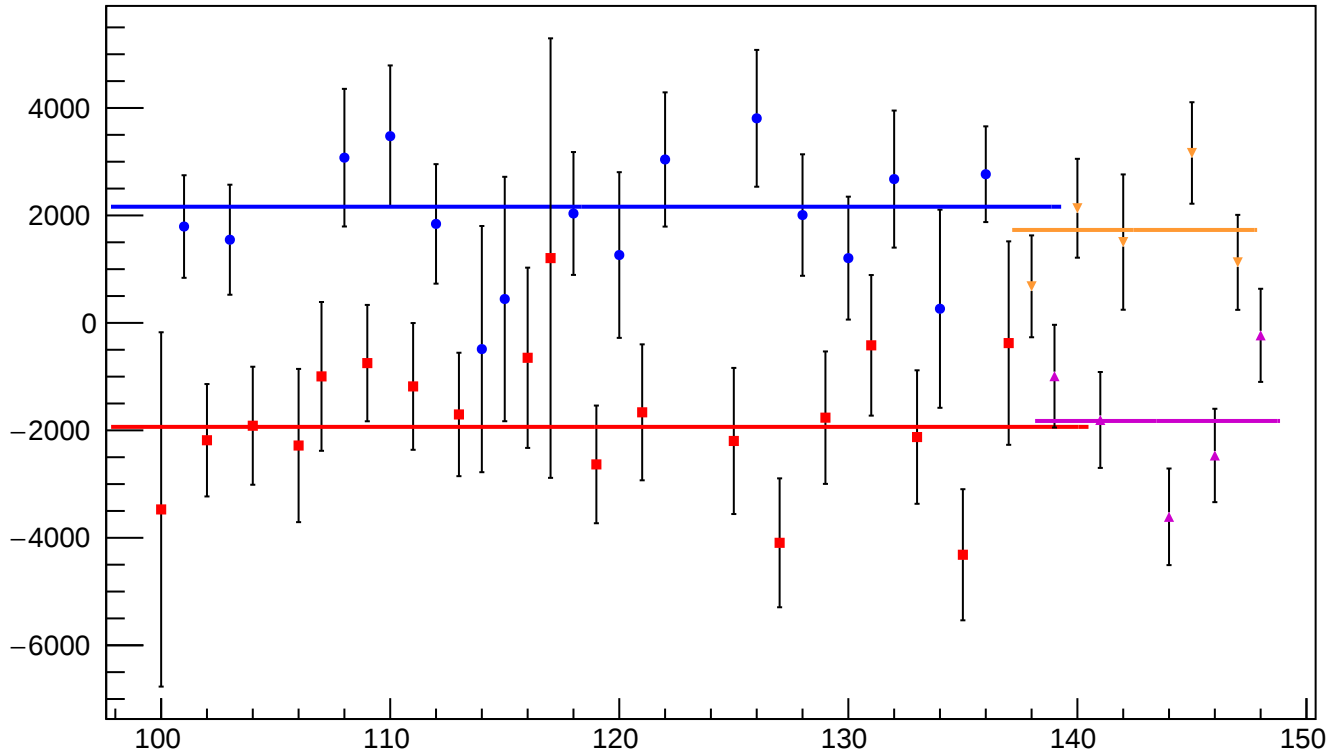


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

2017.643+/-250.677

χ^2/NDF : 13.8/20

Left Out: 1729.973+/-433.352

χ^2/NDF : 4.2/4

Right Out: -1935.183+/-299.773

χ^2/NDF : 13.2/18

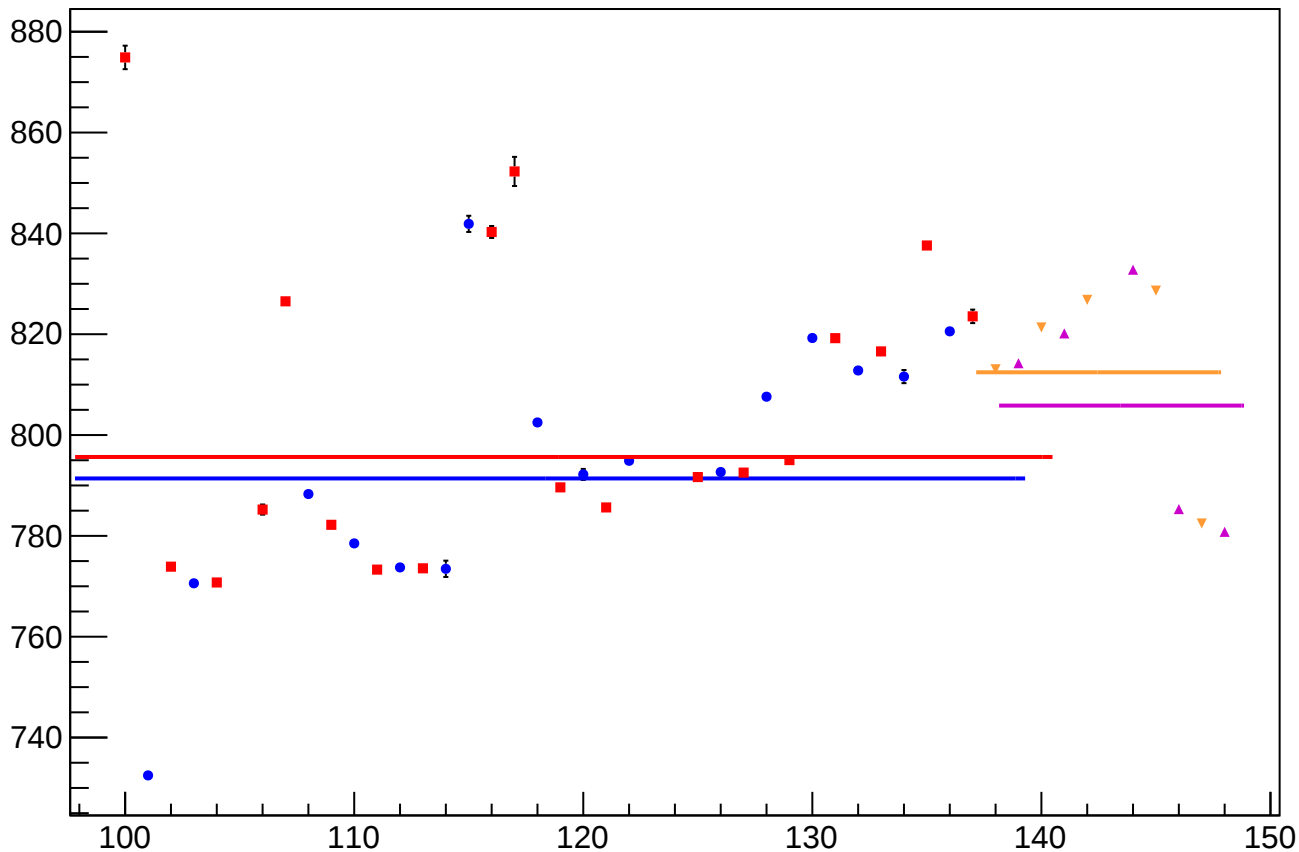
-1895.617+/-239.922

χ^2/NDF : 21.9/23

Left In: -1825.107+/-400.177

χ^2/NDF : 8.6/4

reg_asym_us_avg_rms vs Slug



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

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

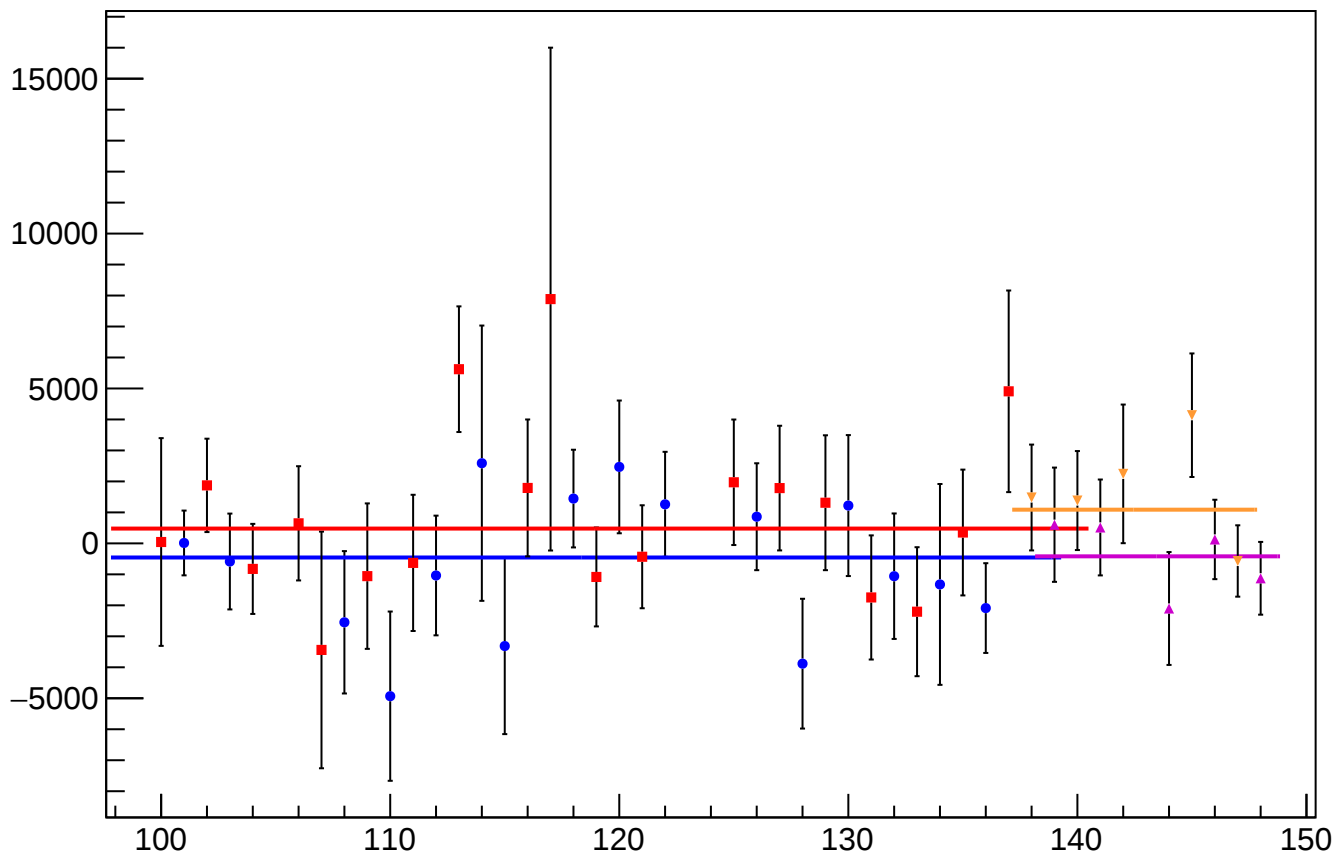
Right Out: 795.650 ± 0.212 χ^2/NDF : 11945.4/18

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

798.437 ± 0.177 χ^2/NDF : 21489.3/20

799.314 ± 0.170 χ^2/NDF : 18030.7/23

asym_us_avg_correction_mean vs Slug



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

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

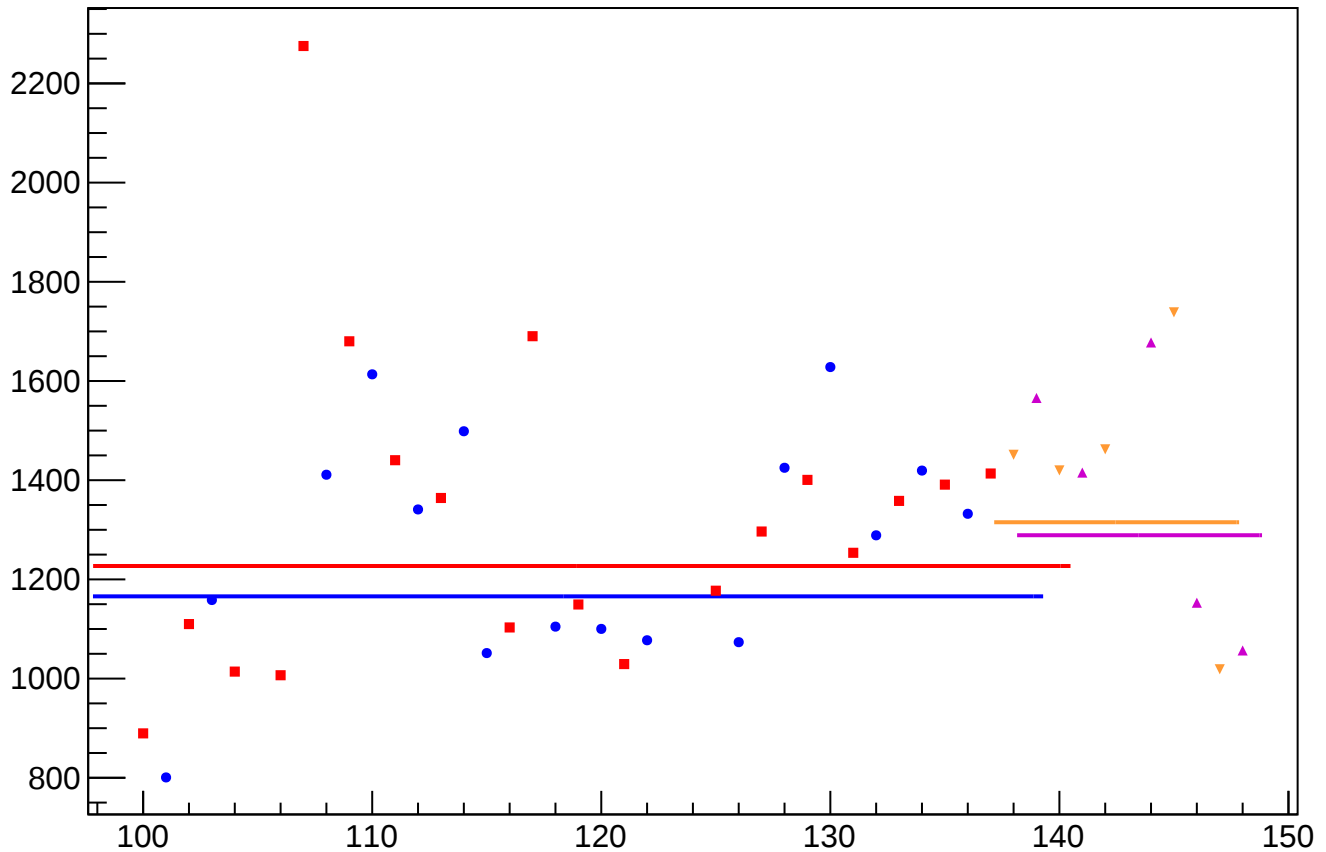
Right Out: 477.782+/-471.960 χ^2/NDF : 18.2/18

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

-0.752+/-389.852 χ^2/NDF : 22.9/20

170.169+/-382.473 χ^2/NDF : 21.5/23

asym_us_avg_correction_rms vs Slug



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

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

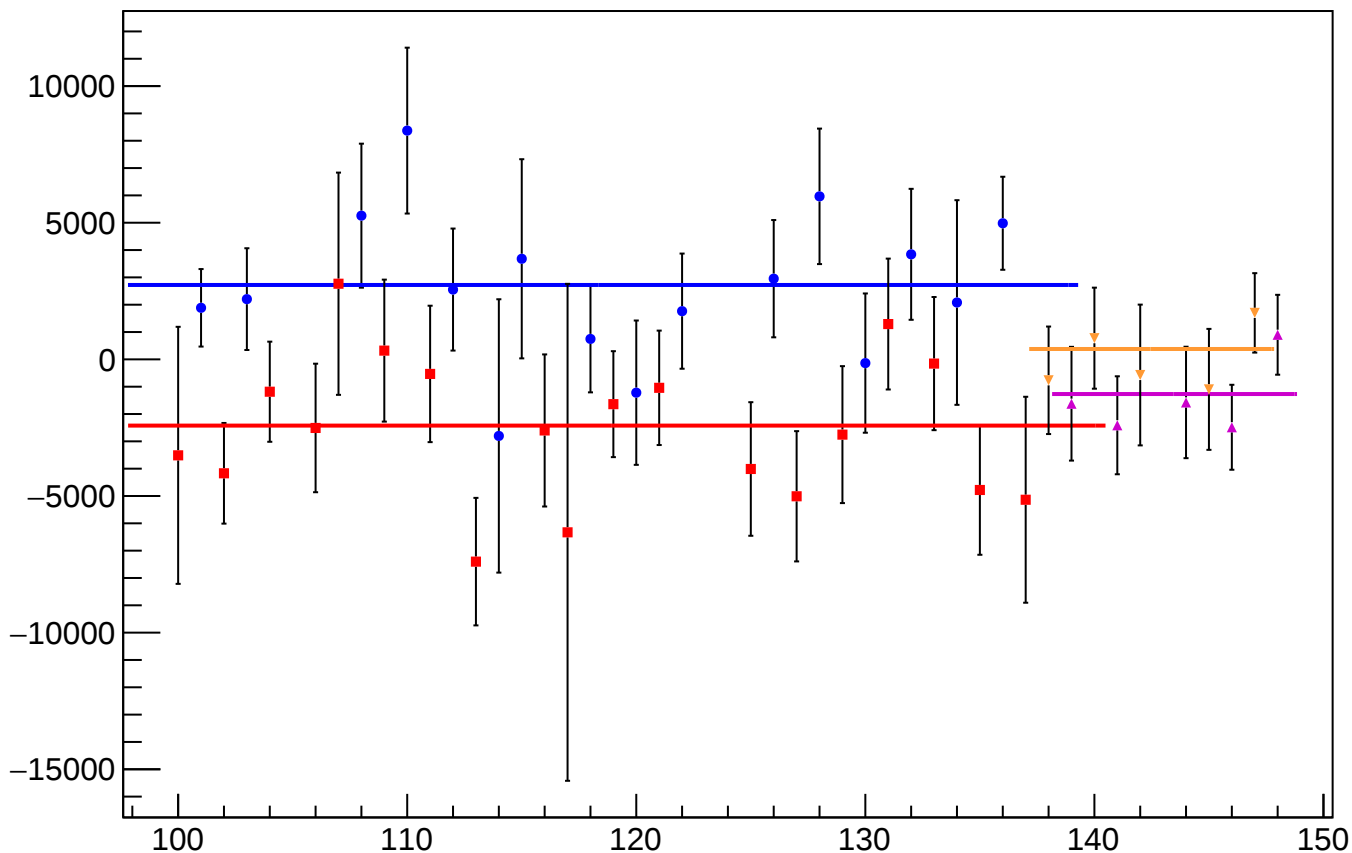
Right Out: 1227.021 $\pm$ 0.334 χ^2 /NDF: 446961.2/18

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

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

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

asym_us_avg_mean vs Slug



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

Left Out: 379.740+/-851.406 χ^2/NDF : 1.8/4

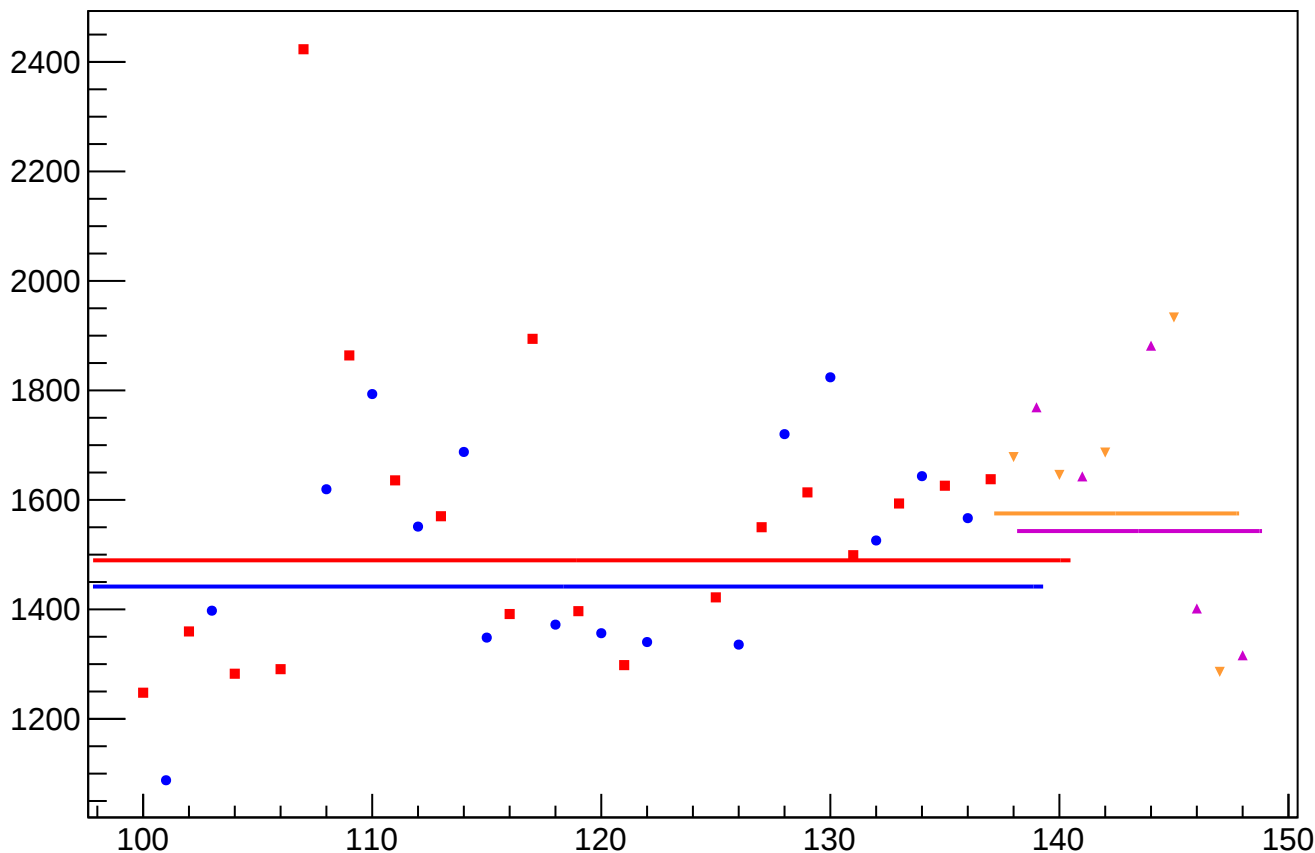
Right Out: -2423.739+/-567.866 χ^2/NDF : 16.5/18

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

2002.310+/-472.015 χ^2/NDF : 21.6/20

-2020.299+/-458.080 χ^2/NDF : 21.2/23

asym_us_avg_rms vs Slug



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

Left Out: 1575.257+/-0.602 χ^2/NDF :143738.6/4

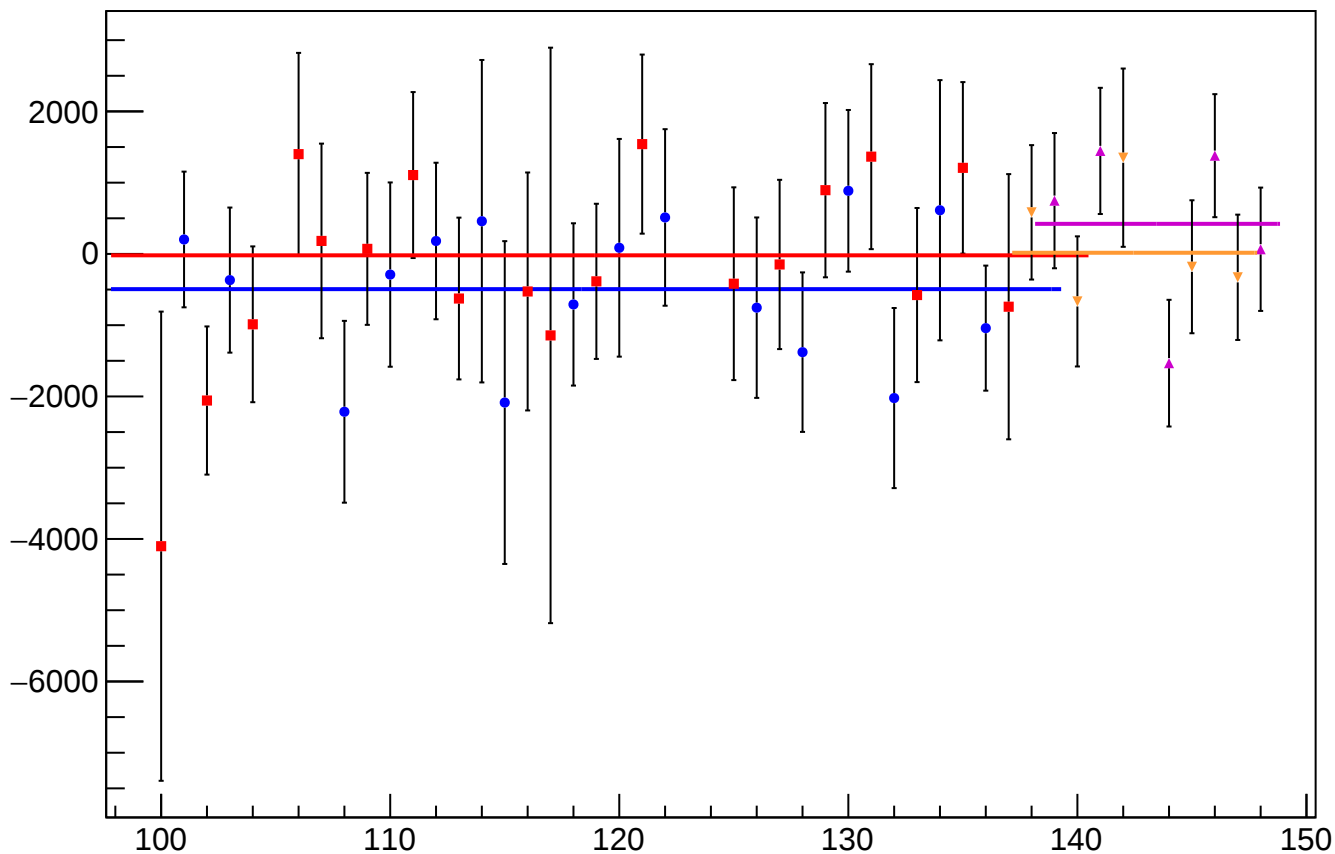
Right Out: 1489.610+/-0.402 χ^2/NDF : 260116.0/18

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

1482.763+/-0.334 χ^2/NDF : 453719.1/20

1508.285+/-0.324 χ^2/NDF : 416035.3/23

reg_asym_us_dd_mean vs Slug



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

Left Out: 16.338+/-430.151 χ^2/NDF : 2.3/4

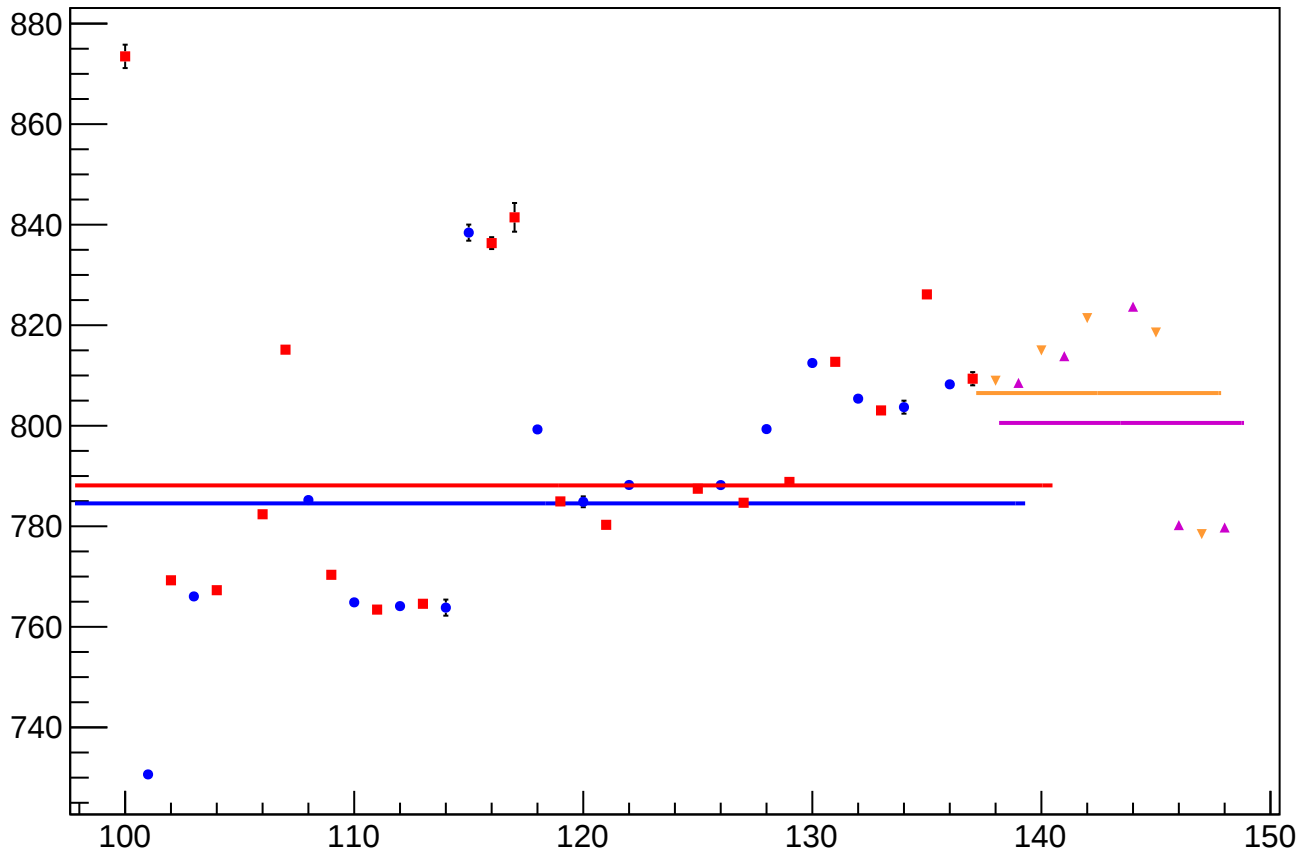
Right Out: -19.622+/-296.930 χ^2/NDF : 13.4/18

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

-323.677+/-248.610 χ^2/NDF : 11.8/20

138.592+/-237.890 χ^2/NDF : 21.9/23

reg_asym_us_dd_rms vs Slug



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

Left Out: 806.505 ± 0.304 χ^2/NDF : 2840.5/4

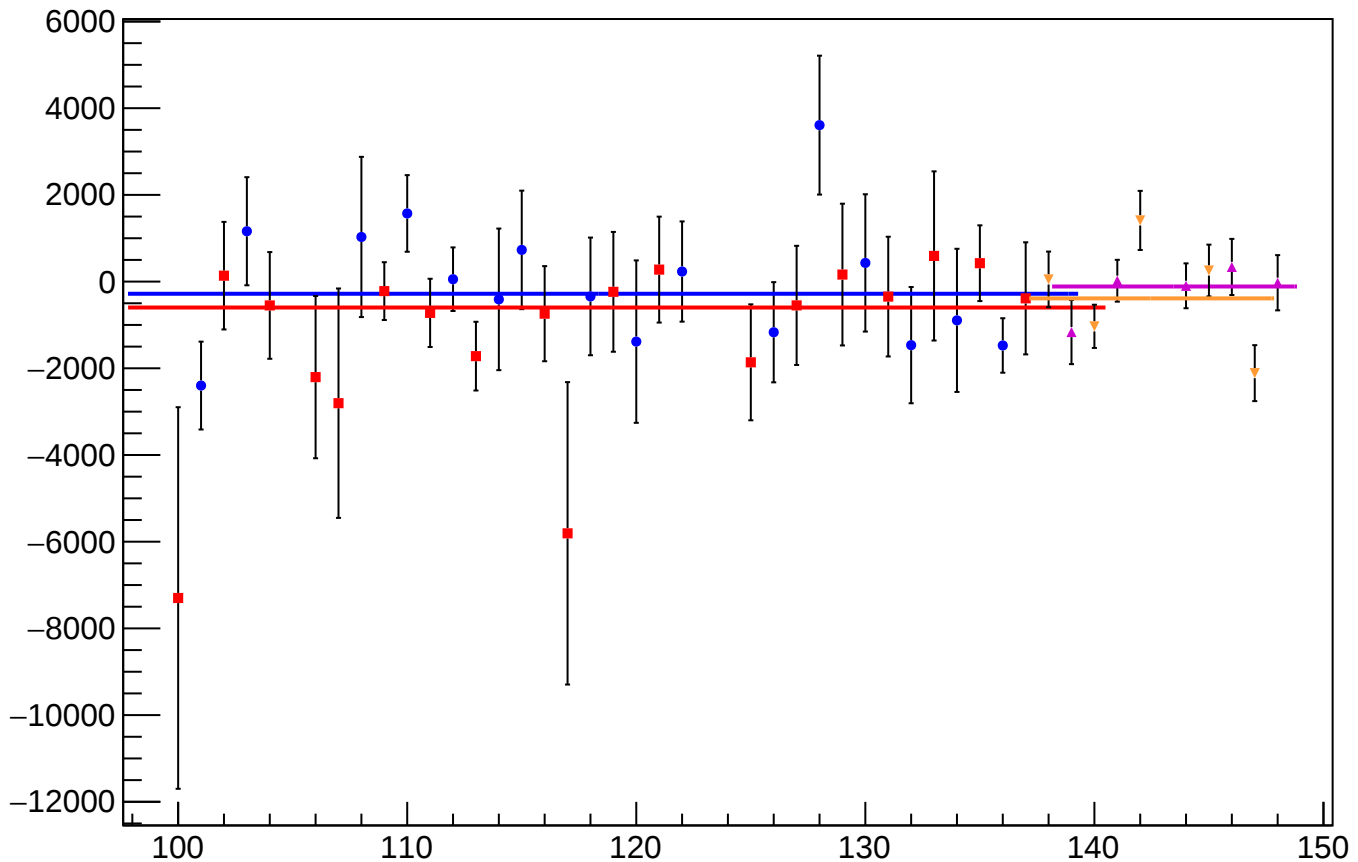
Right Out: 788.134 ± 0.210 χ^2/NDF : 11259.7/18

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

791.889 ± 0.176 χ^2/NDF : 19985.4/20

792.585 ± 0.168 χ^2/NDF : 16722.5/23

asym_us_dd_correction_mean vs Slug



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

Left Out: -387.268 ± 269.106 χ^2/NDF : 17.4/4

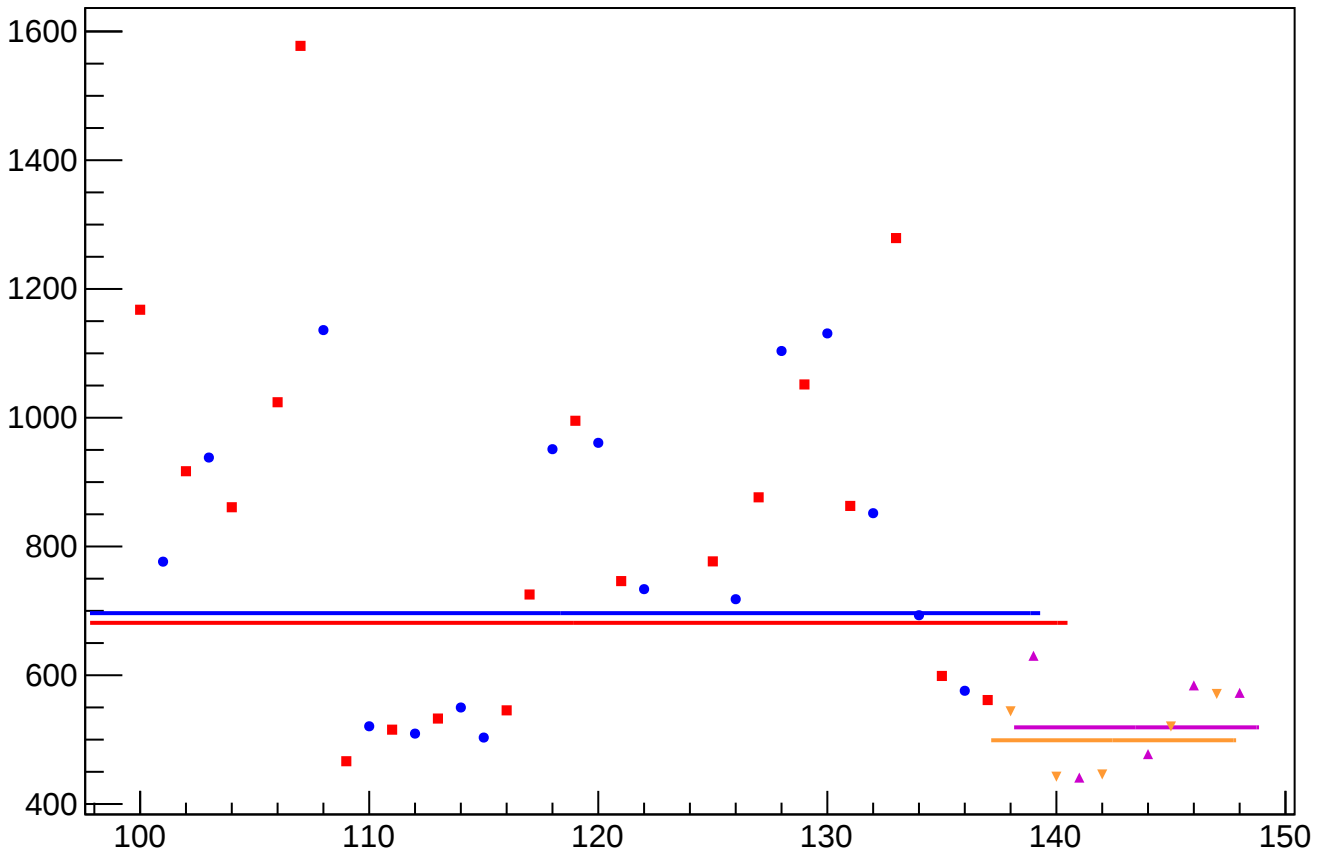
Right Out: -598.108 ± 272.052 χ^2/NDF : 12.2/18

Left In: -112.984 ± 260.750 χ^2/NDF : 2.6/4

-336.538 ± 194.850 χ^2/NDF : 40.6/20

-345.260 ± 188.247 χ^2/NDF : 16.4/23

asym_us_dd_correction_rms vs Slug



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

Left Out: 498.988 ± 0.190 χ^2/NDF : 75112.5/4

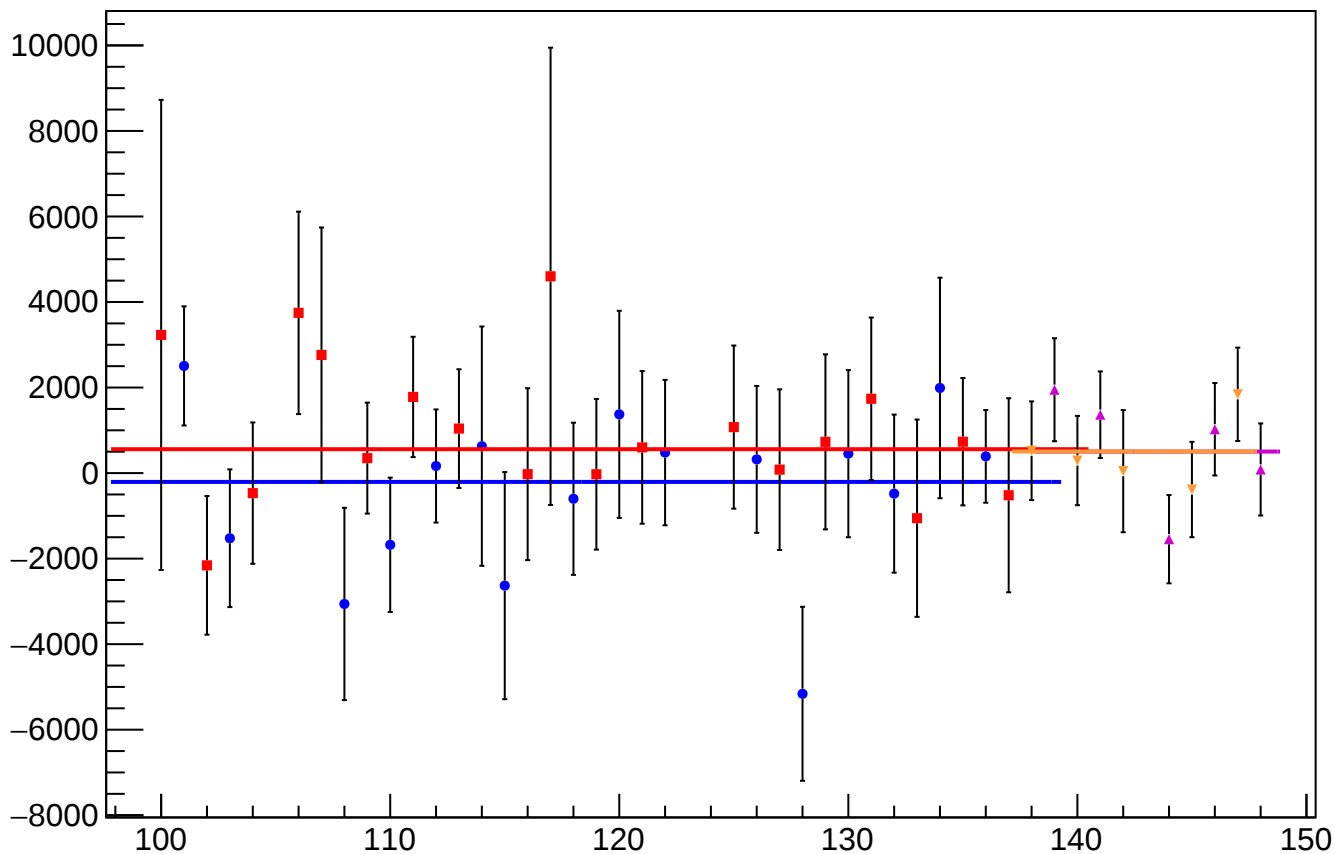
592.932 ± 0.138 χ^2/NDF : 1546949.0/20

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

596.790 ± 0.133 χ^2/NDF : 1868801.1/23

Left In: 519.068 ± 0.184 χ^2/NDF : 144796.9/4

asym_us_dd_mean vs Slug



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

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

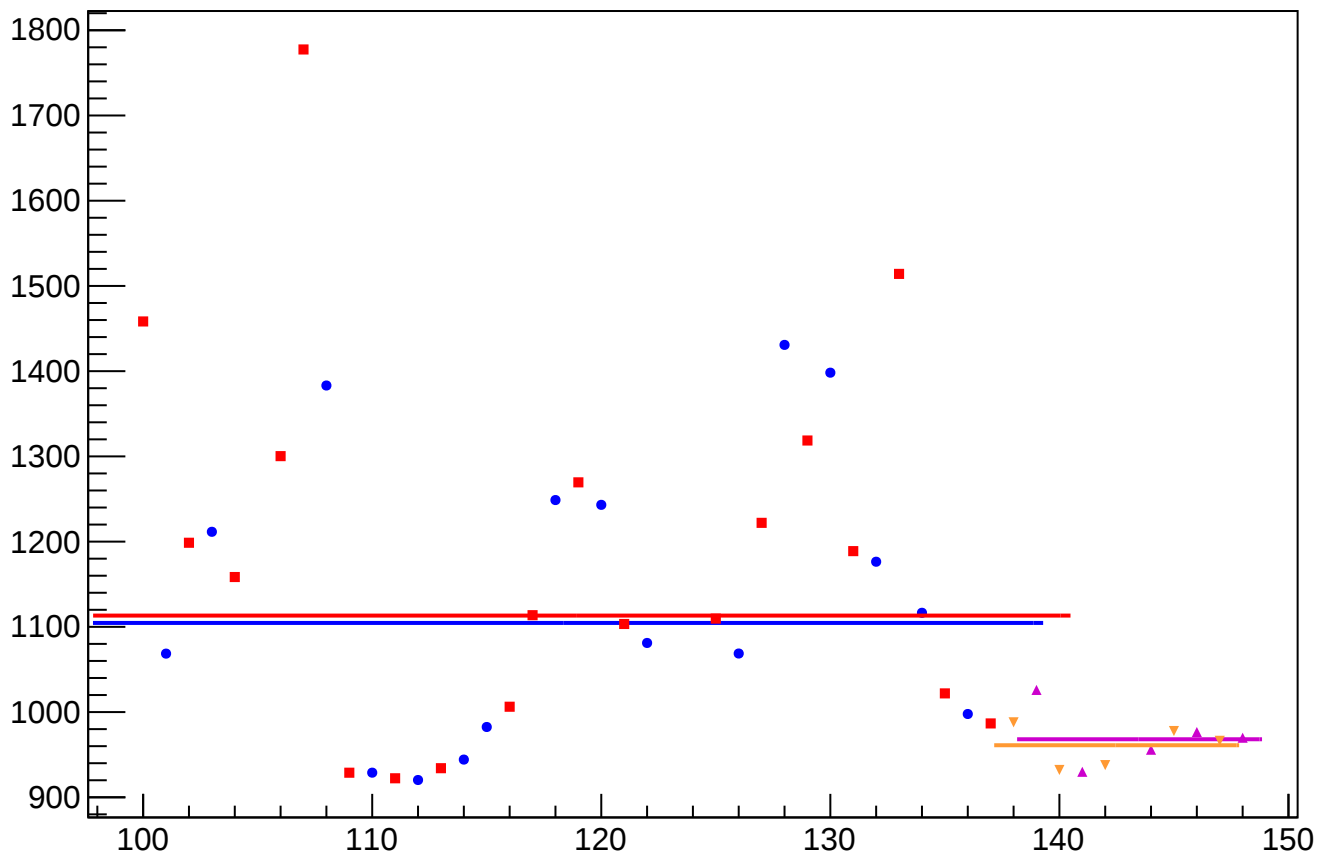
Right Out: 558.638+/-425.771 χ^2 /NDF: 8.7/18

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

90.299+/-331.187 χ^2 /NDF: 19.2/20

534.241+/-318.790 χ^2 /NDF: 15.2/23

asym_us_dd_rms vs Slug



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

Left Out: 961.086+/-0.363 χ^2/NDF : 3654.2/4

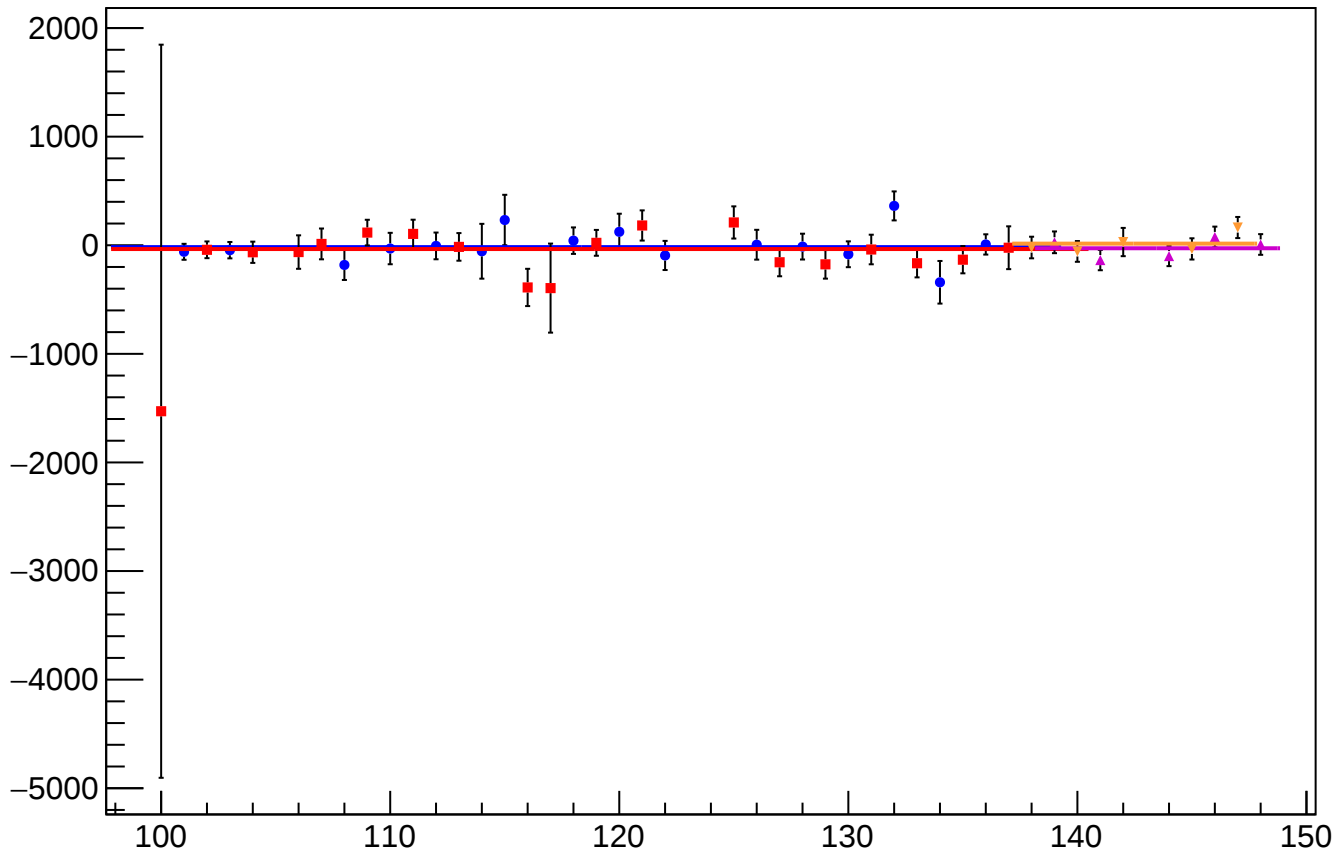
Right Out: 1113.218+/-0.301 χ^2/NDF : 362982.2/18

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

1044.743+/-0.234 χ^2/NDF : 350443.6/20

1049.455+/-0.225 χ^2/NDF : 472945.9/23

reg_asym_ds_avg_mean vs Slug



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

-7.558 $\pm$ 25.064 χ^2 /NDF: 19.2/20

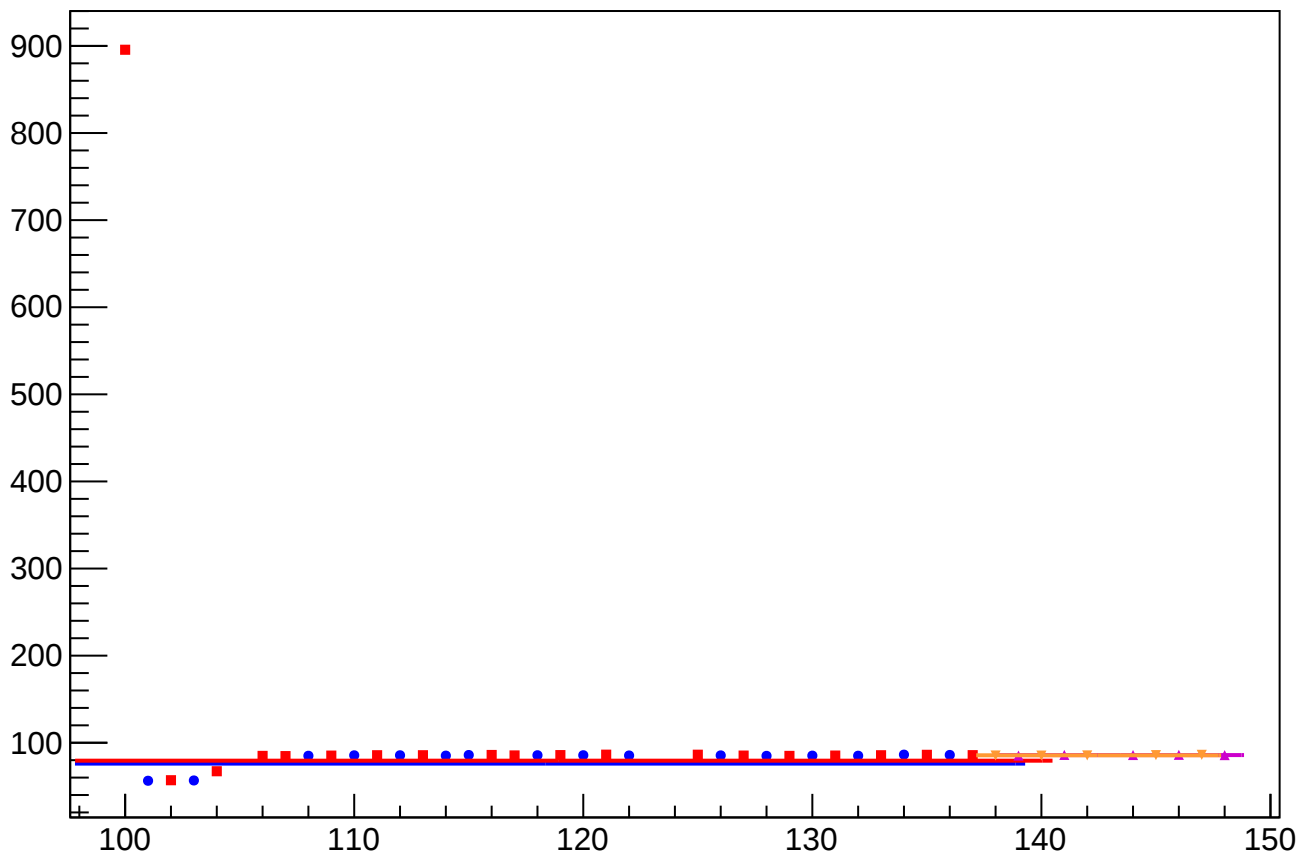
Left Out: 14.871 $\pm$ 45.650 χ^2 /NDF: 3.3/4

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

-32.462 $\pm$ 24.729 χ^2 /NDF: 20.9/23

Left In: -27.707 $\pm$ 42.622 χ^2 /NDF: 3.6/4

reg_asym_ds_avg_rms vs Slug



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

Left Out: 85.608+/-0.032 χ^2/NDF :108.6/4

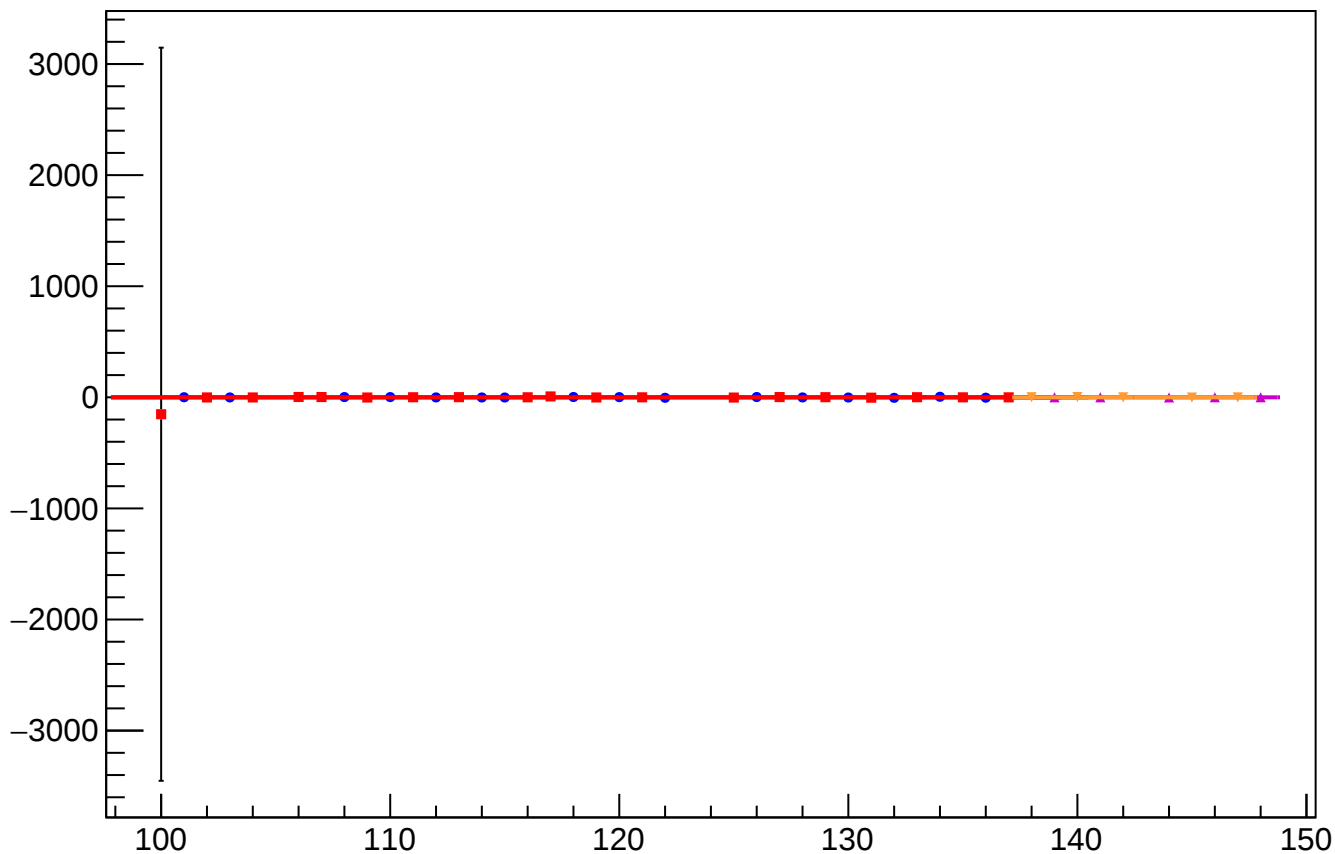
Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

Left In: 85.856+/-0.030 χ^2/NDF :96.6/4

78.952+/-0.018 χ^2/NDF : 470155.1/20

81.589+/-0.017 χ^2/NDF : 409276.0/23

asym_ds_avg_correction_mean vs Slug



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

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

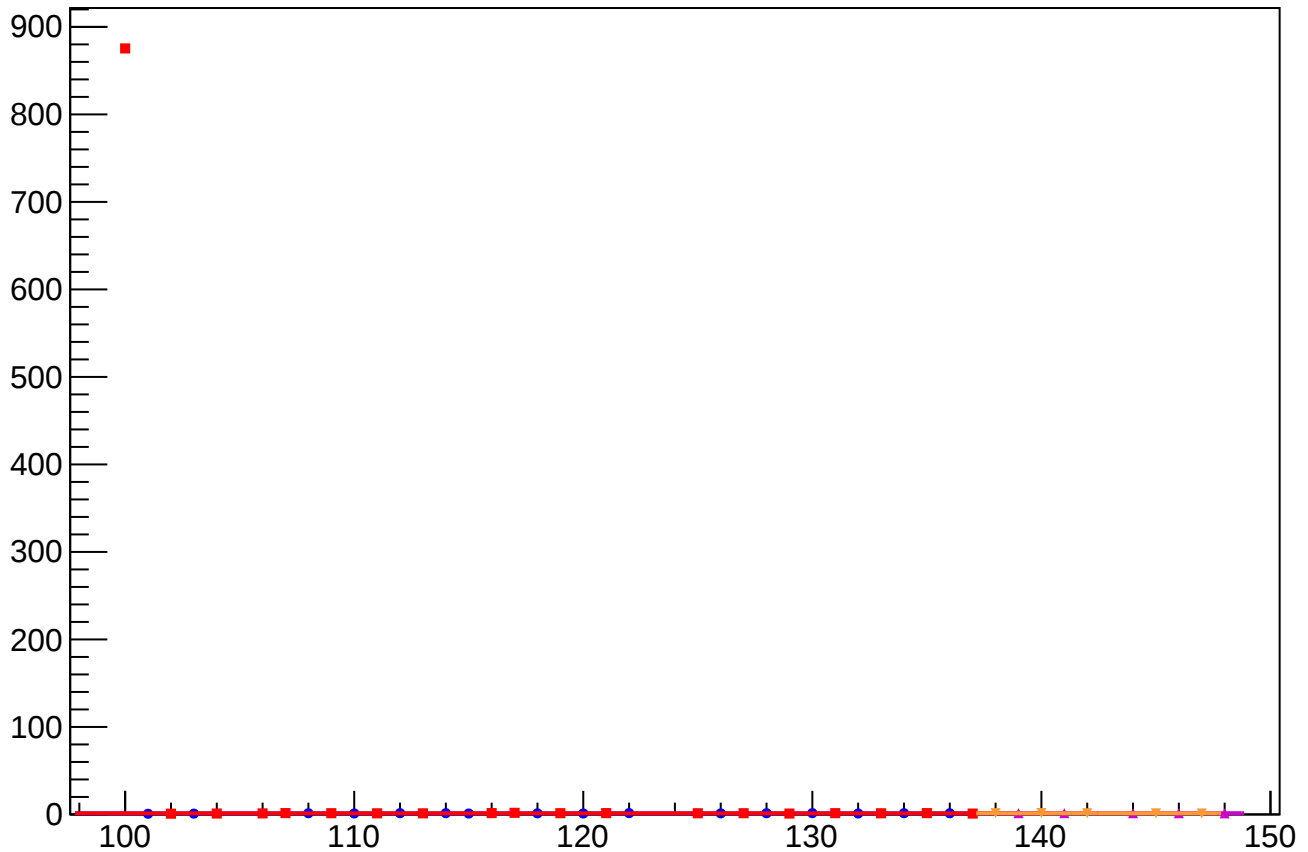
Right Out: -0.051+/-0.520 χ^2/NDF : 9.8/18

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

-0.246+/-0.421 χ^2/NDF : 25.3/20

-0.000+/-0.428 χ^2/NDF : 10.5/23

asym_ds_avg_correction_rms vs Slug



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

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

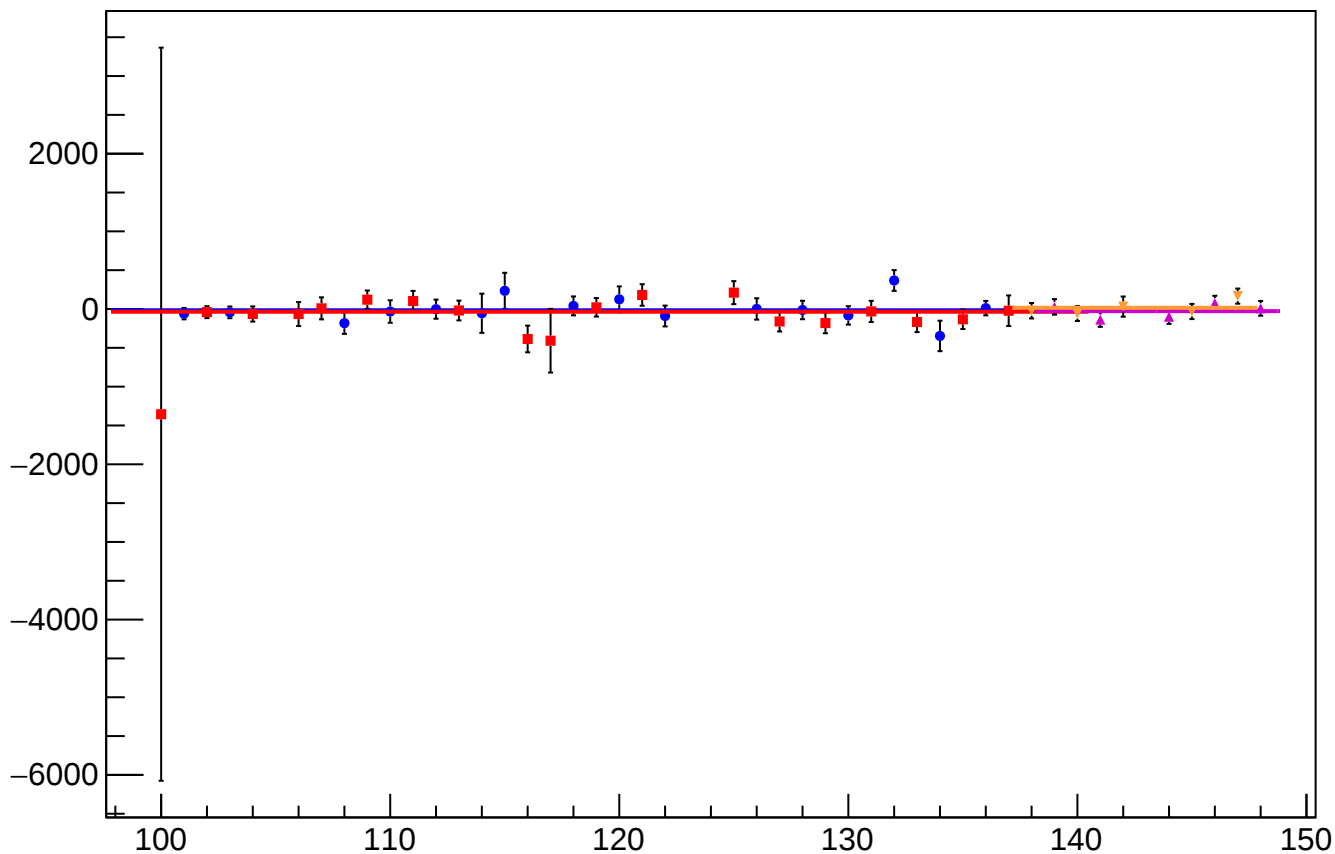
Right Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 526097.8/18

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

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

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

asym_ds_avg_mean vs Slug



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

Left Out: 15.297+/-45.662 χ^2/NDF : 3.4/4

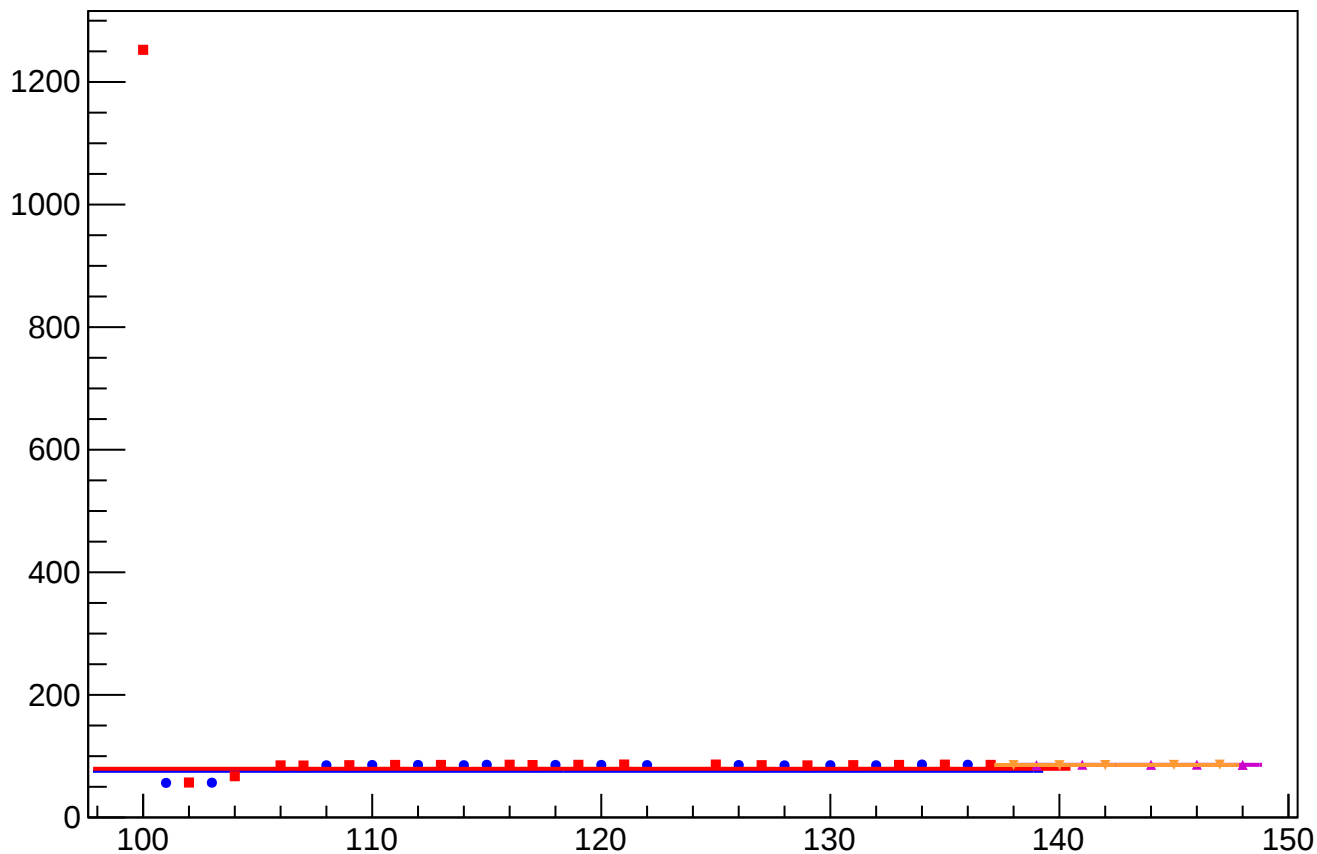
Right Out: -35.172+/-30.371 χ^2/NDF : 17.4/18

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

-6.783+/-25.070 χ^2/NDF : 19.6/20

-32.598+/-24.736 χ^2/NDF : 20.9/23

asym_ds_avg_rms vs Slug



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

Left Out: 85.631+/-0.032 χ^2/NDF :108.5/4

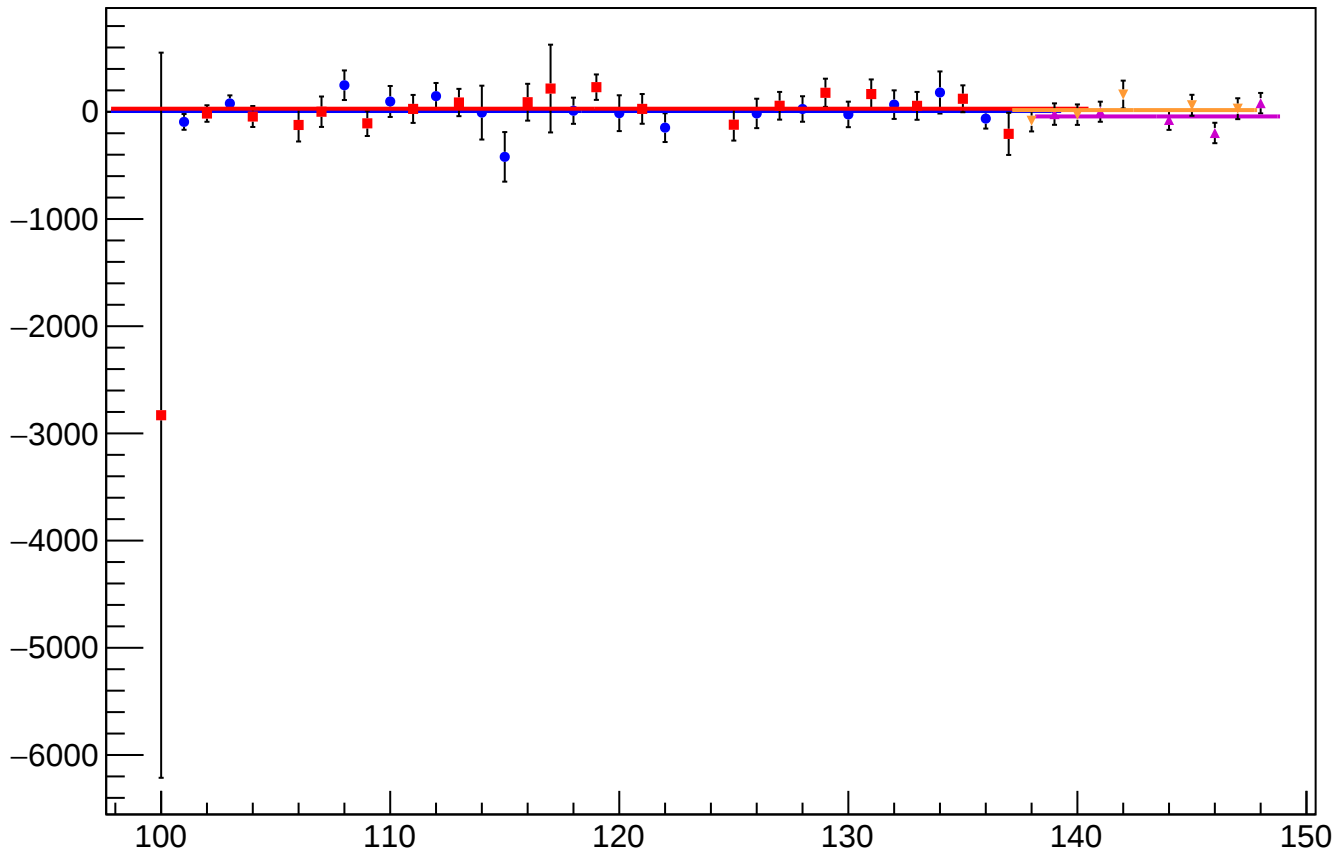
Right Out: 79.426+/-0.021 χ^2/NDF : 385484.8/18

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

78.972+/-0.018 χ^2/NDF : 470188.3/20

81.598+/-0.017 χ^2/NDF : 415964.7/23

reg_asym_ds_dd_mean vs Slug



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

Left Out: 16.045 $\pm$ 45.666 χ^2 /NDF: 2.7/4

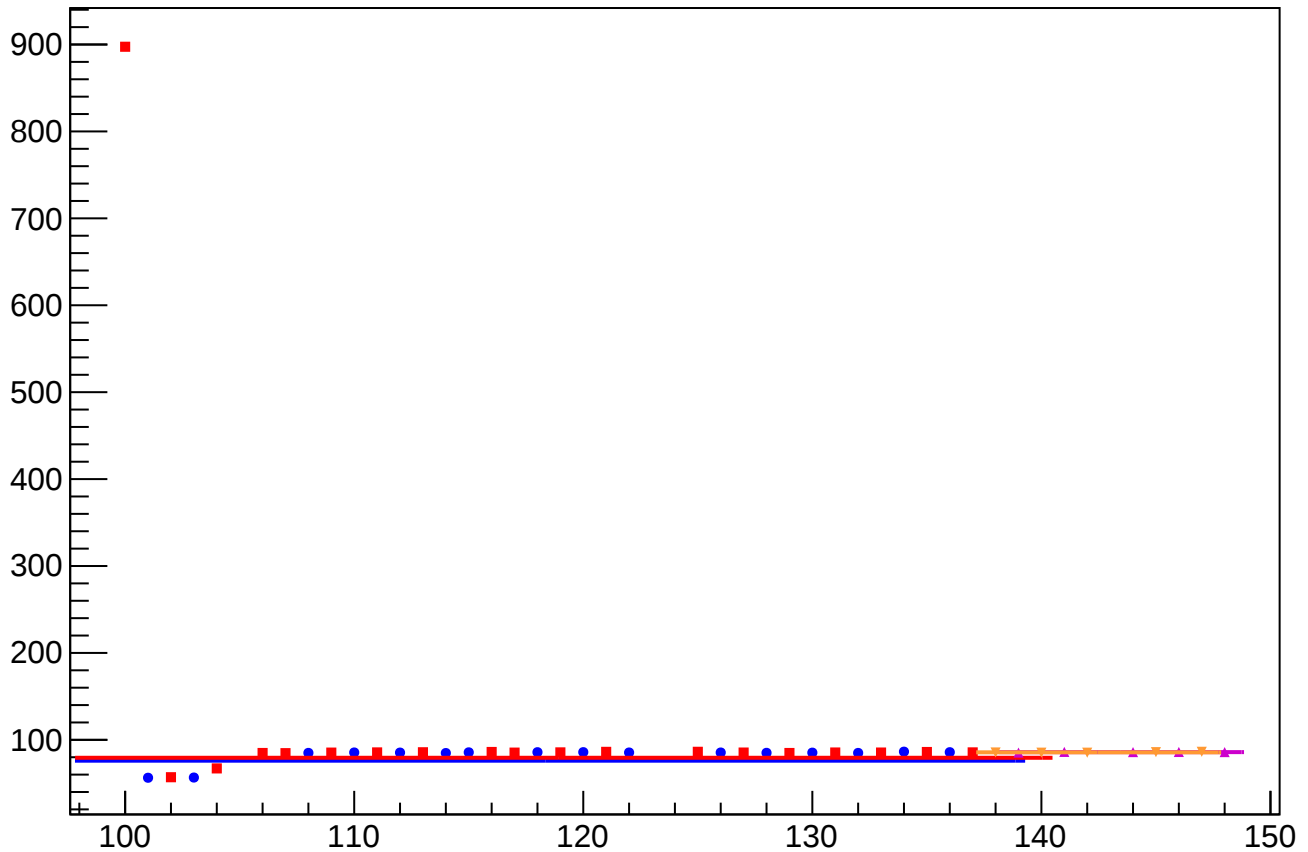
Right Out: 28.958 $\pm$ 30.344 χ^2 /NDF: 12.7/18

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

10.045 $\pm$ 25.055 χ^2 /NDF: 16.6/20

4.732 $\pm$ 24.722 χ^2 /NDF: 19.3/23

reg_asym_ds_dd_rms vs Slug



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

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

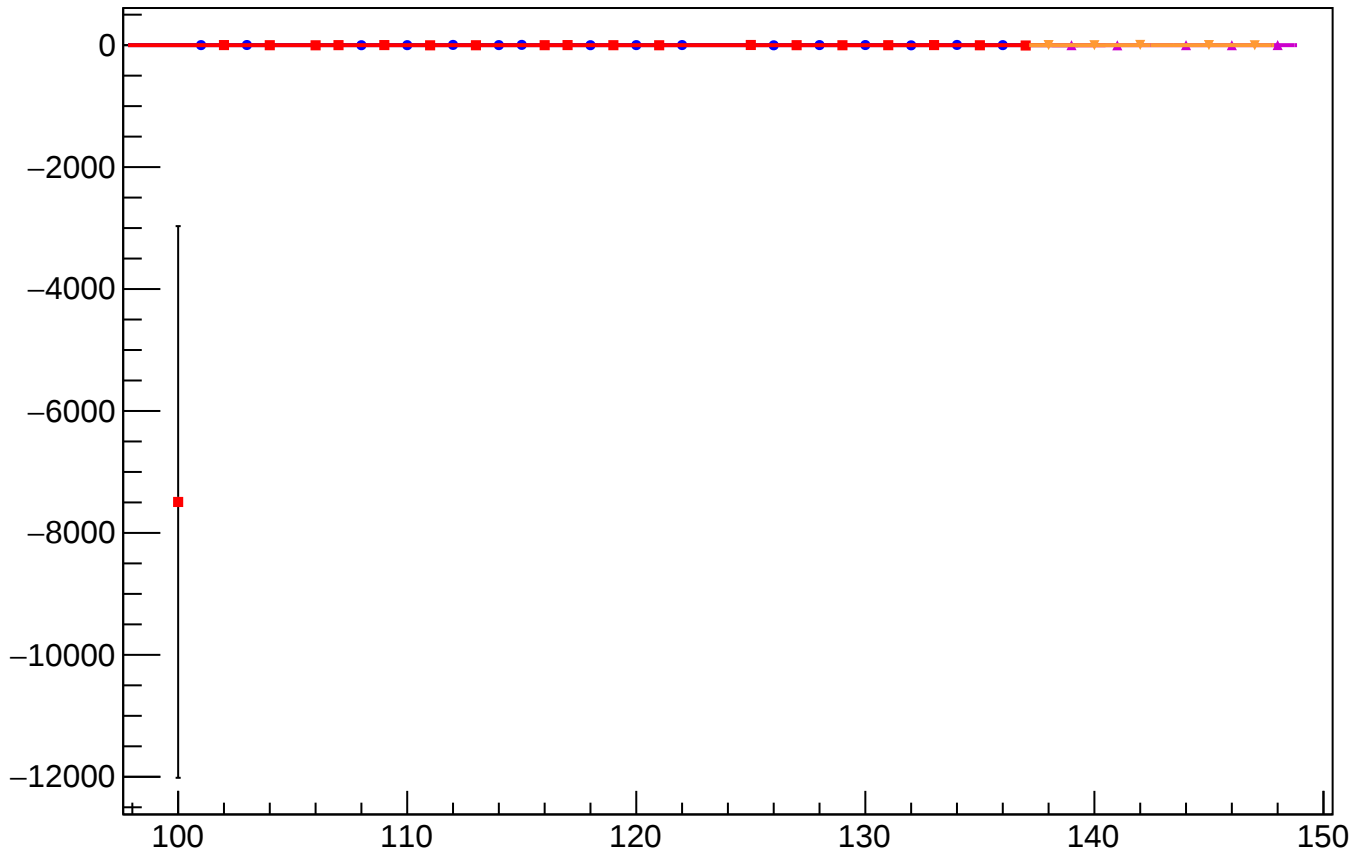
Right Out: 79.375 $\pm$ 0.021 χ^2 /NDF: 378794.5/18

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

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

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

asym_ds_dd_correction_mean vs Slug



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

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

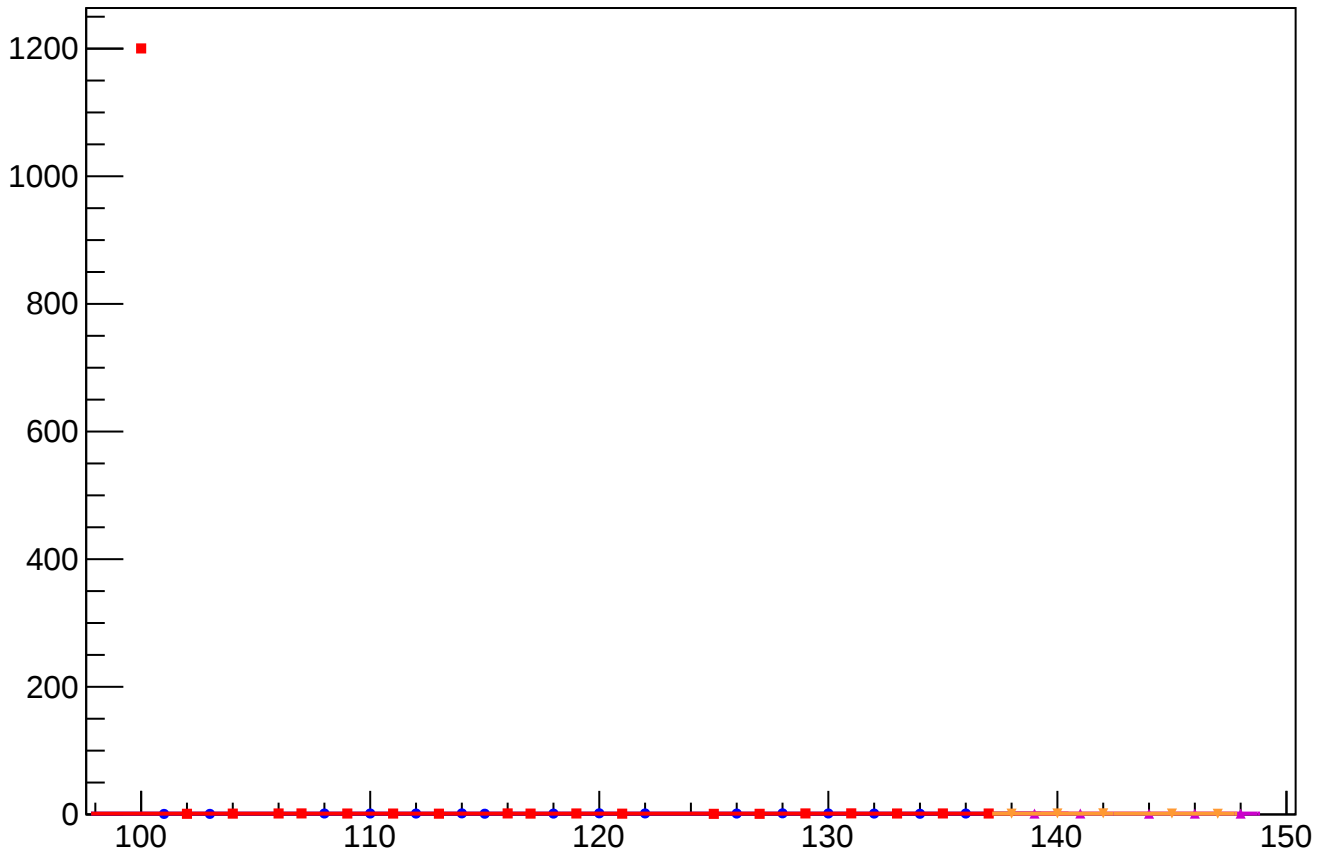
Right Out: -0.304+/-0.547 χ^2/NDF : 12.6/18

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

0.639+/-0.440 χ^2/NDF : 18.0/20

-0.198+/-0.439 χ^2/NDF : 15.7/23

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.327 $\pm$ 0.001 χ^2 /NDF: 143398.2/4

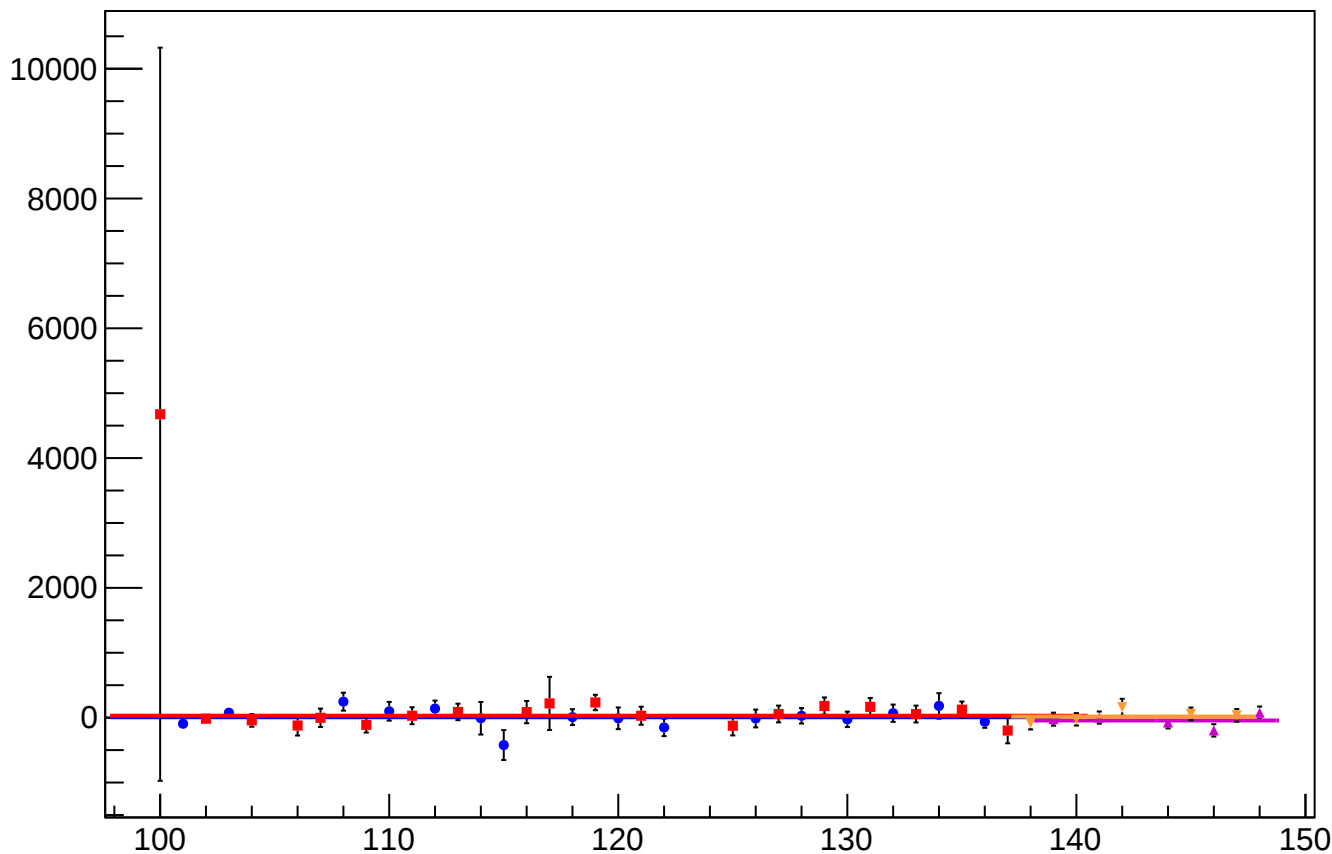
Right Out: 1.318 $\pm$ 0.000 χ^2 /NDF: 521623.7/18

Left In: 1.365 $\pm$ 0.001 χ^2 /NDF: 33004.0/4

1.266 $\pm$ 0.000 χ^2 /NDF: 819026.2/20

1.334 $\pm$ 0.000 χ^2 /NDF: 559889.2/23

asym_ds_dd_mean vs Slug



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

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

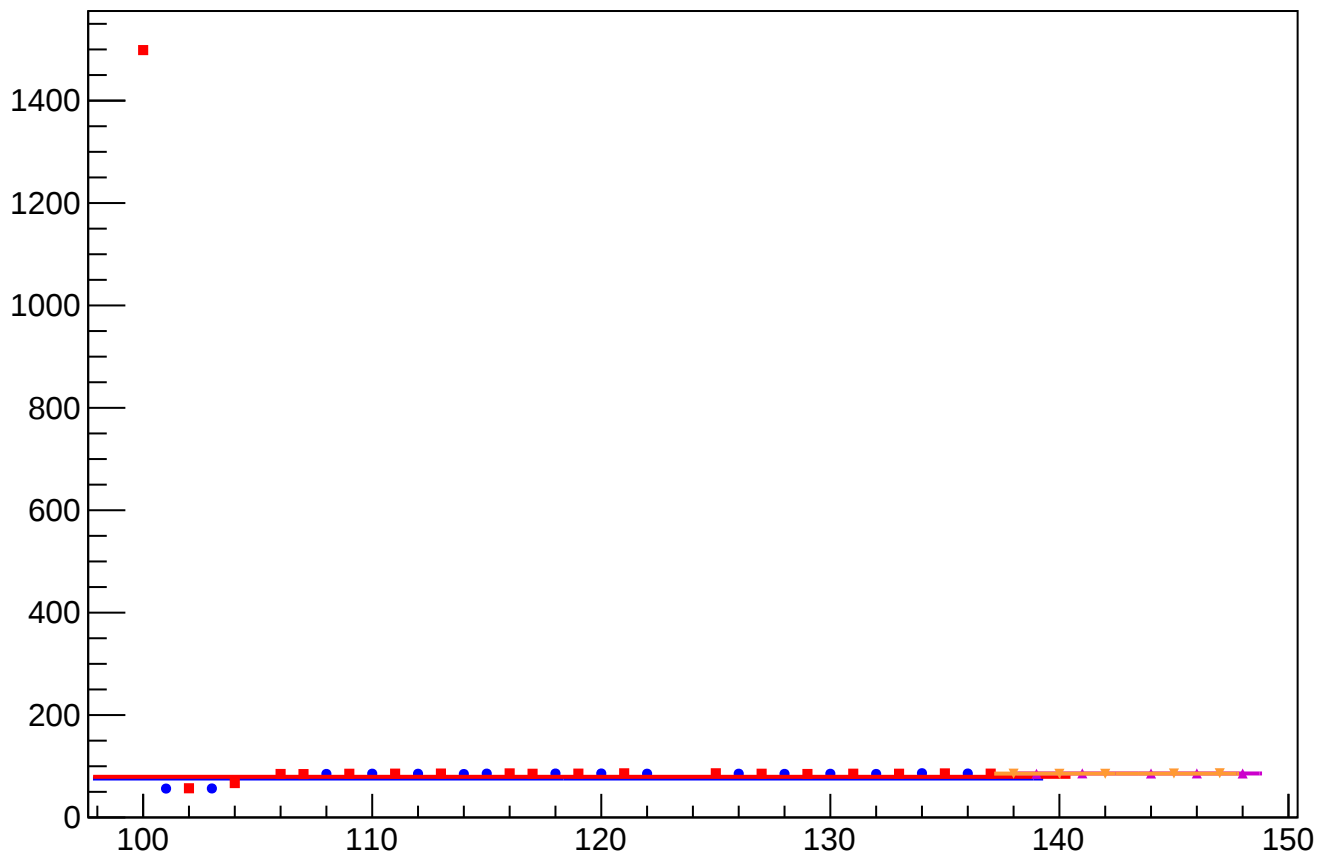
Right Out: 29.600 ± 30.353 $\chi^2/\text{NDF}: 12.9/18$

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

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

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

asym_ds_dd_rms vs Slug



Right In: 76.052+/-0.021 χ^2/NDF : 408962.1/15

Left Out: 85.660+/-0.032 χ^2/NDF : 146.4/4

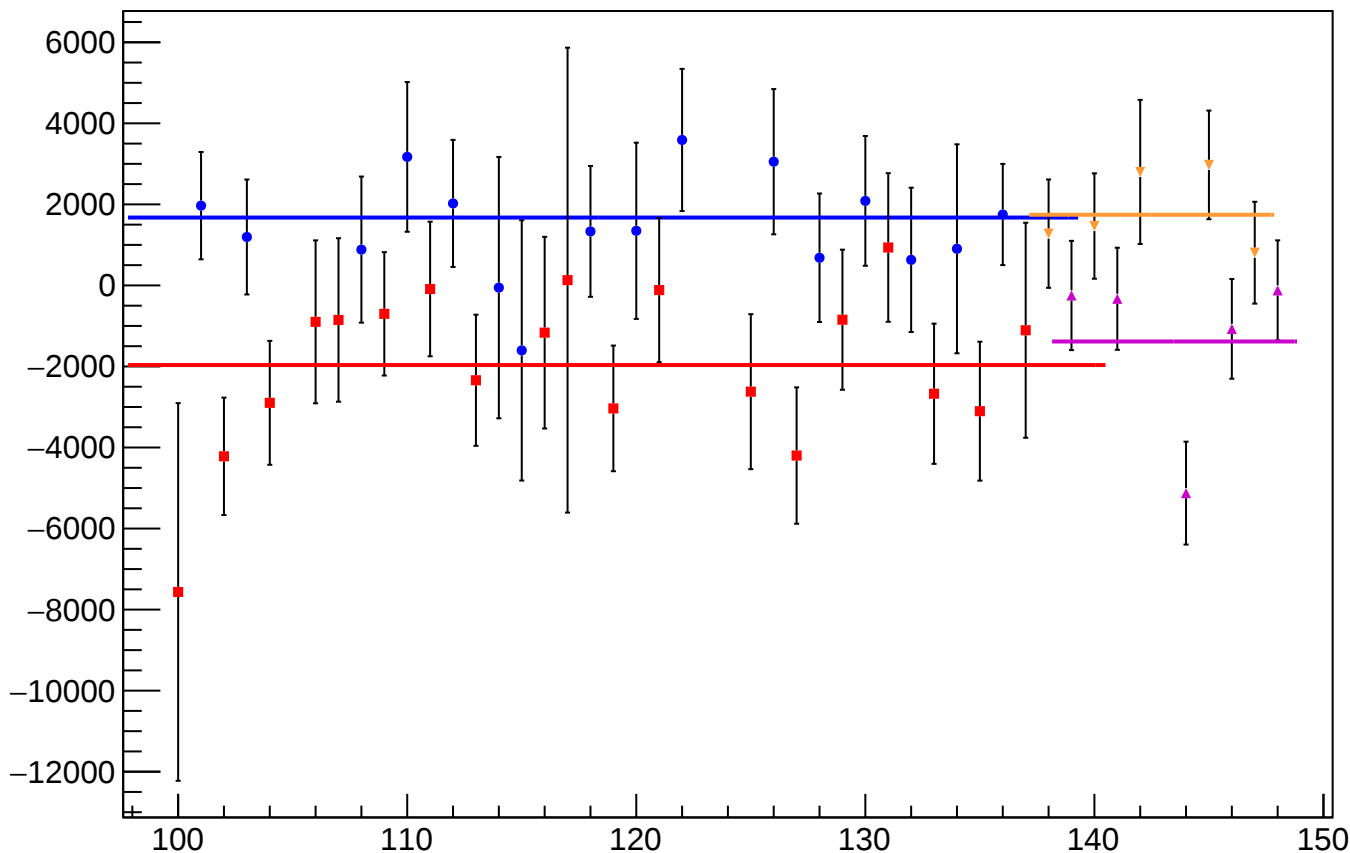
Right Out: 79.371+/-0.021 χ^2/NDF : 388057.0/18

Left In: 85.902+/-0.030 χ^2/NDF : 82.4/4

78.945+/-0.018 χ^2/NDF : 470953.7/20

81.567+/-0.017 χ^2/NDF : 419275.1/23

reg_asym_usl_mean vs Slug



Right In: 1674.993 ± 430.597 $\chi^2/\text{NDF}: 5.1/15$

Left Out: 1744.040 ± 613.478 $\chi^2/\text{NDF}: 1.9/4$

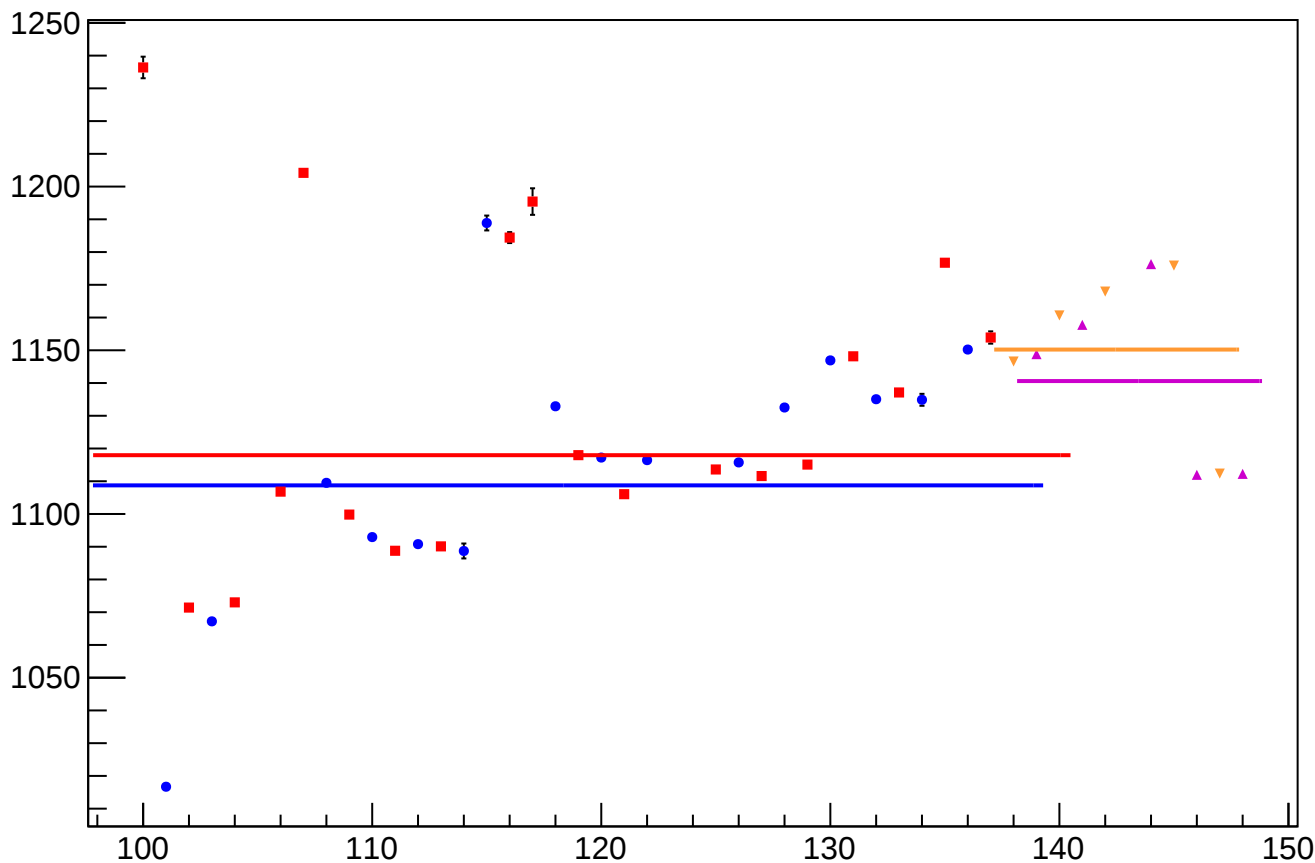
Right Out: -1964.936 ± 421.265 $\chi^2/\text{NDF}: 14.2/18$

Left In: -1383.547 ± 566.366 $\chi^2/\text{NDF}: 11.2/4$

1697.782 ± 352.445 $\chi^2/\text{NDF}: 7.1/20$

-1757.854 ± 338.014 $\chi^2/\text{NDF}: 26.0/23$

reg_asym_usl_rms vs Slug



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

Left Out: 1150.220 ± 0.434 χ^2/NDF : 2892.2/4

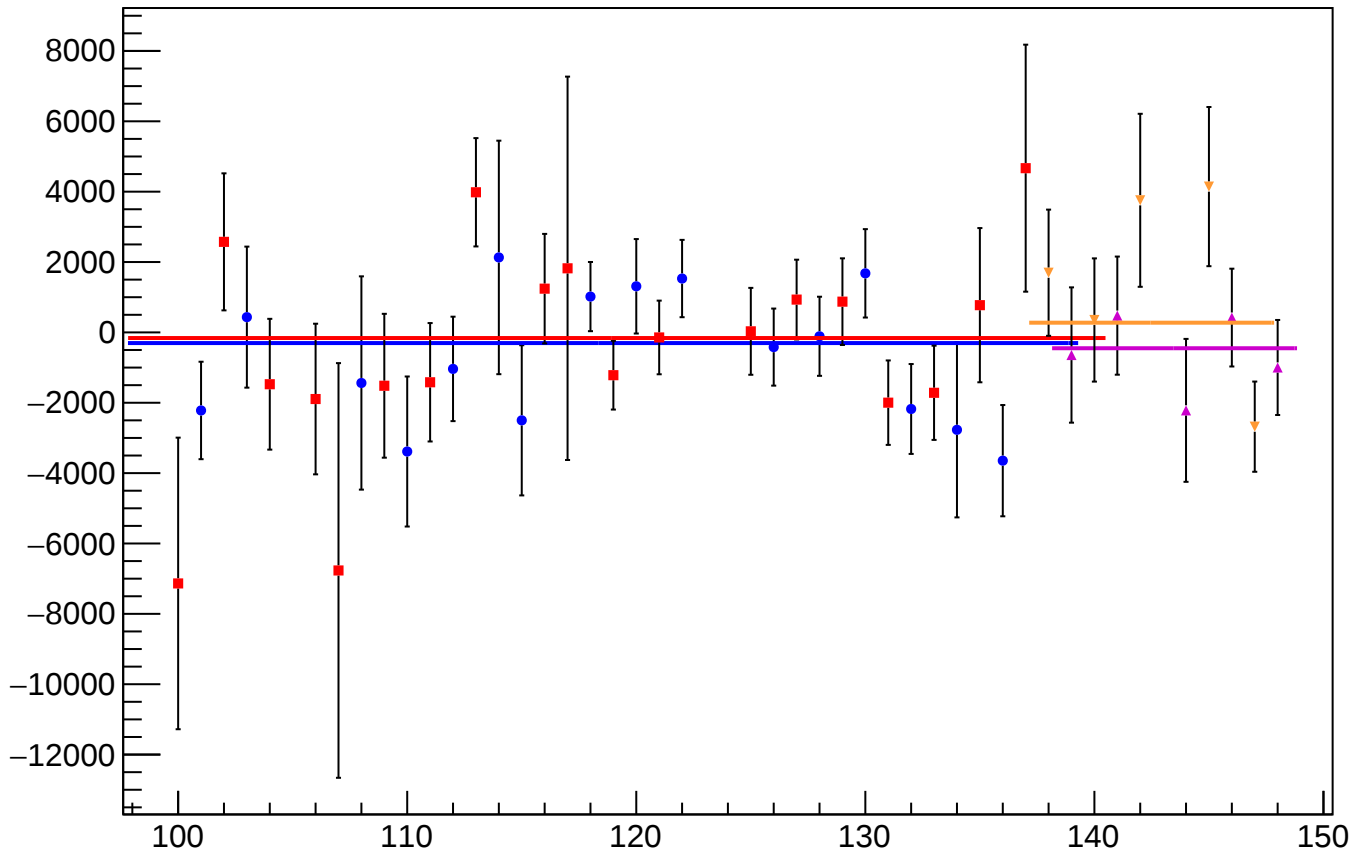
Right Out: 1117.959 ± 0.298 χ^2/NDF : 15881.8/18

Left In: 1140.601 ± 0.400 χ^2/NDF : 4167.3/4

1122.430 ± 0.249 χ^2/NDF : 27098.7/20

1126.024 ± 0.239 χ^2/NDF : 22106.9/23

asym_usl_correction_mean vs Slug



Right In: -303.335 ± 360.068 $\chi^2/\text{NDF}: 22.3/15$

Left Out: 275.895 ± 789.063 $\chi^2/\text{NDF}: 10.9/4$

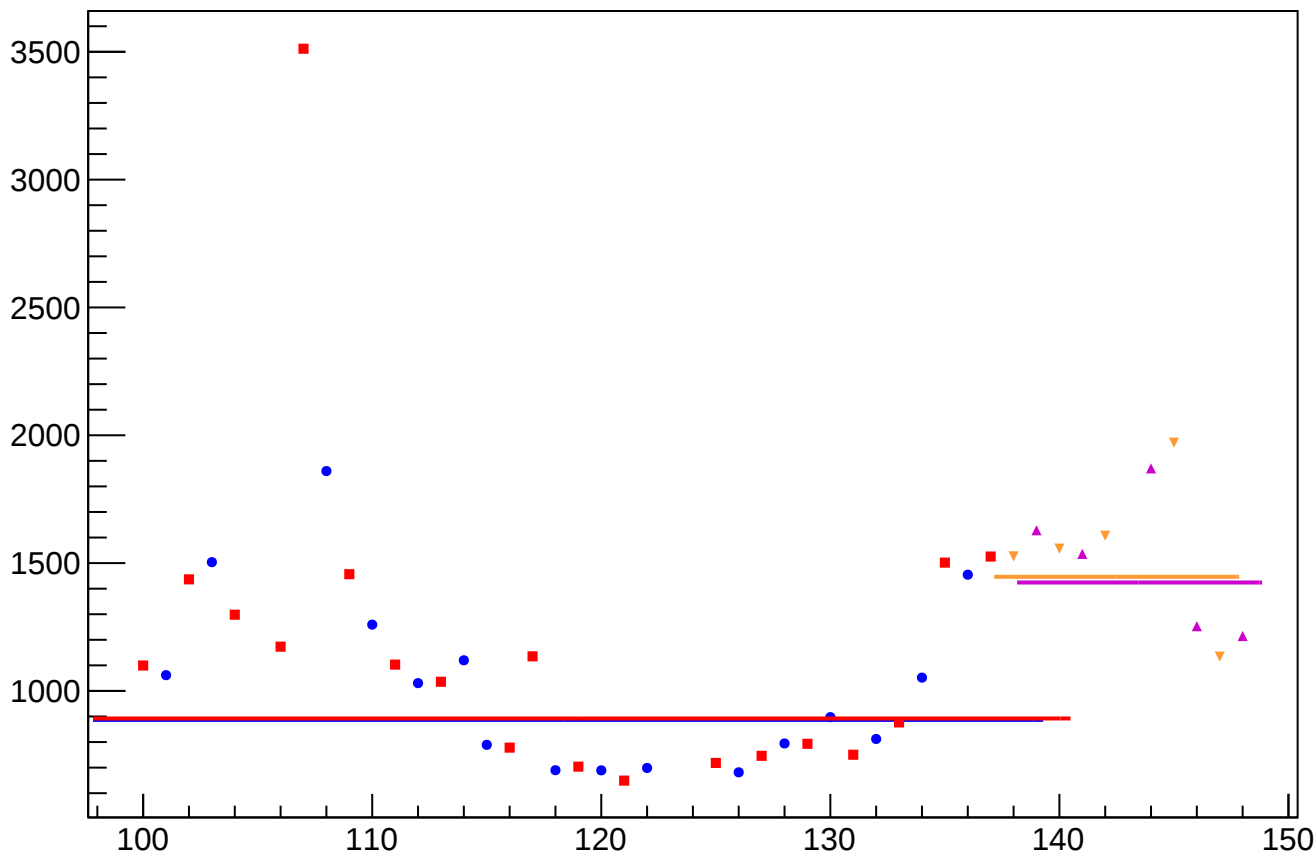
Right Out: -160.376 ± 355.478 $\chi^2/\text{NDF}: 25.0/18$

Left In: -450.412 ± 719.169 $\chi^2/\text{NDF}: 1.6/4$

-203.508 ± 327.574 $\chi^2/\text{NDF}: 33.6/20$

-217.324 ± 318.674 $\chi^2/\text{NDF}: 26.8/23$

asym_usl_correction_rms vs Slug



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

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

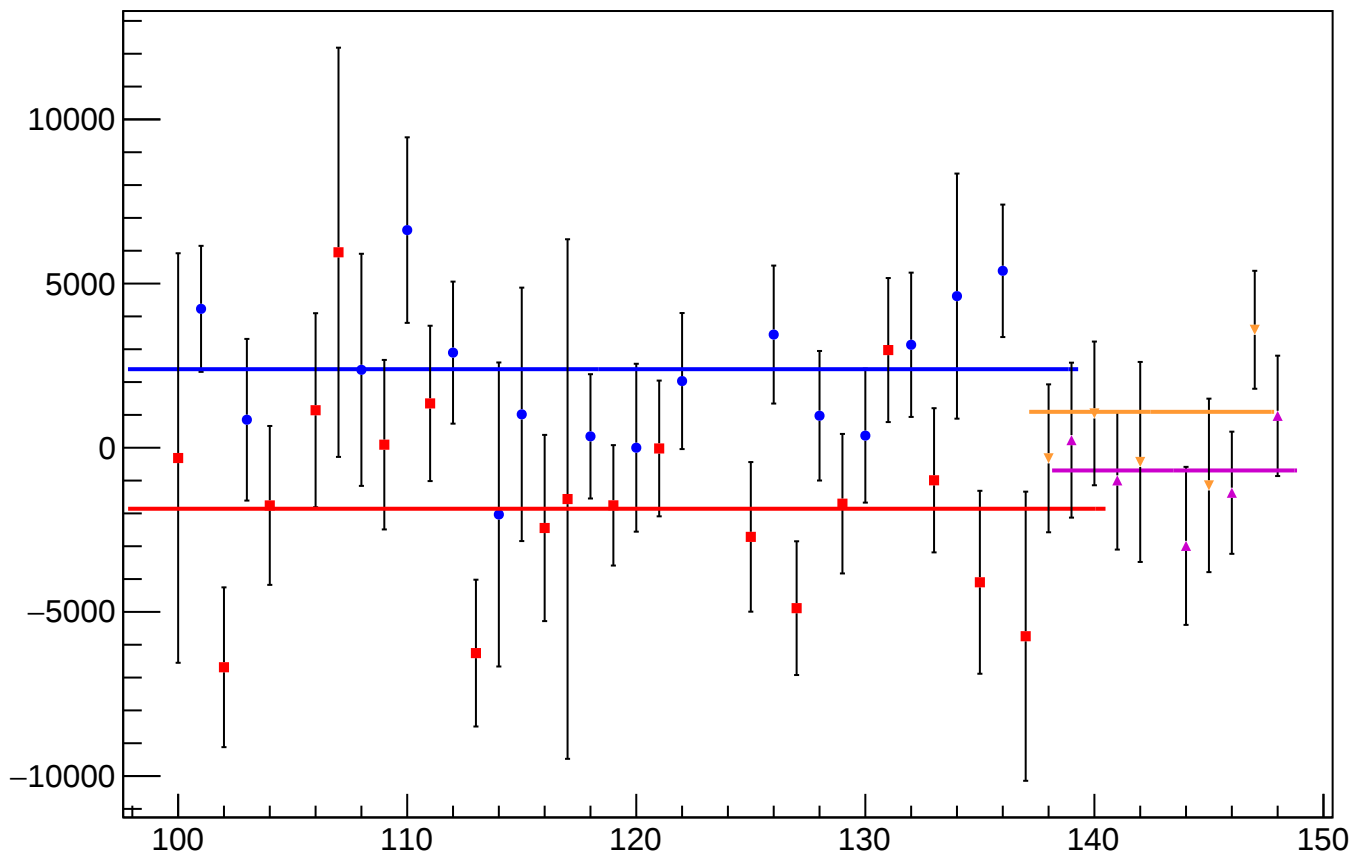
Right Out: 892.236+/-0.251 χ^2/NDF : 1418185.6/18

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

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

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

asym_usl_mean vs Slug



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

Left Out: 1093.528 ± 1017.010 χ^2/NDF : 3.3/4

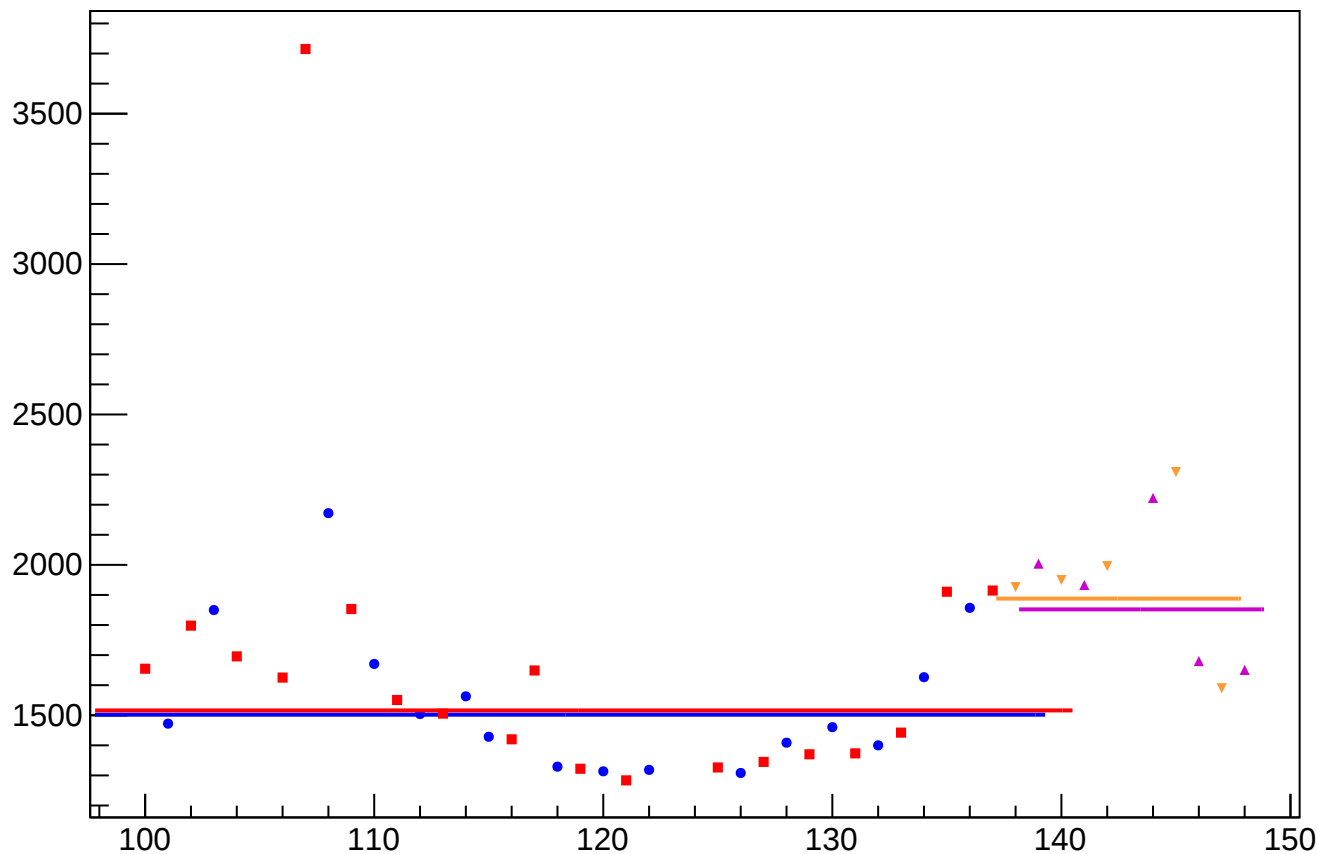
Right Out: -1858.263 ± 581.542 χ^2/NDF : 22.5/18

Left In: -692.226 ± 926.875 χ^2/NDF : 2.0/4

2066.161 ± 509.686 χ^2/NDF : 15.7/20

-1528.899 ± 492.610 χ^2/NDF : 25.7/23

asym_usl_rms vs Slug



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

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

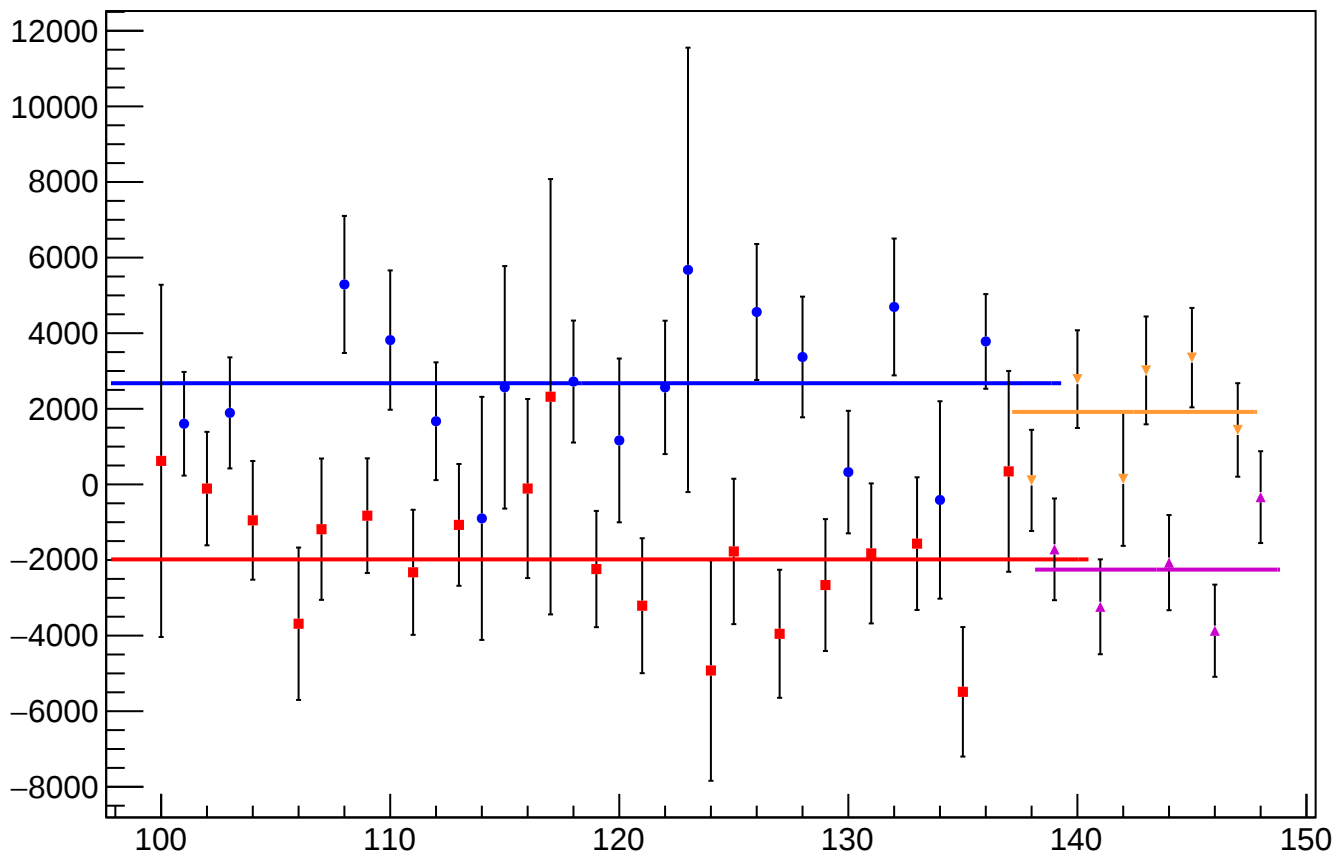
Right Out: 1516.127+/-0.411 χ^2/NDF : 480325.9/18

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

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

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

reg_asym_usr_mean vs Slug



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

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

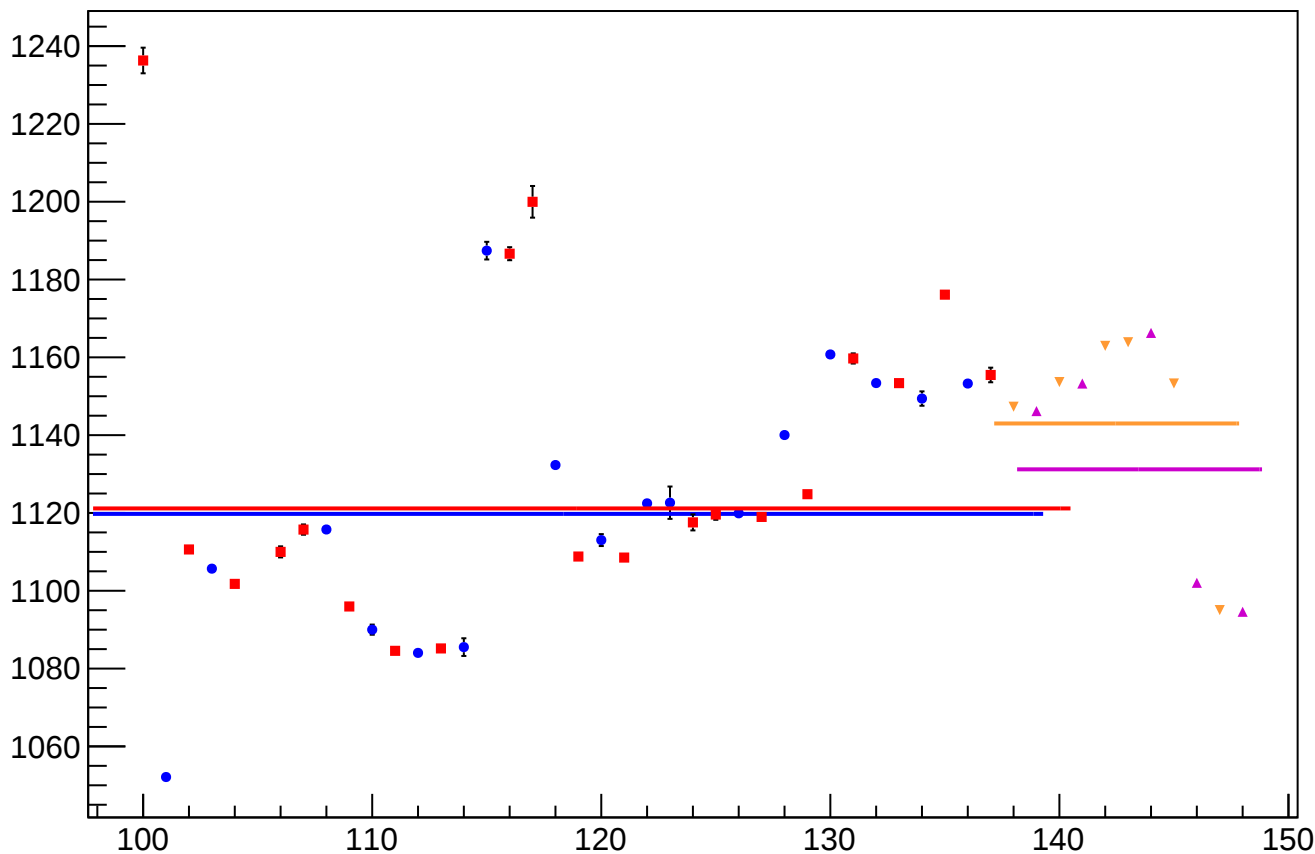
Right Out: -1983.779 $\pm$ 418.059 χ^2 /NDF: 13.4/19

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

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

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

reg_asym_usr_rms vs Slug



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

Left Out: 1143.001 ± 0.395 χ^2/NDF : 3968.1/5

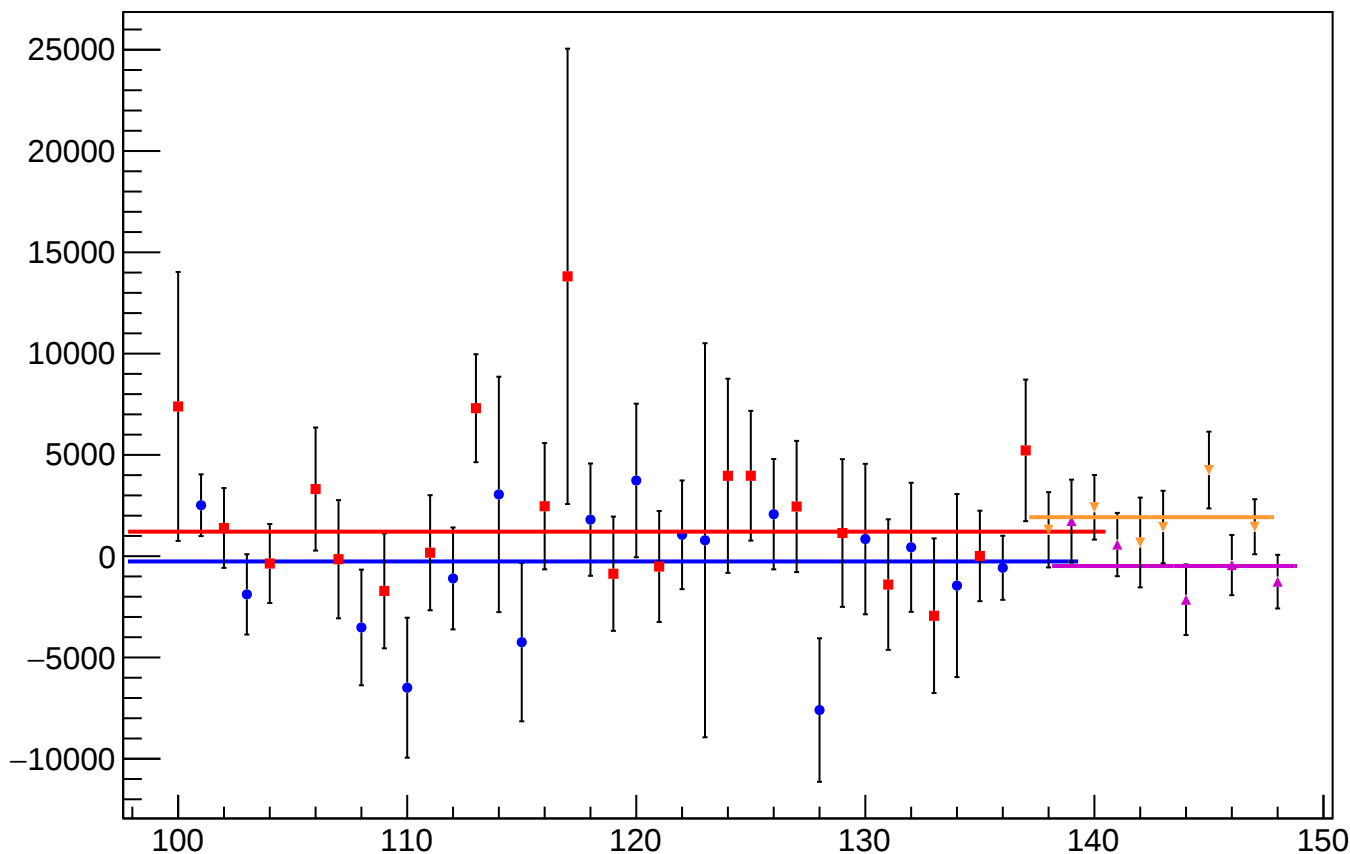
Right Out: 1121.164 ± 0.296 χ^2/NDF : 10310.8/19

Left In: 1131.212 ± 0.397 χ^2/NDF : 5378.6/4

1128.490 ± 0.242 χ^2/NDF : 18002.9/22

1124.745 ± 0.237 χ^2/NDF : 16101.2/24

asym_usr_correction_mean vs Slug



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

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

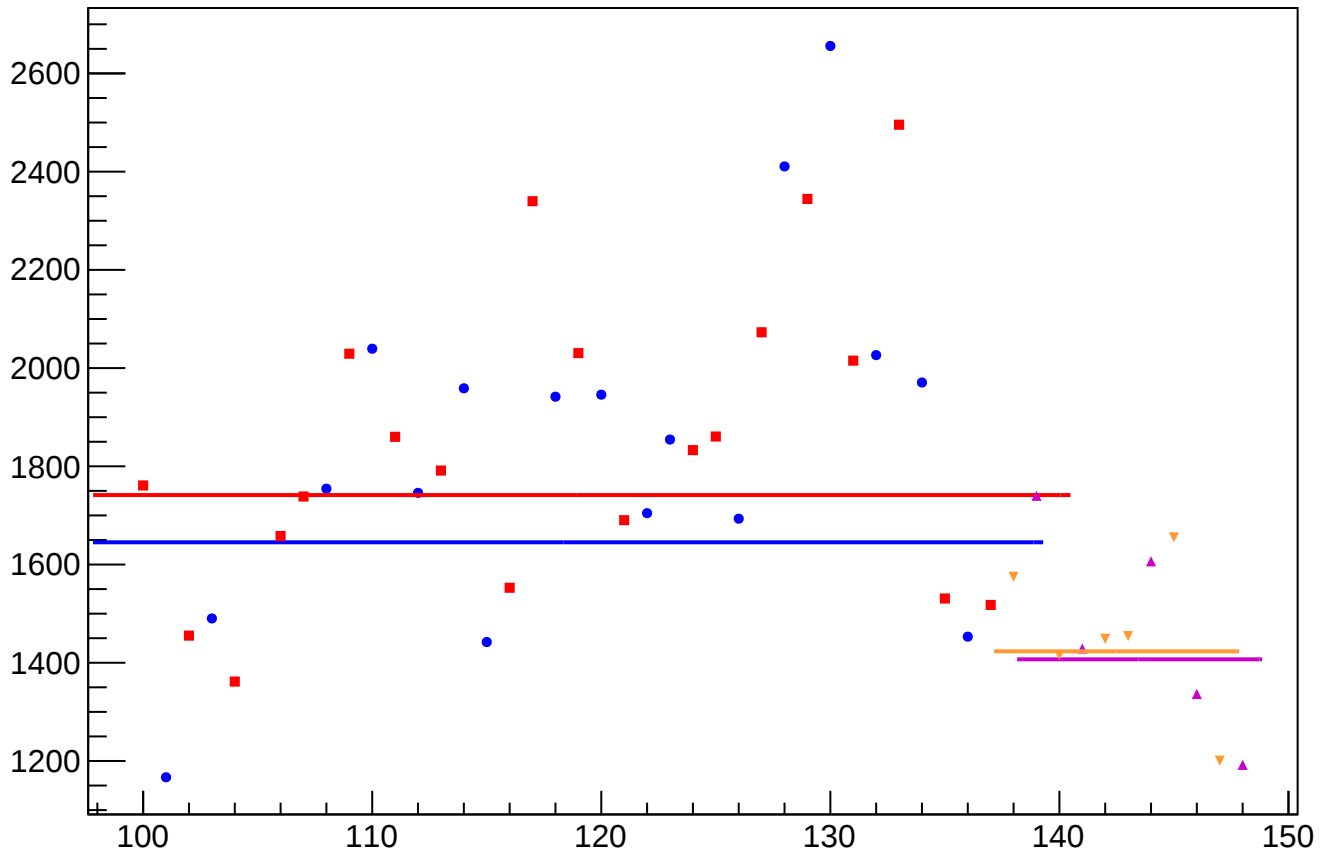
Right Out: 1211.378+/-661.281 χ^2 /NDF: 15.7/19

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

755.021+/-479.504 χ^2 /NDF: 24.6/22

419.517+/-482.952 χ^2 /NDF: 21.6/24

asym_usr_correction_rms vs Slug



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

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

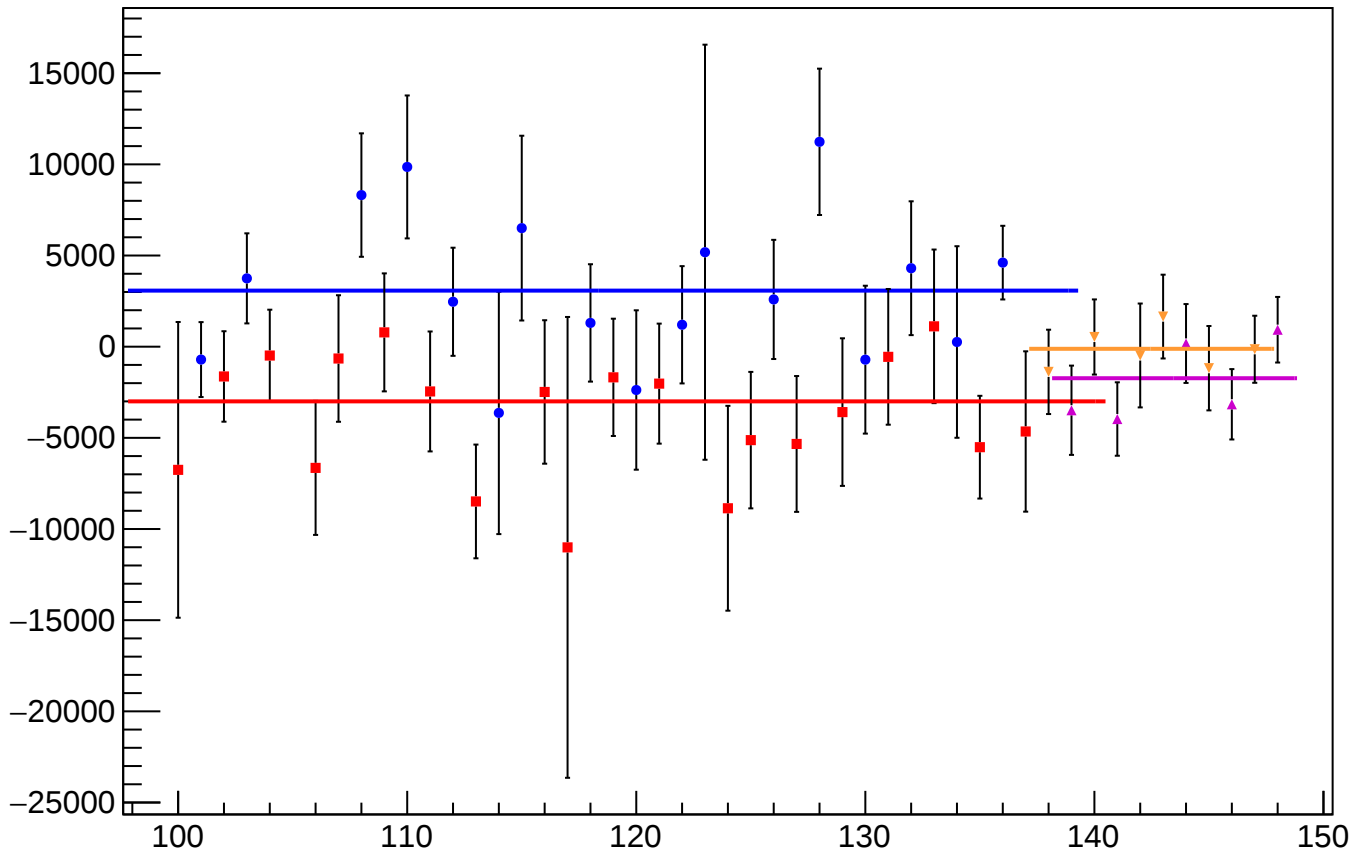
Right Out: 1741.460 ± 0.468 χ^2/NDF : 376702.2/19

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

1542.171 ± 0.339 χ^2/NDF : 805618.5/22

1585.392 ± 0.341 χ^2/NDF : 752202.6/24

asym_usr_mean vs Slug



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

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

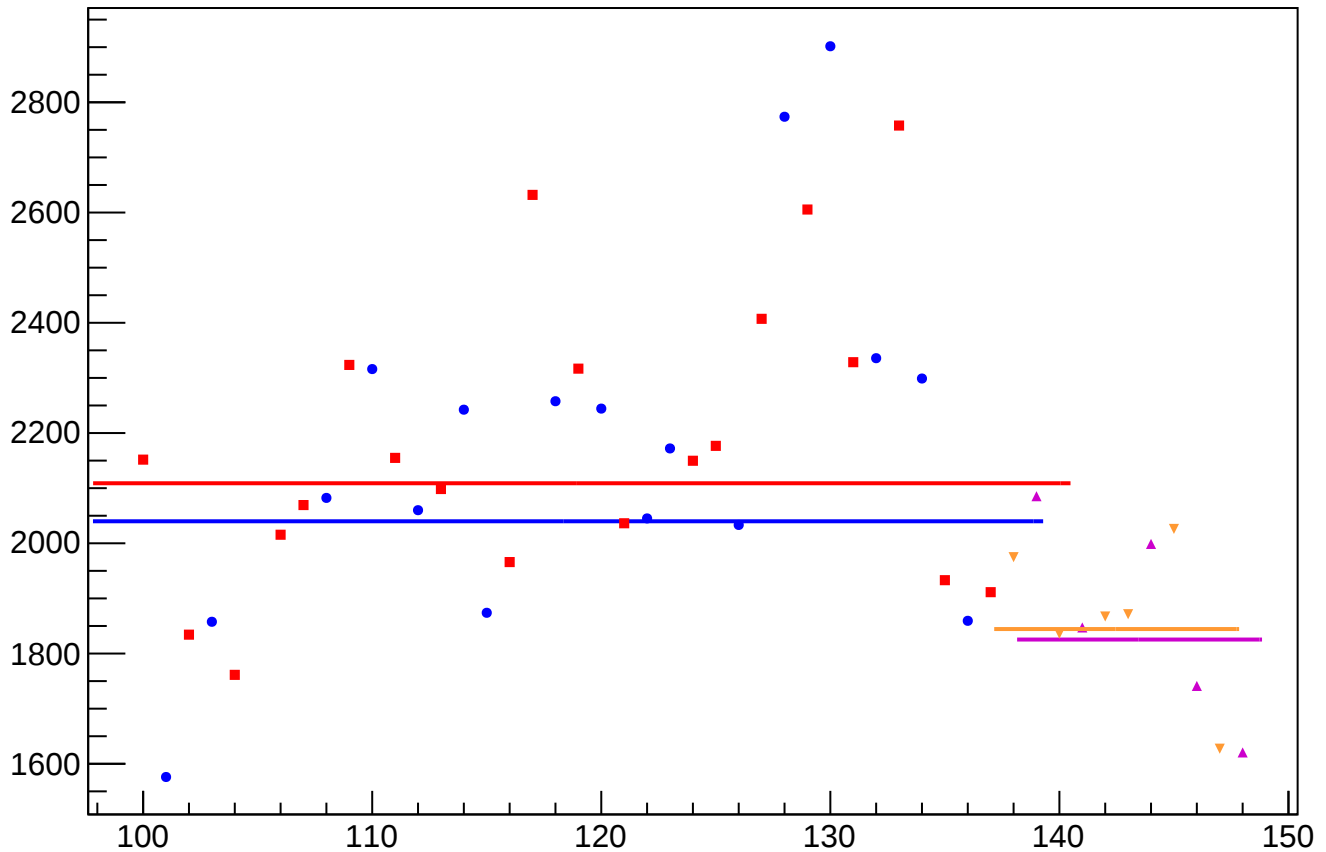
Right Out: -2999.277 $\pm$ 794.066 χ^2 /NDF: 12.3/19

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

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

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

asym_usr_rms vs Slug



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

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

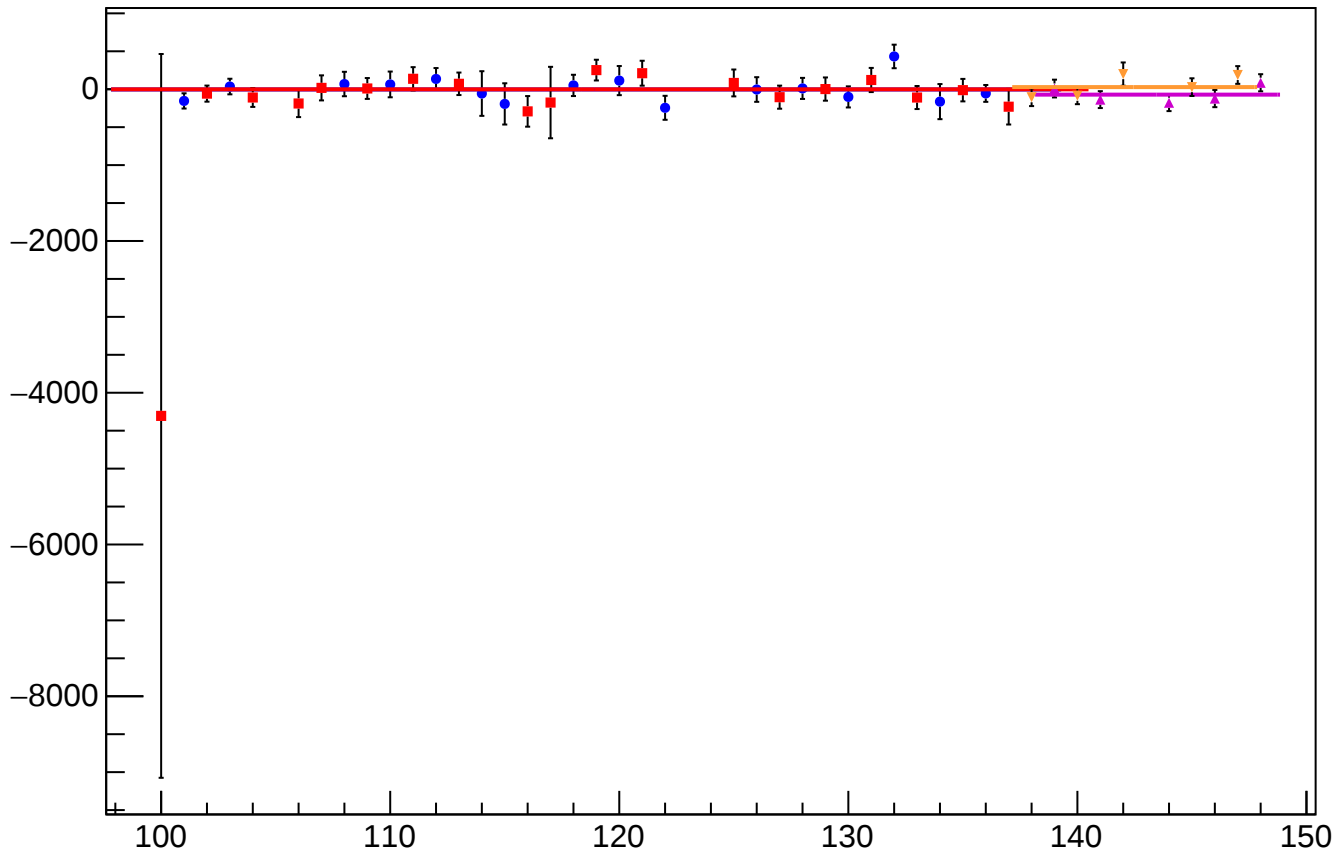
Right Out: 2108.906 $\pm$ 0.561 χ^2 /NDF: 198889.3/19

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

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

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

reg_asym_dsl_mean vs Slug



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

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

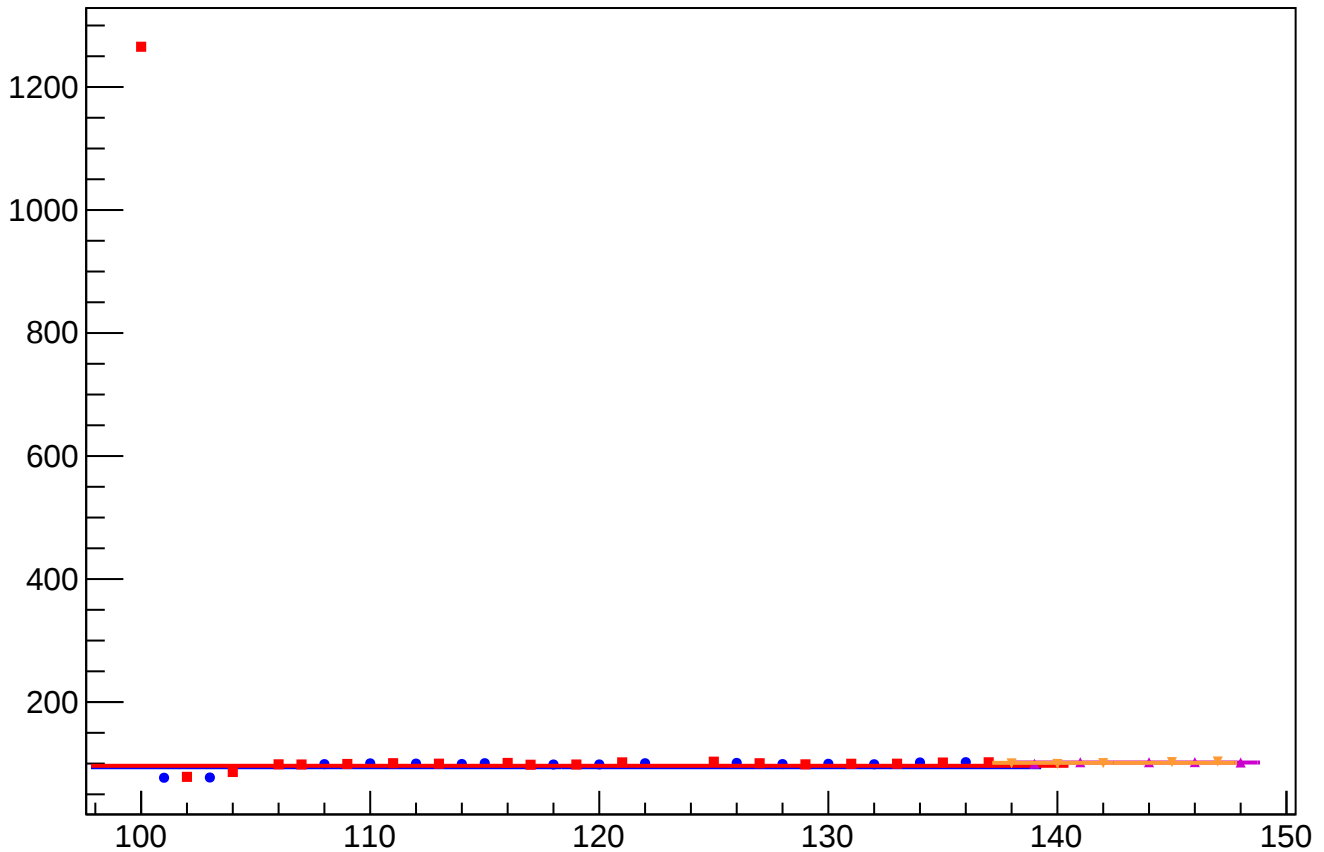
Right Out: -1.545+/-36.588 χ^2/NDF : 14.1/18

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

6.636+/-30.359 χ^2/NDF : 21.8/20

-25.565+/-29.629 χ^2/NDF : 19.2/23

reg_asym_dsl_rms vs Slug



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

Left Out: 101.228+/-0.038 χ^2/NDF : 1535.0/4

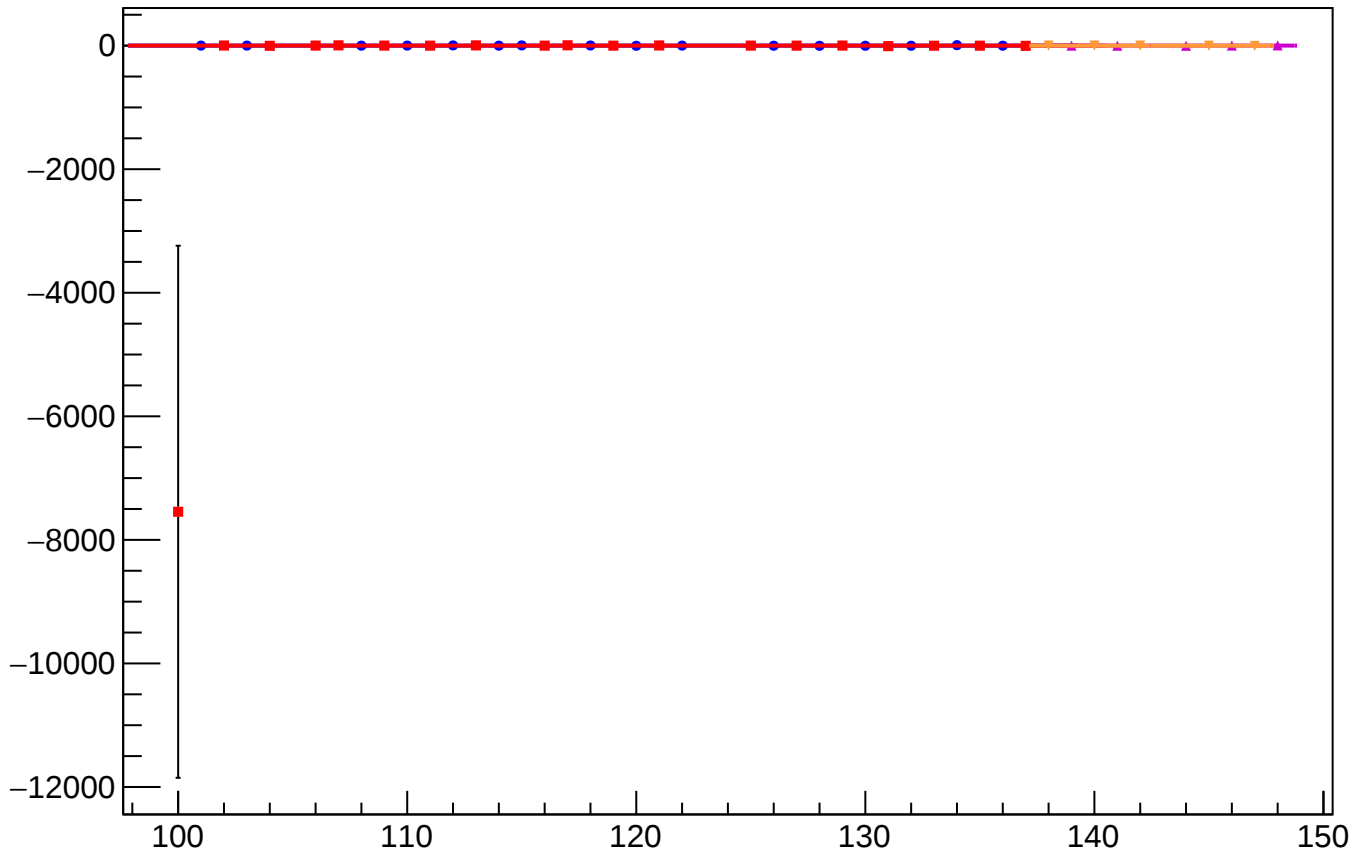
96.333+/-0.021 χ^2/NDF : 177874.7/20

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

98.221+/-0.021 χ^2/NDF : 224592.2/23

Left In: 101.722+/-0.036 χ^2/NDF : 673.3/4

asym_dsl_correction_mean vs Slug



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

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

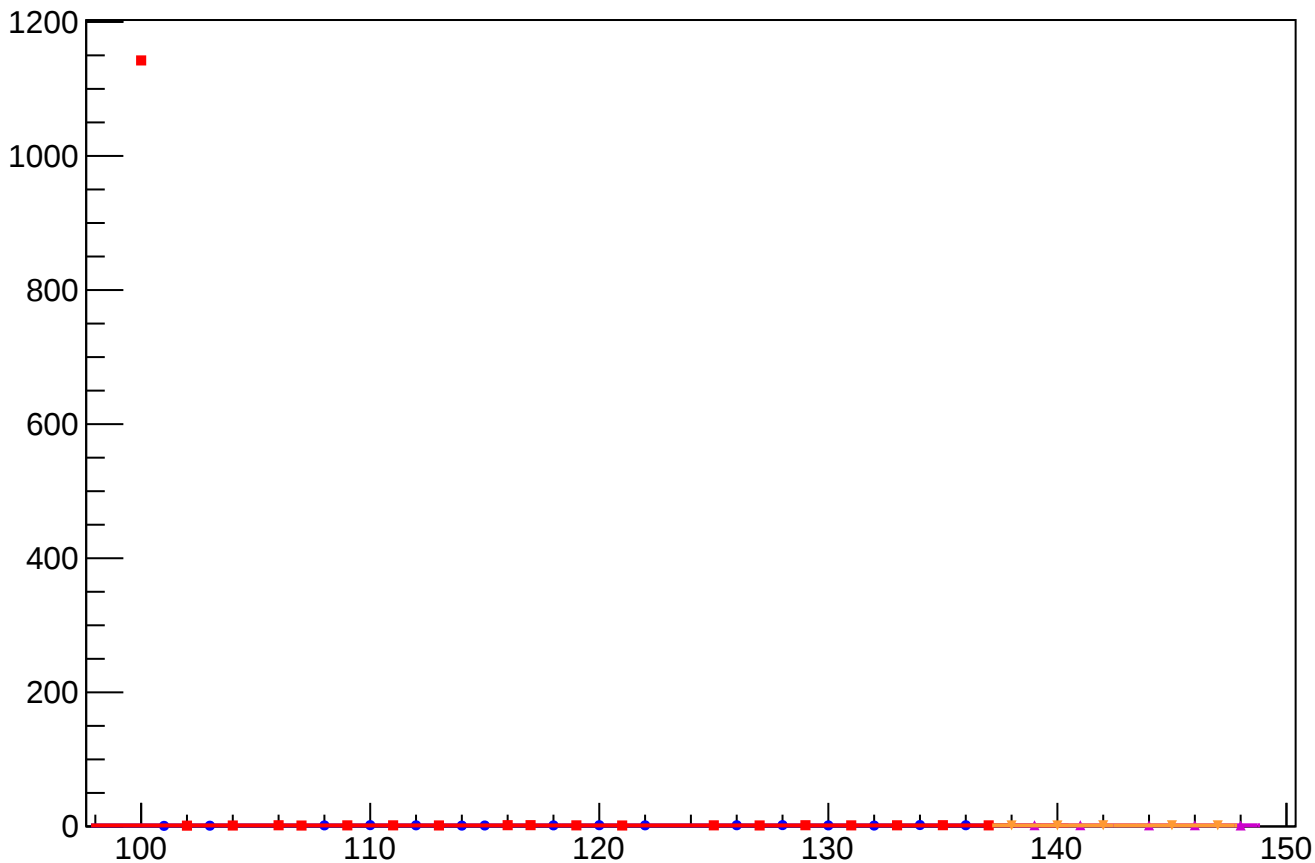
Right Out: 0.336+/-0.641 χ^2/NDF : 23.1/18

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

0.188+/-0.515 χ^2/NDF : 15.8/20

0.470+/-0.526 χ^2/NDF : 28.9/23

asym_dsl_correction_rms vs Slug



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

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

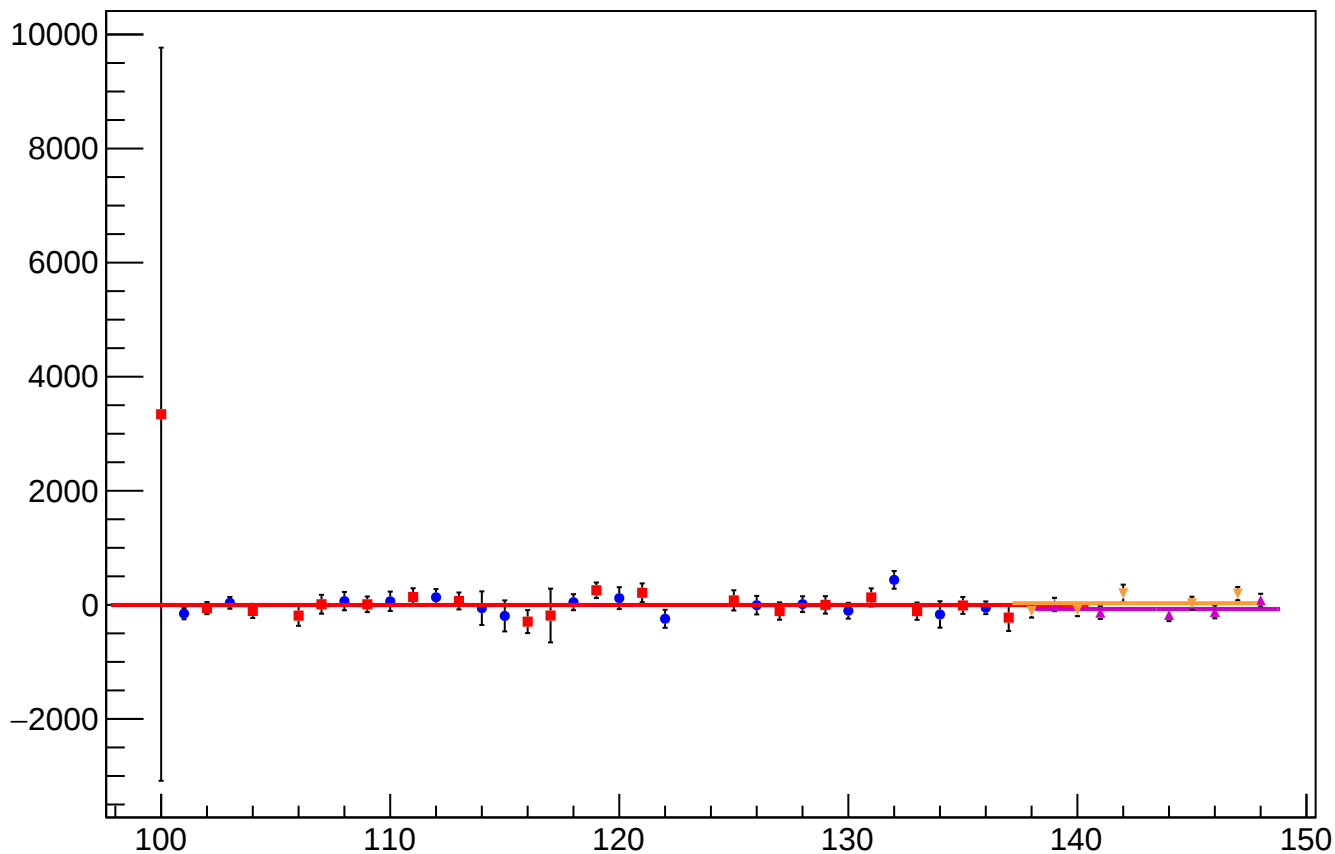
Right Out: 1.557+/-0.000 χ^2/NDF : 318750.9/18

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

1.479+/-0.000 χ^2/NDF : 810752.7/20

1.613+/-0.000 χ^2/NDF : 417180.3/23

asym_dsl_mean vs Slug



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

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

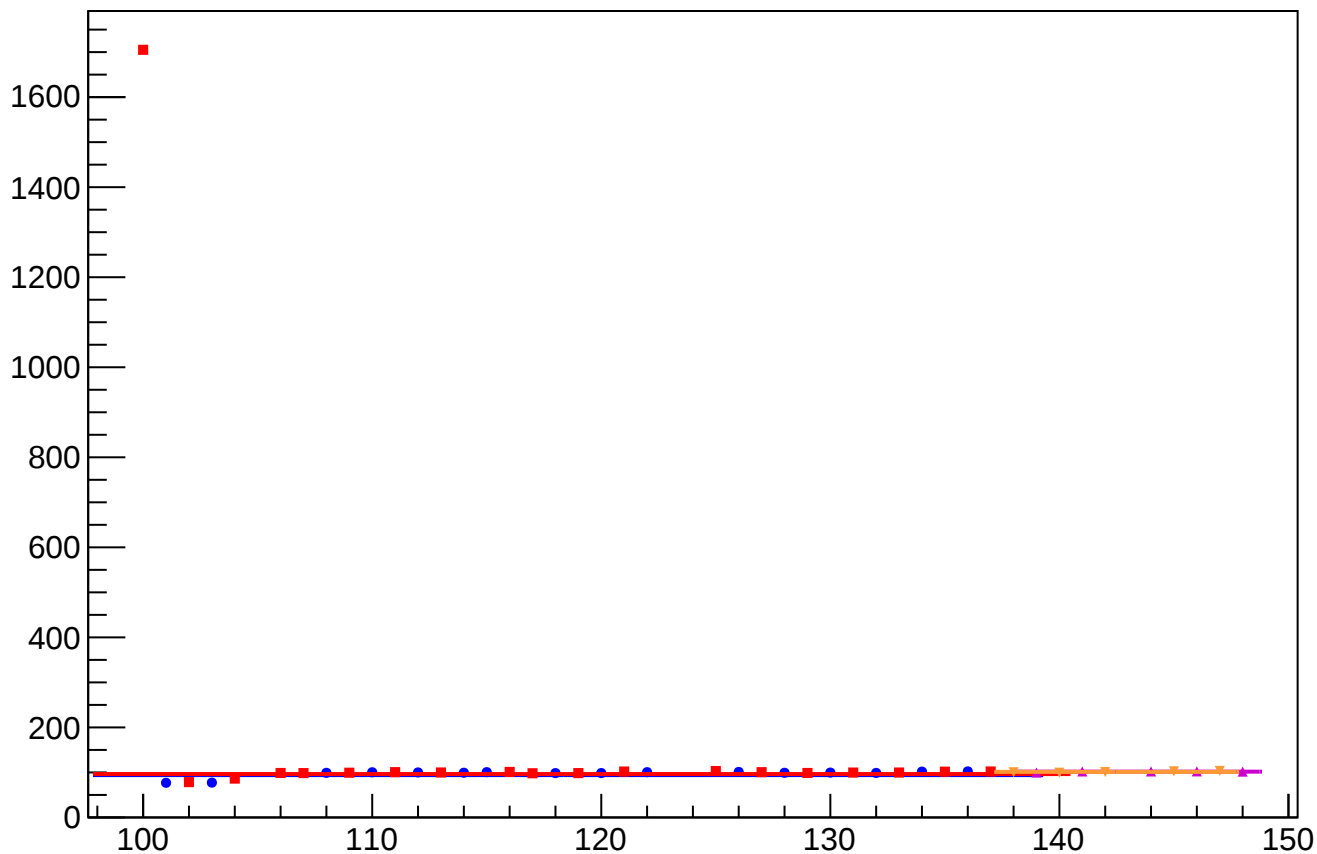
Right Out: -1.300 ± 36.598 χ^2/NDF : 13.7/18

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

7.129 ± 30.366 χ^2/NDF : 22.3/20

-25.601 ± 29.637 χ^2/NDF : 18.7/23

asym_dsl_rms vs Slug



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

Left Out: 101.254+/-0.038 χ^2/NDF : 1533.8/4

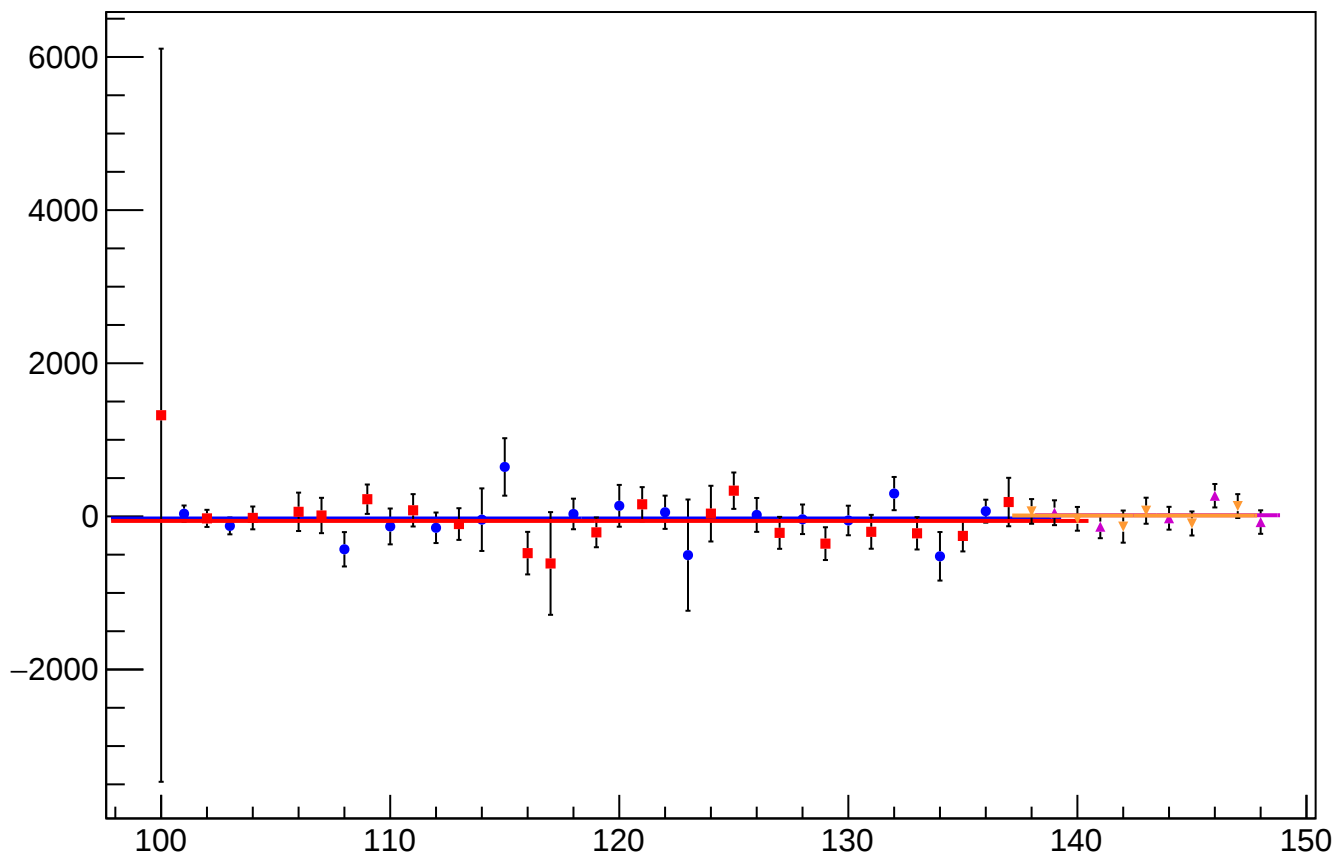
Right Out: 96.391+/-0.026 χ^2/NDF : 214389.8/18

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

96.357+/-0.021 χ^2/NDF : 177893.5/20

98.236+/-0.021 χ^2/NDF : 229821.0/23

reg_asym_dsr_mean vs Slug



Right In: -27.840 ± 46.777 $\chi^2/\text{NDF}: 14.3/16$

Left Out: 11.229 ± 67.567 $\chi^2/\text{NDF}: 1.9/5$

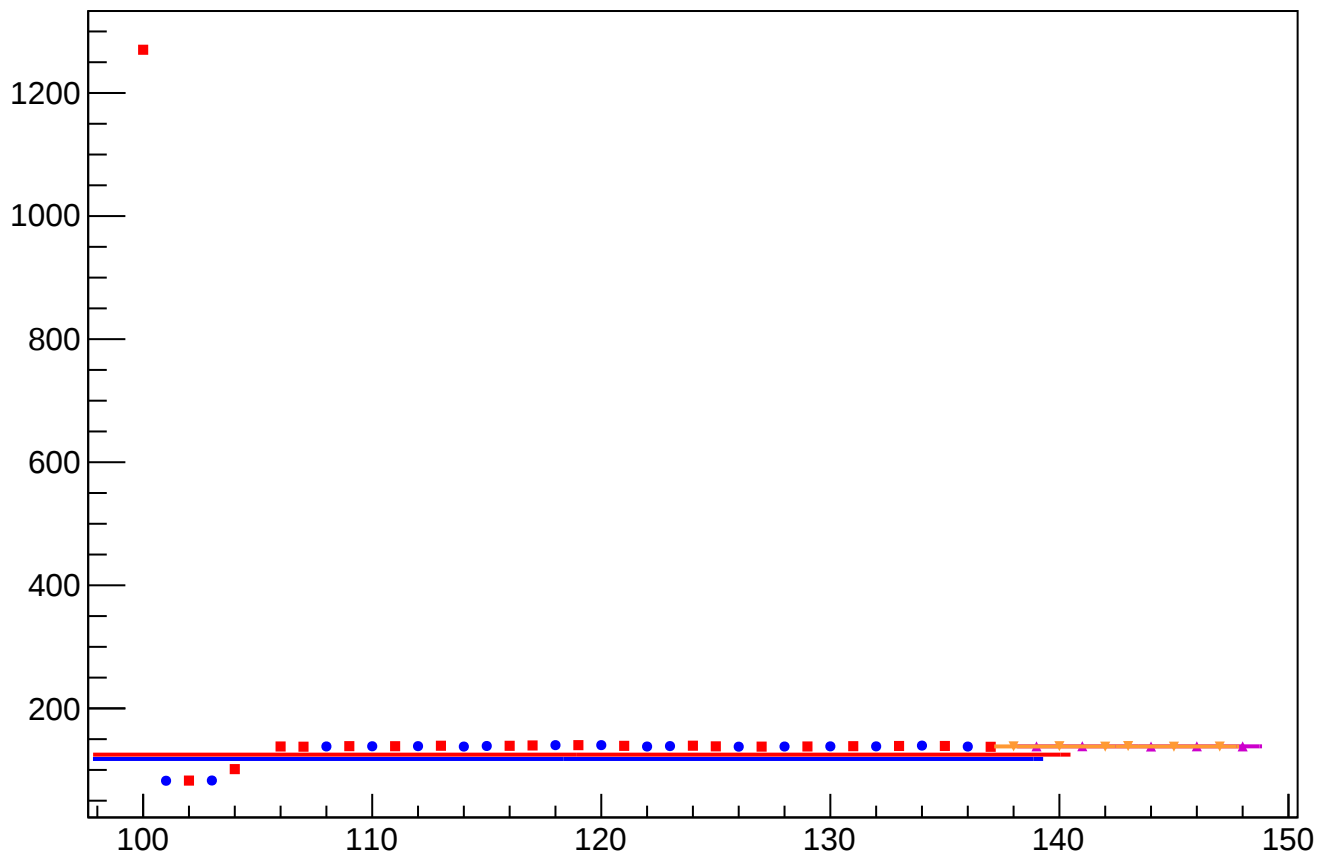
Right Out: -59.211 ± 47.588 $\chi^2/\text{NDF}: 15.6/19$

Left In: 14.833 ± 68.675 $\chi^2/\text{NDF}: 4.2/4$

-15.182 ± 38.460 $\chi^2/\text{NDF}: 16.4/22$

-35.191 ± 39.115 $\chi^2/\text{NDF}: 20.6/24$

reg_asym_dsr_rms vs Slug



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

Left Out: 138.178+/-0.048 χ^2/NDF : 59.8/5

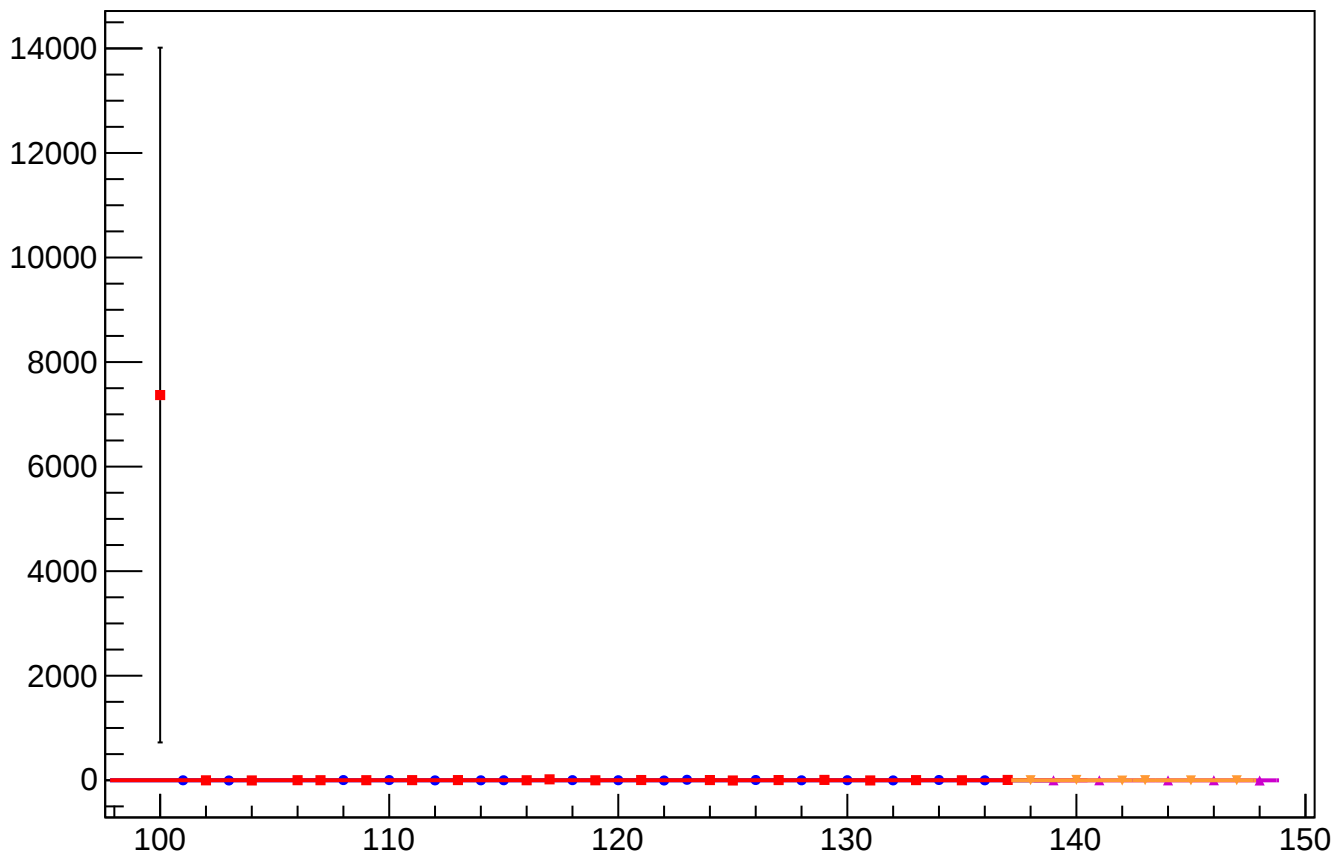
Right Out: 124.839+/-0.034 χ^2/NDF : 570766.0/19

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

124.412+/-0.027 χ^2/NDF : 789442.9/22

129.216+/-0.028 χ^2/NDF : 622937.5/24

asym_dsr_correction_mean vs Slug



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

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

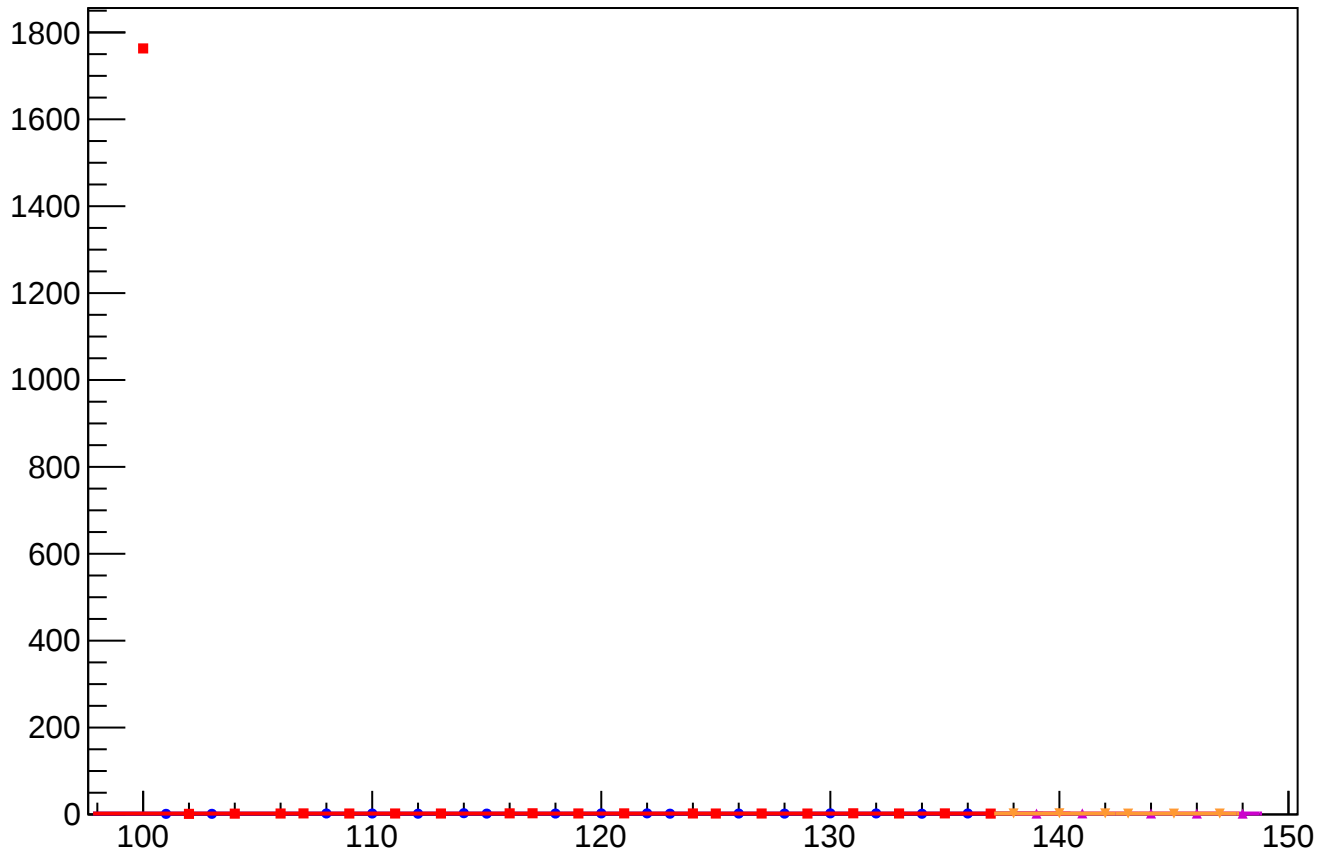
Right Out: 0.719+/-0.849 χ^2/NDF : 15.3/19

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

-0.504+/-0.664 χ^2/NDF : 20.6/22

-0.054+/-0.689 χ^2/NDF : 19.9/24

asym_dsr_correction_rms vs Slug



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

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

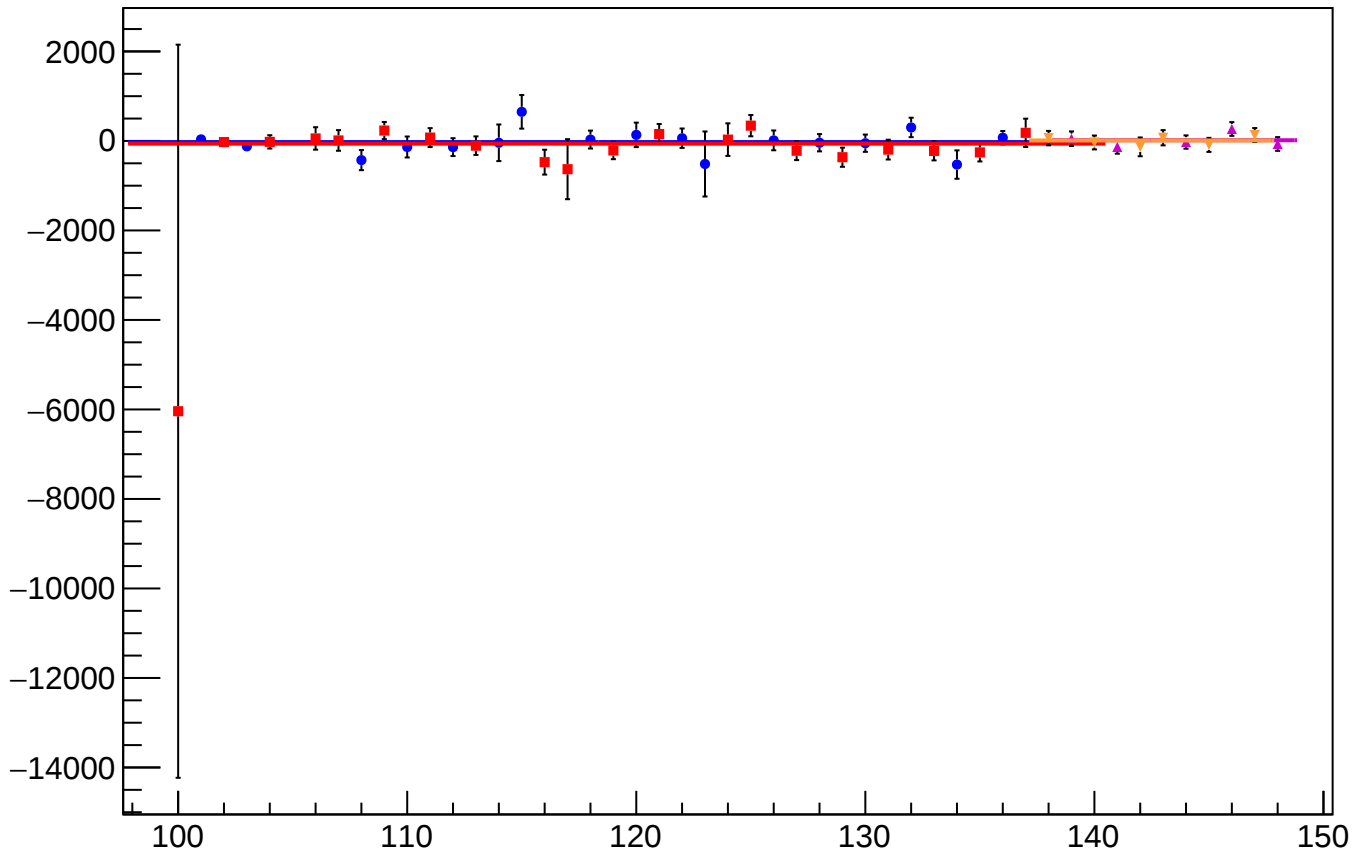
Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

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

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

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

asym_dsr_mean vs Slug



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

Left Out: 10.602 $\pm$ 67.585 χ^2 /NDF: 1.8/5

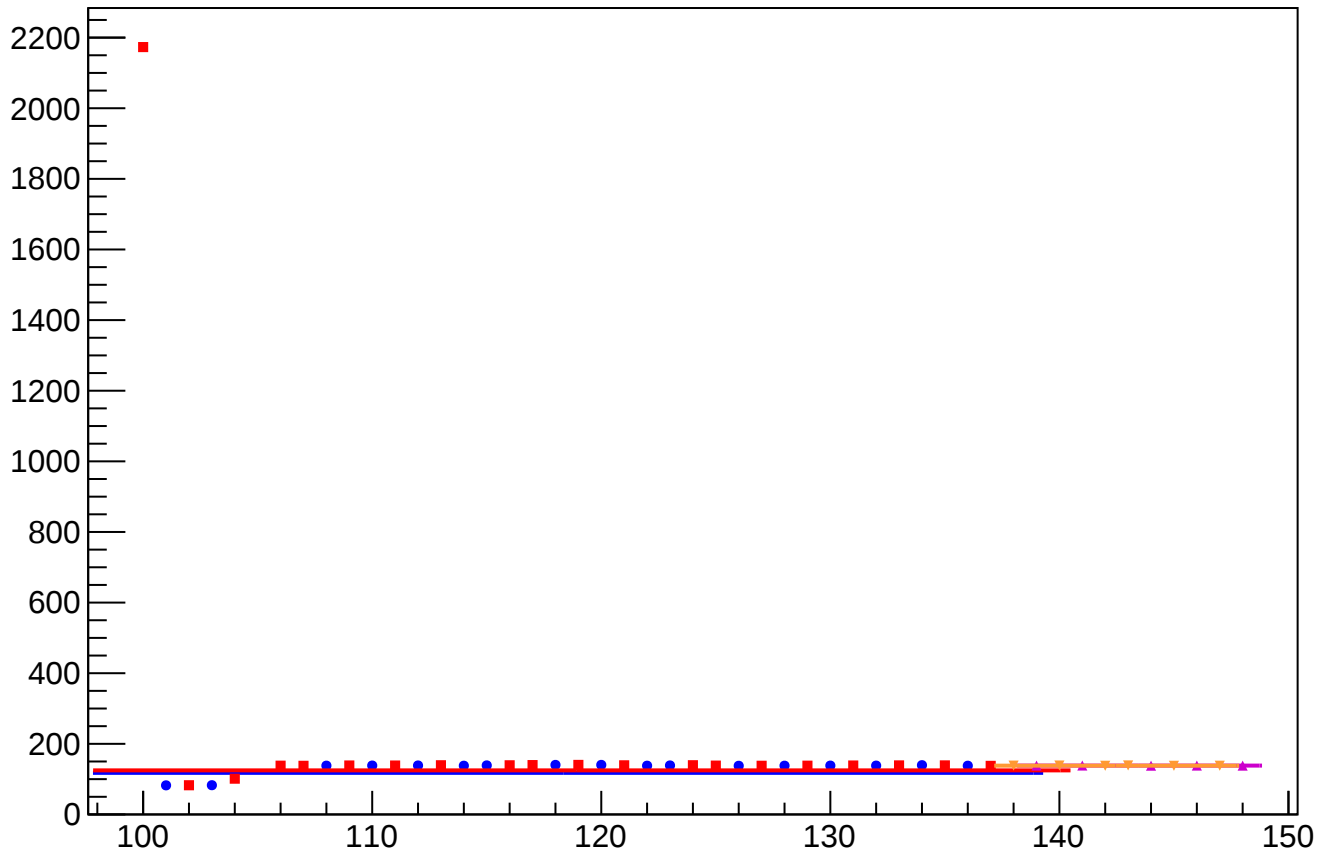
Right Out: -60.159 $\pm$ 47.602 χ^2 /NDF: 16.2/19

Left In: 15.738 $\pm$ 68.693 χ^2 /NDF: 4.1/4

-14.316 $\pm$ 38.470 χ^2 /NDF: 16.4/22

-35.536 $\pm$ 39.126 χ^2 /NDF: 21.2/24

asym_dsr_rms vs Slug



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

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

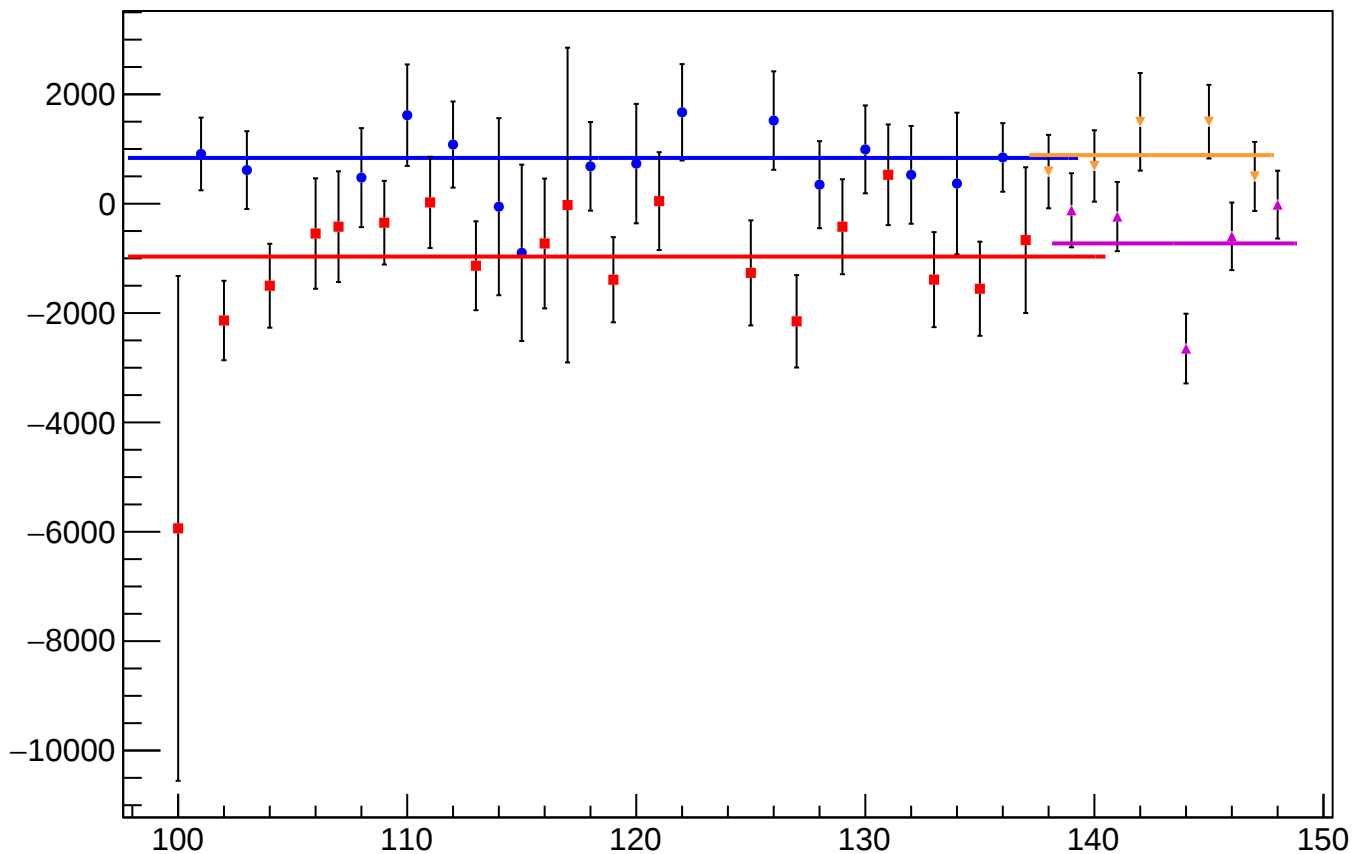
Right Out: 124.828 $\pm$ 0.034 χ^2 /NDF: 581349.7/19

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

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

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

reg_asym_left_avg_mean vs Slug



Right In: 837.048 ± 216.181 $\chi^2/\text{NDF}: 4.7/15$

Left Out: 888.498 ± 308.062 $\chi^2/\text{NDF}: 2.0/4$

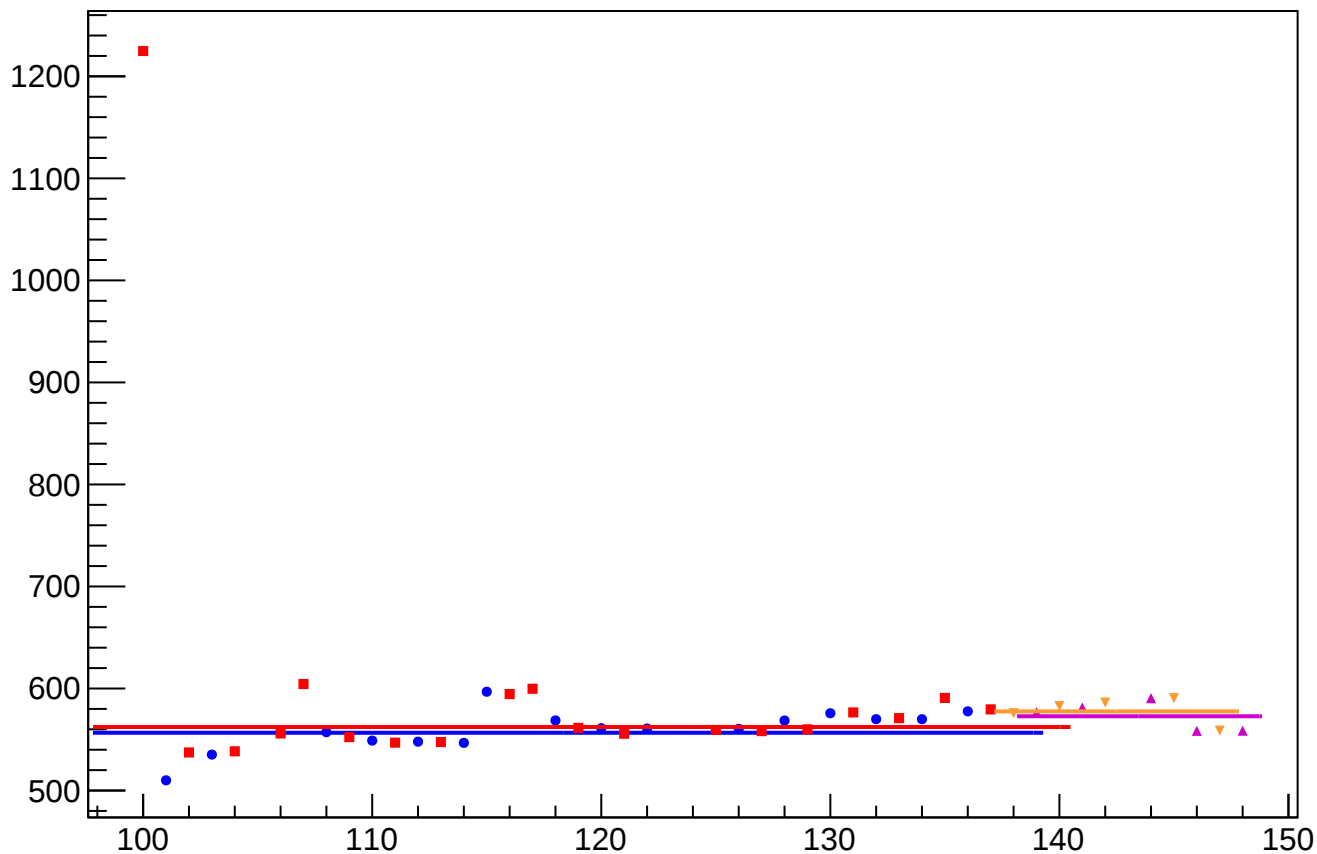
Right Out: -967.277 ± 212.168 $\chi^2/\text{NDF}: 14.4/18$

