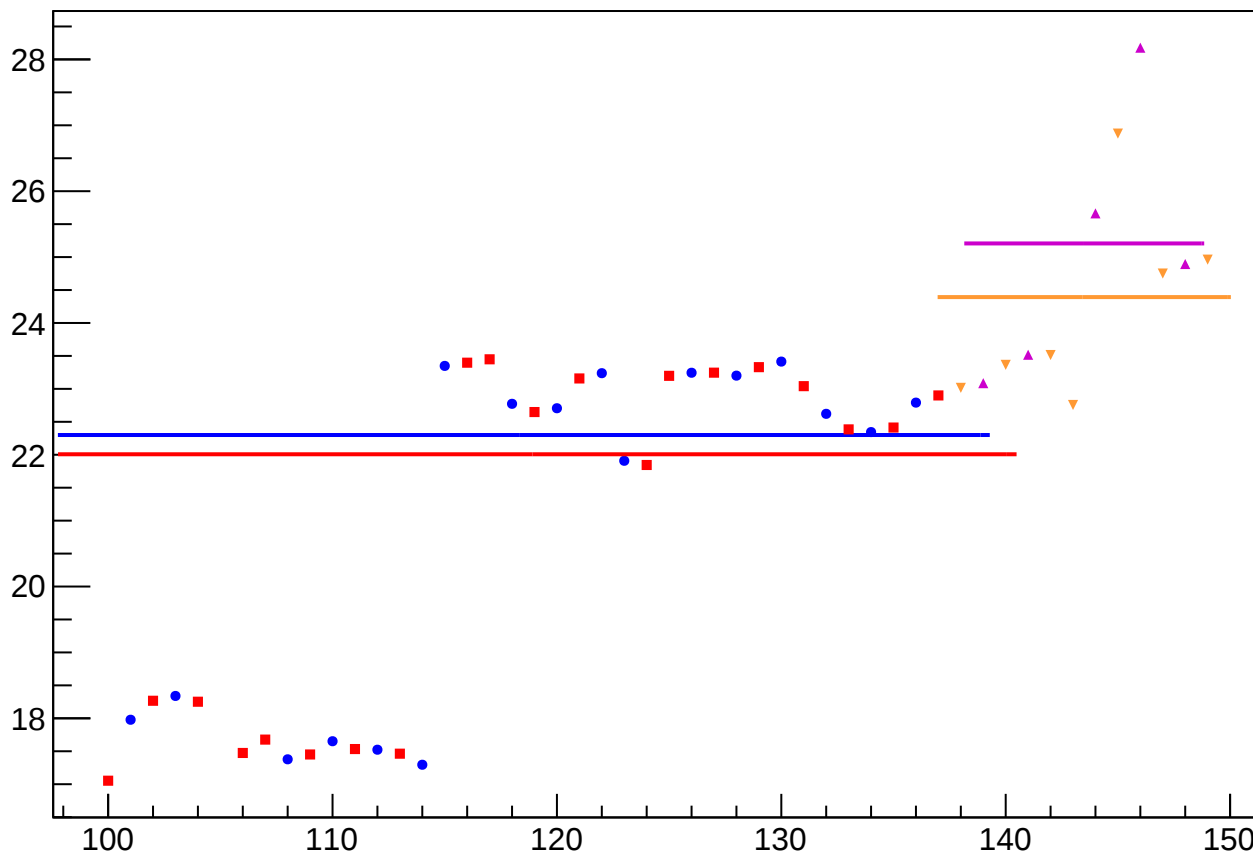
Left In: 0.011+/-0.000 χ^2/NDF : 380596.6/4

0.011+/-0.000 χ^2/NDF : 2779824.3/23

0.012+/-0.000 χ^2/NDF : 5548331.5/48

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: 24.393+/-0.000 χ^2/NDF : 807159535.1/6

Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

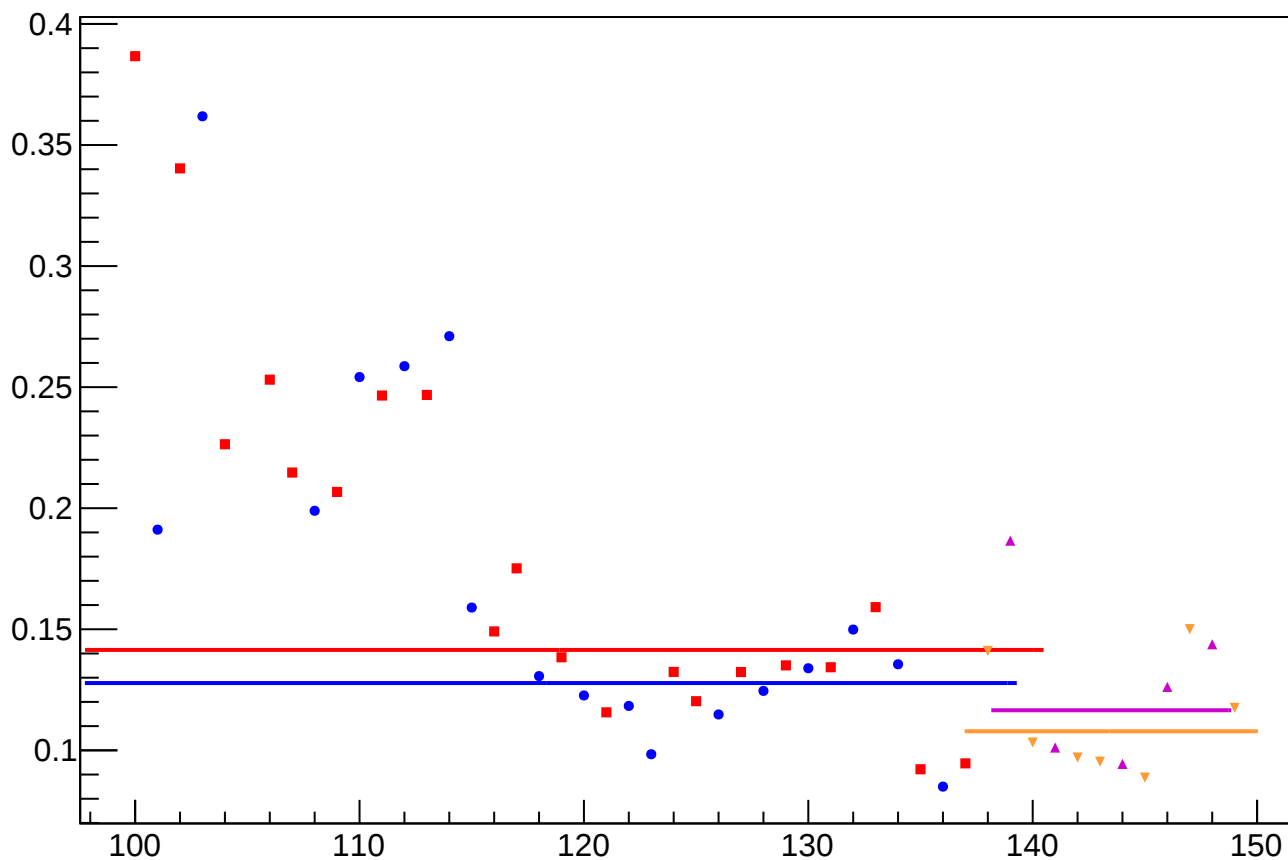
Left In: 25.207+/-0.000 χ^2/NDF : 687538947.5/4

23.404+/-0.000 χ^2/NDF : 2461515123.4/23

23.453+/-0.000 χ^2/NDF : 5556901700.7/4

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: 0.108 $\pm$ 0.000 χ^2 /NDF: 278894.5/6

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1452162.4/19

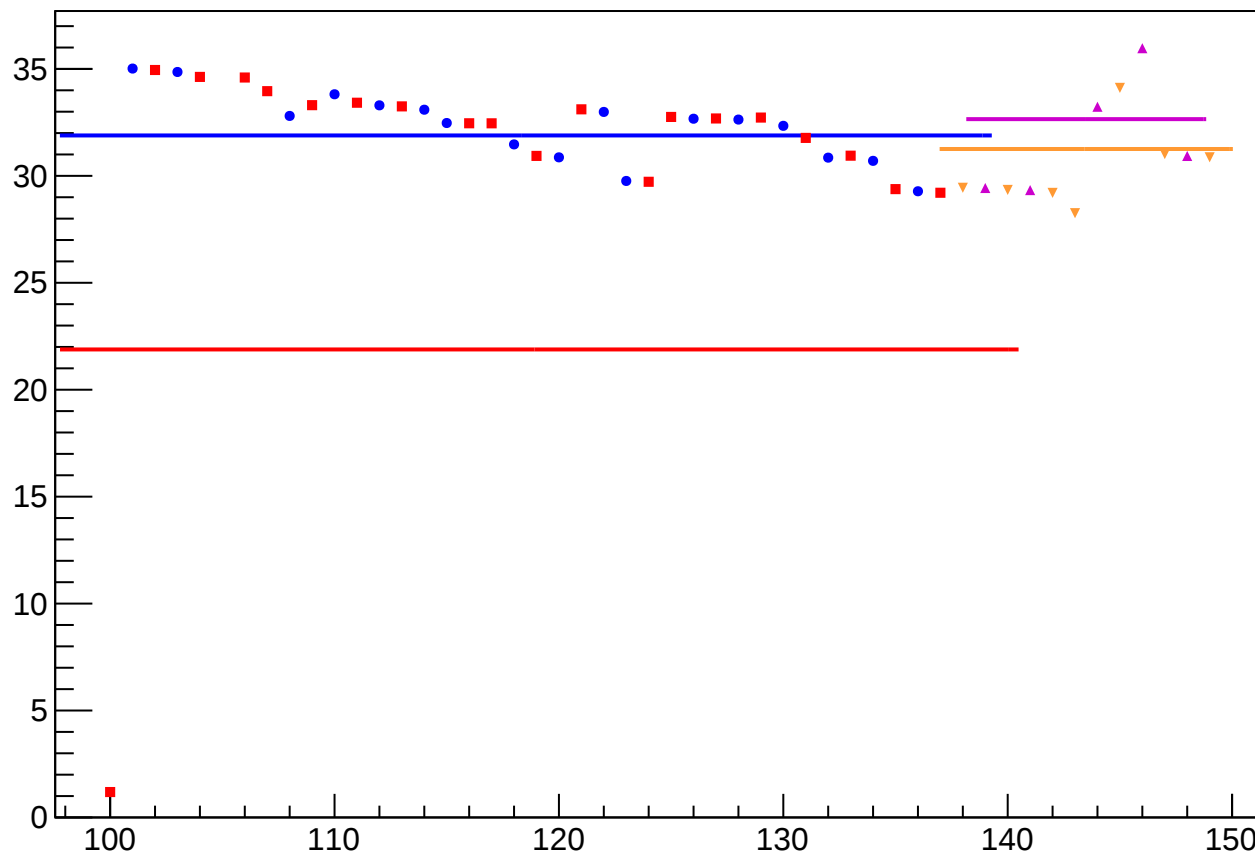
Left In: 0.117 $\pm$ 0.000 χ^2 /NDF: 374076.3/4

0.117 $\pm$ 0.000 χ^2 /NDF: 1900709.6/23

0.123 $\pm$ 0.000 χ^2 /NDF: 3979280.0/48

0.130 $\pm$ 0.000 χ^2 /NDF: 1988262.0/24

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889 $\pm$ 0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.256 $\pm$ 0.000 χ^2/NDF : 4143358234.1/6

Right Out: 21.883 $\pm$ 0.000 χ^2/NDF : 230247118310.5/19

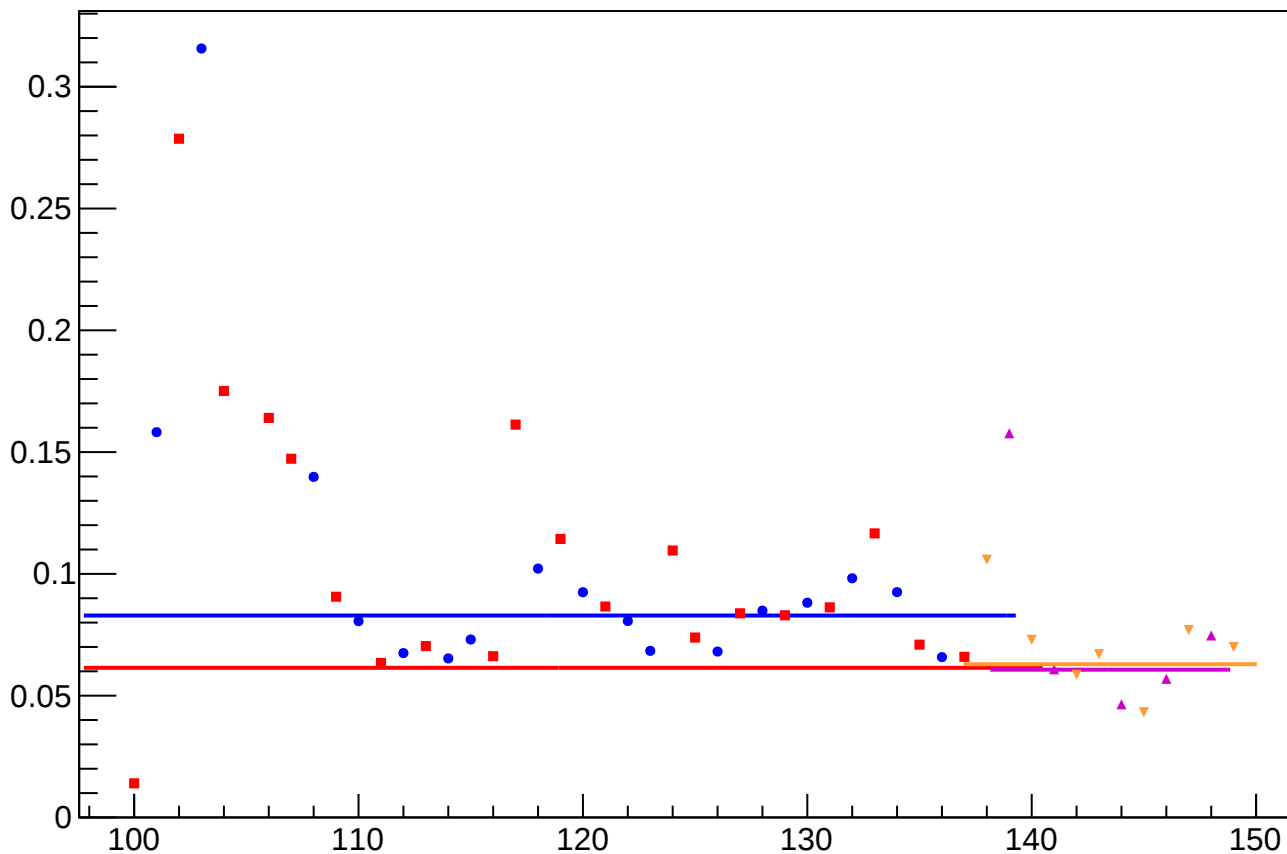
Left In: 32.652 $\pm$ 0.000 χ^2/NDF : 4424008045.8/4

31.543 $\pm$ 0.000 χ^2/NDF : 6230327091.8/23

28.744 $\pm$ 0.000 χ^2/NDF : 314777369456.9

26.309 $\pm$ 0.000 χ^2/NDF : 285480449484.4/24

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 +/- 0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.063 +/- 0.000 χ^2/NDF : 490735.3/6

Right Out: 0.061 +/- 0.000 χ^2/NDF : 3635656.2/19

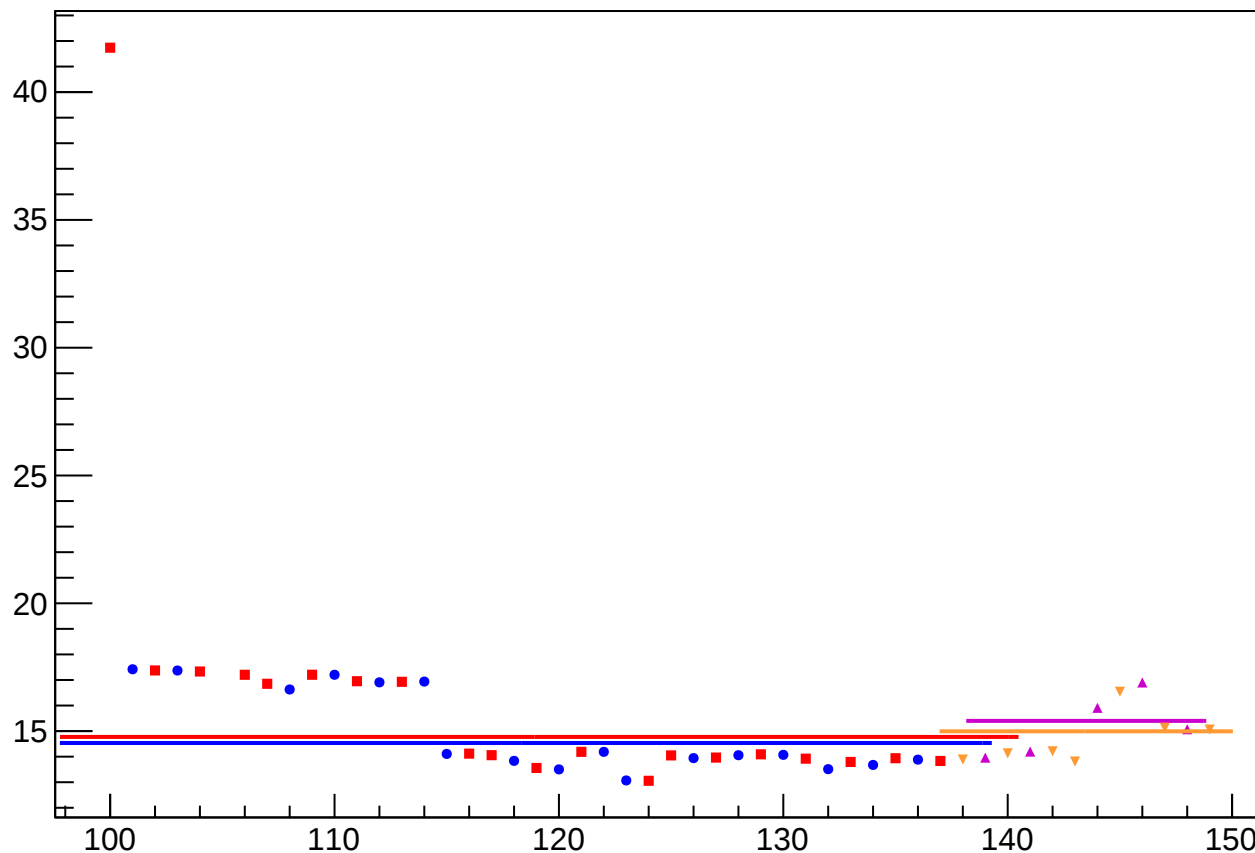
Left In: 0.061 +/- 0.000 χ^2/NDF : 700079.3/4

0.072 +/- 0.000 χ^2/NDF : 1967067.1/23

0.066 +/- 0.000 χ^2/NDF : 6501260.5/48

0.061 +/- 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: 14.992+/-0.000 χ^2/NDF : 942934712.0/6

Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

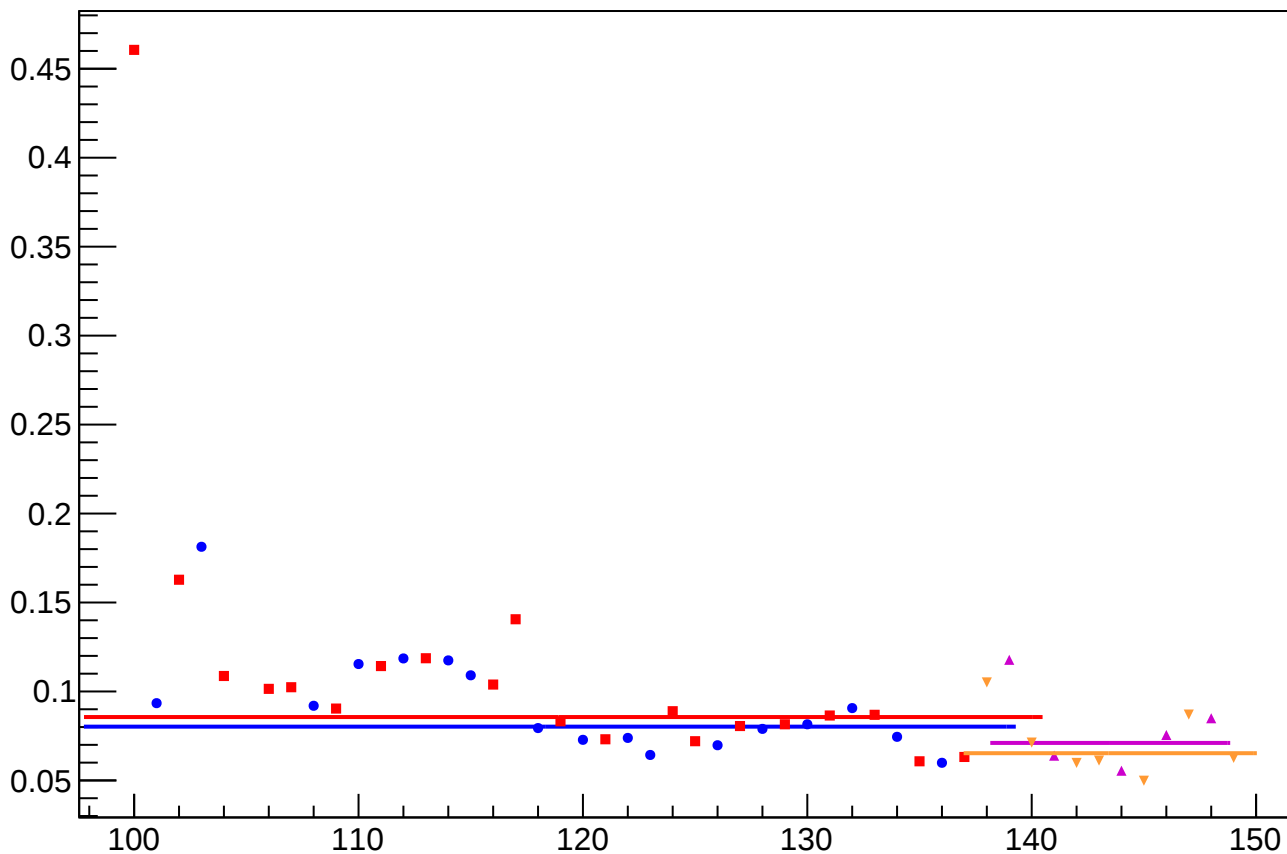
Left In: 15.399+/-0.000 χ^2/NDF : 658304064.7/4

14.768+/-0.000 χ^2/NDF : 2504339392.9/23

14.894+/-0.000 χ^2/NDF : 5251080062.5/4

15.047+/-0.000 χ^2/NDF : 2685270036.8/24

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080 ± 0.000 $\chi^2/\text{NDF}: 778734.5/16$

Left Out: 0.065 ± 0.000 $\chi^2/\text{NDF}: 403492.0/6$

Right Out: 0.086 ± 0.000 $\chi^2/\text{NDF}: 750289.2/19$

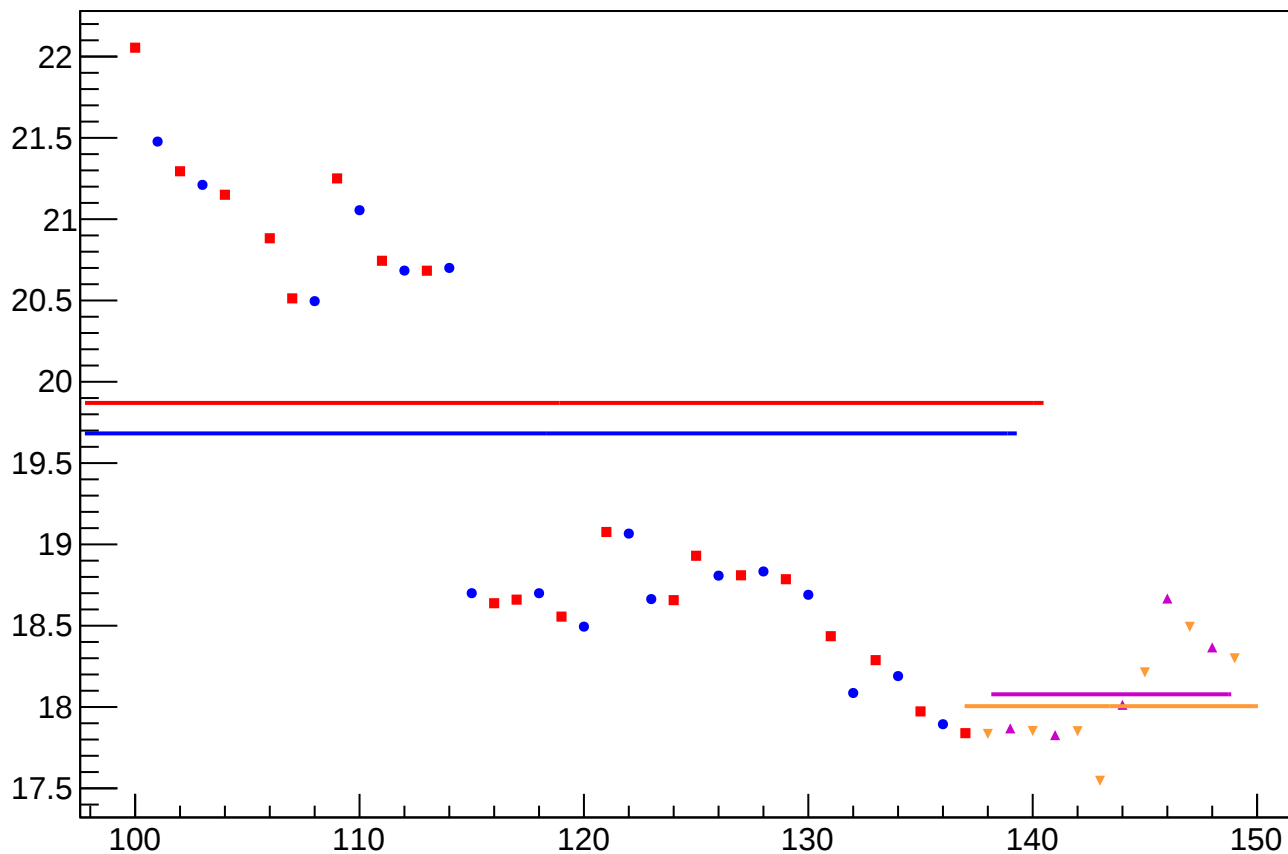
Left In: 0.071 ± 0.000 $\chi^2/\text{NDF}: 382543.3/4$

0.073 ± 0.000 $\chi^2/\text{NDF}: 1376879.6/23$

0.076 ± 0.000 $\chi^2/\text{NDF}: 2728410.9/48$

0.079 ± 0.000 $\chi^2/\text{NDF}: 1282469.3/24$

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.005+/-0.000 χ^2/NDF : 369066726.4/6

Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

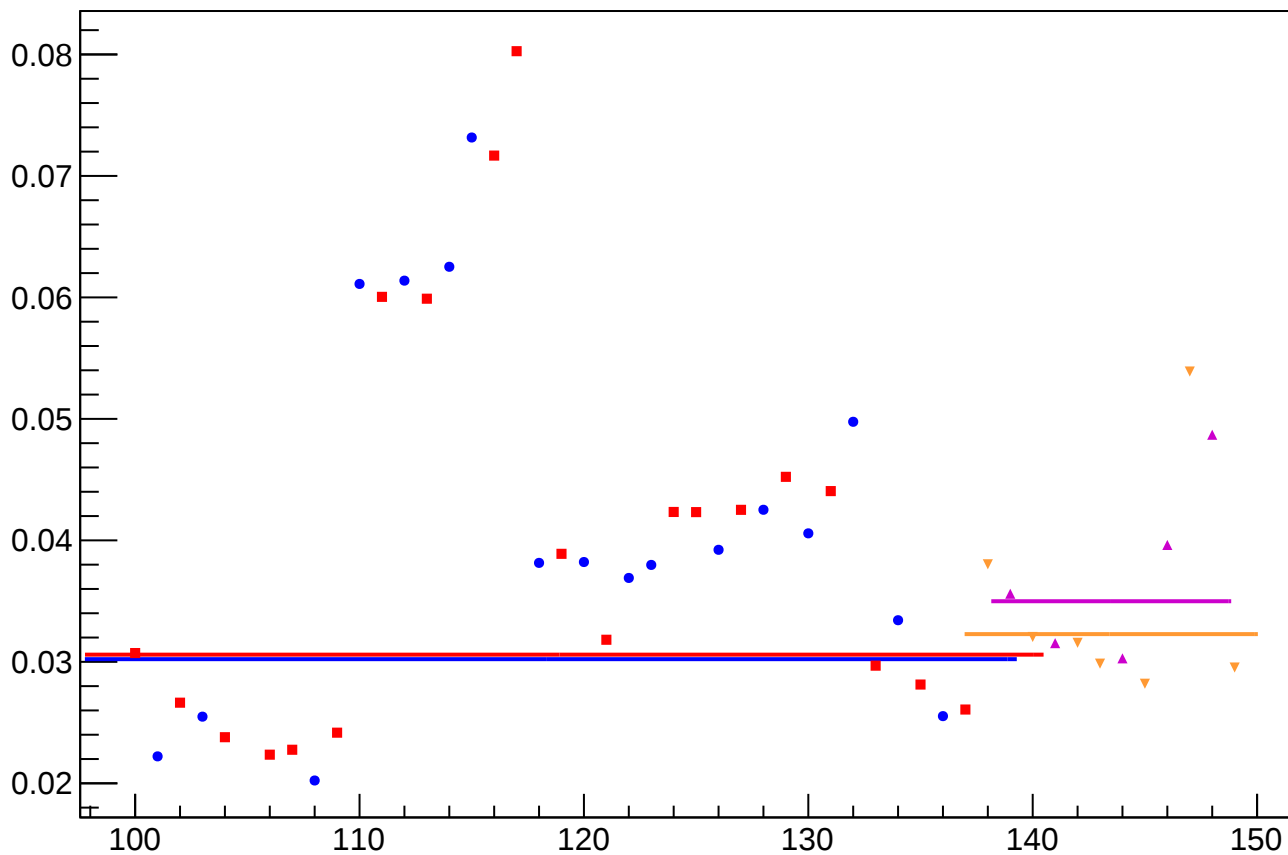
Left In: 18.078+/-0.000 χ^2/NDF : 271449096.8/4

18.982+/-0.000 χ^2/NDF : 19827068236.3/23

19.127+/-0.000 χ^2/NDF : 38495917819.9/19

19.288+/-0.000 χ^2/NDF : 18206286422.5/24

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032 $\pm$ 0.000 χ^2/NDF : 326173.1/6

Right Out: 0.031 $\pm$ 0.000 χ^2/NDF : 1219224.0/19

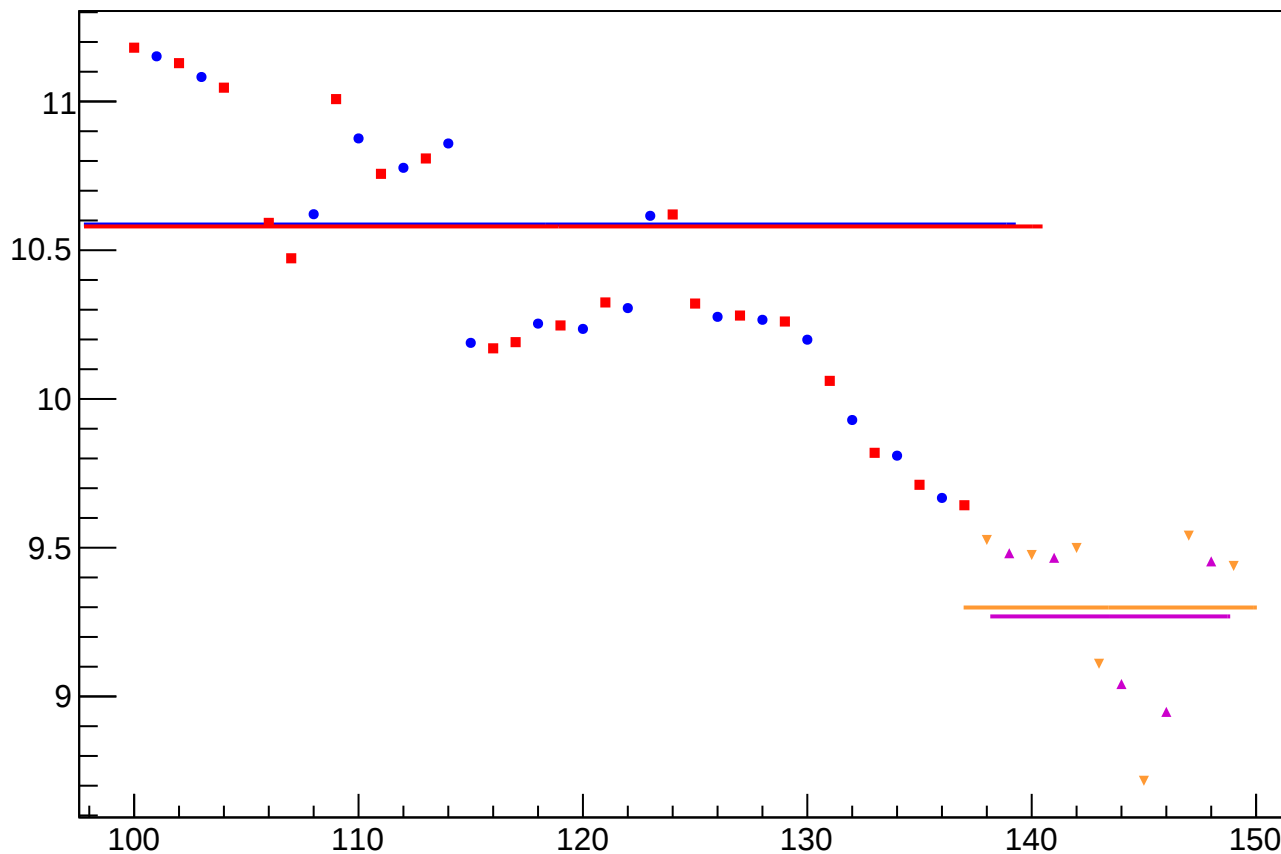
Left In: 0.035 $\pm$ 0.000 χ^2/NDF : 200045.4/4

0.031 $\pm$ 0.000 χ^2/NDF : 1672394.2/23

0.032 $\pm$ 0.000 χ^2/NDF : 3179905.2/48

0.032 $\pm$ 0.000 χ^2/NDF : 1498767.3/24

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.299+/-0.000 χ^2/NDF : 985108960.3/6

Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

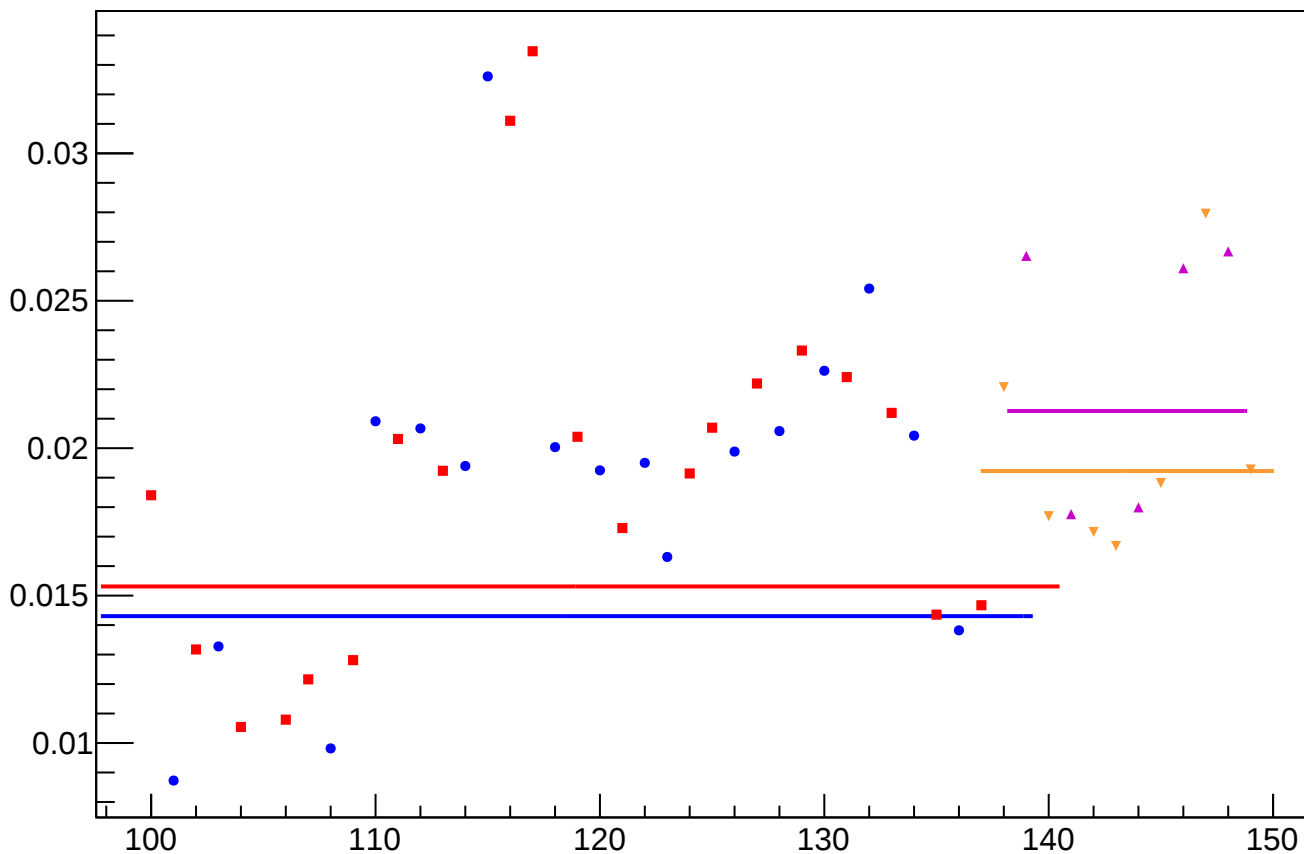
Left In: 9.269+/-0.000 χ^2/NDF : 409623505.8/4

10.184+/-0.000 χ^2/NDF : 21904453212.1/23

10.222+/-0.000 χ^2/NDF : 38603848385.7/1

10.266+/-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 : 217555.1/6

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1011477.2/19

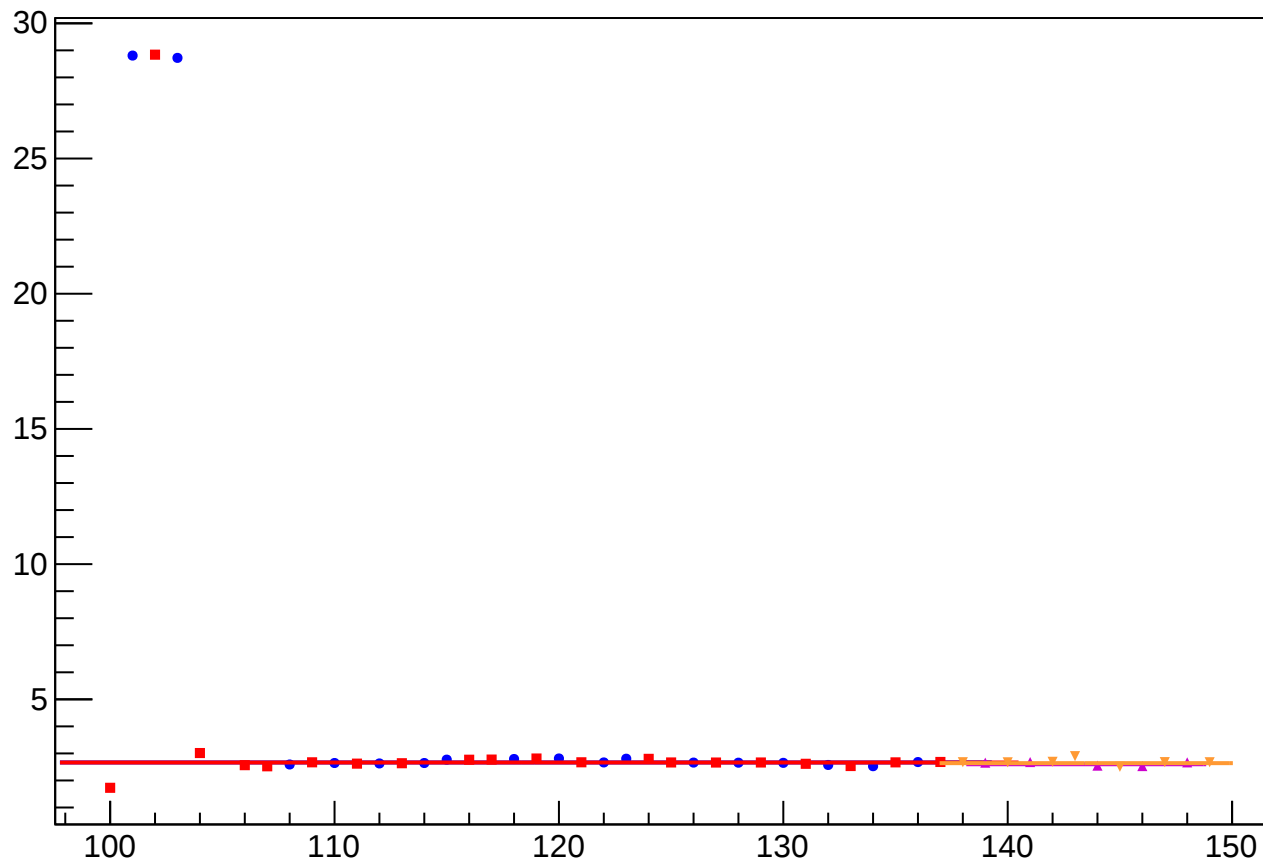
Left In: 0.021 $\pm$ 0.000 χ^2/NDF : 278865.2/4

0.016 $\pm$ 0.000 χ^2/NDF : 2020326.8/23

0.016 $\pm$ 0.000 χ^2/NDF : 3767614.0/48

0.017 $\pm$ 0.000 χ^2/NDF : 1719130.6/24

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.640+/-0.000 χ^2/NDF : 11292474849.7/6

Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

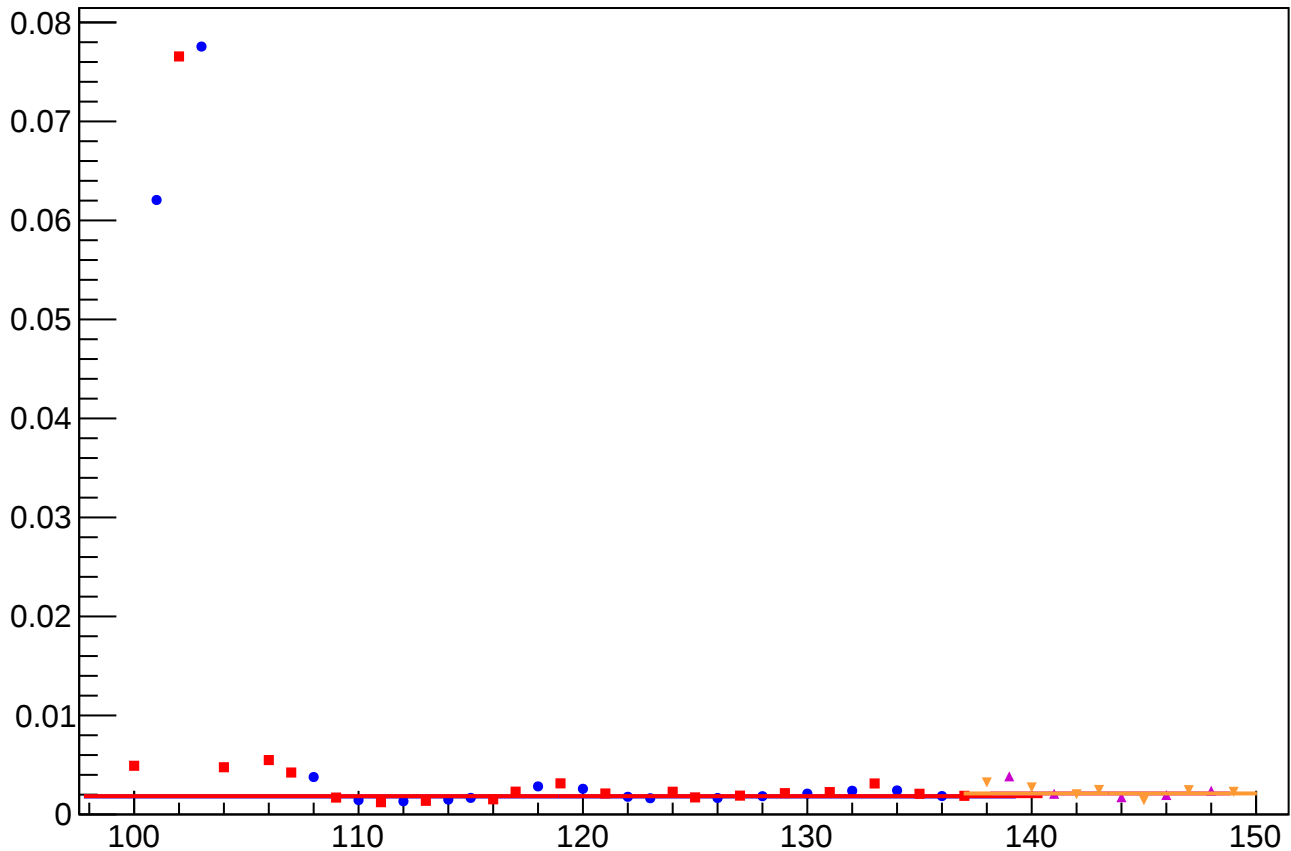
Left In: 2.600+/-0.000 χ^2/NDF : 3052540995.6/4

2.656+/-0.000 χ^2/NDF : 174795406185.9/23

2.650+/-0.000 χ^2/NDF : 250456151683.6/23

2.643+/-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 : 525937.9/6

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

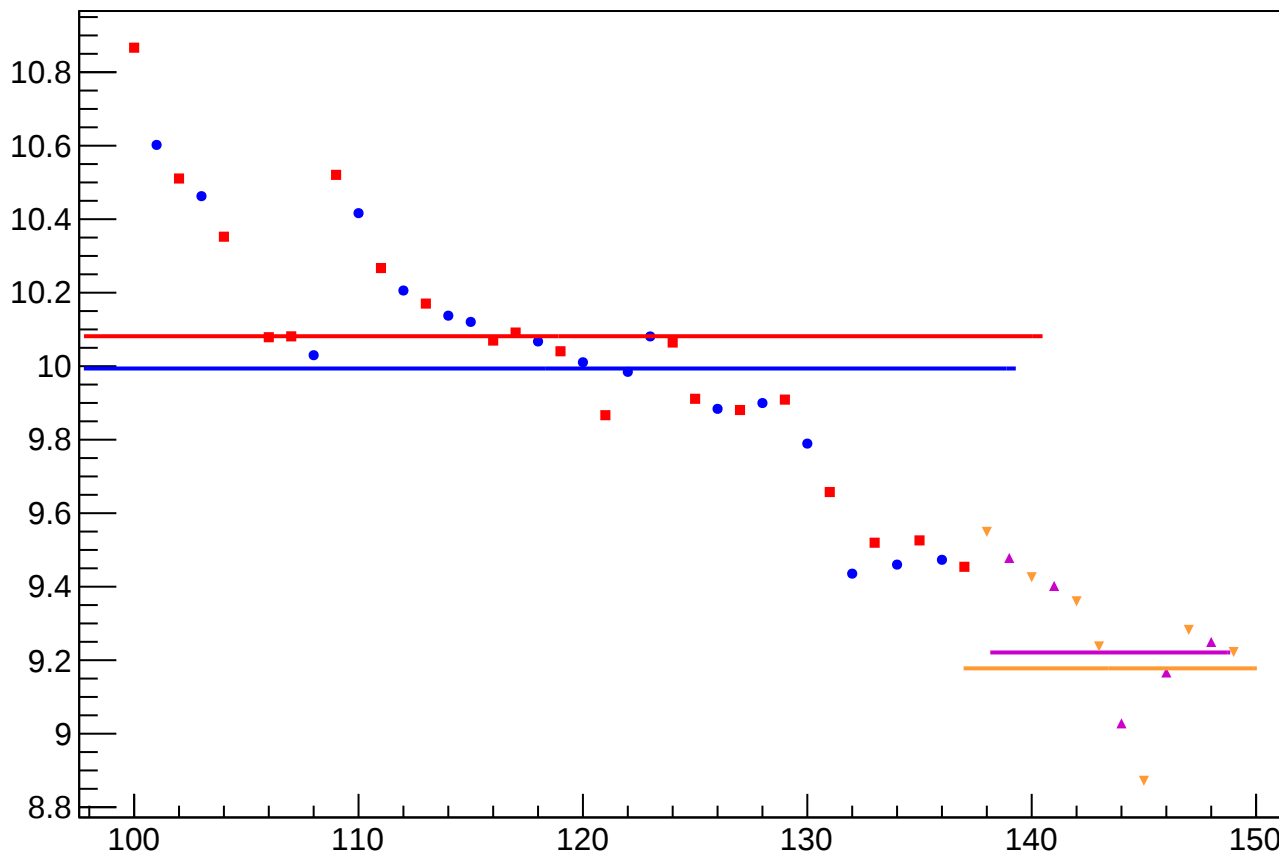
Left In: 0.002+/-0.000 χ^2/NDF : 370349.2/4

0.002+/-0.000 χ^2/NDF : 3281514.0/23

0.002+/-0.000 χ^2/NDF : 6056079.7/48

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: 9.178+/-0.000 χ^2/NDF : 4569758587.9/6

Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

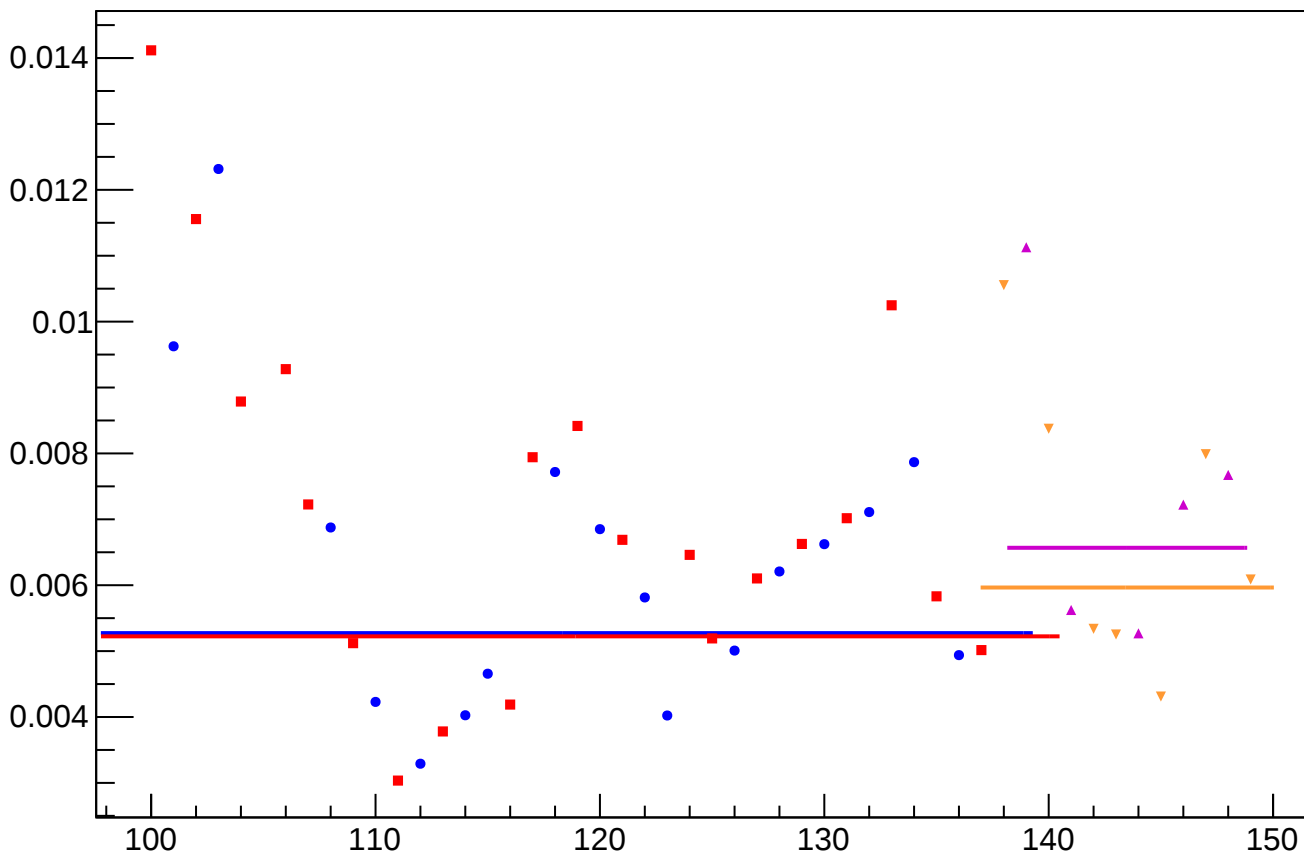
Left In: 9.221+/-0.000 χ^2/NDF : 1858699973.2/4

9.700+/-0.000 χ^2/NDF : 66651304693.7/23

9.772+/-0.000 χ^2/NDF : 125649686169.4/24

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 : 598680.1/6

Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

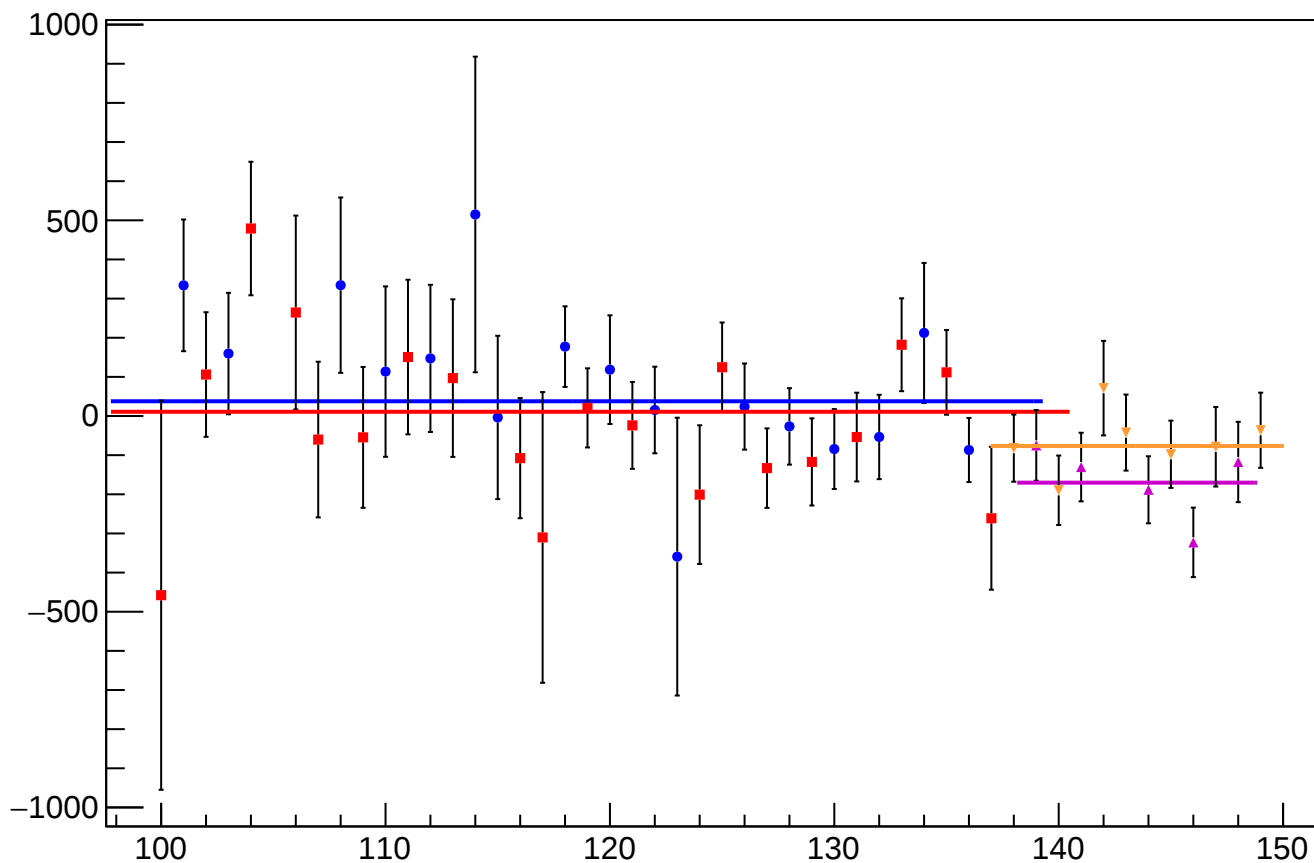
Left In: 0.007+/-0.000 χ^2/NDF : 378328.2/4

0.006+/-0.000 χ^2/NDF : 1906503.0/23

0.006+/-0.000 χ^2/NDF : 4142030.1/48

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: -76.592 $\pm$ 35.841 χ^2 /NDF: 3.5/6

Right Out: 10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

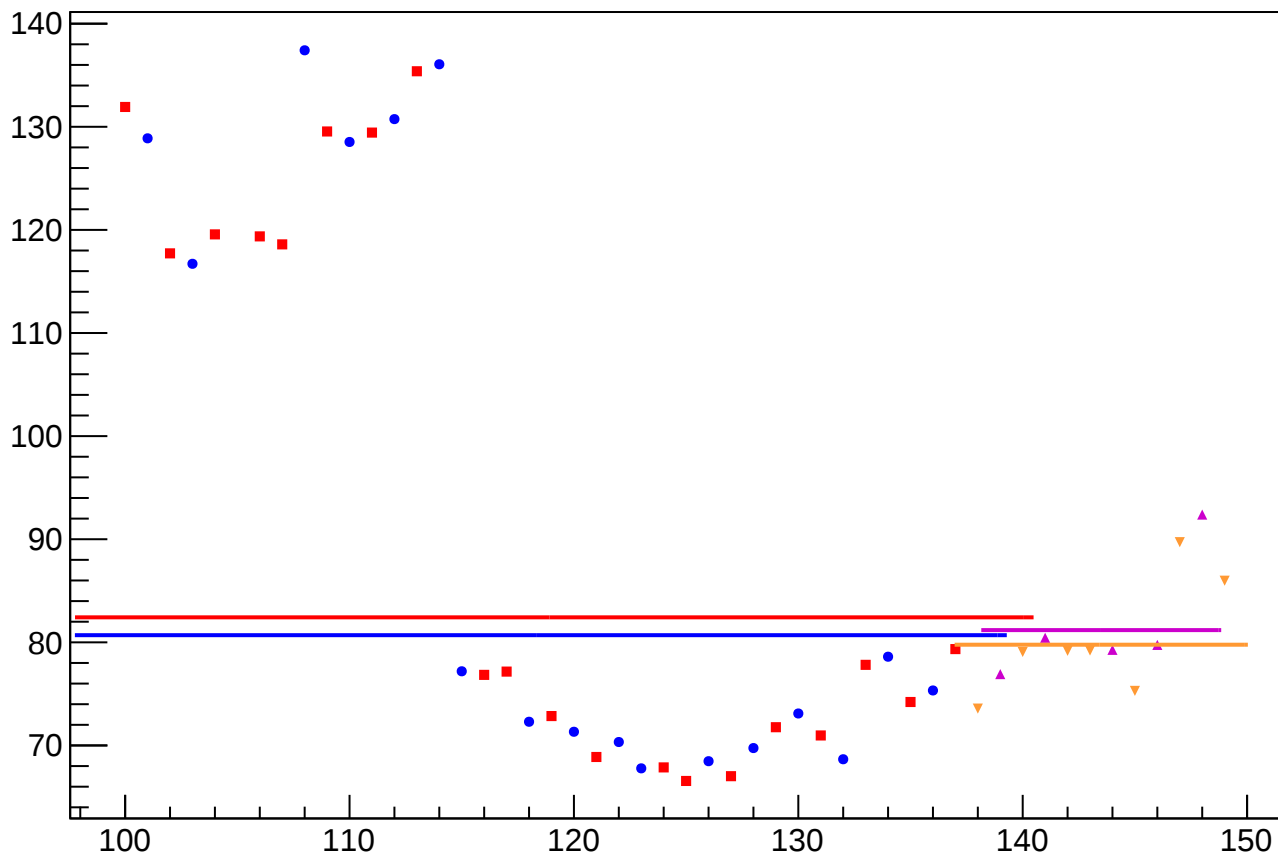
Left In: -170.217 $\pm$ 40.456 χ^2 /NDF: 4.6/4

-13.444 $\pm$ 23.975 χ^2 /NDF: 25.8/23

-35.048 $\pm$ 17.328 χ^2 /NDF: 67.9/48

-58.675 $\pm$ 25.072 χ^2 /NDF: 40.4/24

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2/NDF : 814026.4/16

Left Out: 79.770 $\pm$ 0.025 χ^2/NDF : 43647.6/6

Right Out: 82.424 $\pm$ 0.023 χ^2/NDF : 915282.5/19

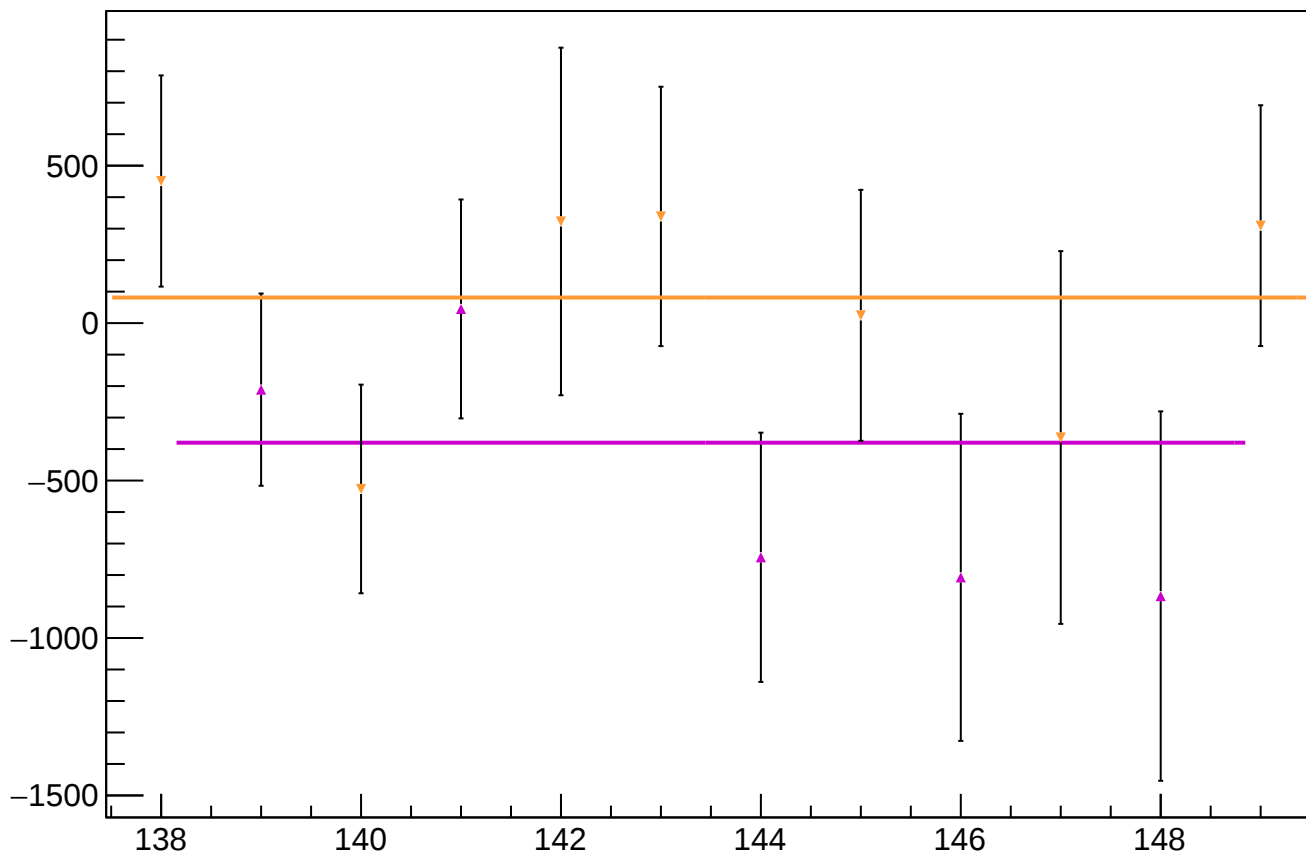
Left In: 81.186 $\pm$ 0.029 χ^2/NDF : 29959.4/4

80.281 $\pm$ 0.017 χ^2/NDF : 858409.1/23

81.077 $\pm$ 0.012 χ^2/NDF : 1809429.8/48

81.949 $\pm$ 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: 81.218+/-152.196 χ^2/NDF : 6.1/6

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

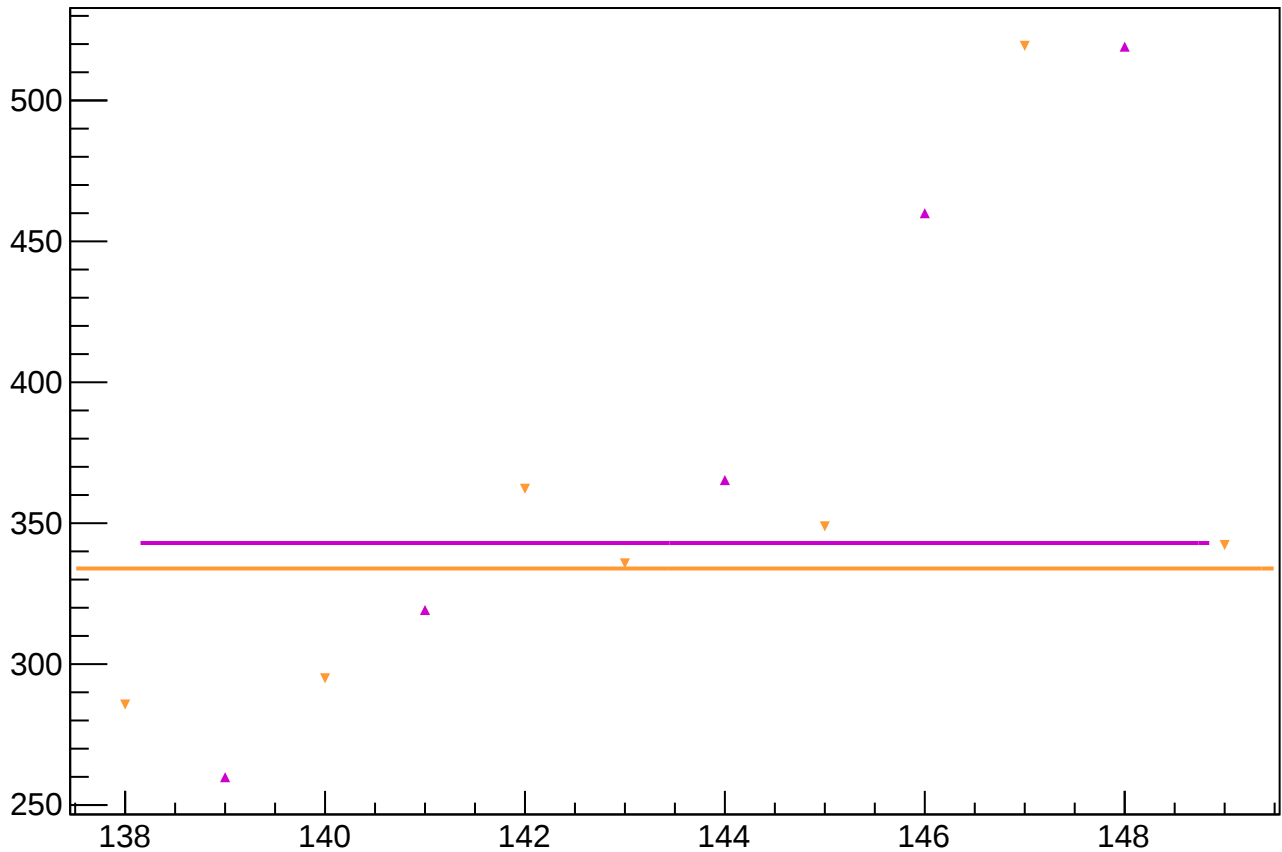
Left In: -379.759+/-176.763 χ^2/NDF : 4.0/4

81.218+/-152.196 χ^2/NDF : 6.1/6

-115.035+/-115.335 χ^2/NDF : 14.0/11

-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: 333.925+/-0.108 χ^2/NDF : 274467.4/6

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

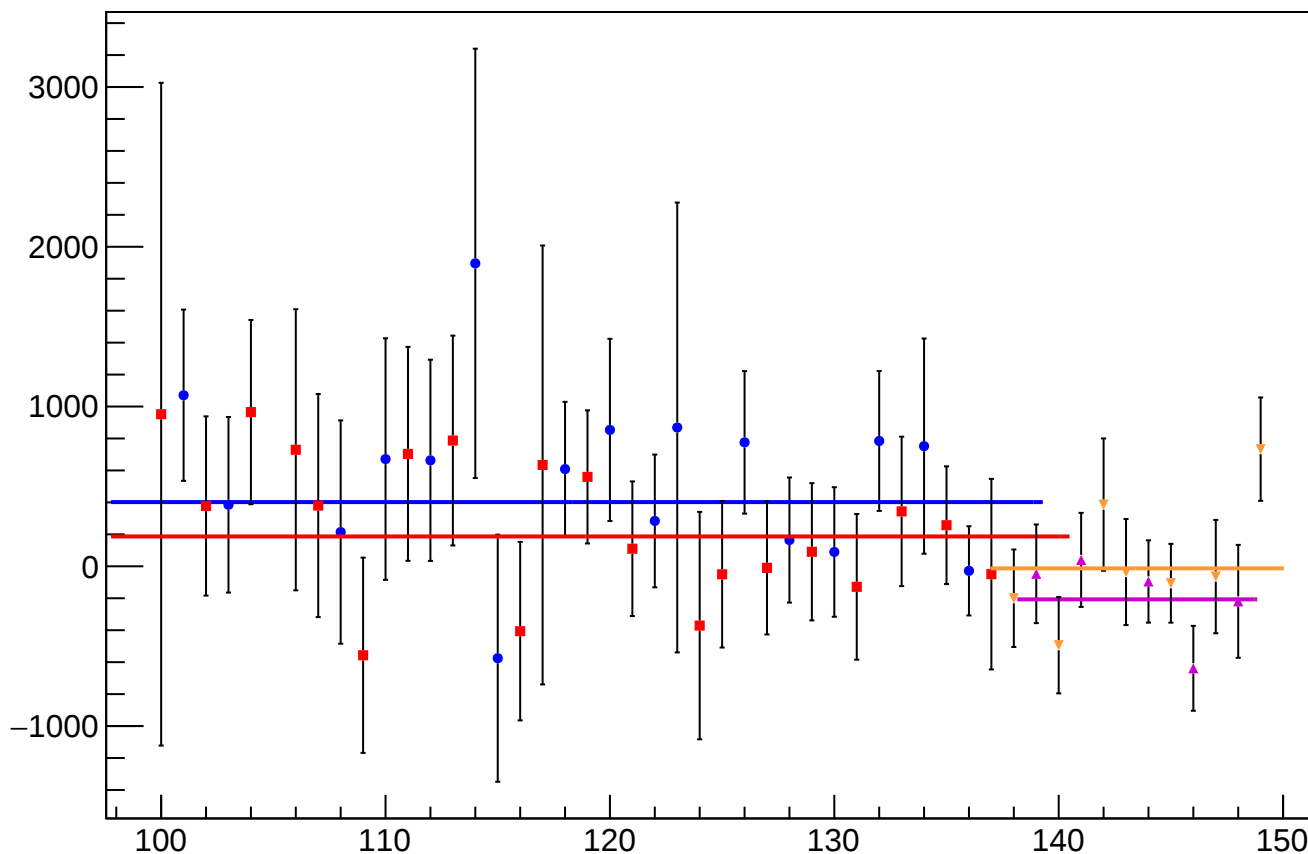
Left In: 342.973+/-0.125 χ^2/NDF : 445695.3/4

333.925+/-0.108 χ^2/NDF : 274467.4/6

337.777+/-0.082 χ^2/NDF : 723171.5/11

342.973+/-0.125 χ^2/NDF : 445695.3/4

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 ± 121.048 χ^2/NDF : 10.9/16

Left Out: -12.865 ± 119.025 χ^2/NDF : 9.3/6

Right Out: 186.914 ± 119.879 χ^2/NDF : 9.4/19

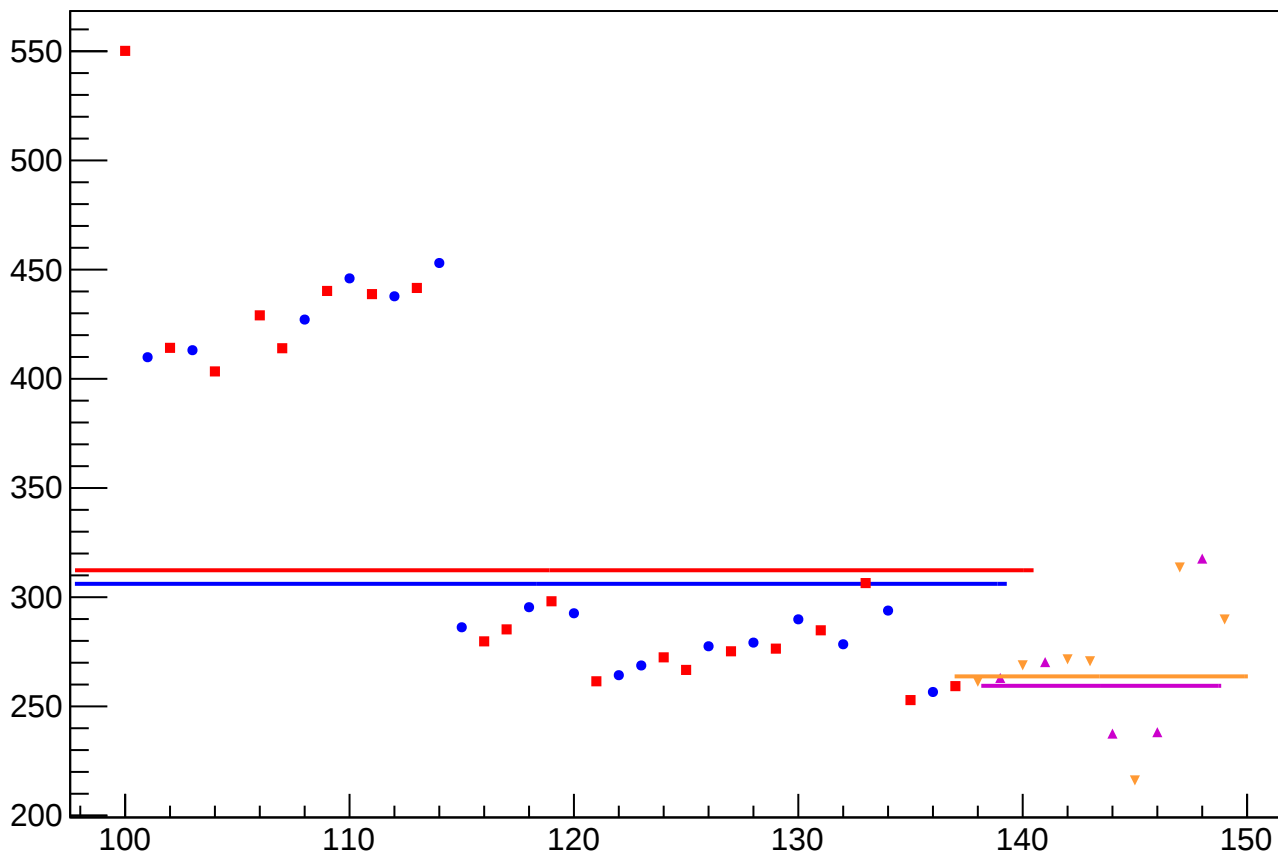
Left In: -206.826 ± 129.906 χ^2/NDF : 3.8/4

191.010 ± 84.869 χ^2/NDF : 26.2/23

101.874 ± 61.122 χ^2/NDF : 46.7/48

5.825 ± 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: 263.743 +/- 0.084 χ^2/NDF : 129374.6/6

Right Out: 312.335 +/- 0.085 χ^2/NDF : 626552.3/19

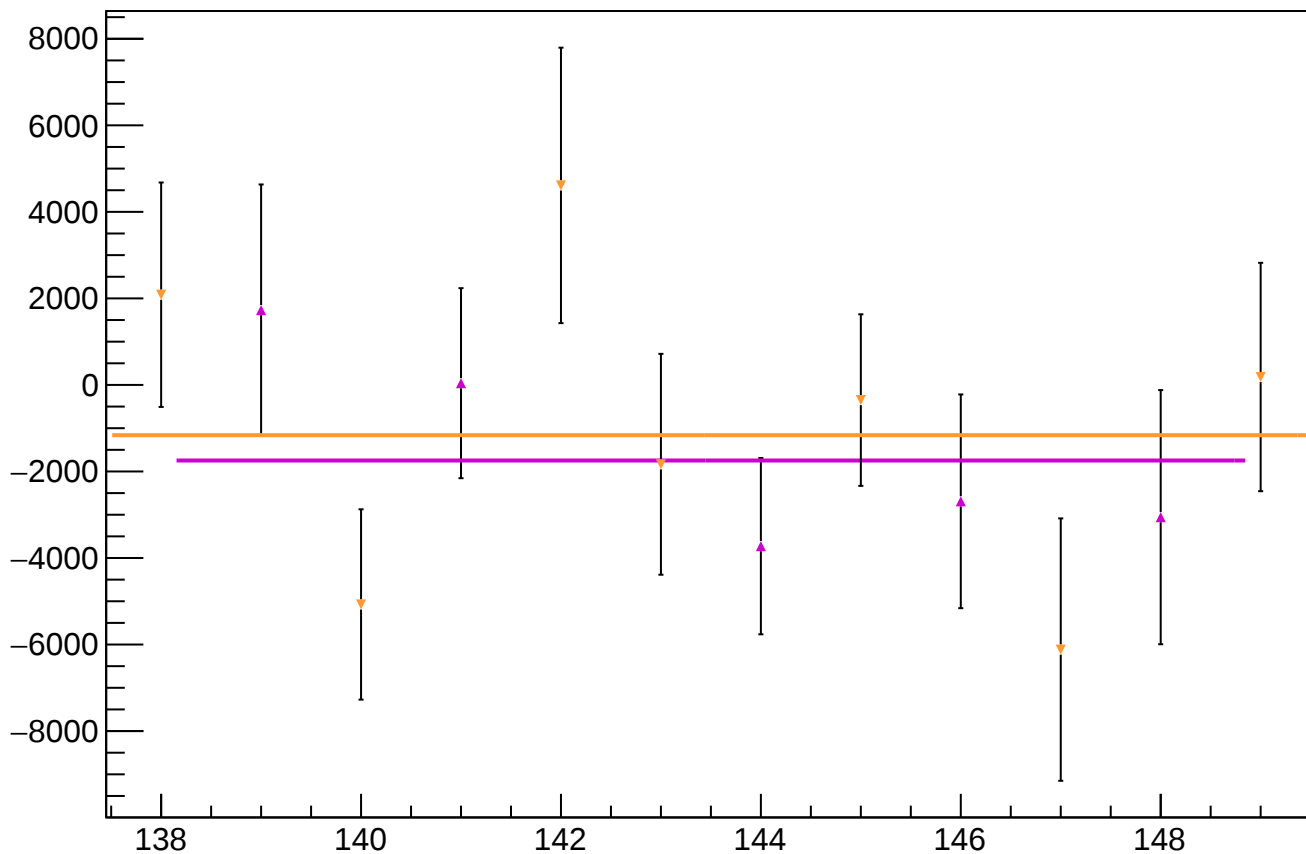
Left In: 259.427 +/- 0.092 χ^2/NDF : 84556.1/4

284.576 +/- 0.060 χ^2/NDF : 762453.0/23

286.225 +/- 0.043 χ^2/NDF : 1654300.8/48

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: -1160.884+/-947.348 χ^2/NDF : 11.2/6

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

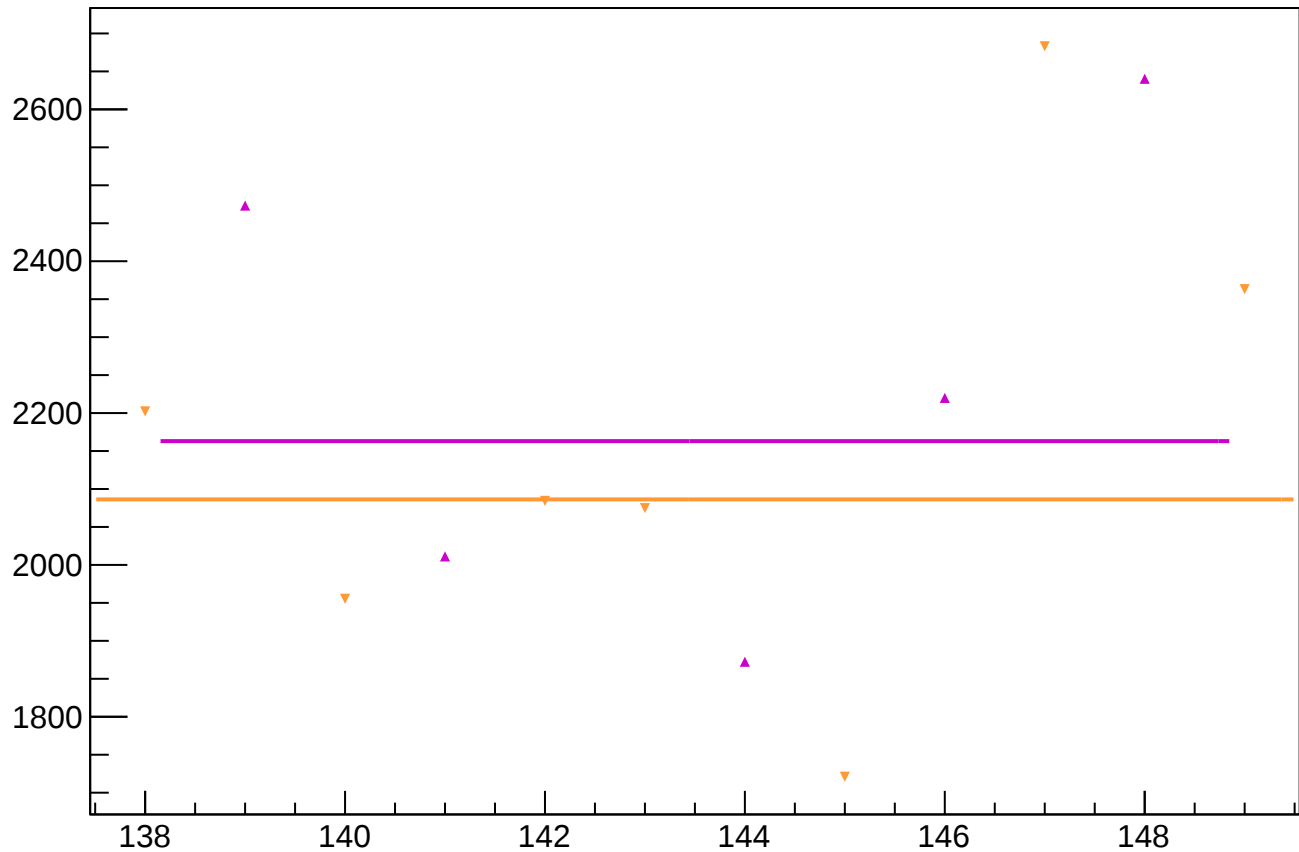
Left In: -1746.526+/-1086.788 χ^2/NDF : 3.4/4

-1160.884+/-947.348 χ^2/NDF : 11.2/6

-1413.747+/-714.121 χ^2/NDF : 14.7/11

-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: 2086.260+/-0.670 χ^2/NDF : 178488.1/6

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

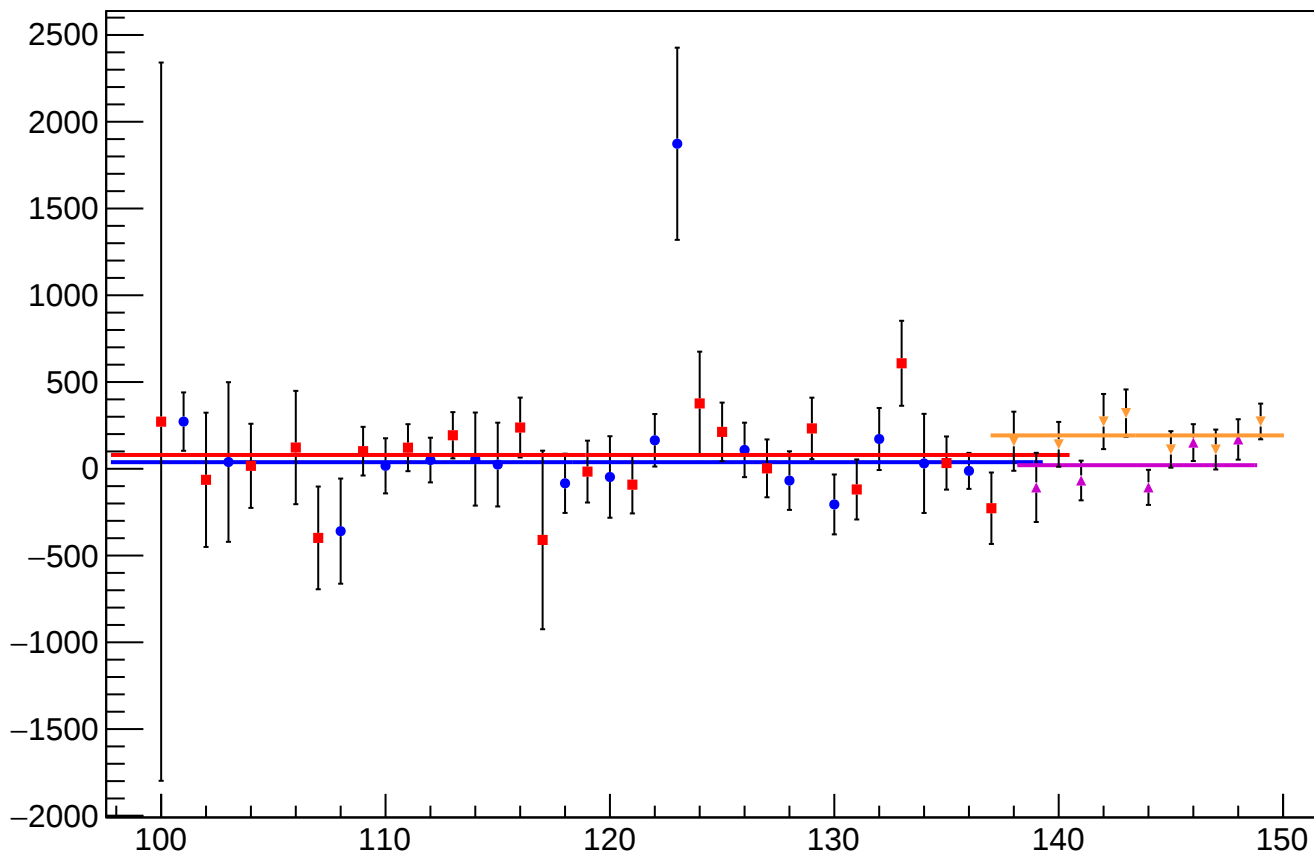
Left In: 2163.051+/-0.768 χ^2/NDF : 126929.0/4

2086.260+/-0.670 χ^2/NDF : 178488.1/6

2119.416+/-0.505 χ^2/NDF : 311090.9/11

2163.051+/-0.768 χ^2/NDF : 126929.0/4

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 192.313+/-47.223 χ^2/NDF : 3.0/6

Right Out: 79.665+/-42.948 χ^2/NDF : 17.6/19

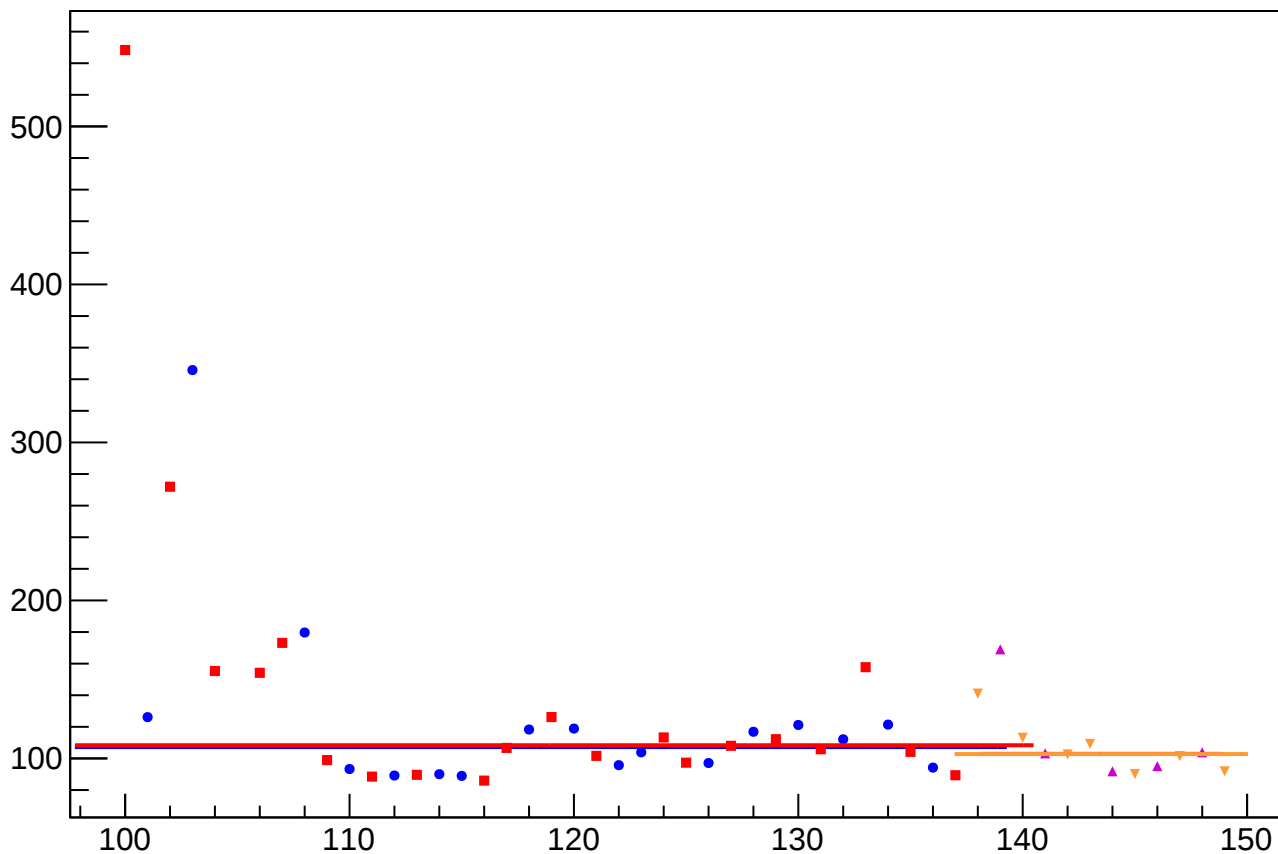
Left In: 20.734+/-52.573 χ^2/NDF : 5.7/4

108.987+/-32.013 χ^2/NDF : 28.2/23

83.543+/-23.065 χ^2/NDF : 53.6/48

56.078+/-33.260 χ^2/NDF : 24.1/24

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 102.772 $\pm$ 0.033 χ^2 /NDF: 169815.3/6

Right Out: 108.347 $\pm$ 0.030 χ^2 /NDF: 917309.2/19

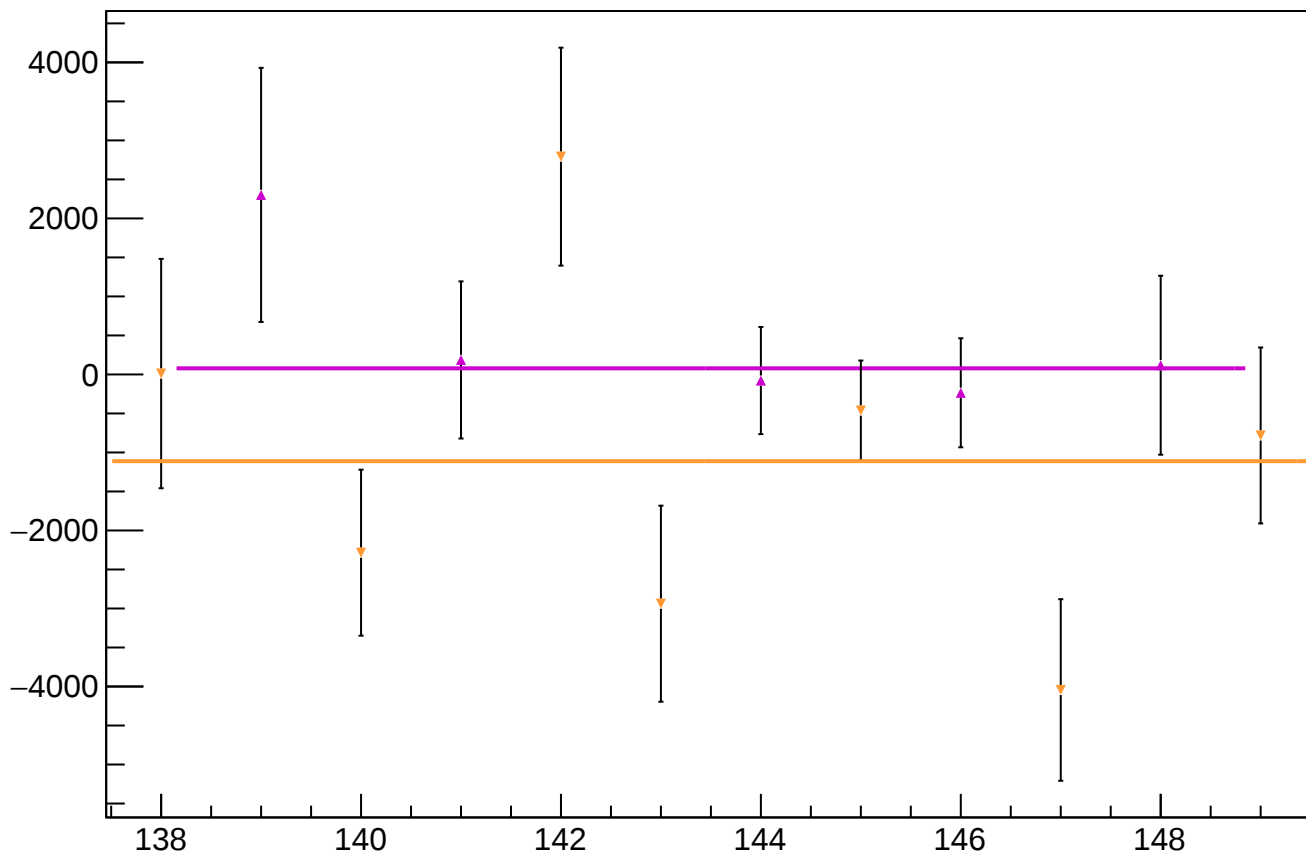
Left In: 102.892 $\pm$ 0.037 χ^2 /NDF: 255121.0/4

105.159 $\pm$ 0.023 χ^2 /NDF: 1022385.4/23

105.642 $\pm$ 0.016 χ^2 /NDF: 2208675.8/48

106.164 $\pm$ 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: -1111.802+/-393.770 χ^2/NDF : 19.2/6

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

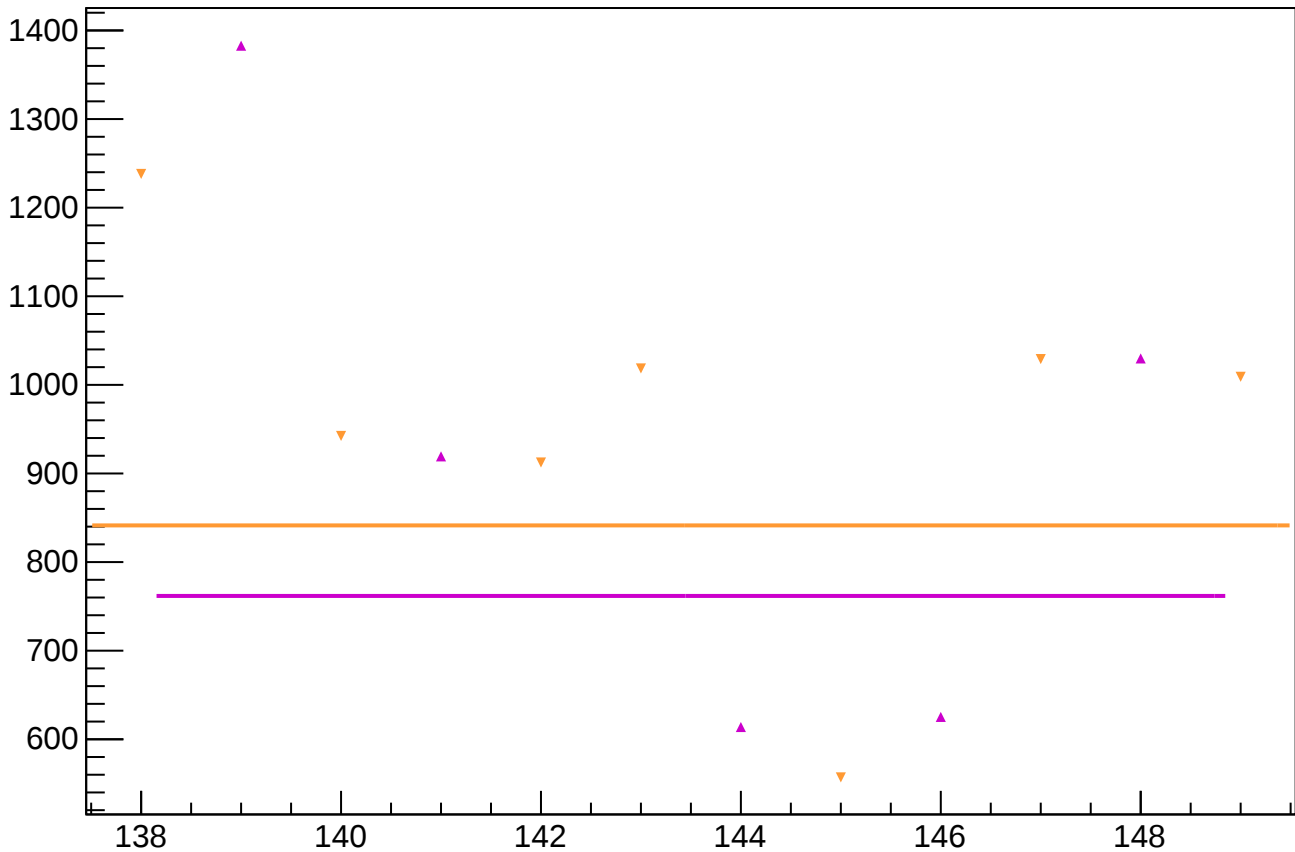
Left In: 78.493+/-398.692 χ^2/NDF : 2.1/4

-1111.802+/-393.770 χ^2/NDF : 19.2/6

-524.048+/-280.161 χ^2/NDF : 25.8/11

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: 841.393+/-0.278 χ^2/NDF : 698410.1/6

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

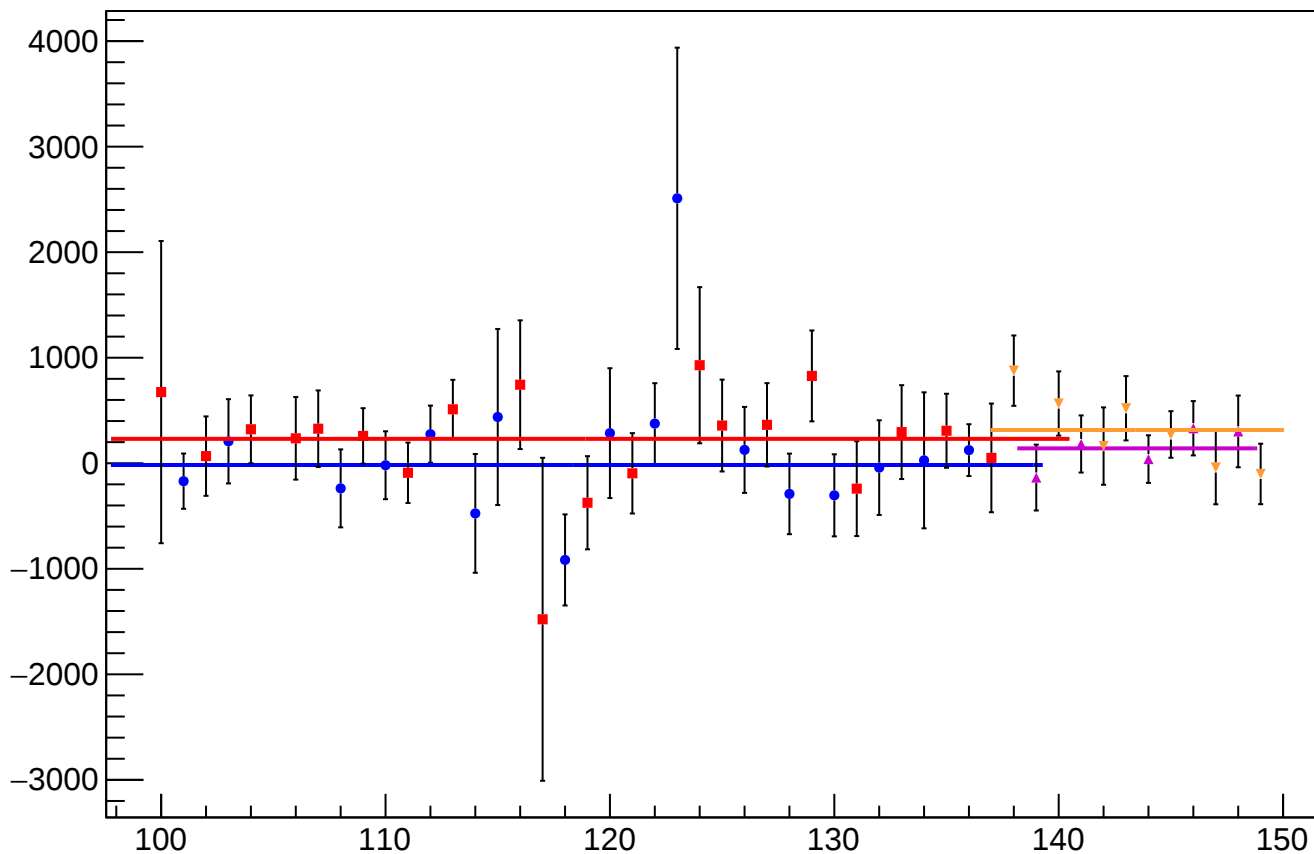
Left In: 761.794+/-0.282 χ^2/NDF : 618120.4/4

841.393+/-0.278 χ^2/NDF : 698410.1/6

802.088+/-0.198 χ^2/NDF : 1356885.6/11

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: 315.117 ± 112.526 $\chi^2/\text{NDF}: 7.3/6$

Right Out: 231.209 ± 88.787 $\chi^2/\text{NDF}: 11.6/19$

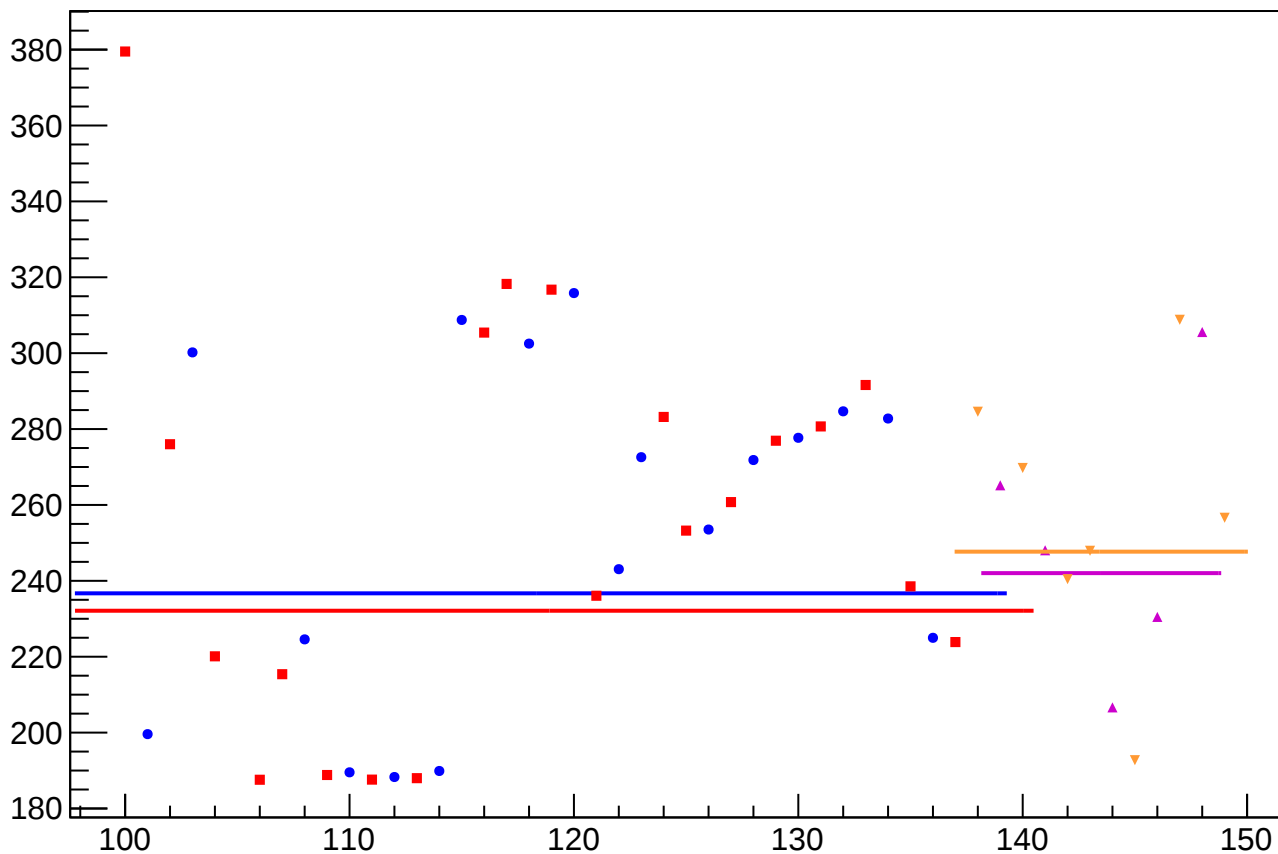
Left In: 141.043 ± 121.829 $\chi^2/\text{NDF}: 1.8/4$

118.598 ± 71.816 $\chi^2/\text{NDF}: 25.9/23$

159.300 ± 50.759 $\chi^2/\text{NDF}: 40.3/48$

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: 247.689 +/- 0.080 χ^2/NDF : 223169.9/6

Right Out: 232.119 +/- 0.063 χ^2/NDF : 449633.1/19

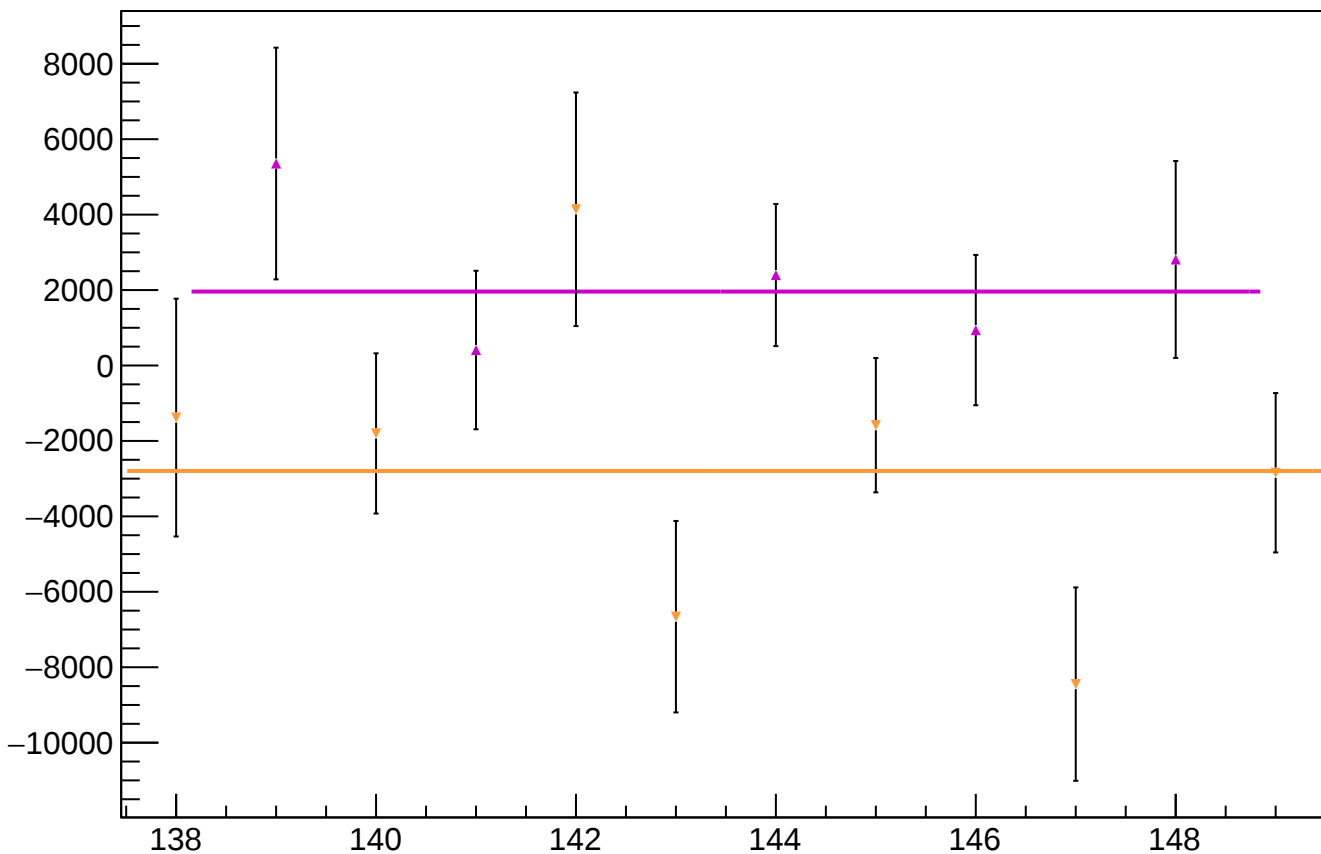
Left In: 242.030 +/- 0.086 χ^2/NDF : 135199.0/4

241.180 +/- 0.051 χ^2/NDF : 624806.9/23

238.366 +/- 0.036 χ^2/NDF : 1224418.7/48

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: -2797.133+/-886.306 χ^2/NDF :13.1/6

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

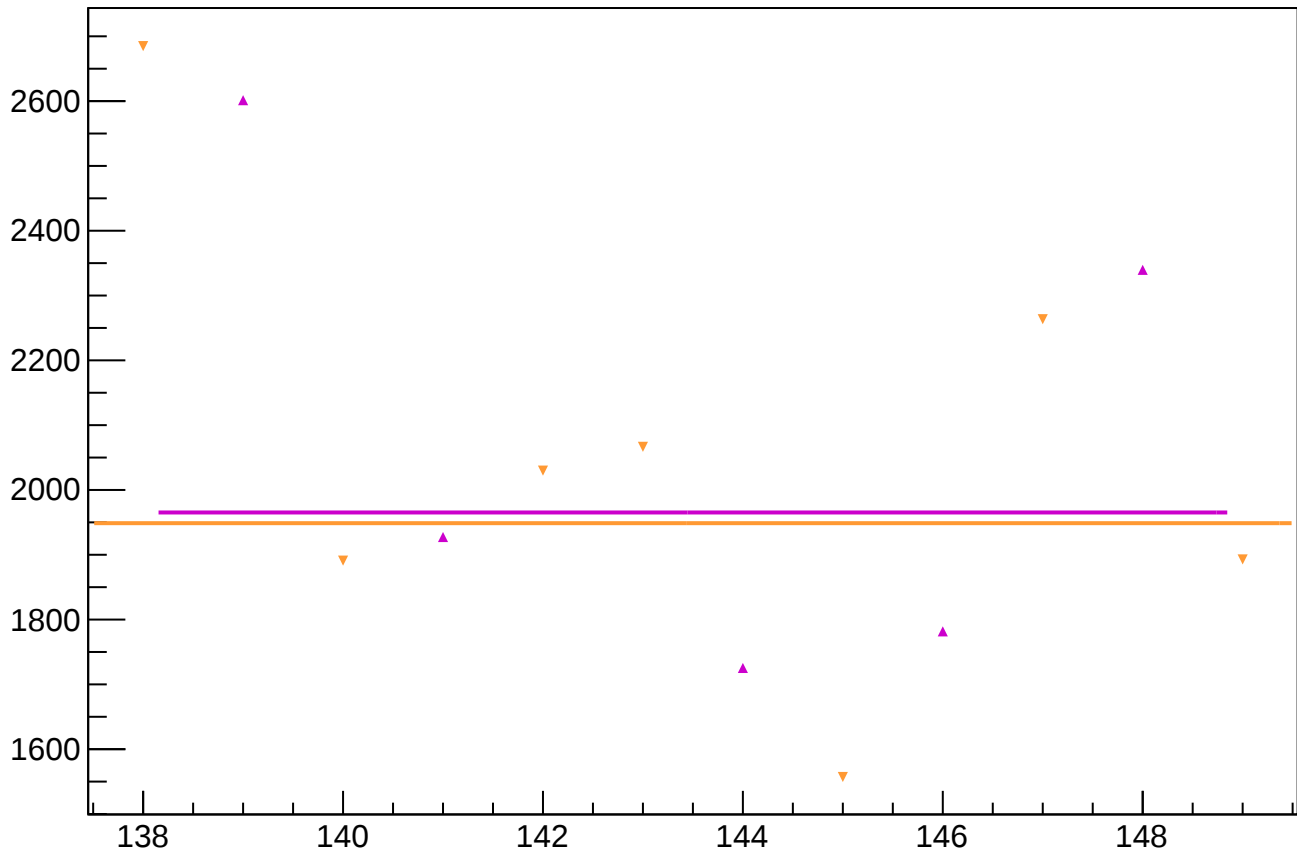
Left In: 1960.043+/-993.669 χ^2/NDF :2.2/4

-2797.133+/-886.306 χ^2/NDF : 13.1/6

-689.337+/-661.426 χ^2/NDF : 28.0/11

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: 1948.749+/-0.627 χ^2/NDF : 244420.7/6

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

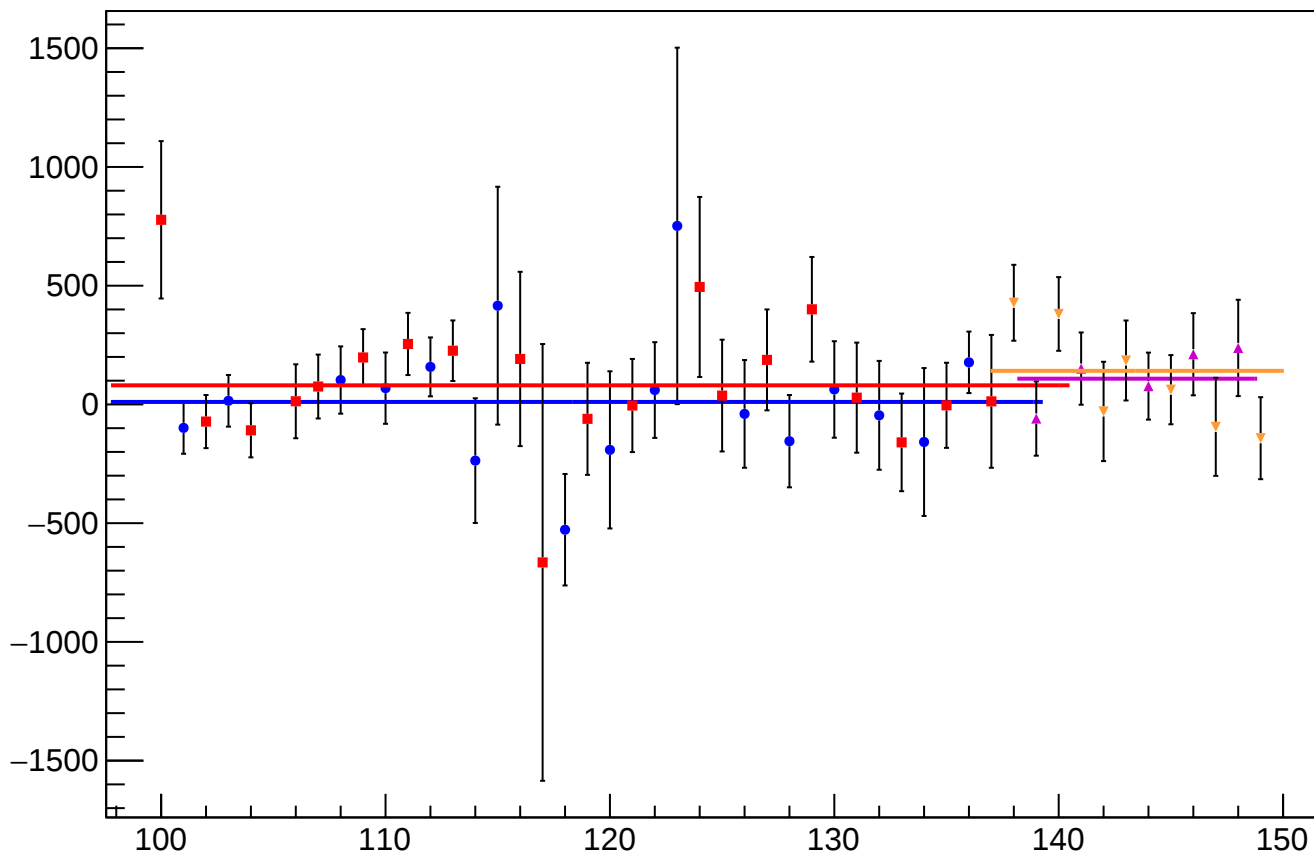
Left In: 1965.257+/-0.703 χ^2/NDF : 176979.0/4

1948.749+/-0.627 χ^2/NDF : 244420.7/6

1956.063+/-0.468 χ^2/NDF : 421707.2/11

1965.257+/-0.703 χ^2/NDF : 176979.0/4

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 141.445+/-64.156 χ^2/NDF : 10.6/6

Right Out: 80.462+/-38.950 χ^2/NDF : 19.9/19

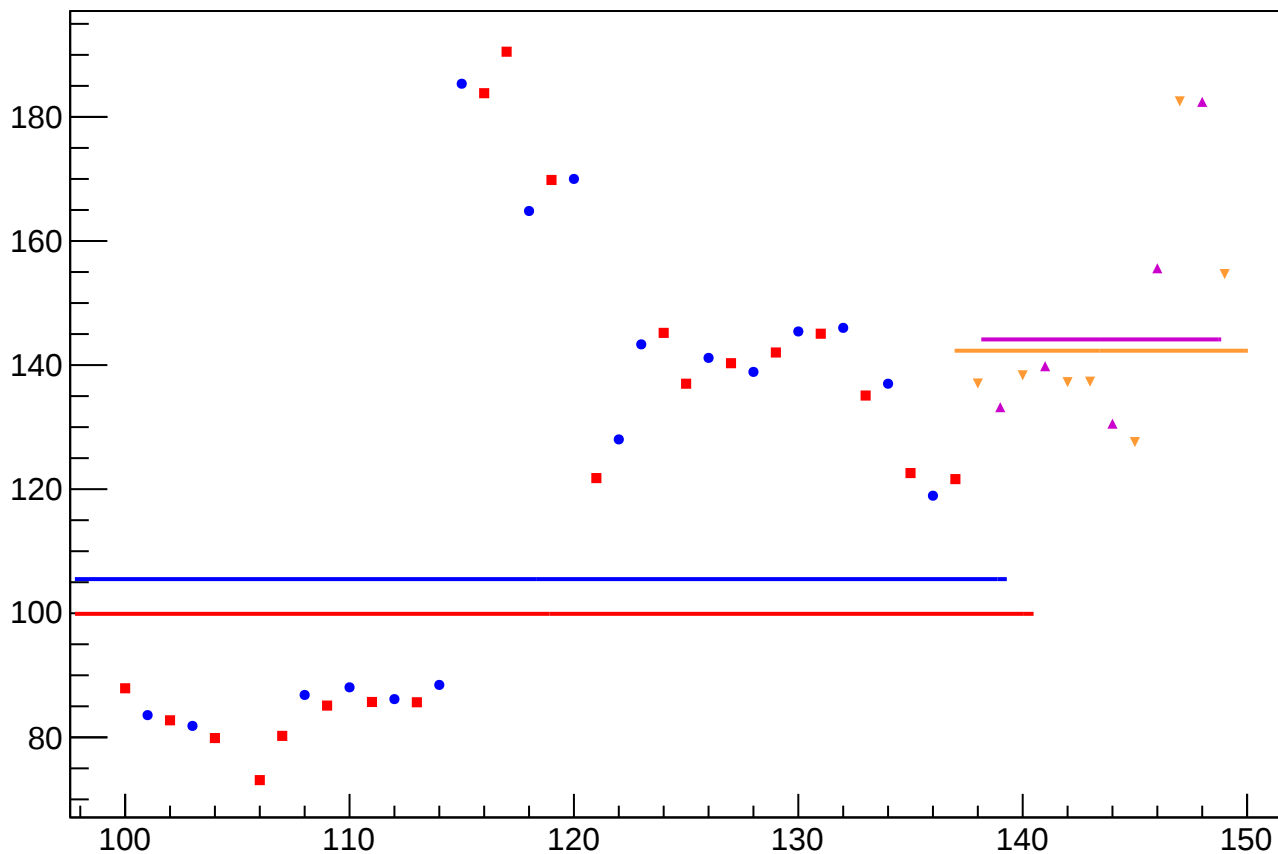
Left In: 108.364+/-72.173 χ^2/NDF : 2.0/4

50.190+/-35.312 χ^2/NDF : 27.6/23

69.016+/-24.595 χ^2/NDF : 50.2/48

86.755+/-34.277 χ^2/NDF : 22.0/24

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 +/- 0.030 χ^2/NDF : 869022.6/16

Left Out: 142.319 +/- 0.045 χ^2/NDF : 112946.3/6

Right Out: 99.907 +/- 0.028 χ^2/NDF : 1019545.3/19

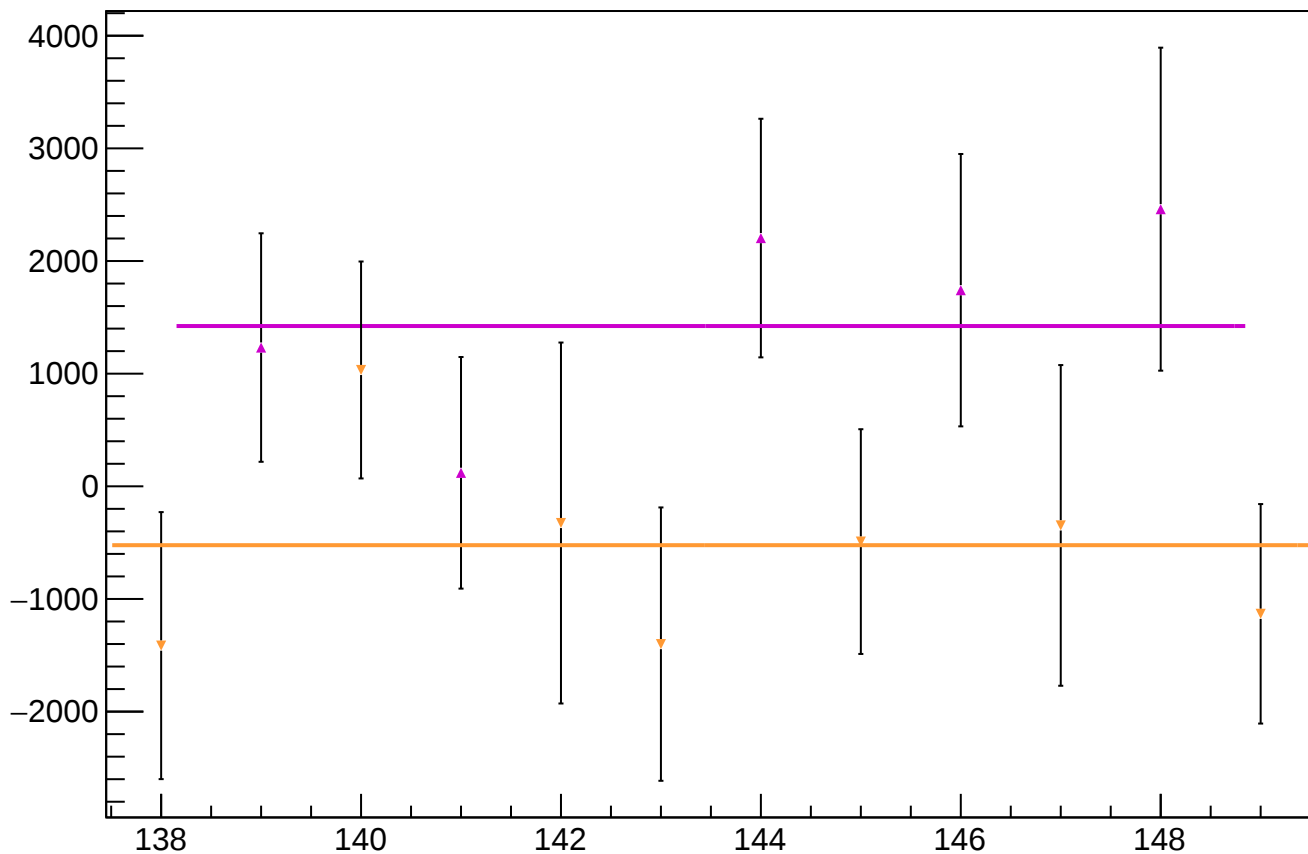
Left In: 144.136 +/- 0.051 χ^2/NDF : 109973.5/4

116.656 +/- 0.025 χ^2/NDF : 1441057.0/23

113.169 +/- 0.017 χ^2/NDF : 3190139.7/48

109.883 +/- 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: -522.657+/-429.882 χ^2/NDF : 4.1/6

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

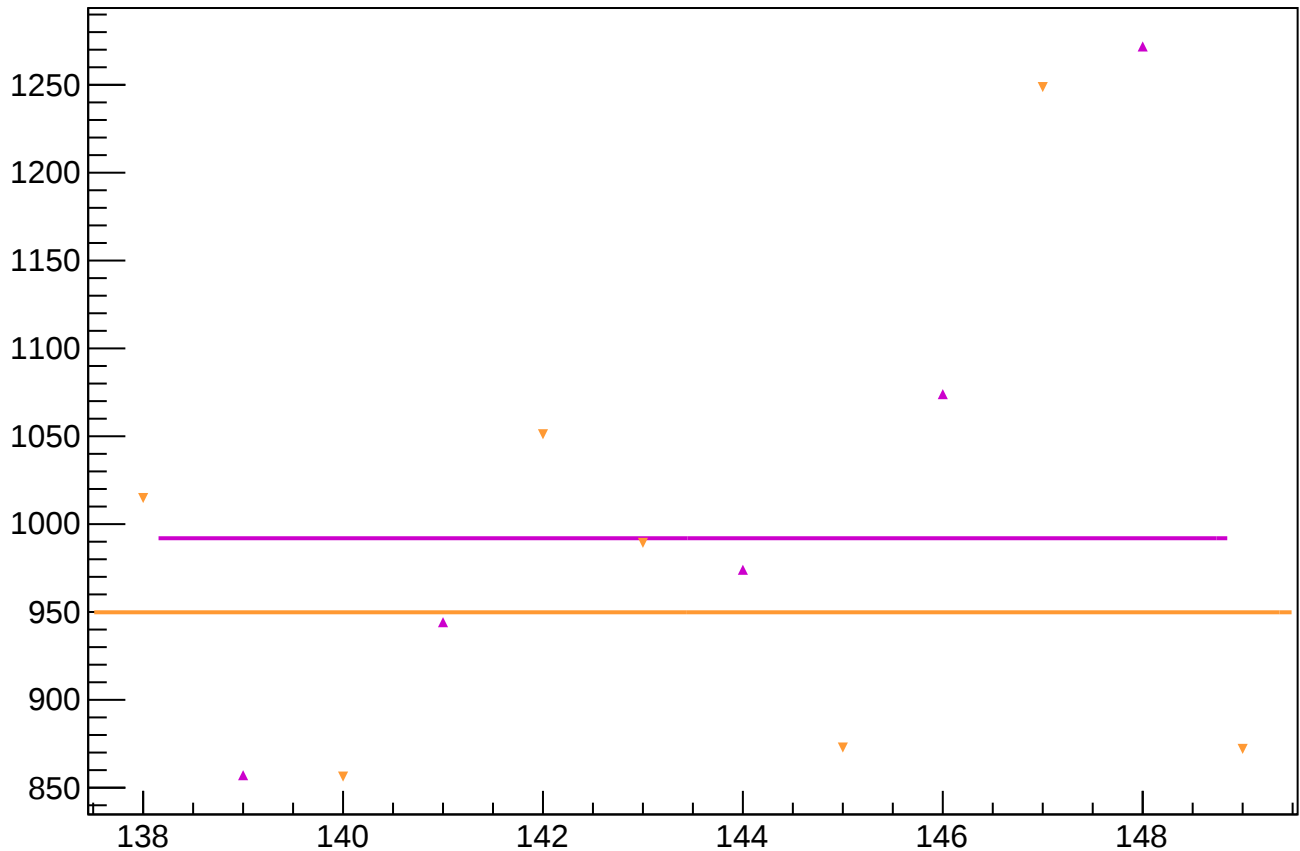
Left In: 1422.863+/-501.214 χ^2/NDF : 2.8/4

-522.657+/-429.882 χ^2/NDF : 4.1/6

301.925+/-326.304 χ^2/NDF : 15.6/11

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: 949.825+/-0.304 χ^2/NDF : 147827.7/6

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

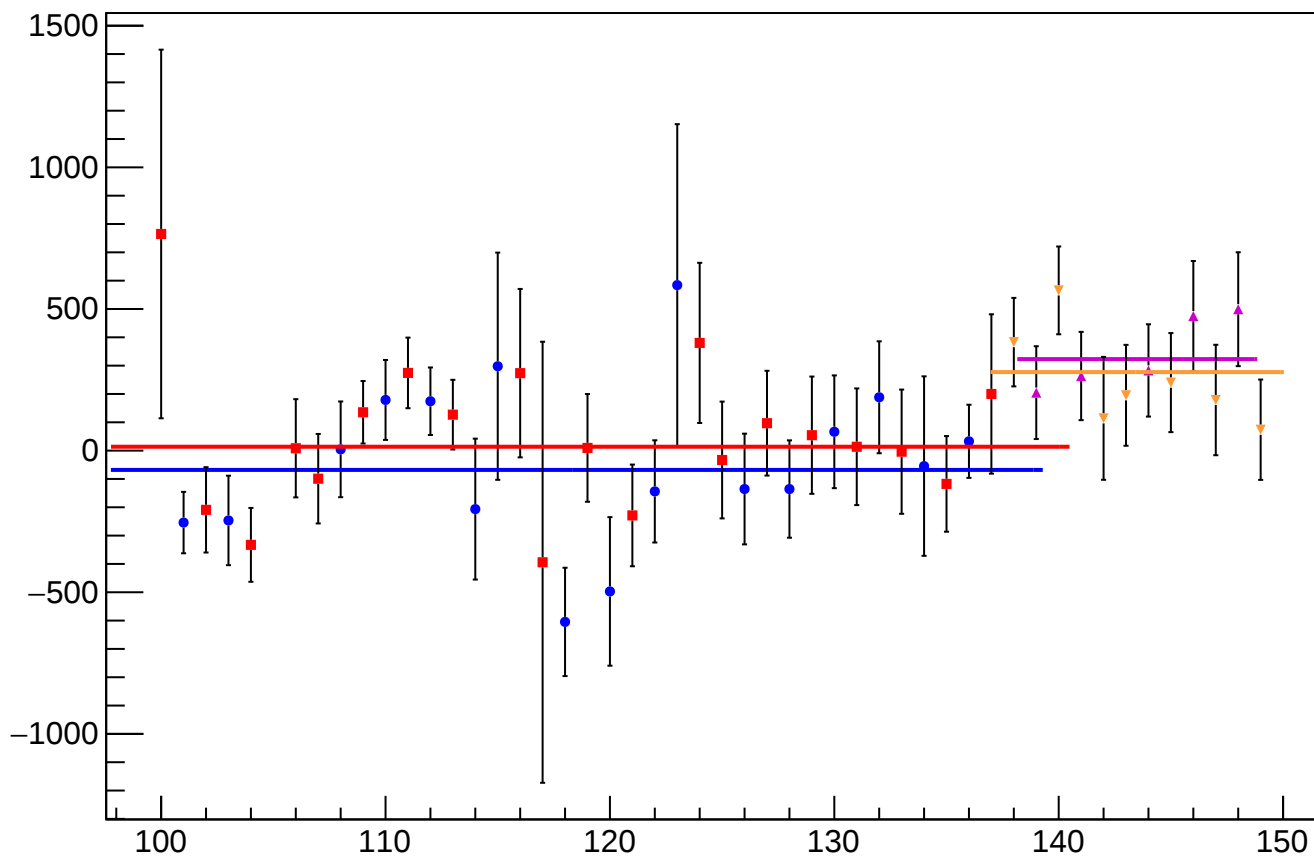
Left In: 991.967+/-0.354 χ^2/NDF : 125670.1/4

949.825+/-0.304 χ^2/NDF : 147827.7/6

967.686+/-0.231 χ^2/NDF : 281644.0/11

991.967+/-0.354 χ^2/NDF : 125670.1/4

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 $\pm$ 42.265 χ^2/NDF : 27.8/16

Left Out: 277.215 $\pm$ 66.469 χ^2/NDF : 6.3/6

Right Out: 13.752 $\pm$ 39.416 χ^2/NDF : 23.4/19

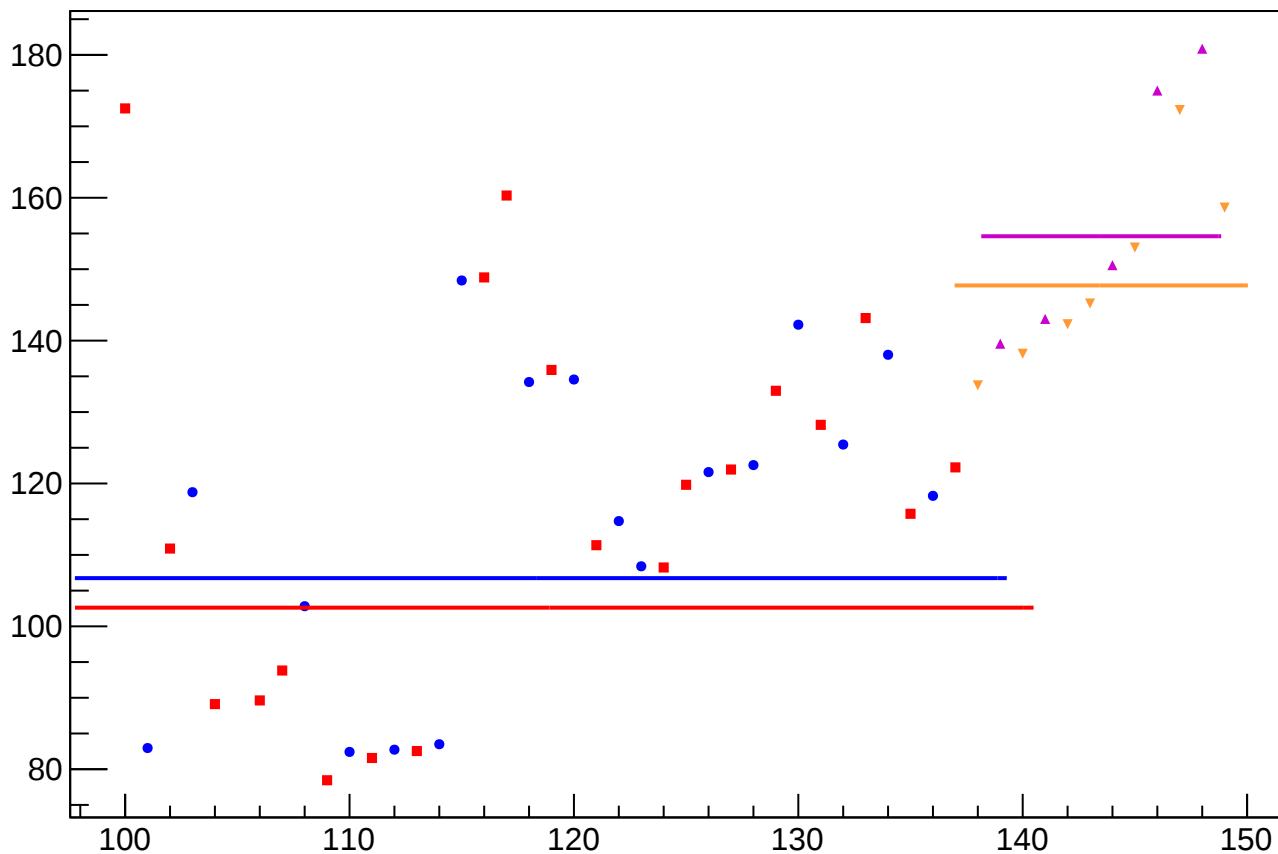
Left In: 323.088 $\pm$ 77.304 χ^2/NDF : 2.1/4

31.314 $\pm$ 35.666 χ^2/NDF : 53.4/23

54.807 $\pm$ 25.022 χ^2/NDF : 92.4/48

77.579 $\pm$ 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: 147.726 $\pm$ 0.047 χ^2 /NDF: 66460.3/6

Right Out: 102.615 $\pm$ 0.028 χ^2 /NDF: 600357.6/19

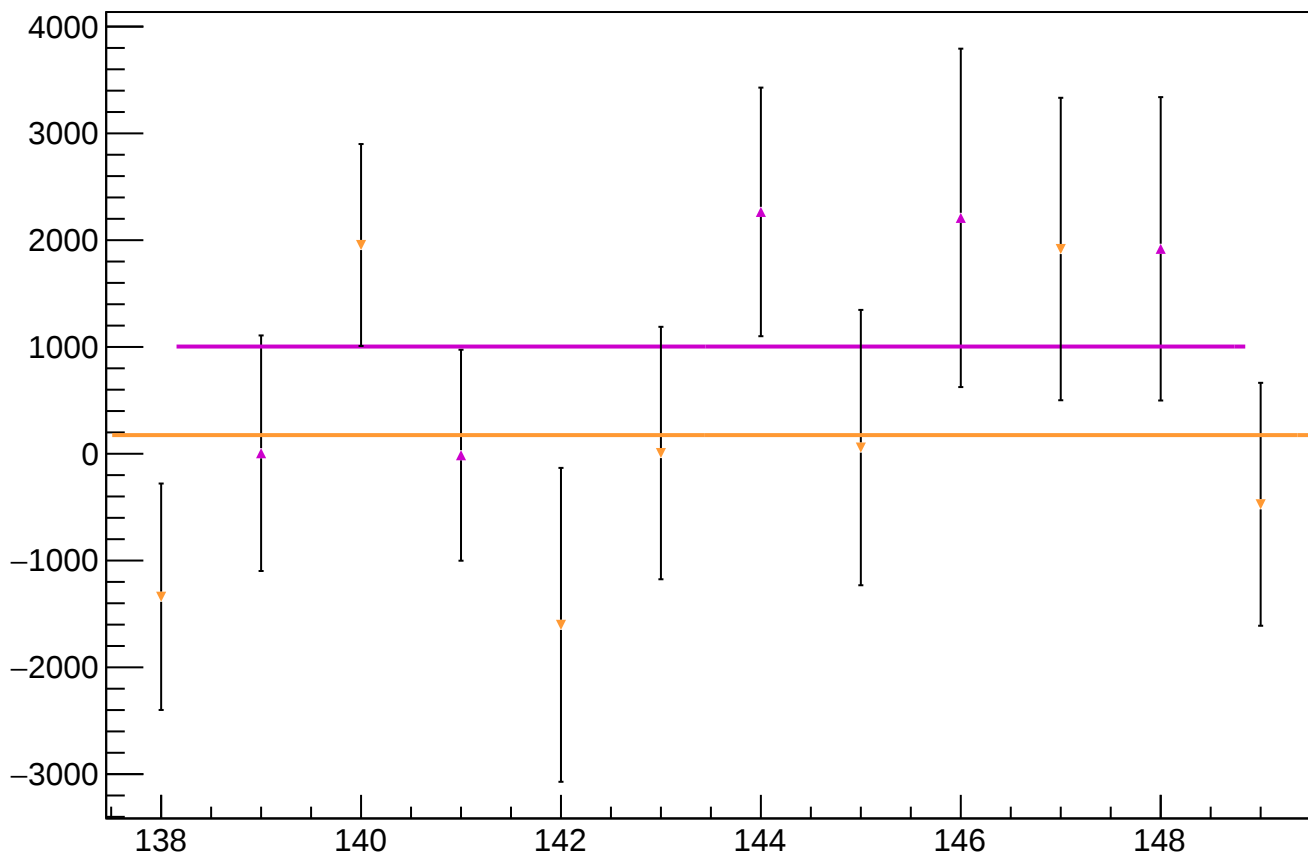
Left In: 154.612 $\pm$ 0.055 χ^2 /NDF: 85277.8/4

118.547 $\pm$ 0.025 χ^2 /NDF: 1109459.0/23

115.905 $\pm$ 0.018 χ^2 /NDF: 2534857.0/48

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: 174.692+/-444.533 χ^2/NDF : 8.9/6

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

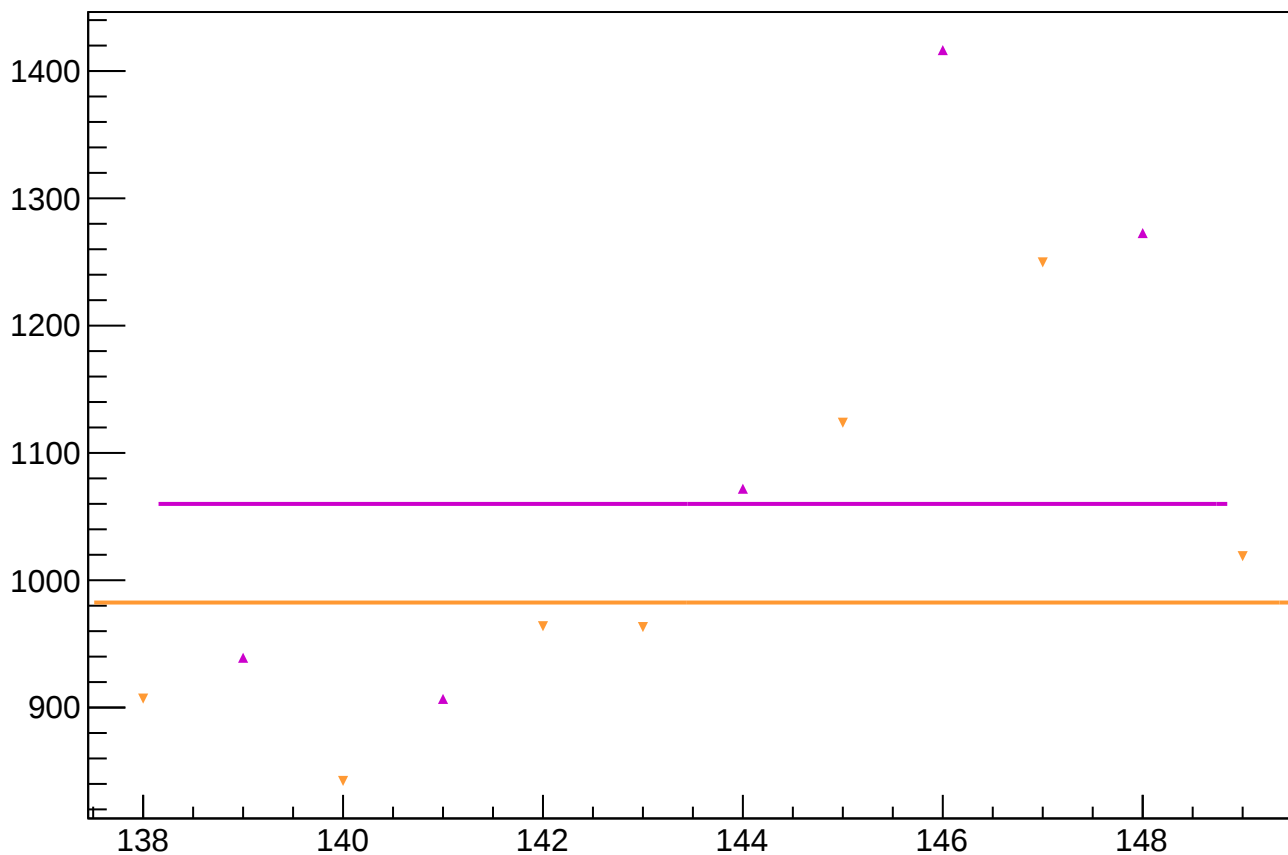
Left In: 1003.992+/-536.136 χ^2/NDF : 4.0/4

174.692+/-444.533 χ^2/NDF : 8.9/6

512.548+/-342.204 χ^2/NDF : 14.4/11

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: 982.487+/-0.314 χ^2/NDF : 152189.5/6

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

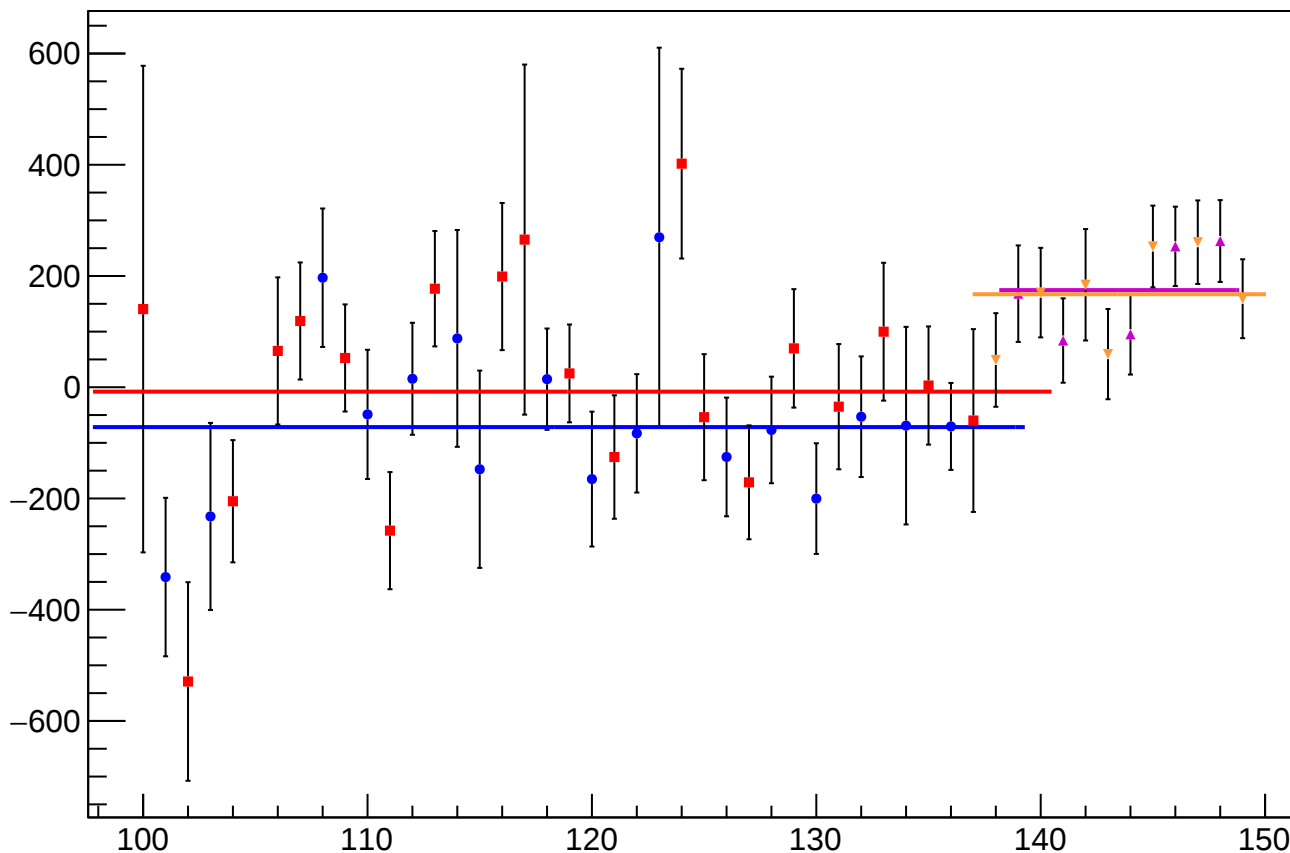
Left In: 1059.954+/-0.379 χ^2/NDF : 218423.6/4

982.487+/-0.314 χ^2/NDF : 152189.5/6

1014.047+/-0.242 χ^2/NDF : 395357.8/11

1059.954+/-0.379 χ^2/NDF : 218423.6/4

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 $\pm$ 28.358 χ^2 /NDF: 15.2/16

Left Out: 167.247 $\pm$ 30.038 χ^2 /NDF: 6.7/6

Right Out: -7.933 $\pm$ 26.719 χ^2 /NDF: 37.2/19

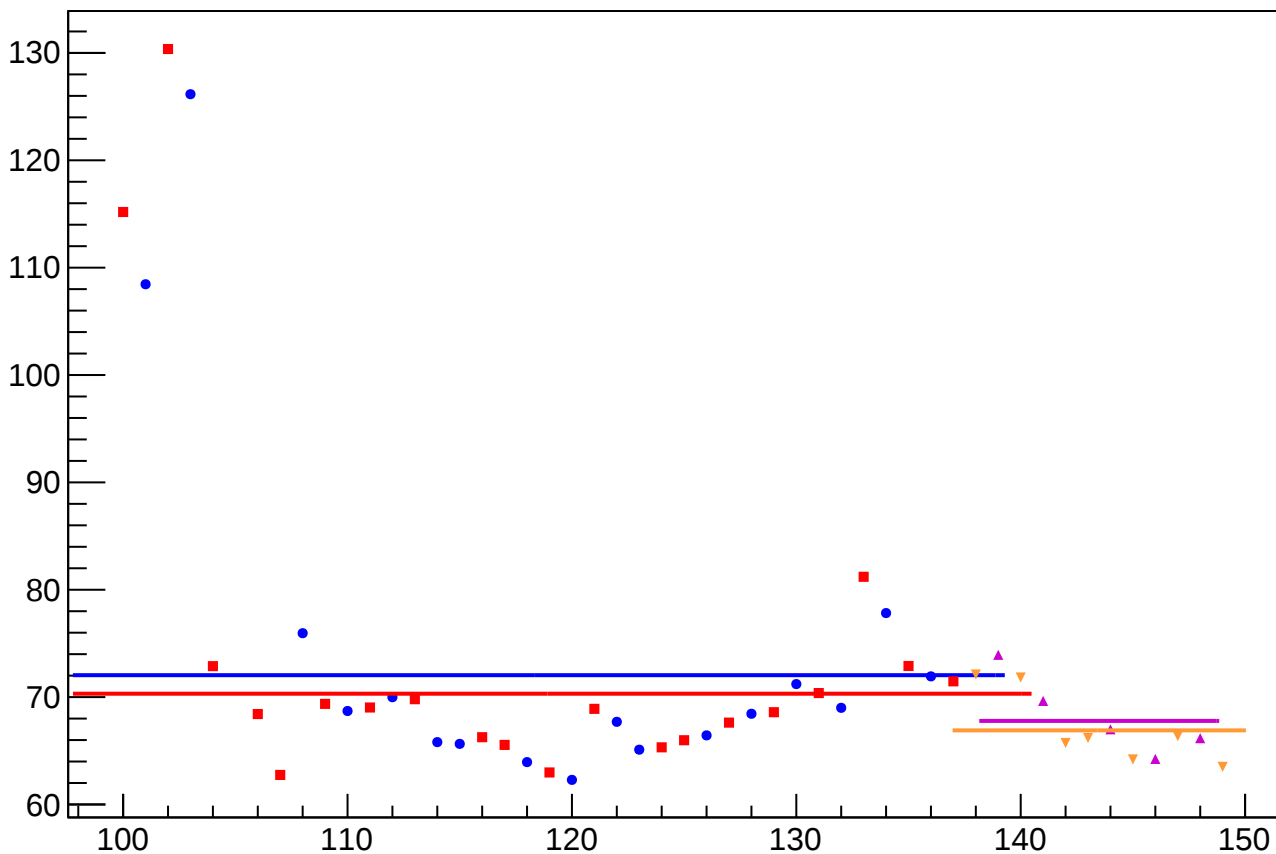
Left In: 174.626 $\pm$ 33.738 χ^2 /NDF: 5.3/4

40.923 $\pm$ 20.620 χ^2 /NDF: 55.4/23

51.511 $\pm$ 14.695 χ^2 /NDF: 116.4/48

62.435 $\pm$ 20.946 χ^2 /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: 66.900±/0.021 χ^2/NDF : 22946.8/6

Right Out: 70.316±/0.019 χ^2/NDF : 299468.0/19

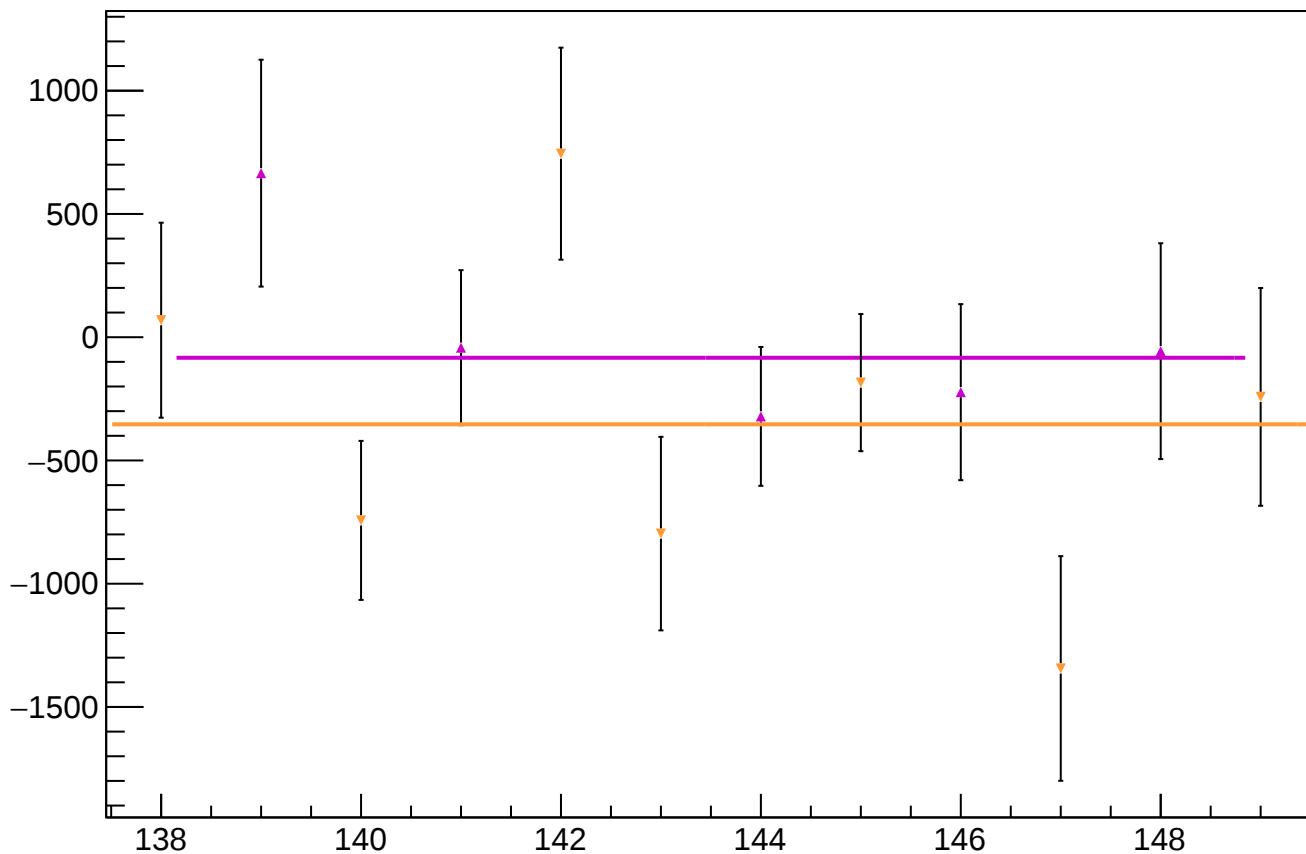
Left In: 67.782±/0.024 χ^2/NDF : 17379.3/4

69.619±/0.015 χ^2/NDF : 445906.8/23

69.482±/0.010 χ^2/NDF : 769869.2/48

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: -353.415+/-140.353 χ^2/NDF :15.6/6

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

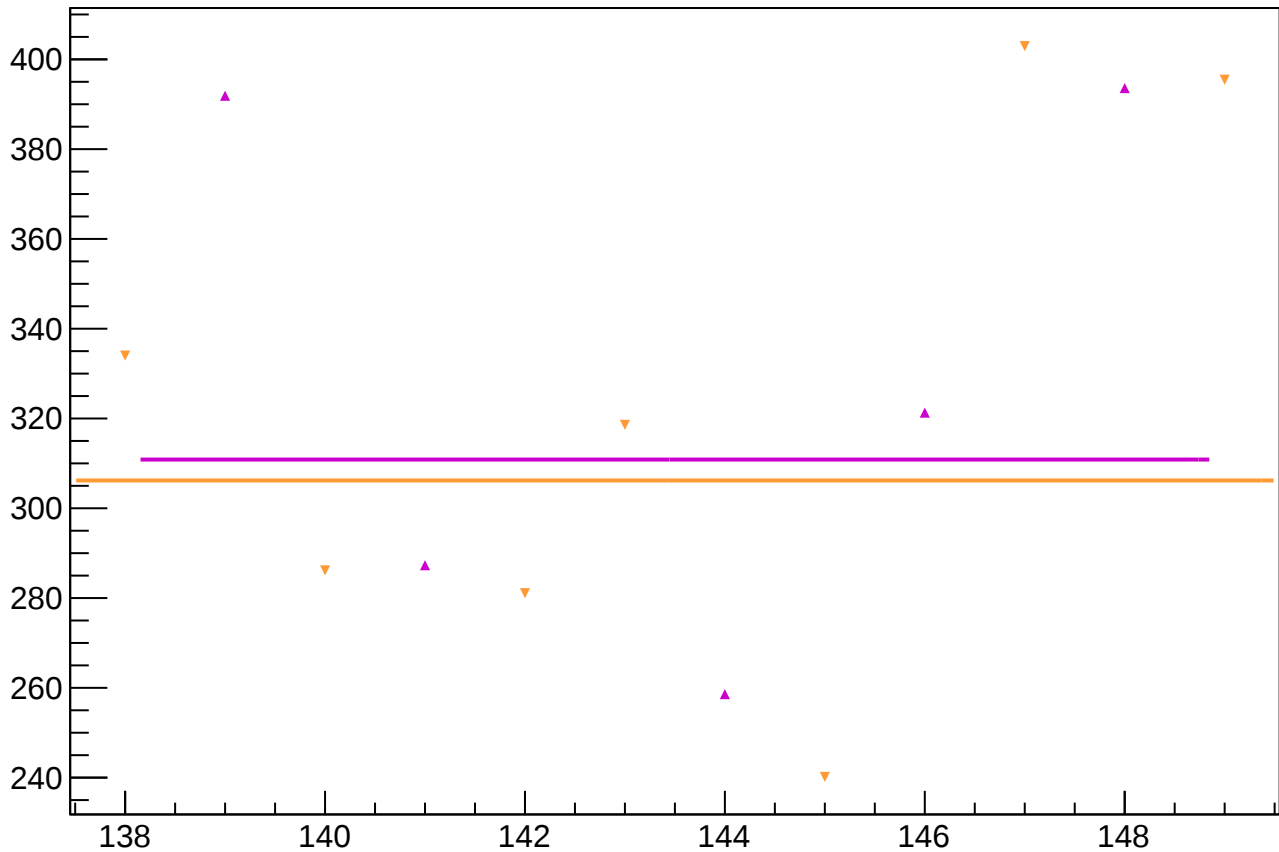
Left In: -83.395+/-157.129 χ^2/NDF :3.5/4

-353.415+/-140.353 χ^2/NDF : 15.6/6

-233.584+/-104.675 χ^2/NDF : 20.7/11

-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: 306.195+/-0.099 χ^2/NDF : 310988.8/6

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

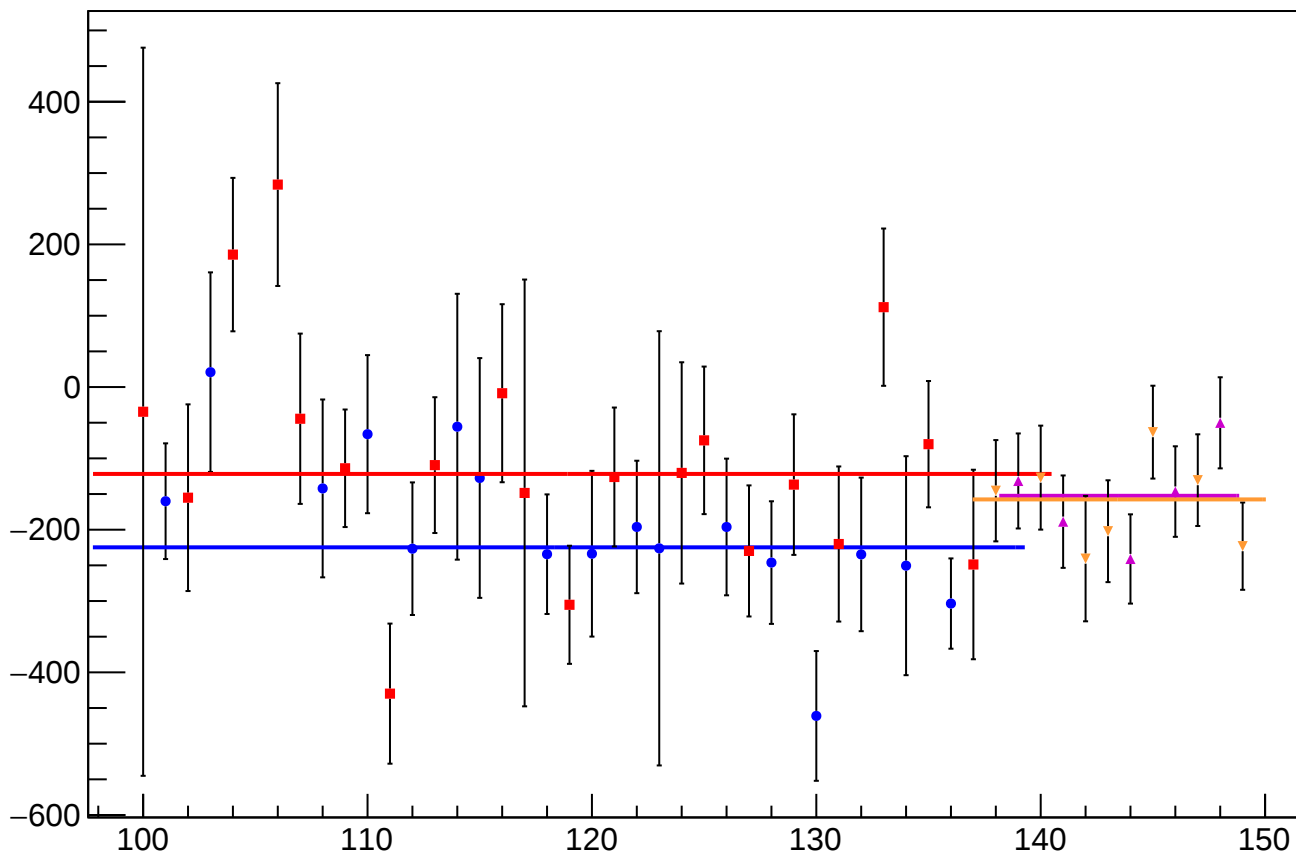
Left In: 310.853+/-0.111 χ^2/NDF : 215229.8/4

306.195+/-0.099 χ^2/NDF : 310988.8/6

308.262+/-0.074 χ^2/NDF : 527195.9/11

310.853+/-0.111 χ^2/NDF : 215229.8/4

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -157.551 ± 26.199 $\chi^2/\text{NDF}: 4.9/6$

Right Out: -121.814 ± 24.516 $\chi^2/\text{NDF}: 40.5/19$

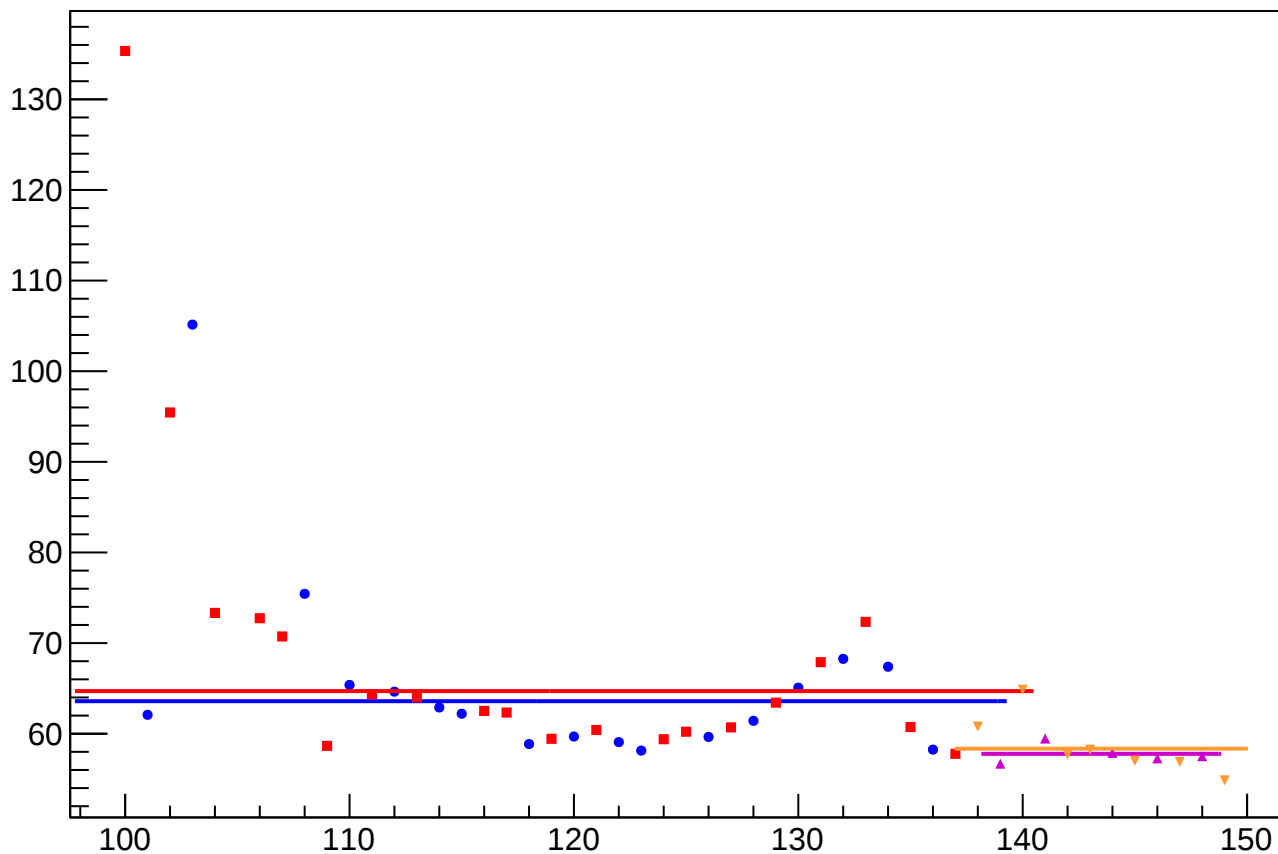
Left In: -152.484 ± 28.718 $\chi^2/\text{NDF}: 5.0/4$

-192.871 ± 18.041 $\chi^2/\text{NDF}: 24.3/23$

-164.765 ± 12.966 $\chi^2/\text{NDF}: 75.5/48$

-134.743 ± 18.646 $\chi^2/\text{NDF}: 46.1/24$

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 58.349+/-0.019 χ^2/NDF : 26811.6/6

Right Out: 64.704+/-0.017 χ^2/NDF : 227632.6/19

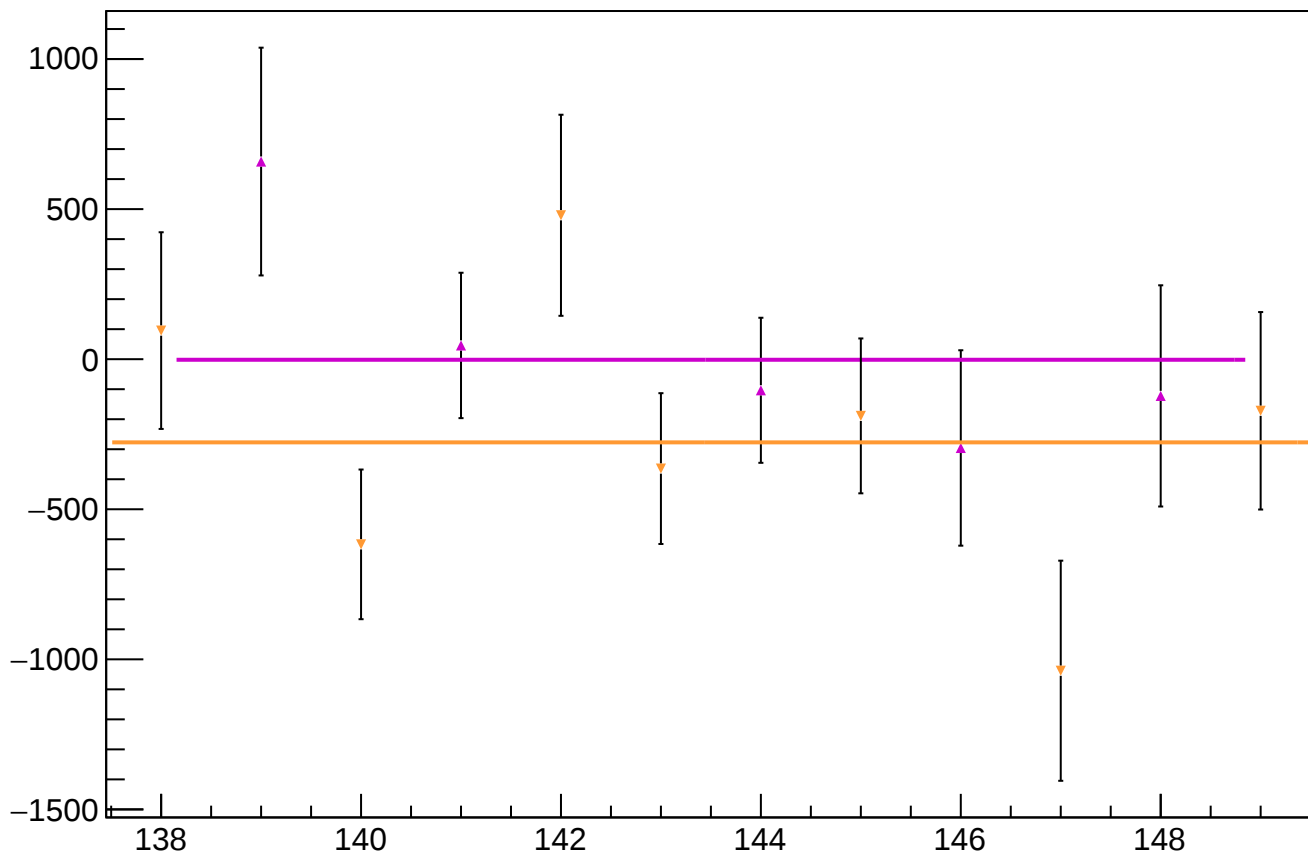
Left In: 57.781+/-0.020 χ^2/NDF : 2045.7/4

61.104+/-0.013 χ^2/NDF : 303488.0/23

61.434+/-0.009 χ^2/NDF : 601777.0/48

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: -277.130+/-110.527 χ^2/NDF : 12.9/6

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

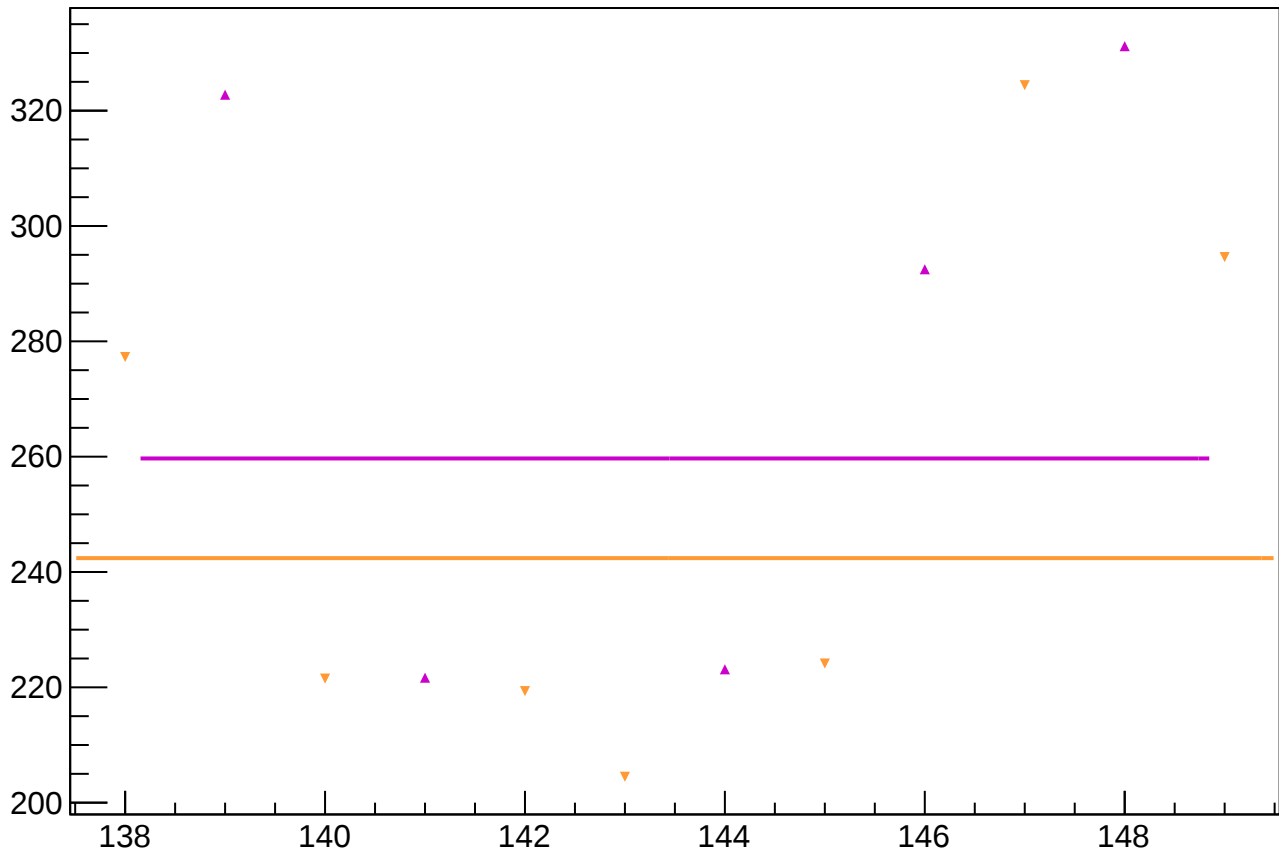
Left In: -1.921+/-131.399 χ^2/NDF : 4.2/4

-277.130+/-110.527 χ^2/NDF : 12.9/6

-163.094+/-84.583 χ^2/NDF : 19.6/11

-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: 242.407+/-0.078 χ^2/NDF : 252178.6/6

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

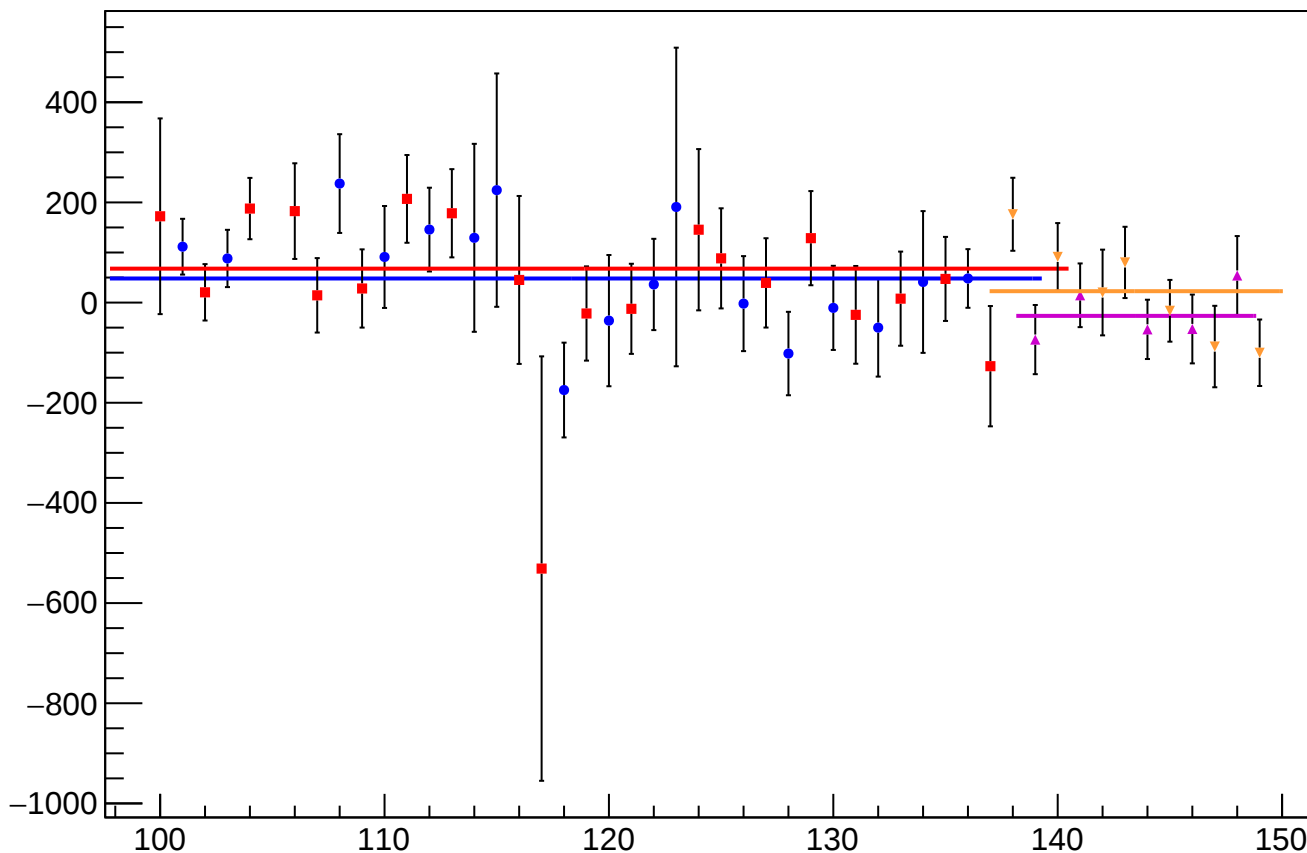
Left In: 259.690+/-0.093 χ^2/NDF : 245928.3/4

242.407+/-0.078 χ^2/NDF : 252178.6/6

249.568+/-0.060 χ^2/NDF : 518370.1/11

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: 22.756 $\pm$ 26.891 χ^2 /NDF:11.8/6

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

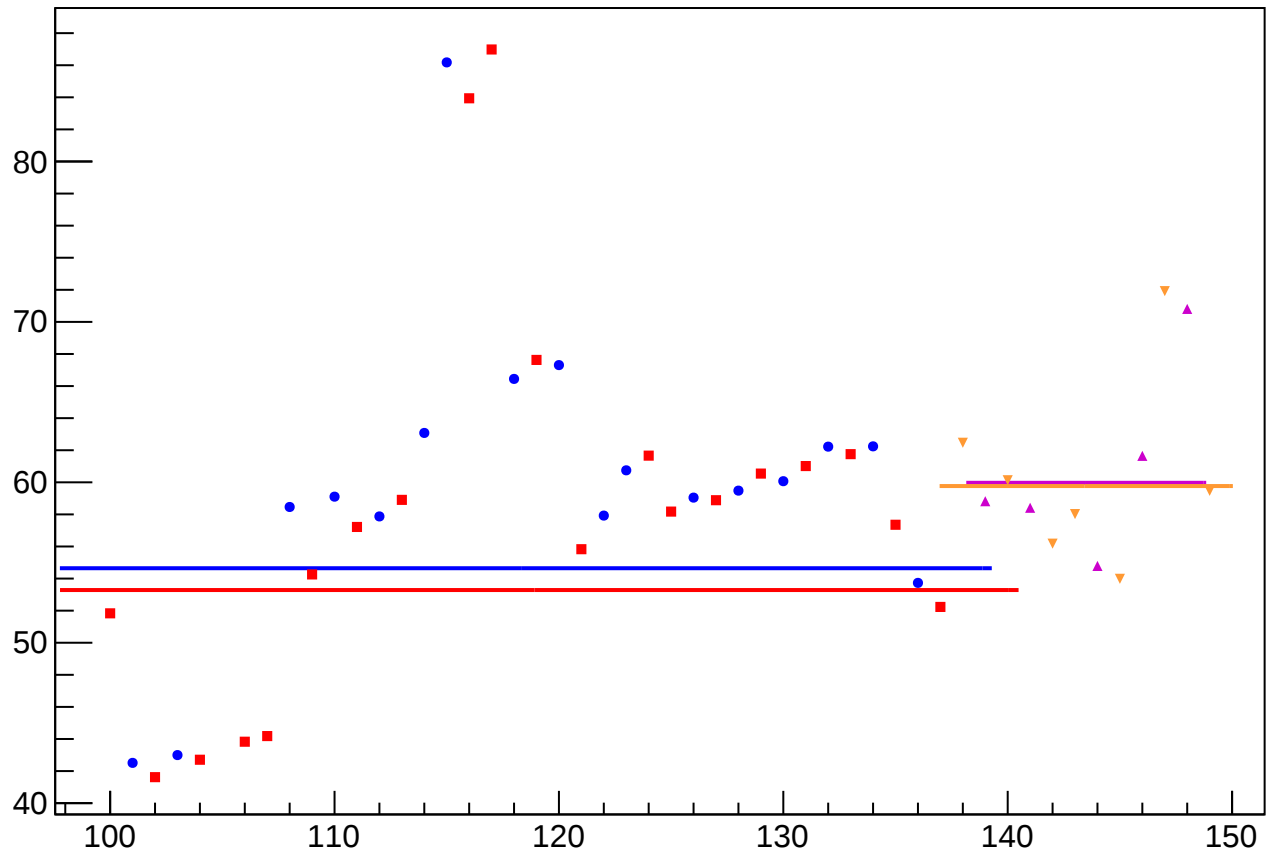
Left In: -26.523 $\pm$ 29.946 χ^2 /NDF:2.3/4

38.217 $\pm$ 16.797 χ^2 /NDF: 31.3/23

38.065 $\pm$ 11.896 χ^2 /NDF: 60.0/48

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+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 59.767+/-0.019 χ^2/NDF : 69792.7/6

Right Out: 53.285+/-0.014 χ^2/NDF : 398973.0/19

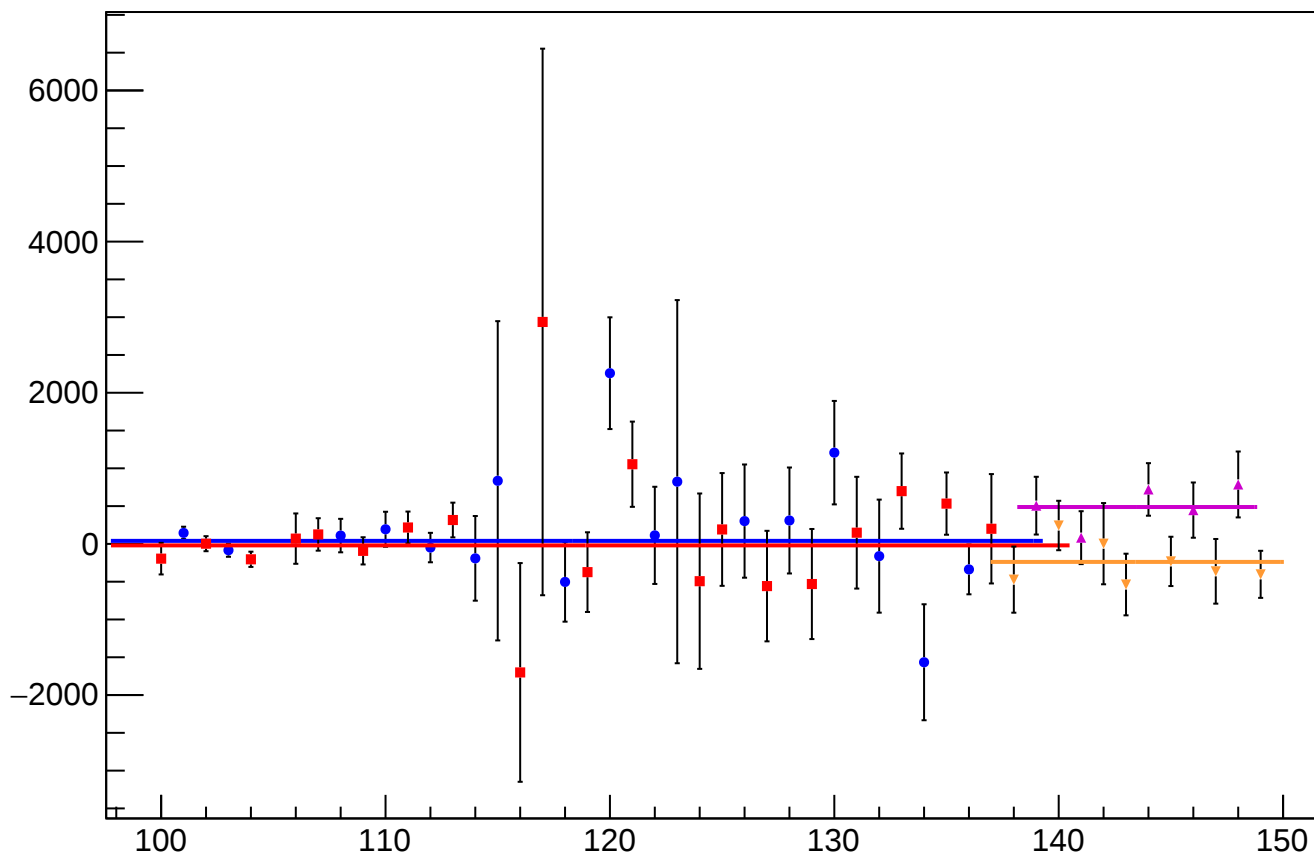
Left In: 59.970+/-0.021 χ^2/NDF : 56157.7/4

56.644+/-0.012 χ^2/NDF : 433349.5/23

56.024+/-0.008 χ^2/NDF : 962033.4/48

55.401+/-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: -238.235+/-142.517 χ^2/NDF : 3.6/6

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

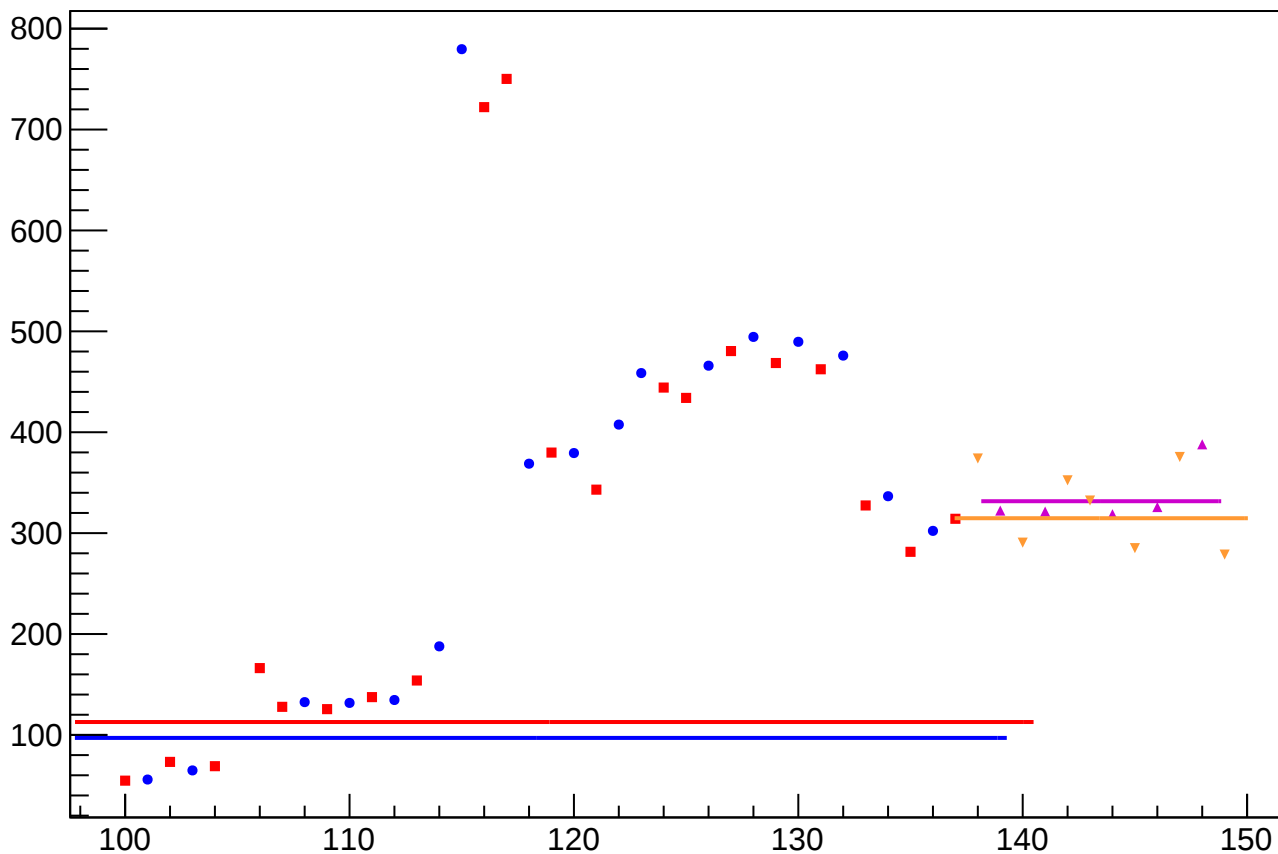
Left In: 488.105+/-166.617 χ^2/NDF : 2.3/4

8.001+/-48.470 χ^2/NDF : 30.8/23

17.300+/-35.048 χ^2/NDF : 61.2/48

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: 314.774 $\pm$ 0.101 χ^2/NDF : 144654.6/6

Right Out: 112.792 $\pm$ 0.038 χ^2/NDF : 5098459.2/19

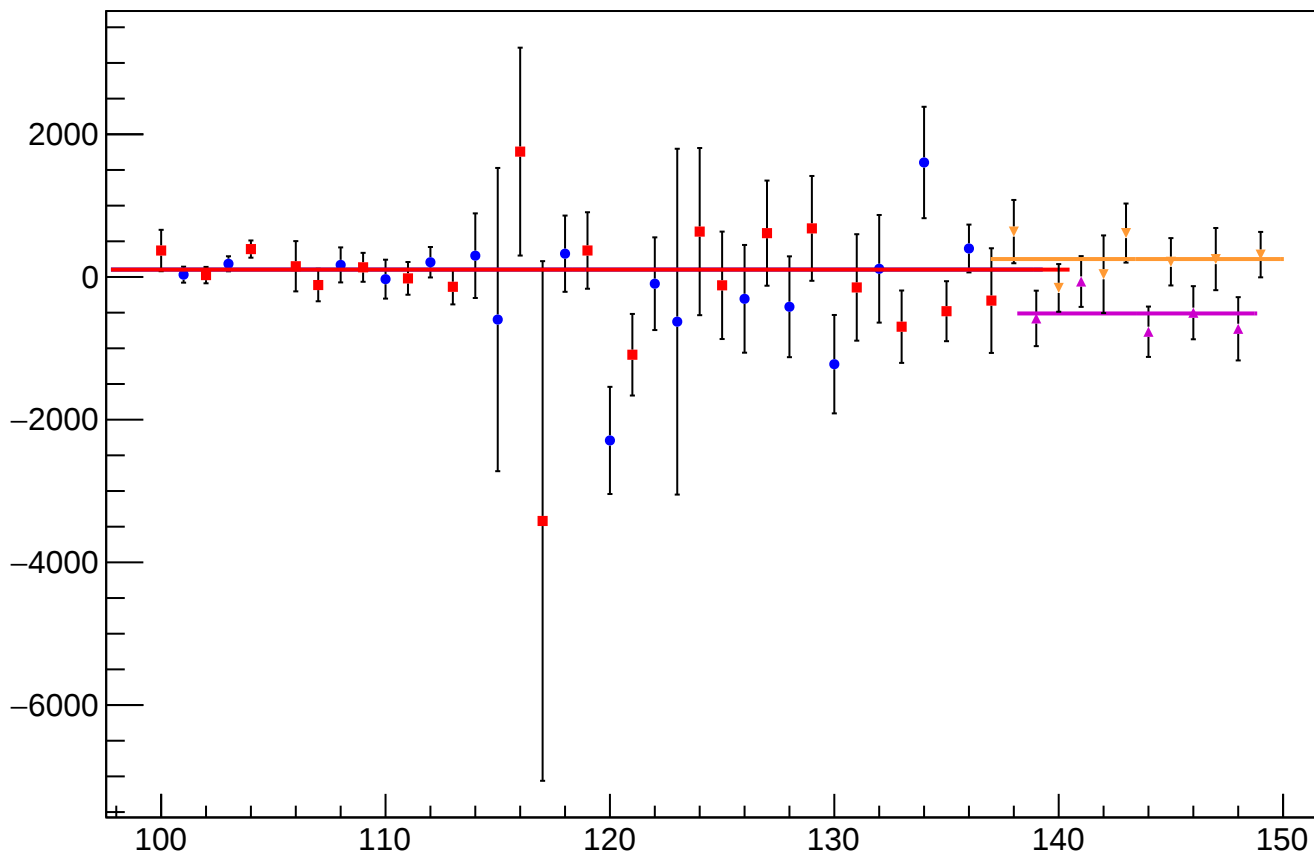
Left In: 331.629 $\pm$ 0.118 χ^2/NDF : 39570.9/4

122.224 $\pm$ 0.034 χ^2/NDF : 10092631.6/23

127.406 $\pm$ 0.025 χ^2/NDF : 18408748.9/48

133.085 $\pm$ 0.036 χ^2/NDF : 8268196.2/24

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 251.339 $\pm$ 145.170 χ^2 /NDF: 3.2/6

Right Out: 103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

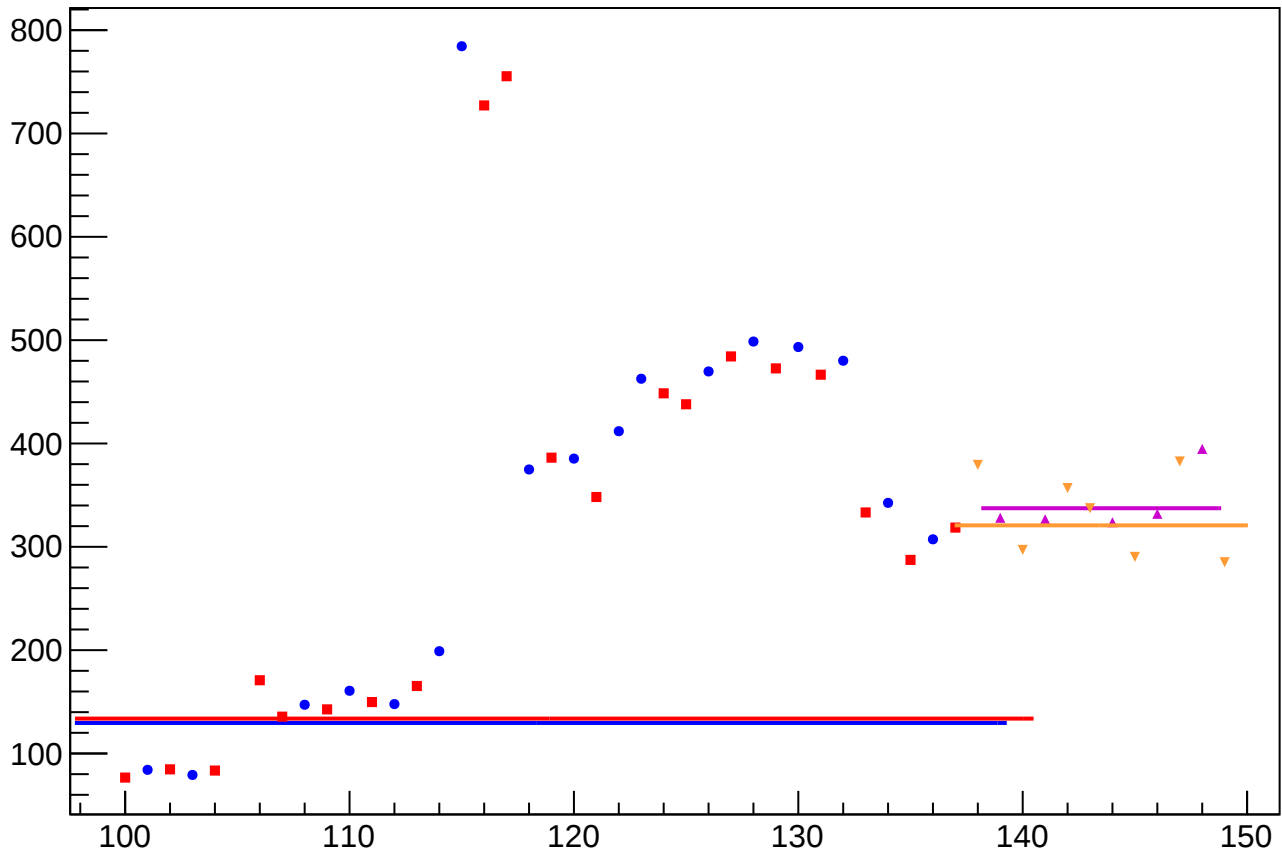
Left In: -511.258 $\pm$ 169.420 χ^2 /NDF: 2.4/4

127.449 $\pm$ 57.913 χ^2 /NDF: 25.4/23

79.672 $\pm$ 40.720 χ^2 /NDF: 63.0/48

32.956 $\pm$ 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: 320.777 $\pm$ 0.103 χ^2/NDF : 139233.1/6

Right Out: 133.766 $\pm$ 0.043 χ^2/NDF : 4424544.5/19

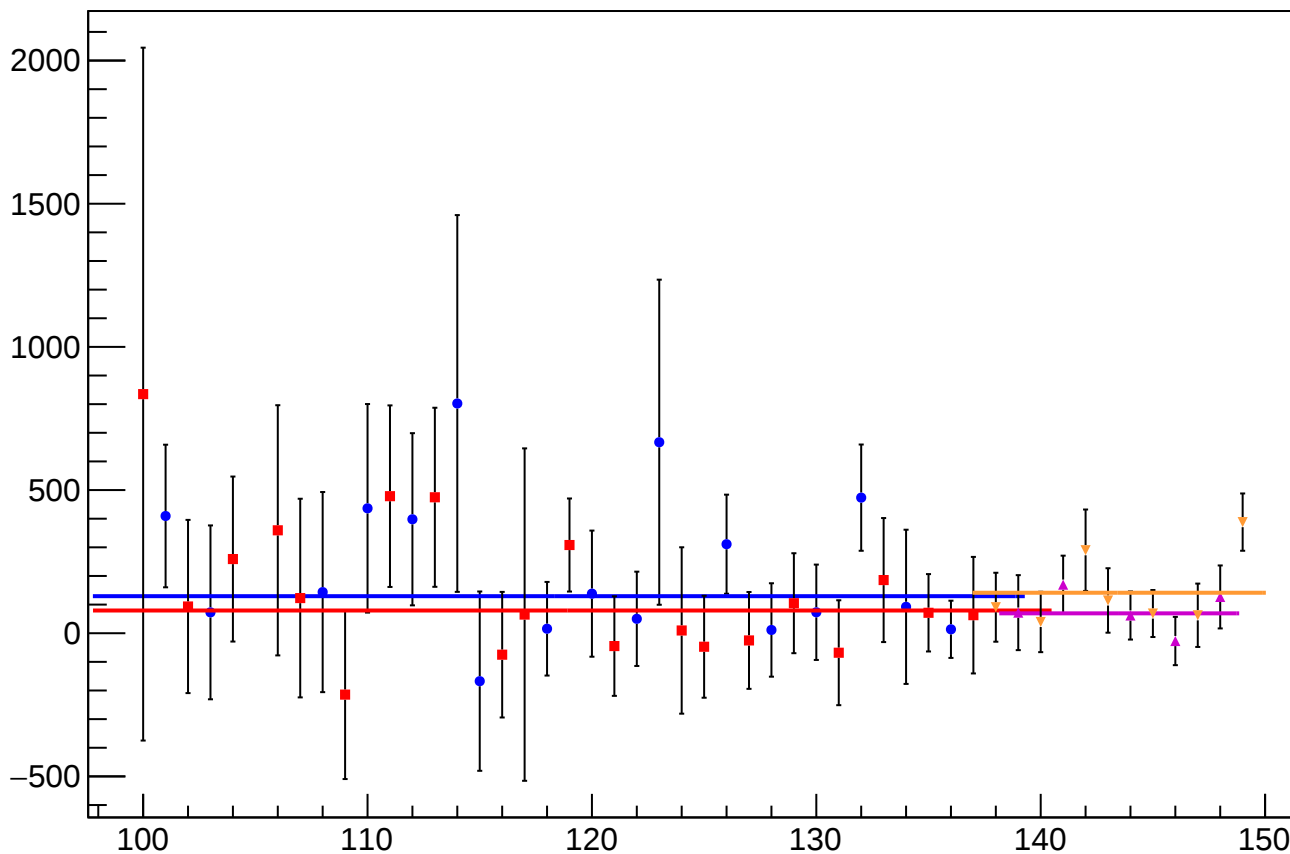
Left In: 337.340 $\pm$ 0.120 χ^2/NDF : 39826.3/4

159.985 $\pm$ 0.041 χ^2/NDF : 7829683.7/23

158.489 $\pm$ 0.029 χ^2/NDF : 14854407.4/48

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: 141.393 $\pm$ 40.247 χ^2 /NDF: 9.6/6

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

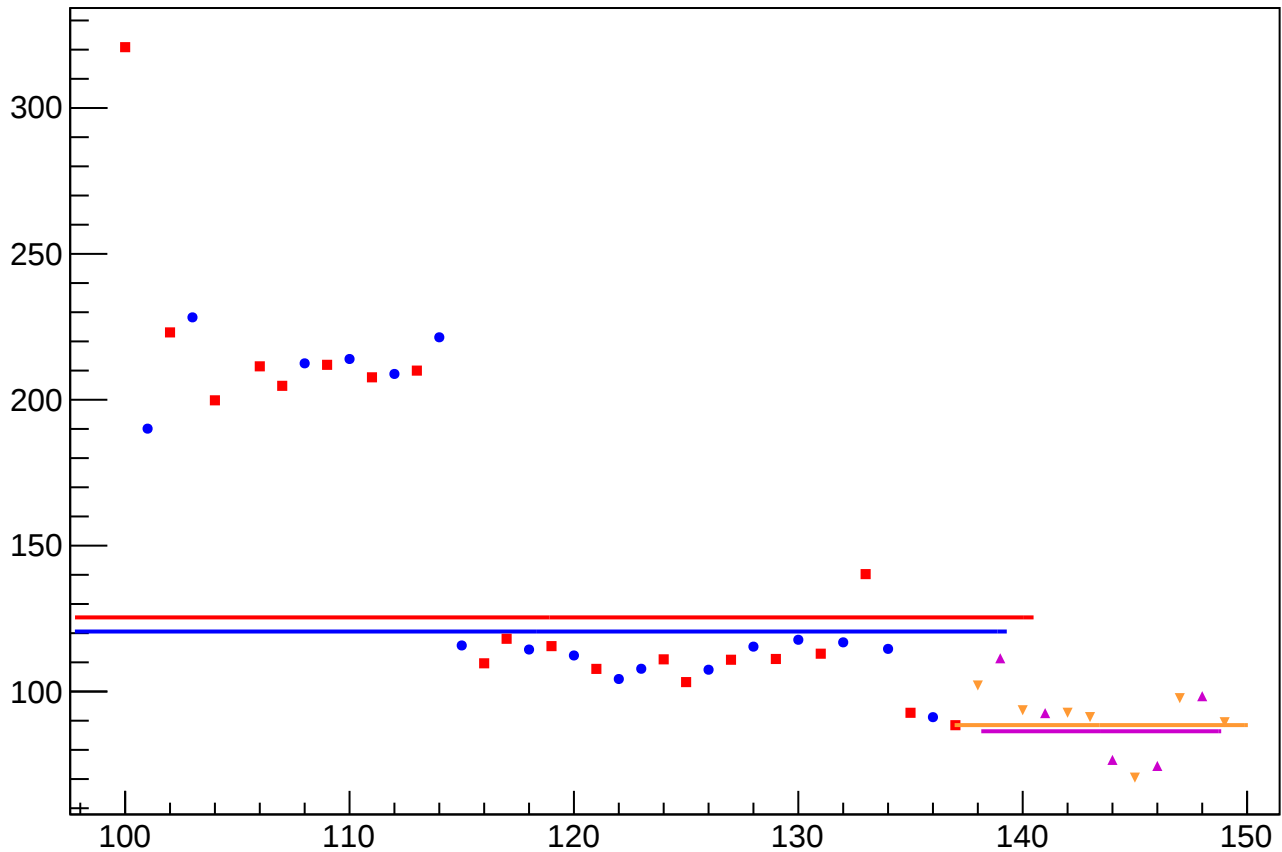
Left In: 69.431 $\pm$ 43.820 χ^2 /NDF: 2.6/4

136.575 $\pm$ 31.132 χ^2 /NDF: 22.6/23

106.881 $\pm$ 22.603 χ^2 /NDF: 37.3/48

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: 88.490 $\pm$ 0.028 χ^2 /NDF: 143397.6/6

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

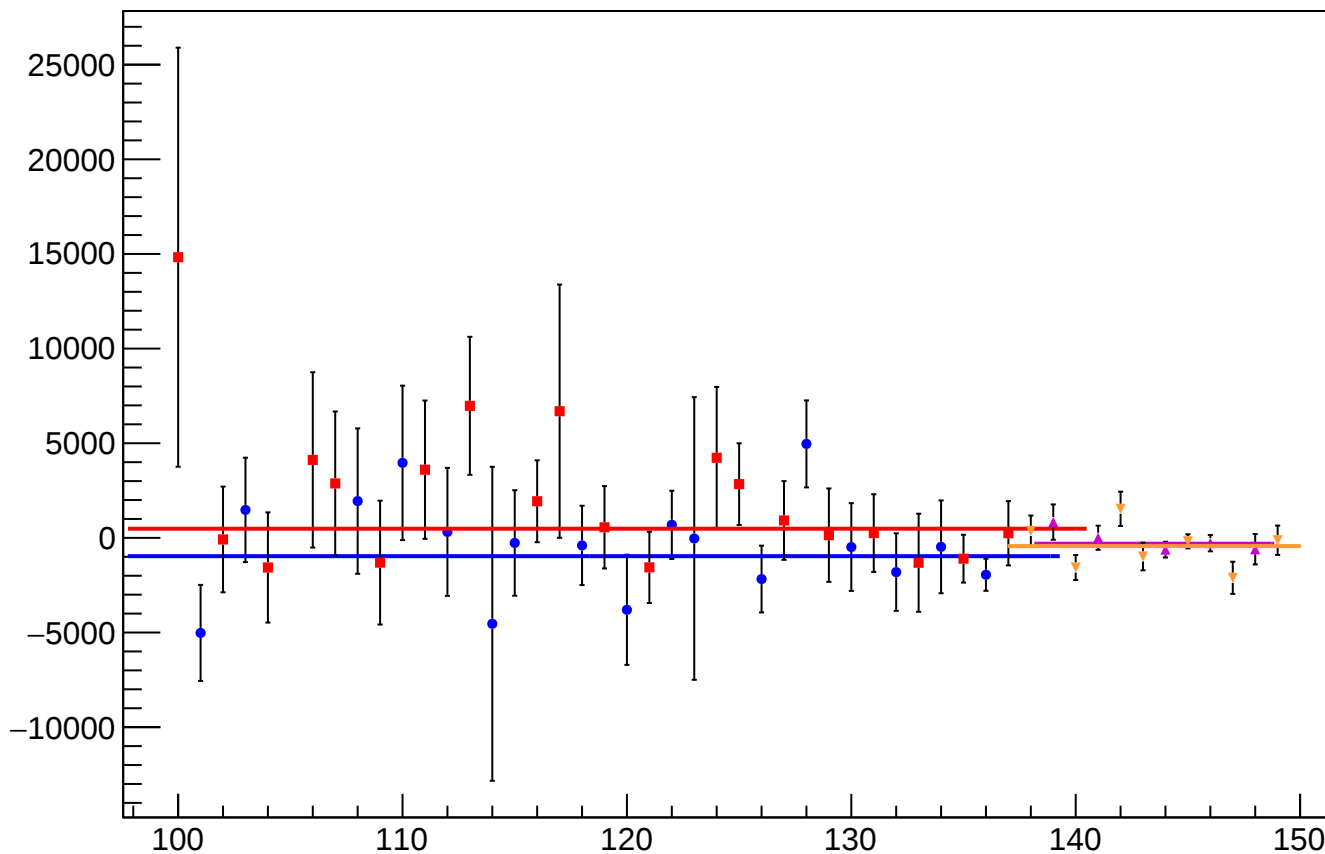
Left In: 86.374 $\pm$ 0.031 χ^2 /NDF: 171399.7/4

101.374 $\pm$ 0.022 χ^2 /NDF: 1765699.9/23

102.353 $\pm$ 0.016 χ^2 /NDF: 3969275.1/48

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: -434.058+/-241.014 χ^2/NDF :13.7/6

Right Out: 485.654+/-543.567 χ^2/NDF : 14.3/19

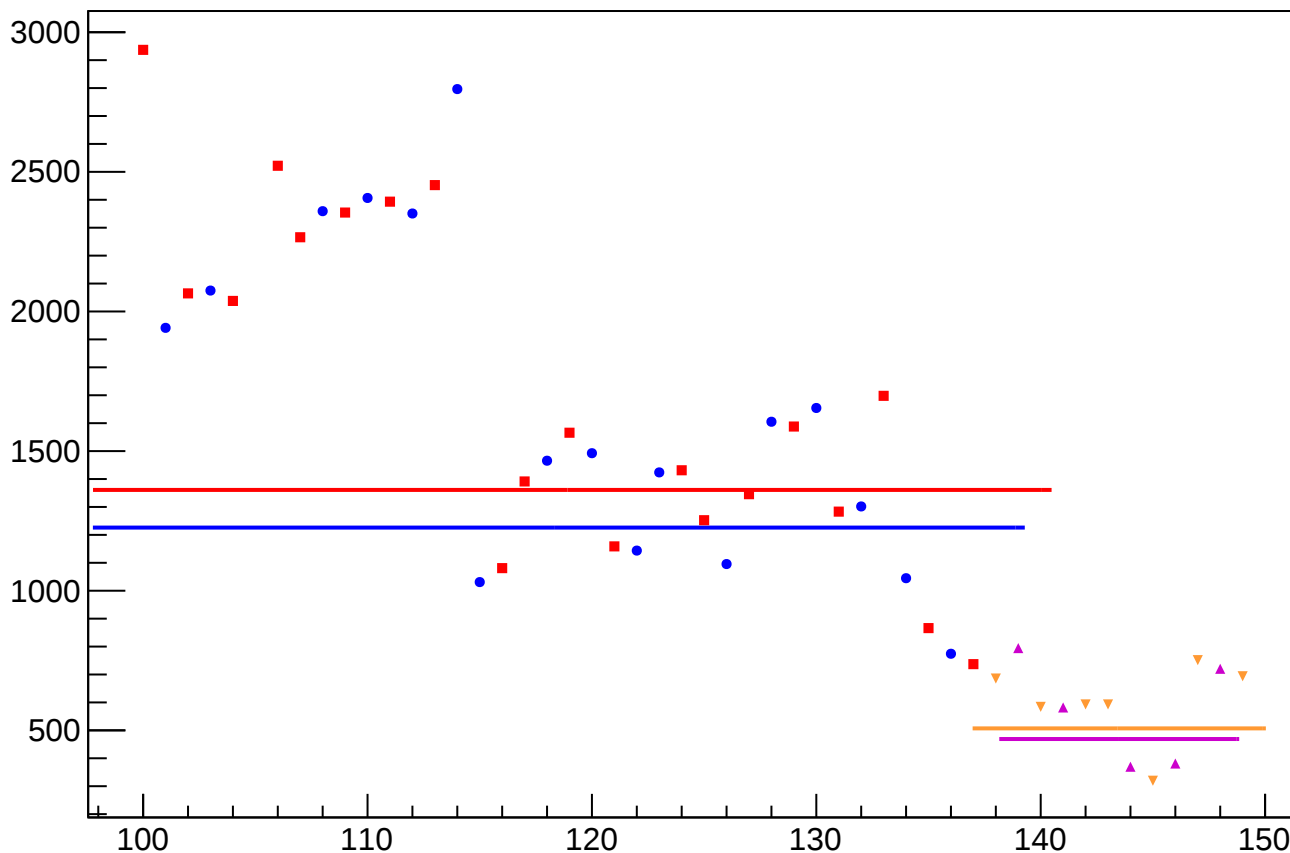
Left In: -307.857+/-247.633 χ^2/NDF :2.4/4

-530.550+/-218.088 χ^2/NDF : 31.0/23

-356.890+/-156.716 χ^2/NDF : 50.7/48

-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: 507.022 $\pm$ 0.170 χ^2 /NDF: 960925.3/6

Right Out: 1360.972 $\pm$ 0.384 χ^2 /NDF: 1749116.2/19

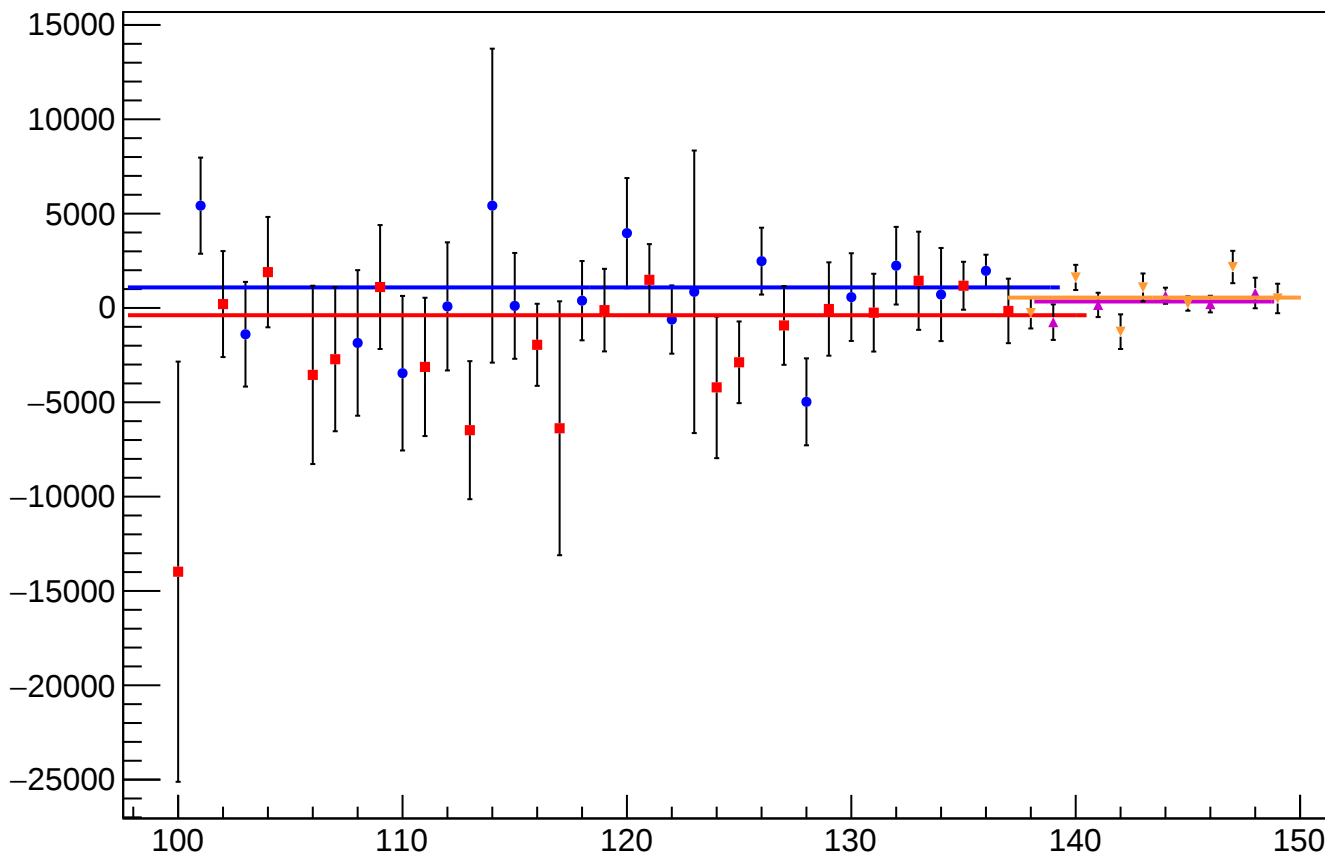
Left In: 468.957 $\pm$ 0.175 χ^2 /NDF: 699306.1/4

637.322 $\pm$ 0.154 χ^2 /NDF: 5943419.9/23

630.043 $\pm$ 0.111 χ^2 /NDF: 12856752.7/48

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: 548.917 $\pm$ 245.207 χ^2 /NDF:12.2/6

Right Out: -385.391 $\pm$ 546.382 χ^2 /NDF: 13.3/19

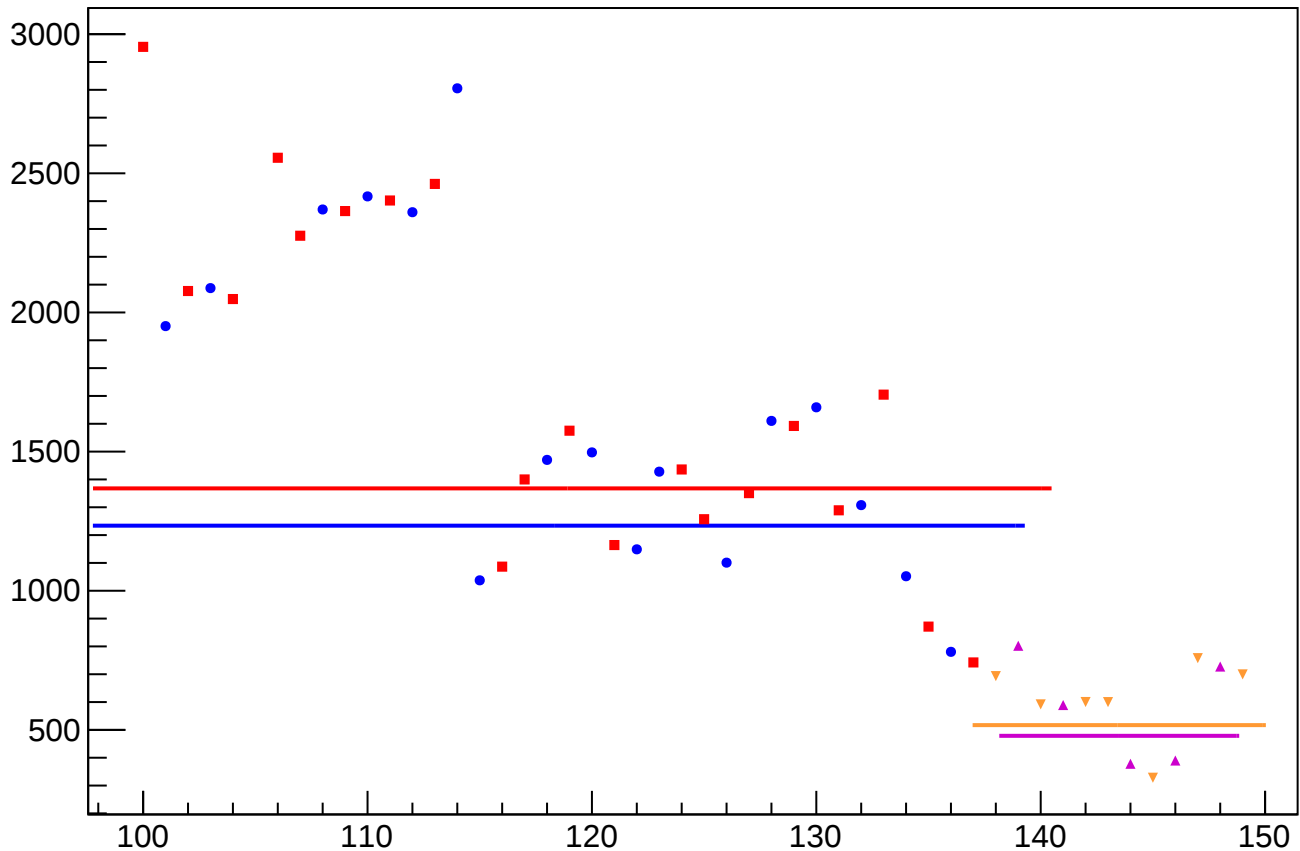
Left In: 342.405 $\pm$ 252.296 χ^2 /NDF:2.3/4

648.653 $\pm$ 221.415 χ^2 /NDF: 30.0/23

438.937 $\pm$ 159.196 χ^2 /NDF: 49.0/48

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: 517.161+/-0.173 χ^2/NDF : 917212.4/6

Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

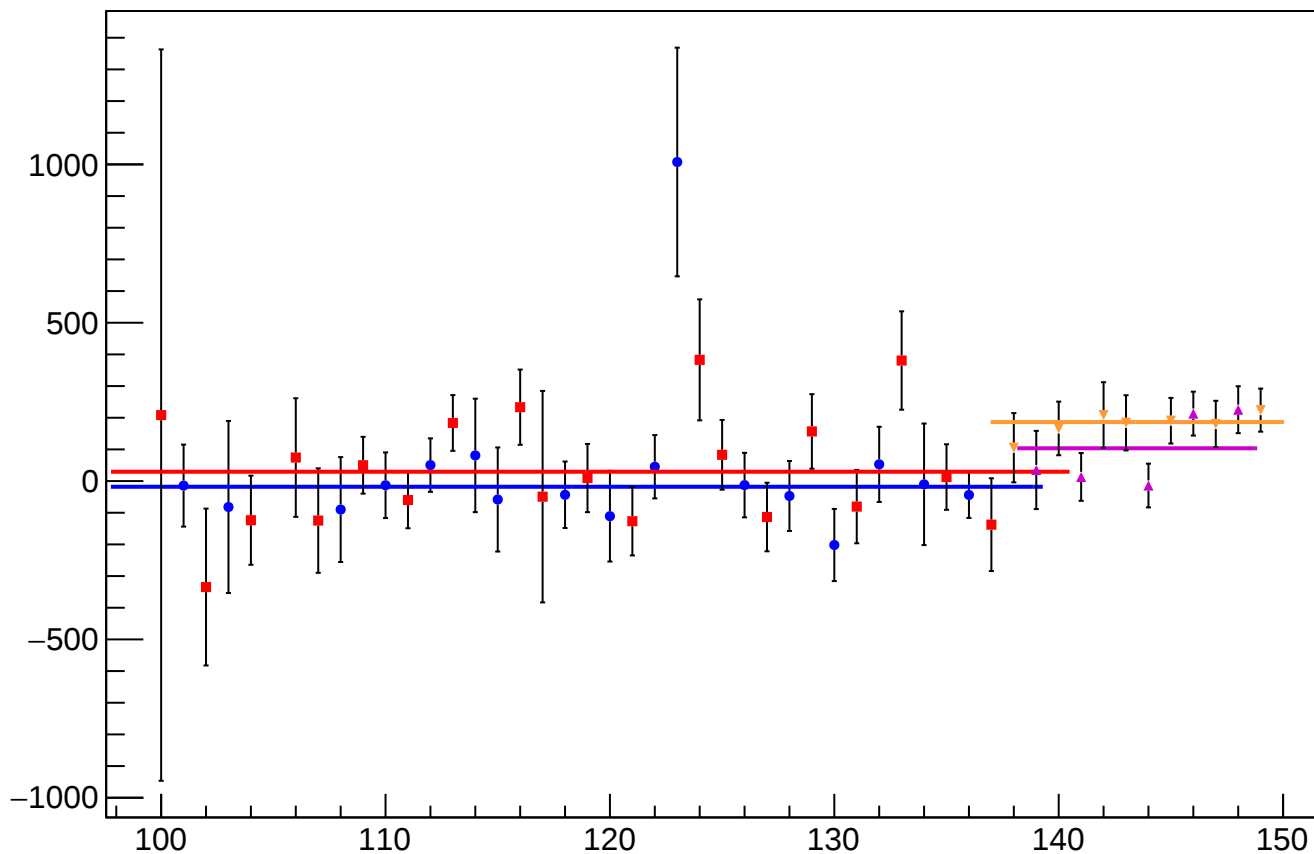
Left In: 478.718+/-0.178 χ^2/NDF : 675627.1/4

649.497+/-0.157 χ^2/NDF : 5816119.0/23

642.482+/-0.113 χ^2/NDF : 12605741.0/48

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 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 186.344 ± 30.957 $\chi^2/\text{NDF}: 1.0/6$

Right Out: 29.517 ± 27.879 $\chi^2/\text{NDF}: 27.5/19$

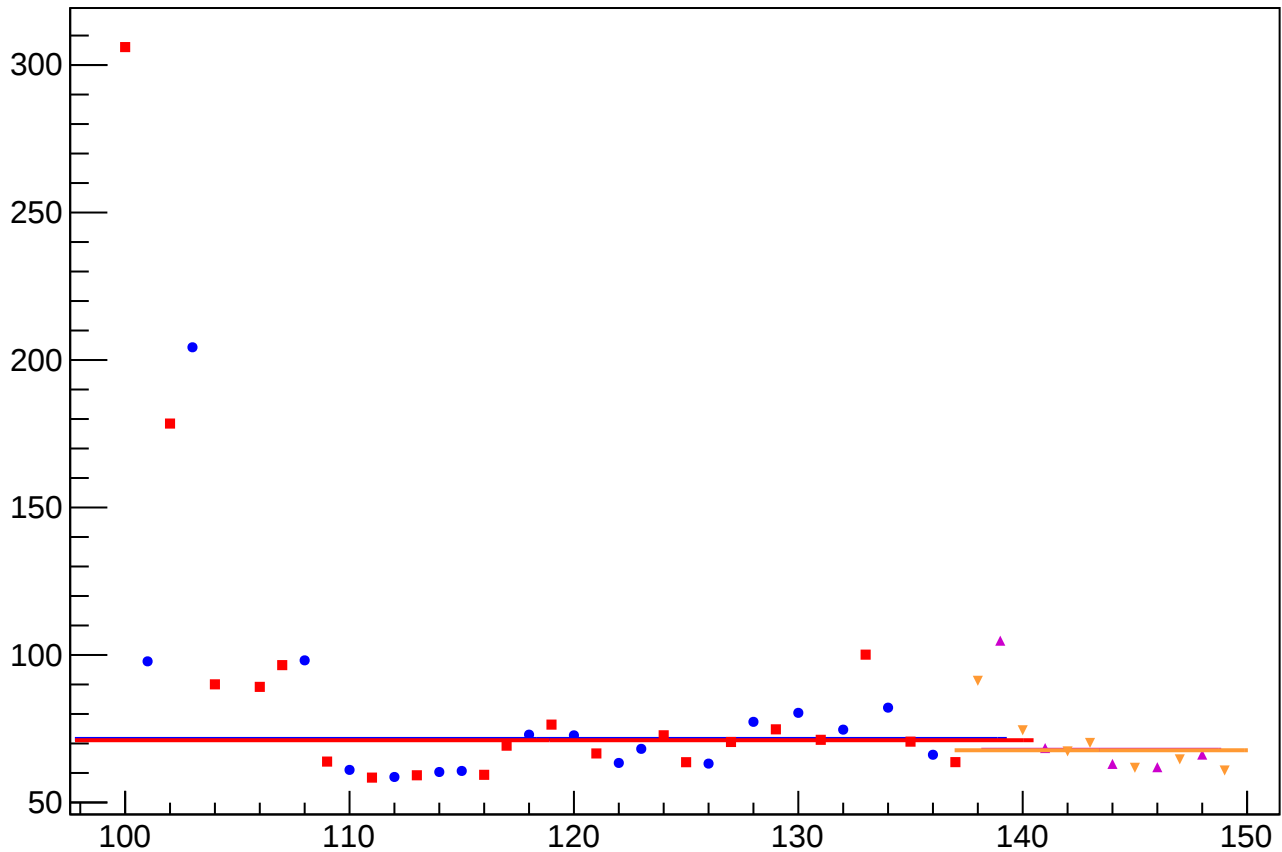
Left In: 103.553 ± 34.480 $\chi^2/\text{NDF}: 9.8/4$

76.991 ± 21.105 $\chi^2/\text{NDF}: 37.7/23$

68.132 ± 15.122 $\chi^2/\text{NDF}: 78.1/48$

58.785 ± 21.679 $\chi^2/\text{NDF}: 40.1/24$

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 67.700 $\pm$ 0.022 χ^2 /NDF:144777.8/6

Right Out: 71.102 $\pm$ 0.020 χ^2 /NDF: 765220.8/19

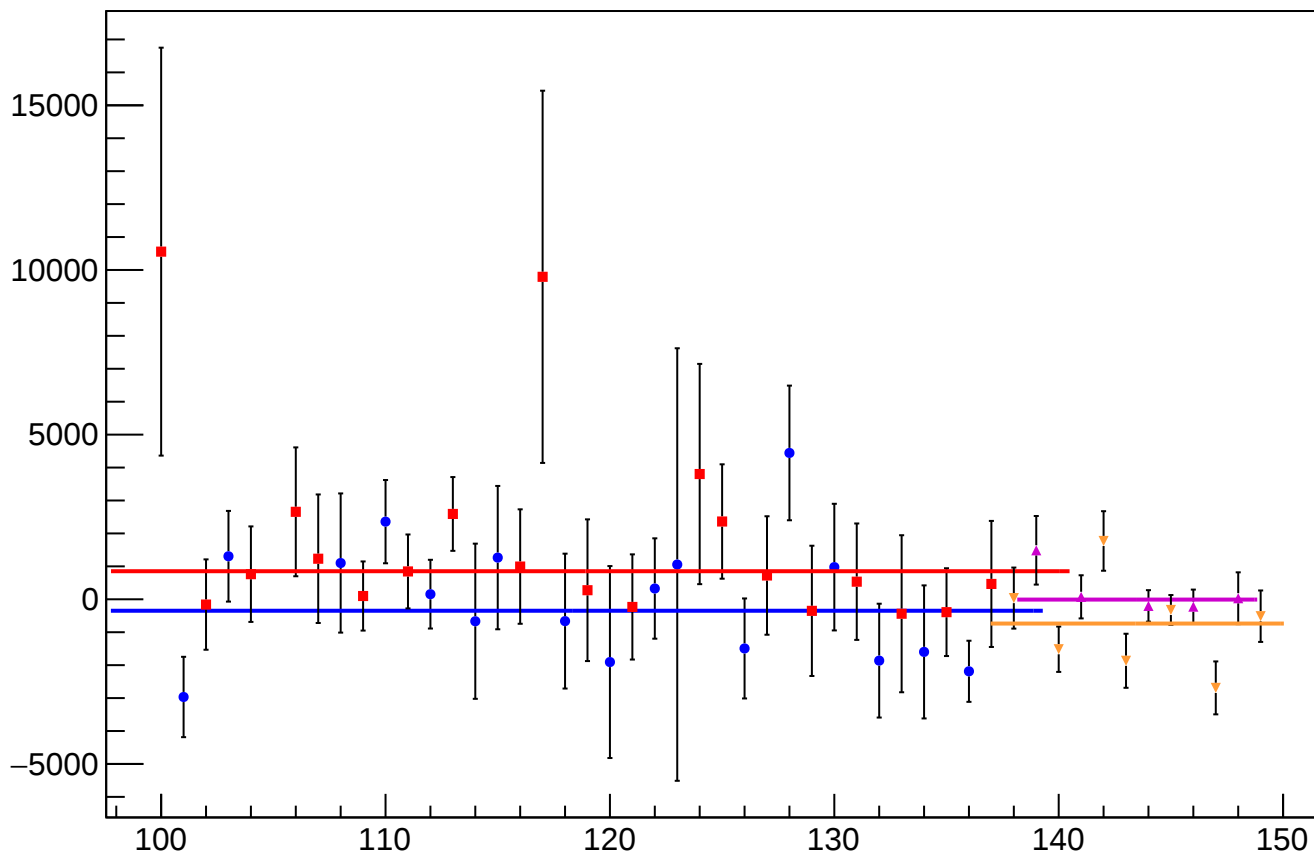
Left In: 67.861 $\pm$ 0.024 χ^2 /NDF:204685.3/4

69.753 $\pm$ 0.015 χ^2 /NDF: 920177.9/23

69.786 $\pm$ 0.011 χ^2 /NDF: 1900777.4/48

69.821 $\pm$ 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: -736.728+/-266.830 χ^2/NDF : 18.4/6

Right Out: 852.433+/-369.018 χ^2/NDF : 13.0/19

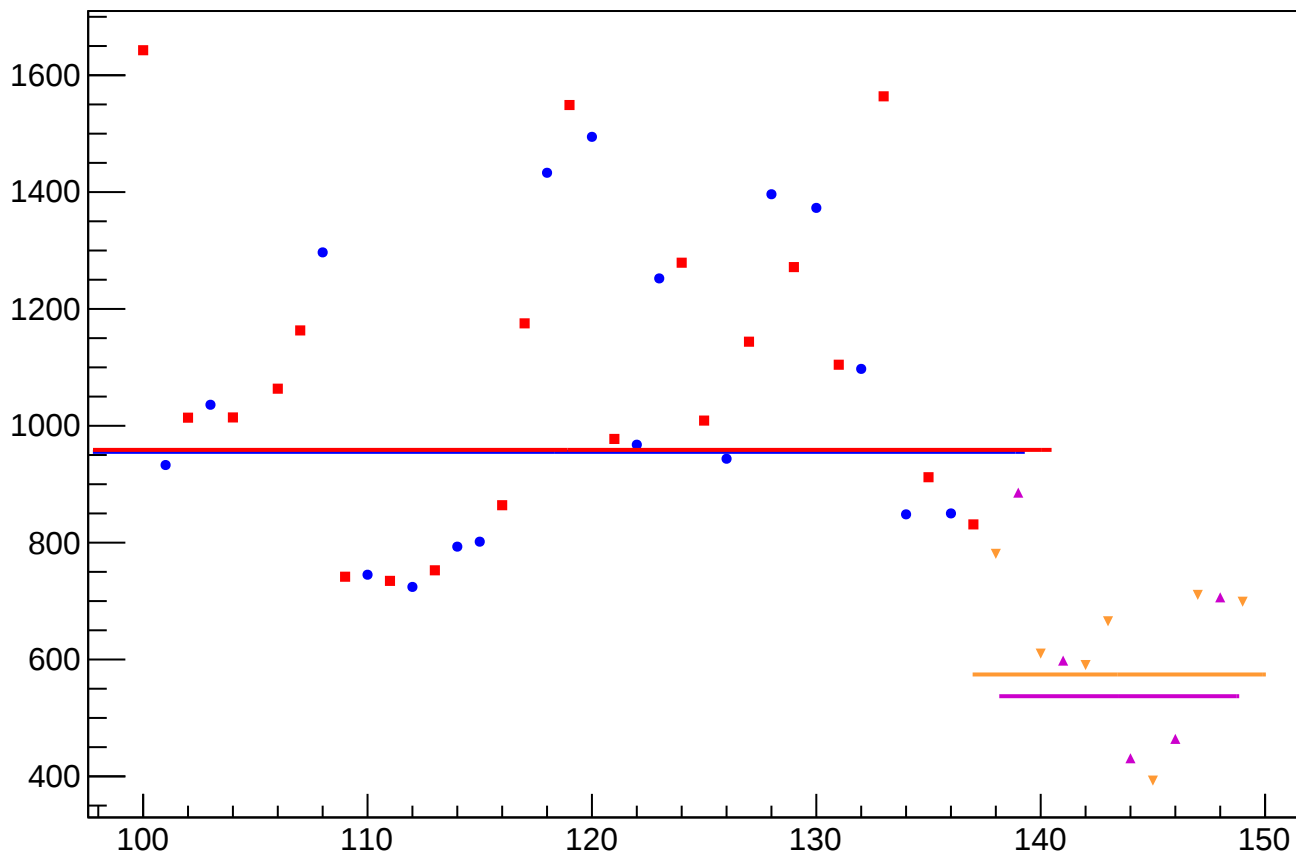
Left In: -8.906+/-277.665 χ^2/NDF : 2.4/4

-609.234+/-218.748 χ^2/NDF : 43.2/23

-159.846+/-155.771 χ^2/NDF : 70.6/48

302.468+/-221.872 χ^2/NDF : 18.9/24

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 574.383 $\pm$ 0.189 χ^2 /NDF: 559915.5/6

Right Out: 958.776 $\pm$ 0.261 χ^2 /NDF: 696031.2/19

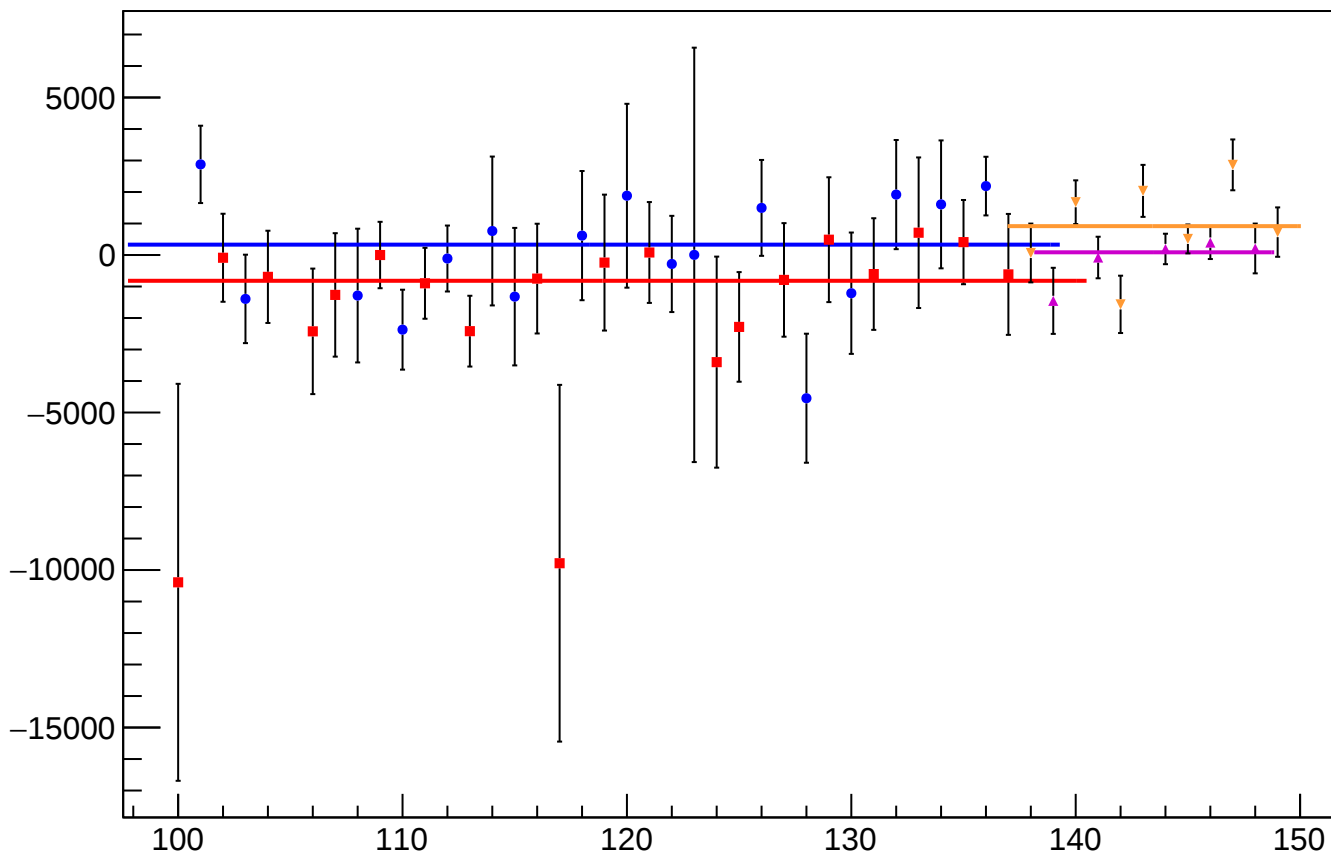
Left In: 537.192 $\pm$ 0.196 χ^2 /NDF: 472023.1/4

699.337 $\pm$ 0.155 χ^2 /NDF: 2543887.0/23

694.535 $\pm$ 0.110 χ^2 /NDF: 5380620.6/48

689.595 $\pm$ 0.157 χ^2 /NDF: 2834778.3/24

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 916.396 $\pm$ 269.071 χ^2 /NDF:18.0/6

Right Out: -818.253 $\pm$ 370.875 χ^2 /NDF: 11.8/19

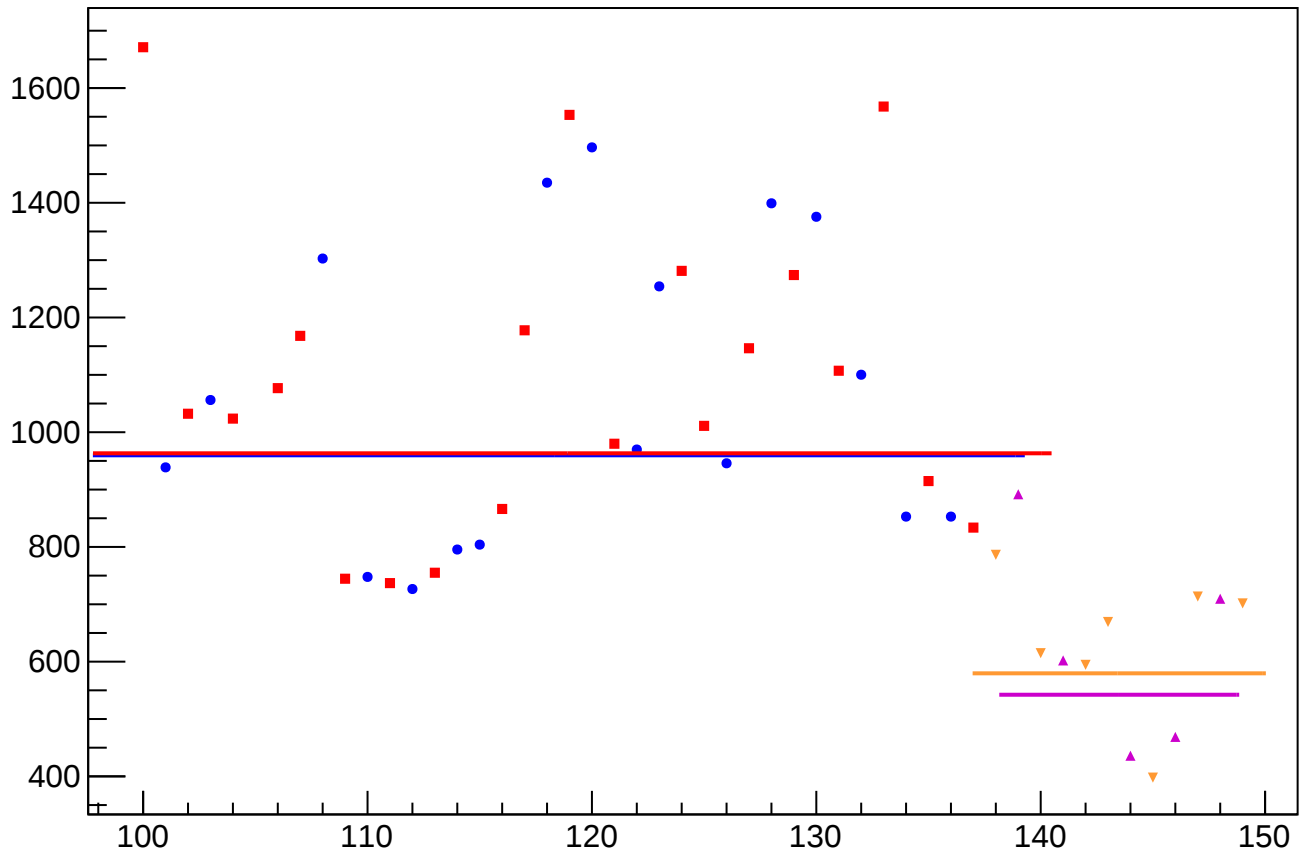
Left In: 85.972 $\pm$ 280.145 χ^2 /NDF:2.6/4

722.834 $\pm$ 220.307 χ^2 /NDF: 43.8/23

247.184 $\pm$ 156.911 χ^2 /NDF: 71.5/48

-242.524 $\pm$ 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: 579.644 +/- 0.190 χ^2/NDF : 544649.4/6

Right Out: 963.238 +/- 0.262 χ^2/NDF : 698638.3/19

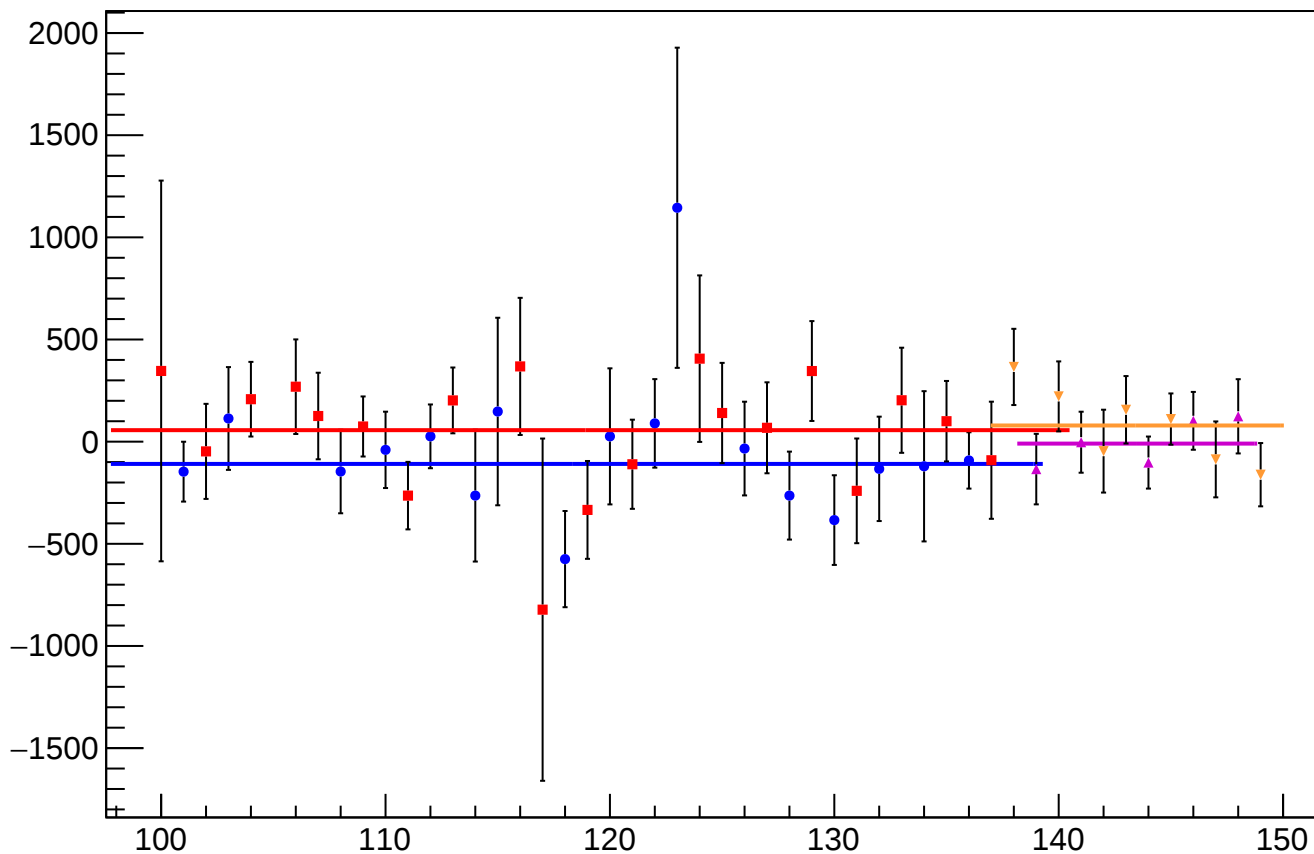
Left In: 542.314 +/- 0.198 χ^2/NDF : 464407.3/4

704.941 +/- 0.156 χ^2/NDF : 2507087.9/23

700.157 +/- 0.111 χ^2/NDF : 5312350.9/48

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 χ^2/NDF : 12.0/16

Left Out: 79.153 ± 62.250 χ^2/NDF : 6.9/6

Right Out: 56.241 ± 50.729 χ^2/NDF : 16.0/19

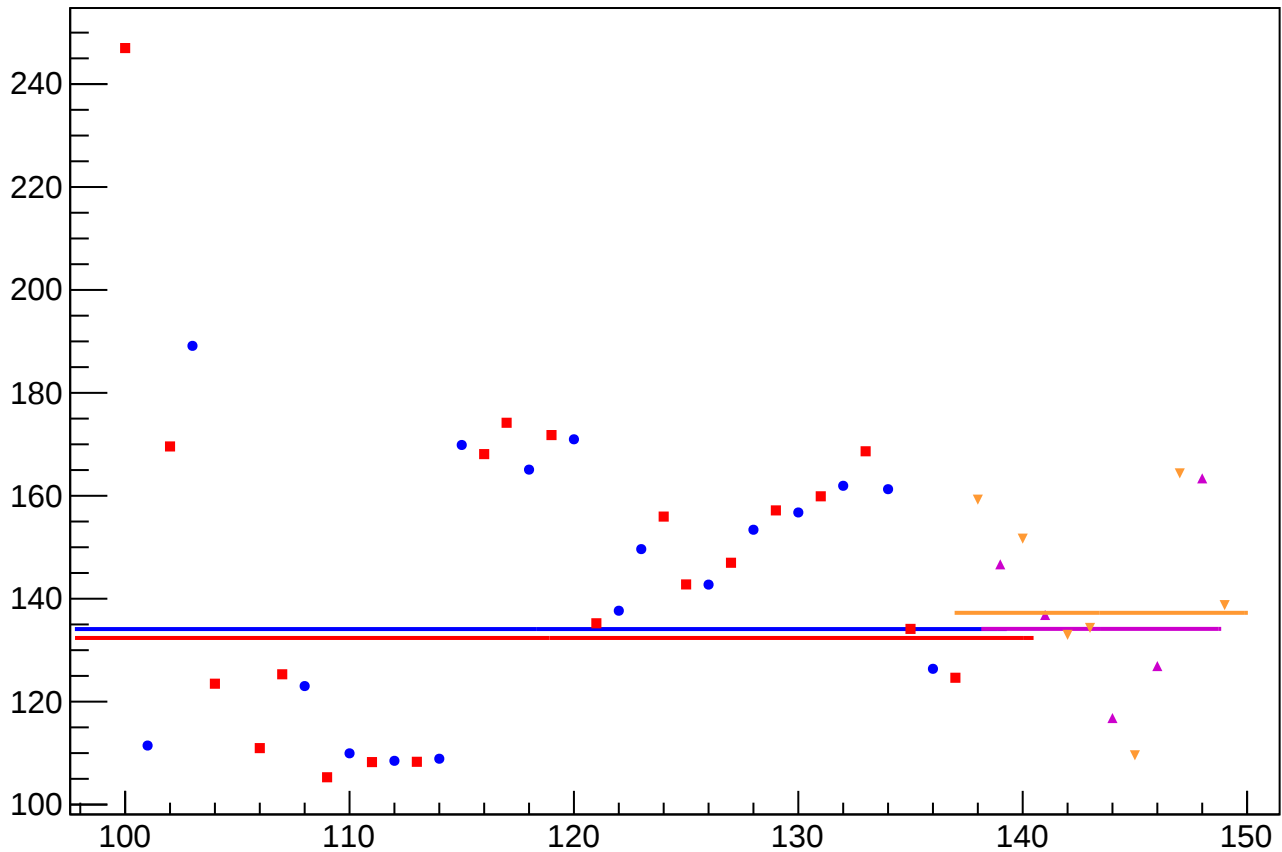
Left In: -9.529 ± 67.377 χ^2/NDF : 2.2/4

-30.049 ± 40.321 χ^2/NDF : 24.2/23

1.040 ± 28.583 χ^2/NDF : 44.2/48

32.446 ± 40.526 χ^2/NDF : 18.8/24

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 137.259+/-0.044 χ^2/NDF :183608.9/6

Right Out: 132.373+/-0.036 χ^2/NDF : 446741.9/19

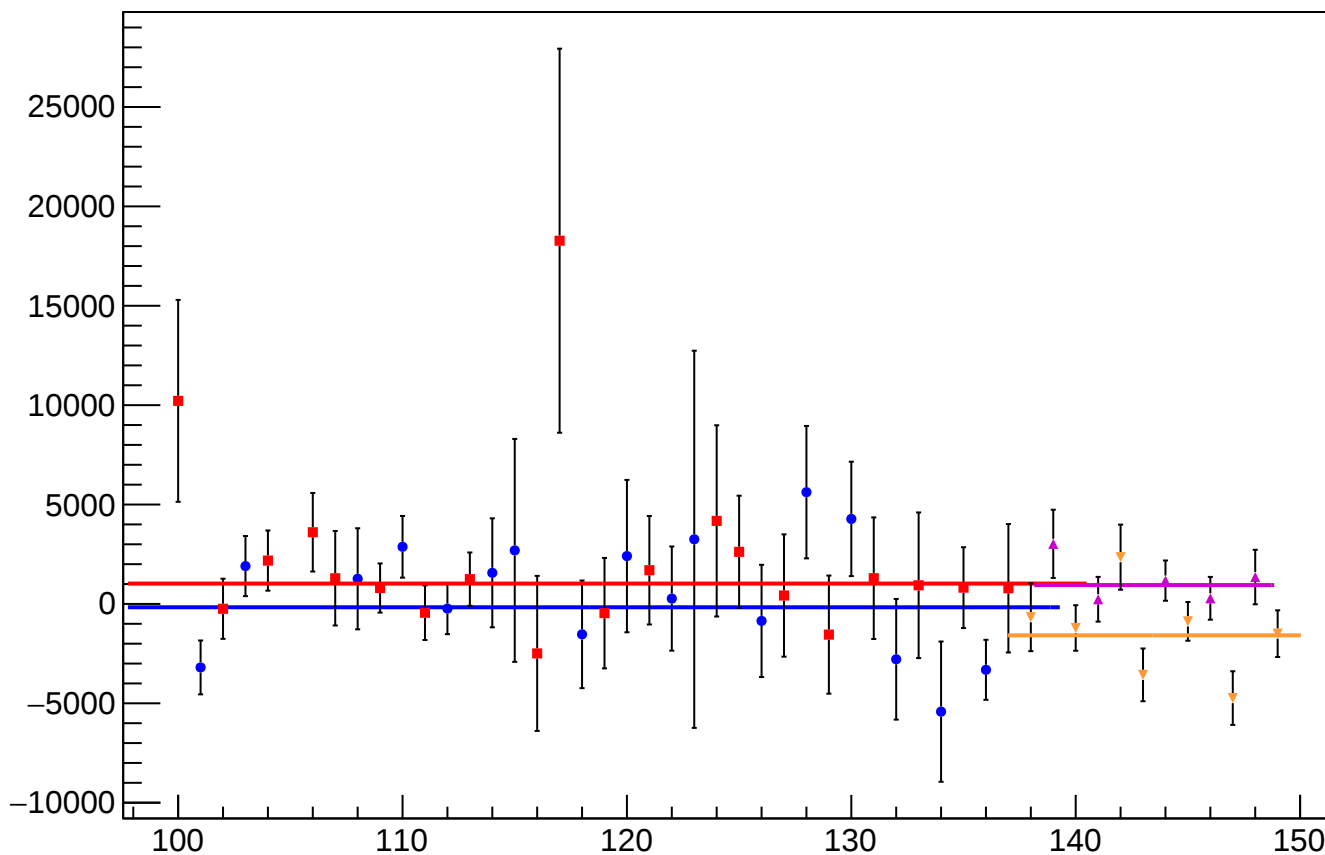
Left In: 134.138+/-0.048 χ^2/NDF :105271.2/4

135.427+/-0.029 χ^2/NDF : 589174.2/23

134.225+/-0.020 χ^2/NDF : 1145635.4/48

133.011+/-0.029 χ^2/NDF : 552888.8/24

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 $\chi^2/\text{NDF}: 25.3/16$

Left Out: -1580.025 ± 478.158 $\chi^2/\text{NDF}: 14.4/6$

Right Out: 1023.271 ± 480.373 $\chi^2/\text{NDF}: 13.4/19$

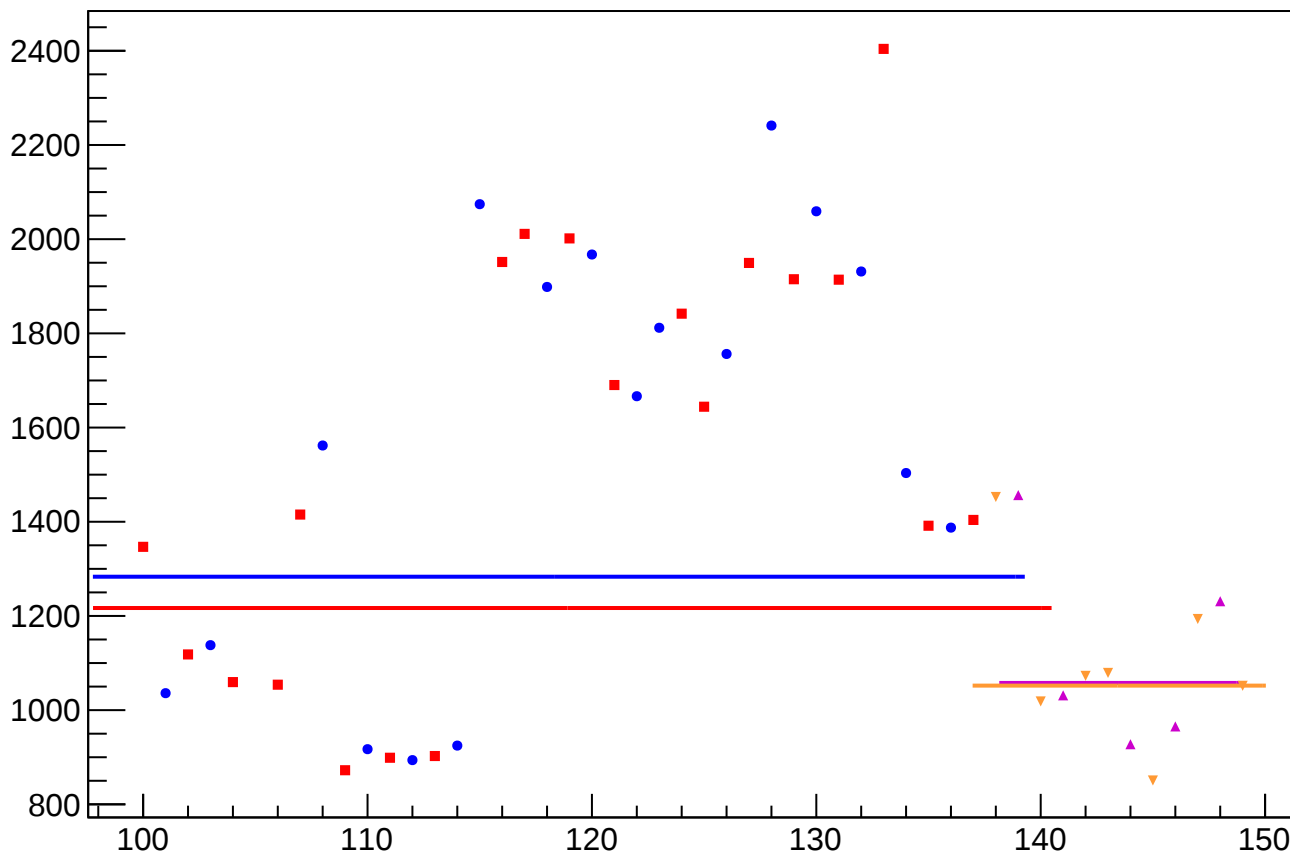
Left In: 948.343 ± 534.477 $\chi^2/\text{NDF}: 2.4/4$

-938.138 ± 353.105 $\chi^2/\text{NDF}: 43.7/23$

14.505 ± 251.145 $\chi^2/\text{NDF}: 74.2/48$

989.790 ± 357.277 $\chi^2/\text{NDF}: 15.8/24$

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318 +/- 0.370 χ^2/NDF : 1169431.5/16

Left Out: 1052.073 +/- 0.338 χ^2/NDF : 220180.4/6

Right Out: 1216.852 +/- 0.340 χ^2/NDF : 1374416.0/19

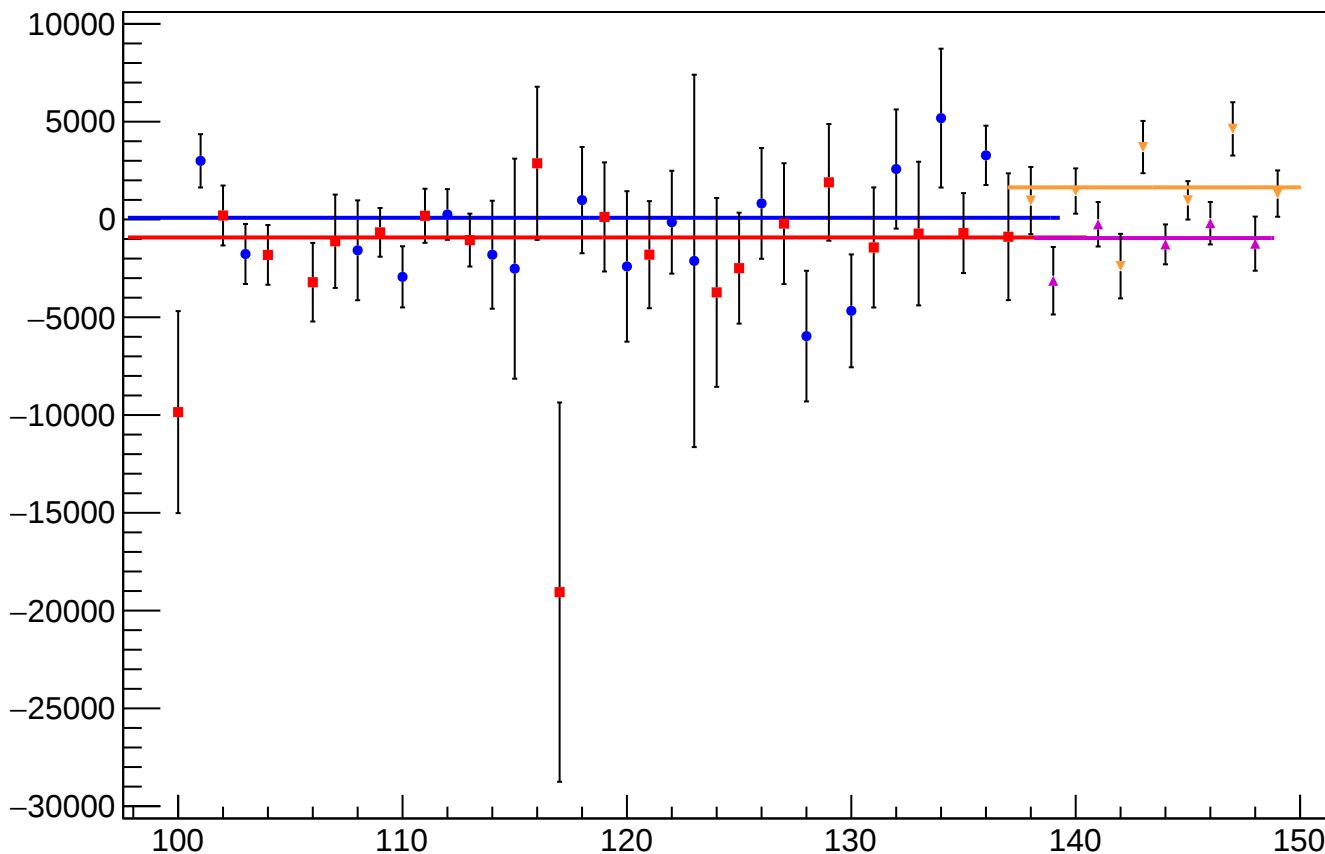
Left In: 1057.757 +/- 0.378 χ^2/NDF : 188836.9/4

1157.212 +/- 0.250 χ^2/NDF : 1602287.9/23

1151.554 +/- 0.178 χ^2/NDF : 3264604.6/48

1145.762 +/- 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: 1641.466+/-482.369 χ^2/NDF :13.9/6