Left In: -726.462 ± 284.418 $\chi^2/\text{NDF}: 11.9/4$

854.024 ± 176.957 $\chi^2/\text{NDF}: 6.7/20$

-881.180 ± 170.062 $\chi^2/\text{NDF}: 26.7/23$

reg_asym_left_avg_rms vs Slug



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

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

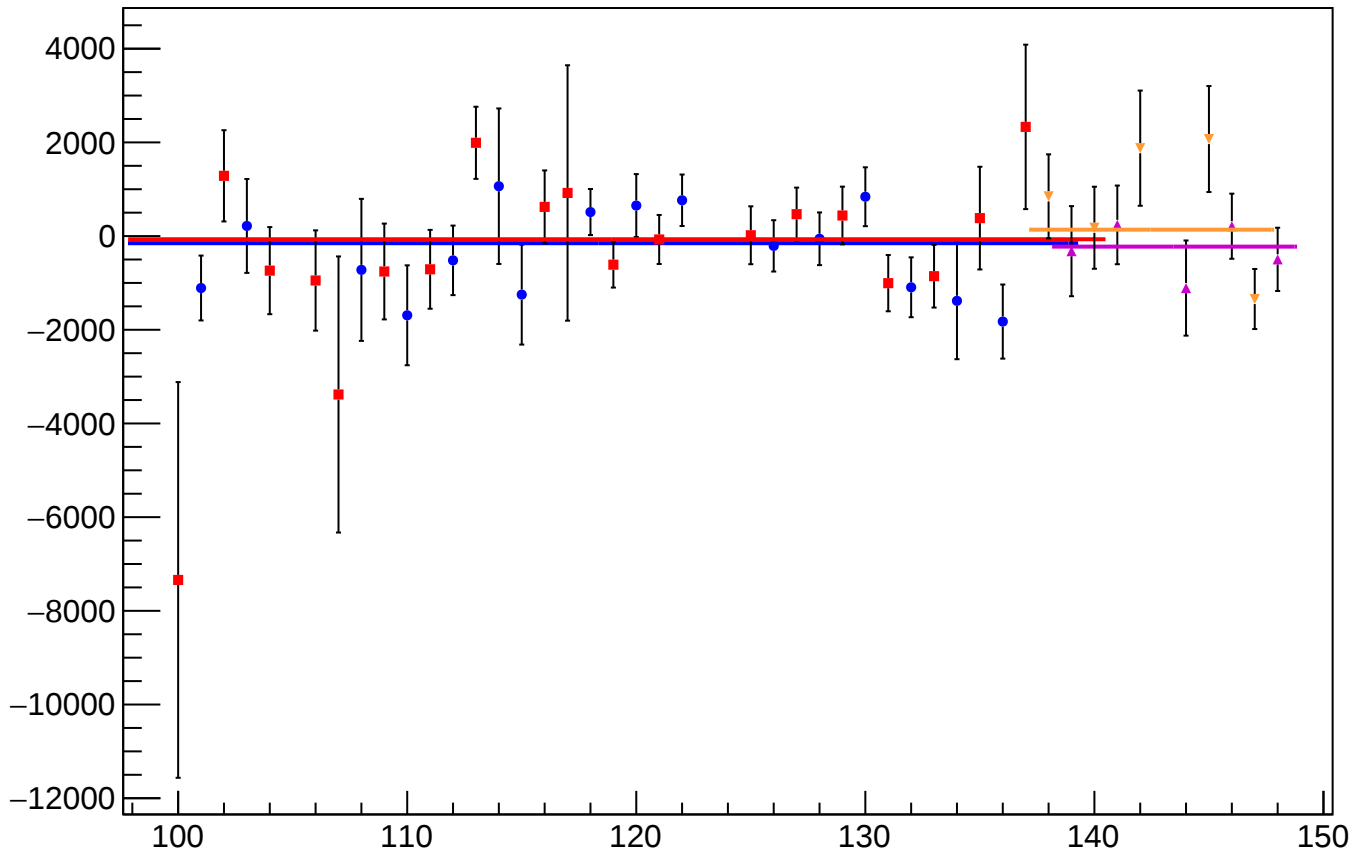
Right Out: 562.253+/-0.150 χ^2/NDF : 55916.7/18

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

563.552+/-0.125 χ^2/NDF : 27444.3/20

566.020+/-0.120 χ^2/NDF : 61776.2/23

asym_left_avg_correction_mean vs Slug



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

Left Out: 137.026+/-394.625 χ^2/NDF : 10.9/4

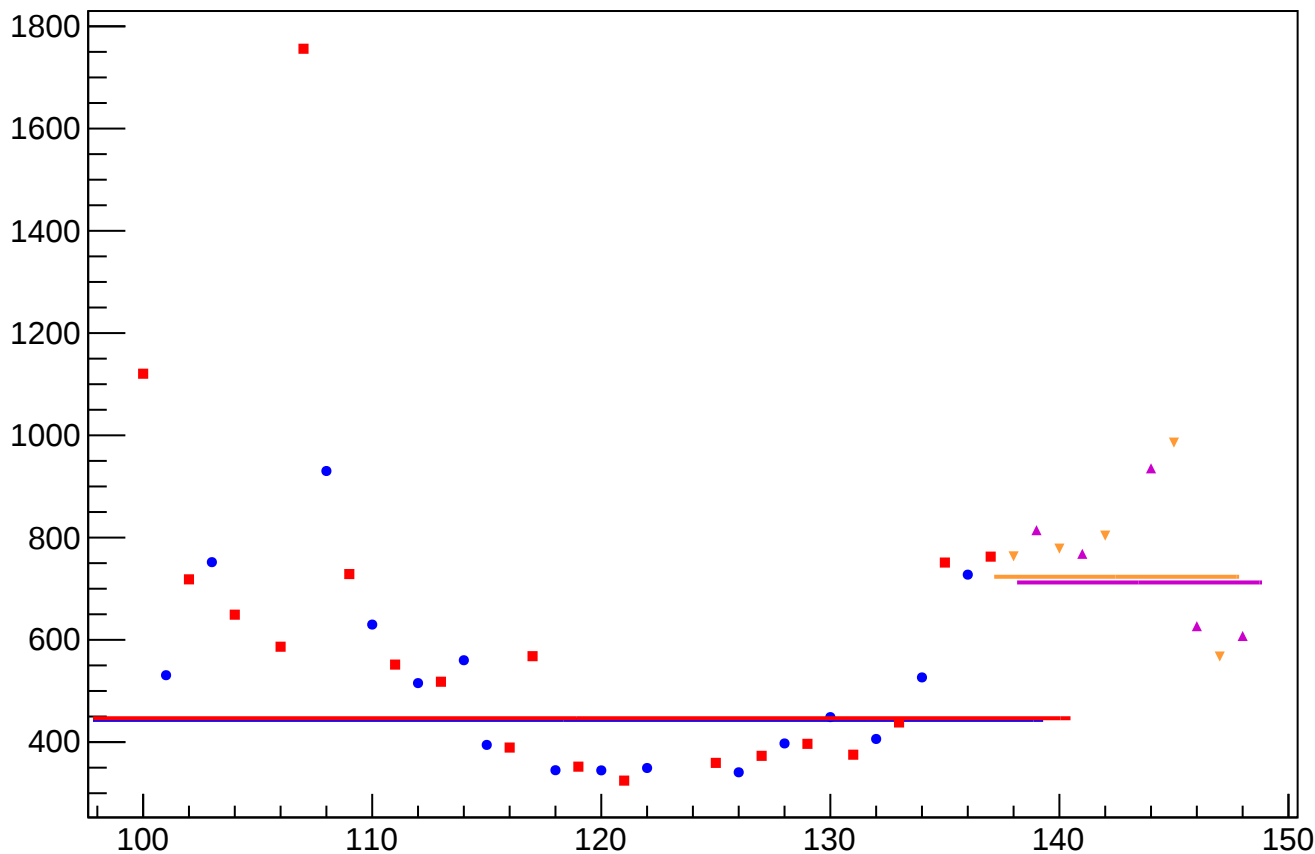
Right Out: -67.516+/-178.283 χ^2/NDF : 25.1/18

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

-102.085+/-163.827 χ^2/NDF : 33.6/20

-98.544+/-159.737 χ^2/NDF : 26.9/23

asym_left_avg_correction_rms vs Slug



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

Left Out: 723.391+/-0.279 χ^2/NDF : 246376.6/4

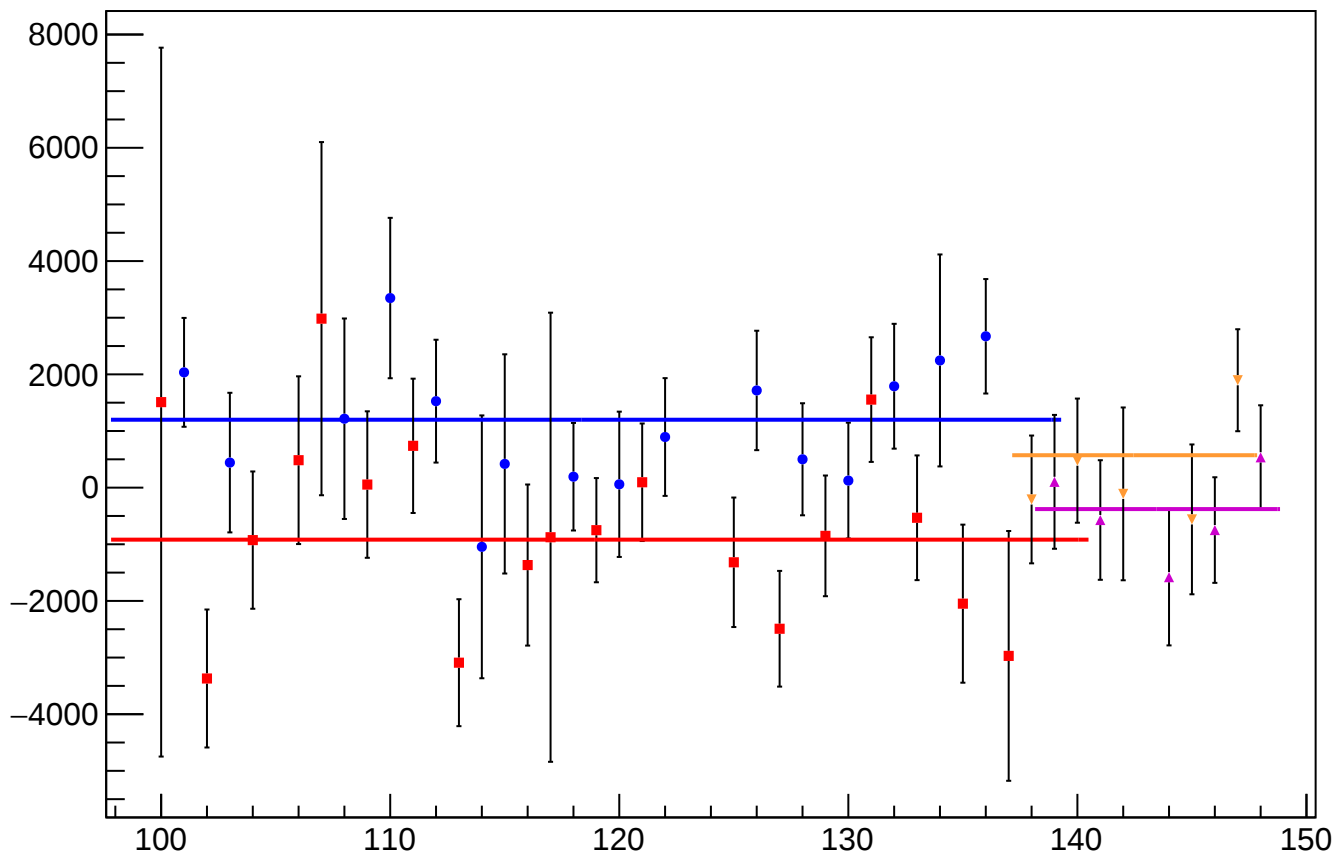
Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

Left In: 712.250+/-0.254 χ^2/NDF : 206386.0/4

491.697+/-0.116 χ^2/NDF : 2140307.4/20

499.050+/-0.113 χ^2/NDF : 2545716.3/23

asym_left_avg_mean vs Slug



Right In: 1198.972 ± 295.243 χ^2/NDF : 11.2/15

Left Out: 572.370 ± 509.434 χ^2/NDF : 3.6/4

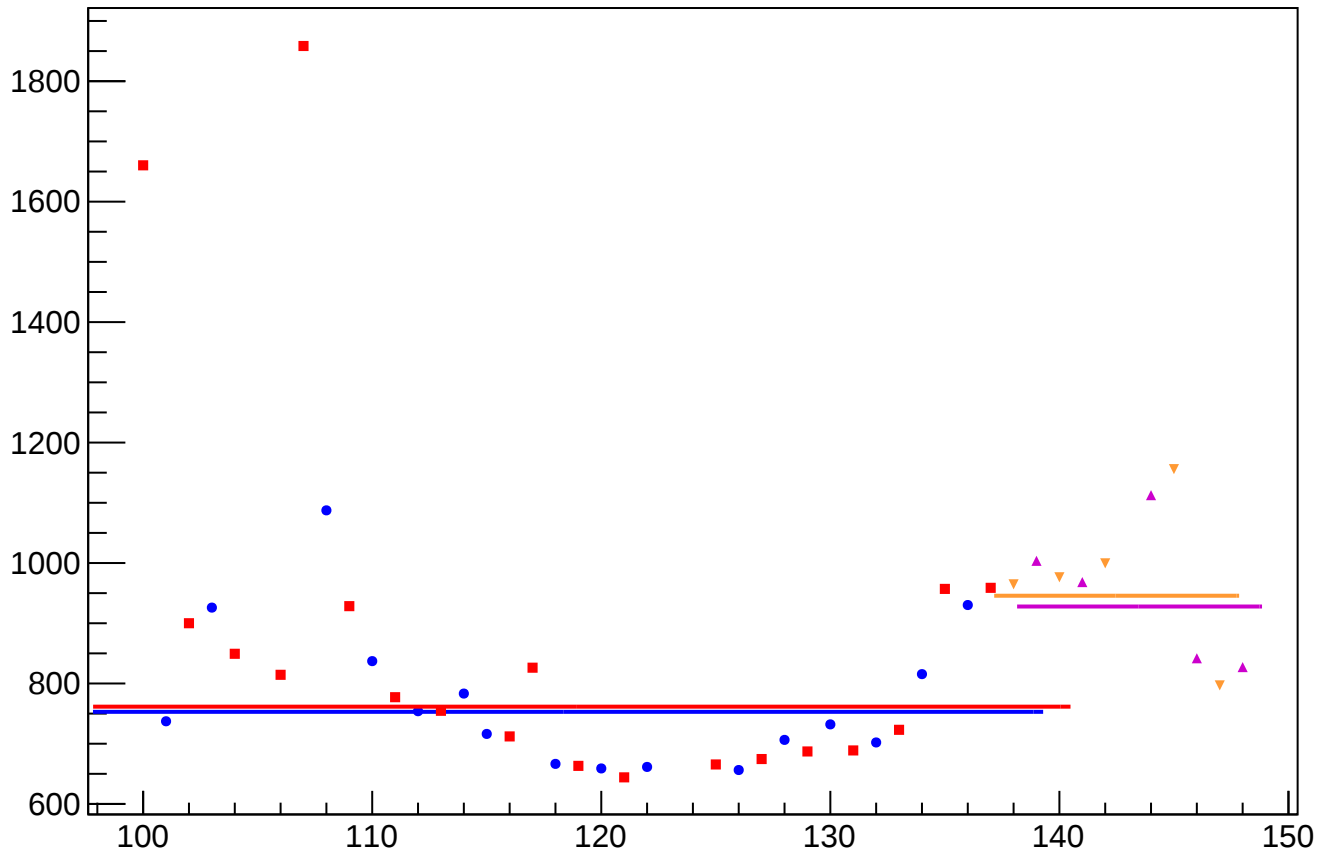
Right Out: -918.180 ± 292.495 χ^2/NDF : 23.2/18

Left In: -378.472 ± 464.313 χ^2/NDF : 2.3/4

1041.426 ± 255.444 χ^2/NDF : 15.9/20

-764.850 ± 247.483 χ^2/NDF : 26.5/23

asym_left_avg_rms vs Slug



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

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

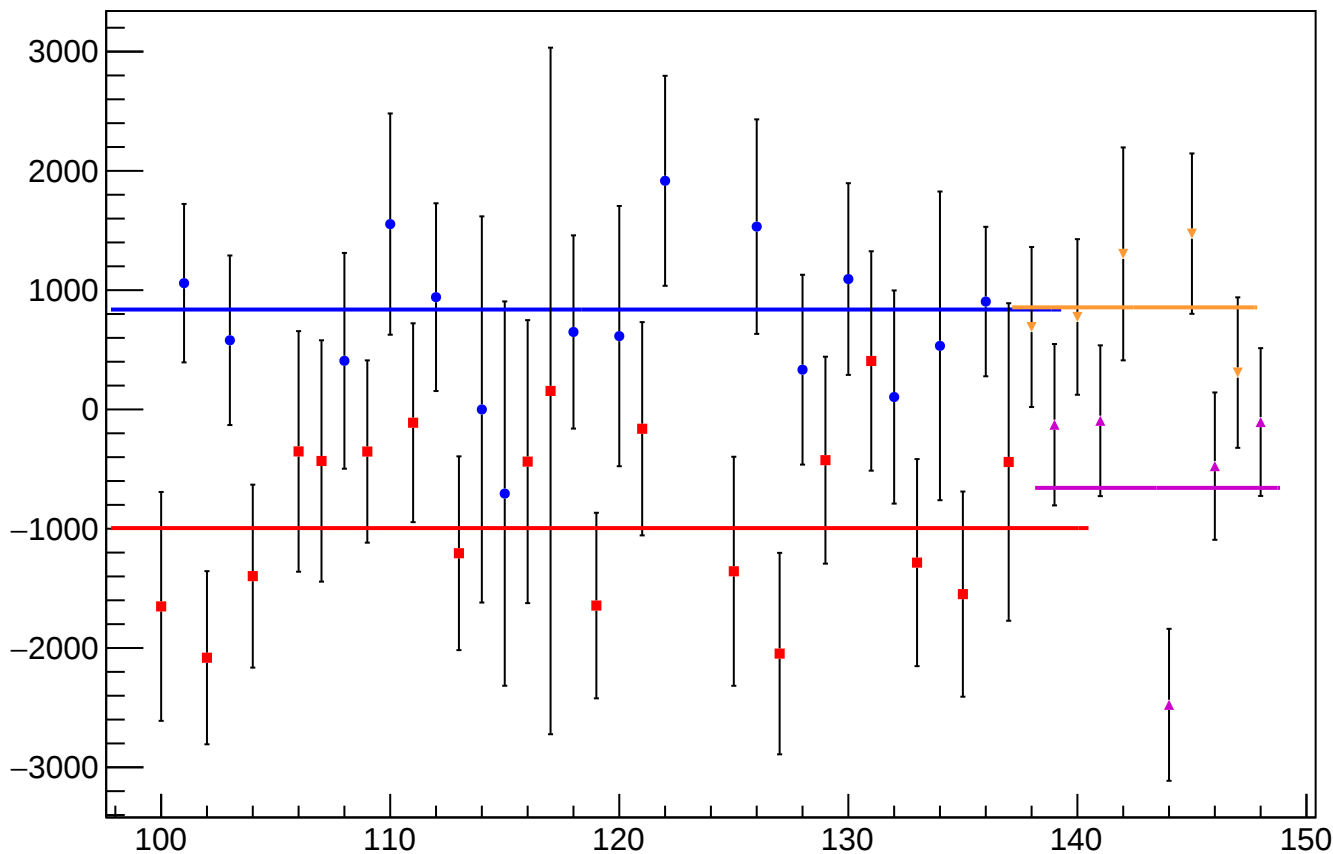
Right Out: 761.514 $\pm$ 0.207 χ^2 /NDF: 517672.2/18

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

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

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

reg_asym_left_dd_mean vs Slug



Right In: 837.557 ± 216.015 $\chi^2/\text{NDF}: 5.7/15$

Left Out: 855.827 ± 307.797 $\chi^2/\text{NDF}: 1.9/4$

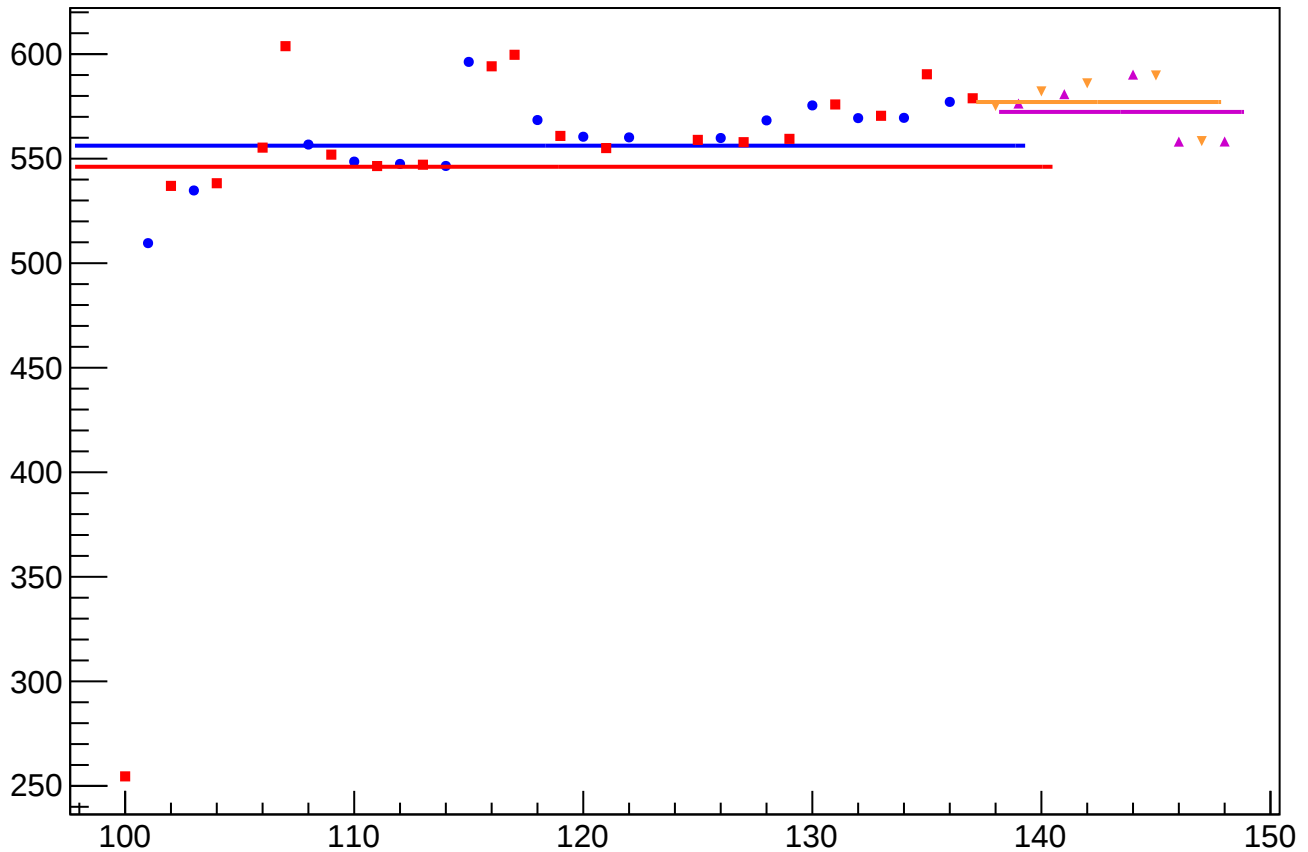
Right Out: -994.626 ± 207.208 $\chi^2/\text{NDF}: 12.7/18$

Left In: -657.513 ± 284.201 $\chi^2/\text{NDF}: 10.4/4$

843.586 ± 176.816 $\chi^2/\text{NDF}: 7.6/20$

-877.622 ± 167.432 $\chi^2/\text{NDF}: 24.0/23$

reg_asym_left_dd_rms vs Slug



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

Left Out: 577.097 $\pm$ 0.218 χ^2 /NDF: 2808.4/4

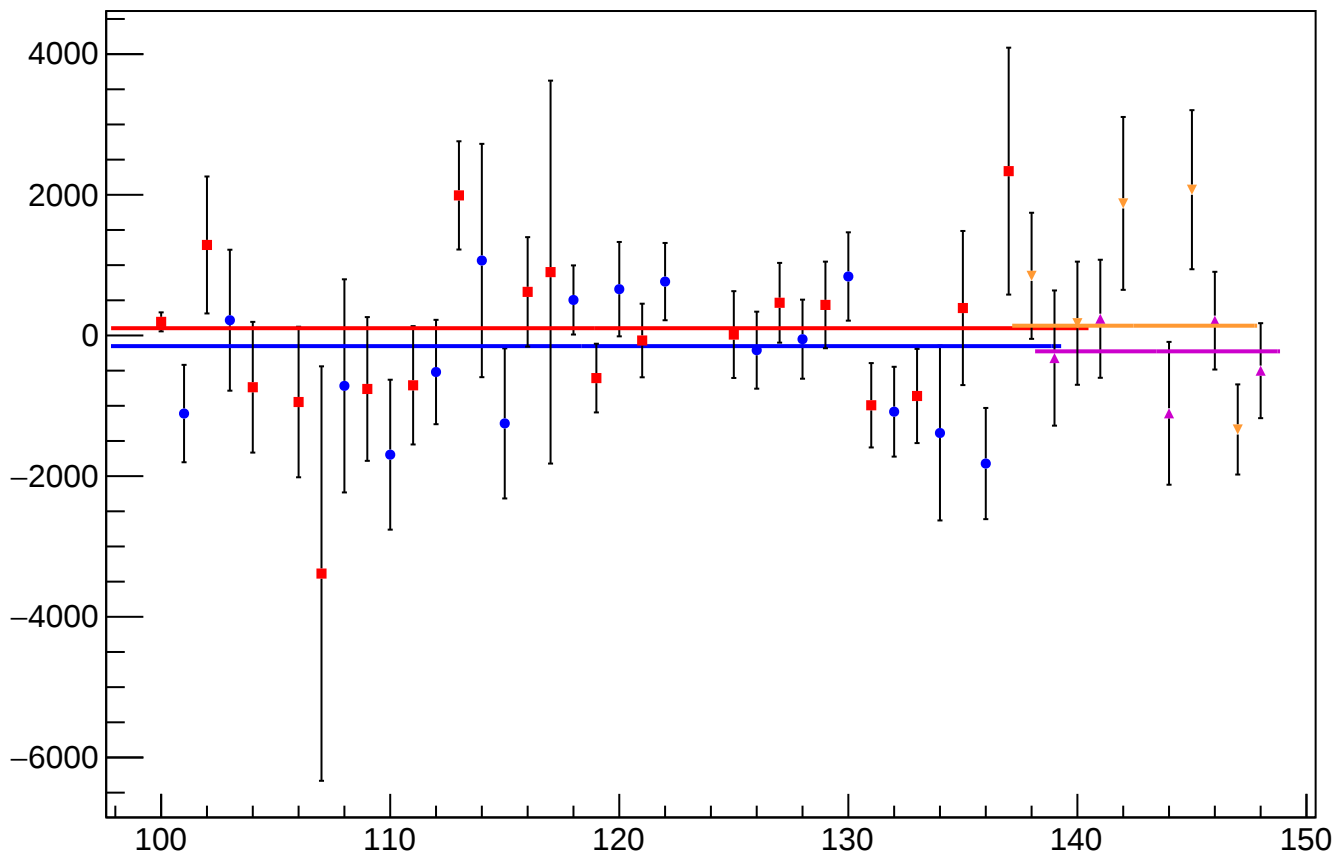
Right Out: 546.124 $\pm$ 0.147 χ^2 /NDF: 208336.6/18

Left In: 572.354 $\pm$ 0.201 χ^2 /NDF: 4102.6/4

563.103 $\pm$ 0.125 χ^2 /NDF: 27396.0/20

555.227 $\pm$ 0.118 χ^2 /NDF: 223562.5/23

asym_left_dd_correction_mean vs Slug



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

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

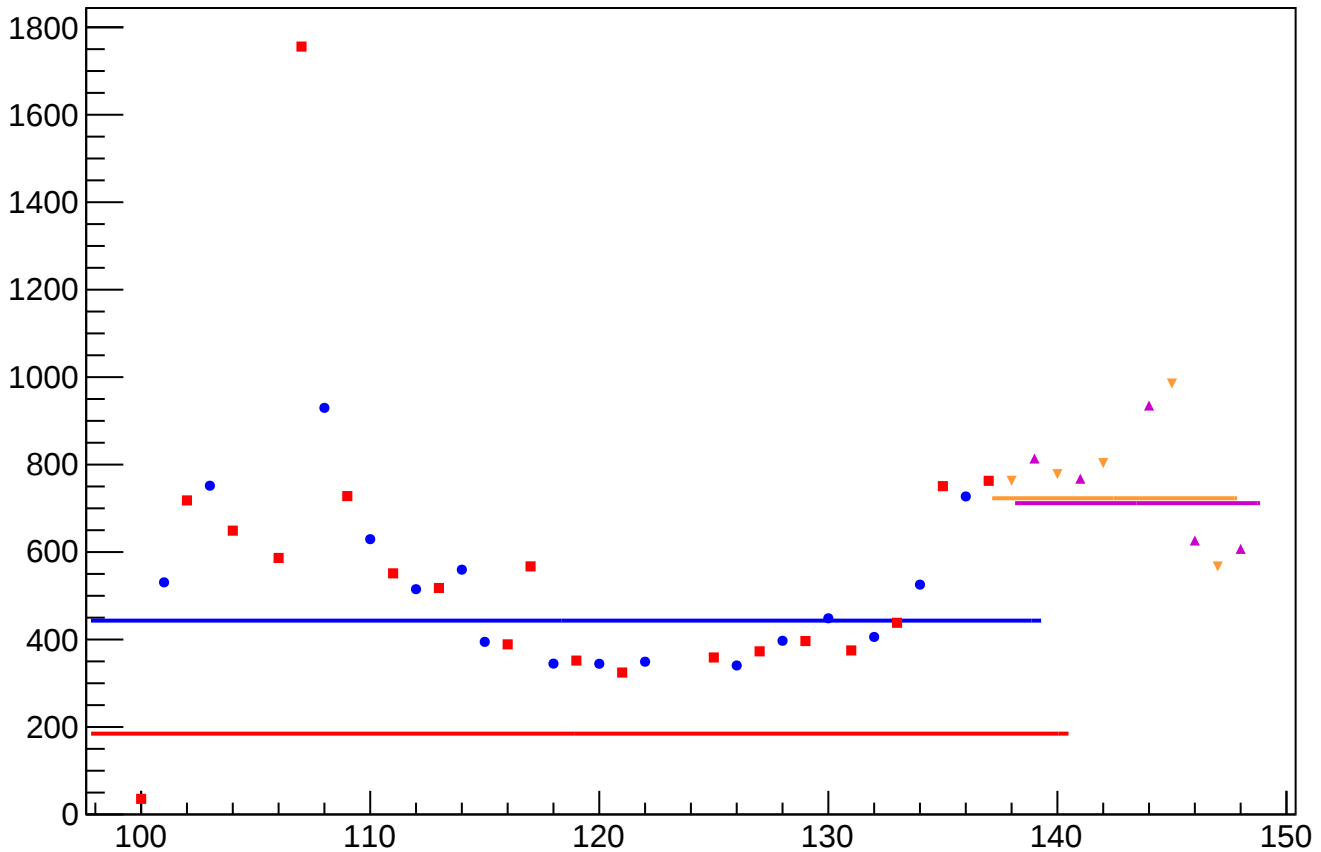
Right Out: 103.328+/-107.623 χ^2/NDF : 23.3/18

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

-101.422+/-163.748 χ^2/NDF : 33.6/20

76.274+/-103.102 χ^2/NDF : 25.7/23

asym_left_dd_correction_rms vs Slug



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

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

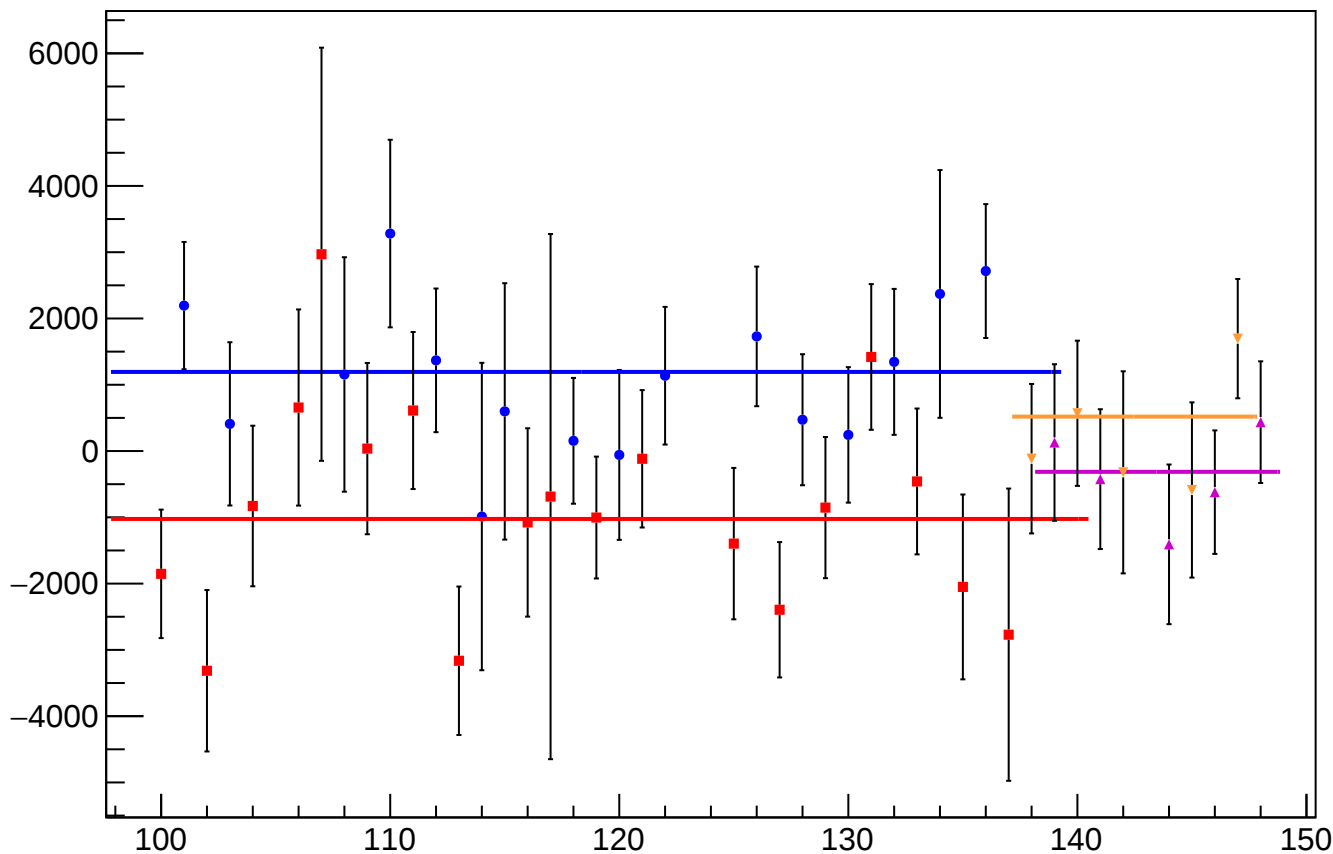
491.461+/-0.116 χ^2/NDF : 2140312.4/20

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

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

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

asym_left_dd_mean vs Slug



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

Left Out: 519.597 ± 509.137 χ^2/NDF : 3.0/4

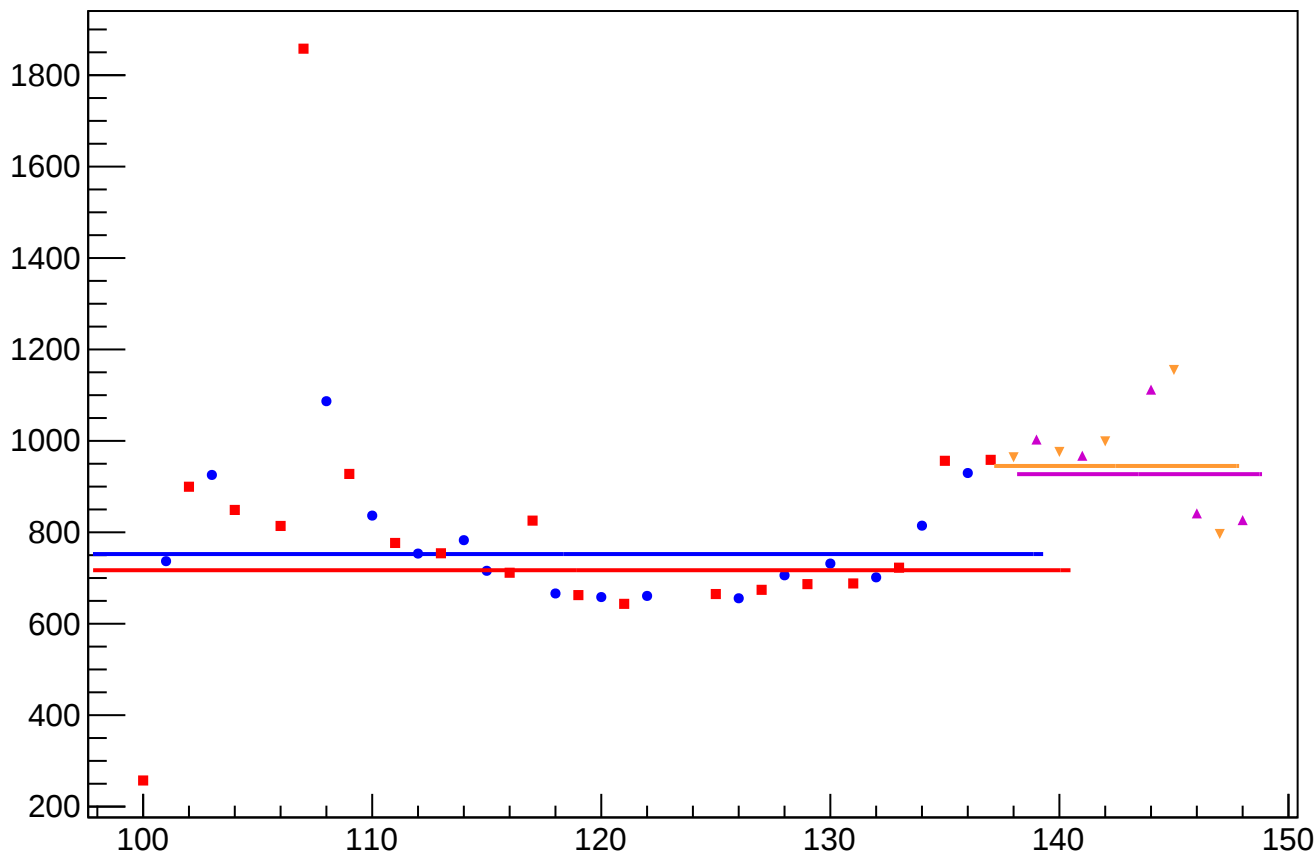
Right Out: -1024.435 ± 280.119 χ^2/NDF : 22.5/18

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

1024.344 ± 255.279 χ^2/NDF : 15.5/20

-834.601 ± 239.811 χ^2/NDF : 26.0/23

asym_left_dd_rms vs Slug



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

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

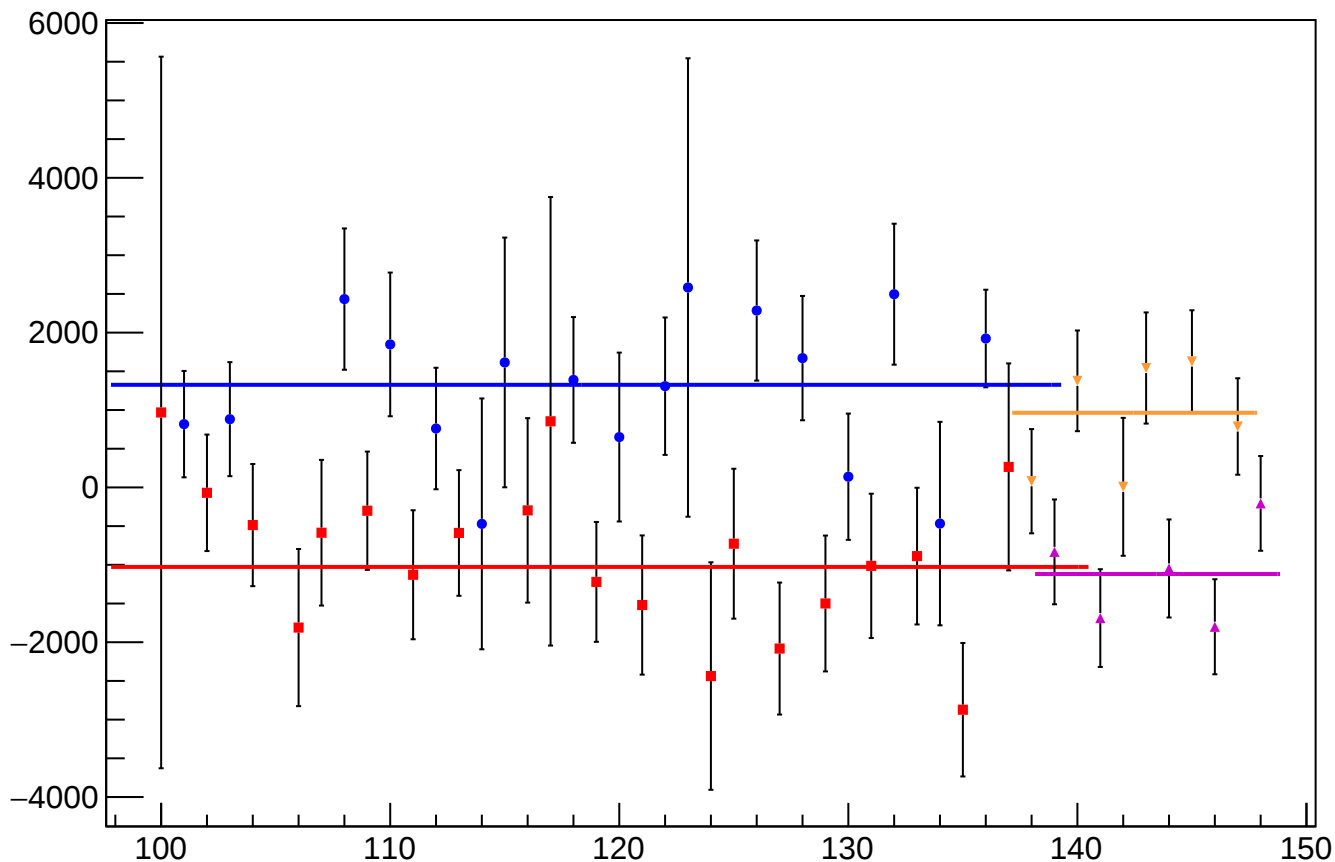
Right Out: 717.067+/-0.198 χ^2/NDF : 968442.7/18

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

800.877+/-0.181 χ^2/NDF : 576992.6/20

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

reg_asym_right_avg_mean vs Slug



Right In: 1325.776 ± 218.106 χ^2/NDF : 12.9/16

Left Out: 964.347 ± 281.430 χ^2/NDF : 5.0/5

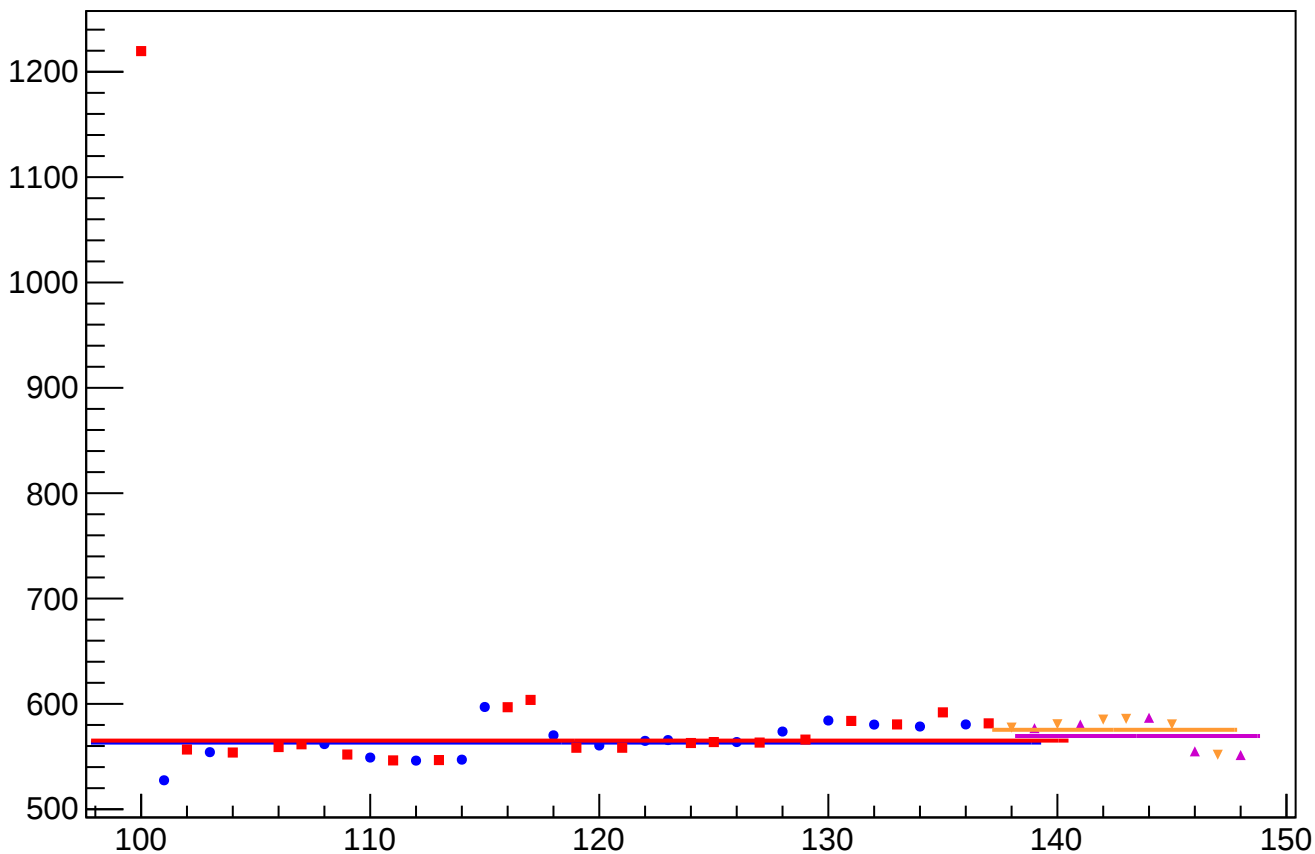
Right Out: -1026.996 ± 211.021 χ^2/NDF : 13.8/19

Left In: -1118.516 ± 282.806 χ^2/NDF : 4.5/4

1190.154 ± 172.395 χ^2/NDF : 18.9/22

-1059.728 ± 169.127 χ^2/NDF : 18.4/24

reg_asym_right_avg_rms vs Slug



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

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

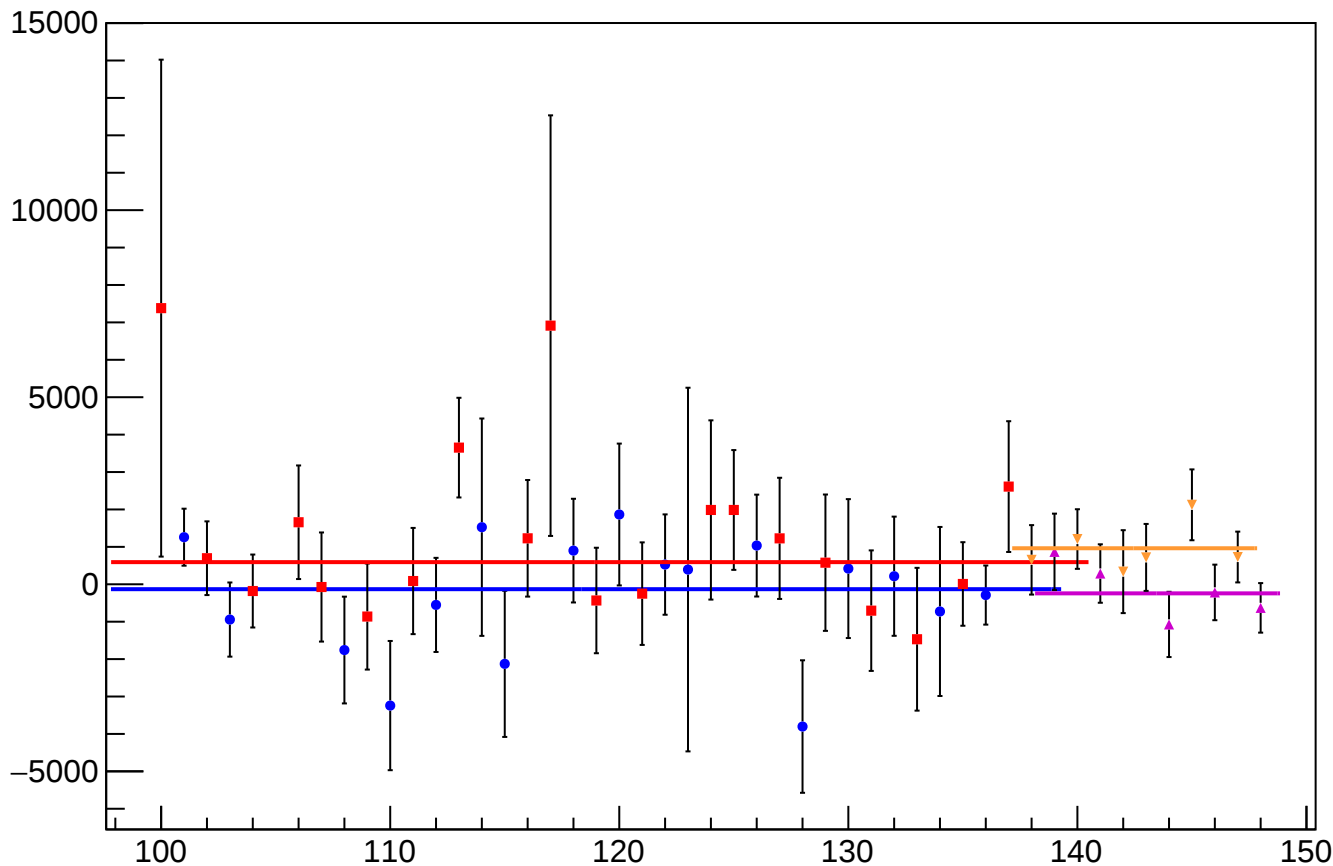
Right Out: 565.150 ± 0.149 χ^2/NDF : 49653.1/19

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

567.820 ± 0.122 χ^2/NDF : 18658.1/22

566.708 ± 0.120 χ^2/NDF : 55154.7/24

asym_right_avg_correction_mean vs Slug



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

Left Out: 962.823+/-351.714 χ^2/NDF : 2.2/5

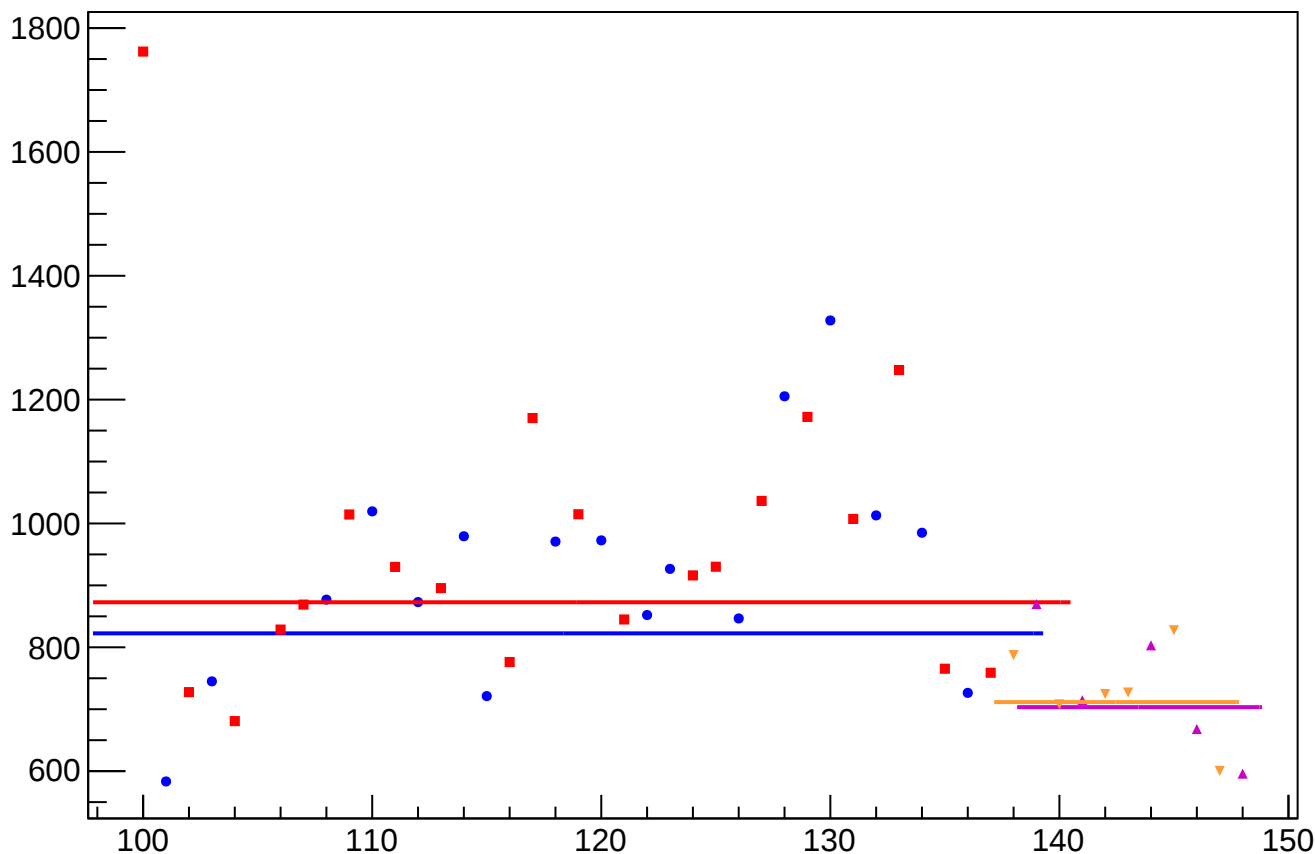
Right Out: 591.948+/-331.825 χ^2/NDF : 15.9/19

Left In: -242.701+/-353.436 χ^2/NDF : 2.9/4

377.059+/-239.715 χ^2/NDF : 24.6/22

200.920+/-241.915 χ^2/NDF : 21.7/24

asym_right_avg_correction_rms vs Slug



Right In: 822.527 ± 0.232 $\chi^2/\text{NDF}: 600956.1/16$

Left Out: 711.542 ± 0.249 $\chi^2/\text{NDF}: 97991.9/5$

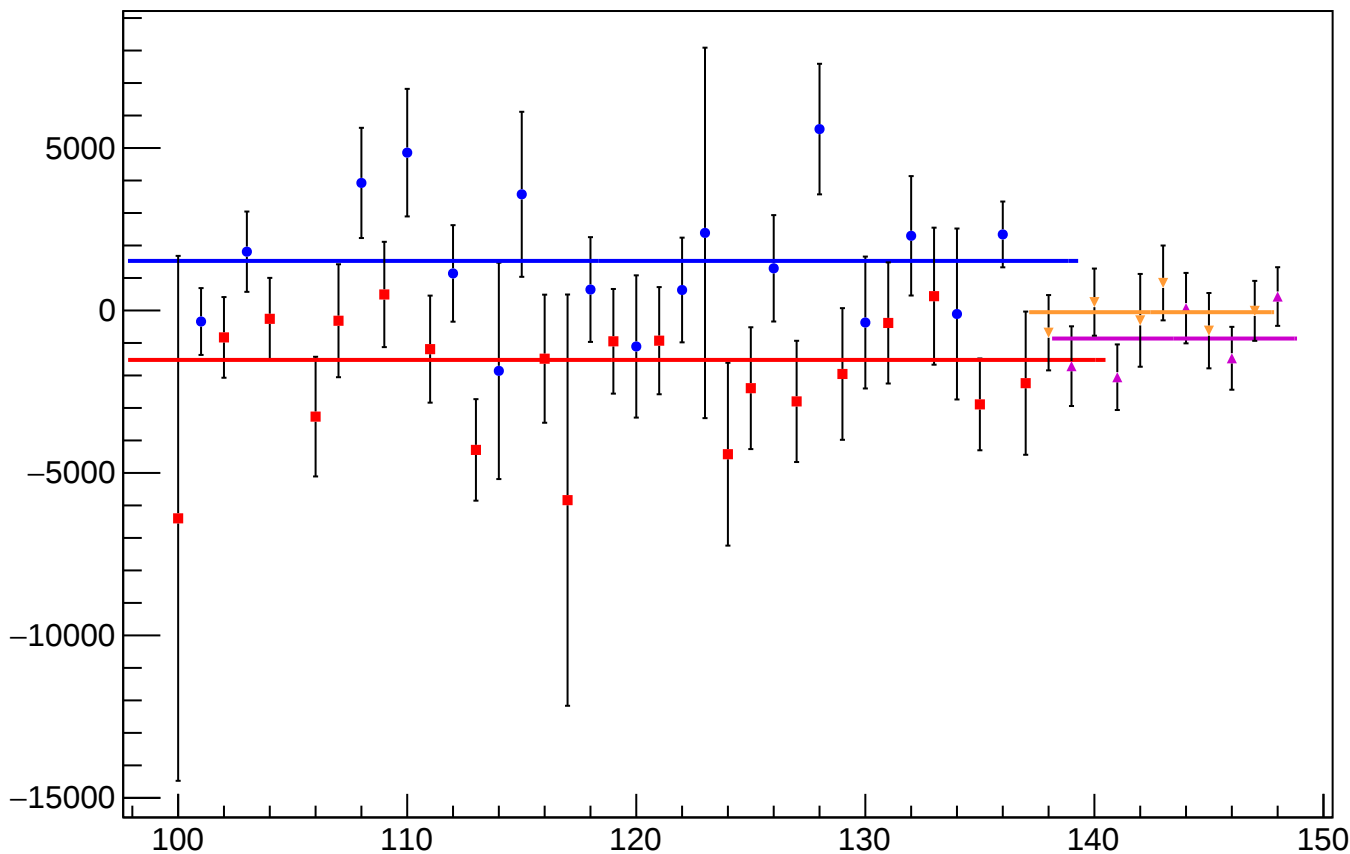
Right Out: 872.719 ± 0.235 $\chi^2/\text{NDF}: 412481.2/19$

Left In: 703.360 ± 0.250 $\chi^2/\text{NDF}: 136814.9/4$

770.971 ± 0.170 $\chi^2/\text{NDF}: 805586.9/22$

793.376 ± 0.171 $\chi^2/\text{NDF}: 793377.1/24$

asym_right_avg_mean vs Slug



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

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

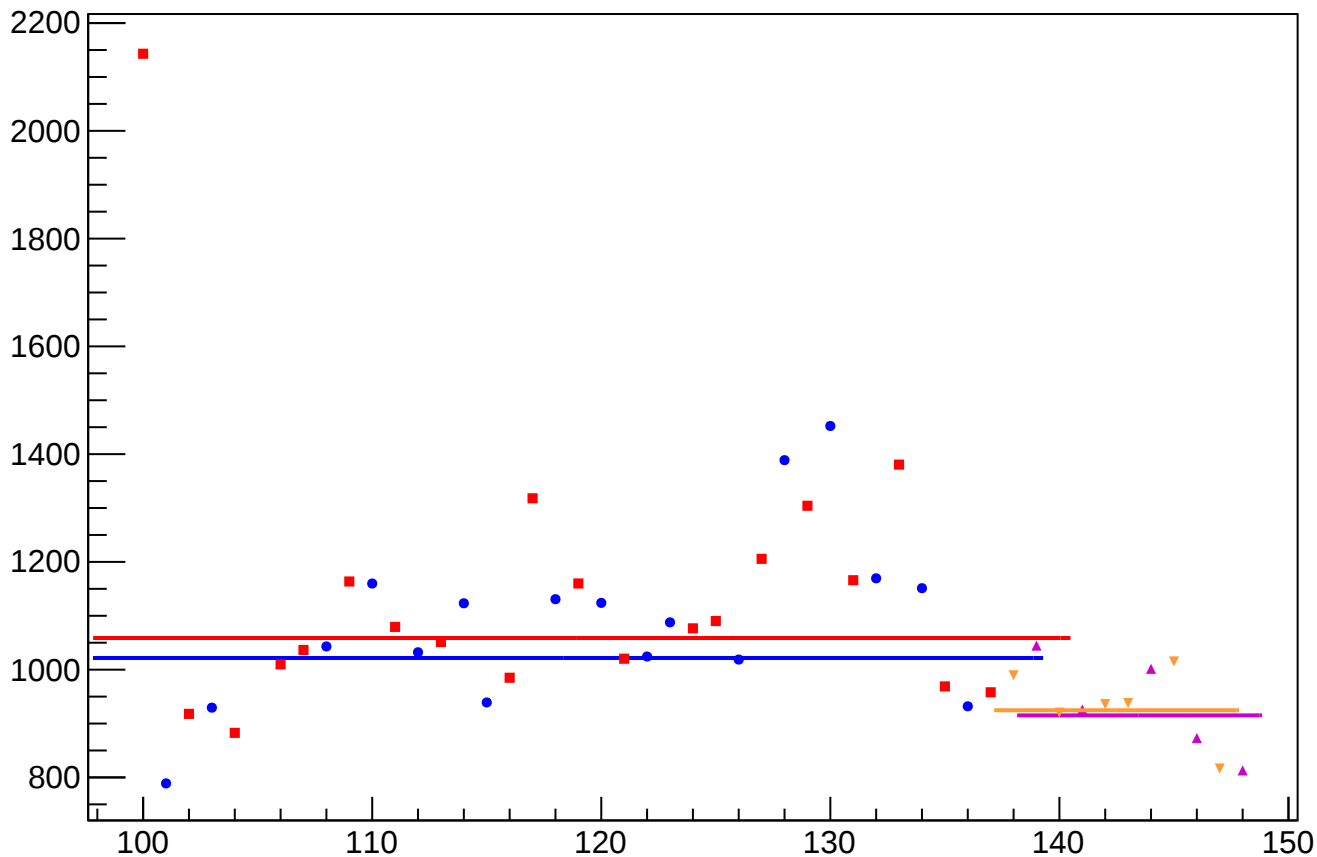
Right Out: -1521.641 $\pm$ 399.157 χ^2 /NDF: 12.6/19

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

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

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

asym_right_avg_rms vs Slug



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

Left Out: 924.669+/-0.321 χ^2/NDF : 46392.8/5

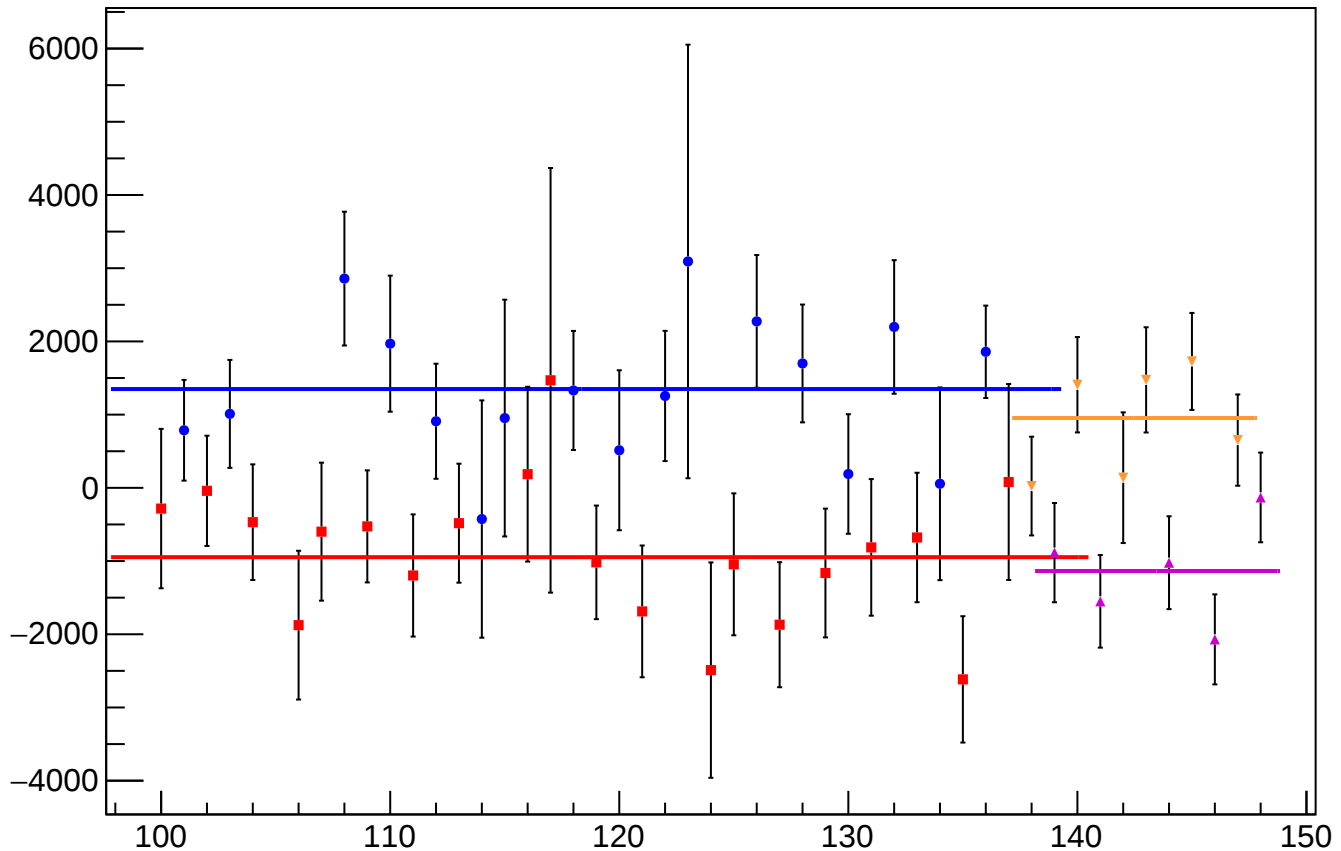
Right Out: 1058.783+/-0.282 χ^2/NDF : 234314.8/19

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

979.095+/-0.213 χ^2/NDF : 429498.7/22

996.588+/-0.213 χ^2/NDF : 411101.6/24

reg_asym_right_dd_mean vs Slug



Right In: 1349.156 ± 218.361 χ^2/NDF : 12.3/16

Left Out: 953.565 ± 281.698 χ^2/NDF : 5.3/5

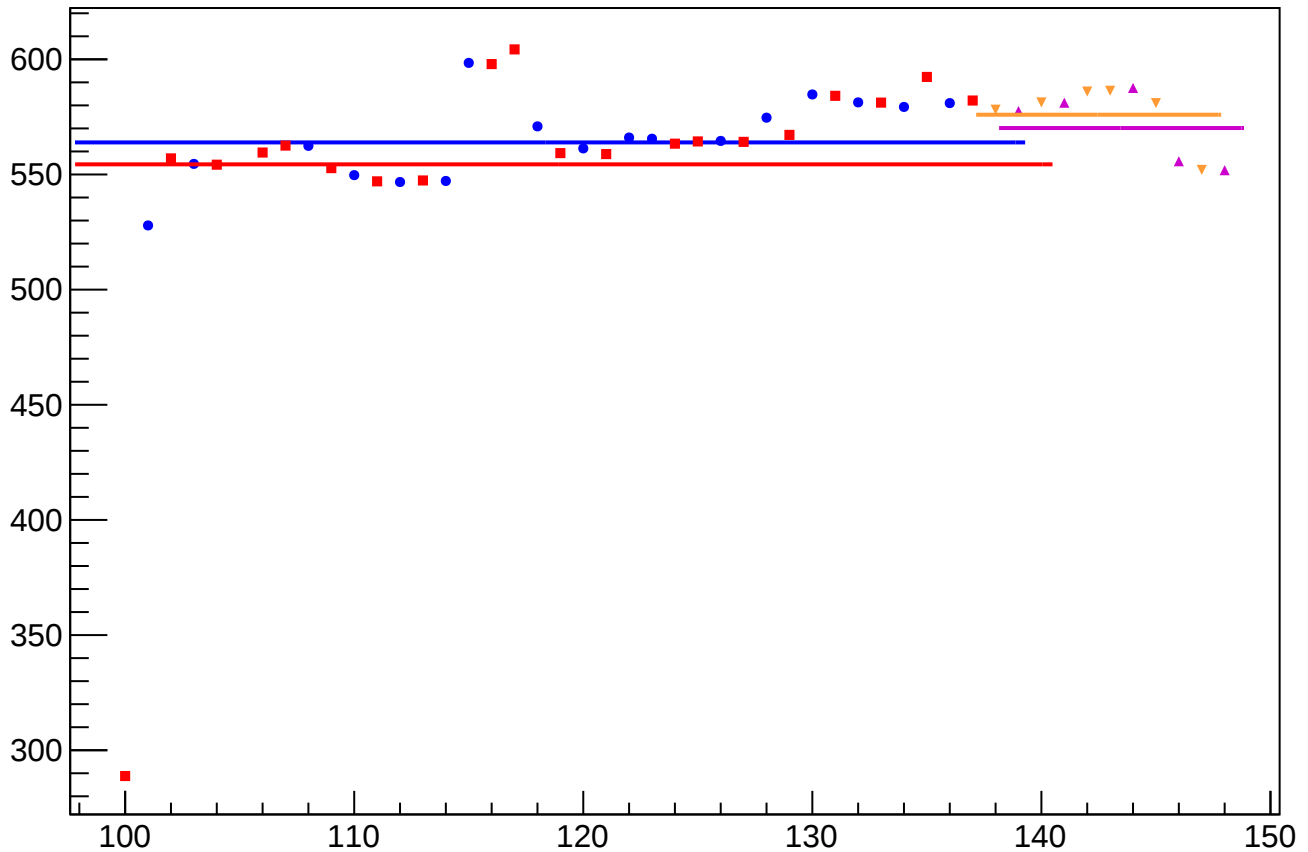
Right Out: -947.051 ± 207.609 χ^2/NDF : 12.9/19

Left In: -1135.836 ± 283.135 χ^2/NDF : 5.6/4

1200.674 ± 172.583 χ^2/NDF : 18.9/22

-1013.061 ± 167.423 χ^2/NDF : 18.8/24

reg_asym_right_dd_rms vs Slug



Right In: 563.922 ± 0.154 $\chi^2/\text{NDF}: 12663.1/16$

Left Out: 575.948 ± 0.199 $\chi^2/\text{NDF}: 3896.6/5$

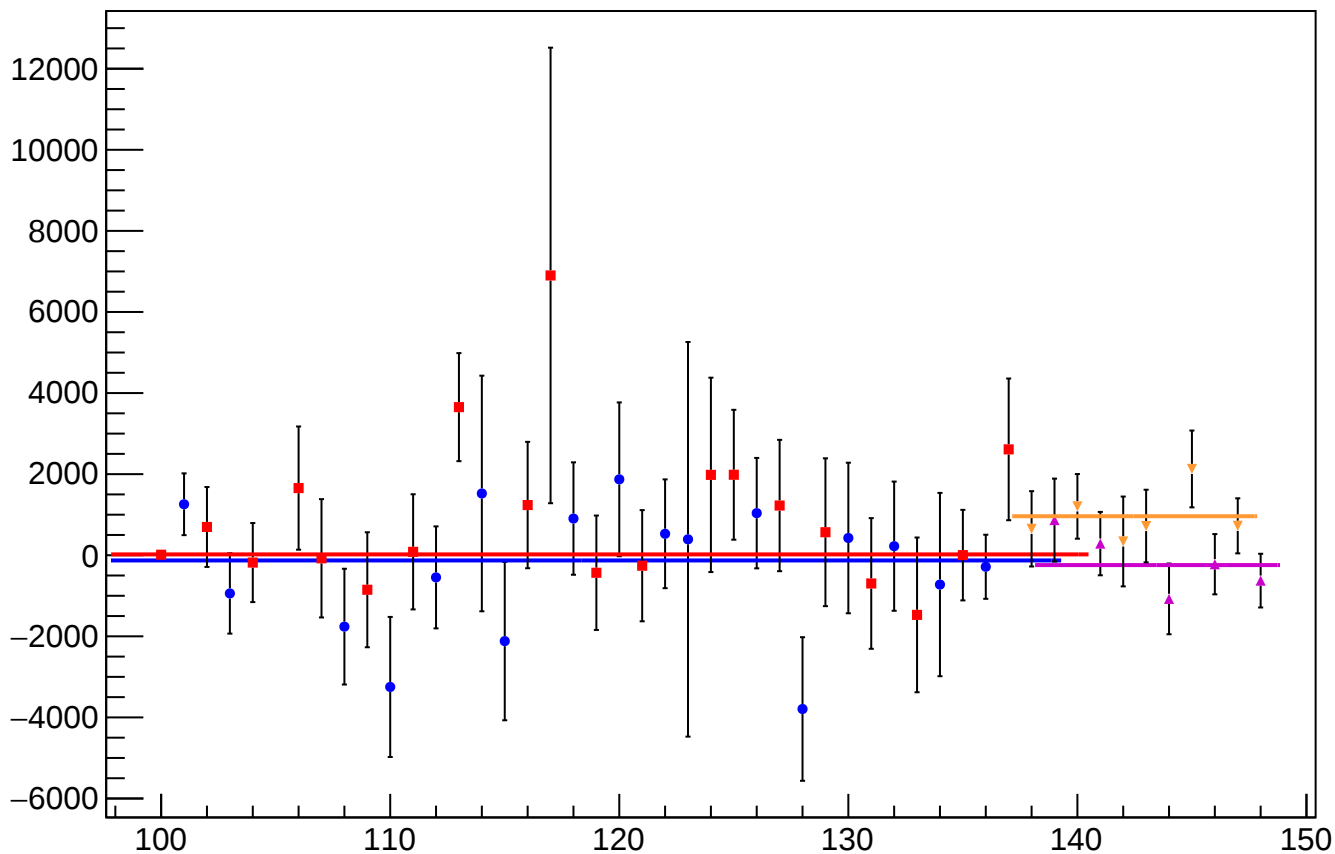
Right Out: 554.402 ± 0.147 $\chi^2/\text{NDF}: 132560.6/19$

Left In: 570.168 ± 0.200 $\chi^2/\text{NDF}: 5240.4/4$

568.436 ± 0.122 $\chi^2/\text{NDF}: 18836.4/22$

559.914 ± 0.118 $\chi^2/\text{NDF}: 141833.9/24$

asym_right_dd_correction_mean vs Slug



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

Left Out: 962.027 ± 351.821 χ^2/NDF : 2.2/5

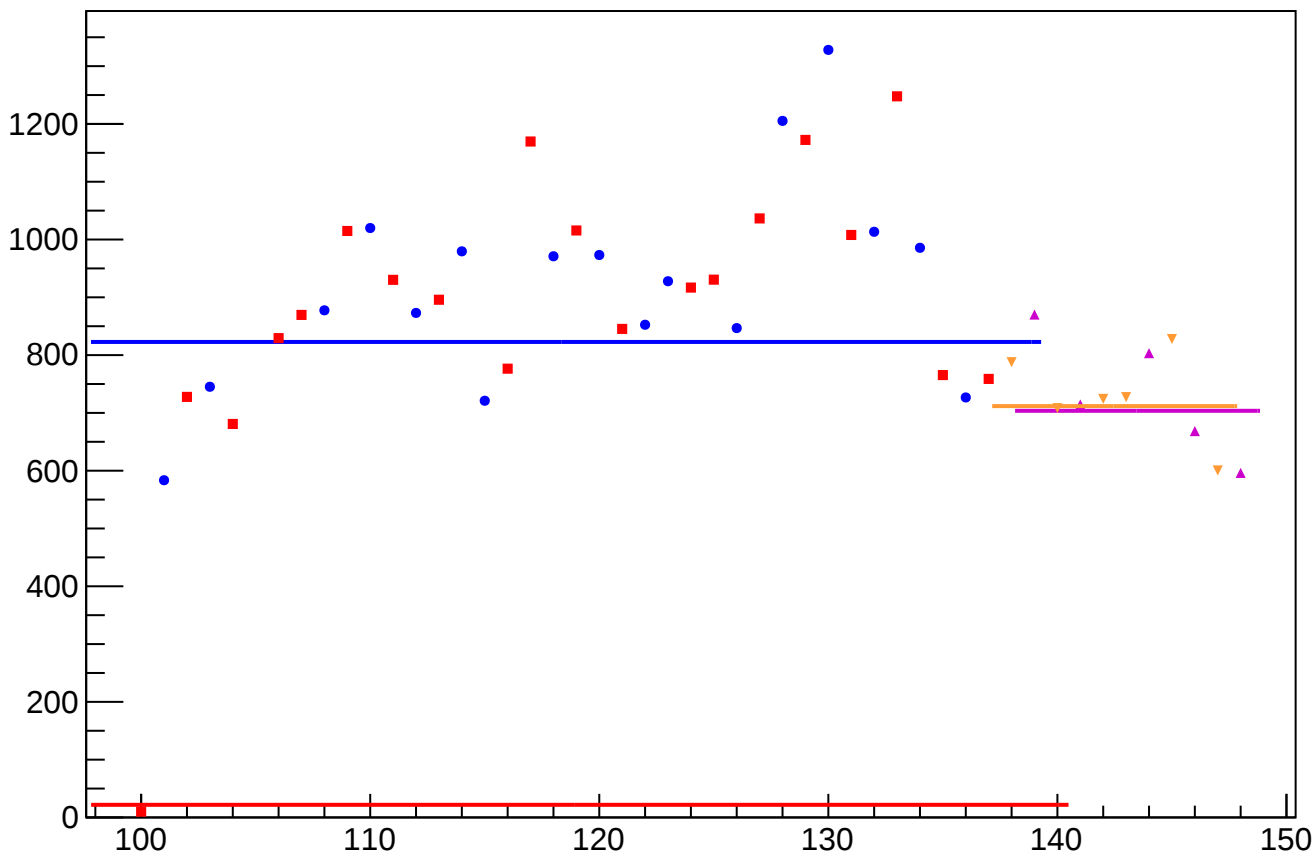
Right Out: 20.715 ± 38.953 χ^2/NDF : 17.6/19

Left In: -242.938 ± 353.571 χ^2/NDF : 2.9/4

377.961 ± 239.789 χ^2/NDF : 24.6/22

17.553 ± 38.719 χ^2/NDF : 21.0/24

asym_right_dd_correction_rms vs Slug



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

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

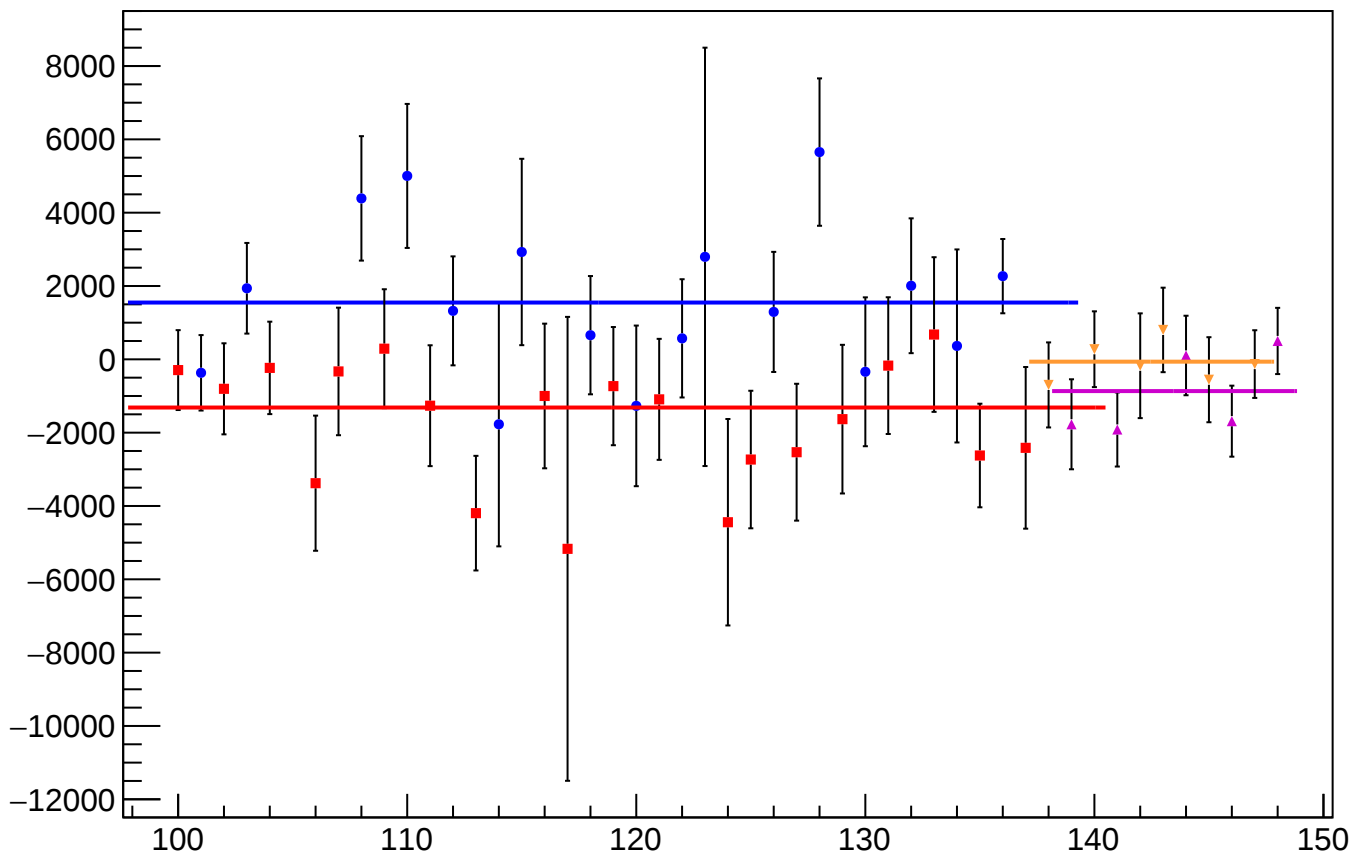
Right Out: 21.867+/-0.028 χ^2/NDF : 13607091.0/19

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

771.200+/-0.170 χ^2/NDF : 805648.1/22

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

asym_right_dd_mean vs Slug



Right In: 1548.873+/-402.008 χ^2/NDF : 19.0/16

Left Out: -63.643+/-454.559 χ^2/NDF : 1.2/5

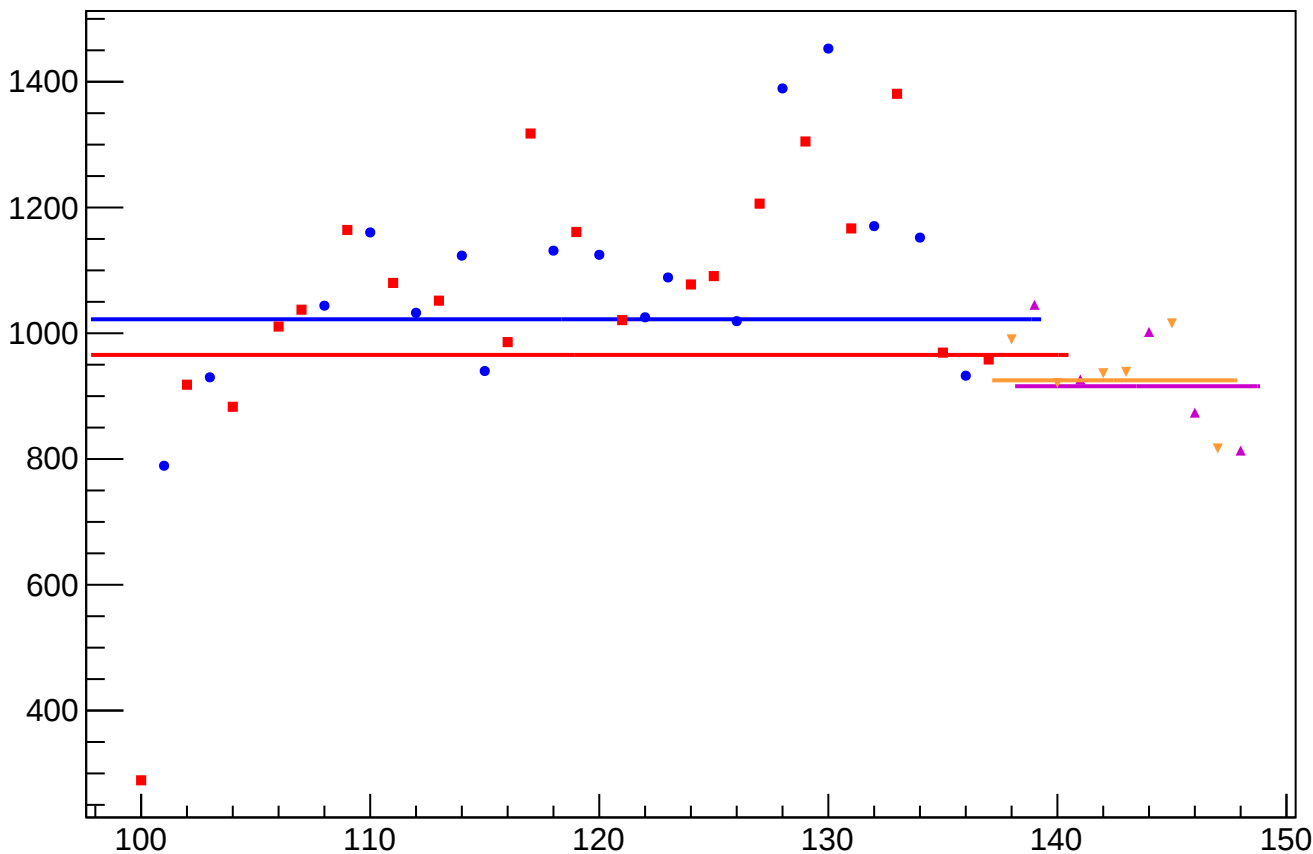
Right Out: -1314.562+/-375.381 χ^2/NDF : 12.9/19

Left In: -866.254+/-457.075 χ^2/NDF : 5.4/4

841.173+/-301.136 χ^2/NDF : 27.2/22

-1133.984+/-290.089 χ^2/NDF : 18.9/24

asym_right_dd_rms vs Slug



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

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

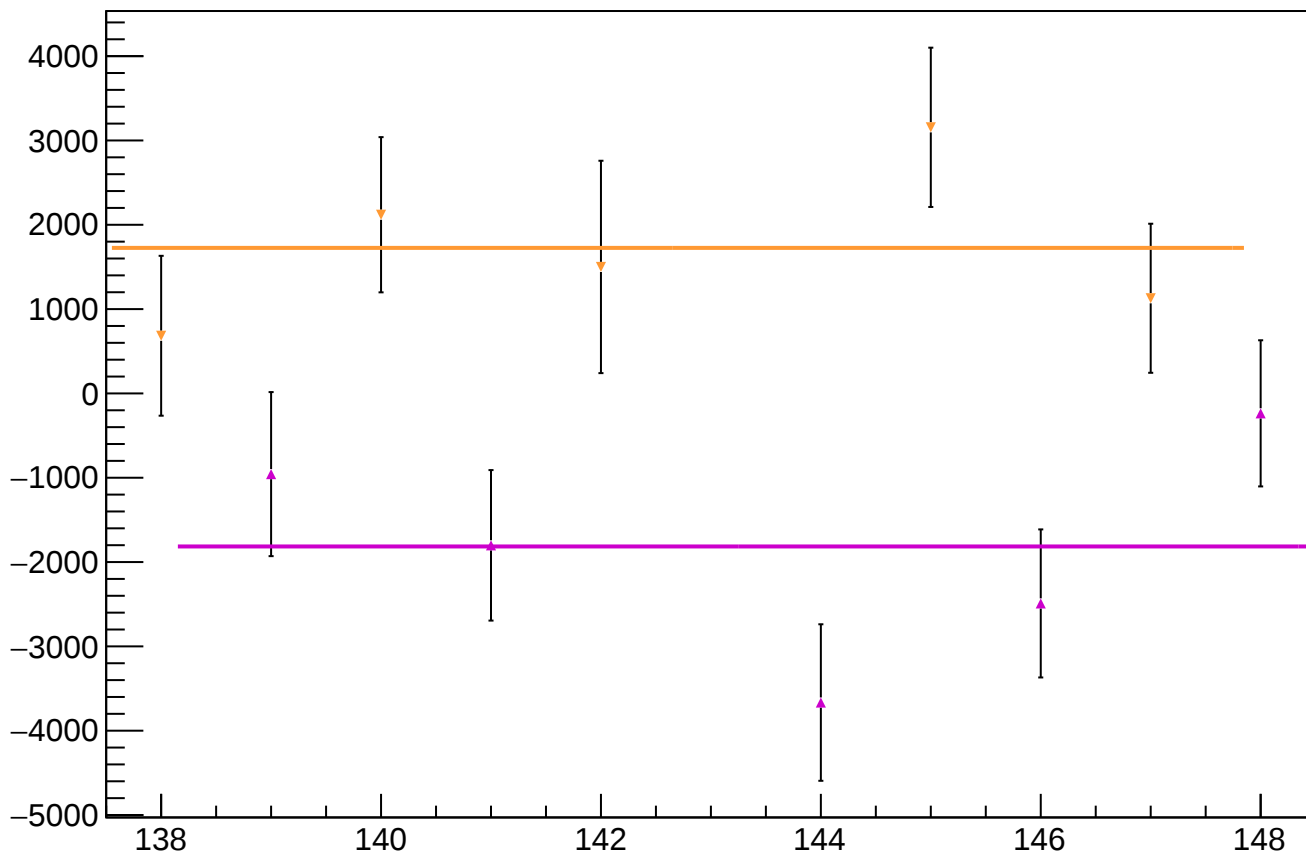
Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

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

979.646+/-0.213 χ^2/NDF : 429530.1/22

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

cor_asym_us_avg_mean vs Slug



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

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

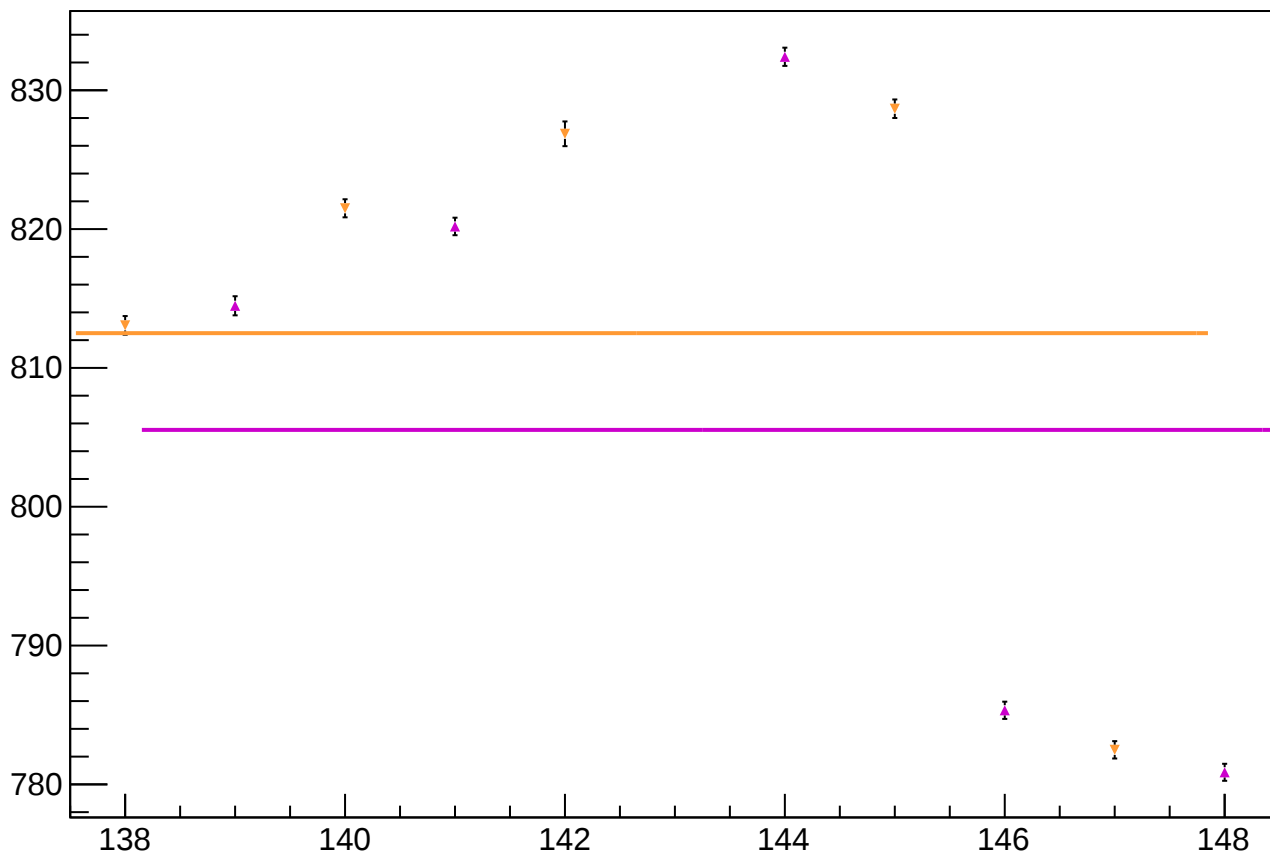
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

1725.998+/-433.382 χ^2/NDF : 4.2/4

-1815.003+/-404.840 χ^2/NDF : 8.7/4

cor_asym_us_avg_rms vs Slug



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

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

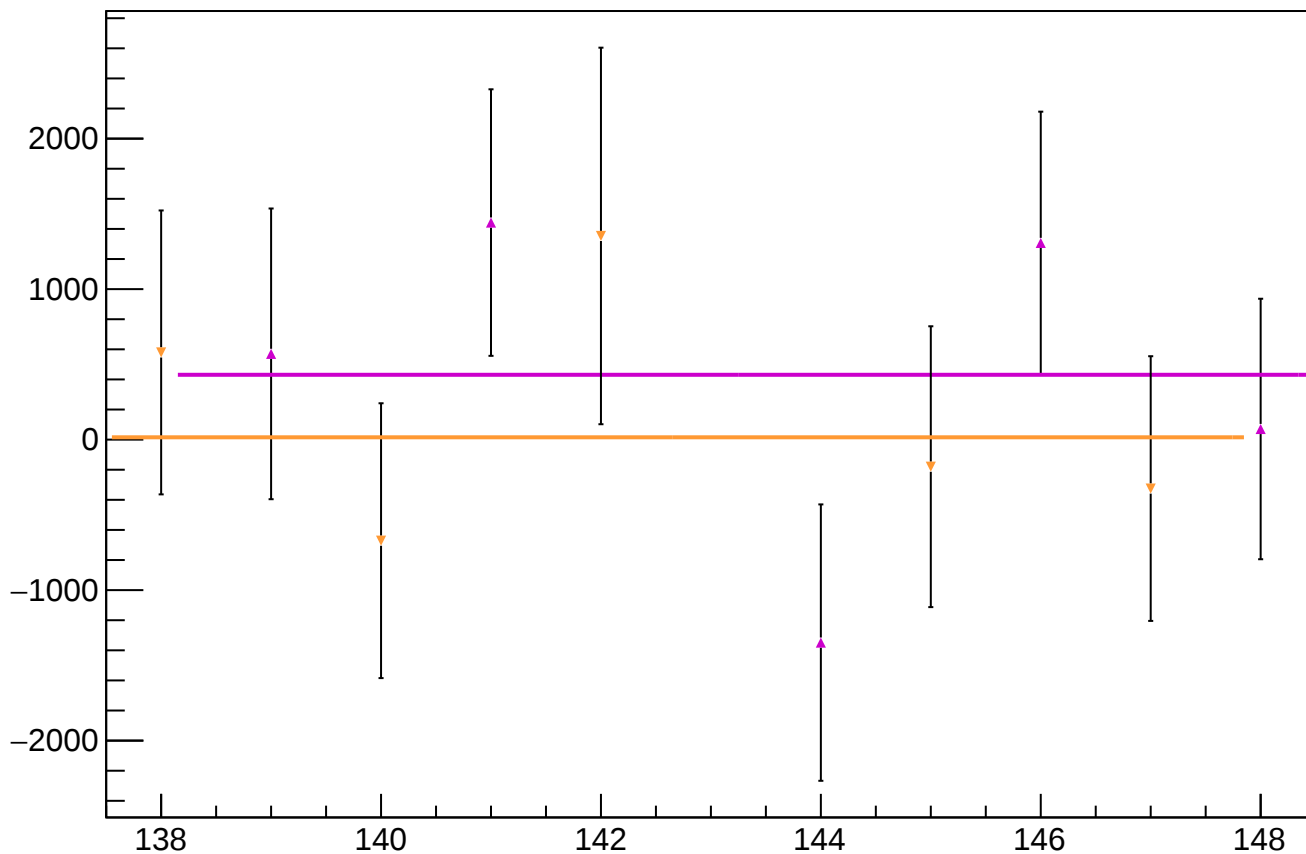
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

812.504+/-0.306 χ^2/NDF : 3343.6/4

805.535+/-0.286 χ^2/NDF : 5063.4/4

cor_asym_us_dd_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

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

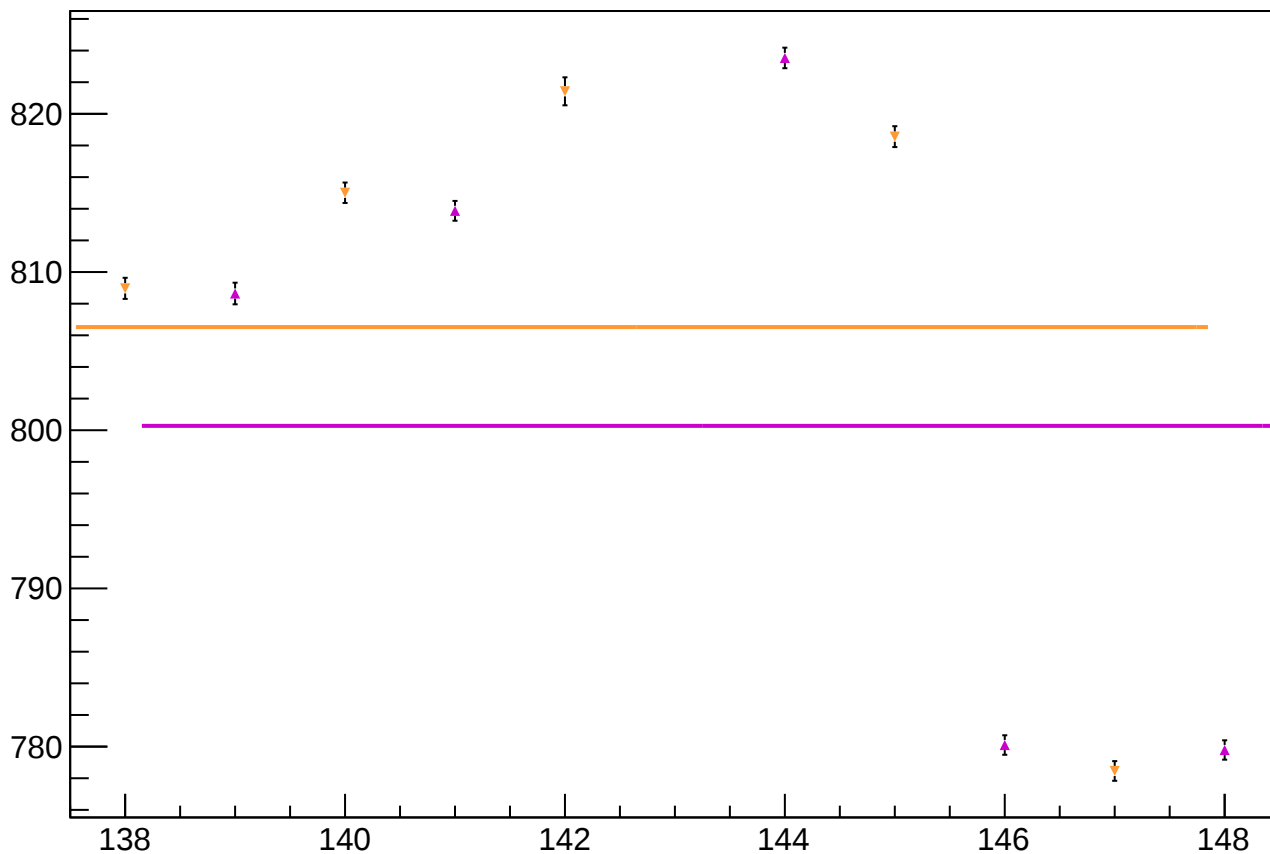
Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

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

15.433 ± 430.159 χ^2/NDF : 2.3/4

430.799 ± 402.156 χ^2/NDF : 6.3/4

cor_asym_us_dd_rms vs Slug



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

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

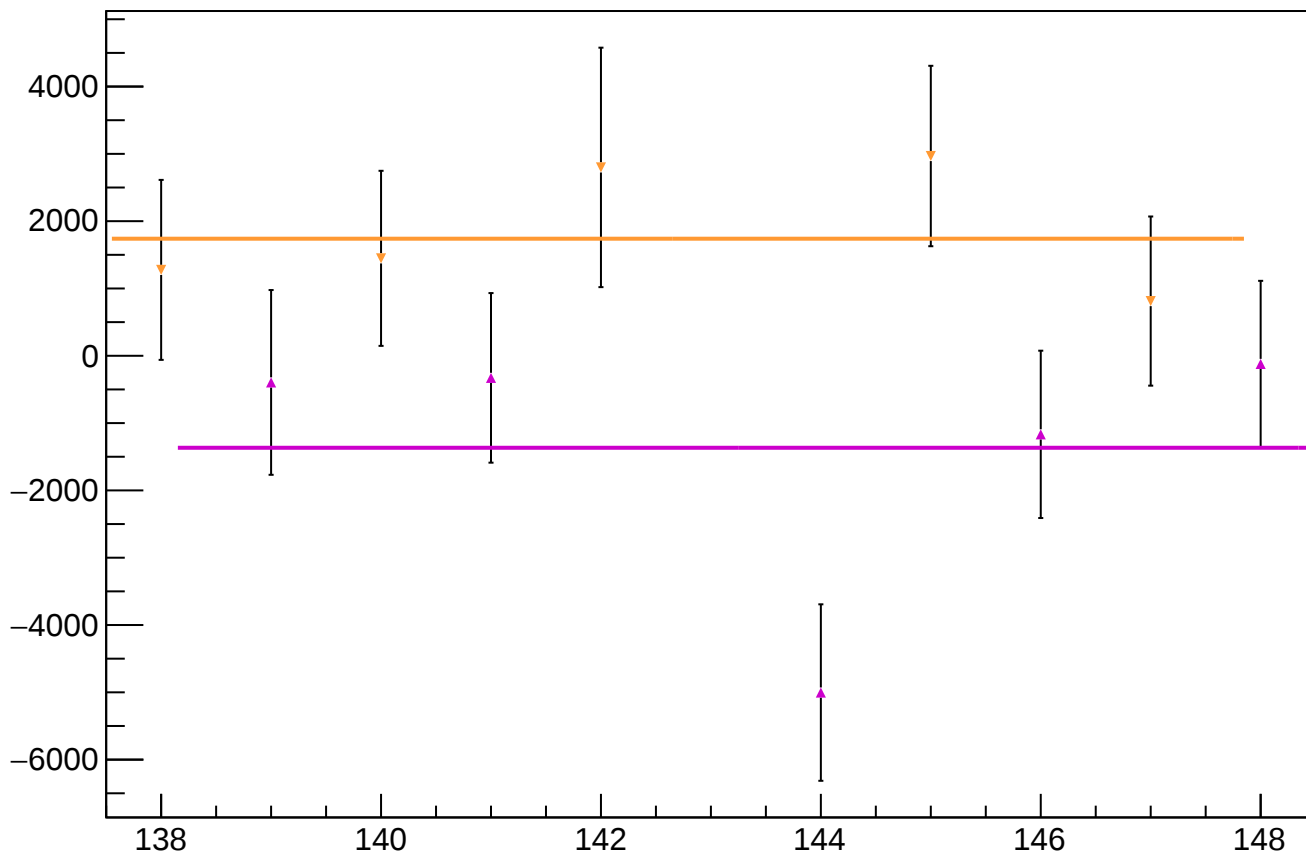
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

806.521+/-0.304 χ^2/NDF : 2839.7/4

800.276+/-0.284 χ^2/NDF : 4095.9/4

cor_asym_usl_mean vs Slug



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

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

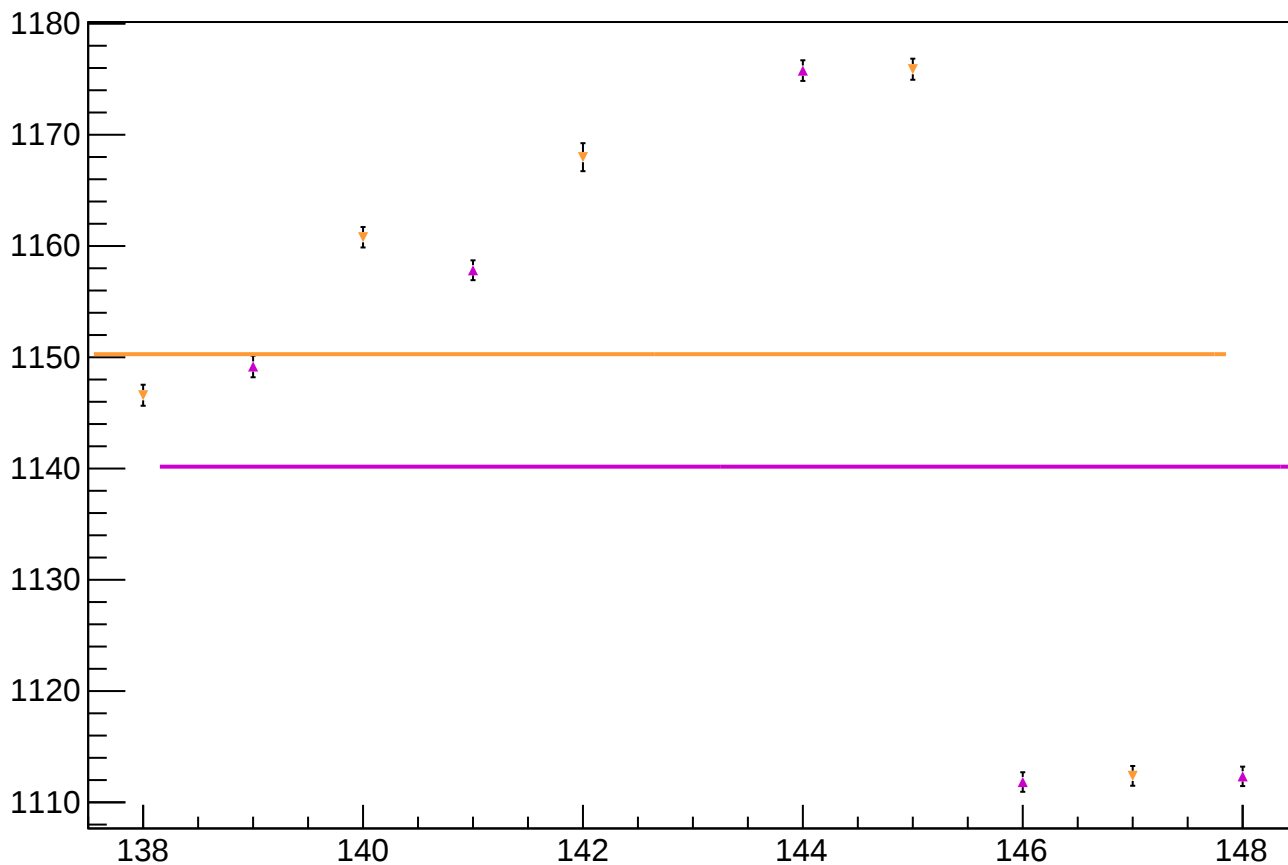
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

1739.526+/-613.509 χ^2/NDF : 1.9/4

-1366.581+/-572.967 χ^2/NDF : 9.9/4

cor_asym_usl_rms vs Slug



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

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

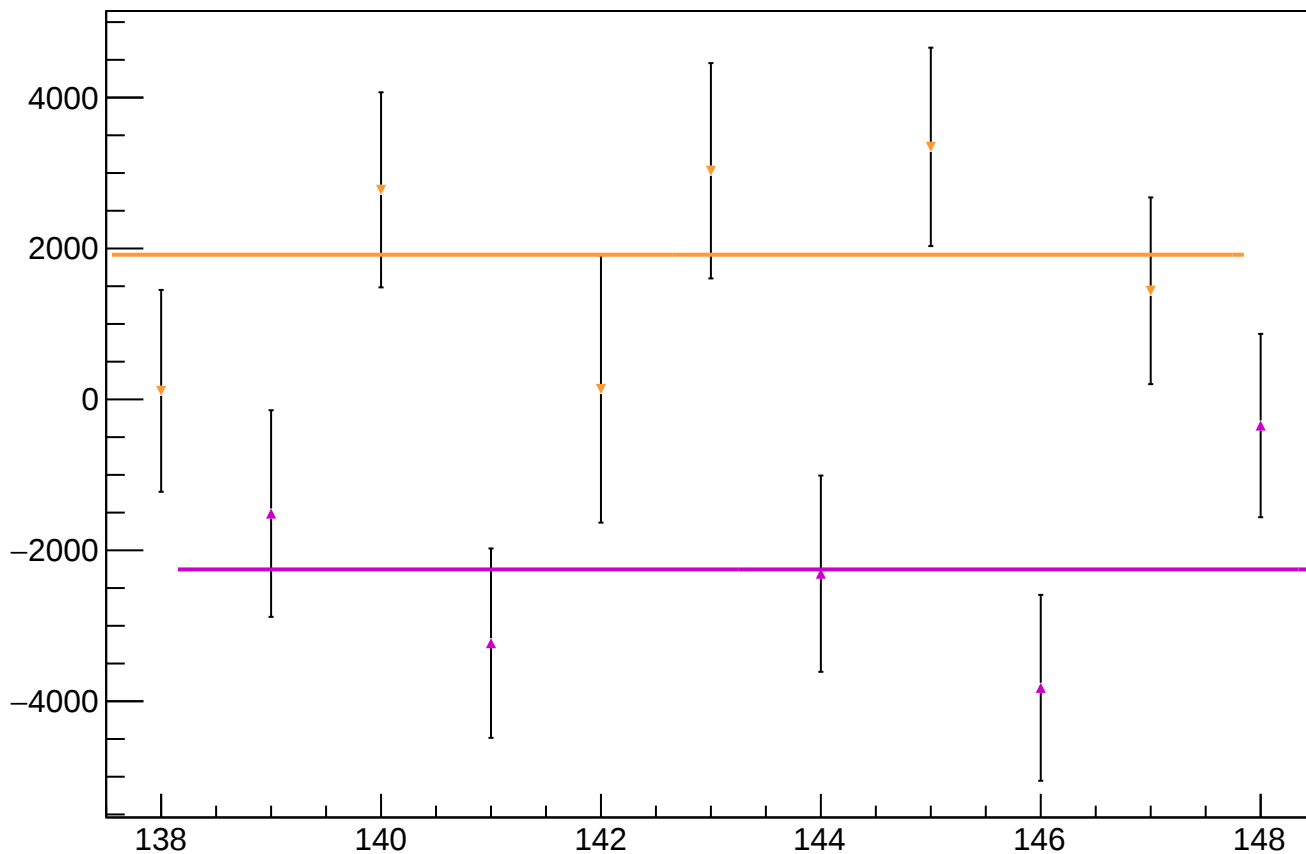
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

1150.278+/-0.434 χ^2/NDF : 2893.9/4

1140.170+/-0.405 χ^2/NDF : 4009.9/4

cor_asym_usr_mean vs Slug



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

Left Out: 1917.560+/-559.072 χ^2/NDF : 5.2/5

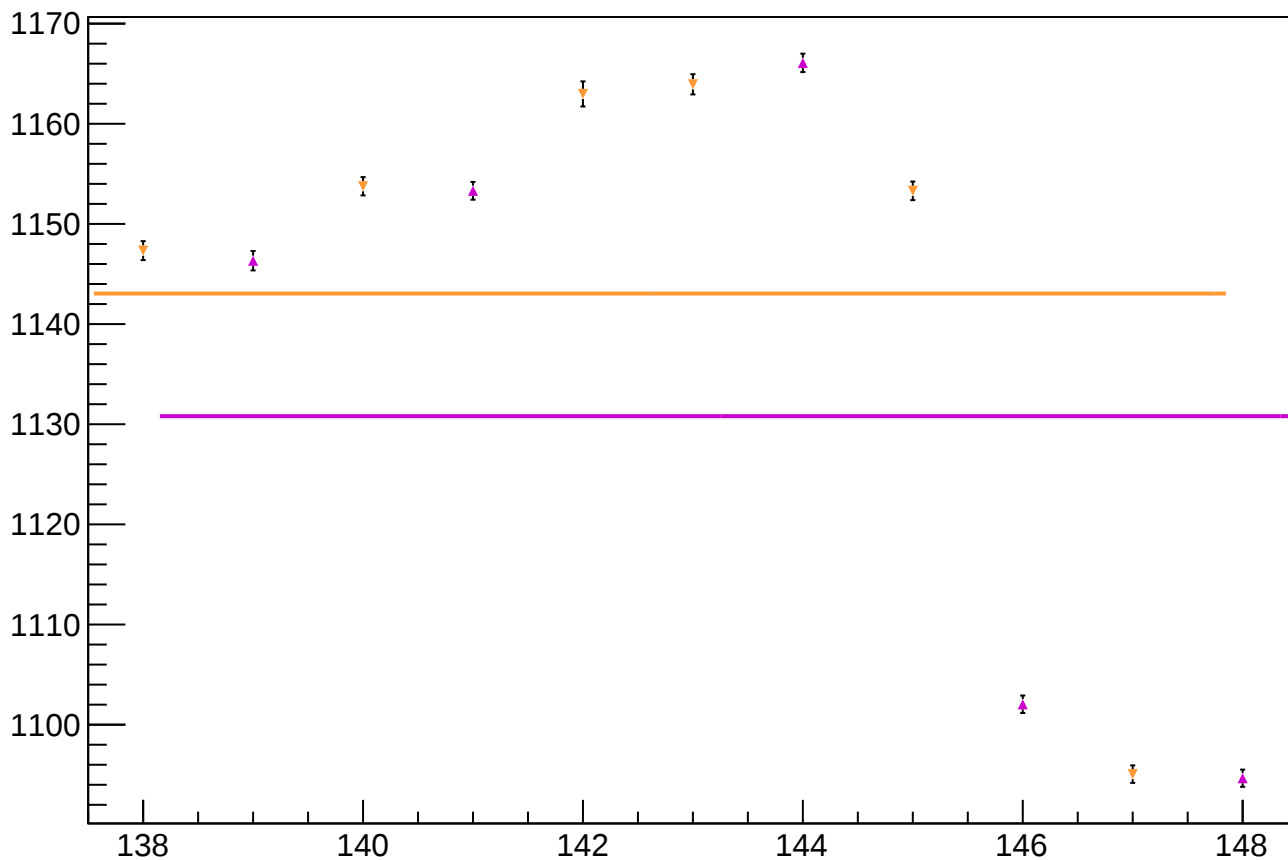
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

1917.560+/-559.072 χ^2/NDF : 5.2/5

-2253.242+/-568.303 χ^2/NDF : 5.0/4

cor_asym_usr_rms vs Slug



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

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

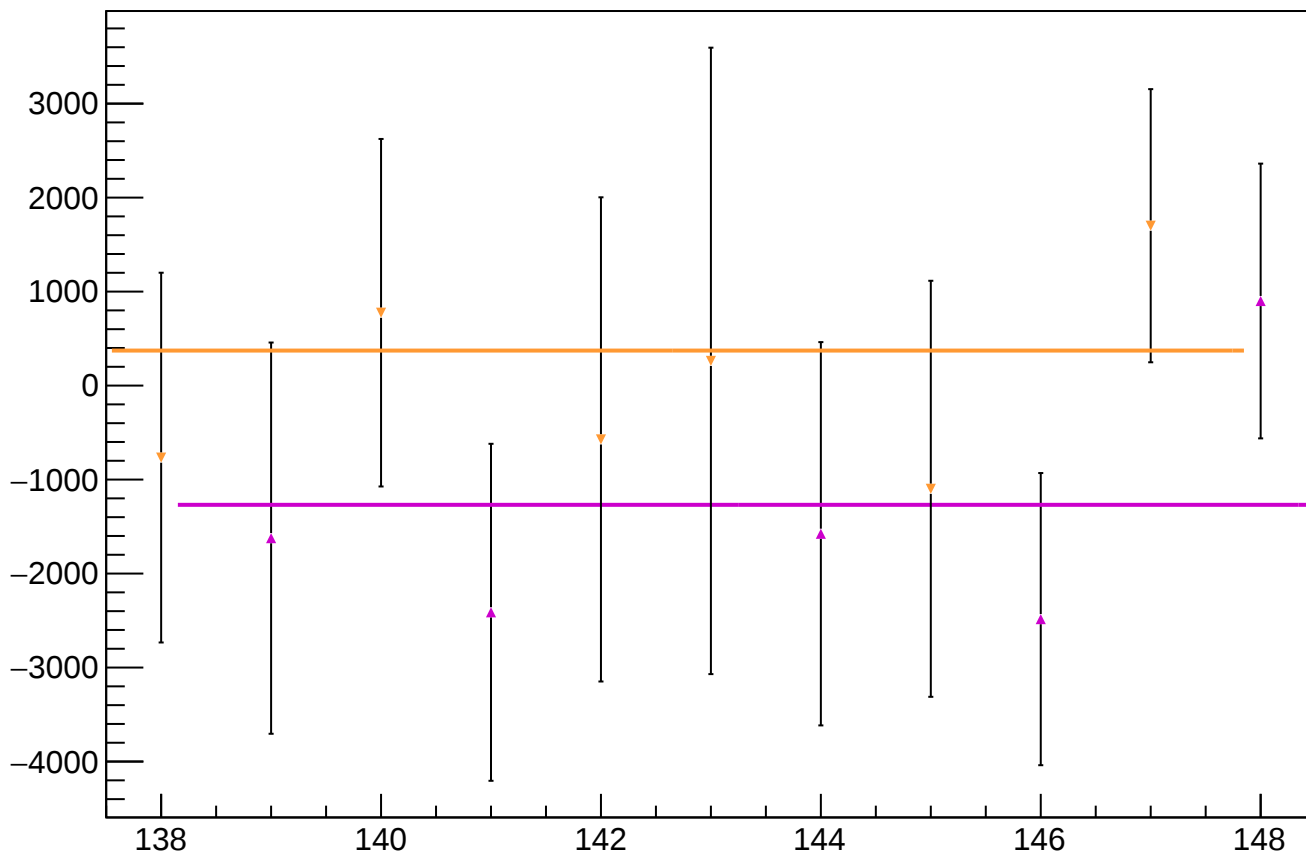
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

1143.049+/-0.395 χ^2/NDF : 3971.2/5

1130.803+/-0.402 χ^2/NDF : 5233.1/4

asym_us_agg_avg_mean vs Slug



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

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

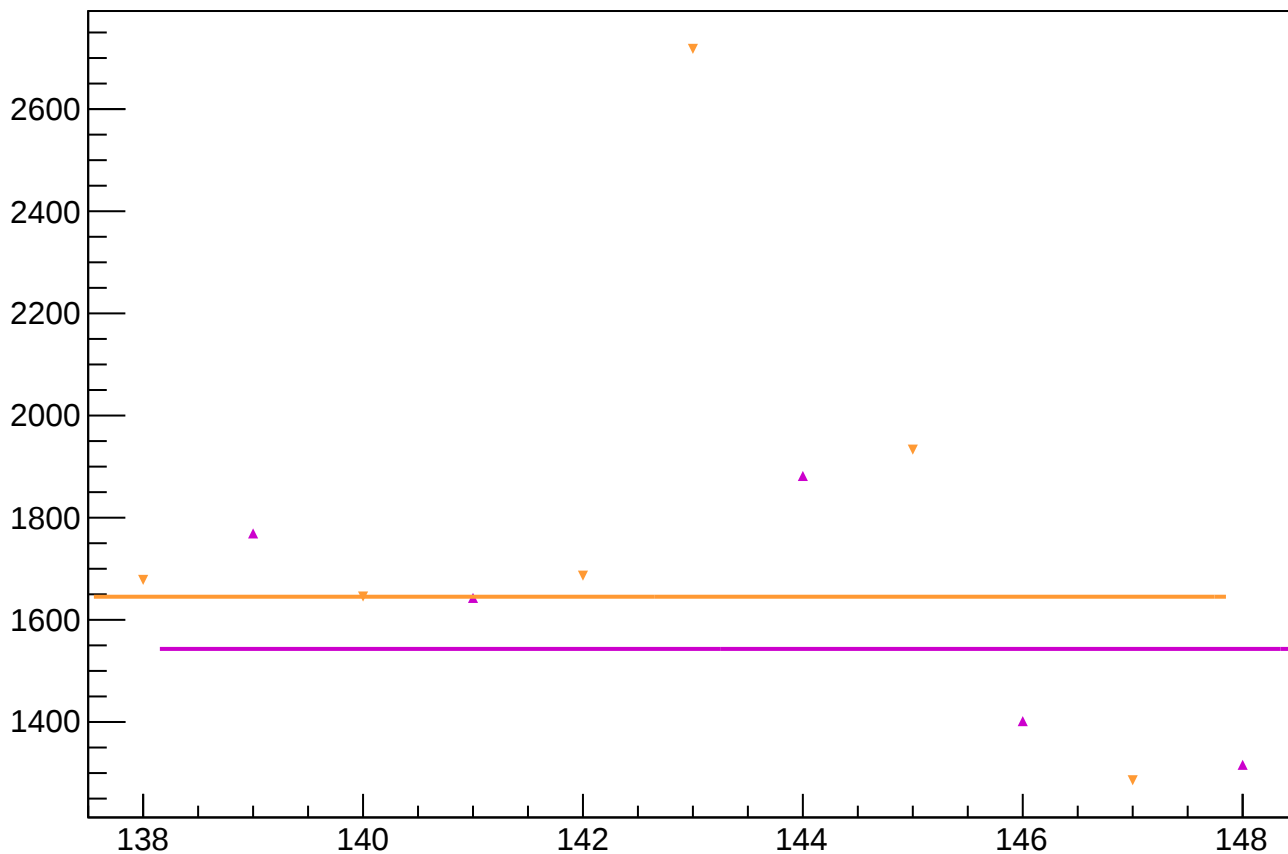
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

372.570+/-824.909 χ^2/NDF : 1.8/5

-1268.696+/-775.088 χ^2/NDF : 3.3/4

asym_us_agg_avg_rms vs Slug



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

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

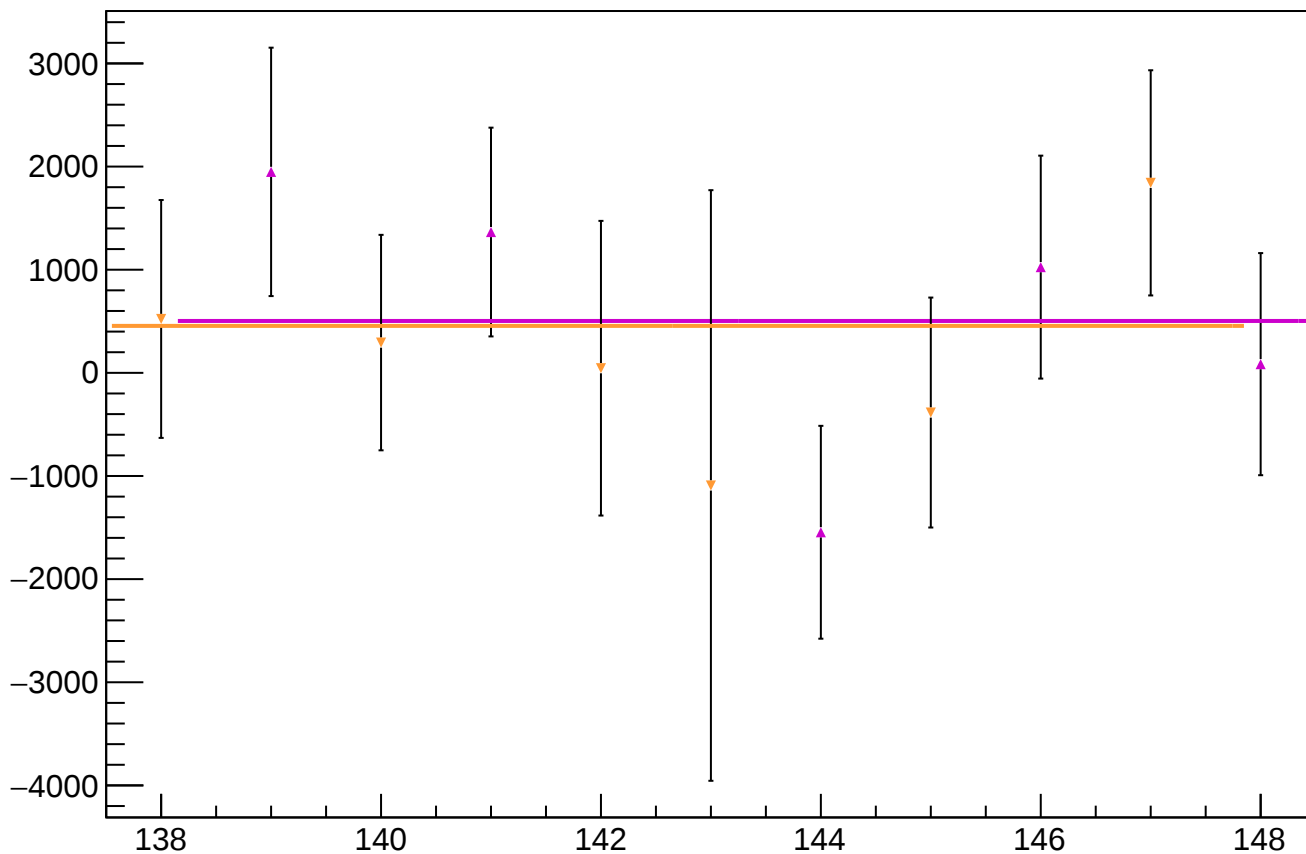
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

1645.272+/-0.583 χ^2/NDF : 364466.7/5

1543.077+/-0.548 χ^2/NDF : 149726.5/4

asym_us_agg_dd_mean vs Slug



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

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

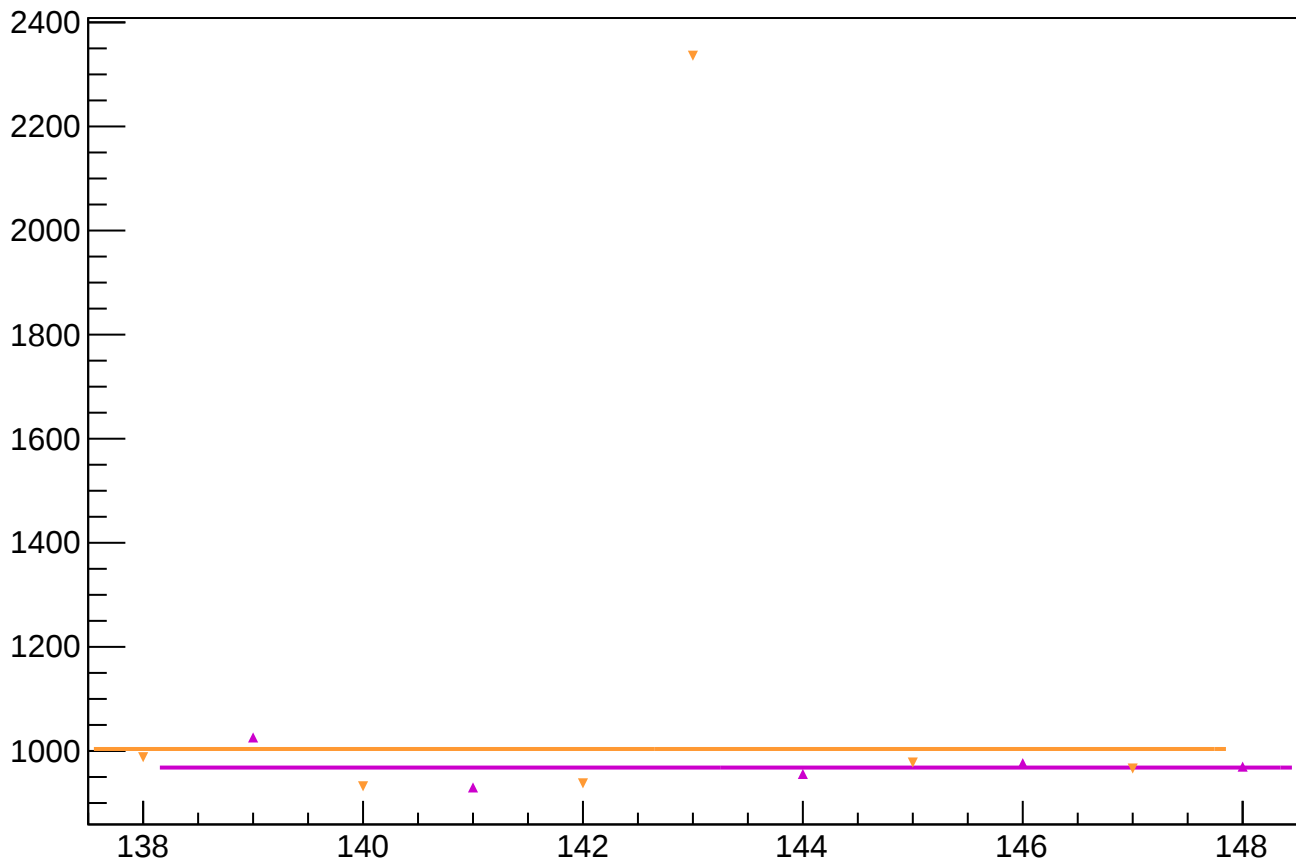
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

455.335+/-504.795 χ^2/NDF : 2.6/5

503.113+/-480.926 χ^2/NDF : 6.5/4

asym_us_agg_dd_rms vs Slug



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

1003.818+/-0.357 χ^2/NDF : 450436.8/5

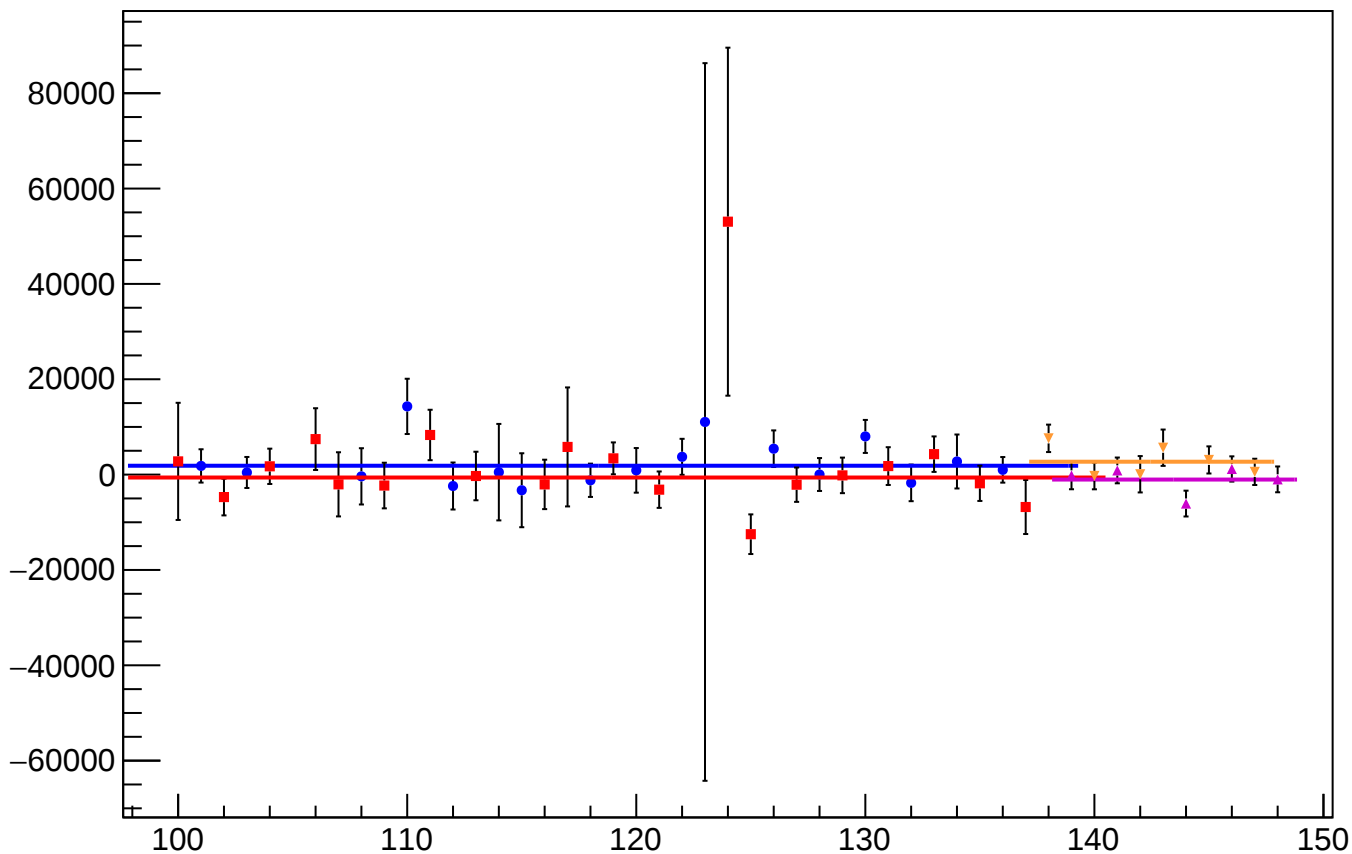
Left Out: 1003.818+/-0.357 χ^2/NDF : 450436.8/5

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

968.102+/-0.340 χ^2/NDF : 7878.6/4

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

reg_asym_atl1_mean vs Slug



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

Left Out: 2704.869 $\pm$ 1249.221 χ^2 /NDF: 5.7/5

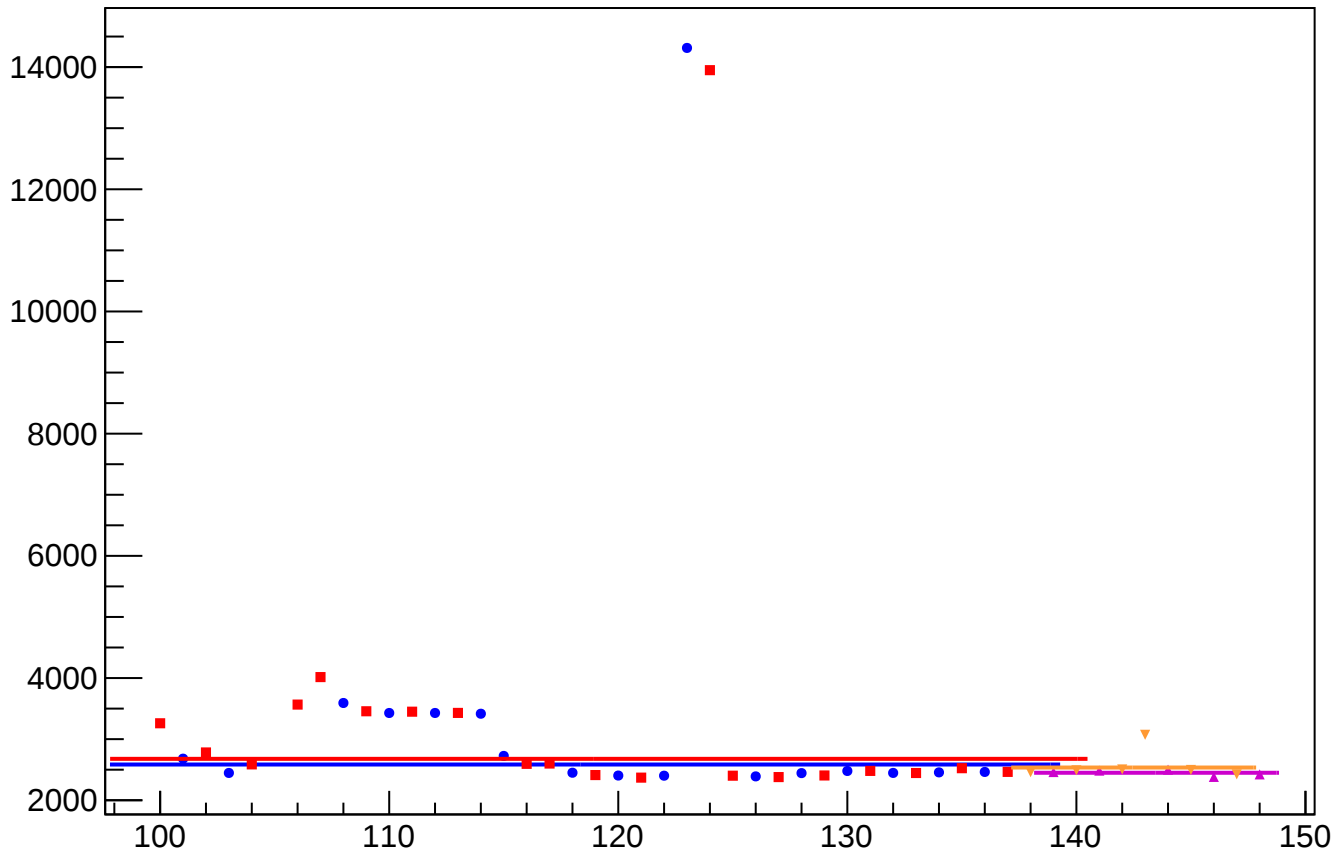
Right Out: -611.041 $\pm$ 1020.345 χ^2 /NDF: 22.3/19

Left In: -1039.598 $\pm$ 1220.716 χ^2 /NDF: 4.8/4

2195.199 $\pm$ 787.022 χ^2 /NDF: 18.5/22

-787.307 $\pm$ 782.878 χ^2 /NDF: 27.2/24

reg_asym_atl1_rms vs Slug



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

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

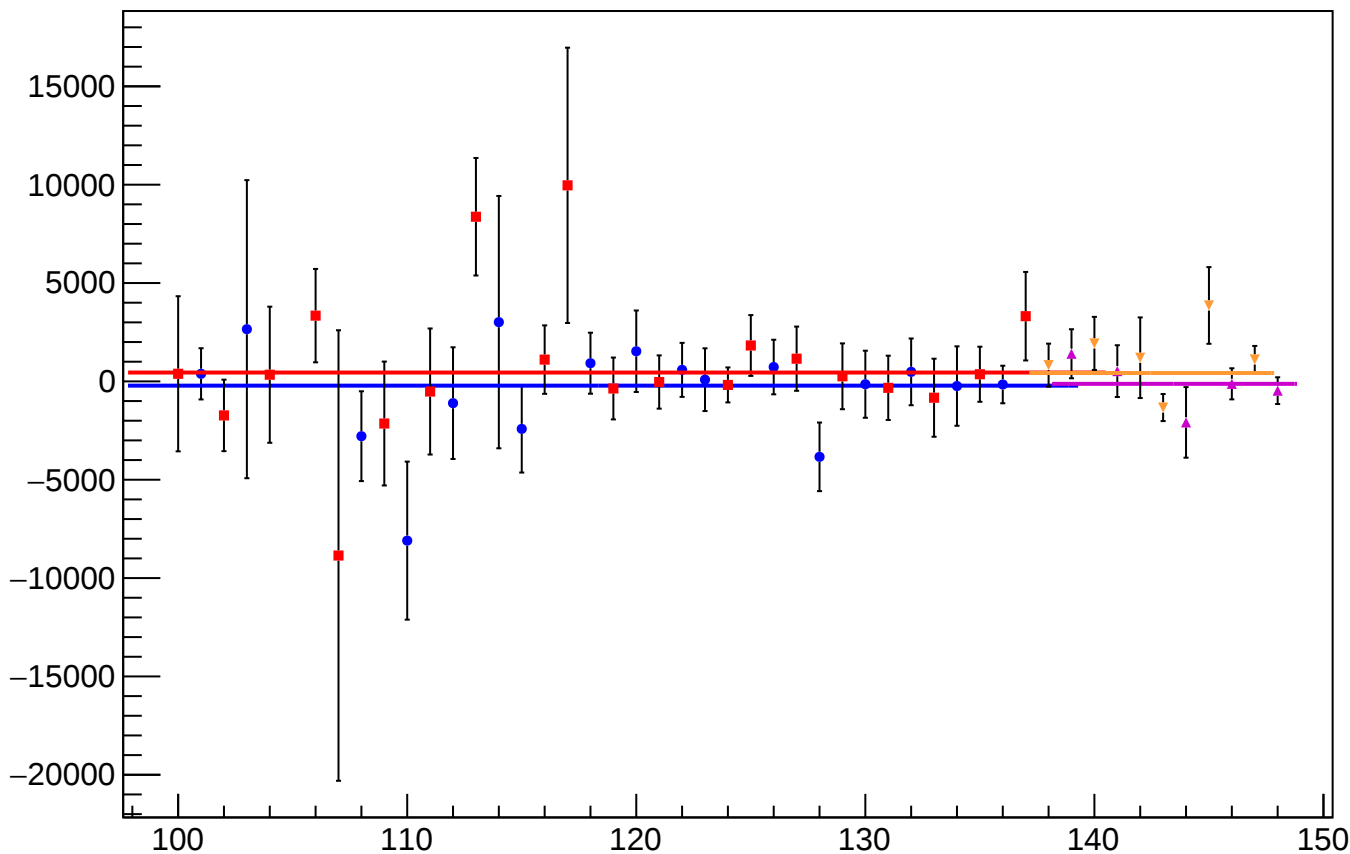
Right Out: 2677.711+/-0.721 χ^2/NDF : 532173.5/19

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

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

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

asym_atl1_correction_mean vs Slug



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

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

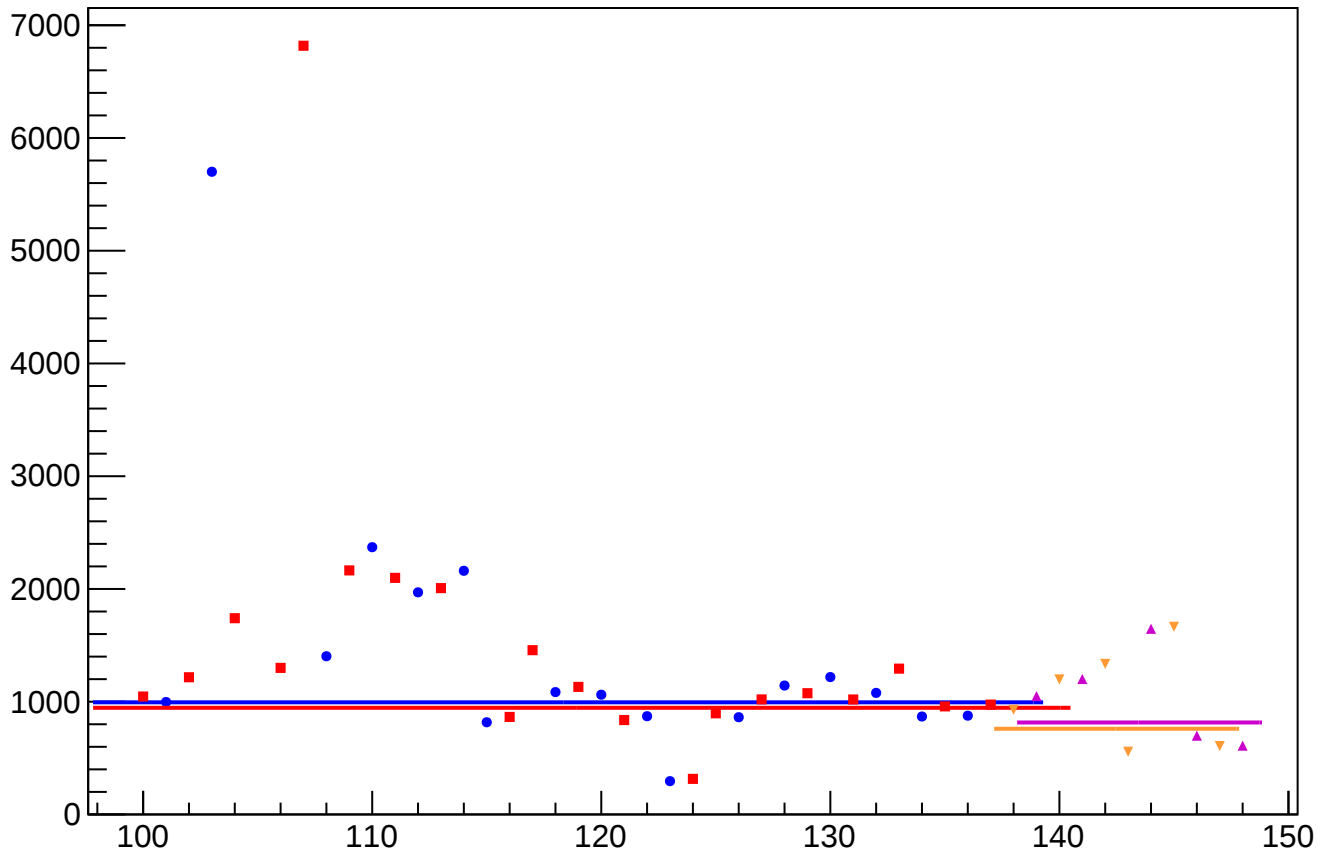
Right Out: 449.702 ± 408.279 $\chi^2/\text{NDF}: 17.5/19$

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

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

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

asym_atl1_correction_rms vs Slug



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

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

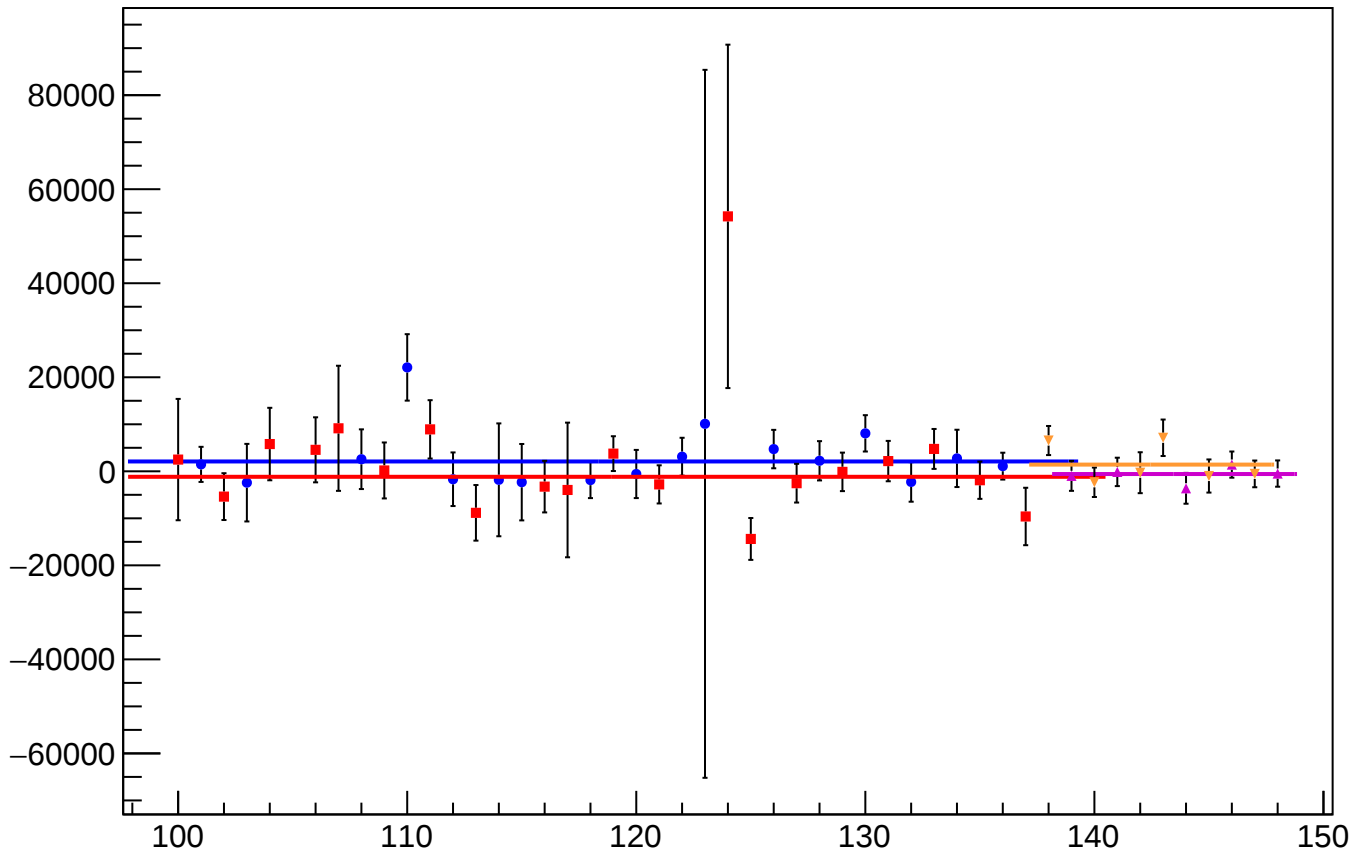
Right Out: 946.032 $\pm$ 0.289 χ^2 /NDF: 2676710.2/19

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

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

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

asym_atl1_mean vs Slug



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

Left Out: 1425.986 ± 1373.523 χ^2/NDF : 7.5/5

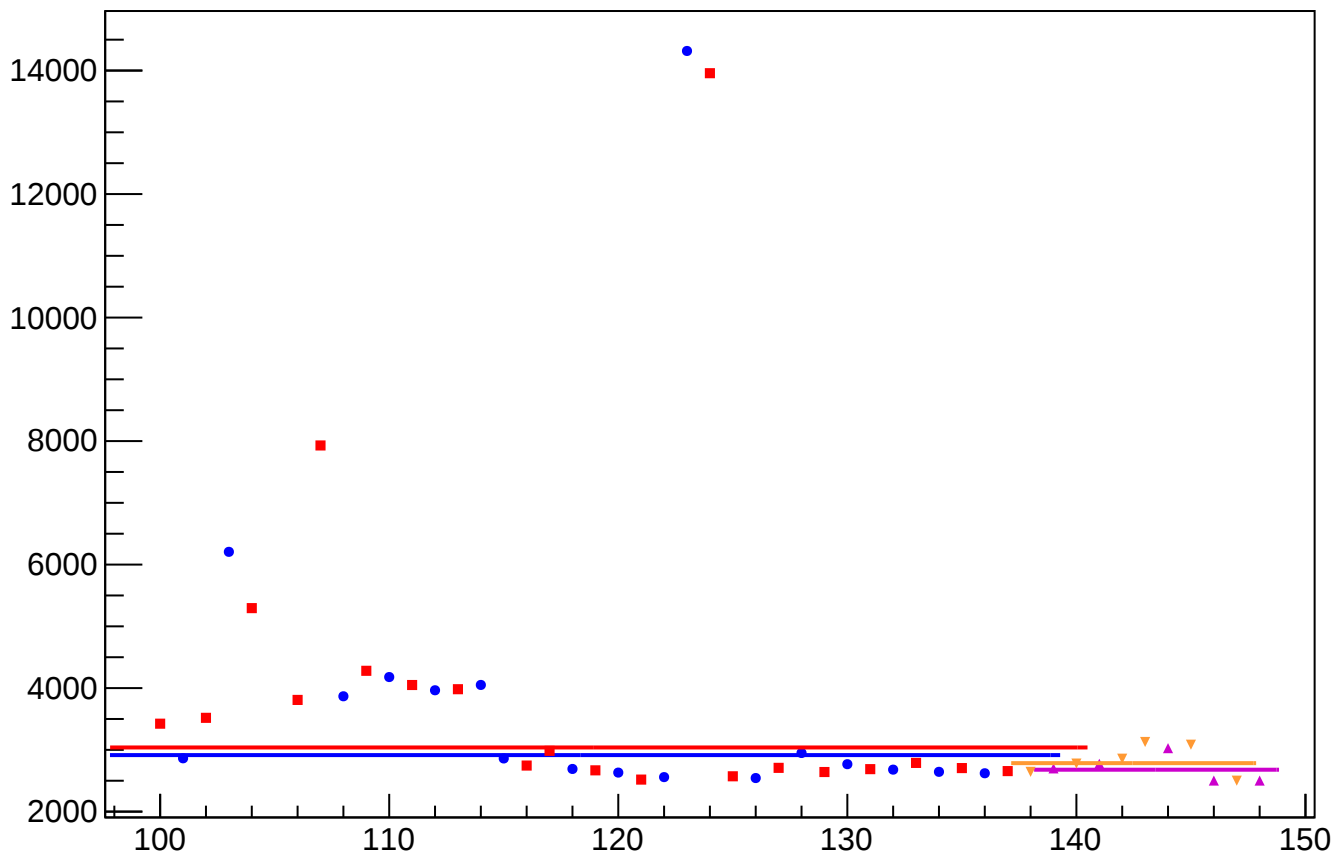
Right Out: -1167.038 ± 1182.950 χ^2/NDF : 25.2/19

Left In: -579.617 ± 1338.161 χ^2/NDF : 1.4/4

1815.806 ± 886.421 χ^2/NDF : 22.2/22

-909.356 ± 886.291 χ^2/NDF : 26.7/24

asym_atl1_rms vs Slug



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

Left Out: 2784.856+/-0.971 χ^2 /NDF: 54680.9/5

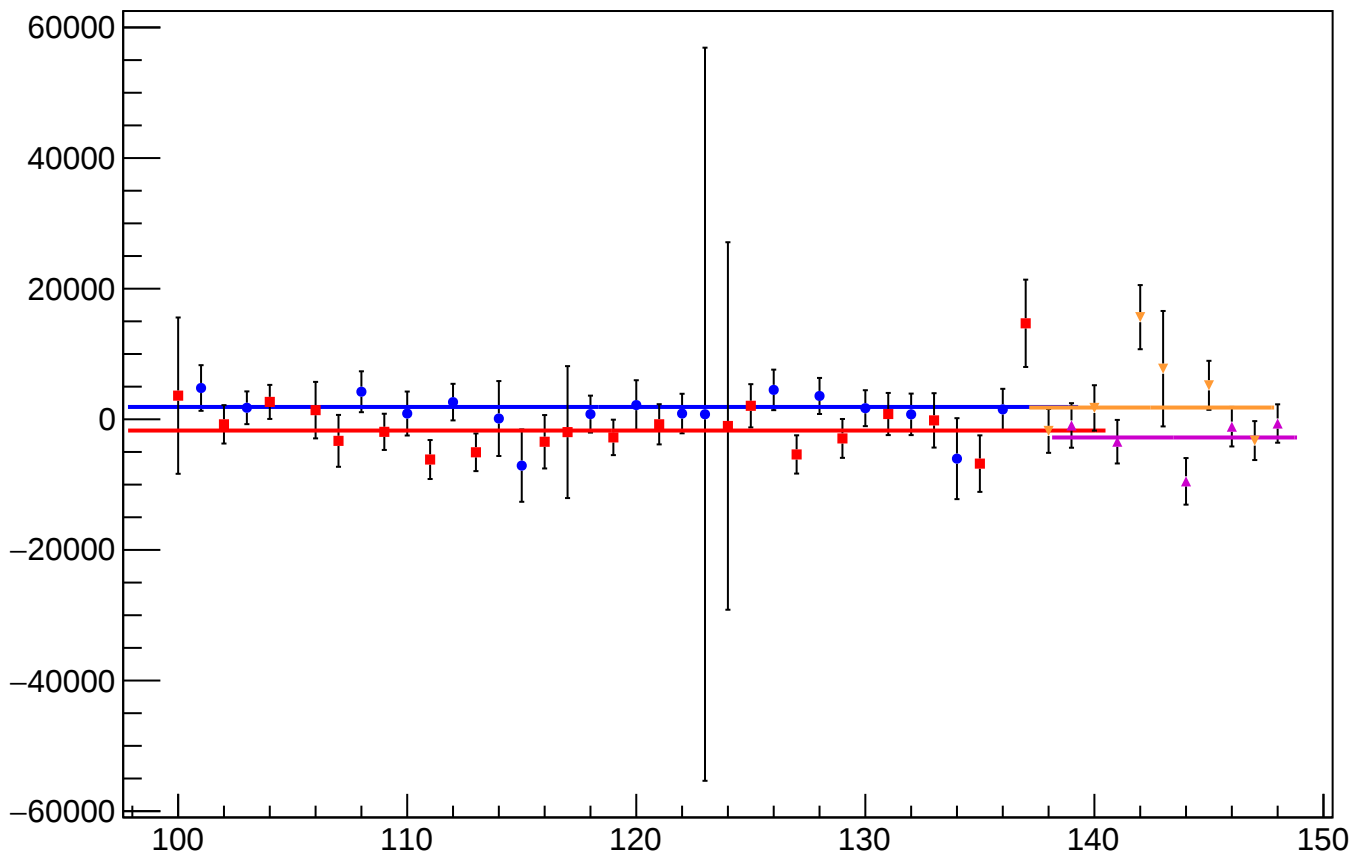
Right Out: 3038.763+/-0.836 χ^2 /NDF: 1011412.5/19

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

2860.913+/-0.627 χ^2 /NDF: 704327.0/22

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

reg_asym_atl2_mean vs Slug



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

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

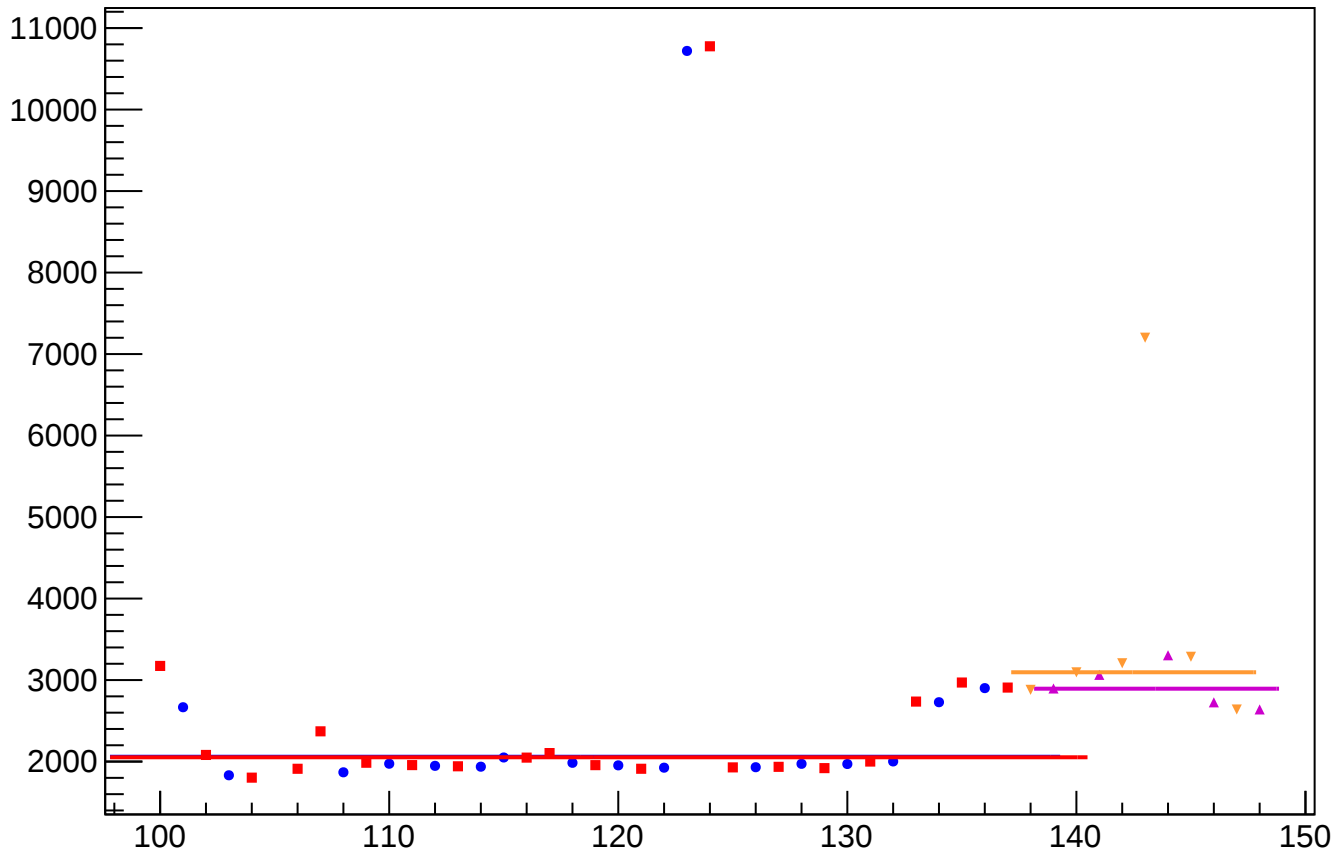
Right Out: -1720.591+/-787.704 χ^2/NDF : 19.0/19

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

1871.178+/-720.187 χ^2/NDF : 20.5/22

-1964.137+/-691.528 χ^2/NDF : 24.1/24

reg_asym_atl2_rms vs Slug



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

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

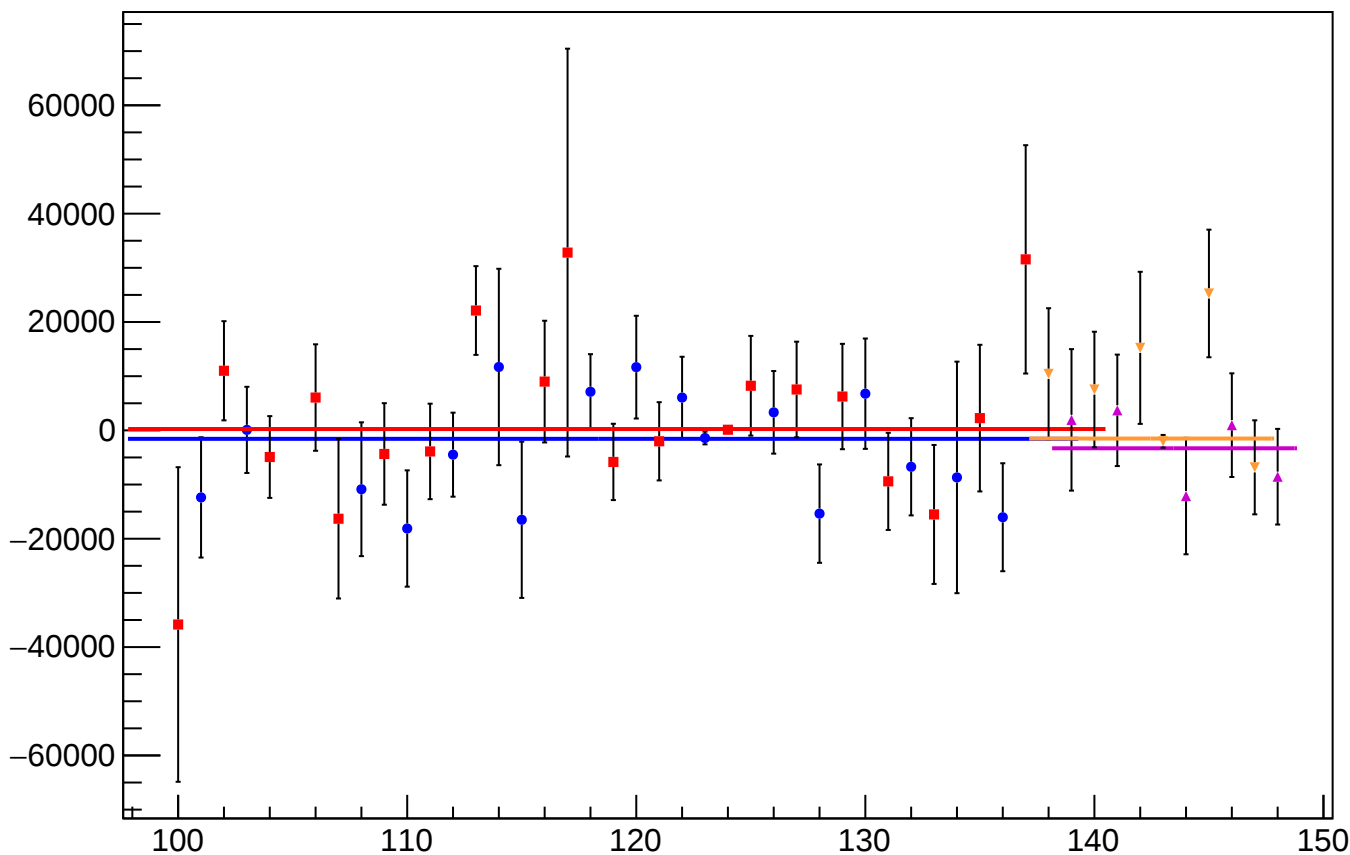
Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

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

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

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

asym_atl2_correction_mean vs Slug



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

Left Out: -1510.036 ± 1149.997 χ^2/NDF : 8.9/5

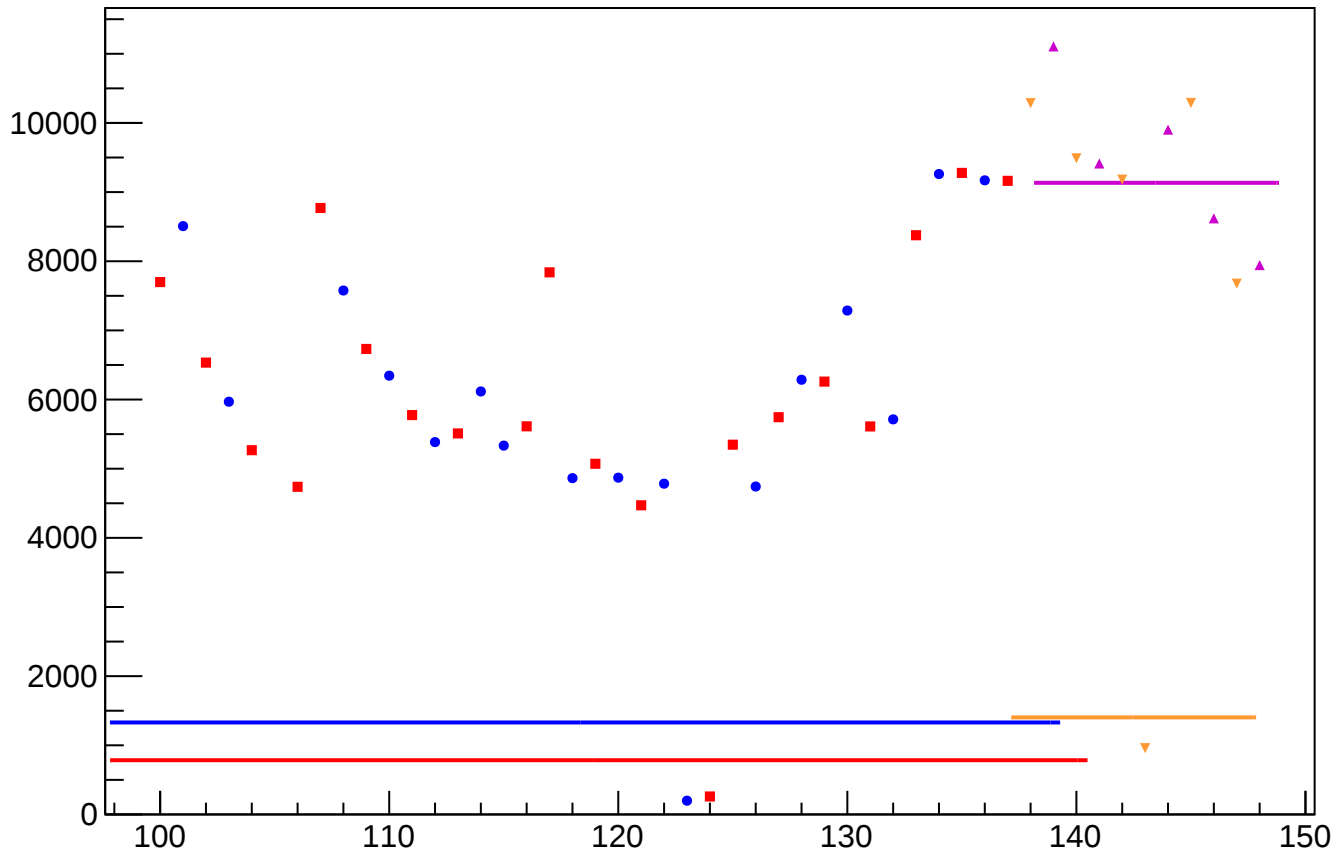
Right Out: 247.306 ± 695.049 χ^2/NDF : 21.6/19

Left In: -3307.880 ± 4577.078 χ^2/NDF : 1.9/4

-1538.940 ± 776.994 χ^2/NDF : 25.0/22

167.172 ± 687.171 χ^2/NDF : 24.0/24

asym_atl2_correction_rms vs Slug



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

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

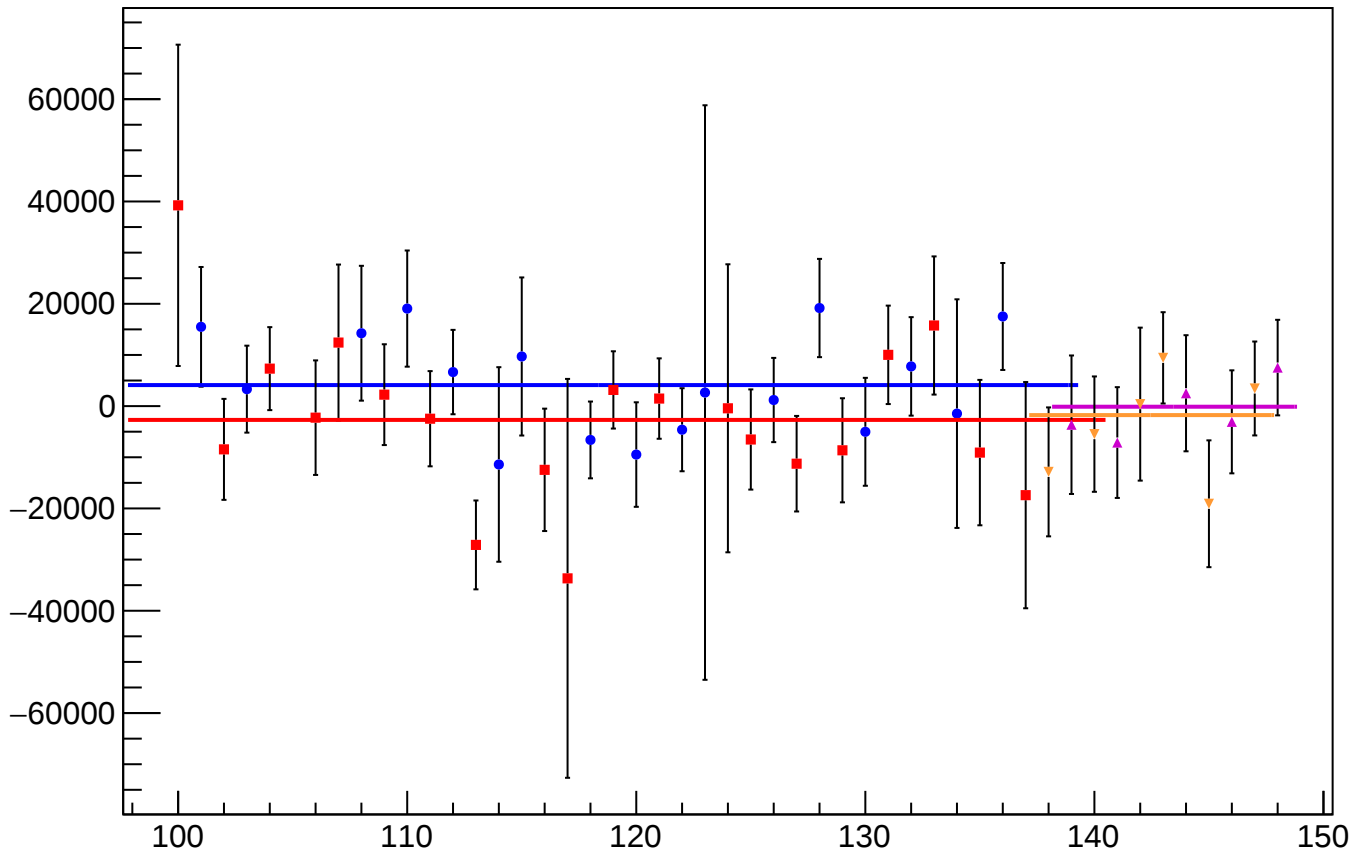
Right Out: 784.254+/-0.491 χ^2/NDF : 11510186.9/19

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

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

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

asym_atl2_mean vs Slug



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

Left Out: -1756.428 ± 4491.009 χ^2/NDF : 4.8/5

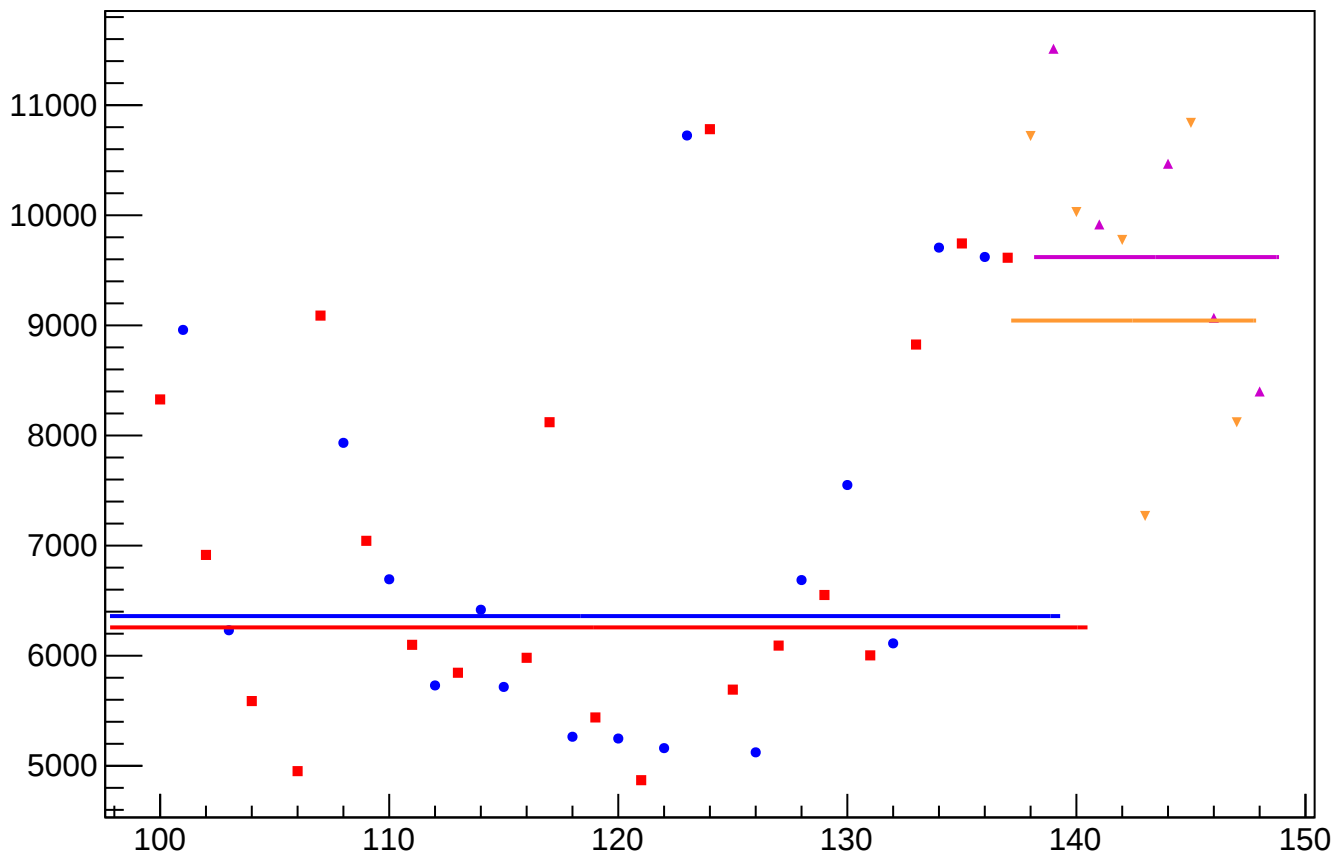
Right Out: -2697.106 ± 2415.828 χ^2/NDF : 20.6/19

Left In: -117.954 ± 4817.458 χ^2/NDF : 1.3/4

2694.324 ± 2207.224 χ^2/NDF : 20.4/22

-2178.843 ± 2159.508 χ^2/NDF : 22.1/24

asym_atl2_rms vs Slug



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

Left Out: 9043.875+/-3.176 χ^2/NDF :196812.5/5

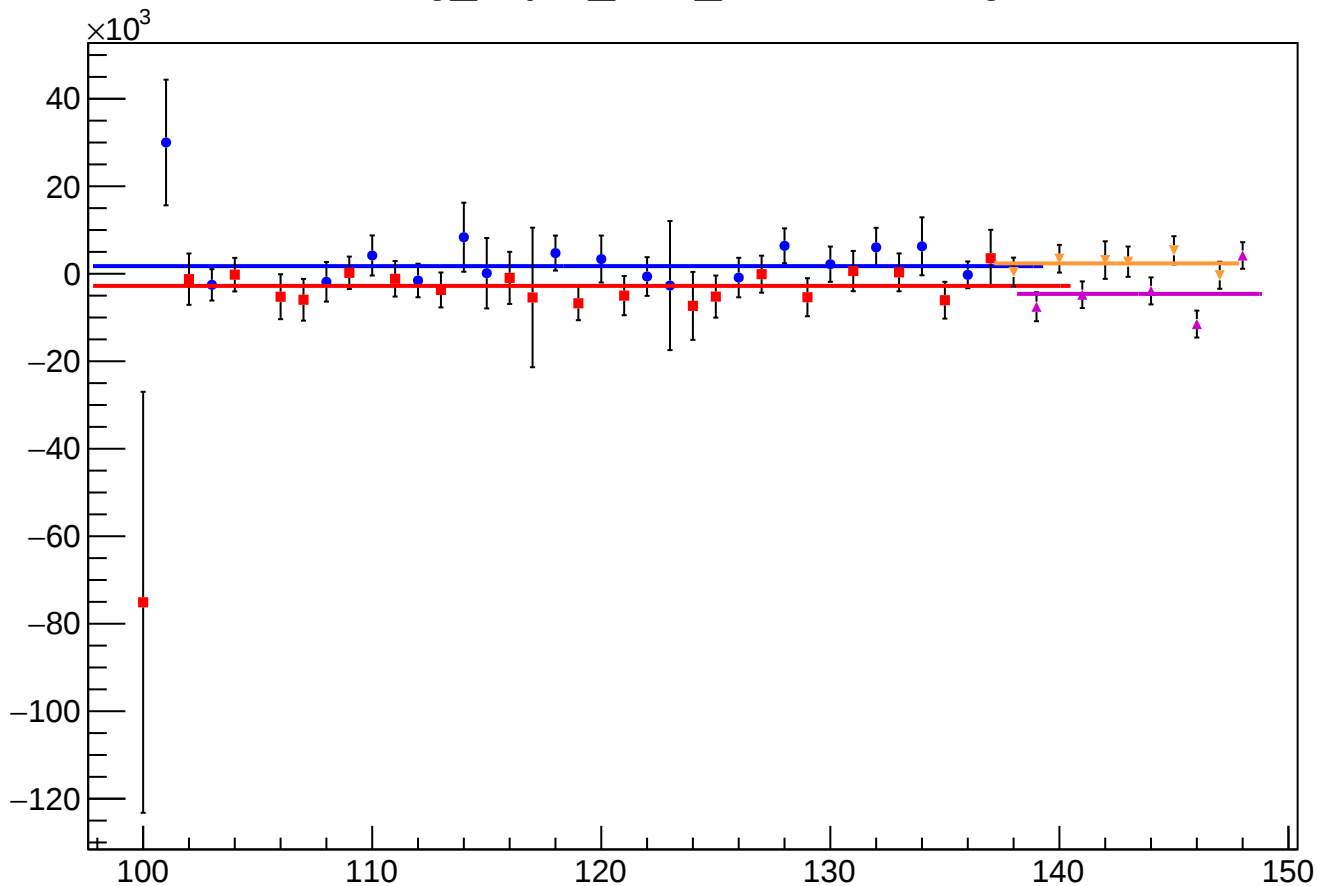
Right Out: 6257.232+/-1.708 χ^2/NDF : 537553.3/19

Left In: 9620.285+/-3.406 χ^2/NDF :91921.3/4

7008.228+/-1.561 χ^2/NDF : 1319057.8/22

6932.966+/-1.527 χ^2/NDF : 1408312.6/24

reg_asym_atr1_mean vs Slug



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

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

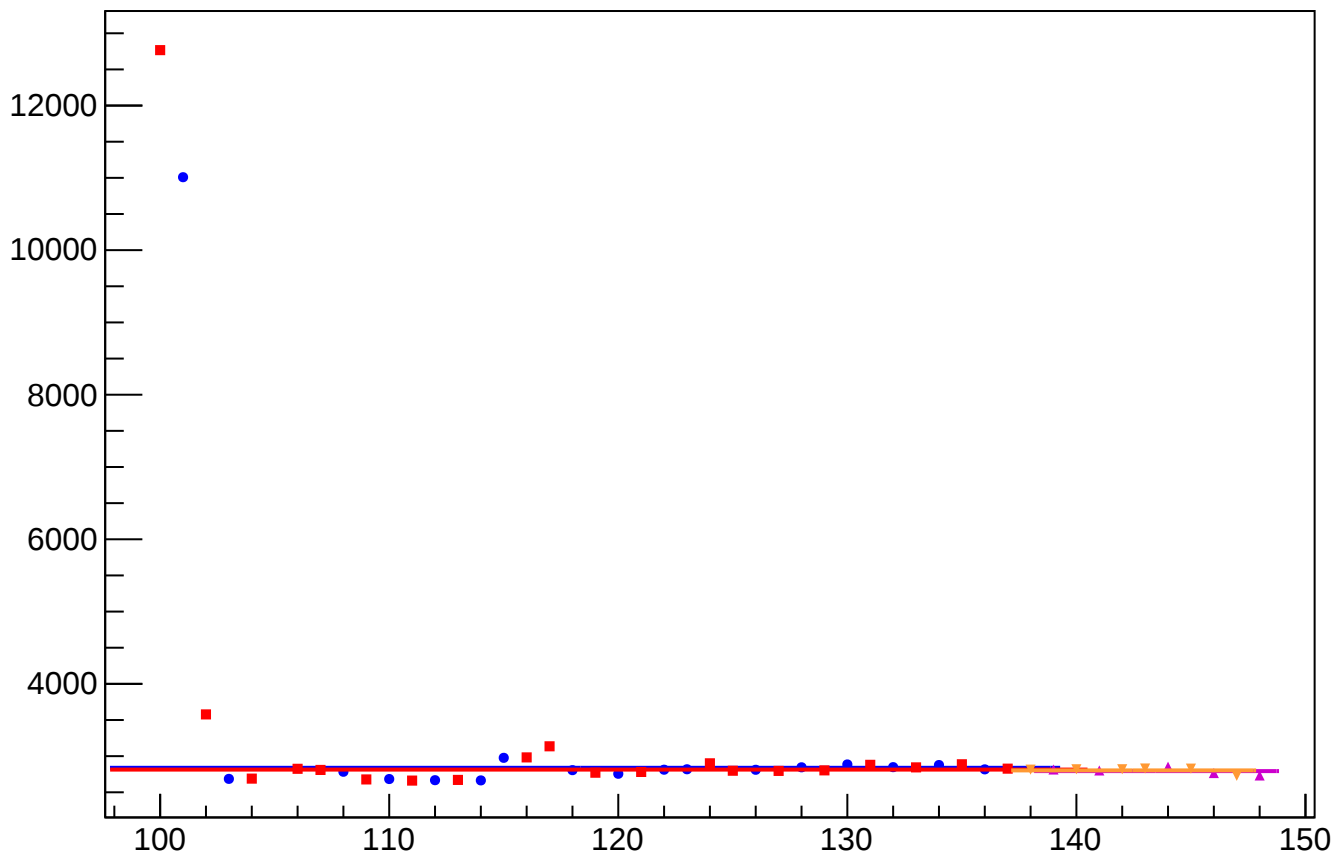
1999.225+/-871.728 χ^2/NDF : 14.5/22

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

-3454.880+/-847.624 χ^2/NDF : 25.0/24

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

reg_asym_atr1_rms vs Slug



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

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

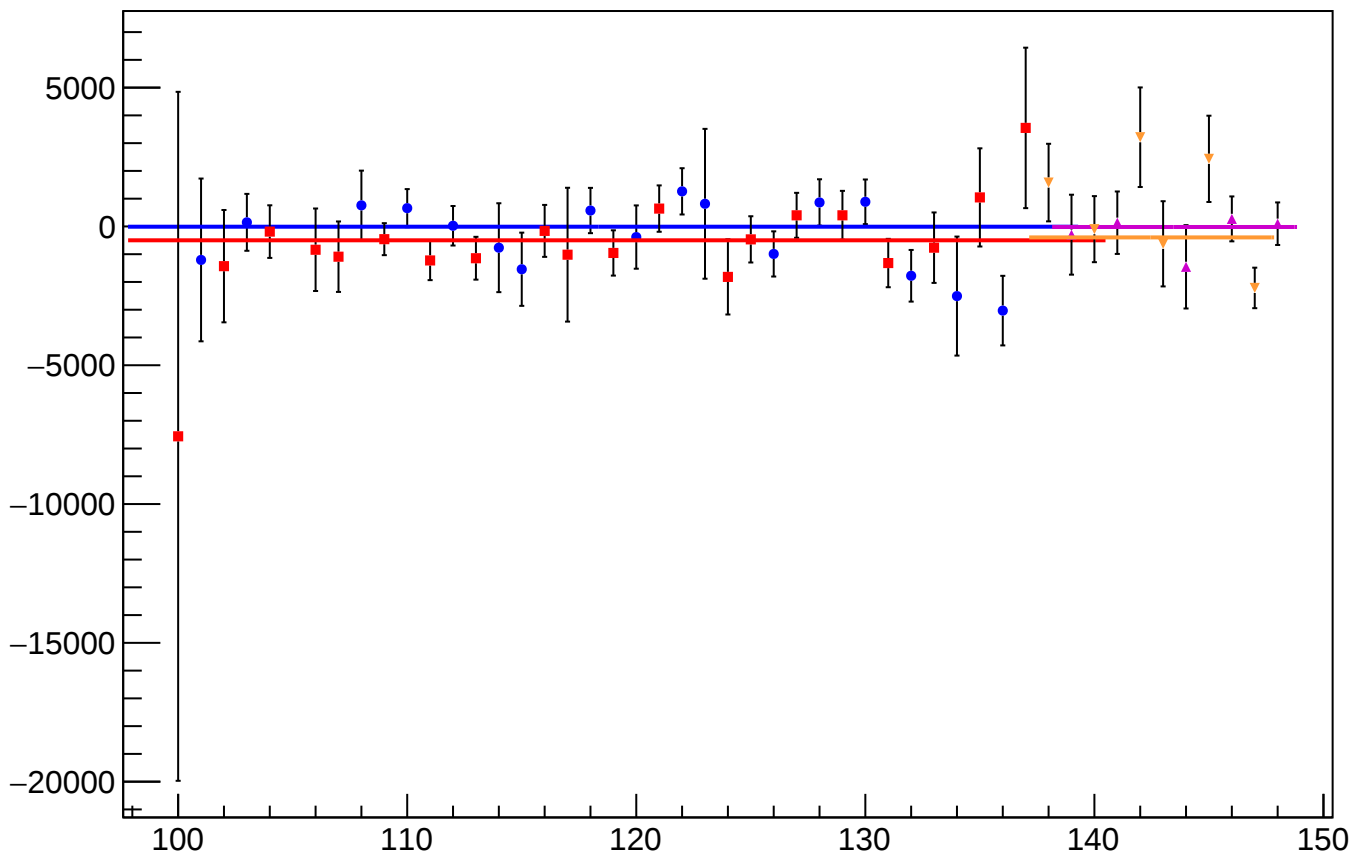
Right Out: 2814.083+/-0.756 χ^2/NDF : 133883.7/19

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

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

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

asym_atr1_correction_mean vs Slug



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

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

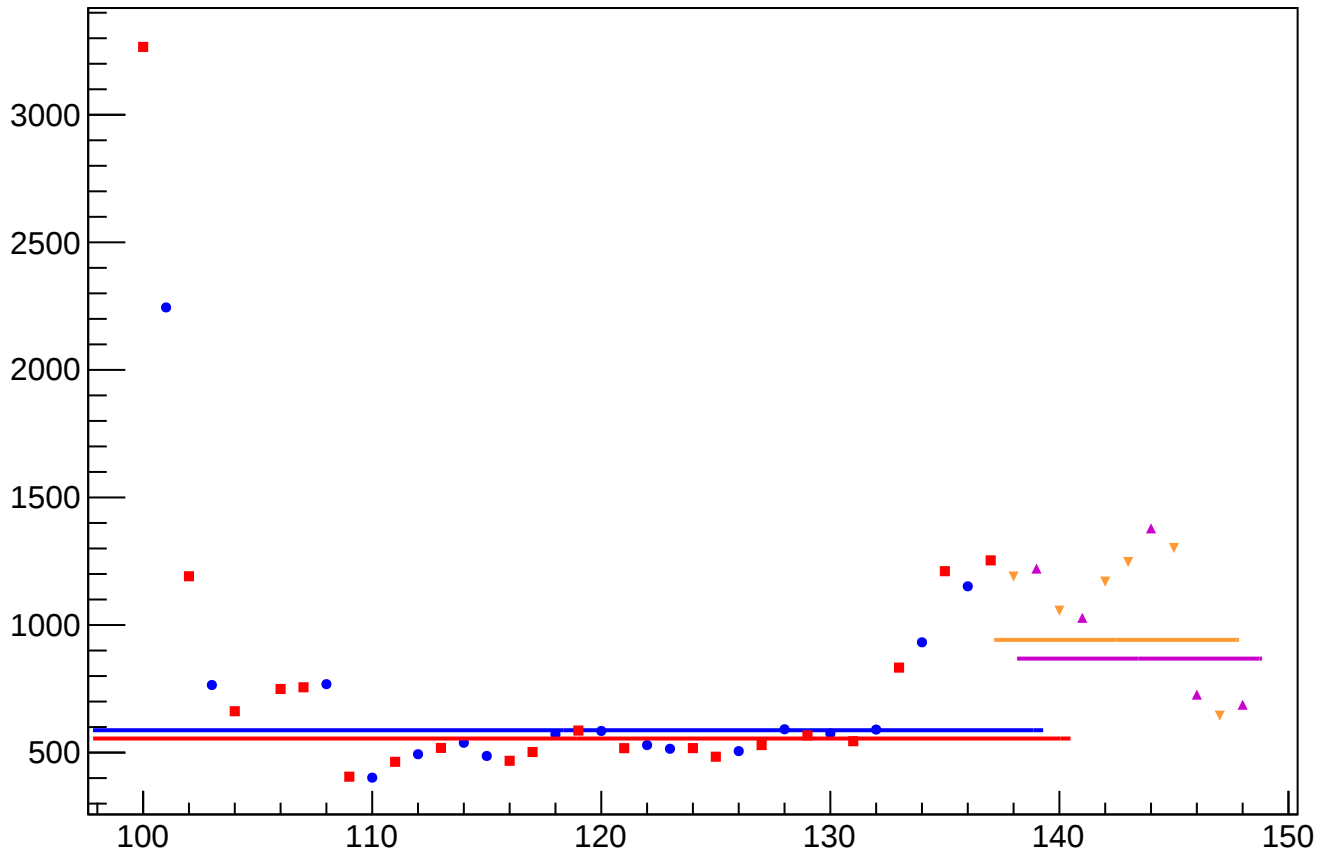
Right Out: -499.625 ± 220.558 χ^2/NDF : 11.9/19

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

-86.457 ± 216.337 χ^2/NDF : 36.9/22

-406.616 ± 198.015 χ^2/NDF : 14.0/24

asym_atr1_correction_rms vs Slug



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

Left Out: 941.783+/-0.343 χ^2/NDF : 632007.3/5

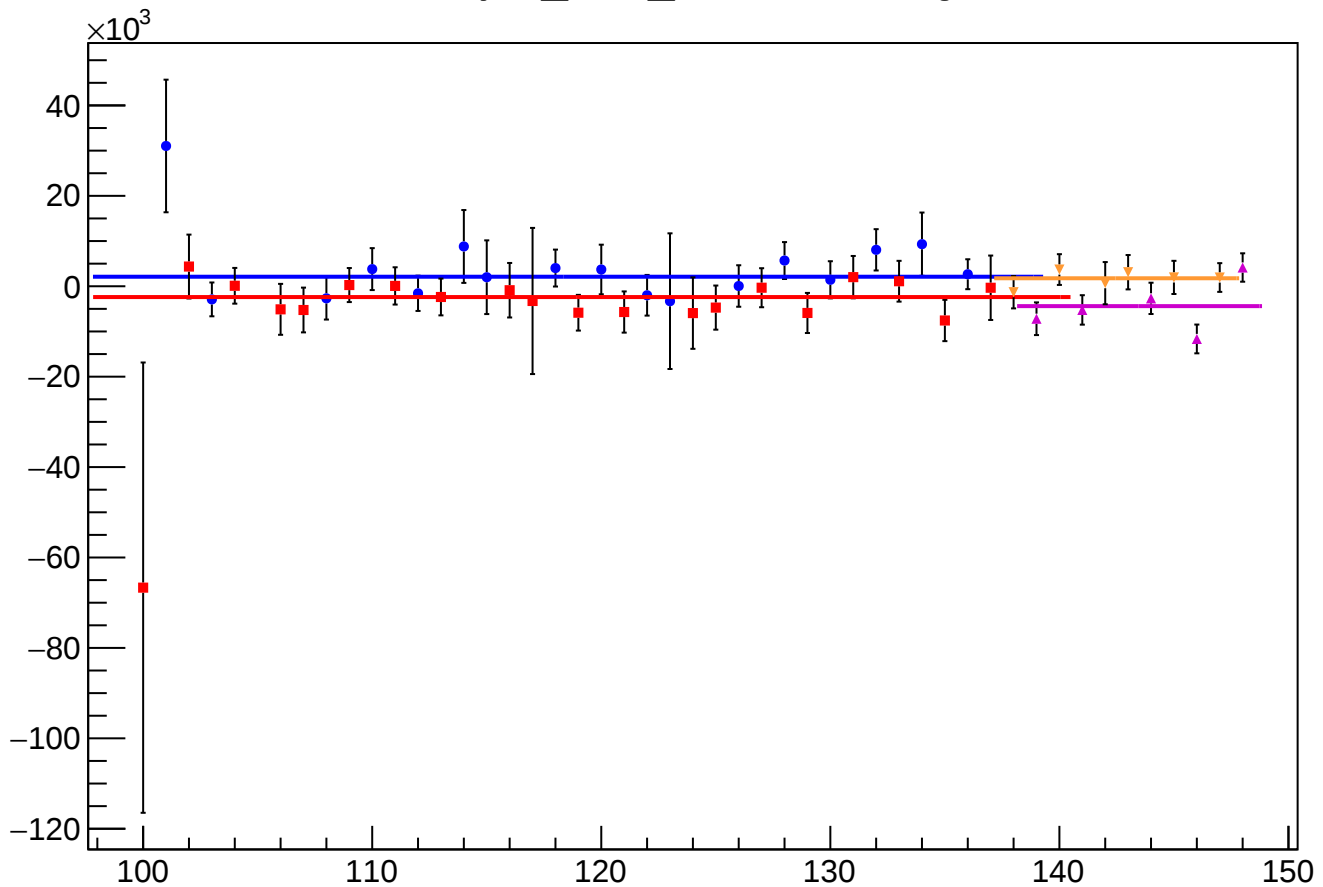
Right Out: 555.088+/-0.156 χ^2/NDF : 1107729.2/19

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

657.979+/-0.153 χ^2/NDF : 2911373.9/22

615.851+/-0.140 χ^2/NDF : 2454187.6/24

asym_atr1_mean vs Slug



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

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

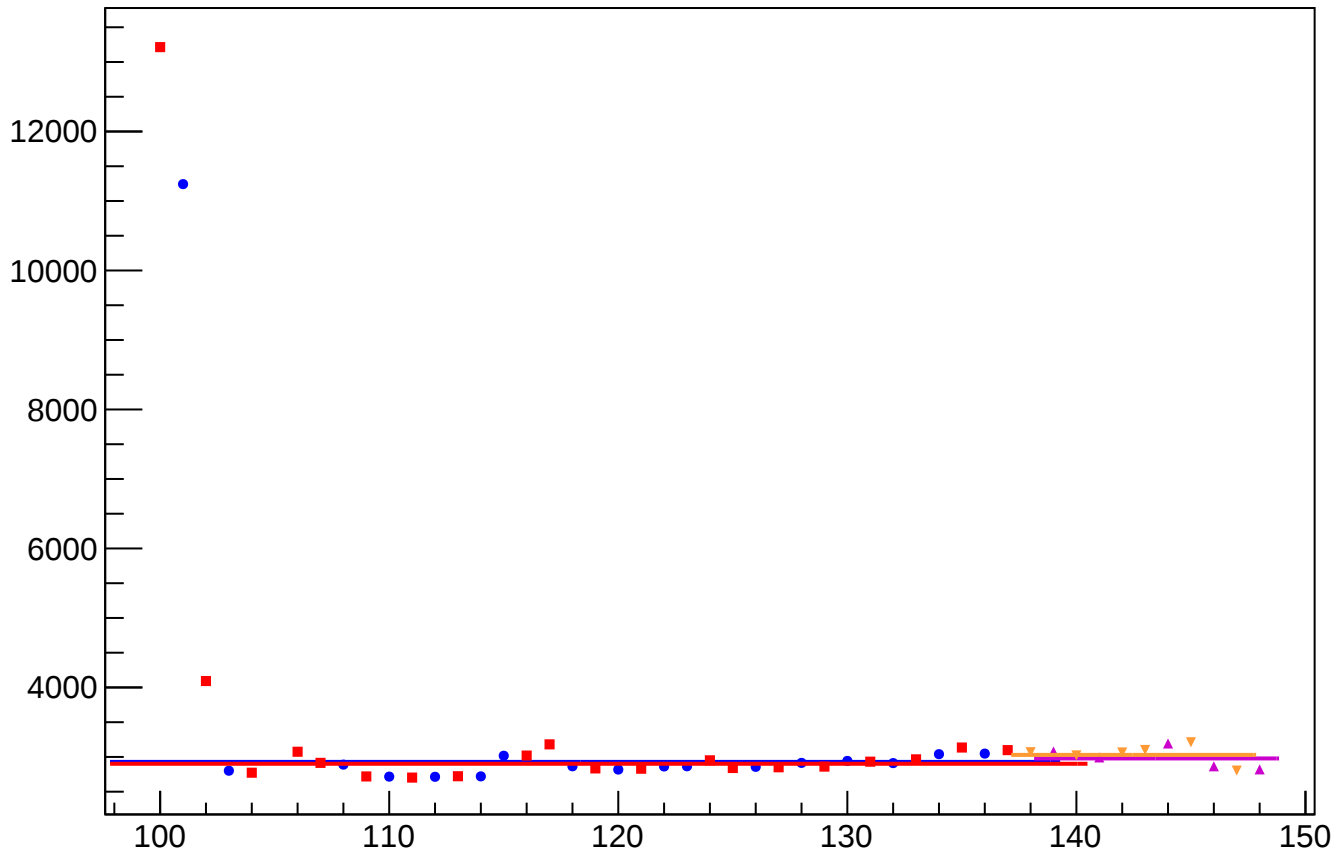
Right Out: -2389.947 ± 1107.639 χ^2/NDF : 9.9/19

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

1978.229 ± 916.426 χ^2/NDF : 14.8/22

-3107.690 ± 887.545 χ^2/NDF : 24.6/24

asym_atr1_rms vs Slug



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

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

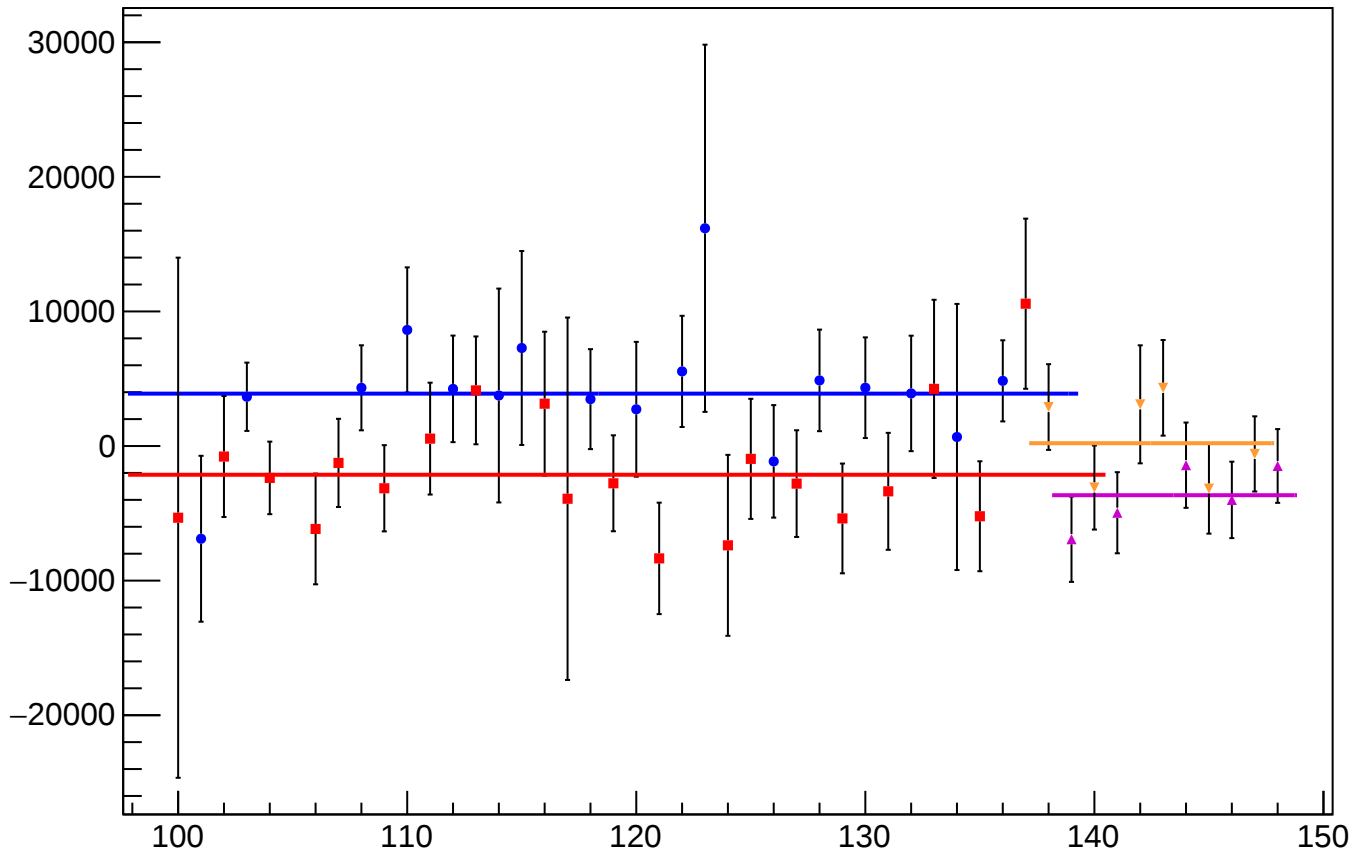
Right Out: 2901.790+/-0.783 χ^2/NDF : 170320.9/19

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

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

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

reg_asym_atr2_mean vs Slug



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

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

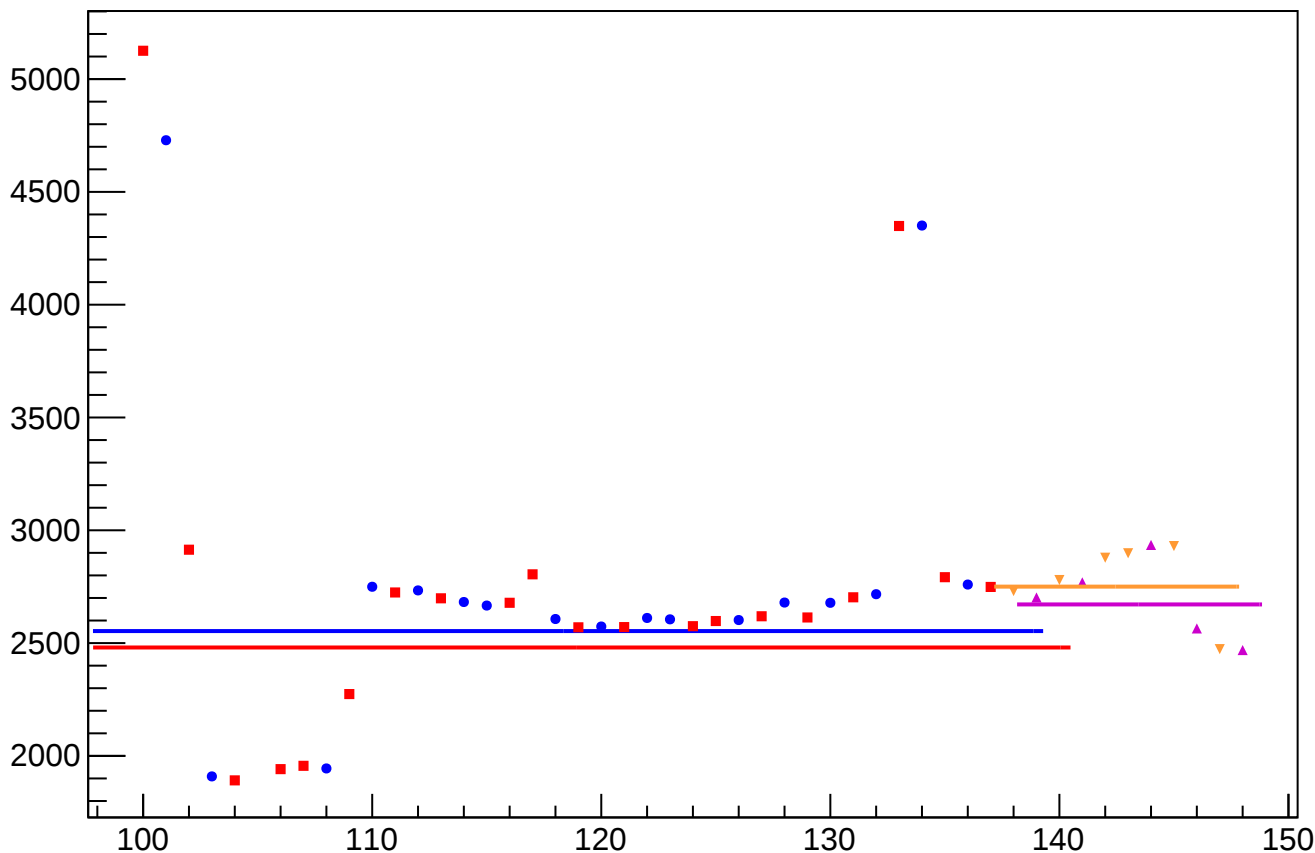
Right Out: -2133.736+/-955.999 χ^2/NDF : 14.4/19

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

2565.965+/-809.264 χ^2/NDF : 16.6/22

-2652.391+/-776.017 χ^2/NDF : 17.6/24

reg_asym_atr2_rms vs Slug



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

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

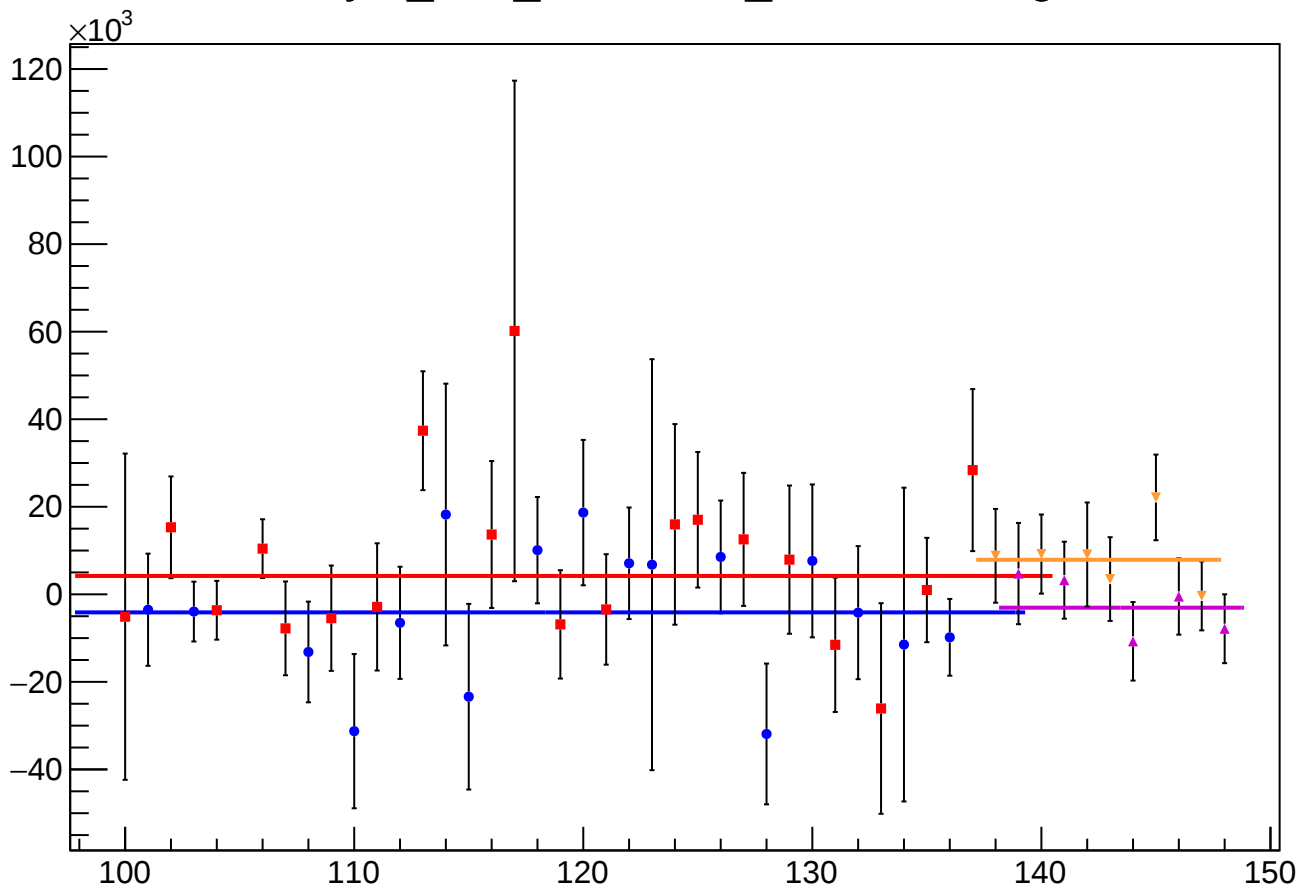
Right Out: 2480.504+/-0.676 χ^2/NDF : 450669.1/19

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

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

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

asym_atr2_correction_mean vs Slug



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

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

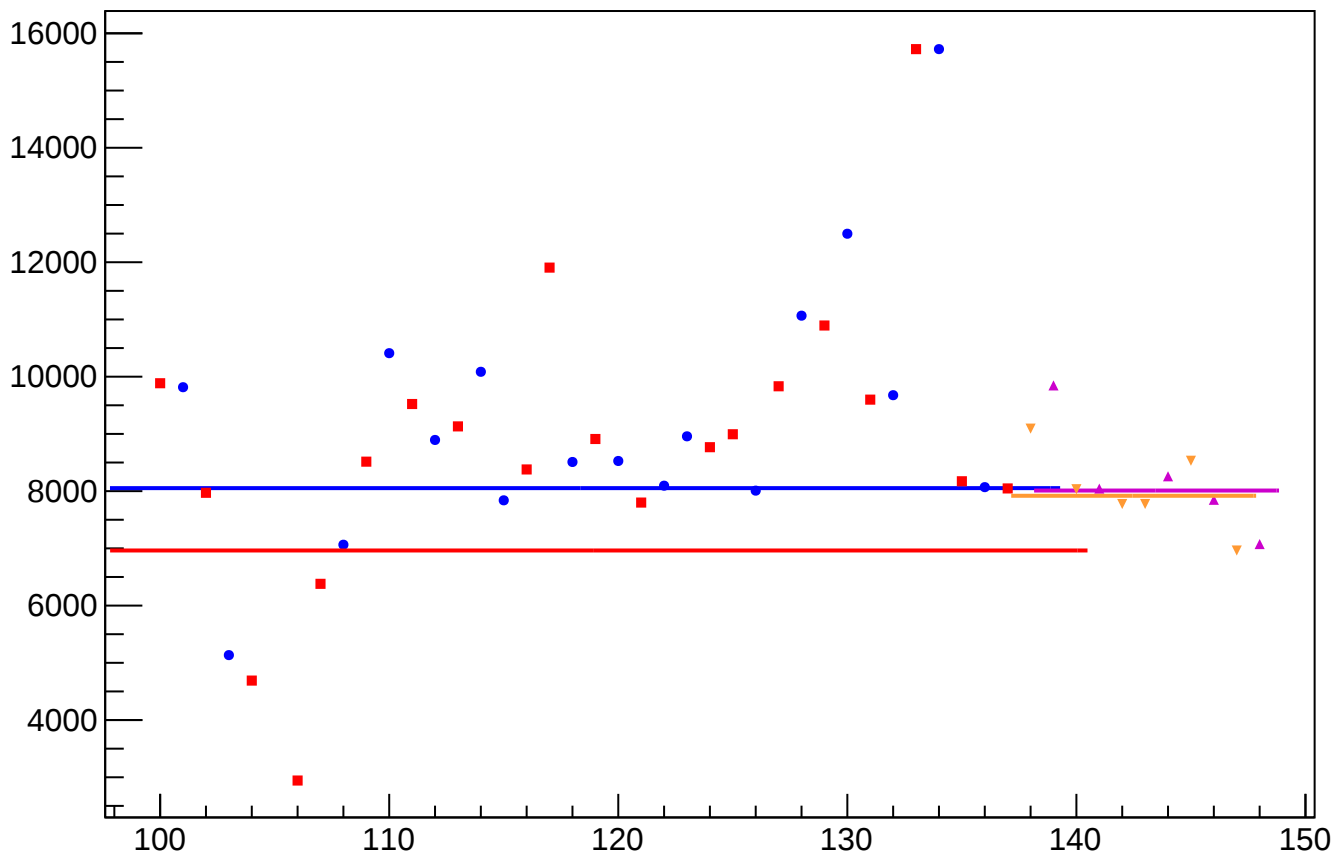
Right Out: 4197.870 ± 2830.850 χ^2/NDF : 19.5/19

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

748.995 ± 2487.685 χ^2/NDF : 22.5/22

1785.475 ± 2312.656 χ^2/NDF : 23.8/24

asym_atr2_correction_rms vs Slug



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

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

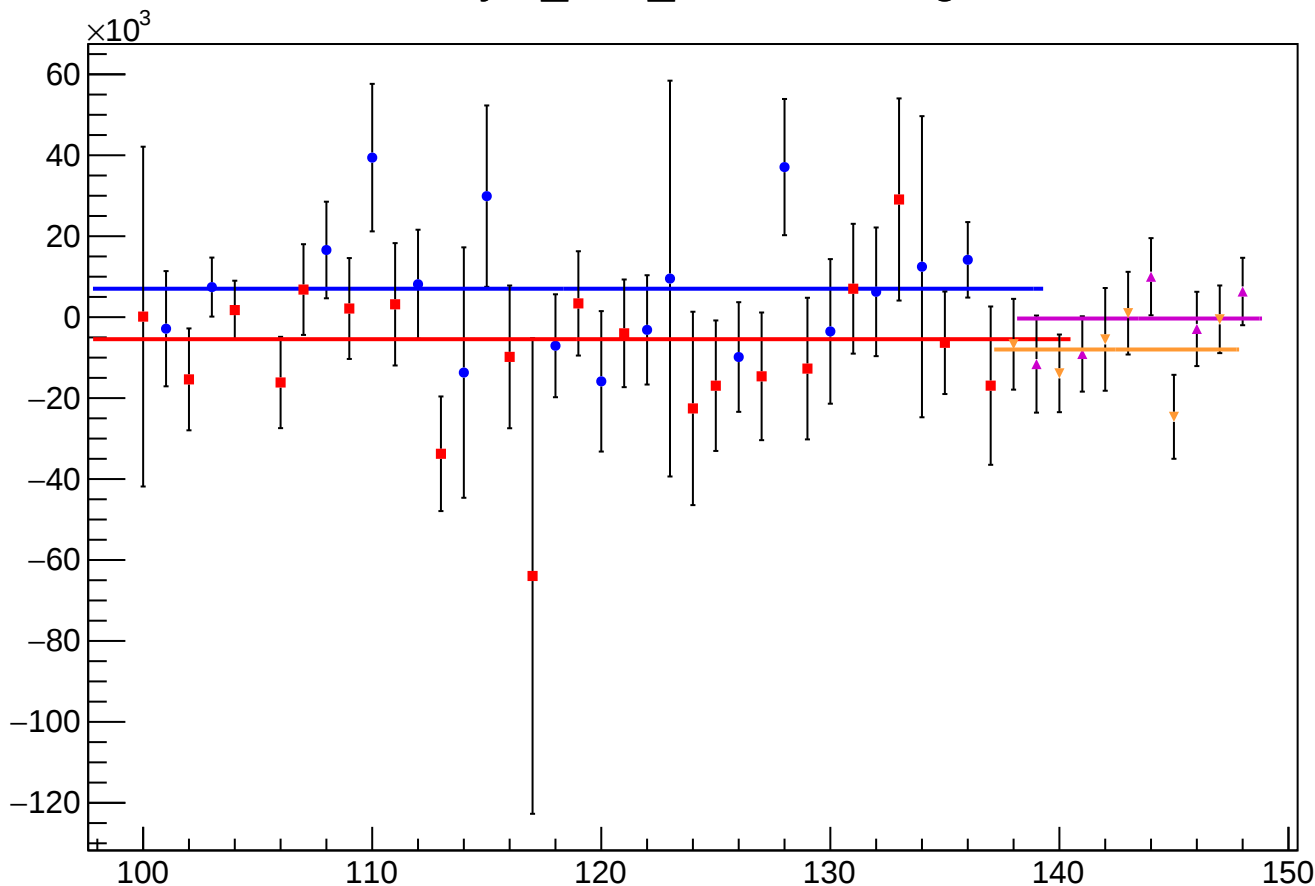
Right Out: 6963.091+/-2.002 χ^2/NDF : 1791563.9/19

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

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

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

asym_atr2_mean vs Slug



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

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

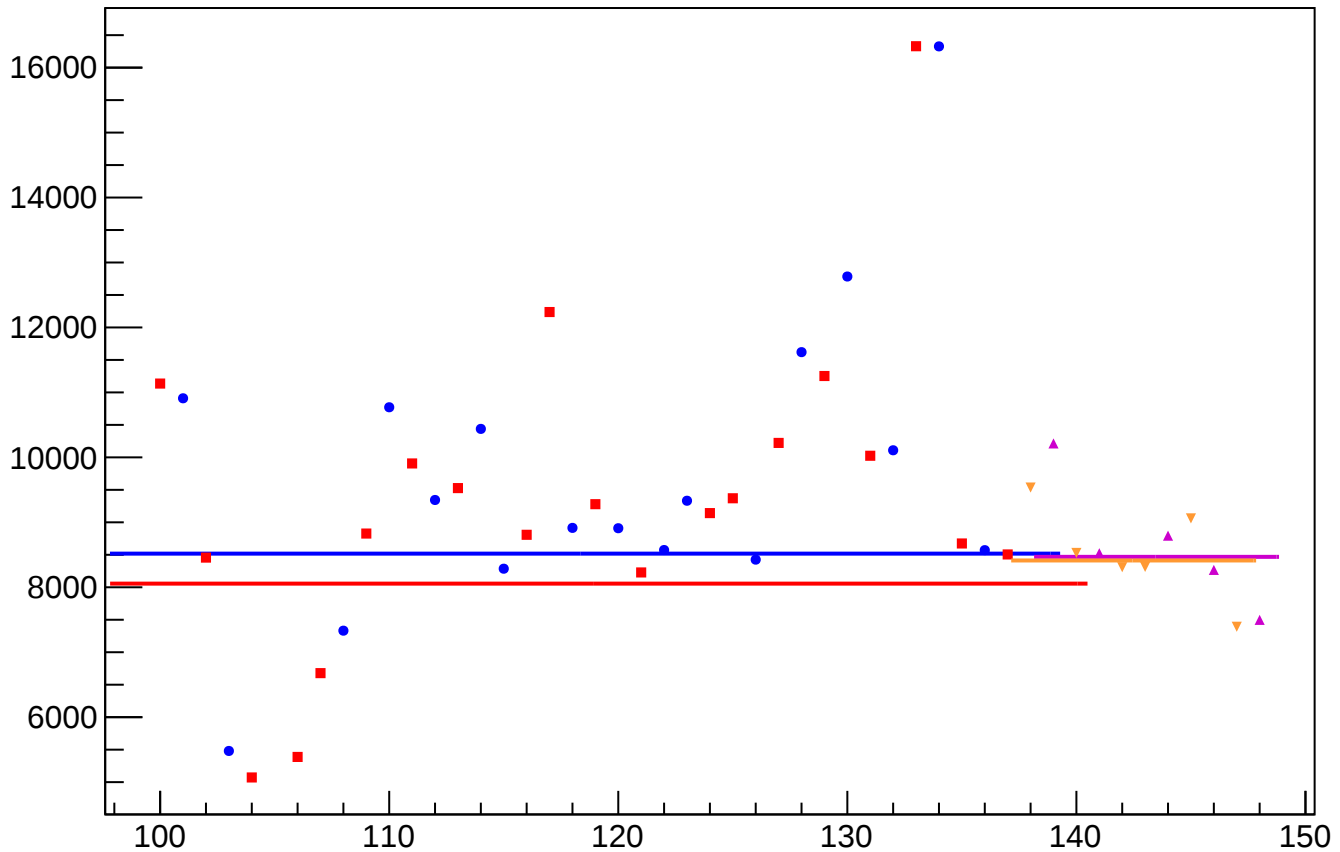
Right Out: -5441.890 $\pm$ 3163.600 χ^2 /NDF: 14.3/19

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

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

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

asym_atr2_rms vs Slug



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

Left Out: 8412.634+/-2.931 χ^2/NDF : 58293.4/5

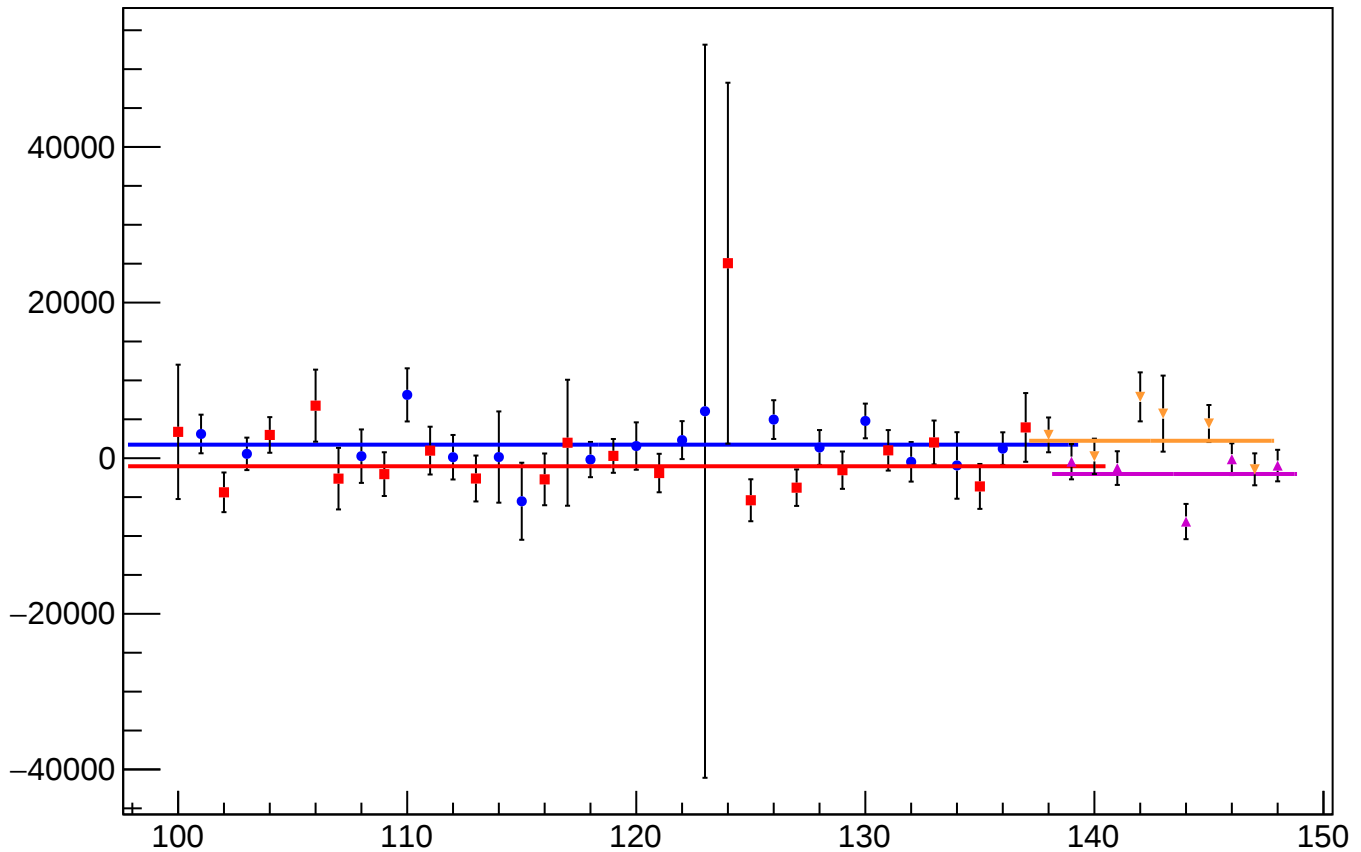
8475.406+/-1.862 χ^2/NDF : 822344.0/22

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

8203.814+/-1.792 χ^2/NDF : 1047315.1/24

Left In: 8468.363+/-2.994 χ^2/NDF : 72868.3/4

reg_asym_atl_avg_mean vs Slug



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

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

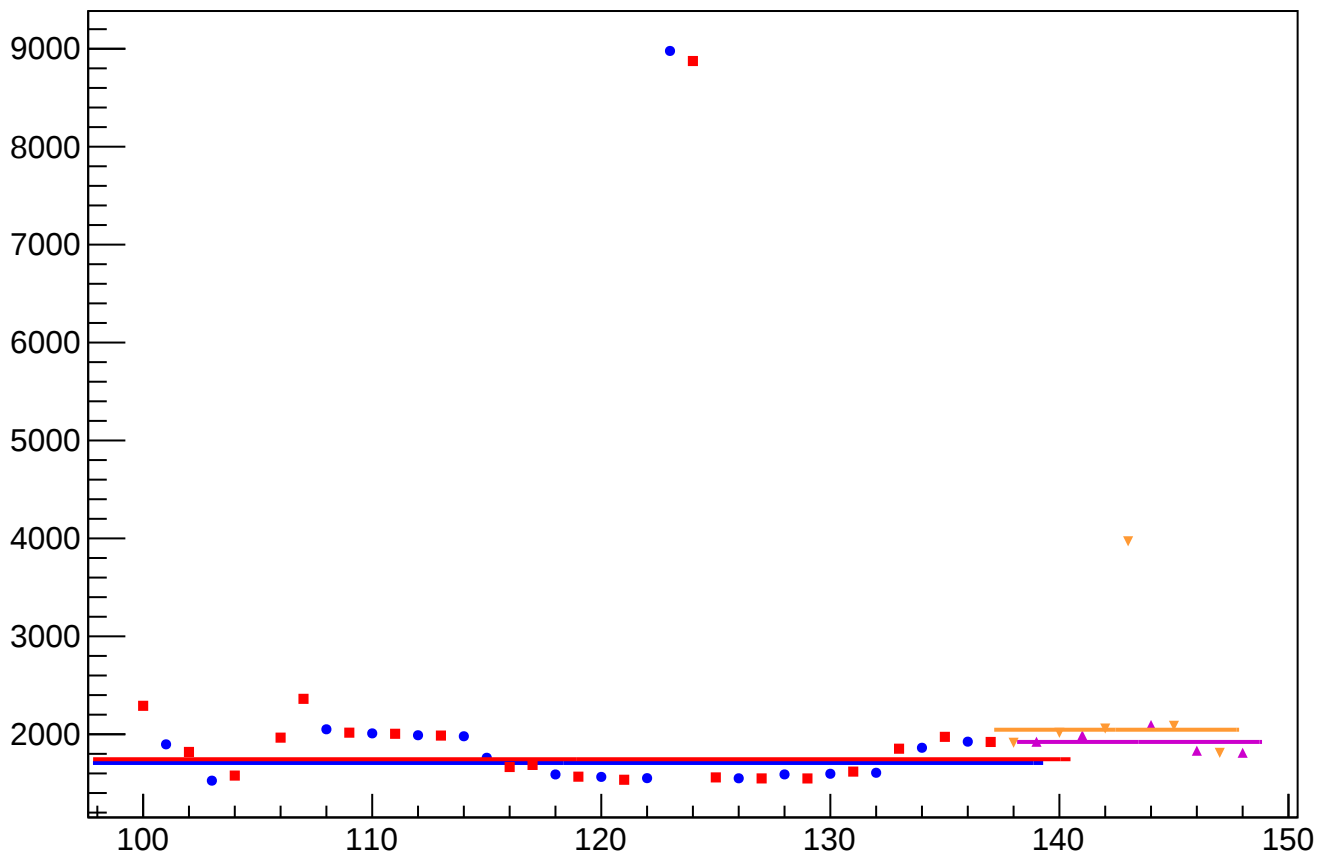
Right Out: -1034.828 ± 668.692 χ^2/NDF : 19.0/19

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

1889.247 ± 561.200 χ^2/NDF : 21.3/22

-1360.028 ± 548.566 χ^2/NDF : 28.8/24

reg_asym_atl_avg_rms vs Slug



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

Left Out: 2046.350+/-0.725 χ^2/NDF : 344480.2/5

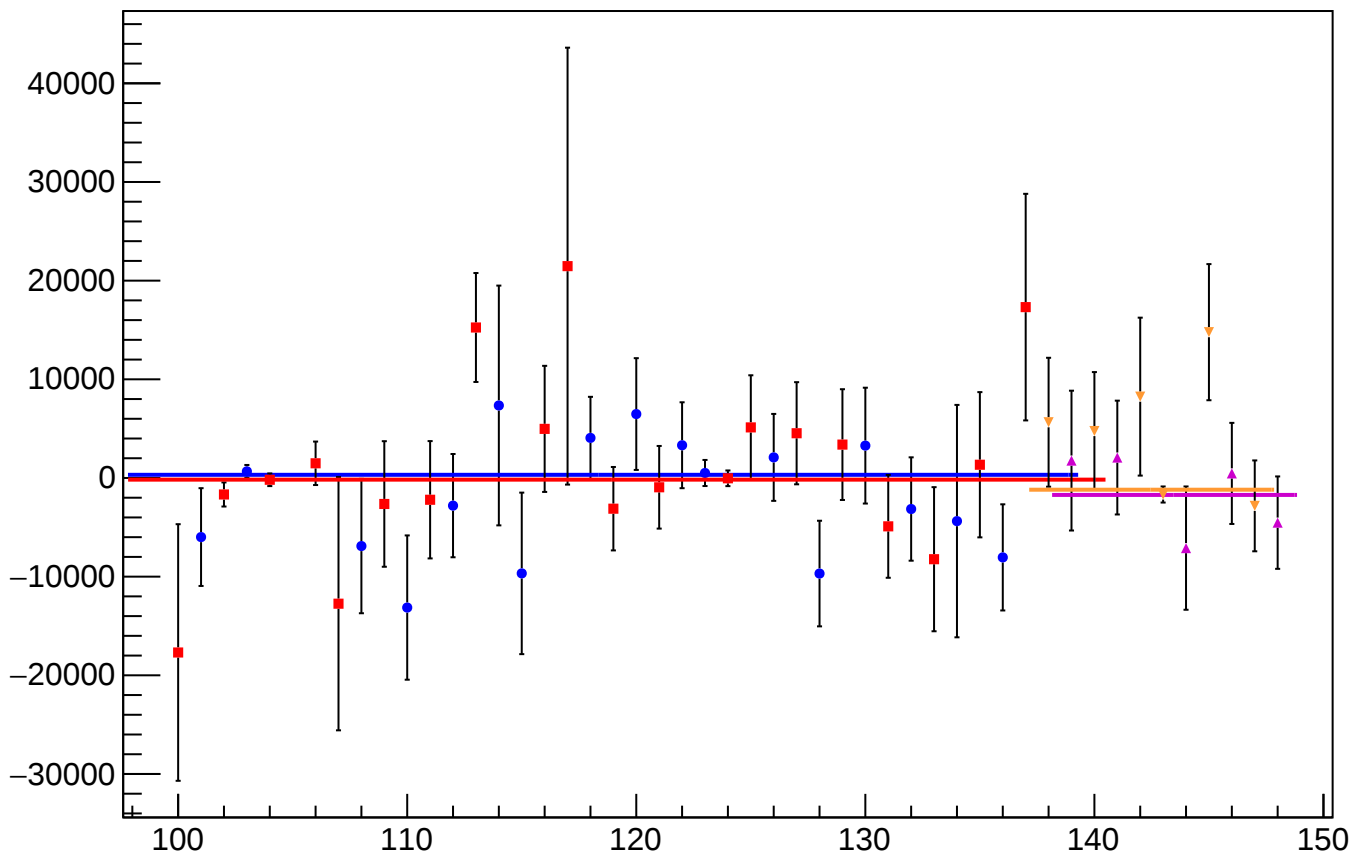
Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

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

1808.451+/-0.397 χ^2/NDF : 695502.0/22

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

asym_atl_avg_correction_mean vs Slug



Right In: 320.899 ± 540.384 $\chi^2/\text{NDF}: 18.0/16$

Left Out: -1189.236 ± 780.431 $\chi^2/\text{NDF}: 9.3/5$

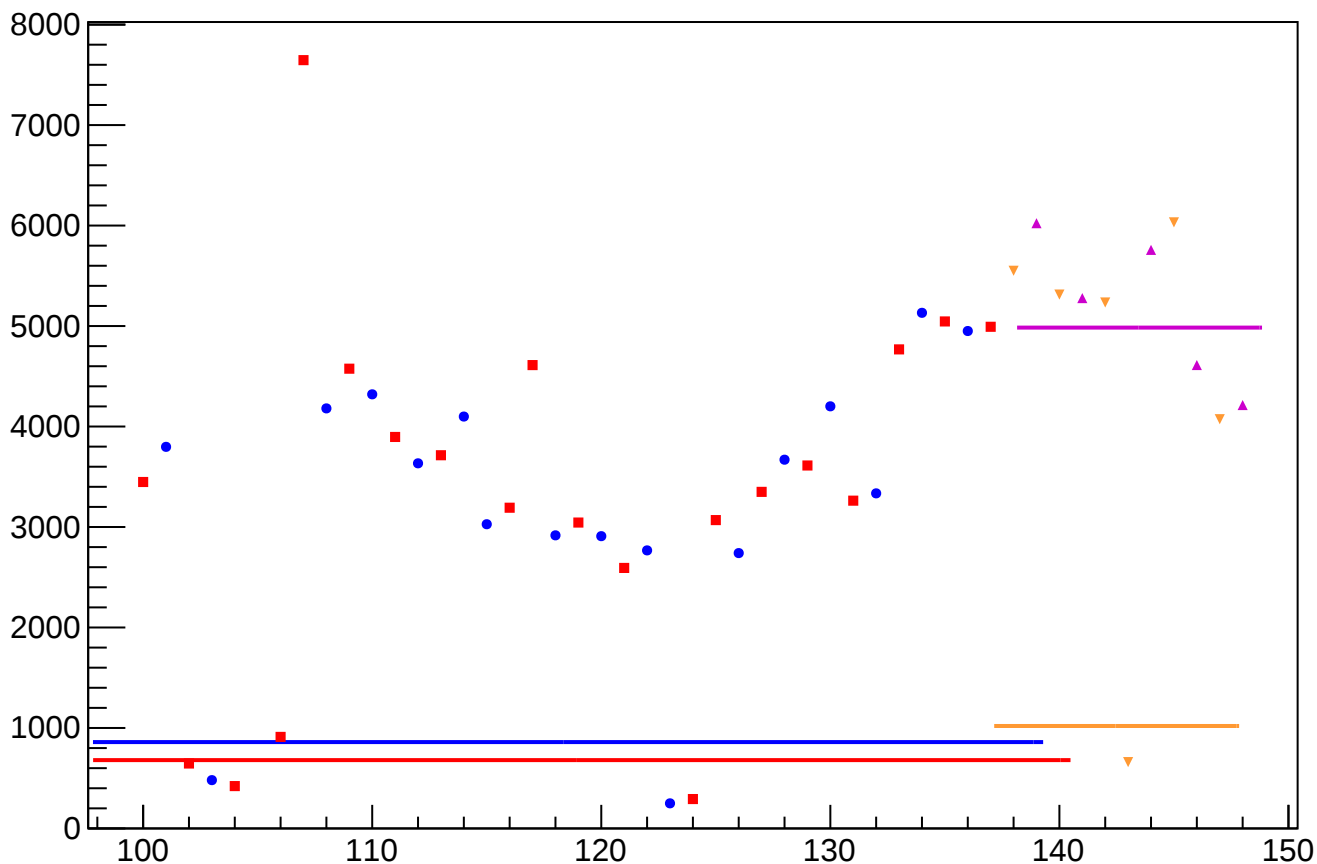
Right Out: -168.343 ± 433.469 $\chi^2/\text{NDF}: 21.7/19$

Left In: -1717.682 ± 2505.465 $\chi^2/\text{NDF}: 2.0/4$

-168.489 ± 444.277 $\chi^2/\text{NDF}: 29.9/22$

-213.371 ± 427.123 $\chi^2/\text{NDF}: 24.0/24$

asym_atl_avg_correction_rms vs Slug



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

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

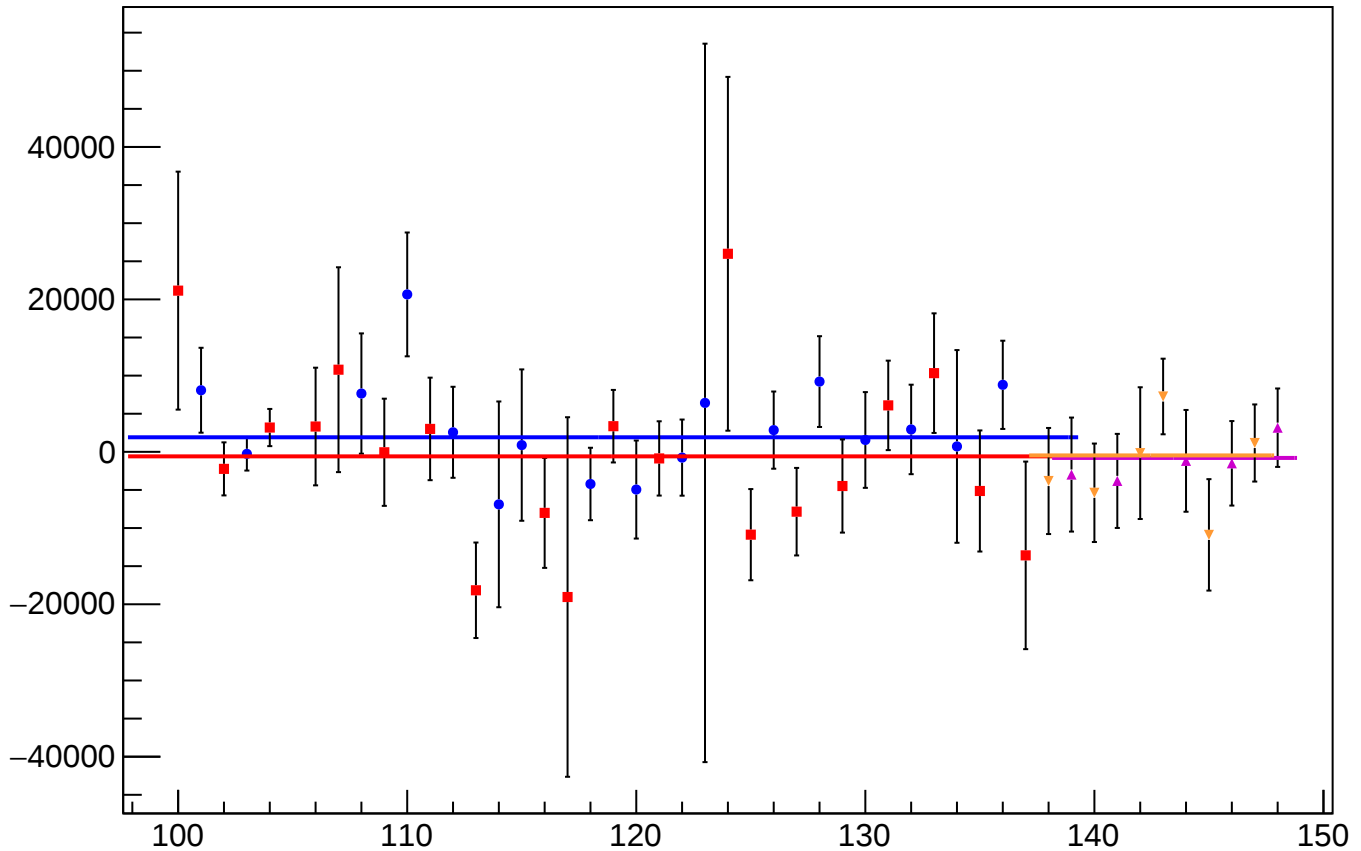
Right Out: 680.110+/-0.307 χ^2/NDF : 8447884.2/19

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

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

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

asym_atl_avg_mean vs Slug



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

Left Out: -469.529+/-2528.579 χ^2/NDF : 5.4/5

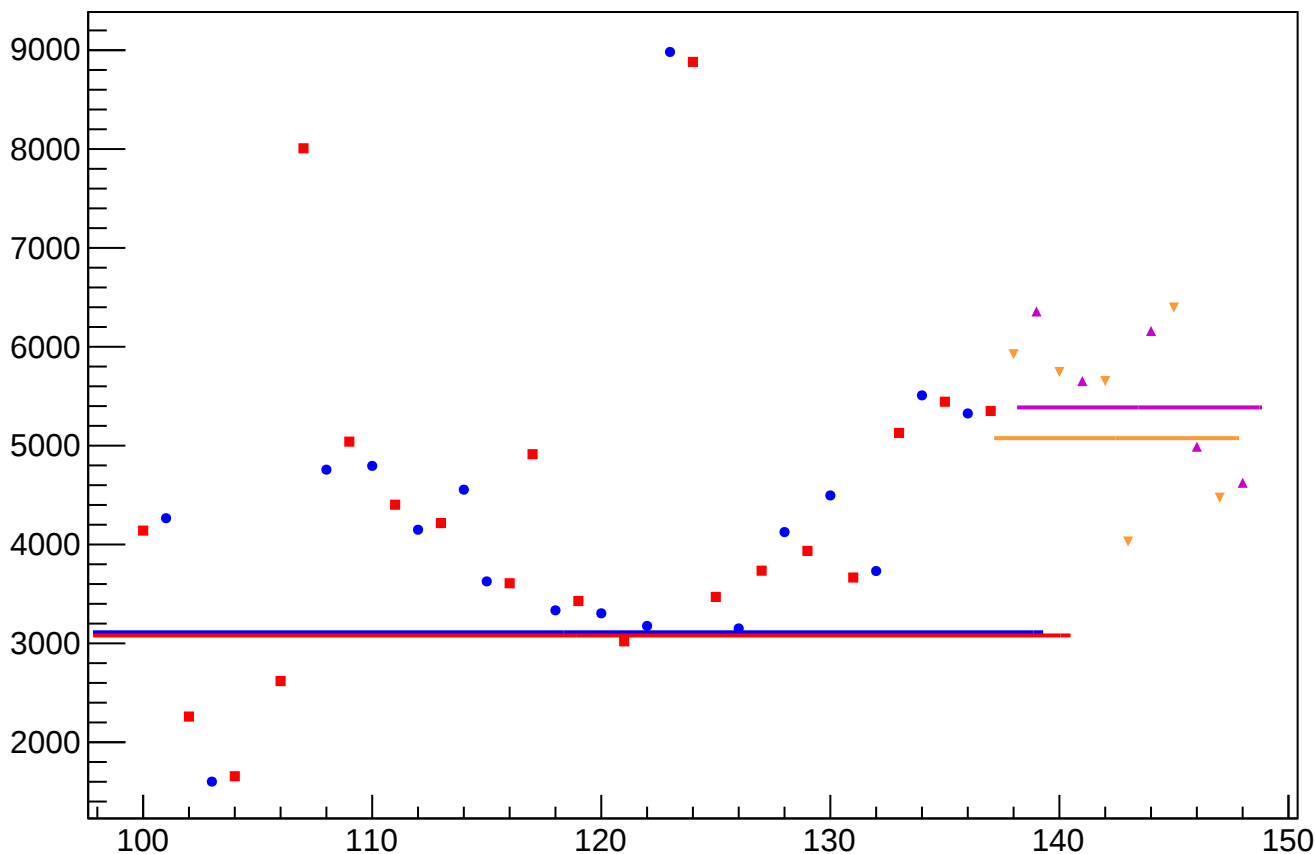
Right Out: -594.380+/-1283.911 χ^2/NDF : 27.0/19

Left In: -799.624+/-2703.164 χ^2/NDF : 0.9/4

1405.826+/-1163.321 χ^2/NDF : 20.7/22

-632.159+/-1159.744 χ^2/NDF : 27.9/24

asym_atl_avg_rms vs Slug



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

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

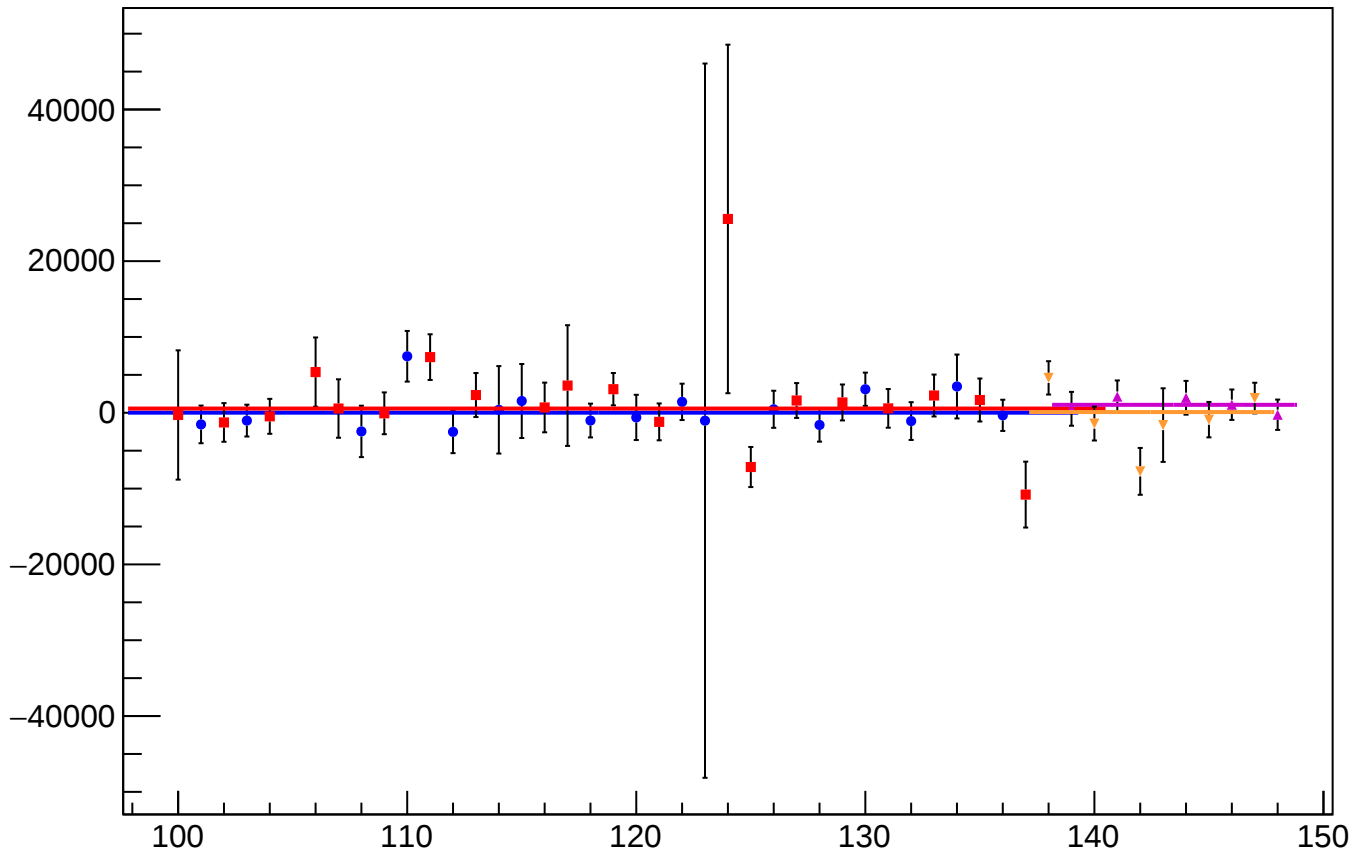
Right Out: 3080.063 ± 0.895 χ^2/NDF : 2017746.3/19

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

3527.482 ± 0.823 χ^2/NDF : 3073152.9/22

3494.624 ± 0.810 χ^2/NDF : 3330377.5/24

reg_asym_atl_dd_mean vs Slug



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

Left Out: 95.528+/-1008.955 χ^2/NDF :12.2/5

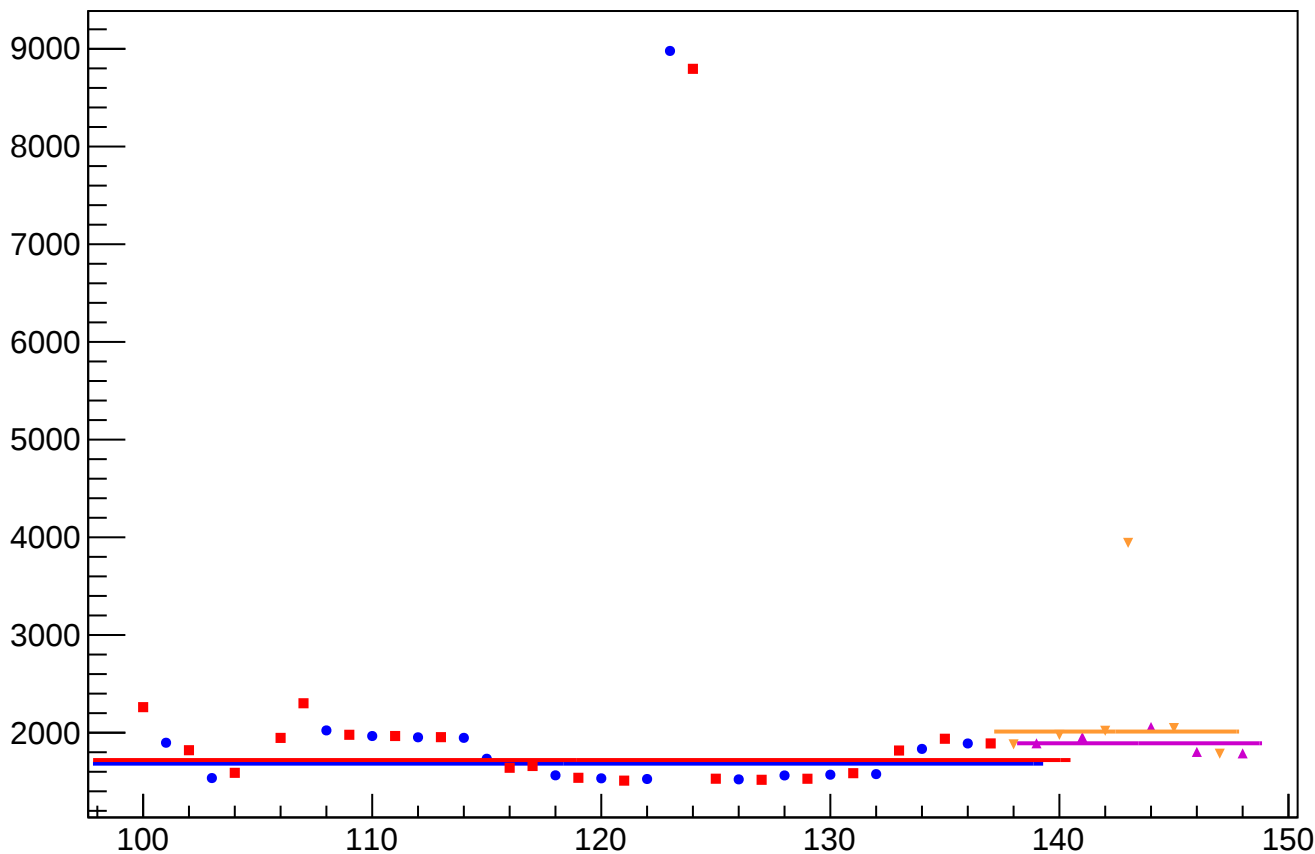
Right Out: 558.377+/-658.875 χ^2/NDF : 26.8/19

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

38.571+/-552.970 χ^2/NDF : 23.3/22

718.699+/-540.326 χ^2/NDF : 27.9/24

reg_asym_atl_dd_rms vs Slug



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

Left Out: 2011.712+/-0.713 χ^2/NDF : 349760.4/5

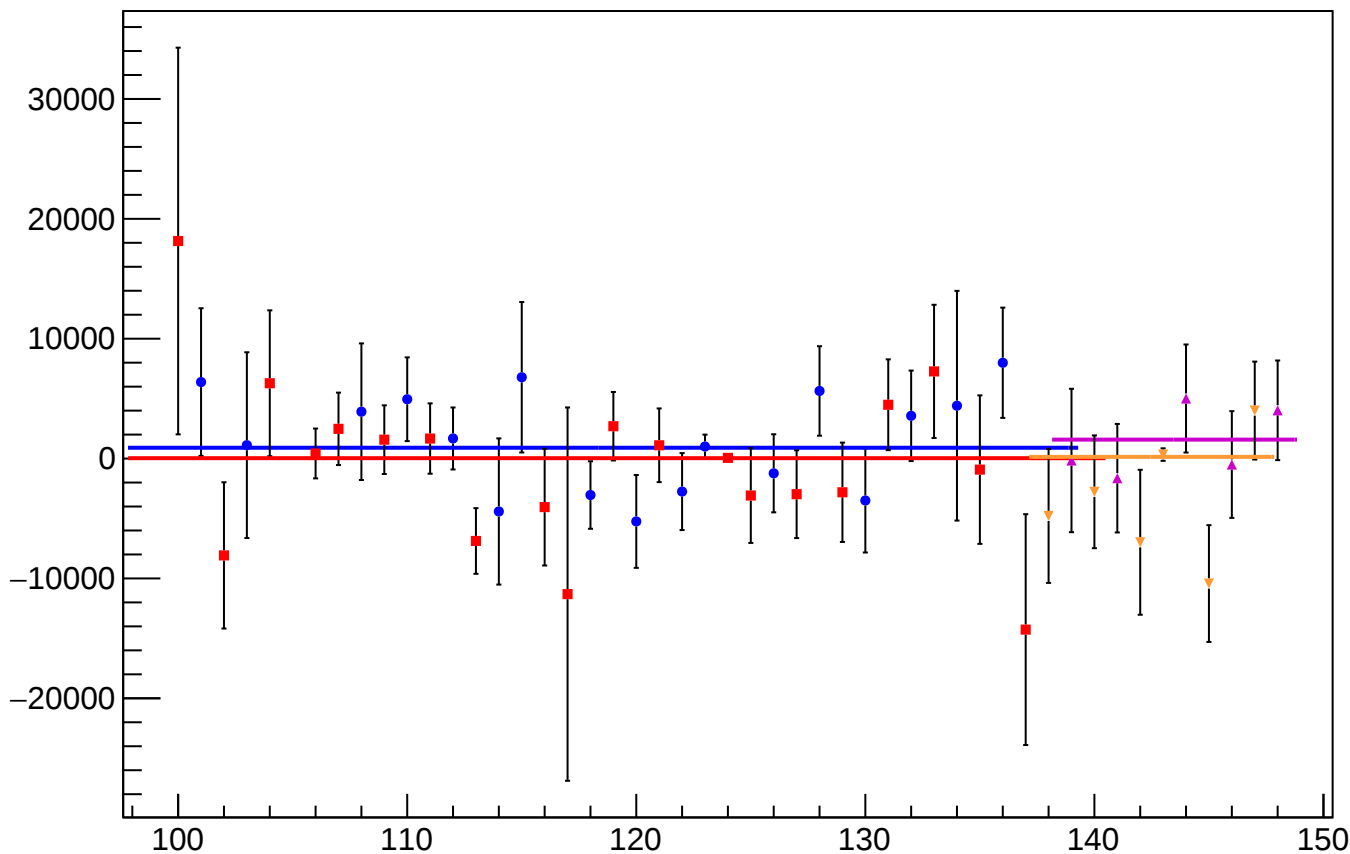
Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

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

1781.917+/-0.391 χ^2/NDF : 693940.0/22

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

asym_atl_dd_correction_mean vs Slug



Right In: 903.344 ± 705.564 $\chi^2/\text{NDF}: 16.0/16$

Left Out: 142.116 ± 508.333 $\chi^2/\text{NDF}: 8.3/5$

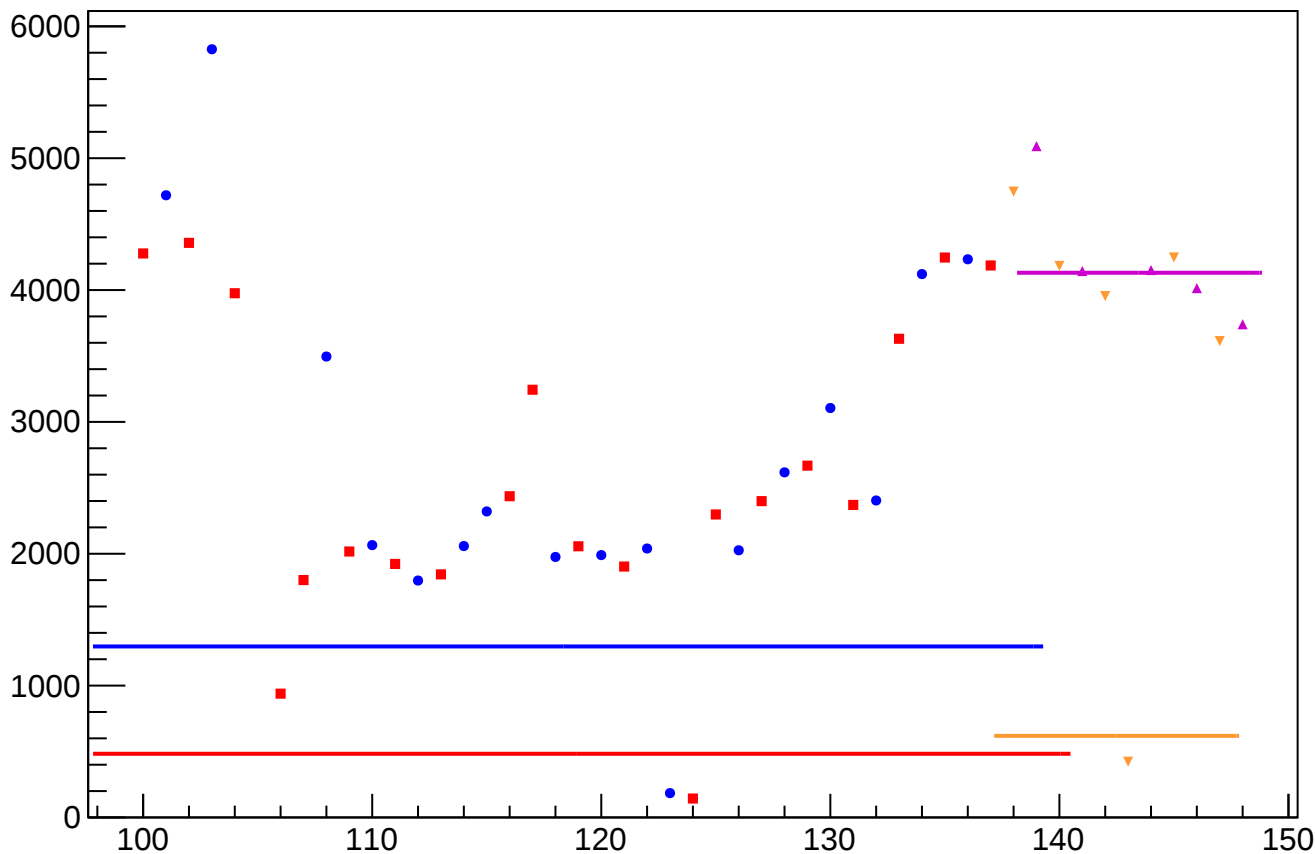
Right Out: 32.177 ± 357.083 $\chi^2/\text{NDF}: 21.0/19$

Left In: 1580.118 ± 2065.854 $\chi^2/\text{NDF}: 1.7/4$

402.228 ± 412.439 $\chi^2/\text{NDF}: 25.1/22$

77.083 ± 351.865 $\chi^2/\text{NDF}: 23.3/24$

asym_atl_dd_correction_rms vs Slug



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

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

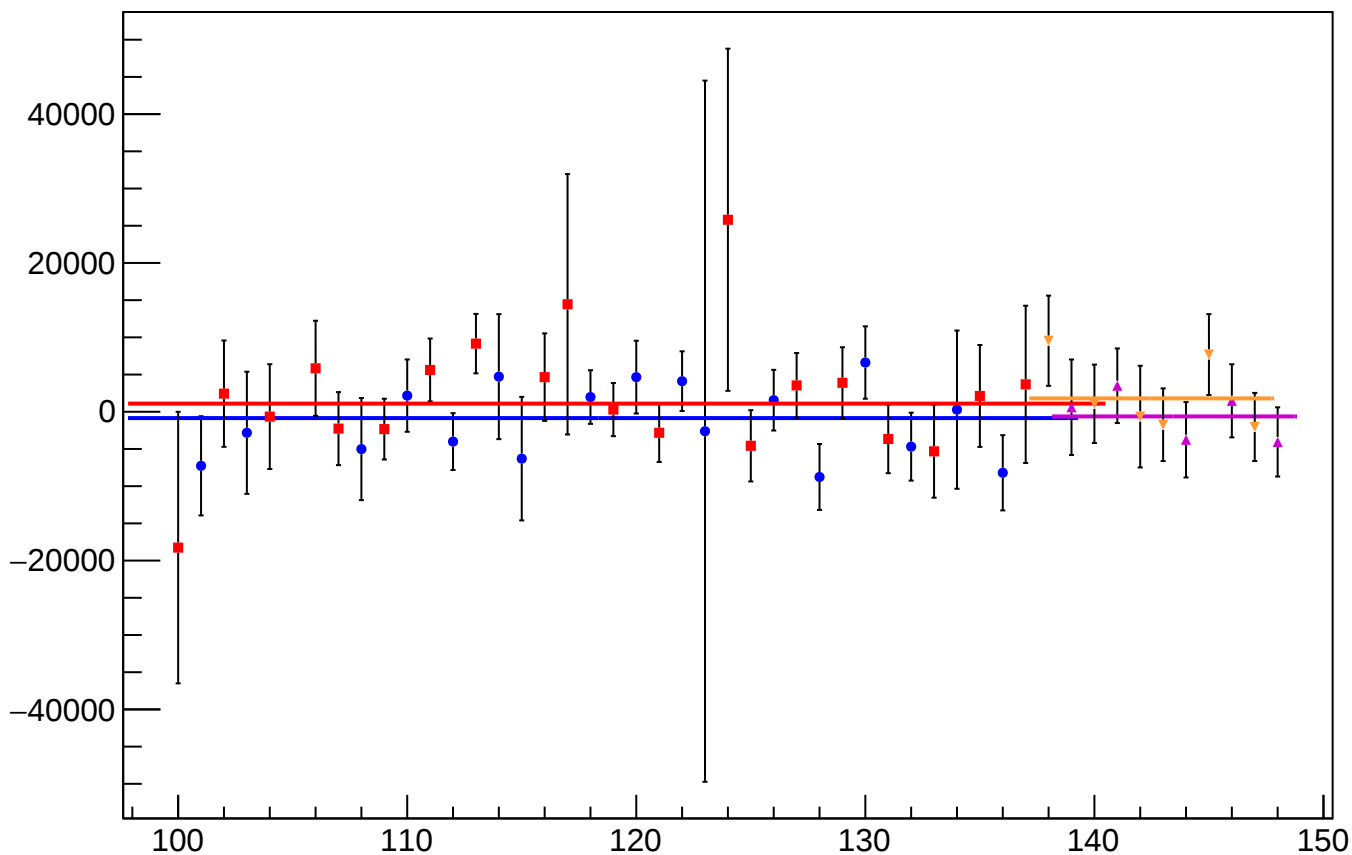
Right Out: 483.029+/-0.252 χ^2/NDF : 10207063.0/19

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

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

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

asym_atl_dd_mean vs Slug



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

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

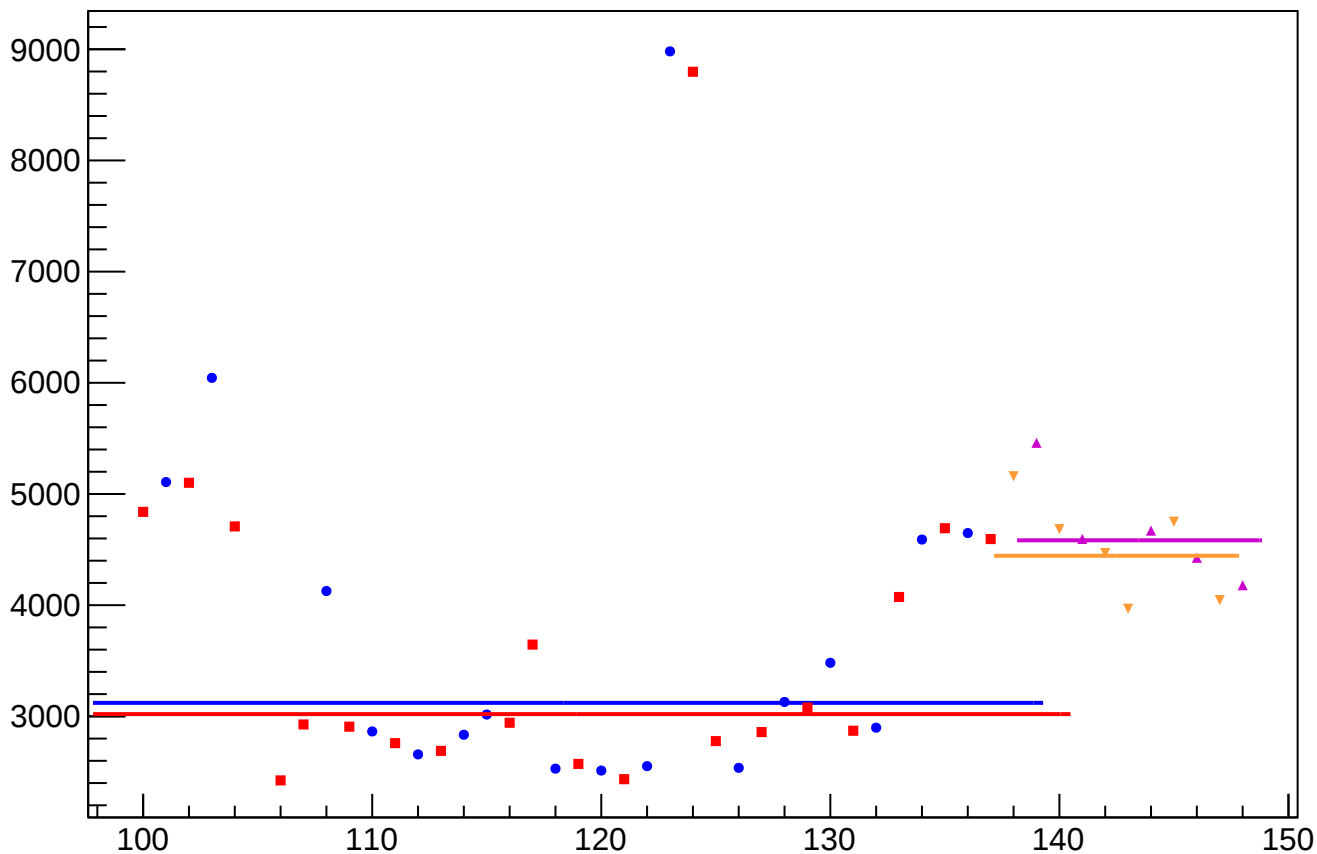
Right Out: 1095.033 ± 1187.966 χ^2/NDF : 15.6/19

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

-191.024 ± 1093.002 χ^2/NDF : 20.7/22

730.078 ± 1054.506 χ^2/NDF : 17.9/24

asym_atl_dd_rms vs Slug



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

Left Out: 4444.324+/-1.550 χ^2/NDF : 72593.8/5

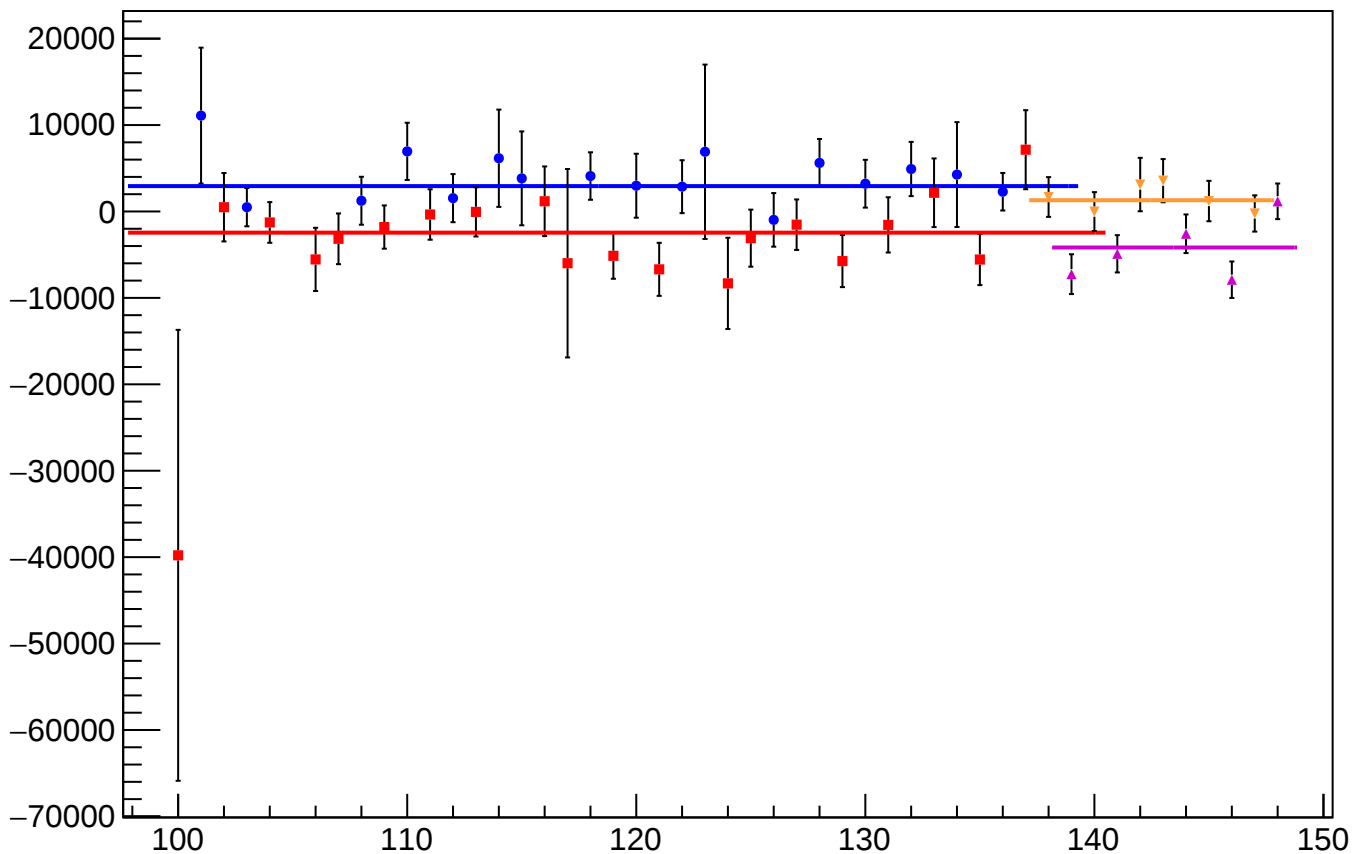
Right Out: 3020.039+/-0.830 χ^2/NDF : 794563.8/19

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

3450.466+/-0.773 χ^2/NDF : 1565791.2/22

3345.097+/-0.738 χ^2/NDF : 1587956.2/24

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1299.562+/-971.086 χ^2/NDF : 2.1/5

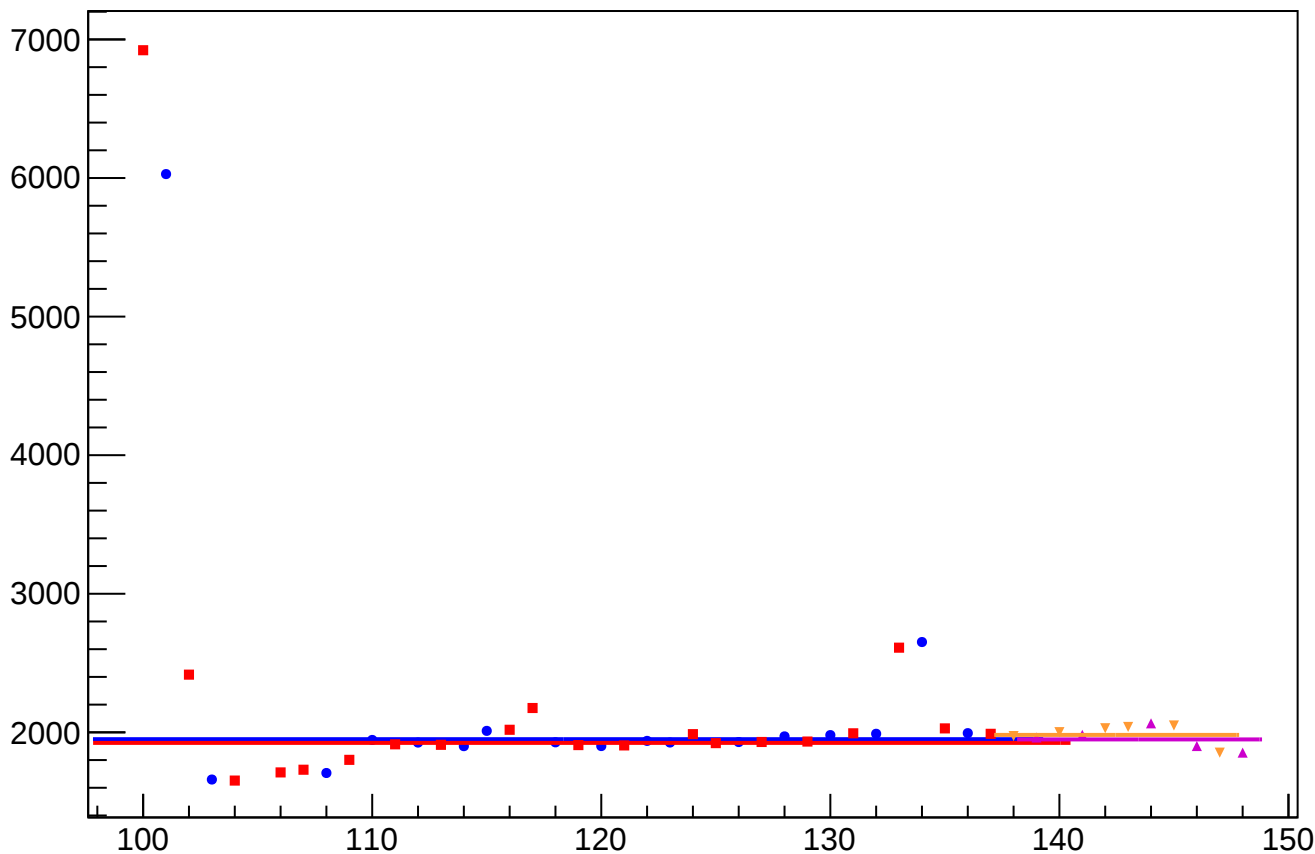
Right Out: -2449.072+/-738.715 χ^2/NDF : 18.3/19

Left In: -4169.331+/-969.793 χ^2/NDF : 12.2/4

2298.793+/-605.916 χ^2/NDF : 12.0/22

-3080.714+/-587.648 χ^2/NDF : 32.5/24

reg_asym_atr_avg_rms vs Slug



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

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

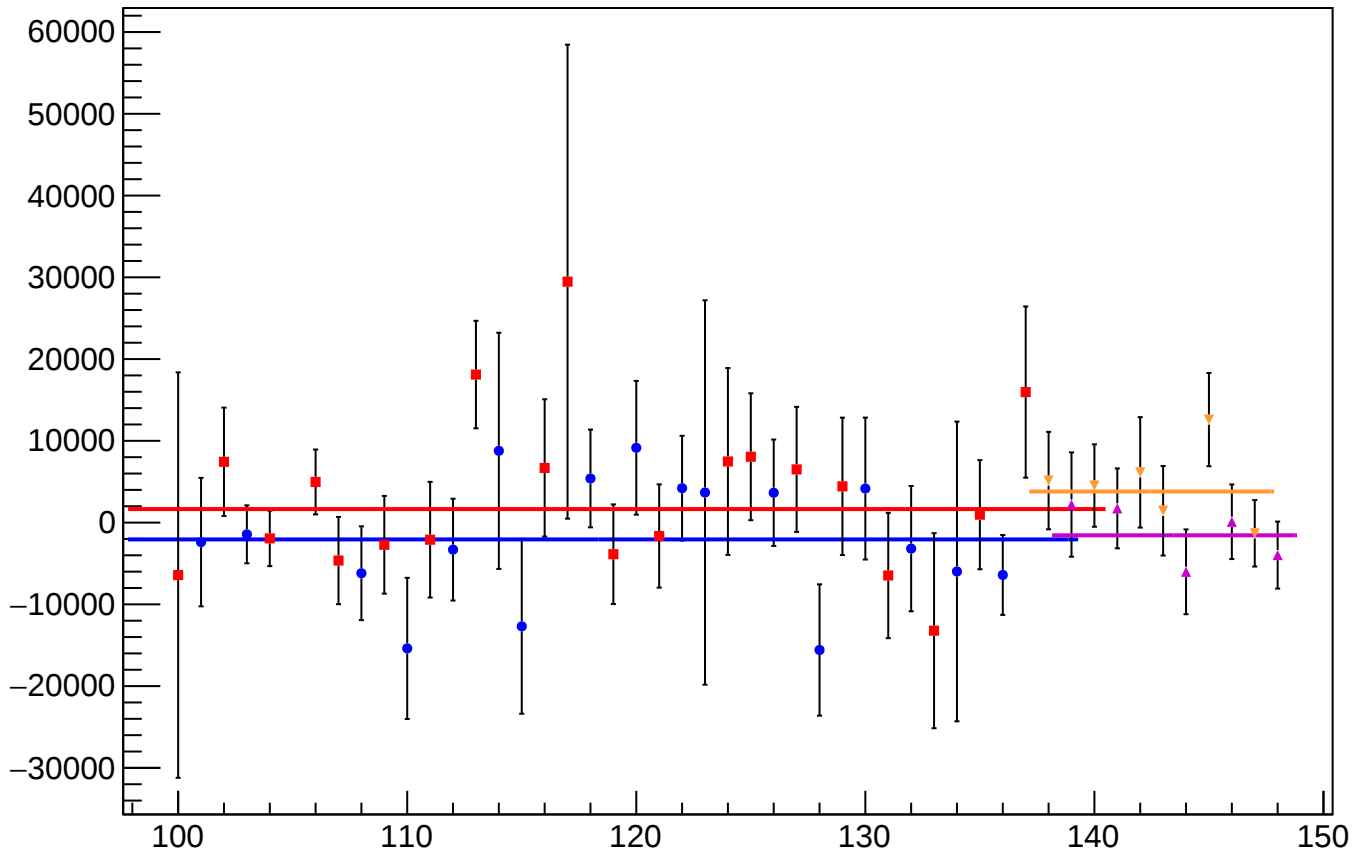
Right Out: 1923.907 ± 0.521 χ^2/NDF : 218470.6/19

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

1962.635 ± 0.428 χ^2/NDF : 629426.1/22

1933.059 ± 0.415 χ^2/NDF : 230546.9/24

asym_atr_avg_correction_mean vs Slug



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

Left Out: 3803.052+/-2161.018 χ^2/NDF : 4.3/5

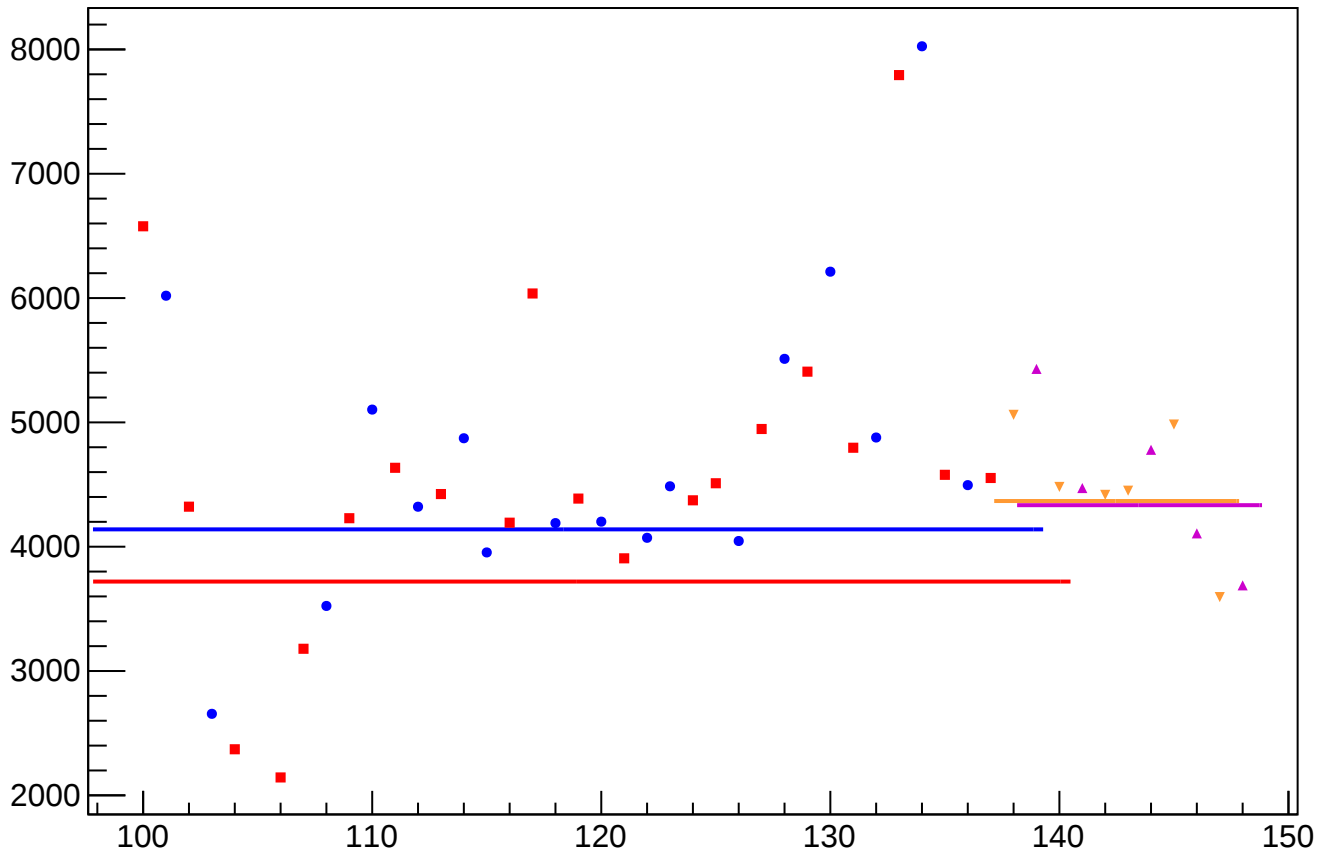
Right Out: 1652.978+/-1475.490 χ^2/NDF : 19.5/19

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

119.489+/-1316.977 χ^2/NDF : 22.9/22

642.938+/-1221.286 χ^2/NDF : 23.0/24

asym_atr_avg_correction_rms vs Slug



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

Left Out: 4367.414+/-1.528 χ^2/NDF :124262.2/5

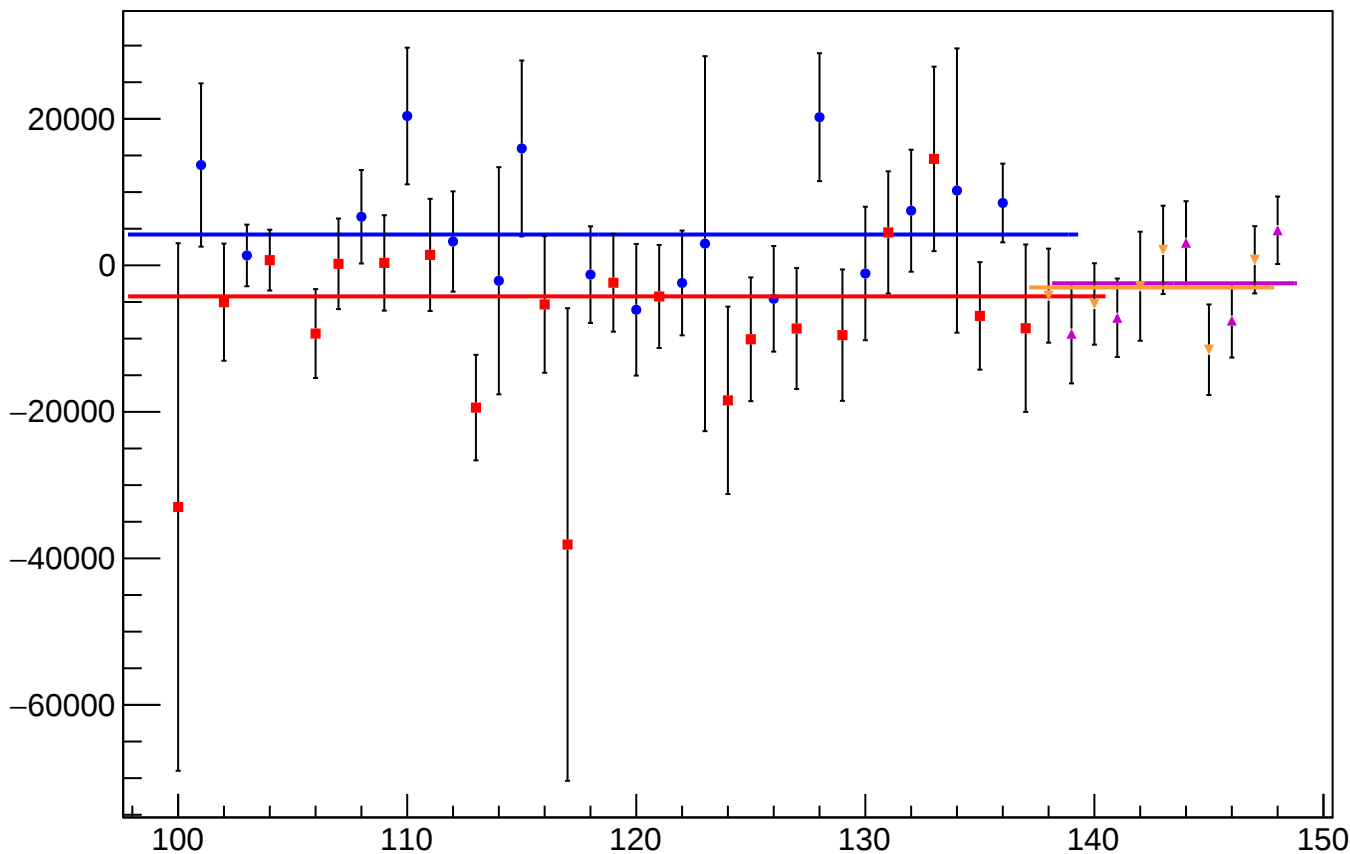
Right Out: 3719.546+/-1.043 χ^2/NDF : 1288644.4/19

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

4224.080+/-0.931 χ^2/NDF : 951810.0/22

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

asym_atr_avg_mean vs Slug



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

Left Out: -3013.669 ± 2384.147 χ^2/NDF : 3.5/5

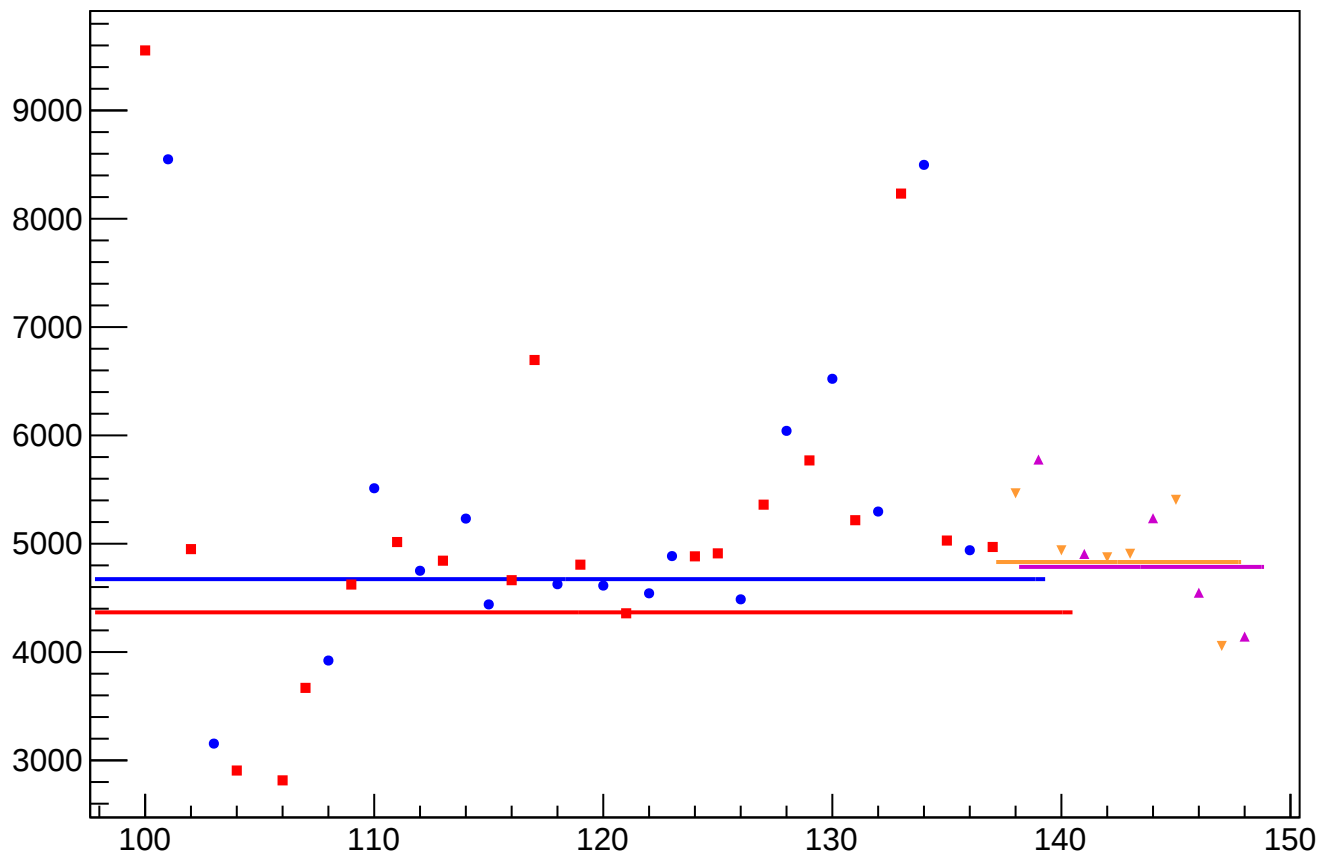
Right Out: -4230.596 ± 1722.878 χ^2/NDF : 15.9/19

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

1457.399 ± 1472.026 χ^2/NDF : 23.6/22

-3622.734 ± 1399.056 χ^2/NDF : 22.5/24

asym_atr_avg_rms vs Slug



Right In: 4673.046+/-1.323 χ^2/NDF : 777321.1/16

Left Out: 4831.113+/-1.686 χ^2/NDF : 94972.3/5

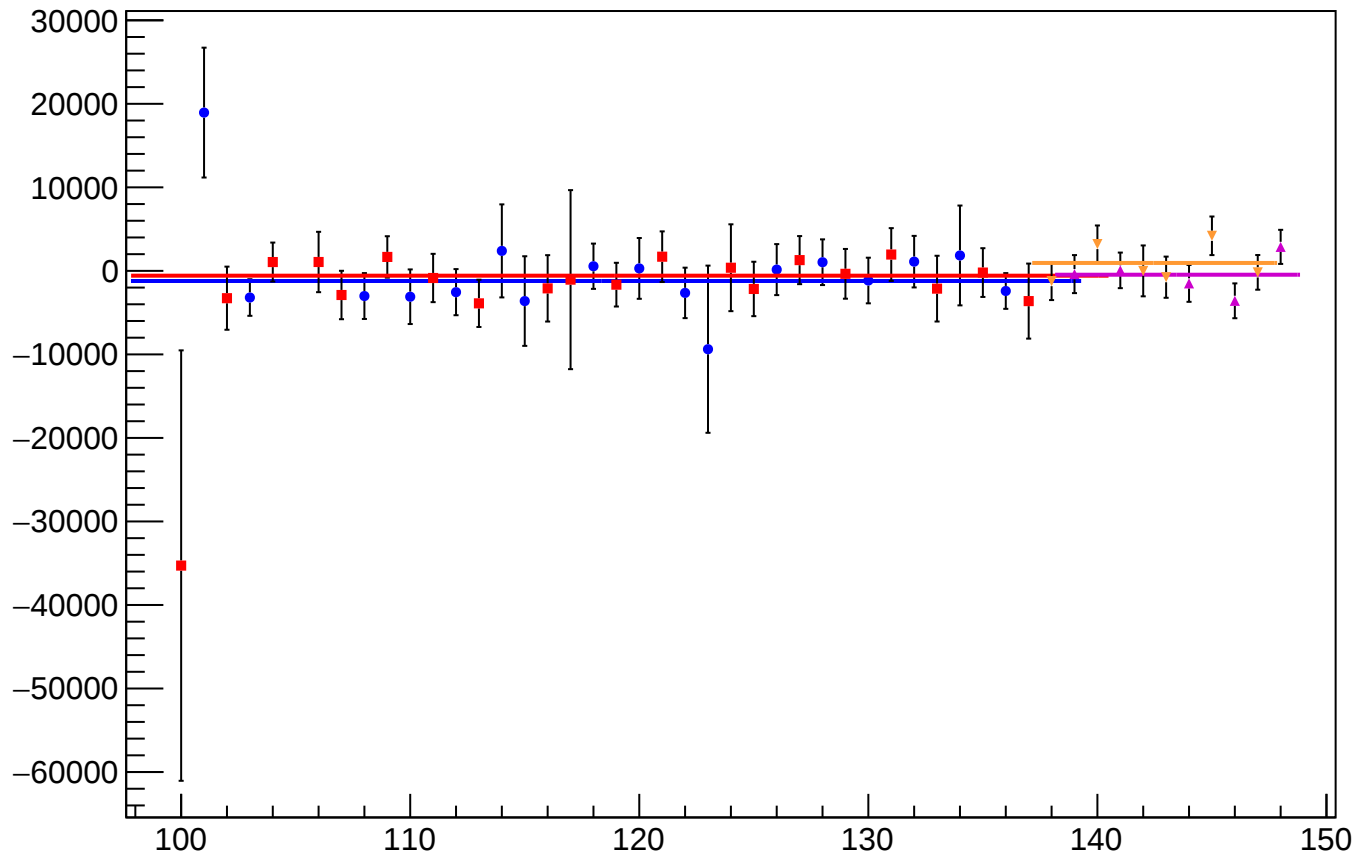
Right Out: 4366.422+/-1.211 χ^2/NDF : 842654.3/19

Left In: 4785.889+/-1.695 χ^2/NDF : 99677.5/4

4733.303+/-1.041 χ^2/NDF : 877733.4/22

4508.199+/-0.986 χ^2/NDF : 982867.4/24

reg_asym_atr_dd_mean vs Slug



Right In: -1211.176 ± 765.294 $\chi^2/\text{NDF}: 12.7/16$

Left Out: 948.393 ± 958.762 $\chi^2/\text{NDF}: 4.8/5$

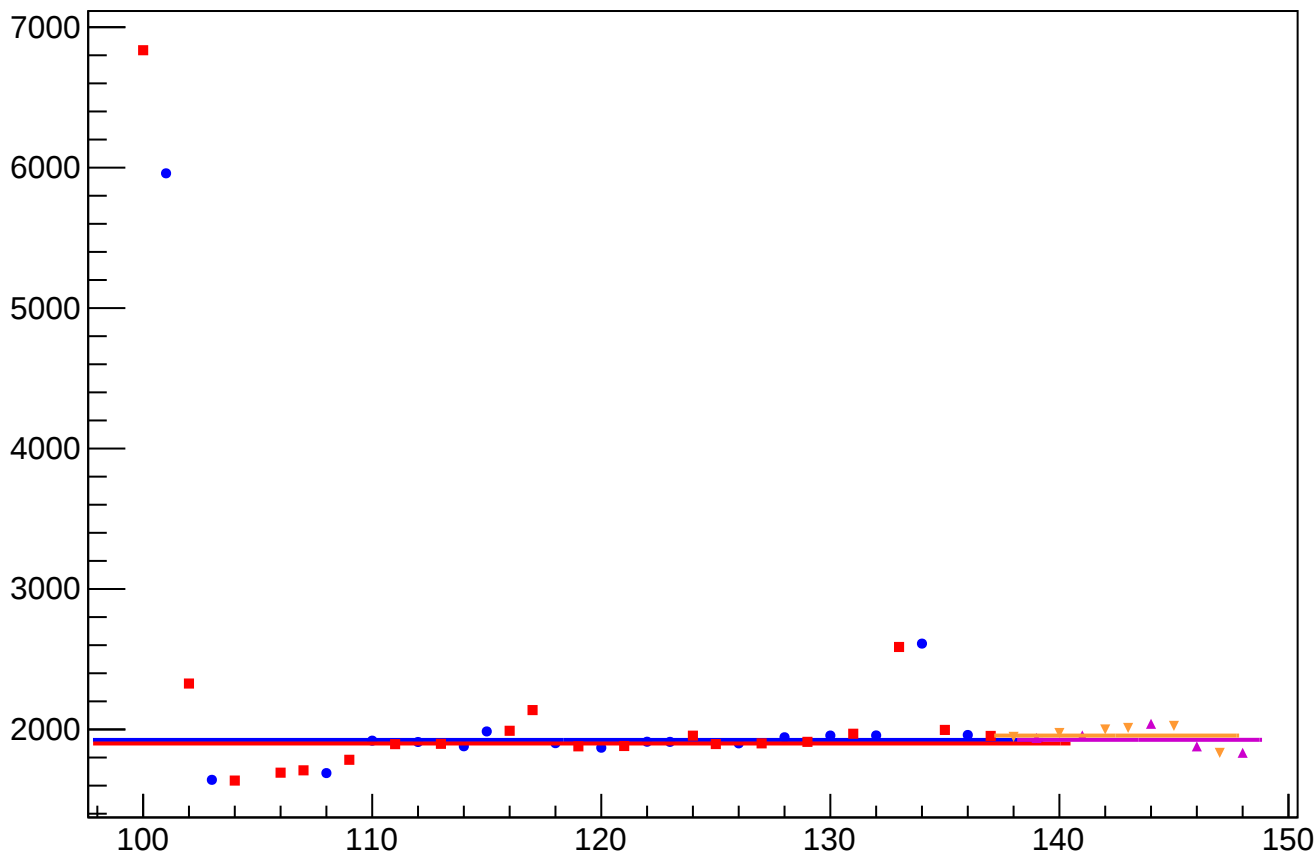
Right Out: -575.663 ± 728.976 $\chi^2/\text{NDF}: 8.7/19$

Left In: -461.212 ± 958.434 $\chi^2/\text{NDF}: 5.2/4$

-370.717 ± 598.116 $\chi^2/\text{NDF}: 20.6/22$

-533.718 ± 580.218 $\chi^2/\text{NDF}: 13.9/24$

reg_asym_atr_dd_rms vs Slug



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

Left Out: 1956.356 ± 0.678 χ^2/NDF : 10370.3/5

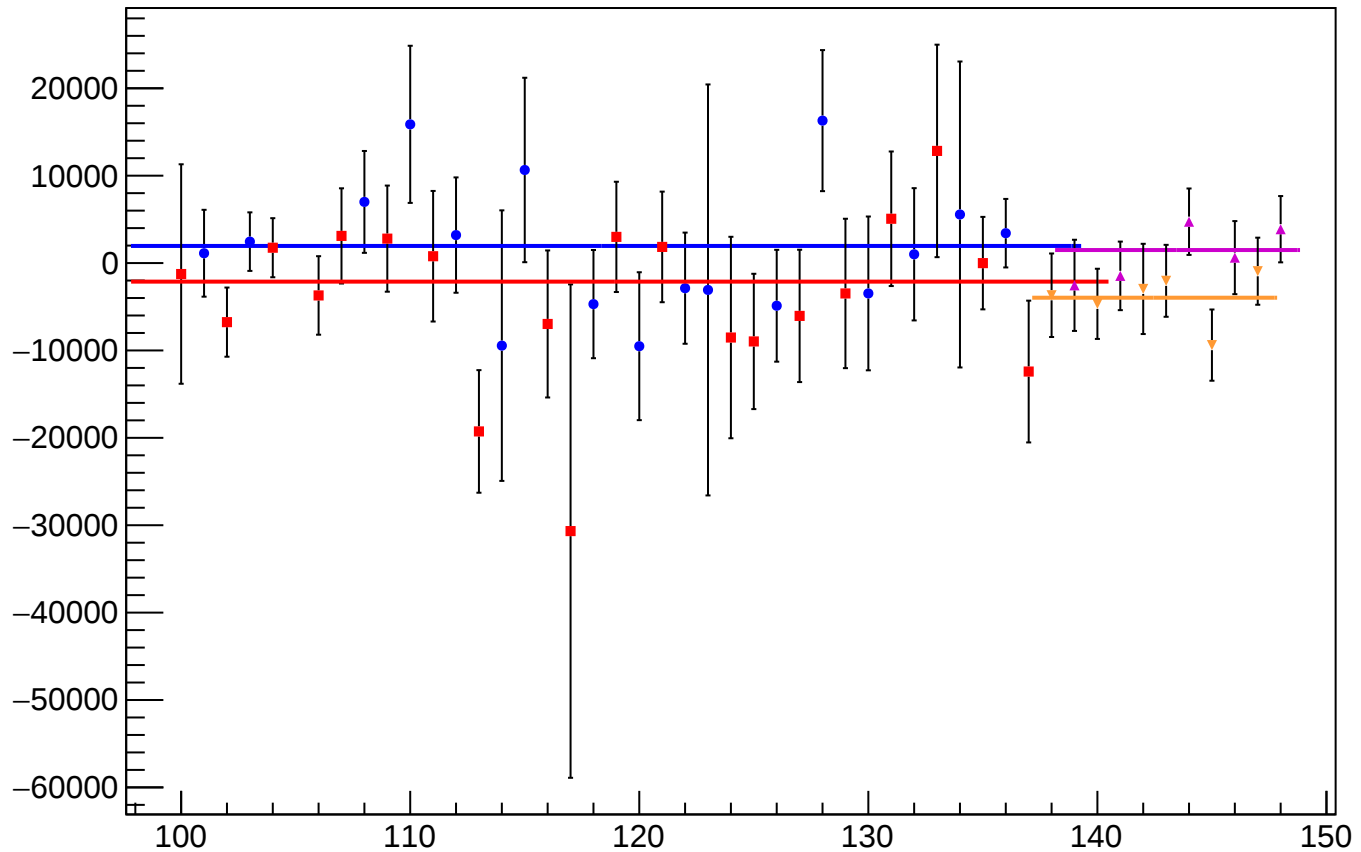
Right Out: 1899.955 ± 0.514 χ^2/NDF : 211865.1/19

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

1937.399 ± 0.423 χ^2/NDF : 627514.1/22

1909.526 ± 0.410 χ^2/NDF : 223743.6/24

asym_atr_dd_correction_mean vs Slug



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

Left Out: -3965.308 ± 1739.729 χ^2/NDF : 2.7/5

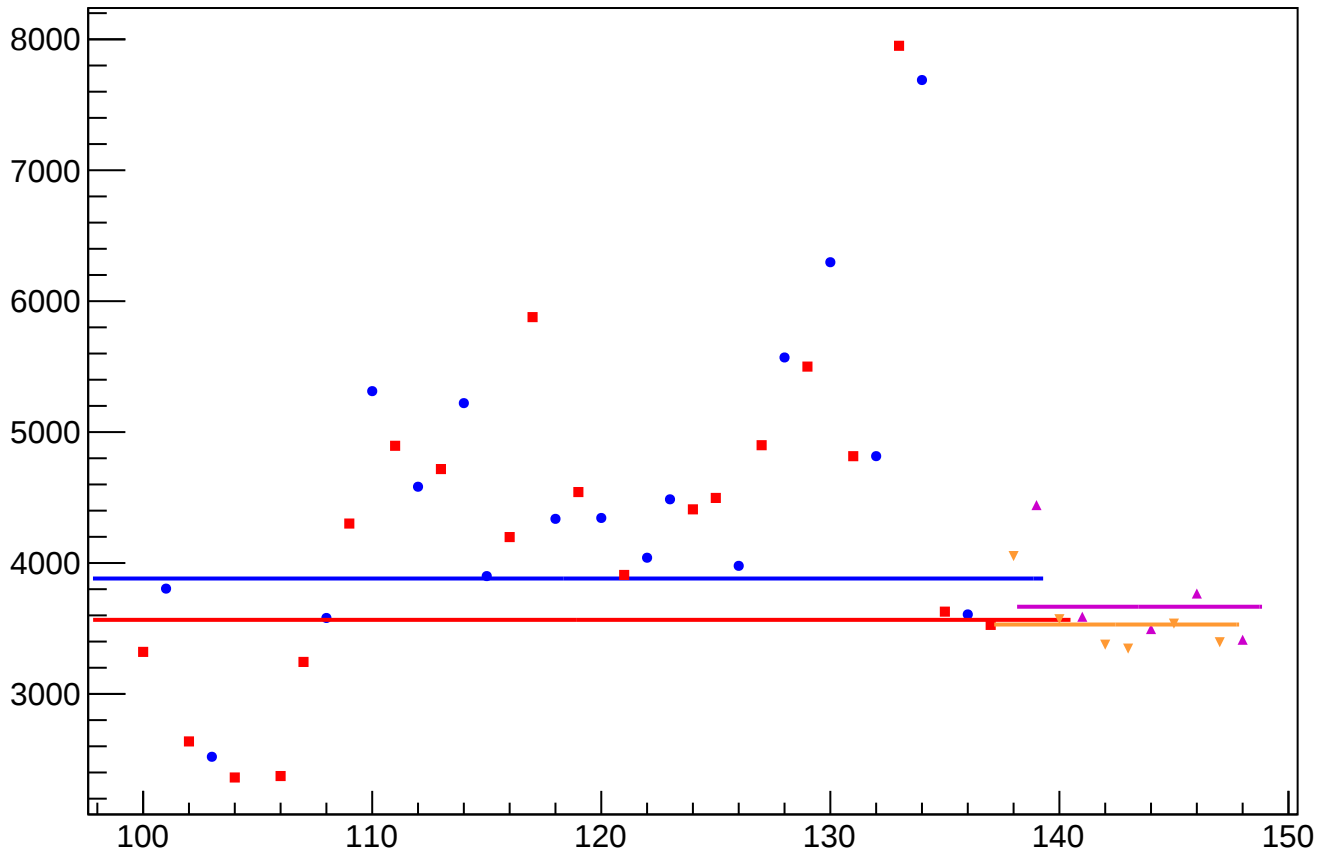
Right Out: -2124.415 ± 1411.872 χ^2/NDF : 18.5/19

Left In: 1490.358 ± 1832.905 χ^2/NDF : 2.3/4

-675.458 ± 1160.142 χ^2/NDF : 22.1/22

-778.304 ± 1118.510 χ^2/NDF : 23.2/24

asym_atr_dd_correction_rms vs Slug



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

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

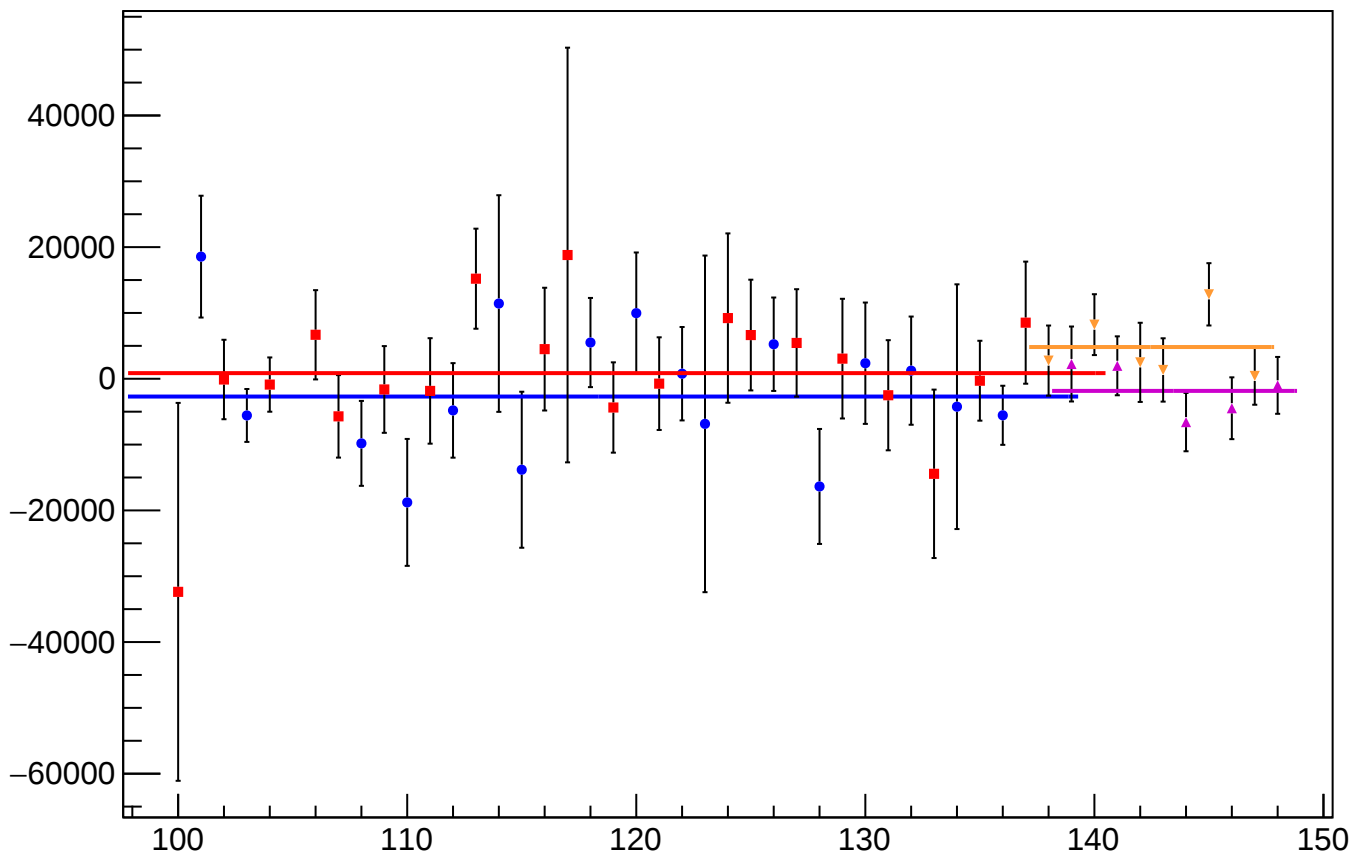
3725.312+/-0.820 χ^2/NDF : 895183.4/22

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

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

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

asym_atr_dd_mean vs Slug



Right In: -2700.702 ± 1809.055 $\chi^2/\text{NDF}: 19.8/16$

Left Out: 4821.809 ± 2001.498 $\chi^2/\text{NDF}: 5.2/5$

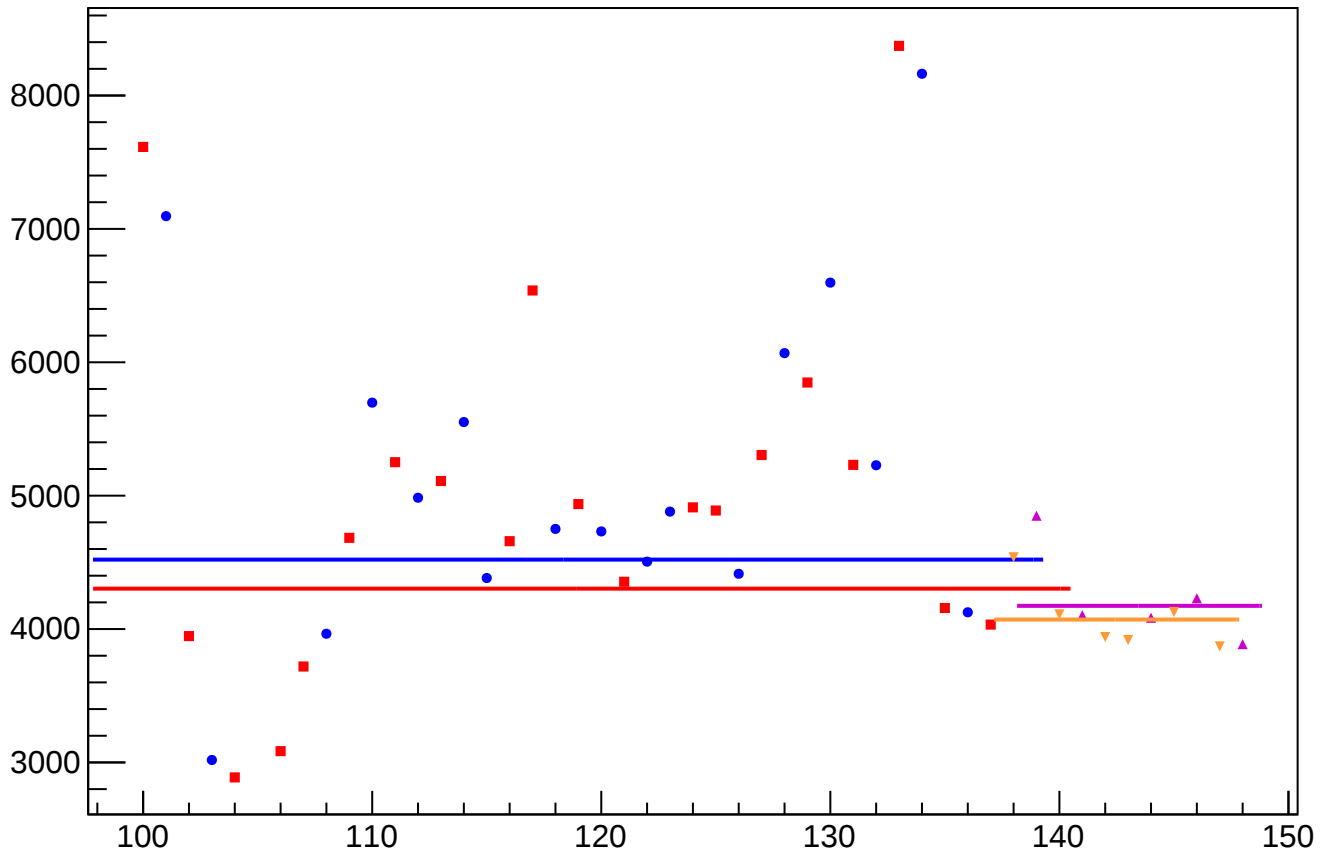
Right Out: 857.617 ± 1687.925 $\chi^2/\text{NDF}: 11.9/19$

Left In: -1842.436 ± 2082.333 $\chi^2/\text{NDF}: 2.7/4$

681.614 ± 1342.087 $\chi^2/\text{NDF}: 32.8/22$

-213.013 ± 1311.245 $\chi^2/\text{NDF}: 15.6/24$

asym_atr_dd_rms vs Slug



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

Left Out: 4071.318+/-1.415 χ^2/NDF : 22973.7/5

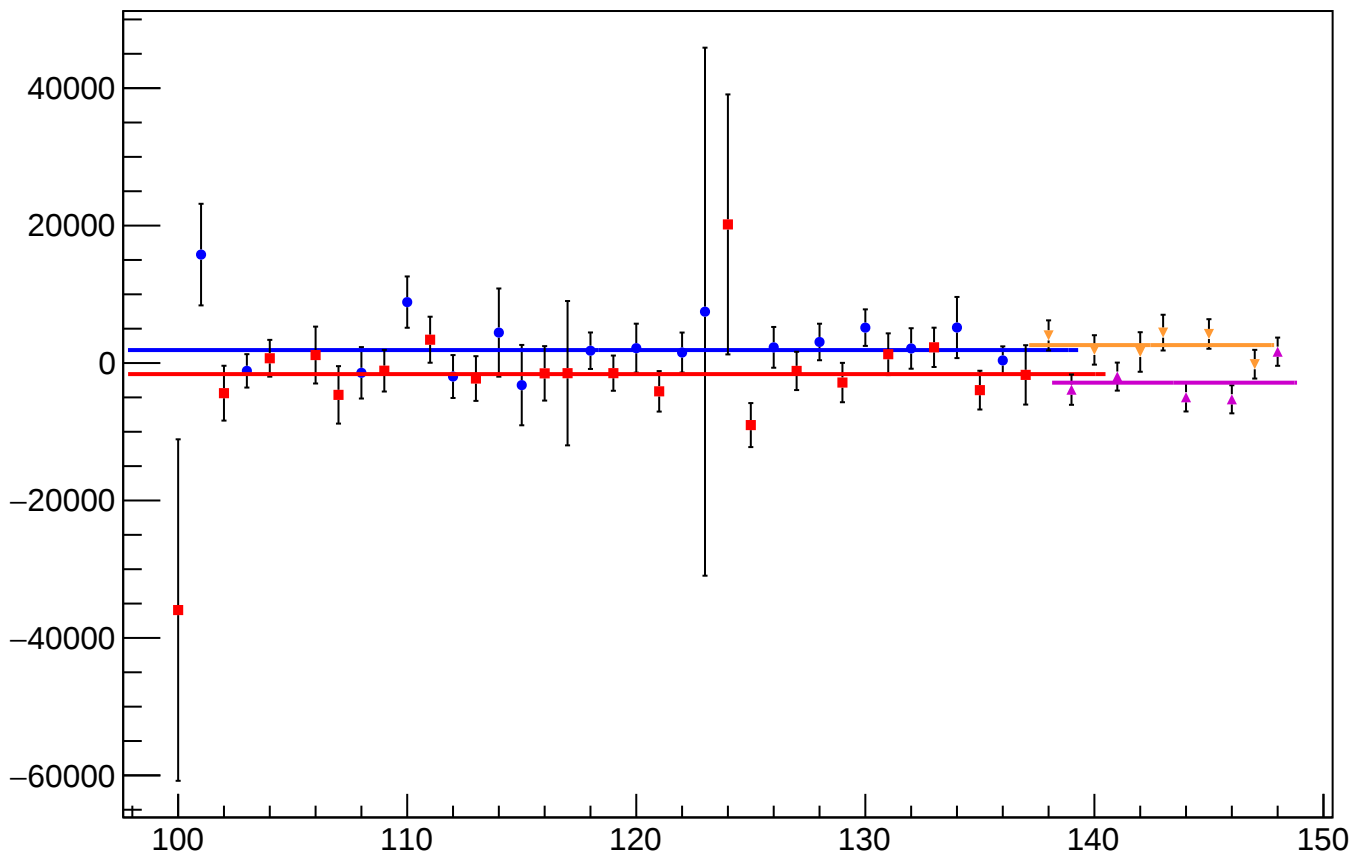
4318.638+/-0.949 χ^2/NDF : 849346.5/22

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

4252.139+/-0.924 χ^2/NDF : 825131.6/24

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

reg_asym_at1_avg_mean vs Slug



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

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

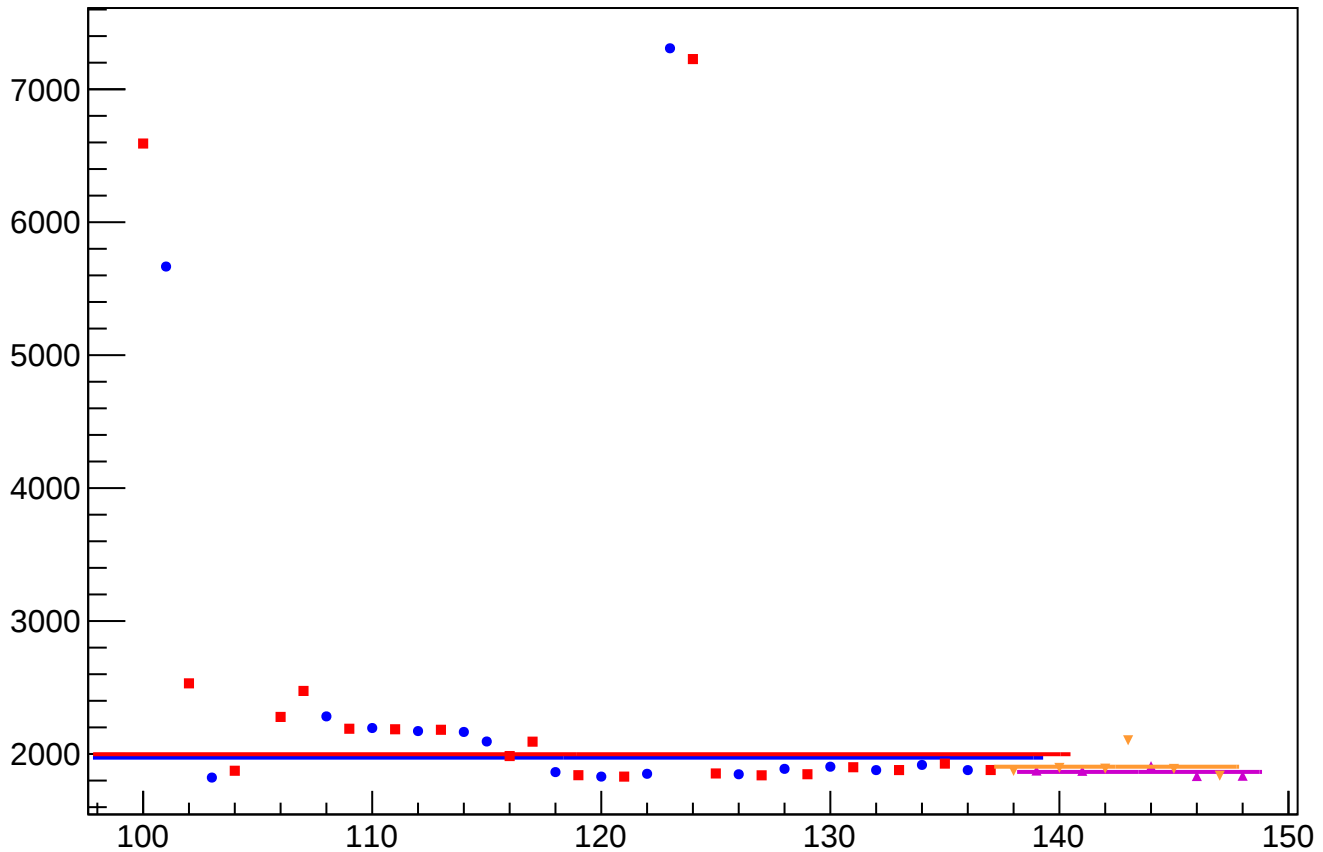
Right Out: -1609.604+/-763.815 χ^2/NDF : 17.5/19

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

2186.213+/-601.002 χ^2/NDF : 18.5/22

-2112.440+/-590.268 χ^2/NDF : 26.2/24

reg_asym_at1_avg_rms vs Slug



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

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

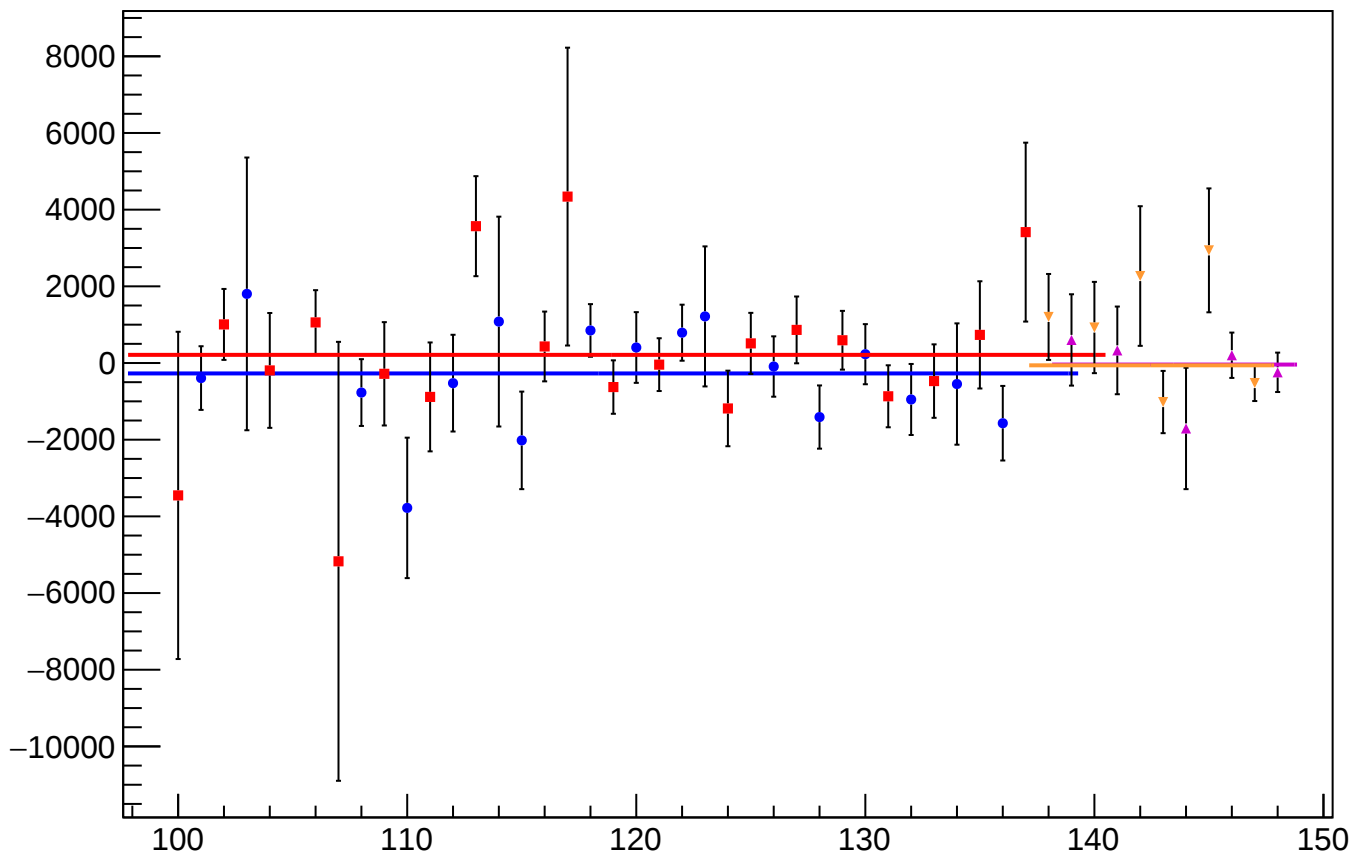
Right Out: 1998.150+/-0.540 χ^2/NDF : 355735.1/19

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

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

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

asym_at1_avg_correction_mean vs Slug



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

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

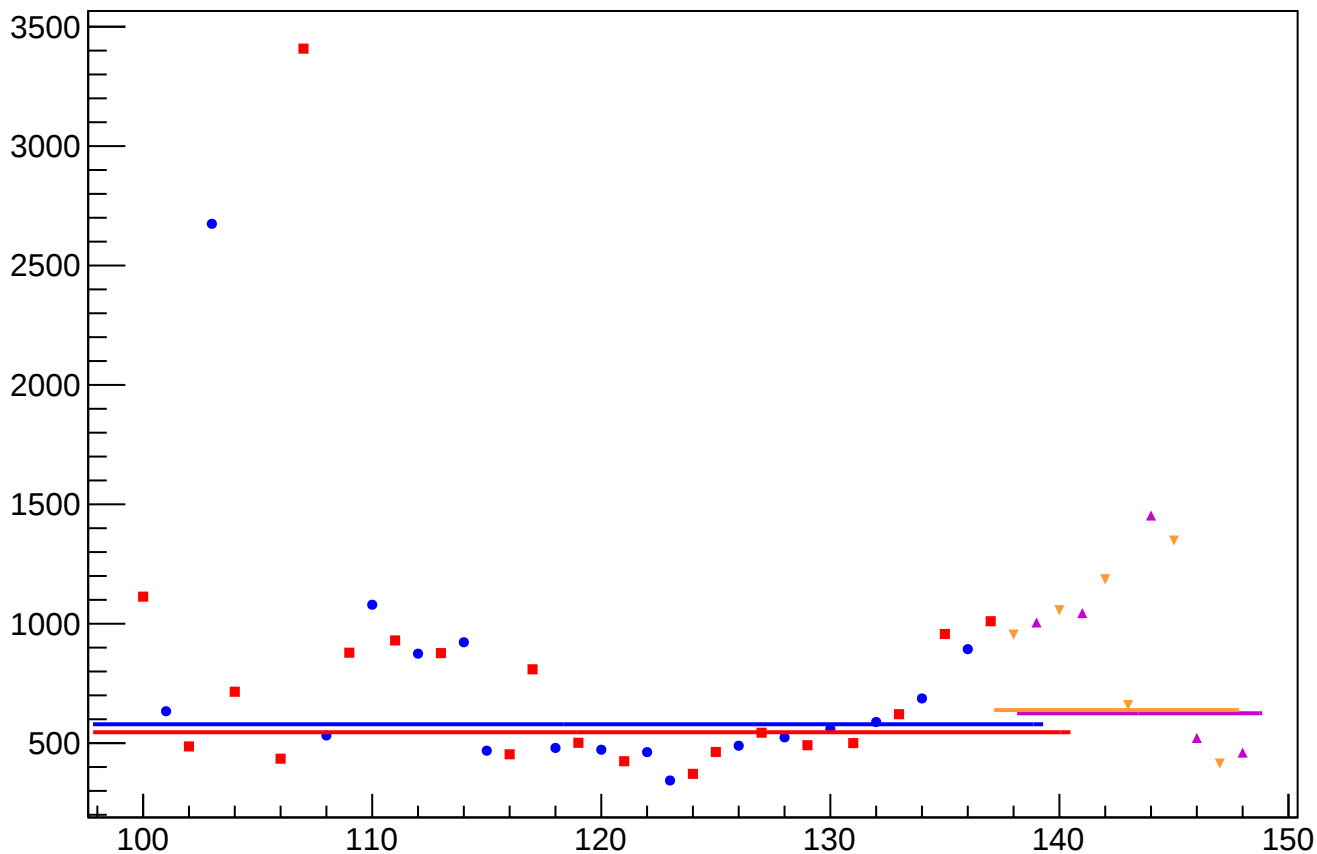
Right Out: 212.774 ± 228.638 χ^2/NDF : 20.9/19

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

-203.573 ± 197.755 χ^2/NDF : 26.9/22

134.751 ± 190.190 χ^2/NDF : 23.1/24

asym_at1_avg_correction_rms vs Slug



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

Left Out: 638.373 ± 0.246 χ^2/NDF : 1428608.1/5

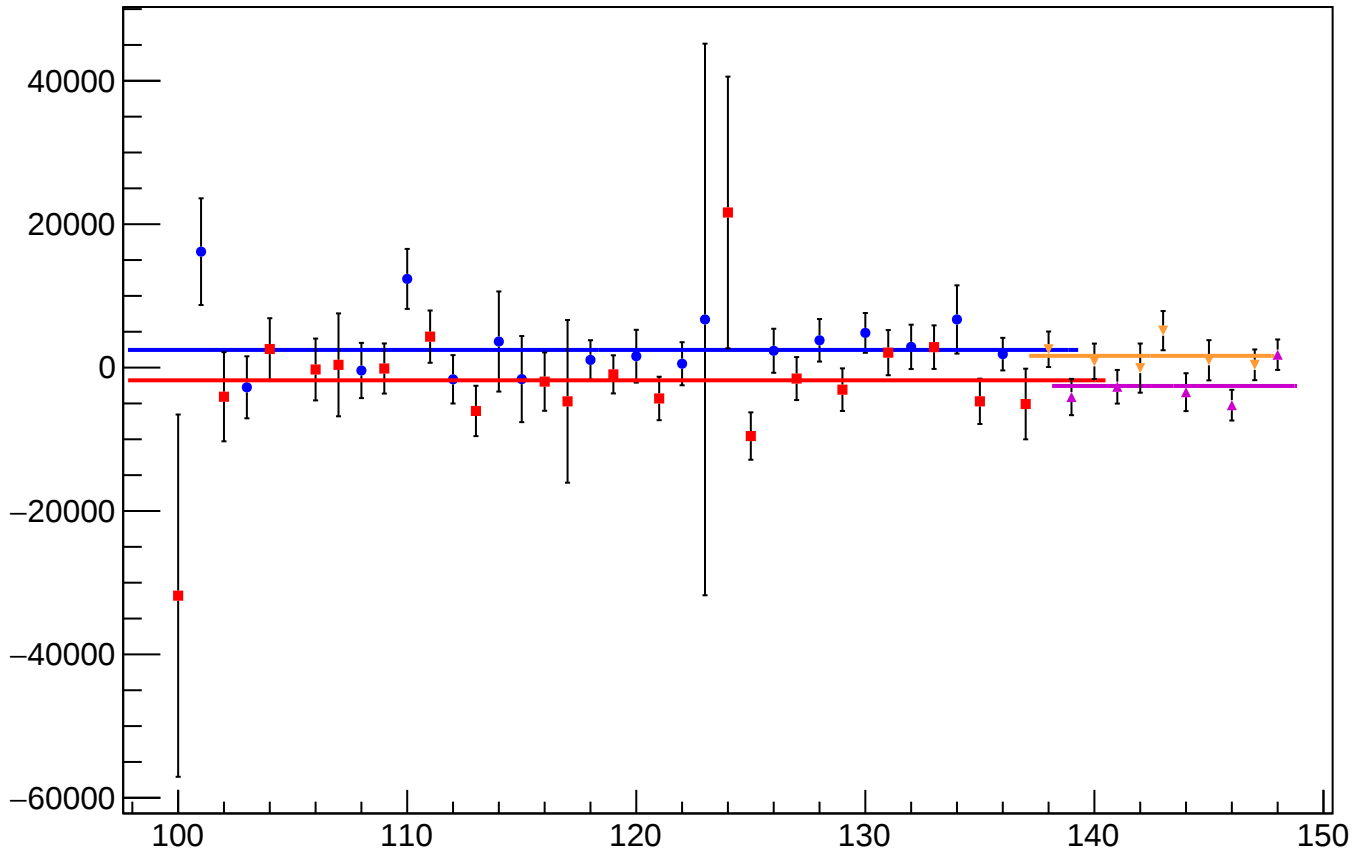
Right Out: 545.590 ± 0.162 χ^2/NDF : 1467038.8/19

Left In: 625.139 ± 0.242 χ^2/NDF : 1286383.2/4

598.141 ± 0.140 χ^2/NDF : 2890118.8/22

570.095 ± 0.134 χ^2/NDF : 2828000.4/24

asym_at1_avg_mean vs Slug



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

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

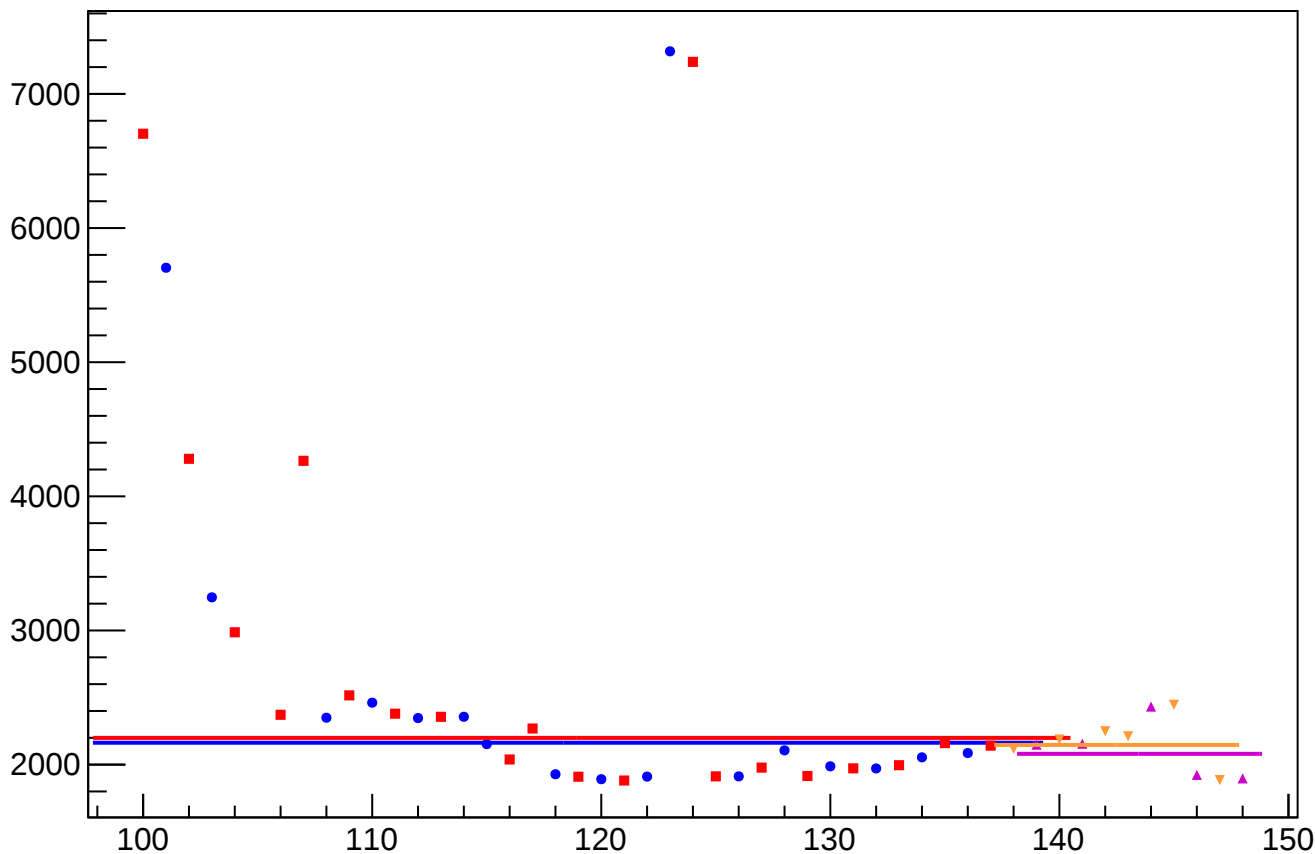
Right Out: -1773.396+/-850.889 χ^2/NDF : 20.5/19

Left In: -2561.975+/-1041.732 χ^2/NDF : 6.3/4

2134.427+/-669.174 χ^2/NDF : 18.4/22

-2088.969+/-658.997 χ^2/NDF : 27.2/24

asym_at1_avg_rms vs Slug



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

Left Out: 2146.973+/-0.749 χ^2/NDF : 56387.3/5

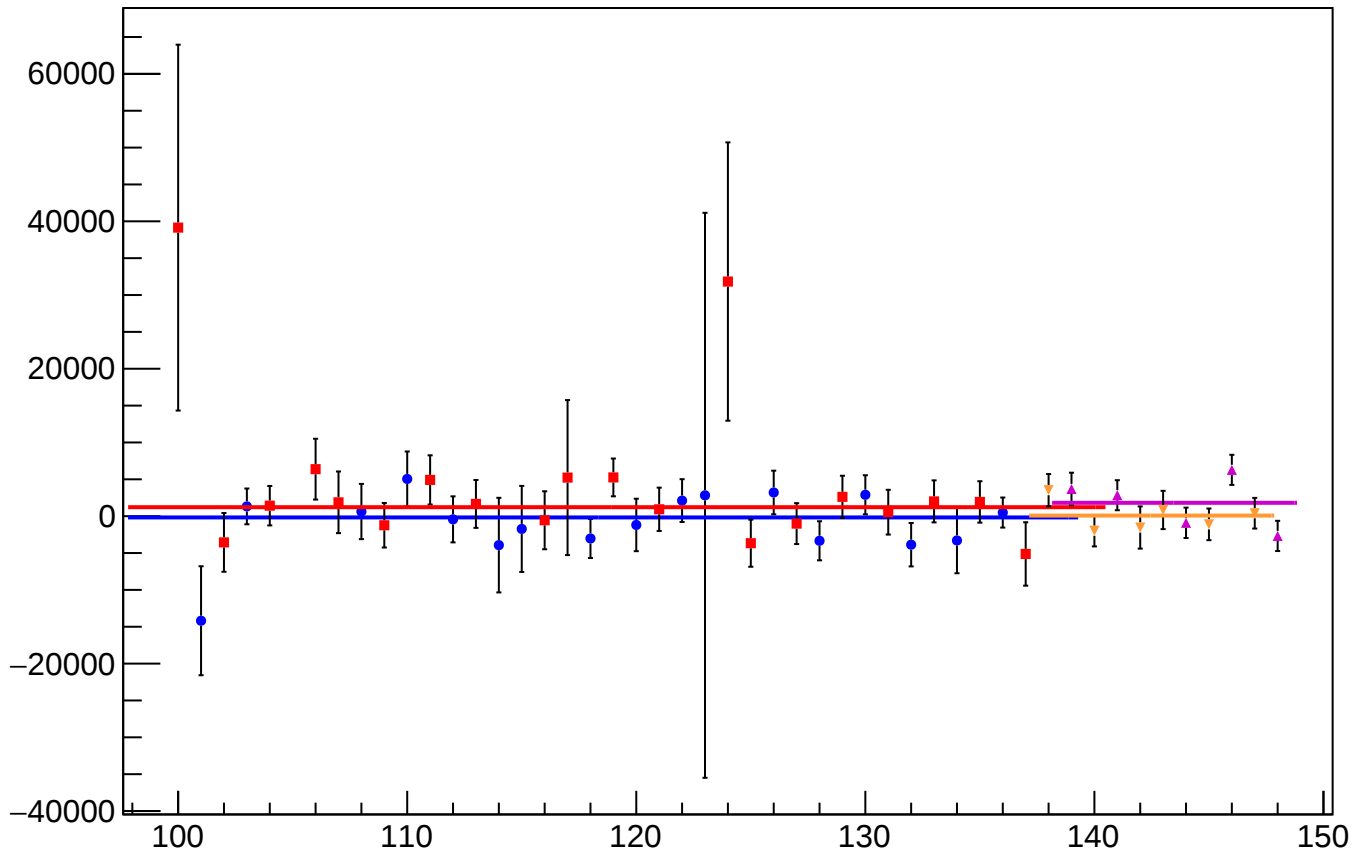
Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

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

2156.787+/-0.473 χ^2/NDF : 766257.3/22

2151.813+/-0.466 χ^2/NDF : 883775.3/24

reg_asym_at1_dd_mean vs Slug



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

Left Out: 81.397 ± 933.682 χ^2/NDF : 4.1/5

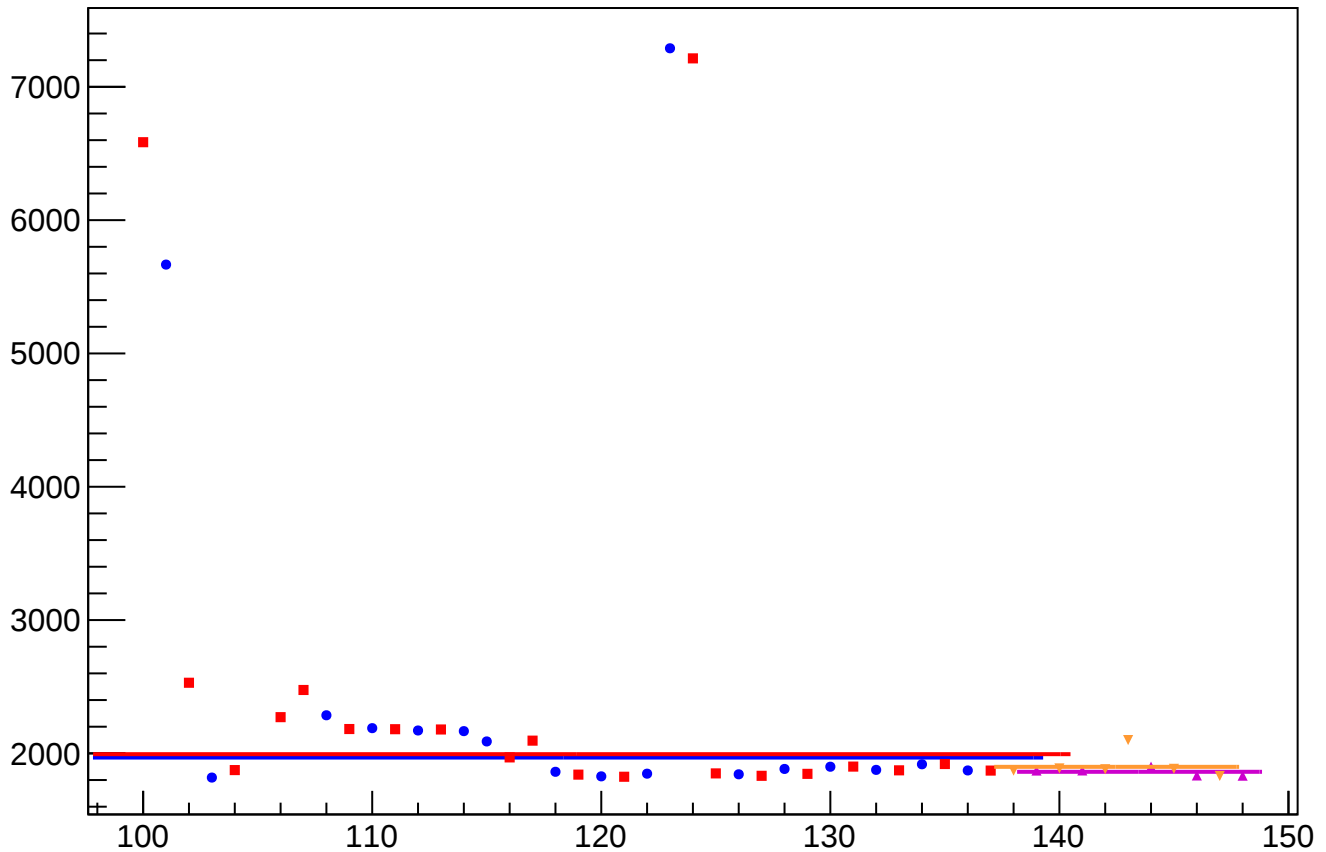
Right Out: 1218.753 ± 762.243 χ^2/NDF : 18.3/19

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

-66.501 ± 599.679 χ^2/NDF : 18.7/22

1458.190 ± 589.106 χ^2/NDF : 30.9/24

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632+/-0.553 χ^2/NDF : 602972.8/16

Left Out: 1898.964+/-0.660 χ^2/NDF :14707.1/5

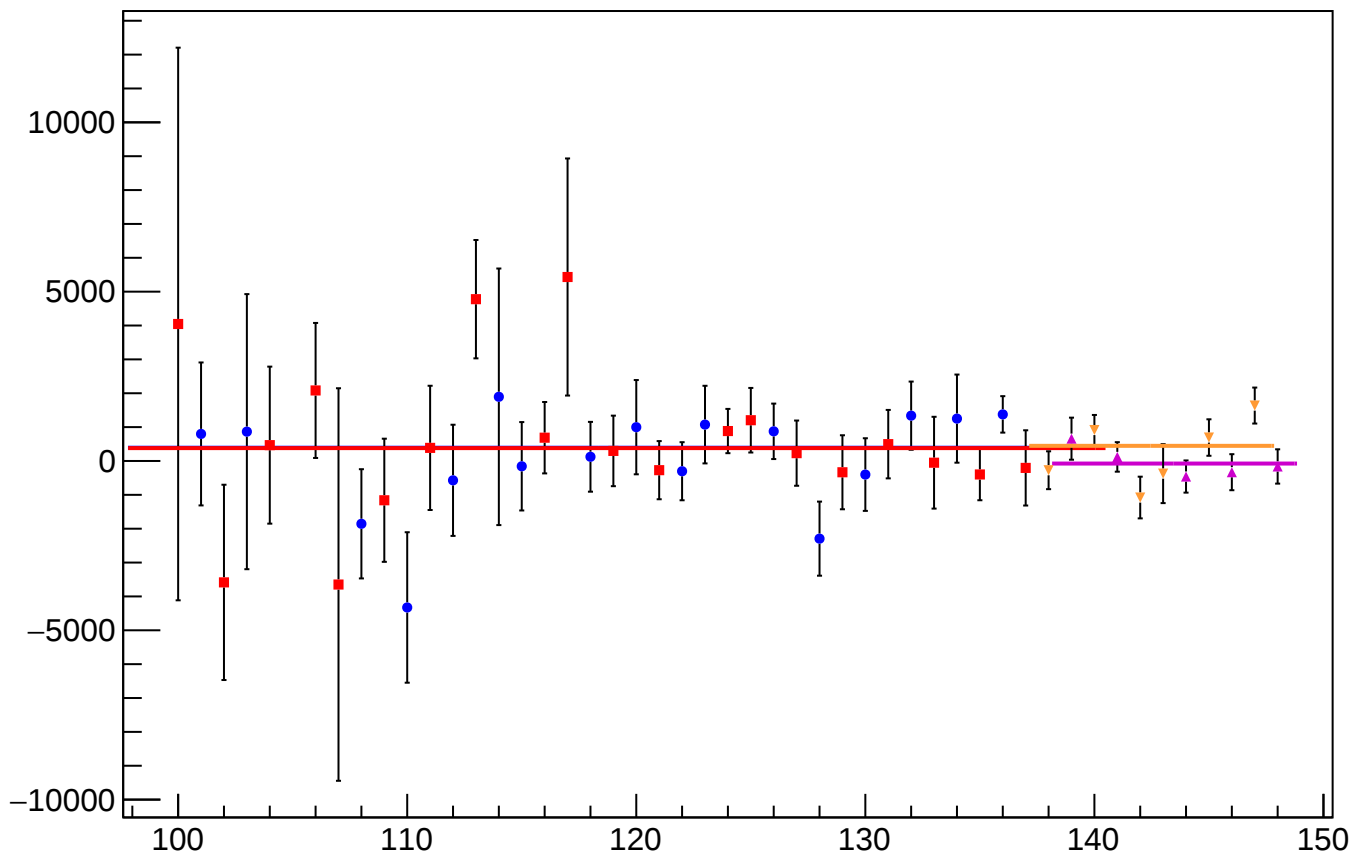
Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

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

1939.893+/-0.424 χ^2/NDF : 624221.8/22

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

asym_at1_dd_correction_mean vs Slug



Right In: 390.923+/-270.128 χ^2/NDF : 20.0/16

Left Out: 447.071+/-228.282 χ^2/NDF : 15.0/5

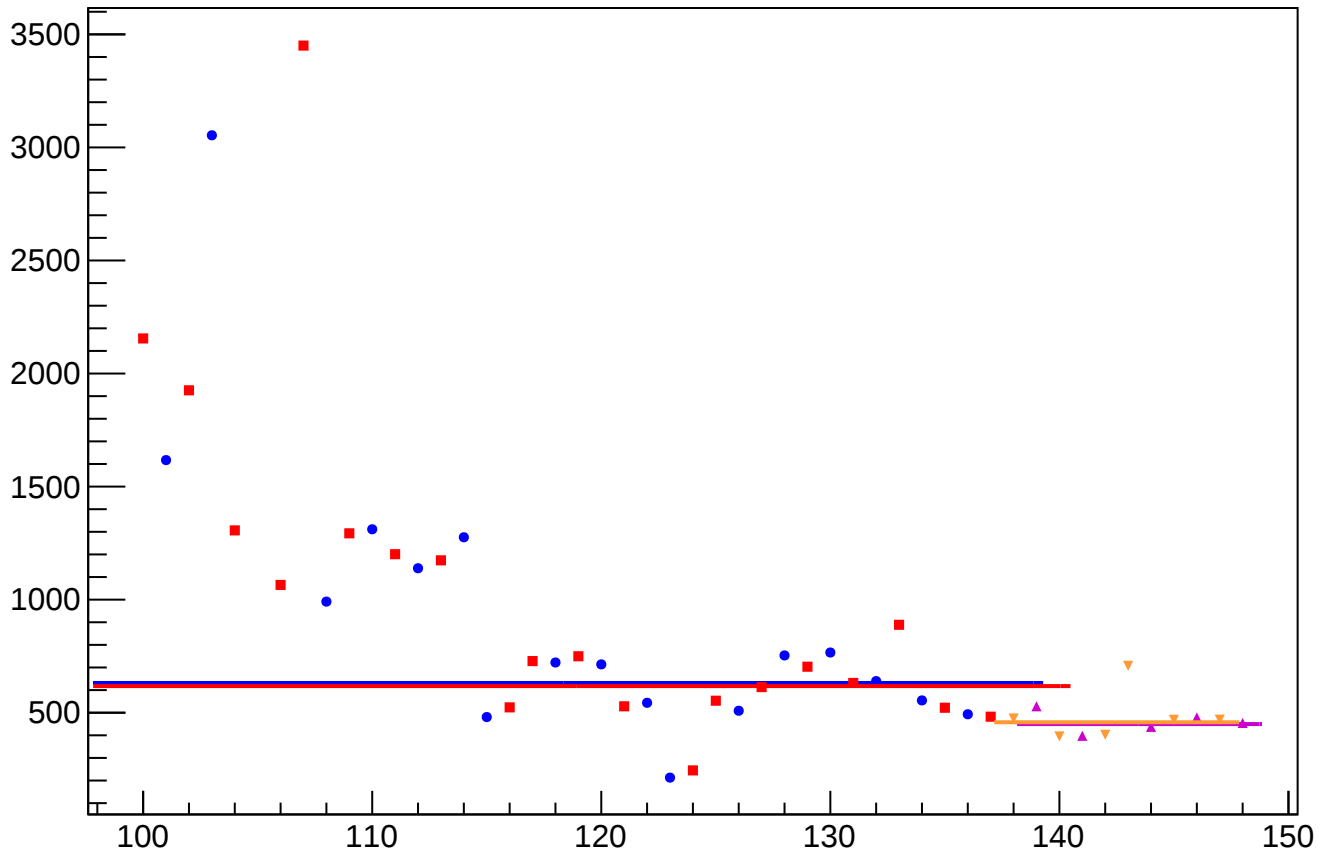
Right Out: 379.833+/-265.331 χ^2/NDF : 16.3/19

Left In: -76.100+/-225.207 χ^2/NDF : 2.5/4

423.678+/-174.359 χ^2/NDF : 35.1/22

114.820+/-171.698 χ^2/NDF : 20.6/24

asym_at1_dd_correction_rms vs Slug



Right In: 631.430+/-0.191 χ^2/NDF : 2260692.7/16

Left Out: 457.723+/-0.161 χ^2/NDF : 223582.3/5

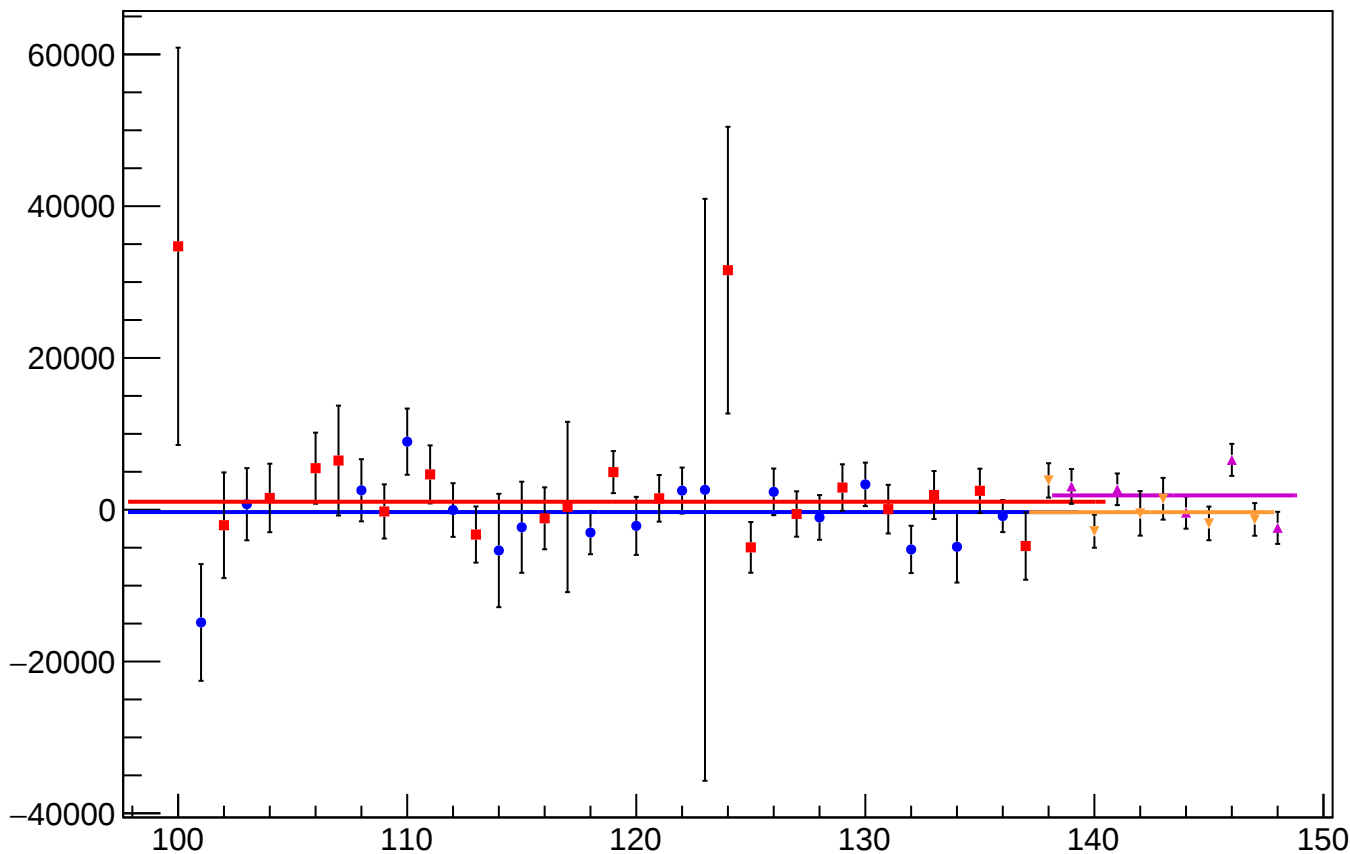
Right Out: 617.675+/-0.188 χ^2/NDF : 2804158.4/19

Left In: 449.704+/-0.159 χ^2/NDF : 68052.4/4

530.094+/-0.123 χ^2/NDF : 2966742.8/22

520.041+/-0.121 χ^2/NDF : 3338101.9/24

asym_at1_dd_mean vs Slug



Right In: -305.713+/-871.922 χ^2/NDF : 17.2/16

Left Out: -321.800+/-965.255 χ^2/NDF : 5.8/5

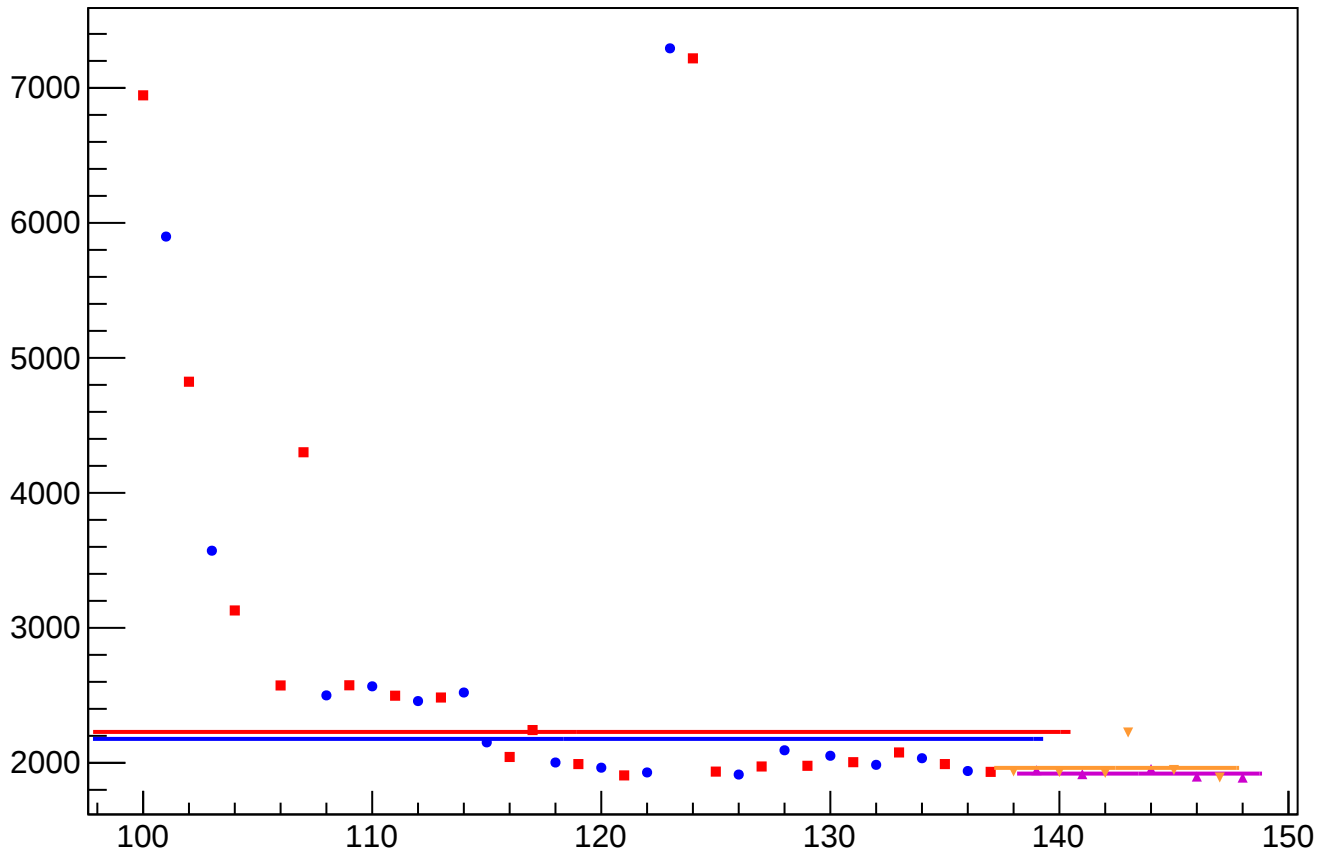
Right Out: 1052.718+/-864.863 χ^2/NDF : 16.6/19

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

-312.941+/-647.029 χ^2/NDF : 22.9/22

1428.460+/-641.794 χ^2/NDF : 27.6/24

asym_at1_dd_rms vs Slug



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

Left Out: 1962.738+/-0.683 χ^2/NDF :21452.4/5

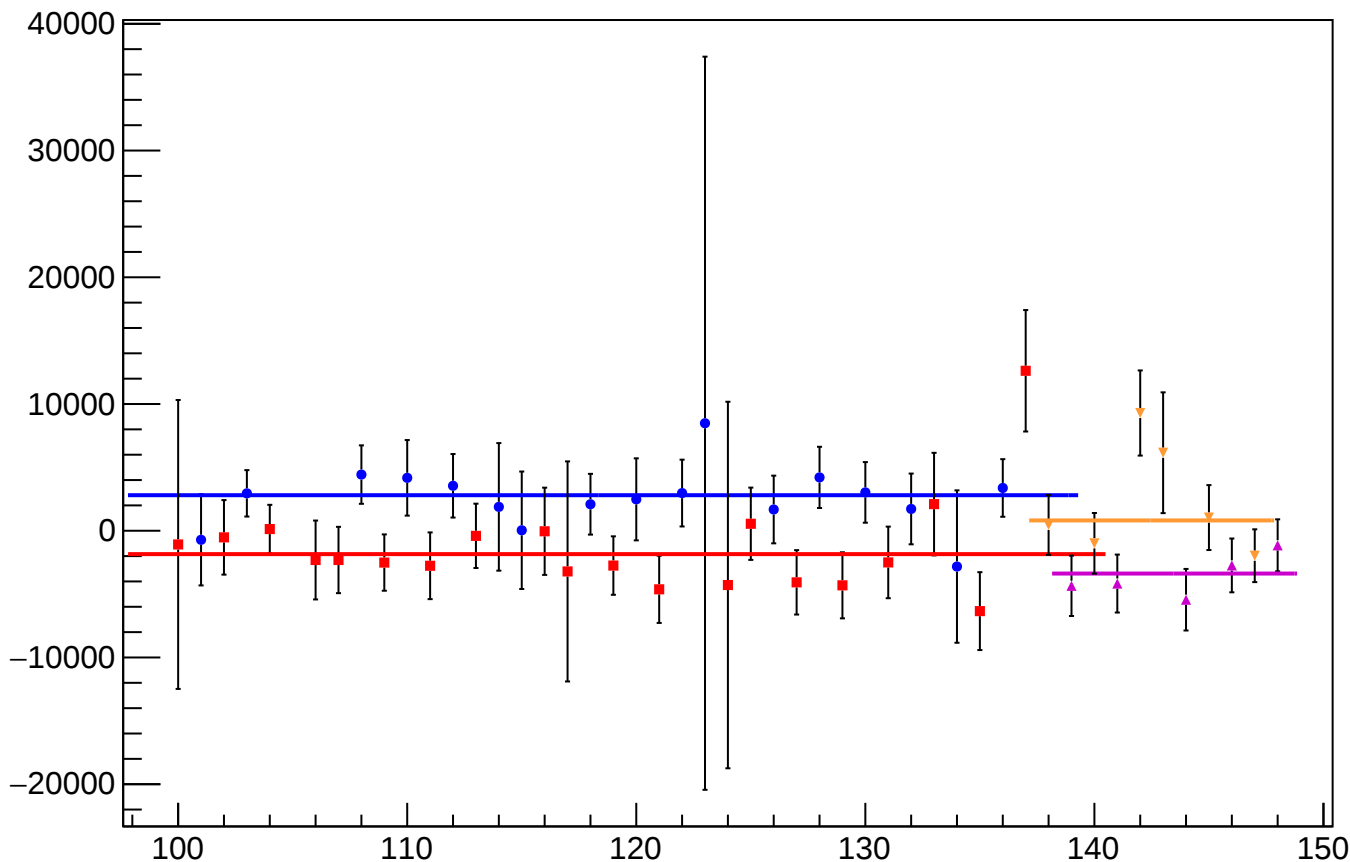
Right Out: 2229.096+/-0.612 χ^2/NDF : 895812.2/19

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

2080.972+/-0.458 χ^2/NDF : 878781.5/22

2090.373+/-0.454 χ^2/NDF : 1011707.9/24

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: 814.725 $\pm$ 1072.517 χ^2 /NDF: 10.0/5

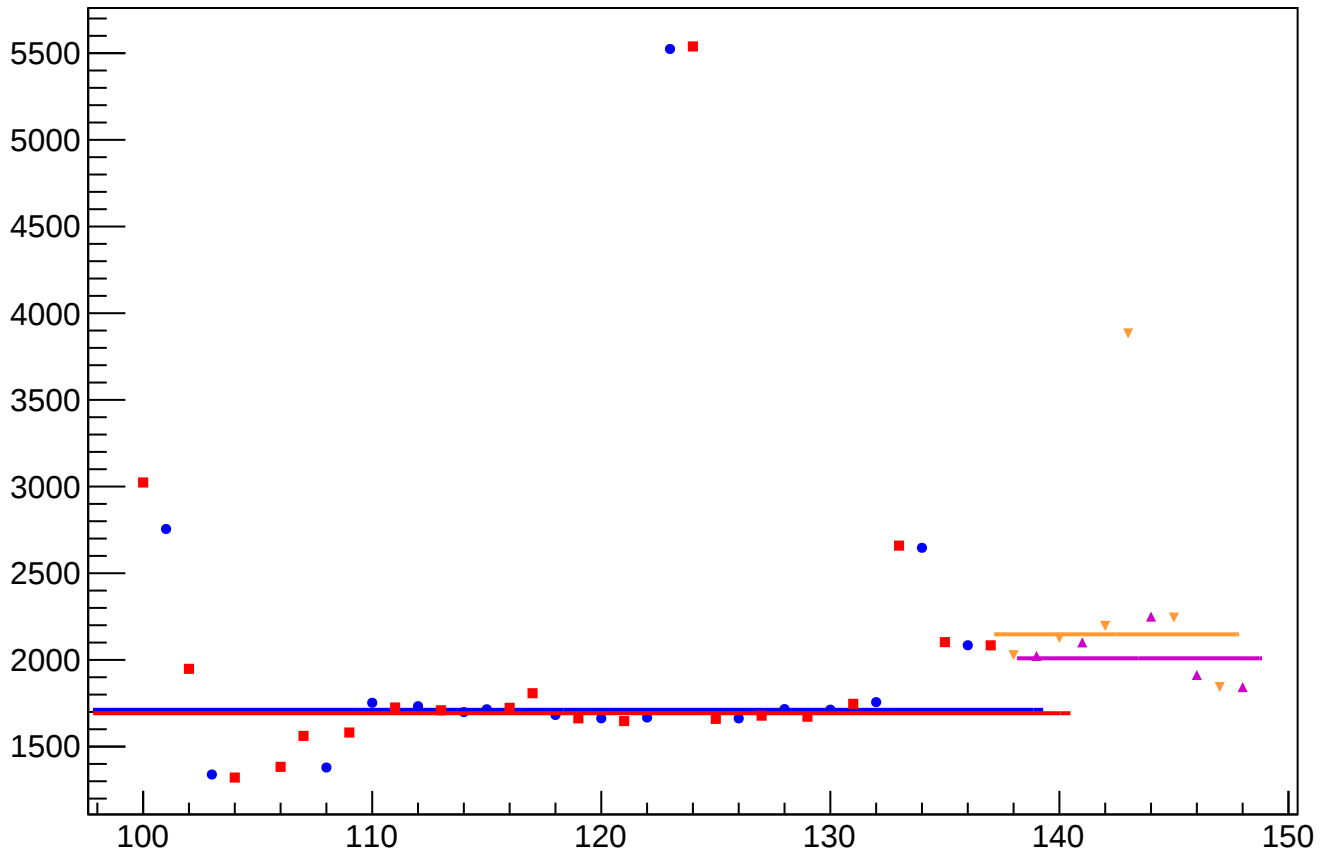
Right Out: -1844.945 $\pm$ 653.448 χ^2 /NDF: 18.1/19

Left In: -3377.284 $\pm$ 1001.455 χ^2 /NDF: 2.3/4

2235.302 $\pm$ 573.423 χ^2 /NDF: 16.4/22

-2302.528 $\pm$ 547.254 χ^2 /NDF: 22.0/24

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 2147.601+/-0.758 χ^2/NDF : 316617.2/5

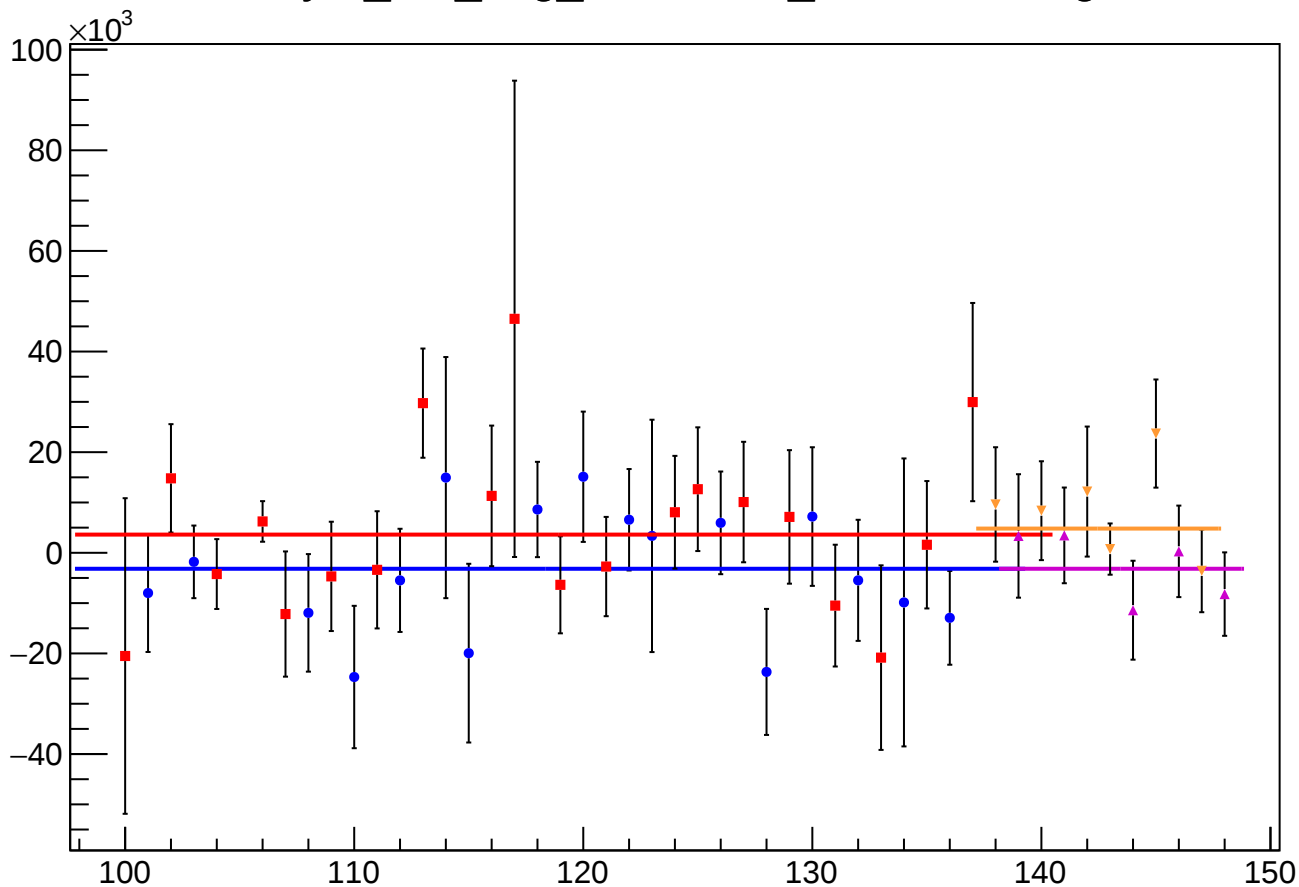
Right Out: 1692.404+/-0.462 χ^2/NDF : 455277.5/19

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

1836.627+/-0.405 χ^2/NDF : 984536.1/22

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

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 ± 2851.982 $\chi^2/\text{NDF}: 14.4/16$

Left Out: 4815.390 ± 3408.007 $\chi^2/\text{NDF}: 5.4/5$

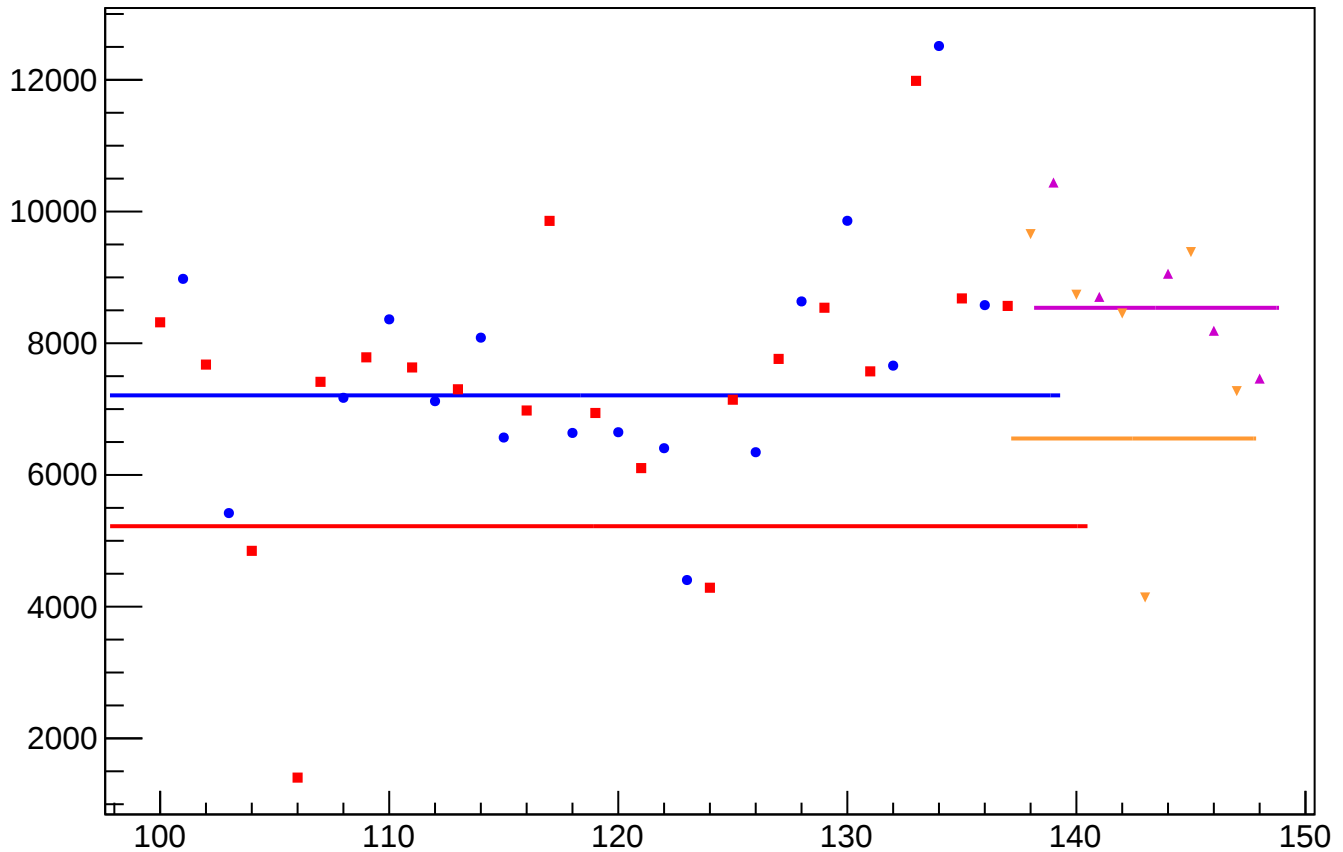
Right Out: 3618.416 ± 2263.938 $\chi^2/\text{NDF}: 20.3/19$

Left In: -3170.875 ± 4276.429 $\chi^2/\text{NDF}: 2.0/4$

117.059 ± 2187.168 $\chi^2/\text{NDF}: 23.0/22$

2132.167 ± 2000.852 $\chi^2/\text{NDF}: 24.3/24$

asym_at2_avg_correction_rms vs Slug



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

Left Out: 6553.649+/-2.410 χ^2/NDF : 894441.0/5

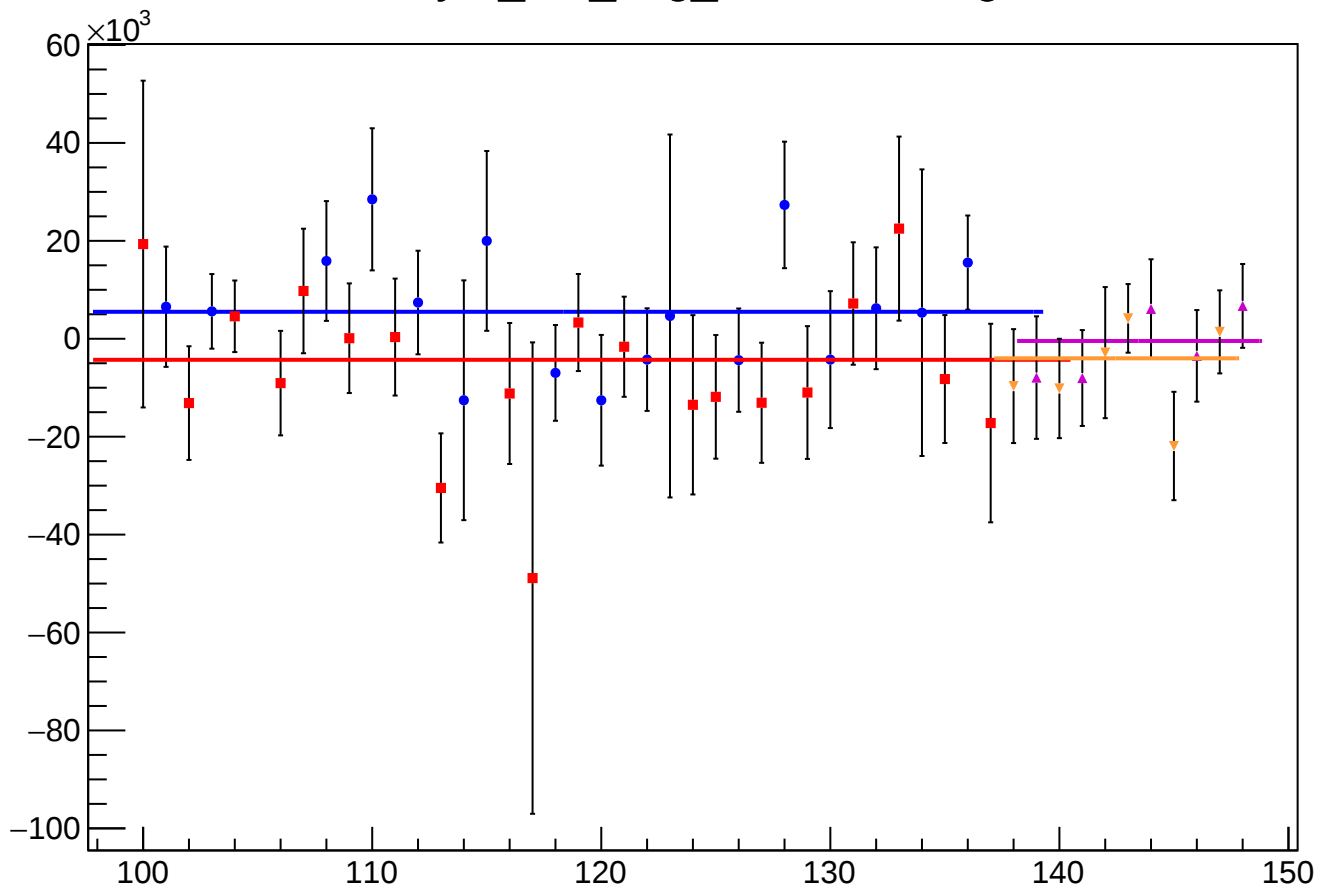
Right Out: 5221.816+/-1.601 χ^2/NDF : 3216100.5/19

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

6938.824+/-1.547 χ^2/NDF : 1407181.5/22

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

asym_at2_avg_mean vs Slug



Right In: 5509.395 ± 2971.033 χ^2/NDF : 14.1/16

Left Out: -3995.708 ± 3919.050 χ^2/NDF : 5.0/5

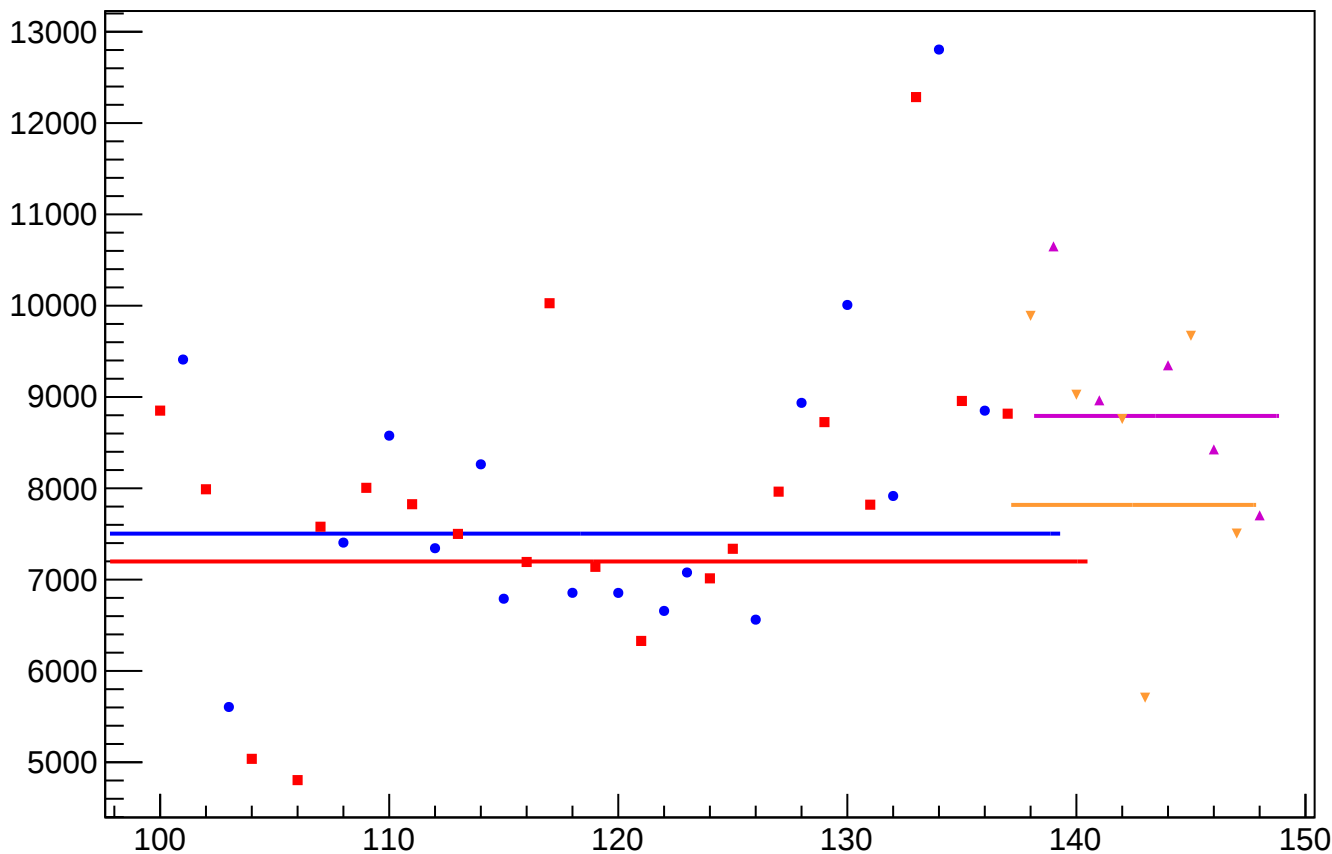
Right Out: -4295.824 ± 2785.538 χ^2/NDF : 16.3/19