Right Out: -919.892+/-484.043 χ^2/NDF : 12.2/19

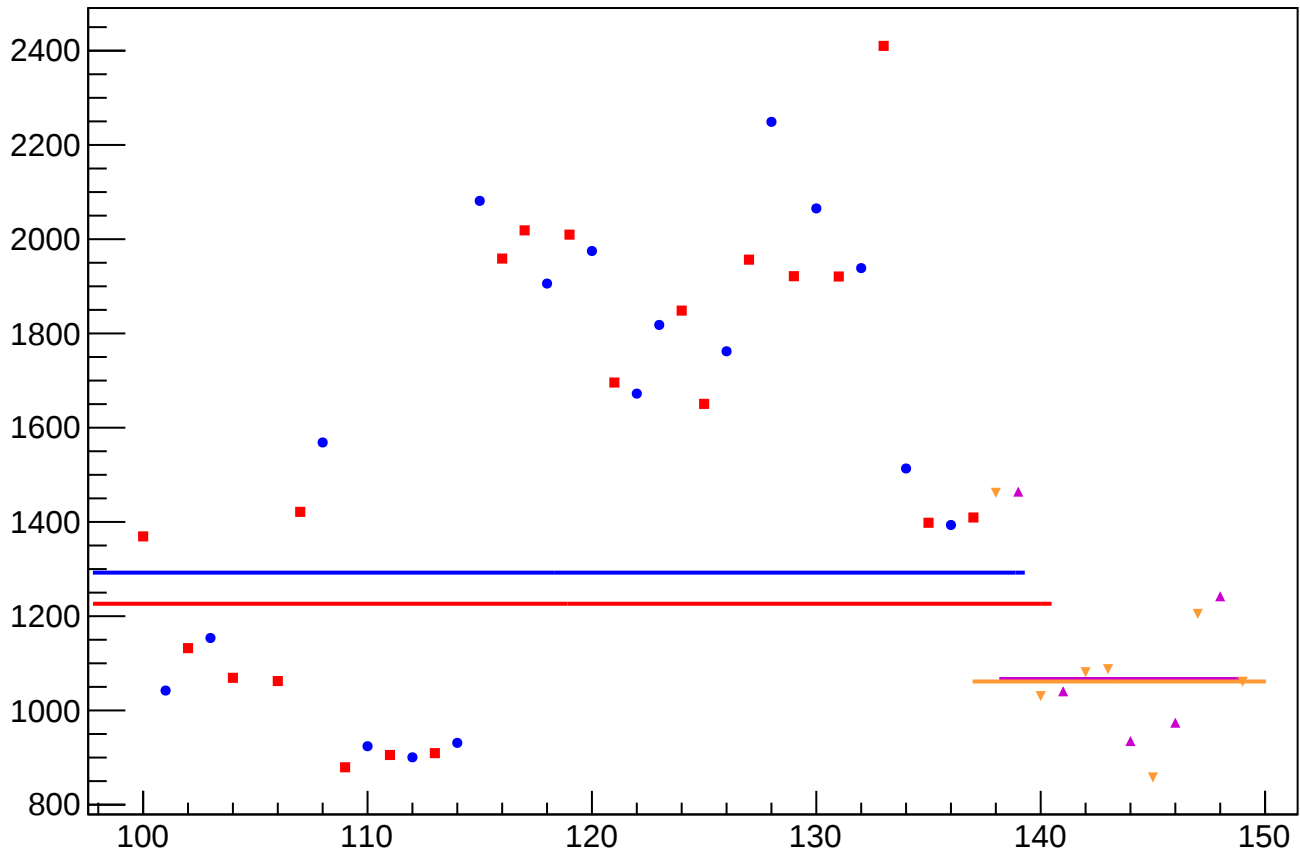
Left In: -951.361+/-538.918 χ^2/NDF :2.6/4

932.077+/-355.846 χ^2/NDF : 43.3/23

10.187+/-253.116 χ^2/NDF : 71.7/48

-933.943+/-360.113 χ^2/NDF : 14.8/24

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1061.436+/-0.341 χ^2/NDF : 219031.1/6

Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

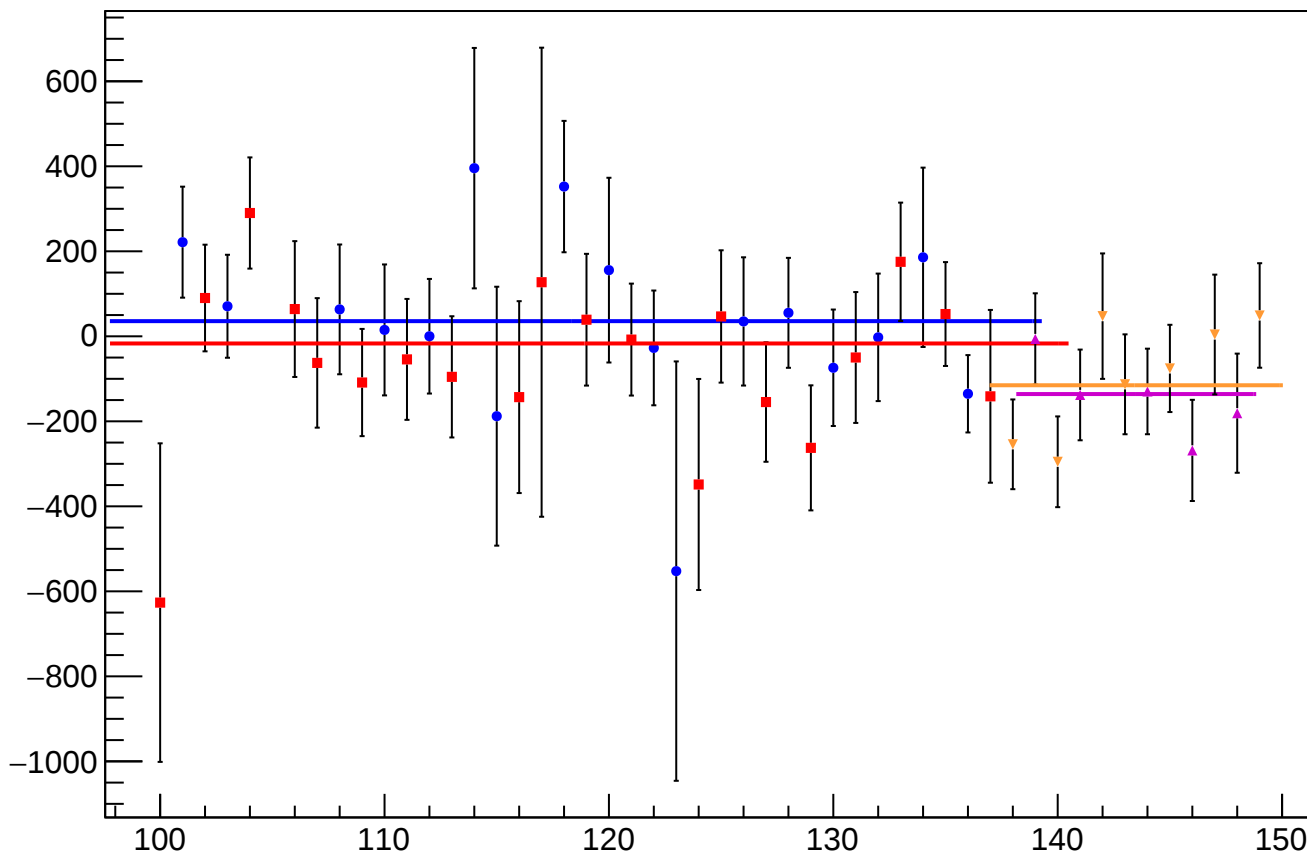
Left In: 1066.706+/-0.381 χ^2/NDF : 187268.8/4

1166.719+/-0.252 χ^2/NDF : 1584643.5/23

1160.979+/-0.179 χ^2/NDF : 3229311.9/48

1155.100+/-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: -115.172 ± 44.402 $\chi^2/\text{NDF}: 8.4/6$

Right Out: -16.849 ± 34.623 $\chi^2/\text{NDF}: 19.0/19$

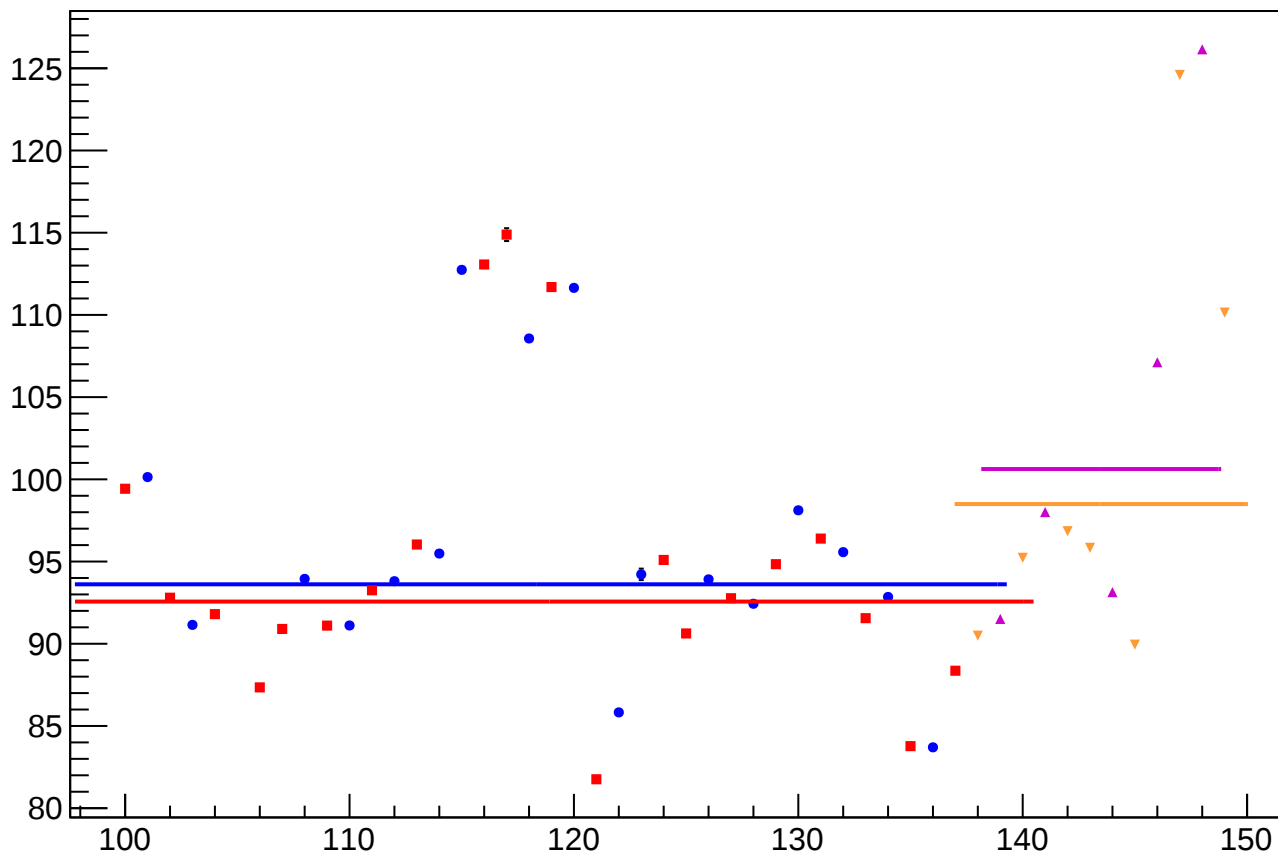
Left In: -135.854 ± 50.338 $\chi^2/\text{NDF}: 2.8/4$

-24.854 ± 28.127 $\chi^2/\text{NDF}: 30.6/23$

-39.748 ± 20.028 $\chi^2/\text{NDF}: 56.8/48$

-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+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 98.496+/-0.031 χ^2/NDF : 115079.9/6

Right Out: 92.565+/-0.024 χ^2/NDF : 81875.5/19

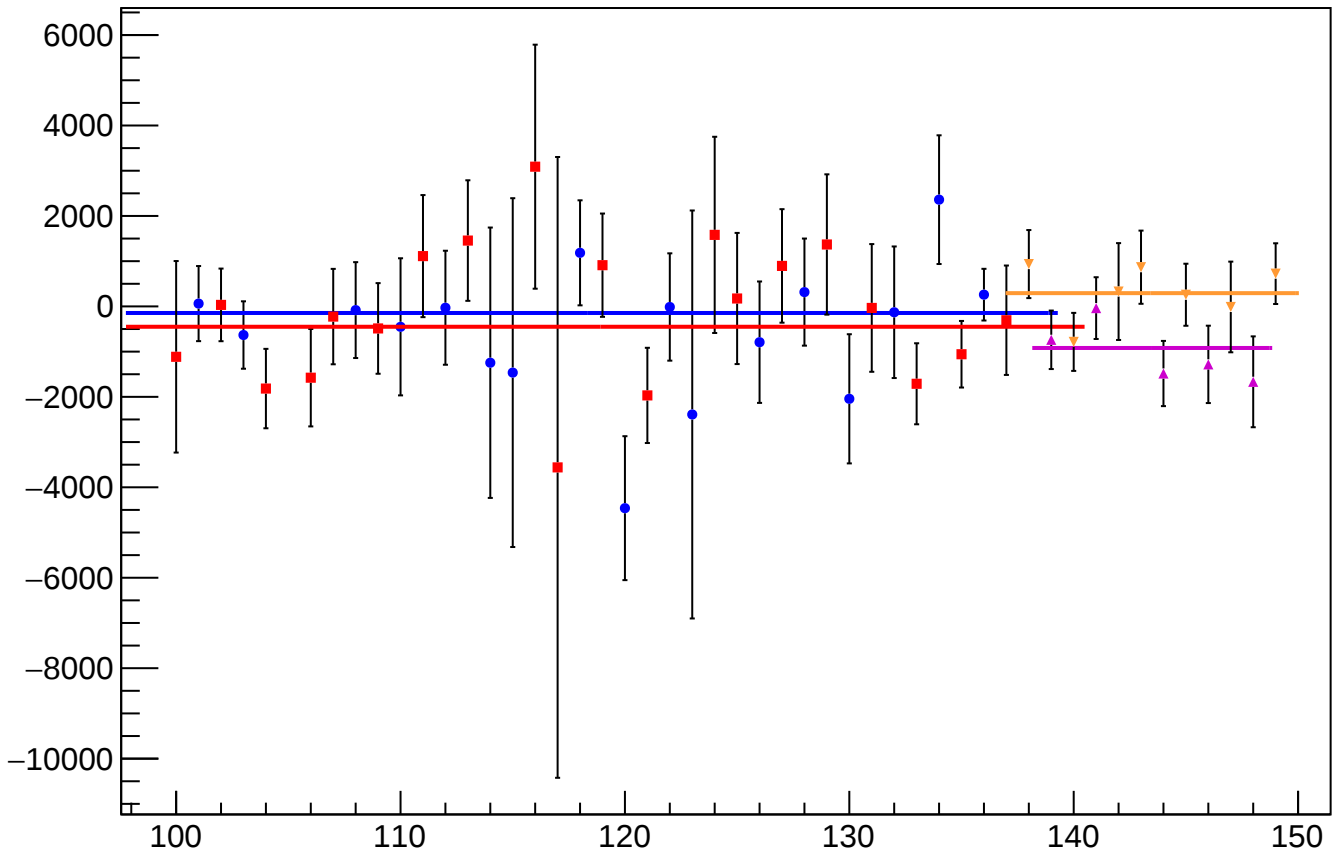
Left In: 100.625+/-0.036 χ^2/NDF : 98966.3/4

95.574+/-0.020 χ^2/NDF : 209471.0/23

95.367+/-0.014 χ^2/NDF : 425342.2/48

95.154+/-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: 293.147 $\pm$ 289.445 χ^2 /NDF: 4.6/6

Right Out: -450.047 $\pm$ 260.089 χ^2 /NDF: 19.2/19

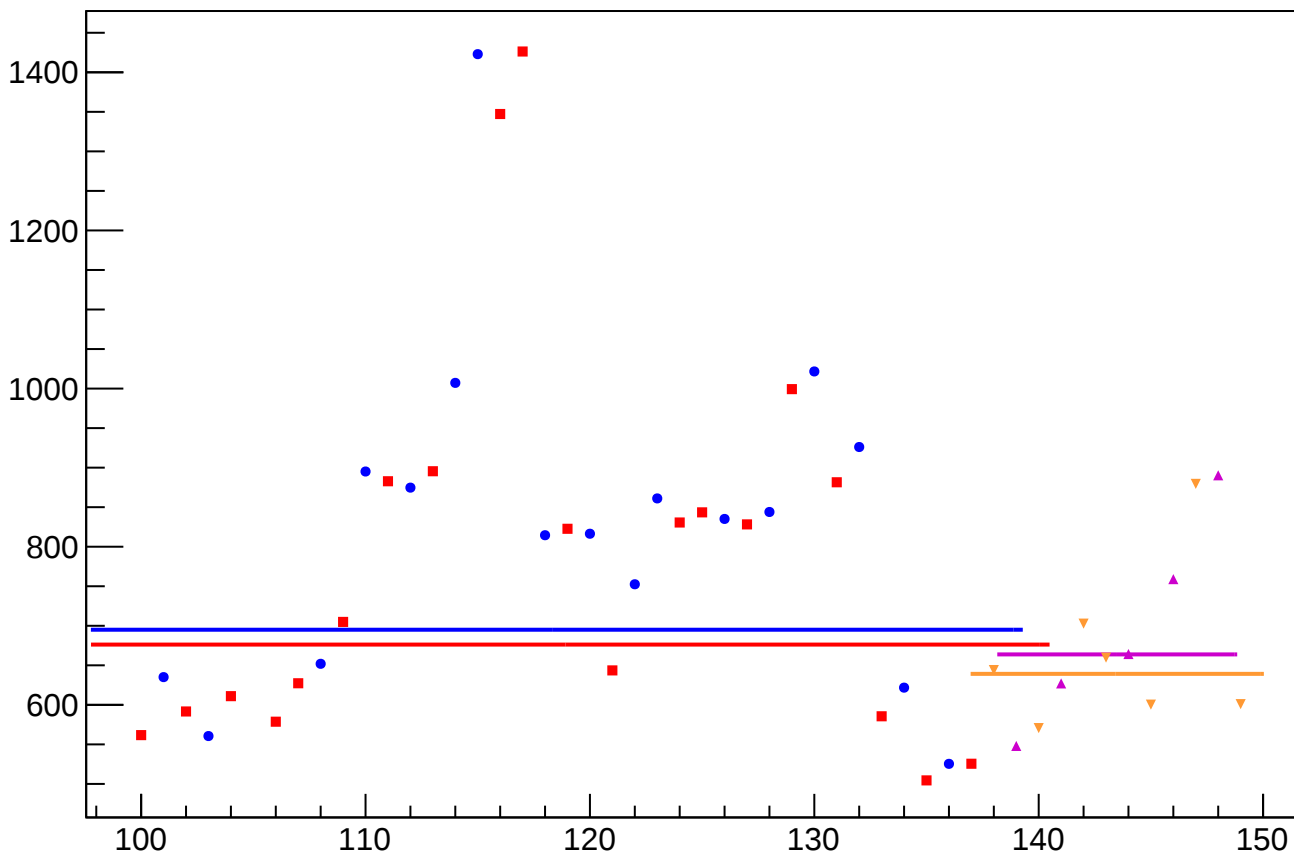
Left In: -919.301 $\pm$ 336.777 χ^2 /NDF: 3.1/4

63.917 $\pm$ 199.984 χ^2 /NDF: 21.2/23

-270.764 $\pm$ 143.438 χ^2 /NDF: 50.5/48

-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: 639.198 $\pm$ 0.205 χ^2/NDF : 159091.6/6

Right Out: 676.229 $\pm$ 0.184 χ^2/NDF : 700313.6/19

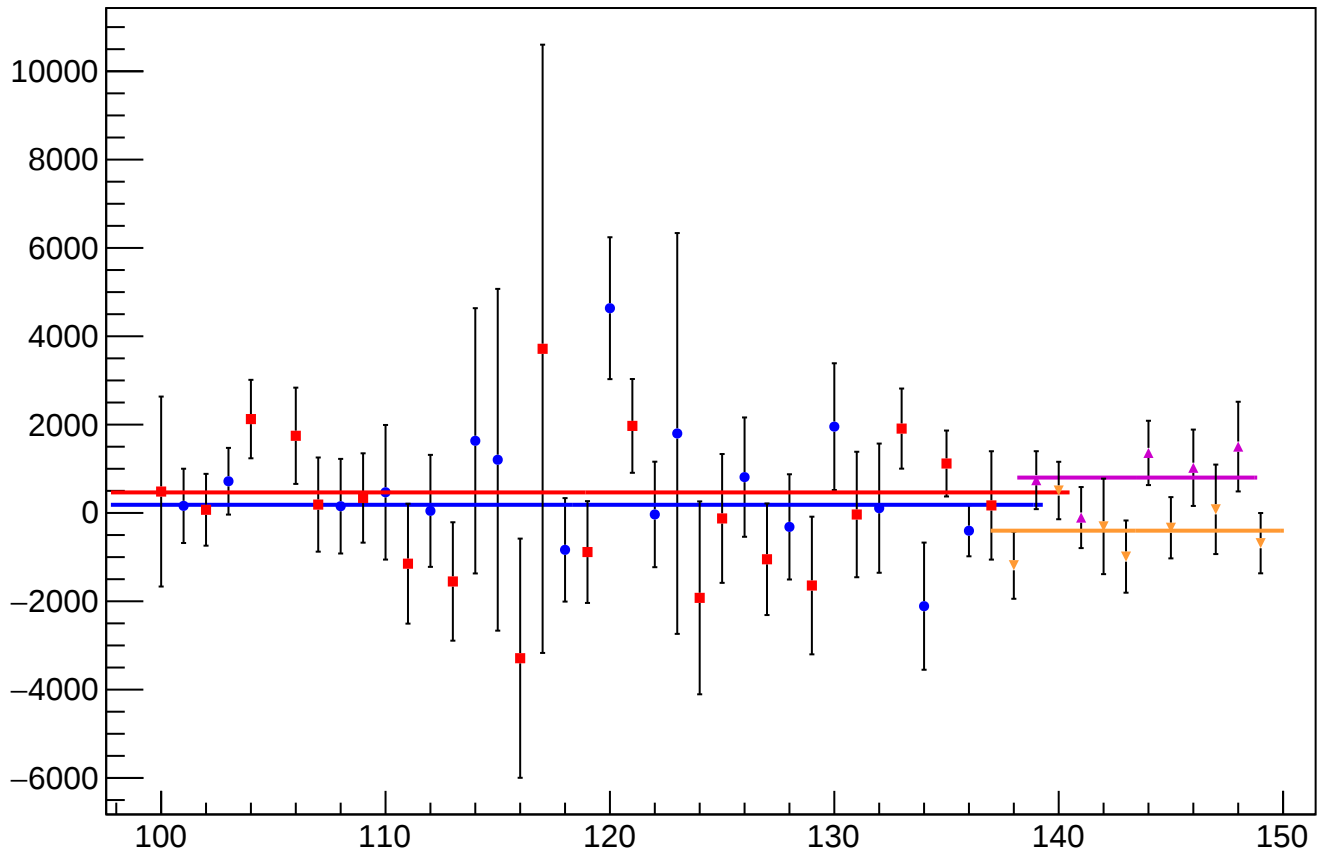
Left In: 663.807 $\pm$ 0.238 χ^2/NDF : 196281.9/4

668.369 $\pm$ 0.141 χ^2/NDF : 875674.5/23

669.932 $\pm$ 0.101 χ^2/NDF : 1774226.3/48

671.588 $\pm$ 0.146 χ^2/NDF : 898300.2/24

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -401.194 ± 293.024 χ^2/NDF : 3.9/6

Right Out: 464.916 ± 262.768 χ^2/NDF : 22.5/19

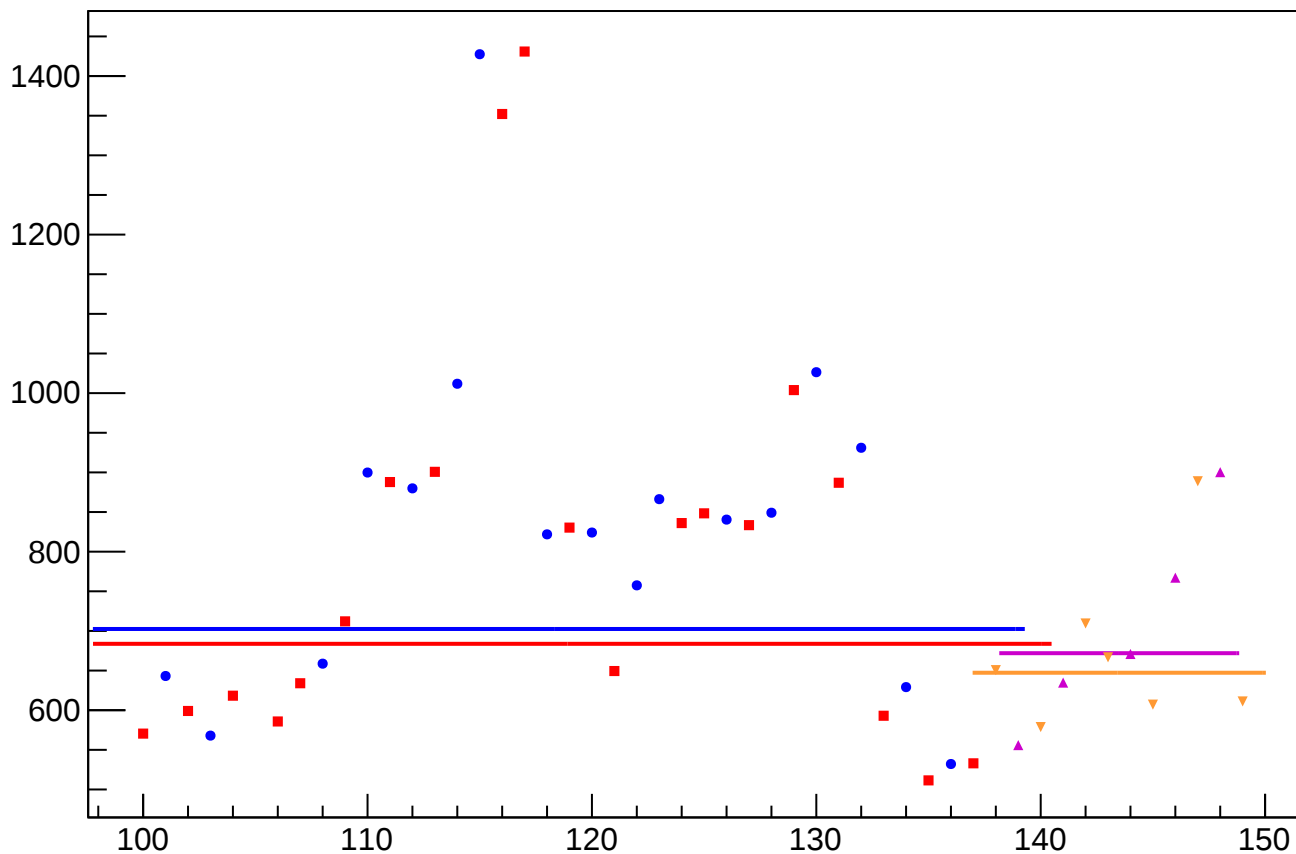
Left In: 800.638 ± 340.751 χ^2/NDF : 2.9/4

-94.395 ± 202.207 χ^2/NDF : 21.0/23

238.054 ± 145.015 χ^2/NDF : 52.5/48

590.110 ± 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: 647.267 +/- 0.207 χ^2/NDF : 156088.6/6

Right Out: 683.751 +/- 0.186 χ^2/NDF : 683105.3/19

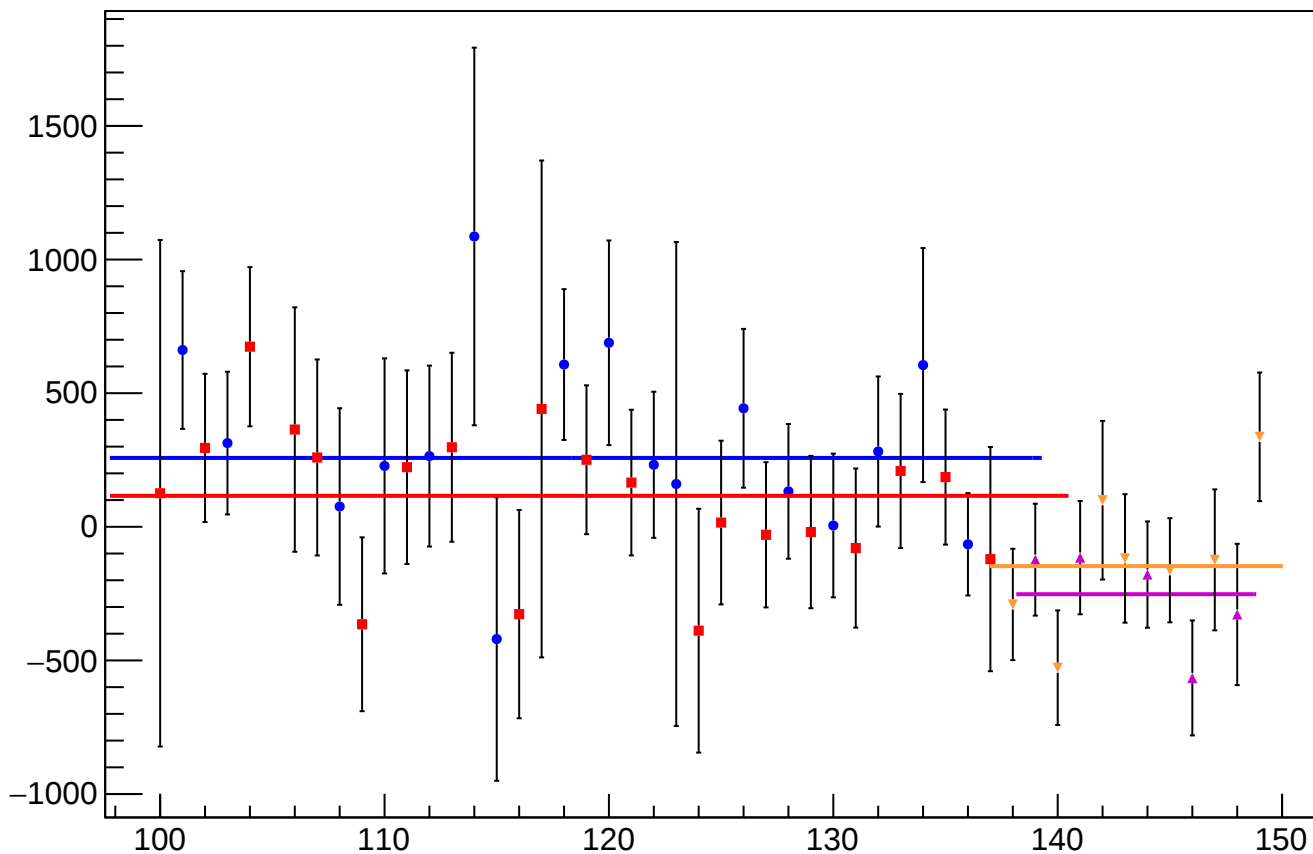
Left In: 671.928 +/- 0.241 χ^2/NDF : 193759.0/4

676.182 +/- 0.143 χ^2/NDF : 853793.2/23

677.717 +/- 0.103 χ^2/NDF : 1732404.8/48

679.342 +/- 0.147 χ^2/NDF : 878374.3/24

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -147.159 ± 87.224 $\chi^2/\text{NDF}: 8.4/6$

Right Out: 115.922 ± 73.976 $\chi^2/\text{NDF}: 11.4/19$

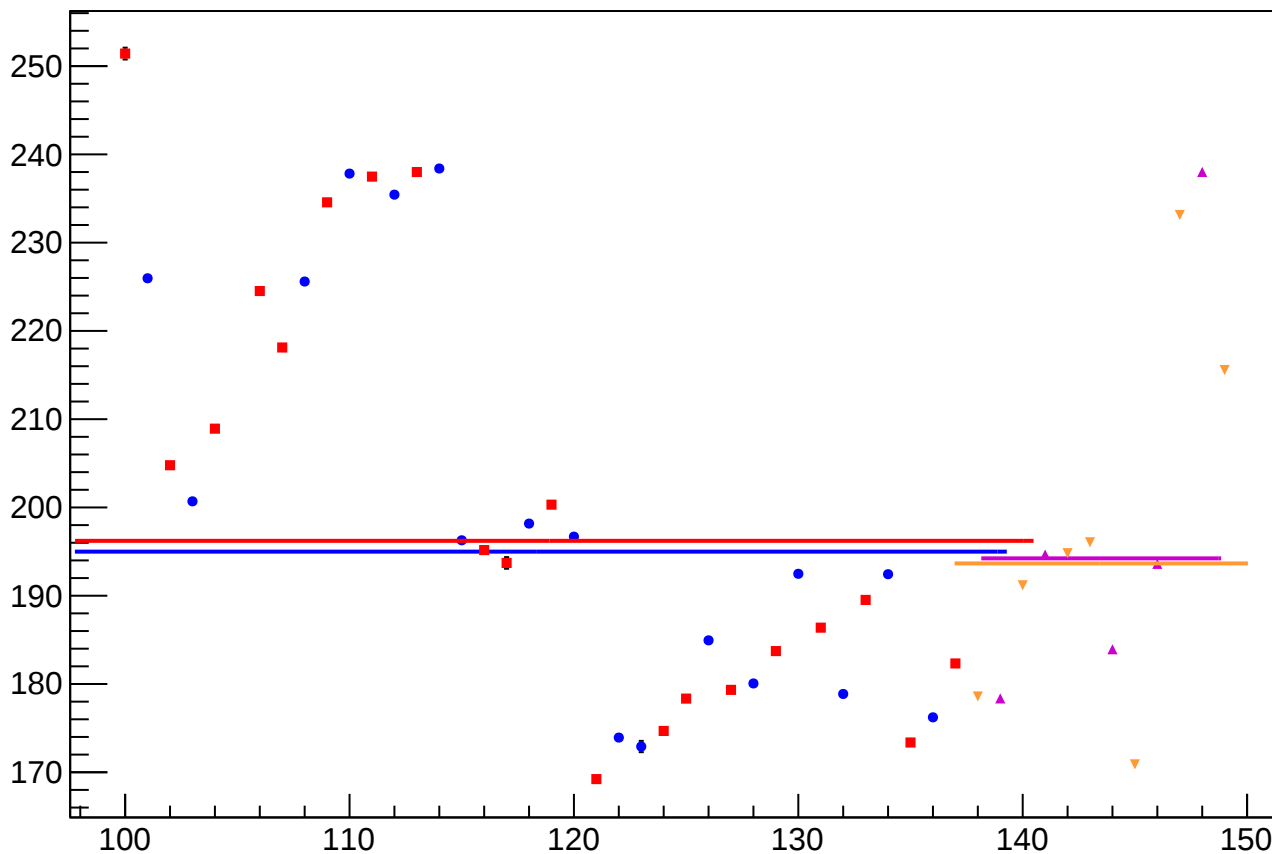
Left In: -252.239 ± 97.005 $\chi^2/\text{NDF}: 3.1/4$

83.172 ± 57.271 $\chi^2/\text{NDF}: 33.6/23$

33.230 ± 41.034 $\chi^2/\text{NDF}: 58.8/48$

-19.455 ± 58.823 $\chi^2/\text{NDF}: 23.6/24$

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: 193.658 $\pm$ 0.062 χ^2 /NDF: 99647.9/6

Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

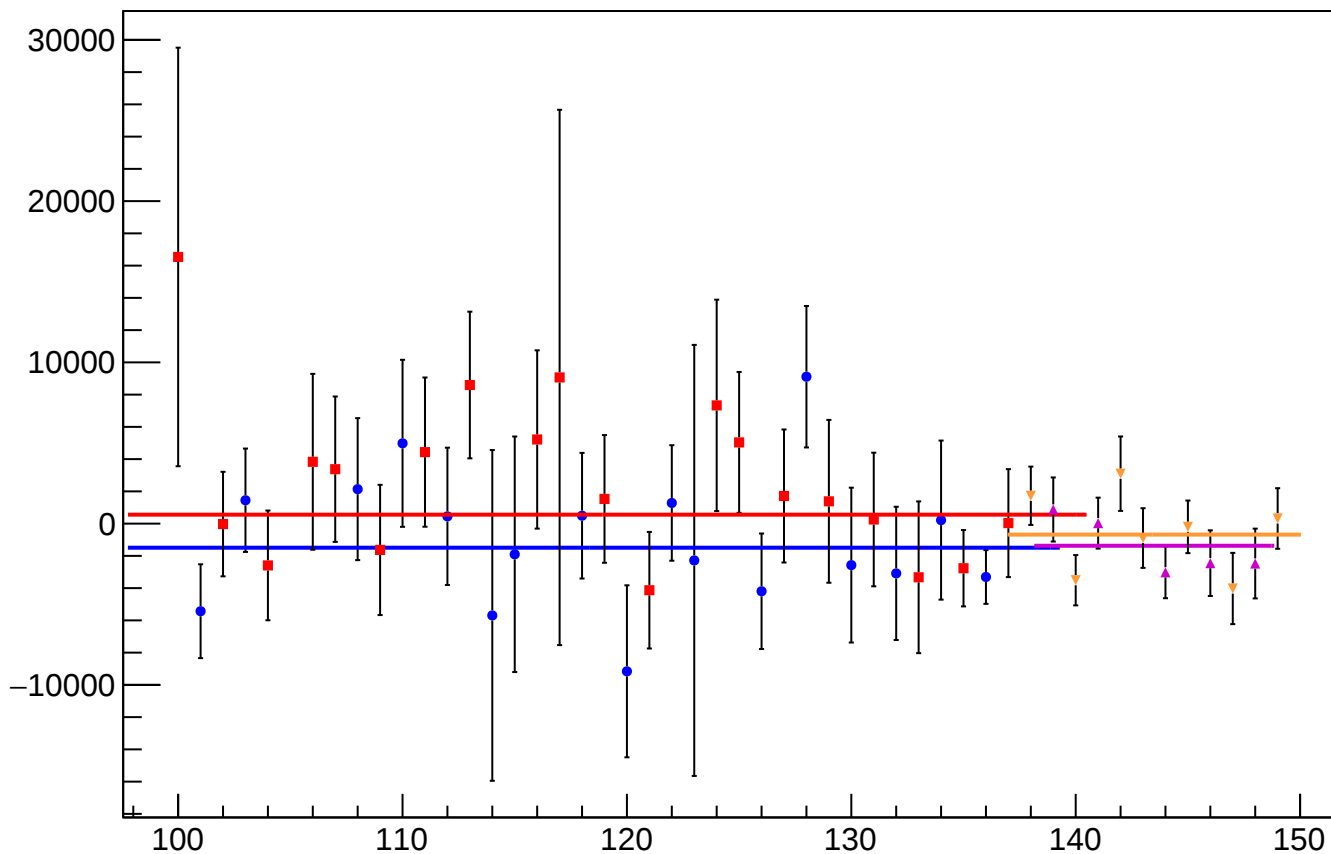
Left In: 194.232 $\pm$ 0.069 χ^2 /NDF: 71700.8/4

194.418 $\pm$ 0.040 χ^2 /NDF: 244186.1/23

194.939 $\pm$ 0.029 χ^2 /NDF: 490263.6/48

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 $\pm$ 910.834 χ^2 /NDF: 16.1/16

Left Out: -680.695 $\pm$ 696.563 χ^2 /NDF:10.4/6

Right Out: 555.744 $\pm$ 933.239 χ^2 /NDF: 14.9/19

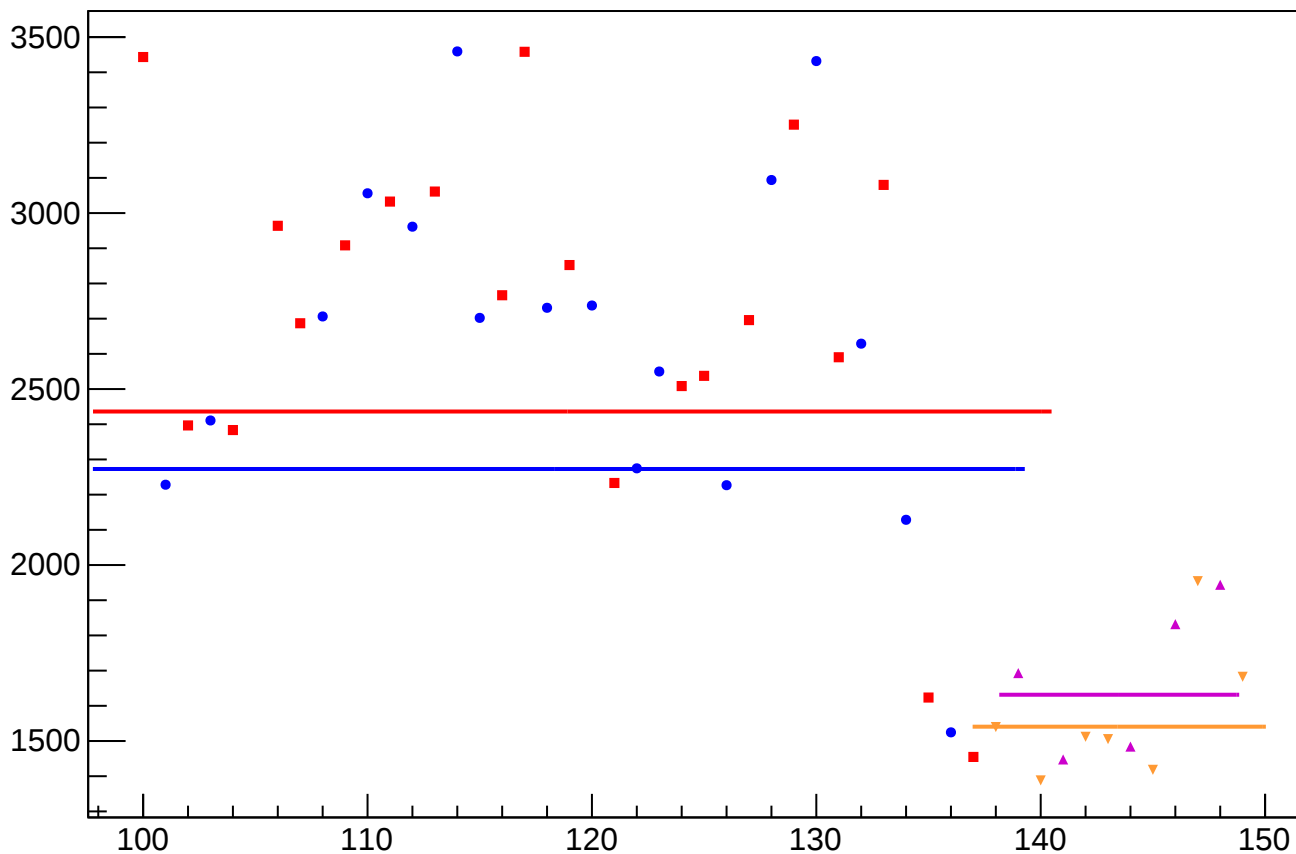
Left In: -1371.985 $\pm$ 817.771 χ^2 /NDF:3.7/4

-980.558 $\pm$ 553.308 χ^2 /NDF: 27.1/23

-781.120 $\pm$ 411.349 χ^2 /NDF: 48.3/48

-534.691 $\pm$ 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: 1540.721 $\pm$ 0.493 χ^2 /NDF: 112915.1/6

Right Out: 2436.191 $\pm$ 0.660 χ^2 /NDF: 688391.3/19

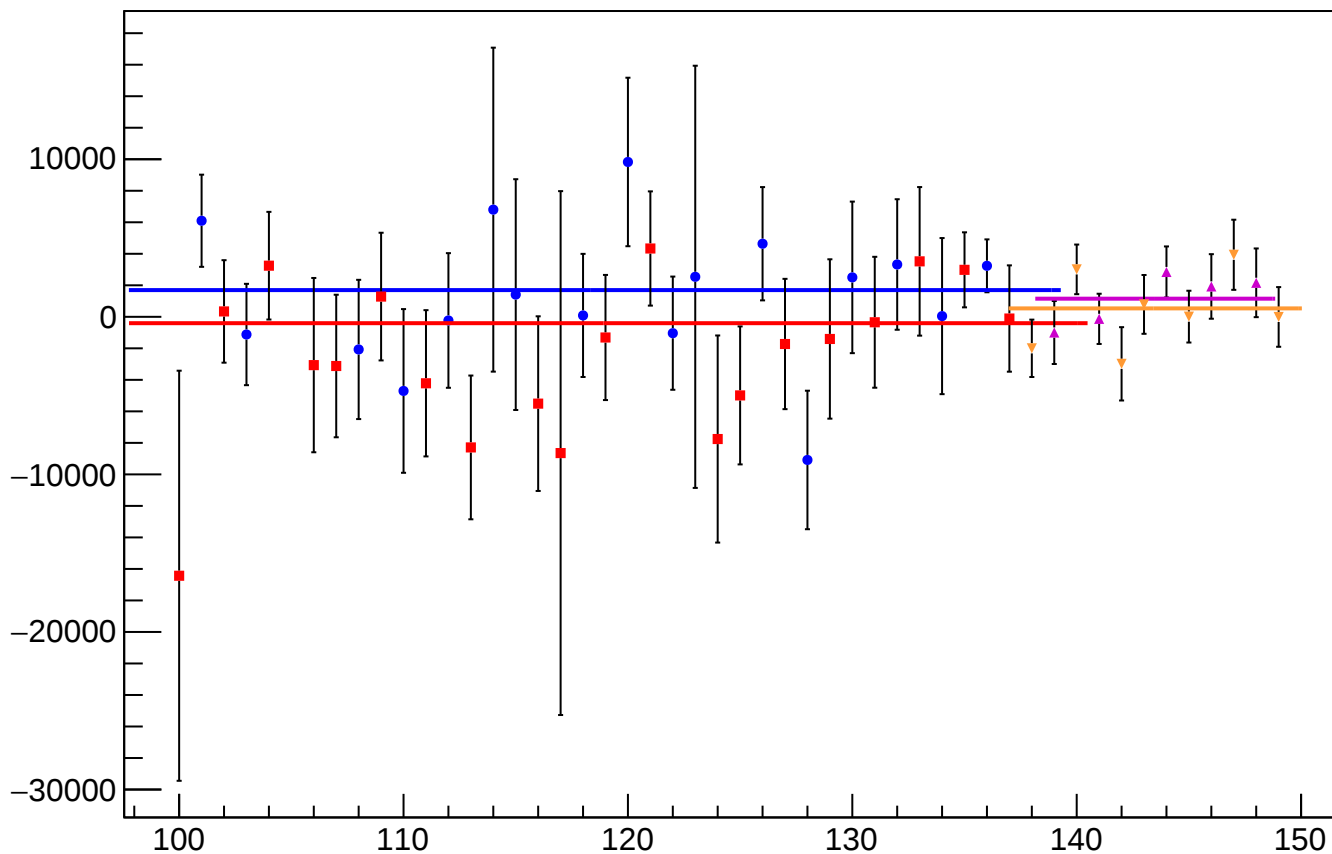
Left In: 1631.477 $\pm$ 0.578 χ^2 /NDF: 106907.6/4

1810.906 $\pm$ 0.391 χ^2 /NDF: 1733982.4/23

1886.989 $\pm$ 0.291 χ^2 /NDF: 3454987.2/48

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: 534.772 $\pm$ 702.228 χ^2/NDF : 9.2/6

Right Out: -403.904 $\pm$ 937.036 χ^2/NDF : 15.2/19

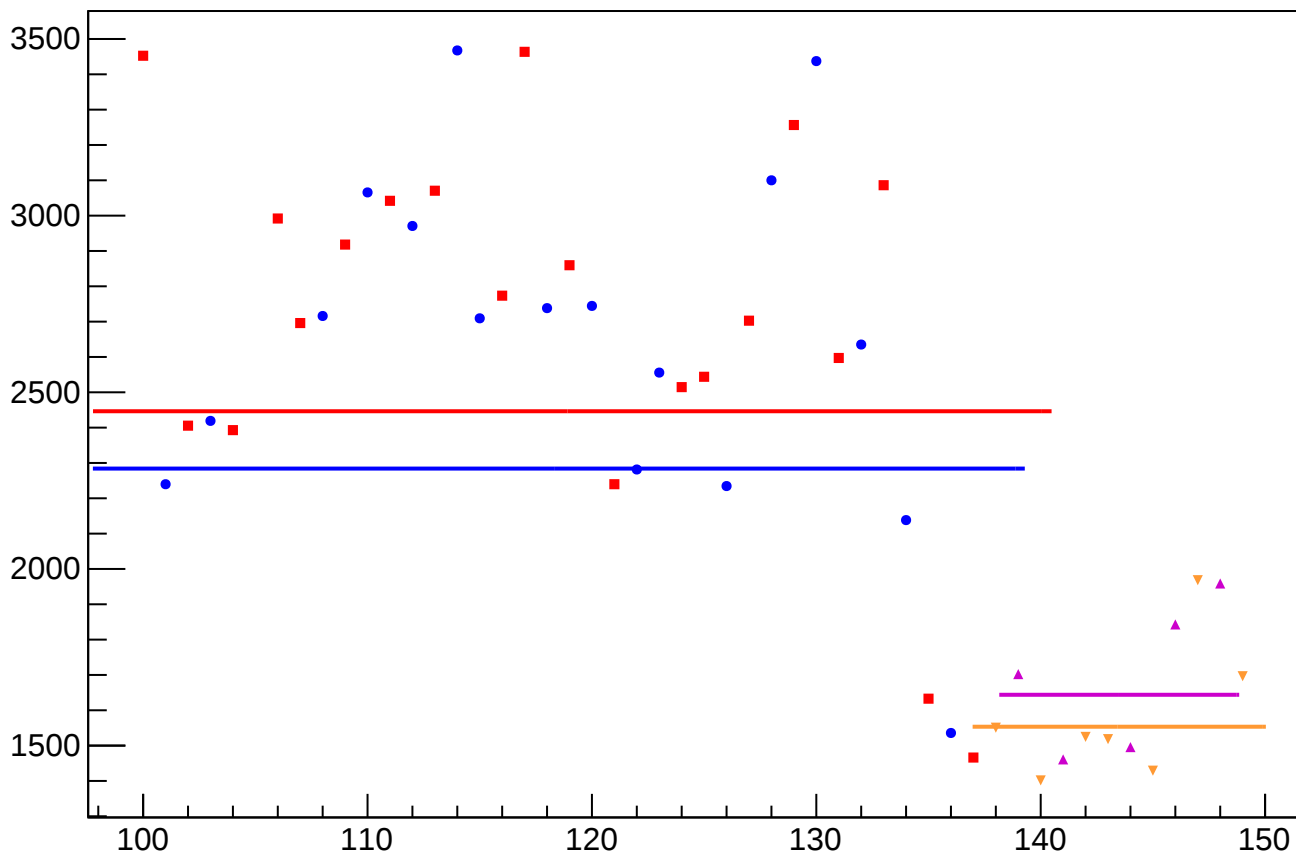
Left In: 1151.229 $\pm$ 823.848 χ^2/NDF : 3.2/4

965.277 $\pm$ 557.046 χ^2/NDF : 26.9/23

744.984 $\pm$ 413.982 χ^2/NDF : 47.2/48

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: 1553.469+/-0.497 χ^2/NDF : 111964.8/6

Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

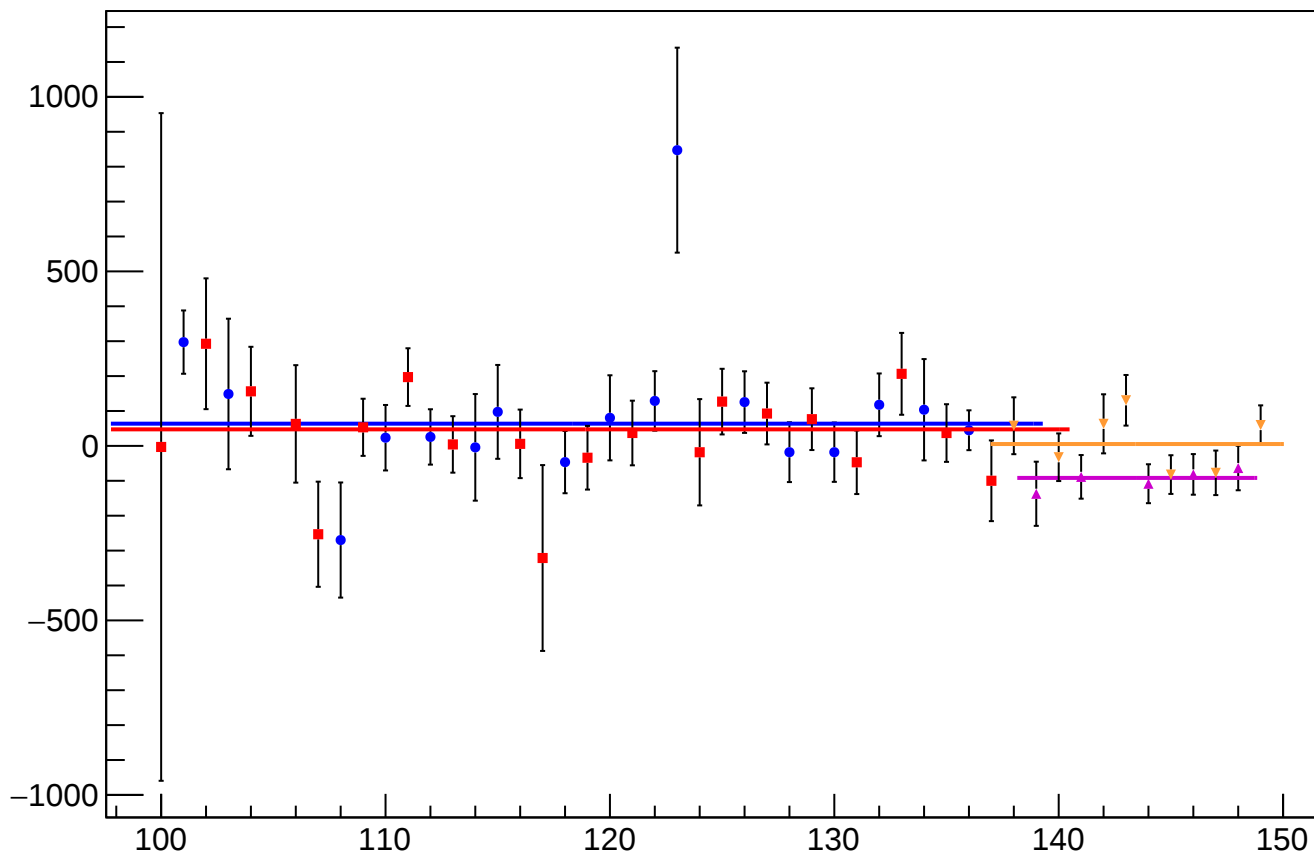
Left In: 1643.861+/-0.583 χ^2/NDF : 105393.3/4

1824.349+/-0.394 χ^2/NDF : 1708654.9/23

1900.185+/-0.293 χ^2/NDF : 3404636.2/48

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: 5.343 $\pm$ 25.152 χ^2 /NDF: 9.3/6

Right Out: 47.367 $\pm$ 23.568 χ^2 /NDF: 18.7/19

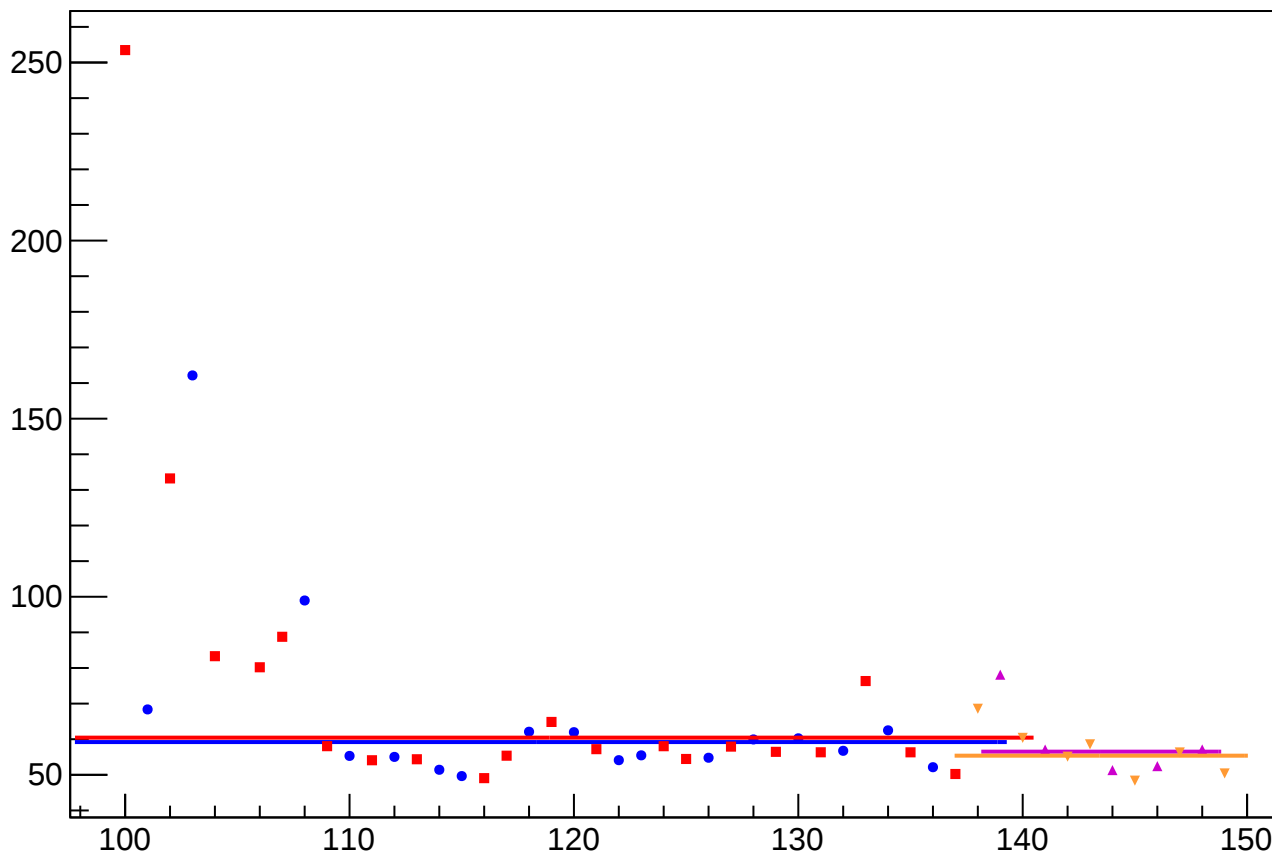
Left In: -91.750 $\pm$ 28.436 χ^2 /NDF: 0.6/4

36.184 $\pm$ 17.265 χ^2 /NDF: 35.8/23

14.580 $\pm$ 12.508 χ^2 /NDF: 72.6/48

-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: 55.380 ± 0.018 χ^2/NDF : 115012.1/6

Right Out: 60.443 ± 0.017 χ^2/NDF : 680790.3/19

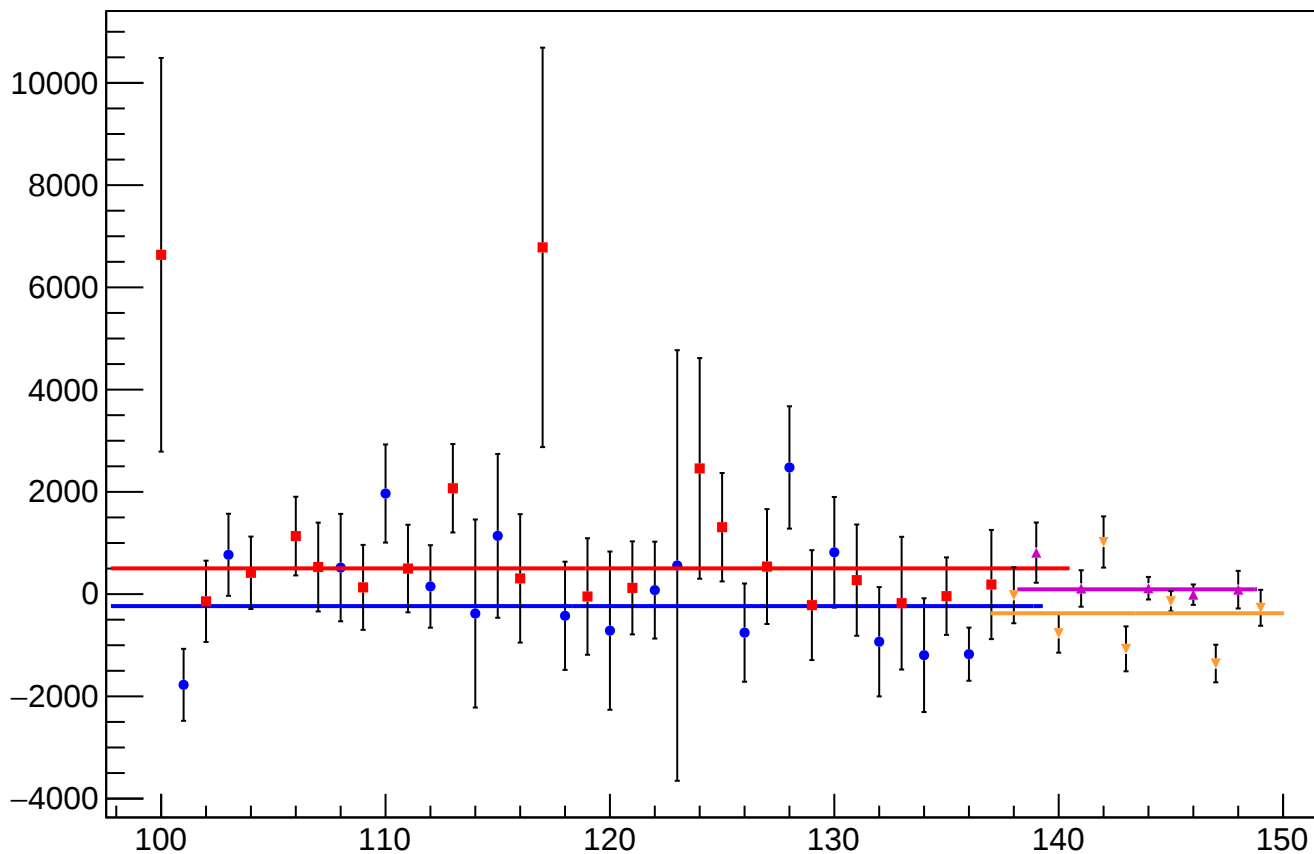
Left In: 56.507 ± 0.020 χ^2/NDF : 137899.5/4

57.400 ± 0.012 χ^2/NDF : 804885.3/23

58.085 ± 0.009 χ^2/NDF : 1652901.2/48

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 χ^2/NDF : 24.2/16

Left Out: -374.428 ± 128.601 χ^2/NDF : 20.4/6

Right Out: 503.638 ± 221.955 χ^2/NDF : 13.2/19

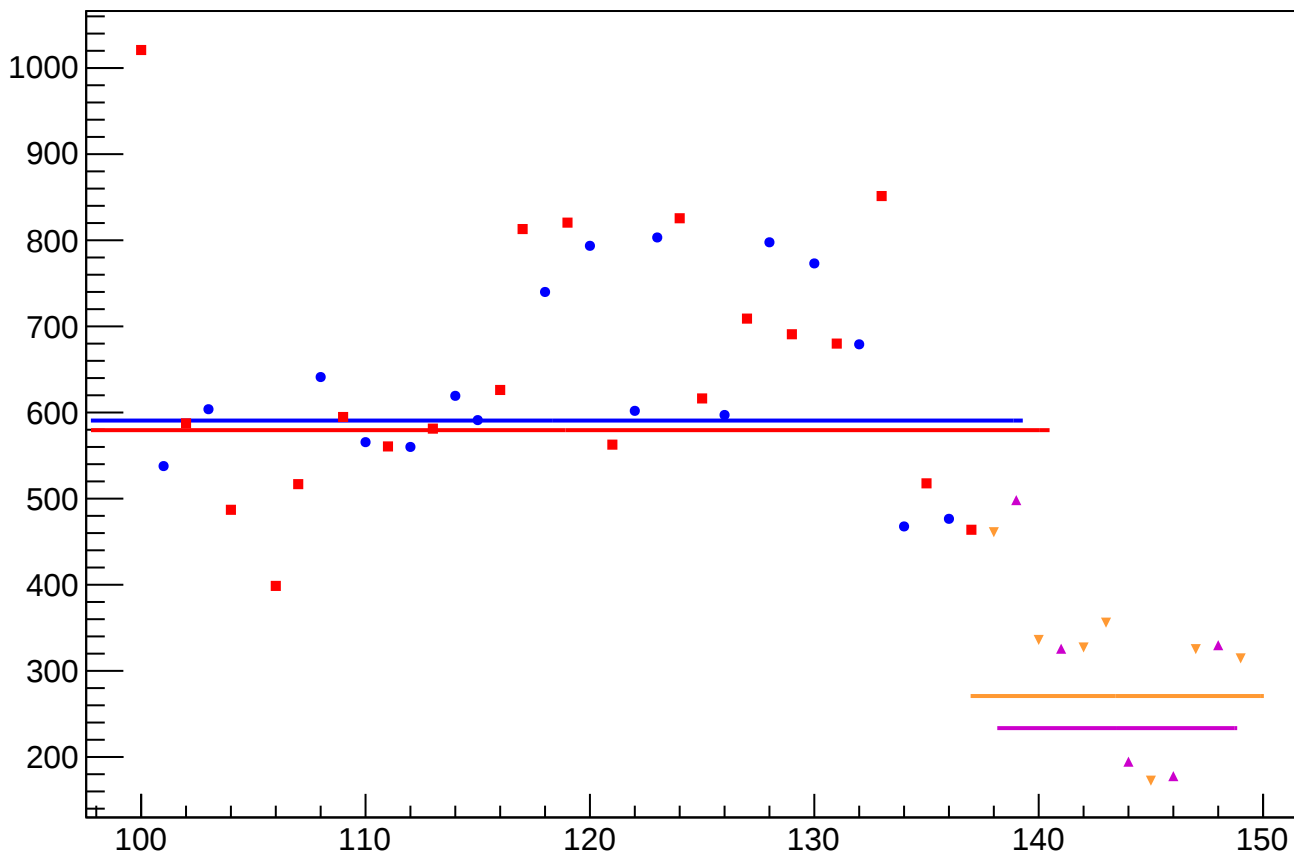
Left In: 93.457 ± 125.193 χ^2/NDF : 1.8/4

-341.941 ± 112.689 χ^2/NDF : 44.8/23

-65.956 ± 78.362 χ^2/NDF : 74.0/48

192.459 ± 109.043 χ^2/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: 270.789 $\pm$ 0.091 χ^2/NDF : 968941.5/6

Right Out: 579.509 $\pm$ 0.157 χ^2/NDF : 501132.1/19

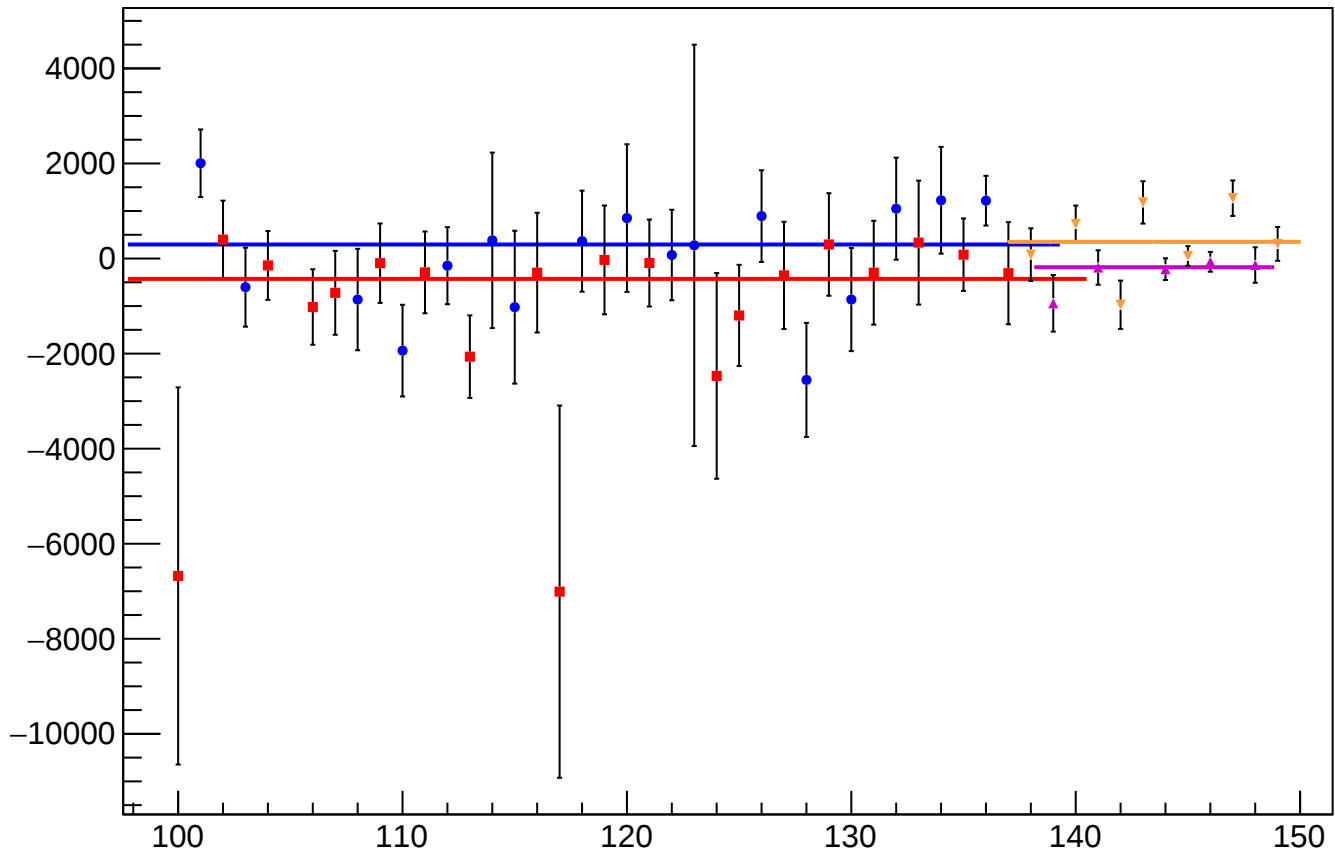
Left In: 233.521 $\pm$ 0.089 χ^2/NDF : 893935.2/4

345.048 $\pm$ 0.080 χ^2/NDF : 4193554.7/23

330.578 $\pm$ 0.055 χ^2/NDF : 9339352.7/48

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 χ^2/NDF : 26.1/16

Left Out: 350.676 ± 131.761 χ^2/NDF : 19.6/6

Right Out: -427.853 ± 224.485 χ^2/NDF : 13.8/19

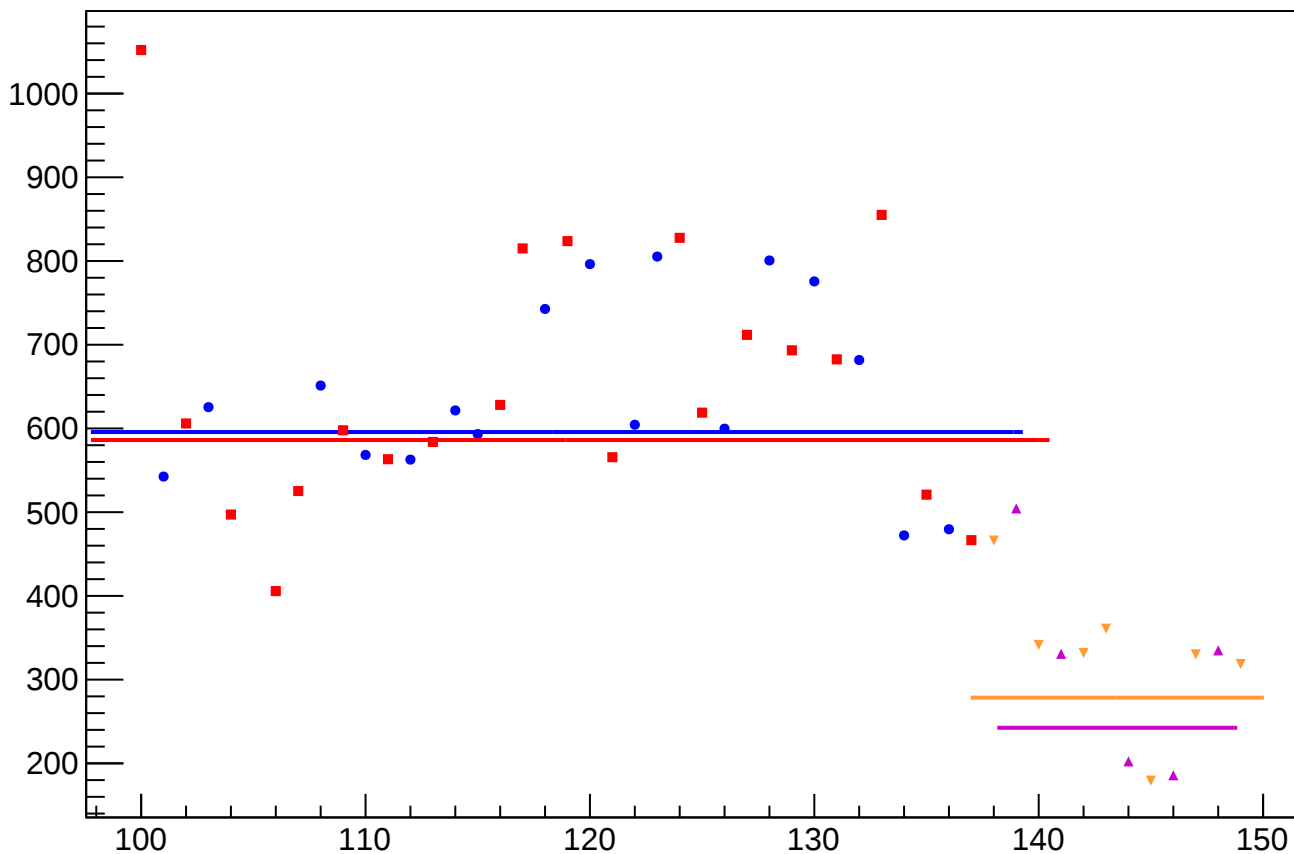
Left In: -182.544 ± 129.351 χ^2/NDF : 2.0/4

337.529 ± 115.029 χ^2/NDF : 45.7/23

39.366 ± 80.274 χ^2/NDF : 75.5/48

-243.690 ± 112.077 χ^2/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: 278.495 $\pm$ 0.093 χ^2/NDF : 902385.9/6

Right Out: 586.176 $\pm$ 0.159 χ^2/NDF : 481325.4/19

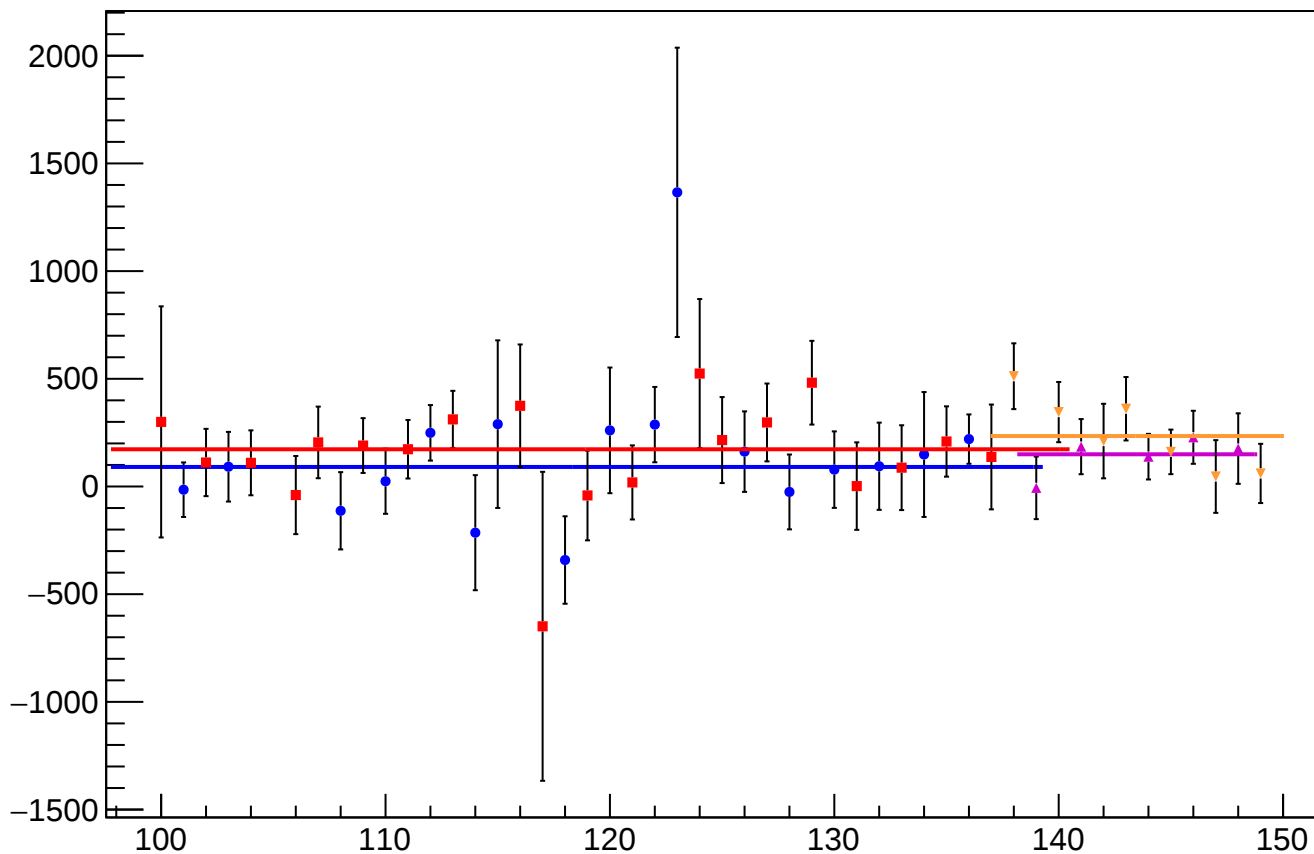
Left In: 242.483 $\pm$ 0.091 χ^2/NDF : 838000.7/4

353.950 $\pm$ 0.081 χ^2/NDF : 4010052.4/23

340.716 $\pm$ 0.057 χ^2/NDF : 8900503.5/48

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: 234.252+/-53.080 χ^2/NDF : 8.0/6

Right Out: 172.786+/-41.033 χ^2/NDF : 11.6/19

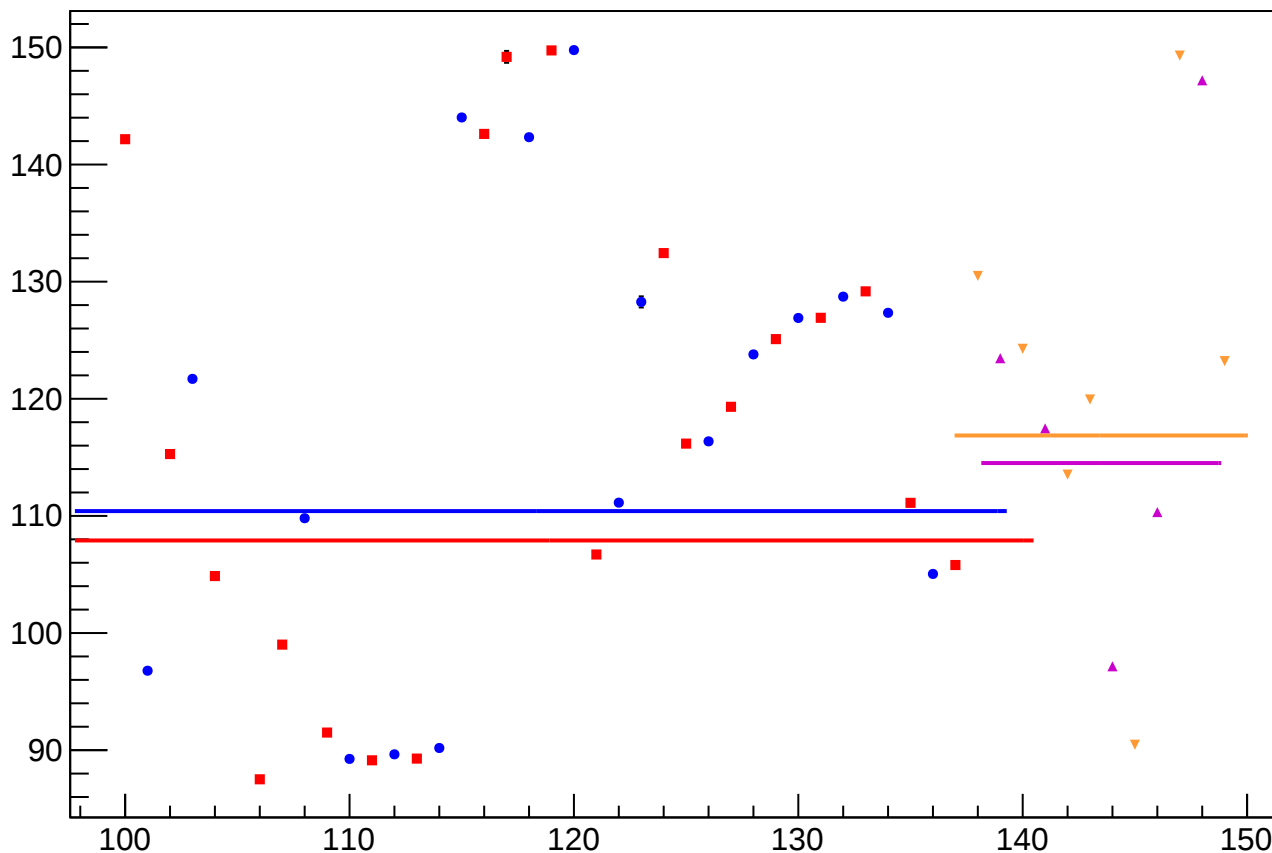
Left In: 149.501+/-57.643 χ^2/NDF : 1.7/4

148.084+/-33.558 χ^2/NDF : 29.3/23

156.552+/-23.683 χ^2/NDF : 42.9/48

164.955+/-33.429 χ^2/NDF : 13.4/24

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 +/- 0.031 χ^2/NDF : 296425.4/16

Left Out: 116.867 +/- 0.038 χ^2/NDF : 231546.5/6

Right Out: 107.903 +/- 0.029 χ^2/NDF : 351091.4/19

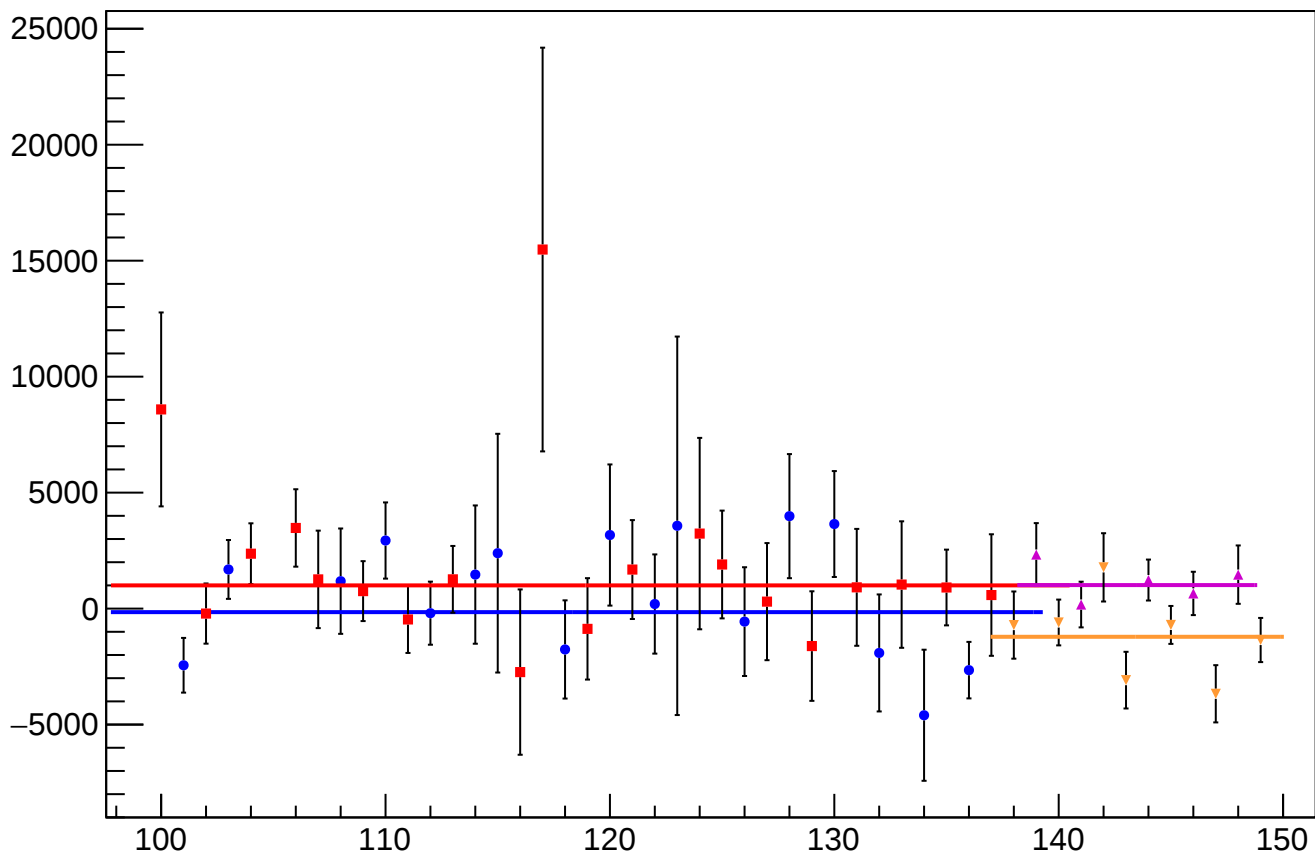
Left In: 114.514 +/- 0.041 χ^2/NDF : 144433.2/4

112.992 +/- 0.024 χ^2/NDF : 545731.8/23

111.554 +/- 0.017 χ^2/NDF : 1066030.7/48

110.127 +/- 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: -1215.298+/-412.068 χ^2/NDF : 11.4/6

Right Out: 1000.907+/-434.569 χ^2/NDF : 15.1/19

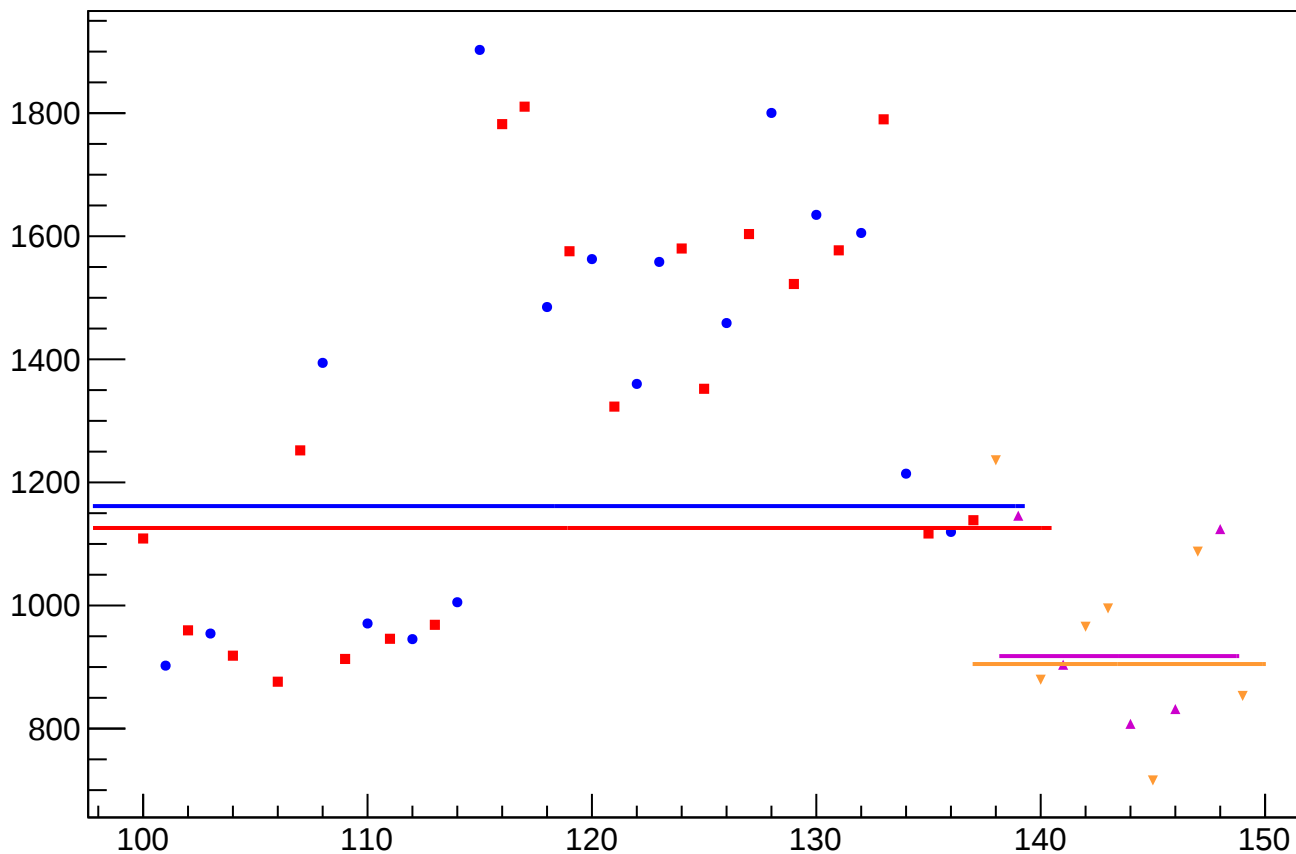
Left In: 1013.999+/-464.449 χ^2/NDF : 2.0/4

-747.485+/-308.328 χ^2/NDF : 39.0/23

104.542+/-221.133 χ^2/NDF : 71.8/48

1007.019+/-317.324 χ^2/NDF : 17.1/24

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 904.901 $\pm$ 0.291 χ^2 /NDF: 276857.8/6

Right Out: 1125.946 $\pm$ 0.307 χ^2 /NDF: 780195.3/19

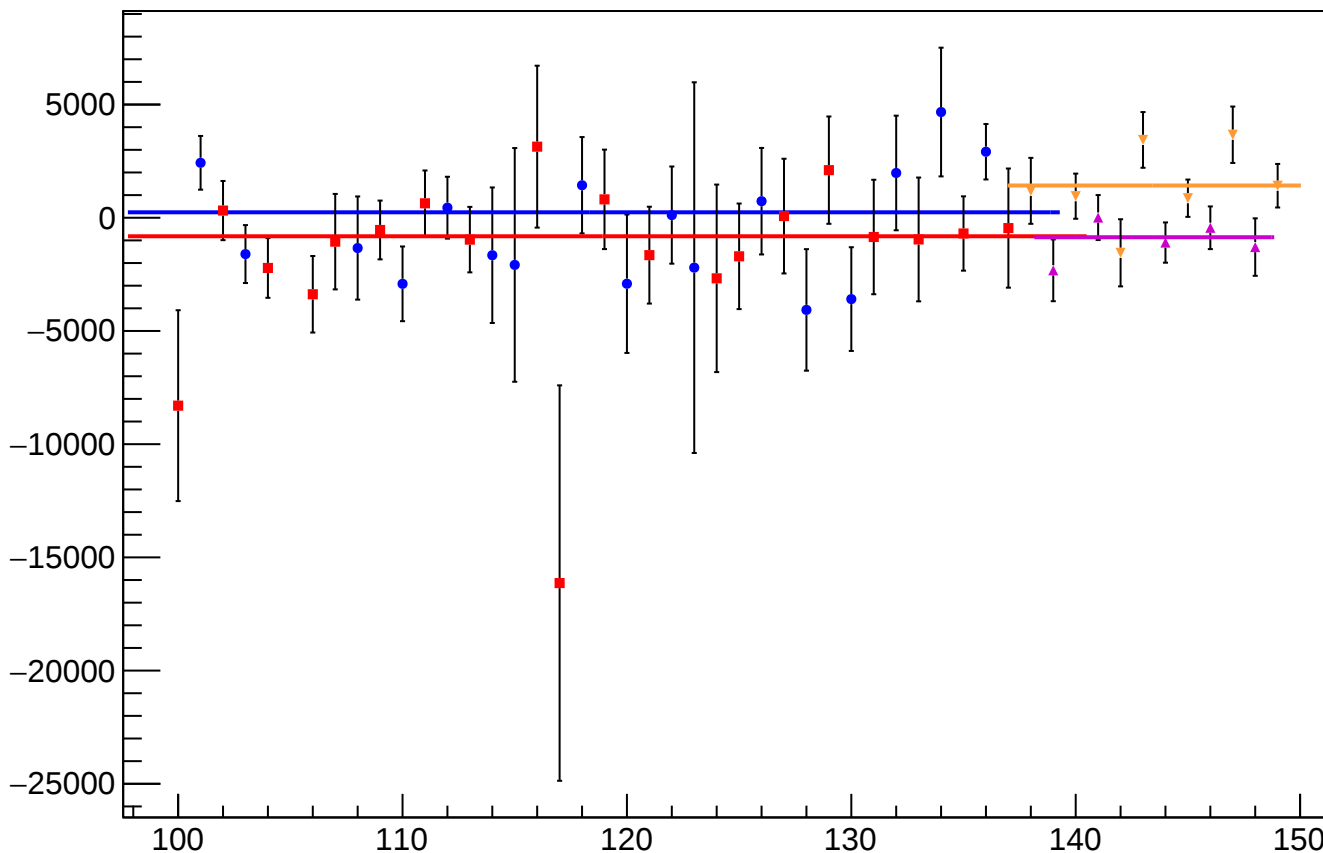
Left In: 917.806 $\pm$ 0.328 χ^2 /NDF: 158838.7/4

1017.852 $\pm$ 0.218 χ^2 /NDF: 1314181.0/23

1023.162 $\pm$ 0.156 χ^2 /NDF: 2468604.5/48

1028.786 $\pm$ 0.224 χ^2 /NDF: 1153201.9/24

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 ± 467.036 $\chi^2/\text{NDF}: 24.8/16$

Left Out: 1424.490 ± 415.633 $\chi^2/\text{NDF}: 10.7/6$

Right Out: -817.635 ± 436.939 $\chi^2/\text{NDF}: 15.4/19$

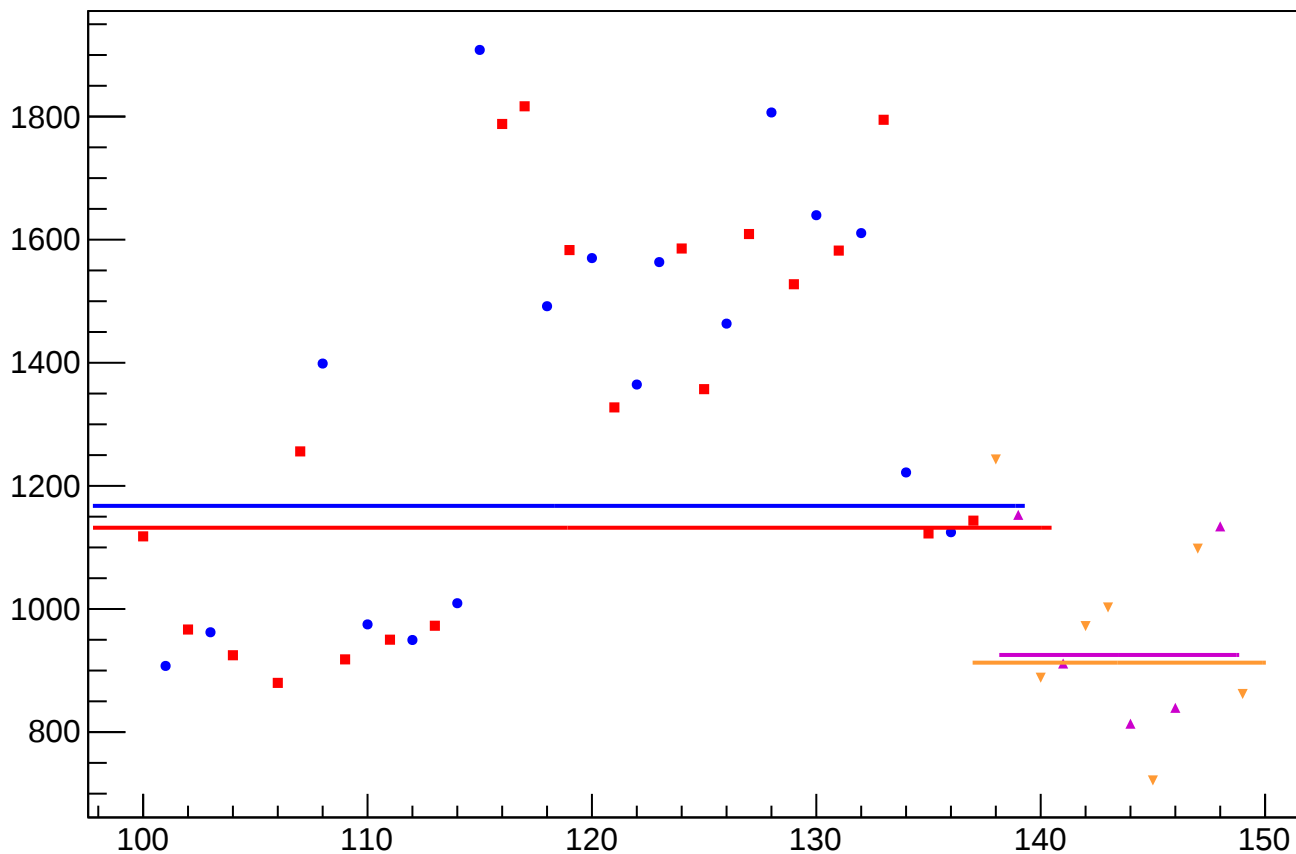
Left In: -860.217 ± 468.191 $\chi^2/\text{NDF}: 2.3/4$

901.316 ± 310.486 $\chi^2/\text{NDF}: 39.1/23$

56.639 ± 222.645 $\chi^2/\text{NDF}: 72.0/48$

-837.457 ± 319.440 $\chi^2/\text{NDF}: 17.7/24$

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2/NDF : 690485.6/16

Left Out: 912.828 $\pm$ 0.294 χ^2/NDF : 275319.1/6

Right Out: 1132.019 $\pm$ 0.309 χ^2/NDF : 773827.8/19

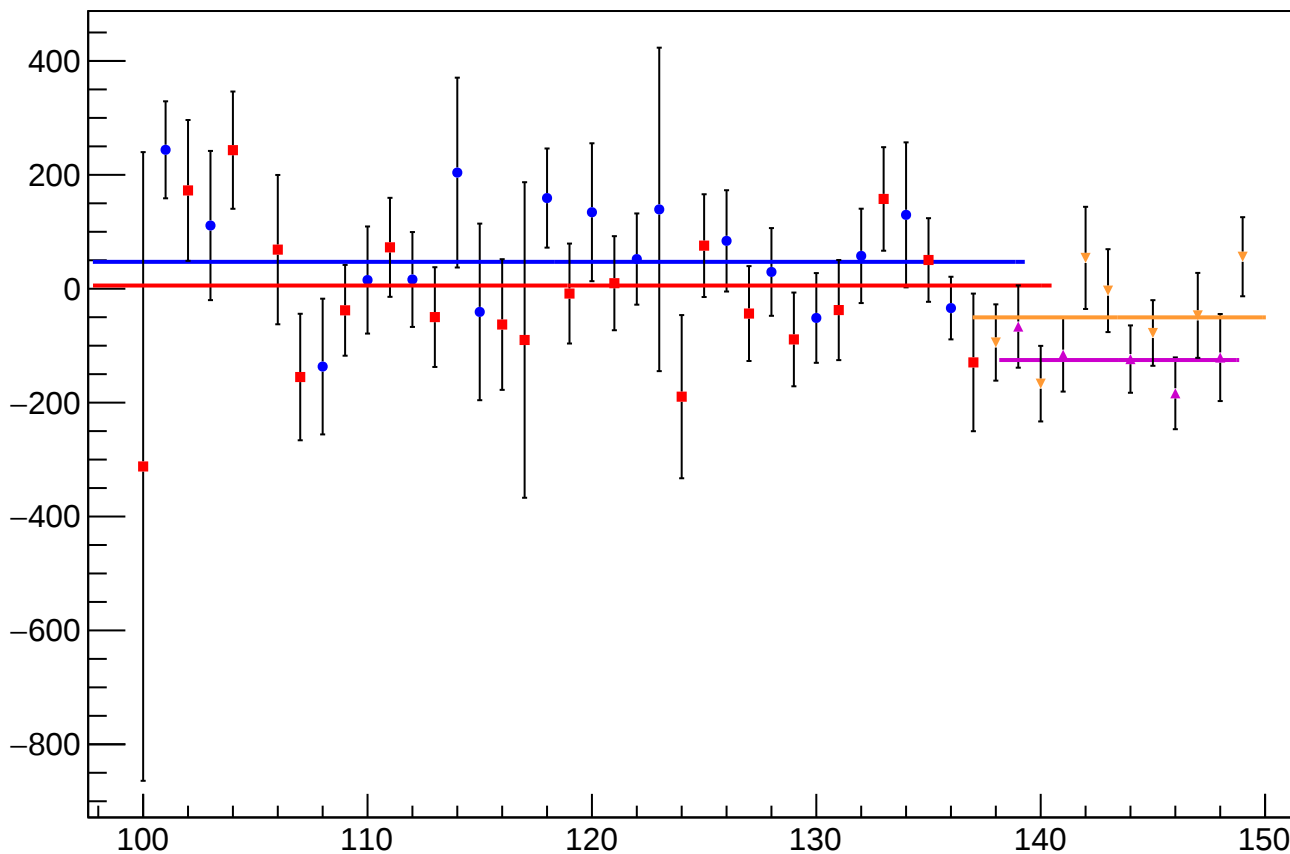
Left In: 925.336 $\pm$ 0.331 χ^2/NDF : 158340.7/4

1025.400 $\pm$ 0.220 χ^2/NDF : 1297767.6/23

1030.455 $\pm$ 0.157 χ^2/NDF : 2439347.3/48

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: -50.262 +/- 26.251 χ^2/NDF : 7.9/6

Right Out: 5.636 +/- 22.057 χ^2/NDF : 20.4/19

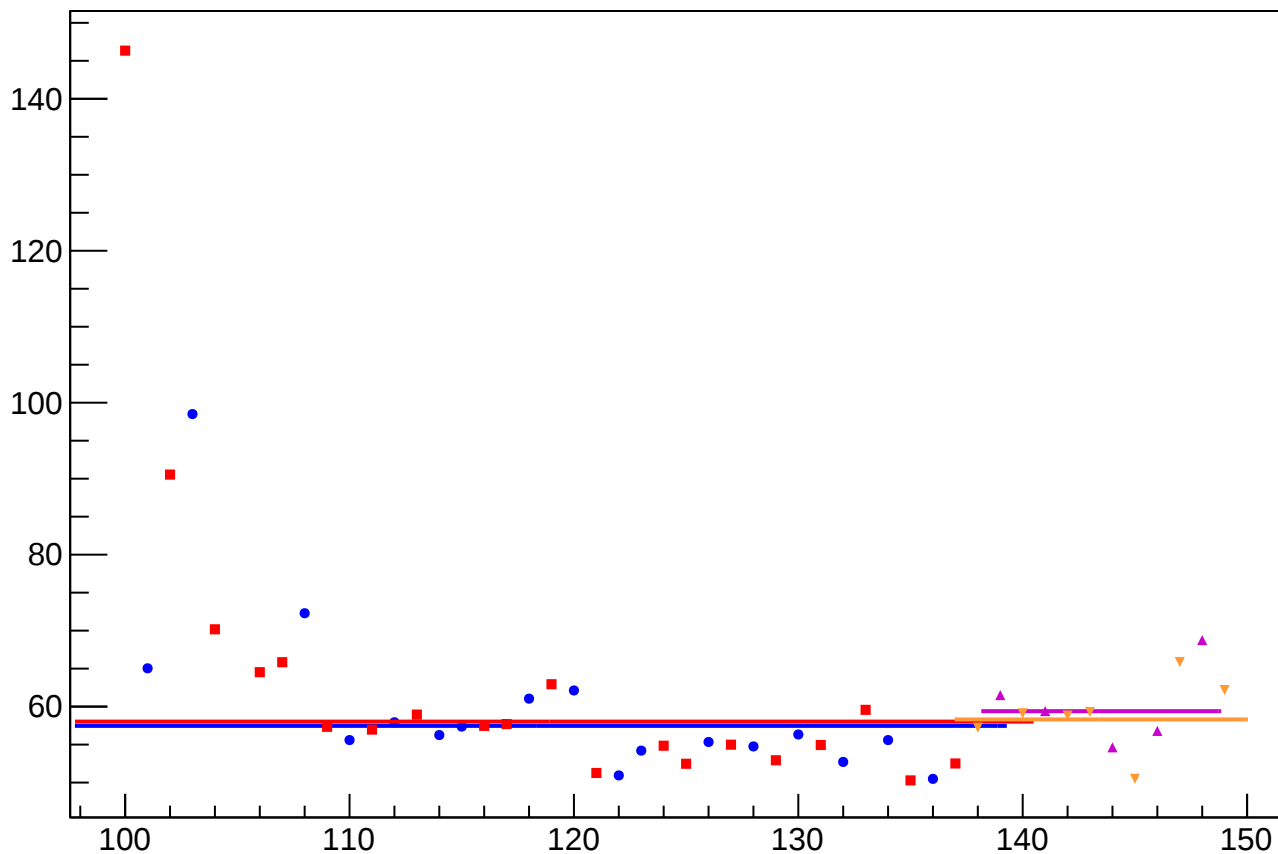
Left In: -125.189 +/- 29.634 χ^2/NDF : 1.5/4

5.800 +/- 17.112 χ^2/NDF : 31.9/23

-16.820 +/- 12.301 χ^2/NDF : 70.0/48

-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: 58.310 $\pm$ 0.019 χ^2/NDF : 64741.6/6

Right Out: 58.025 $\pm$ 0.016 χ^2/NDF : 300790.9/19

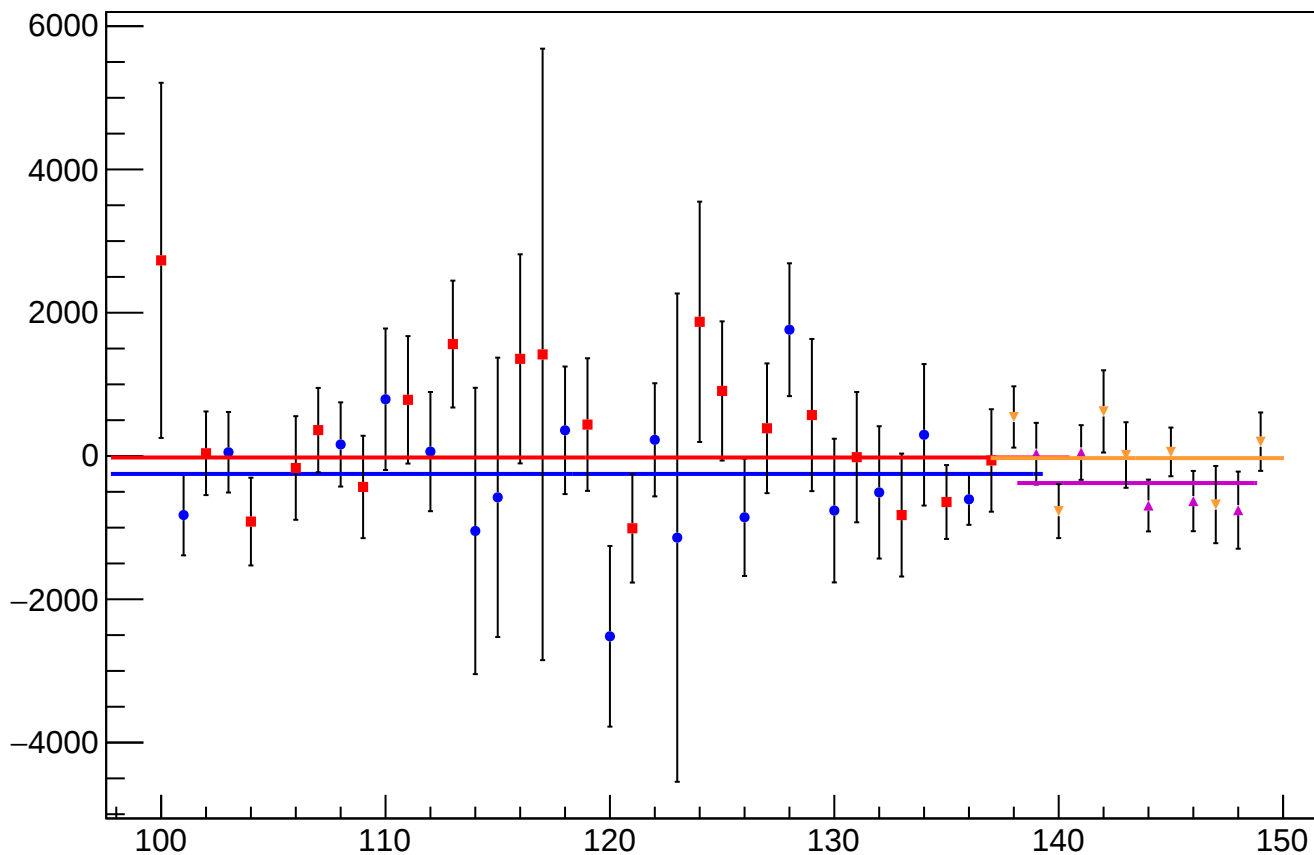
Left In: 59.398 $\pm$ 0.021 χ^2/NDF : 48076.6/4

57.824 $\pm$ 0.012 χ^2/NDF : 373089.5/23

58.158 $\pm$ 0.009 χ^2/NDF : 726291.0/48

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+/-184.092 χ^2/NDF : 14.3/16

Left Out: -29.265+/-161.285 χ^2/NDF : 8.8/6

Right Out: -20.701+/-181.669 χ^2/NDF : 16.2/19

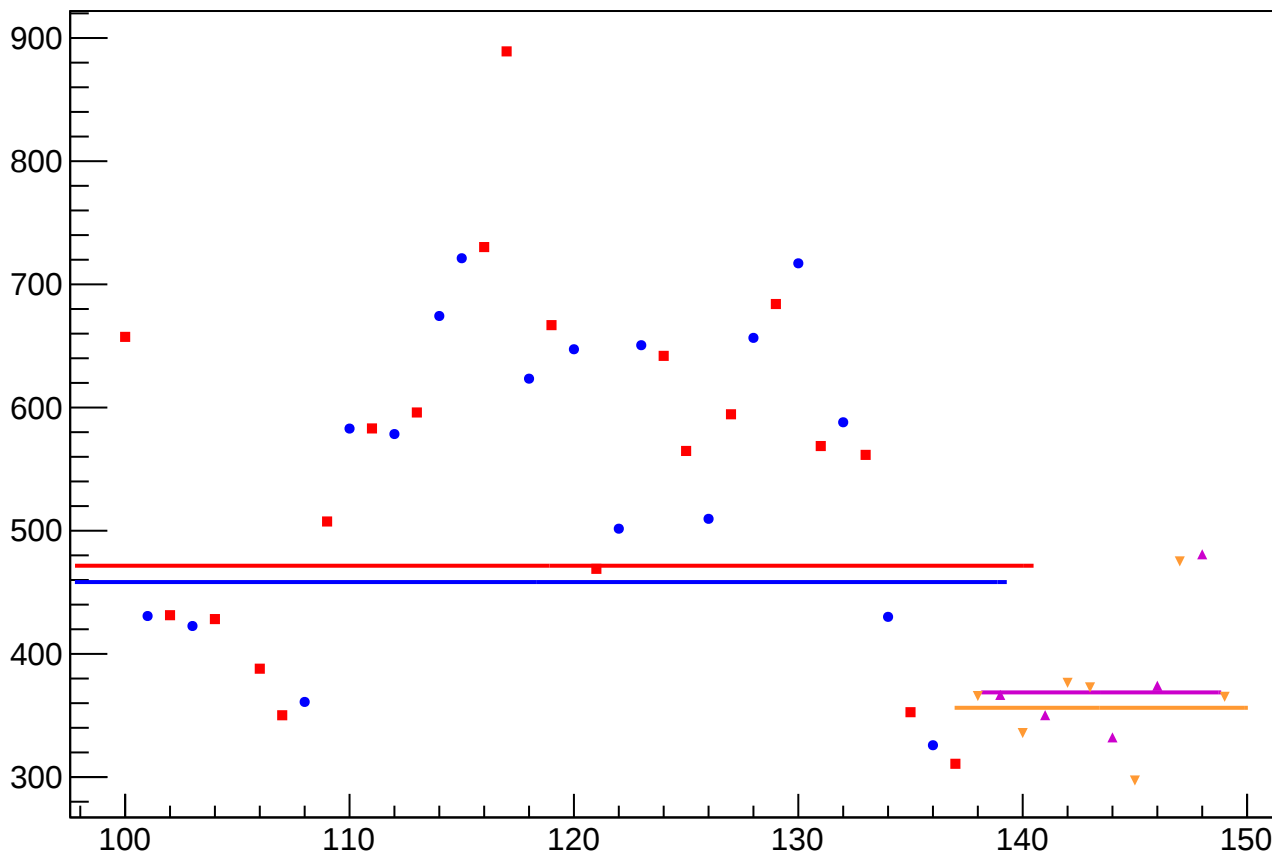
Left In: -377.259+/-185.631 χ^2/NDF : 3.8/4

-125.180+/-121.313 χ^2/NDF : 23.9/23

-157.786+/-88.642 χ^2/NDF : 45.9/48

-195.135+/-129.838 χ^2/NDF : 21.8/24

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324 $\pm$ 0.130 χ^2 /NDF: 877201.7/16

Left Out: 356.249 $\pm$ 0.114 χ^2 /NDF:170611.4/6

Right Out: 471.585 $\pm$ 0.128 χ^2 /NDF: 797816.0/19

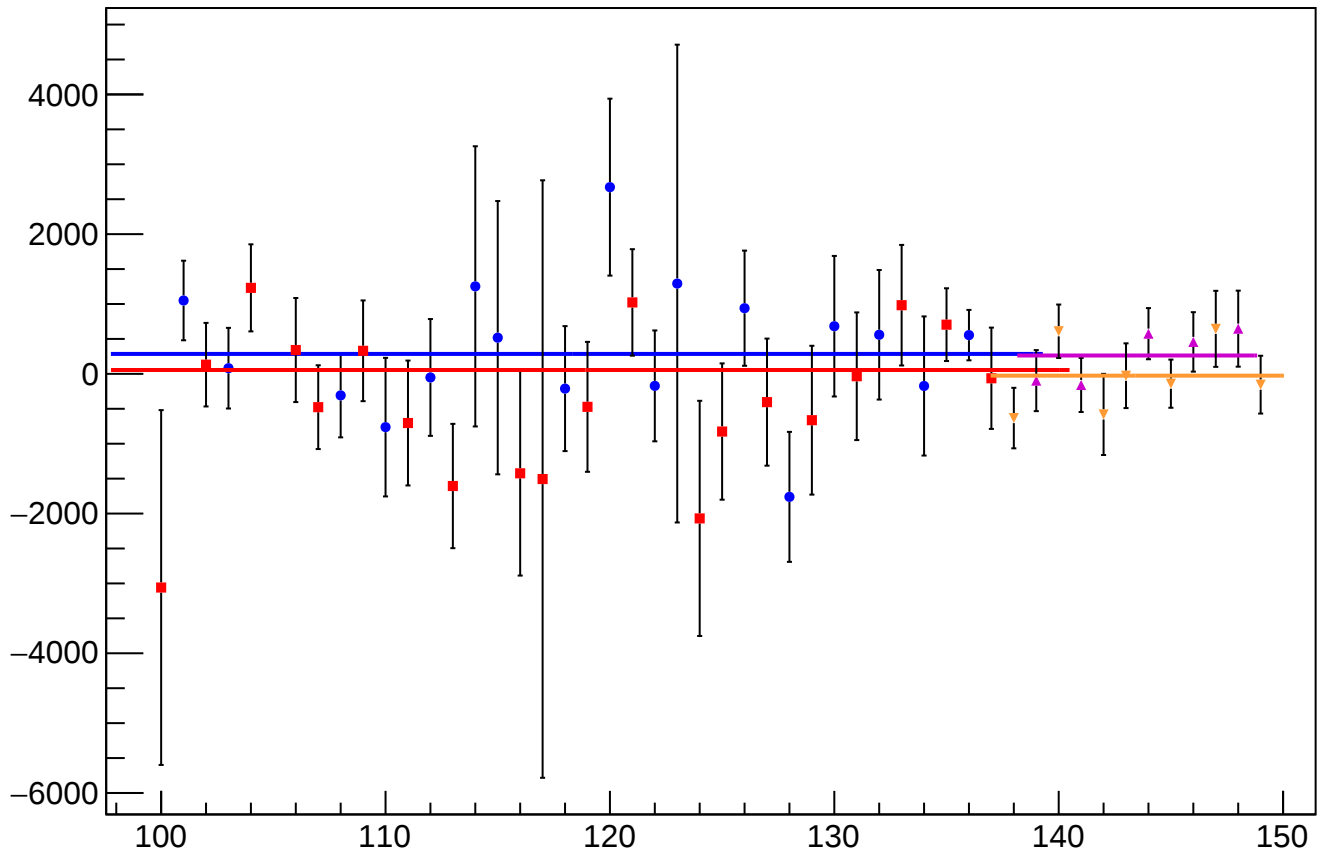
Left In: 368.743 $\pm$ 0.131 χ^2 /NDF:112211.0/4

400.575 $\pm$ 0.086 χ^2 /NDF: 1395691.0/23

410.223 $\pm$ 0.063 χ^2 /NDF: 2646405.3/48

421.273 $\pm$ 0.092 χ^2 /NDF: 1223577.2/24

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: -25.840 $\pm$ 163.474 χ^2 /NDF: 7.4/6

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

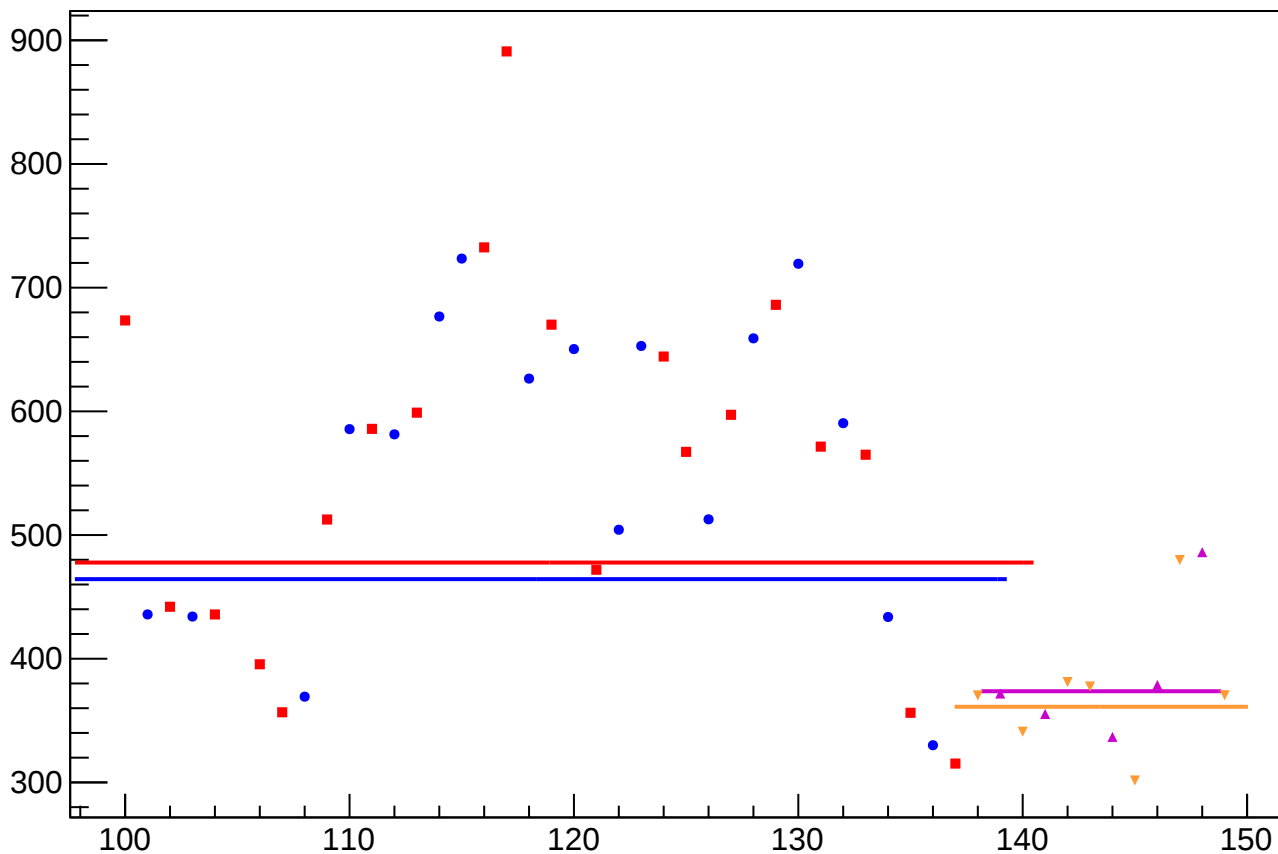
Left In: 262.760 $\pm$ 188.080 χ^2 /NDF: 3.3/4

109.564 $\pm$ 122.865 χ^2 /NDF: 24.1/23

131.490 $\pm$ 89.773 χ^2 /NDF: 47.4/48

156.604 $\pm$ 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: 361.162 $\pm$ 0.116 χ^2 /NDF: 167206.2/6

Right Out: 477.754 $\pm$ 0.130 χ^2 /NDF: 768041.0/19

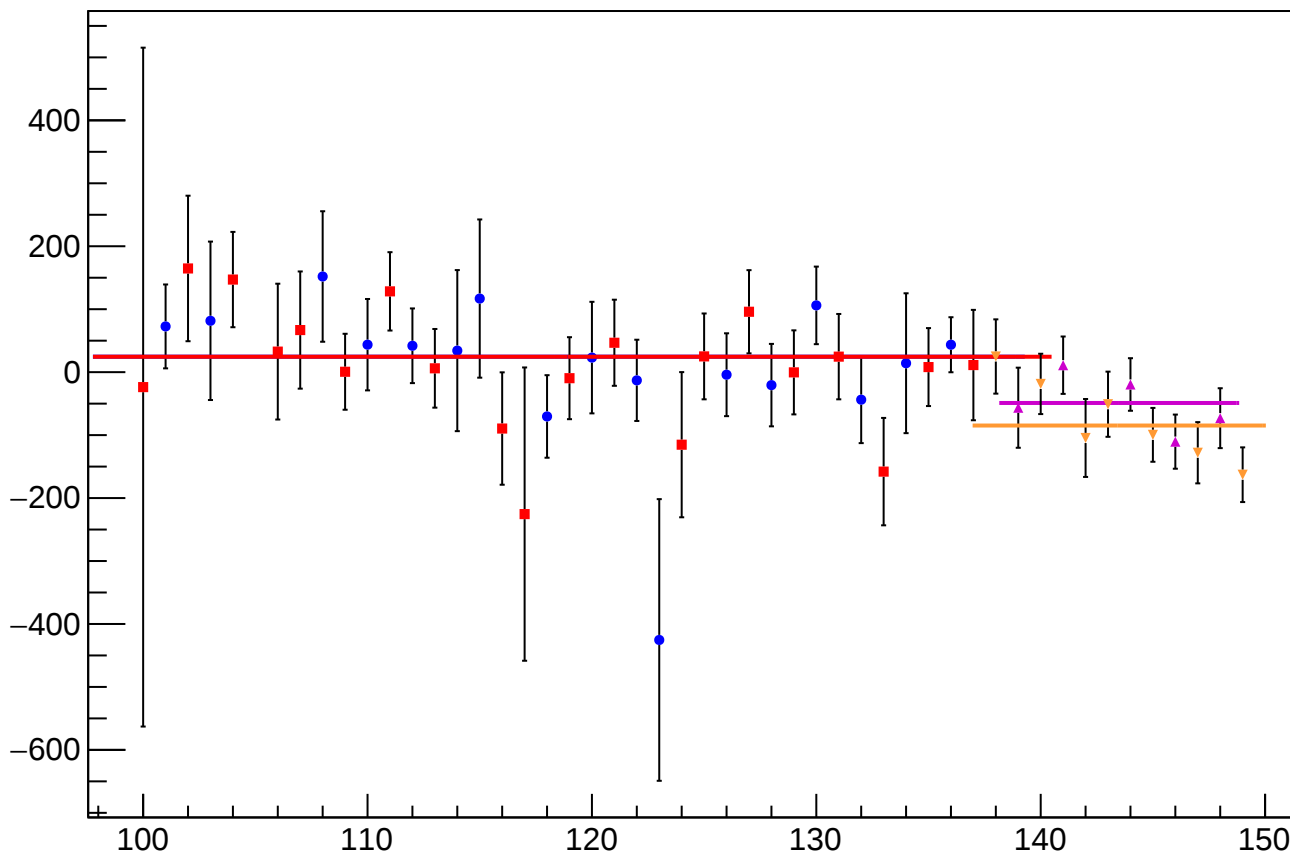
Left In: 373.712 $\pm$ 0.133 χ^2 /NDF: 110521.1/4

406.057 $\pm$ 0.087 χ^2 /NDF: 1359779.3/23

415.773 $\pm$ 0.063 χ^2 /NDF: 2578052.9/48

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+/-17.839 χ^2/NDF : 13.0/16

Left Out: -84.776+/-18.711 χ^2/NDF : 10.0/6

Right Out: 24.491+/-17.338 χ^2/NDF : 18.0/19

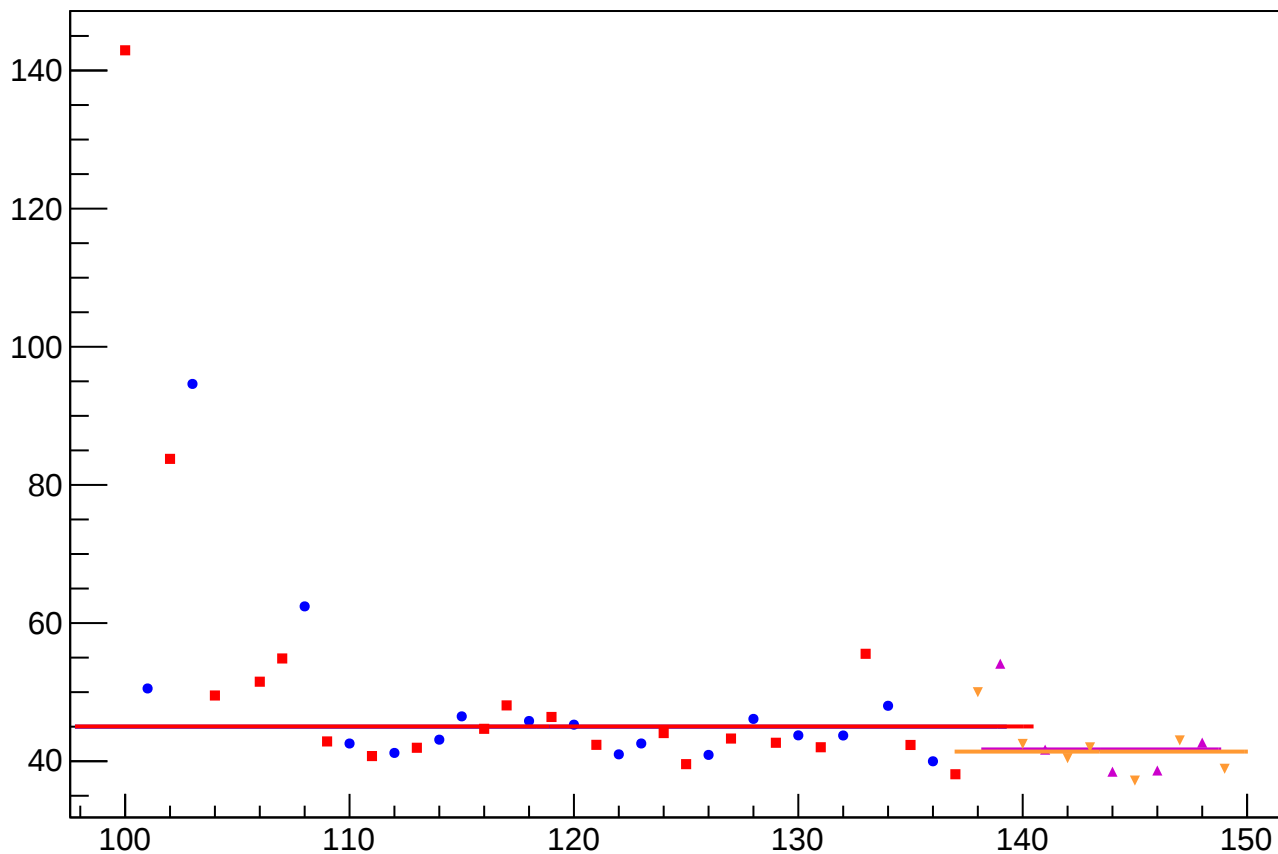
Left In: -48.951+/-20.920 χ^2/NDF : 4.5/4

-27.488+/-12.911 χ^2/NDF : 40.9/23

-16.819+/-9.281 χ^2/NDF : 72.1/48

-5.414+/-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: 41.395 $\pm$ 0.013 χ^2 /NDF: 72310.8/6

Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

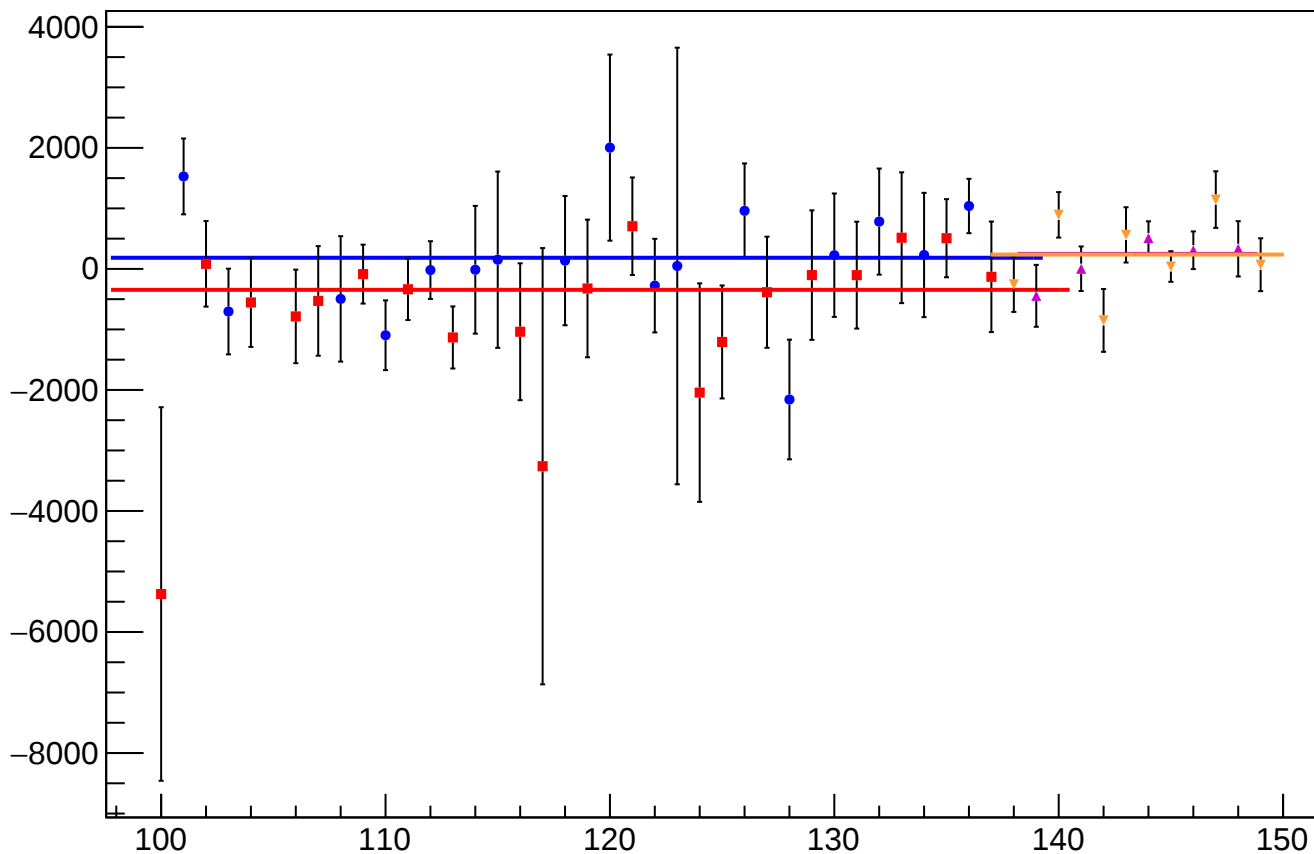
Left In: 41.705 $\pm$ 0.015 χ^2 /NDF: 98959.2/4

43.284 $\pm$ 0.009 χ^2 /NDF: 549578.8/23

43.475 $\pm$ 0.007 χ^2 /NDF: 1095327.3/48

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: 236.987 $\pm$ 147.734 χ^2/NDF : 13.6/6

Right Out: -345.548 $\pm$ 179.160 χ^2/NDF : 13.1/19

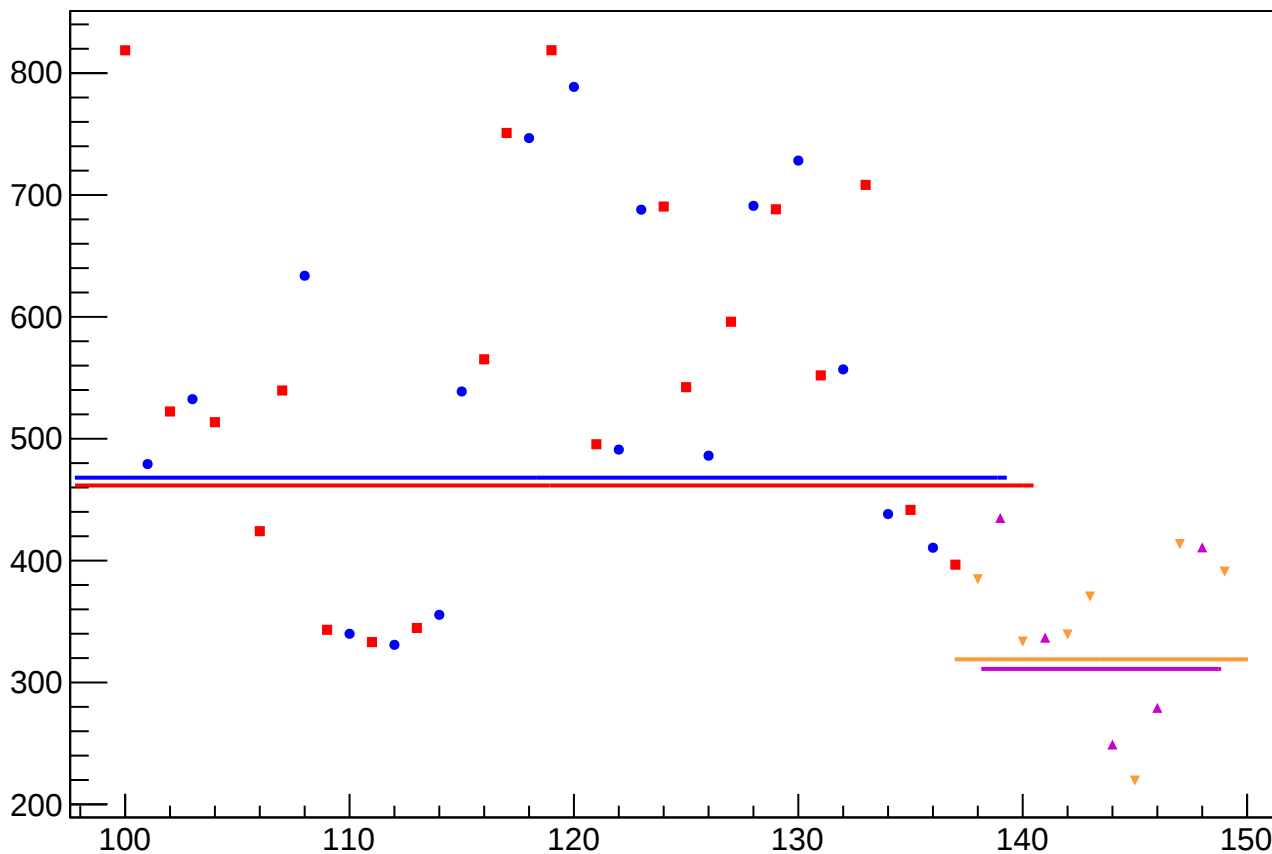
Left In: 247.911 $\pm$ 159.324 χ^2/NDF : 3.2/4

216.903 $\pm$ 116.291 χ^2/NDF : 37.9/23

104.086 $\pm$ 83.191 χ^2/NDF : 62.3/48

-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: 319.002 $\pm$ 0.104 χ^2/NDF : 517989.9/6

Right Out: 461.656 $\pm$ 0.127 χ^2/NDF : 967939.5/19

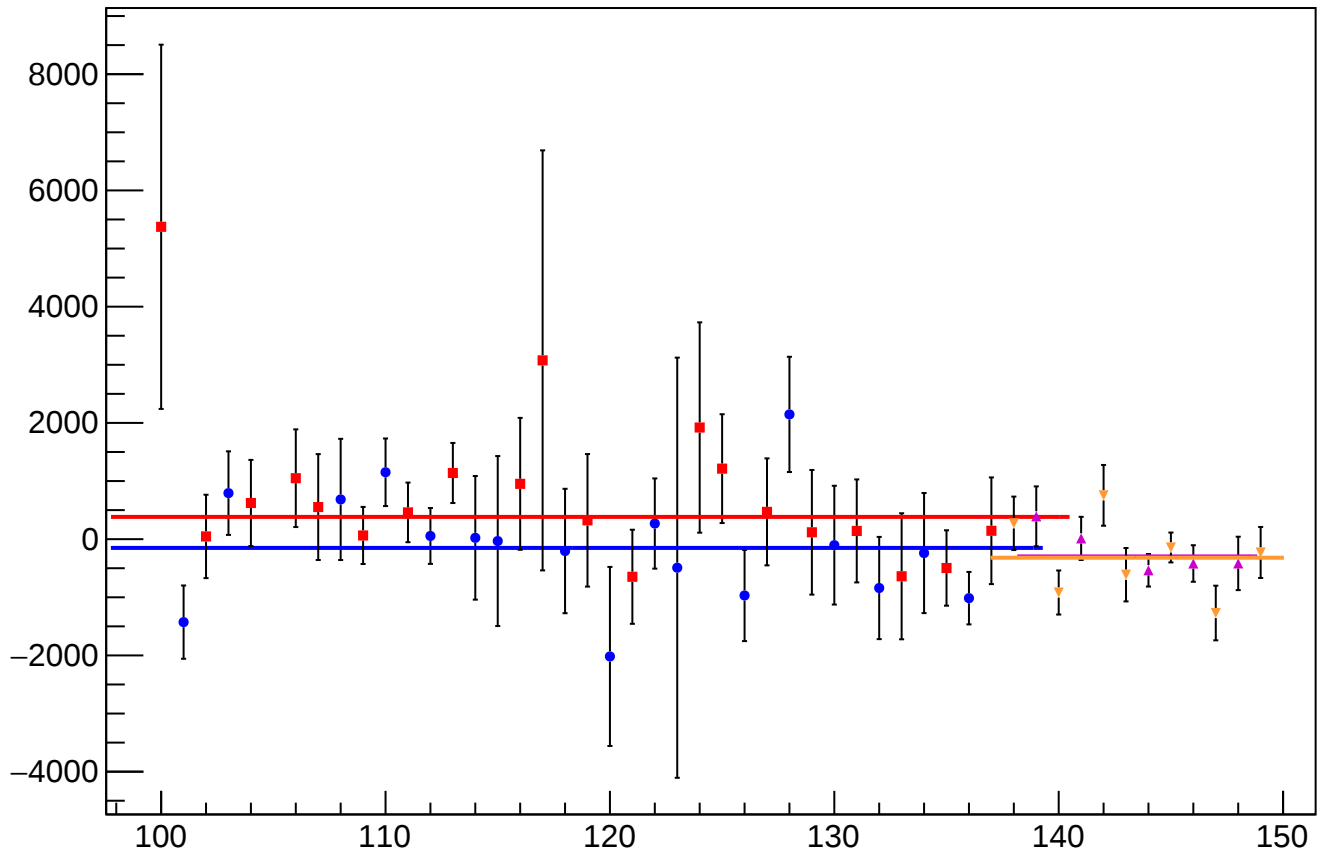
Left In: 311.134 $\pm$ 0.113 χ^2/NDF : 344197.2/4

375.703 $\pm$ 0.082 χ^2/NDF : 2172865.4/23

376.631 $\pm$ 0.059 χ^2/NDF : 4273568.6/48

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: -319.038 ± 149.125 χ^2/NDF : 13.4/6

Right Out: 383.331 ± 181.030 χ^2/NDF : 13.0/19

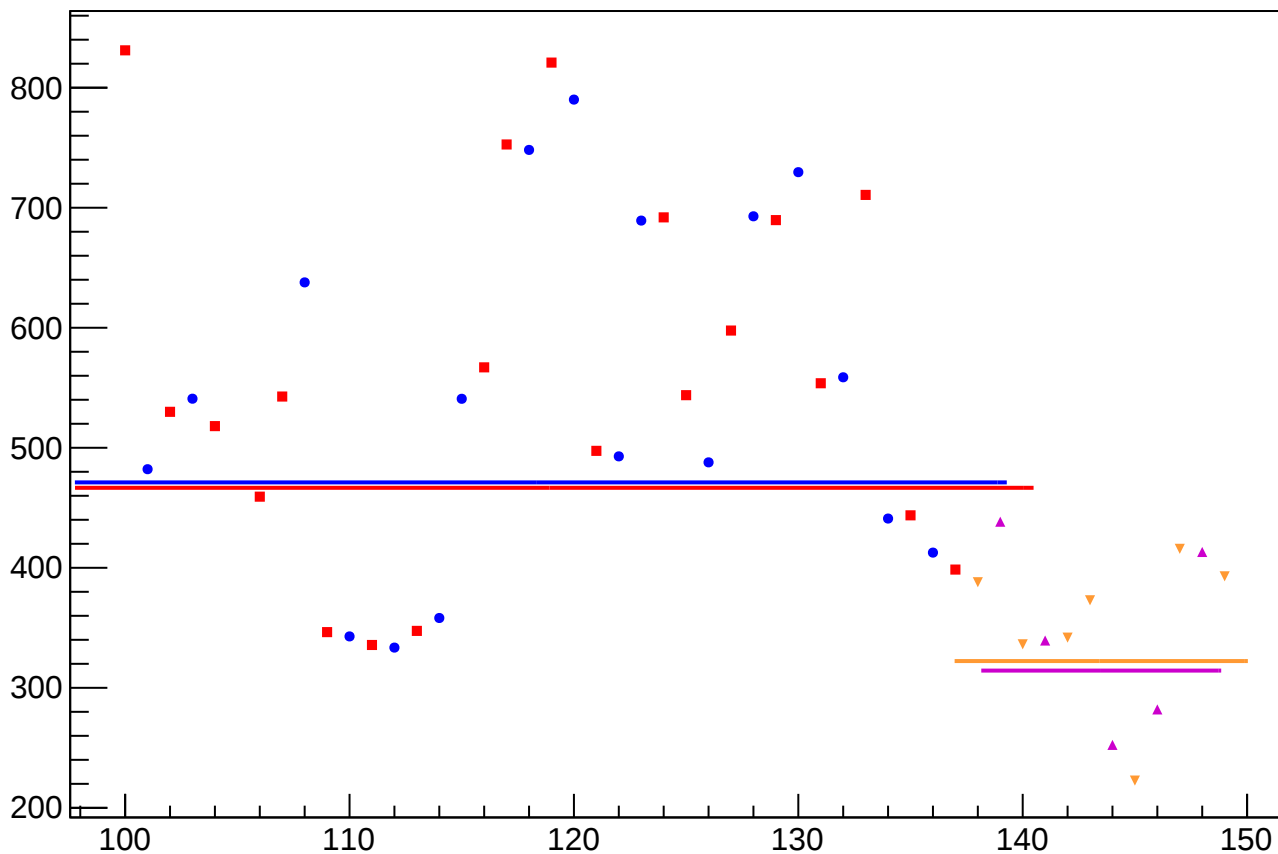
Left In: -296.765 ± 160.863 χ^2/NDF : 3.4/4

-254.604 ± 117.244 χ^2/NDF : 38.1/23

-128.910 ± 83.946 χ^2/NDF : 64.7/48

3.306 ± 120.248 χ^2/NDF : 24.3/24

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156 $\pm$ 0.134 χ^2/NDF : 871832.5/16

Left Out: 322.294 $\pm$ 0.105 χ^2/NDF : 502113.9/6

Right Out: 466.655 $\pm$ 0.128 χ^2/NDF : 953088.6/19

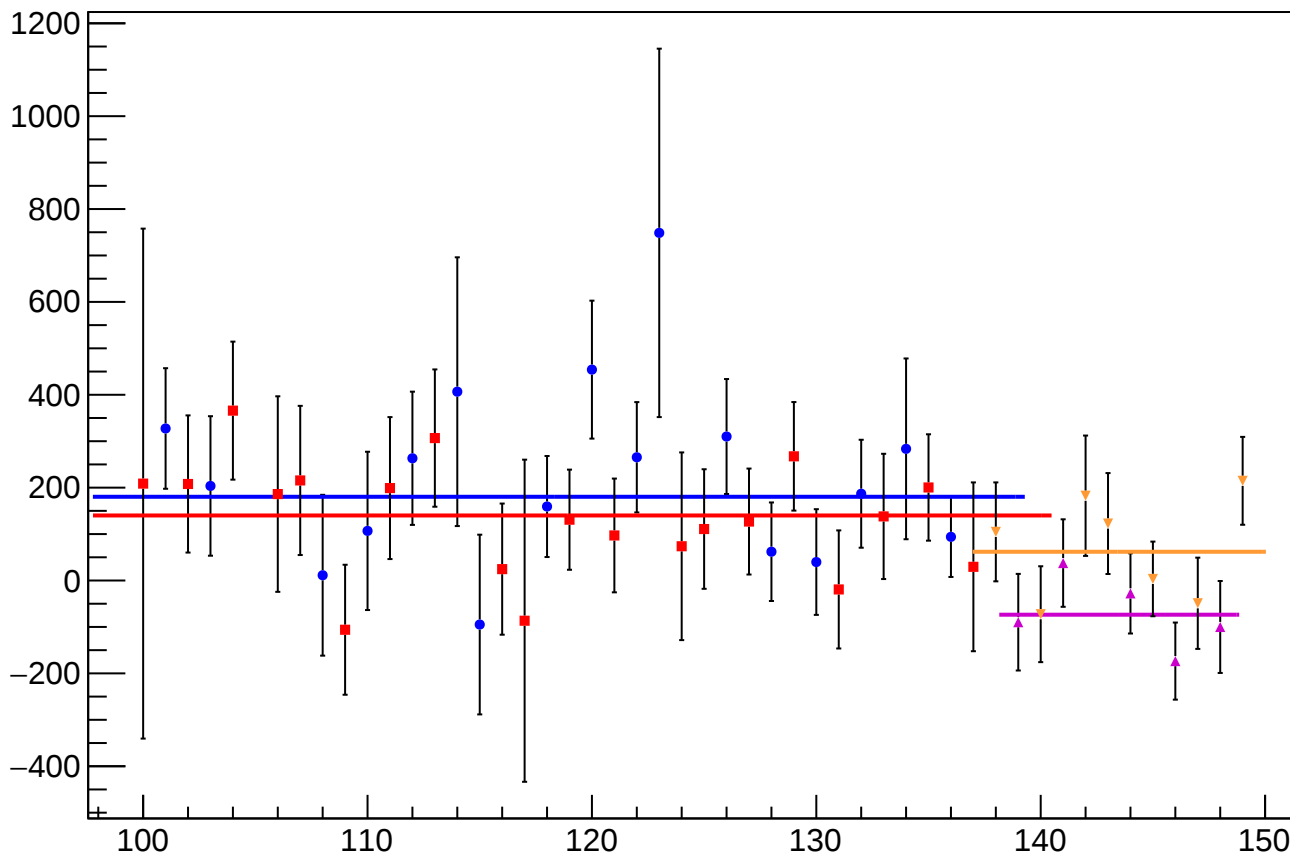
Left In: 314.358 $\pm$ 0.114 χ^2/NDF : 336508.9/4

379.140 $\pm$ 0.083 χ^2/NDF : 2134993.2/23

380.317 $\pm$ 0.059 χ^2/NDF : 4215966.3/48

381.554 $\pm$ 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: 61.913 $\pm$ 37.900 χ^2 /NDF: 7.4/6

Right Out: 140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

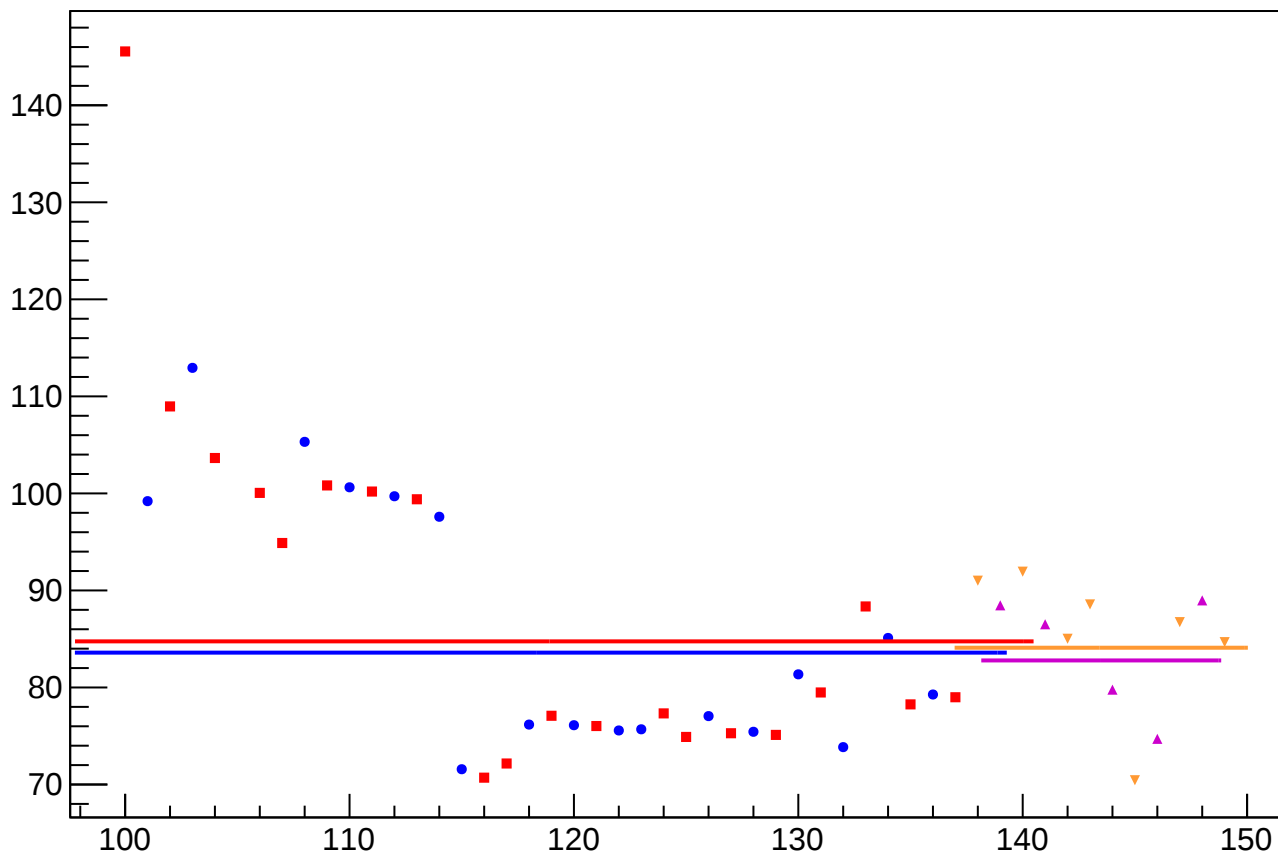
Left In: -73.654 $\pm$ 41.304 χ^2 /NDF: 3.2/4

129.671 $\pm$ 24.788 χ^2 /NDF: 29.6/23

95.328 $\pm$ 17.738 χ^2 /NDF: 65.5/48

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: 84.097 $\pm$ 0.027 χ^2 /NDF: 82675.2/6

Right Out: 84.752 $\pm$ 0.023 χ^2 /NDF: 293262.6/19

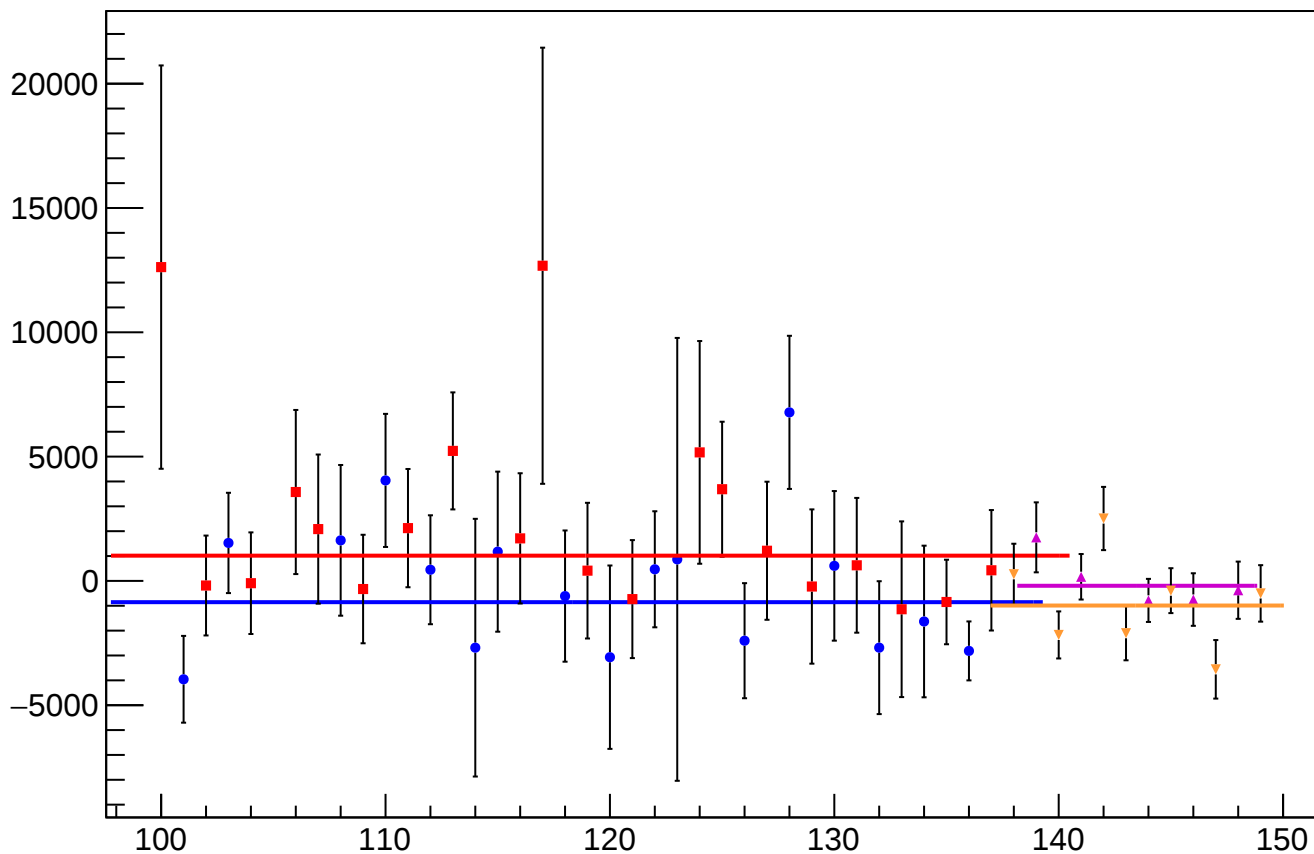
Left In: 82.787 $\pm$ 0.029 χ^2 /NDF: 38272.3/4

83.807 $\pm$ 0.018 χ^2 /NDF: 338801.2/23

83.906 $\pm$ 0.013 χ^2 /NDF: 673215.8/48

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: -990.463 ± 409.512 χ^2/NDF : 16.6/6

Right Out: 1015.523 ± 587.747 χ^2/NDF : 13.3/19

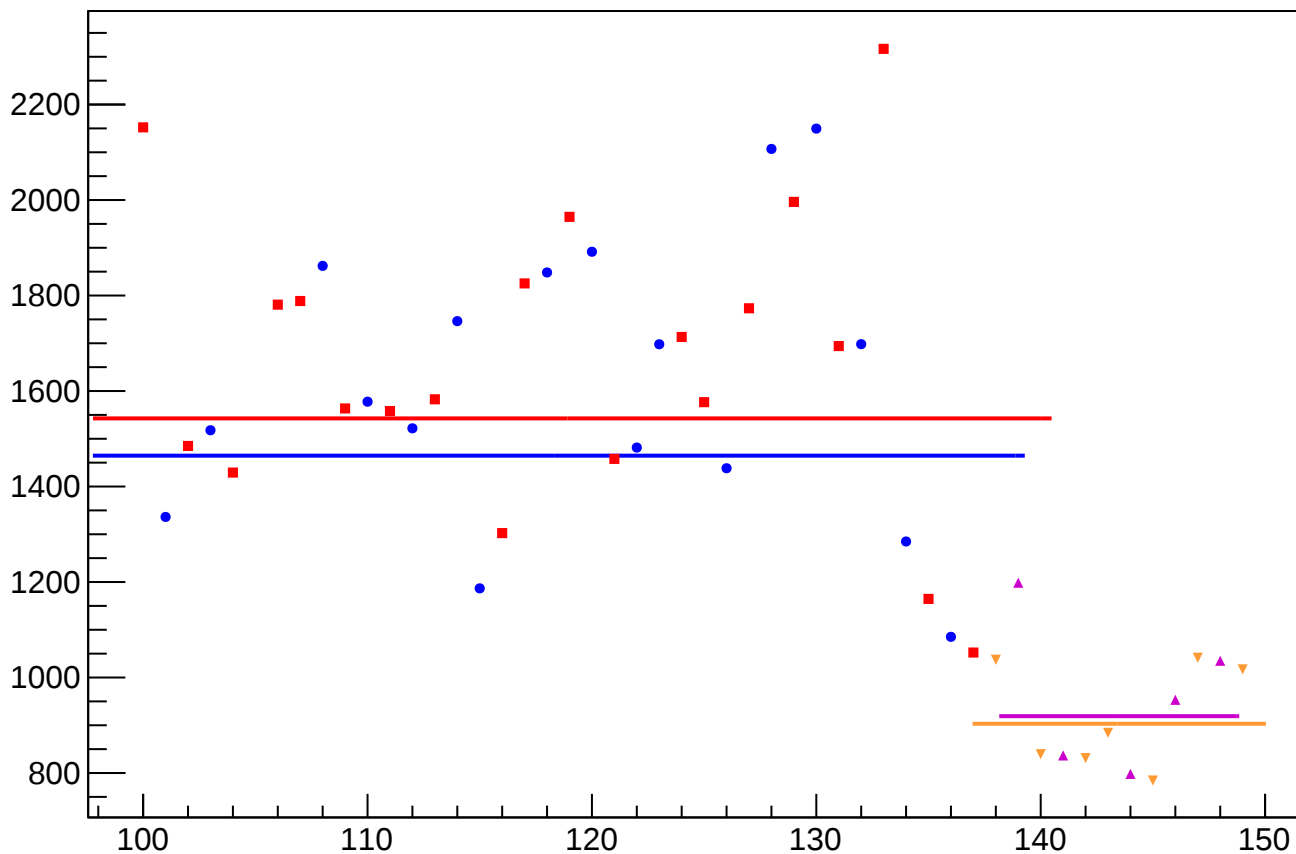
Left In: -195.855 ± 462.292 χ^2/NDF : 2.8/4

-945.840 ± 335.159 χ^2/NDF : 36.9/23

-388.244 ± 246.361 χ^2/NDF : 61.7/48

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: 903.102 $\pm$ 0.290 χ^2 /NDF: 122227.0/6

Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

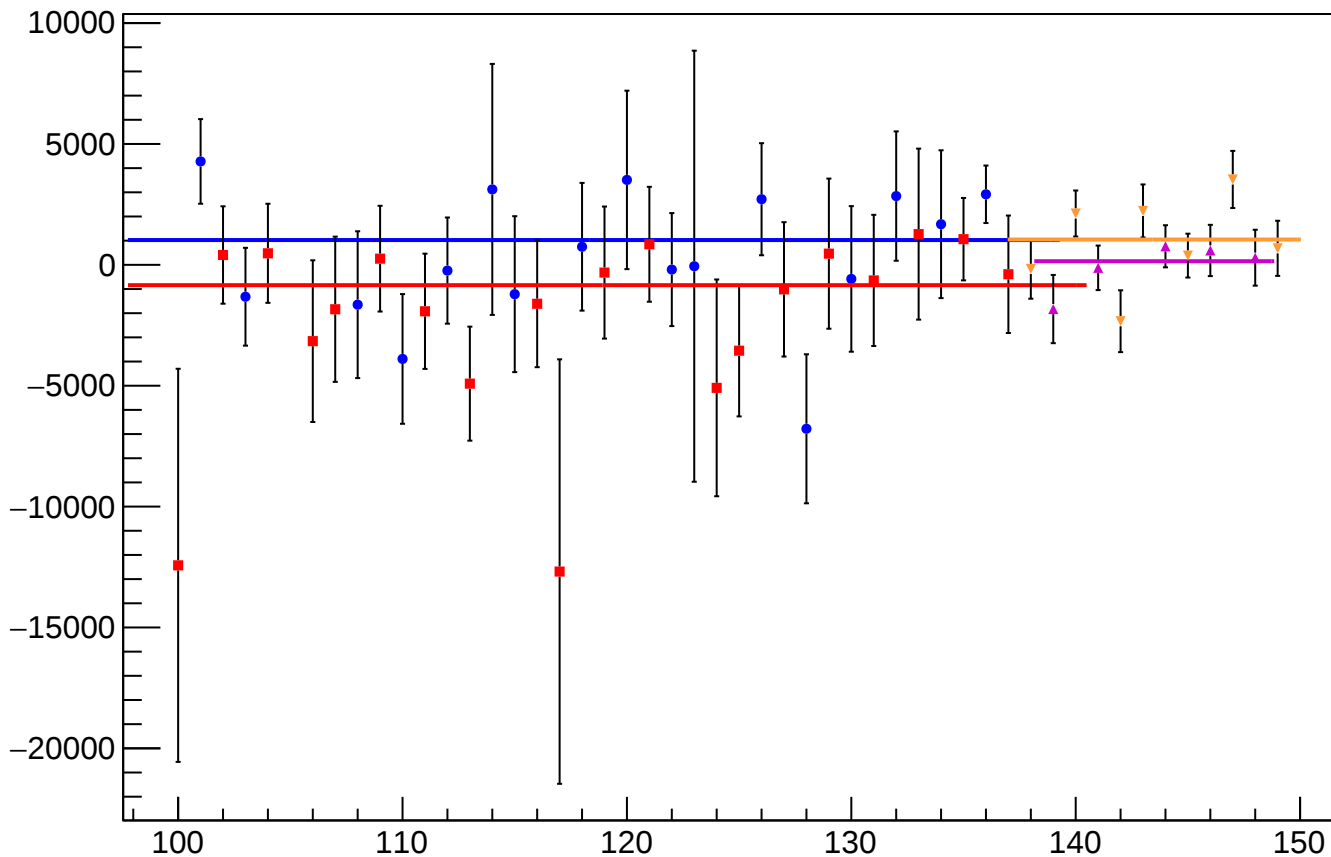
Left In: 919.091 $\pm$ 0.327 χ^2 /NDF: 156354.3/4

1088.501 $\pm$ 0.237 χ^2 /NDF: 1924688.1/23

1120.184 $\pm$ 0.174 χ^2 /NDF: 3966525.8/48

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: 1046.655 $\pm$ 411.407 χ^2 /NDF: 15.5/6

Right Out: -840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

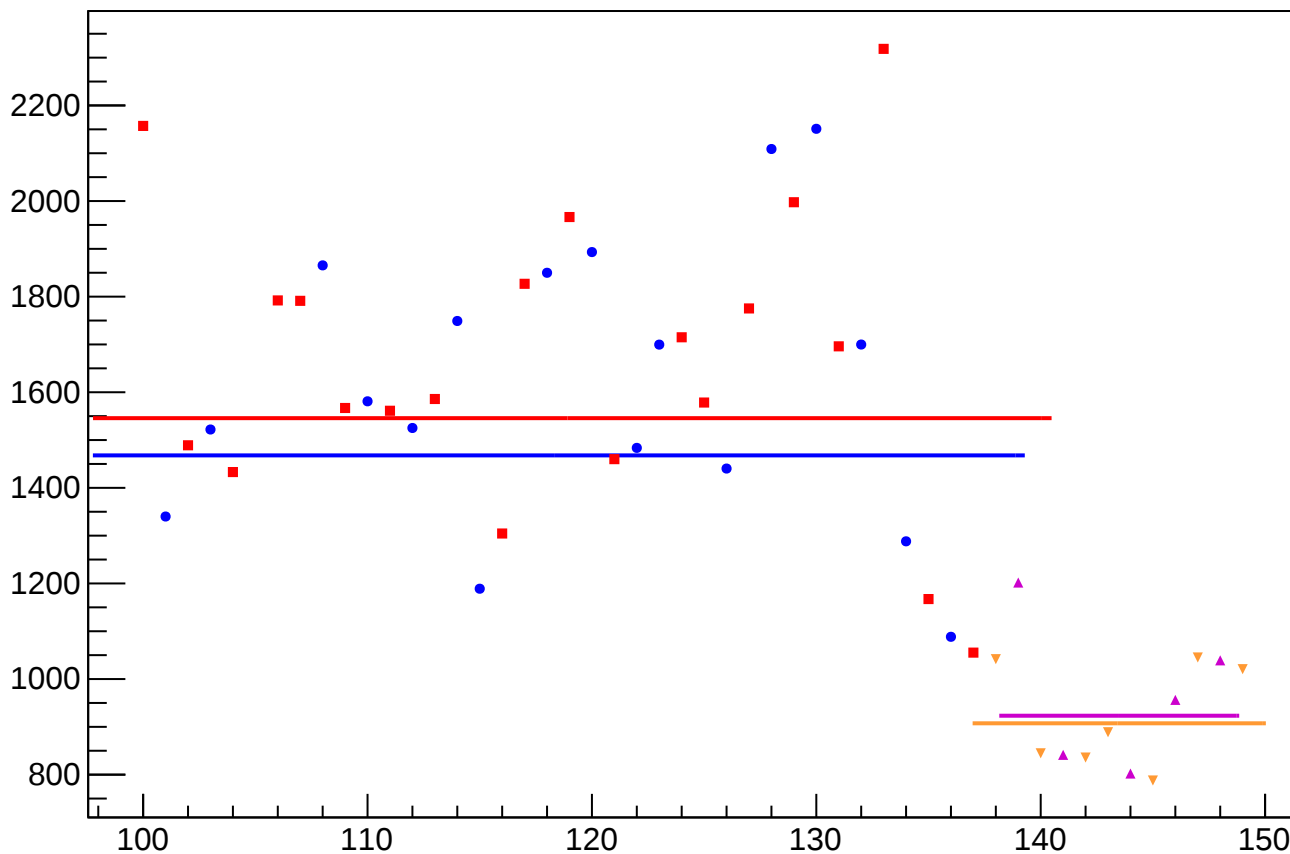
Left In: 150.343 $\pm$ 464.321 χ^2 /NDF: 2.7/4

1039.656 $\pm$ 336.426 χ^2 /NDF: 36.4/23

456.143 $\pm$ 247.267 χ^2 /NDF: 60.5/48

-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: 907.411 $\pm$ 0.291 χ^2/NDF : 120954.9/6

Right Out: 1545.785 $\pm$ 0.417 χ^2/NDF : 453865.6/19

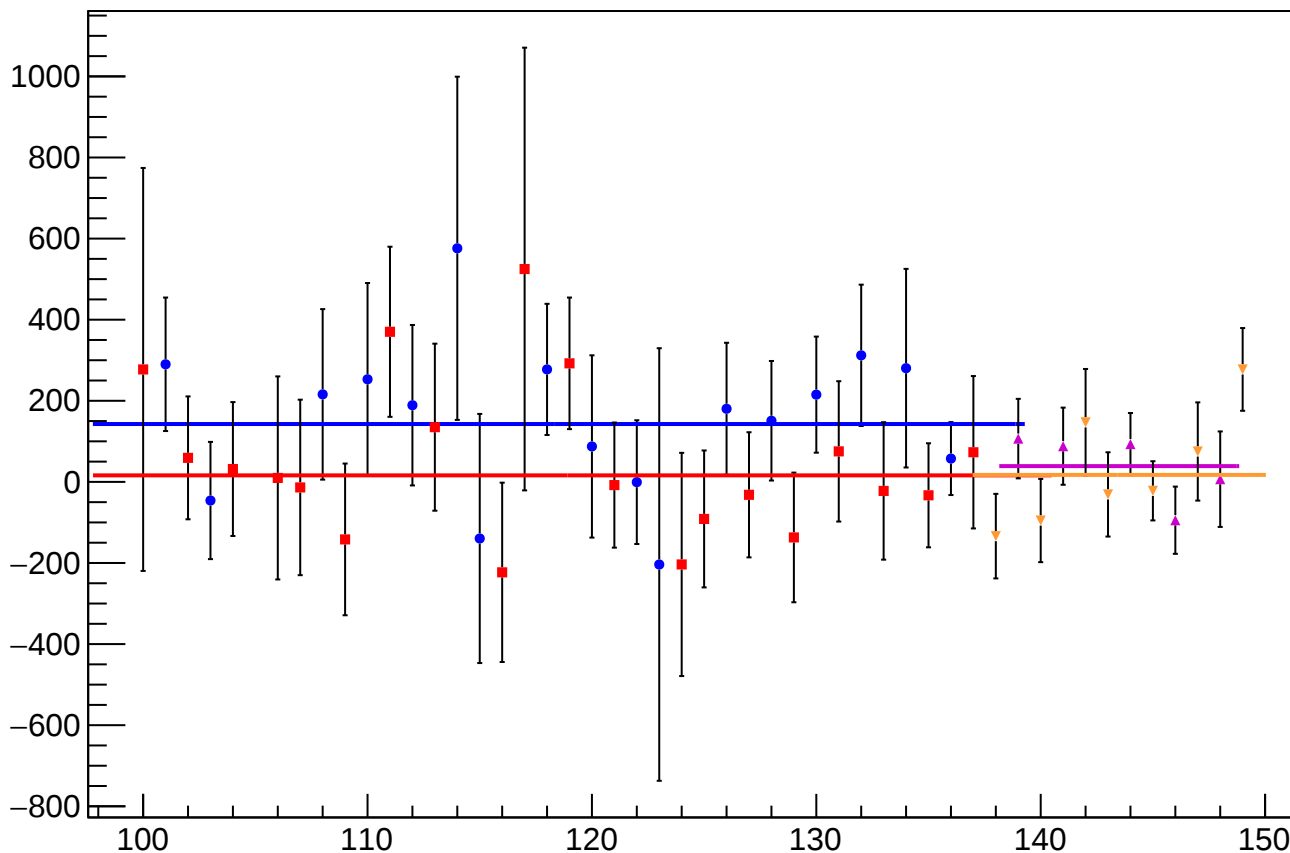
Left In: 923.284 $\pm$ 0.328 χ^2/NDF : 154364.3/4

1093.098 $\pm$ 0.238 χ^2/NDF : 1908232.8/23

1124.705 $\pm$ 0.175 χ^2/NDF : 3932456.9/48

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: 17.229 $\pm$ 38.090 χ^2 /NDF:11.5/6

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

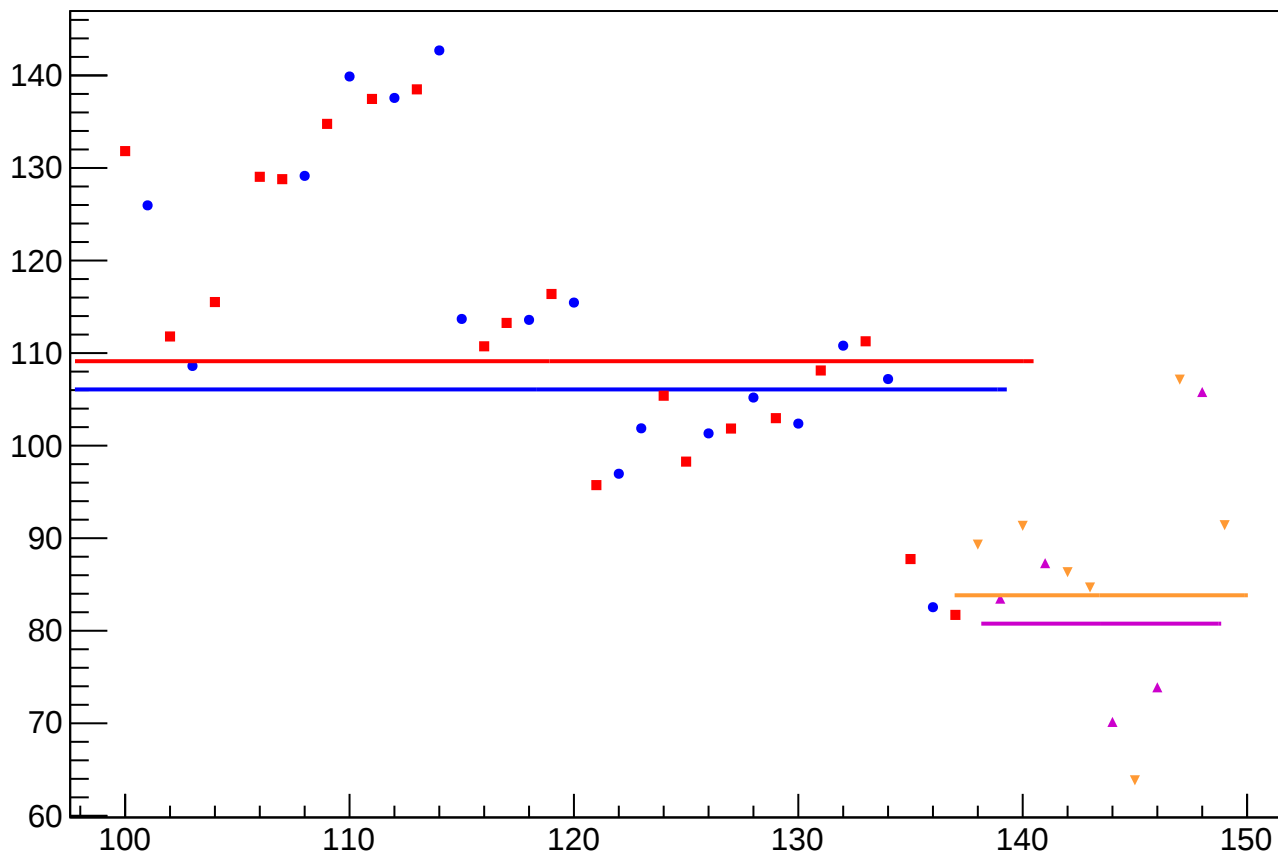
Left In: 38.898 $\pm$ 40.738 χ^2 /NDF:3.9/4

74.404 $\pm$ 28.101 χ^2 /NDF: 25.8/23

51.759 $\pm$ 20.179 χ^2 /NDF: 42.9/48

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 ± 0.029 χ^2/NDF : 317907.9/16

Left Out: 83.833 ± 0.027 χ^2/NDF : 252182.1/6

Right Out: 109.124 ± 0.029 χ^2/NDF : 285510.2/19

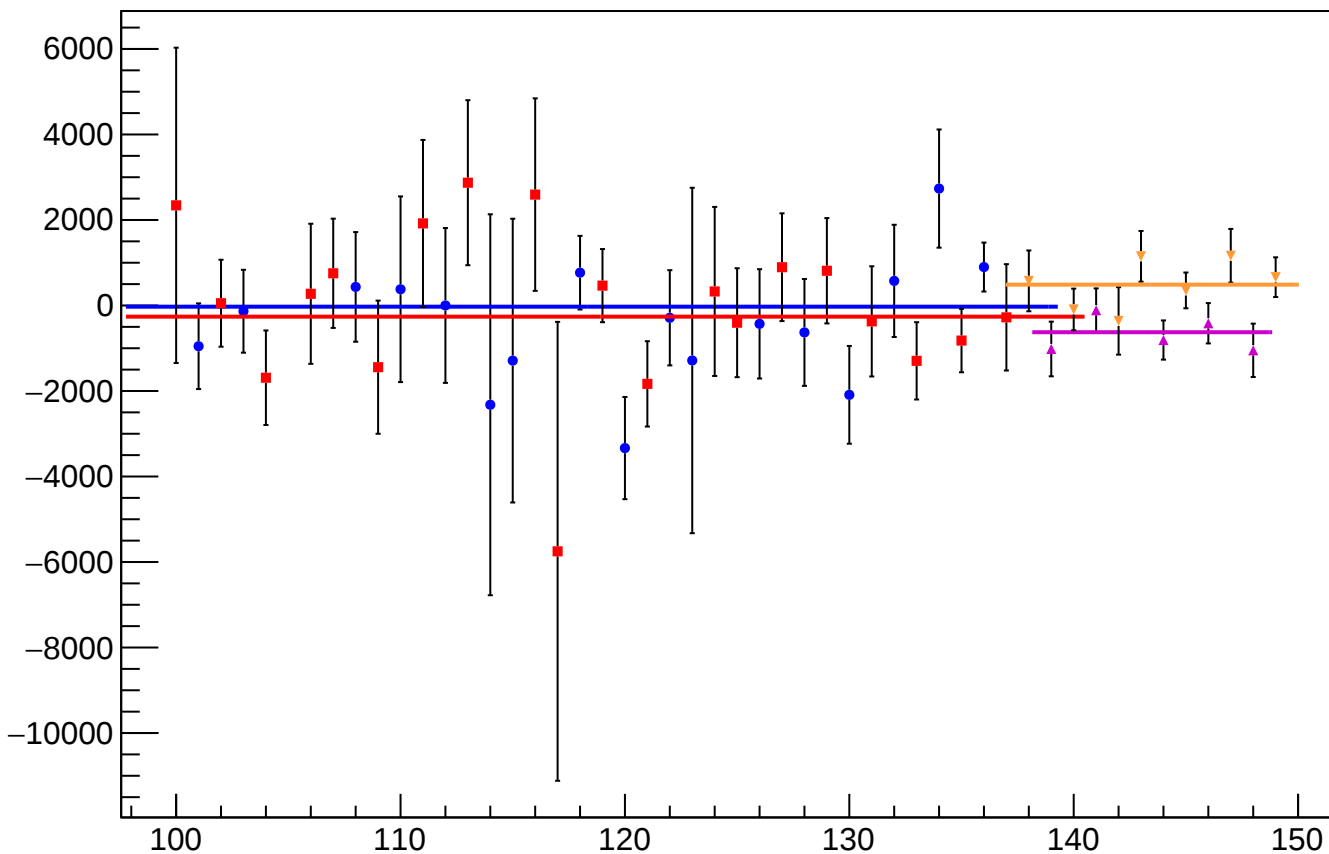
Left In: 80.767 ± 0.029 χ^2/NDF : 153507.7/4

93.969 ± 0.020 χ^2/NDF : 880855.1/23

94.352 ± 0.014 χ^2/NDF : 1798794.8/48

94.759 ± 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: 487.500 $\pm$ 206.169 χ^2/NDF : 5.2/6

Right Out: -261.265 $\pm$ 279.073 χ^2/NDF : 16.9/19

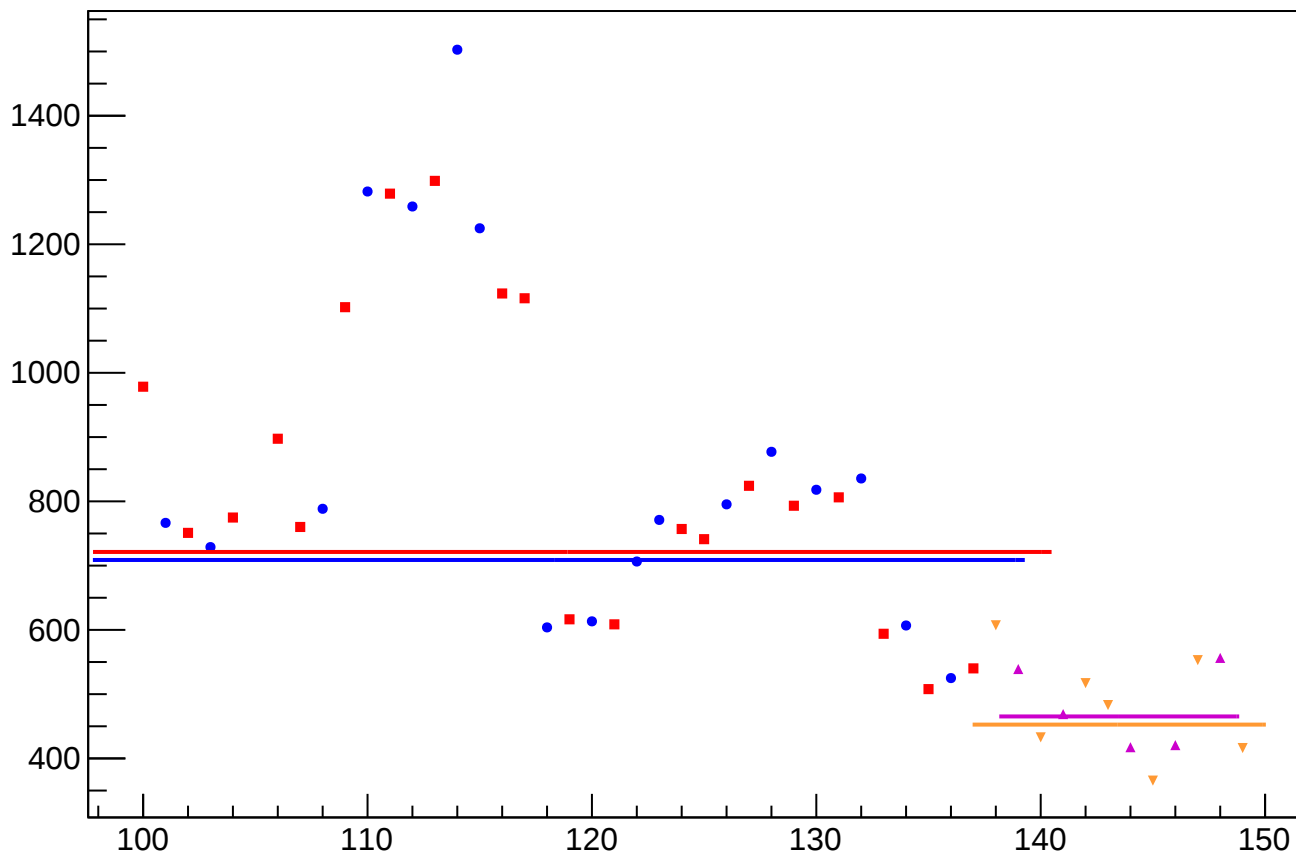
Left In: -625.334 $\pm$ 235.084 χ^2/NDF : 2.2/4

309.389 $\pm$ 166.789 χ^2/NDF : 27.9/23

-53.052 $\pm$ 122.277 χ^2/NDF : 58.2/48

-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 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 452.621 $\pm$ 0.146 χ^2 /NDF: 266437.3/6

Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

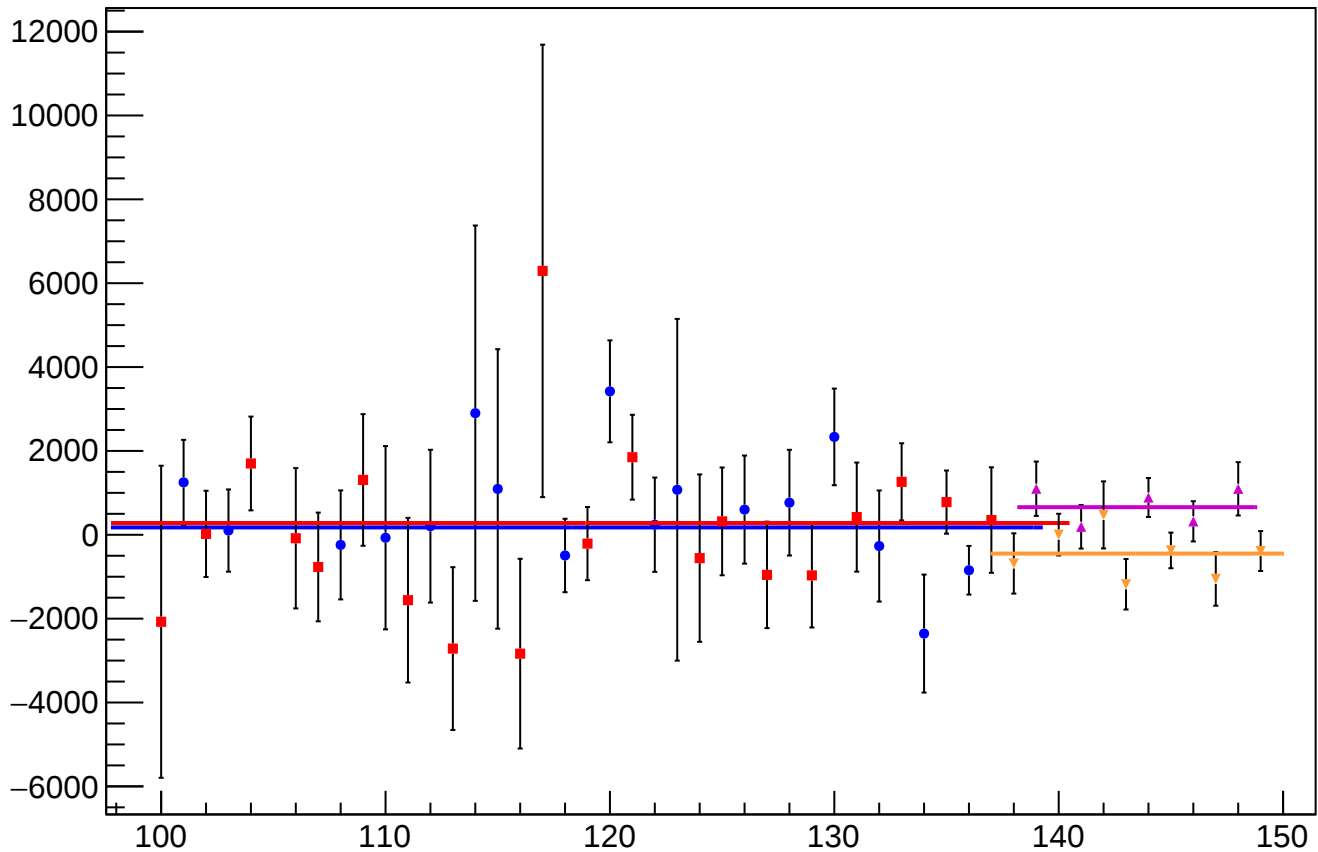
Left In: 465.323 $\pm$ 0.166 χ^2 /NDF: 109019.9/4

541.134 $\pm$ 0.118 χ^2 /NDF: 2126833.0/23

555.206 $\pm$ 0.086 χ^2 /NDF: 4161437.3/48

571.558 $\pm$ 0.127 χ^2 /NDF: 2003822.8/24

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854+/-287.218 χ^2/NDF : 19.7/16

Left Out: -448.117+/-209.934 χ^2/NDF : 4.7/6

Right Out: 281.173+/-282.685 χ^2/NDF : 16.1/19

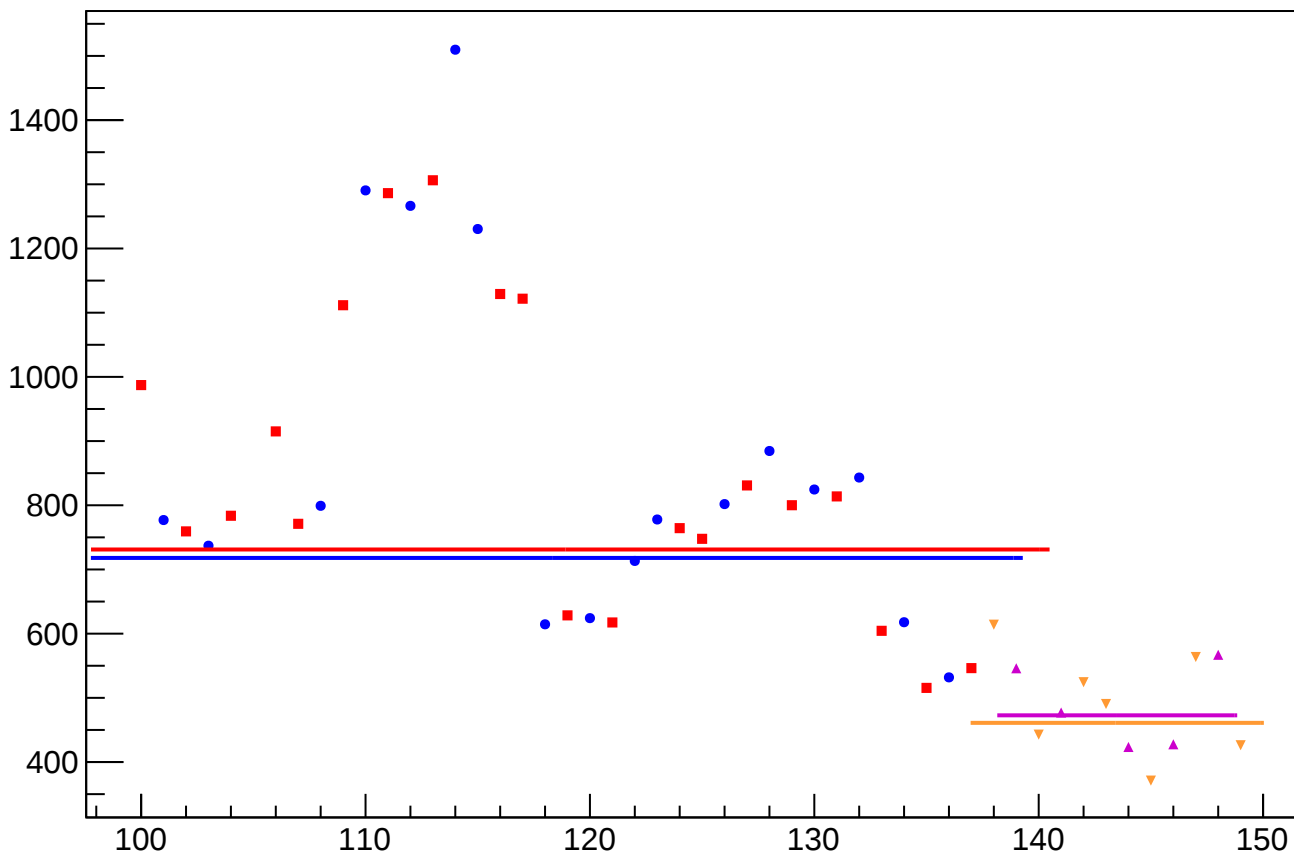
Left In: 658.450+/-238.799 χ^2/NDF : 2.5/4

-230.842+/-169.486 χ^2/NDF : 27.5/23

108.370+/-124.166 χ^2/NDF : 55.7/48

501.338+/-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: 461.049 $\pm$ 0.148 χ^2 /NDF: 262306.5/6

Right Out: 731.116 $\pm$ 0.200 χ^2 /NDF: 892357.6/19

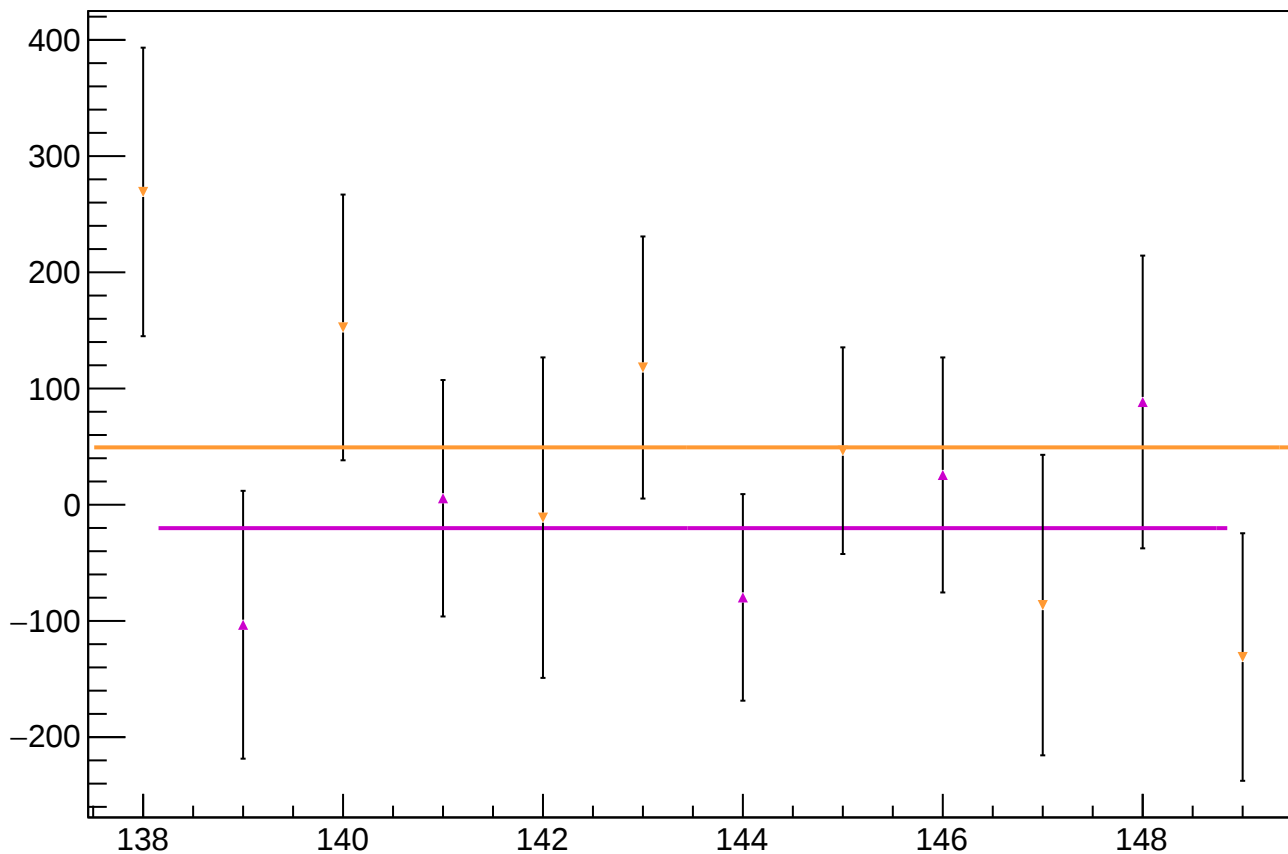
Left In: 472.774 $\pm$ 0.169 χ^2 /NDF: 109985.8/4

550.513 $\pm$ 0.120 χ^2 /NDF: 2083977.9/23

564.339 $\pm$ 0.088 χ^2 /NDF: 4089819.8/48

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: 49.358+/-42.755 χ^2/NDF : 8.5/6

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

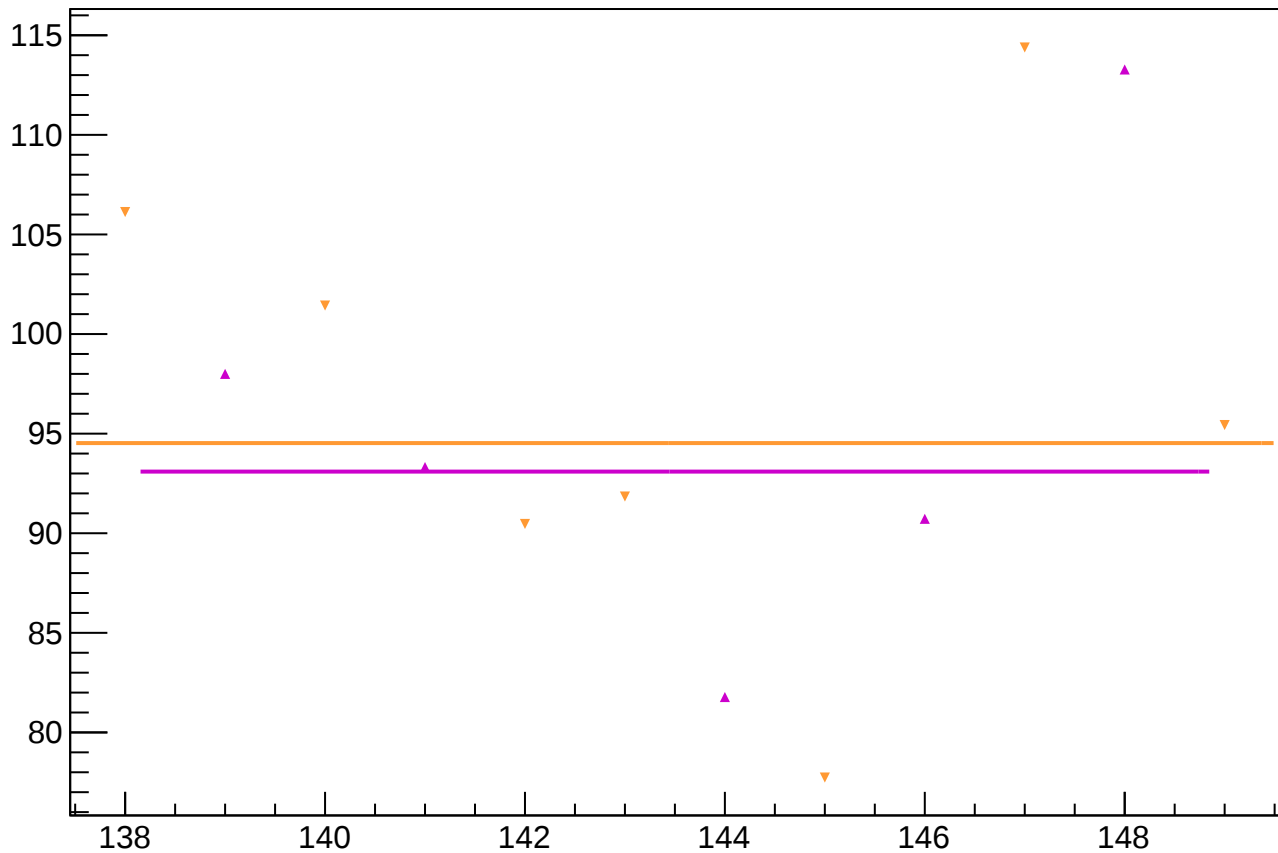
Left In: -20.146+/-46.661 χ^2/NDF : 2.0/4

49.358+/-42.755 χ^2/NDF : 8.5/6

17.637+/-31.523 χ^2/NDF : 11.7/11

-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: 94.527+/-0.030 χ^2/NDF : 146265.2/6

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

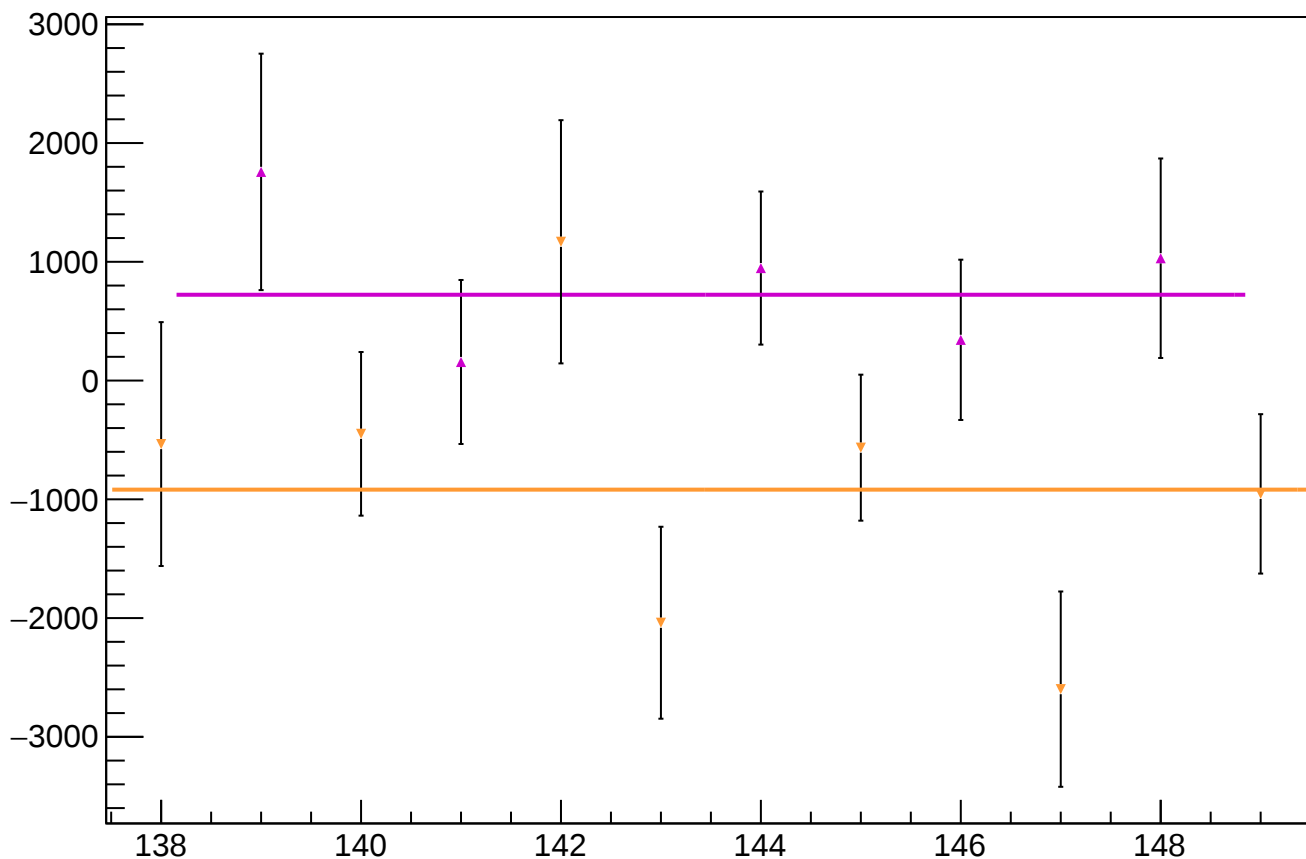
Left In: 93.095+/-0.033 χ^2/NDF : 88529.8/4

94.527+/-0.030 χ^2/NDF : 146265.2/6

93.873+/-0.022 χ^2/NDF : 235818.6/11

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: -918.461+/-290.057 χ^2/NDF : 11.2/6

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

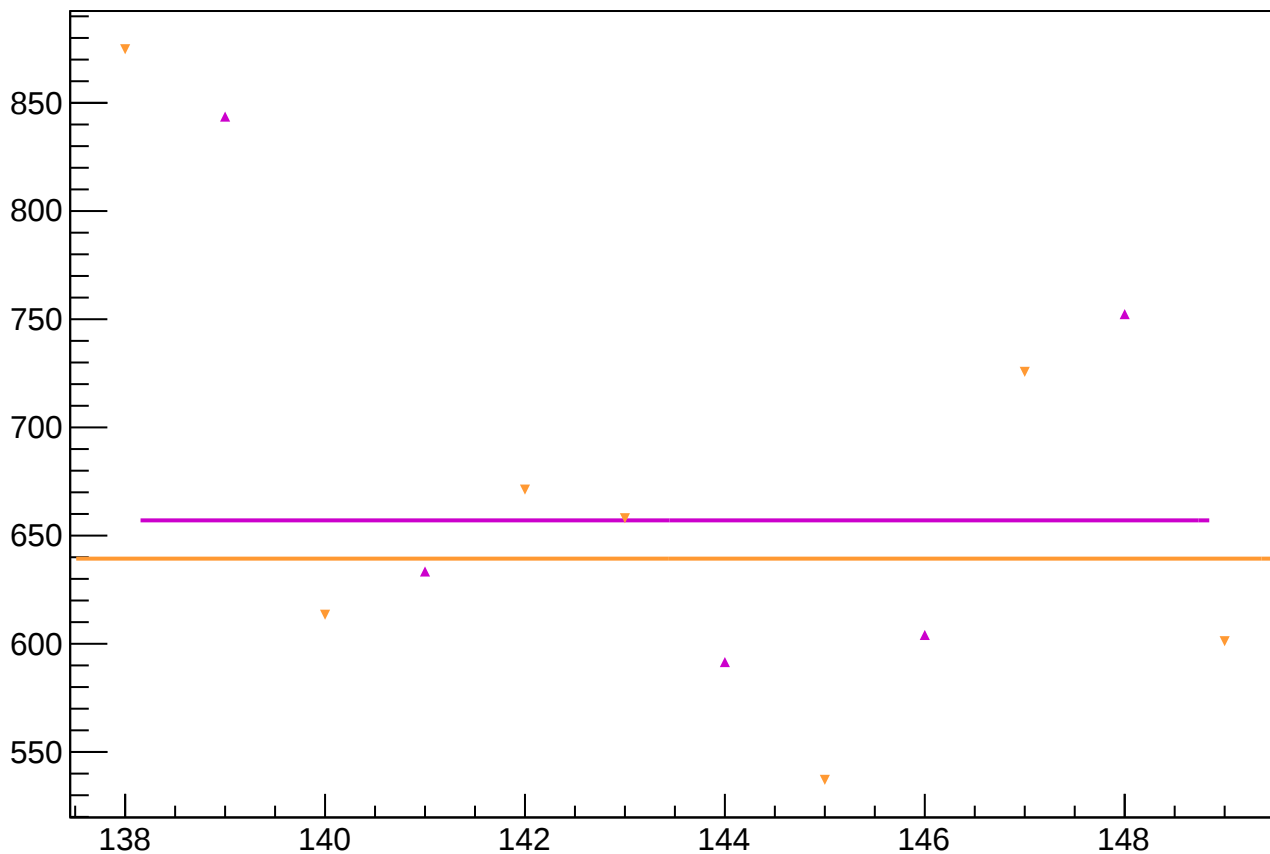
Left In: 722.584+/-331.004 χ^2/NDF : 2.3/4

-918.461+/-290.057 χ^2/NDF : 11.2/6

-205.666+/-218.150 χ^2/NDF : 27.4/11

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: 639.354+/-0.205 χ^2/NDF : 194826.1/6

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

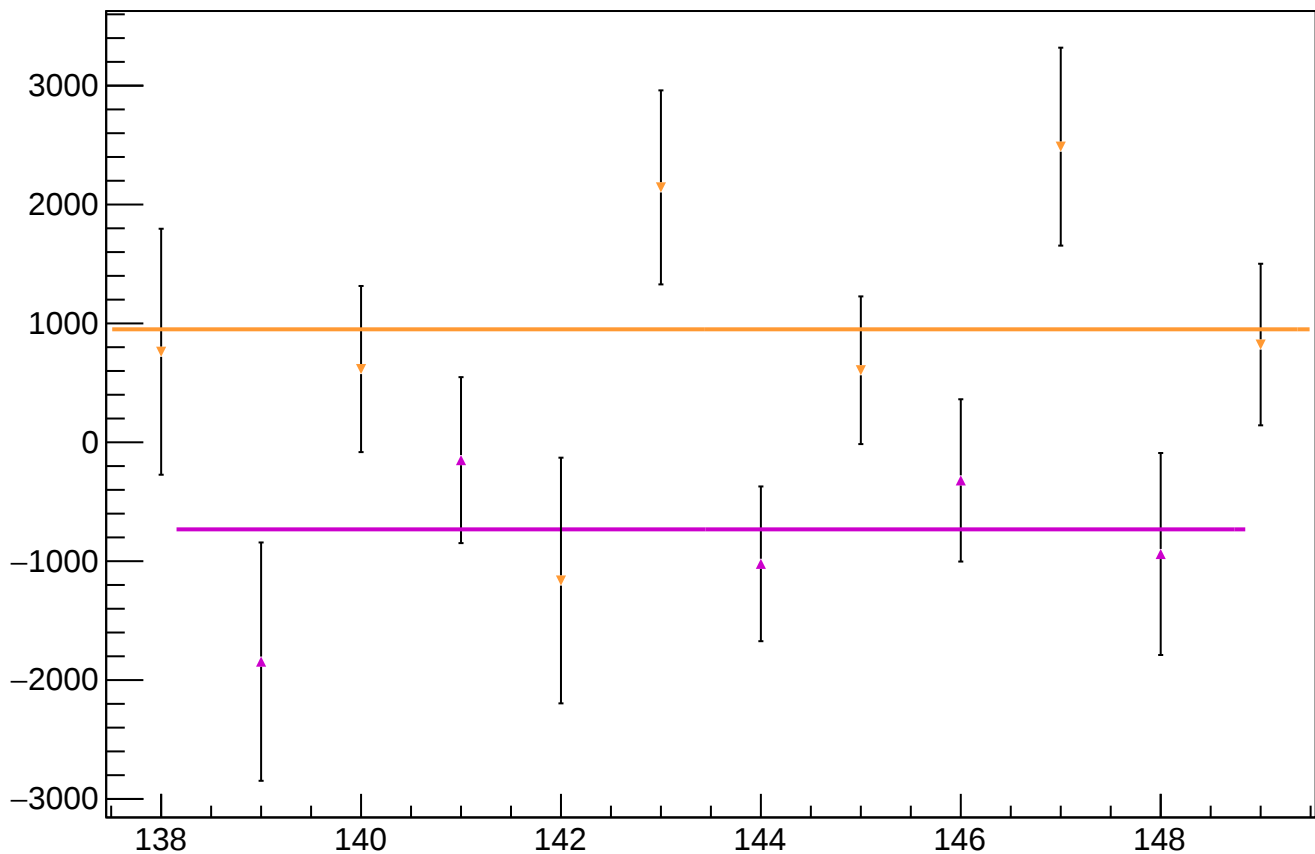
Left In: 657.039+/-0.234 χ^2/NDF : 131357.1/4

639.354+/-0.205 χ^2/NDF : 194826.1/6

647.036+/-0.154 χ^2/NDF : 329412.6/11

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: 950.409 +/- 293.339 χ^2/NDF : 10.3/6

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

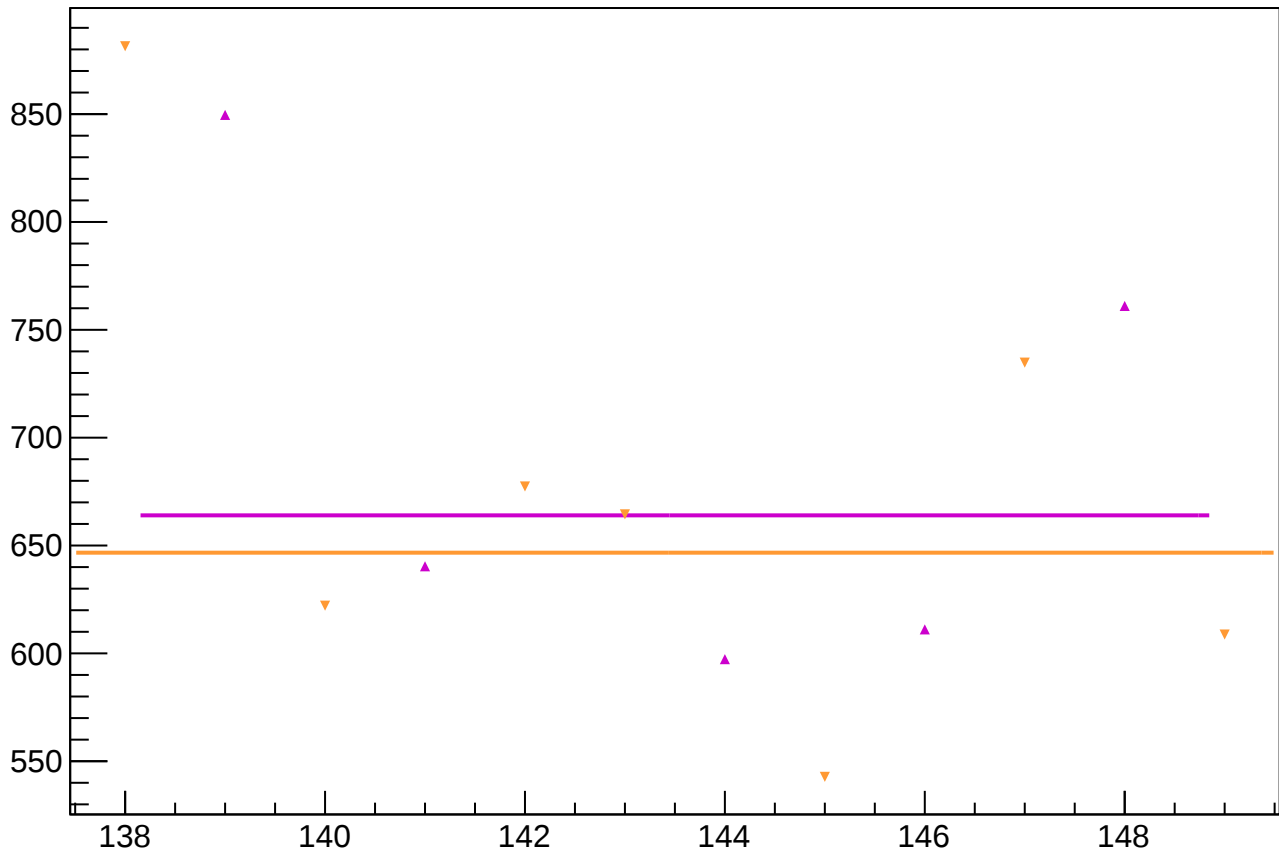
Left In: -732.287 +/- 334.442 χ^2/NDF : 2.5/4

950.409 +/- 293.339 χ^2/NDF : 10.3/6

218.763 +/- 220.530 χ^2/NDF : 27.2/11

-732.287 +/- 334.442 χ^2/NDF : 2.5/4

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 646.683+/-0.207 χ^2/NDF : 192825.5/6

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

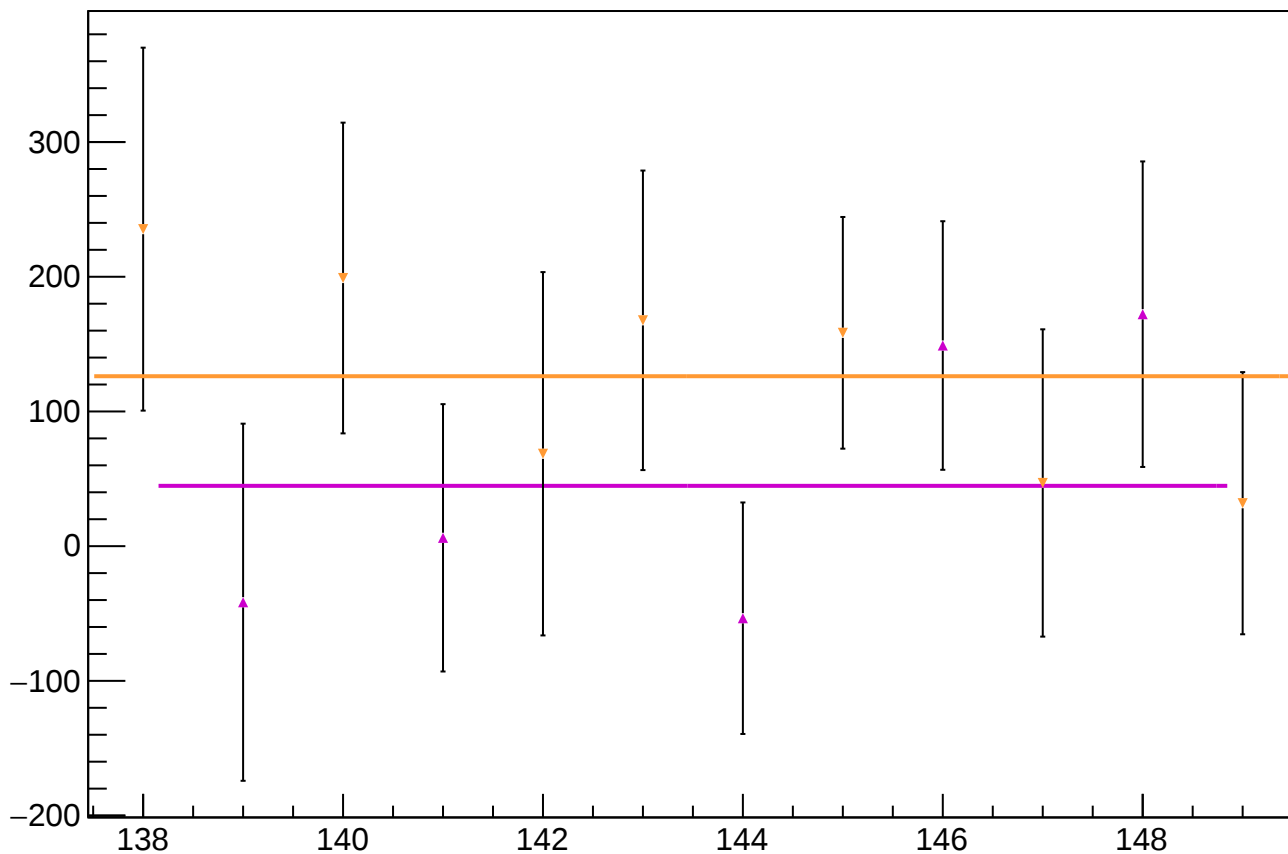
Left In: 663.986+/-0.236 χ^2/NDF : 130004.6/4

646.683+/-0.207 χ^2/NDF : 192825.5/6

654.206+/-0.156 χ^2/NDF : 325855.8/11

663.986+/-0.236 χ^2/NDF : 130004.6/4

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 126.159+/-41.388 χ^2/NDF : 2.9/6

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

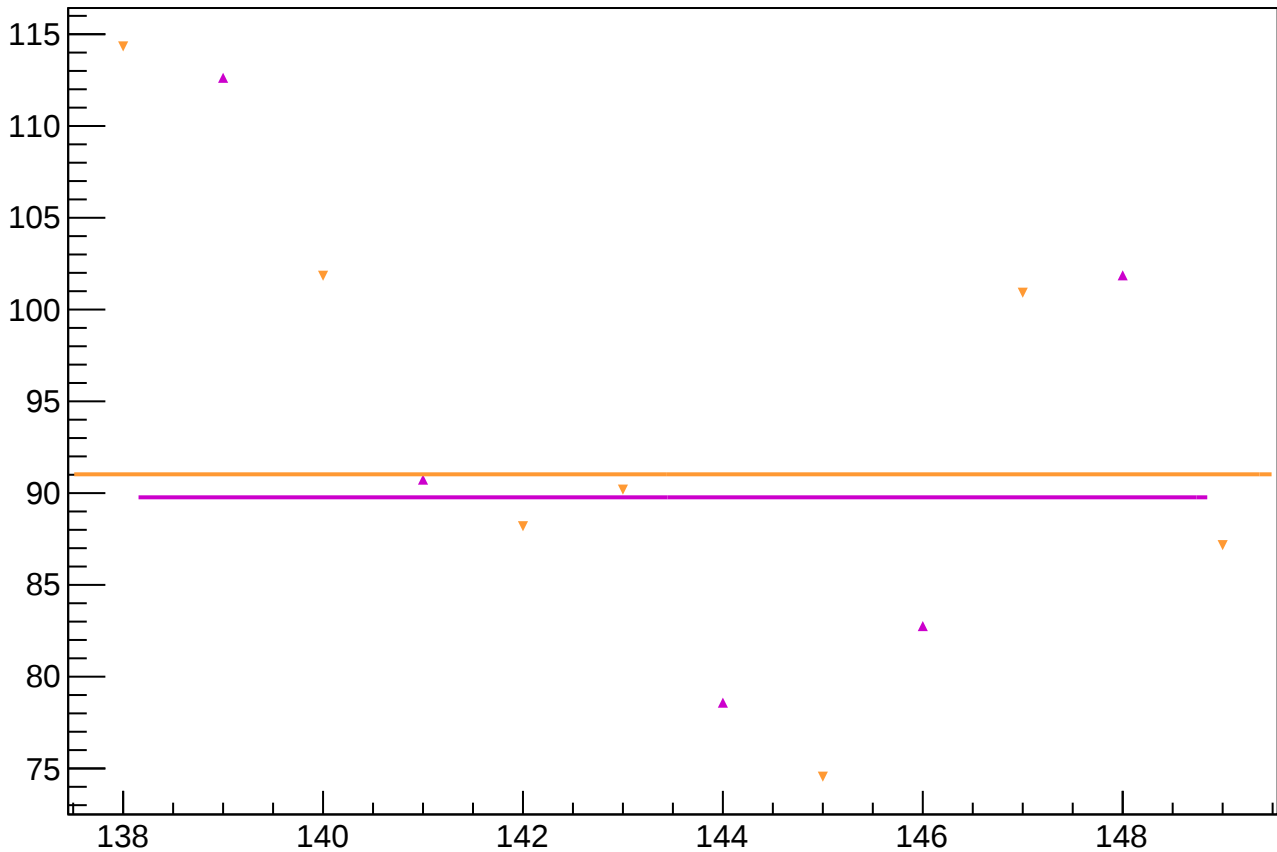
Left In: 44.786+/-45.218 χ^2/NDF : 4.4/4

126.159+/-41.388 χ^2/NDF : 2.9/6

89.064+/-30.530 χ^2/NDF : 9.1/11

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: 91.024+/-0.029 χ^2/NDF : 170020.0/6

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

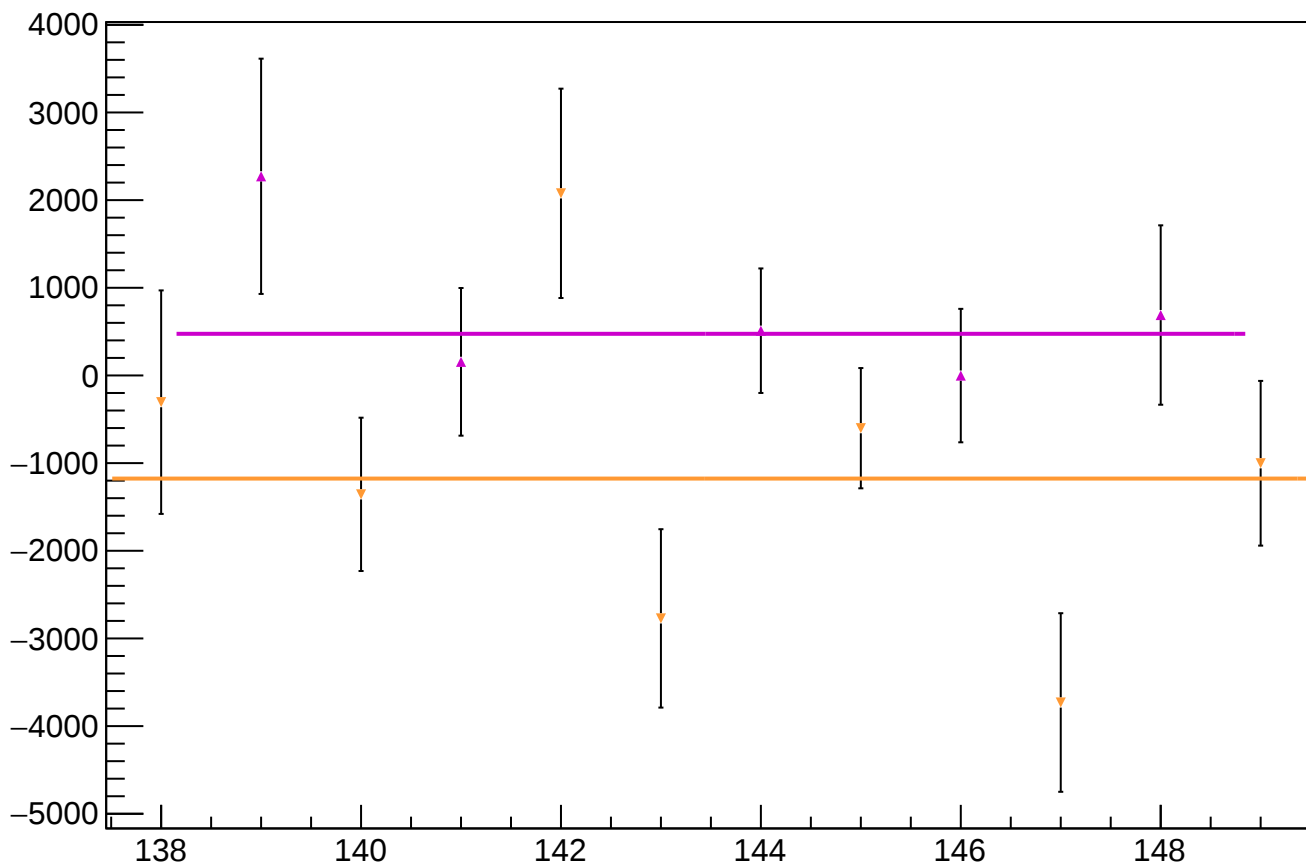
Left In: 89.771+/-0.032 χ^2/NDF : 127840.0/4

91.024+/-0.029 χ^2/NDF : 170020.0/6

90.453+/-0.022 χ^2/NDF : 298696.0/11

89.771+/-0.032 χ^2/NDF : 127840.0/4

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1176.302+/-357.786 χ^2/NDF : 17.4/6

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

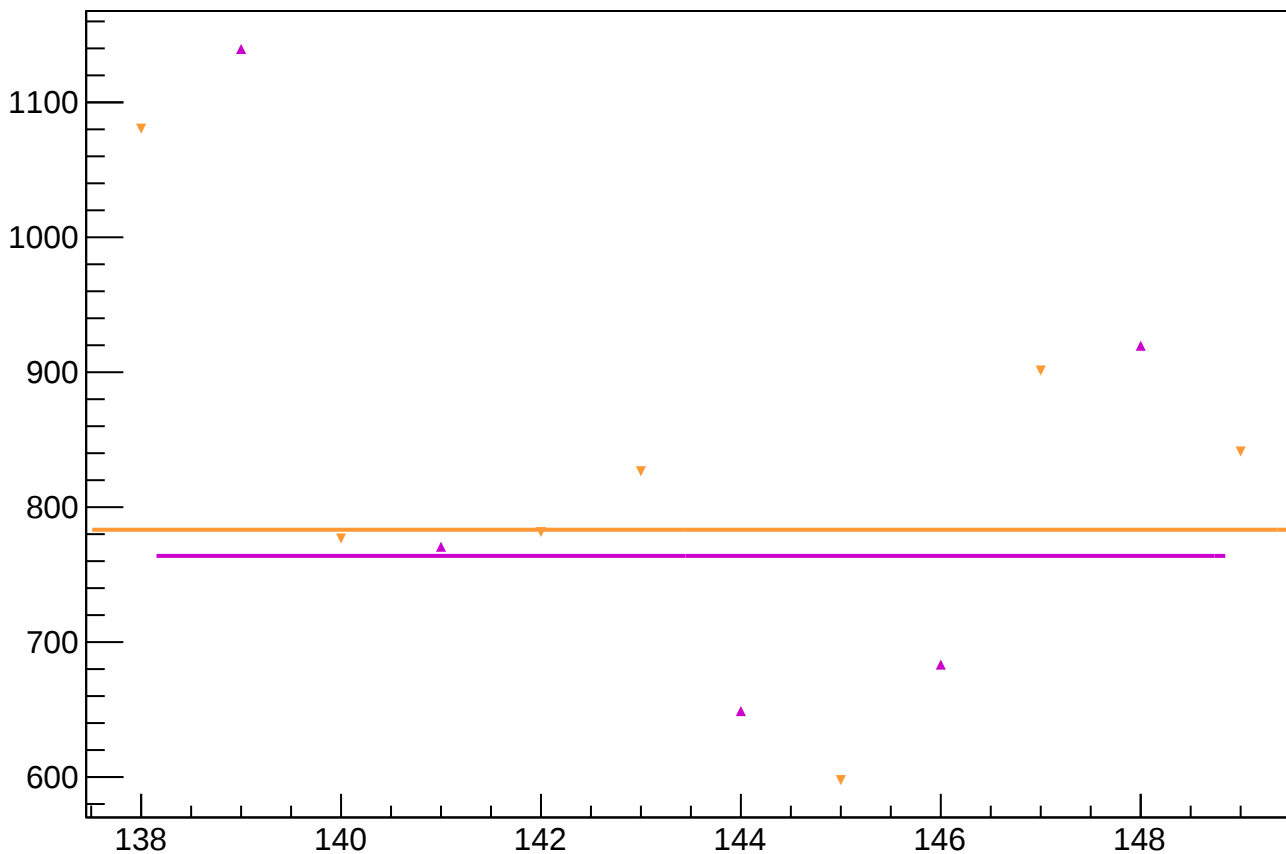
Left In: 475.002+/-388.409 χ^2/NDF : 2.4/4

-1176.302+/-357.786 χ^2/NDF : 17.4/6

-418.304+/-263.154 χ^2/NDF : 29.6/11

475.002+/-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: 783.283+/-0.253 χ^2/NDF : 293279.6/6

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

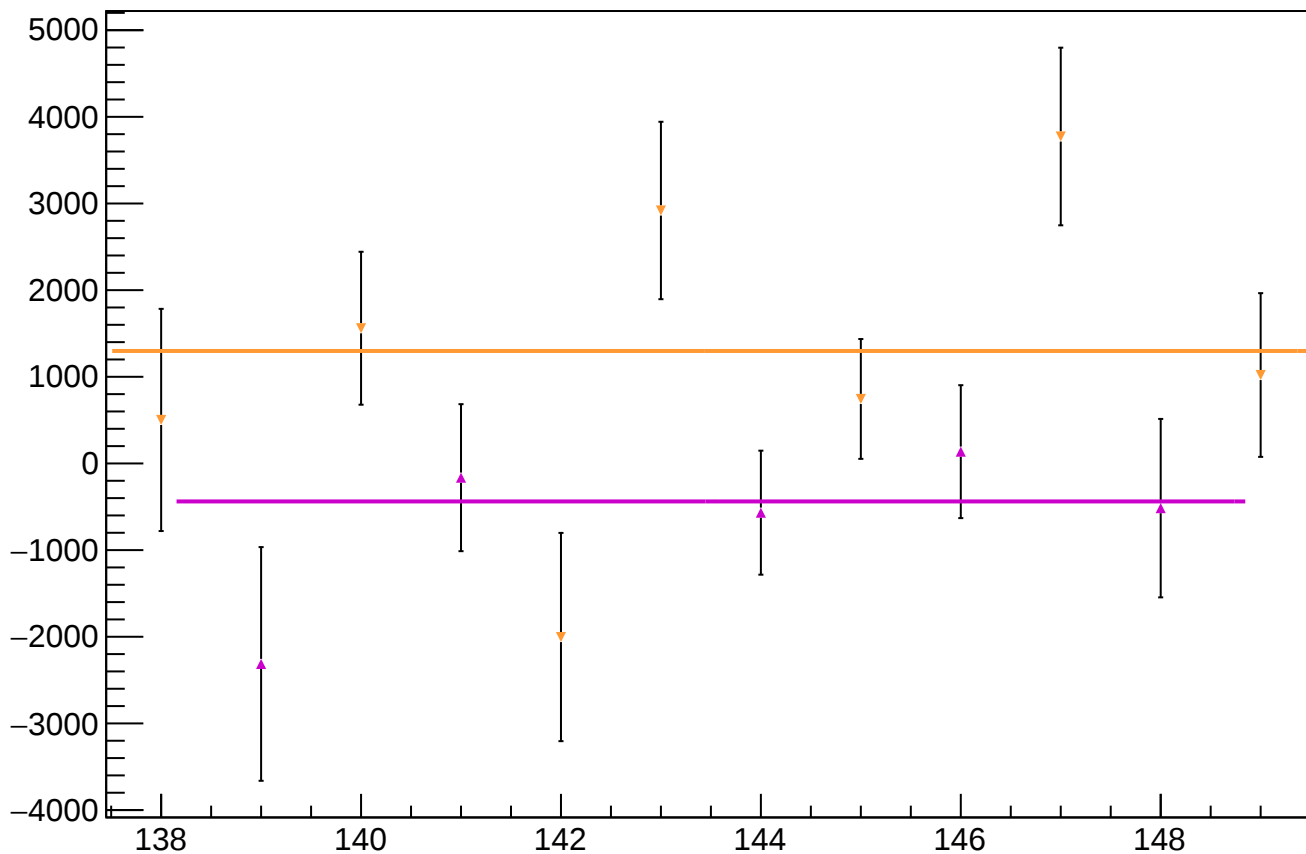
Left In: 763.897+/-0.275 χ^2/NDF : 278055.2/4

783.283+/-0.253 χ^2/NDF : 293279.6/6

774.384+/-0.186 χ^2/NDF : 574030.1/11

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: 1298.160+/-360.295 χ^2/NDF : 17.1/6

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

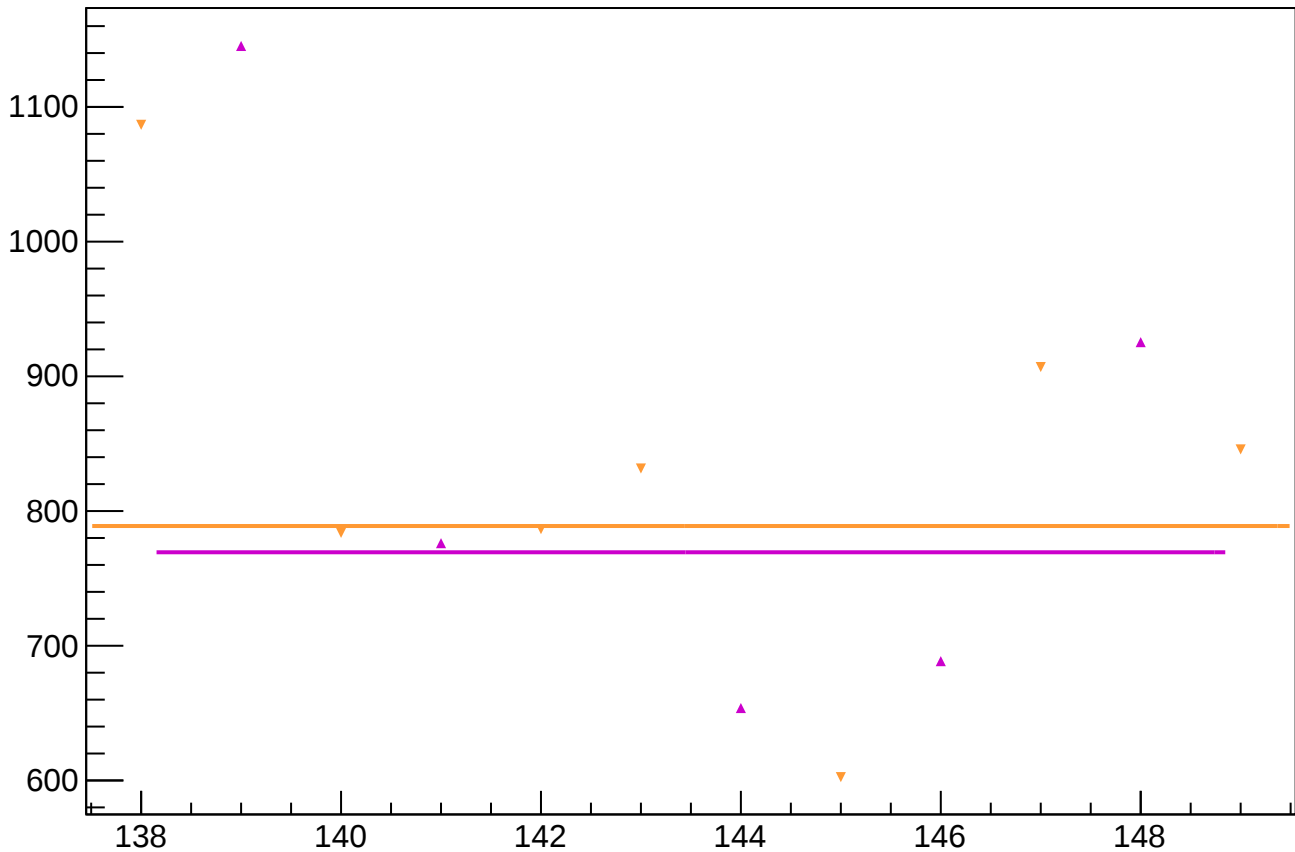
Left In: -438.277+/-391.136 χ^2/NDF : 2.6/4

1298.160+/-360.295 χ^2/NDF : 17.1/6

501.091+/-265.000 χ^2/NDF : 30.4/11

-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: 788.885+/-0.255 χ^2/NDF : 290628.6/6

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

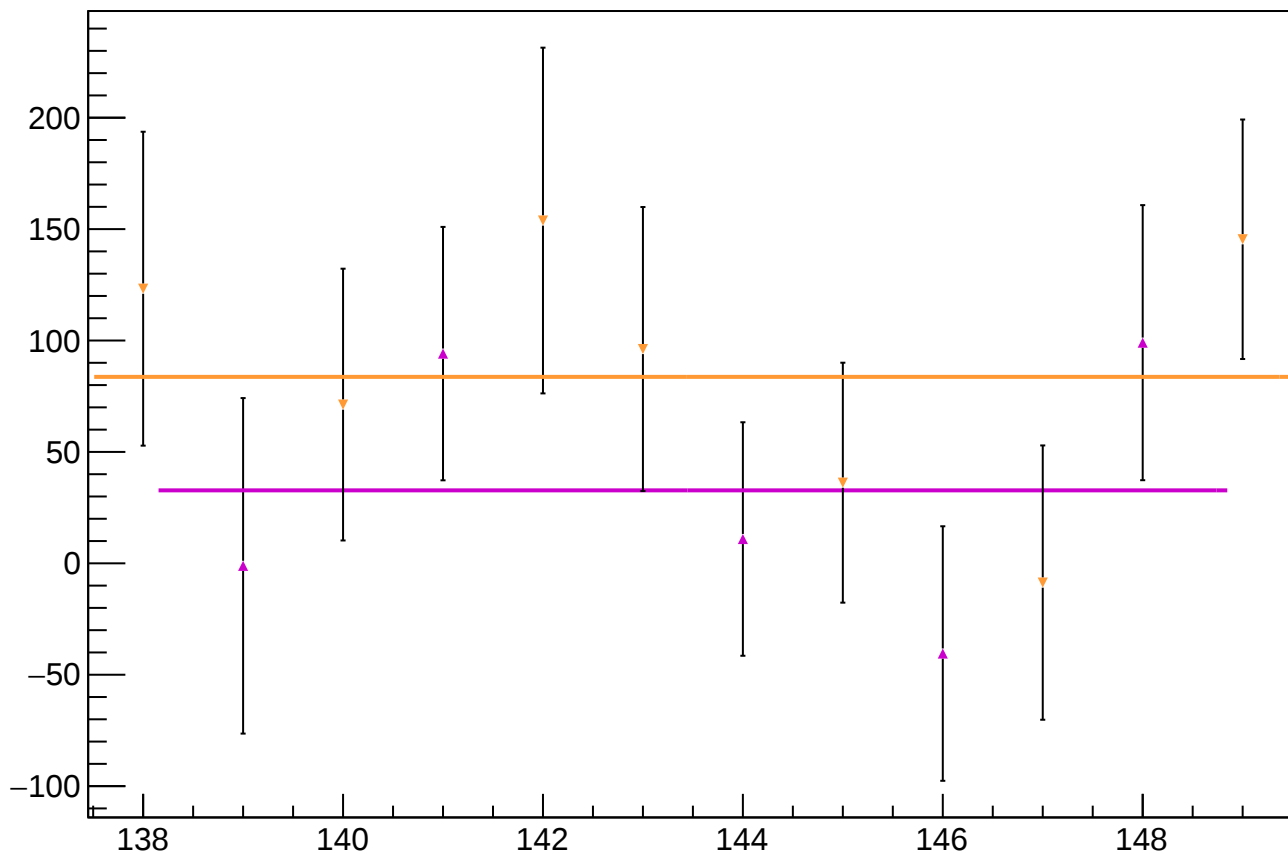
Left In: 769.393+/-0.277 χ^2/NDF : 275866.4/4

788.885+/-0.255 χ^2/NDF : 290628.6/6

779.938+/-0.187 χ^2/NDF : 569182.1/11

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: 83.683+/-23.327 χ^2/NDF : 5.6/6

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

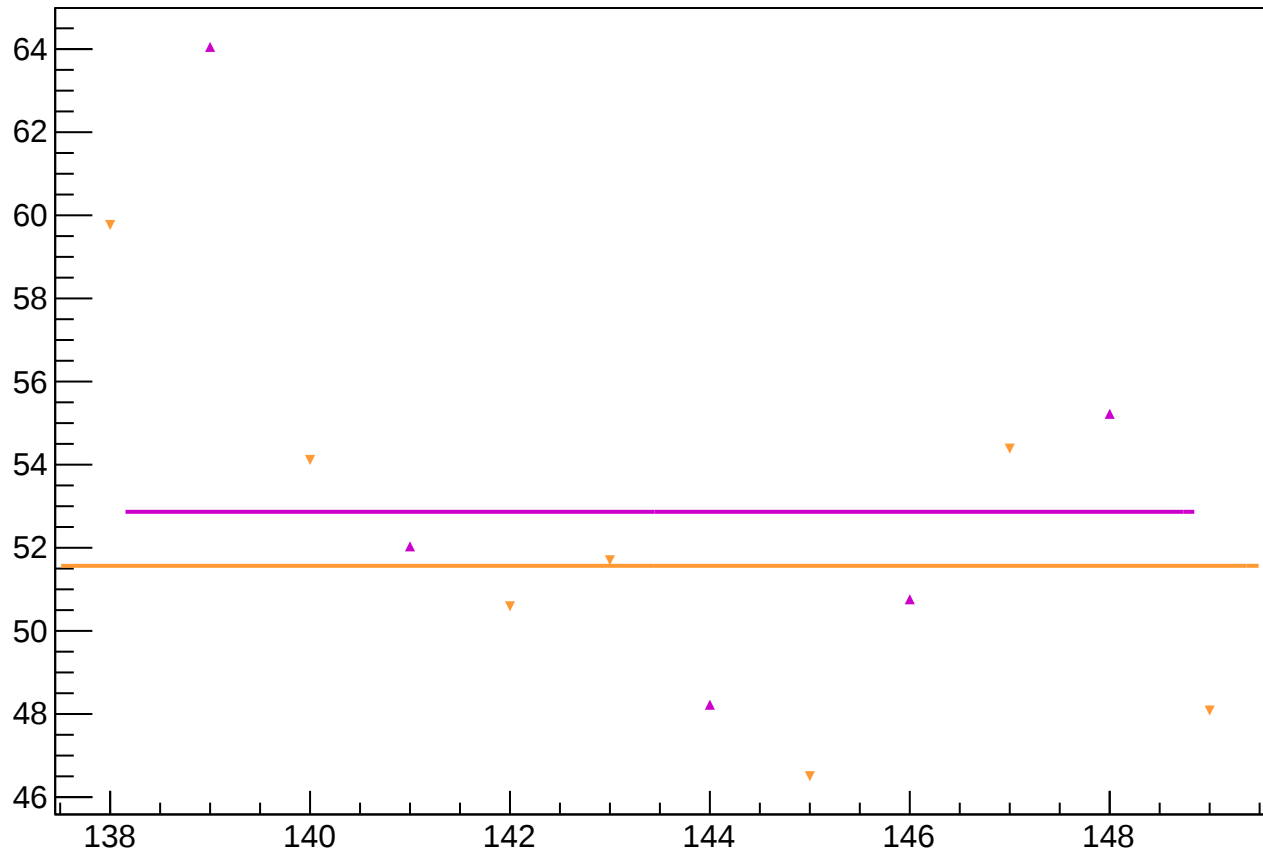
Left In: 32.751+/-26.548 χ^2/NDF : 4.3/4

83.683+/-23.327 χ^2/NDF : 5.6/6

61.493+/-17.524 χ^2/NDF : 12.0/11

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: 51.566+/-0.016 χ^2/NDF : 61201.9/6

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

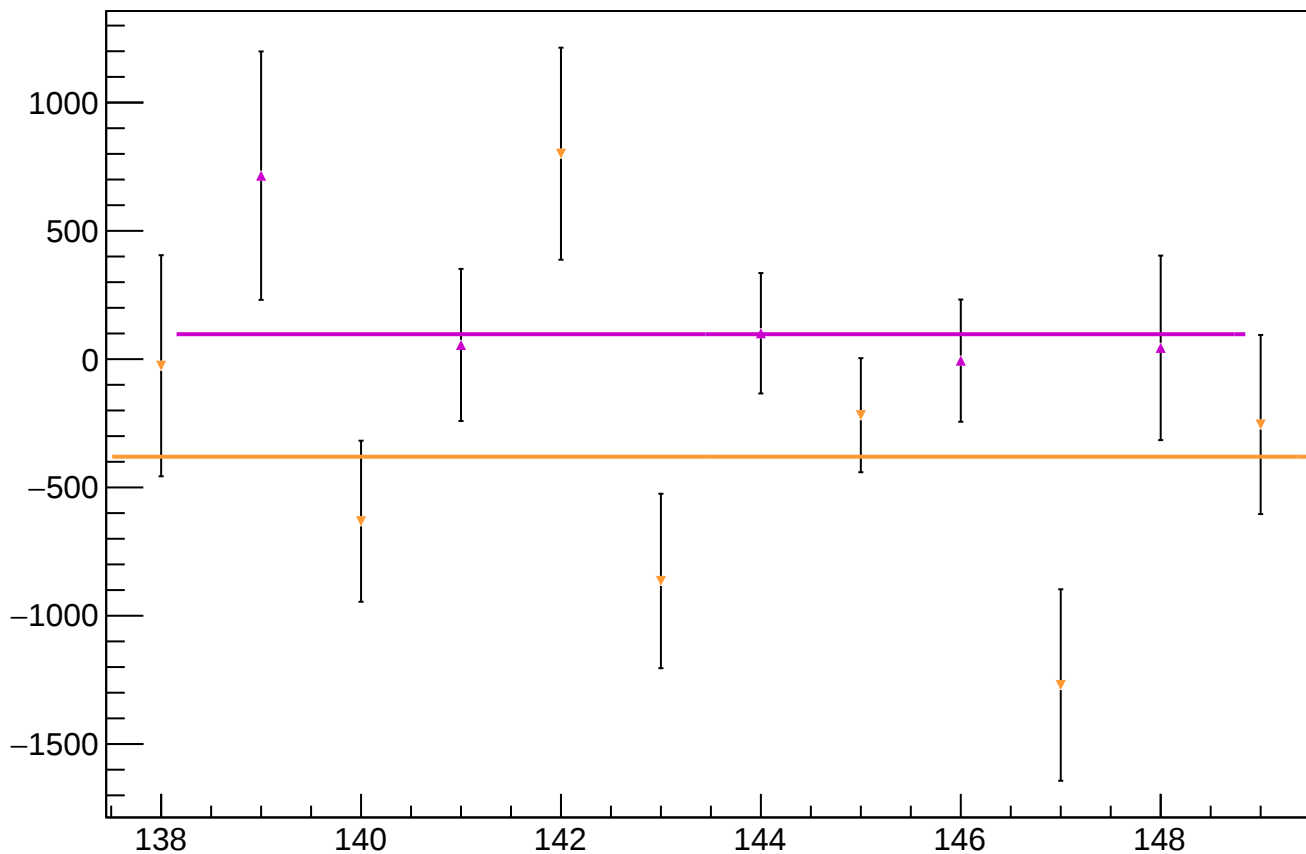
Left In: 52.865+/-0.019 χ^2/NDF : 65908.6/4

51.566+/-0.016 χ^2/NDF : 61201.9/6

52.132+/-0.012 χ^2/NDF : 129813.5/11

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: -380.269+/-123.399 χ^2/NDF :17.9/6

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

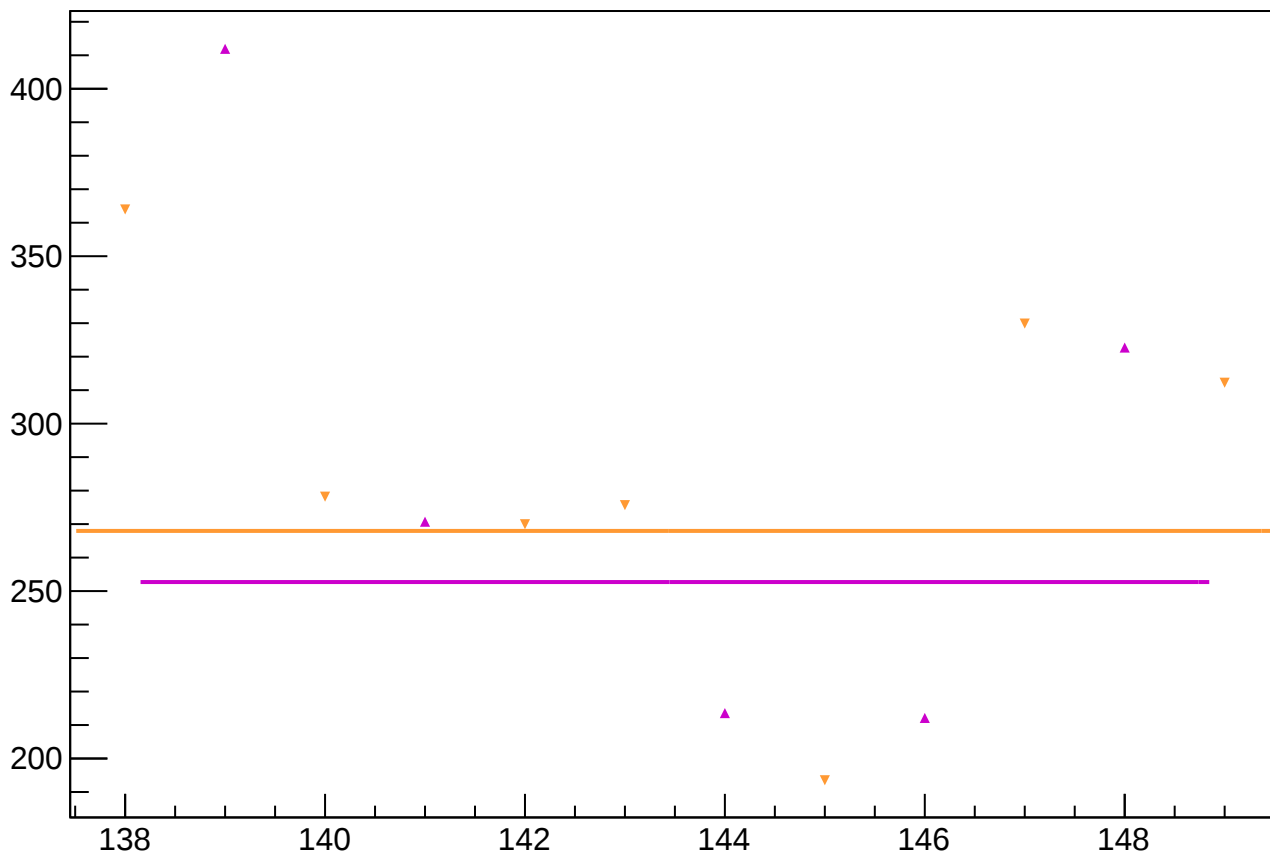
Left In: 97.173+/-129.983 χ^2/NDF :1.9/4

-380.269+/-123.399 χ^2/NDF : 17.9/6

-153.946+/-89.494 χ^2/NDF : 26.8/11

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: 267.967+/-0.087 χ^2/NDF : 414083.7/6

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

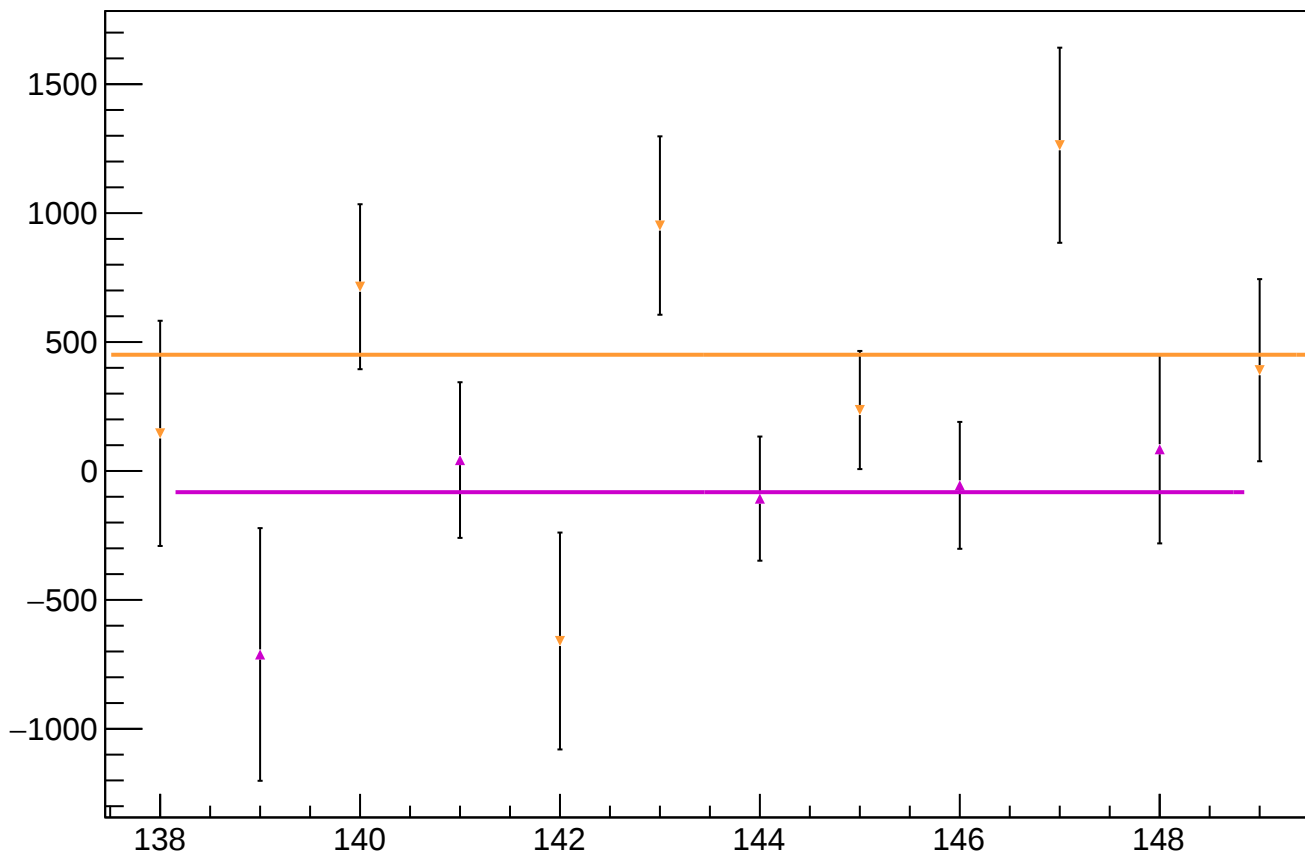
Left In: 252.698+/-0.092 χ^2/NDF : 413346.9/4

267.967+/-0.087 χ^2/NDF : 414083.7/6

260.729+/-0.063 χ^2/NDF : 841947.0/11

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: 450.766+/-125.901 χ^2/NDF : 15.7/6

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

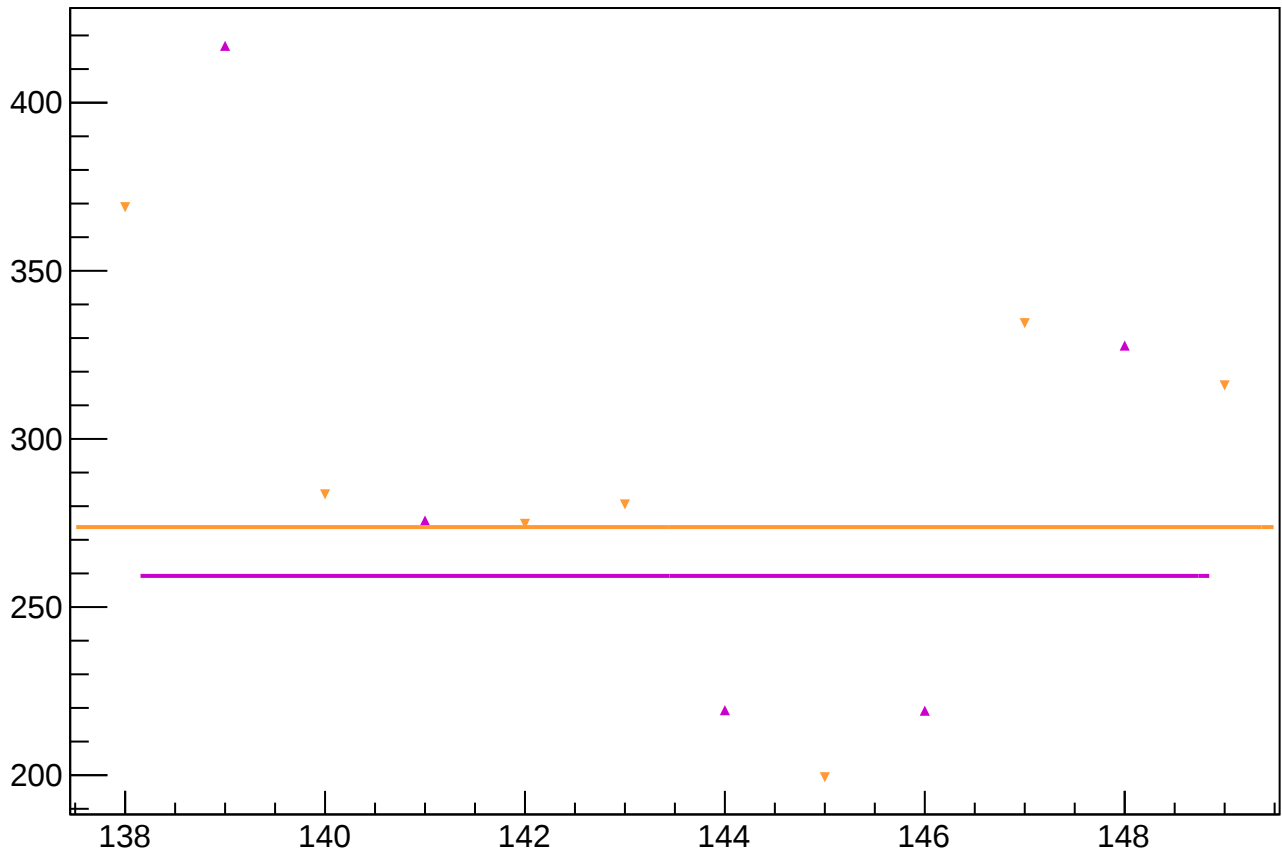
Left In: -82.211+/-133.139 χ^2/NDF : 2.1/4

450.766+/-125.901 χ^2/NDF : 15.7/6

199.158+/-91.477 χ^2/NDF : 26.3/11

-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: 273.780+/-0.089 χ^2/NDF : 388361.5/6

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

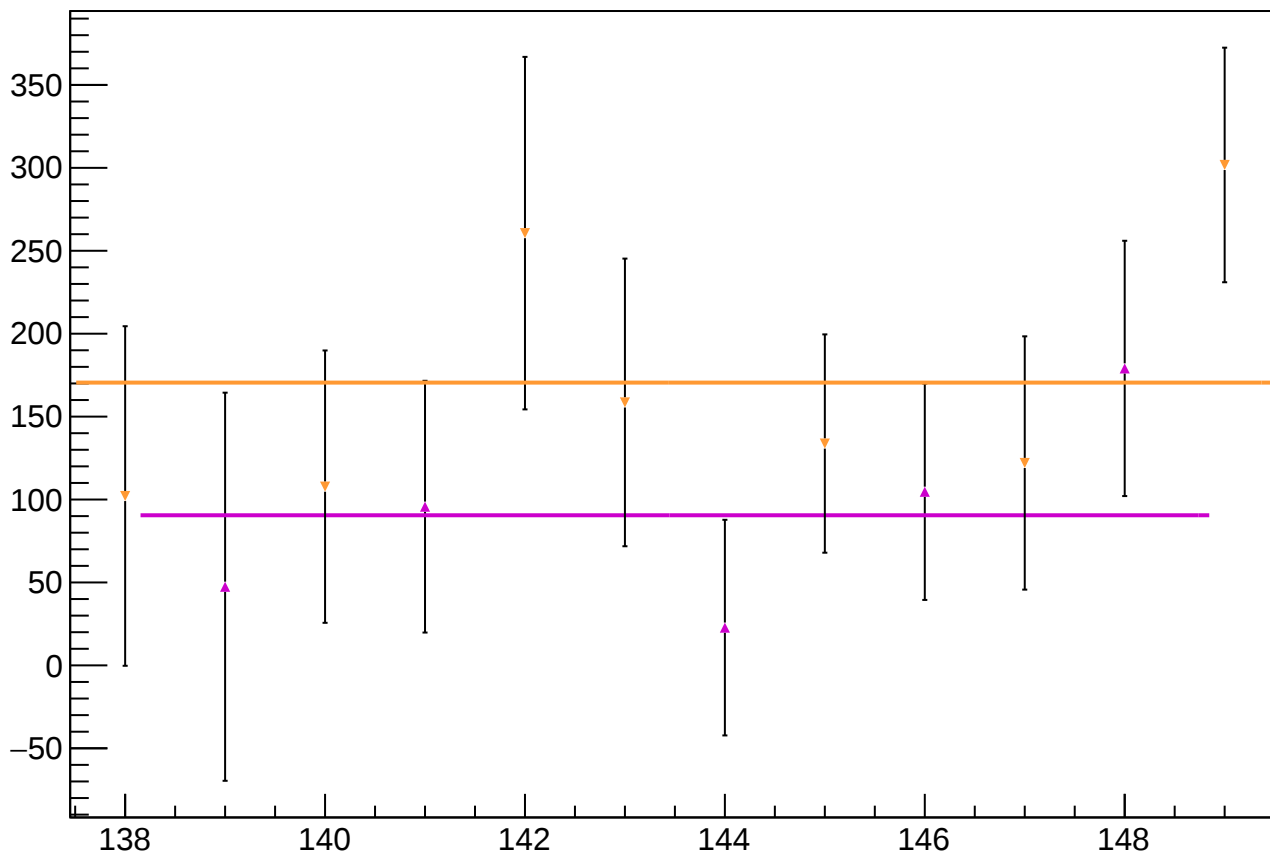
Left In: 259.266+/-0.094 χ^2/NDF : 391516.7/4

273.780+/-0.089 χ^2/NDF : 388361.5/6

266.929+/-0.065 χ^2/NDF : 792426.0/11

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: 170.512+/-30.608 χ^2/NDF : 5.9/6

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

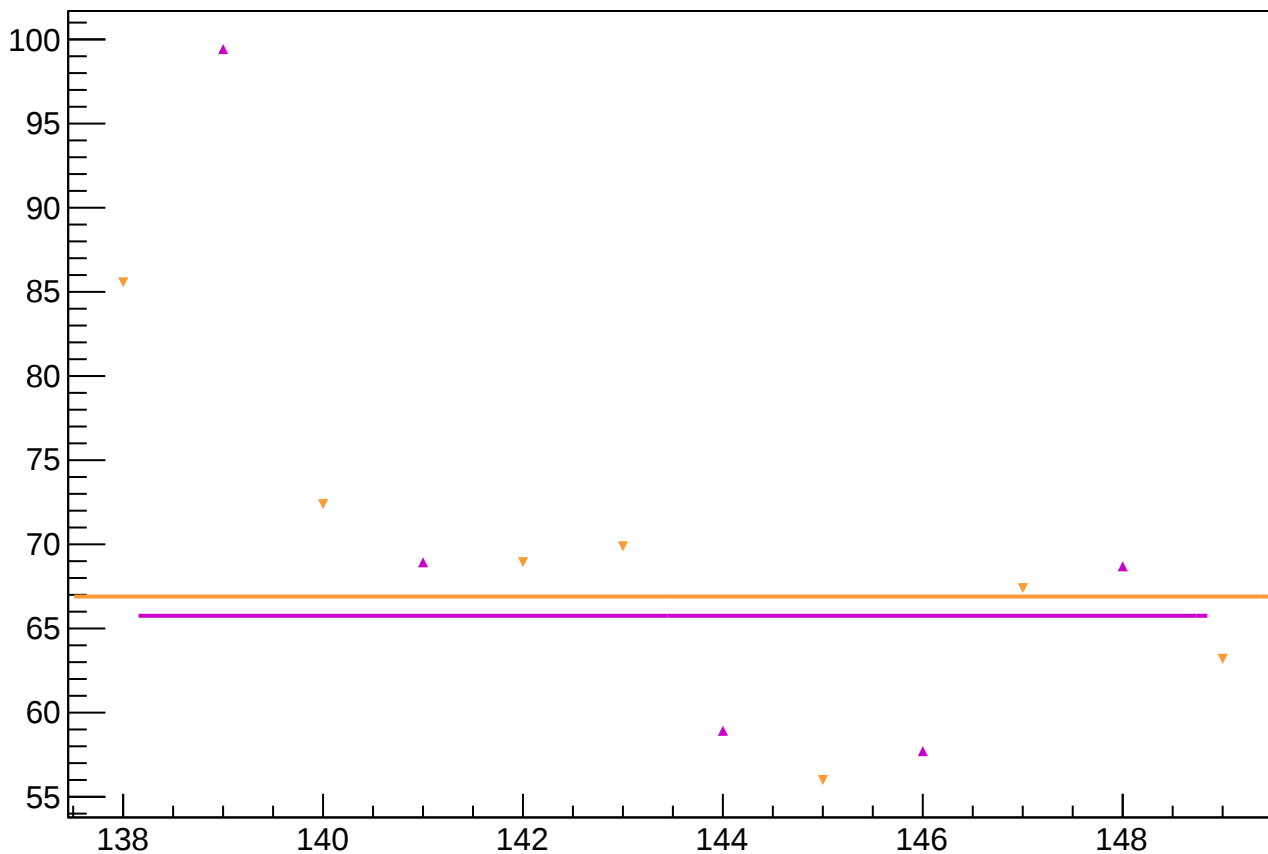
Left In: 90.513+/-33.576 χ^2/NDF : 2.6/4