Left In: -452.646 ± 4401.389 χ^2/NDF : 2.2/4

2040.365 ± 2367.589 χ^2/NDF : 22.8/22

-3196.727 ± 2353.761 χ^2/NDF : 19.0/24

asym_at2_avg_rms vs Slug



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

Left Out: 7818.291 $\pm$ 2.771 χ^2 /NDF:341838.6/5

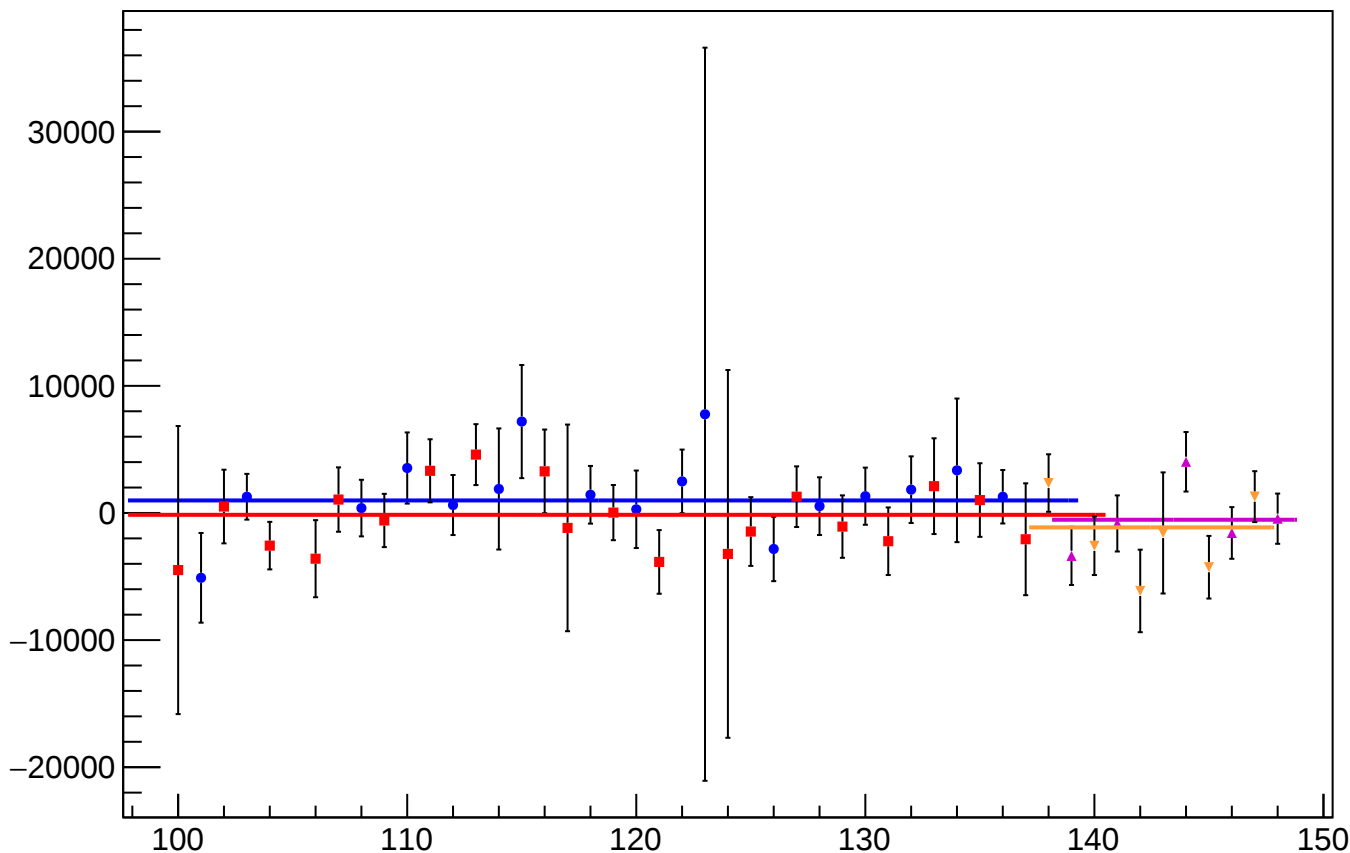
Right Out: 7198.728 $\pm$ 1.969 χ^2 /NDF: 564629.1/19

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

7618.490 $\pm$ 1.674 χ^2 /NDF: 777337.8/22

7654.502 $\pm$ 1.664 χ^2 /NDF: 837991.2/24

reg_asym_at2_dd_mean vs Slug



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

Left Out: -1133.234 ± 1032.654 χ^2/NDF : 8.2/5

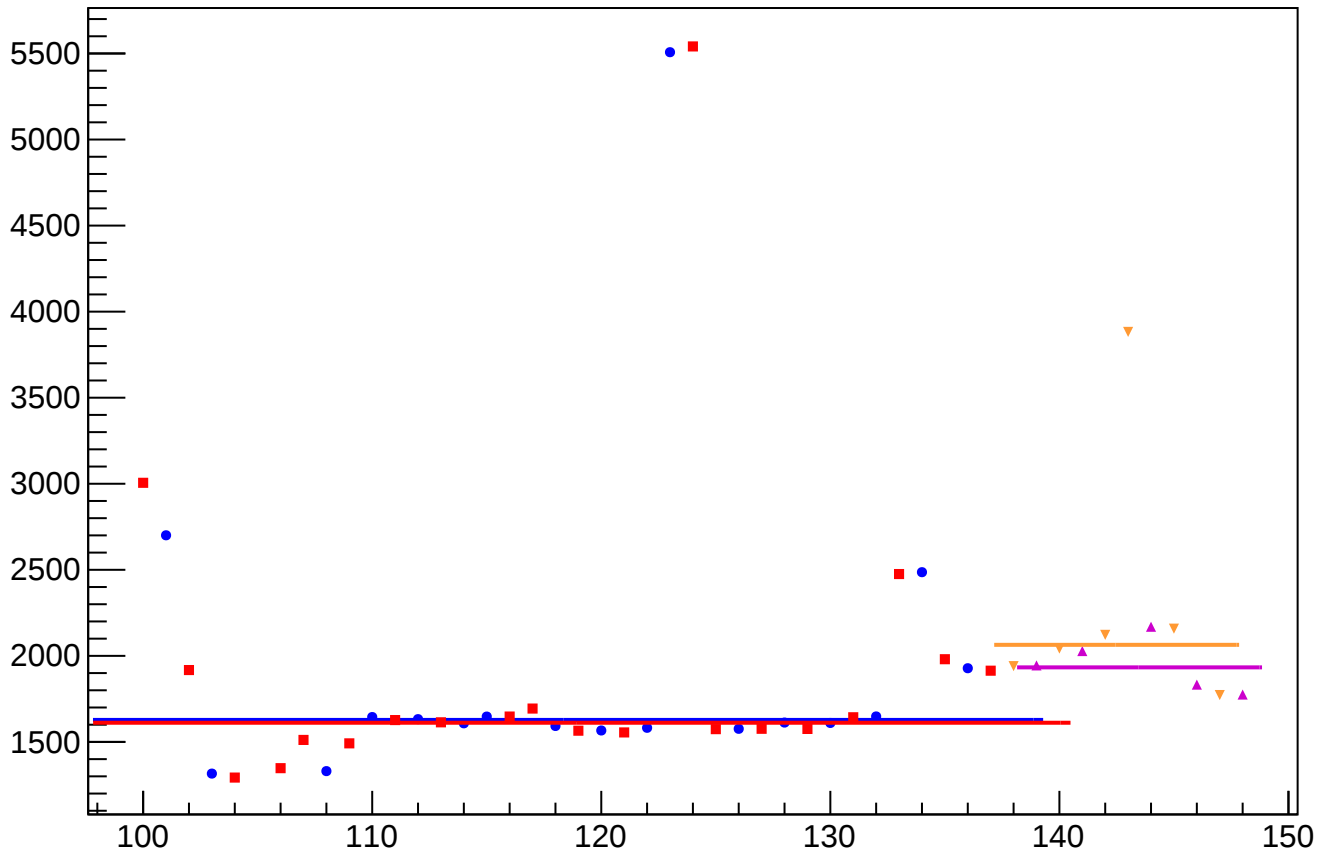
Right Out: -144.683 ± 621.728 χ^2/NDF : 14.7/19

Left In: -533.863 ± 963.595 χ^2/NDF : 5.6/4

391.349 ± 546.830 χ^2/NDF : 20.3/22

-259.077 ± 522.423 χ^2/NDF : 20.4/24

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836 ± 0.456 χ^2/NDF : 407106.6/16

Left Out: 2064.095 ± 0.730 χ^2/NDF : 343486.2/5

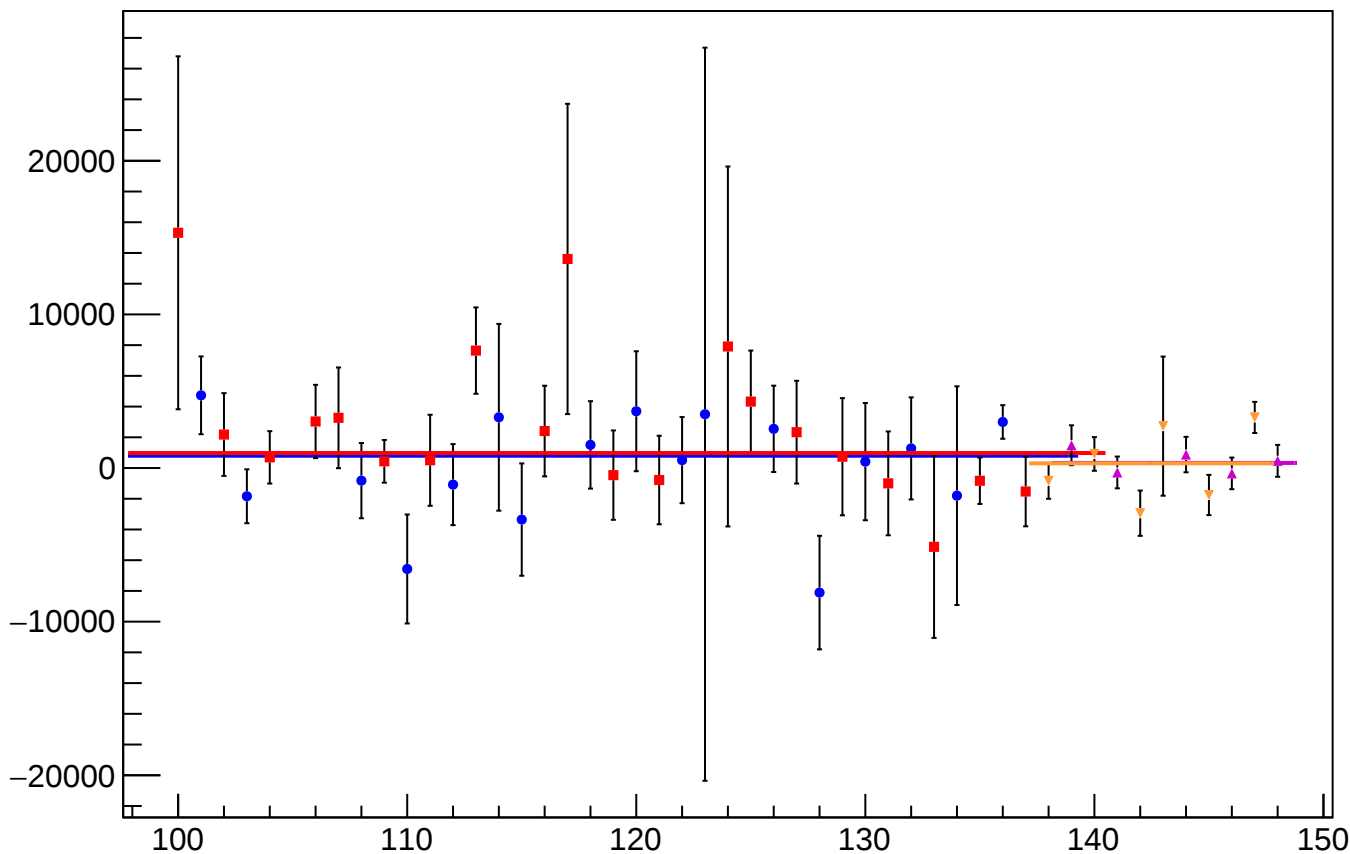
Right Out: 1611.433 ± 0.440 χ^2/NDF : 434167.6/19

Left In: 1933.144 ± 0.681 χ^2/NDF : 41708.5/4

1750.168 ± 0.387 χ^2/NDF : 1007451.2/22

1705.996 ± 0.369 χ^2/NDF : 633279.8/24

asym_at2_dd_correction_mean vs Slug



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

Left Out: 305.235 $\pm$ 524.567 χ^2 /NDF: 17.6/5

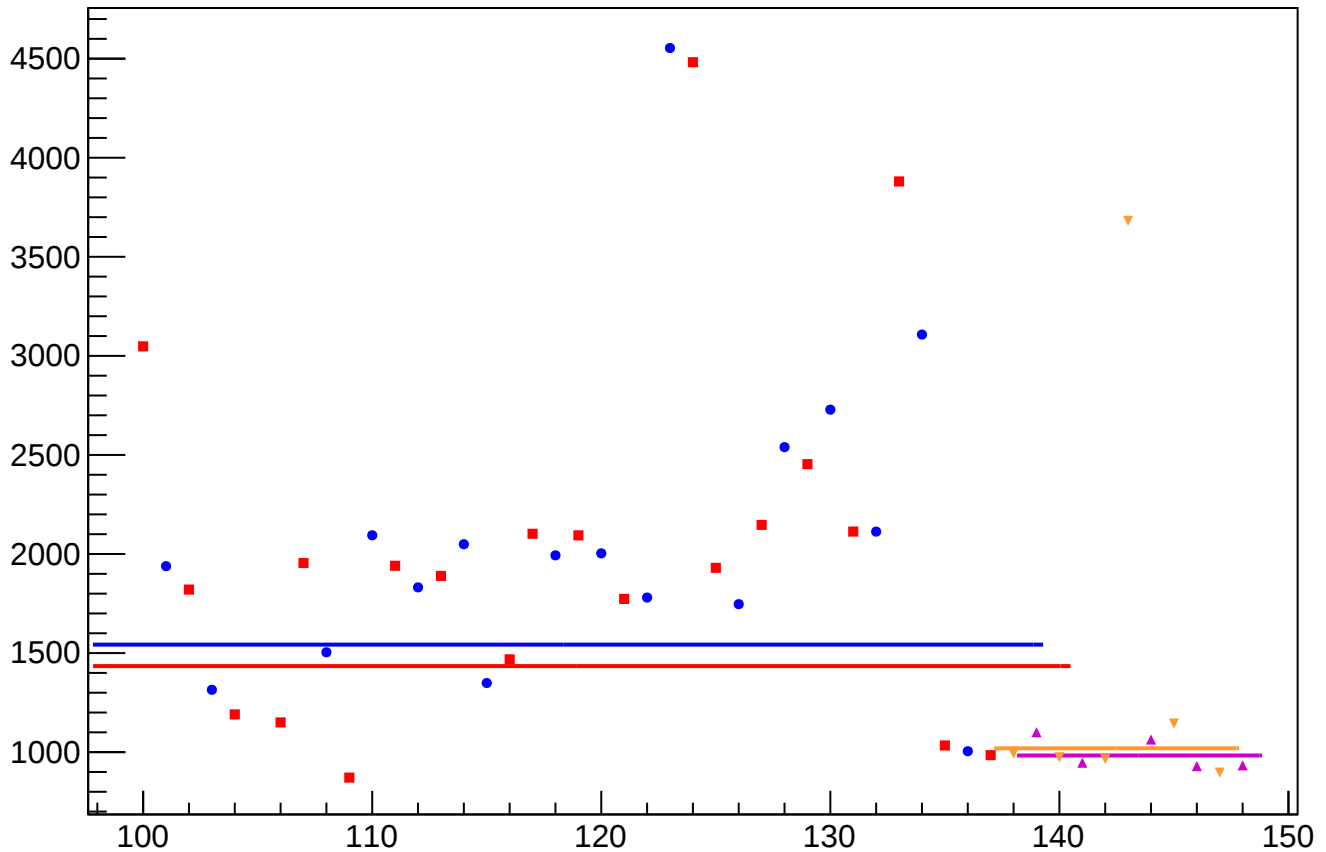
Right Out: 976.725 $\pm$ 588.724 χ^2 /NDF: 16.8/19

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

508.419 $\pm$ 403.558 χ^2 /NDF: 40.4/22

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

asym_at2_dd_correction_rms vs Slug



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

Left Out: 1019.575+/-0.371 χ^2/NDF : 745910.4/5

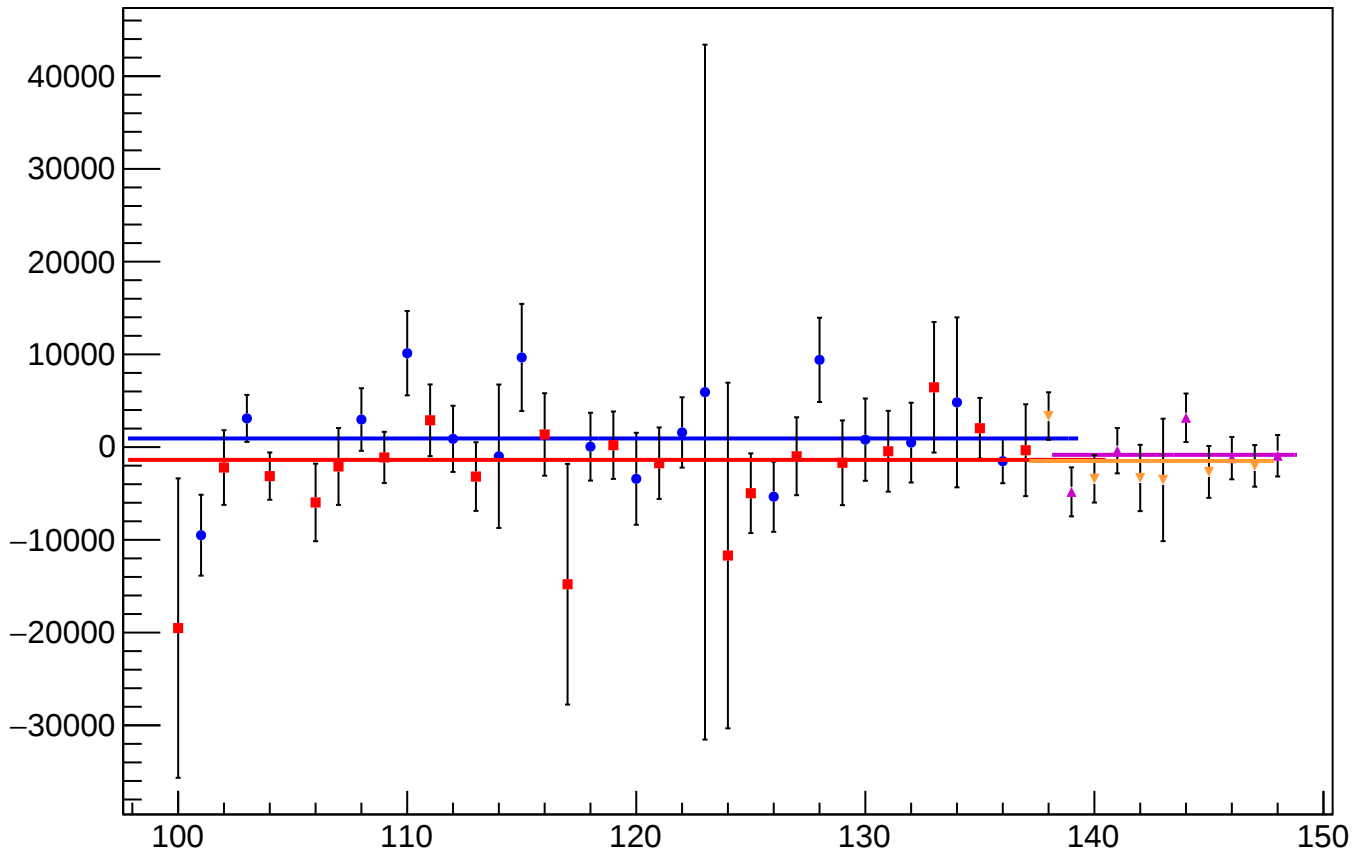
1233.092+/-0.285 χ^2/NDF : 2845695.8/22

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

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

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

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1496.167 ± 1168.078 χ^2/NDF : 4.7/5

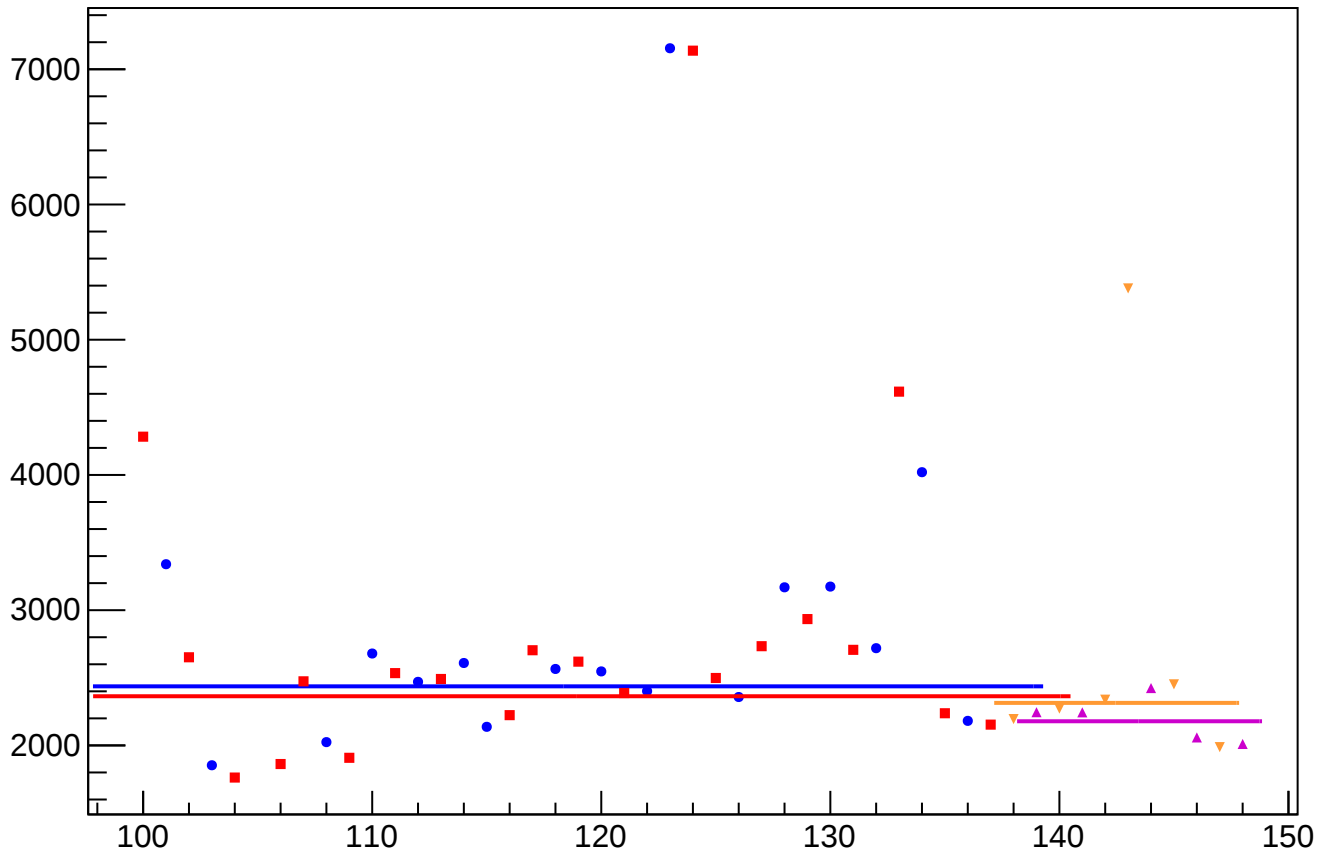
Right Out: -1375.966 ± 923.072 χ^2/NDF : 9.6/19

Left In: -834.178 ± 1085.685 χ^2/NDF : 4.7/4

-56.067 ± 745.303 χ^2/NDF : 28.9/22

-1148.646 ± 703.248 χ^2/NDF : 14.4/24

asym_at2_dd_rms vs Slug



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

Left Out: 2314.509+/-0.826 χ^2/NDF :483158.8/5

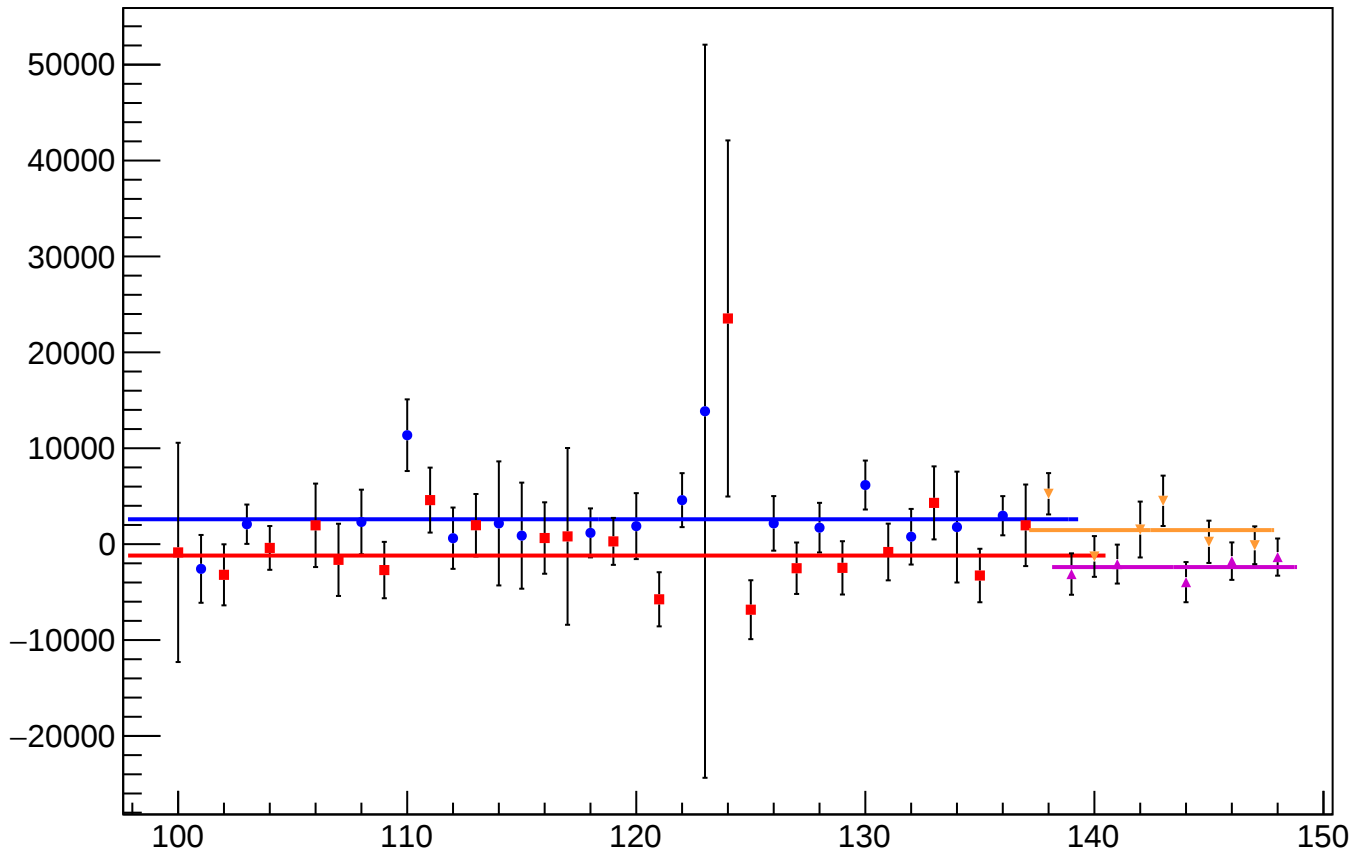
Right Out: 2363.609+/-0.653 χ^2/NDF : 657228.5/19

Left In: 2178.626+/-0.768 χ^2/NDF :37080.9/4

2387.046+/-0.527 χ^2/NDF : 965197.6/22

2285.995+/-0.497 χ^2/NDF : 728009.9/24

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684+/-743.000 χ^2/NDF : 11.7/16

Left Out: 1463.785+/-927.472 χ^2/NDF : 7.1/5

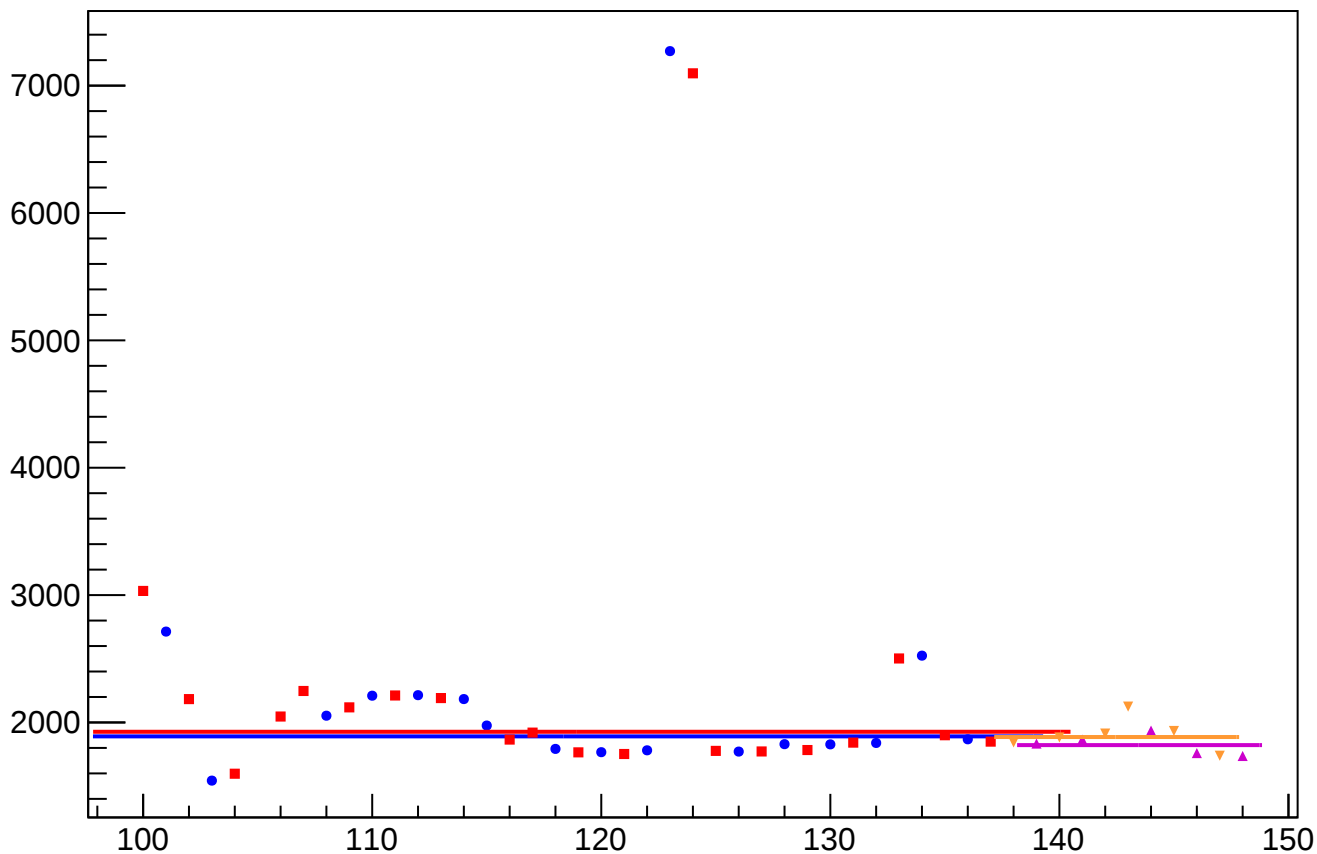
Right Out: -1189.680+/-737.247 χ^2/NDF : 17.3/19

Left In: -2390.241+/-907.798 χ^2/NDF : 1.1/4

2152.616+/-579.874 χ^2/NDF : 19.6/22

-1666.816+/-572.292 χ^2/NDF : 19.4/24

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721 ± 0.525 χ^2/NDF : 288944.9/16

Left Out: 1885.633 ± 0.656 χ^2/NDF : 29479.9/5

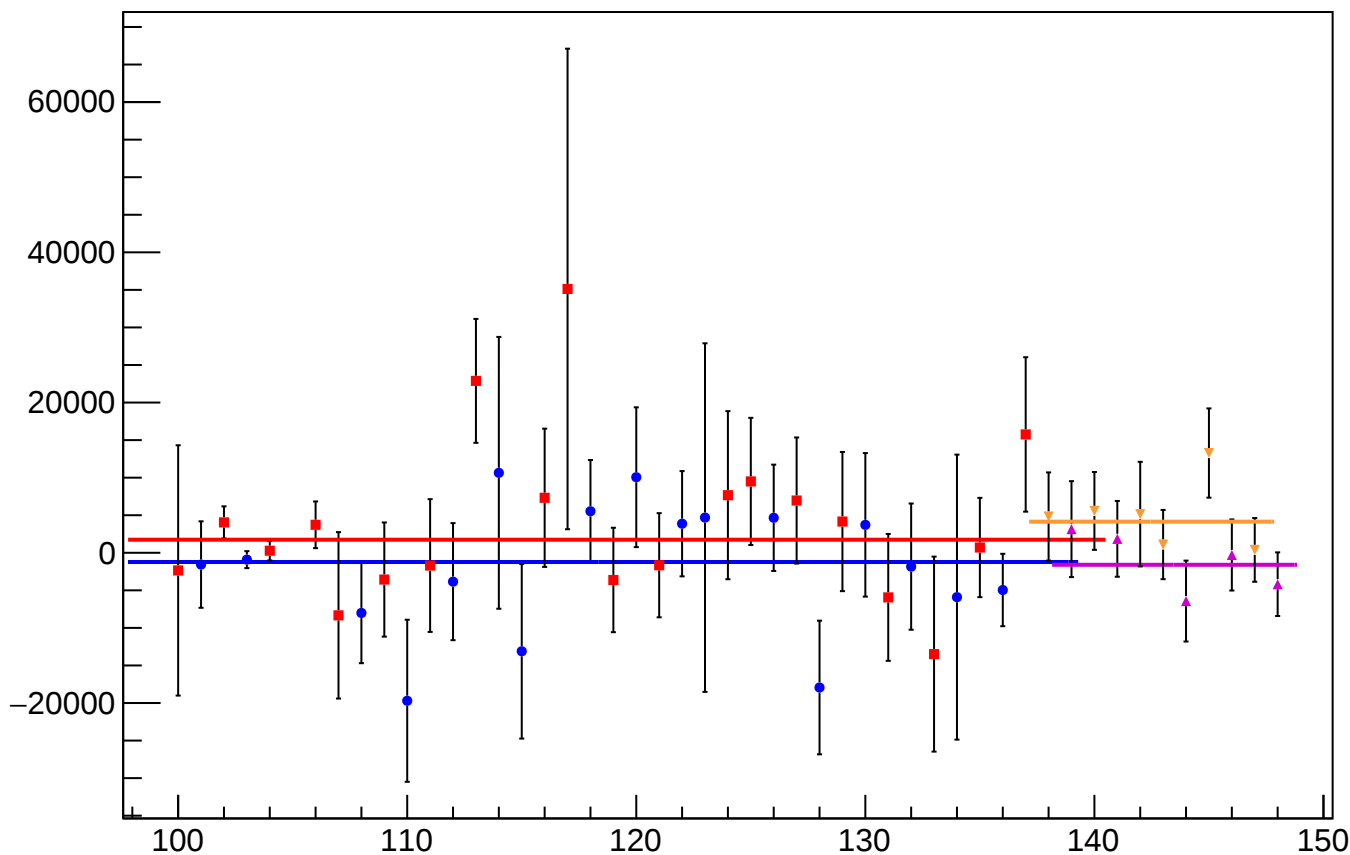
Right Out: 1926.906 ± 0.520 χ^2/NDF : 362255.6/19

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

1888.733 ± 0.410 χ^2/NDF : 318461.4/22

1885.367 ± 0.404 χ^2/NDF : 391144.9/24

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915+/-984.603 χ^2/NDF : 13.8/16

Left Out: 4144.025+/-2142.442 χ^2/NDF : 3.7/5

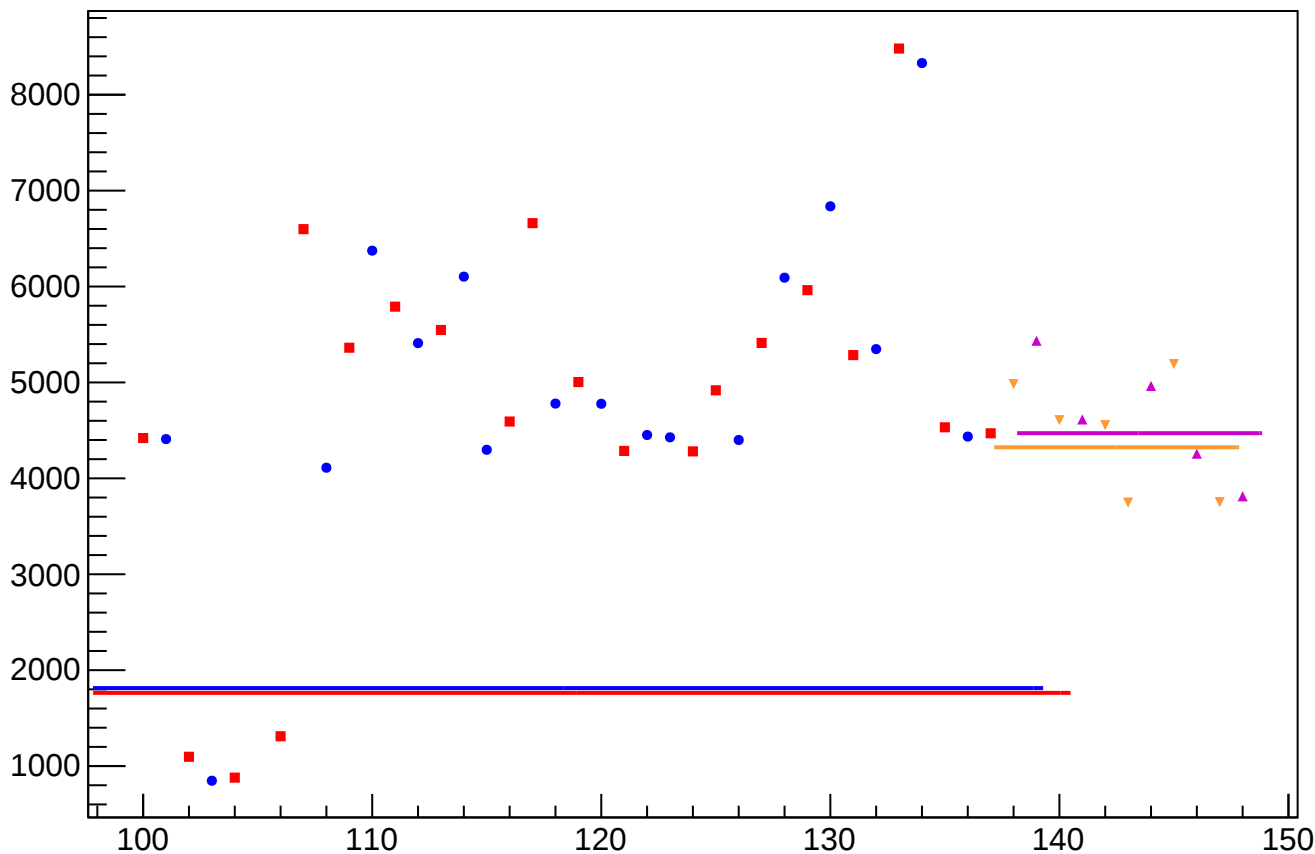
Right Out: 1740.671+/-941.173 χ^2/NDF : 18.9/19

Left In: -1598.416+/-2243.713 χ^2/NDF : 2.3/4

-290.352+/-894.648 χ^2/NDF : 22.7/22

1241.050+/-867.908 χ^2/NDF : 23.1/24

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4324.003+/-1.515 χ^2/NDF :143711.3/5

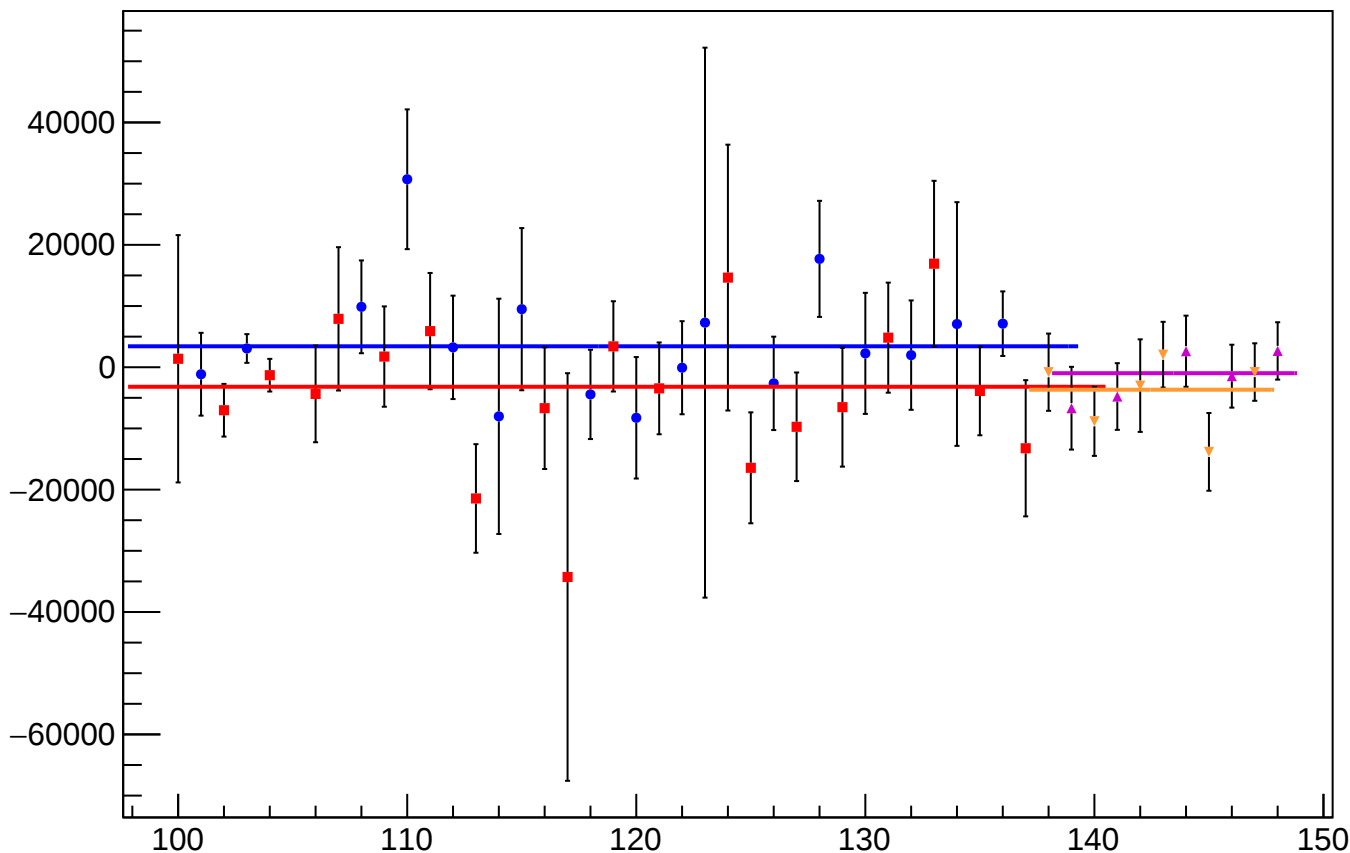
Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

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

2251.020+/-0.633 χ^2/NDF : 8860635.8/22

2168.531+/-0.614 χ^2/NDF : 8953165.8/24

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264 ± 1606.678 χ^2/NDF : 13.7/16

Left Out: -3672.927 ± 2365.806 χ^2/NDF : 5.1/5

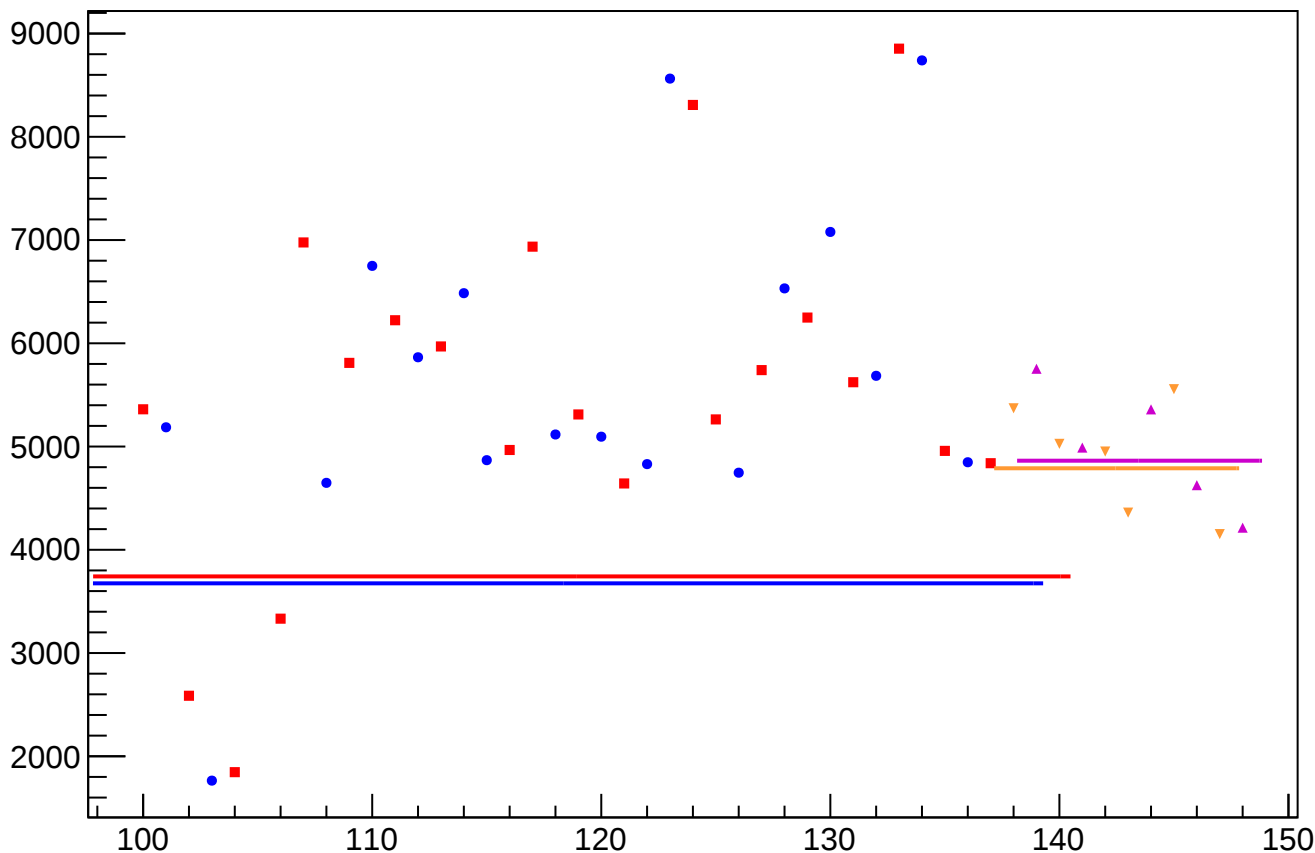
Right Out: -3190.143 ± 1604.066 χ^2/NDF : 16.9/19

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

1182.083 ± 1329.145 χ^2/NDF : 25.0/22

-2519.798 ± 1339.698 χ^2/NDF : 19.6/24

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003 ± 1.136 $\chi^2/\text{NDF}: 2775085.7/16$

Left Out: 4789.464 ± 1.673 $\chi^2/\text{NDF}: 100118.0/5$

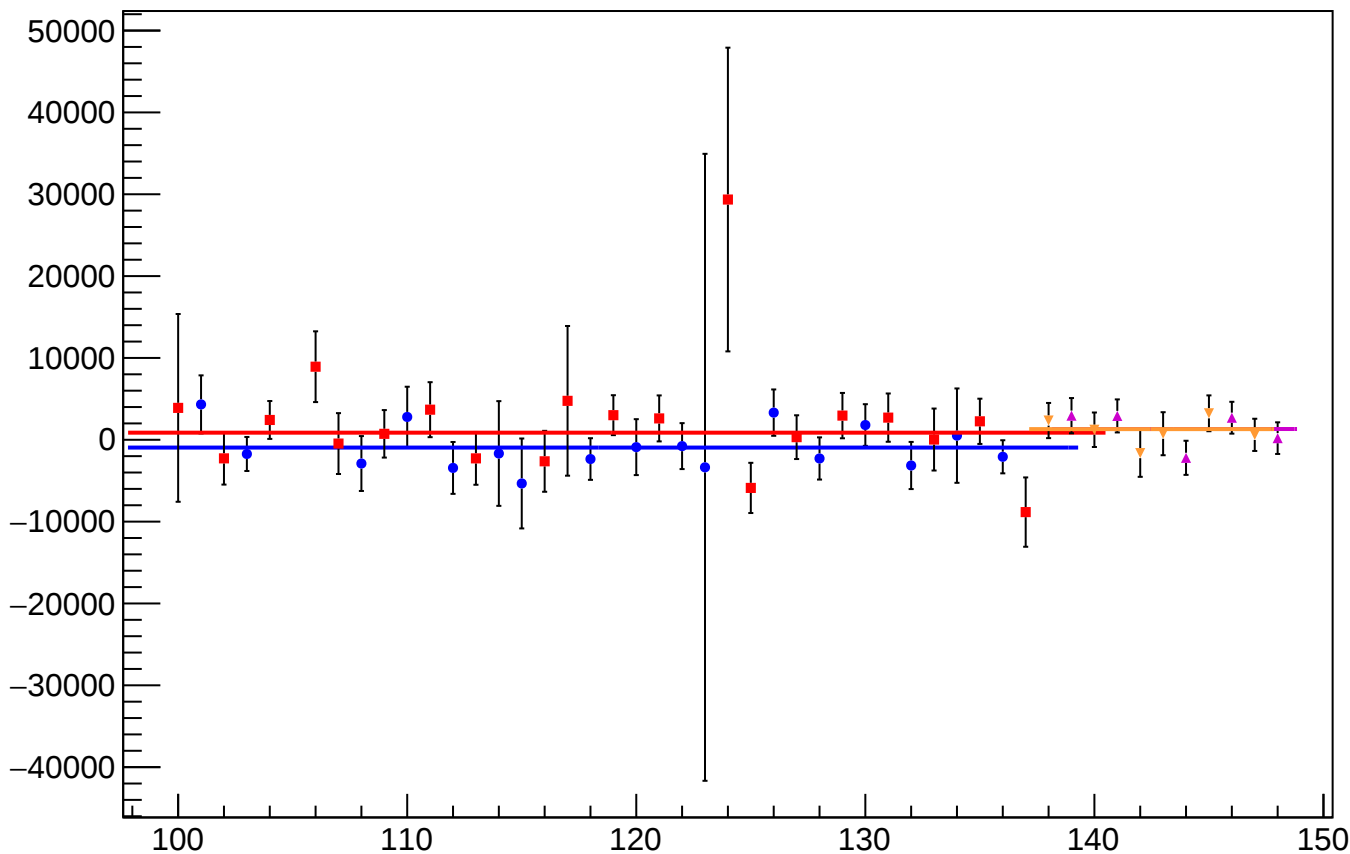
Right Out: 3742.124 ± 1.127 $\chi^2/\text{NDF}: 2712365.3/19$

Left In: 4862.853 ± 1.722 $\chi^2/\text{NDF}: 92962.4/4$

4026.767 ± 0.940 $\chi^2/\text{NDF}: 3178934.2/22$

4077.964 ± 0.943 $\chi^2/\text{NDF}: 3101805.8/24$

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 1304.369 ± 923.515 χ^2/NDF : 2.2/5

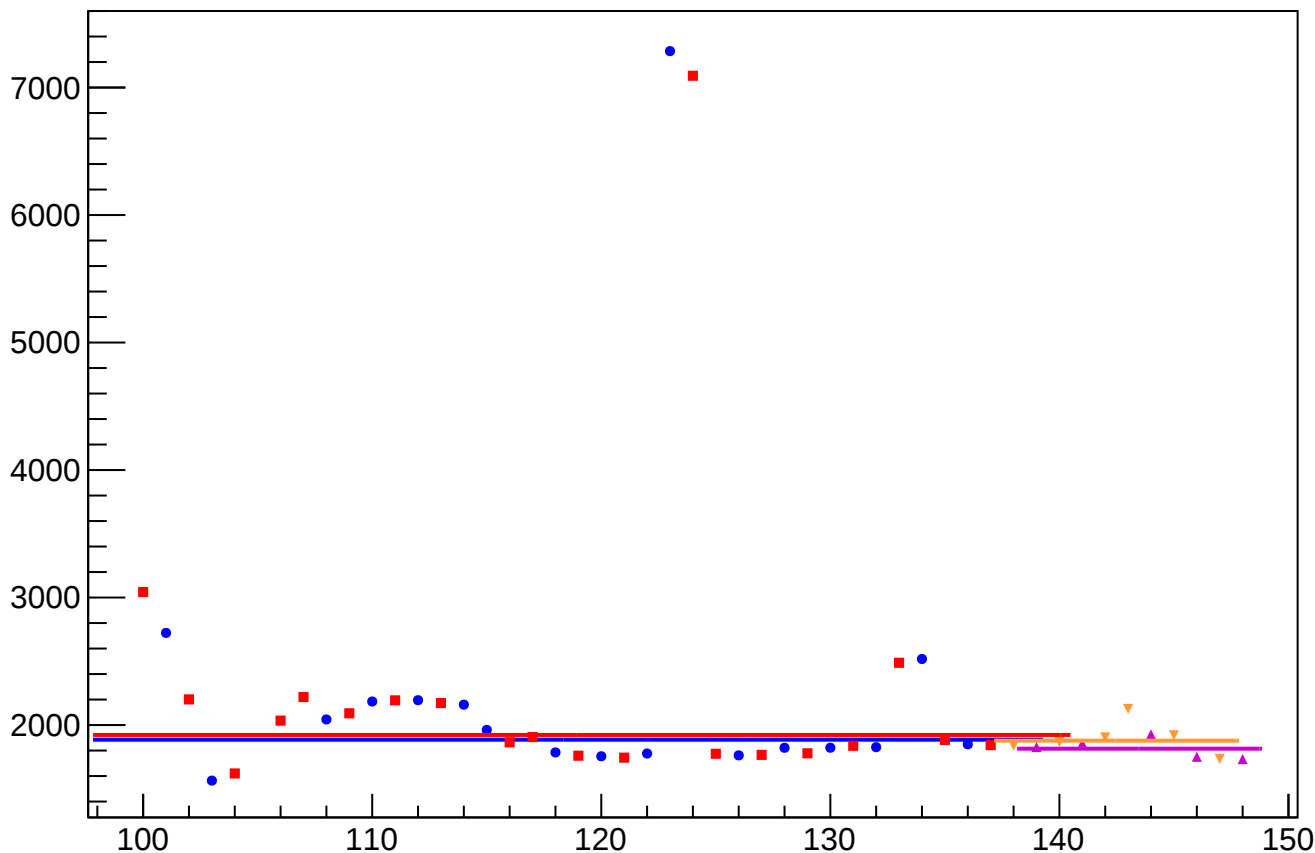
Right Out: 868.810 ± 735.140 χ^2/NDF : 22.7/19

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

-68.391 ± 577.798 χ^2/NDF : 15.8/22

1047.187 ± 570.348 χ^2/NDF : 27.7/24

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1877.527+/-0.653 χ^2/NDF : 30051.8/5

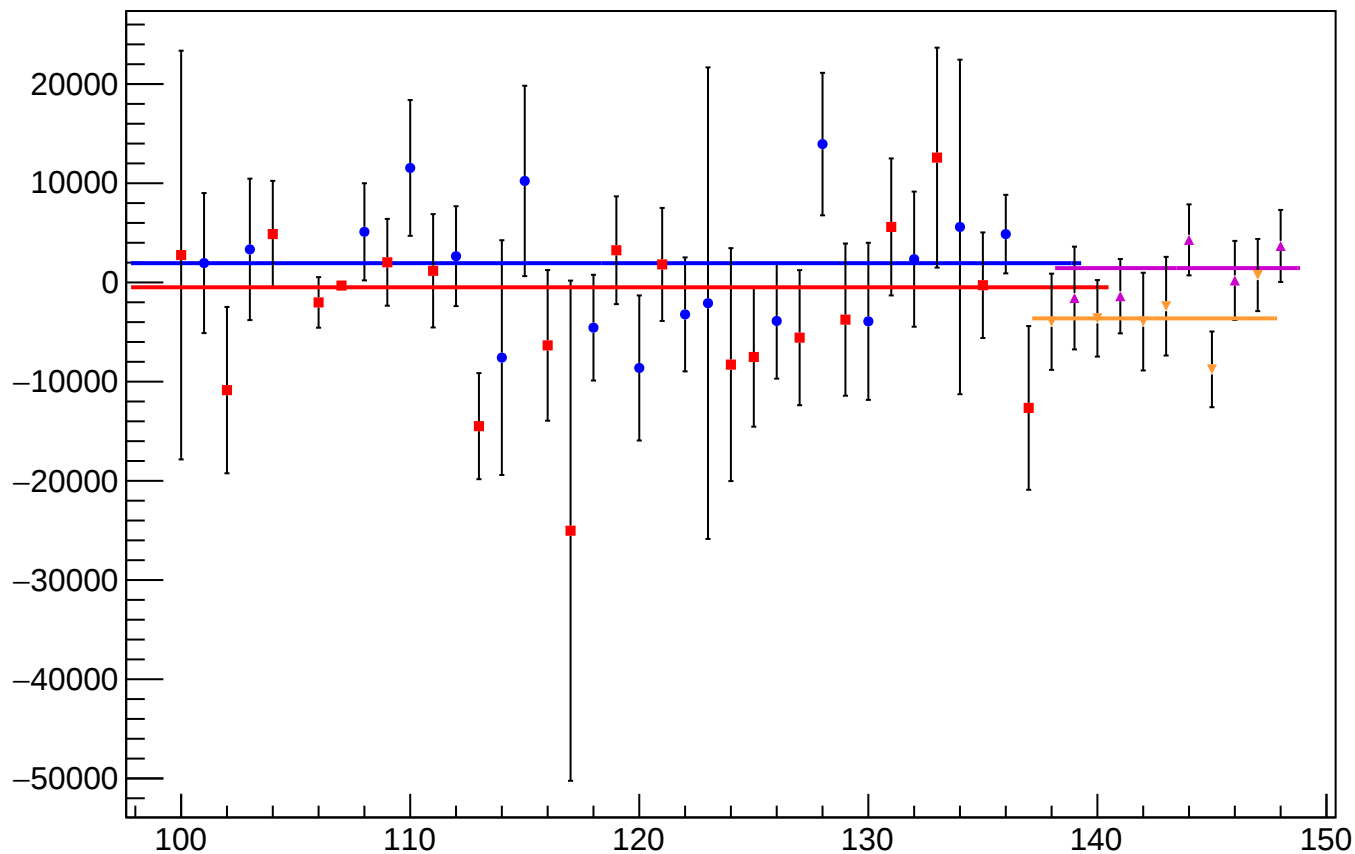
Right Out: 1922.430+/-0.519 χ^2/NDF : 351518.8/19

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

1882.294+/-0.409 χ^2/NDF : 310568.4/22

1879.582+/-0.403 χ^2/NDF : 380967.5/24

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178 ± 1581.060 χ^2/NDF : 13.2/16

Left Out: -3622.526 ± 1726.156 χ^2/NDF : 3.3/5

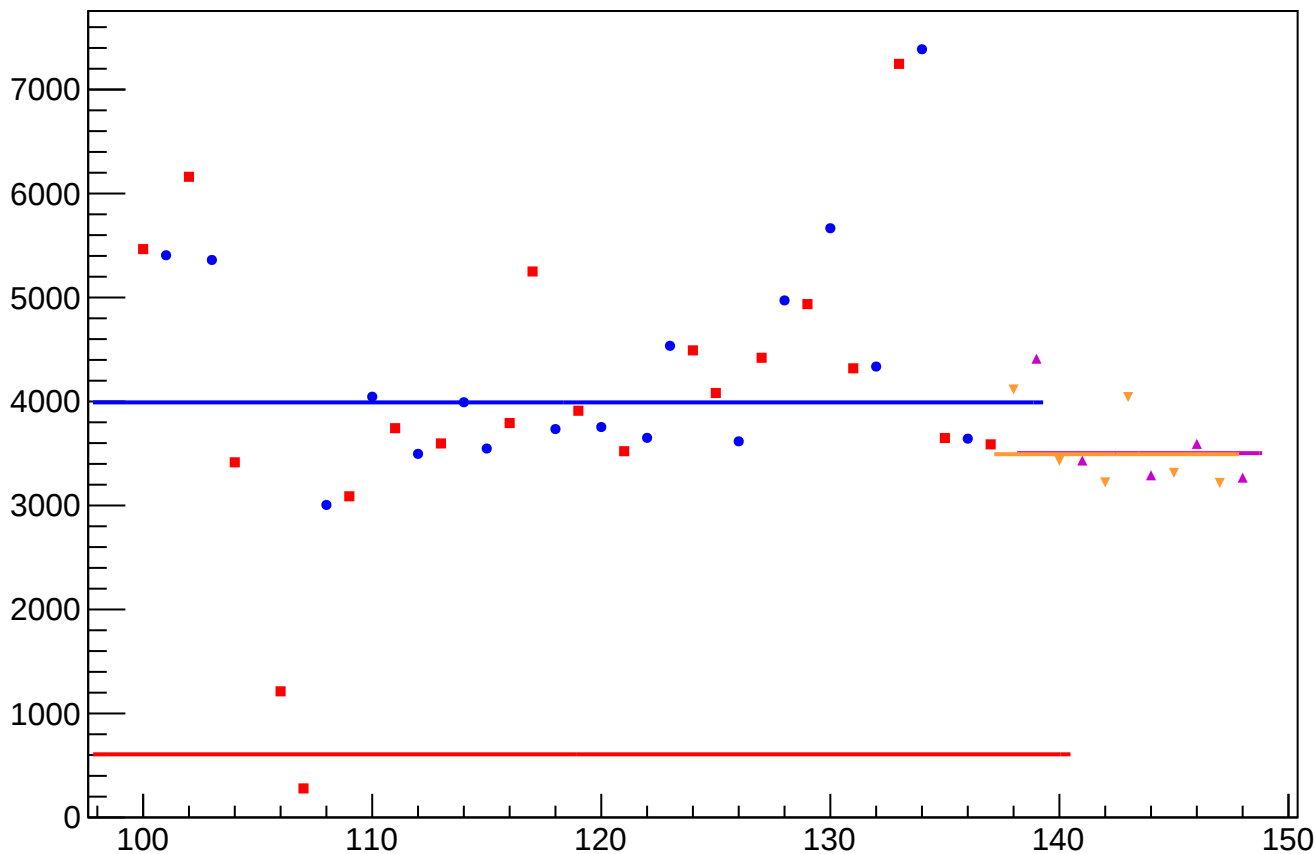
Right Out: -486.774 ± 453.611 χ^2/NDF : 19.0/19

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

-595.962 ± 1165.905 χ^2/NDF : 22.2/22

-365.536 ± 439.156 χ^2/NDF : 22.2/24

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3493.299+/-1.221 χ^2/NDF : 79926.8/5

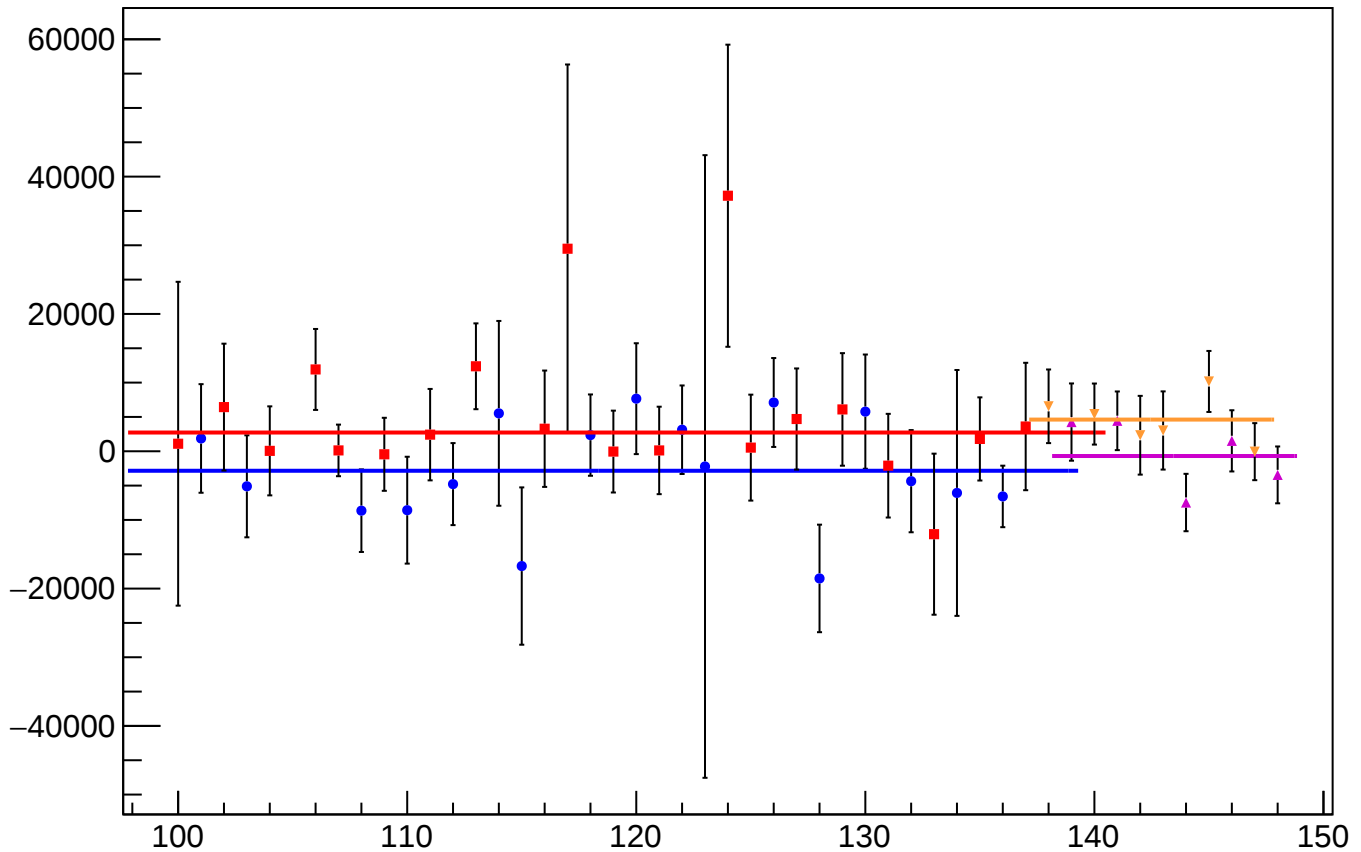
Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

Left In: 3503.340+/-1.240 χ^2/NDF : 78676.7/4

3764.169+/-0.824 χ^2/NDF : 681275.1/22

788.868+/-0.311 χ^2/NDF : 15506084.3/24

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599+/-1786.019 χ^2/NDF : 15.4/16

Left Out: 4613.953+/-1979.354 χ^2/NDF : 3.2/5

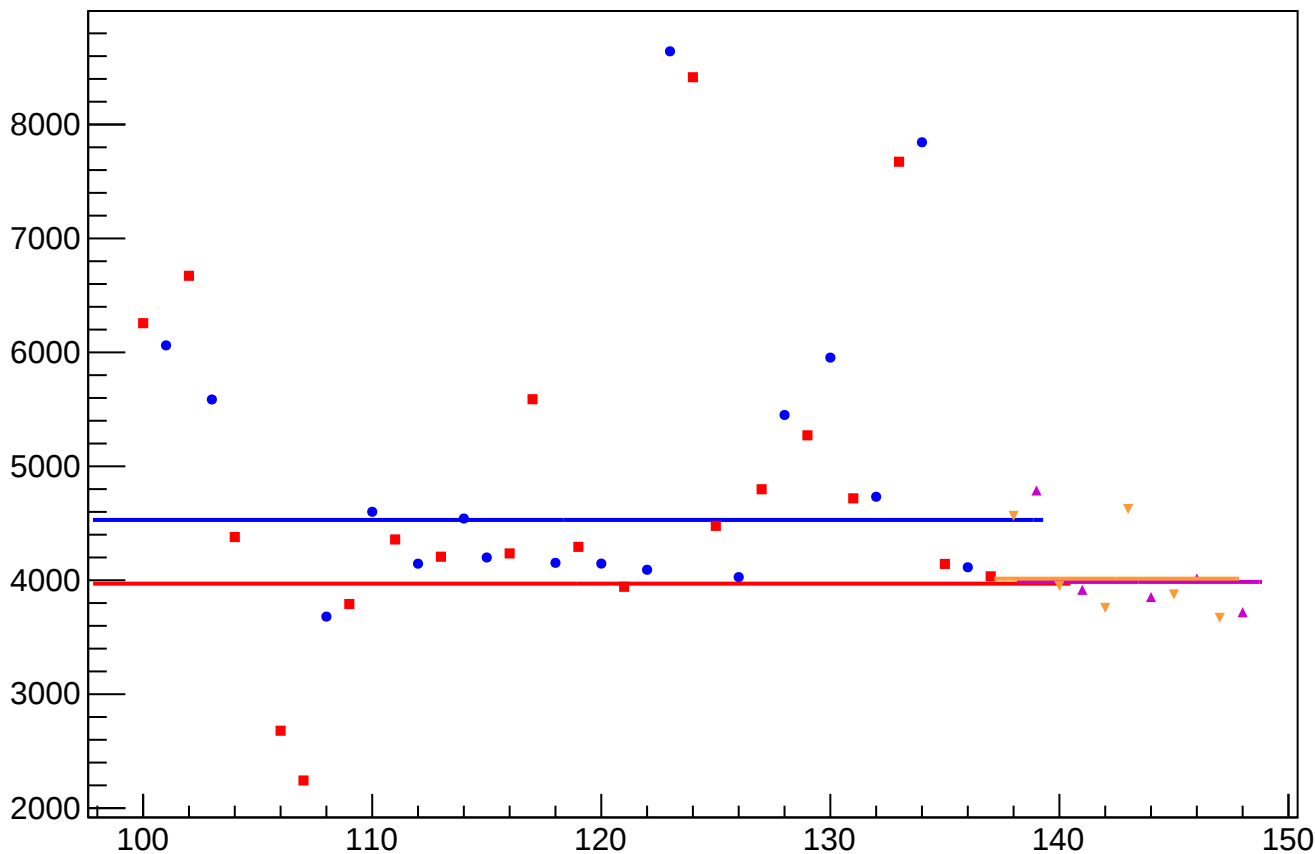
Right Out: 2729.311+/-1572.398 χ^2/NDF : 12.2/19

Left In: -691.877+/-1990.502 χ^2/NDF : 5.5/4

505.478+/-1326.004 χ^2/NDF : 26.5/22

1414.737+/-1233.862 χ^2/NDF : 19.5/24

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4014.077+/-1.400 χ^2/NDF : 64197.3/5

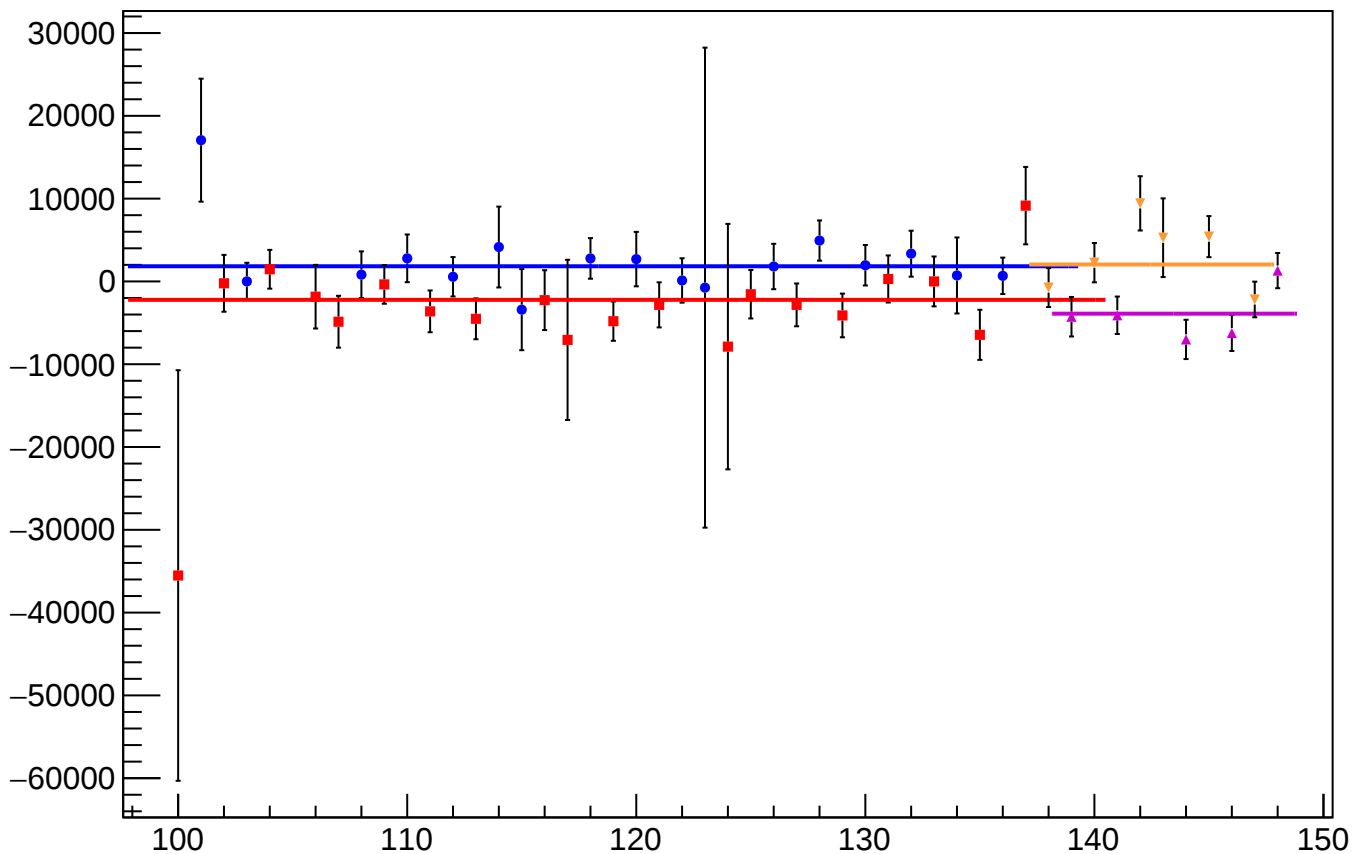
Right Out: 3970.336+/-1.105 χ^2/NDF : 1147711.9/19

Left In: 3985.443+/-1.407 χ^2/NDF : 51601.1/4

4298.162+/-0.938 χ^2/NDF : 528265.3/22

3976.095+/-0.869 χ^2/NDF : 1199384.3/24

reg_asym_atr1l2_avg_mean vs Slug



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

Left Out: 2044.322+/-1069.551 χ^2/NDF :12.6/5

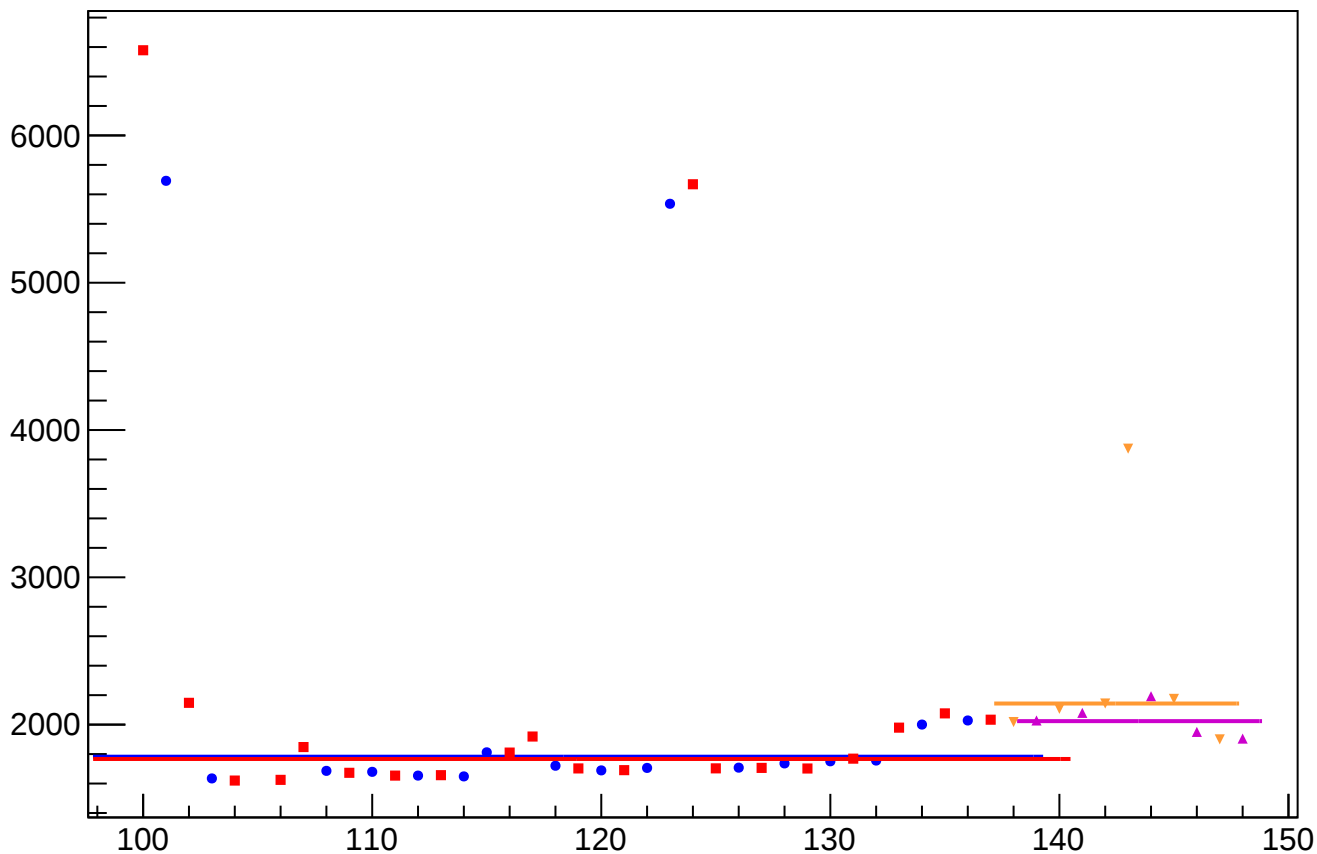
Right Out: -2222.274+/-682.500 χ^2/NDF : 18.6/19

Left In: -3895.431+/-1008.827 χ^2/NDF :8.9/4

1895.798+/-592.301 χ^2/NDF : 22.3/22

-2747.618+/-565.288 χ^2/NDF : 29.4/24

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137 ± 0.503 χ^2/NDF : 645188.8/16

Left Out: 2143.219 ± 0.756 χ^2/NDF : 297095.5/5

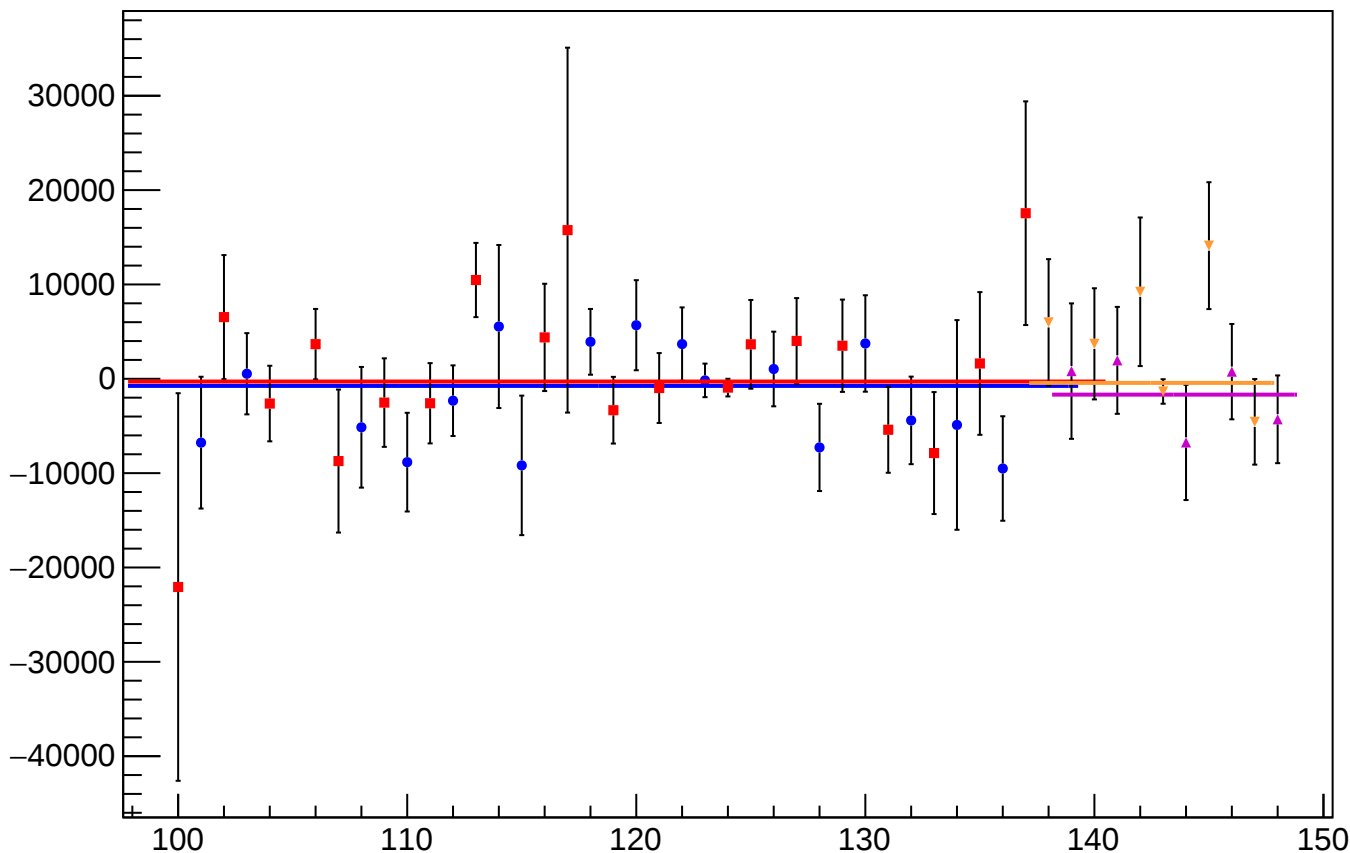
Right Out: 1766.719 ± 0.479 χ^2/NDF : 307297.1/19

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

1892.872 ± 0.419 χ^2/NDF : 1100327.4/22

1846.631 ± 0.398 χ^2/NDF : 416542.6/24

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -434.658+/-1169.968 χ^2/NDF : 8.9/5

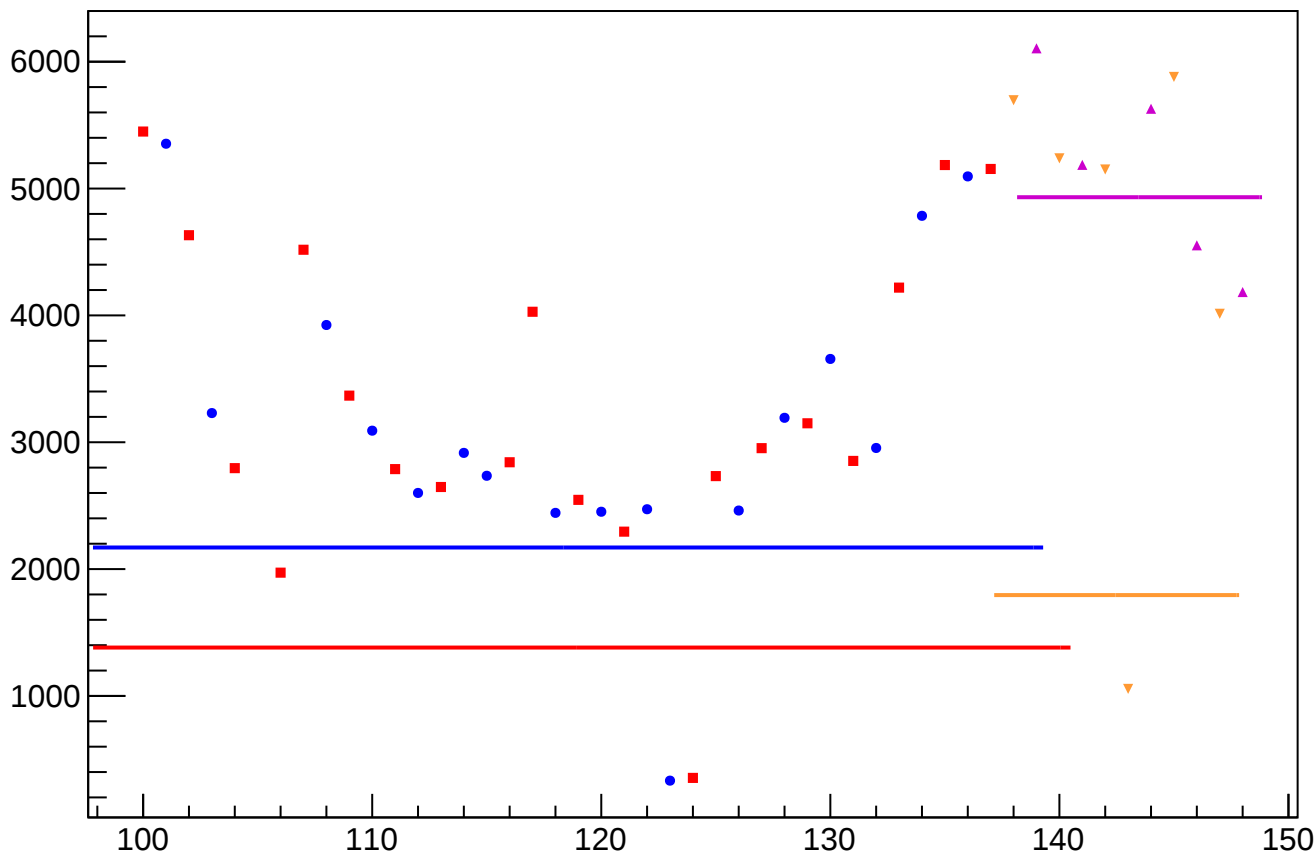
Right Out: -288.847+/-724.622 χ^2/NDF : 22.7/19

Left In: -1678.079+/-2478.781 χ^2/NDF : 1.8/4

-617.537+/-763.888 χ^2/NDF : 25.9/22

-398.220+/-695.513 χ^2/NDF : 24.7/24

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 1795.043+/-0.827 χ^2/NDF : 3588184.9/5

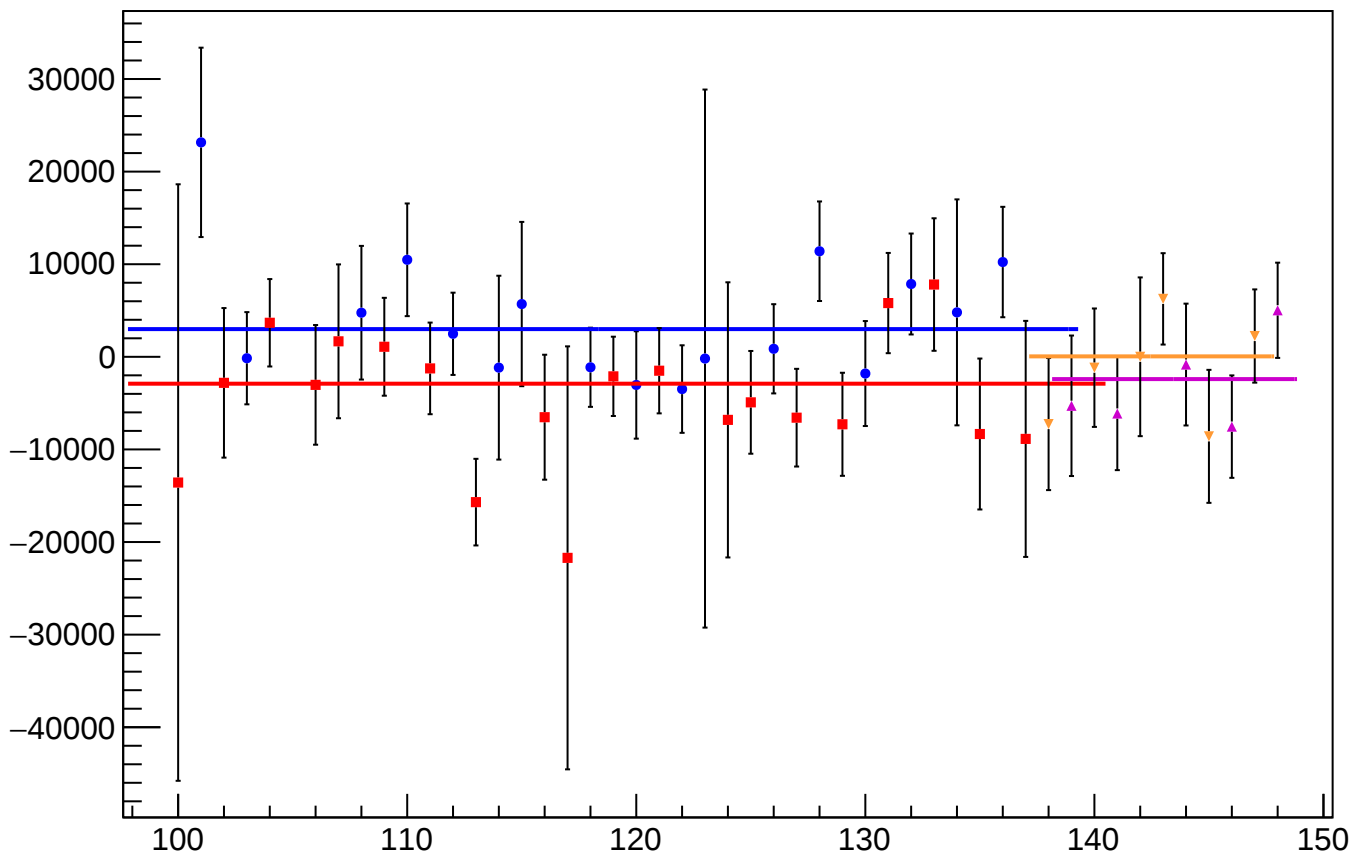
Right Out: 1381.438+/-0.512 χ^2/NDF : 6884822.3/19

Left In: 4931.706+/-1.753 χ^2/NDF : 146561.3/4

2010.296+/-0.540 χ^2/NDF : 7679913.0/22

1660.947+/-0.492 χ^2/NDF : 10811135.8/24

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 48.359 $\pm$ 2518.484 χ^2 /NDF: 4.3/5

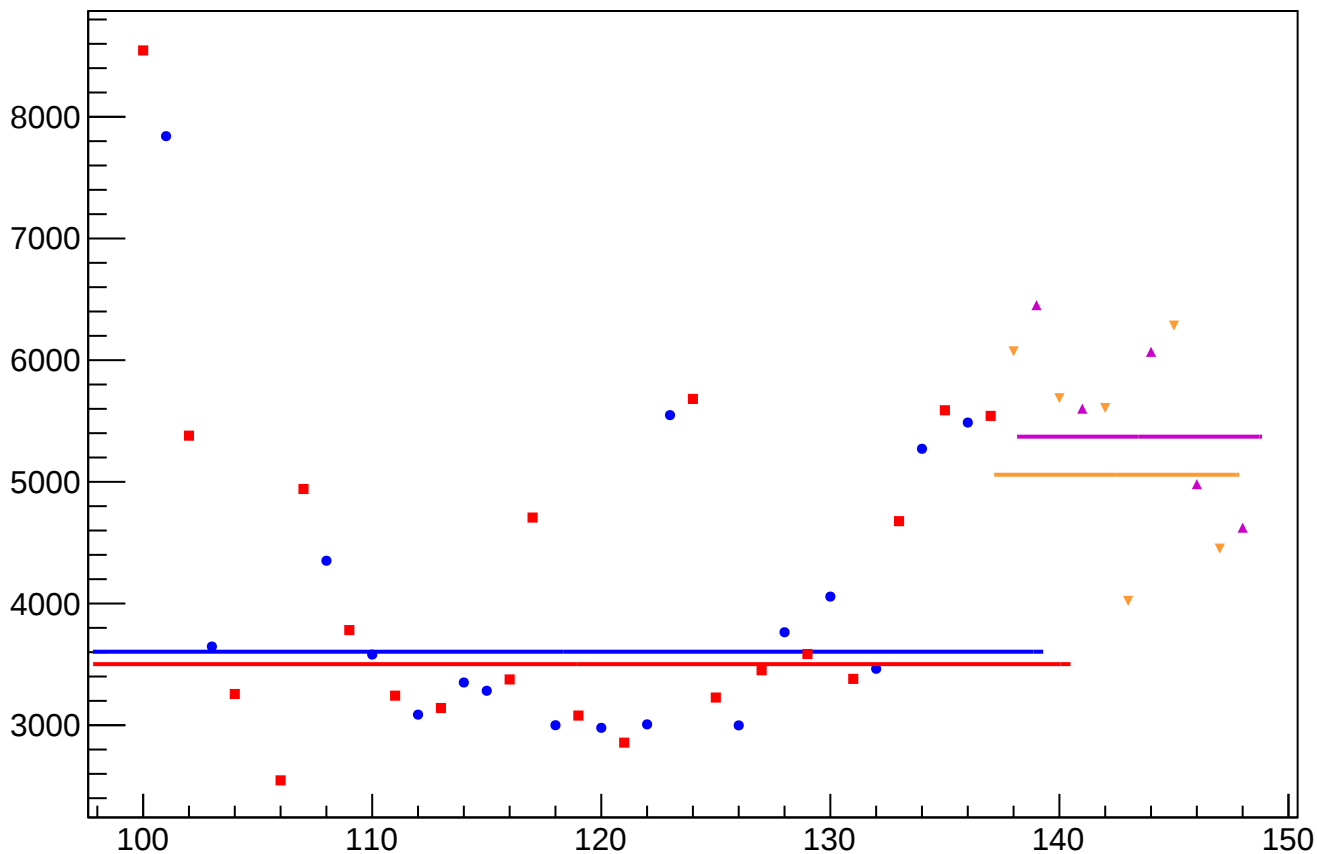
Right Out: -2901.985 $\pm$ 1376.603 χ^2 /NDF: 18.4/19

Left In: -2405.248 $\pm$ 2694.400 χ^2 /NDF: 3.5/4

2261.886 $\pm$ 1254.794 χ^2 /NDF: 21.0/22

-2799.161 $\pm$ 1225.873 χ^2 /NDF: 22.0/24

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 5058.412+/-1.781 χ^2/NDF : 243727.1/5

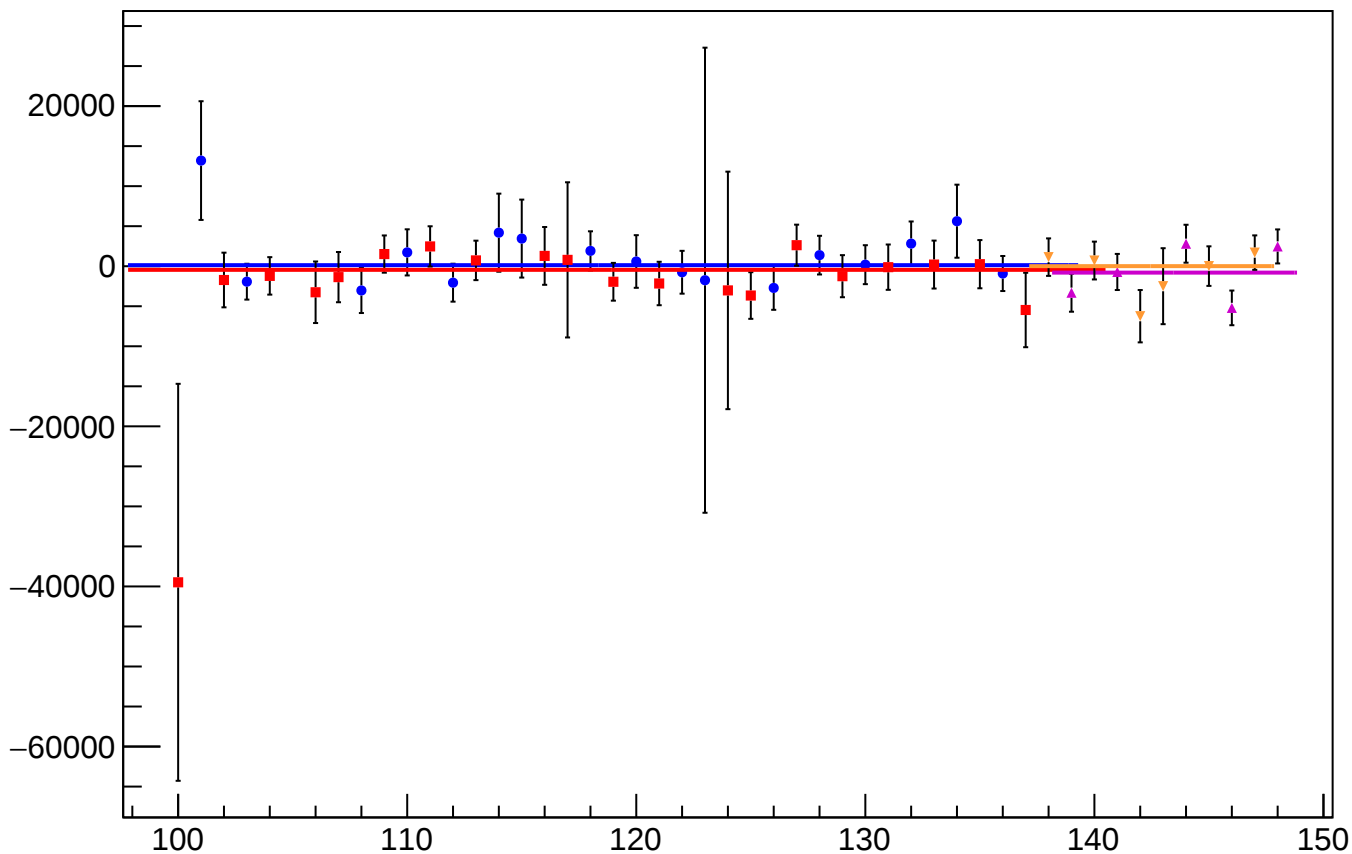
Right Out: 3501.857+/-0.960 χ^2/NDF : 667483.1/19

Left In: 5371.457+/-1.905 χ^2/NDF : 118161.8/4

3964.982+/-0.887 χ^2/NDF : 1529878.4/22

3880.372+/-0.857 χ^2/NDF : 1553637.2/24

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 8.868 $\pm$ 1066.553 χ^2 /NDF:4.9/5

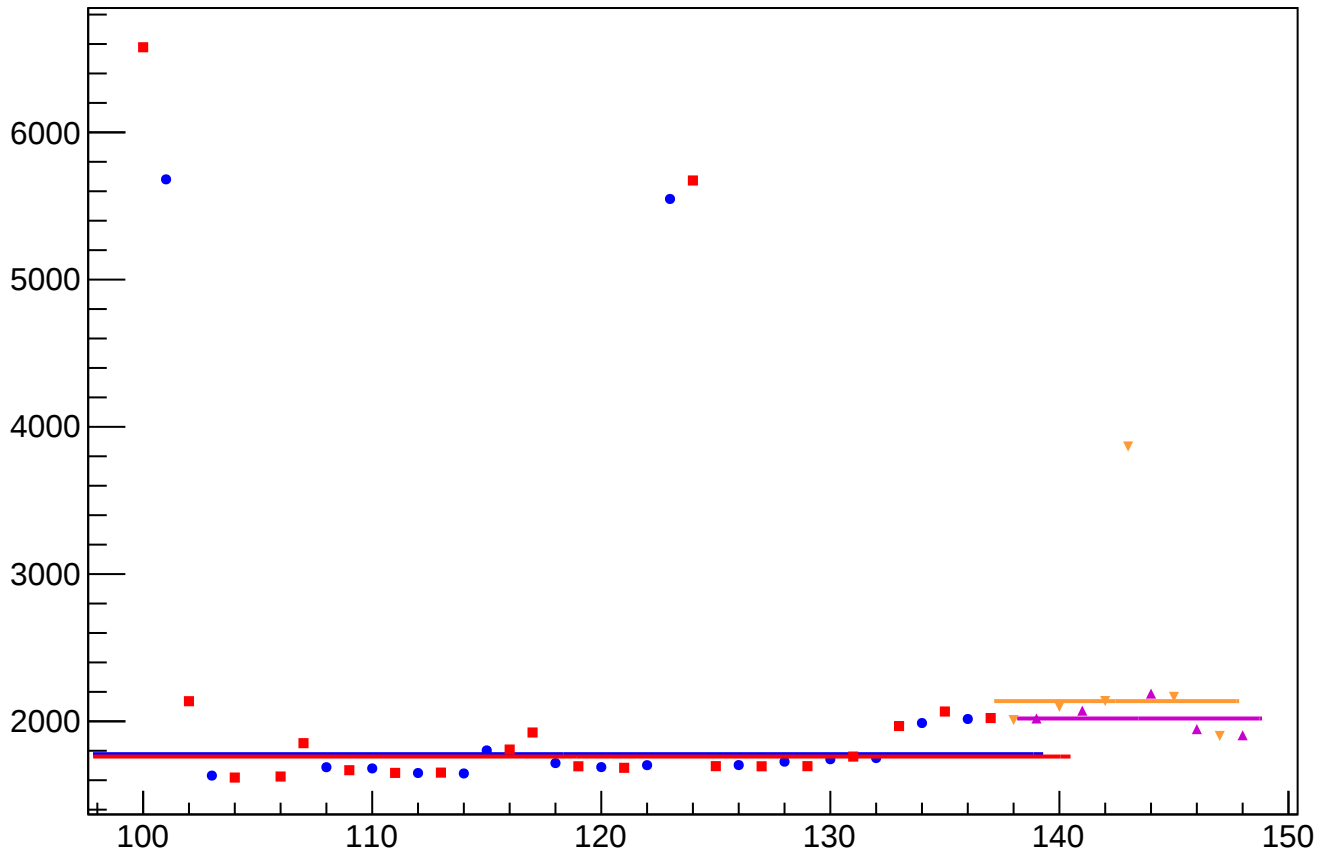
Right Out: -452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

Left In: -799.710 $\pm$ 1006.554 χ^2 /NDF:10.0/4

93.495 $\pm$ 590.563 χ^2 /NDF: 17.0/22

-561.598 $\pm$ 563.559 χ^2 /NDF: 20.8/24

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2 /NDF: 643576.8/16

Left Out: 2137.267+/-0.754 χ^2 /NDF: 296650.4/5

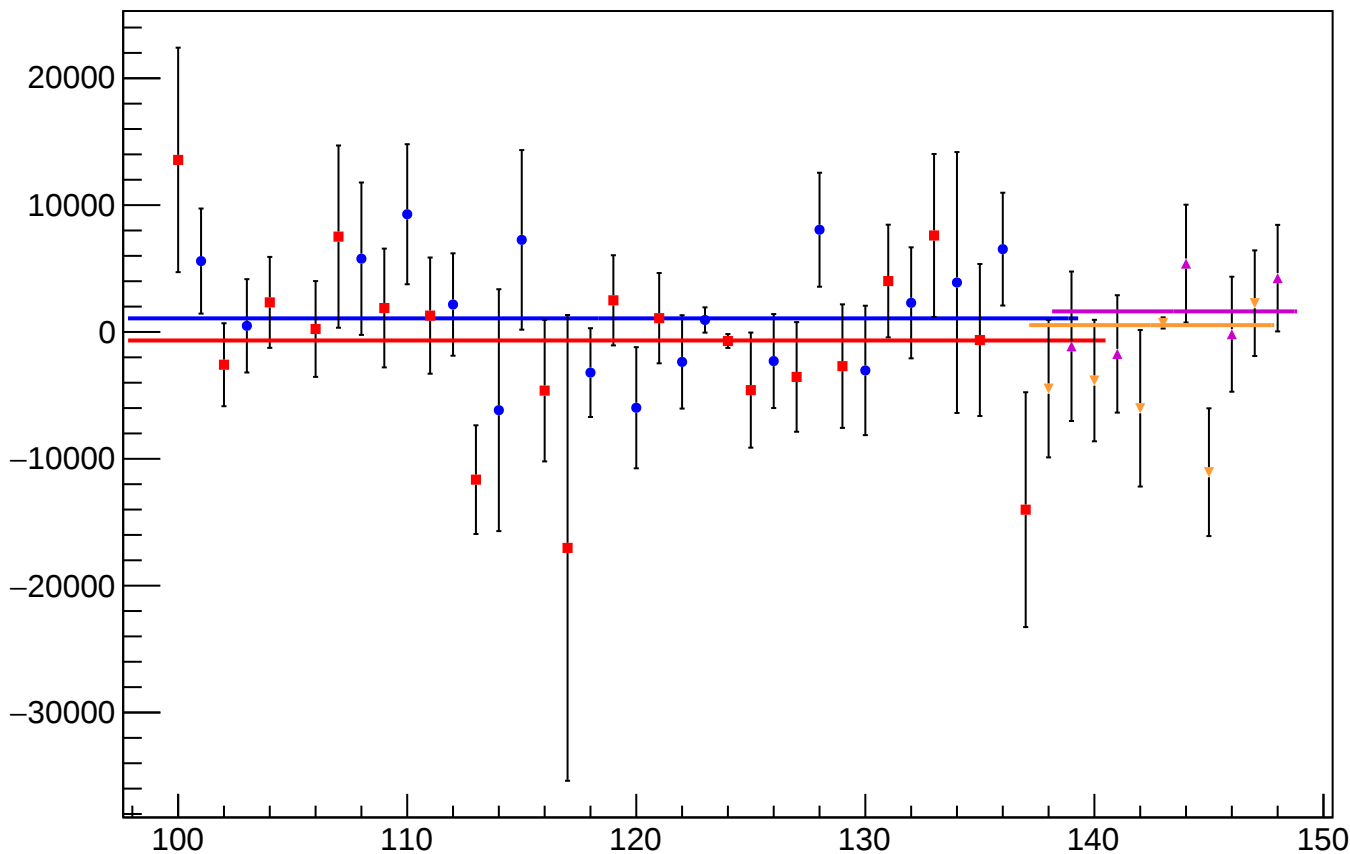
Right Out: 1760.787+/-0.478 χ^2 /NDF: 306724.5/19

Left In: 2019.234+/-0.712 χ^2 /NDF: 19263.0/4

1887.372+/-0.418 χ^2 /NDF: 1098567.4/22

1841.050+/-0.397 χ^2 /NDF: 416894.0/24

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 540.500+/-430.646 χ^2/NDF : 8.4/5

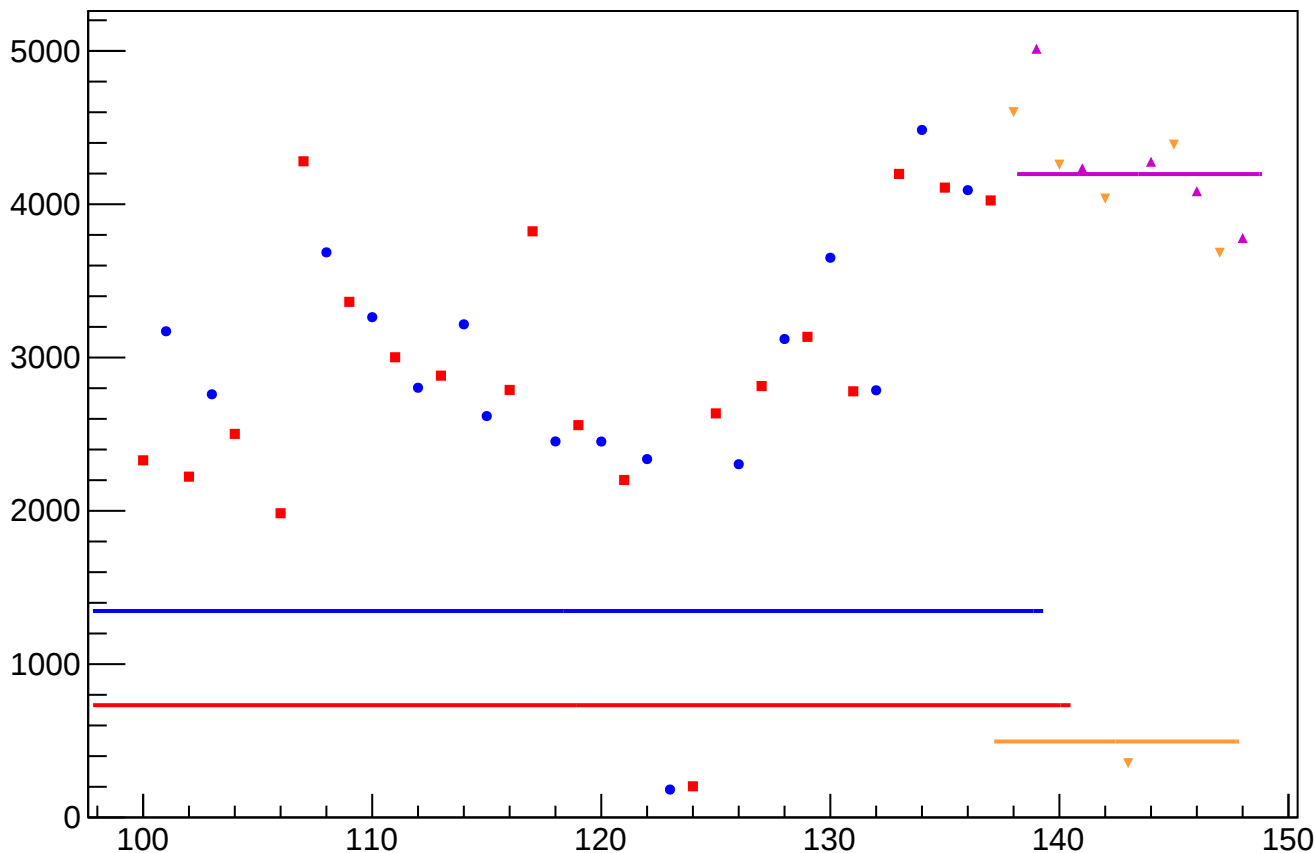
Right Out: -670.313+/-487.861 χ^2/NDF : 20.6/19

Left In: 1621.635+/-2097.818 χ^2/NDF : 1.9/4

671.733+/-373.740 χ^2/NDF : 24.4/22

-552.718+/-475.181 χ^2/NDF : 23.7/24

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 495.373+/-0.305 χ^2/NDF : 5616088.6/5

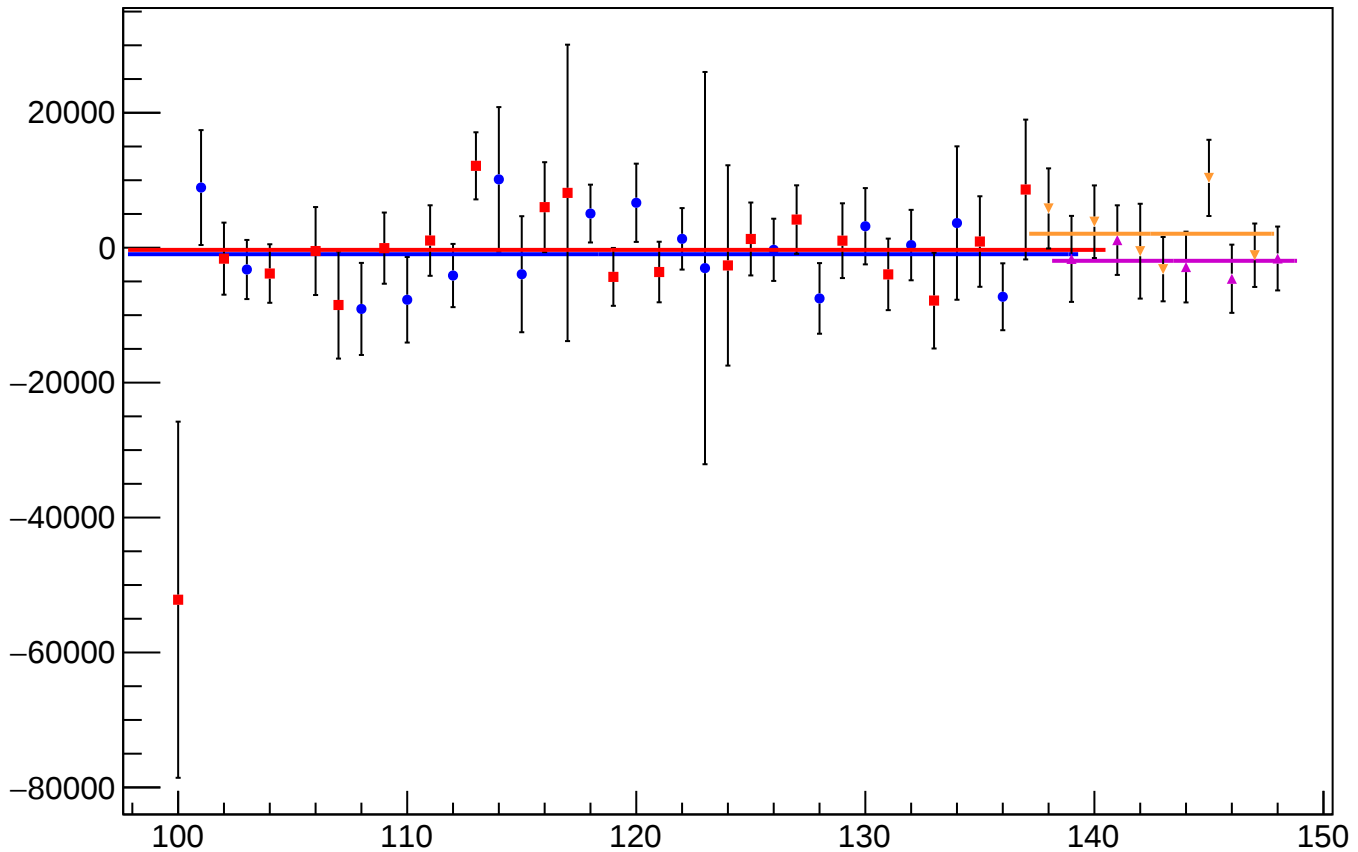
Right Out: 732.303+/-0.345 χ^2/NDF : 9559853.6/19

Left In: 4196.755+/-1.483 χ^2/NDF : 60151.9/4

705.531+/-0.264 χ^2/NDF : 14384951.7/22

910.056+/-0.336 χ^2/NDF : 14794748.2/24

asym_atr1l2_dd_mean vs Slug



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 2068.825 ± 2215.410 χ^2/NDF : 4.5/5

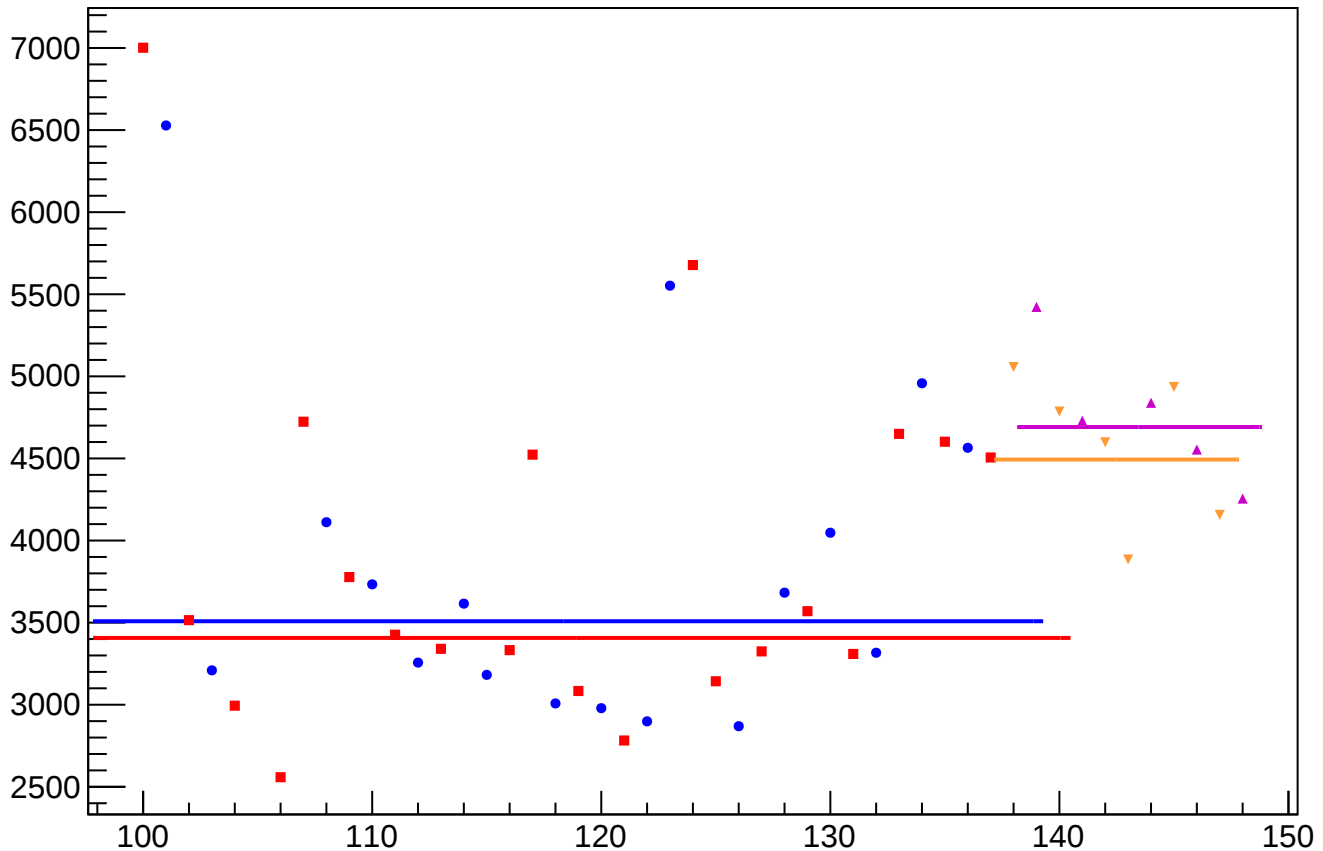
Right Out: -323.694 ± 1327.331 χ^2/NDF : 17.8/19

Left In: -1943.891 ± 2342.228 χ^2/NDF : 0.7/4

-102.467 ± 1180.847 χ^2/NDF : 19.5/22

-717.532 ± 1154.793 χ^2/NDF : 18.8/24

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4493.402+/-1.567 χ^2/NDF : 79489.4/5

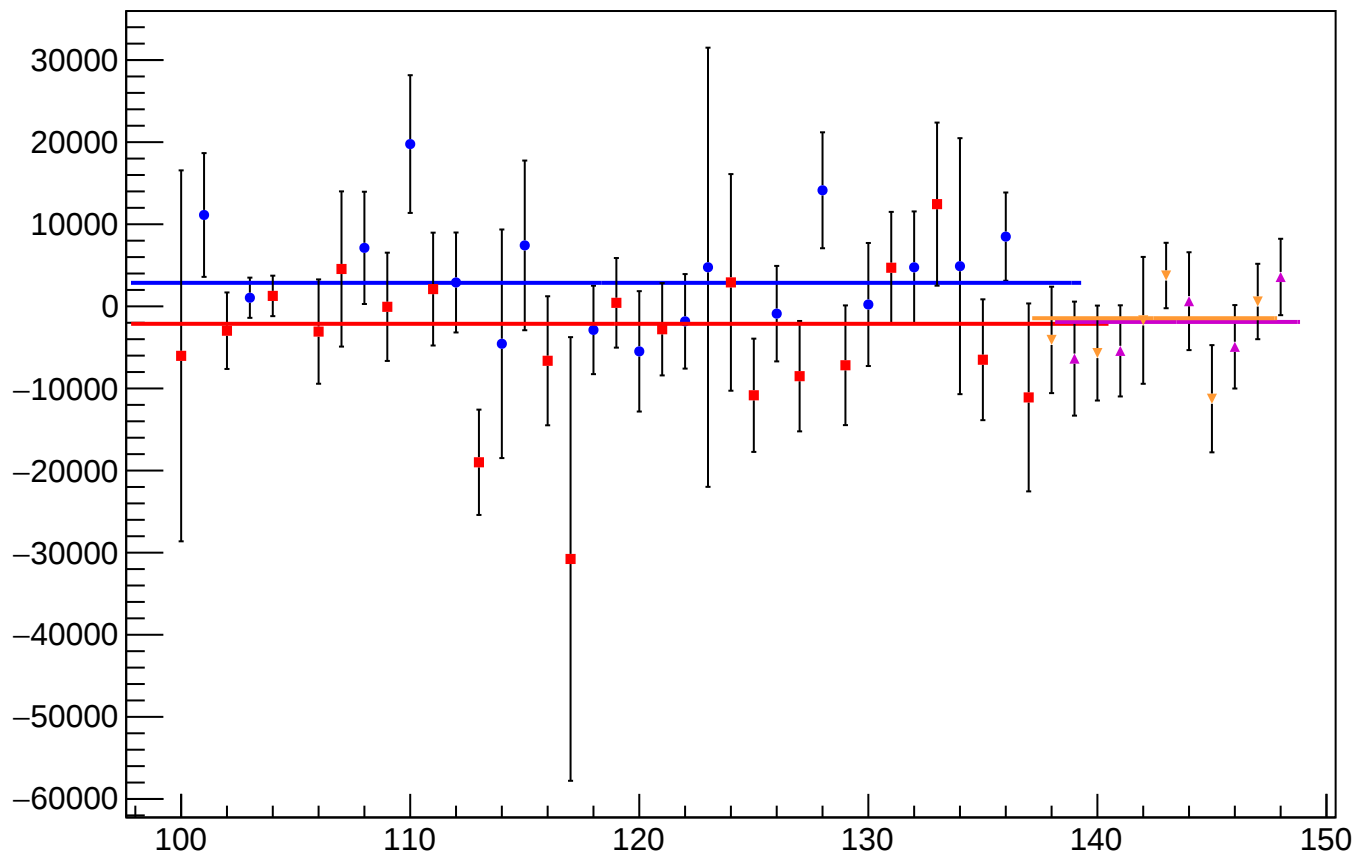
Right Out: 3406.868+/-0.926 χ^2/NDF : 433737.9/19

Left In: 4691.322+/-1.656 χ^2/NDF : 46465.7/4

3788.301+/-0.835 χ^2/NDF : 924678.7/22

3712.999+/-0.809 χ^2/NDF : 938316.7/24

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -1444.541+/-2212.124 χ^2/NDF : 4.9/5

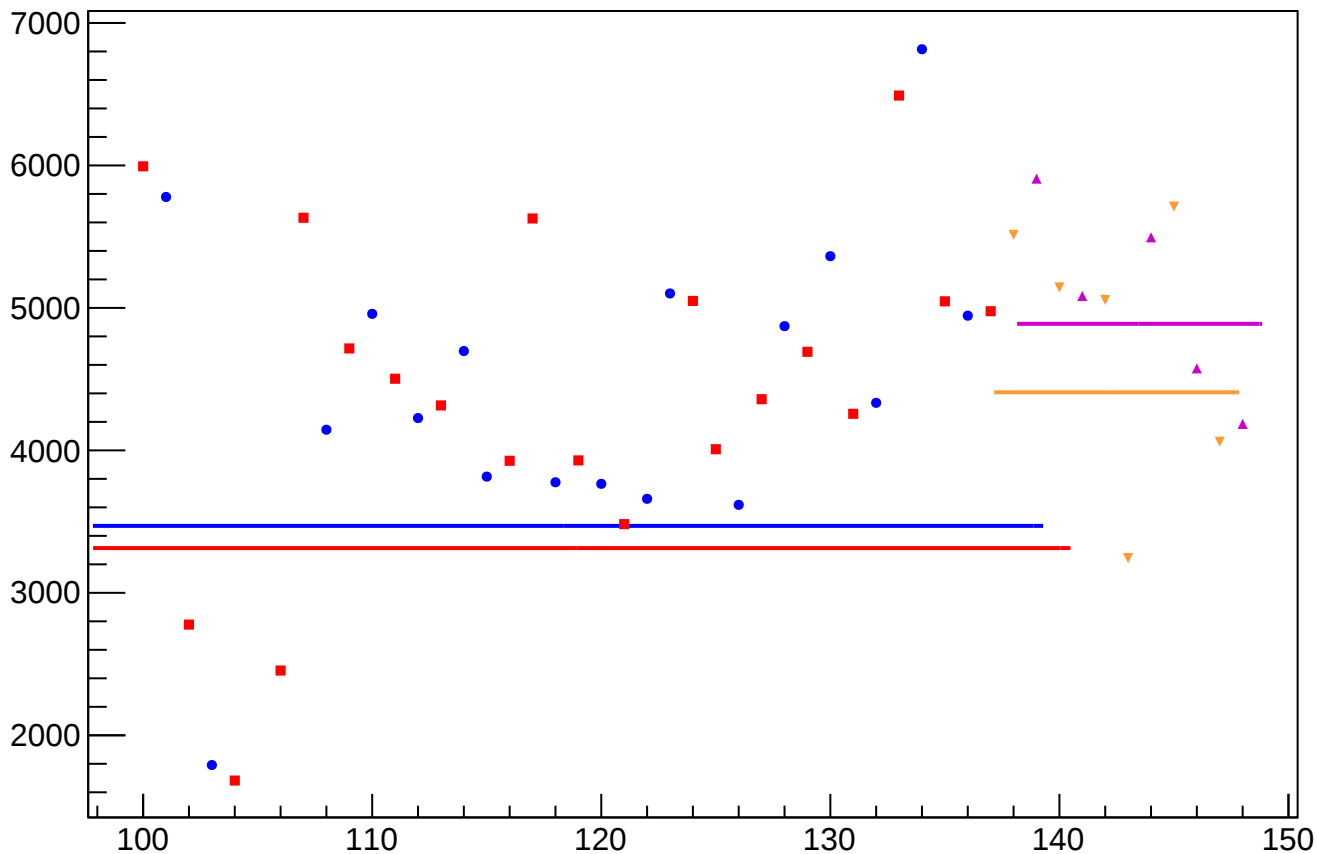
Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

Left In: -1898.107+/-2452.458 χ^2/NDF : 2.7/4

1566.377+/-1214.252 χ^2/NDF : 21.6/22

-2071.288+/-1202.521 χ^2/NDF : 21.6/24

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



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

Left Out: 4407.553 $\pm$ 1.564 χ^2 /NDF:366356.6/5

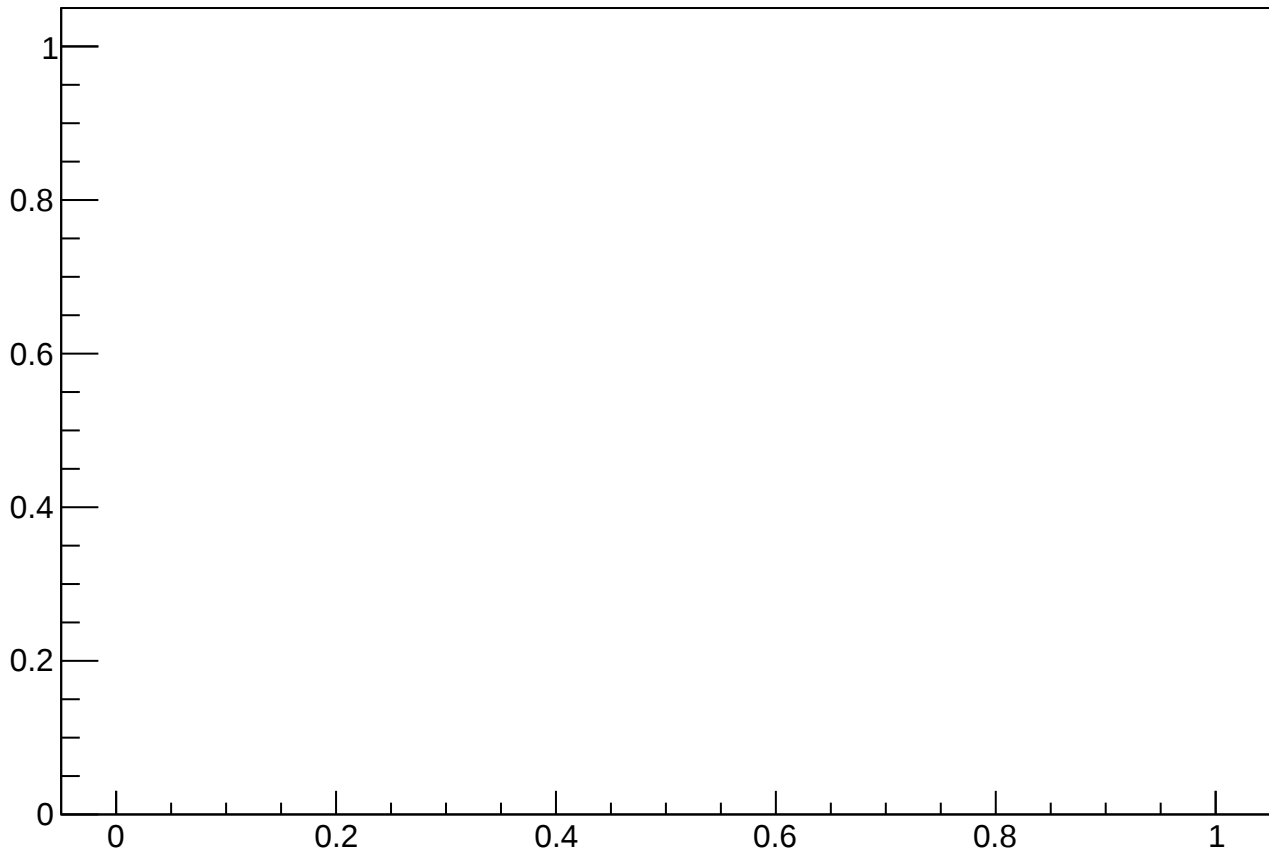
Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

Left In: 4888.329 $\pm$ 1.734 χ^2 /NDF:119484.3/4

3752.504 $\pm$ 0.859 χ^2 /NDF: 2378210.0/22

3687.411 $\pm$ 0.844 χ^2 /NDF: 2673584.8/24

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

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

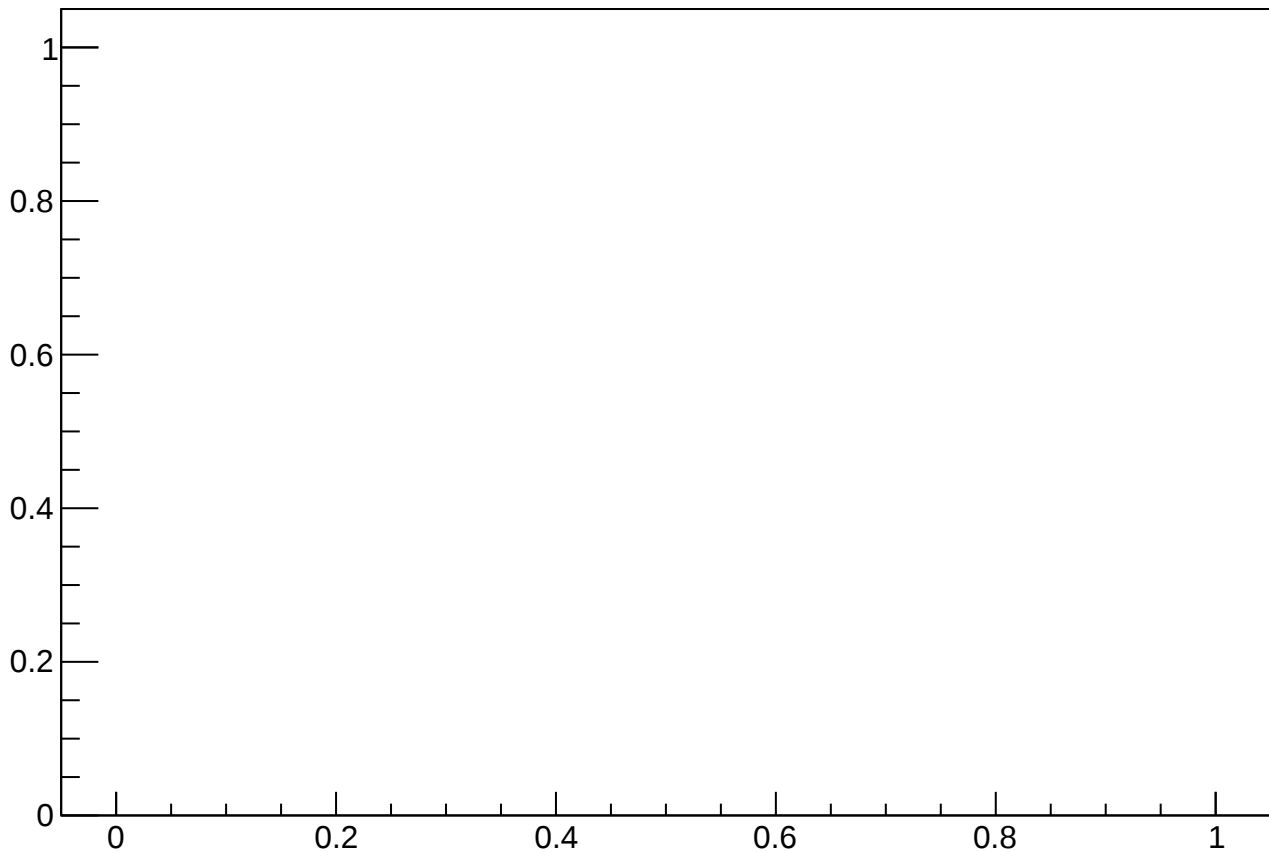
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



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

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

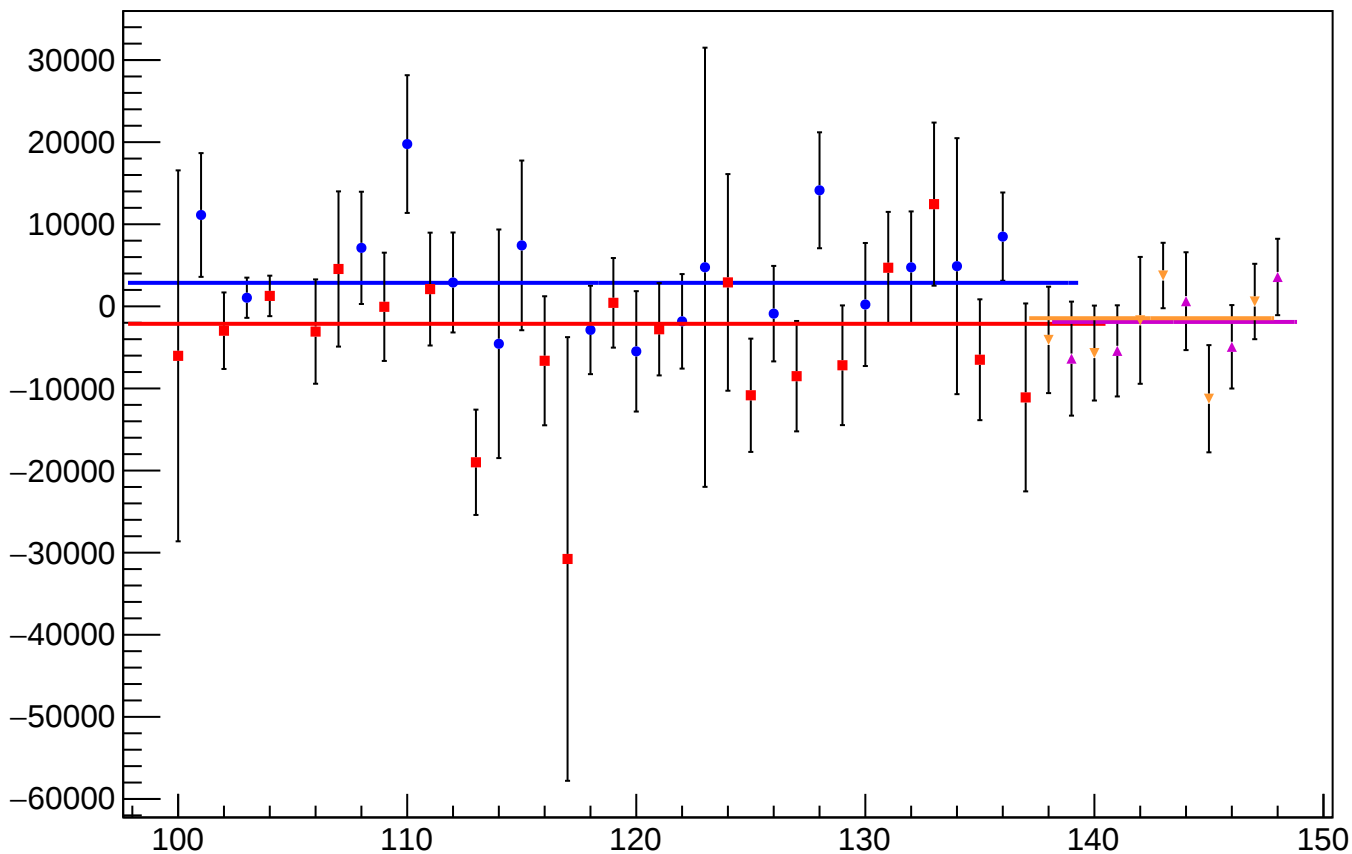
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -1444.541+/-2212.124 χ^2/NDF : 4.9/5

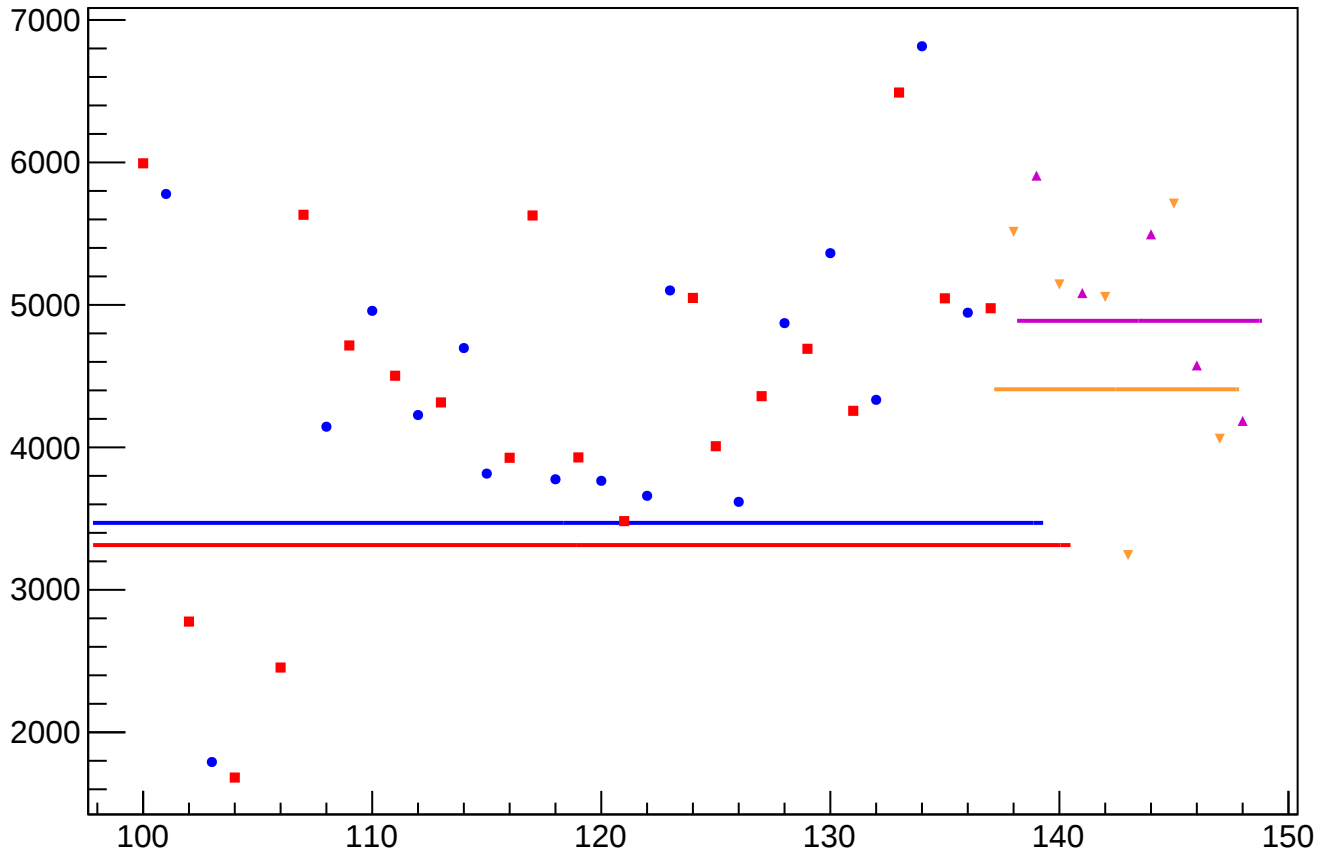
Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

Left In: -1898.107+/-2452.458 χ^2/NDF : 2.7/4

1566.377+/-1214.252 χ^2/NDF : 21.6/22

-2071.288+/-1202.521 χ^2/NDF : 21.6/24

asym_atl_avg_atr_avg_avg_rms vs Slug



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

Left Out: 4407.553 $\pm$ 1.564 χ^2 /NDF: 366356.6/5

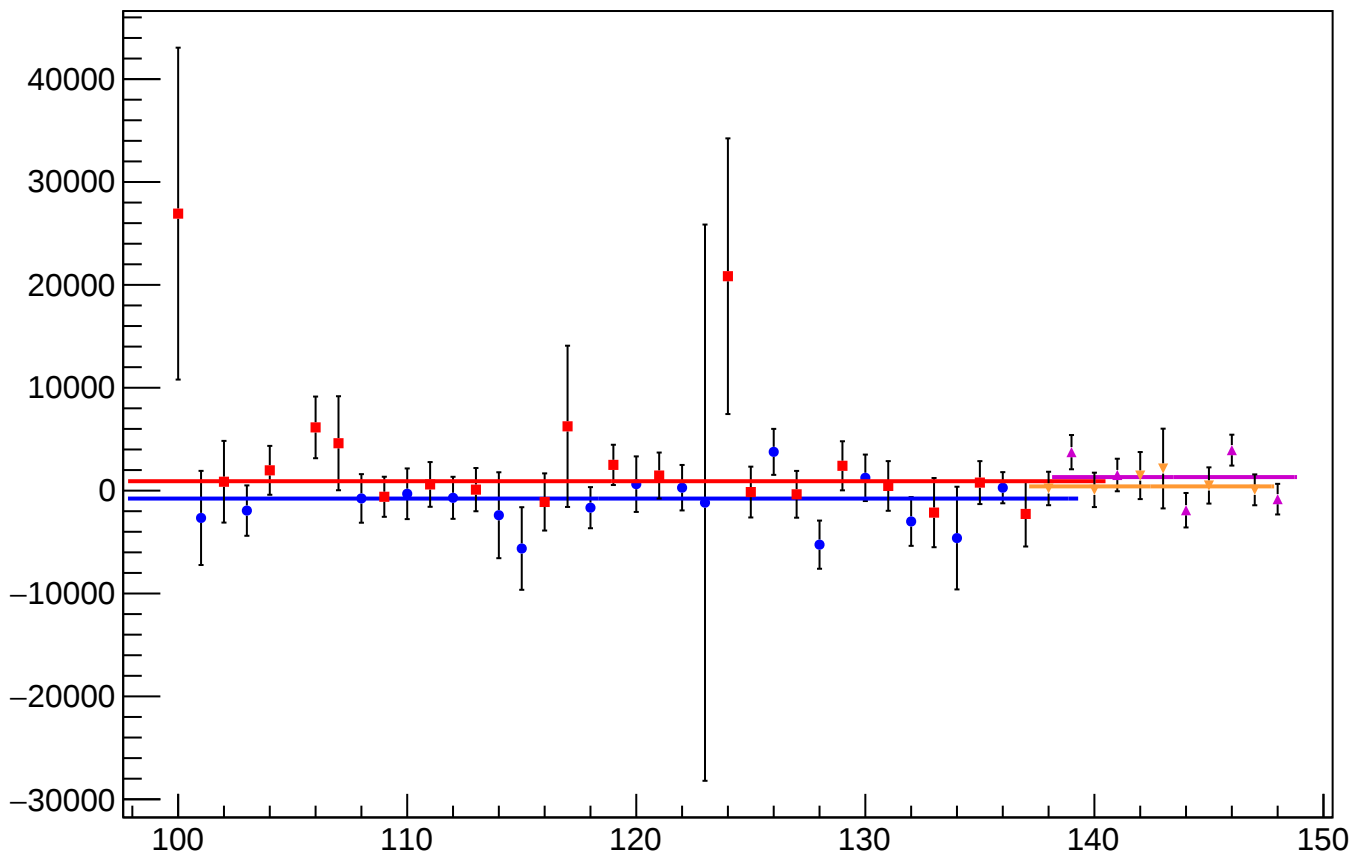
Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

Left In: 4888.329 $\pm$ 1.734 χ^2 /NDF: 119484.3/4

3752.504 $\pm$ 0.859 χ^2 /NDF: 2378210.0/22

3687.411 $\pm$ 0.844 χ^2 /NDF: 2673584.8/24

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 411.549+/-753.678 χ^2/NDF : 0.5/5

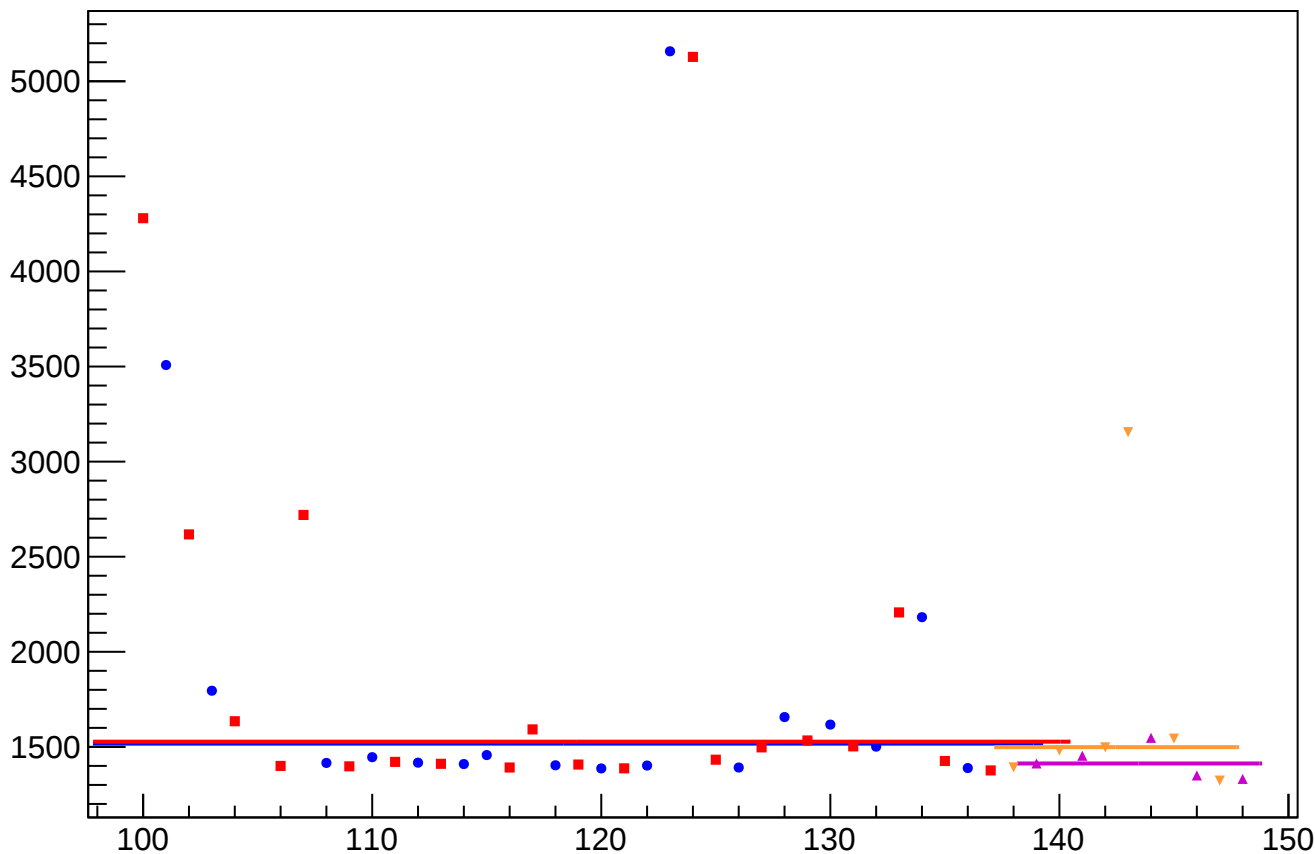
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 1317.502+/-704.969 χ^2/NDF : 11.0/4

-308.913+/-471.174 χ^2/NDF : 15.3/22

1082.422+/-453.956 χ^2/NDF : 25.1/24

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1498.624+/-0.533 χ^2/NDF : 402822.6/5

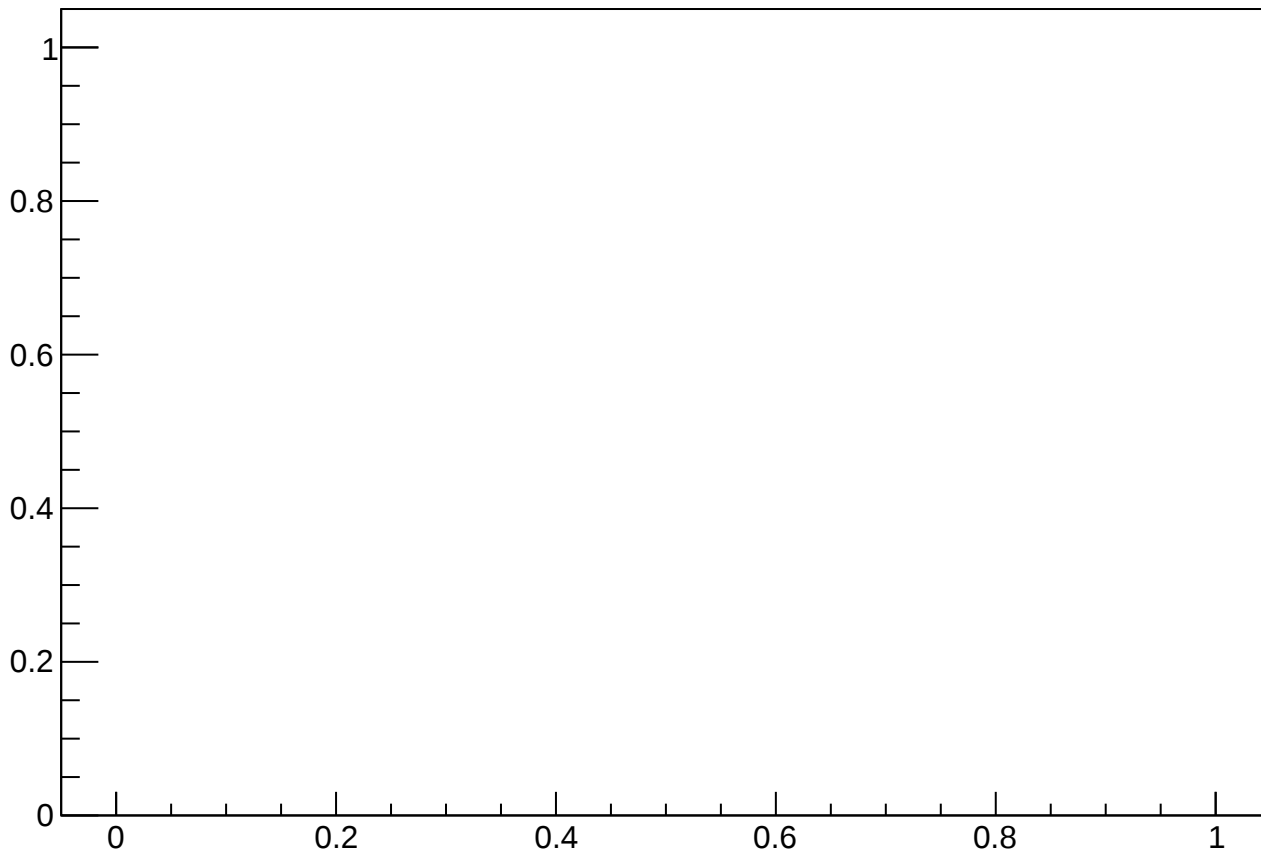
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1412.778+/-0.498 χ^2/NDF : 23734.0/4

1510.022+/-0.333 χ^2/NDF : 940236.2/22

1479.858+/-0.321 χ^2/NDF : 686491.4/24

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



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

0.000+/-0.000 χ^2 /NDF: 0.0/0

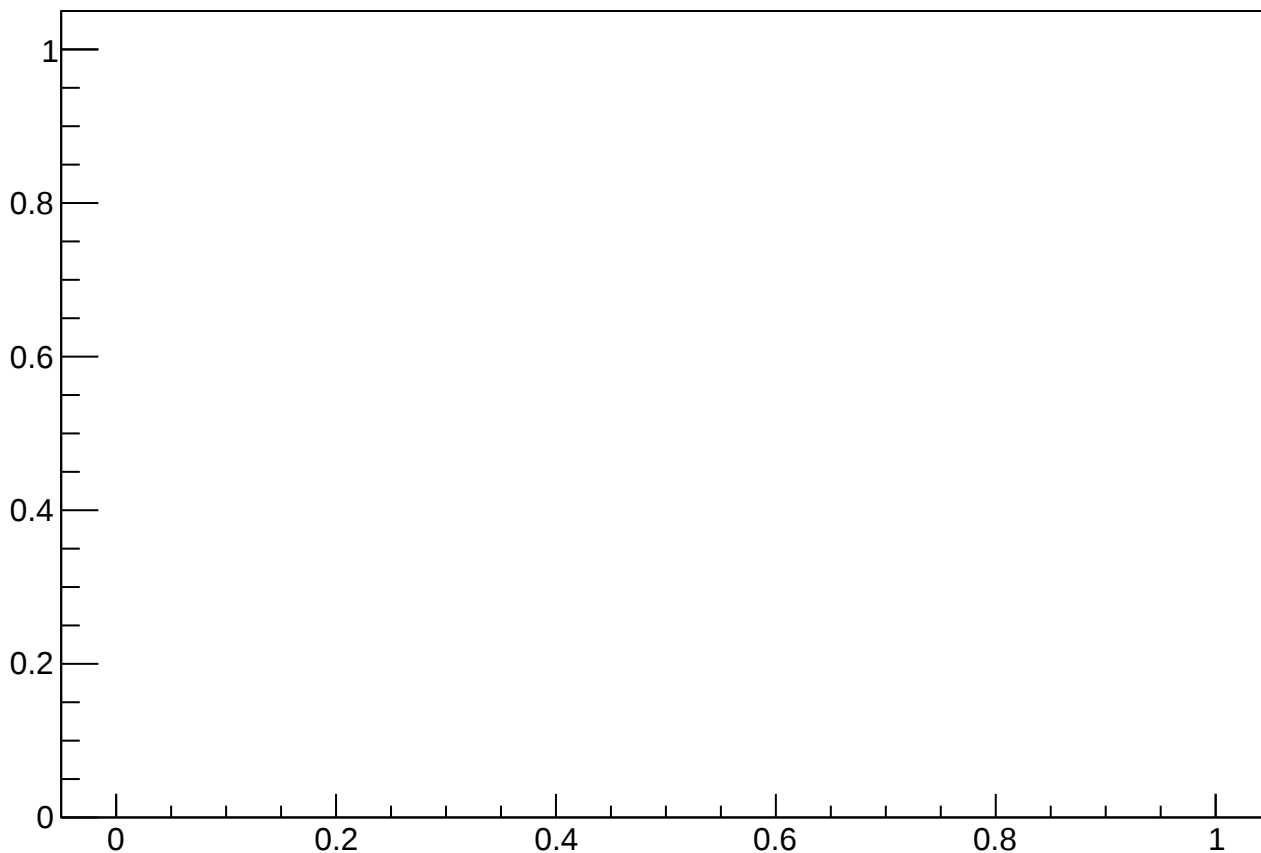
Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



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

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

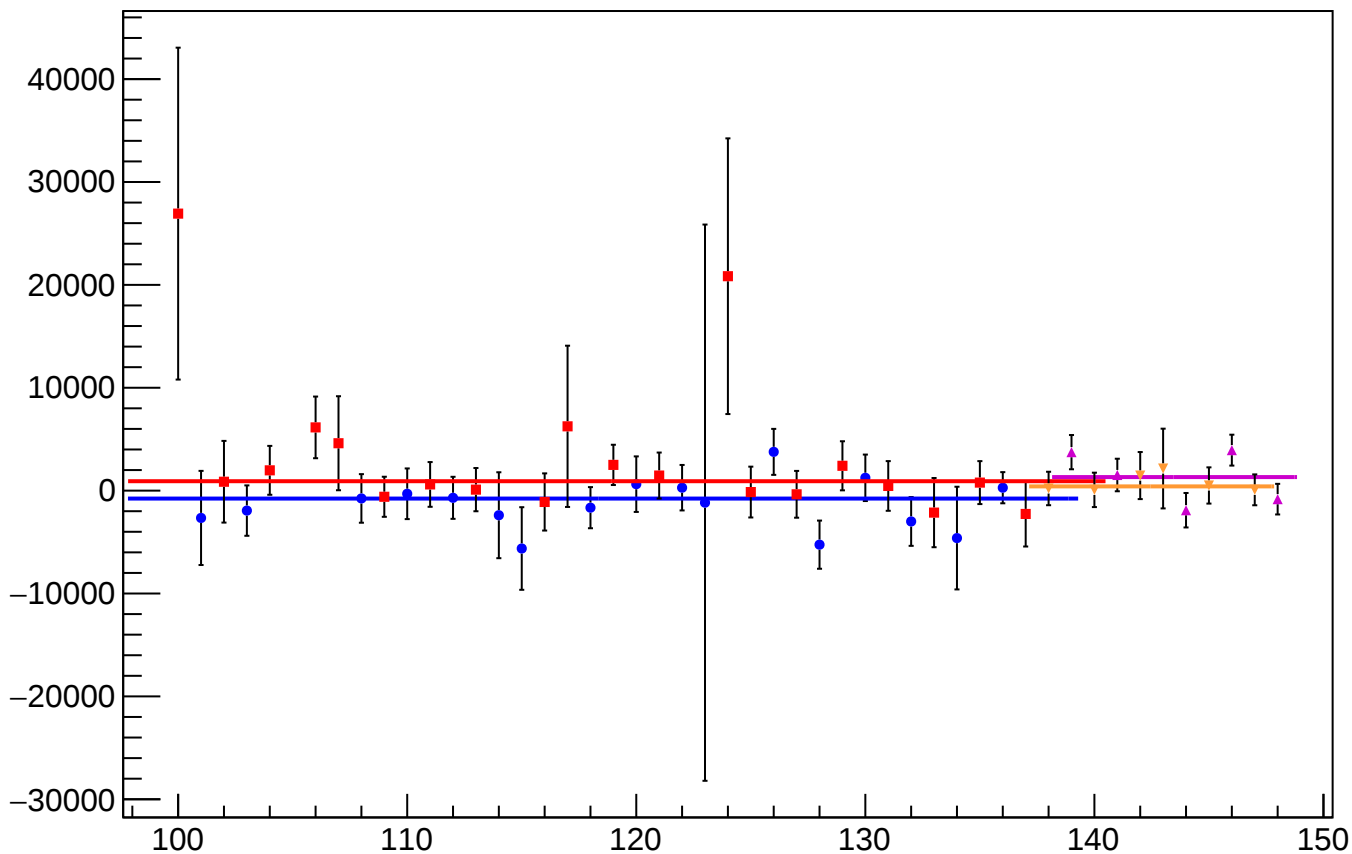
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153 ± 603.689 $\chi^2/\text{NDF}: 13.3/16$

Left Out: 411.549 ± 753.678 $\chi^2/\text{NDF}: 0.5/5$

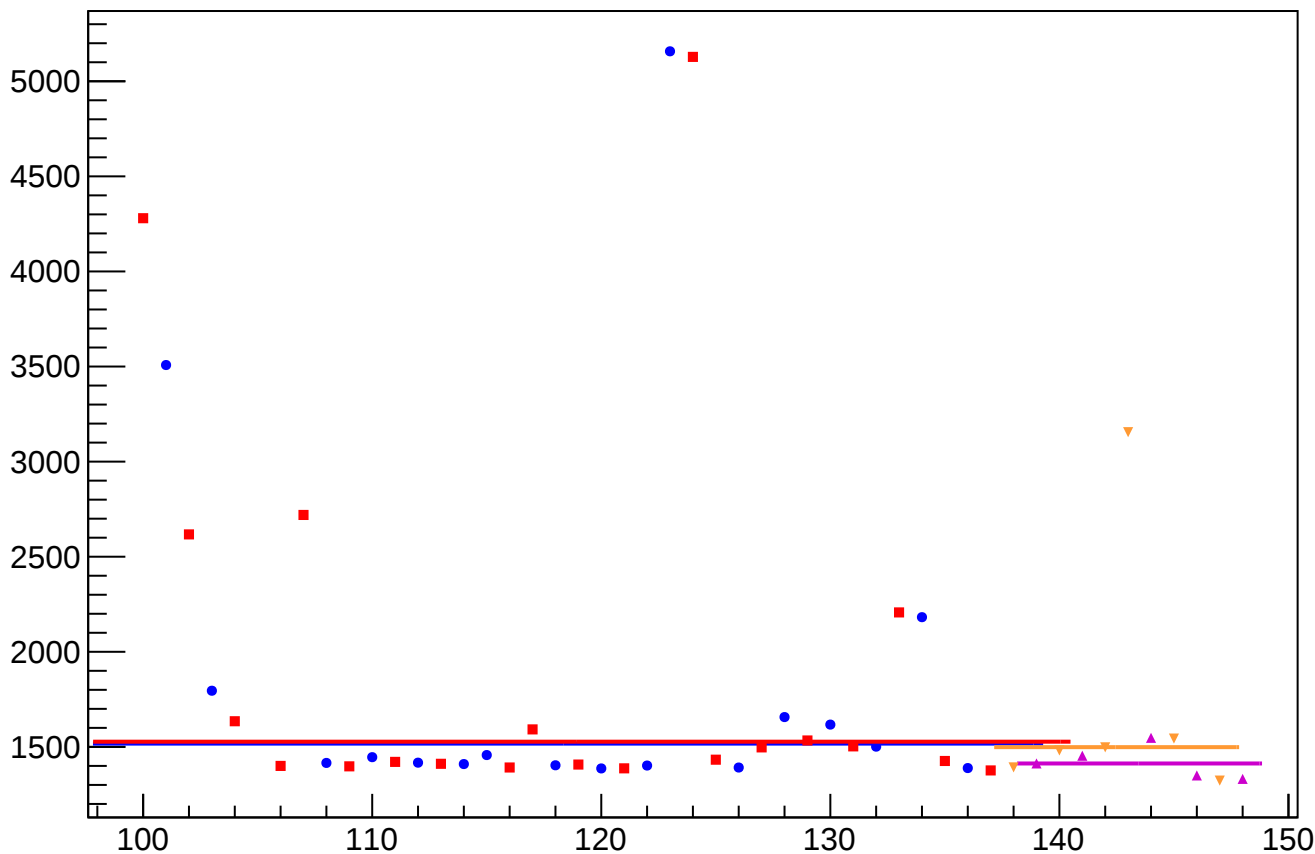
Right Out: 915.893 ± 593.346 $\chi^2/\text{NDF}: 14.0/19$

Left In: 1317.502 ± 704.969 $\chi^2/\text{NDF}: 11.0/4$

-308.913 ± 471.174 $\chi^2/\text{NDF}: 15.3/22$

1082.422 ± 453.956 $\chi^2/\text{NDF}: 25.1/24$

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2 /NDF: 536662.7/16

Left Out: 1498.624+/-0.533 χ^2 /NDF:402822.6/5

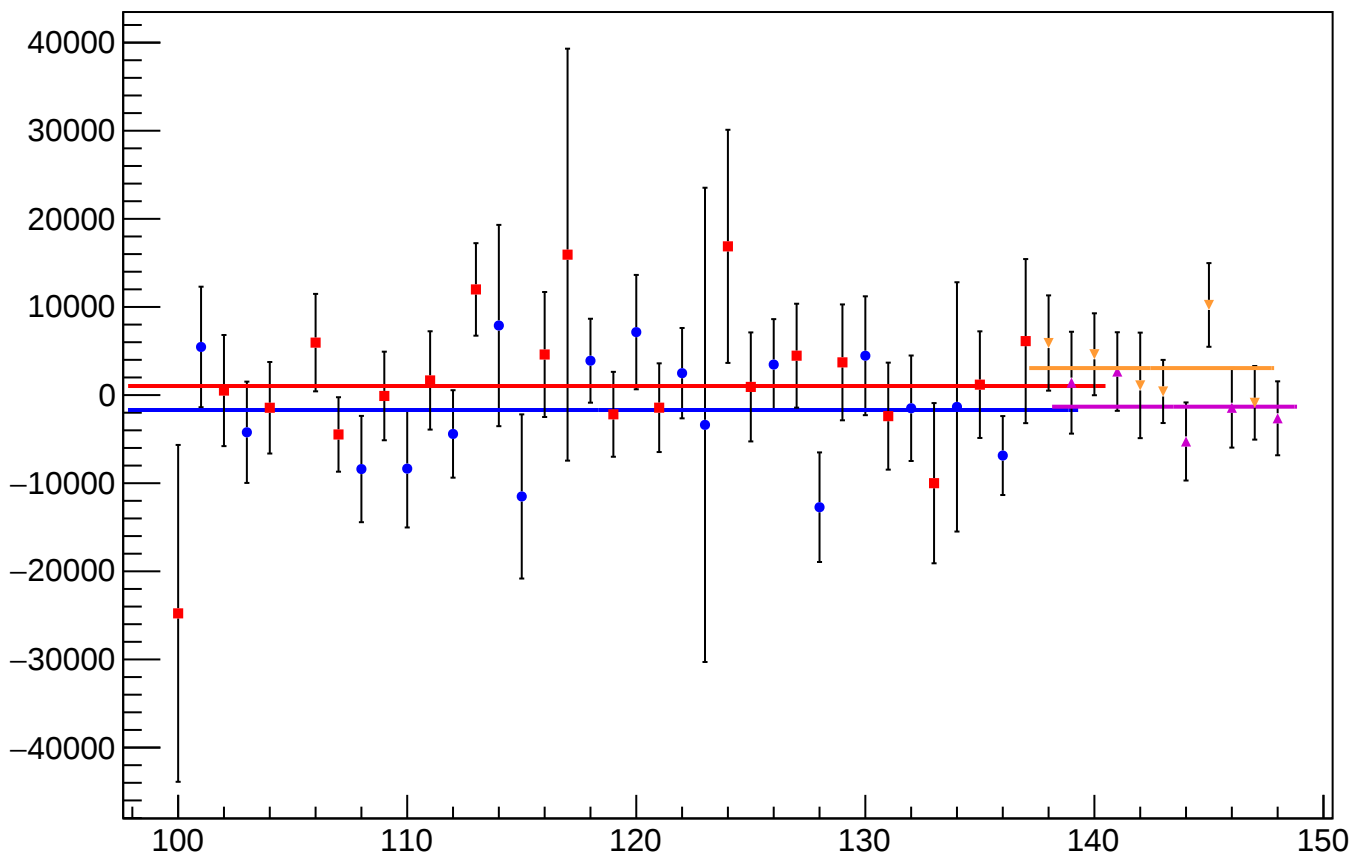
Right Out: 1527.378+/-0.420 χ^2 /NDF: 631820.9/19

Left In: 1412.778+/-0.498 χ^2 /NDF:23734.0/4

1510.022+/-0.333 χ^2 /NDF: 940236.2/22

1479.858+/-0.321 χ^2 /NDF: 686491.4/24

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 3064.381 ± 1863.398 $\chi^2/\text{NDF}: 4.2/5$

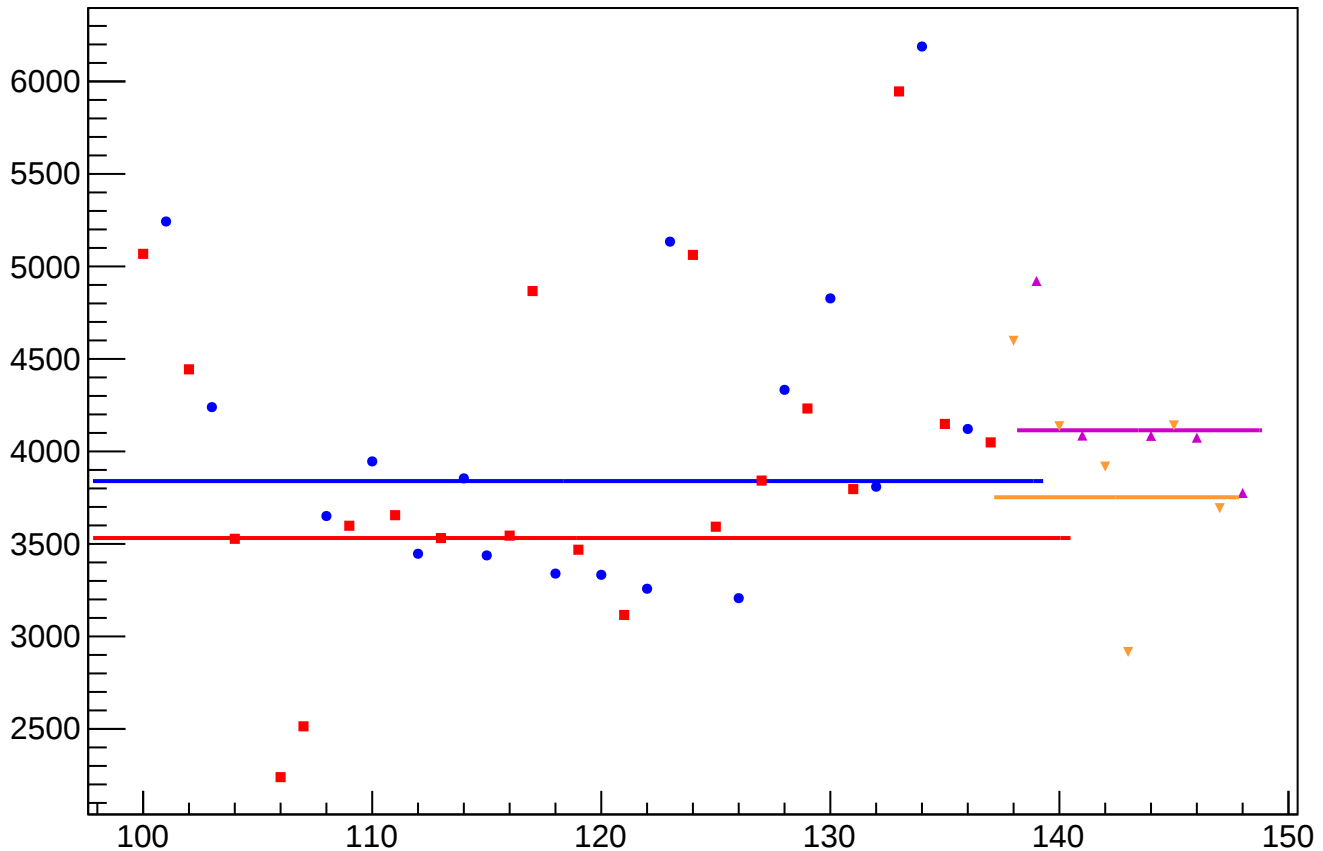
Right Out: 1029.768 ± 1376.481 $\chi^2/\text{NDF}: 14.3/19$

Left In: -1316.576 ± 2054.695 $\chi^2/\text{NDF}: 1.9/4$

197.378 ± 1174.542 $\chi^2/\text{NDF}: 24.0/22$

302.941 ± 1143.582 $\chi^2/\text{NDF}: 17.2/24$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3752.291+/-1.318 χ^2/NDF :186883.3/5

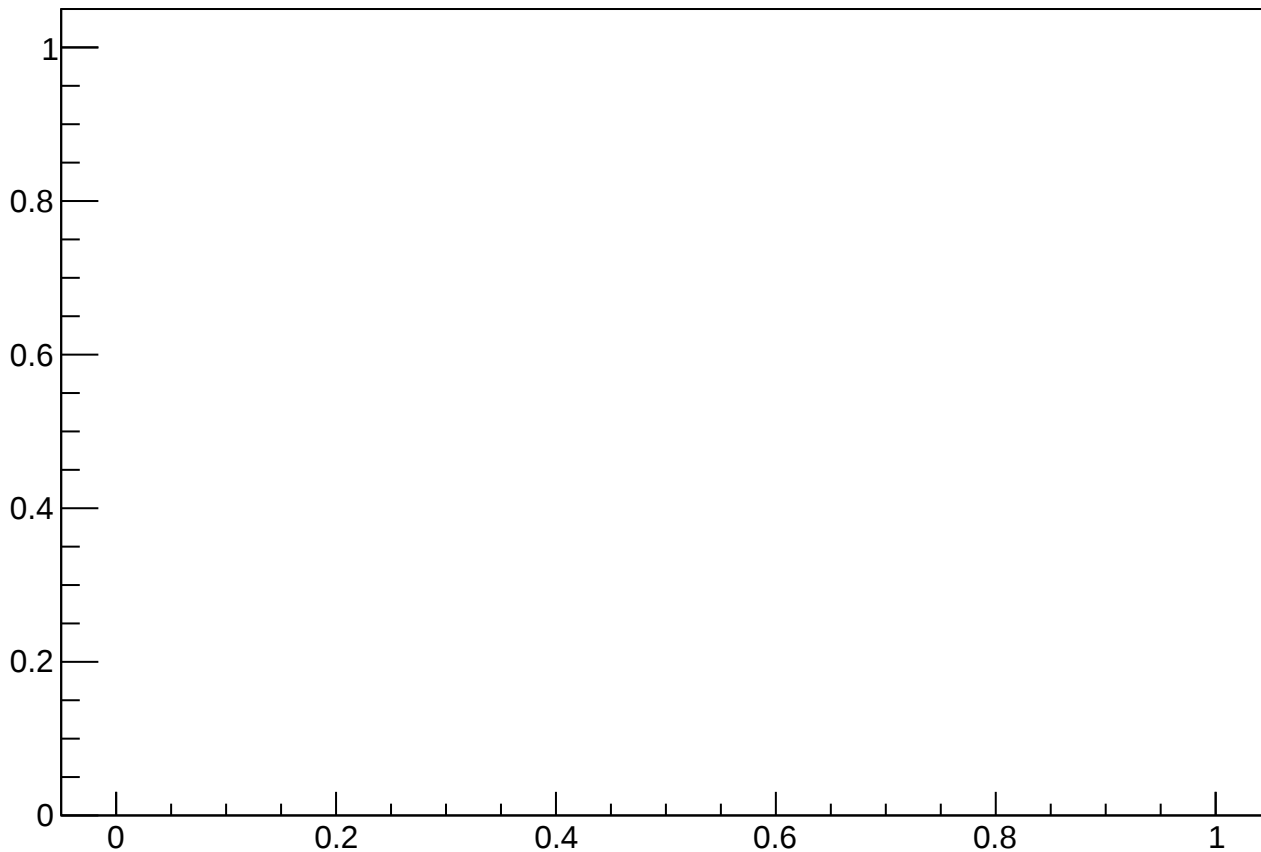
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4114.215+/-1.453 χ^2/NDF :52360.5/4

3805.004+/-0.831 χ^2/NDF : 515498.0/22

3710.013+/-0.804 χ^2/NDF : 725200.0/24

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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

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

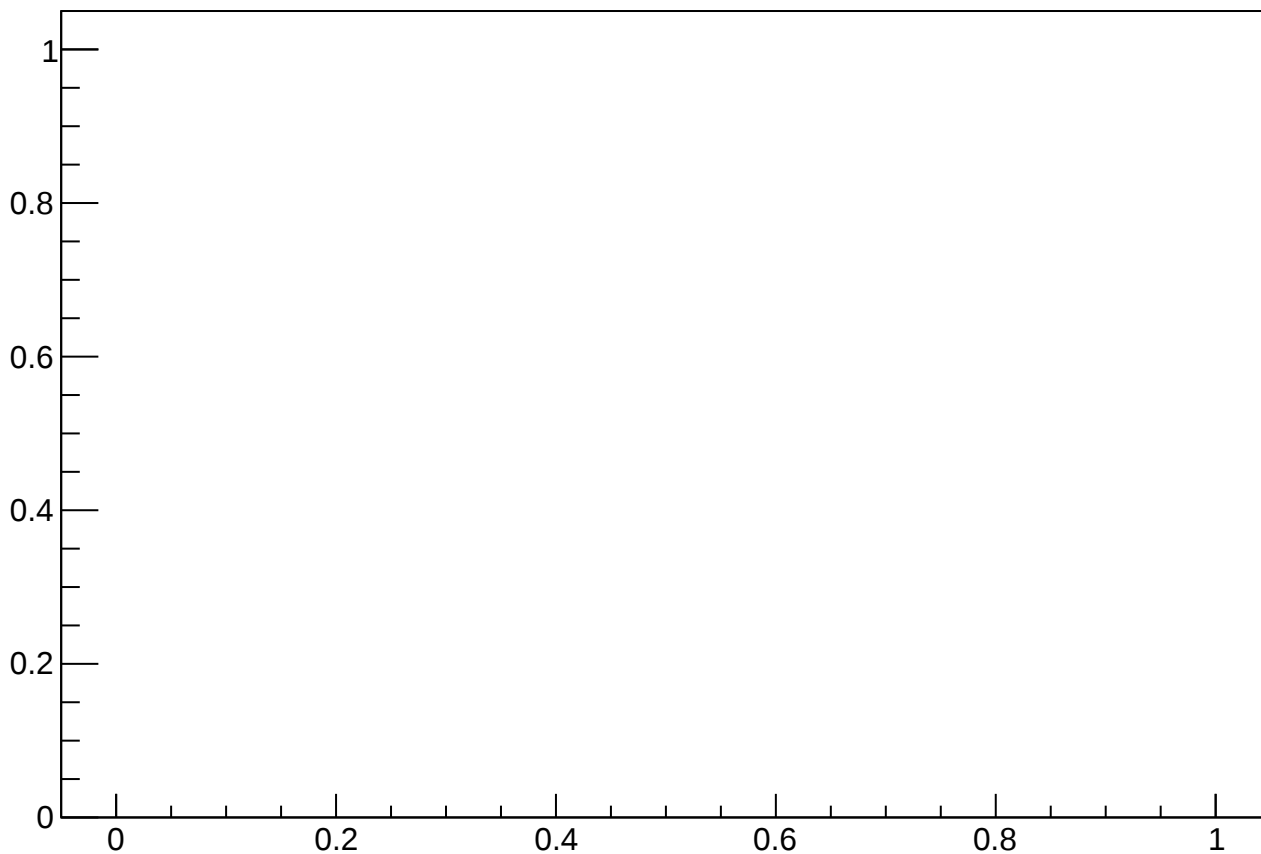
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



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

0.000+/-0.000 χ^2 /NDF: 0.0/0

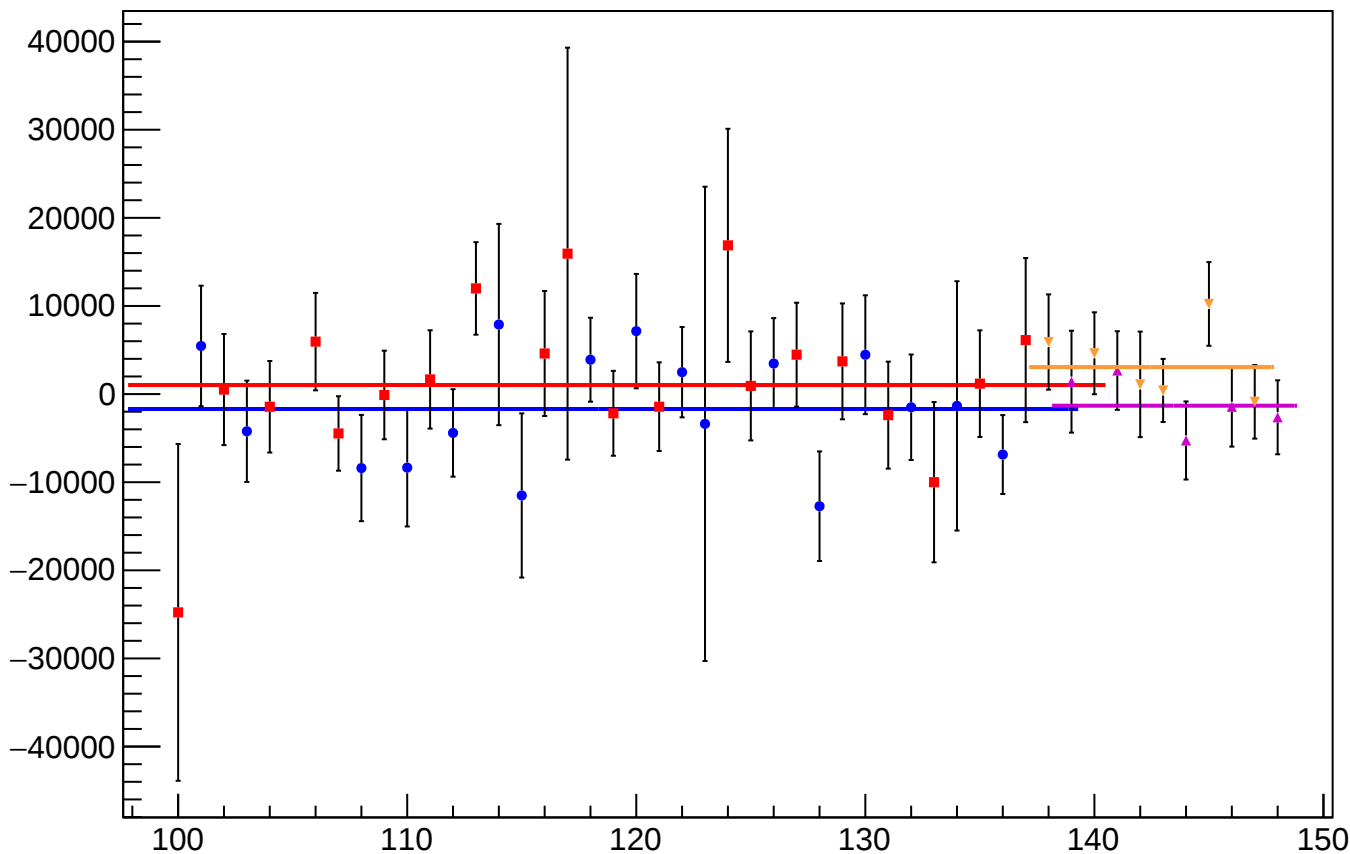
Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 3064.381 ± 1863.398 $\chi^2/\text{NDF}: 4.2/5$

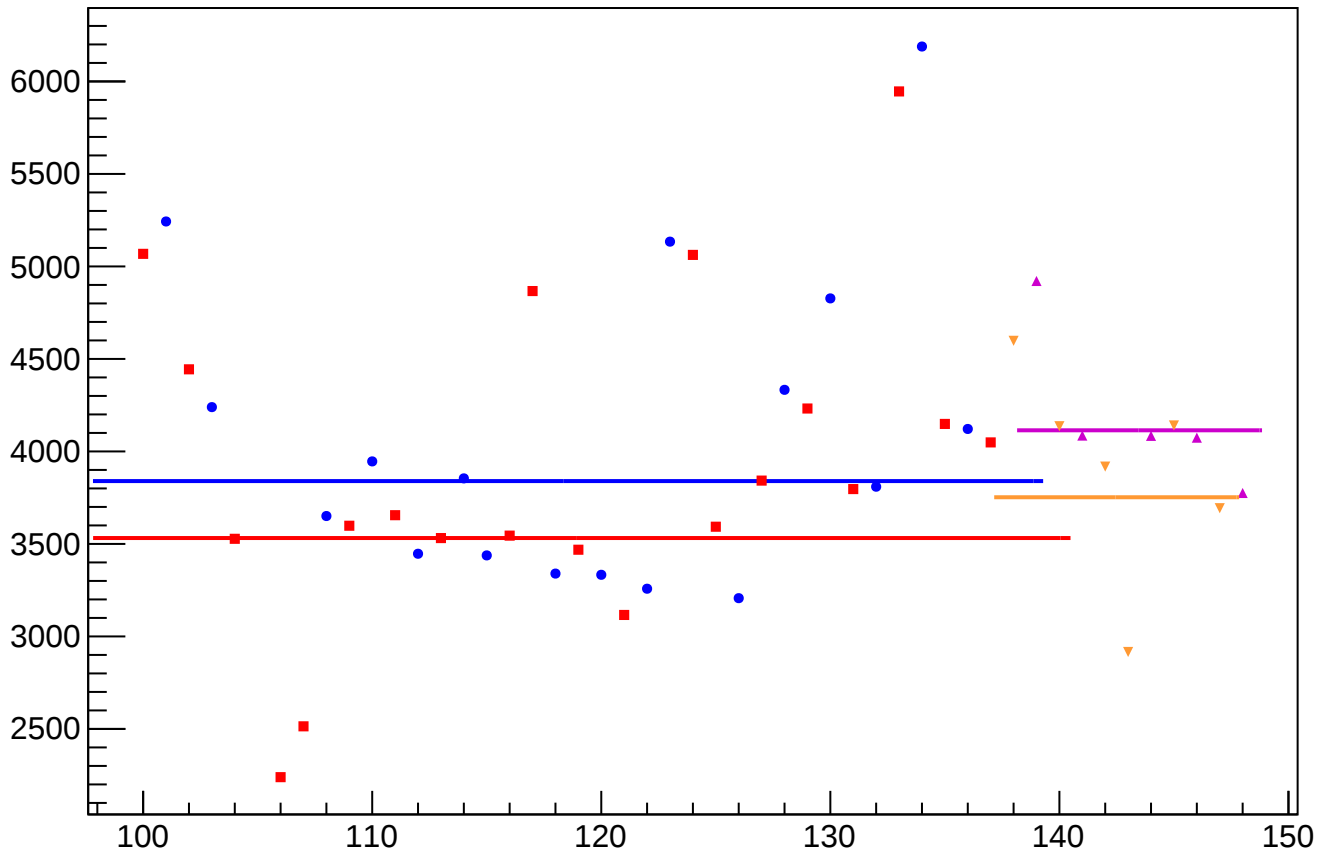
Right Out: 1029.768 ± 1376.481 $\chi^2/\text{NDF}: 14.3/19$

Left In: -1316.576 ± 2054.695 $\chi^2/\text{NDF}: 1.9/4$

197.378 ± 1174.542 $\chi^2/\text{NDF}: 24.0/22$

302.941 ± 1143.582 $\chi^2/\text{NDF}: 17.2/24$

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3752.291+/-1.318 χ^2/NDF :186883.3/5

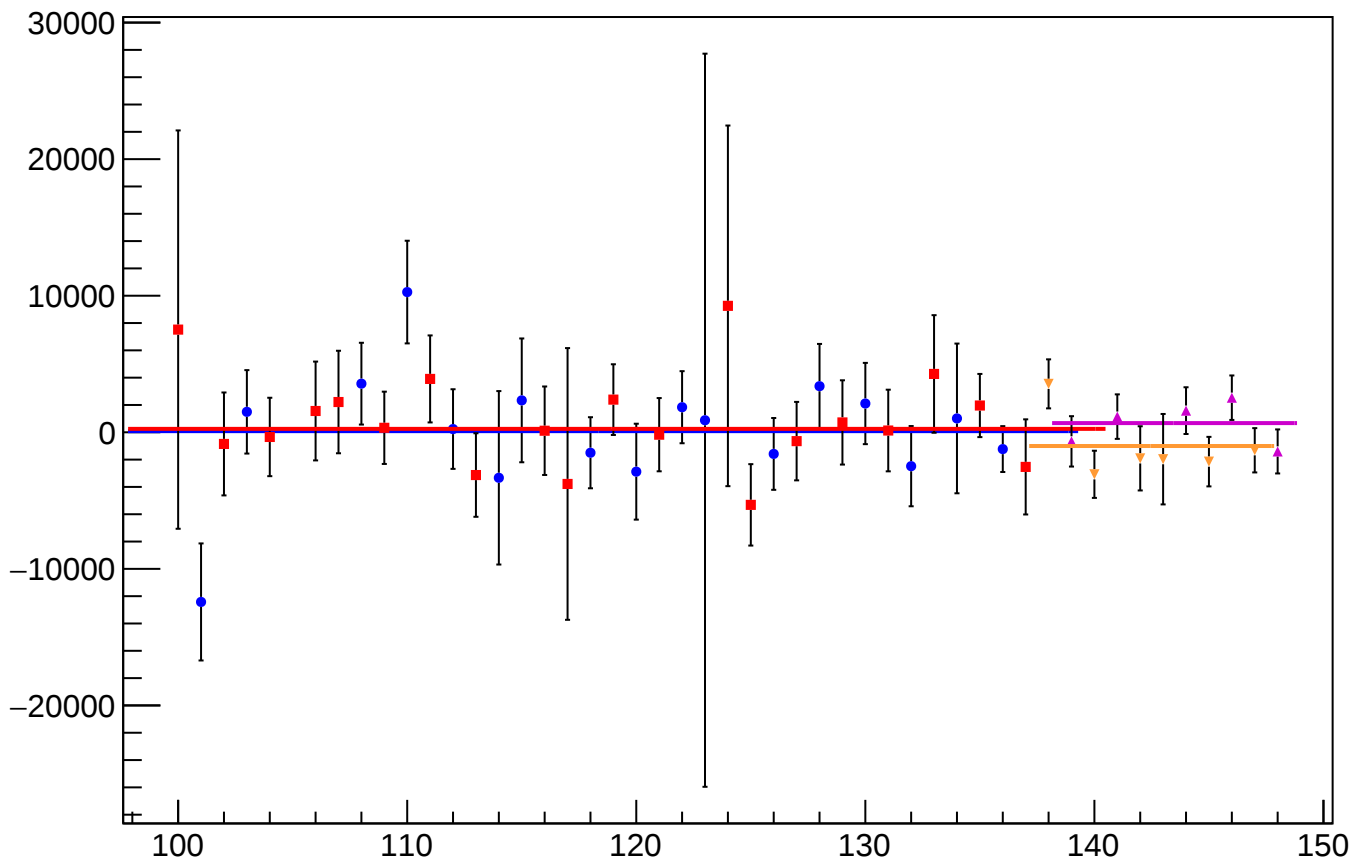
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4114.215+/-1.453 χ^2/NDF :52360.5/4

3805.004+/-0.831 χ^2/NDF : 515498.0/22

3710.013+/-0.804 χ^2/NDF : 725200.0/24

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1005.065 $\pm$ 789.947 χ^2 /NDF: 8.5/5

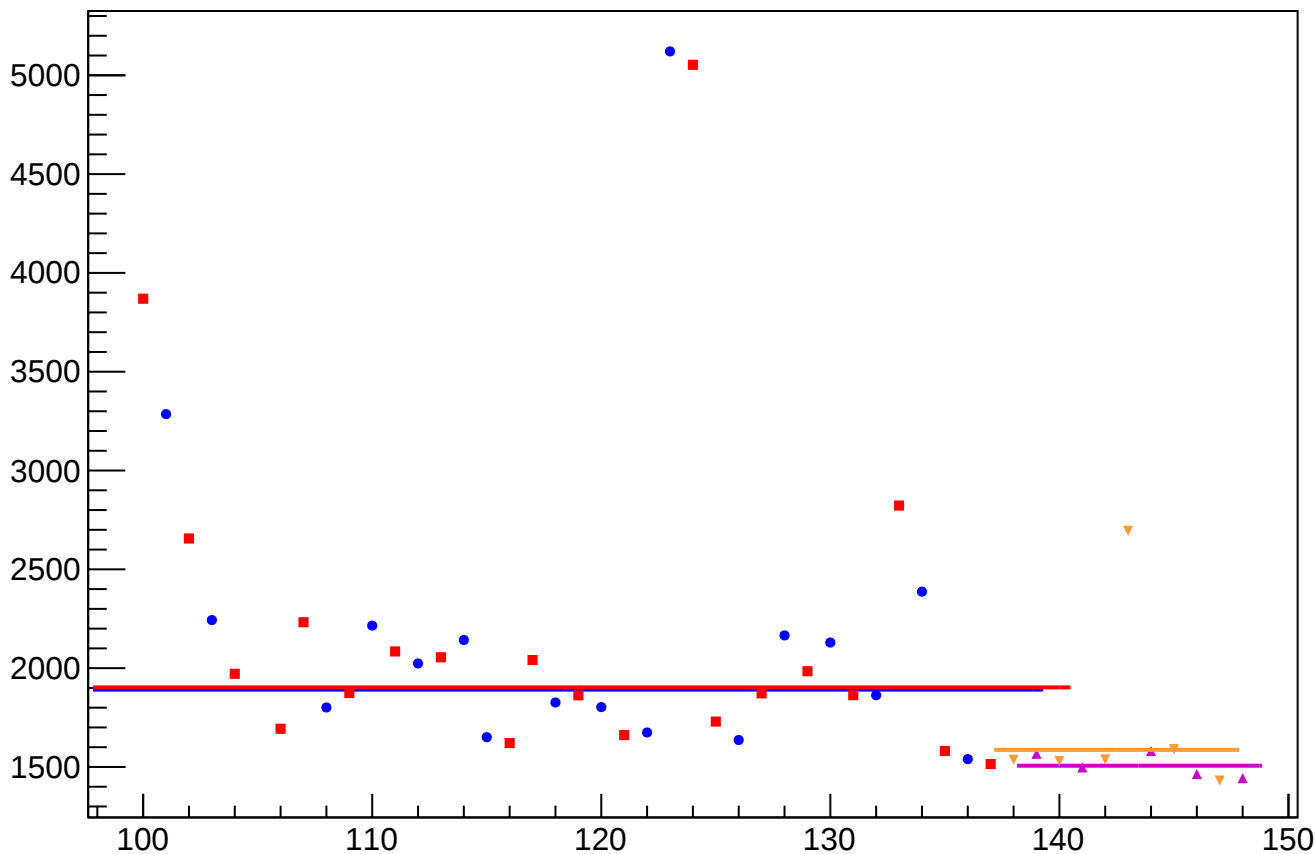
Right Out: 250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

Left In: 673.589 $\pm$ 750.745 χ^2 /NDF: 3.9/4

-432.772 $\pm$ 544.113 χ^2 /NDF: 32.4/22

456.857 $\pm$ 524.149 χ^2 /NDF: 14.4/24

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2 /NDF: 464497.5/16

Left Out: 1586.440+/-0.559 χ^2 /NDF: 246942.8/5

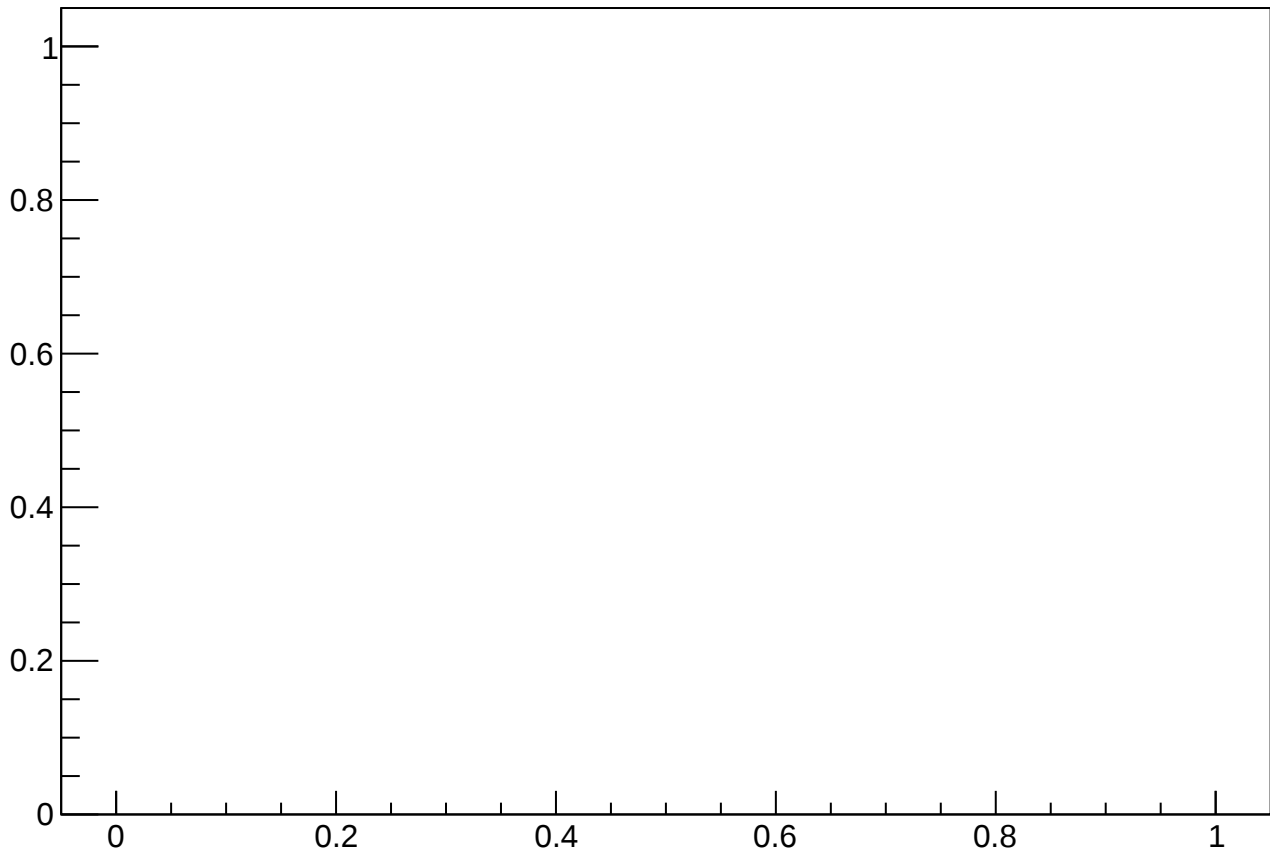
Right Out: 1902.551+/-0.518 χ^2 /NDF: 461077.0/19

Left In: 1506.318+/-0.531 χ^2 /NDF: 10355.9/4

1746.763+/-0.385 χ^2 /NDF: 868190.1/22

1709.412+/-0.371 χ^2 /NDF: 756991.6/24

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



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

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



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

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

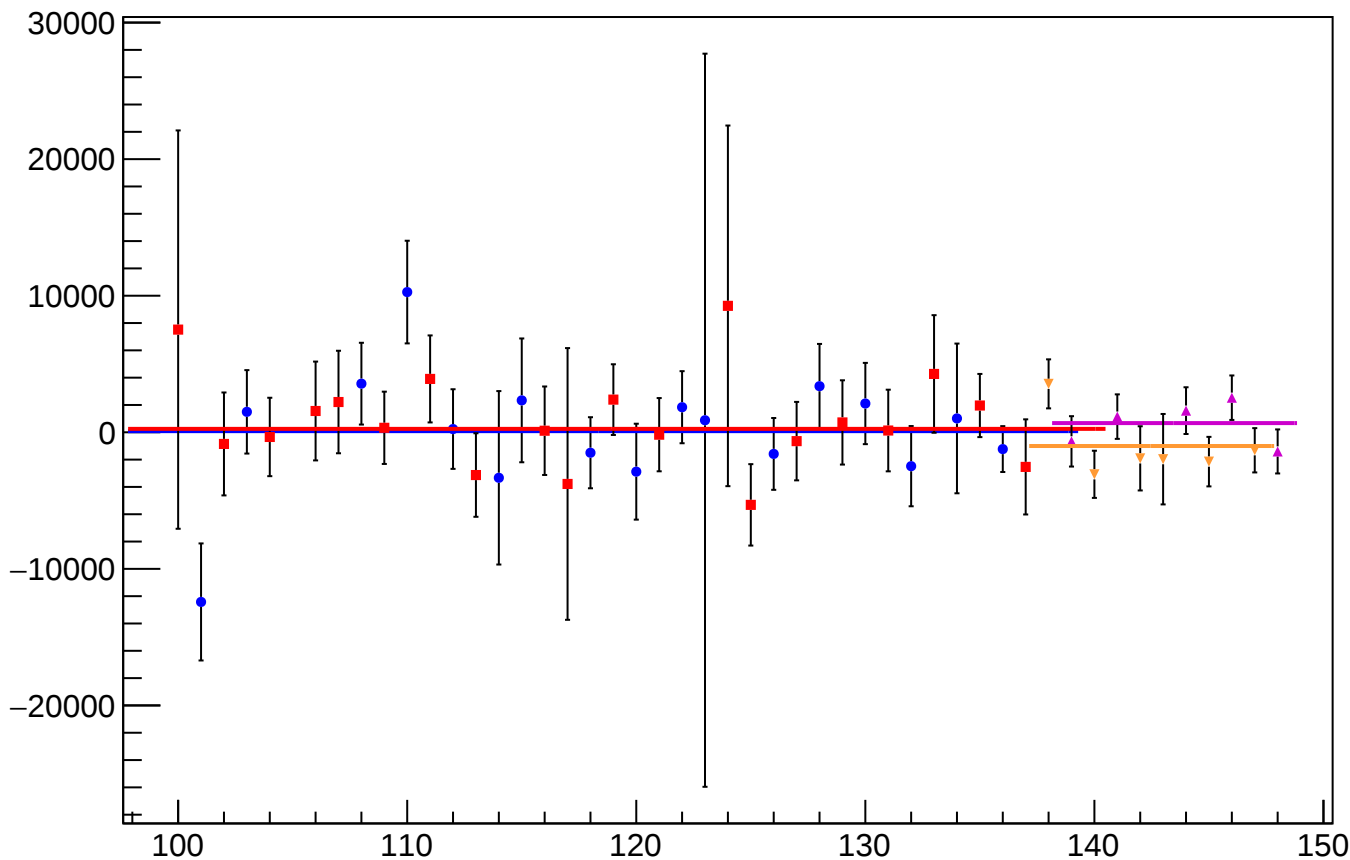
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 ± 750.549 χ^2/NDF : 22.9/16

Left Out: -1005.065 ± 789.947 χ^2/NDF : 8.5/5

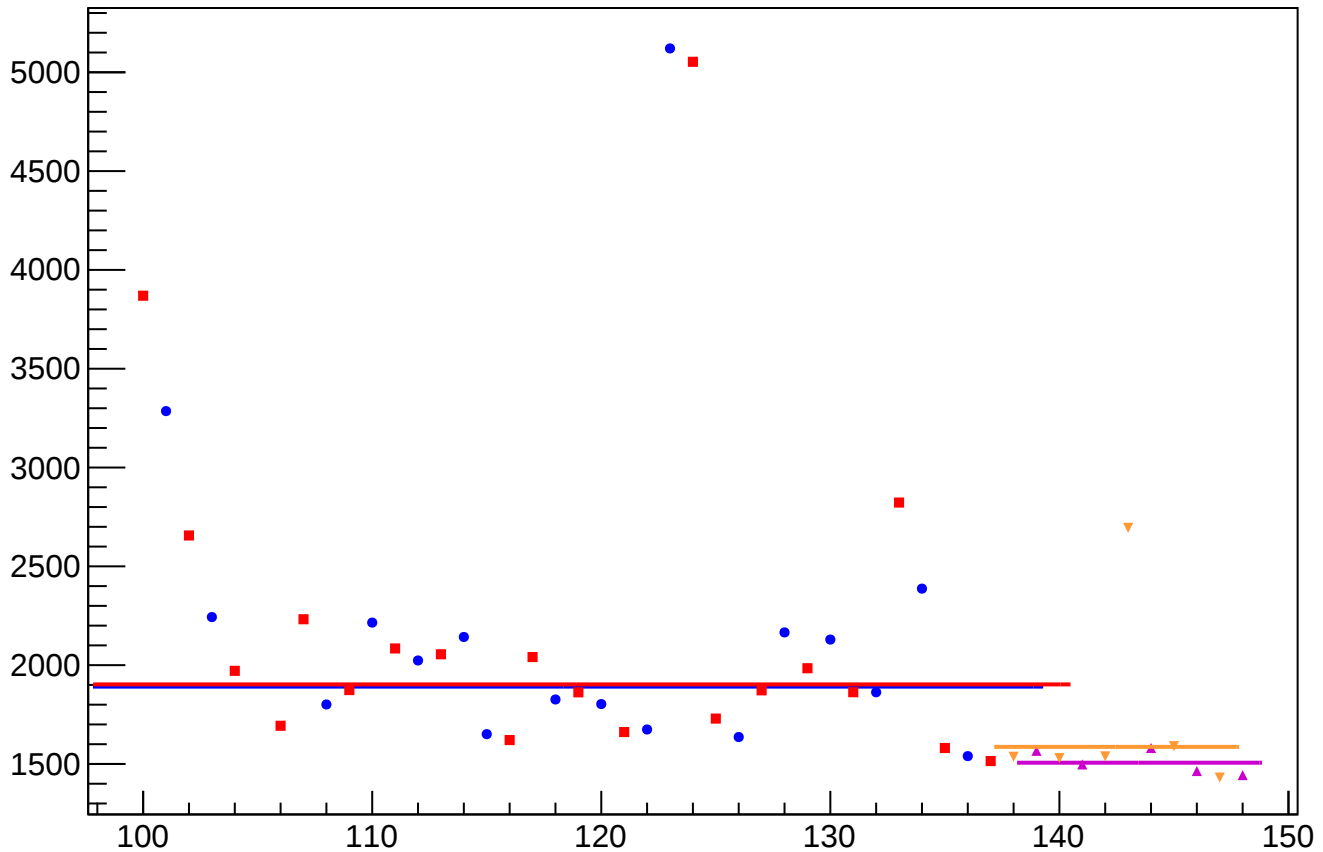
Right Out: 250.743 ± 732.124 χ^2/NDF : 10.3/19

Left In: 673.589 ± 750.745 χ^2/NDF : 3.9/4

-432.772 ± 544.113 χ^2/NDF : 32.4/22

456.857 ± 524.149 χ^2/NDF : 14.4/24

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1586.440+/-0.559 χ^2/NDF : 246942.8/5

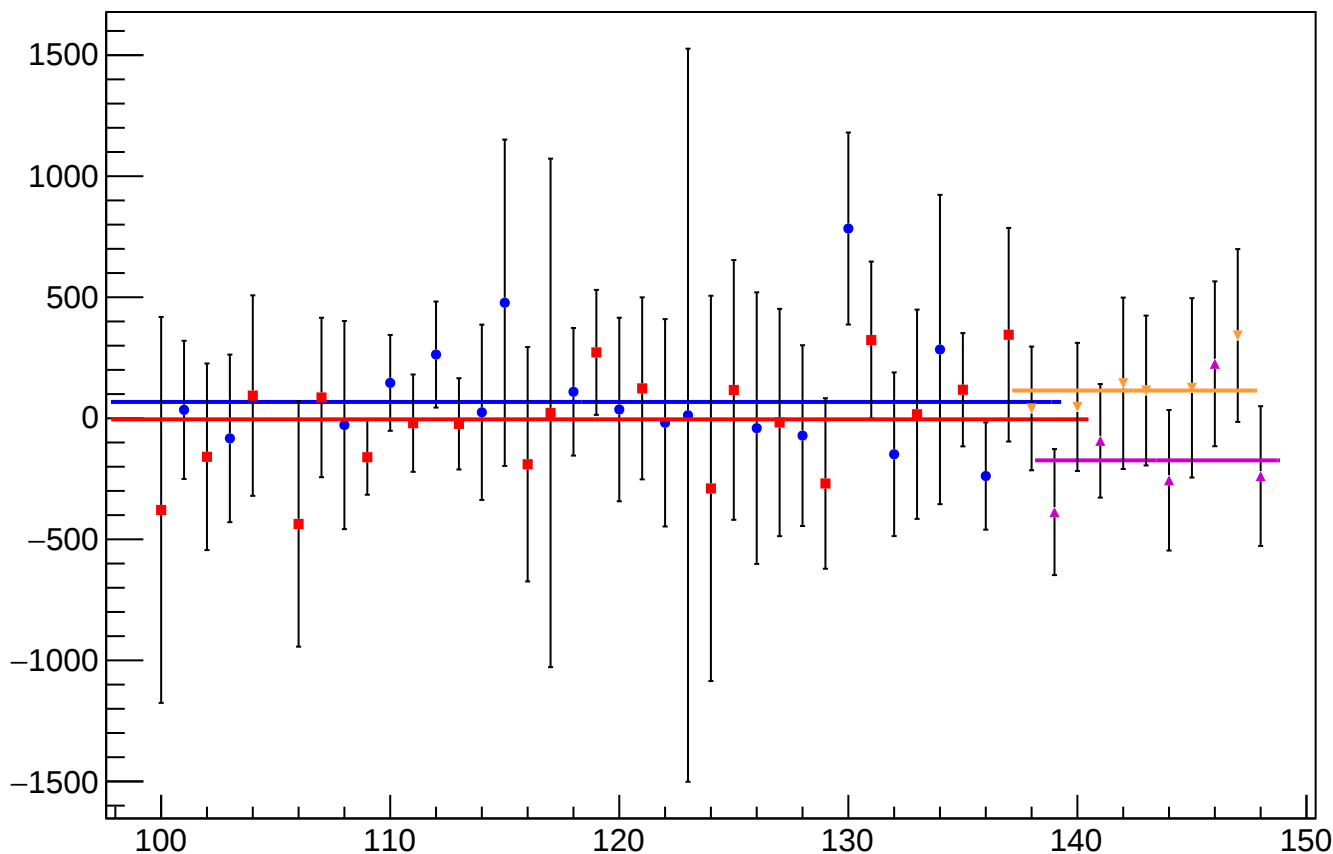
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1506.318+/-0.531 χ^2/NDF : 10355.9/4

1746.763+/-0.385 χ^2/NDF : 868190.1/22

1709.412+/-0.371 χ^2/NDF : 756991.6/24

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 114.722 $\pm$ 125.851 χ^2 /NDF: 0.6/5

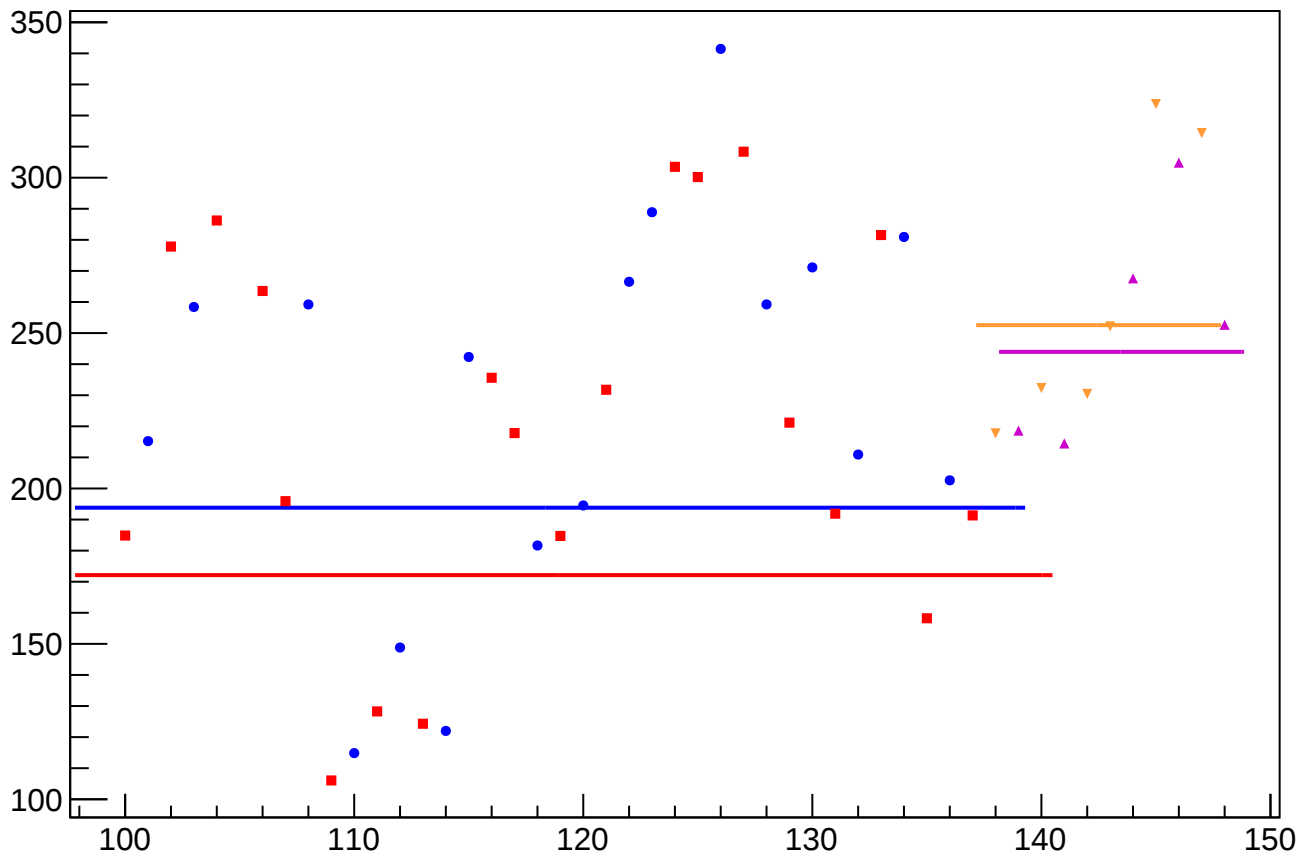
Right Out: -4.305 $\pm$ 69.854 χ^2 /NDF: 6.4/19

Left In: -173.777 $\pm$ 123.628 χ^2 /NDF: 2.3/4

81.025 $\pm$ 67.278 χ^2 /NDF: 8.2/22

-45.317 $\pm$ 60.817 χ^2 /NDF: 10.1/24

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 252.555+/-0.089 χ^2/NDF :190331.0/5

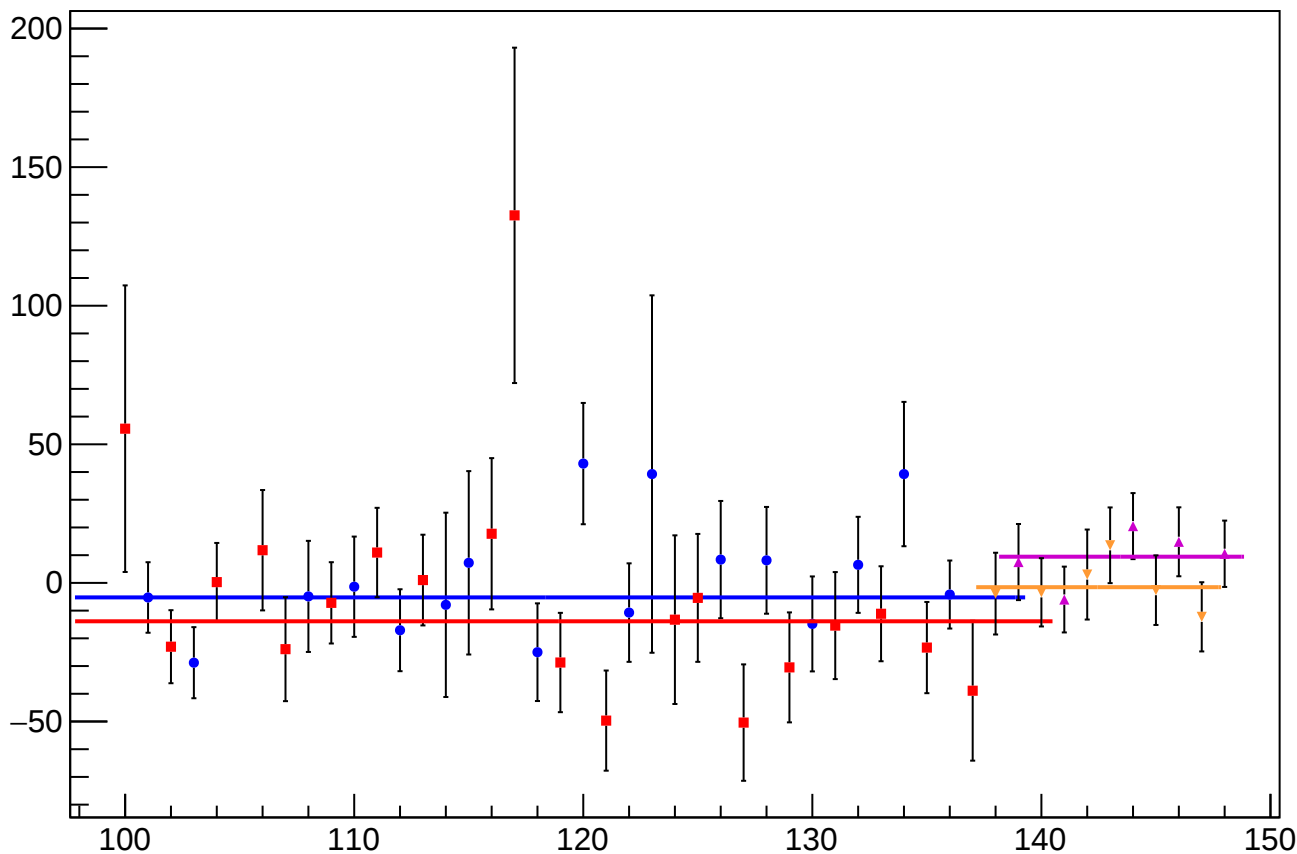
Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

Left In: 243.962+/-0.087 χ^2/NDF :129547.6/4

210.602+/-0.048 χ^2/NDF : 1511836.6/22

189.508+/-0.043 χ^2/NDF : 2222326.2/24

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 $\pm$ 4.356 χ^2/NDF : 15.5/16

Left Out: -1.547 $\pm$ 5.496 χ^2/NDF : 2.1/5

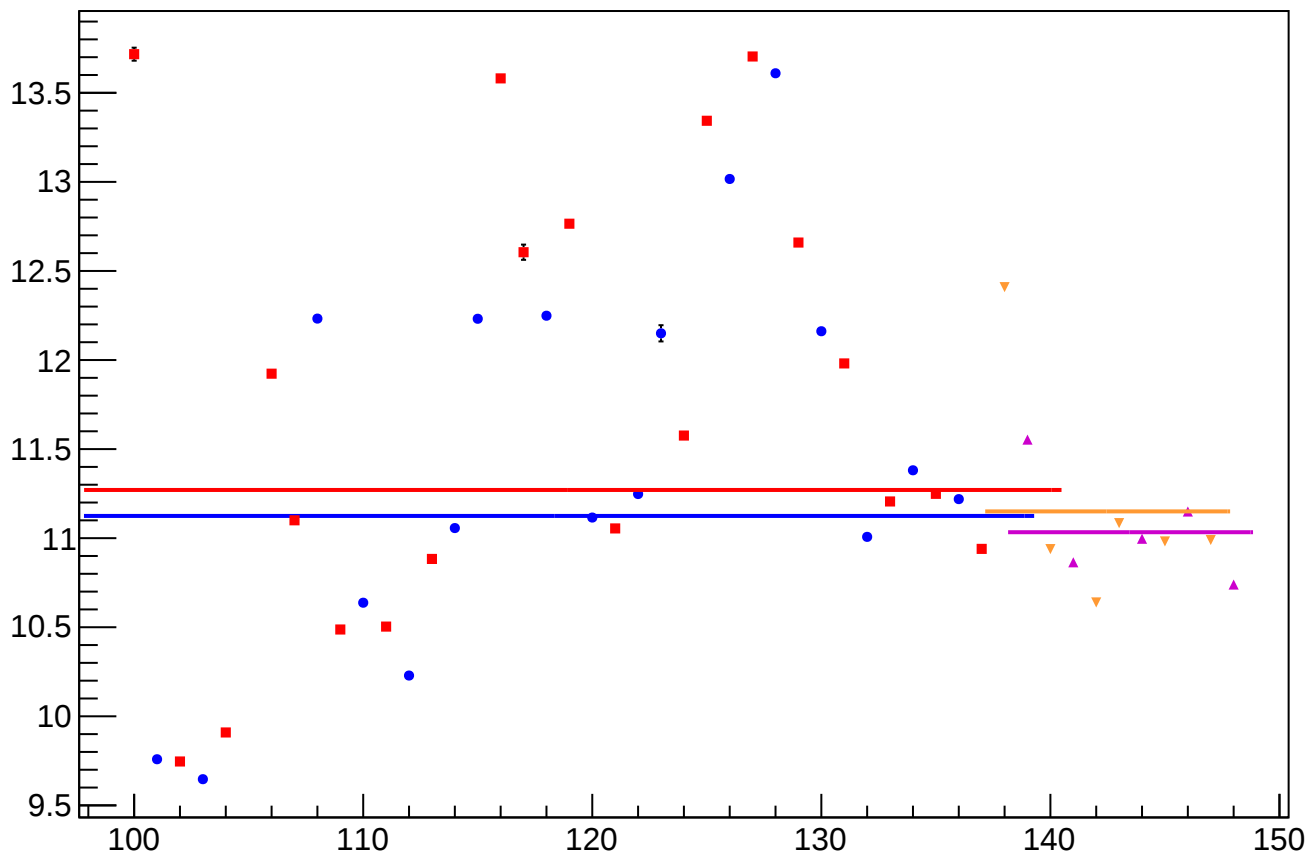
Right Out: -13.851 $\pm$ 4.255 χ^2/NDF : 25.4/19

Left In: 9.452 $\pm$ 5.514 χ^2/NDF : 2.8/4

-3.809 $\pm$ 3.414 χ^2/NDF : 17.9/22

-5.155 $\pm$ 3.368 χ^2/NDF : 39.4/24

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 ± 0.003 χ^2/NDF : 132520.1/16

Left Out: 11.150 ± 0.004 χ^2/NDF : 17881.6/5

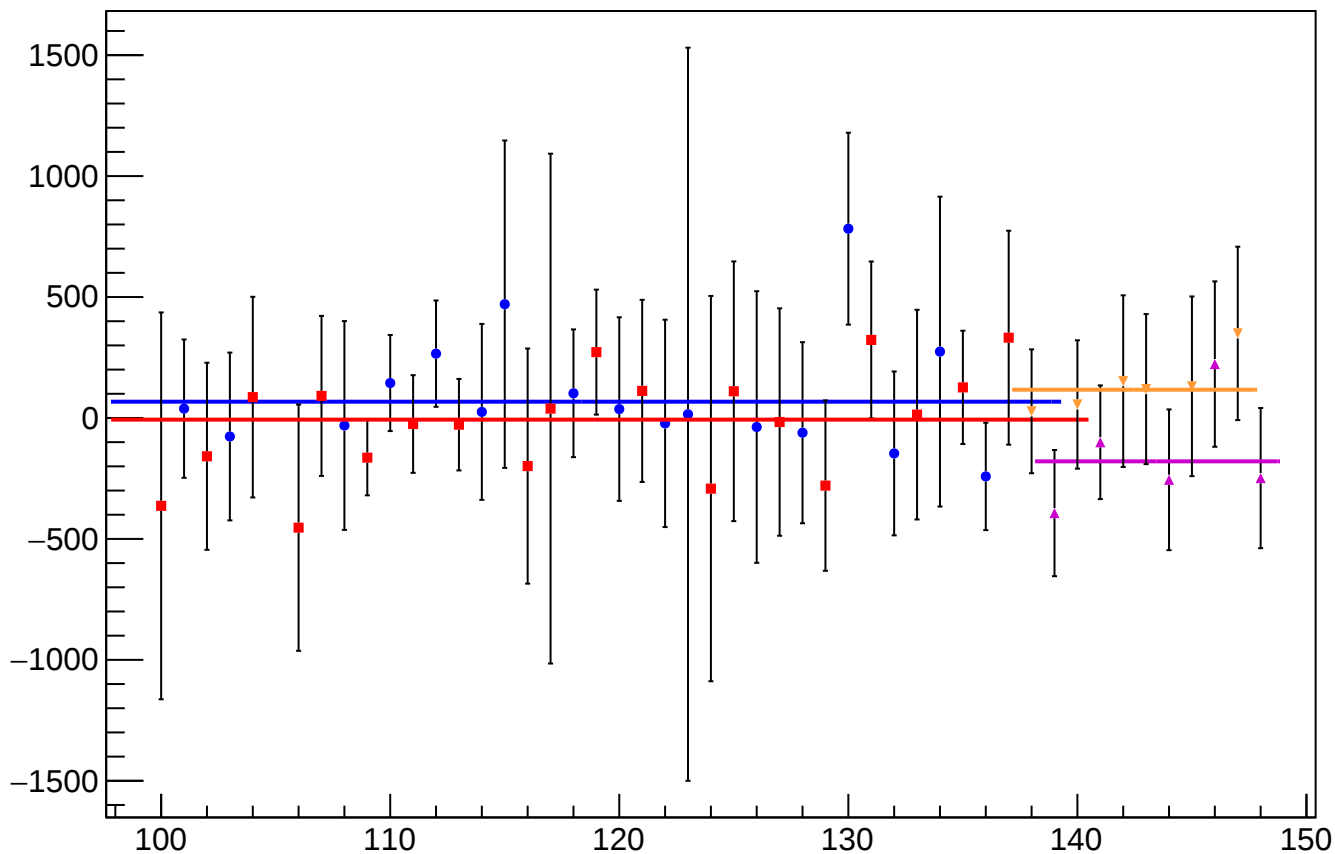
Right Out: 11.271 ± 0.003 χ^2/NDF : 148711.4/19

Left In: 11.033 ± 0.004 χ^2/NDF : 4671.2/4

11.135 ± 0.002 χ^2/NDF : 150428.0/22

11.182 ± 0.002 χ^2/NDF : 155702.0/24

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 116.742+/-126.175 χ^2/NDF : 0.6/5

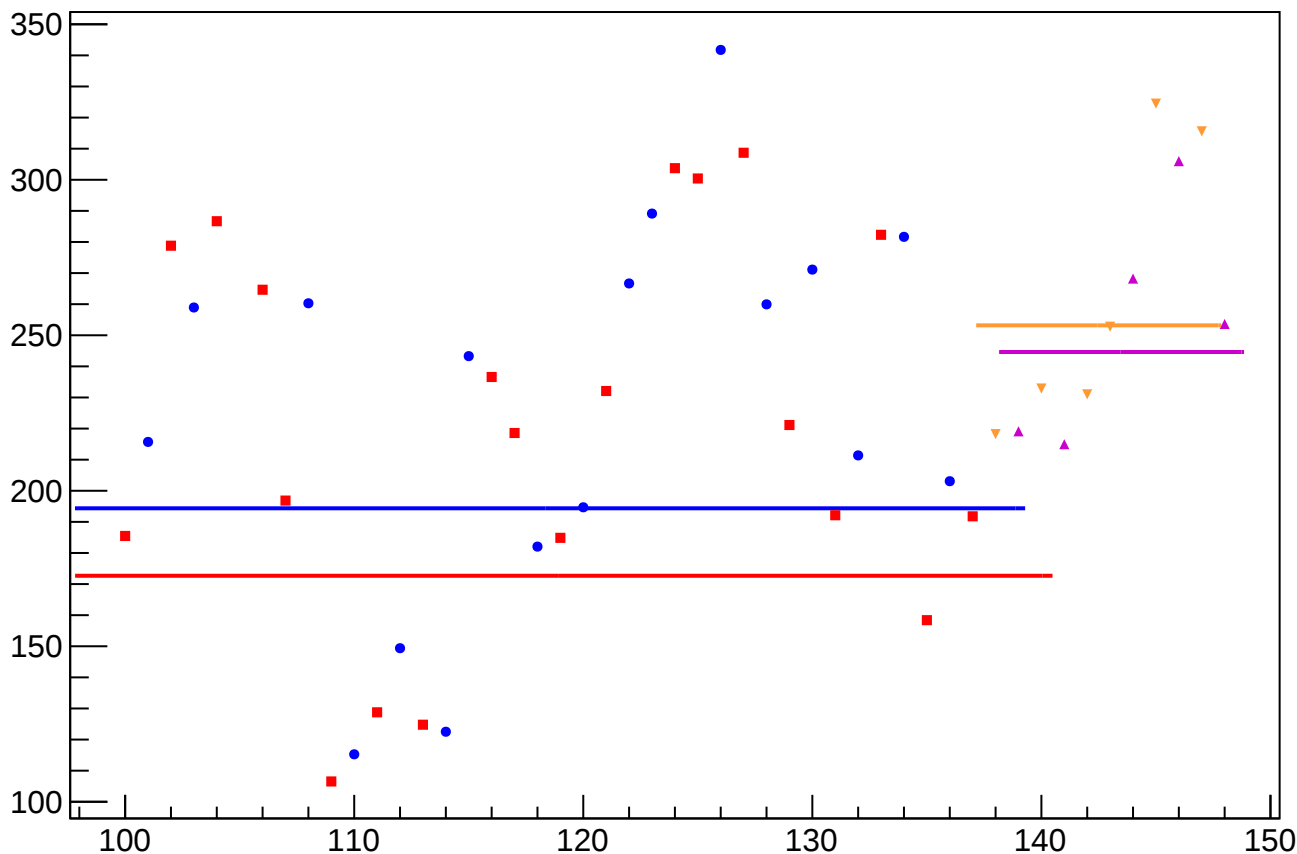
Right Out: -6.837+/-70.057 χ^2/NDF : 6.4/19

Left In: -179.289+/-123.972 χ^2/NDF : 2.3/4

81.434+/-67.454 χ^2/NDF : 8.2/22

-48.578+/-60.992 χ^2/NDF : 10.2/24

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365+/-0.056 χ^2/NDF : 1005234.4/16

Left Out: 253.192+/-0.089 χ^2/NDF : 191116.2/5

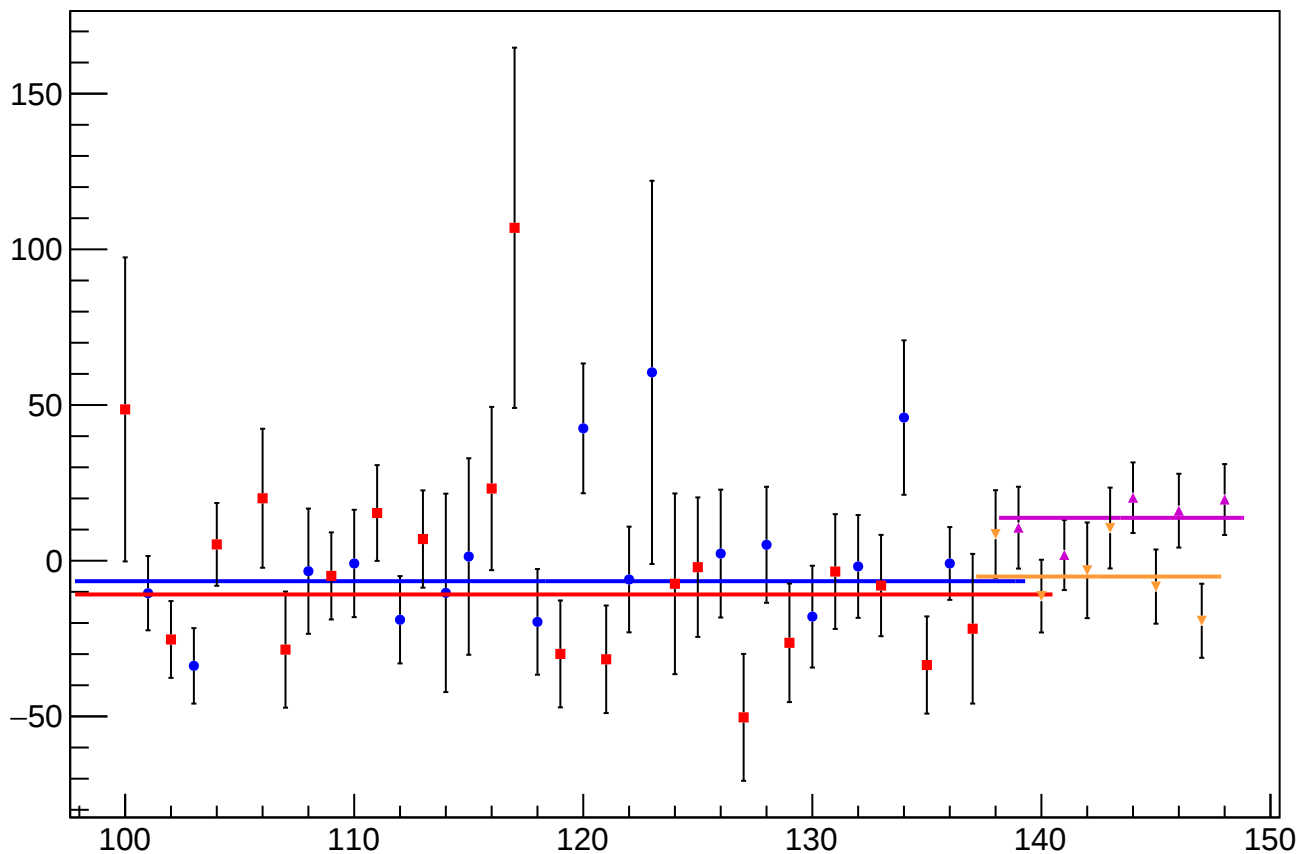
Right Out: 172.675+/-0.050 χ^2/NDF : 1573459.1/19

Left In: 244.623+/-0.088 χ^2/NDF : 130490.8/4

211.178+/-0.048 χ^2/NDF : 1506848.1/22

190.090+/-0.043 χ^2/NDF : 2214530.7/24

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

-5.997 ± 3.253 $\chi^2/\text{NDF}: 23.6/22$

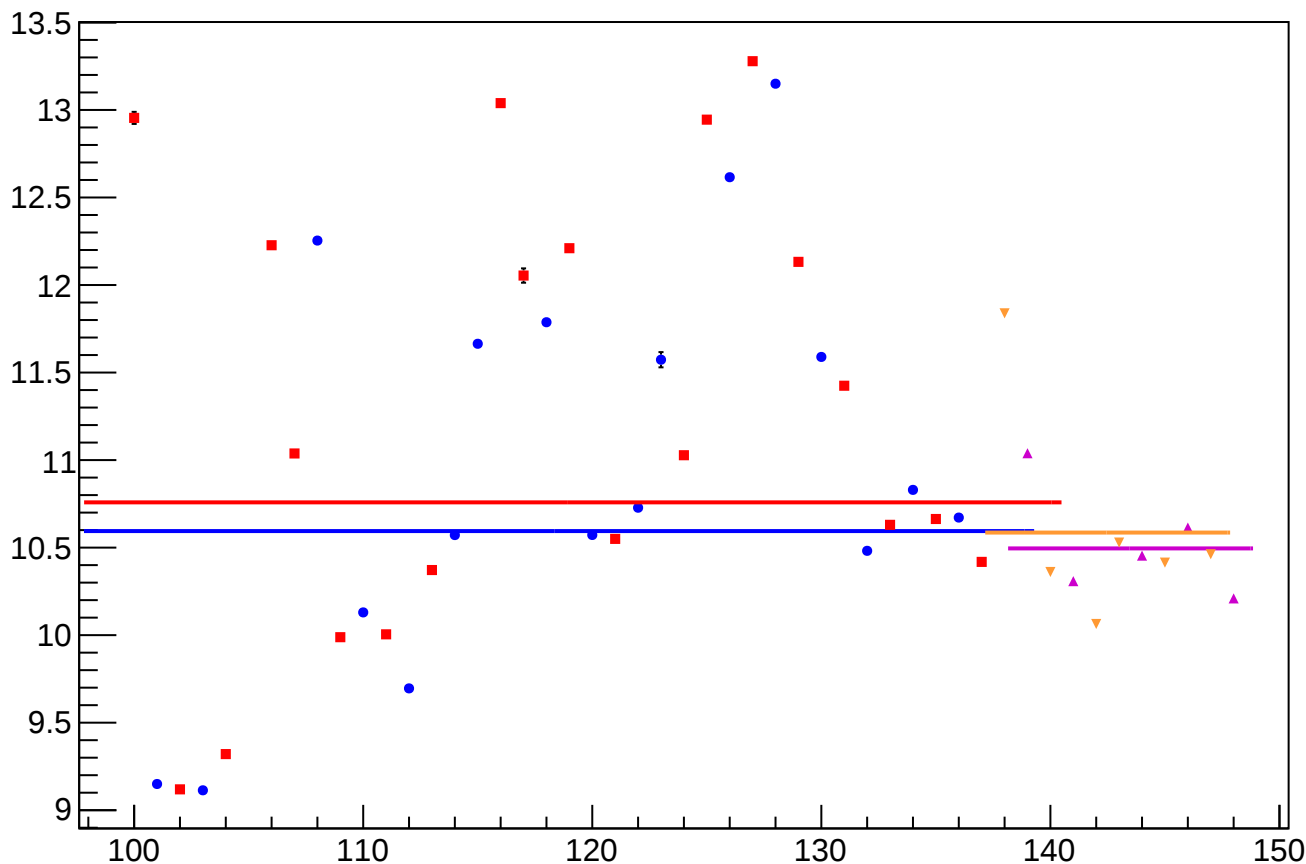
Left Out: -5.083 ± 5.224 $\chi^2/\text{NDF}: 4.2/5$

Right Out: -10.838 ± 4.070 $\chi^2/\text{NDF}: 27.1/19$

-1.603 ± 3.217 $\chi^2/\text{NDF}: 42.6/24$

Left In: 13.770 ± 5.251 $\chi^2/\text{NDF}: 1.8/4$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 ± 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.586 ± 0.004 χ^2/NDF : 19474.1/5

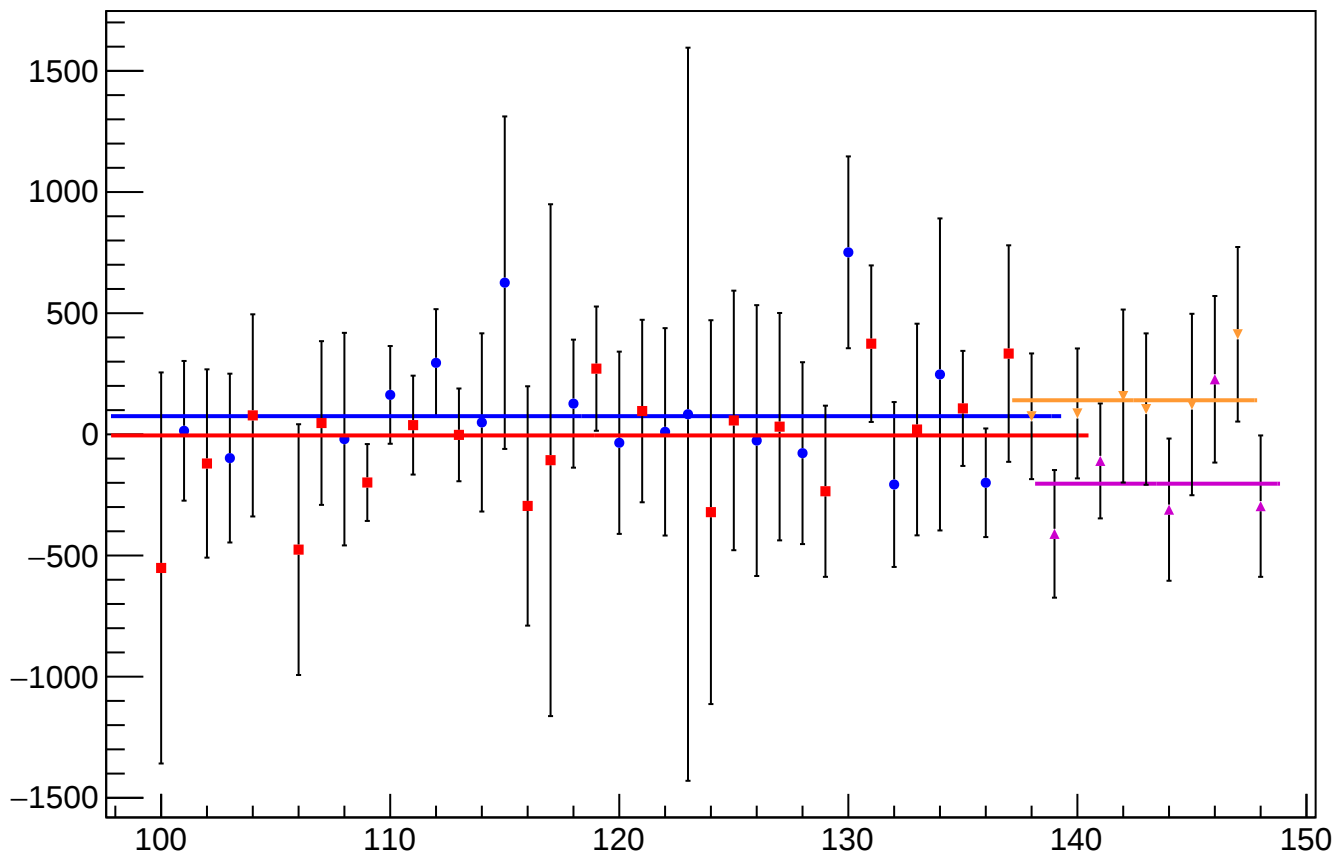
Right Out: 10.758 ± 0.003 χ^2/NDF : 178180.9/19

Left In: 10.495 ± 0.004 χ^2/NDF : 5458.8/4

10.591 ± 0.002 χ^2/NDF : 179536.5/22

10.660 ± 0.002 χ^2/NDF : 186775.5/24

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086+/-80.352 χ^2/NDF : 7.7/16

Left Out: 140.676+/-127.294 χ^2/NDF : 0.7/5

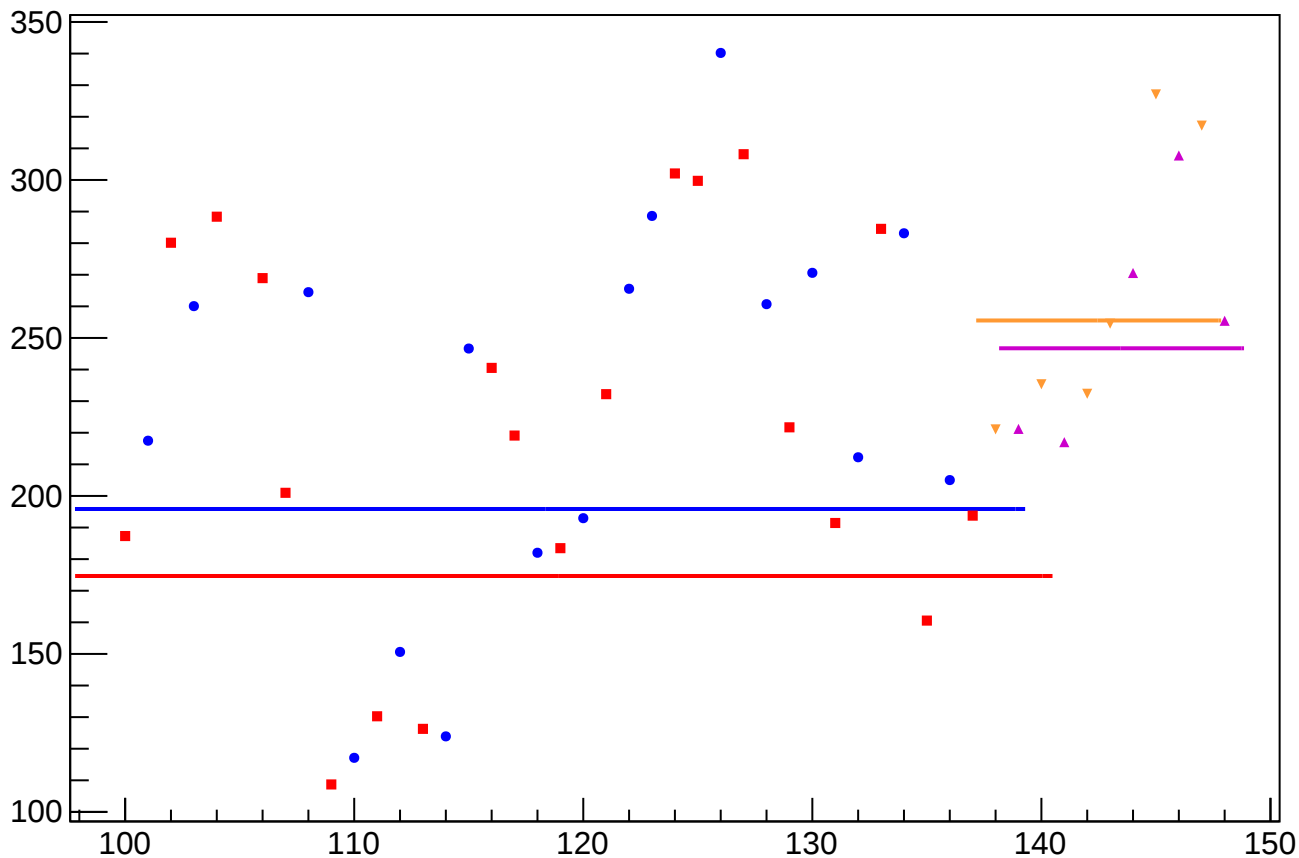
Right Out: -4.459+/-70.724 χ^2/NDF : 7.3/19

Left In: -203.619+/-124.996 χ^2/NDF : 2.6/4

93.774+/-67.947 χ^2/NDF : 8.6/22

-52.756+/-61.554 χ^2/NDF : 11.8/24

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869 ± 0.057 χ^2/NDF : 979247.4/16

Left Out: 255.531 ± 0.090 χ^2/NDF : 186792.6/5

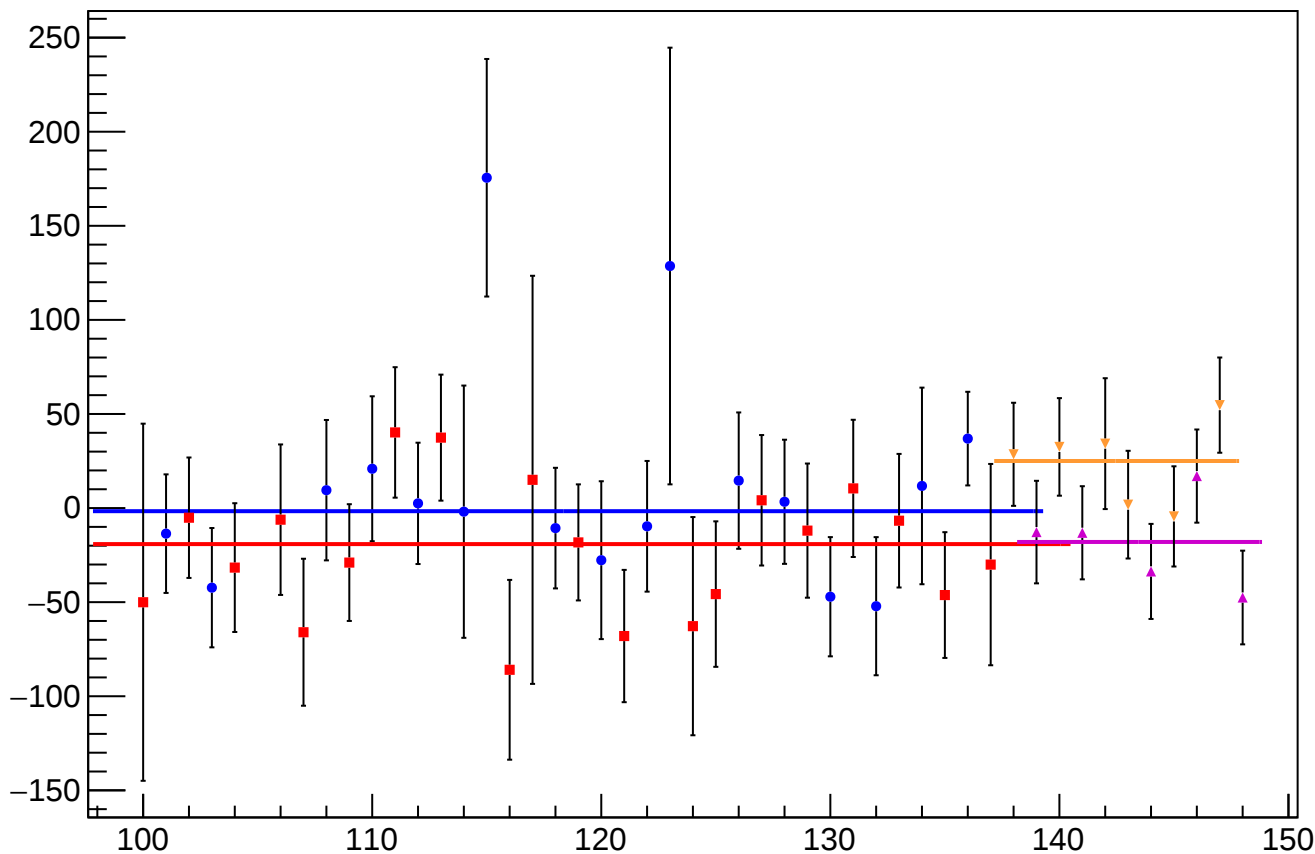
Right Out: 174.665 ± 0.050 χ^2/NDF : 1532335.9/19

Left In: 246.729 ± 0.088 χ^2/NDF : 128103.6/4

212.868 ± 0.048 χ^2/NDF : 1480212.0/22

192.141 ± 0.044 χ^2/NDF : 2164003.6/24

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 25.016 ± 11.292 χ^2/NDF : 3.4/5

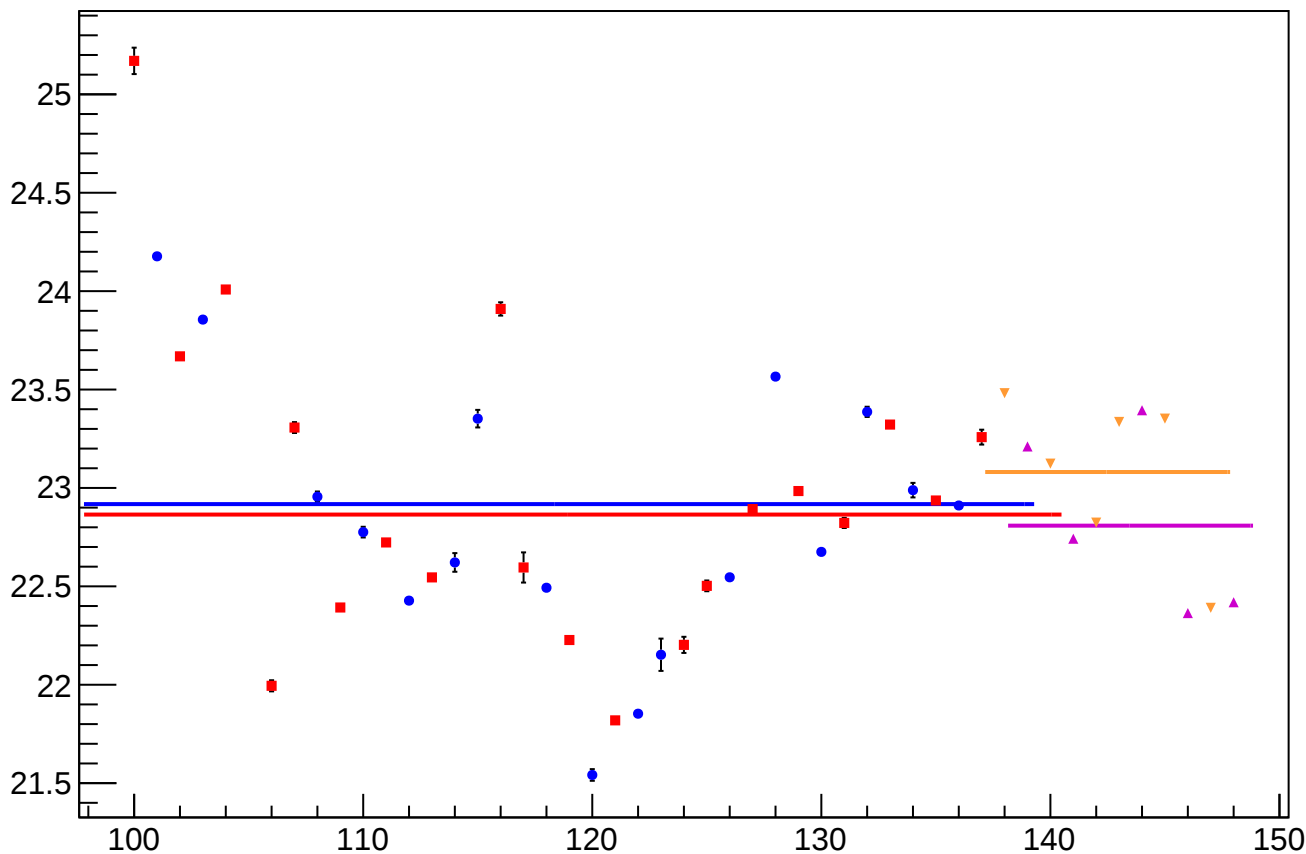
Right Out: -19.145 ± 8.529 χ^2/NDF : 14.9/19

Left In: -18.012 ± 11.329 χ^2/NDF : 3.9/4

8.538 ± 6.981 χ^2/NDF : 25.4/22

-18.735 ± 6.814 χ^2/NDF : 18.7/24

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918+/-0.006 χ^2/NDF : 11472.2/16

Left Out: 23.081+/-0.008 χ^2/NDF : 2395.9/5

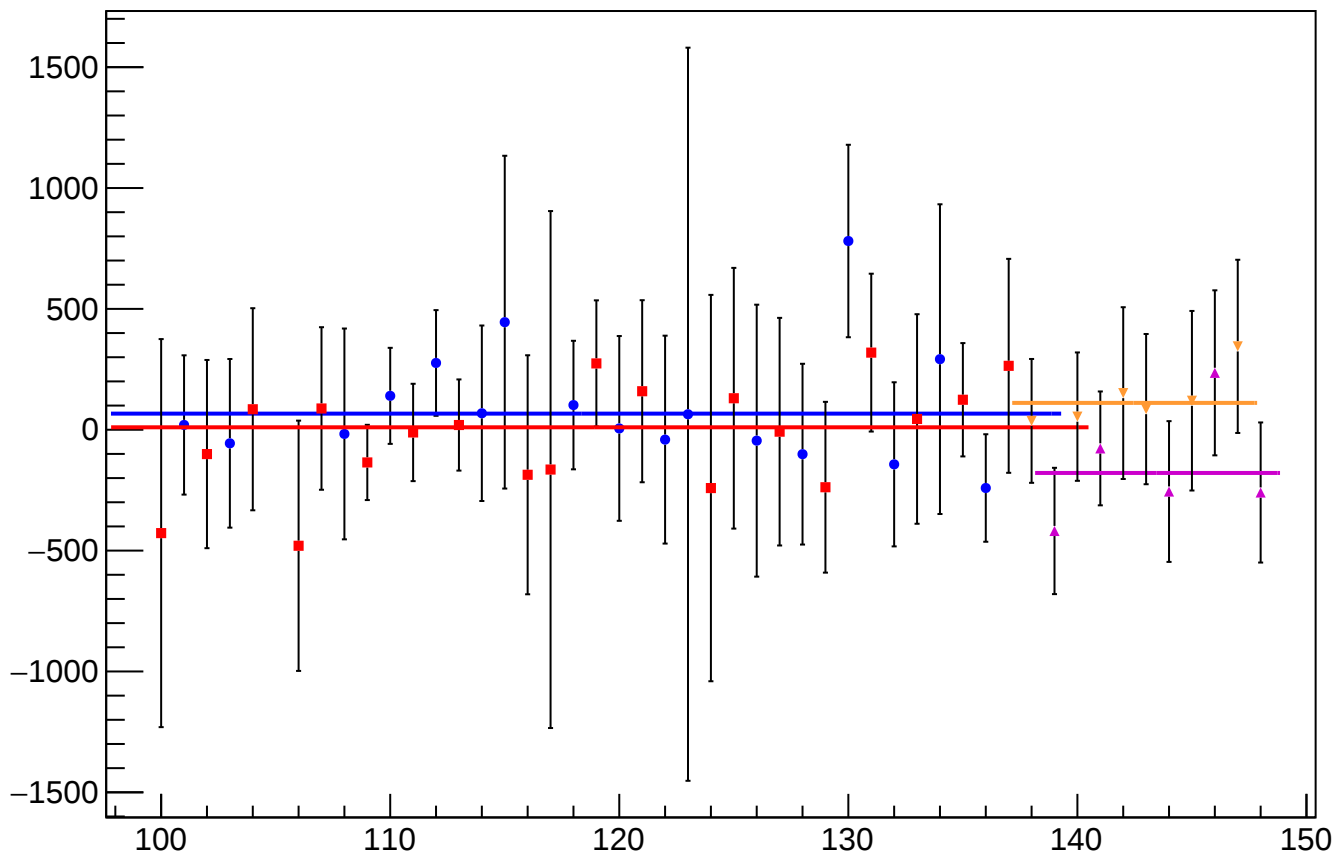
Right Out: 22.865+/-0.006 χ^2/NDF : 11064.9/19

Left In: 22.808+/-0.008 χ^2/NDF : 2661.2/4

22.980+/-0.005 χ^2/NDF : 14125.9/22

22.844+/-0.005 χ^2/NDF : 13757.7/24

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701+/-79.995 χ^2/NDF : 7.5/16

Left Out: 111.096+/-126.258 χ^2/NDF : 0.6/5

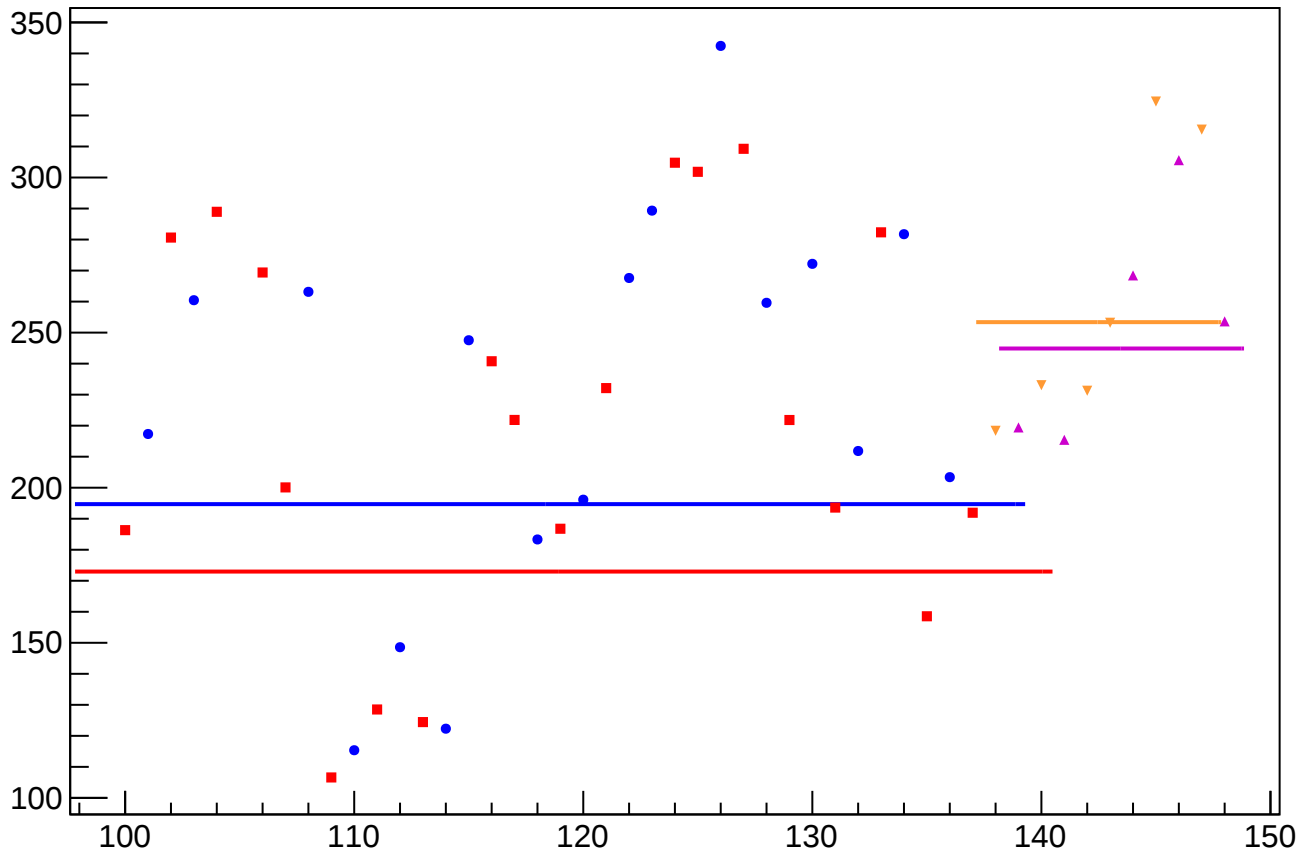
Right Out: 10.113+/-70.234 χ^2/NDF : 5.7/19

Left In: -178.757+/-124.077 χ^2/NDF : 2.6/4

79.417+/-67.574 χ^2/NDF : 8.2/22

-35.719+/-61.121 χ^2/NDF : 10.1/24

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 253.376 $\pm$ 0.089 χ^2 /NDF:190207.4/5

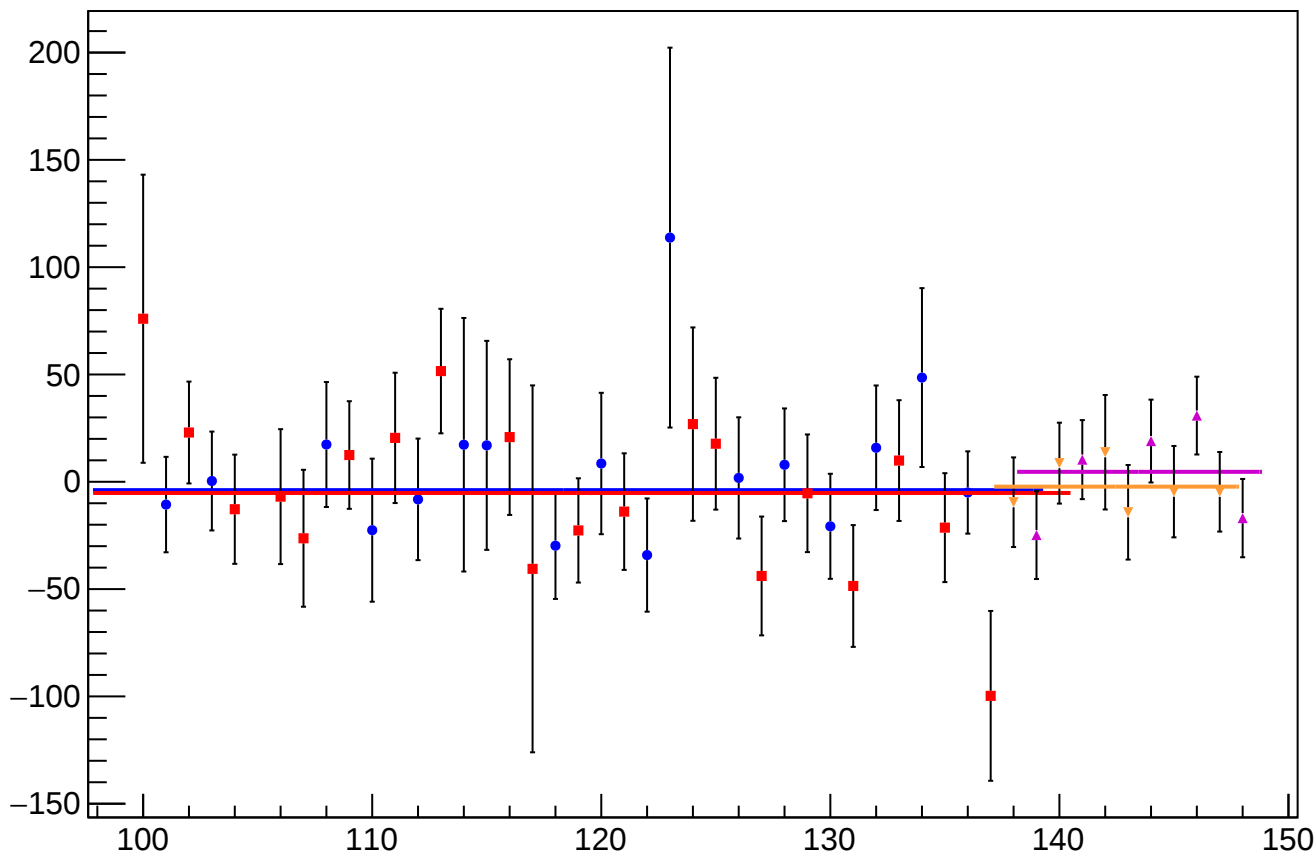
Right Out: 172.965 $\pm$ 0.050 χ^2 /NDF: 1601142.0/19

Left In: 244.875 $\pm$ 0.088 χ^2 /NDF:128391.9/4

211.509 $\pm$ 0.048 χ^2 /NDF: 1518268.4/22

190.415 $\pm$ 0.043 χ^2 /NDF: 2238292.3/24

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 $\chi^2/\text{NDF}: 8.4/16$

Left Out: -2.263 ± 8.548 $\chi^2/\text{NDF}: 1.1/5$

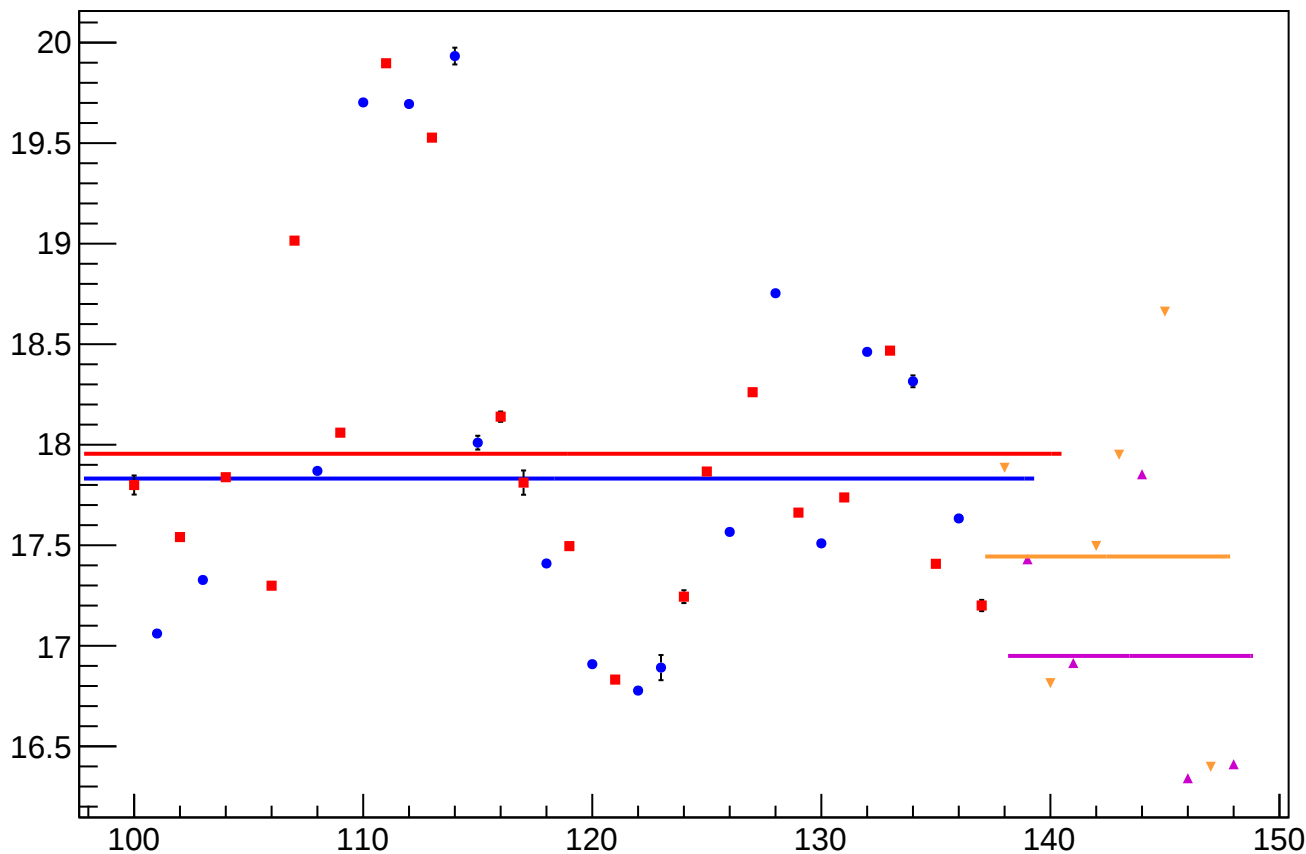
Right Out: -5.204 ± 6.706 $\chi^2/\text{NDF}: 21.5/19$

Left In: 4.640 ± 8.432 $\chi^2/\text{NDF}: 6.2/4$

-3.249 ± 5.376 $\chi^2/\text{NDF}: 9.6/22$

-1.390 ± 5.249 $\chi^2/\text{NDF}: 28.5/24$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 ± 0.005 χ^2/NDF : 30863.4/16

Left Out: 17.444 ± 0.006 χ^2/NDF : 17093.8/5

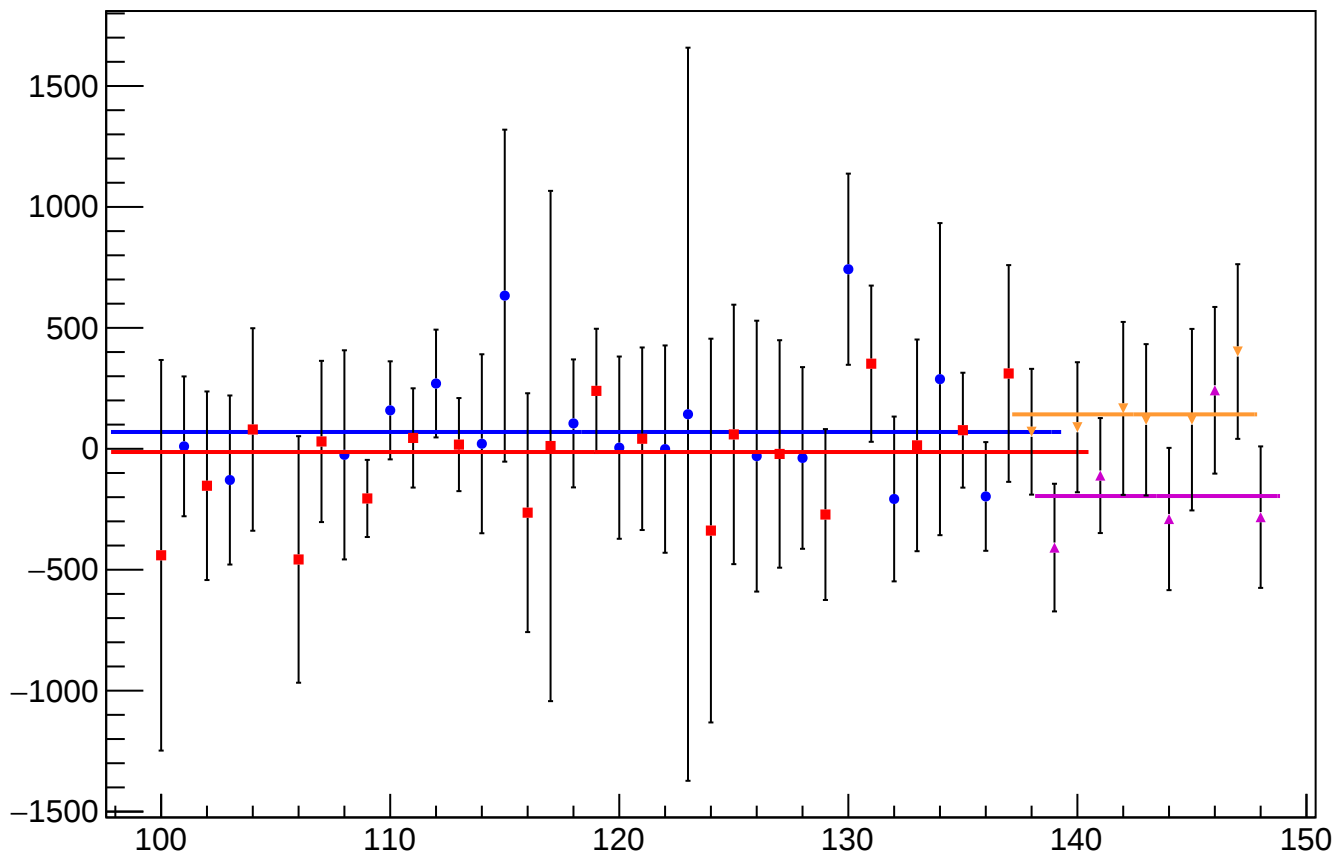
Right Out: 17.955 ± 0.005 χ^2/NDF : 25454.6/19

Left In: 16.950 ± 0.006 χ^2/NDF : 9490.3/4

17.678 ± 0.004 χ^2/NDF : 50444.2/22

17.566 ± 0.004 χ^2/NDF : 52364.0/24

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 142.382 $\pm$ 127.584 χ^2 /NDF:0.6/5

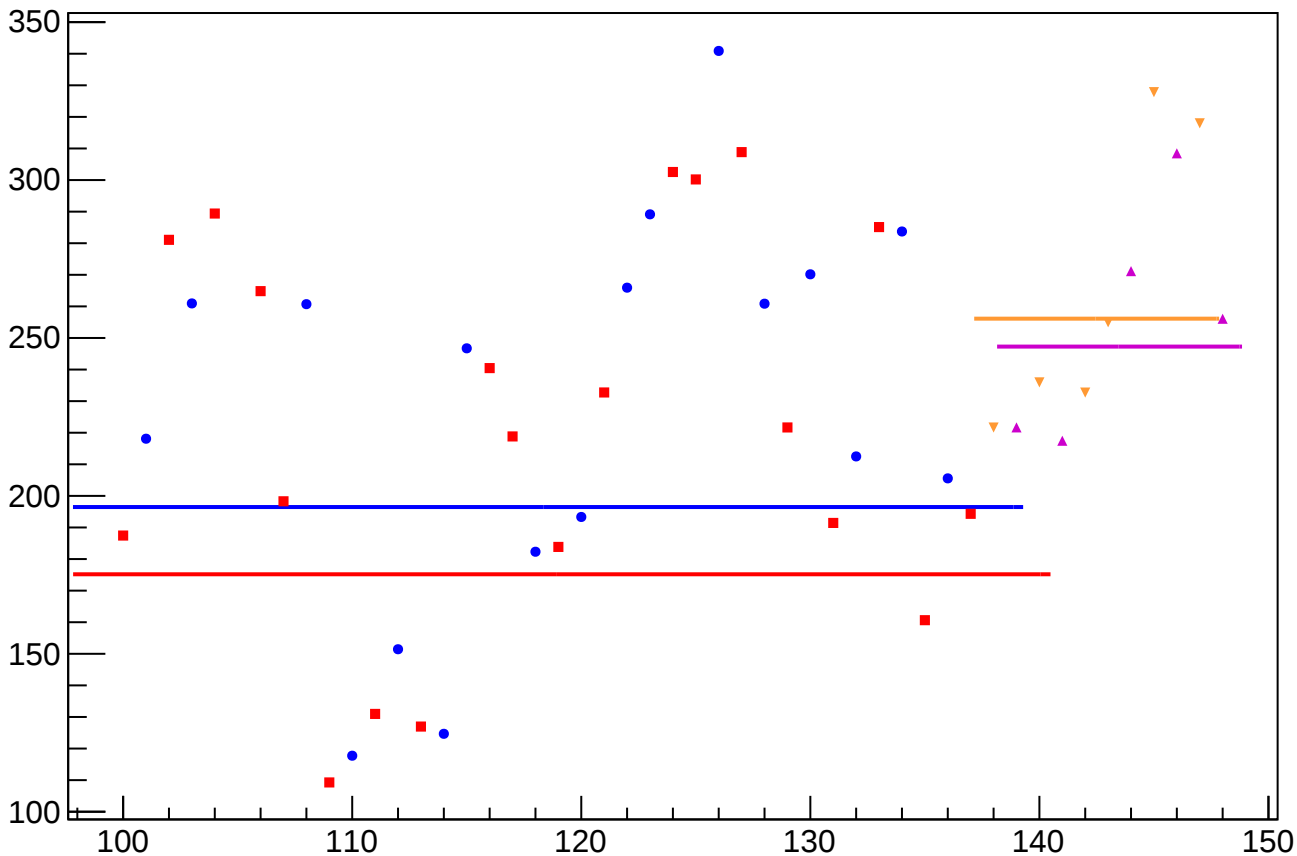
Right Out: -13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

Left In: -195.249 $\pm$ 125.272 χ^2 /NDF:2.6/4

90.279 $\pm$ 68.111 χ^2 /NDF: 8.3/22

-57.422 $\pm$ 61.690 χ^2 /NDF: 10.9/24

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.470 +/- 0.057 χ^2/NDF : 964281.5/16

Left Out: 256.115 +/- 0.090 χ^2/NDF : 186744.6/5

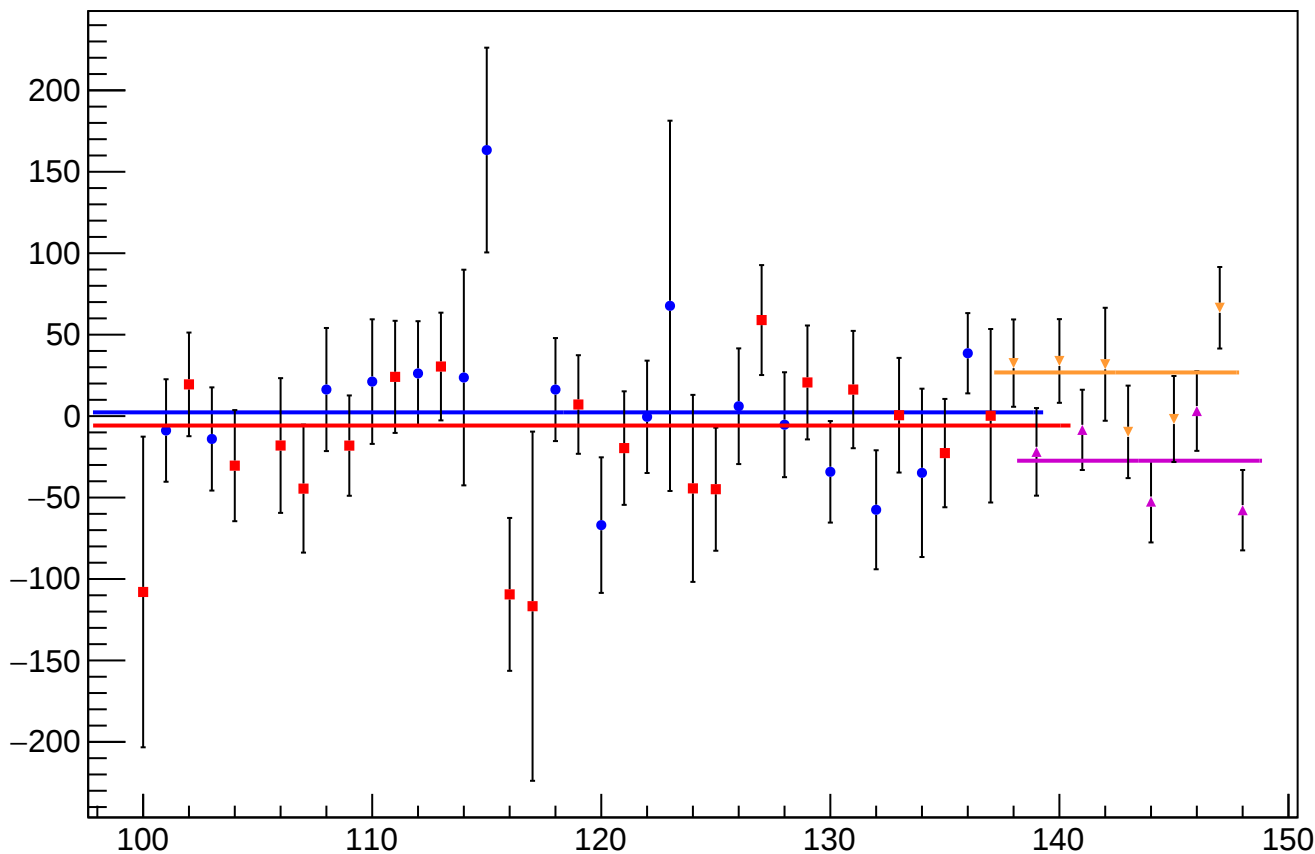
Right Out: 175.179 +/- 0.050 χ^2/NDF : 1514541.6/19

Left In: 247.273 +/- 0.089 χ^2/NDF : 128336.9/4

213.469 +/- 0.048 χ^2/NDF : 1463554.1/22

192.662 +/- 0.044 χ^2/NDF : 2144641.1/24

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 26.802 ± 11.175 $\chi^2/\text{NDF}: 5.5/5$

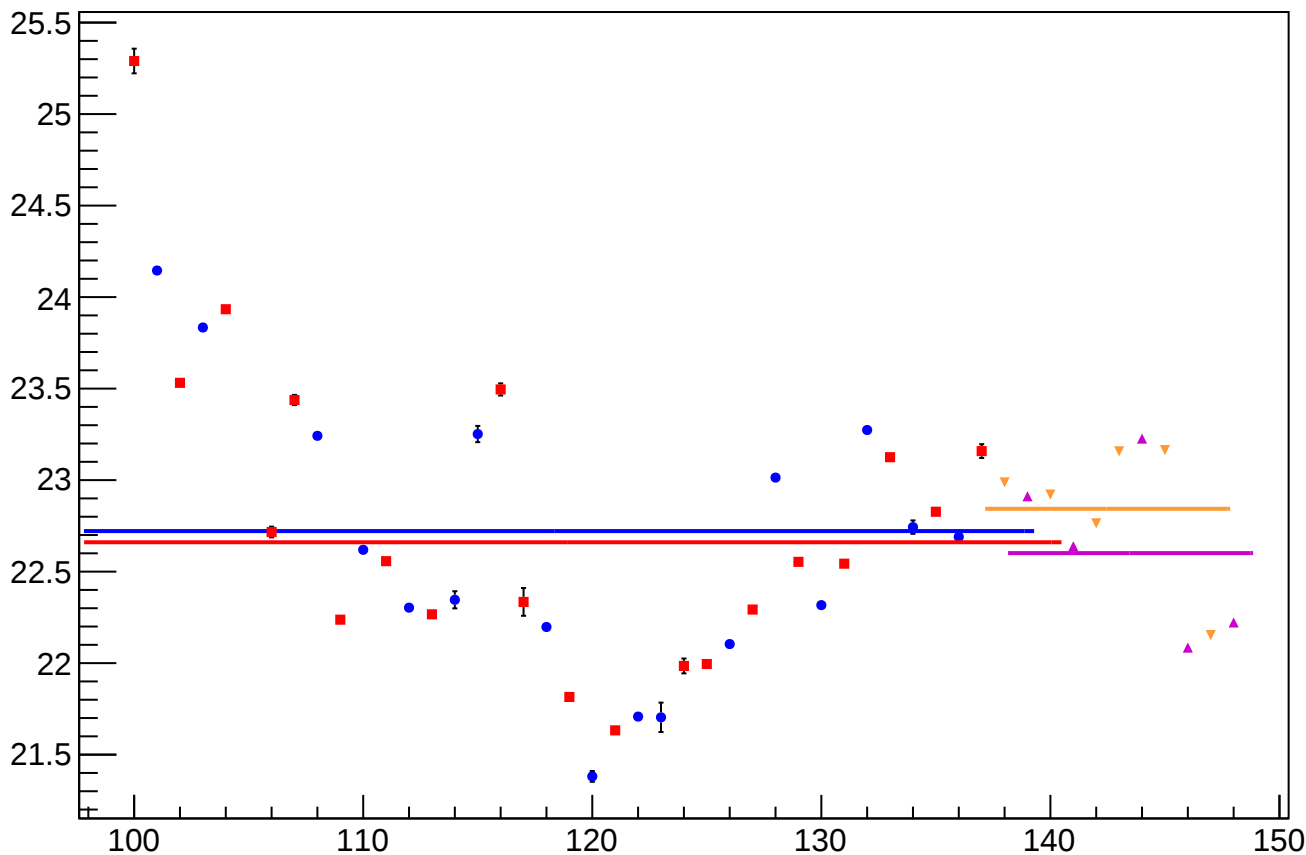
Right Out: -5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

Left In: -27.383 ± 11.226 $\chi^2/\text{NDF}: 4.7/4$

11.690 ± 6.916 $\chi^2/\text{NDF}: 26.5/22$

-13.599 ± 6.753 $\chi^2/\text{NDF}: 25.3/24$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722+/-0.006 χ^2/NDF : 13580.6/16

Left Out: 22.843+/-0.008 χ^2/NDF : 2145.4/5

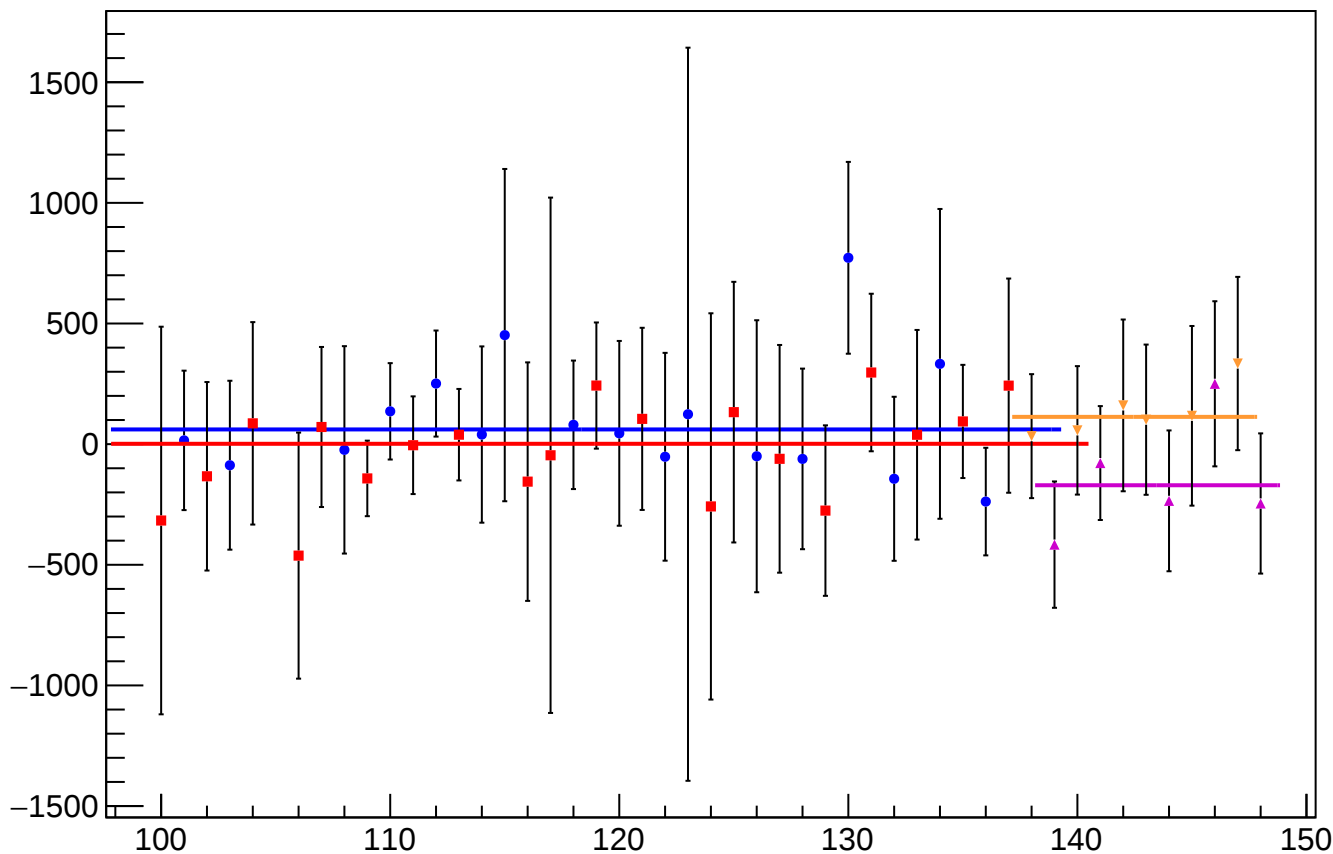
Right Out: 22.660+/-0.006 χ^2/NDF : 12974.2/19

Left In: 22.601+/-0.008 χ^2/NDF : 2879.3/4

22.768+/-0.005 χ^2/NDF : 15872.5/22

22.639+/-0.005 χ^2/NDF : 15889.0/24

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960+/-80.197 χ^2/NDF : 7.2/16

Left Out: 113.050+/-126.549 χ^2/NDF : 0.5/5

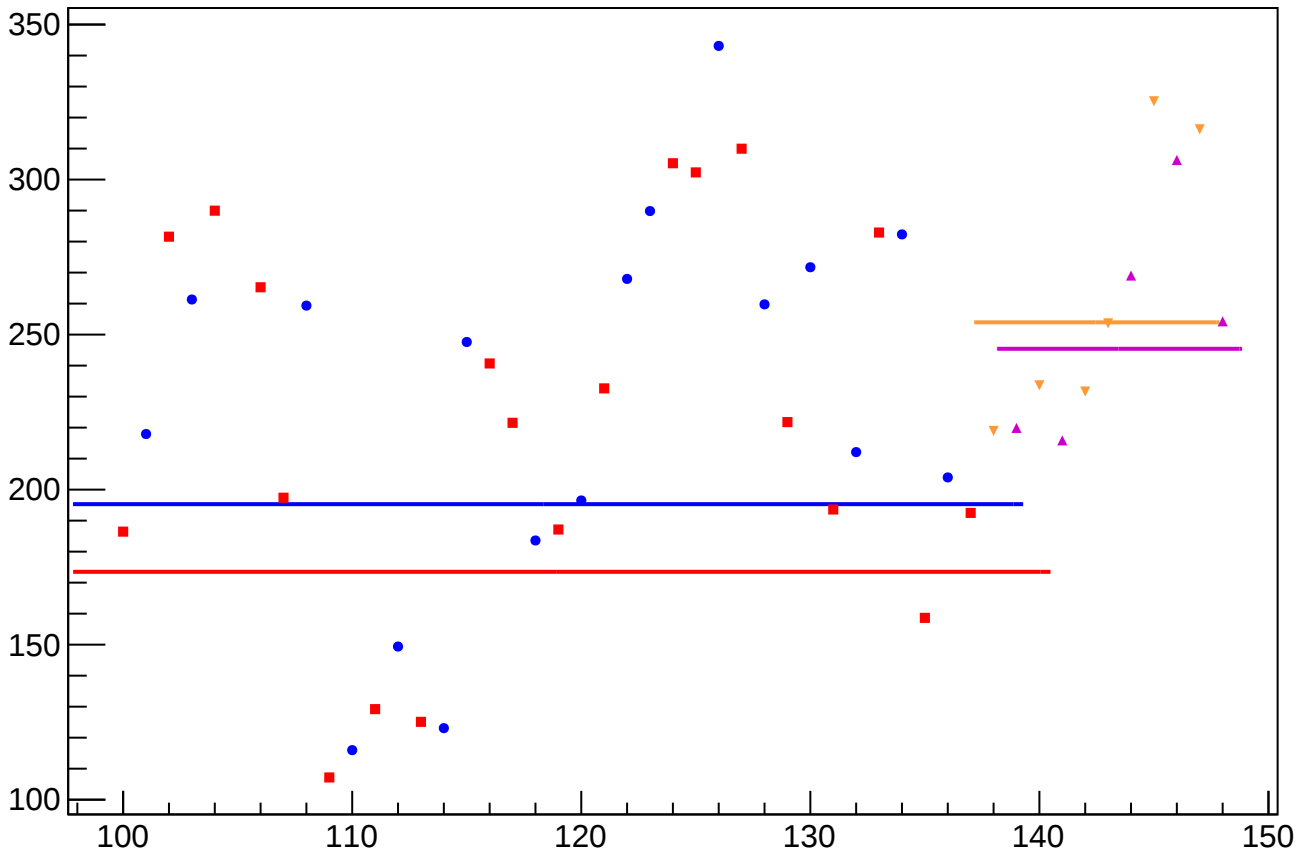
Right Out: 1.439+/-70.395 χ^2/NDF : 5.2/19

Left In: -170.380+/-124.354 χ^2/NDF : 2.7/4

75.886+/-67.740 χ^2/NDF : 7.9/22

-40.259+/-61.261 χ^2/NDF : 9.3/24

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 253.961+/-0.089 χ^2/NDF :190136.5/5

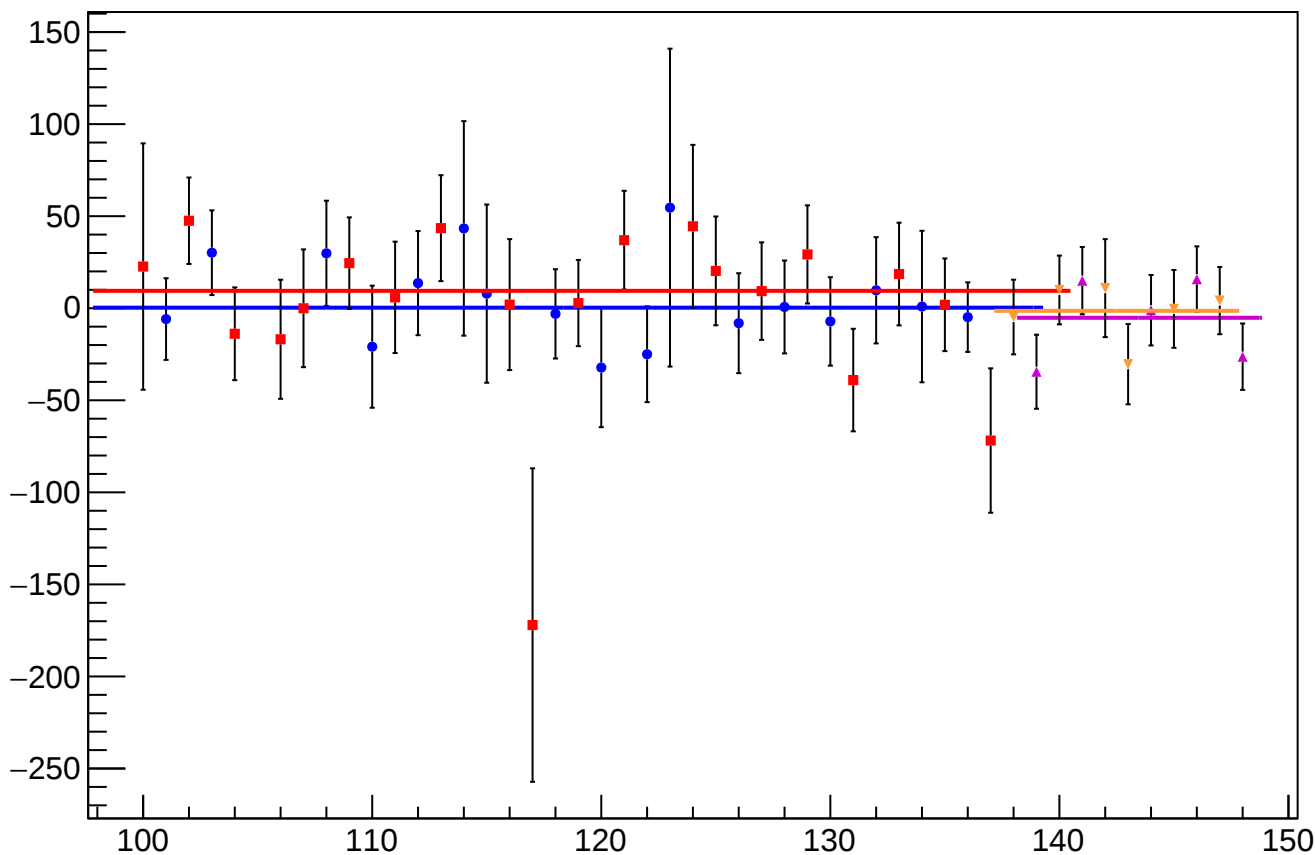
Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

Left In: 245.421+/-0.088 χ^2/NDF :128617.8/4

212.119+/-0.048 χ^2/NDF : 1500796.4/22

190.950+/-0.043 χ^2/NDF : 2217781.0/24

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 $\chi^2/\text{NDF}: 6.8/16$

Left Out: -1.418 ± 8.435 $\chi^2/\text{NDF}: 2.5/5$

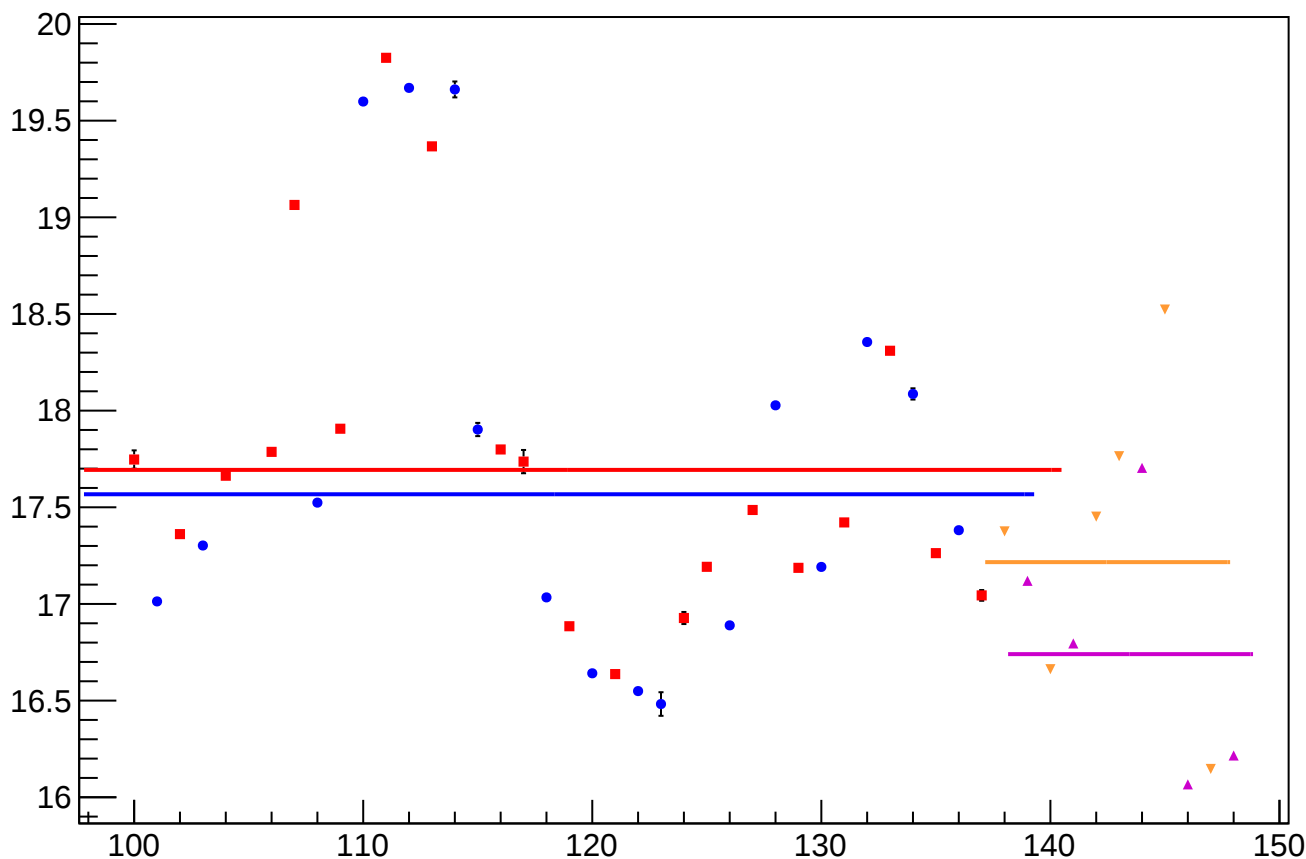
Right Out: 9.452 ± 6.608 $\chi^2/\text{NDF}: 20.6/19$

Left In: -5.185 ± 8.326 $\chi^2/\text{NDF}: 6.1/4$

-0.375 ± 5.300 $\chi^2/\text{NDF}: 9.3/22$

3.796 ± 5.176 $\chi^2/\text{NDF}: 28.7/24$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 ± 0.005 χ^2/NDF : 33145.0/16

Left Out: 17.216 ± 0.006 χ^2/NDF : 17811.9/5

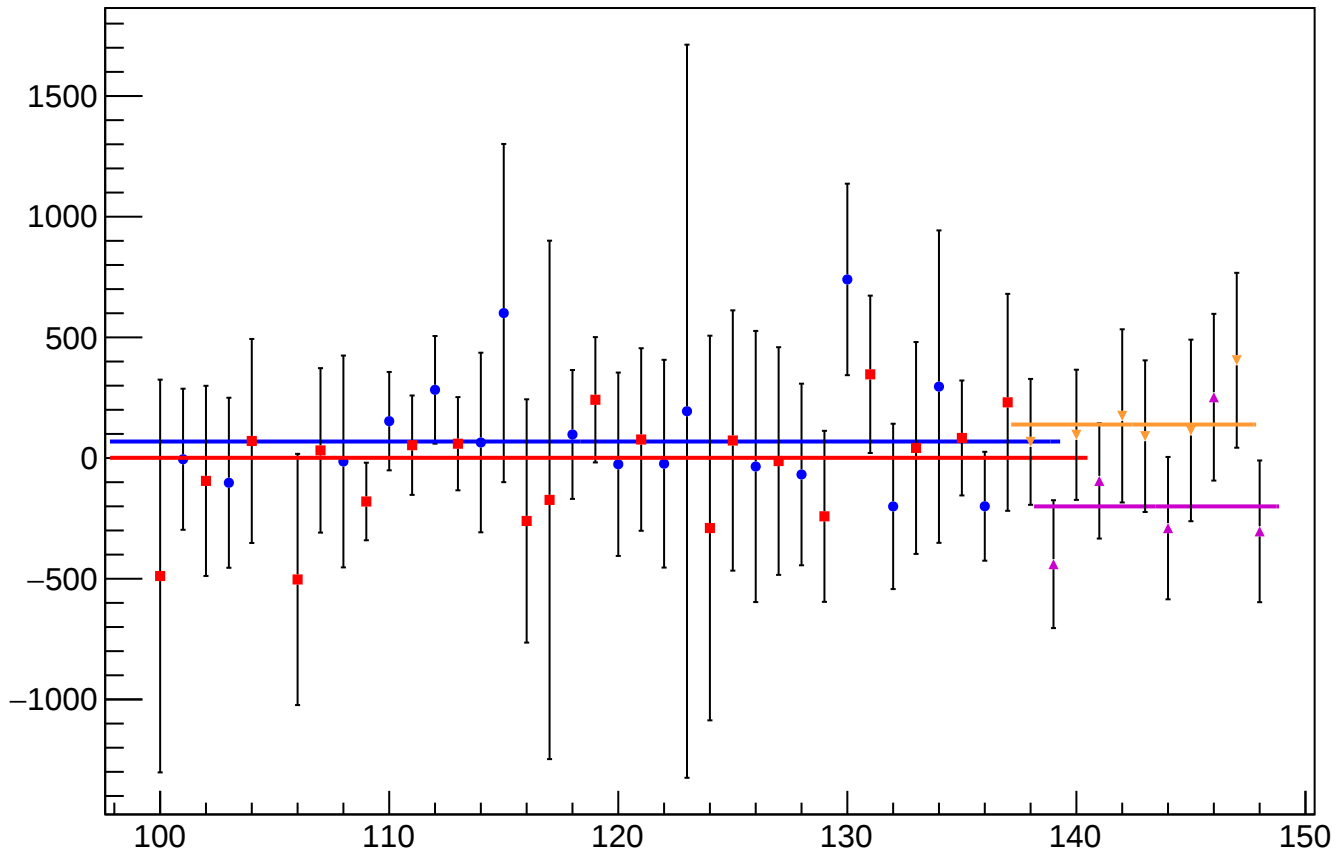
Right Out: 17.693 ± 0.005 χ^2/NDF : 30767.6/19

Left In: 16.740 ± 0.006 χ^2/NDF : 10353.6/4

17.429 ± 0.004 χ^2/NDF : 53053.5/22

17.325 ± 0.004 χ^2/NDF : 57198.3/24

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 138.994+/-127.997 χ^2/NDF : 0.7/5

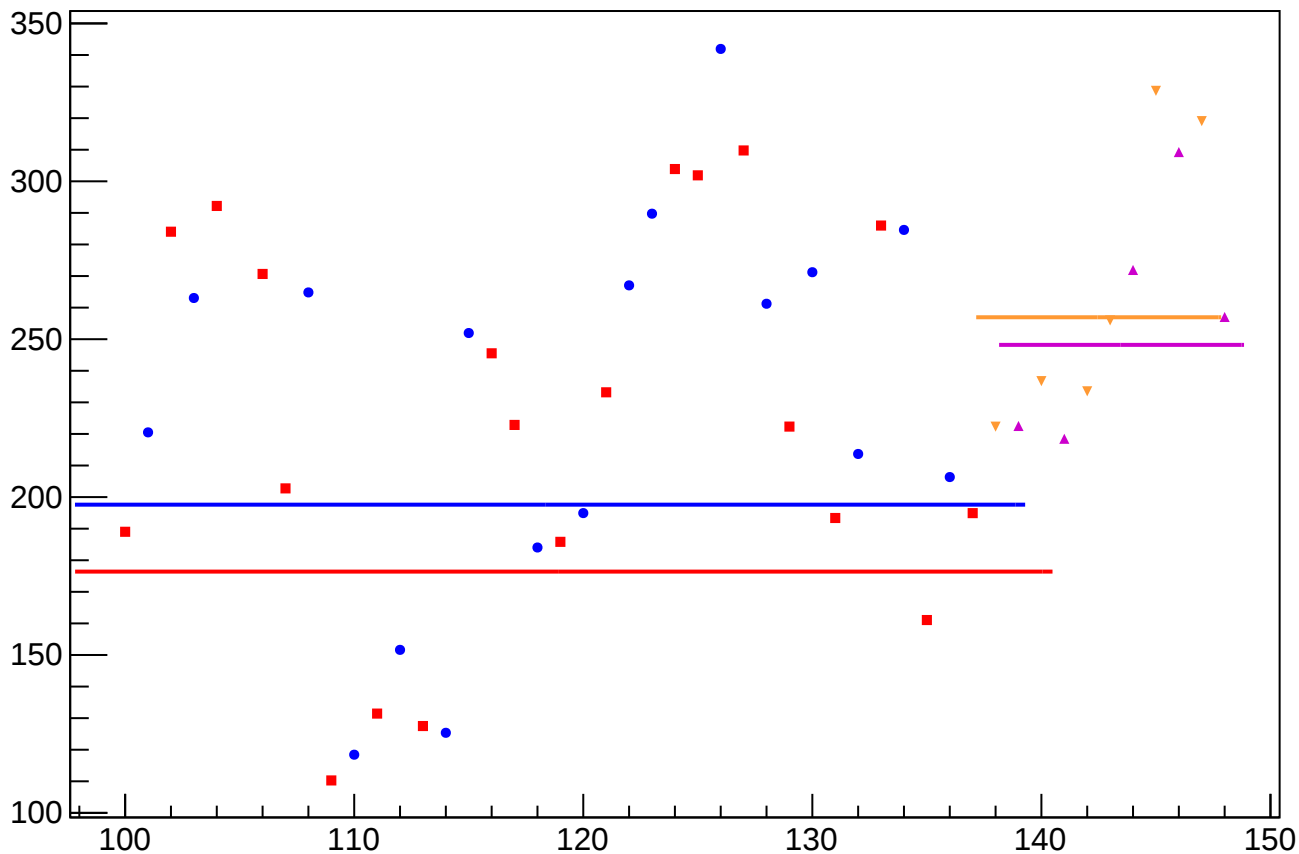
Right Out: 1.057+/-71.380 χ^2/NDF : 6.1/19

Left In: -200.270+/-125.728 χ^2/NDF : 2.9/4

88.703+/-68.457 χ^2/NDF : 8.2/22

-48.017+/-62.074 χ^2/NDF : 11.0/24

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 $\pm$ 0.057 χ^2/NDF : 968827.8/16

Left Out: 256.948 $\pm$ 0.091 χ^2/NDF :186534.6/5

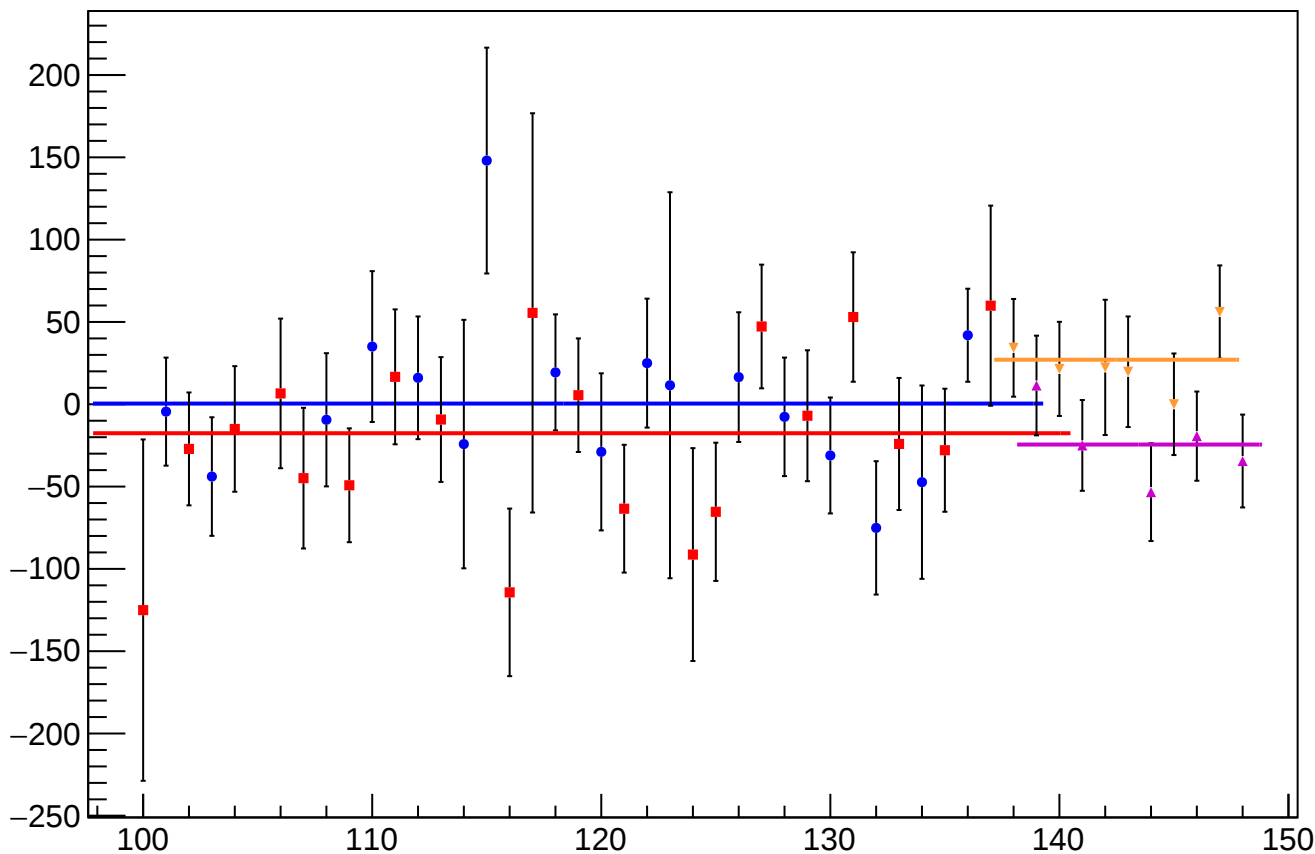
Right Out: 176.407 $\pm$ 0.050 χ^2/NDF : 1523589.5/19

Left In: 248.204 $\pm$ 0.089 χ^2/NDF :127044.5/4

214.579 $\pm$ 0.048 χ^2/NDF : 1462309.5/22

193.908 $\pm$ 0.044 χ^2/NDF : 2143846.3/24

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 27.055 ± 12.765 $\chi^2/\text{NDF}: 2.0/5$

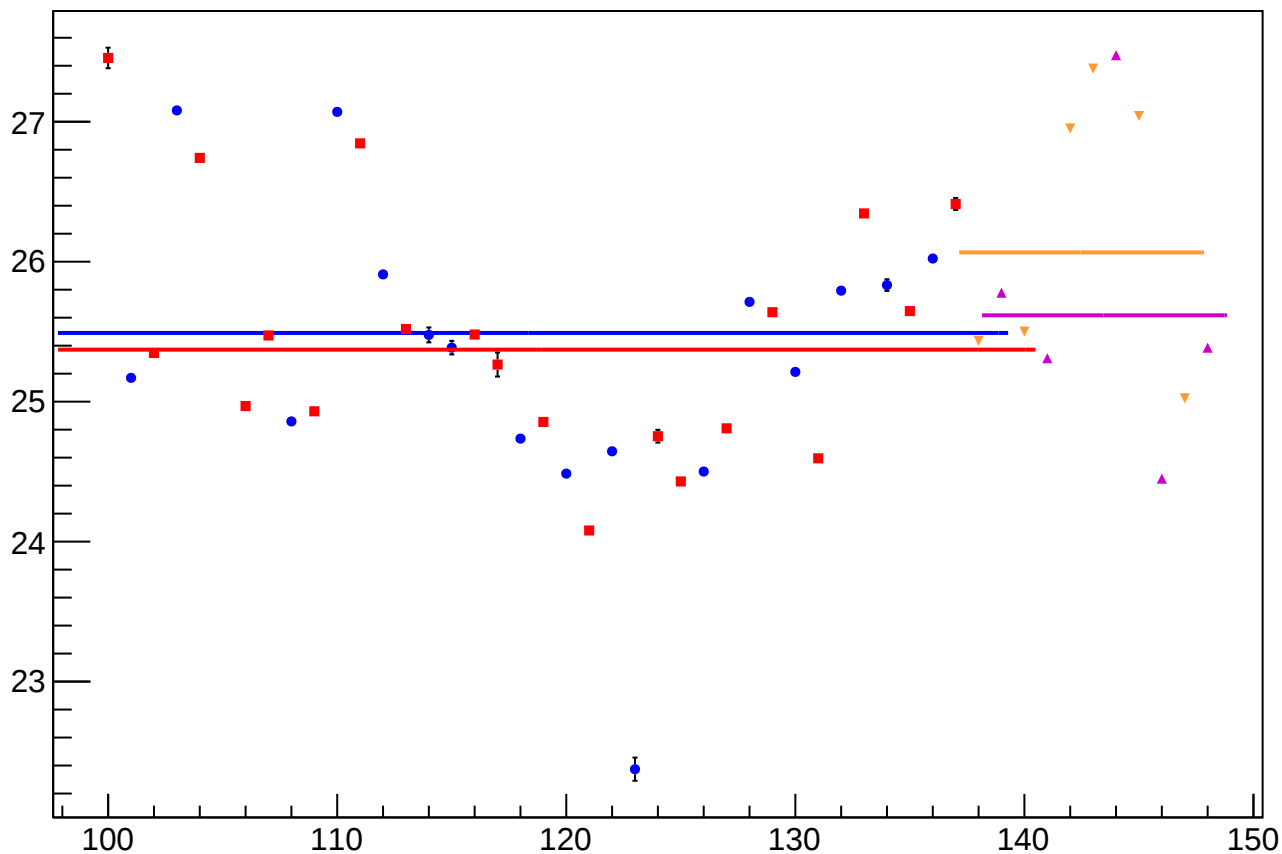
Right Out: -17.595 ± 9.470 $\chi^2/\text{NDF}: 19.8/19$

Left In: -24.466 ± 12.741 $\chi^2/\text{NDF}: 2.5/4$

10.408 ± 7.815 $\chi^2/\text{NDF}: 20.2/22$

-20.040 ± 7.600 $\chi^2/\text{NDF}: 22.5/24$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 26.066 $\pm$ 0.009 χ^2 /NDF:10388.8/5

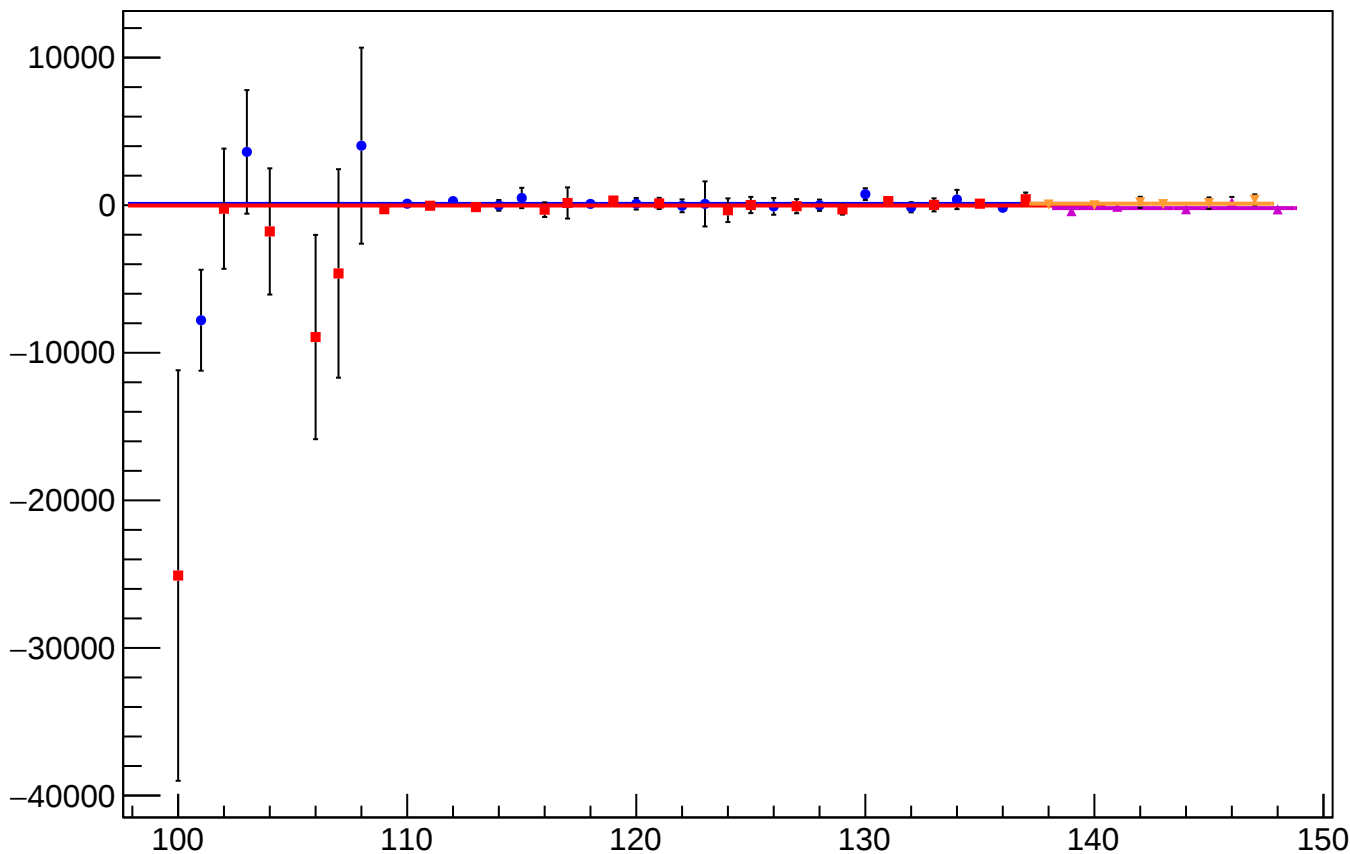
Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

Left In: 25.617 $\pm$ 0.009 χ^2 /NDF:11984.4/4

25.706 $\pm$ 0.006 χ^2 /NDF: 26640.8/22

25.459 $\pm$ 0.005 χ^2 /NDF: 26014.1/24

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: 103.182+/-128.775 χ^2/NDF : 0.8/5

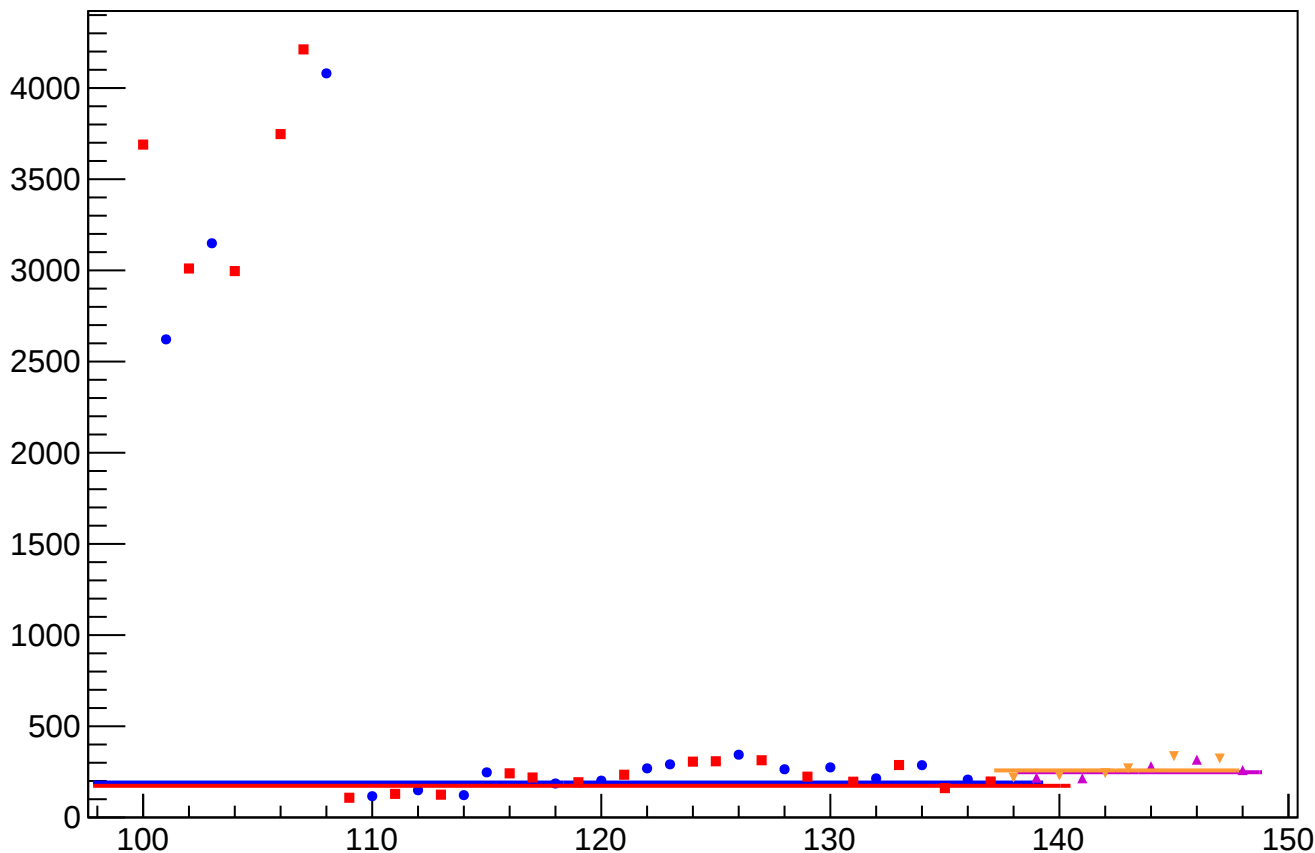
Right Out: -22.332+/-80.711 χ^2/NDF : 11.9/19

Left In: -197.611+/-125.985 χ^2/NDF : 2.2/4

91.884+/-72.893 χ^2/NDF : 13.3/22

-73.337+/-67.961 χ^2/NDF : 15.5/24

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 257.918+/-0.091 χ^2/NDF : 220823.8/5

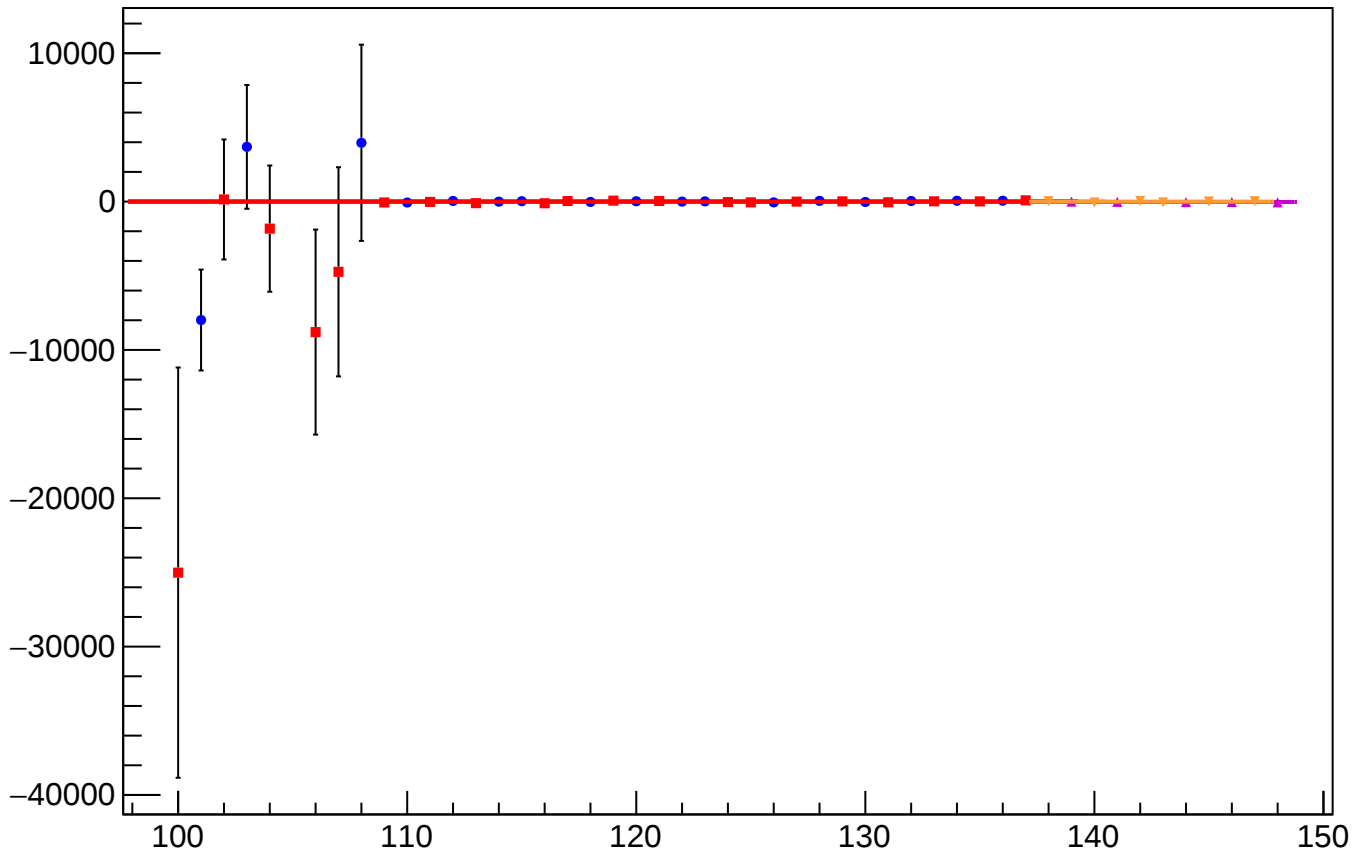
Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

Left In: 248.024+/-0.089 χ^2/NDF : 168066.9/4

212.767+/-0.052 χ^2/NDF : 4155783.8/22

195.232+/-0.048 χ^2/NDF : 4874536.1/24

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286 $\pm$ 12.282 χ^2 /NDF: 18.4/16

Left Out: -3.565 $\pm$ 14.802 χ^2 /NDF: 7.8/5

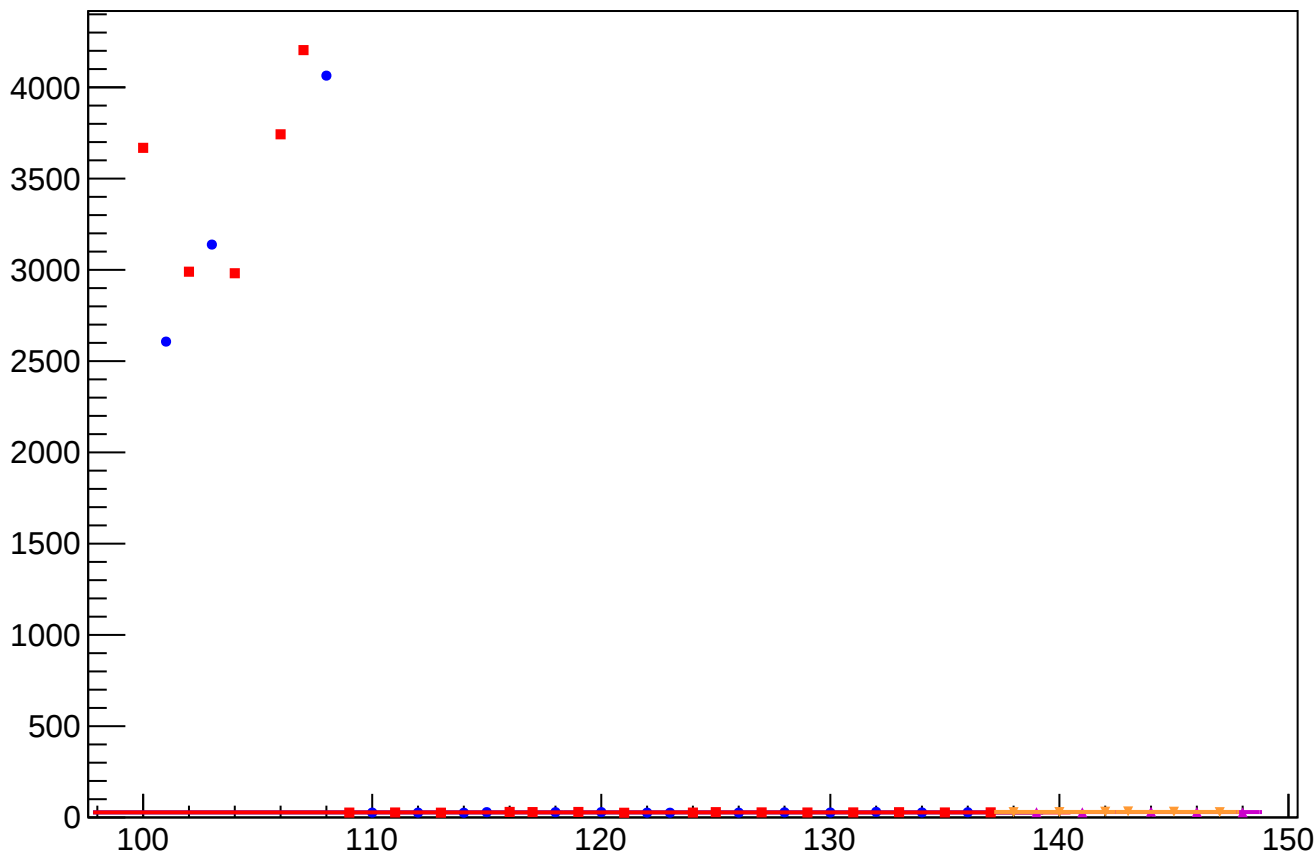
Right Out: -12.296 $\pm$ 12.186 χ^2 /NDF: 24.9/19

Left In: -26.426 $\pm$ 14.702 χ^2 /NDF: 1.3/4

4.638 $\pm$ 9.452 χ^2 /NDF: 26.7/22

-18.051 $\pm$ 9.382 χ^2 /NDF: 26.8/24

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 30.146+/-0.010 χ^2/NDF :19401.3/5

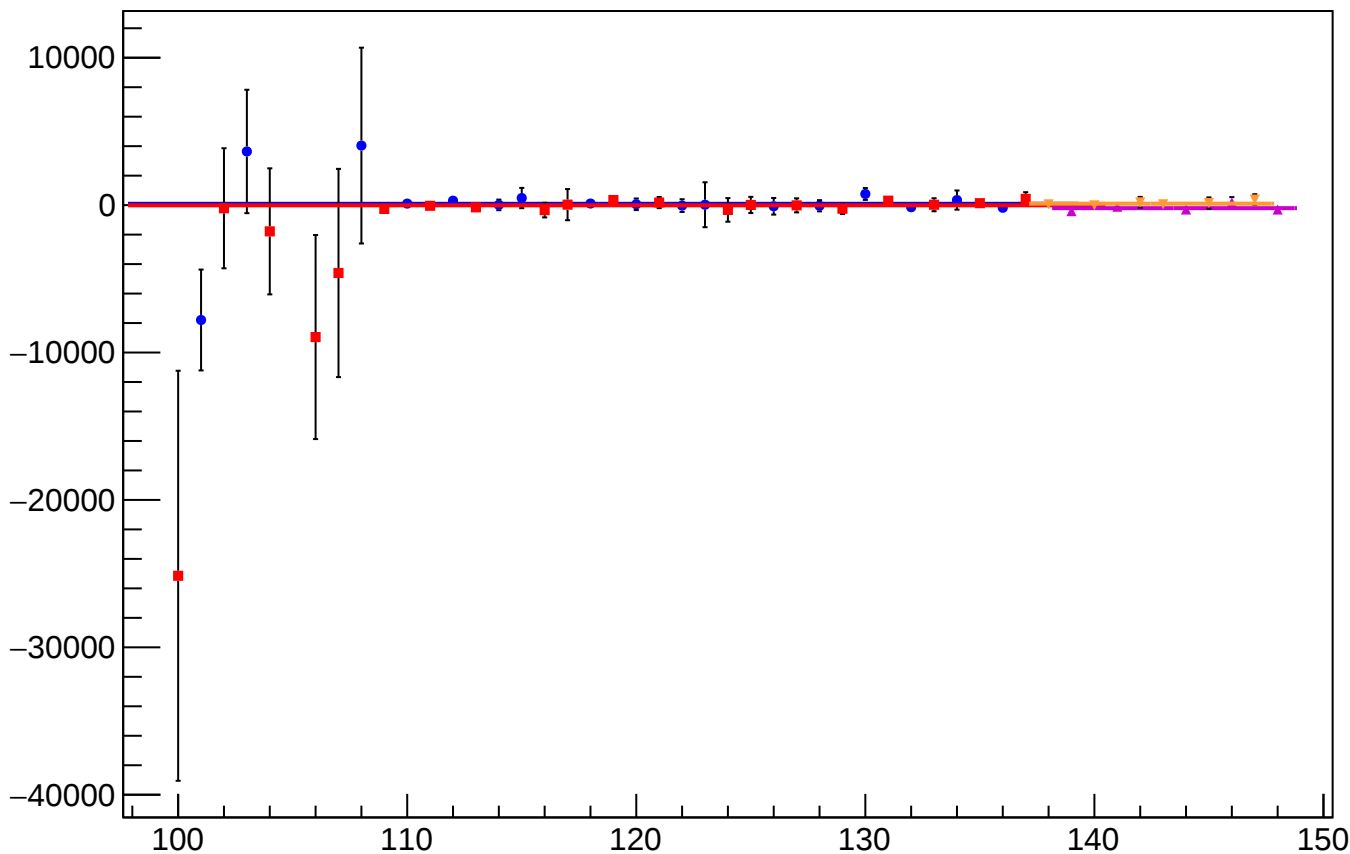
Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

Left In: 29.521+/-0.010 χ^2/NDF :21532.0/4

28.789+/-0.007 χ^2/NDF : 3075446.8/22

28.446+/-0.007 χ^2/NDF : 3516707.3/24

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: 101.768+/-128.482 χ^2/NDF : 0.9/5

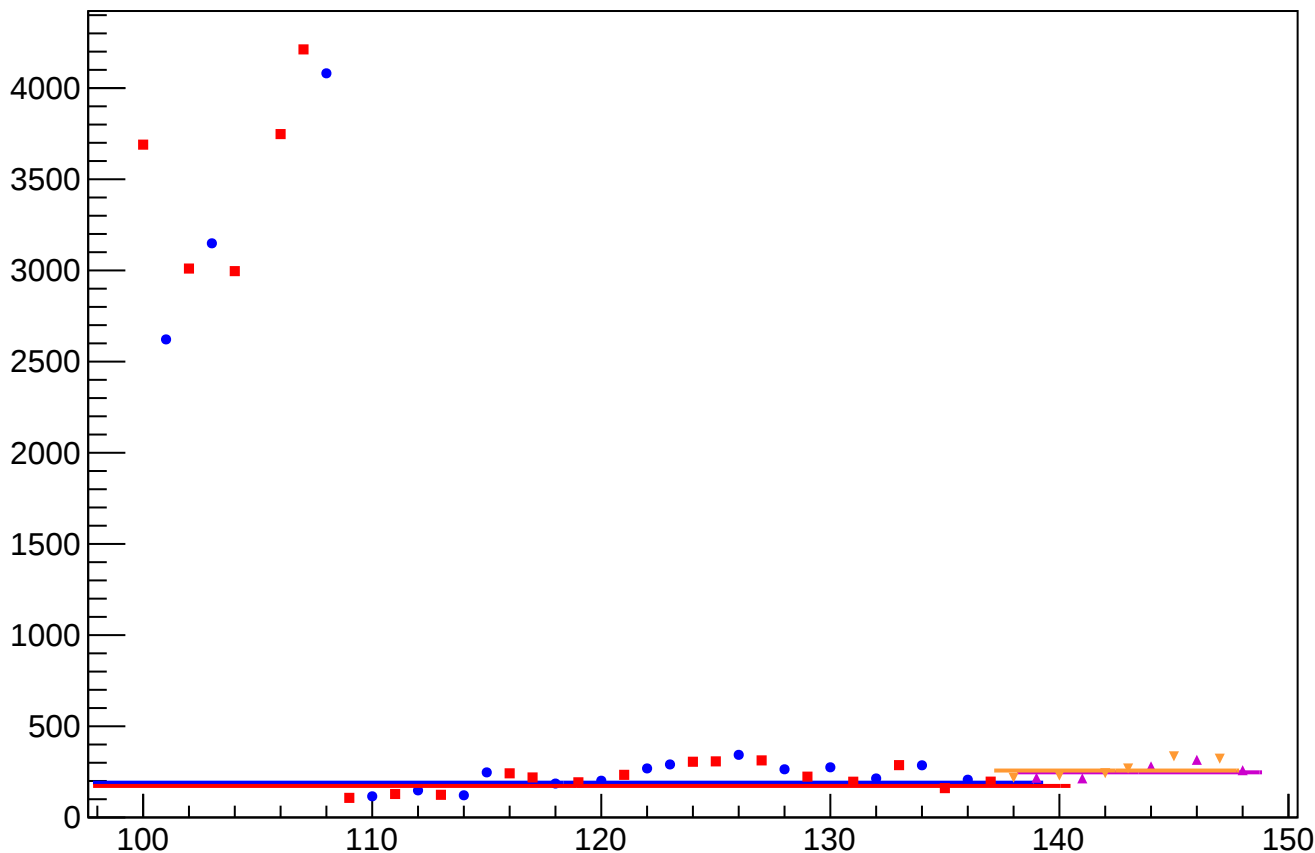
Right Out: -13.075+/-80.452 χ^2/NDF : 12.7/19

Left In: -205.700+/-125.710 χ^2/NDF : 2.2/4

94.292+/-72.686 χ^2/NDF : 13.7/22

-69.046+/-67.763 χ^2/NDF : 16.6/24

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770 $\pm$ 0.062 χ^2 /NDF: 3585034.0/16

Left Out: 257.325 $\pm$ 0.091 χ^2 /NDF: 221145.1/5

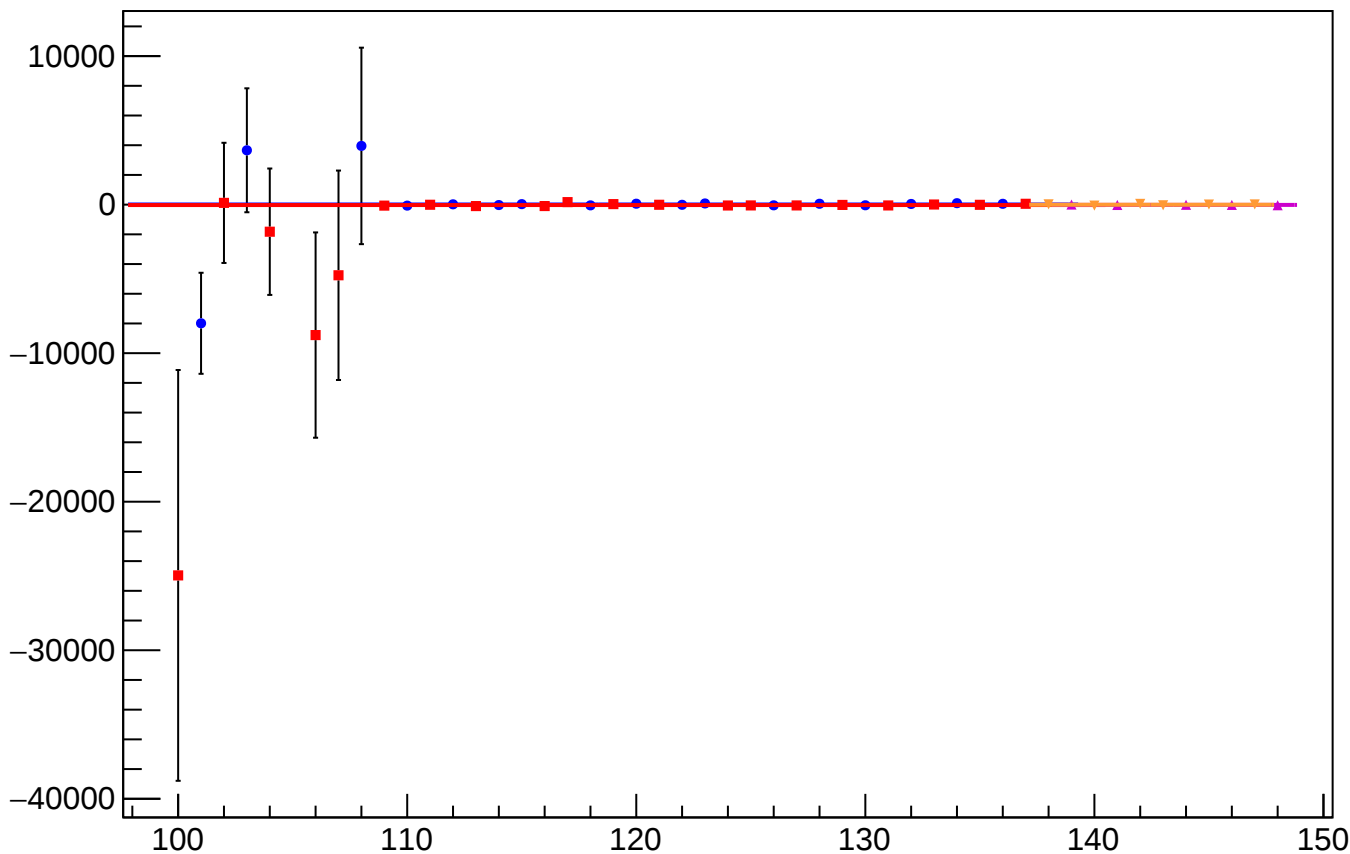
Right Out: 172.900 $\pm$ 0.057 χ^2 /NDF: 4222511.2/19

Left In: 247.483 $\pm$ 0.089 χ^2 /NDF: 167888.4/4

212.071 $\pm$ 0.051 χ^2 /NDF: 4171096.0/22

194.572 $\pm$ 0.048 χ^2 /NDF: 4889837.6/24

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -6.367 $\pm$ 14.904 χ^2 /NDF: 6.5/5

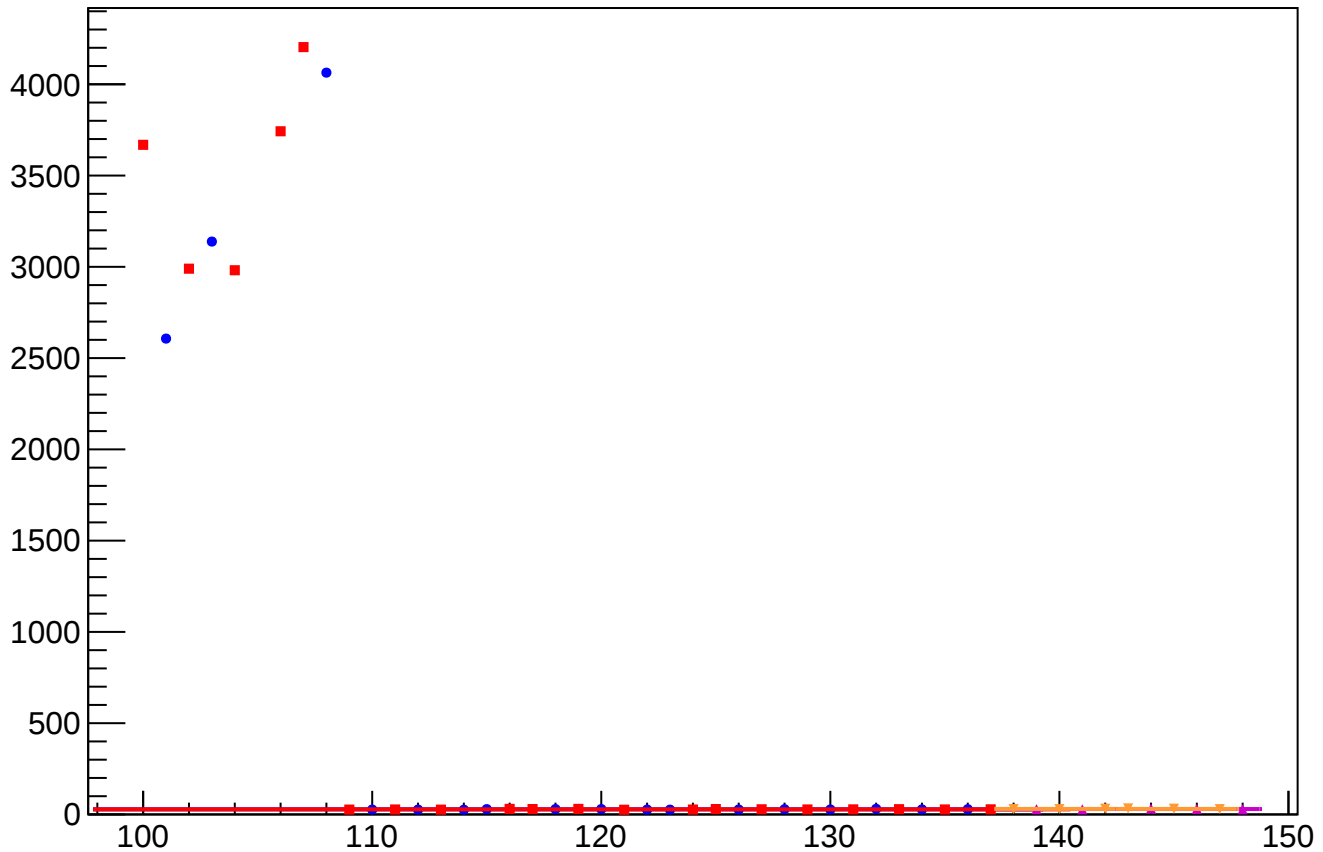
Right Out: -27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

Left In: -18.151 $\pm$ 14.796 χ^2 /NDF: 1.1/4

2.496 $\pm$ 9.517 χ^2 /NDF: 30.3/22

-23.920 $\pm$ 9.453 χ^2 /NDF: 20.1/24

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 30.351+/-0.011 χ^2/NDF : 19197.8/5

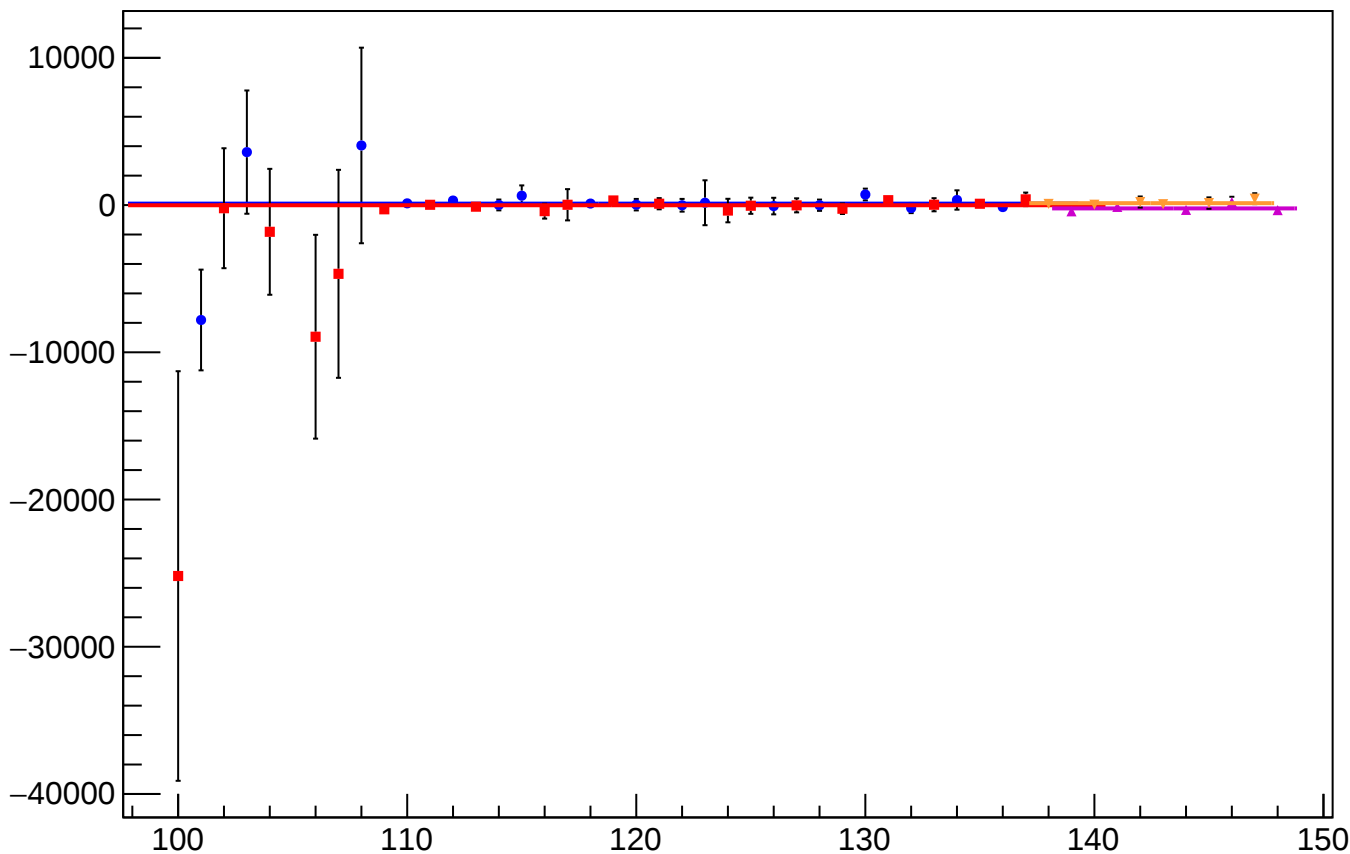
Right Out: 27.930+/-0.009 χ^2/NDF : 3479947.6/19

Left In: 29.706+/-0.010 χ^2/NDF : 22844.1/4

28.985+/-0.007 χ^2/NDF : 3075468.0/22

28.655+/-0.007 χ^2/NDF : 3519853.3/24

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: 129.192+/-130.215 χ^2/NDF : 1.0/5

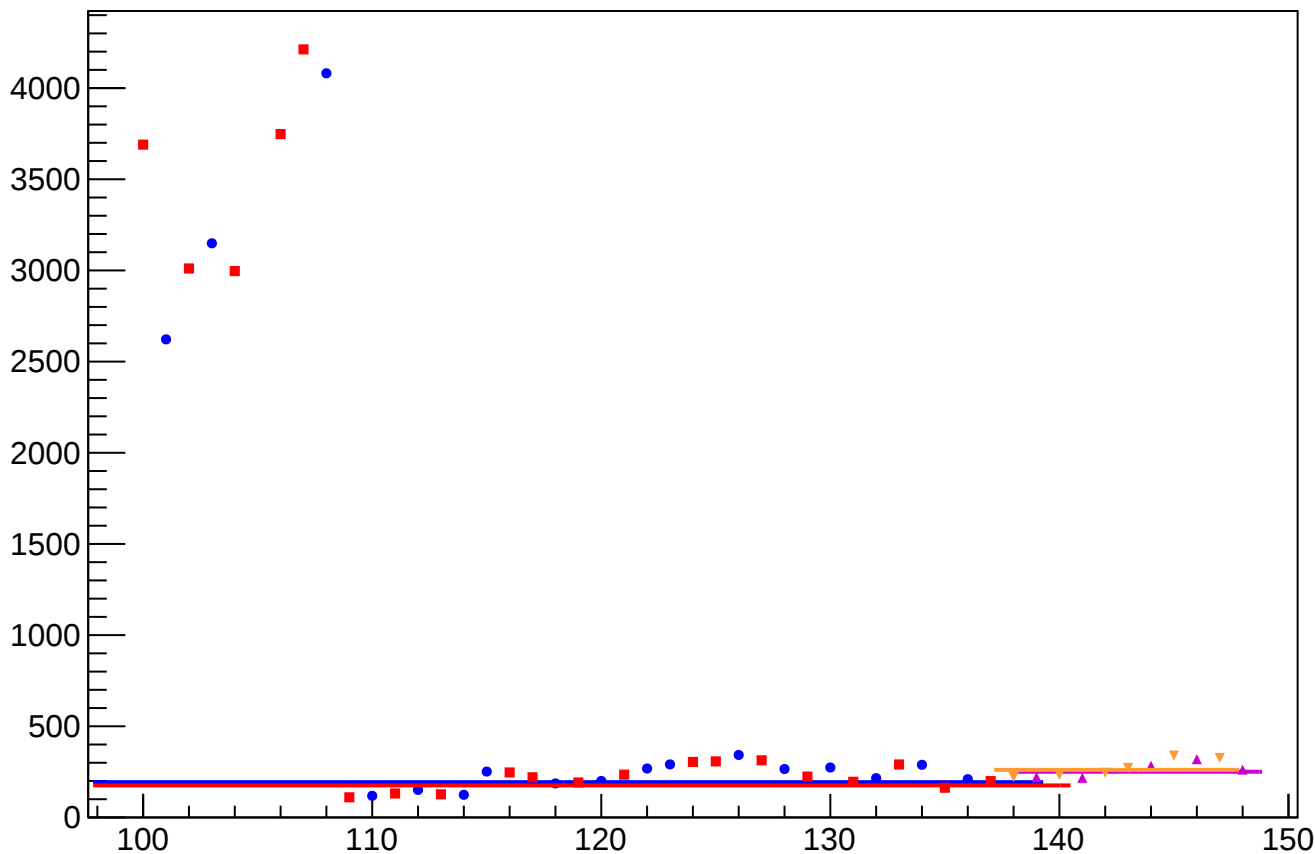
Right Out: -11.533+/-81.530 χ^2/NDF : 12.3/19

Left In: -226.564+/-127.338 χ^2/NDF : 2.5/4

108.059+/-73.591 χ^2/NDF : 13.5/22

-74.053+/-68.662 χ^2/NDF : 16.8/24

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 260.900+/-0.092 χ^2/NDF : 216234.9/5

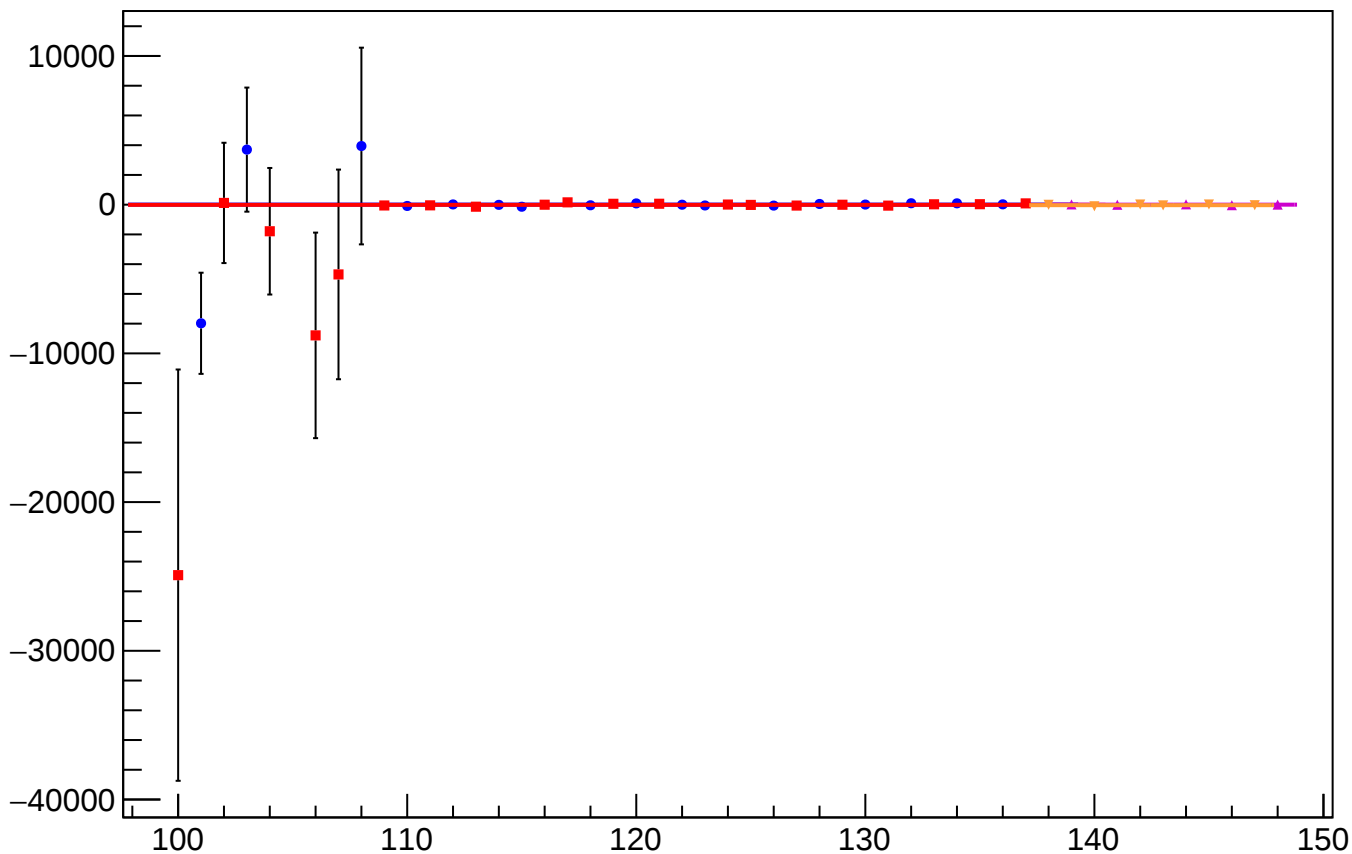
Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

Left In: 250.762+/-0.090 χ^2/NDF : 166092.6/4

215.039+/-0.052 χ^2/NDF : 4117697.0/22

197.577+/-0.049 χ^2/NDF : 4827129.1/24

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565+/-15.052 χ^2 /NDF: 20.4/16

Left Out: -33.267+/-17.615 χ^2 /NDF:5.7/5

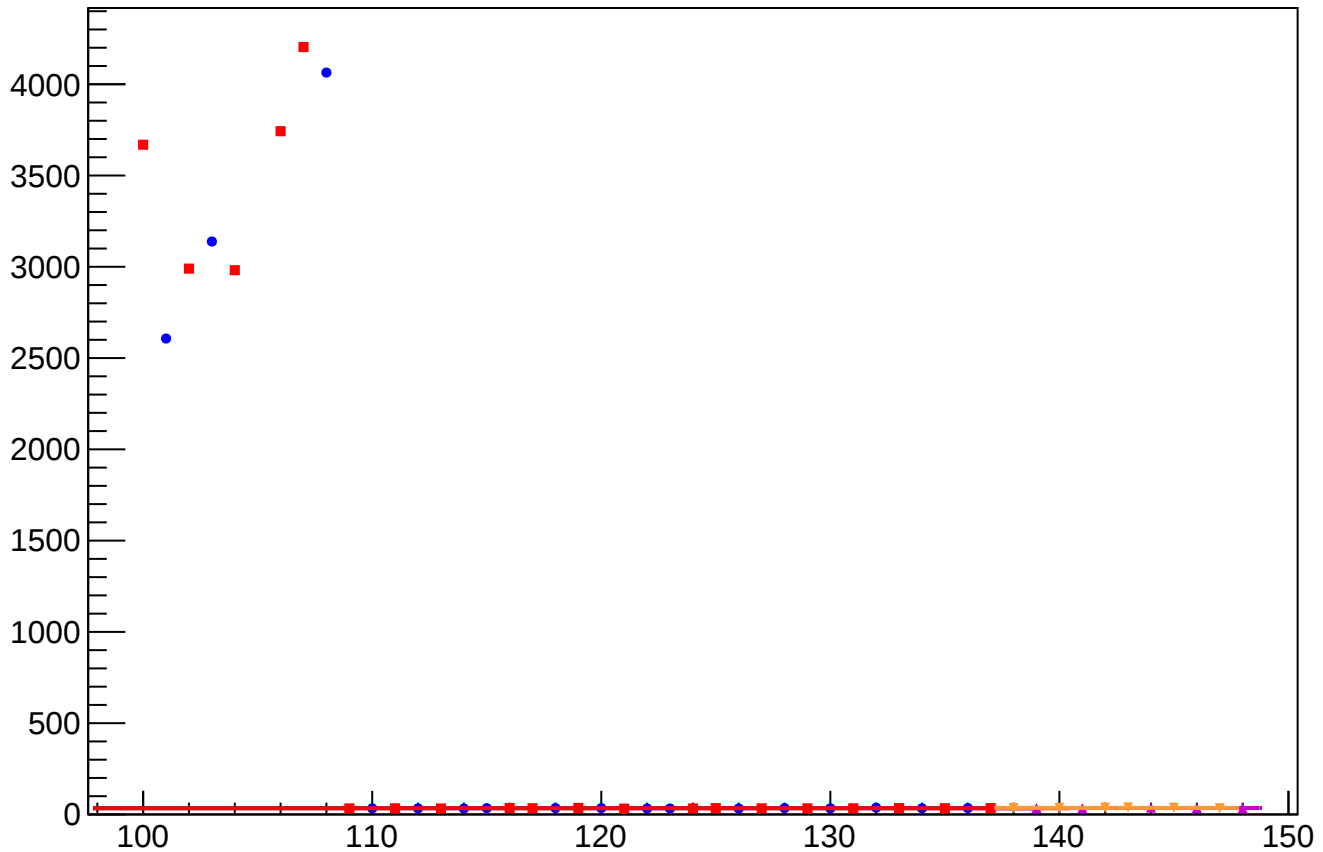
Right Out: -10.775+/-14.891 χ^2 /NDF: 23.0/19

Left In: 0.765+/-17.550 χ^2 /NDF:1.3/4

-10.823+/-11.443 χ^2 /NDF: 28.9/22

-5.944+/-11.354 χ^2 /NDF: 24.6/24

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168+/-0.011 χ^2/NDF : 3006512.8/16

Left Out: 35.934+/-0.012 χ^2/NDF :10805.9/5

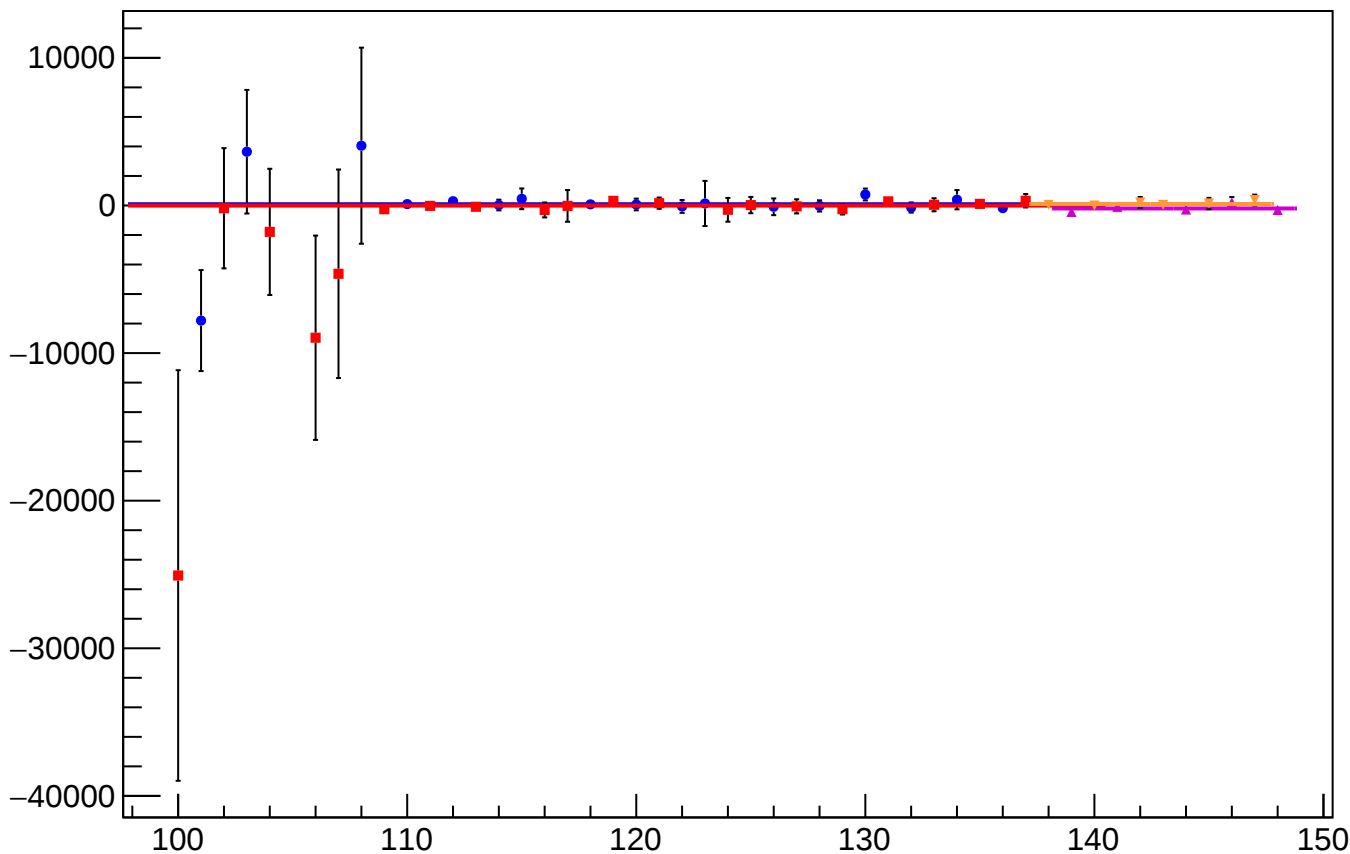
Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

Left In: 35.293+/-0.012 χ^2/NDF :9676.2/4

34.913+/-0.008 χ^2/NDF : 3028949.8/22

34.492+/-0.008 χ^2/NDF : 3468757.2/24

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: 100.142+/-129.156 χ^2/NDF : 0.9/5

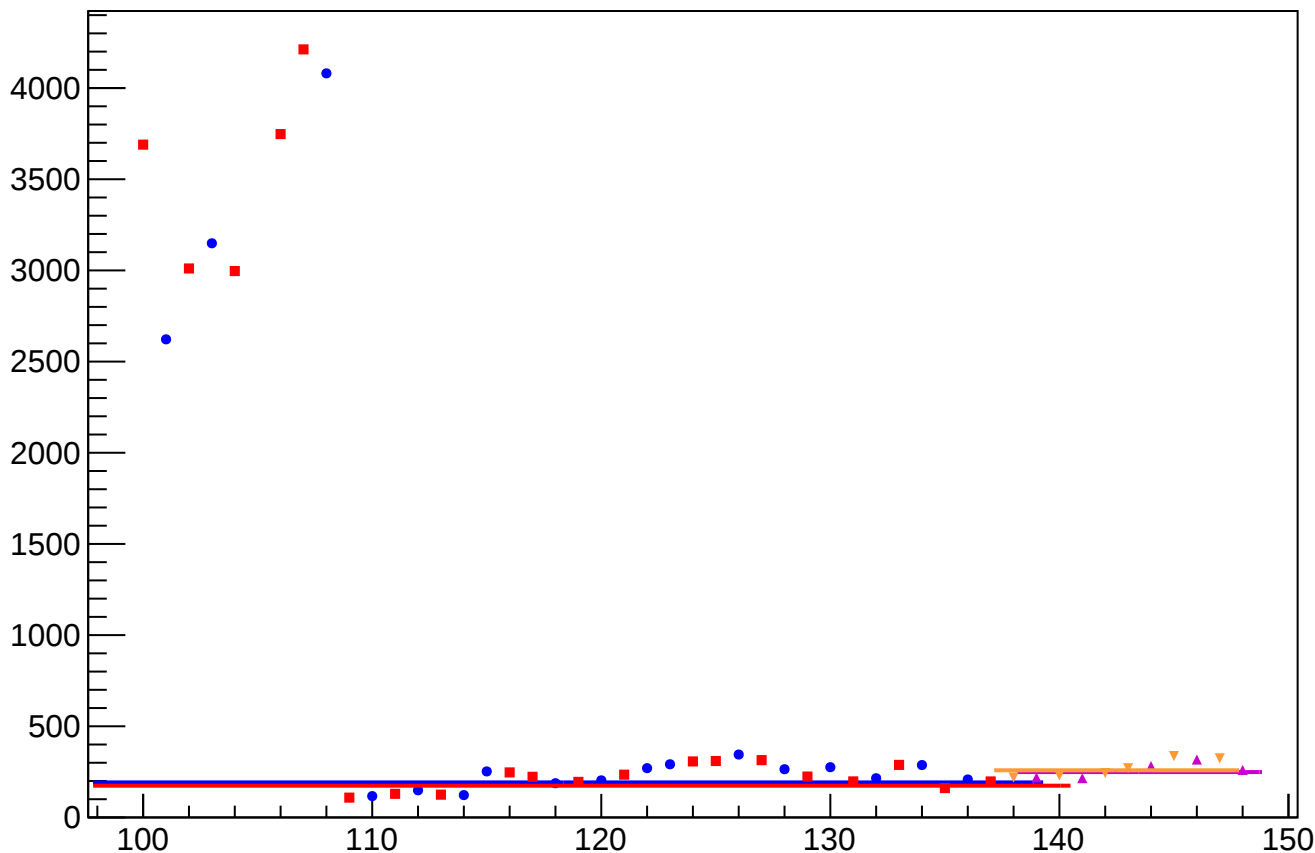
Right Out: -8.682+/-81.026 χ^2/NDF : 11.1/19

Left In: -202.727+/-126.420 χ^2/NDF : 2.6/4

89.520+/-73.144 χ^2/NDF : 13.4/22

-65.183+/-68.217 χ^2/NDF : 15.3/24

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 258.684+/-0.091 χ^2/NDF : 220940.3/5

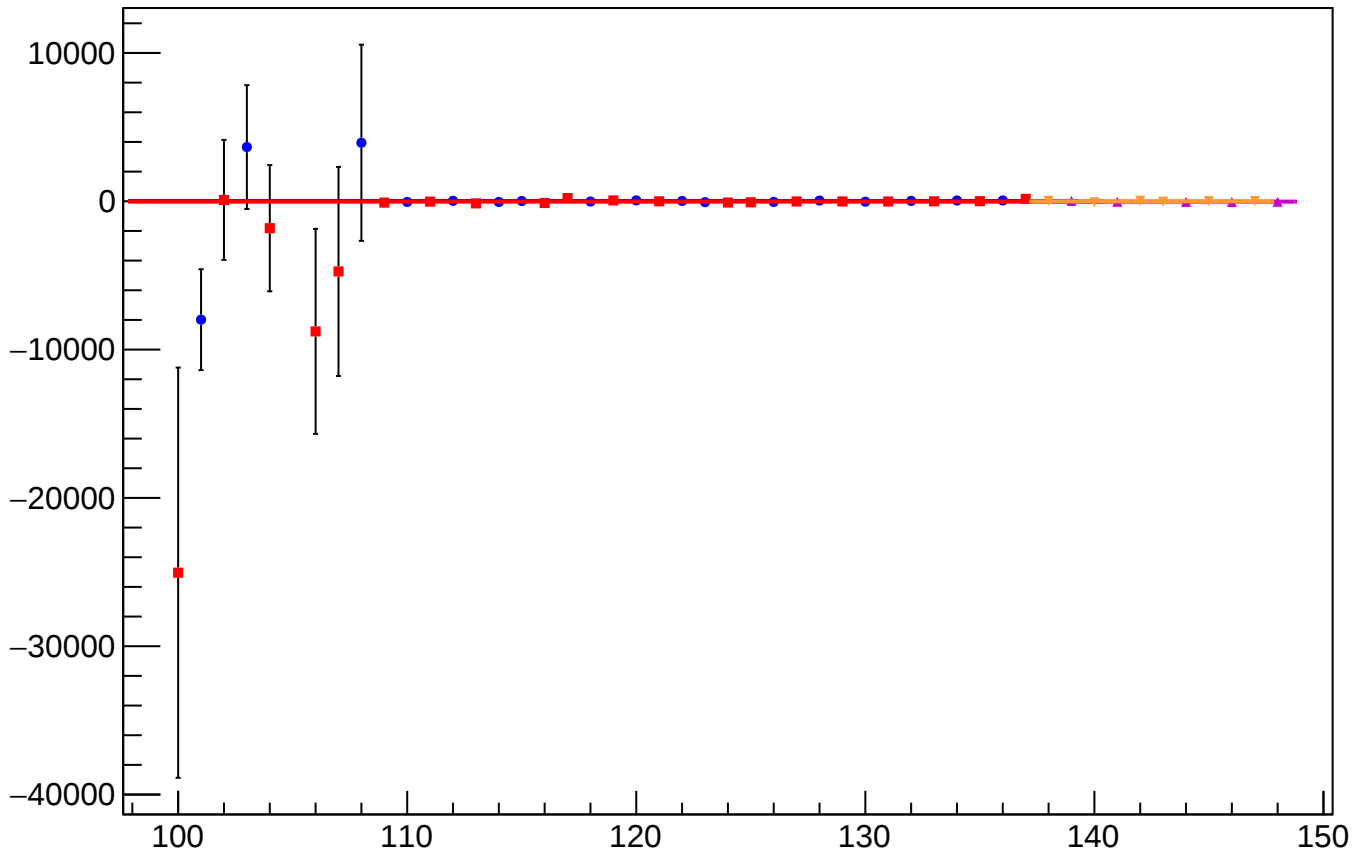
Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

Left In: 248.908+/-0.089 χ^2/NDF : 166736.0/4

213.507+/-0.052 χ^2/NDF : 4155795.6/22

195.981+/-0.048 χ^2/NDF : 4877054.0/24

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -4.919+/-16.207 χ^2/NDF : 5.6/5

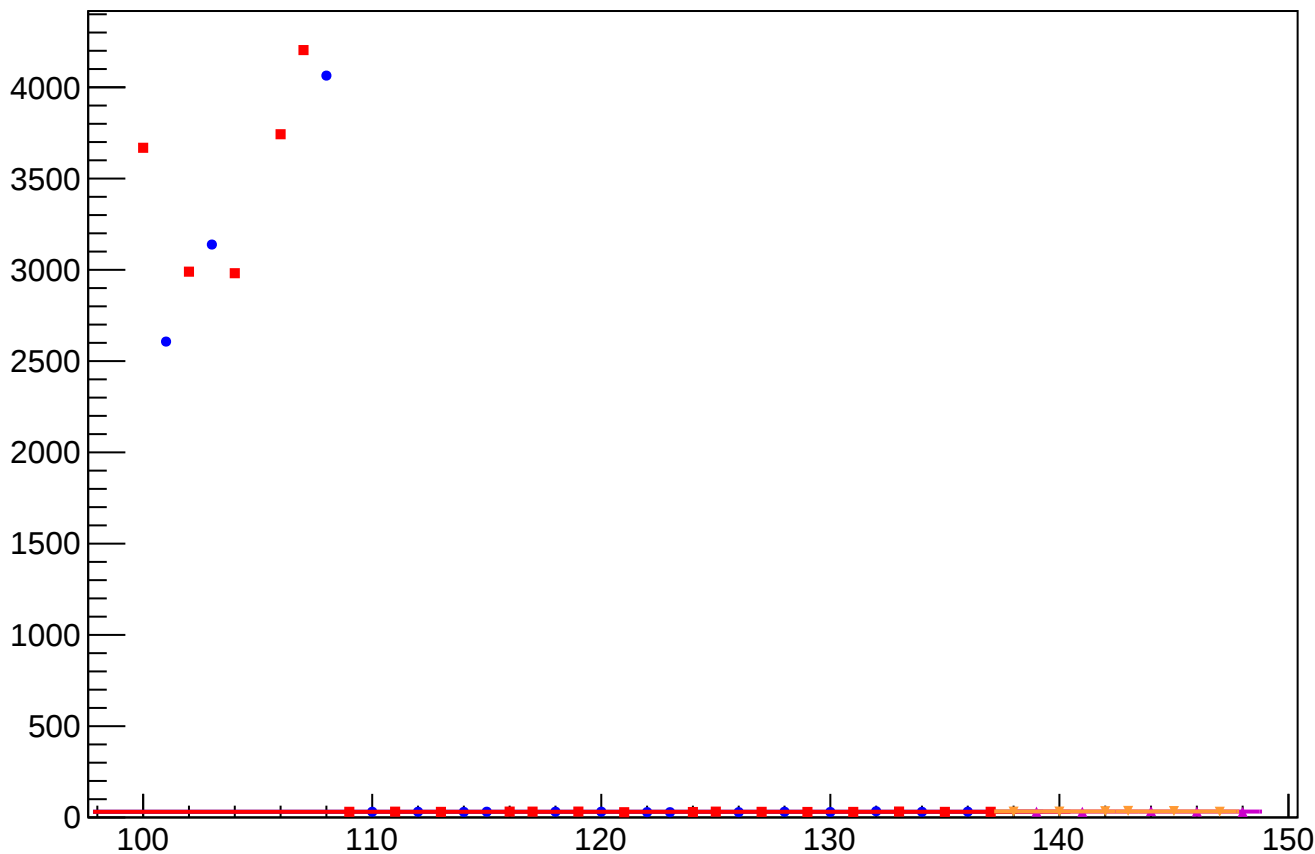
Right Out: -20.740+/-13.606 χ^2/NDF : 30.4/19

Left In: -24.222+/-16.049 χ^2/NDF : 2.5/4

5.372+/-10.473 χ^2/NDF : 20.9/22

-22.196+/-10.378 χ^2/NDF : 32.9/24

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 33.017+/-0.011 χ^2/NDF : 22744.6/5

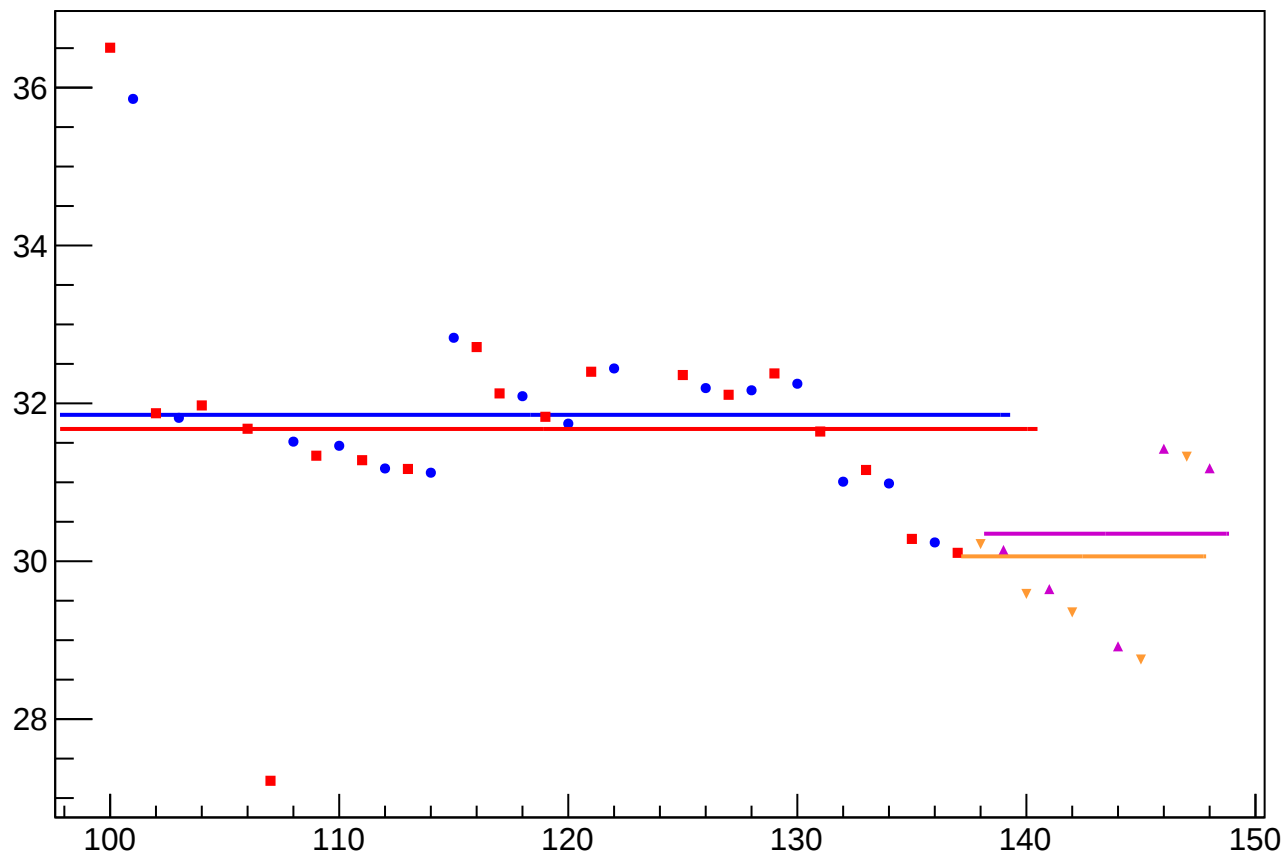
Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

Left In: 32.246+/-0.011 χ^2/NDF : 18747.3/4

31.931+/-0.007 χ^2/NDF : 3052669.3/22

31.503+/-0.007 χ^2/NDF : 3485098.7/24

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.062+/-0.000 χ^2/NDF : 396643416.2/4

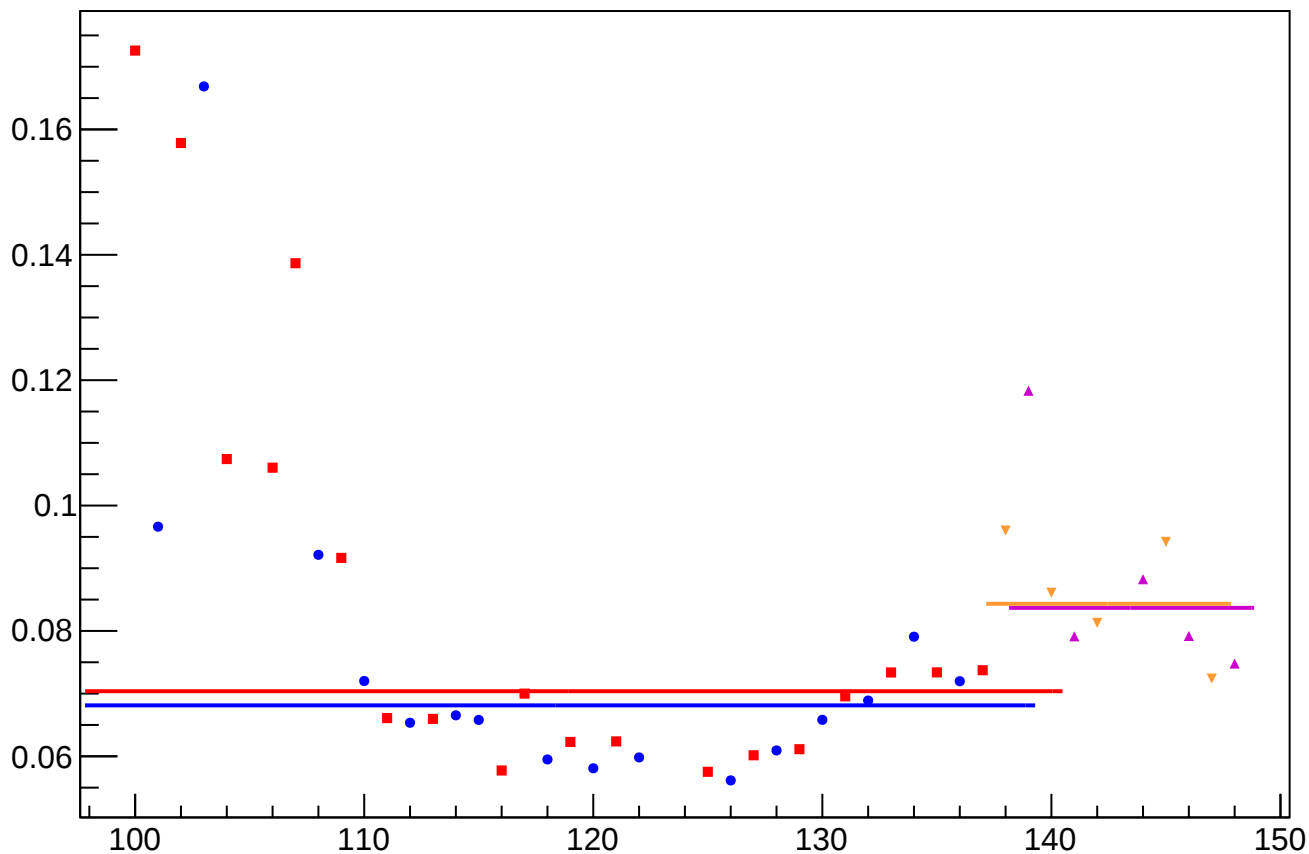
Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

Left In: 30.349+/-0.000 χ^2/NDF : 481122512.2/4

31.395+/-0.000 χ^2/NDF : 2991140916.0/20

31.283+/-0.000 χ^2/NDF : 2027508634.0/23

yield_usl_rms vs Slug



Right In: 0.068 ± 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.084 ± 0.000 χ^2/NDF : 75035.9/4

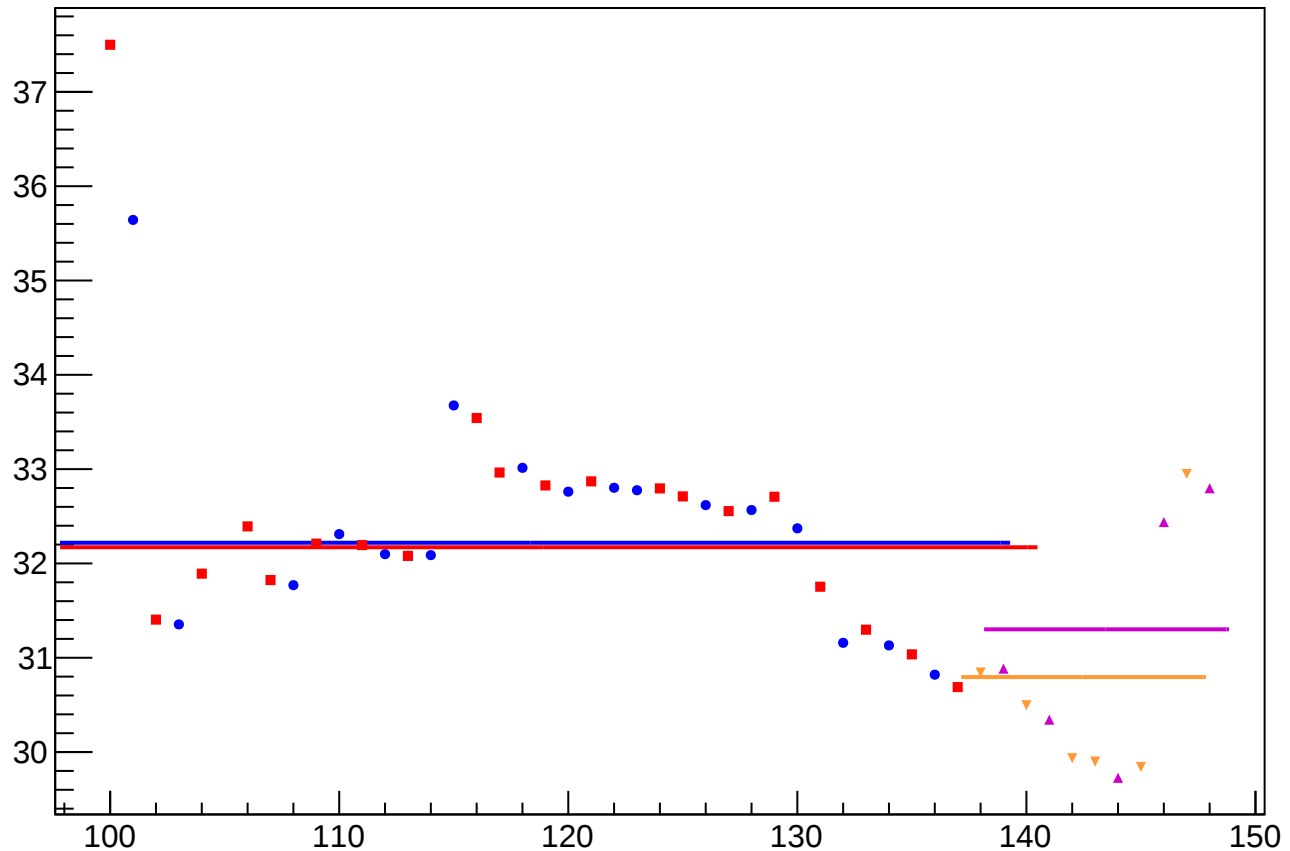
Right Out: 0.070 ± 0.000 χ^2/NDF : 841322.7/18