170.512+/-30.608 χ^2/NDF : 5.9/6

134.204+/-22.620 χ^2/NDF : 11.6/11

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: 66.899+/-0.022 χ^2/NDF : 138958.2/6

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

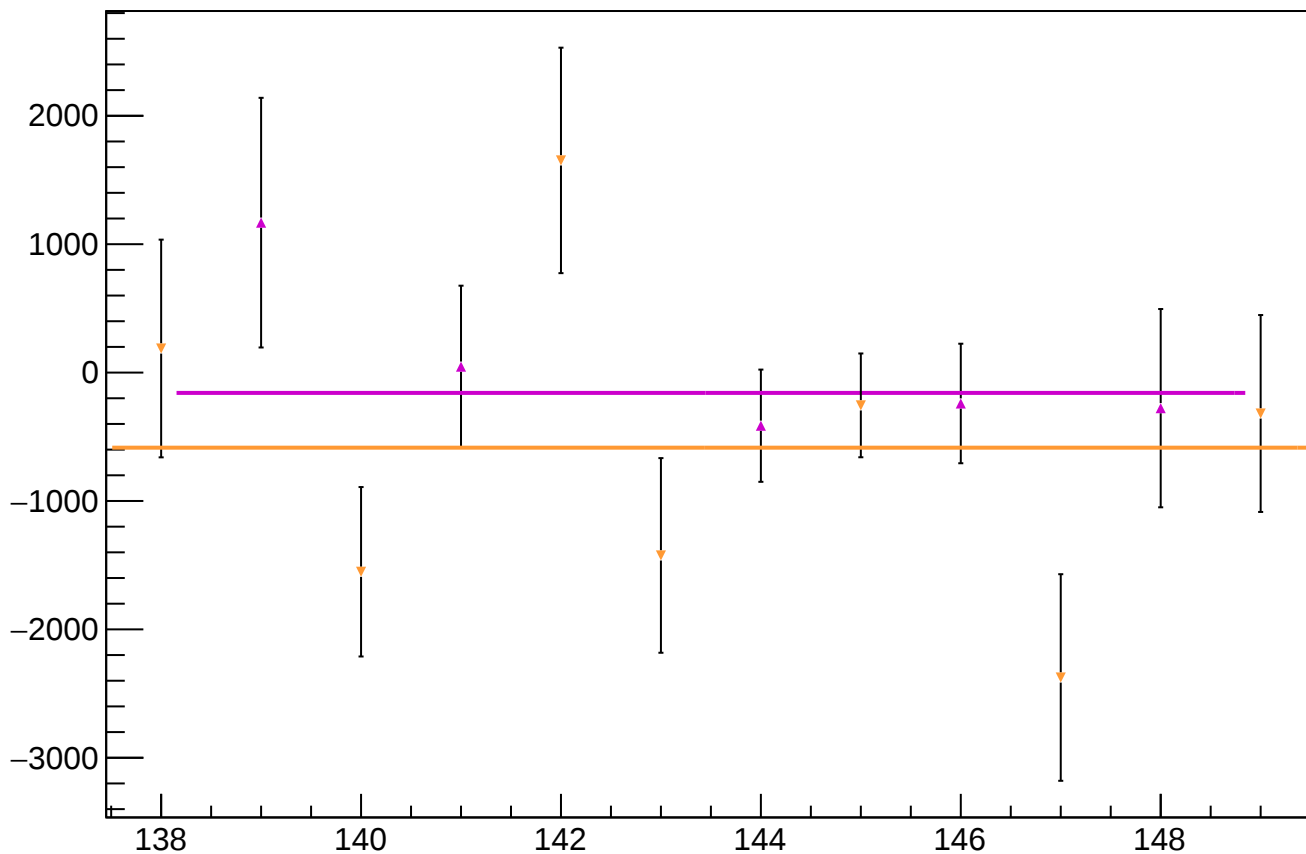
Left In: 65.756+/-0.024 χ^2/NDF : 224514.8/4

66.899+/-0.022 χ^2/NDF : 138958.2/6

66.380+/-0.016 χ^2/NDF : 364740.0/11

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: -584.800+/-249.287 χ^2/NDF :16.4/6

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

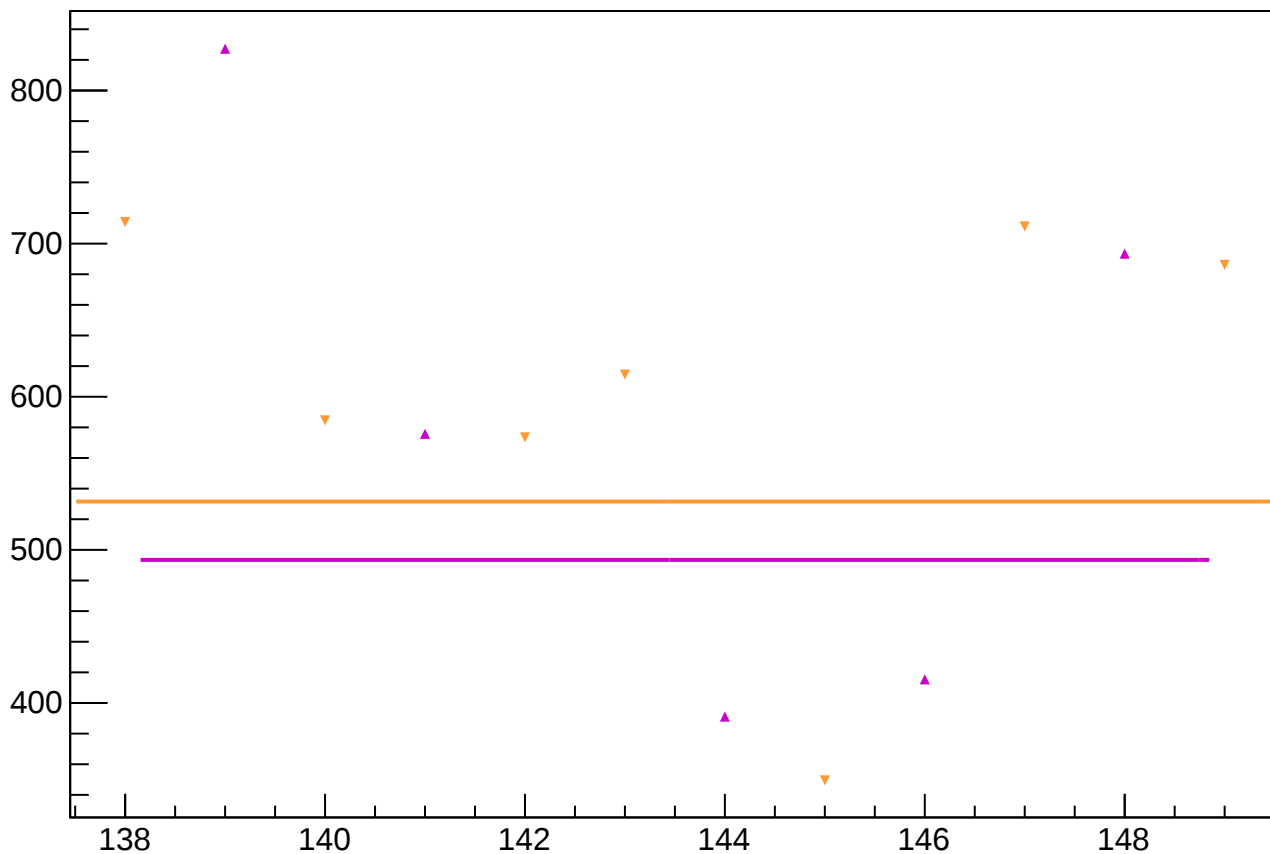
Left In: -158.253+/-257.340 χ^2/NDF :2.4/4

-584.800+/-249.287 χ^2/NDF : 16.4/6

-378.305+/-179.052 χ^2/NDF : 20.2/11

-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: 531.572+/-0.176 χ^2/NDF : 721006.3/6

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

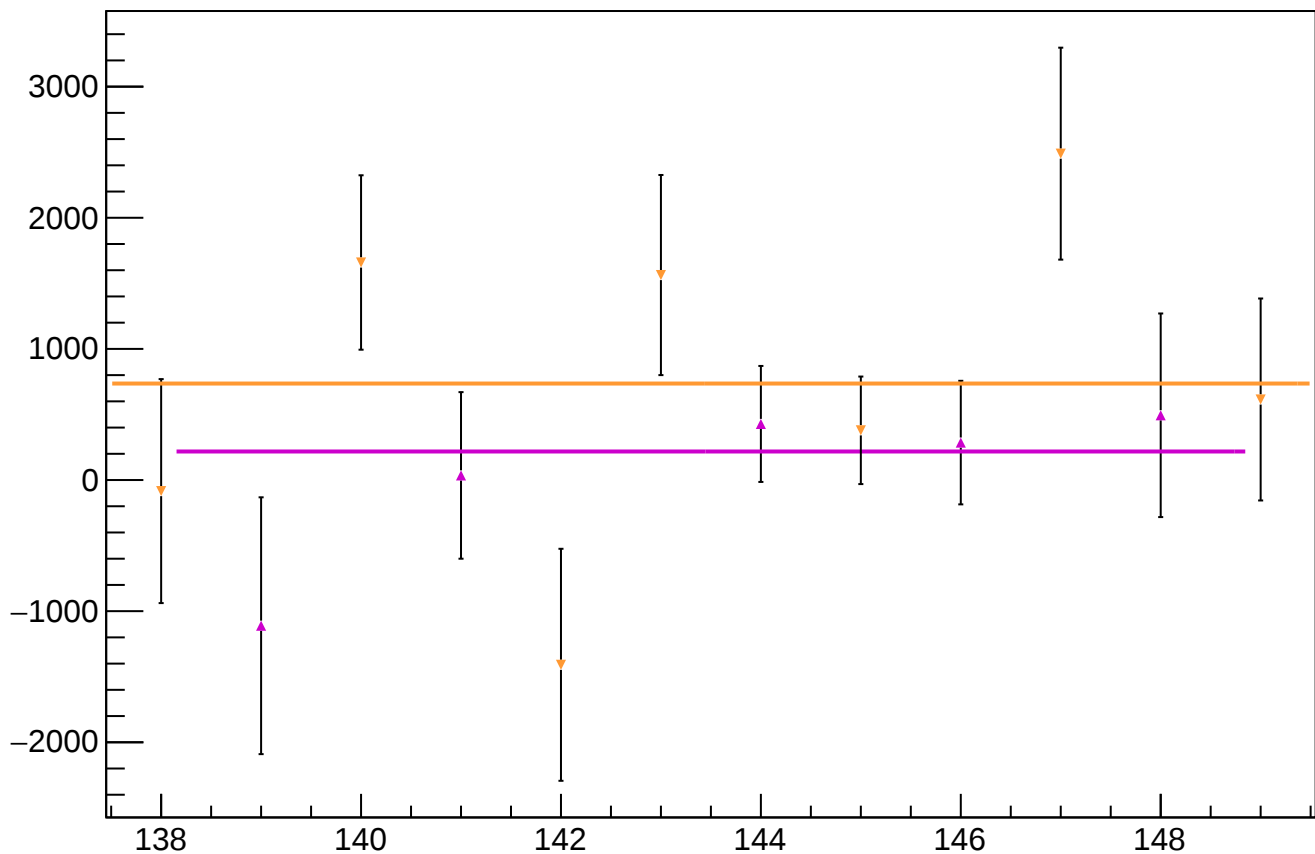
Left In: 493.459+/-0.182 χ^2/NDF : 569868.9/4

531.572+/-0.176 χ^2/NDF : 721006.3/6

513.121+/-0.127 χ^2/NDF : 1313507.5/11

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: 735.828+/-251.640 χ^2/NDF : 15.4/6

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

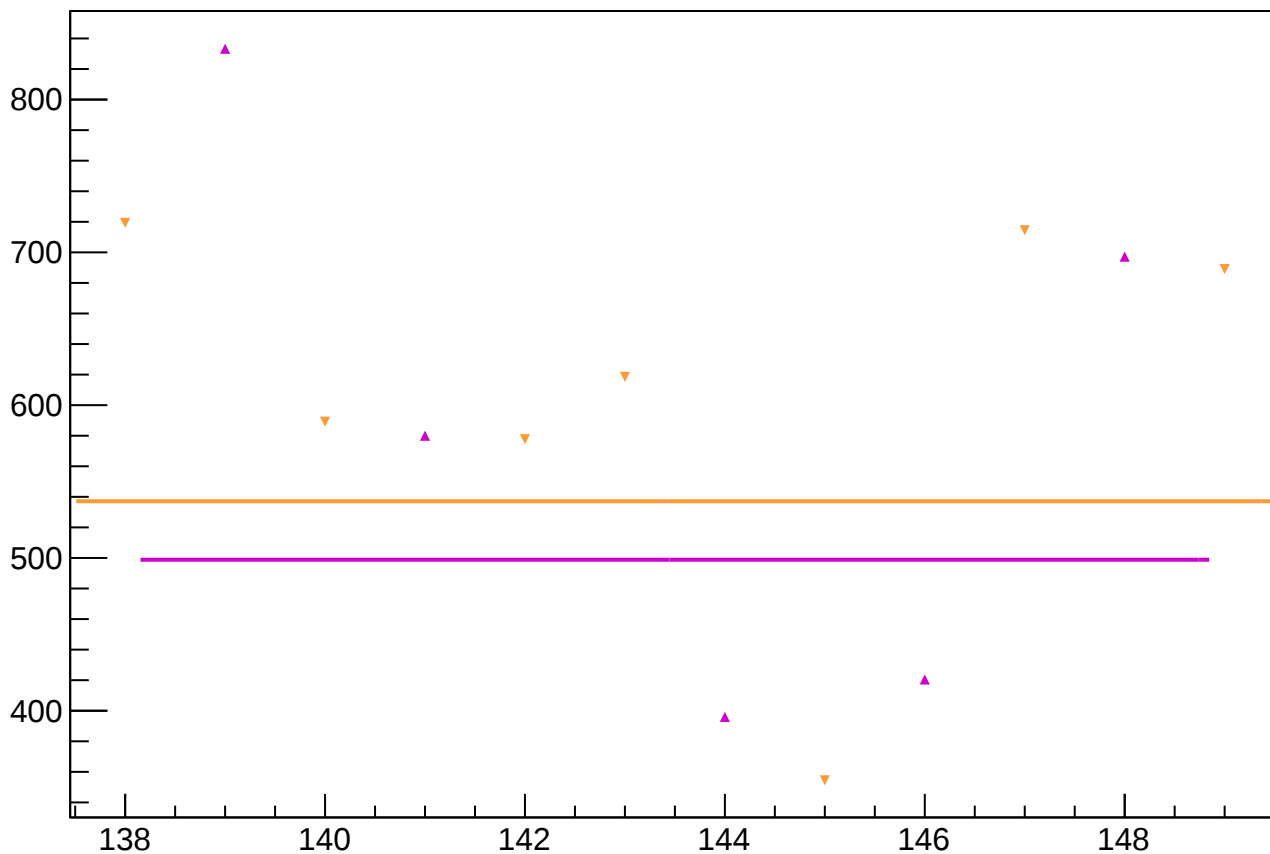
Left In: 217.638+/-259.956 χ^2/NDF : 2.3/4

735.828+/-251.640 χ^2/NDF : 15.4/6

485.155+/-180.805 χ^2/NDF : 19.7/11

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: 537.129+/-0.178 χ^2/NDF : 701343.1/6

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

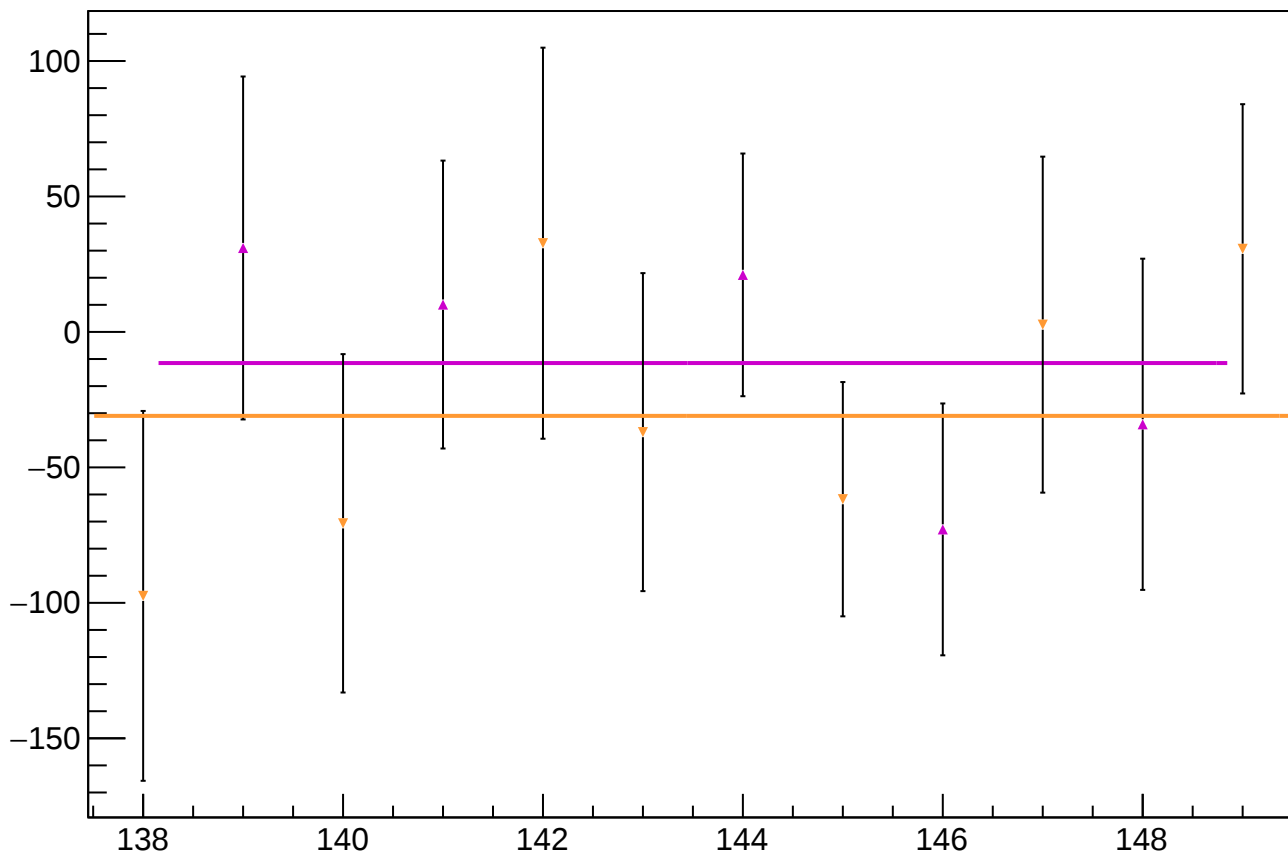
Left In: 498.849+/-0.184 χ^2/NDF : 559965.4/4

537.129+/-0.178 χ^2/NDF : 701343.1/6

518.611+/-0.128 χ^2/NDF : 1283697.6/11

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: -30.985+/-21.827 χ^2/NDF : 4.3/6

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

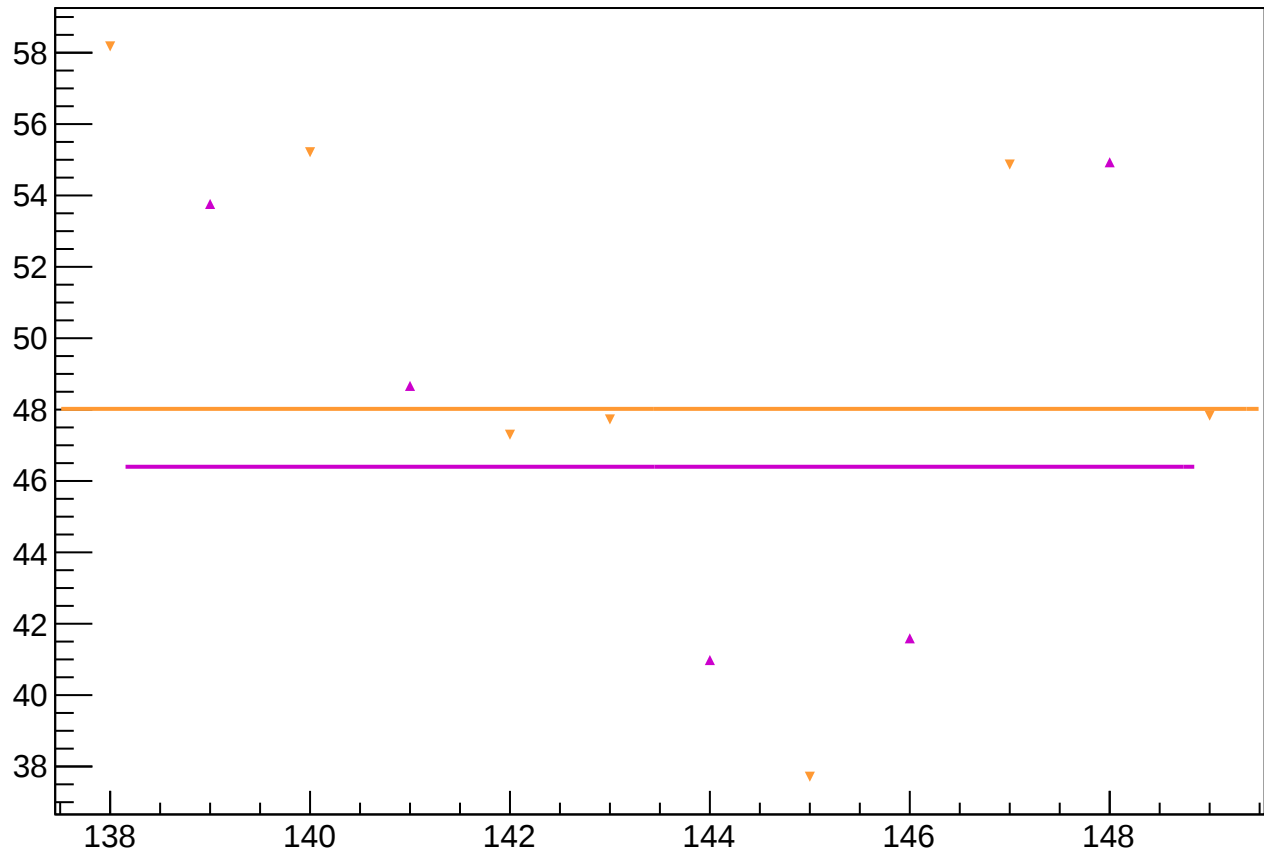
Left In: -11.487+/-23.358 χ^2/NDF : 3.0/4

-30.985+/-21.827 χ^2/NDF : 4.3/6

-21.896+/-15.948 χ^2/NDF : 7.7/11

-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: 48.021+/-0.015 χ^2/NDF : 209081.8/6

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

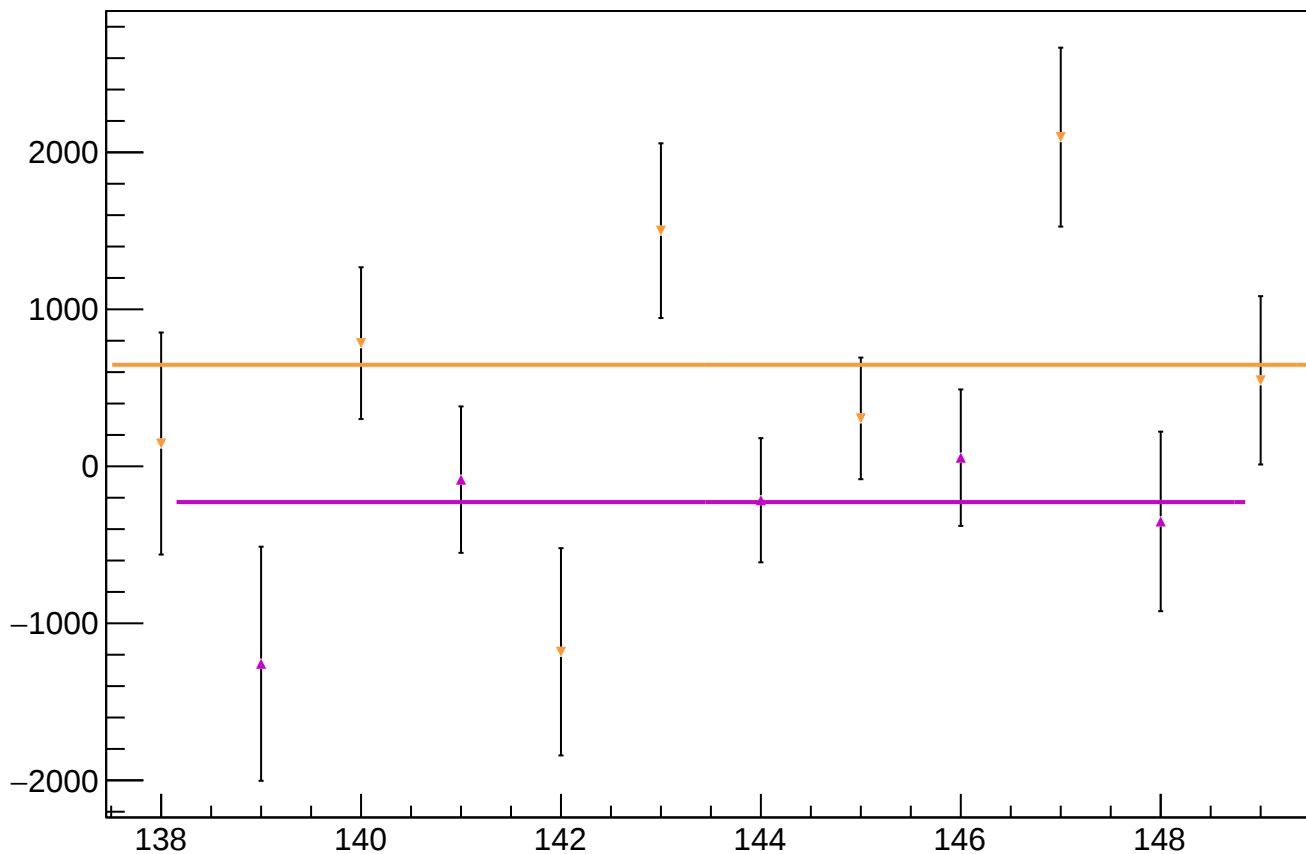
Left In: 46.398+/-0.017 χ^2/NDF : 120311.9/4

48.021+/-0.015 χ^2/NDF : 209081.8/6

47.264+/-0.011 χ^2/NDF : 334542.8/11

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: 646.637+/-199.911 χ^2/NDF : 17.9/6

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

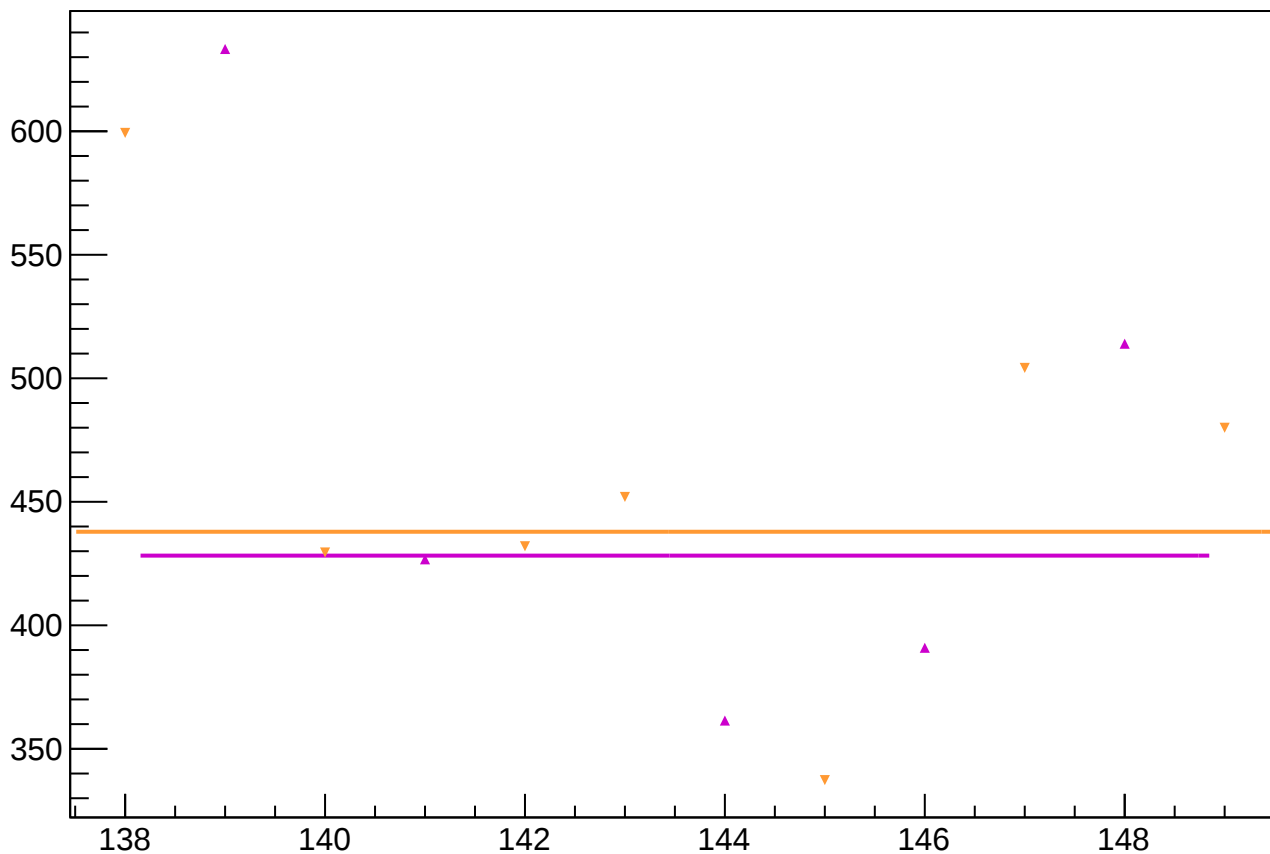
Left In: -227.617+/-217.476 χ^2/NDF : 2.5/4

646.637+/-199.911 χ^2/NDF : 17.9/6

246.238+/-147.177 χ^2/NDF : 29.1/11

-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: 437.880 ± 0.141 χ^2/NDF : 280424.4/6

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

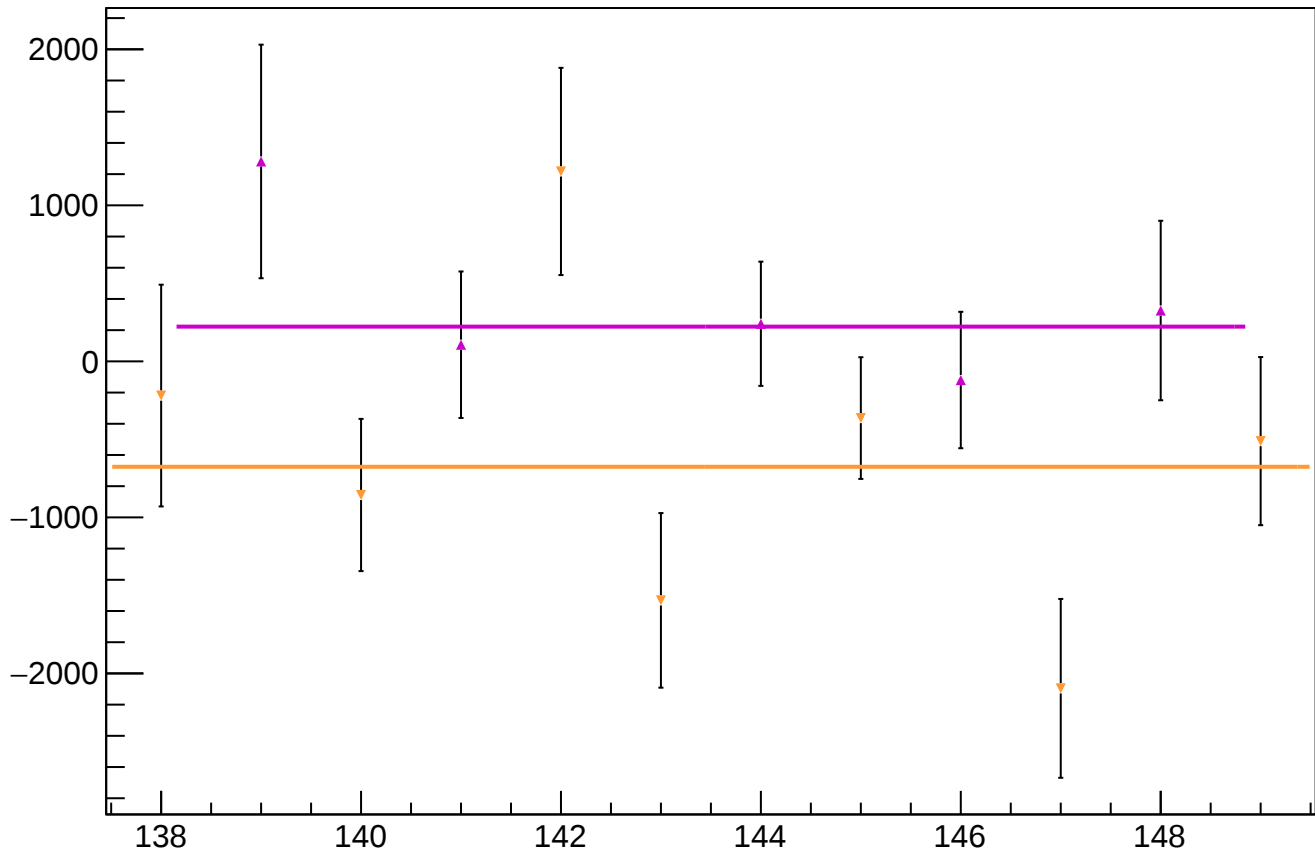
Left In: 428.217 ± 0.154 χ^2/NDF : 268087.7/4

437.880 ± 0.141 χ^2/NDF : 280424.4/6

433.454 ± 0.104 χ^2/NDF : 550652.0/11

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: -675.660+/-201.163 χ^2/NDF : 17.9/6

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

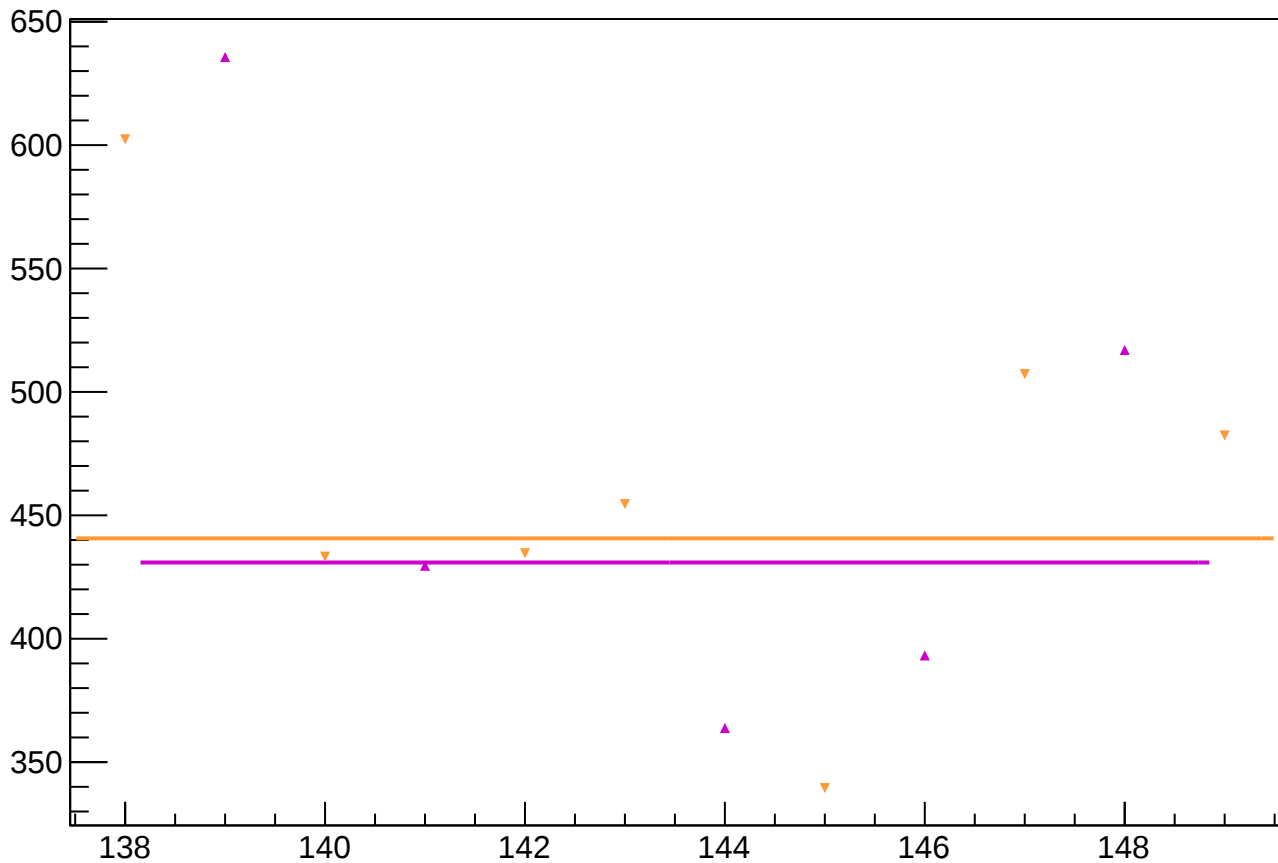
Left In: 222.635+/-218.799 χ^2/NDF : 2.7/4

-675.660+/-201.163 χ^2/NDF : 17.9/6

-264.170+/-148.086 χ^2/NDF : 29.7/11

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: 440.671+/-0.142 χ^2/NDF : 279030.0/6

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

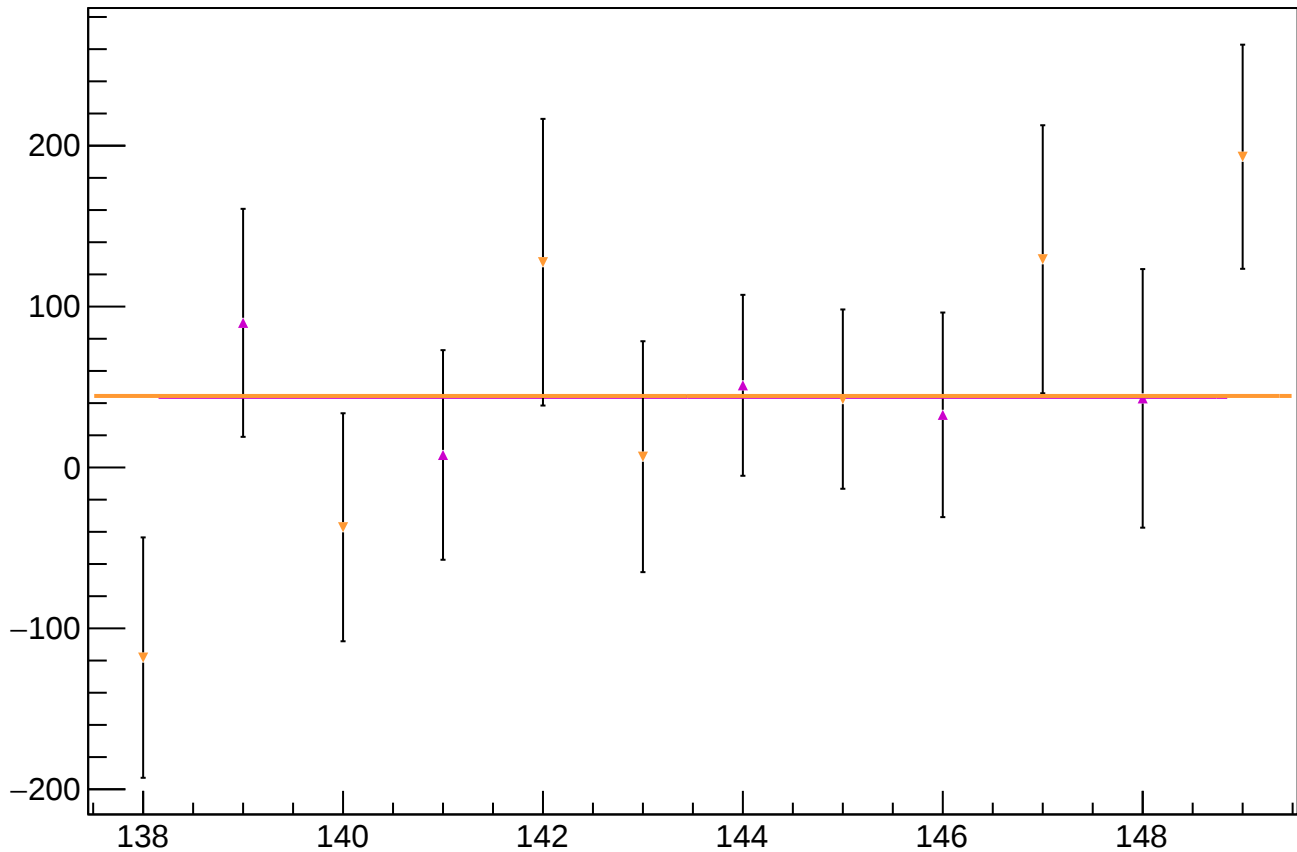
Left In: 430.886+/-0.155 χ^2/NDF : 266223.4/4

440.671+/-0.142 χ^2/NDF : 279030.0/6

436.188+/-0.105 χ^2/NDF : 547420.9/11

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: 44.456+/-27.009 χ^2/NDF : 12.8/6

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

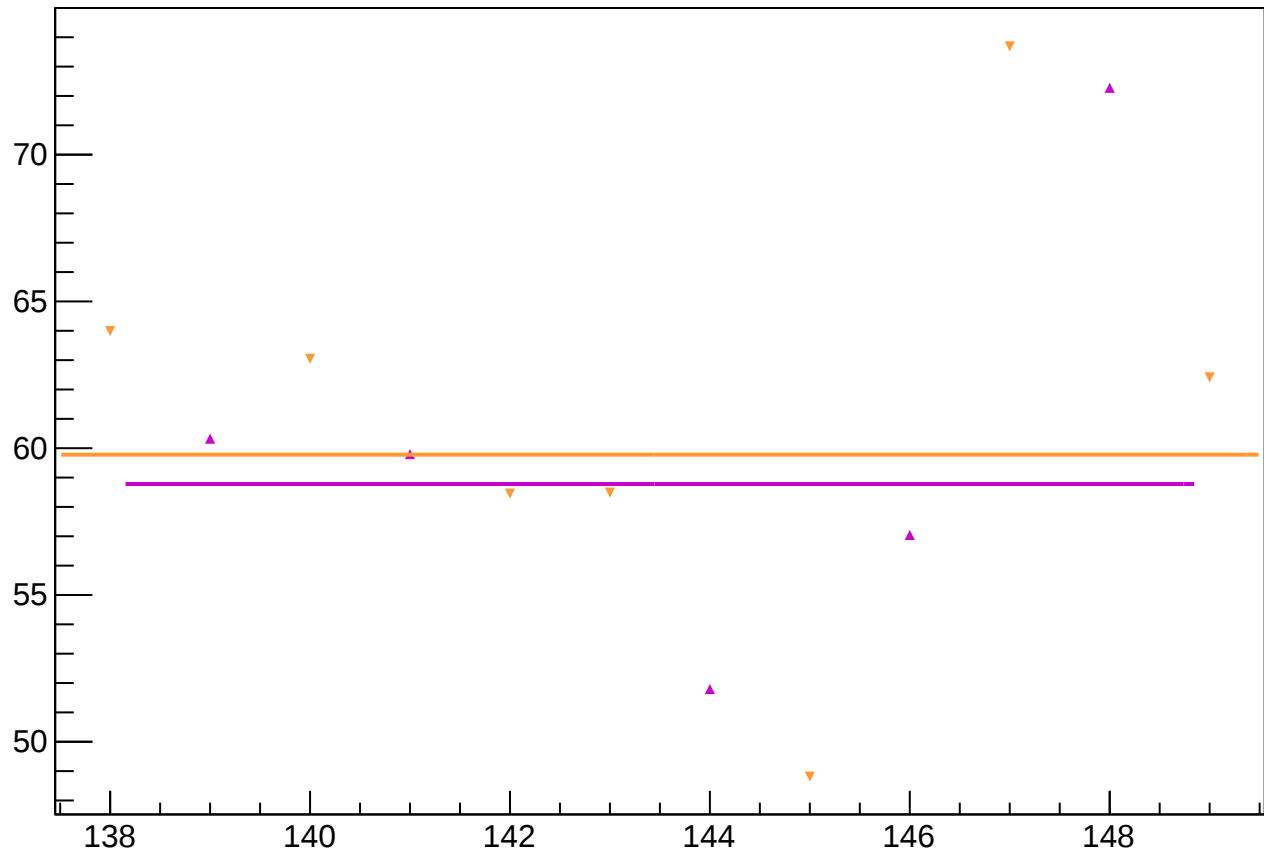
Left In: 43.904+/-29.446 χ^2/NDF : 0.8/4

44.456+/-27.009 χ^2/NDF : 12.8/6

44.204+/-19.904 χ^2/NDF : 13.6/11

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: 59.781+/-0.019 χ^2/NDF : 147790.3/6

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

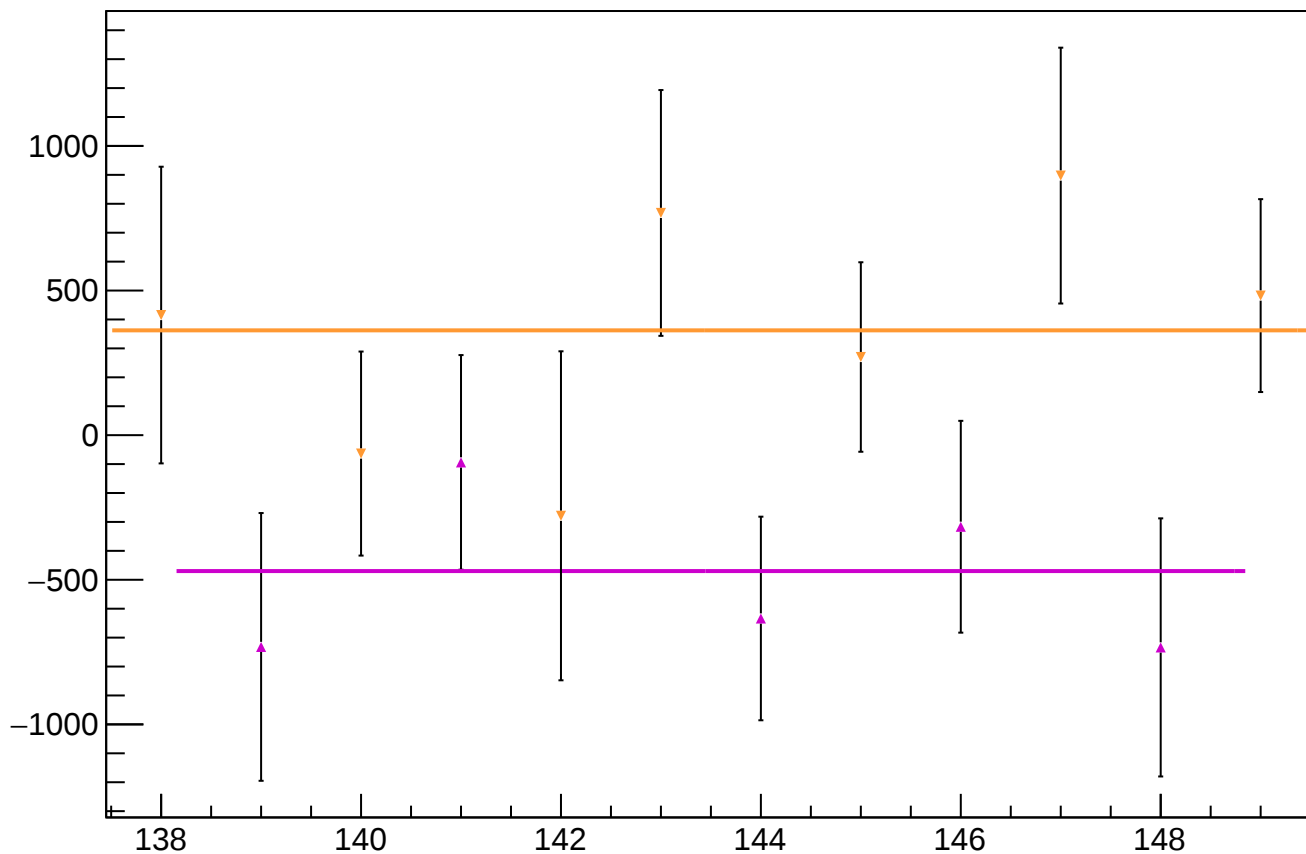
Left In: 58.780+/-0.021 χ^2/NDF : 90203.5/4

59.781+/-0.019 χ^2/NDF : 147790.3/6

59.323+/-0.014 χ^2/NDF : 239249.2/11

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: 362.380 ± 150.940 χ^2/NDF : 5.3/6

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

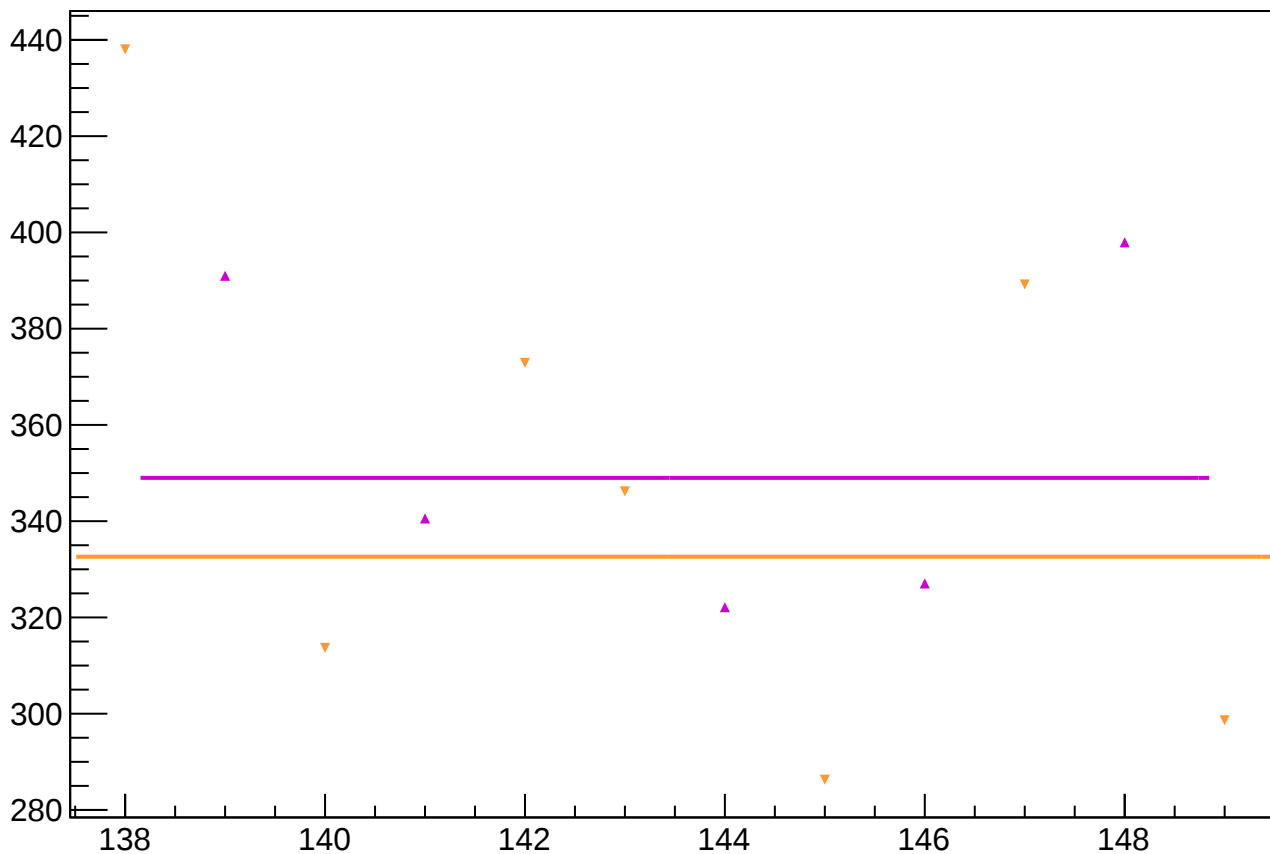
Left In: -469.918 ± 175.456 χ^2/NDF : 2.1/4

362.380 ± 150.940 χ^2/NDF : 5.3/6

8.395 ± 114.425 χ^2/NDF : 20.3/11

-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: 332.614+/-0.107 χ^2/NDF : 195808.6/6

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

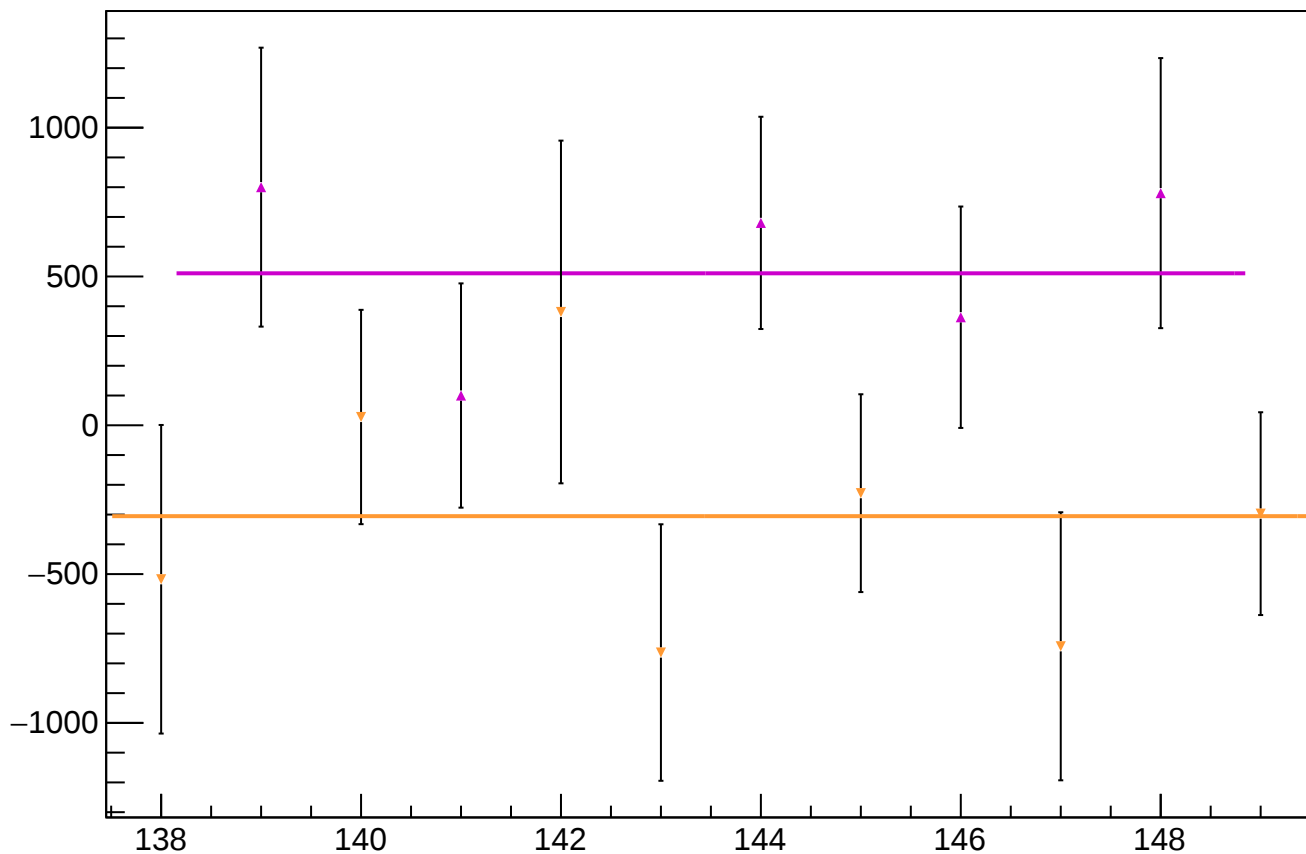
Left In: 349.003+/-0.124 χ^2/NDF : 60389.5/4

332.614+/-0.107 χ^2/NDF : 195808.6/6

339.585+/-0.081 χ^2/NDF : 266226.8/11

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: -305.356+/-153.508 χ^2/NDF : 4.6/6

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

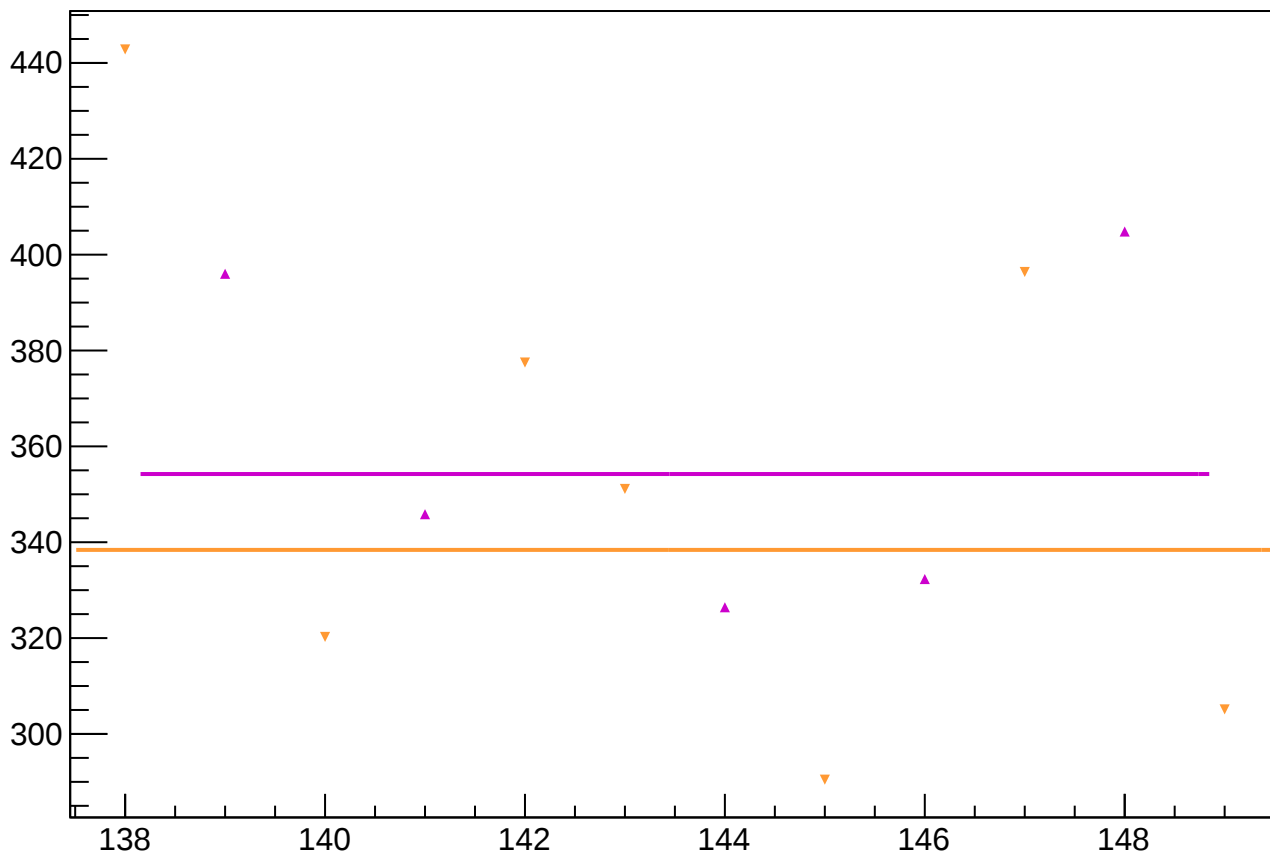
Left In: 510.644+/-178.039 χ^2/NDF : 2.3/4

-305.356+/-153.508 χ^2/NDF : 4.6/6

42.596+/-116.260 χ^2/NDF : 18.9/11

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: 338.400+/-0.109 χ^2/NDF : 191057.0/6

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

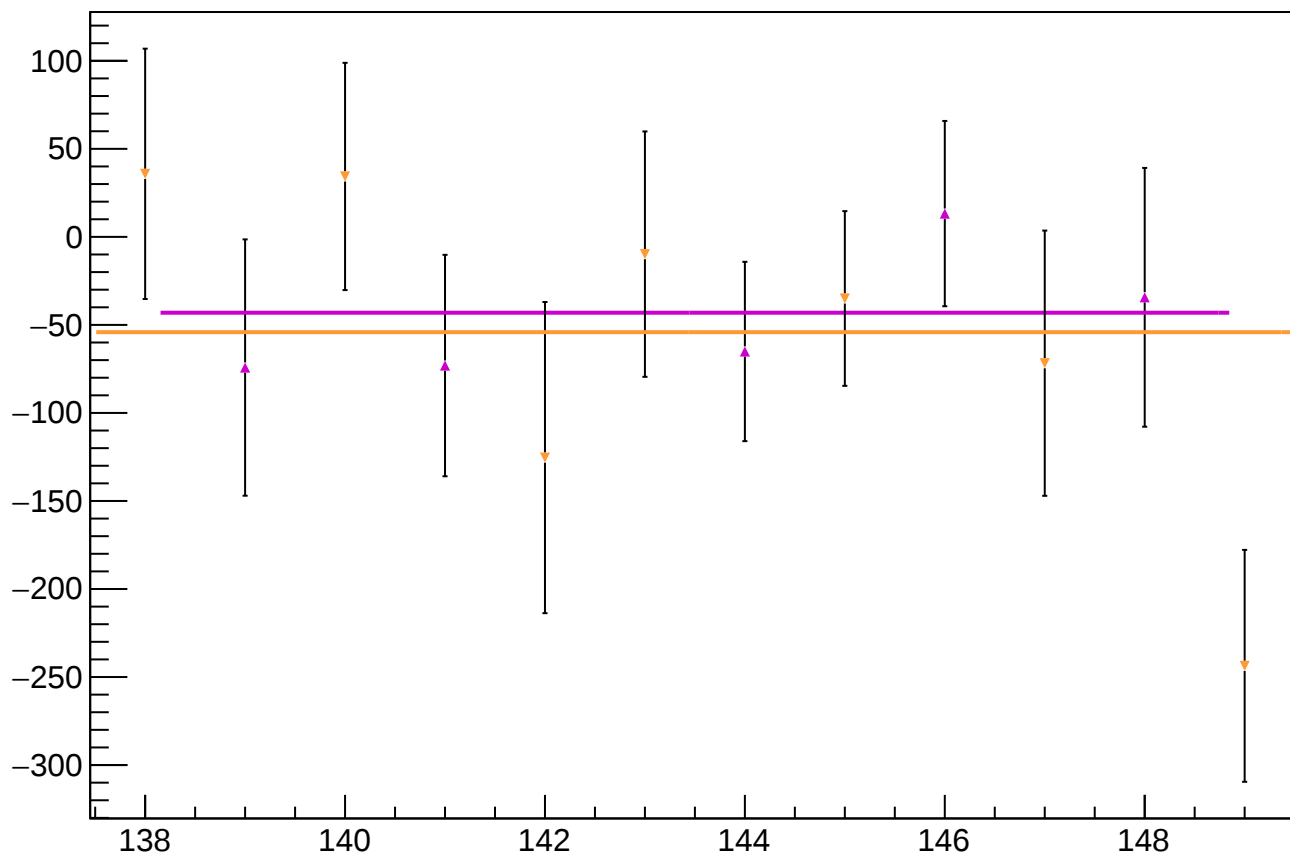
Left In: 354.231+/-0.126 χ^2/NDF : 60854.6/4

338.400+/-0.109 χ^2/NDF : 191057.0/6

345.150+/-0.082 χ^2/NDF : 260981.7/11

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: -54.129+/-25.119 χ^2/NDF :13.0/6

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

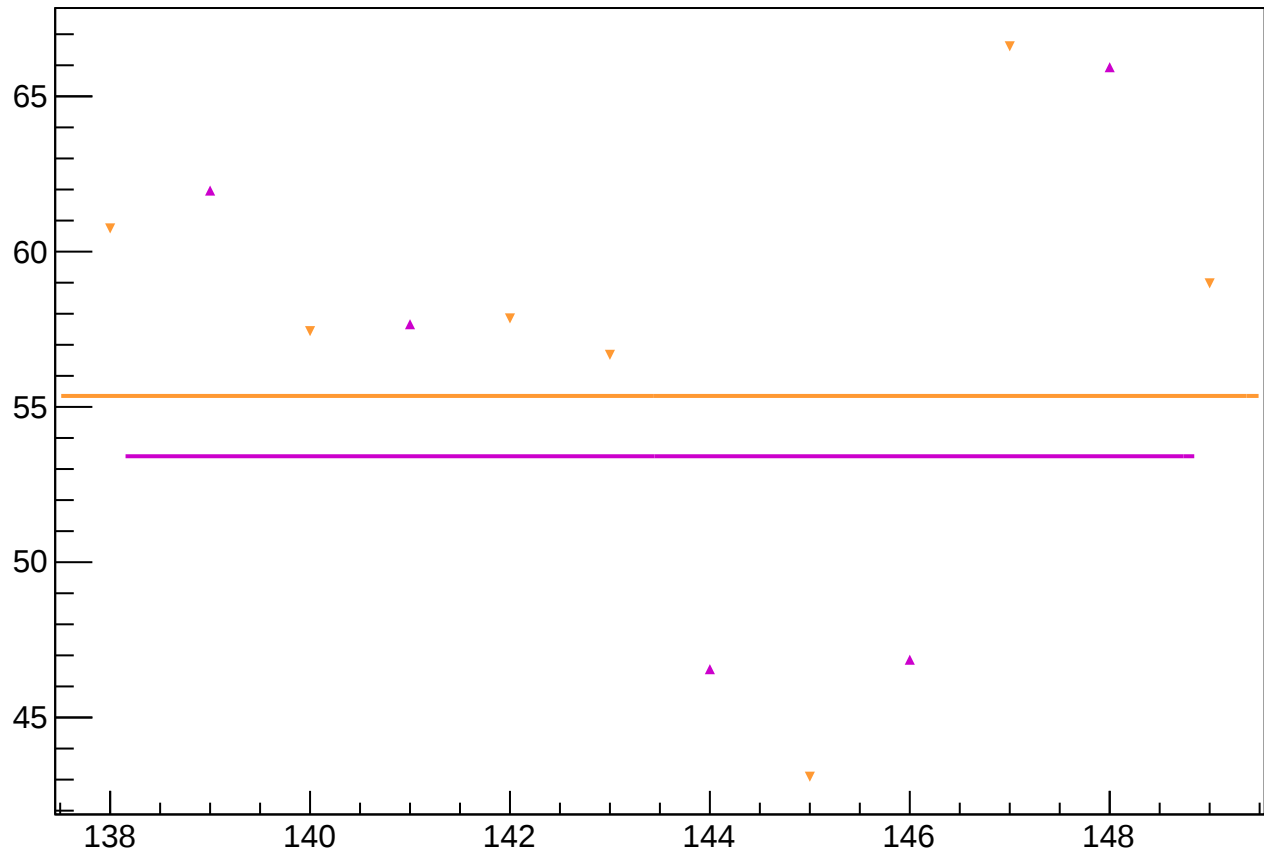
Left In: -43.077+/-26.984 χ^2/NDF :1.8/4

-54.129+/-25.119 χ^2/NDF : 13.0/6

-48.998+/-18.386 χ^2/NDF : 14.9/11

-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: 55.354+/-0.018 χ^2/NDF : 188750.4/6

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

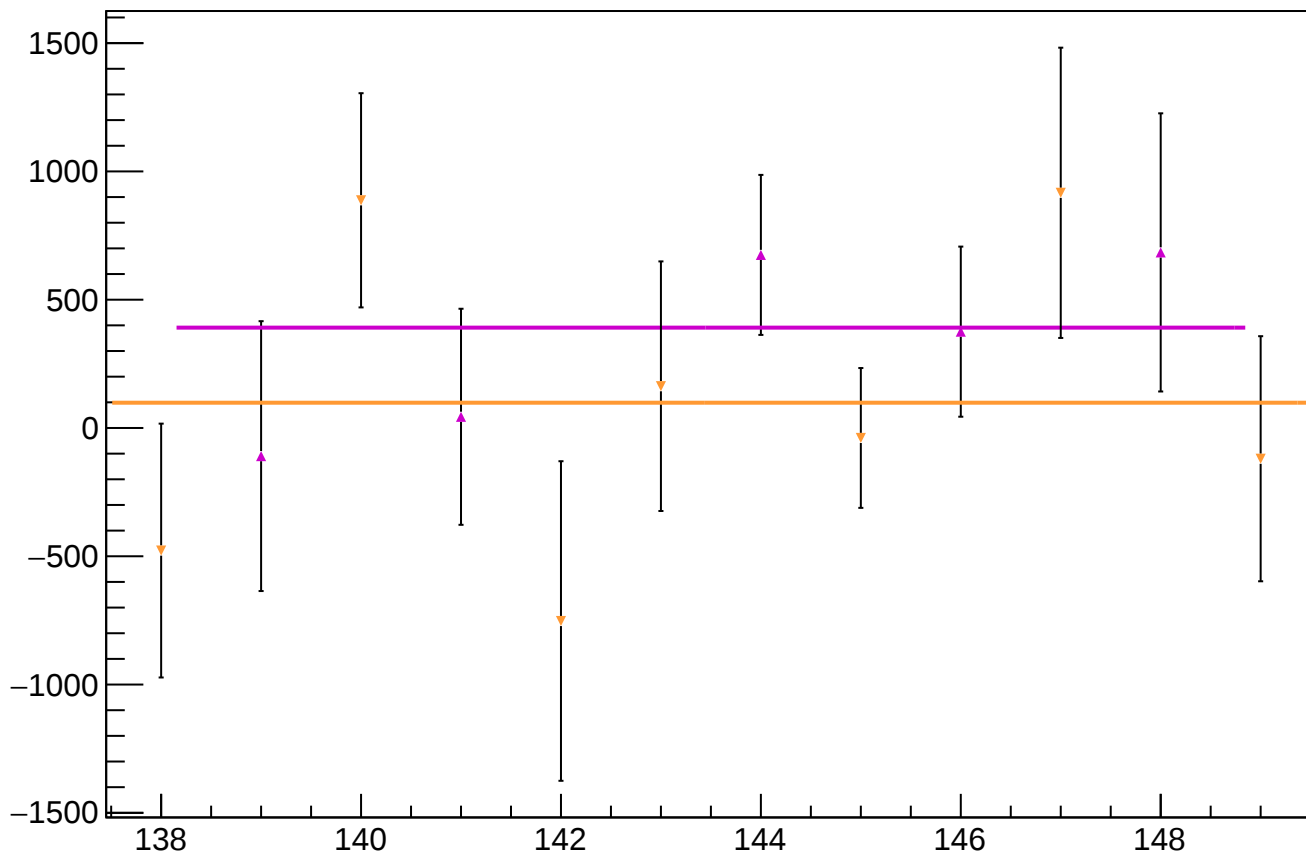
Left In: 53.411+/-0.019 χ^2/NDF : 162107.1/4

55.354+/-0.018 χ^2/NDF : 188750.4/6

54.452+/-0.013 χ^2/NDF : 356407.6/11

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: 98.513+/-163.077 χ^2/NDF : 9.4/6

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

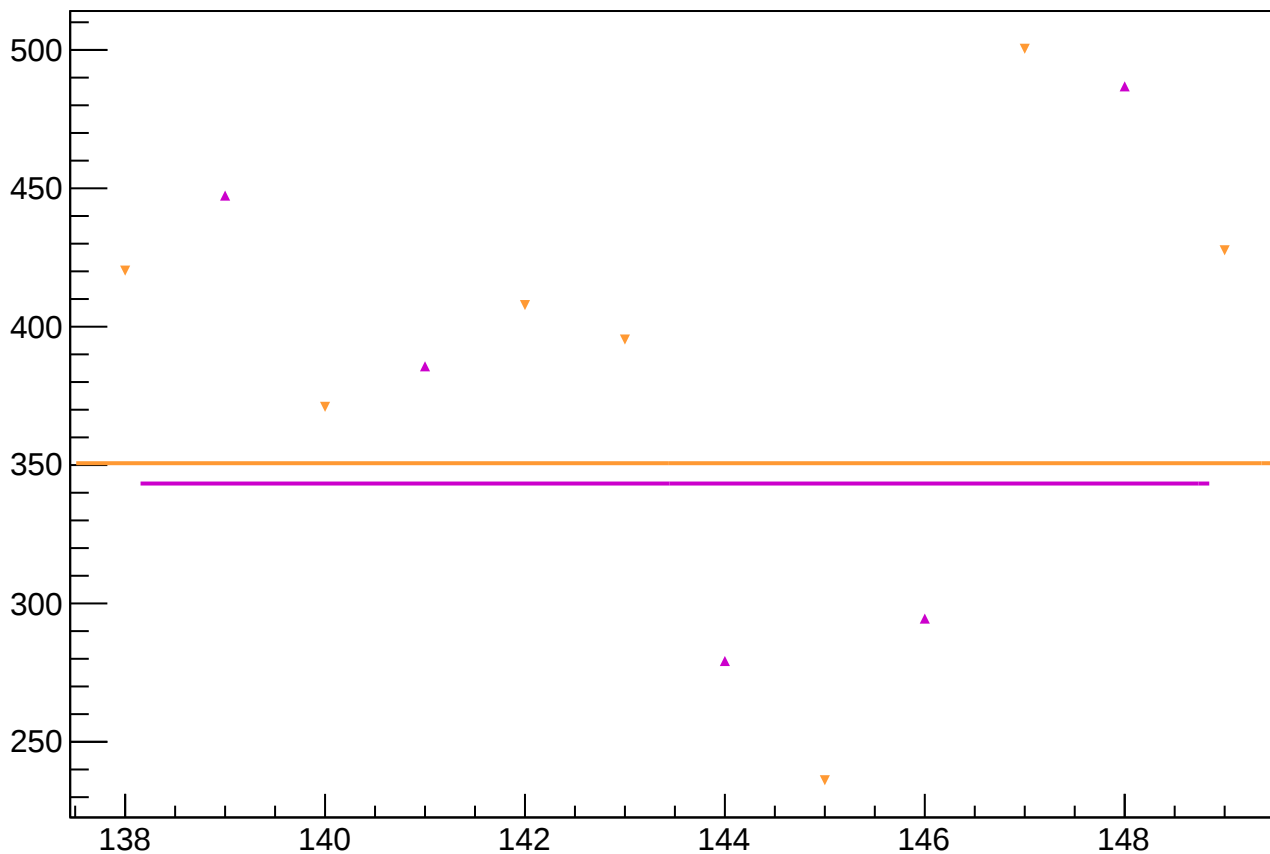
Left In: 391.111+/-176.660 χ^2/NDF : 2.7/4

98.513+/-163.077 χ^2/NDF : 9.4/6

233.132+/-119.827 χ^2/NDF : 13.6/11

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: 350.671+/-0.115 χ^2/NDF : 623548.5/6

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

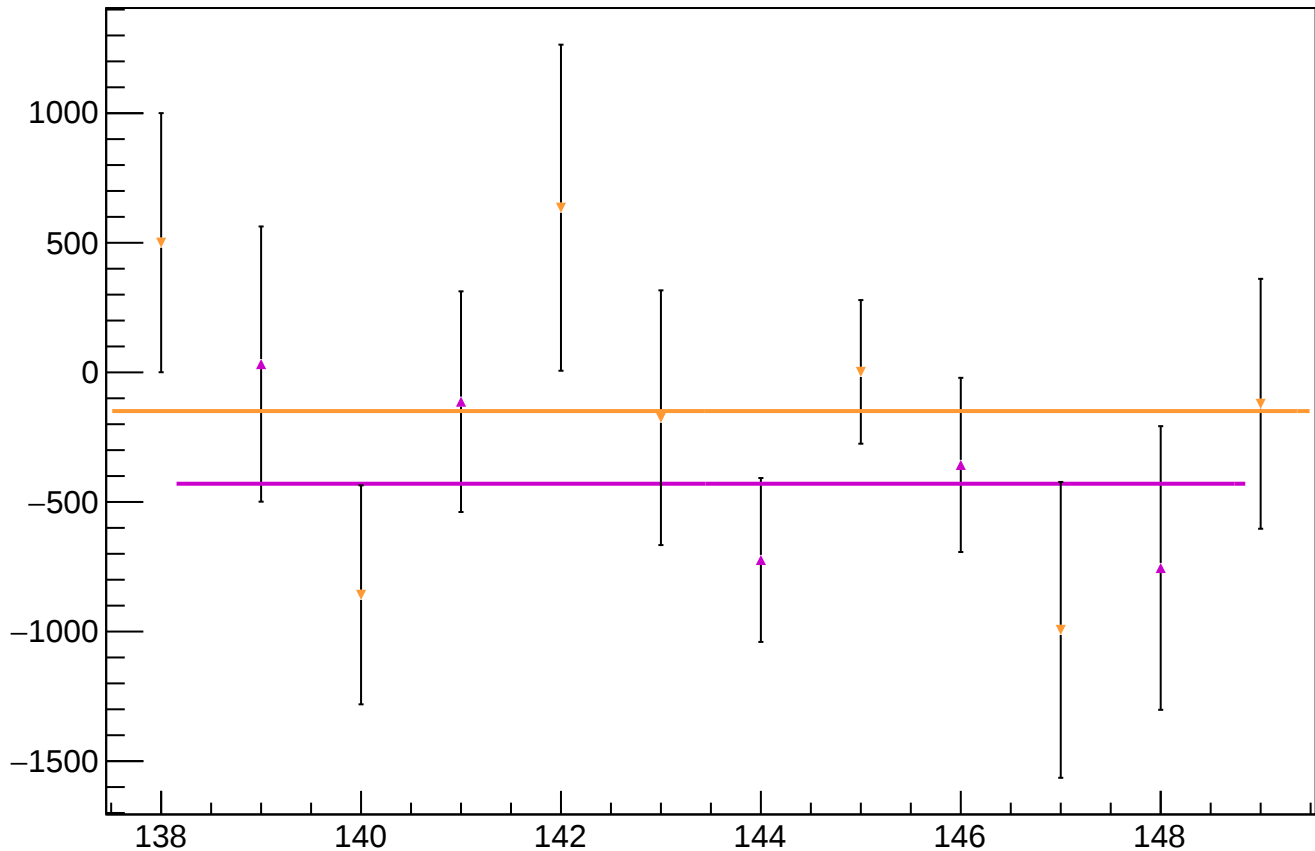
Left In: 343.328+/-0.125 χ^2/NDF : 366619.4/4

350.671+/-0.115 χ^2/NDF : 623548.5/6

347.292+/-0.085 χ^2/NDF : 992033.2/11

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: -149.249+/-165.146 χ^2/NDF : 8.6/6

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

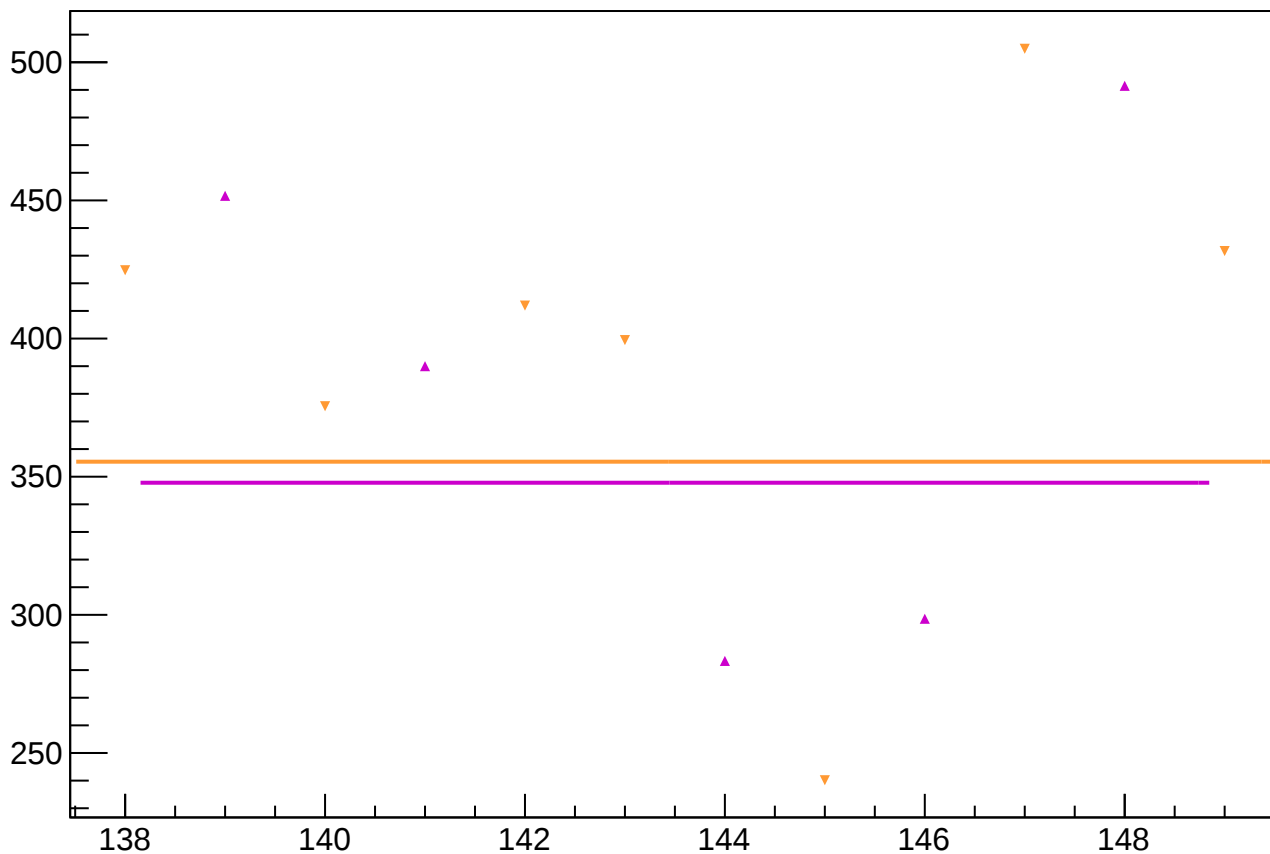
Left In: -429.649+/-178.857 χ^2/NDF : 2.6/4

-149.249+/-165.146 χ^2/NDF : 8.6/6

-278.291+/-121.334 χ^2/NDF : 12.5/11

-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: 355.434+/-0.117 χ^2/NDF : 608482.9/6

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

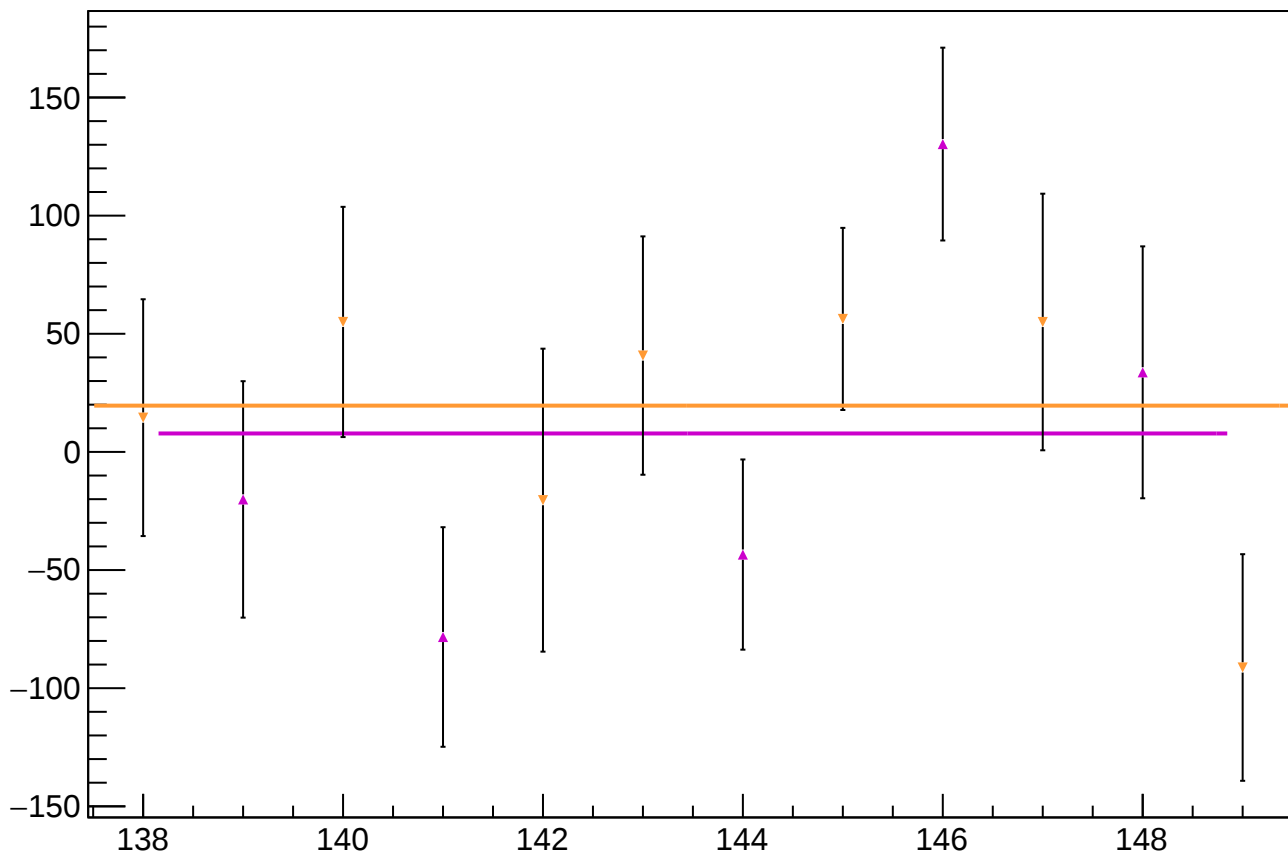
Left In: 347.817+/-0.126 χ^2/NDF : 360099.1/4

355.434+/-0.117 χ^2/NDF : 608482.9/6

351.928+/-0.086 χ^2/NDF : 970539.7/11

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: 19.591+/-18.559 χ^2/NDF : 7.8/6

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

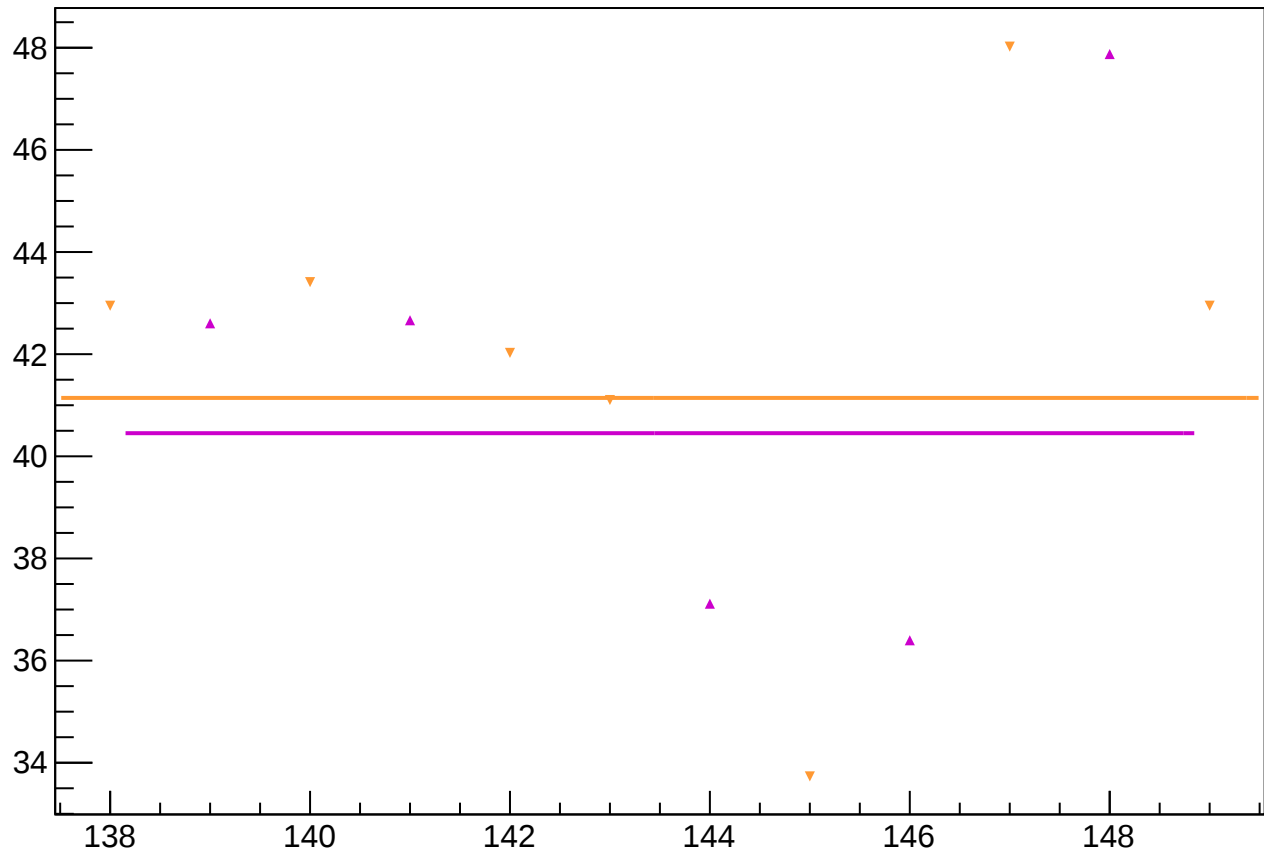
Left In: 7.808+/-20.276 χ^2/NDF : 14.6/4

19.591+/-18.559 χ^2/NDF : 7.8/6

14.219+/-13.690 χ^2/NDF : 22.6/11

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: 41.144+/-0.013 χ^2/NDF : 116195.3/6

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

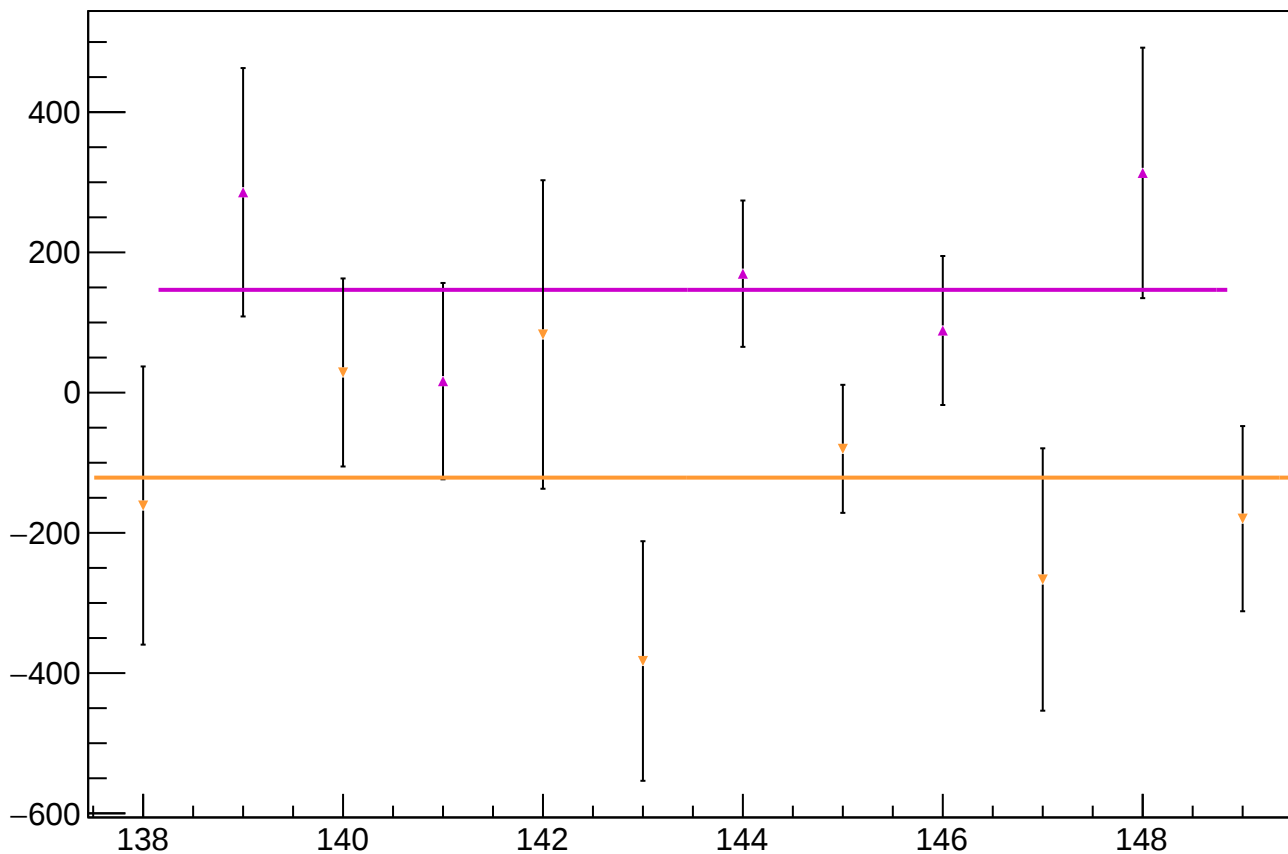
Left In: 40.453+/-0.014 χ^2/NDF : 80526.5/4

41.144+/-0.013 χ^2/NDF : 116195.3/6

40.829+/-0.010 χ^2/NDF : 197985.0/11

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: -121.219+/-54.087 χ^2/NDF : 5.5/6

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

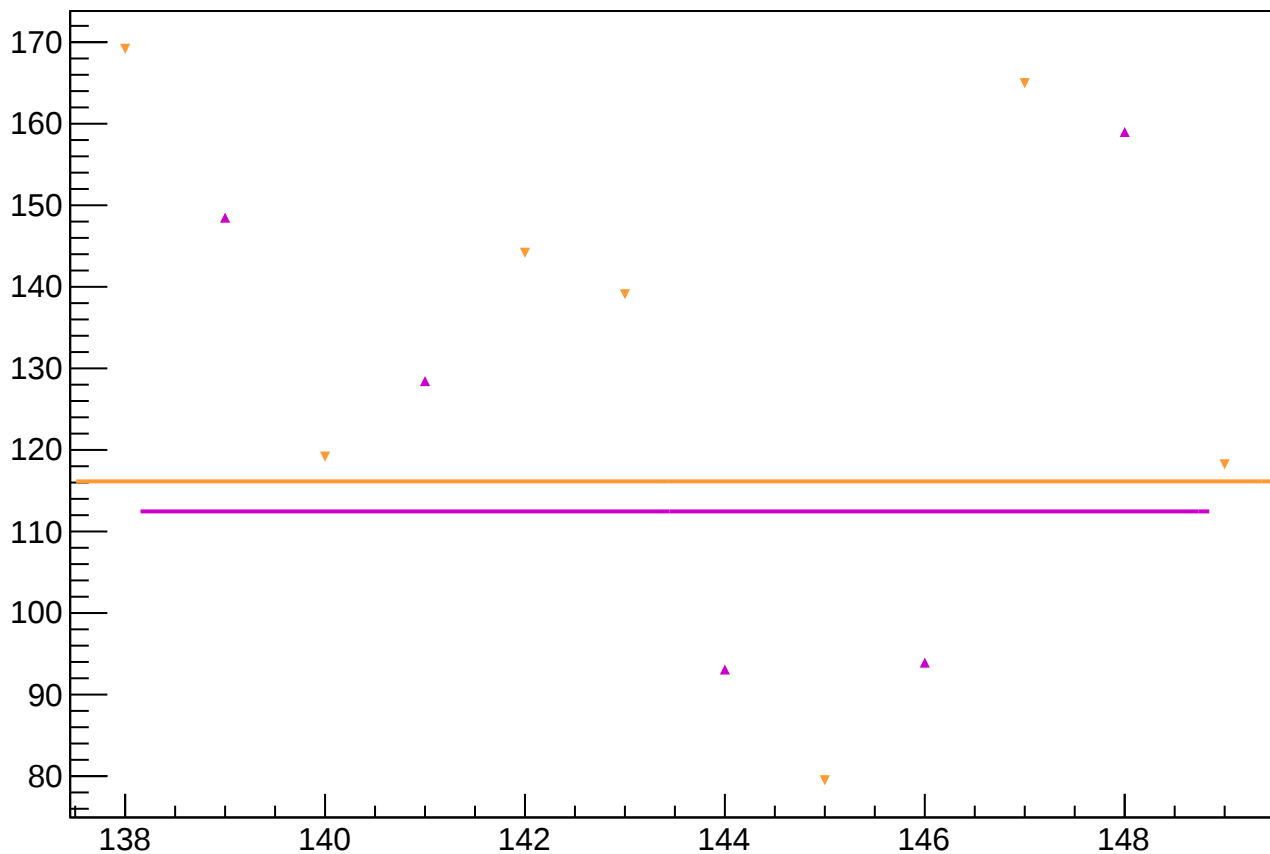
Left In: 146.584+/-58.255 χ^2/NDF : 2.7/4

-121.219+/-54.087 χ^2/NDF : 5.5/6

2.760+/-39.637 χ^2/NDF : 19.5/11

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: 116.141+/-0.038 χ^2/NDF : 671533.7/6

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

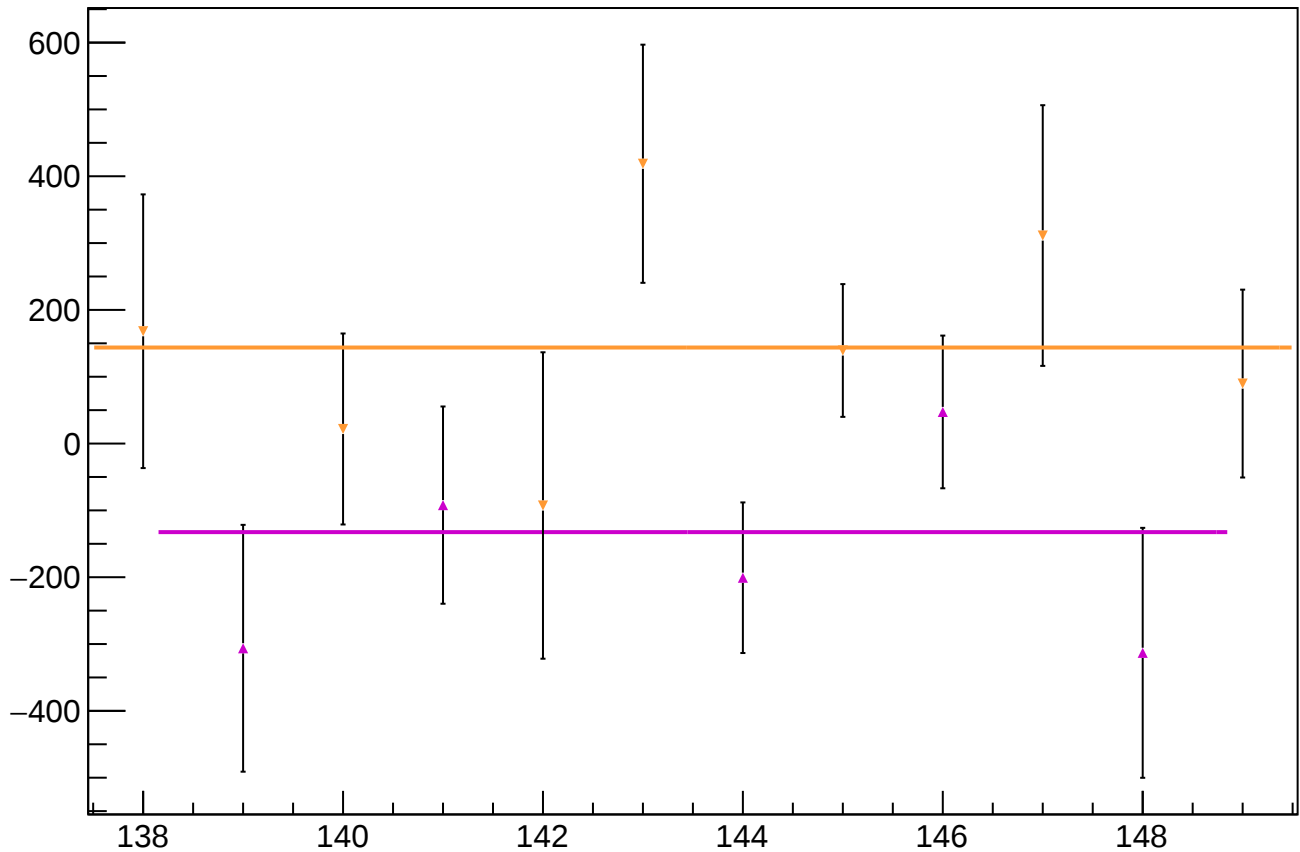
Left In: 112.460+/-0.041 χ^2/NDF : 374397.1/4

116.141+/-0.038 χ^2/NDF : 671533.7/6

114.437+/-0.028 χ^2/NDF : 1050221.2/11

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: 143.716+/-57.581 χ^2/NDF : 5.1/6

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

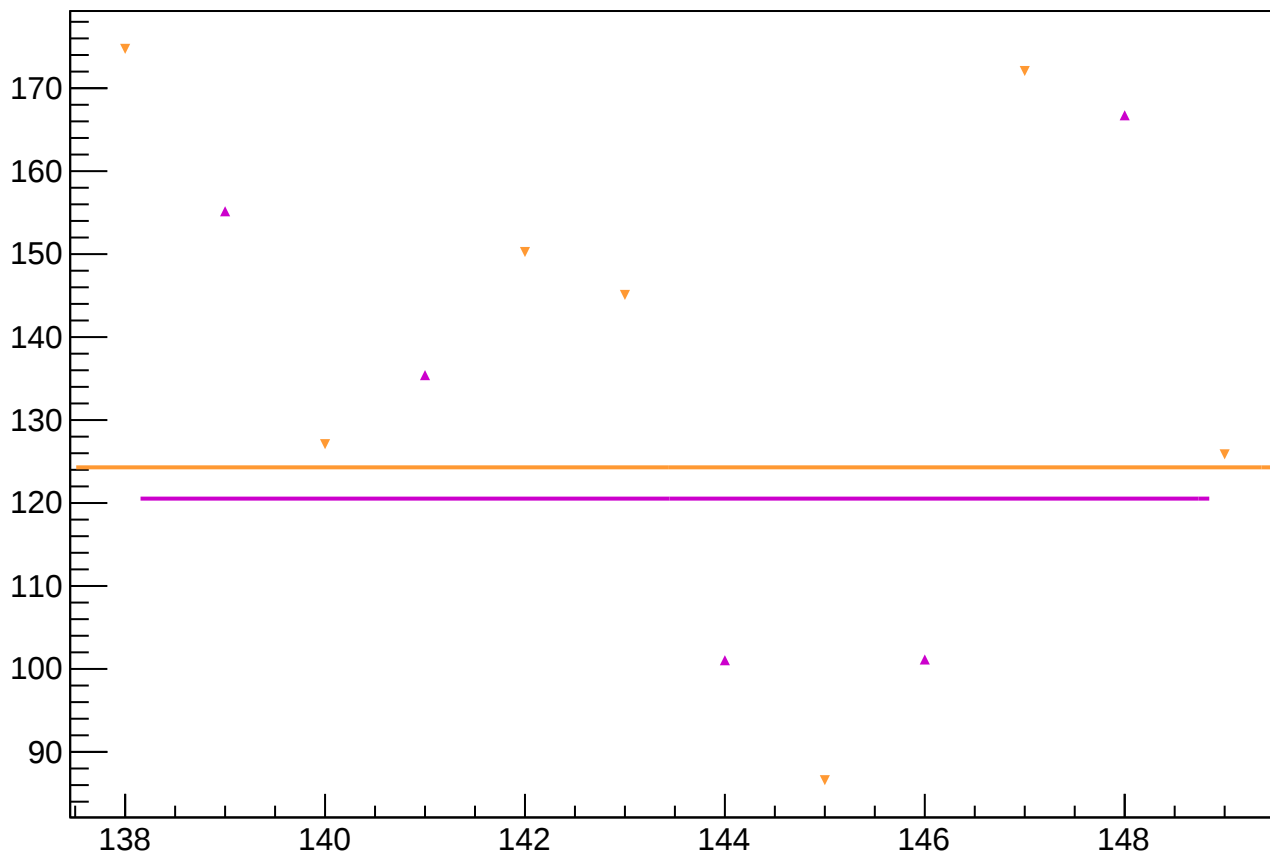
Left In: -132.527+/-62.113 χ^2/NDF : 4.7/4

143.716+/-57.581 χ^2/NDF : 5.1/6

16.039+/-42.228 χ^2/NDF : 20.5/11

-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: 124.300+/-0.041 χ^2/NDF : 583441.8/6

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

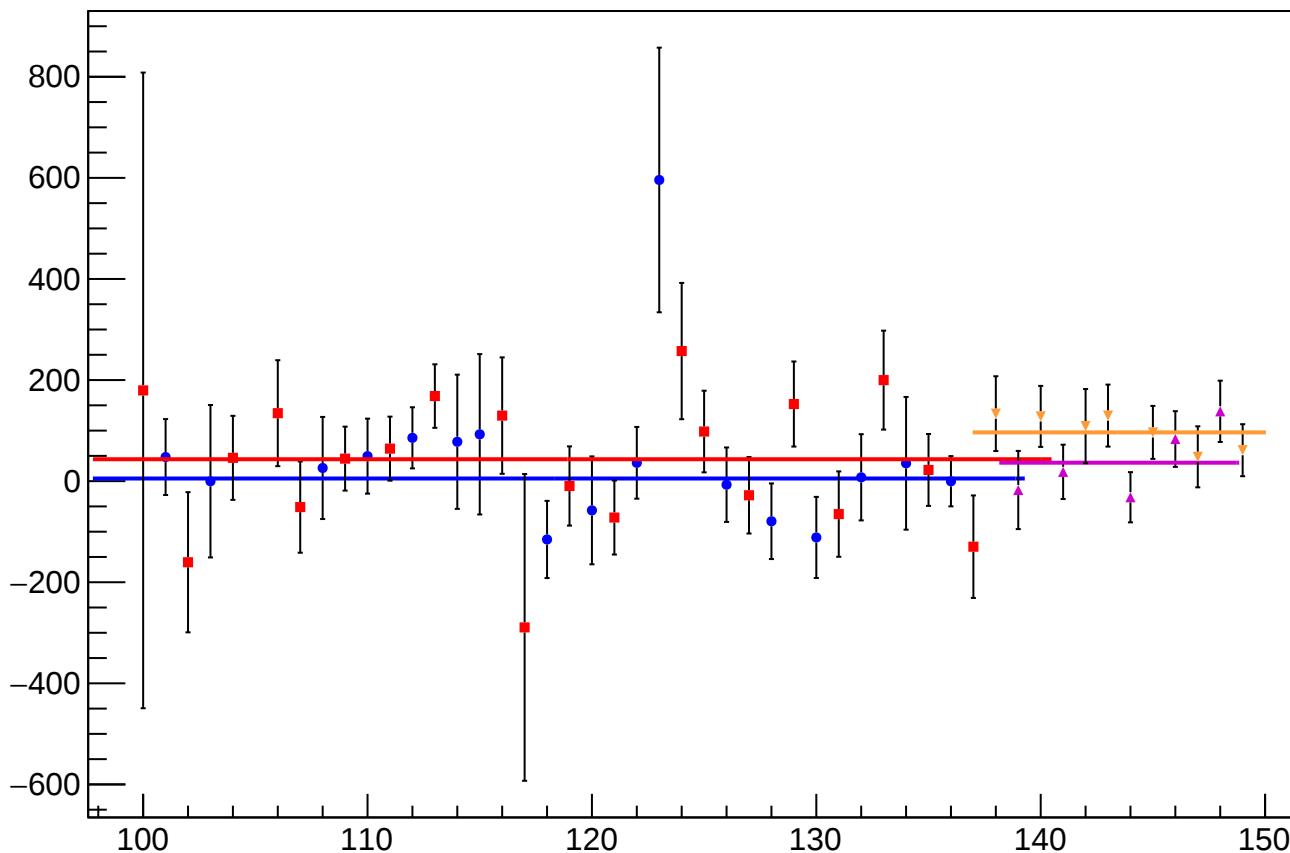
Left In: 120.530+/-0.044 χ^2/NDF : 330143.0/4

124.300+/-0.041 χ^2/NDF : 583441.8/6

122.558+/-0.030 χ^2/NDF : 917545.8/11

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 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 96.487 ± 22.792 $\chi^2/\text{NDF}: 2.0/6$

Right Out: 43.354 ± 19.371 $\chi^2/\text{NDF}: 25.6/19$

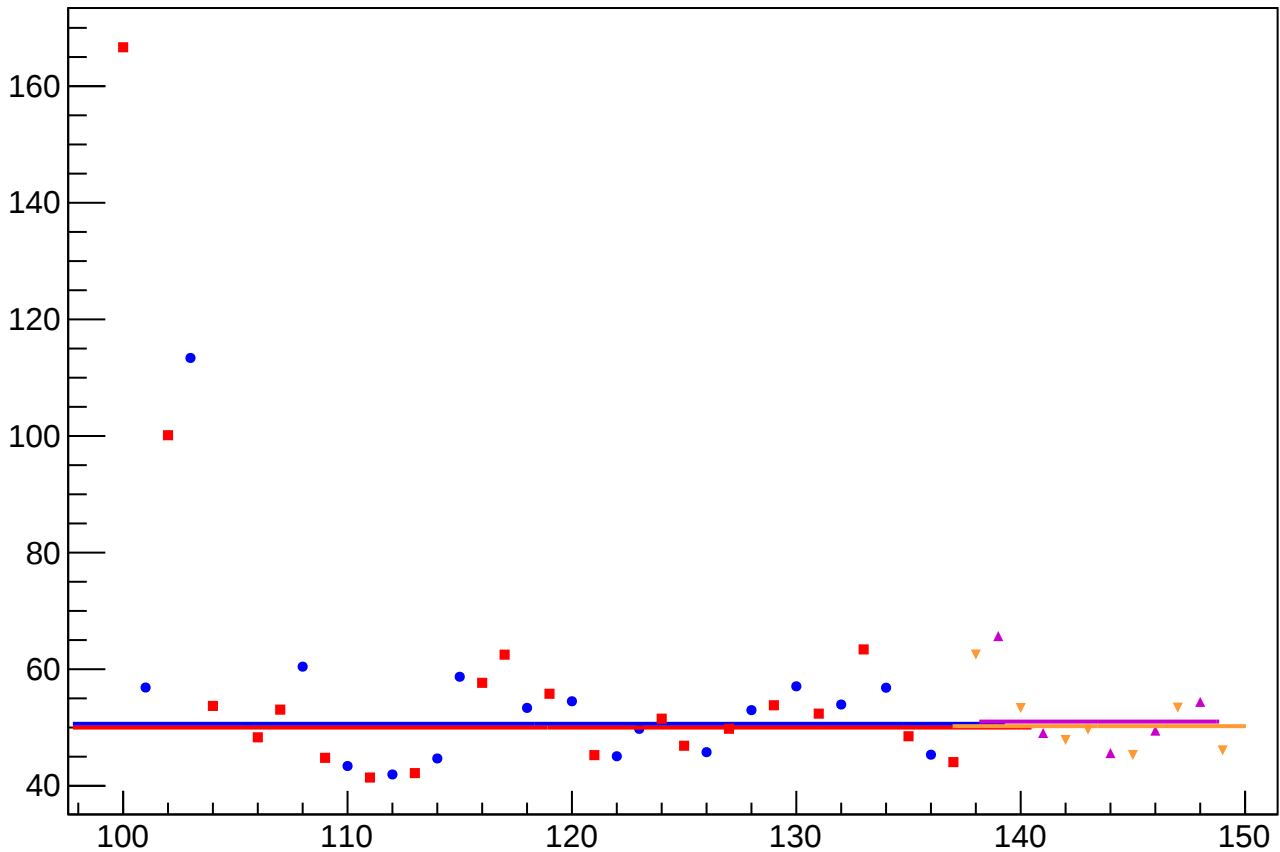
Left In: 36.520 ± 25.650 $\chi^2/\text{NDF}: 6.0/4$

45.260 ± 15.096 $\chi^2/\text{NDF}: 25.7/23$

43.118 ± 10.800 $\chi^2/\text{NDF}: 57.4/48$

40.872 ± 15.458 $\chi^2/\text{NDF}: 31.7/24$

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: 50.234 $\pm$ 0.016 χ^2/NDF : 98983.3/6

Right Out: 49.994 $\pm$ 0.014 χ^2/NDF : 503898.1/19

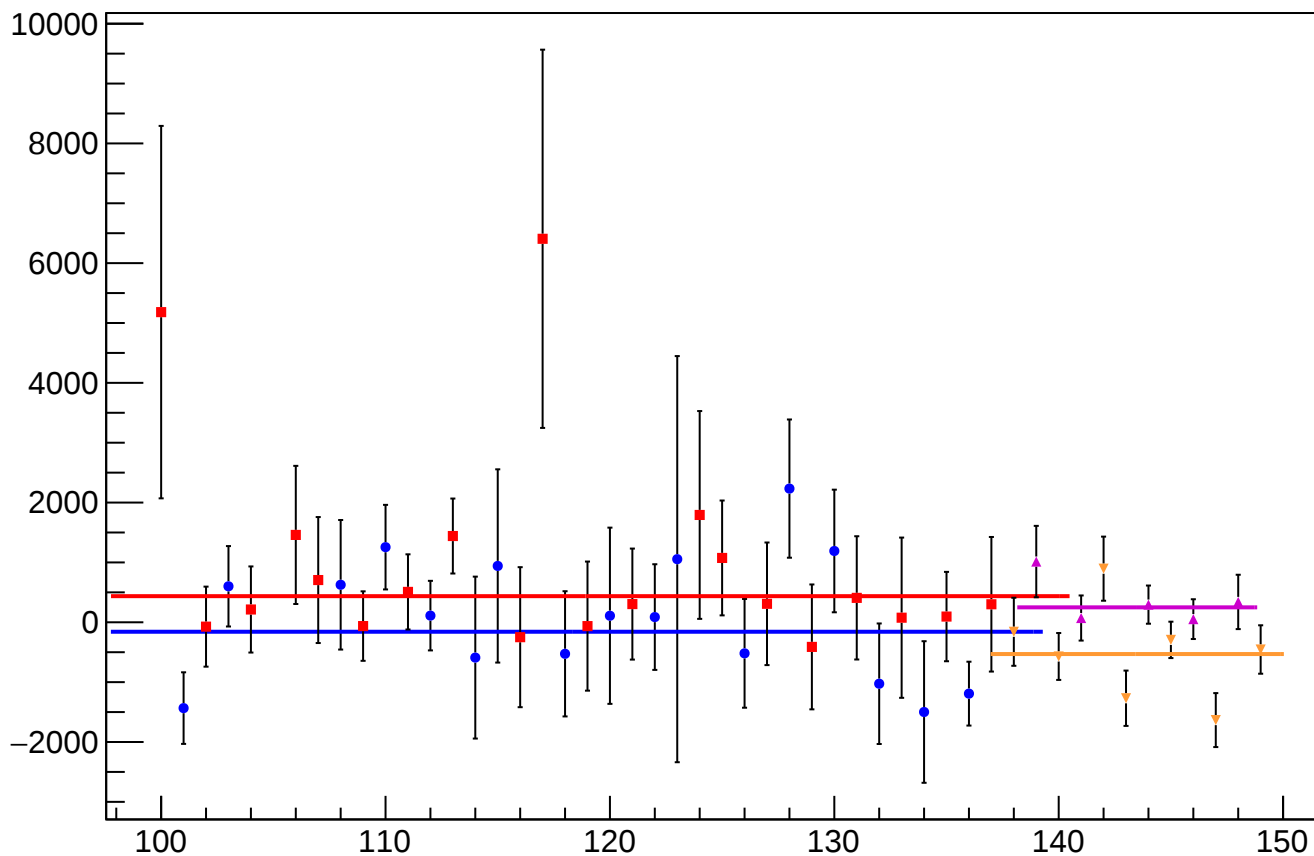
Left In: 51.018 $\pm$ 0.018 χ^2/NDF : 105961.2/4

50.459 $\pm$ 0.011 χ^2/NDF : 619017.9/23

50.413 $\pm$ 0.008 χ^2/NDF : 1230942.9/48

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: -530.607+/-158.827 χ^2/NDF : 16.7/6

Right Out: 436.410+/-203.212 χ^2/NDF : 13.4/19

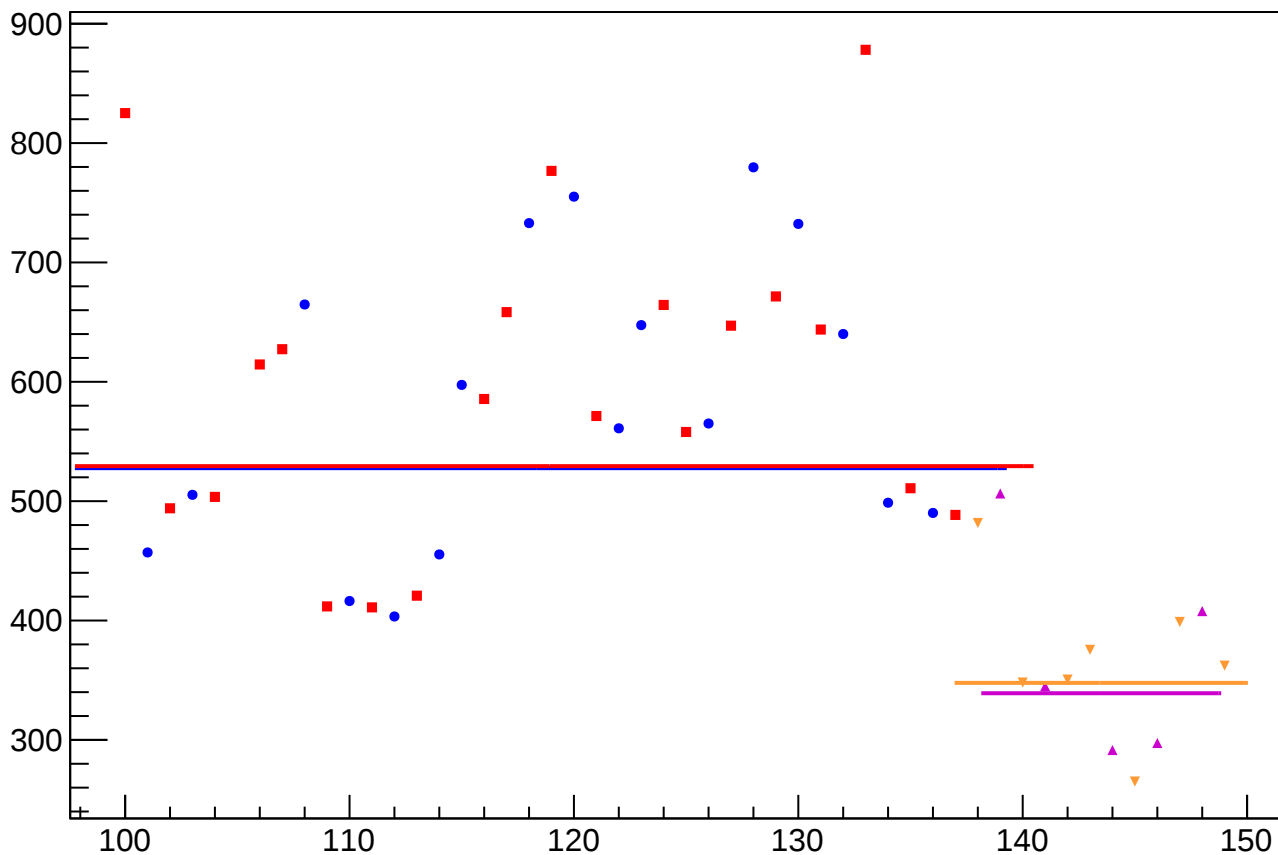
Left In: 249.437+/-172.526 χ^2/NDF : 2.3/4

-395.174+/-126.716 χ^2/NDF : 42.2/23

-47.153+/-91.253 χ^2/NDF : 74.0/48

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: 347.777 $\pm$ 0.112 χ^2 /NDF: 294523.0/6

Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

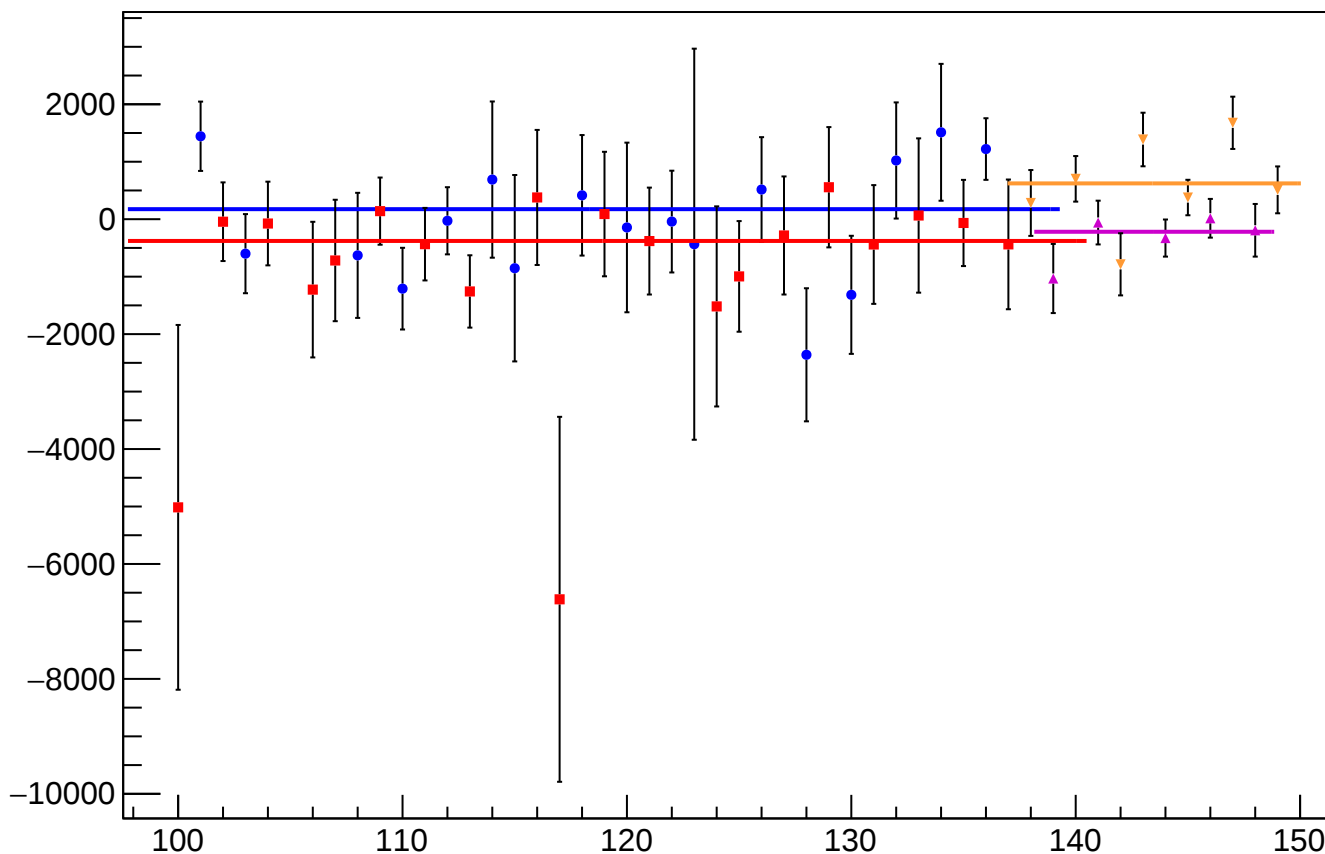
Left In: 339.090 $\pm$ 0.122 χ^2 /NDF: 279918.5/4

413.161 $\pm$ 0.090 χ^2 /NDF: 1784459.5/23

415.867 $\pm$ 0.065 χ^2 /NDF: 3711730.7/48

418.781 $\pm$ 0.093 χ^2 /NDF: 1925377.1/24

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605+/-211.662 χ^2/NDF : 23.7/16

Left Out: 622.942+/-160.589 χ^2/NDF :16.0/6

Right Out: -378.609+/-204.777 χ^2/NDF : 12.3/19

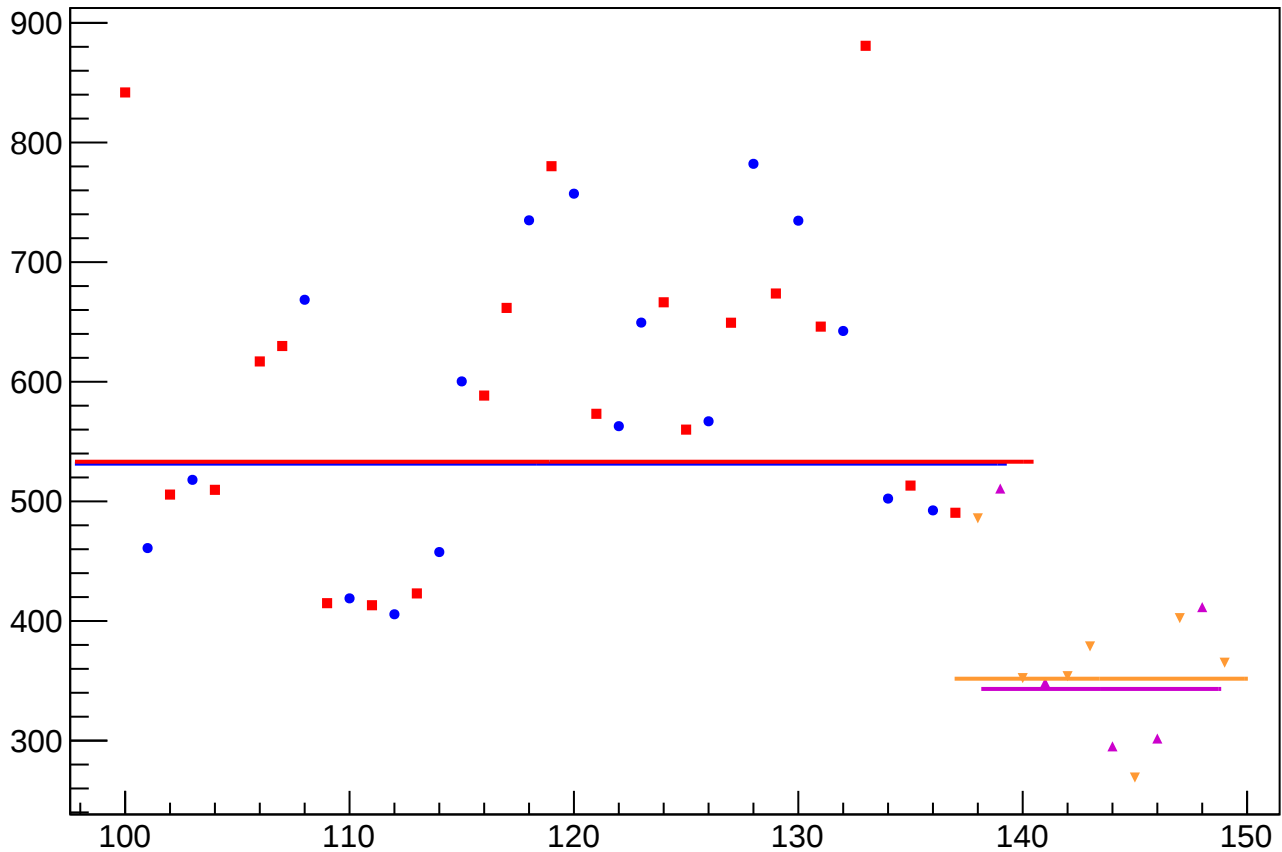
Left In: -218.913+/-174.547 χ^2/NDF :2.6/4

459.150+/-127.935 χ^2/NDF : 42.5/23

100.526+/-92.148 χ^2/NDF : 74.1/48

-286.114+/-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: 351.767 +/- 0.114 χ^2/NDF : 286472.4/6

Right Out: 533.157 +/- 0.145 χ^2/NDF : 619038.4/19

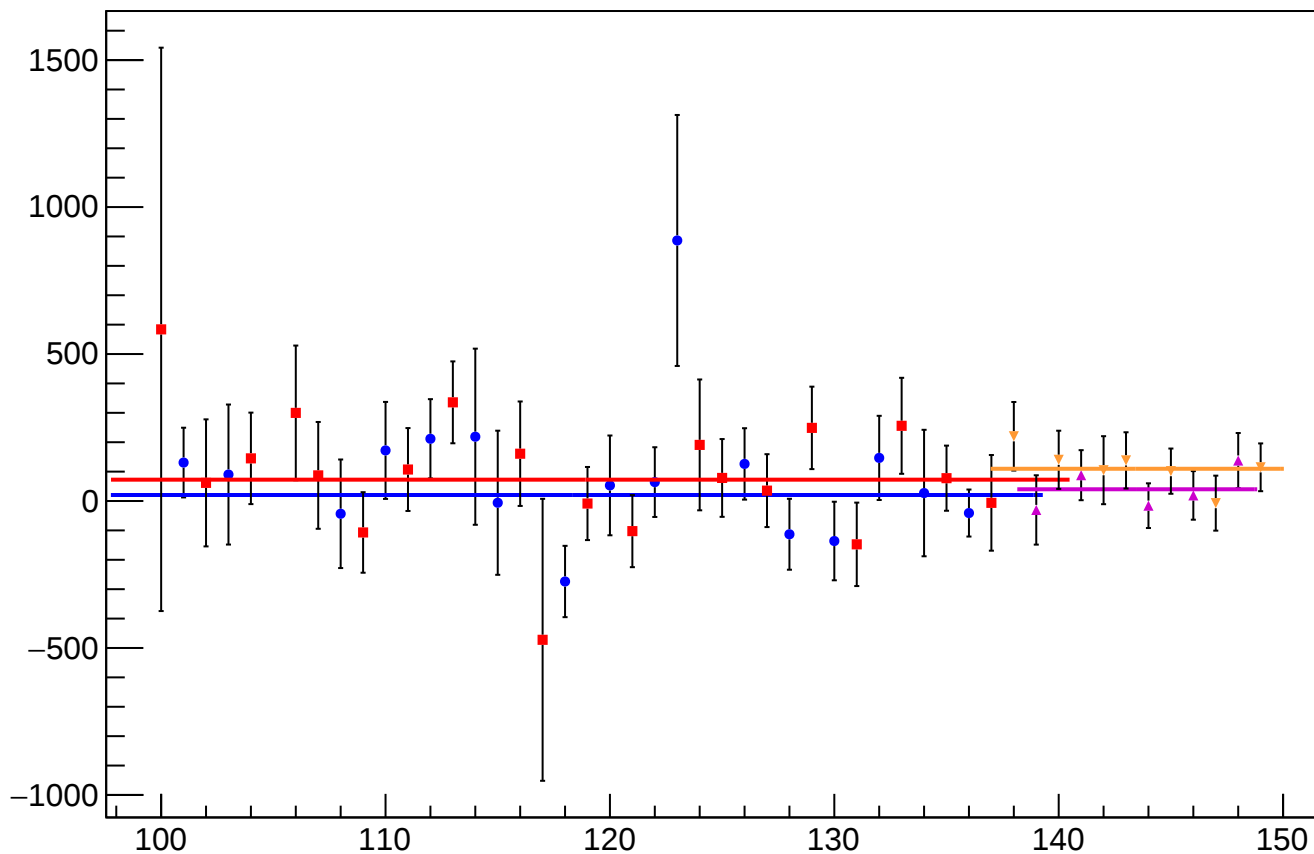
Left In: 343.210 +/- 0.123 χ^2/NDF : 274572.4/4

417.449 +/- 0.090 χ^2/NDF : 1752371.1/23

420.188 +/- 0.065 χ^2/NDF : 3644573.8/48

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: 109.684 $\pm$ 35.484 χ^2 /NDF: 2.7/6

Right Out: 72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

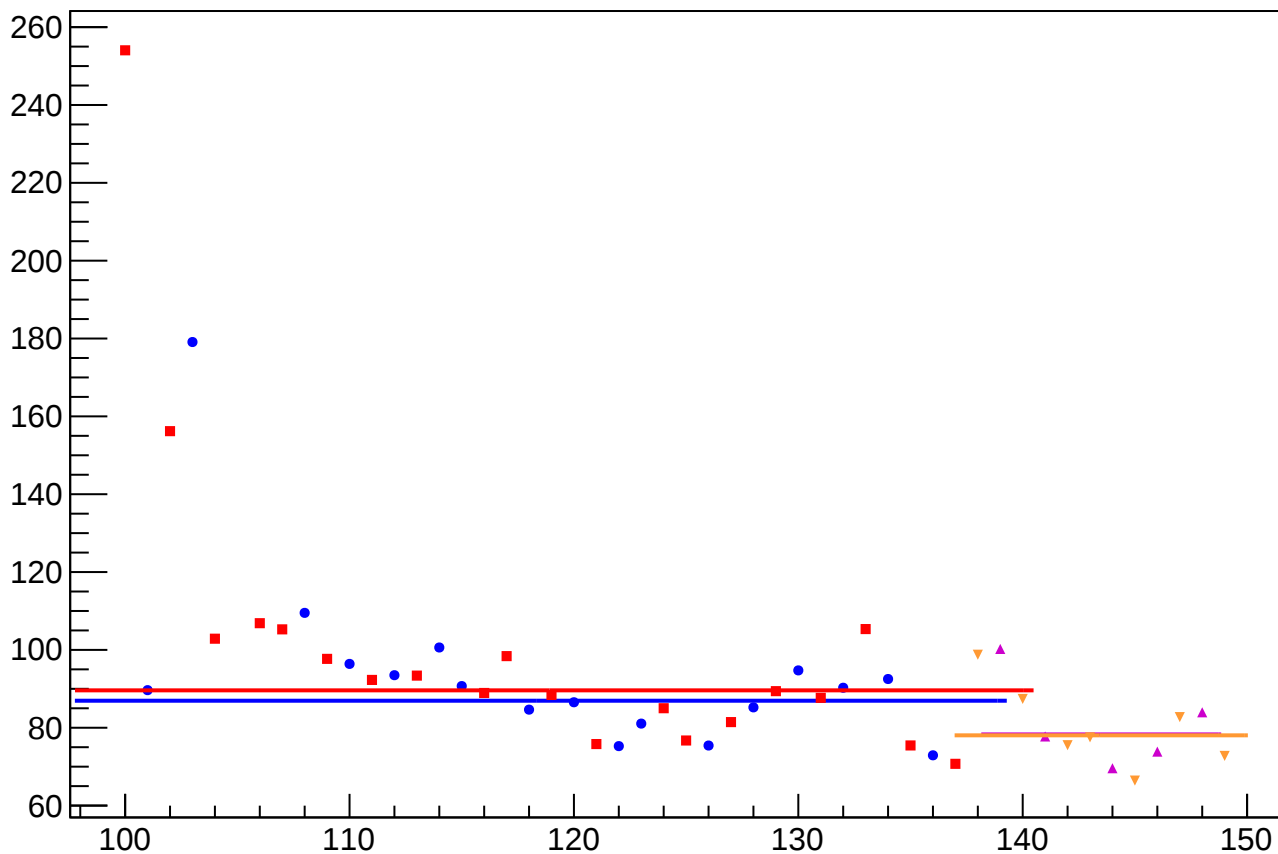
Left In: 39.919 $\pm$ 39.426 χ^2 /NDF: 2.4/4

63.916 $\pm$ 24.766 χ^2 /NDF: 25.2/23

61.283 $\pm$ 17.936 χ^2 /NDF: 44.6/48

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 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 78.050 $\pm$ 0.025 χ^2 /NDF: 141084.6/6

Right Out: 89.607 $\pm$ 0.024 χ^2 /NDF: 431905.8/19

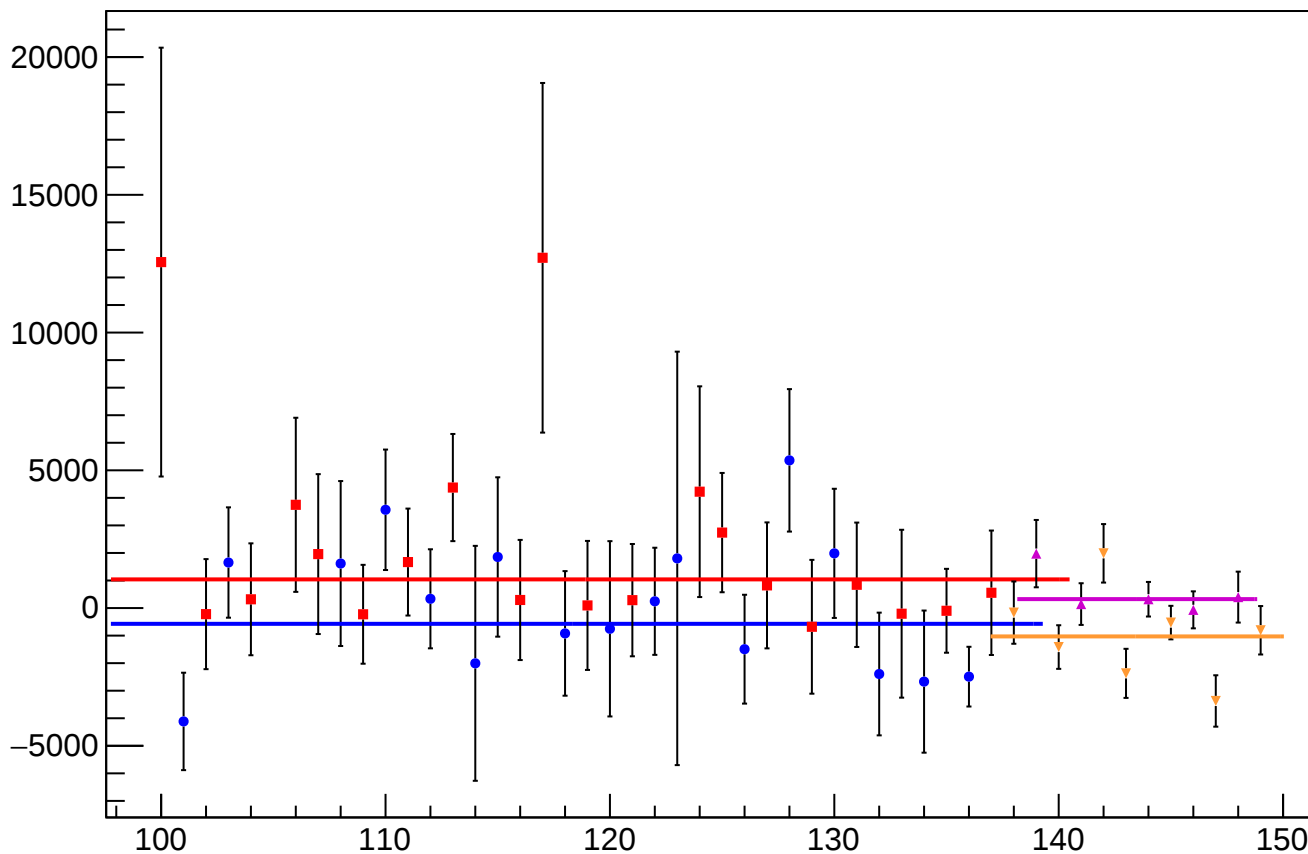
Left In: 78.291 $\pm$ 0.028 χ^2 /NDF: 108595.6/4

82.611 $\pm$ 0.018 χ^2 /NDF: 661312.4/23

83.596 $\pm$ 0.013 χ^2 /NDF: 1301524.5/48

84.682 $\pm$ 0.018 χ^2 /NDF: 633557.3/24

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 ± 517.020 $\chi^2/\text{NDF}: 21.9/16$

Left Out: -1029.609 ± 321.595 $\chi^2/\text{NDF}: 18.2/6$

Right Out: 1040.618 ± 512.937 $\chi^2/\text{NDF}: 13.5/19$

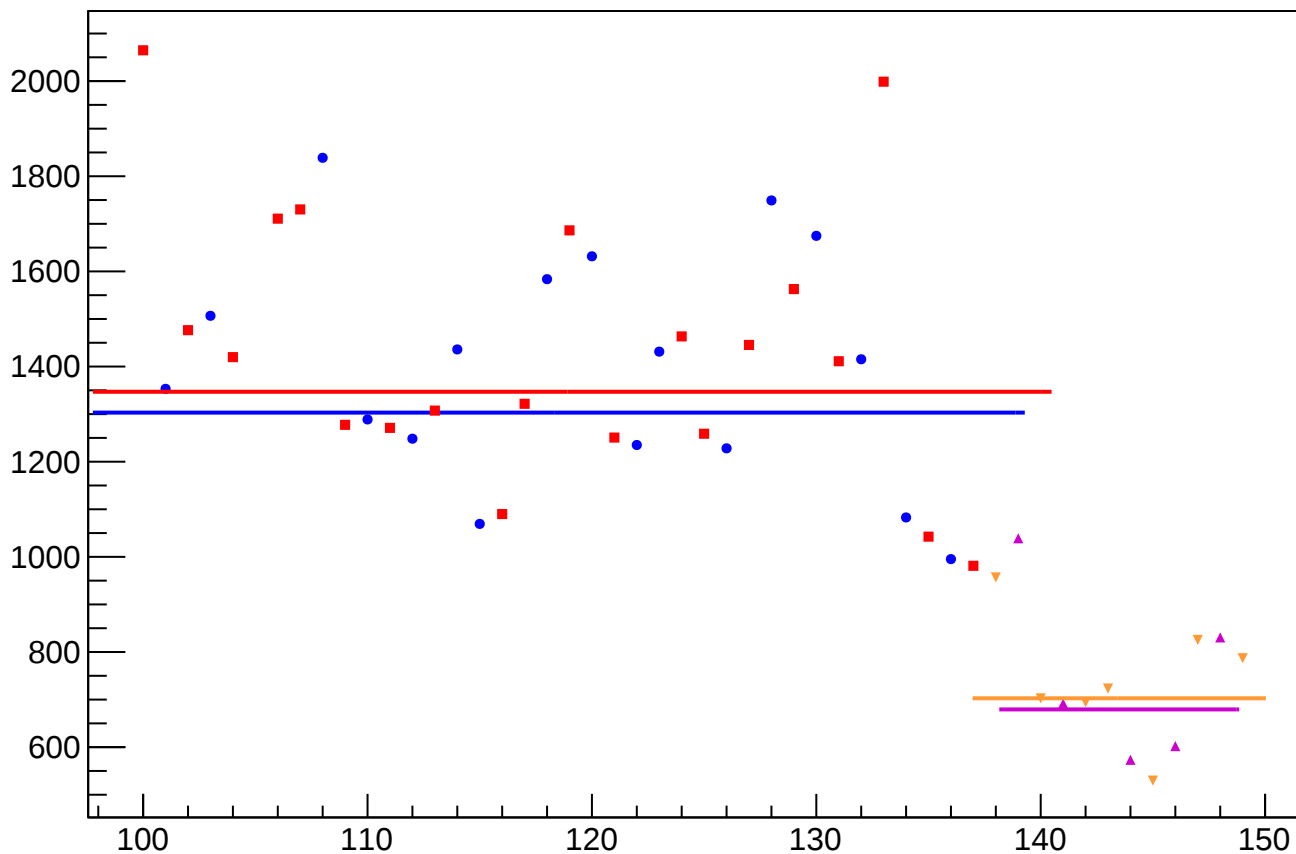
Left In: 324.741 ± 346.242 $\chi^2/\text{NDF}: 2.2/4$

-902.045 ± 273.078 $\chi^2/\text{NDF}: 40.7/23$

-212.602 ± 197.827 $\chi^2/\text{NDF}: 71.1/48$

548.826 ± 286.980 $\chi^2/\text{NDF}: 17.1/24$

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 702.717+/-0.227 χ^2/NDF : 316823.9/6

Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

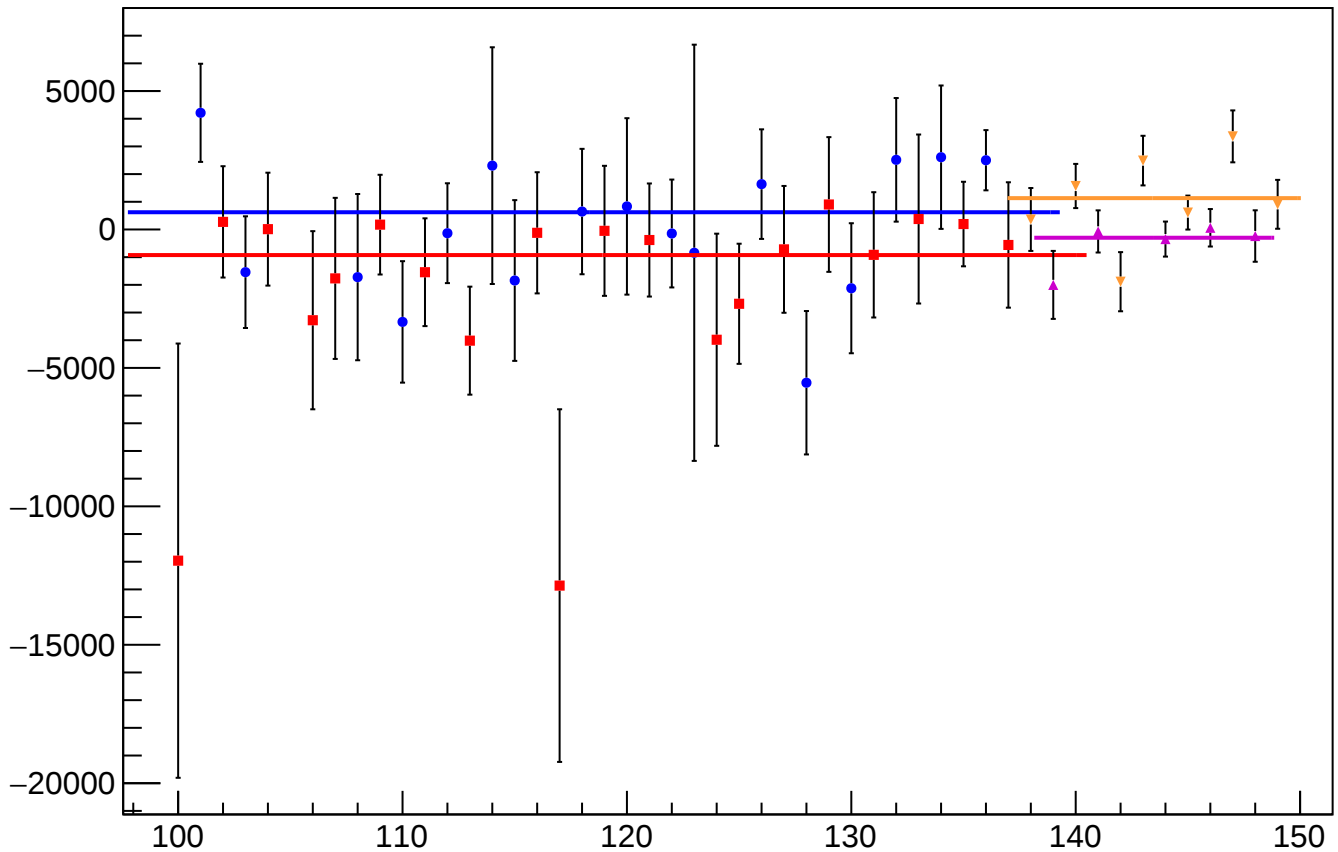
Left In: 679.331+/-0.245 χ^2/NDF : 310619.5/4

870.234+/-0.193 χ^2/NDF : 2714019.1/23

878.833+/-0.140 χ^2/NDF : 5777603.4/48

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: 1131.773 $\pm$ 323.710 χ^2 /NDF: 17.5/6

Right Out: -924.488 $\pm$ 514.636 χ^2 /NDF: 12.6/19

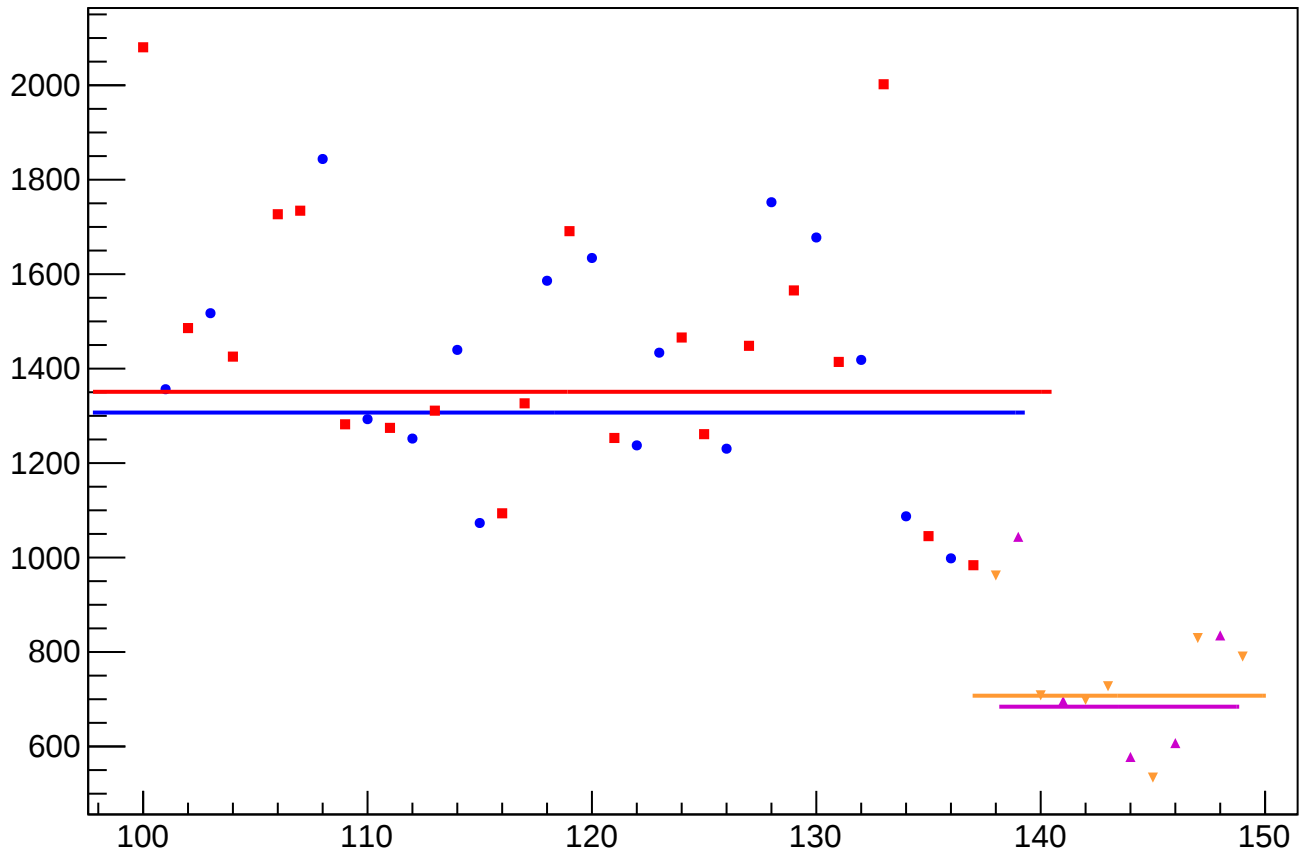
Left In: -298.703 $\pm$ 348.647 χ^2 /NDF: 2.3/4

988.916 $\pm$ 274.589 χ^2 /NDF: 40.1/23

283.703 $\pm$ 198.947 χ^2 /NDF: 70.0/48

-495.562 $\pm$ 288.646 χ^2 /NDF: 15.9/24

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 ± 0.367 χ^2/NDF : 451191.7/16

Left Out: 707.486 ± 0.229 χ^2/NDF : 312683.7/6

Right Out: 1350.936 ± 0.364 χ^2/NDF : 421834.2/19

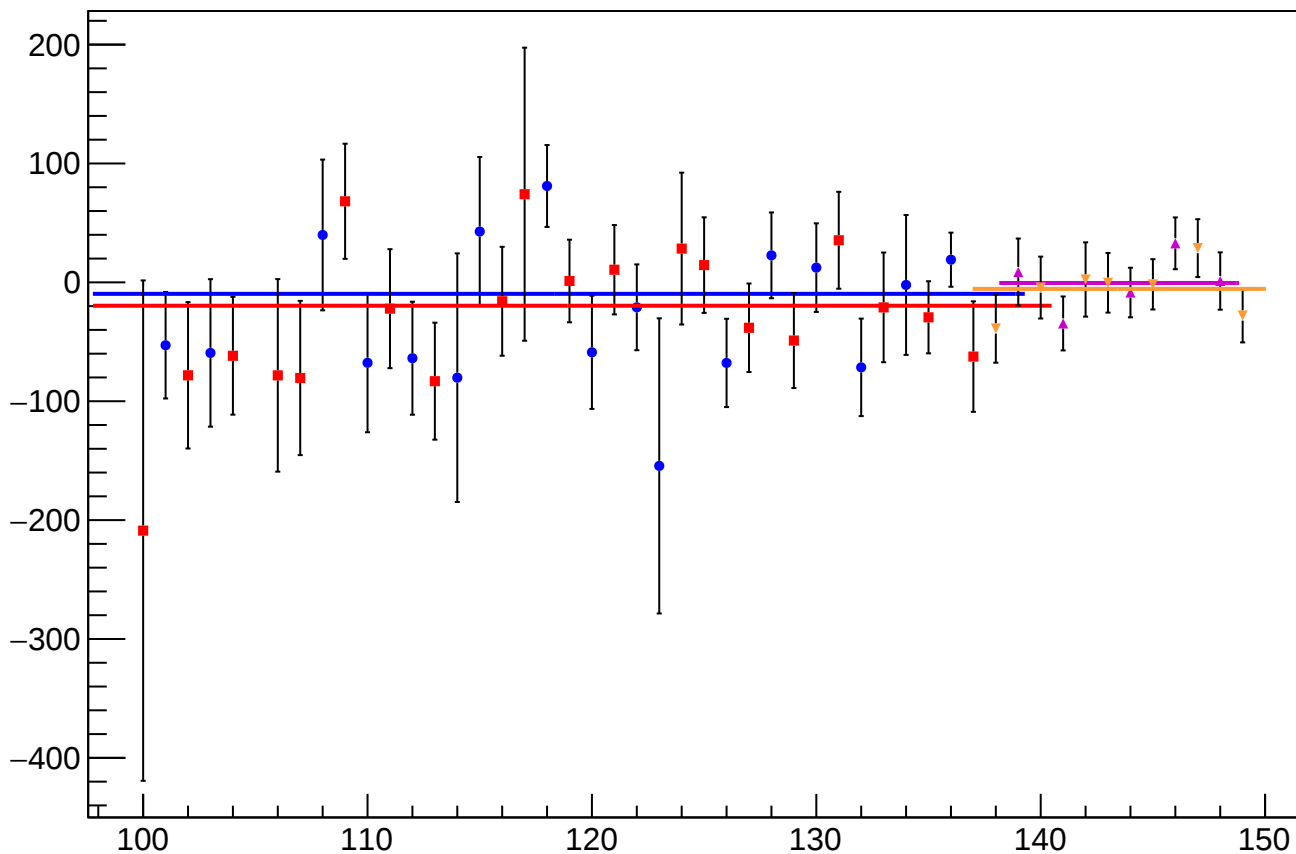
Left In: 684.217 ± 0.247 χ^2/NDF : 307351.0/4

875.622 ± 0.194 χ^2/NDF : 2687692.1/23

884.330 ± 0.141 χ^2/NDF : 5721874.3/48

893.953 ± 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: -5.477 ± 9.460 χ^2/NDF : 4.4/6

Right Out: -19.662 ± 10.406 χ^2/NDF : 15.2/19

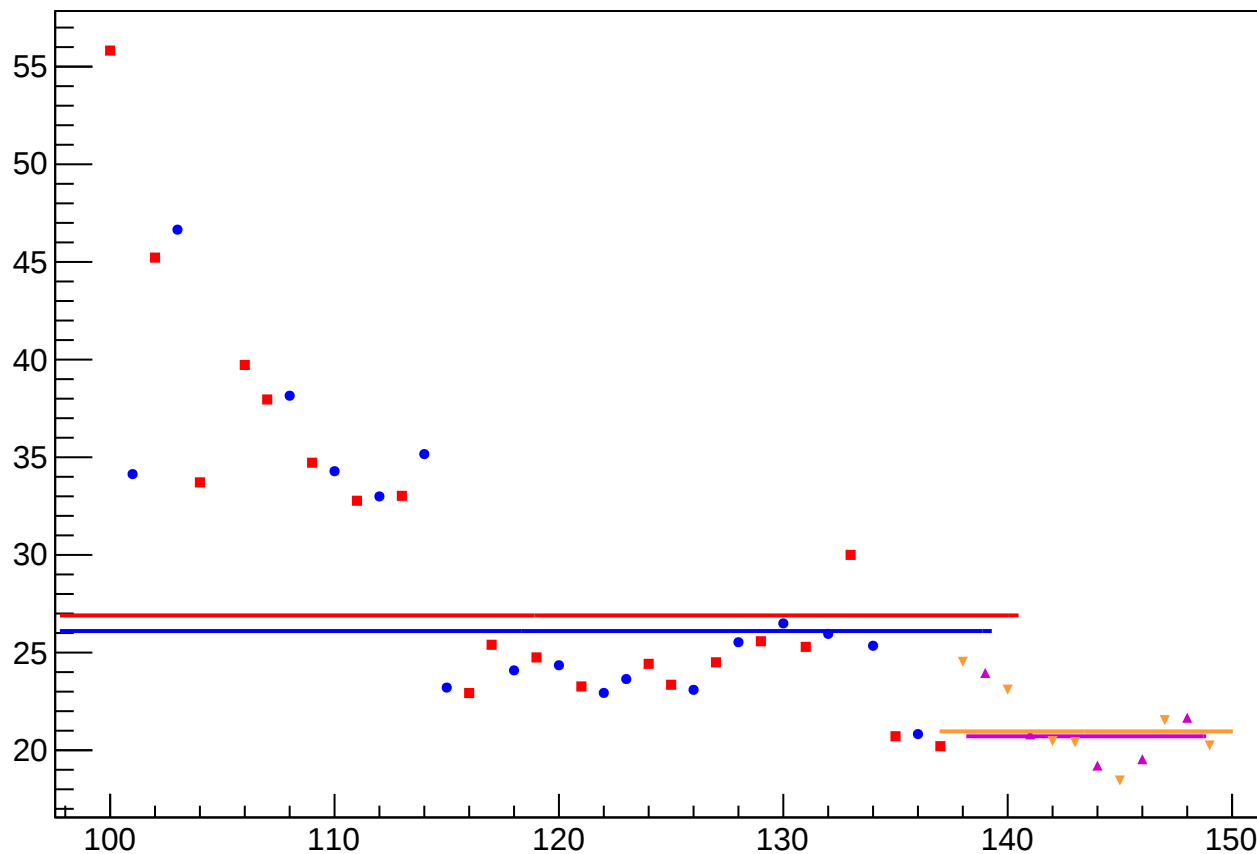
Left In: -0.506 ± 10.357 χ^2/NDF : 4.9/4

-7.373 ± 7.000 χ^2/NDF : 27.1/23

-8.643 ± 5.066 χ^2/NDF : 49.0/48

-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: 20.965 ± 0.007 χ^2/NDF : 77060.3/6

Right Out: 26.903 ± 0.007 χ^2/NDF : 679269.9/19

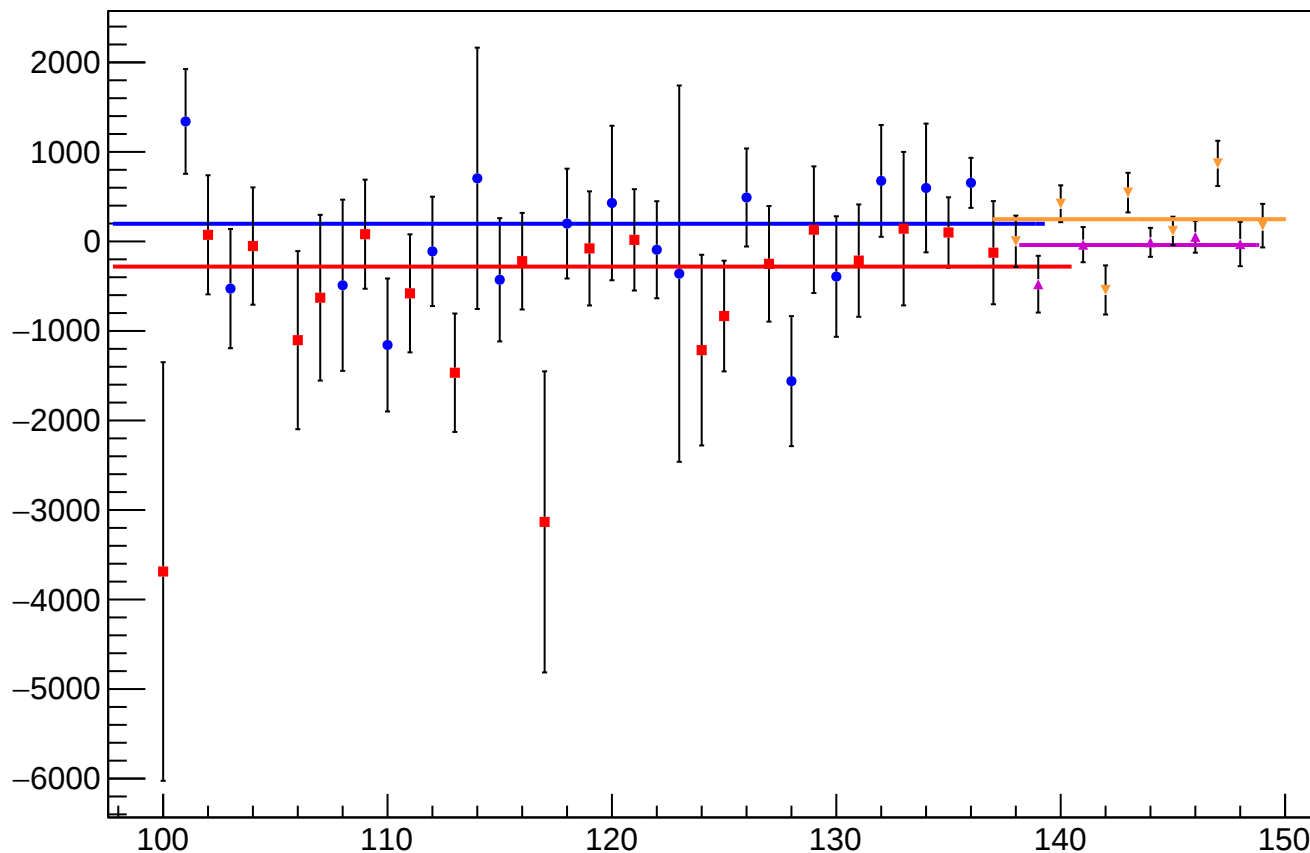
Left In: 20.714 ± 0.007 χ^2/NDF : 45757.1/4

23.289 ± 0.005 χ^2/NDF : 947969.7/23

23.529 ± 0.004 χ^2/NDF : 2033357.4/48

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: 248.392 $\pm$ 84.021 χ^2/NDF : 18.4/6

Right Out: -281.185 $\pm$ 149.275 χ^2/NDF : 13.6/19

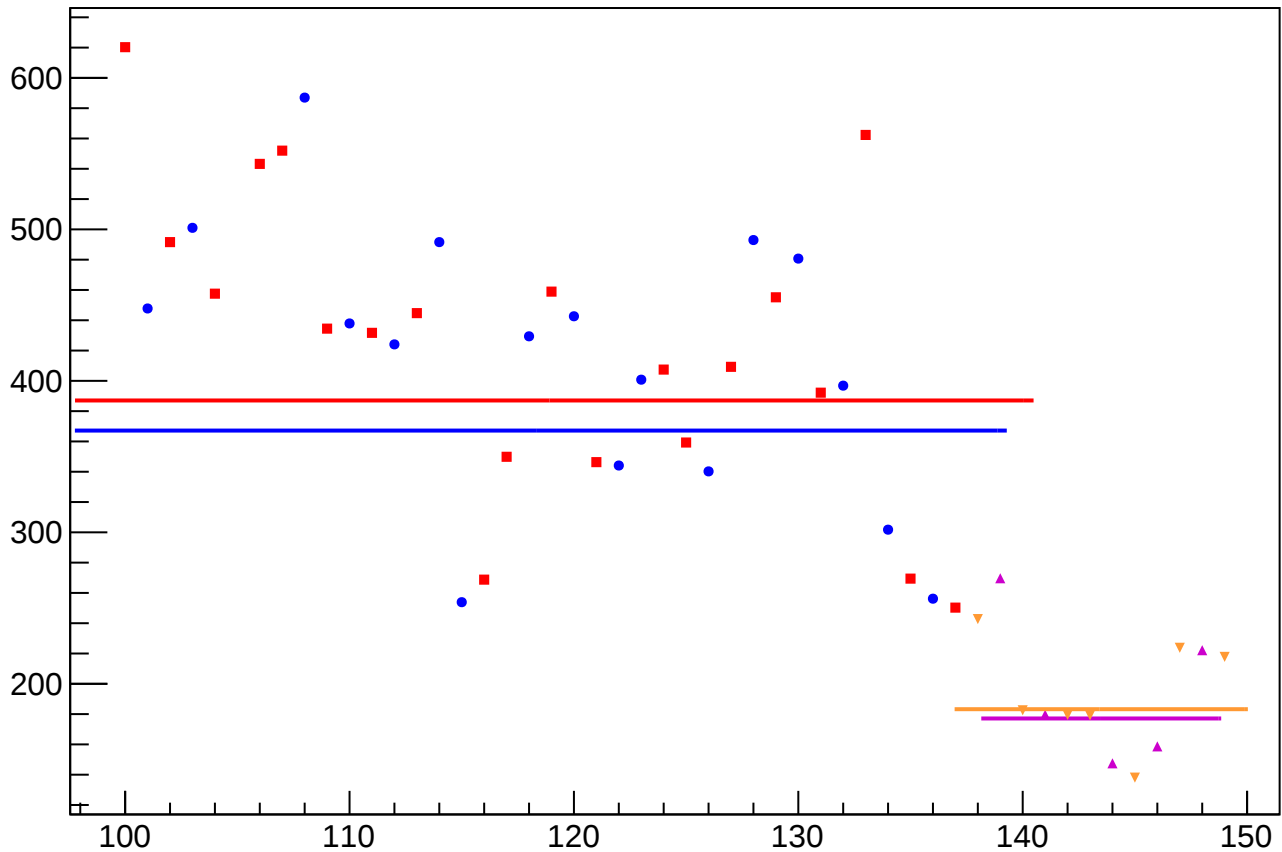
Left In: -40.025 $\pm$ 90.363 χ^2/NDF : 2.2/4

235.931 $\pm$ 73.054 χ^2/NDF : 39.4/23

75.236 $\pm$ 53.095 χ^2/NDF : 67.4/48

-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: 183.240 $\pm$ 0.059 χ^2 /NDF: 340333.1/6

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

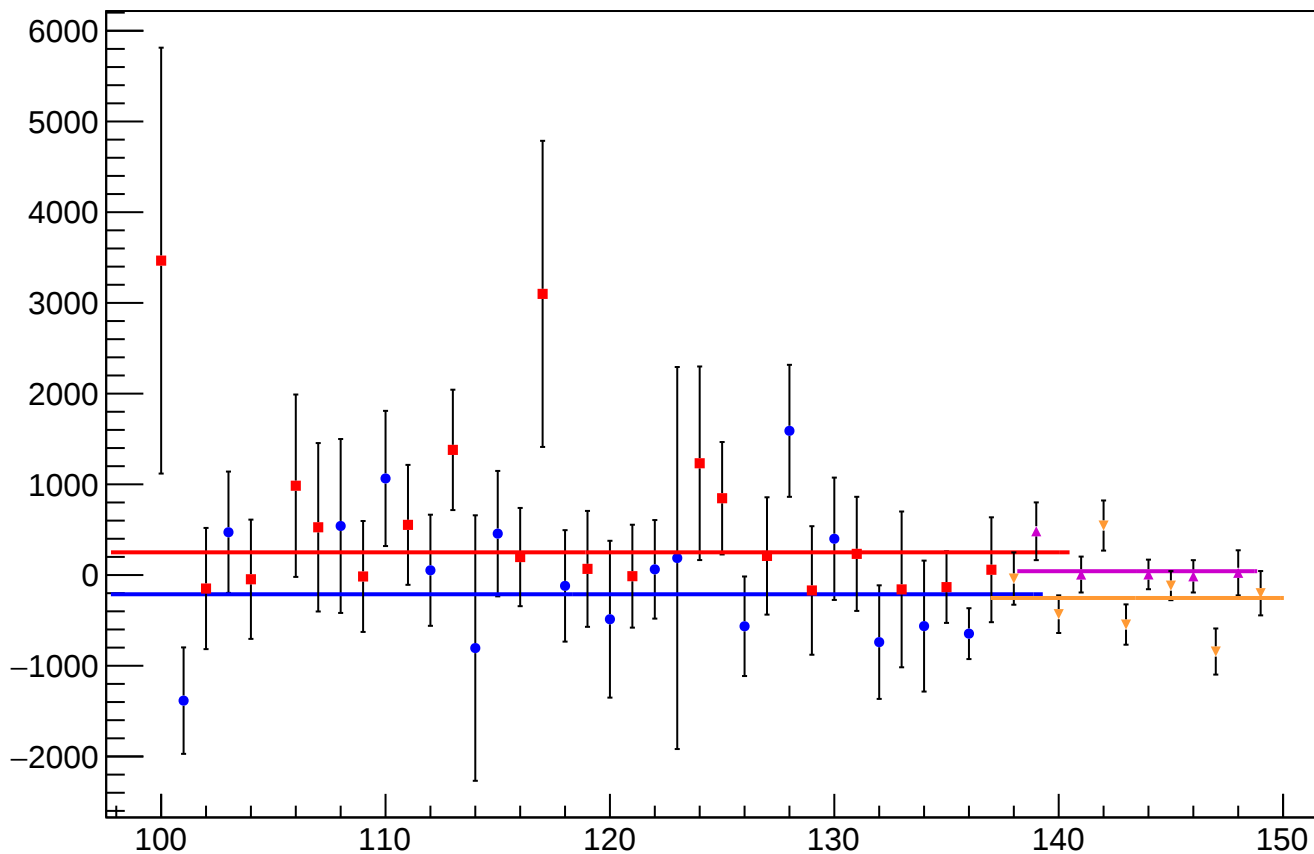
Left In: 177.111 $\pm$ 0.064 χ^2 /NDF: 326131.8/4

228.127 $\pm$ 0.052 χ^2 /NDF: 3506580.7/23

230.620 $\pm$ 0.038 χ^2 /NDF: 7508146.8/48

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: -252.840 ± 84.606 $\chi^2/\text{NDF}: 17.5/6$

Right Out: 250.443 ± 149.724 $\chi^2/\text{NDF}: 12.9/19$

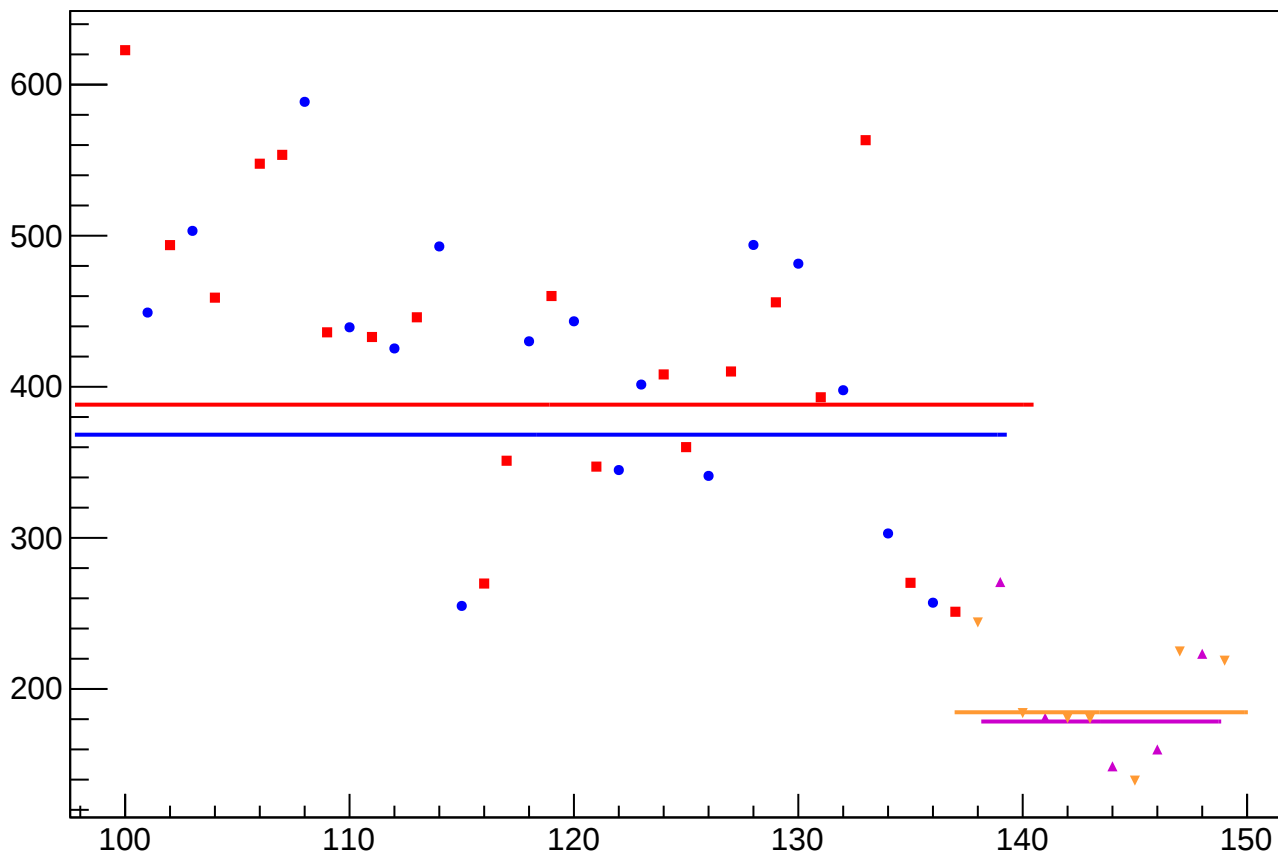
Left In: 42.383 ± 91.017 $\chi^2/\text{NDF}: 2.1/4$

-242.779 ± 73.489 $\chi^2/\text{NDF}: 38.6/23$

-81.787 ± 53.415 $\chi^2/\text{NDF}: 65.2/48$

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: 184.584 $\pm$ 0.060 χ^2 /NDF: 334455.9/6

Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

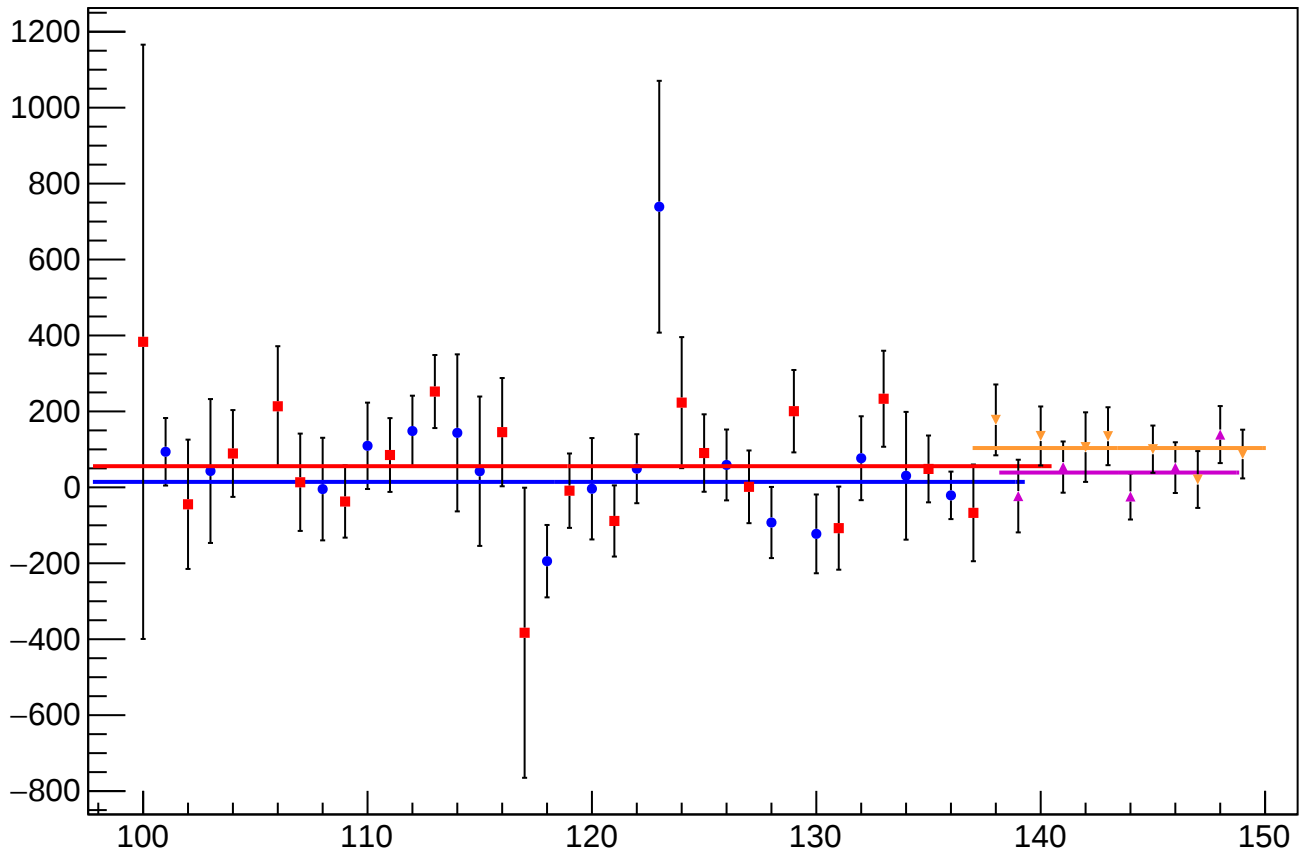
Left In: 178.462 $\pm$ 0.064 χ^2 /NDF: 321324.8/4

229.689 $\pm$ 0.052 χ^2 /NDF: 3474389.4/23

232.217 $\pm$ 0.038 χ^2 /NDF: 7441503.8/48

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 $\pm$ 26.334 χ^2/NDF : 17.7/16

Left Out: 103.539 $\pm$ 28.279 χ^2/NDF : 2.3/6

Right Out: 55.744 $\pm$ 26.060 χ^2/NDF : 19.7/19

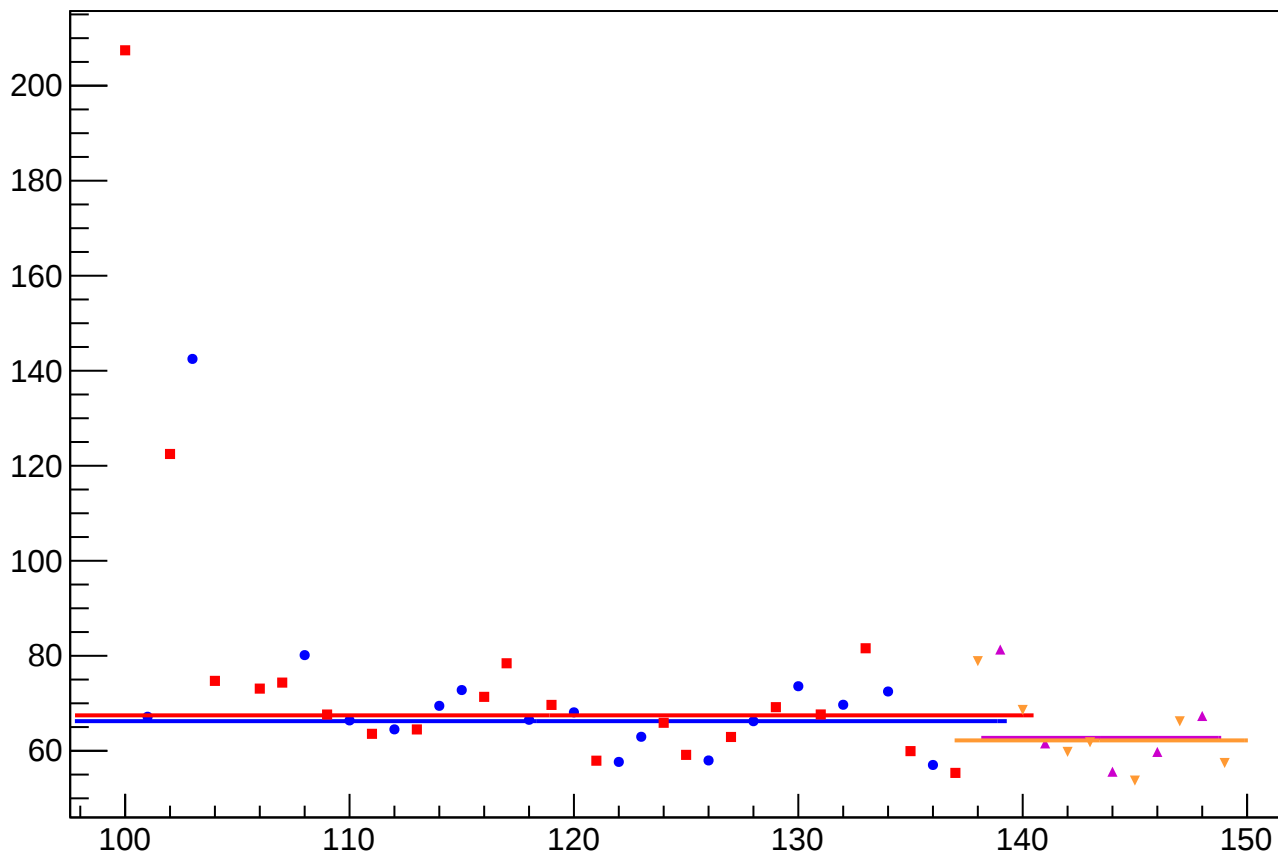
Left In: 38.949 $\pm$ 31.597 χ^2/NDF : 3.4/4

55.790 $\pm$ 19.272 χ^2/NDF : 25.3/23

52.512 $\pm$ 13.912 χ^2/NDF : 48.6/48

48.944 $\pm$ 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: 62.195 ± 0.020 $\chi^2/\text{NDF}: 132605.7/6$

Right Out: 67.466 ± 0.018 $\chi^2/\text{NDF}: 395262.8/19$

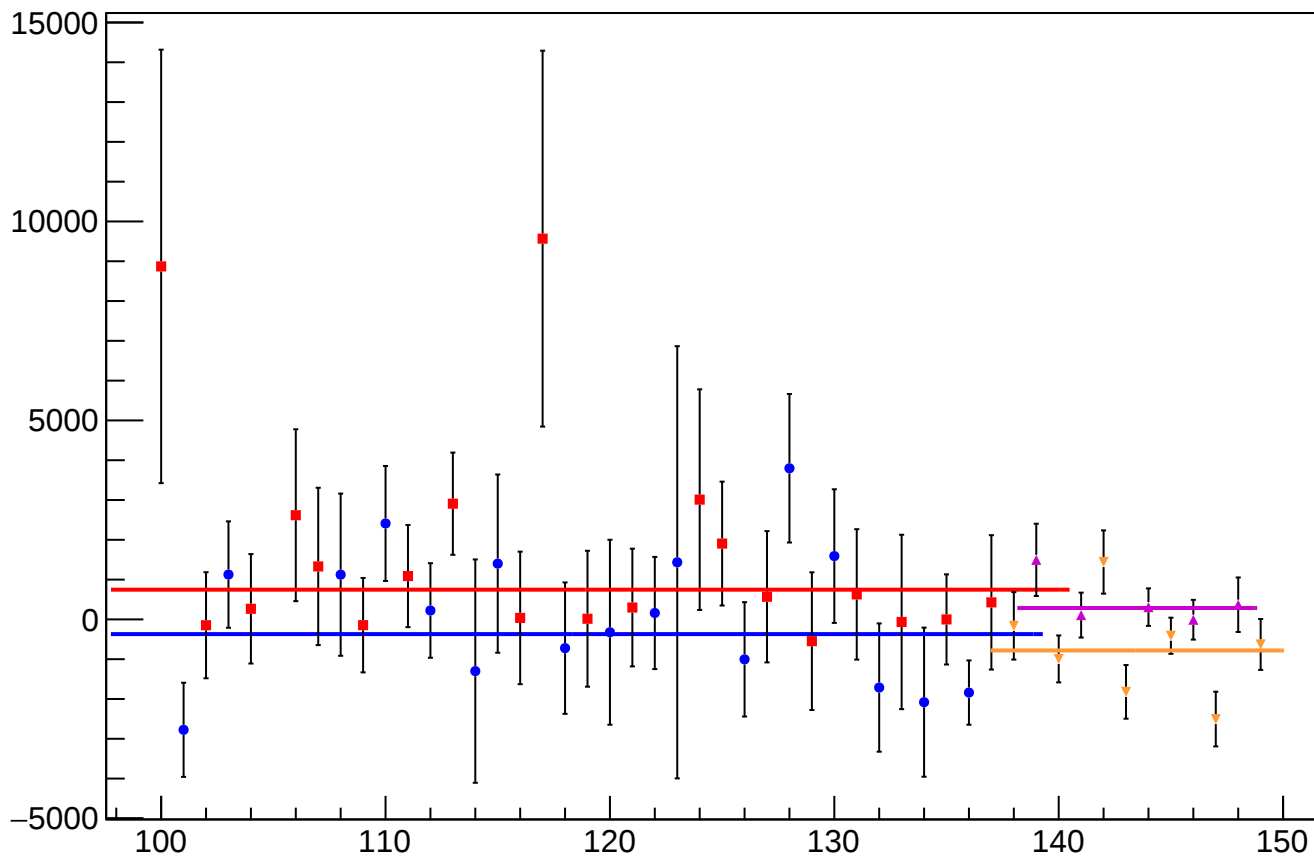
Left In: 62.725 ± 0.022 $\chi^2/\text{NDF}: 115034.9/4$

64.365 ± 0.014 $\chi^2/\text{NDF}: 595545.0/23$

64.931 ± 0.010 $\chi^2/\text{NDF}: 1136243.7/48$

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: -780.711+/-239.309 χ^2/NDF : 17.9/6

Right Out: 747.208+/-360.830 χ^2/NDF : 13.4/19

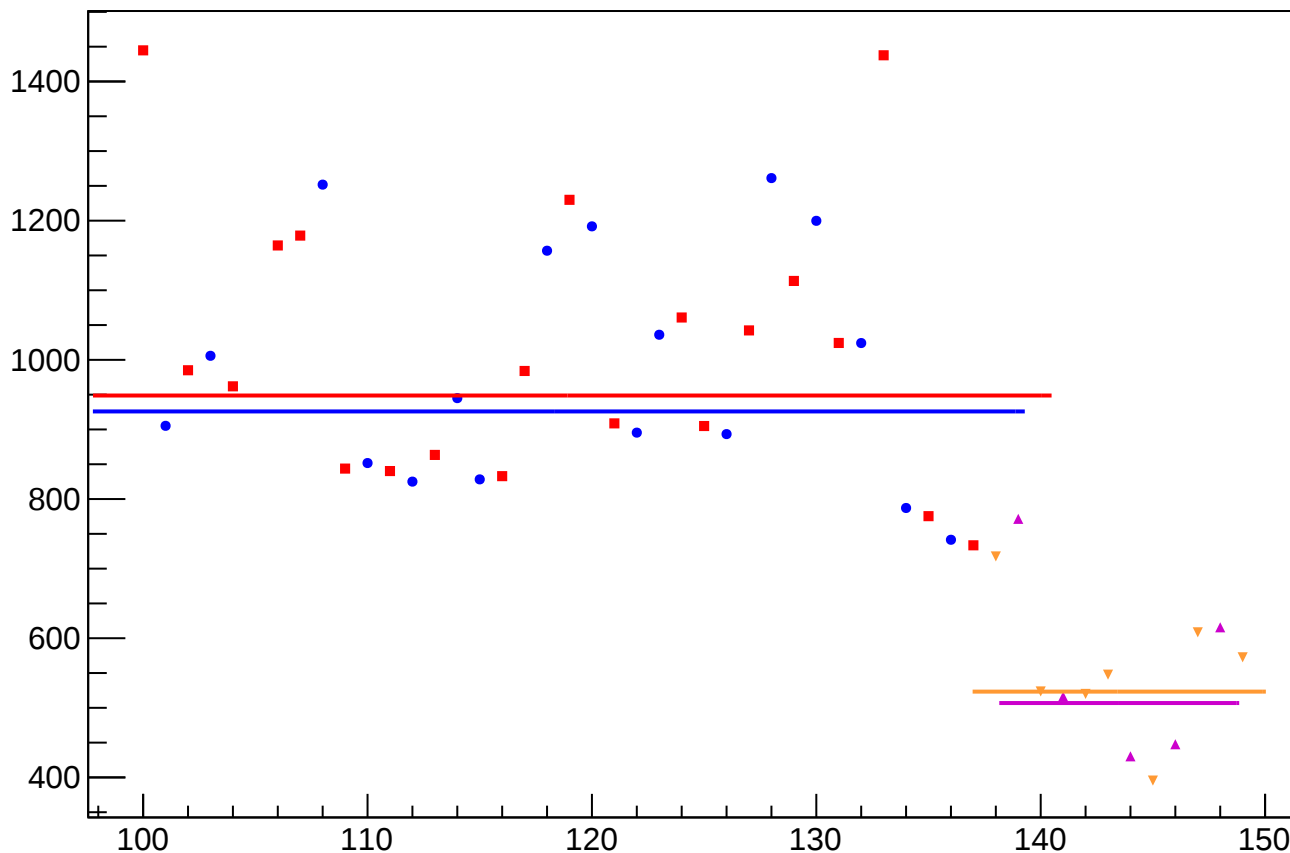
Left In: 286.386+/-258.209 χ^2/NDF : 2.2/4

-657.777+/-200.365 χ^2/NDF : 41.0/23

-133.439+/-144.960 χ^2/NDF : 72.2/48

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: 523.290 $\pm$ 0.169 χ^2/NDF :308903.7/6

Right Out: 948.760 $\pm$ 0.255 χ^2/NDF : 382044.0/19

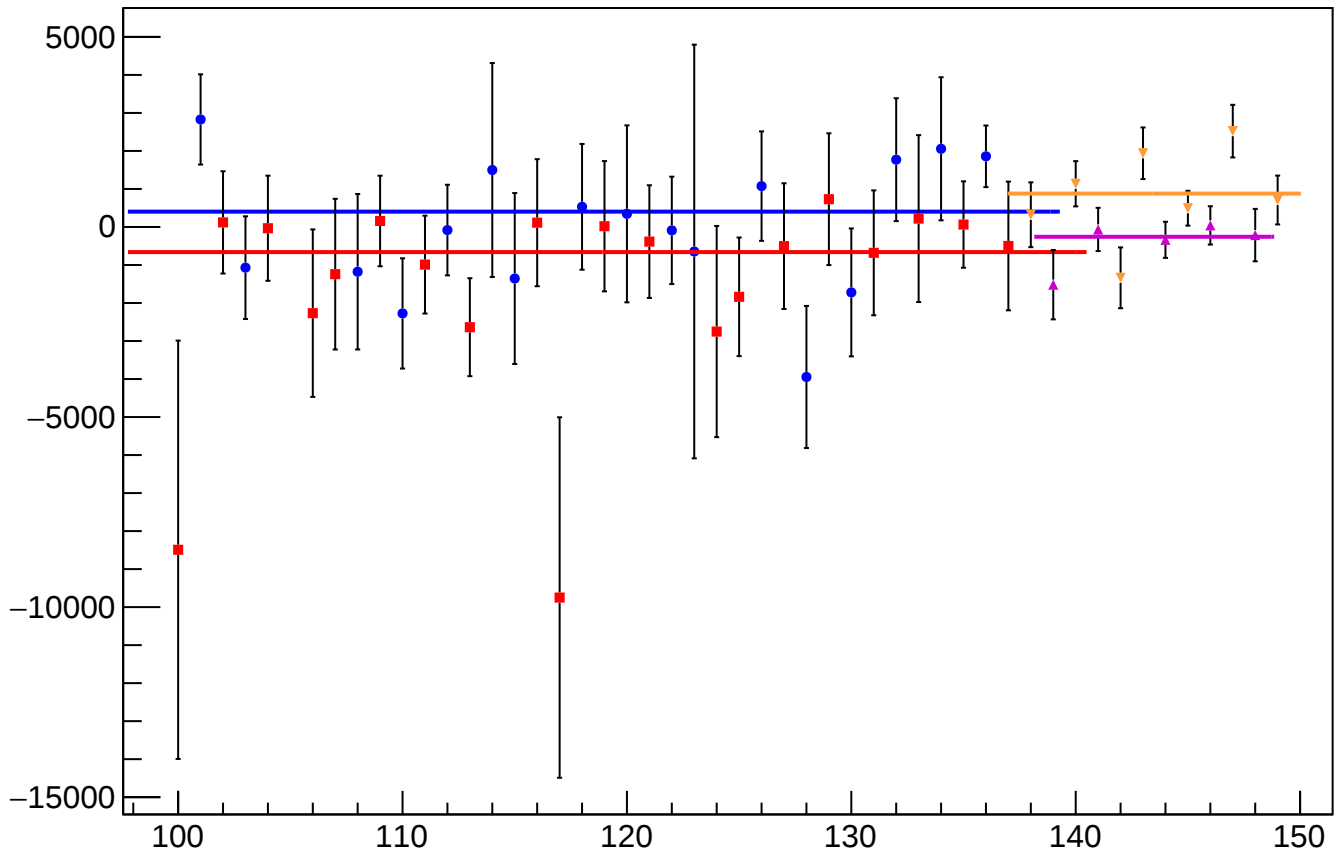
Left In: 506.880 $\pm$ 0.183 χ^2/NDF :301934.3/4

643.662 $\pm$ 0.142 χ^2/NDF : 2392386.6/23

649.793 $\pm$ 0.103 χ^2/NDF : 5063911.5/48

656.527 $\pm$ 0.148 χ^2/NDF : 2667595.1/24

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591 ± 367.686 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 878.158 ± 241.113 $\chi^2/\text{NDF}: 17.1/6$

Right Out: -660.630 ± 362.265 $\chi^2/\text{NDF}: 12.5/19$

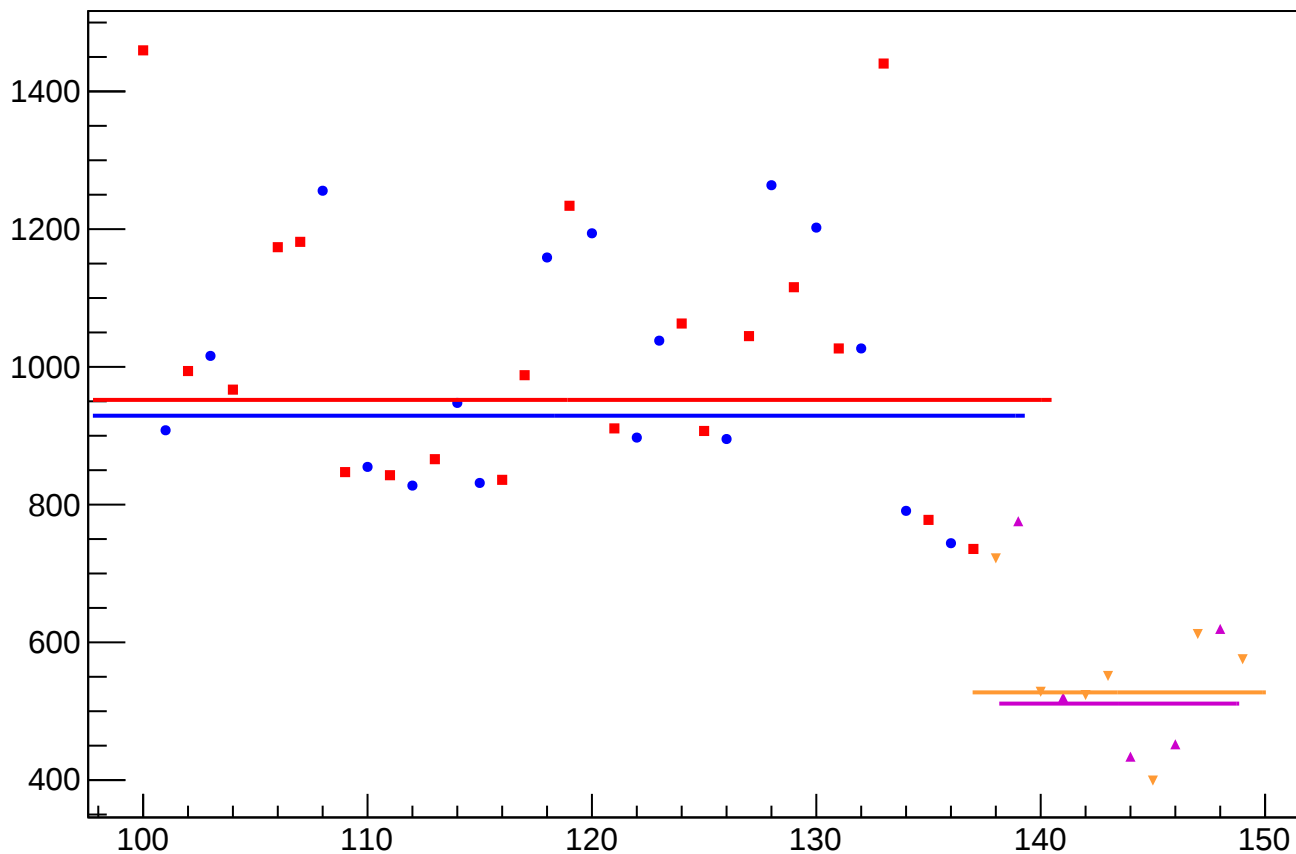
Left In: -257.858 ± 260.270 $\chi^2/\text{NDF}: 2.4/4$

735.452 ± 201.627 $\chi^2/\text{NDF}: 40.7/23$

196.897 ± 145.896 $\chi^2/\text{NDF}: 71.4/48$

-394.980 ± 211.373 $\chi^2/\text{NDF}: 15.7/24$

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2/NDF : 390292.1/16

Left Out: 527.357 $\pm$ 0.170 χ^2/NDF :304003.8/6

Right Out: 952.057 $\pm$ 0.256 χ^2/NDF : 382334.5/19

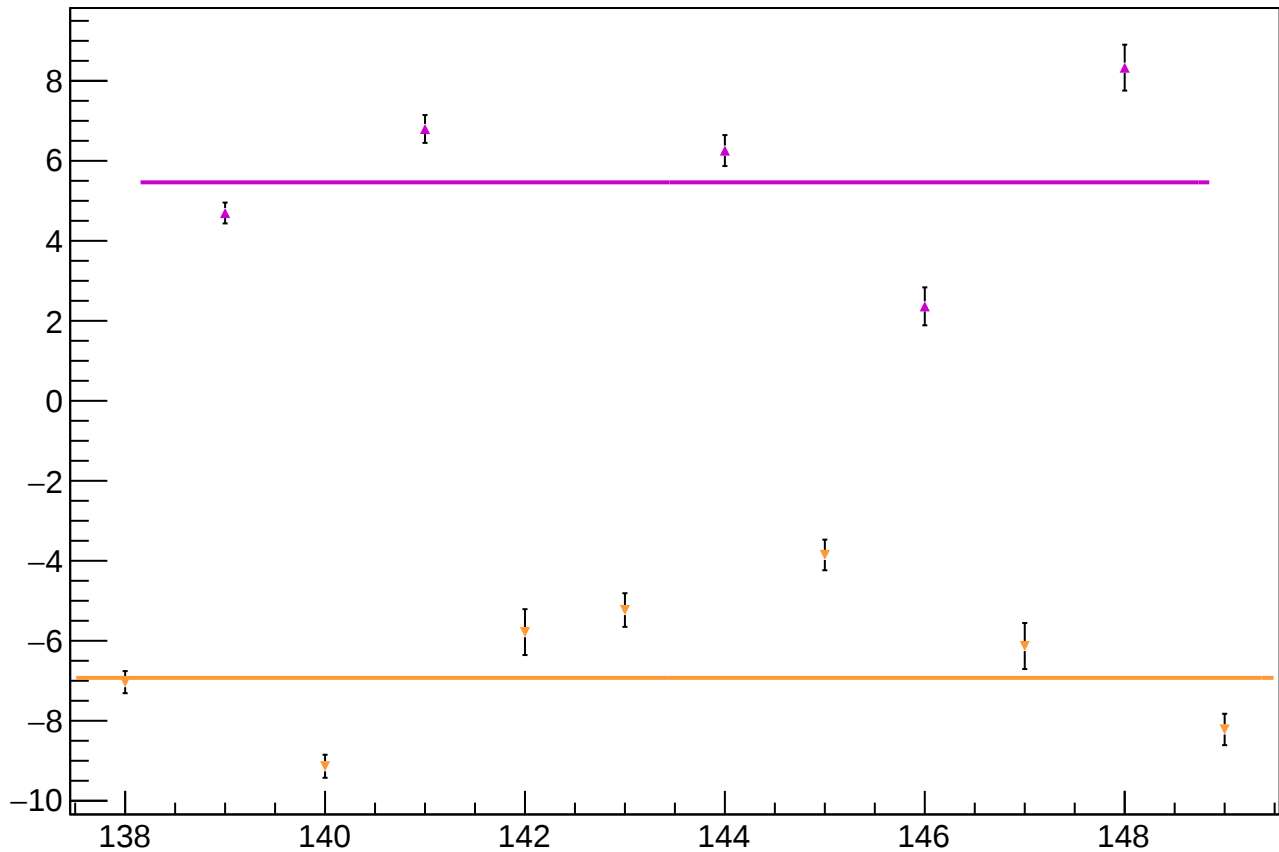
Left In: 511.064 $\pm$ 0.184 χ^2/NDF :298326.6/4

648.163 $\pm$ 0.143 χ^2/NDF : 2363941.4/23

654.373 $\pm$ 0.103 χ^2/NDF : 5003337.2/48

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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -6.927+/-0.141 χ^2/NDF : 156.3/6

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

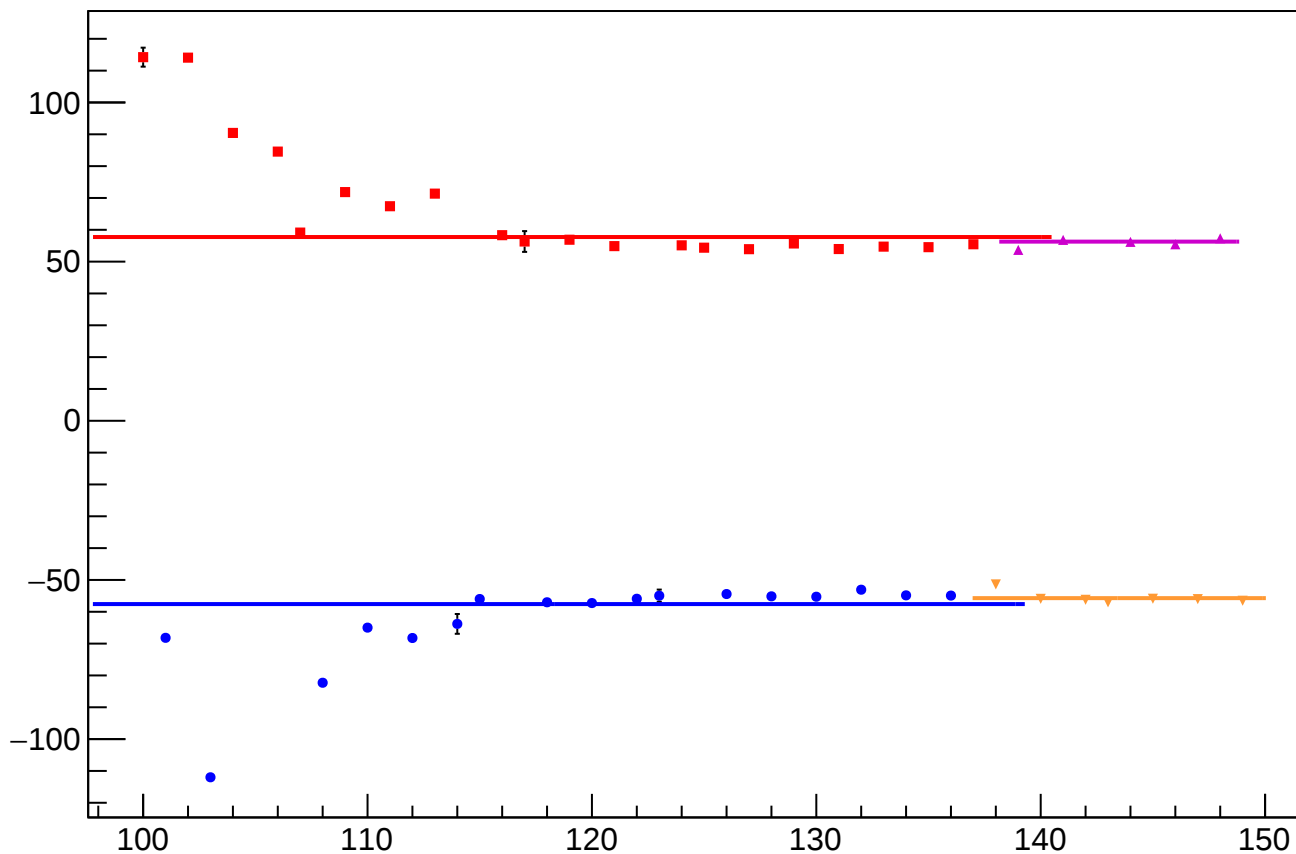
Left In: 5.462+/-0.164 χ^2/NDF : 95.2/4

-6.927+/-0.141 χ^2/NDF : 156.3/6

-1.656+/-0.107 χ^2/NDF : 3526.7/11

5.462+/-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: -55.715 ± 0.109 χ^2/NDF : 213.8/6

Right Out: 57.730 ± 0.143 χ^2/NDF : 4698.7/19

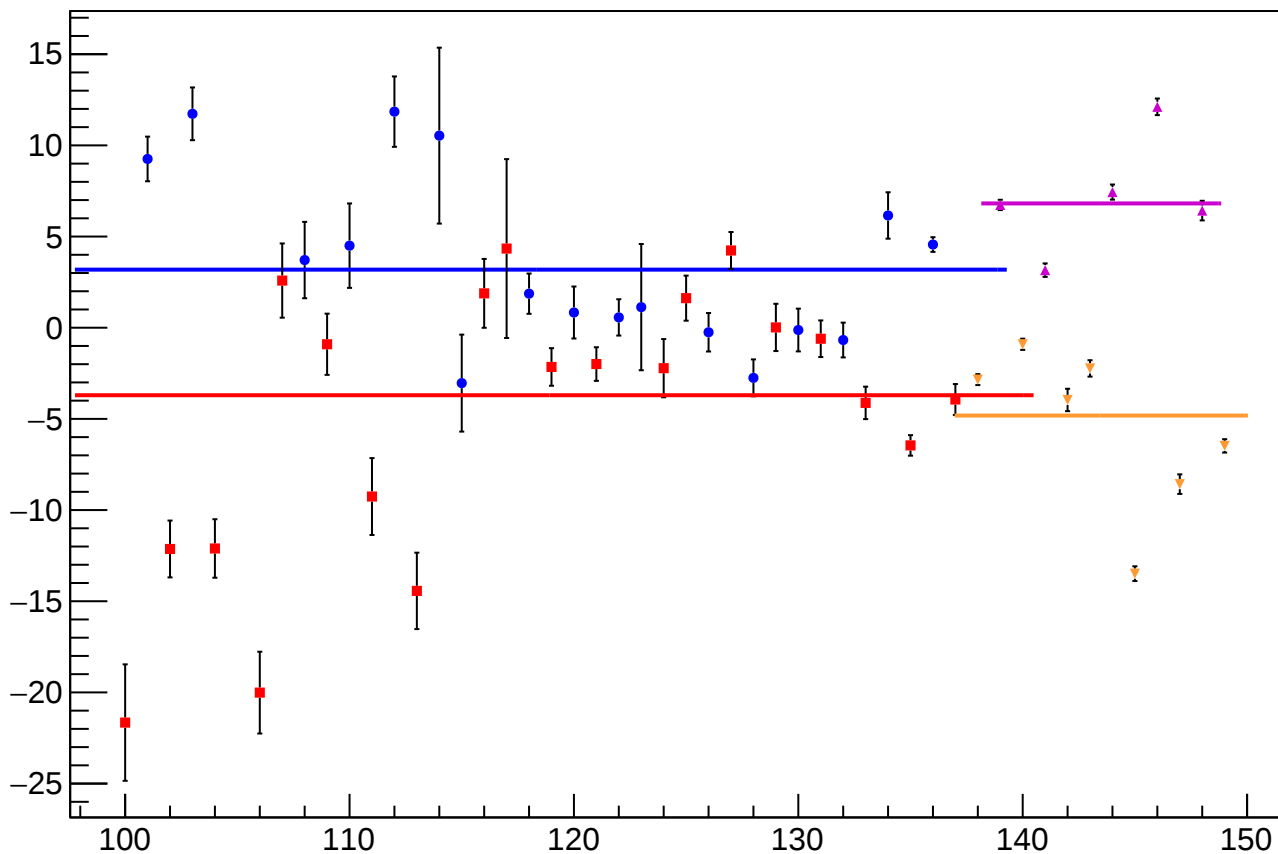
Left In: 56.284 ± 0.134 χ^2/NDF : 56.5/4

-56.401 ± 0.087 χ^2/NDF : 3776.9/23

-6.372 ± 0.065 χ^2/NDF : 762976.0/48

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: -4.817 ± 0.147 χ^2/NDF : 769.7/6

Right Out: -3.702 ± 0.267 χ^2/NDF : 326.8/19

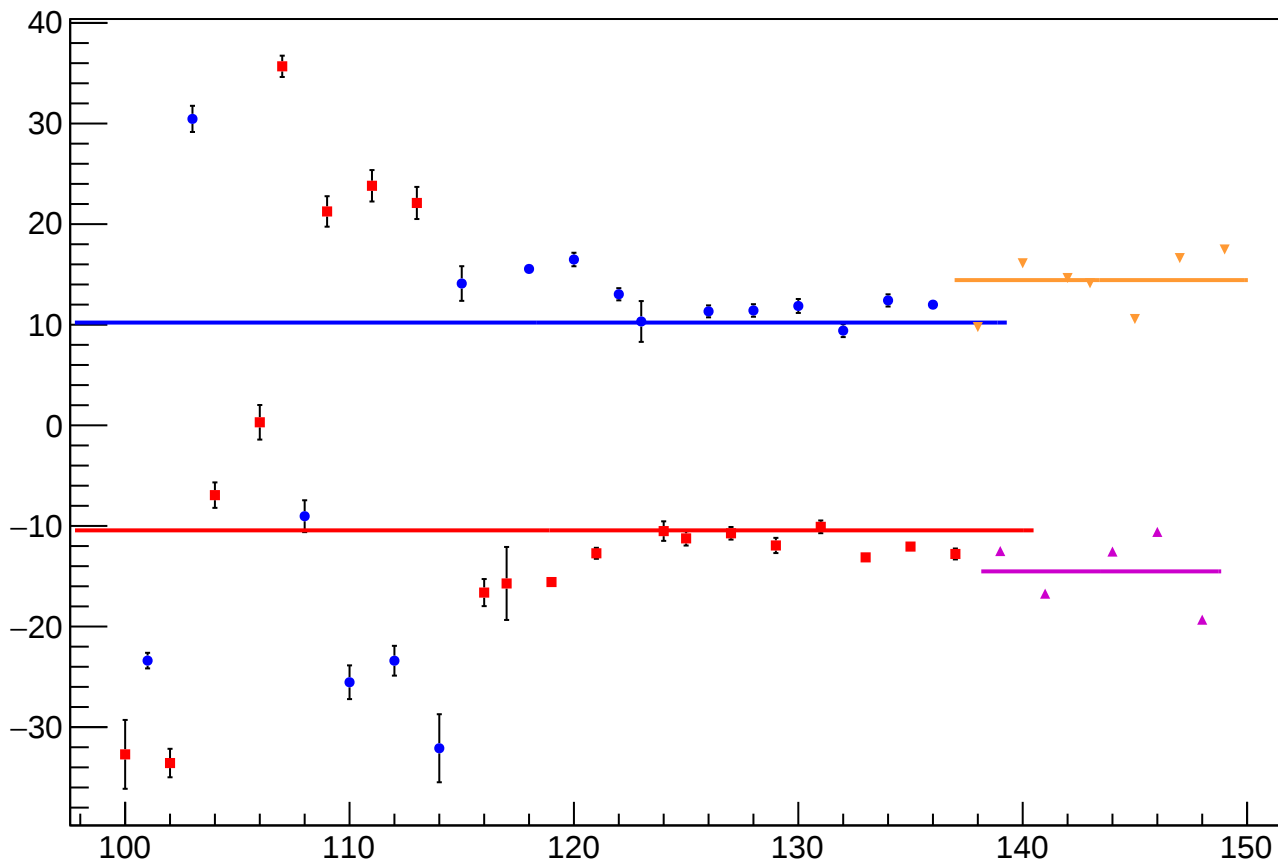
Left In: 6.816 ± 0.172 χ^2/NDF : 236.0/4

-2.869 ± 0.128 χ^2/NDF : 1677.7/23

0.035 ± 0.096 χ^2/NDF : 4513.0/48

3.742 ± 0.144 χ^2/NDF : 1660.1/24

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215+/-0.158 χ^2/NDF : 3692.6/16

Left Out: 14.437+/-0.131 χ^2/NDF : 453.3/6

Right Out: -10.440+/-0.160 χ^2/NDF : 3829.1/19

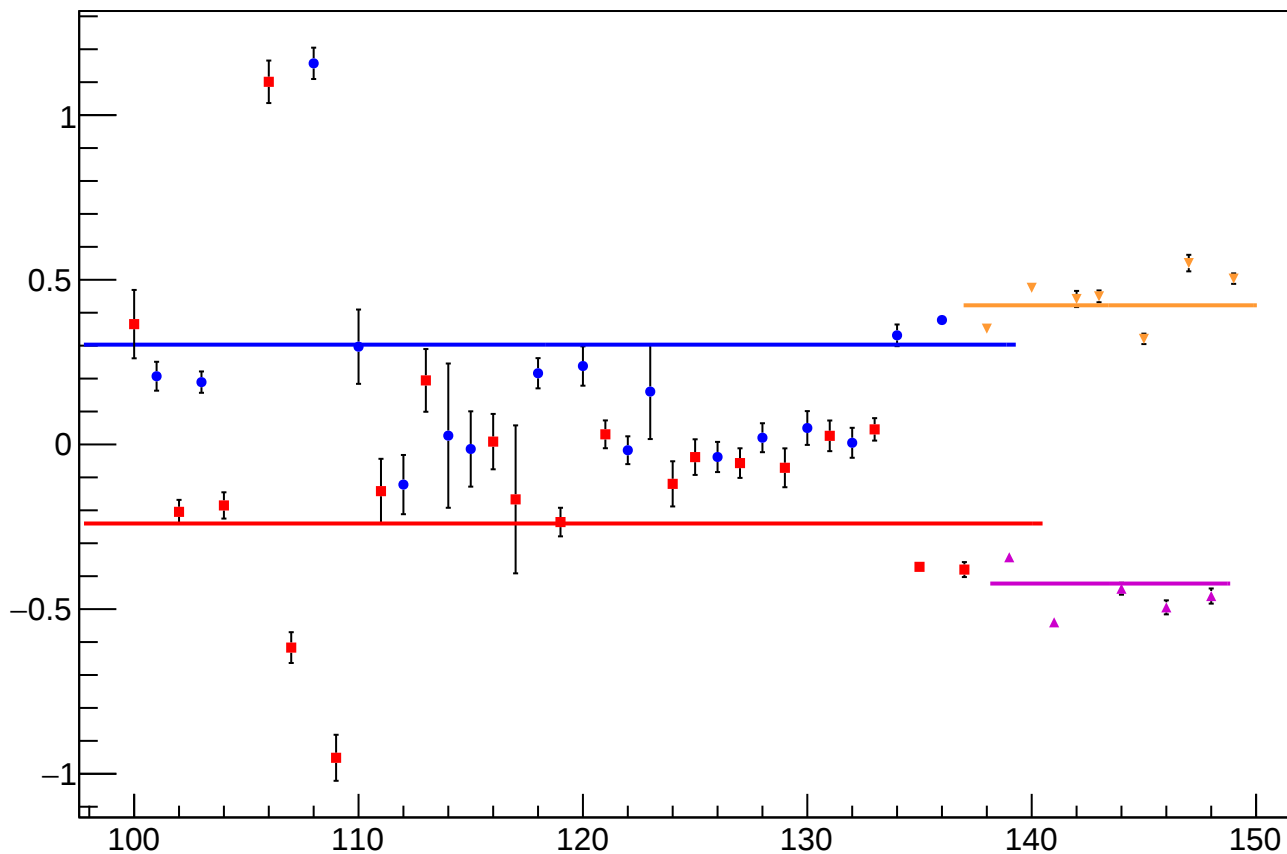
Left In: -14.519+/-0.161 χ^2/NDF : 366.0/4

12.721+/-0.101 χ^2/NDF : 4569.2/23

1.600+/-0.075 χ^2/NDF : 36660.7/48

-12.468+/-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: 0.423 ± 0.006 χ^2/NDF : 150.1/6

Right Out: -0.240 ± 0.009 χ^2/NDF : 984.5/19

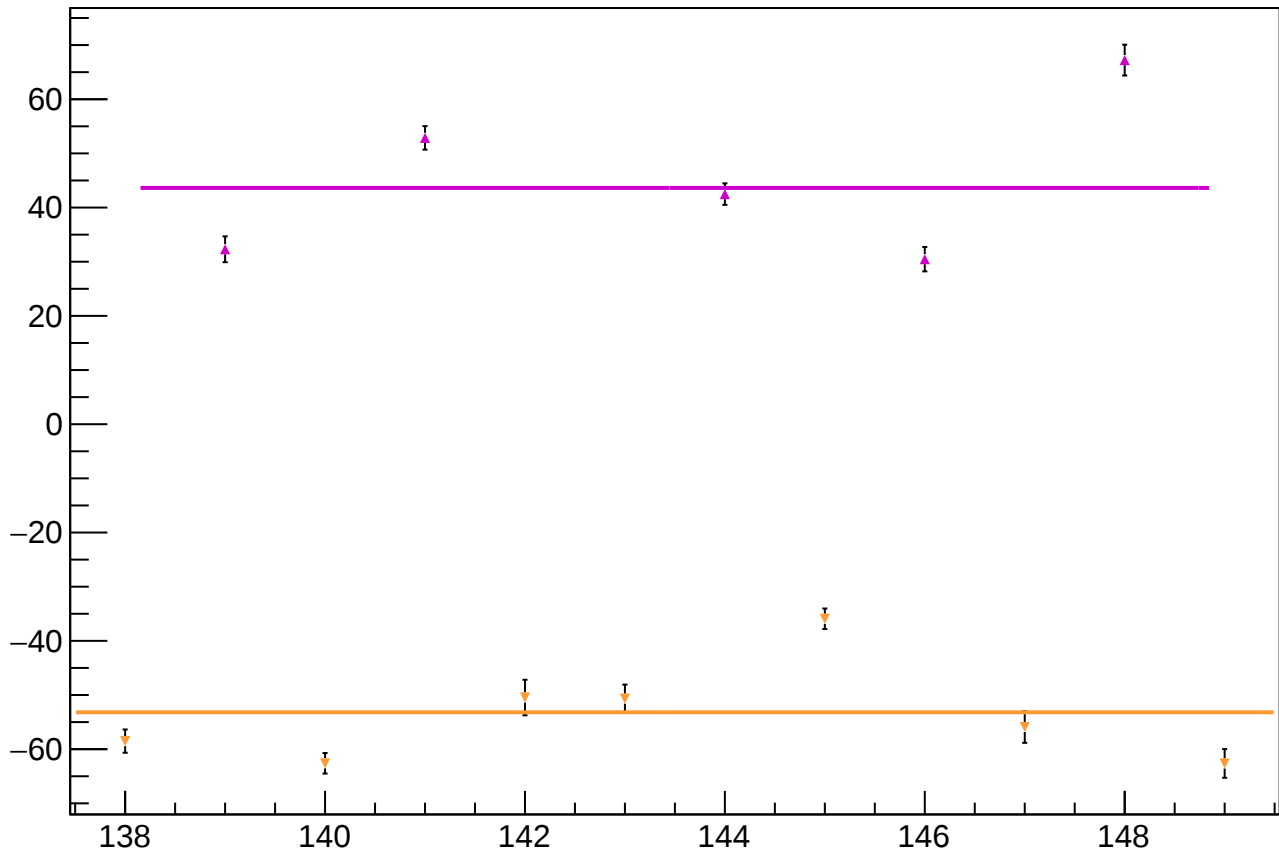
Left In: -0.422 ± 0.007 χ^2/NDF : 142.5/4

0.381 ± 0.005 χ^2/NDF : 933.8/23

0.046 ± 0.004 χ^2/NDF : 12717.8/48

-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: -53.190+/-0.886 χ^2/NDF :129.0/6

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

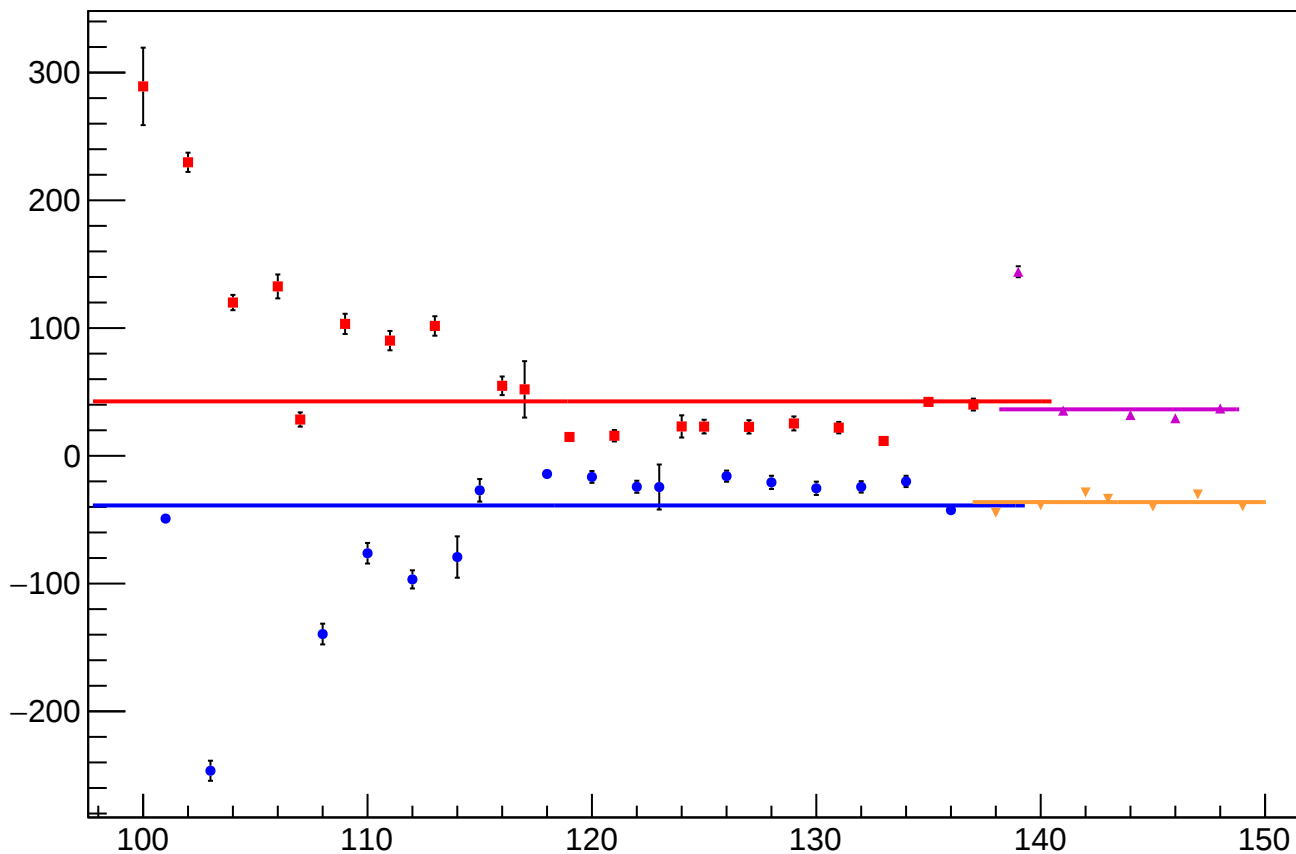
Left In: 43.628+/-1.020 χ^2/NDF :143.9/4

-53.190+/-0.886 χ^2/NDF : 129.0/6

-11.557+/-0.669 χ^2/NDF : 5411.4/11

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: -36.213 ± 0.634 χ^2/NDF : 61.4/6

Right Out: 42.614 ± 1.208 χ^2/NDF : 1345.9/19

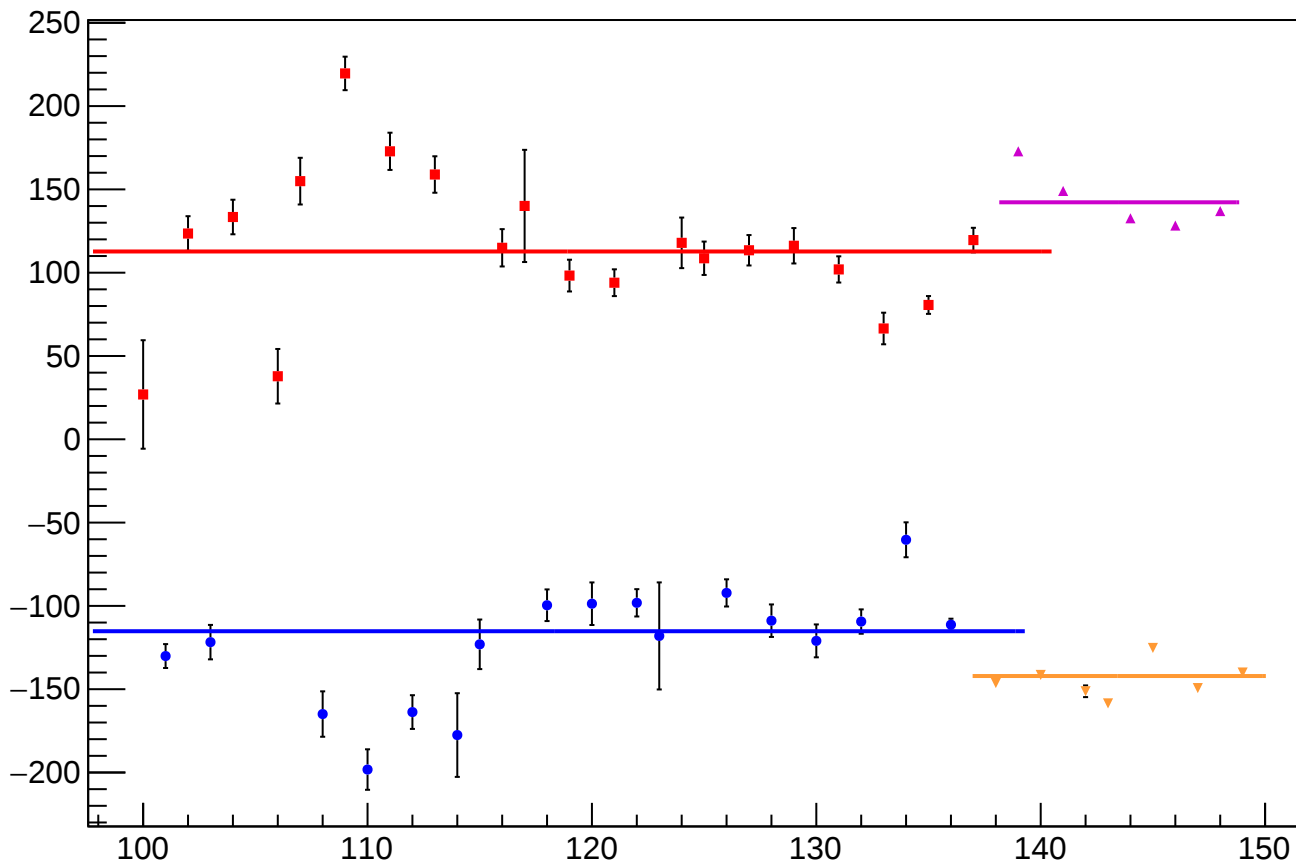
Left In: 36.379 ± 0.706 χ^2/NDF : 668.5/4

-36.828 ± 0.555 χ^2/NDF : 1187.3/23

-2.908 ± 0.410 χ^2/NDF : 11449.9/48

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: -142.093 ± 0.919 $\chi^2/\text{NDF}: 123.1/6$

Right Out: 112.729 ± 2.205 $\chi^2/\text{NDF}: 273.1/19$

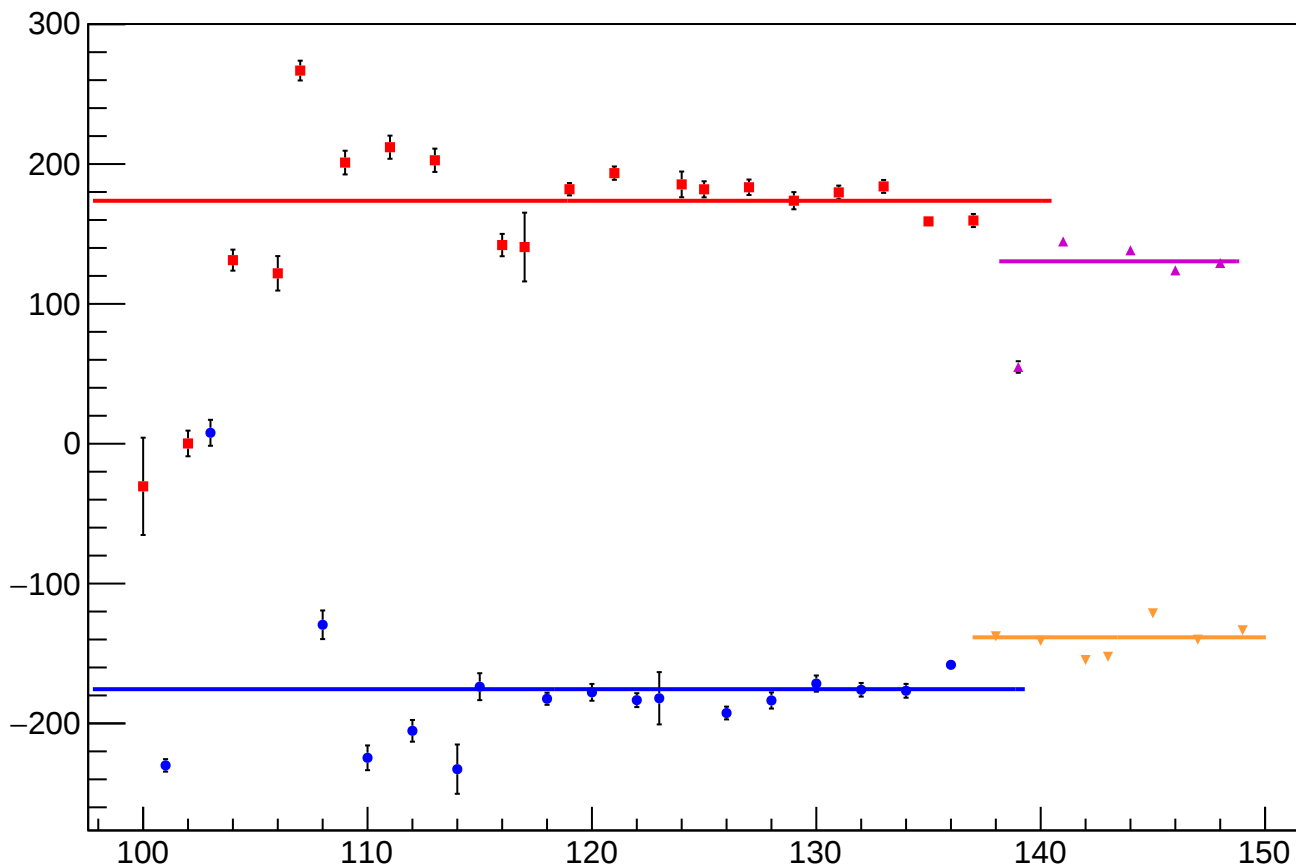
Left In: 142.250 ± 1.047 $\chi^2/\text{NDF}: 214.8/4$

-137.708 ± 0.841 $\chi^2/\text{NDF}: 403.6/23$

-16.518 ± 0.628 $\chi^2/\text{NDF}: 48131.8/48$

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: -138.440 ± 0.775 χ^2/NDF : 187.4/6

Right Out: 173.729 ± 1.354 χ^2/NDF : 739.7/19

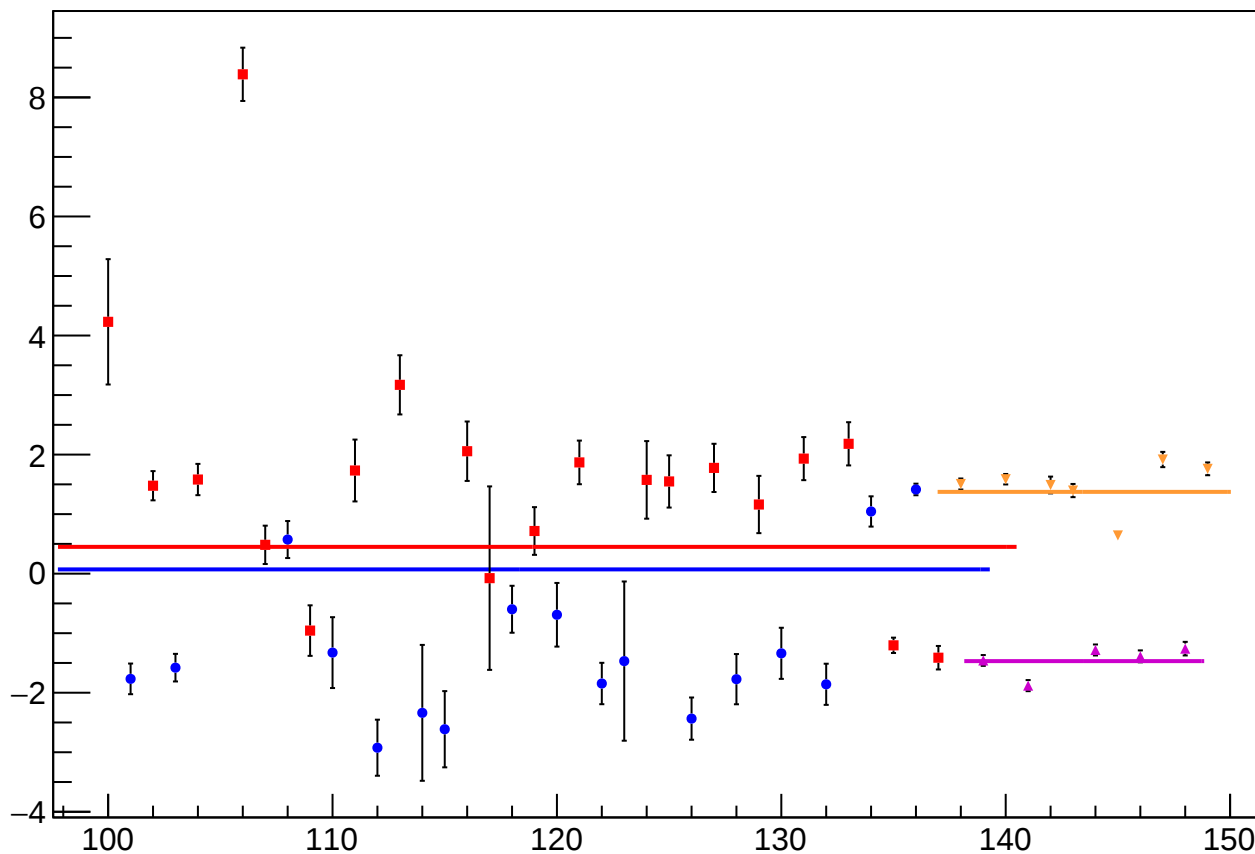
Left In: 130.433 ± 0.878 χ^2/NDF : 430.8/4

-148.418 ± 0.662 χ^2/NDF : 1495.9/23

-18.080 ± 0.493 χ^2/NDF : 90007.8/48

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: 1.374 ± 0.038 χ^2/NDF : 125.2/6

Right Out: 0.450 ± 0.071 χ^2/NDF : 751.4/19

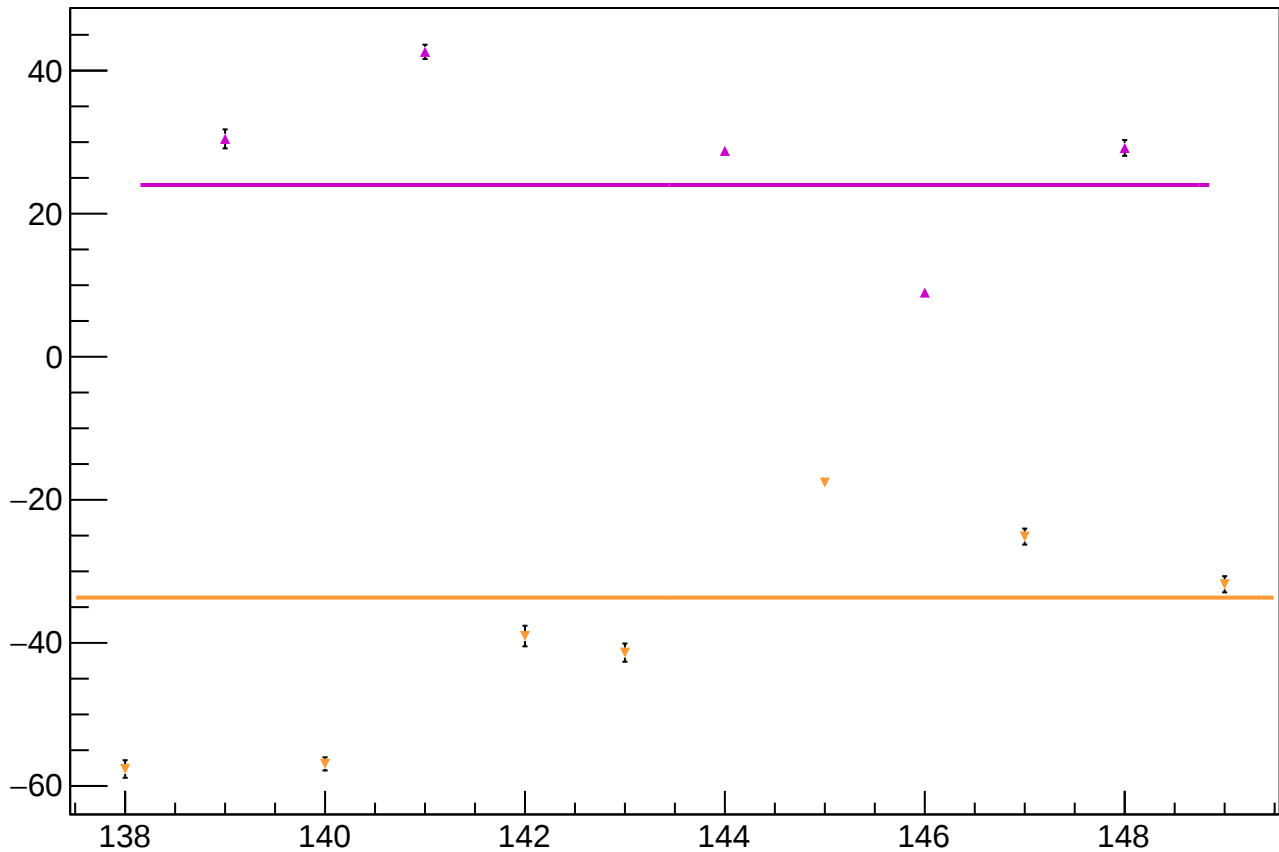
Left In: -1.469 ± 0.043 χ^2/NDF : 27.6/4

1.055 ± 0.033 χ^2/NDF : 934.5/23

0.164 ± 0.025 χ^2/NDF : 3861.3/48

-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: -33.669+/-0.374 χ^2/NDF : 1804.2/6

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

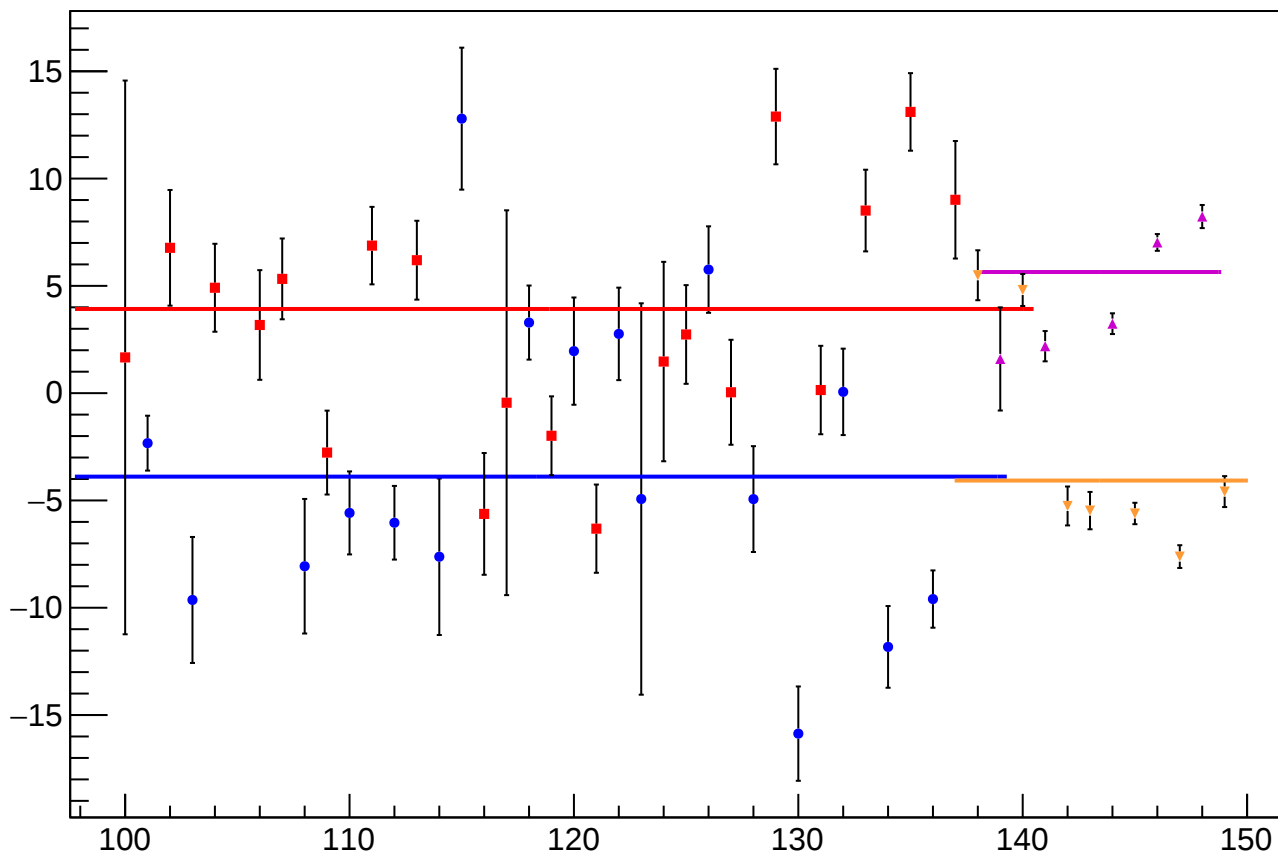
Left In: 24.012+/-0.378 χ^2/NDF : 996.9/4

-33.669+/-0.374 χ^2/NDF : 1804.2/6

-5.108+/-0.266 χ^2/NDF : 14563.3/11

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 χ^2/NDF : 160.5/16

Left Out: -4.072 ± 0.262 χ^2/NDF : 268.4/6

Right Out: 3.923 ± 0.506 χ^2/NDF : 122.4/19

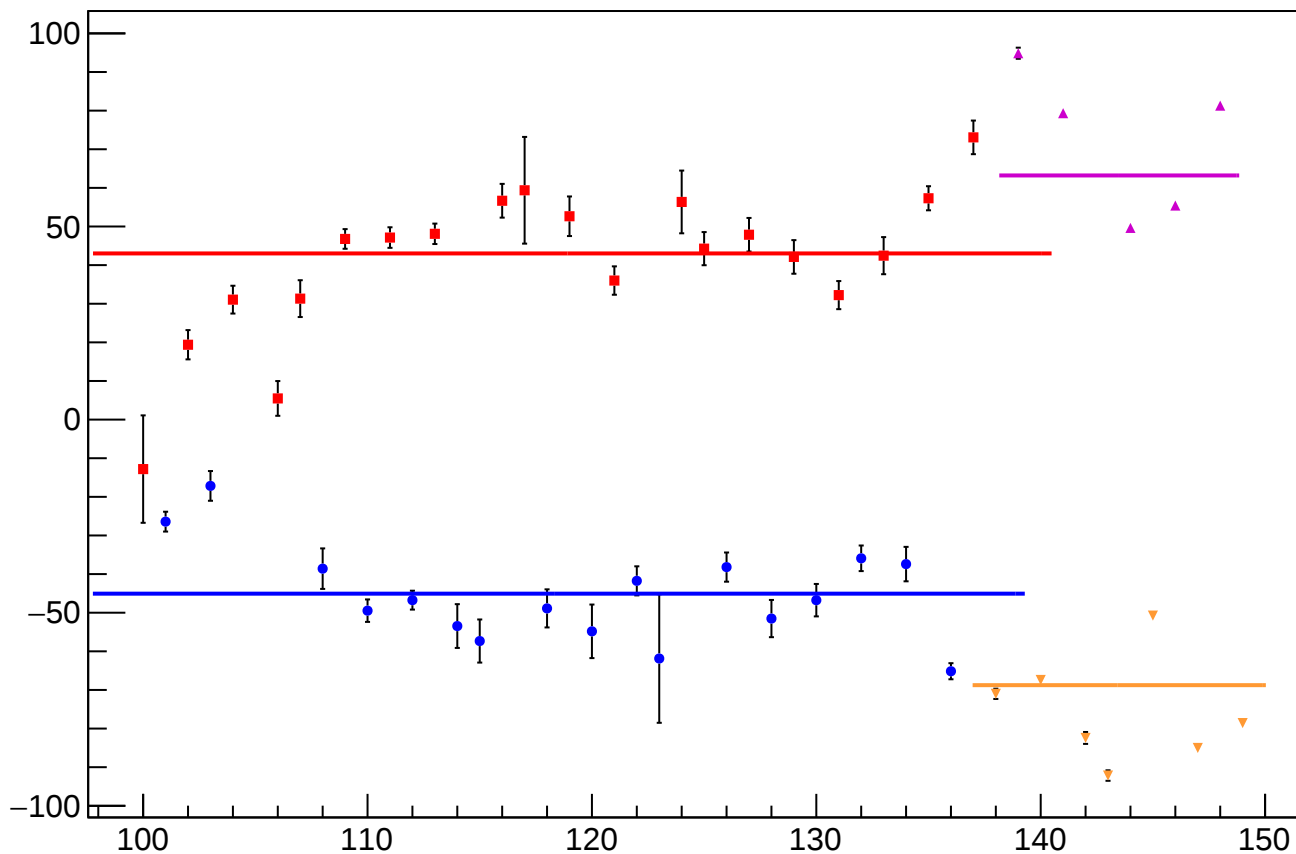
Left In: 5.645 ± 0.247 χ^2/NDF : 87.1/4

-4.033 ± 0.232 χ^2/NDF : 429.0/23

0.853 ± 0.160 χ^2/NDF : 1497.1/48

5.315 ± 0.222 χ^2/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: -68.761 ± 0.386 χ^2/NDF : 1462.4/6

Right Out: 43.025 ± 0.876 χ^2/NDF : 249.7/19

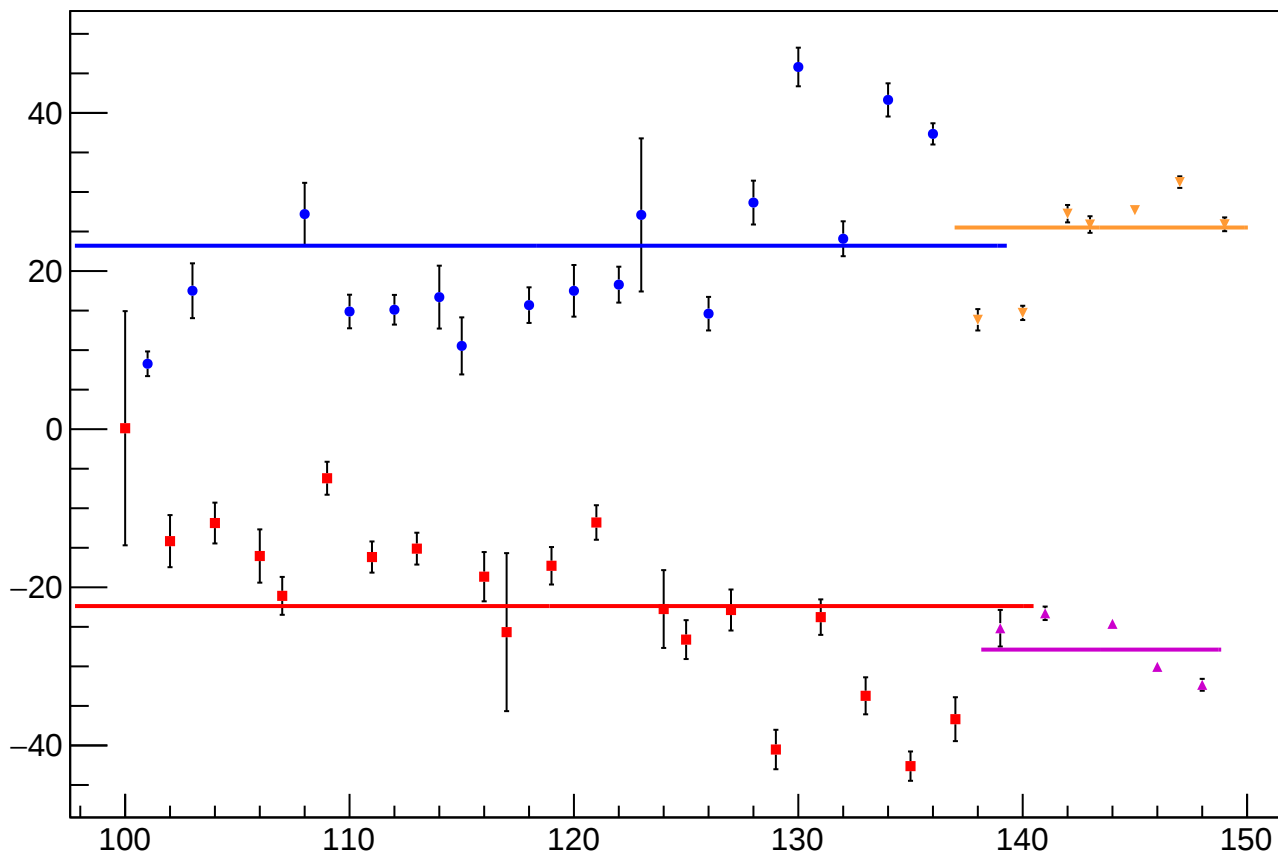
Left In: 63.217 ± 0.382 χ^2/NDF : 1526.2/4

-64.957 ± 0.354 χ^2/NDF : 2295.9/23

-1.856 ± 0.249 χ^2/NDF : 67439.8/48

59.987 ± 0.350 χ^2/NDF : 2222.1/24

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 25.507 $\pm$ 0.321 χ^2 /NDF: 296.5/6

Right Out: -22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

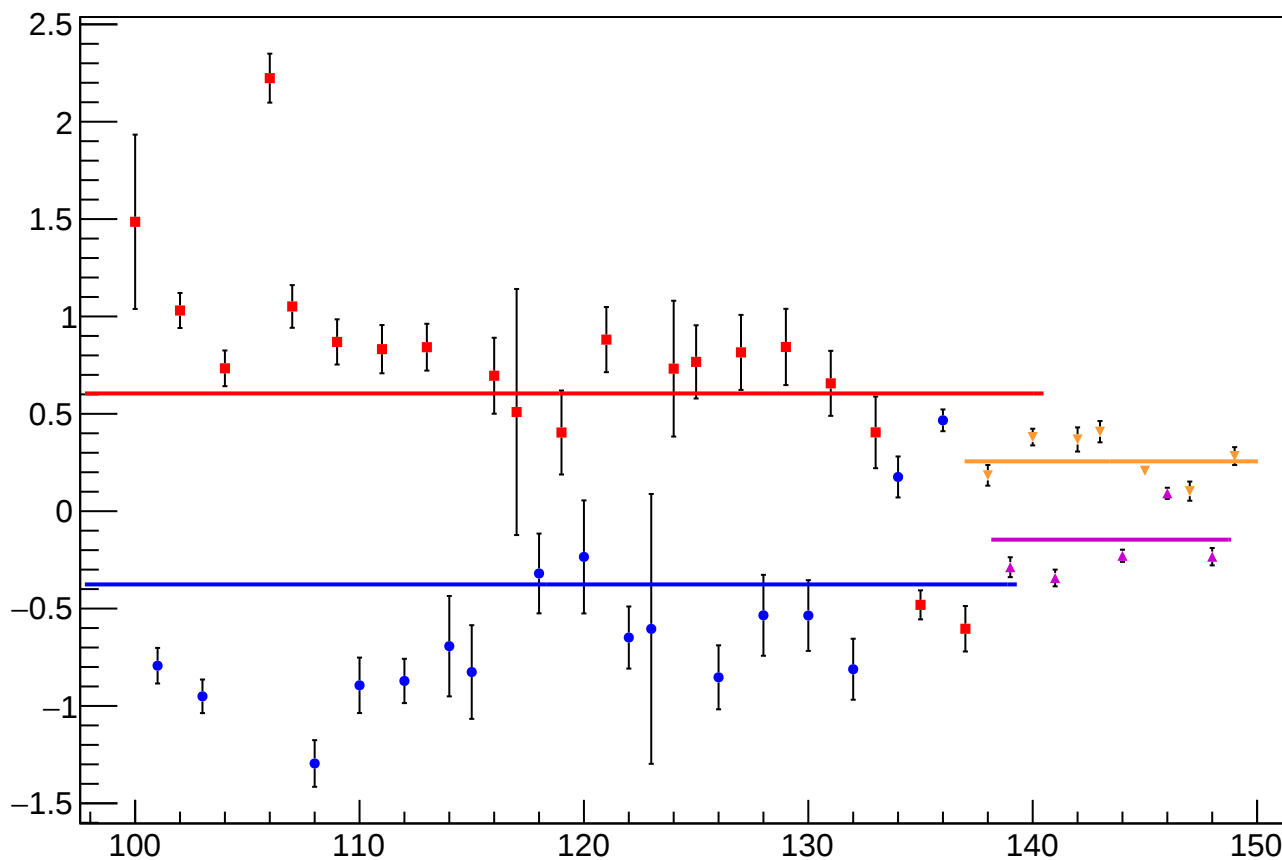
Left In: -27.878 $\pm$ 0.309 χ^2 /NDF: 116.9/4

24.935 $\pm$ 0.278 χ^2 /NDF: 766.6/23

-1.430 $\pm$ 0.195 χ^2 /NDF: 18865.5/48

-26.630 $\pm$ 0.272 χ^2 /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: 0.256 ± 0.016 $\chi^2/\text{NDF}: 34.9/6$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

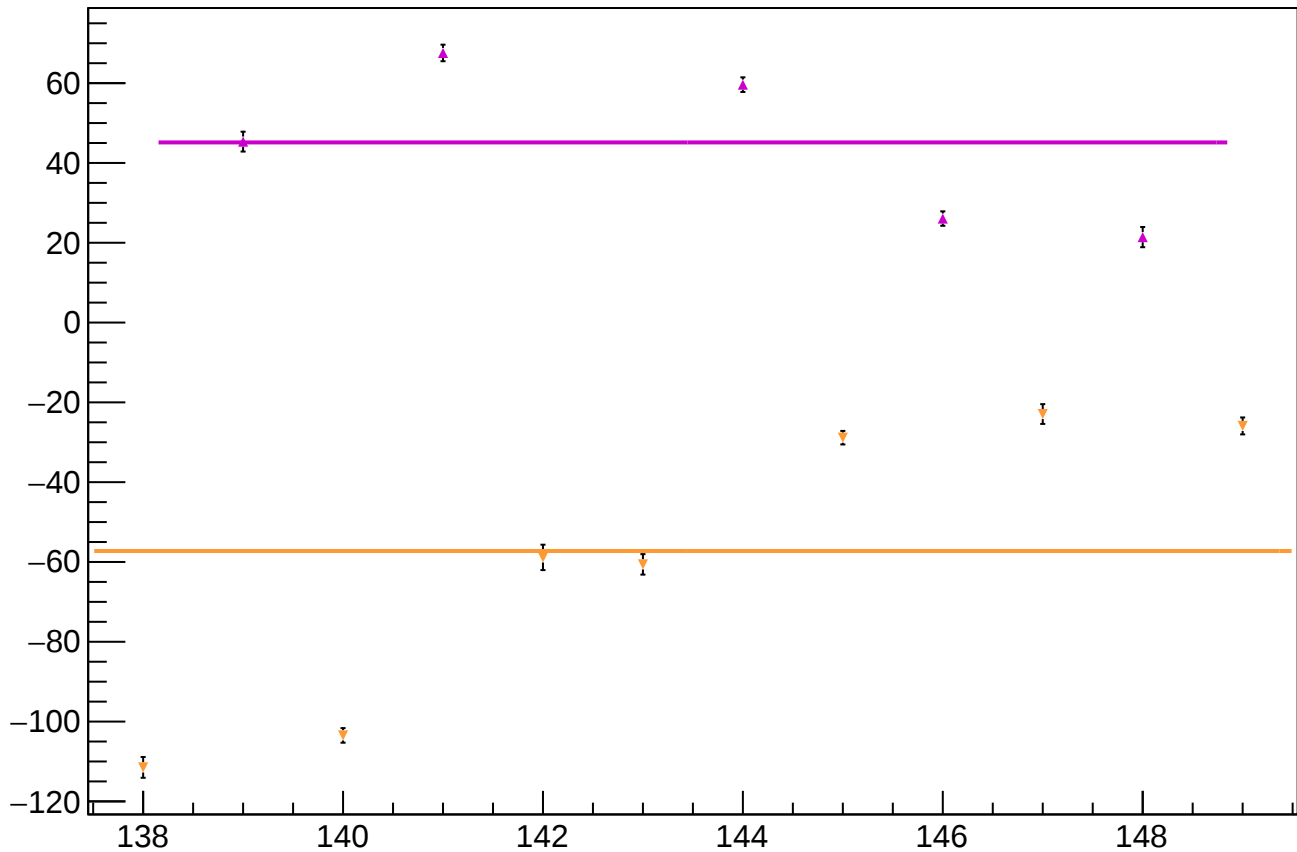
Left In: -0.146 ± 0.017 $\chi^2/\text{NDF}: 108.4/4$

0.116 ± 0.014 $\chi^2/\text{NDF}: 815.1/23$

0.073 ± 0.010 $\chi^2/\text{NDF}: 1970.3/48$

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: -57.250+/-0.837 χ^2/NDF : 1761.9/6

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

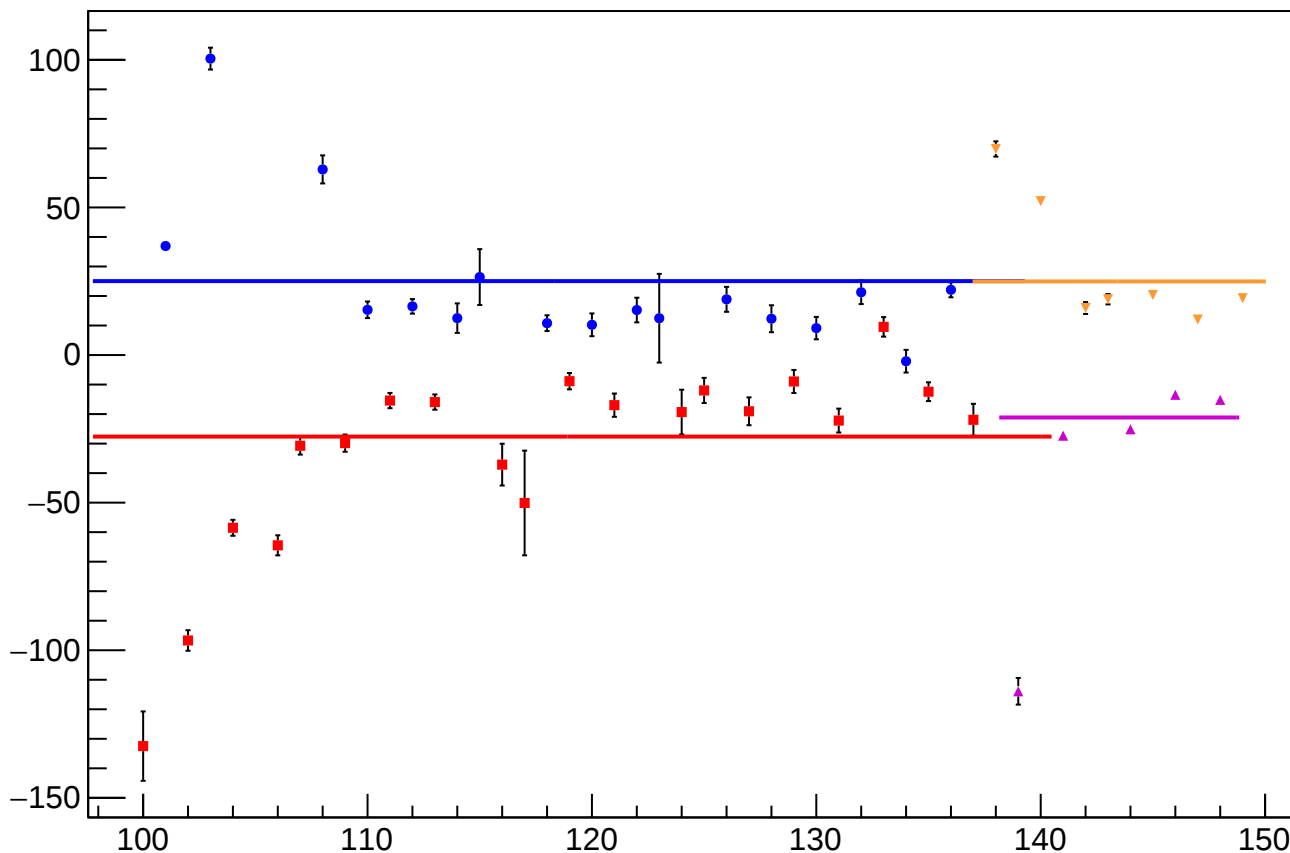
Left In: 45.145+/-0.932 χ^2/NDF : 377.8/4

-57.250+/-0.837 χ^2/NDF : 1761.9/6

-11.572+/-0.623 χ^2/NDF : 8820.8/11

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 $\chi^2/\text{NDF}: 686.4/16$

Left Out: 24.939 ± 0.585 $\chi^2/\text{NDF}: 806.9/6$

Right Out: -27.620 ± 0.809 $\chi^2/\text{NDF}: 1014.4/19$

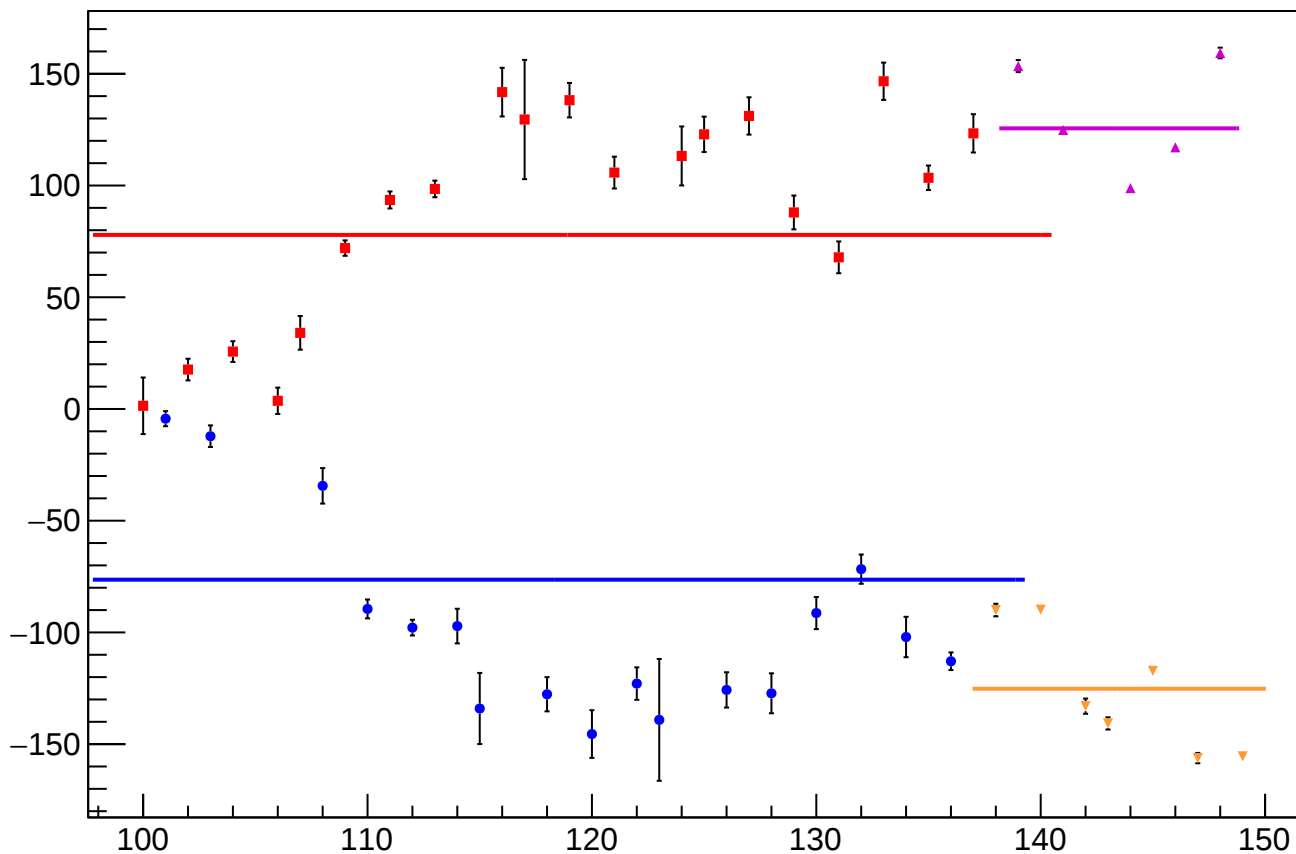
Left In: -21.157 ± 0.634 $\chi^2/\text{NDF}: 515.9/4$

24.976 ± 0.473 $\chi^2/\text{NDF}: 1493.3/23$

1.963 ± 0.344 $\chi^2/\text{NDF}: 8051.3/48$

-23.618 ± 0.499 $\chi^2/\text{NDF}: 1569.8/24$

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -125.203 ± 0.858 $\chi^2/\text{NDF}: 953.1/6$

Right Out: 77.894 ± 1.351 $\chi^2/\text{NDF}: 876.4/19$

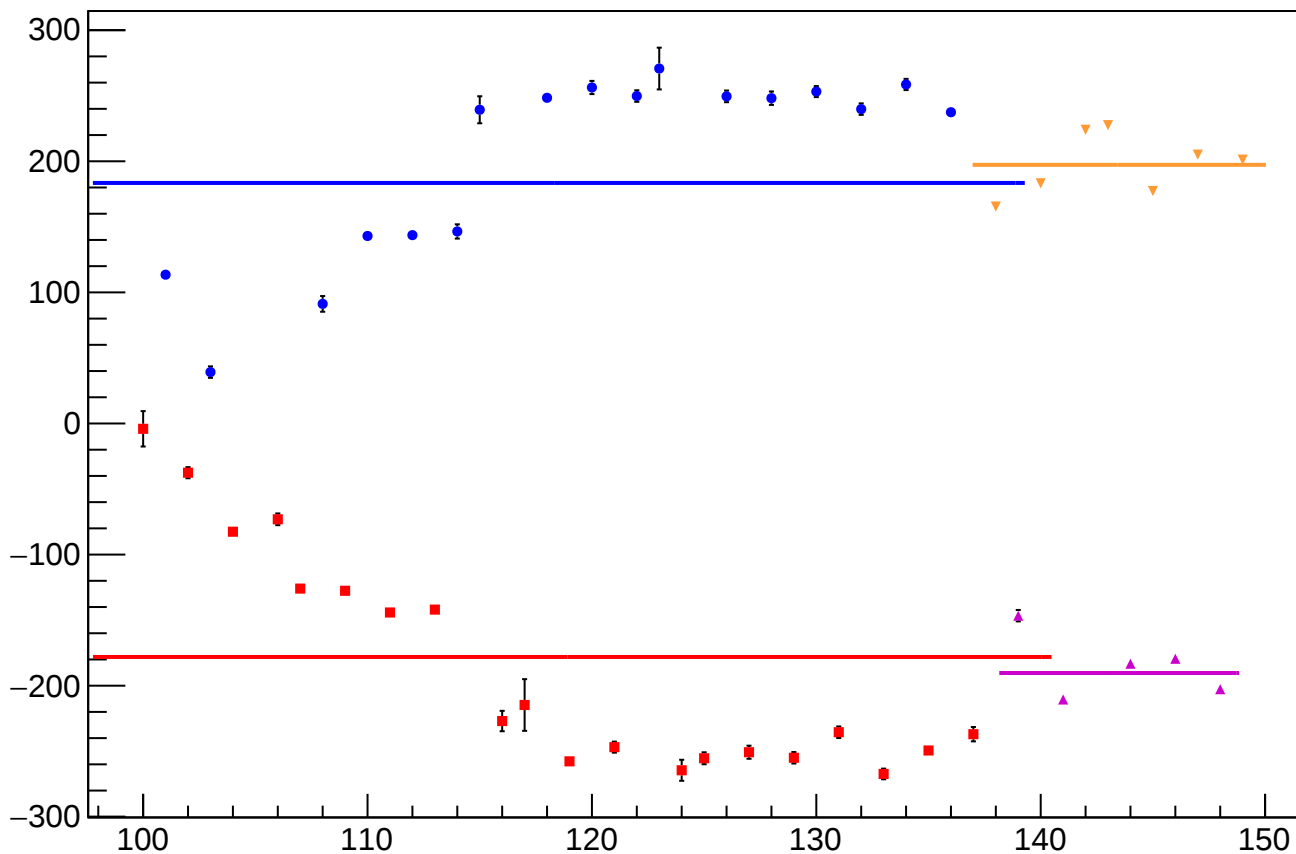
Left In: 125.574 ± 0.950 $\chi^2/\text{NDF}: 517.0/4$

-112.102 ± 0.734 $\chi^2/\text{NDF}: 2854.1/23$

-7.495 ± 0.533 $\chi^2/\text{NDF}: 48204.7/48$

109.807 ± 0.777 $\chi^2/\text{NDF}: 2226.9/24$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 $\pm$ 0.919 χ^2/NDF : 5331.4/16

Left Out: 197.296 $\pm$ 0.717 χ^2/NDF : 683.2/6

Right Out: -178.092 $\pm$ 0.923 χ^2/NDF : 6349.2/19

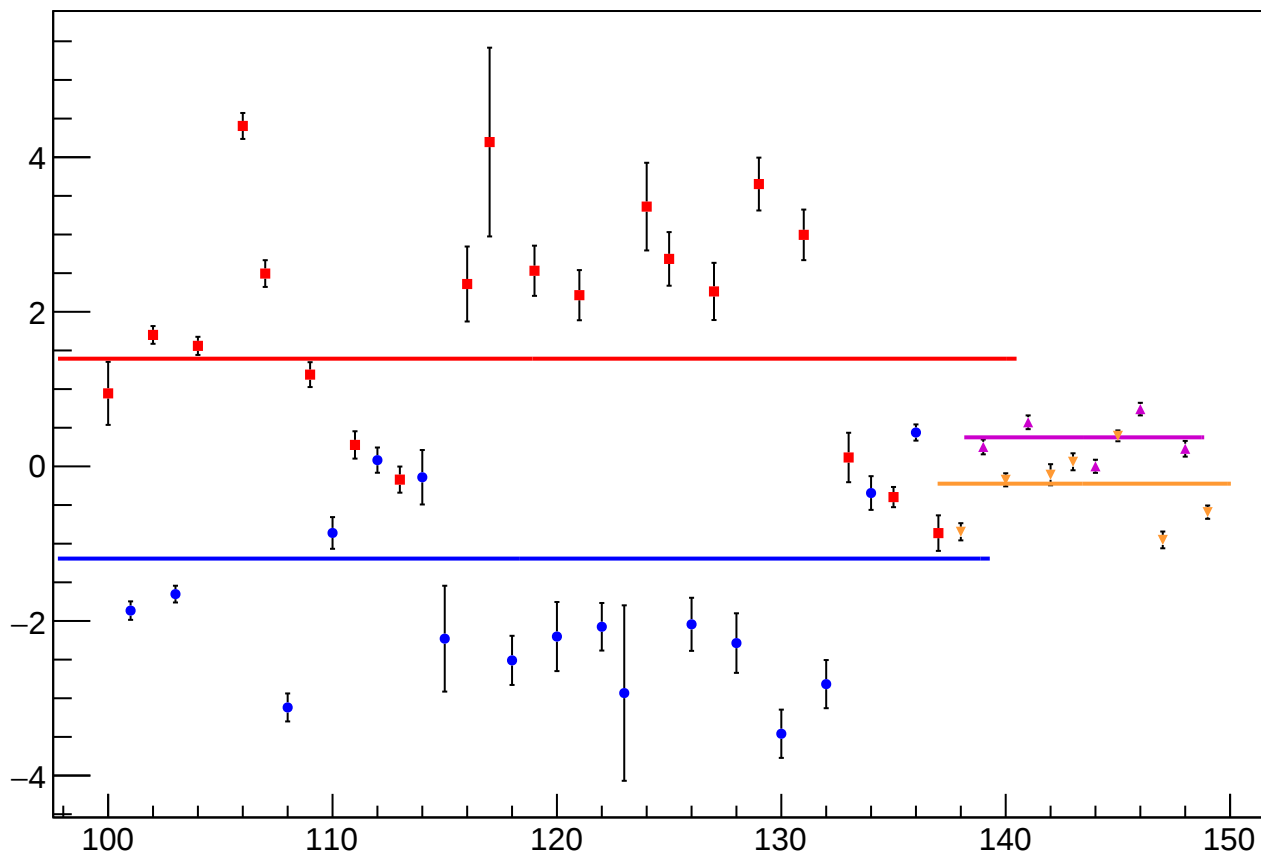
Left In: -190.324 $\pm$ 0.790 χ^2/NDF : 359.4/4

192.064 $\pm$ 0.565 χ^2/NDF : 6155.2/23

14.674 $\pm$ 0.411 χ^2/NDF : 222391.3/48

-185.155 $\pm$ 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: -0.224+/-0.036 χ^2/NDF : 179.8/6

Right Out: 1.393+/-0.046 χ^2/NDF : 925.8/19

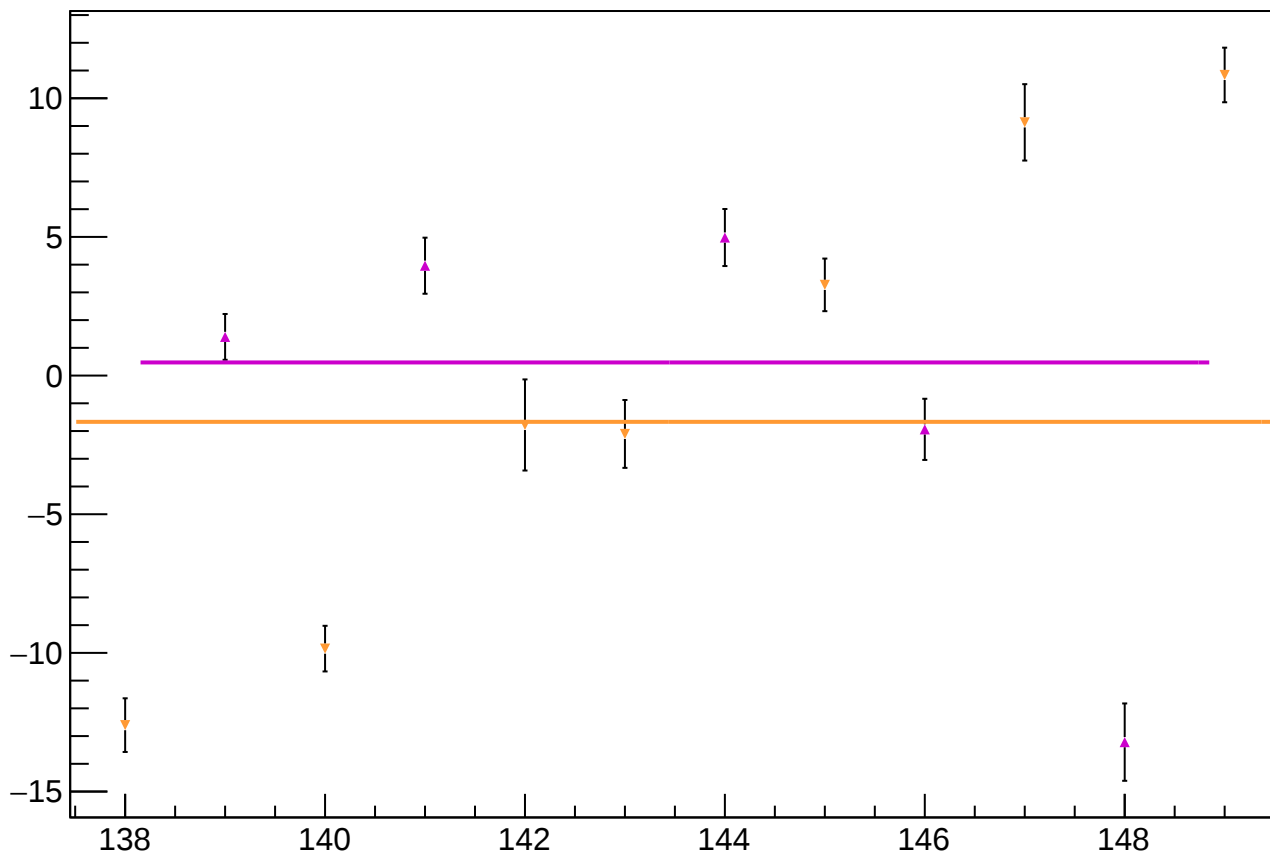
Left In: 0.376+/-0.040 χ^2/NDF : 48.1/4

-0.569+/-0.029 χ^2/NDF : 1062.1/23

0.091+/-0.021 χ^2/NDF : 3422.2/48

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: -1.668+/-0.400 χ^2/NDF : 476.7/6

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

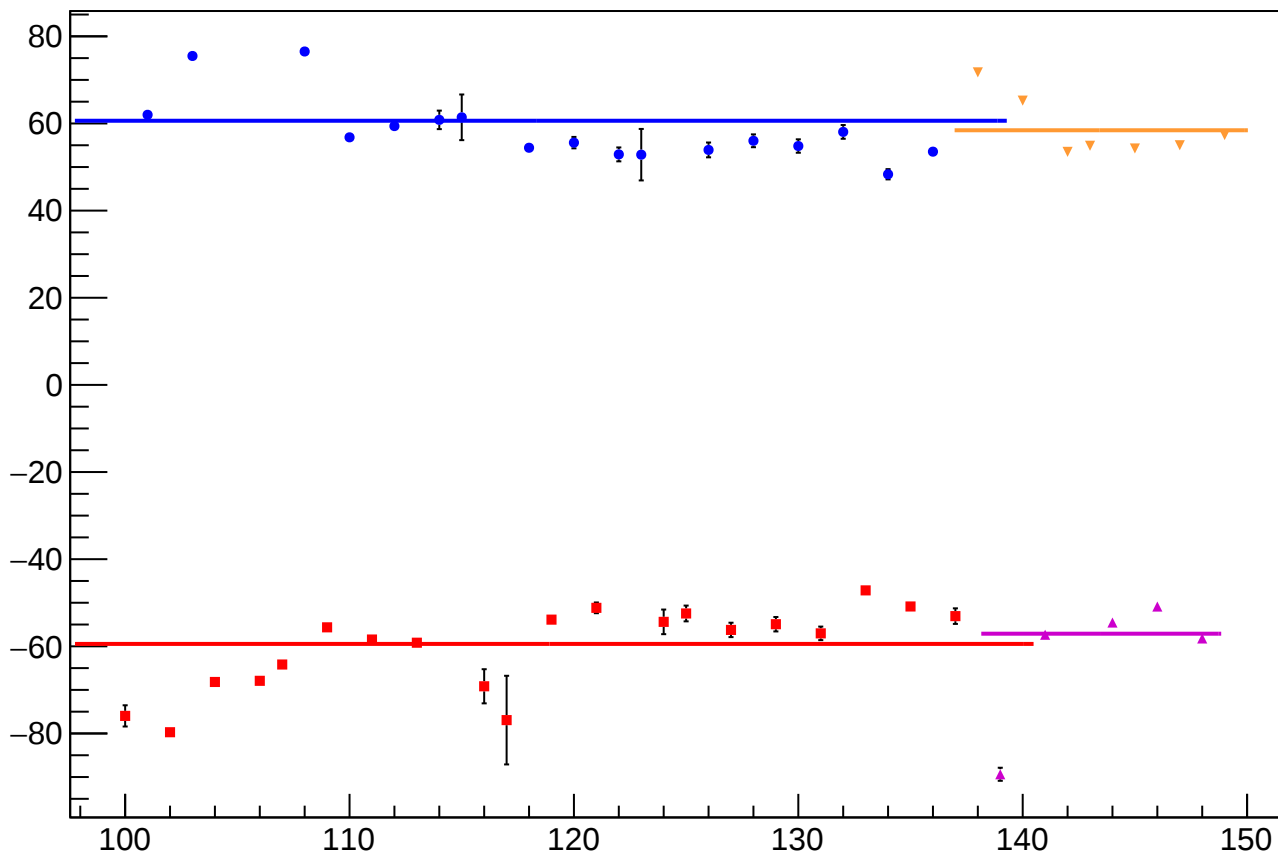
Left In: 0.473+/-0.460 χ^2/NDF : 133.5/4

-1.668+/-0.400 χ^2/NDF : 476.7/6

-0.747+/-0.302 χ^2/NDF : 622.6/11

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 χ^2 /NDF: 924.6/16

Left Out: 58.440+/-0.293 χ^2 /NDF: 359.0/6

Right Out: -59.448+/-0.248 χ^2 /NDF: 1326.3/19

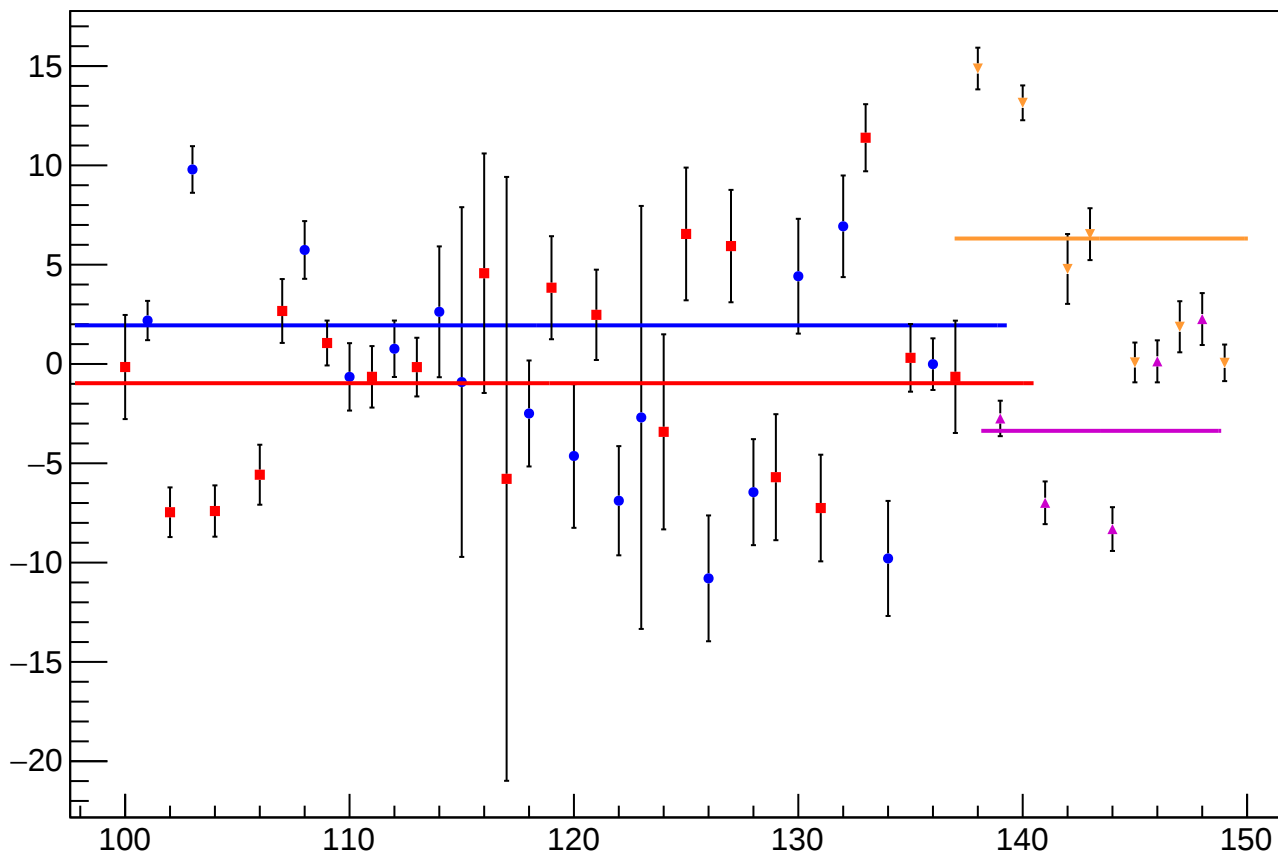
Left In: -57.103+/-0.348 χ^2 /NDF: 555.8/4

59.648+/-0.196 χ^2 /NDF: 1314.4/23

2.355+/-0.140 χ^2 /NDF: 180367.1/48

-58.660+/-0.202 χ^2 /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: 6.316 ± 0.412 χ^2/NDF : 224.9/6

Right Out: -0.968 ± 0.424 χ^2/NDF : 149.6/19

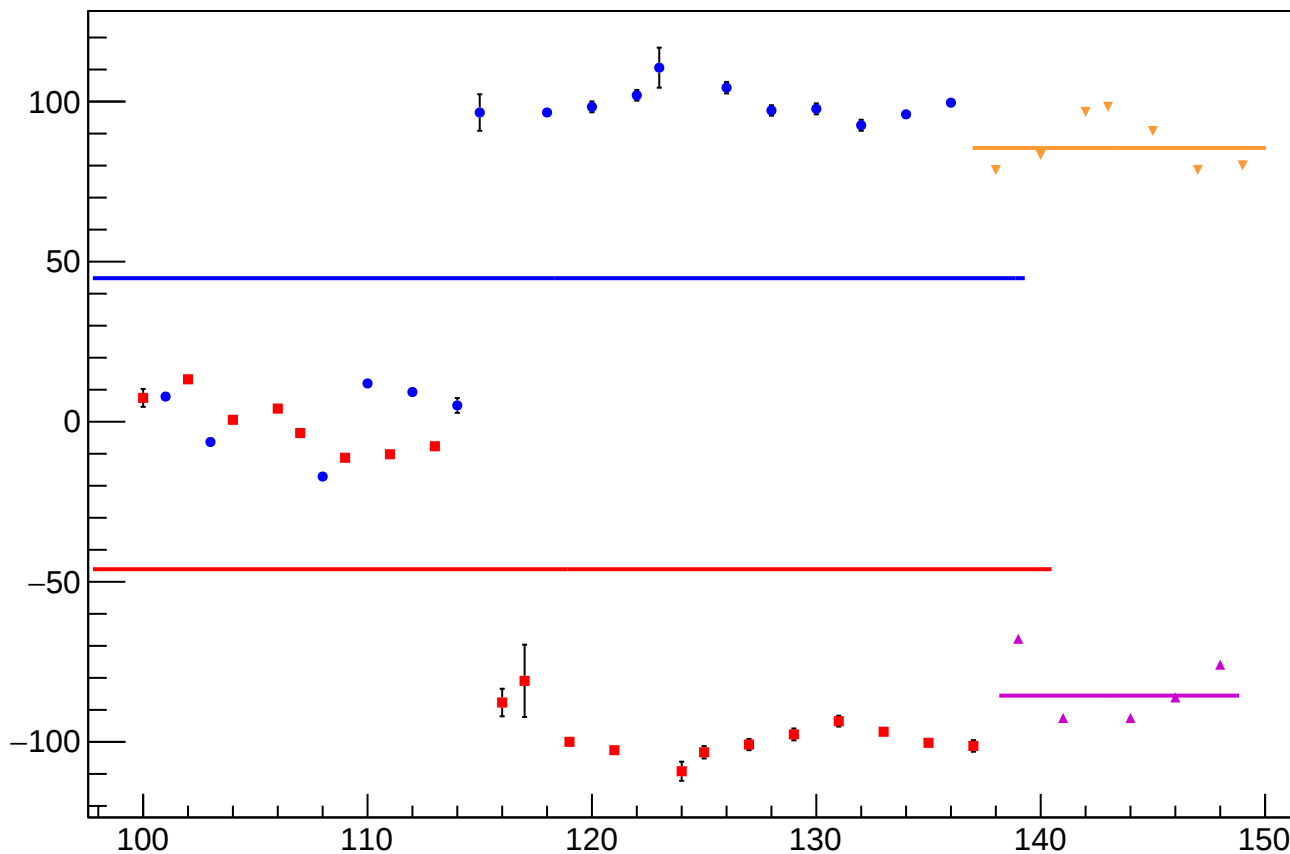
Left In: -3.366 ± 0.476 χ^2/NDF : 61.4/4

4.366 ± 0.306 χ^2/NDF : 395.8/23

1.272 ± 0.220 χ^2/NDF : 831.9/48

-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: 85.515+/-0.355 χ^2/NDF : 423.9/6

Right Out: -46.062+/-0.289 χ^2/NDF : 28272.9/19

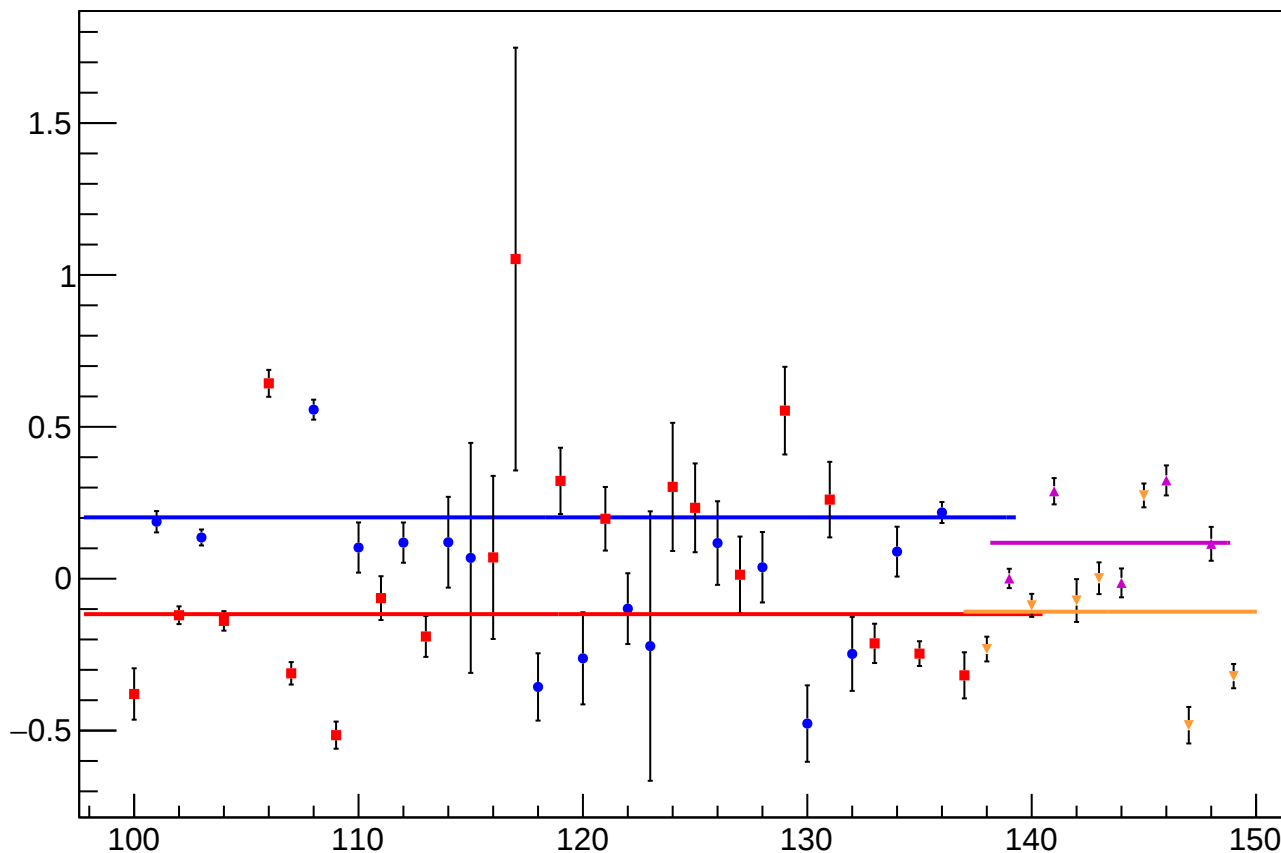
Left In: -85.545+/-0.426 χ^2/NDF : 382.3/4

62.091+/-0.231 χ^2/NDF : 32753.6/23

3.882+/-0.166 χ^2/NDF : 198683.0/48

-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: -0.109 $\pm$ 0.017 χ^2 /NDF:176.2/6

Right Out: -0.117 $\pm$ 0.013 χ^2 /NDF: 502.5/19

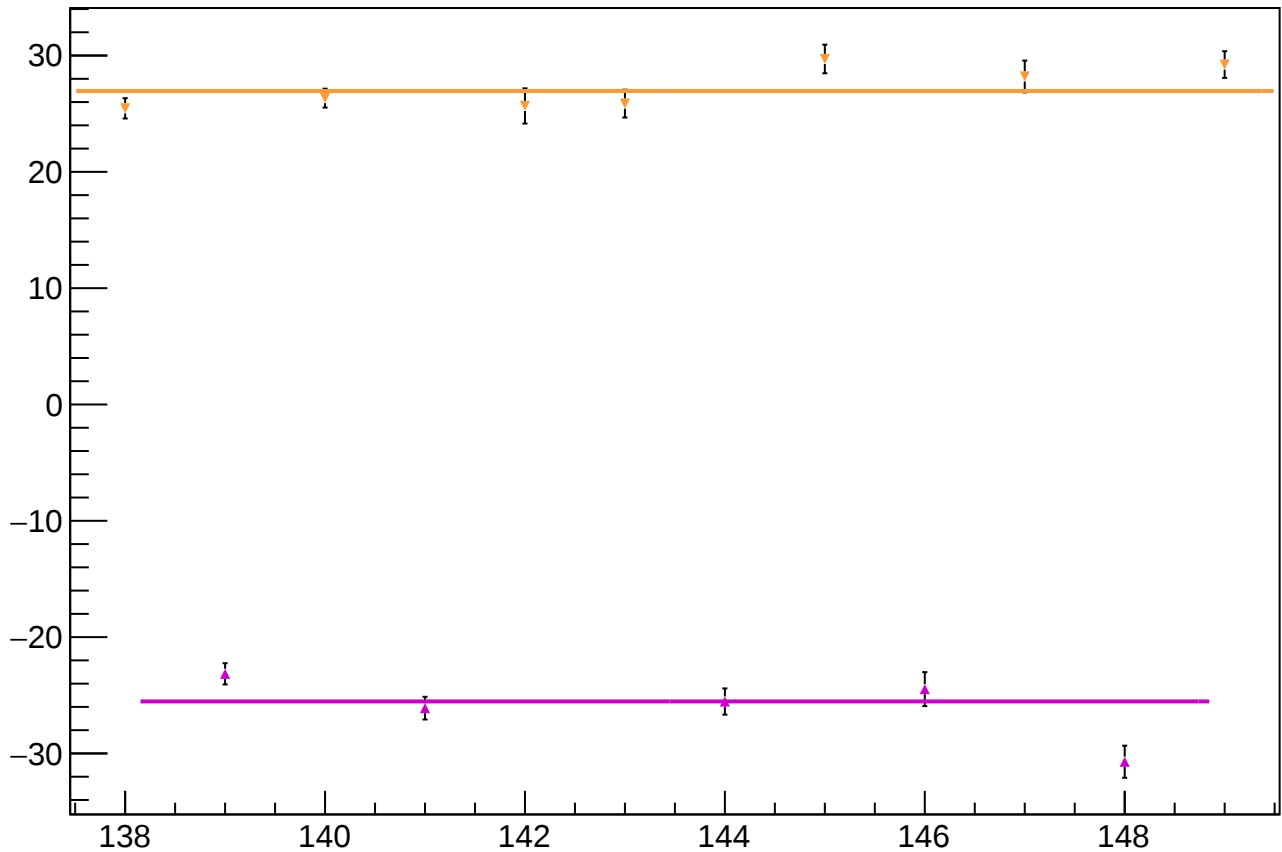
Left In: 0.118 $\pm$ 0.019 χ^2 /NDF:54.0/4

0.077 $\pm$ 0.011 χ^2 /NDF: 589.0/23

0.017 $\pm$ 0.008 χ^2 /NDF: 1308.5/48

-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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 26.953+/-0.411 χ^2/NDF : 14.8/6

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

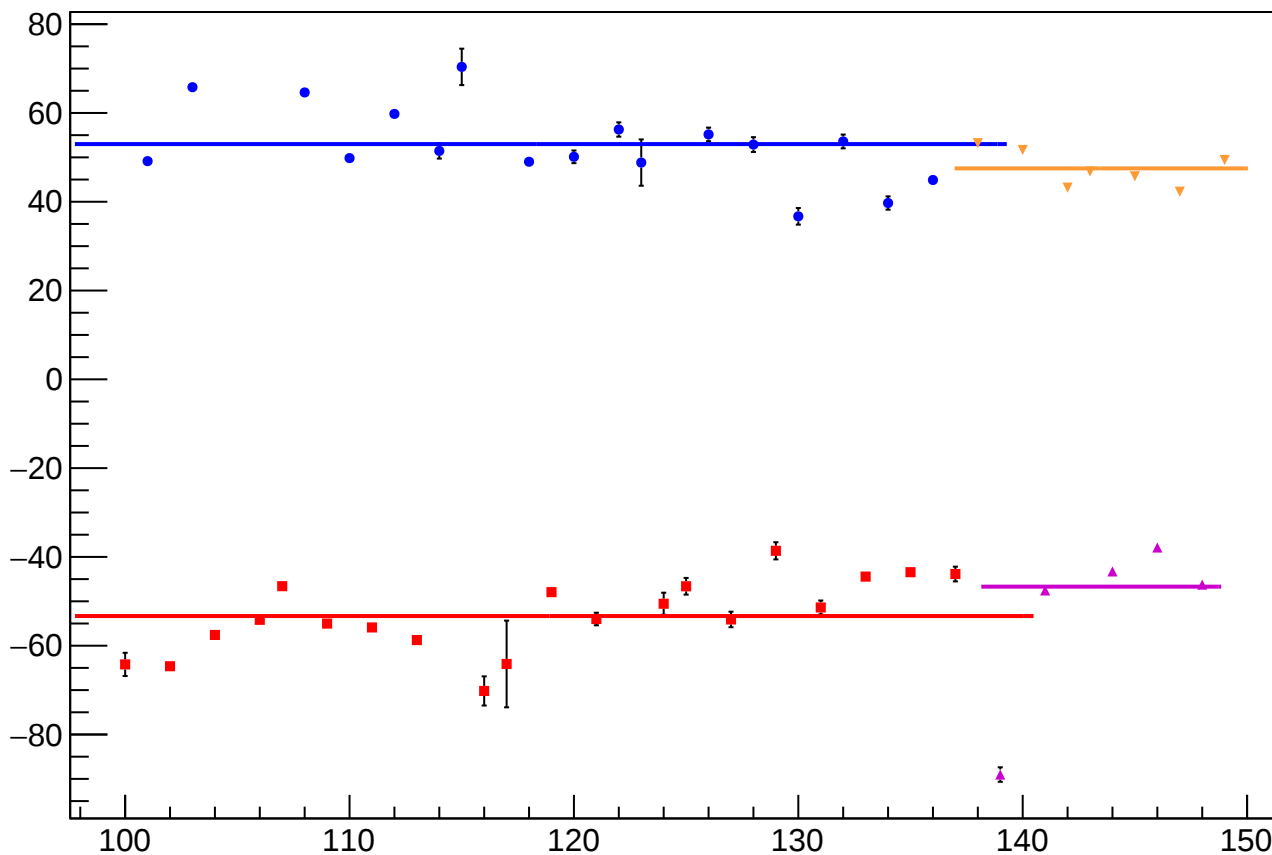
Left In: -25.528+/-0.498 χ^2/NDF : 21.7/4

26.953+/-0.411 χ^2/NDF : 14.8/6

5.707+/-0.317 χ^2/NDF : 6641.1/11

-25.528+/-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: 47.514 $\pm$ 0.299 χ^2 /NDF: 173.0/6

Right Out: -53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

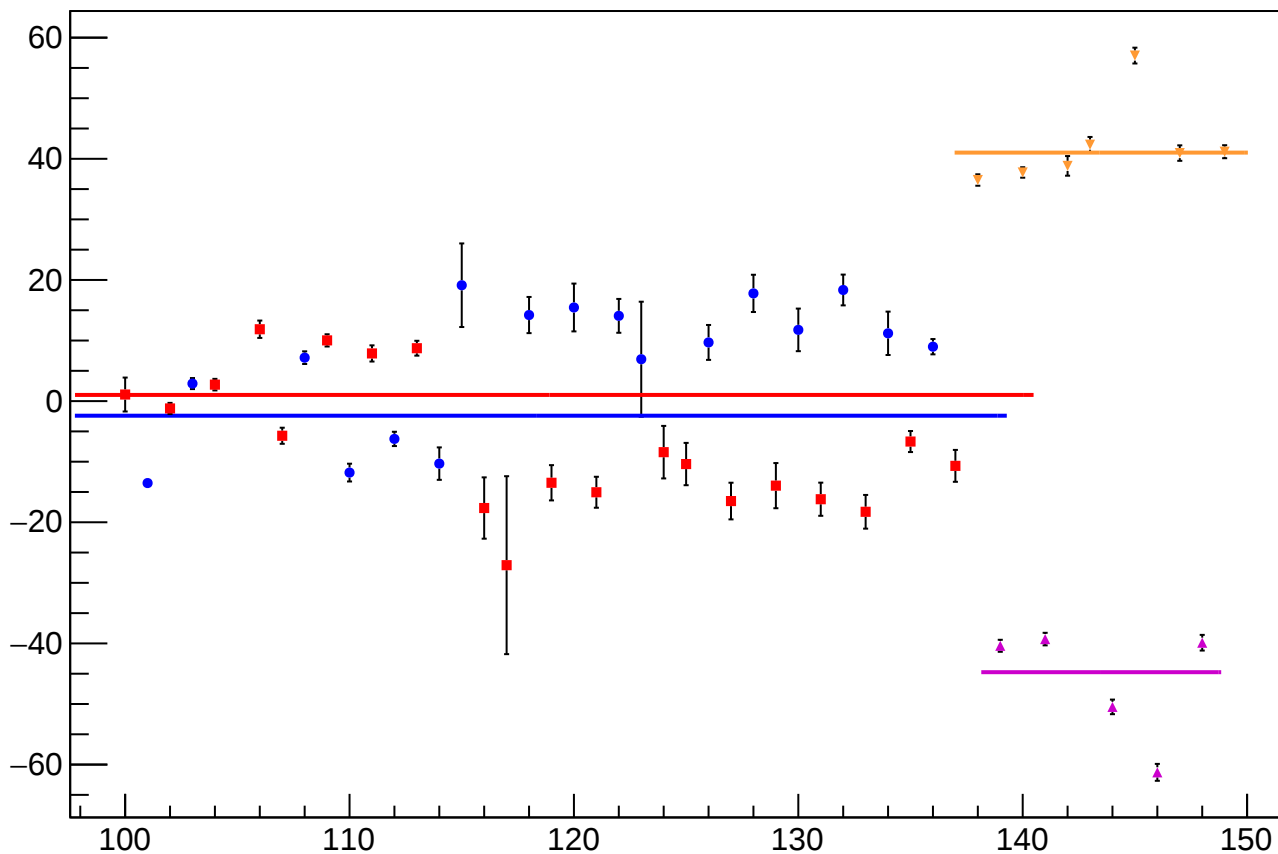
Left In: -46.697 $\pm$ 0.367 χ^2 /NDF: 790.4/4

51.173 $\pm$ 0.172 χ^2 /NDF: 1594.6/23

5.564 $\pm$ 0.129 χ^2 /NDF: 161009.6/48

-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: 41.024 ± 0.426 χ^2/NDF : 190.8/6

Right Out: 1.021 ± 0.377 χ^2/NDF : 511.2/19

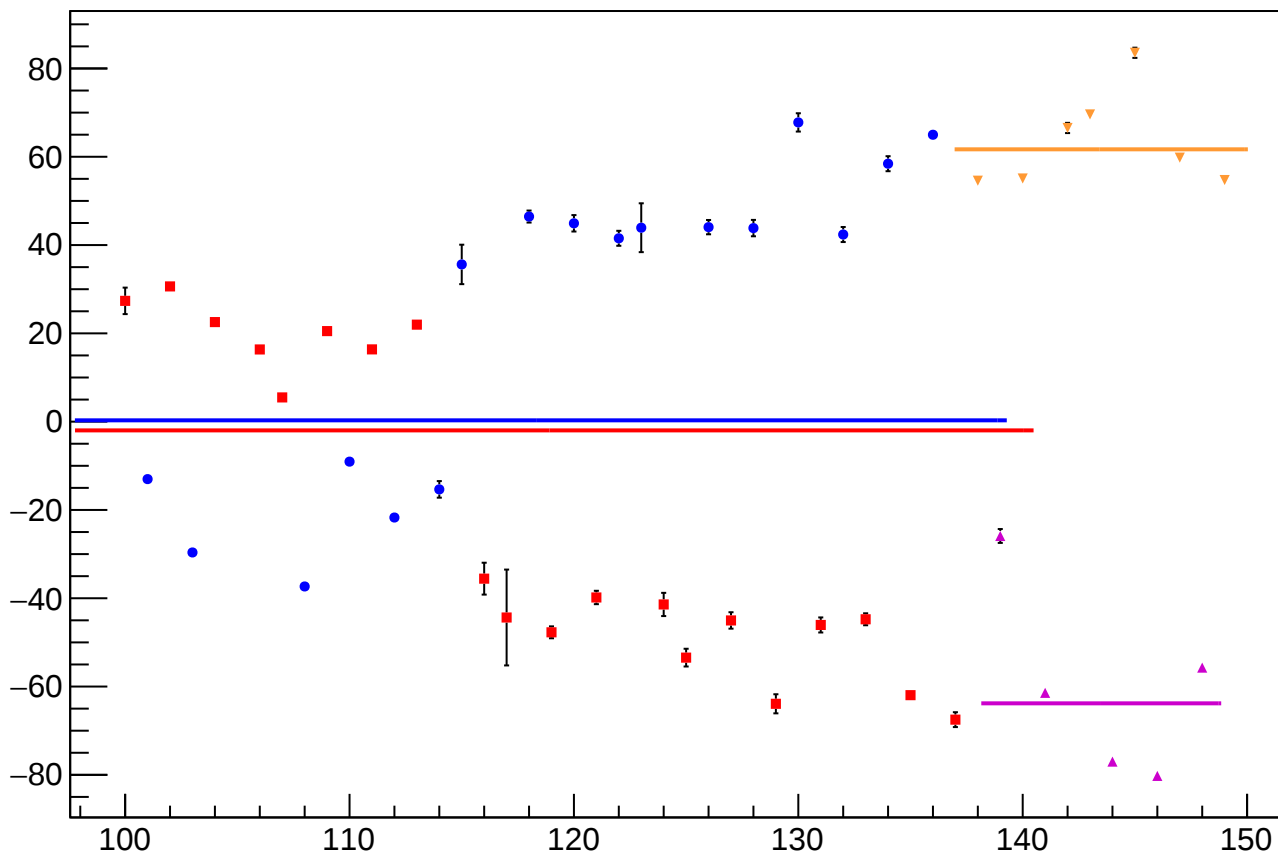
Left In: -44.749 ± 0.517 χ^2/NDF : 224.2/4

15.956 ± 0.277 χ^2/NDF : 7034.9/23

2.004 ± 0.205 χ^2/NDF : 18509.7/48

-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: 61.685+/-0.365 χ^2/NDF : 619.2/6

Right Out: -1.978+/-0.267 χ^2/NDF : 15465.9/19

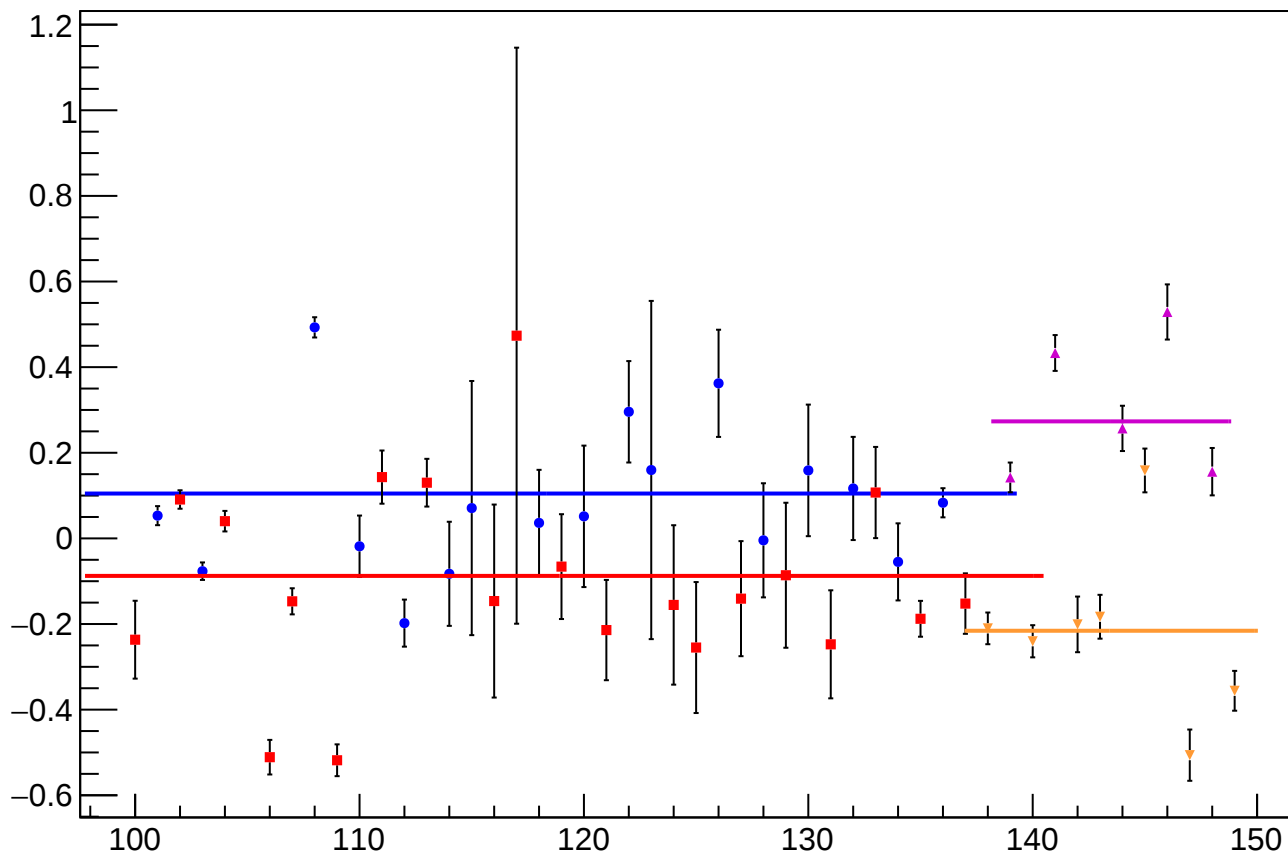
Left In: -63.803+/-0.453 χ^2/NDF : 1073.5/4

19.606+/-0.205 χ^2/NDF : 38237.7/23

3.019+/-0.153 χ^2/NDF : 83398.9/48

-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: -0.216 ± 0.018 $\chi^2/\text{NDF}: 87.2/6$

Right Out: -0.088 ± 0.011 $\chi^2/\text{NDF}: 391.6/19$

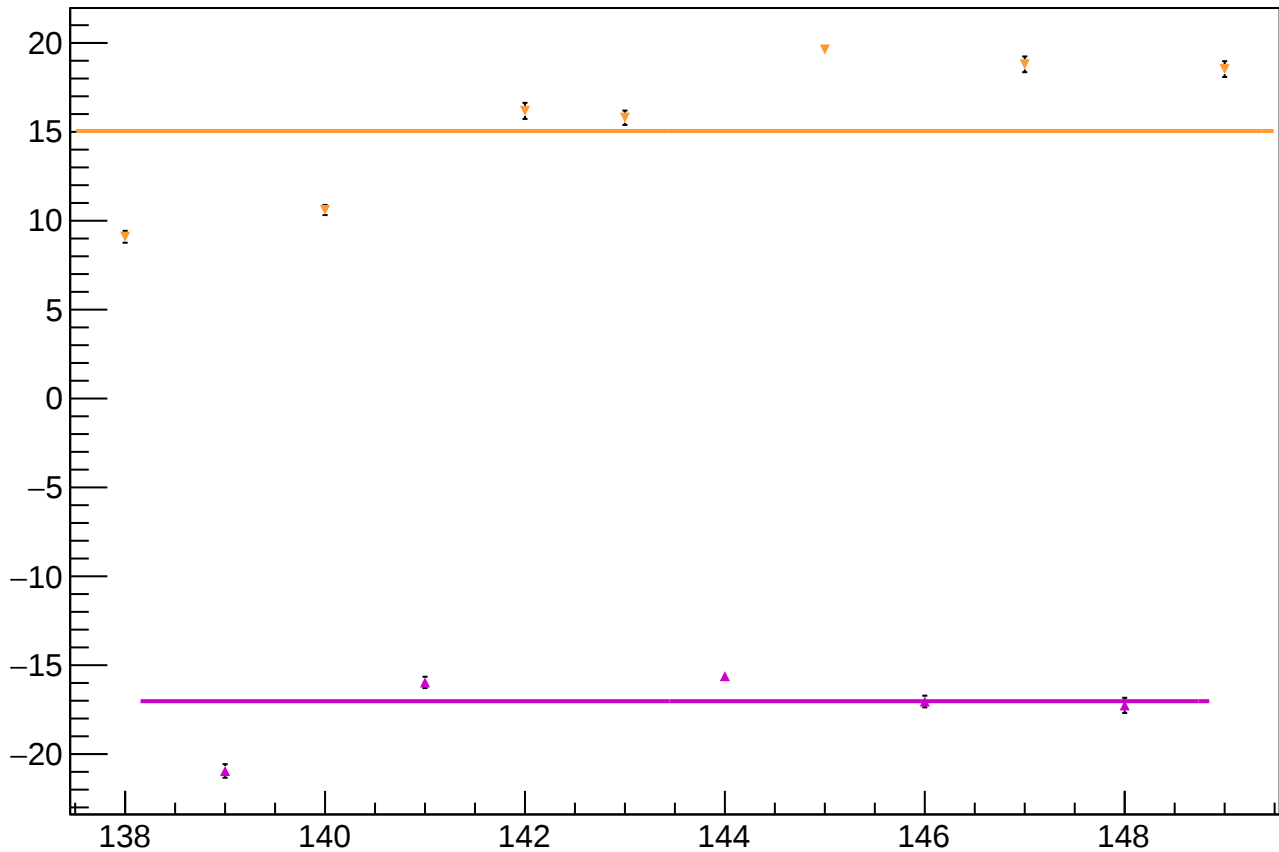
Left In: 0.273 ± 0.021 $\chi^2/\text{NDF}: 49.1/4$

0.015 ± 0.009 $\chi^2/\text{NDF}: 723.4/23$

0.004 ± 0.007 $\chi^2/\text{NDF}: 1403.3/48$

-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: 15.049+/-0.134 χ^2/NDF : 980.8/6

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

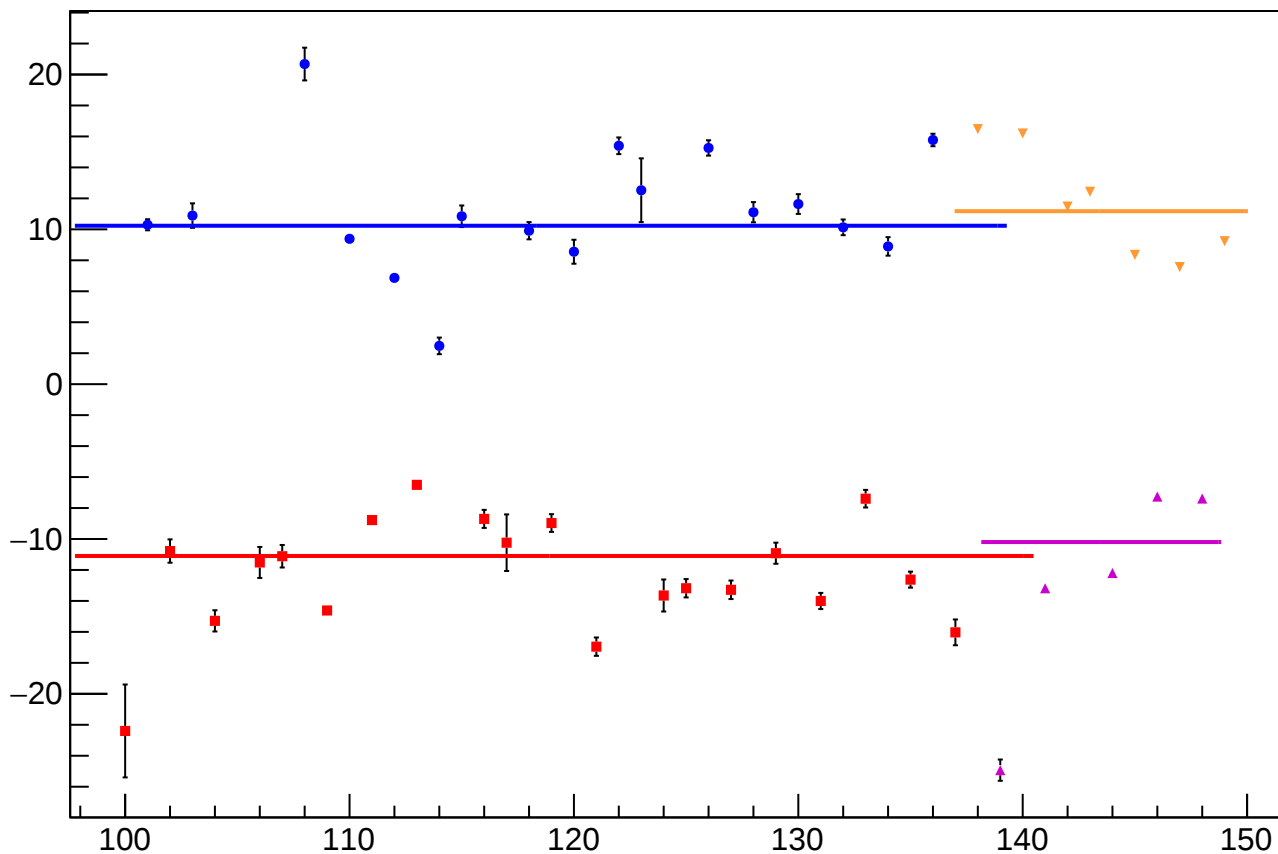
Left In: -17.025+/-0.151 χ^2/NDF : 141.0/4

15.049+/-0.134 χ^2/NDF : 980.8/6

0.911+/-0.100 χ^2/NDF : 26372.1/11

-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: 11.174 ± 0.096 $\chi^2/\text{NDF}: 1271.9/6$

Right Out: -11.096 ± 0.116 $\chi^2/\text{NDF}: 818.0/19$

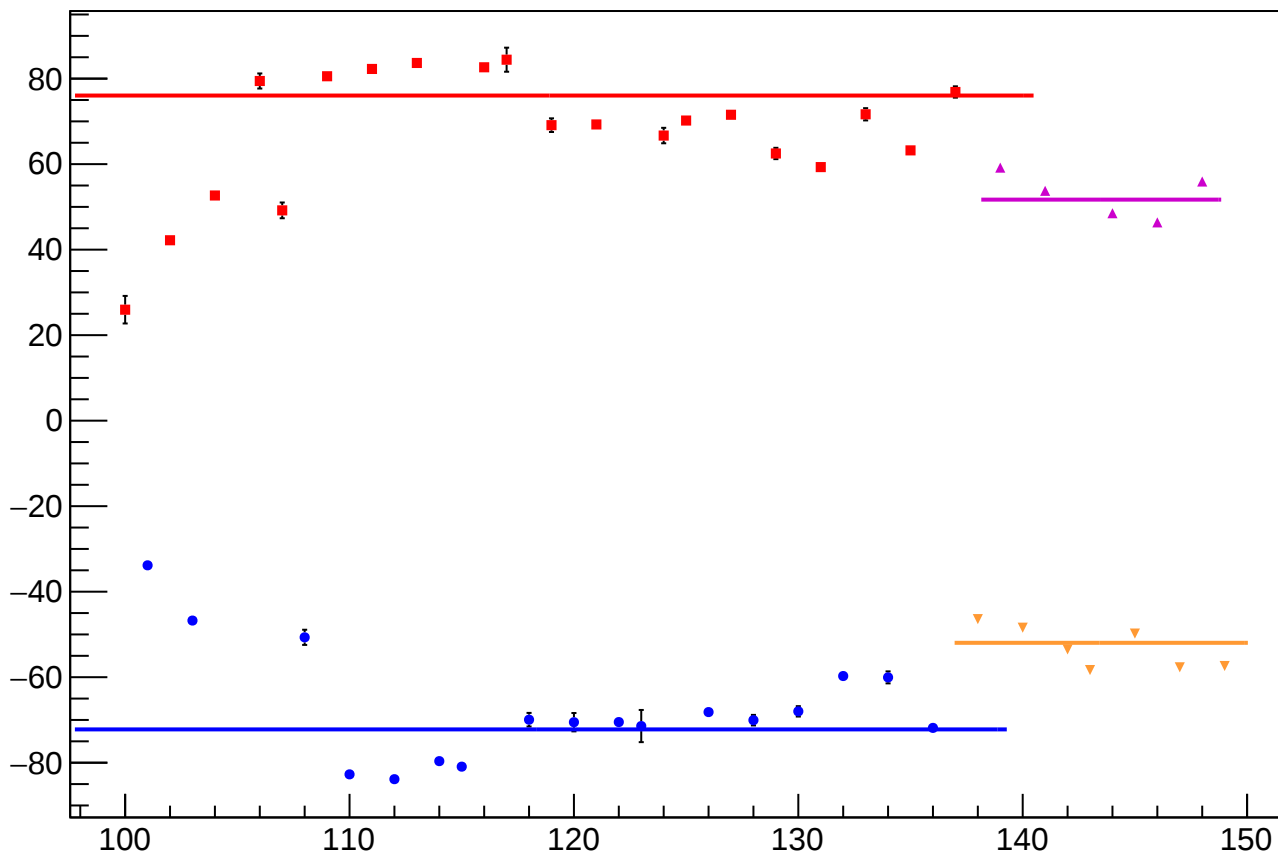
Left In: -10.197 ± 0.103 $\chi^2/\text{NDF}: 1134.9/4$

10.807 ± 0.075 $\chi^2/\text{NDF}: 2186.6/23$

0.435 ± 0.054 $\chi^2/\text{NDF}: 44070.3/48$

-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 $\pm$ 0.198 χ^2 /NDF: 5566.2/16

Left Out: -51.957 $\pm$ 0.139 χ^2 /NDF: 1013.9/6

Right Out: 76.044 $\pm$ 0.181 χ^2 /NDF: 3472.2/19

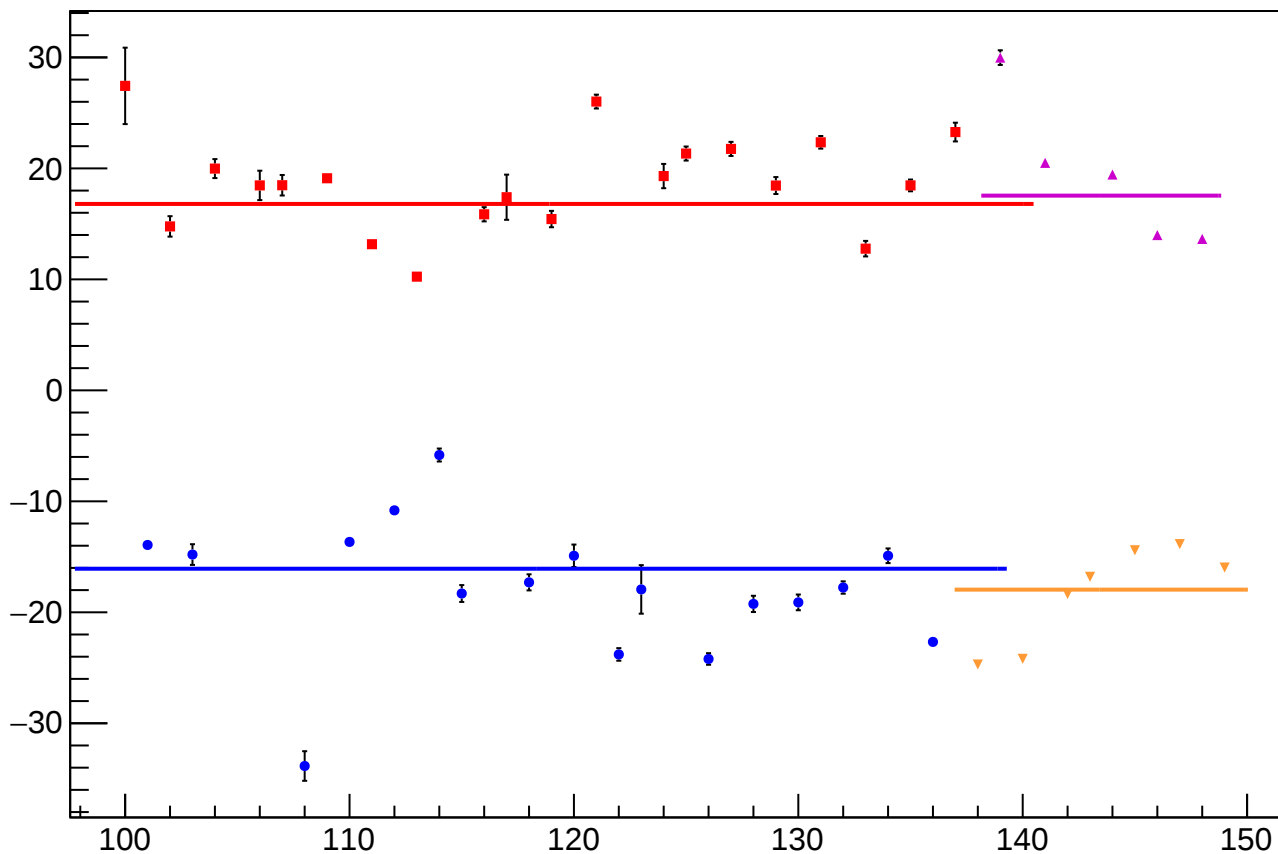
Left In: 51.700 $\pm$ 0.155 χ^2 /NDF: 866.6/4

-58.676 $\pm$ 0.114 χ^2 /NDF: 13573.0/23

-0.173 $\pm$ 0.082 χ^2 /NDF: 571361.4/48

62.015 $\pm$ 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: -17.957 ± 0.117 χ^2/NDF : 1268.5/6

Right Out: 16.797 ± 0.128 χ^2/NDF : 1216.1/19

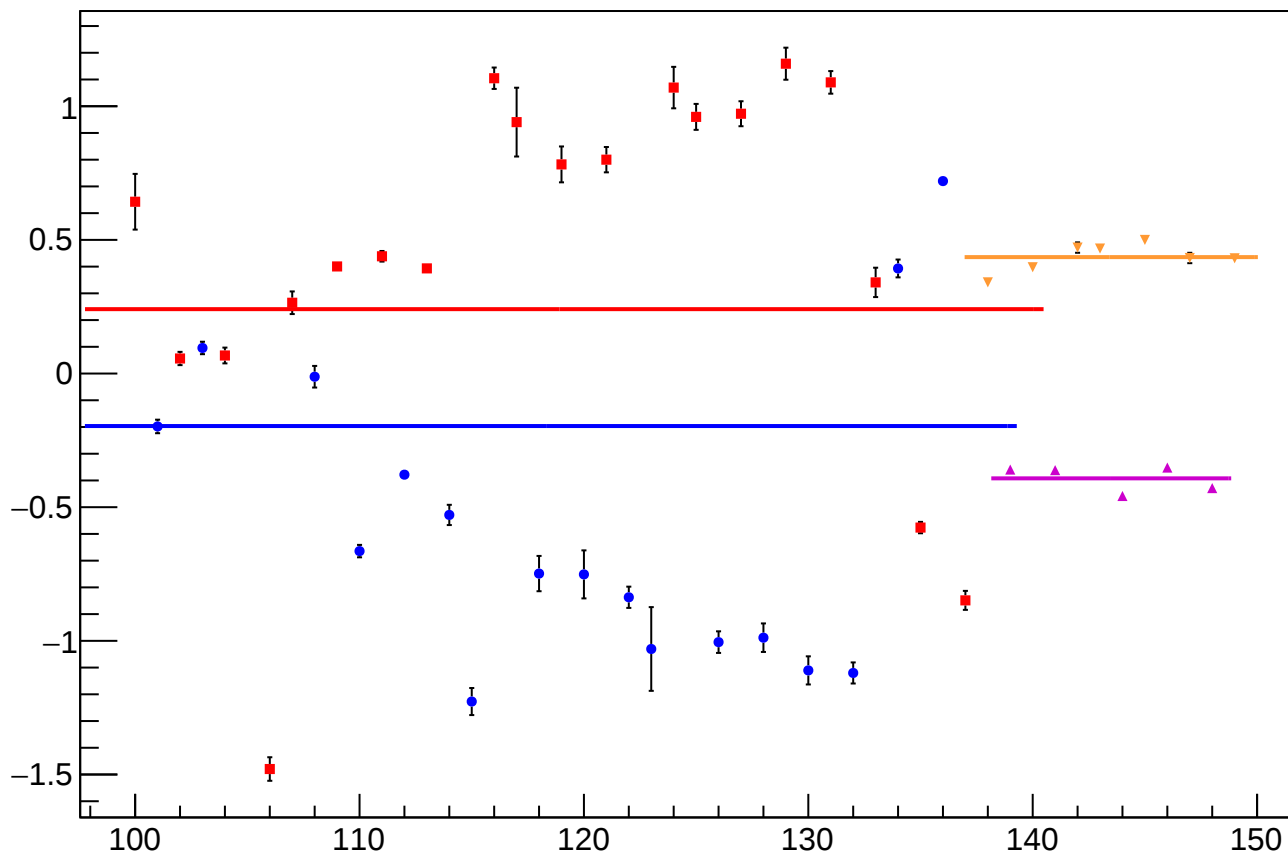
Left In: 17.546 ± 0.128 χ^2/NDF : 912.2/4

-17.133 ± 0.088 χ^2/NDF : 3022.8/23

-0.549 ± 0.063 χ^2/NDF : 79275.5/48

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 : 89.3/6

Right Out: 0.241 ± 0.007 χ^2/NDF : 6218.3/19

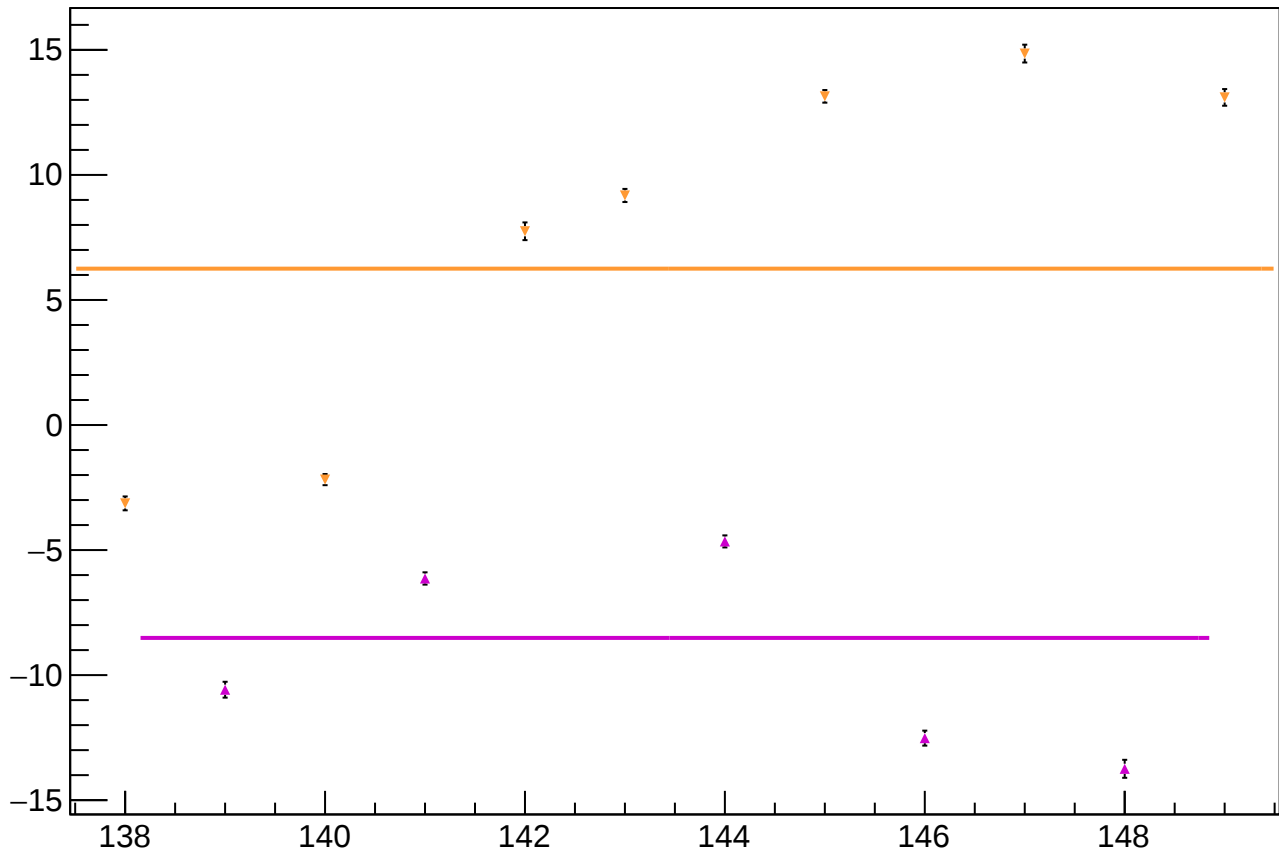
Left In: -0.392 ± 0.006 χ^2/NDF : 47.4/4

0.201 ± 0.005 χ^2/NDF : 10825.1/23

0.054 ± 0.003 χ^2/NDF : 23540.1/48

-0.108 ± 0.005 χ^2/NDF : 10559.5/24

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 6.253 $\pm$ 0.106 χ^2 /NDF: 4469.3/6

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

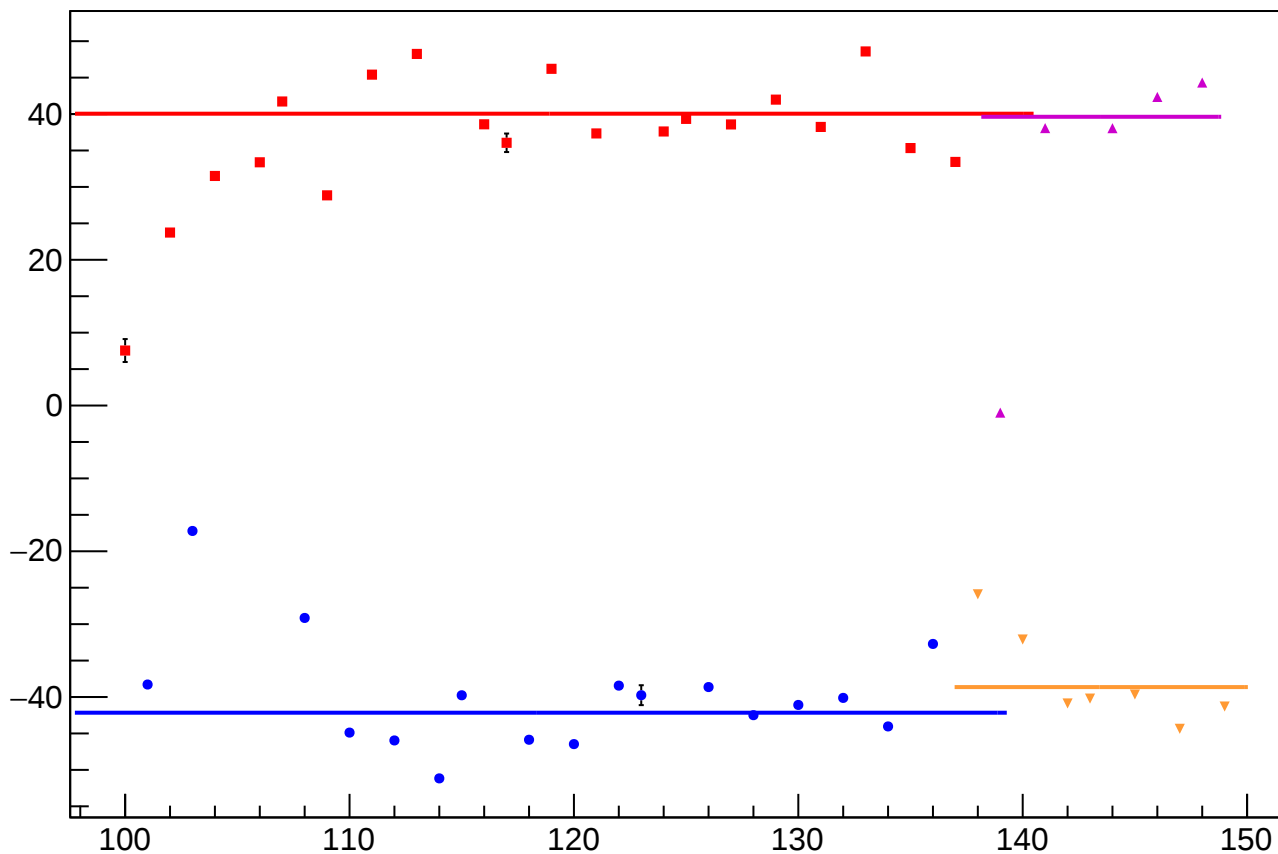
Left In: -8.513 $\pm$ 0.126 χ^2 /NDF: 782.7/4

6.253 $\pm$ 0.106 χ^2 /NDF: 4469.3/6

0.129 $\pm$ 0.081 χ^2 /NDF: 13229.8/11

-8.513 $\pm$ 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: -38.638 ± 0.075 χ^2/NDF : 5033.2/6

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

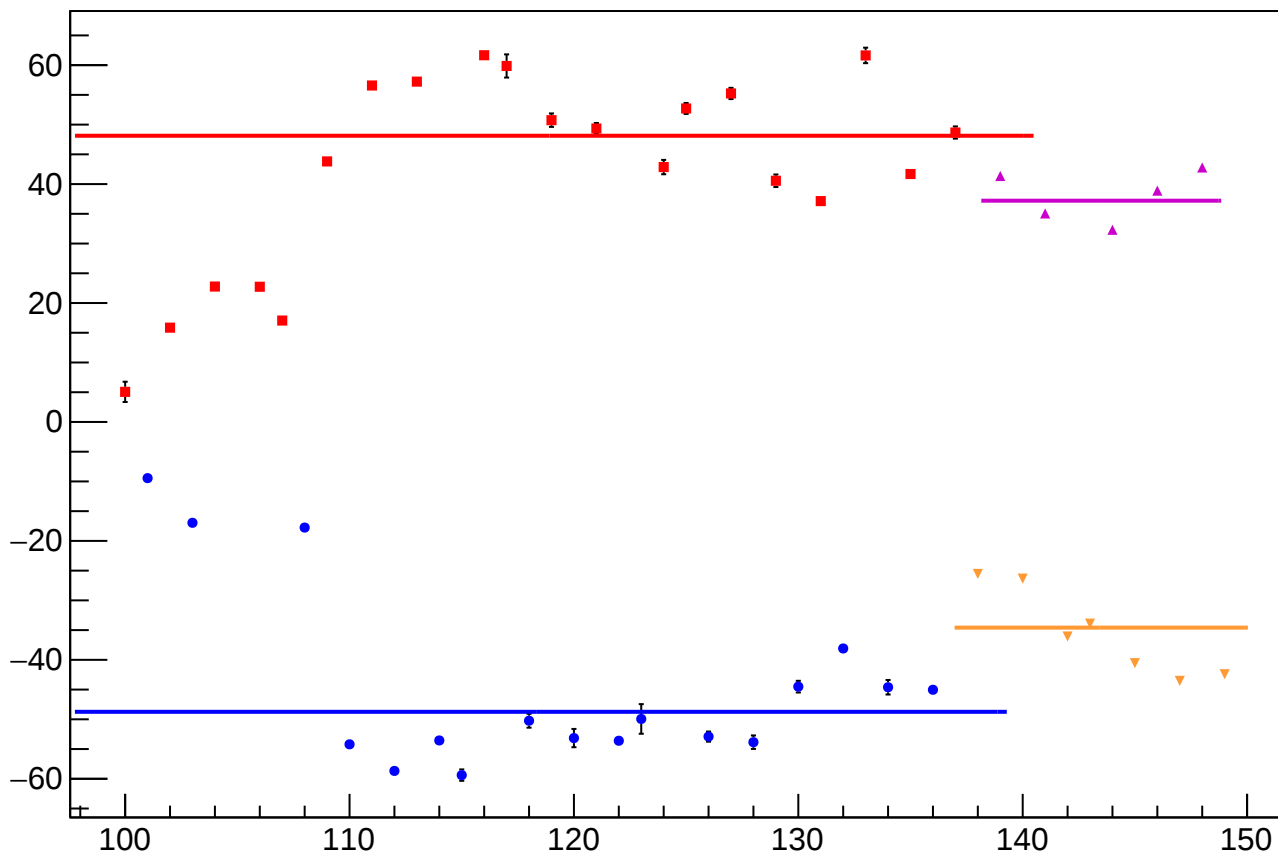
Left In: 39.626 ± 0.087 χ^2/NDF : 6219.1/4

-40.337 ± 0.054 χ^2/NDF : 12639.7/23

-1.421 ± 0.039 χ^2/NDF : 1091130.1/48

39.876 ± 0.056 χ^2/NDF : 17565.1/24

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 $\pm$ 0.125 χ^2 /NDF: 14658.1/16

Left Out: -34.582 $\pm$ 0.111 χ^2 /NDF: 3981.4/6

Right Out: 48.127 $\pm$ 0.107 χ^2 /NDF: 11769.6/19

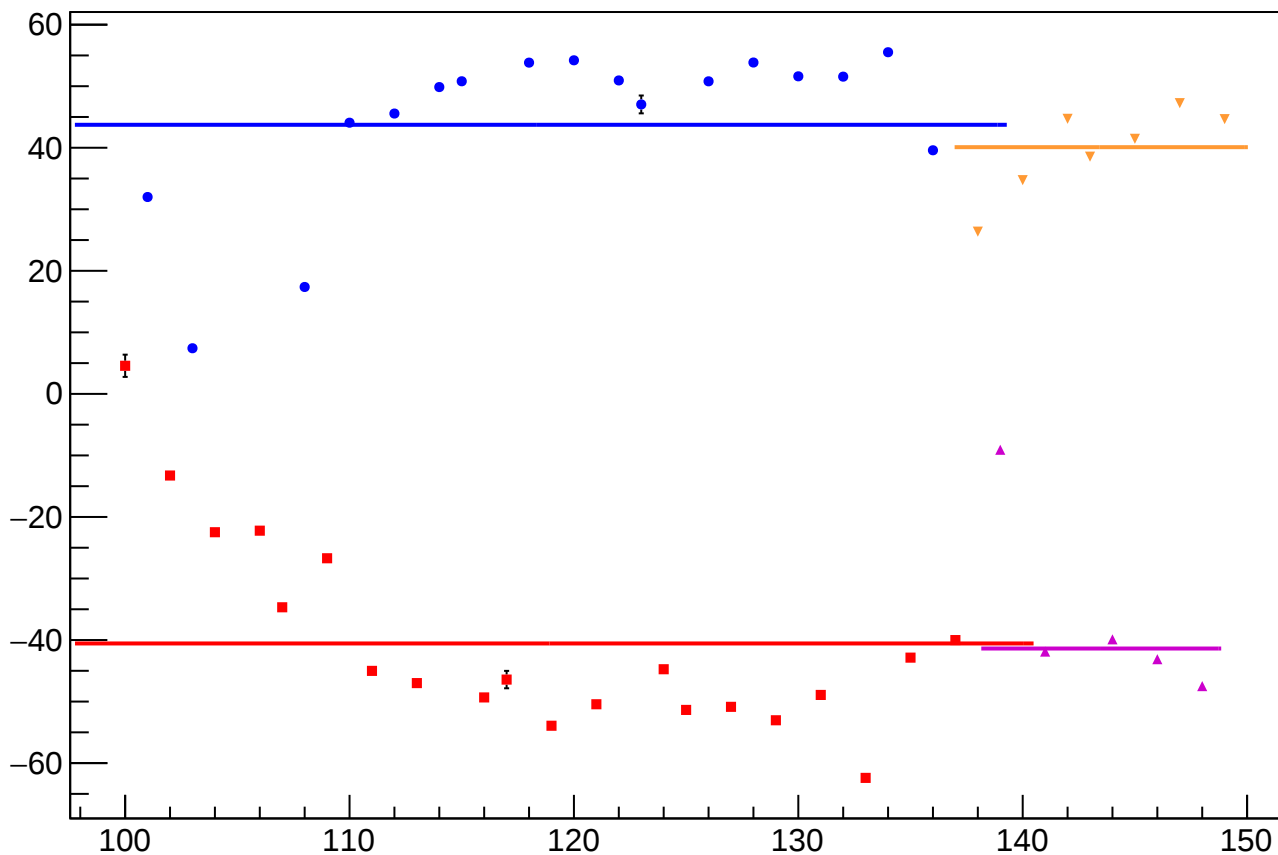
Left In: 37.205 $\pm$ 0.130 χ^2 /NDF: 881.2/4

-40.822 $\pm$ 0.083 χ^2 /NDF: 25860.7/23

1.447 $\pm$ 0.058 χ^2 /NDF: 565186.9/48

43.722 $\pm$ 0.083 χ^2 /NDF: 16847.9/24

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 ± 0.087 $\chi^2/\text{NDF}: 10567.7/16$

Left Out: 40.093 ± 0.092 $\chi^2/\text{NDF}: 4177.1/6$

Right Out: -40.556 ± 0.080 $\chi^2/\text{NDF}: 17618.6/19$

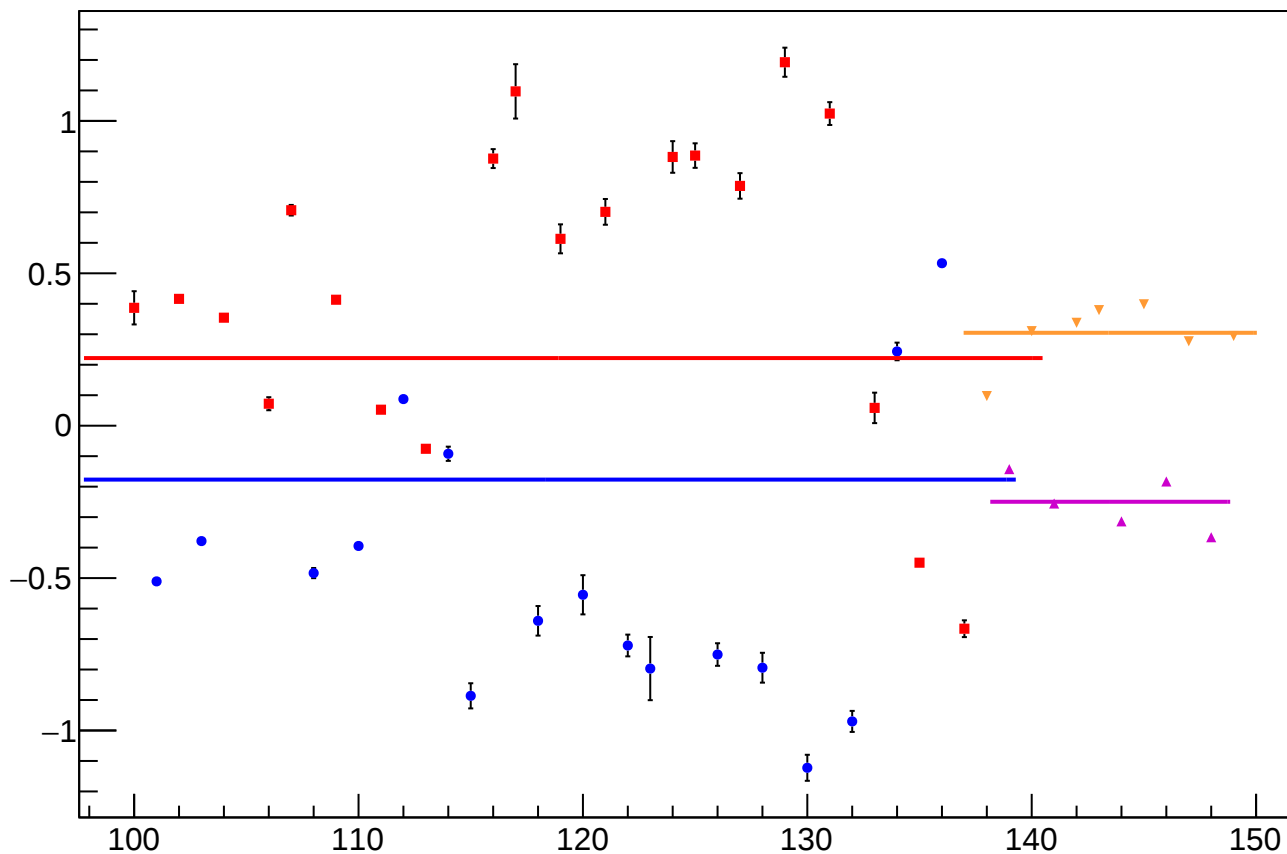
Left In: -41.380 ± 0.109 $\chi^2/\text{NDF}: 4245.7/4$

42.021 ± 0.063 $\chi^2/\text{NDF}: 15569.5/23$

1.367 ± 0.045 $\chi^2/\text{NDF}: 880359.4/48$

-40.847 ± 0.064 $\chi^2/\text{NDF}: 21901.6/24$

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177+/-0.005 χ^2/NDF : 7364.7/16

Left Out: 0.305+/-0.005 χ^2/NDF : 433.6/6

Right Out: 0.222+/-0.004 χ^2/NDF : 7527.0/19

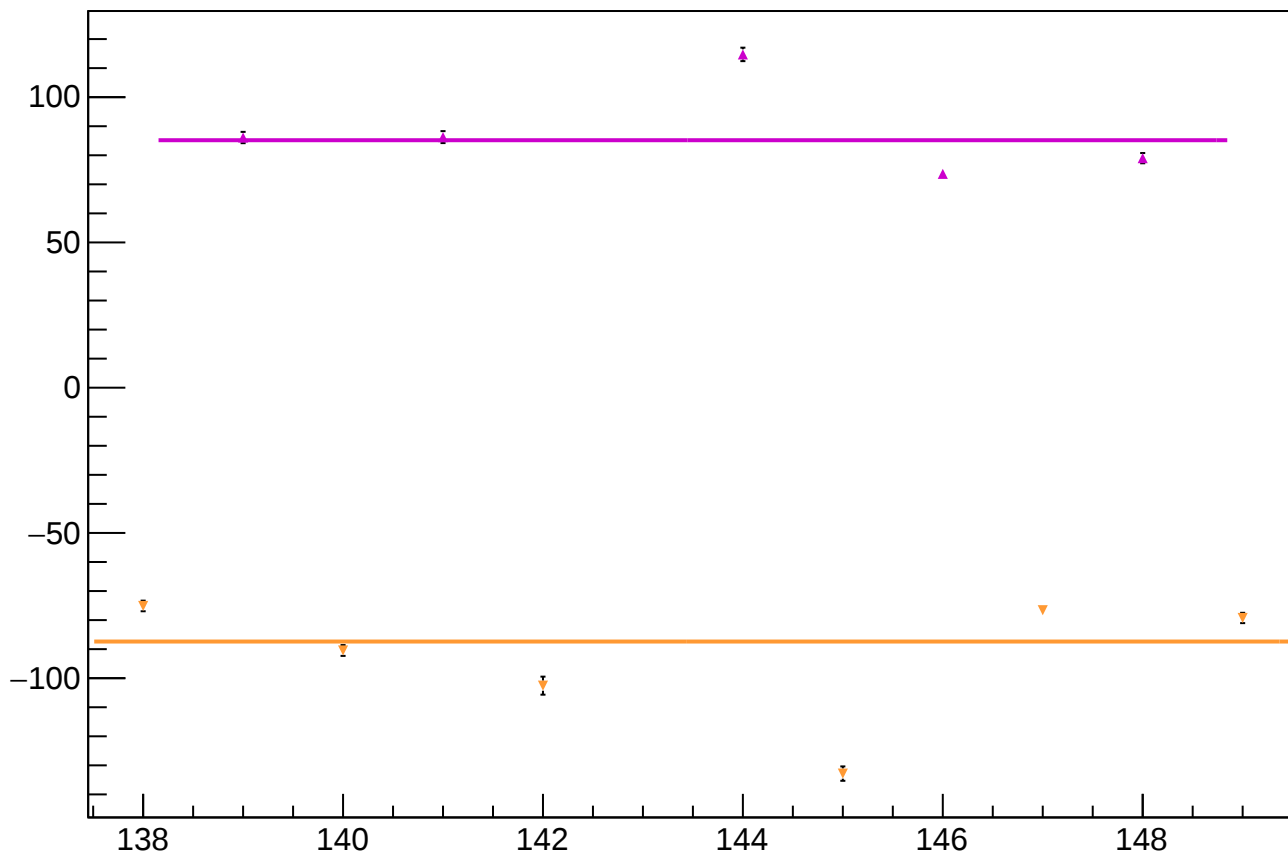
Left In: -0.250+/-0.005 χ^2/NDF : 201.6/4

0.076+/-0.003 χ^2/NDF : 13001.2/23

0.058+/-0.002 χ^2/NDF : 25436.5/48

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: -87.379+/-0.814 χ^2/NDF : 468.9/5

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

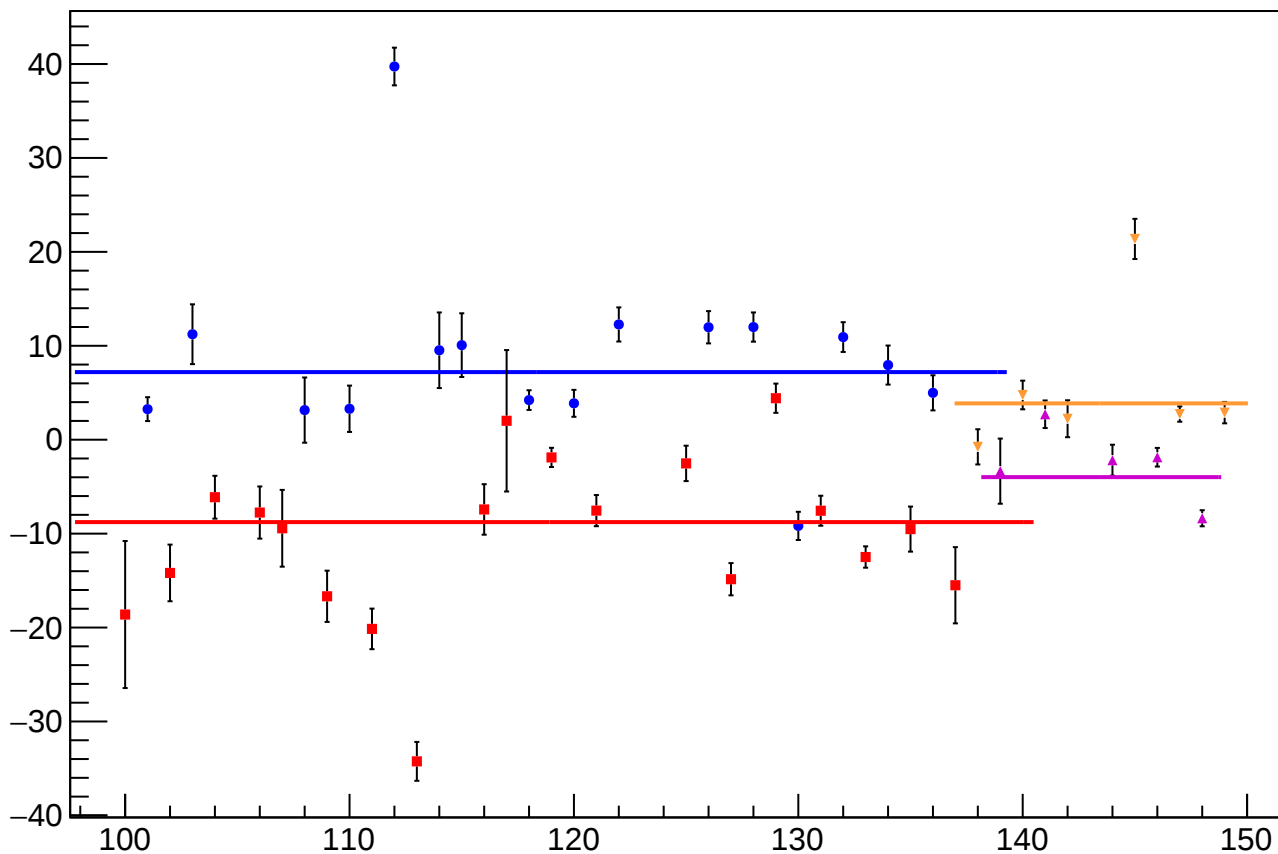
Left In: 85.185+/-0.859 χ^2/NDF : 221.6/4

-87.379+/-0.814 χ^2/NDF : 468.9/5

-5.763+/-0.591 χ^2/NDF : 21952.6/10

85.185+/-0.859 χ^2/NDF : 221.6/4

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 3.867 ± 0.537 χ^2/NDF : 76.8/5

Right Out: -8.772 ± 0.447 χ^2/NDF : 351.7/18

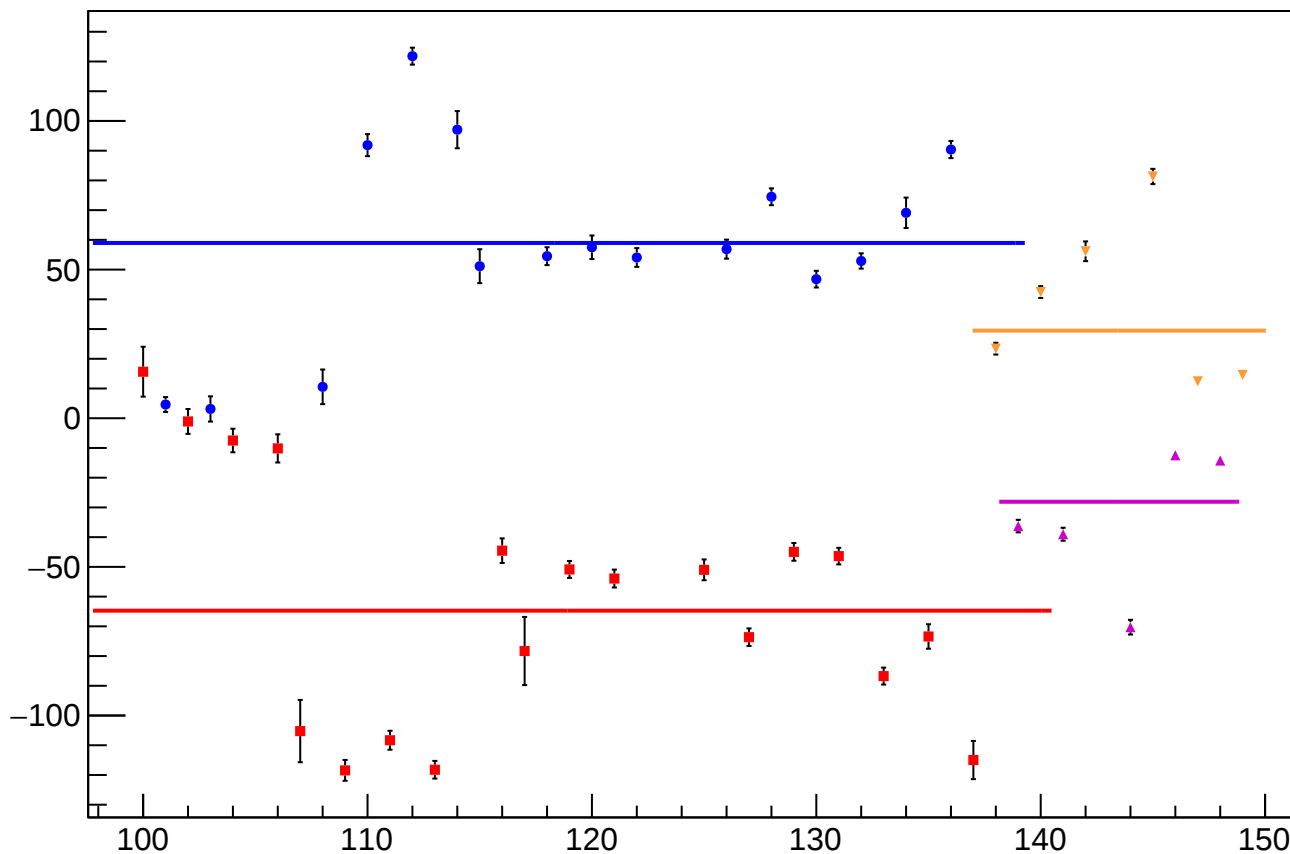
Left In: -3.984 ± 0.551 χ^2/NDF : 52.7/4

5.863 ± 0.340 χ^2/NDF : 543.6/21

-0.375 ± 0.243 χ^2/NDF : 1680.2/45

-6.871 ± 0.347 χ^2/NDF : 450.0/23

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 $\pm$ 0.837 χ^2/NDF : 1496.5/15

Left Out: 29.476 $\pm$ 0.816 χ^2/NDF : 717.5/5

Right Out: -64.728 $\pm$ 0.838 χ^2/NDF : 1723.2/18

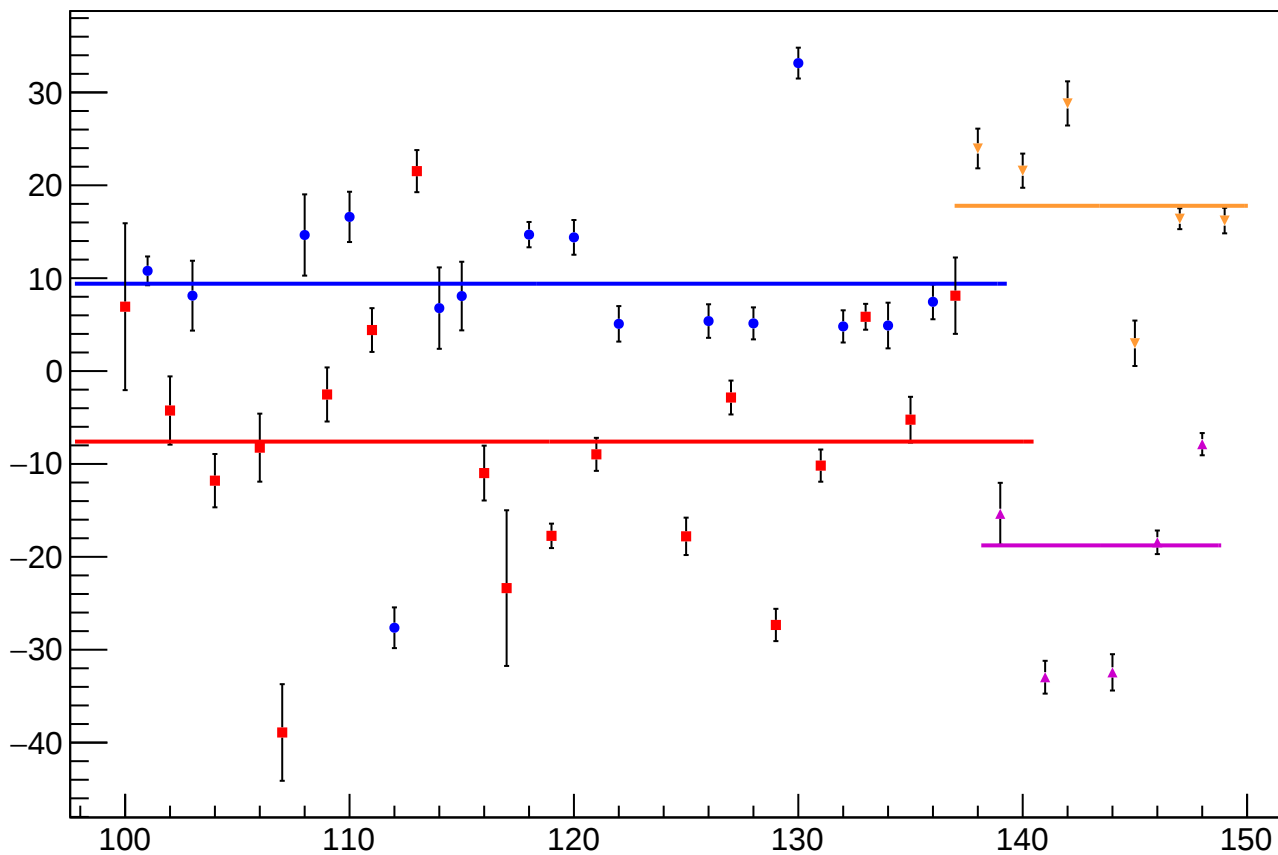
Left In: -28.090 $\pm$ 0.863 χ^2/NDF : 492.7/4

43.848 $\pm$ 0.584 χ^2/NDF : 2850.2/21

-0.259 $\pm$ 0.419 χ^2/NDF : 17724.7/45

-46.960 $\pm$ 0.601 χ^2/NDF : 3143.4/23

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 17.794 ± 0.677 χ^2/NDF : 73.5/5

Right Out: -7.593 ± 0.514 χ^2/NDF : 573.4/18

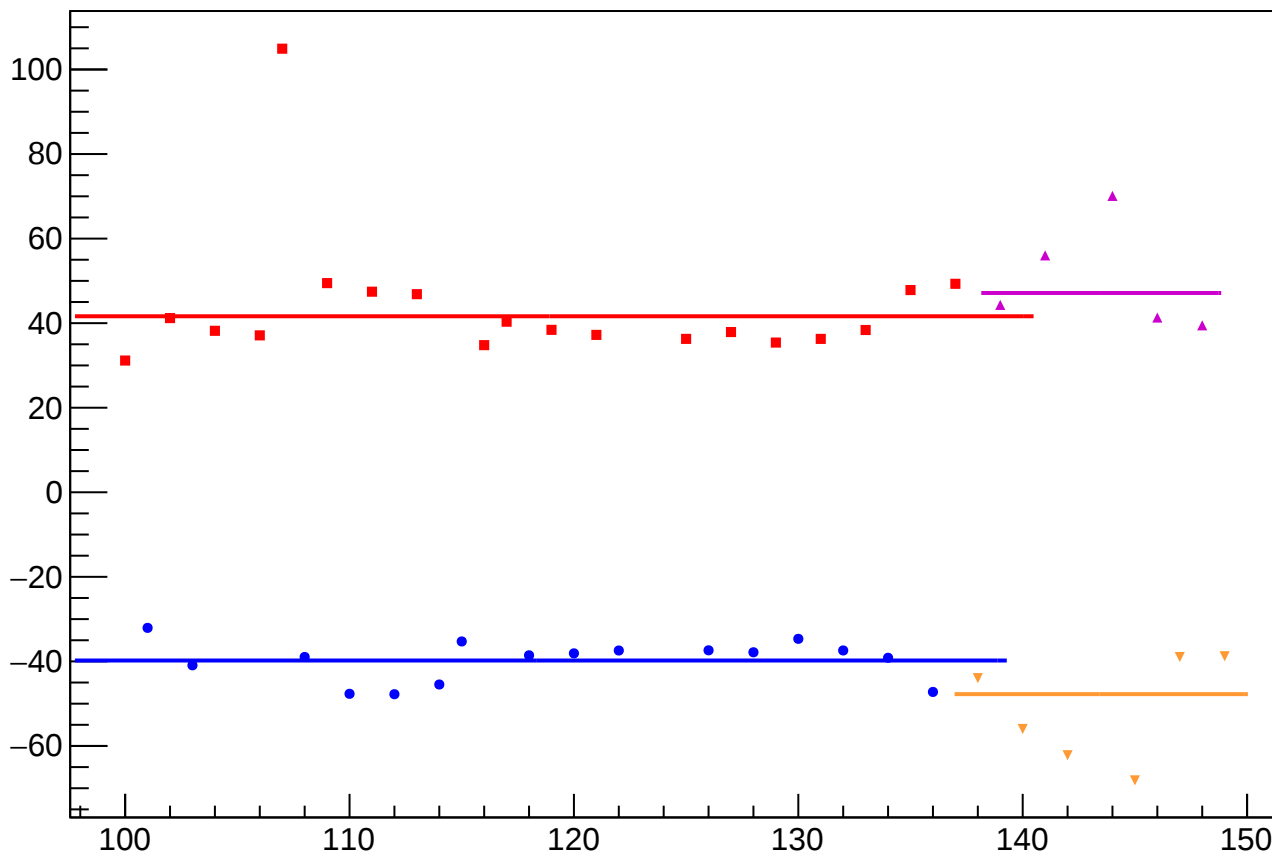
Left In: -18.768 ± 0.709 χ^2/NDF : 197.5/4

12.415 ± 0.406 χ^2/NDF : 721.4/21

0.784 ± 0.290 χ^2/NDF : 3340.5/45

-11.443 ± 0.416 χ^2/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: -47.743 ± 0.035 χ^2/NDF : 92281.7/5

Right Out: 41.631 ± 0.031 χ^2/NDF : 94399.1/18

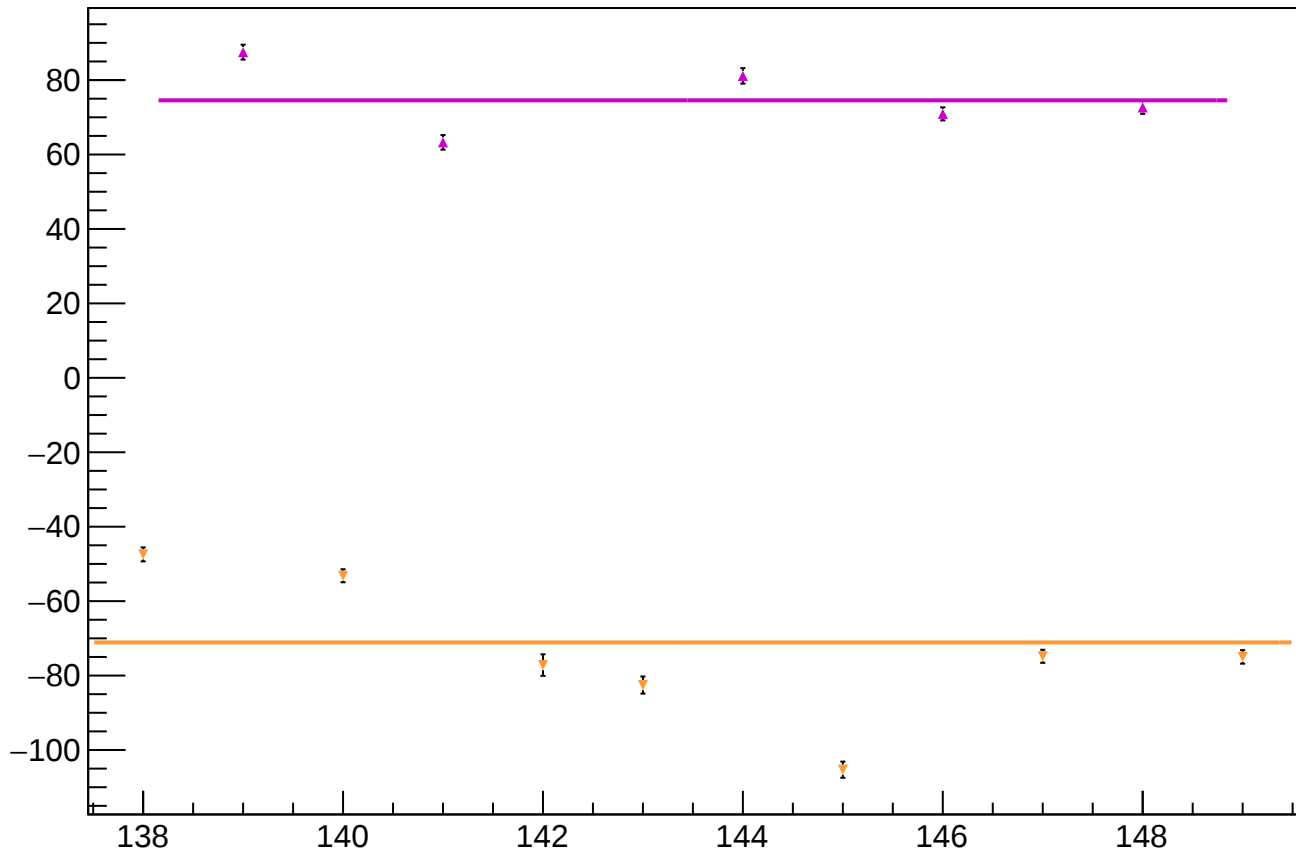
Left In: 47.138 ± 0.036 χ^2/NDF : 73828.4/4

-43.319 ± 0.023 χ^2/NDF : 147191.9/21

-0.135 ± 0.017 χ^2/NDF : 7280080.8/45

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: -71.092+/-0.756 χ^2/NDF : 547.6/6

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

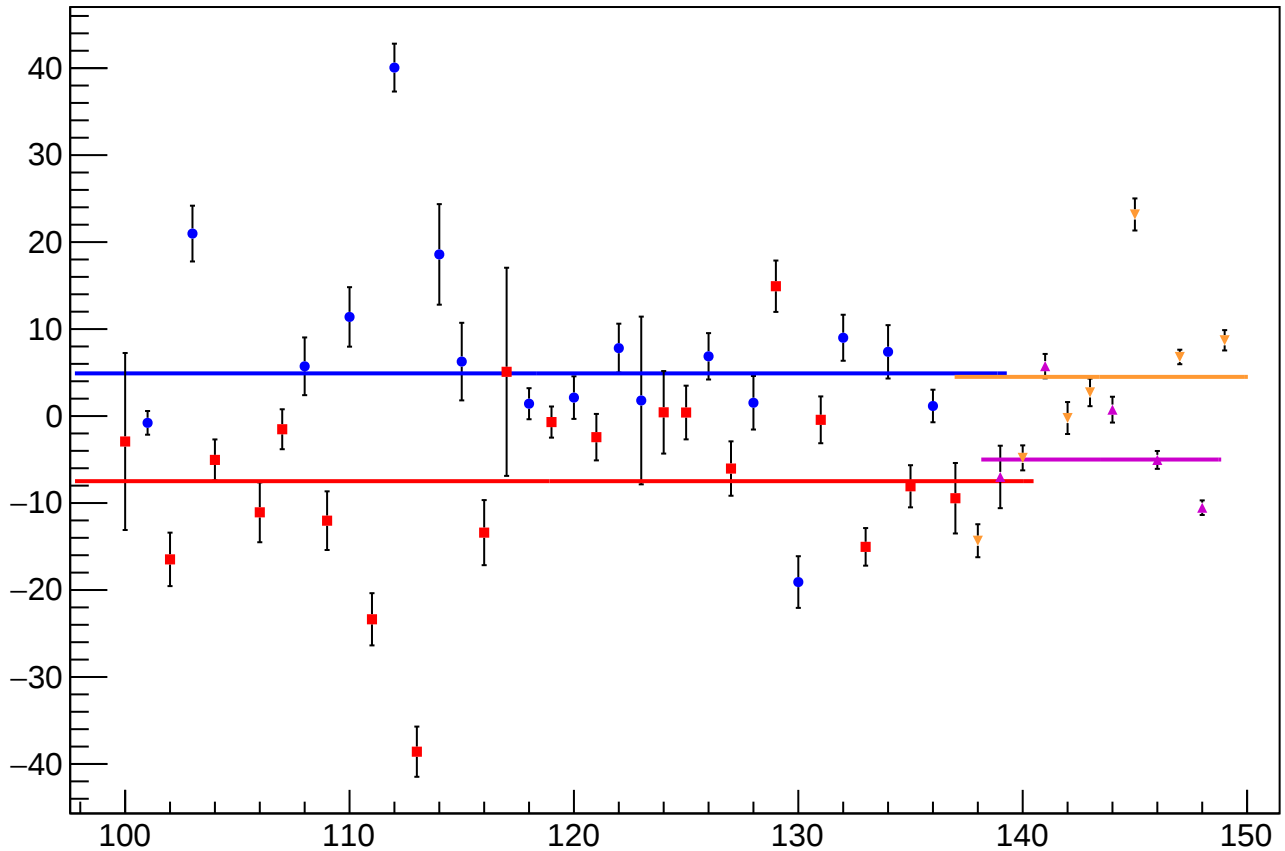
Left In: 74.563+/-0.848 χ^2/NDF : 90.1/4

-71.092+/-0.756 χ^2/NDF : 547.6/6

-6.555+/-0.564 χ^2/NDF : 17087.7/11

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: 4.504 ± 0.505 χ^2/NDF : 271.5/6

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

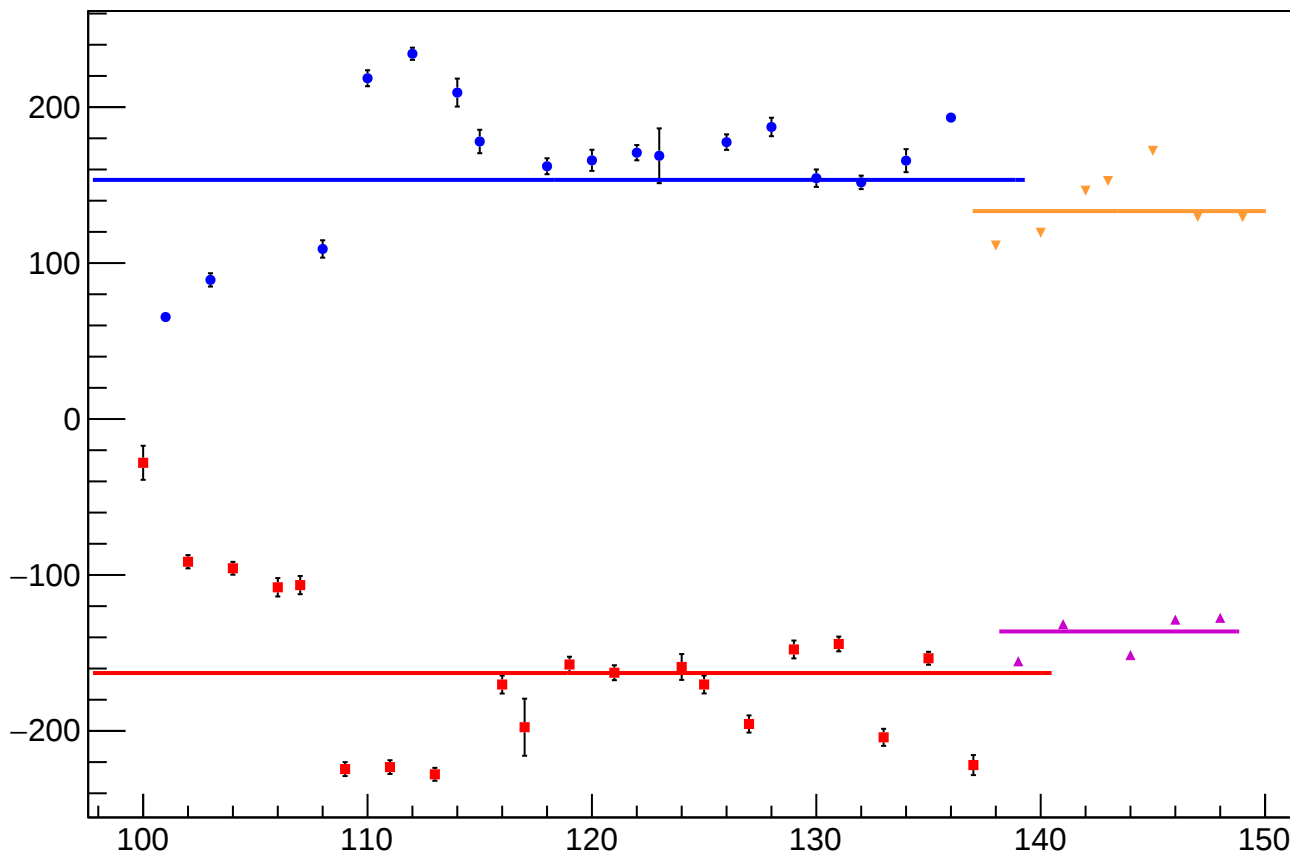
Left In: -4.999 ± 0.542 χ^2/NDF : 117.3/4

4.662 ± 0.394 χ^2/NDF : 567.2/23

-0.381 ± 0.286 χ^2/NDF : 1312.6/48

-6.020 ± 0.416 χ^2/NDF : 397.6/24

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 133.332 $\pm$ 0.766 χ^2 /NDF: 551.6/6

Right Out: -162.878 $\pm$ 1.174 χ^2 /NDF: 1712.4/19

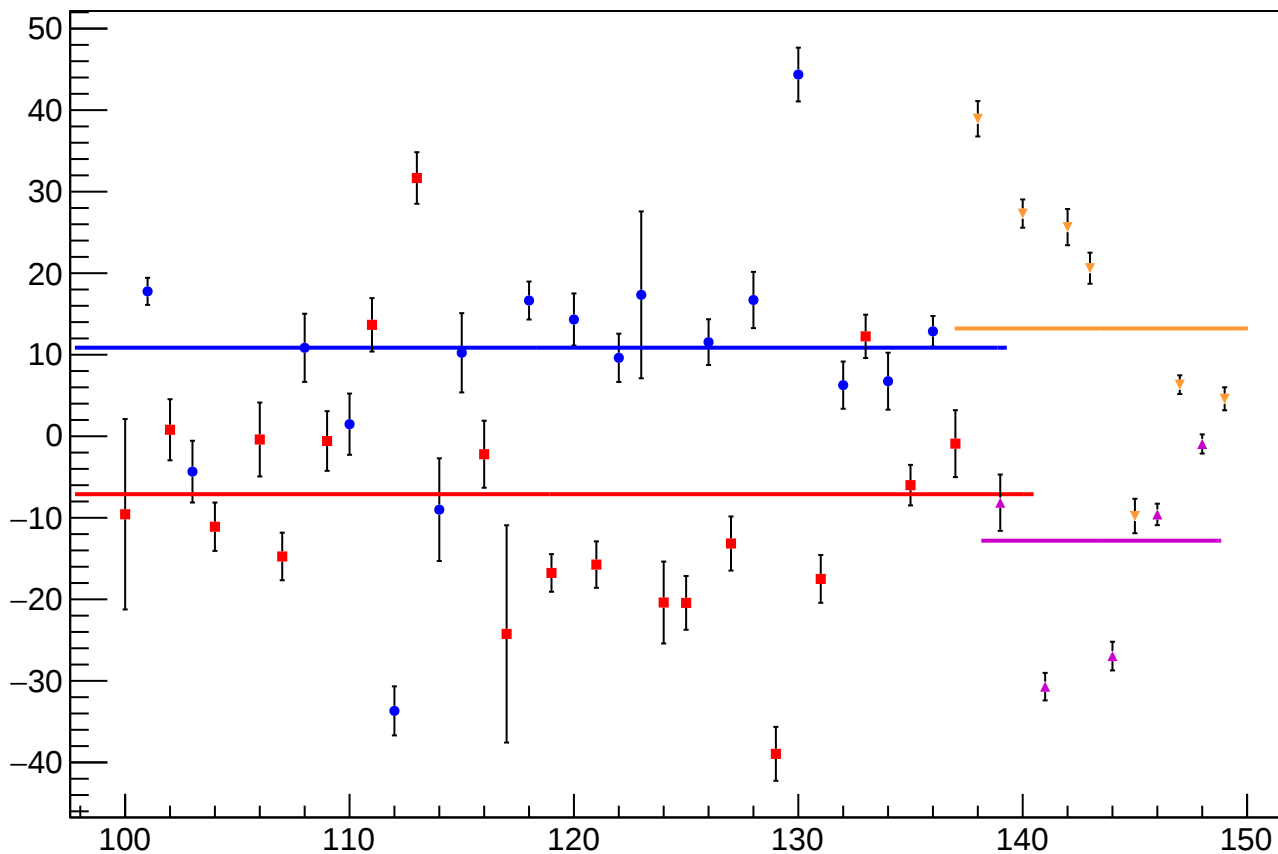
Left In: -136.235 $\pm$ 0.853 χ^2 /NDF: 177.8/4

139.482 $\pm$ 0.638 χ^2 /NDF: 3029.7/23

8.345 $\pm$ 0.468 χ^2 /NDF: 97186.0/48

-145.441 $\pm$ 0.690 χ^2 /NDF: 2227.0/24

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 ± 0.719 $\chi^2/\text{NDF}: 387.9/16$

Left Out: 13.223 ± 0.632 $\chi^2/\text{NDF}: 444.5/6$

Right Out: -7.106 ± 0.746 $\chi^2/\text{NDF}: 426.4/19$

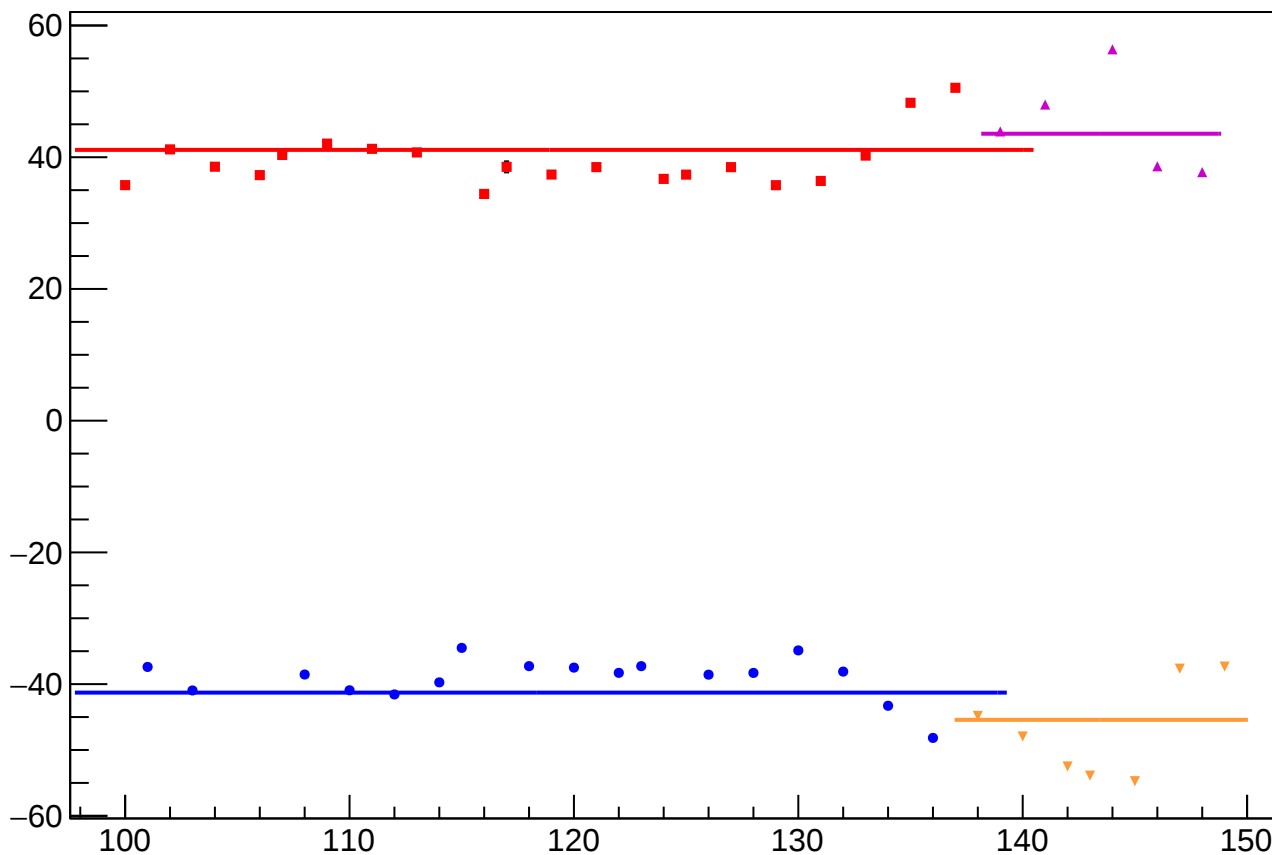
Left In: -12.807 ± 0.697 $\chi^2/\text{NDF}: 286.9/4$

12.195 ± 0.475 $\chi^2/\text{NDF}: 838.5/23$

1.805 ± 0.347 $\chi^2/\text{NDF}: 2613.0/48$

-10.152 ± 0.509 $\chi^2/\text{NDF}: 744.4/24$

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 ± 0.039 χ^2/NDF : 12509.1/16

Left Out: -45.420 ± 0.033 χ^2/NDF : 44405.5/6

Right Out: 41.115 ± 0.039 χ^2/NDF : 12120.1/19

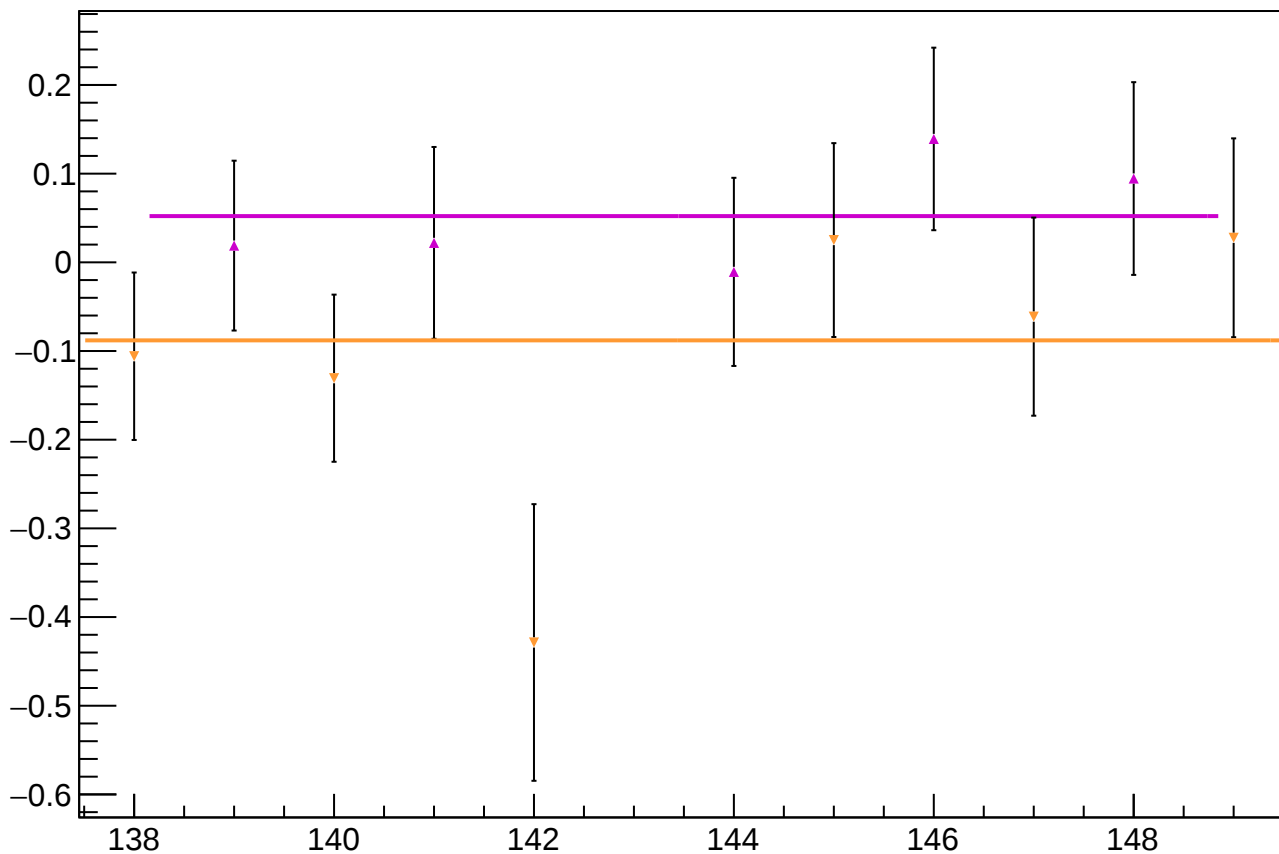
Left In: 43.568 ± 0.036 χ^2/NDF : 31123.3/4

-43.705 ± 0.025 χ^2/NDF : 63611.6/23

-2.816 ± 0.018 χ^2/NDF : 5799912.9/48

42.442 ± 0.026 χ^2/NDF : 45425.4/24

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.088+/-0.044 χ^2/NDF : 7.2/5

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

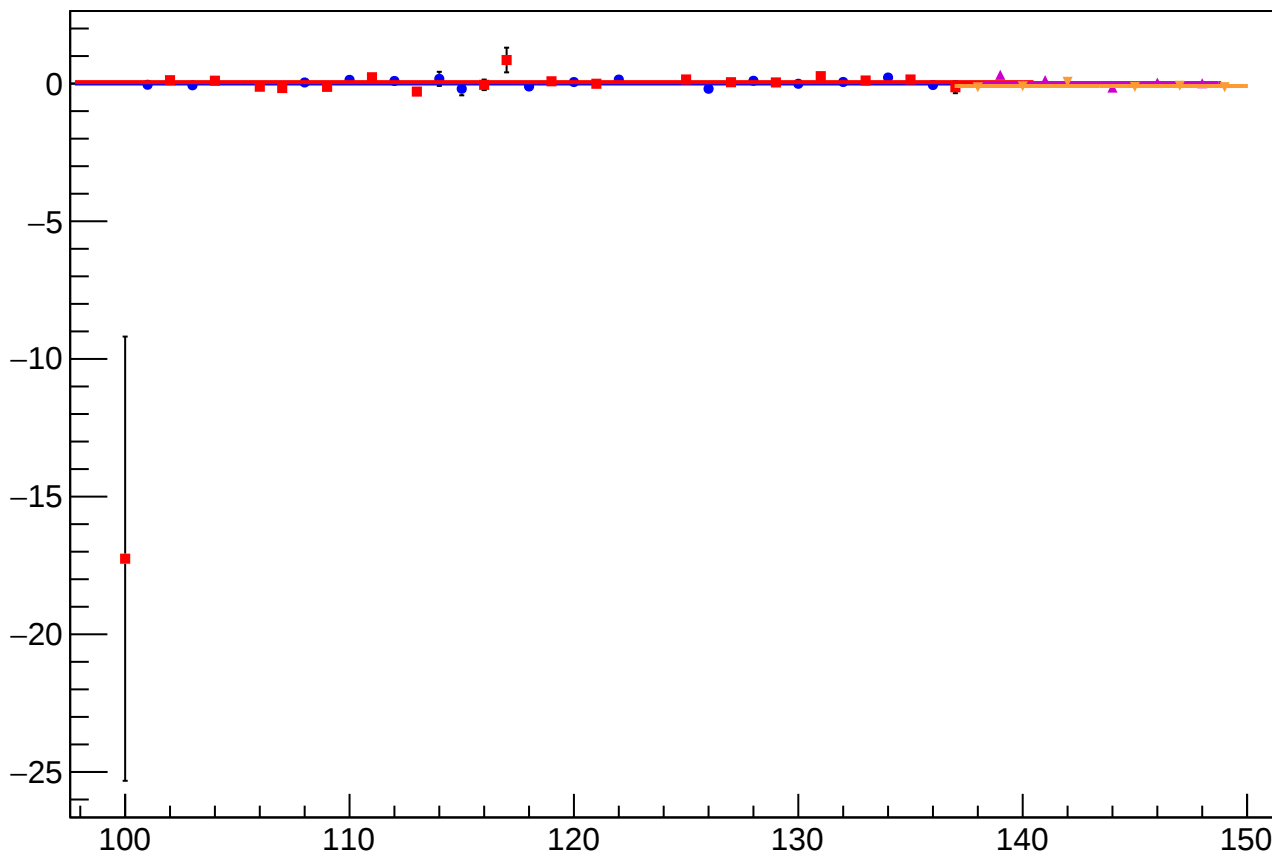
Left In: 0.052+/-0.046 χ^2/NDF : 1.4/4

-0.088+/-0.044 χ^2/NDF : 7.2/5

-0.021+/-0.032 χ^2/NDF : 13.4/10

0.052+/-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: -0.087+/-0.031 χ^2/NDF : 3.1/5

Right Out: 0.053+/-0.029 χ^2/NDF : 28.8/18

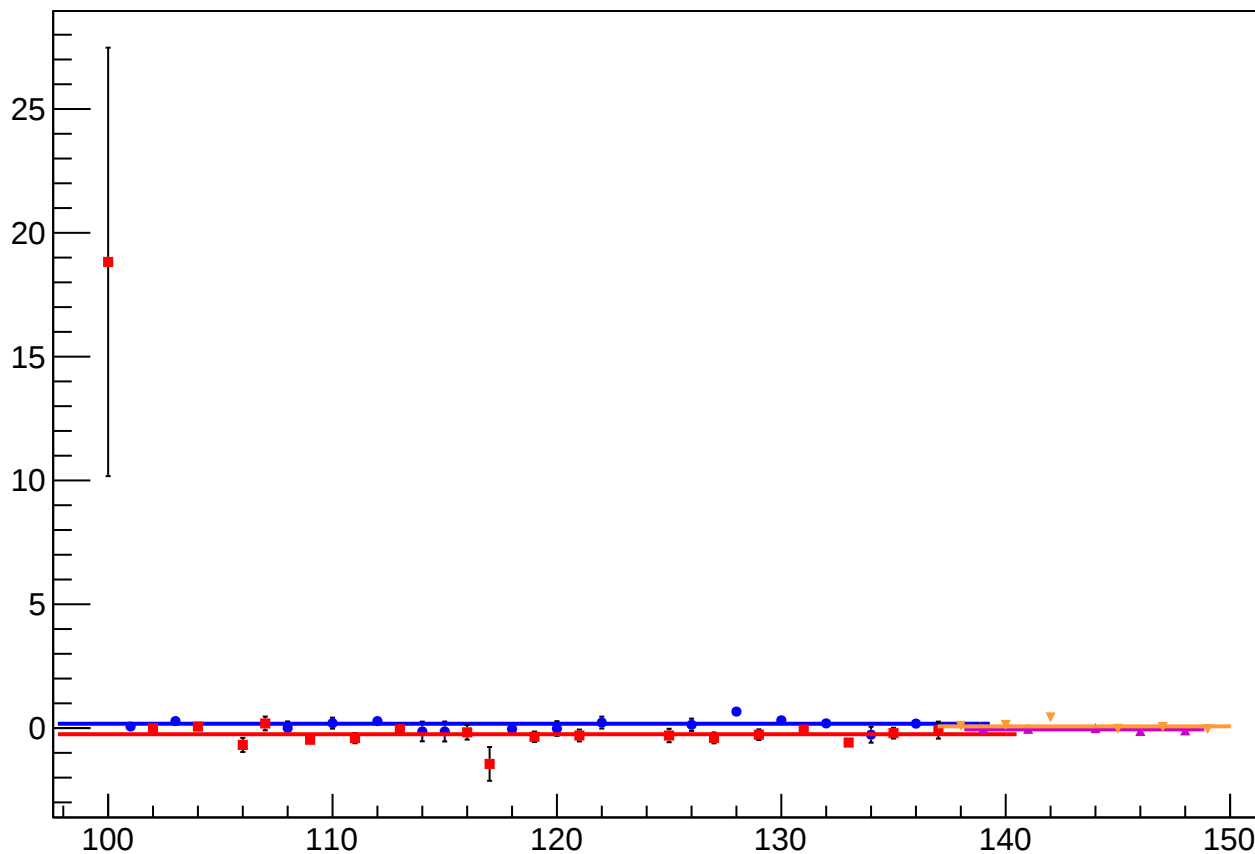
Left In: 0.021+/-0.032 χ^2/NDF : 9.7/4

-0.038+/-0.021 χ^2/NDF : 20.1/21

-0.001+/-0.015 χ^2/NDF : 65.6/45

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 χ^2/NDF : 13.0/15

Left Out: 0.070 ± 0.045 χ^2/NDF : 7.0/5

Right Out: -0.247 ± 0.054 χ^2/NDF : 24.7/18

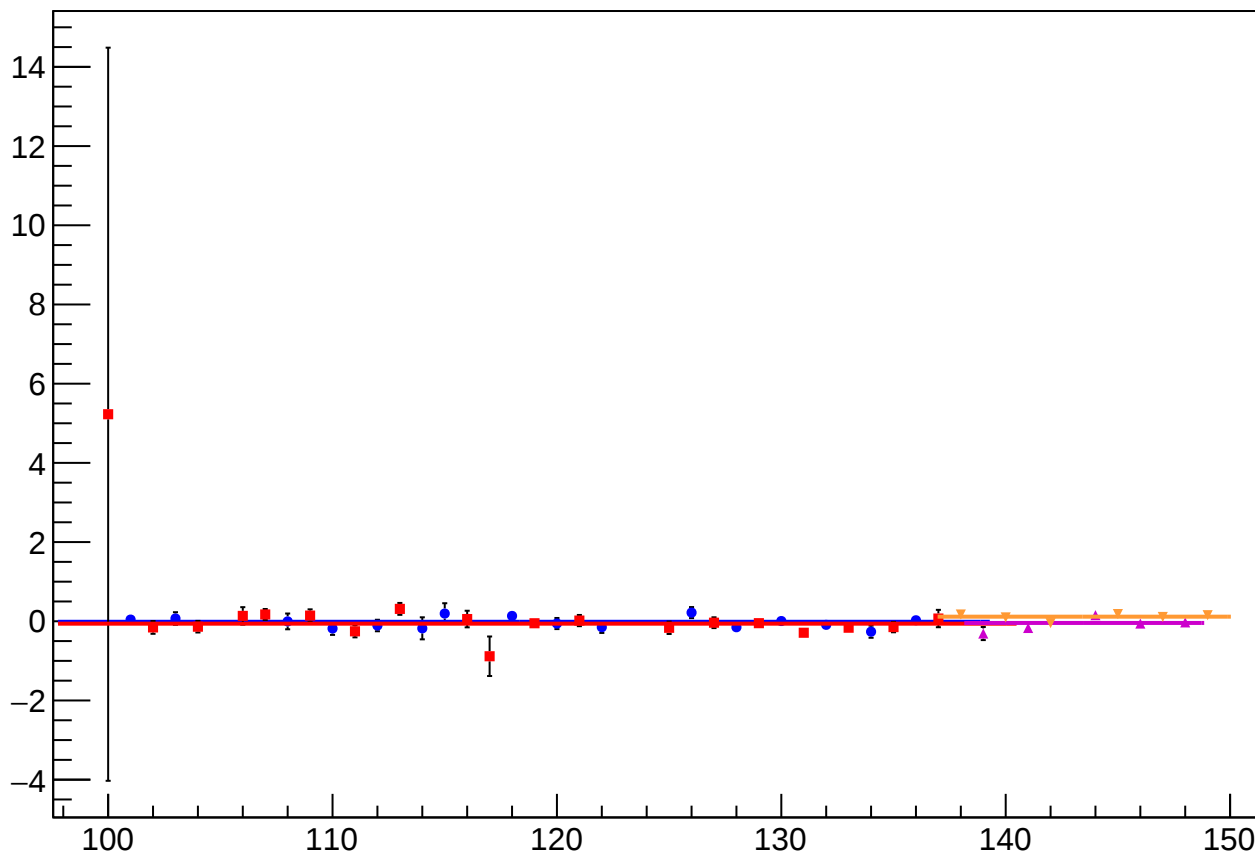
Left In: -0.052 ± 0.047 χ^2/NDF : 1.1/4

0.115 ± 0.034 χ^2/NDF : 22.3/21

-0.006 ± 0.025 χ^2/NDF : 81.7/45

-0.137 ± 0.036 χ^2/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: 0.116 ± 0.039 χ^2/NDF : 2.7/5

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

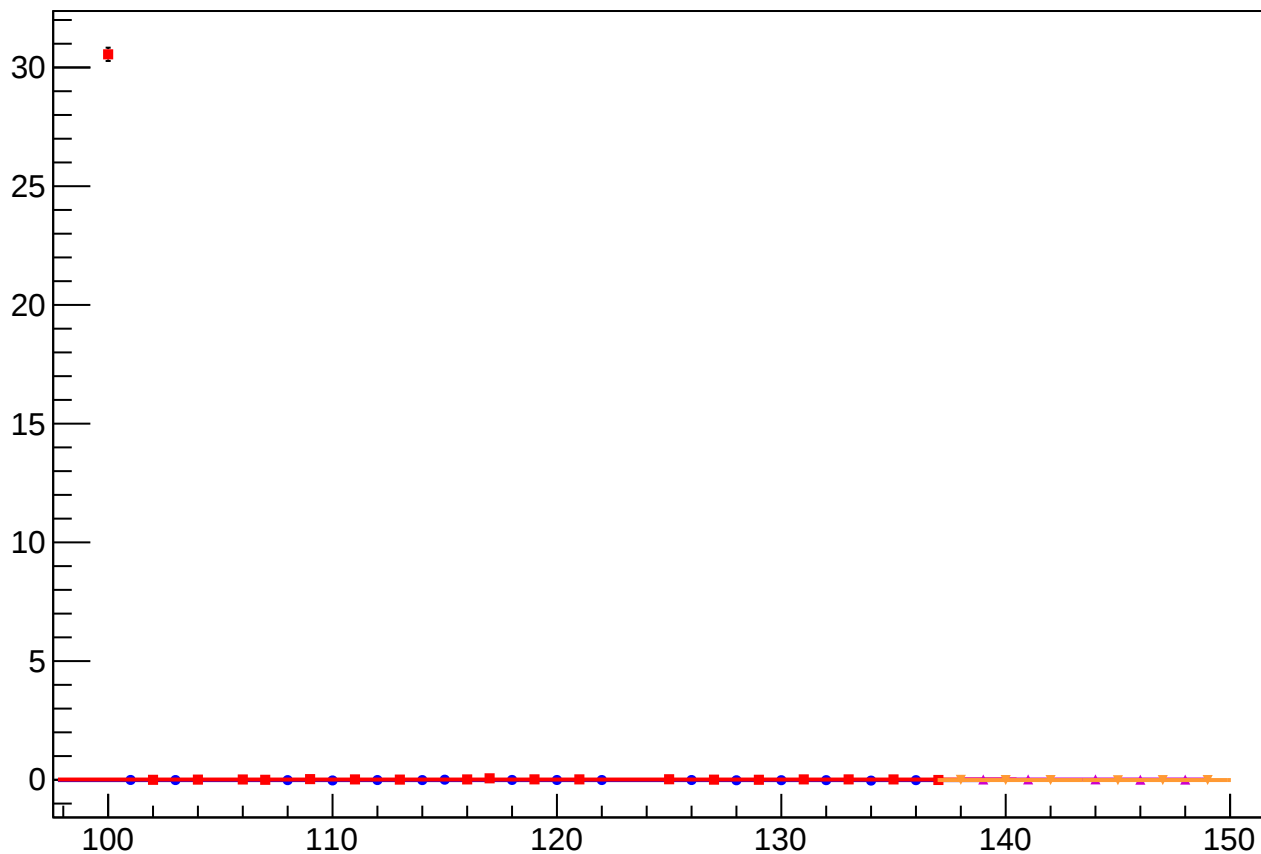
Left In: -0.042 ± 0.040 χ^2/NDF : 9.3/4

0.041 ± 0.025 χ^2/NDF : 22.9/21

-0.004 ± 0.018 χ^2/NDF : 62.3/45

-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 : 7.1/5

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

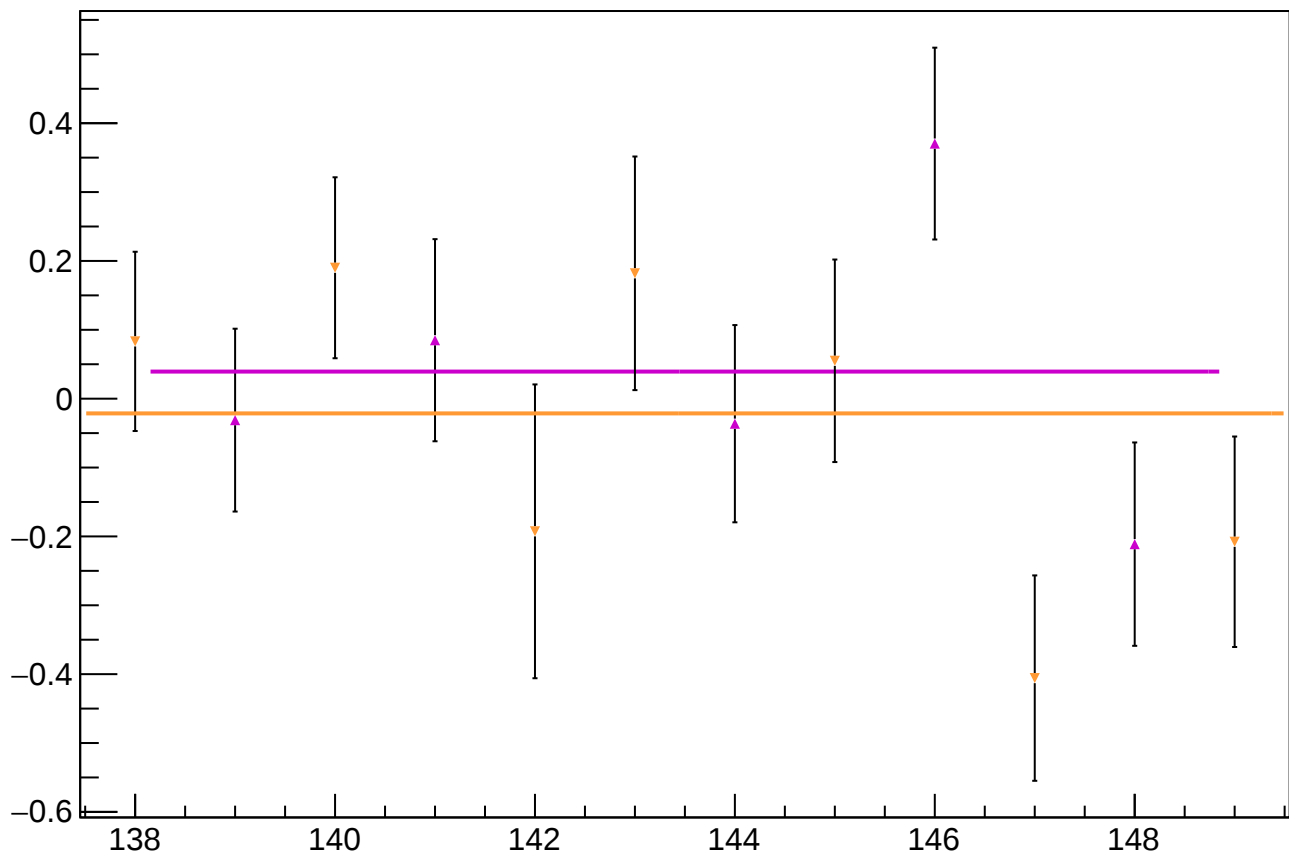
Left In: 0.014 ± 0.002 χ^2/NDF : 5.7/4

-0.011 ± 0.001 χ^2/NDF : 20.7/21

0.001 ± 0.001 χ^2/NDF : 12083.5/45

0.013 ± 0.001 χ^2/NDF : 11900.0/23

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.021+/-0.057 χ^2/NDF :13.7/6

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

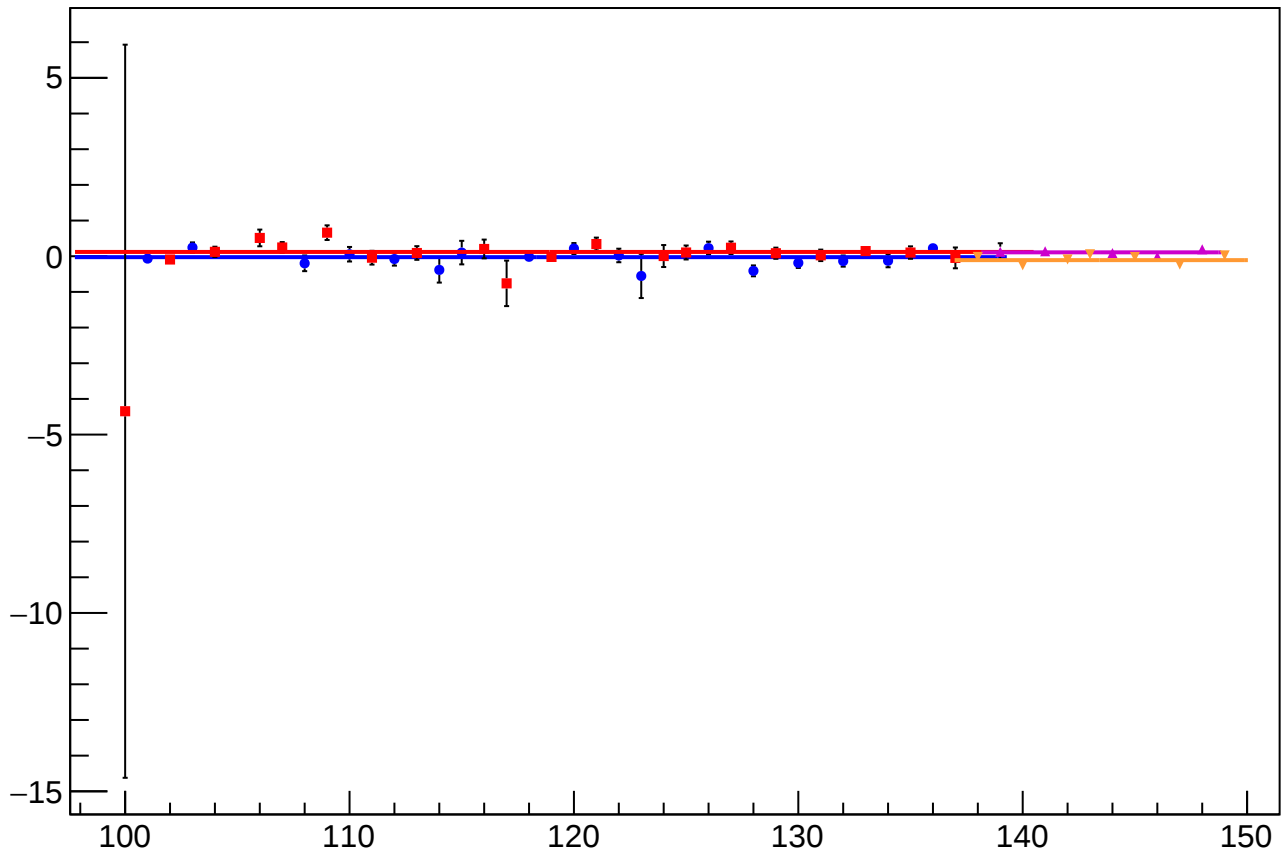
Left In: 0.039+/-0.063 χ^2/NDF :9.2/4

-0.021+/-0.057 χ^2/NDF : 13.7/6

0.006+/-0.042 χ^2/NDF : 23.4/11

0.039+/-0.063 χ^2/NDF : 9.2/4

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.109 ± 0.040 χ^2/NDF : 9.5/6

Right Out: 0.120 ± 0.039 χ^2/NDF : 20.2/19

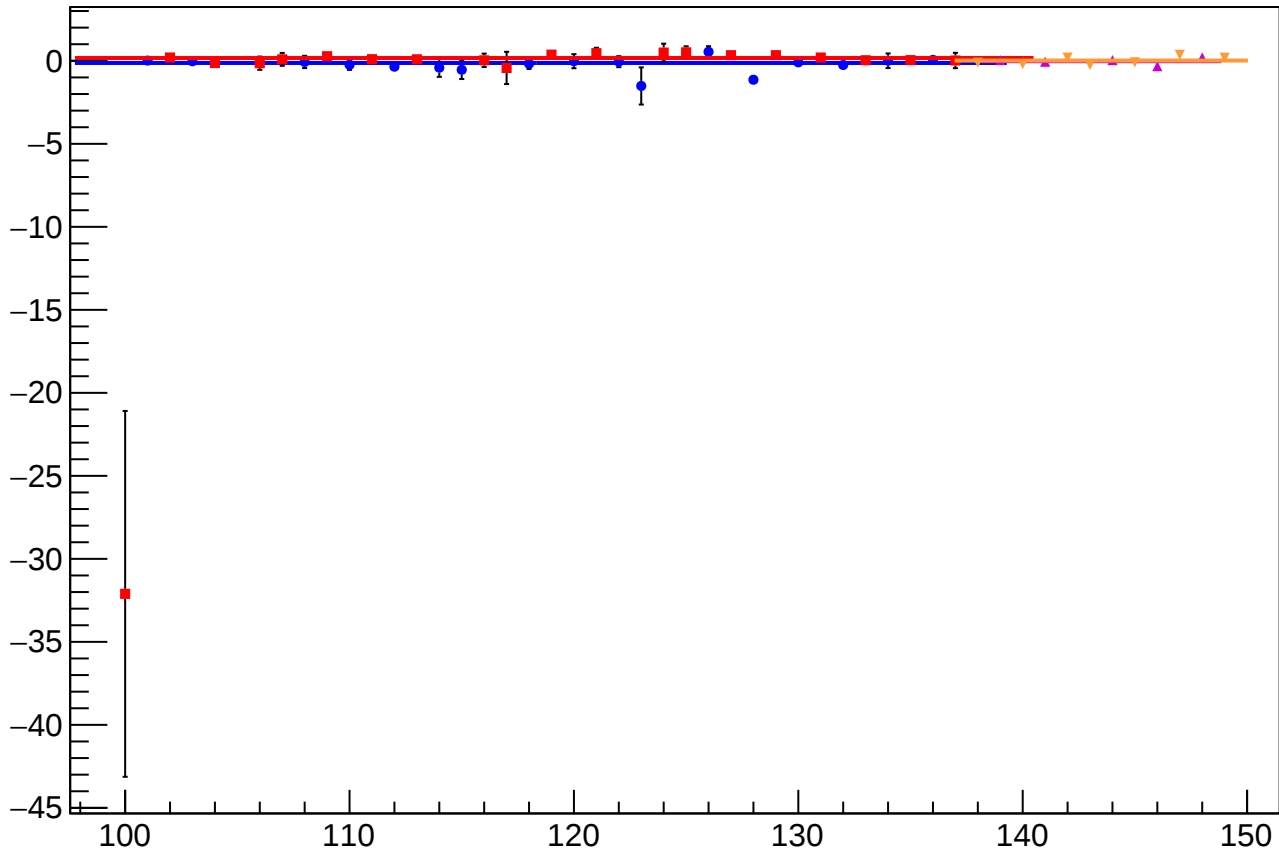
Left In: 0.109 ± 0.043 χ^2/NDF : 3.7/4

-0.064 ± 0.027 χ^2/NDF : 34.6/23

0.019 ± 0.020 χ^2/NDF : 79.1/48

0.115 ± 0.029 χ^2/NDF : 24.0/24

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.016 ± 0.058 χ^2/NDF : 13.9/6

Right Out: 0.169 ± 0.071 χ^2/NDF : 15.3/19

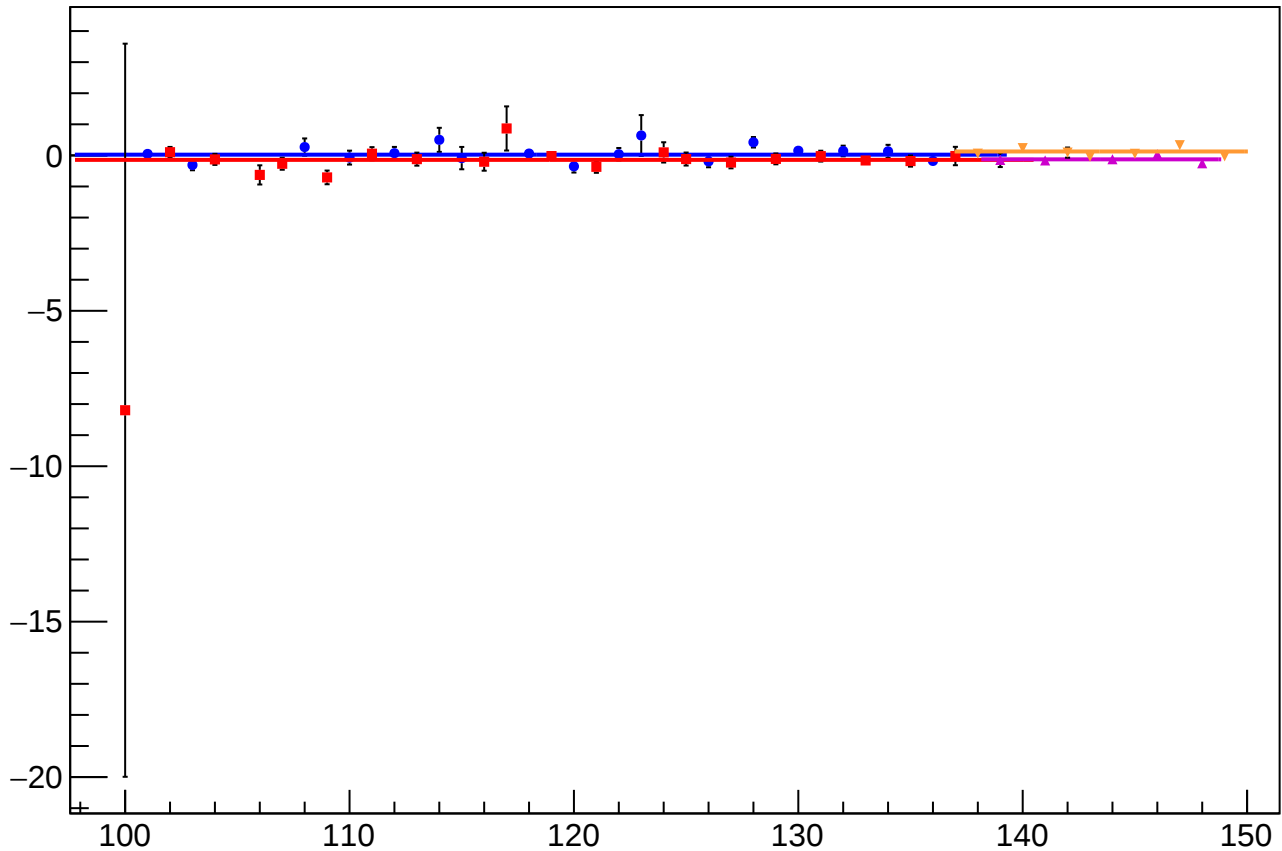
Left In: -0.024 ± 0.064 χ^2/NDF : 8.3/4

-0.047 ± 0.044 χ^2/NDF : 39.6/23

0.004 ± 0.032 χ^2/NDF : 70.2/48

0.063 ± 0.048 χ^2/NDF : 27.7/24

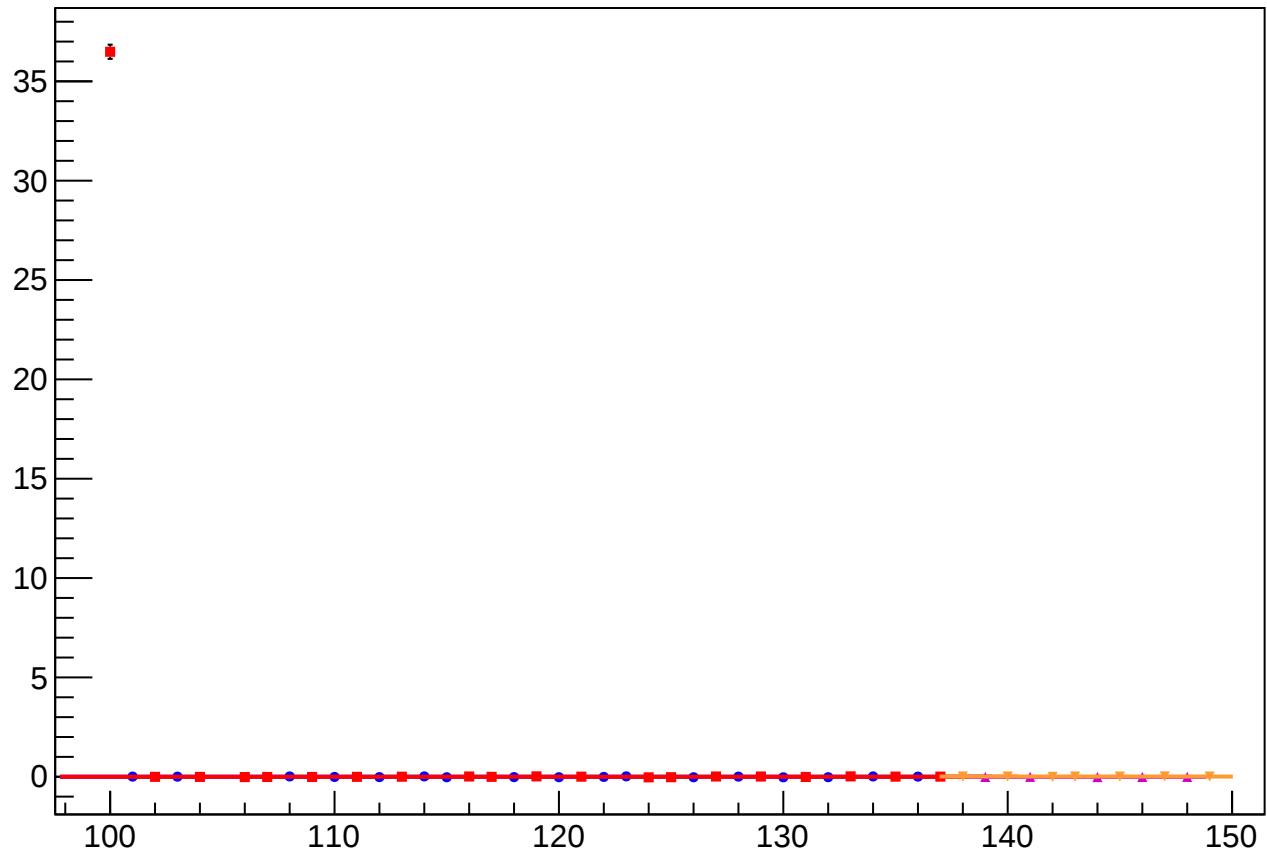
reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16
 Left Out: 0.126 ± 0.049 χ^2/NDF : 8.7/6
 Right Out: -0.144 ± 0.045 χ^2/NDF : 18.6/19
 Left In: -0.127 ± 0.054 χ^2/NDF : 4.1/4

0.067 ± 0.032 χ^2/NDF : 32.5/23
 -0.027 ± 0.024 χ^2/NDF : 73.9/48
 -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 ± 0.002 χ^2/NDF : 4.3/6

Right Out: -0.001 ± 0.002 χ^2/NDF : 10449.1/19

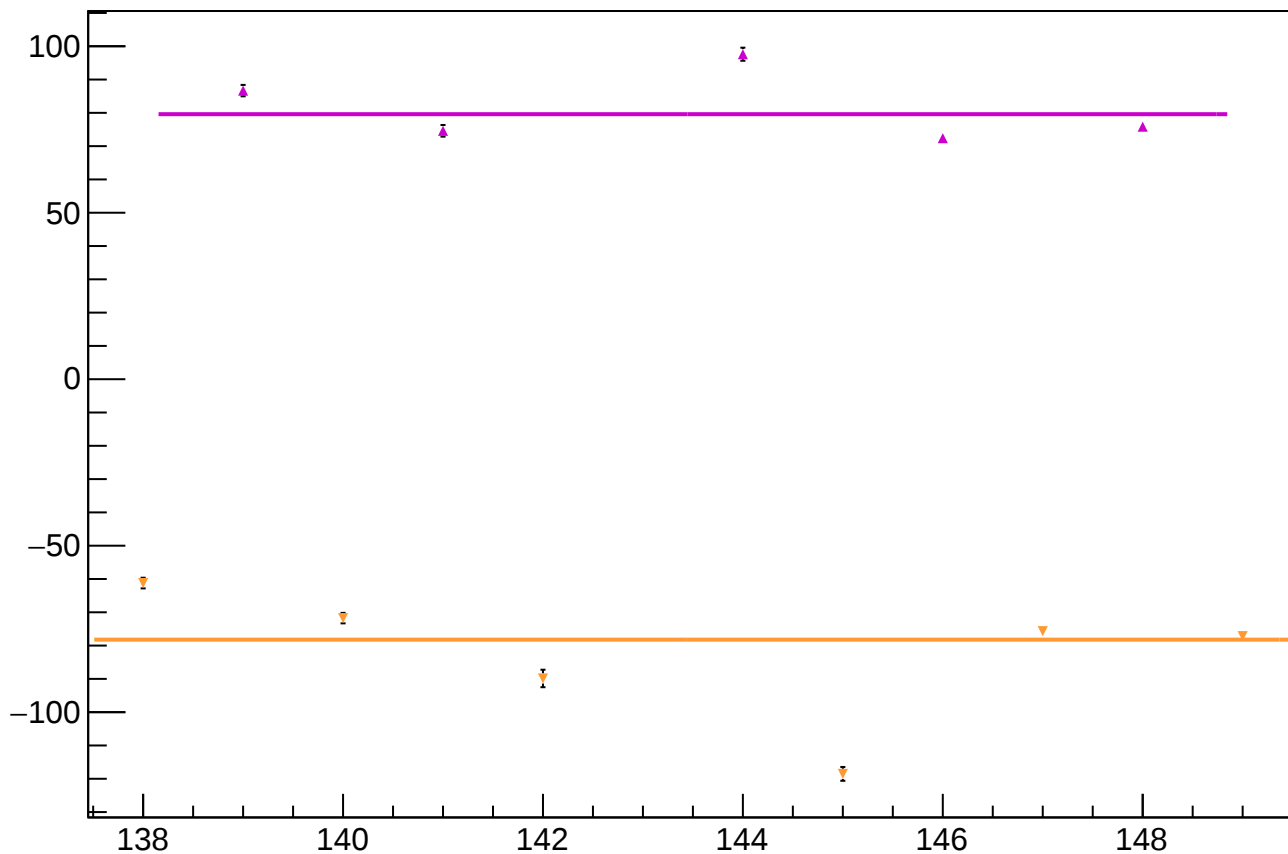
Left In: -0.010 ± 0.003 χ^2/NDF : 1.9/4

0.005 ± 0.002 χ^2/NDF : 41.4/23

0.001 ± 0.001 χ^2/NDF : 10515.8/48

-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: -78.216+/-0.680 χ^2/NDF : 530.4/5

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

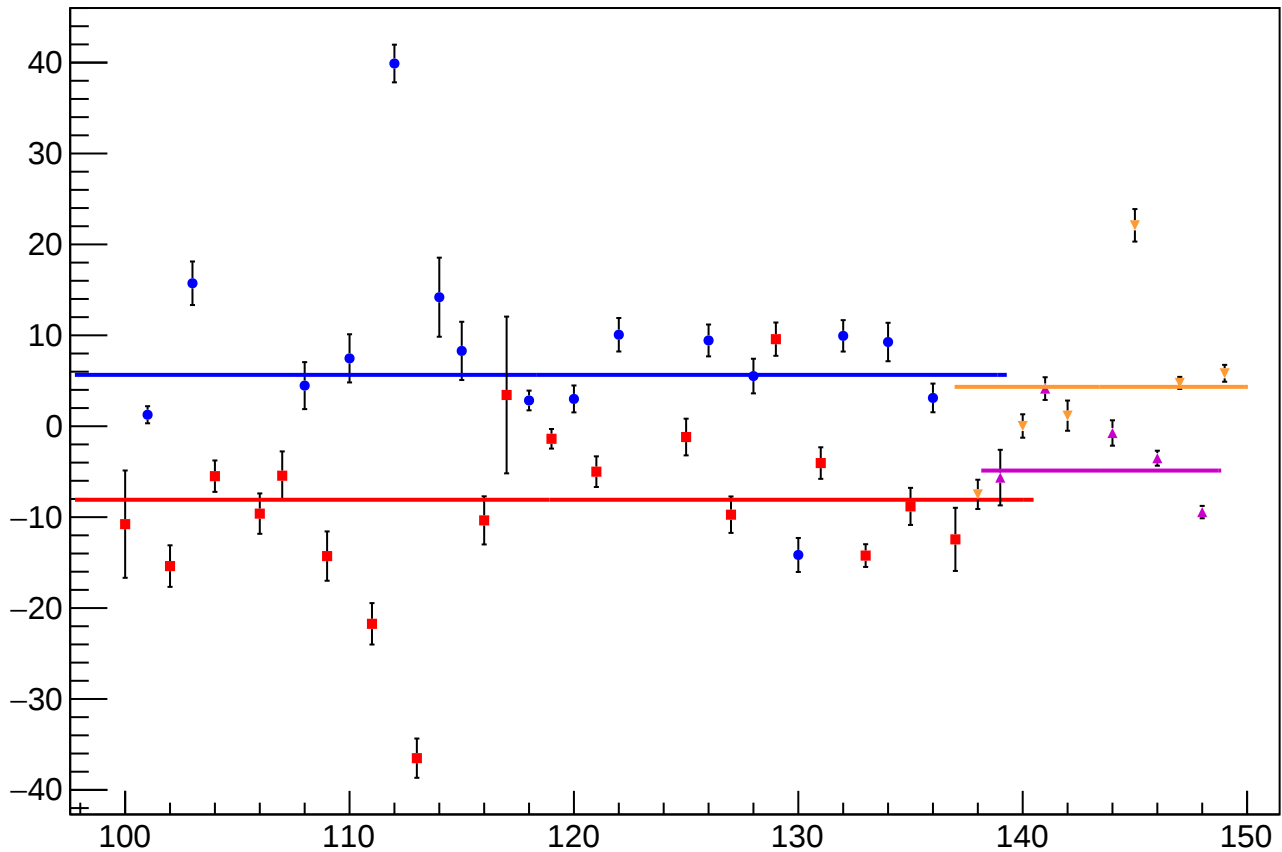
Left In: 79.594+/-0.721 χ^2/NDF : 141.9/4

-78.216+/-0.680 χ^2/NDF : 530.4/5

-3.953+/-0.494 χ^2/NDF : 26052.5/10

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: 4.332 ± 0.442 χ^2/NDF : 170.4/5

Right Out: -8.087 ± 0.452 χ^2/NDF : 409.7/18

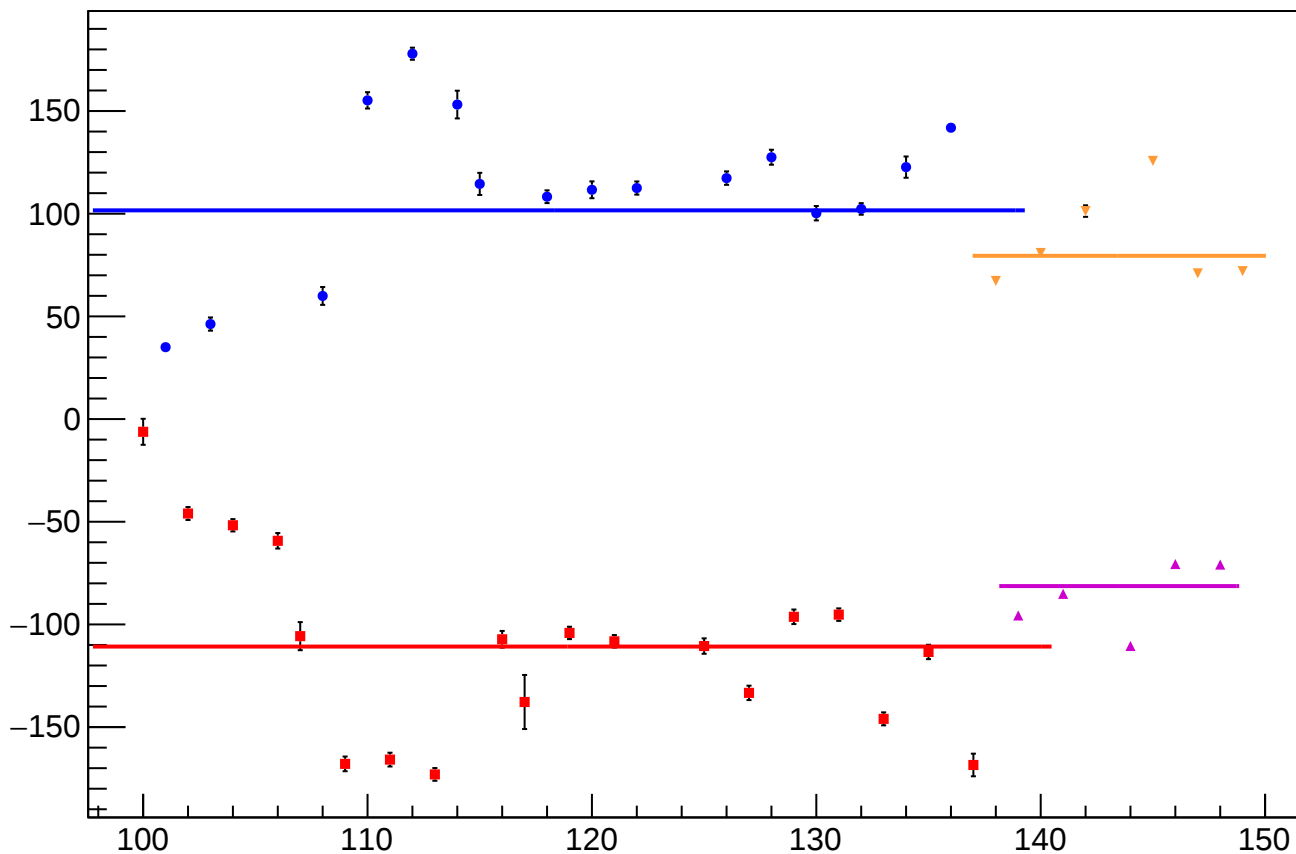
Left In: -4.876 ± 0.453 χ^2/NDF : 108.5/4

5.010 ± 0.308 χ^2/NDF : 636.9/21

-0.516 ± 0.222 χ^2/NDF : 1850.9/45

-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: 79.497 +/- 0.679 χ^2/NDF : 644.4/5

Right Out: -110.778 +/- 0.834 χ^2/NDF : 2518.3/18

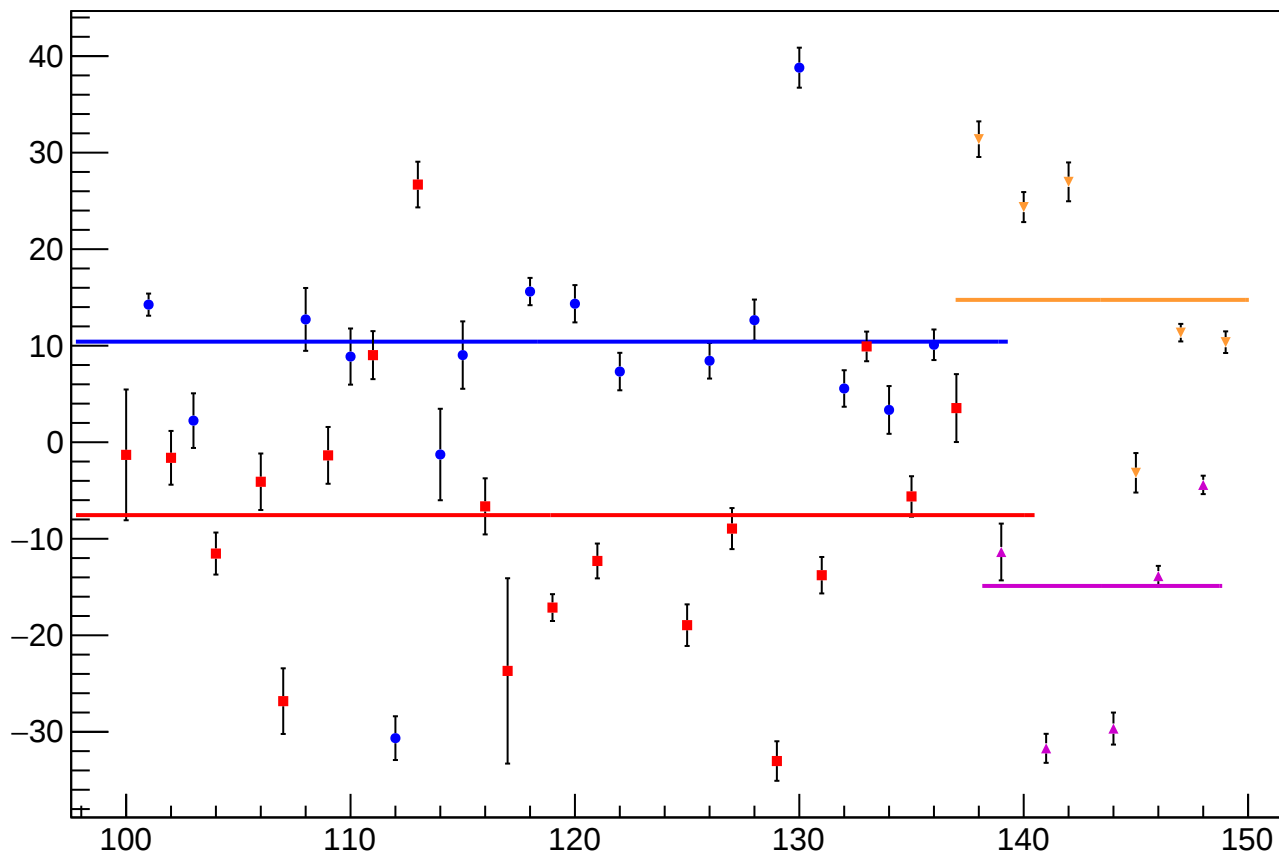
Left In: -81.328 +/- 0.721 χ^2/NDF : 381.3/4

88.603 +/- 0.521 χ^2/NDF : 4061.8/21

1.594 +/- 0.377 χ^2/NDF : 66211.1/45

-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: 14.748+/-0.559 χ^2/NDF : 262.4/5

Right Out: -7.550+/-0.522 χ^2/NDF : 692.3/18

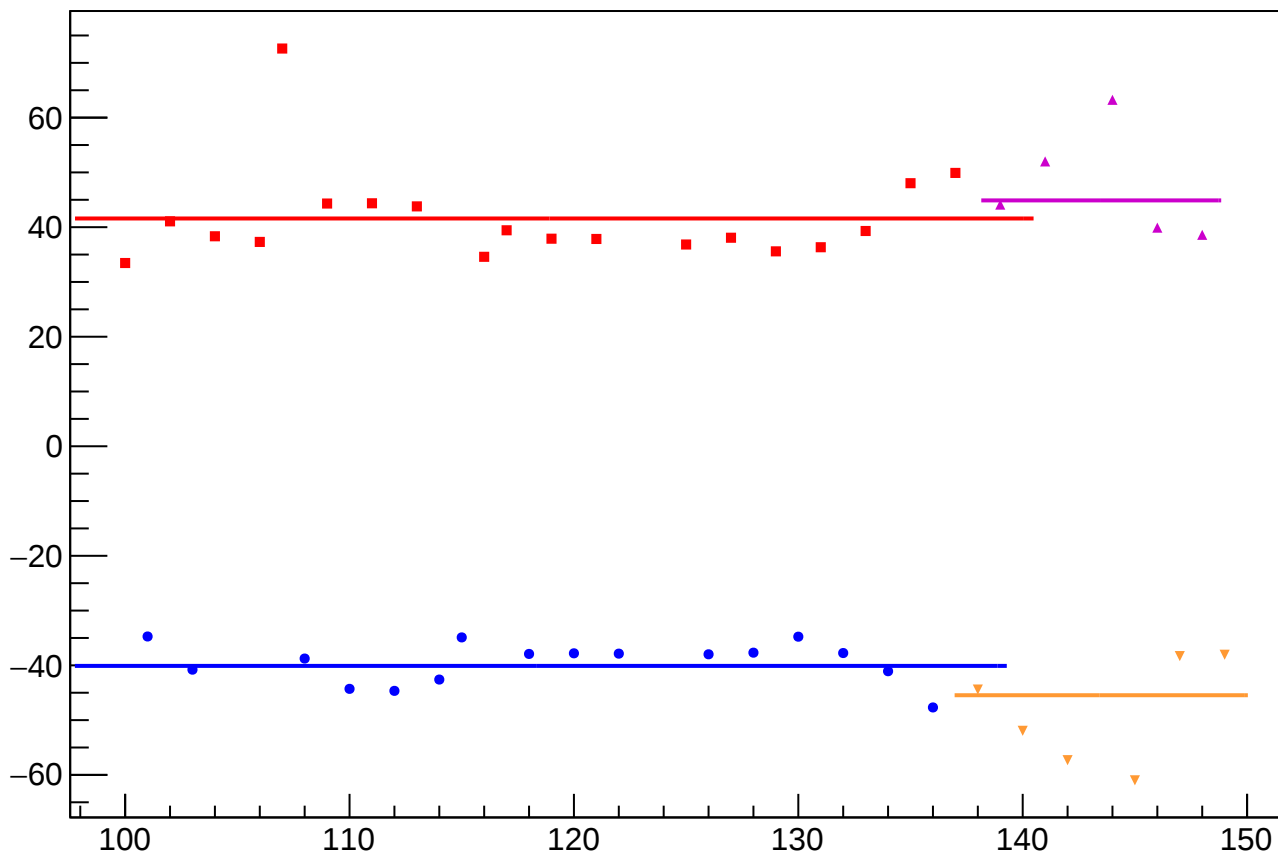
Left In: -14.885+/-0.586 χ^2/NDF : 327.5/4

12.332+/-0.372 χ^2/NDF : 875.6/21

1.321+/-0.269 χ^2/NDF : 3827.5/45

-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 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -45.456 ± 0.029 χ^2/NDF : 81716.7/5

Right Out: 41.588 ± 0.029 χ^2/NDF : 61690.5/18

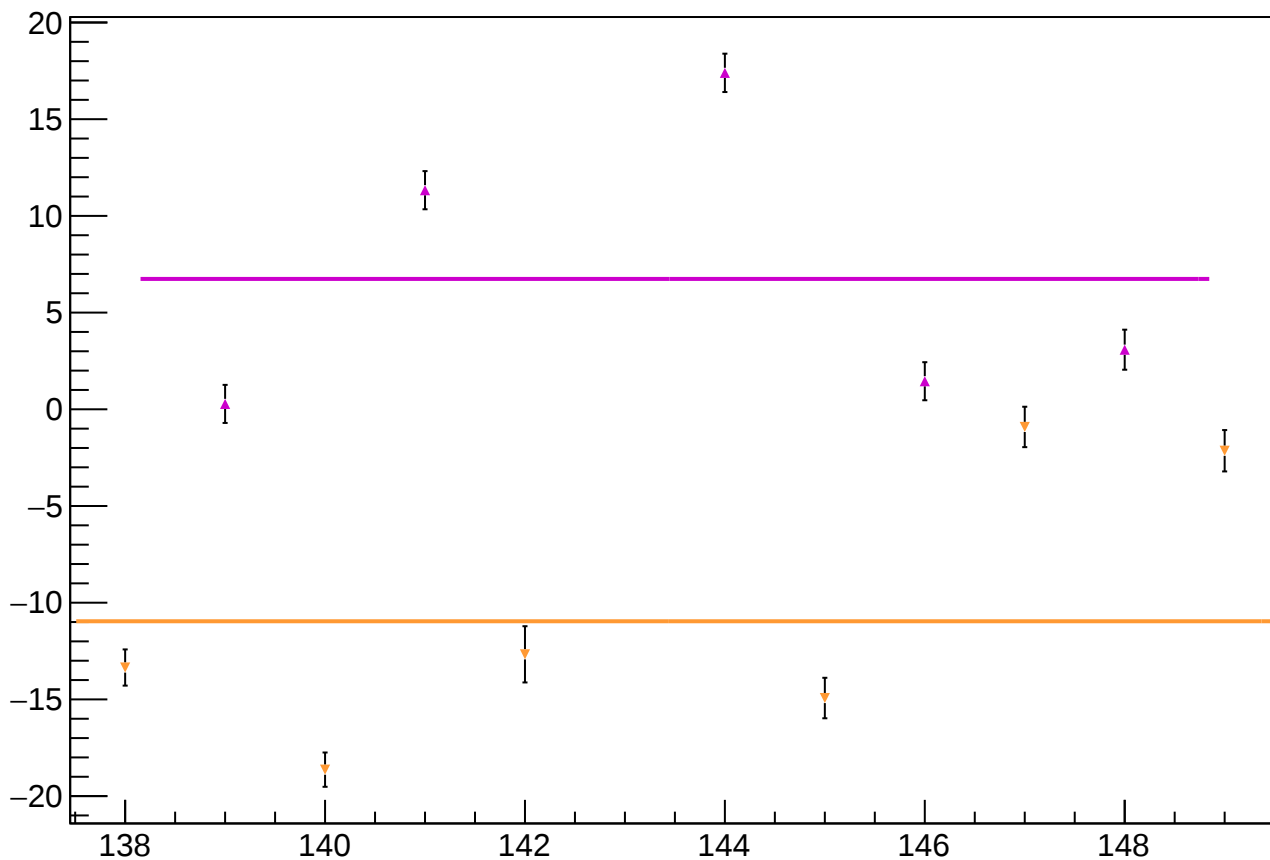
Left In: 44.888 ± 0.030 χ^2/NDF : 67419.1/4

-42.693 ± 0.020 χ^2/NDF : 124122.7/21

-0.621 ± 0.015 χ^2/NDF : 8992292.7/45

43.148 ± 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: -10.960+/-0.423 χ^2/NDF : 257.7/5

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

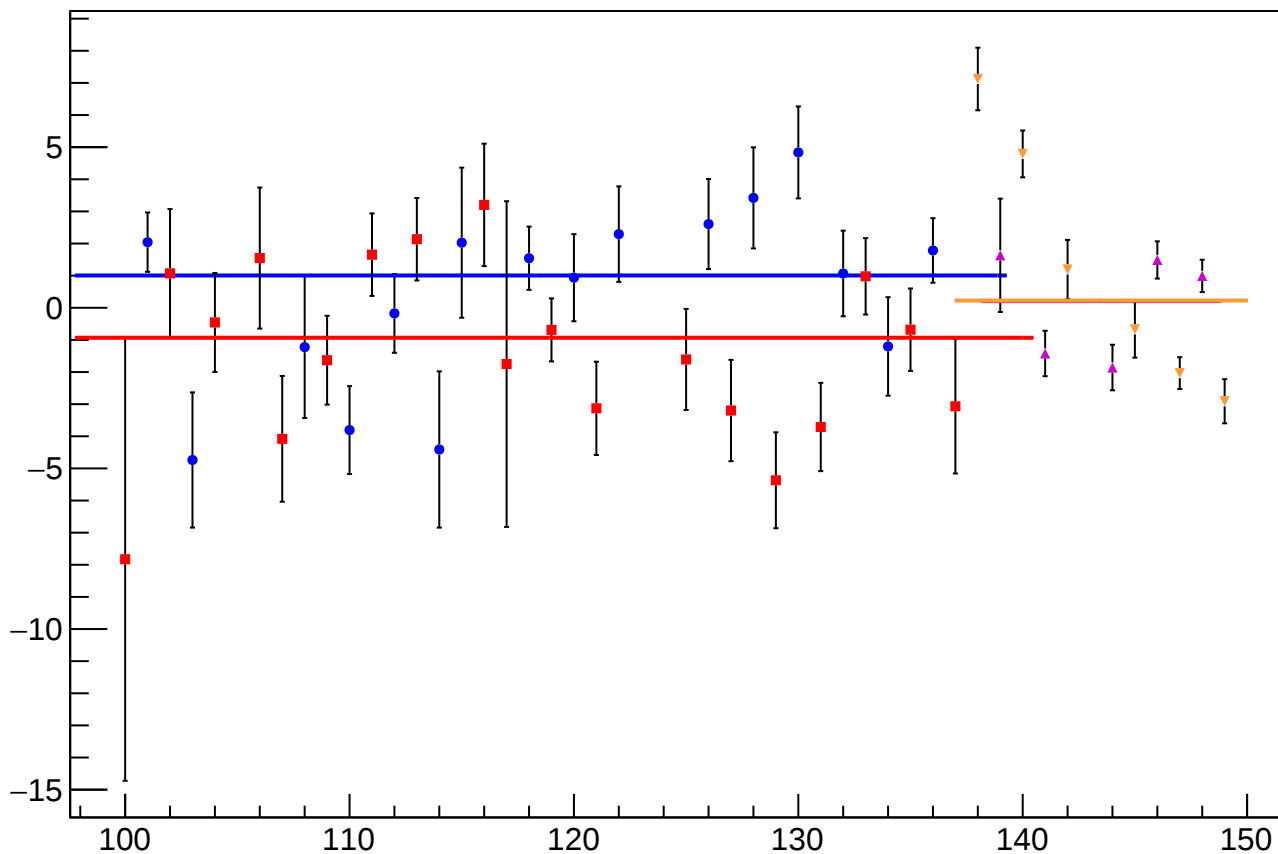
Left In: 6.741+/-0.445 χ^2/NDF : 221.5/4

-10.960+/-0.423 χ^2/NDF : 257.7/5

-2.568+/-0.307 χ^2/NDF : 1309.8/10

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 χ^2/NDF : 42.7/15

Left Out: 0.226 ± 0.294 χ^2/NDF : 133.0/5

Right Out: -0.933 ± 0.352 χ^2/NDF : 41.9/18

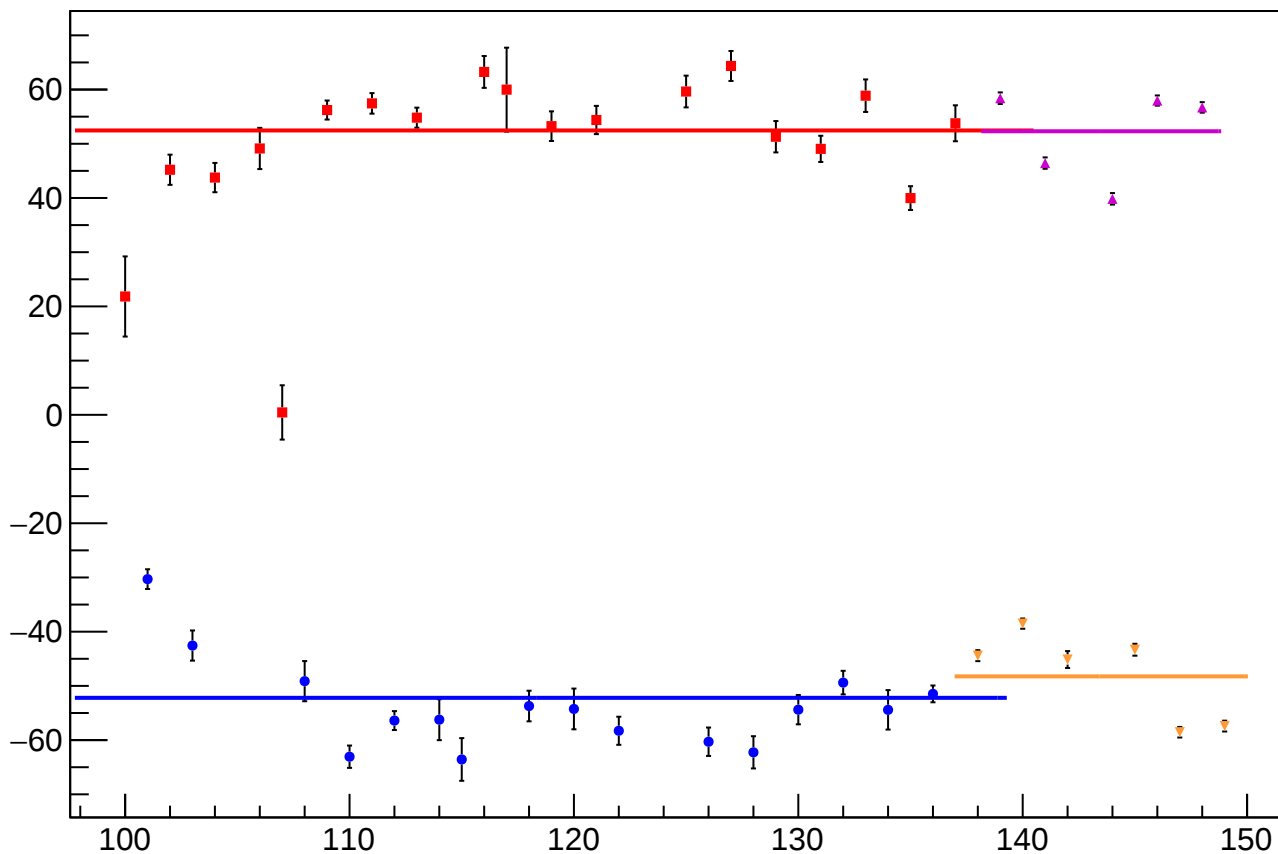
Left In: 0.207 ± 0.298 χ^2/NDF : 21.8/4

0.557 ± 0.223 χ^2/NDF : 178.8/21

0.153 ± 0.159 χ^2/NDF : 255.3/45

-0.269 ± 0.228 χ^2/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: -48.247 ± 0.431 χ^2/NDF : 340.0/5

Right Out: 52.455 ± 0.614 χ^2/NDF : 234.8/18

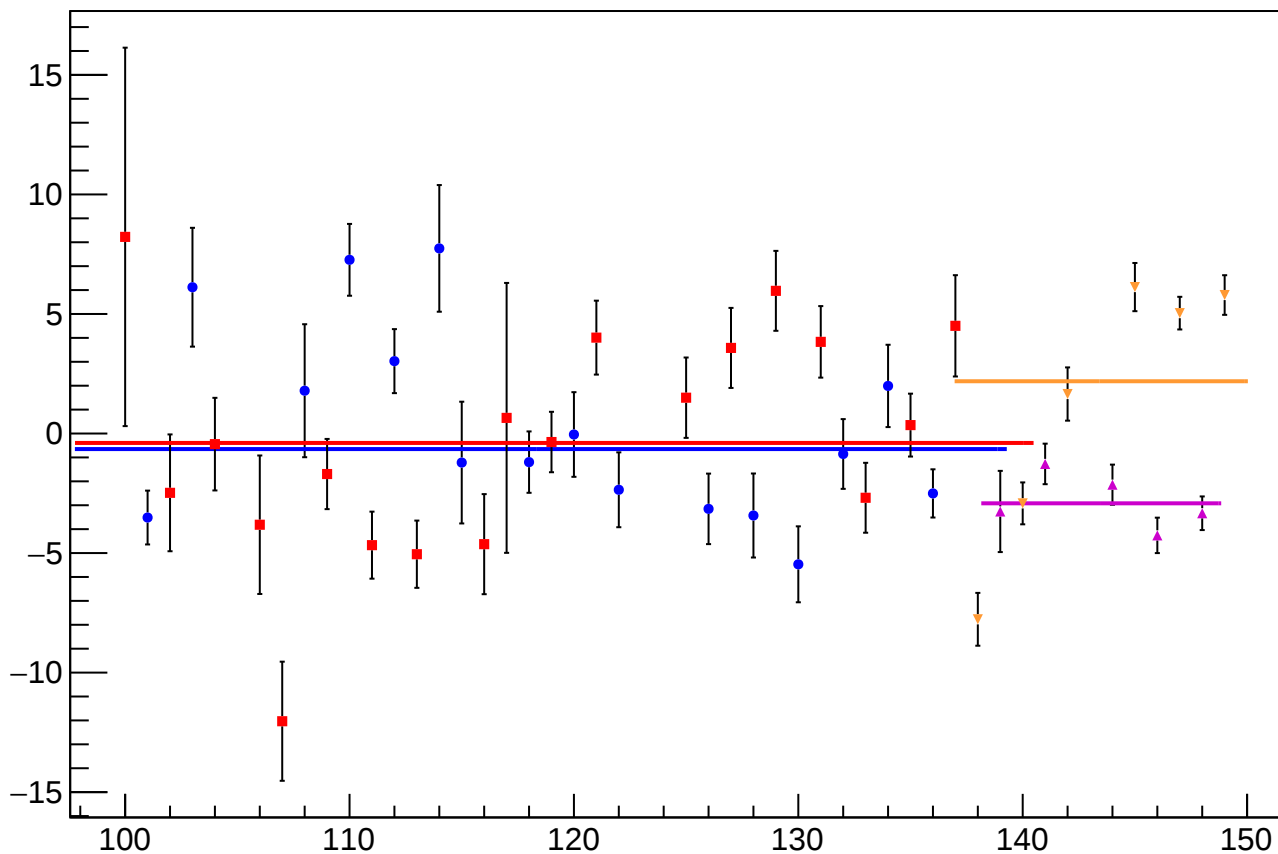
Left In: 52.307 ± 0.453 χ^2/NDF : 258.7/4

-49.550 ± 0.353 χ^2/NDF : 598.4/21

-0.284 ± 0.254 χ^2/NDF : 41418.1/45

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: 2.186 ± 0.365 χ^2/NDF : 167.0/5

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

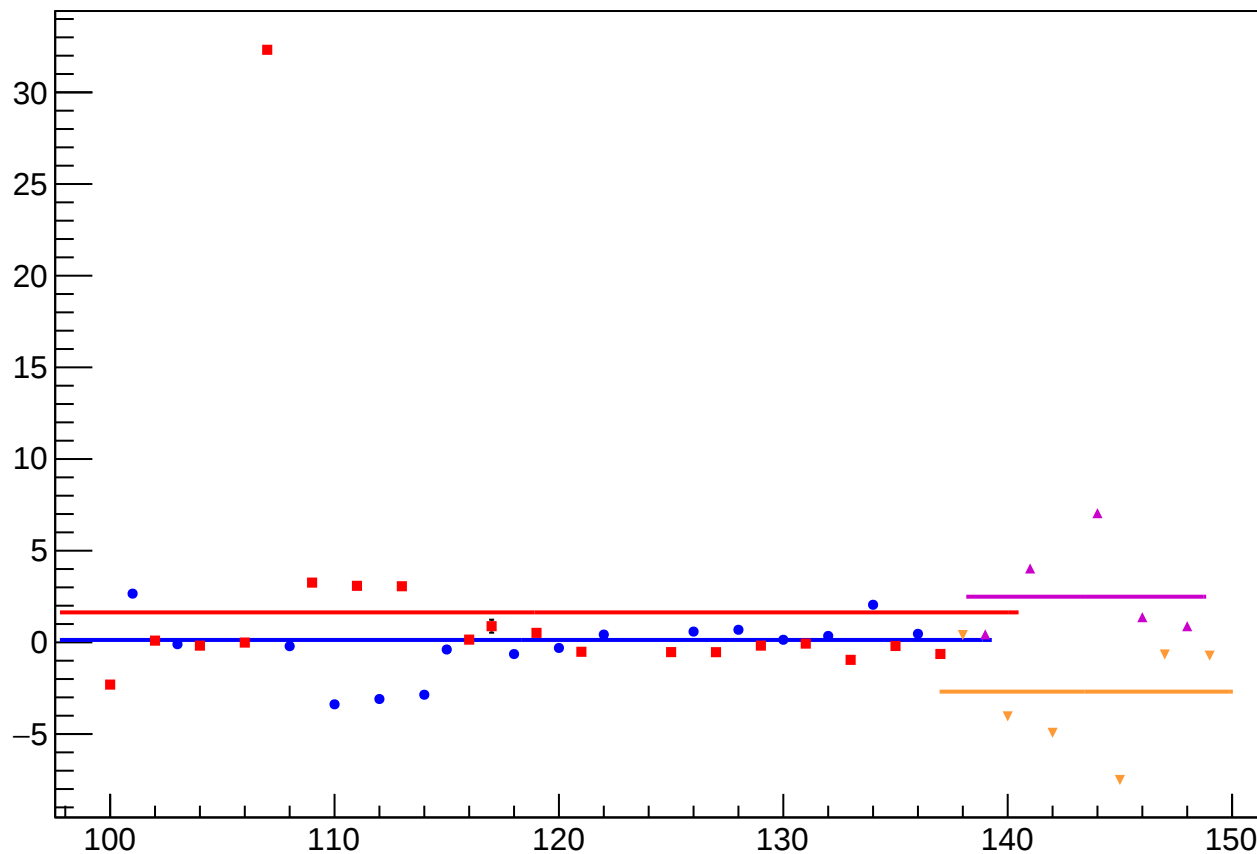
Left In: -2.919 ± 0.378 χ^2/NDF : 8.3/4

0.851 ± 0.265 χ^2/NDF : 277.4/21

-0.394 ± 0.191 χ^2/NDF : 448.2/45

-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 χ^2/NDF : 5247.5/15

Left Out: -2.688 ± 0.018 χ^2/NDF : 24851.9/5

Right Out: 1.635 ± 0.022 χ^2/NDF : 77852.9/18

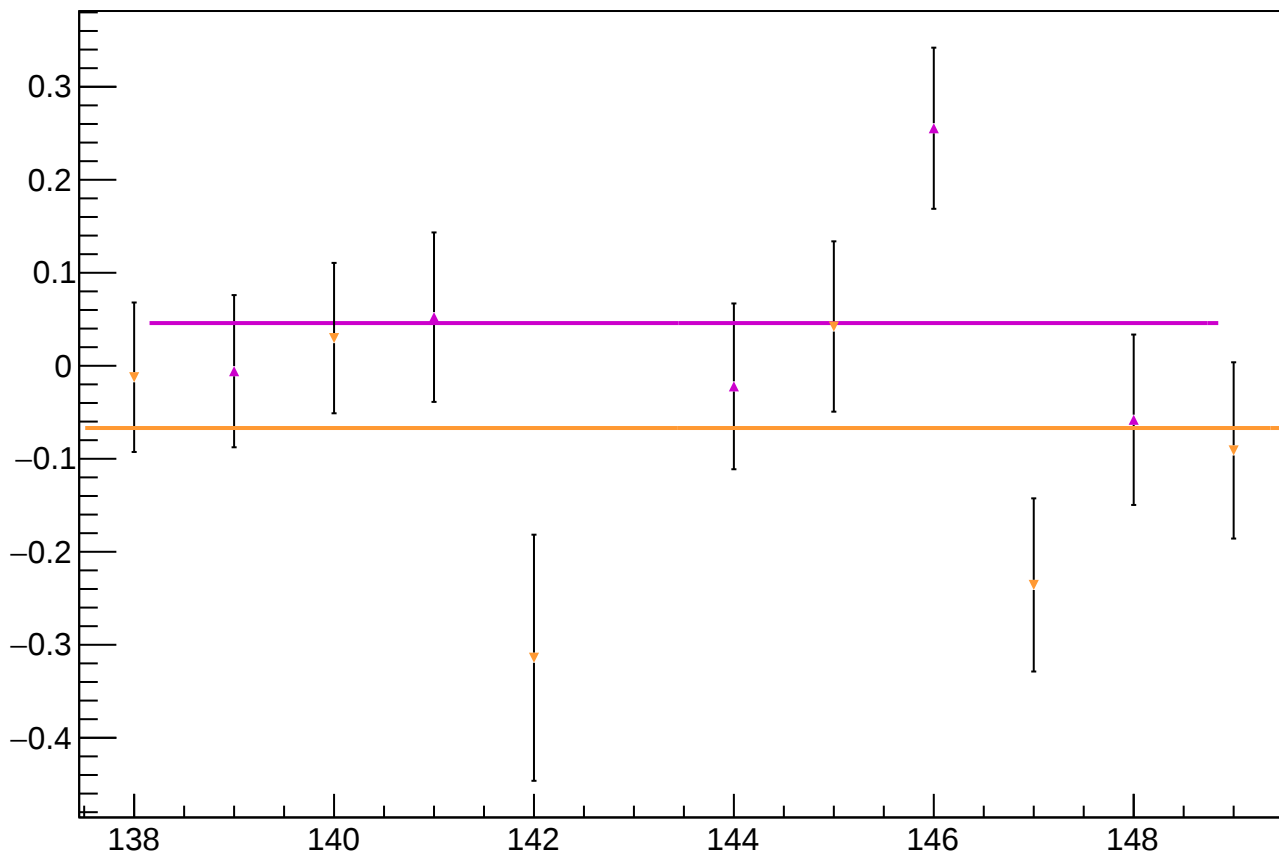
Left In: 2.491 ± 0.019 χ^2/NDF : 16144.6/4

-1.516 ± 0.014 χ^2/NDF : 40097.2/21

0.264 ± 0.010 χ^2/NDF : 168572.9/45

2.127 ± 0.014 χ^2/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: -0.067+/-0.038 χ^2/NDF : 10.1/5

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

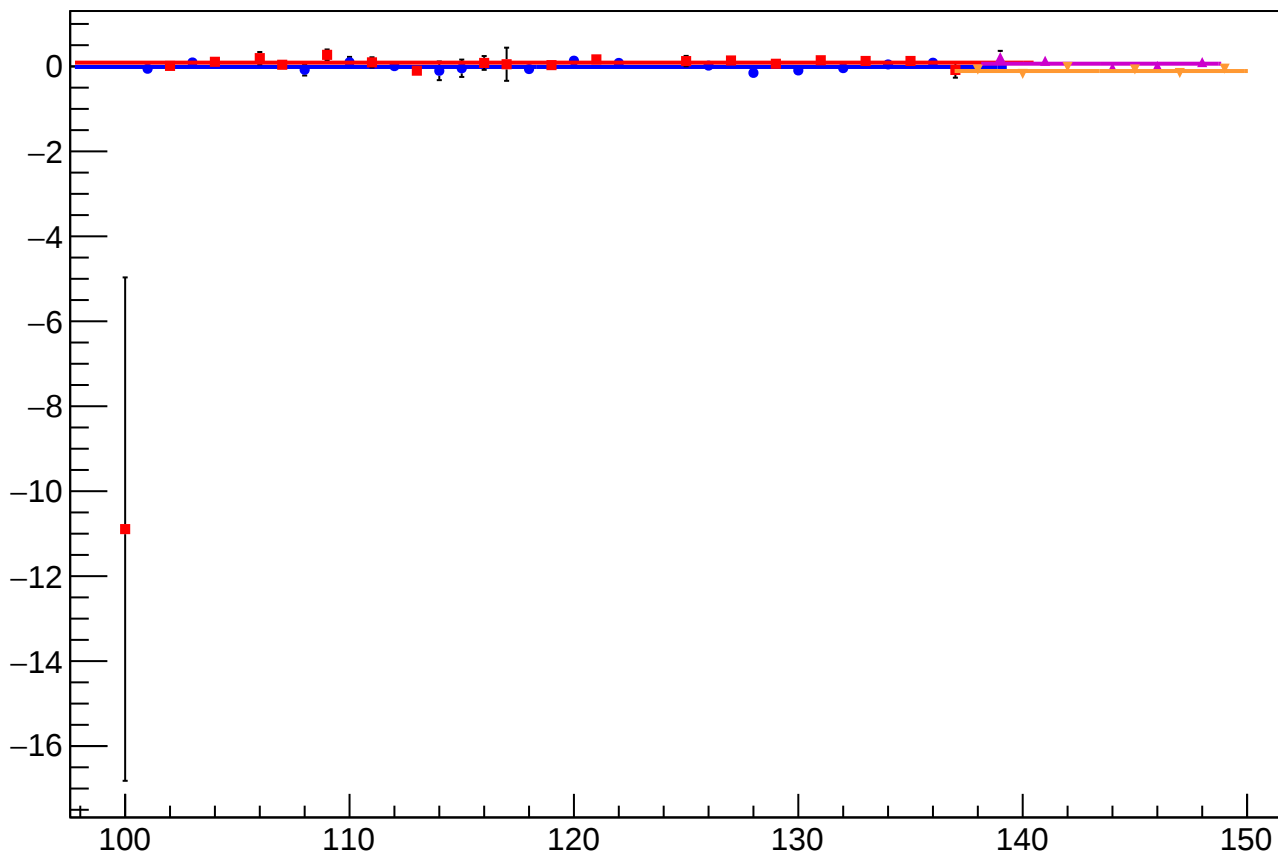
Left In: 0.046+/-0.039 χ^2/NDF : 8.1/4

-0.067+/-0.038 χ^2/NDF : 10.1/5

-0.013+/-0.027 χ^2/NDF : 22.6/10

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: -0.109 ± 0.026 χ^2/NDF : 4.7/5

Right Out: 0.089 ± 0.025 χ^2/NDF : 13.0/18

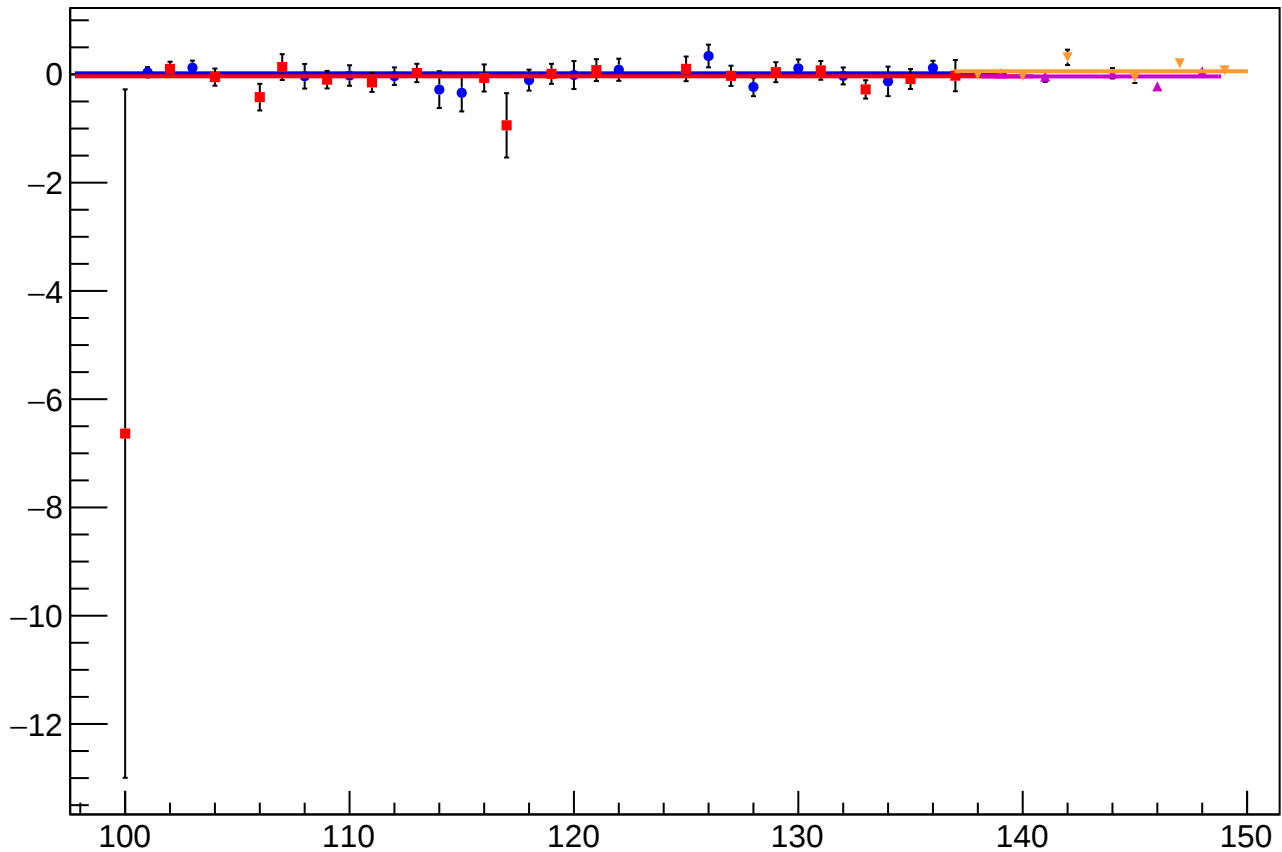
Left In: 0.064 ± 0.027 χ^2/NDF : 6.2/4

-0.055 ± 0.018 χ^2/NDF : 23.7/21

0.009 ± 0.013 χ^2/NDF : 71.2/45

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 χ^2/NDF : 9.1/15

Left Out: 0.058 ± 0.038 χ^2/NDF : 9.5/5

Right Out: -0.035 ± 0.045 χ^2/NDF : 11.6/18

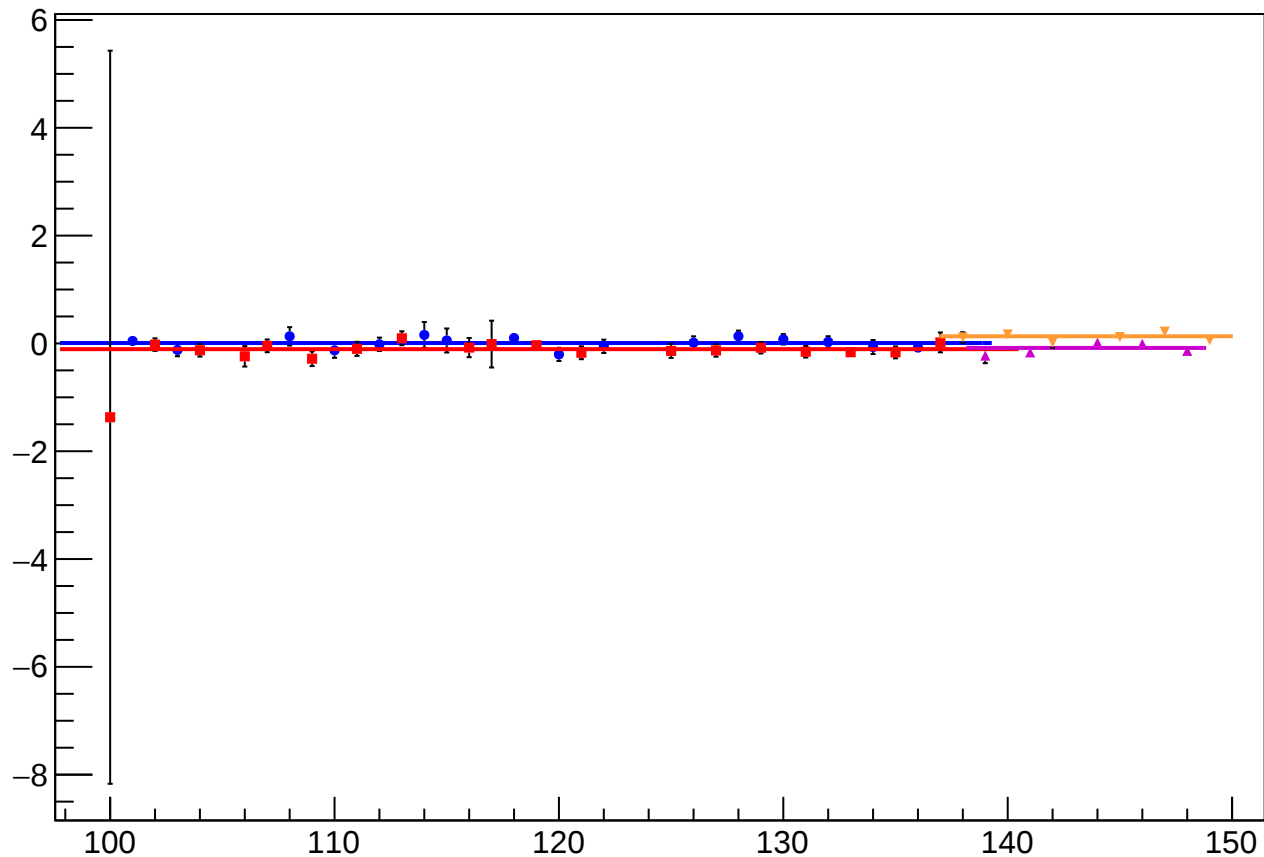
Left In: -0.038 ± 0.040 χ^2/NDF : 6.9/4

0.041 ± 0.029 χ^2/NDF : 19.0/21

0.004 ± 0.021 χ^2/NDF : 41.0/45

-0.037 ± 0.030 χ^2/NDF : 18.5/23

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2/NDF : 11.3/15

Left Out: 0.132 $\pm$ 0.033 χ^2/NDF : 4.5/5

Right Out: -0.106 $\pm$ 0.029 χ^2/NDF : 8.2/18

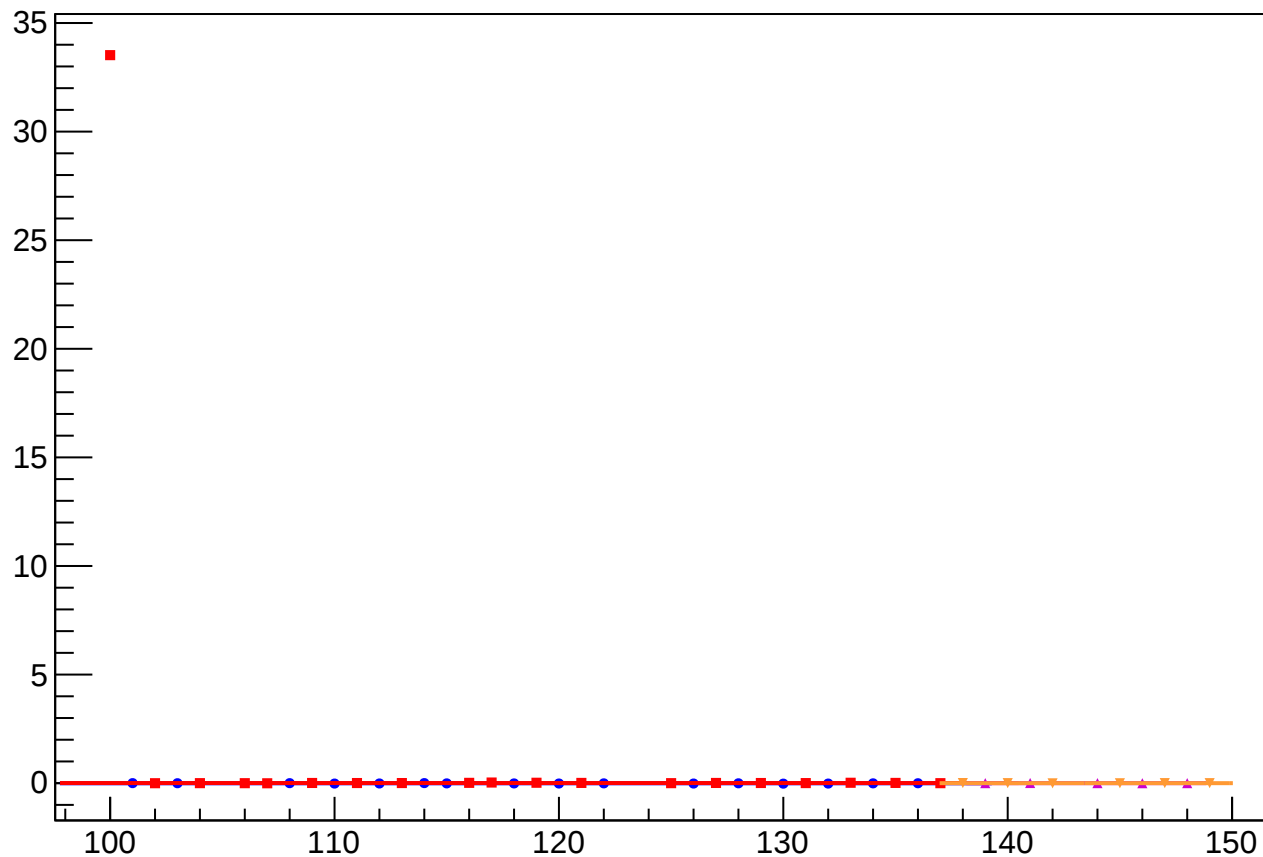
Left In: -0.084 $\pm$ 0.034 χ^2/NDF : 6.0/4

0.058 $\pm$ 0.021 χ^2/NDF : 24.4/21

-0.016 $\pm$ 0.015 χ^2/NDF : 65.4/45

-0.097 $\pm$ 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 : 6.0/5

Right Out: 0.006 ± 0.001 χ^2/NDF : 26509.5/18

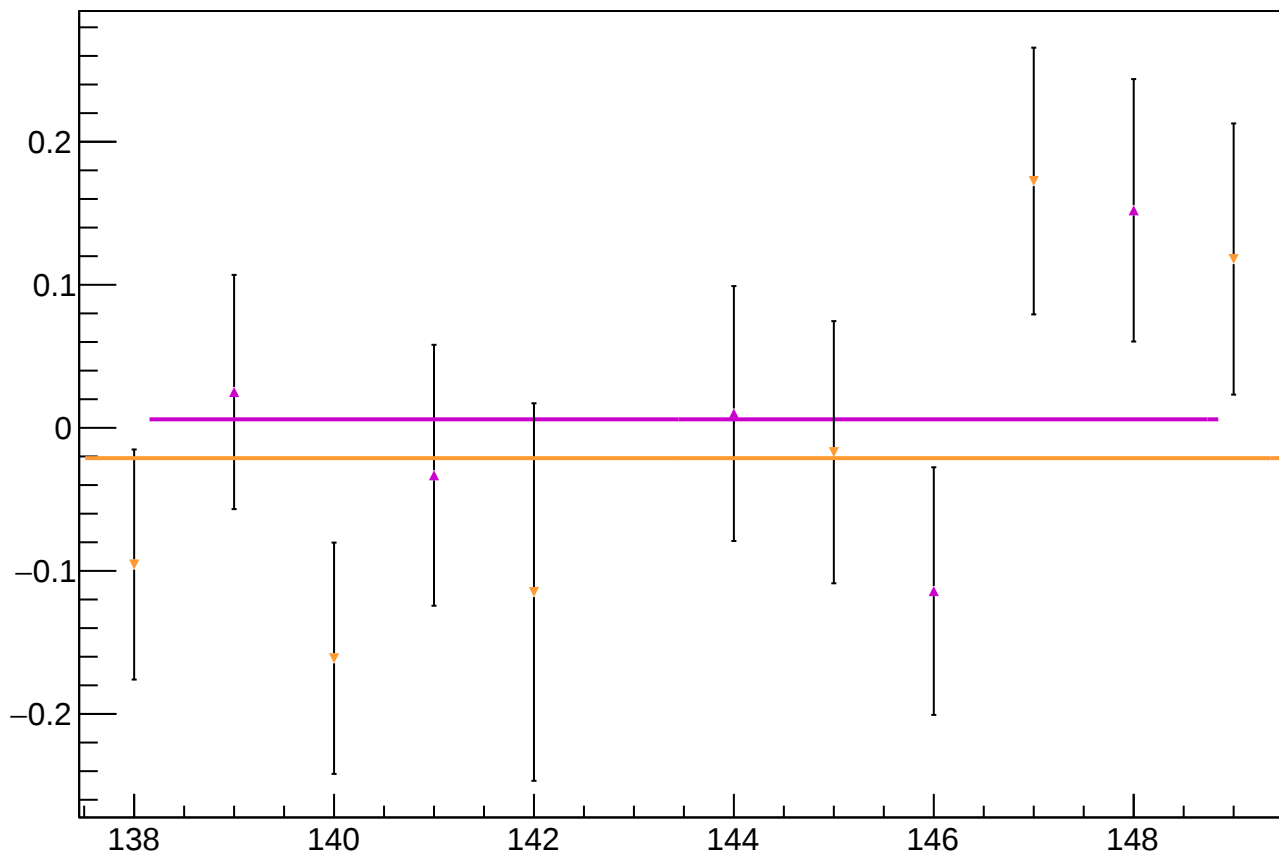
Left In: 0.002 ± 0.002 χ^2/NDF : 2.9/4

-0.003 ± 0.001 χ^2/NDF : 34.4/21

0.001 ± 0.001 χ^2/NDF : 26571.2/45

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: -0.021+/-0.038 χ^2/NDF : 10.8/5

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

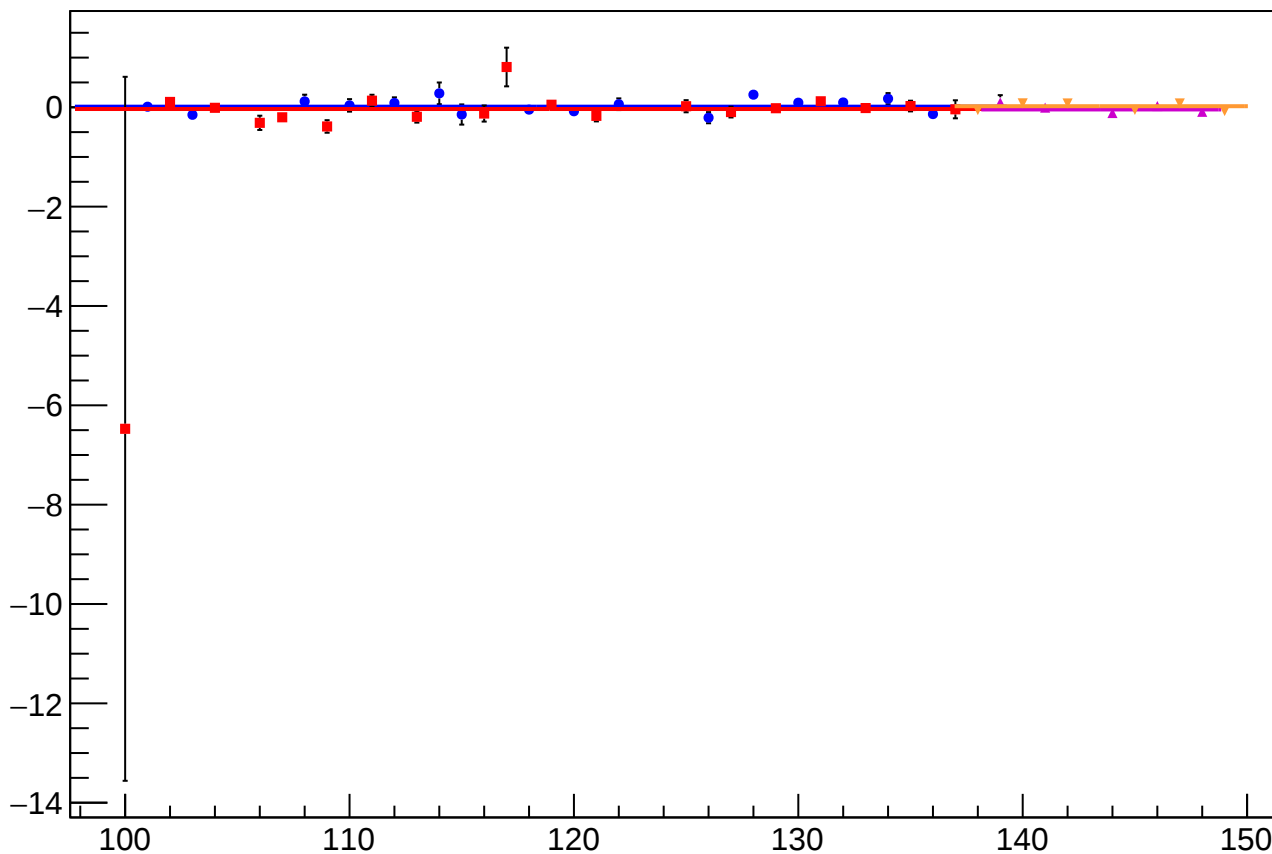
Left In: 0.006+/-0.039 χ^2/NDF : 4.7/4

-0.021+/-0.038 χ^2/NDF : 10.8/5

-0.008+/-0.027 χ^2/NDF : 15.8/10

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: 0.022 ± 0.026 χ^2/NDF : 7.1/5

Right Out: -0.035 ± 0.025 χ^2/NDF : 33.2/18

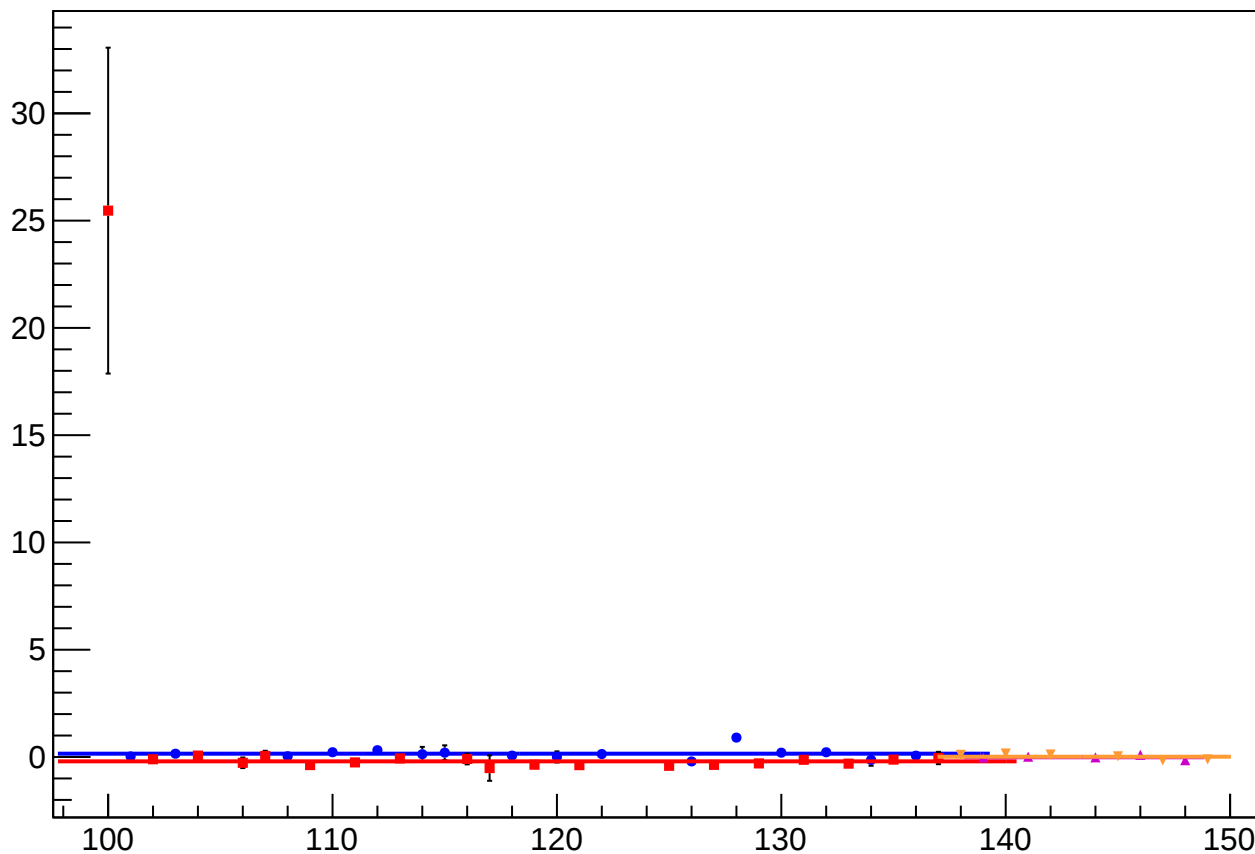
Left In: -0.044 ± 0.027 χ^2/NDF : 5.4/4

0.016 ± 0.018 χ^2/NDF : 32.2/21

-0.010 ± 0.013 χ^2/NDF : 75.7/45

-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 χ^2/NDF : 27.9/15

Left Out: 0.012 ± 0.038 χ^2/NDF : 10.5/5

Right Out: -0.203 ± 0.045 χ^2/NDF : 22.9/18

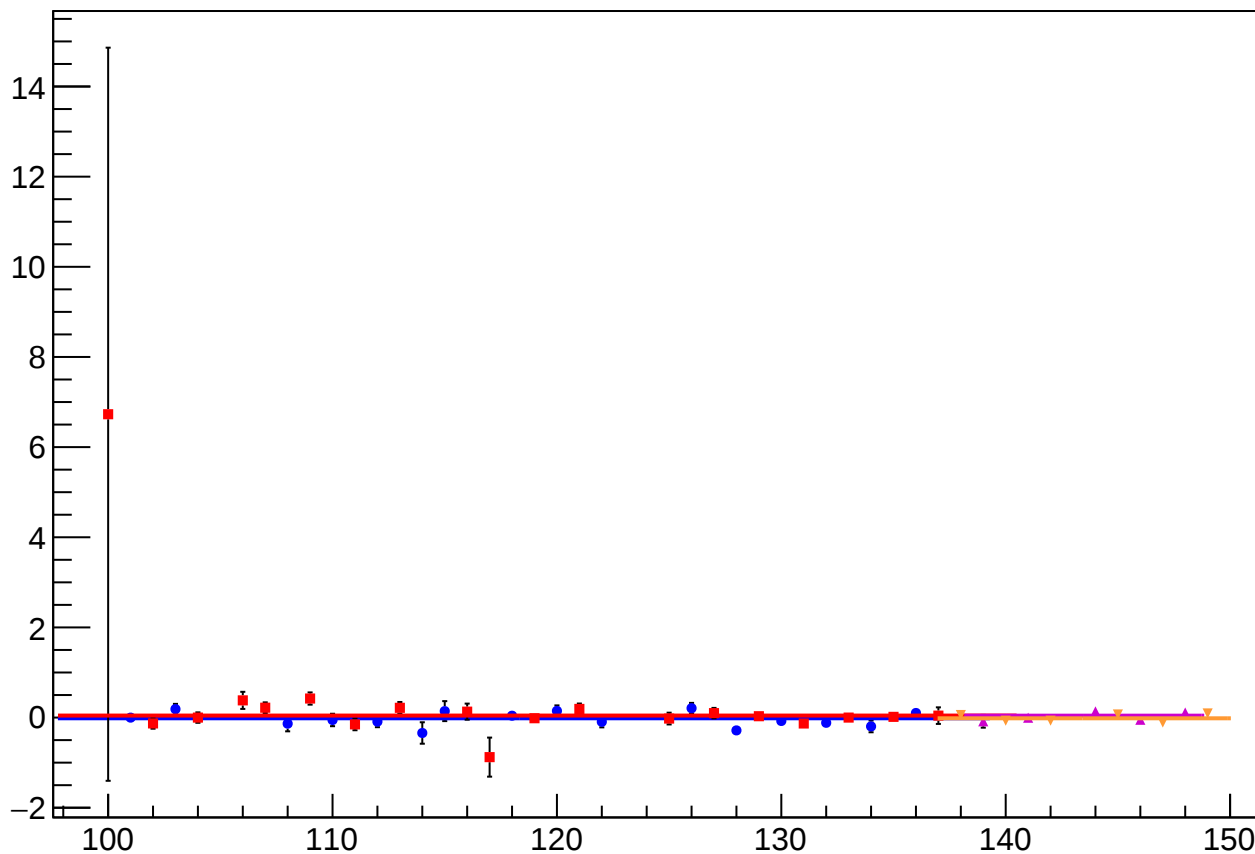
Left In: -0.013 ± 0.040 χ^2/NDF : 4.5/4

0.075 ± 0.029 χ^2/NDF : 44.5/21

-0.007 ± 0.021 χ^2/NDF : 99.3/45

-0.097 ± 0.030 χ^2/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: -0.016 ± 0.033 χ^2/NDF : 6.7/5

Right Out: 0.044 ± 0.029 χ^2/NDF : 30.5/18

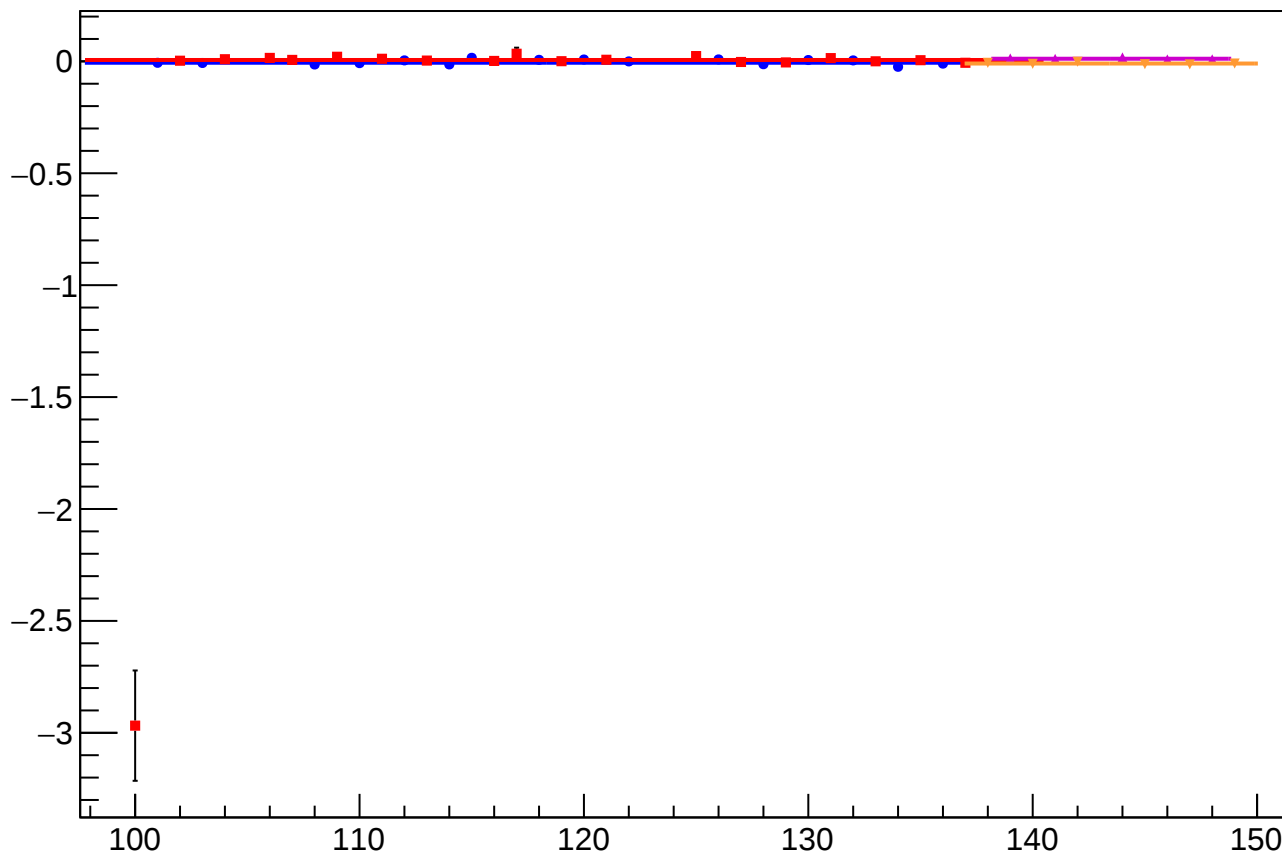
Left In: 0.042 ± 0.034 χ^2/NDF : 5.9/4

-0.016 ± 0.021 χ^2/NDF : 31.0/21

0.012 ± 0.015 χ^2/NDF : 71.3/45

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: 4.5/5

Right Out: 0.006+/-0.001 χ^2 /NDF: 167.0/18

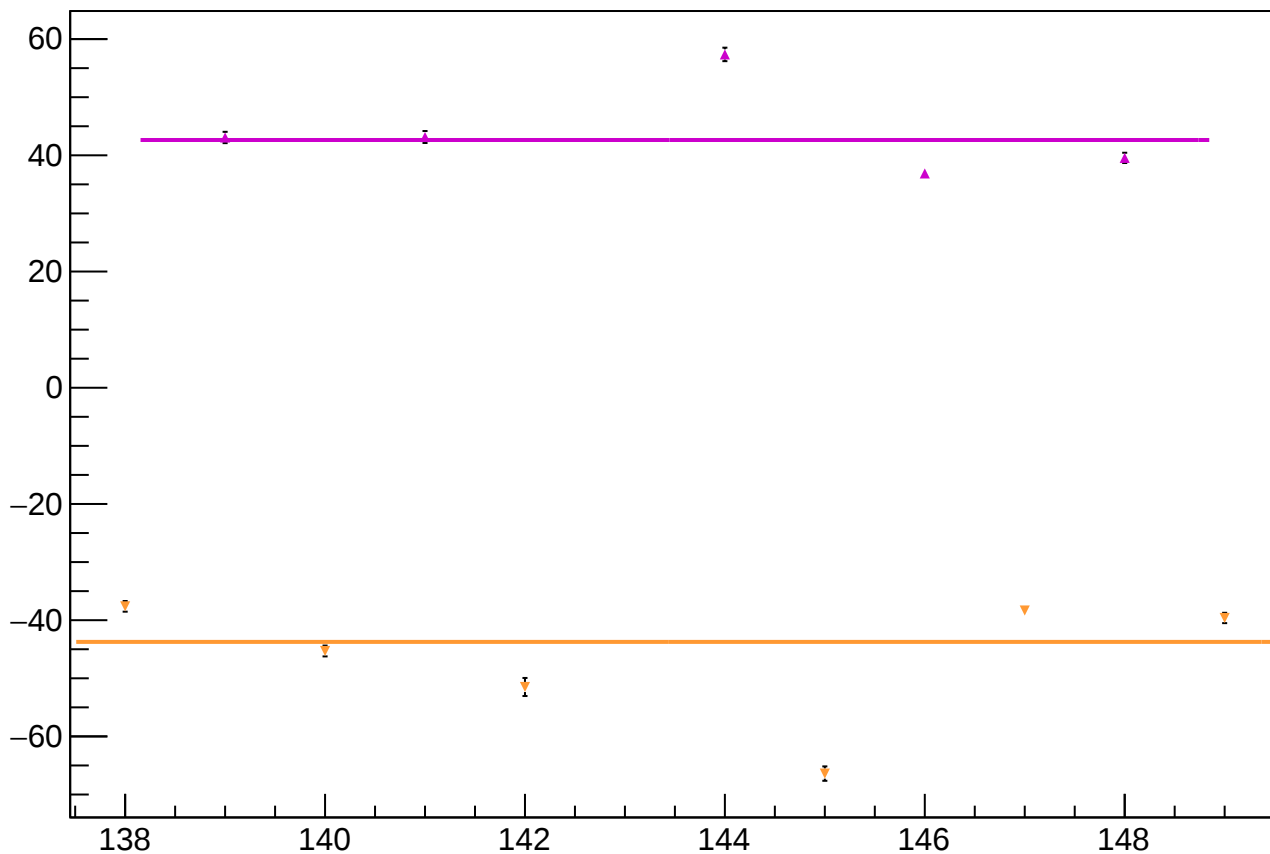
Left In: 0.012+/-0.002 χ^2 /NDF: 3.6/4

-0.008+/-0.001 χ^2 /NDF: 34.6/21

0.000+/-0.001 χ^2 /NDF: 324.5/45

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 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -43.735 $\pm$ 0.408 χ^2/NDF : 467.3/5

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

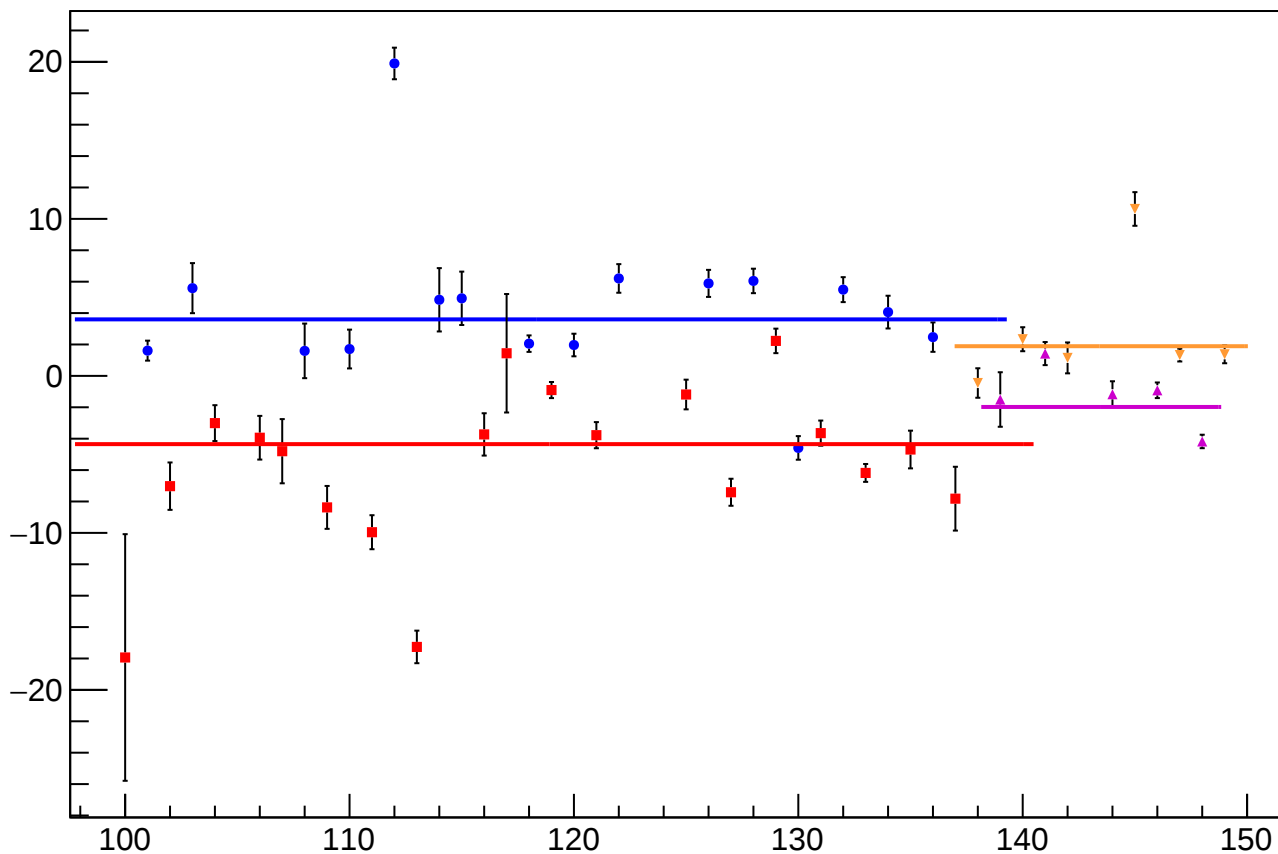
Left In: 42.635 $\pm$ 0.430 χ^2/NDF : 219.4/4

-43.735 $\pm$ 0.408 χ^2/NDF : 467.3/5

-2.884 $\pm$ 0.296 χ^2/NDF : 21912.2/10

42.635 $\pm$ 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: 1.890 ± 0.269 χ^2/NDF : 76.4/5

Right Out: -4.347 ± 0.224 χ^2/NDF : 355.4/18

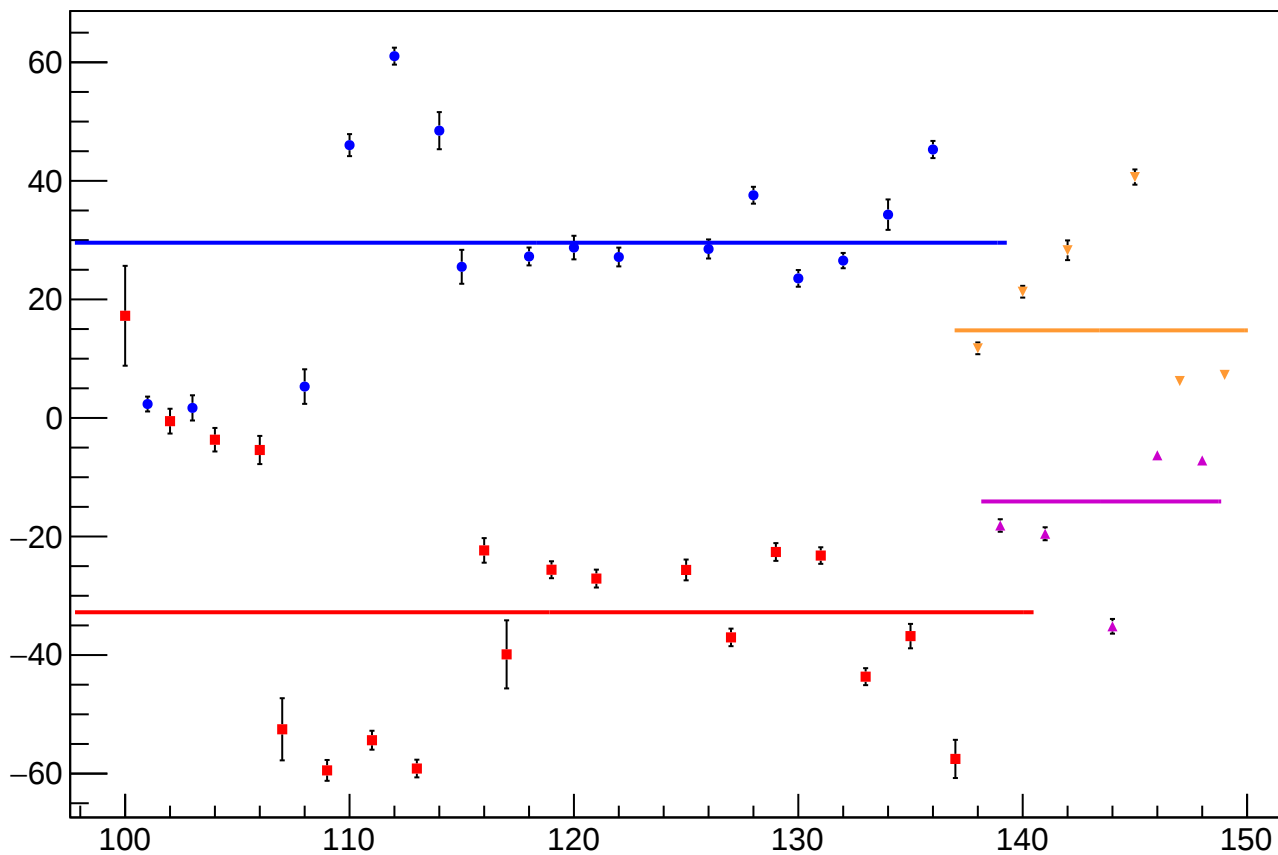
Left In: -1.979 ± 0.276 χ^2/NDF : 53.2/4

2.913 ± 0.170 χ^2/NDF : 544.0/21

-0.180 ± 0.122 χ^2/NDF : 1669.0/45

-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: 14.776 $\pm$ 0.409 χ^2 /NDF: 717.1/5

Right Out: -32.780 $\pm$ 0.422 χ^2 /NDF: 1664.8/18

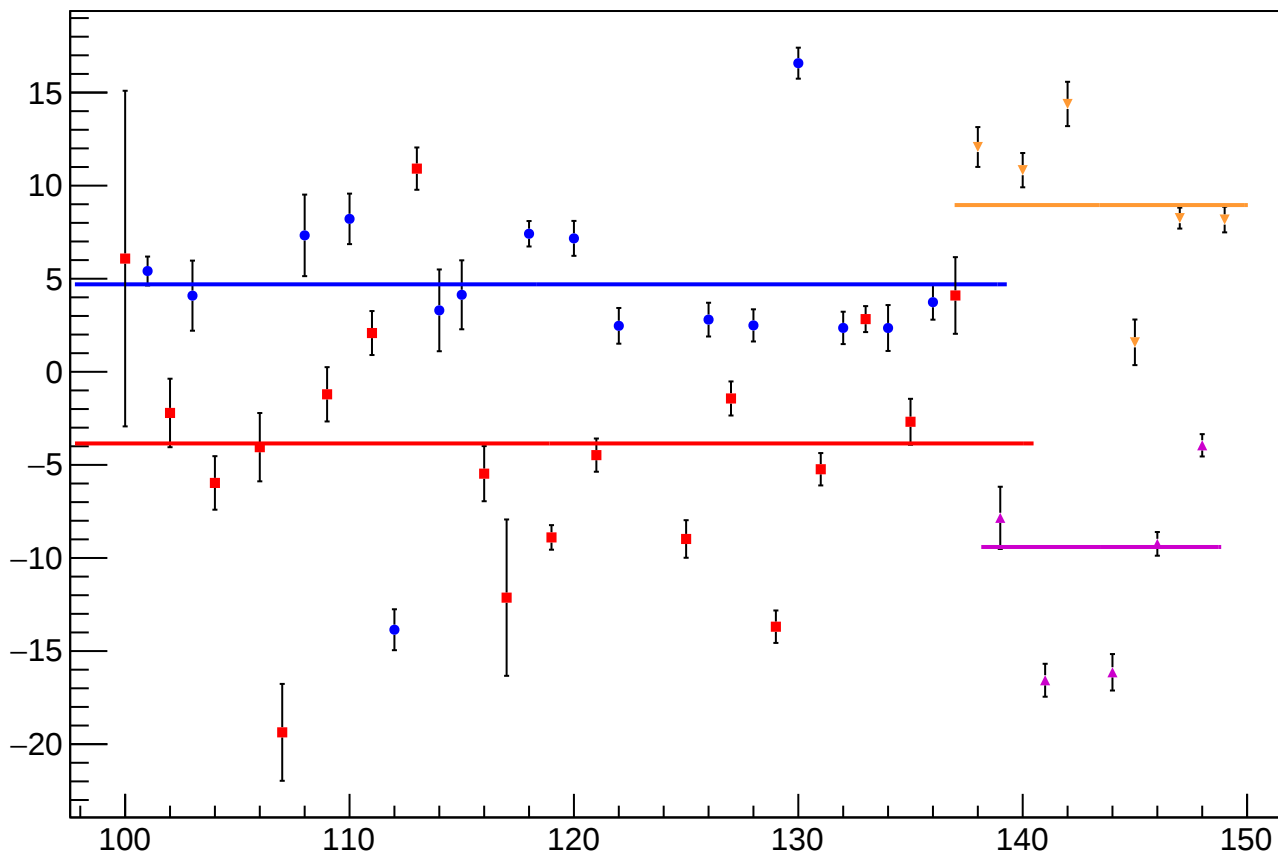
Left In: -14.089 $\pm$ 0.433 χ^2 /NDF: 488.9/4

21.979 $\pm$ 0.293 χ^2 /NDF: 2848.9/21

-0.149 $\pm$ 0.210 χ^2 /NDF: 17743.0/45

-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 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 8.956 ± 0.339 $\chi^2/\text{NDF}: 72.5/5$

Right Out: -3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

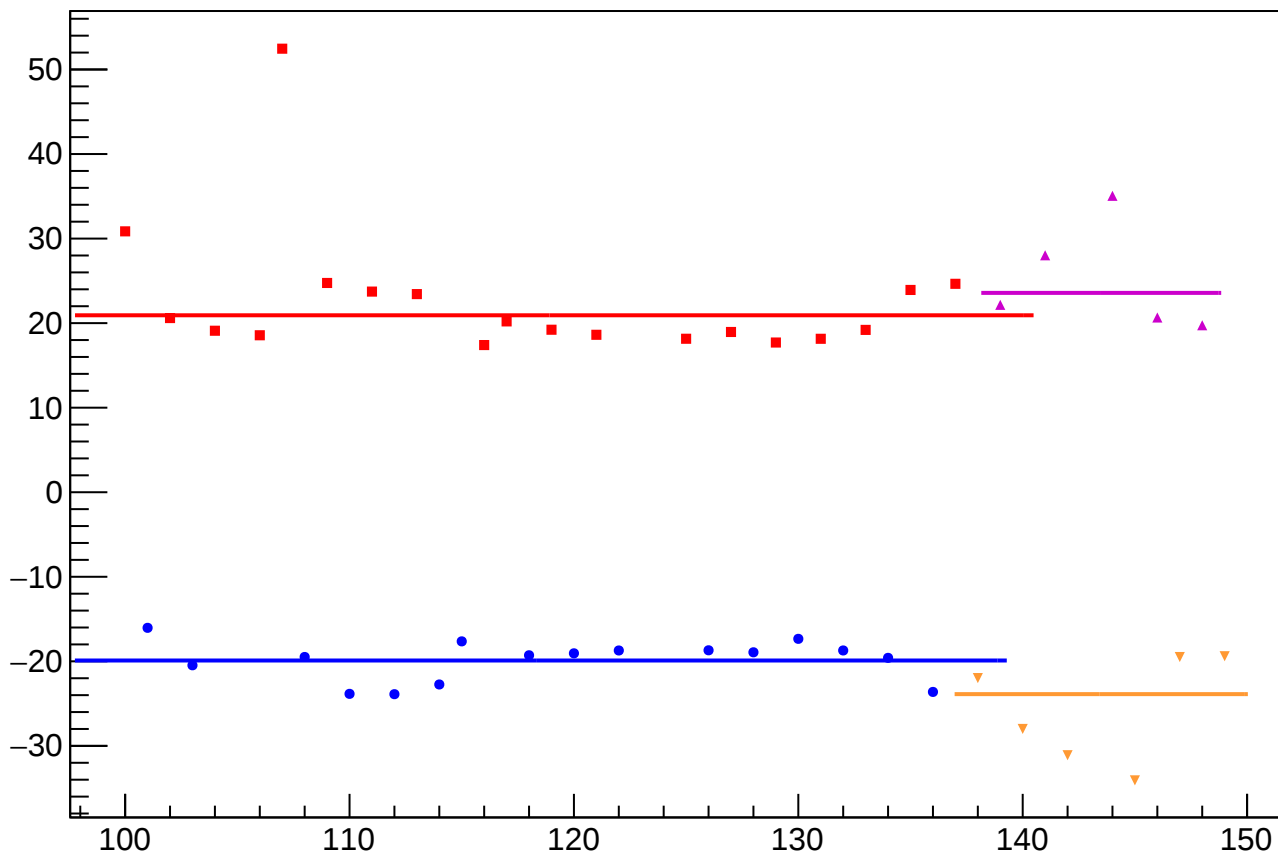
Left In: -9.409 ± 0.355 $\chi^2/\text{NDF}: 196.6/4$

6.227 ± 0.203 $\chi^2/\text{NDF}: 722.3/21$

0.384 ± 0.146 $\chi^2/\text{NDF}: 3345.8/45$

-5.769 ± 0.209 $\chi^2/\text{NDF}: 928.7/23$

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: -23.880 ± 0.018 χ^2/NDF : 92013.7/5

Right Out: 20.928 ± 0.016 χ^2/NDF : 94015.9/18

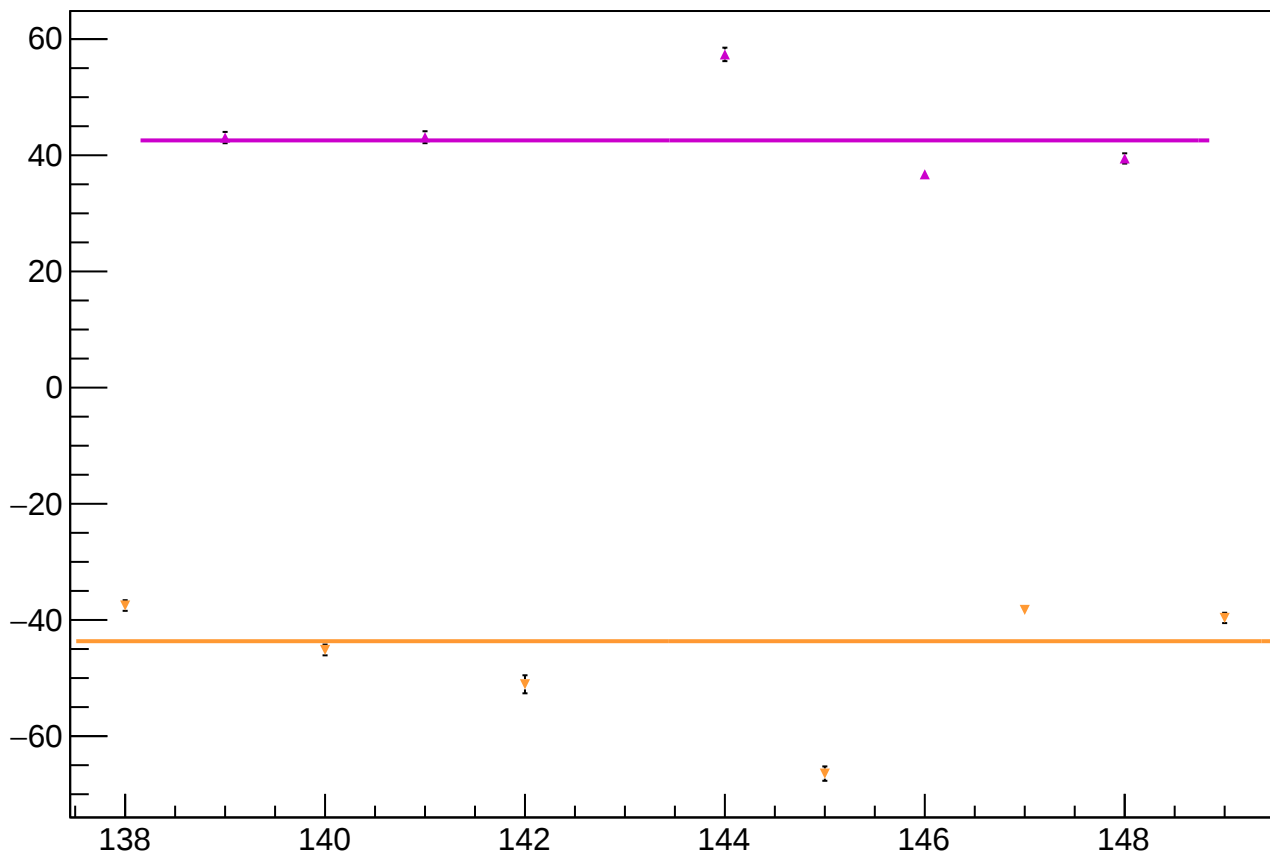
Left In: 23.578 ± 0.018 χ^2/NDF : 73658.7/4

-21.668 ± 0.012 χ^2/NDF : 146744.3/21

-0.097 ± 0.008 χ^2/NDF : 7255311.0/45

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: -43.656+/-0.407 χ^2/NDF : 468.5/5

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

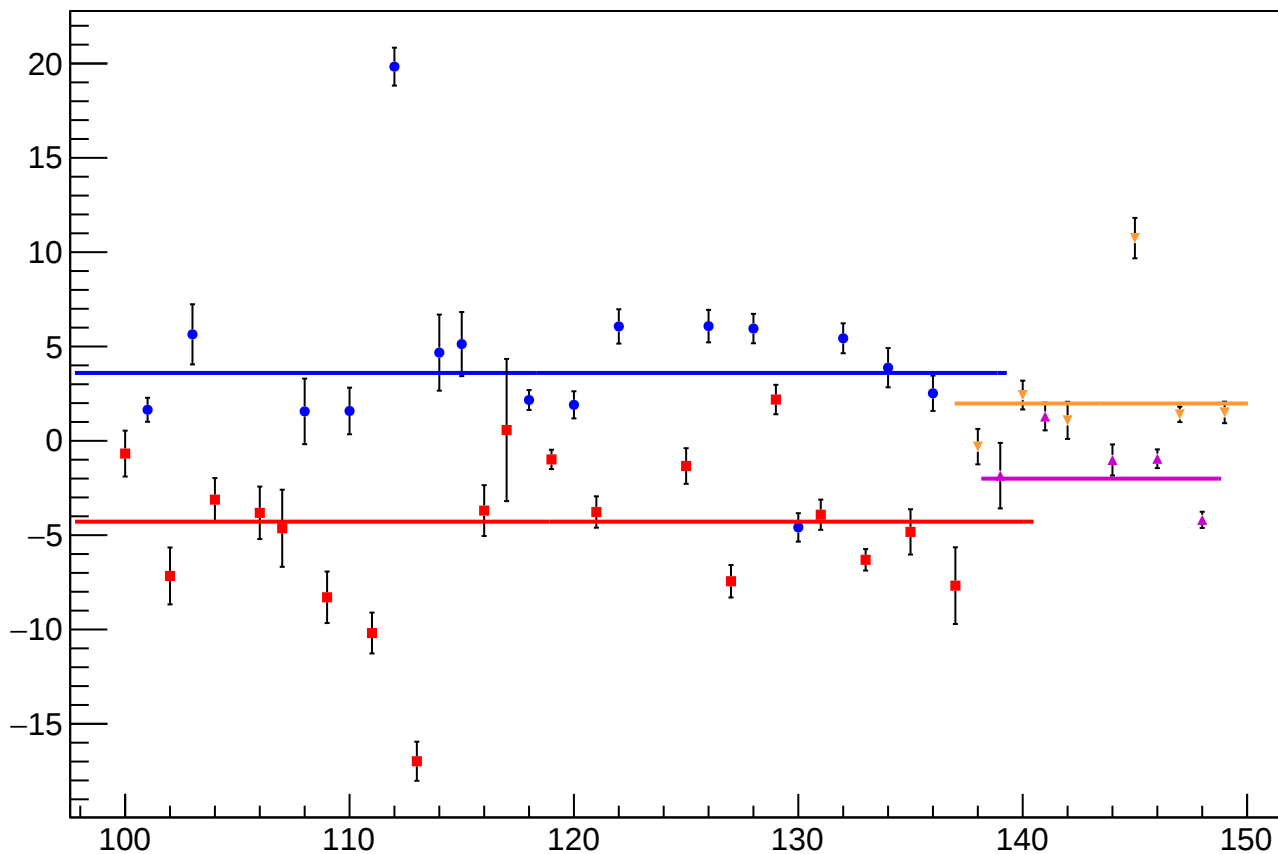
Left In: 42.558+/-0.430 χ^2/NDF : 222.9/4

-43.656+/-0.407 χ^2/NDF : 468.5/5

-2.876+/-0.296 χ^2/NDF : 21865.3/10

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+/-0.220 χ^2/NDF : 440.3/15

Left Out: 1.979+/-0.269 χ^2/NDF : 76.8/5

Right Out: -4.284+/-0.221 χ^2/NDF : 353.8/18

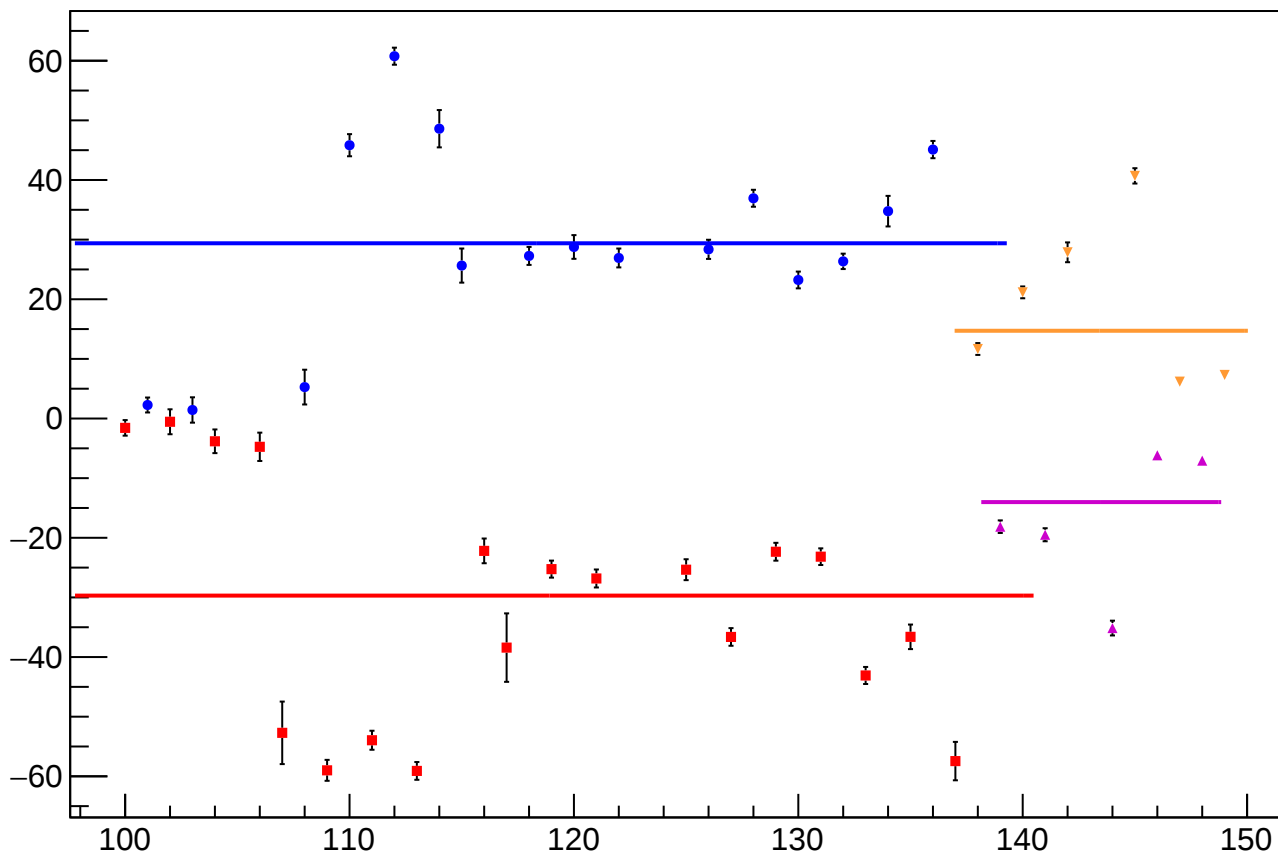
Left In: -2.004+/-0.276 χ^2/NDF : 52.0/4