Left In: 0.084 ± 0.000 χ^2/NDF : 152934.4/4

0.072 ± 0.000 χ^2/NDF : 872047.6/20

0.074 ± 0.000 χ^2/NDF : 1120179.1/23

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 30.795+/-0.000 χ^2/NDF : 825416620.5/5

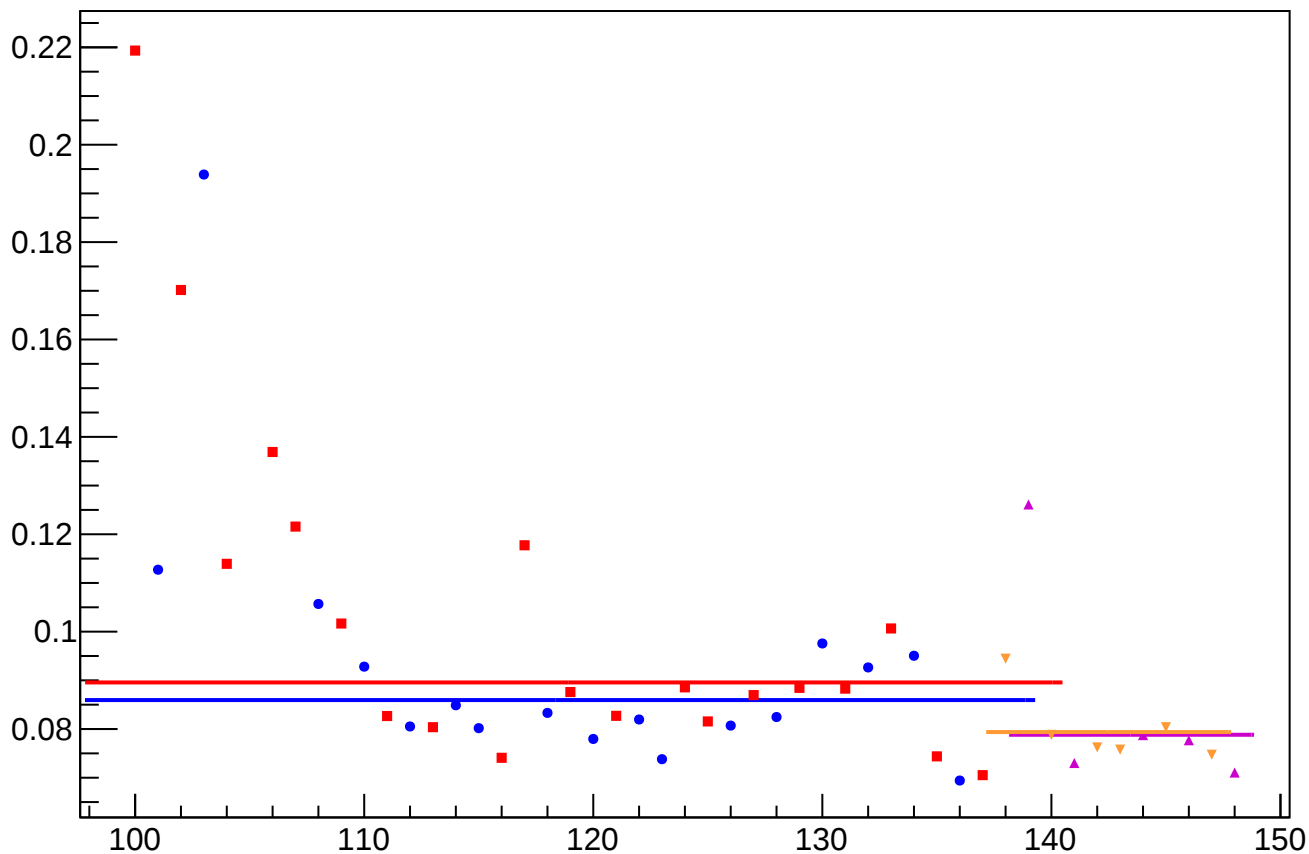
Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

Left In: 31.301+/-0.000 χ^2/NDF : 936594224.2/4

31.615+/-0.000 χ^2/NDF : 2514929836.8/22

31.798+/-0.000 χ^2/NDF : 1631292072.0/24

yield_usr_rms vs Slug



Right In: 0.086 ± 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.079 ± 0.000 χ^2/NDF : 43378.2/5

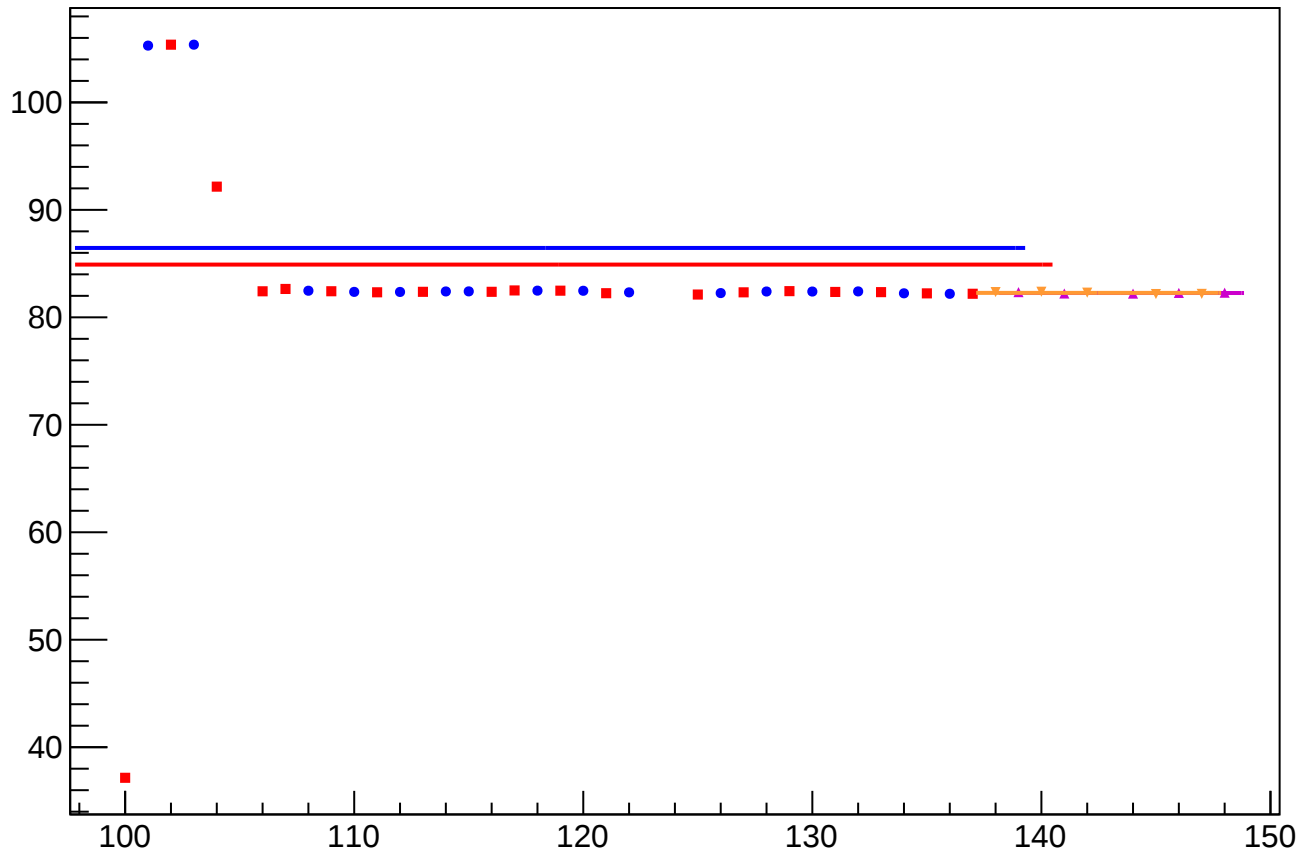
Right Out: 0.090 ± 0.000 χ^2/NDF : 544516.7/19

Left In: 0.079 ± 0.000 χ^2/NDF : 225612.5/4

0.083 ± 0.000 χ^2/NDF : 625403.9/22

0.085 ± 0.000 χ^2/NDF : 846550.4/24

yield_dsl_mean vs Slug



Right In: 86.457 ± 0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.275 ± 0.000 χ^2/NDF : 14572520.1/4

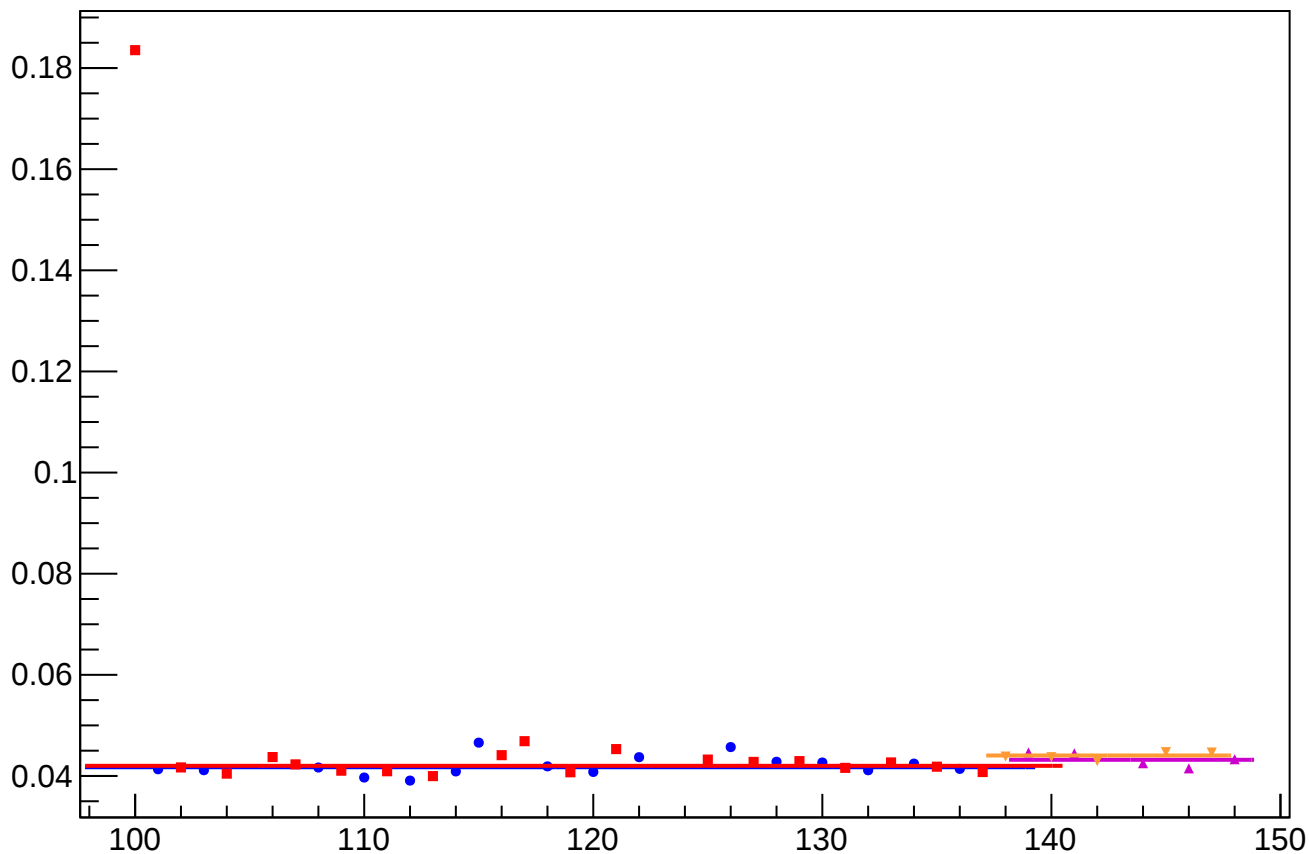
Right Out: 84.908 ± 0.000 χ^2/NDF : 172306803858.3/18

Left In: 82.264 ± 0.000 χ^2/NDF : 5154552.8/4

85.112 ± 0.000 χ^2/NDF : 312632254613.9/20

83.973 ± 0.000 χ^2/NDF : 182011435331.2/23

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.044+/-0.000 χ^2/NDF :1291.9/4

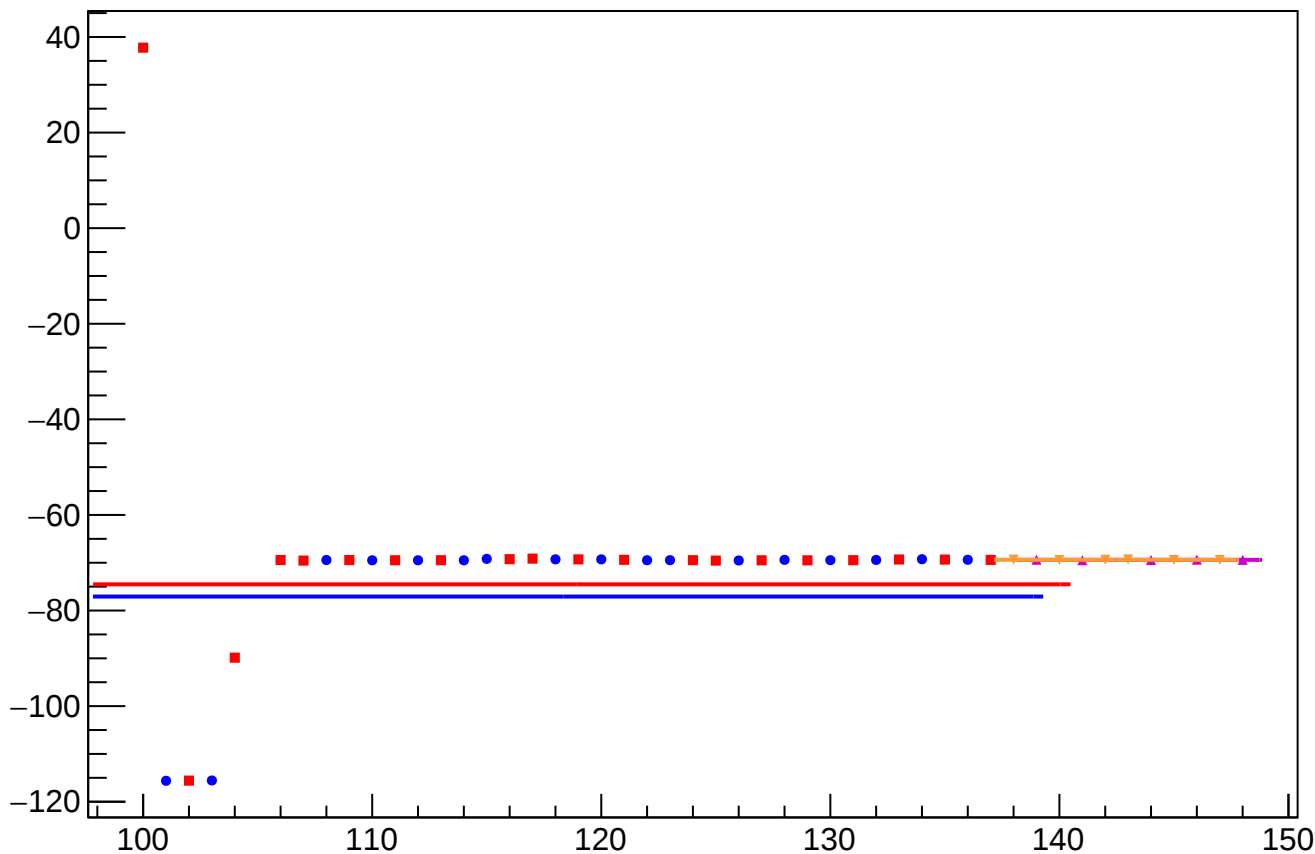
Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

Left In: 0.043+/-0.000 χ^2/NDF :6035.4/4

0.042+/-0.000 χ^2/NDF : 33253.3/20

0.042+/-0.000 χ^2/NDF : 107763.6/23

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.383+/-0.000 χ^2/NDF : 1910031.0/5

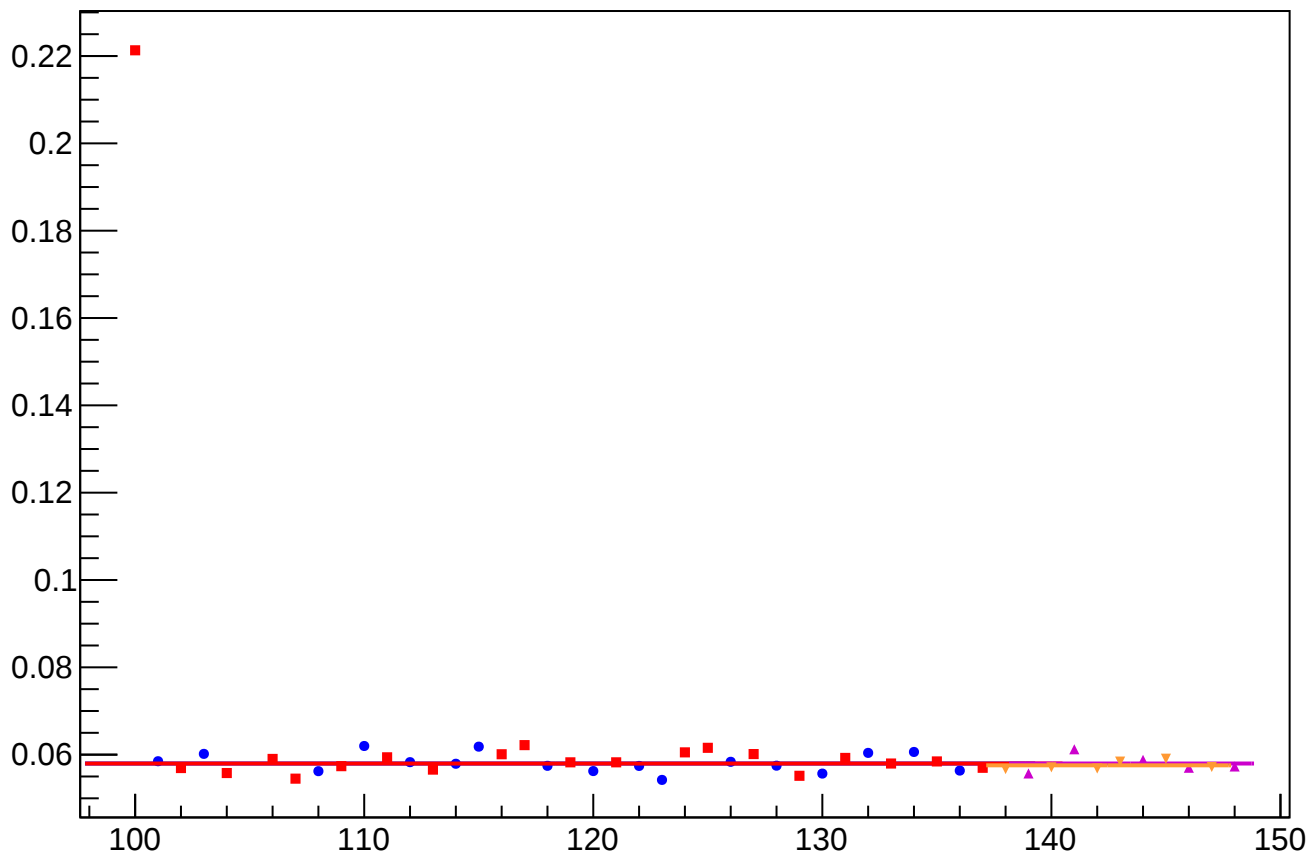
Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

Left In: -69.399+/-0.000 χ^2/NDF : 1904161.6/4

-74.086+/-0.000 χ^2/NDF : 609404135905.9/22

-72.665+/-0.000 χ^2/NDF : 391684035101.5/24

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.058+/-0.000 χ^2/NDF : 1881.8/5

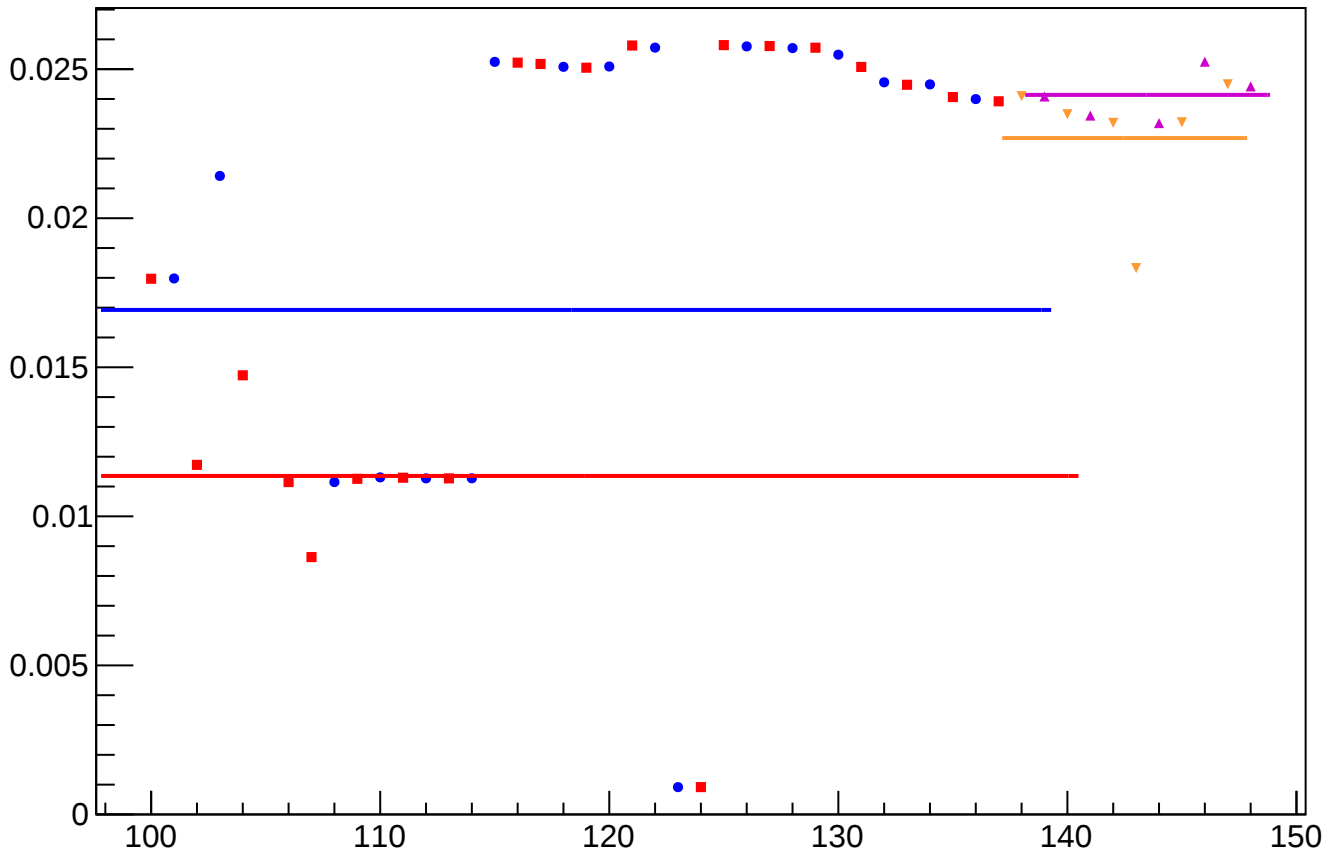
Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

Left In: 0.058+/-0.000 χ^2/NDF : 7991.5/4

0.058+/-0.000 χ^2/NDF : 14413.0/22

0.058+/-0.000 χ^2/NDF : 94852.3/24

yield_atl1_mean vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 126447785006.7/16

Left Out: 0.023+/-0.000 χ^2/NDF : 3673452598.4/5

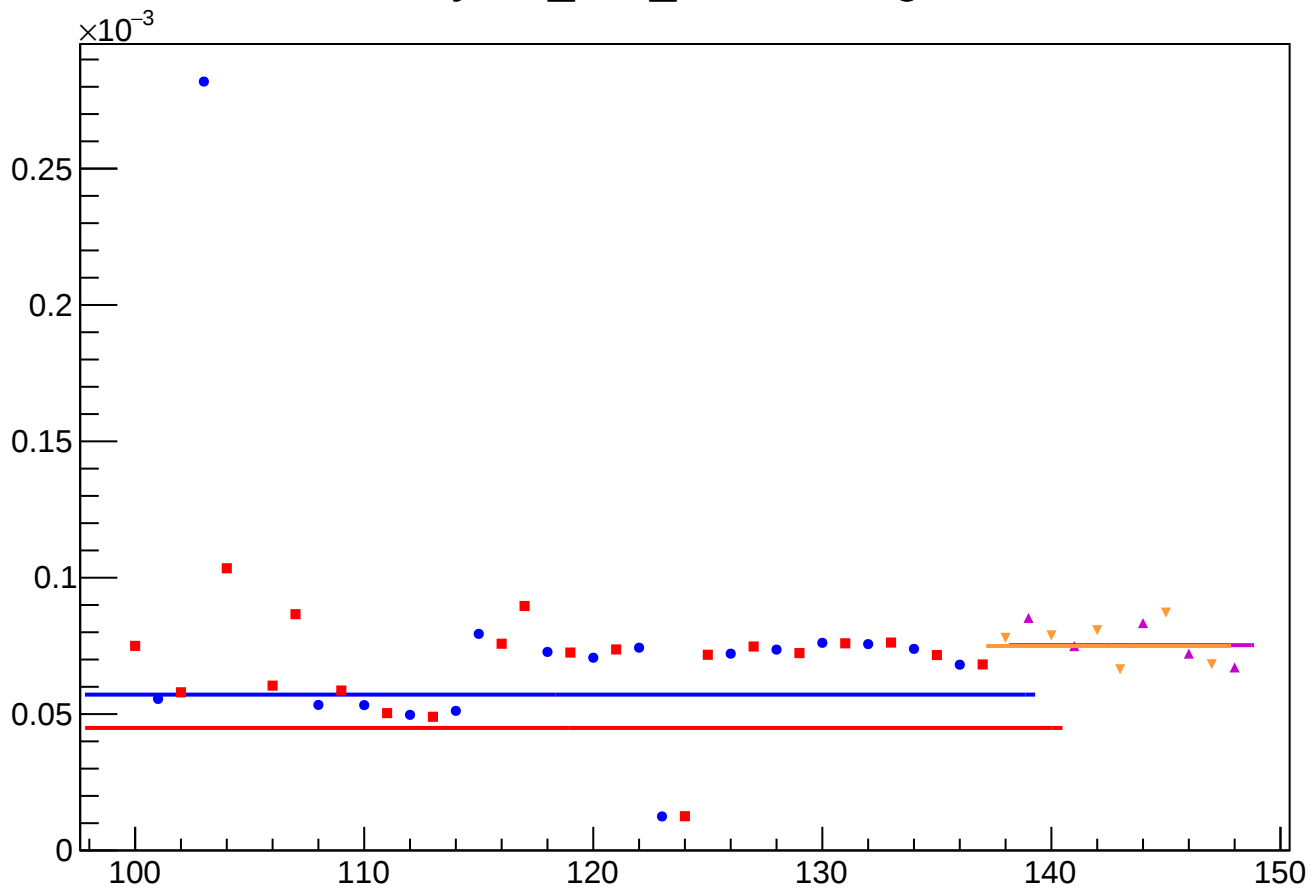
0.019+/-0.000 χ^2/NDF : 146611280252.3/22

Right Out: 0.011+/-0.000 χ^2/NDF : 235754579473.9/19

0.014+/-0.000 χ^2/NDF : 323467403928.2/24

Left In: 0.024+/-0.000 χ^2/NDF : 379054024.4/4

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 74899.9/5

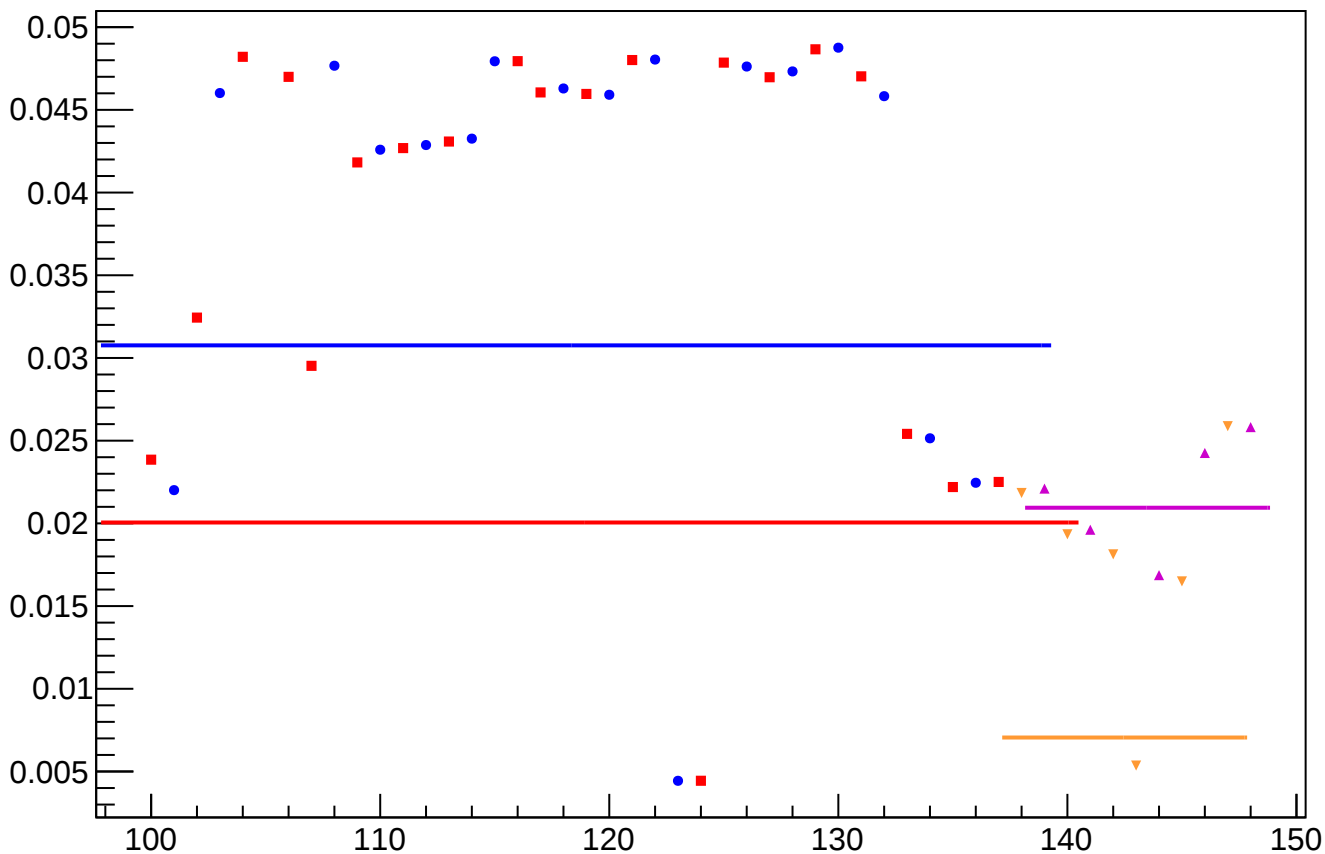
Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

Left In: 0.000+/-0.000 χ^2/NDF : 61337.0/4

0.000+/-0.000 χ^2/NDF : 2390174.2/22

0.000+/-0.000 χ^2/NDF : 4659231.0/24

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.007+/-0.000 χ^2/NDF : 9184884390.8/5

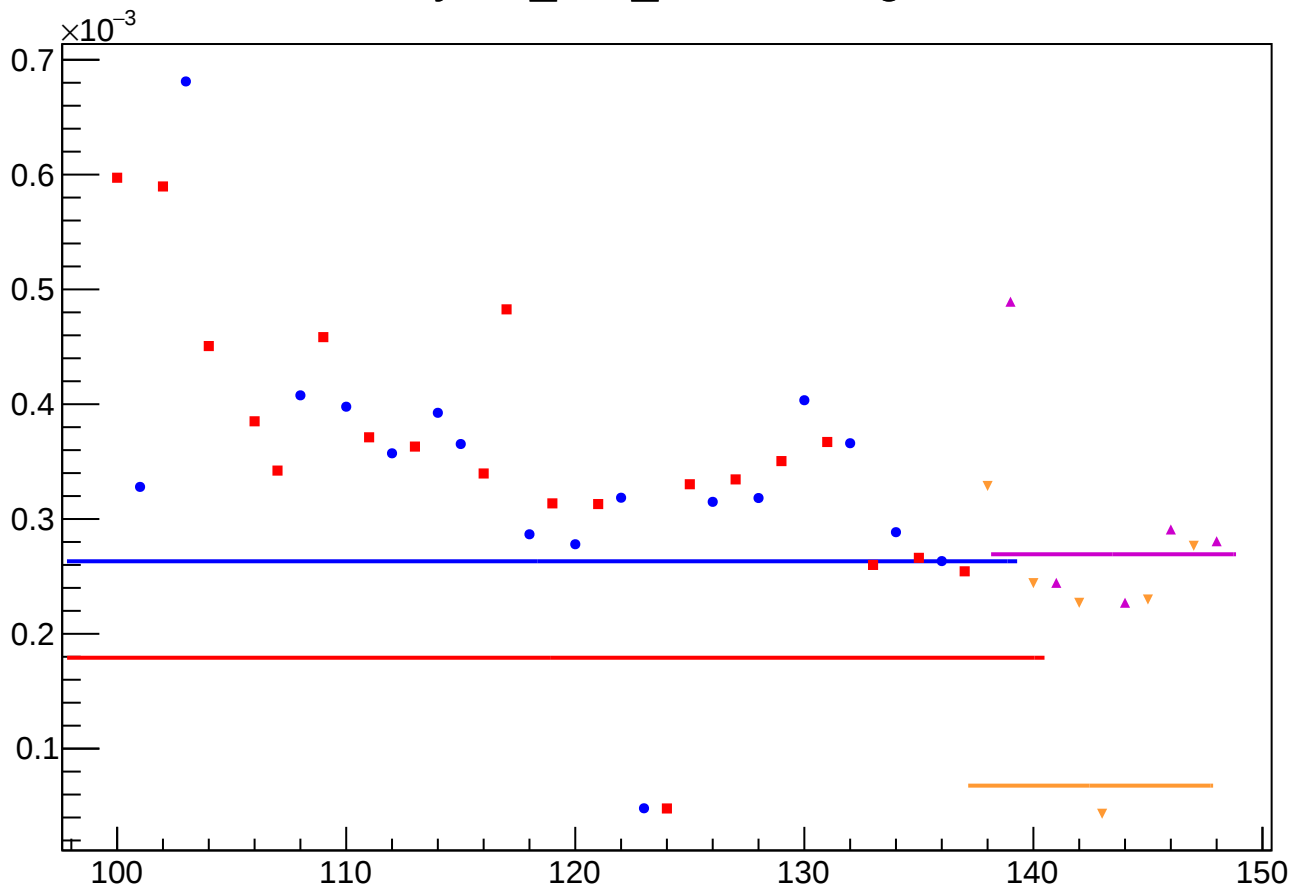
Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

Left In: 0.021+/-0.000 χ^2/NDF : 592189003.0/4

0.011+/-0.000 χ^2/NDF : 64091533241.3/22

0.020+/-0.000 χ^2/NDF : 40753135702.7/24

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 3723135.6/5

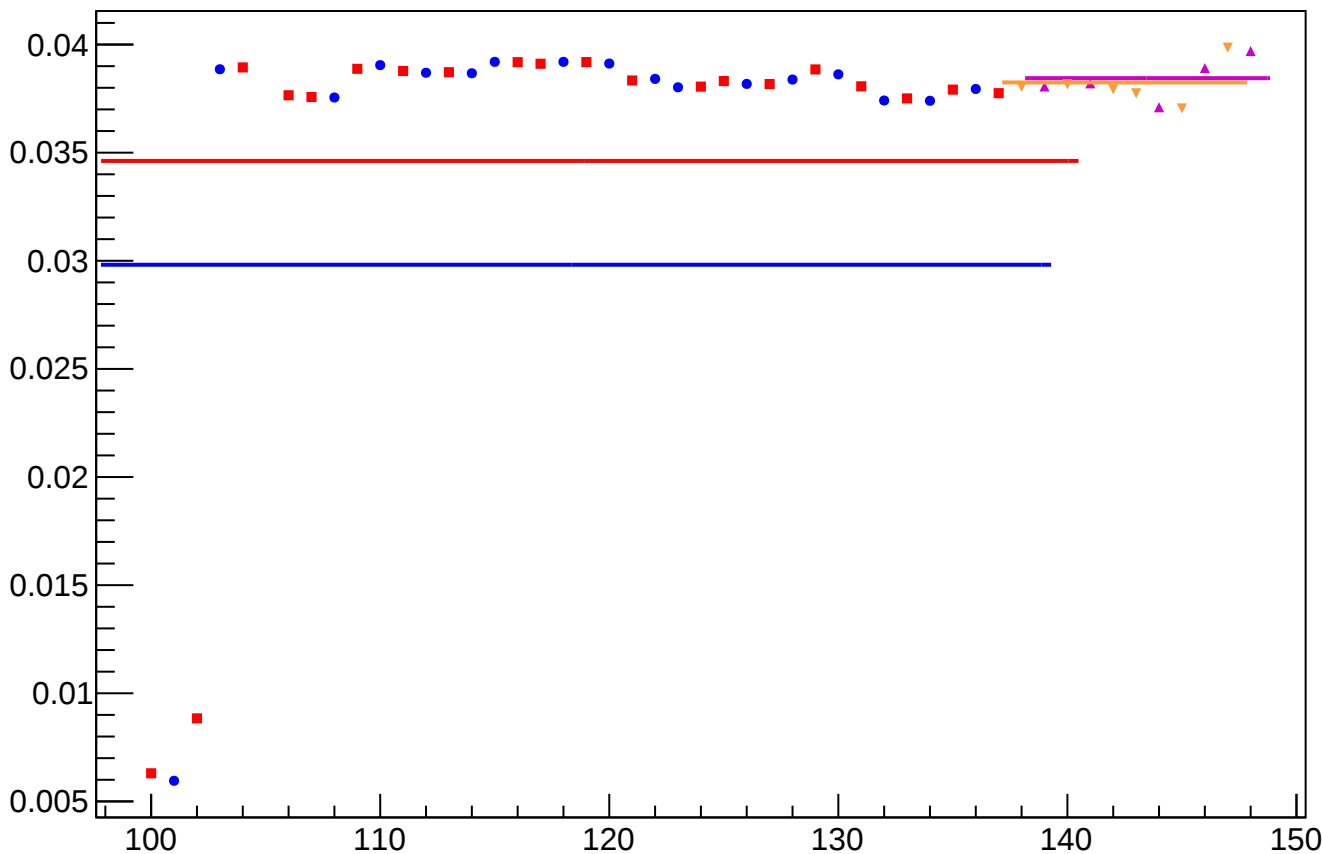
Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

Left In: 0.000+/-0.000 χ^2/NDF : 363040.5/4

0.000+/-0.000 χ^2/NDF : 10708046.6/22

0.000+/-0.000 χ^2/NDF : 6292934.8/24

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.038+/-0.000 χ^2/NDF :173125685.9/5

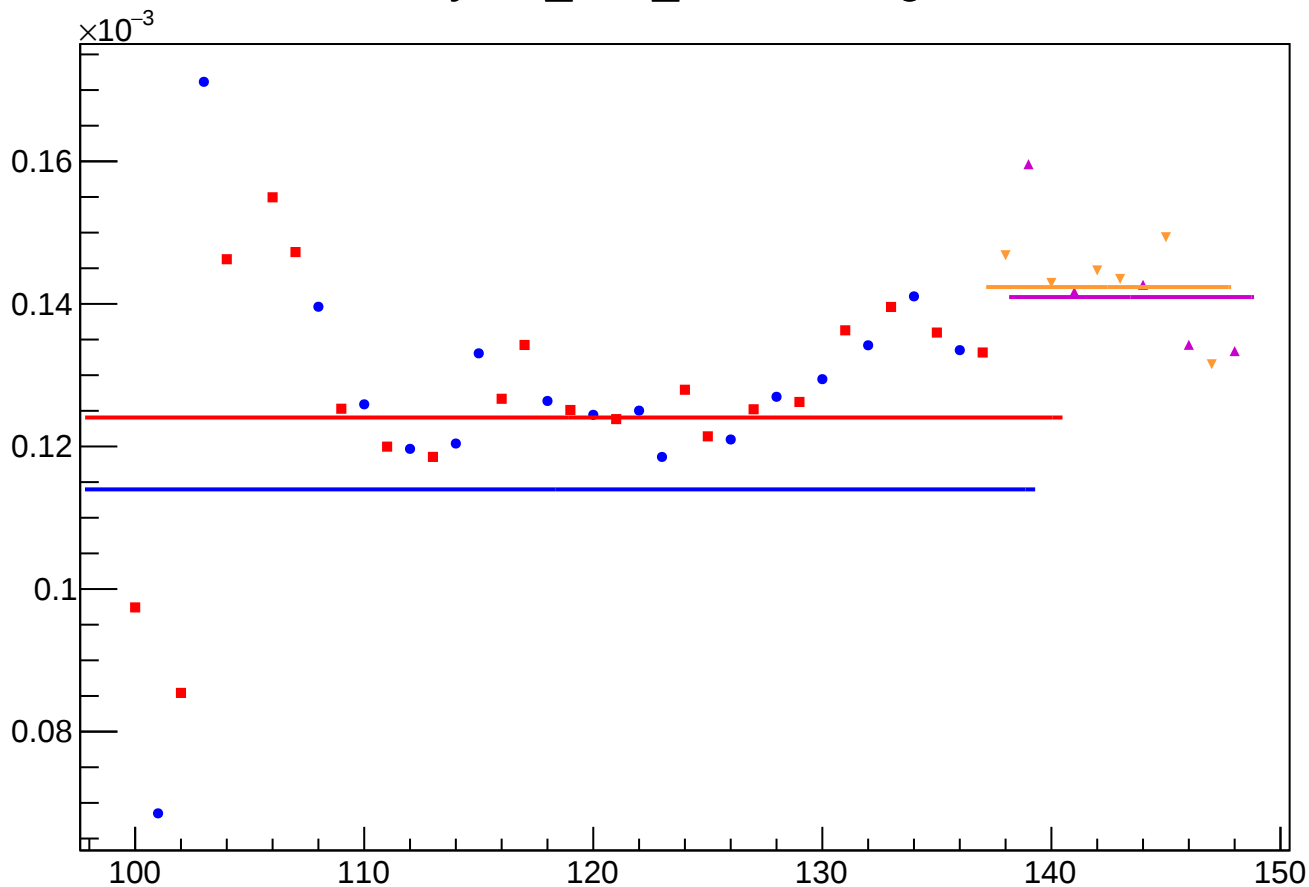
Right Out: 0.035+/-0.000 χ^2/NDF : 43717644957.2/19

Left In: 0.038+/-0.000 χ^2/NDF :158020765.6/4

0.032+/-0.000 χ^2/NDF : 107183189347.8/22

0.036+/-0.000 χ^2/NDF : 45851528299.8/24

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 794542.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15228.0/5

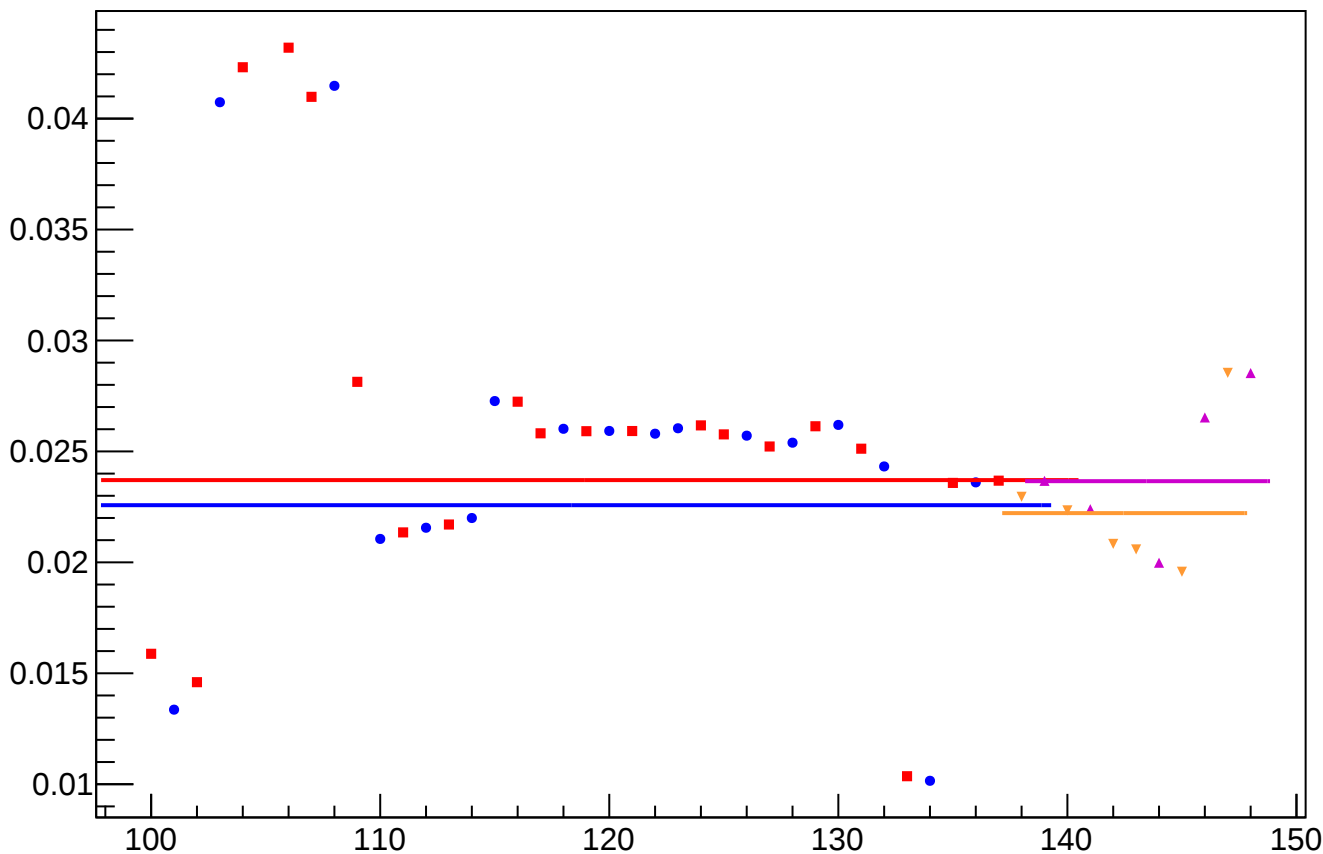
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 245649.5/19

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:28661.2/4

0.000 $\pm$ 0.000 χ^2 /NDF: 1033212.6/22

0.000 $\pm$ 0.000 χ^2 /NDF: 351325.9/24

yield_atr2_mean vs Slug



Right In: 0.023 ± 0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.022 ± 0.000 χ^2/NDF : 515870587.4/5

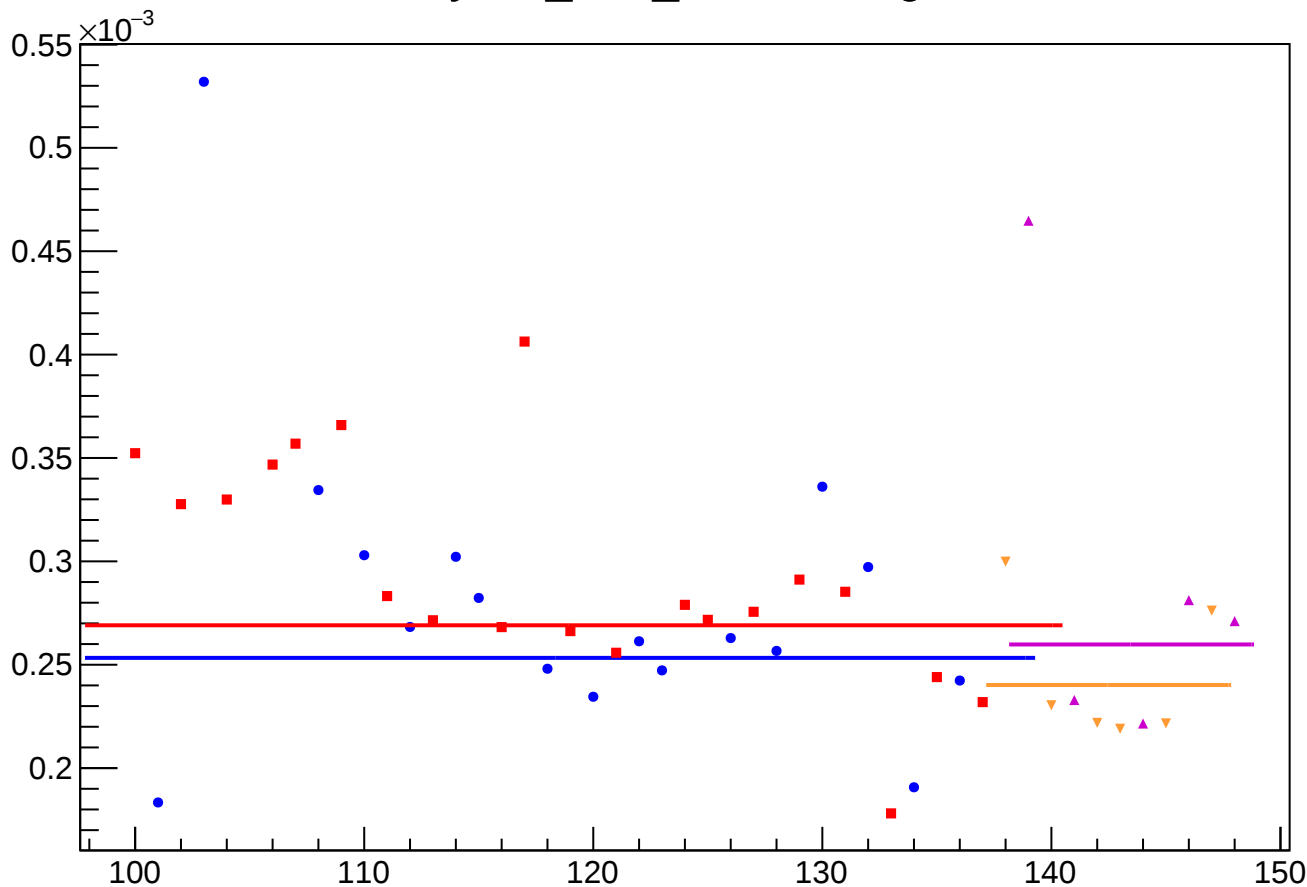
Right Out: 0.024 ± 0.000 χ^2/NDF : 5652505580.7/19

Left In: 0.024 ± 0.000 χ^2/NDF : 554405871.3/4

0.022 ± 0.000 χ^2/NDF : 4768293419.9/22

0.024 ± 0.000 χ^2/NDF : 6206986790.6/24

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF :101382.1/5

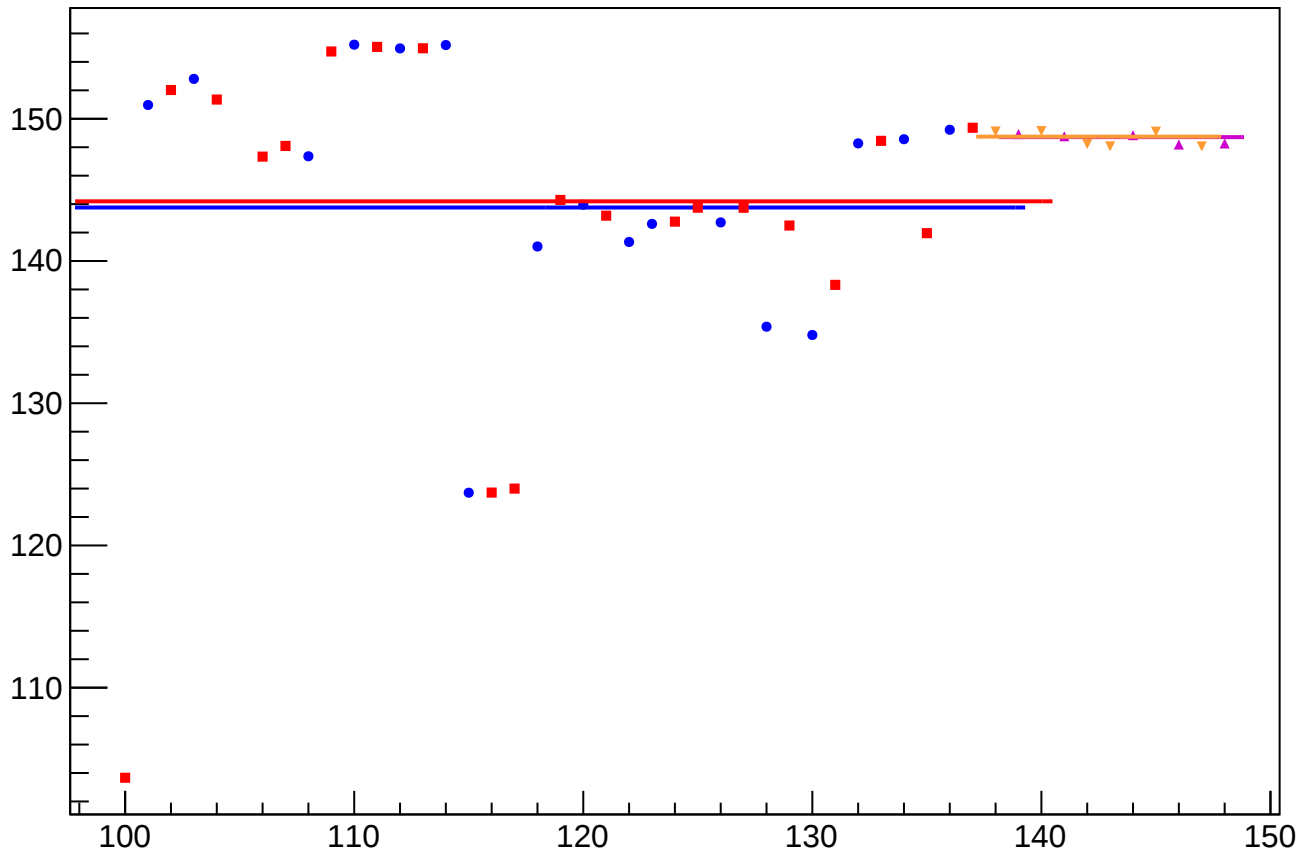
Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

Left In: 0.000+/-0.000 χ^2/NDF :350463.2/4

0.000+/-0.000 χ^2/NDF : 743097.1/22

0.000+/-0.000 χ^2/NDF : 793761.7/24

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.743 $\pm$ 0.000 χ^2/NDF : 8102584.8/5

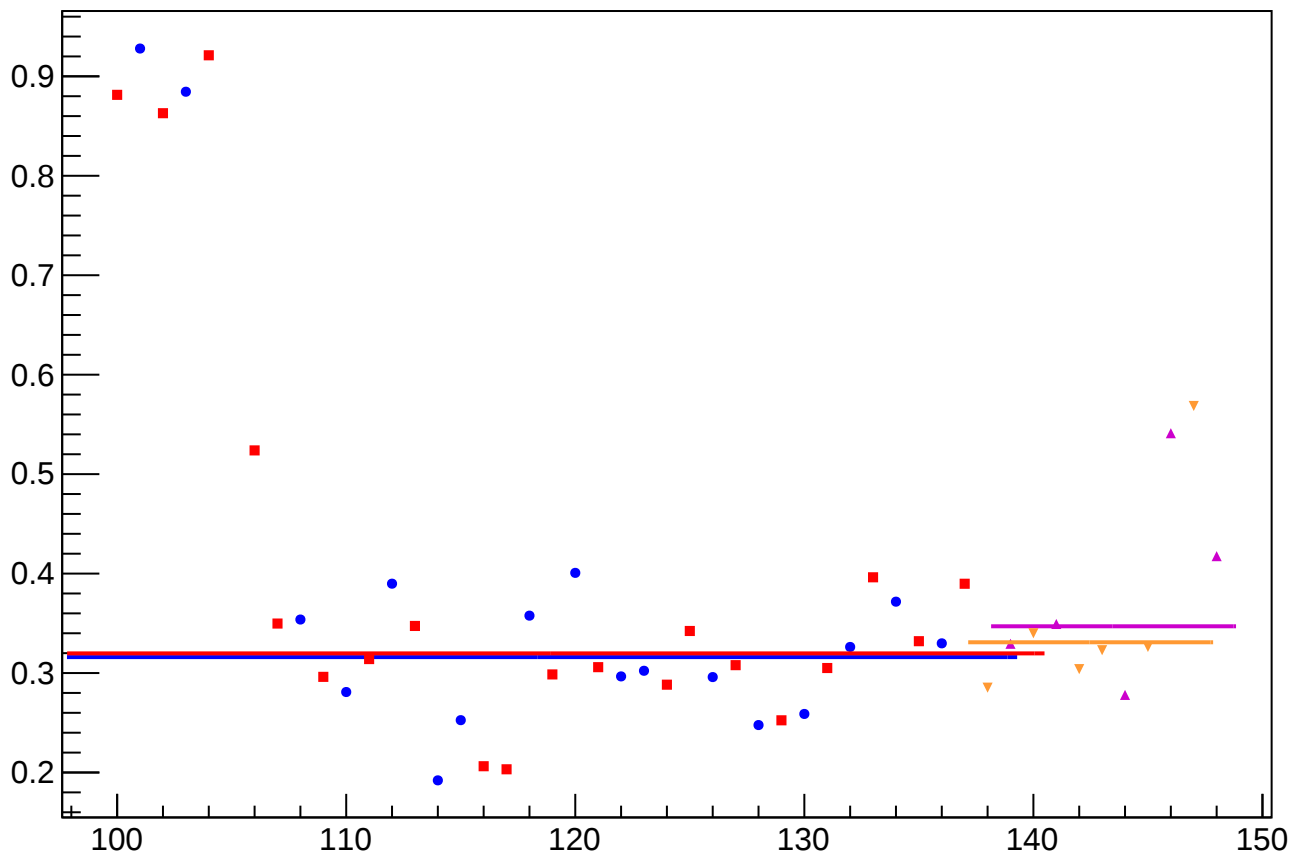
Right Out: 144.197 $\pm$ 0.000 χ^2/NDF : 4523139755.0/19

Left In: 148.710 $\pm$ 0.000 χ^2/NDF : 2101644.0/4

145.684 $\pm$ 0.000 χ^2/NDF : 4075029583.1/22

145.771 $\pm$ 0.000 χ^2/NDF : 4933654872.6/24

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 ± 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.331 ± 0.000 χ^2/NDF : 302100.3/5

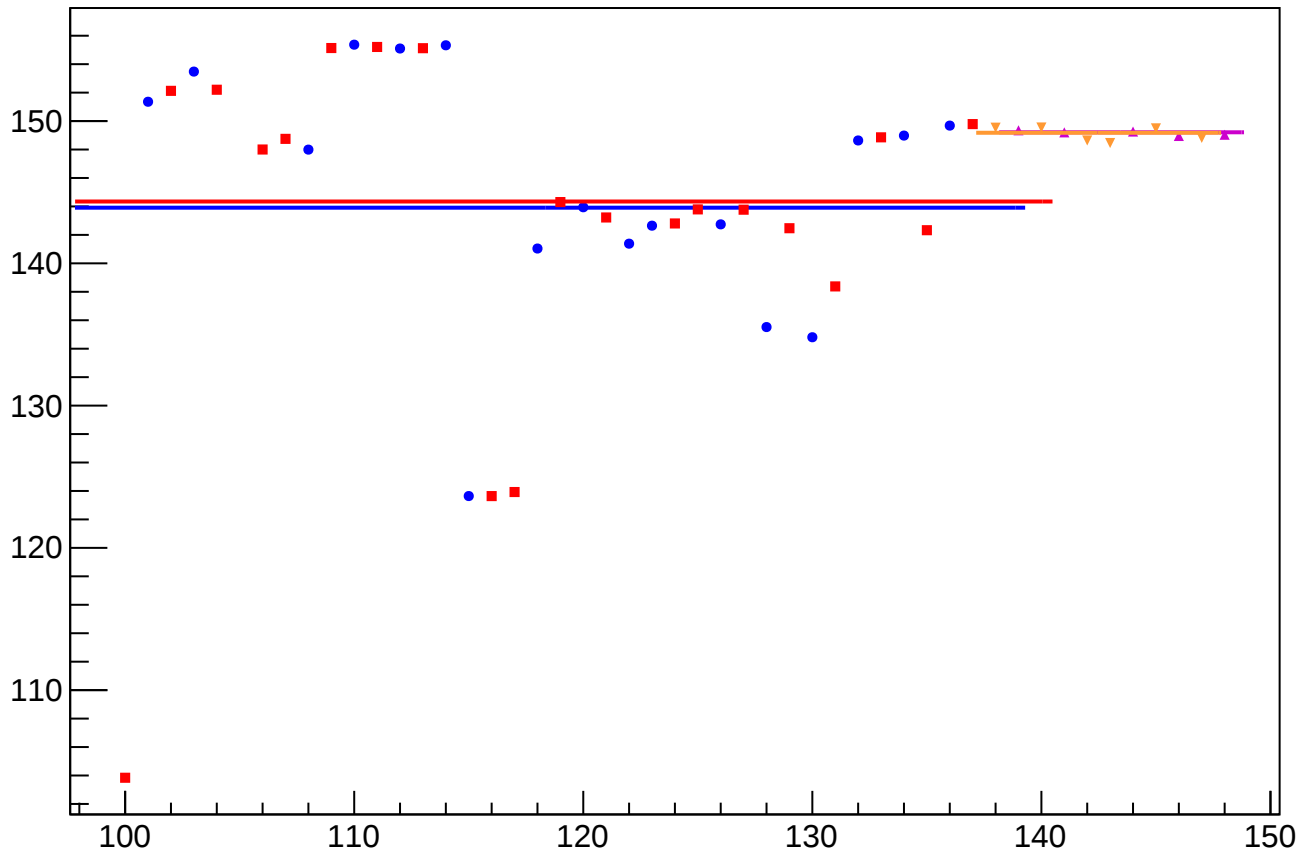
Right Out: 0.320 ± 0.000 χ^2/NDF : 1241752.3/19

Left In: 0.347 ± 0.000 χ^2/NDF : 354683.9/4

0.322 ± 0.000 χ^2/NDF : 1577551.8/22

0.329 ± 0.000 χ^2/NDF : 1626216.6/24

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 ± 0.000 χ^2/NDF : 3587769790.2/16

Left Out: 149.178 ± 0.000 χ^2/NDF : 7328333.3/5

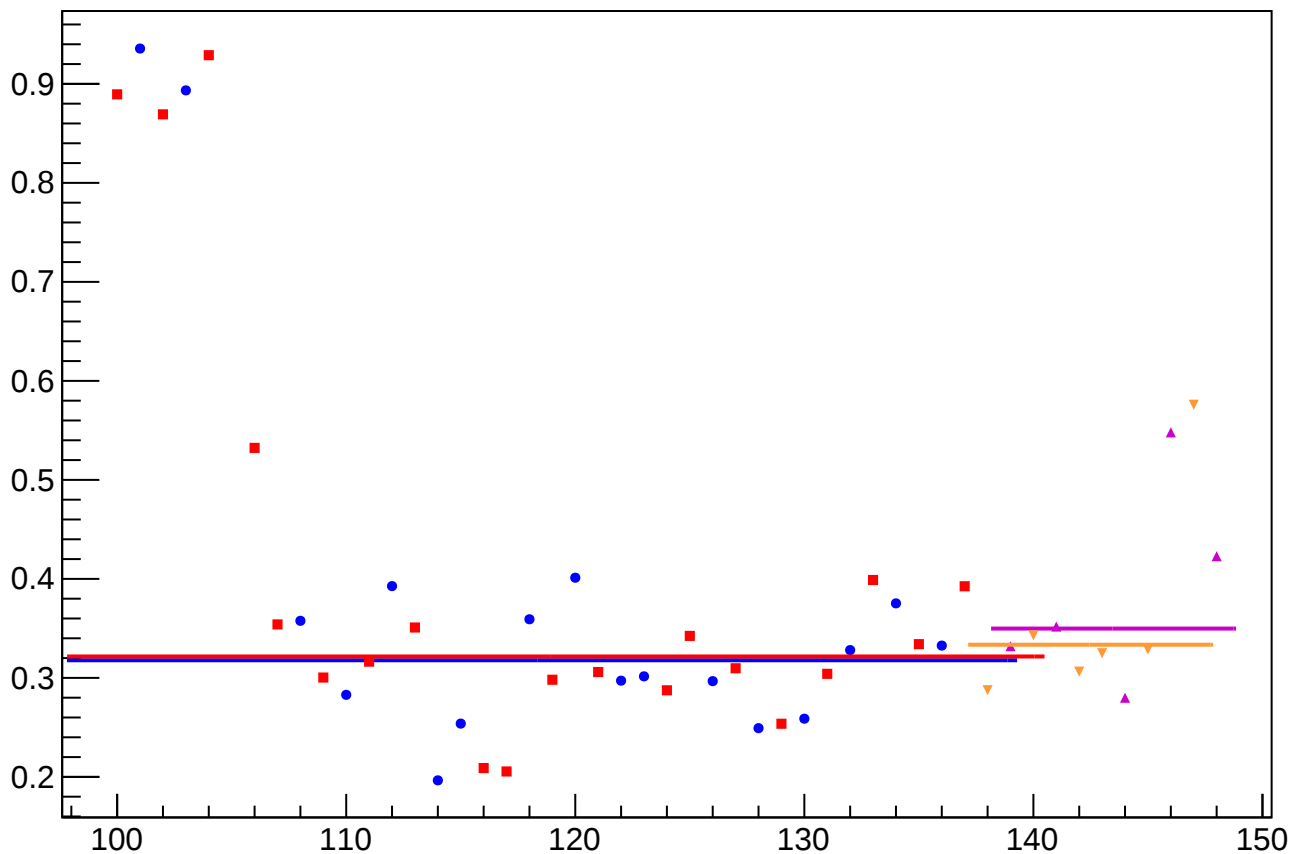
Right Out: 144.347 ± 0.000 χ^2/NDF : 4550581147.9/19

Left In: 149.212 ± 0.000 χ^2/NDF : 453081.7/4

145.938 ± 0.000 χ^2/NDF : 4181879342.8/22

146.038 ± 0.000 χ^2/NDF : 5018586962.1/24

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.334 ± 0.000 χ^2/NDF : 305829.6/5

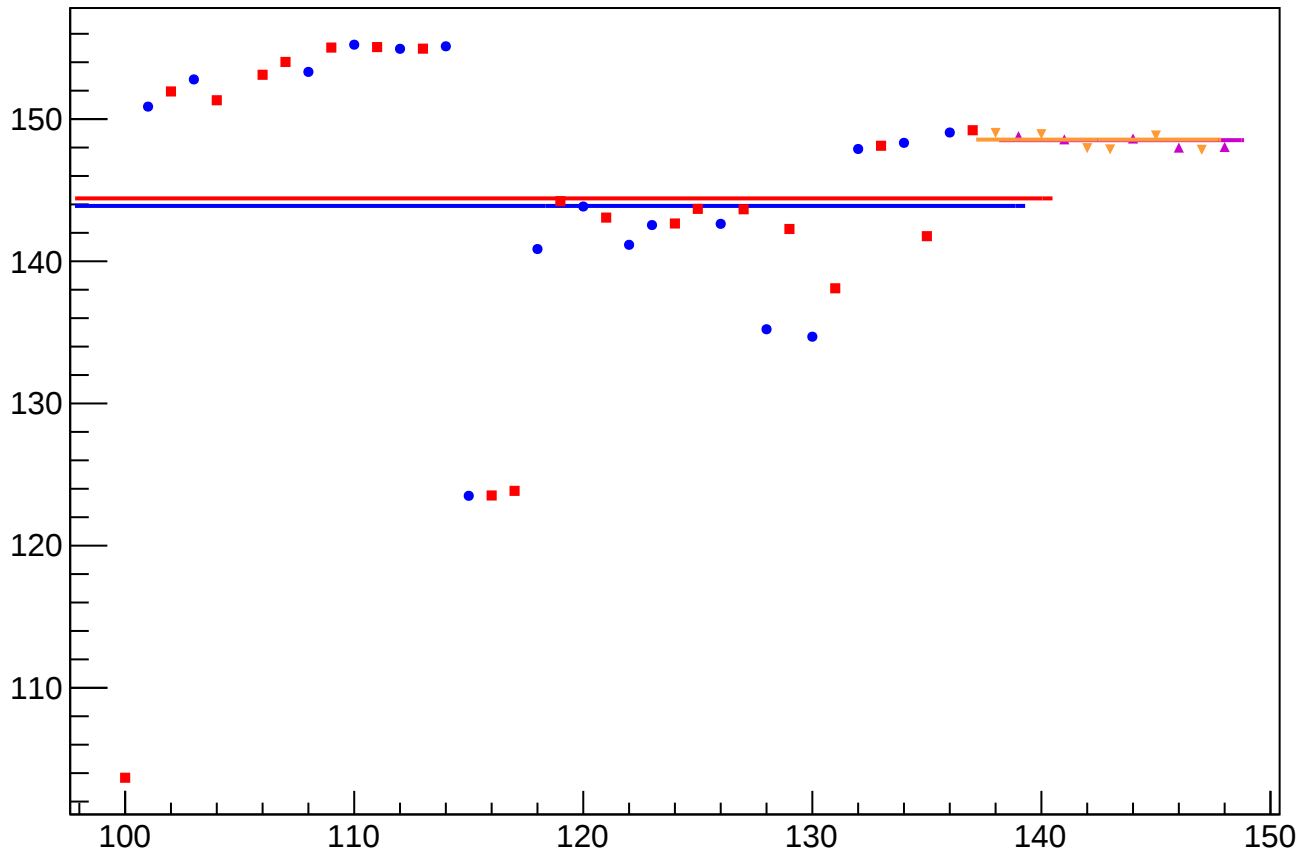
Right Out: 0.322 ± 0.000 χ^2/NDF : 1244304.0/19

Left In: 0.350 ± 0.000 χ^2/NDF : 361142.8/4

0.324 ± 0.000 χ^2/NDF : 1584526.5/22

0.331 ± 0.000 χ^2/NDF : 1636818.7/24

yield_bcm_an_us_mean vs Slug



Right In: 143.893 ± 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.558 ± 0.000 χ^2/NDF : 9045302.8/5

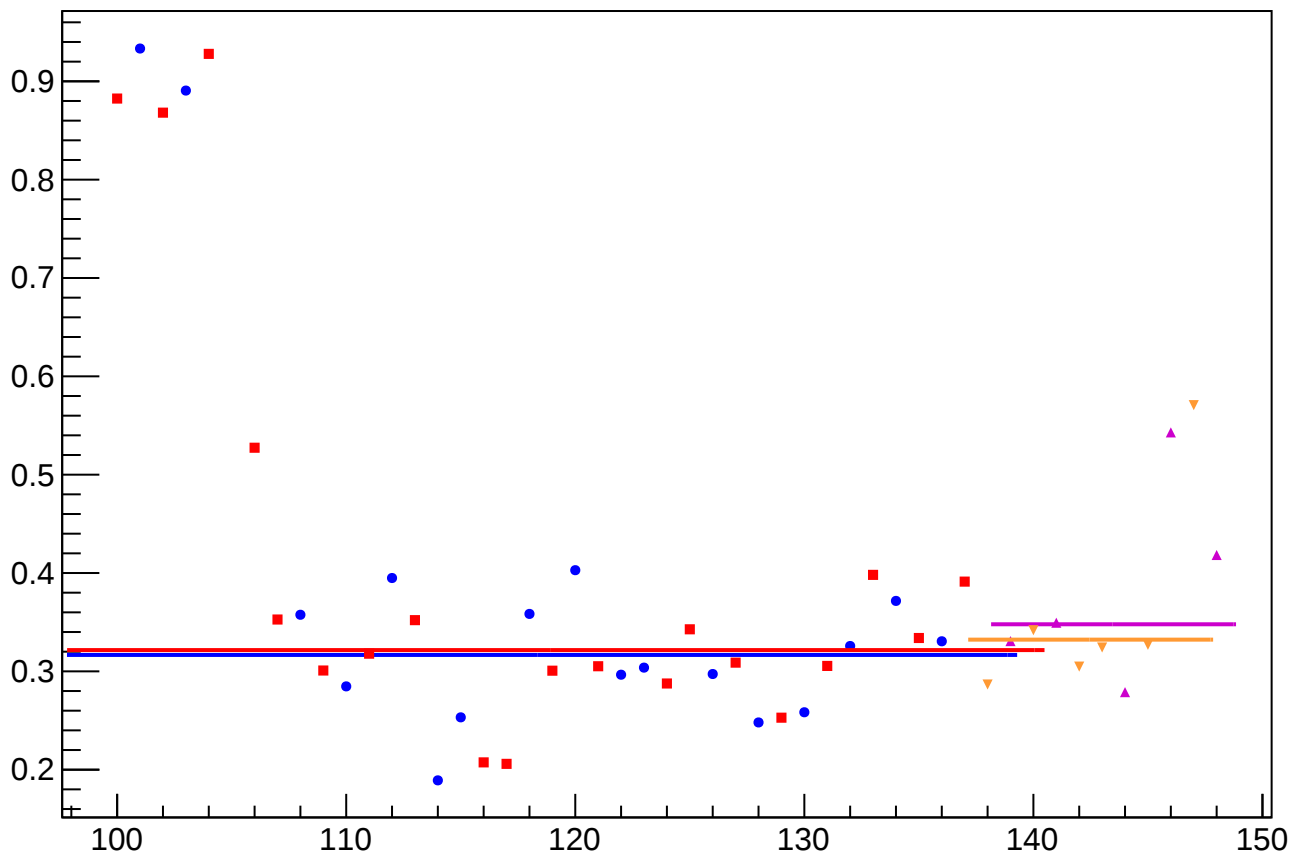
Right Out: 144.423 ± 0.000 χ^2/NDF : 4819194675.6/19

Left In: 148.519 ± 0.000 χ^2/NDF : 2390747.4/4

145.691 ± 0.000 χ^2/NDF : 4225186241.2/22

145.858 ± 0.000 χ^2/NDF : 5155574738.8/24

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.332 ± 0.000 χ^2/NDF : 301974.0/5

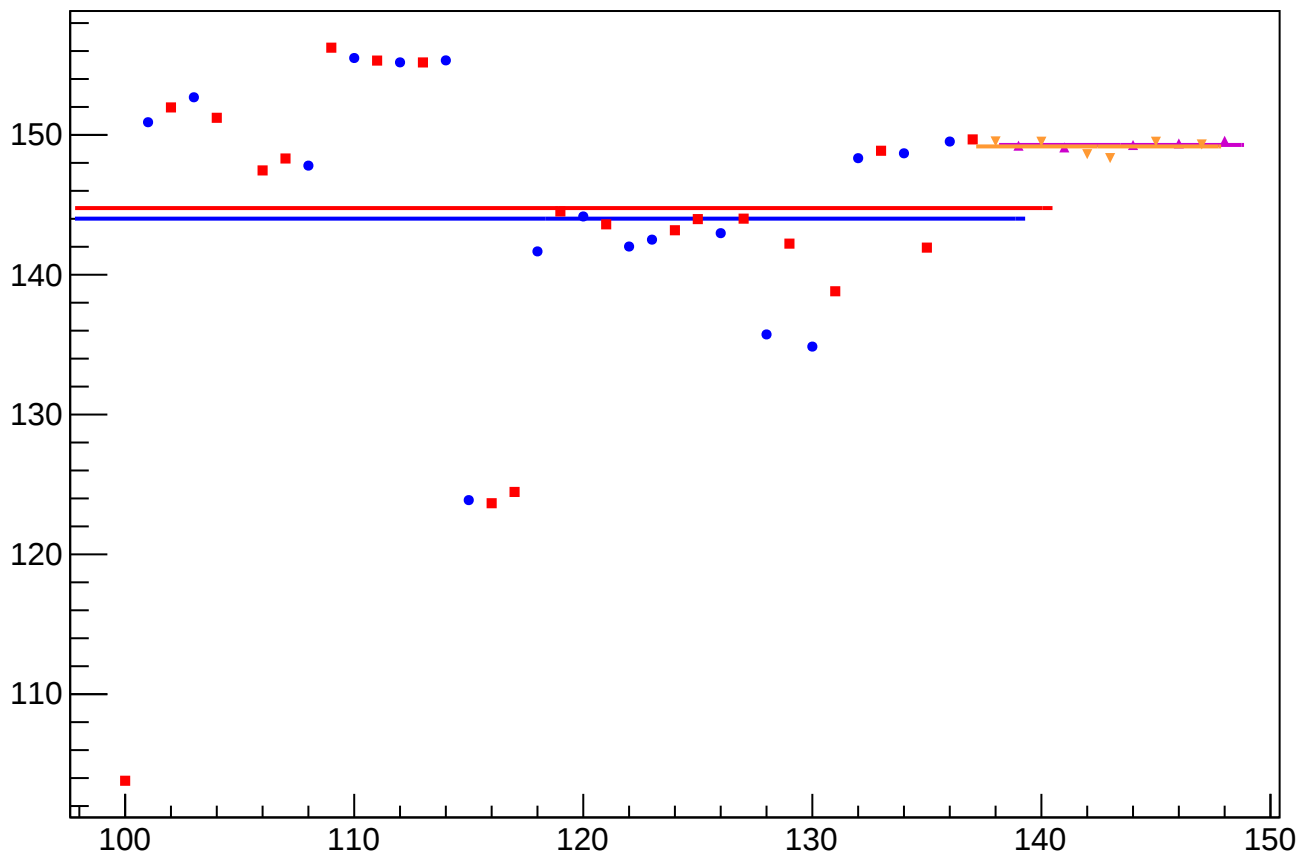
Right Out: 0.322 ± 0.000 χ^2/NDF : 1244671.1/19

Left In: 0.348 ± 0.000 χ^2/NDF : 354431.6/4

0.323 ± 0.000 χ^2/NDF : 1592638.5/22

0.331 ± 0.000 χ^2/NDF : 1626536.9/24

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 ± 0.000 χ^2/NDF : 3241696920.3/16

Left Out: 149.177 ± 0.000 χ^2/NDF : 7296926.0/5

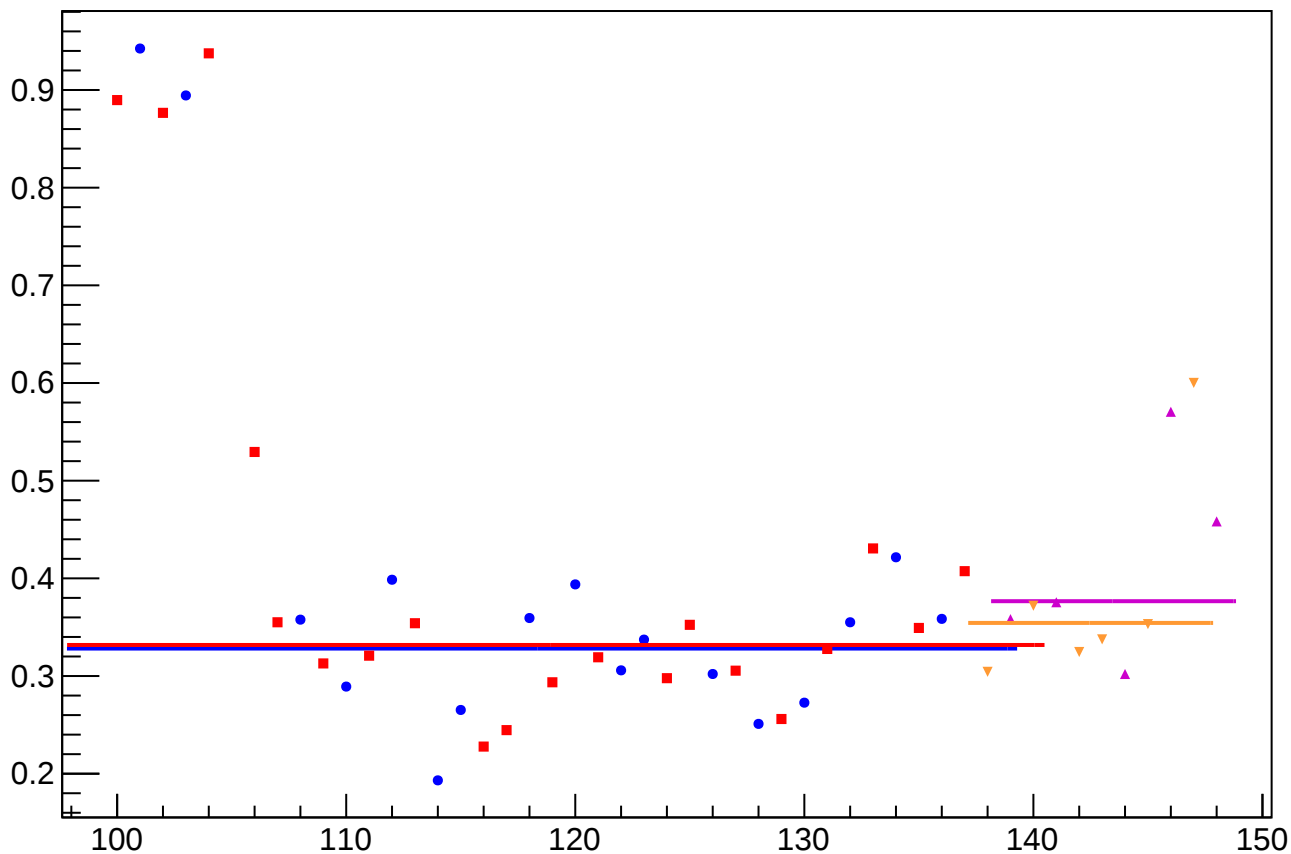
Right Out: 144.767 ± 0.000 χ^2/NDF : 4097482970.1/19

Left In: 149.283 ± 0.000 χ^2/NDF : 535880.6/4

145.923 ± 0.000 χ^2/NDF : 3755557338.3/22

146.250 ± 0.000 χ^2/NDF : 4455474425.7/24

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 $\pm$ 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.354 $\pm$ 0.000 χ^2/NDF : 296400.4/5

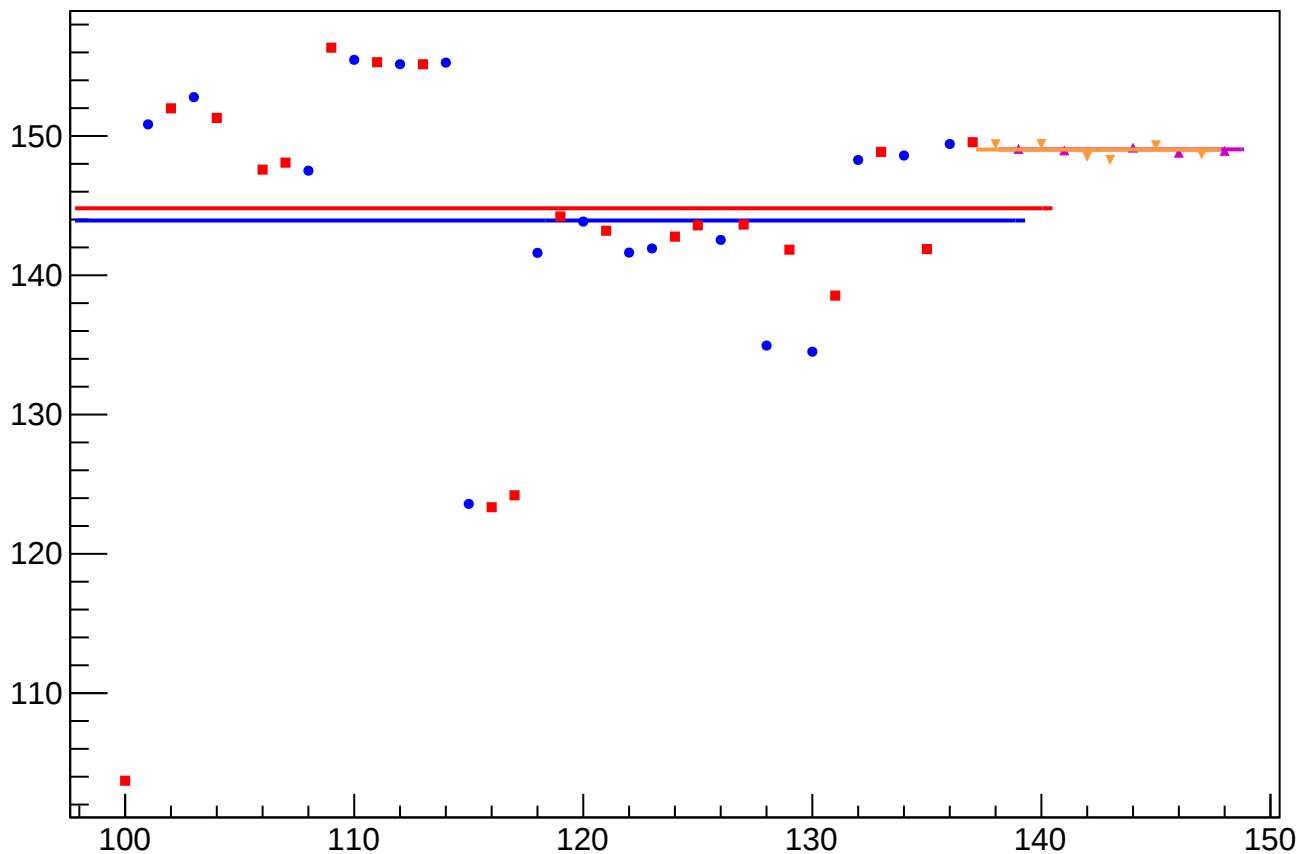
Right Out: 0.332 $\pm$ 0.000 χ^2/NDF : 1194167.8/19

Left In: 0.377 $\pm$ 0.000 χ^2/NDF : 334686.8/4

0.338 $\pm$ 0.000 χ^2/NDF : 1588448.6/22

0.347 $\pm$ 0.000 χ^2/NDF : 1599277.4/24

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 ± 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 149.031 ± 0.000 χ^2/NDF : 6637180.2/5

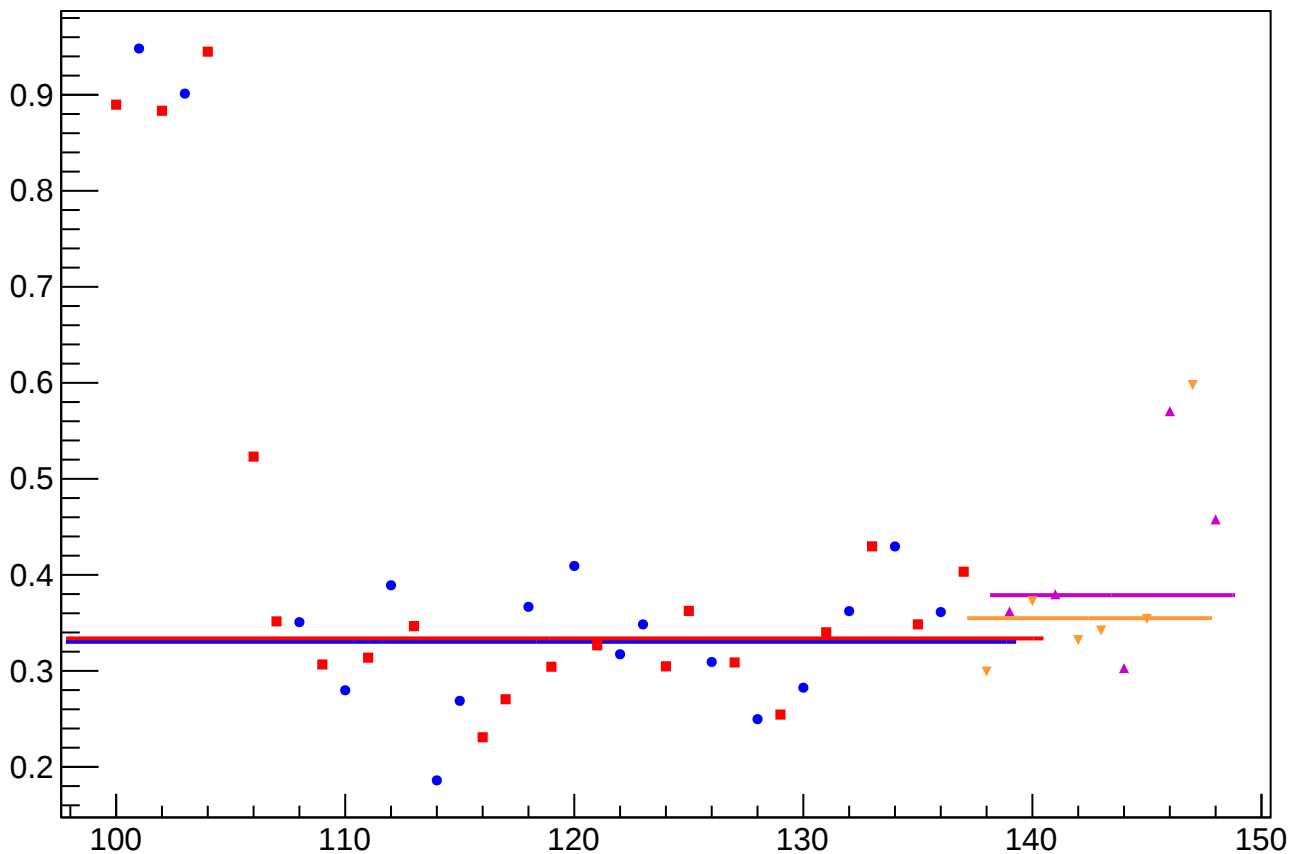
Right Out: 144.809 ± 0.000 χ^2/NDF : 4138041955.6/19

Left In: 149.040 ± 0.000 χ^2/NDF : 351305.8/4

145.830 ± 0.000 χ^2/NDF : 3877884401.2/22

146.195 ± 0.000 χ^2/NDF : 4447369527.6/24

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.355 ± 0.000 χ^2/NDF : 297658.9/5

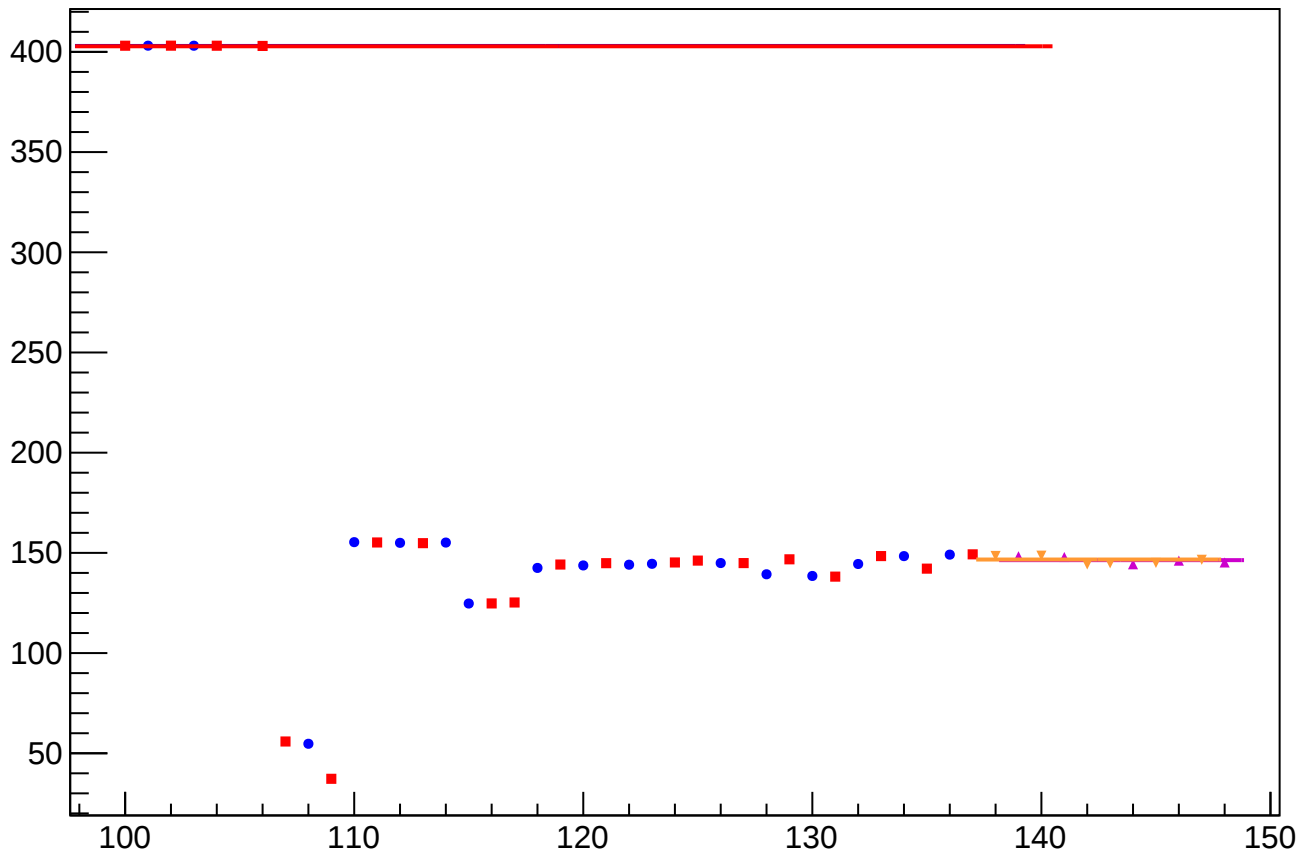
Right Out: 0.334 ± 0.000 χ^2/NDF : 1177889.1/19

Left In: 0.379 ± 0.000 χ^2/NDF : 328754.3/4

0.339 ± 0.000 χ^2/NDF : 1604267.9/22

0.349 ± 0.000 χ^2/NDF : 1576891.6/24

yield_cav4bQ_mean vs Slug



Right In: 402.958 $\pm$ 0.000 χ^2 /NDF: 1094364588383.4/16

Left Out: 146.682 $\pm$ 0.000 χ^2 /NDF: 21552214.3/5

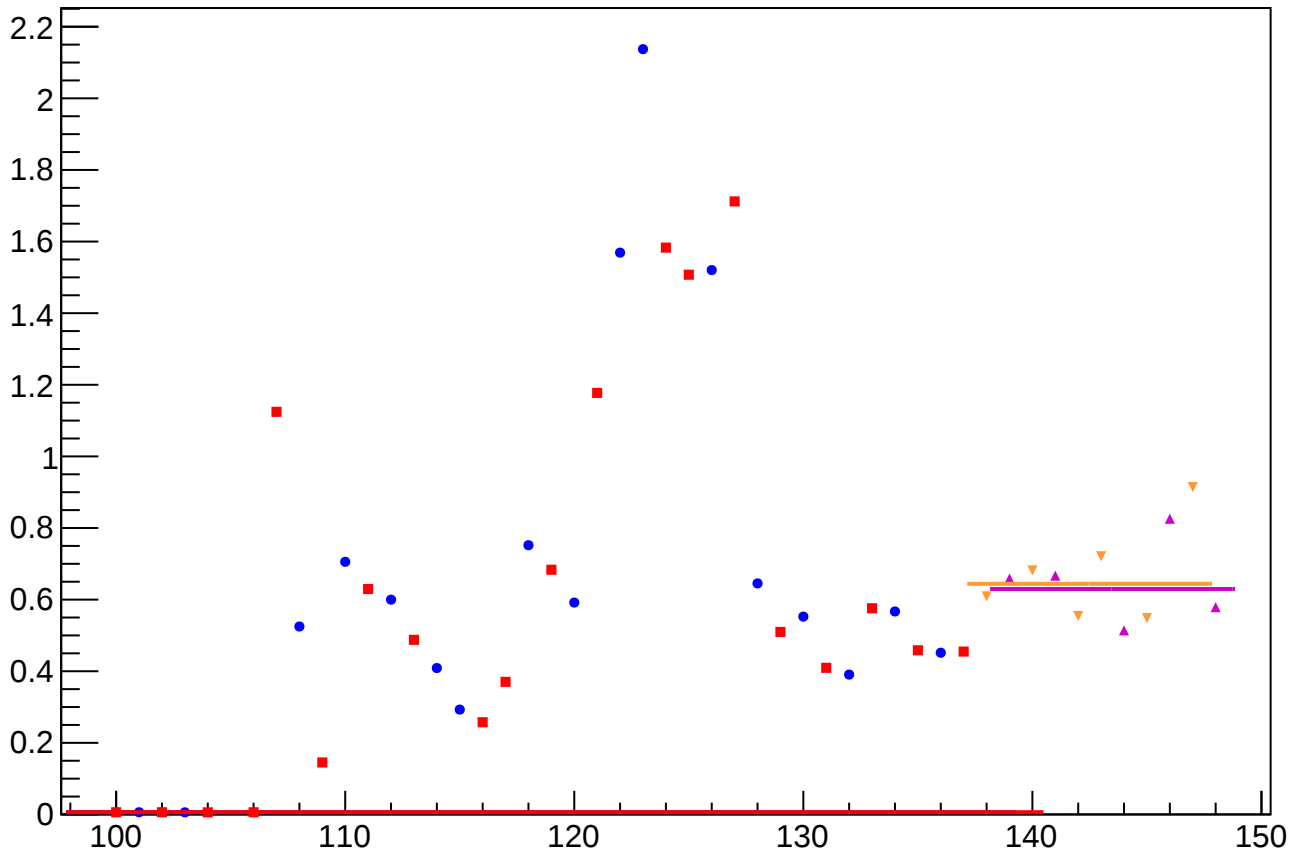
Right Out: 402.797 $\pm$ 0.000 χ^2 /NDF: 3120897866993.6/19

Left In: 146.374 $\pm$ 0.000 χ^2 /NDF: 17771370.0/4

402.904 $\pm$ 0.000 χ^2 /NDF: 1524438204155.8/22

402.748 $\pm$ 0.000 χ^2 /NDF: 3559944038438.9/24

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.644+/-0.000 χ^2/NDF :144717.4/5

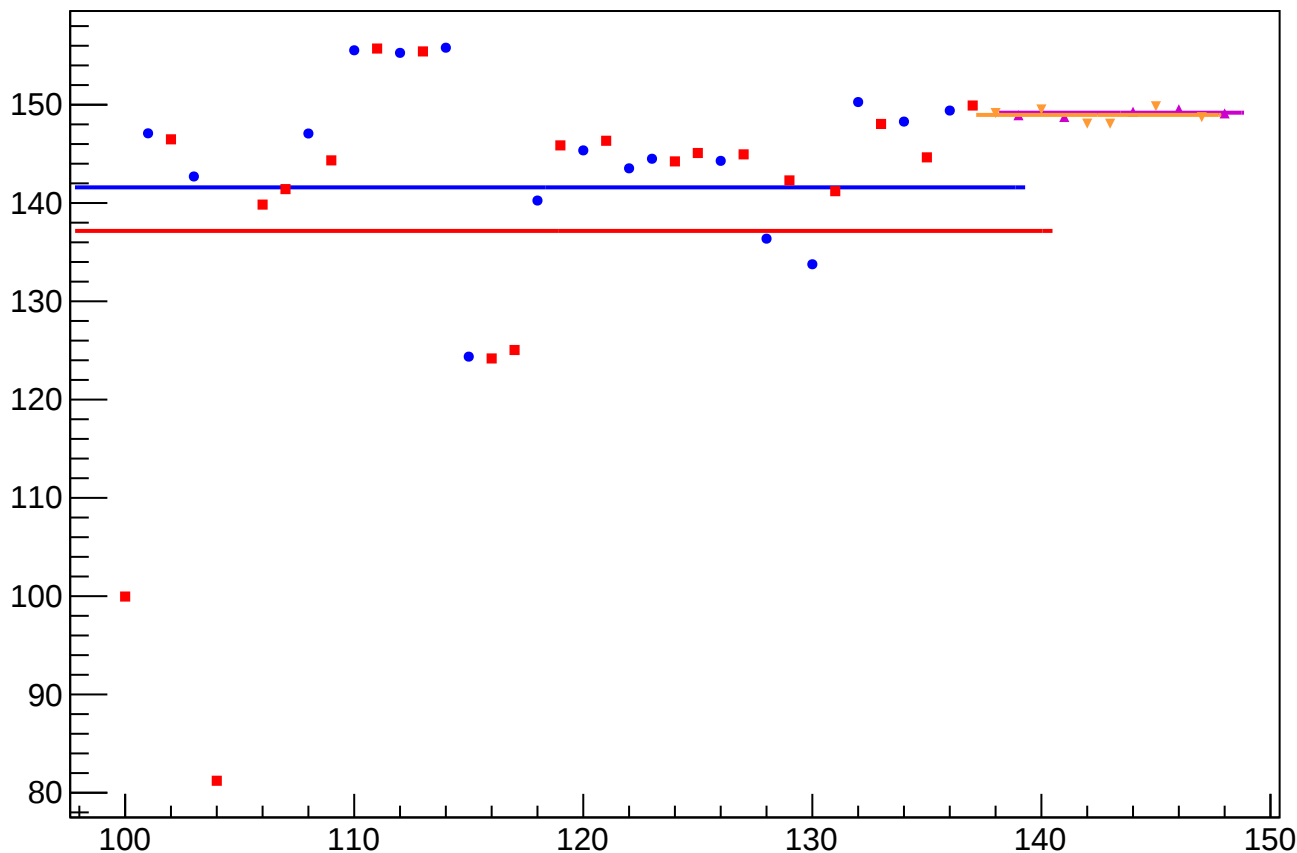
Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

Left In: 0.630+/-0.000 χ^2/NDF :119246.1/4

0.006+/-0.000 χ^2/NDF : 14550379.7/22

0.006+/-0.000 χ^2/NDF : 14566995.7/24

yield_cav4cQ_mean vs Slug



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 148.965 $\pm$ 0.000 χ^2 /NDF: 6570430.0/5

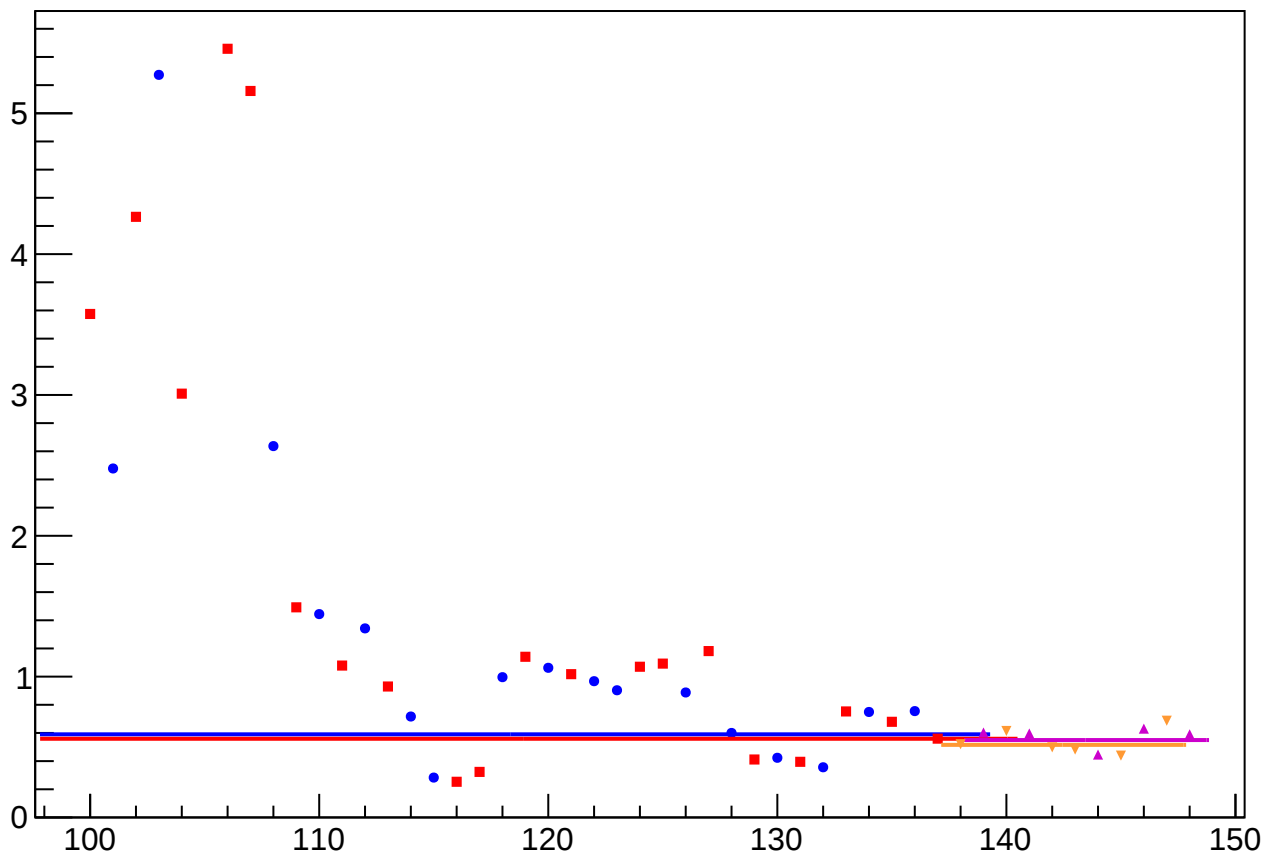
Right Out: 137.162 $\pm$ 0.000 χ^2 /NDF: 1366089515.6/19

Left In: 149.191 $\pm$ 0.000 χ^2 /NDF: 635720.6/4

145.581 $\pm$ 0.000 χ^2 /NDF: 1283475378.8/22

143.007 $\pm$ 0.000 χ^2 /NDF: 2136759386.6/24

yield_cav4cQ_rms vs Slug



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.515+/-0.000 χ^2/NDF :162241.1/5

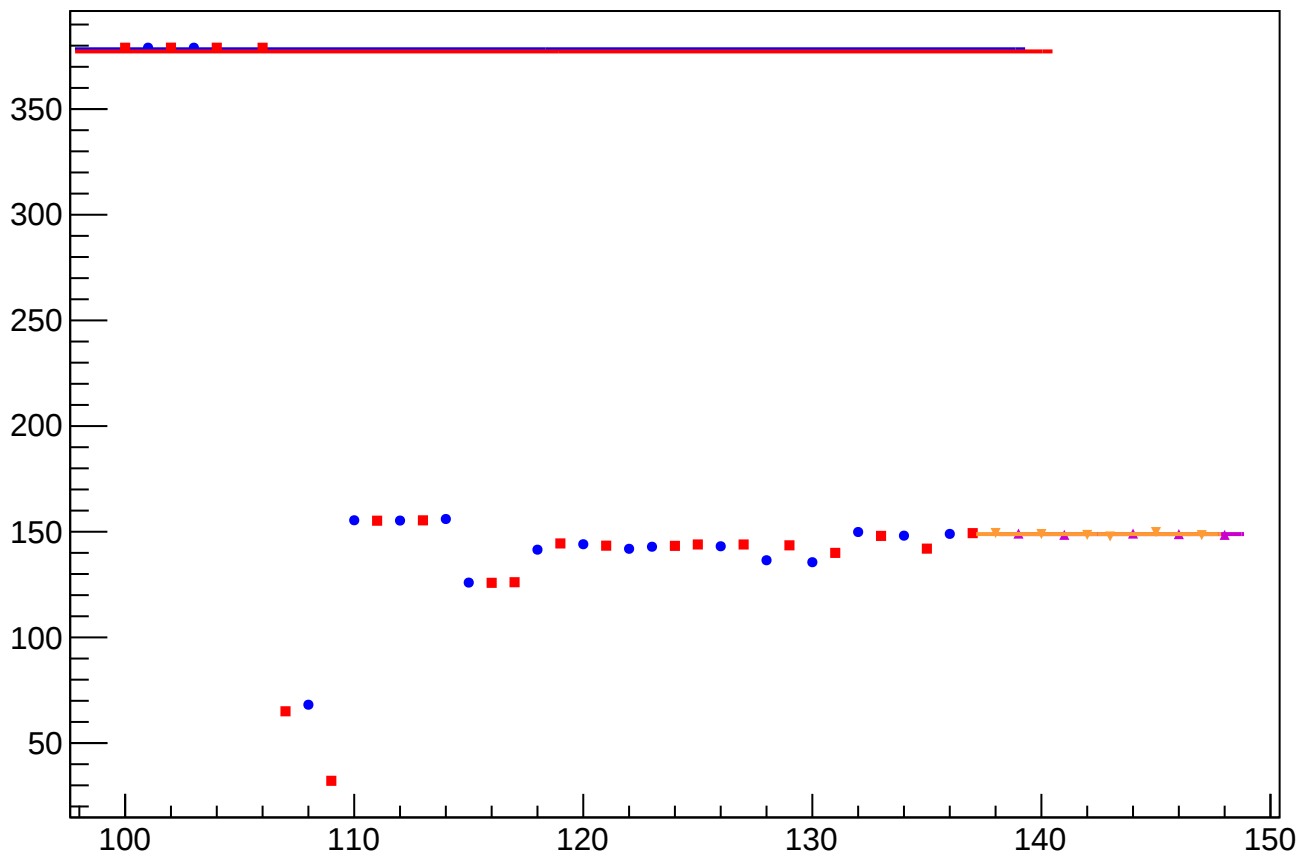
Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

Left In: 0.550+/-0.000 χ^2/NDF :123800.8/4

0.550+/-0.000 χ^2/NDF : 3715403.9/22

0.554+/-0.000 χ^2/NDF : 4845973.8/24

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.896+/-0.000 χ^2/NDF : 13458857.3/5

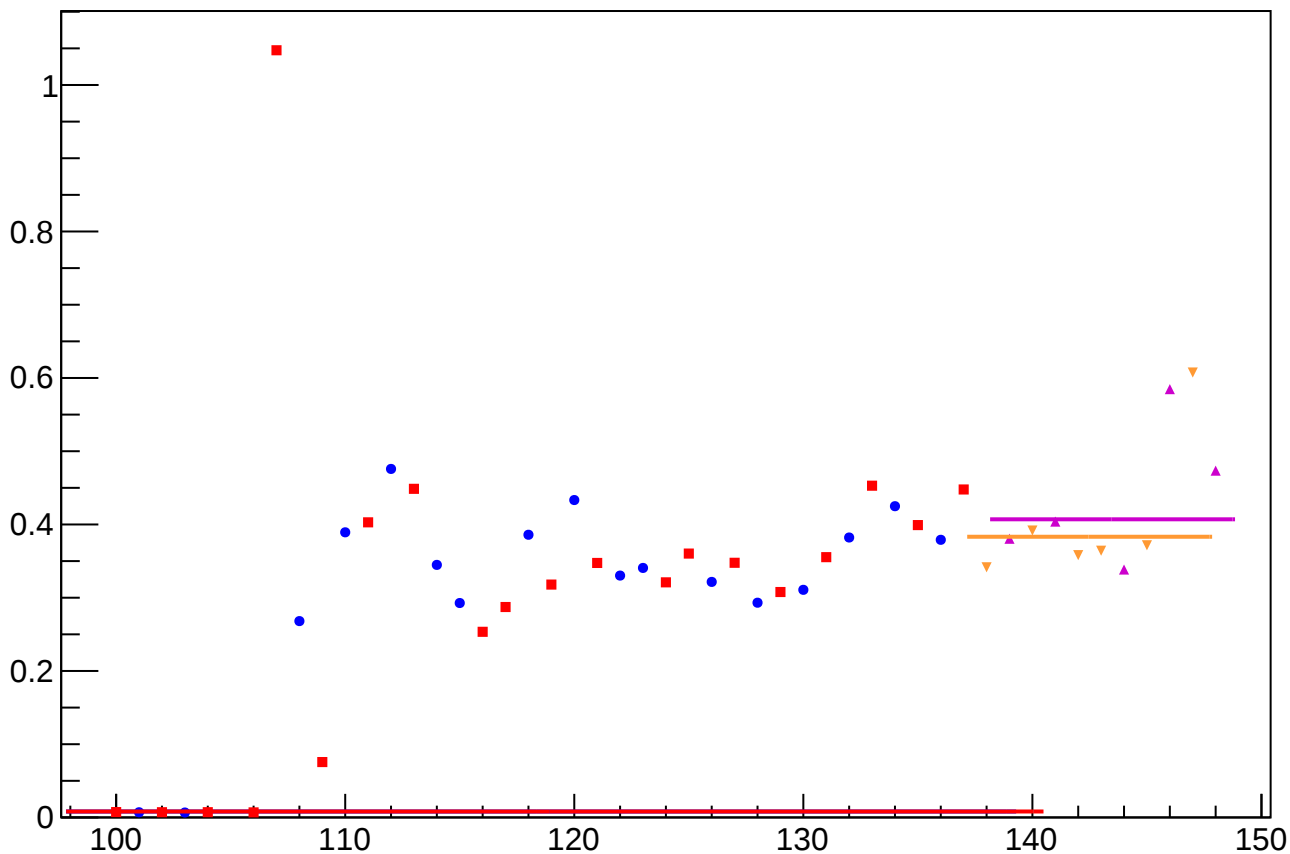
Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

Left In: 148.889+/-0.000 χ^2/NDF : 1781211.8/4

377.827+/-0.000 χ^2/NDF : 3899330363020.0/22

376.936+/-0.000 χ^2/NDF : 9505430923782.5/24

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.383+/-0.000 χ^2/NDF : 232021.5/5

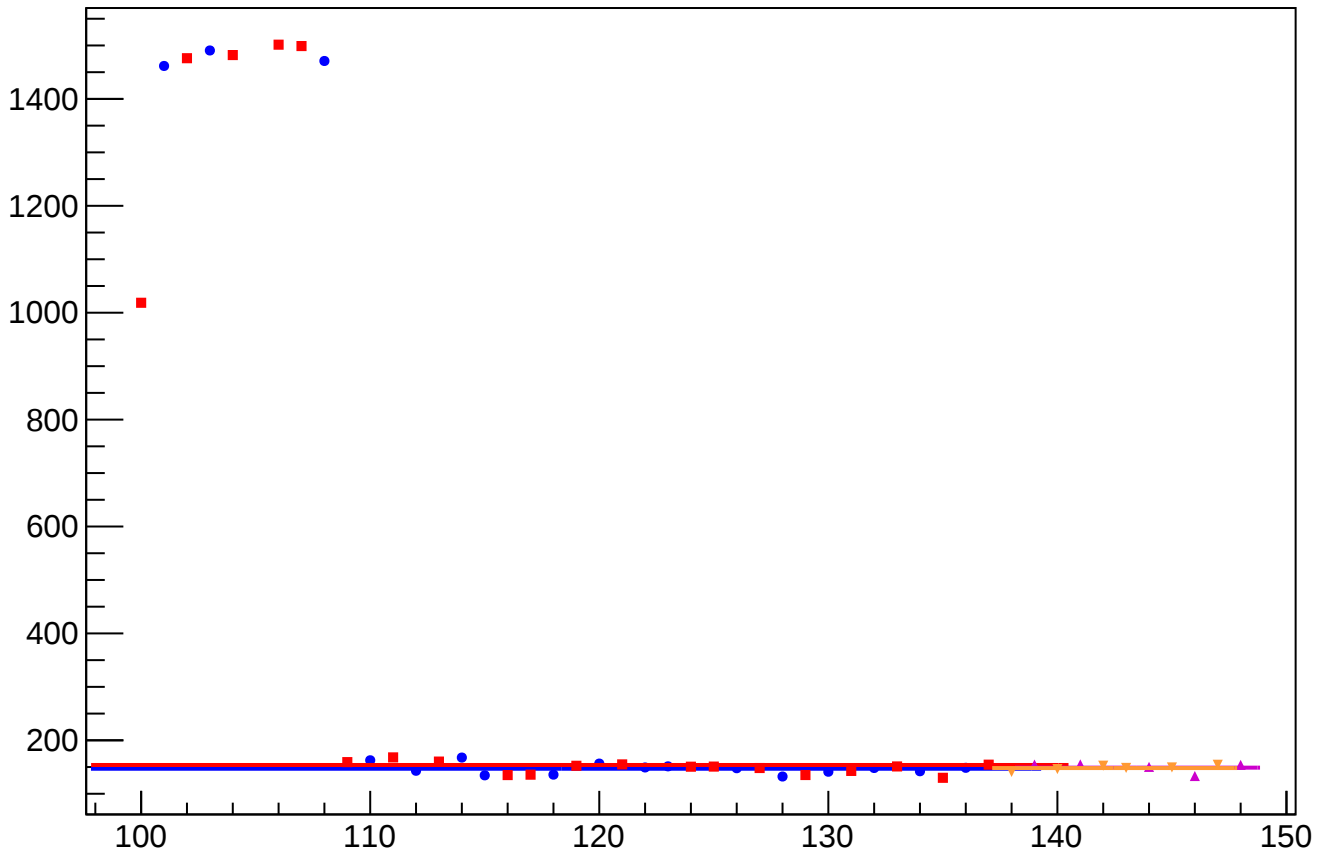
Right Out: 0.008+/-0.000 χ^2/NDF : 9589375.6/19

Left In: 0.407+/-0.000 χ^2/NDF : 253940.6/4

0.009+/-0.000 χ^2/NDF : 17478374.6/22

0.009+/-0.000 χ^2/NDF : 17116673.5/24

yield_bcm0l02_mean vs Slug



Right In: 146.819 $\pm$ 0.000 χ^2/NDF : 24360774977.7/16

Left Out: 148.080 $\pm$ 0.000 χ^2/NDF : 76019134.0/5

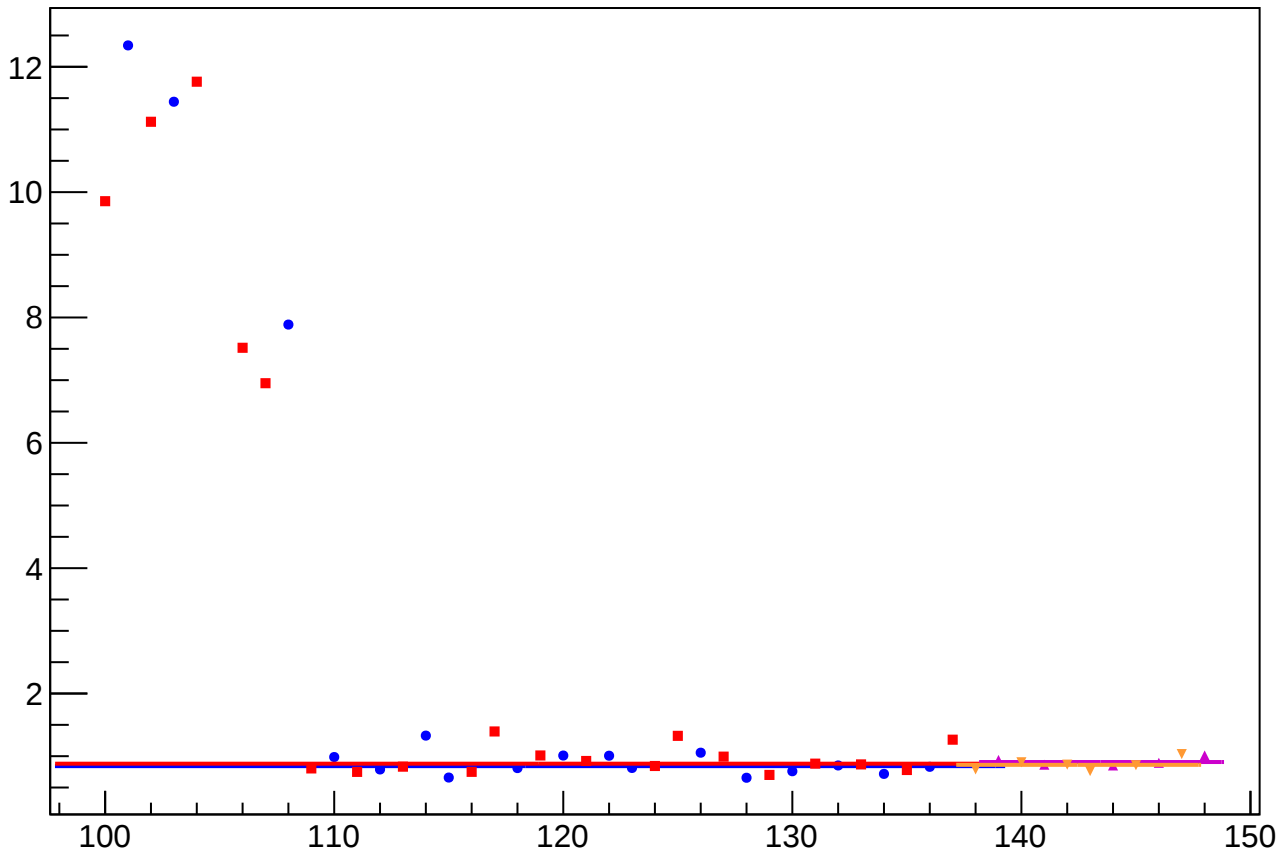
147.362 $\pm$ 0.000 χ^2/NDF : 24440439692.6/22

Right Out: 153.832 $\pm$ 0.000 χ^2/NDF : 33744235949.2/19

151.721 $\pm$ 0.000 χ^2/NDF : 34084341268.2/24

Left In: 148.840 $\pm$ 0.001 χ^2/NDF : 284179566.5/4

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.862 ± 0.000 χ^2/NDF : 63937.7/5

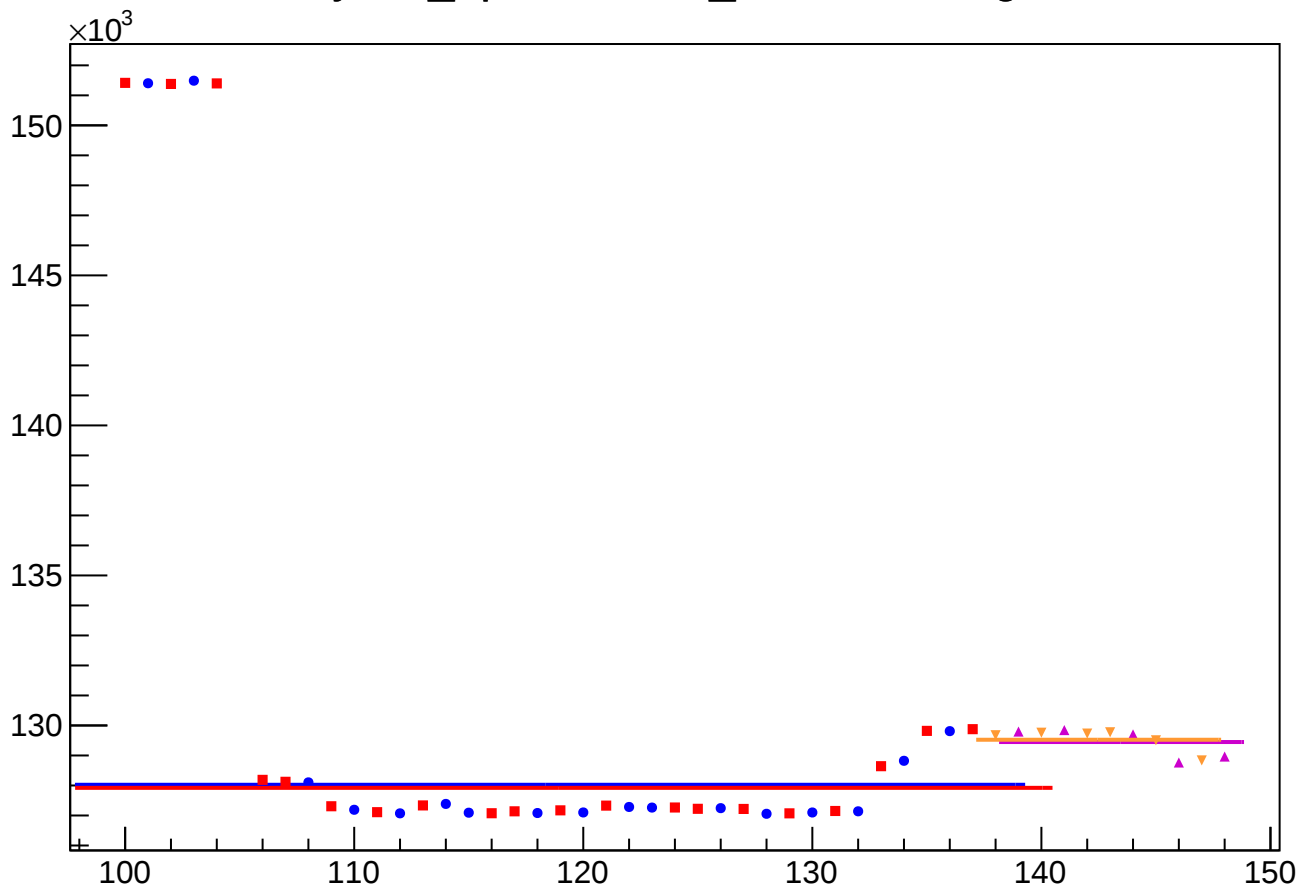
Right Out: 0.880 ± 0.000 χ^2/NDF : 2825356.7/19

Left In: 0.907 ± 0.000 χ^2/NDF : 25632.3/4

0.850 ± 0.000 χ^2/NDF : 2728302.5/22

0.891 ± 0.000 χ^2/NDF : 2854158.0/24

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129524.153 $\pm$ 0.084 χ^2 /NDF: 18423554.4/5

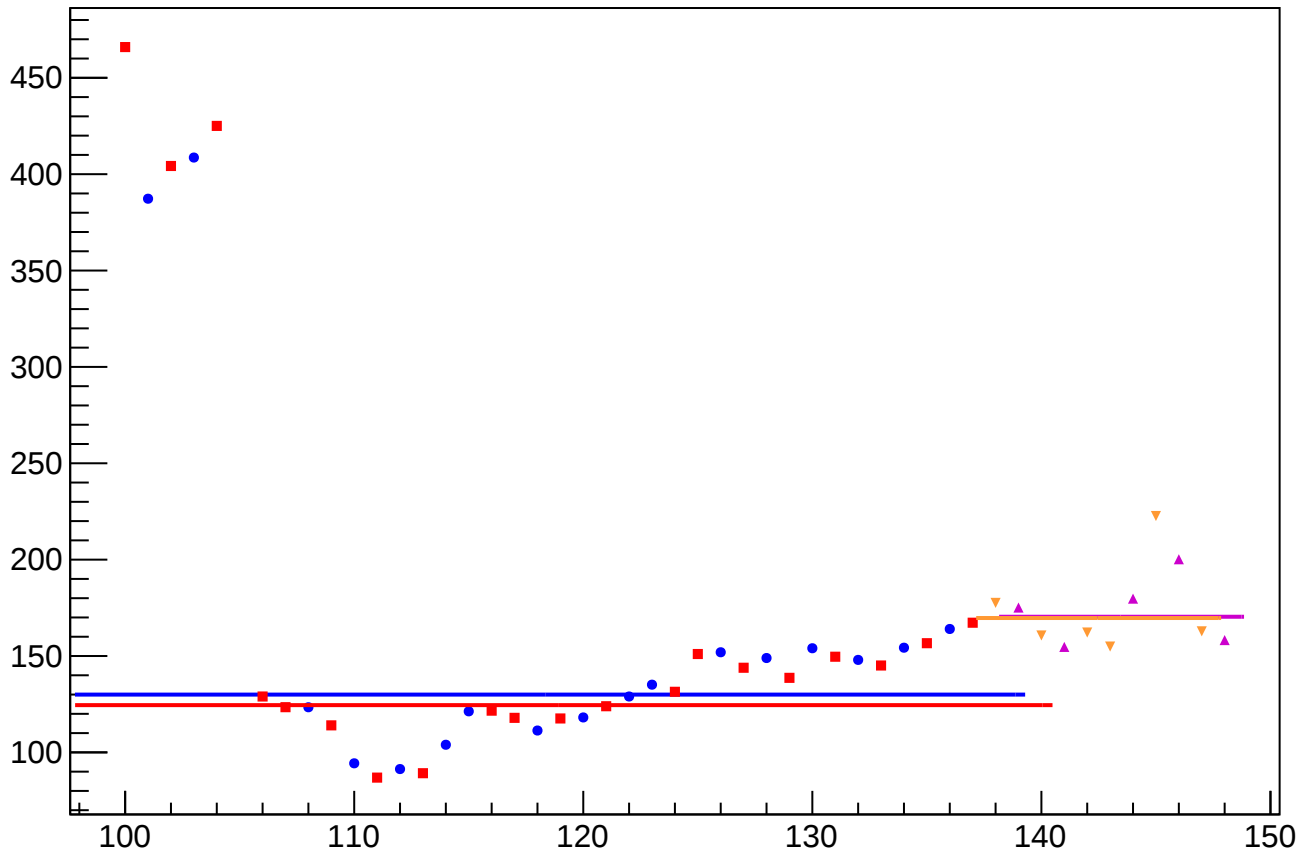
Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

Left In: 129448.029 $\pm$ 0.086 χ^2 /NDF: 26686820.0/4

128465.924 $\pm$ 0.046 χ^2 /NDF: 4558156932.3/22

128311.280 $\pm$ 0.043 χ^2 /NDF: 4032147701.3/24

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 ± 0.039 $\chi^2/\text{NDF}: 1485519.5/16$

Left Out: 169.712 ± 0.060 $\chi^2/\text{NDF}: 110789.0/5$

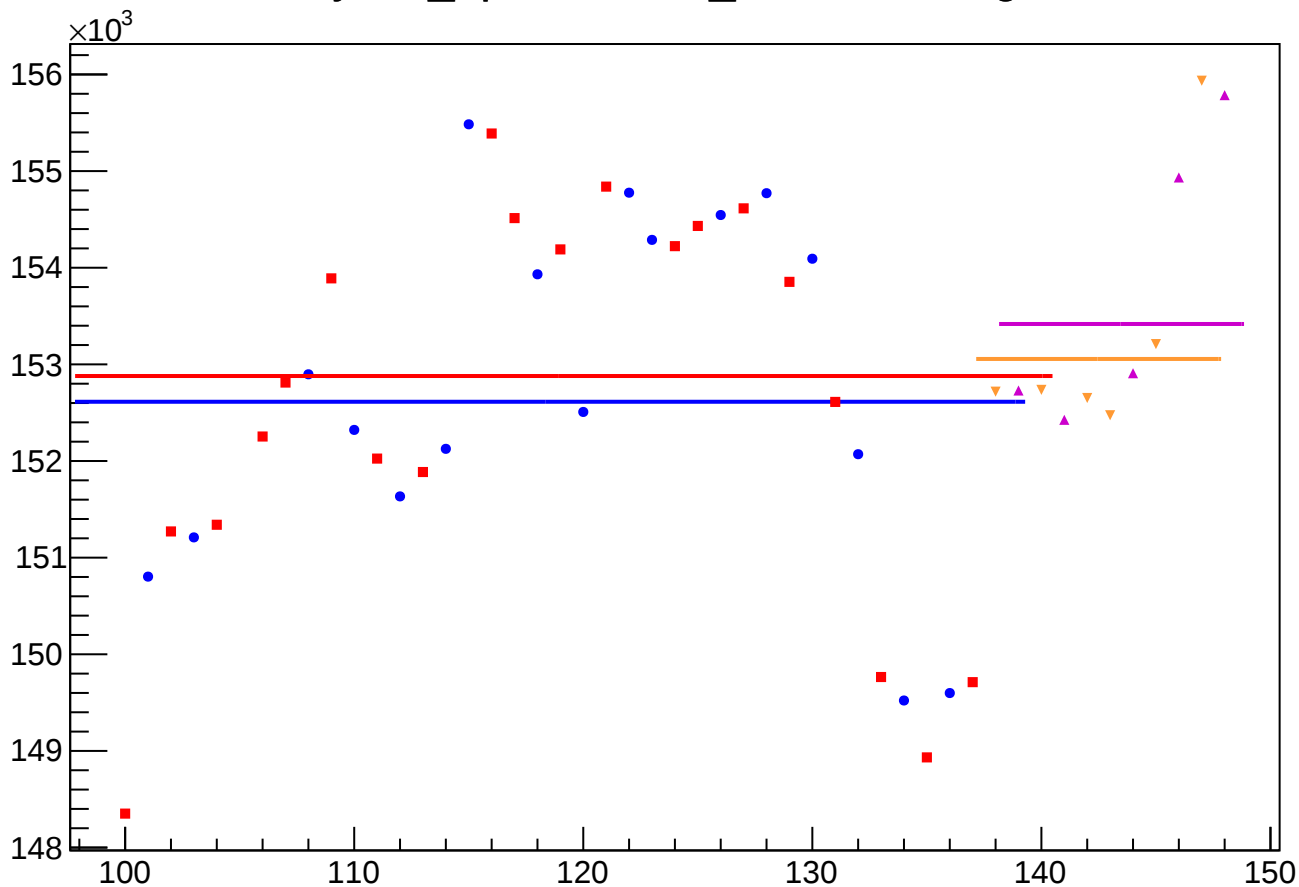
141.693 ± 0.032 $\chi^2/\text{NDF}: 1909247.2/22$

Right Out: 124.514 ± 0.035 $\chi^2/\text{NDF}: 1531546.7/19$

136.228 ± 0.031 $\chi^2/\text{NDF}: 2025155.0/24$

Left In: 170.374 ± 0.061 $\chi^2/\text{NDF}: 66846.7/4$

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 153055.977 $\pm$ 0.092 χ^2 /NDF: 110856735.0/5

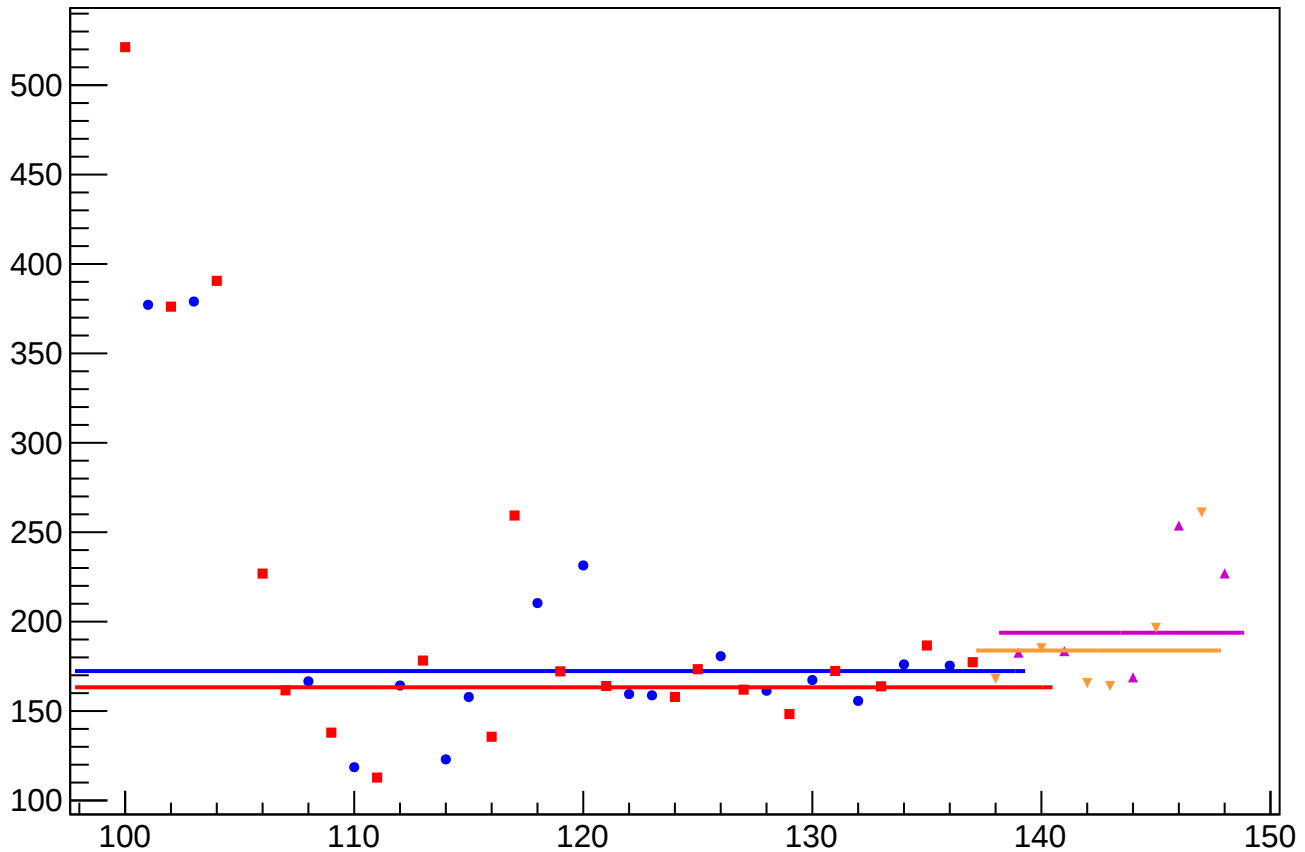
Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

Left In: 153417.878 $\pm$ 0.098 χ^2 /NDF: 155690990.3/4

152781.621 $\pm$ 0.057 χ^2 /NDF: 748501371.3/22

153047.125 $\pm$ 0.055 χ^2 /NDF: 894252206.6/24

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 χ^2/NDF : 921911.1/16

Left Out: 183.866 ± 0.065 χ^2/NDF : 184003.5/5

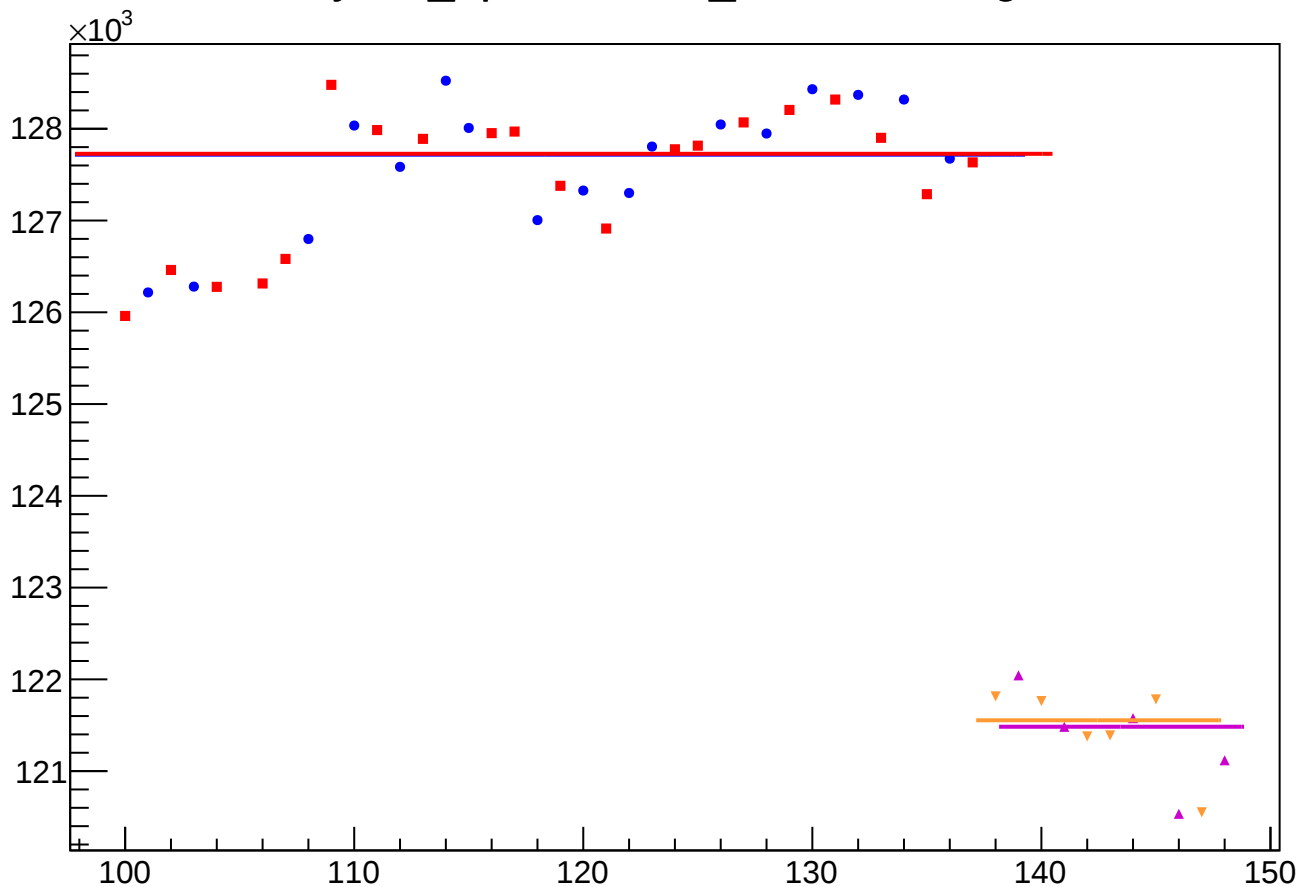
Right Out: 163.273 ± 0.047 χ^2/NDF : 1043440.1/19

Left In: 193.787 ± 0.070 χ^2/NDF : 168934.7/4

176.732 ± 0.040 χ^2/NDF : 1125233.7/22

172.775 ± 0.039 χ^2/NDF : 1345047.6/24

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 121553.773 $\pm$ 0.079 χ^2 /NDF: 18234515.9/5

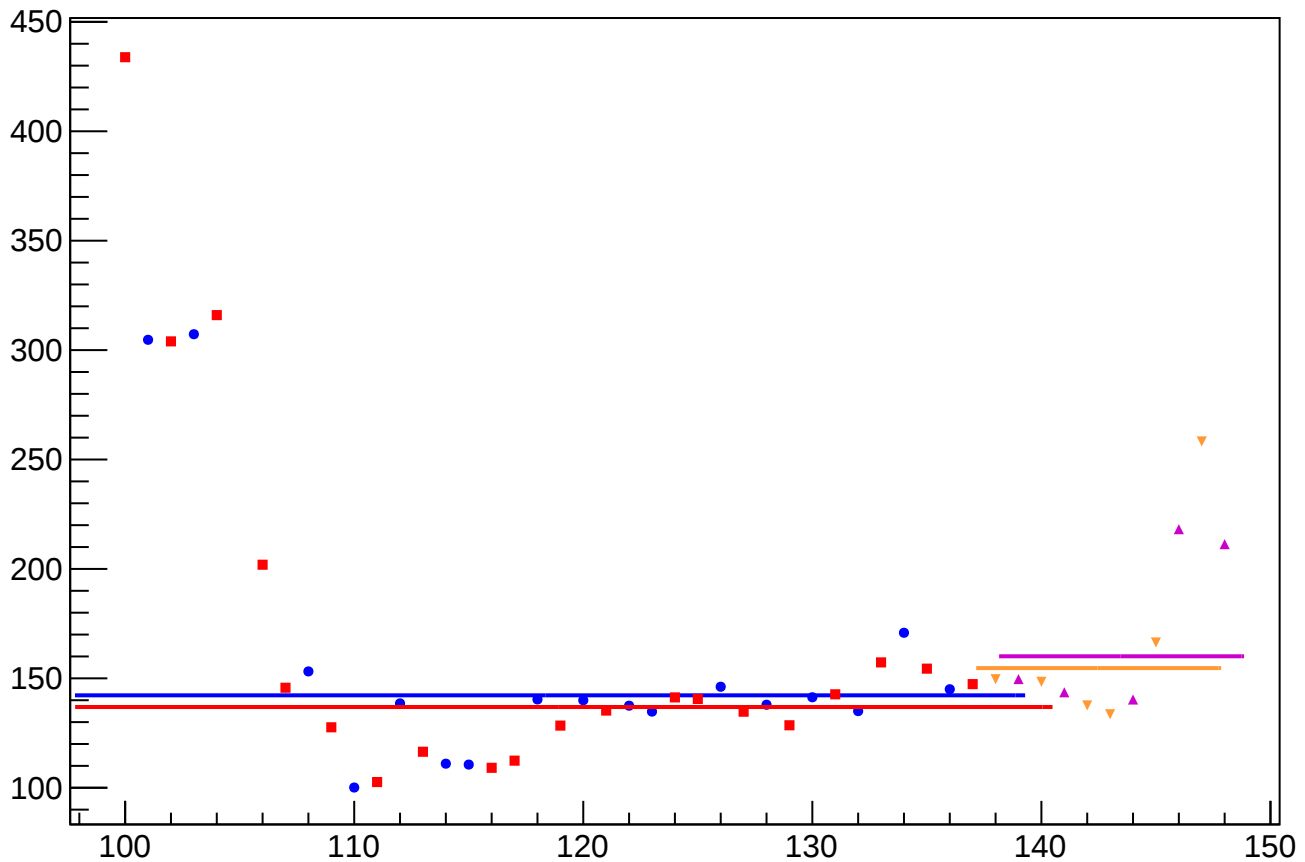
Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

Left In: 121483.562 $\pm$ 0.082 χ^2 /NDF: 27349465.8/4

125534.412 $\pm$ 0.047 χ^2 /NDF: 4075393509.3/24

125828.917 $\pm$ 0.045 χ^2 /NDF: 4166819007.1/24

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 ± 0.041 χ^2/NDF : 836415.1/16

Left Out: 154.679 ± 0.056 χ^2/NDF : 303822.5/5

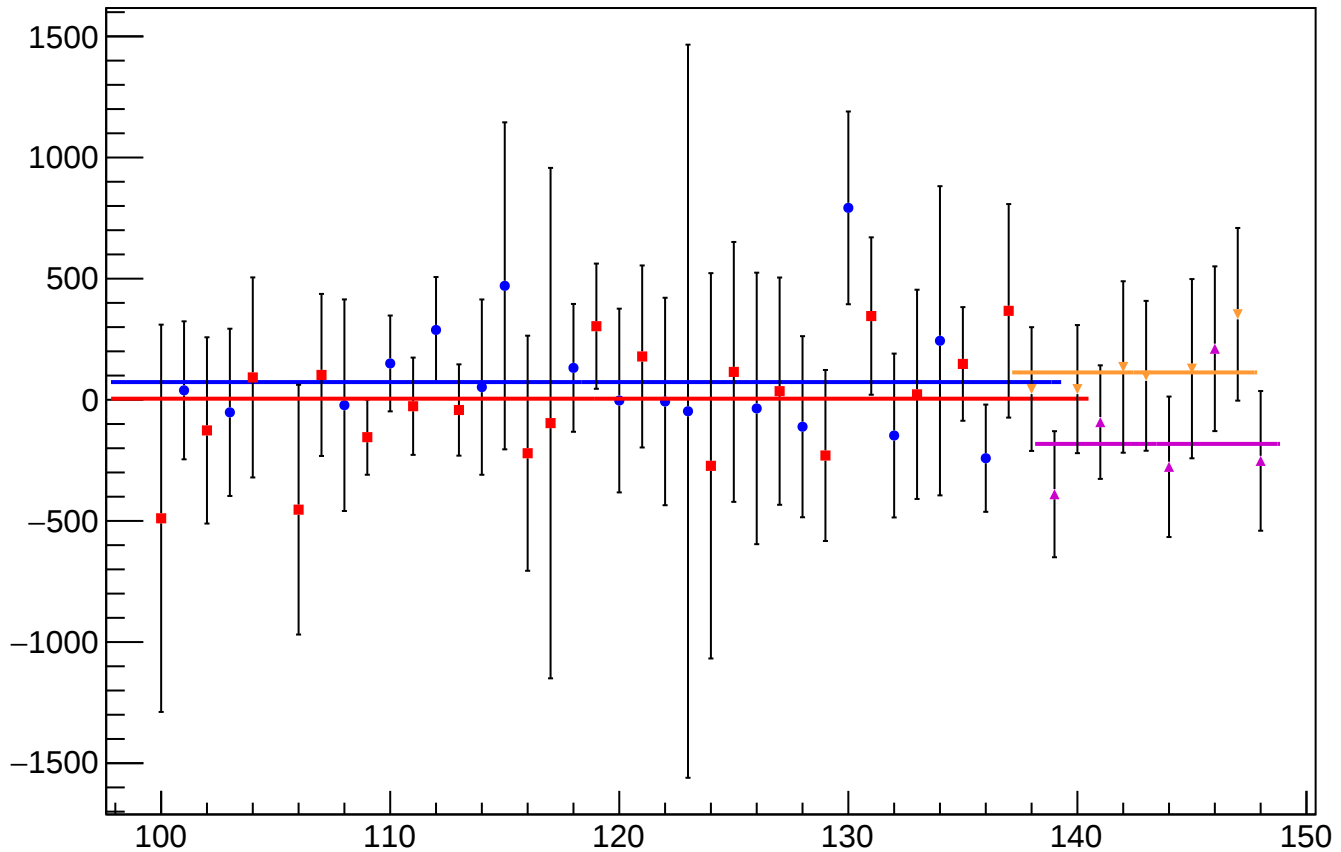
Right Out: 136.904 ± 0.038 χ^2/NDF : 961858.5/19

Left In: 160.079 ± 0.058 χ^2/NDF : 262922.5/4

146.646 ± 0.033 χ^2/NDF : 1172505.3/22

143.949 ± 0.032 χ^2/NDF : 1335748.4/24

asym_bcm_an_ds_mean vs Slug



Right In: 73.109 ± 79.604 χ^2/NDF : 7.9/16

Left Out: 112.910 ± 125.726 χ^2/NDF : 0.6/5

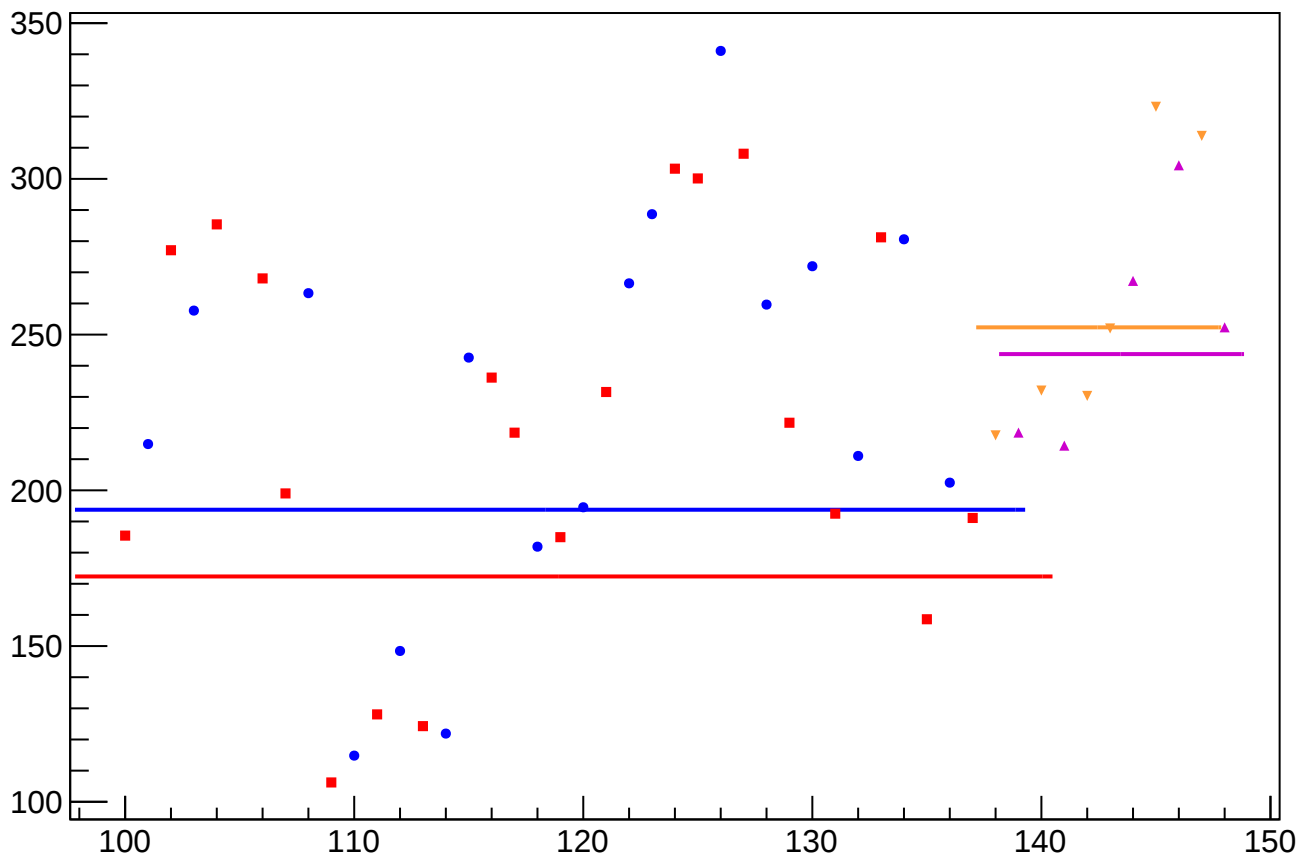
Right Out: 4.574 ± 69.944 χ^2/NDF : 7.1/19

Left In: -182.066 ± 123.508 χ^2/NDF : 2.3/4

84.499 ± 67.256 χ^2/NDF : 8.5/22

-40.748 ± 60.862 χ^2/NDF : 11.1/24

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 ± 0.056 χ^2/NDF : 1017081.7/16

Left Out: 252.328 ± 0.089 χ^2/NDF : 189237.3/5

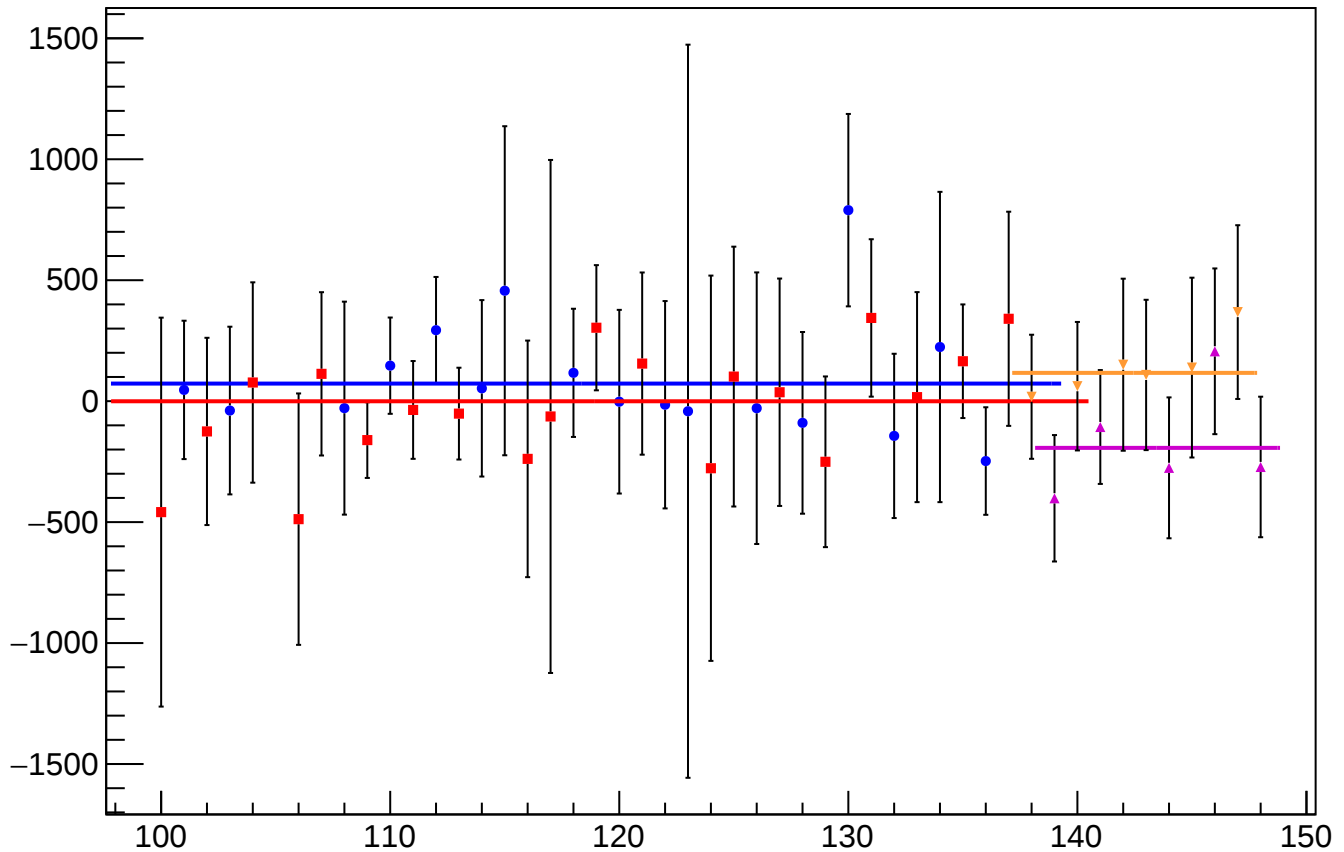
Right Out: 172.346 ± 0.049 χ^2/NDF : 1583893.0/19

Left In: 243.745 ± 0.087 χ^2/NDF : 128708.3/4

210.529 ± 0.048 χ^2/NDF : 1515996.8/22

189.684 ± 0.043 χ^2/NDF : 2218672.3/24

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 116.967+/-126.350 χ^2/NDF : 0.7/5

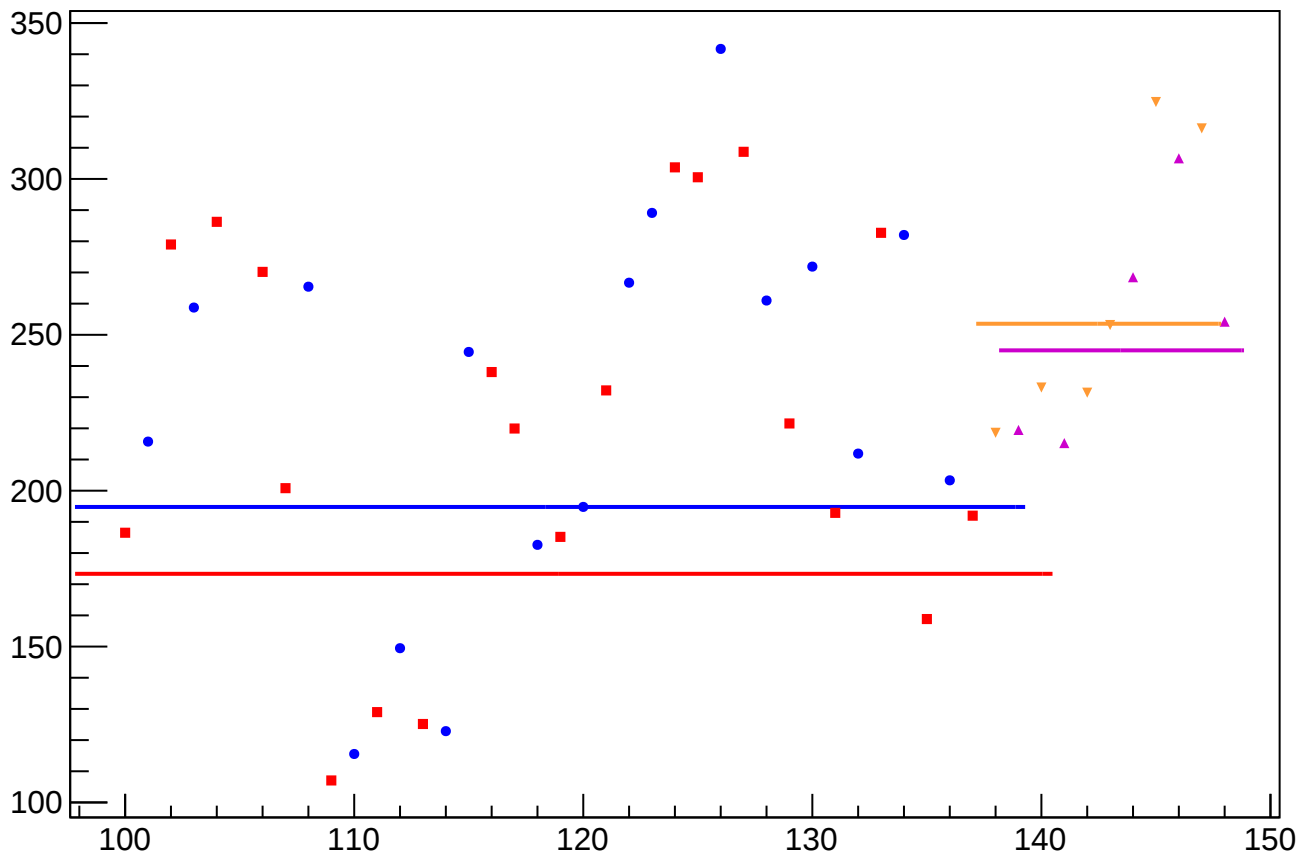
Right Out: -0.459+/-70.312 χ^2/NDF : 7.3/19

Left In: -193.091+/-124.170 χ^2/NDF : 2.3/4

85.348+/-67.586 χ^2/NDF : 8.5/22

-47.228+/-61.183 χ^2/NDF : 11.4/24

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 253.550 $\pm$ 0.089 χ^2 /NDF:190943.3/5

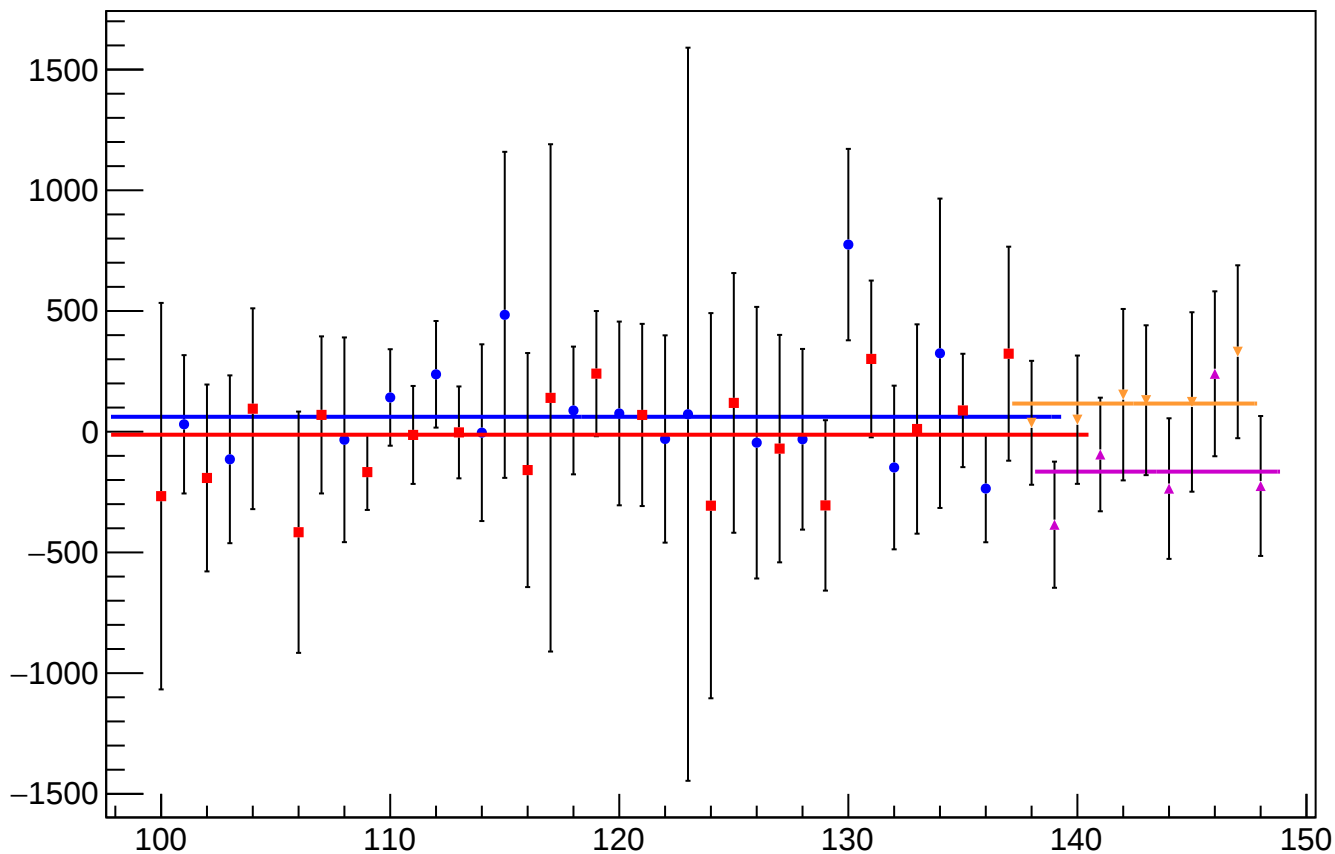
Right Out: 173.337 $\pm$ 0.050 χ^2 /NDF: 1571436.7/19

Left In: 245.014 $\pm$ 0.088 χ^2 /NDF:130684.1/4

211.597 $\pm$ 0.048 χ^2 /NDF: 1508107.2/22

190.740 $\pm$ 0.043 χ^2 /NDF: 2206748.6/24

asym_bcm_an_us_mean vs Slug



Right In: 61.814 ± 79.986 χ^2/NDF : 7.3/16

Left Out: 116.627 ± 126.287 χ^2/NDF : 0.5/5

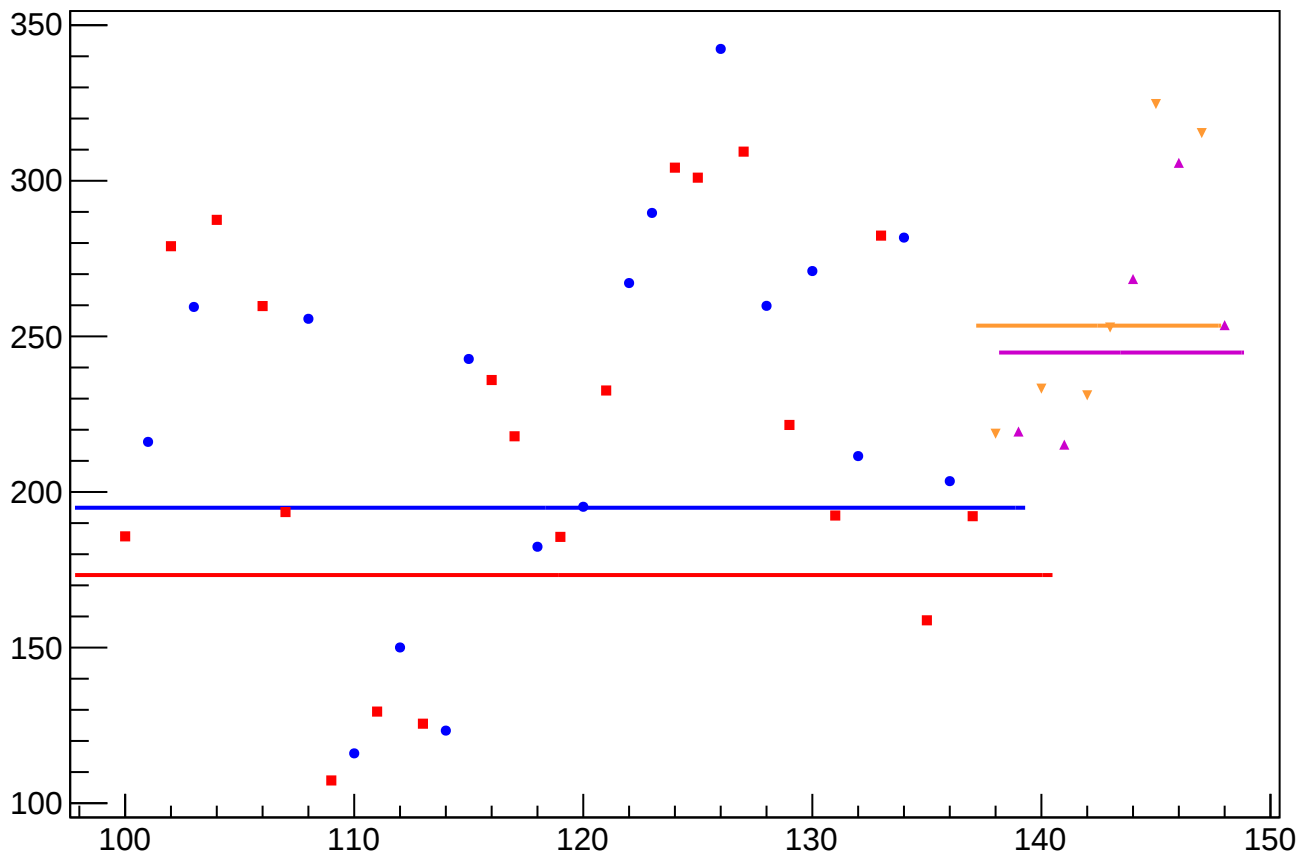
Right Out: -12.417 ± 70.233 χ^2/NDF : 5.8/19

Left In: -165.337 ± 124.048 χ^2/NDF : 2.3/4

77.507 ± 67.573 χ^2/NDF : 7.9/22

-49.537 ± 61.117 χ^2/NDF : 9.2/24

asym_bcm_an_us_rms vs Slug



Right In: 194.939 +/- 0.057 χ^2/NDF : 986629.1/16

Left Out: 253.454 +/- 0.089 χ^2/NDF : 189329.0/5

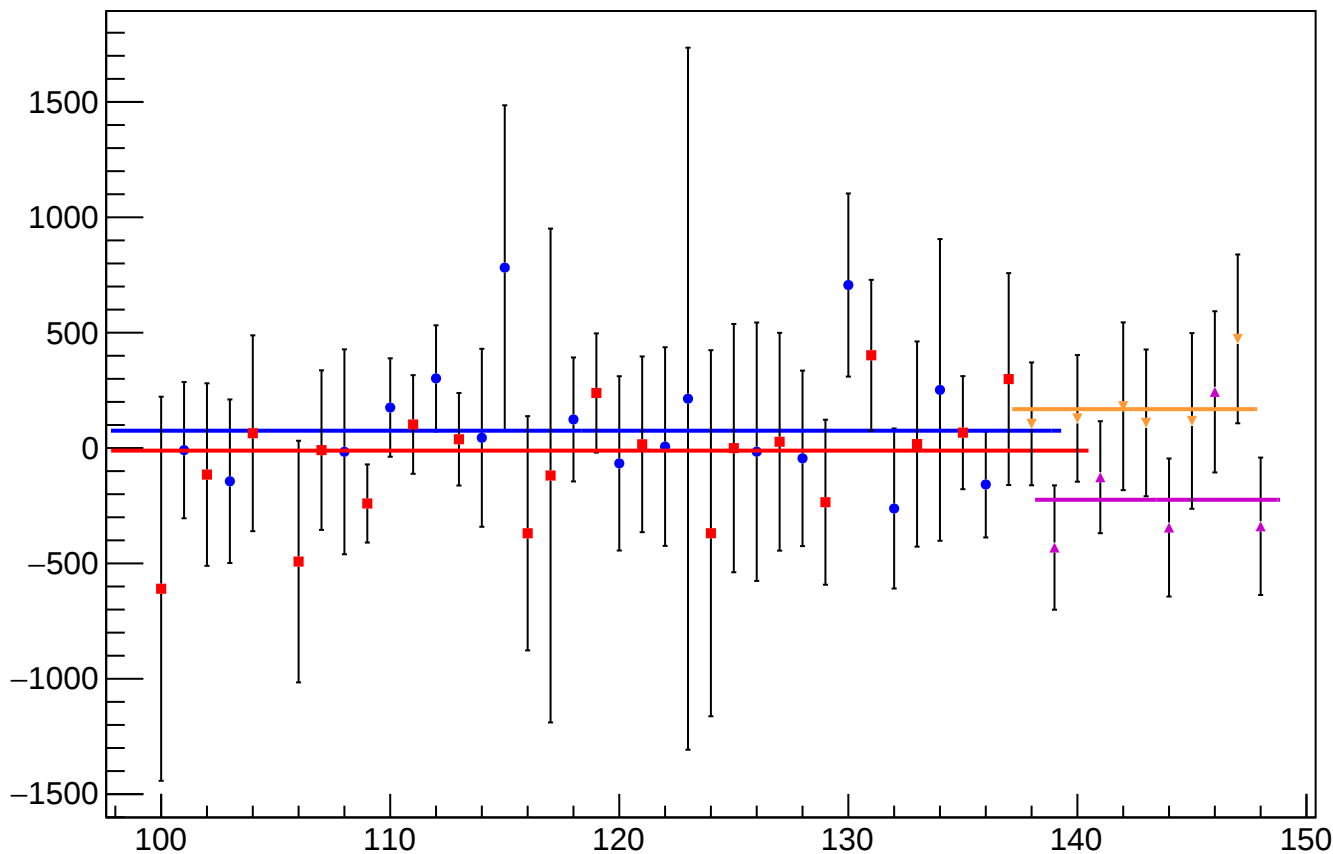
Right Out: 173.309 +/- 0.050 χ^2/NDF : 1548342.3/19

Left In: 244.807 +/- 0.088 χ^2/NDF : 129226.0/4

211.692 +/- 0.048 χ^2/NDF : 1482403.7/22

190.665 +/- 0.043 χ^2/NDF : 2180703.8/24

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 168.599 $\pm$ 129.951 χ^2 /NDF:0.8/5

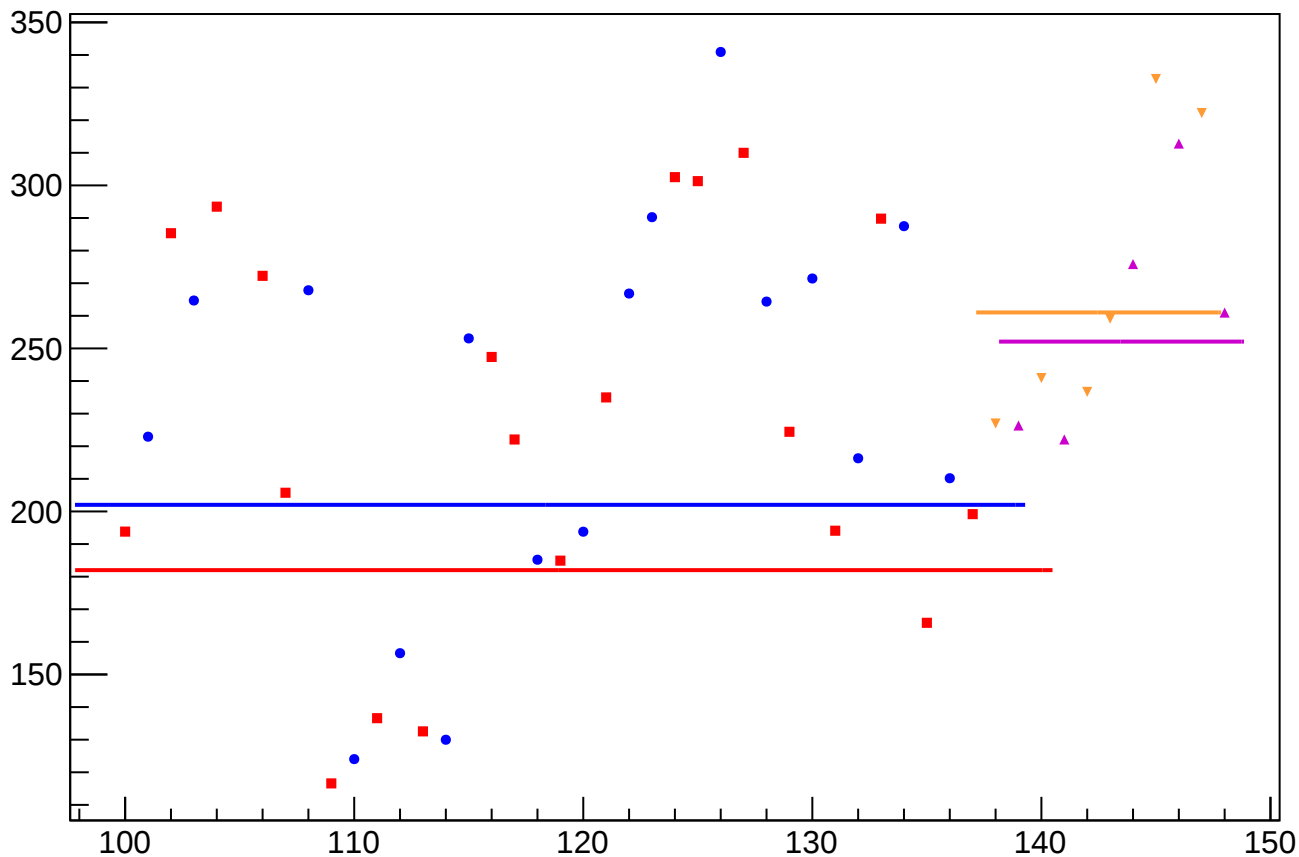
Right Out: -11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

Left In: -224.109 $\pm$ 127.621 χ^2 /NDF:2.9/4

102.037 $\pm$ 69.652 χ^2 /NDF: 8.8/22

-63.853 $\pm$ 63.474 χ^2 /NDF: 12.8/24

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2/NDF : 881608.7/16

Left Out: 261.036 $\pm$ 0.092 χ^2/NDF :179204.6/5

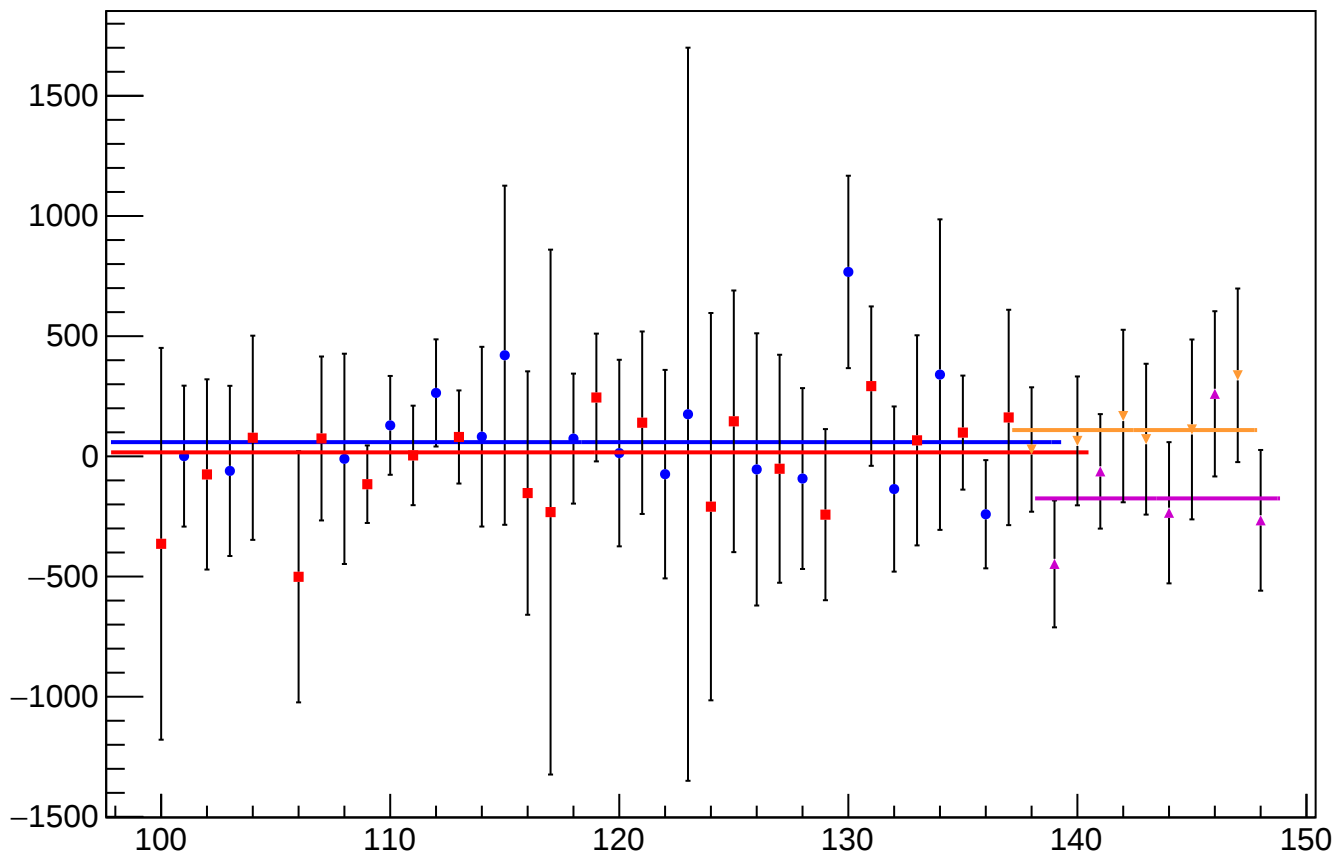
Right Out: 182.000 $\pm$ 0.052 χ^2/NDF : 1380354.3/19

Left In: 252.090 $\pm$ 0.090 χ^2/NDF :123733.5/4

218.981 $\pm$ 0.049 χ^2/NDF : 1354710.9/22

199.338 $\pm$ 0.045 χ^2/NDF : 1958121.0/24

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 ± 81.417 χ^2/NDF : 7.1/16

Left Out: 109.380 ± 127.444 χ^2/NDF : 0.6/5

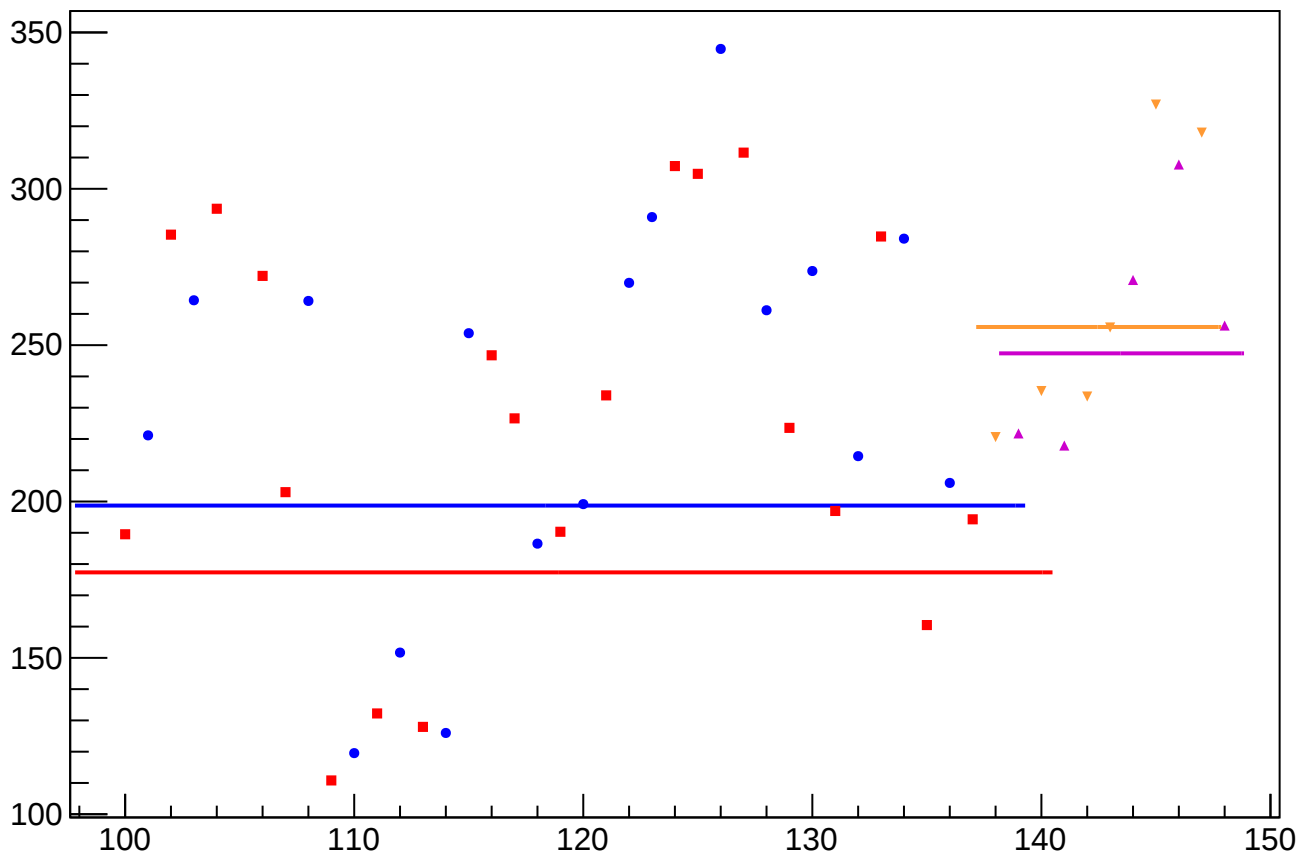
Right Out: 16.650 ± 71.745 χ^2/NDF : 4.7/19

Left In: -174.941 ± 125.303 χ^2/NDF : 3.0/4

73.726 ± 68.611 χ^2/NDF : 7.8/22

-30.653 ± 62.261 χ^2/NDF : 9.5/24

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 ± 0.058 $\chi^2/\text{NDF}: 963394.4/16$

Left Out: 255.808 ± 0.090 $\chi^2/\text{NDF}: 187874.0/5$

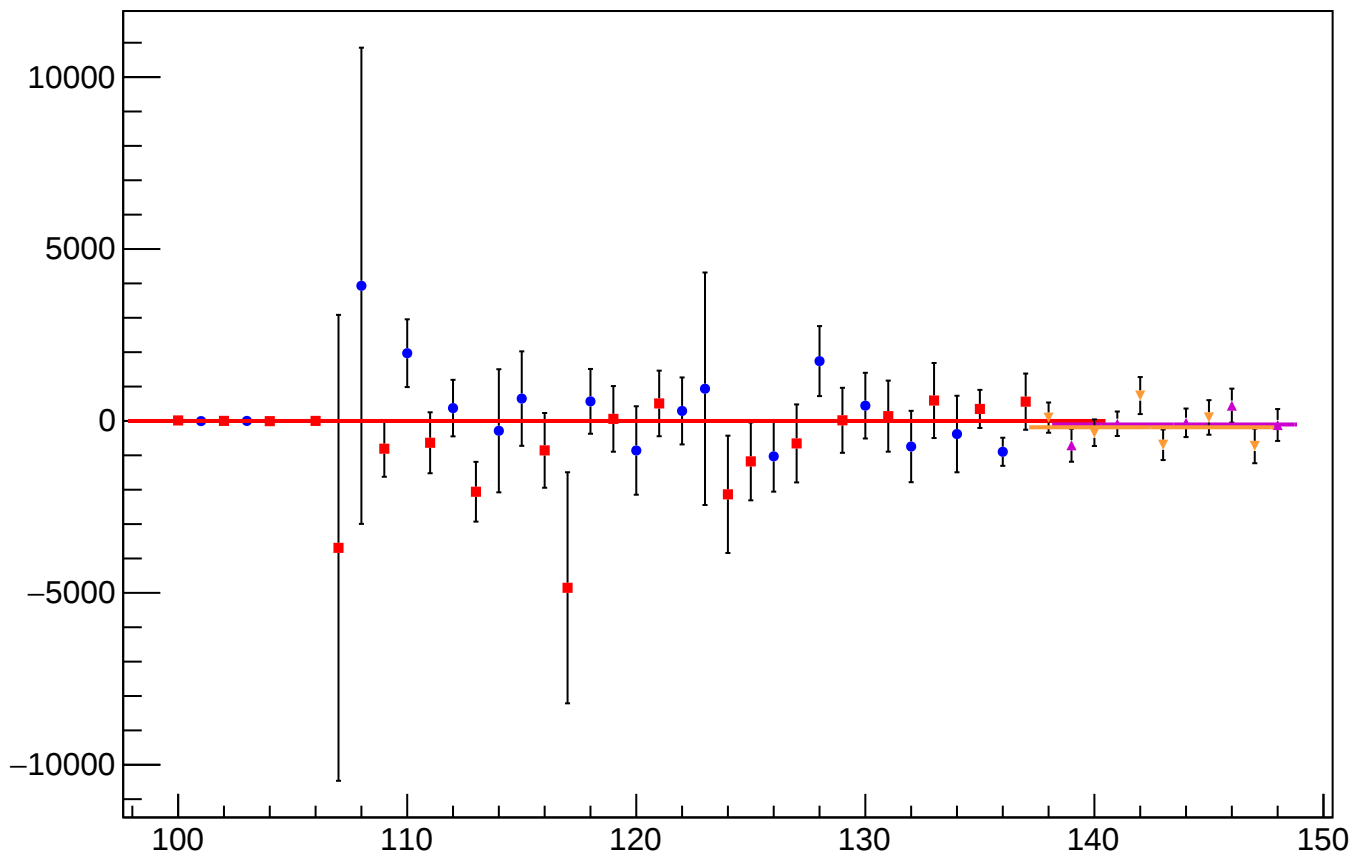
Right Out: 177.338 ± 0.051 $\chi^2/\text{NDF}: 1528976.8/19$

Left In: 247.378 ± 0.089 $\chi^2/\text{NDF}: 125783.3/4$

215.254 ± 0.049 $\chi^2/\text{NDF}: 1436429.6/22$

194.631 ± 0.044 $\chi^2/\text{NDF}: 2125358.2/24$

asym_cav4bQ_mean vs Slug



Right In: -1.529+/-2.251 χ^2/NDF : 16.6/16

Left Out: -183.893+/-188.136 χ^2/NDF : 6.3/5

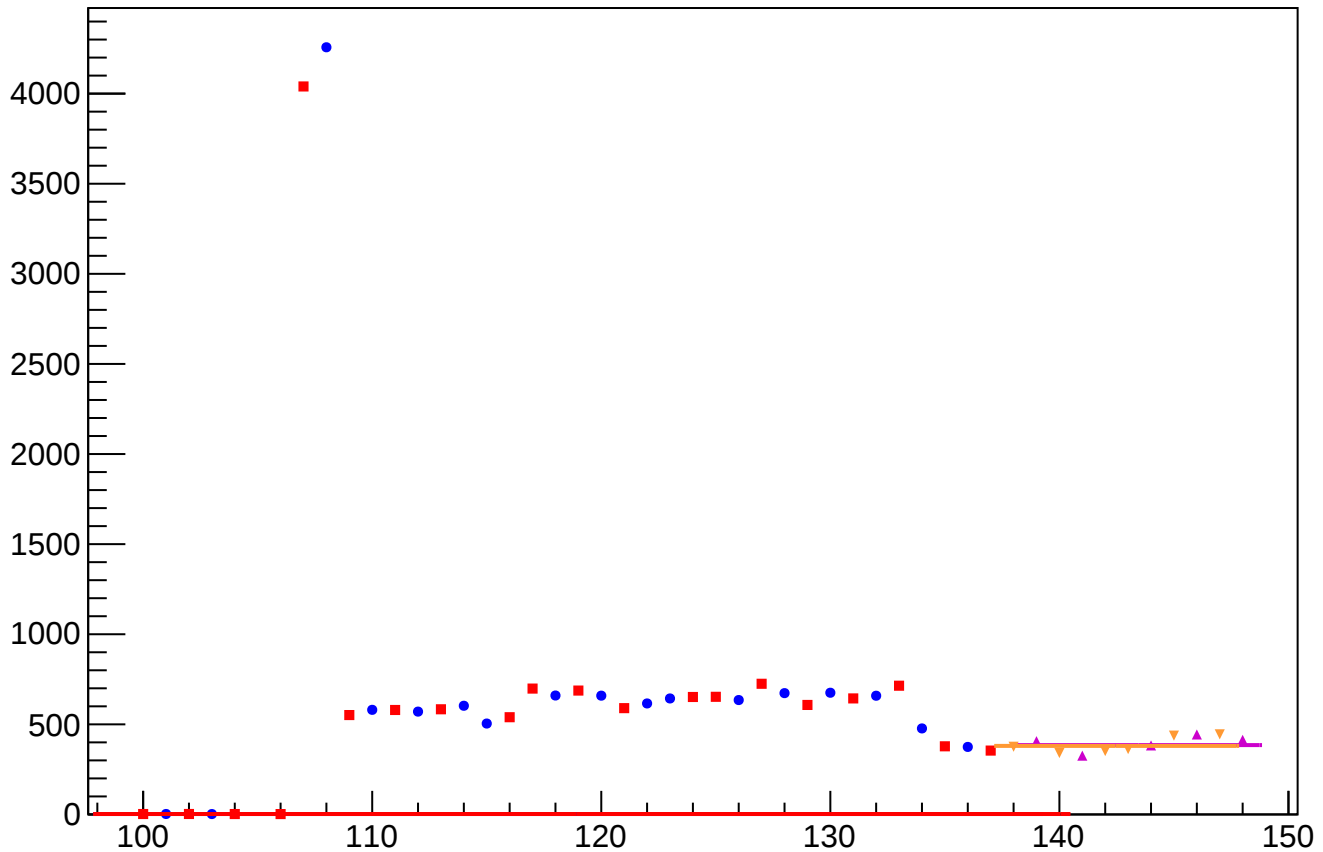
Right Out: -0.733+/-2.111 χ^2/NDF : 20.5/19

Left In: -102.721+/-193.245 χ^2/NDF : 2.8/4

-1.555+/-2.251 χ^2/NDF : 23.9/22

-0.746+/-2.111 χ^2/NDF : 23.6/24

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 380.471+/-0.133 χ^2/NDF : 88220.0/5