2.949+/-0.170 χ^2/NDF : 538.8/21

-0.187+/-0.121 χ^2/NDF : 1671.7/45

-3.394+/-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: 14.717 $\pm$ 0.409 χ^2/NDF : 714.5/5

Right Out: -29.695 $\pm$ 0.401 χ^2/NDF : 2133.3/18

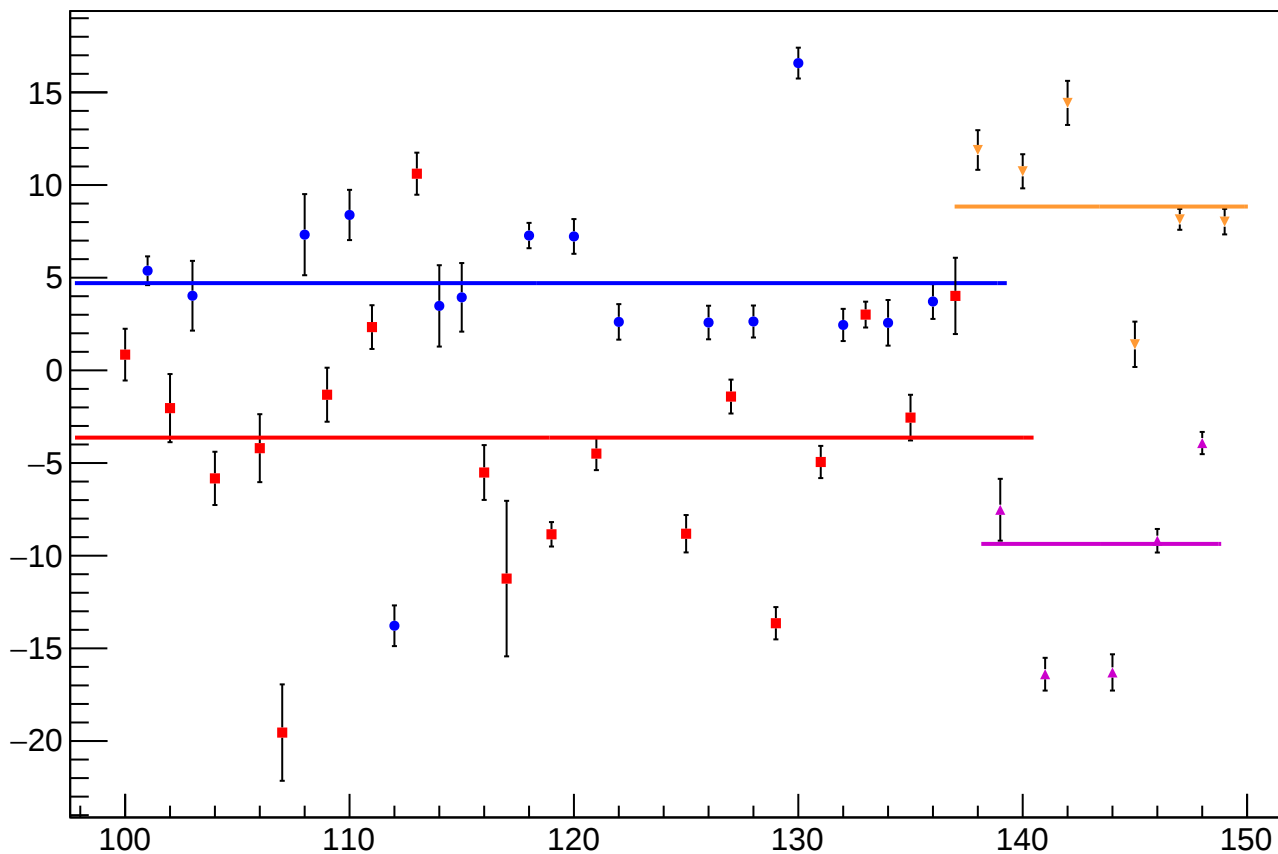
Left In: -14.014 $\pm$ 0.432 χ^2/NDF : 494.0/4

21.864 $\pm$ 0.293 χ^2/NDF : 2831.1/21

-0.172 $\pm$ 0.207 χ^2/NDF : 17564.8/45

-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: 8.838 ± 0.339 χ^2/NDF : 74.3/5

Right Out: -3.629 ± 0.254 χ^2/NDF : 576.7/18

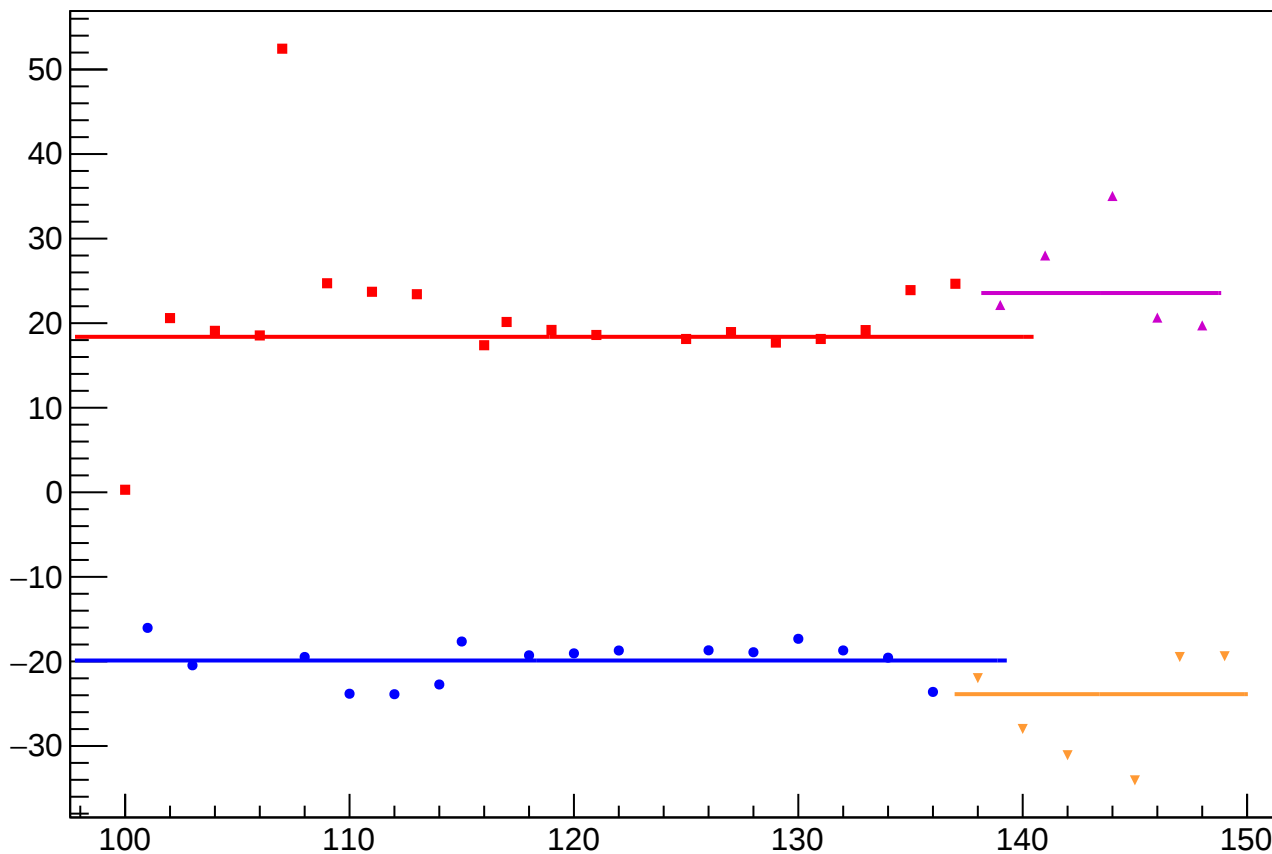
Left In: -9.364 ± 0.355 χ^2/NDF : 197.2/4

6.190 ± 0.203 χ^2/NDF : 714.6/21

0.400 ± 0.145 χ^2/NDF : 3309.3/45

-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 χ^2/NDF : 26044.4/15

Left Out: -23.871±/0.018 χ^2/NDF : 92070.5/5

Right Out: 18.386±/0.015 χ^2/NDF : 301044.3/18

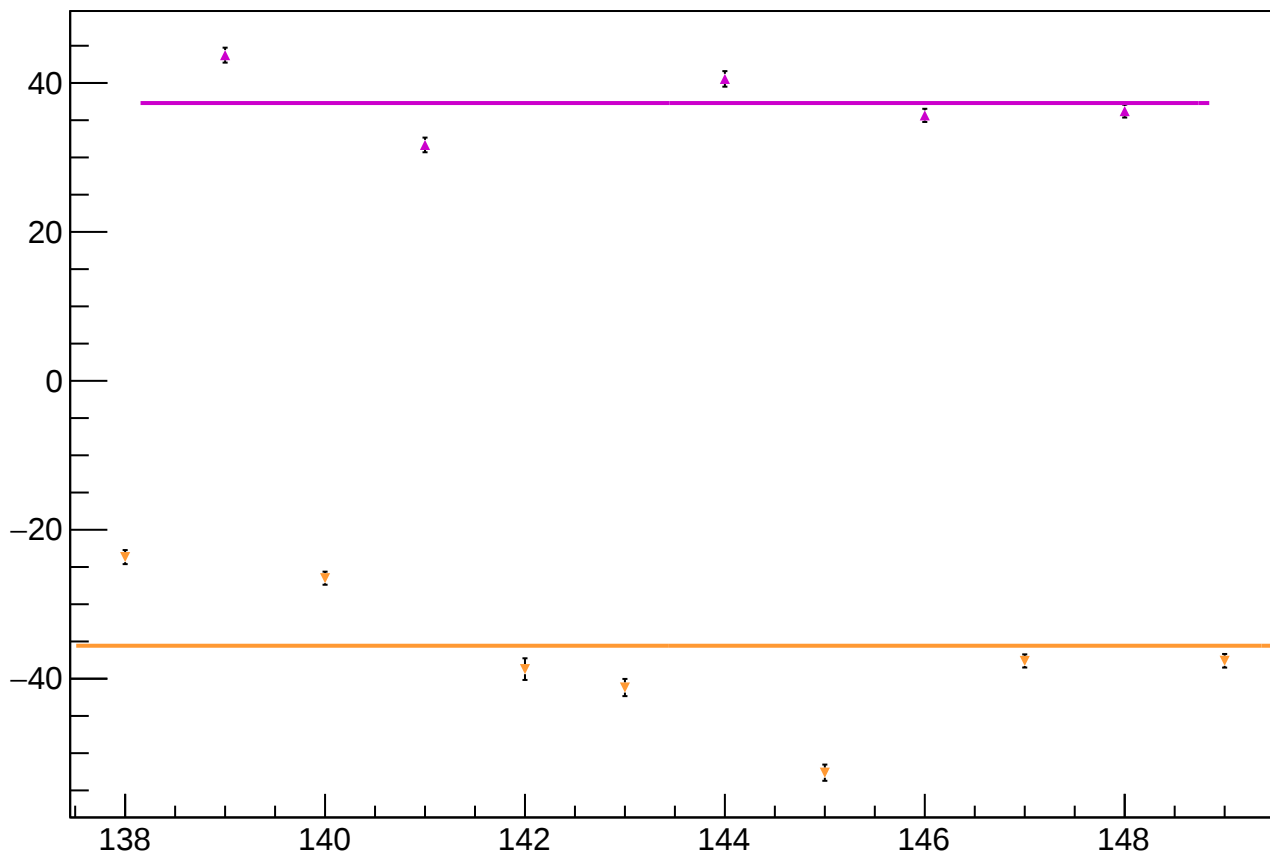
Left In: 23.566±/0.018 χ^2/NDF : 73615.8/4

-21.657±/0.012 χ^2/NDF : 146874.5/21

-0.110±/0.008 χ^2/NDF : 7243893.7/45

20.463±/0.011 χ^2/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: -35.573+/-0.379 χ^2/NDF : 549.0/6

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

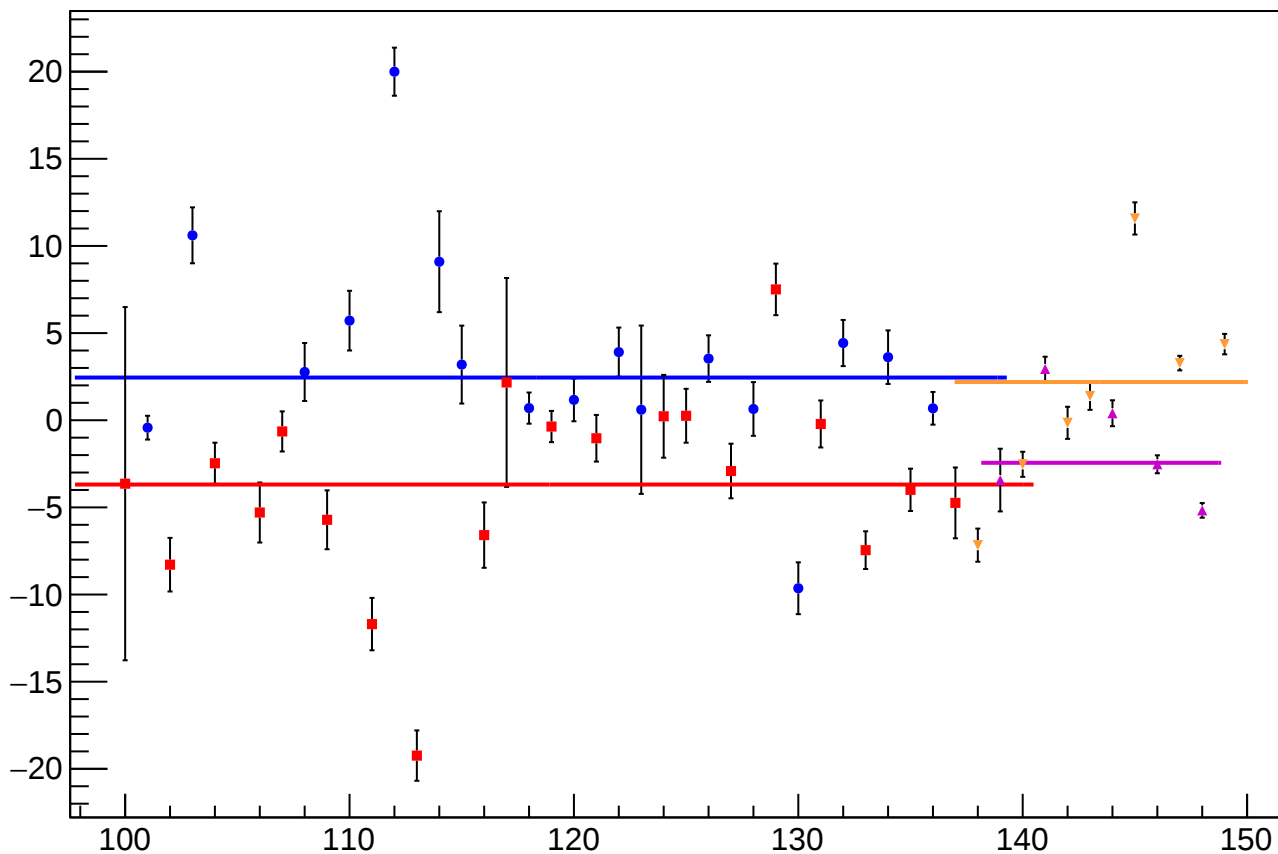
Left In: 37.305+/-0.425 χ^2/NDF : 88.3/4

-35.573+/-0.379 χ^2/NDF : 549.0/6

-3.279+/-0.283 χ^2/NDF : 17024.1/11

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 χ^2/NDF : 295.3/16

Left Out: 2.194 ± 0.253 χ^2/NDF : 271.0/6

Right Out: -3.690 ± 0.326 χ^2/NDF : 270.4/19

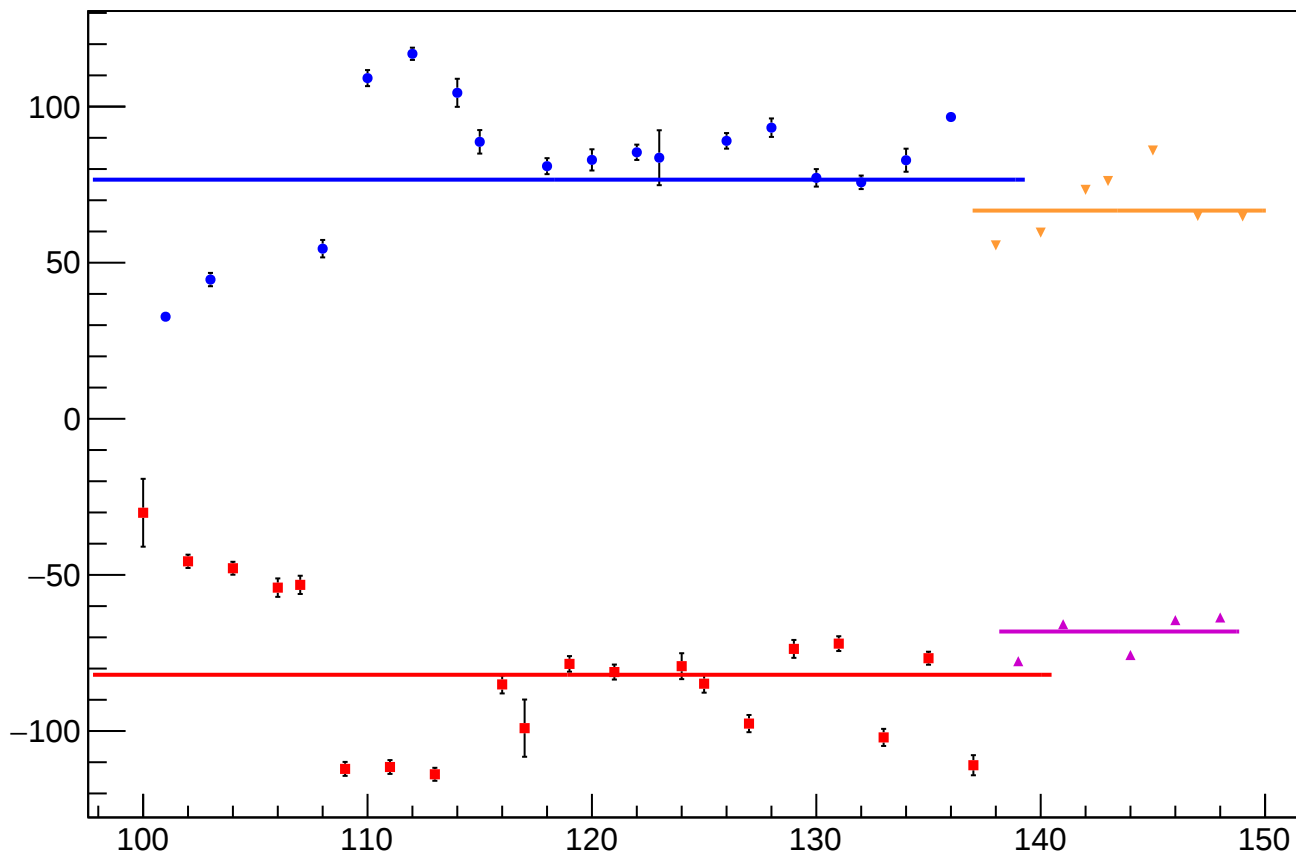
Left In: -2.442 ± 0.272 χ^2/NDF : 115.5/4

2.295 ± 0.197 χ^2/NDF : 566.7/23

-0.182 ± 0.143 χ^2/NDF : 1295.2/48

-2.954 ± 0.209 χ^2/NDF : 394.5/24

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 ± 0.576 χ^2/NDF : 2255.1/16

Left Out: 66.694 ± 0.384 χ^2/NDF : 548.3/6

Right Out: -81.987 ± 0.591 χ^2/NDF : 1574.2/19

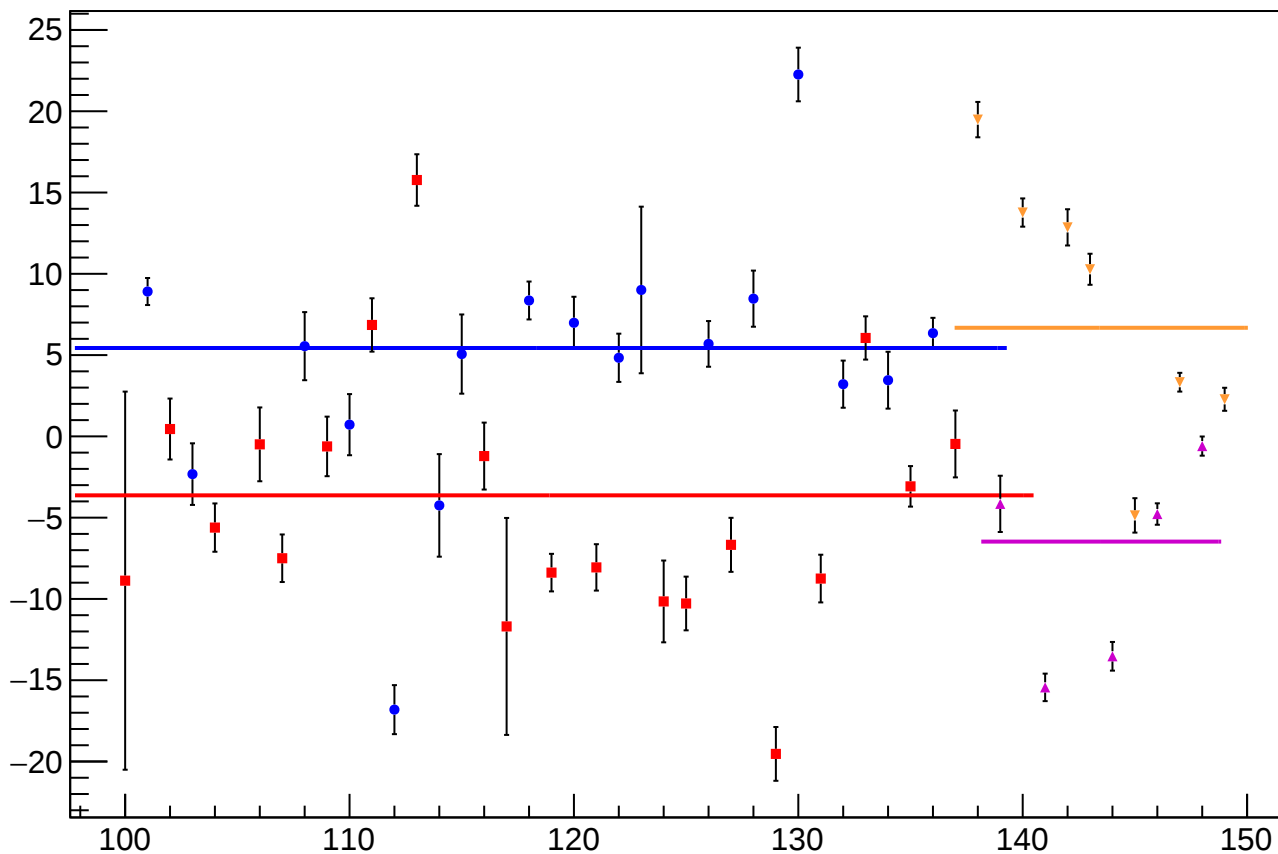
Left In: -68.136 ± 0.428 χ^2/NDF : 176.0/4

69.742 ± 0.320 χ^2/NDF : 3008.1/23

4.191 ± 0.235 χ^2/NDF : 96700.0/48

-72.901 ± 0.347 χ^2/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: 6.680 $\pm$ 0.317 χ^2/NDF : 441.1/6

Right Out: -3.628 $\pm$ 0.374 χ^2/NDF : 424.8/19

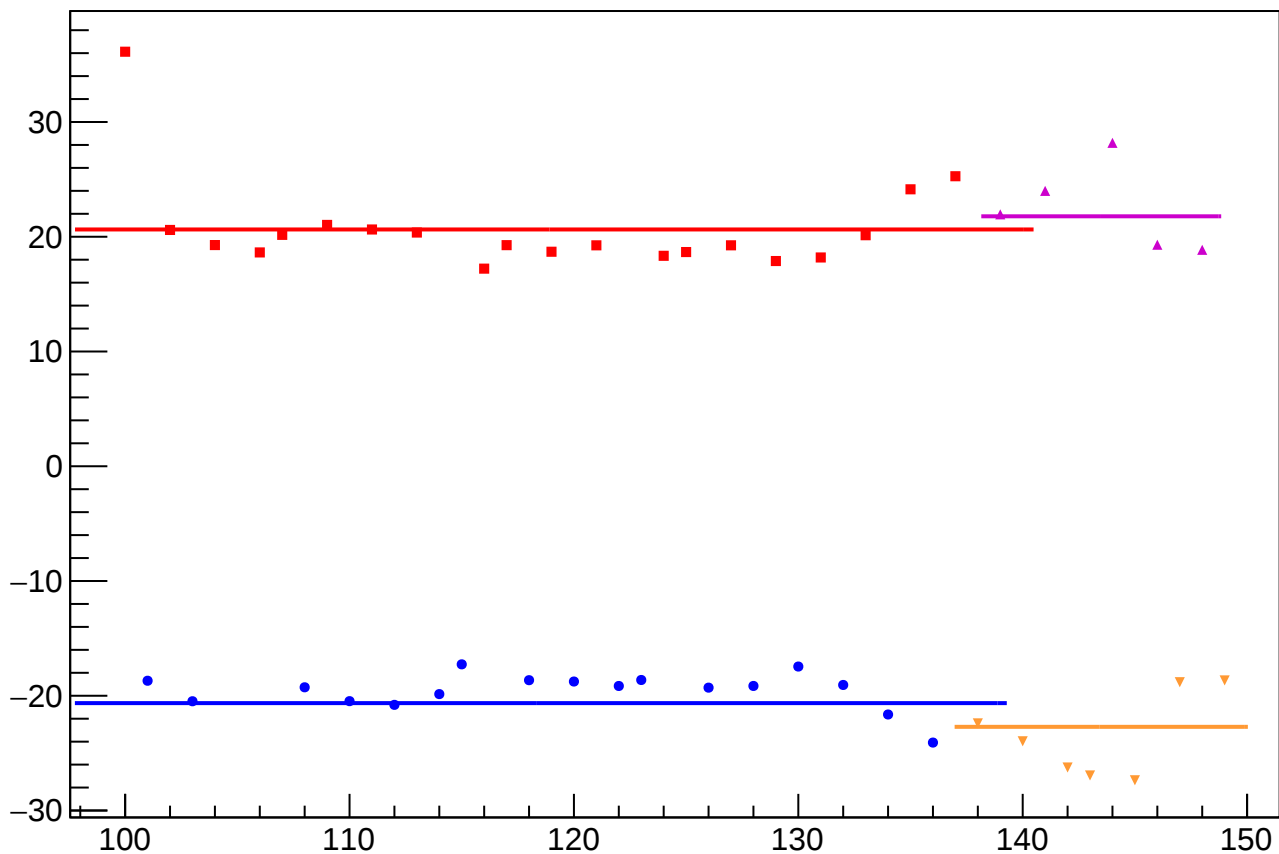
Left In: -6.473 $\pm$ 0.349 χ^2/NDF : 284.1/4

6.138 $\pm$ 0.238 χ^2/NDF : 835.1/23

0.894 $\pm$ 0.174 χ^2/NDF : 2620.2/48

-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 χ^2/NDF : 12431.5/16

Left Out: -22.708 ± 0.016 χ^2/NDF : 44199.4/6

Right Out: 20.635 ± 0.019 χ^2/NDF : 13794.0/19

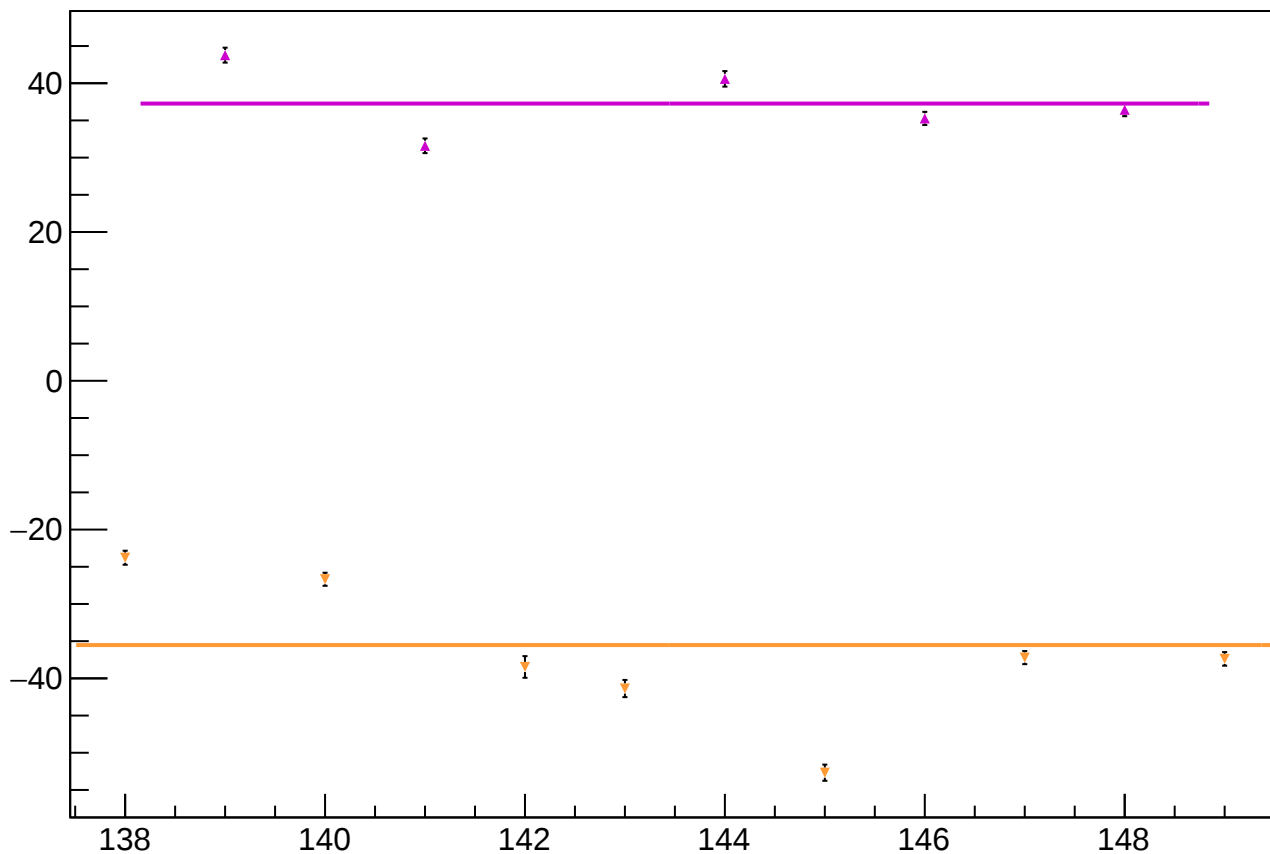
Left In: 21.782 ± 0.018 χ^2/NDF : 30961.7/4

-21.849 ± 0.012 χ^2/NDF : 63303.5/23

-1.433 ± 0.009 χ^2/NDF : 5772275.7/48

21.257 ± 0.013 χ^2/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: -35.524+/-0.379 χ^2/NDF : 540.8/6

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

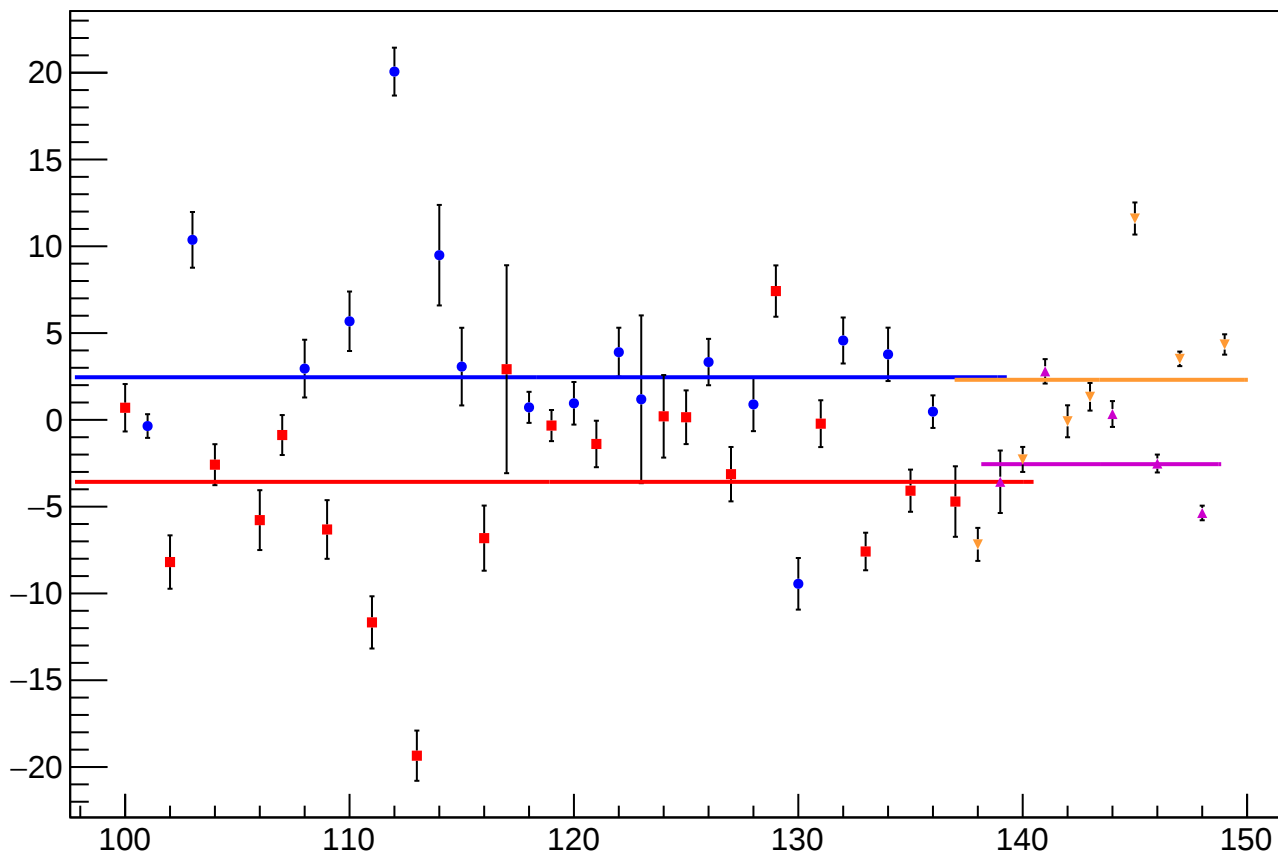
Left In: 37.265+/-0.425 χ^2/NDF : 91.2/4

-35.524+/-0.379 χ^2/NDF : 540.8/6

-3.273+/-0.283 χ^2/NDF : 16957.9/11

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 χ^2/NDF : 293.5/16

Left Out: 2.308 ± 0.253 χ^2/NDF : 269.4/6

Right Out: -3.571 ± 0.317 χ^2/NDF : 281.0/19

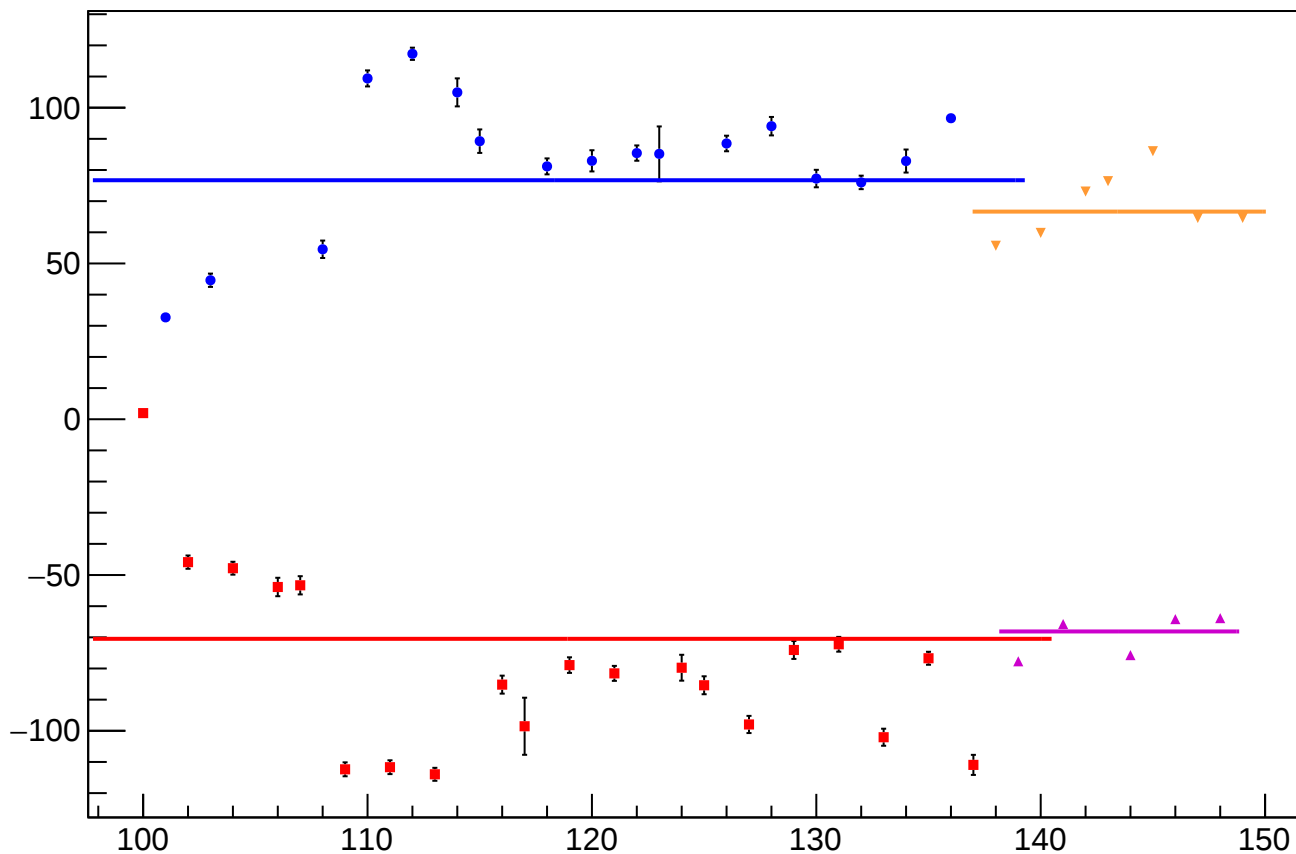
Left In: -2.552 ± 0.272 χ^2/NDF : 117.7/4

2.366 ± 0.197 χ^2/NDF : 563.1/23

-0.188 ± 0.143 χ^2/NDF : 1318.5/48

-2.984 ± 0.206 χ^2/NDF : 404.6/24

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 ± 0.576 χ^2/NDF : 2266.6/16

Left Out: 66.647 ± 0.384 χ^2/NDF : 549.5/6

Right Out: -70.477 ± 0.549 χ^2/NDF : 4400.1/19

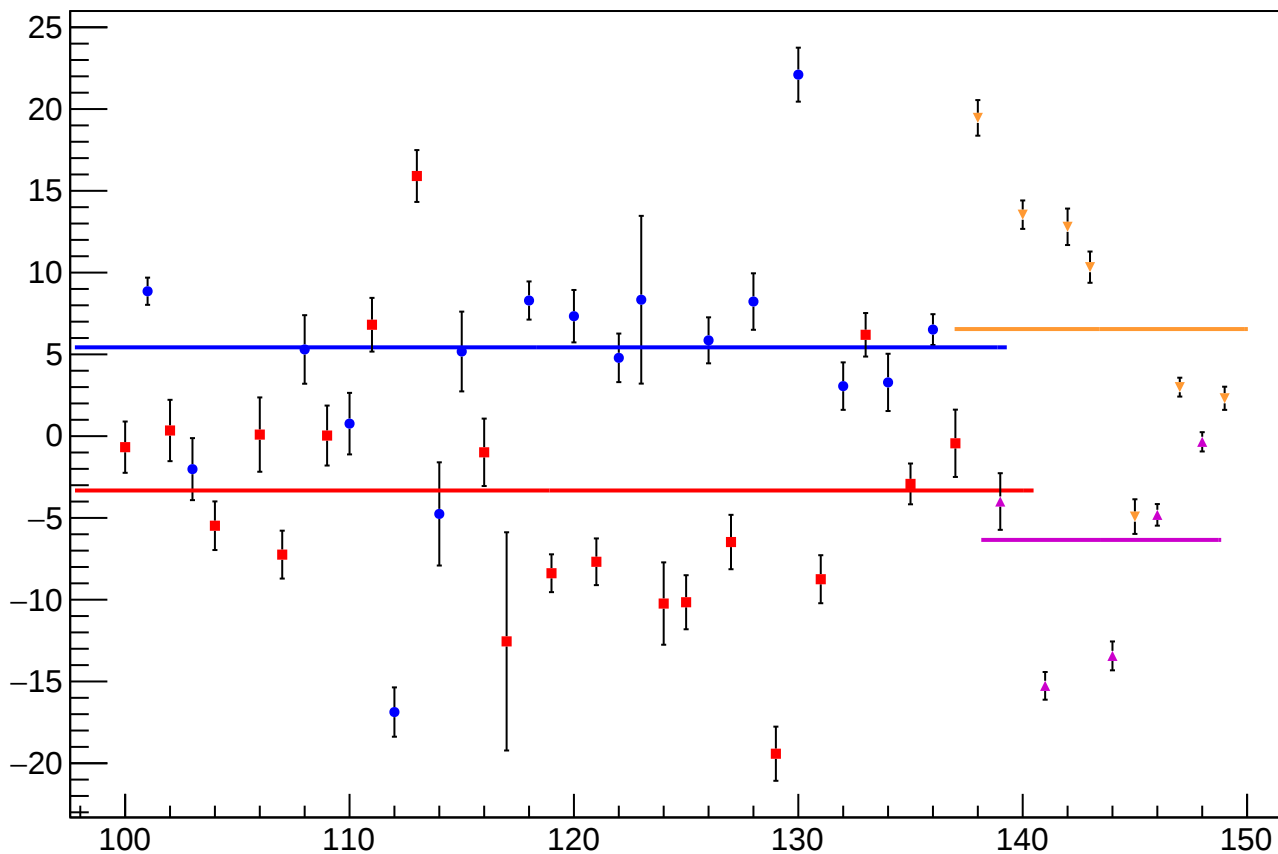
Left In: -68.112 ± 0.428 χ^2/NDF : 178.1/4

69.744 ± 0.320 χ^2/NDF : 3027.3/23

4.138 ± 0.232 χ^2/NDF : 96674.9/48

-69.007 ± 0.338 χ^2/NDF : 4589.7/24

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 6.548 ± 0.317 $\chi^2/\text{NDF}: 443.2/6$

Right Out: -3.323 ± 0.365 $\chi^2/\text{NDF}: 428.0/19$

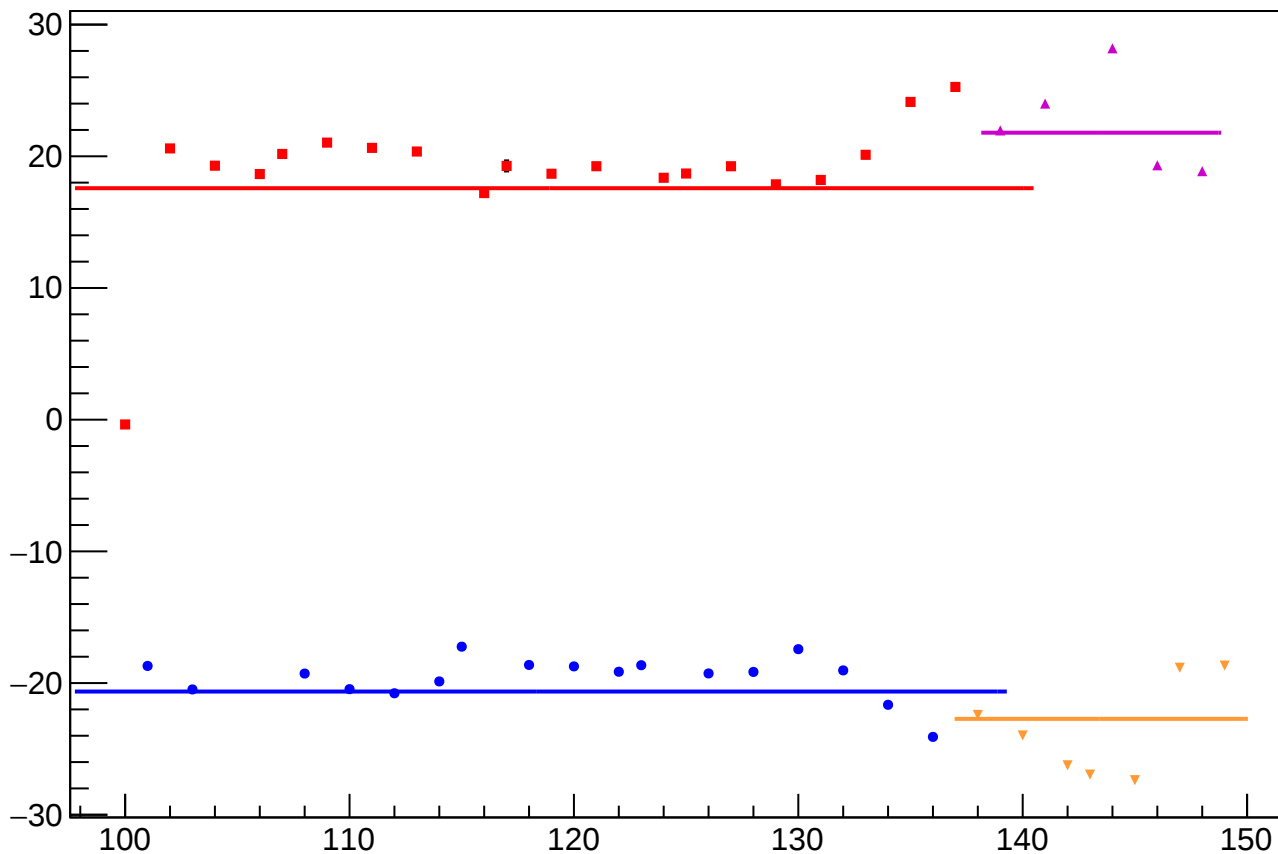
Left In: -6.344 ± 0.350 $\chi^2/\text{NDF}: 286.3/4$

6.061 ± 0.238 $\chi^2/\text{NDF}: 834.5/23$

0.900 ± 0.173 $\chi^2/\text{NDF}: 2582.4/48$

-4.897 ± 0.252 $\chi^2/\text{NDF}: 750.1/24$

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: -22.718+/-0.016 χ^2/NDF : 44089.3/6

Right Out: 17.577+/-0.018 χ^2/NDF : 178343.3/19

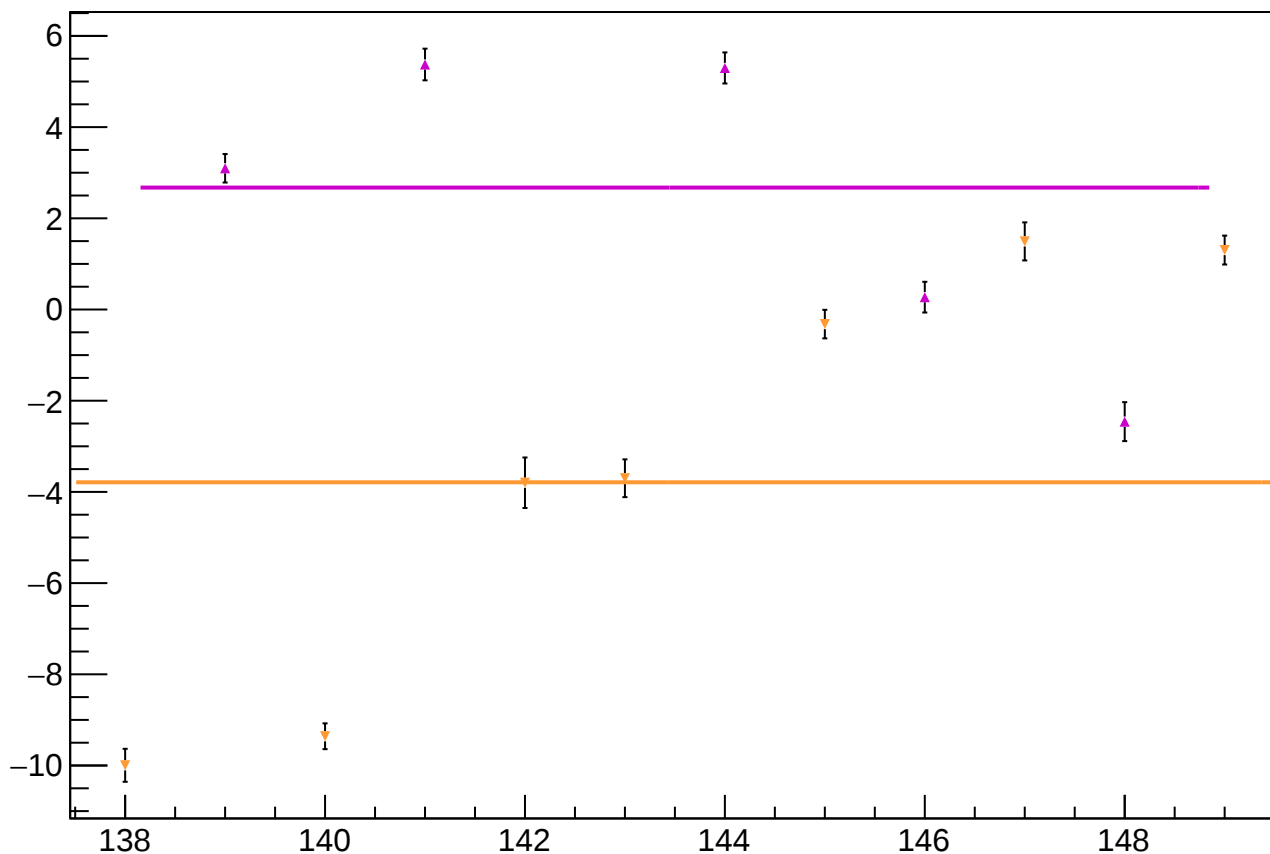
Left In: 21.791+/-0.018 χ^2/NDF : 30936.1/4

-21.855+/-0.012 χ^2/NDF : 63276.6/23

-1.420+/-0.009 χ^2/NDF : 5758037.6/48

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: -3.789+/-0.135 χ^2/NDF : 1223.5/6

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

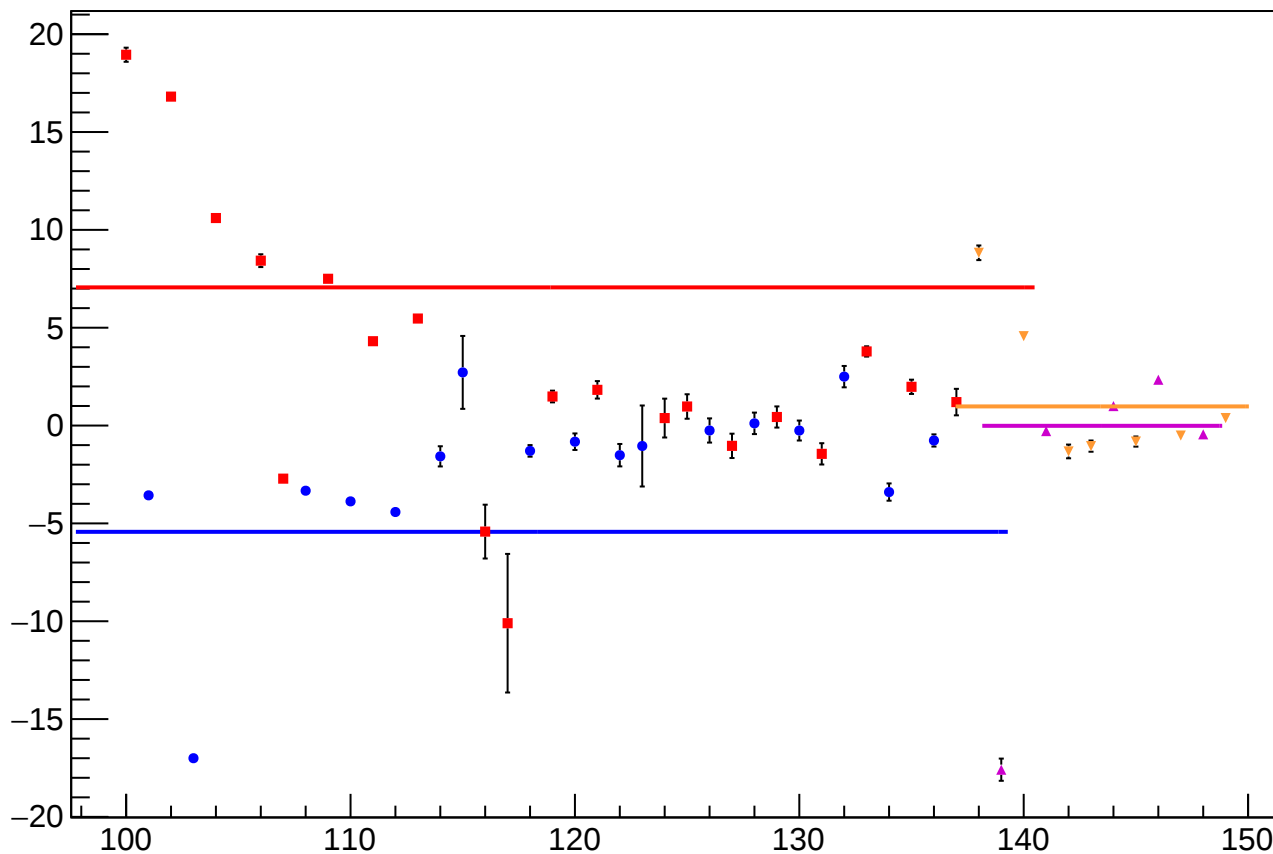
Left In: 2.674+/-0.155 χ^2/NDF : 317.1/4

-3.789+/-0.135 χ^2/NDF : 1223.5/6

-1.015+/-0.102 χ^2/NDF : 2529.1/11

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: 0.978 ± 0.096 χ^2/NDF : 877.0/6

Right Out: 7.061 ± 0.059 χ^2/NDF : 12330.1/19

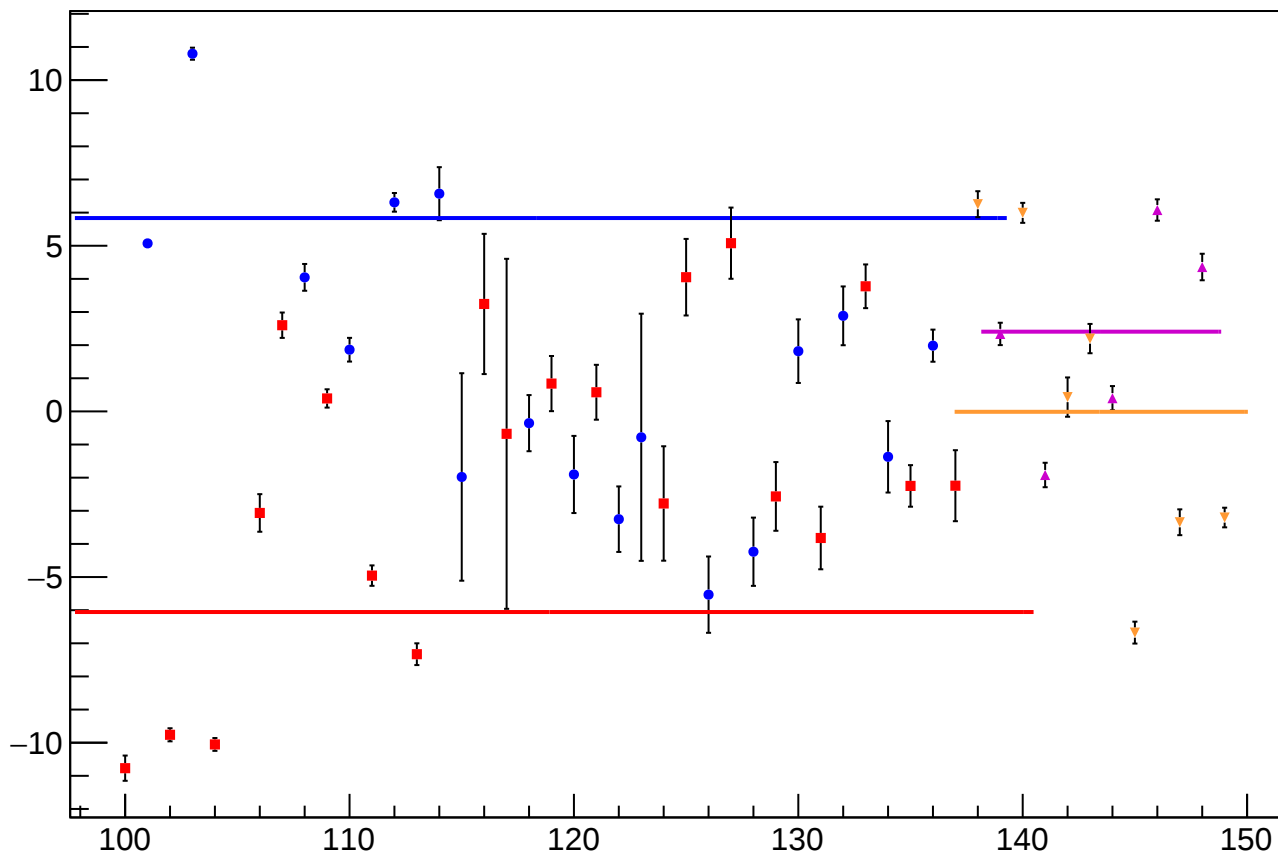
Left In: -0.013 ± 0.112 χ^2/NDF : 1103.2/4

-3.848 ± 0.048 χ^2/NDF : 13479.6/23

0.406 ± 0.035 χ^2/NDF : 47626.7/48

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 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: -0.012 $\pm$ 0.138 χ^2 /NDF:1273.1/6

Right Out: -6.056 $\pm$ 0.093 χ^2 /NDF: 2669.9/19

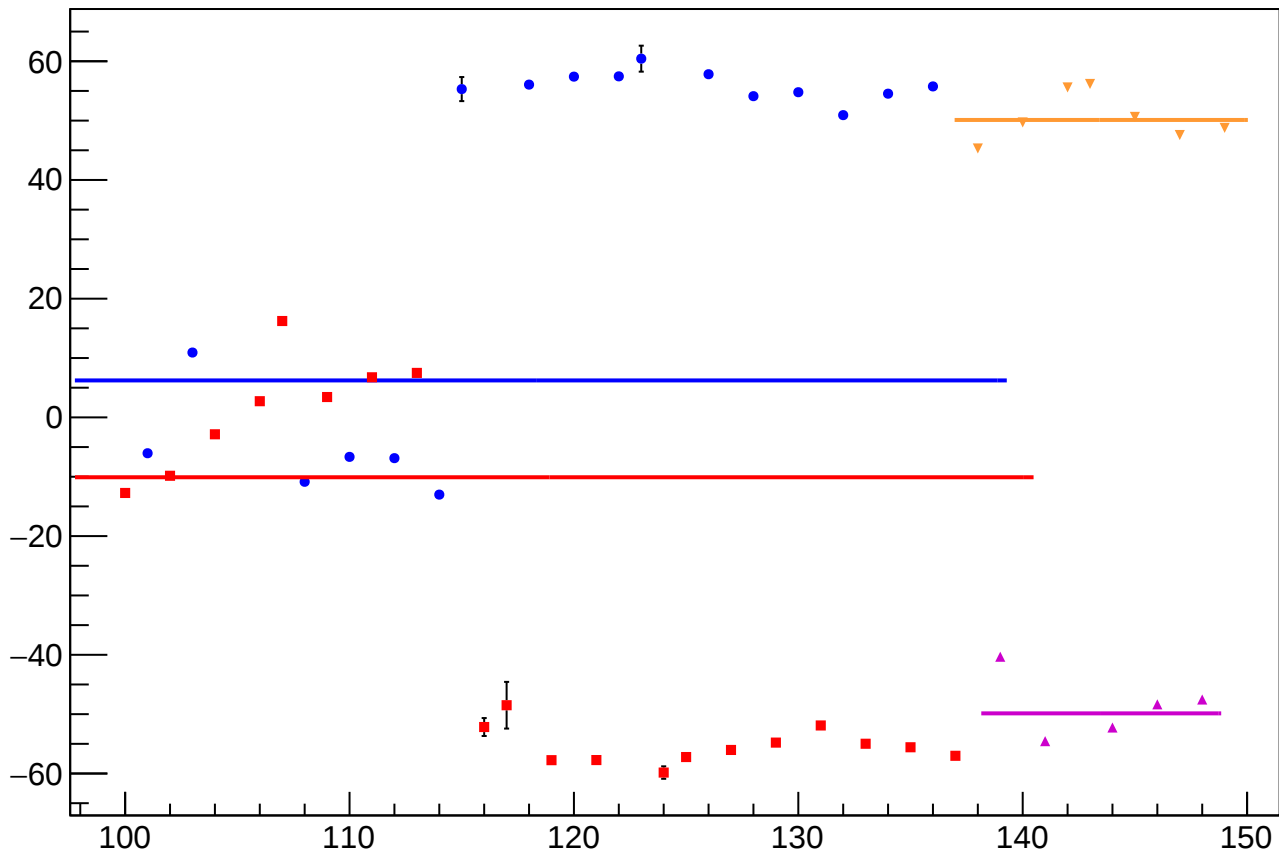
Left In: 2.406 $\pm$ 0.159 χ^2 /NDF:320.8/4

4.099 $\pm$ 0.075 χ^2 /NDF: 3978.1/23

0.377 $\pm$ 0.055 χ^2 /NDF: 14335.1/48

-3.892 $\pm$ 0.081 χ^2 /NDF: 5093.4/24

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 $\pm$ 0.065 χ^2/NDF : 120955.1/16

Left Out: 50.110 $\pm$ 0.117 χ^2/NDF : 725.6/6

Right Out: -10.087 $\pm$ 0.070 χ^2/NDF : 122144.7/19

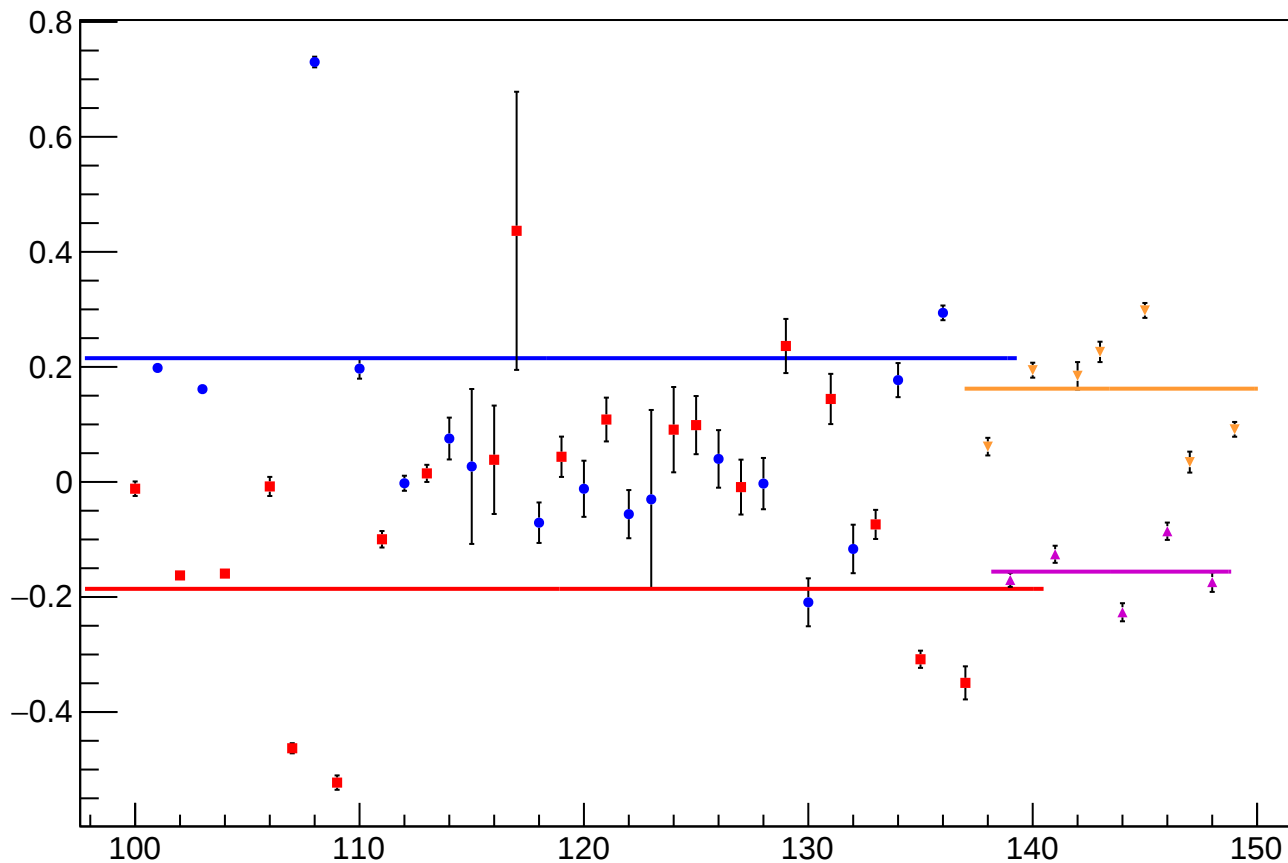
Left In: -49.866 $\pm$ 0.138 χ^2/NDF : 715.6/4

16.533 $\pm$ 0.057 χ^2/NDF : 229294.4/23

0.786 $\pm$ 0.042 χ^2/NDF : 588349.8/48

-18.179 $\pm$ 0.062 χ^2/NDF : 189071.4/24

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.162 ± 0.006 χ^2/NDF : 252.9/6

Right Out: -0.186 ± 0.003 χ^2/NDF : 2724.7/19

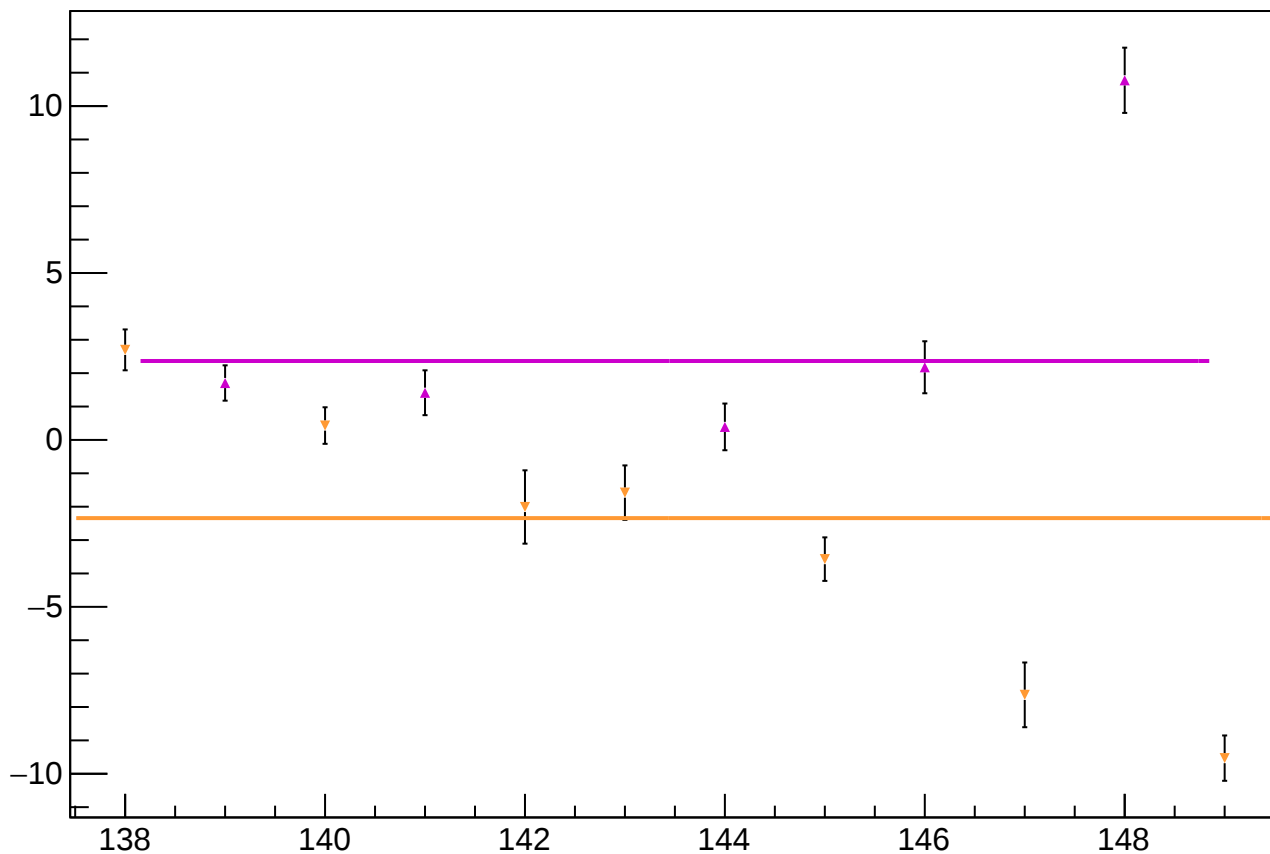
Left In: -0.156 ± 0.007 χ^2/NDF : 48.6/4

0.205 ± 0.002 χ^2/NDF : 4247.6/23

0.011 ± 0.002 χ^2/NDF : 19089.2/48

-0.182 ± 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: -2.342+/-0.268 χ^2/NDF : 239.9/6

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

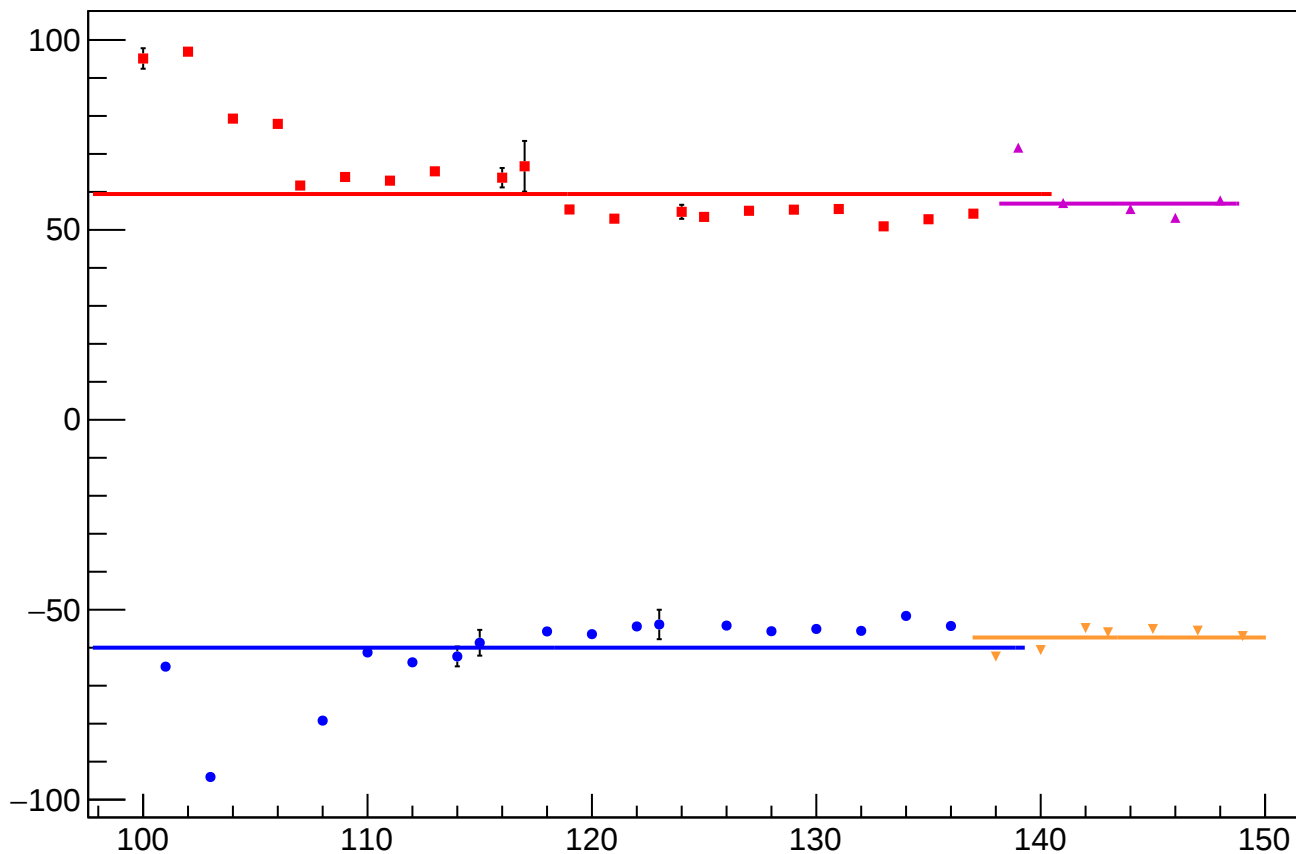
Left In: 2.364+/-0.308 χ^2/NDF : 85.6/4

-2.342+/-0.268 χ^2/NDF : 239.9/6

-0.316+/-0.202 χ^2/NDF : 458.3/11

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: -57.309 ± 0.199 χ^2/NDF : 159.0/6

Right Out: 59.442 ± 0.212 χ^2/NDF : 2919.1/19

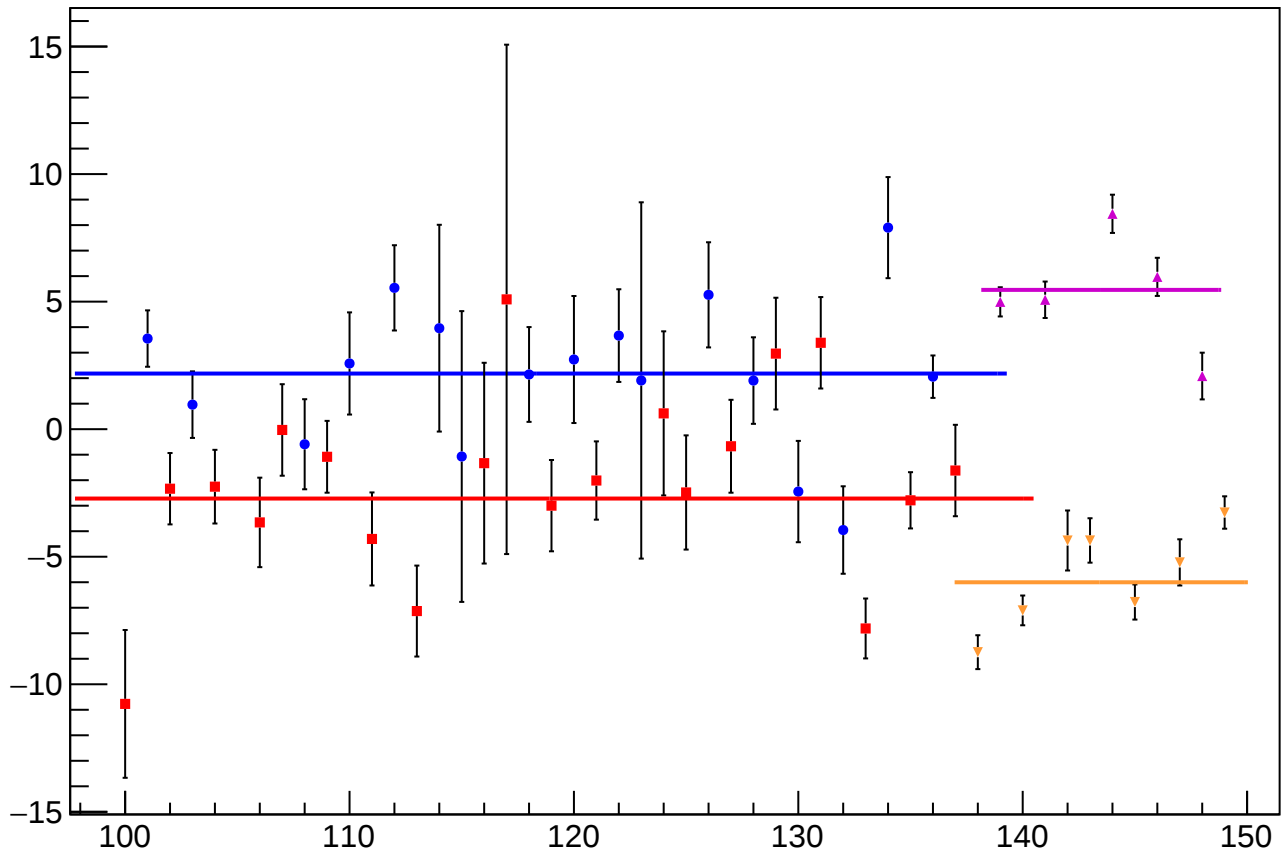
Left In: 56.915 ± 0.239 χ^2/NDF : 303.4/4

-58.486 ± 0.149 χ^2/NDF : 2211.8/23

-3.683 ± 0.109 χ^2/NDF : 293752.7/48

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 χ^2/NDF : 39.0/16

Left Out: -6.002 ± 0.277 χ^2/NDF : 46.6/6

Right Out: -2.719 ± 0.388 χ^2/NDF : 59.5/19

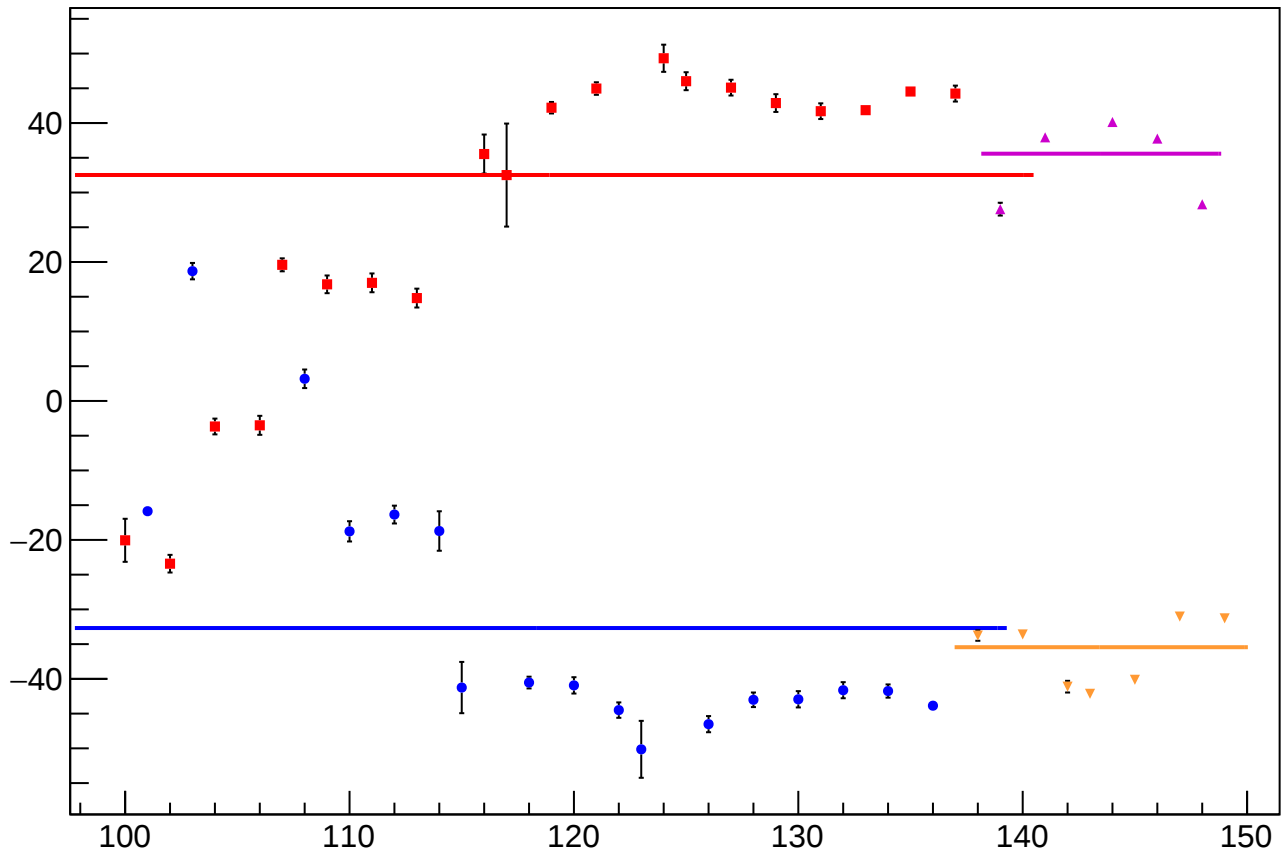
Left In: 5.461 ± 0.320 χ^2/NDF : 30.9/4

-3.403 ± 0.229 χ^2/NDF : 363.3/23

-0.838 ± 0.168 χ^2/NDF : 991.0/48

2.148 ± 0.247 χ^2/NDF : 355.3/24

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 χ^2/NDF : 4646.9/16

Left Out: -35.442 ± 0.241 χ^2/NDF : 325.6/6

Right Out: 32.523 ± 0.244 χ^2/NDF : 6045.3/19

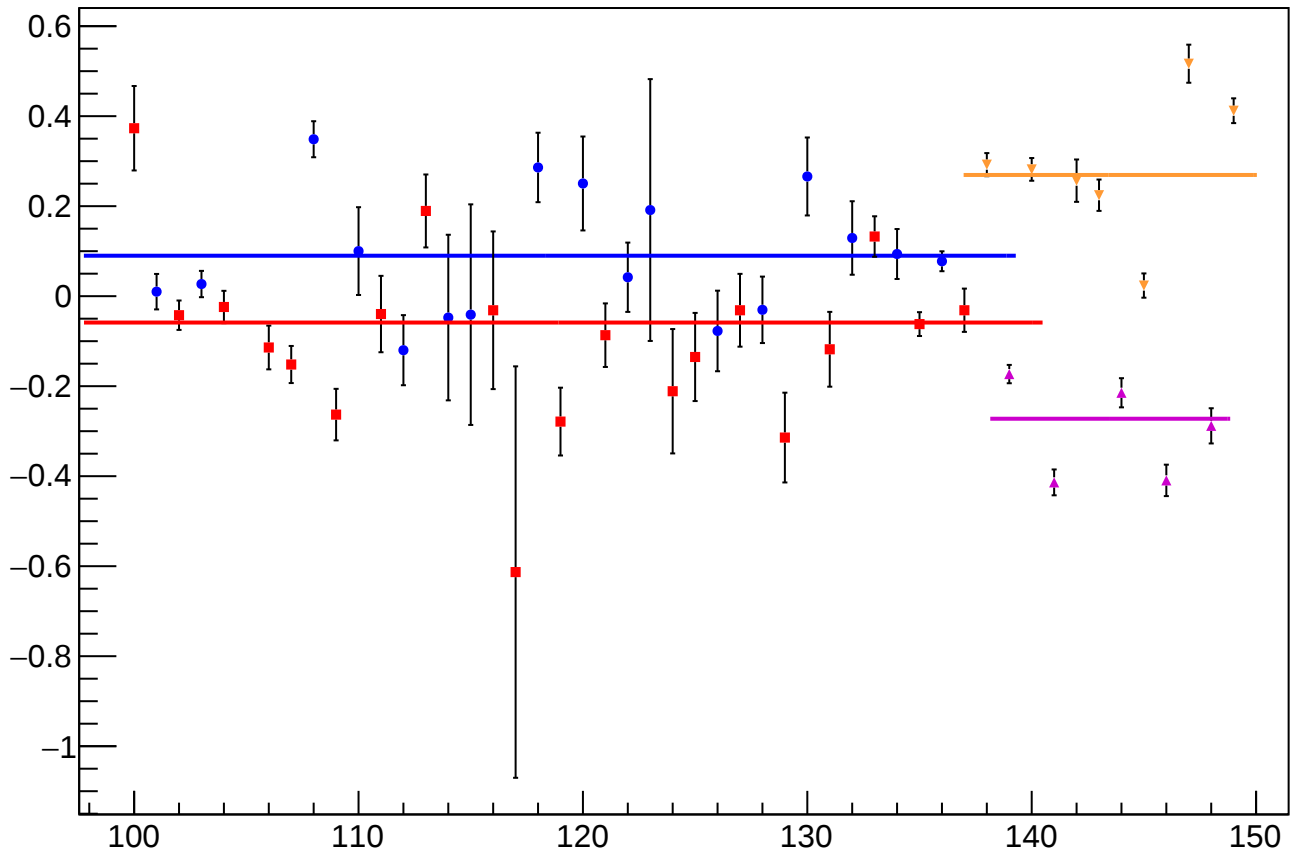
Left In: 35.588 ± 0.291 χ^2/NDF : 280.7/4

-34.147 ± 0.175 χ^2/NDF : 5034.3/23

-2.360 ± 0.128 χ^2/NDF : 81753.1/48

33.788 ± 0.187 χ^2/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: 0.269 ± 0.011 χ^2/NDF : 146.9/6

Right Out: -0.059 ± 0.012 χ^2/NDF : 88.6/19

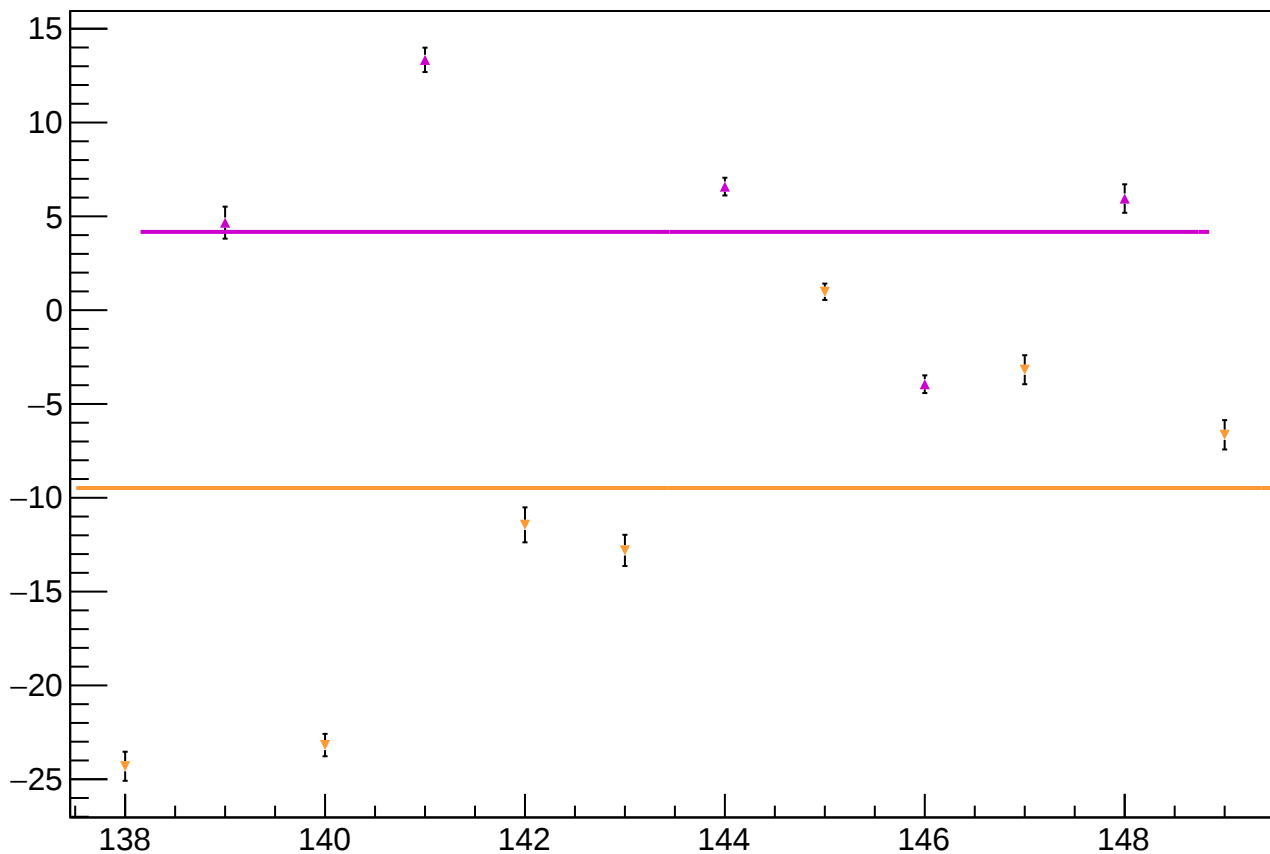
Left In: -0.272 ± 0.013 χ^2/NDF : 66.7/4

0.189 ± 0.009 χ^2/NDF : 335.3/23

0.021 ± 0.006 χ^2/NDF : 1443.0/48

-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: -9.479+/-0.253 χ^2/NDF : 1569.3/6

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

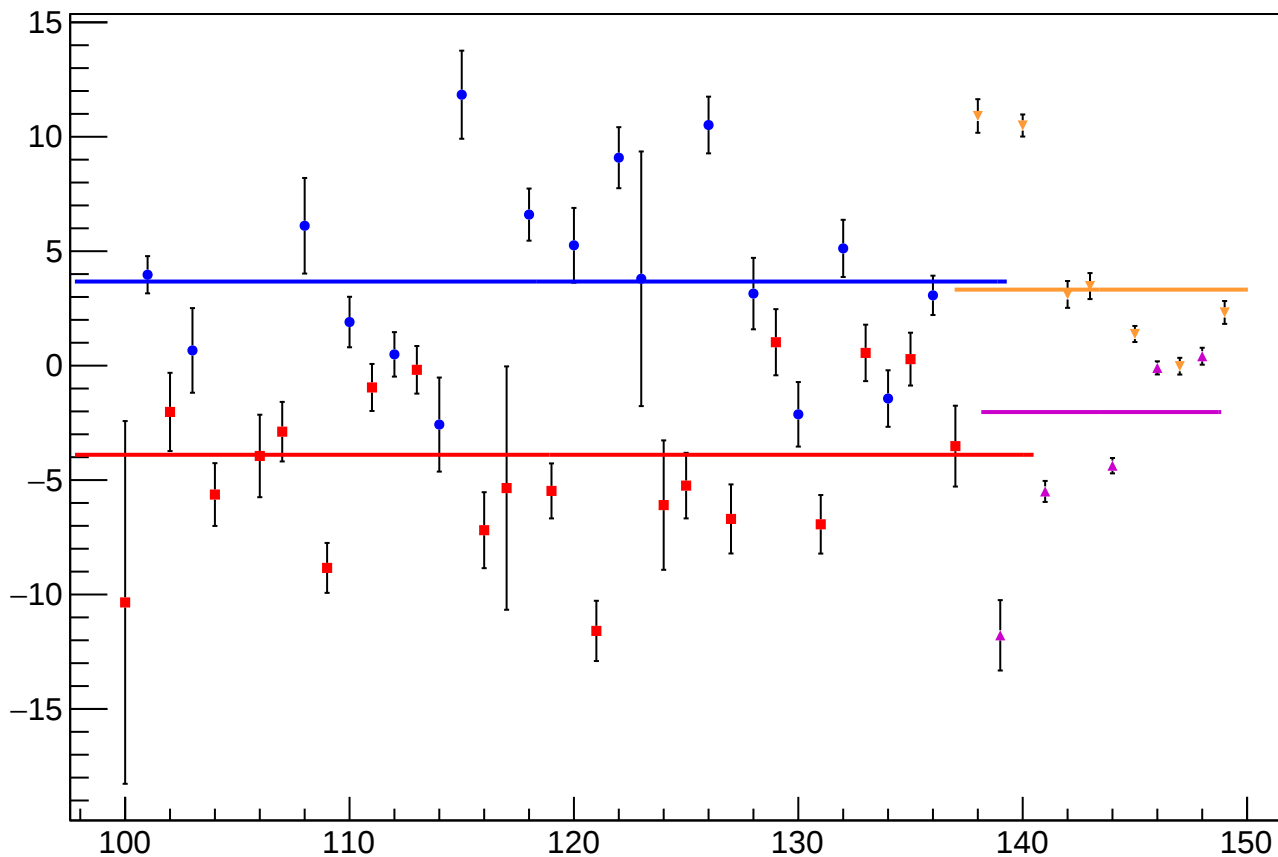
Left In: 4.172+/-0.263 χ^2/NDF : 526.6/4

-9.479+/-0.253 χ^2/NDF : 1569.3/6

-2.924+/-0.182 χ^2/NDF : 3495.4/11

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: 3.321 ± 0.177 χ^2/NDF : 445.9/6

Right Out: -3.895 ± 0.316 χ^2/NDF : 133.8/19

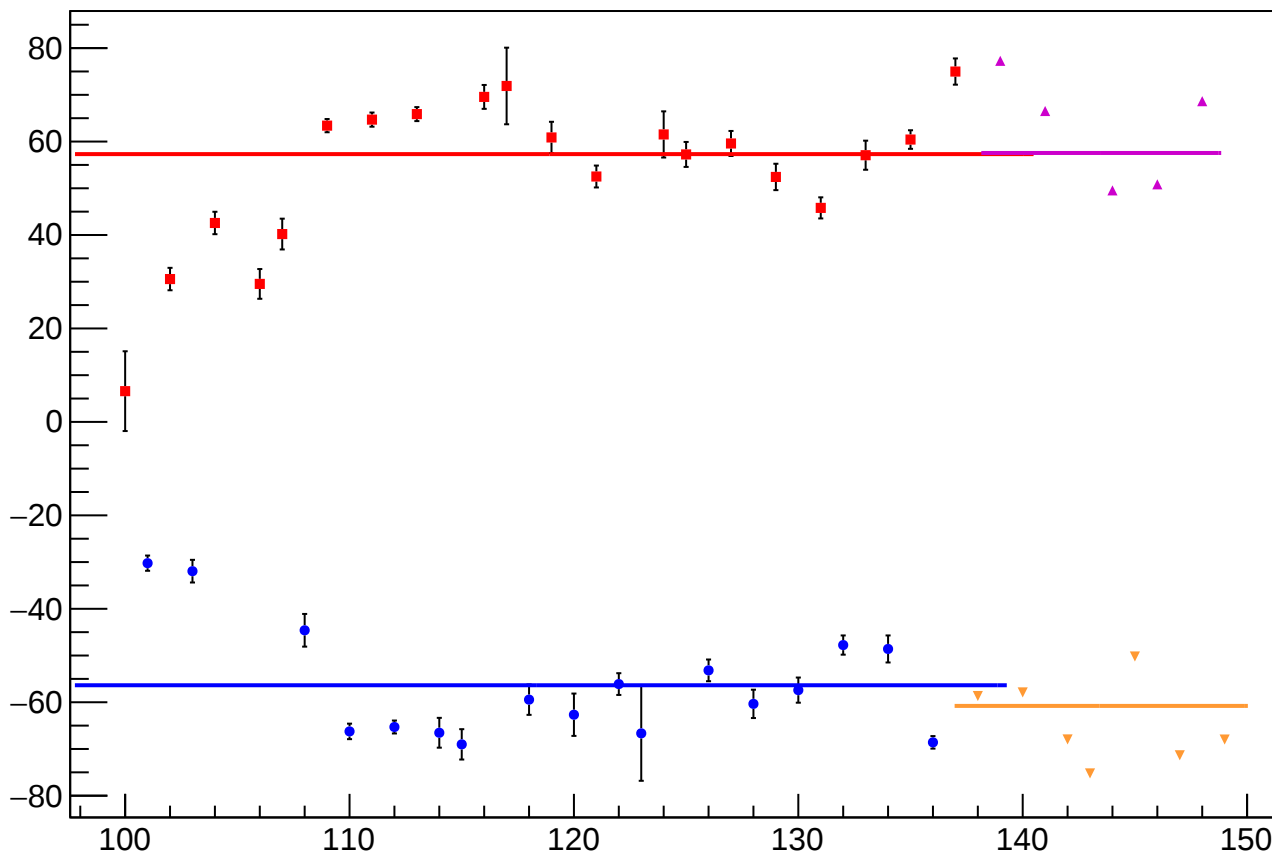
Left In: -2.028 ± 0.173 χ^2/NDF : 234.9/4

3.408 ± 0.154 χ^2/NDF : 582.0/23

0.426 ± 0.108 χ^2/NDF : 1714.7/48

-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: -60.781 ± 0.262 χ^2/NDF : 1174.8/6

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

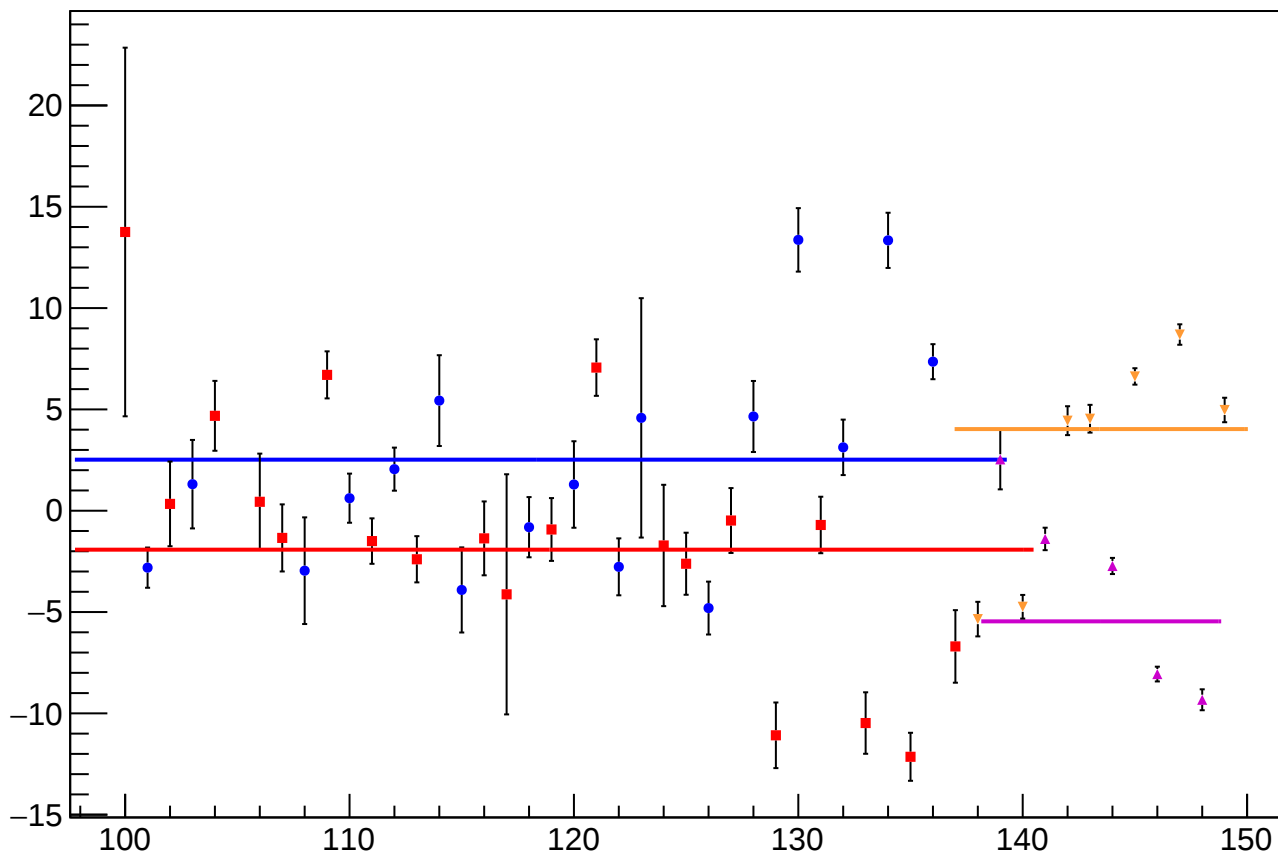
Left In: 57.558 ± 0.267 χ^2/NDF : 1337.8/4

-59.949 ± 0.236 χ^2/NDF : 1815.8/23

-2.035 ± 0.168 χ^2/NDF : 126065.4/48

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: 4.029 ± 0.217 χ^2/NDF : 476.0/6

Right Out: -1.922 ± 0.354 χ^2/NDF : 264.7/19

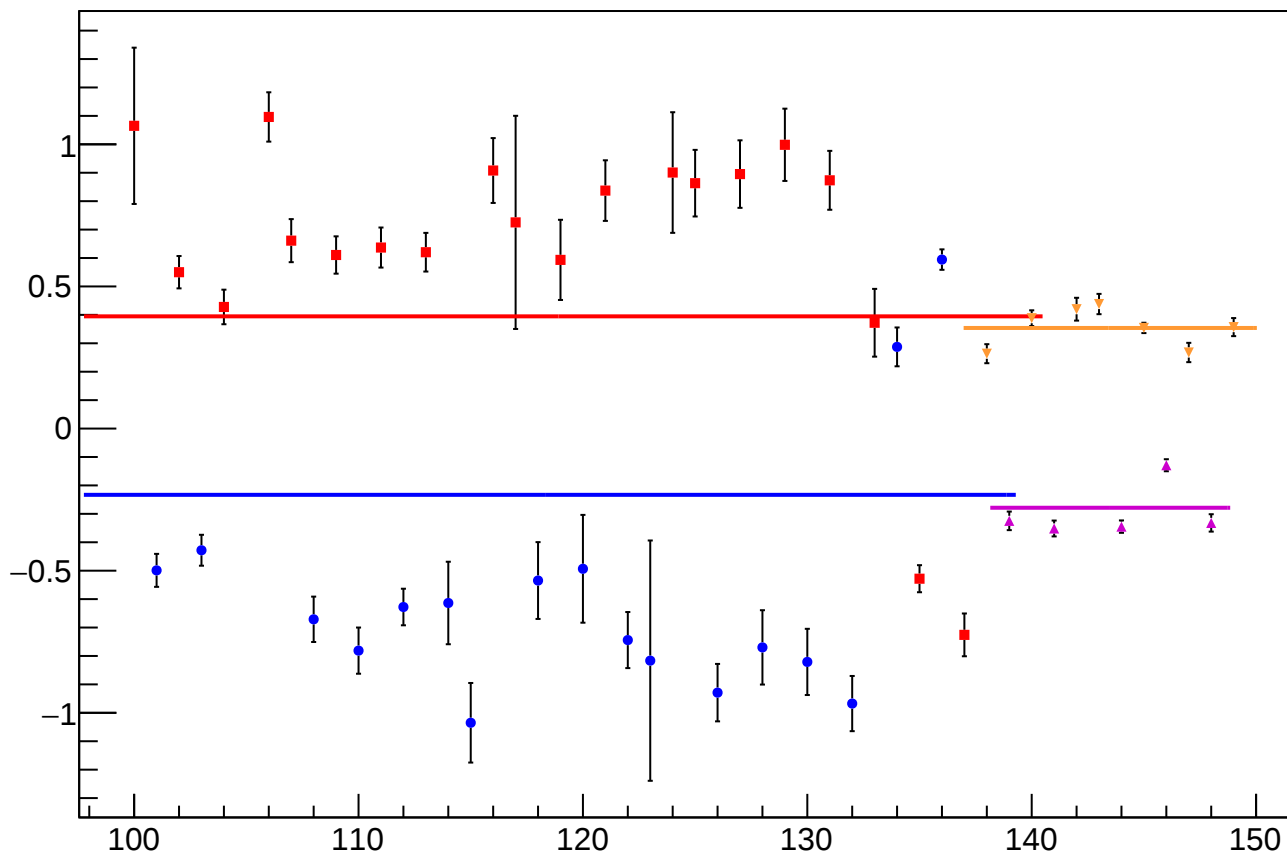
Left In: -5.460 ± 0.217 χ^2/NDF : 236.9/4

3.604 ± 0.184 χ^2/NDF : 731.9/23

-0.431 ± 0.131 χ^2/NDF : 2268.6/48

-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 ± 0.011 χ^2/NDF : 23.6/6

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

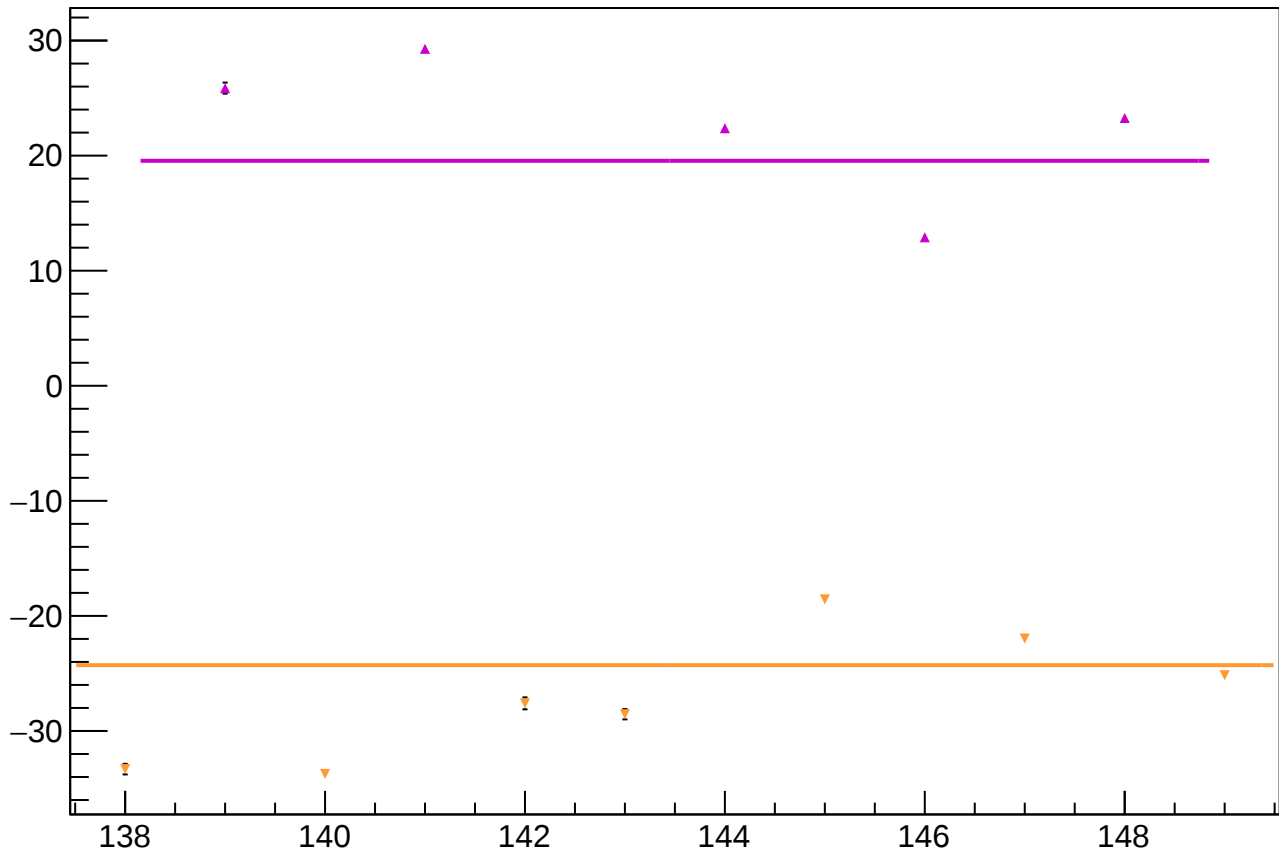
Left In: -0.279 ± 0.011 χ^2/NDF : 71.1/4

0.208 ± 0.009 χ^2/NDF : 1705.5/23

0.061 ± 0.007 χ^2/NDF : 4056.3/48

-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: -24.282+/-0.124 χ^2/NDF : 2236.7/6

-24.282+/-0.124 χ^2/NDF : 2236.7/6

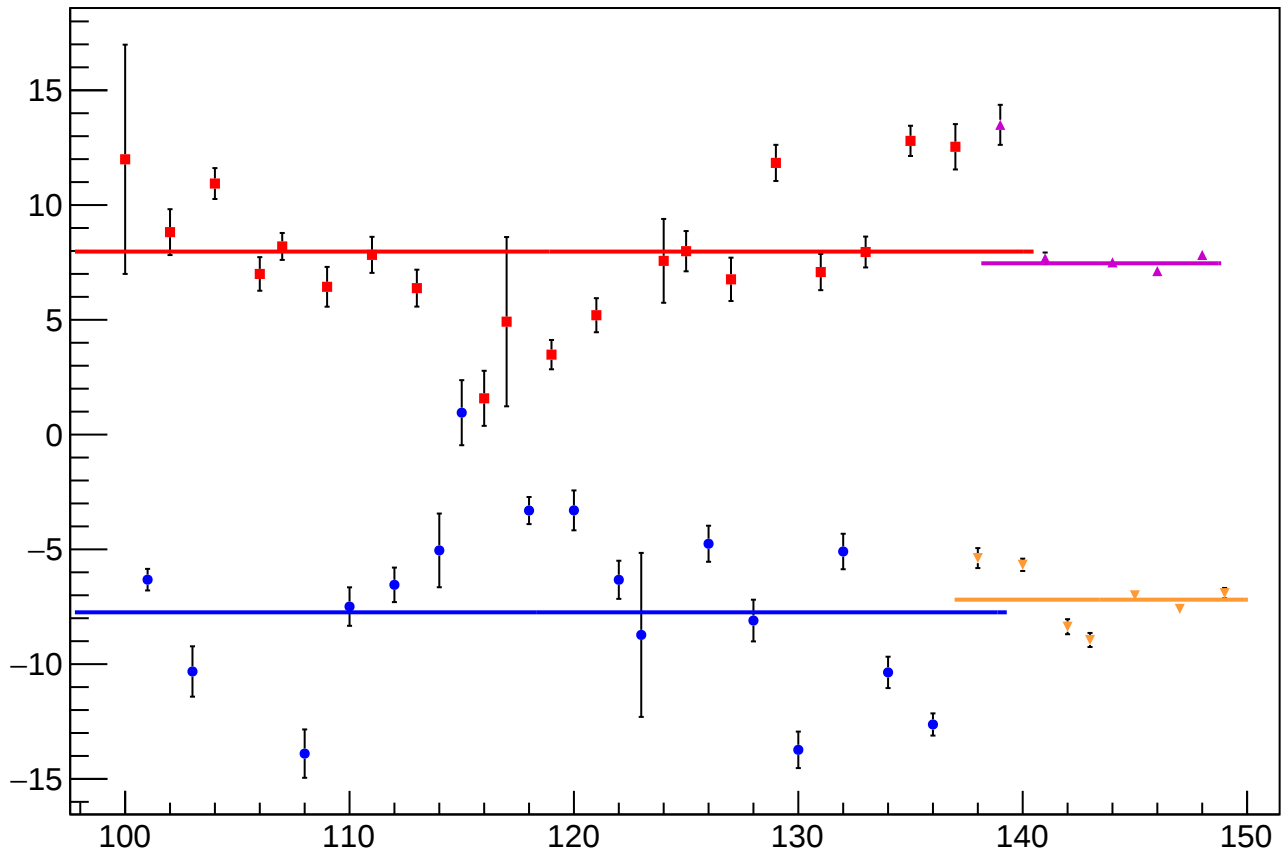
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1.730+/-0.087 χ^2/NDF : 68480.6/11

Left In: 19.552+/-0.121 χ^2/NDF : 2441.1/4

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 $\chi^2/\text{NDF}: 377.5/16$

Left Out: -7.192 ± 0.087 $\chi^2/\text{NDF}: 103.7/6$

Right Out: 7.973 ± 0.186 $\chi^2/\text{NDF}: 224.2/19$

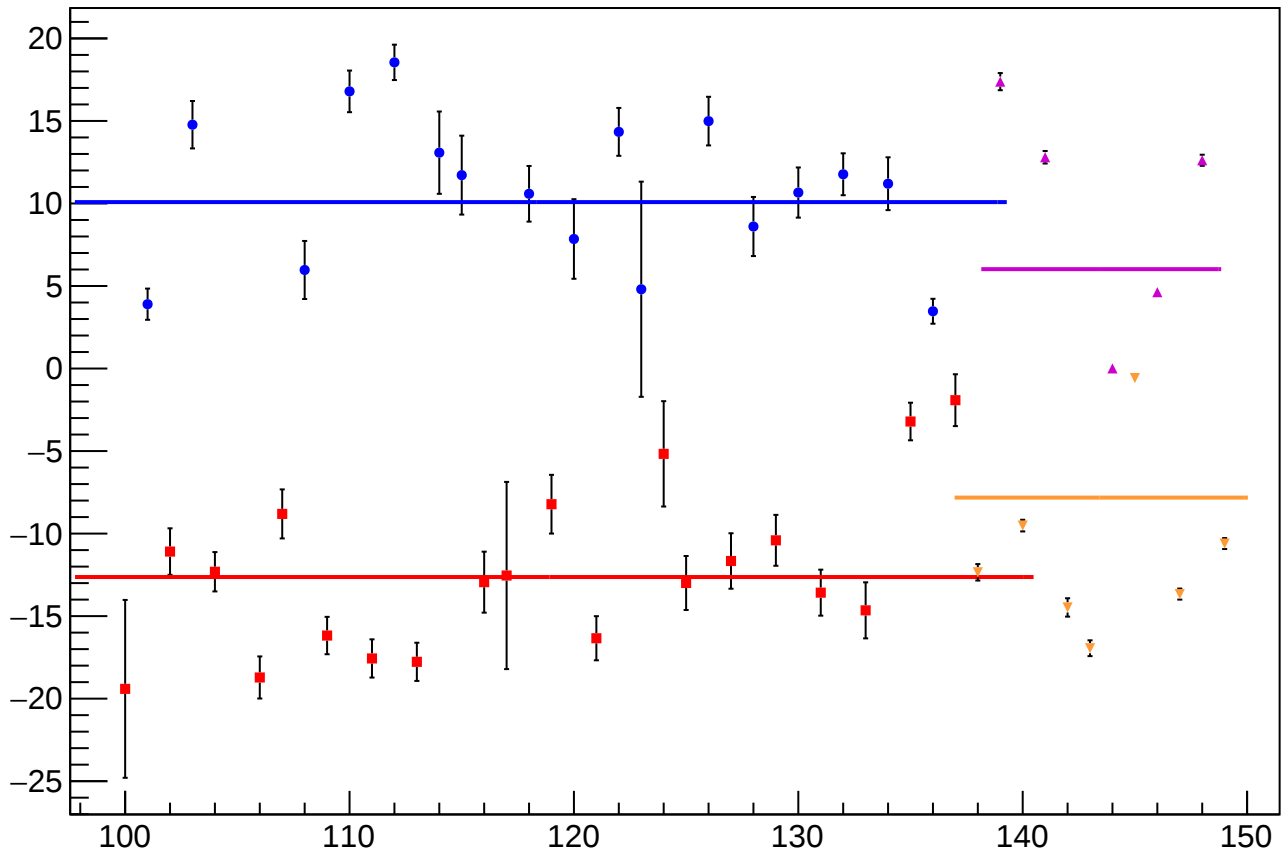
Left In: 7.463 ± 0.079 $\chi^2/\text{NDF}: 61.4/4$

-7.289 ± 0.079 $\chi^2/\text{NDF}: 488.3/23$

0.753 ± 0.053 $\chi^2/\text{NDF}: 20029.0/48$

7.540 ± 0.072 $\chi^2/\text{NDF}: 292.1/24$

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: -7.819 ± 0.128 χ^2/NDF : 2223.4/6

Right Out: -12.631 ± 0.332 χ^2/NDF : 218.6/19

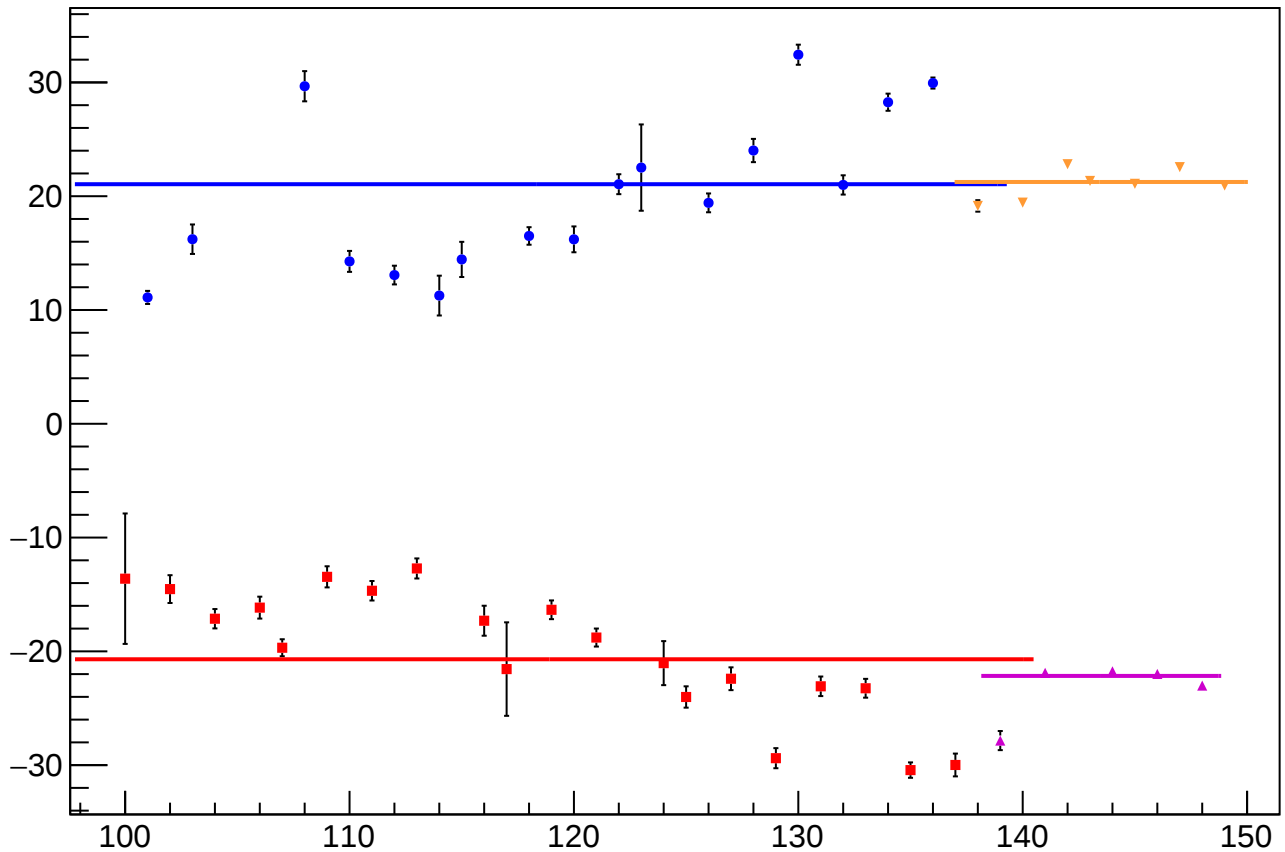
Left In: 6.021 ± 0.122 χ^2/NDF : 1869.3/4

-5.578 ± 0.120 χ^2/NDF : 4931.3/23

-0.664 ± 0.083 χ^2/NDF : 13030.3/48

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 χ^2/NDF : 1211.8/16

Left Out: 21.251±/0.106 χ^2/NDF : 97.2/6

Right Out: -20.696±/0.212 χ^2/NDF : 724.1/19

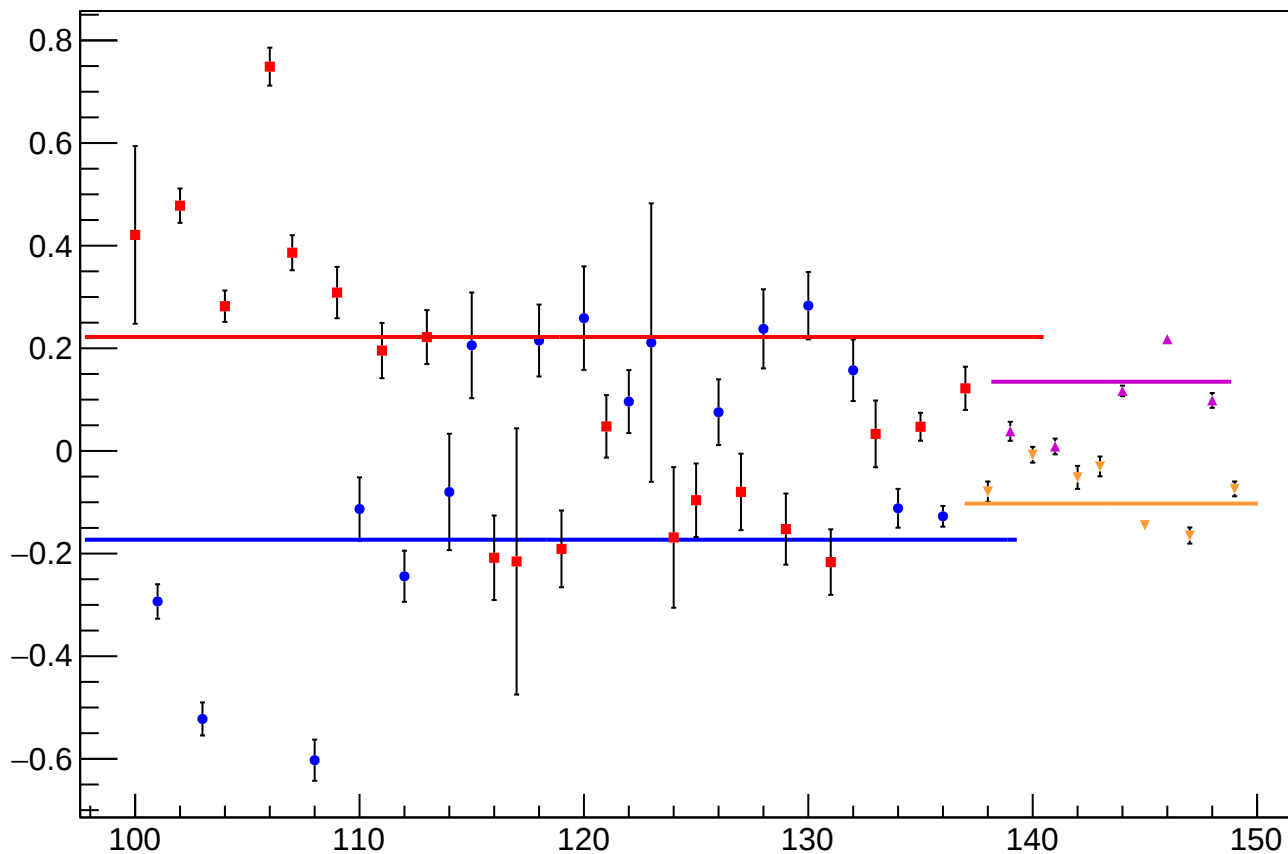
Left In: -22.159±/0.098 χ^2/NDF : 64.7/4

21.211±/0.095 χ^2/NDF : 1309.6/23

-1.666±/0.065 χ^2/NDF : 111413.0/48

-21.900±/0.089 χ^2/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: -0.103 ± 0.005 χ^2/NDF : 105.7/6

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

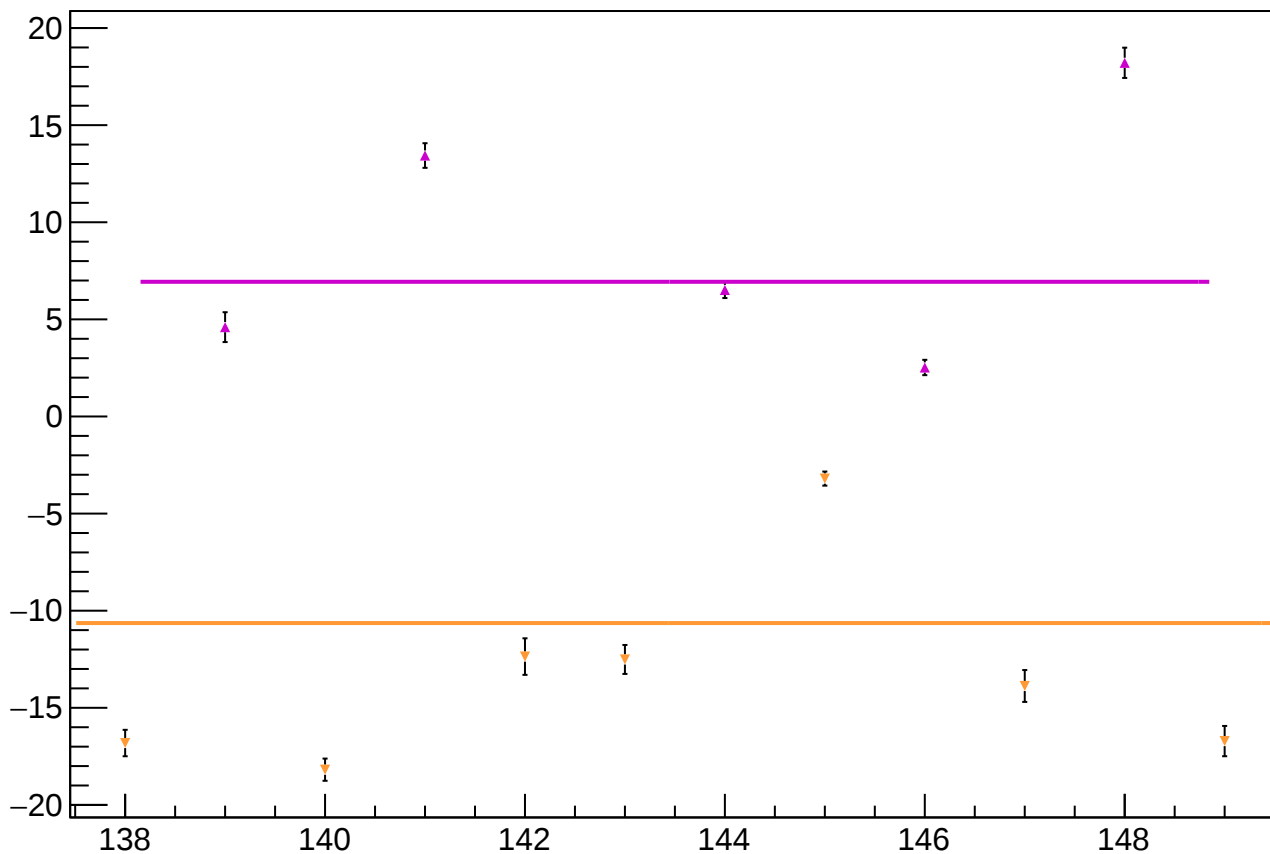
Left In: 0.135 ± 0.005 χ^2/NDF : 200.4/4

-0.115 ± 0.005 χ^2/NDF : 599.8/23

0.018 ± 0.003 χ^2/NDF : 2944.6/48

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: -10.636+/-0.230 χ^2/NDF : 763.3/6

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

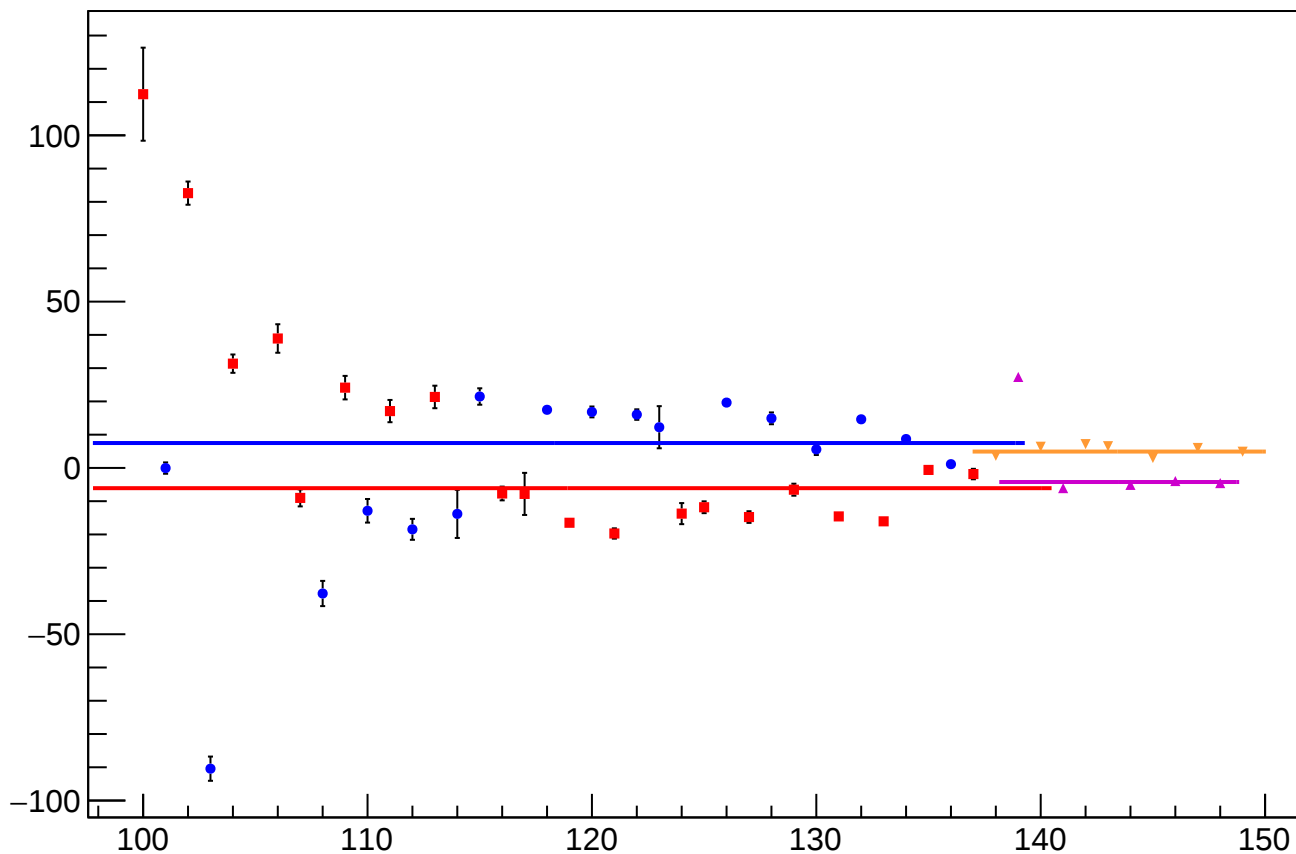
Left In: 6.935+/-0.236 χ^2/NDF : 449.8/4

-10.636+/-0.230 χ^2/NDF : 763.3/6

-2.053+/-0.165 χ^2/NDF : 4060.3/11

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 ± 0.407 $\chi^2/\text{NDF}: 1340.5/16$

Left Out: 4.921 ± 0.166 $\chi^2/\text{NDF}: 90.5/6$

Right Out: -6.086 ± 0.433 $\chi^2/\text{NDF}: 1512.2/19$

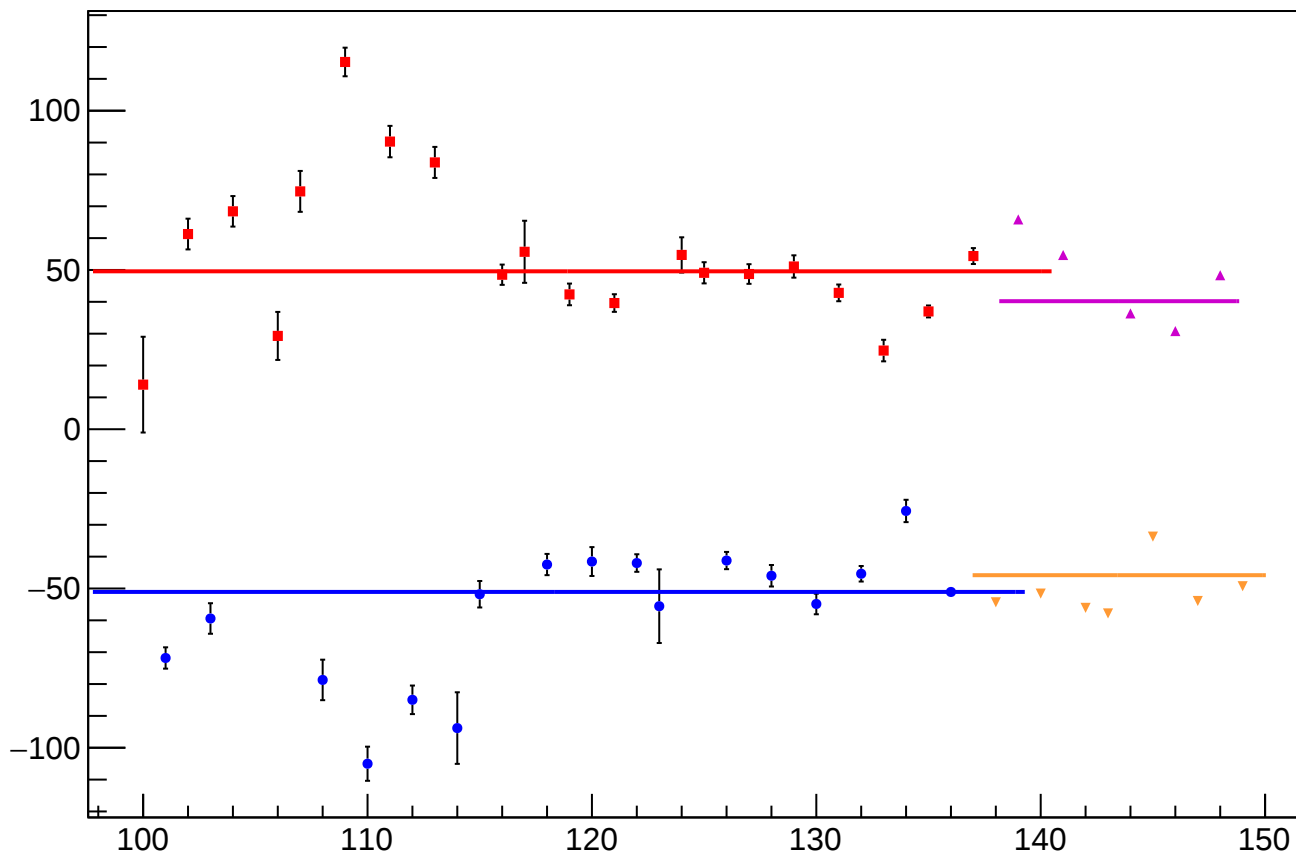
Left In: -4.233 ± 0.159 $\chi^2/\text{NDF}: 550.1/4$

5.287 ± 0.154 $\chi^2/\text{NDF}: 1465.2/23$

0.280 ± 0.107 $\chi^2/\text{NDF}: 5612.7/48$

-4.453 ± 0.149 $\chi^2/\text{NDF}: 2078.4/24$

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: -45.827 ± 0.240 χ^2/NDF : 1665.2/6

Right Out: 49.579 ± 0.796 χ^2/NDF : 510.0/19

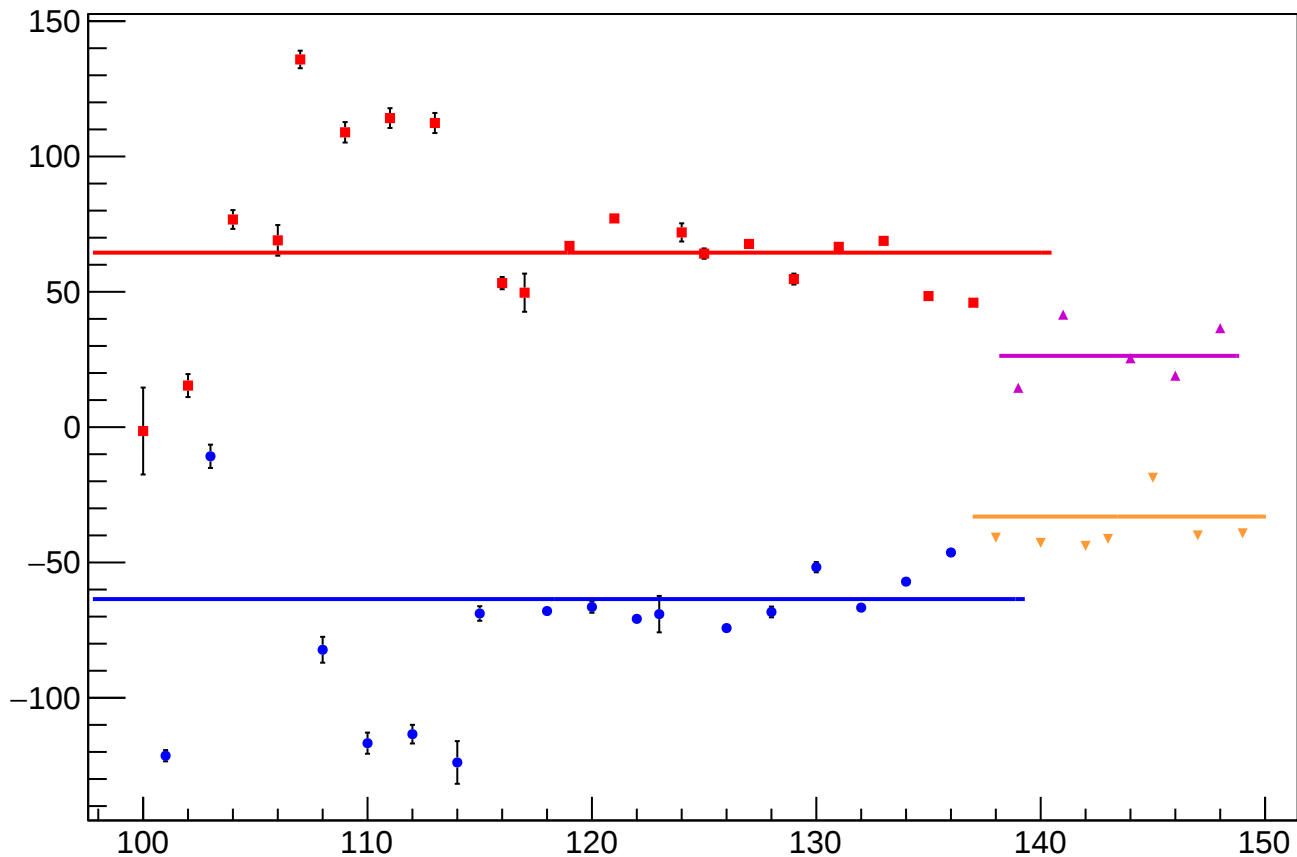
Left In: 40.200 ± 0.239 χ^2/NDF : 2223.4/4

-46.326 ± 0.228 χ^2/NDF : 2040.9/23

-2.809 ± 0.162 χ^2/NDF : 77722.9/48

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: -33.042 ± 0.201 χ^2/NDF : 2932.4/6

Right Out: 64.470 ± 0.482 χ^2/NDF : 1607.5/19

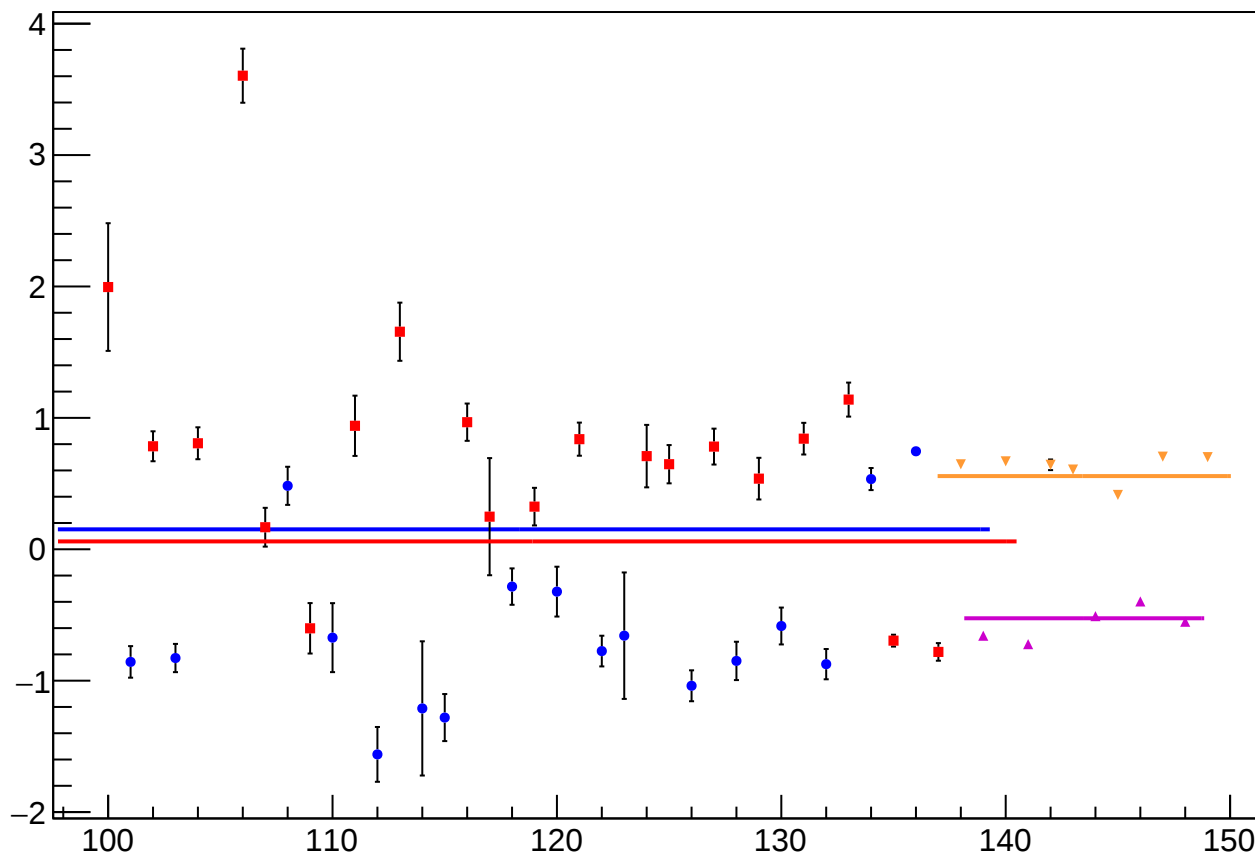
Left In: 26.345 ± 0.197 χ^2/NDF : 1788.3/4

-38.144 ± 0.184 χ^2/NDF : 8786.7/23

-2.986 ± 0.129 χ^2/NDF : 90557.3/48

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 $\pm$ 0.024 χ^2/NDF : 987.4/16

Left Out: 0.557 $\pm$ 0.010 χ^2/NDF : 160.6/6

Right Out: 0.060 $\pm$ 0.026 χ^2/NDF : 1162.1/19

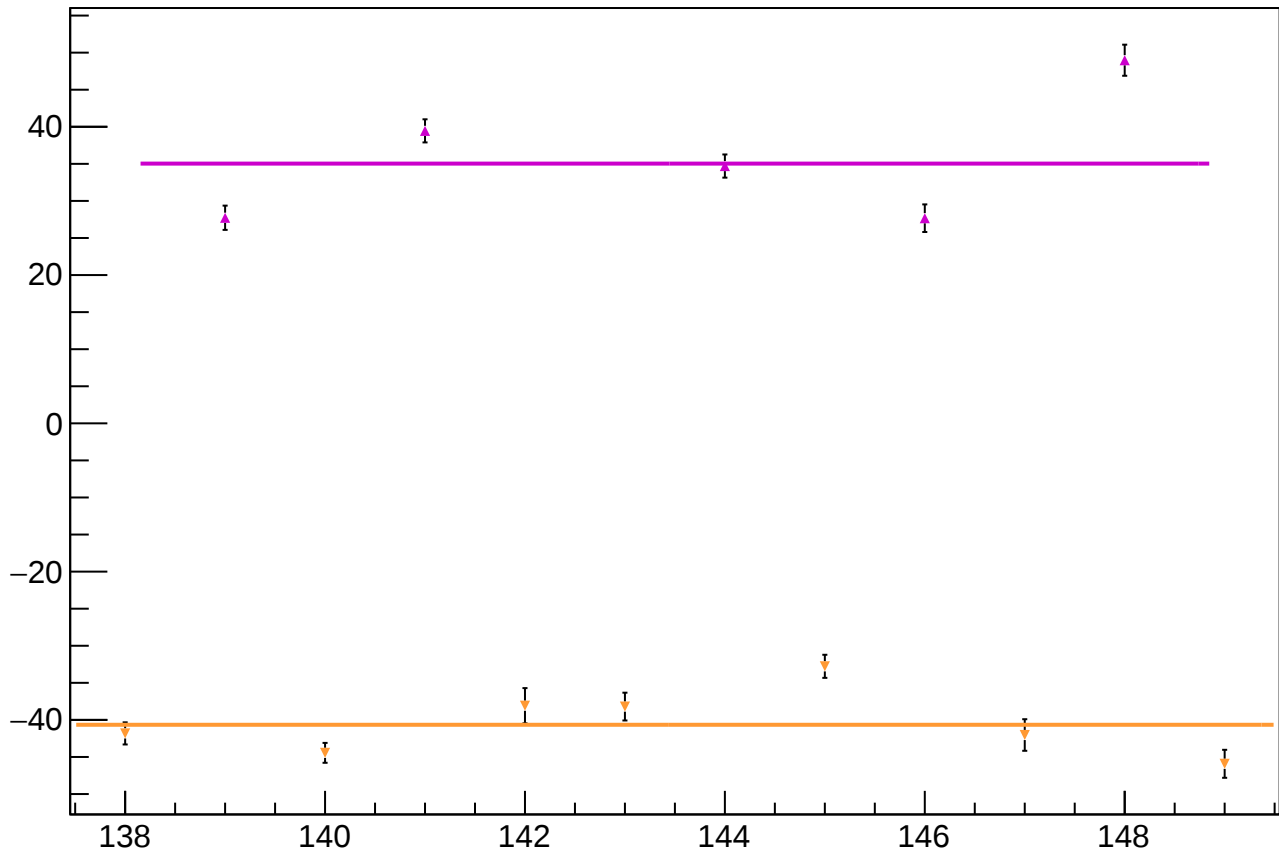
Left In: -0.525 $\pm$ 0.010 χ^2/NDF : 125.5/4

0.498 $\pm$ 0.009 χ^2/NDF : 1391.2/23

0.050 $\pm$ 0.007 χ^2/NDF : 8190.8/48

-0.447 $\pm$ 0.010 χ^2/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: -40.658+/-0.648 χ^2/NDF : 45.3/6

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

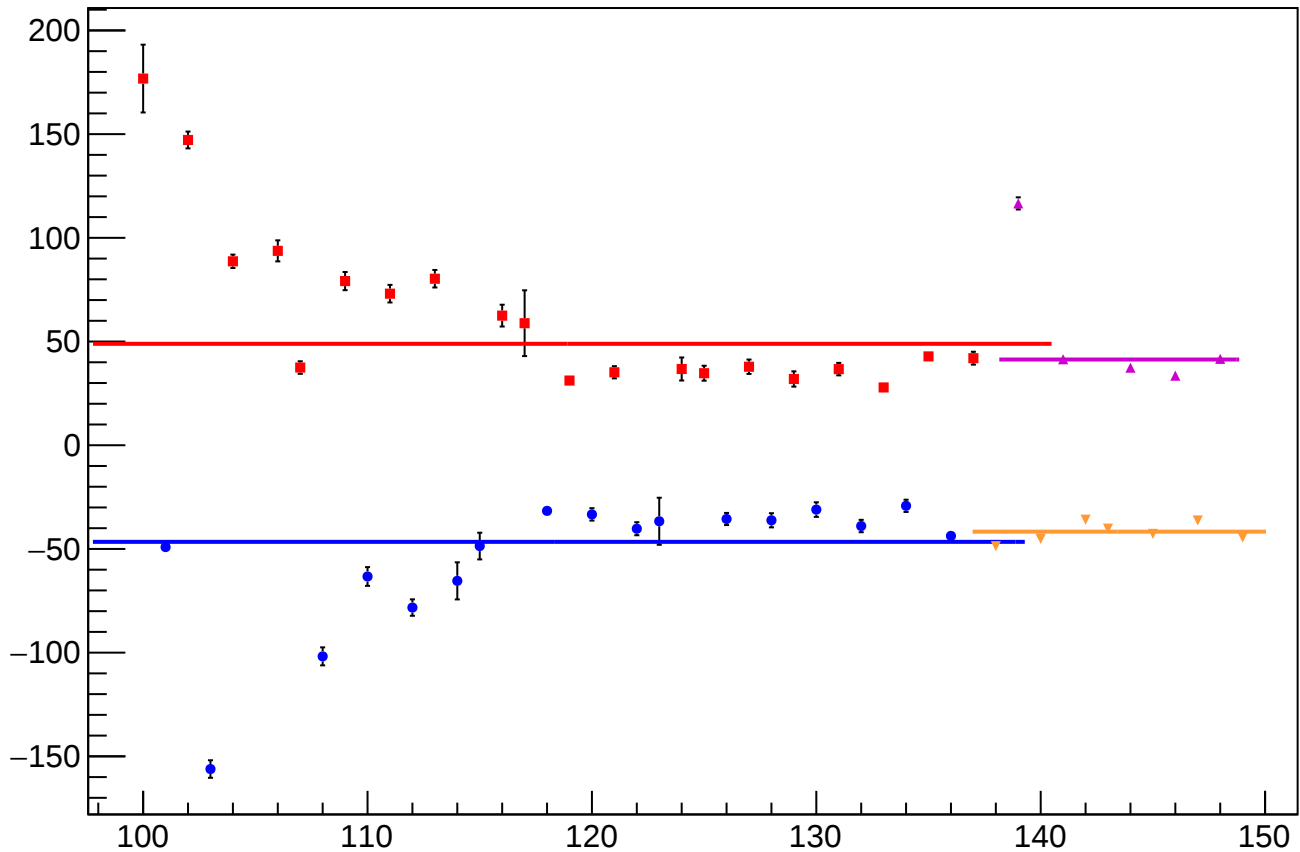
Left In: 35.033+/-0.765 χ^2/NDF : 87.9/4

-40.658+/-0.648 χ^2/NDF : 45.3/6

-9.010+/-0.494 χ^2/NDF : 5835.1/11

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 χ^2/NDF : 1076.4/16

Left Out: -41.667 ± 0.466 χ^2/NDF : 82.7/6

Right Out: 48.911 ± 0.763 χ^2/NDF : 1277.9/19

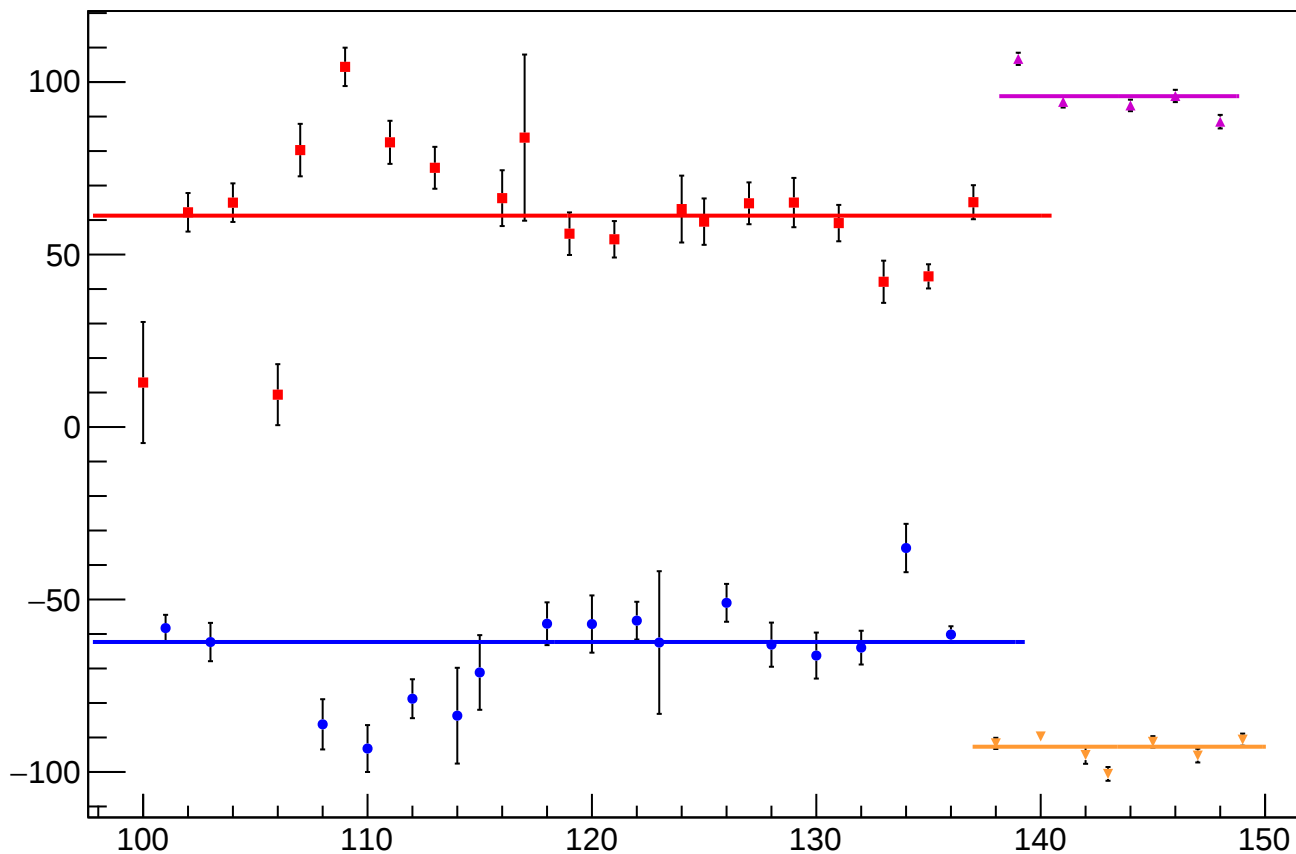
Left In: 41.335 ± 0.538 χ^2/NDF : 719.2/4

-43.089 ± 0.393 χ^2/NDF : 1191.3/23

-4.535 ± 0.293 χ^2/NDF : 24998.2/48

43.856 ± 0.440 χ^2/NDF : 2063.0/24

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315±/-1.316 χ^2/NDF : 67.1/16

Left Out: -92.676±/-0.672 χ^2/NDF : 24.8/6

Right Out: 61.277±/-1.379 χ^2/NDF : 165.9/19

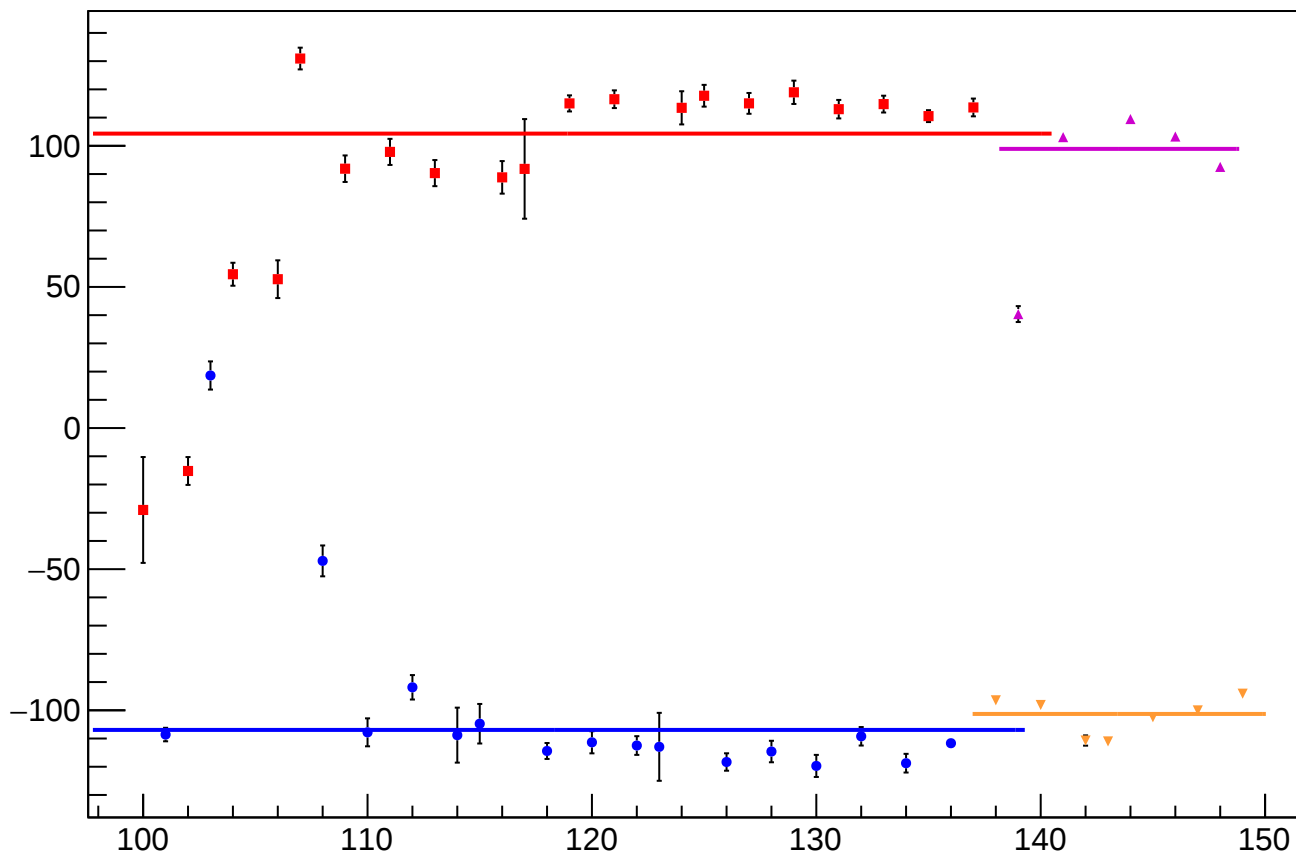
Left In: 95.909±/-0.787 χ^2/NDF : 55.0/4

-86.396±/-0.598 χ^2/NDF : 514.4/23

-11.040±/-0.450 χ^2/NDF : 37793.2/48

87.390±/-0.684 χ^2/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: -101.293 ± 0.569 χ^2/NDF : 105.7/6

Right Out: 104.326 ± 0.860 χ^2/NDF : 1021.5/19

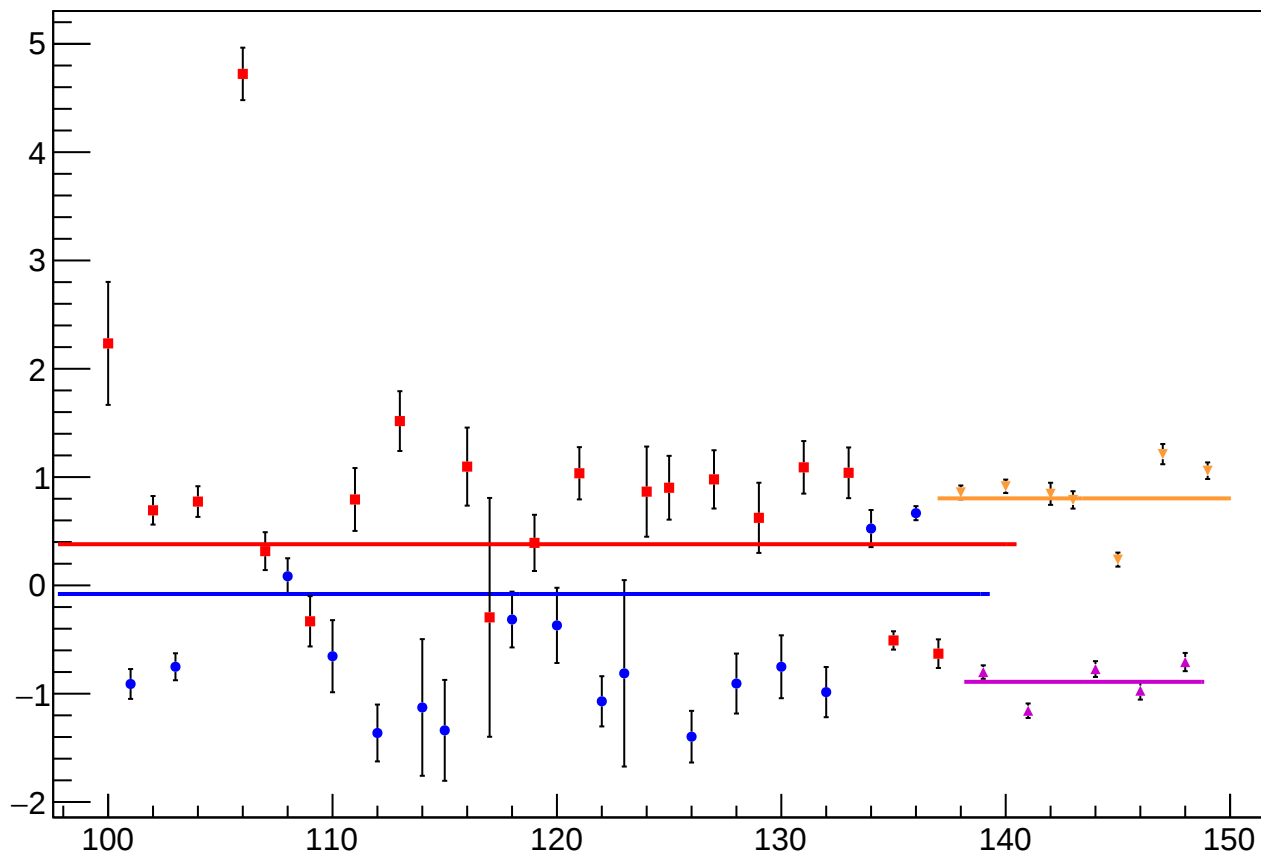
Left In: 98.916 ± 0.669 χ^2/NDF : 533.5/4

-103.142 ± 0.467 χ^2/NDF : 965.2/23

-13.587 ± 0.350 χ^2/NDF : 86324.2/48

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: 0.803+/-0.028 χ^2/NDF :110.5/6

Right Out: 0.380+/-0.044 χ^2/NDF : 580.9/19

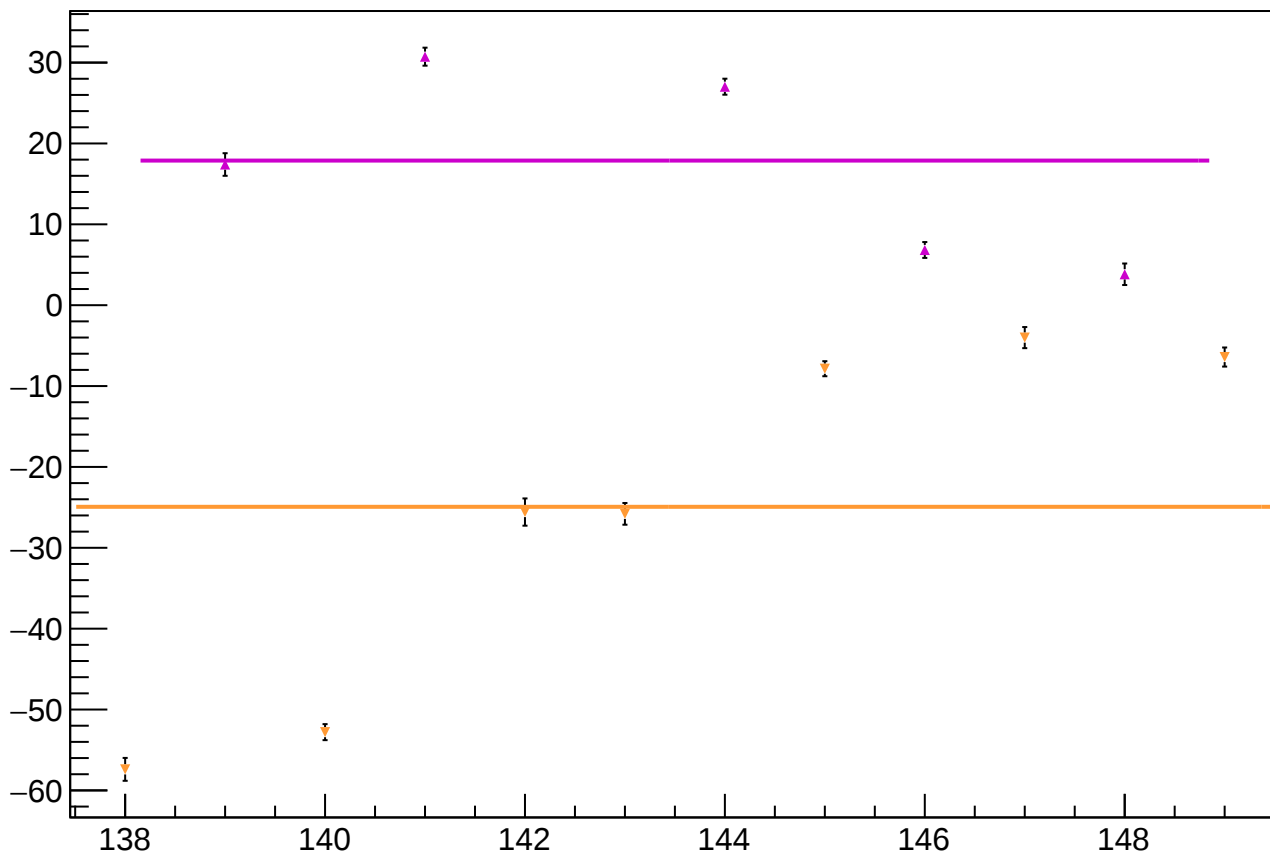
Left In: -0.891+/-0.032 χ^2/NDF :26.3/4

0.534+/-0.023 χ^2/NDF : 742.3/23

0.098+/-0.017 χ^2/NDF : 2675.5/48

-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: -24.931+/-0.452 χ^2/NDF : 2160.0/6

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

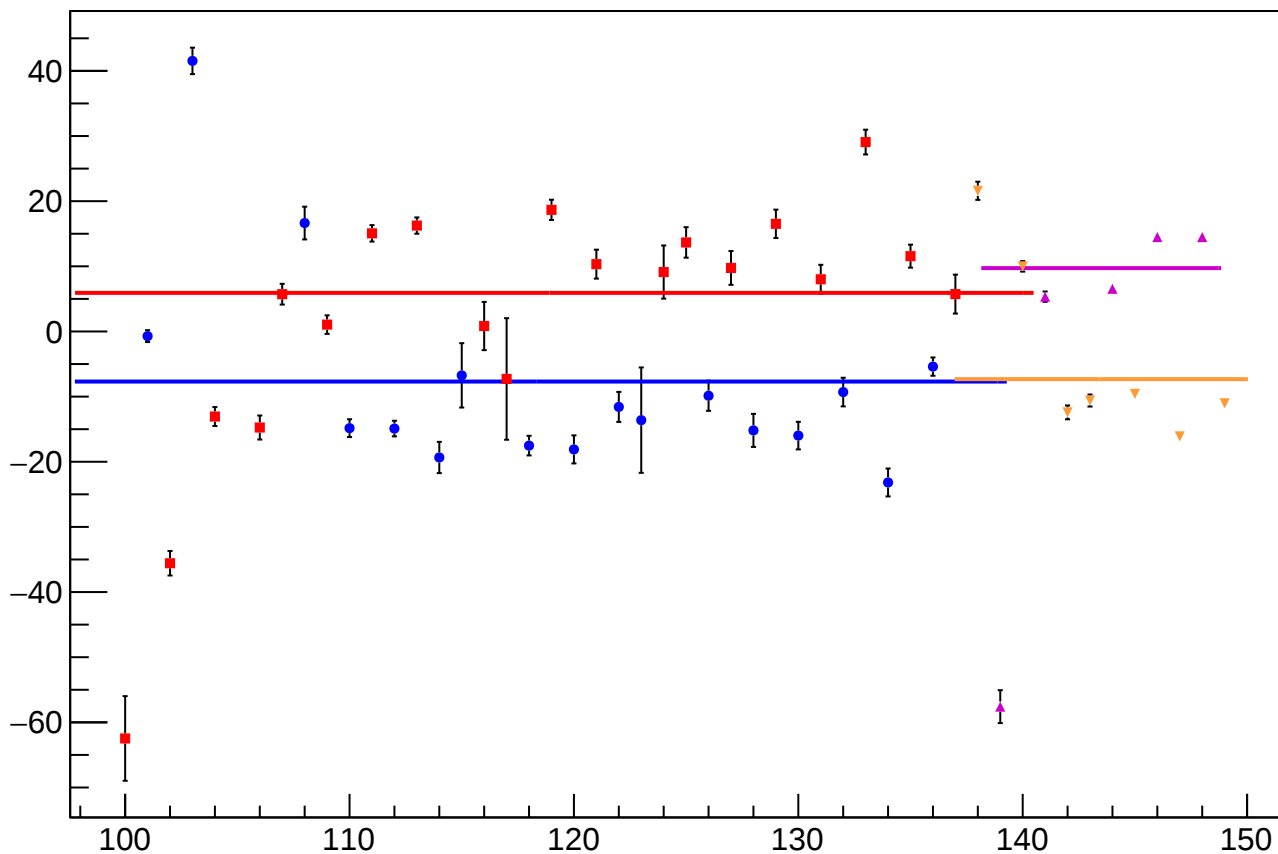
Left In: 17.883+/-0.503 χ^2/NDF : 457.8/4

-24.931+/-0.452 χ^2/NDF : 2160.0/6

-5.800+/-0.336 χ^2/NDF : 6622.5/11

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: -7.319 ± 0.314 χ^2/NDF : 1156.7/6

Right Out: 5.925 ± 0.428 χ^2/NDF : 1300.1/19

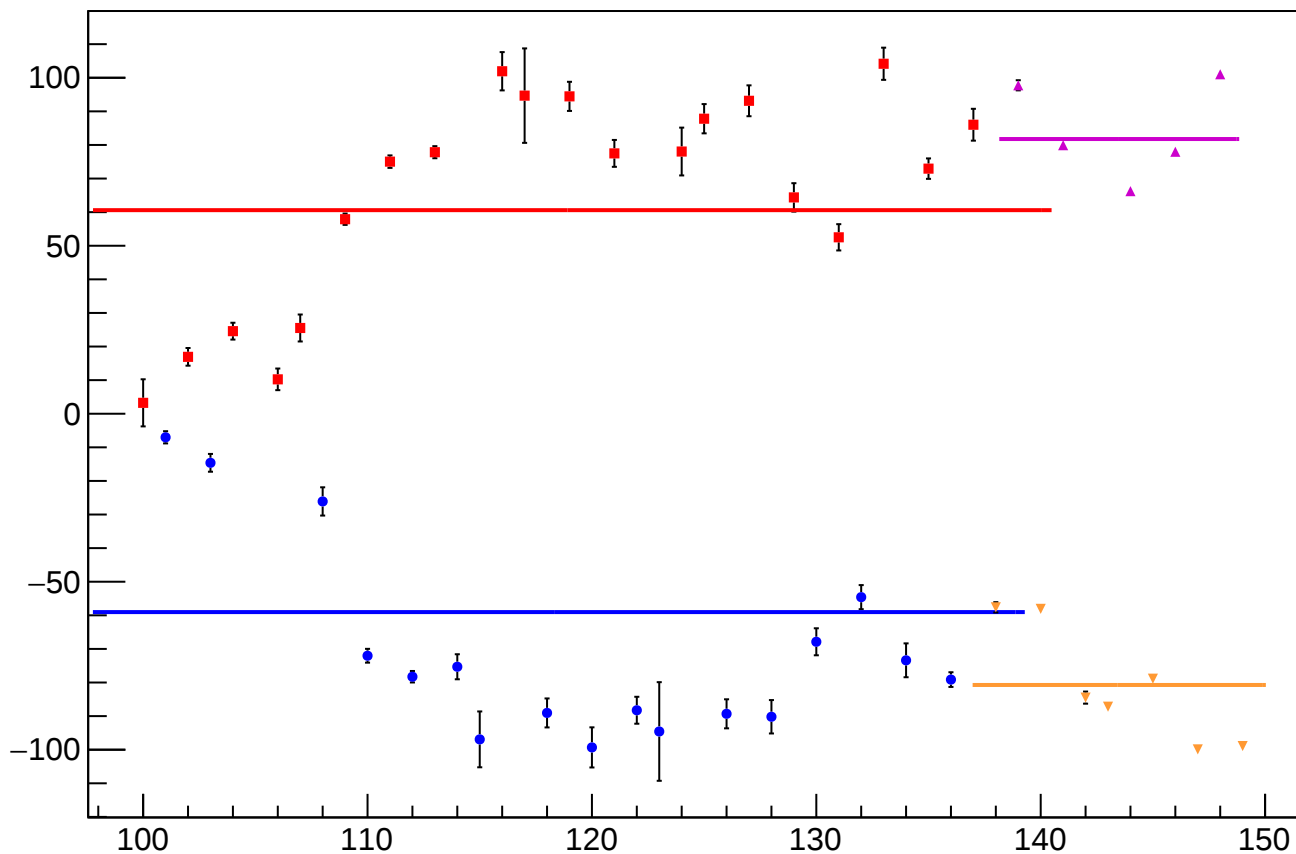
Left In: 9.724 ± 0.338 χ^2/NDF : 874.2/4

-7.447 ± 0.254 χ^2/NDF : 2133.2/23

0.055 ± 0.183 χ^2/NDF : 6190.1/48

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: -80.732 +/- 0.464 χ^2/NDF : 1235.7/6

Right Out: 60.593 +/- 0.704 χ^2/NDF : 1390.7/19

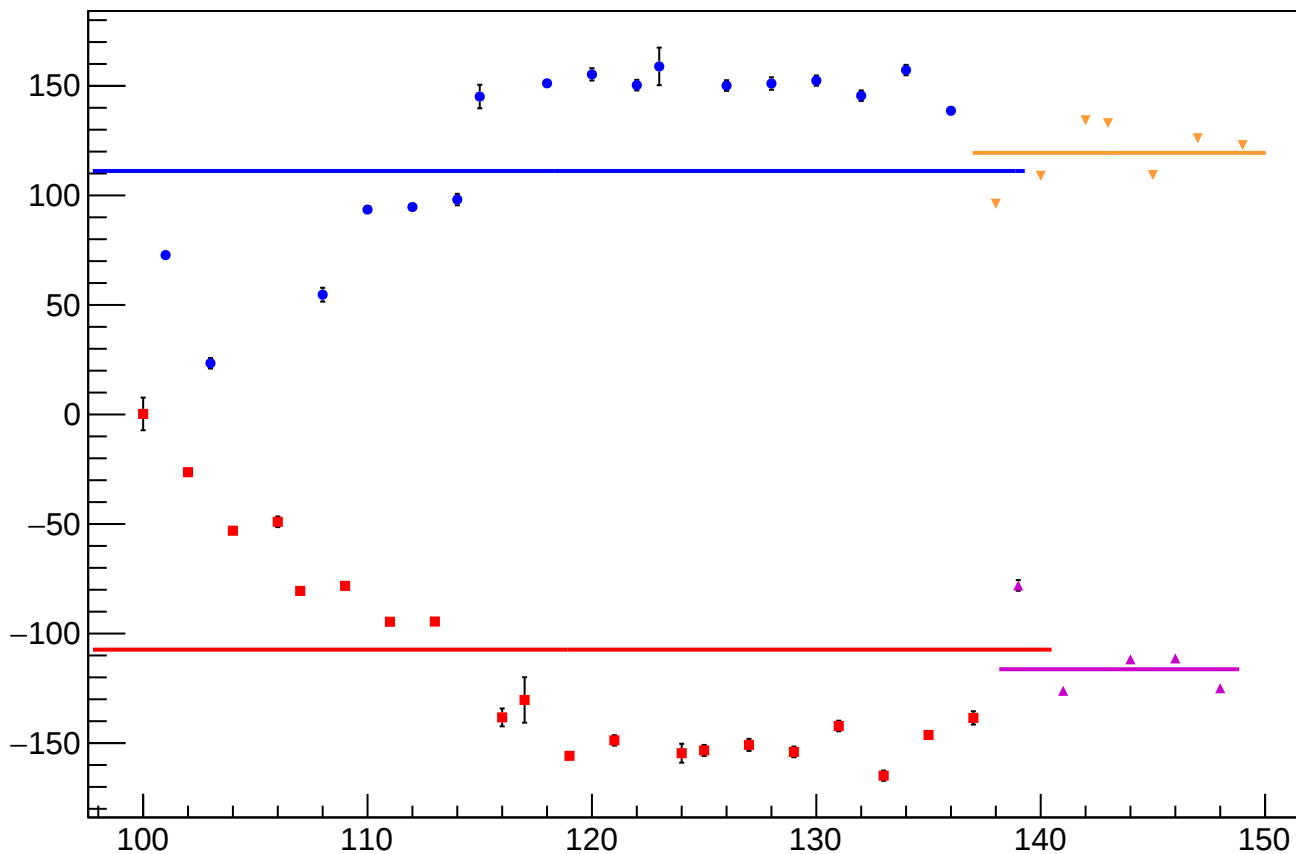
Left In: 81.765 +/- 0.512 χ^2/NDF : 584.1/4

-74.678 +/- 0.394 χ^2/NDF : 3555.4/23

-3.820 +/- 0.285 χ^2/NDF : 74220.9/48

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: 119.422 ± 0.386 $\chi^2/\text{NDF}: 816.4/6$

Right Out: -107.334 ± 0.487 $\chi^2/\text{NDF}: 7060.0/19$

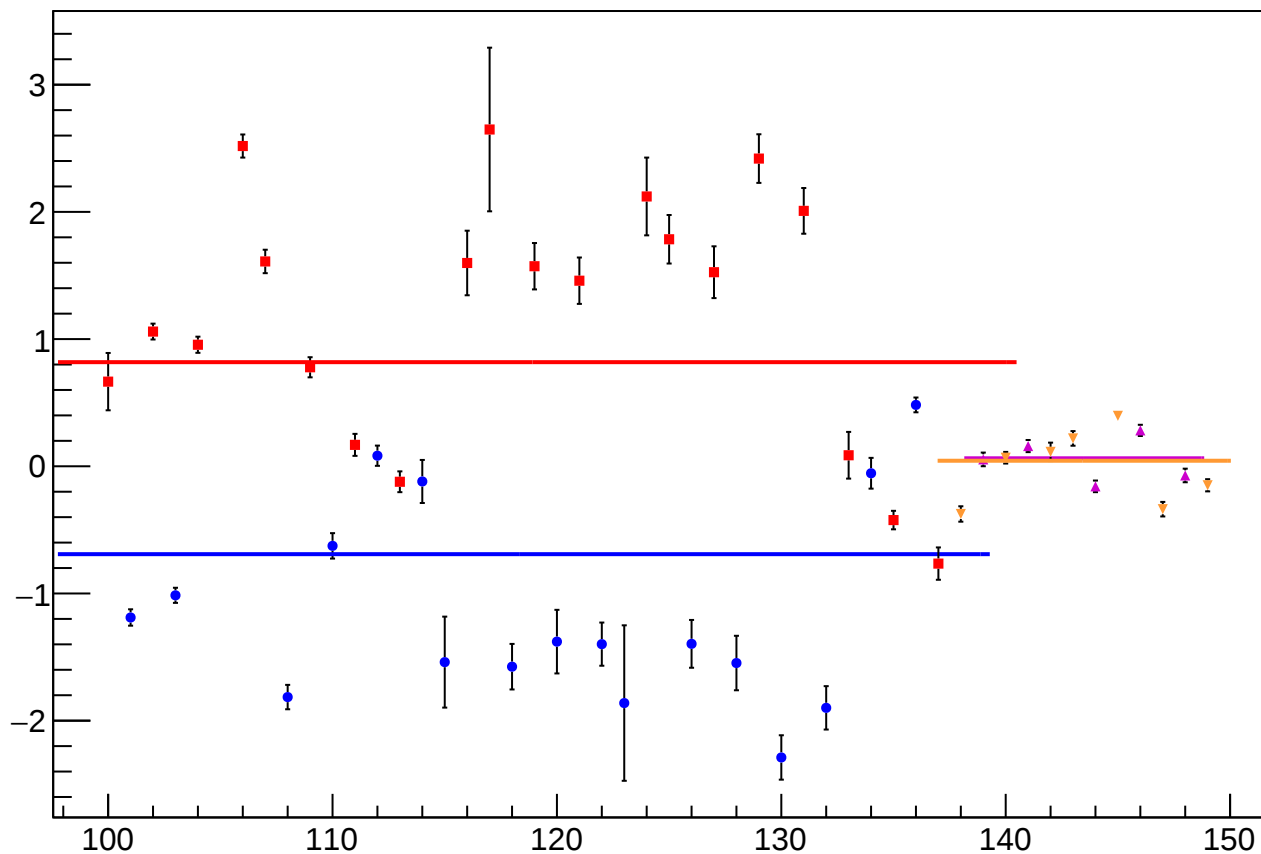
Left In: -116.286 ± 0.422 $\chi^2/\text{NDF}: 515.9/4$

116.252 ± 0.303 $\chi^2/\text{NDF}: 6869.9/23$

7.858 ± 0.220 $\chi^2/\text{NDF}: 284866.8/48$

-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: 0.044 ± 0.019 χ^2/NDF : 202.5/6

Right Out: 0.819 ± 0.024 χ^2/NDF : 1312.5/19

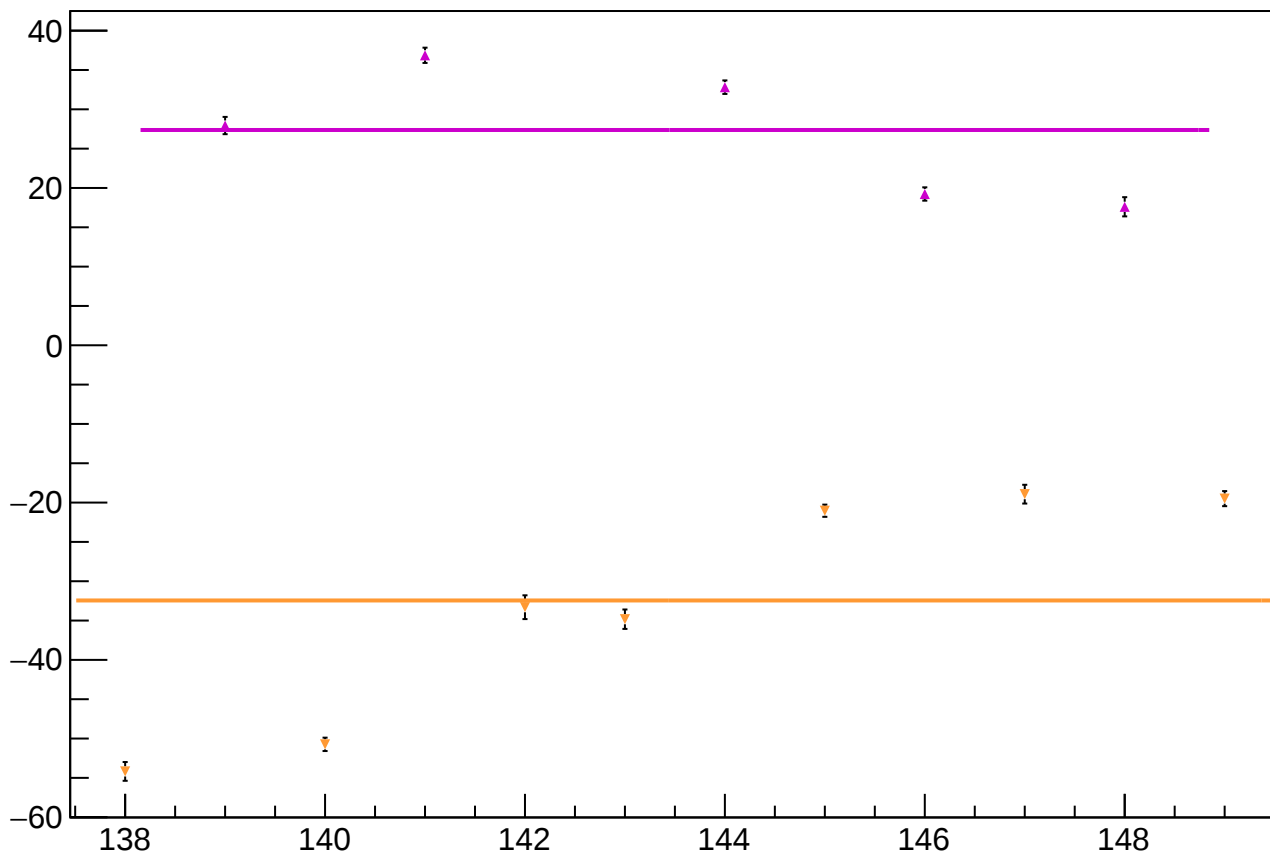
Left In: 0.063 ± 0.022 χ^2/NDF : 58.6/4

-0.222 ± 0.016 χ^2/NDF : 1710.5/23

0.074 ± 0.011 χ^2/NDF : 4380.1/48

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 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -32.445 $\pm$ 0.388 χ^2/NDF :1325.7/6

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

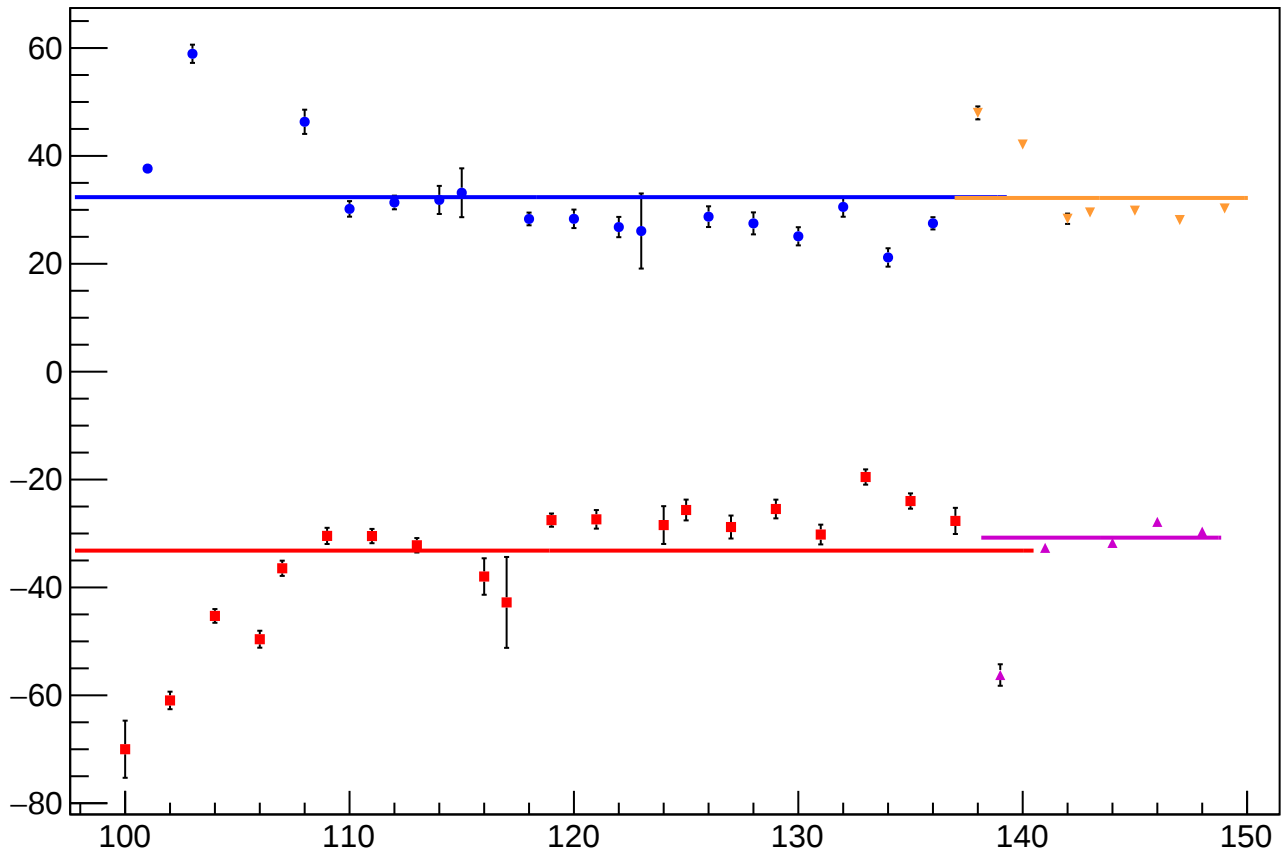
Left In: 27.372 $\pm$ 0.434 χ^2/NDF :292.2/4

-32.445 $\pm$ 0.388 χ^2/NDF : 1325.7/6

-5.859 $\pm$ 0.289 χ^2/NDF : 12164.0/11

27.372 $\pm$ 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: 32.206 ± 0.274 $\chi^2/\text{NDF}: 474.0/6$

Right Out: -33.172 ± 0.378 $\chi^2/\text{NDF}: 773.3/19$

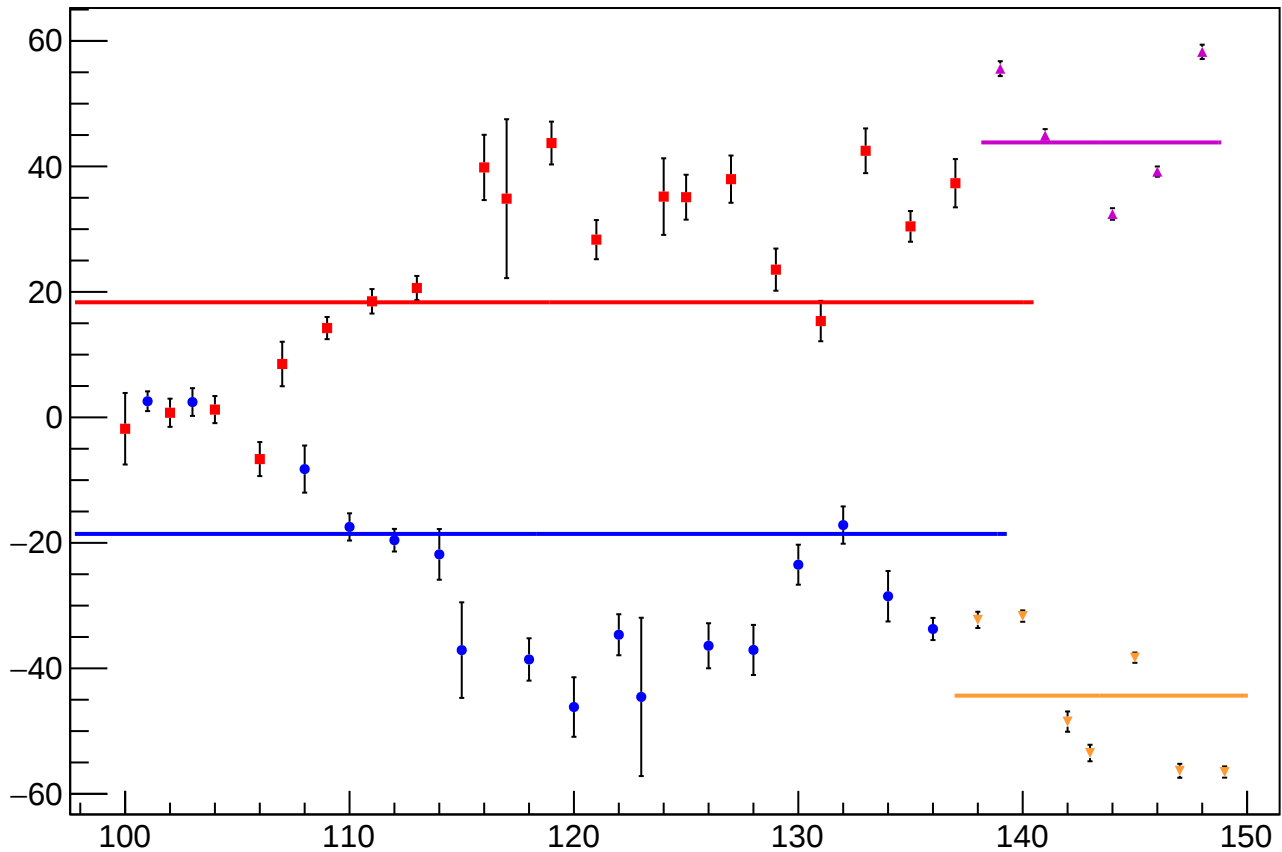
Left In: -30.771 ± 0.301 $\chi^2/\text{NDF}: 205.2/4$

32.258 ± 0.221 $\chi^2/\text{NDF}: 924.6/23$

2.239 ± 0.161 $\chi^2/\text{NDF}: 41095.4/48$

-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±/0.667 χ^2/NDF : 511.5/16

Left Out: -44.347±/0.398 χ^2/NDF : 692.8/6

Right Out: 18.343±/0.643 χ^2/NDF : 475.1/19

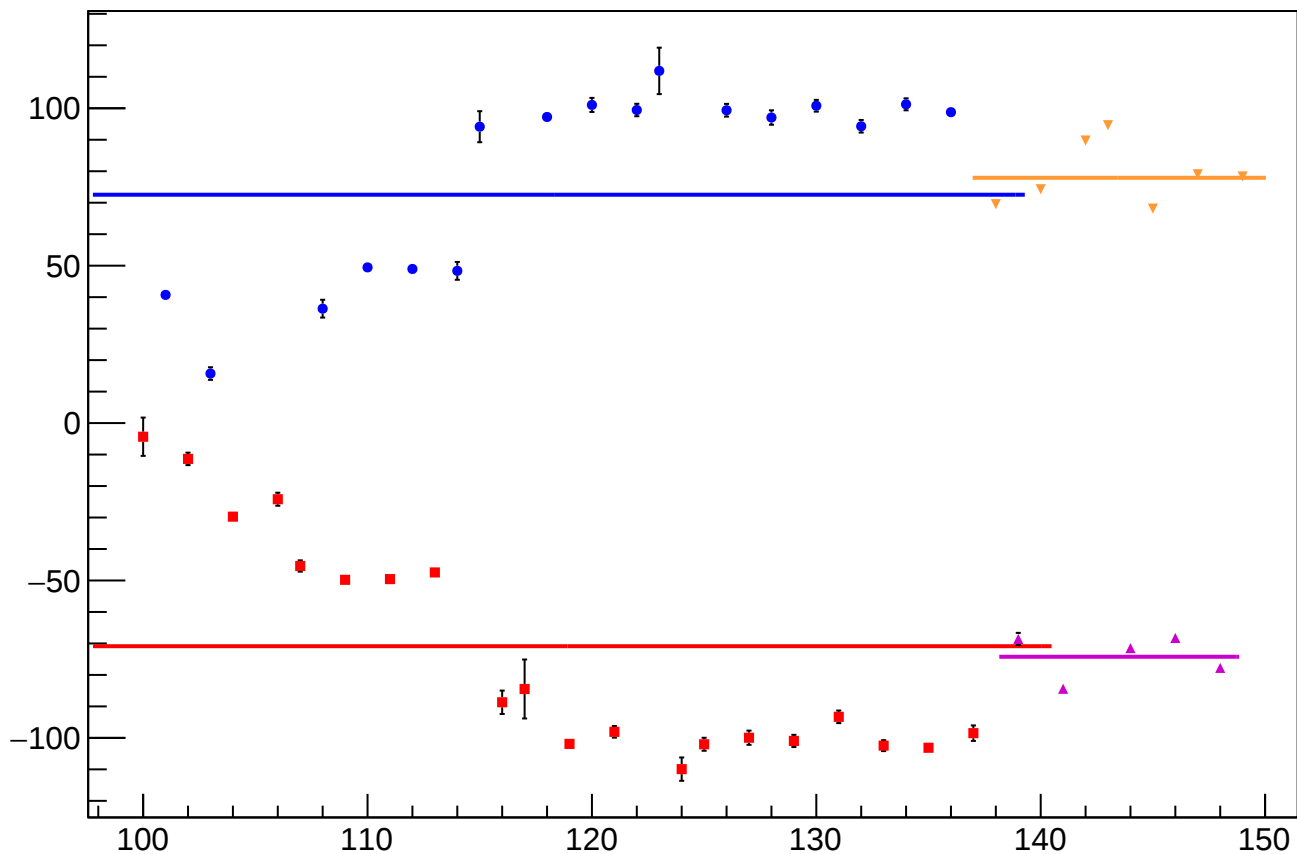
Left In: 43.822±/0.443 χ^2/NDF : 444.0/4

-37.589±/0.342 χ^2/NDF : 2304.5/23

-3.367±/0.249 χ^2/NDF : 25734.7/48

35.620±/0.365 χ^2/NDF : 1983.8/24

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 77.918+/-0.335 χ^2/NDF : 605.7/6

Right Out: -70.878+/-0.433 χ^2/NDF : 5502.3/19

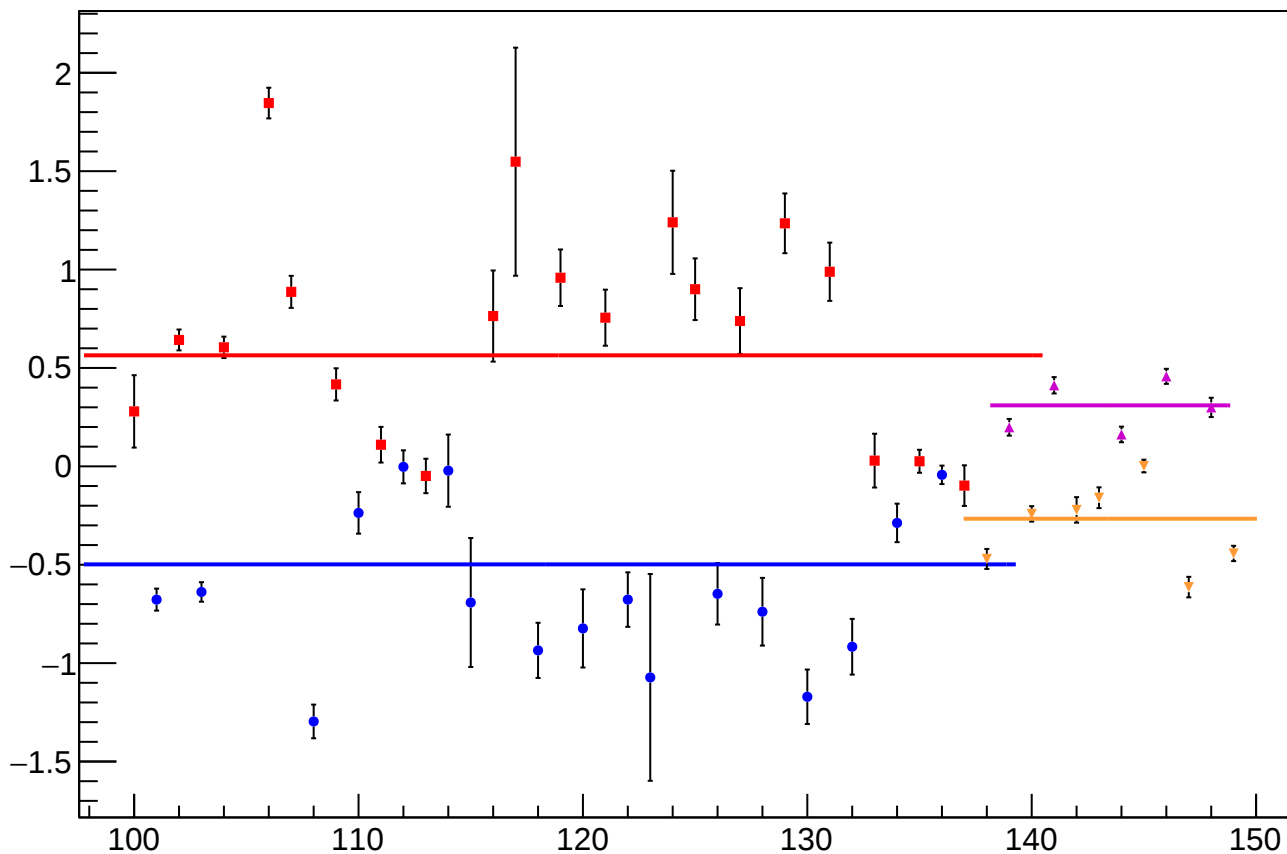
Left In: -74.227+/-0.372 χ^2/NDF : 267.9/4

75.876+/-0.264 χ^2/NDF : 5387.8/23

6.534+/-0.193 χ^2/NDF : 159301.7/48

-72.803+/-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: -0.266 ± 0.017 χ^2/NDF : 155.4/6

Right Out: 0.564 ± 0.021 χ^2/NDF : 563.6/19

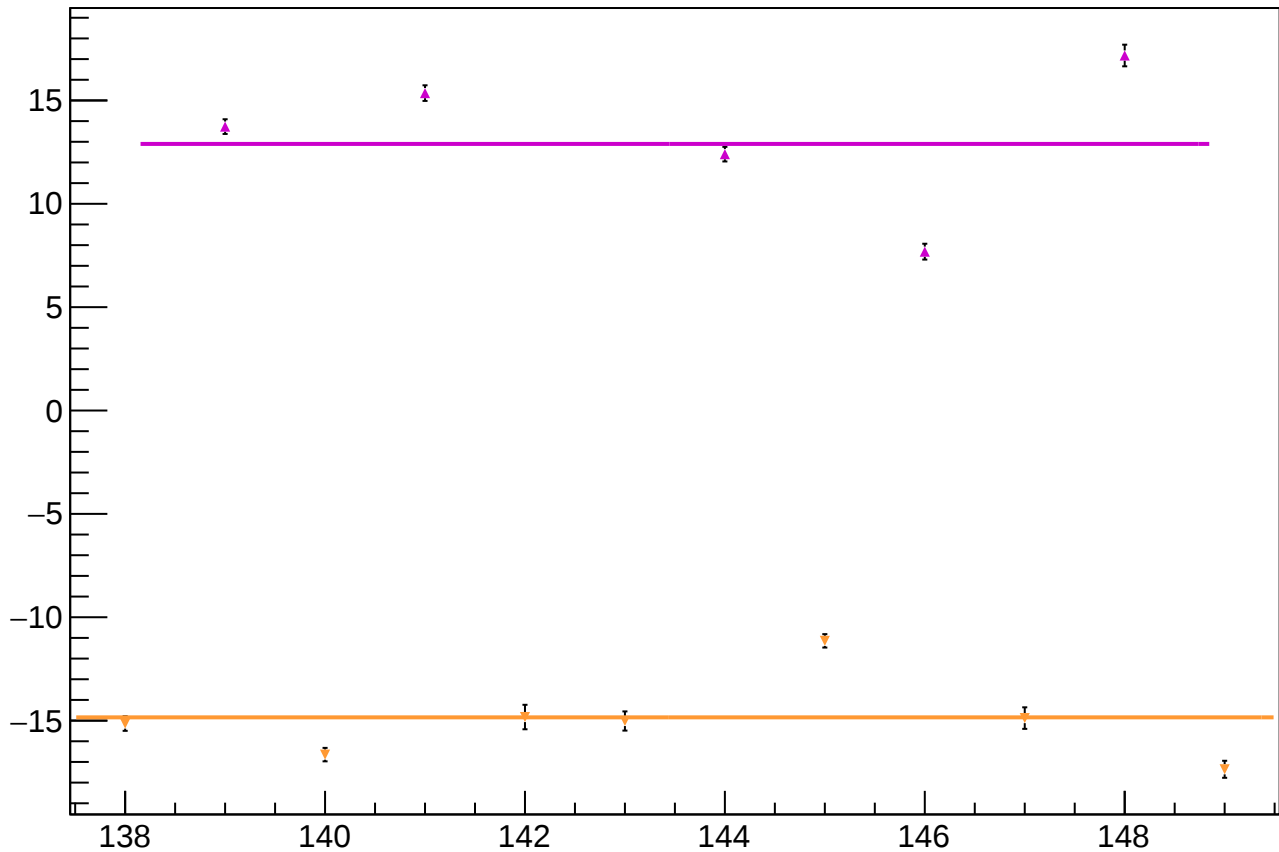
Left In: 0.310 ± 0.019 χ^2/NDF : 41.7/4

-0.349 ± 0.013 χ^2/NDF : 527.7/23

0.015 ± 0.010 χ^2/NDF : 2785.6/48

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: -14.843+/-0.151 χ^2/NDF : 198.7/6

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

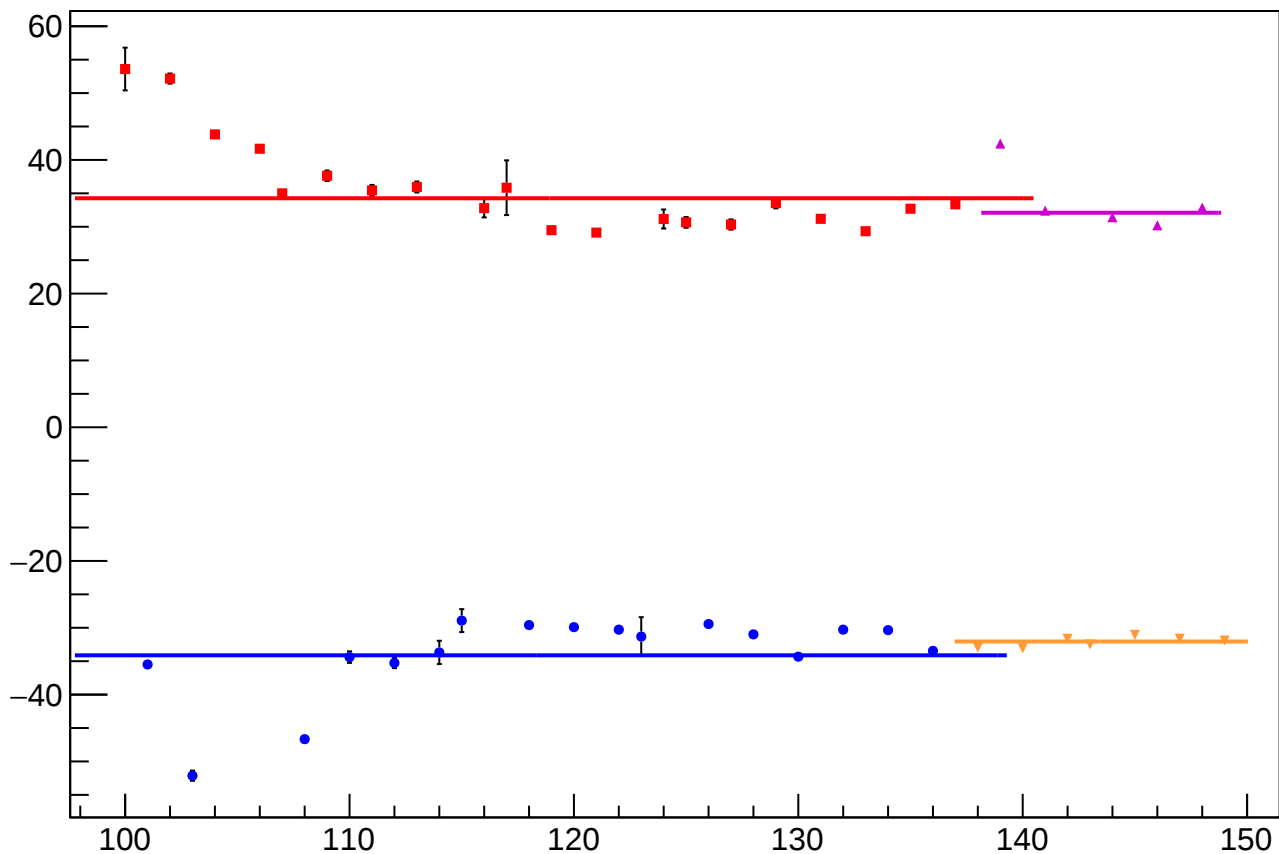
Left In: 12.897+/-0.173 χ^2/NDF : 301.5/4

-14.843+/-0.151 χ^2/NDF : 198.7/6

-2.879+/-0.114 χ^2/NDF : 15106.0/11

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 χ^2/NDF : 1322.4/16

Left Out: -32.059 ± 0.110 χ^2/NDF : 40.4/6

Right Out: 34.262 ± 0.151 χ^2/NDF : 1355.1/19

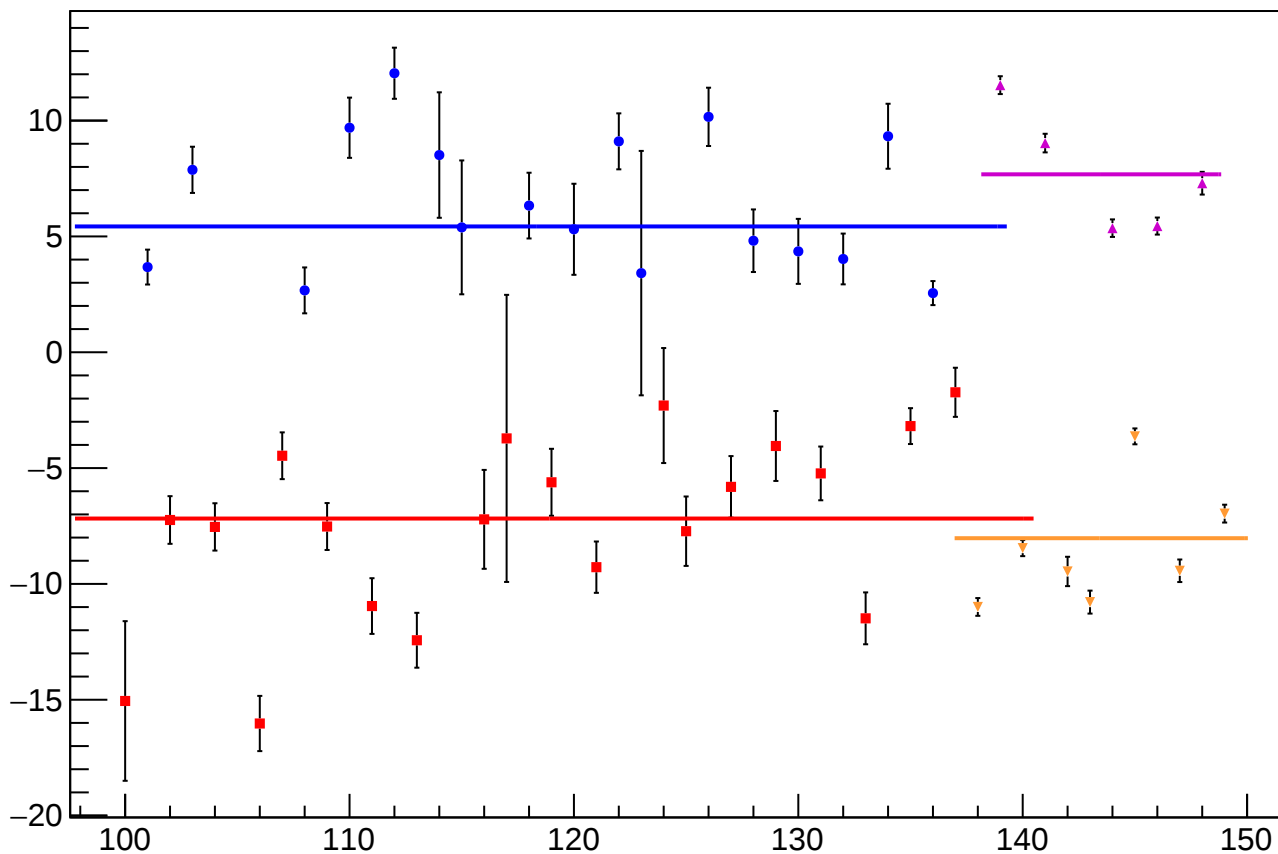
Left In: 32.097 ± 0.126 χ^2/NDF : 337.1/4

-32.771 ± 0.089 χ^2/NDF : 1483.7/23

-2.533 ± 0.066 χ^2/NDF : 253416.7/48

32.987 ± 0.097 χ^2/NDF : 1813.7/24

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -8.027 ± 0.156 χ^2/NDF : 277.8/6

Right Out: -7.178 ± 0.274 χ^2/NDF : 182.4/19

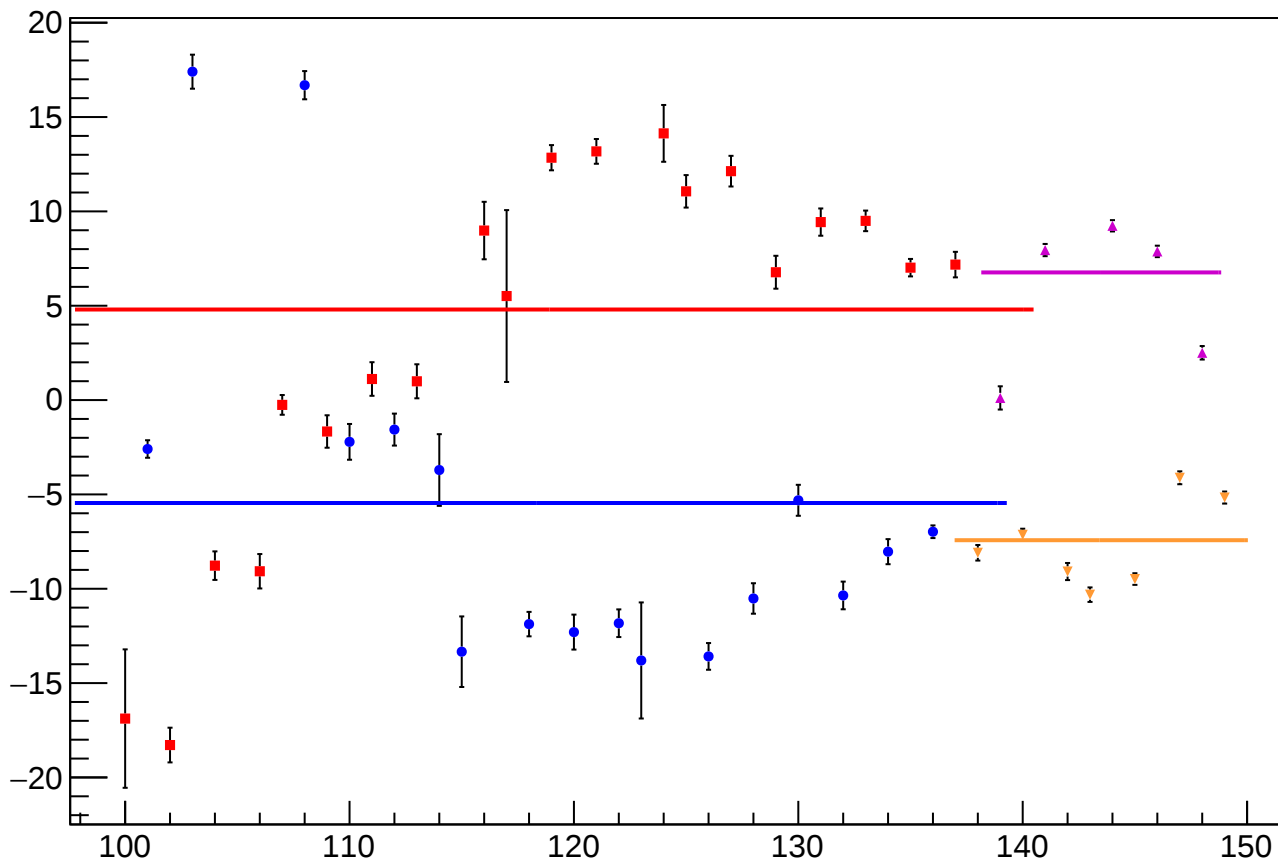
Left In: 7.681 ± 0.178 χ^2/NDF : 186.2/4

-4.670 ± 0.135 χ^2/NDF : 2269.0/23

-1.105 ± 0.100 χ^2/NDF : 6252.2/48

3.263 ± 0.149 χ^2/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: -7.427 ± 0.134 χ^2/NDF : 261.2/6

Right Out: 4.799 ± 0.173 χ^2/NDF : 2047.5/19

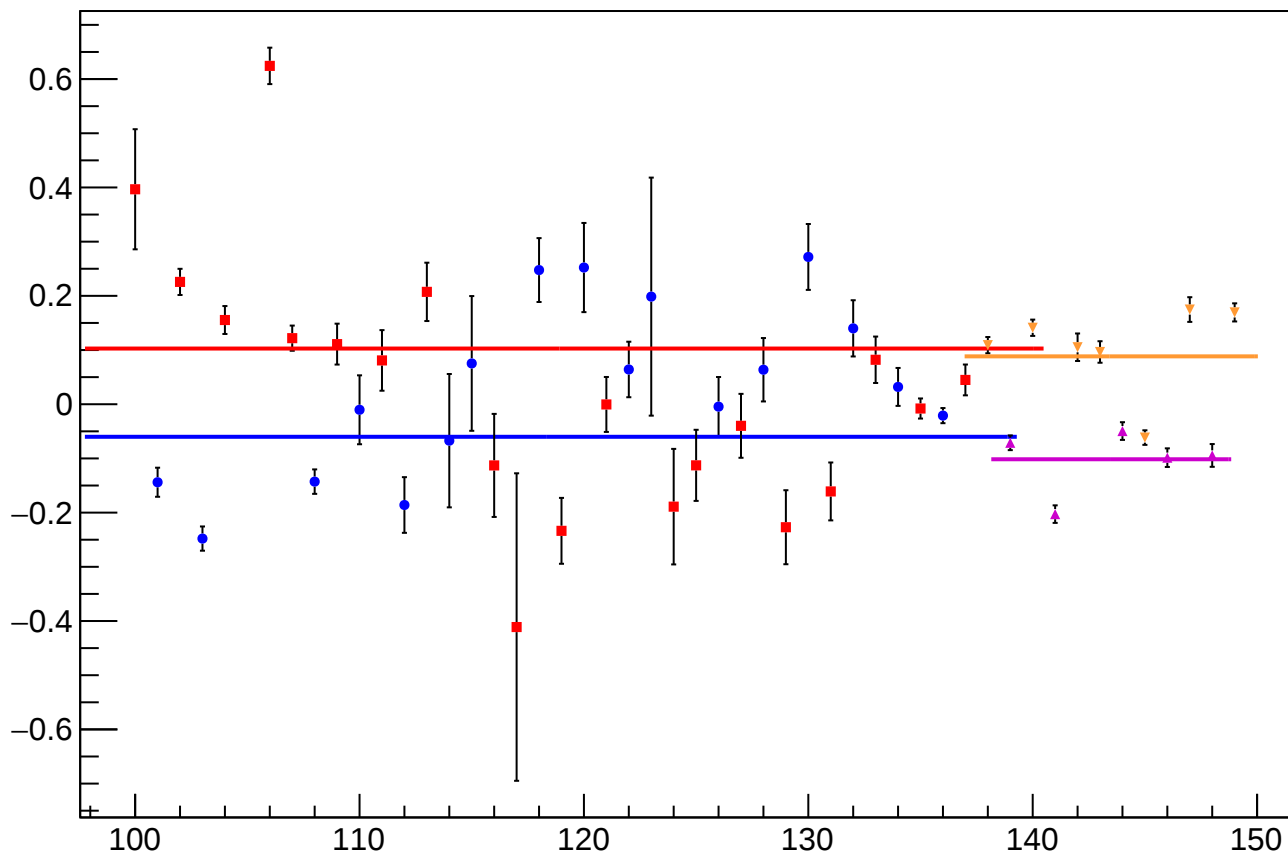
Left In: 6.765 ± 0.155 χ^2/NDF : 352.6/4

-6.678 ± 0.105 χ^2/NDF : 2440.4/23

-0.958 ± 0.078 χ^2/NDF : 11396.5/48

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: 0.088 ± 0.006 χ^2/NDF : 177.0/6

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

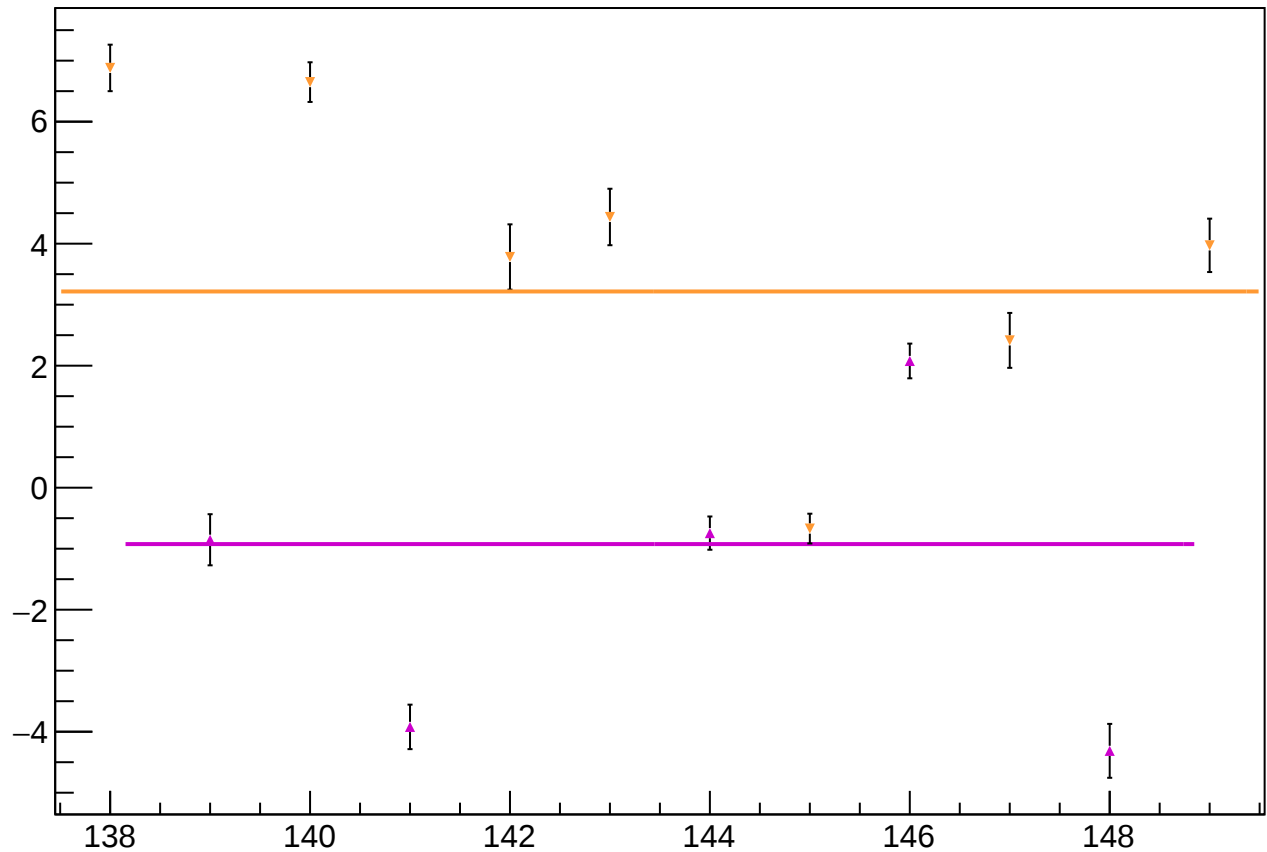
Left In: -0.102 ± 0.007 χ^2/NDF : 54.4/4

0.033 ± 0.005 χ^2/NDF : 588.6/23

0.012 ± 0.004 χ^2/NDF : 1453.9/48

-0.014 ± 0.006 χ^2/NDF : 826.4/24

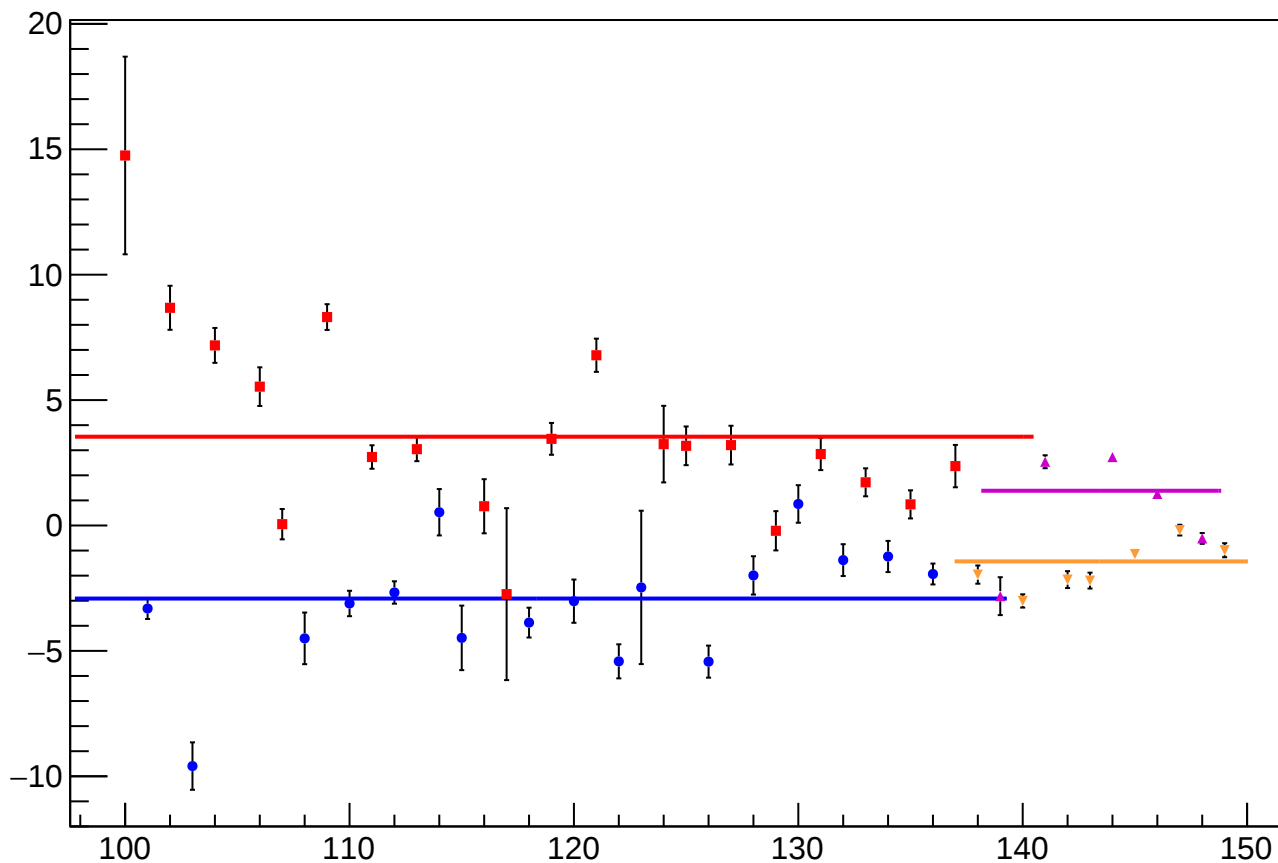
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.216 $\pm$ 0.139 χ^2 /NDF: 472.0/6
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.924 $\pm$ 0.150 χ^2 /NDF: 238.2/4

3.216 $\pm$ 0.139 χ^2 /NDF: 472.0/6
 1.304 $\pm$ 0.102 χ^2 /NDF: 1117.8/11
 -0.924 $\pm$ 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: -1.432 ± 0.099 χ^2/NDF : 87.1/6

Right Out: 3.540 ± 0.154 χ^2/NDF : 294.2/19

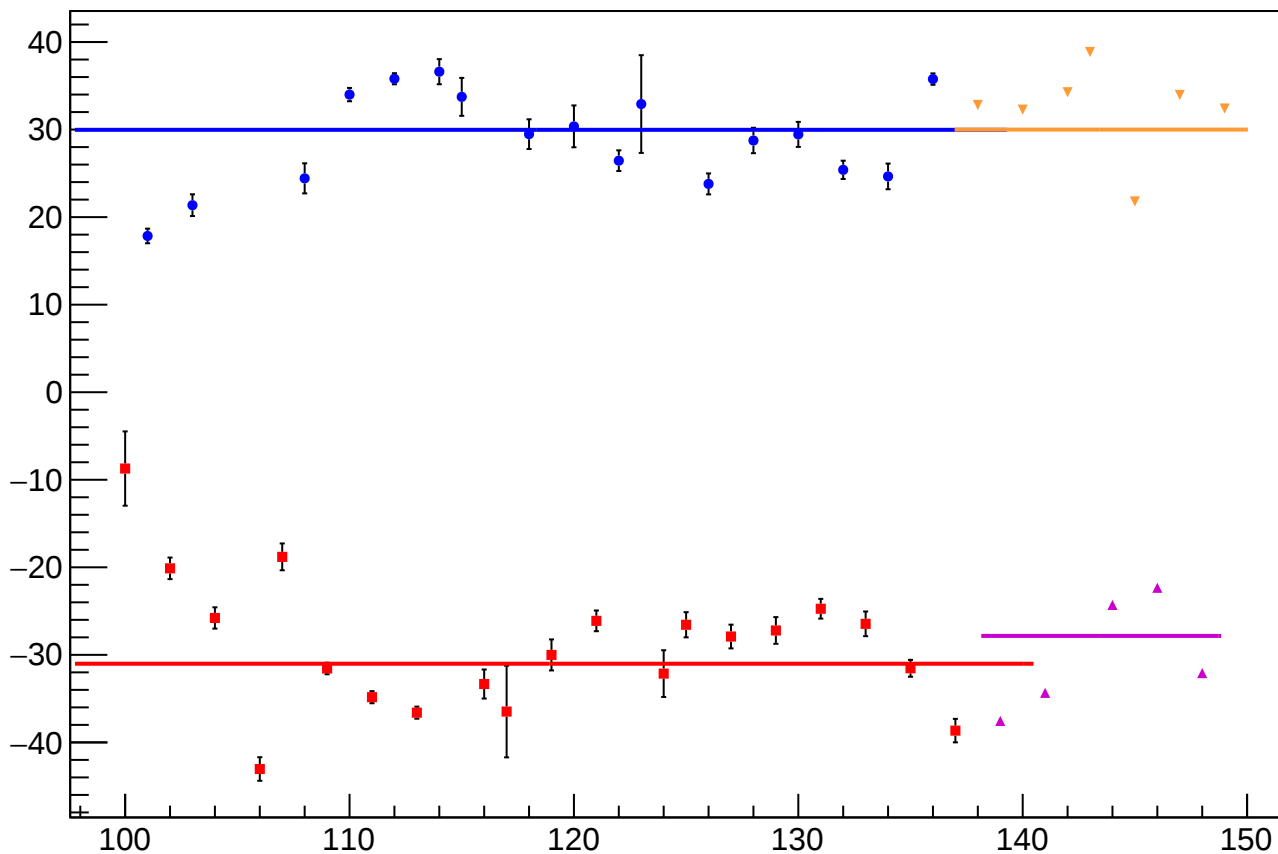
Left In: 1.385 ± 0.101 χ^2/NDF : 176.8/4

-1.864 ± 0.084 χ^2/NDF : 298.0/23

0.059 ± 0.060 χ^2/NDF : 1977.5/48

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 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 29.998 ± 0.145 $\chi^2/\text{NDF}: 1588.8/6$

Right Out: -31.013 ± 0.260 $\chi^2/\text{NDF}: 480.6/19$

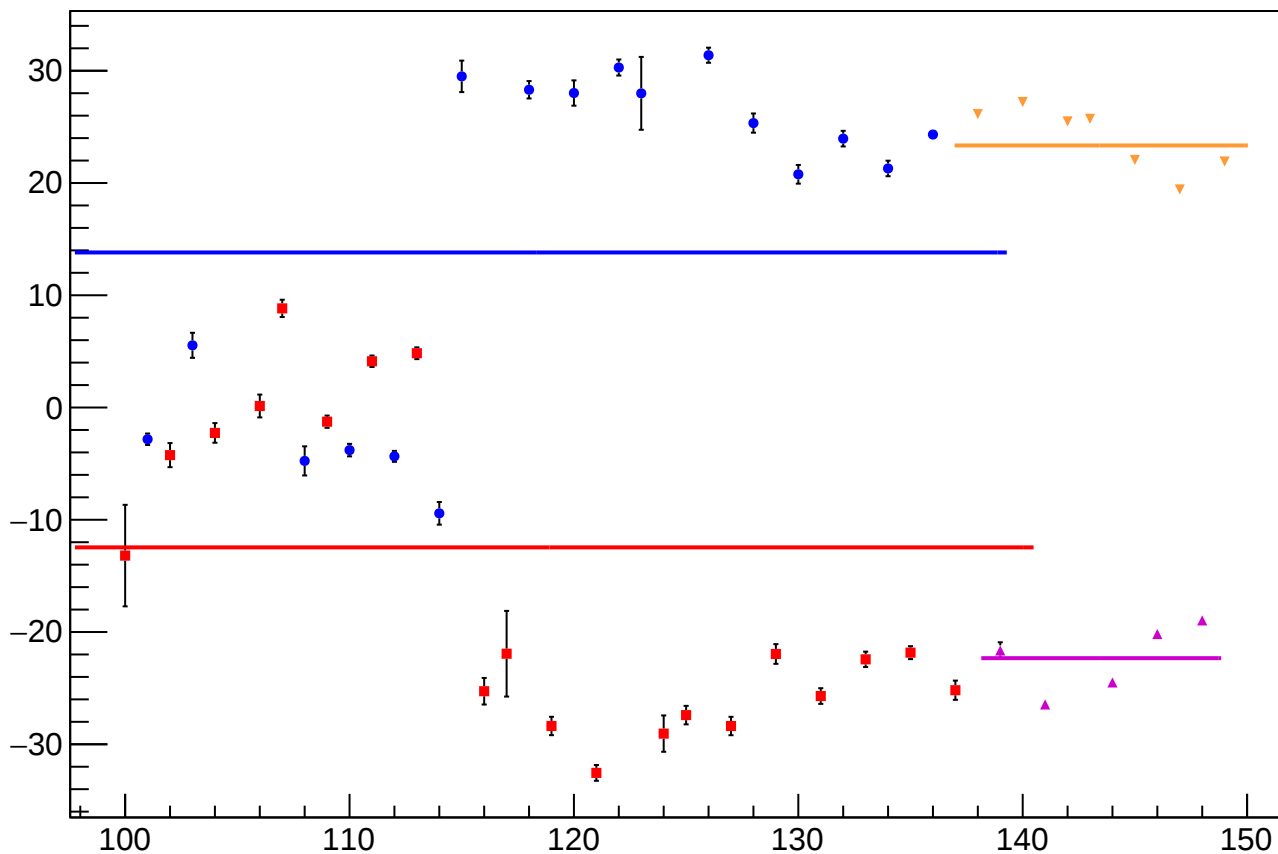
Left In: -27.836 ± 0.153 $\chi^2/\text{NDF}: 1397.2/4$

29.992 ± 0.127 $\chi^2/\text{NDF}: 2143.1/23$

1.781 ± 0.092 $\chi^2/\text{NDF}: 106405.8/48$

-28.658 ± 0.132 $\chi^2/\text{NDF}: 1988.6/24$

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: 23.345+/-0.121 χ^2/NDF : 483.9/6

Right Out: -12.460+/-0.174 χ^2/NDF : 6976.5/19

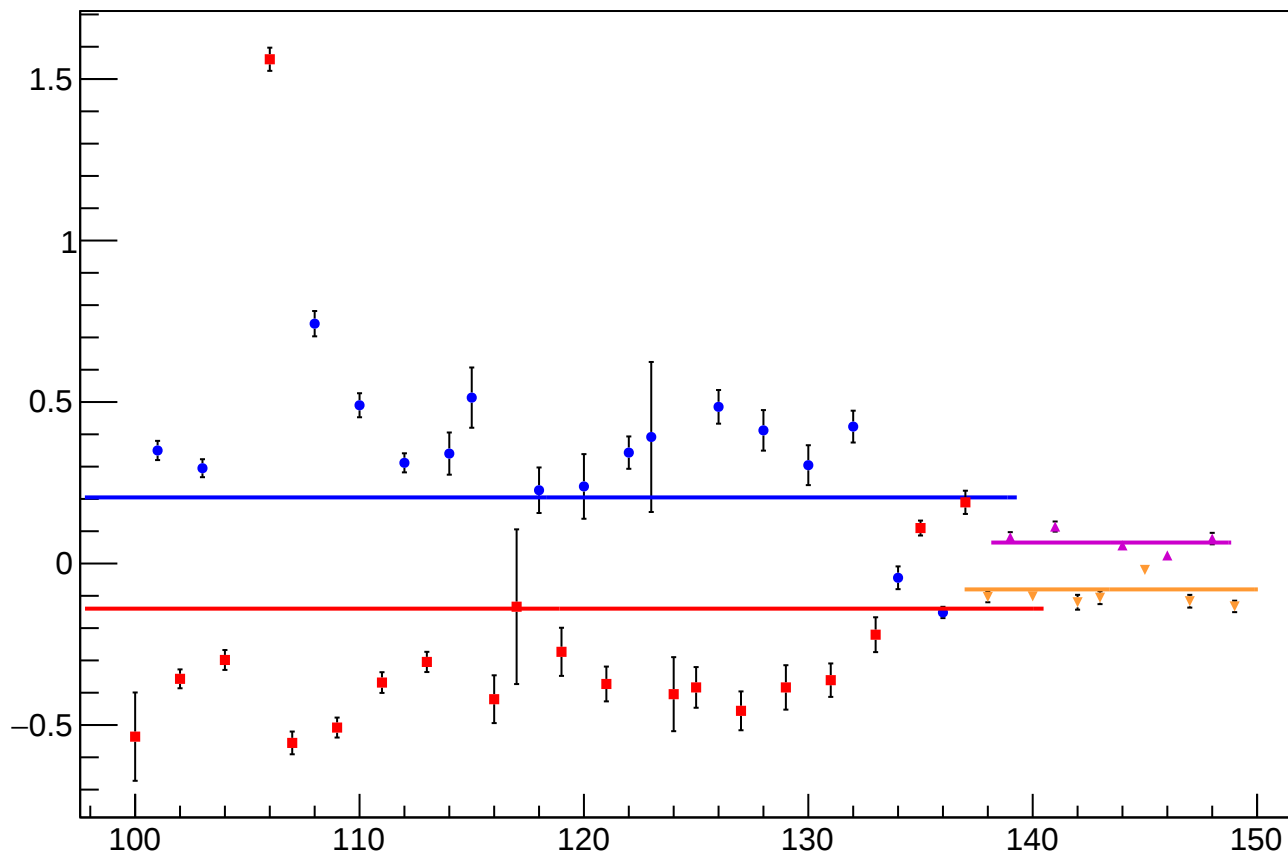
Left In: -22.330+/-0.126 χ^2/NDF : 484.0/4

20.197+/-0.099 χ^2/NDF : 9843.3/23

1.209+/-0.071 χ^2/NDF : 94820.2/48

-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 χ^2/NDF : 845.8/16

Left Out: -0.080 ± 0.006 χ^2/NDF : 56.1/6

Right Out: -0.140 ± 0.009 χ^2/NDF : 3014.2/19

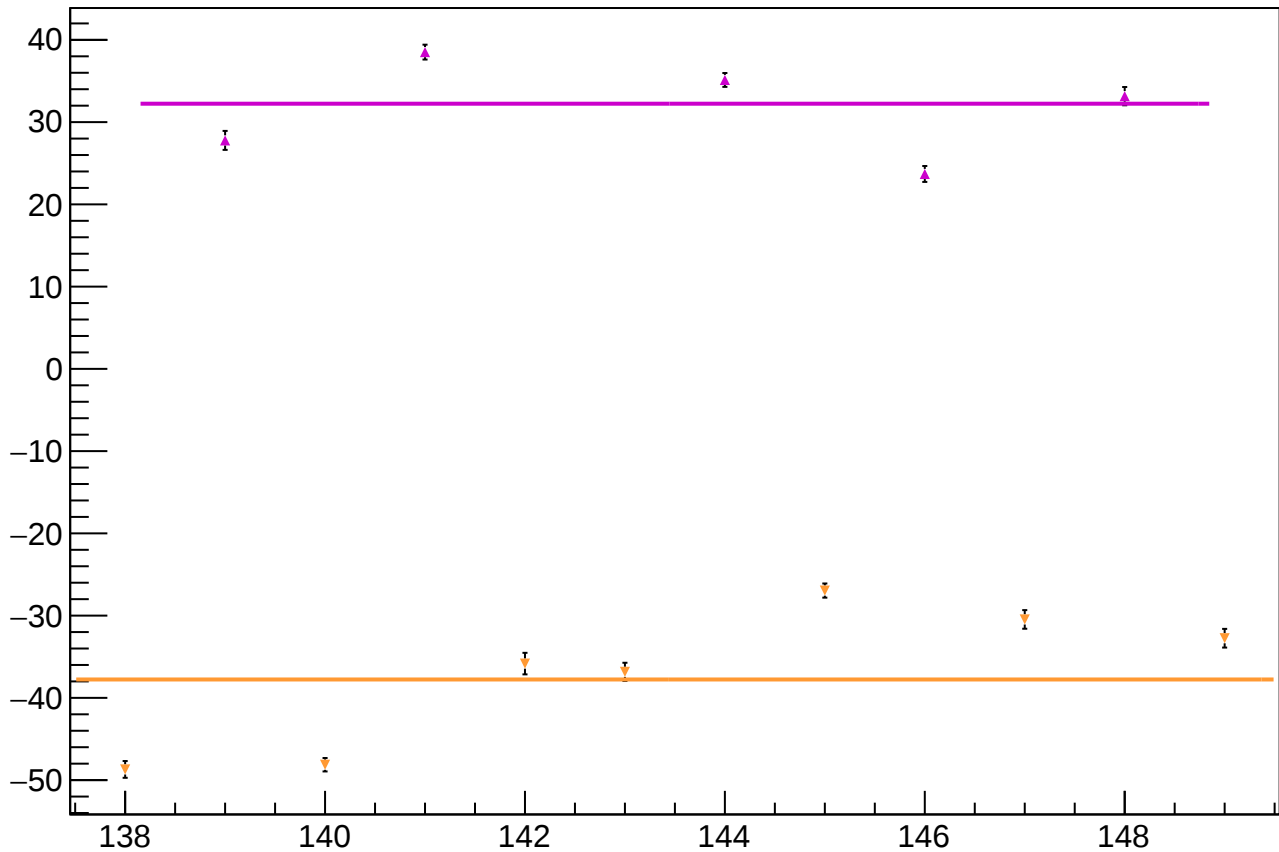
Left In: 0.065 ± 0.006 χ^2/NDF : 21.8/4

0.002 ± 0.005 χ^2/NDF : 1557.7/23

-0.000 ± 0.004 χ^2/NDF : 4924.2/48

-0.003 ± 0.005 χ^2/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: -37.765+/-0.384 χ^2/NDF : 498.0/6

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

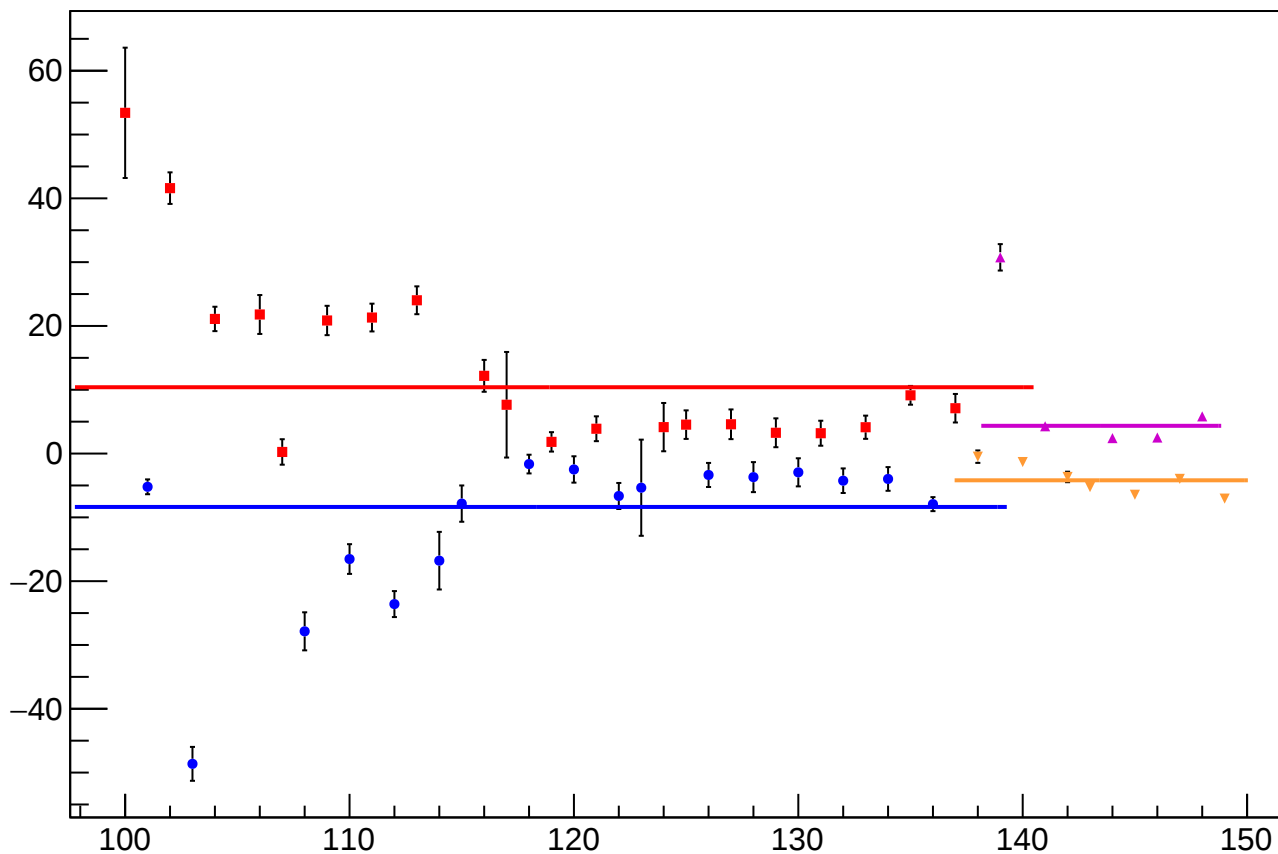
Left In: 32.239+/-0.436 χ^2/NDF : 153.5/4

-37.765+/-0.384 χ^2/NDF : 498.0/6

-7.162+/-0.288 χ^2/NDF : 15161.8/11

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: -4.192+/-0.267 χ^2/NDF : 61.8/6

Right Out: 10.396+/-0.490 χ^2/NDF : 430.4/19

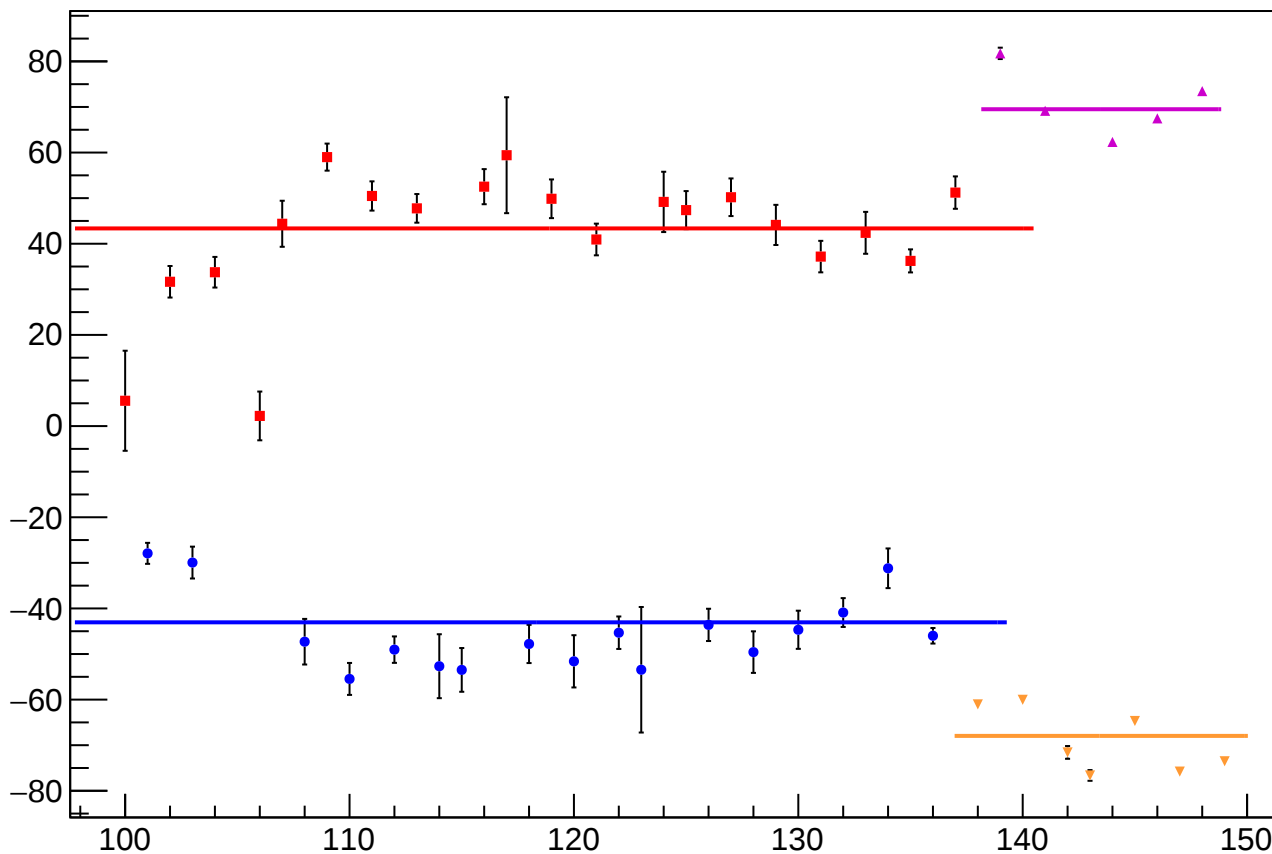
Left In: 4.349+/-0.289 χ^2/NDF : 190.8/4

-5.225+/-0.232 χ^2/NDF : 531.0/23

-0.054+/-0.170 χ^2/NDF : 2336.5/48

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: -67.958 ± 0.397 χ^2/NDF : 278.3/6

Right Out: 43.357 ± 0.865 χ^2/NDF : 156.0/19

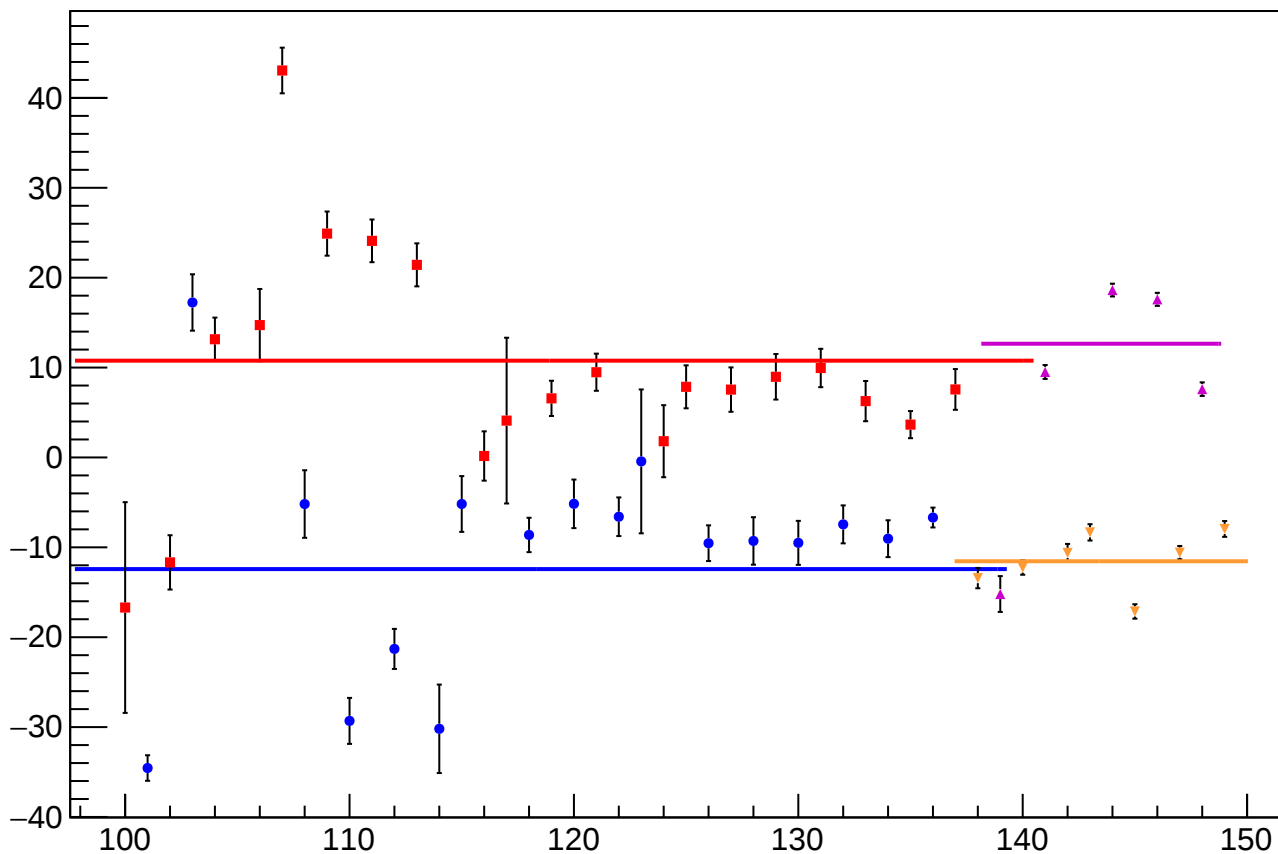
Left In: 69.504 ± 0.445 χ^2/NDF : 178.8/4

-63.389 ± 0.359 χ^2/NDF : 1100.2/23

-5.992 ± 0.266 χ^2/NDF : 59036.2/48

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 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -11.550 ± 0.329 χ^2/NDF : 83.7/6

Right Out: 10.766 ± 0.553 χ^2/NDF : 366.3/19

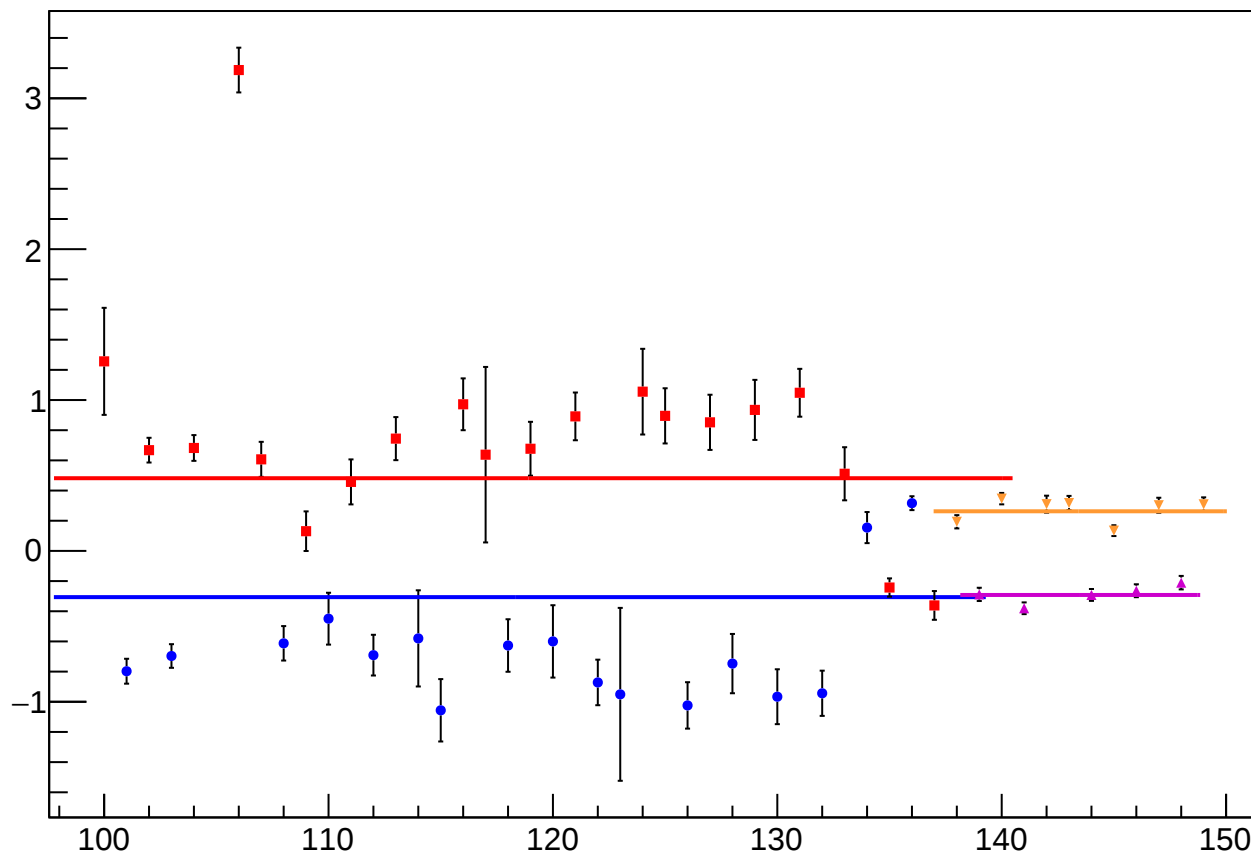
Left In: 12.651 ± 0.364 χ^2/NDF : 372.8/4

-11.797 ± 0.279 χ^2/NDF : 560.0/23

-0.901 ± 0.205 χ^2/NDF : 4658.4/48

12.081 ± 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: 0.263 ± 0.017 χ^2/NDF : 23.8/6

Right Out: 0.482 ± 0.029 χ^2/NDF : 628.3/19

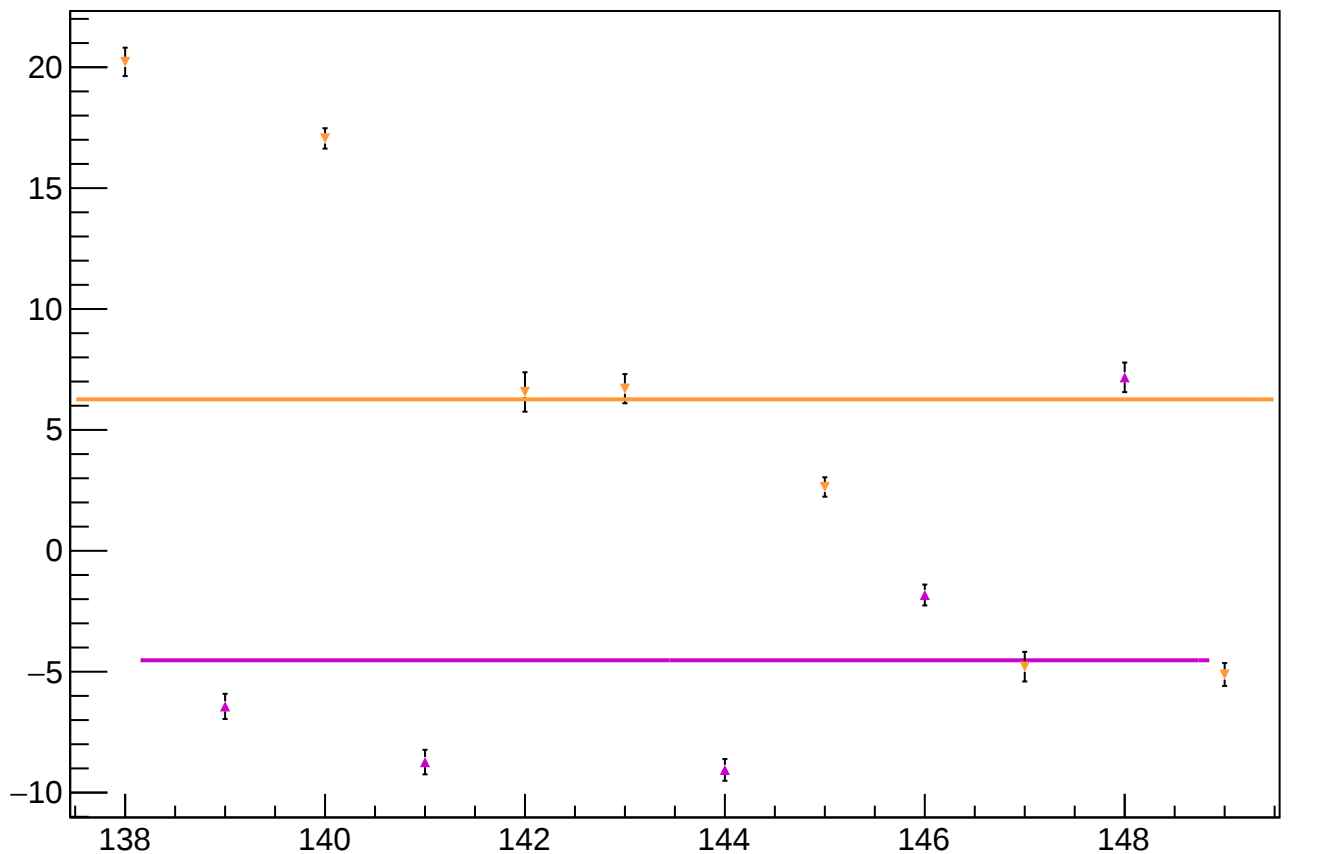
Left In: -0.292 ± 0.019 χ^2/NDF : 8.9/4

0.111 ± 0.014 χ^2/NDF : 708.0/23

0.033 ± 0.011 χ^2/NDF : 1925.5/48

-0.060 ± 0.016 χ^2/NDF : 1151.6/24

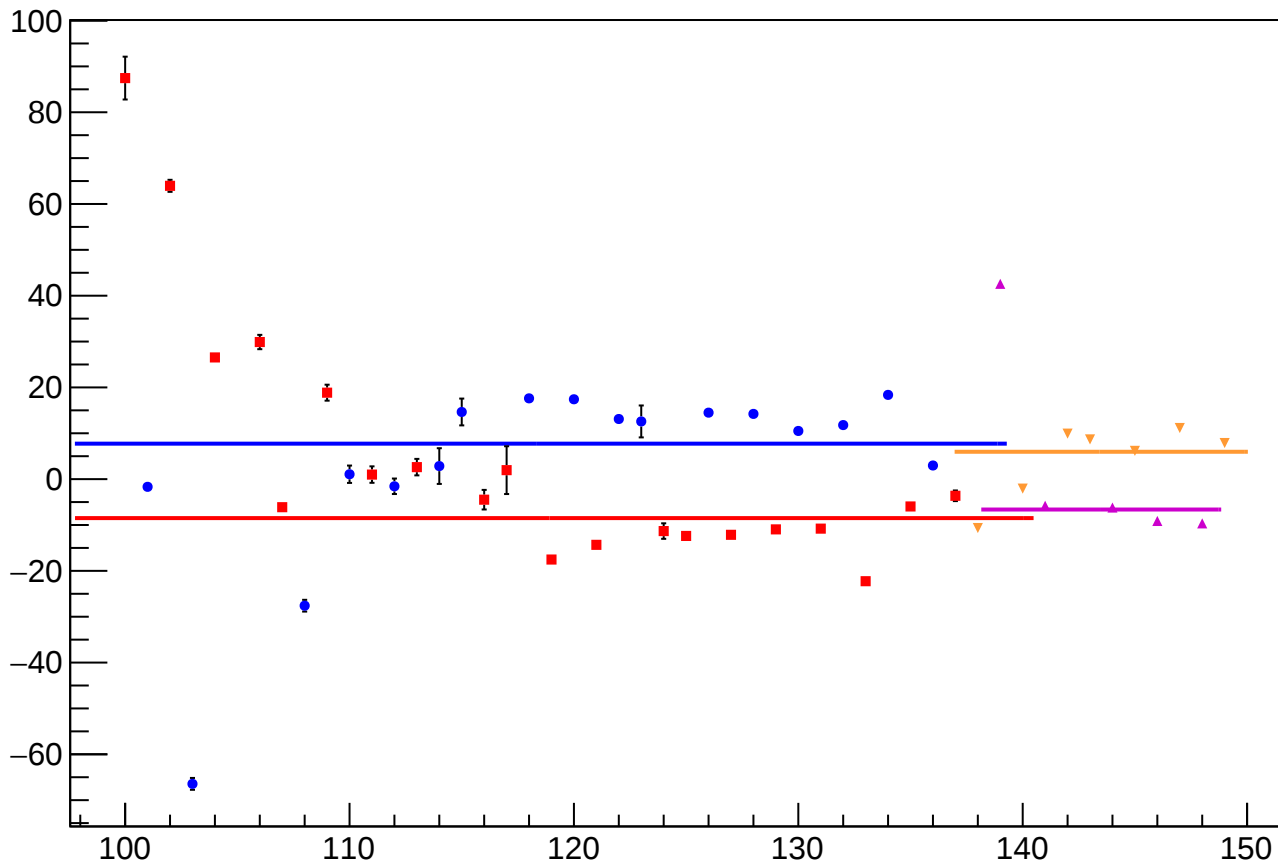
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.263+/-0.196 χ^2/NDF : 2202.7/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.528+/-0.220 χ^2/NDF : 588.5/4

6.263+/-0.196 χ^2/NDF : 2202.7/6
 1.506+/-0.146 χ^2/NDF : 4130.6/11
 -4.528+/-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 χ^2/NDF : 5300.6/16

Left Out: 5.969 ± 0.139 χ^2/NDF : 1755.0/6

Right Out: -8.496 ± 0.213 χ^2/NDF : 6723.5/19

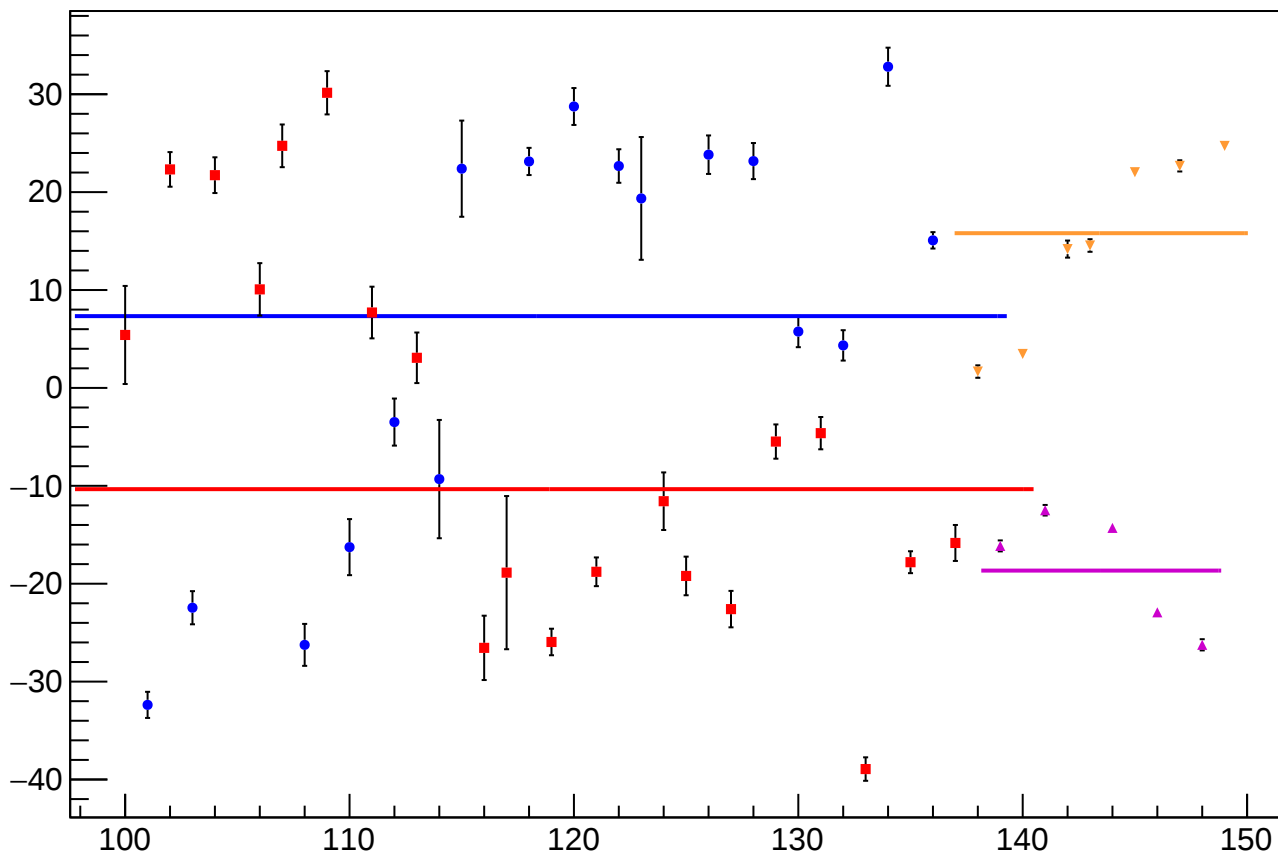
Left In: -6.626 ± 0.154 χ^2/NDF : 2901.5/4

6.478 ± 0.117 χ^2/NDF : 7102.4/23

0.042 ± 0.085 χ^2/NDF : 23236.5/48

-7.267 ± 0.125 χ^2/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: 15.805 ± 0.201 χ^2/NDF : 2016.3/6

Right Out: -10.342 ± 0.416 χ^2/NDF : 2282.7/19

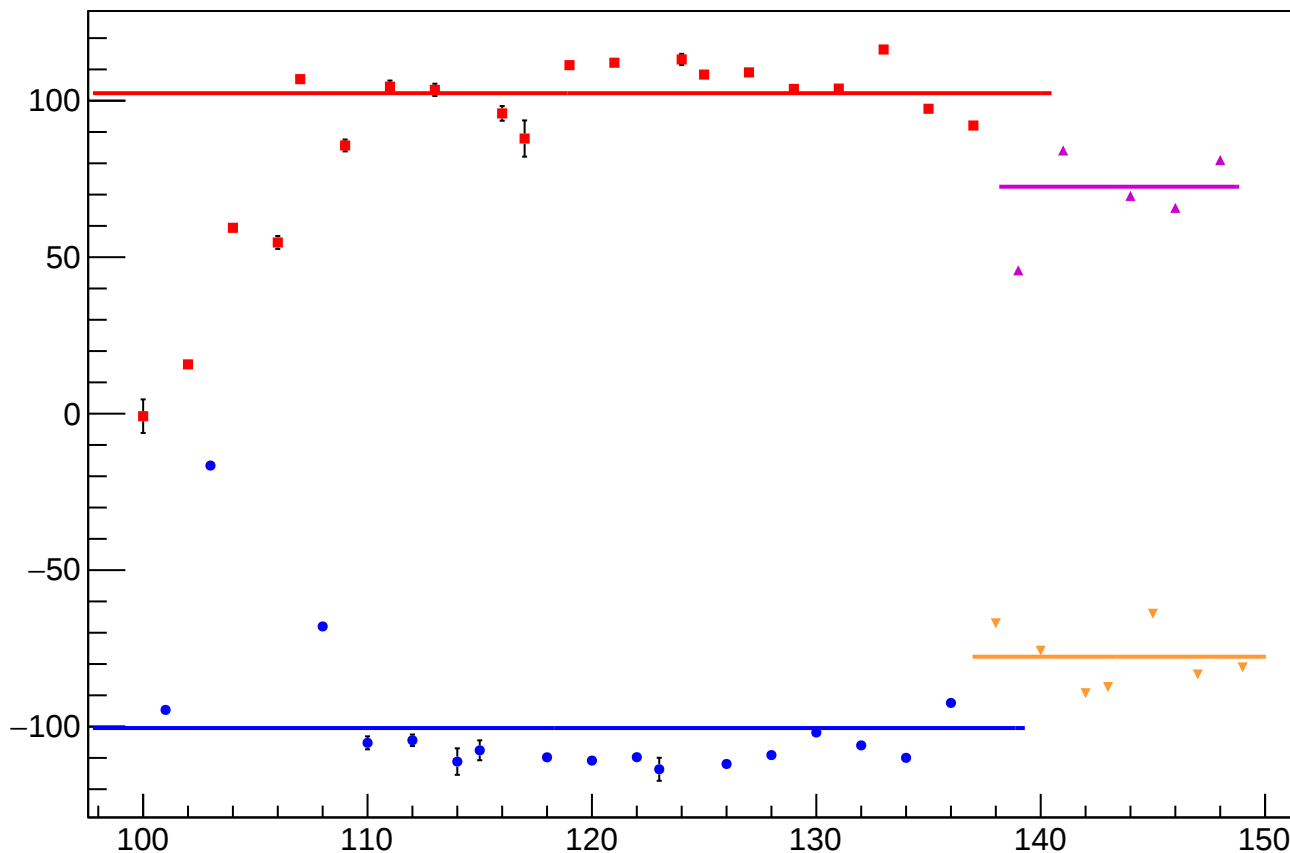
Left In: -18.660 ± 0.225 χ^2/NDF : 512.8/4

14.222 ± 0.181 χ^2/NDF : 4642.6/23

0.105 ± 0.134 χ^2/NDF : 21109.6/48

-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: -77.662+/-0.169 χ^2/NDF :2588.0/6

Right Out: 102.405+/-0.246 χ^2/NDF : 6100.6/19

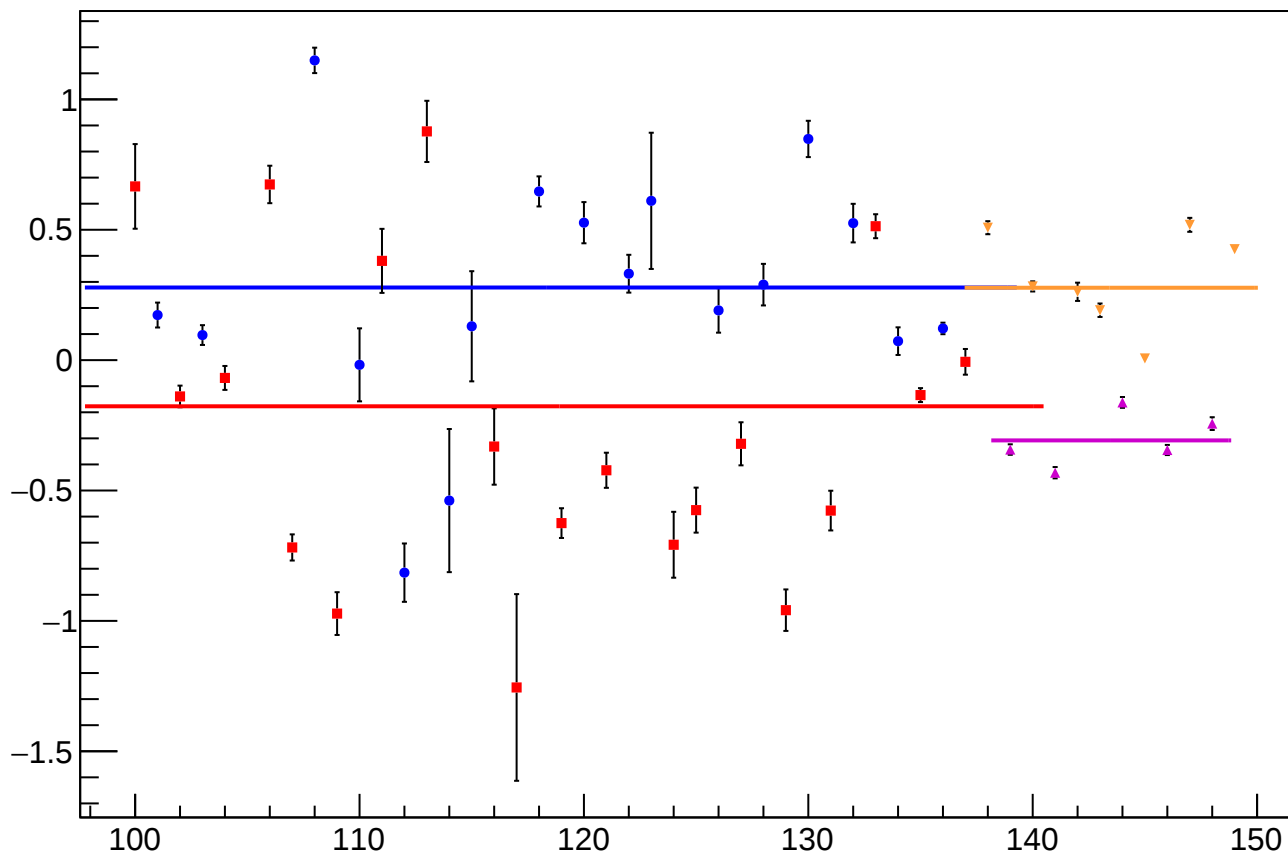
Left In: 72.516+/-0.191 χ^2/NDF :2428.4/4

-84.804+/-0.140 χ^2/NDF : 12724.0/23

-6.524+/-0.103 χ^2/NDF : 700212.0/48

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: 0.278 ± 0.008 χ^2/NDF : 501.4/6

Right Out: -0.177 ± 0.013 χ^2/NDF : 976.8/19

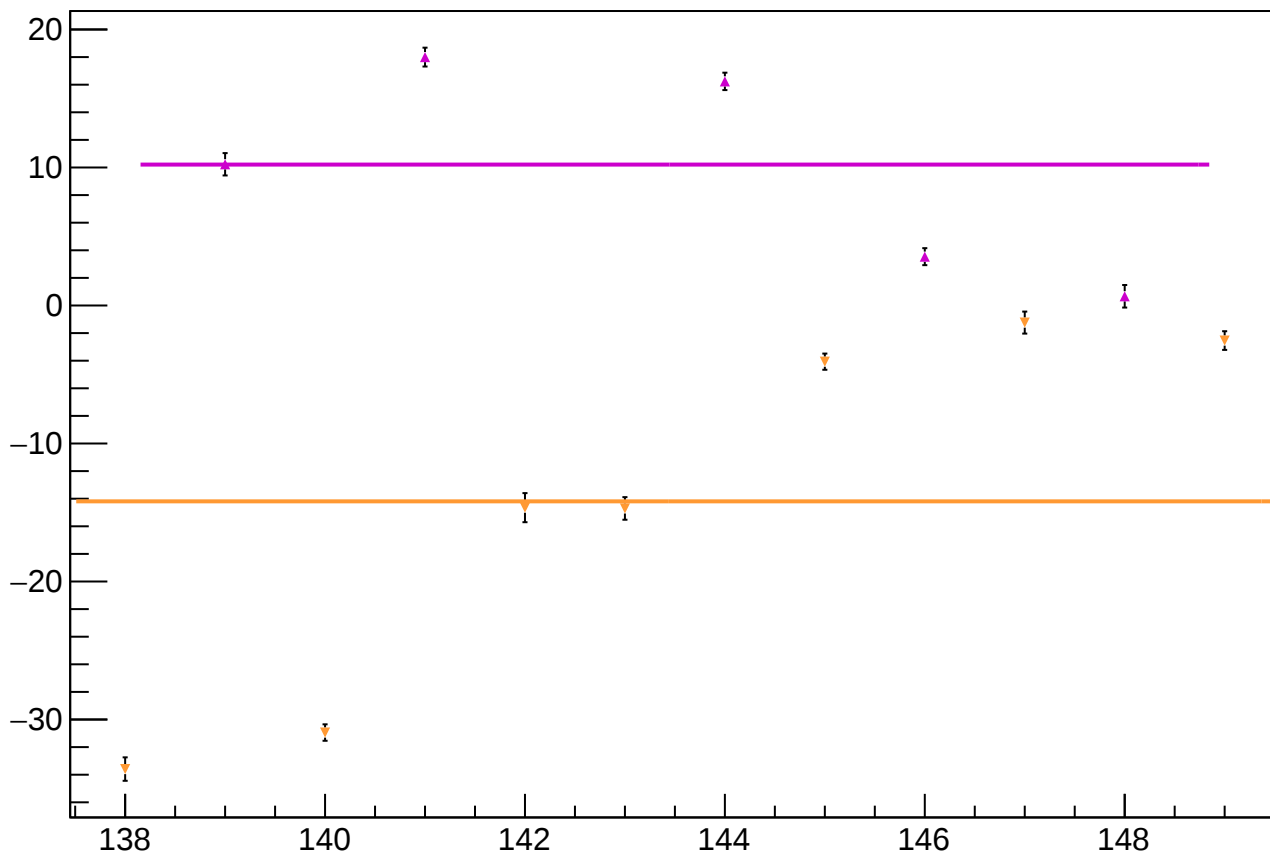
Left In: -0.308 ± 0.009 χ^2/NDF : 95.3/4

0.278 ± 0.007 χ^2/NDF : 1155.3/23

0.029 ± 0.005 χ^2/NDF : 4956.7/48

-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: -14.192±/-0.275 χ^2 /NDF: 2170.3/6

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

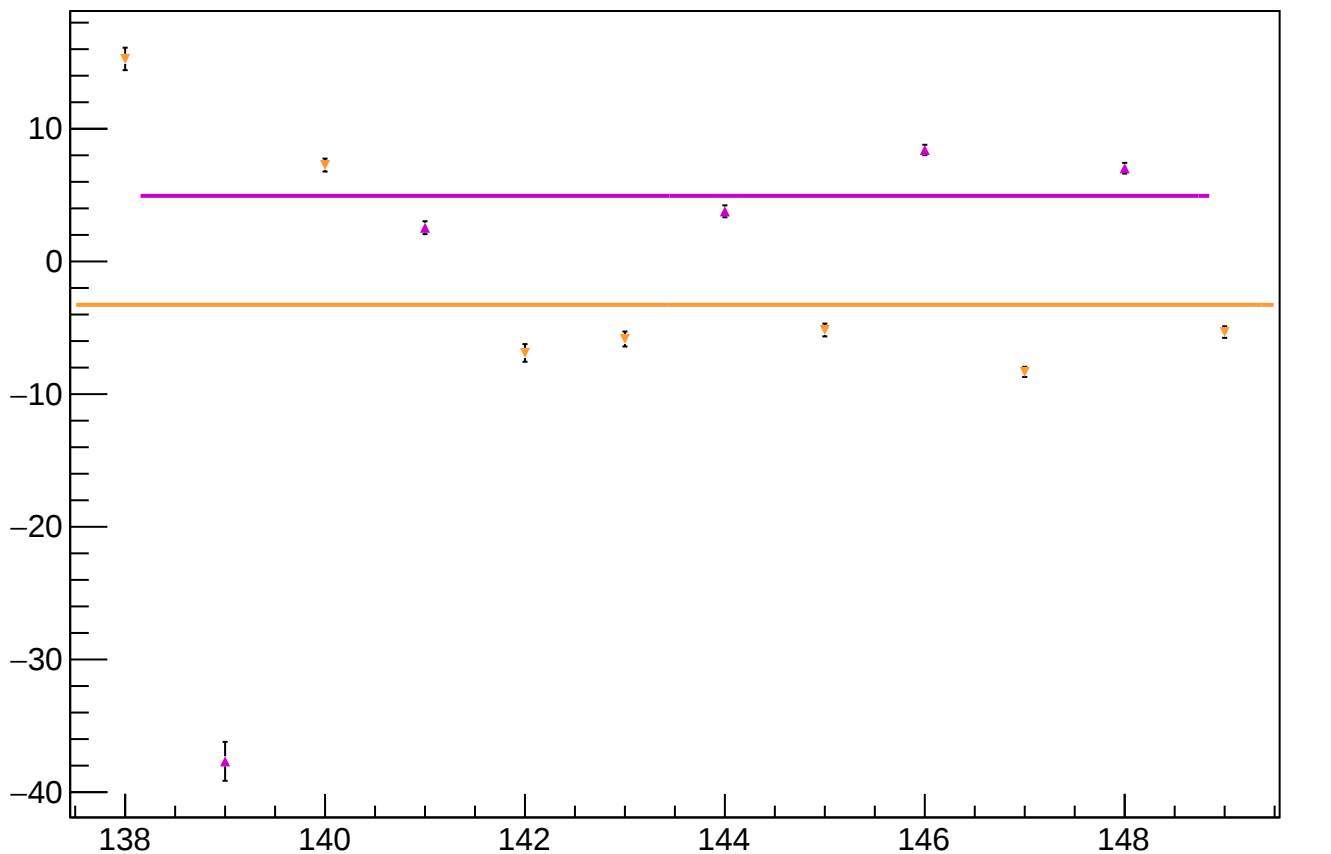
Left In: 10.211±/-0.311 χ^2 /NDF: 475.6/4

-14.192±/-0.275 χ^2 /NDF: 2170.3/6

-3.507±/-0.206 χ^2 /NDF: 6102.2/11

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: -3.269+/-0.191 χ^2/NDF : 1206.8/6

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

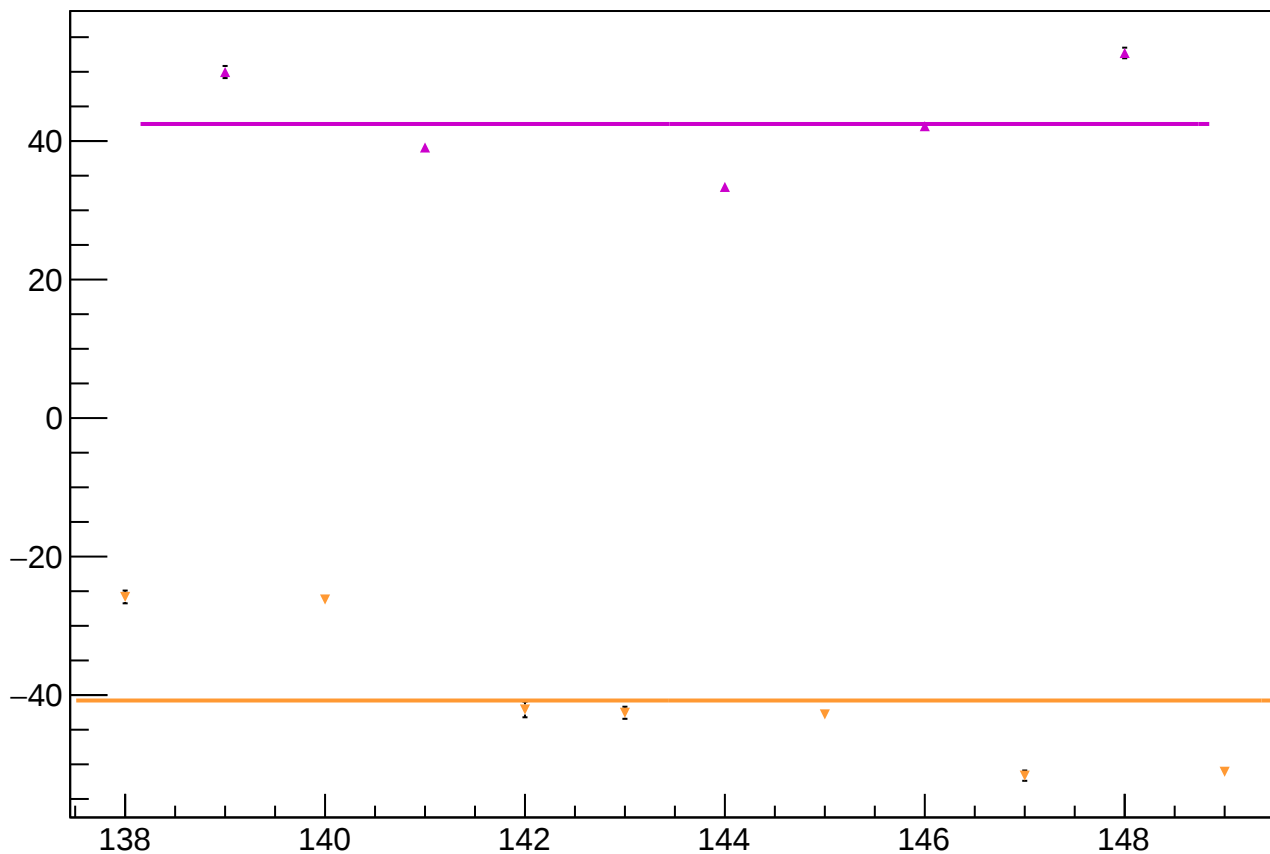
Left In: 4.946+/-0.211 χ^2/NDF : 981.3/4

-3.269+/-0.191 χ^2/NDF : 1206.8/6

0.424+/-0.142 χ^2/NDF : 3019.4/11

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: -40.783+/-0.281 χ^2/NDF : 1283.9/6

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

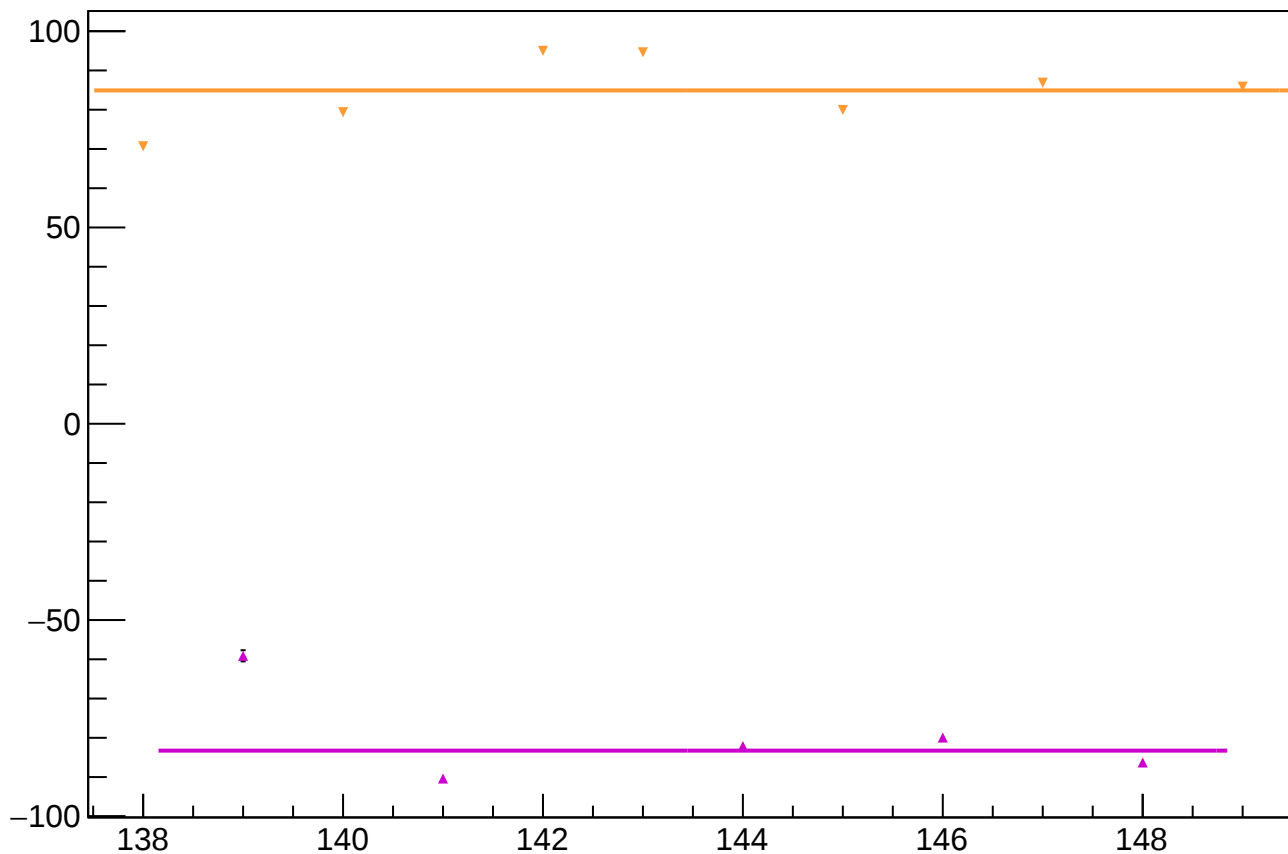
Left In: 42.466+/-0.317 χ^2/NDF : 455.9/4

-40.783+/-0.281 χ^2/NDF : 1283.9/6

-4.119+/-0.210 χ^2/NDF : 40366.5/11

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: 84.914+/-0.235 χ^2/NDF : 763.0/6

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

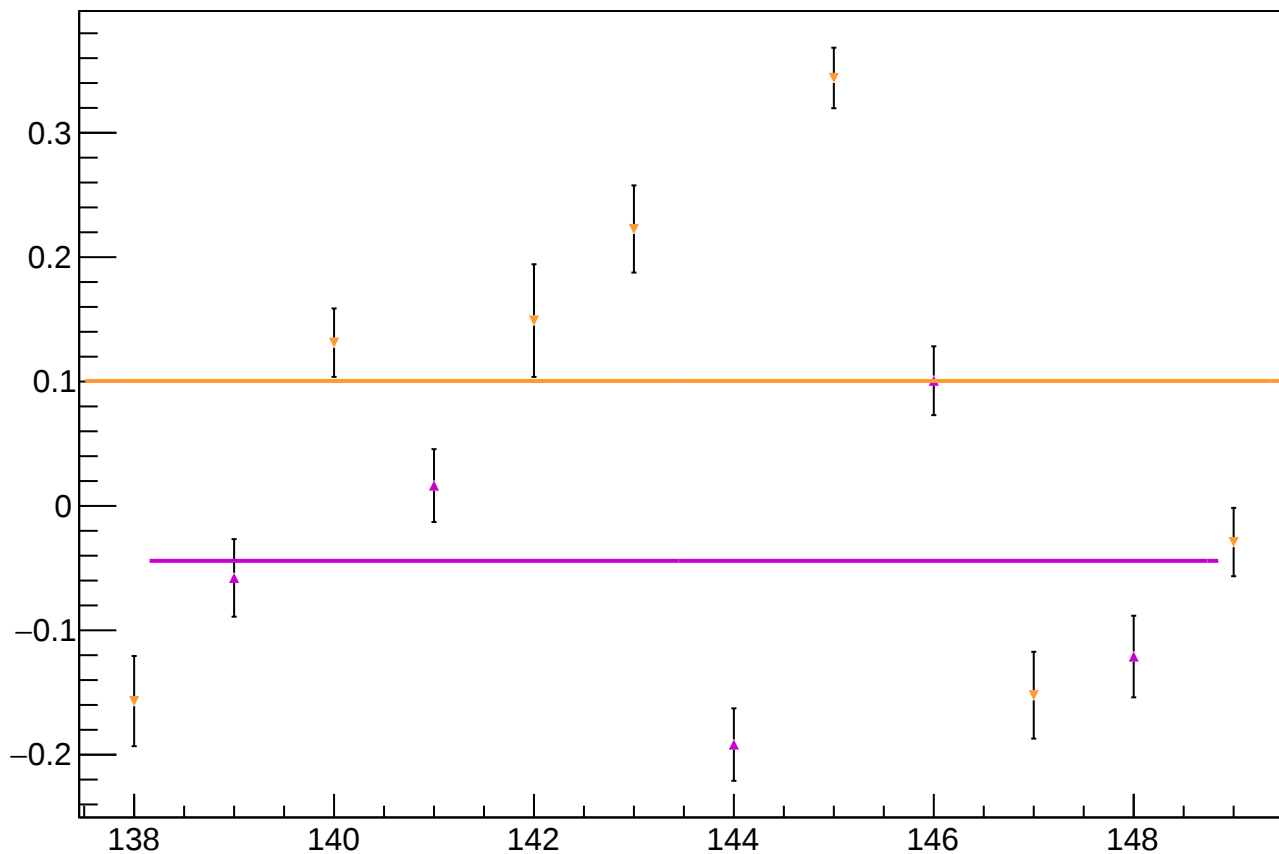
Left In: -83.265+/-0.264 χ^2/NDF : 520.6/4

84.914+/-0.235 χ^2/NDF : 763.0/6

10.607+/-0.175 χ^2/NDF : 228440.9/11

-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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.100 $\pm$ 0.012 χ^2 /NDF: 239.8/6

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

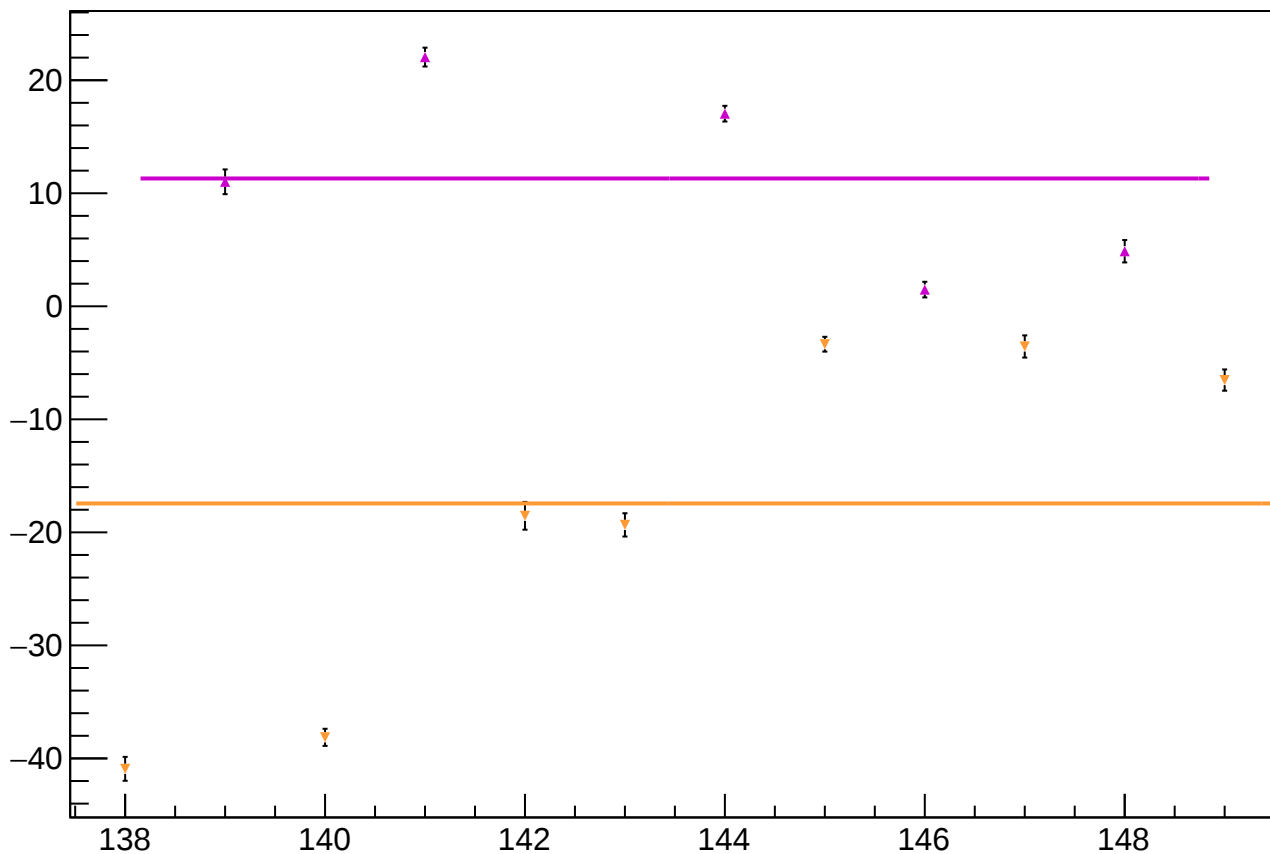
Left In: -0.044 $\pm$ 0.013 χ^2 /NDF: 63.1/4

0.100 $\pm$ 0.012 χ^2 /NDF: 239.8/6

0.037 $\pm$ 0.009 χ^2 /NDF: 368.8/11

-0.044 $\pm$ 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: -17.444+/-0.338 χ^2/NDF :2040.9/6

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

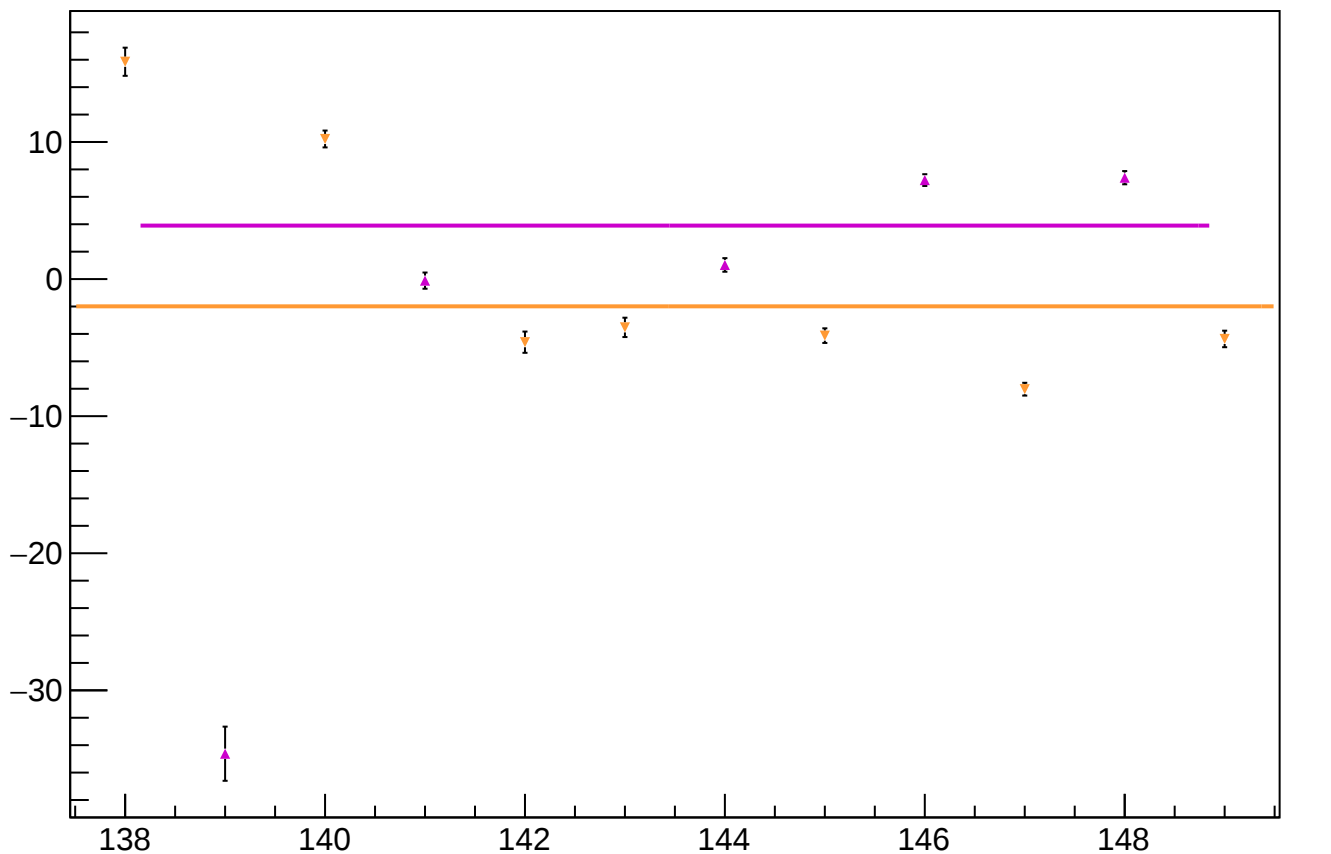
Left In: 11.308+/-0.366 χ^2/NDF :478.3/4

-17.444+/-0.338 χ^2/NDF : 2040.9/6

-4.211+/-0.248 χ^2/NDF : 5844.9/11

11.308+/-0.366 χ^2/NDF : 478.3/4

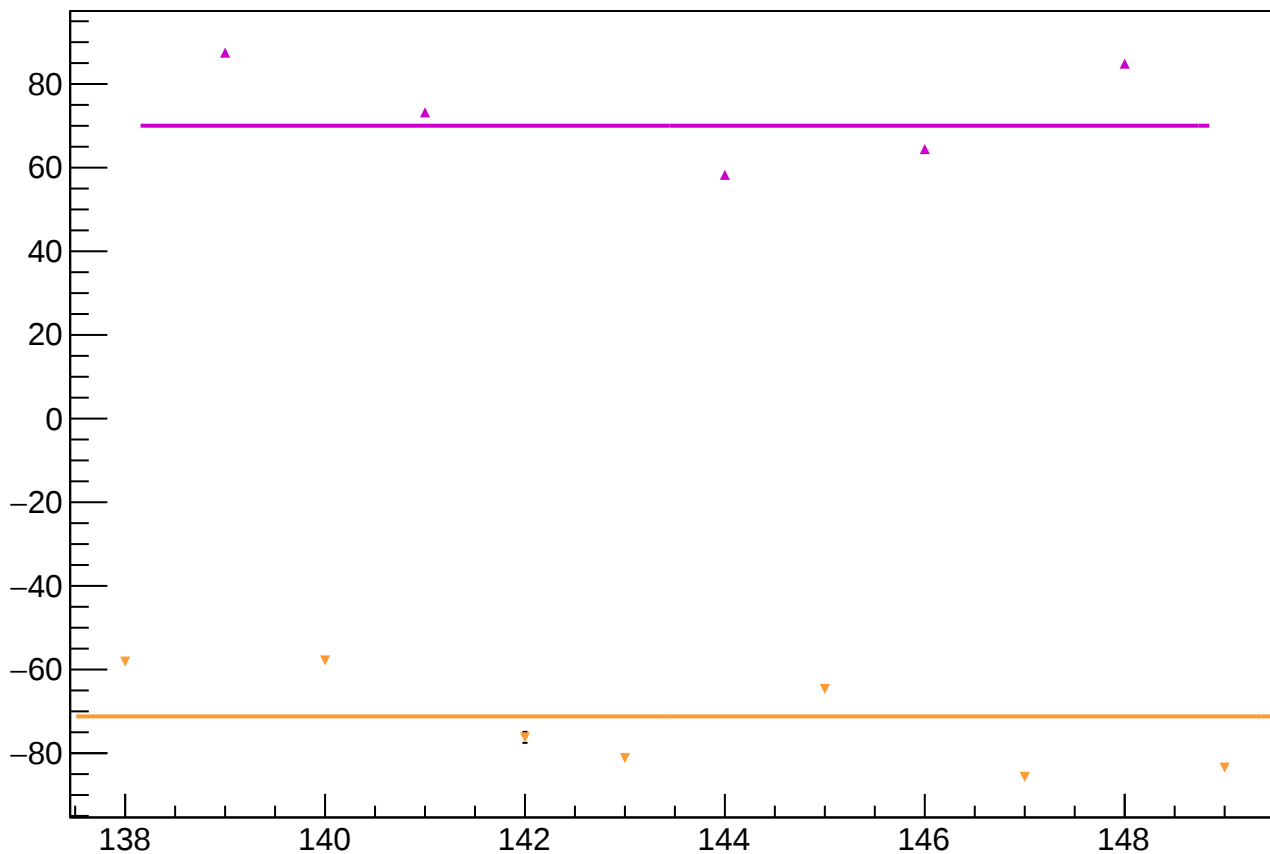
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.989+/-0.235 χ^2/NDF : 912.0/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.901+/-0.243 χ^2/NDF : 572.2/4

-1.989+/-0.235 χ^2/NDF : 912.0/6
 0.854+/-0.169 χ^2/NDF : 1787.7/11
 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: -71.208+/-0.348 χ^2/NDF : 1034.8/6

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

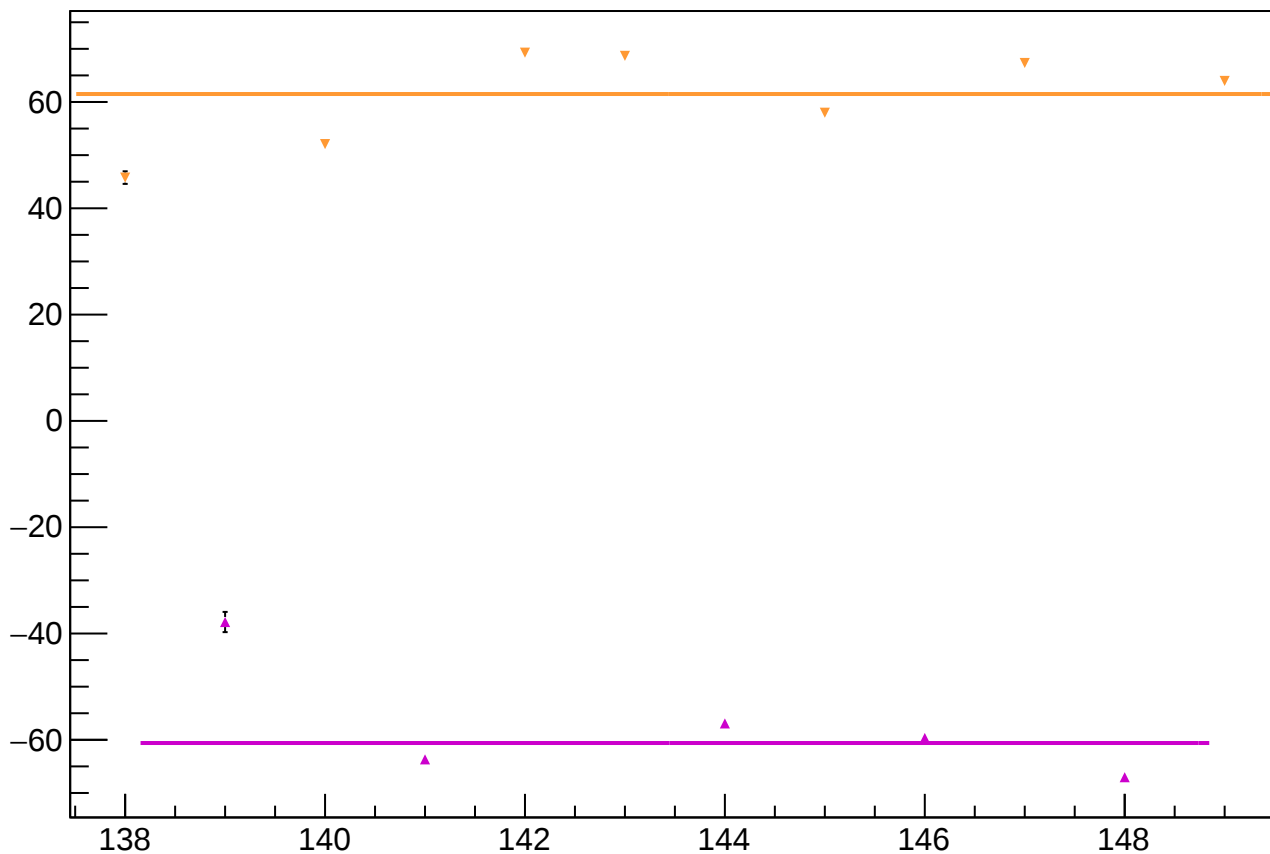
Left In: 70.028+/-0.372 χ^2/NDF : 806.4/4

-71.208+/-0.348 χ^2/NDF : 1034.8/6

-5.362+/-0.254 χ^2/NDF : 78663.0/11

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: 61.499+/-0.289 χ^2/NDF : 603.5/6

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

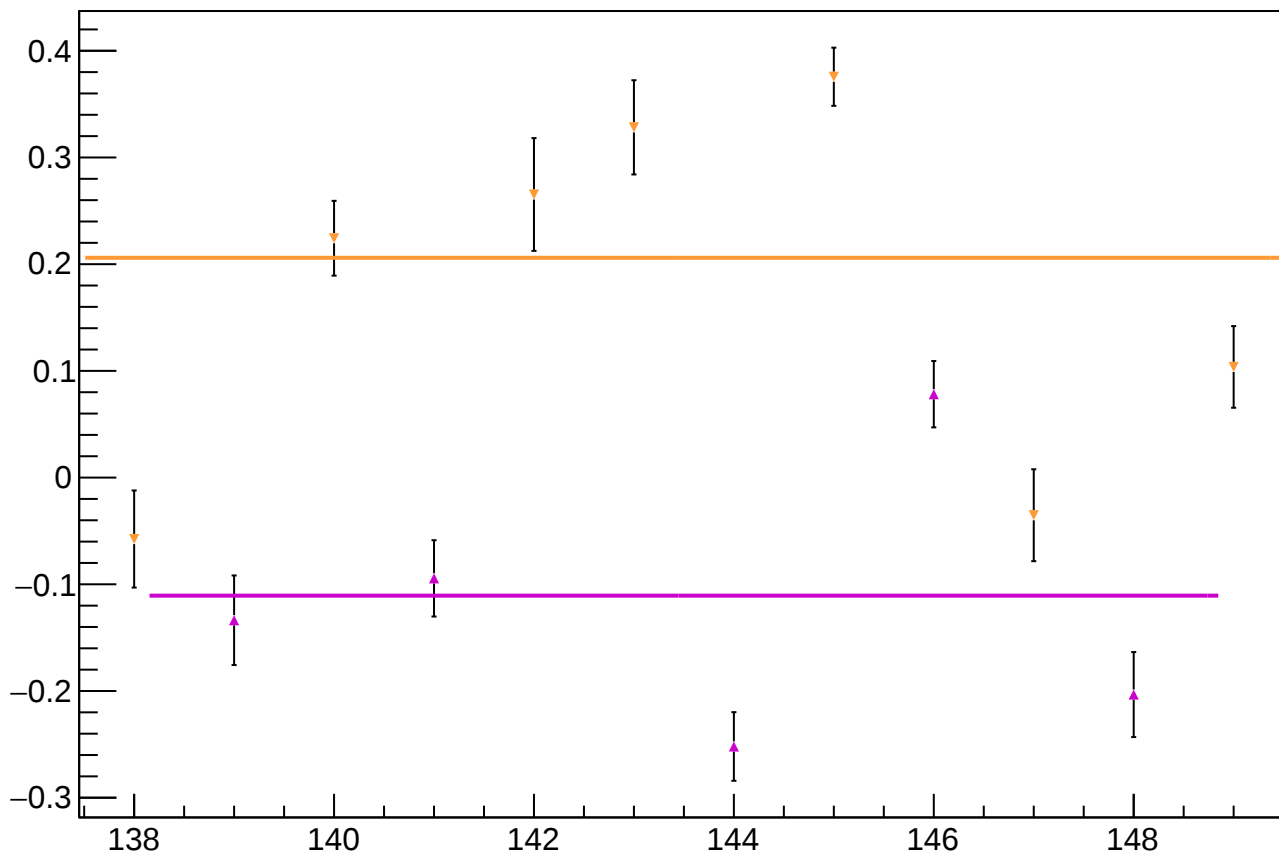
Left In: -60.600+/-0.305 χ^2/NDF : 295.4/4

61.499+/-0.289 χ^2/NDF : 603.5/6

3.719+/-0.210 χ^2/NDF : 85519.9/11

-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: 0.206 $\pm$ 0.015 χ^2 /NDF:120.0/6

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

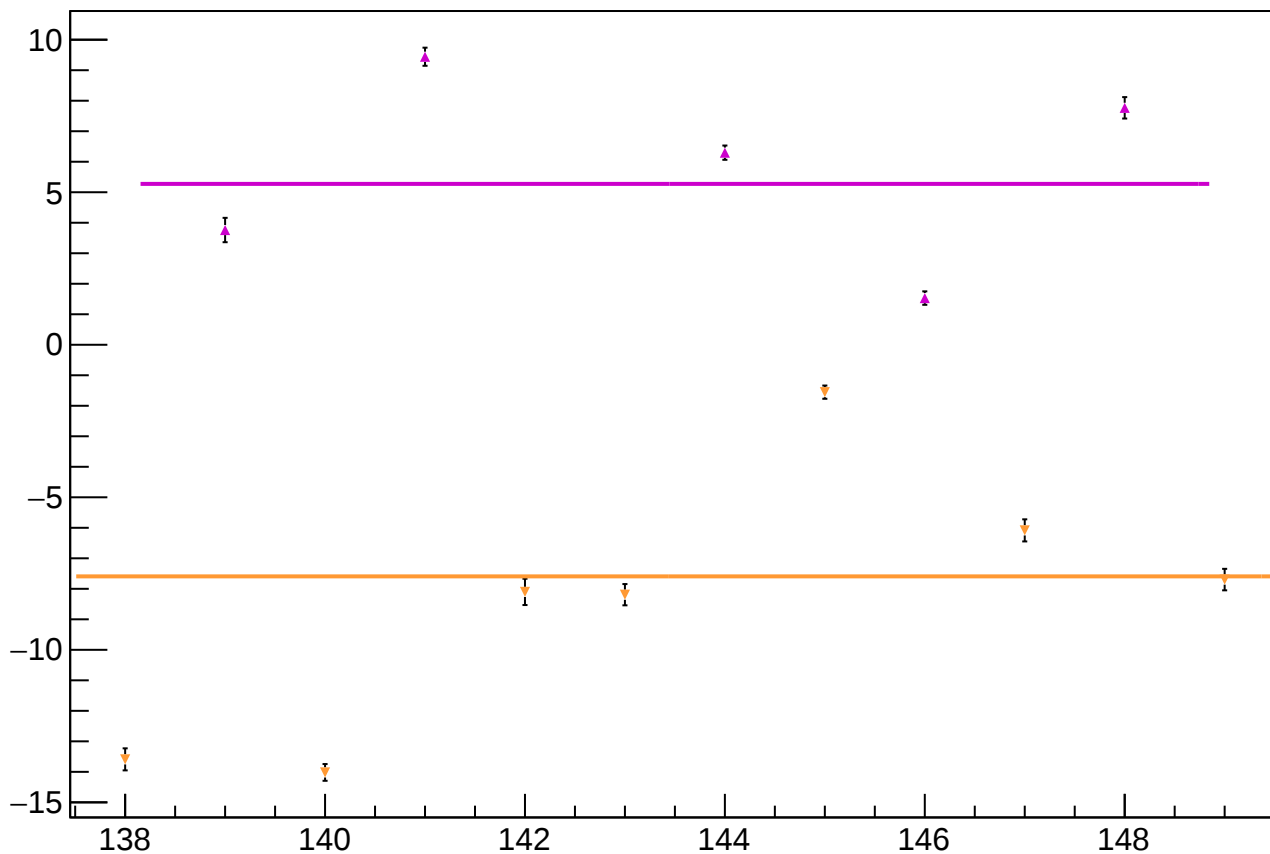
Left In: -0.111 $\pm$ 0.016 χ^2 /NDF:62.1/4

0.206 $\pm$ 0.015 χ^2 /NDF: 120.0/6

0.061 $\pm$ 0.011 χ^2 /NDF: 399.1/11

-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: -7.592+/-0.118 χ^2/NDF : 1619.0/6

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

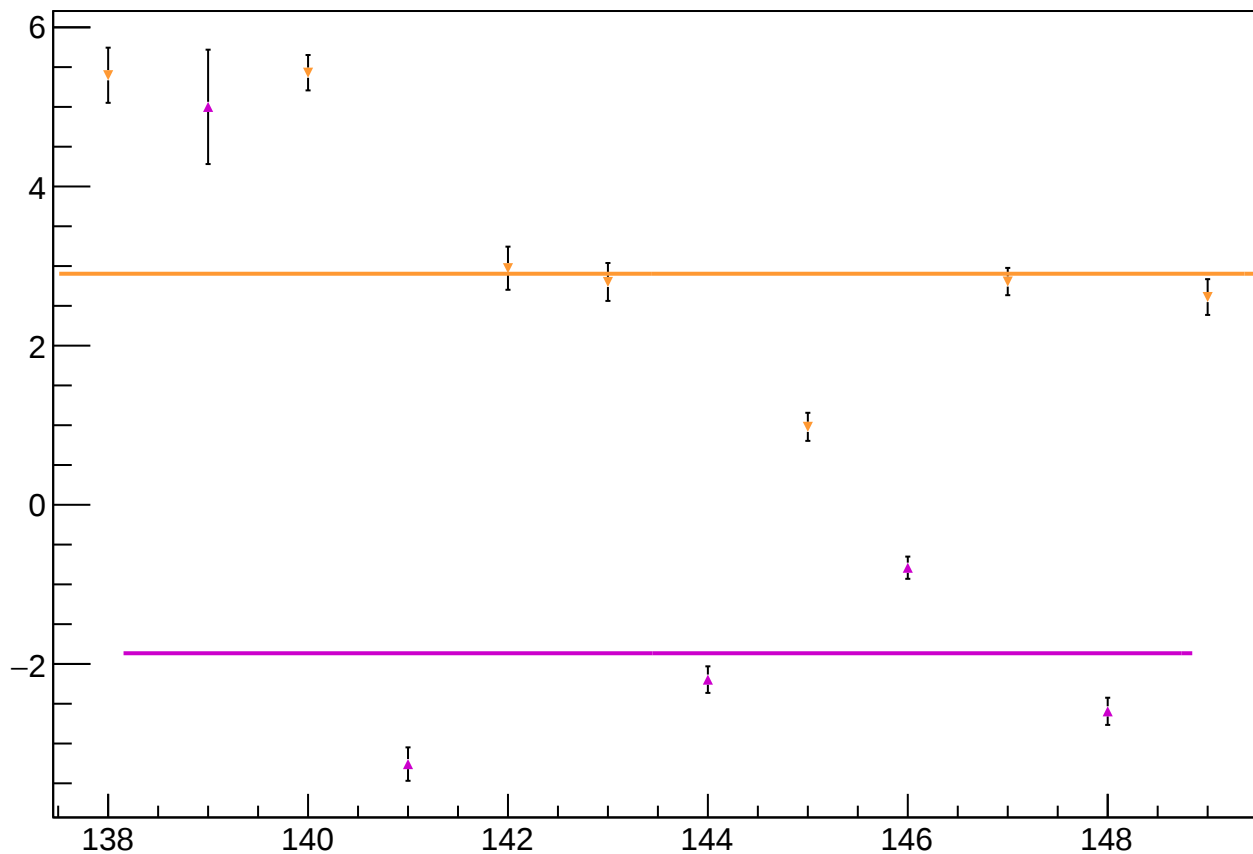
Left In: 5.274+/-0.125 χ^2/NDF : 568.2/4

-7.592+/-0.118 χ^2/NDF : 1619.0/6

-1.489+/-0.086 χ^2/NDF : 7797.5/11

5.274+/-0.125 χ^2/NDF : 568.2/4

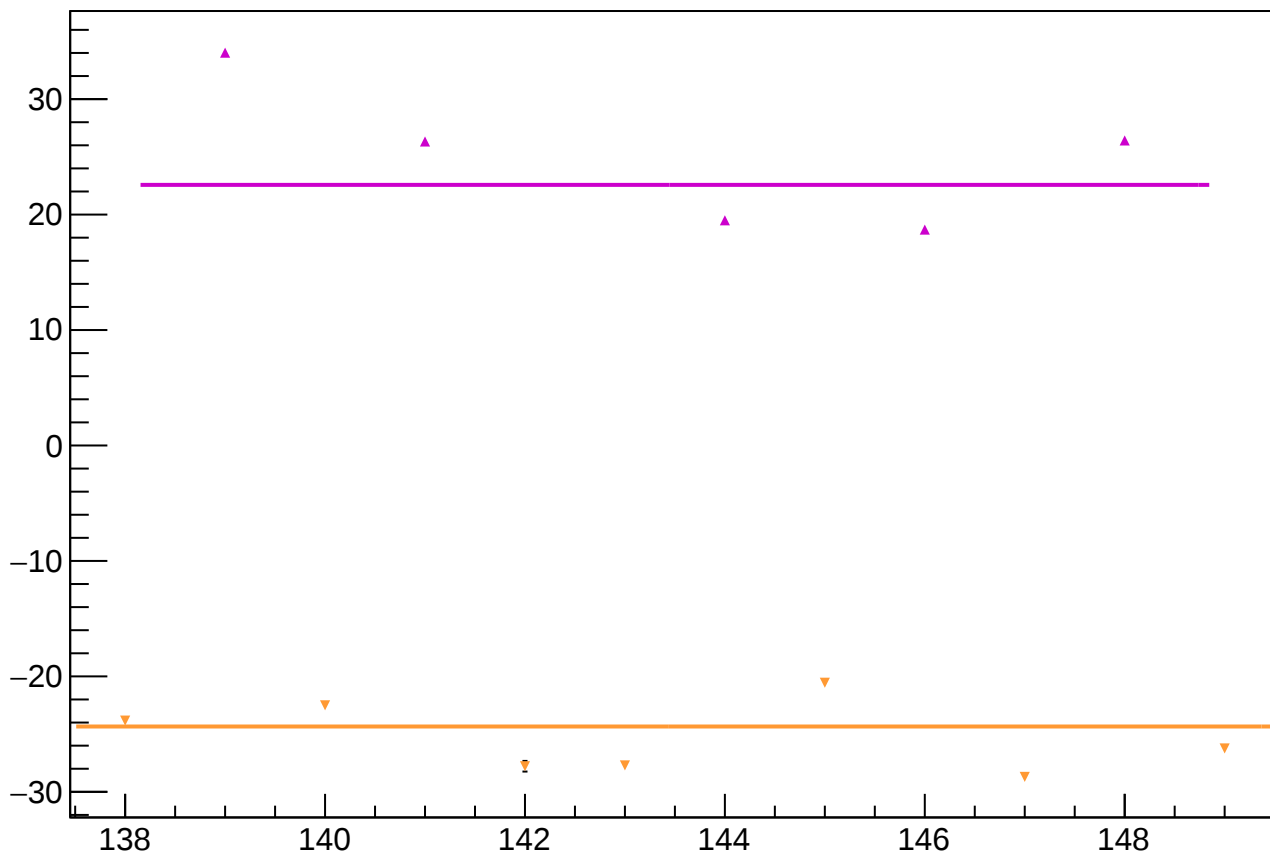
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.904+/-0.083 χ^2/NDF :302.3/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.866+/-0.083 χ^2/NDF :216.7/4

2.904+/-0.083 χ^2/NDF : 302.3/6
 0.517+/-0.059 χ^2/NDF : 2178.6/11
 -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: -24.342+/-0.122 χ^2/NDF : 649.4/6

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

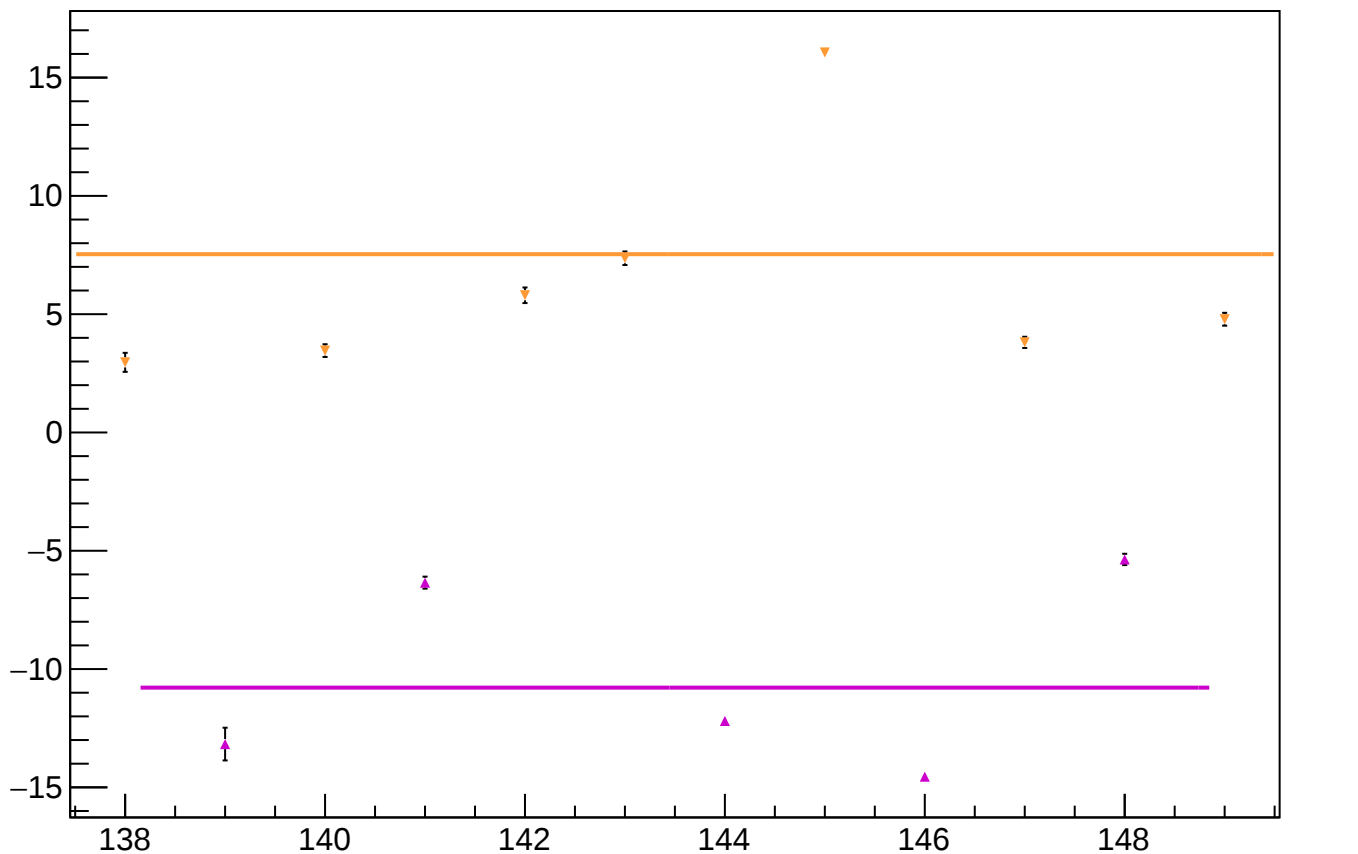
Left In: 22.573+/-0.126 χ^2/NDF : 1461.7/4

-24.342+/-0.122 χ^2/NDF : 649.4/6

-1.662+/-0.088 χ^2/NDF : 73349.5/11

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: 7.535+/-0.102 χ^2/NDF : 2498.0/6

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

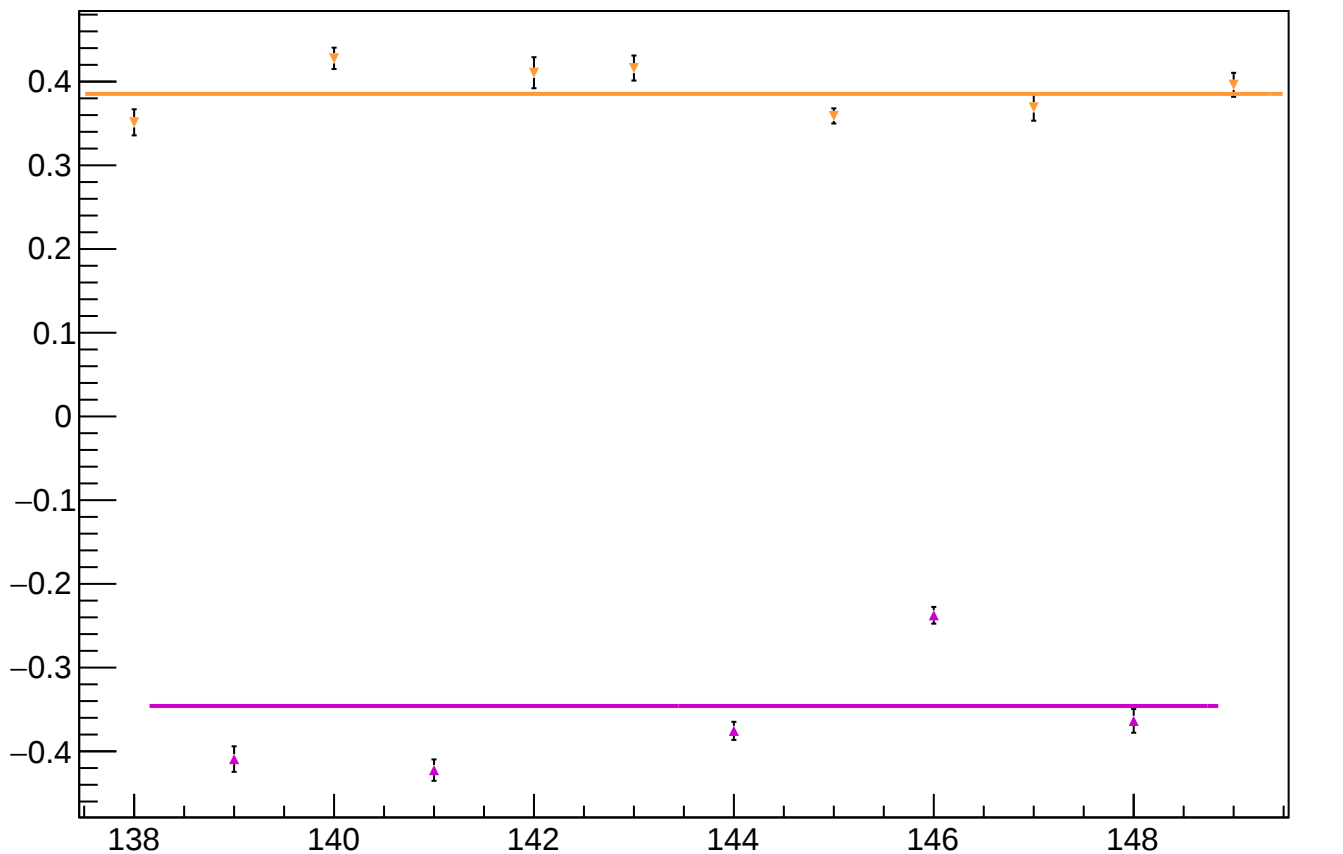
Left In: -10.786+/-0.103 χ^2/NDF : 1345.9/4

7.535+/-0.102 χ^2/NDF : 2498.0/6

-1.451+/-0.072 χ^2/NDF : 19811.2/11

-10.786+/-0.103 χ^2/NDF : 1345.9/4

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.385 $\pm$ 0.005 χ^2 /NDF:32.0/6

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

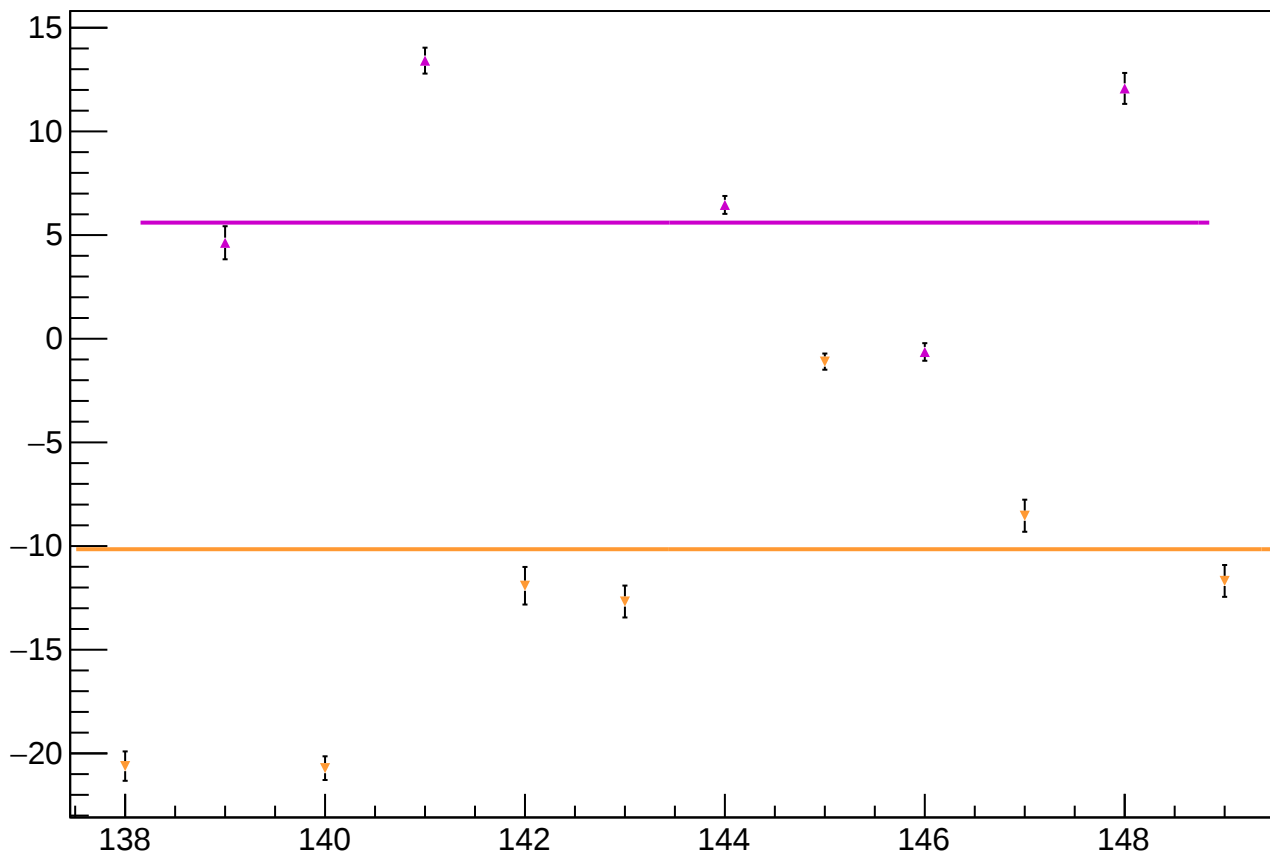
Left In: -0.346 $\pm$ 0.005 χ^2 /NDF:180.1/4

0.385 $\pm$ 0.005 χ^2 /NDF: 32.0/6

0.043 $\pm$ 0.004 χ^2 /NDF: 9885.8/11

-0.346 $\pm$ 0.005 χ^2 /NDF: 180.1/4

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.152 $\pm$ 0.236 χ^2 /NDF: 1120.4/6

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

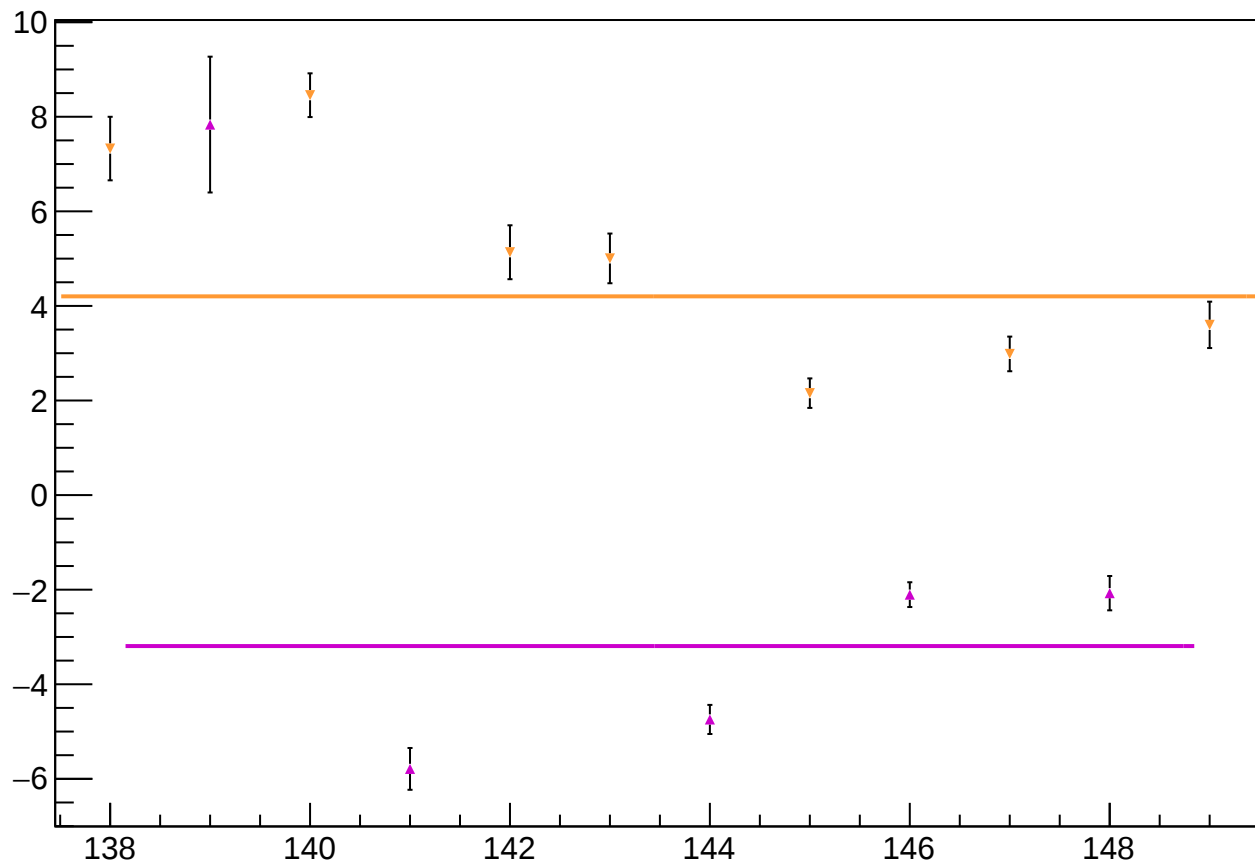
Left In: 5.601 $\pm$ 0.244 χ^2 /NDF: 453.1/4

-10.152 $\pm$ 0.236 χ^2 /NDF: 1120.4/6

-2.515 $\pm$ 0.170 χ^2 /NDF: 3726.8/11

5.601 $\pm$ 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: 4.202+/-0.168 χ^2/NDF : 166.9/6

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

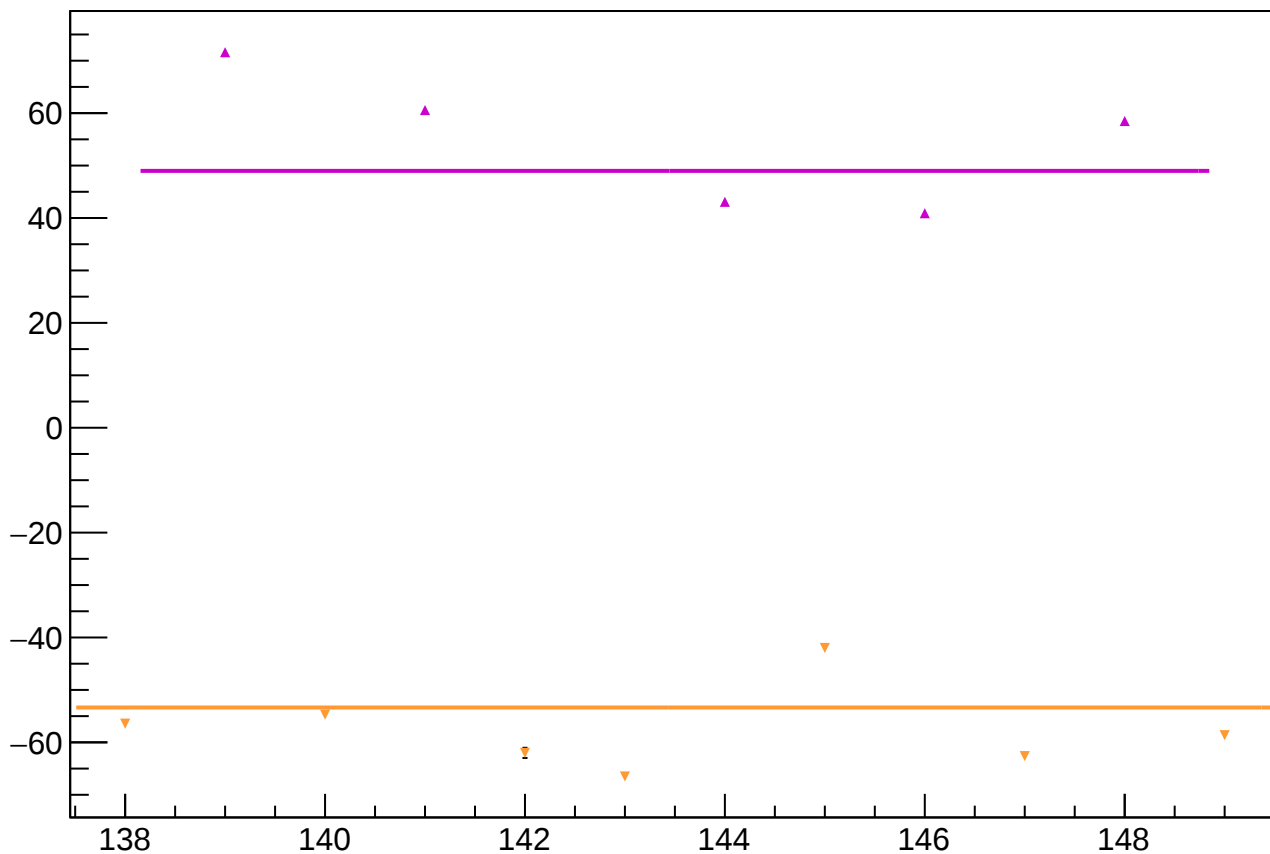
Left In: -3.192+/-0.162 χ^2/NDF : 145.7/4

4.202+/-0.168 χ^2/NDF : 166.9/6

0.362+/-0.116 χ^2/NDF : 1319.9/11

-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: -53.351+/-0.246 χ^2/NDF :1321.9/6

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

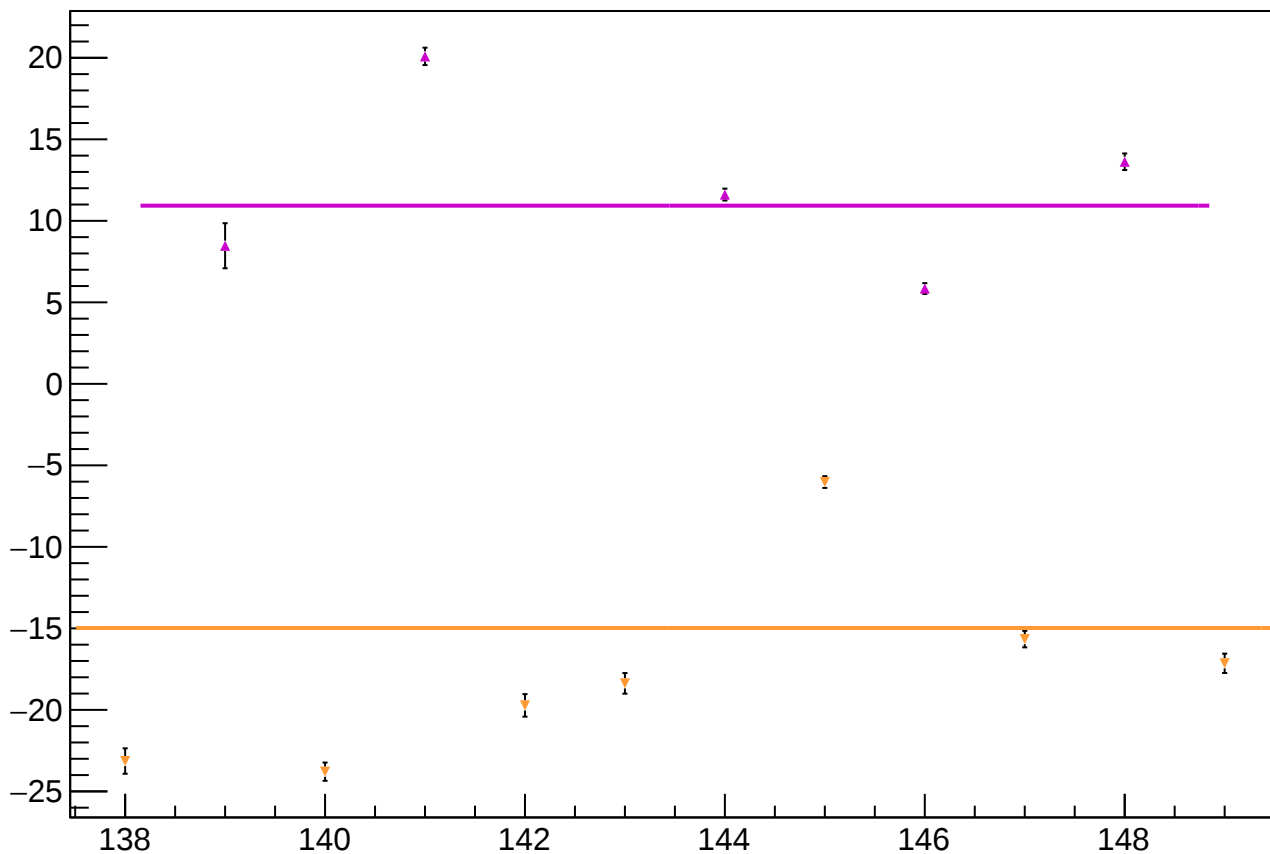
Left In: 48.988+/-0.247 χ^2/NDF :1731.4/4

-53.351+/-0.246 χ^2/NDF : 1321.9/6

-2.576+/-0.174 χ^2/NDF : 89205.3/11

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: -14.974+/-0.205 χ^2/NDF : 1063.8/6

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

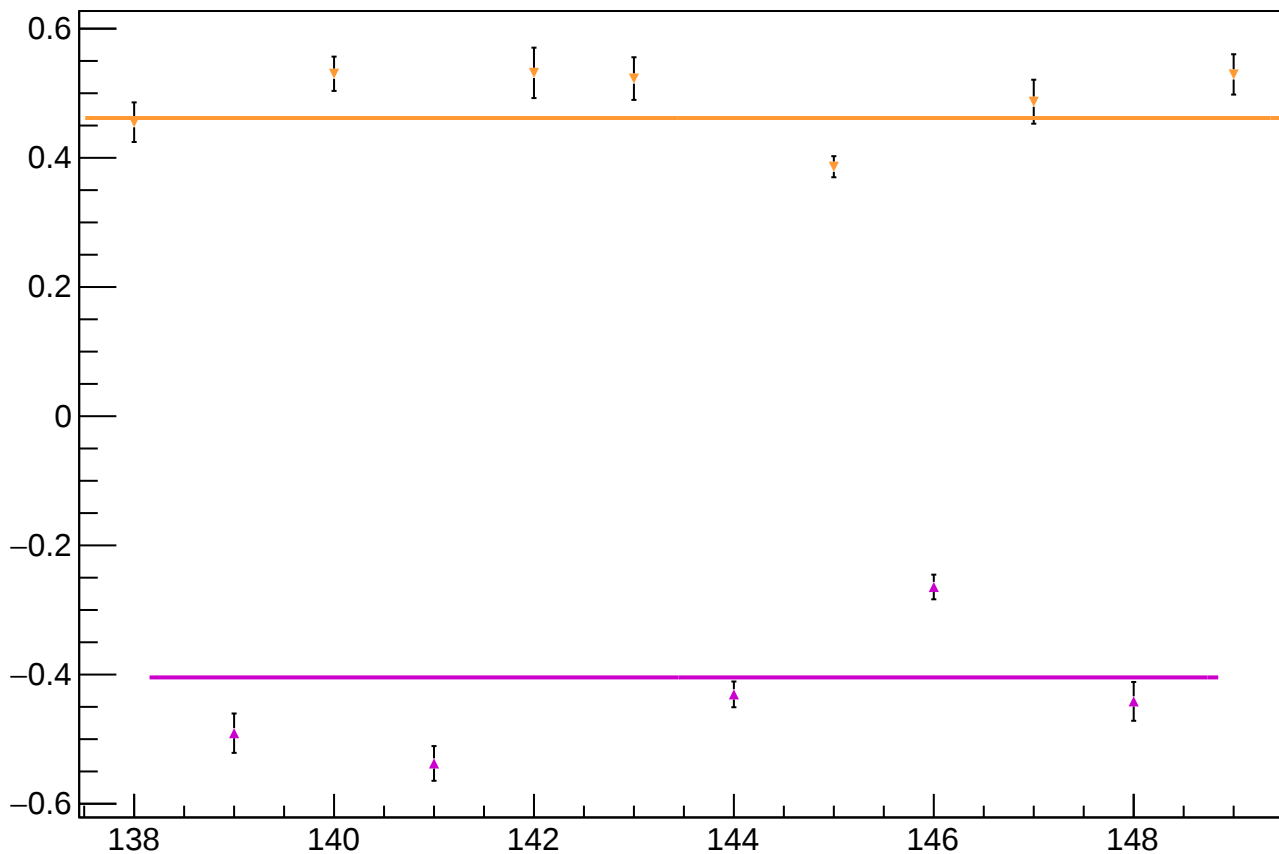
Left In: 10.931+/-0.202 χ^2/NDF : 564.7/4

-14.974+/-0.205 χ^2/NDF : 1063.8/6

-1.839+/-0.144 χ^2/NDF : 9740.4/11

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: 0.462+/-0.010 χ^2/NDF : 39.9/6

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

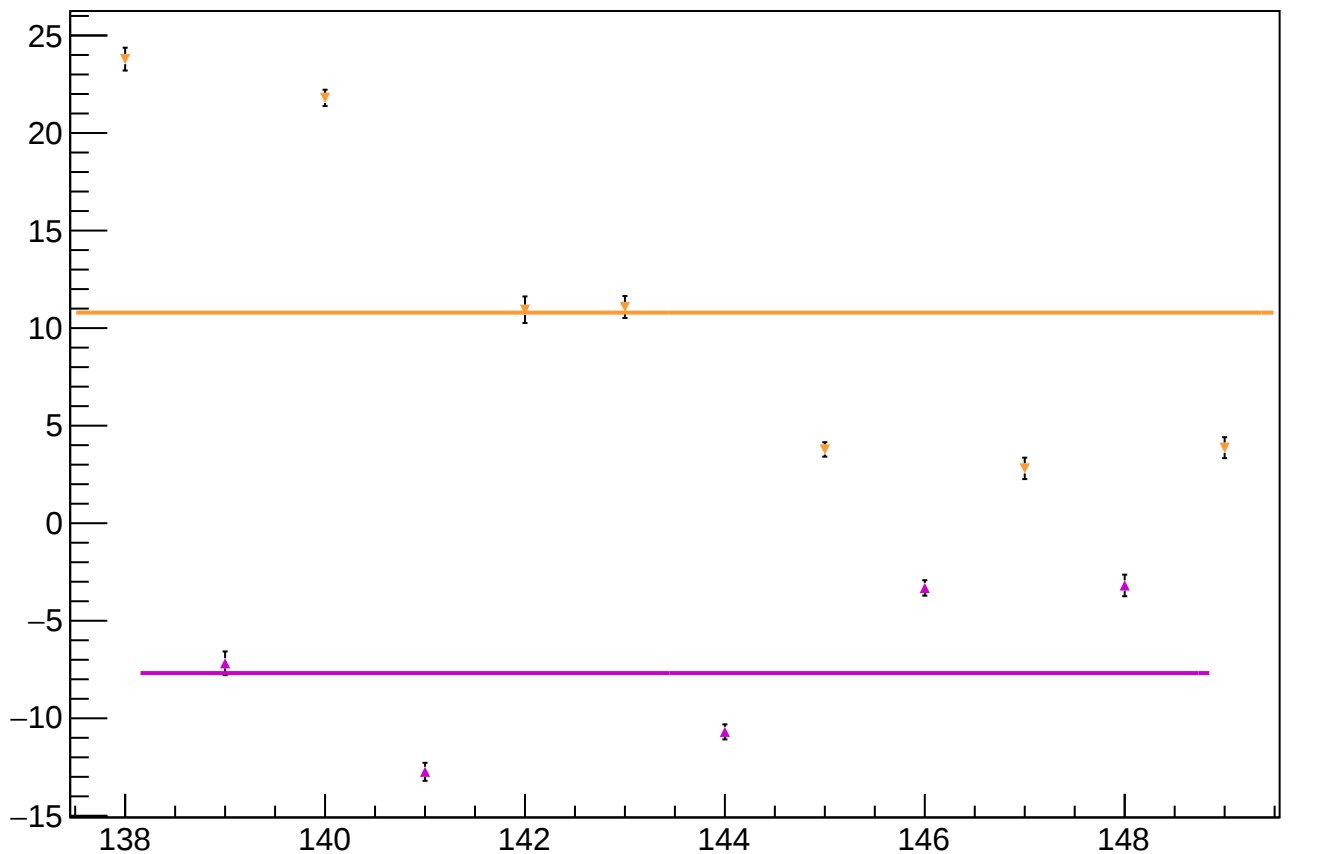
Left In: -0.404+/-0.011 χ^2/NDF : 89.6/4

0.462+/-0.010 χ^2/NDF : 39.9/6

0.049+/-0.007 χ^2/NDF : 3597.7/11

-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: 10.794+/-0.189 χ^2/NDF :1921.2/6

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

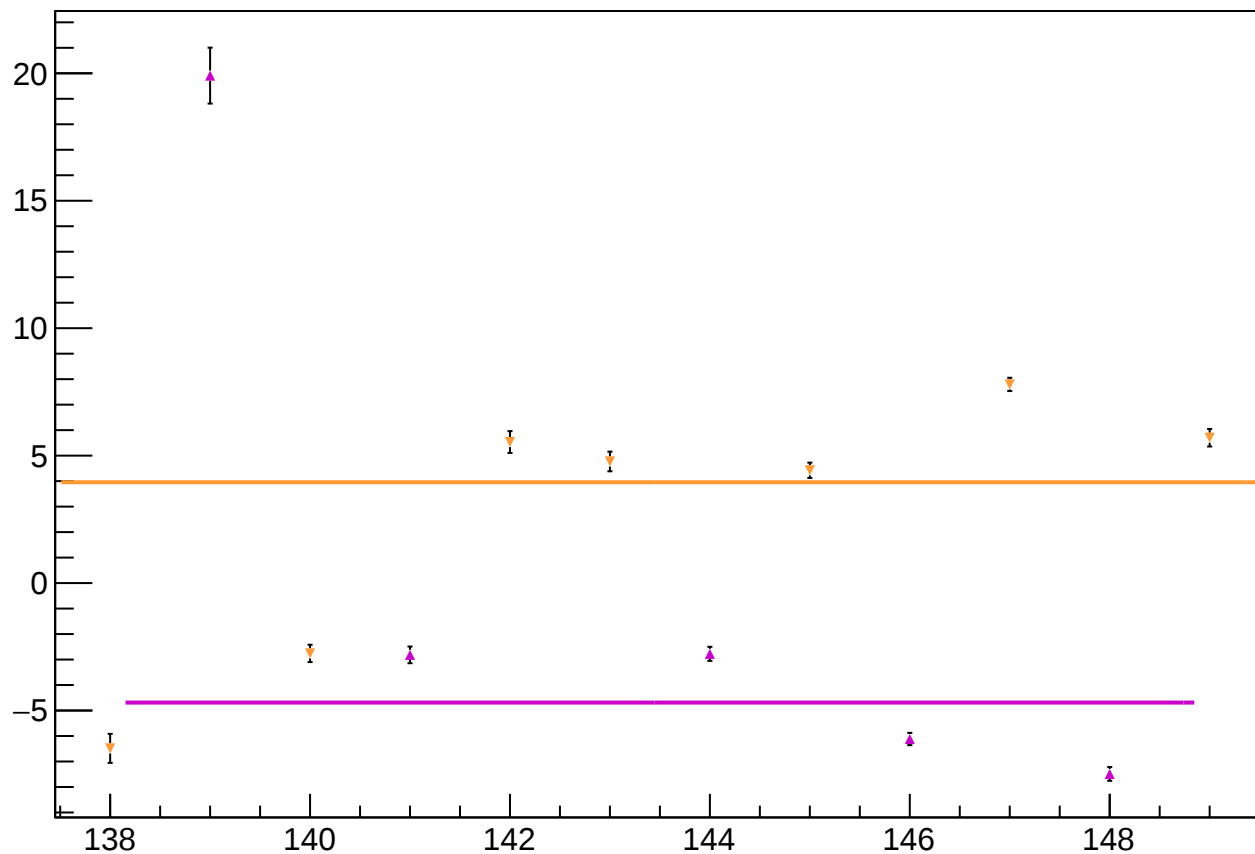
Left In: -7.682+/-0.205 χ^2/NDF :369.5/4

10.794+/-0.189 χ^2/NDF : 1921.2/6

2.323+/-0.139 χ^2/NDF : 6682.1/11

-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: 3.957+/-0.131 χ^2/NDF : 990.6/6

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

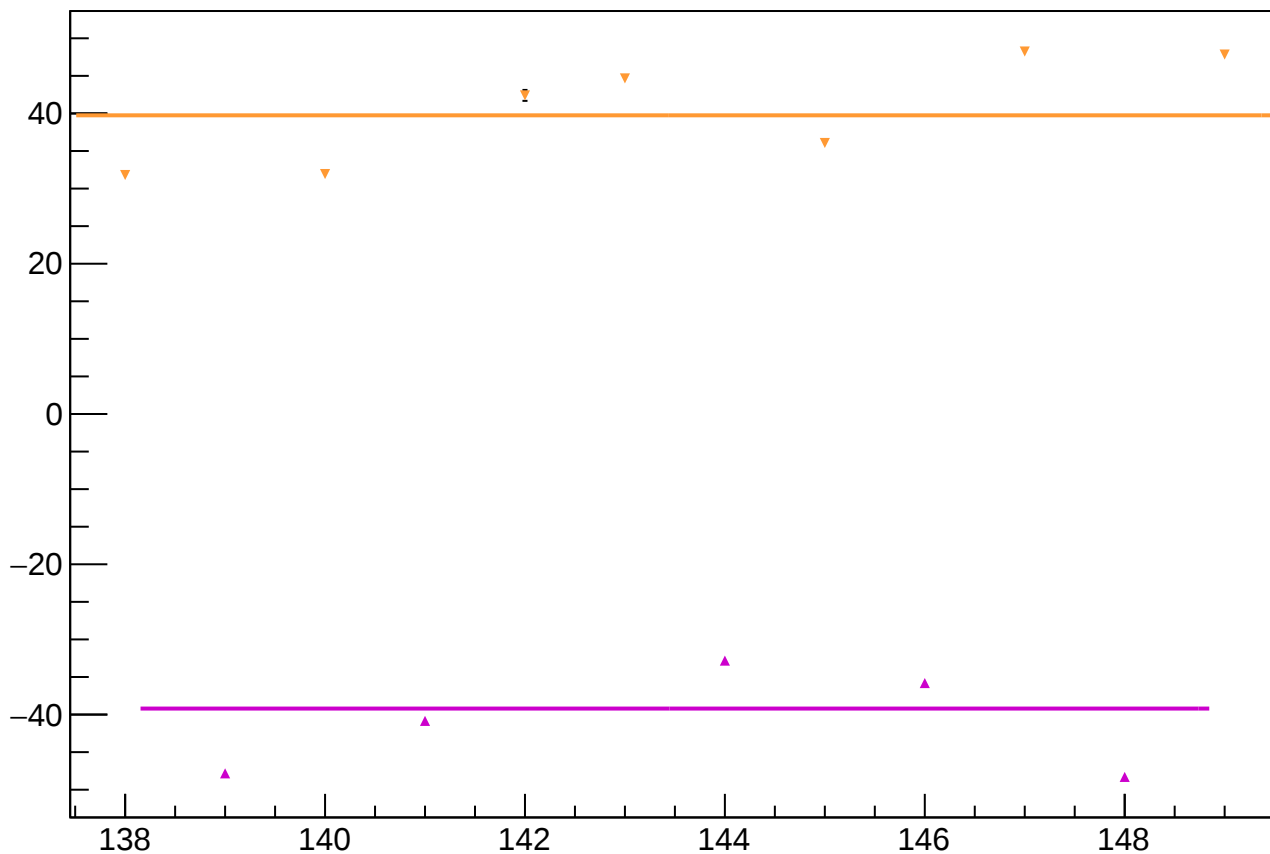
Left In: -4.688+/-0.136 χ^2/NDF : 727.1/4

3.957+/-0.131 χ^2/NDF : 990.6/6

-0.216+/-0.094 χ^2/NDF : 3816.0/11

-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: 39.749+/-0.194 χ^2/NDF : 1166.2/6

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

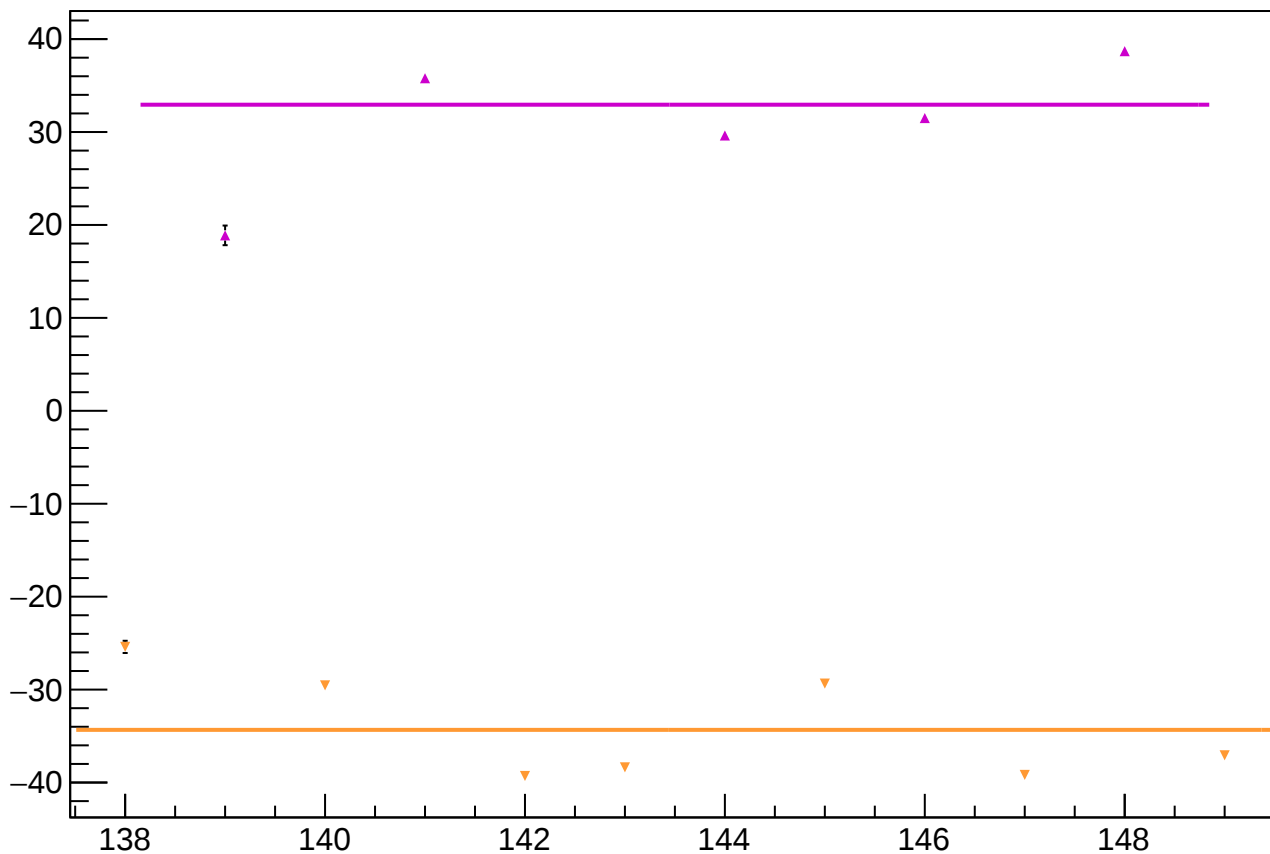
Left In: -39.201+/-0.209 χ^2/NDF : 808.8/4

39.749+/-0.194 χ^2/NDF : 1166.2/6

3.072+/-0.142 χ^2/NDF : 78600.9/11

-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: -34.333+/-0.161 χ^2/NDF : 919.8/6

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

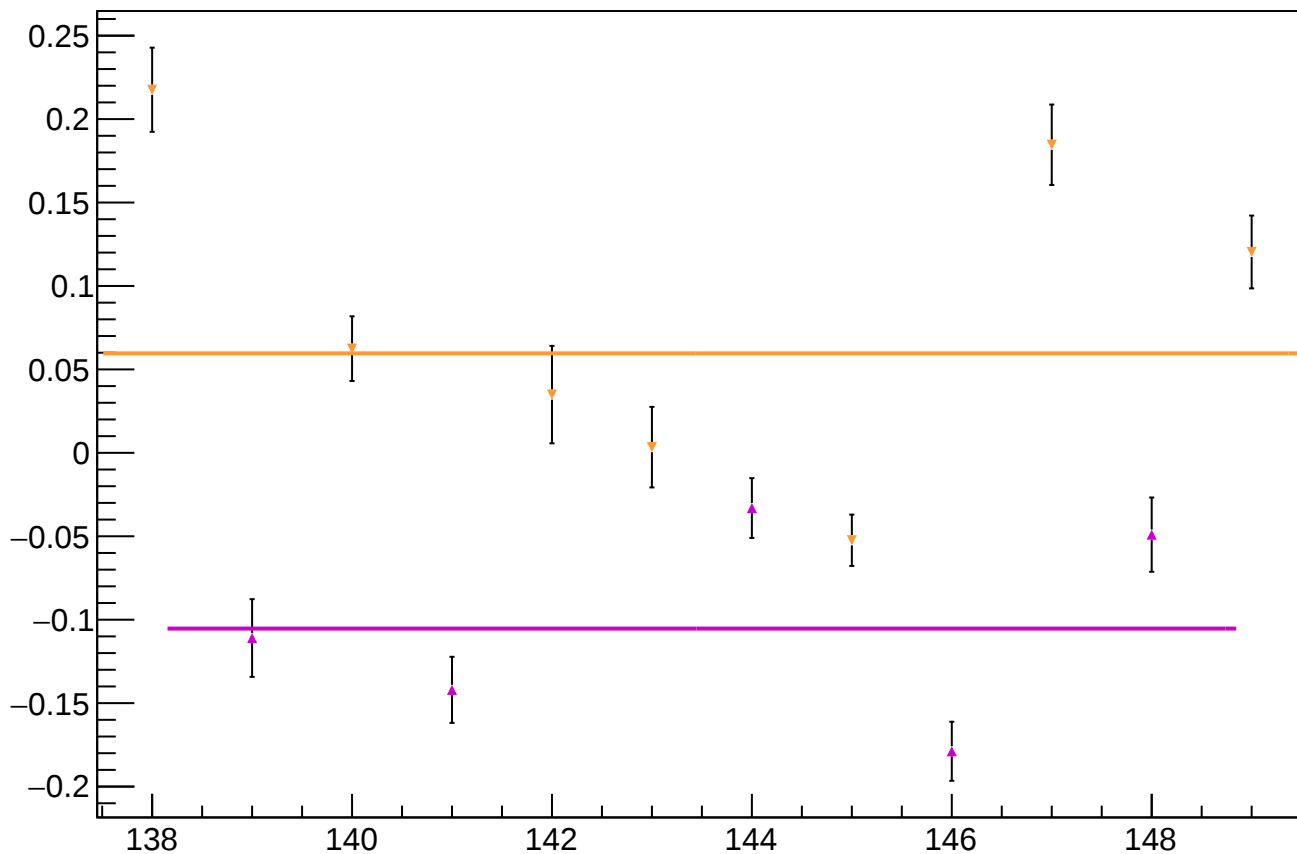
Left In: 32.940+/-0.170 χ^2/NDF : 588.6/4

-34.333+/-0.161 χ^2/NDF : 919.8/6

-2.541+/-0.117 χ^2/NDF : 83796.8/11

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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.060+/-0.008 χ^2/NDF :133.1/6

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

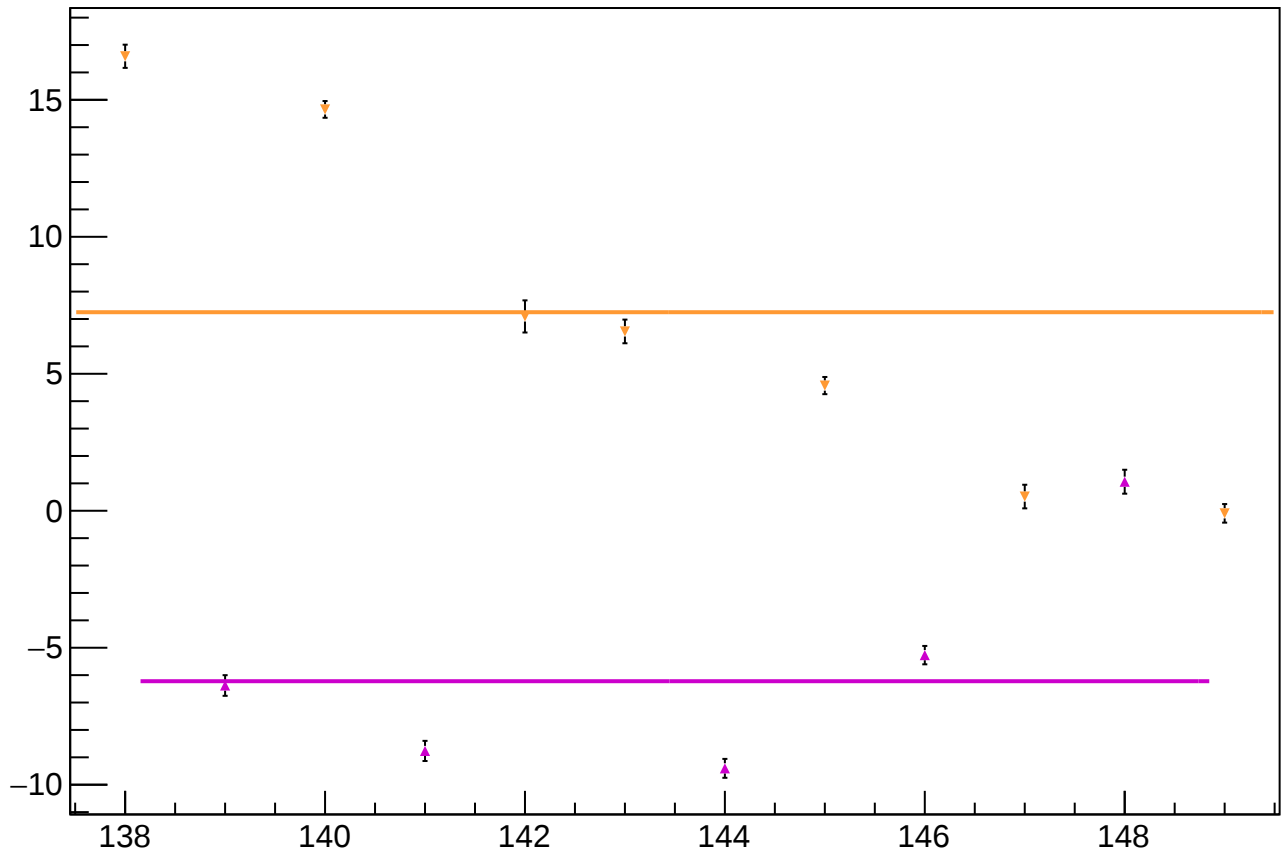
Left In: -0.105+/-0.009 χ^2/NDF :43.4/4

0.060+/-0.008 χ^2/NDF : 133.1/6

-0.016+/-0.006 χ^2/NDF : 364.8/11

-0.105+/-0.009 χ^2/NDF : 43.4/4

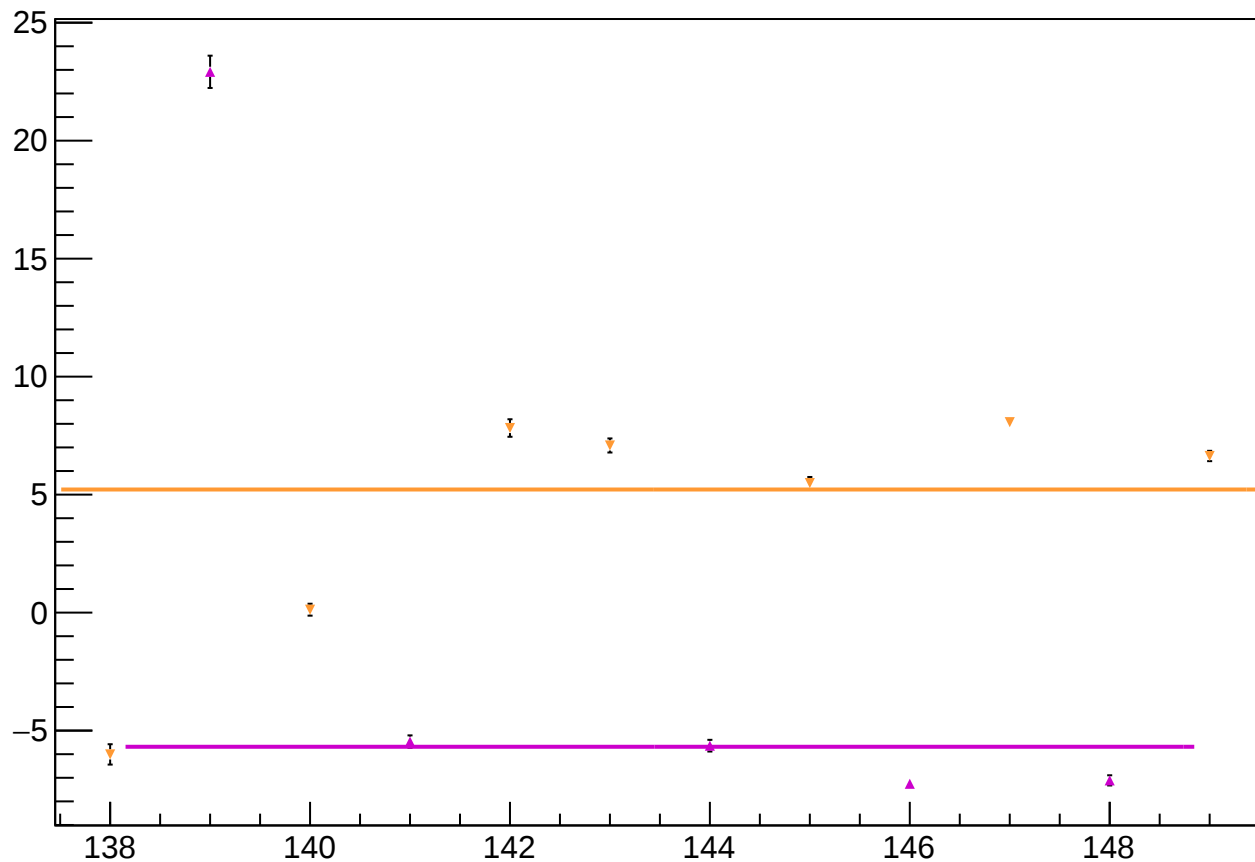
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.248 $\pm$ 0.143 χ^2 /NDF:1862.1/6
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.222 $\pm$ 0.164 χ^2 /NDF:419.3/4

7.248 $\pm$ 0.143 χ^2 /NDF: 1862.1/6
 1.442 $\pm$ 0.108 χ^2 /NDF: 6097.9/11
 -6.222 $\pm$ 0.164 χ^2 /NDF: 419.3/4

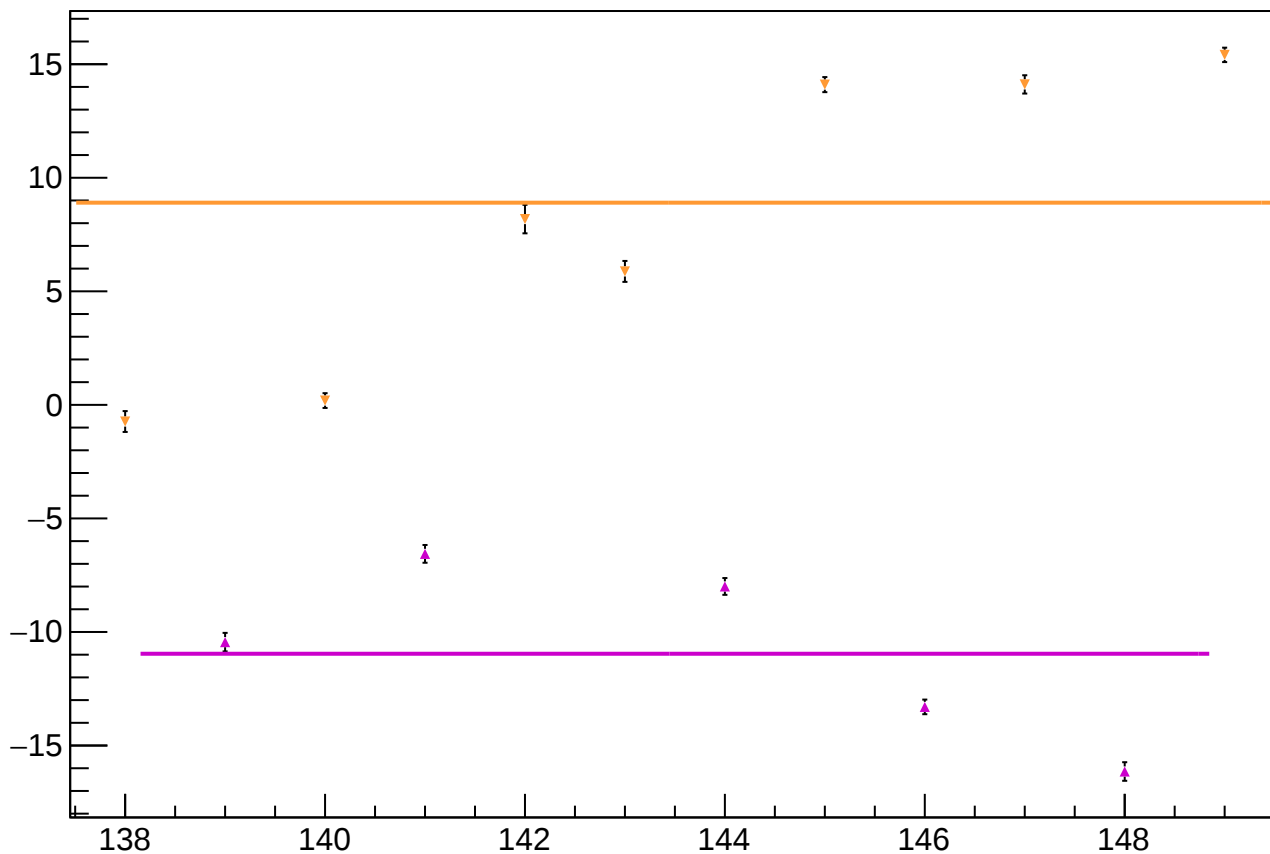
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.217+/-0.101 χ^2/NDF : 1404.0/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.685+/-0.114 χ^2/NDF : 1845.1/4

5.217+/-0.101 χ^2/NDF : 1404.0/6
 0.460+/-0.076 χ^2/NDF : 8362.7/11
 -5.685+/-0.114 χ^2/NDF : 1845.1/4

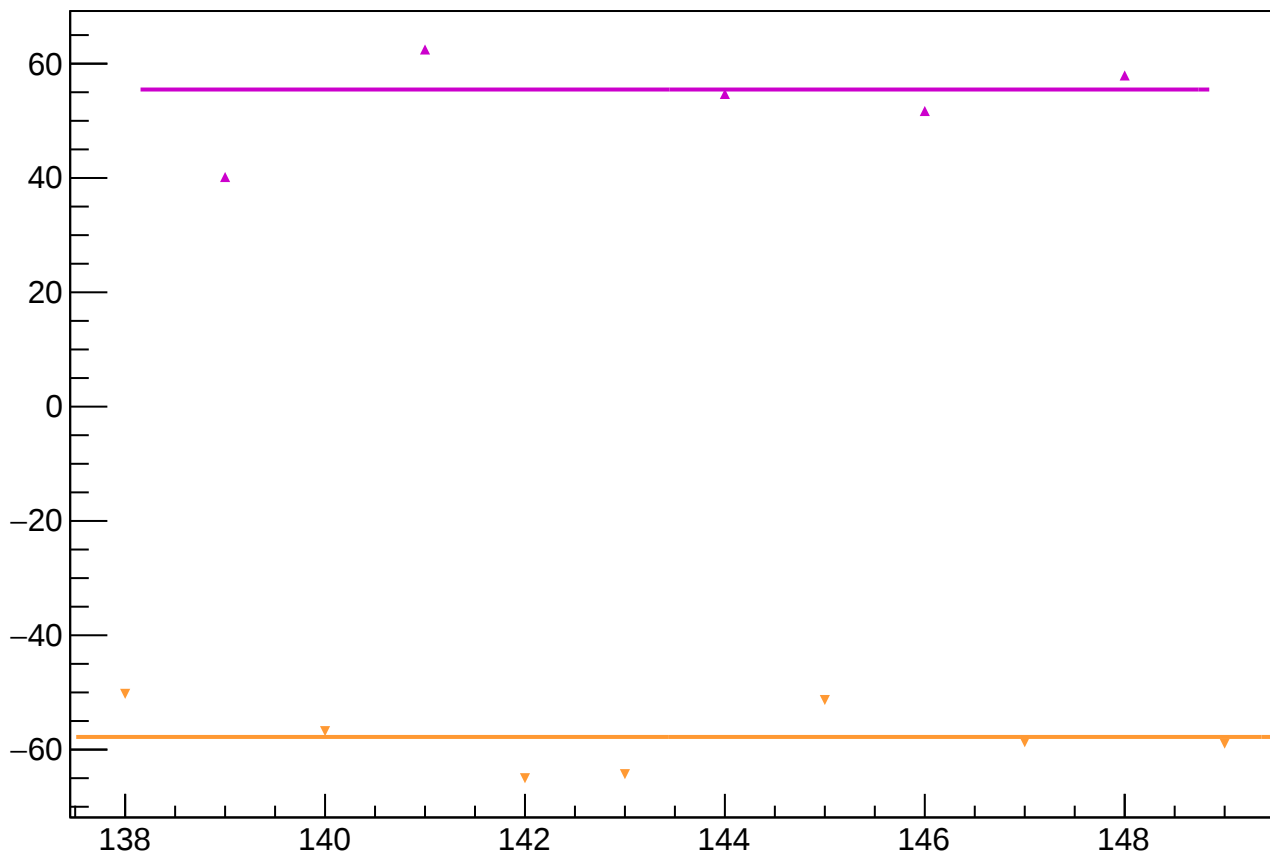
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.903 $\pm$ 0.146 χ^2 /NDF:2036.0/6
 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

8.903 $\pm$ 0.146 χ^2 /NDF: 2036.0/6
 0.320 $\pm$ 0.110 χ^2 /NDF: 10392.1/11
 -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: -57.786+/-0.123 χ^2/NDF :1338.6/6

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

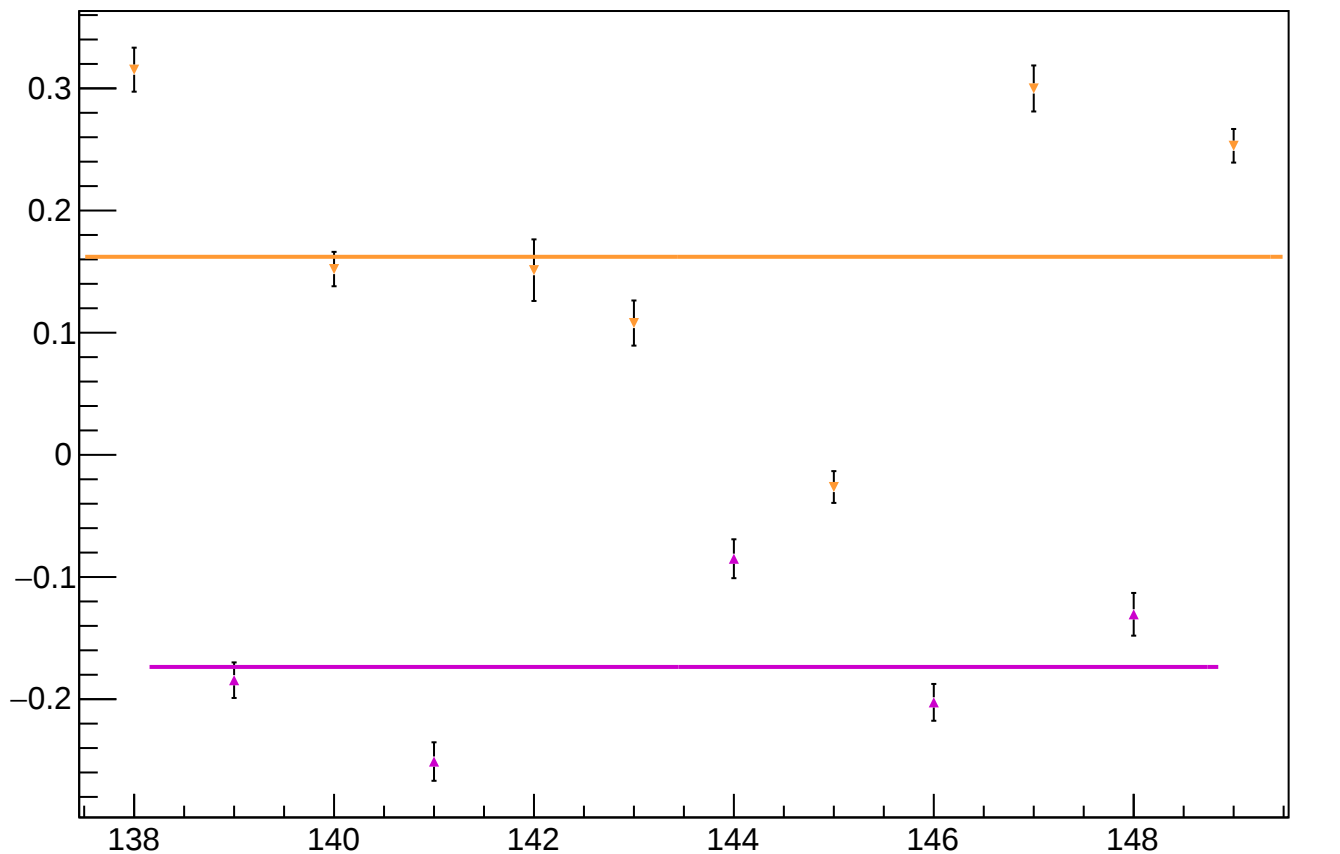
Left In: 55.477+/-0.142 χ^2/NDF :1306.3/4

-57.786+/-0.123 χ^2/NDF : 1338.6/6

-9.207+/-0.093 χ^2/NDF : 364791.4/11

55.477+/-0.142 χ^2/NDF : 1306.3/4

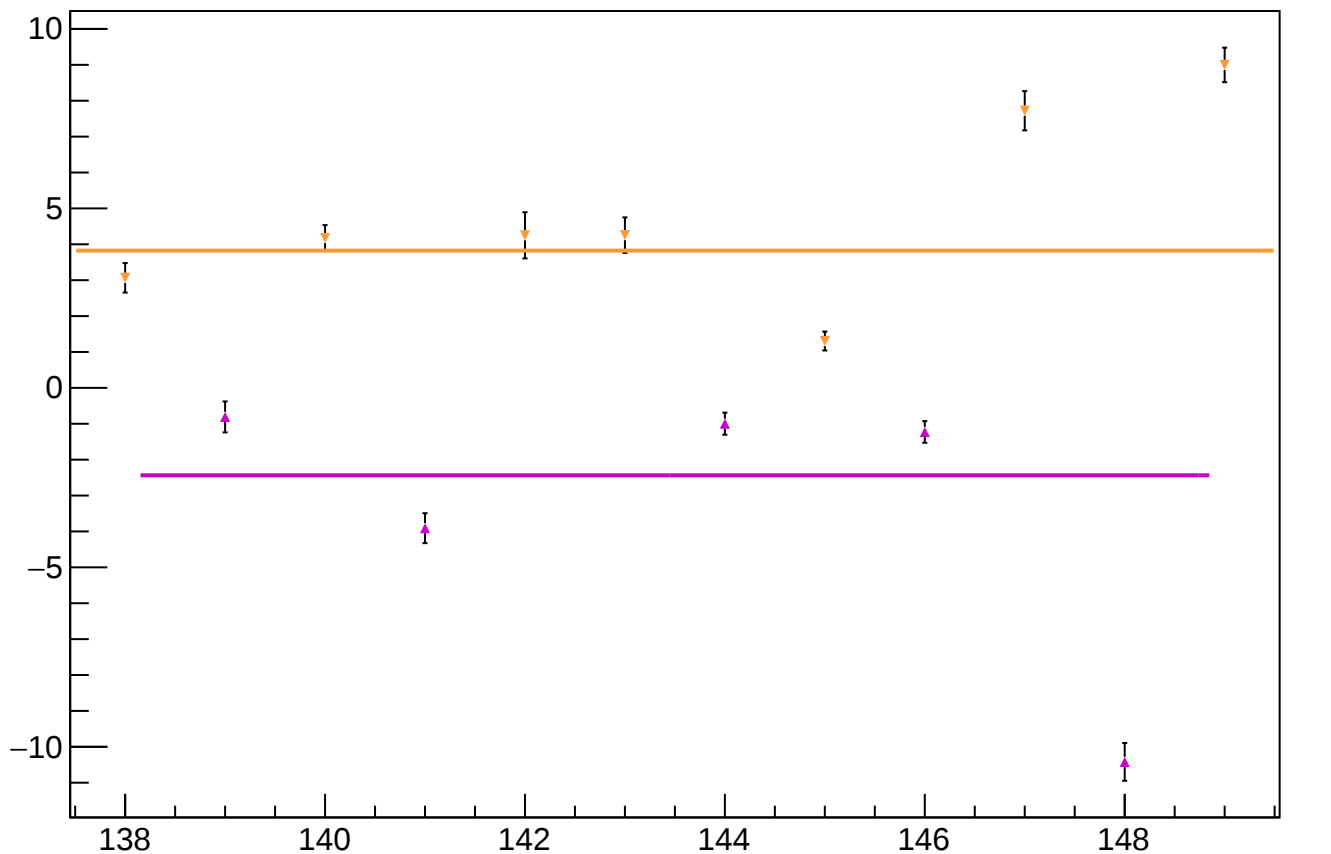
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.162 $\pm$ 0.006 χ^2 /NDF:388.5/6
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.174 $\pm$ 0.007 χ^2 /NDF:65.5/4

0.162 $\pm$ 0.006 χ^2 /NDF: 388.5/6
 0.017 $\pm$ 0.005 χ^2 /NDF: 1755.1/11
 -0.174 $\pm$ 0.007 χ^2 /NDF: 65.5/4

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 3.825 $\pm$ 0.154 χ^2 /NDF:264.1/6

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

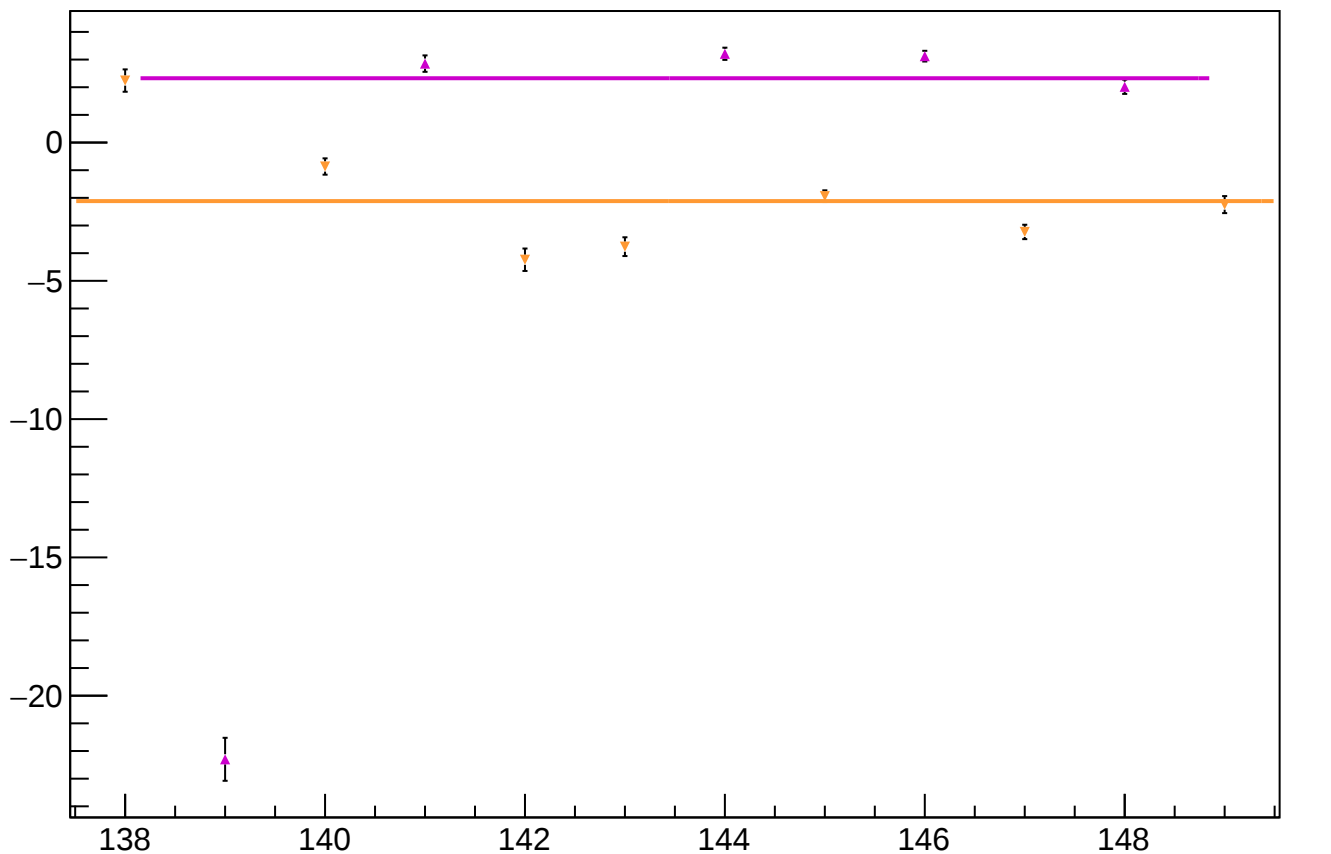
Left In: -2.436 $\pm$ 0.166 χ^2 /NDF:294.4/4

3.825 $\pm$ 0.154 χ^2 /NDF: 264.1/6

0.931 $\pm$ 0.113 χ^2 /NDF: 1323.9/11

-2.436 $\pm$ 0.166 χ^2 /NDF: 294.4/4

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: -2.117+/-0.112 χ^2/NDF : 204.4/6

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

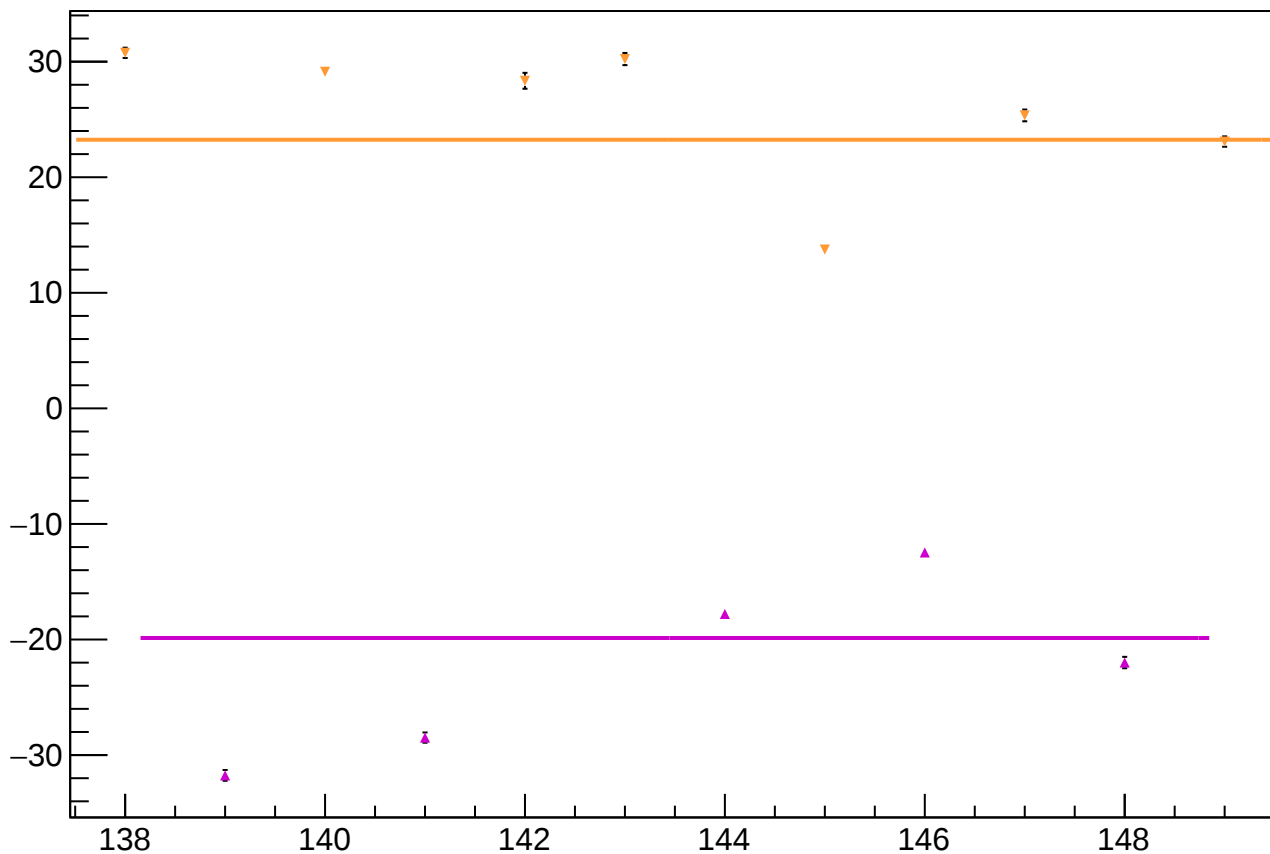
Left In: 2.325+/-0.115 χ^2/NDF : 1041.6/4

-2.117+/-0.112 χ^2/NDF : 204.4/6

0.034+/-0.080 χ^2/NDF : 2011.2/11

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: 23.245+/-0.160 χ^2/NDF :1915.6/6

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

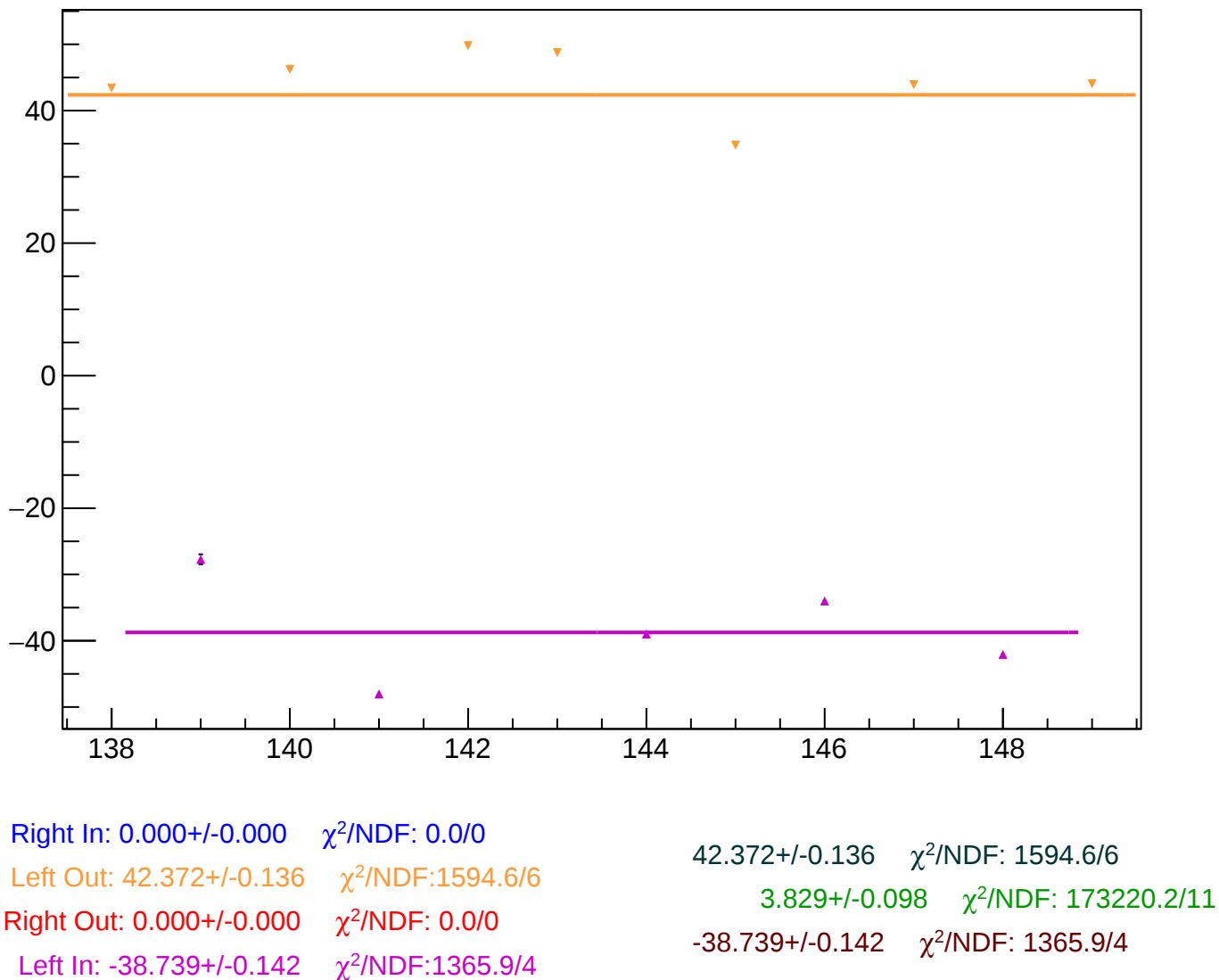
Left In: -19.867+/-0.169 χ^2/NDF :1735.3/4

23.245+/-0.160 χ^2/NDF : 1915.6/6

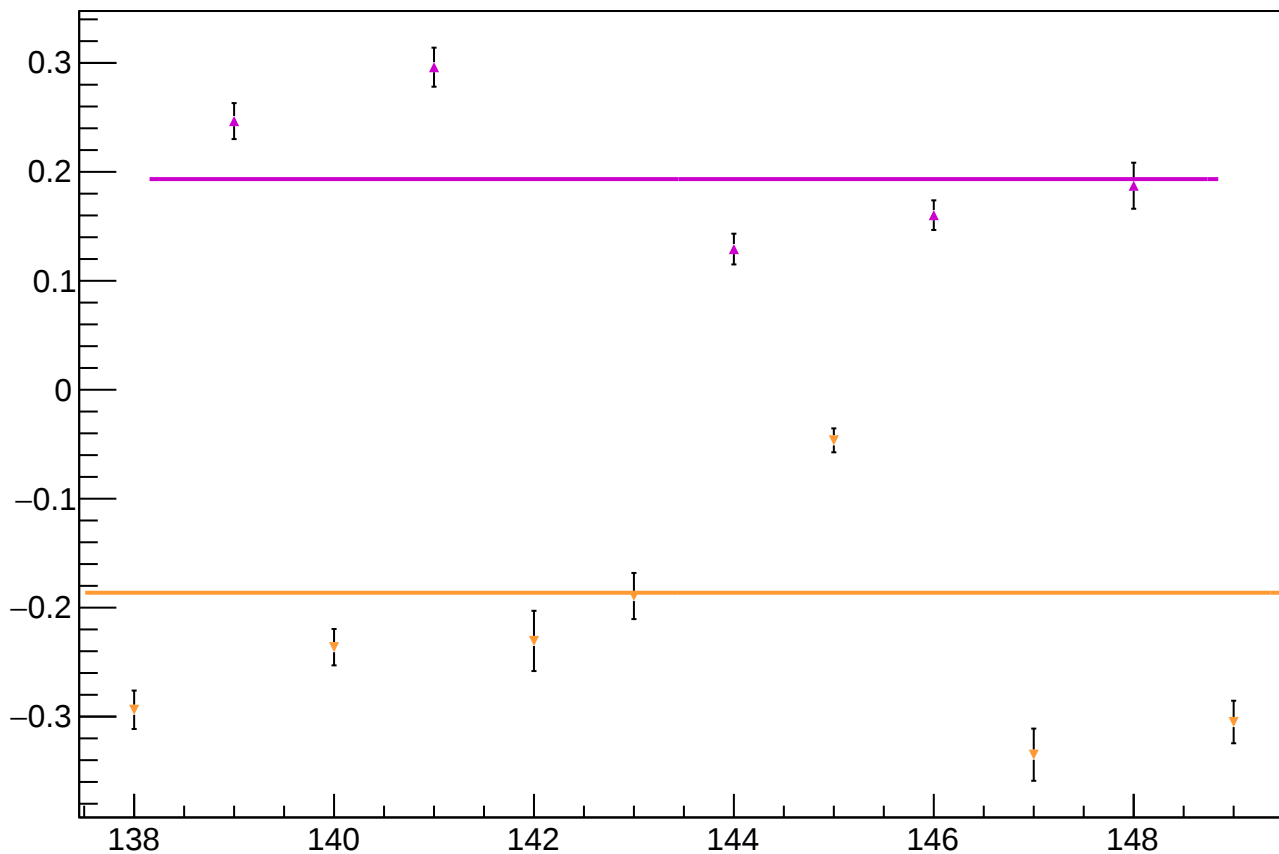
2.908+/-0.116 χ^2/NDF : 37876.8/11

-19.867+/-0.169 χ^2/NDF : 1735.3/4

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -0.186+/-0.007 χ^2/NDF : 286.2/6

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

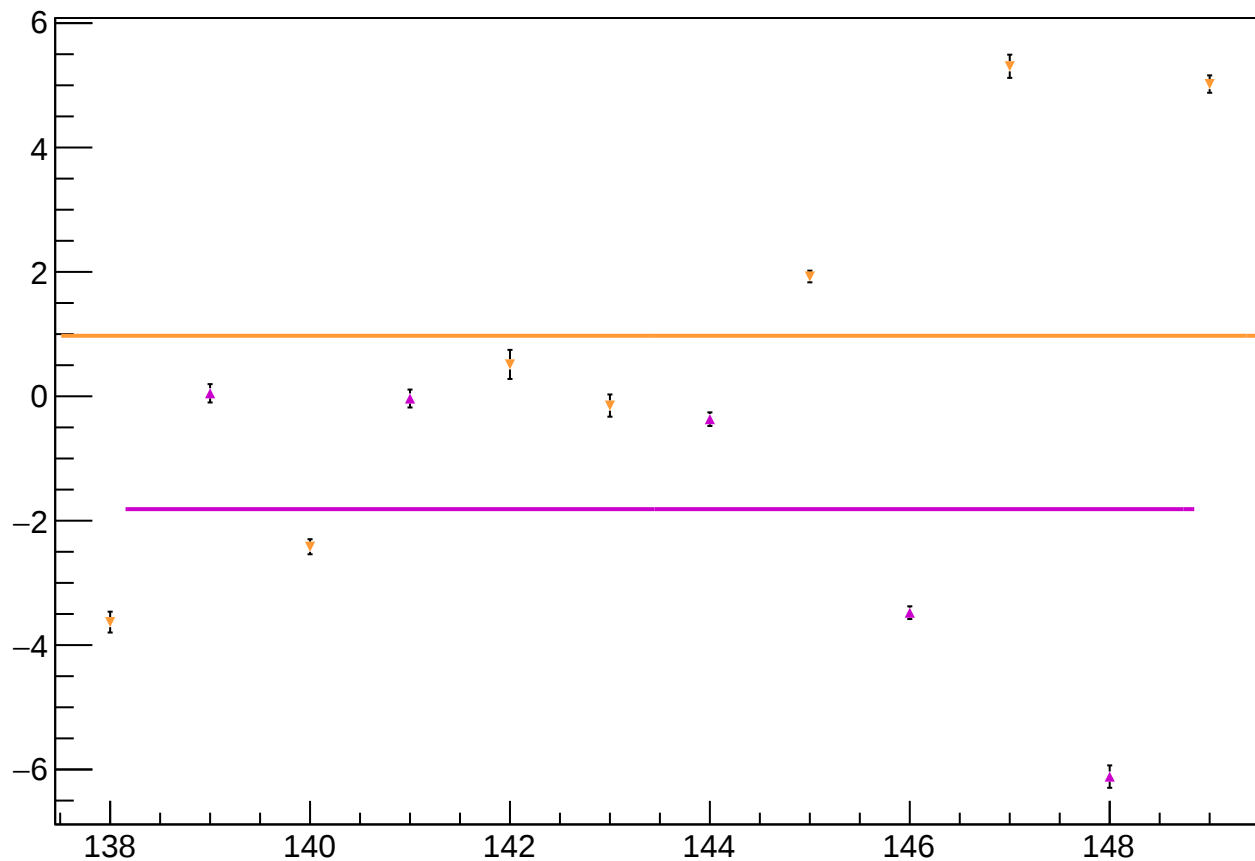
Left In: 0.193+/-0.007 χ^2/NDF : 70.0/4

-0.186+/-0.007 χ^2/NDF : 286.2/6

-0.012+/-0.005 χ^2/NDF : 1875.2/11

0.193+/-0.007 χ^2/NDF : 70.0/4

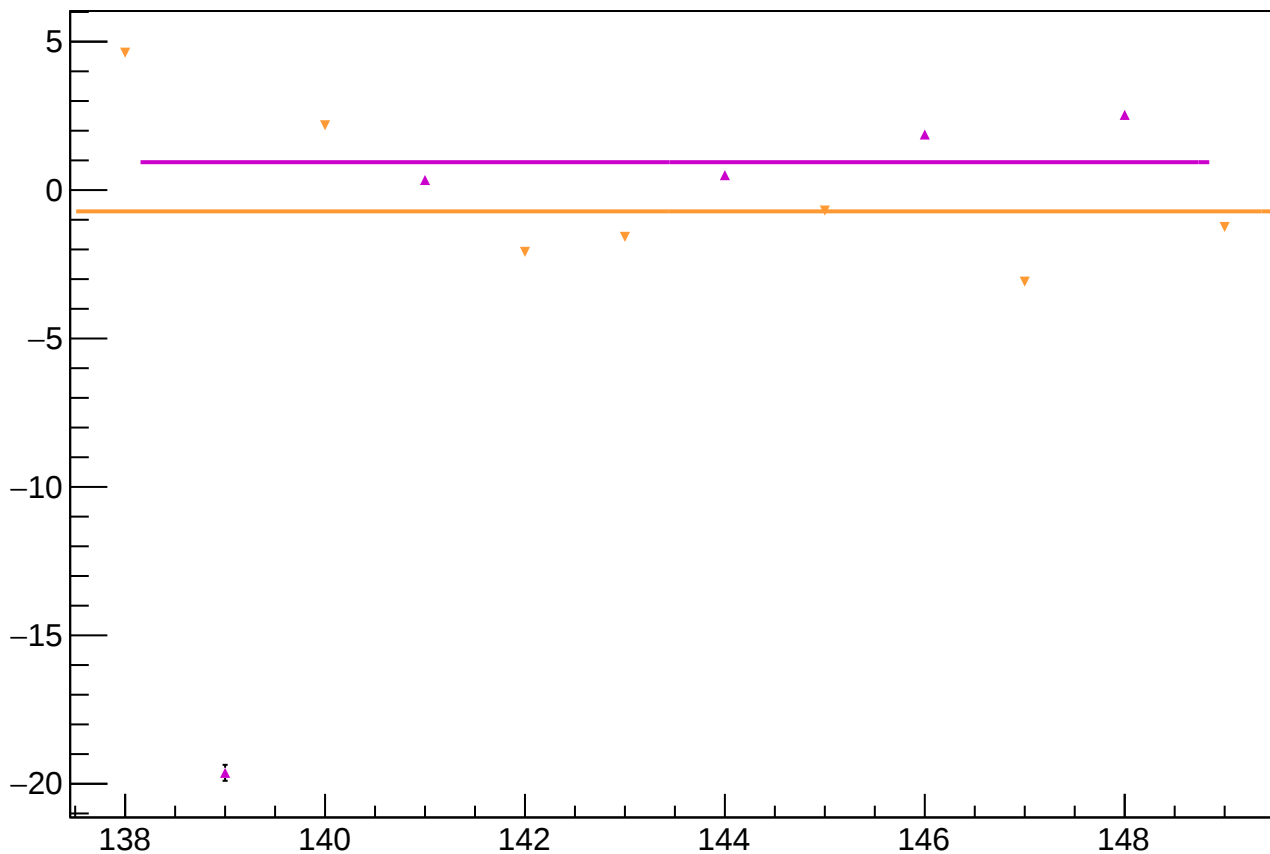
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.974+/-0.054 χ^2/NDF : 3060.5/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.814+/-0.057 χ^2/NDF : 1321.5/4

0.974+/-0.054 χ^2/NDF : 3060.5/6
 -0.329+/-0.039 χ^2/NDF : 5640.4/11
 -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: -0.717+/-0.039 χ^2/NDF : 2706.3/6

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

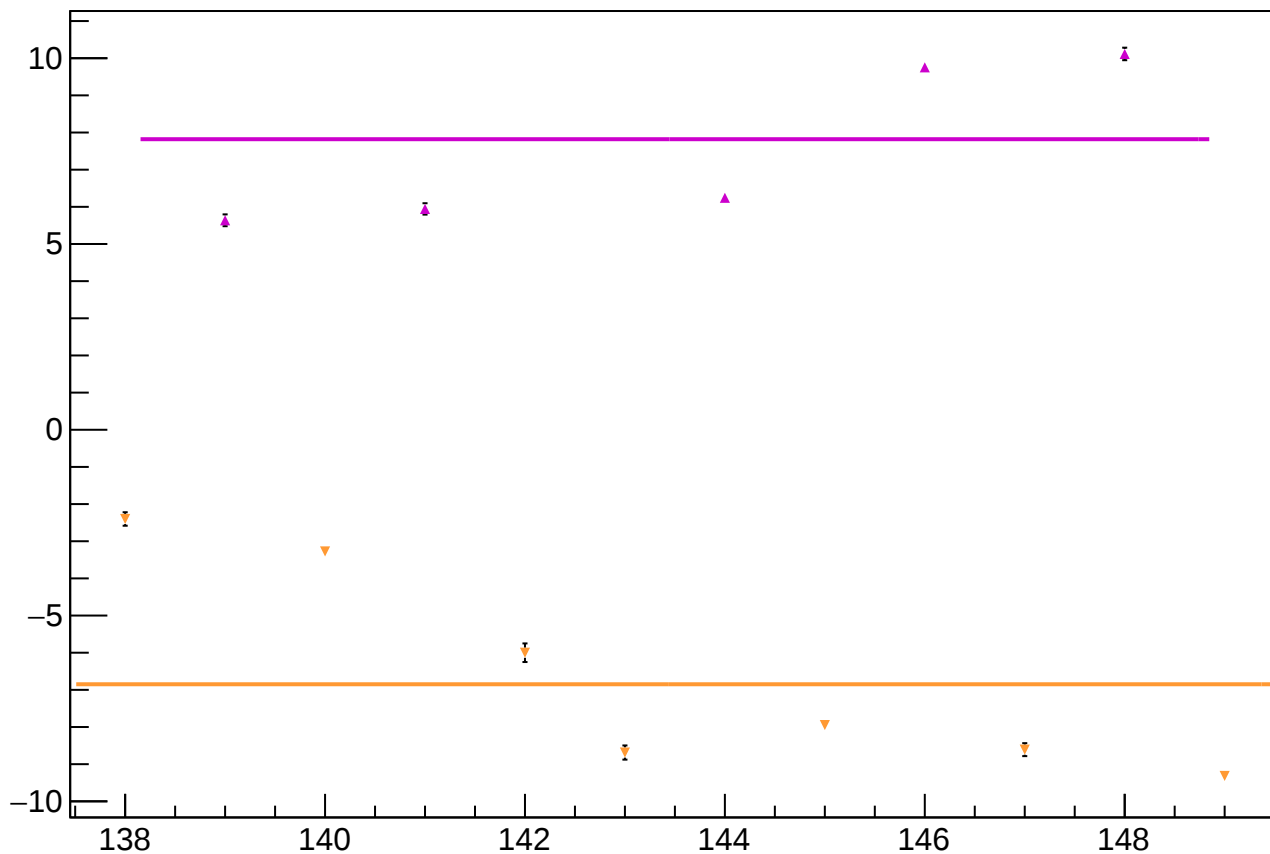
Left In: 0.939+/-0.040 χ^2/NDF : 6428.3/4

-0.717+/-0.039 χ^2/NDF : 2706.3/6

0.084+/-0.028 χ^2/NDF : 10015.1/11

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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -6.849 $\pm$ 0.055 χ^2 /NDF: 2050.4/6

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

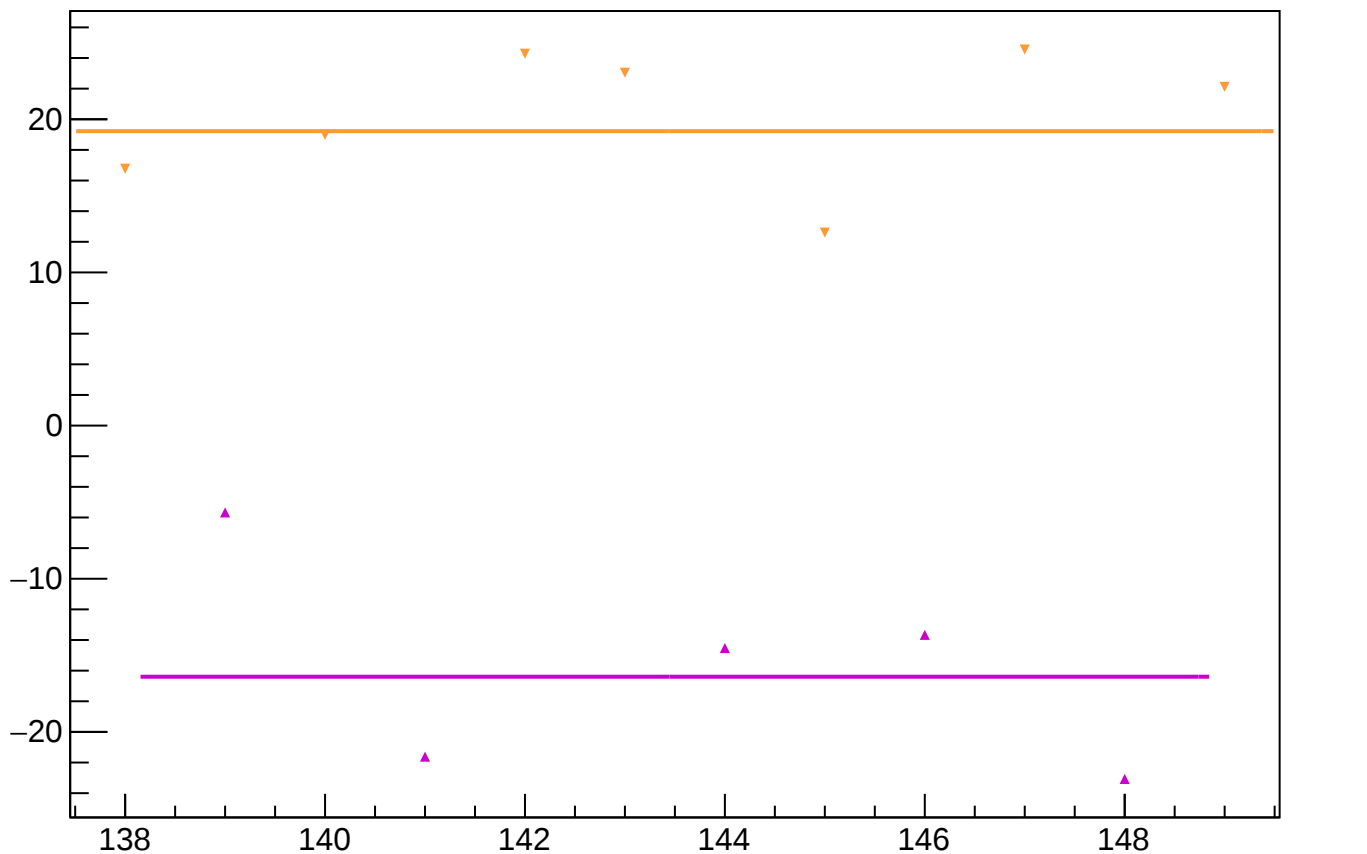
Left In: 7.820 $\pm$ 0.058 χ^2 /NDF: 1088.2/4

-6.849 $\pm$ 0.055 χ^2 /NDF: 2050.4/6

0.092 $\pm$ 0.040 χ^2 /NDF: 36316.5/11

7.820 $\pm$ 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: 19.224 +/- 0.047 χ^2/NDF : 9853.2/6

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

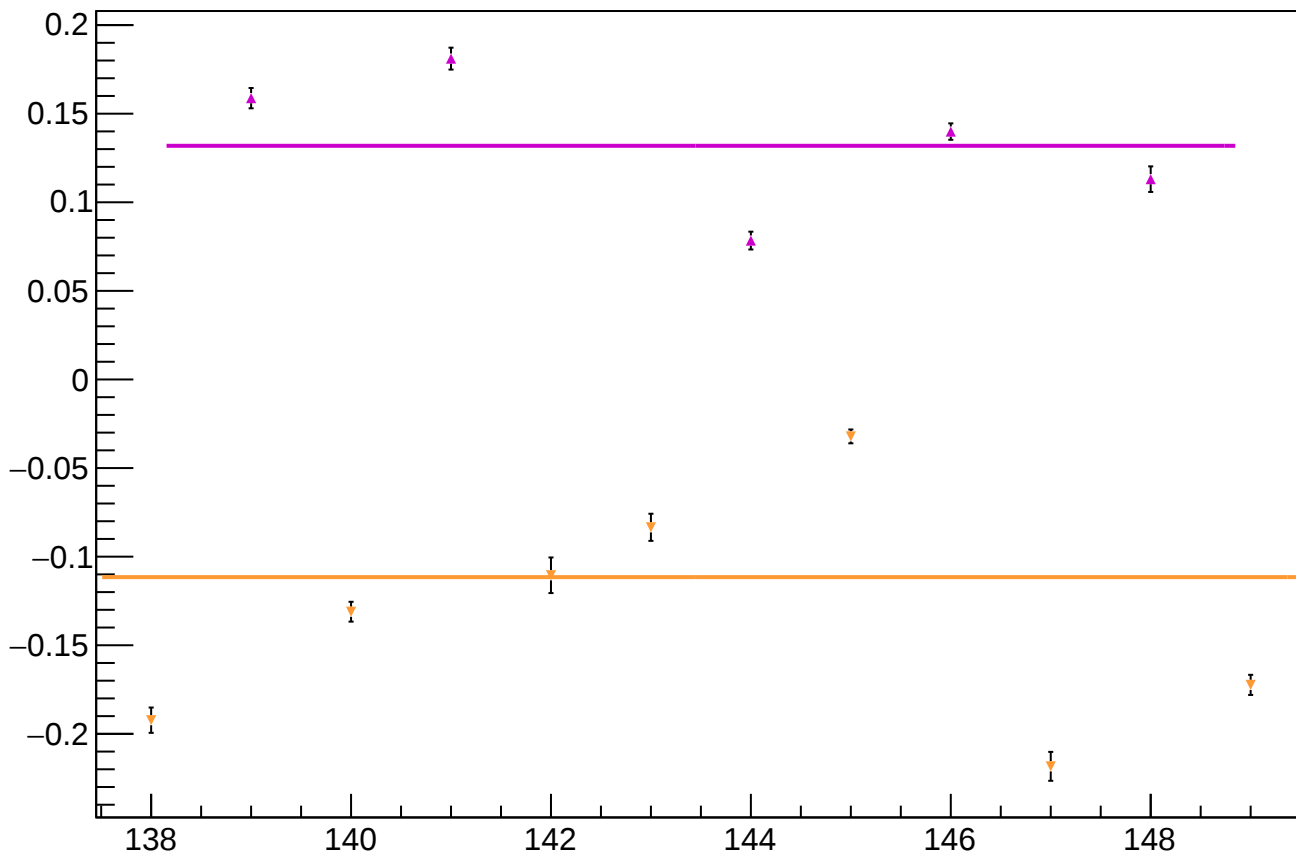
Left In: -16.396 +/- 0.049 χ^2/NDF : 7927.2/4

19.224 +/- 0.047 χ^2/NDF : 9853.2/6

2.295 +/- 0.034 χ^2/NDF : 290169.1/11

-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: -0.112+/-0.002 χ^2/NDF : 852.3/6

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

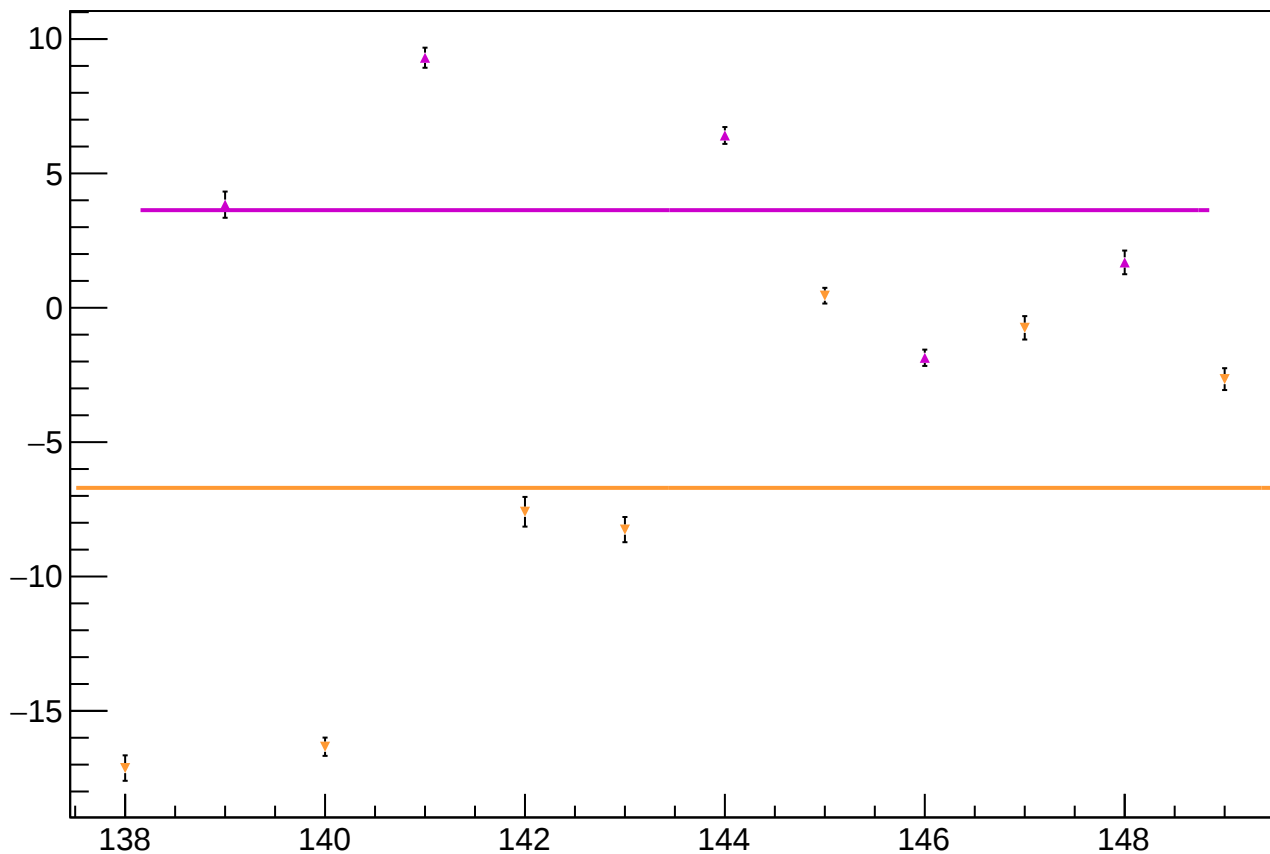
Left In: 0.132+/-0.002 χ^2/NDF : 208.4/4

-0.112+/-0.002 χ^2/NDF : 852.3/6

0.000+/-0.002 χ^2/NDF : 6241.1/11

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: -6.701+/-0.151 χ^2/NDF : 2187.0/6

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

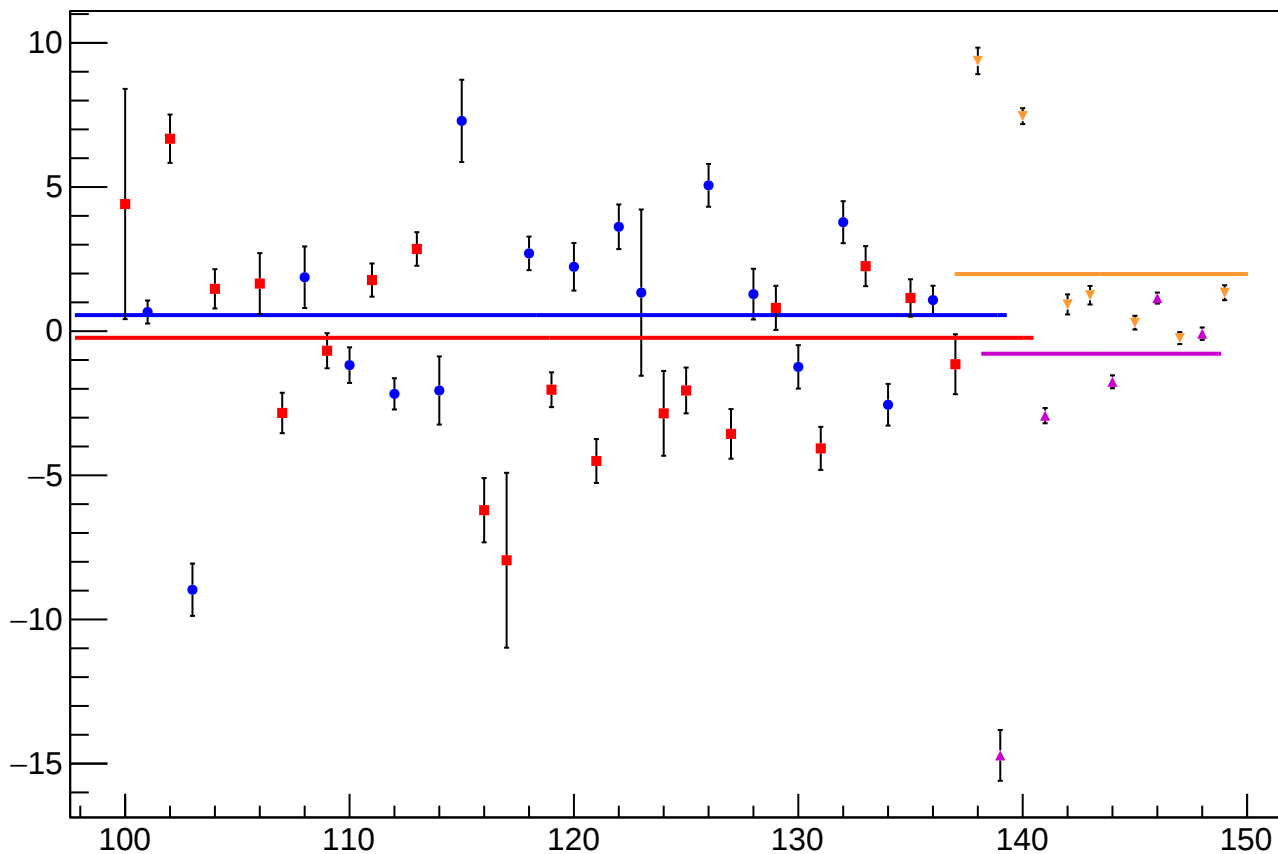
Left In: 3.633+/-0.163 χ^2/NDF : 656.2/4

-6.701+/-0.151 χ^2/NDF : 2187.0/6

-1.942+/-0.111 χ^2/NDF : 5006.4/11

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 $\pm$ 0.170 χ^2/NDF : 287.9/16

Left Out: 1.983 $\pm$ 0.105 χ^2/NDF : 837.6/6

Right Out: -0.230 $\pm$ 0.174 χ^2/NDF : 278.5/19

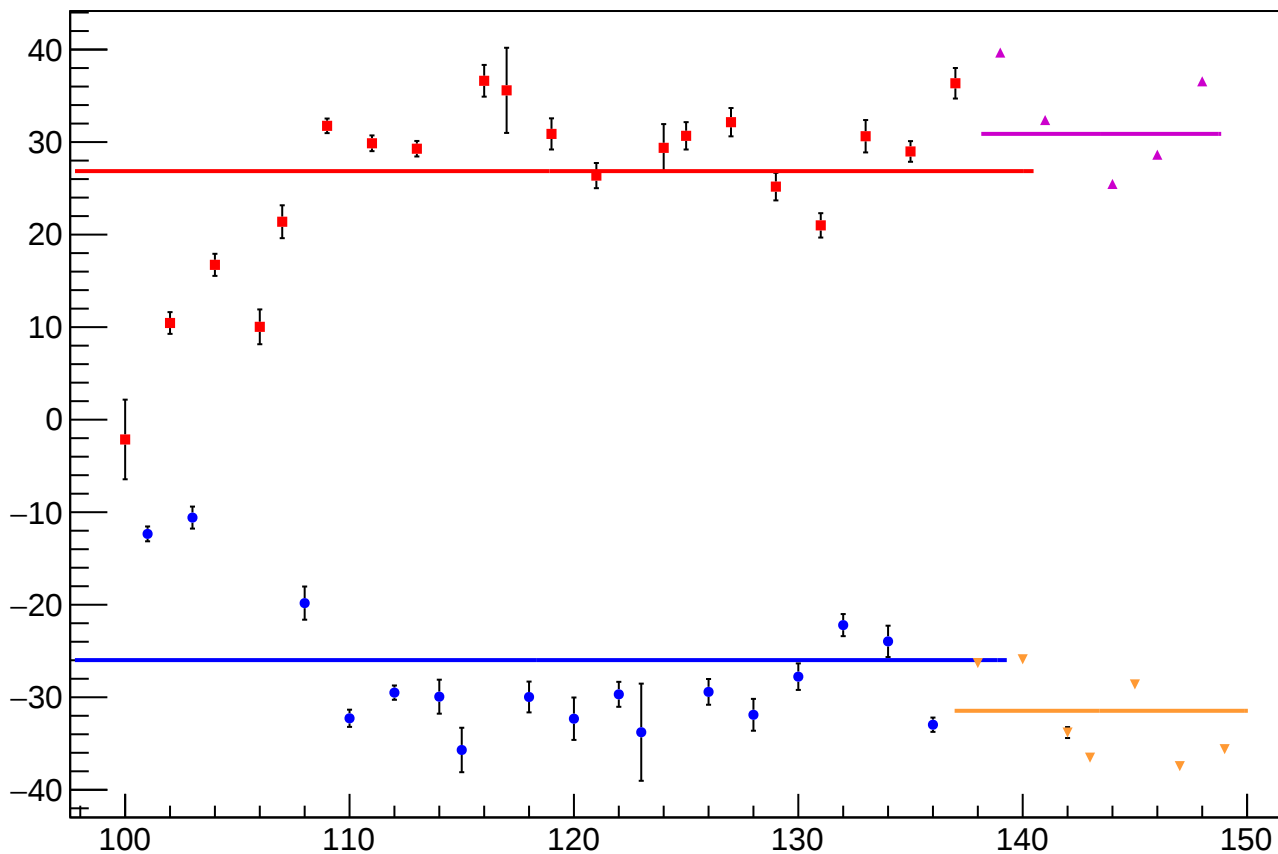
Left In: -0.782 $\pm$ 0.109 χ^2/NDF : 447.1/4

1.592 $\pm$ 0.089 χ^2/NDF : 1176.5/23

0.521 $\pm$ 0.064 χ^2/NDF : 2208.5/48

-0.627 $\pm$ 0.092 χ^2/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: -31.461 ± 0.155 χ^2/NDF : 875.8/6

Right Out: 26.861 ± 0.297 χ^2/NDF : 585.2/19

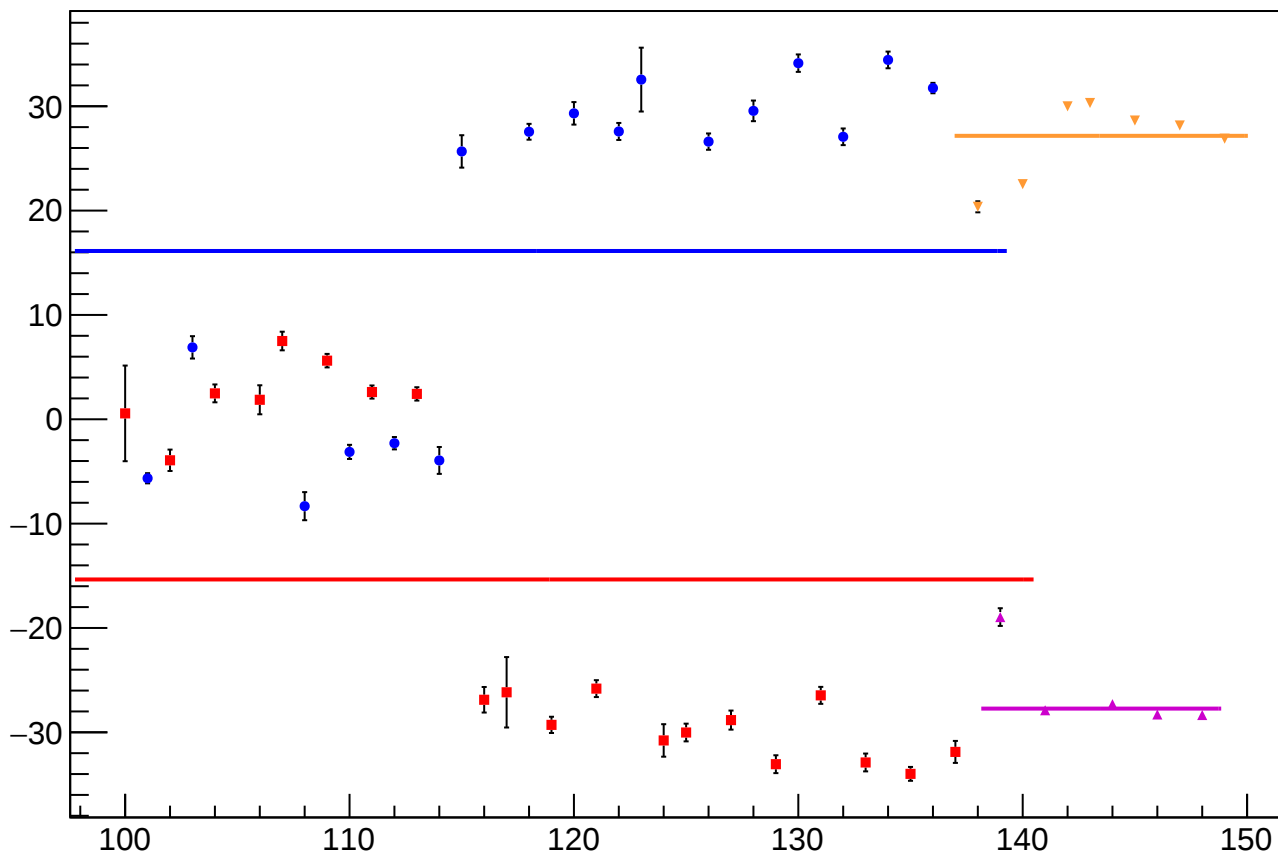
Left In: 30.886 ± 0.166 χ^2/NDF : 799.7/4

-30.311 ± 0.138 χ^2/NDF : 1829.9/23

-1.700 ± 0.100 χ^2/NDF : 94315.5/48

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 $\chi^2/\text{NDF}: 7572.5/16$

Left Out: 27.165 ± 0.129 $\chi^2/\text{NDF}: 509.1/6$

Right Out: -15.352 ± 0.197 $\chi^2/\text{NDF}: 7288.4/19$

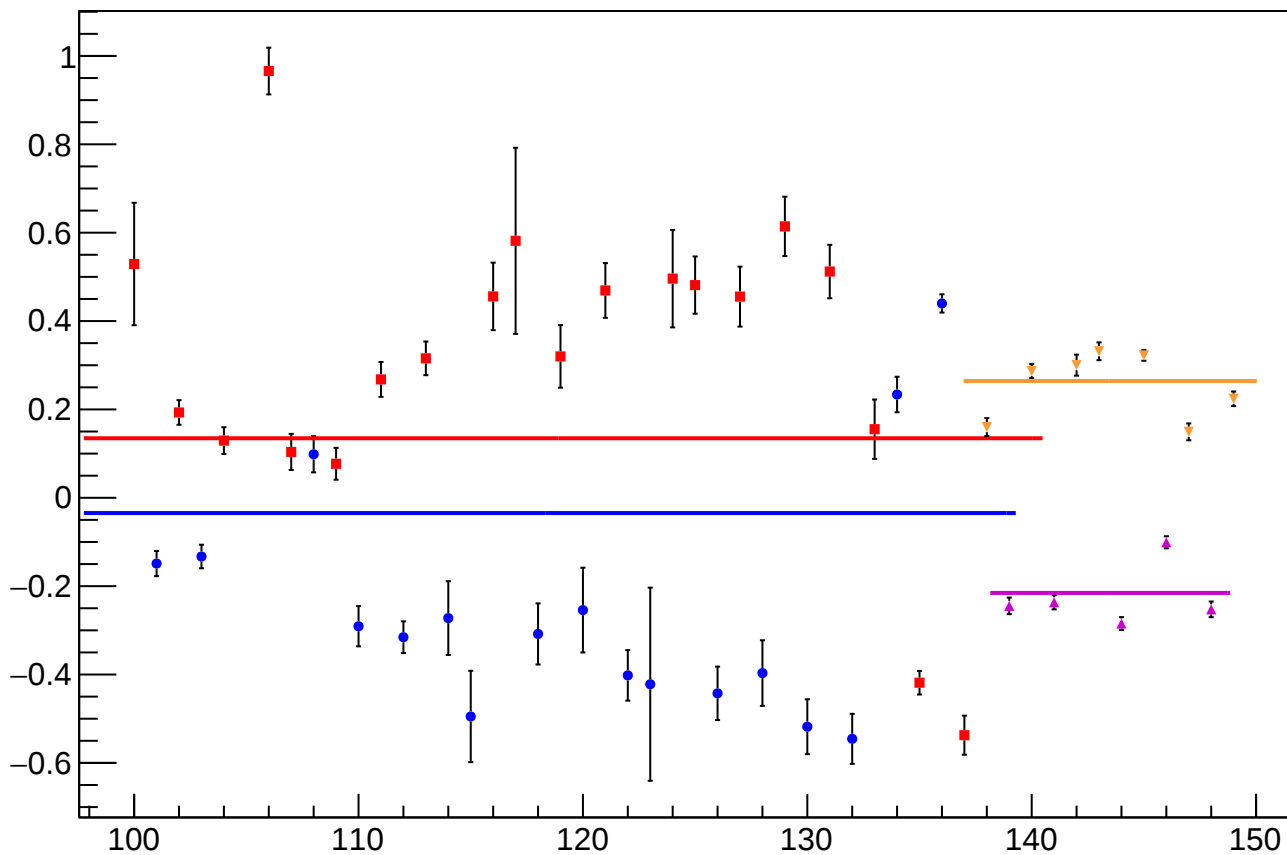
Left In: -27.728 ± 0.136 $\chi^2/\text{NDF}: 119.4/4$

23.748 ± 0.107 $\chi^2/\text{NDF}: 10361.4/23$

1.108 ± 0.077 $\chi^2/\text{NDF}: 114553.1/48$

-23.721 ± 0.112 $\chi^2/\text{NDF}: 10085.2/24$

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035±/0.010 χ^2/NDF : 1011.6/16

Left Out: 0.264±/0.006 χ^2/NDF :106.9/6

Right Out: 0.135±/0.010 χ^2/NDF : 1166.4/19

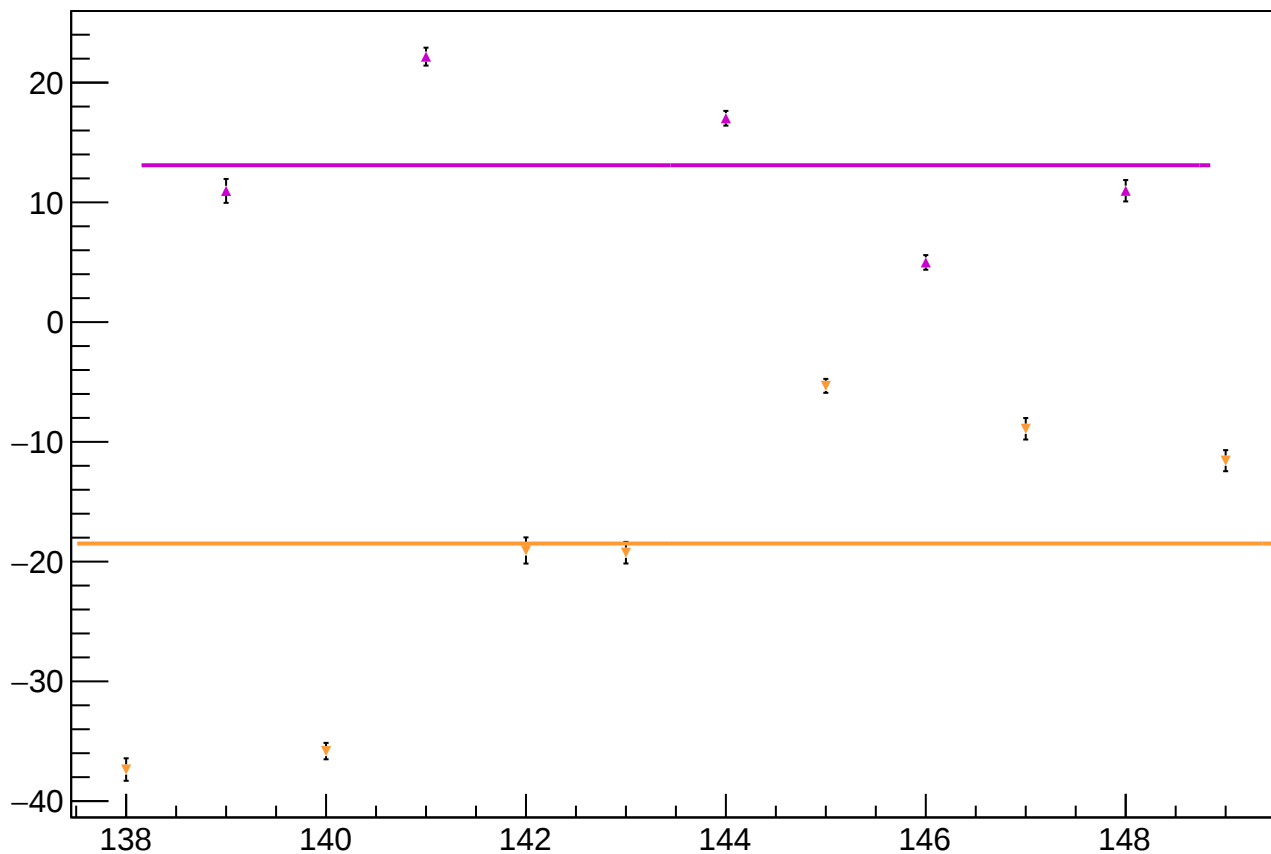
Left In: -0.215±/0.007 χ^2/NDF :101.7/4

0.180±/0.005 χ^2/NDF : 1719.5/23

0.047±/0.004 χ^2/NDF : 5027.1/48

-0.104±/0.006 χ^2/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: -18.491+/-0.304 χ^2/NDF : 1733.9/6

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

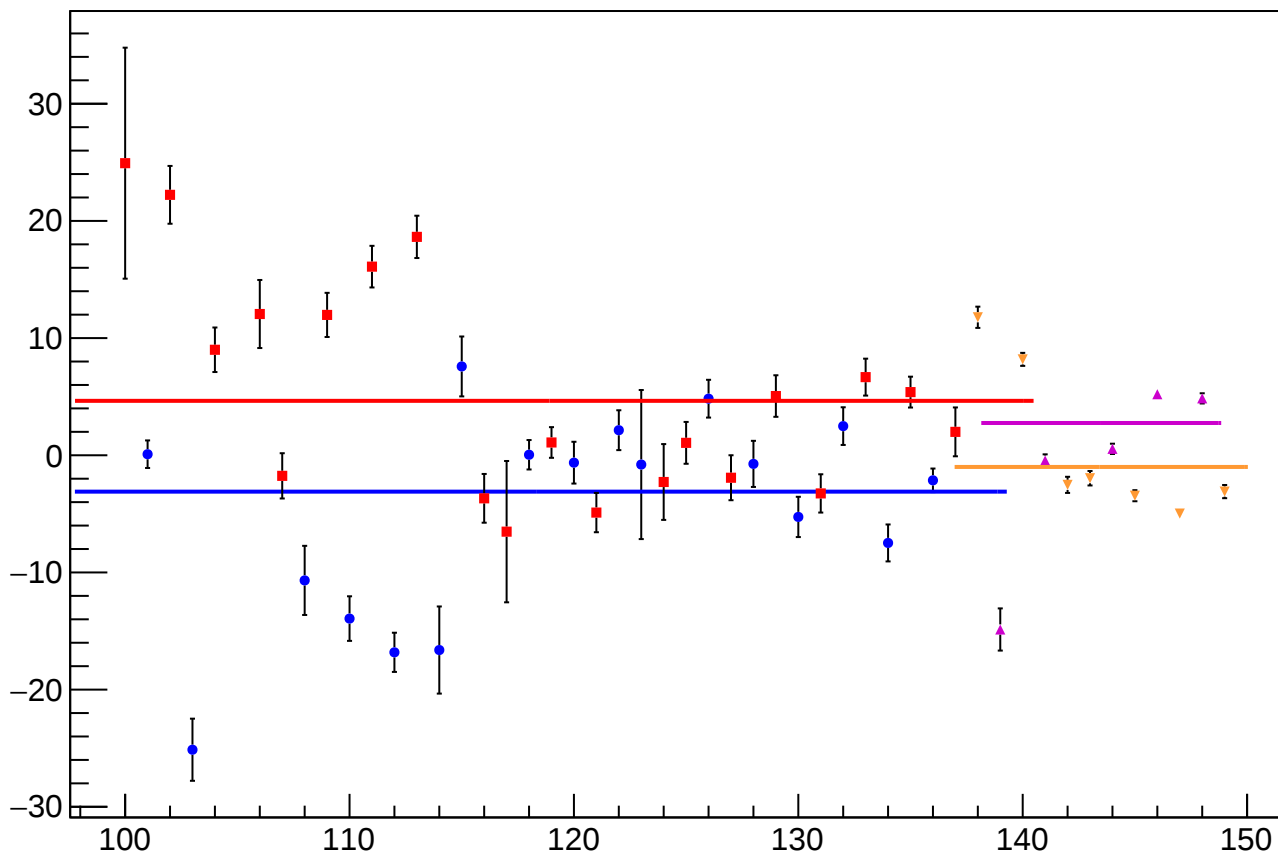
Left In: 13.098+/-0.327 χ^2/NDF : 374.5/4

-18.491+/-0.304 χ^2/NDF : 1733.9/6

-3.831+/-0.223 χ^2/NDF : 7119.0/11

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 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -0.996 ± 0.212 χ^2/NDF : 607.5/6

Right Out: 4.645 ± 0.425 χ^2/NDF : 301.1/19

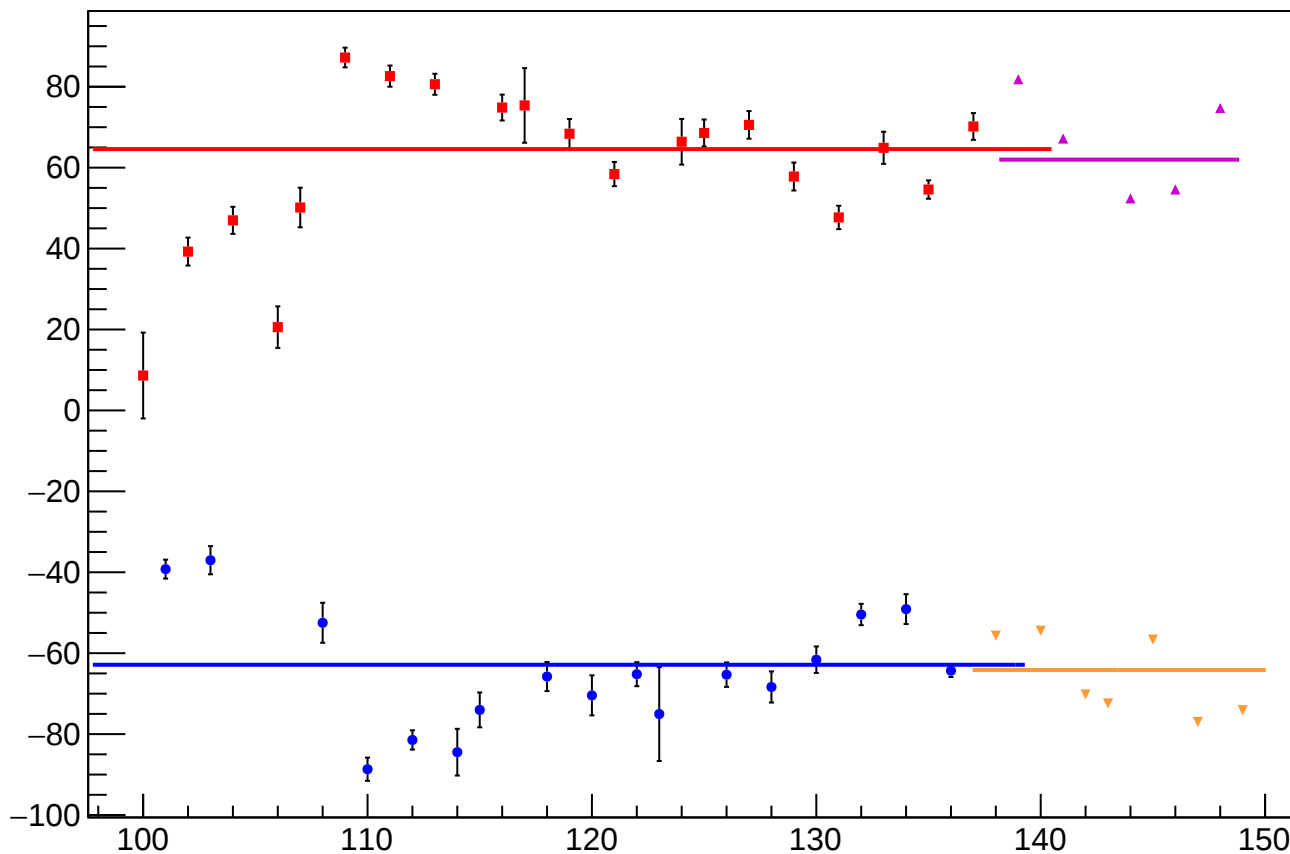
Left In: 2.755 ± 0.216 χ^2/NDF : 223.3/4

-1.438 ± 0.188 χ^2/NDF : 907.4/23

0.796 ± 0.135 χ^2/NDF : 1736.7/48

3.144 ± 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: -64.164 ± 0.313 χ^2/NDF : 875.9/6

Right Out: 64.588 ± 0.749 χ^2/NDF : 445.6/19

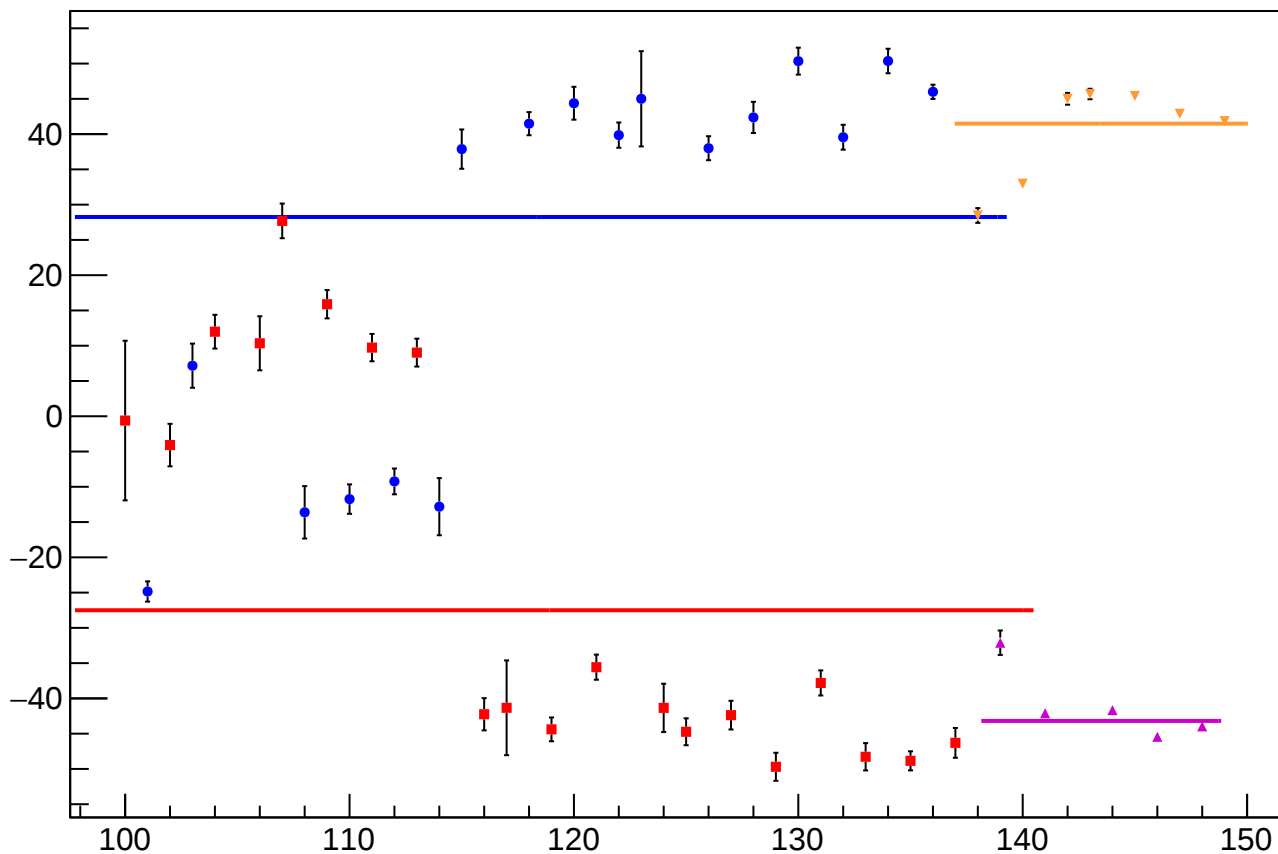
Left In: 61.987 ± 0.332 χ^2/NDF : 983.4/4

-63.966 ± 0.289 χ^2/NDF : 1247.2/23

-3.959 ± 0.209 χ^2/NDF : 93726.6/48

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: 41.481 ± 0.260 χ^2/NDF : 422.8/6

Right Out: -27.505 ± 0.478 χ^2/NDF : 3036.7/19

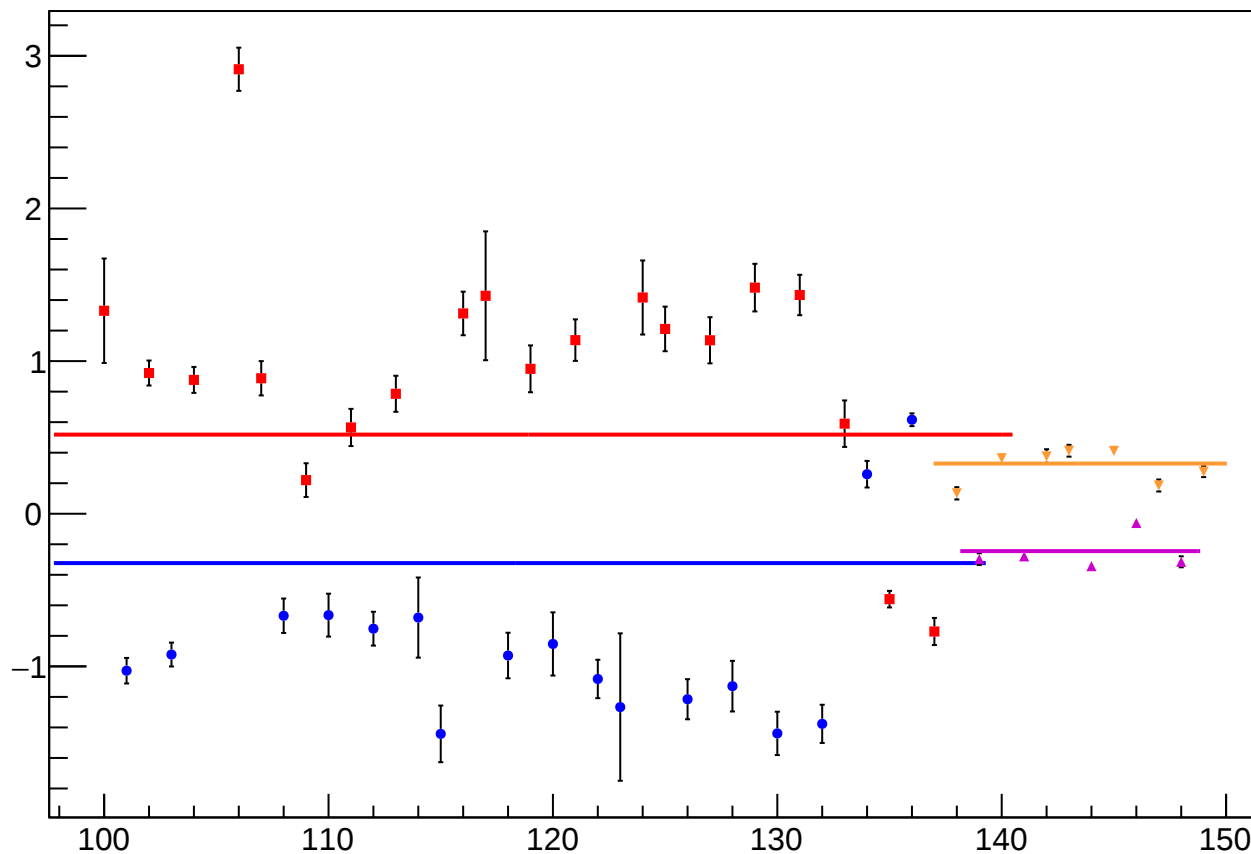
Left In: -43.190 ± 0.271 χ^2/NDF : 76.5/4

38.280 ± 0.226 χ^2/NDF : 4369.2/23

1.052 ± 0.163 χ^2/NDF : 64734.3/48

-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: 0.329 ± 0.013 $\chi^2/\text{NDF}: 57.4/6$

Right Out: 0.518 ± 0.026 $\chi^2/\text{NDF}: 1165.5/19$

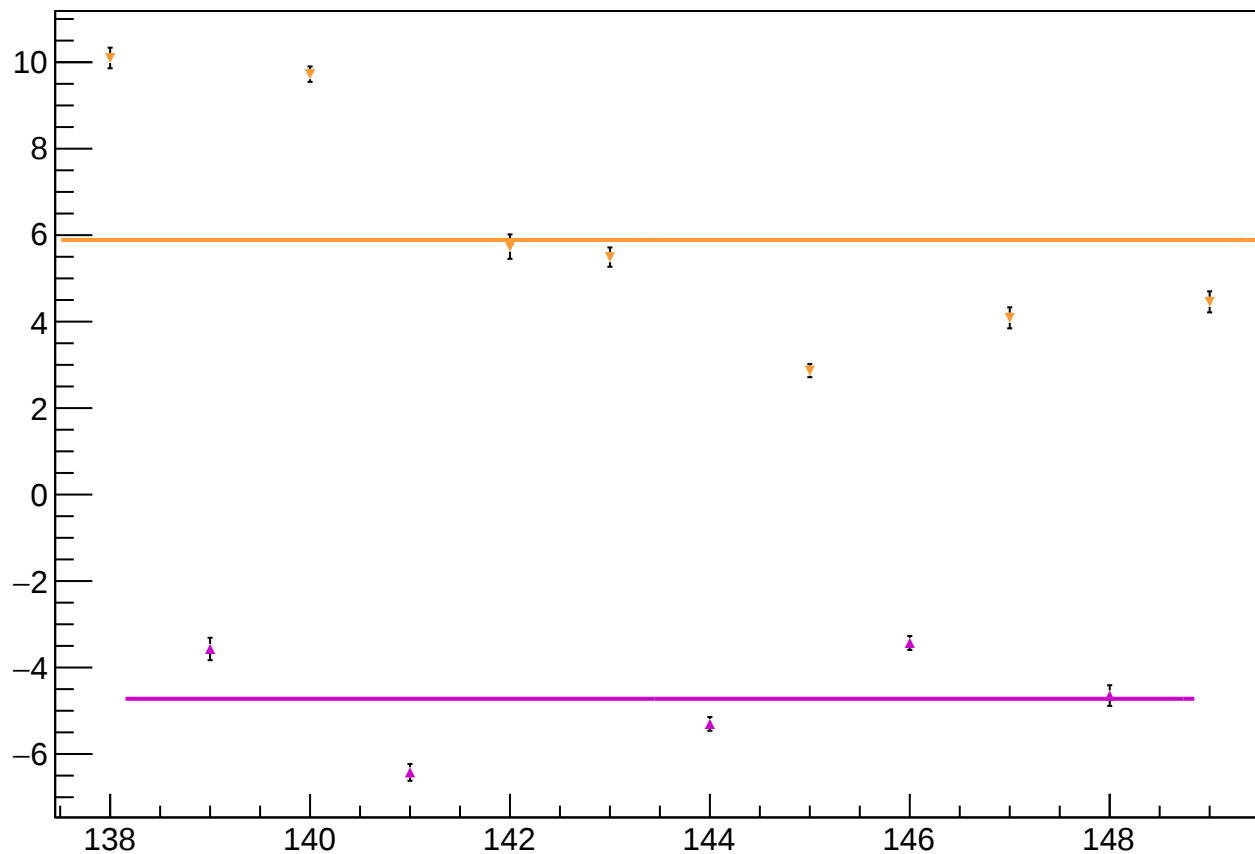
Left In: -0.245 ± 0.014 $\chi^2/\text{NDF}: 63.9/4$

0.189 ± 0.012 $\chi^2/\text{NDF}: 1604.1/23$

0.069 ± 0.008 $\chi^2/\text{NDF}: 3736.8/48$

-0.067 ± 0.012 $\chi^2/\text{NDF}: 1905.6/24$

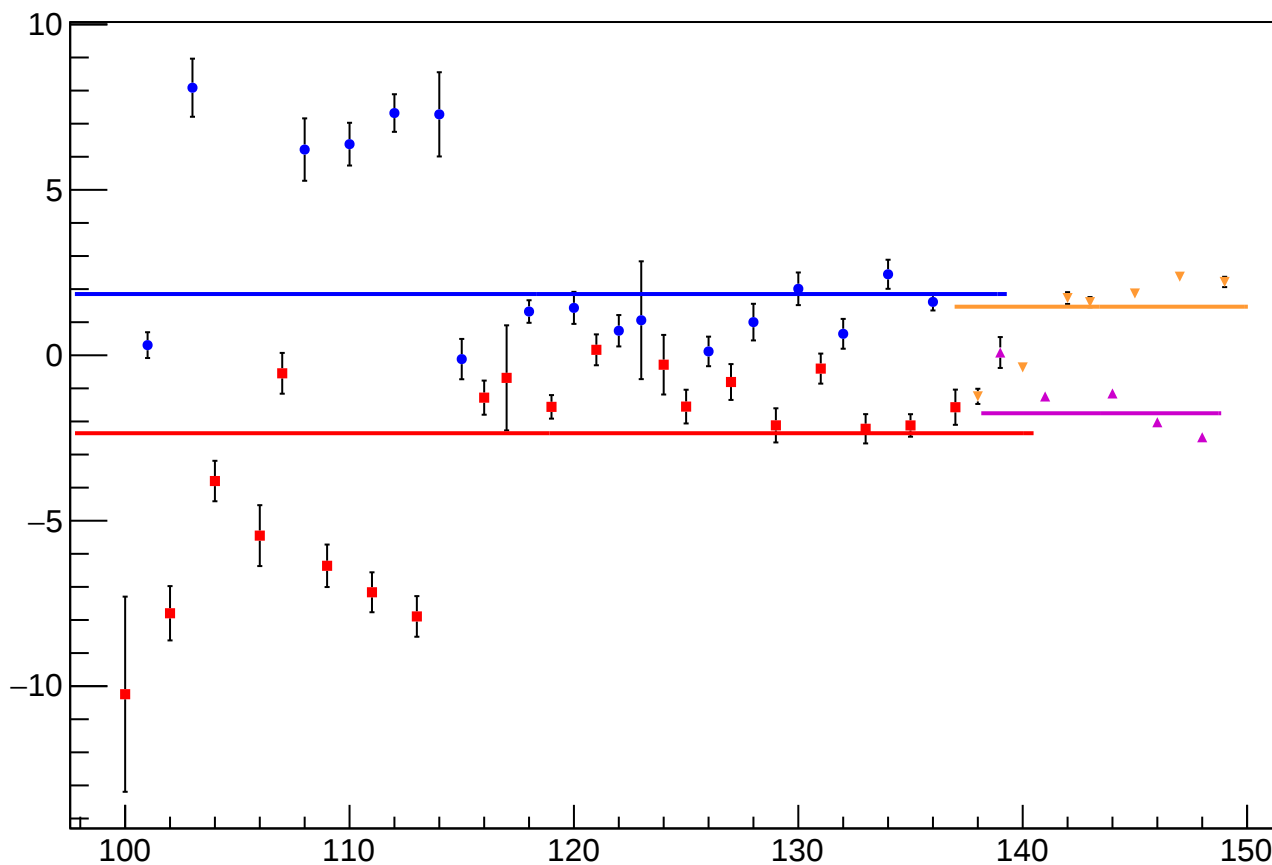
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.890 $\pm$ 0.079 χ^2 /NDF:1263.3/6
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.723 $\pm$ 0.085 χ^2 /NDF:174.2/4

5.890 $\pm$ 0.079 χ^2 /NDF: 1263.3/6
 0.968 $\pm$ 0.058 χ^2 /NDF: 9720.0/11
 -4.723 $\pm$ 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: 1.469 ± 0.056 χ^2/NDF : 399.6/6

Right Out: -2.355 ± 0.122 χ^2/NDF : 337.4/19

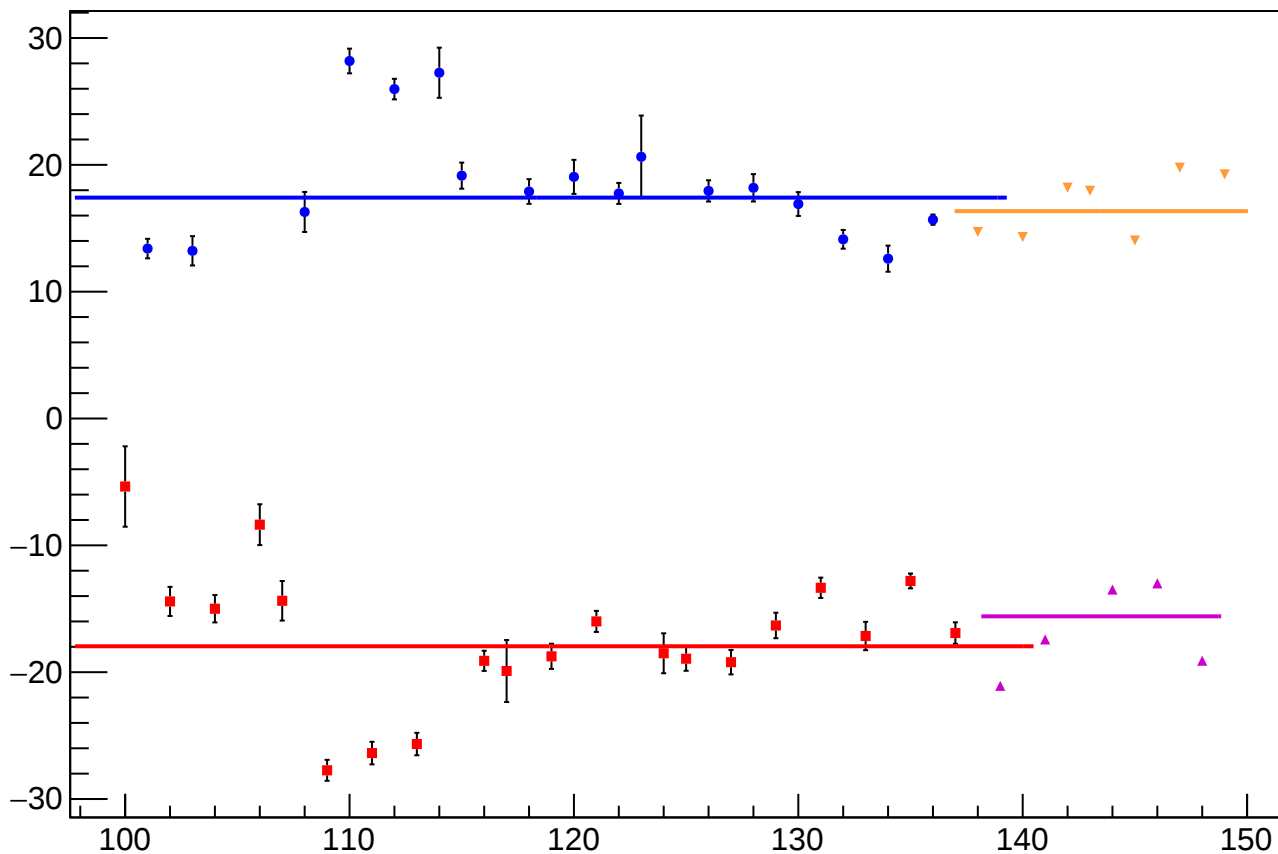
Left In: -1.752 ± 0.056 χ^2/NDF : 103.9/4

1.539 ± 0.050 χ^2/NDF : 702.5/23

-0.126 ± 0.036 χ^2/NDF : 3406.9/48

-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 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 16.352 $\pm$ 0.082 χ^2 /NDF: 833.3/6

Right Out: -17.957 $\pm$ 0.218 χ^2 /NDF: 506.2/19

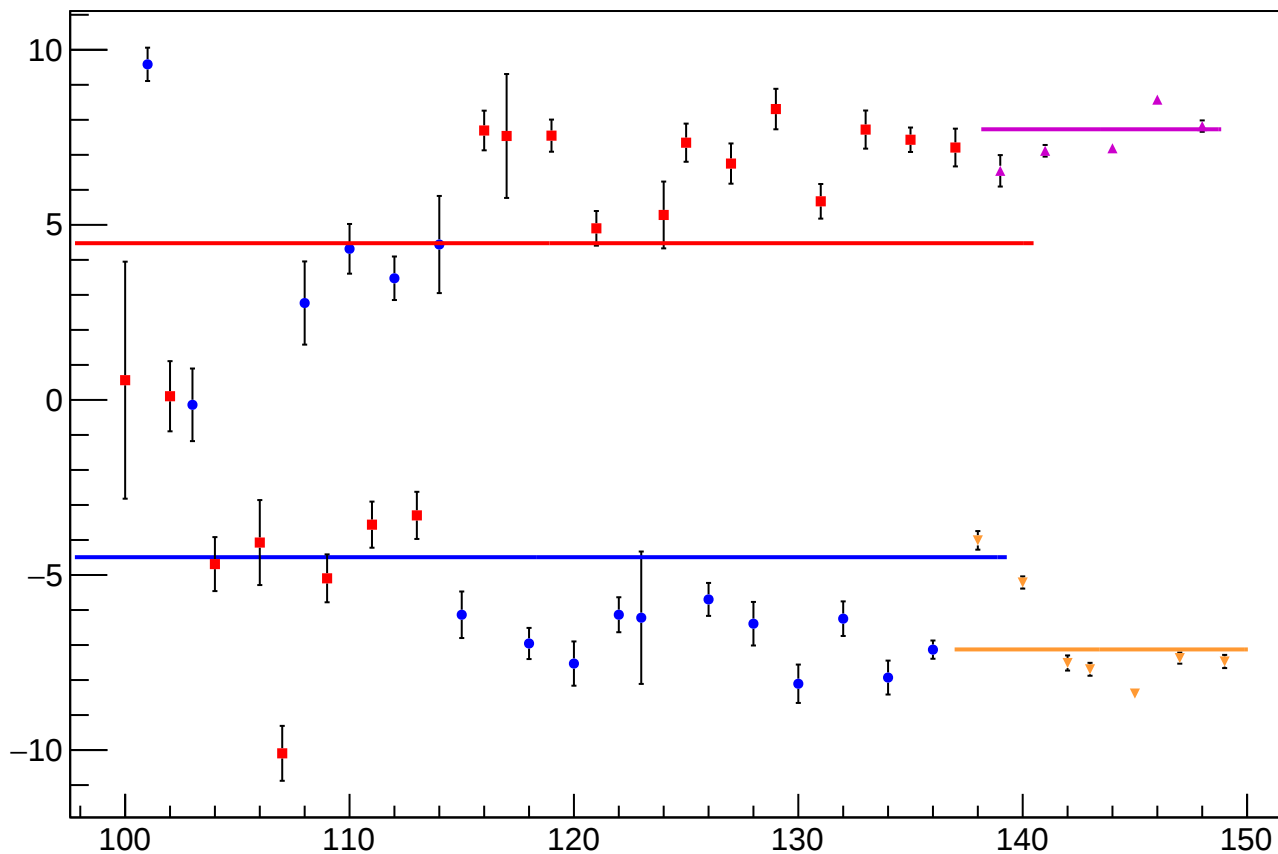
Left In: -15.597 $\pm$ 0.087 χ^2 /NDF: 1140.6/4

16.490 $\pm$ 0.077 χ^2 /NDF: 1222.2/23

1.125 $\pm$ 0.056 χ^2 /NDF: 87762.6/48

-15.920 $\pm$ 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 $\chi^2/\text{NDF}: 1585.4/16$

Left Out: -7.126 ± 0.068 $\chi^2/\text{NDF}: 354.8/6$

Right Out: 4.476 ± 0.137 $\chi^2/\text{NDF}: 1342.0/19$

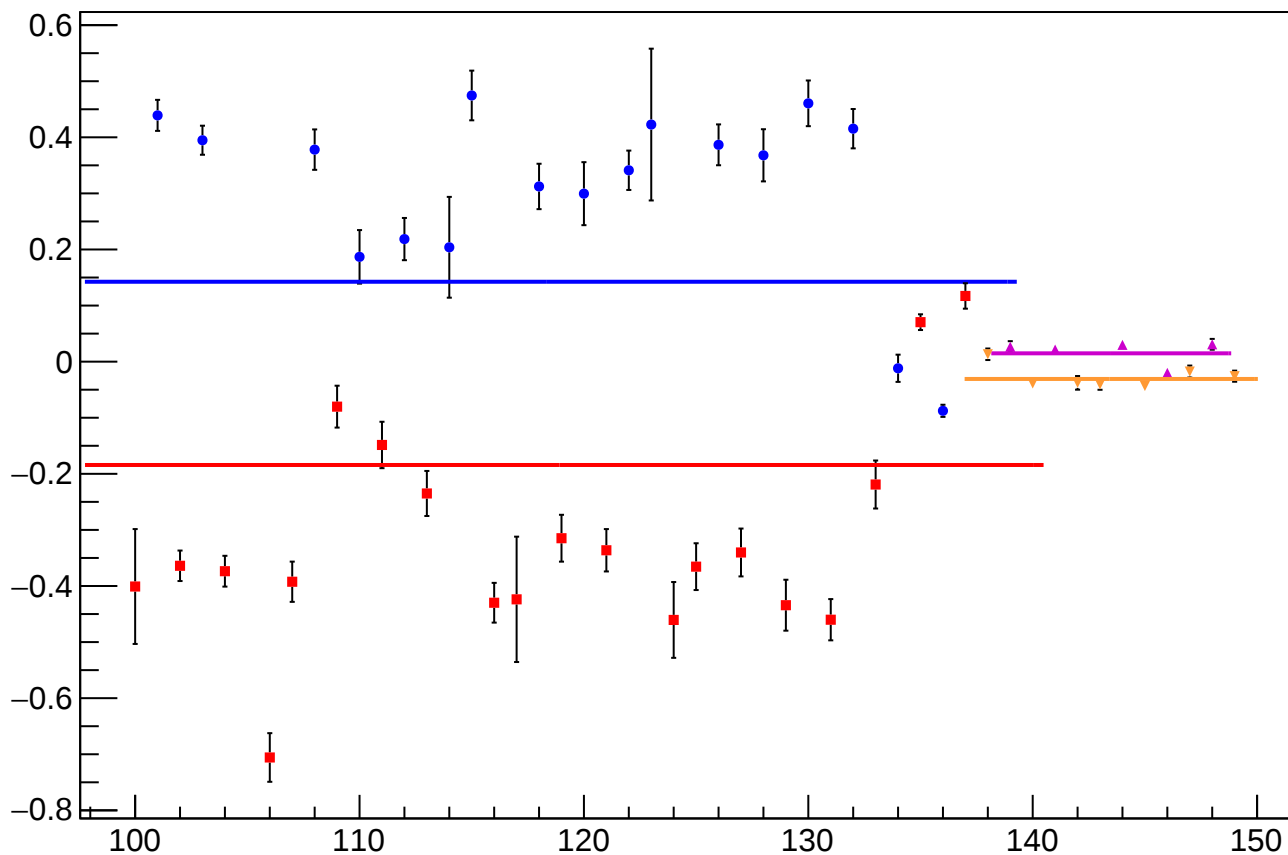
Left In: 7.730 ± 0.071 $\chi^2/\text{NDF}: 83.8/4$

-6.561 ± 0.060 $\chi^2/\text{NDF}: 2260.7/23$

-0.028 ± 0.044 $\chi^2/\text{NDF}: 28475.8/48$

7.041 ± 0.063 $\chi^2/\text{NDF}: 1873.0/24$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.031 ± 0.003 χ^2/NDF : 26.4/6

Right Out: -0.184 ± 0.007 χ^2/NDF : 1005.5/19

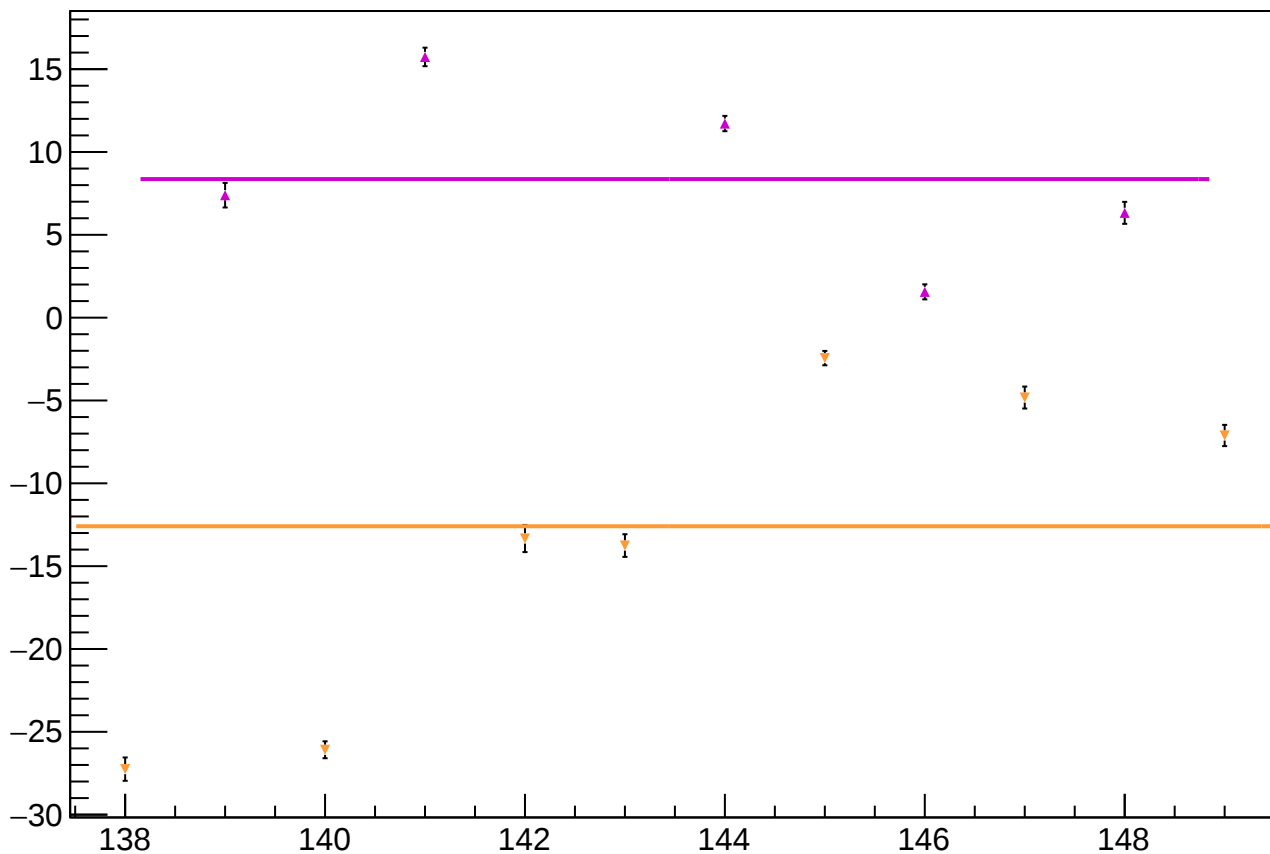
Left In: 0.015 ± 0.004 χ^2/NDF : 32.4/4

0.002 ± 0.003 χ^2/NDF : 1572.2/23

-0.011 ± 0.002 χ^2/NDF : 3226.0/48

-0.025 ± 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: -12.592+/-0.226 χ^2/NDF : 1892.1/6

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

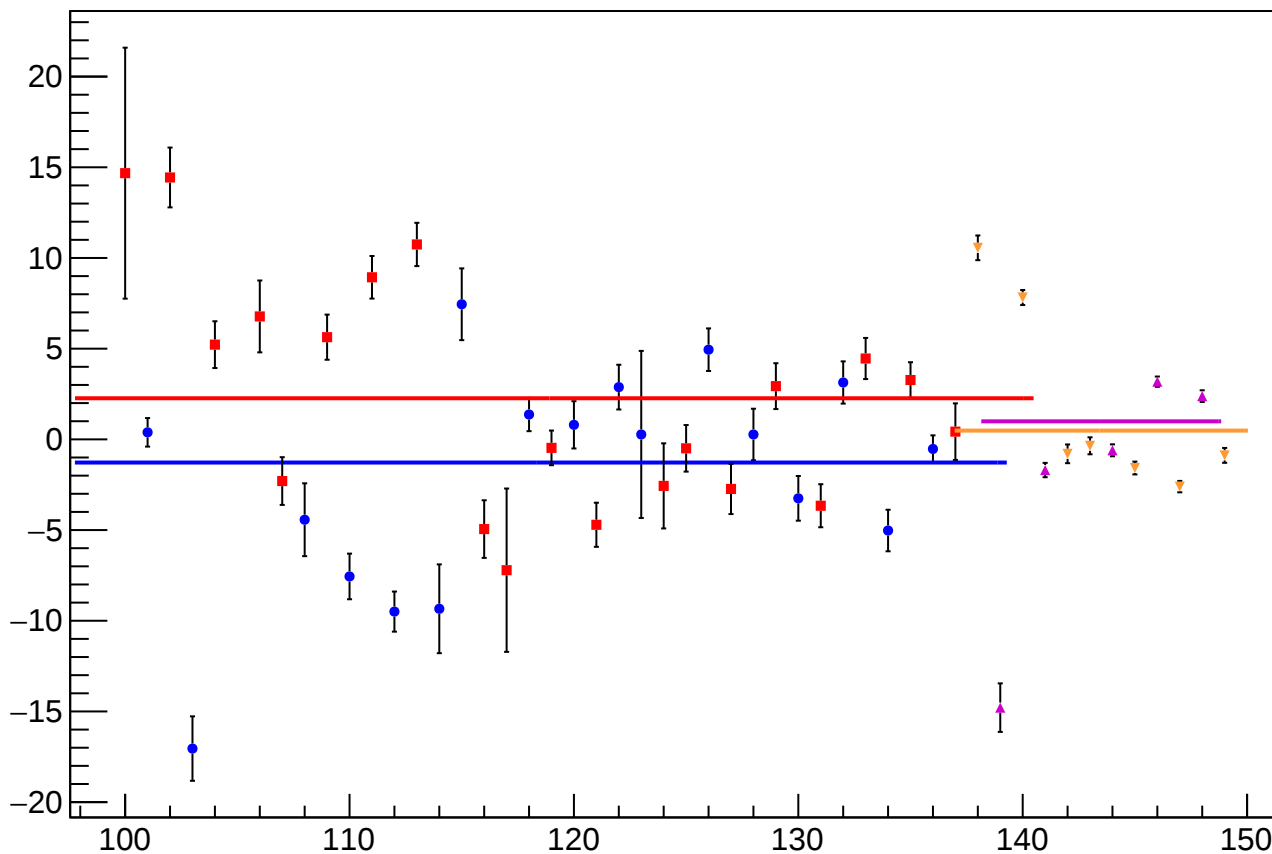
Left In: 8.363+/-0.244 χ^2/NDF : 462.5/4

-12.592+/-0.226 χ^2/NDF : 1892.1/6

-2.884+/-0.166 χ^2/NDF : 6322.1/11

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: 0.483 ± 0.157 χ^2/NDF : 683.7/6

Right Out: 2.266 ± 0.302 χ^2/NDF : 289.8/19

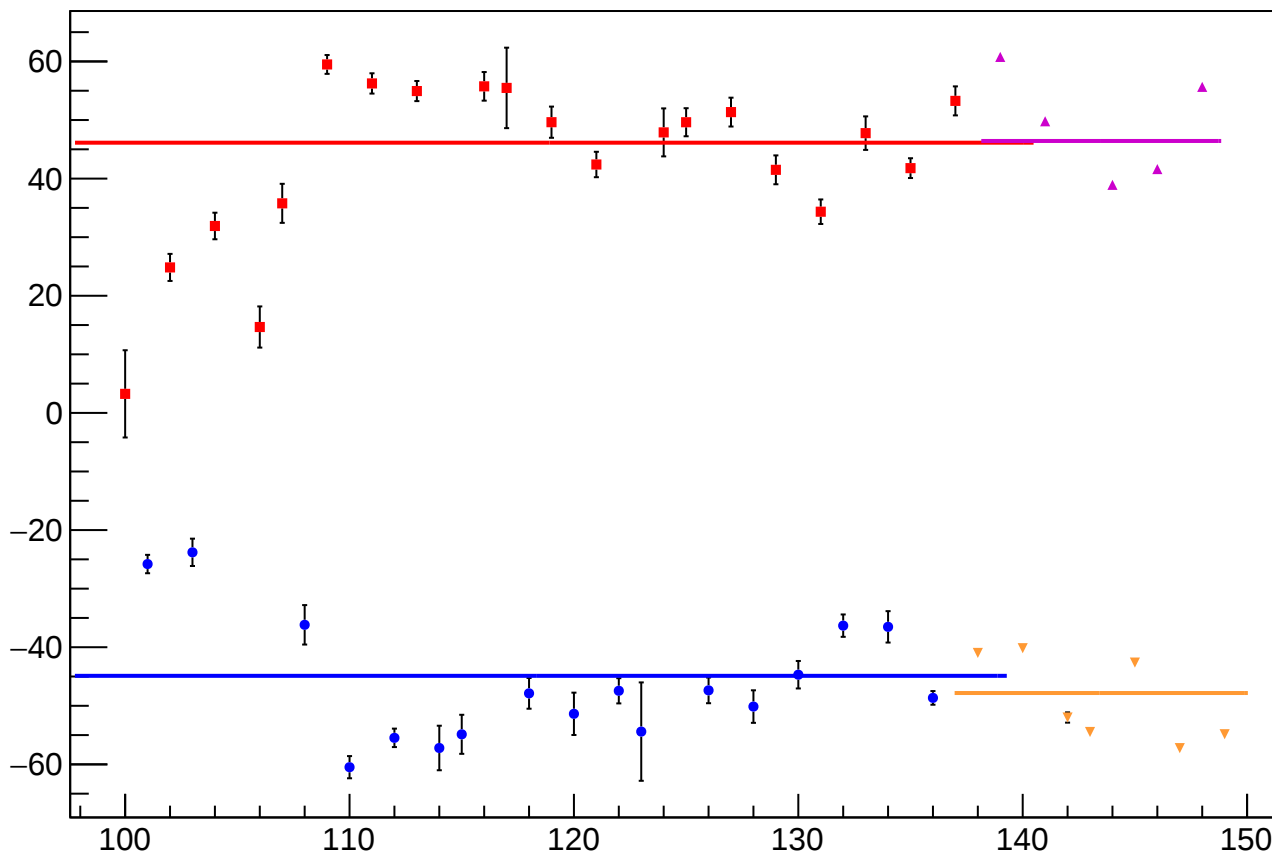
Left In: 0.994 ± 0.162 χ^2/NDF : 287.0/4

0.088 ± 0.139 χ^2/NDF : 988.3/23

0.666 ± 0.099 χ^2/NDF : 1614.7/48

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 χ^2/NDF : 421.0/16

Left Out: -47.818±/0.233 χ^2/NDF : 880.7/6

Right Out: 46.130±/0.527 χ^2/NDF : 456.1/19

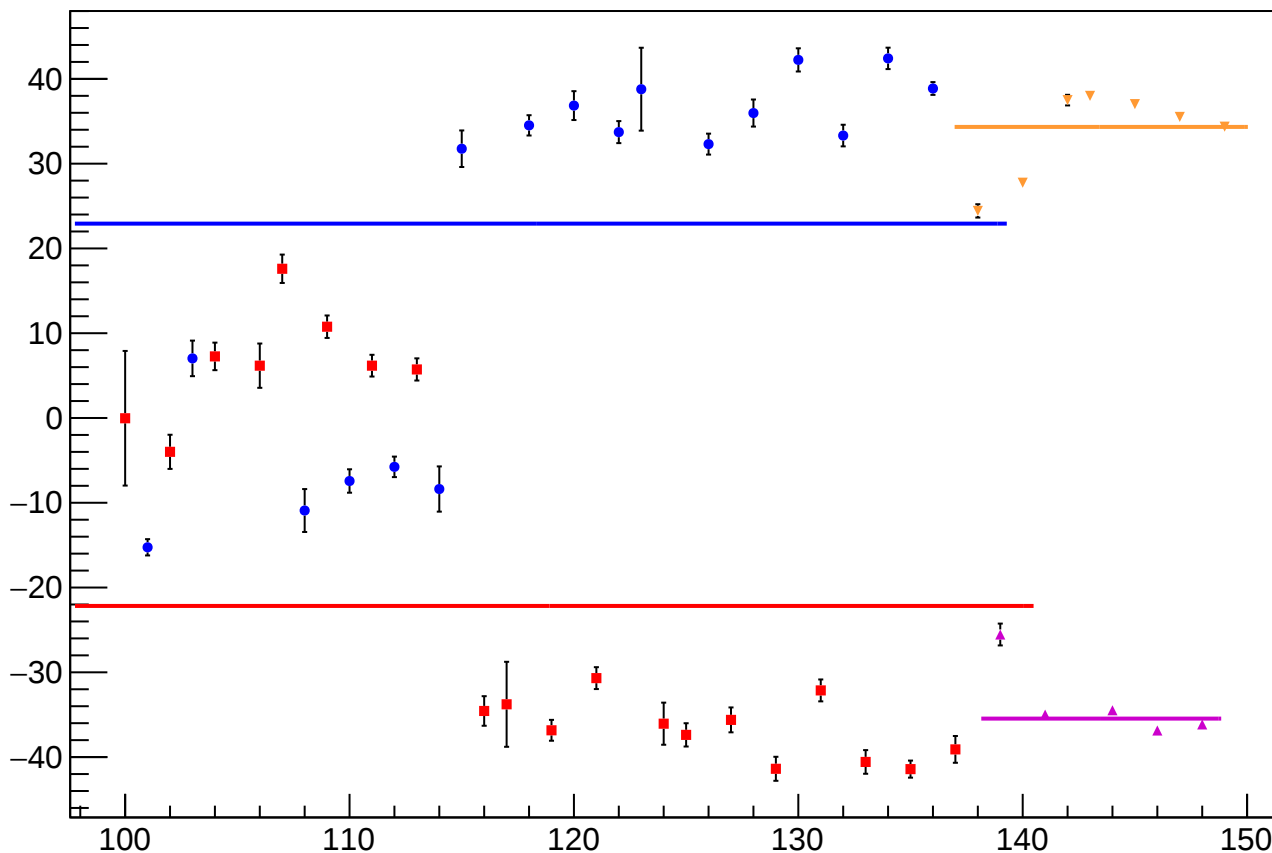
Left In: 46.425±/0.248 χ^2/NDF : 923.0/4

-47.333±/0.213 χ^2/NDF : 1327.9/23

-2.855±/0.154 χ^2/NDF : 94546.2/48

46.371±/0.224 χ^2/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: 34.334+/-0.193 χ^2/NDF : 449.9/6

Right Out: -22.170+/-0.339 χ^2/NDF : 4038.8/19

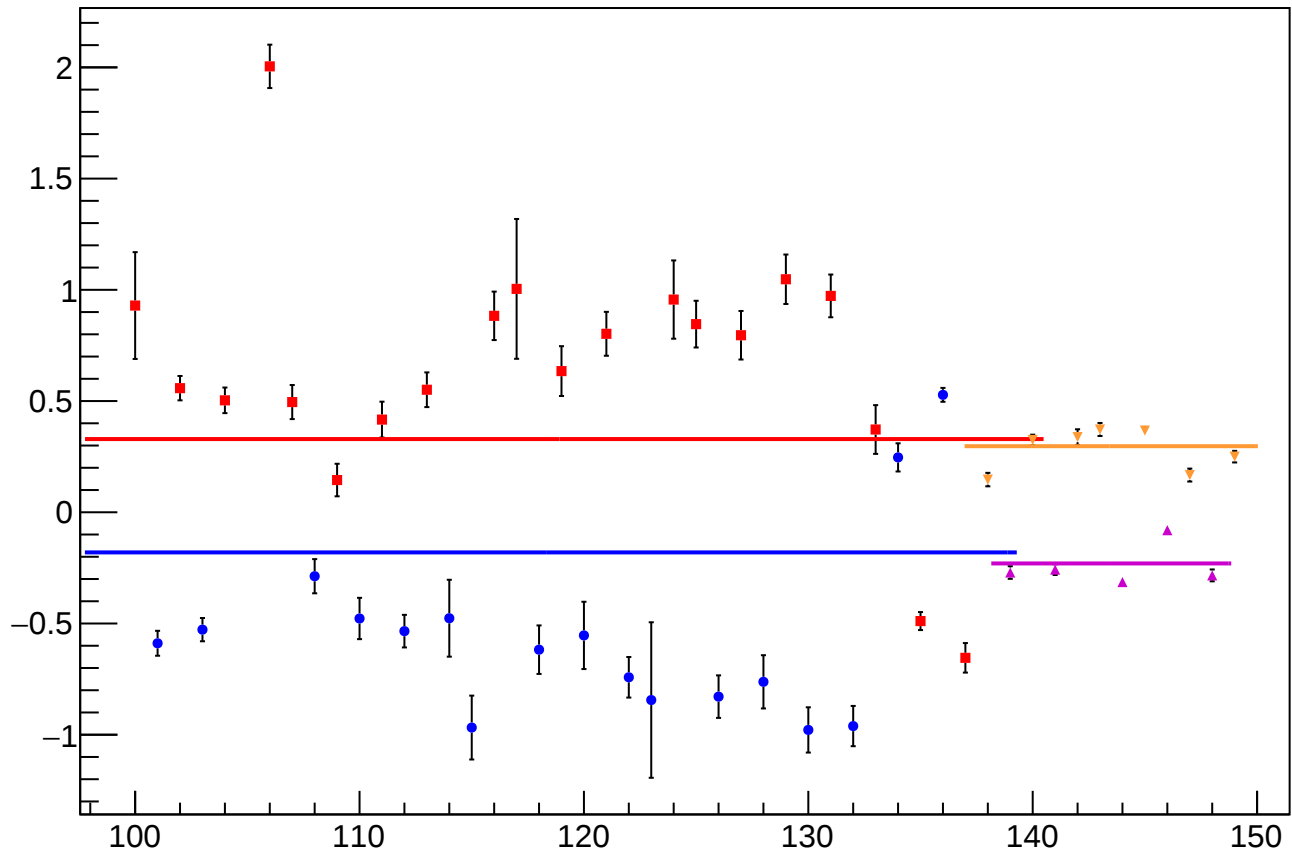
Left In: -35.460+/-0.203 χ^2/NDF : 84.5/4

31.392+/-0.167 χ^2/NDF : 5677.4/23

1.068+/-0.120 χ^2/NDF : 80139.6/48

-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 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.297 ± 0.010 χ^2/NDF : 72.2/6

Right Out: 0.329 ± 0.018 χ^2/NDF : 1180.2/19

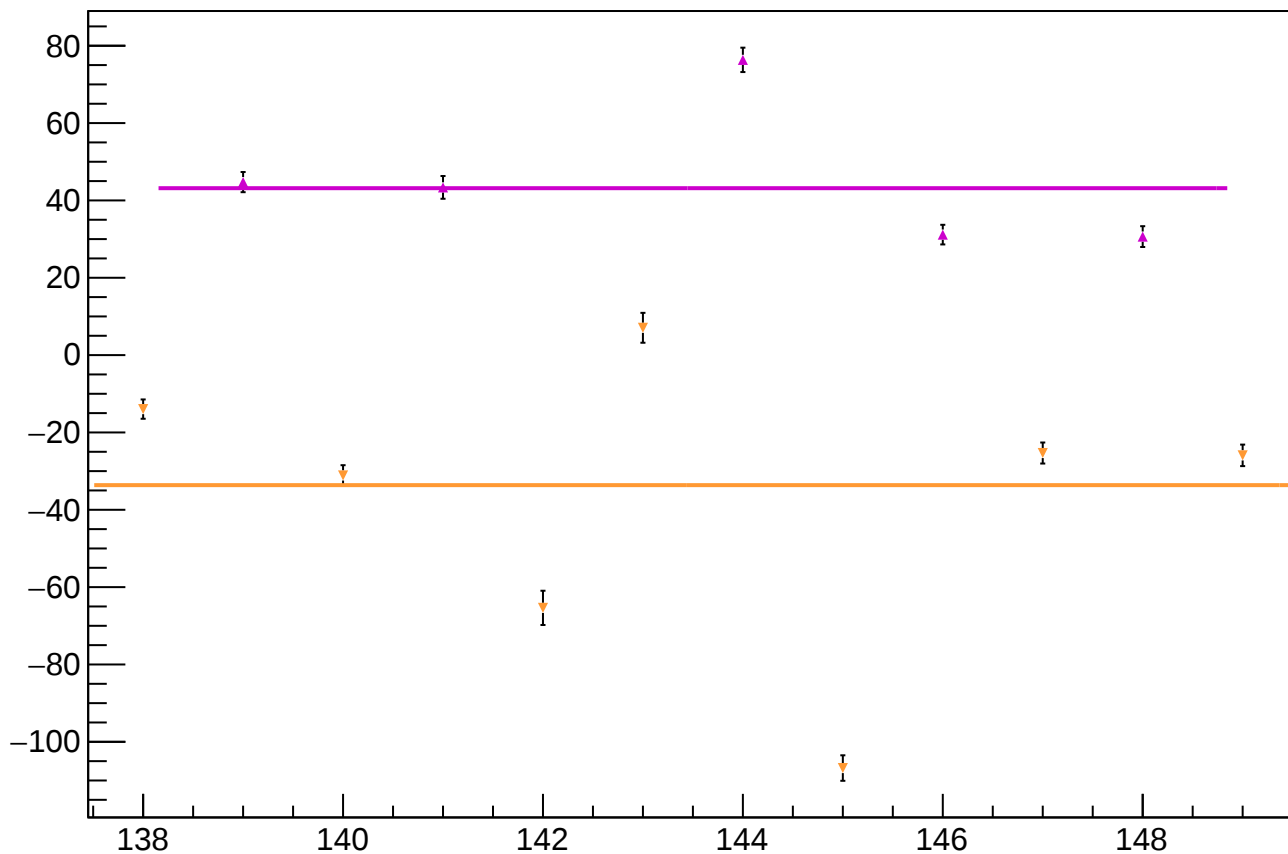
Left In: -0.230 ± 0.011 χ^2/NDF : 76.3/4

0.187 ± 0.009 χ^2/NDF : 1623.5/23

0.058 ± 0.006 χ^2/NDF : 4074.5/48

-0.089 ± 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: -33.625+/-1.134 χ^2/NDF : 734.7/6

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

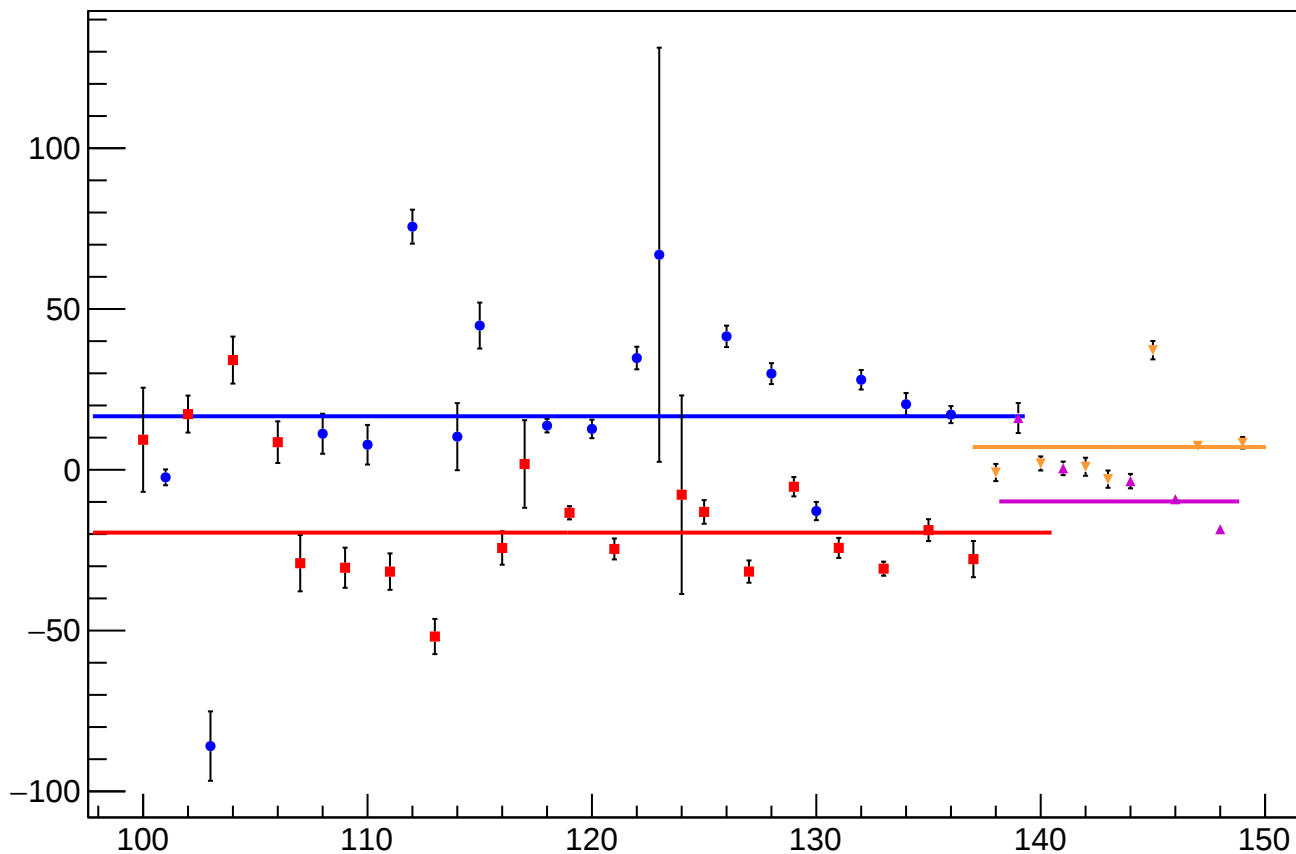
Left In: 43.165+/-1.234 χ^2/NDF : 155.2/4

-33.625+/-1.134 χ^2/NDF : 734.7/6

1.546+/-0.835 χ^2/NDF : 2988.7/11

43.165+/-1.234 χ^2/NDF : 155.2/4

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 7.066 ± 0.779 χ^2/NDF : 144.5/6

Right Out: -19.540 ± 0.894 χ^2/NDF : 244.1/19

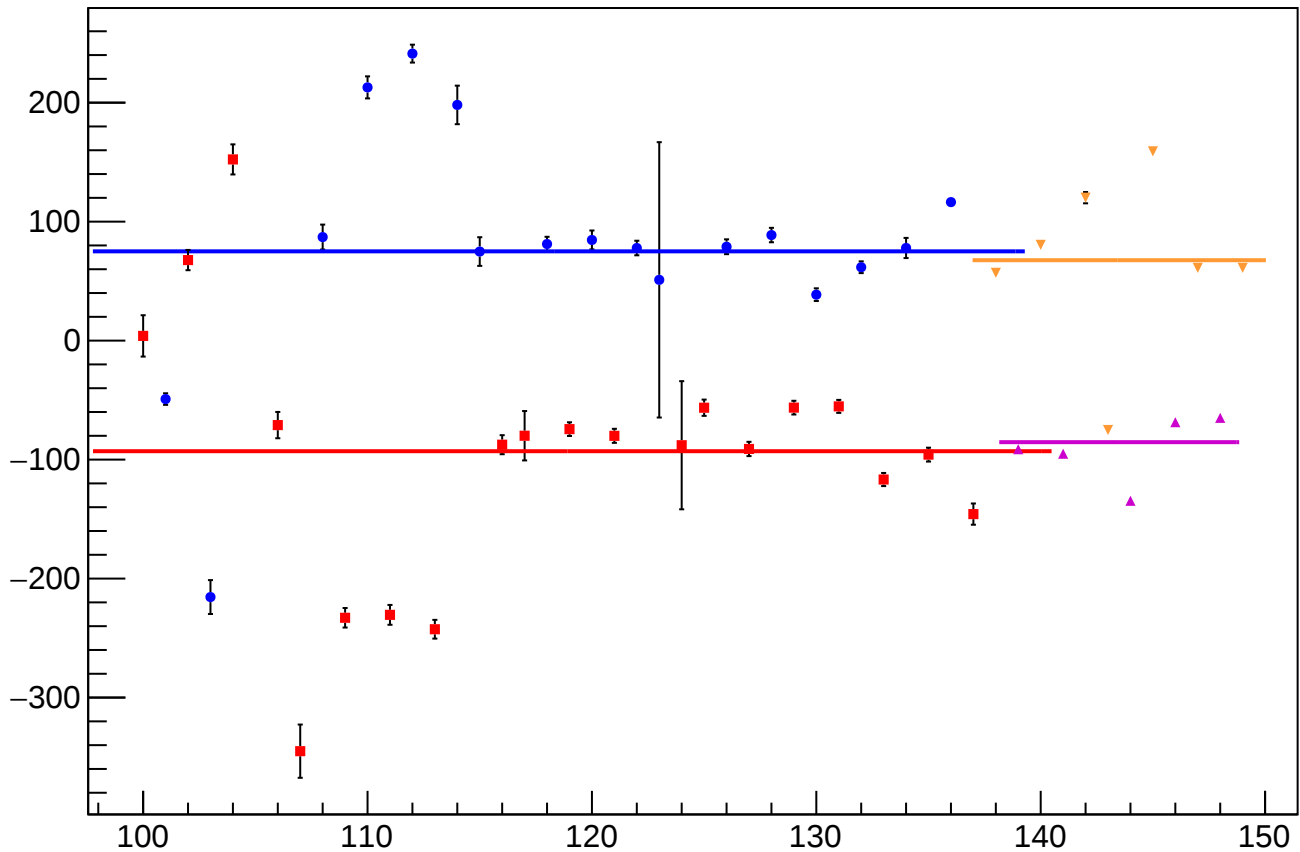
Left In: -9.843 ± 0.814 χ^2/NDF : 106.6/4

11.387 ± 0.577 χ^2/NDF : 731.6/23

-0.882 ± 0.416 χ^2/NDF : 2091.2/48

-14.234 ± 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: 67.592 ± 1.152 χ^2/NDF : 2082.4/6

Right Out: -92.940 ± 1.706 χ^2/NDF : 2004.0/19

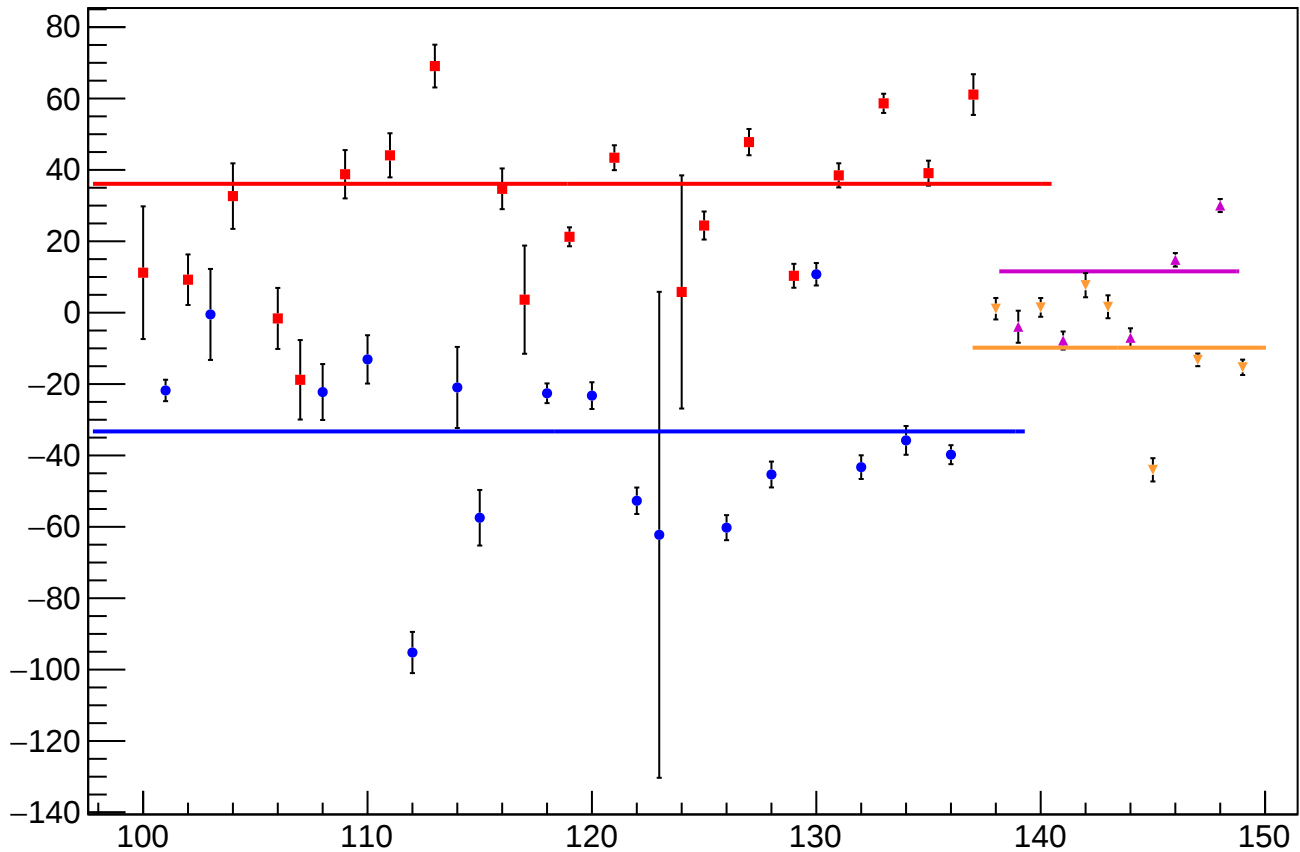
Left In: -85.346 ± 1.248 χ^2/NDF : 341.1/4

70.037 ± 0.944 χ^2/NDF : 4095.8/23

-3.884 ± 0.689 χ^2/NDF : 19561.1/48

-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: -9.809 ± 0.969 χ^2/NDF : 191.4/6

Right Out: 36.103 ± 1.022 χ^2/NDF : 302.3/19

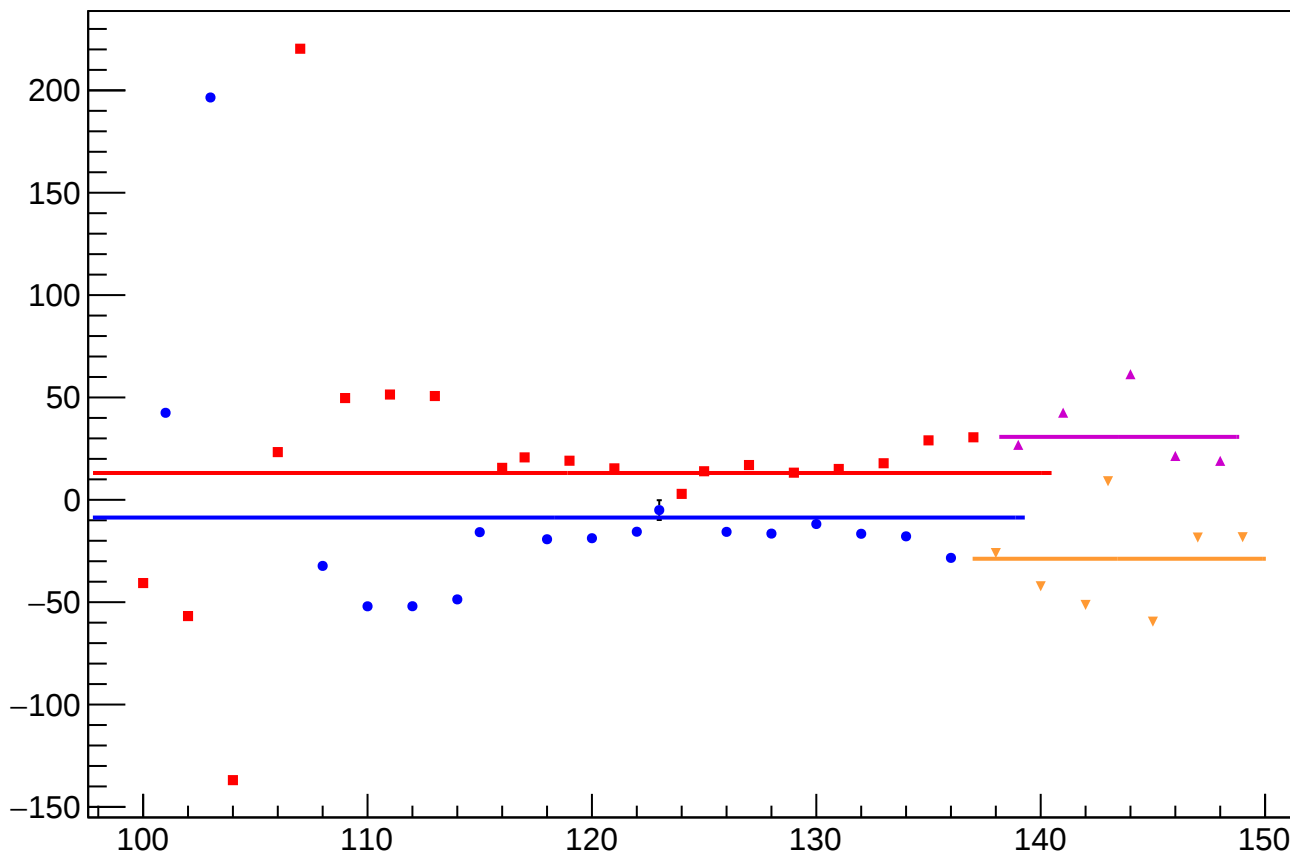
Left In: 11.575 ± 1.040 χ^2/NDF : 224.3/4

-21.386 ± 0.690 χ^2/NDF : 970.0/23

0.085 ± 0.501 χ^2/NDF : 3830.3/48

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 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -28.787 ± 0.049 $\chi^2/\text{NDF}: 147219.0/6$

Right Out: 13.109 ± 0.062 $\chi^2/\text{NDF}: 558383.6/19$

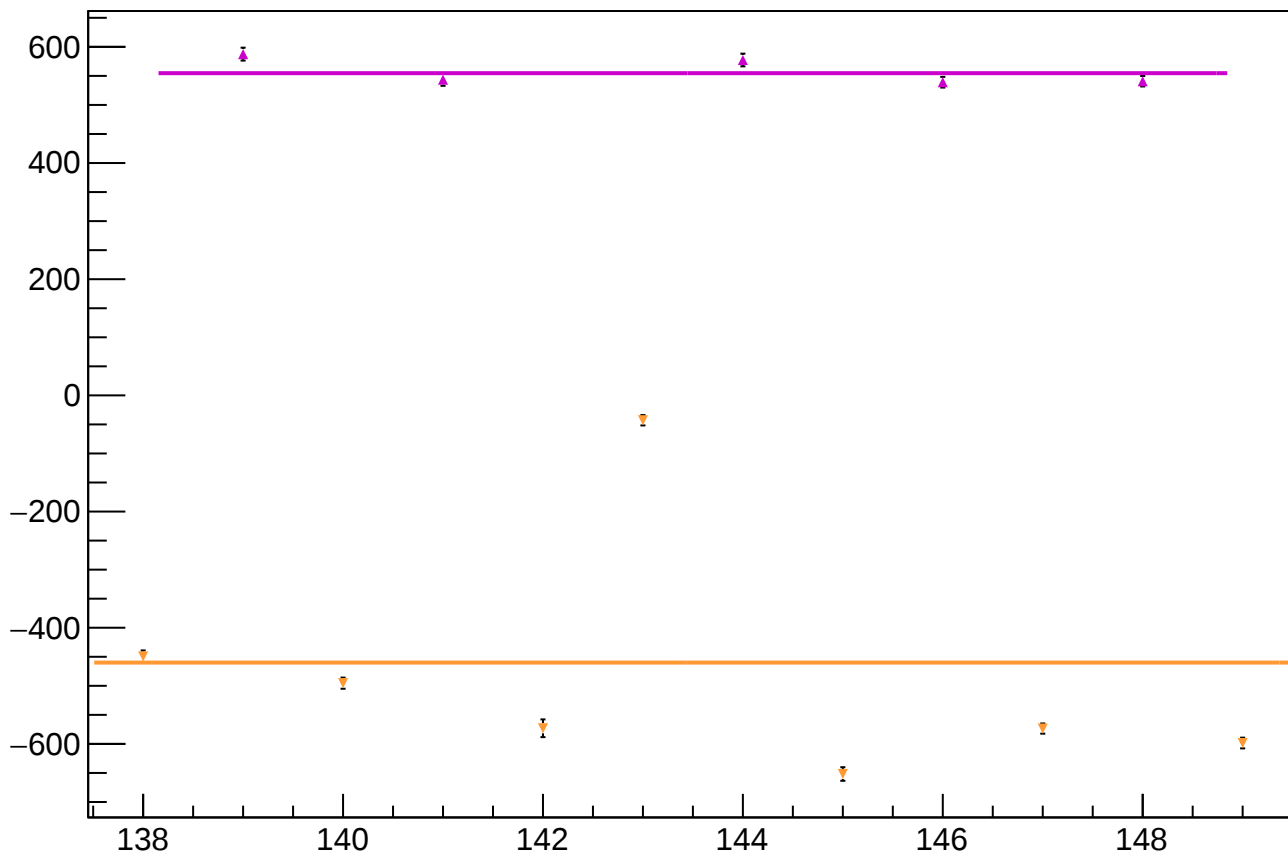
Left In: 30.747 ± 0.052 $\chi^2/\text{NDF}: 72061.4/4$

-20.673 ± 0.038 $\chi^2/\text{NDF}: 792253.5/23$

0.244 ± 0.027 $\chi^2/\text{NDF}: 2127483.6/48$

23.499 ± 0.040 $\chi^2/\text{NDF}: 678587.5/24$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -459.984+/-3.801 χ^2/NDF : 2928.1/6

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

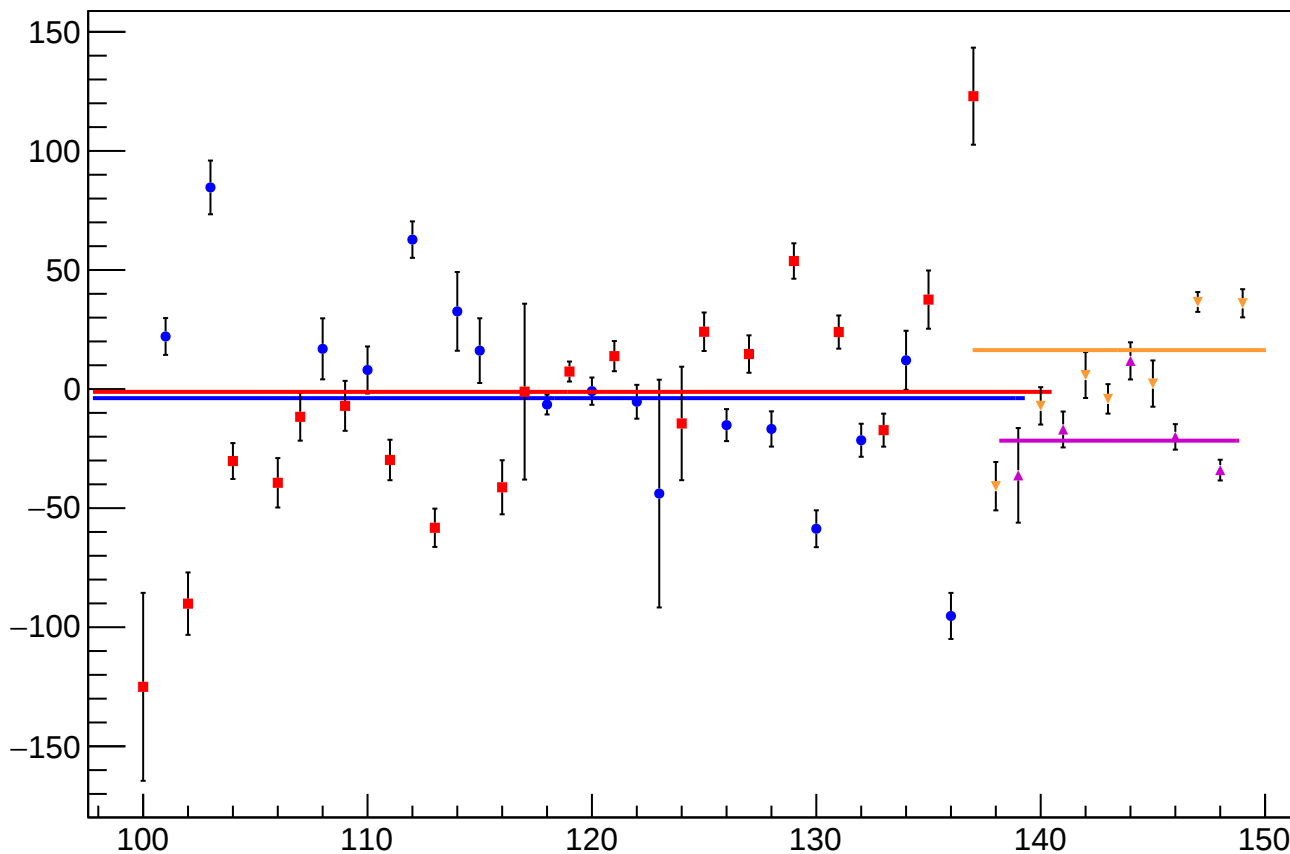
Left In: 554.679+/-4.495 χ^2/NDF : 19.3/4

-459.984+/-3.801 χ^2/NDF : 2928.1/6

-36.871+/-2.902 χ^2/NDF : 32660.6/11

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: 16.356 ± 2.502 χ^2/NDF : 89.4/6