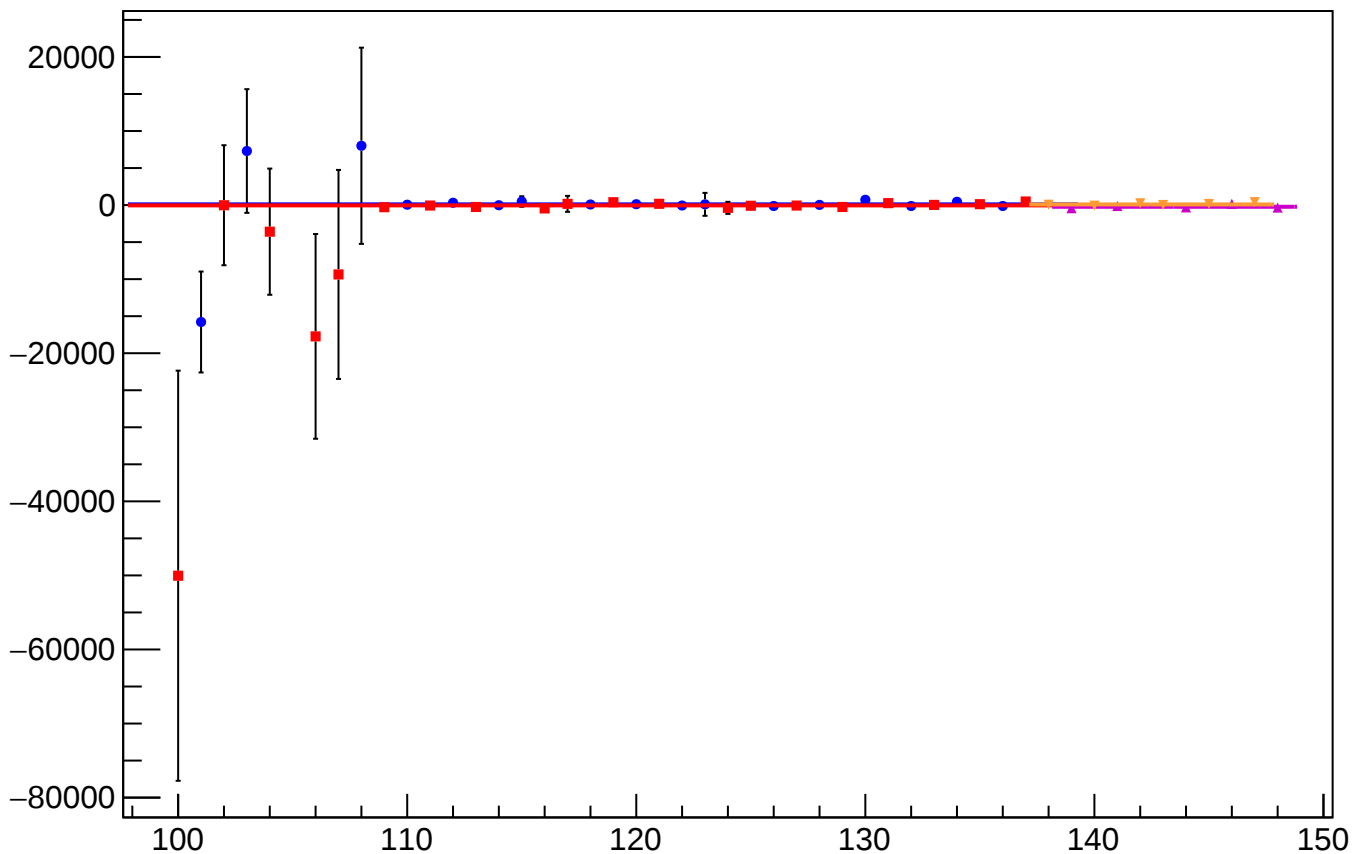
2.510+/-0.002 χ^2/NDF : 18867731.5/22

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

2.483+/-0.001 χ^2/NDF : 19152930.1/24

Left In: 384.874+/-0.137 χ^2/NDF : 94720.8/4

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 87.057+/-132.416 χ^2/NDF : 1.3/5

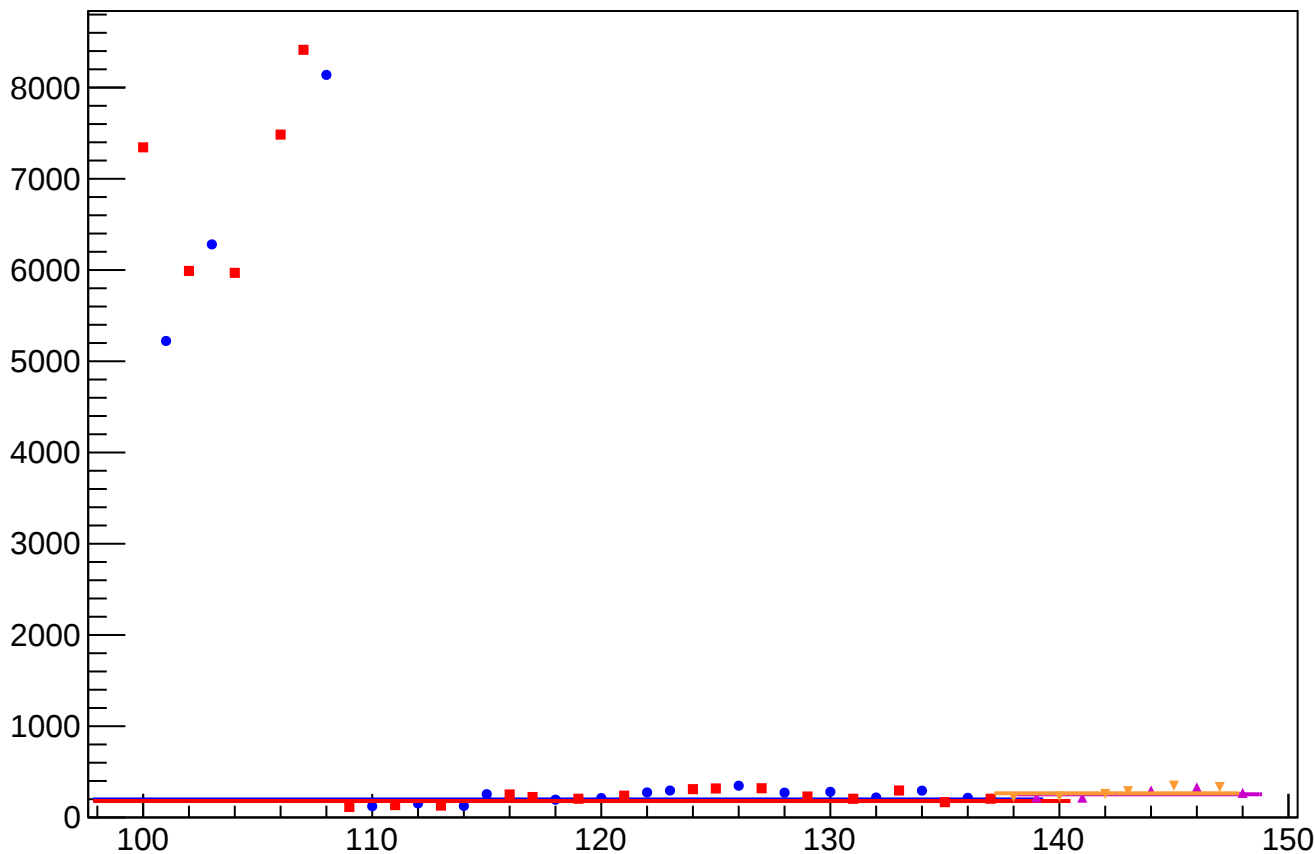
Right Out: -41.335+/-84.288 χ^2/NDF : 14.0/19

Left In: -227.653+/-129.310 χ^2/NDF : 2.1/4

92.664+/-75.392 χ^2/NDF : 13.3/22

-96.892+/-70.611 χ^2/NDF : 17.6/24

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 264.529+/-0.094 χ^2/NDF : 254510.9/5

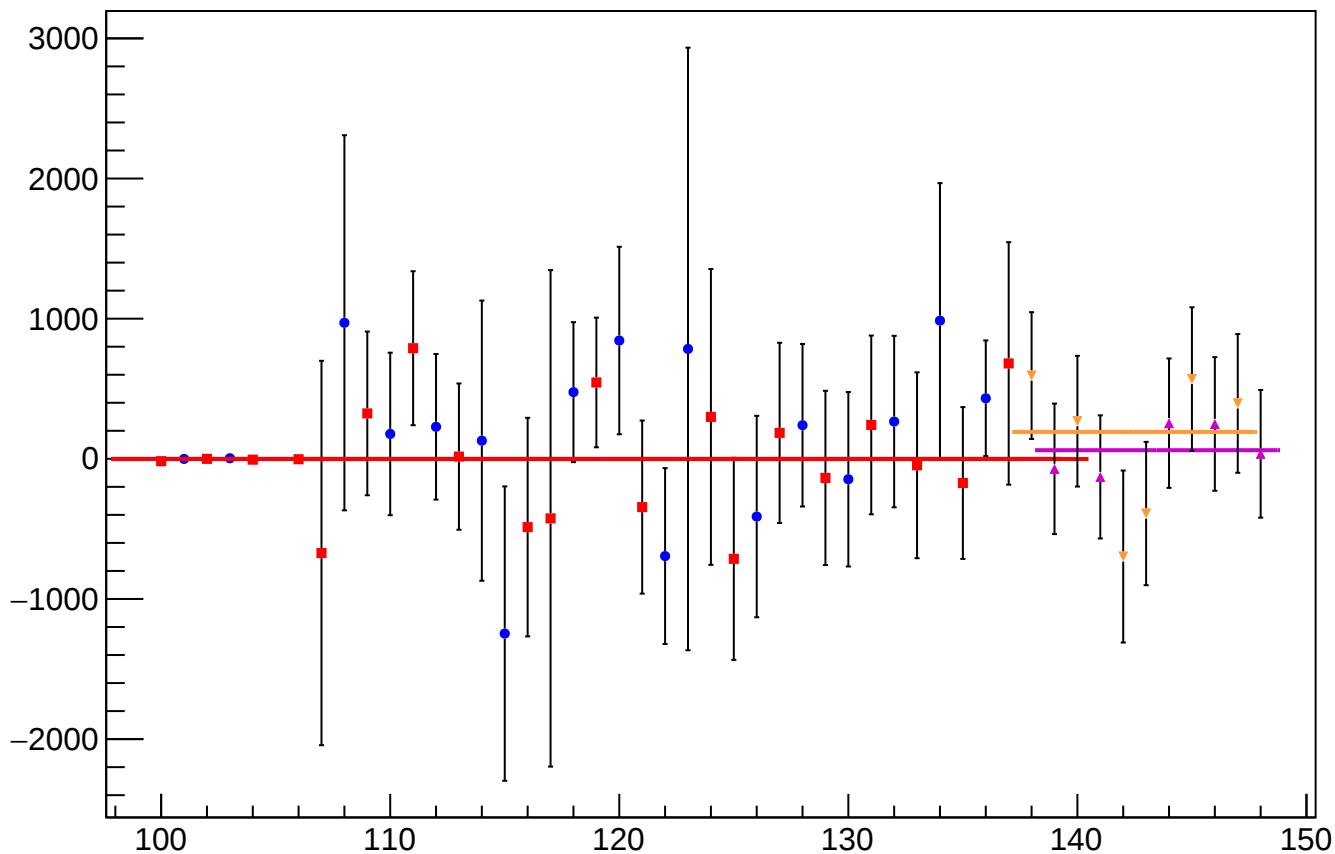
Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

Left In: 253.942+/-0.091 χ^2/NDF : 204584.9/4

219.176+/-0.053 χ^2/NDF : 4297509.7/22

202.224+/-0.050 χ^2/NDF : 4985116.8/24

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 191.850 ± 204.709 χ^2/NDF : 4.9/5

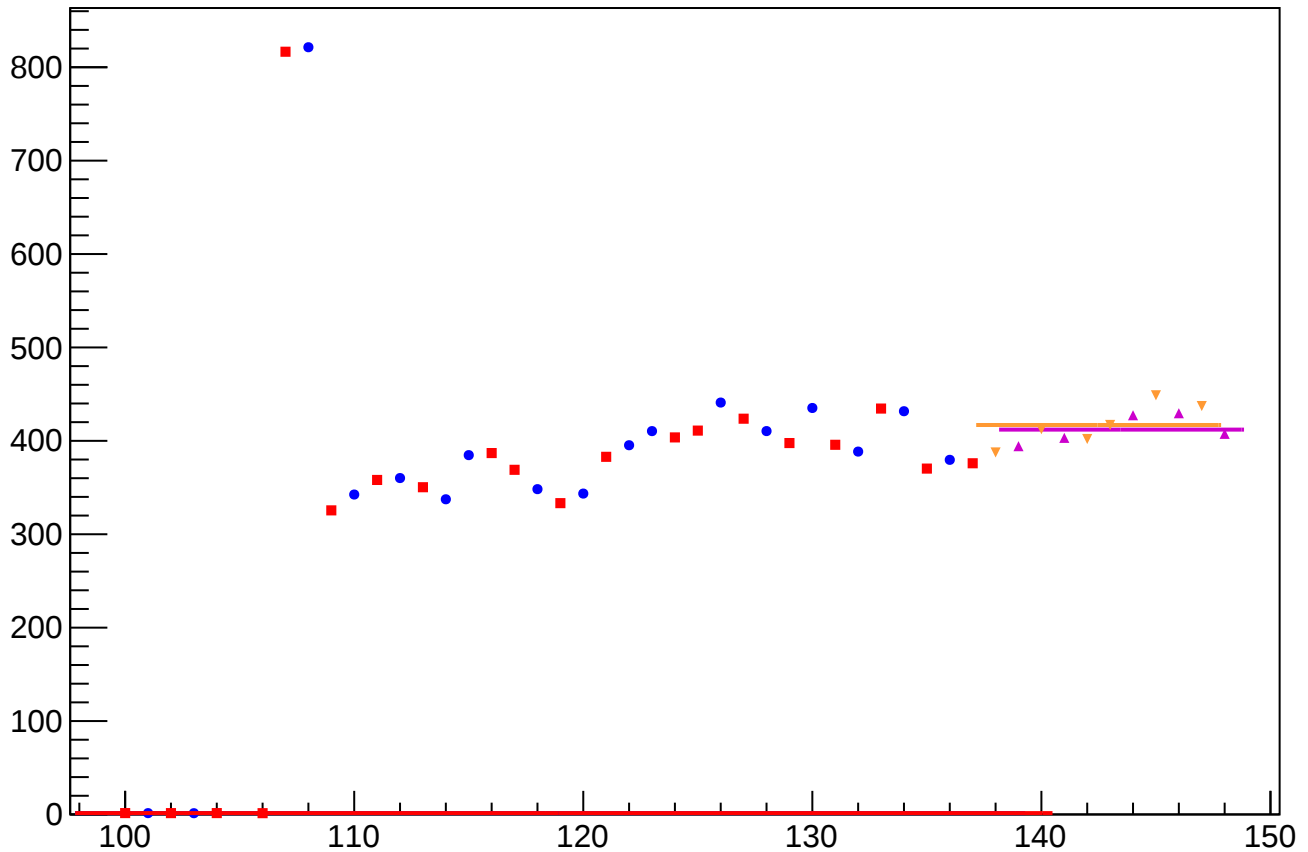
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.6/19

Left In: 61.600 ± 205.387 χ^2/NDF : 0.6/4

-0.125 ± 1.737 χ^2/NDF : 15.6/22

-1.320 ± 1.623 χ^2/NDF : 10.3/24

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 416.976+/-0.145 χ^2/NDF : 20902.4/5

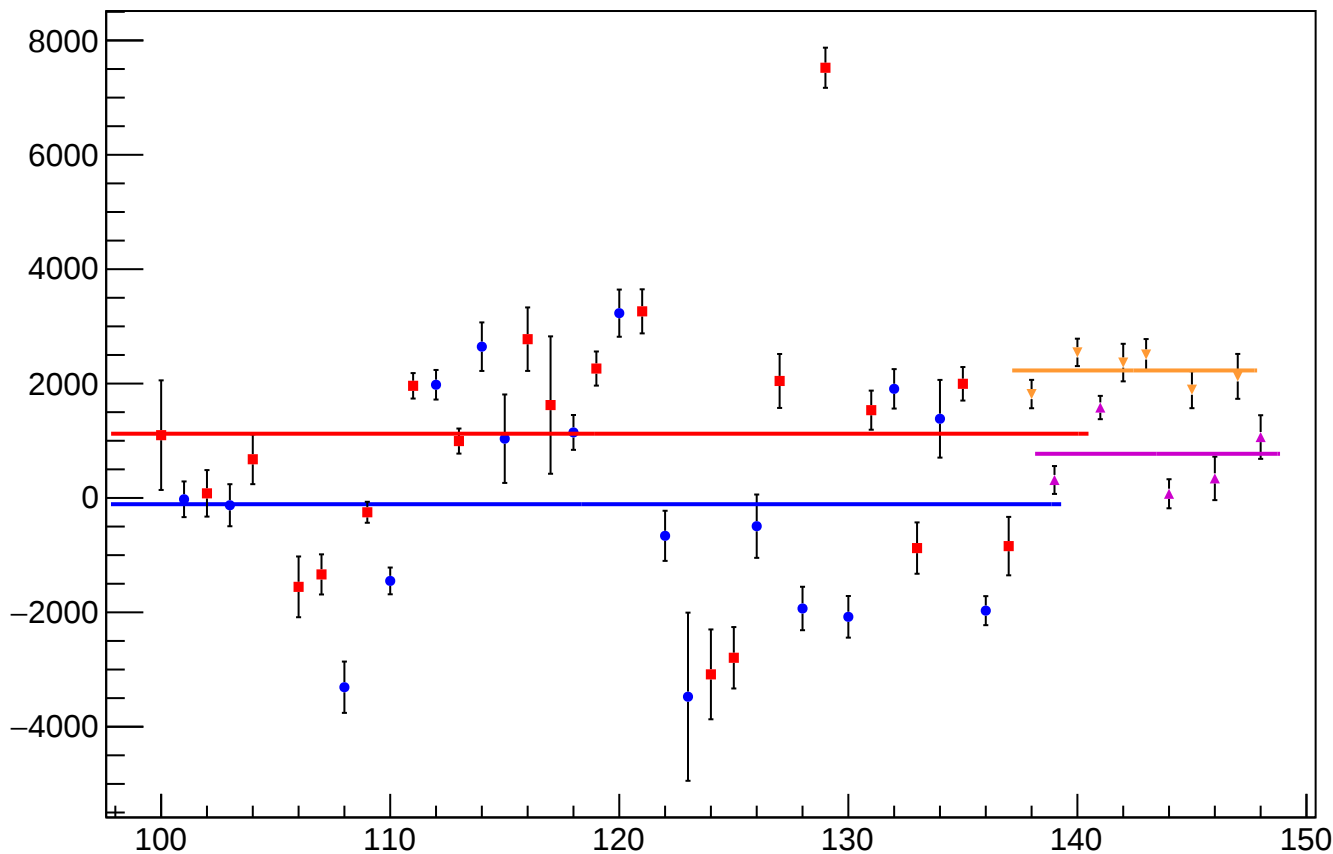
Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

Left In: 412.024+/-0.145 χ^2/NDF : 8831.3/4

1.482+/-0.001 χ^2/NDF : 19076603.0/22

1.477+/-0.001 χ^2/NDF : 18960173.0/24

asym_bcm0l02_mean vs Slug



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 2229.303+/-117.317 χ^2/NDF : 6.9/5

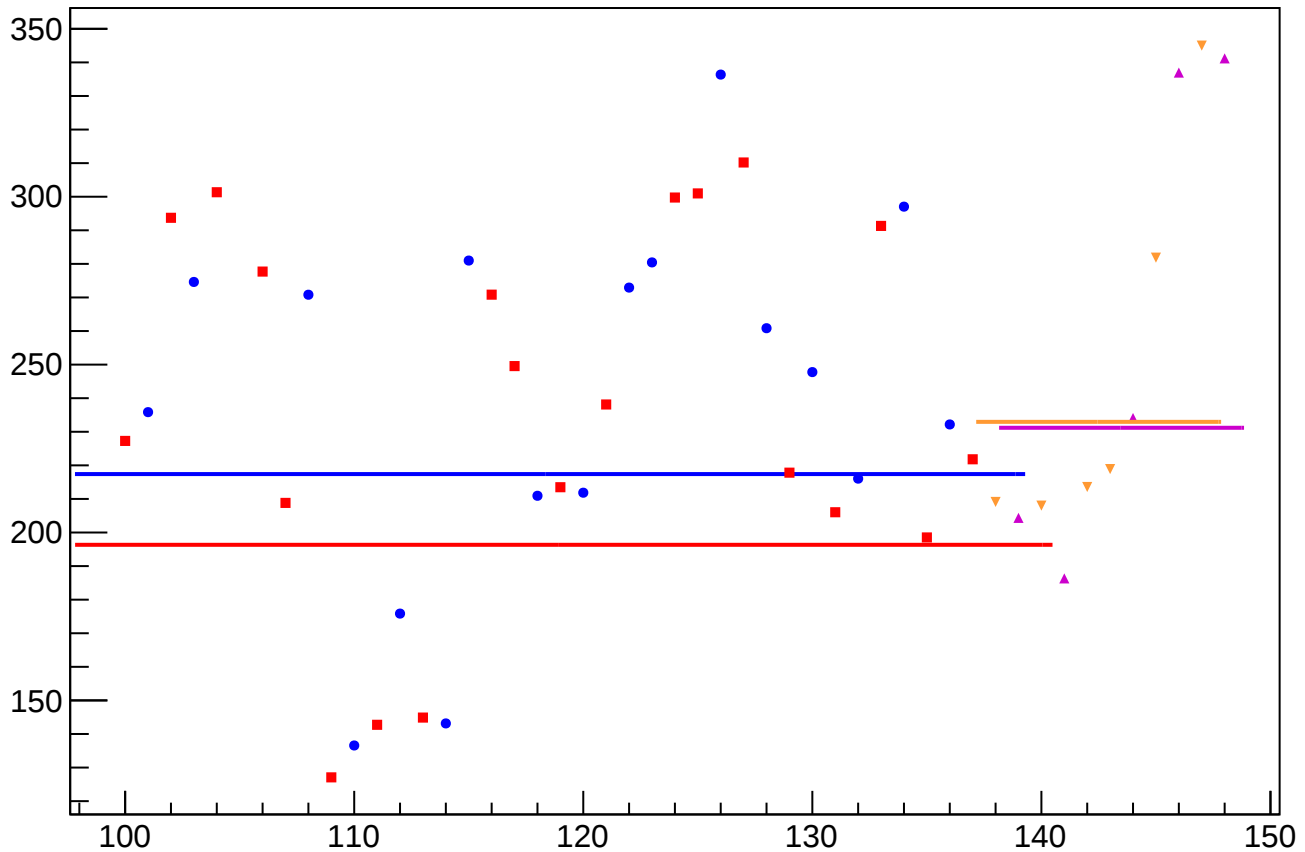
Right Out: 1123.337+/-78.230 χ^2/NDF : 670.2/19

Left In: 772.223+/-119.328 χ^2/NDF : 28.7/4

732.321+/-70.377 χ^2/NDF : 689.6/22

1017.793+/-65.424 χ^2/NDF : 705.0/24

asym_bcm0l02_rms vs Slug



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 232.955 $\pm$ 0.083 χ^2 /NDF: 261182.7/5

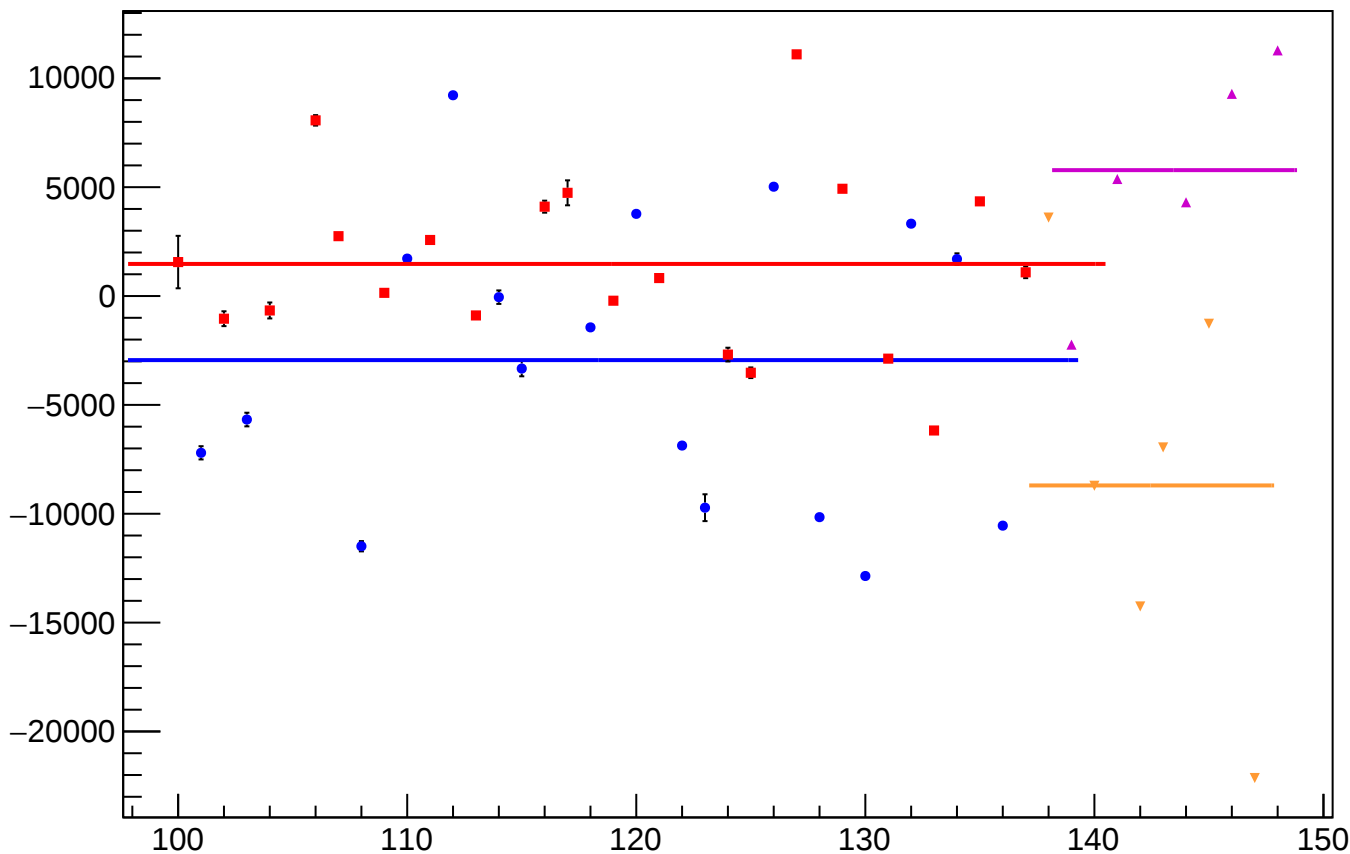
Right Out: 196.339 $\pm$ 0.055 χ^2 /NDF: 1194805.7/19

Left In: 231.189 $\pm$ 0.084 χ^2 /NDF: 442659.9/4

222.999 $\pm$ 0.050 χ^2 /NDF: 936315.4/22

206.815 $\pm$ 0.046 χ^2 /NDF: 1756779.9/24

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -8699.787+/-58.136 χ^2/NDF : 21957.3/5

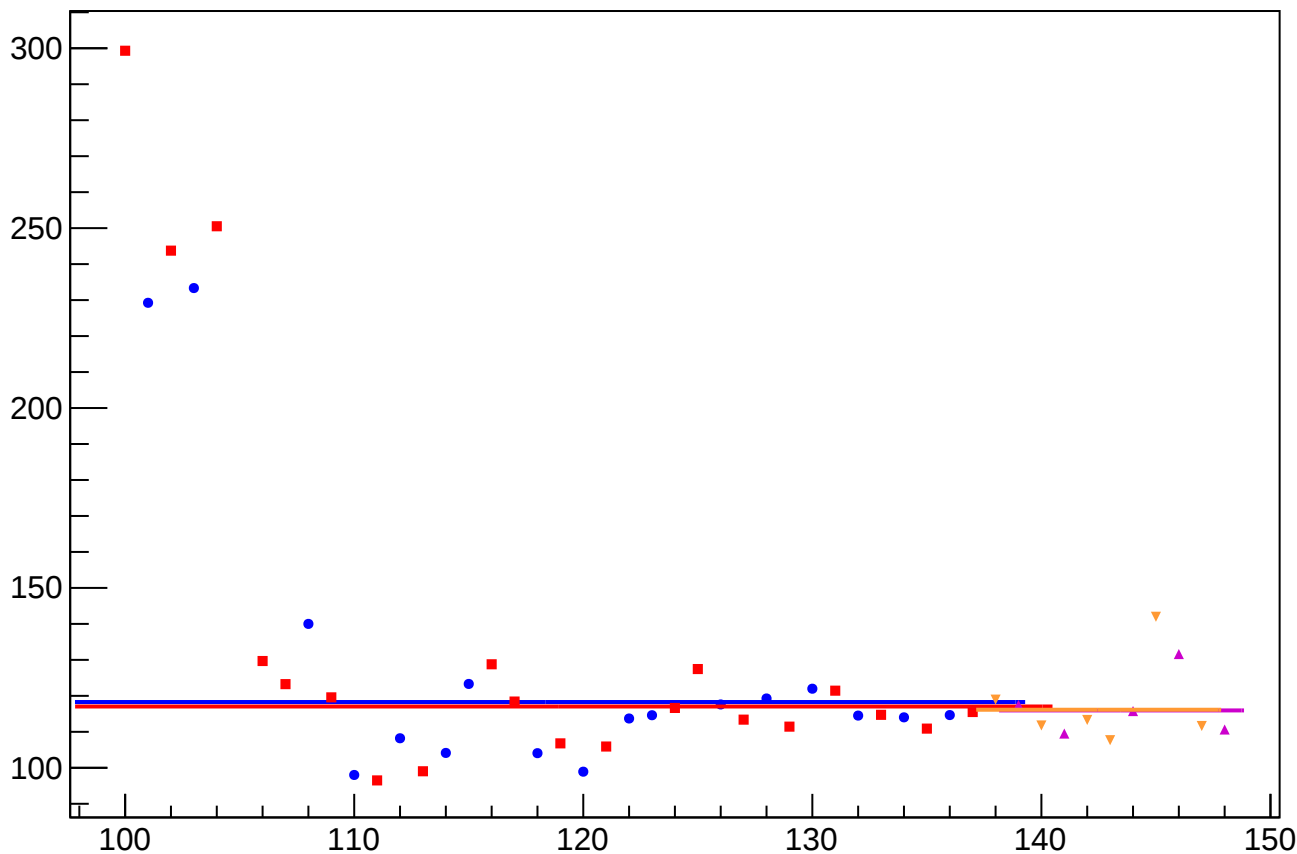
Right Out: 1474.497+/-46.252 χ^2/NDF : 8028.6/19

Left In: 5782.460+/-58.650 χ^2/NDF : 5853.1/4

-5311.927+/-37.293 χ^2/NDF : 48637.5/22

3126.377+/-36.318 χ^2/NDF : 17208.2/24

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 116.139+/-0.041 χ^2/NDF : 63477.2/5

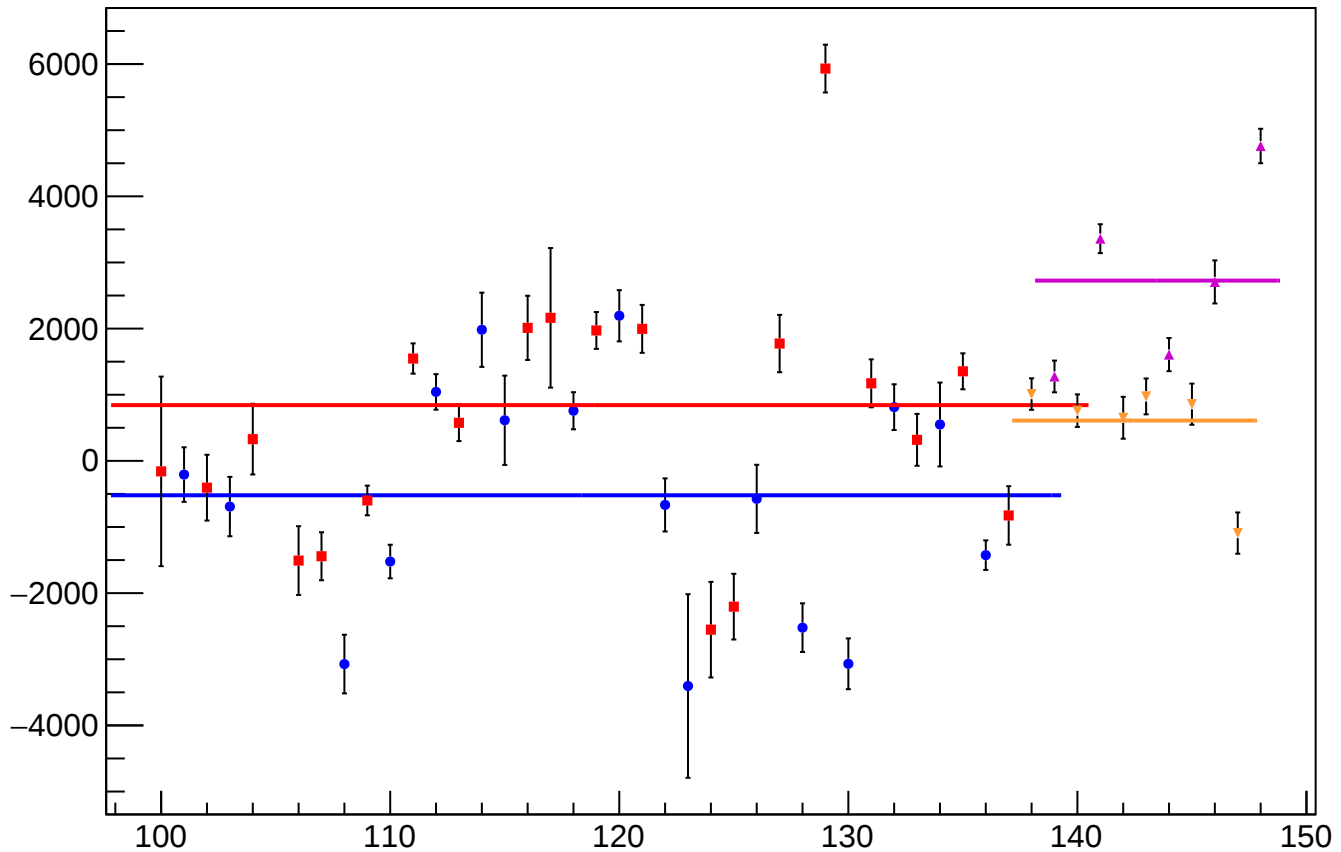
Right Out: 117.040+/-0.033 χ^2/NDF : 690873.1/19

Left In: 115.949+/-0.041 χ^2/NDF : 32083.5/4

117.402+/-0.026 χ^2/NDF : 702000.5/22

116.622+/-0.026 χ^2/NDF : 723383.6/24

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 $\chi^2/\text{NDF}: 288.1/16$

Left Out: 609.808 ± 112.958 $\chi^2/\text{NDF}: 35.4/5$

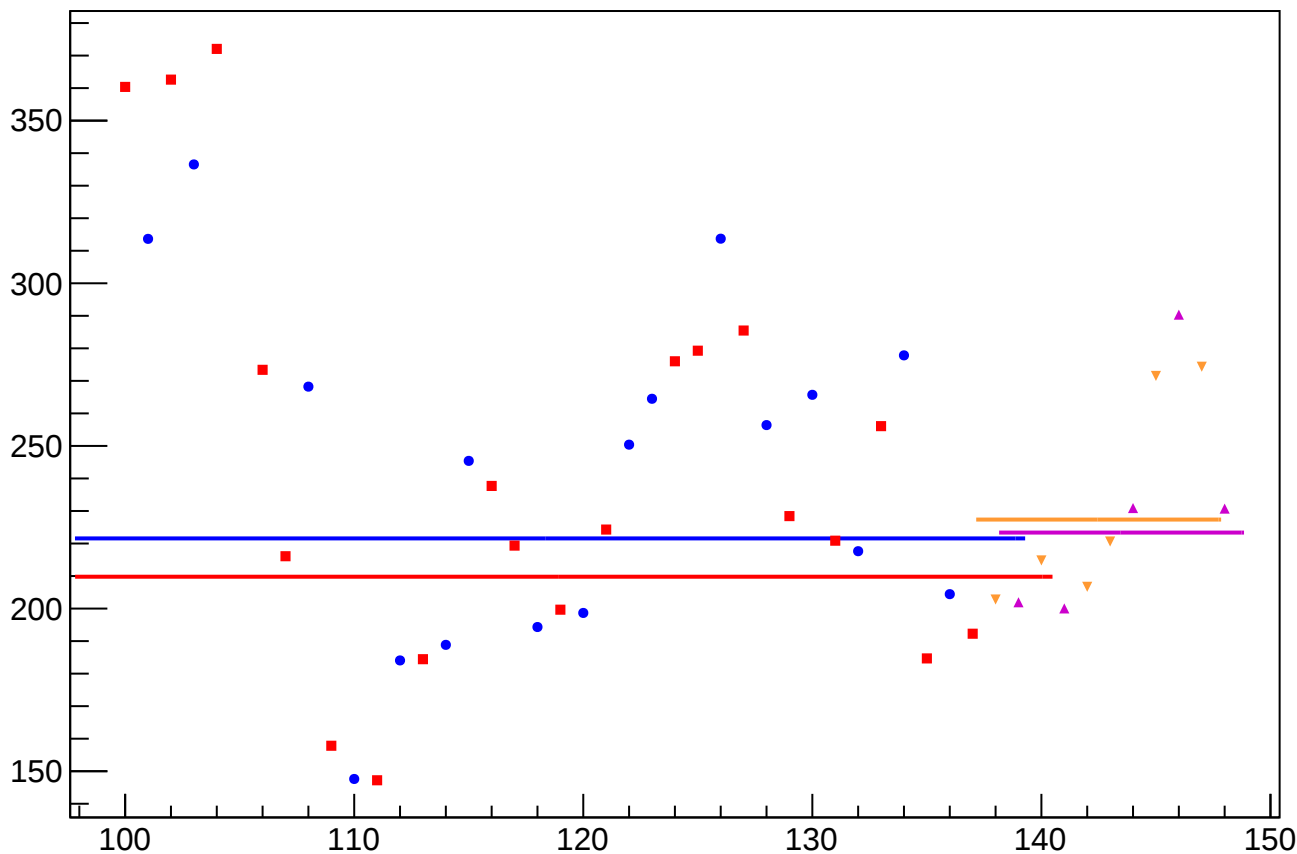
Right Out: 842.858 ± 82.024 $\chi^2/\text{NDF}: 436.3/19$

Left In: 2725.716 ± 112.870 $\chi^2/\text{NDF}: 126.0/4$

-85.984 ± 70.024 $\chi^2/\text{NDF}: 385.1/22$

1493.570 ± 66.354 $\chi^2/\text{NDF}: 744.4/24$

asym_bpm0i07WS_rms vs Slug



Right In: 221.570+/-0.063 χ^2/NDF : 644941.4/16

Left Out: 227.363+/-0.080 χ^2/NDF : 121952.7/5

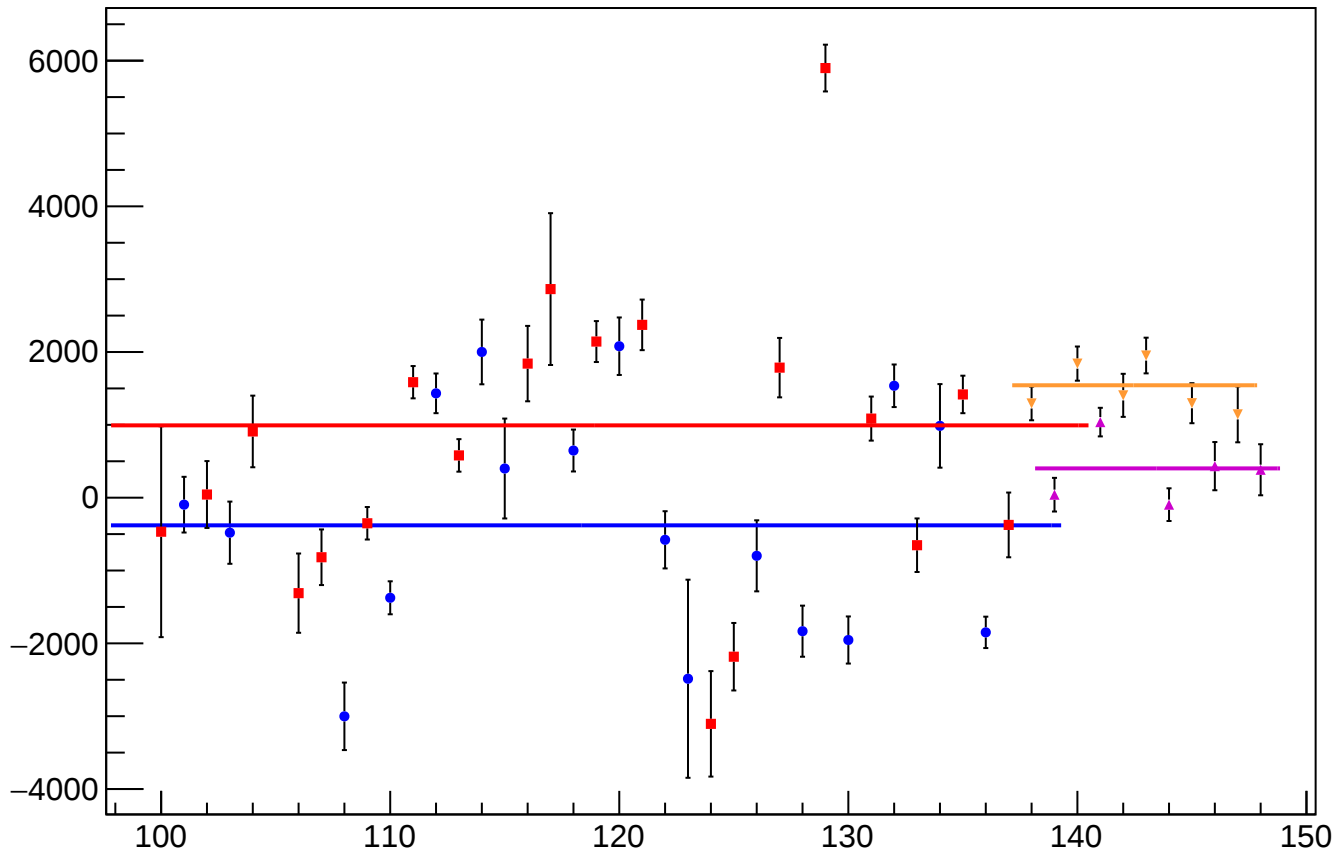
Right Out: 209.794+/-0.058 χ^2/NDF : 884087.4/19

Left In: 223.364+/-0.080 χ^2/NDF : 126913.4/4

223.796+/-0.050 χ^2/NDF : 770132.7/22

214.484+/-0.047 χ^2/NDF : 1029919.0/24

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1543.397 ± 108.466 χ^2/NDF : 7.7/5

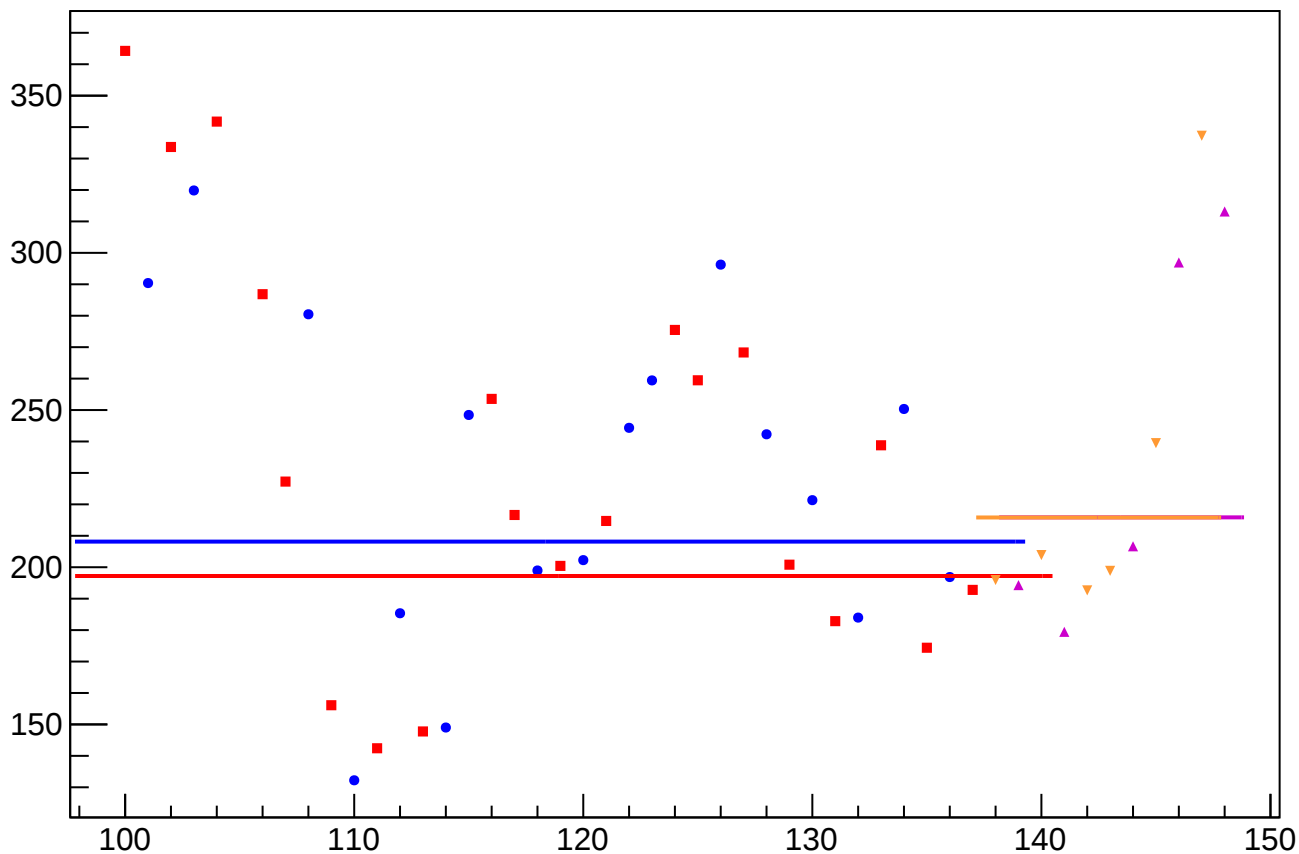
Right Out: 992.944 ± 77.509 χ^2/NDF : 479.5/19

Left In: 402.080 ± 110.545 χ^2/NDF : 17.9/4

344.094 ± 66.541 χ^2/NDF : 520.8/22

798.204 ± 63.464 χ^2/NDF : 516.5/24

asym_bpm0l01WS_rms vs Slug



Right In: 208.151 ± 0.060 χ^2/NDF : 699084.2/16

Left Out: 215.828 ± 0.077 χ^2/NDF : 256959.6/5

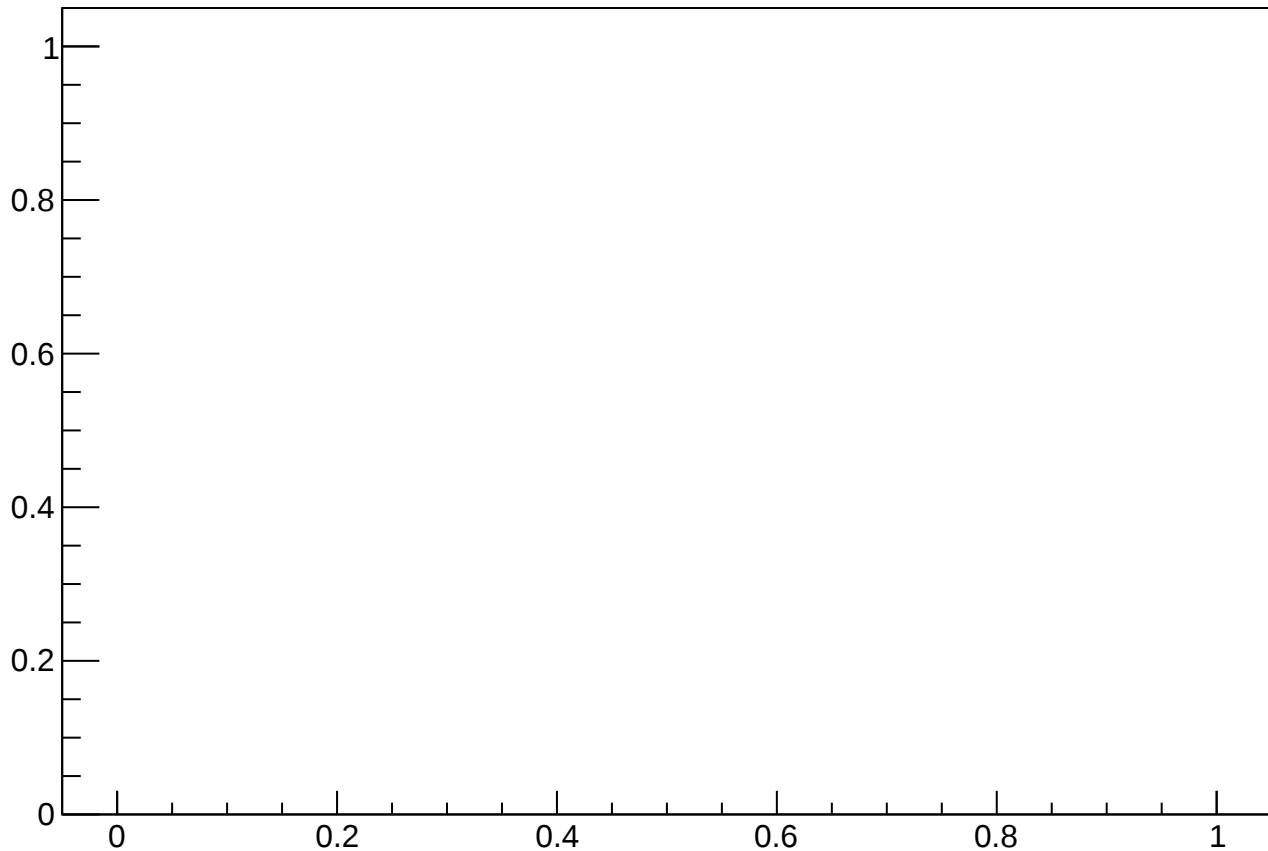
Right Out: 197.210 ± 0.055 χ^2/NDF : 927165.0/19

Left In: 215.862 ± 0.078 χ^2/NDF : 363769.0/4

211.040 ± 0.047 χ^2/NDF : 962292.2/22

203.358 ± 0.045 χ^2/NDF : 1329102.7/24

bcm_an_us_ds_dd_mean vs Slug



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

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

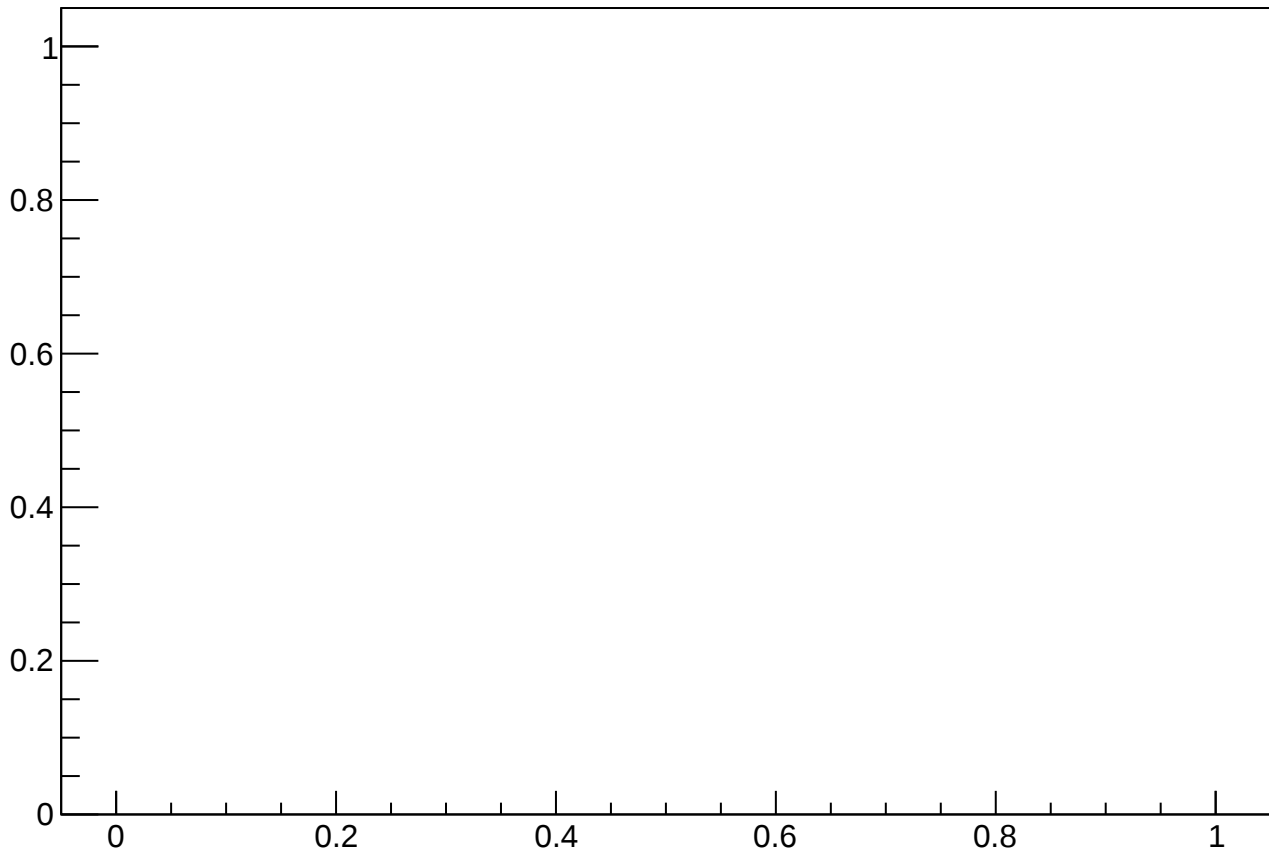
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

bcm_an_us_ds_dd_rms vs Slug



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

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

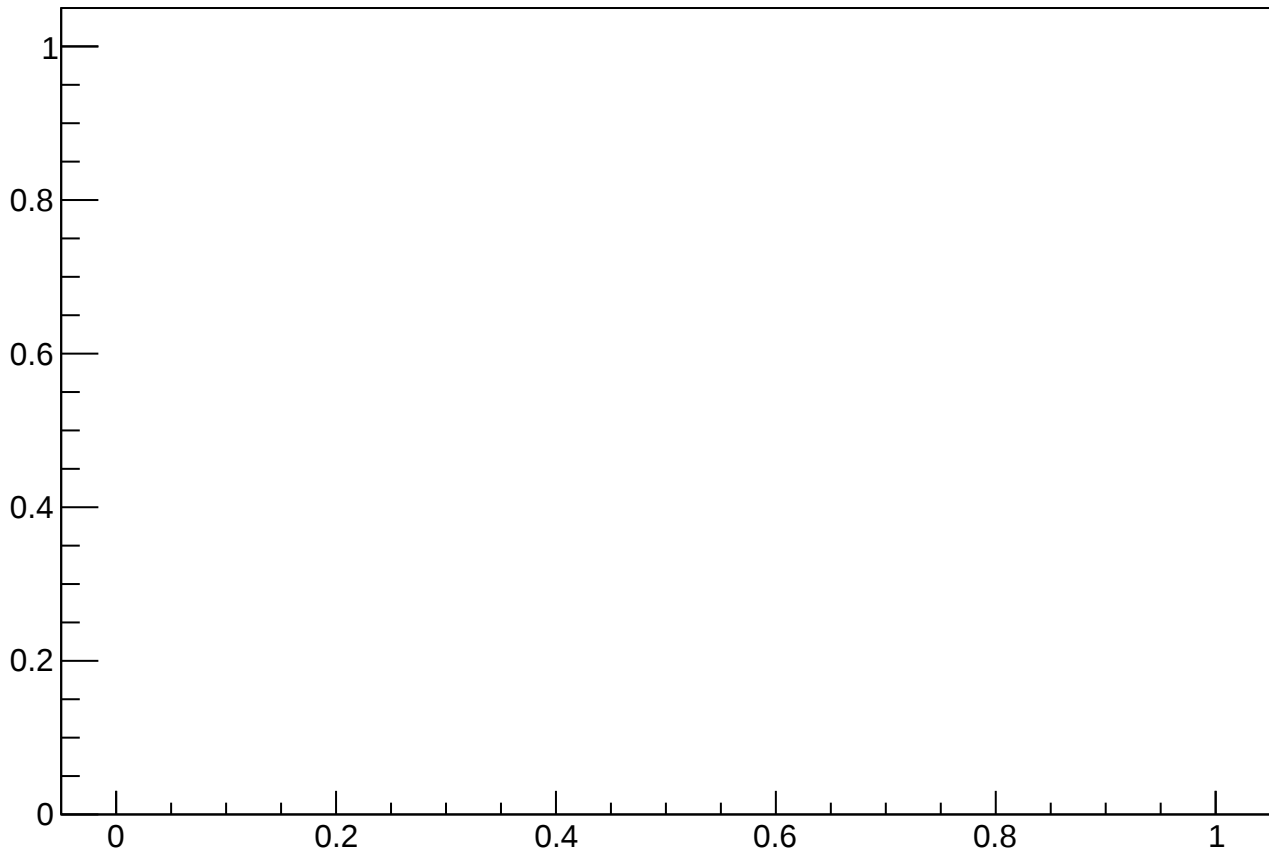
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

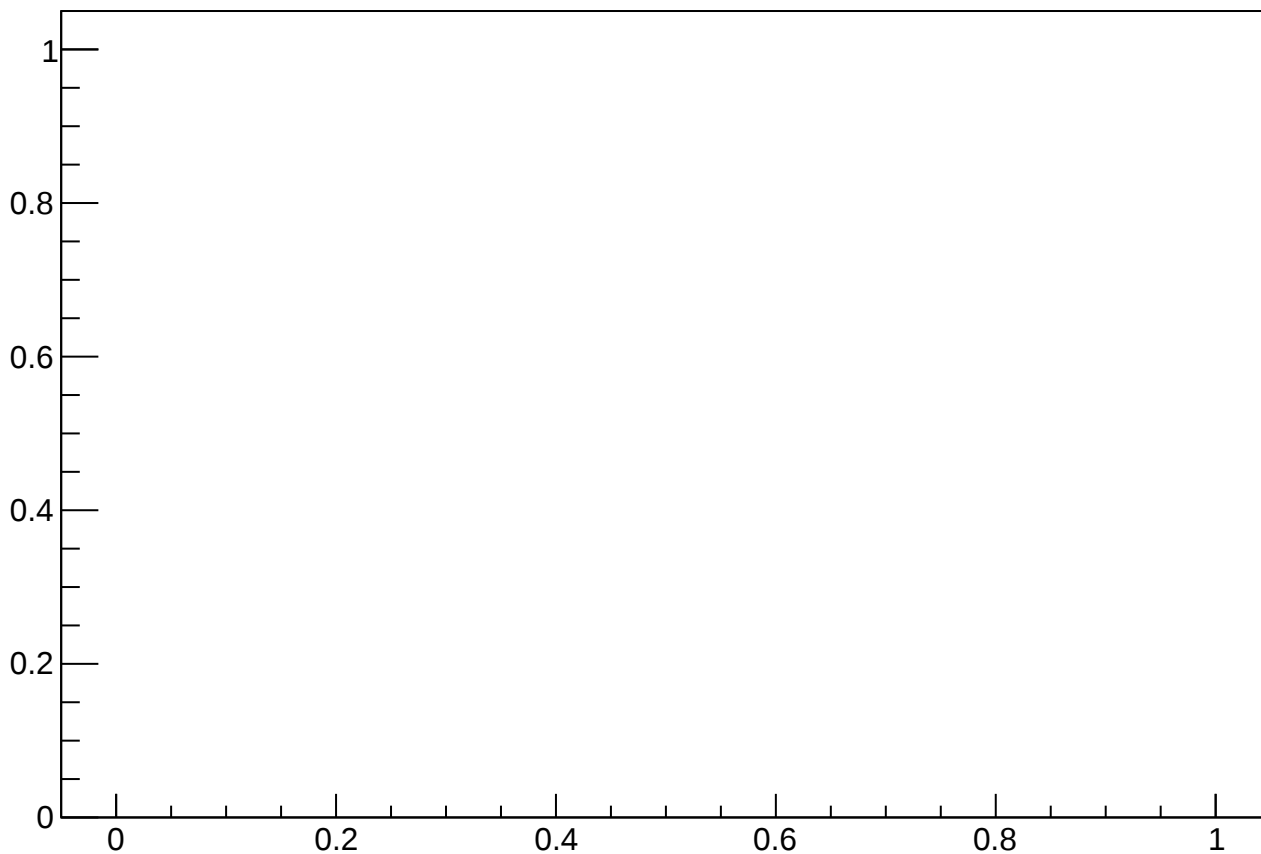
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

bcm_dg_us_dg_ds_dd_rms vs Slug



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

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

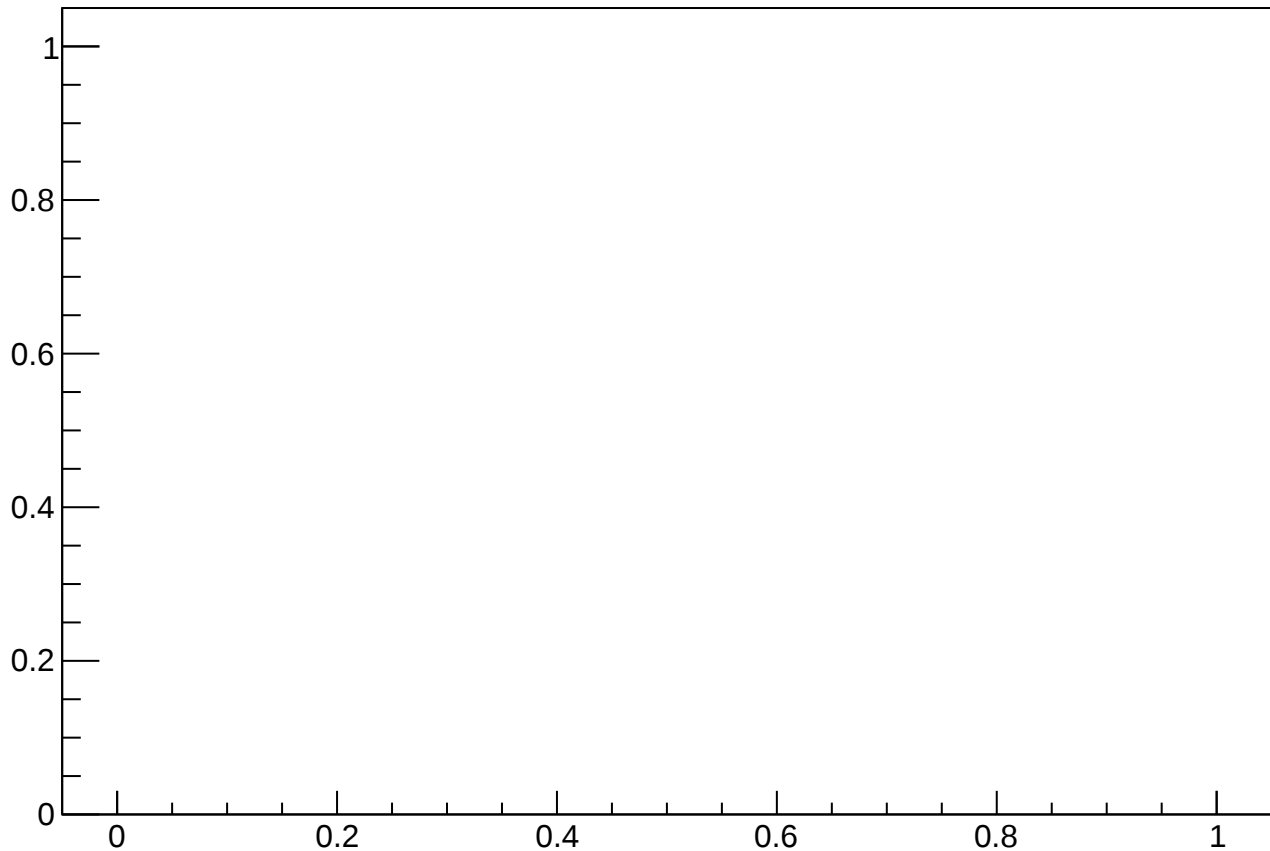
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

bcm_dg_us_ds_dd_mean vs Slug



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

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

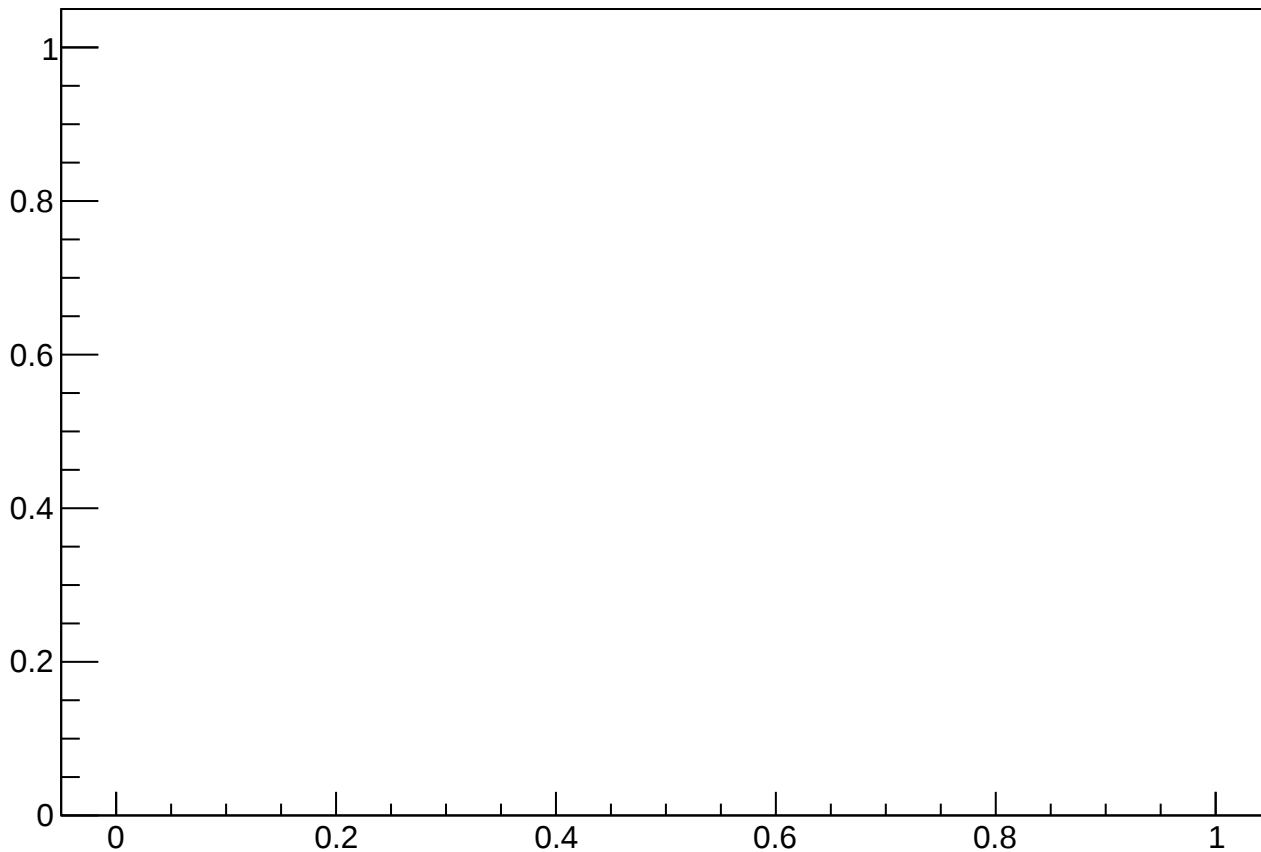
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

bcm_dg_us_ds_dd_rms vs Slug



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

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

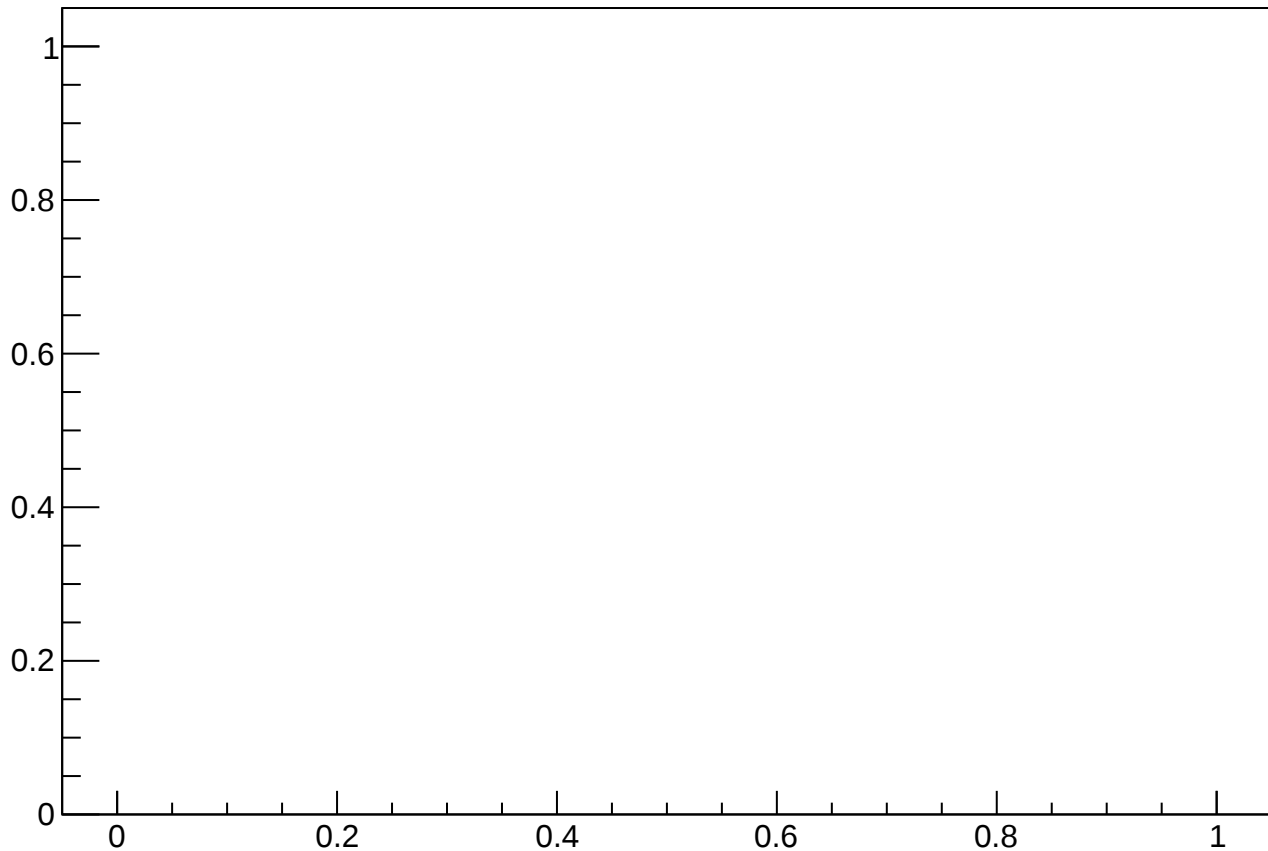
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

bcm_dg_ds_ds_dd_mean vs Slug



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

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

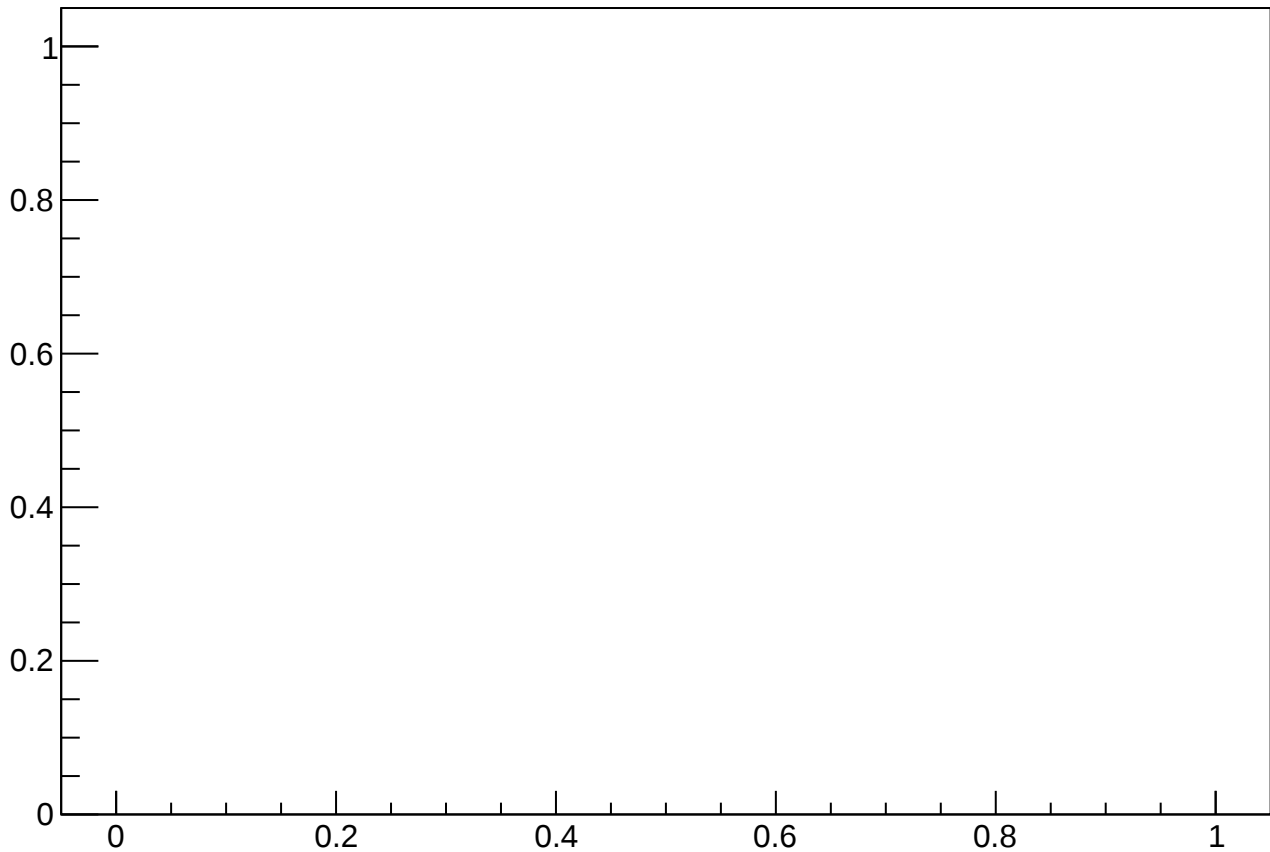
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

bcm_dg_ds_ds_dd_rms vs Slug



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

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

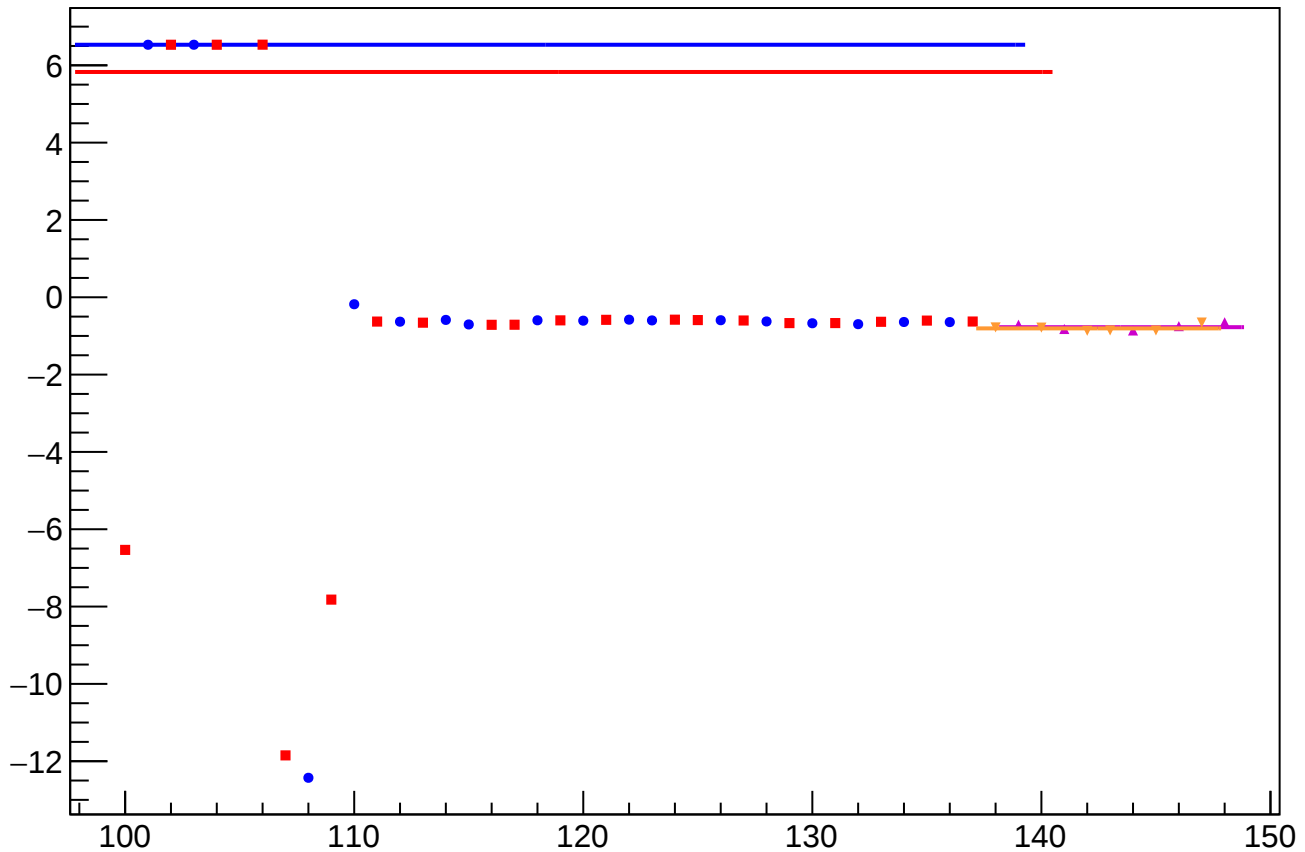
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127219747629.7/16

Left Out: -0.805 $\pm$ 0.000 χ^2 /NDF: 24878630.1/5

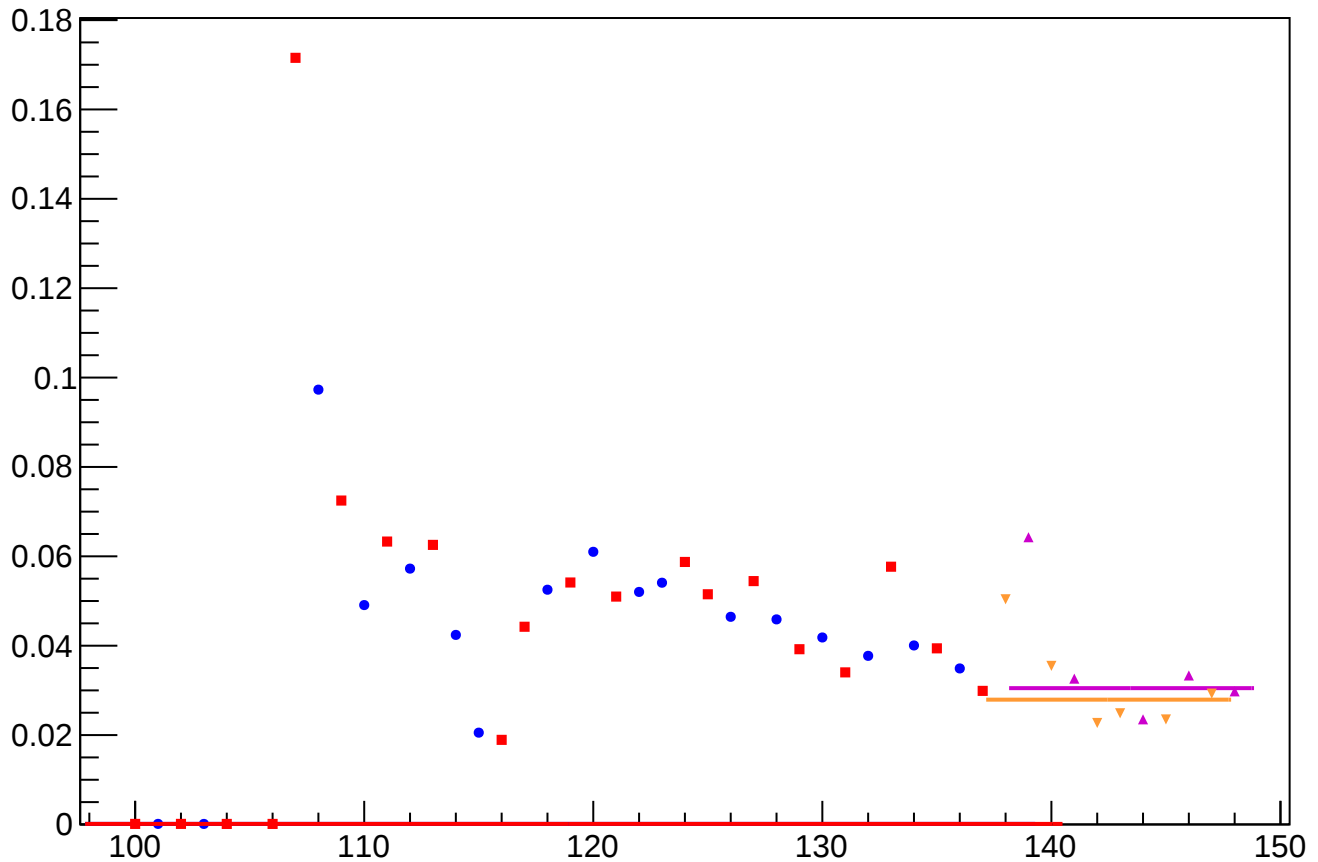
6.531 $\pm$ 0.000 χ^2 /NDF: 328525688292.1/22

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755964092355063.0/19

5.827 $\pm$ 0.000 χ^2 /NDF: 756102451708600.6/24

Left In: -0.773 $\pm$ 0.000 χ^2 /NDF: 22746175.4/4

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.028+/-0.000 χ^2/NDF :376527.3/5

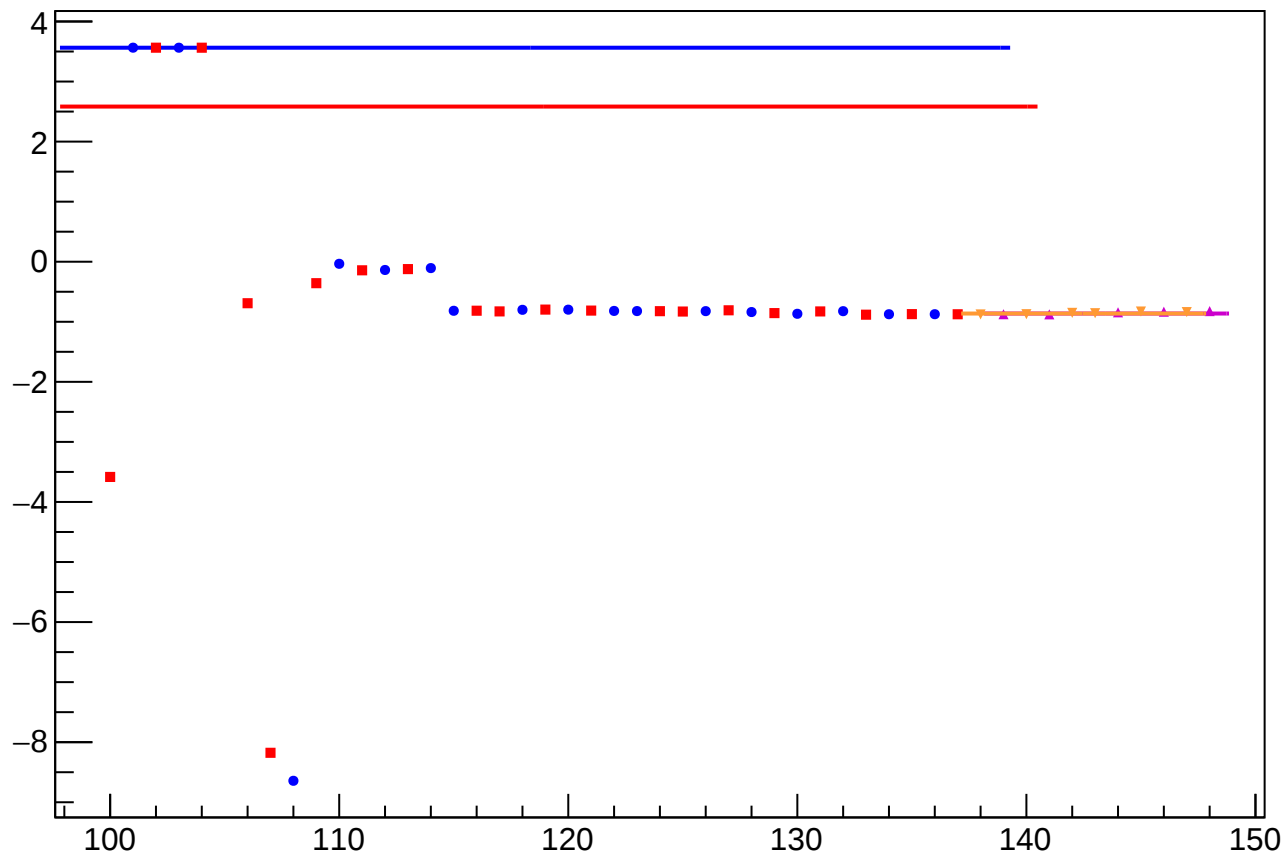
Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

Left In: 0.031+/-0.000 χ^2/NDF :511670.5/4

0.000+/-0.000 χ^2/NDF : 15046038.0/22

0.000+/-0.000 χ^2/NDF : 15801318.5/24

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.863+/-0.000 χ^2/NDF : 12483864.8/5

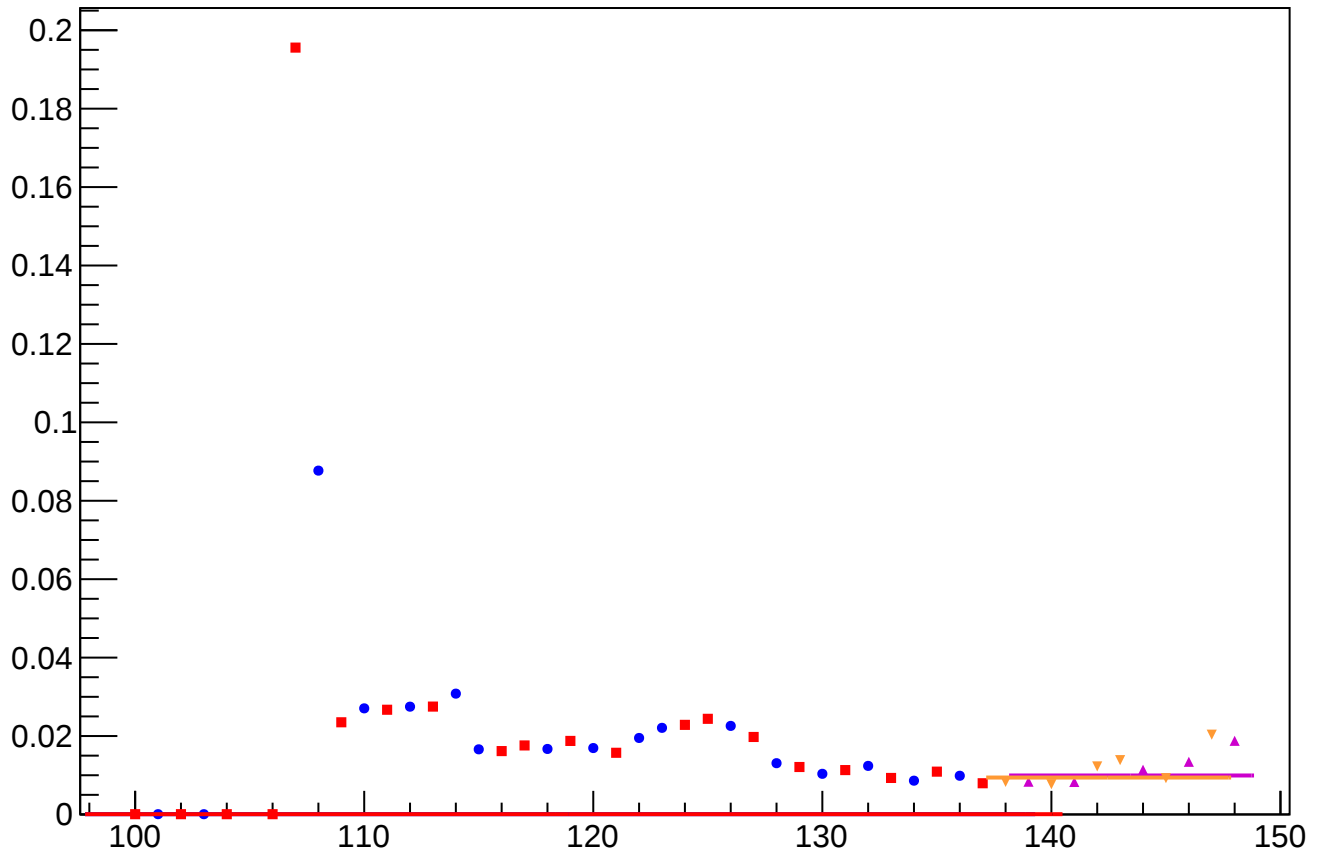
Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

Left In: -0.863+/-0.000 χ^2/NDF : 11715495.9/4

3.563+/-0.000 χ^2/NDF : 1180139044335.0/22

2.583+/-0.000 χ^2/NDF : 1253880326636468.8/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :614370.2/5

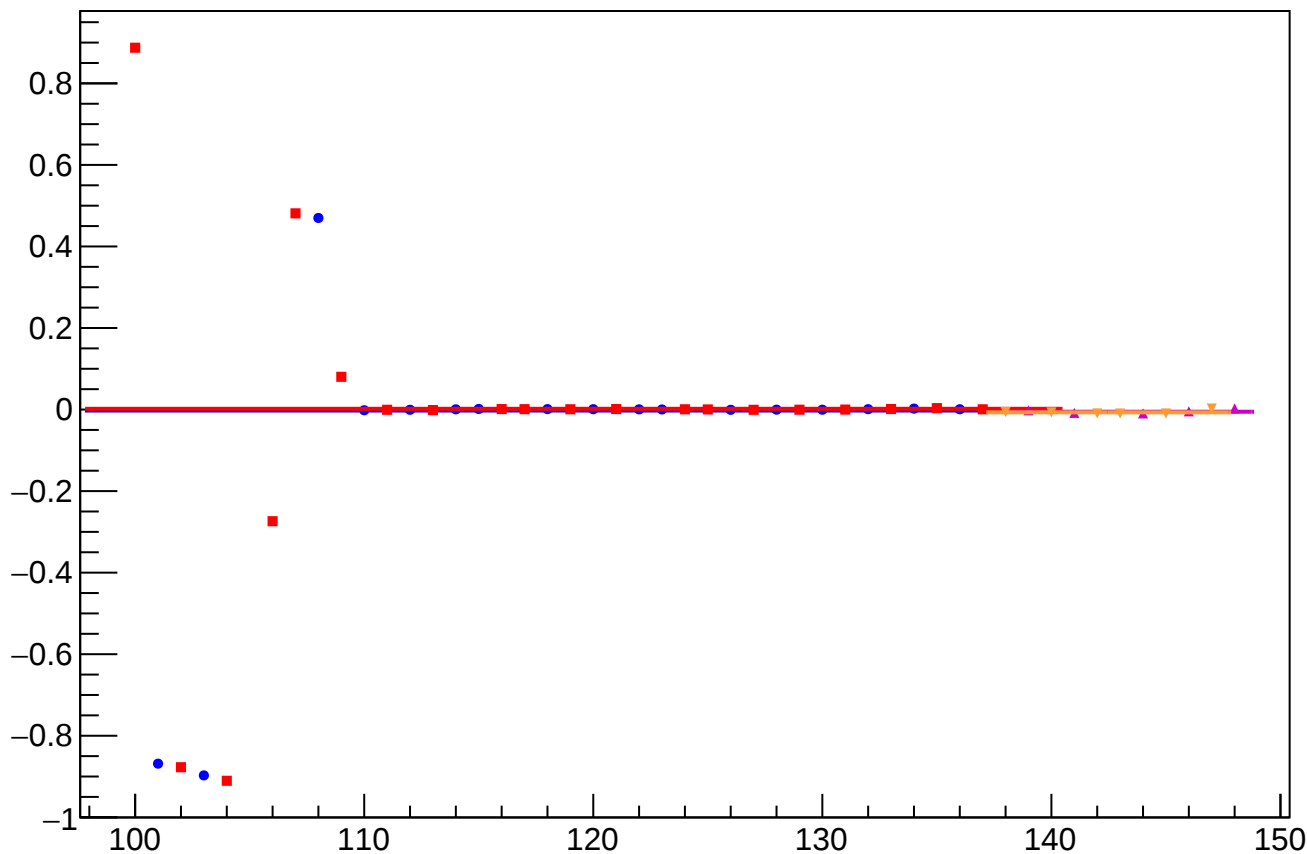
0.000+/-0.000 χ^2/NDF : 16566785.8/22

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

0.000+/-0.000 χ^2/NDF : 16635562.0/24

Left In: 0.010+/-0.000 χ^2/NDF :515860.3/4

yield_cav4cX_mean vs Slug



Right In: -0.002 $\pm$ 0.000 χ^2 /NDF: 9794863405.3/16

Left Out: -0.007 $\pm$ 0.000 χ^2 /NDF:27115668.0/5

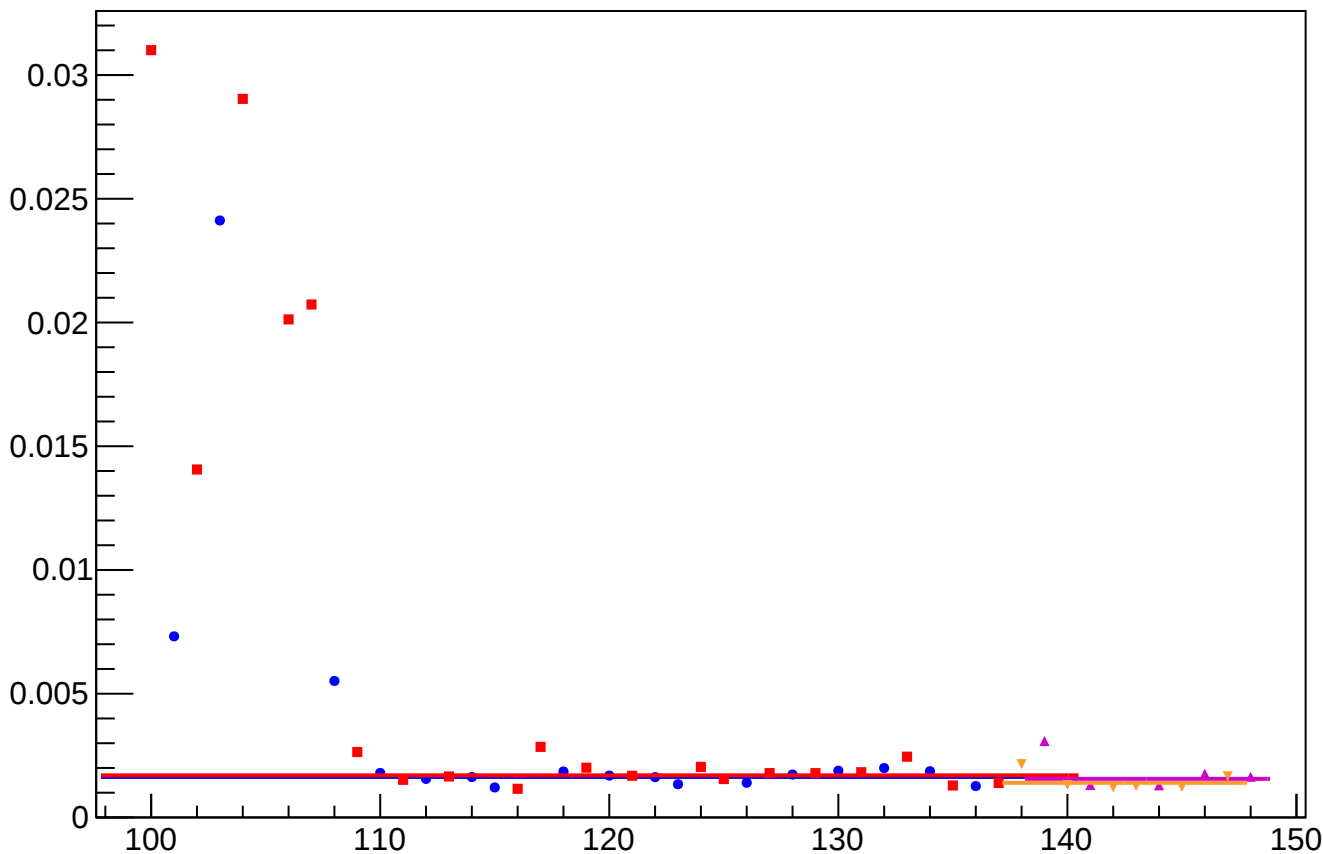
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3041323813.4/19

Left In: -0.005 $\pm$ 0.000 χ^2 /NDF:26670316.3/4

-0.004 $\pm$ 0.000 χ^2 /NDF: 9837835021.0/22

-0.001 $\pm$ 0.000 χ^2 /NDF: 3103342808.6/24

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:225665.6/5

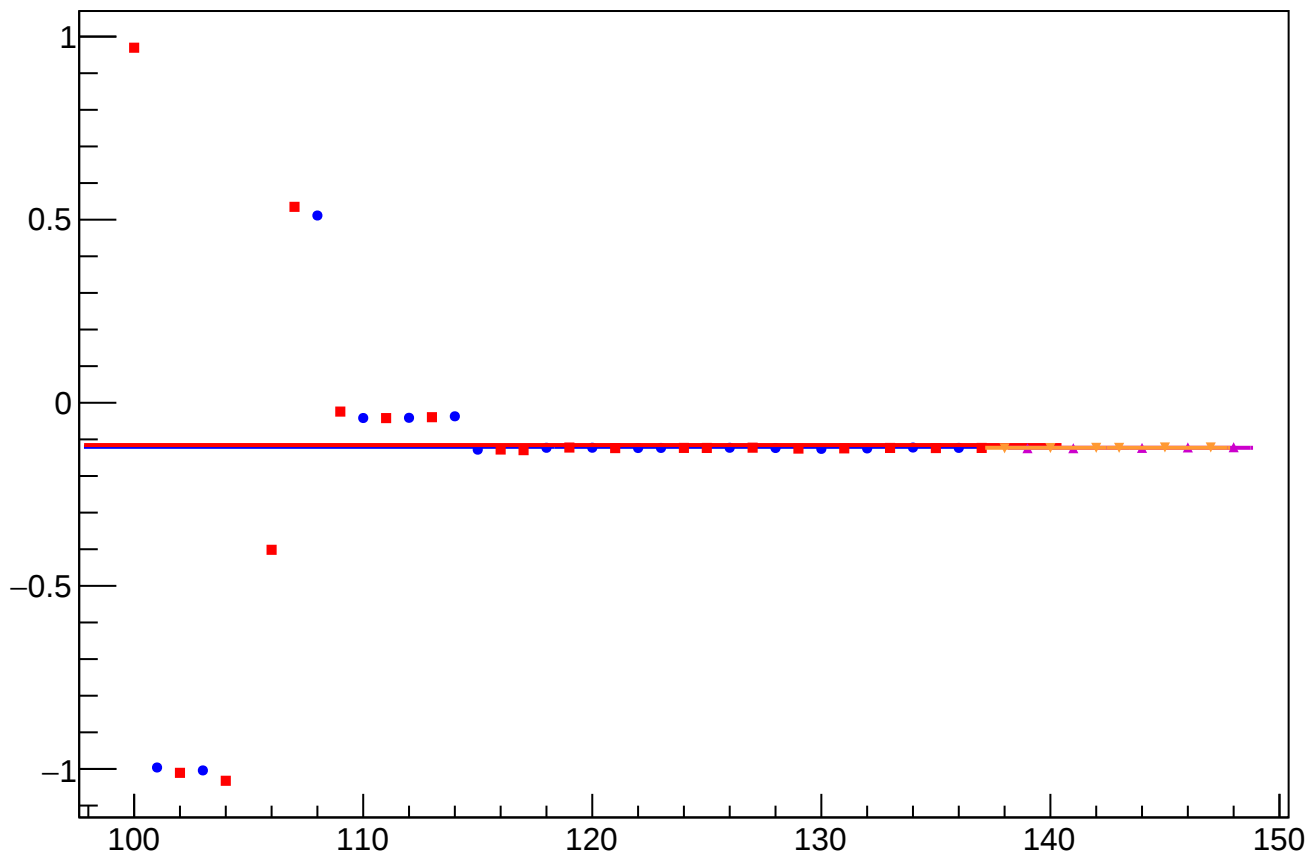
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3037006.7/19

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:465961.7/4

0.002 $\pm$ 0.000 χ^2 /NDF: 2231780.4/22

0.002 $\pm$ 0.000 χ^2 /NDF: 3530487.3/24

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.123+/-0.000 χ^2/NDF : 1877940.8/5

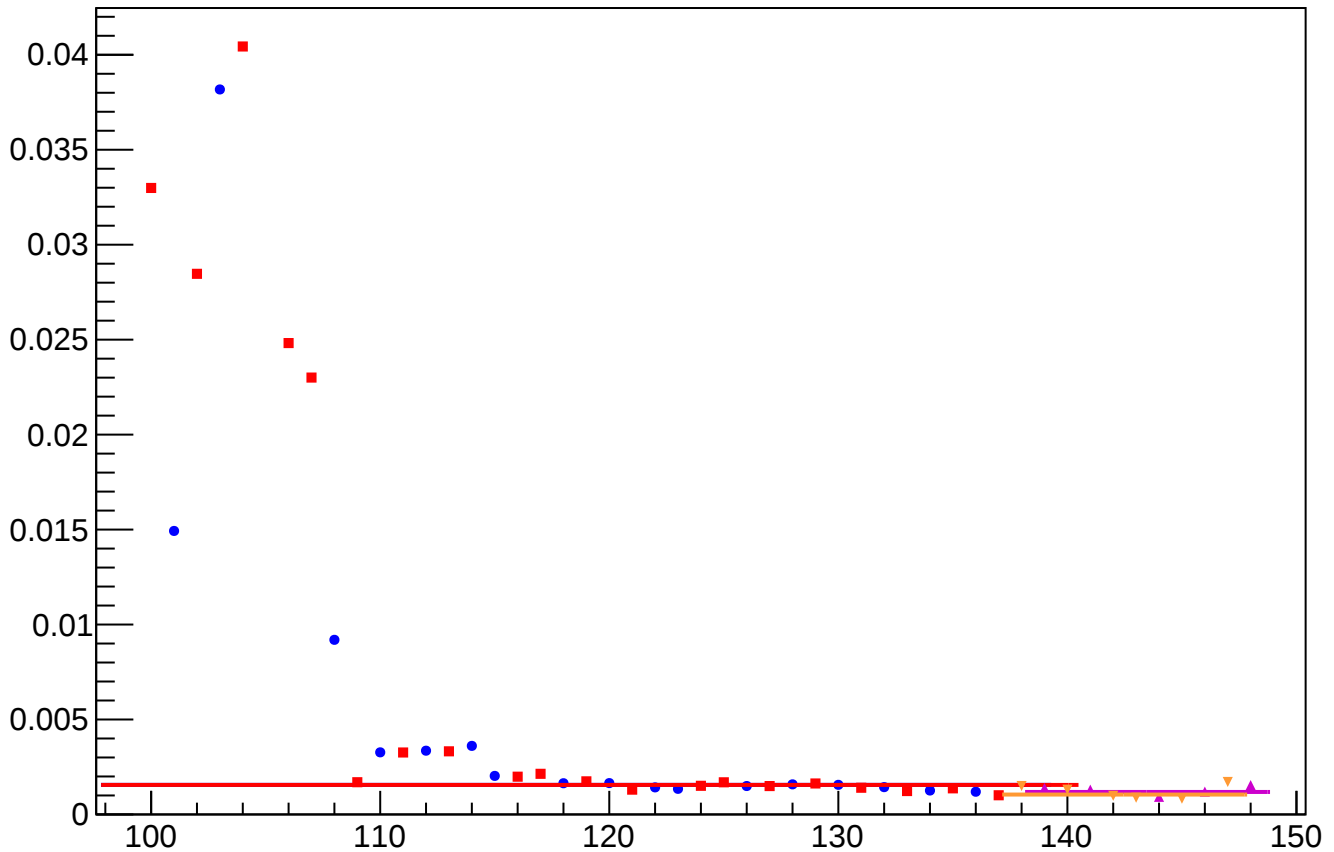
-0.122+/-0.000 χ^2/NDF : 3941810450.3/22

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

-0.120+/-0.000 χ^2/NDF : 2521694269.8/24

Left In: -0.123+/-0.000 χ^2/NDF : 2336332.7/4

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:544445.6/5

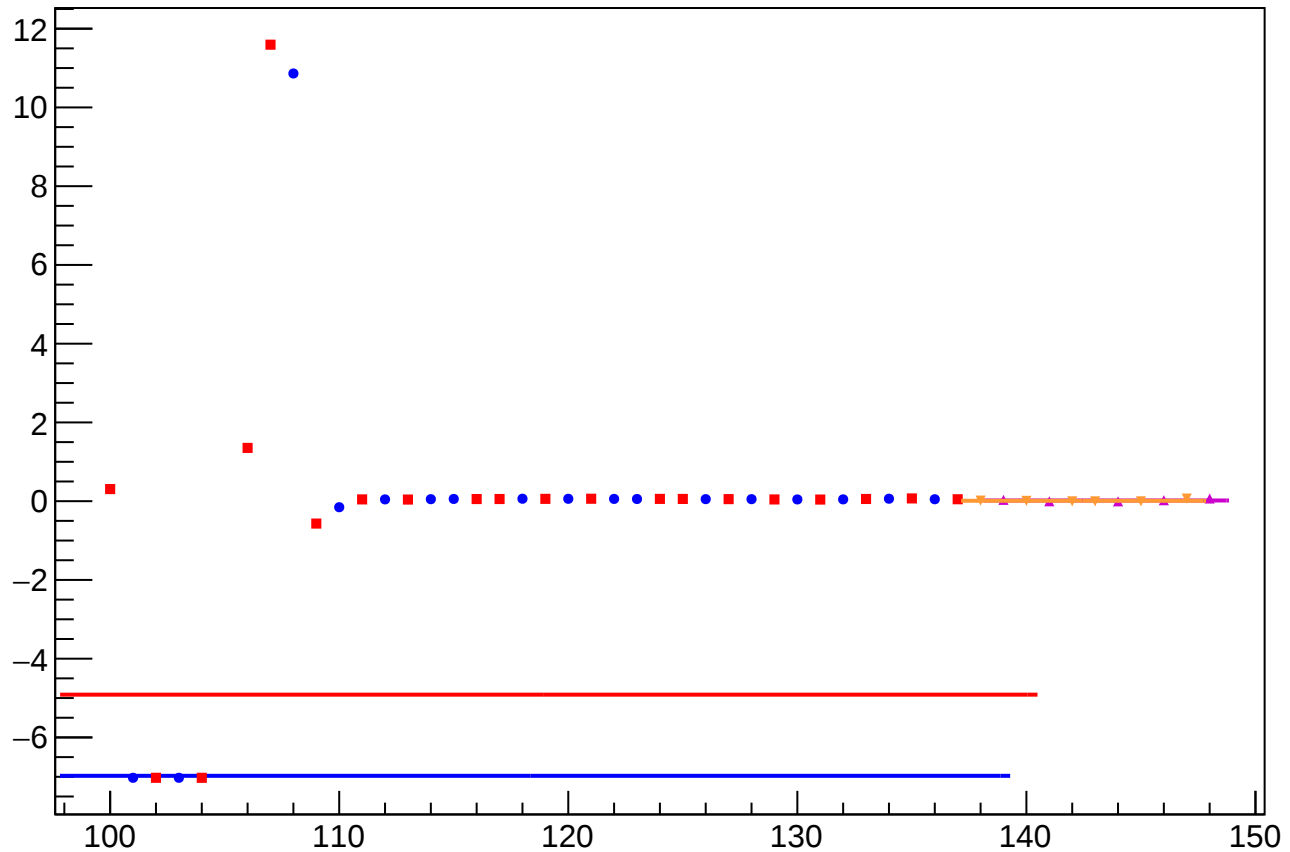
0.001 $\pm$ 0.000 χ^2 /NDF: 4061934.3/22

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3545212.9/19

0.001 $\pm$ 0.000 χ^2 /NDF: 4093522.4/24

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:250254.9/4

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.010+/-0.000 χ^2/NDF : 26400333.1/5

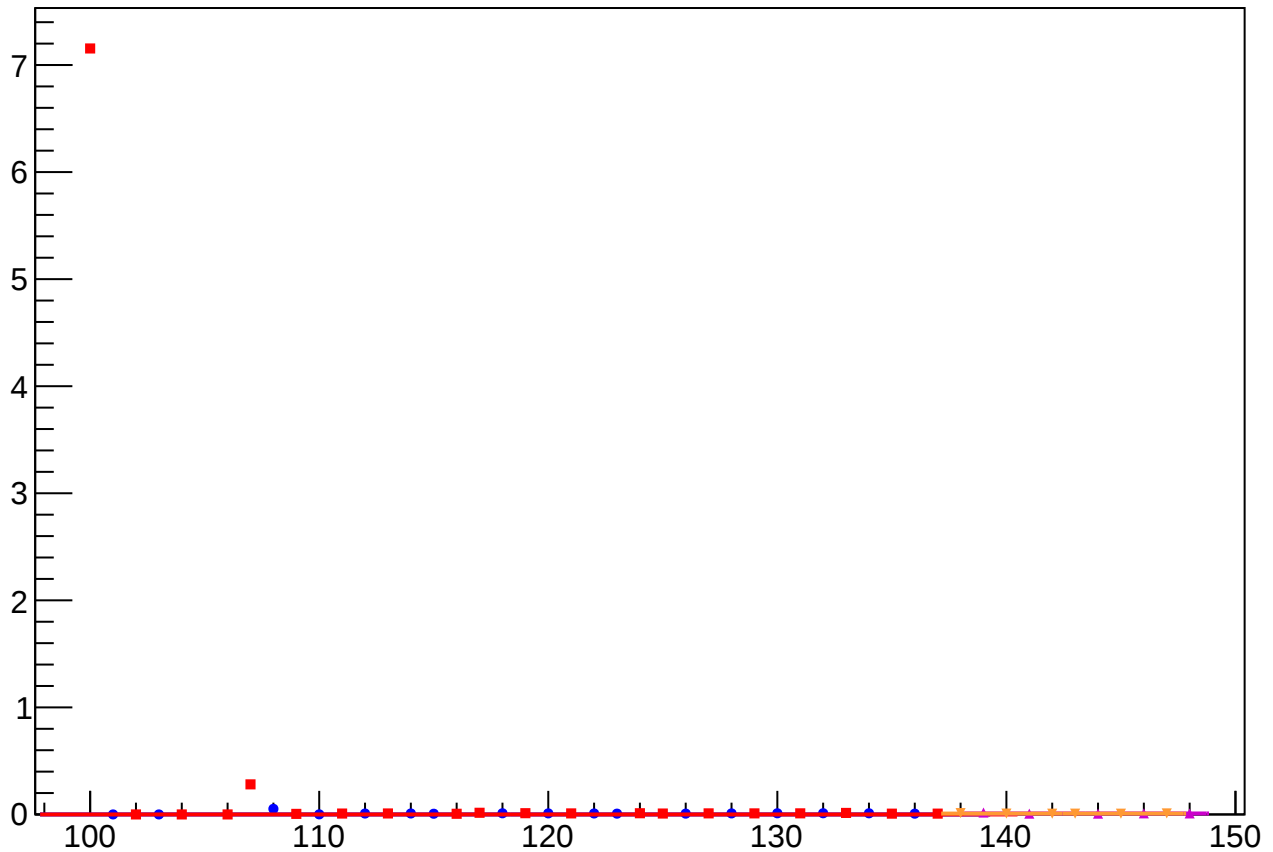
Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

Left In: 0.018+/-0.000 χ^2/NDF : 27935591.4/4

-6.963+/-0.000 χ^2/NDF : 10861808056378.4/22

-4.907+/-0.000 χ^2/NDF : 366241526309320.6/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.008+/-0.000 χ^2/NDF :229606.3/5

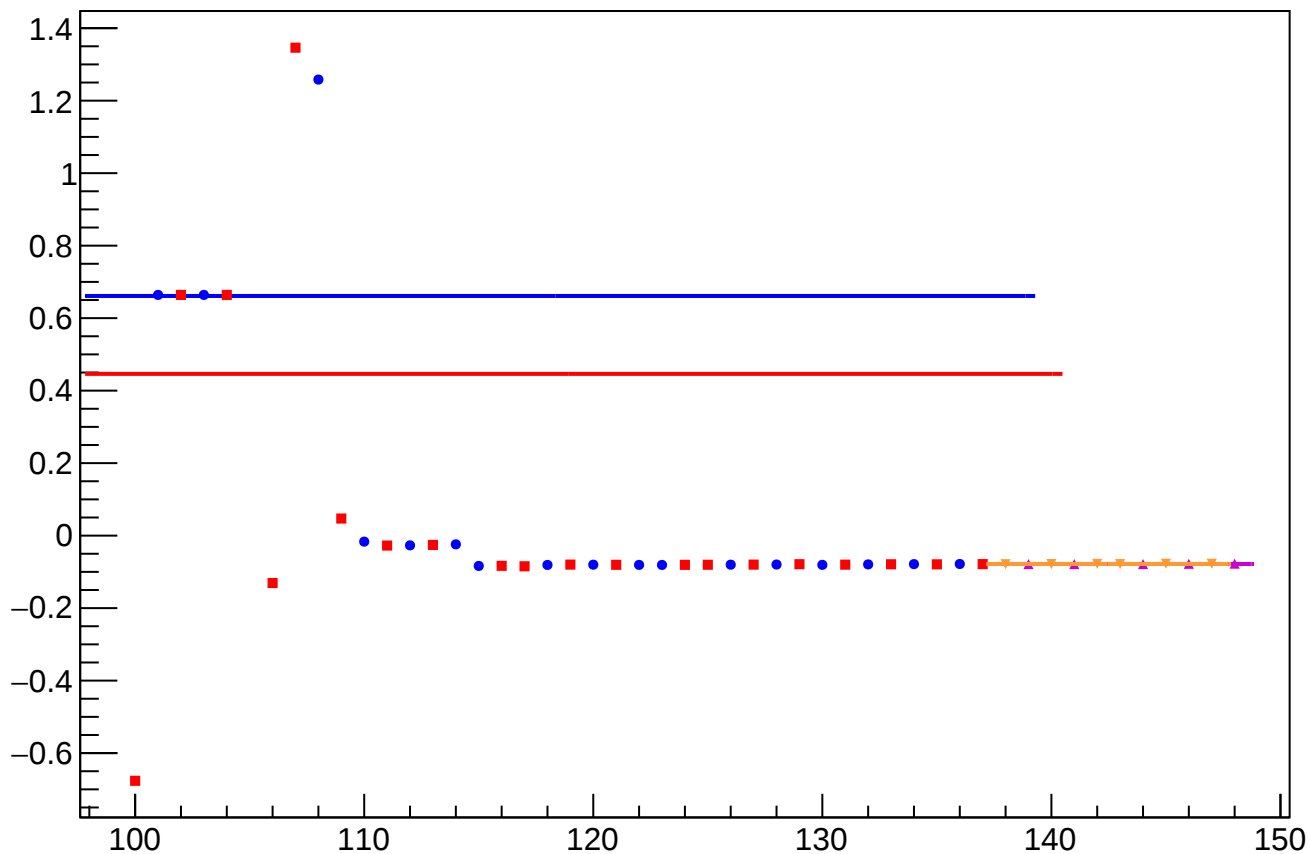
Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

Left In: 0.009+/-0.000 χ^2/NDF :464936.3/4

0.000+/-0.000 χ^2/NDF : 14130875.2/22

0.000+/-0.000 χ^2/NDF : 15083747.8/24

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.078+/-0.000 χ^2/NDF : 2373410.3/5

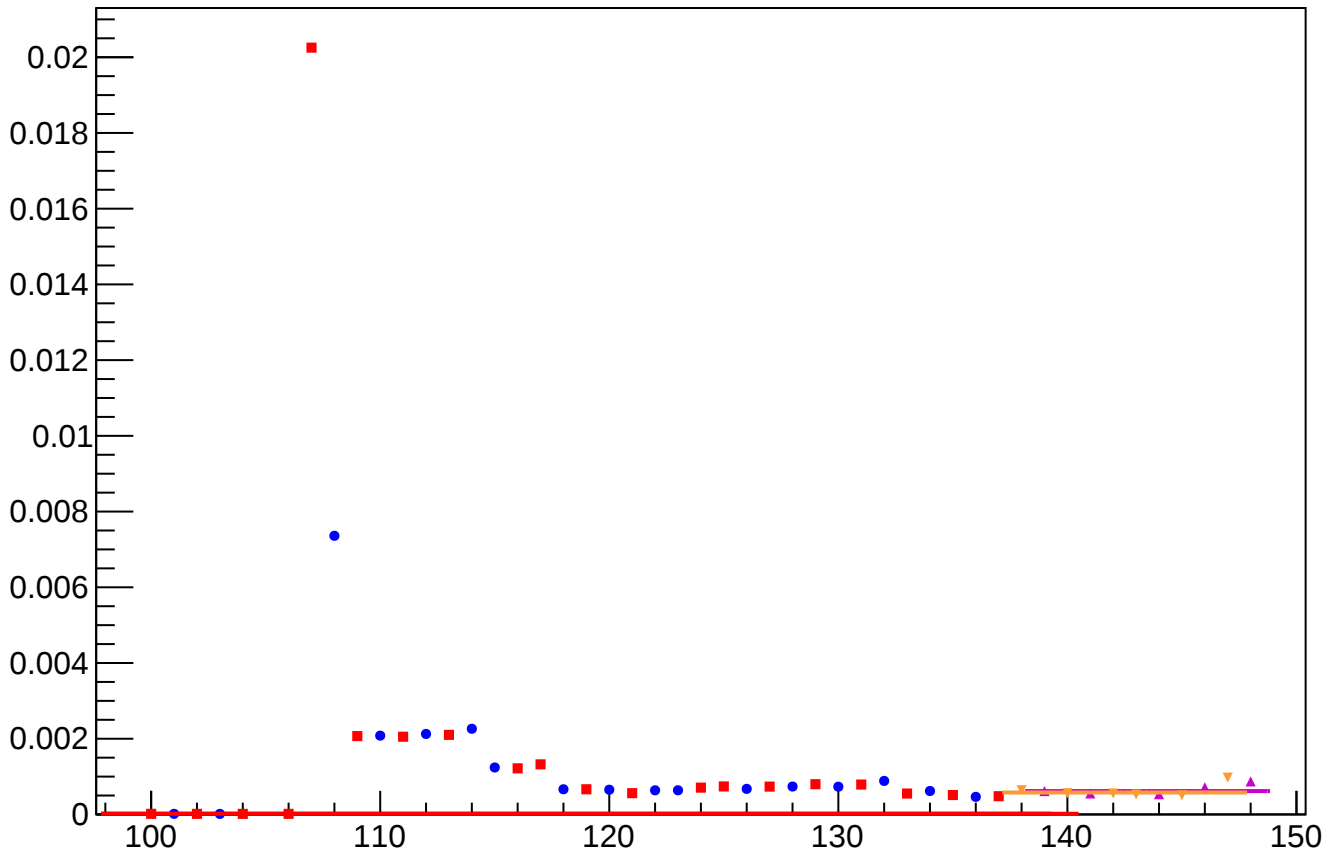
Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

Left In: -0.078+/-0.000 χ^2/NDF : 1448107.0/4

0.658+/-0.000 χ^2/NDF : 11749523533027.6/22

0.444+/-0.000 χ^2/NDF : 408103801608894.1/24

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF :303517.8/5

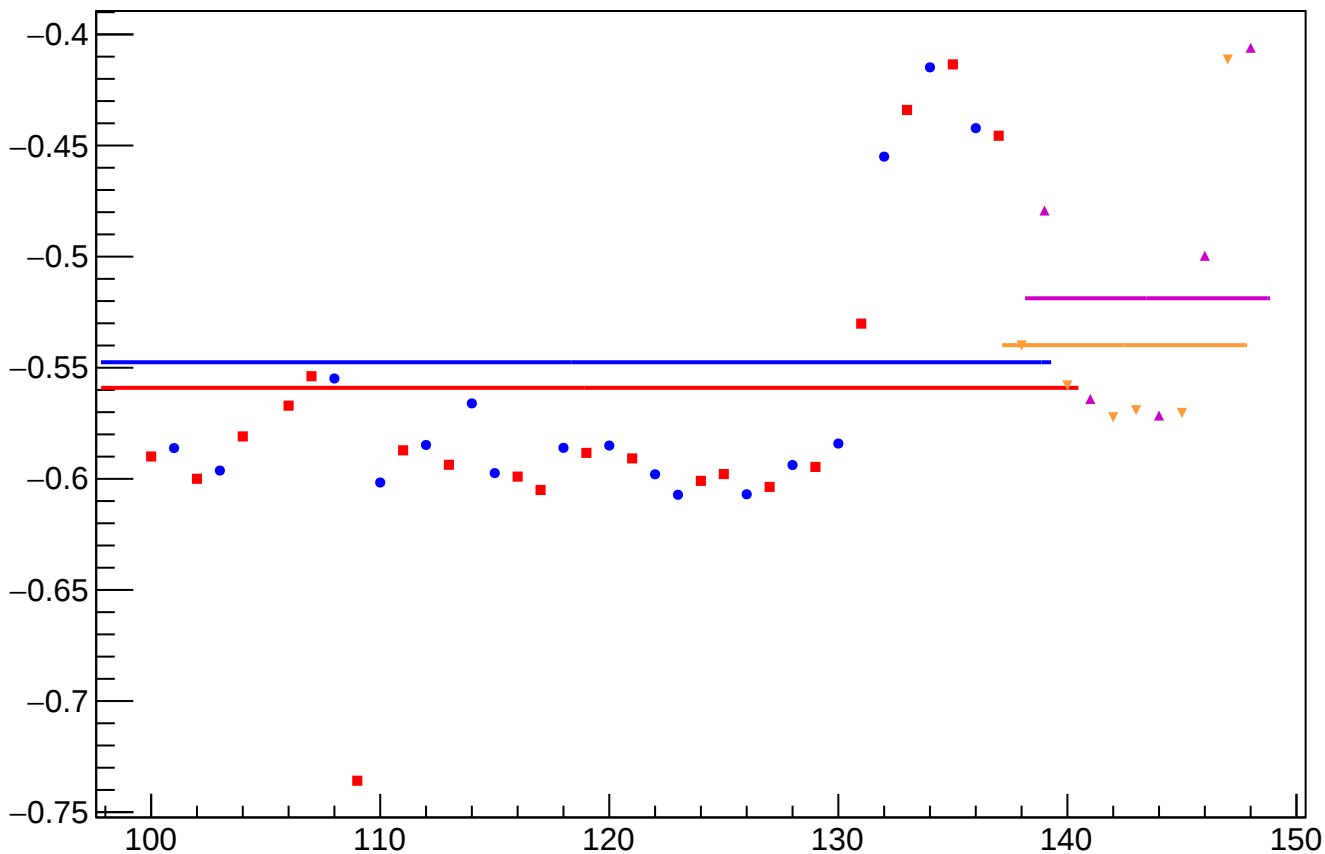
Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

Left In: 0.001+/-0.000 χ^2/NDF :218963.9/4

0.000+/-0.000 χ^2/NDF : 17275925.4/22

0.000+/-0.000 χ^2/NDF : 16774807.3/24

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.540+/-0.000 χ^2/NDF : 28153071.7/5

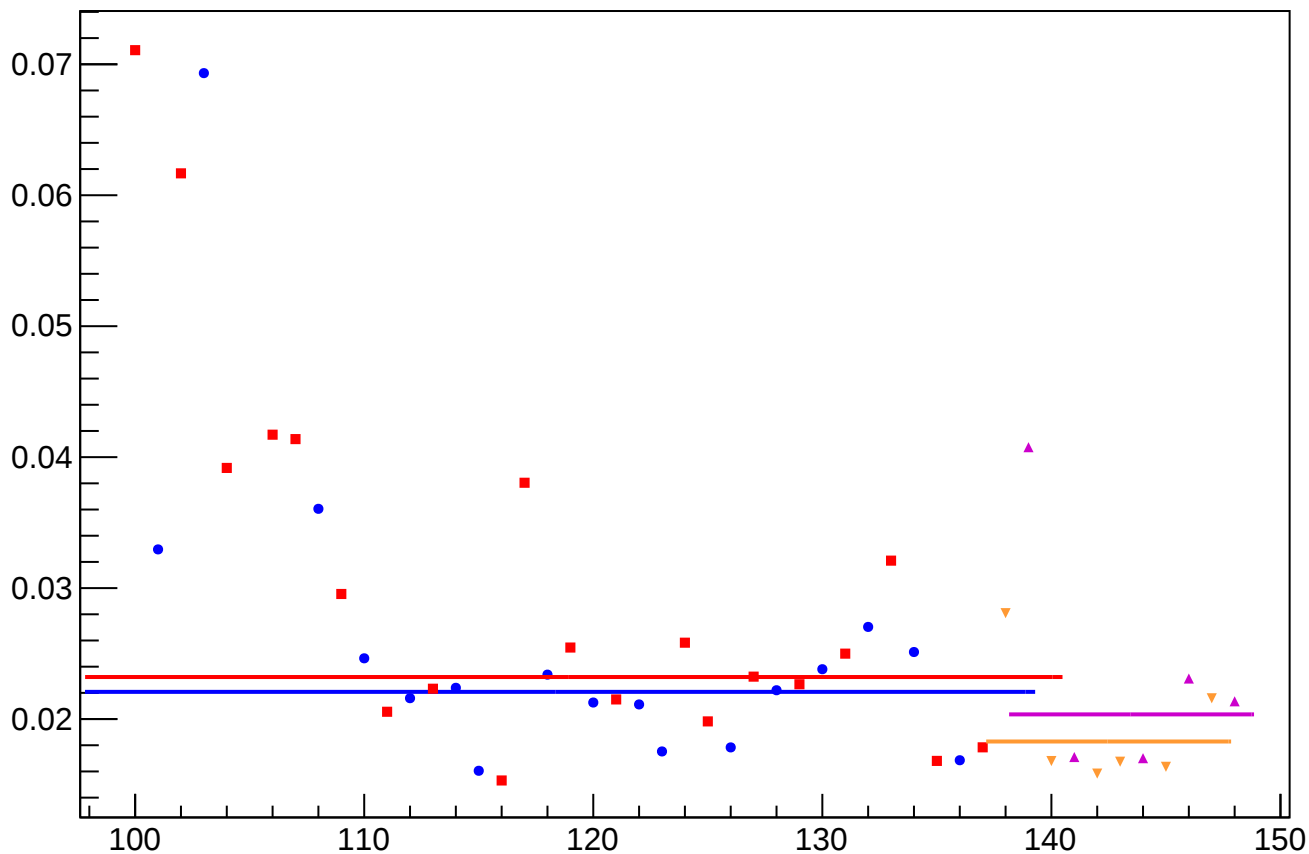
Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

Left In: -0.519+/-0.000 χ^2/NDF : 29501186.0/4

-0.544+/-0.000 χ^2/NDF : 76980264.1/22

-0.542+/-0.000 χ^2/NDF : 101684427.6/24

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.018+/-0.000 χ^2/NDF : 218777.2/5

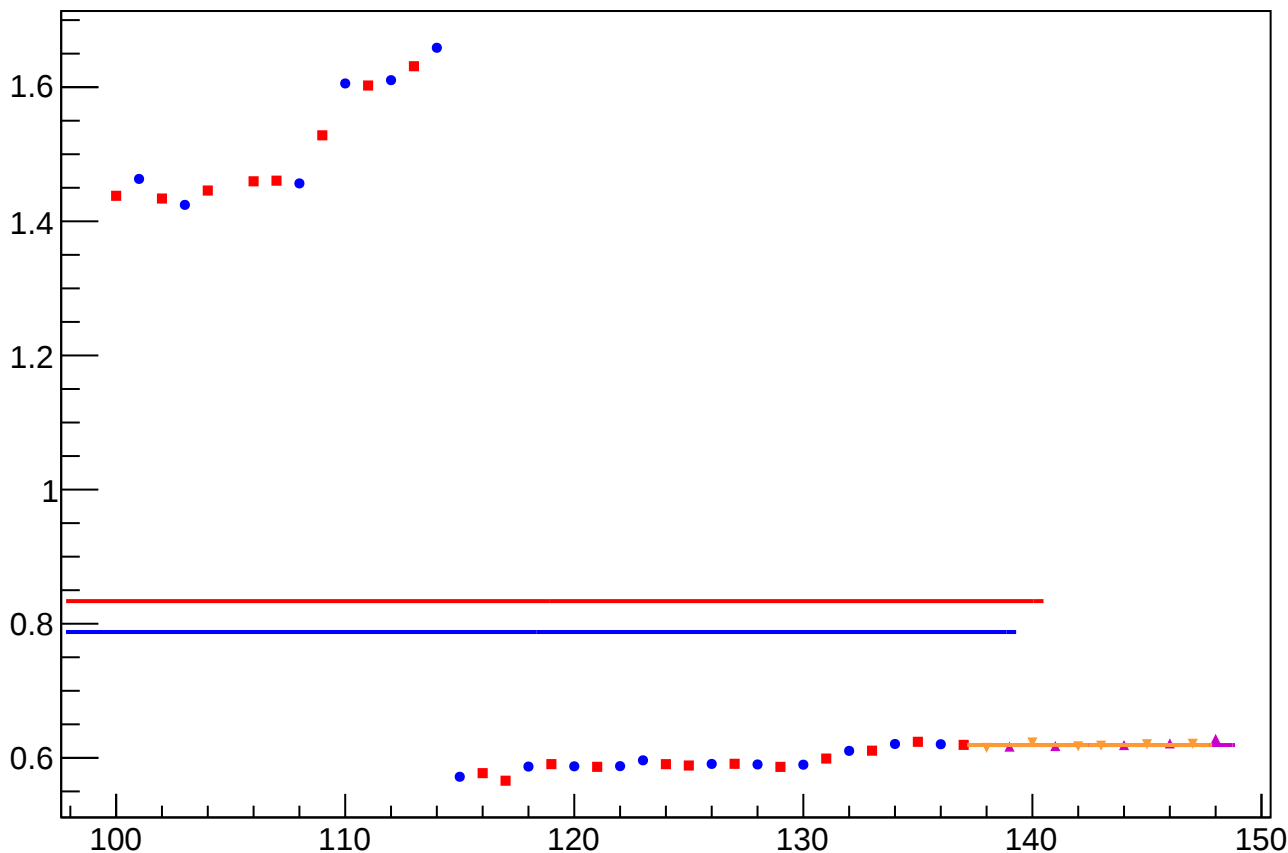
Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

Left In: 0.020+/-0.000 χ^2/NDF : 472475.8/4

0.020+/-0.000 χ^2/NDF : 1310014.6/22

0.022+/-0.000 χ^2/NDF : 1709580.9/24

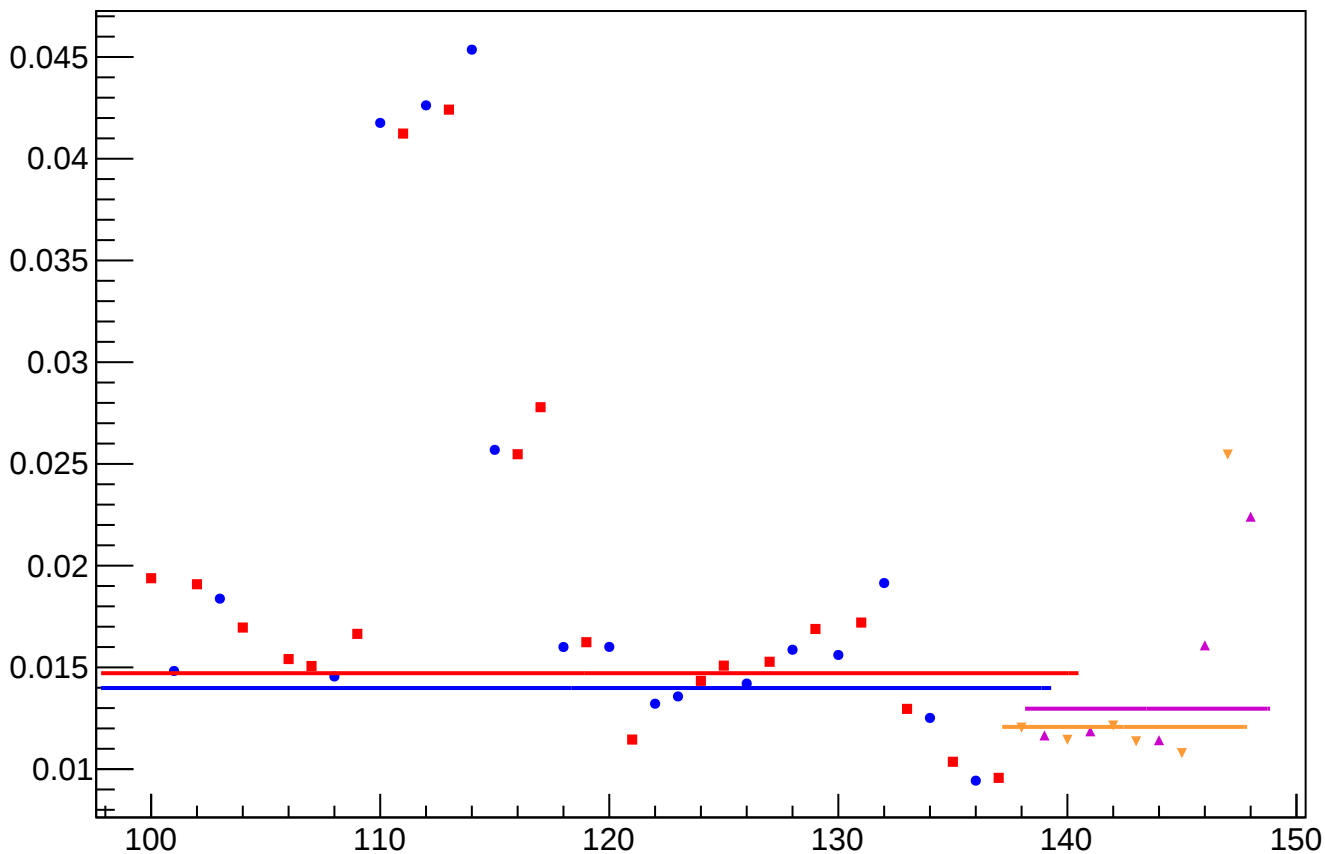
yield_bpm4aY_mean vs Slug



0.708 ± 0.000 $\chi^2/\text{NDF}: 3968198326.8/22$

0.740 ± 0.000 $\chi^2/\text{NDF}: 4718045346.2/24$

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012+/-0.000 χ^2/NDF : 441476.1/5

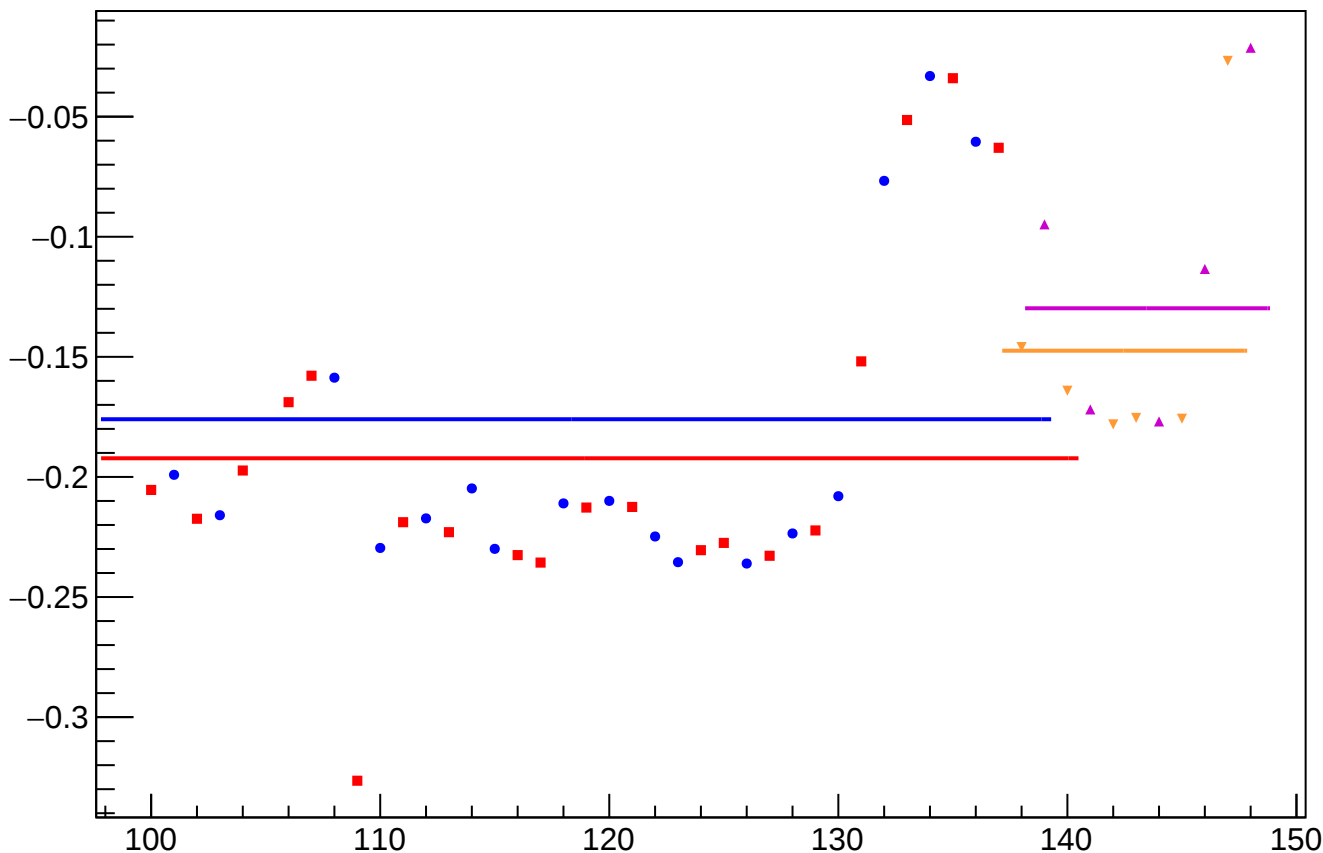
0.013+/-0.000 χ^2/NDF : 1939463.3/22

Right Out: 0.015+/-0.000 χ^2/NDF : 1275472.3/19

0.014+/-0.000 χ^2/NDF : 1736368.9/24

Left In: 0.013+/-0.000 χ^2/NDF : 386568.9/4

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.147+/-0.000 χ^2/NDF : 27529170.7/5

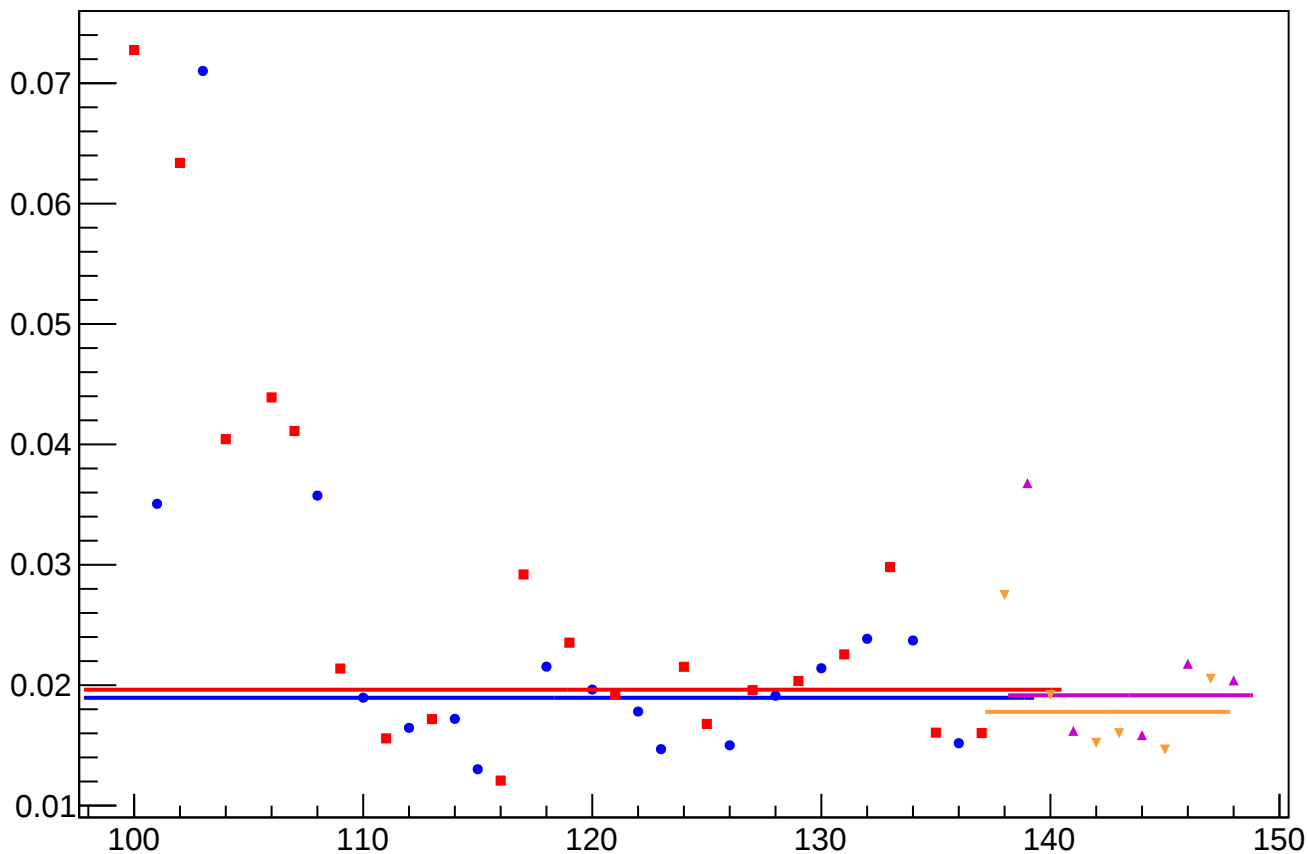
Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

Left In: -0.130+/-0.000 χ^2/NDF : 29217585.7/4

-0.164+/-0.000 χ^2/NDF : 102238344.0/22

-0.169+/-0.000 χ^2/NDF : 132545752.8/24

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.018+/-0.000 χ^2/NDF : 260420.4/5

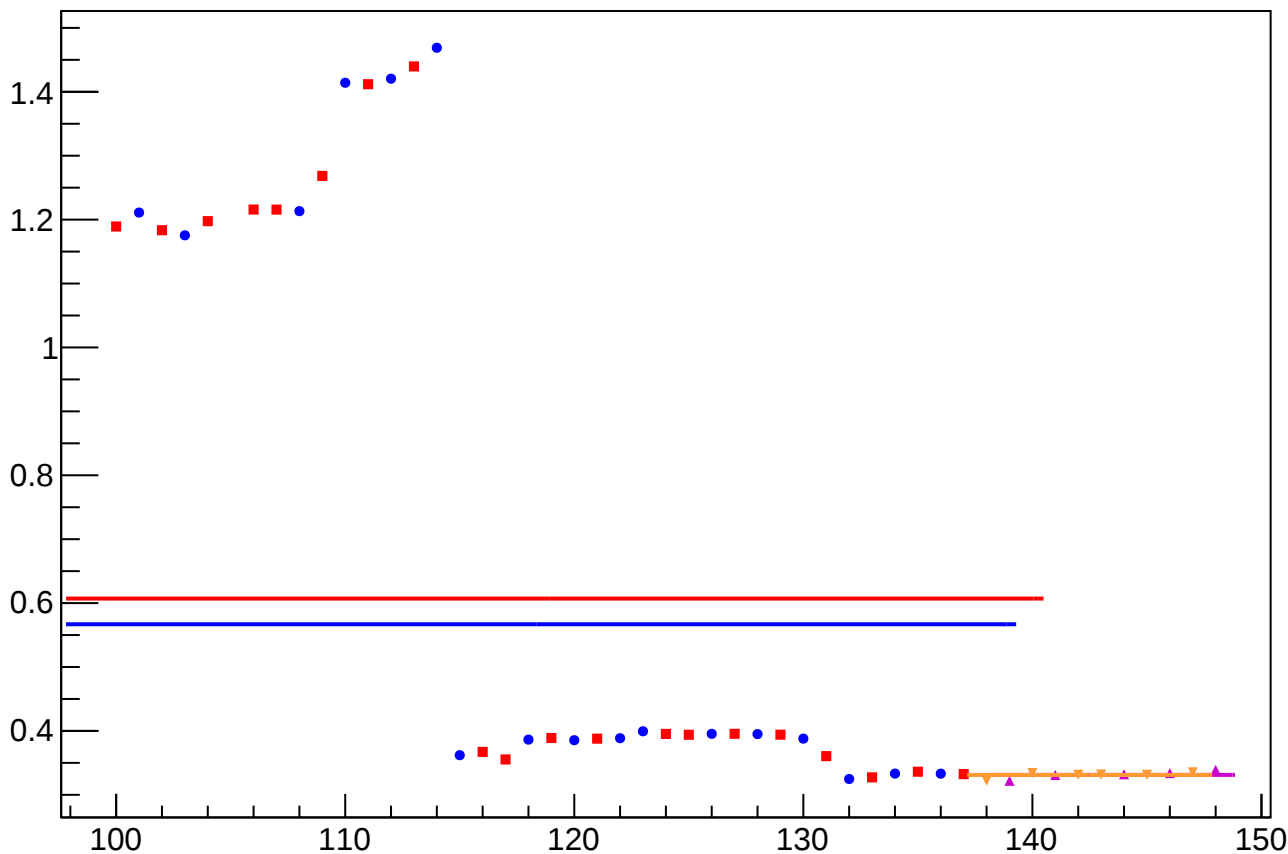
Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

Left In: 0.019+/-0.000 χ^2/NDF : 448097.4/4

0.018+/-0.000 χ^2/NDF : 1479061.3/22

0.019+/-0.000 χ^2/NDF : 1914293.5/24

yield_bpm4eY_mean vs Slug



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.331+/-0.000 χ^2/NDF : 405165.8/5

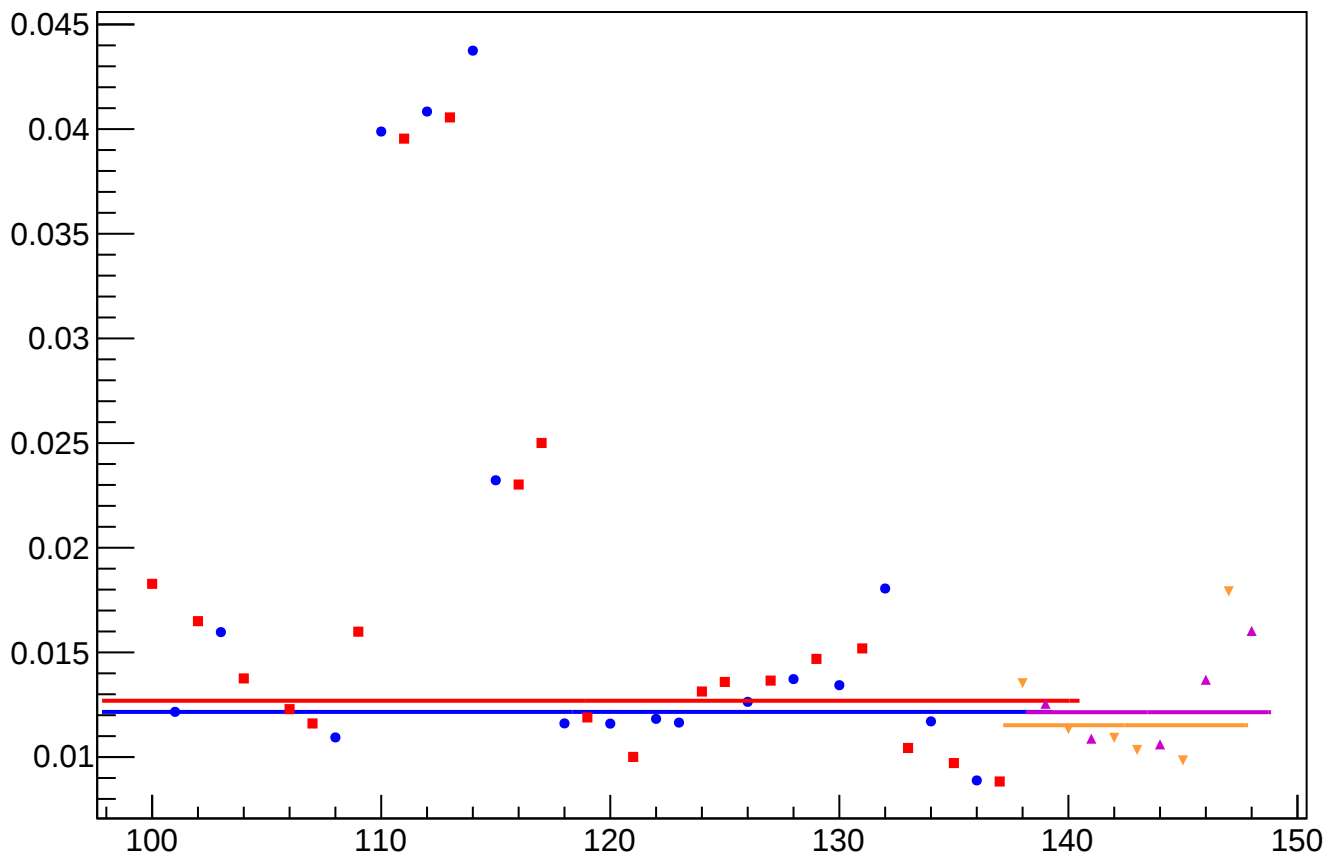
Right Out: 0.607+/-0.000 χ^2/NDF : 5509130775.3/19

Left In: 0.331+/-0.000 χ^2/NDF : 609117.3/4

0.465+/-0.000 χ^2/NDF : 5927495597.5/22

0.494+/-0.000 χ^2/NDF : 6654161138.9/24

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:283821.9/5

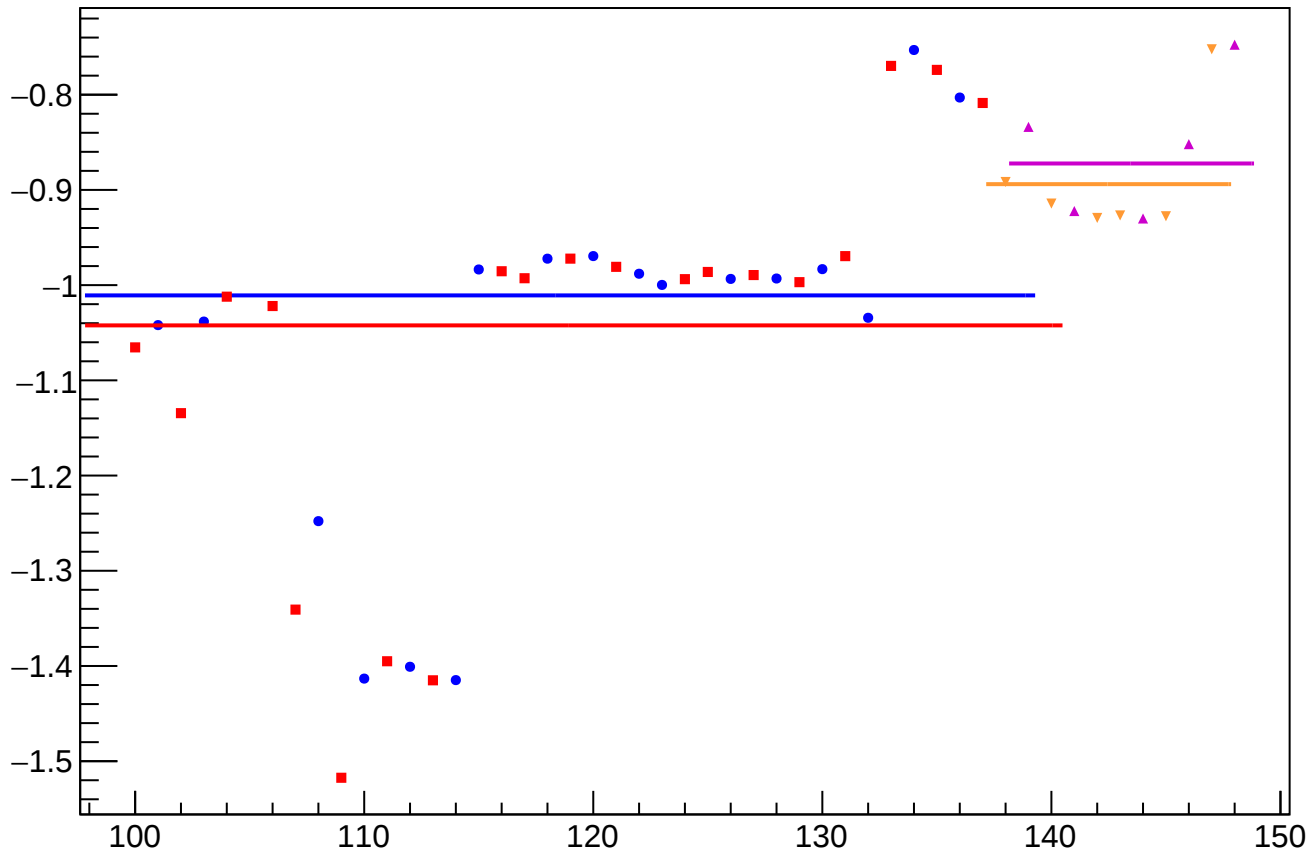
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:166363.2/4

0.012 $\pm$ 0.000 χ^2 /NDF: 1605065.2/22

0.012 $\pm$ 0.000 χ^2 /NDF: 1461271.4/24

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.894+/-0.000 χ^2/NDF : 35899996.6/5

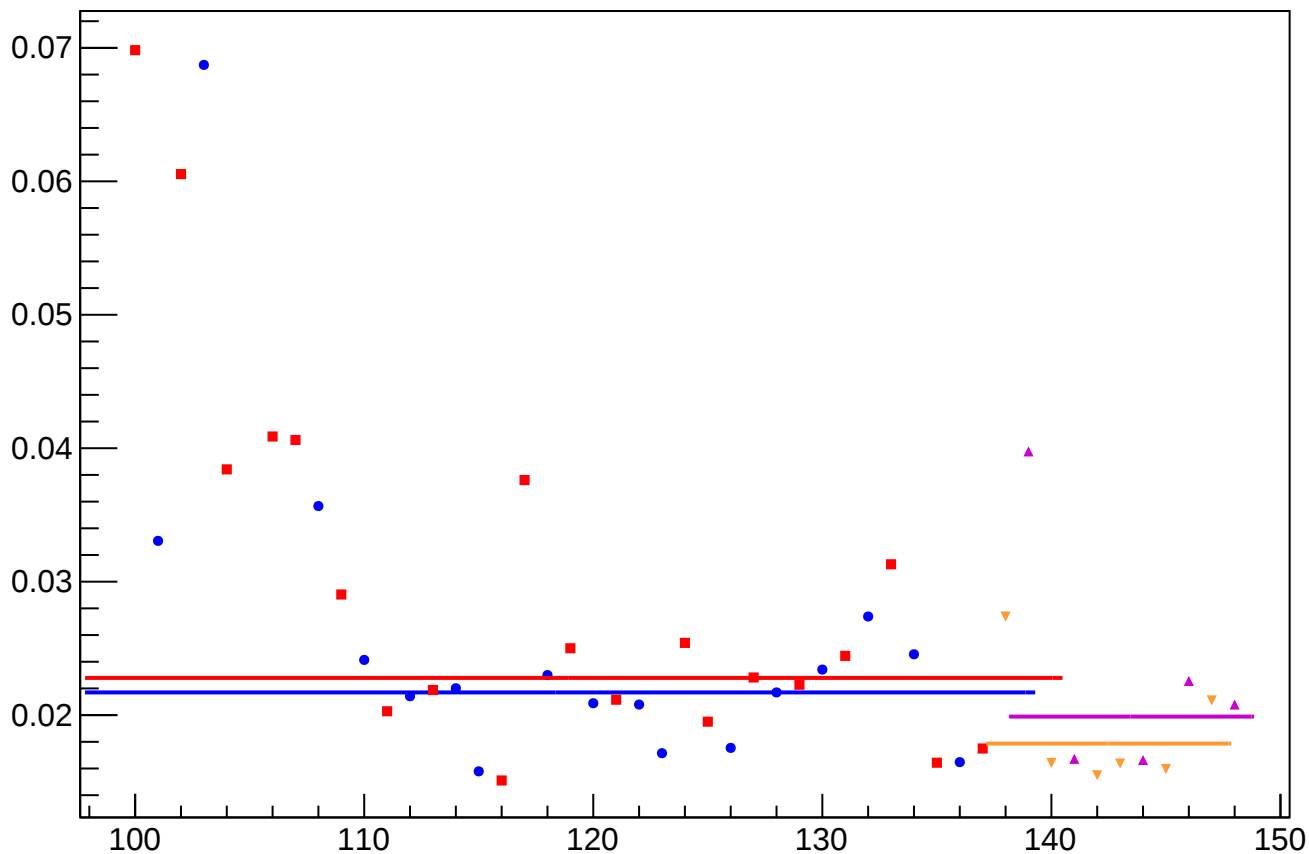
Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

Left In: -0.872+/-0.000 χ^2/NDF : 37538698.9/4

-0.957+/-0.000 χ^2/NDF : 490551148.8/22

-0.970+/-0.000 χ^2/NDF : 692667570.7/24

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.018+/-0.000 χ^2/NDF : 217768.8/5

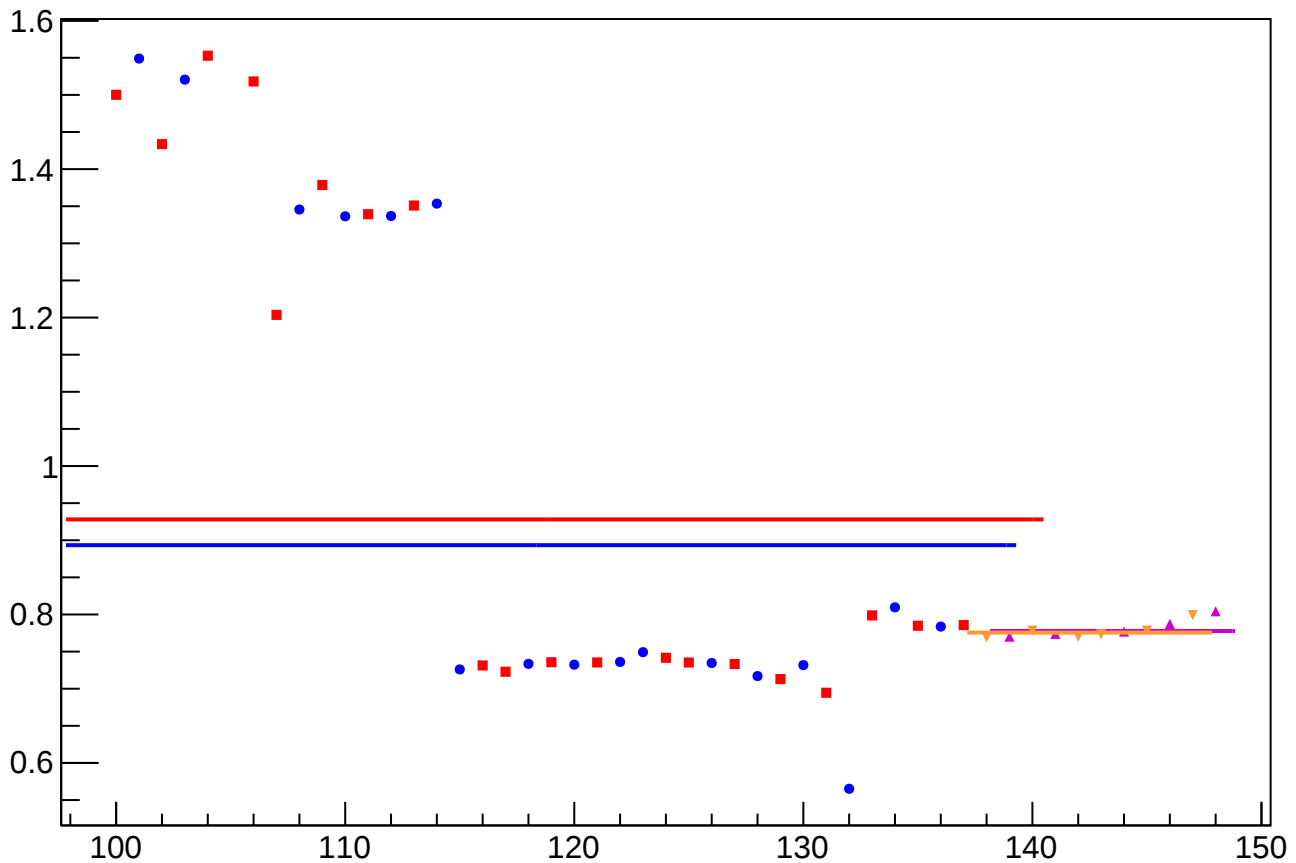
Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

Left In: 0.020+/-0.000 χ^2/NDF : 469981.3/4

0.020+/-0.000 χ^2/NDF : 1342330.3/22

0.022+/-0.000 χ^2/NDF : 1708210.3/24

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.776+/-0.000 χ^2/NDF :1050408.7/5

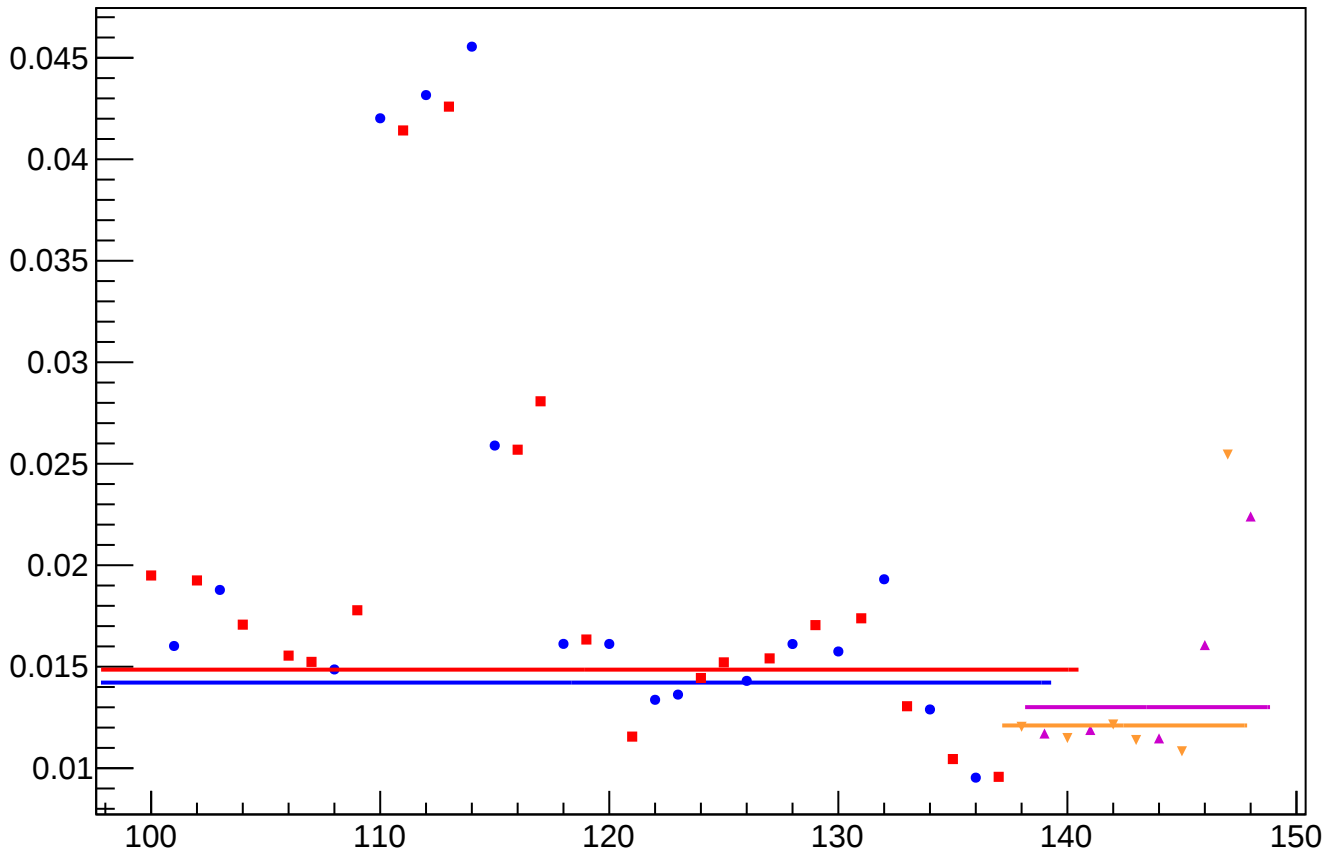
0.837+/-0.000 χ^2/NDF : 2594155808.7/22

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

0.862+/-0.000 χ^2/NDF : 2711696697.0/24

Left In: 0.778+/-0.000 χ^2/NDF :1714231.9/4

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012+/-0.000 χ^2/NDF : 438071.2/5

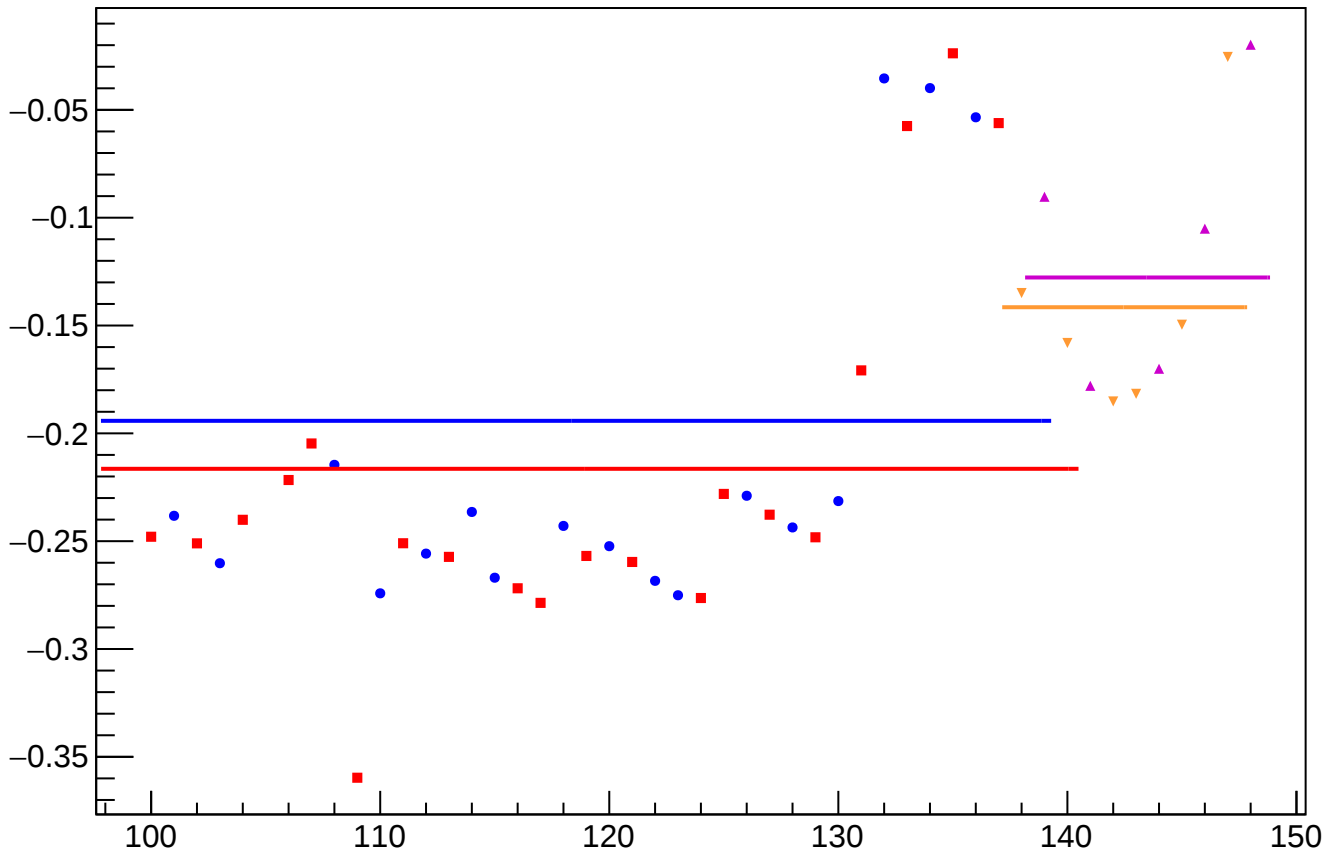
Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

Left In: 0.013+/-0.000 χ^2/NDF : 381651.6/4

0.013+/-0.000 χ^2/NDF : 1966644.6/22

0.014+/-0.000 χ^2/NDF : 1750414.8/24

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.142+/-0.000 χ^2/NDF : 26476497.7/5

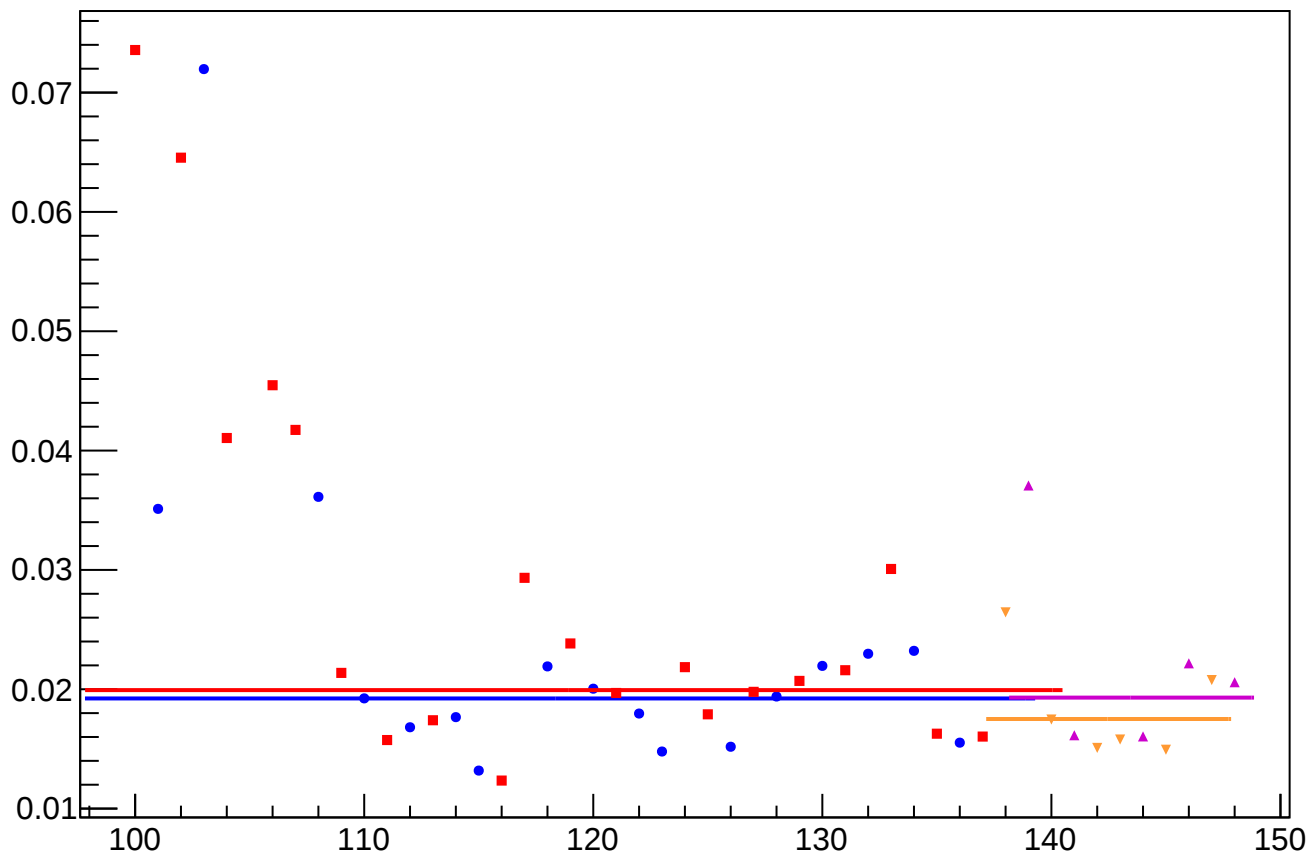
Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

Left In: -0.128+/-0.000 χ^2/NDF : 29612334.5/4

-0.172+/-0.000 χ^2/NDF : 150528392.9/22

-0.183+/-0.000 χ^2/NDF : 180287318.3/24

yield_bpm4ecX_rms vs Slug



Right In: 0.019 ± 0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.018 ± 0.000 χ^2/NDF : 227953.1/5

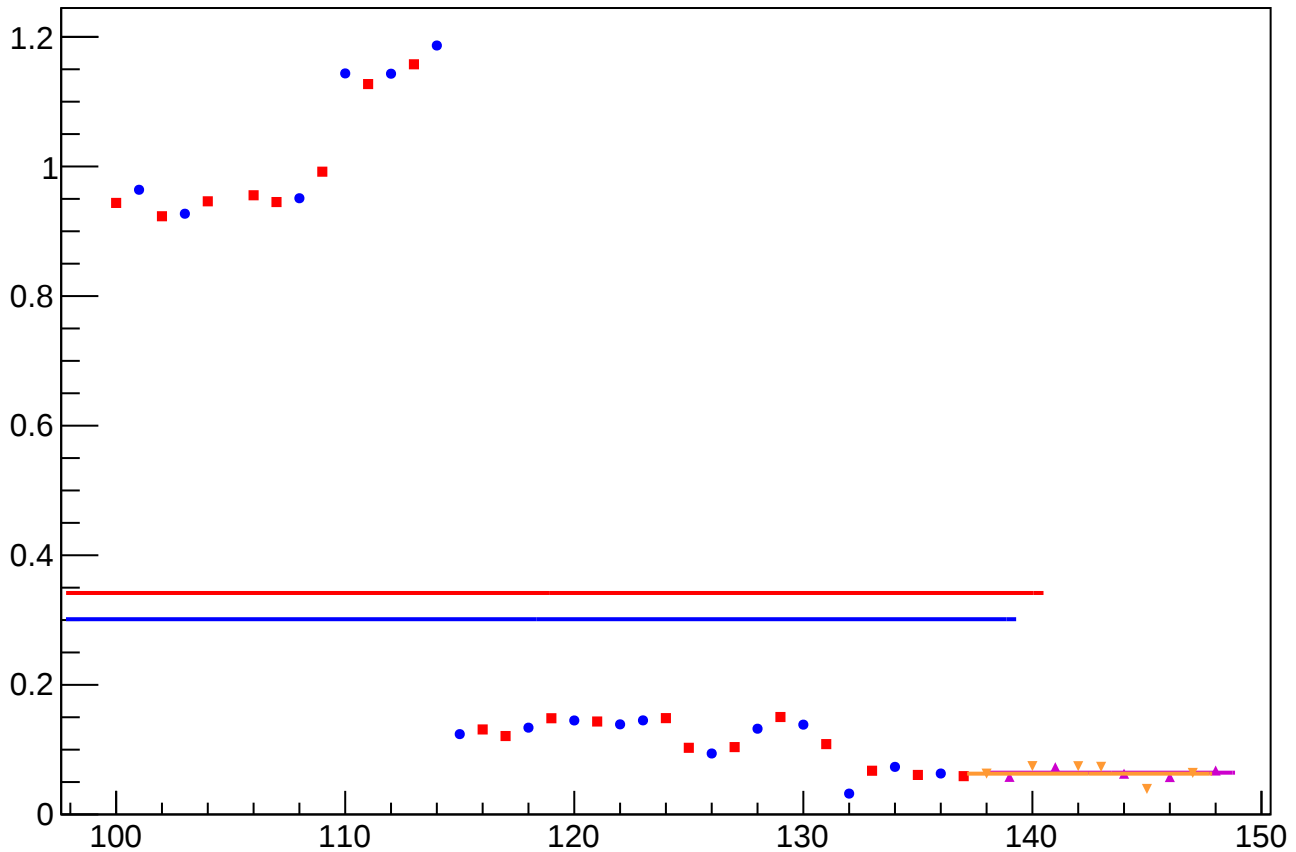
Right Out: 0.020 ± 0.000 χ^2/NDF : 1452730.4/19

Left In: 0.019 ± 0.000 χ^2/NDF : 454341.3/4

0.019 ± 0.000 χ^2/NDF : 1435918.0/22

0.020 ± 0.000 χ^2/NDF : 1911035.0/24

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.063+/-0.000 χ^2/NDF : 6299520.4/5

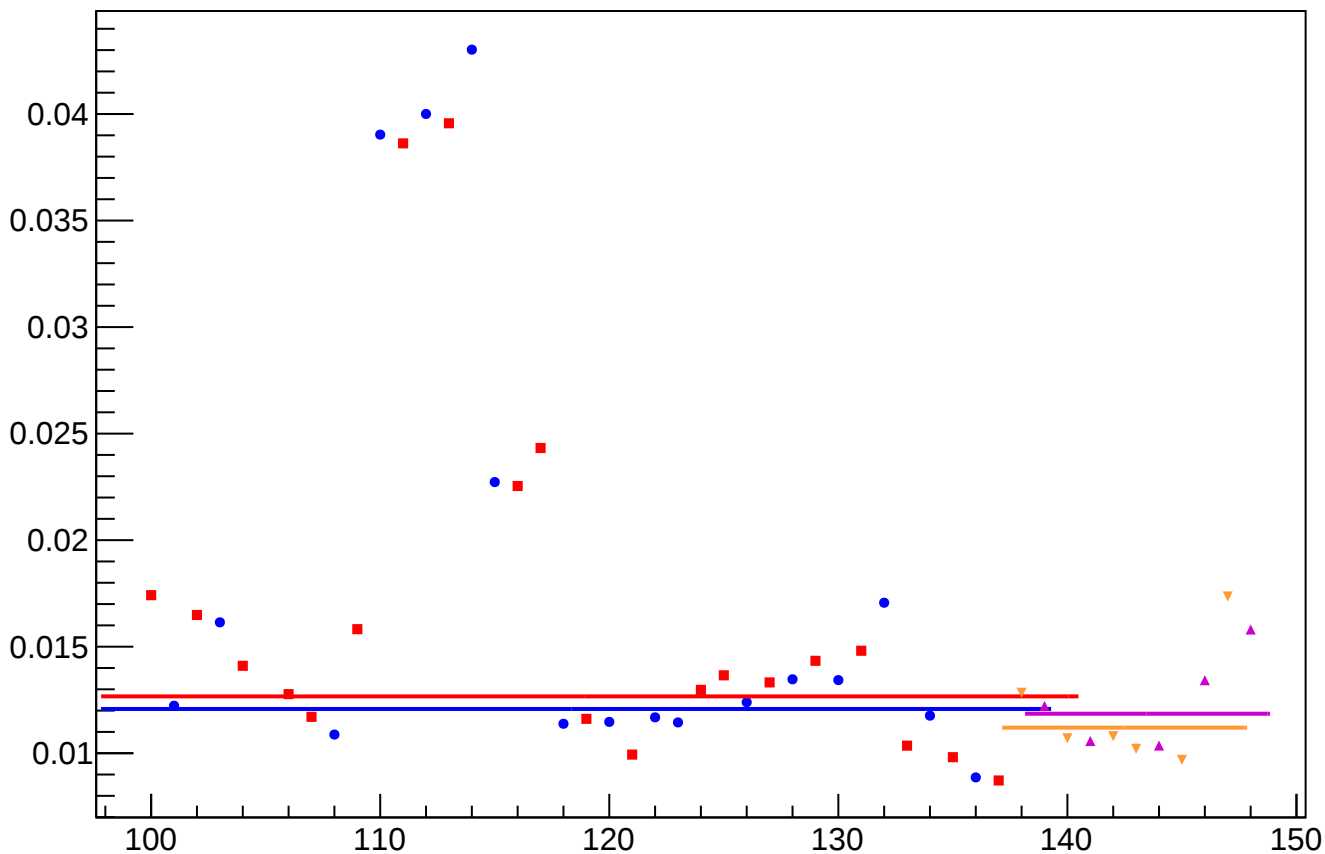
0.196+/-0.000 χ^2/NDF : 6127198409.4/22

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

0.225+/-0.000 χ^2/NDF : 6637774402.9/24

Left In: 0.064+/-0.000 χ^2/NDF : 952602.1/4

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011+/-0.000 χ^2/NDF :263242.4/5

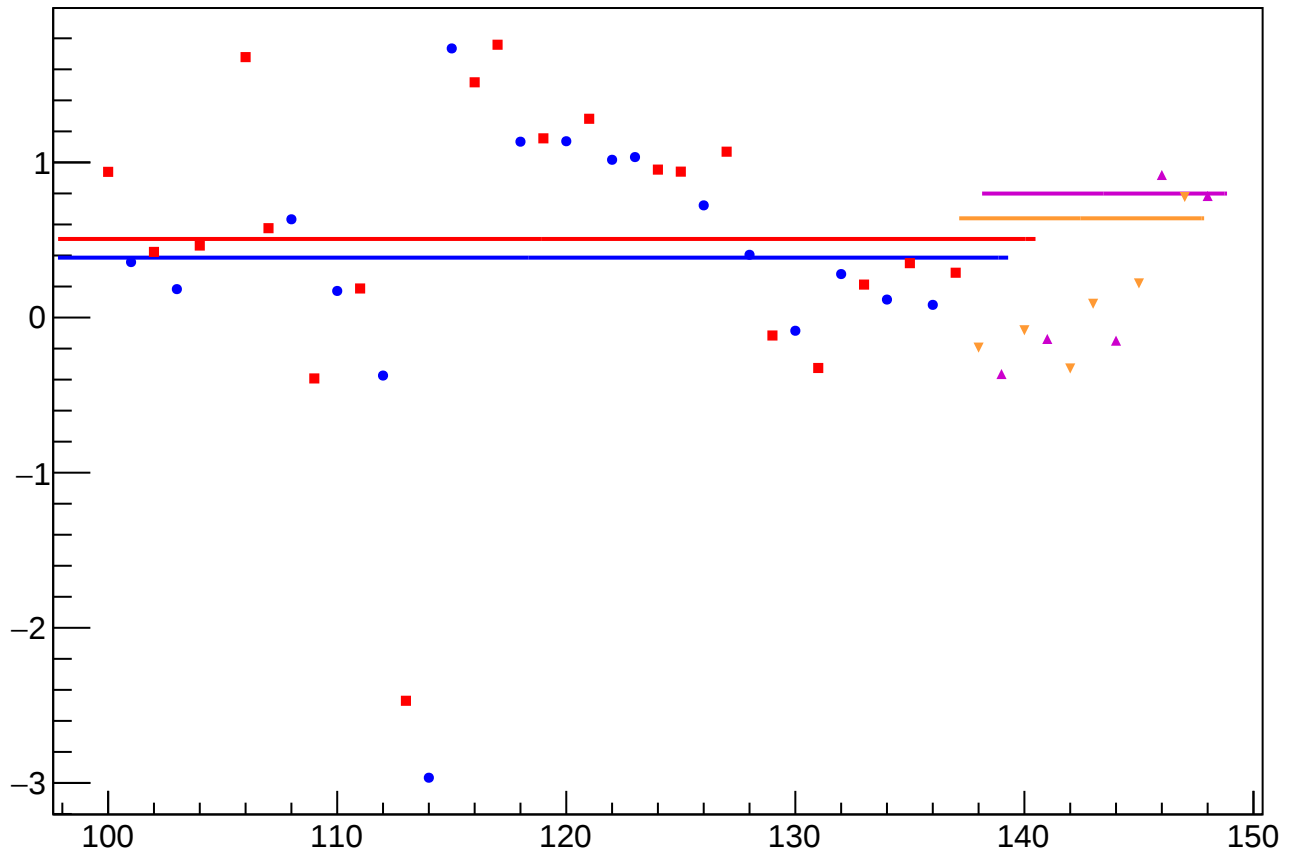
Right Out: 0.013+/-0.000 χ^2/NDF : 1253755.7/19

Left In: 0.012+/-0.000 χ^2/NDF :175339.2/4

0.012+/-0.000 χ^2/NDF : 1569703.9/22

0.012+/-0.000 χ^2/NDF : 1449586.6/24

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

0.542+/-0.000 χ^2/NDF : 588711075.5/22

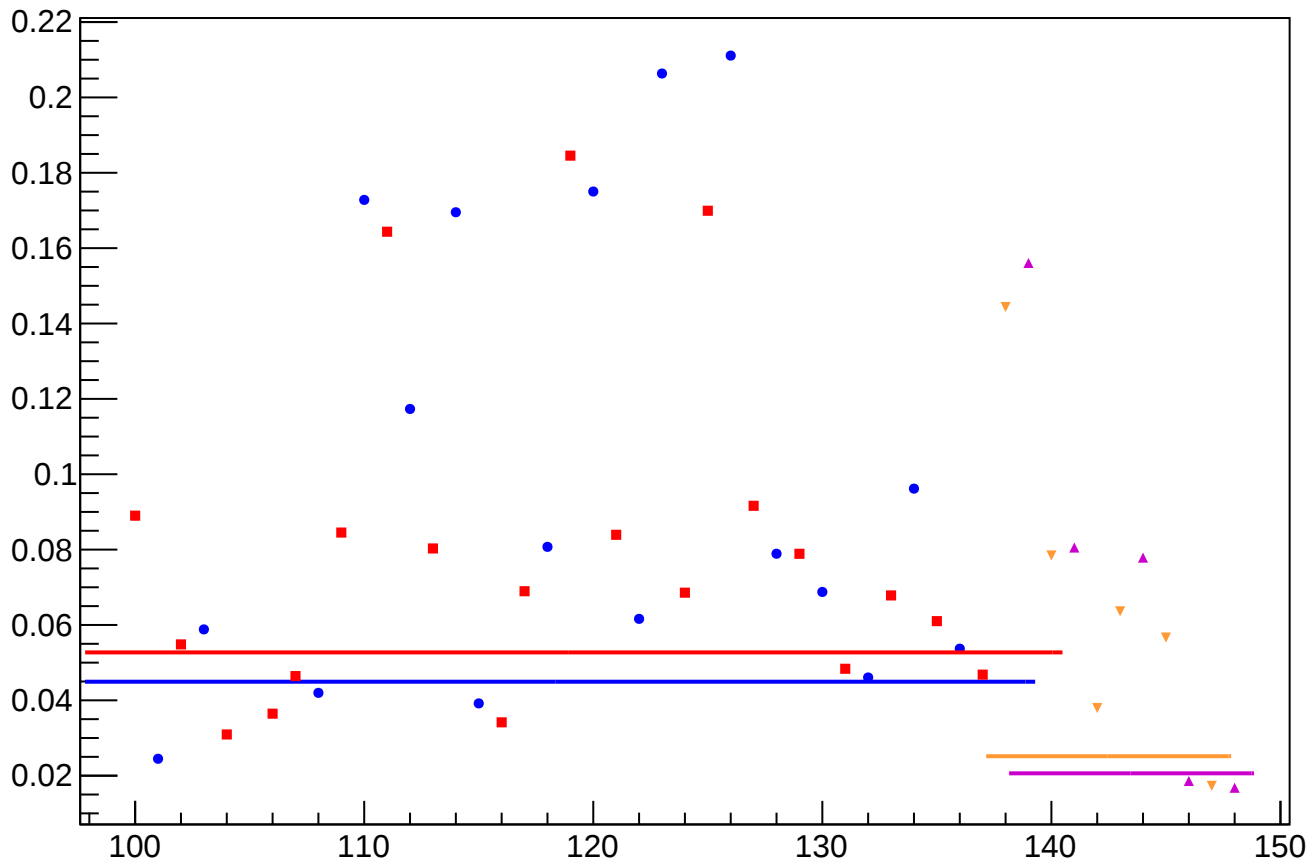
Left Out: 0.640+/-0.000 χ^2/NDF : 273341067.8/5

Right Out: 0.507+/-0.000 χ^2/NDF : 995373603.6/19

0.726+/-0.000 χ^2/NDF : 1296866313.0/24

Left In: 0.799+/-0.000 χ^2/NDF : 205652230.7/4

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.025+/-0.000 χ^2/NDF :2249631.7/5

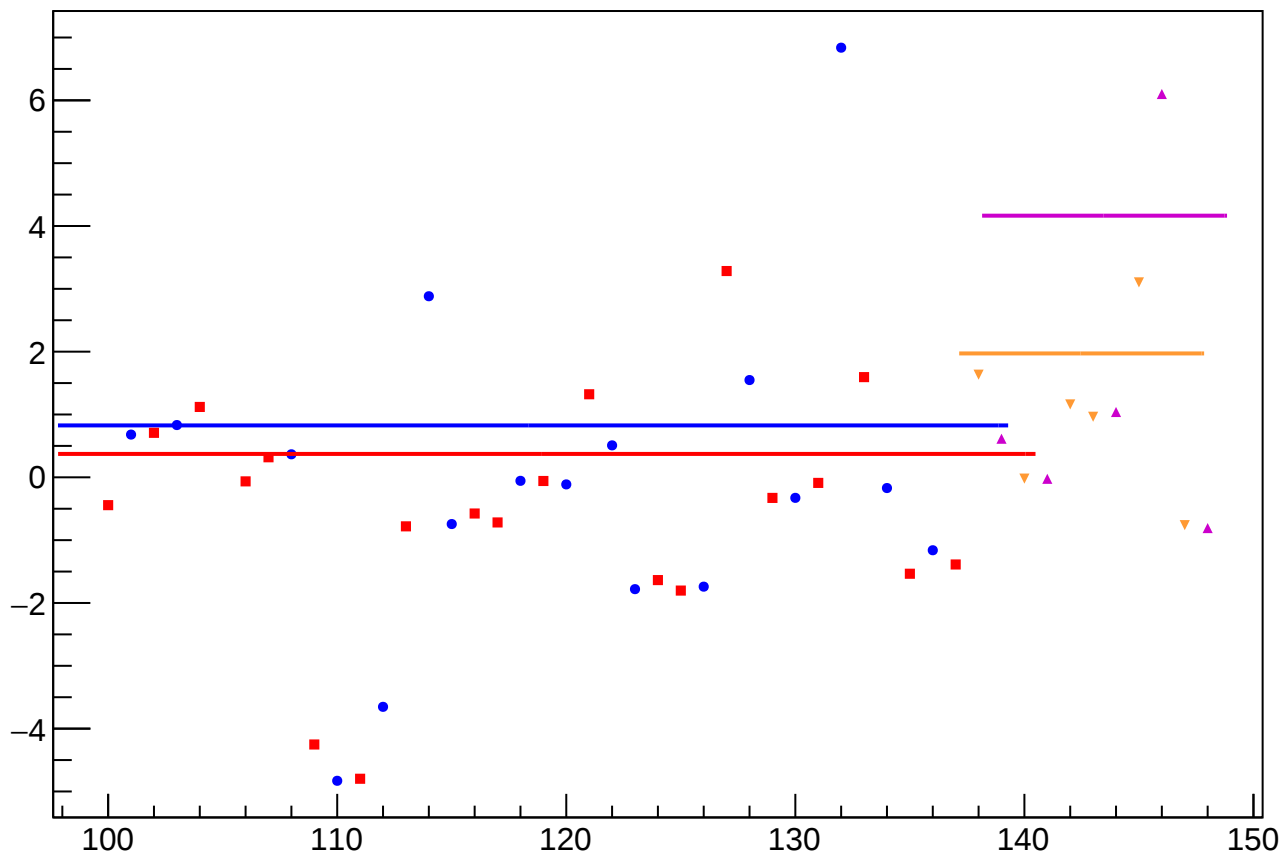
Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

Left In: 0.021+/-0.000 χ^2/NDF :2146284.4/4

0.033+/-0.000 χ^2/NDF : 5877333.3/22

0.029+/-0.000 χ^2/NDF : 6646837.5/24

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: 1.972+/-0.000 χ^2/NDF : 11276395532.5/5