Right Out: -1.175 ± 1.911 χ^2/NDF : 303.9/19

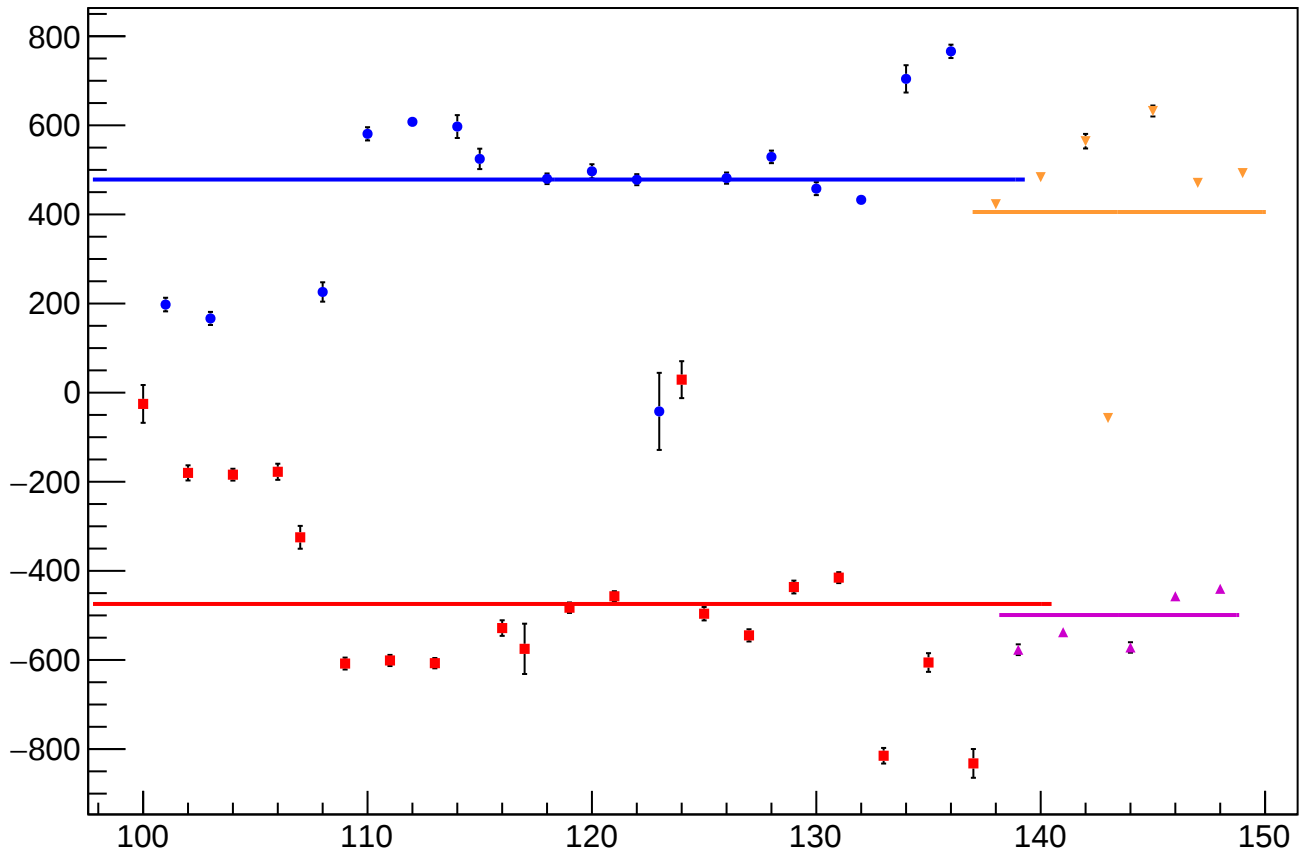
Left In: -21.658 ± 2.838 χ^2/NDF : 27.5/4

3.675 ± 1.525 χ^2/NDF : 444.5/23

-1.727 ± 1.099 χ^2/NDF : 837.9/48

-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: 405.471+/-3.854 χ^2/NDF : 3029.8/6

Right Out: -474.296+/-3.524 χ^2/NDF : 2288.2/19

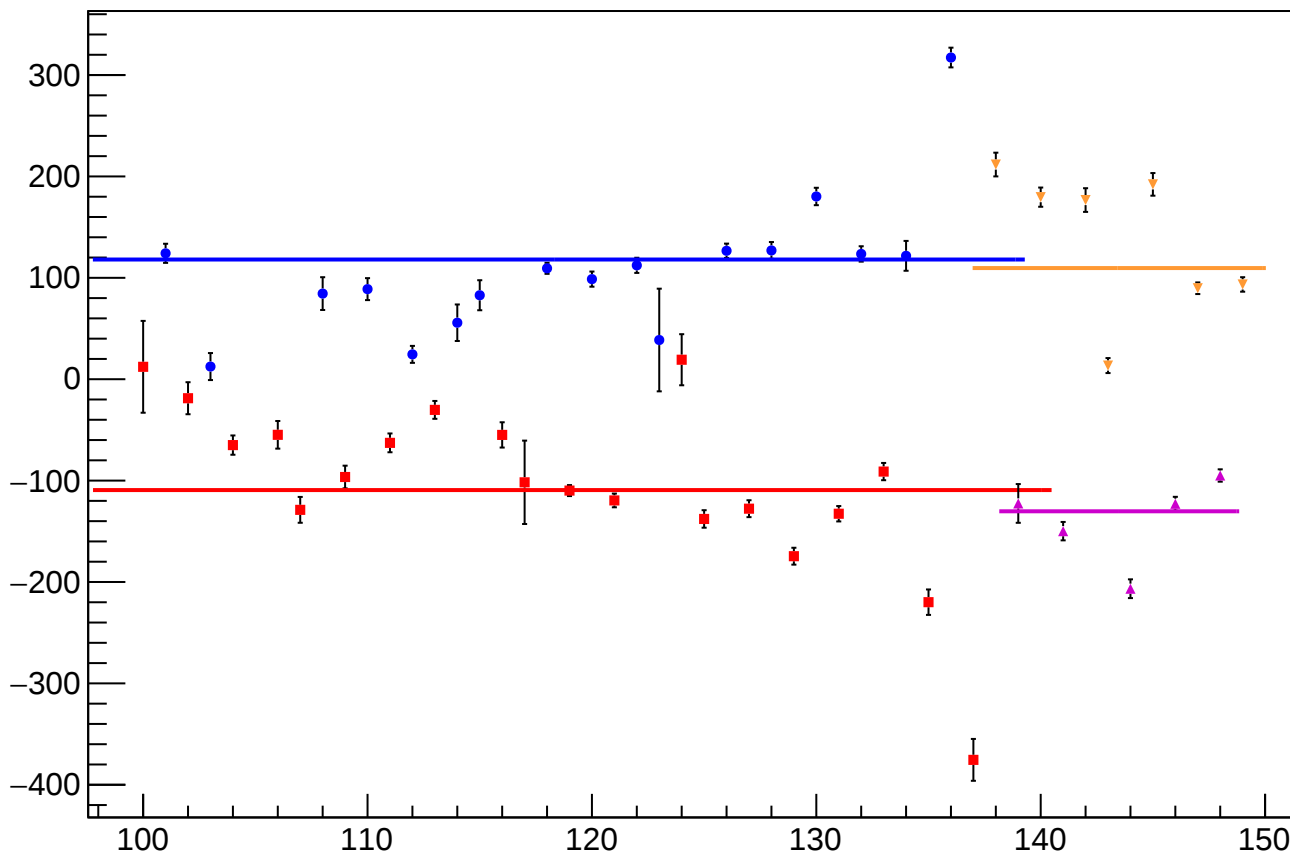
Left In: -499.120+/-4.515 χ^2/NDF : 163.9/4

443.763+/-2.655 χ^2/NDF : 4846.5/23

1.073+/-1.919 χ^2/NDF : 65573.0/48

-483.694+/-2.778 χ^2/NDF : 2470.8/24

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 $\pm$ 2.225 χ^2/NDF : 705.3/16

Left Out: 109.630 $\pm$ 3.131 χ^2/NDF : 404.5/6

Right Out: -109.345 $\pm$ 2.202 χ^2/NDF : 569.8/19

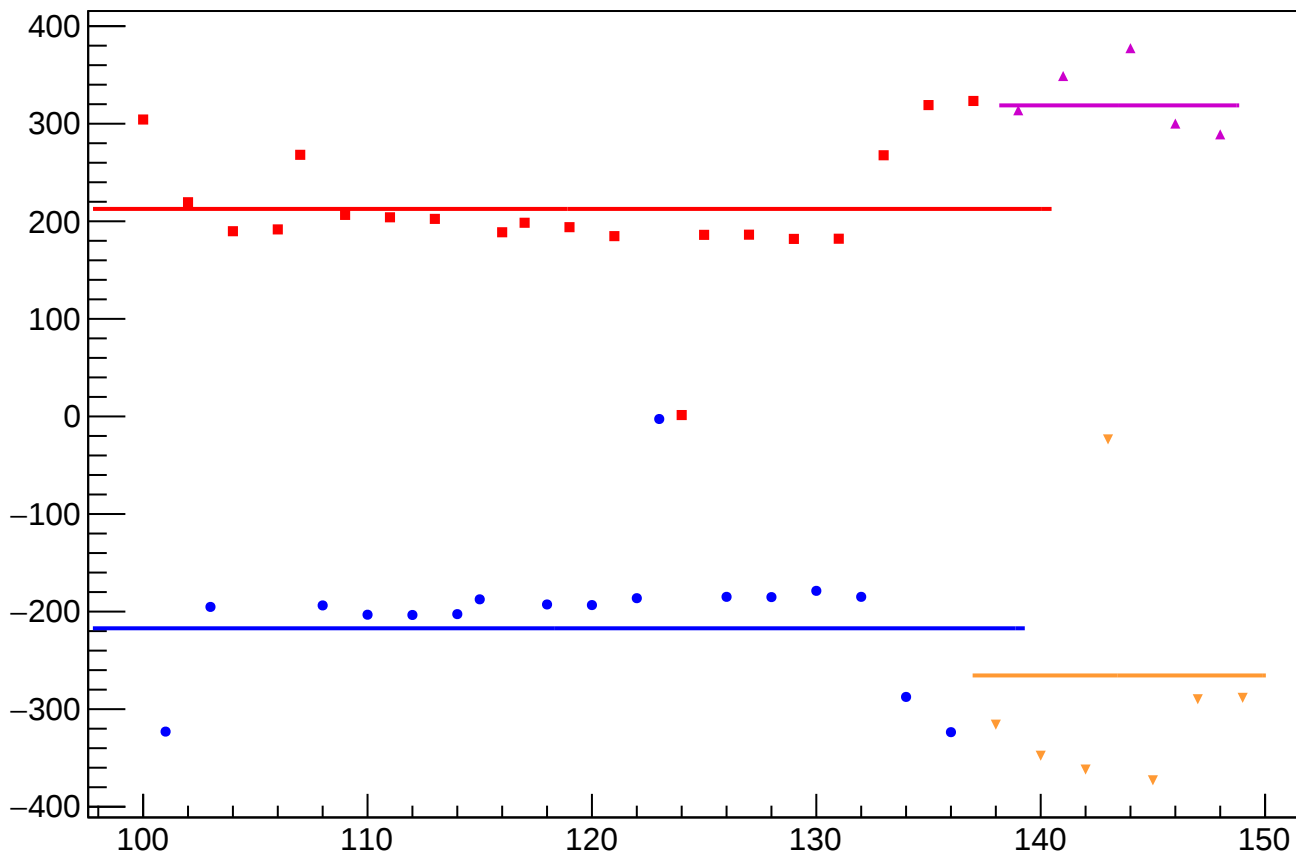
Left In: -130.276 $\pm$ 3.657 χ^2/NDF : 107.7/4

115.228 $\pm$ 1.814 χ^2/NDF : 1114.6/23

4.659 $\pm$ 1.307 χ^2/NDF : 9550.2/48

-114.912 $\pm$ 1.886 χ^2/NDF : 701.6/24

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -265.451 ± 0.164 $\chi^2/\text{NDF}: 530082.0/6$

Right Out: 212.679 ± 0.130 $\chi^2/\text{NDF}: 115596.4/19$

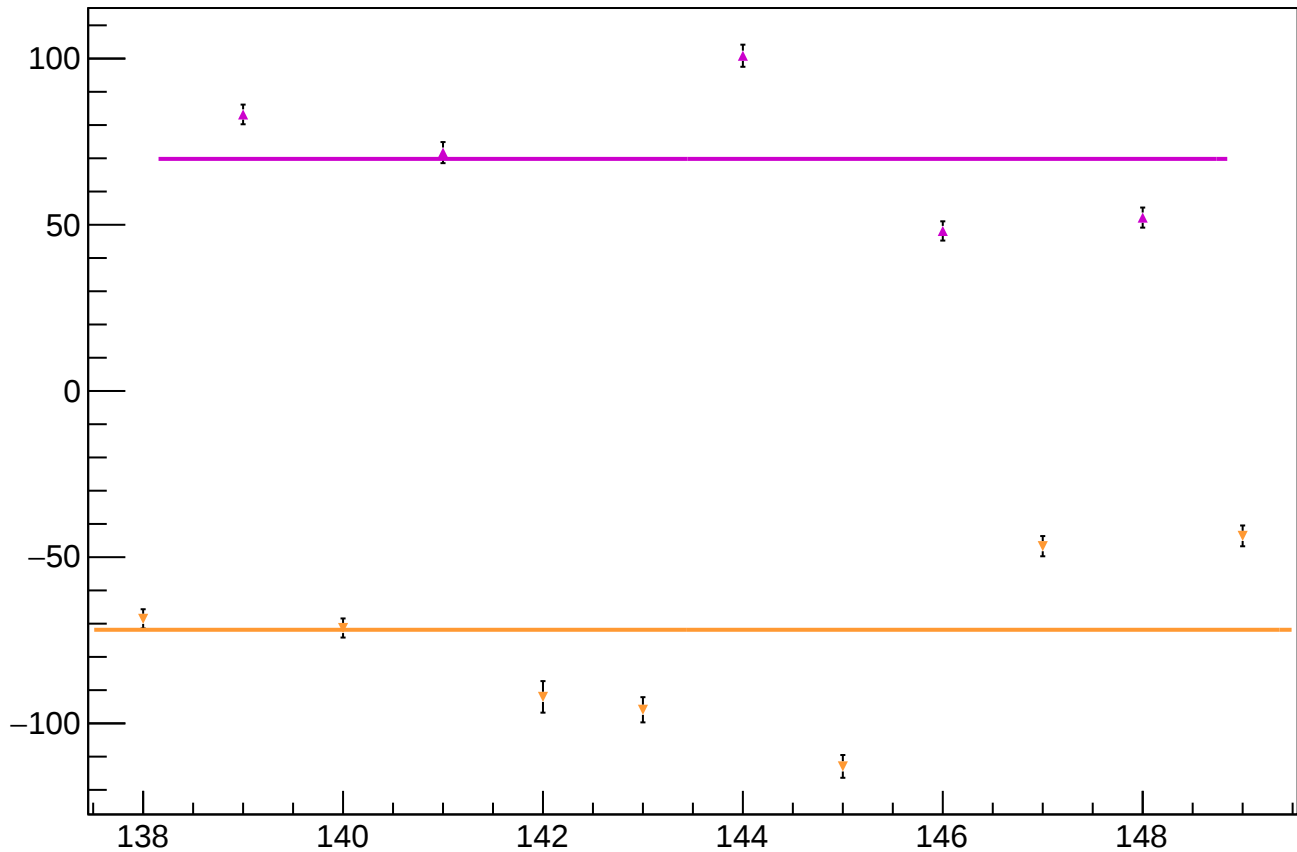
Left In: 318.784 ± 0.189 $\chi^2/\text{NDF}: 26451.9/4$

-236.972 ± 0.105 $\chi^2/\text{NDF}: 728078.6/23$

-0.394 ± 0.075 $\chi^2/\text{NDF}: 11494604.1/48$

246.717 ± 0.107 $\chi^2/\text{NDF}: 355711.0/24$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -71.839+/-1.240 χ^2/NDF : 353.4/6

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

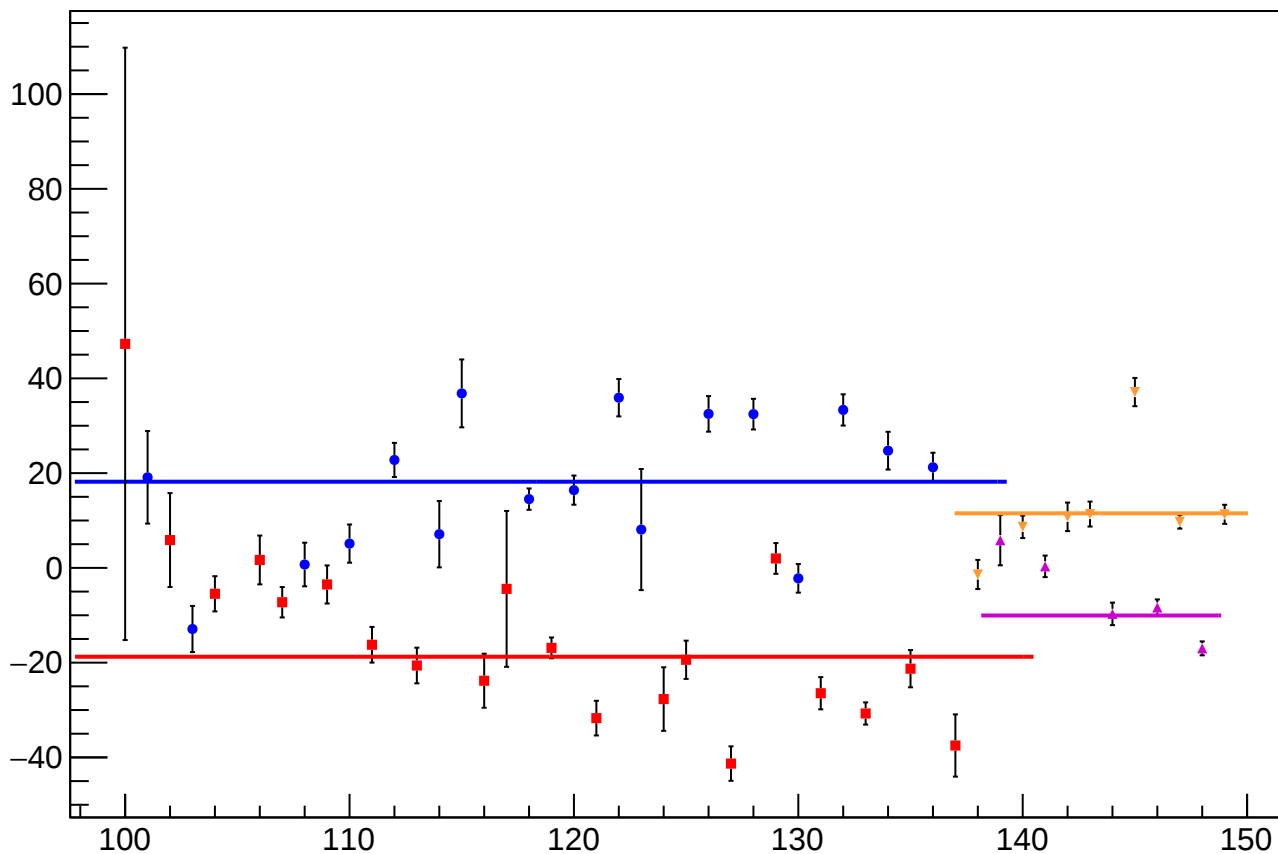
Left In: 69.822+/-1.370 χ^2/NDF : 198.0/4

-71.839+/-1.240 χ^2/NDF : 353.4/6

-8.029+/-0.919 χ^2/NDF : 6427.2/11

69.822+/-1.370 χ^2/NDF : 198.0/4

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 $\chi^2/\text{NDF}: 204.9/16$

Left Out: 11.516 ± 0.852 $\chi^2/\text{NDF}: 94.3/6$

Right Out: -18.752 ± 0.862 $\chi^2/\text{NDF}: 199.5/19$

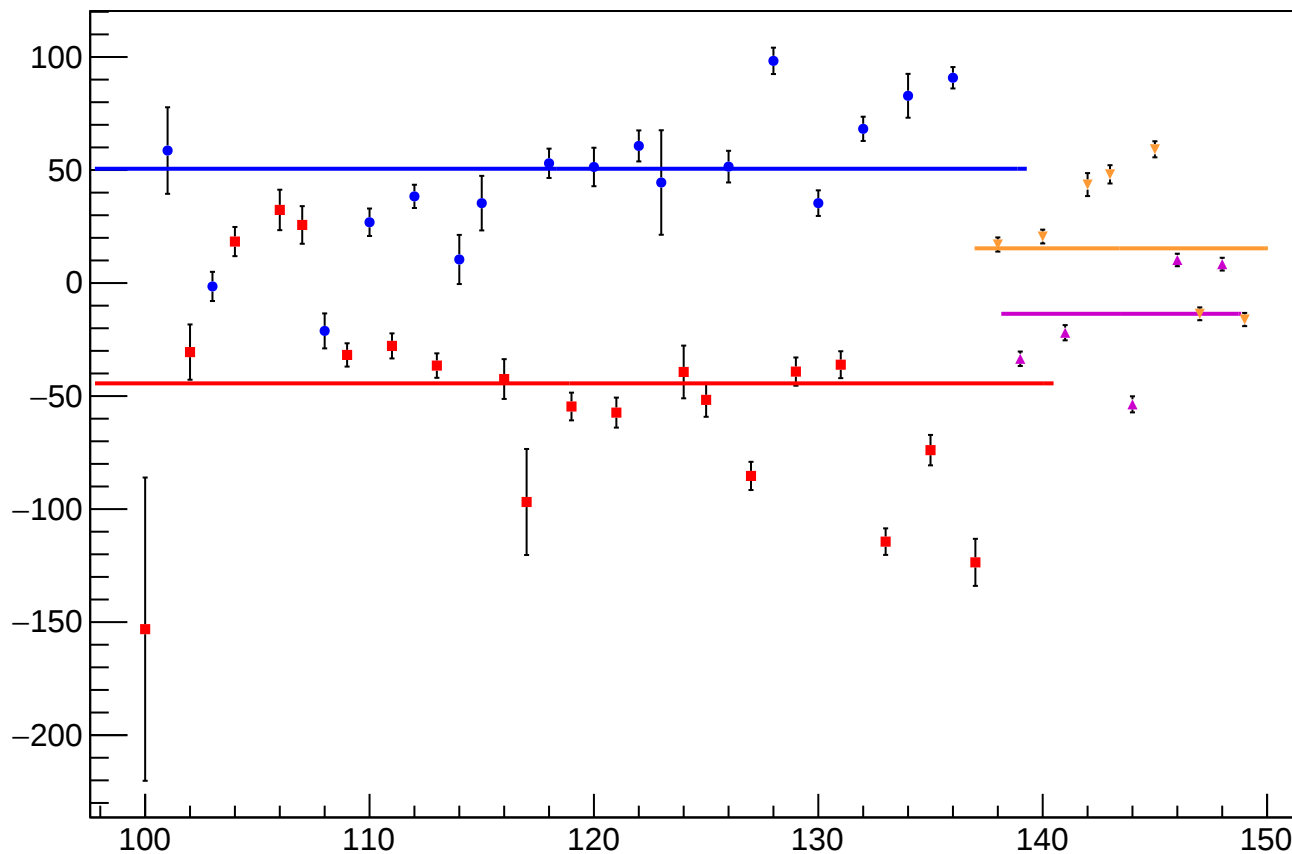
Left In: -10.050 ± 0.908 $\chi^2/\text{NDF}: 53.1/4$

14.608 ± 0.624 $\chi^2/\text{NDF}: 327.6/23$

0.004 ± 0.442 $\chi^2/\text{NDF}: 1723.7/48$

-14.630 ± 0.625 $\chi^2/\text{NDF}: 300.9/24$

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565 ± 1.678 χ^2/NDF : 357.9/16

Left Out: 15.361 ± 1.262 χ^2/NDF : 470.8/6

Right Out: -44.377 ± 1.599 χ^2/NDF : 537.6/19

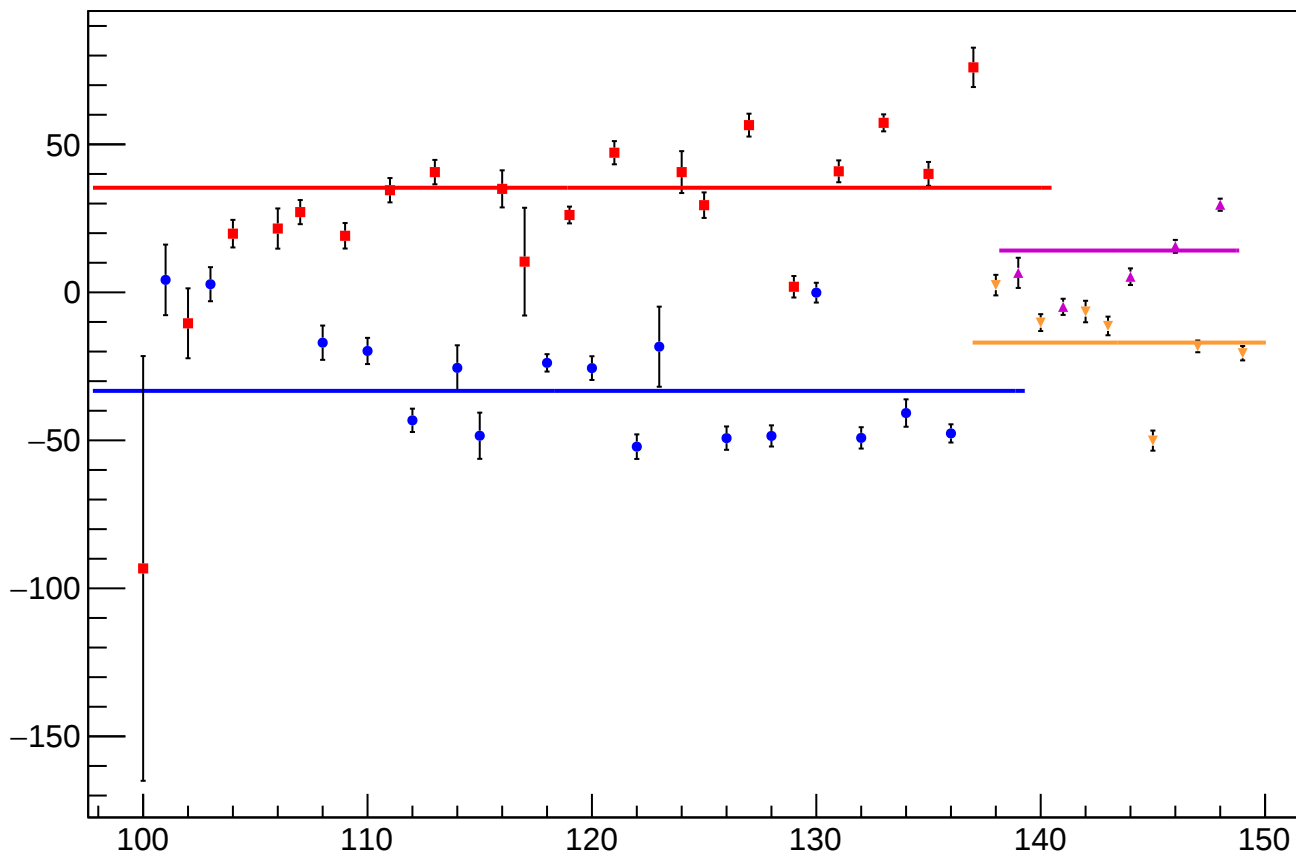
Left In: -13.600 ± 1.388 χ^2/NDF : 305.4/4

28.083 ± 1.008 χ^2/NDF : 1110.0/23

1.686 ± 0.727 χ^2/NDF : 3589.5/48

-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 $\chi^2/\text{NDF}: 290.1/16$

Left Out: -16.972 ± 1.059 $\chi^2/\text{NDF}: 146.1/6$

Right Out: 35.343 ± 0.990 $\chi^2/\text{NDF}: 291.6/19$

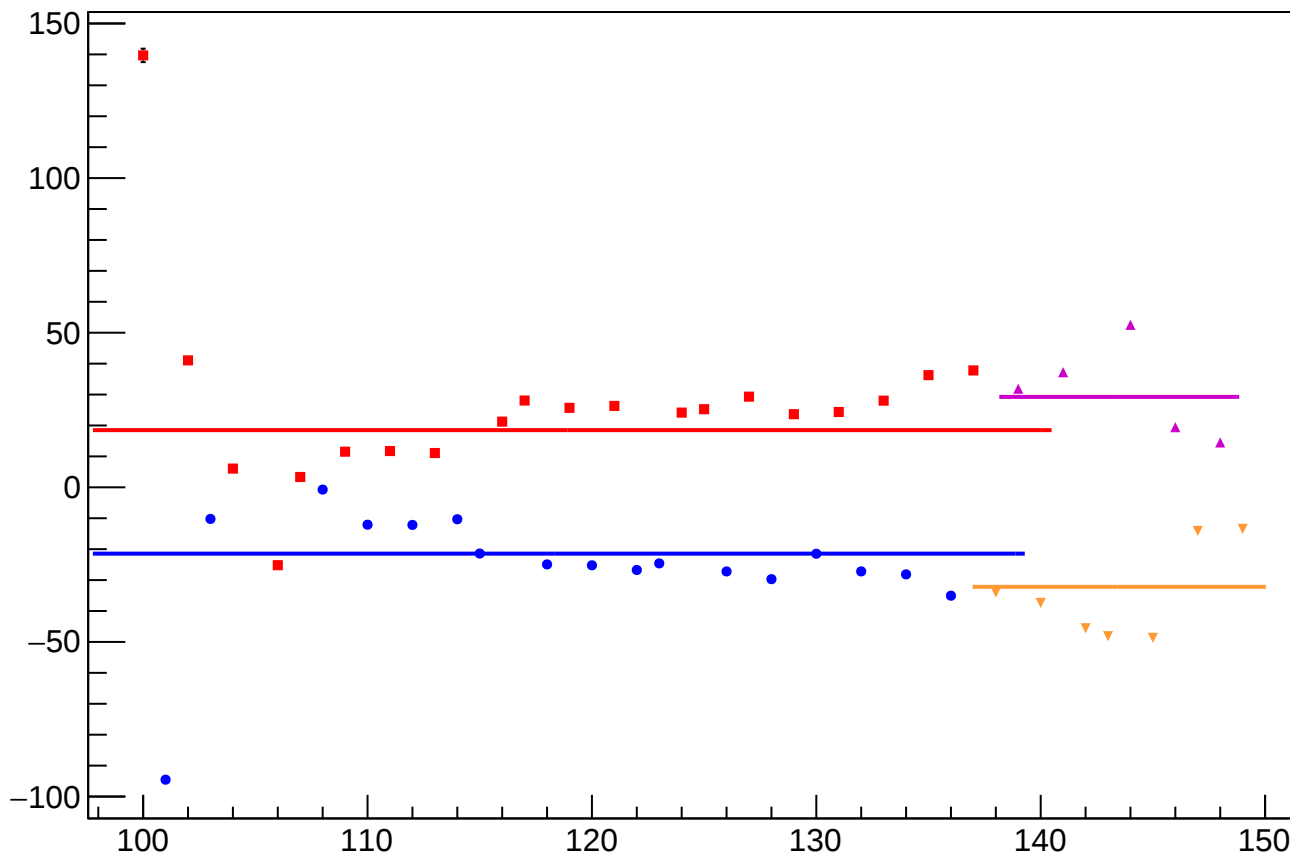
Left In: 14.130 ± 1.157 $\chi^2/\text{NDF}: 117.9/4$

-25.246 ± 0.743 $\chi^2/\text{NDF}: 556.5/23$

0.257 ± 0.529 $\chi^2/\text{NDF}: 3543.4/48$

26.381 ± 0.752 $\chi^2/\text{NDF}: 603.5/24$

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -32.178 ± 0.053 $\chi^2/\text{NDF}: 69768.0/6$

Right Out: 18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

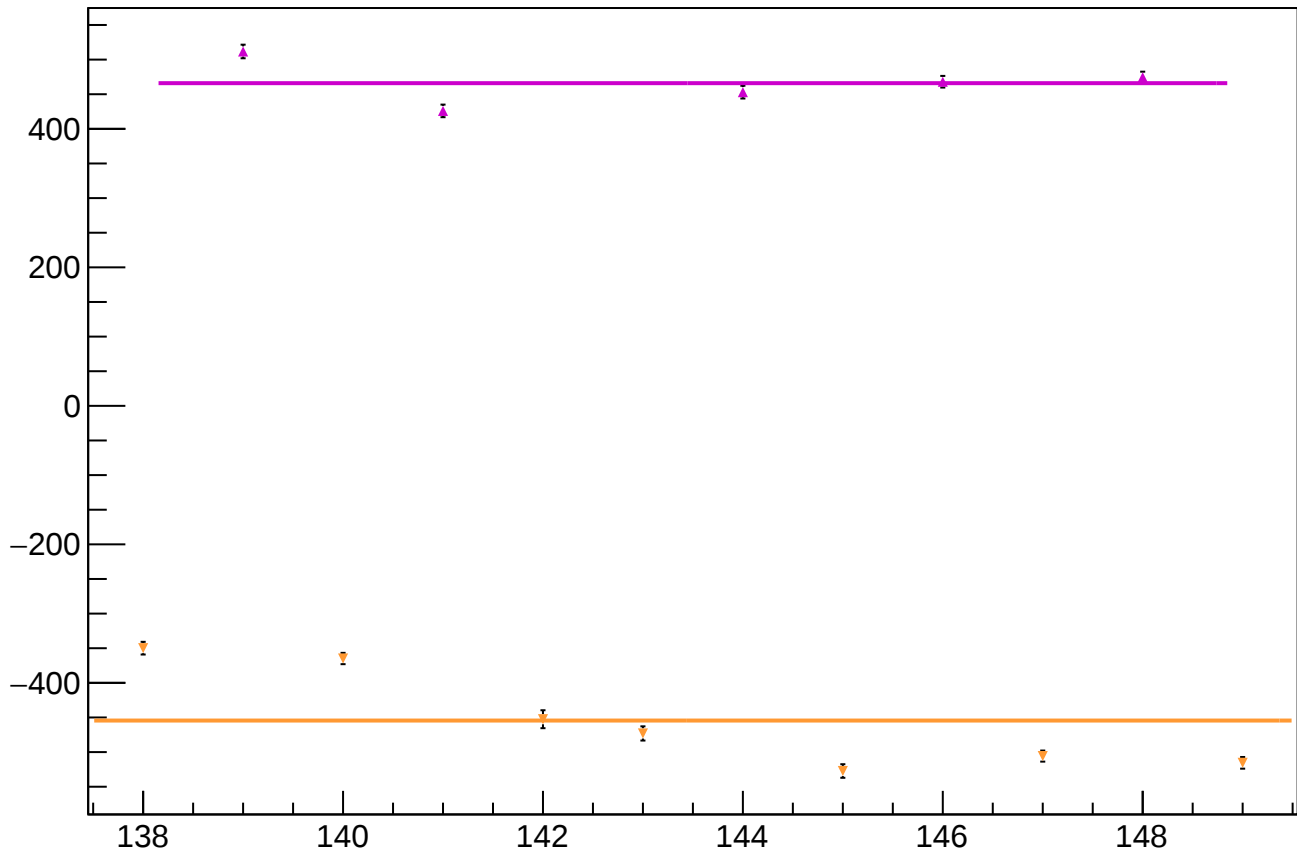
Left In: 29.245 ± 0.057 $\chi^2/\text{NDF}: 47062.9/4$

-27.363 ± 0.039 $\chi^2/\text{NDF}: 137053.9/23$

-2.456 ± 0.028 $\chi^2/\text{NDF}: 1101987.8/48$

23.862 ± 0.041 $\chi^2/\text{NDF}: 145196.5/24$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -454.437+/-3.483 χ^2/NDF : 402.2/6

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

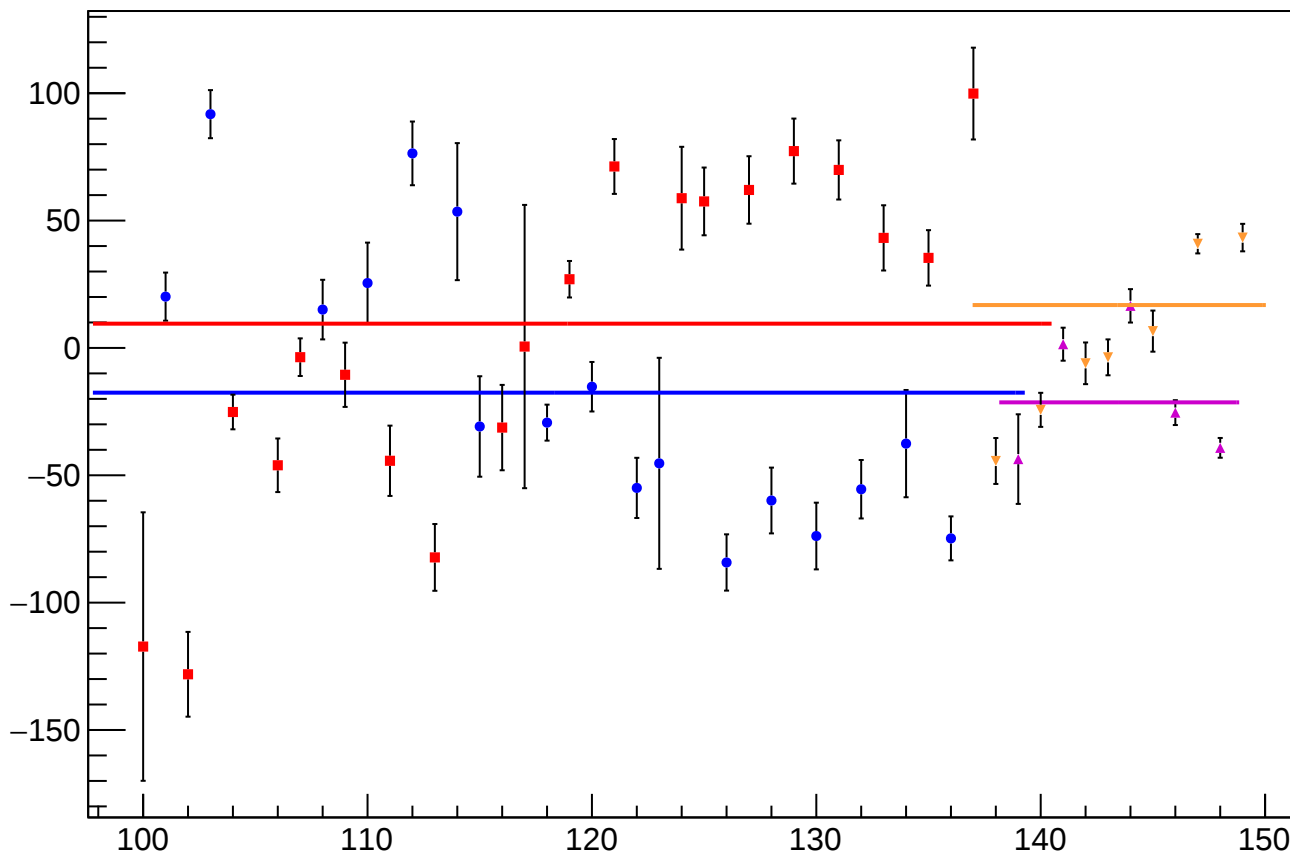
Left In: 465.972+/-3.954 χ^2/NDF : 44.3/4

-454.437+/-3.483 χ^2/NDF : 402.2/6

-52.324+/-2.614 χ^2/NDF : 30952.0/11

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 $\chi^2/\text{NDF}: 363.7/16$

Left Out: 16.835 ± 2.299 $\chi^2/\text{NDF}: 166.4/6$

Right Out: 9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

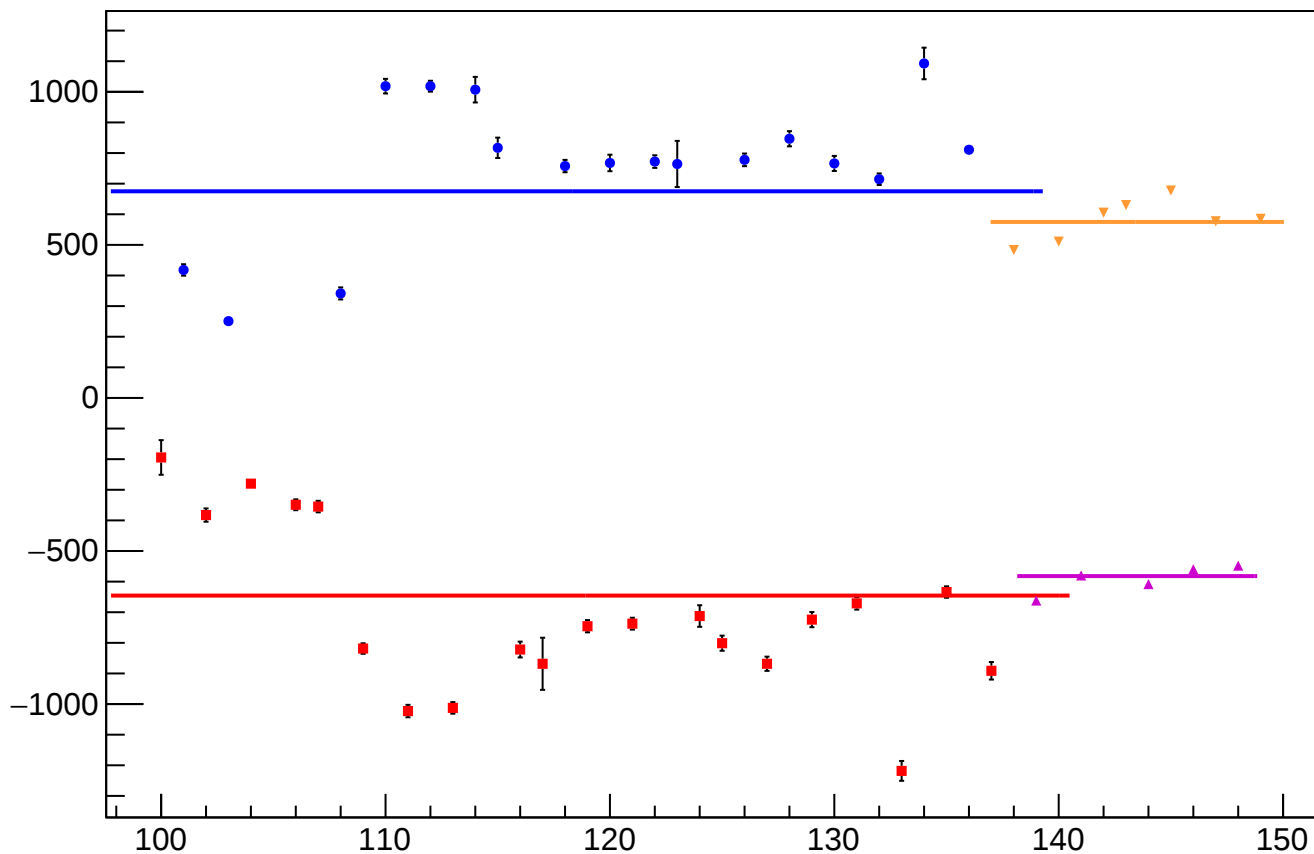
Left In: -21.372 ± 2.511 $\chi^2/\text{NDF}: 69.2/4$

3.100 ± 1.782 $\chi^2/\text{NDF}: 619.5/23$

-1.629 ± 1.269 $\chi^2/\text{NDF}: 1146.2/48$

-6.496 ± 1.808 $\chi^2/\text{NDF}: 512.4/24$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045+/-5.067 χ^2/NDF : 2584.3/16

Left Out: 574.953+/-3.530 χ^2/NDF : 269.9/6

Right Out: -645.613+/-4.754 χ^2/NDF : 3129.0/19

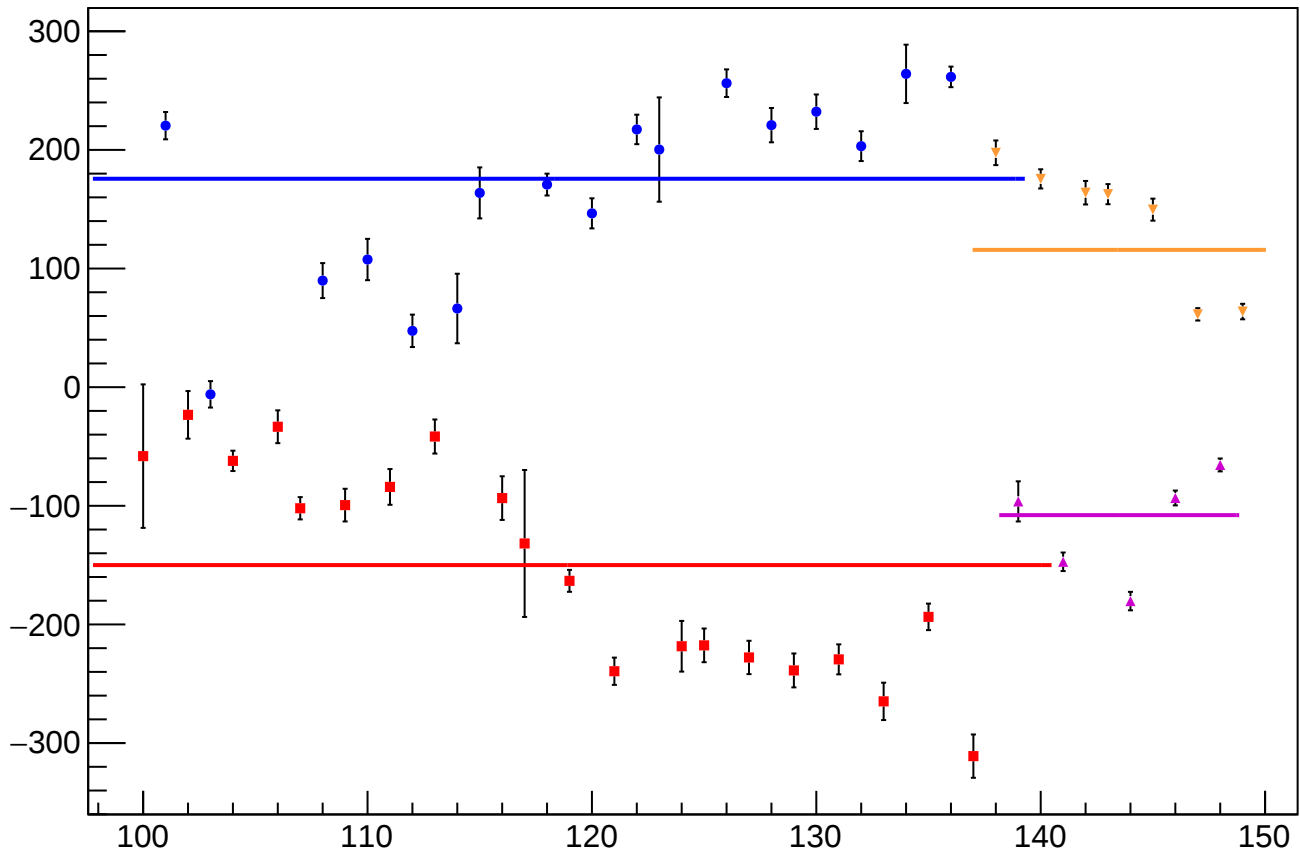
Left In: -581.946+/-3.983 χ^2/NDF : 91.9/4

607.660+/-2.897 χ^2/NDF : 3116.9/23

31.647+/-2.101 χ^2/NDF : 89908.5/48

-608.206+/-3.053 χ^2/NDF : 3326.3/24

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 $\pm$ 3.239 χ^2/NDF : 637.9/16

Left Out: 115.750 $\pm$ 2.882 χ^2/NDF : 356.3/6

Right Out: -149.973 $\pm$ 3.038 χ^2/NDF : 693.8/19

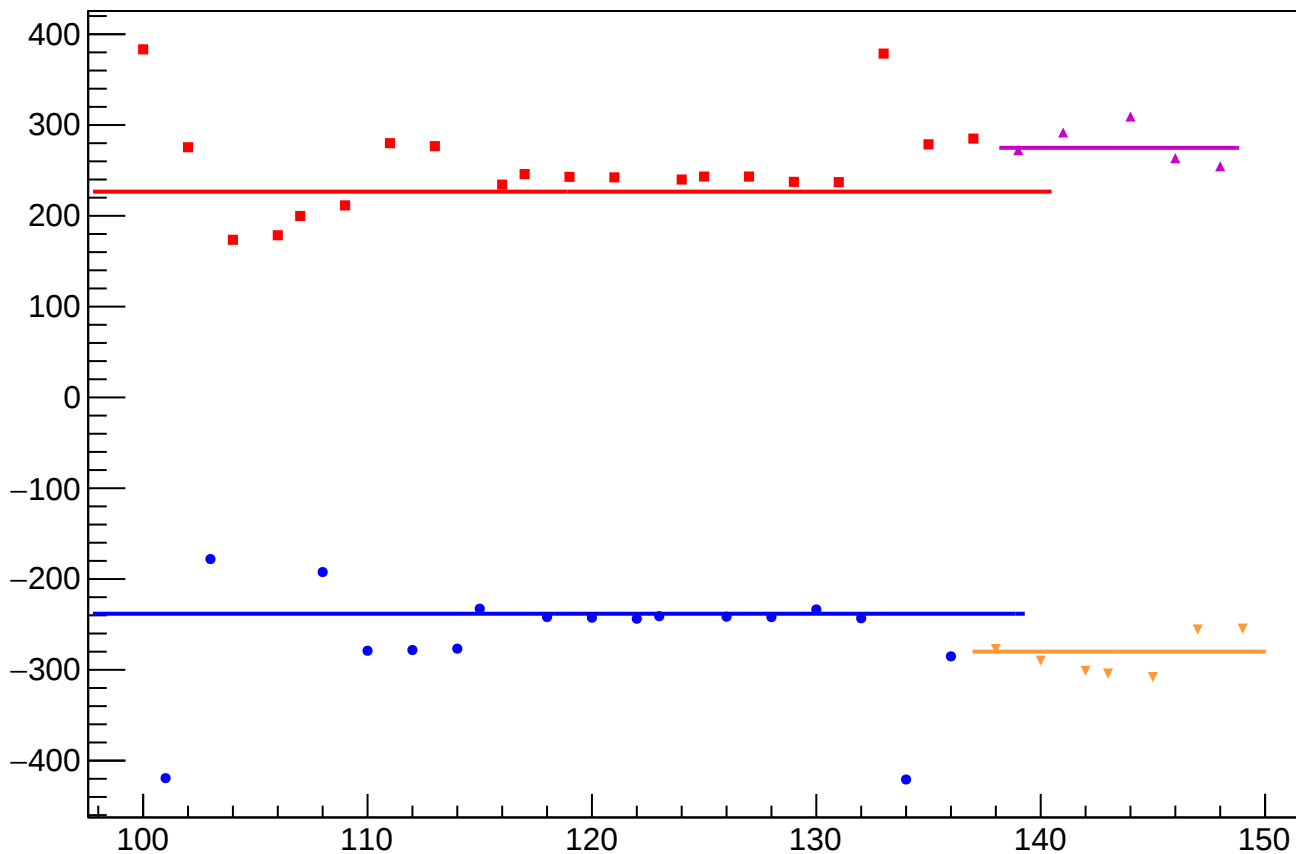
Left In: -107.851 $\pm$ 3.229 χ^2/NDF : 178.6/4

142.235 $\pm$ 2.153 χ^2/NDF : 1185.4/23

9.747 $\pm$ 1.543 χ^2/NDF : 9934.9/48

-130.189 $\pm$ 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: -279.921 ± 0.150 χ^2/NDF : 20130.5/6

Right Out: 226.626 ± 0.151 χ^2/NDF : 102587.0/19

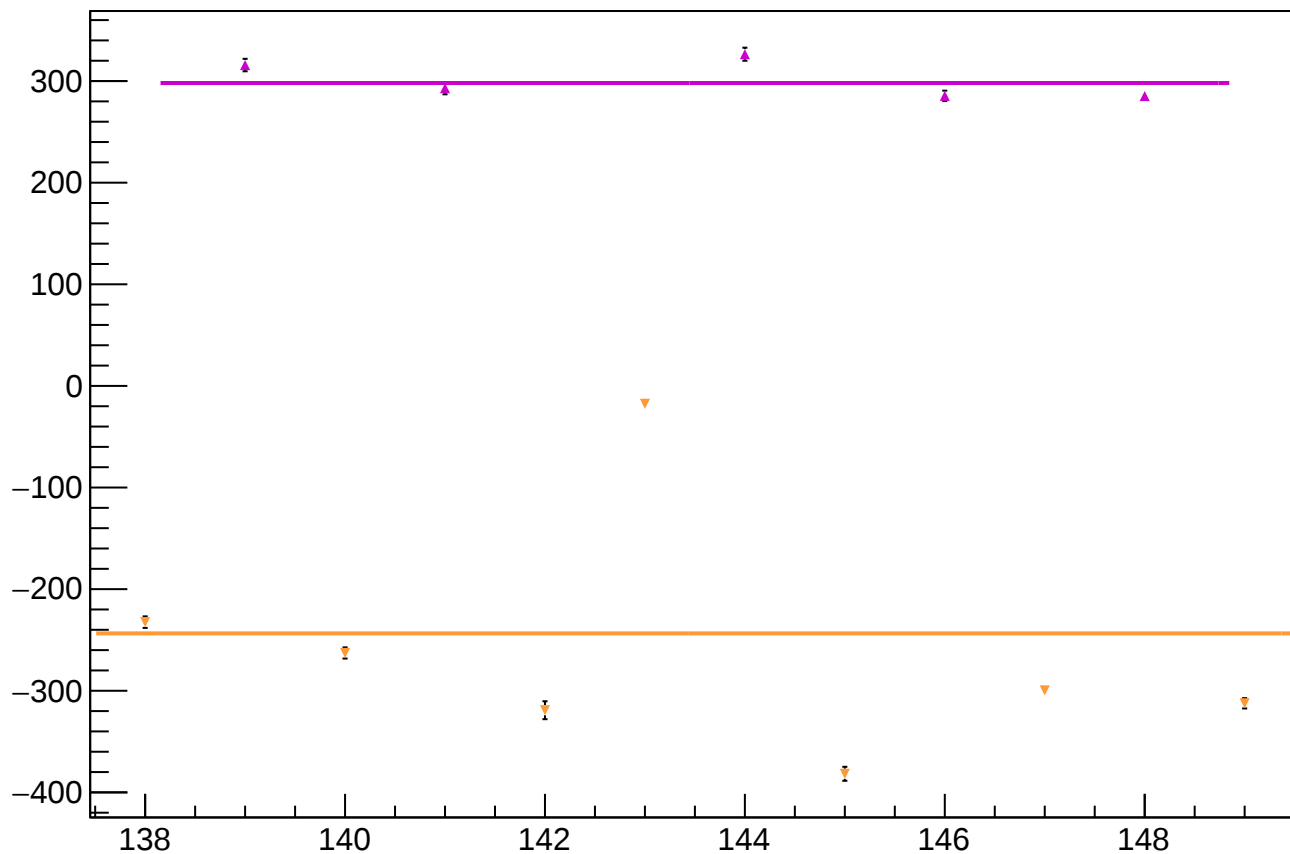
Left In: 274.891 ± 0.167 χ^2/NDF : 13252.7/4

-260.430 ± 0.110 χ^2/NDF : 223230.8/23

-11.221 ± 0.078 χ^2/NDF : 10922822.7/48

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: -243.539+/-2.131 χ^2/NDF : 2895.7/6

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

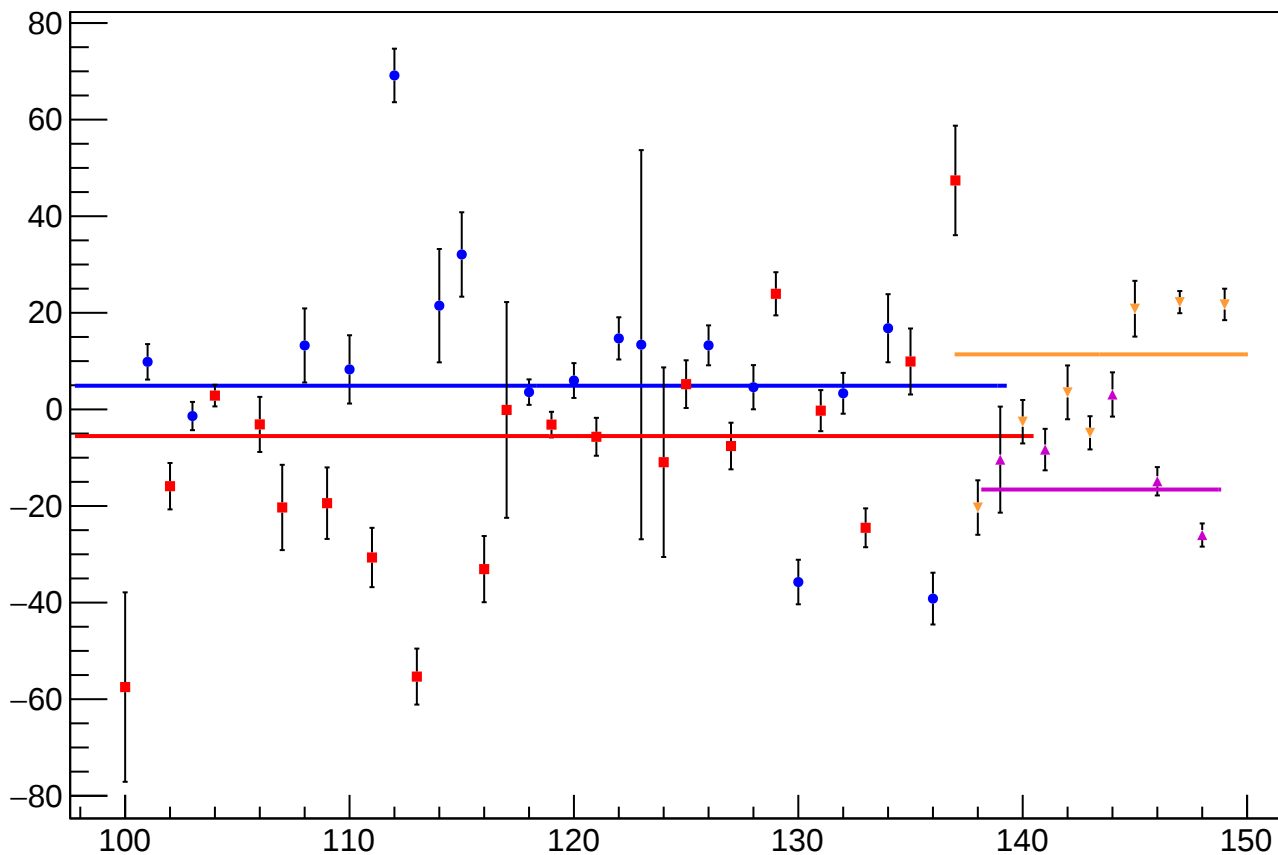
Left In: 298.095+/-2.520 χ^2/NDF : 41.2/4

-243.539+/-2.131 χ^2/NDF : 2895.7/6

-17.745+/-1.627 χ^2/NDF : 29877.9/11

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: 11.394 ± 1.398 χ^2/NDF : 100.5/6

Right Out: -5.517 ± 1.067 χ^2/NDF : 239.0/19

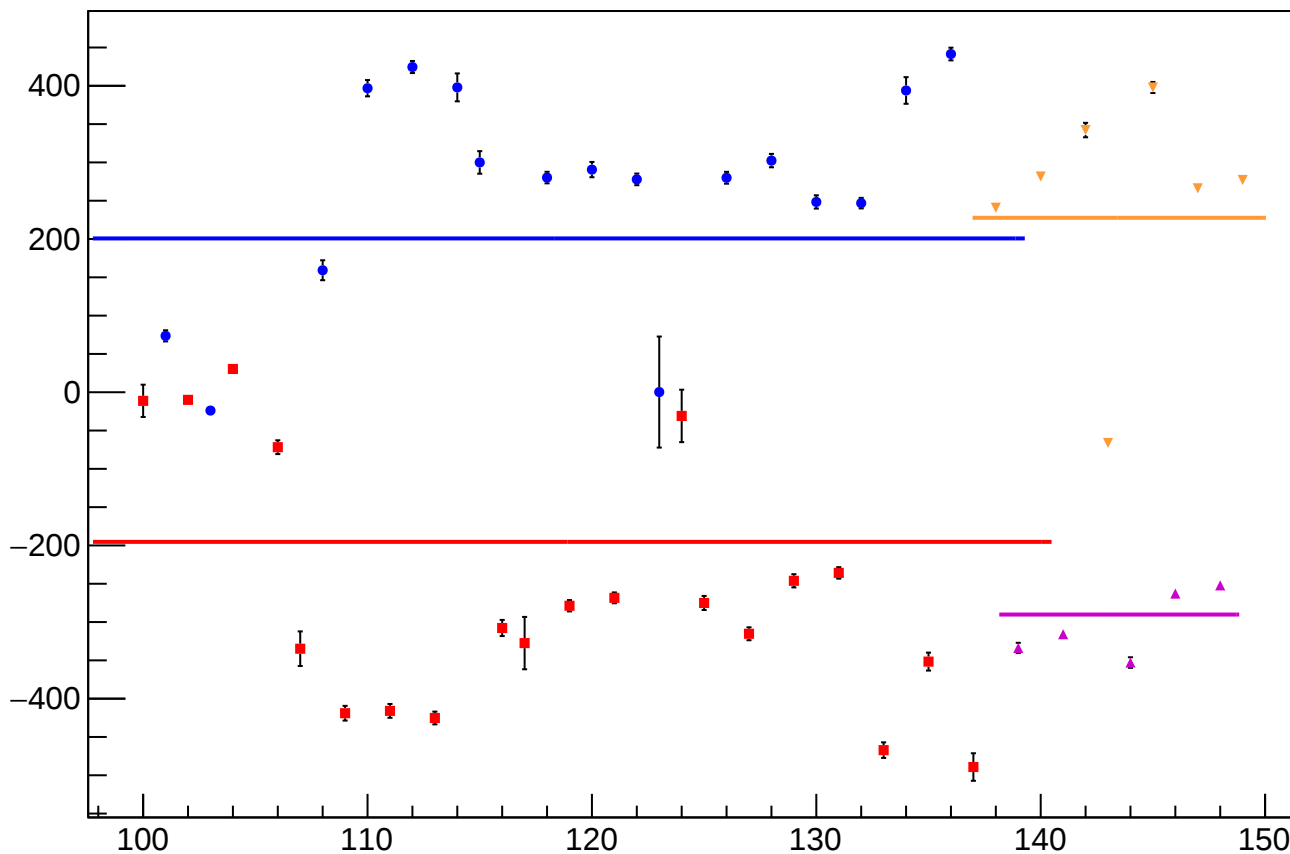
Left In: -16.588 ± 1.582 χ^2/NDF : 38.2/4

7.402 ± 0.867 χ^2/NDF : 425.4/23

-0.624 ± 0.619 χ^2/NDF : 911.2/48

-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: 227.720+/-2.156 χ^2/NDF : 4069.3/6

Right Out: -195.311+/-1.921 χ^2/NDF : 8262.1/19

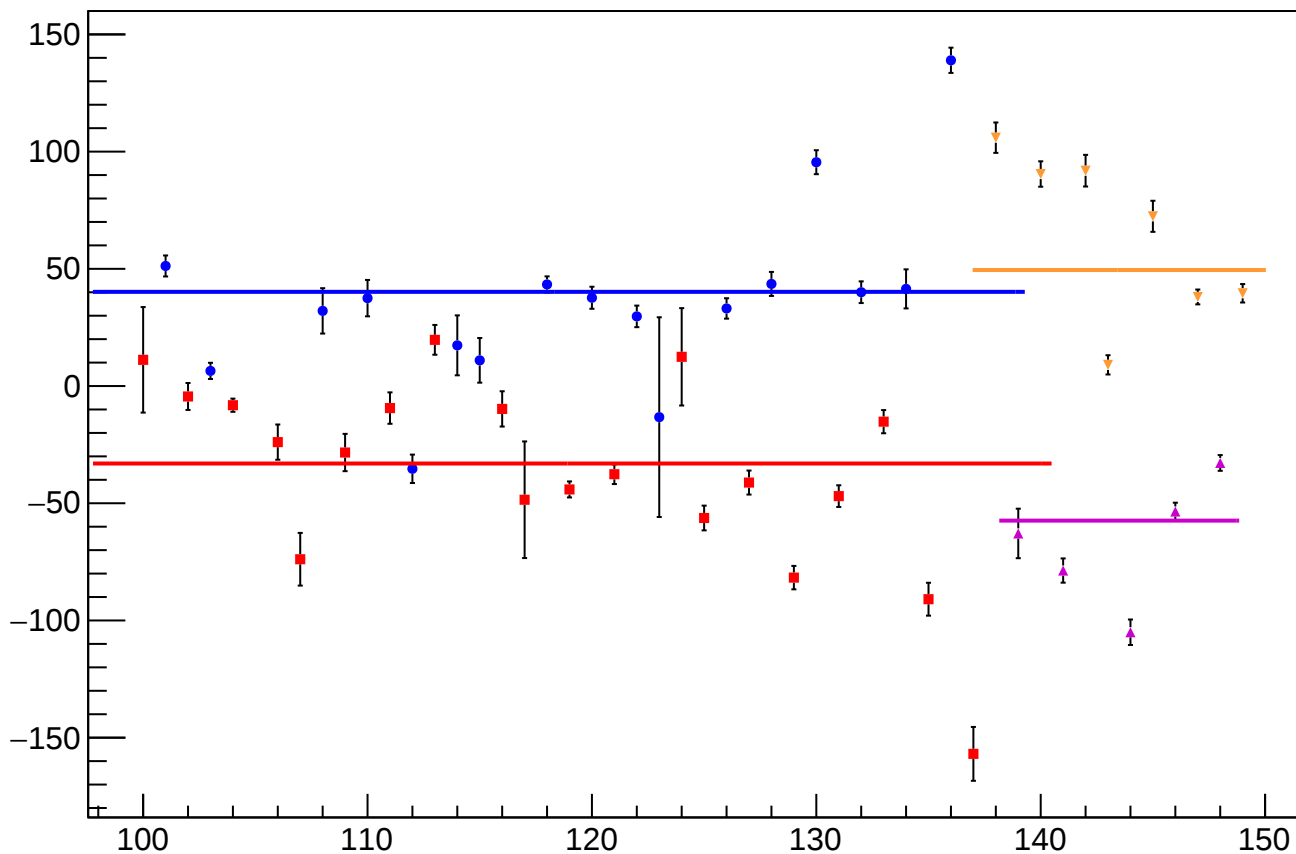
Left In: -290.199+/-2.526 χ^2/NDF : 240.5/4

213.122+/-1.460 χ^2/NDF : 10886.9/23

1.792+/-1.056 χ^2/NDF : 64239.7/48

-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: 49.495+/-1.751 χ^2/NDF : 300.6/6

Right Out: -33.045+/-1.249 χ^2/NDF : 553.1/19

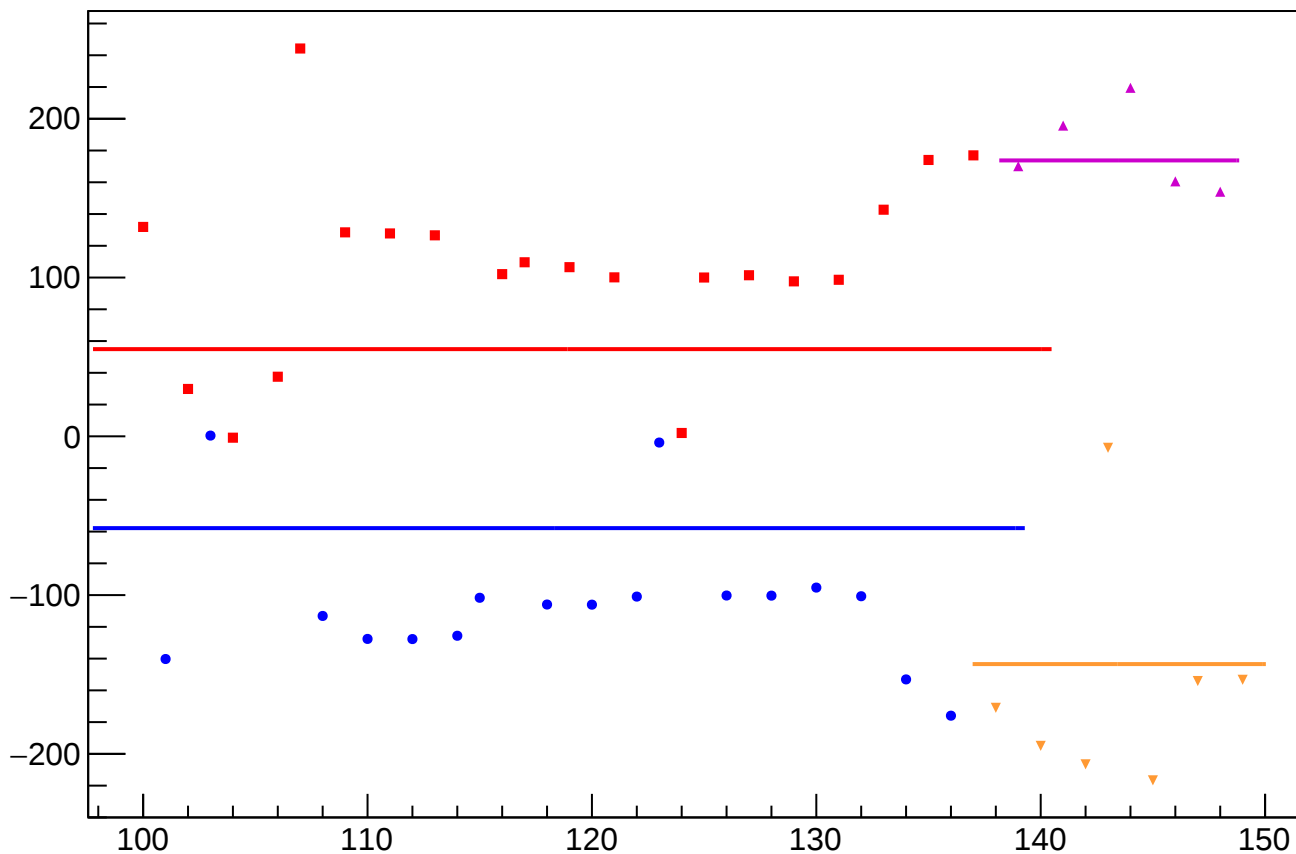
Left In: -57.410+/-2.044 χ^2/NDF : 148.6/4

43.438+/-1.035 χ^2/NDF : 1053.6/23

3.098+/-0.742 χ^2/NDF : 4988.2/48

-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: -143.449+/-0.092 χ^2/NDF : 567812.5/6

Right Out: 54.915+/-0.060 χ^2/NDF : 1001968.3/19

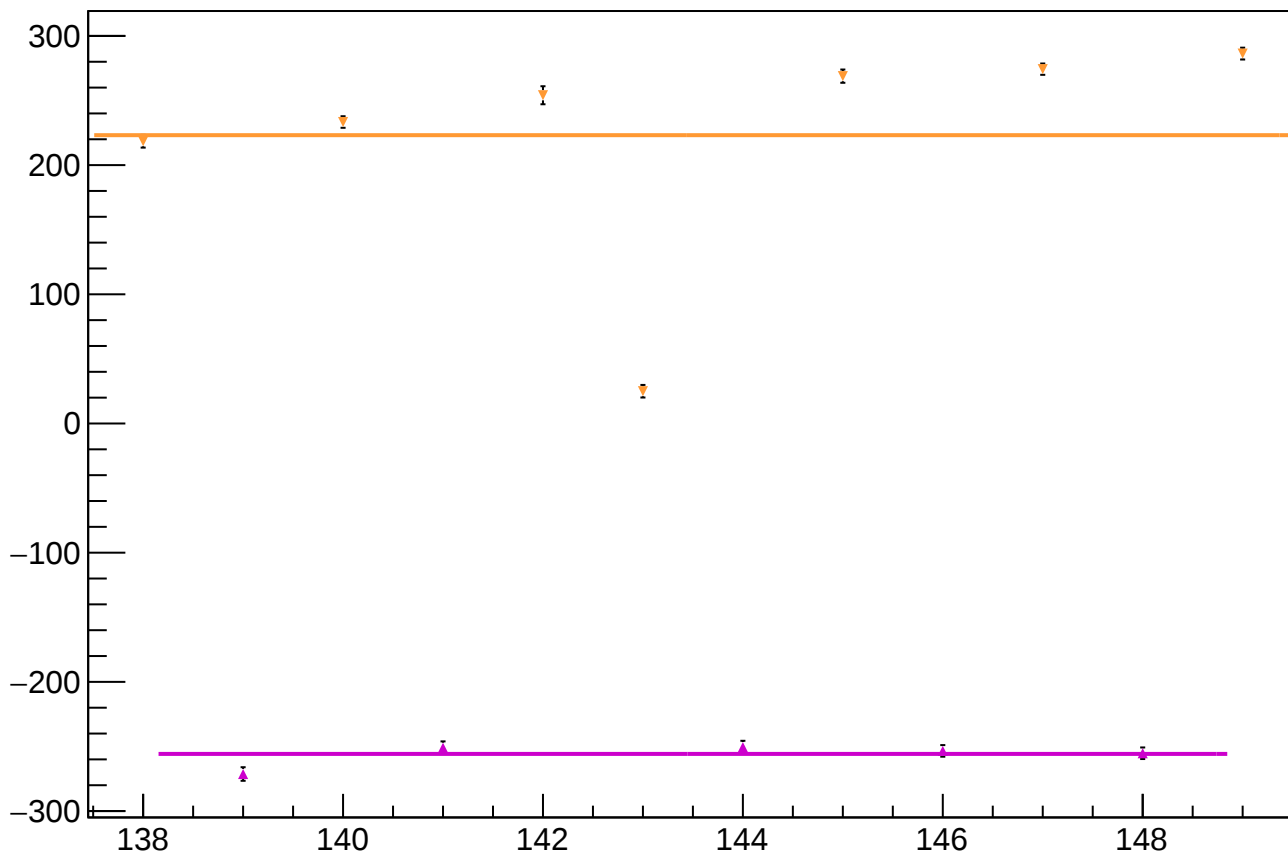
Left In: 173.764+/-0.106 χ^2/NDF : 43618.2/4

-84.604+/-0.051 χ^2/NDF : 2269802.0/23

-2.084+/-0.037 χ^2/NDF : 9571437.5/48

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 χ^2/NDF : 0.0/0

Left Out: 223.169+/-1.853 χ^2/NDF : 2087.0/6

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

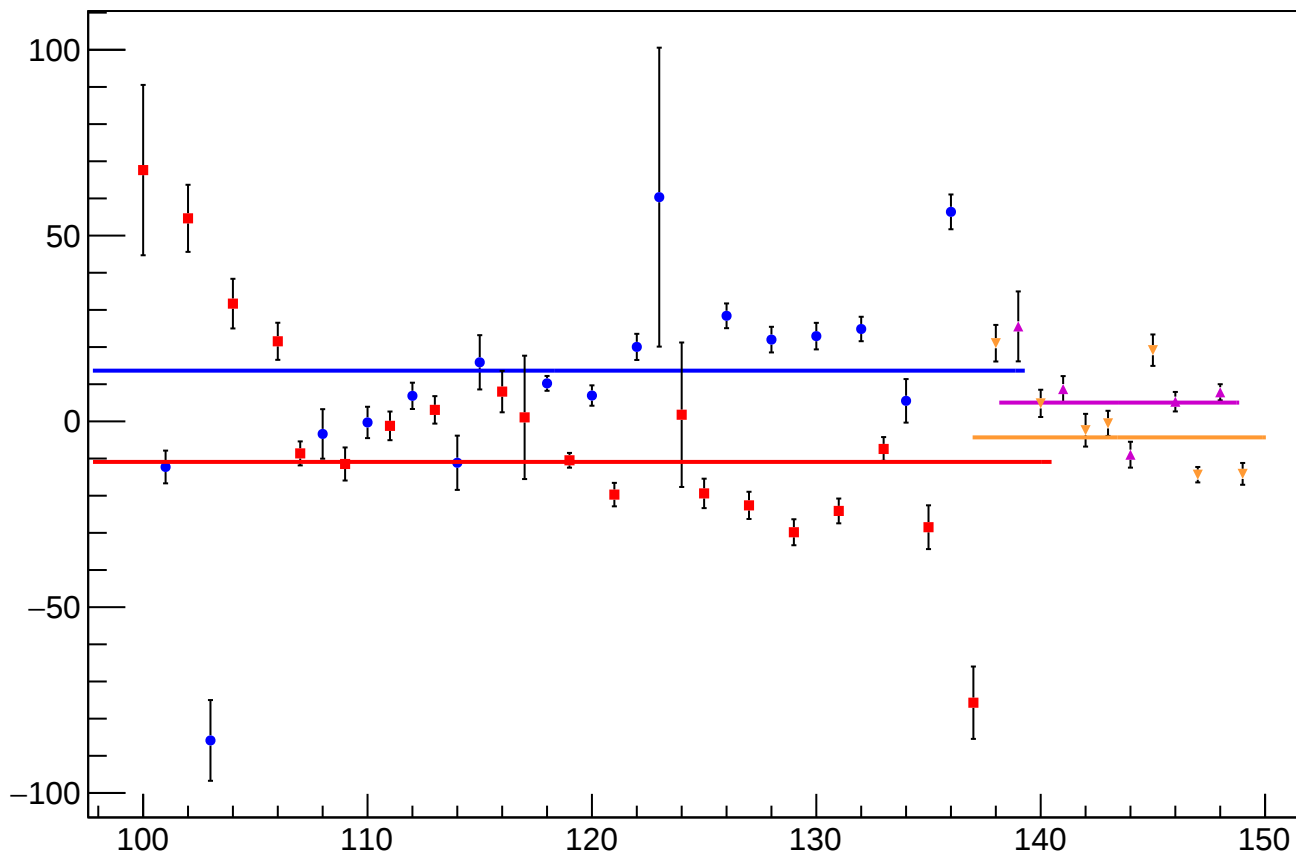
Left In: -255.760+/-2.136 χ^2/NDF : 11.2/4

223.169+/-1.853 χ^2/NDF : 2087.0/6

17.481+/-1.400 χ^2/NDF : 30785.7/11

-255.760+/-2.136 χ^2/NDF : 11.2/4

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 ± 0.936 $\chi^2/\text{NDF}: 294.0/16$

Left Out: -4.307 ± 1.233 $\chi^2/\text{NDF}: 99.5/6$

Right Out: -10.908 ± 0.912 $\chi^2/\text{NDF}: 303.1/19$

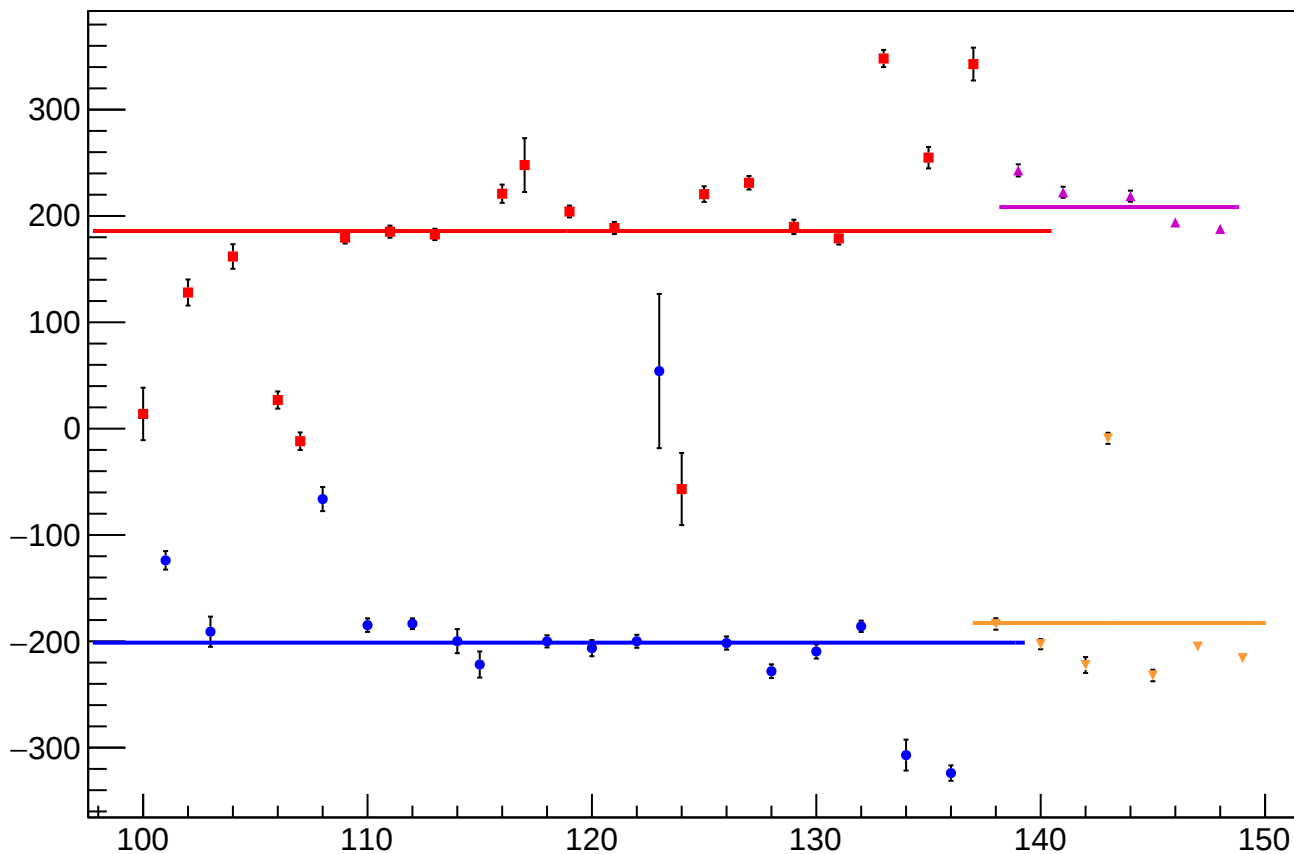
Left In: 5.052 ± 1.369 $\chi^2/\text{NDF}: 23.7/4$

7.082 ± 0.746 $\chi^2/\text{NDF}: 528.1/23$

0.655 ± 0.532 $\chi^2/\text{NDF}: 1100.3/48$

-6.005 ± 0.759 $\chi^2/\text{NDF}: 420.9/24$

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: -182.768 ± 1.883 χ^2/NDF : 1333.1/6

Right Out: 185.871 ± 1.695 χ^2/NDF : 1752.0/19

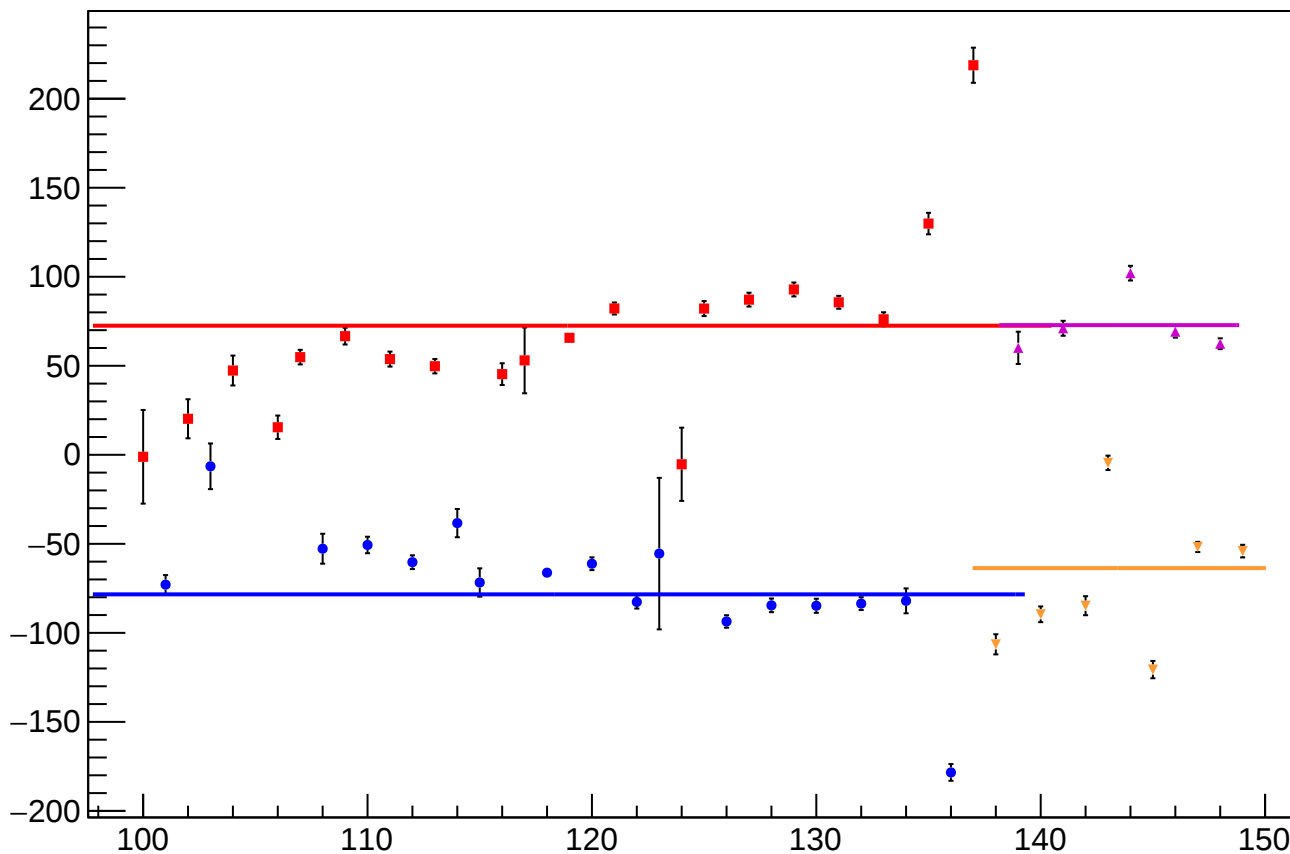
Left In: 208.366 ± 2.155 χ^2/NDF : 82.9/4

-192.457 ± 1.299 χ^2/NDF : 2007.0/23

-3.868 ± 0.930 χ^2/NDF : 47127.9/48

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: -63.626 ± 1.539 χ^2/NDF : 482.8/6

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

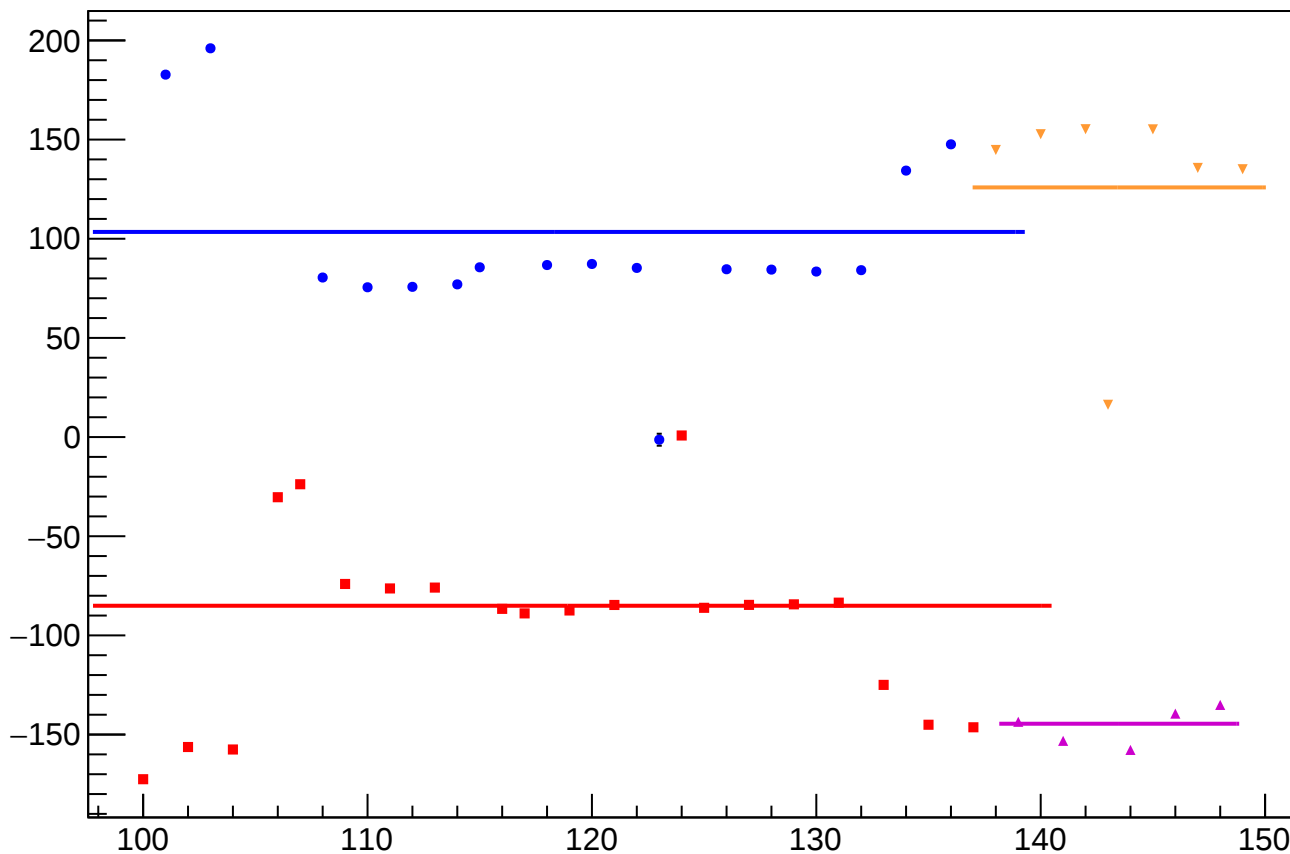
Left In: 72.832 ± 1.755 χ^2/NDF : 65.2/4

-73.499 ± 0.885 χ^2/NDF : 1195.7/23

-1.780 ± 0.631 χ^2/NDF : 15254.5/48

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: 125.882 $\pm$ 0.080 χ^2/NDF : 335767.7/6

Right Out: -85.054 $\pm$ 0.064 χ^2/NDF : 422354.0/19

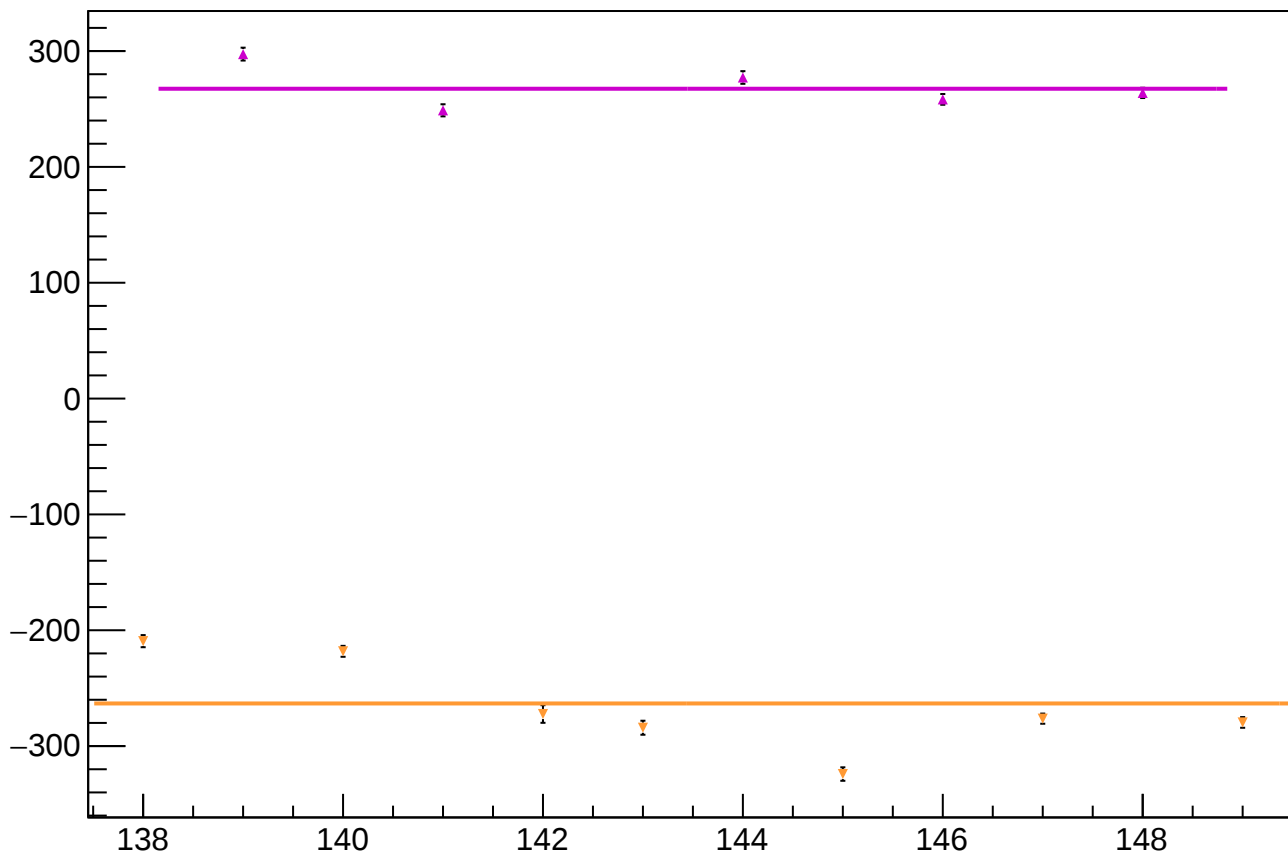
Left In: -144.545 $\pm$ 0.090 χ^2/NDF : 8491.8/4

113.342 $\pm$ 0.053 χ^2/NDF : 652811.9/23

2.221 $\pm$ 0.037 χ^2/NDF : 10012319.7/48

-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: -263.200+/-1.984 χ^2/NDF : 340.6/6

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

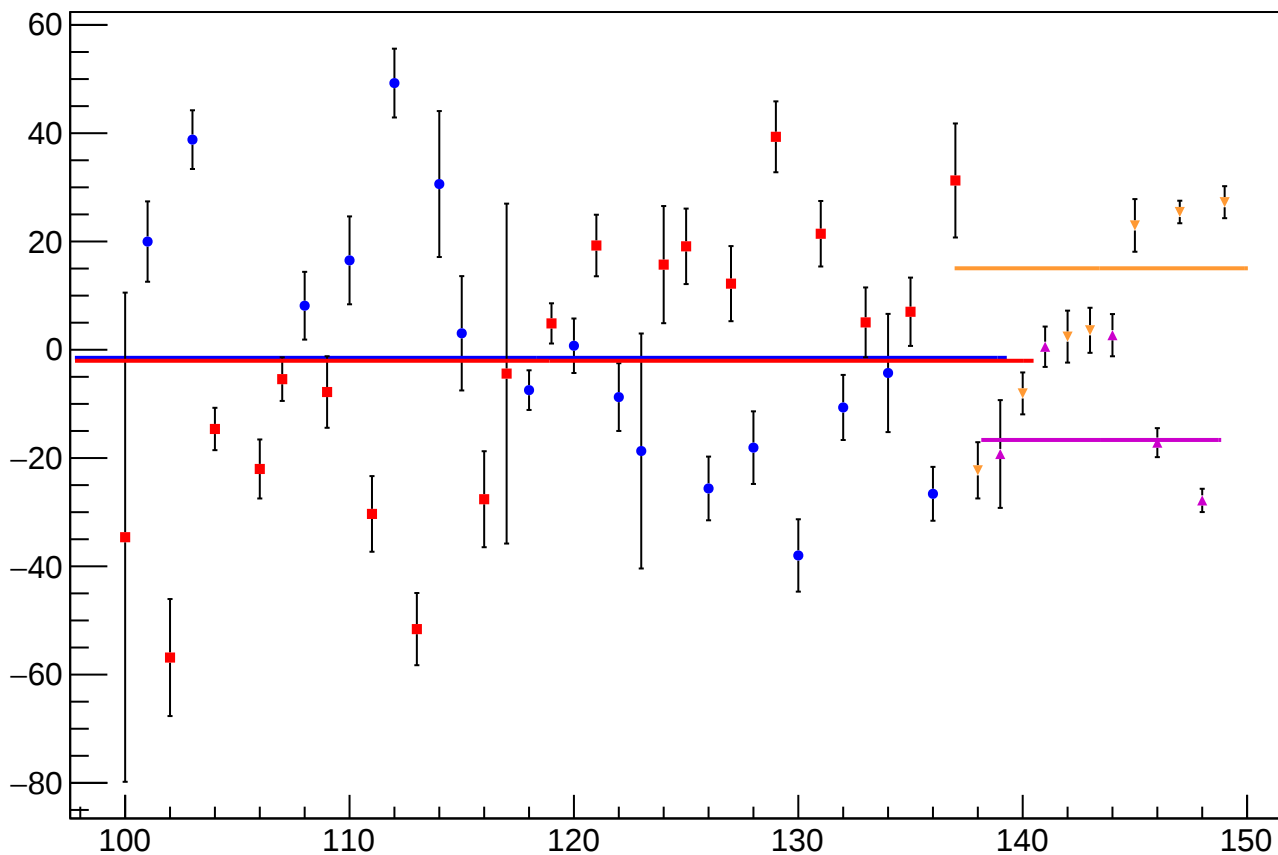
Left In: 267.468+/-2.237 χ^2/NDF : 49.3/4

-263.200+/-1.984 χ^2/NDF : 340.6/6

-29.626+/-1.484 χ^2/NDF : 31884.8/11

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 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 15.048 ± 1.299 $\chi^2/\text{NDF}: 146.4/6$

Right Out: -2.032 ± 1.398 $\chi^2/\text{NDF}: 233.3/19$

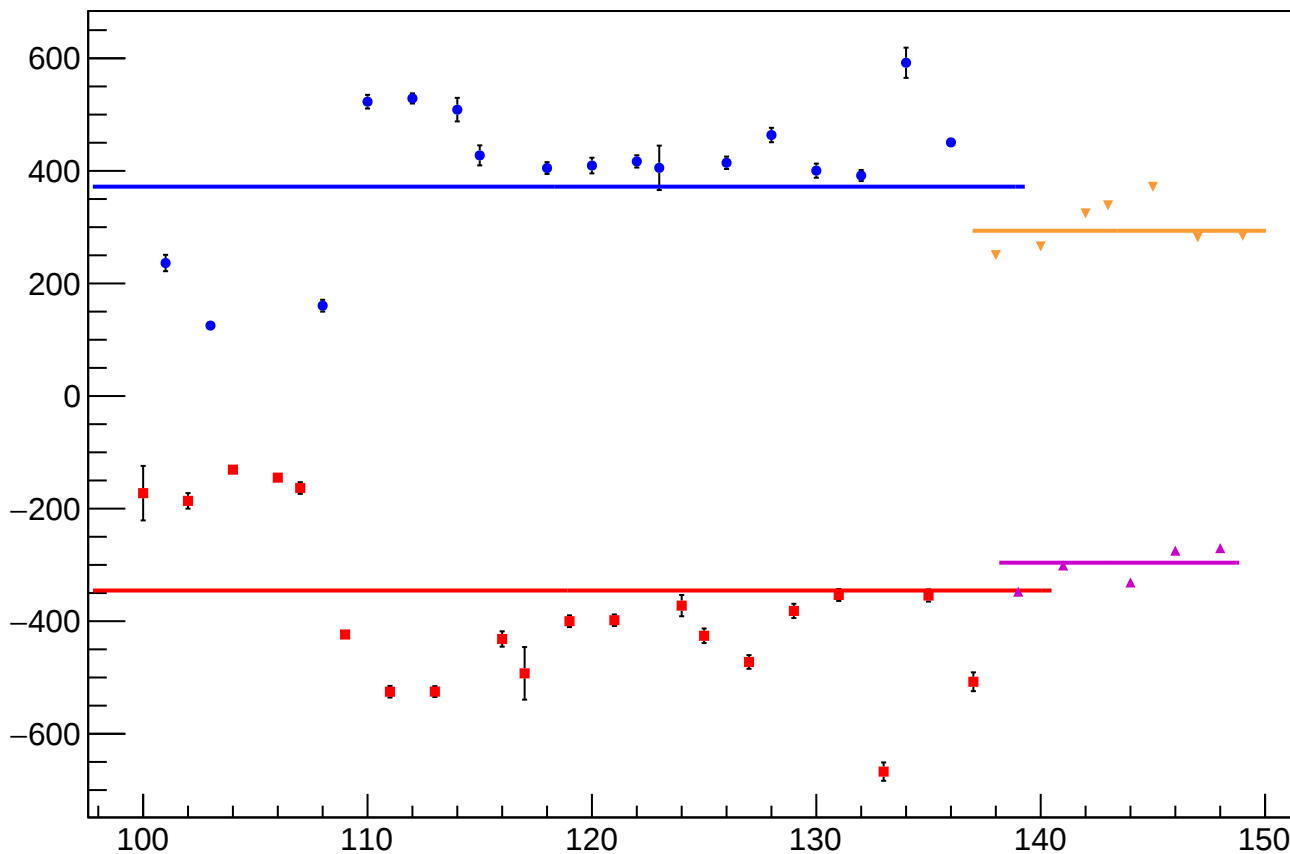
Left In: -16.660 ± 1.409 $\chi^2/\text{NDF}: 73.1/4$

8.152 ± 0.992 $\chi^2/\text{NDF}: 439.9/23$

-0.564 ± 0.702 $\chi^2/\text{NDF}: 955.1/48$

-9.289 ± 0.993 $\chi^2/\text{NDF}: 360.6/24$

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: 293.632 ± 2.002 χ^2/NDF : 327.4/6

Right Out: -345.485 ± 2.558 χ^2/NDF : 3425.1/19

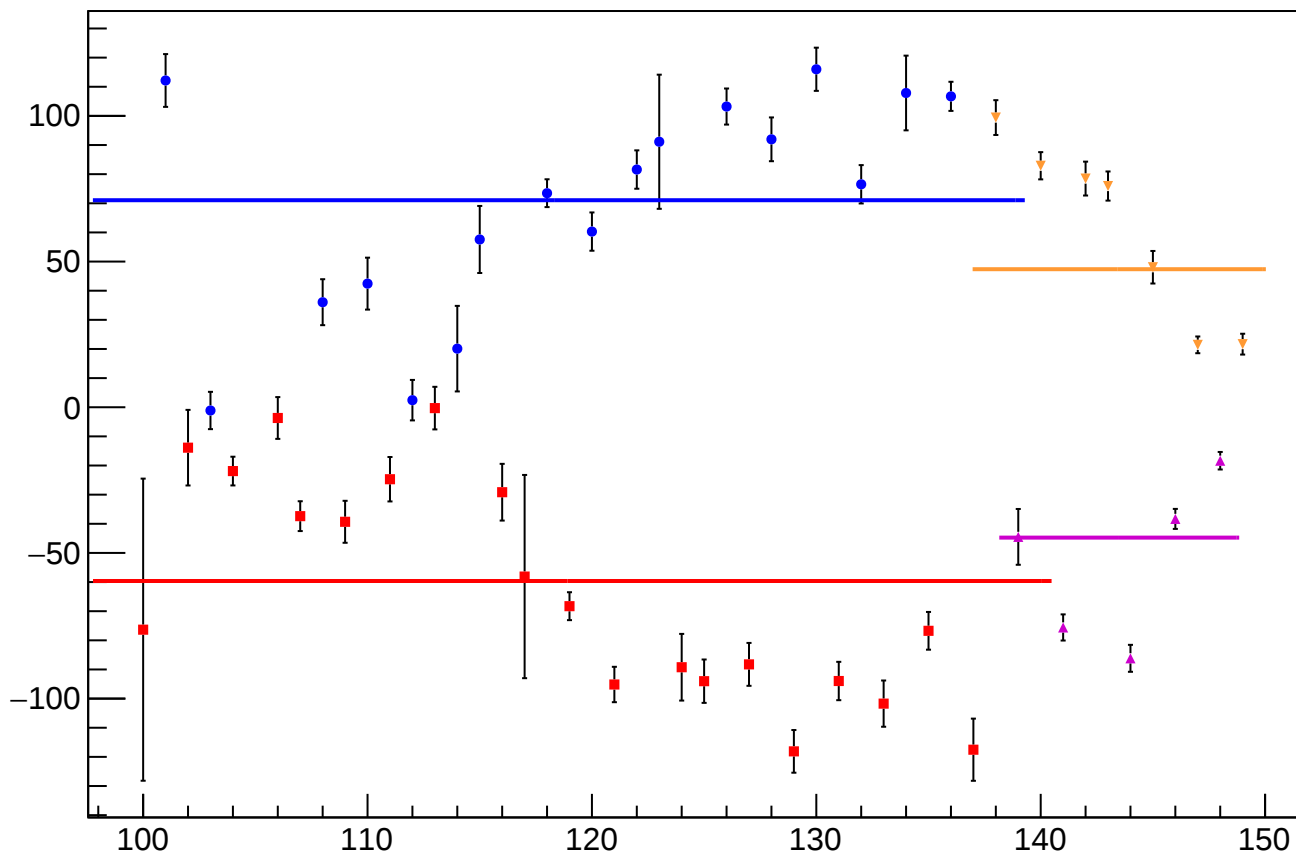
Left In: -296.073 ± 2.247 χ^2/NDF : 171.7/4

320.415 ± 1.624 χ^2/NDF : 3283.6/23

13.746 ± 1.170 χ^2/NDF : 81267.9/48

-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 $\pm$ 1.764 χ^2/NDF : 426.2/16

Left Out: 47.380 $\pm$ 1.633 χ^2/NDF : 328.5/6

Right Out: -59.634 $\pm$ 1.629 χ^2/NDF : 491.6/19

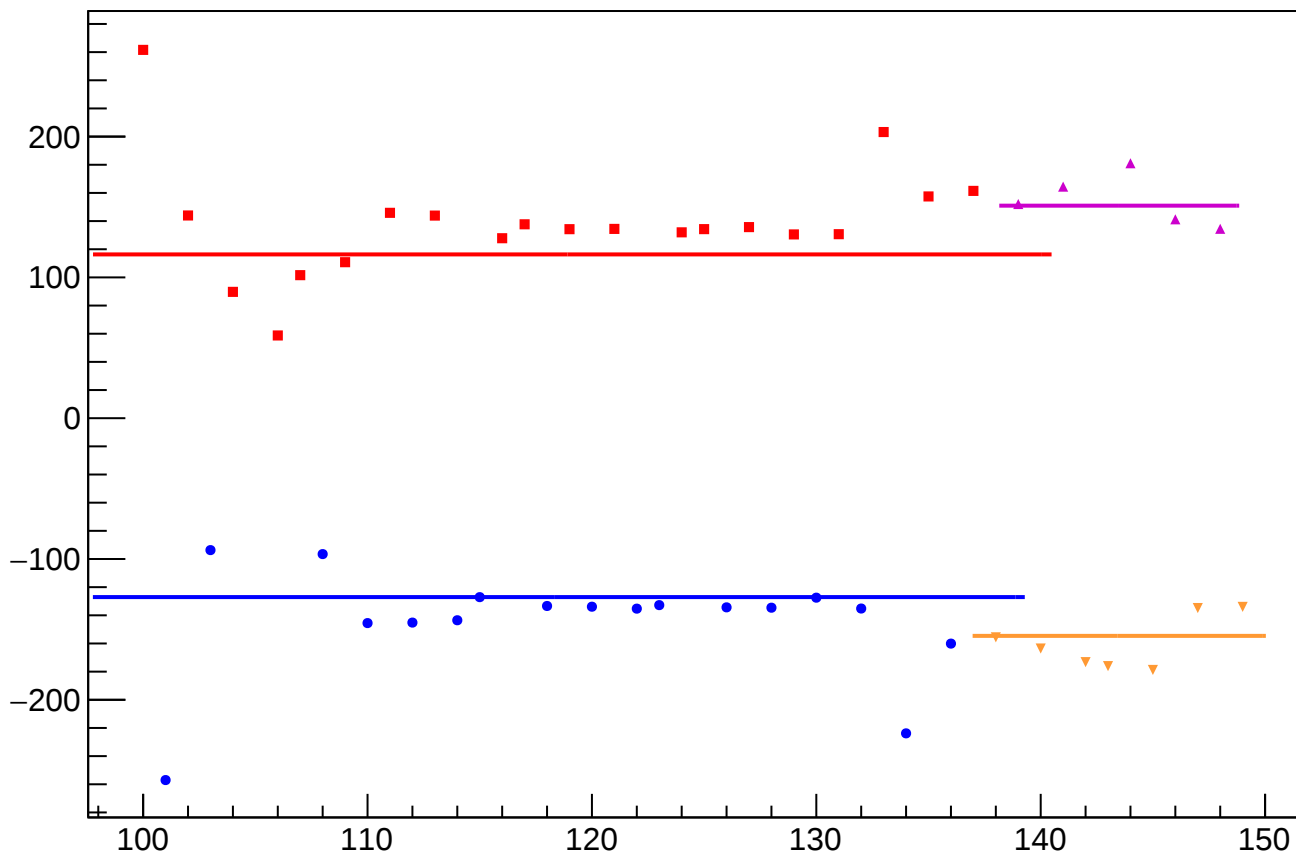
Left In: -44.745 $\pm$ 1.817 χ^2/NDF : 208.0/4

58.304 $\pm$ 1.198 χ^2/NDF : 851.7/23

3.340 $\pm$ 0.853 χ^2/NDF : 5849.3/48

-52.999 $\pm$ 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: -154.595+/-0.085 χ^2/NDF : 44371.5/6

Right Out: 116.327+/-0.083 χ^2/NDF : 167208.7/19

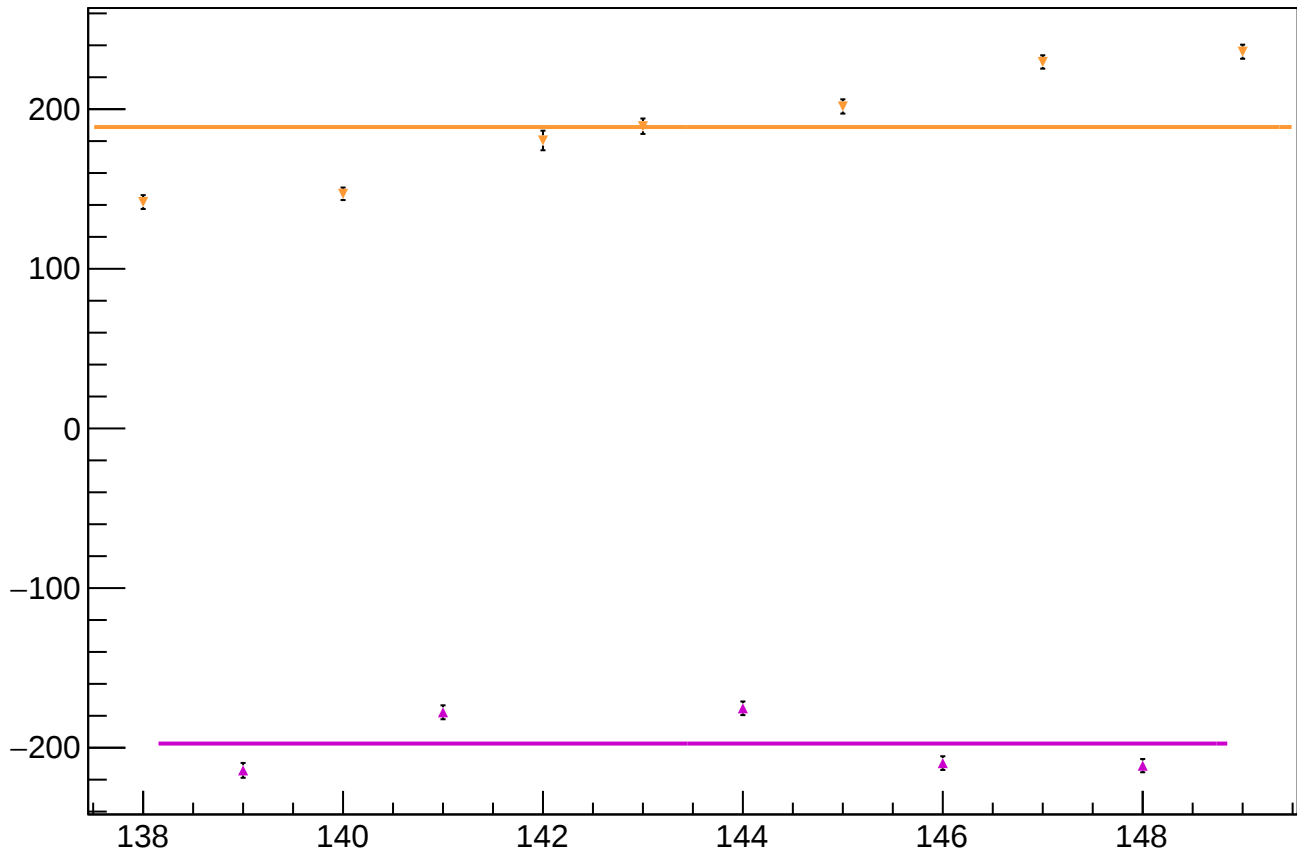
Left In: 150.952+/-0.094 χ^2/NDF : 28212.0/4

-141.497+/-0.062 χ^2/NDF : 260765.9/23

-5.706+/-0.044 χ^2/NDF : 10203670.1/48

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: 188.801+/-1.702 χ^2/NDF : 449.1/6

188.801+/-1.702 χ^2/NDF : 449.1/6

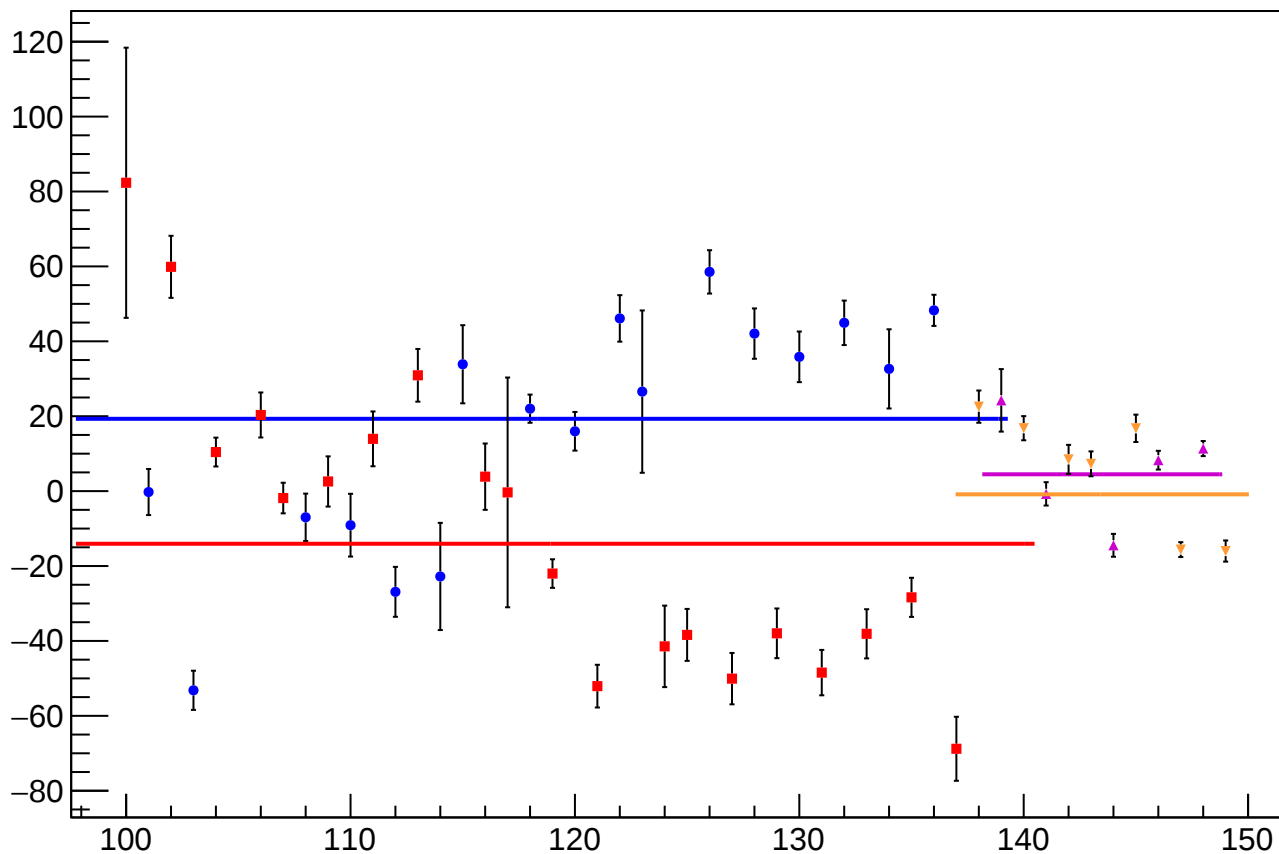
21.010+/-1.280 χ^2/NDF : 22898.7/11

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

-197.397+/-1.942 χ^2/NDF : 79.0/4

Left In: -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: -0.858 ± 1.146 $\chi^2/\text{NDF}: 178.7/6$

Right Out: -14.055 ± 1.388 $\chi^2/\text{NDF}: 437.1/19$

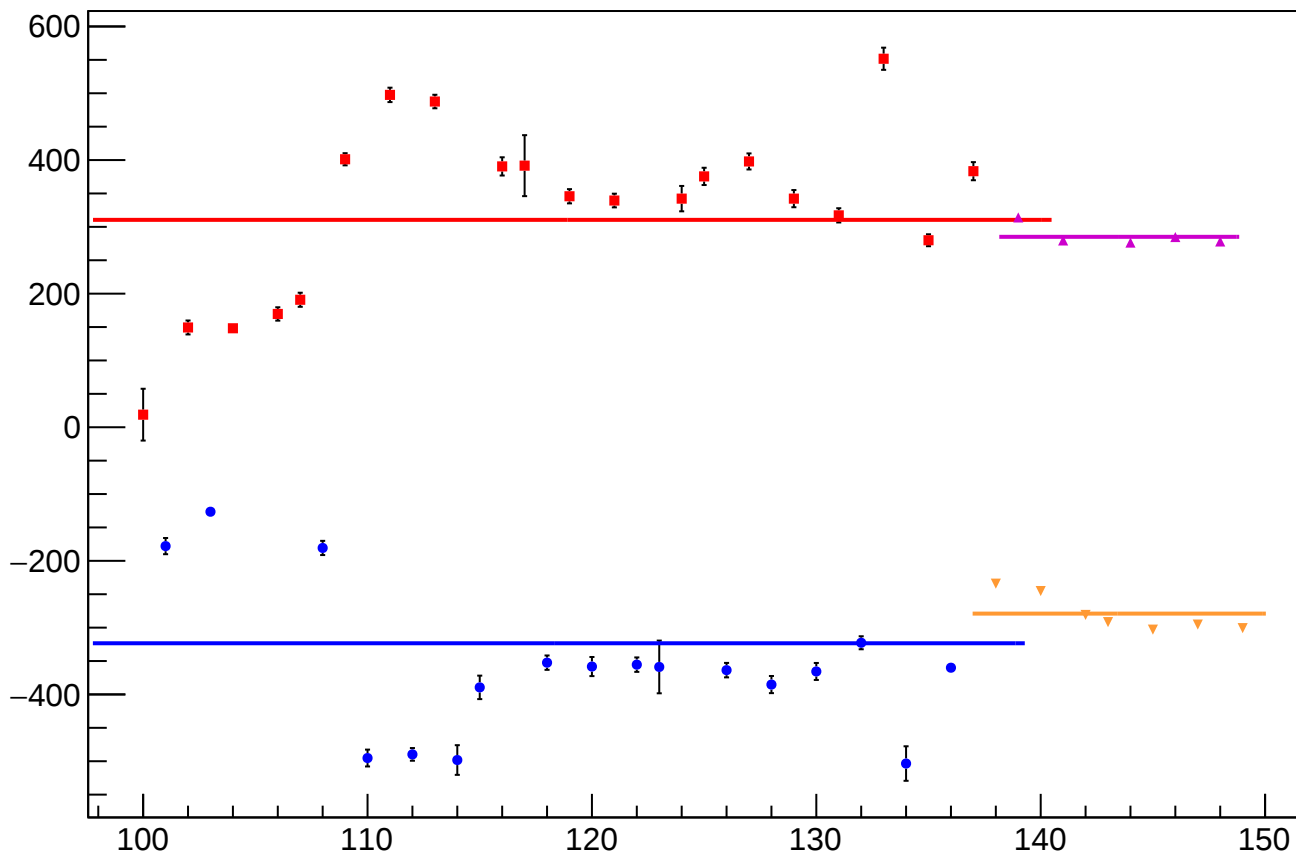
Left In: 4.492 ± 1.260 $\chi^2/\text{NDF}: 60.9/4$

6.571 ± 0.911 $\chi^2/\text{NDF}: 734.1/23$

1.470 ± 0.652 $\chi^2/\text{NDF}: 1394.3/48$

-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 χ^2/NDF : 1849.6/16

Left Out: -278.998 ± 1.737 χ^2/NDF : 232.5/6

Right Out: 310.484 ± 2.520 χ^2/NDF : 2302.0/19

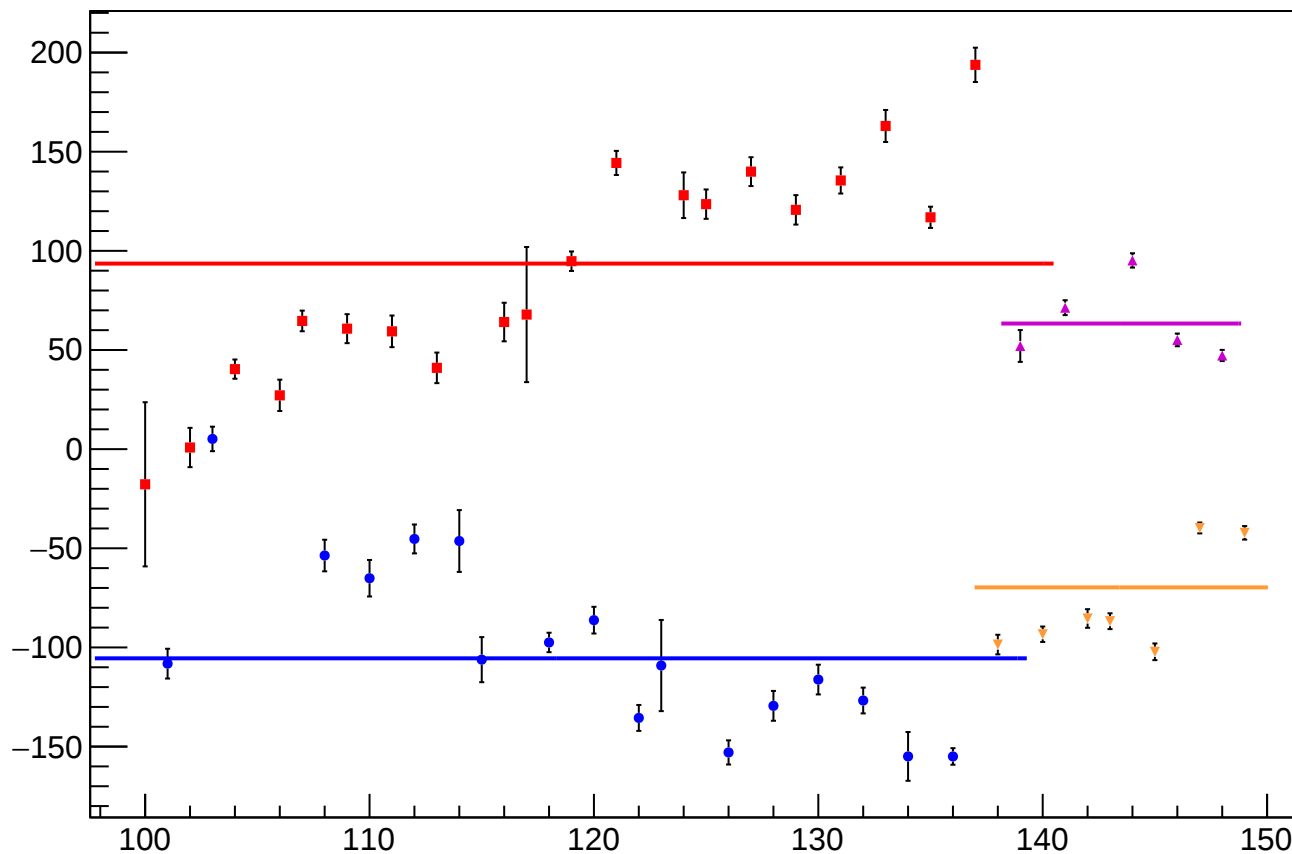
Left In: 285.082 ± 1.967 χ^2/NDF : 41.2/4

-292.108 ± 1.458 χ^2/NDF : 2275.1/23

-16.624 ± 1.062 χ^2/NDF : 80692.1/48

294.700 ± 1.550 χ^2/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: -69.716+/-1.427 χ^2/NDF : 344.7/6

Right Out: 93.579+/-1.608 χ^2/NDF : 827.7/19

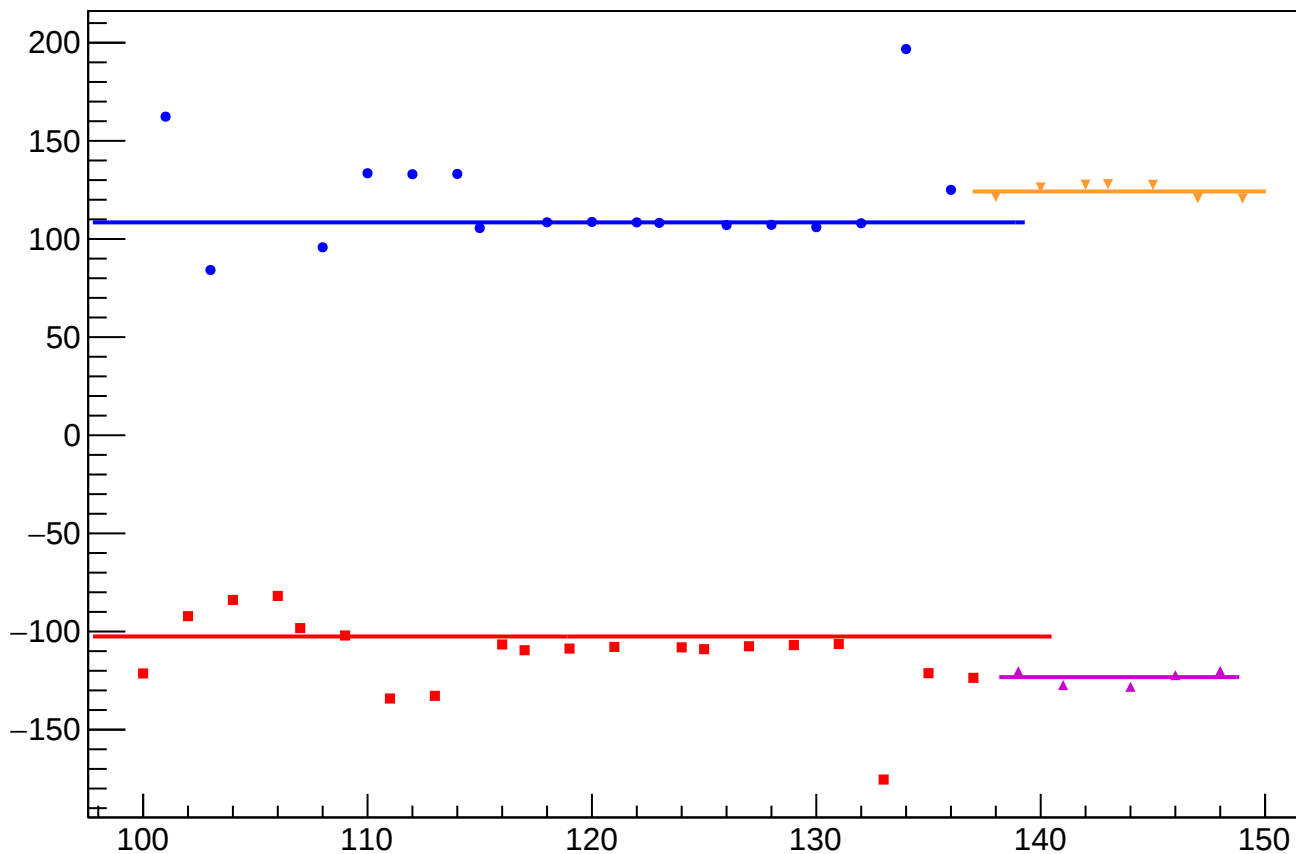
Left In: 63.347+/-1.609 χ^2/NDF : 123.3/4

-84.388+/-1.096 χ^2/NDF : 1339.7/23

-5.970+/-0.789 χ^2/NDF : 13093.3/48

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 $\pm$ 0.085 χ^2/NDF : 73301.9/16

Left Out: 124.208 $\pm$ 0.073 χ^2/NDF : 1932.4/6

Right Out: -102.532 $\pm$ 0.079 χ^2/NDF : 53003.2/19

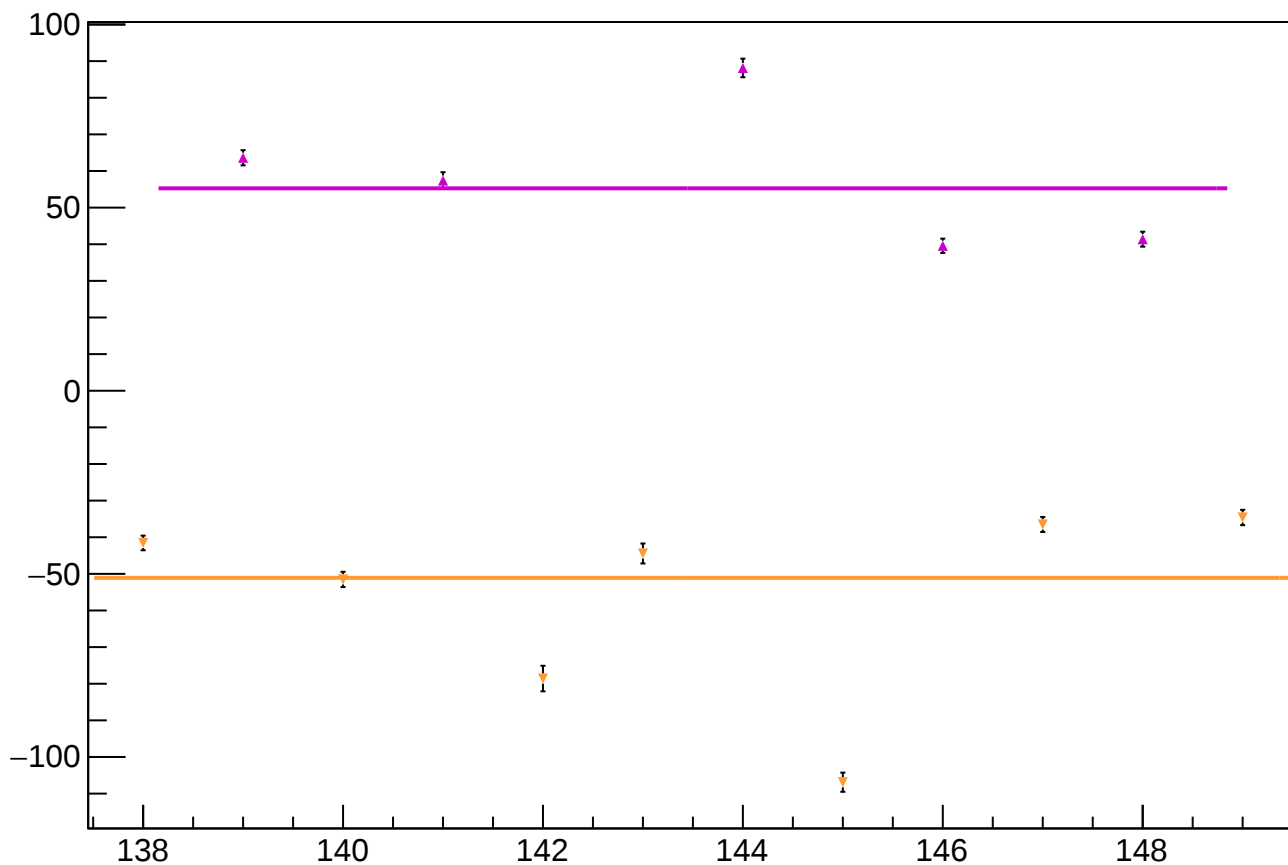
Left In: -123.229 $\pm$ 0.082 χ^2/NDF : 1750.3/4

117.475 $\pm$ 0.056 χ^2/NDF : 94883.7/23

5.484 $\pm$ 0.040 χ^2/NDF : 8522277.8/48

-112.564 $\pm$ 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: -51.088+/-0.874 χ^2/NDF : 657.2/6

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

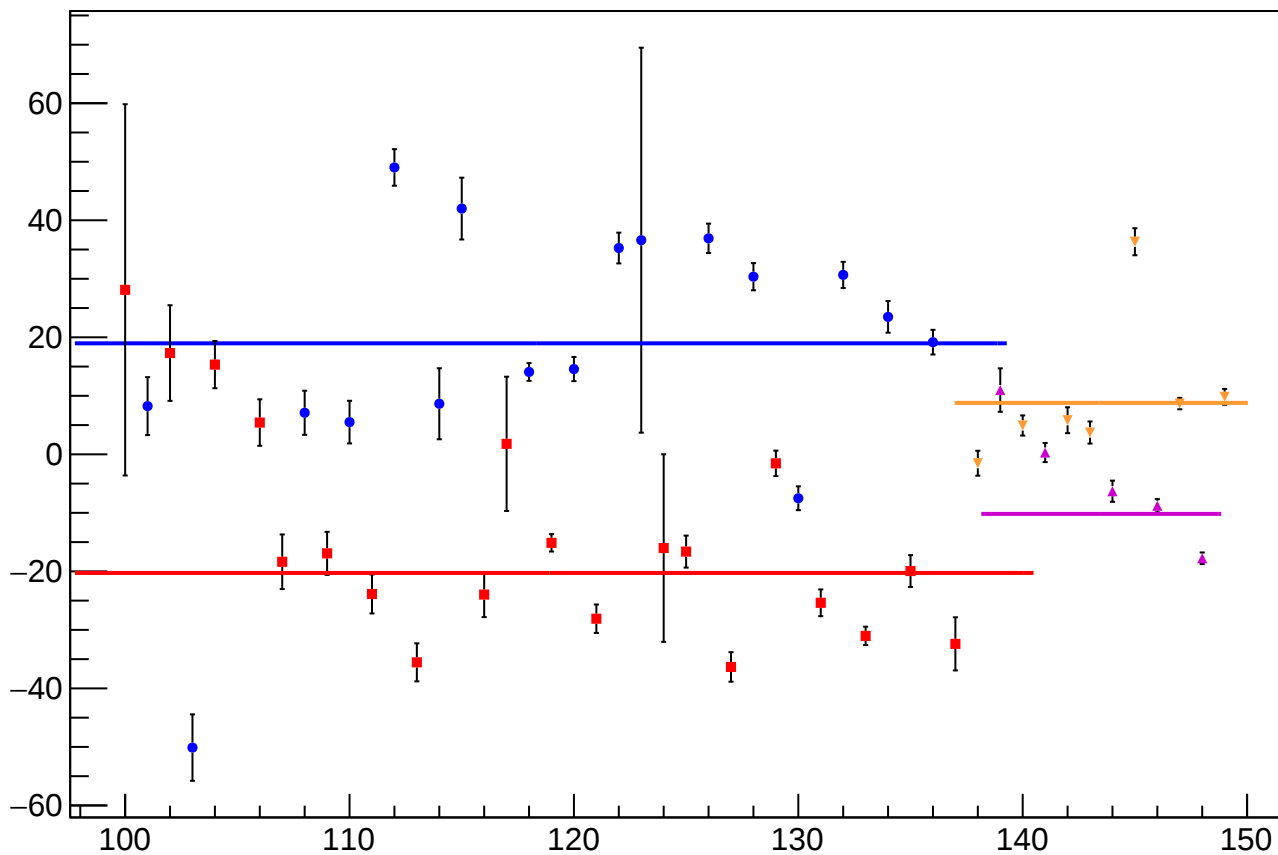
Left In: 55.269+/-0.962 χ^2/NDF : 295.4/4

-51.088+/-0.874 χ^2/NDF : 657.2/6

-2.970+/-0.647 χ^2/NDF : 7645.6/11

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 χ^2/NDF : 618.4/16

Left Out: 8.795 ± 0.594 χ^2/NDF : 180.1/6

Right Out: -20.269 ± 0.641 χ^2/NDF : 370.1/19

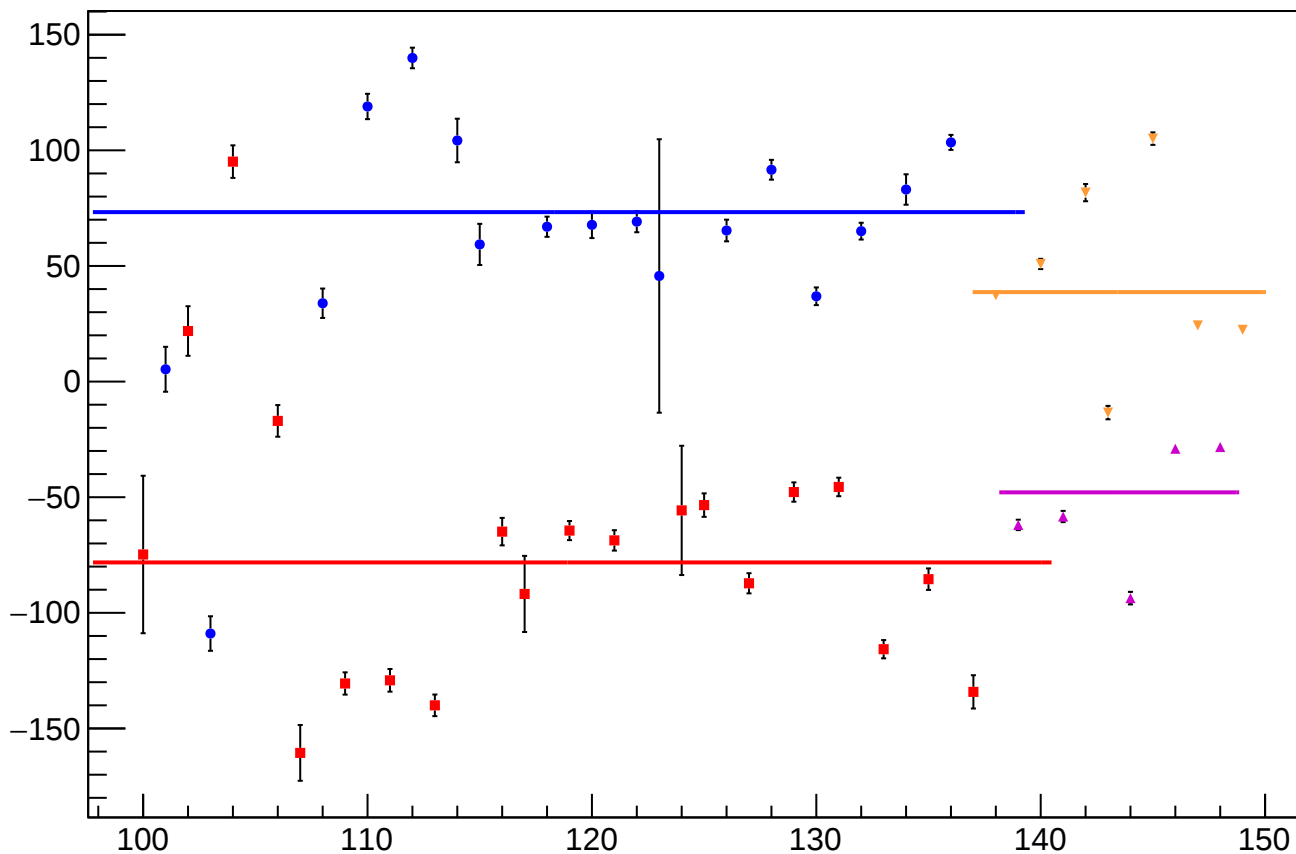
Left In: -10.177 ± 0.628 χ^2/NDF : 138.0/4

13.405 ± 0.440 χ^2/NDF : 931.3/23

-0.565 ± 0.314 χ^2/NDF : 3628.3/48

-15.117 ± 0.449 χ^2/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: 38.695 $\pm$ 0.886 χ^2 /NDF:1213.1/6

Right Out: -78.205 $\pm$ 1.219 χ^2 /NDF: 1544.0/19

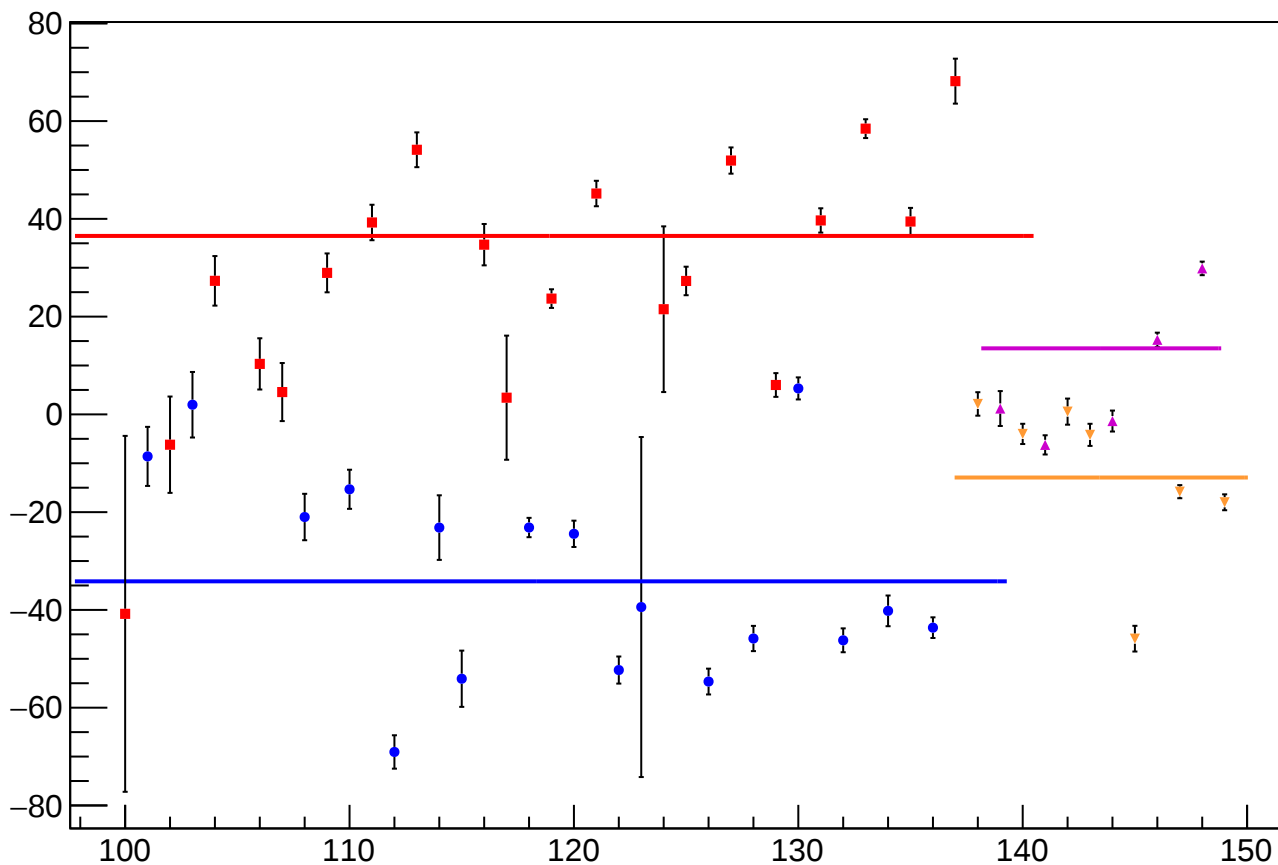
Left In: -47.900 $\pm$ 0.970 χ^2 /NDF:548.5/4

50.423 $\pm$ 0.720 χ^2 /NDF: 2928.7/23

-1.701 $\pm$ 0.522 χ^2 /NDF: 16466.1/48

-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 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -12.915 ± 0.741 χ^2/NDF : 269.6/6

Right Out: 36.507 ± 0.735 χ^2/NDF : 553.8/19

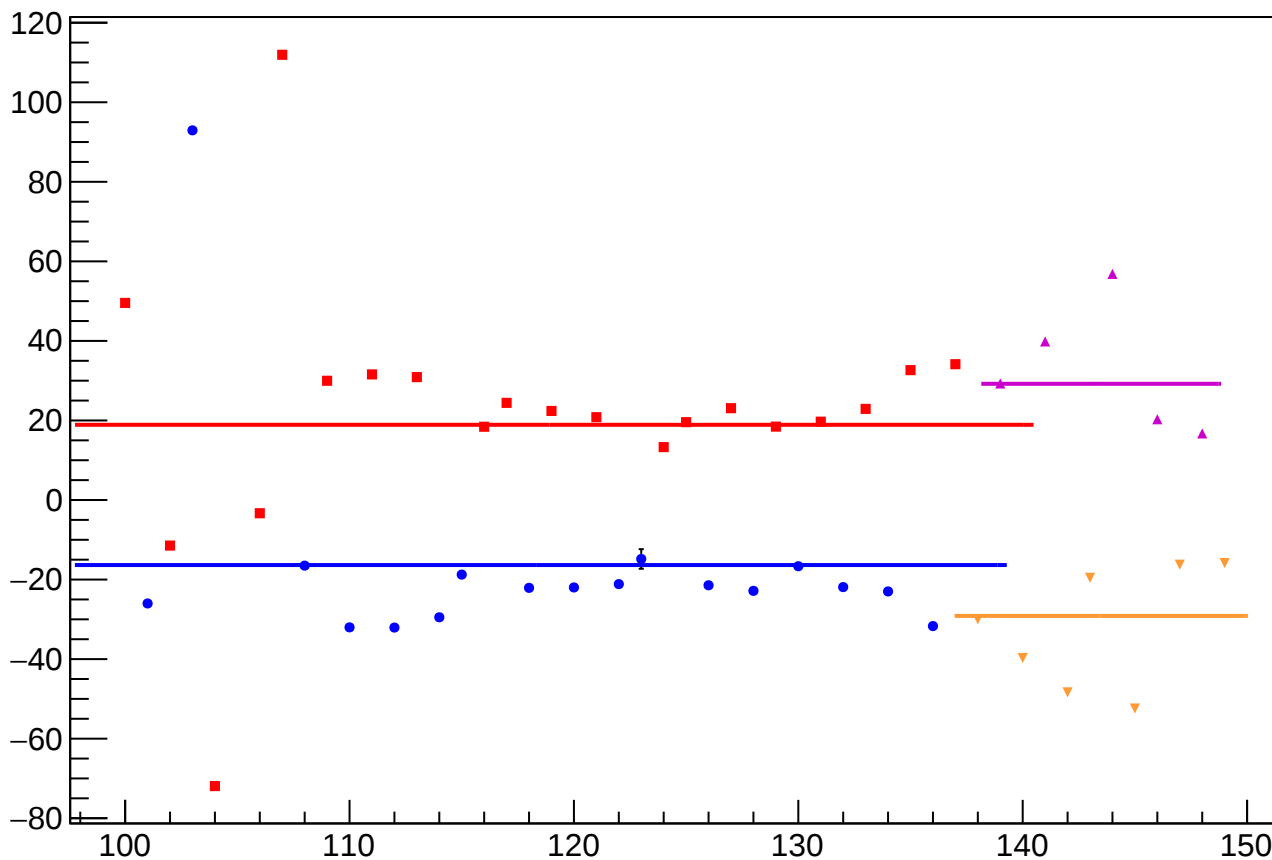
Left In: 13.509 ± 0.805 χ^2/NDF : 301.2/4

-23.479 ± 0.525 χ^2/NDF : 1395.6/23

0.490 ± 0.377 χ^2/NDF : 6998.6/48

26.058 ± 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: -29.136 ± 0.037 $\chi^2/\text{NDF}: 127475.6/6$

Right Out: 18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

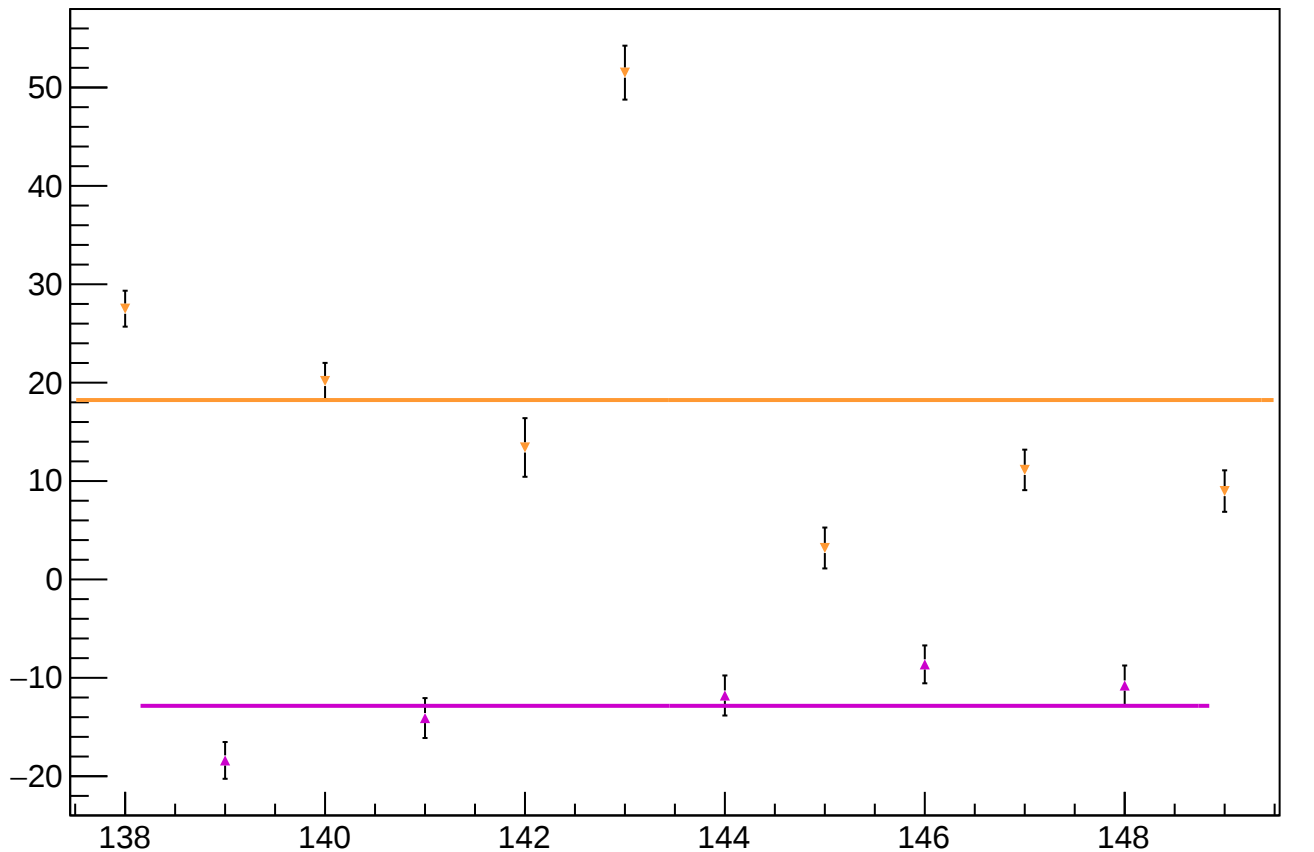
Left In: 29.220 ± 0.040 $\chi^2/\text{NDF}: 99638.8/4$

-23.860 ± 0.029 $\chi^2/\text{NDF}: 649858.2/23$

-0.709 ± 0.021 $\chi^2/\text{NDF}: 2578563.9/48$

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 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 18.233 $\pm$ 0.808 χ^2/NDF : 260.4/6

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

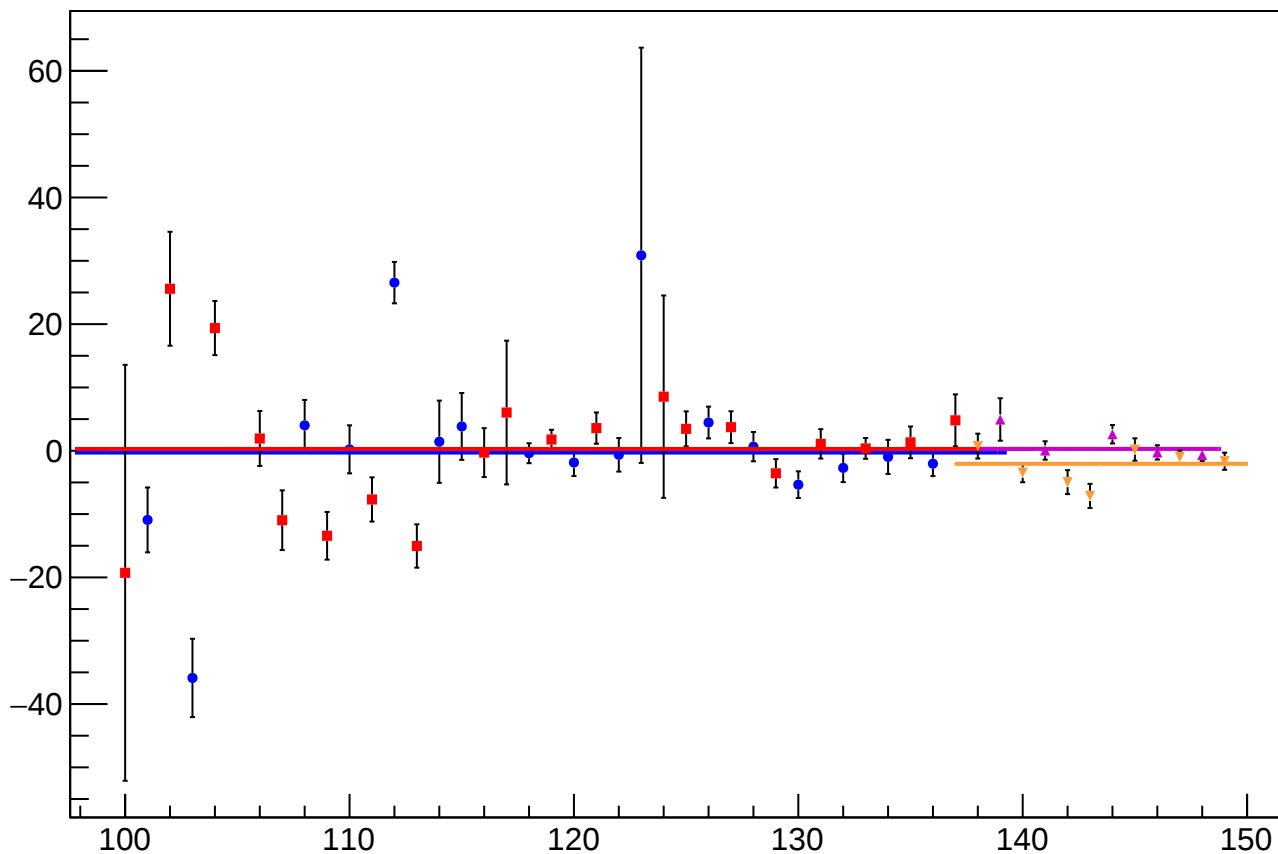
Left In: -12.845 $\pm$ 0.883 χ^2/NDF : 15.3/4

18.233 $\pm$ 0.808 χ^2/NDF : 260.4/6

4.079 $\pm$ 0.596 χ^2/NDF : 950.1/11

-12.845 $\pm$ 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: -2.058 ± 0.563 χ^2/NDF : 15.3/6

Right Out: 0.289 ± 0.655 χ^2/NDF : 83.4/19

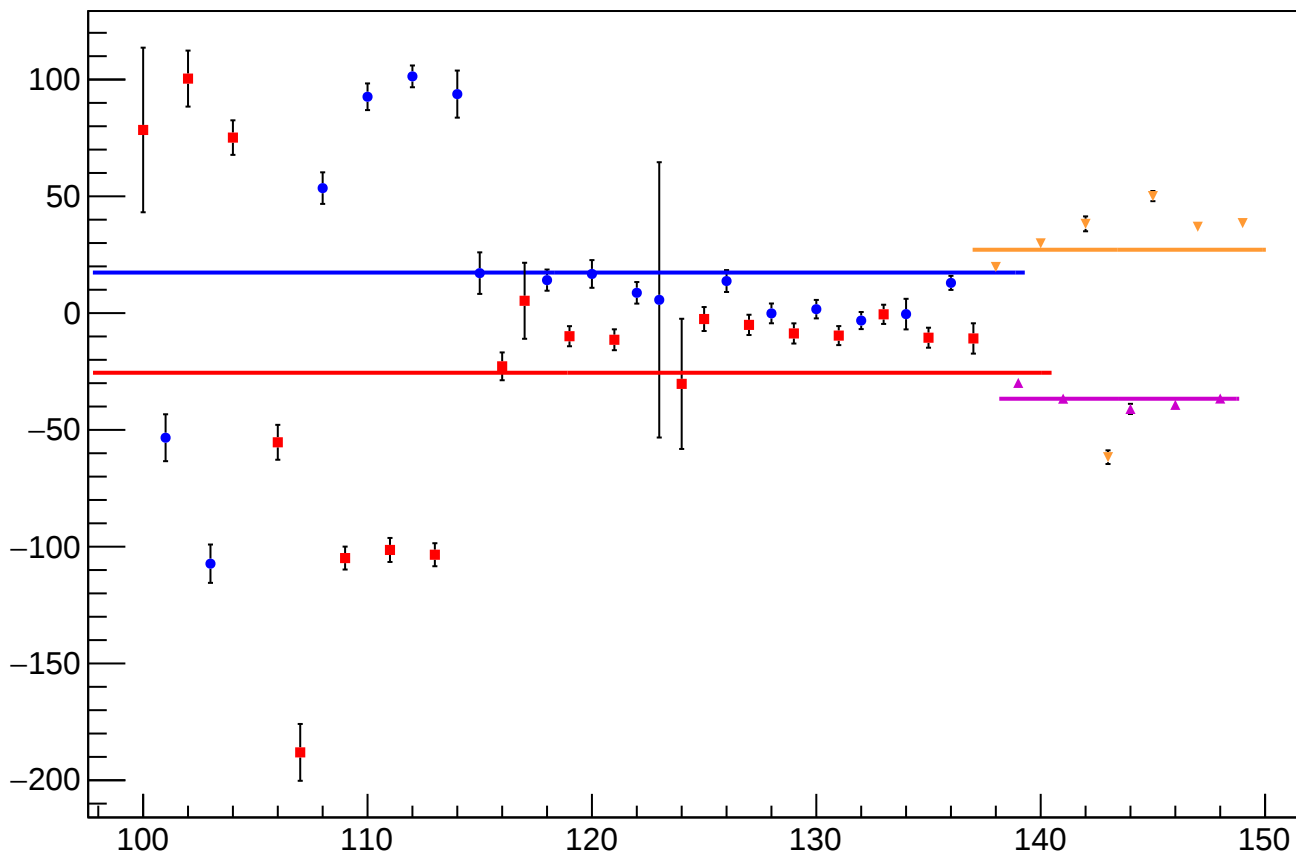
Left In: 0.291 ± 0.594 χ^2/NDF : 5.6/4

-1.312 ± 0.429 χ^2/NDF : 139.0/23

-0.531 ± 0.307 χ^2/NDF : 234.9/48

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 χ^2/NDF : 943.0/16

Left Out: 27.130 ± 0.825 χ^2/NDF : 1119.8/6

Right Out: -25.537 ± 1.239 χ^2/NDF : 1382.4/19

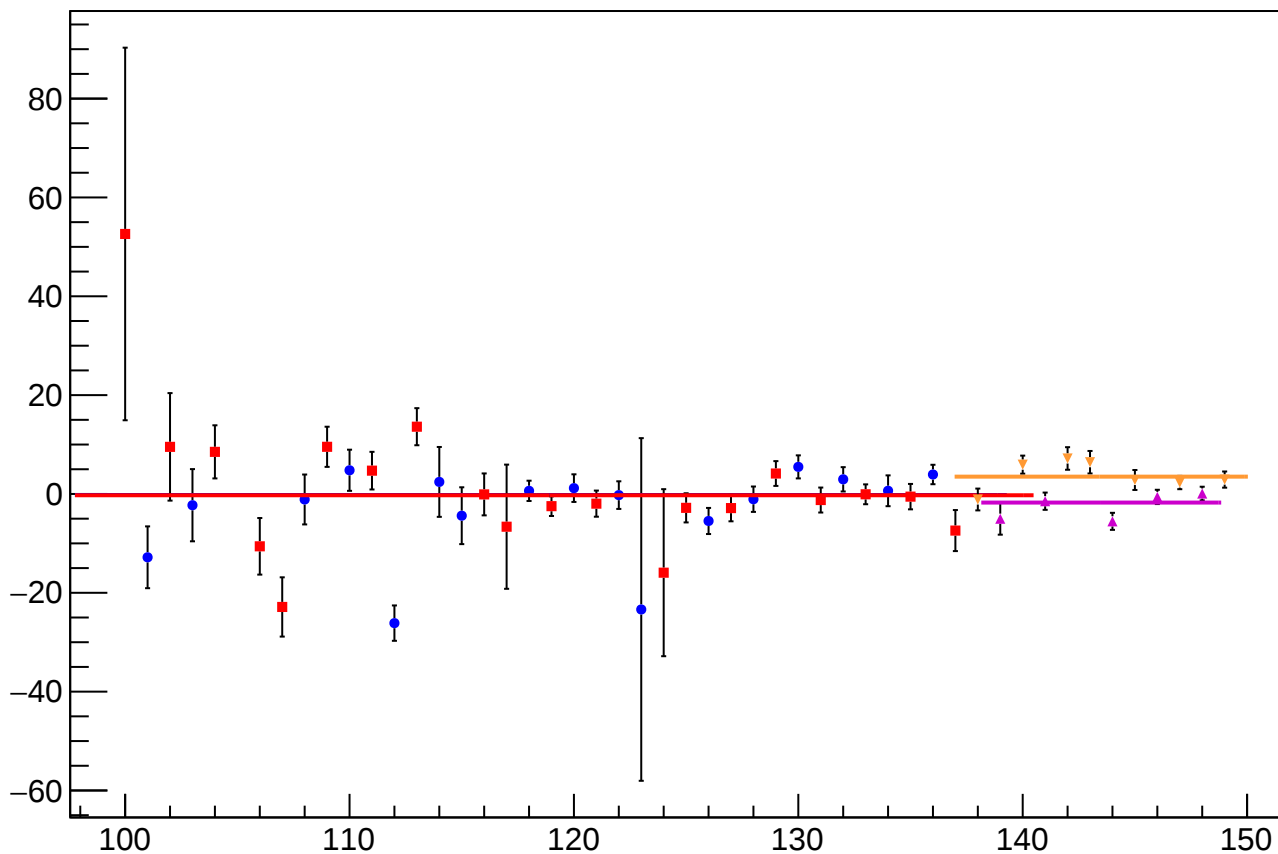
Left In: -36.664 ± 0.898 χ^2/NDF : 17.3/4

24.155 ± 0.688 χ^2/NDF : 2105.5/23

-2.762 ± 0.500 χ^2/NDF : 6797.9/48

-32.832 ± 0.727 χ^2/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: 3.505 ± 0.697 $\chi^2/\text{NDF}: 11.4/6$

Right Out: -0.262 ± 0.747 $\chi^2/\text{NDF}: 54.8/19$

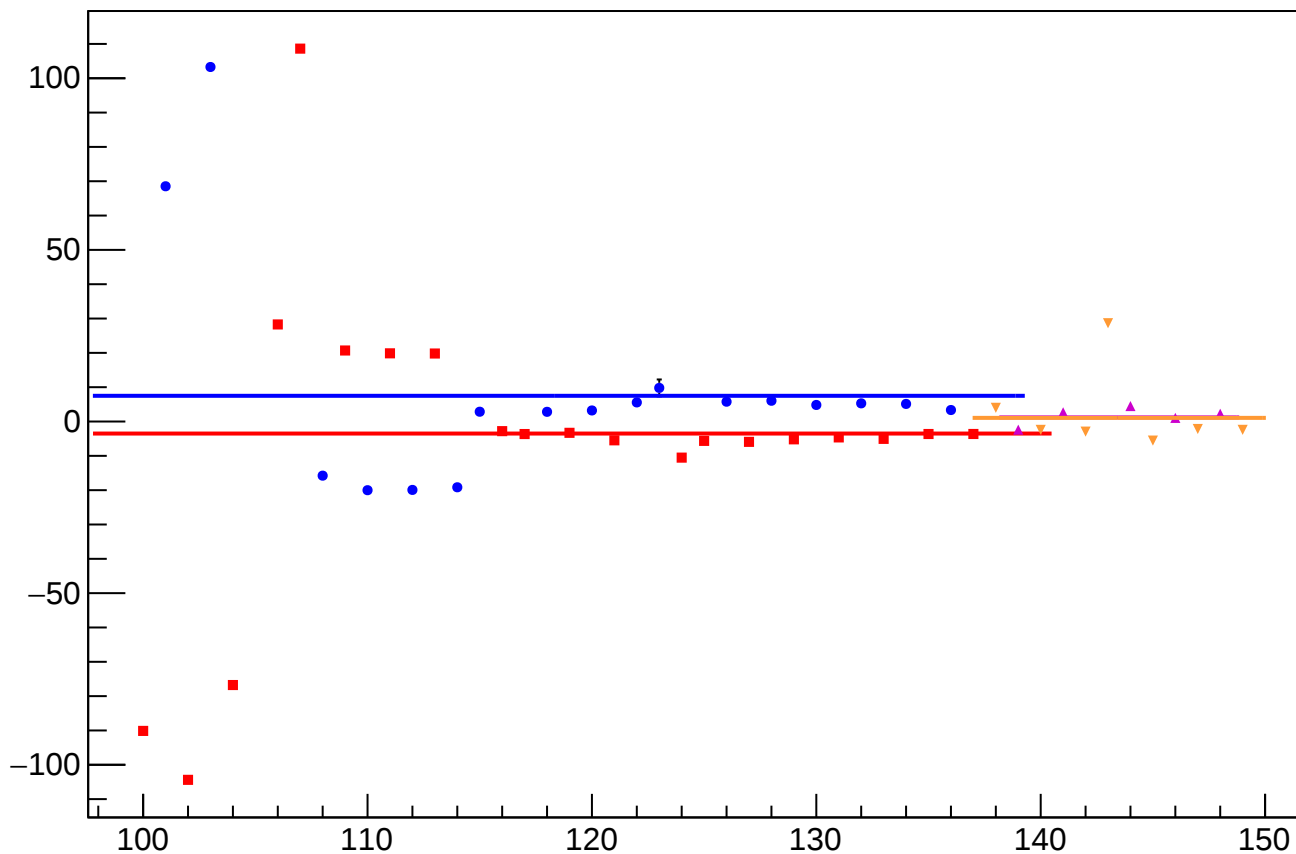
Left In: -1.742 ± 0.753 $\chi^2/\text{NDF}: 8.3/4$

1.788 ± 0.511 $\chi^2/\text{NDF}: 100.5/23$

0.448 ± 0.368 $\chi^2/\text{NDF}: 179.7/48$

-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: 1.062 ± 0.035 $\chi^2/\text{NDF}: 68492.5/6$

Right Out: -3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.5/19$

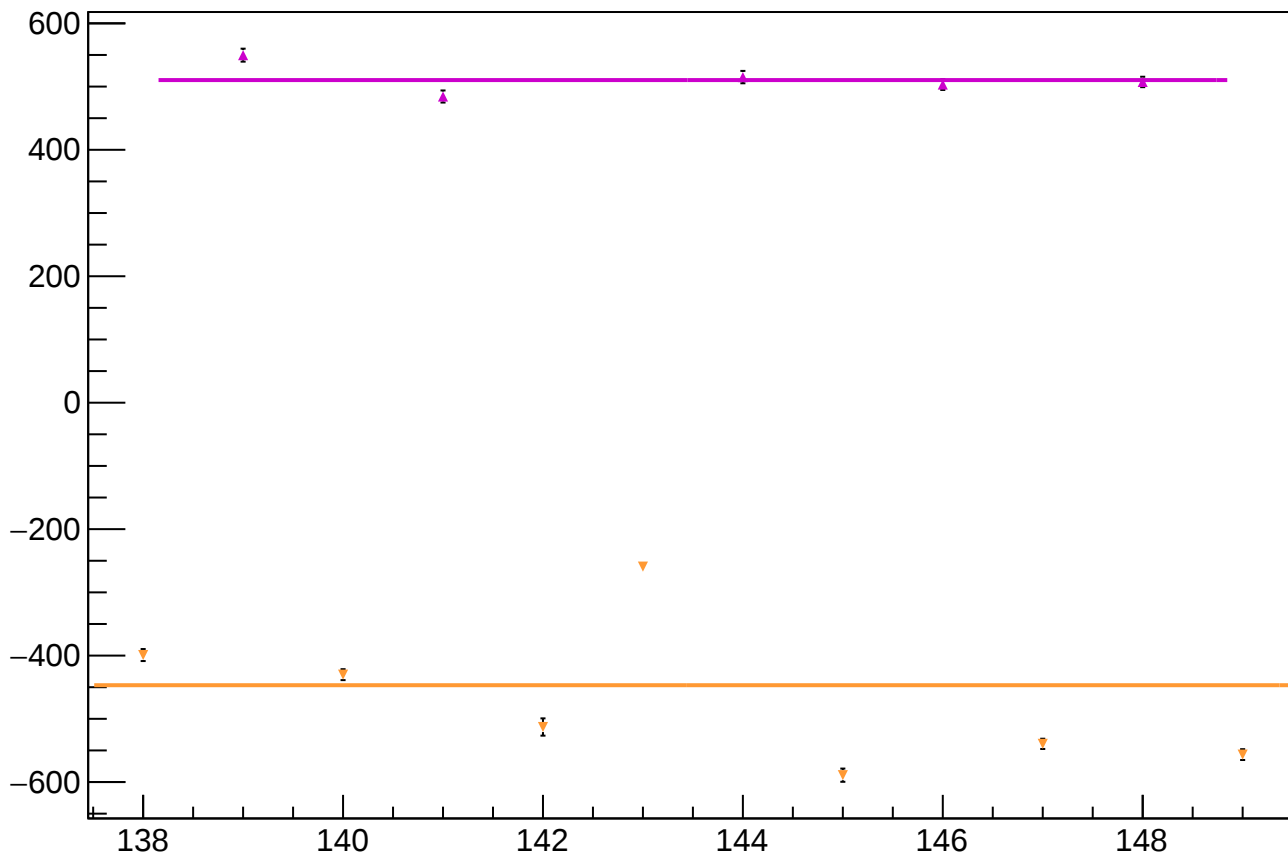
Left In: 1.204 ± 0.037 $\chi^2/\text{NDF}: 4185.8/4$

3.473 ± 0.027 $\chi^2/\text{NDF}: 437443.4/23$

1.505 ± 0.020 $\chi^2/\text{NDF}: 969557.7/48$

-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: -446.847+/-3.370 χ^2/NDF :1246.5/6

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

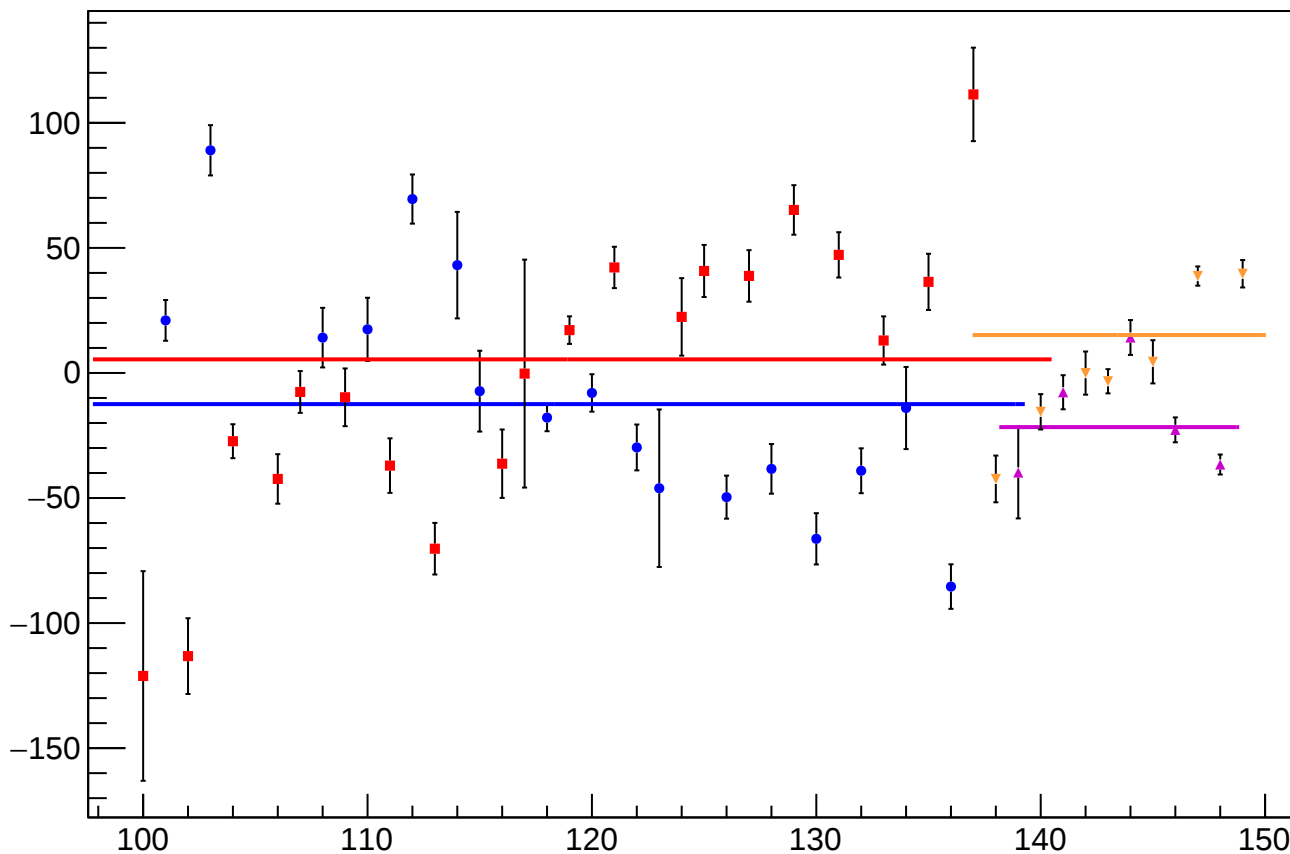
Left In: 510.282+/-4.111 χ^2/NDF :23.2/4

-446.847+/-3.370 χ^2/NDF : 1246.5/6

-62.108+/-2.606 χ^2/NDF : 33694.0/11

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: 15.166 ± 2.225 χ^2/NDF : 133.6/6

Right Out: 5.439 ± 2.256 χ^2/NDF : 345.0/19

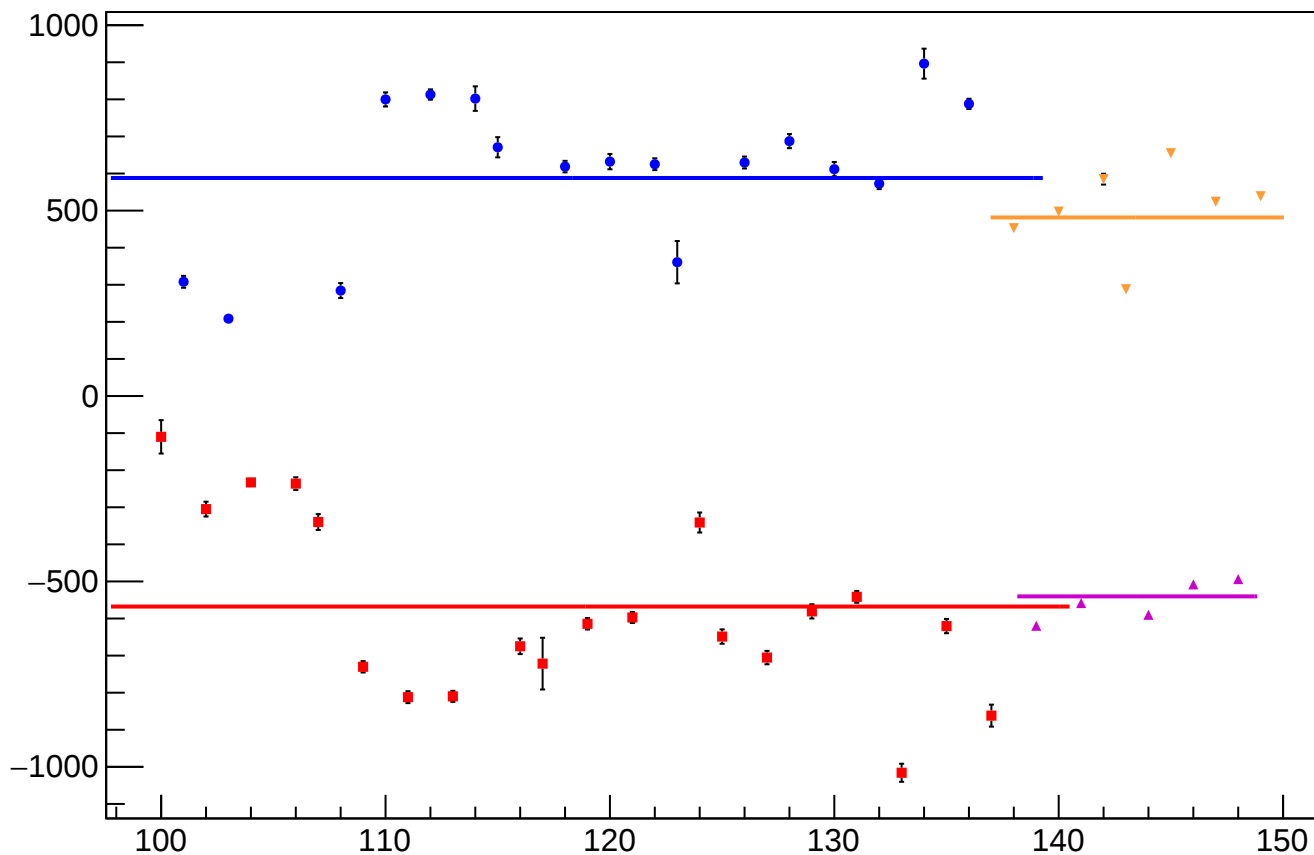
Left In: -21.647 ± 2.597 χ^2/NDF : 45.7/4

2.097 ± 1.615 χ^2/NDF : 547.6/23

-1.837 ± 1.172 χ^2/NDF : 1012.8/48

-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: 481.504 ± 3.431 χ^2/NDF : 1058.3/6

Right Out: -567.720 ± 4.129 χ^2/NDF : 2788.1/19

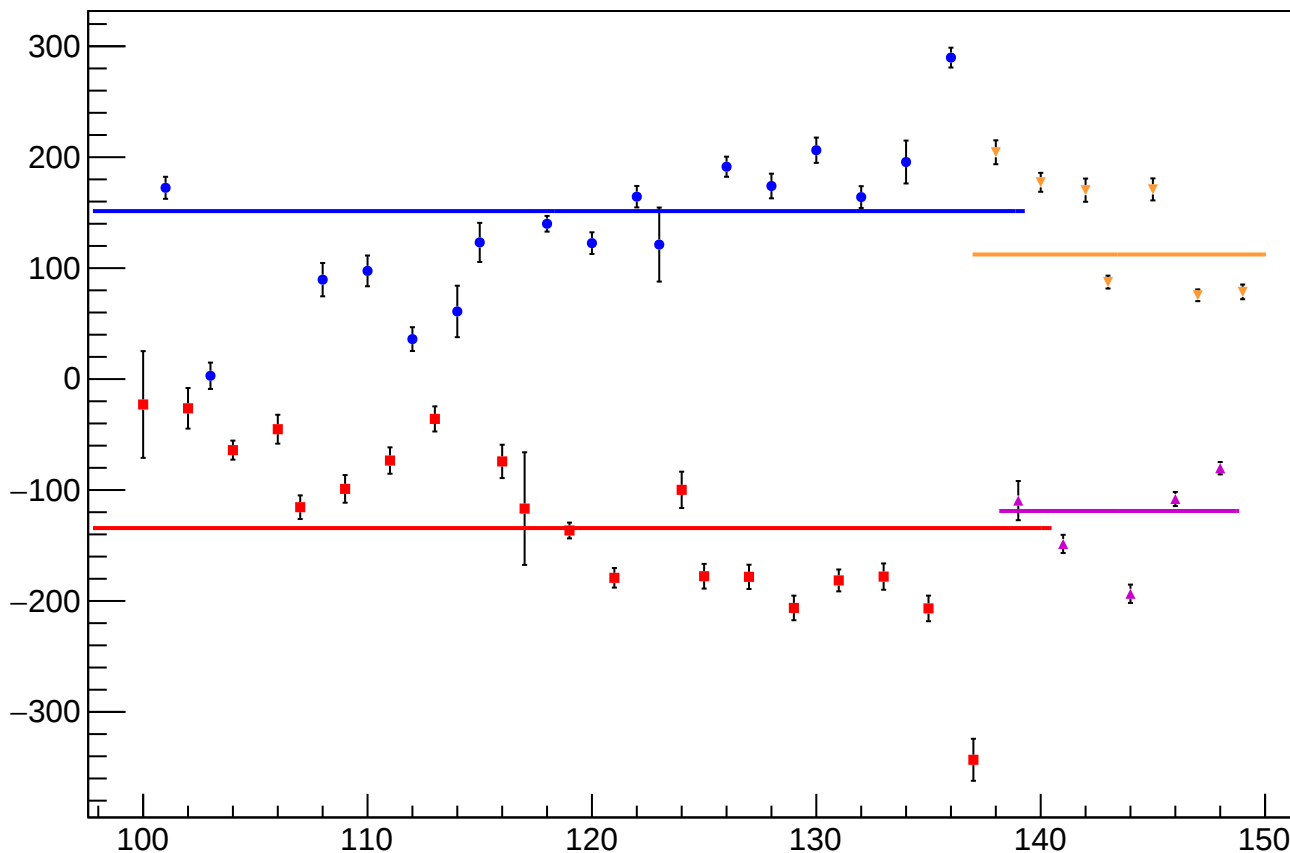
Left In: -540.322 ± 4.133 χ^2/NDF : 128.4/4

522.313 ± 2.695 χ^2/NDF : 3557.1/23

27.477 ± 1.981 χ^2/NDF : 79853.7/48

-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 ± 2.709 χ^2/NDF : 633.3/16

Left Out: 112.305 ± 2.778 χ^2/NDF : 289.2/6

Right Out: -134.299 ± 2.612 χ^2/NDF : 585.0/19

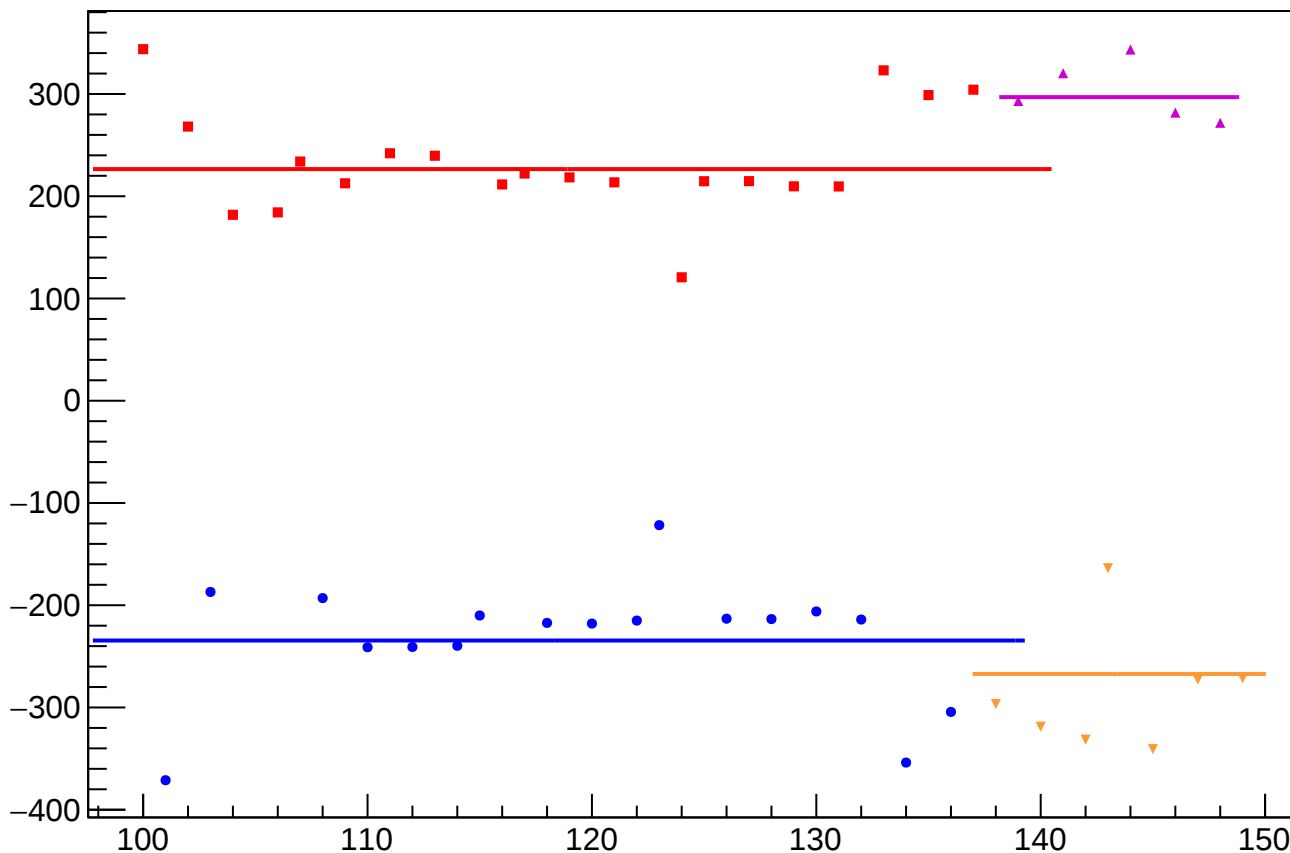
Left In: -118.882 ± 3.345 χ^2/NDF : 145.4/4

132.353 ± 1.939 χ^2/NDF : 1024.1/23

9.714 ± 1.412 χ^2/NDF : 10270.8/48

-128.459 ± 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 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -267.221 ± 0.145 $\chi^2/\text{NDF}: 180842.7/6$

Right Out: 226.572 ± 0.141 $\chi^2/\text{NDF}: 98970.7/19$

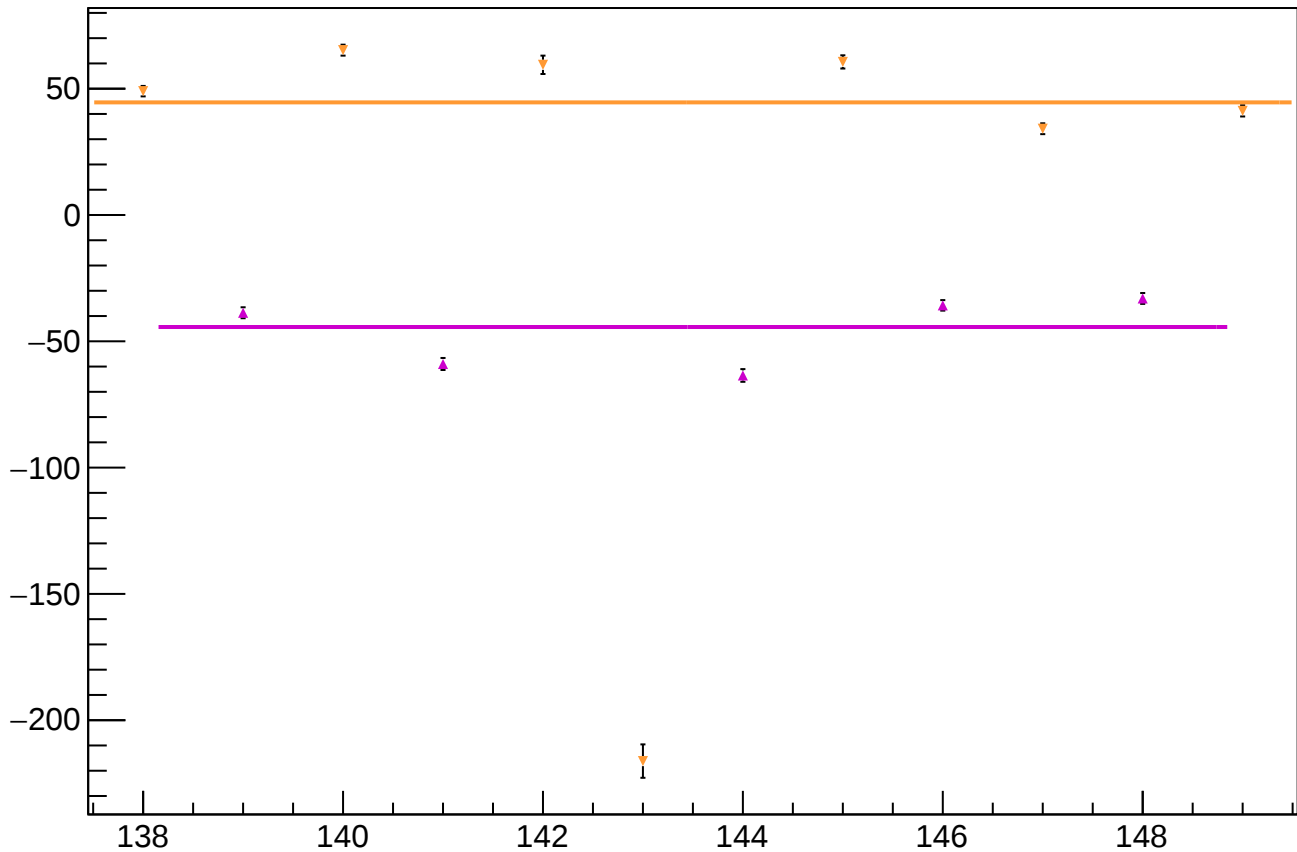
Left In: 296.938 ± 0.173 $\chi^2/\text{NDF}: 20992.8/4$

-251.288 ± 0.104 $\chi^2/\text{NDF}: 350621.1/23$

-11.277 ± 0.075 $\chi^2/\text{NDF}: 11798695.6/48$

254.684 ± 0.109 $\chi^2/\text{NDF}: 219080.1/24$

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: 44.581+/-0.949 χ^2/NDF : 1730.4/6

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

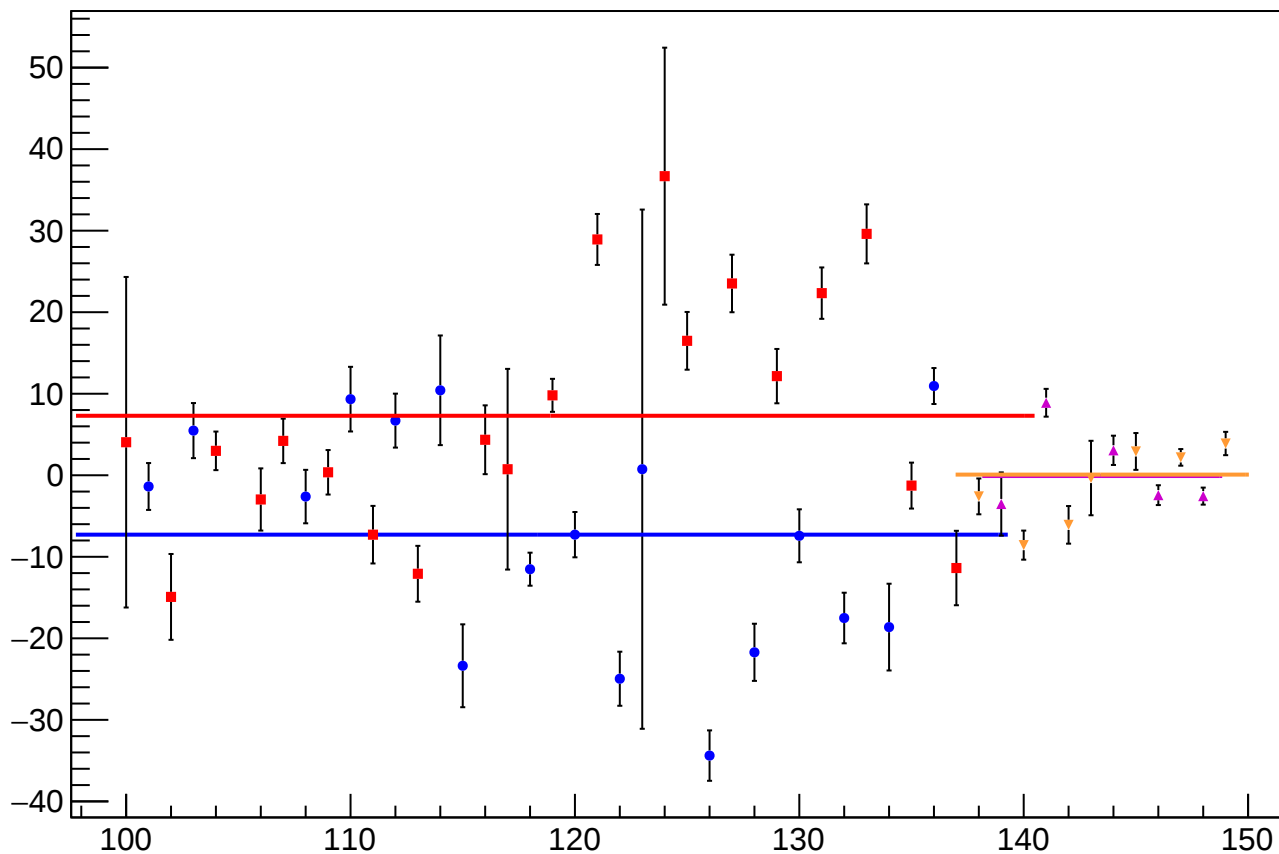
Left In: -44.341+/-1.003 χ^2/NDF : 147.3/4

44.581+/-0.949 χ^2/NDF : 1730.4/6

2.558+/-0.689 χ^2/NDF : 6024.1/11

-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 $\pm$ 0.789 χ^2/NDF : 283.2/16

Left Out: 0.081 $\pm$ 0.645 χ^2/NDF : 45.1/6

Right Out: 7.298 $\pm$ 0.759 χ^2/NDF : 255.6/19

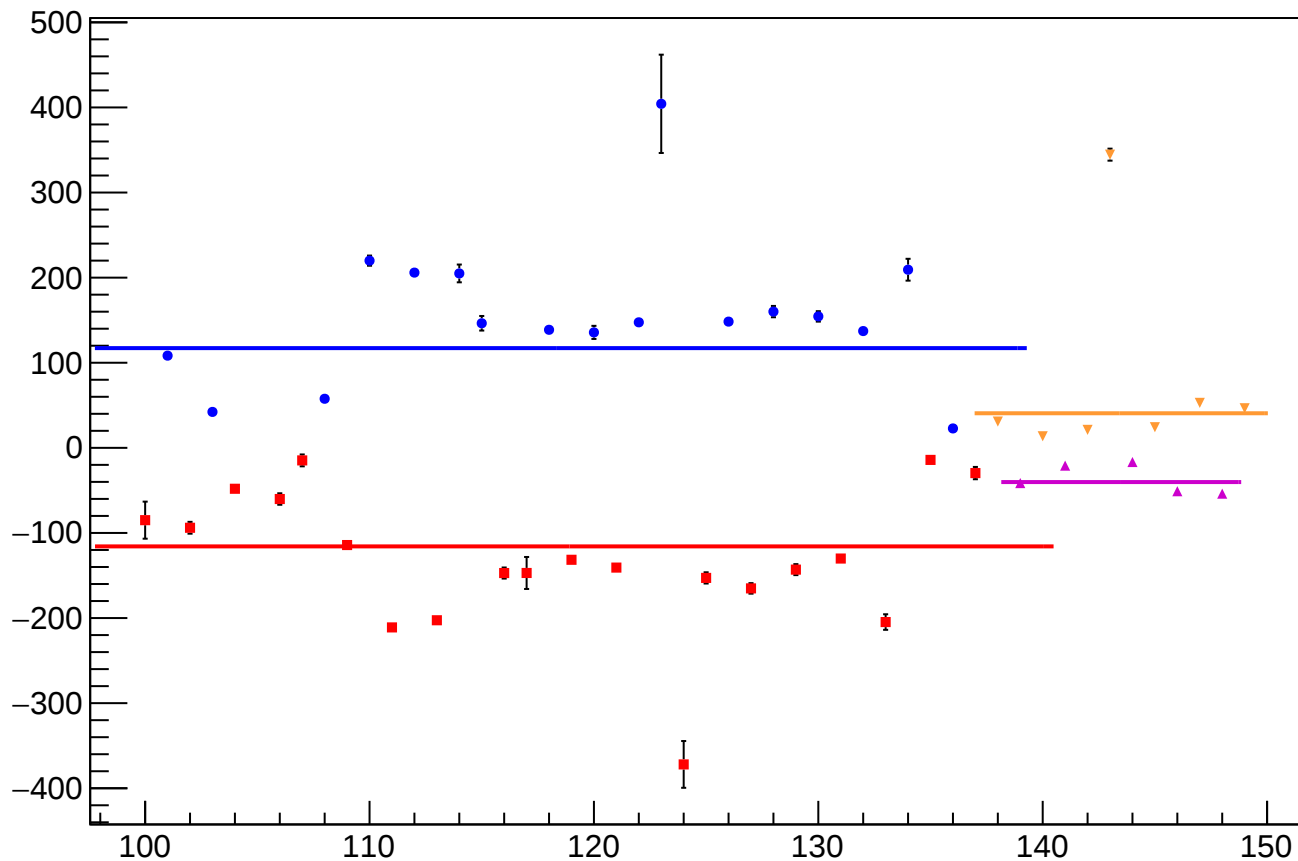
Left In: -0.095 $\pm$ 0.658 χ^2/NDF : 40.9/4

-2.871 $\pm$ 0.499 χ^2/NDF : 380.6/23

0.114 $\pm$ 0.352 χ^2/NDF : 802.5/48

3.074 $\pm$ 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 $\chi^2/\text{NDF}: 2161.0/16$

Left Out: 40.634 ± 0.959 $\chi^2/\text{NDF}: 2116.2/6$

Right Out: -115.795 ± 1.357 $\chi^2/\text{NDF}: 2140.4/19$

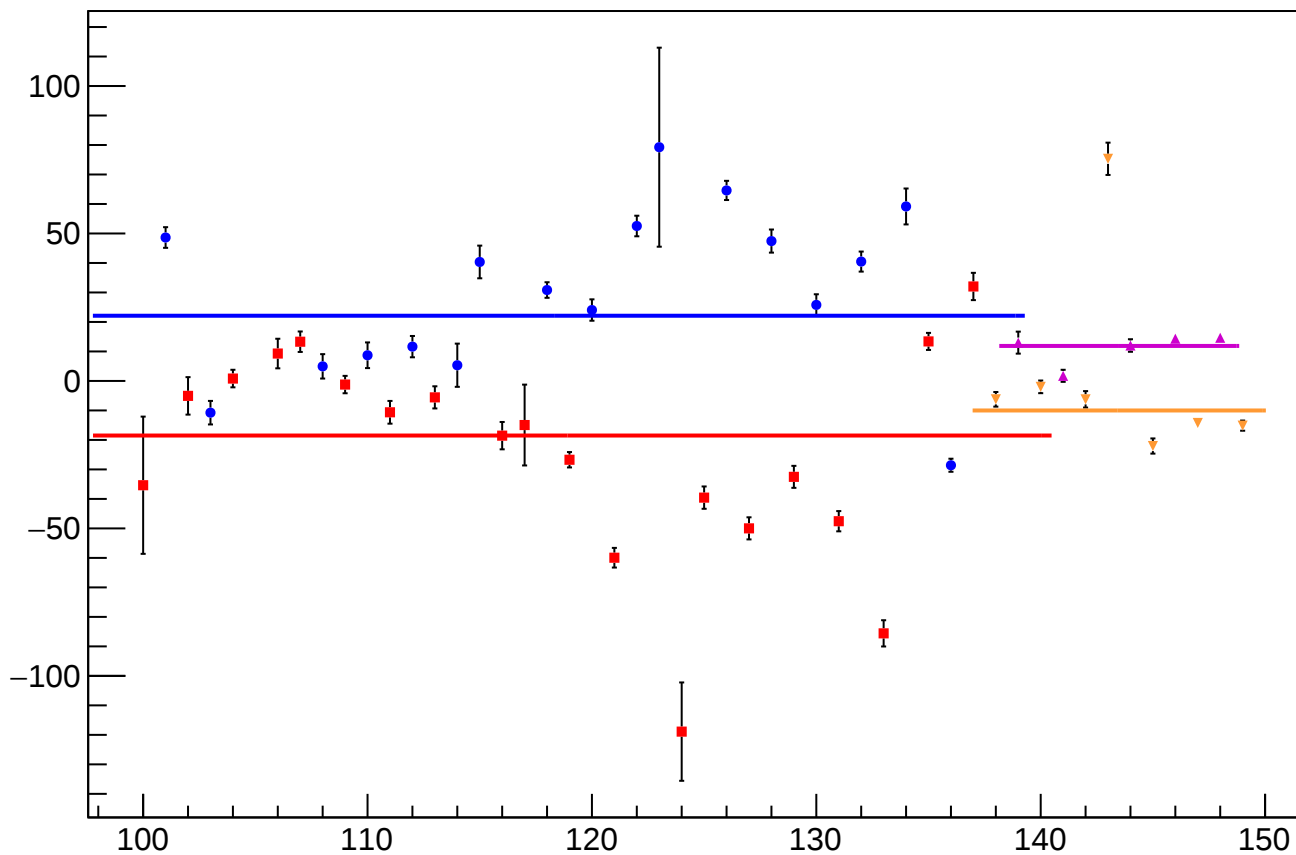
Left In: -40.212 ± 1.014 $\chi^2/\text{NDF}: 210.1/4$

64.710 ± 0.794 $\chi^2/\text{NDF}: 6279.7/23$

0.187 ± 0.568 $\chi^2/\text{NDF}: 24117.9/48$

-67.266 ± 0.812 $\chi^2/\text{NDF}: 4341.0/24$

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: -10.012 ± 0.807 χ^2/NDF : 300.9/6

Right Out: -18.506 ± 0.869 χ^2/NDF : 1068.6/19

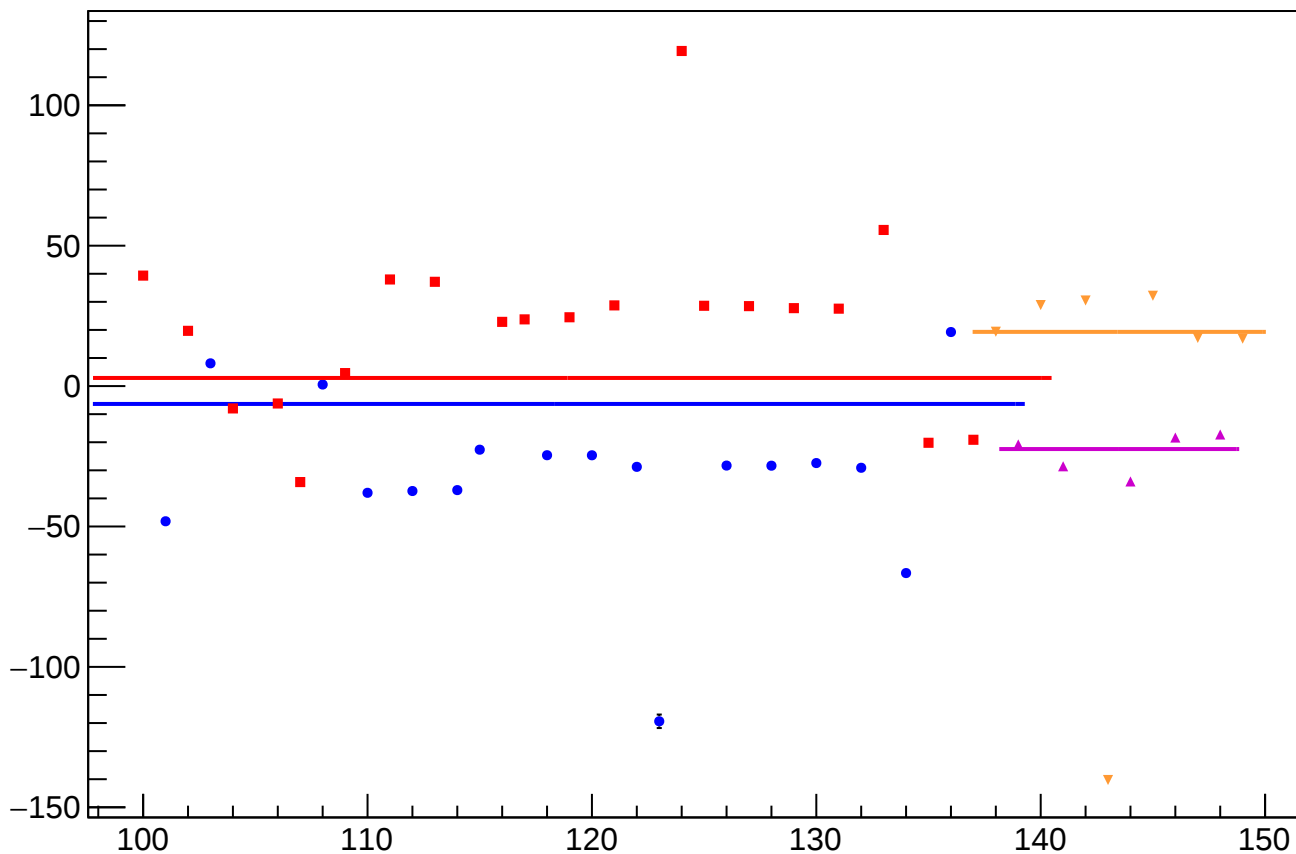
Left In: 11.869 ± 0.842 χ^2/NDF : 30.7/4

4.333 ± 0.600 χ^2/NDF : 2079.0/23

0.781 ± 0.426 χ^2/NDF : 3879.2/48

-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: 19.308 ± 0.041 $\chi^2/\text{NDF}: 347524.4/6$

Right Out: 2.896 ± 0.046 $\chi^2/\text{NDF}: 266162.6/19$

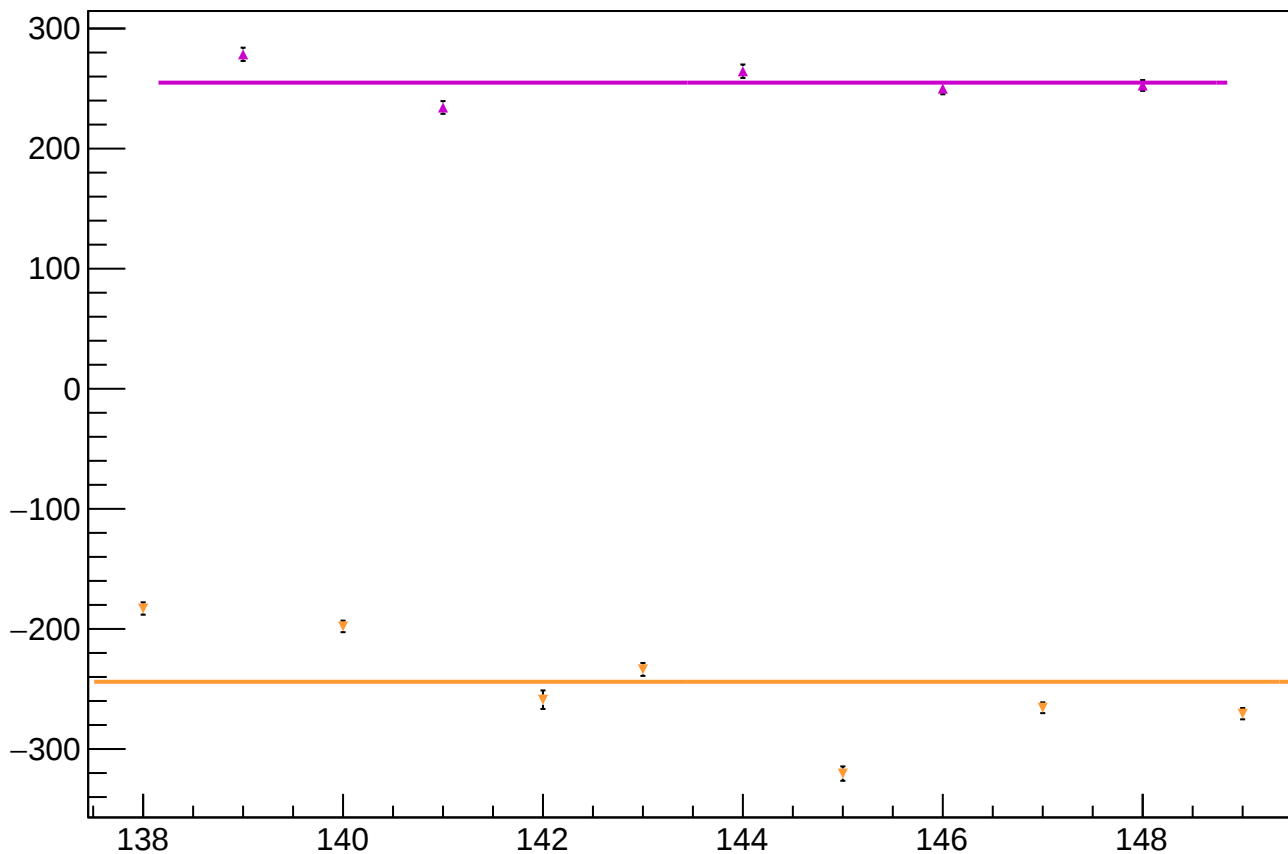
Left In: -22.421 ± 0.042 $\chi^2/\text{NDF}: 19254.1/4$

8.146 ± 0.031 $\chi^2/\text{NDF}: 785859.9/23$

-1.244 ± 0.022 $\chi^2/\text{NDF}: 1429178.9/48$

-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: -243.997+/-1.983 χ^2/NDF : 456.8/6

-243.997+/-1.983 χ^2/NDF : 456.8/6

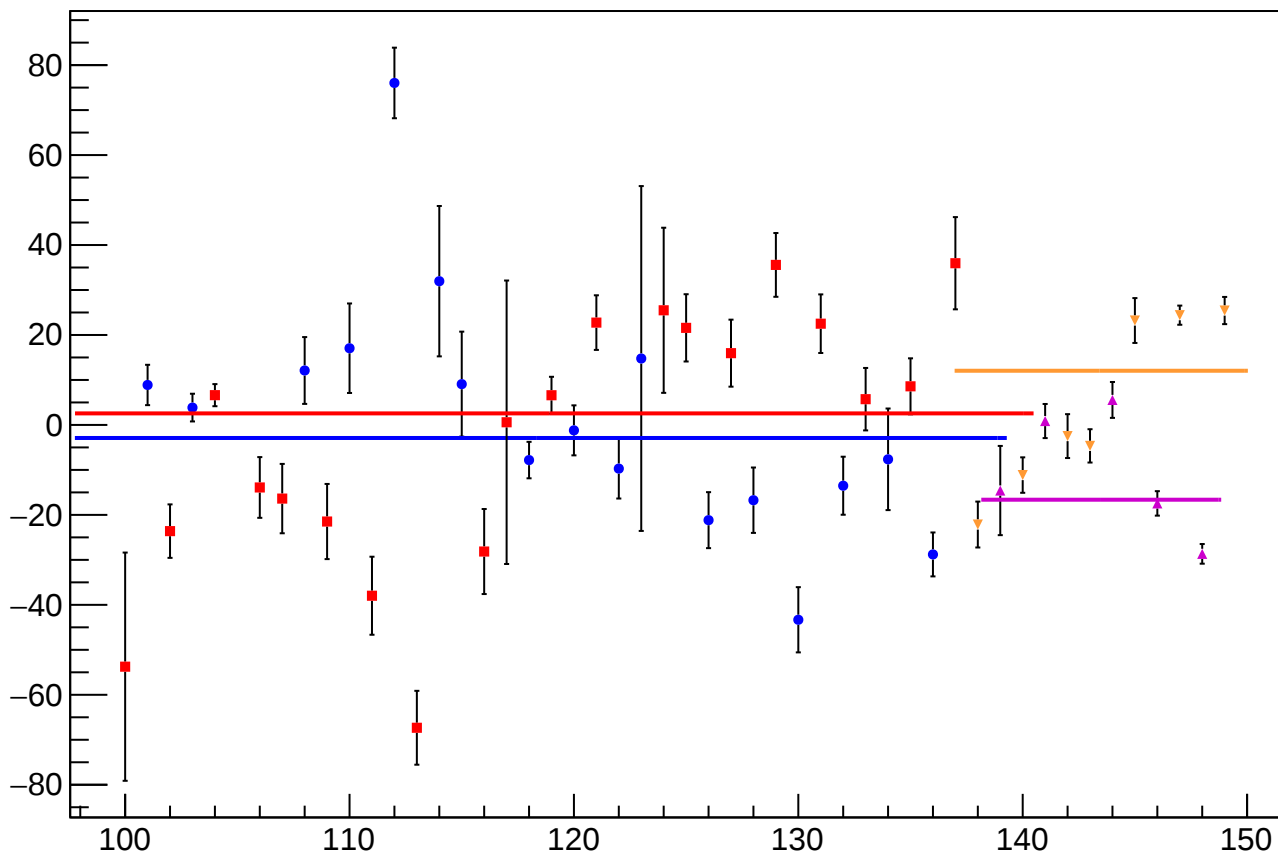
-28.265+/-1.494 χ^2/NDF : 27861.2/11

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

254.932+/-2.272 χ^2/NDF : 37.4/4

Left In: 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 $\chi^2/\text{NDF}: 203.6/16$

Left Out: 12.047 ± 1.305 $\chi^2/\text{NDF}: 167.0/6$

Right Out: 2.566 ± 1.395 $\chi^2/\text{NDF}: 218.2/19$

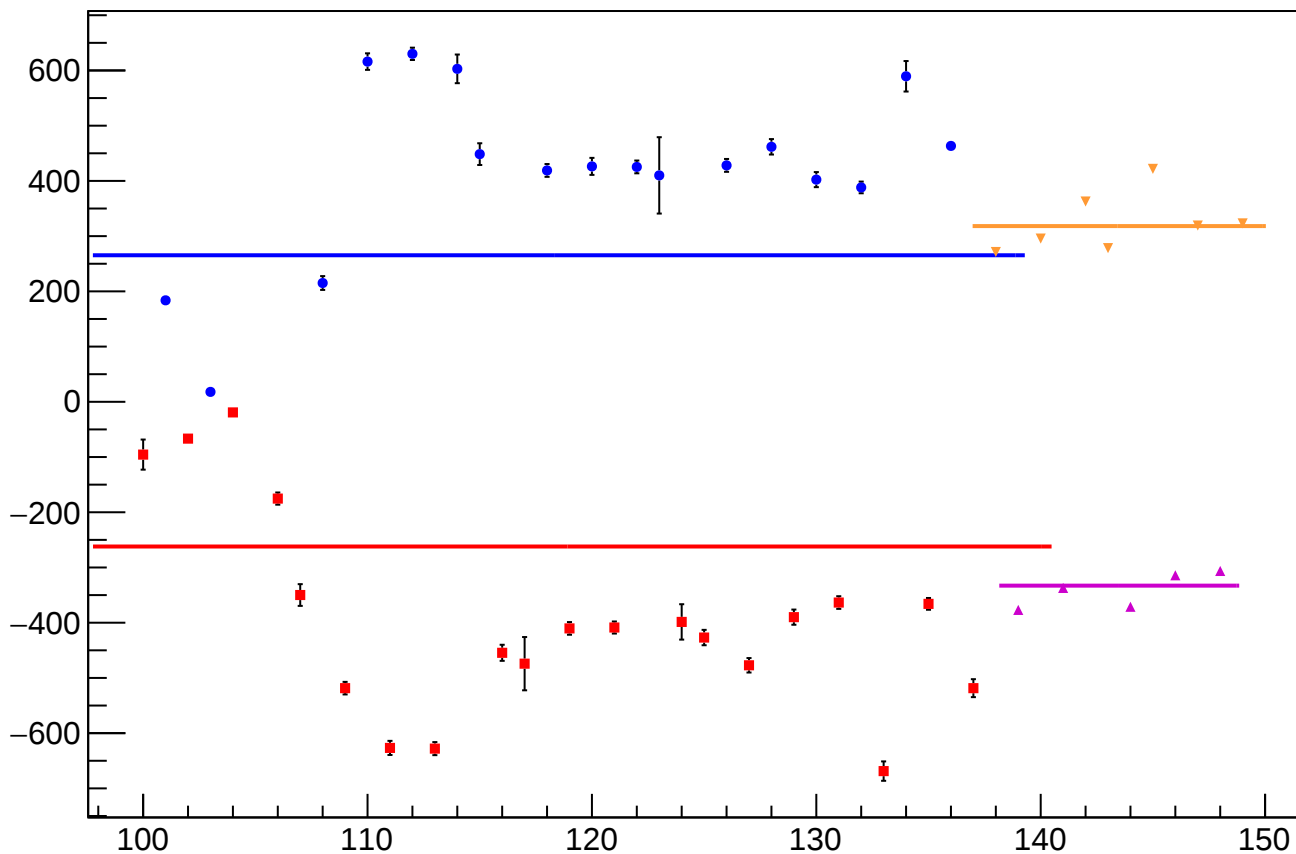
Left In: -16.626 ± 1.433 $\chi^2/\text{NDF}: 82.6/4$

5.447 ± 0.975 $\chi^2/\text{NDF}: 428.5/23$

-0.510 ± 0.698 $\chi^2/\text{NDF}: 898.1/48$

-6.772 ± 1.000 $\chi^2/\text{NDF}: 392.9/24$

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: 318.205 $\pm$ 2.007 χ^2/NDF : 439.7/6

Right Out: -262.016 $\pm$ 2.455 χ^2/NDF : 8223.7/19

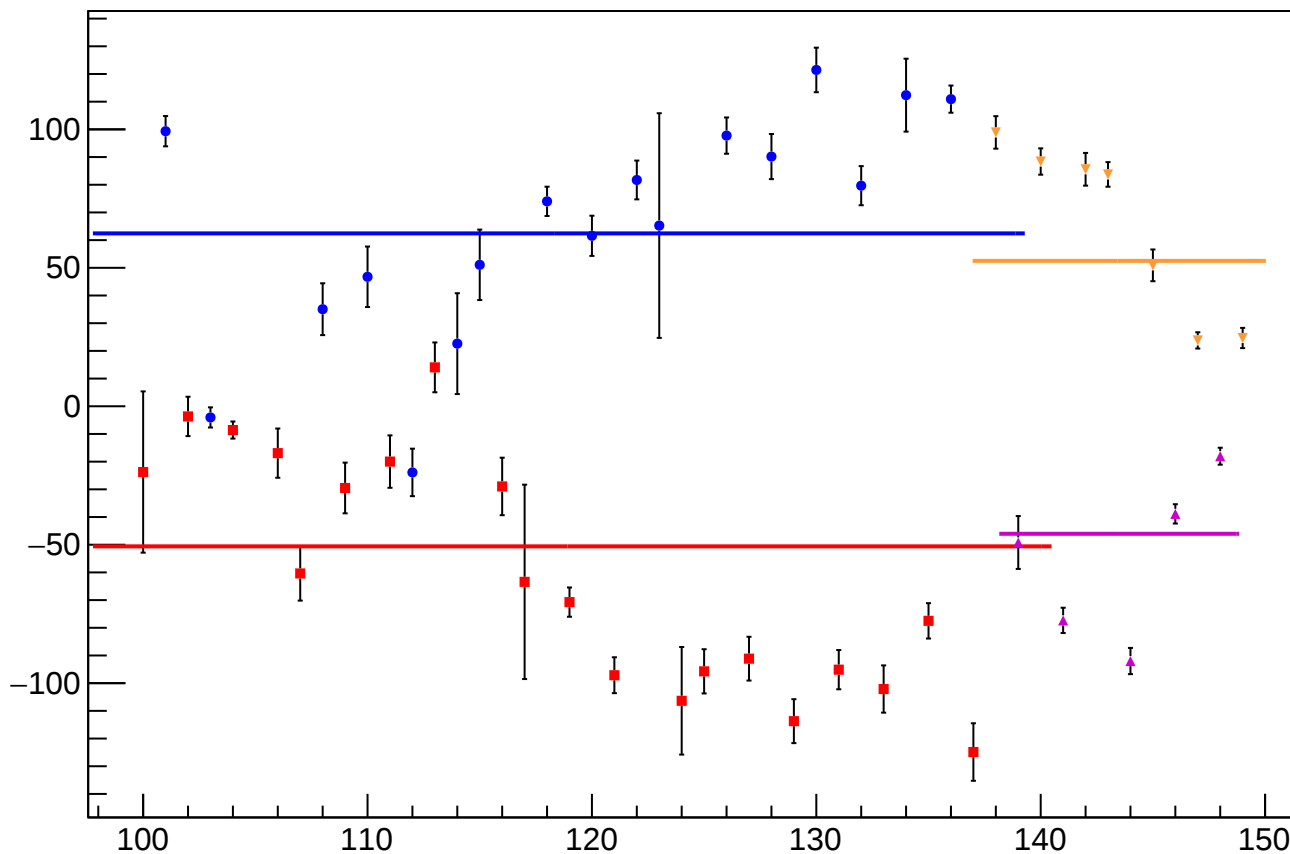
Left In: -332.872 $\pm$ 2.283 χ^2/NDF : 151.5/4

297.379 $\pm$ 1.562 χ^2/NDF : 8346.7/23

18.899 $\pm$ 1.141 χ^2/NDF : 85351.9/48

-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: 52.507+/-1.636 χ^2/NDF : 353.7/6

Right Out: -50.588+/-1.640 χ^2/NDF : 657.5/19

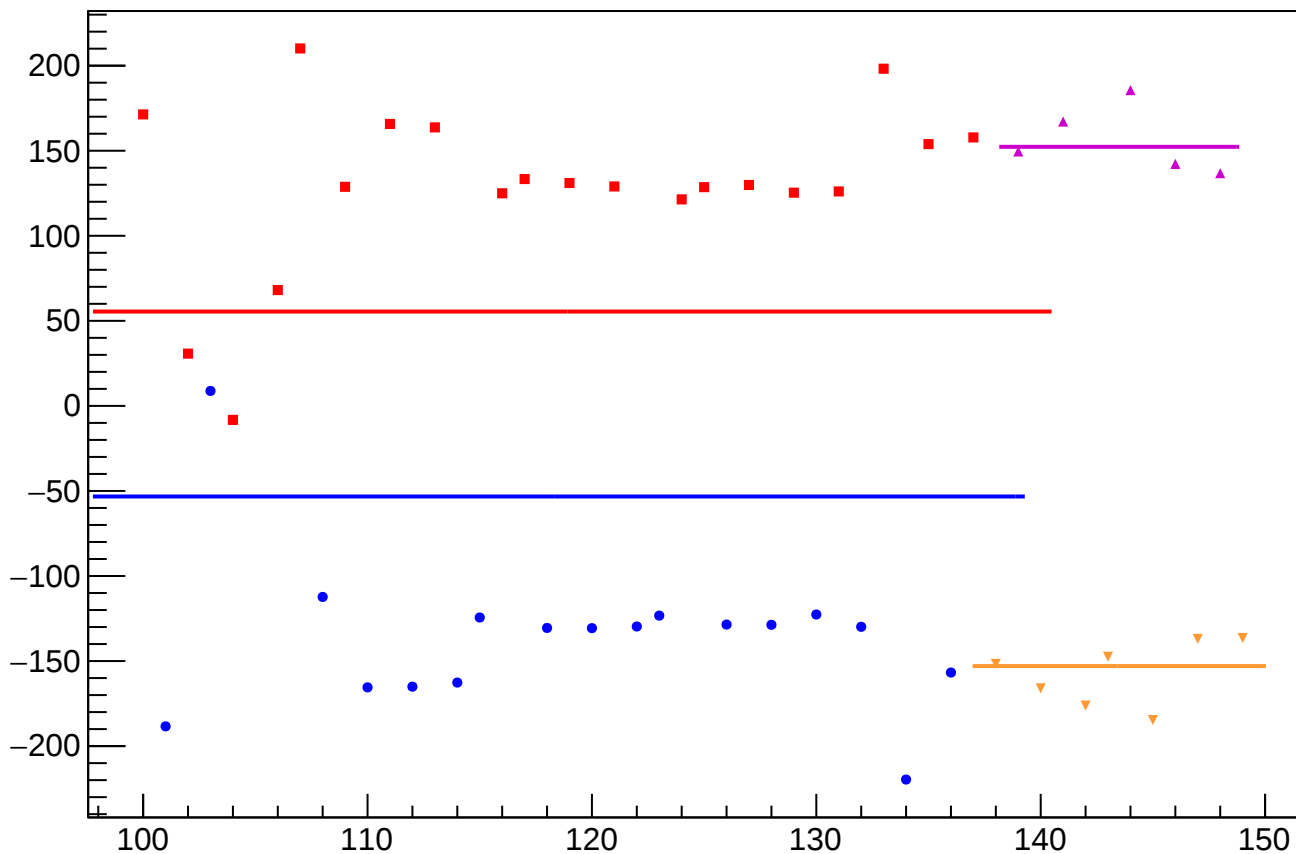
Left In: -46.048+/-1.849 χ^2/NDF : 229.3/4

57.298+/-1.177 χ^2/NDF : 1093.2/23

6.564+/-0.849 χ^2/NDF : 5862.8/48

-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+/-0.070 χ^2/NDF : 1225492.9/16

Left Out: -152.947+/-0.085 χ^2/NDF : 39121.2/6

Right Out: 55.455+/-0.072 χ^2/NDF : 968274.5/19

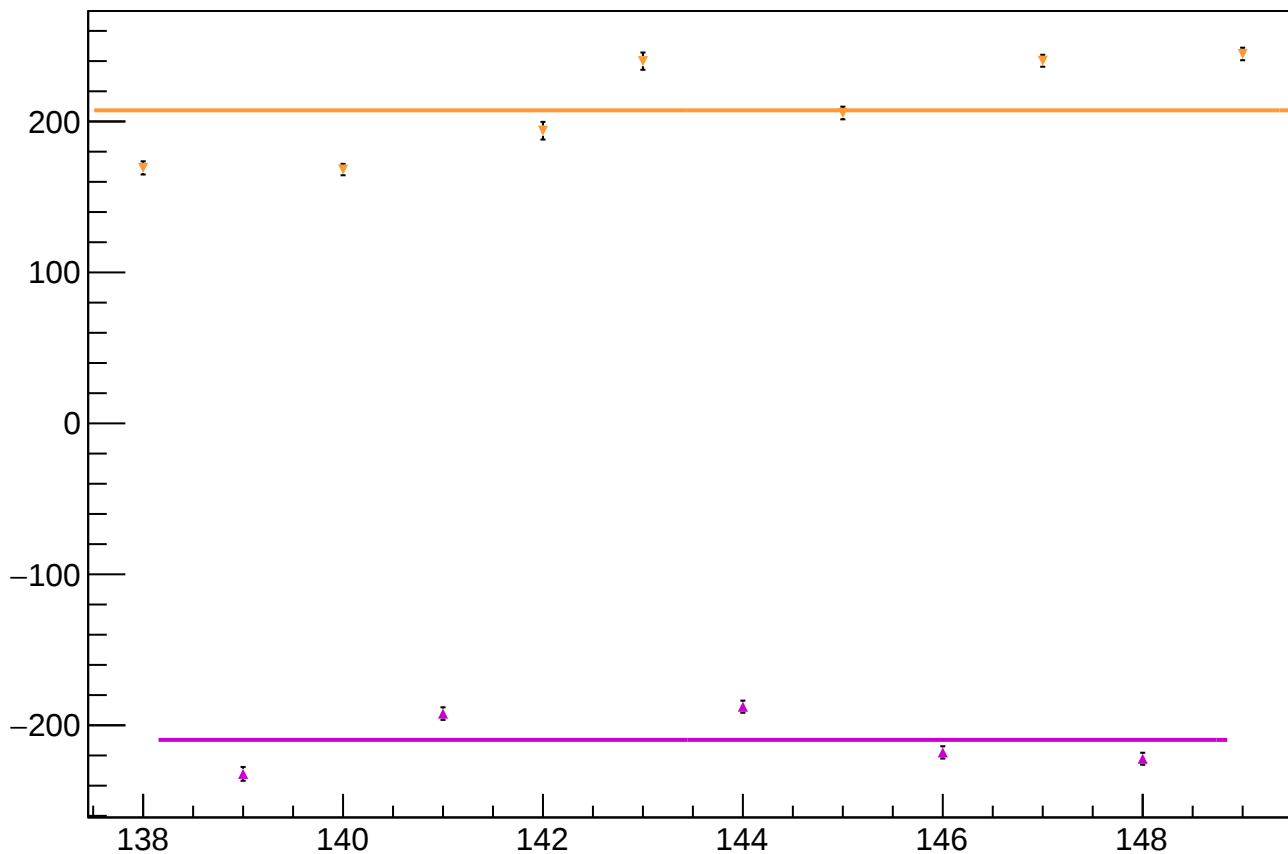
Left In: 152.295+/-0.095 χ^2/NDF : 30126.9/4

-93.582+/-0.054 χ^2/NDF : 2075261.4/23

-6.645+/-0.039 χ^2/NDF : 9150469.2/48

90.508+/-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: 207.374+/-1.668 χ^2/NDF : 370.1/6

207.374+/-1.668 χ^2/NDF : 370.1/6

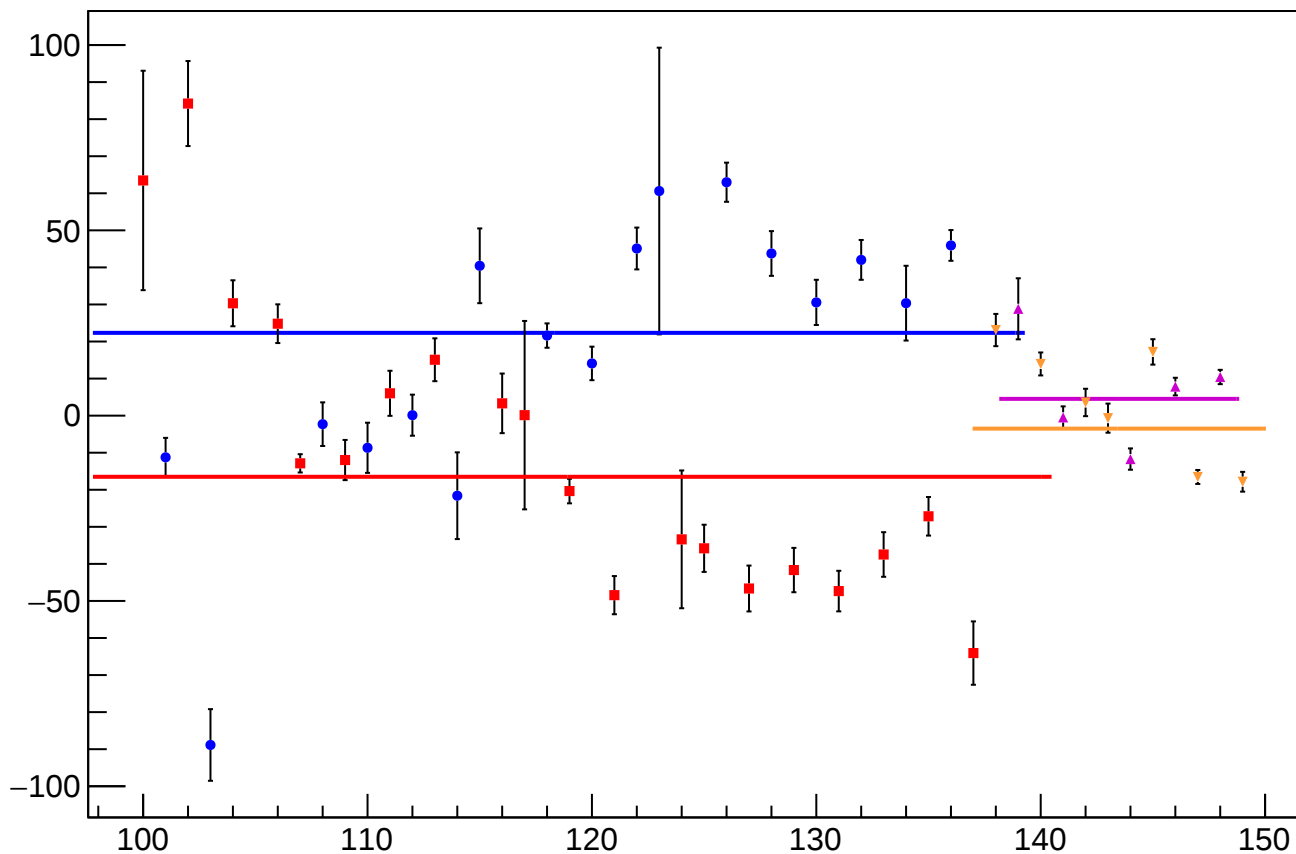
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

21.284+/-1.241 χ^2/NDF : 28349.5/11

Left In: -209.672+/-1.858 χ^2/NDF : 85.2/4

-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: -3.503 $\pm$ 1.117 χ^2 /NDF:186.5/6

Right Out: -16.498 $\pm$ 1.226 χ^2 /NDF: 427.0/19

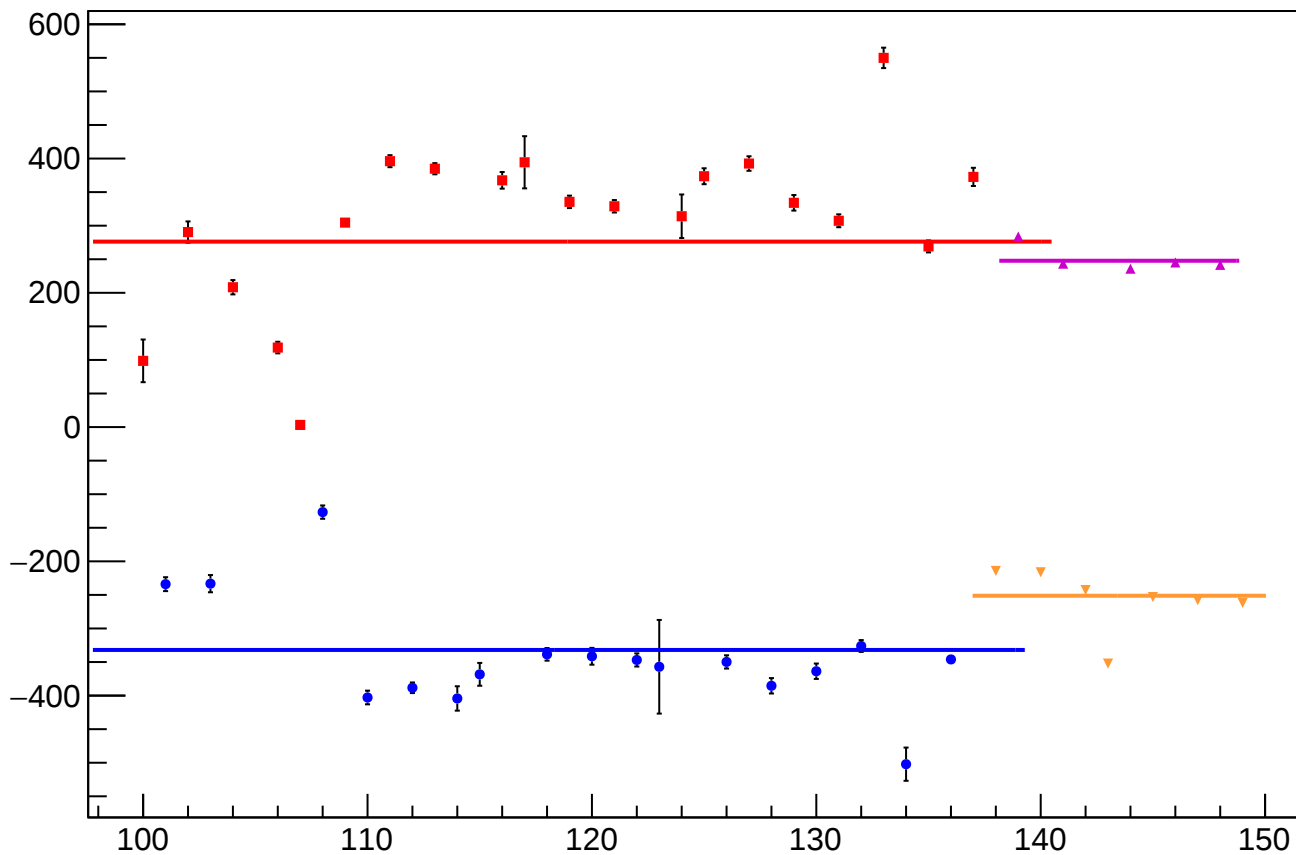
Left In: 4.529 $\pm$ 1.201 χ^2 /NDF:54.7/4

6.588 $\pm$ 0.872 χ^2 /NDF: 781.4/23

0.310 $\pm$ 0.611 χ^2 /NDF: 1515.3/48

-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 χ^2/NDF : 785.0/16

Left Out: -251.245+/-1.697 χ^2/NDF : 423.5/6

Right Out: 276.265+/-2.320 χ^2/NDF : 3371.5/19

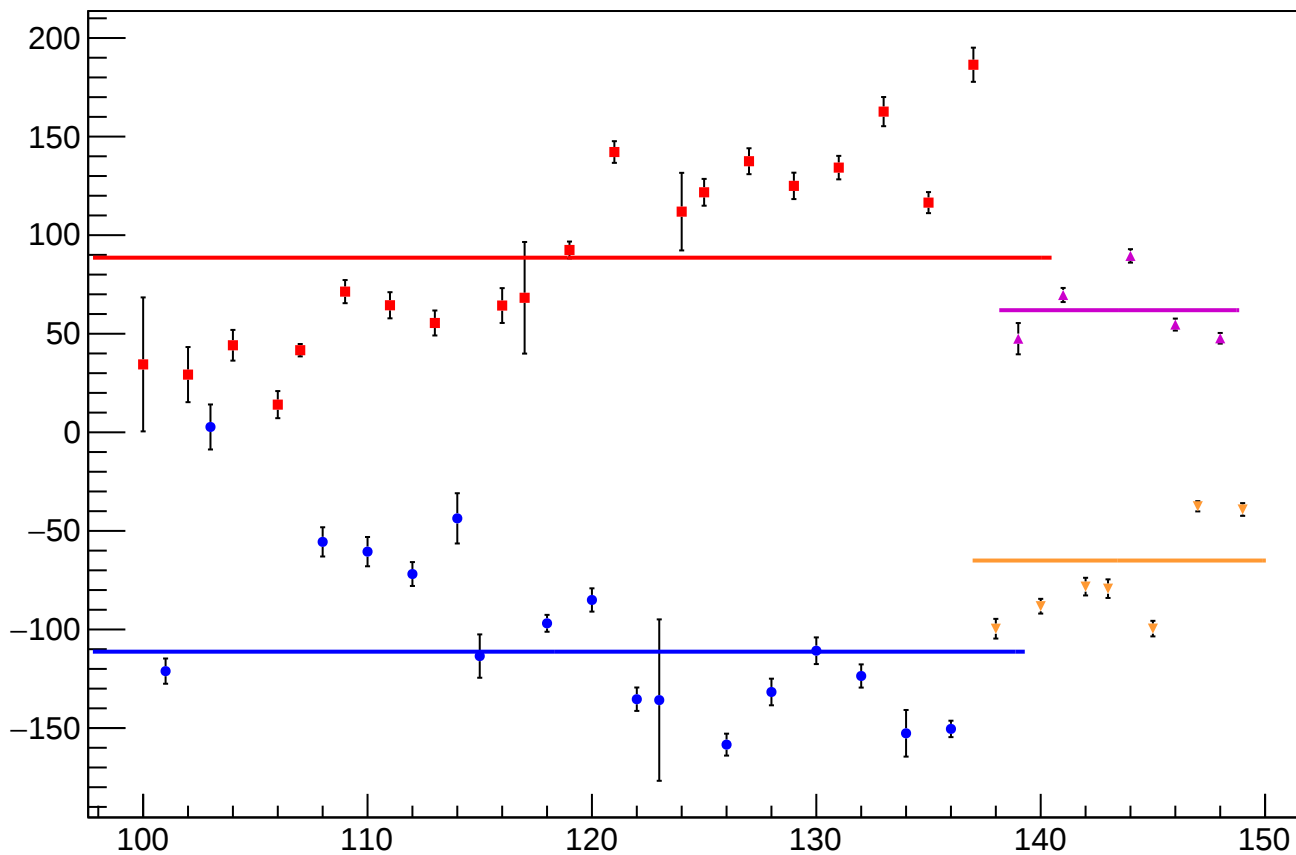
Left In: 247.767+/-1.881 χ^2/NDF : 64.2/4

-275.623+/-1.418 χ^2/NDF : 1892.1/23

-16.366+/-1.018 χ^2/NDF : 74384.6/48

259.069+/-1.461 χ^2/NDF : 3526.7/24

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257+/-1.597 χ^2/NDF : 509.6/16

Left Out: -65.028+/-1.394 χ^2/NDF : 357.3/6

Right Out: 88.581+/-1.431 χ^2/NDF : 971.5/19

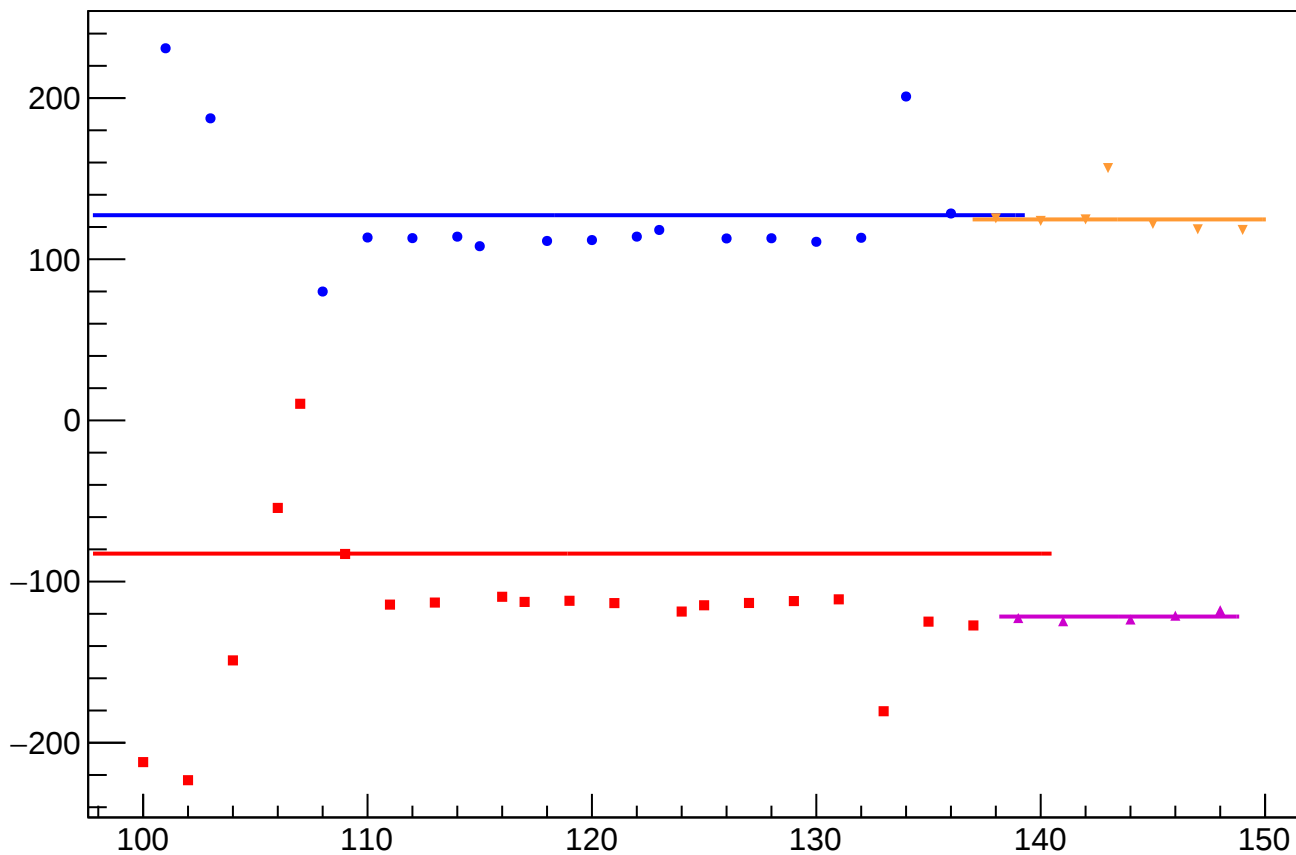
Left In: 61.943+/-1.534 χ^2/NDF : 106.7/4

-85.012+/-1.050 χ^2/NDF : 1342.5/23

-4.134+/-0.741 χ^2/NDF : 14404.4/48

76.184+/-1.046 χ^2/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: 124.708+/-0.072 χ^2/NDF : 19949.1/6

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

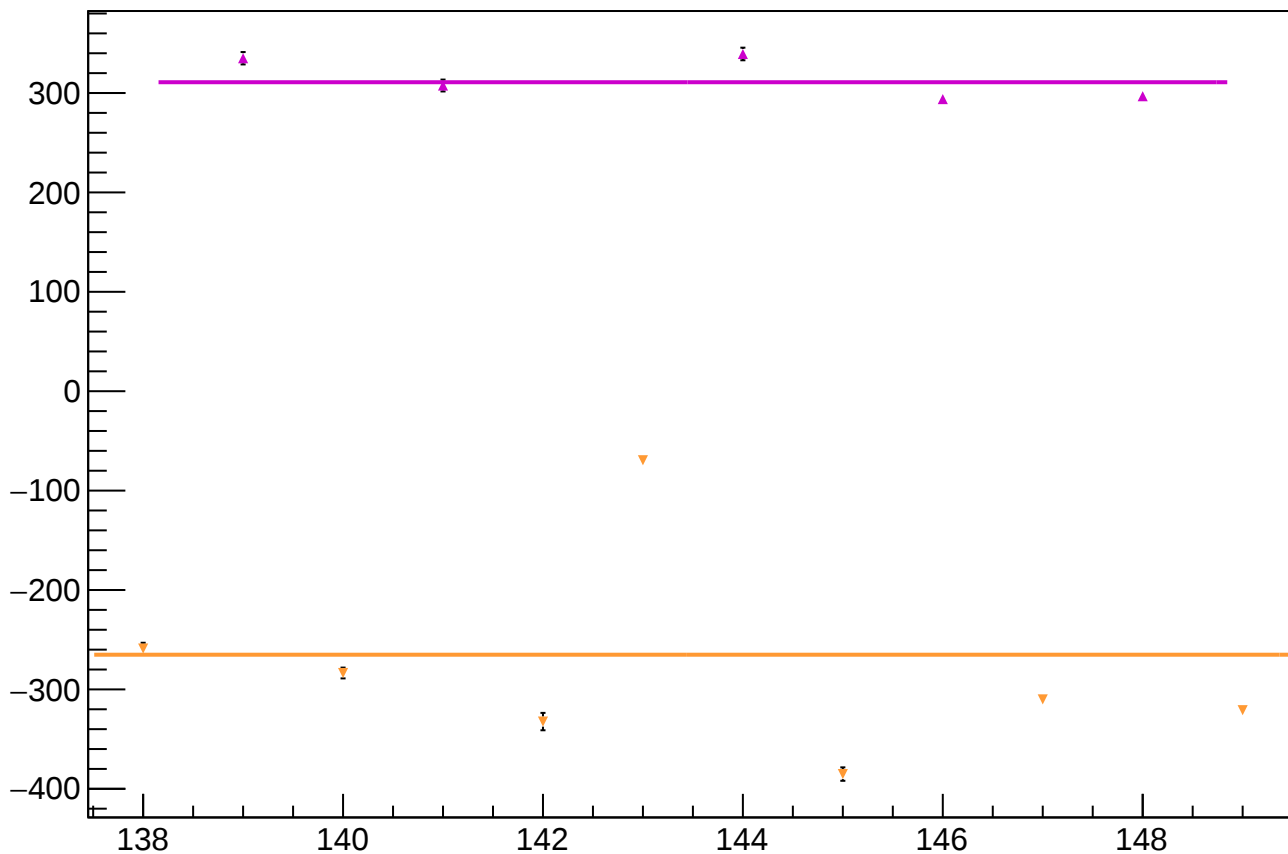
Left In: -121.705+/-0.079 χ^2/NDF : 993.3/4

125.735+/-0.056 χ^2/NDF : 208244.6/23

8.756+/-0.039 χ^2/NDF : 9555789.9/48

-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: -265.101+/-2.123 χ^2/NDF : 2174.9/6

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

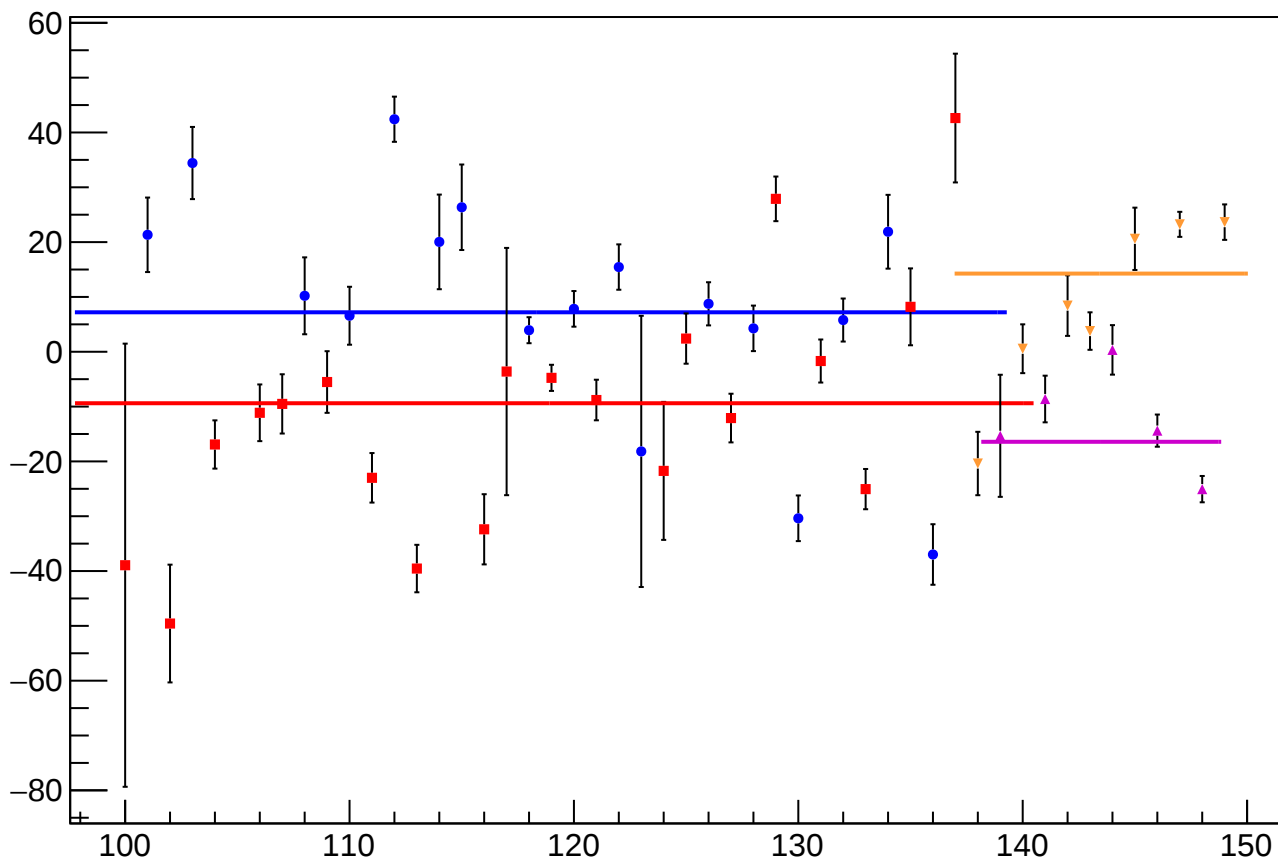
Left In: 310.854+/-2.513 χ^2/NDF : 54.7/4

-265.101+/-2.123 χ^2/NDF : 2174.9/6

-25.211+/-1.622 χ^2/NDF : 32879.4/11

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 $\chi^2/\text{NDF}: 260.9/16$

Left Out: 14.260 ± 1.391 $\chi^2/\text{NDF}: 81.0/6$

Right Out: -9.390 ± 1.070 $\chi^2/\text{NDF}: 232.2/19$

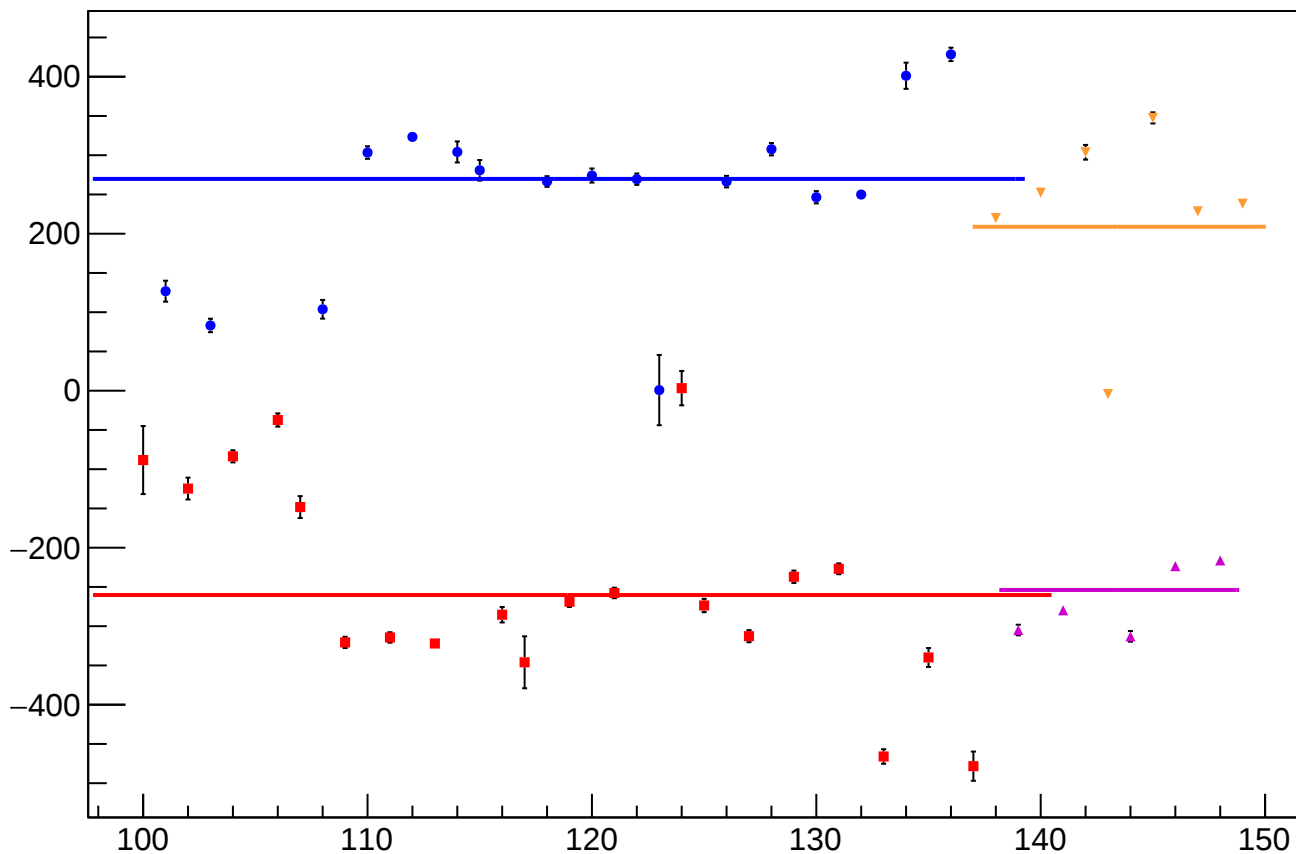
Left In: -16.423 ± 1.577 $\chi^2/\text{NDF}: 30.6/4$

9.925 ± 0.864 $\chi^2/\text{NDF}: 357.7/23$

-0.580 ± 0.618 $\chi^2/\text{NDF}: 936.9/48$

-11.606 ± 0.885 $\chi^2/\text{NDF}: 276.4/24$

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: 208.826 ± 2.148 χ^2/NDF : 2247.8/6

Right Out: -260.286 ± 1.973 χ^2/NDF : 2545.4/19

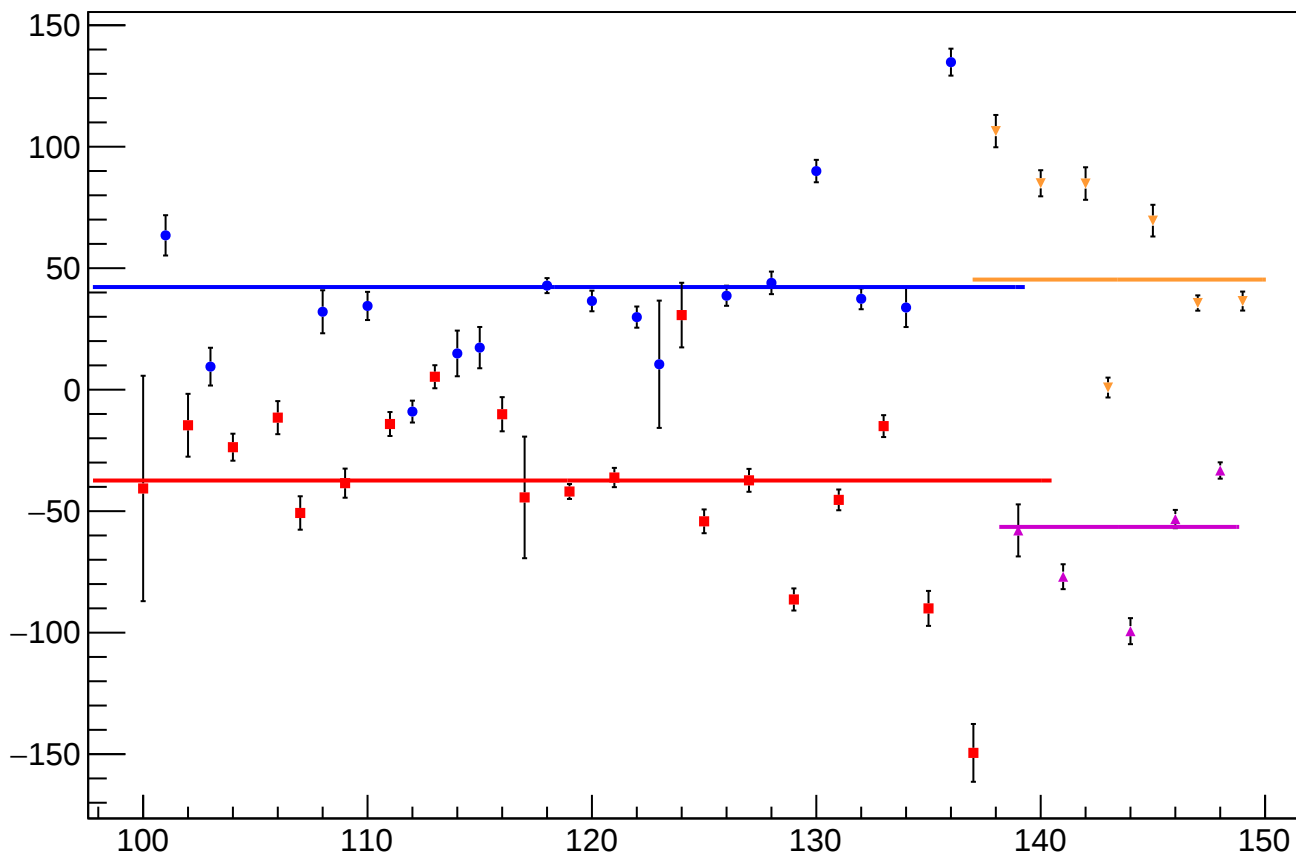
Left In: -253.841 ± 2.519 χ^2/NDF : 254.9/4

240.161 ± 1.498 χ^2/NDF : 4036.2/23

0.301 ± 1.078 χ^2/NDF : 60102.9/48

-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: 45.317 ± 1.743 $\chi^2/\text{NDF}: 320.2/6$

Right Out: -37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

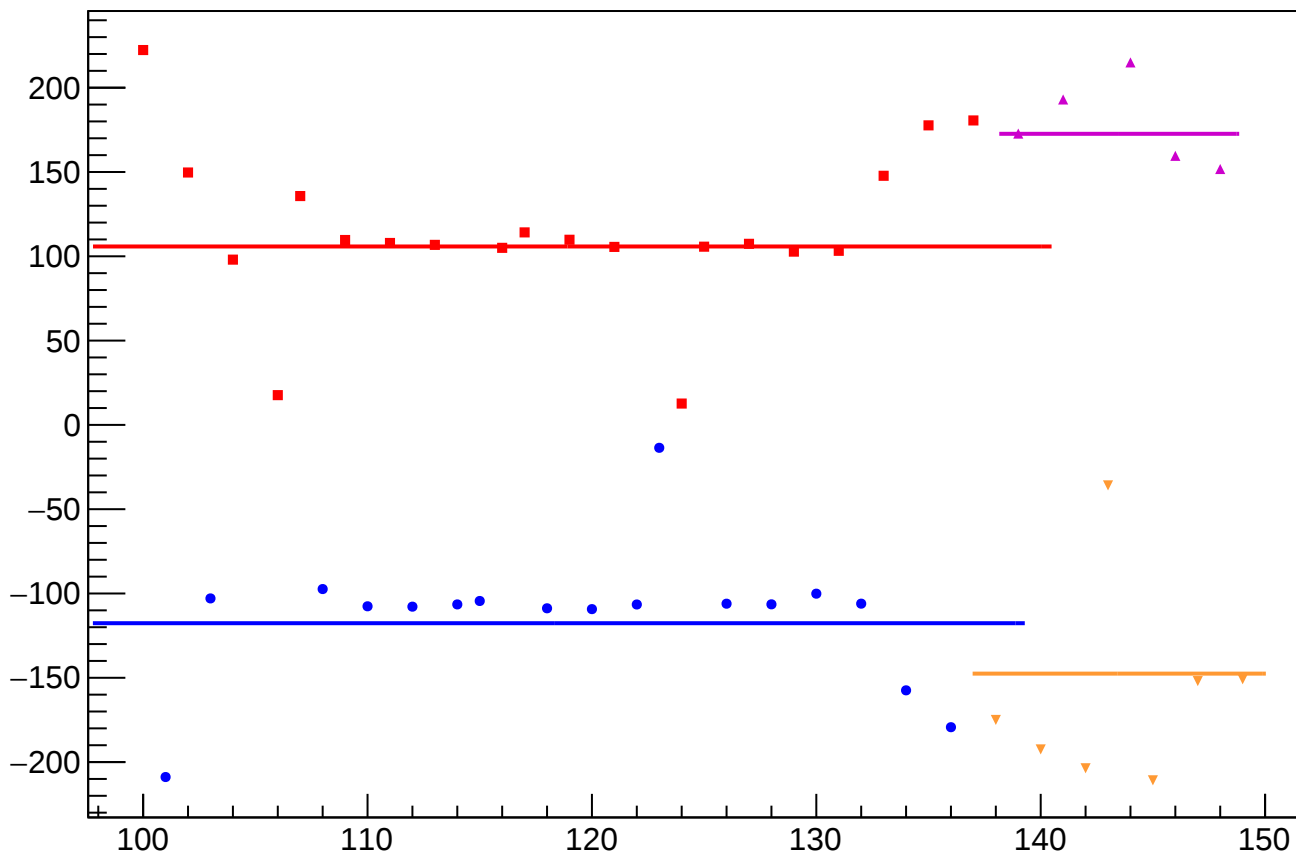
Left In: -56.478 ± 2.037 $\chi^2/\text{NDF}: 128.6/4$

43.312 ± 1.028 $\chi^2/\text{NDF}: 896.6/23$

1.496 ± 0.736 $\chi^2/\text{NDF}: 4955.2/48$

-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: -147.528+/-0.091 χ^2/NDF : 399295.1/6

Right Out: 105.826+/-0.073 χ^2/NDF : 323138.4/19

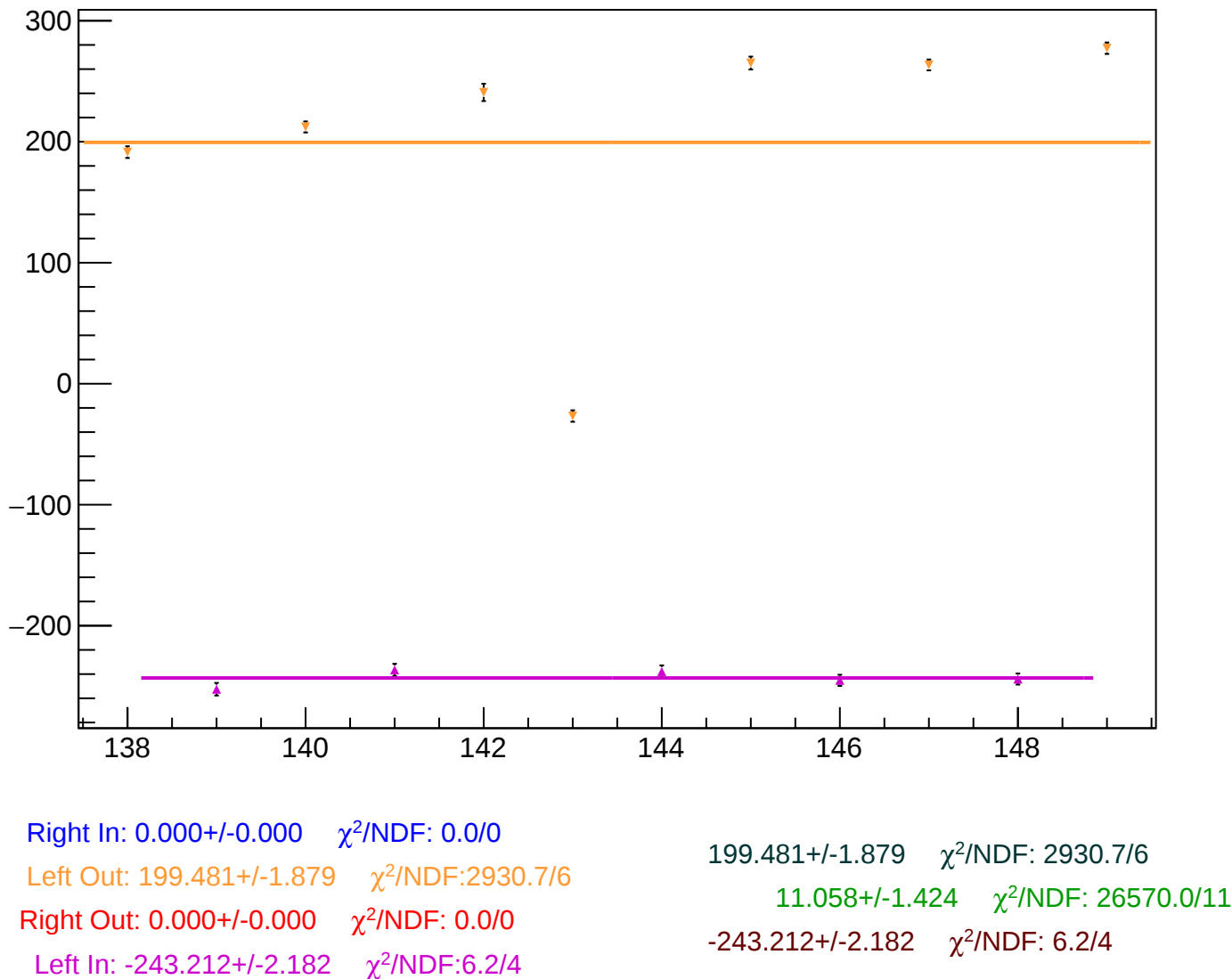
Left In: 172.653+/-0.106 χ^2/NDF : 41009.5/4

-130.343+/-0.060 χ^2/NDF : 602840.5/23

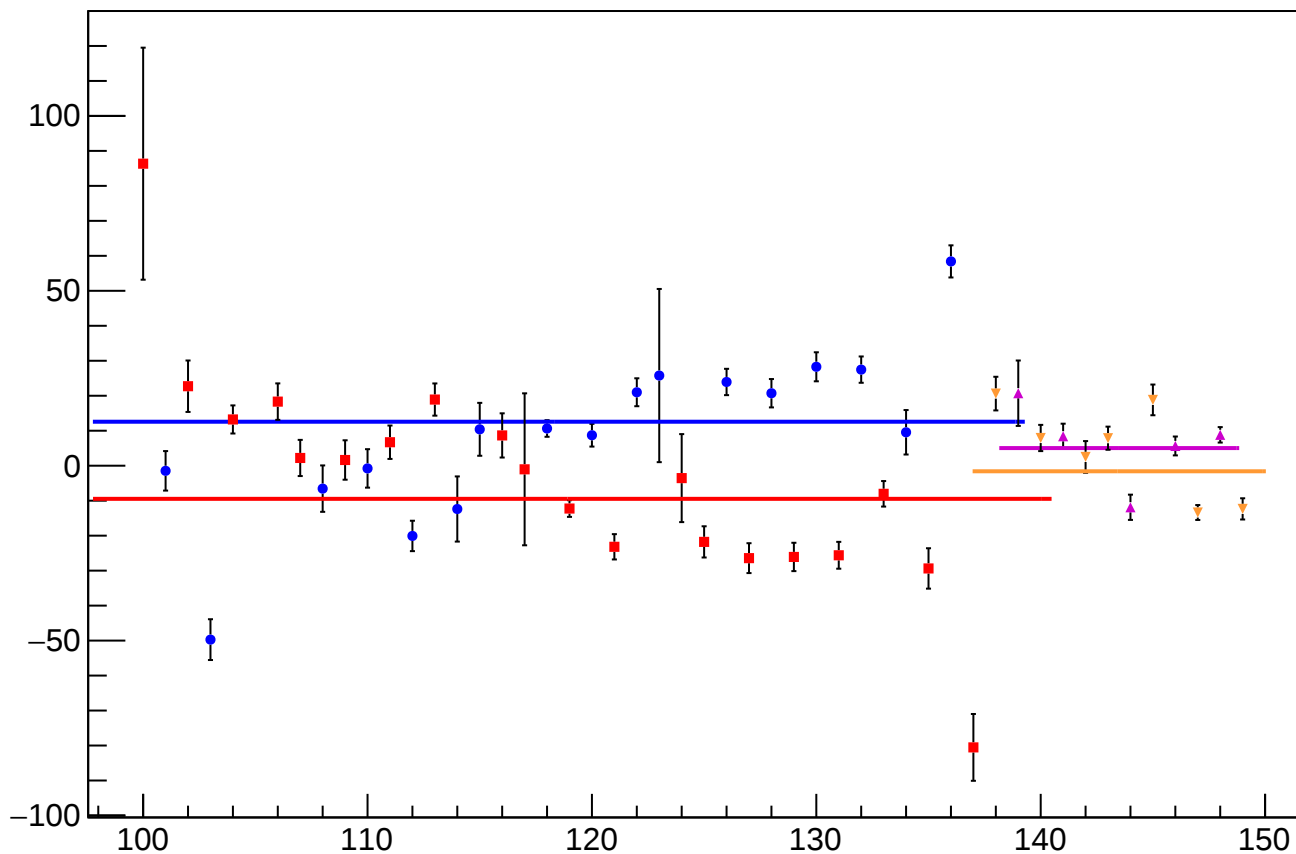
-2.316+/-0.042 χ^2/NDF : 10546638.7/48

127.318+/-0.060 χ^2/NDF : 635662.6/24

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 ± 1.074 $\chi^2/\text{NDF}: 348.0/16$

Left Out: -1.597 ± 1.255 $\chi^2/\text{NDF}: 101.5/6$

Right Out: -9.474 ± 1.046 $\chi^2/\text{NDF}: 296.0/19$

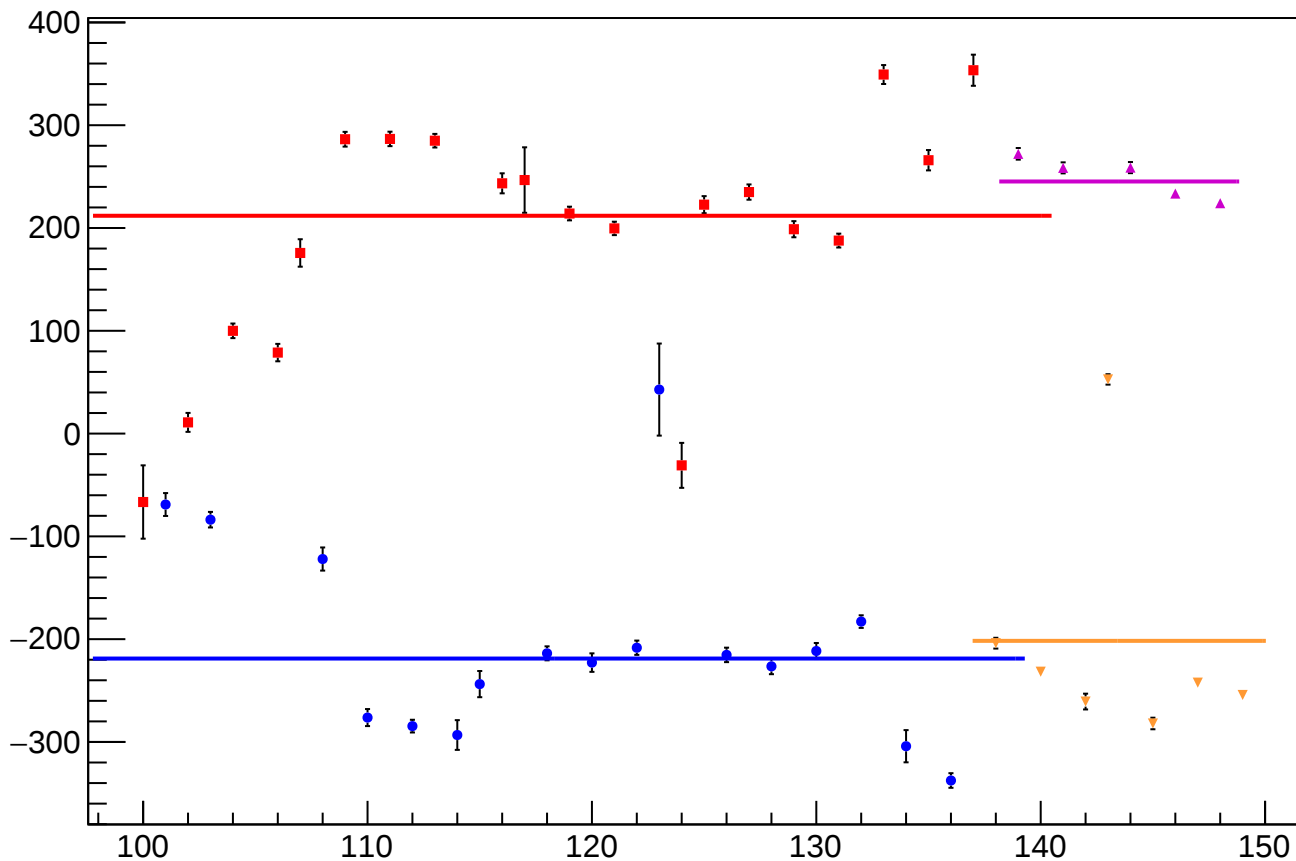
Left In: 5.039 ± 1.403 $\chi^2/\text{NDF}: 28.7/4$

6.581 ± 0.816 $\chi^2/\text{NDF}: 523.2/23$

1.296 ± 0.585 $\chi^2/\text{NDF}: 1002.9/48$

-4.288 ± 0.839 $\chi^2/\text{NDF}: 393.4/24$

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: -201.645+/-1.912 χ^2/NDF : 3047.5/6

Right Out: 211.907+/-1.920 χ^2/NDF : 1886.4/19

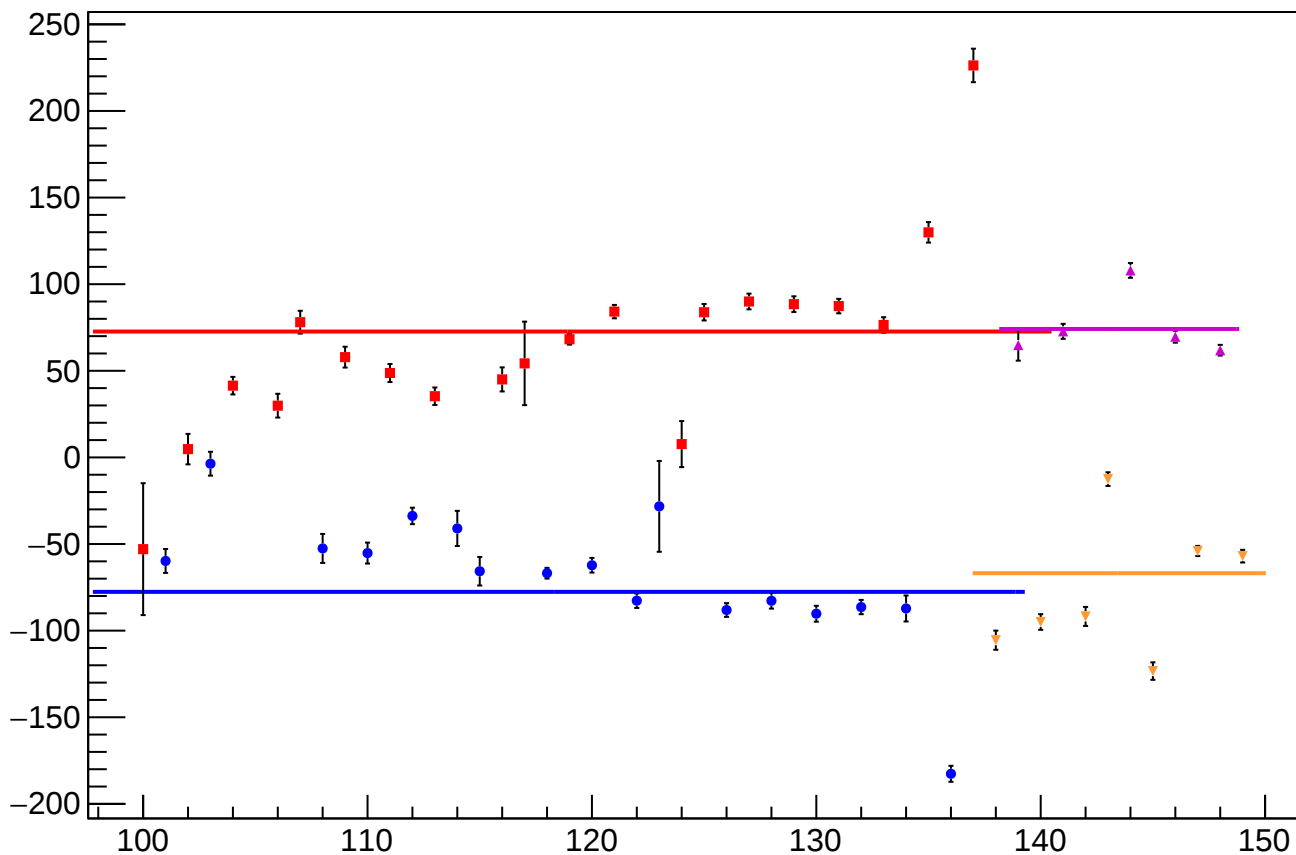
Left In: 245.256+/-2.203 χ^2/NDF : 66.4/4

-209.768+/-1.390 χ^2/NDF : 4232.3/23

-0.634+/-1.002 χ^2/NDF : 53550.8/48

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 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -66.829 ± 1.565 χ^2/NDF : 448.8/6

Right Out: 72.664 ± 1.205 χ^2/NDF : 672.0/19

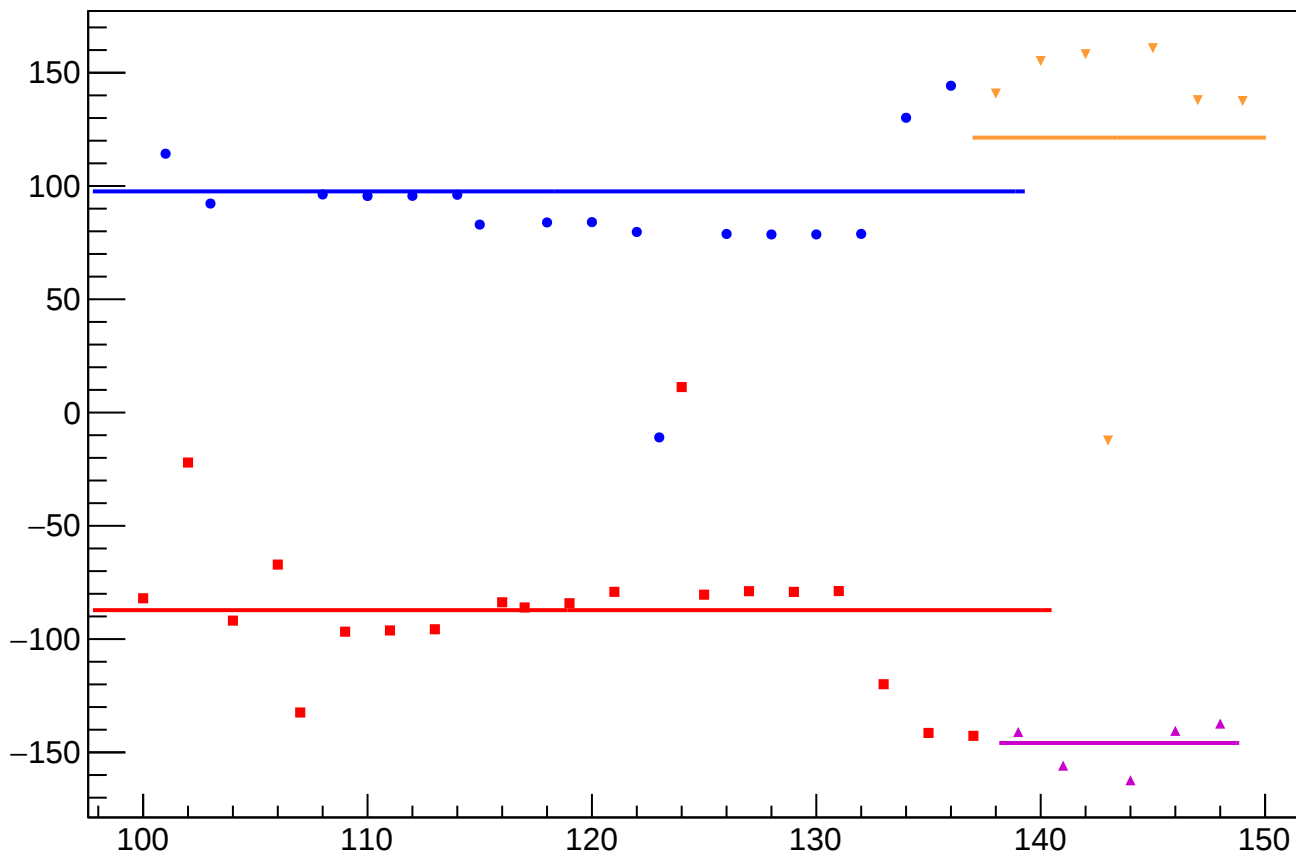
Left In: 74.147 ± 1.799 χ^2/NDF : 81.1/4

-73.468 ± 0.970 χ^2/NDF : 1293.9/23

-2.457 ± 0.697 χ^2/NDF : 13106.5/48

73.123 ± 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: 121.356+/-0.081 χ^2/NDF : 527224.9/6

Right Out: -87.224+/-0.068 χ^2/NDF : 220851.2/19

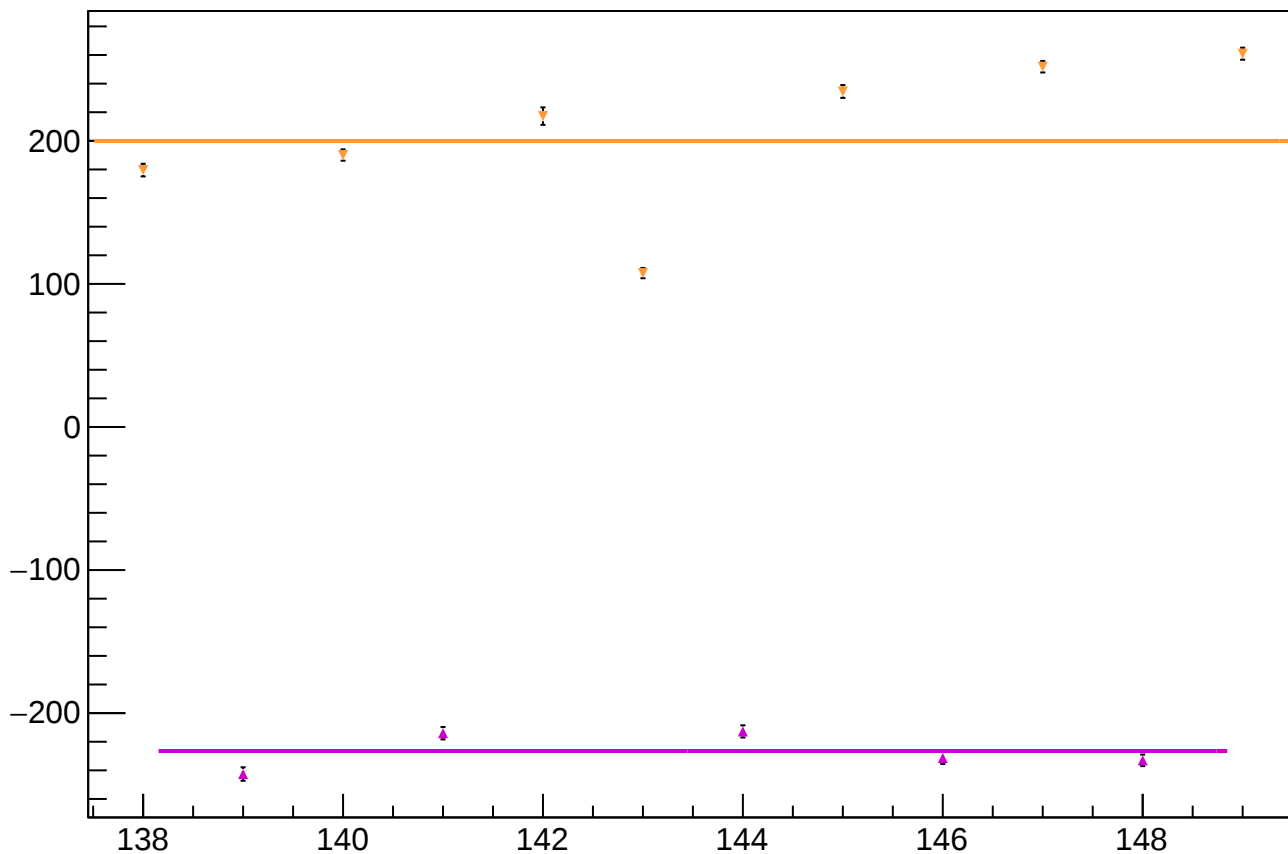
Left In: -145.854+/-0.092 χ^2/NDF : 10443.3/4

108.386+/-0.054 χ^2/NDF : 668303.7/23

0.735+/-0.039 χ^2/NDF : 9009128.1/48

-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: 199.934+/-1.605 χ^2/NDF : 1136.7/6

199.934+/-1.605 χ^2/NDF : 1136.7/6

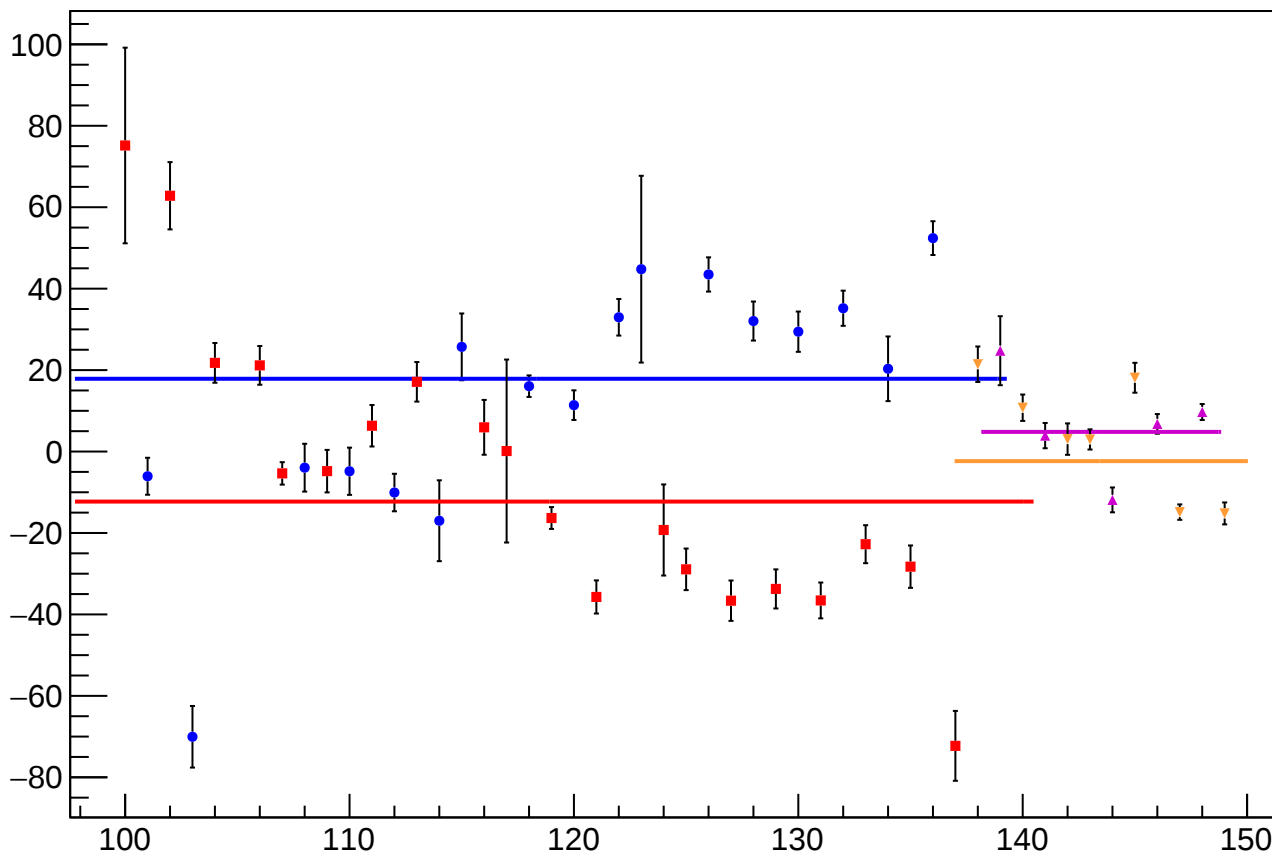
24.396+/-1.231 χ^2/NDF : 30239.1/11

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

-226.479+/-1.918 χ^2/NDF : 34.0/4

Left In: -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: -2.353+/-1.073 χ^2 /NDF:150.5/6

Right Out: -12.288+/-1.082 χ^2 /NDF: 444.4/19

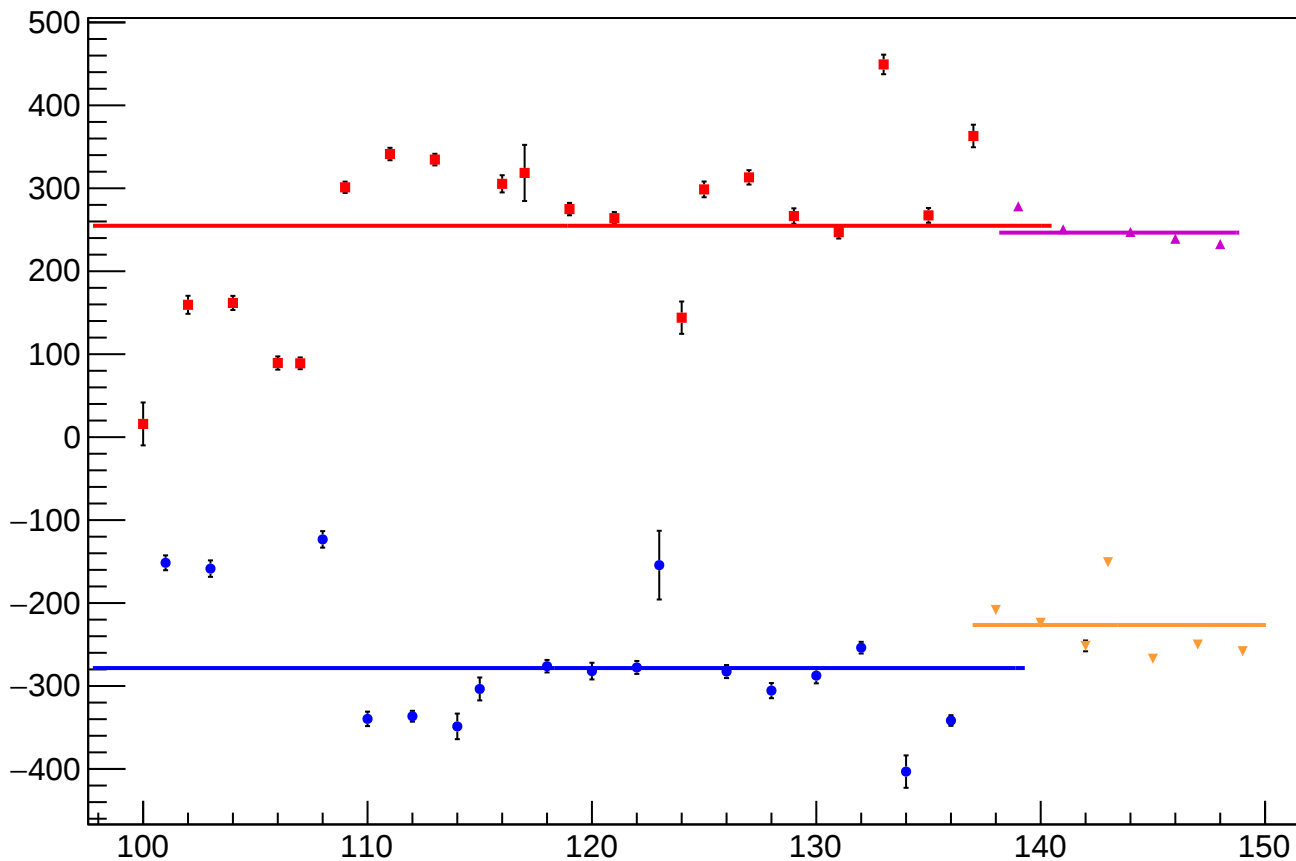
Left In: 4.826+/-1.233 χ^2 /NDF:42.5/4

6.918+/-0.789 χ^2 /NDF: 708.8/23

1.214+/-0.566 χ^2 /NDF: 1412.2/48

-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: -226.485±/1.639 χ^2/NDF : 598.2/6

Right Out: 254.830±/2.016 χ^2/NDF : 2041.0/19

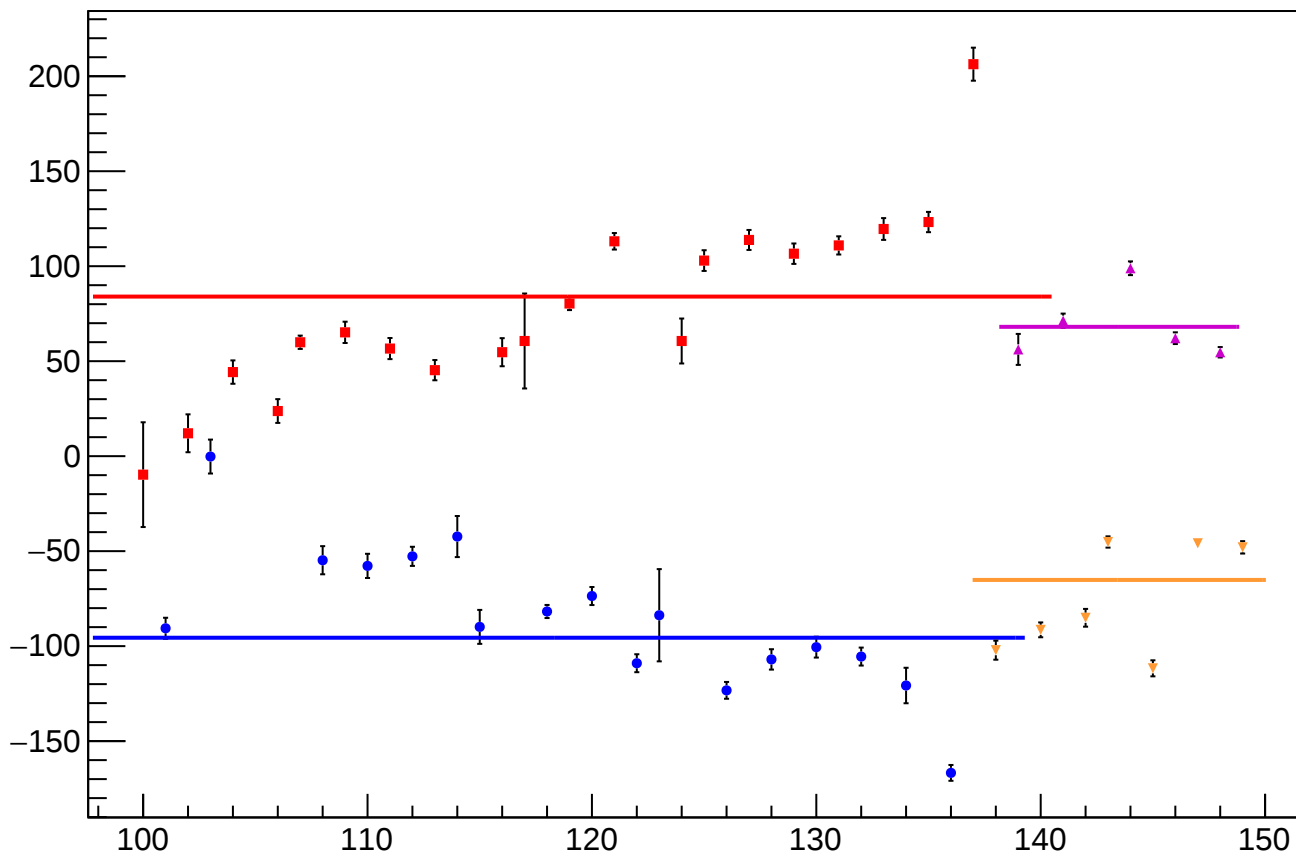
Left In: 246.555±/1.938 χ^2/NDF : 55.8/4

-245.175±/1.311 χ^2/NDF : 1869.8/23

-13.086±/0.956 χ^2/NDF : 70895.6/48

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 $\pm$ 1.340 χ^2/NDF : 671.2/16

Left Out: -65.153 $\pm$ 1.335 χ^2/NDF : 366.8/6

Right Out: 84.003 $\pm$ 1.255 χ^2/NDF : 784.1/19

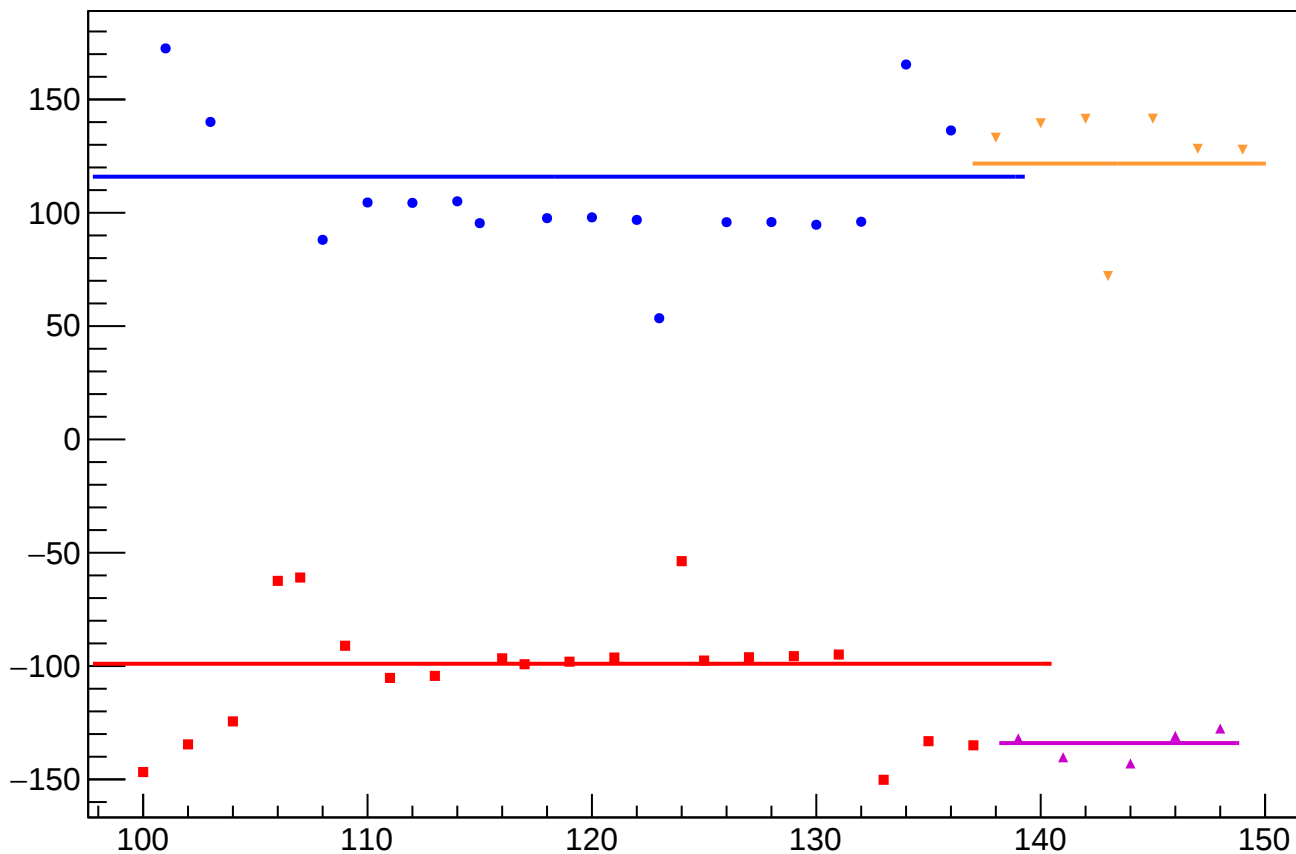
Left In: 68.080 $\pm$ 1.579 χ^2/NDF : 103.2/4

-80.297 $\pm$ 0.946 χ^2/NDF : 1296.7/23

-4.239 $\pm$ 0.681 χ^2/NDF : 15692.8/48

77.836 $\pm$ 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: 121.713 $\pm$ 0.069 χ^2 /NDF:137017.3/6

Right Out: -98.982 $\pm$ 0.068 χ^2 /NDF: 172974.2/19

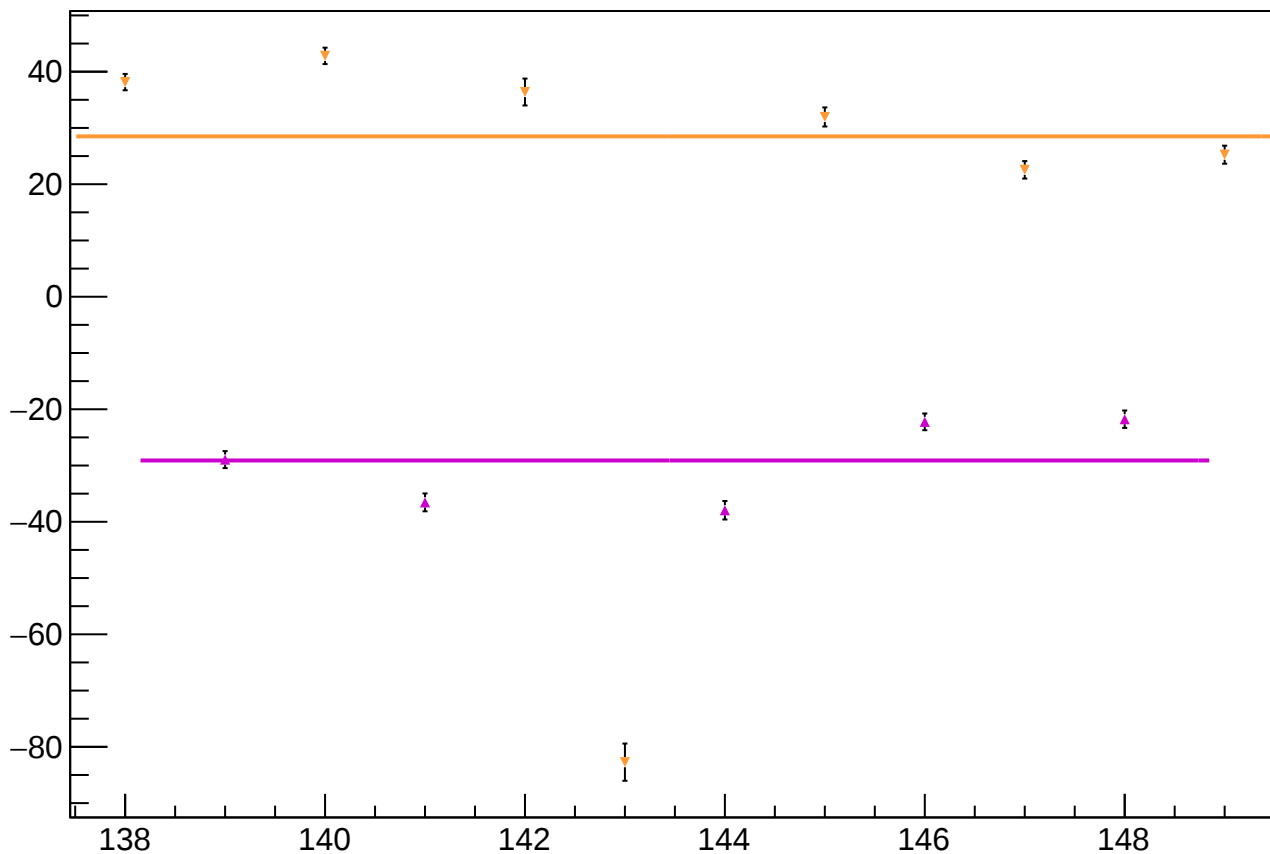
Left In: -133.981 $\pm$ 0.081 χ^2 /NDF:5129.1/4

119.182 $\pm$ 0.052 χ^2 /NDF: 245870.3/23

3.795 $\pm$ 0.037 χ^2 /NDF: 10514056.8/48

-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: 28.500+/-0.651 χ^2/NDF :1302.9/6

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

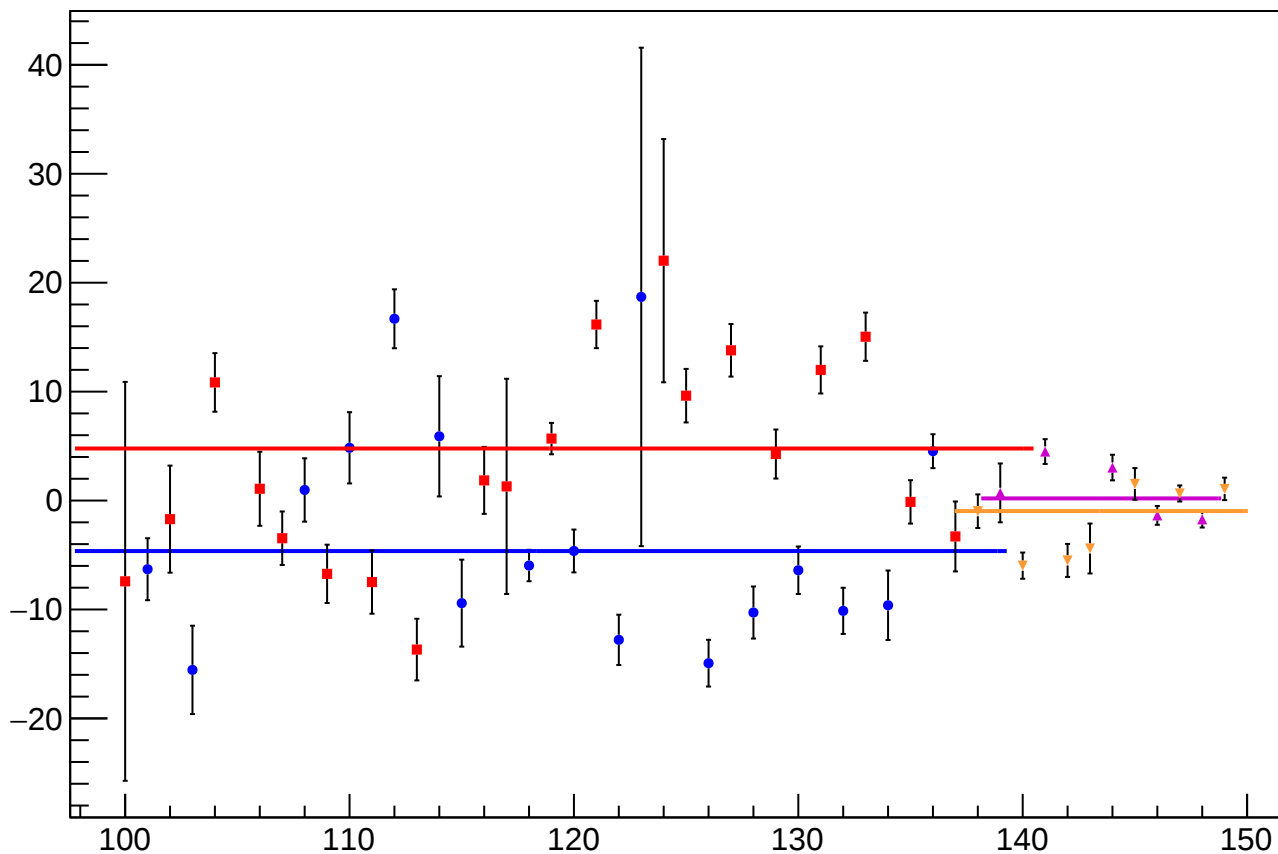
Left In: -29.101+/-0.694 χ^2/NDF :94.7/4

28.500+/-0.651 χ^2/NDF : 1302.9/6

1.555+/-0.475 χ^2/NDF : 5063.5/11

-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 $\chi^2/\text{NDF}: 174.4/16$

Left Out: -0.969 ± 0.448 $\chi^2/\text{NDF}: 40.2/6$

Right Out: 4.779 ± 0.583 $\chi^2/\text{NDF}: 192.7/19$

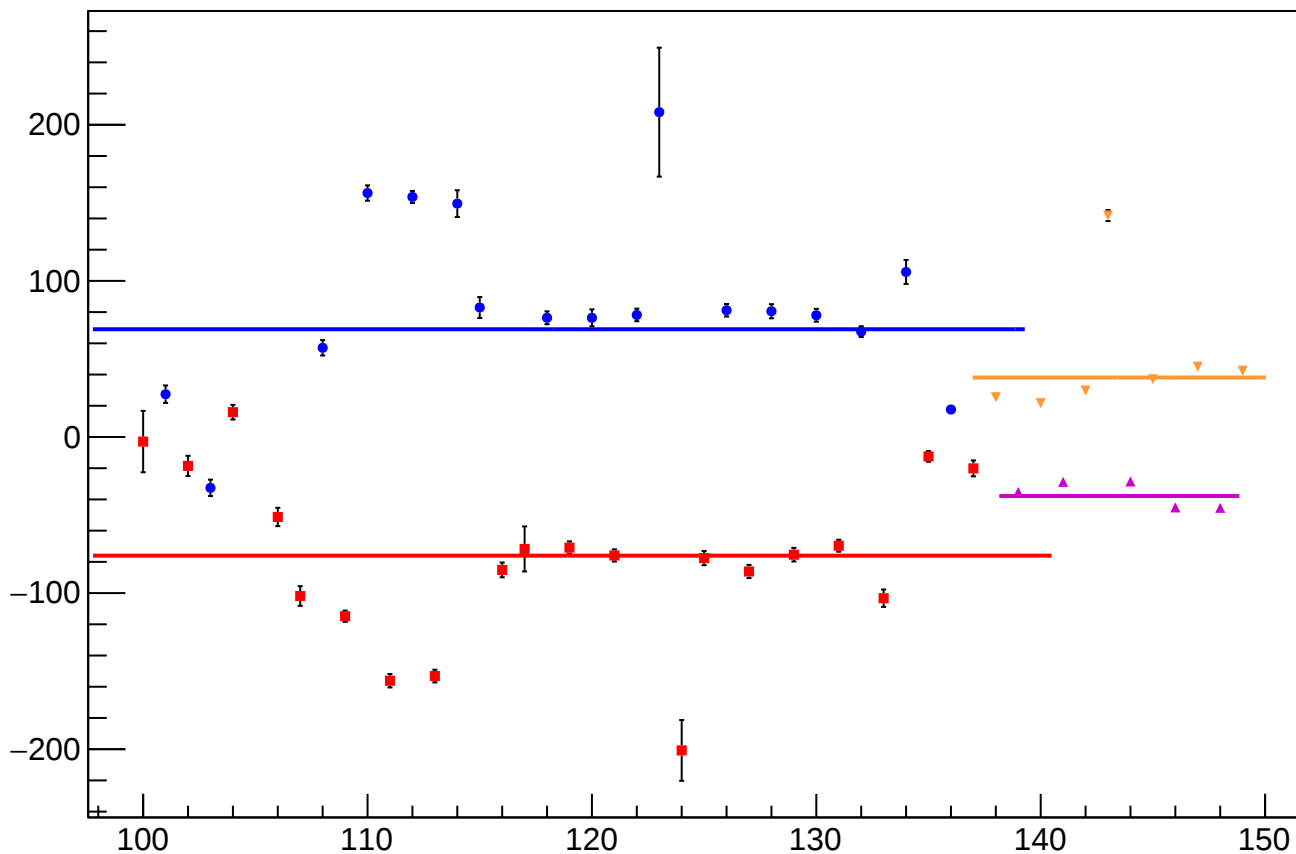
Left In: 0.196 ± 0.460 $\chi^2/\text{NDF}: 29.8/4$

-2.316 ± 0.356 $\chi^2/\text{NDF}: 239.2/23$

-0.212 ± 0.254 $\chi^2/\text{NDF}: 570.6/48$

1.953 ± 0.361 $\chi^2/\text{NDF}: 260.5/24$

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: 38.083+/-0.661 χ^2/NDF : 1081.2/6

Right Out: -76.017+/-1.067 χ^2/NDF : 1882.0/19

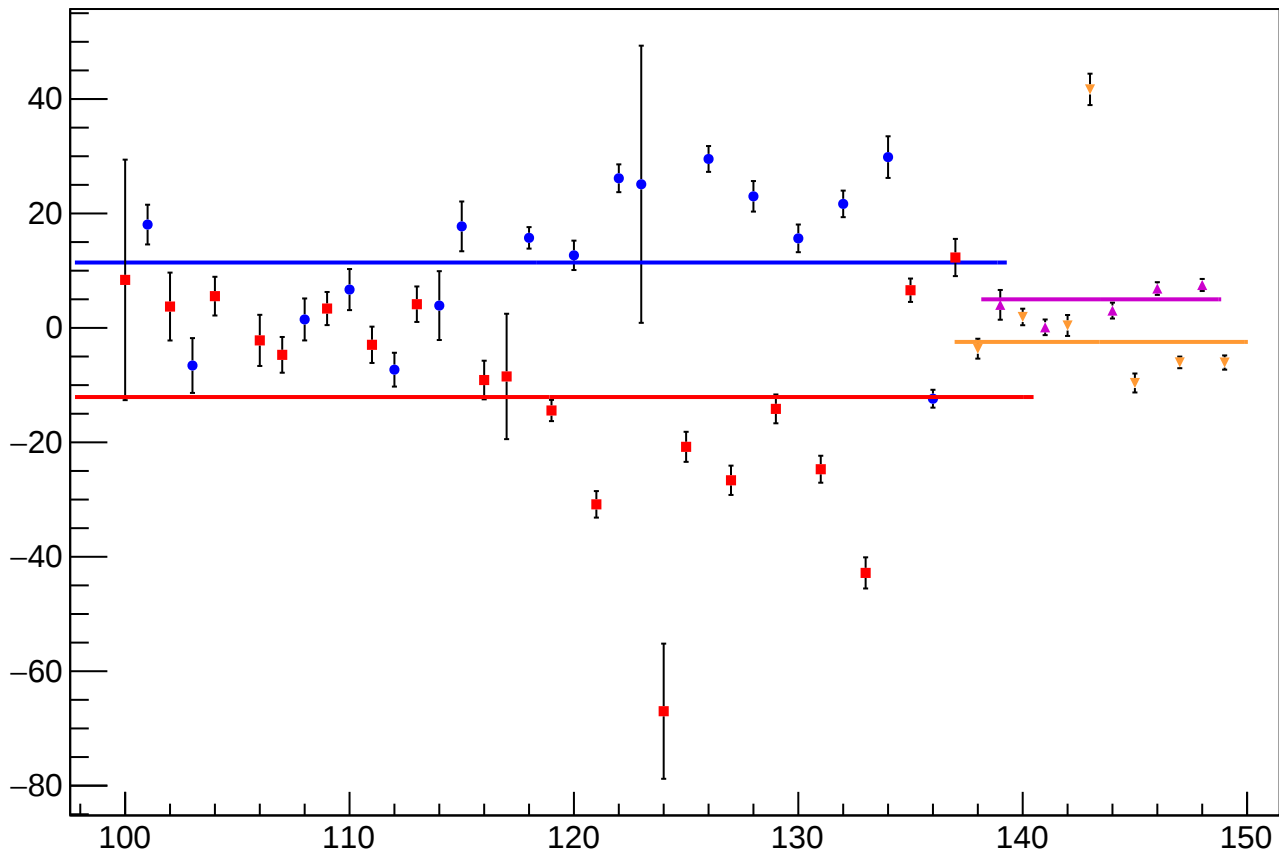
Left In: -37.807+/-0.704 χ^2/NDF : 112.8/4

46.472+/-0.564 χ^2/NDF : 3523.4/23

0.483+/-0.407 χ^2/NDF : 20261.6/48

-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: -2.448 $\pm$ 0.557 χ^2/NDF : 310.5/6

Right Out: -12.082 $\pm$ 0.663 χ^2/NDF : 539.2/19

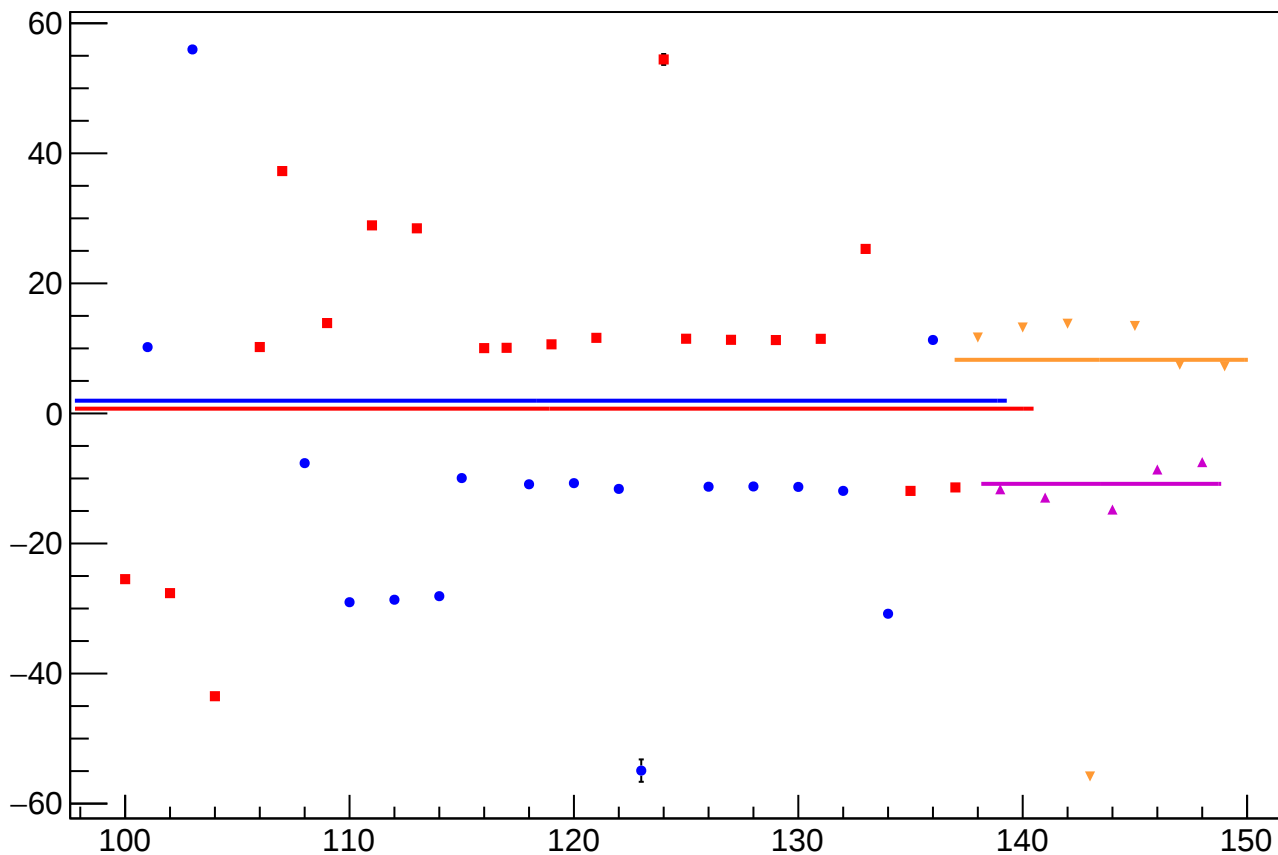
Left In: 4.994 $\pm$ 0.586 χ^2/NDF : 23.5/4

3.270 $\pm$ 0.427 χ^2/NDF : 1042.9/23

0.464 $\pm$ 0.306 χ^2/NDF : 2066.9/48

-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: 8.247 $\pm$ 0.028 χ^2 /NDF: 222242.9/6

Right Out: 0.733 $\pm$ 0.037 χ^2 /NDF: 361368.4/19

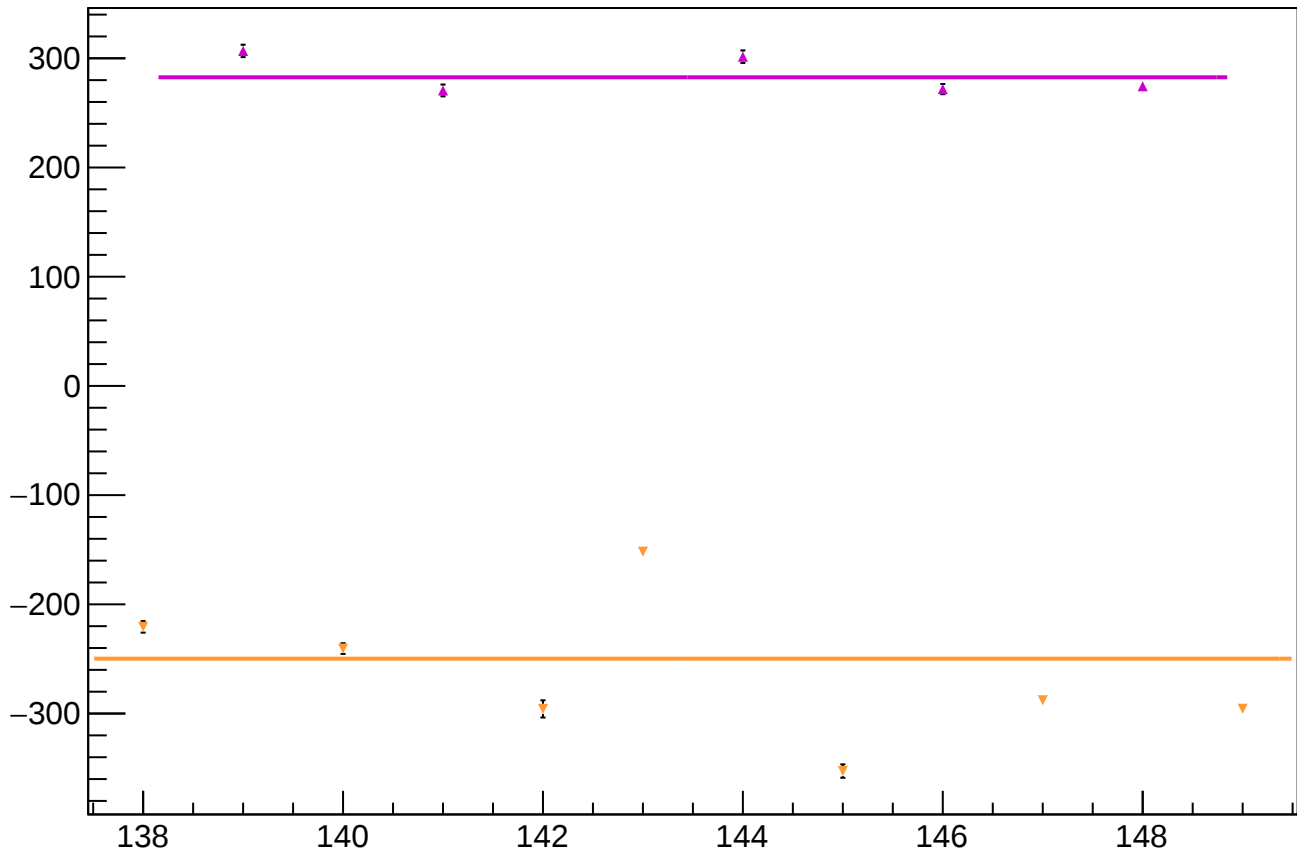
Left In: -10.827 $\pm$ 0.029 χ^2 /NDF: 7846.2/4

5.983 $\pm$ 0.022 χ^2 /NDF: 599029.0/23

-0.053 $\pm$ 0.016 χ^2 /NDF: 1179106.3/48

-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: -249.742+/-1.887 χ^2/NDF : 1124.2/6

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

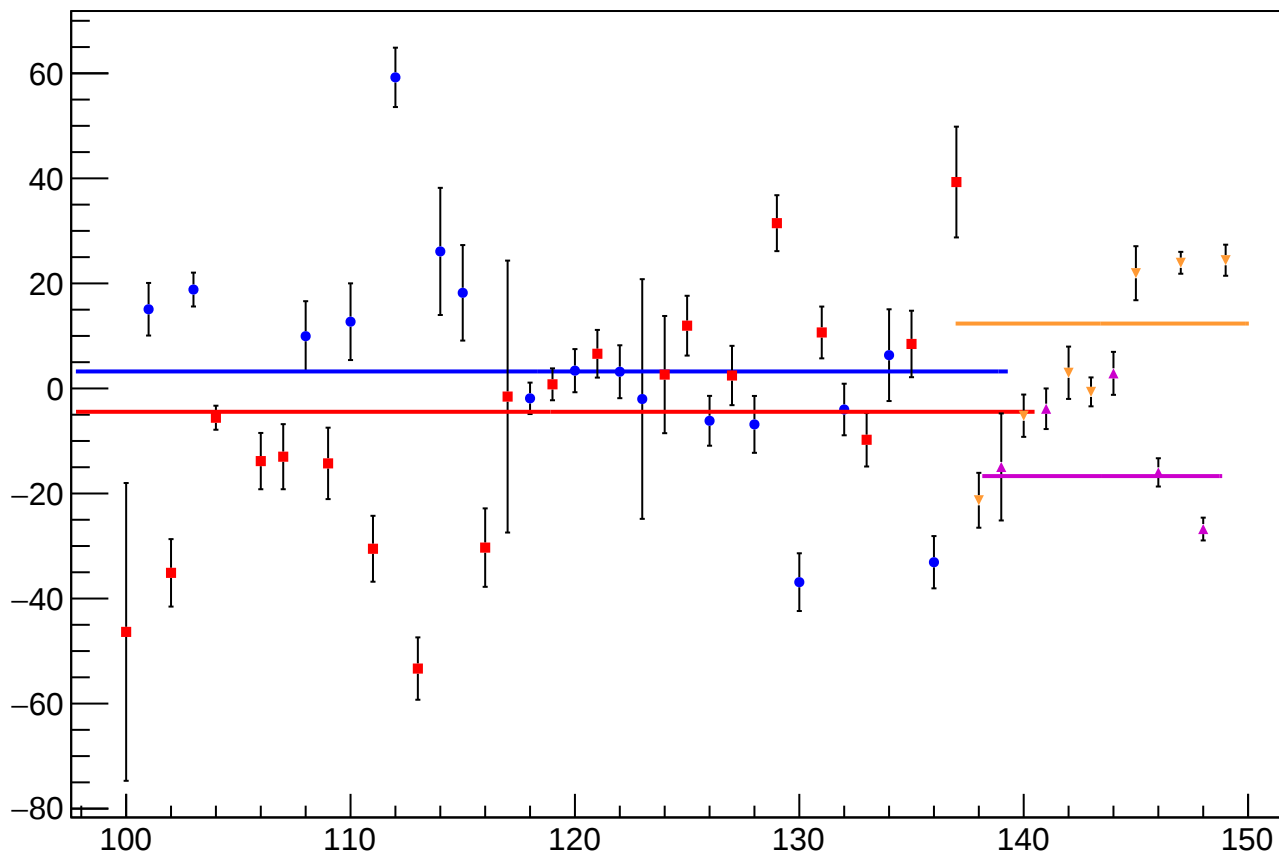
Left In: 282.605+/-2.289 χ^2/NDF : 42.5/4

-249.742+/-1.887 χ^2/NDF : 1124.2/6

-34.358+/-1.456 χ^2/NDF : 33364.5/11

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: 12.355 $\pm$ 1.237 χ^2 /NDF:137.2/6

Right Out: -4.444 $\pm$ 1.156 χ^2 /NDF: 225.8/19

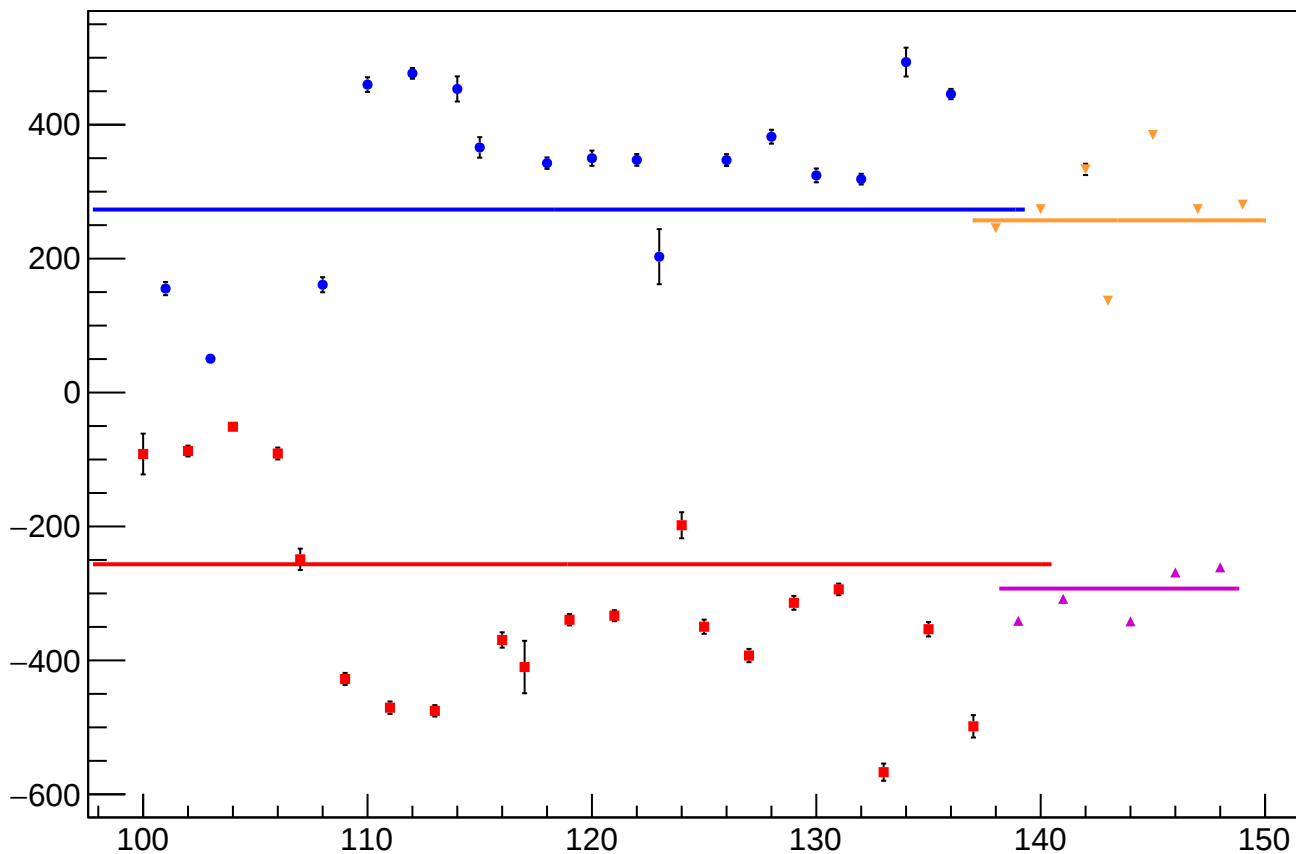
Left In: -16.685 $\pm$ 1.433 χ^2 /NDF:55.5/4

7.819 $\pm$ 0.877 χ^2 /NDF: 419.5/23

-0.507 $\pm$ 0.628 χ^2 /NDF: 929.9/48

-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 $\chi^2/\text{NDF}: 5101.5/16$

Left Out: 257.148 ± 1.914 $\chi^2/\text{NDF}: 1325.0/6$

Right Out: -256.418 ± 2.077 $\chi^2/\text{NDF}: 6453.9/19$

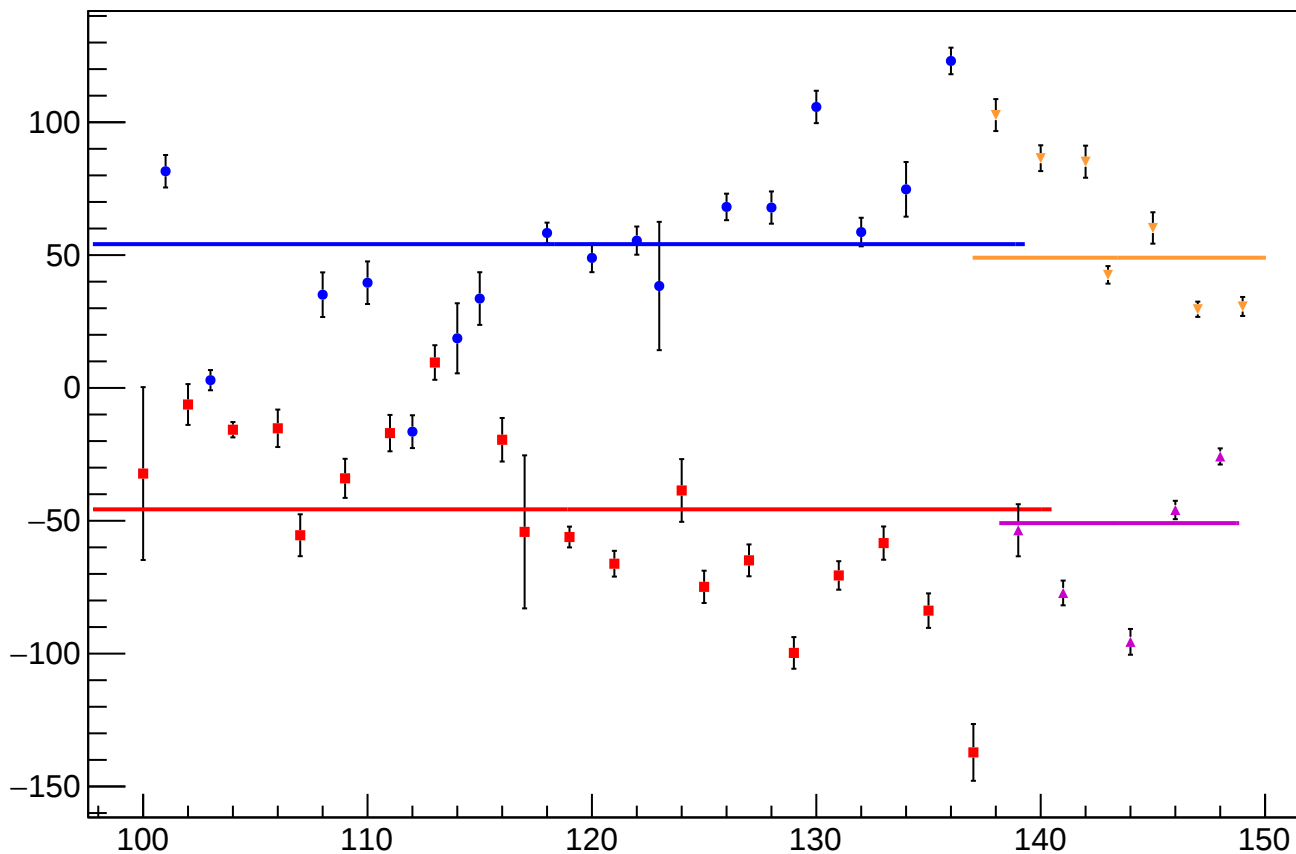
Left In: -292.716 ± 2.295 $\chi^2/\text{NDF}: 217.8/4$

264.081 ± 1.446 $\chi^2/\text{NDF}: 6457.0/23$

12.612 ± 1.054 $\chi^2/\text{NDF}: 77873.2/48$

-272.761 ± 1.540 $\chi^2/\text{NDF}: 6809.2/24$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119 $\pm$ 1.438 χ^2/NDF : 633.9/16

Left Out: 49.019 $\pm$ 1.548 χ^2/NDF : 254.2/6

Right Out: -45.694 $\pm$ 1.356 χ^2/NDF : 531.1/19

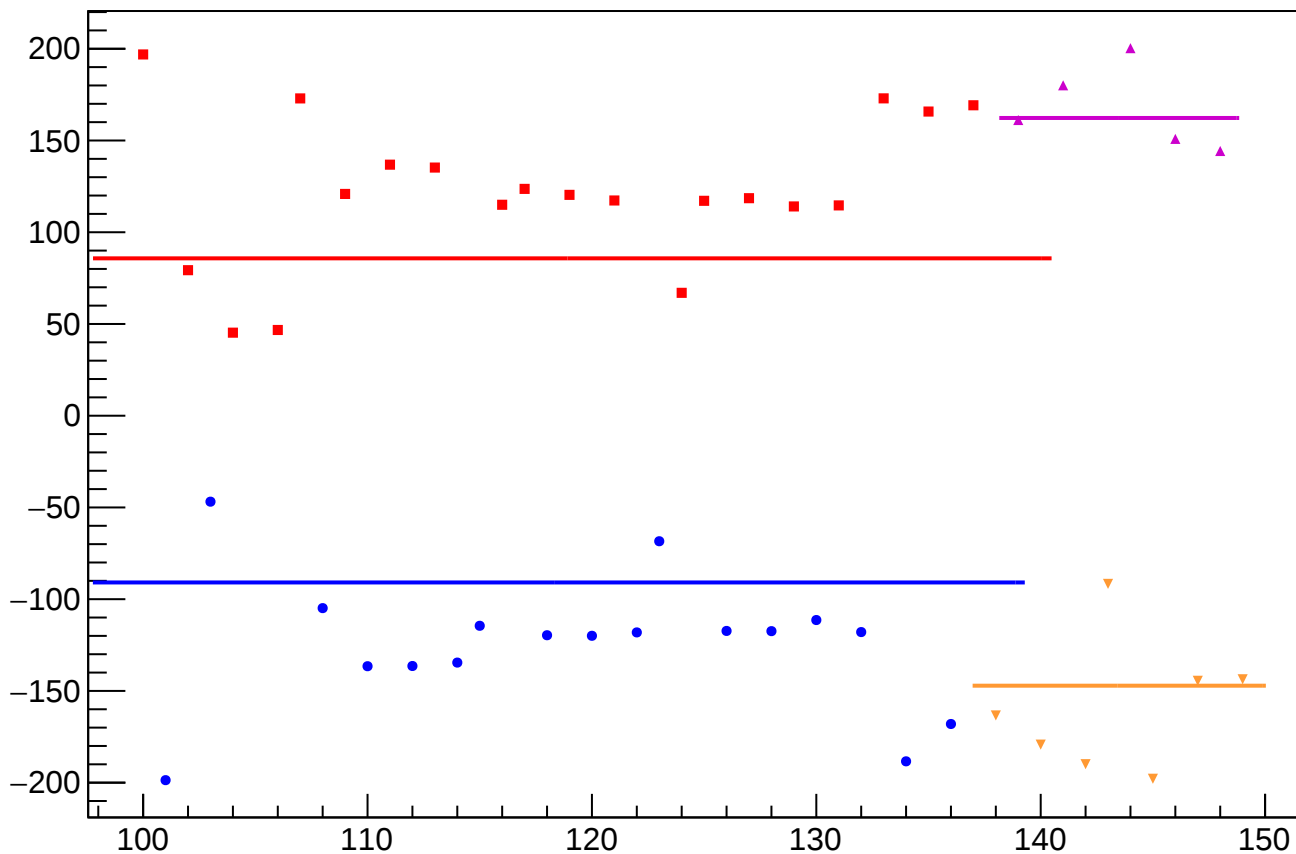
Left In: -50.879 $\pm$ 1.853 χ^2/NDF : 187.0/4

51.758 $\pm$ 1.054 χ^2/NDF : 894.0/23

3.994 $\pm$ 0.759 χ^2/NDF : 5888.1/48

-47.502 $\pm$ 1.094 χ^2/NDF : 723.2/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 ± 0.068 $\chi^2/\text{NDF}: 533423.8/16$

Left Out: -147.146 ± 0.081 $\chi^2/\text{NDF}: 186180.3/6$

Right Out: 85.772 ± 0.065 $\chi^2/\text{NDF}: 494629.5/19$

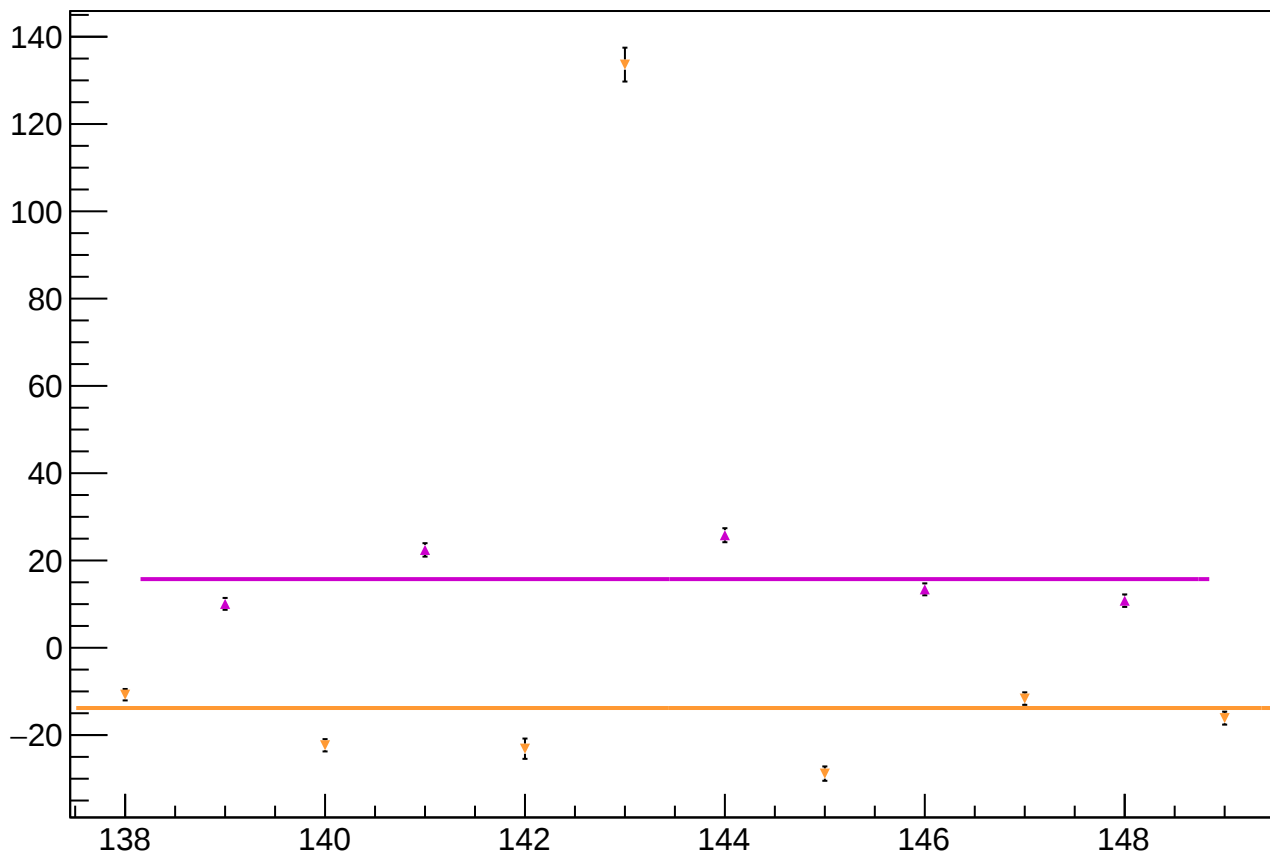
Left In: 162.282 ± 0.096 $\chi^2/\text{NDF}: 38859.9/4$

-113.972 ± 0.052 $\chi^2/\text{NDF}: 1002629.3/23$

-6.015 ± 0.037 $\chi^2/\text{NDF}: 10894332.8/48$

109.758 ± 0.054 $\chi^2/\text{NDF}: 967555.7/24$

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: -13.800+/-0.615 χ^2/NDF : 1588.7/6

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

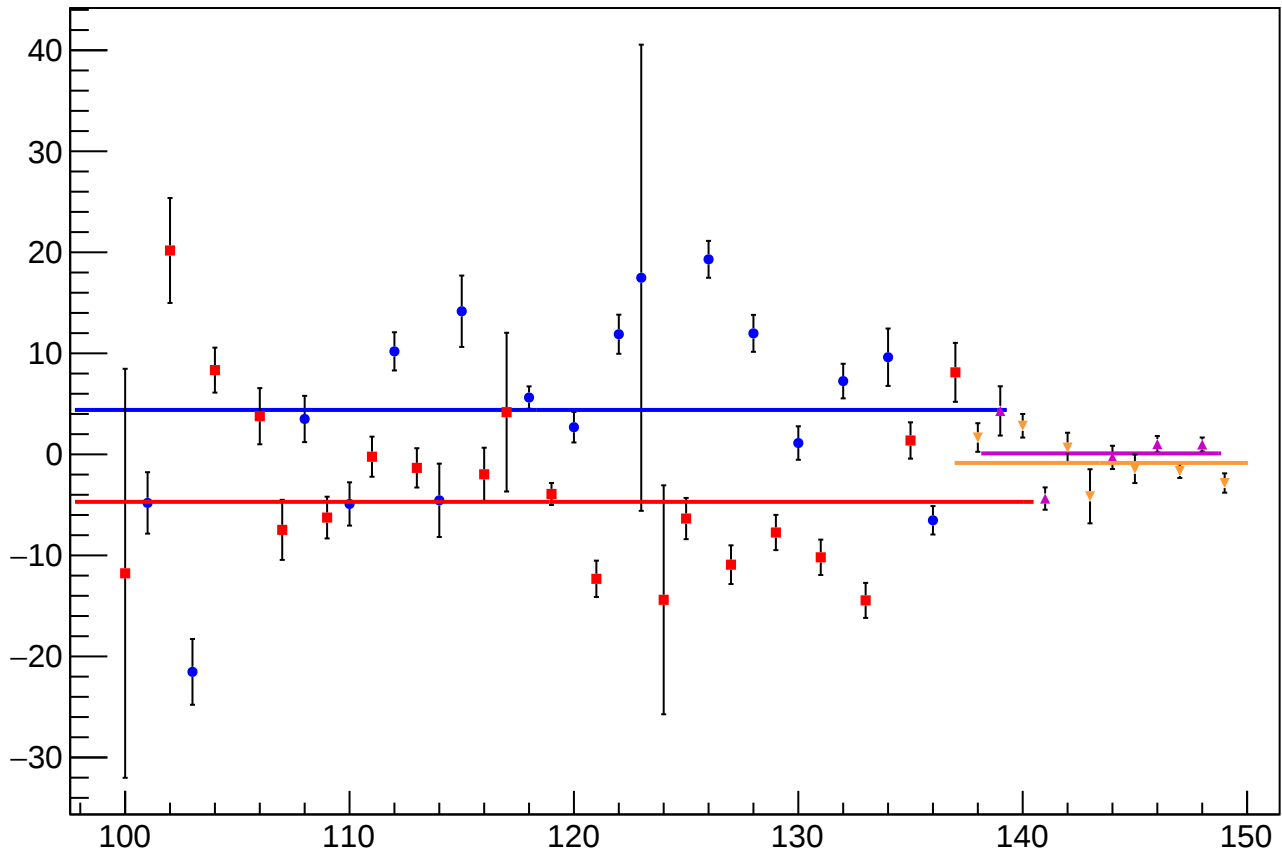
Left In: 15.731+/-0.650 χ^2/NDF : 90.2/4

-13.800+/-0.615 χ^2/NDF : 1588.7/6

0.162+/-0.447 χ^2/NDF : 2767.9/11

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: -0.846 ± 0.424 $\chi^2/\text{NDF}: 21.5/6$

Right Out: -4.700 ± 0.472 $\chi^2/\text{NDF}: 184.2/19$

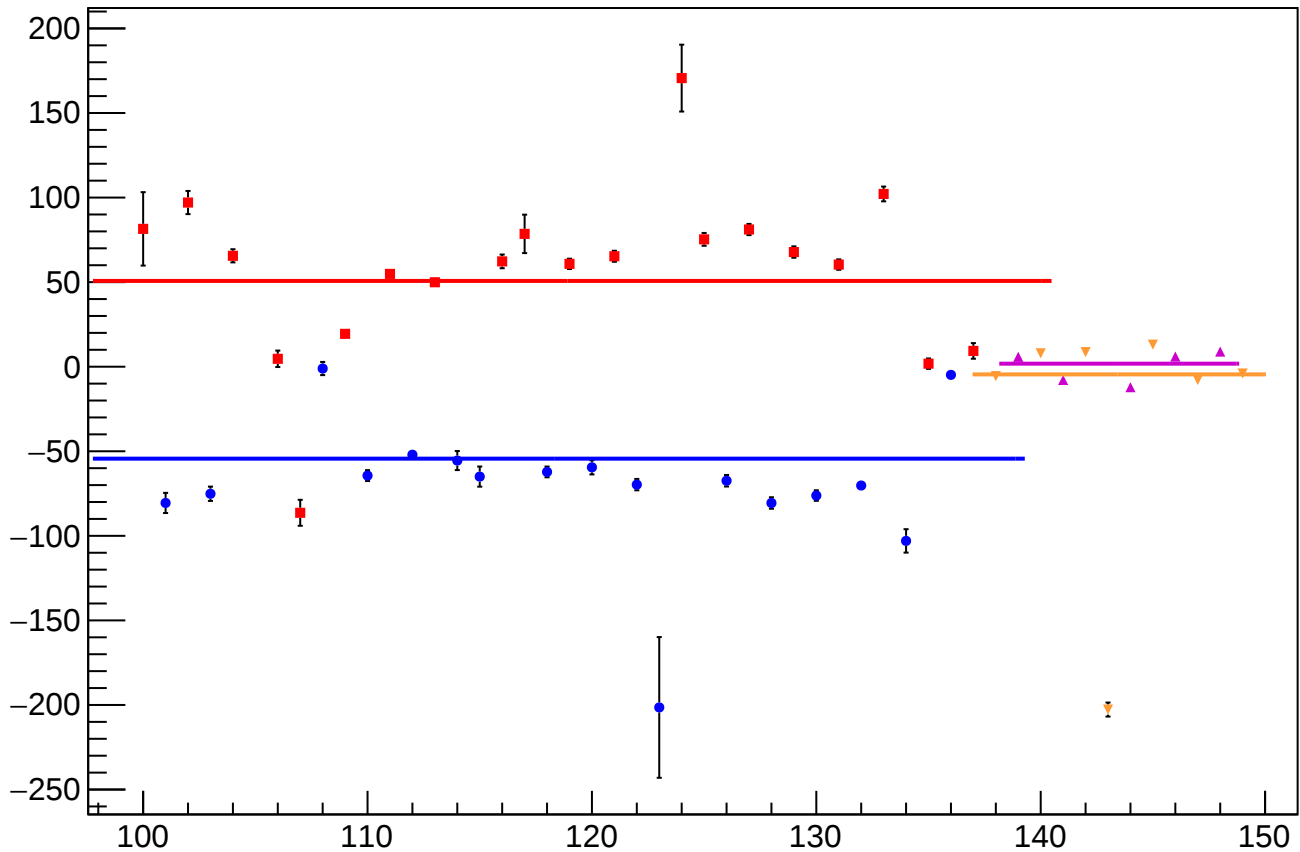
Left In: 0.096 ± 0.431 $\chi^2/\text{NDF}: 22.4/4$

1.499 ± 0.315 $\chi^2/\text{NDF}: 376.9/23$

-0.273 ± 0.224 $\chi^2/\text{NDF}: 703.7/48$

-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: -4.545+/-0.624 χ^2/NDF : 2496.9/6

Right Out: 50.712+/-0.855 χ^2/NDF : 1327.3/19

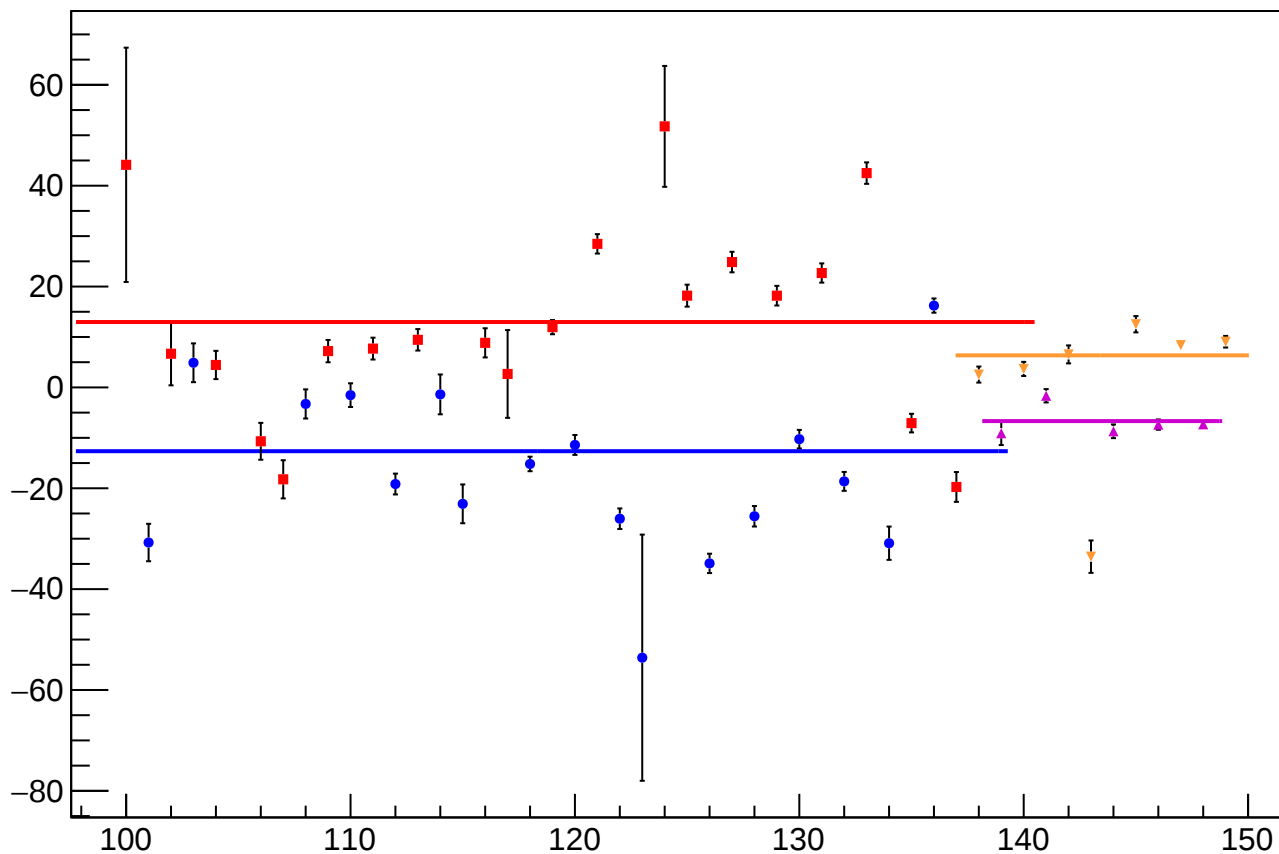
Left In: 1.794+/-0.658 χ^2/NDF : 146.4/4

-21.510+/-0.507 χ^2/NDF : 5681.7/23

-1.360+/-0.363 χ^2/NDF : 12468.5/48

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: 6.358 ± 0.528 χ^2/NDF : 188.7/6

Right Out: 12.965 ± 0.536 χ^2/NDF : 722.8/19

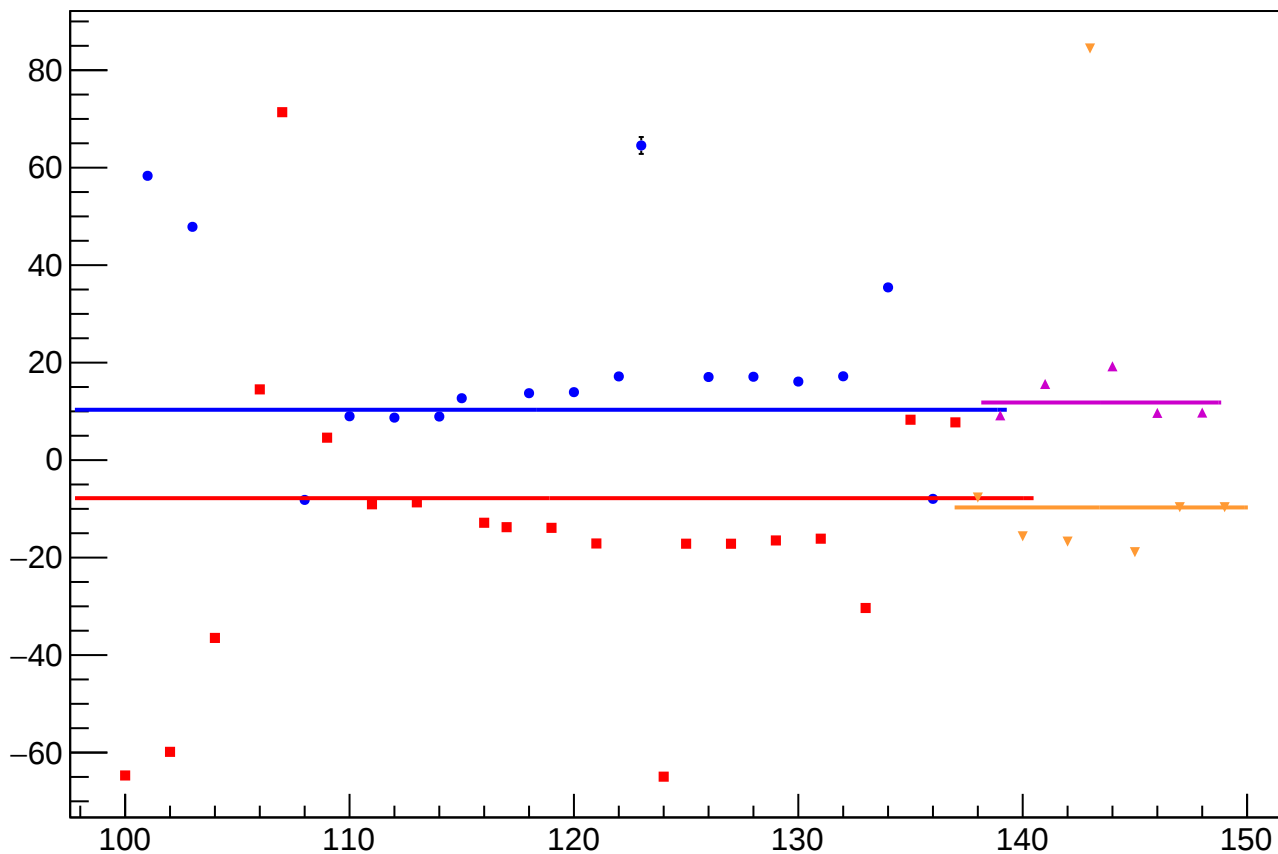
Left In: -6.678 ± 0.551 χ^2/NDF : 18.5/4

-2.998 ± 0.376 χ^2/NDF : 1614.9/23

0.133 ± 0.269 χ^2/NDF : 3150.6/48

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: -9.709+/-0.026 χ^2/NDF : 354315.9/6

Right Out: -7.808+/-0.031 χ^2/NDF : 544249.7/19

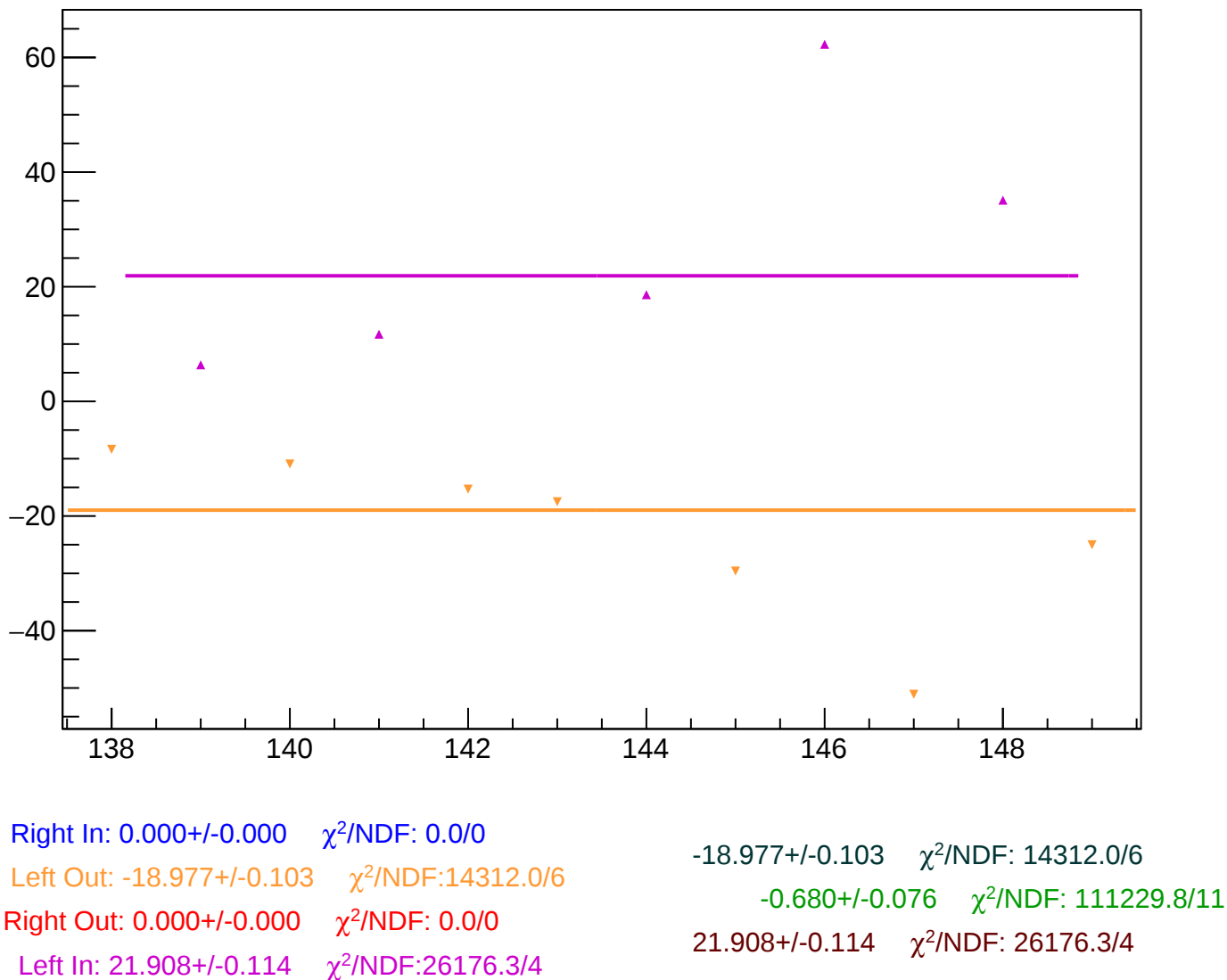
Left In: 11.819+/-0.027 χ^2/NDF : 18206.9/4

-1.218+/-0.020 χ^2/NDF : 981100.3/23

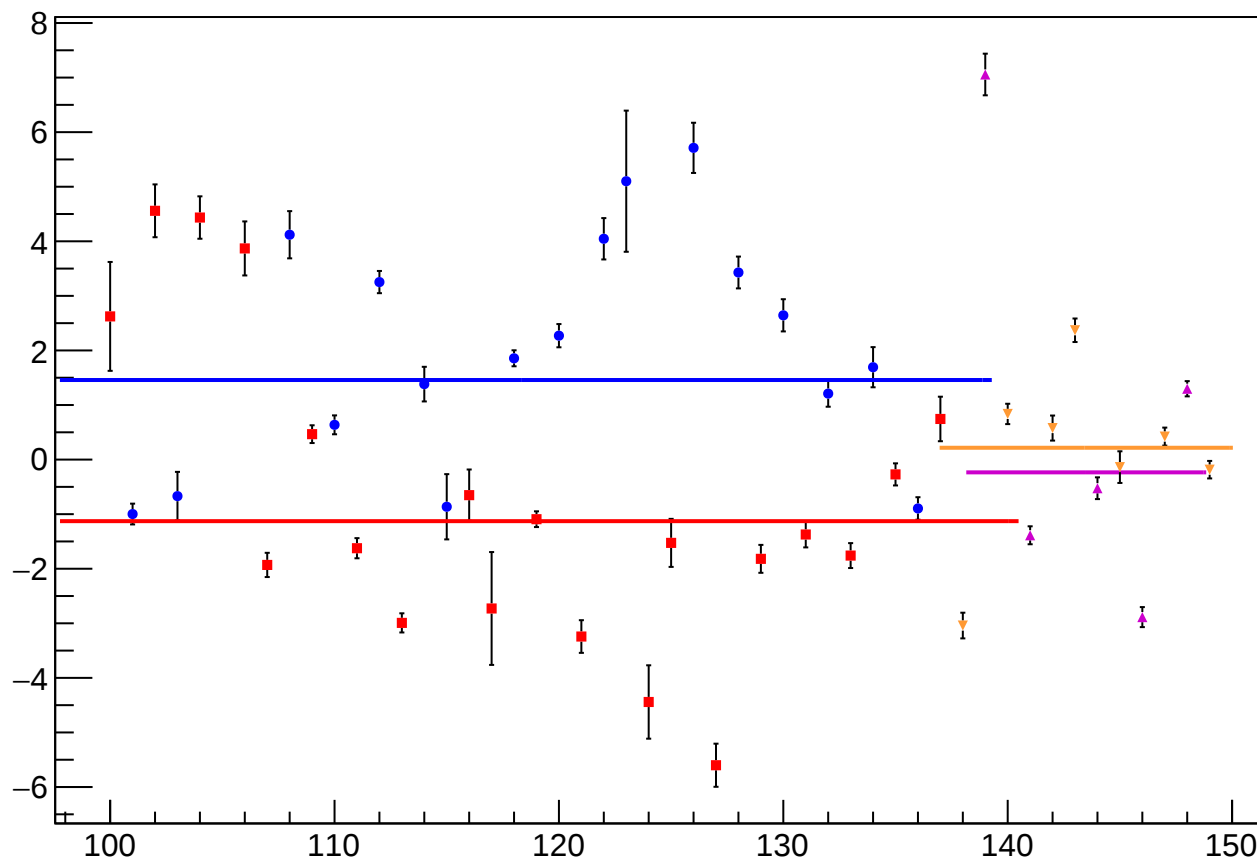
1.023+/-0.014 χ^2/NDF : 1794318.1/48

3.382+/-0.020 χ^2/NDF : 787358.7/24

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected

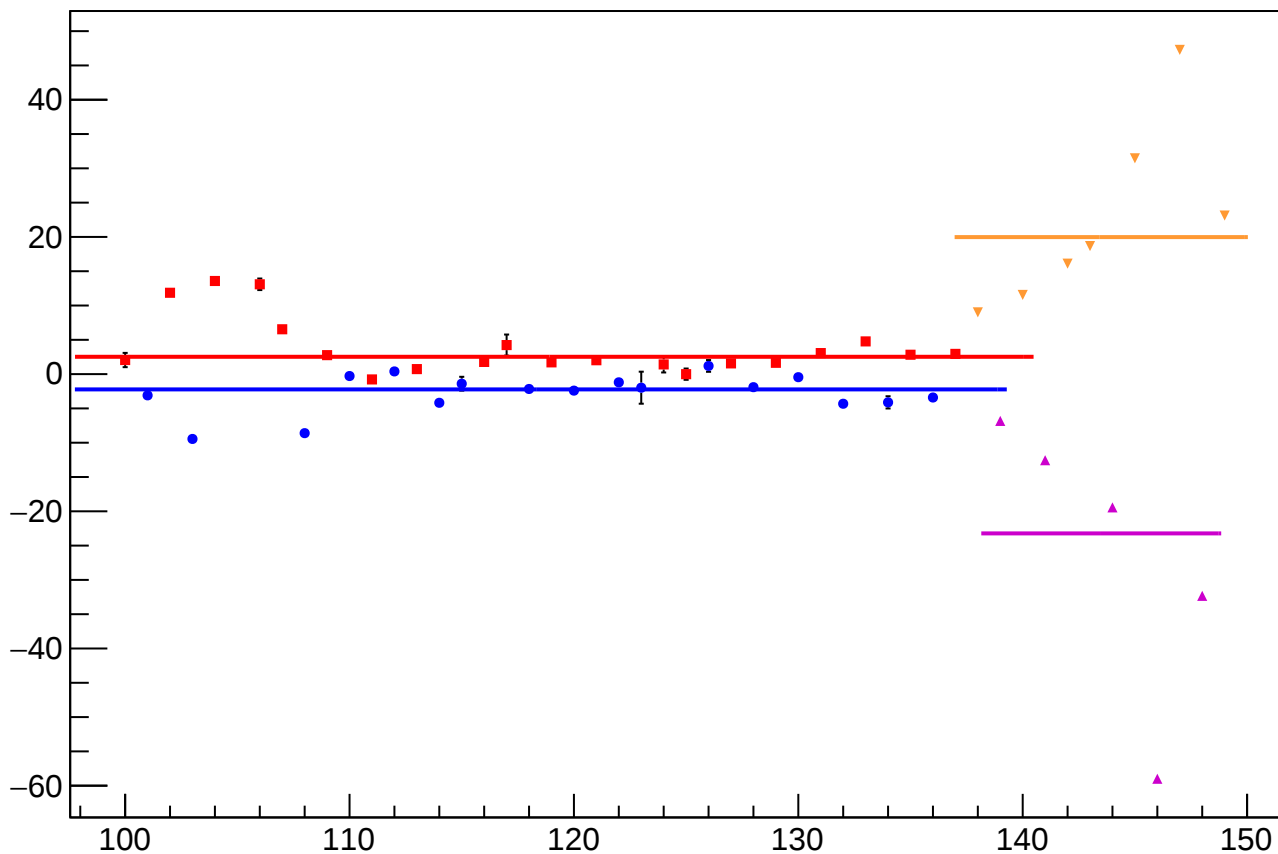


0.959 +/- 0.048 χ^2/NDF : 1173.6/23

0.054 +/- 0.034 χ^2/NDF : 3653.8/48

-0.828 +/- 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: 19.975 ± 0.106 χ^2/NDF : 12149.2/6

Right Out: 2.527 ± 0.099 χ^2/NDF : 905.2/19

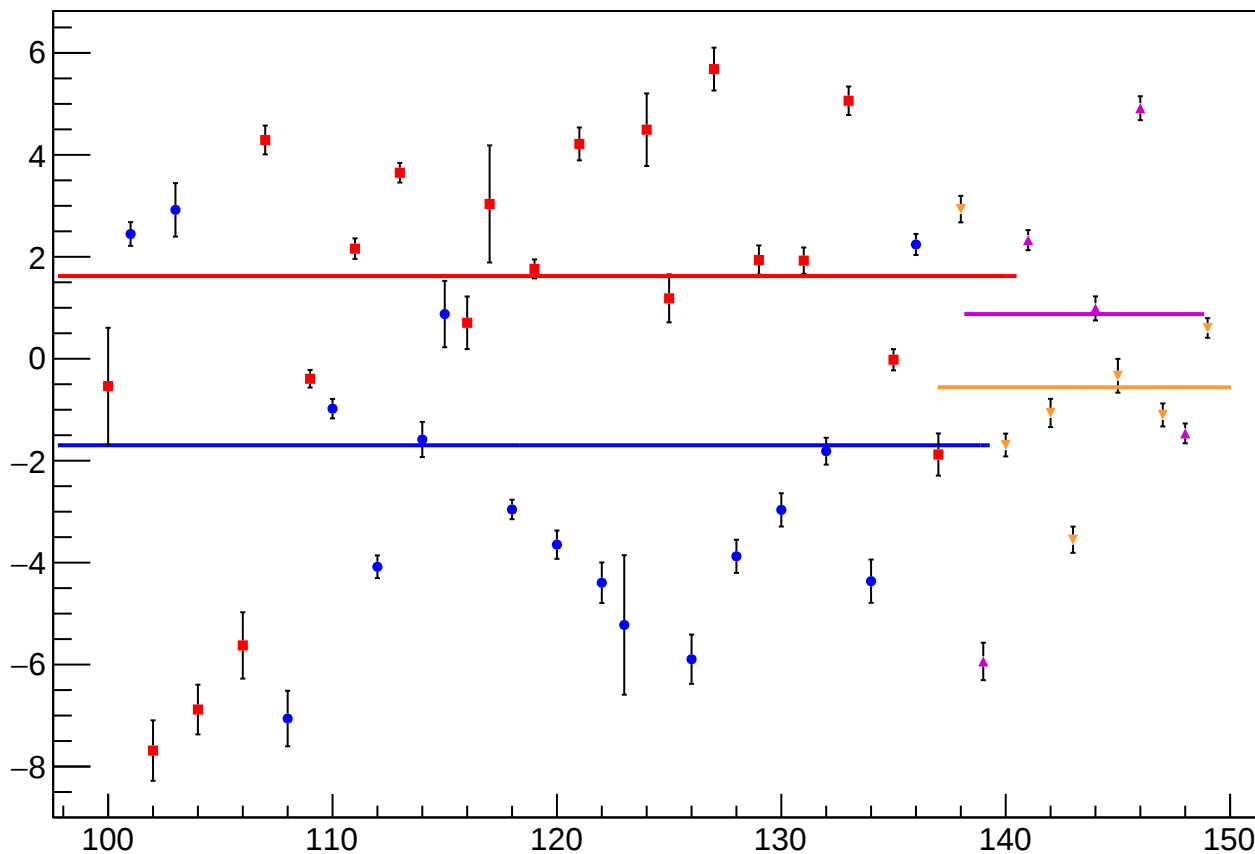
Left In: -23.221 ± 0.118 χ^2/NDF : 22527.6/4

9.413 ± 0.077 χ^2/NDF : 33487.1/23

0.521 ± 0.054 χ^2/NDF : 111487.9/48

-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 χ^2/NDF : 1319.4/16

Left Out: -0.560 ± 0.092 χ^2/NDF : 387.4/6

Right Out: 1.623 ± 0.066 χ^2/NDF : 1490.8/19

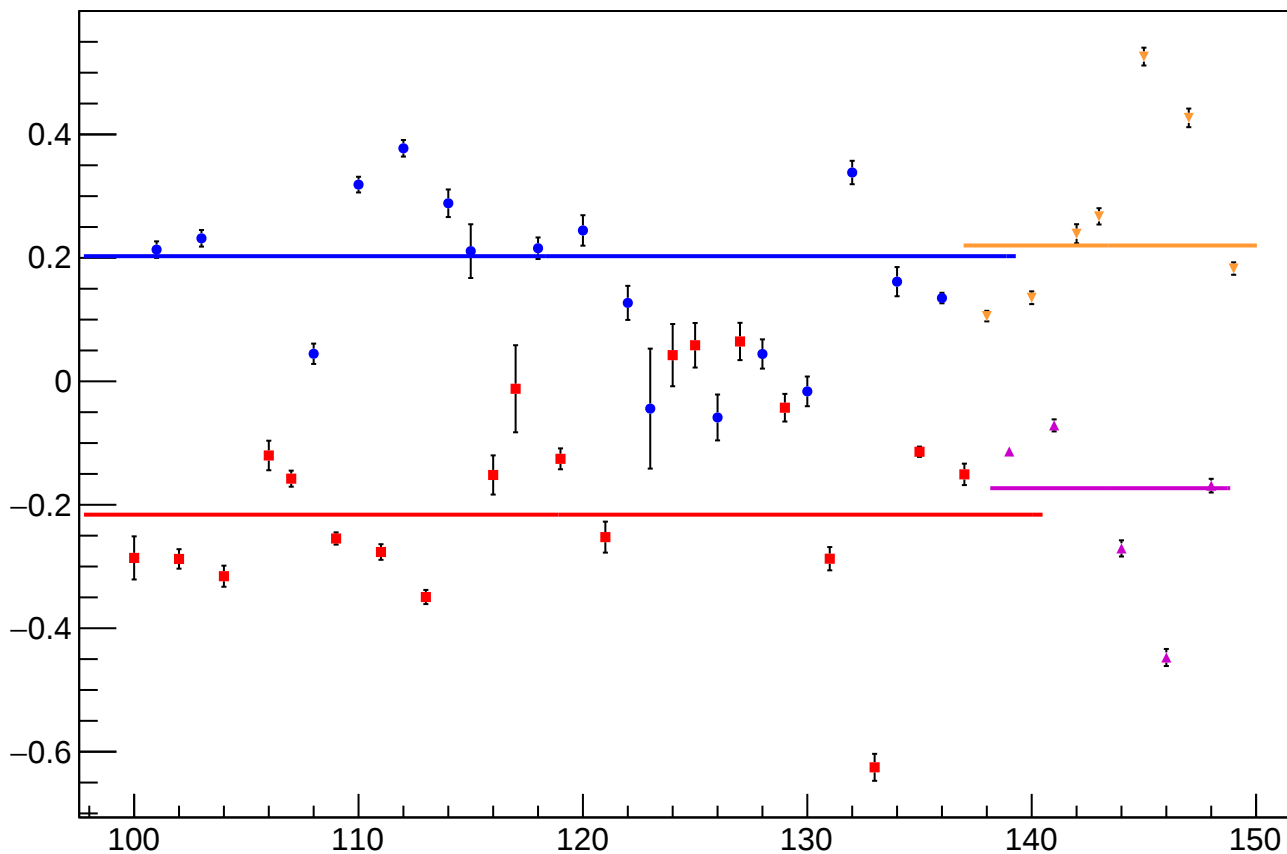
Left In: 0.877 ± 0.102 χ^2/NDF : 841.6/4

-1.271 ± 0.056 χ^2/NDF : 1802.6/23

0.093 ± 0.039 χ^2/NDF : 5326.9/48

1.405 ± 0.055 χ^2/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: 0.220 ± 0.004 χ^2/NDF : 911.2/6

Right Out: -0.216 ± 0.004 χ^2/NDF : 1072.8/19

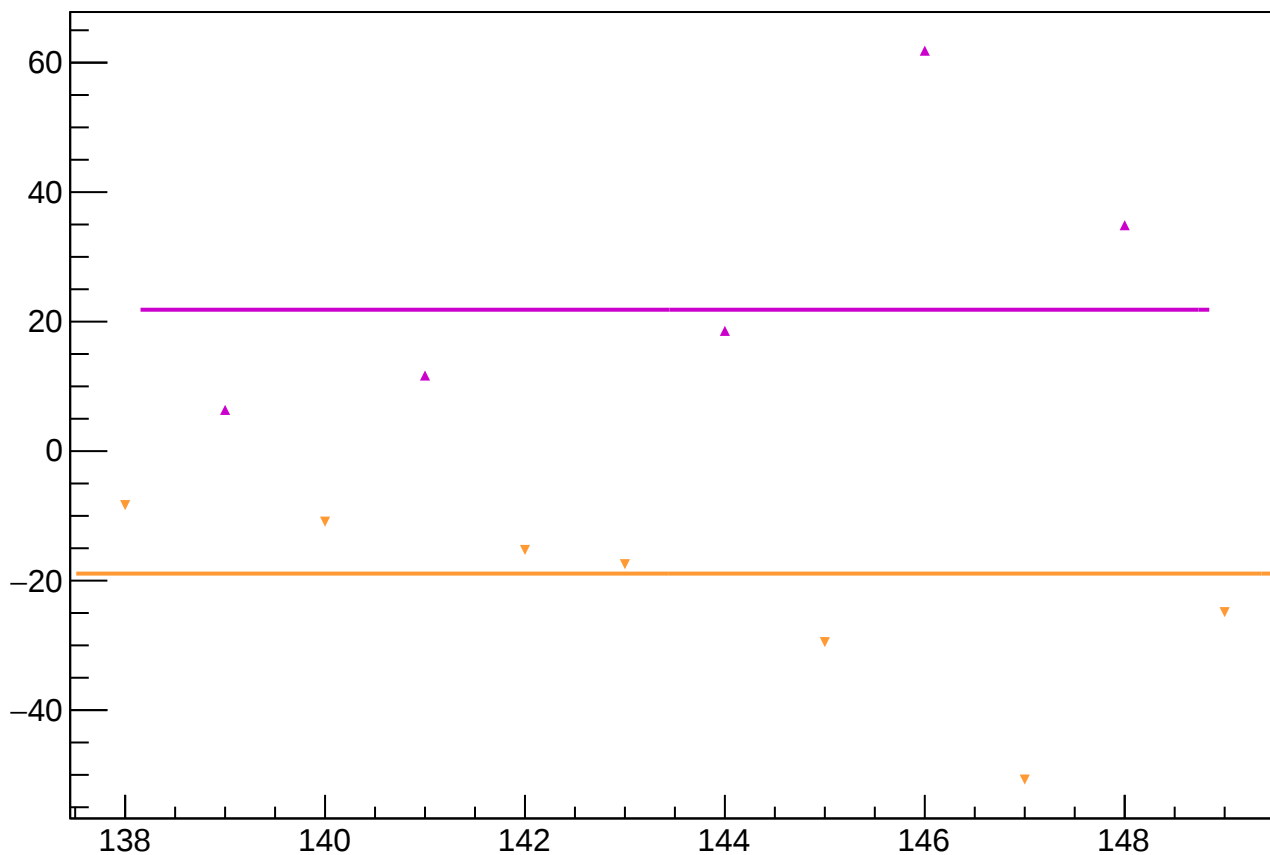
Left In: -0.173 ± 0.005 χ^2/NDF : 611.2/4

0.211 ± 0.003 χ^2/NDF : 1595.9/23

-0.002 ± 0.002 χ^2/NDF : 12937.6/48

-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: -18.913+/-0.102 χ^2/NDF : 14278.6/6

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

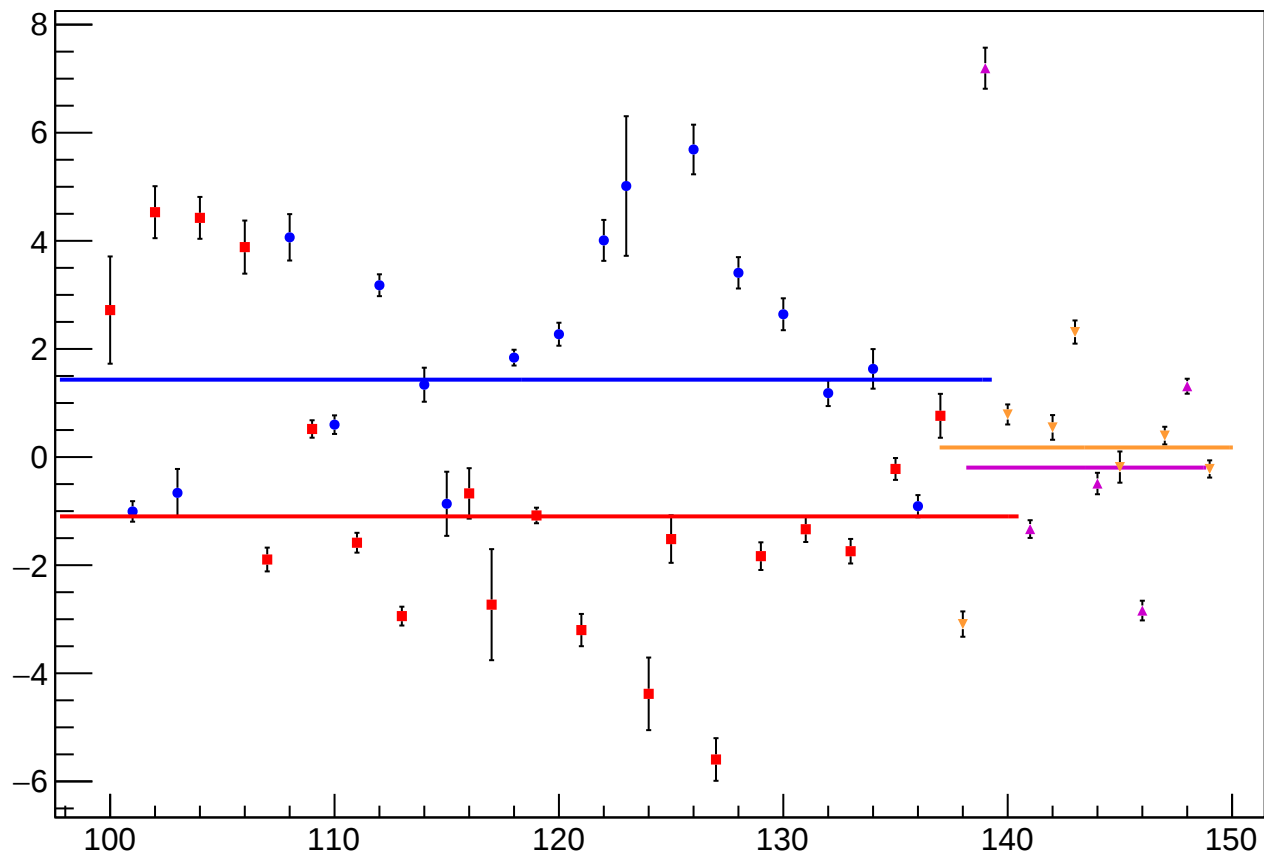
Left In: 21.840+/-0.114 χ^2/NDF : 26106.5/4

-18.913+/-0.102 χ^2/NDF : 14278.6/6

-0.673+/-0.076 χ^2/NDF : 111413.6/11

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: 0.177 ± 0.075 χ^2/NDF : 316.5/6

Right Out: -1.098 ± 0.058 χ^2/NDF : 955.7/19

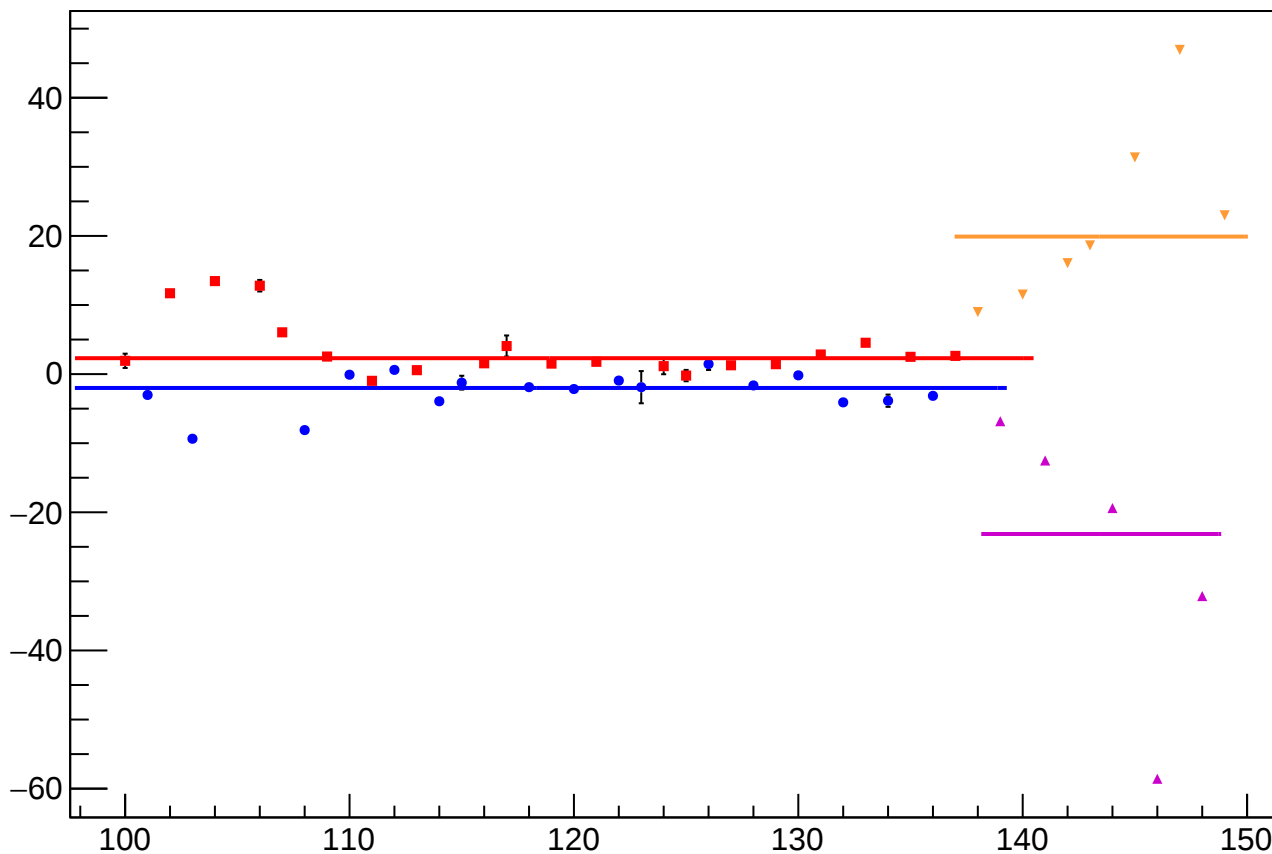
Left In: -0.195 ± 0.081 χ^2/NDF : 757.3/4

0.927 ± 0.048 χ^2/NDF : 1179.5/23

0.055 ± 0.033 χ^2/NDF : 3635.0/48

-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: 19.904 ± 0.105 χ^2/NDF : 12115.4/6

Right Out: 2.302 ± 0.098 χ^2/NDF : 908.6/19

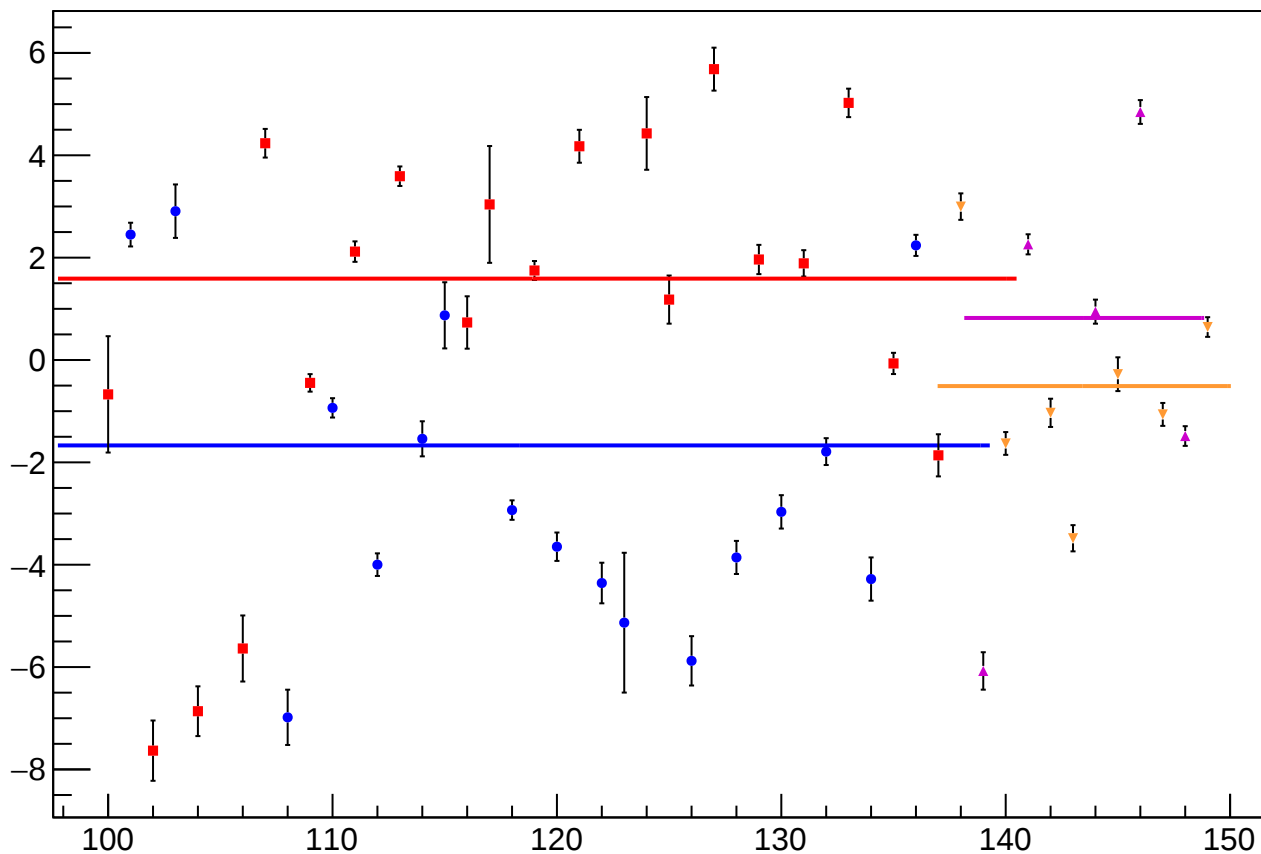
Left In: -23.143 ± 0.117 χ^2/NDF : 22454.3/4

9.486 ± 0.076 χ^2/NDF : 33116.2/23

0.503 ± 0.054 χ^2/NDF : 111504.2/48

-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: -0.509 ± 0.091 χ^2/NDF : 390.1/6

Right Out: 1.590 ± 0.065 χ^2/NDF : 1496.3/19

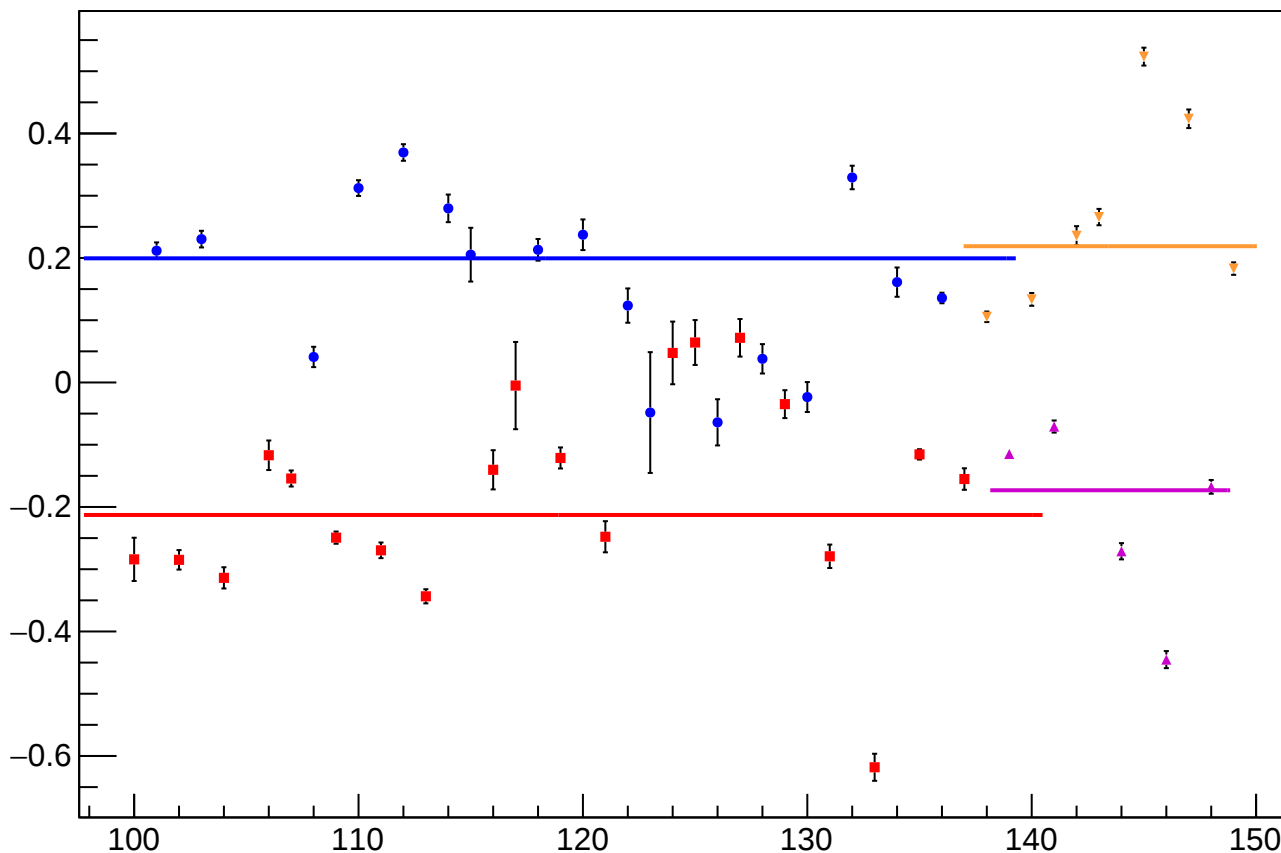
Left In: 0.822 ± 0.102 χ^2/NDF : 853.1/4

-1.234 ± 0.056 χ^2/NDF : 1805.6/23

0.090 ± 0.039 χ^2/NDF : 5295.5/48

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 $\pm$ 0.004 χ^2/NDF : 662.1/16

Left Out: 0.219 $\pm$ 0.004 χ^2/NDF : 909.2/6

Right Out: -0.213 $\pm$ 0.004 χ^2/NDF : 1057.0/19

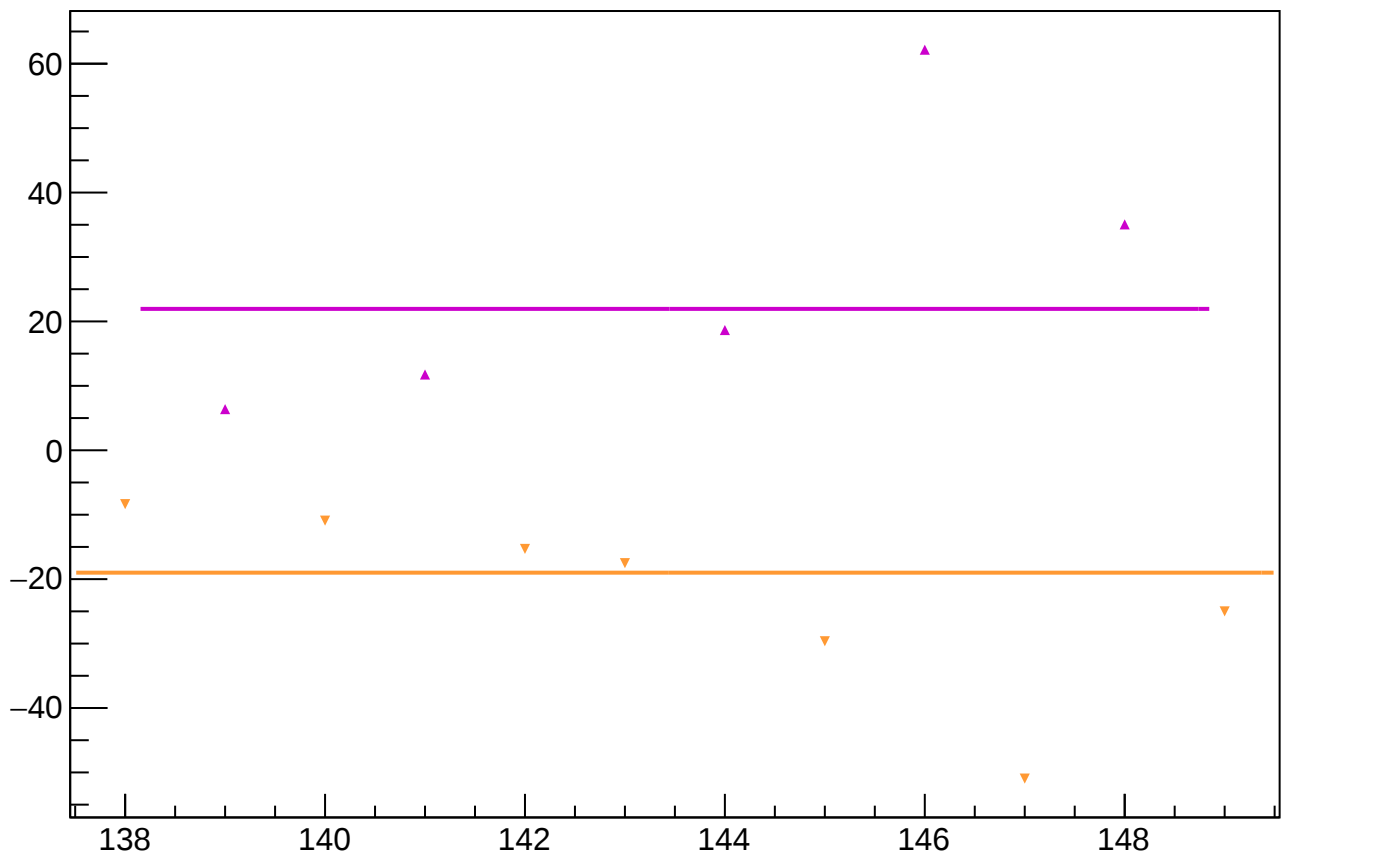
Left In: -0.173 $\pm$ 0.005 χ^2/NDF : 612.4/4

0.209 $\pm$ 0.003 χ^2/NDF : 1581.8/23

-0.002 $\pm$ 0.002 χ^2/NDF : 12798.4/48

-0.198 $\pm$ 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: -18.994+/-0.103 χ^2/NDF : 14293.5/6

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

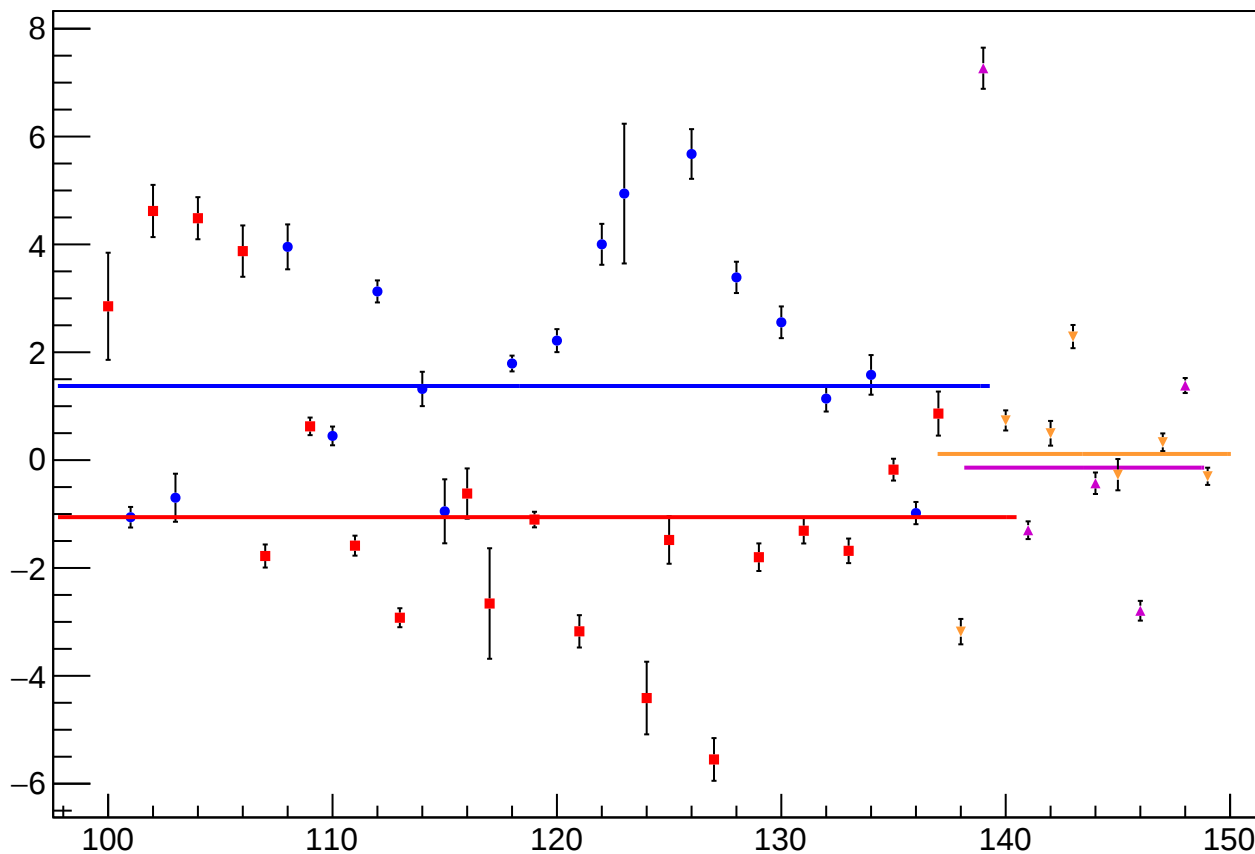
Left In: 21.946+/-0.114 χ^2/NDF : 26146.2/4

-18.994+/-0.103 χ^2/NDF : 14293.5/6

-0.674+/-0.076 χ^2/NDF : 111507.6/11

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: 0.114 ± 0.075 $\chi^2/\text{NDF}: 322.1/6$

Right Out: -1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

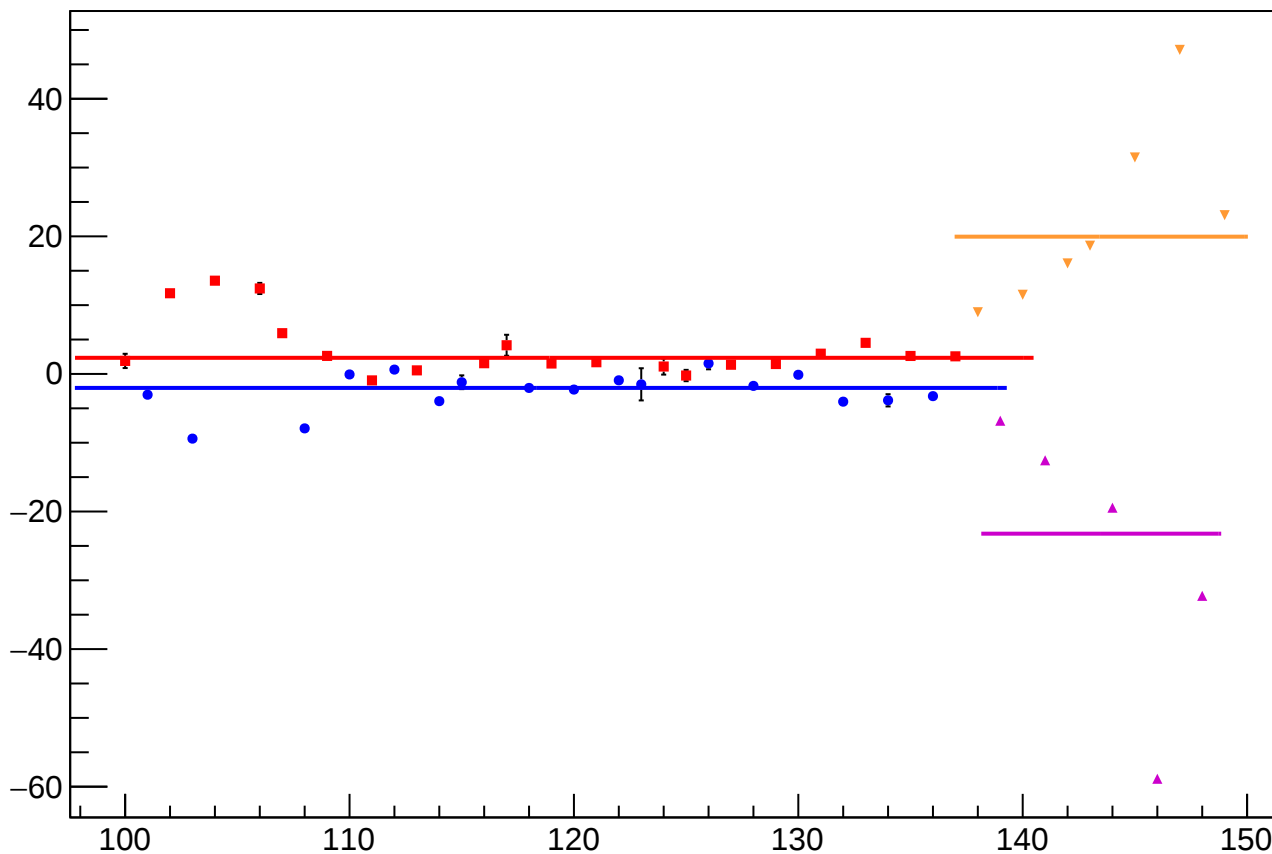
Left In: -0.140 ± 0.082 $\chi^2/\text{NDF}: 758.3/4$

0.867 ± 0.048 $\chi^2/\text{NDF}: 1191.1/23$

0.047 ± 0.034 $\chi^2/\text{NDF}: 3578.7/48$

-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 $\chi^2/\text{NDF}: 463.2/16$

Left Out: 19.955 ± 0.106 $\chi^2/\text{NDF}: 12128.5/6$

Right Out: 2.344 ± 0.099 $\chi^2/\text{NDF}: 903.4/19$

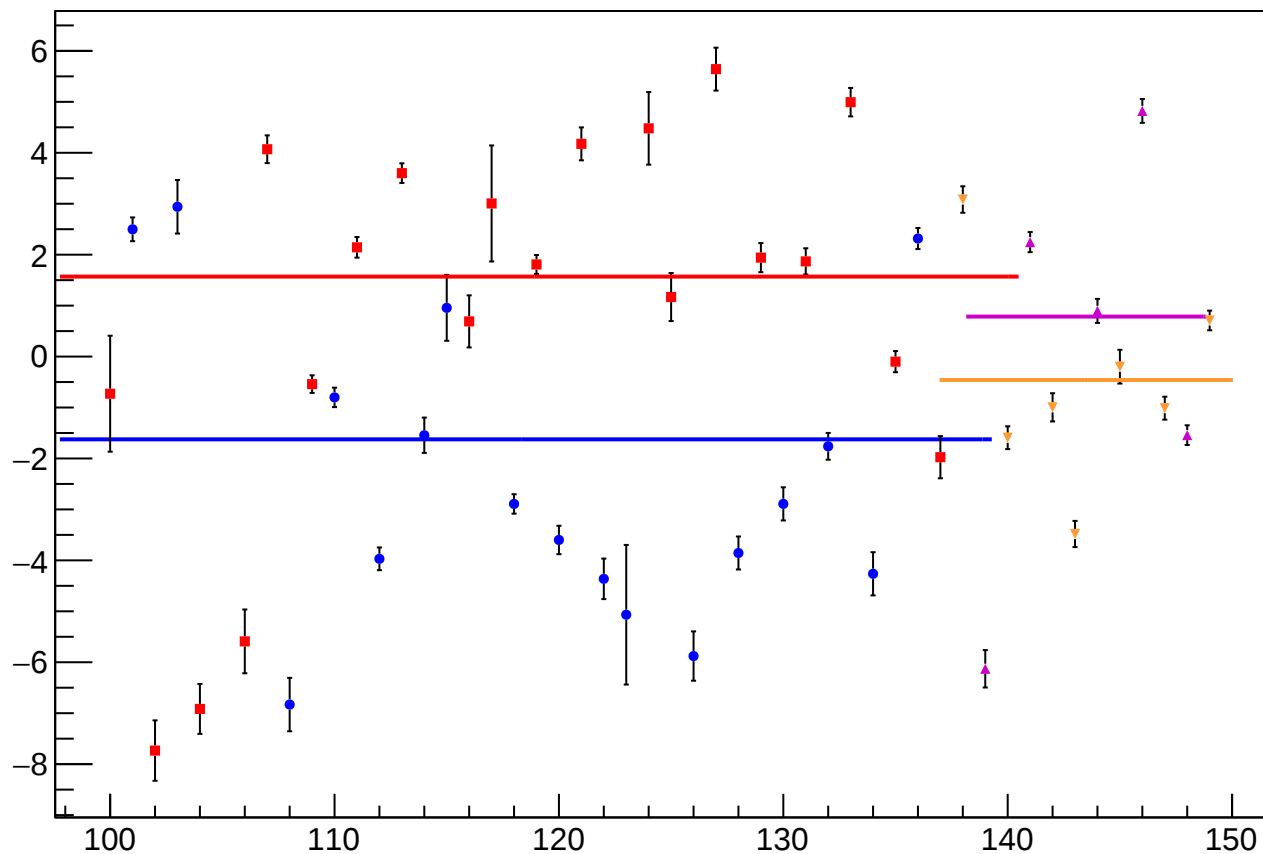
Left In: -23.221 ± 0.118 $\chi^2/\text{NDF}: 22495.1/4$

9.513 ± 0.077 $\chi^2/\text{NDF}: 33078.2/23$

0.510 ± 0.054 $\chi^2/\text{NDF}: 111373.0/48$

-8.234 ± 0.076 $\chi^2/\text{NDF}: 51140.2/24$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625±/0.071 χ^2/NDF : 1320.8/16

Left Out: -0.460±/0.092 χ^2/NDF : 396.8/6

Right Out: 1.570±/0.065 χ^2/NDF : 1507.4/19

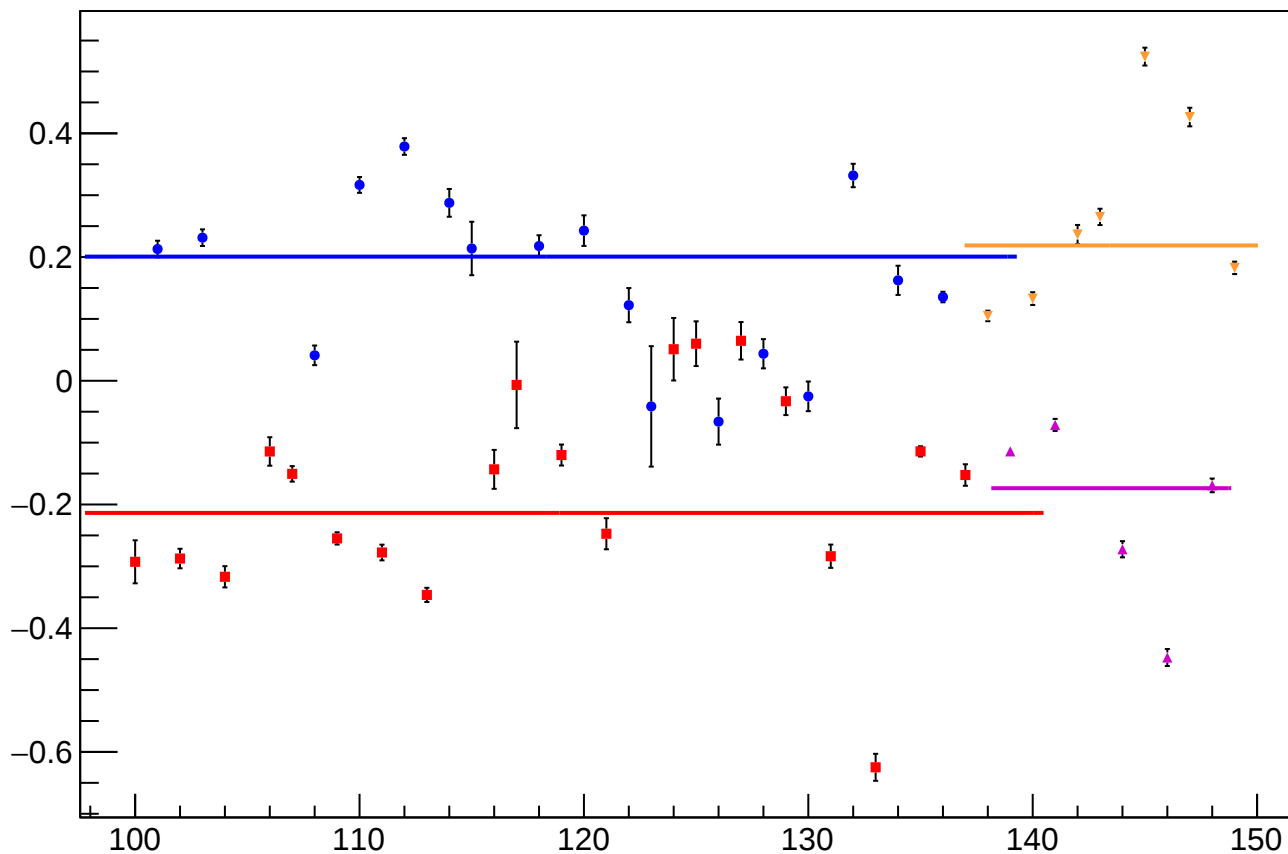
Left In: 0.785±/0.102 χ^2/NDF : 852.9/4

-1.188±/0.056 χ^2/NDF : 1818.3/23

0.102±/0.039 χ^2/NDF : 5252.2/48

1.341±/0.055 χ^2/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: 0.219 ± 0.004 χ^2/NDF : 910.6/6

Right Out: -0.214 ± 0.004 χ^2/NDF : 1089.2/19

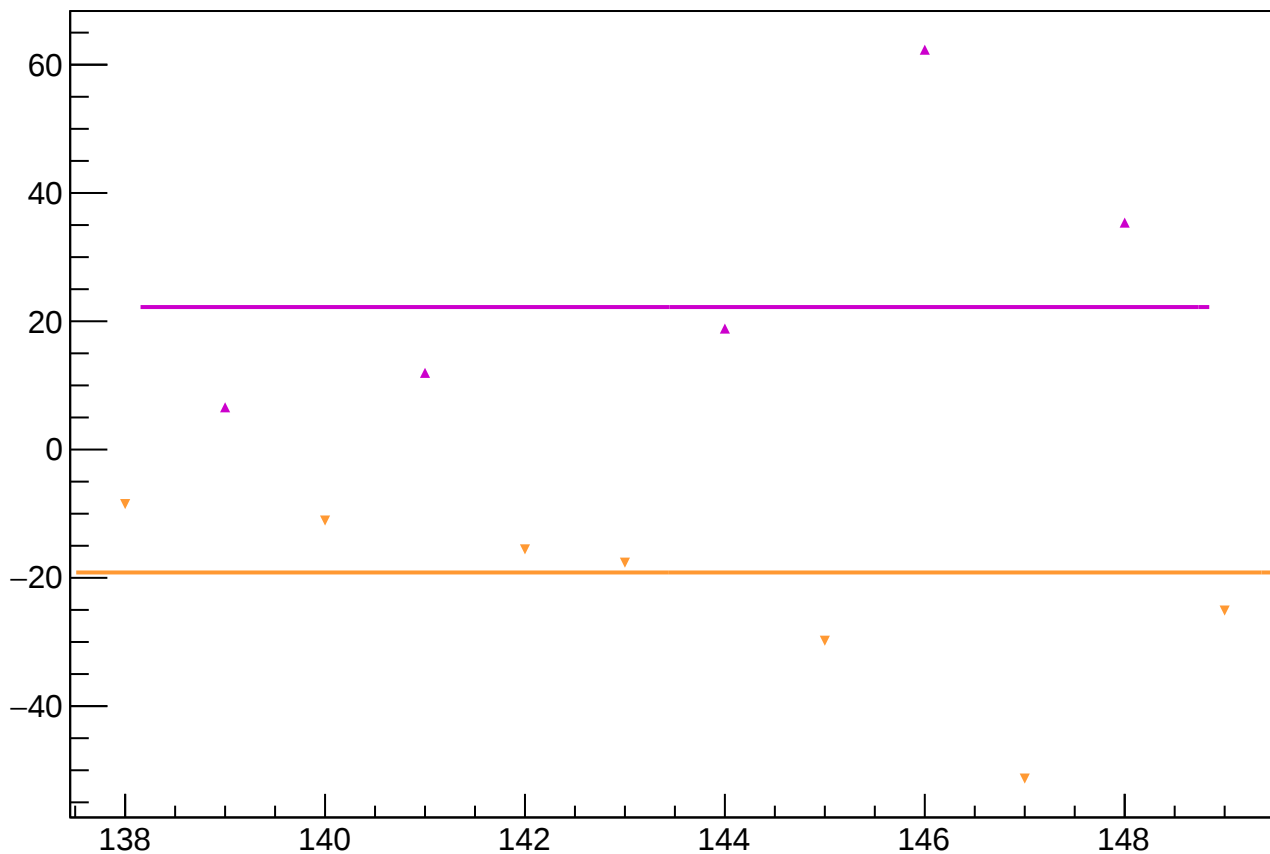
Left In: -0.174 ± 0.005 χ^2/NDF : 614.6/4

0.209 ± 0.003 χ^2/NDF : 1610.2/23

-0.002 ± 0.002 χ^2/NDF : 12860.8/48

-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: -19.164+/-0.104 χ^2/NDF : 14149.0/6

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

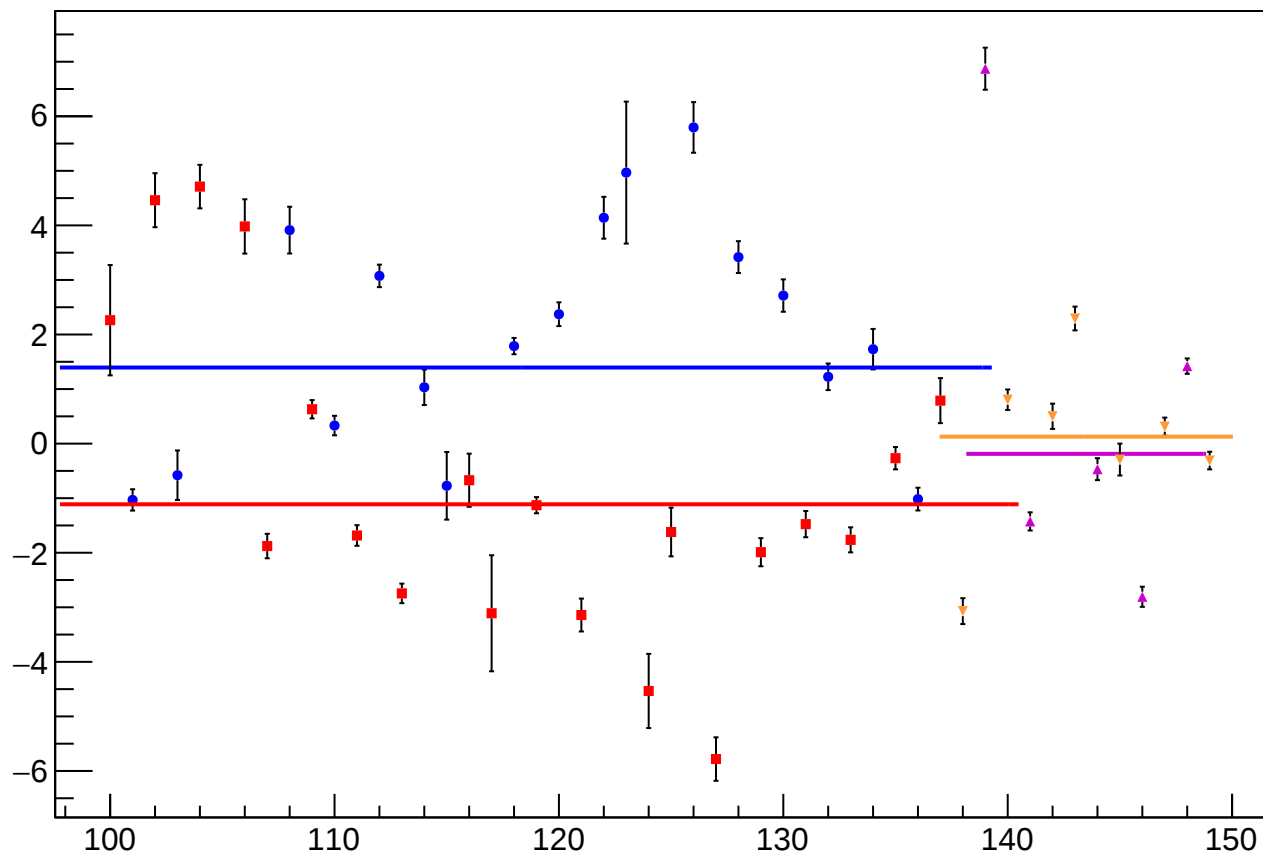
Left In: 22.217+/-0.115 χ^2/NDF : 25754.5/4

-19.164+/-0.104 χ^2/NDF : 14149.0/6

-0.665+/-0.077 χ^2/NDF : 111127.7/11

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 χ^2/NDF : 701.4/16

Left Out: 0.128 ± 0.076 χ^2/NDF : 306.6/6

Right Out: -1.112 ± 0.059 χ^2/NDF : 940.5/19

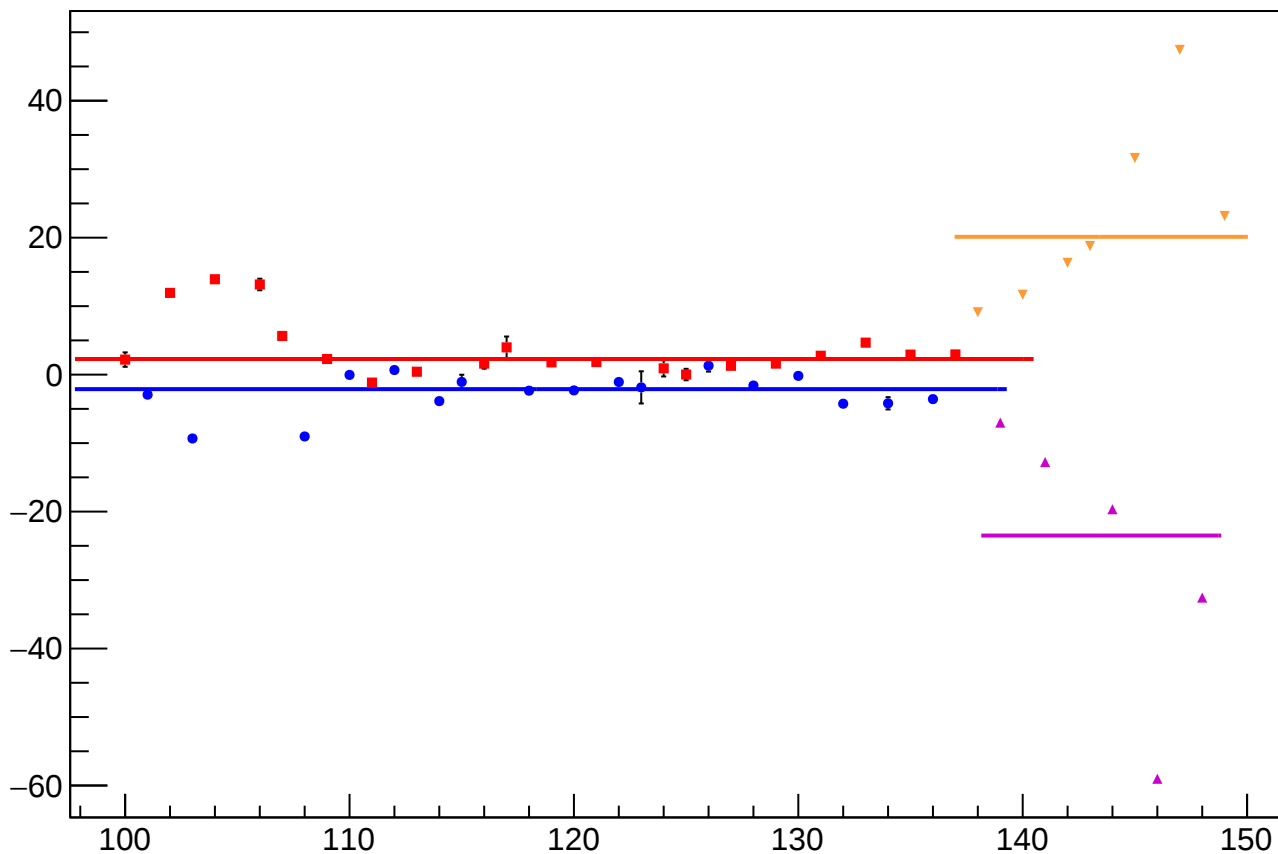
Left In: -0.187 ± 0.082 χ^2/NDF : 725.1/4

0.880 ± 0.049 χ^2/NDF : 1172.2/23

0.032 ± 0.034 χ^2/NDF : 3523.8/48

-0.797 ± 0.048 χ^2/NDF : 1748.8/24

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 20.125 ± 0.107 $\chi^2/\text{NDF}: 12004.7/6$

Right Out: 2.284 ± 0.101 $\chi^2/\text{NDF}: 920.6/19$

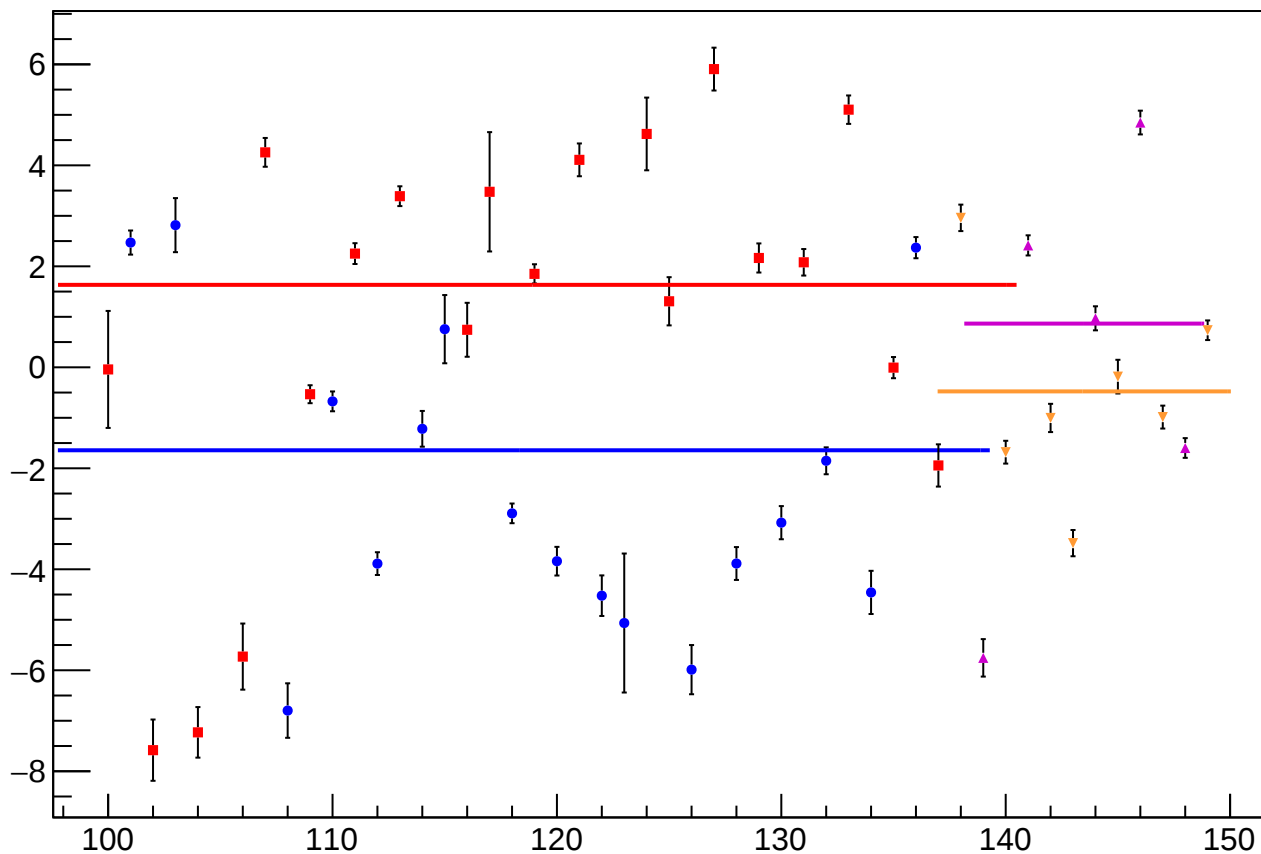
Left In: -23.499 ± 0.119 $\chi^2/\text{NDF}: 22130.8/4$

9.657 ± 0.078 $\chi^2/\text{NDF}: 32897.5/23$

0.464 ± 0.055 $\chi^2/\text{NDF}: 111026.9/48$

-8.524 ± 0.077 $\chi^2/\text{NDF}: 50459.7/24$

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: -0.477 ± 0.093 $\chi^2/\text{NDF}: 382.2/6$

Right Out: 1.633 ± 0.067 $\chi^2/\text{NDF}: 1470.6/19$

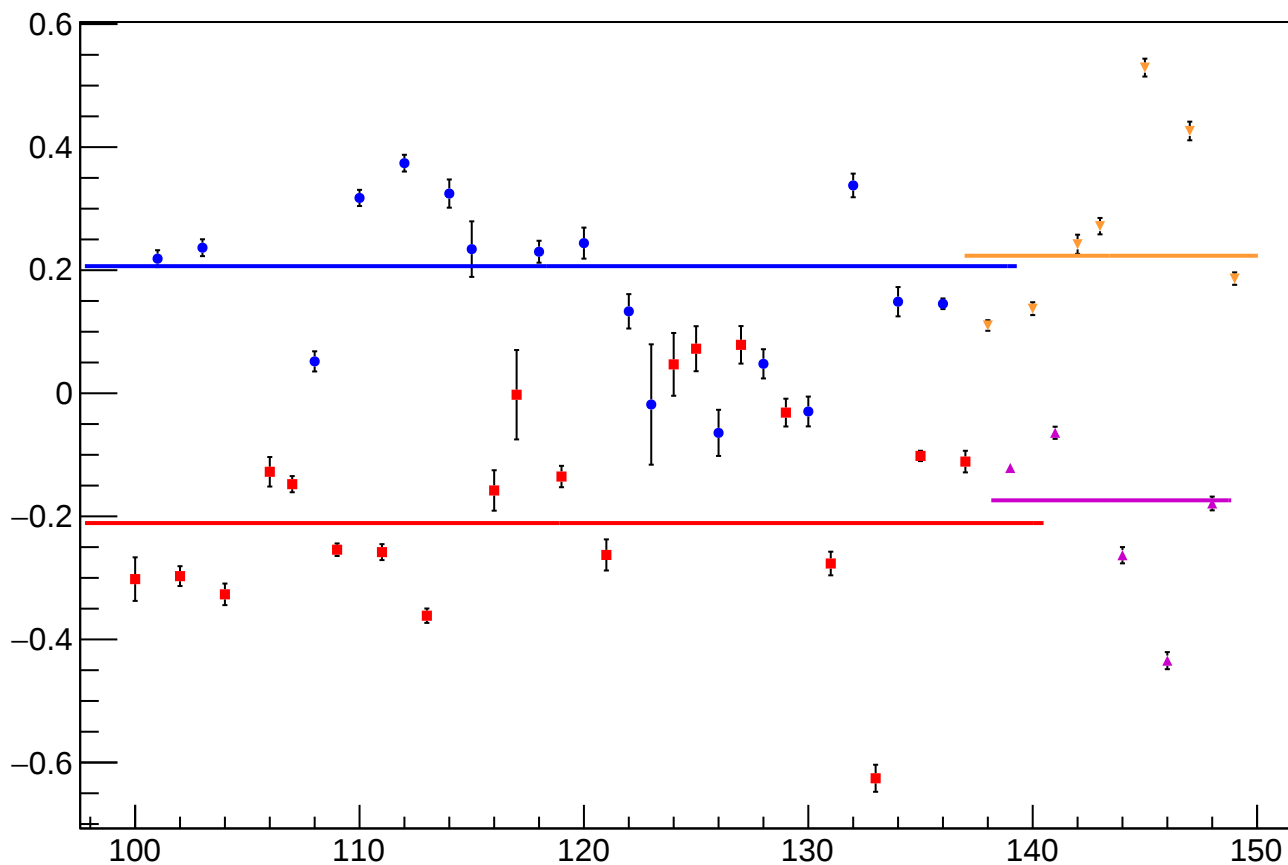
Left In: 0.866 ± 0.103 $\chi^2/\text{NDF}: 824.3/4$

-1.201 ± 0.057 $\chi^2/\text{NDF}: 1790.7/23$

0.125 ± 0.040 $\chi^2/\text{NDF}: 5187.5/48$

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: 0.224 $\pm$ 0.004 χ^2 /NDF: 889.2/6

Right Out: -0.211 $\pm$ 0.004 χ^2 /NDF: 1153.8/19

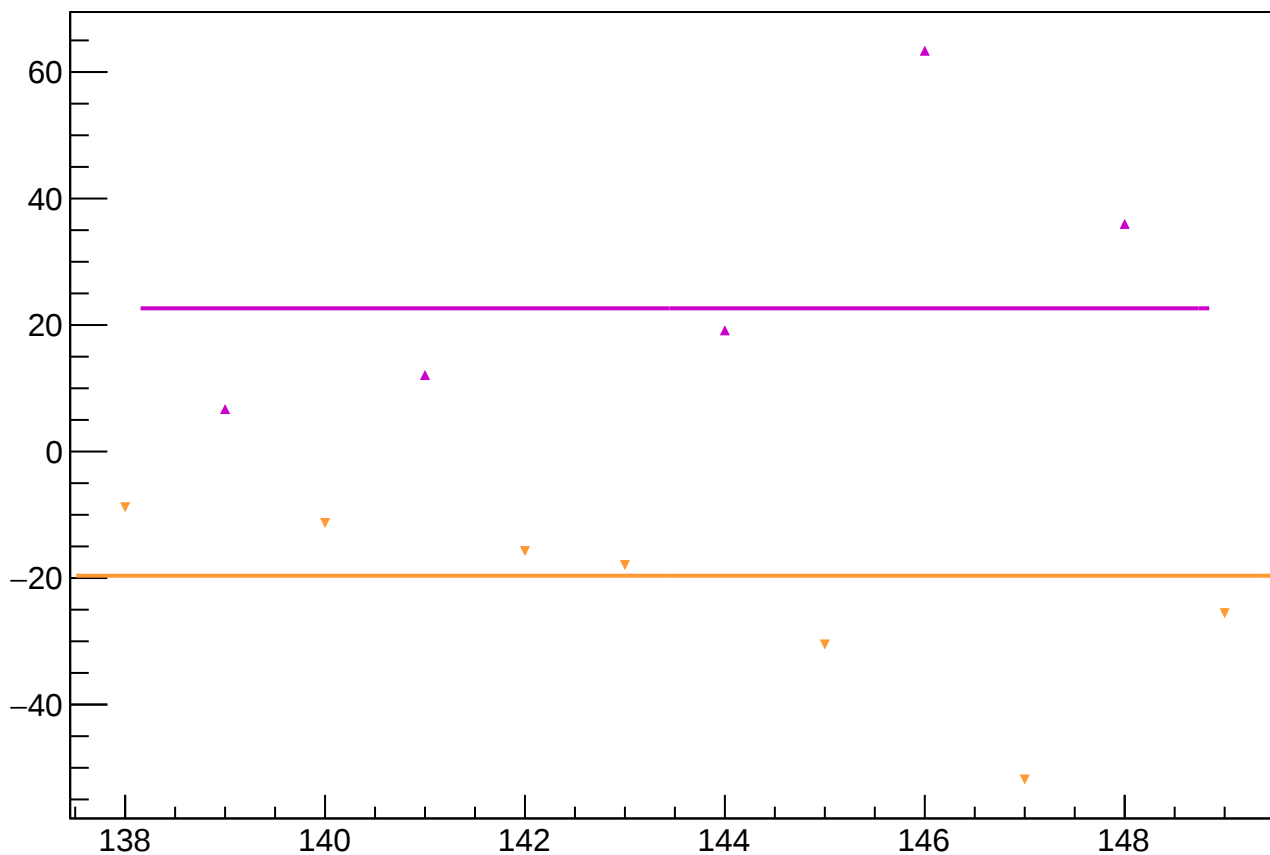
Left In: -0.174 $\pm$ 0.005 χ^2 /NDF: 562.6/4

0.215 $\pm$ 0.003 χ^2 /NDF: 1551.9/23

0.002 $\pm$ 0.002 χ^2 /NDF: 12692.0/48

-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: -19.627+/-0.106 χ^2/NDF :13930.0/6

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

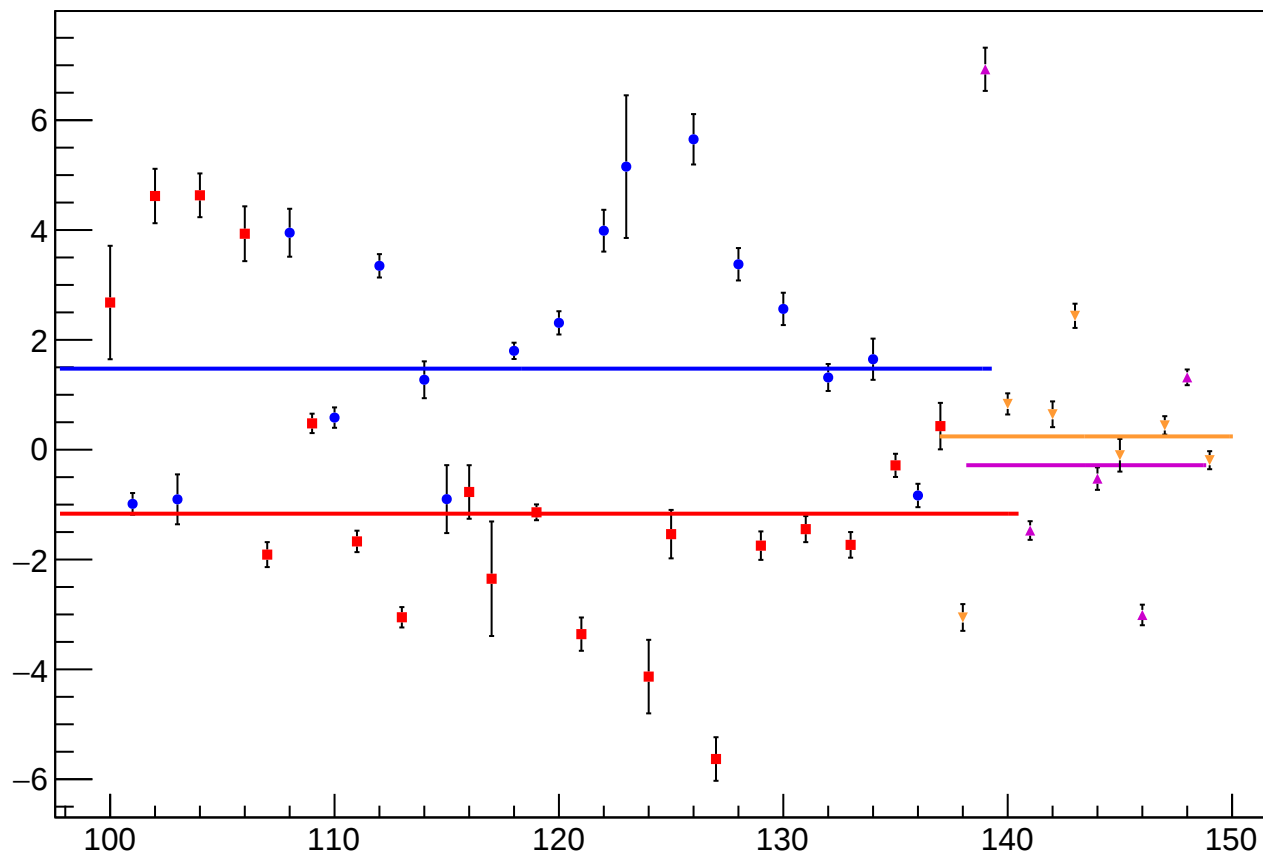
Left In: 22.643+/-0.117 χ^2/NDF :25720.9/4

-19.627+/-0.106 χ^2/NDF : 13930.0/6

-0.704+/-0.079 χ^2/NDF : 111166.6/11

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 $\pm$ 0.064 χ^2/NDF : 659.7/16

Left Out: 0.242 $\pm$ 0.077 χ^2/NDF : 304.5/6

Right Out: -1.165 $\pm$ 0.060 χ^2/NDF : 919.2/19

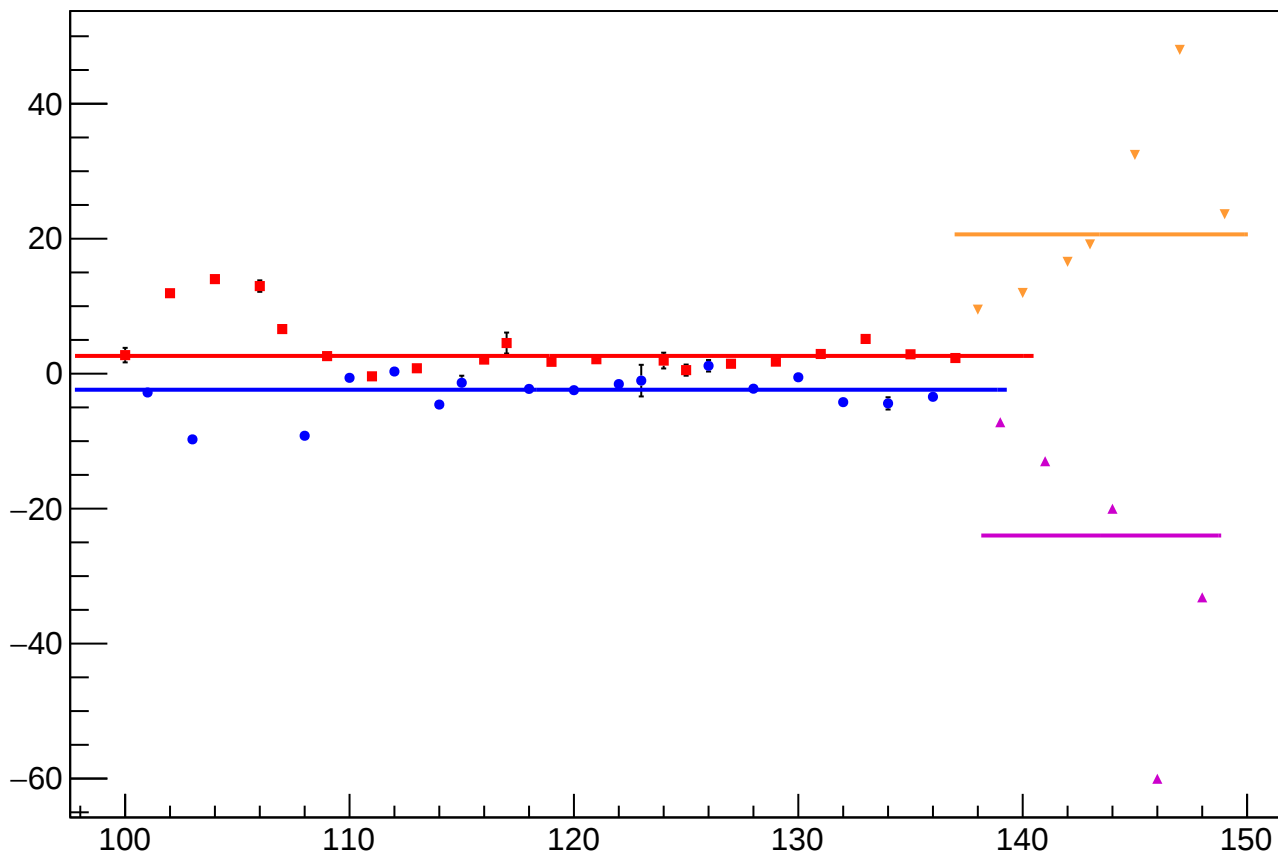
Left In: -0.283 $\pm$ 0.084 χ^2/NDF : 723.0/4

0.979 $\pm$ 0.049 χ^2/NDF : 1115.8/23

0.047 $\pm$ 0.035 χ^2/NDF : 3543.1/48

-0.867 $\pm$ 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 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 20.641 ± 0.109 $\chi^2/\text{NDF}: 11791.0/6$

Right Out: 2.631 ± 0.103 $\chi^2/\text{NDF}: 842.8/19$

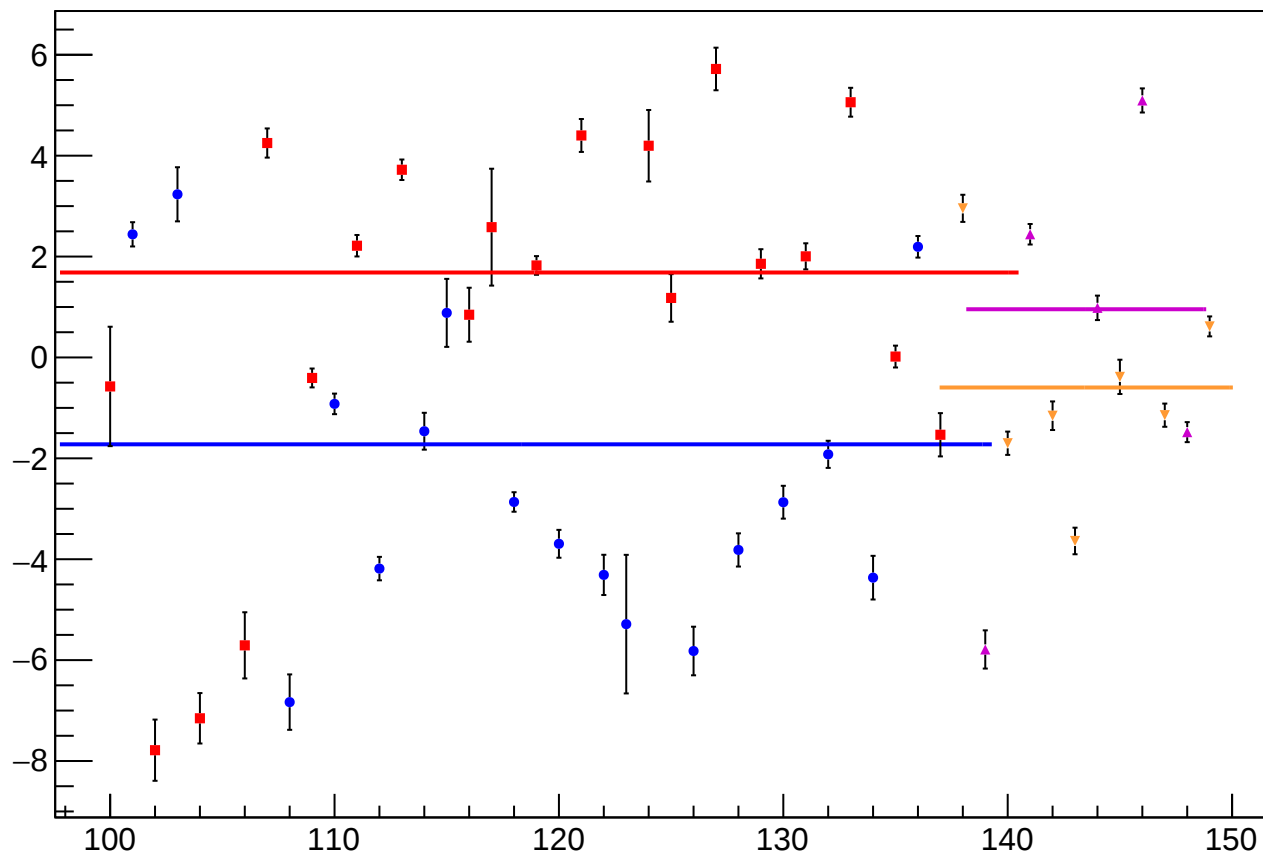
Left In: -23.983 ± 0.121 $\chi^2/\text{NDF}: 22088.4/4$

9.757 ± 0.079 $\chi^2/\text{NDF}: 33346.8/23$

0.518 ± 0.056 $\chi^2/\text{NDF}: 111411.5/48$

-8.565 ± 0.078 $\chi^2/\text{NDF}: 51003.2/24$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 $\pm$ 0.073 χ^2 /NDF: 1247.6/16

Left Out: -0.596 $\pm$ 0.094 χ^2 /NDF: 378.0/6

Right Out: 1.684 $\pm$ 0.068 χ^2 /NDF: 1431.6/19

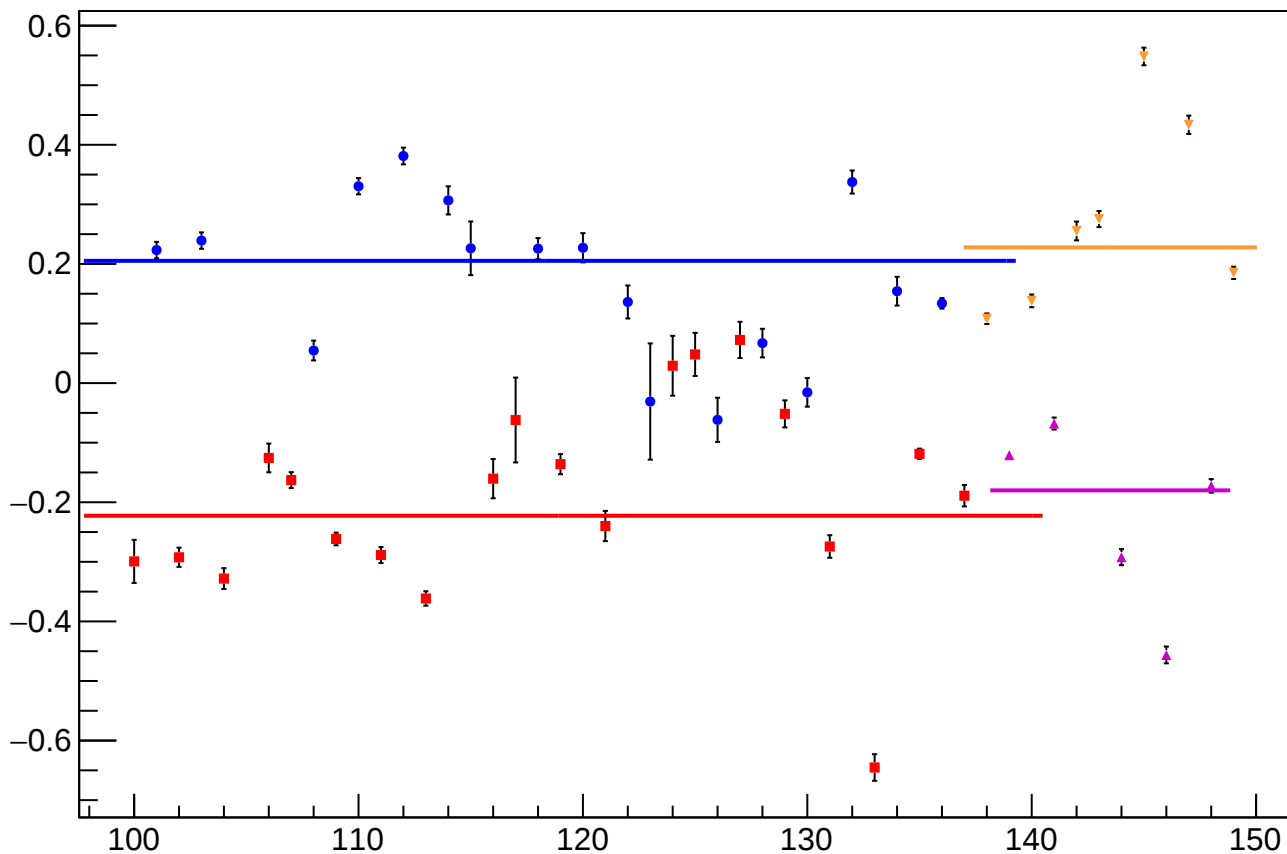
Left In: 0.956 $\pm$ 0.105 χ^2 /NDF: 820.7/4

-1.299 $\pm$ 0.058 χ^2 /NDF: 1714.8/23

0.105 $\pm$ 0.041 χ^2 /NDF: 5165.4/48

1.469 $\pm$ 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: 0.228 $\pm$ 0.005 χ^2 /NDF: 934.2/6

Right Out: -0.223 $\pm$ 0.004 χ^2 /NDF: 1045.6/19

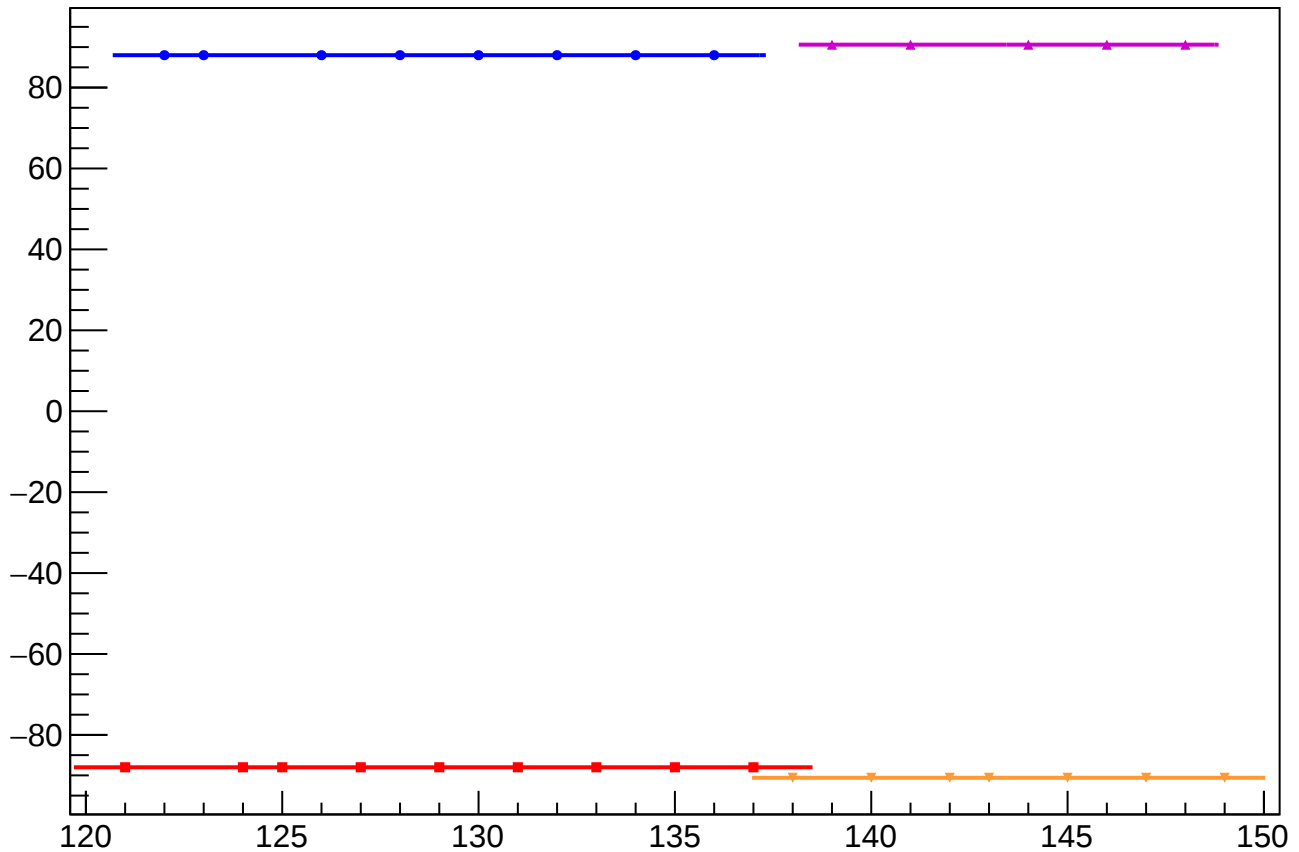
Left In: -0.180 $\pm$ 0.005 χ^2 /NDF: 627.4/4

0.216 $\pm$ 0.003 χ^2 /NDF: 1598.1/23

-0.002 $\pm$ 0.002 χ^2 /NDF: 12854.8/48

-0.206 $\pm$ 0.003 χ^2 /NDF: 1720.5/24

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 3052046.0/6

Right Out: -88.001+/-0.000 χ^2/NDF : 109456.0/8

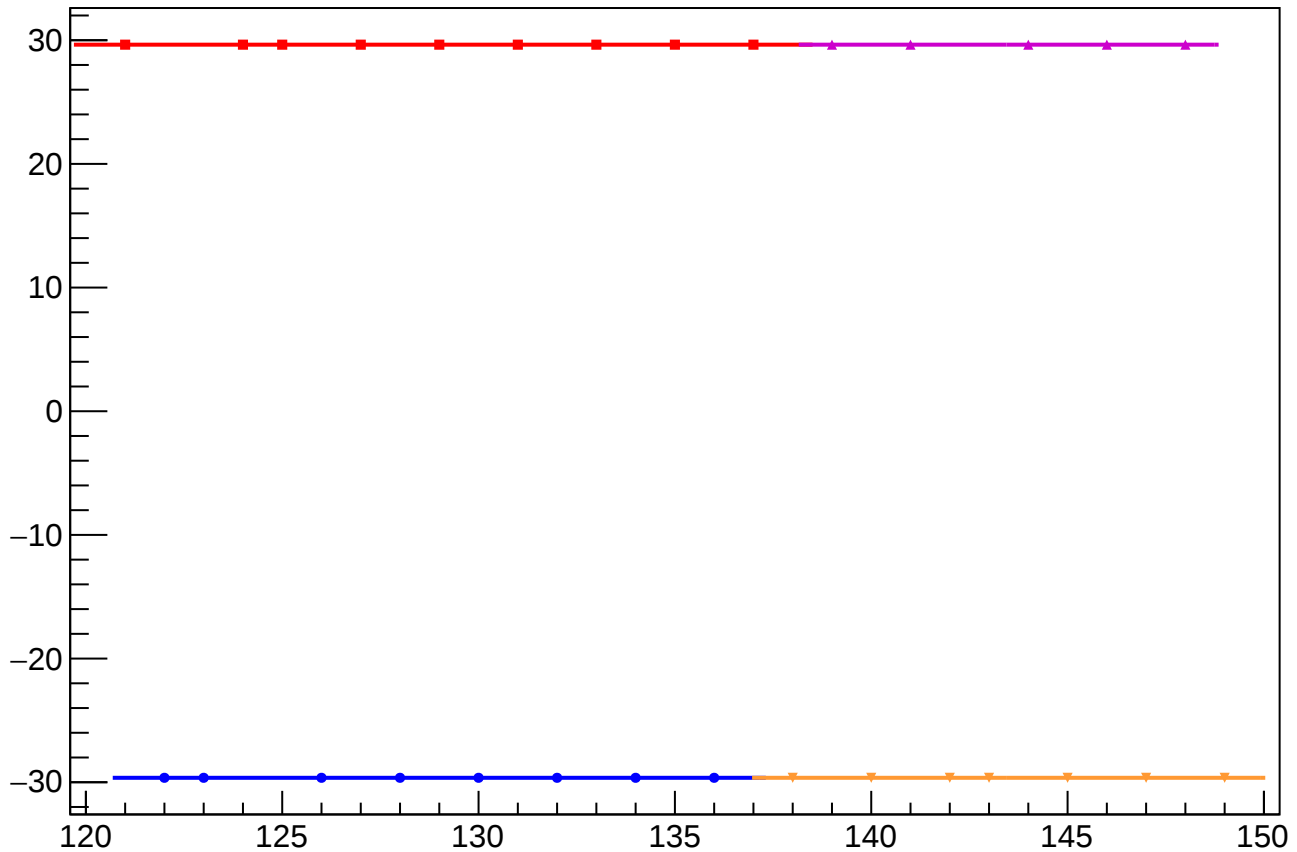
Left In: 90.599+/-0.000 χ^2/NDF : 274245.9/4

-19.409+/-0.000 χ^2/NDF : 65607188777622341

-4.476+/-0.000 χ^2/NDF : 12728828846280

12.979+/-0.000 χ^2/NDF : 575314909346048169

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF :156535.2/6

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

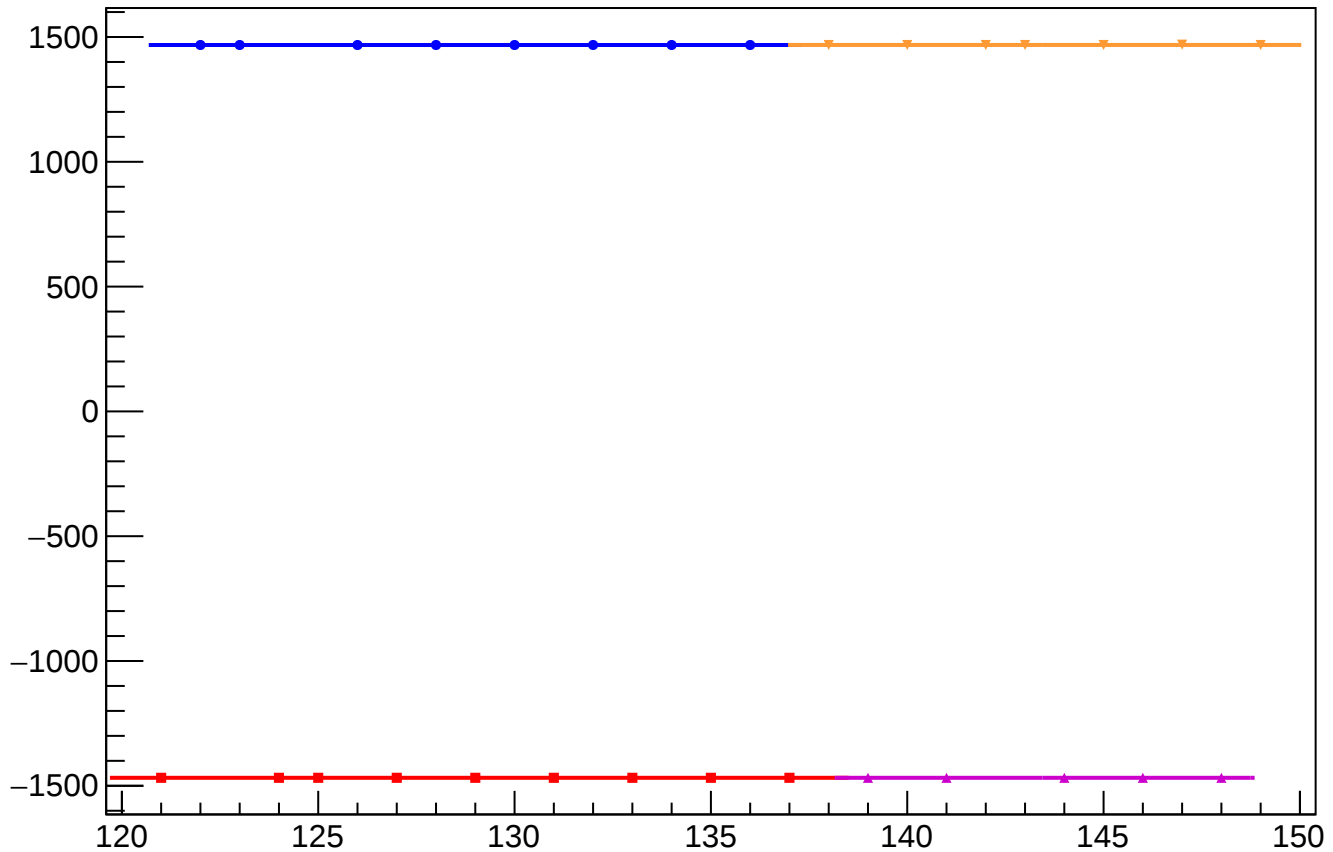
Left In: 29.641+/-0.000 χ^2/NDF :14552.9/4

-29.641+/-0.000 χ^2/NDF : 868390.7/14

-2.309+/-0.000 χ^2/NDF : 13901999830319

29.641+/-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: 1468.179+/-0.000 χ^2/NDF : 115751024858577901145132124602368.0/6

Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

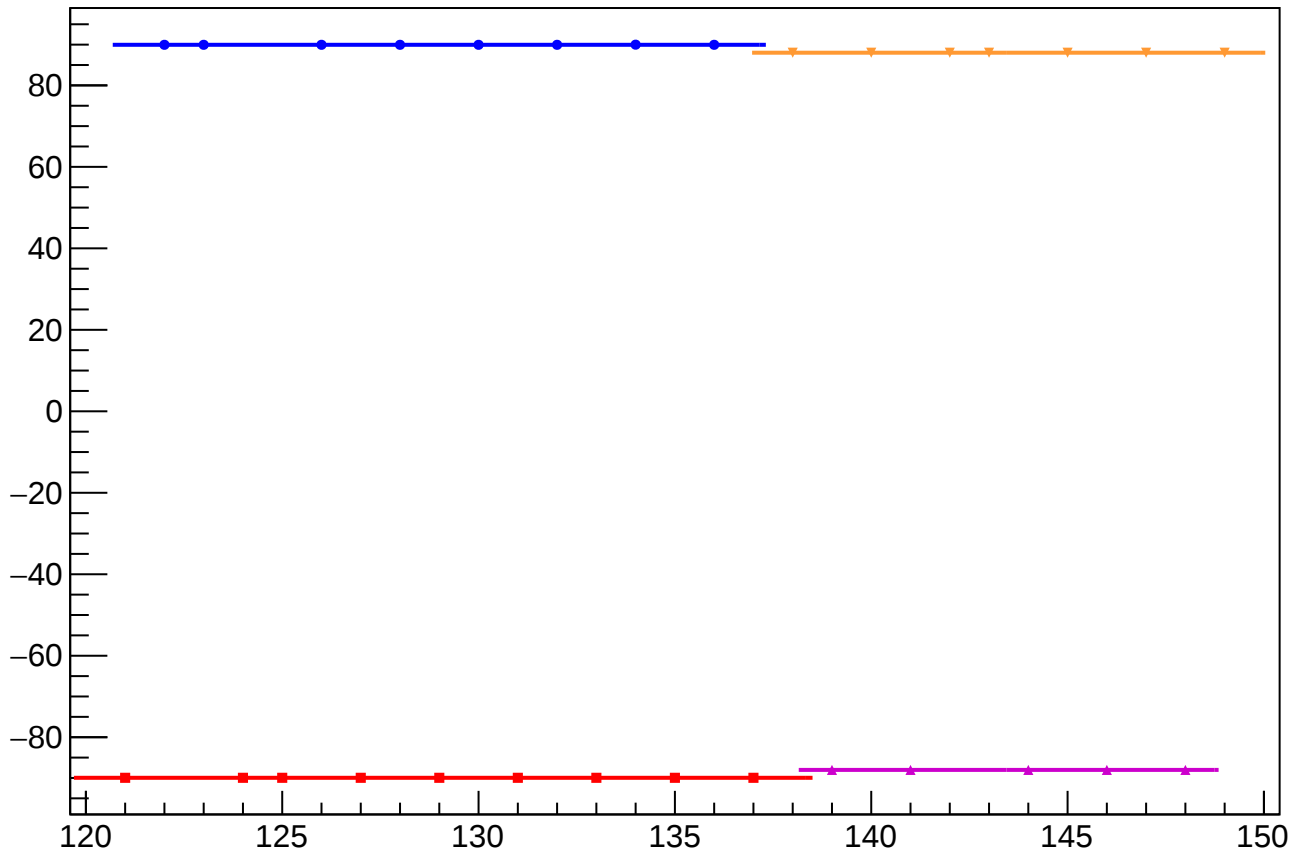
Left In: -1467.979+/-0.000 χ^2/NDF : 12511106.8/4

1468.099+/-0.000 χ^2/NDF : 1239674736965163

114.405+/-0.000 χ^2/NDF : 341016751647

-1467.979+/-0.000 χ^2/NDF : 923081864.8/13

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 : 2716003.9/6

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

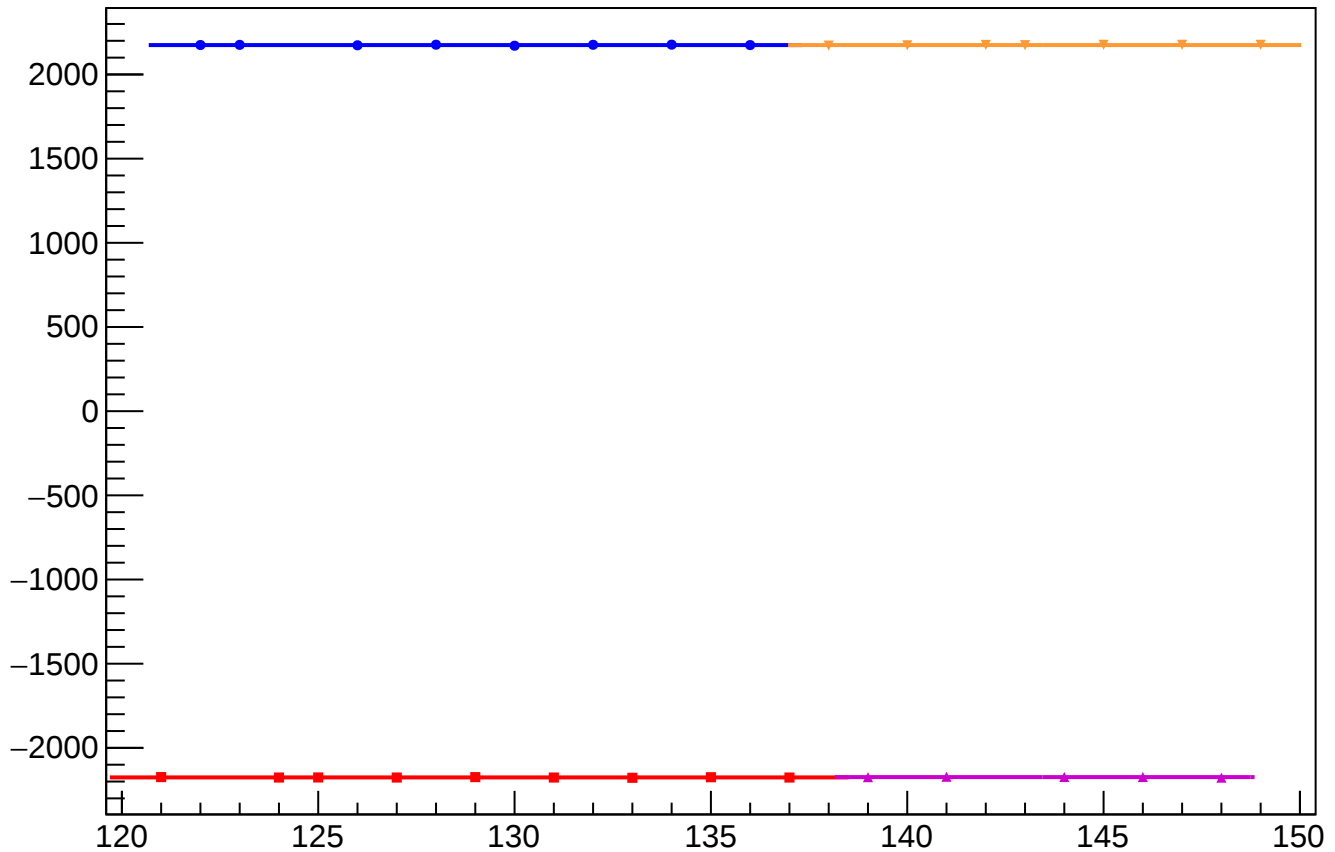
Left In: -88.021+/-0.000 χ^2/NDF : 273842.0/4

88.794+/-0.000 χ^2/NDF : 774609776572608596

6.884+/-0.000 χ^2/NDF : 12486988673981

-88.863+/-0.000 χ^2/NDF : 67782305468707520

HALLA_p_mean vs Slug, Sign Corrected



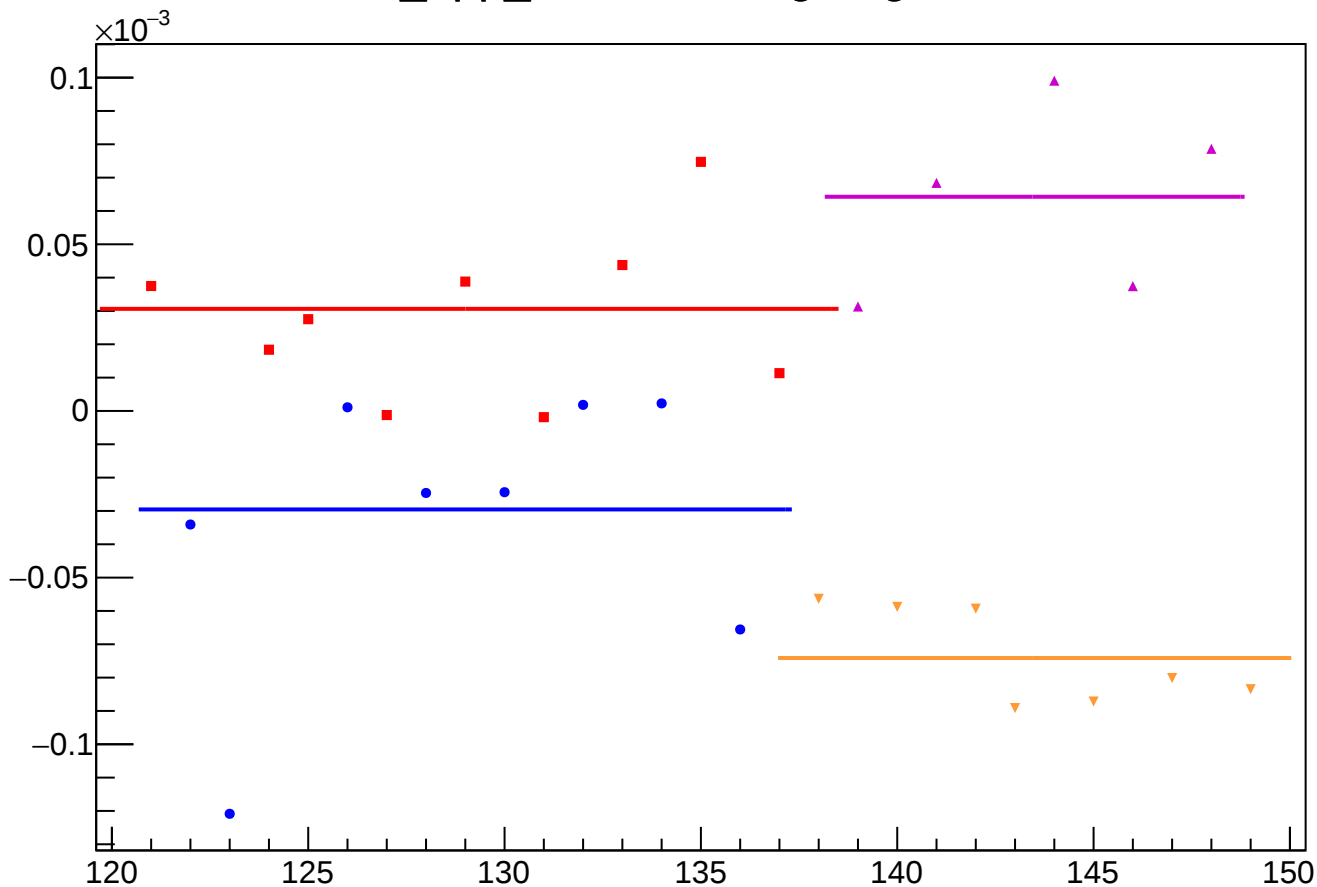
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.646 $\pm$ 0.000 χ^2 /NDF: 1585040875574044922523680298237952.0/6

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 : 93069744622138931806208.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

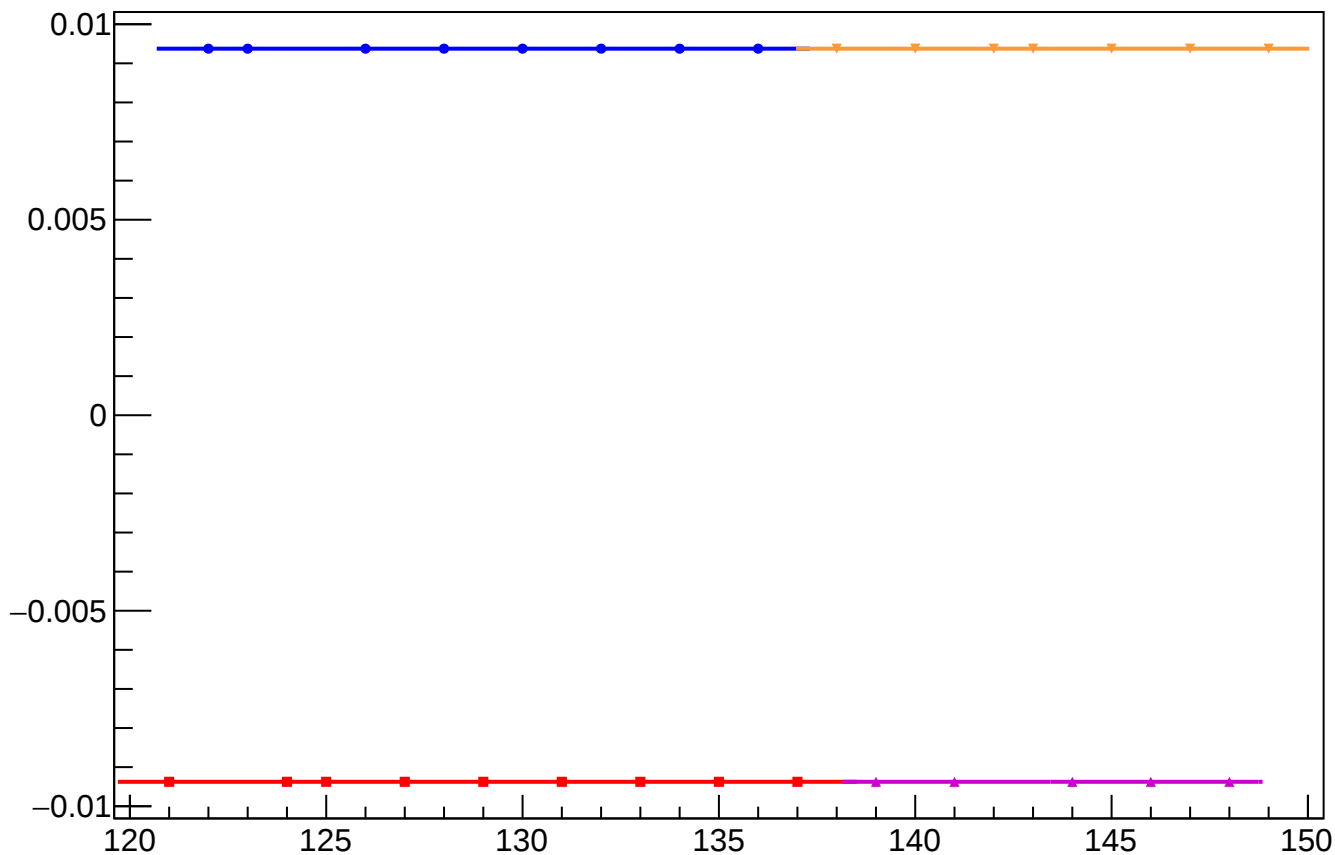
Left In: 0.000+/-0.000 χ^2/NDF : 266728772397961784066048.0/4

-0.000+/-0.000 χ^2/NDF : 751777584384157667

-0.000+/-0.000 χ^2/NDF : 58634454208902

0.000+/-0.000 χ^2/NDF : 6674270049043199641

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/6

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

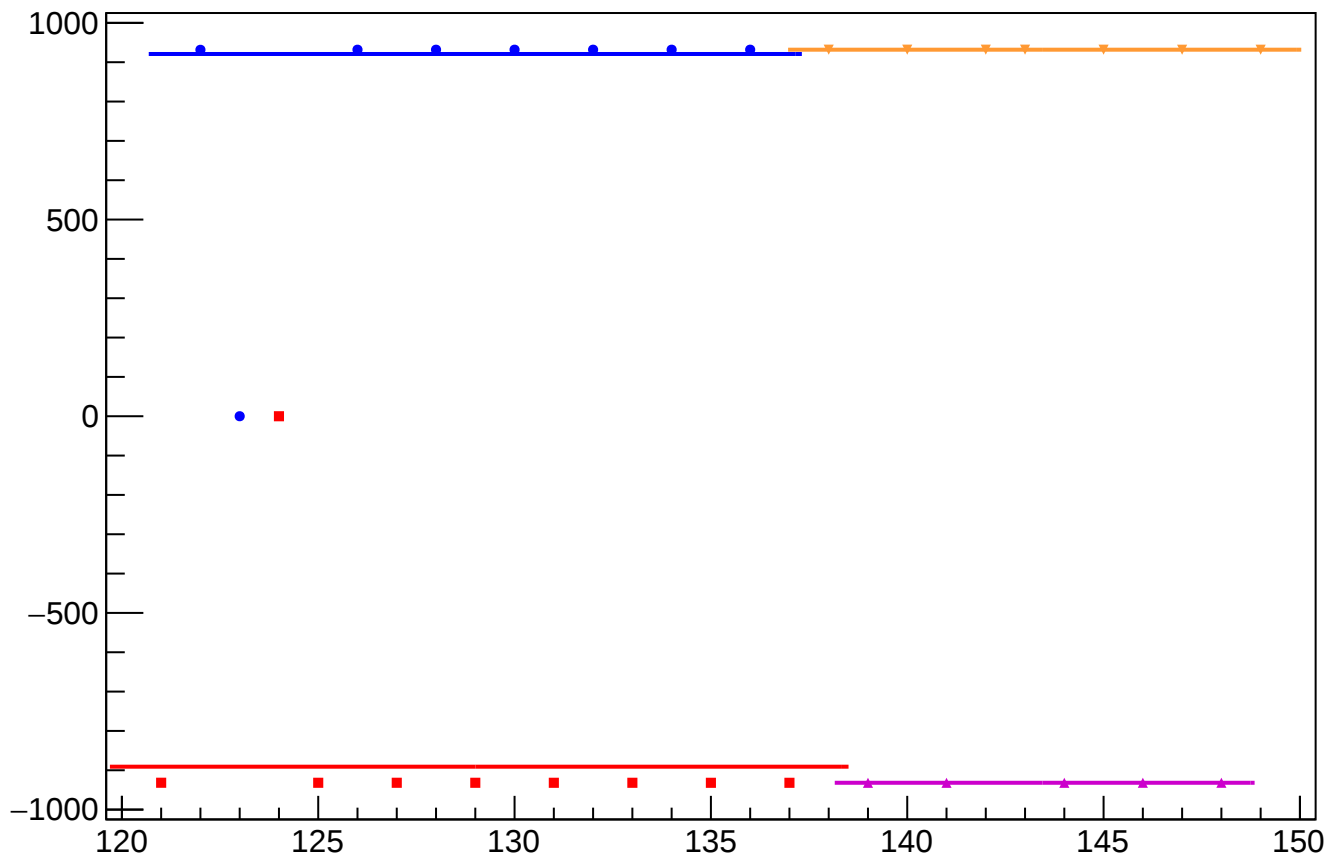
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/4

0.009+/-0.000 χ^2/NDF : 0.1/14

0.001+/-0.000 χ^2/NDF : 13907300172738

-0.009+/-0.000 χ^2/NDF : 0.1/13

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



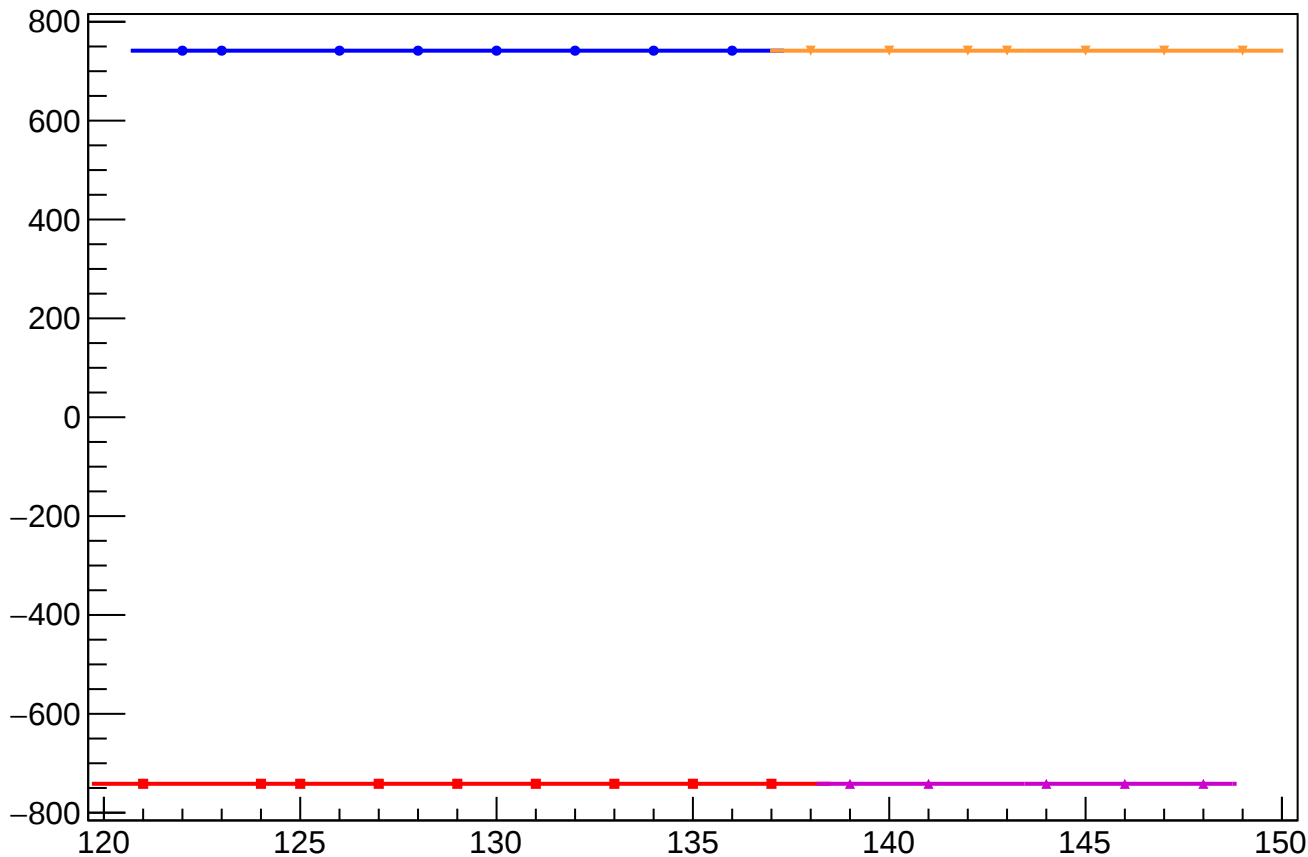
Right In: 920.898 ± 0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.825 ± 0.000 χ^2/NDF : 1926215169791693797859398778880.0/6

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



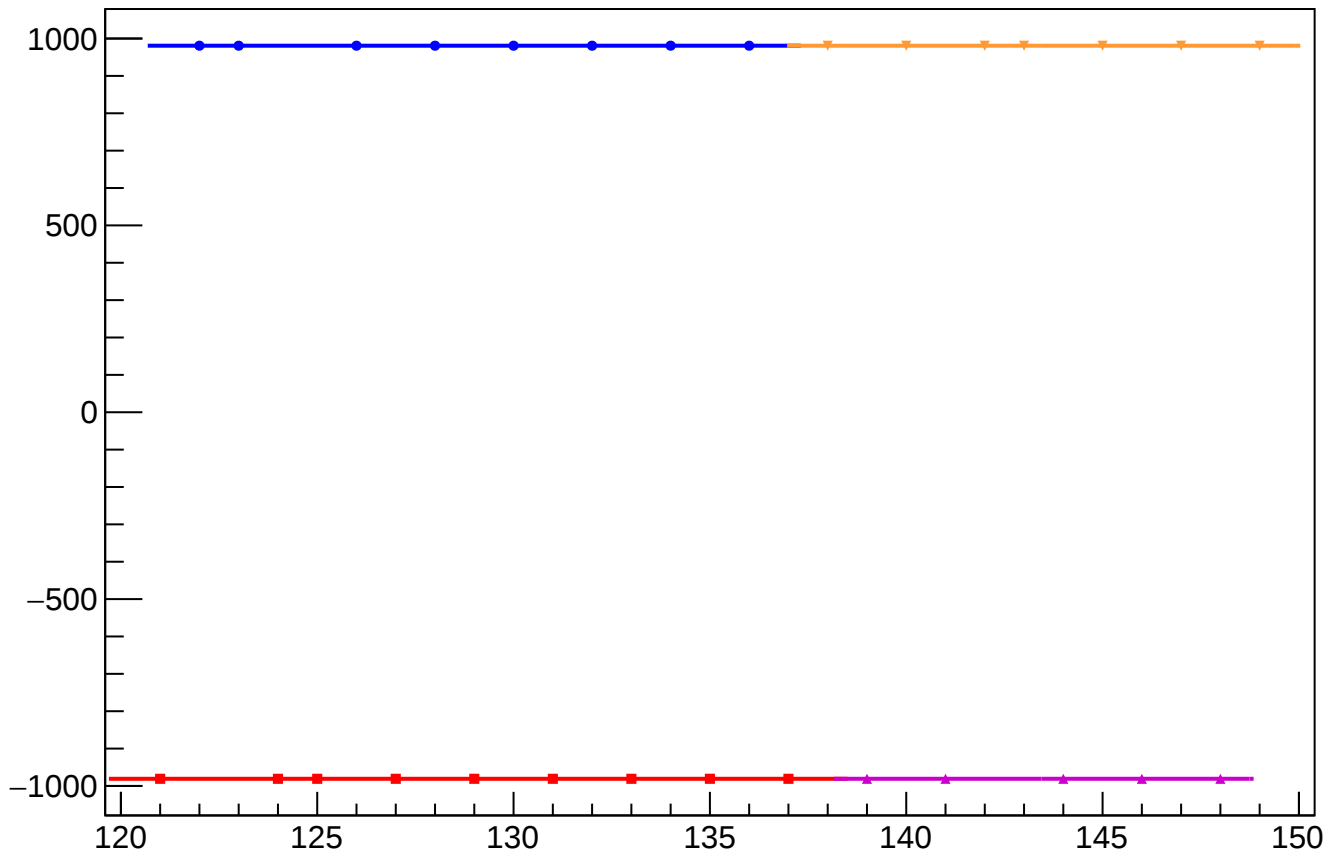
Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.527+/-0.000 χ^2/NDF : 31228993399726014741.527+/-0.000

Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

Left In: -741.528+/-0.000 χ^2/NDF : 23089743095610826416268197237722145143914496.0/4

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



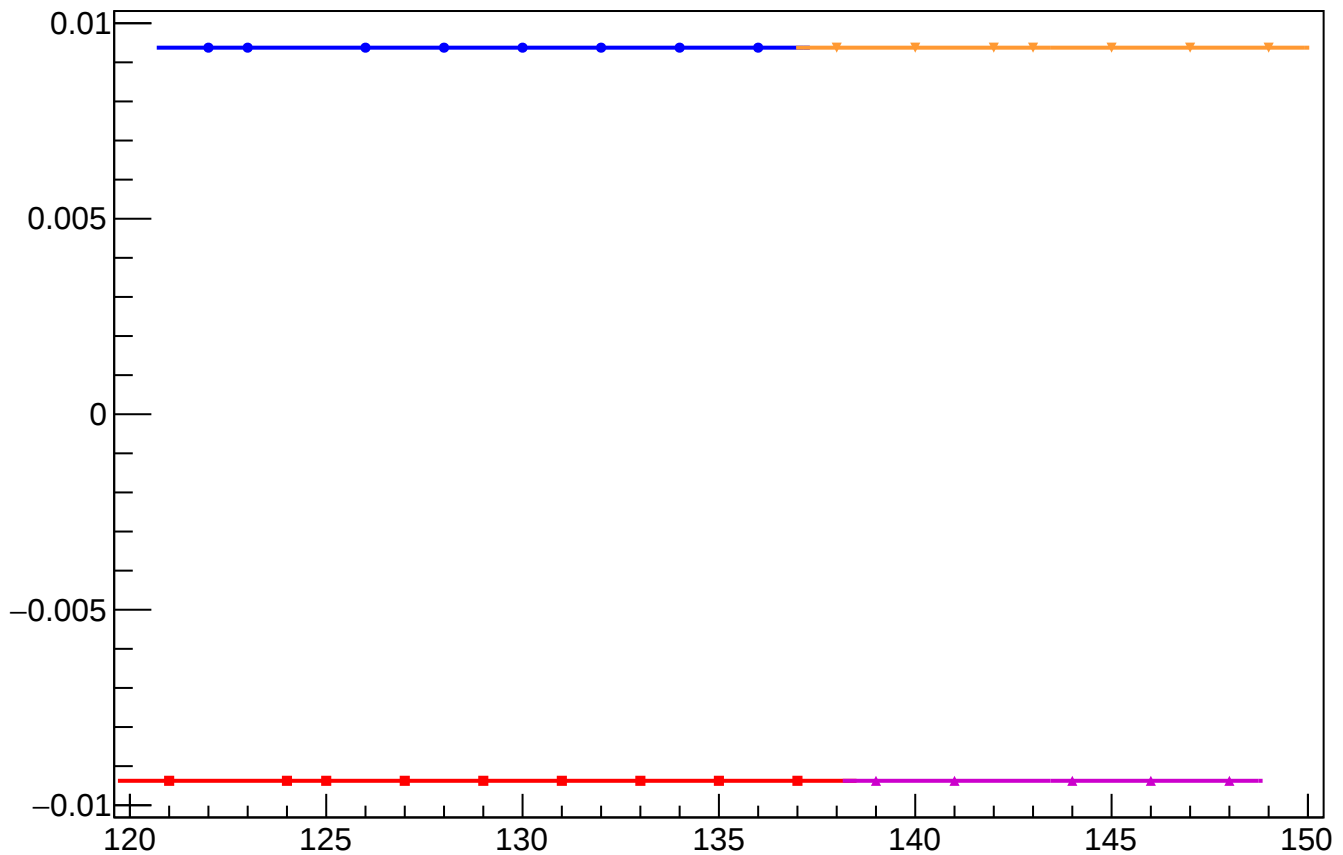
Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.782+/-0.000 χ^2/NDF : 421183015668172247943484538880.0/6

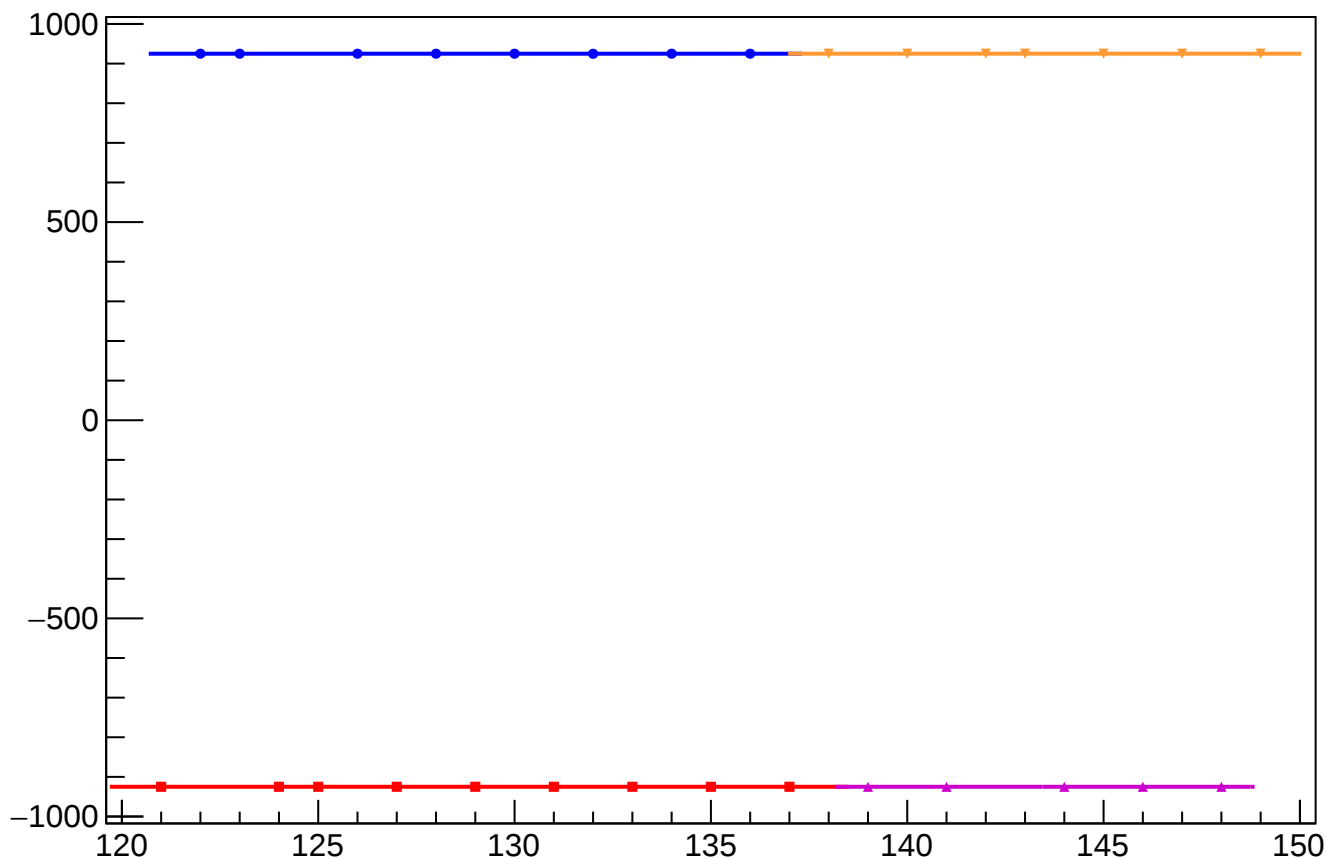
Right Out: -980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: -980.796+/-0.000 χ^2/NDF : 688435529791217590656823197696.0/4

MQ172RM_mean vs Slug, Sign Corrected



HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.997+/-0.000 χ^2/NDF : 338588067384200117178771439616.0/6

Right Out: -924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

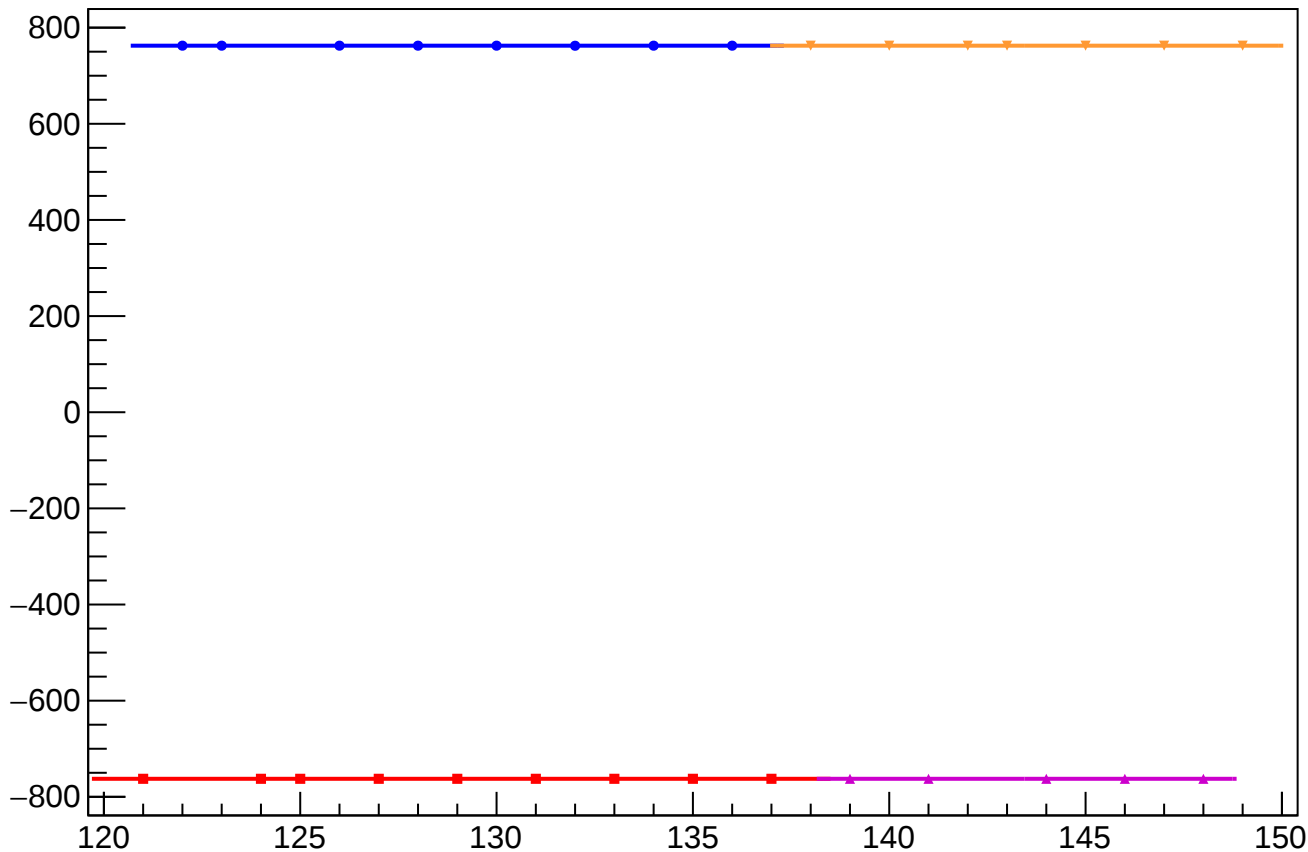
Left In: -924.992+/-0.000 χ^2/NDF : 158885081469066171006891065344.0/4

924.974+/-0.000 χ^2/NDF : 24171703954159378

72.044+/-0.000 χ^2/NDF : 1353818851717

-924.977+/-0.000 χ^2/NDF : 4470373470009827

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.495+/-0.000 χ^2/NDF : 49233055719933441366162407424.0/6

Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

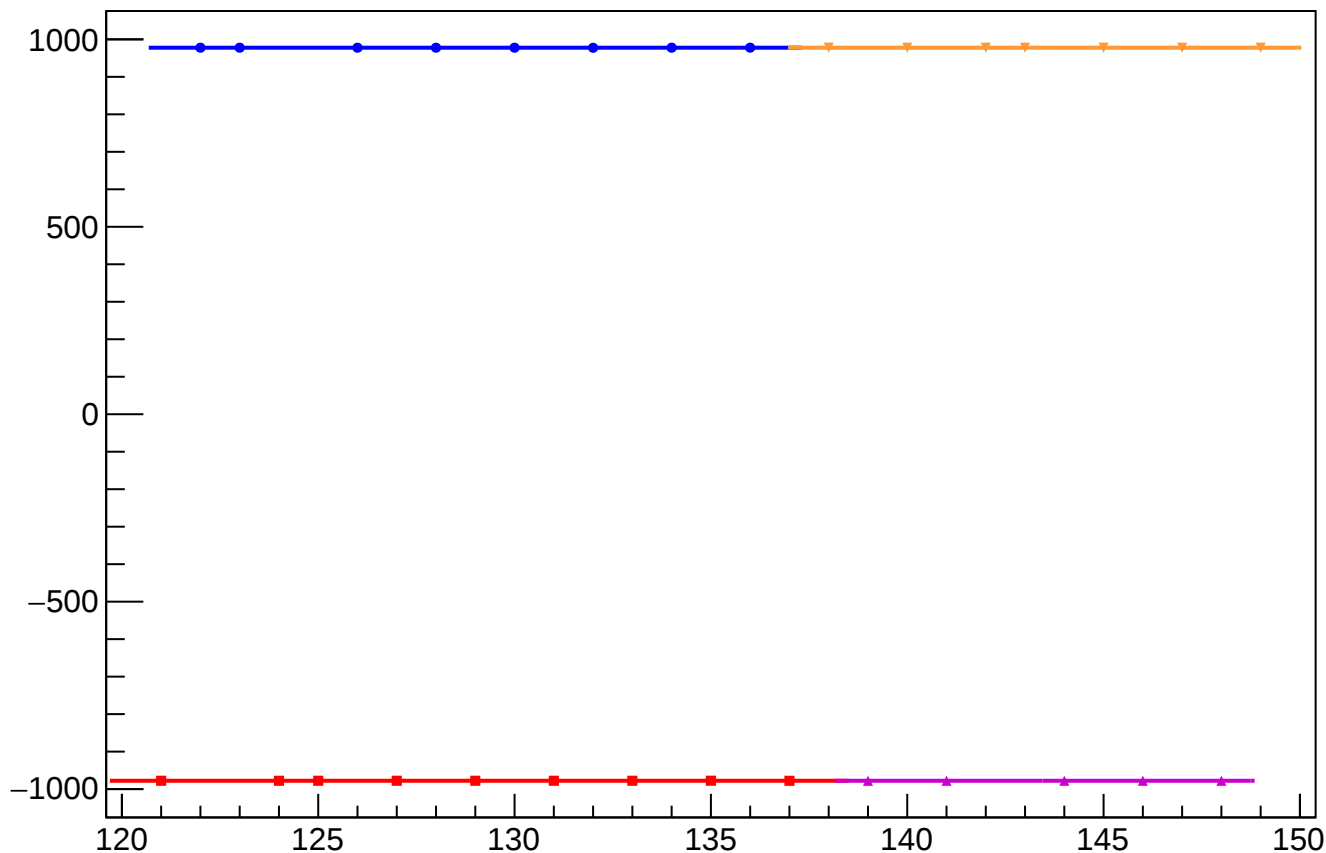
Left In: -762.496+/-0.000 χ^2/NDF : 40283845286416777535824068608.0/4

762.490+/-0.000 χ^2/NDF : 85936775363176983

59.386+/-0.000 χ^2/NDF : 9199698917774

-762.499+/-0.000 χ^2/NDF : 4476140576511977

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.765+/-0.000 χ^2/NDF : 546915972018883027510738550784.0/6

Right Out: -977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

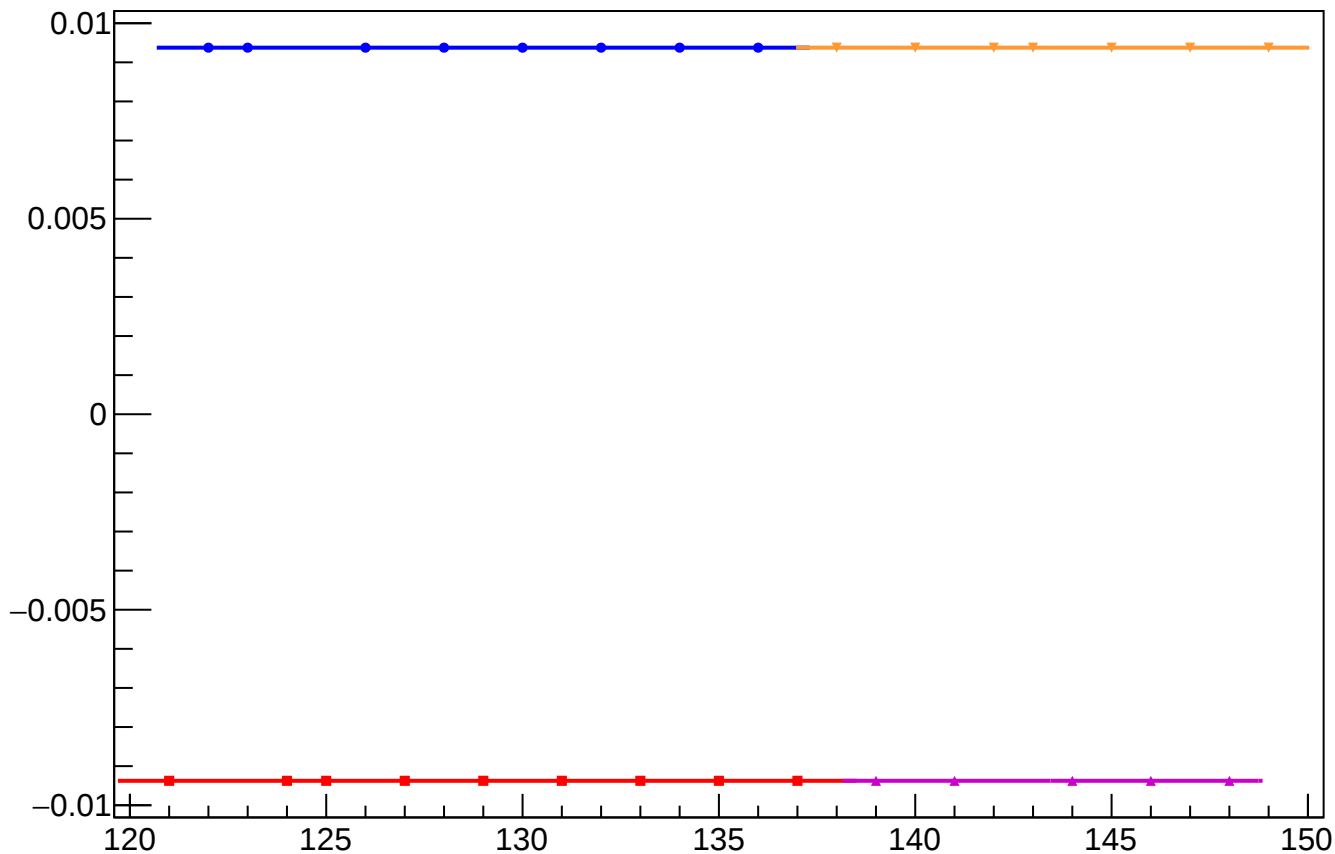
Left In: -977.759+/-0.000 χ^2/NDF : 590926825090797122022860128256.0/4

977.756+/-0.000 χ^2/NDF : 24085241342832962

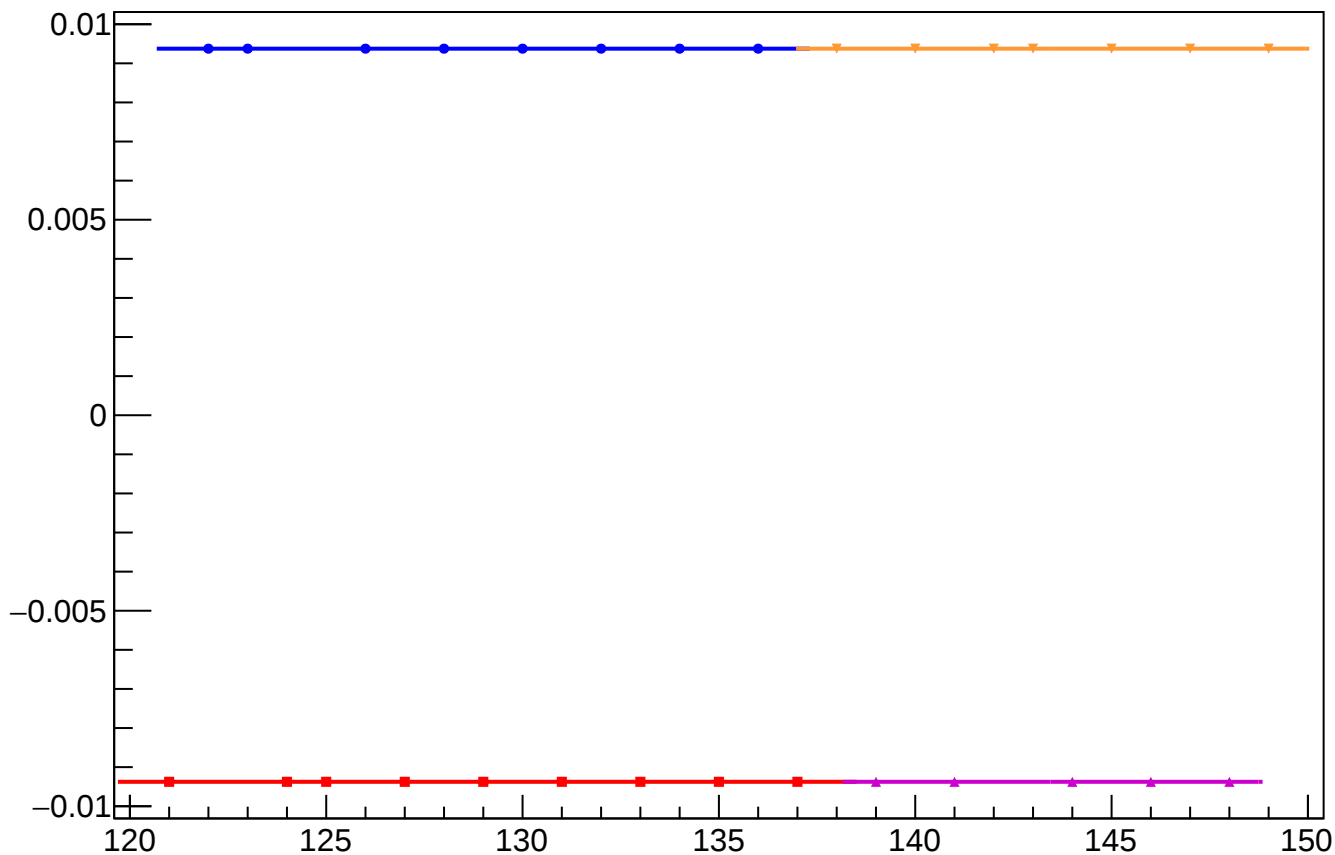
76.160+/-0.000 χ^2/NDF : 1512719011531

-977.750+/-0.000 χ^2/NDF : 1454736283778333

hesDipole_current_mean vs Slug, Sign Corrected



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 : 0.0/6

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

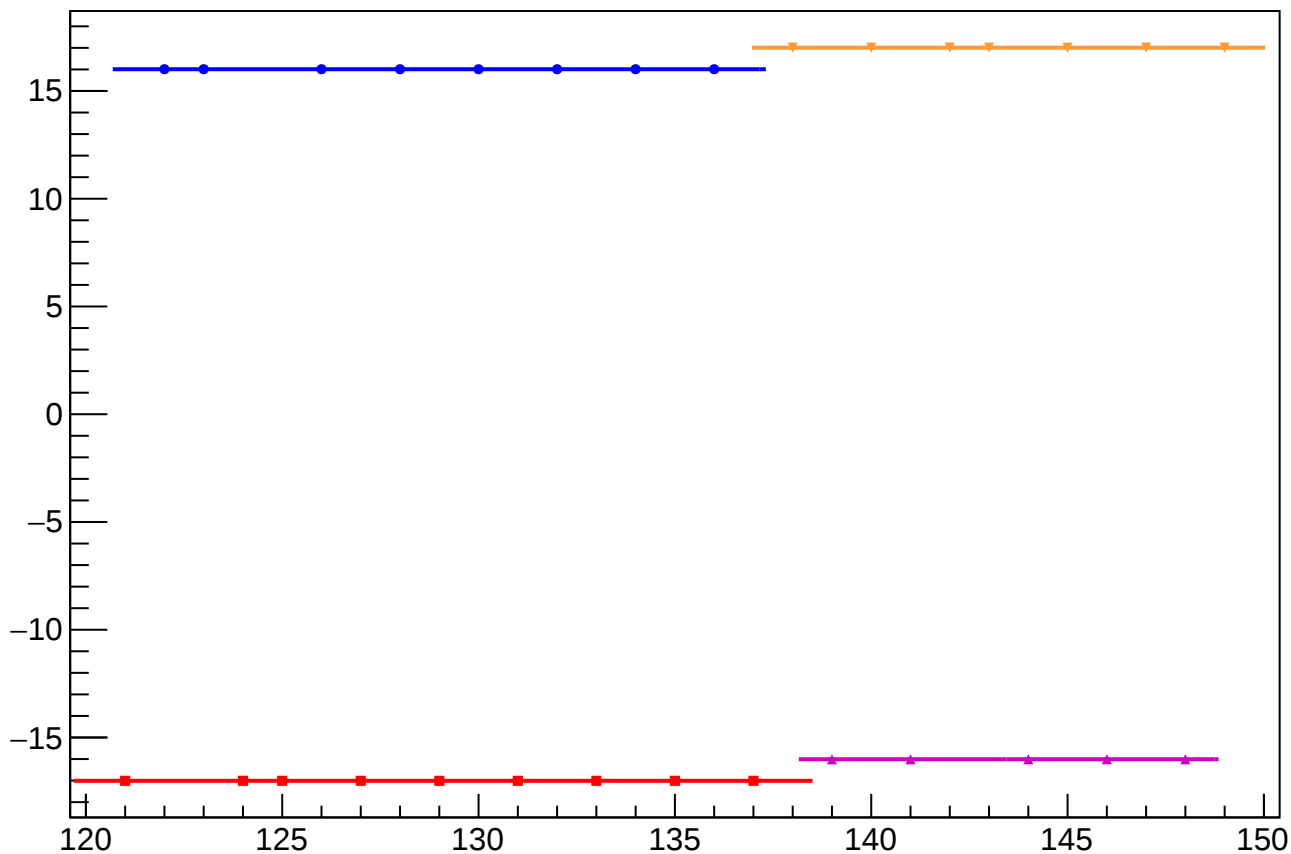
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/4

0.009+/-0.000 χ^2/NDF : 0.1/14

0.001+/-0.000 χ^2/NDF : 13907300172738

-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 : 4403417464622641215176704.0/6

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

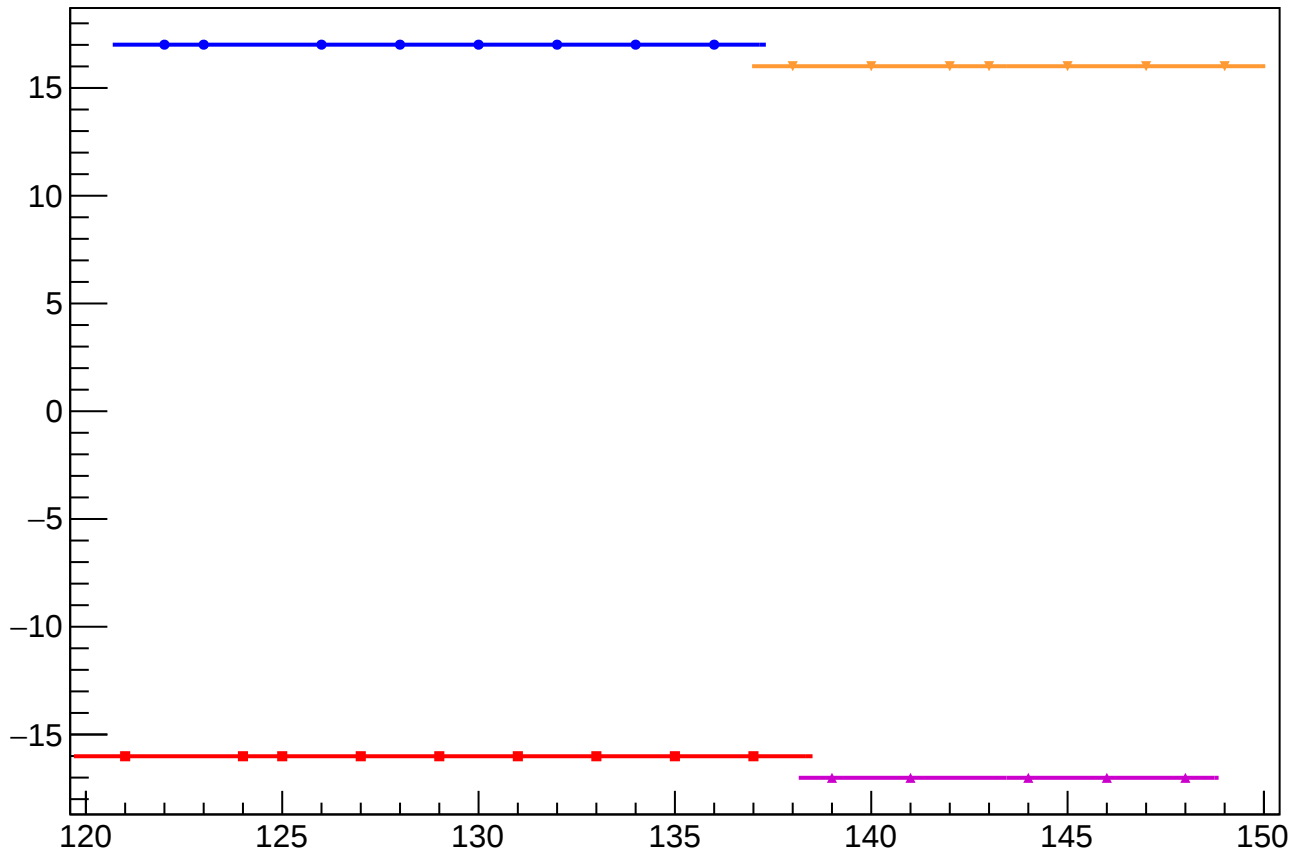
Left In: -16.009+/-0.000 χ^2/NDF : 15701.5/4

16.608+/-0.000 χ^2/NDF : 189052932521667108

1.085+/-0.000 χ^2/NDF : 40412240721902

-16.443+/-0.000 χ^2/NDF : 17110174206187796

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 : 17266.6/6

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

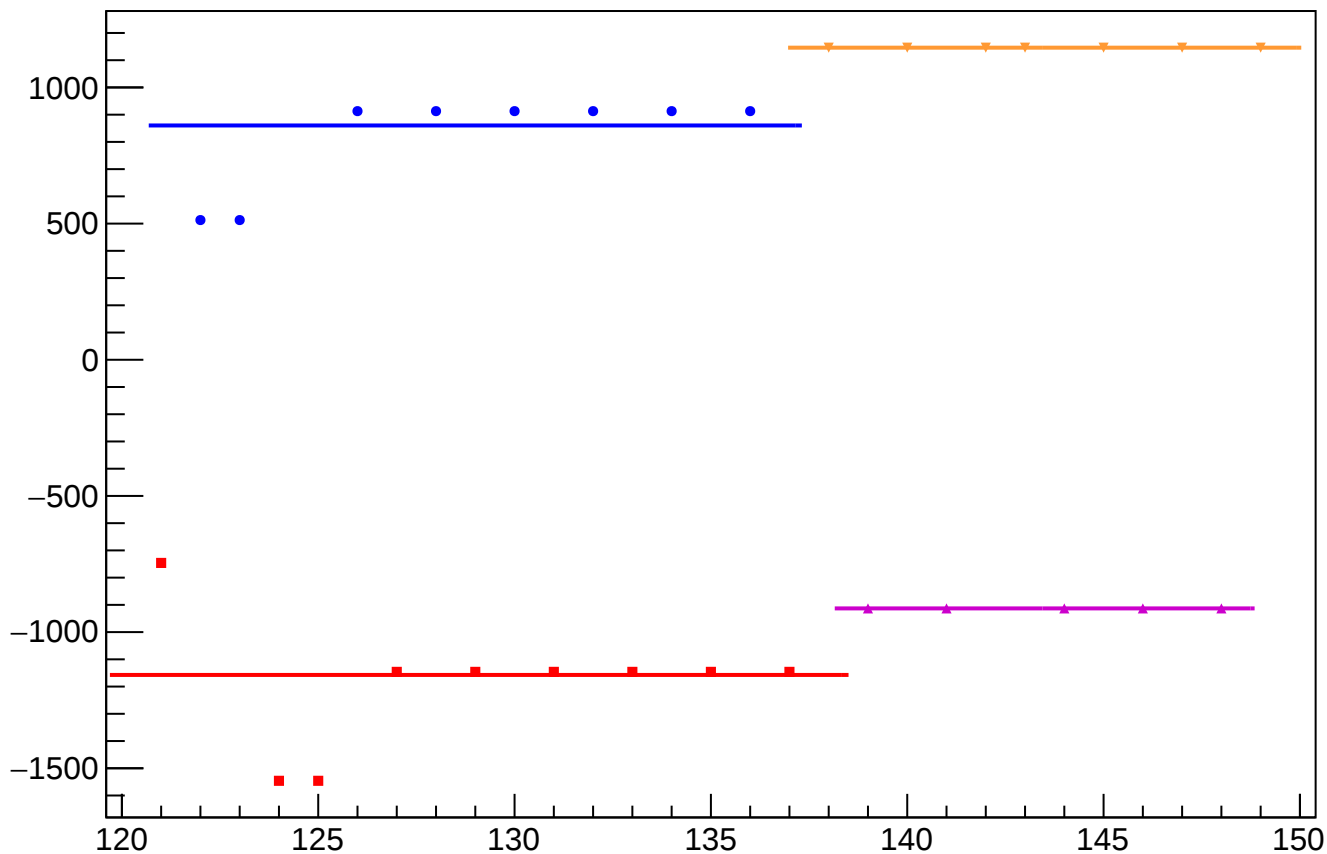
Left In: -17.009+/-0.000 χ^2/NDF : 5843.9/4

16.412+/-0.000 χ^2/NDF : 204395294117642497

1.126+/-0.000 χ^2/NDF : 42896508334270

-16.575+/-0.000 χ^2/NDF : 18036103542232667

RTPAPOSUCNT_mean vs Slug, Sign Corrected



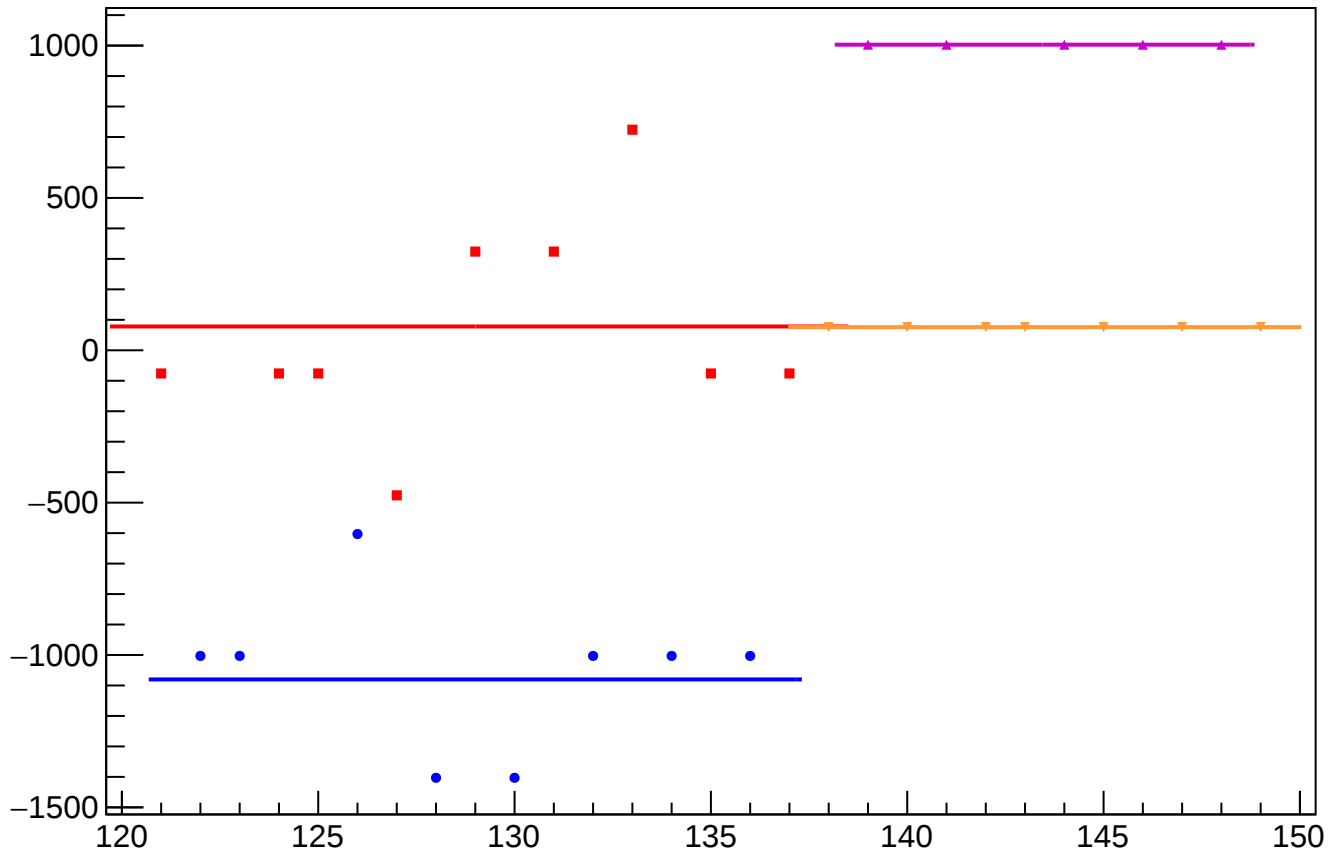
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 2002119584020016723361005568.0/6

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+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000 χ^2/NDF : 2642194520450099076585750528.0/6

Right Out: 78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.989+/-0.000 χ^2/NDF : 668348491637397899523915776.0/4