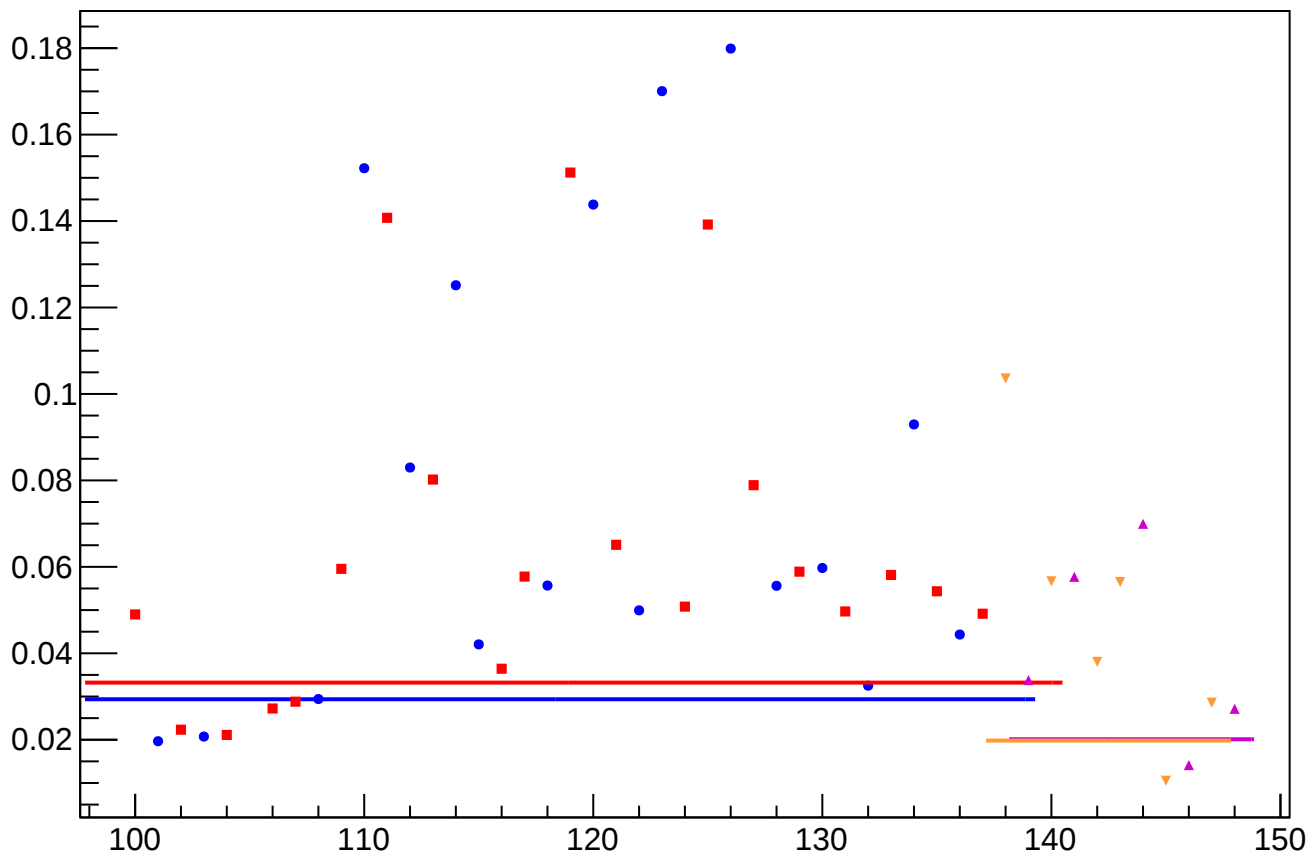
Right Out: 0.372+/-0.000 χ^2/NDF : 4960201861.0/19

Left In: 4.164+/-0.000 χ^2/NDF : 44224955479.1/4

1.414+/-0.000 χ^2/NDF : 24868637617.5/22

2.587+/-0.000 χ^2/NDF : 78613951094.7/24

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.020+/-0.000 χ^2/NDF :2243915.3/5

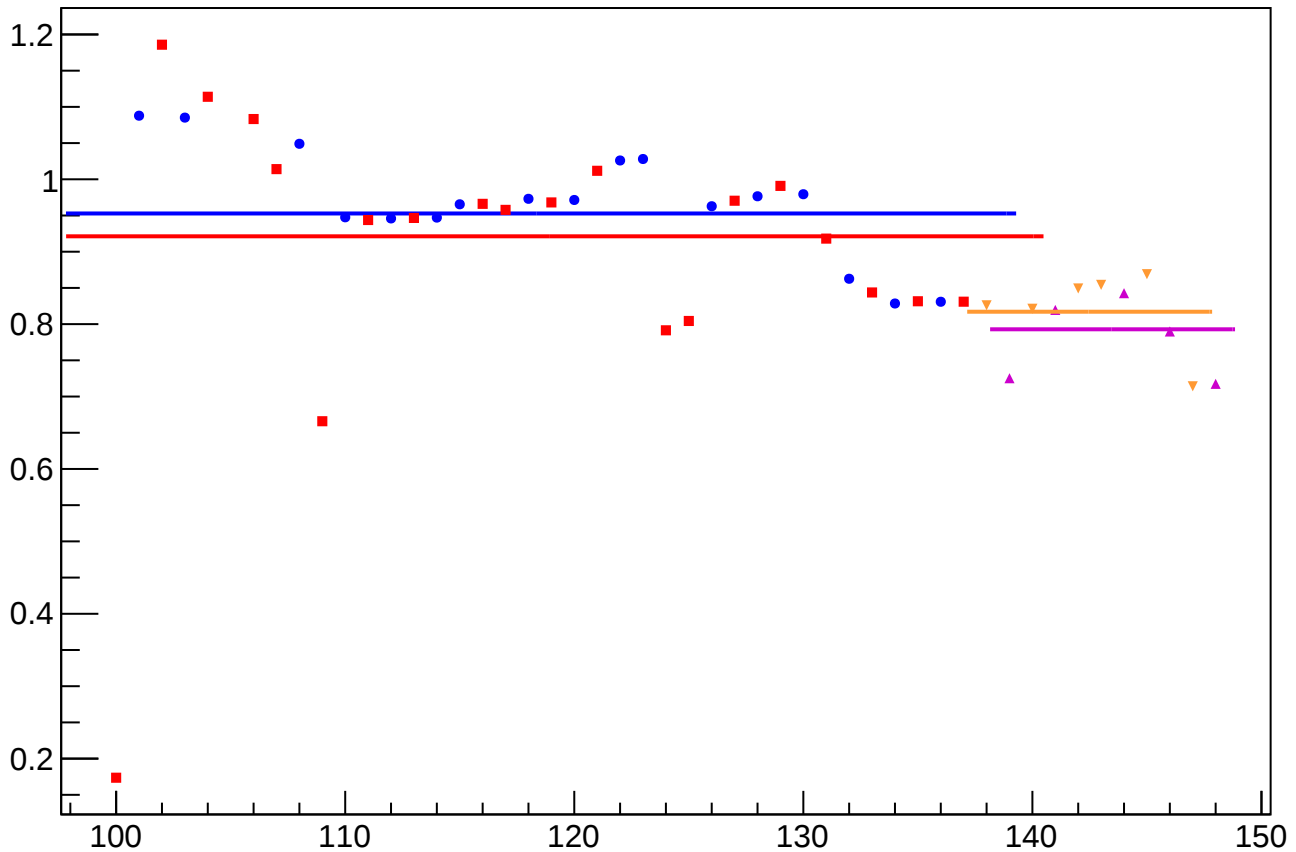
Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

Left In: 0.020+/-0.000 χ^2/NDF :1373781.6/4

0.024+/-0.000 χ^2/NDF : 5599532.3/22

0.026+/-0.000 χ^2/NDF : 5189211.0/24

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.817 $\pm$ 0.000 χ^2 /NDF:70581787.3/5

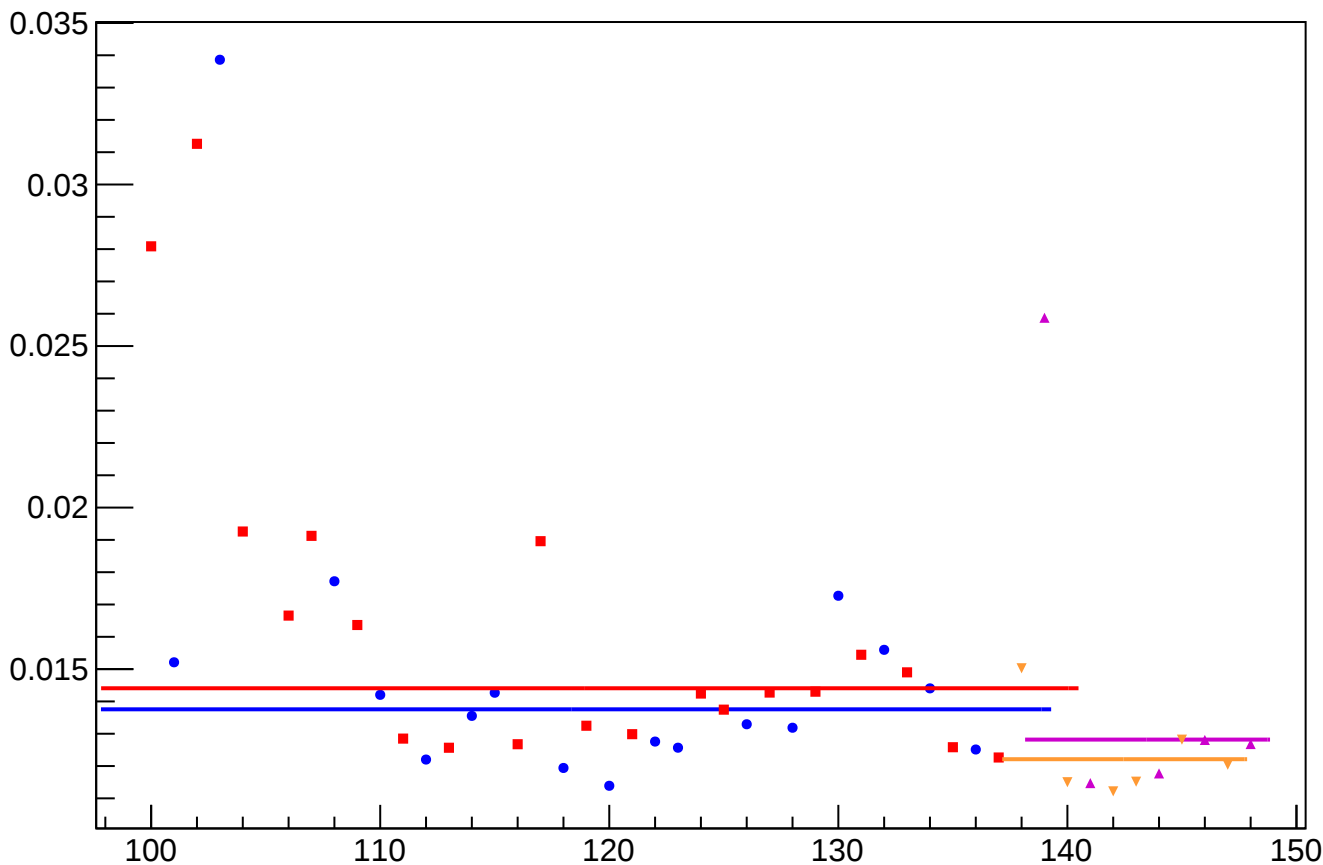
0.894 $\pm$ 0.000 χ^2 /NDF: 487098721.7/22

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374306248.8/19

0.868 $\pm$ 0.000 χ^2 /NDF: 622958960.1/24

Left In: 0.793 $\pm$ 0.000 χ^2 /NDF:47578951.7/4

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.012+/-0.000 χ^2/NDF :58630.5/5

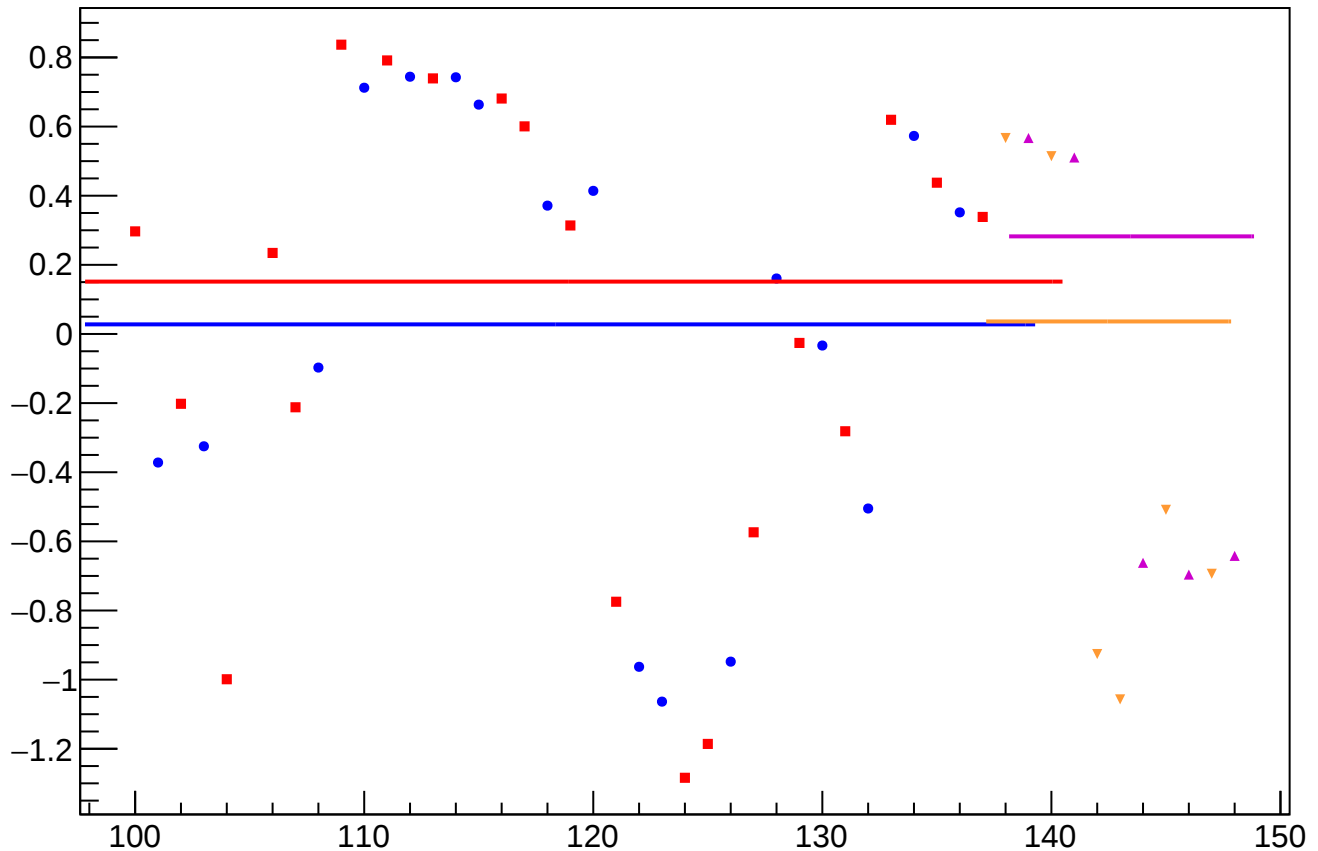
Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

Left In: 0.013+/-0.000 χ^2/NDF :387953.3/4

0.013+/-0.000 χ^2/NDF : 659471.1/22

0.014+/-0.000 χ^2/NDF : 958137.7/24

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.036+/-0.000 χ^2/NDF :15027296500.2/5

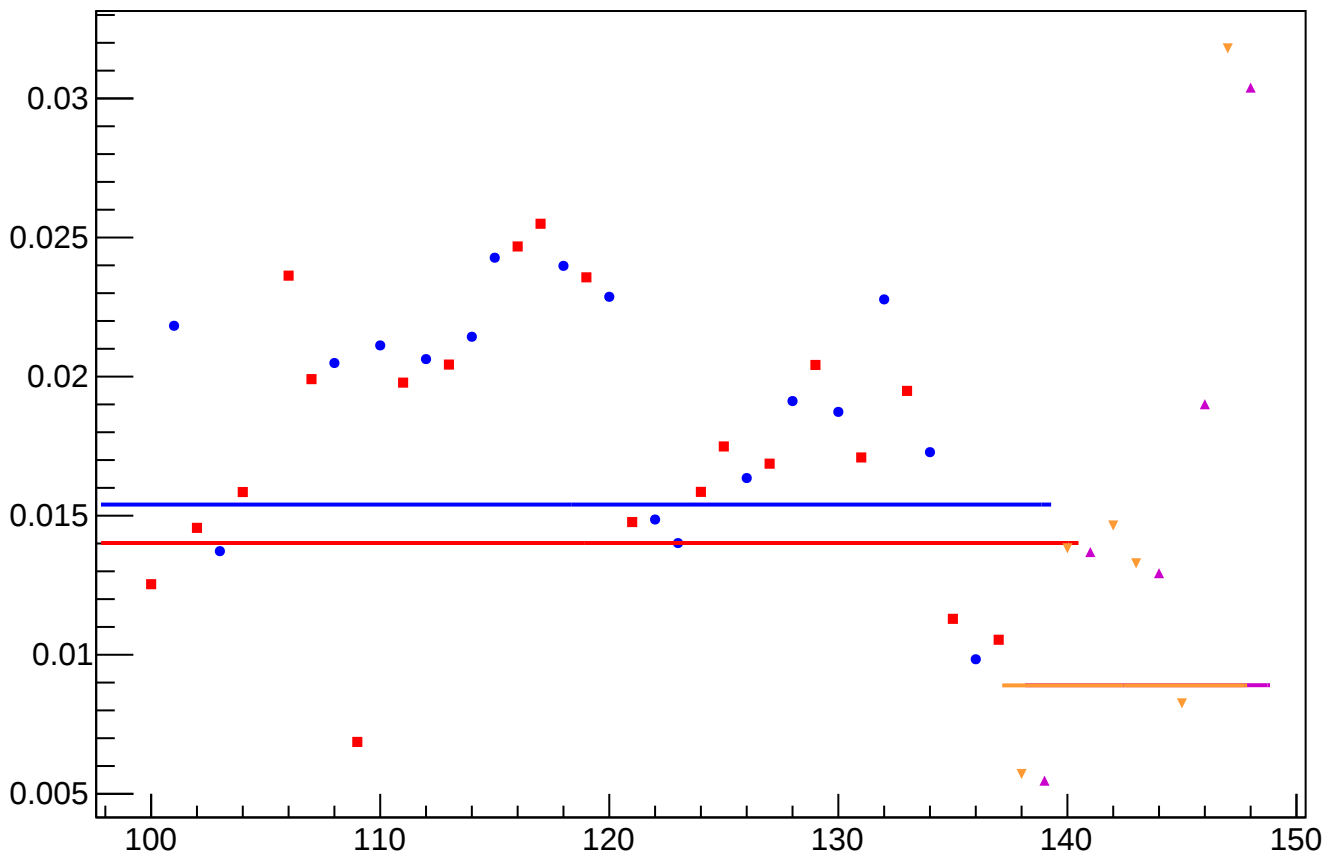
0.033+/-0.000 χ^2/NDF : 21305282676.9/22

Right Out: 0.152+/-0.000 χ^2/NDF : 12665480117.0/19

0.223+/-0.000 χ^2/NDF : 21989013947.2/24

Left In: 0.282+/-0.000 χ^2/NDF :9055840978.6/4

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.009+/-0.000 χ^2/NDF :1605394.6/5

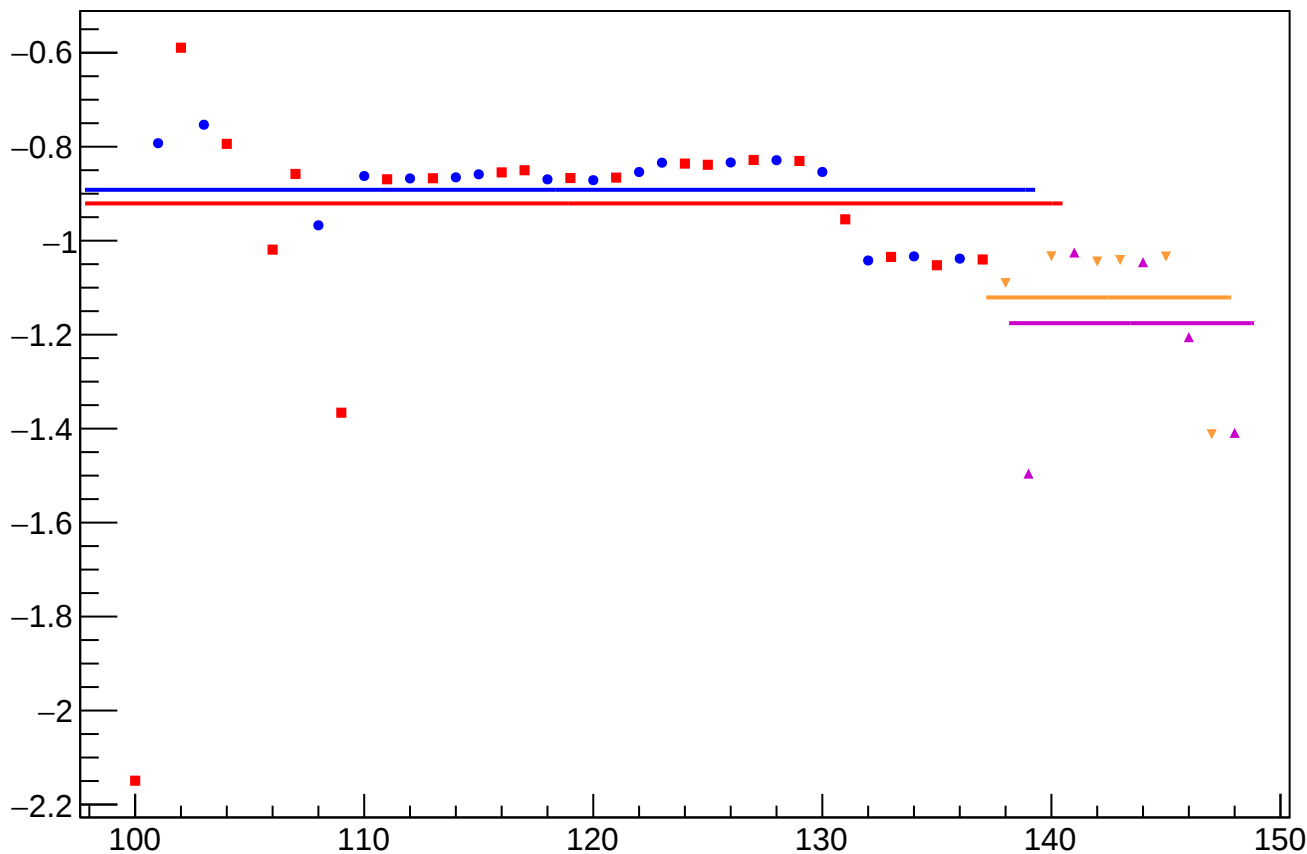
Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

Left In: 0.009+/-0.000 χ^2/NDF :2043491.4/4

0.011+/-0.000 χ^2/NDF : 3966679.4/22

0.011+/-0.000 χ^2/NDF : 4437605.5/24

yield_bpm12X_mean vs Slug



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.121+/-0.000 χ^2/NDF : 79142980.6/5

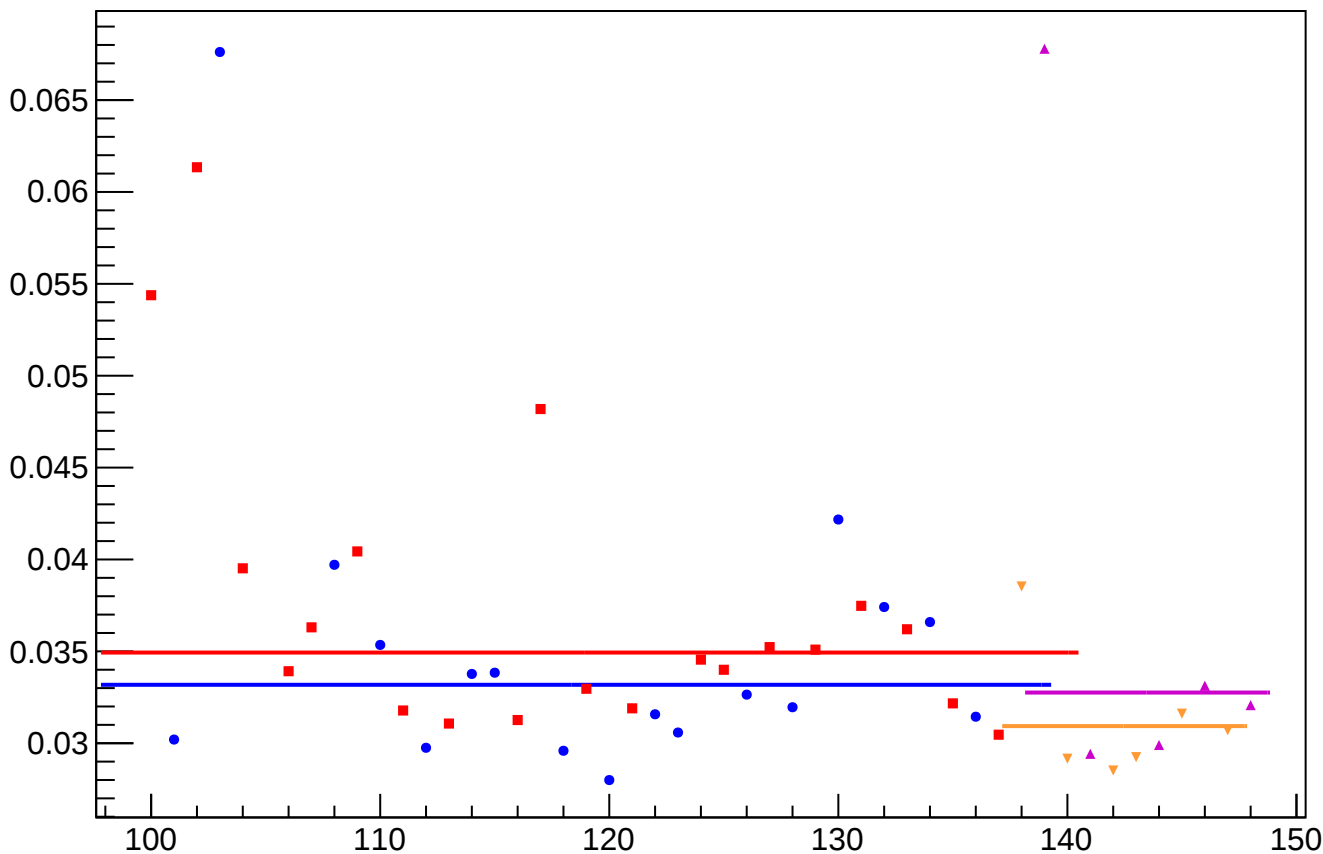
Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

Left In: -1.176+/-0.000 χ^2/NDF : 86603970.8/4

-0.984+/-0.000 χ^2/NDF : 230155825.0/22

-1.019+/-0.000 χ^2/NDF : 344503750.9/24

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 59906.3/5

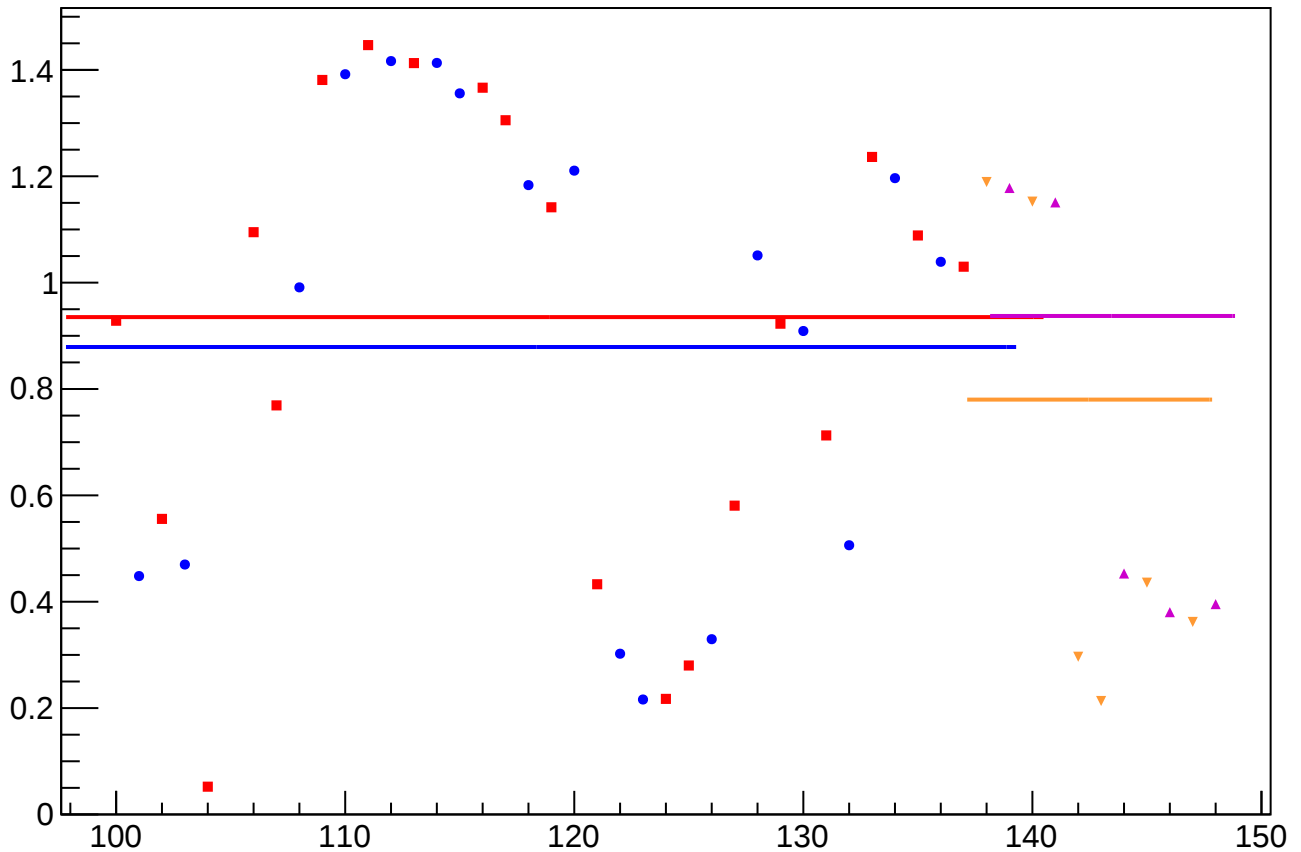
Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

Left In: 0.033+/-0.000 χ^2/NDF : 406118.0/4

0.032+/-0.000 χ^2/NDF : 481424.4/22

0.034+/-0.000 χ^2/NDF : 705863.6/24

yield_bpm12Y_mean vs Slug



Right In: 0.879 ± 0.000 $\chi^2/\text{NDF}: 6371602566.2/16$

Left Out: 0.780 ± 0.000 $\chi^2/\text{NDF}: 10836319696.6/5$

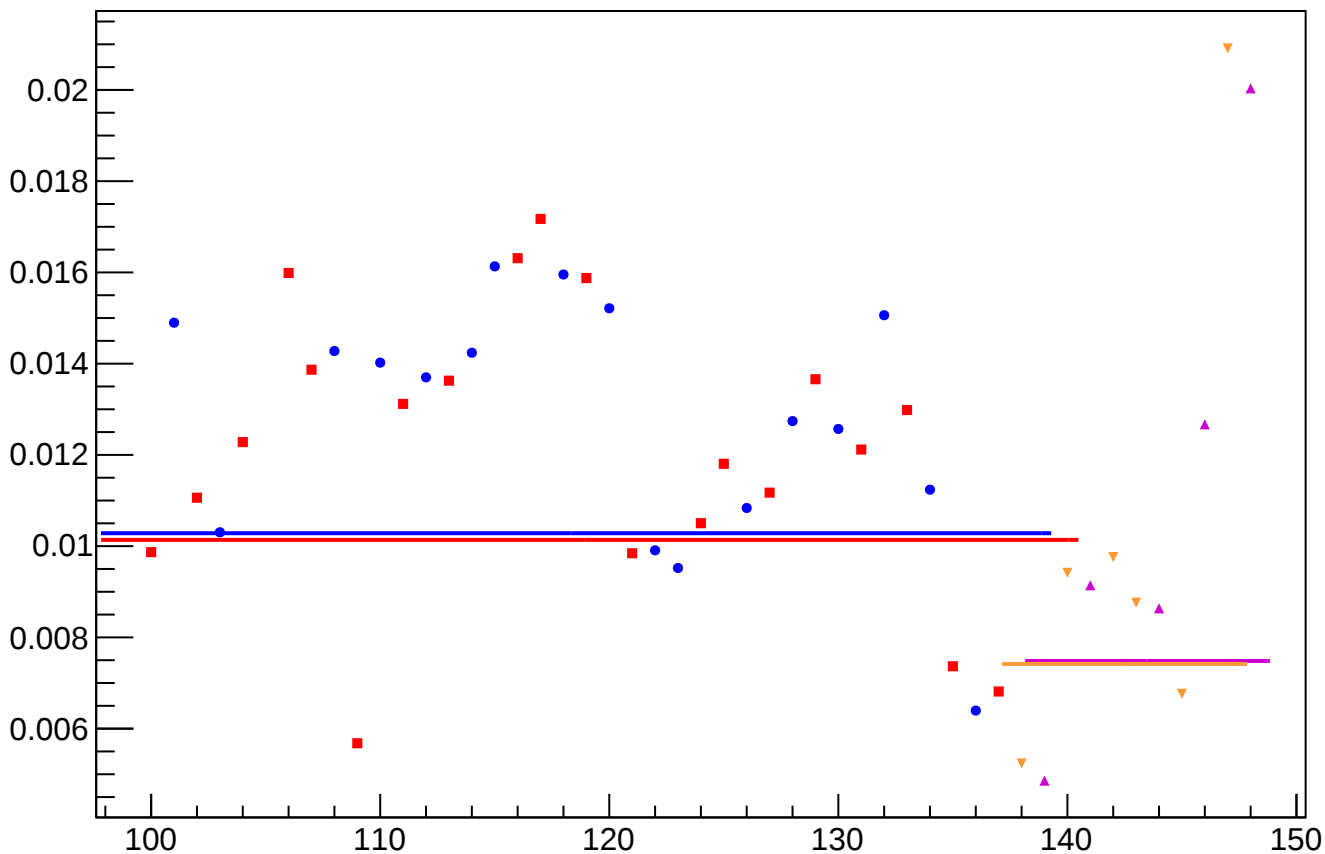
Right Out: 0.935 ± 0.000 $\chi^2/\text{NDF}: 9844960466.1/19$

Left In: 0.937 ± 0.000 $\chi^2/\text{NDF}: 6646911245.1/4$

0.826 ± 0.000 $\chi^2/\text{NDF}: 17484829466.0/22$

0.936 ± 0.000 $\chi^2/\text{NDF}: 16491996887.1/24$

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.007+/-0.000 χ^2/NDF :1011691.3/5

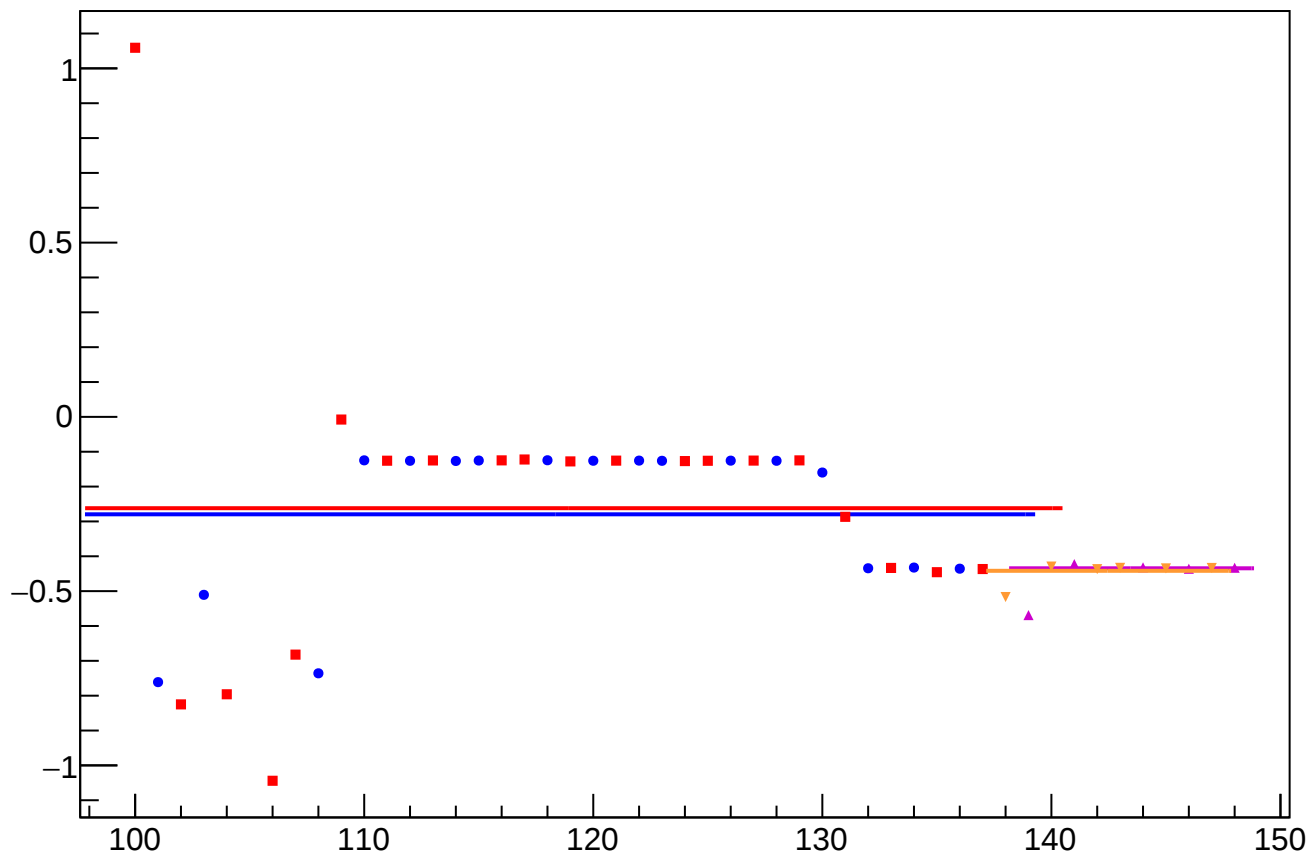
Right Out: 0.010+/-0.000 χ^2/NDF : 1189529.0/19

Left In: 0.007+/-0.000 χ^2/NDF :1312395.5/4

0.009+/-0.000 χ^2/NDF : 2684387.0/22

0.009+/-0.000 χ^2/NDF : 2898719.3/24

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.442 ± 0.000 χ^2/NDF : 23008153.4/5

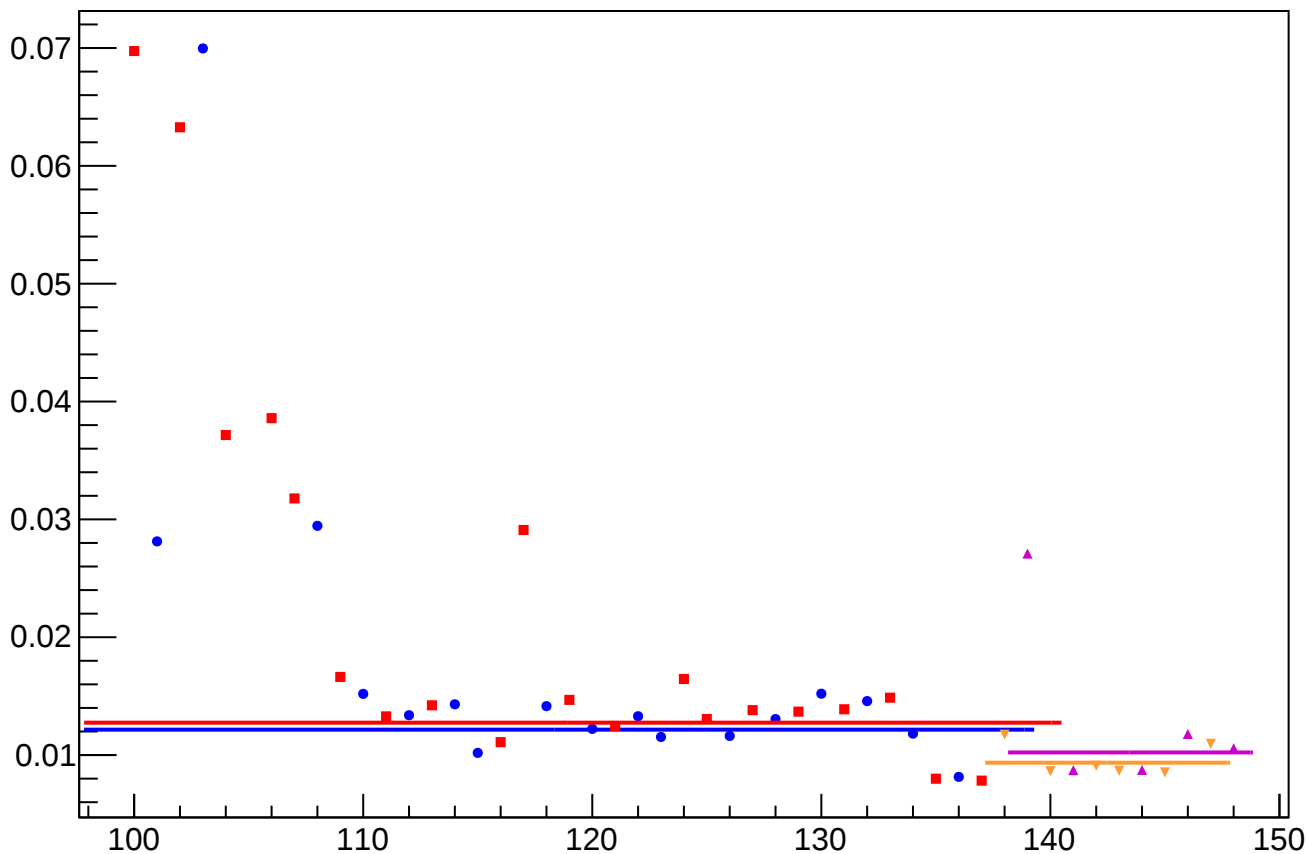
Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

Left In: -0.434 ± 0.000 χ^2/NDF : 18741519.8/4

-0.366 ± 0.000 χ^2/NDF : 1391700724.1/22

-0.347 ± 0.000 χ^2/NDF : 1462445661.0/24

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.009+/-0.000 χ^2/NDF : 95694.9/5

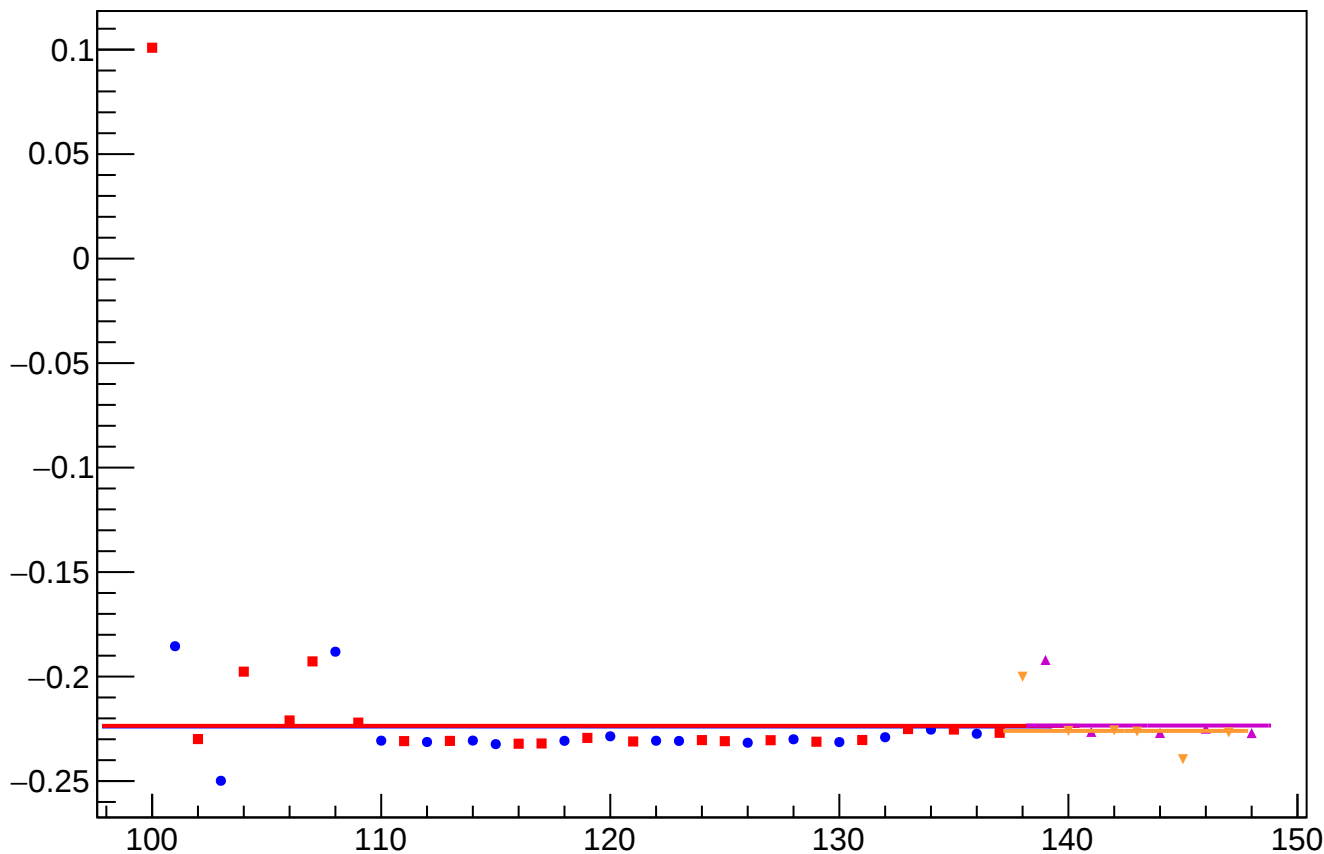
Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

Left In: 0.010+/-0.000 χ^2/NDF : 651430.5/4

0.011+/-0.000 χ^2/NDF : 2081707.8/22

0.012+/-0.000 χ^2/NDF : 2831161.8/24

yield_bpm16Y_mean vs Slug



Right In: -0.224 ± 0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226 ± 0.000 χ^2/NDF : 20477278.7/5

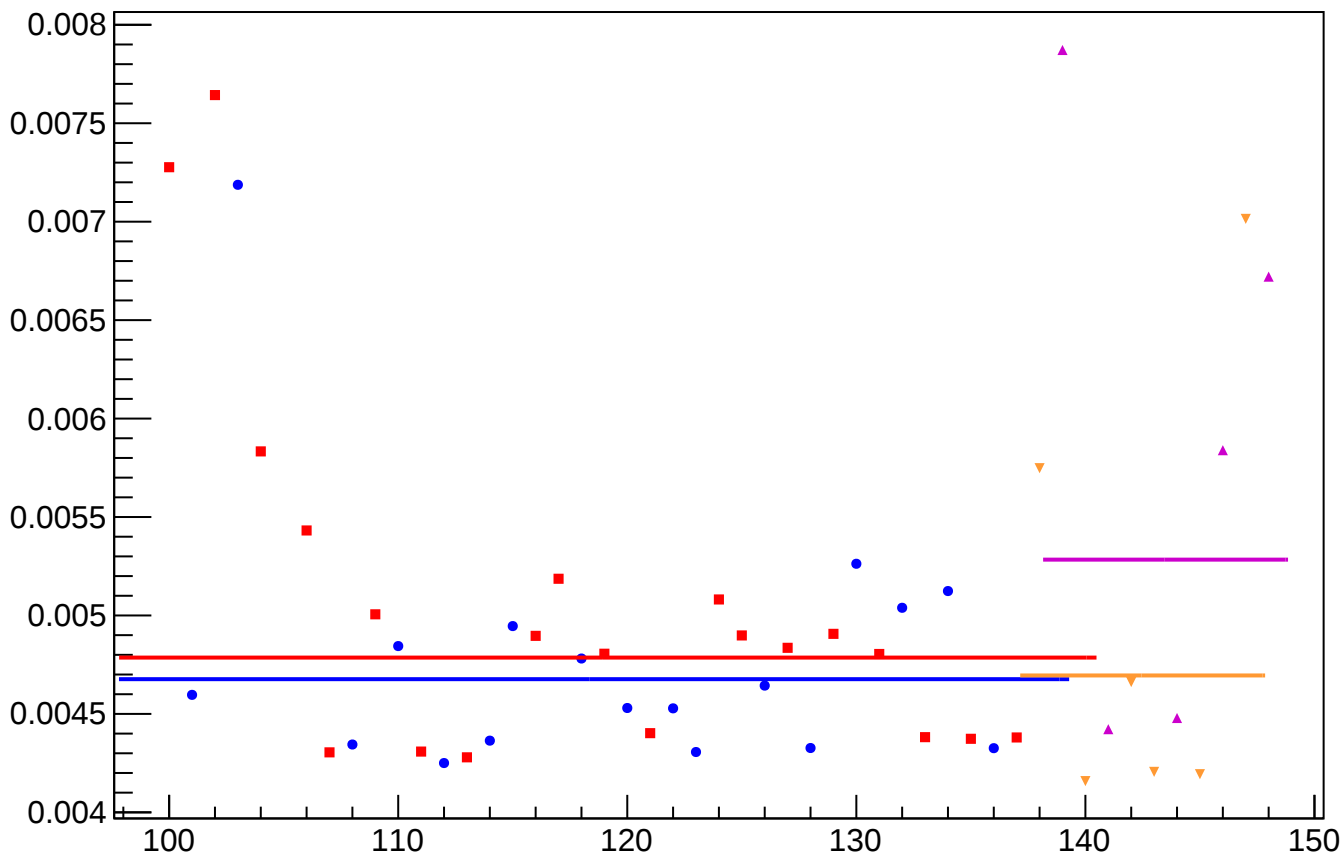
Right Out: -0.224 ± 0.000 χ^2/NDF : 168229582.1/19

Left In: -0.223 ± 0.000 χ^2/NDF : 12031507.9/4

-0.225 ± 0.000 χ^2/NDF : 95536410.3/22

-0.224 ± 0.000 χ^2/NDF : 180263060.8/24

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 271409.6/5

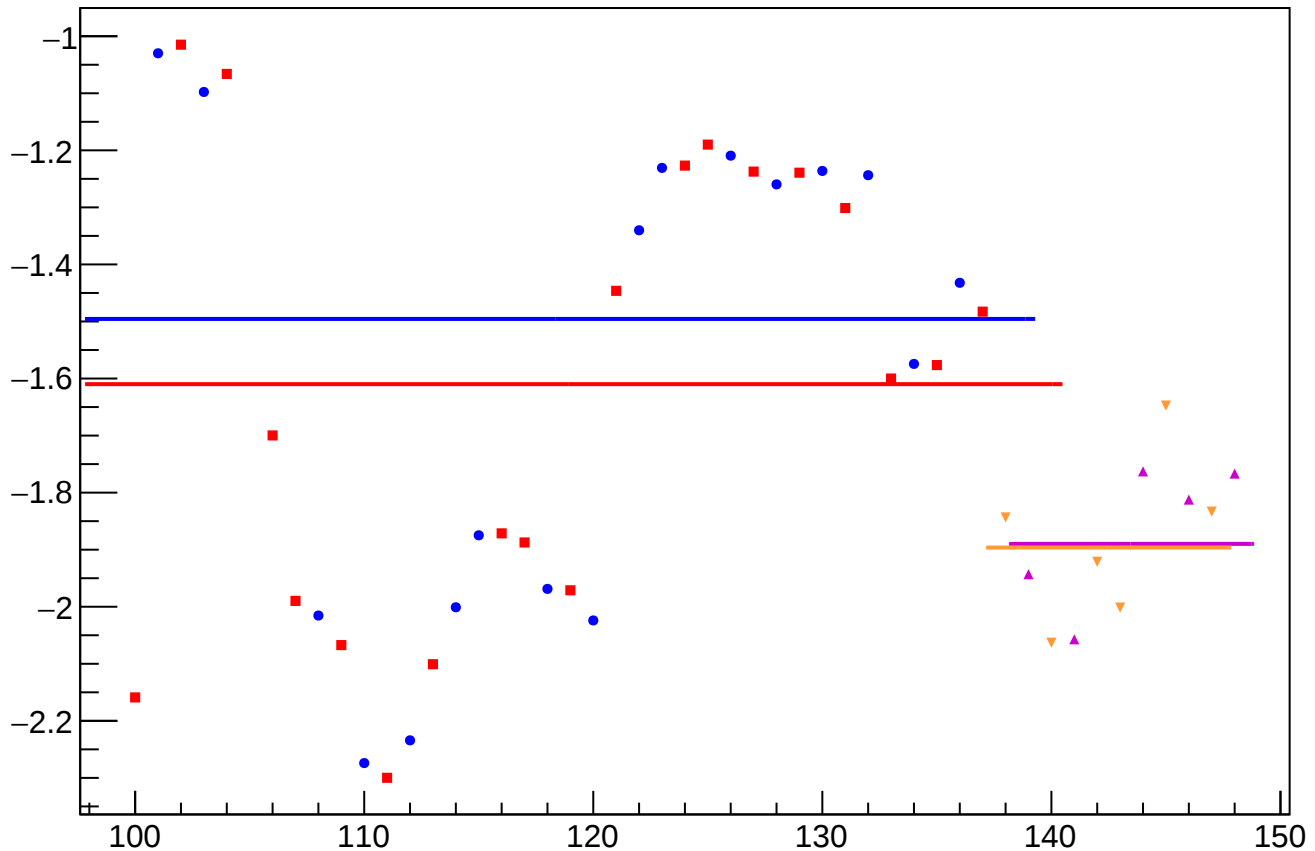
Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 340266.8/4

0.005+/-0.000 χ^2/NDF : 452263.7/22

0.005+/-0.000 χ^2/NDF : 632374.2/24

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.896+/-0.000 χ^2/NDF : 2392421624.4/5

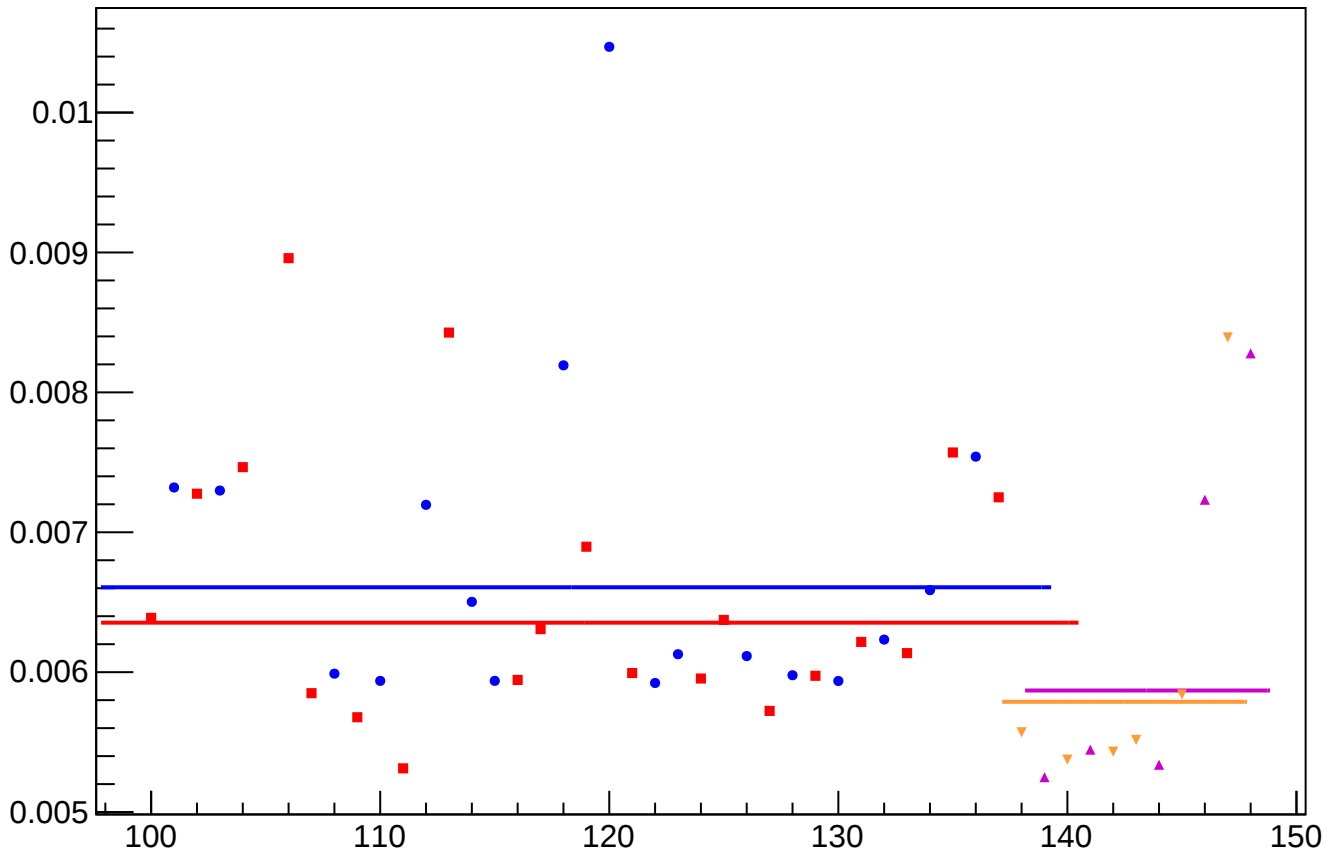
-1.678+/-0.000 χ^2/NDF : 35050027207.8/22

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

-1.720+/-0.000 χ^2/NDF : 34544372438.1/24

Left In: -1.890+/-0.000 χ^2/NDF : 1555659275.7/4

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF :152491.6/5

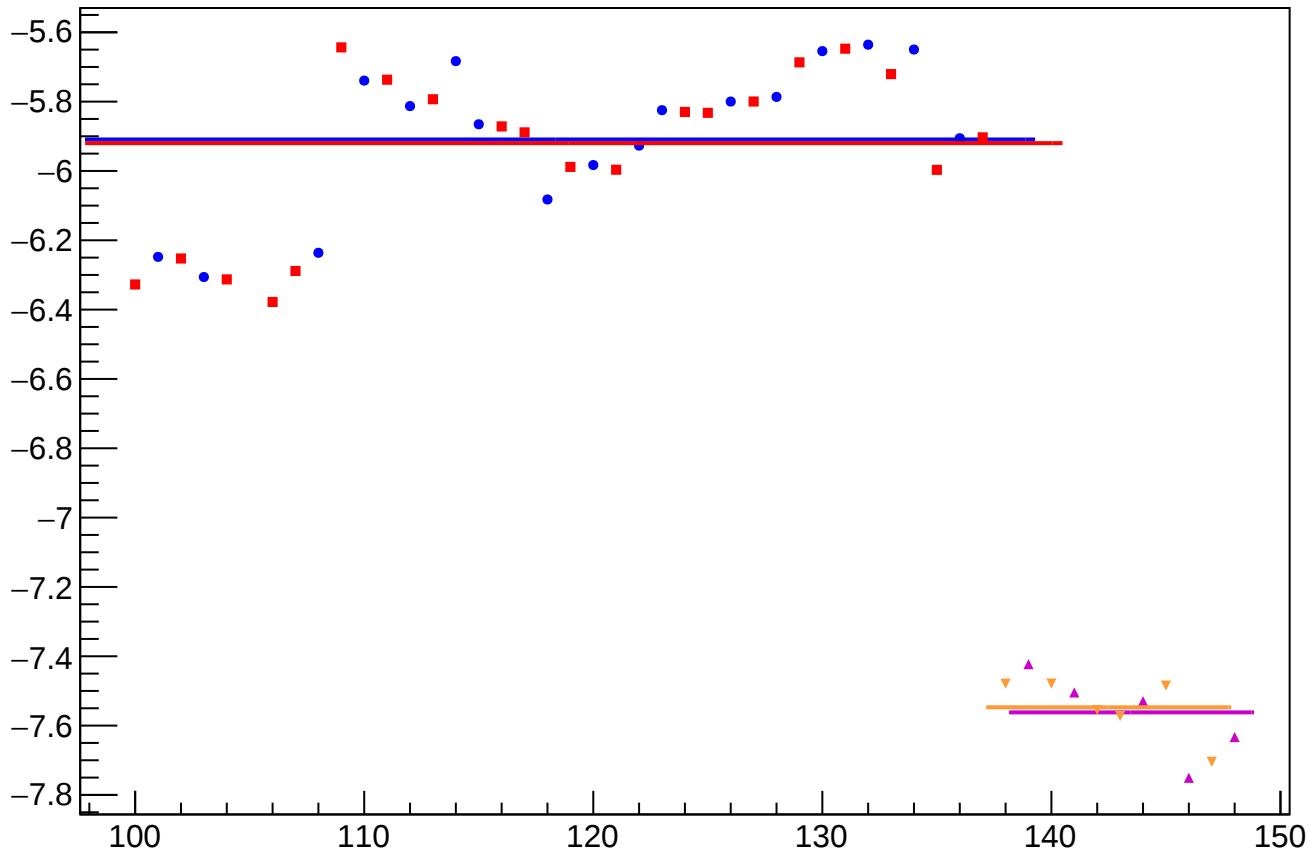
Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

Left In: 0.006+/-0.000 χ^2/NDF :216076.4/4

0.006+/-0.000 χ^2/NDF : 438484.9/22

0.006+/-0.000 χ^2/NDF : 473683.2/24

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.547+/-0.000 χ^2/NDF : 351746747.9/5

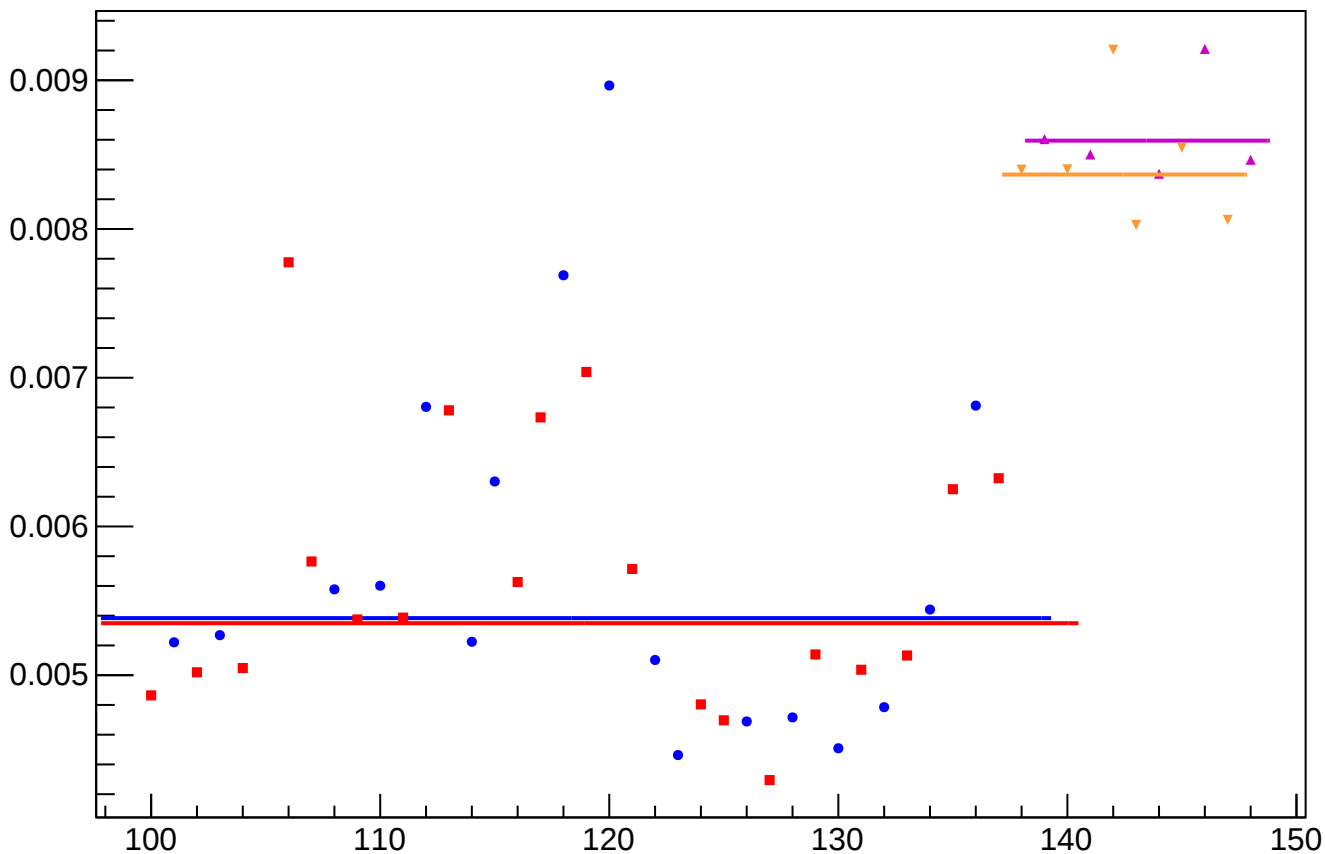
-6.226+/-0.000 χ^2/NDF : 116415551672.7/22

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

-6.200+/-0.000 χ^2/NDF : 116228912048.8/24

Left In: -7.562+/-0.000 χ^2/NDF : 510486800.1/4

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :10535.5/5

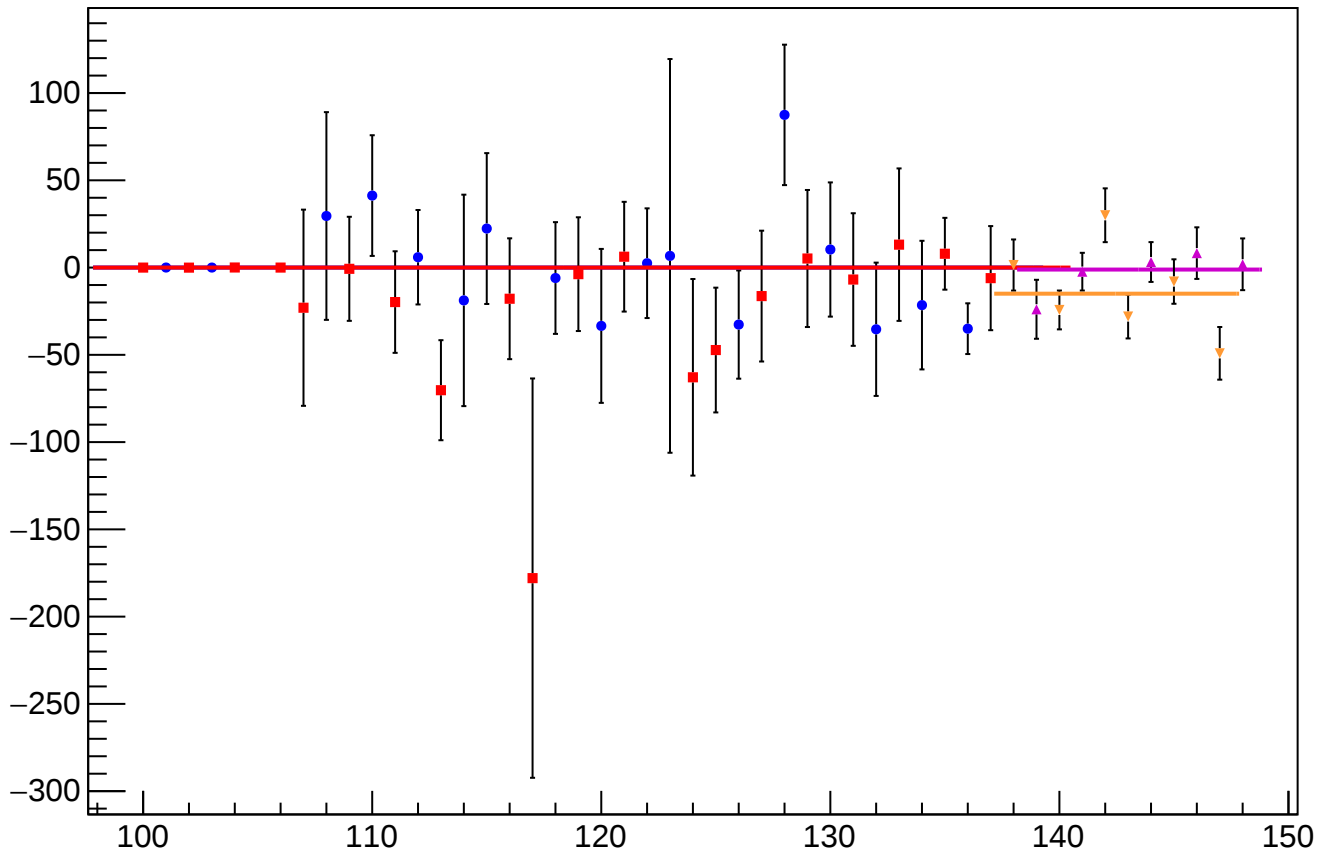
Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

Left In: 0.009+/-0.000 χ^2/NDF :7120.6/4

0.006+/-0.000 χ^2/NDF : 1053994.2/22

0.006+/-0.000 χ^2/NDF : 1058750.7/24

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -14.963 ± 5.435 χ^2/NDF : 17.0/5

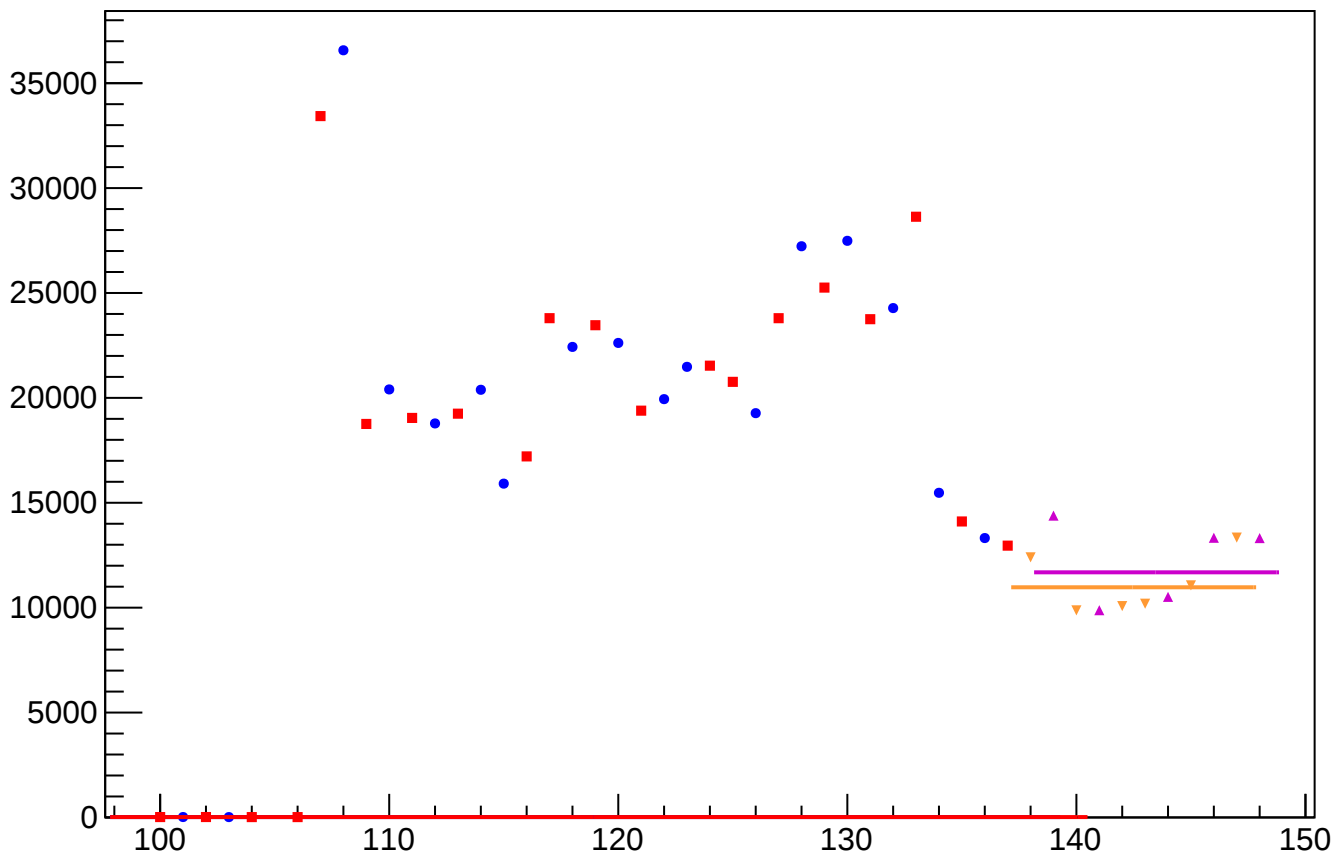
Right Out: 0.003 ± 0.016 χ^2/NDF : 17.7/19

Left In: -1.140 ± 5.884 χ^2/NDF : 2.4/4

0.013 ± 0.017 χ^2/NDF : 40.3/22

0.003 ± 0.016 χ^2/NDF : 20.2/24

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2 /NDF: 10841561.4/16

Left Out: 10971.363+/-3.843 χ^2 /NDF:102483.8/5

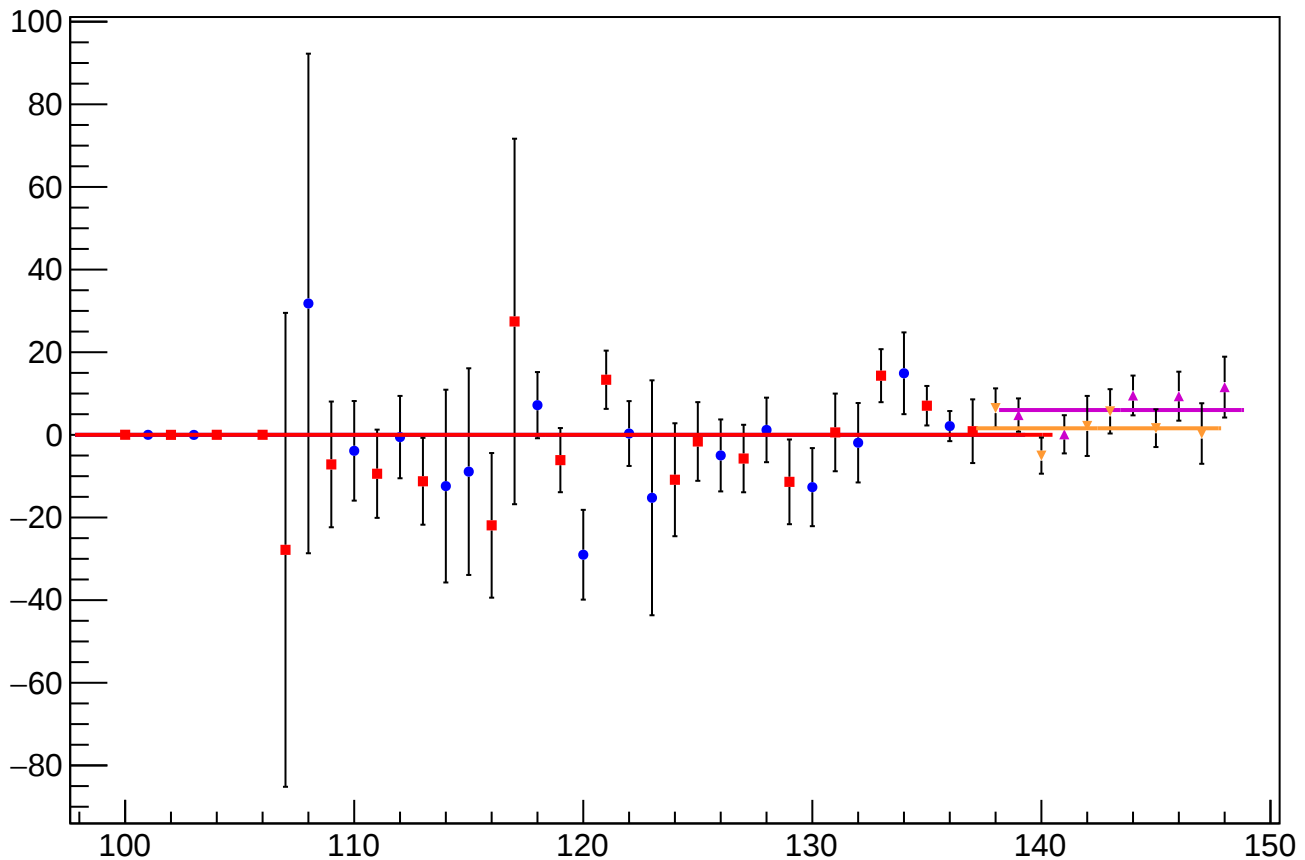
Right Out: 18.312+/-0.011 χ^2 /NDF: 11189737.0/19

Left In: 11684.528+/-4.161 χ^2 /NDF:177132.8/4

18.752+/-0.012 χ^2 /NDF: 19066676.3/22

18.399+/-0.011 χ^2 /NDF: 19229123.4/24

diff_cav4bY_mean vs Slug



Right In: 0.001+/-0.009 χ^2/NDF : 14.9/16

Left Out: 1.590+/-2.148 χ^2/NDF : 4.0/5

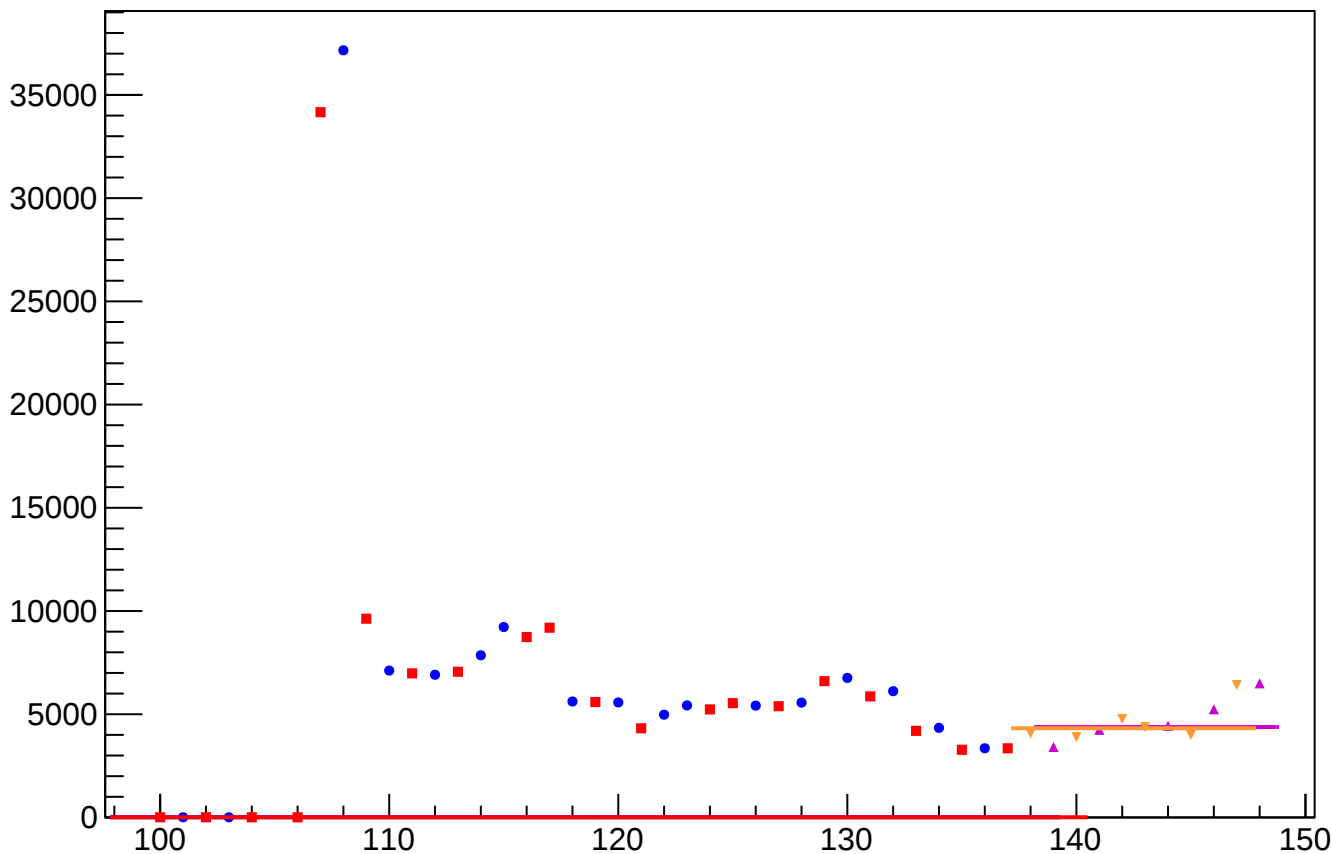
Right Out: 0.014+/-0.009 χ^2/NDF : 18.8/19

Left In: 6.010+/-2.244 χ^2/NDF : 3.1/4

0.001+/-0.009 χ^2/NDF : 19.4/22

0.014+/-0.009 χ^2/NDF : 29.1/24

diff_cav4bY_rms vs Slug



Right In: 9.938 ± 0.007 χ^2/NDF : 10973577.1/16

Left Out: 4320.574 ± 1.519 χ^2/NDF : 206108.9/5

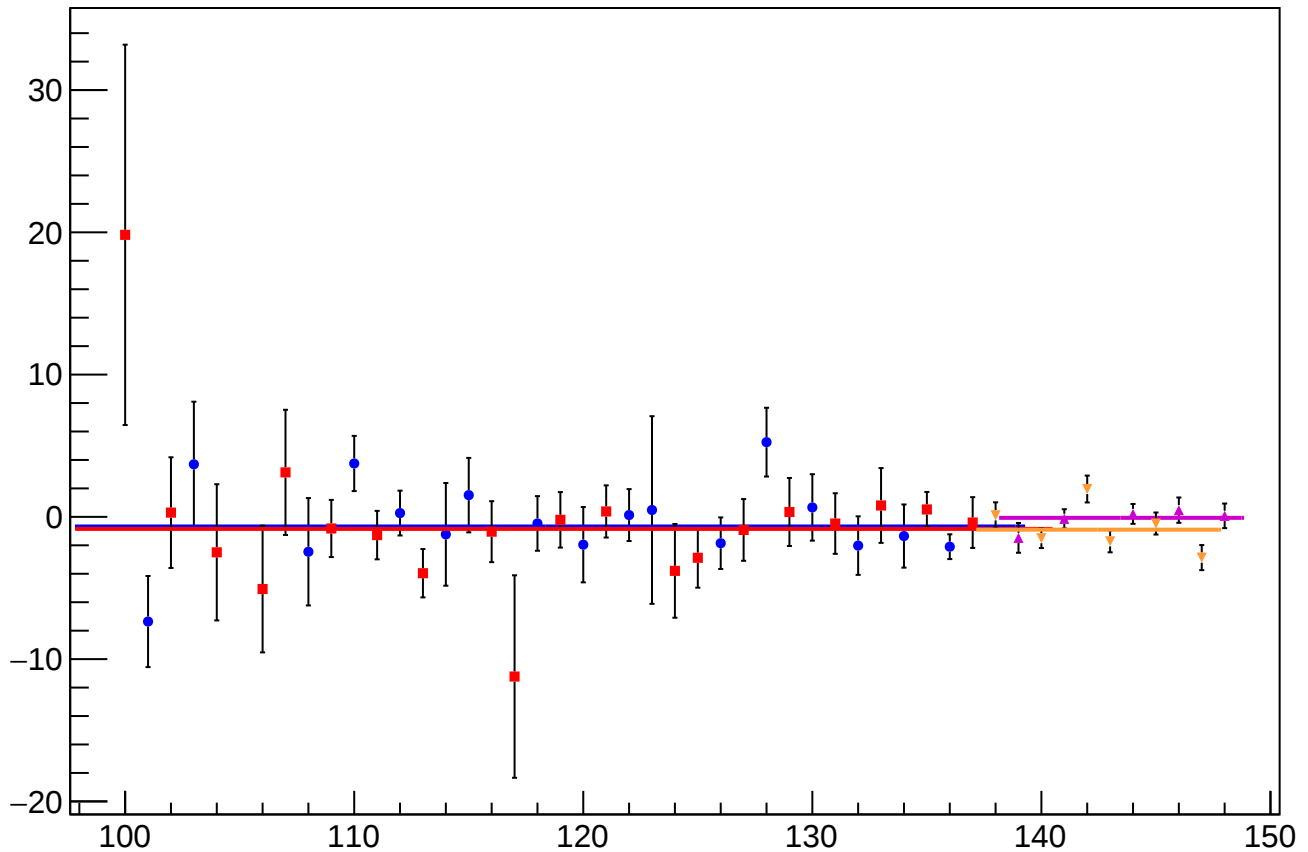
Right Out: 9.855 ± 0.006 χ^2/NDF : 11238836.3/19

Left In: 4381.161 ± 1.587 χ^2/NDF : 324392.4/4

10.017 ± 0.007 χ^2/NDF : 19233588.2/22

9.920 ± 0.006 χ^2/NDF : 19149938.0/24

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

-0.828 ± 0.274 χ^2/NDF : 39.9/22

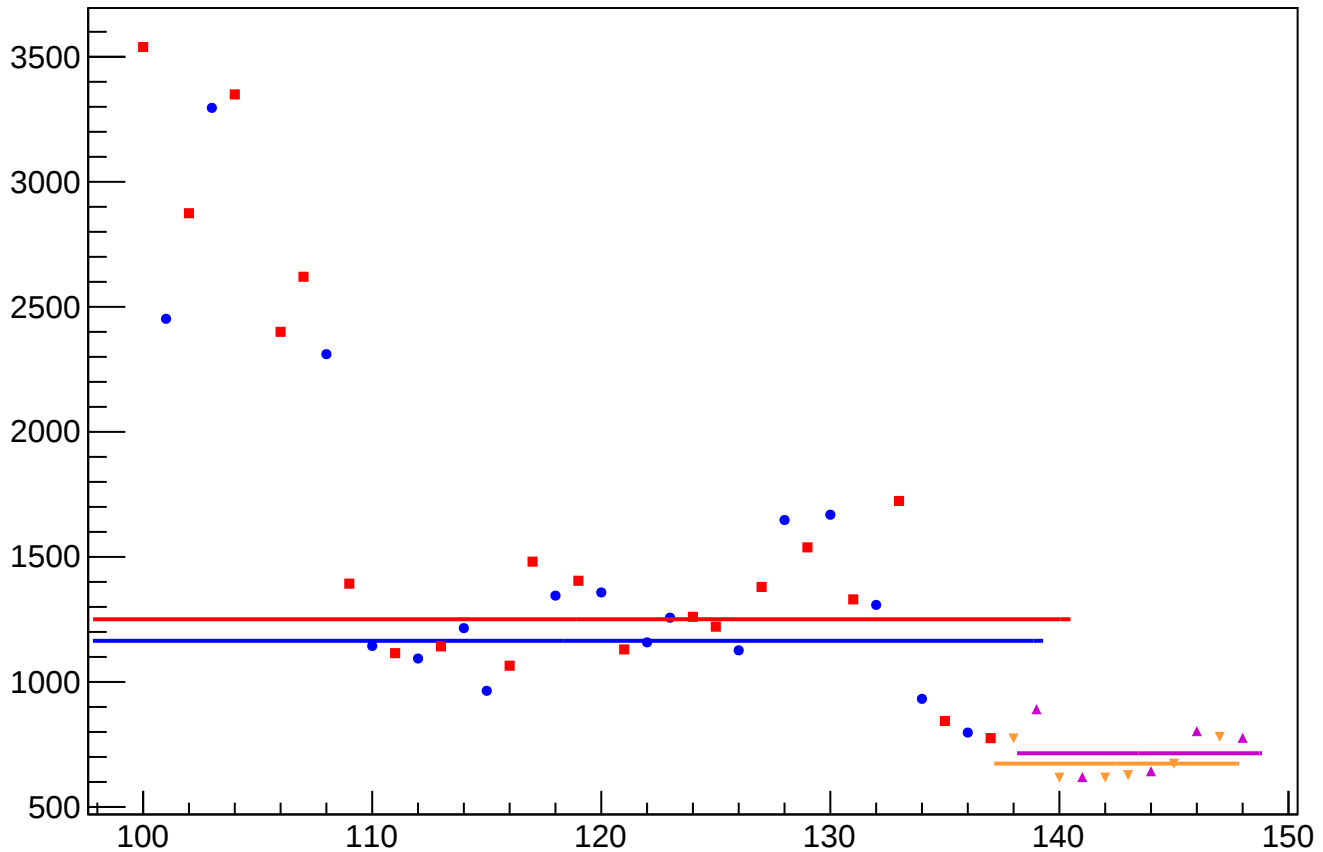
Left Out: -0.900 ± 0.333 χ^2/NDF : 17.5/5

Right Out: -0.846 ± 0.500 χ^2/NDF : 14.1/19

-0.333 ± 0.292 χ^2/NDF : 18.1/24

Left In: -0.069 ± 0.359 χ^2/NDF : 2.4/4

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 673.458 $\pm$ 0.235 χ^2 /NDF: 80755.9/5

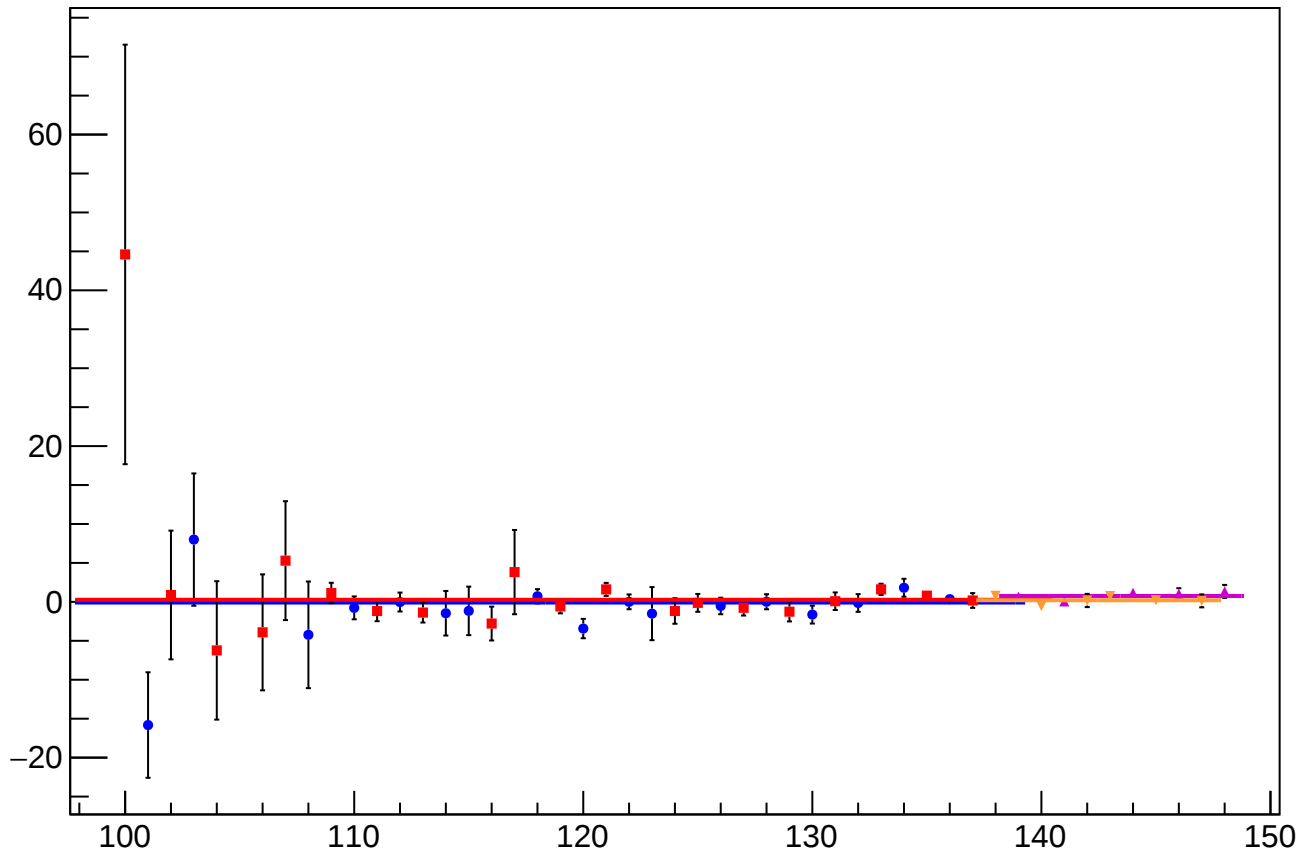
831.076 $\pm$ 0.194 χ^2 /NDF: 3061719.9/22

Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

897.139 $\pm$ 0.206 χ^2 /NDF: 3315643.5/24

Left In: 714.764 $\pm$ 0.254 χ^2 /NDF: 147557.8/4

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.206 ± 0.253 χ^2/NDF : 3.9/5

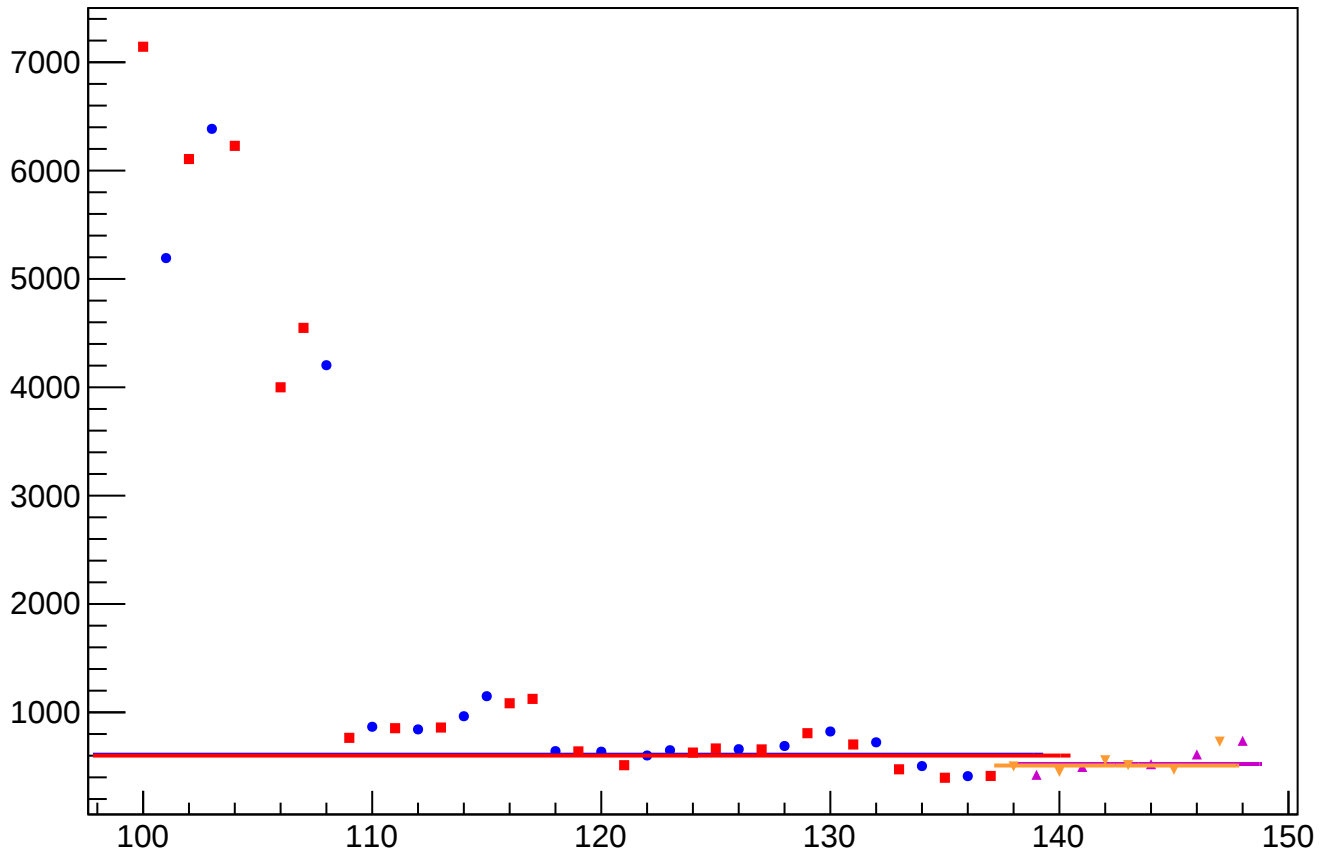
Right Out: 0.268 ± 0.264 χ^2/NDF : 20.9/19

Left In: 0.758 ± 0.266 χ^2/NDF : 2.9/4

0.070 ± 0.185 χ^2/NDF : 25.6/22

0.510 ± 0.188 χ^2/NDF : 25.5/24

diff_cav4cY_rms vs Slug



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 509.259+/-0.179 χ^2/NDF :184927.0/5

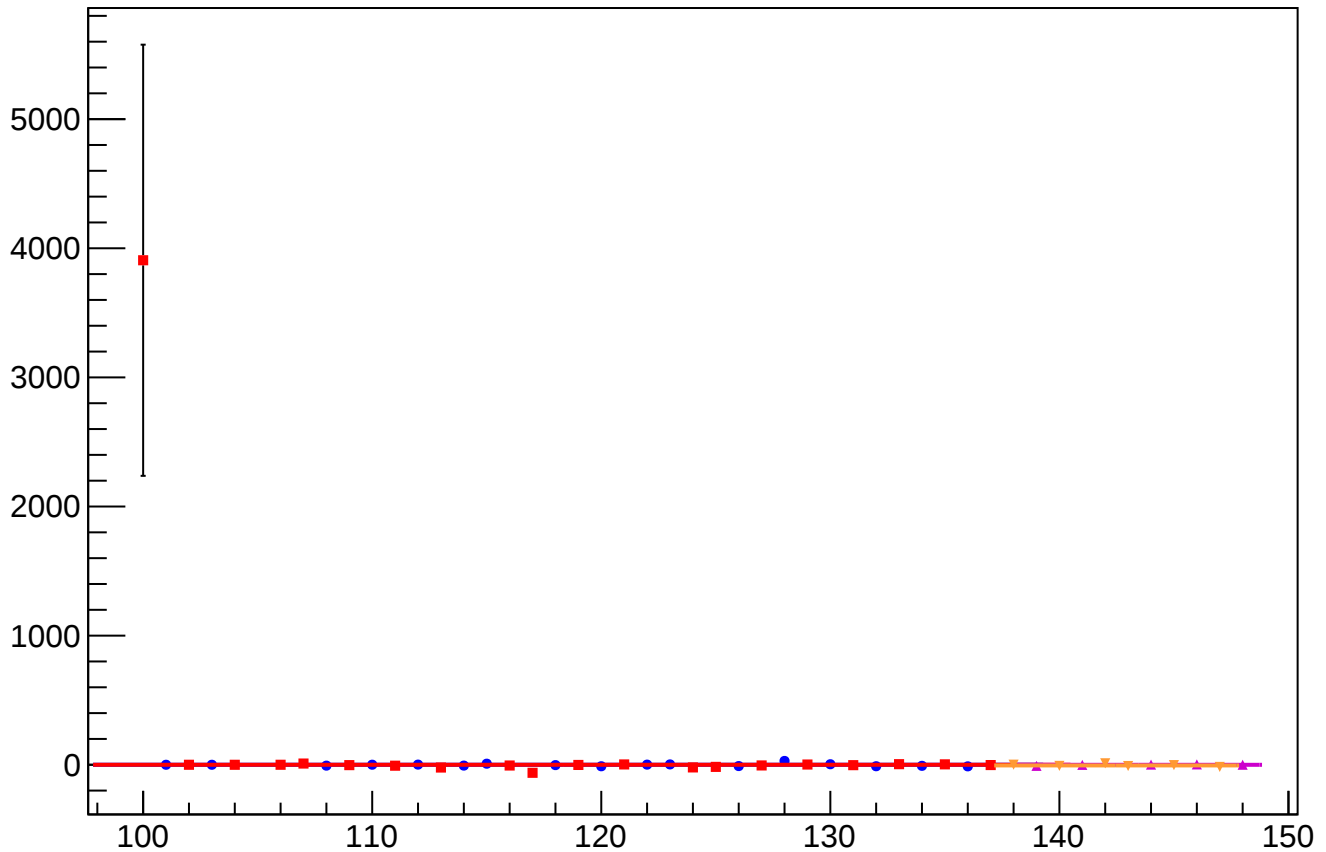
555.810+/-0.130 χ^2/NDF : 3469606.8/22

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

562.480+/-0.133 χ^2/NDF : 3901787.2/24

Left In: 523.084+/-0.188 χ^2/NDF :248804.5/4

diff_cav4dX_mean vs Slug



Right In: -0.022+/-0.021 χ^2/NDF : 15.3/16

Left Out: -5.162+/-1.925 χ^2/NDF : 17.6/5

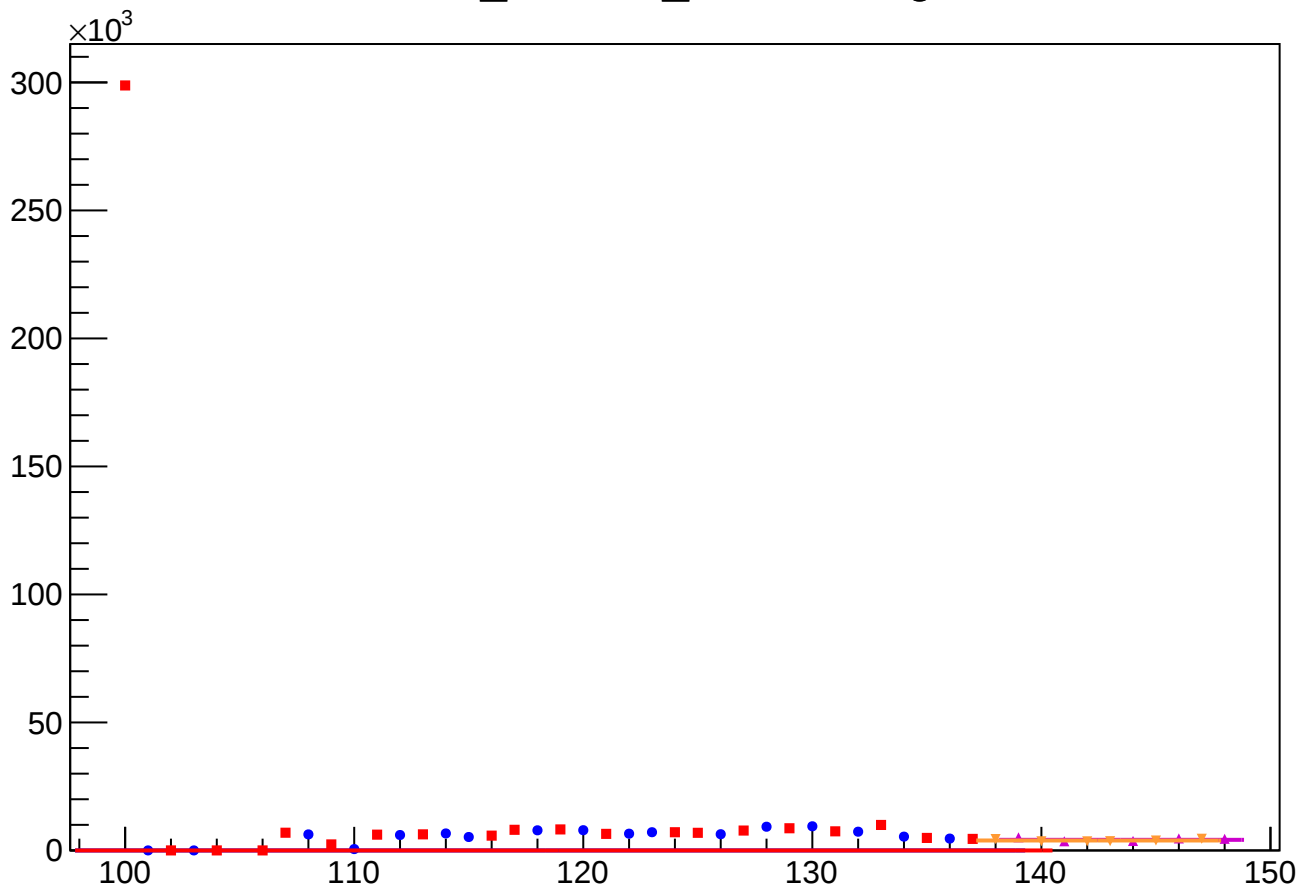
Right Out: -0.027+/-0.020 χ^2/NDF : 19.8/19

Left In: -0.395+/-2.084 χ^2/NDF : 2.4/4

-0.022+/-0.021 χ^2/NDF : 40.0/22

-0.027+/-0.020 χ^2/NDF : 22.3/24

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 3893.220 $\pm$ 1.361 χ^2 /NDF:84200.5/5

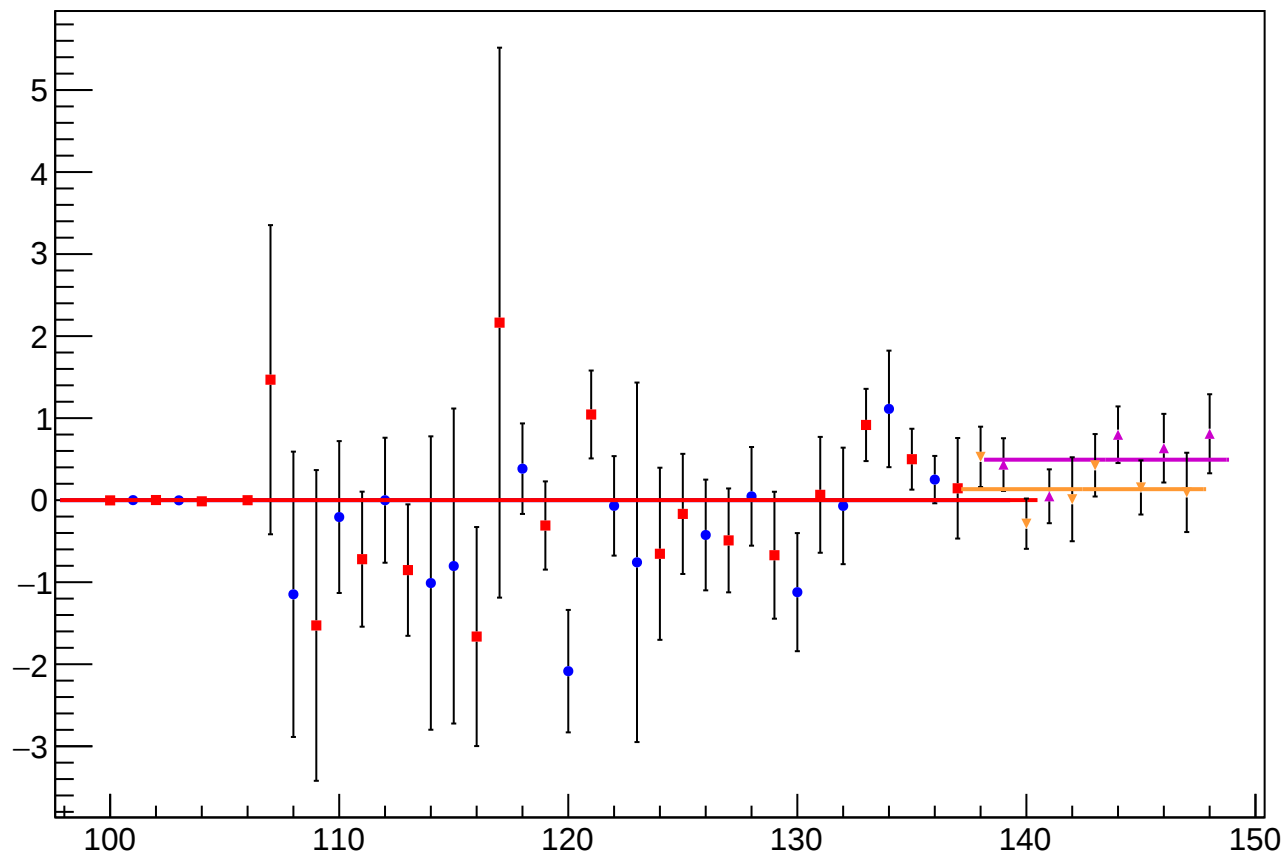
Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

Left In: 4147.309 $\pm$ 1.474 χ^2 /NDF:152274.1/4

17.789 $\pm$ 0.015 χ^2 /NDF: 18547417.9/22

17.642 $\pm$ 0.014 χ^2 /NDF: 18903006.2/24

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.6/16

Left Out: 0.134 $\pm$ 0.154 χ^2 /NDF: 3.7/5

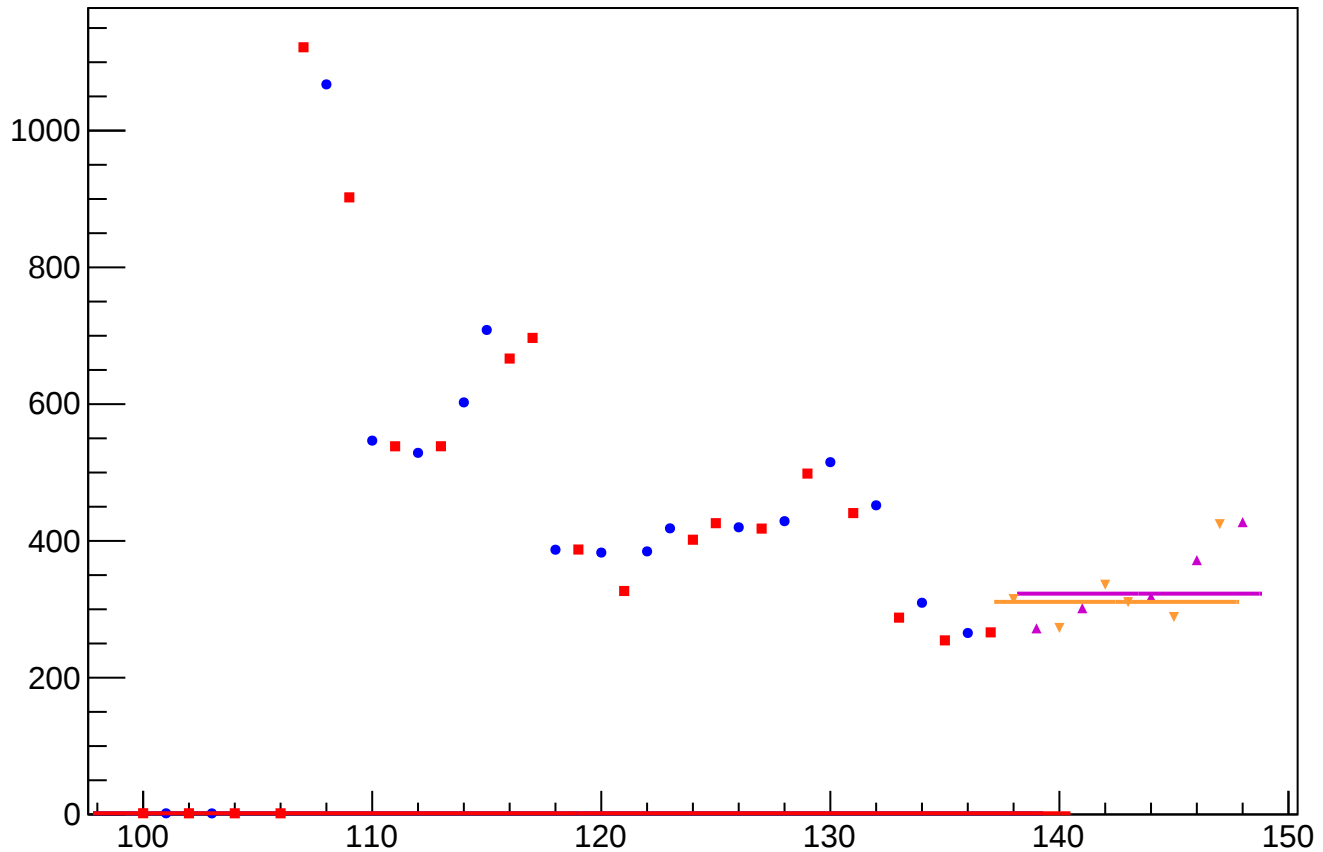
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 18.2/19

Left In: 0.493 $\pm$ 0.164 χ^2 /NDF: 3.2/4

0.000 $\pm$ 0.002 χ^2 /NDF: 20.1/22

0.001 $\pm$ 0.002 χ^2 /NDF: 30.5/24

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 310.865 $\pm$ 0.109 χ^2 /NDF:155399.5/5

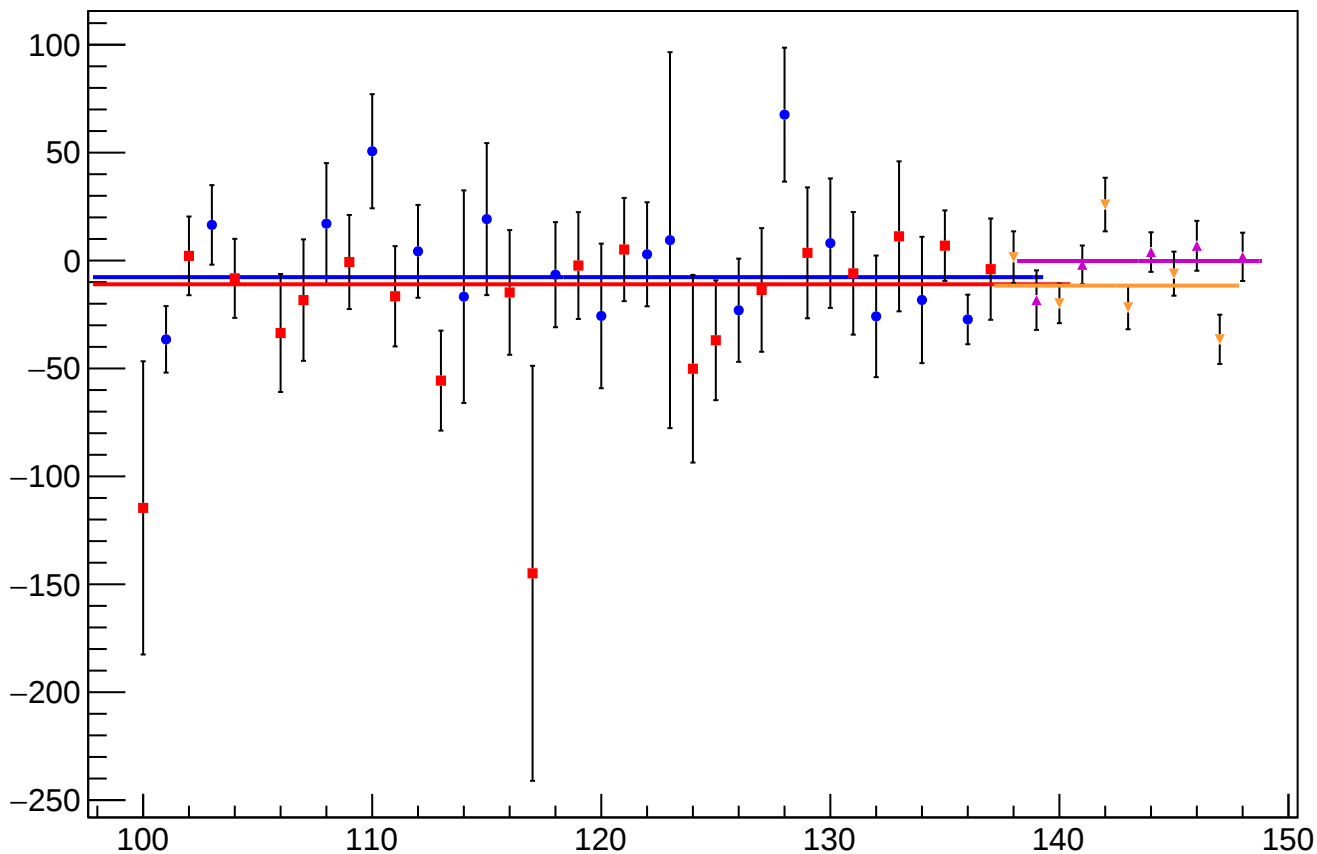
Right Out: 1.729 $\pm$ 0.001 χ^2 /NDF: 10822679.1/19

Left In: 322.890 $\pm$ 0.116 χ^2 /NDF:180292.7/4

1.752 $\pm$ 0.001 χ^2 /NDF: 19131602.9/22

1.774 $\pm$ 0.001 χ^2 /NDF: 18711232.8/24

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -11.600 ± 4.374 $\chi^2/\text{NDF}: 17.2/5$

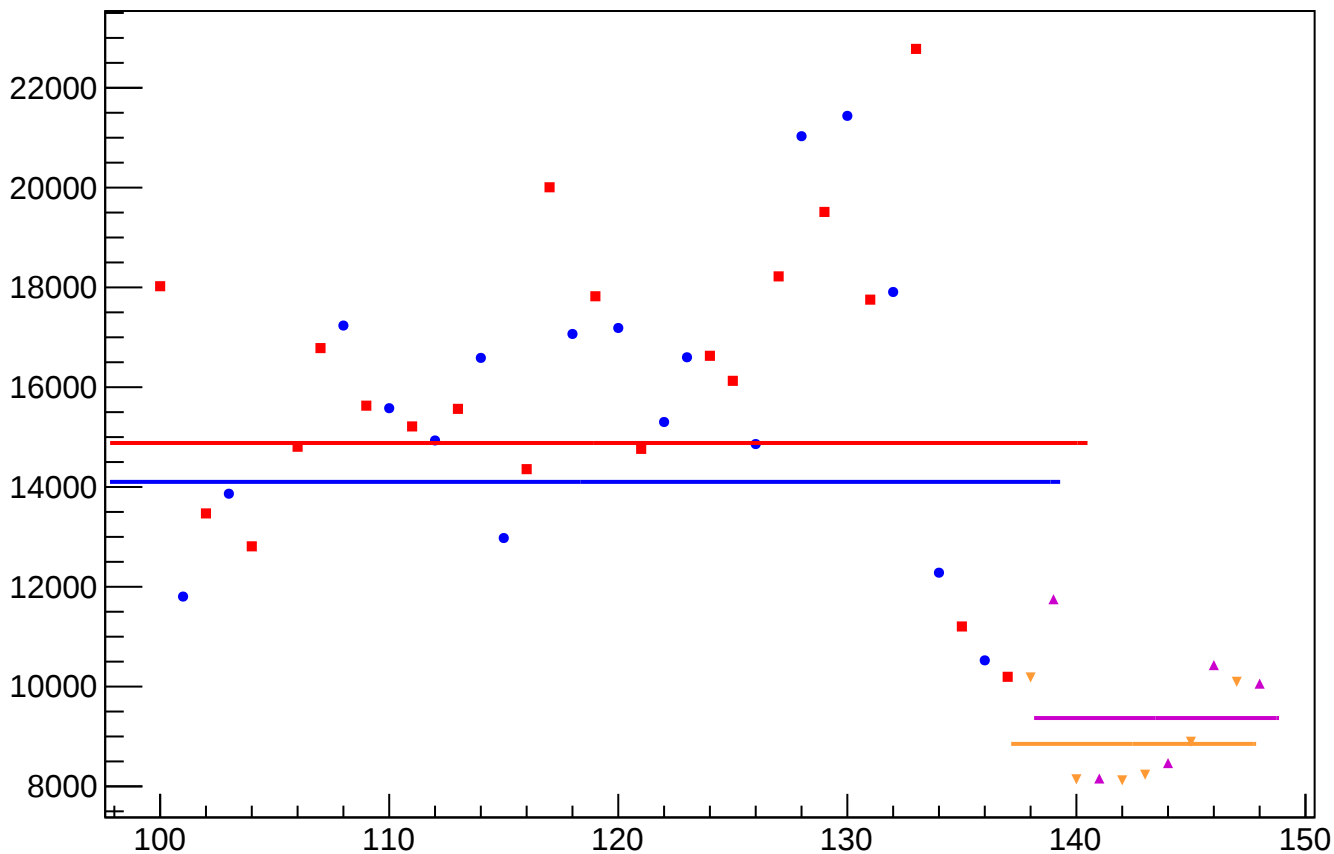
Right Out: -10.992 ± 5.672 $\chi^2/\text{NDF}: 13.8/19$

Left In: -0.205 ± 4.706 $\chi^2/\text{NDF}: 2.4/4$

-10.125 ± 3.453 $\chi^2/\text{NDF}: 39.9/22$

-4.602 ± 3.622 $\chi^2/\text{NDF}: 18.3/24$

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 8851.447+/-3.093 χ^2/NDF : 74675.4/5

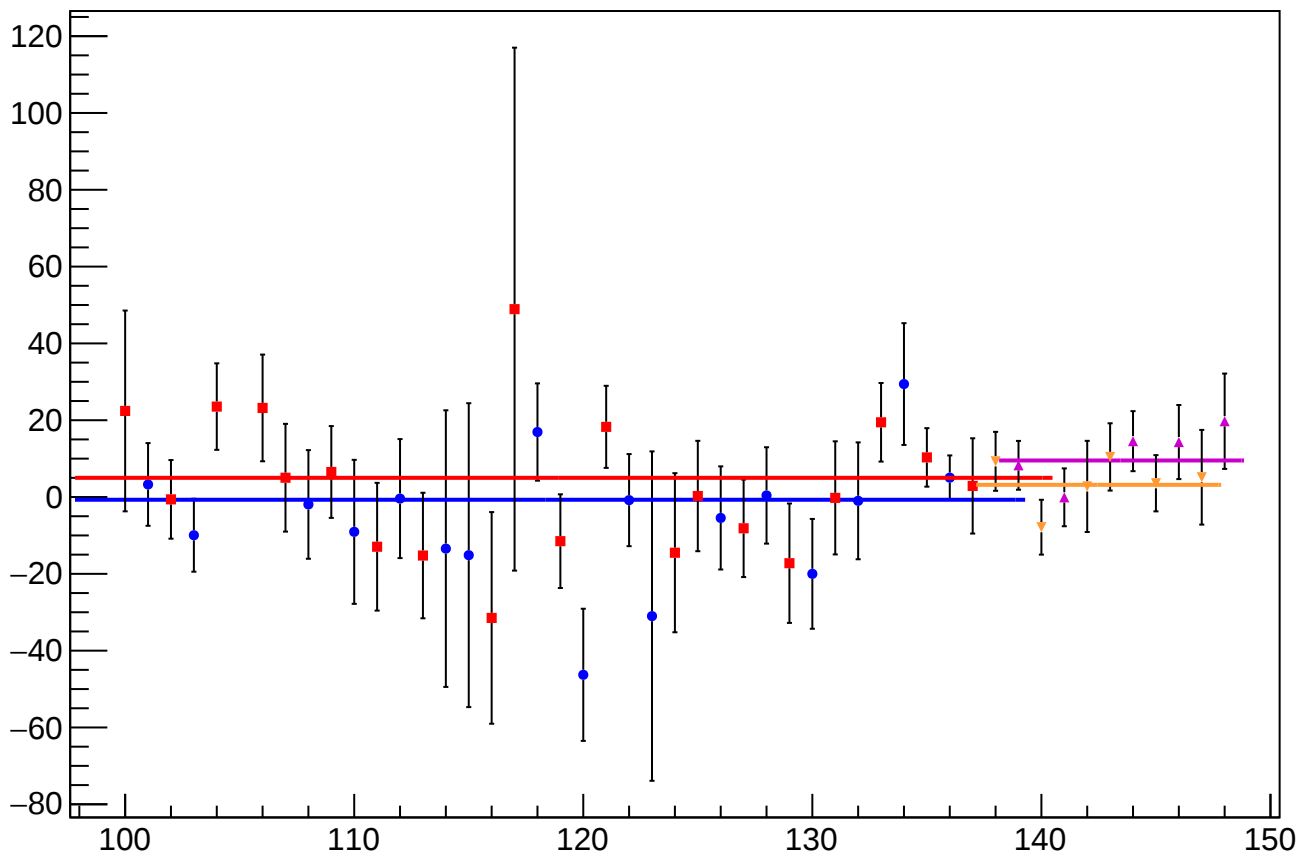
Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

Left In: 9369.648+/-3.327 χ^2/NDF : 140203.5/4

10829.126+/-2.442 χ^2/NDF : 1759261.8/22

11616.780+/-2.561 χ^2/NDF : 1735026.4/24

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 3.177 ± 3.493 χ^2/NDF : 3.7/5

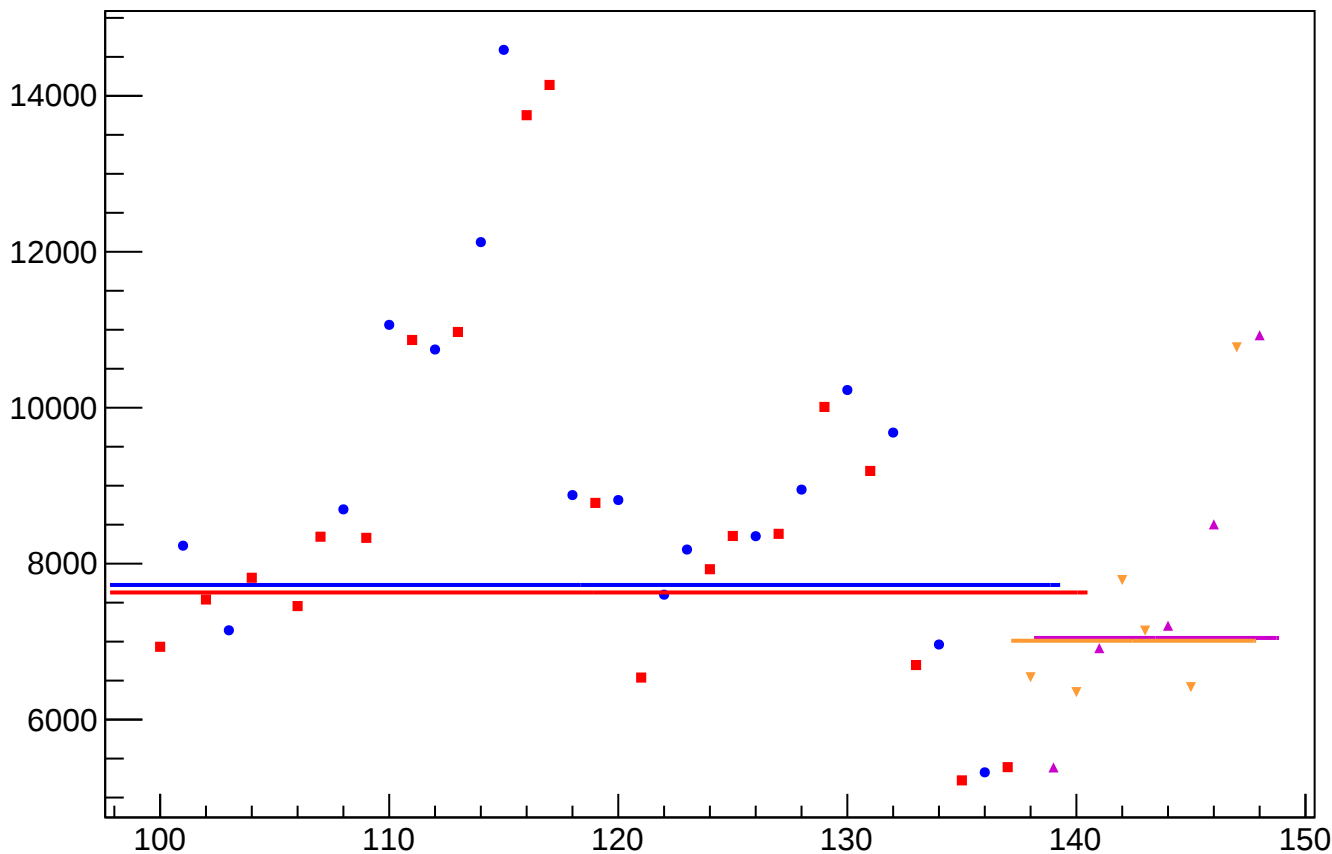
Right Out: 5.000 ± 2.937 χ^2/NDF : 20.2/19

Left In: 9.518 ± 3.627 χ^2/NDF : 3.0/4

0.993 ± 2.312 χ^2/NDF : 22.0/22

6.789 ± 2.282 χ^2/NDF : 24.1/24

diff_bpm4aY_rms vs Slug



Right In: 7726.745+/-2.180 χ^2 /NDF: 742512.8/16

Left Out: 7011.380+/-2.470 χ^2 /NDF:233193.6/5

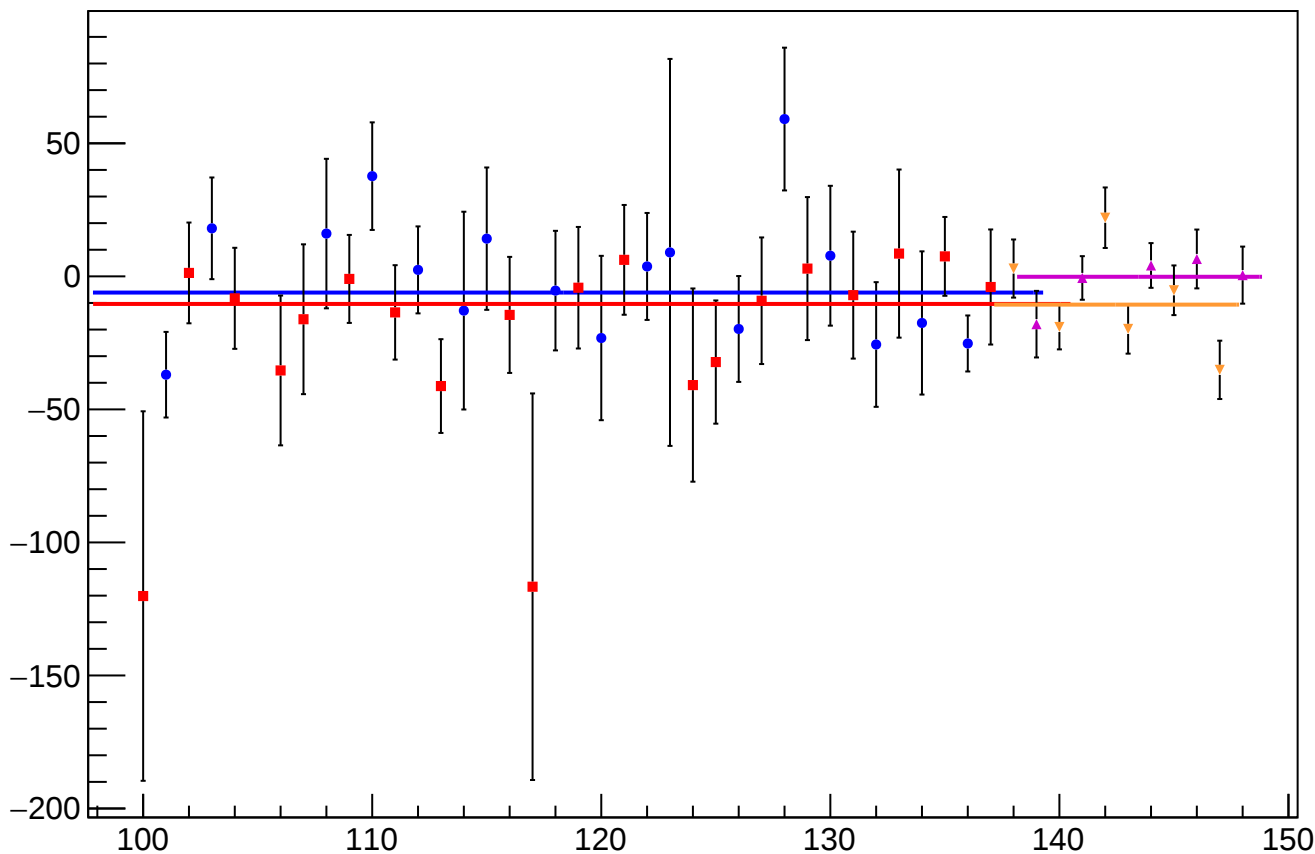
Right Out: 7630.342+/-2.077 χ^2 /NDF: 693444.5/19

Left In: 7047.203+/-2.565 χ^2 /NDF:379359.1/4

7413.461+/-1.635 χ^2 /NDF: 1022848.0/22

7399.443+/-1.614 χ^2 /NDF: 1104026.6/24

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -10.624 ± 4.030 χ^2/NDF : 17.1/5

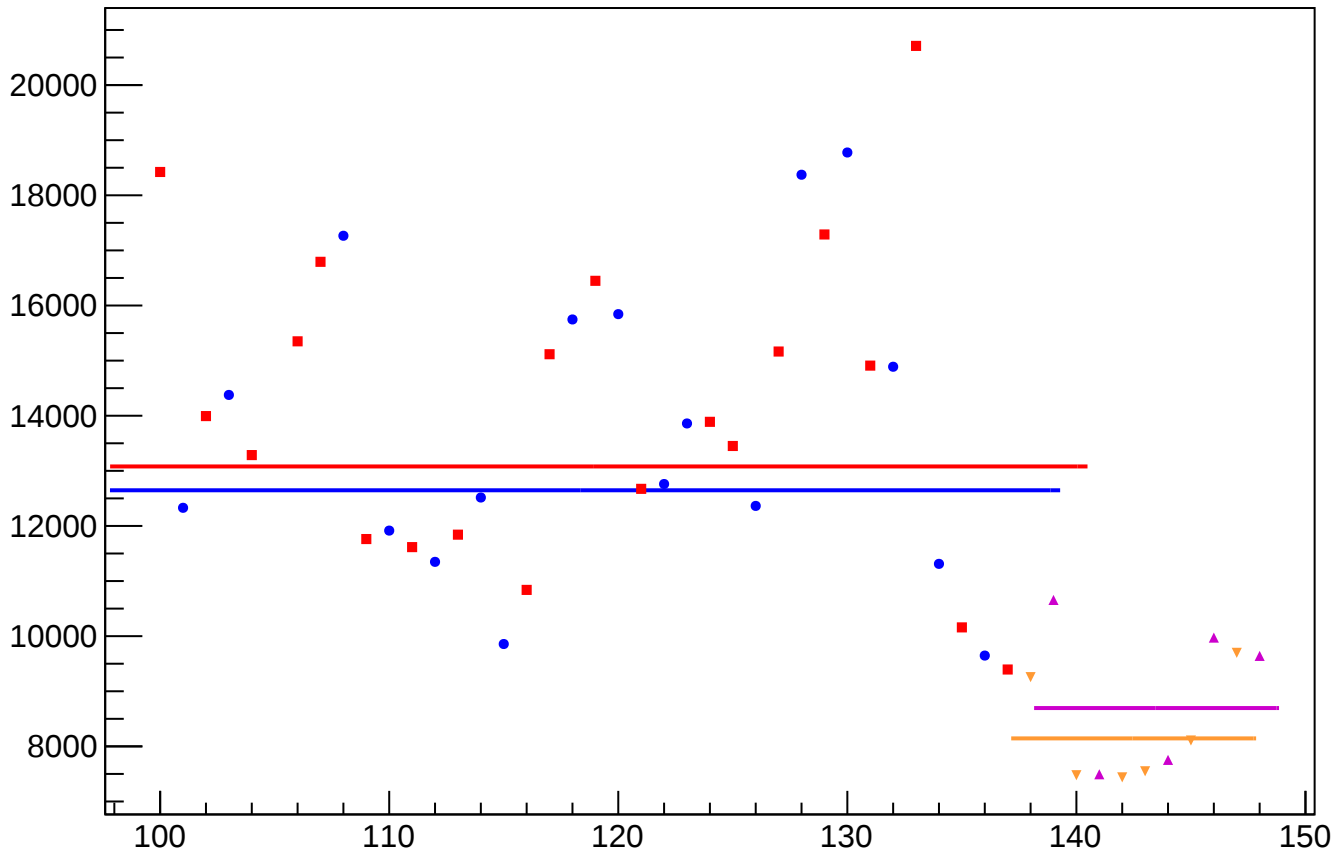
Right Out: -10.369 ± 4.992 χ^2/NDF : 13.8/19

Left In: -0.158 ± 4.372 χ^2/NDF : 2.7/4

-8.854 ± 3.146 χ^2/NDF : 40.5/22

-4.591 ± 3.289 χ^2/NDF : 18.8/24

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8144.844+/-2.849 χ^2/NDF : 89414.1/5

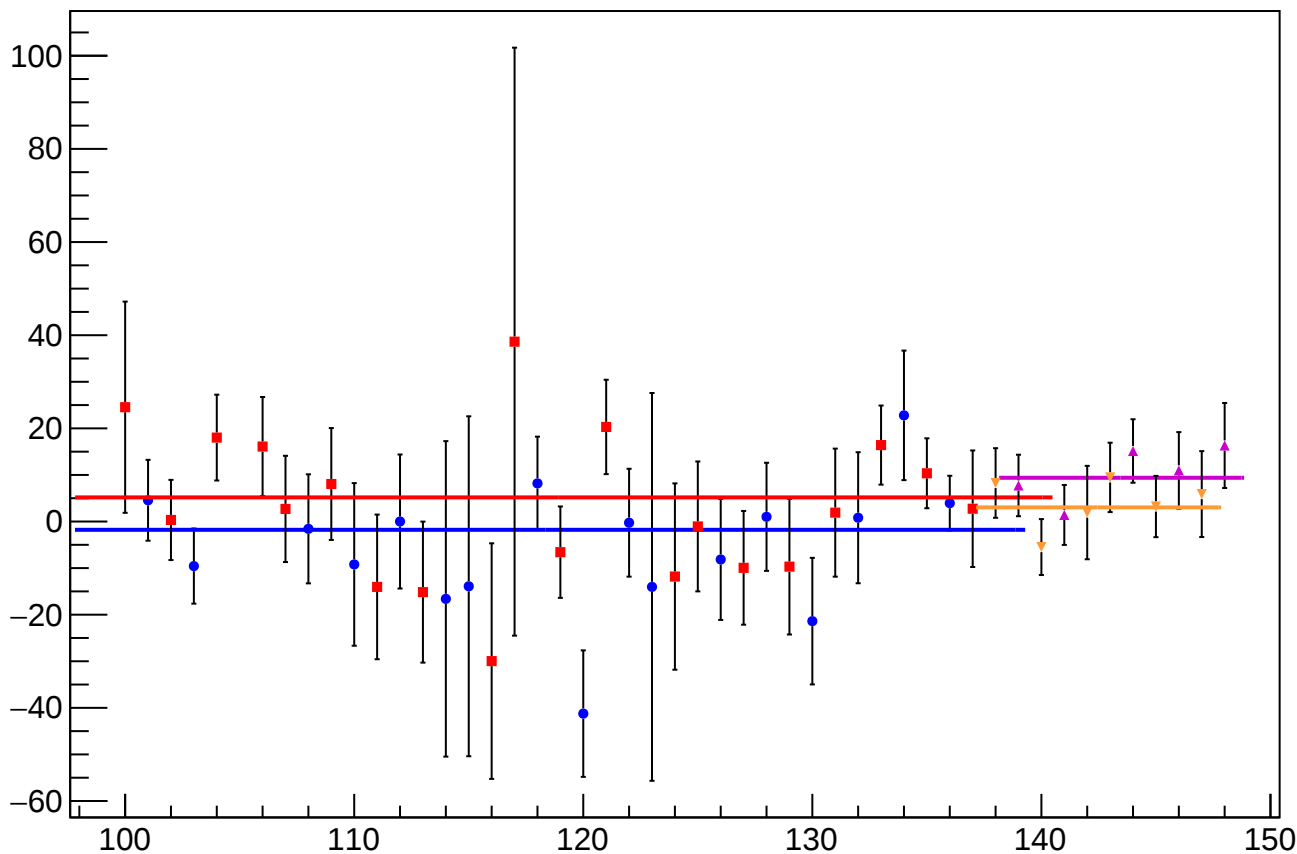
Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

Left In: 8695.421+/-3.092 χ^2/NDF : 159543.8/4

9903.336+/-2.224 χ^2/NDF : 1618889.2/22

10598.653+/-2.326 χ^2/NDF : 1530441.7/24

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 3.038 ± 3.036 $\chi^2/\text{NDF}: 3.4/5$

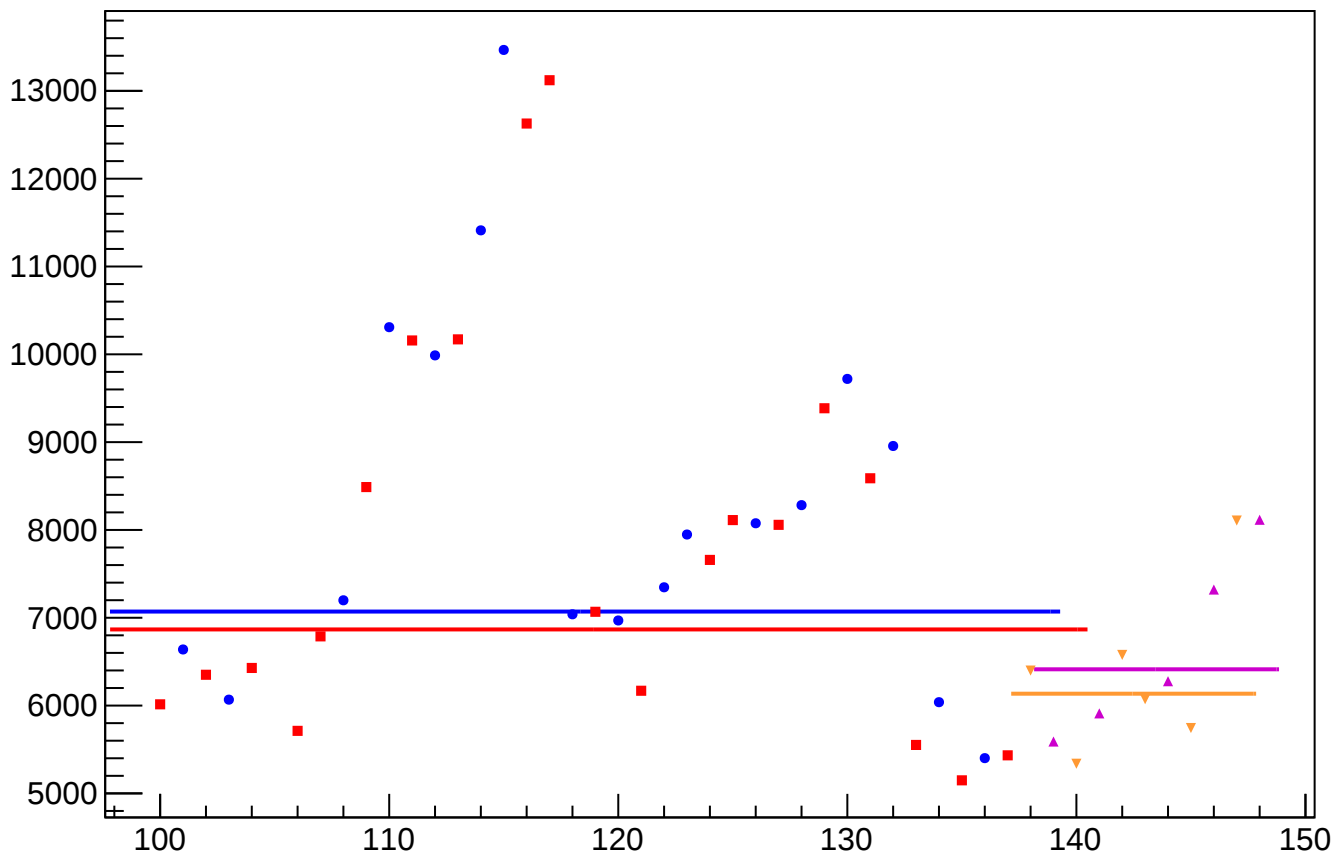
Right Out: 5.181 ± 2.640 $\chi^2/\text{NDF}: 19.2/19$

Left In: 9.394 ± 3.237 $\chi^2/\text{NDF}: 2.9/4$

0.442 ± 2.061 $\chi^2/\text{NDF}: 22.7/22$

6.863 ± 2.046 $\chi^2/\text{NDF}: 23.1/24$

diff_bpm4eY_rms vs Slug



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6135.290 $\pm$ 2.146 χ^2 /NDF: 140349.2/5

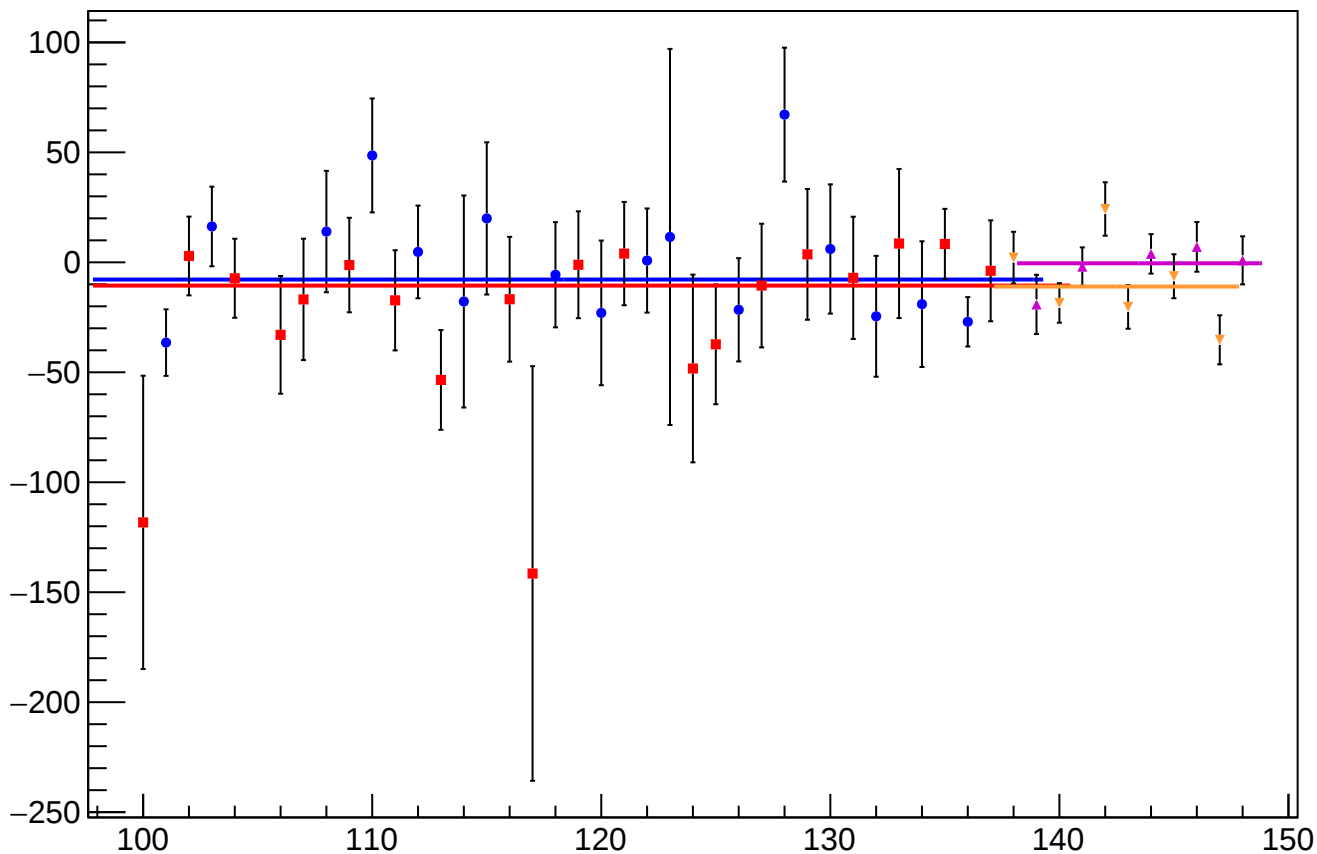
Right Out: 6867.094 $\pm$ 1.866 χ^2 /NDF: 701892.5/19

Left In: 6413.129 $\pm$ 2.289 χ^2 /NDF: 138016.2/4

6639.675 $\pm$ 1.457 χ^2 /NDF: 844446.2/22

6685.823 $\pm$ 1.447 χ^2 /NDF: 863530.5/24

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -11.017 ± 4.278 χ^2/NDF : 16.2/5

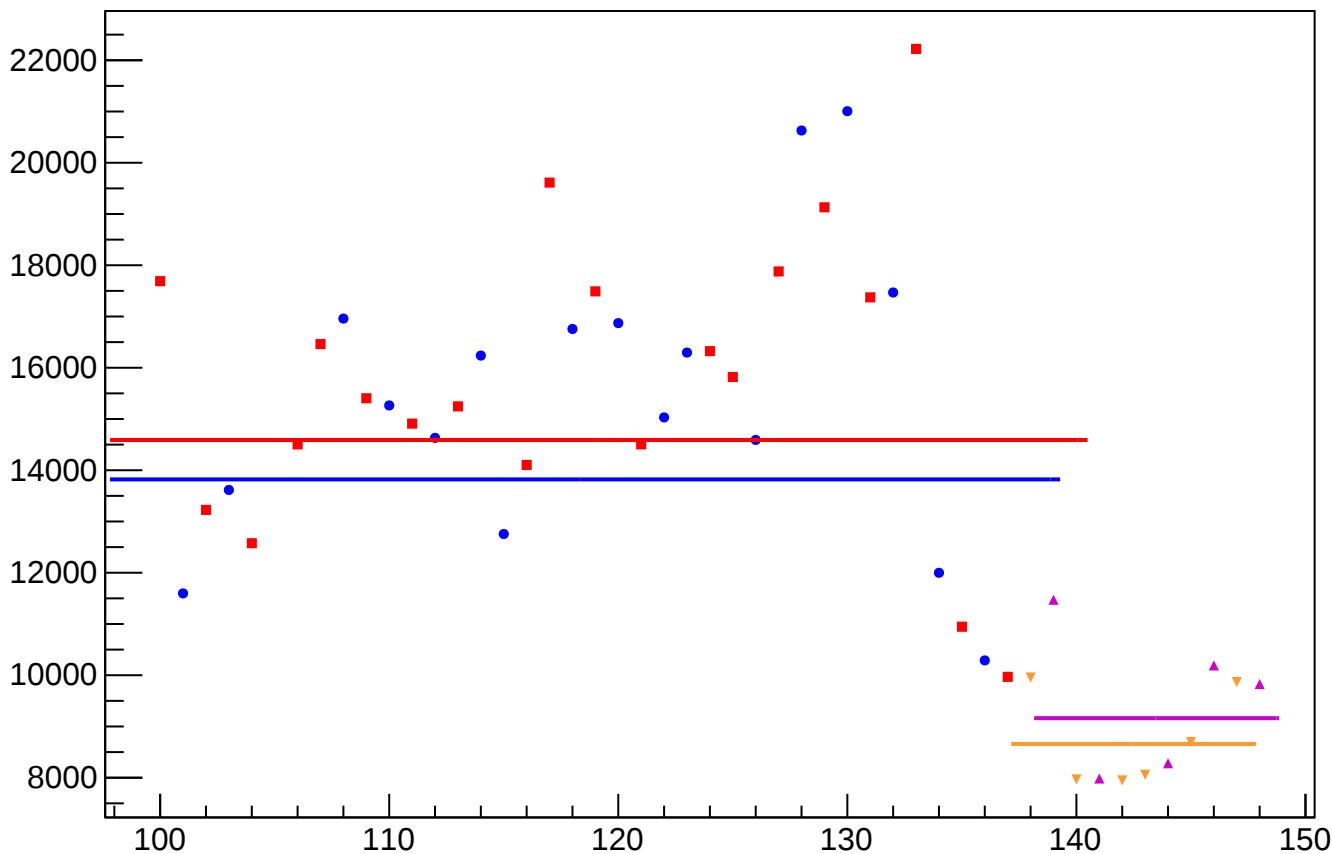
Right Out: -10.574 ± 5.561 χ^2/NDF : 14.1/19

Left In: -0.437 ± 4.601 χ^2/NDF : 2.6/4

-9.818 ± 3.380 χ^2/NDF : 38.6/22

-4.556 ± 3.545 χ^2/NDF : 18.7/24

diff_bpm4acX_rms vs Slug



Right In: 13821.195 ± 3.900 $\chi^2/\text{NDF}: 602672.4/16$

Left Out: 8658.442 ± 3.025 $\chi^2/\text{NDF}: 73867.4/5$

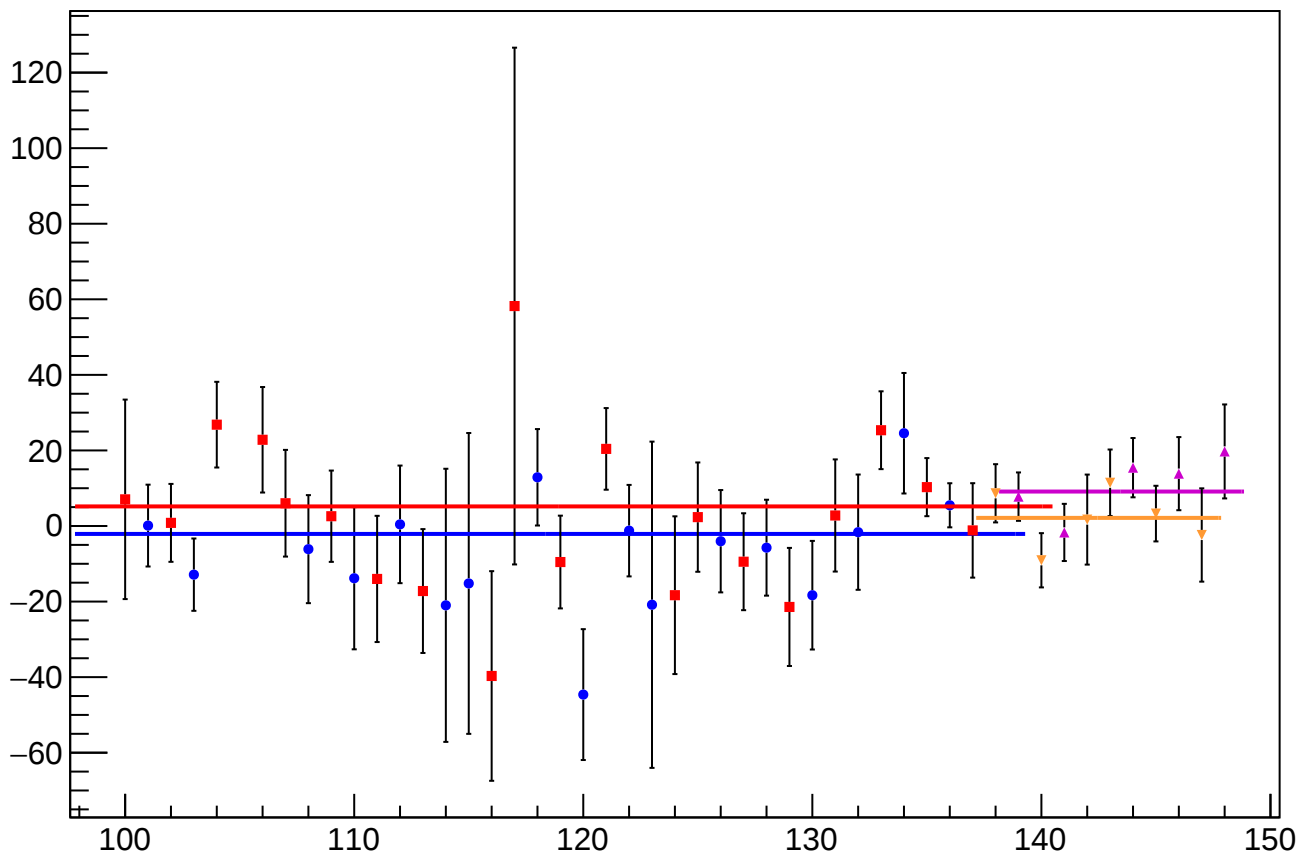
Right Out: 14589.989 ± 3.933 $\chi^2/\text{NDF}: 478169.1/19$

Left In: 9162.133 ± 3.253 $\chi^2/\text{NDF}: 138469.0/4$

10597.597 ± 2.390 $\chi^2/\text{NDF}: 1770602.3/22$

11367.450 ± 2.507 $\chi^2/\text{NDF}: 1747681.2/24$

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 2.148 ± 3.509 $\chi^2/\text{NDF}: 4.4/5$

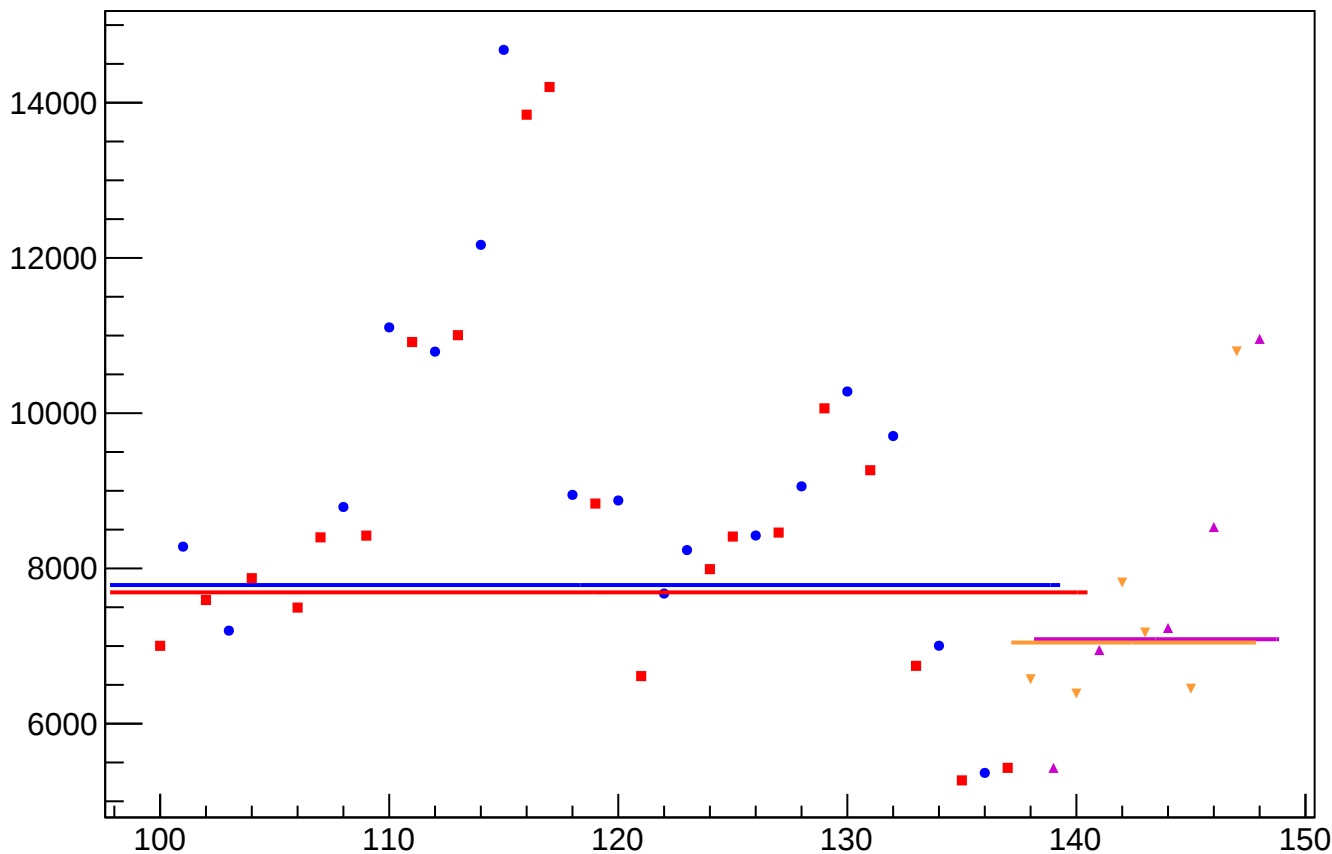
Right Out: 5.184 ± 2.959 $\chi^2/\text{NDF}: 25.4/19$

Left In: 9.119 ± 3.646 $\chi^2/\text{NDF}: 3.7/4$

-0.232 ± 2.326 $\chi^2/\text{NDF}: 20.9/22$

6.747 ± 2.298 $\chi^2/\text{NDF}: 29.8/24$

diff_bpm4acY_rms vs Slug



Right In: 7785.931 $\pm$ 2.197 χ^2/NDF : 738101.9/16

Left Out: 7045.368 $\pm$ 2.482 χ^2/NDF : 230719.0/5

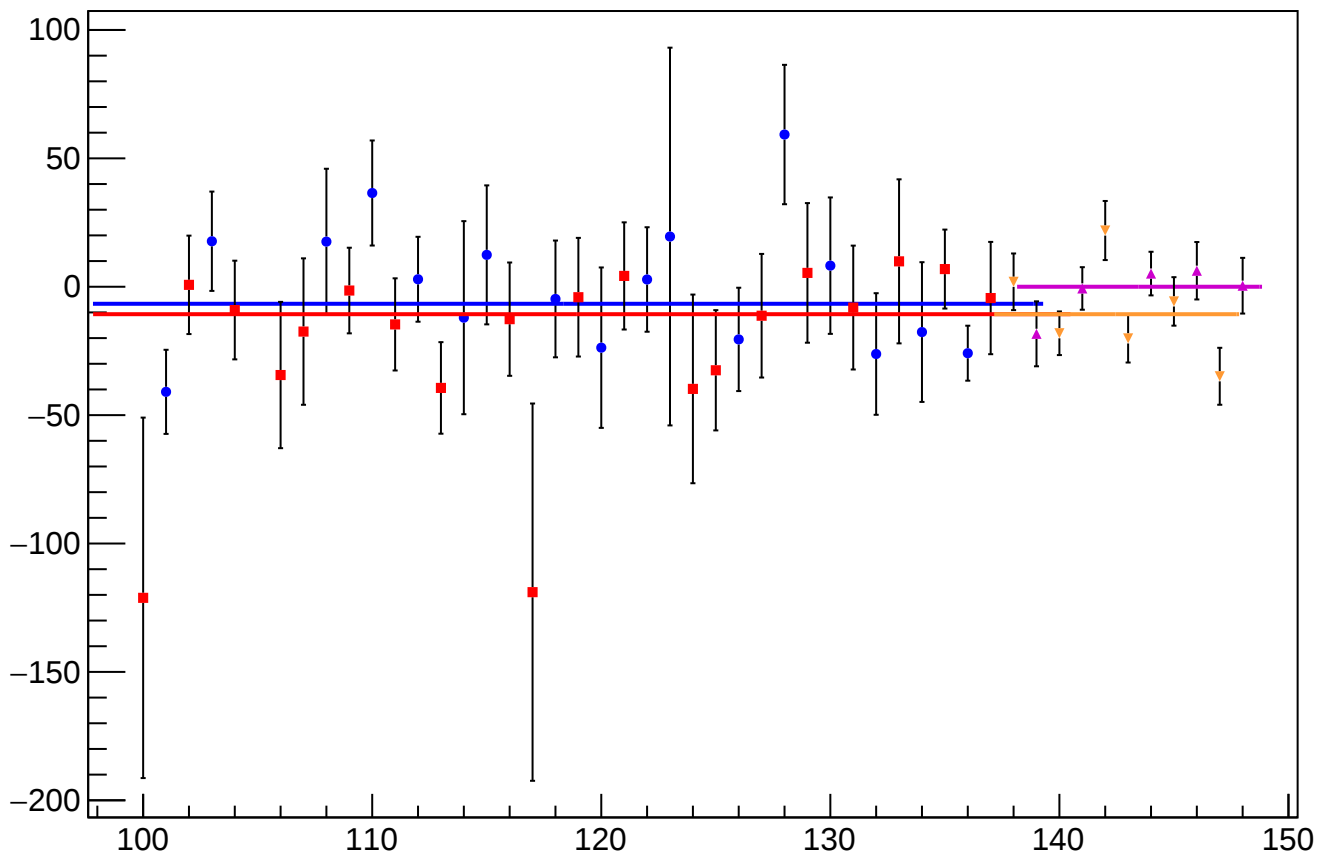
Right Out: 7691.398 $\pm$ 2.093 χ^2/NDF : 686898.9/19

Left In: 7087.785 $\pm$ 2.578 χ^2/NDF : 373465.4/4

7460.584 $\pm$ 1.645 χ^2/NDF : 1018755.7/22

7451.663 $\pm$ 1.625 χ^2/NDF : 1093409.3/24

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -10.694 ± 4.073 $\chi^2/\text{NDF}: 16.1/5$

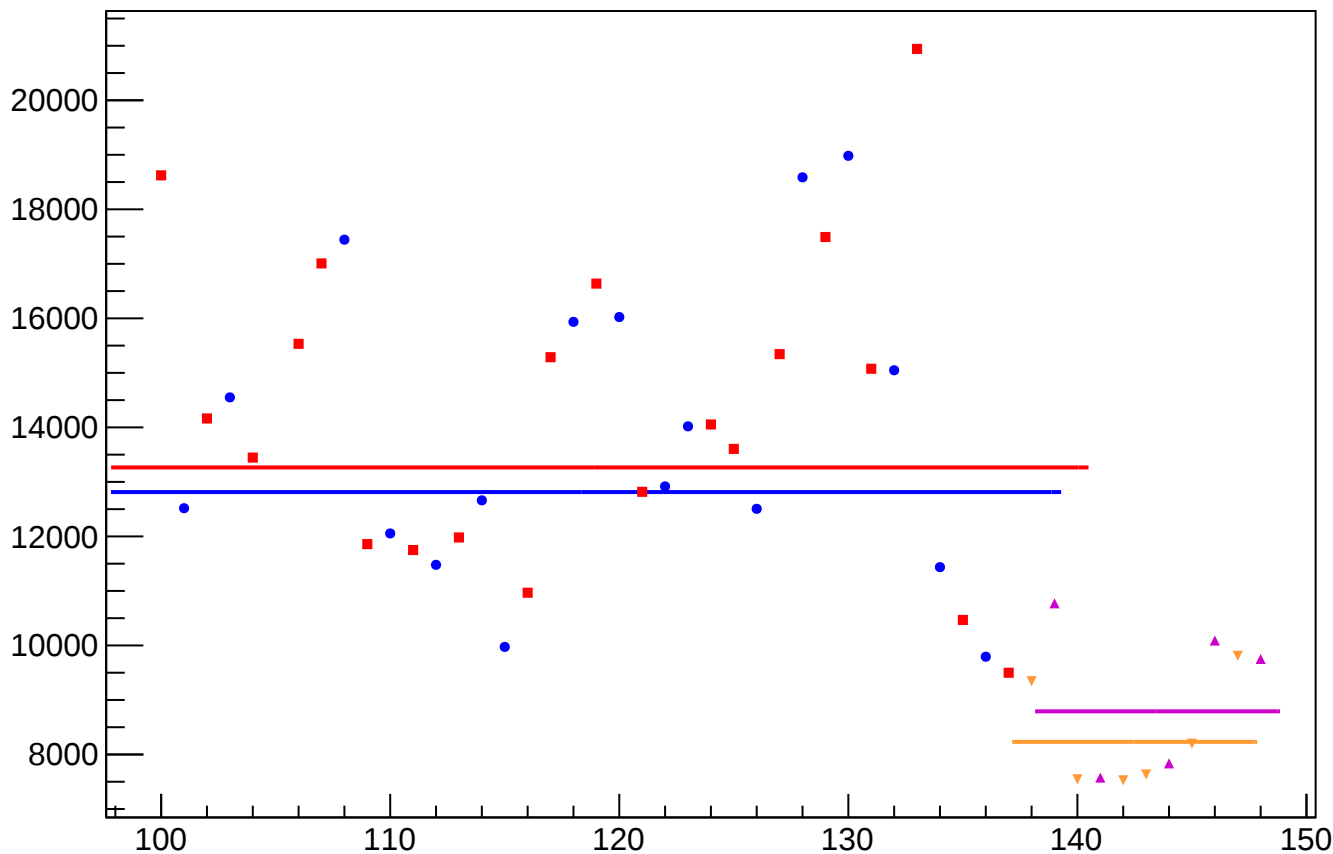
Right Out: -10.688 ± 5.063 $\chi^2/\text{NDF}: 13.0/19$

Left In: 0.001 ± 4.420 $\chi^2/\text{NDF}: 2.8/4$

-9.114 ± 3.183 $\chi^2/\text{NDF}: 39.9/22$

-4.623 ± 3.330 $\chi^2/\text{NDF}: 18.3/24$

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8231.619+/-2.880 χ^2/NDF : 89595.1/5

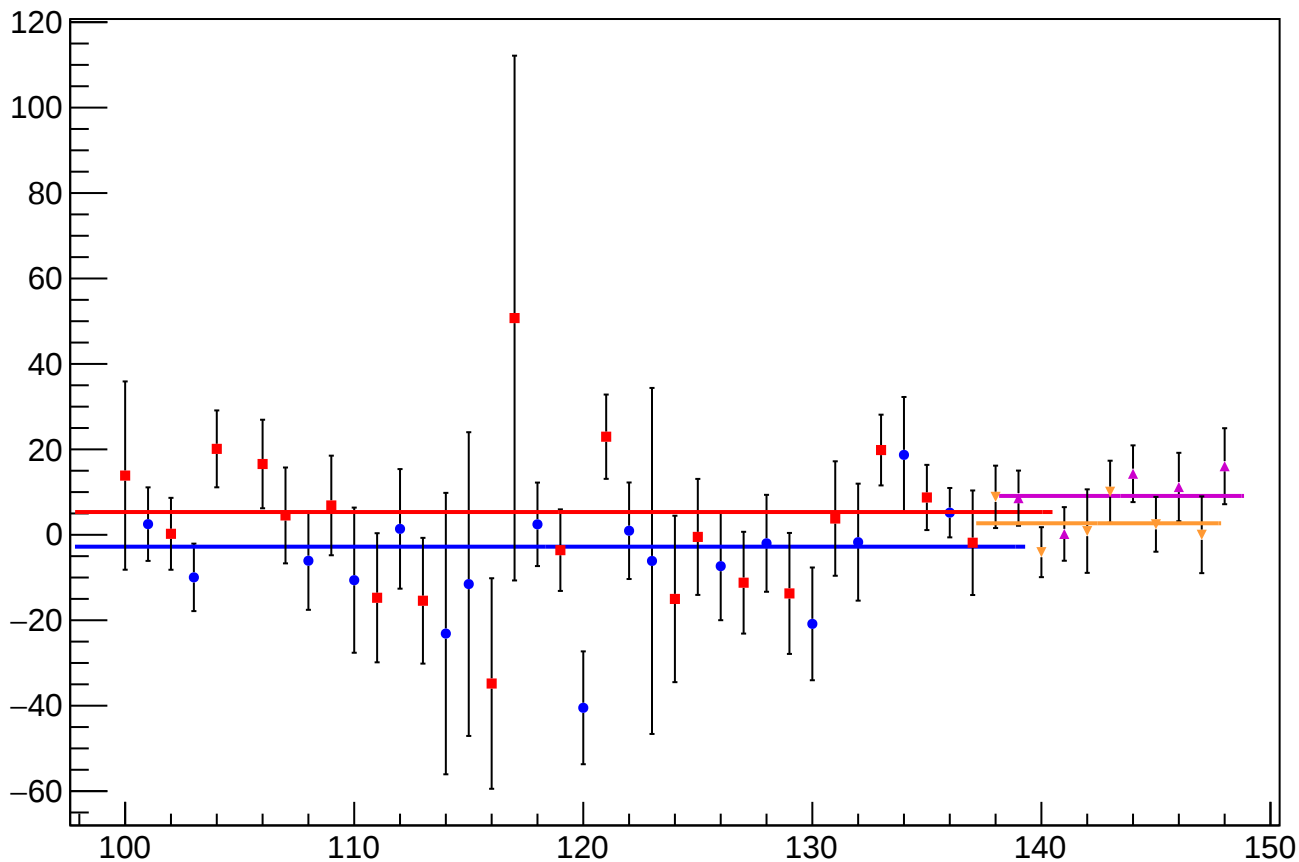
Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

Left In: 8791.366+/-3.126 χ^2/NDF : 160019.1/4

10015.296+/-2.251 χ^2/NDF : 1623190.7/22

10726.642+/-2.355 χ^2/NDF : 1532016.4/24

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 2.699 ± 2.961 $\chi^2/\text{NDF}: 3.2/5$

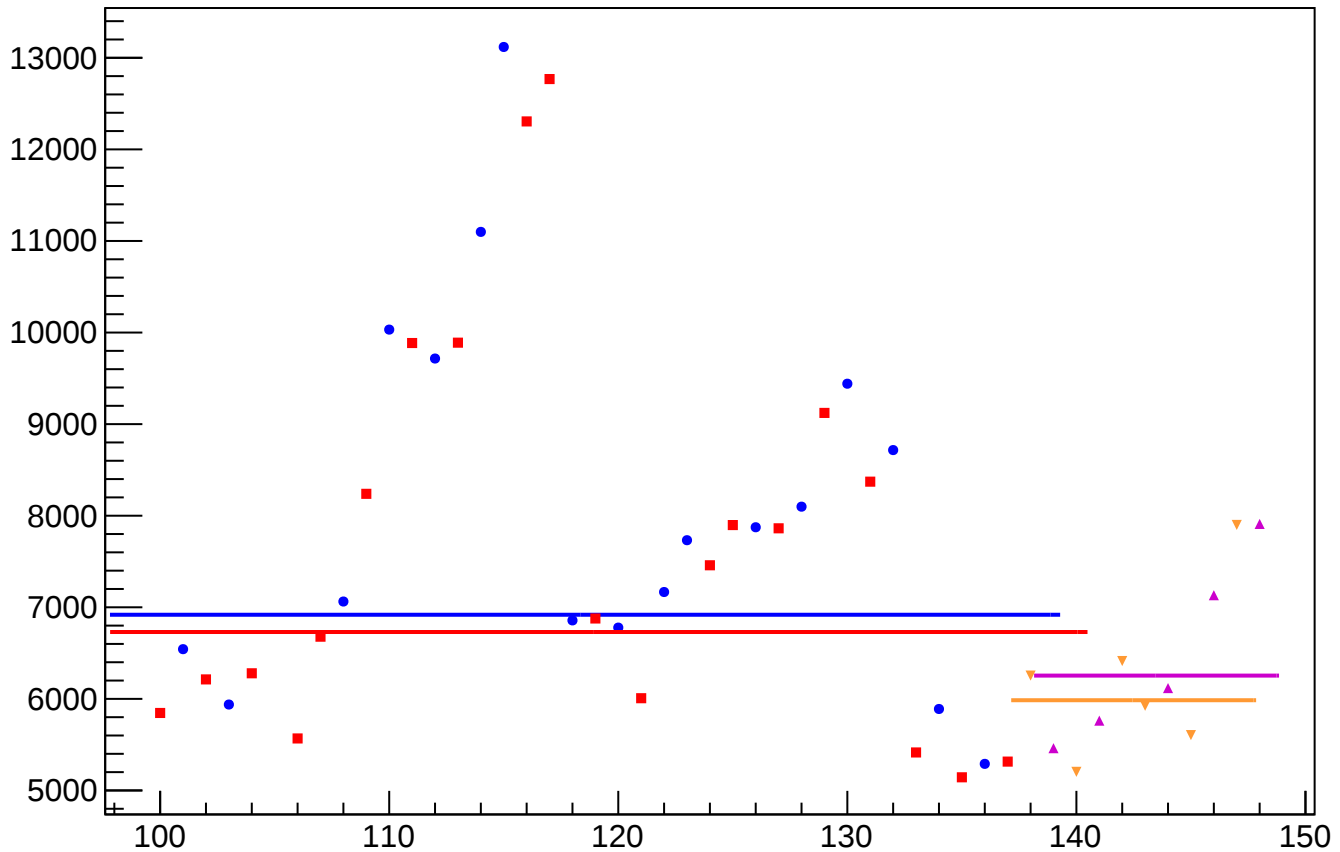
Right Out: 5.332 ± 2.587 $\chi^2/\text{NDF}: 24.1/19$

Left In: 9.099 ± 3.157 $\chi^2/\text{NDF}: 3.3/4$

-0.245 ± 2.014 $\chi^2/\text{NDF}: 22.1/22$

6.846 ± 2.001 $\chi^2/\text{NDF}: 28.2/24$

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 5985.228+/-2.094 χ^2/NDF : 140232.6/5

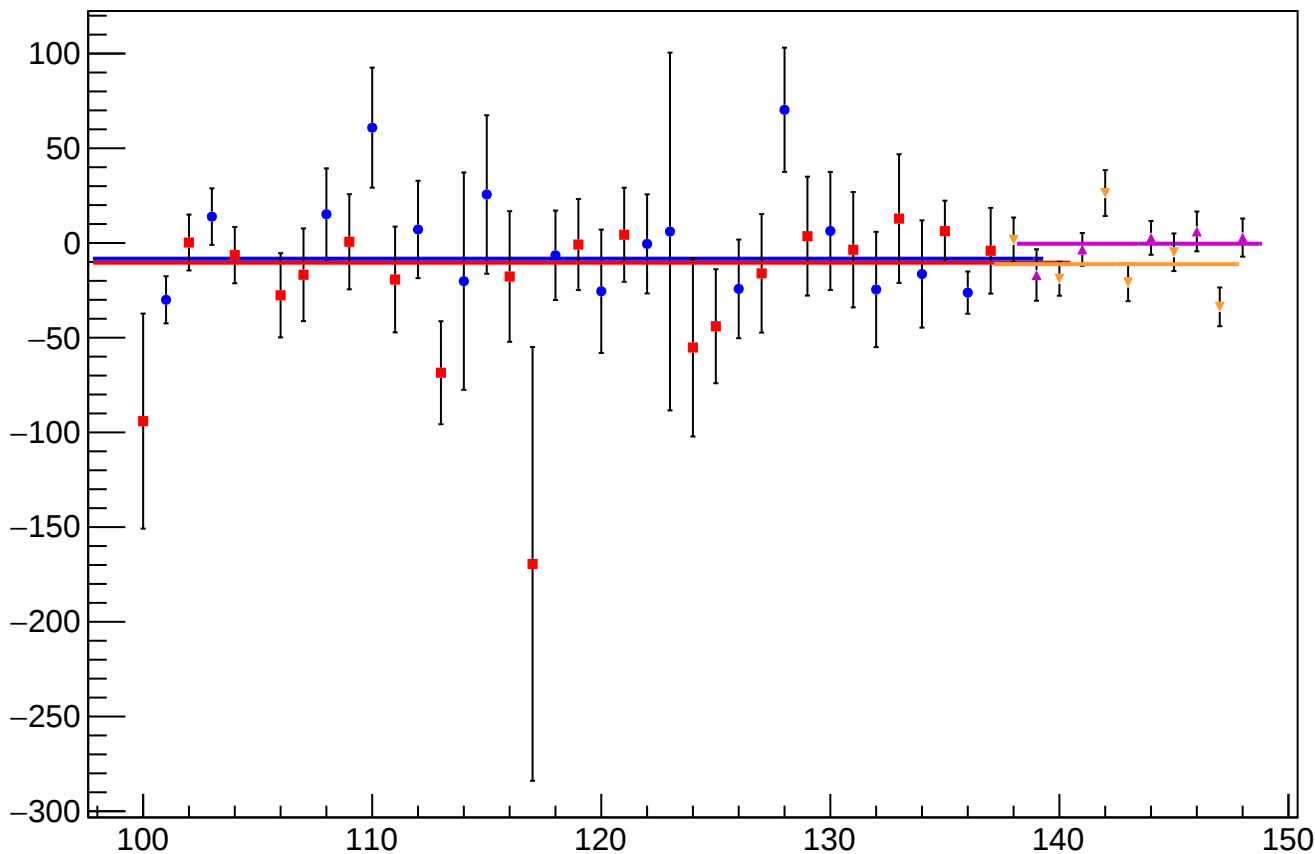
Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

Left In: 6254.196+/-2.232 χ^2/NDF : 136676.6/4

6486.839+/-1.424 χ^2/NDF : 834991.9/22

6538.908+/-1.415 χ^2/NDF : 837061.3/24

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -11.164 ± 4.212 χ^2/NDF : 17.7/5

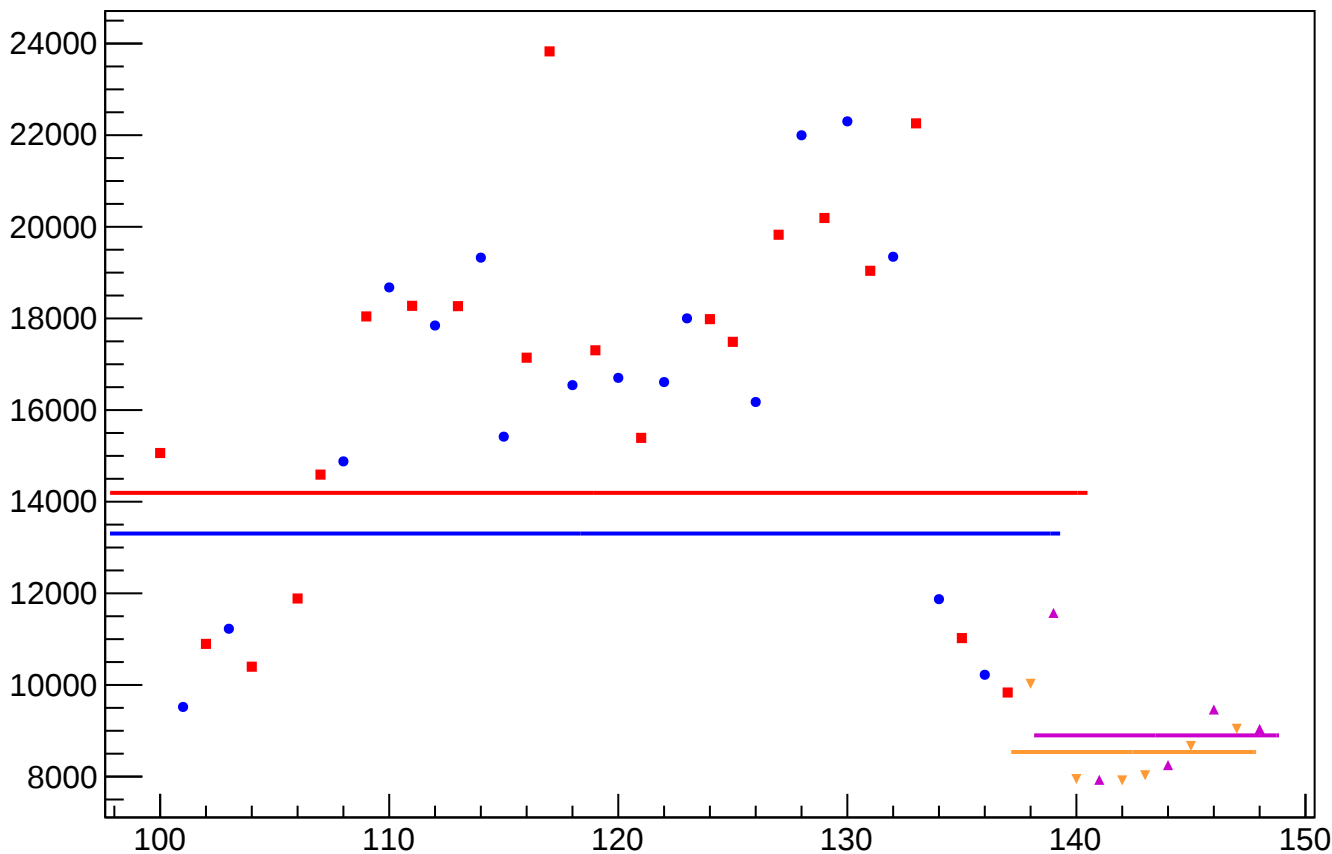
Right Out: -10.376 ± 5.507 χ^2/NDF : 14.8/19

Left In: -0.381 ± 4.464 χ^2/NDF : 2.2/4

-10.078 ± 3.323 χ^2/NDF : 39.6/22

-4.345 ± 3.468 χ^2/NDF : 19.0/24

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8537.140+/-2.978 χ^2/NDF : 56106.4/5

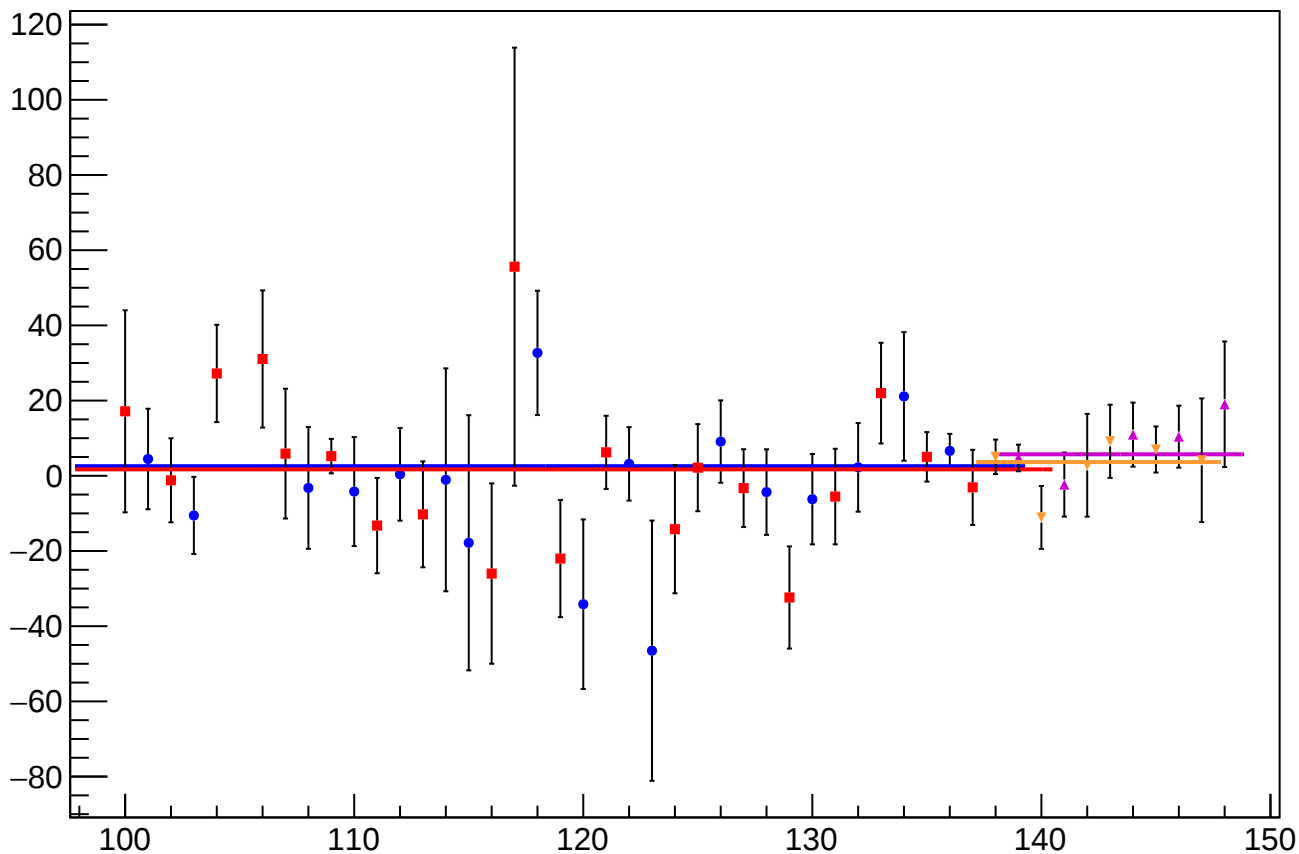
10336.496+/-2.350 χ^2/NDF : 2067521.4/22

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

10998.932+/-2.452 χ^2/NDF : 2179042.2/24

Left In: 8899.673+/-3.157 χ^2/NDF : 119118.5/4

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 3.662 ± 3.040 $\chi^2/\text{NDF}: 3.8/5$

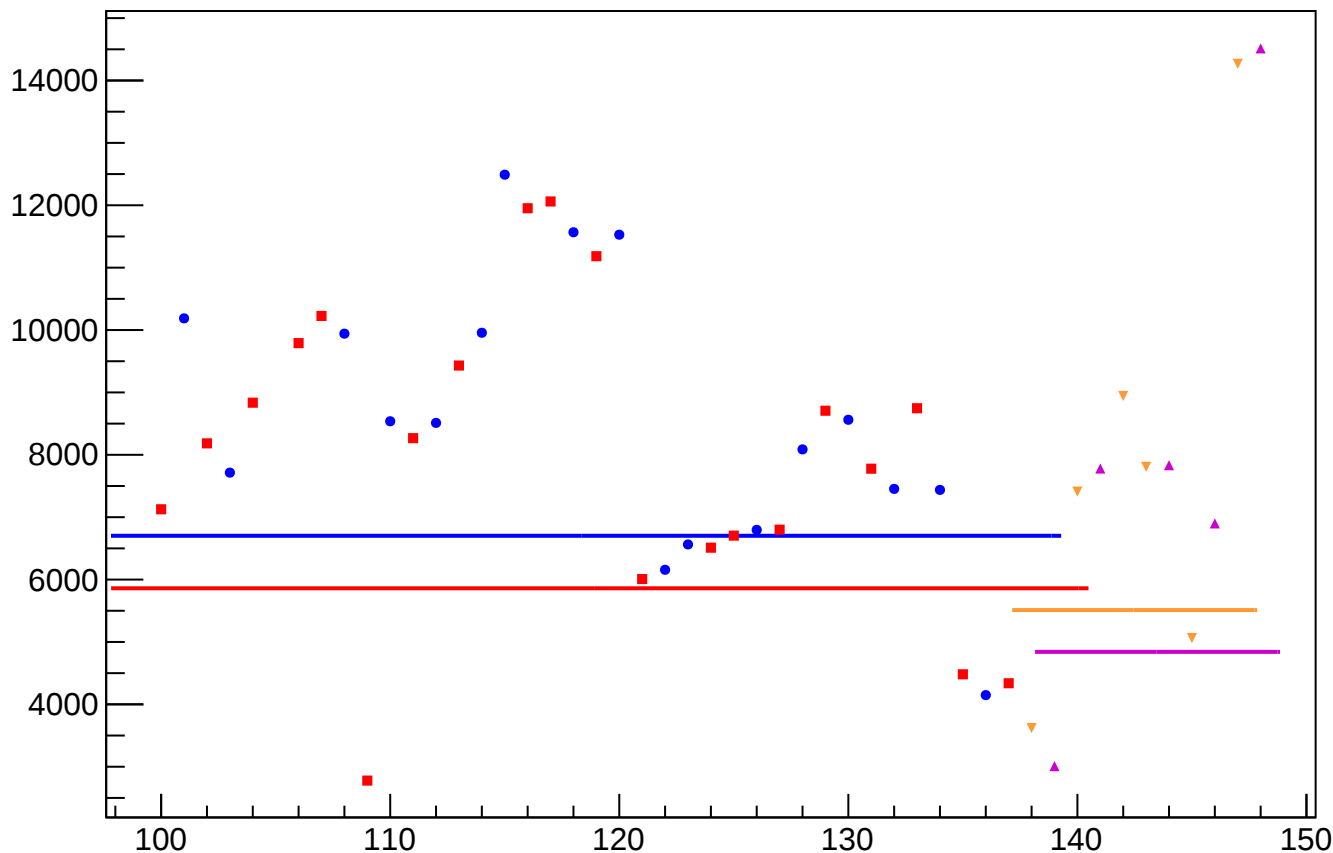
Right Out: 1.708 ± 2.440 $\chi^2/\text{NDF}: 24.9/19$

Left In: 5.717 ± 2.818 $\chi^2/\text{NDF}: 2.3/4$

3.053 ± 2.042 $\chi^2/\text{NDF}: 17.5/22$

3.426 ± 1.845 $\chi^2/\text{NDF}: 28.3/24$

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5510.841+/-2.150 χ^2/NDF :1259367.1/5

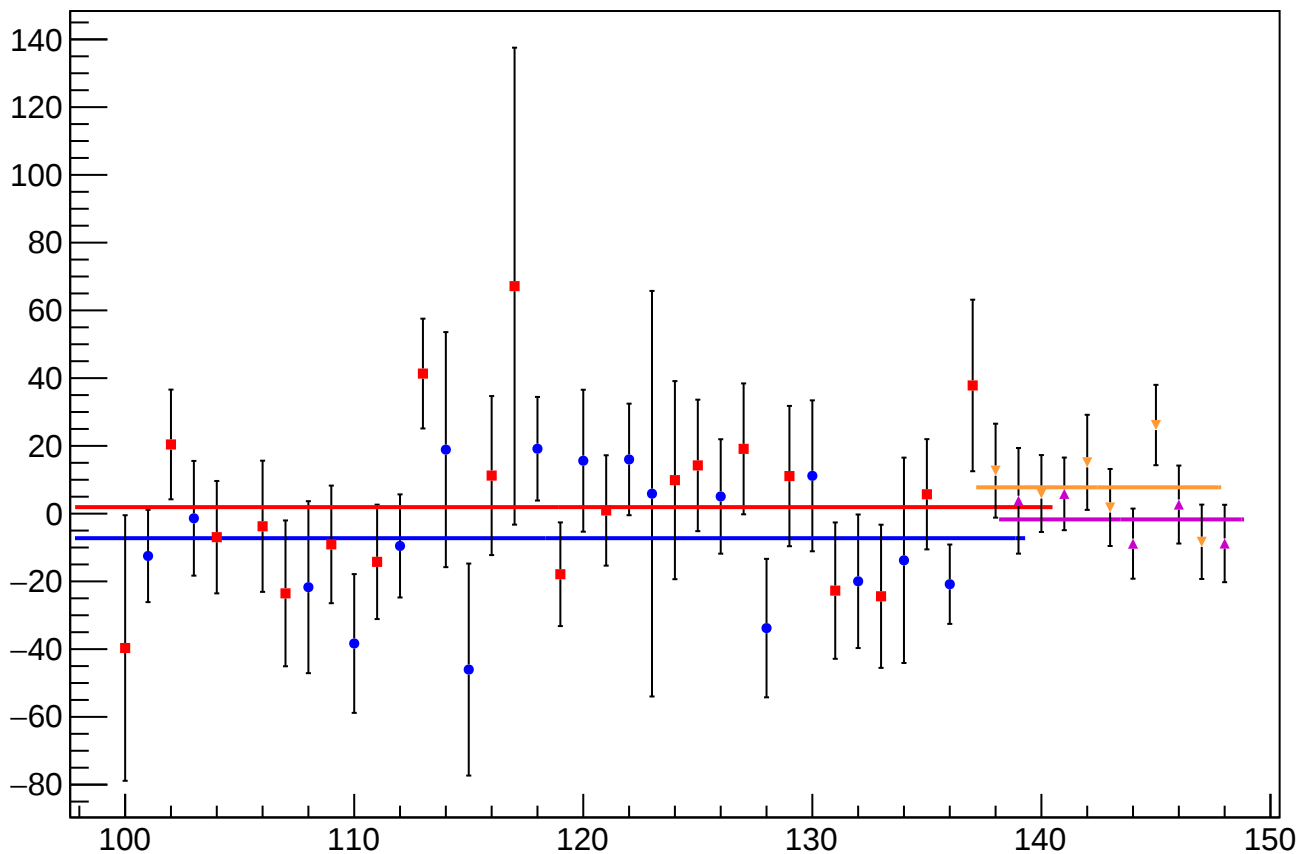
Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

Left In: 4841.449+/-1.993 χ^2/NDF :1817376.5/4

6164.627+/-1.444 χ^2/NDF : 2817883.7/22

5423.828+/-1.304 χ^2/NDF : 4268008.5/24

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 7.769 ± 4.928 $\chi^2/\text{NDF}: 5.3/5$

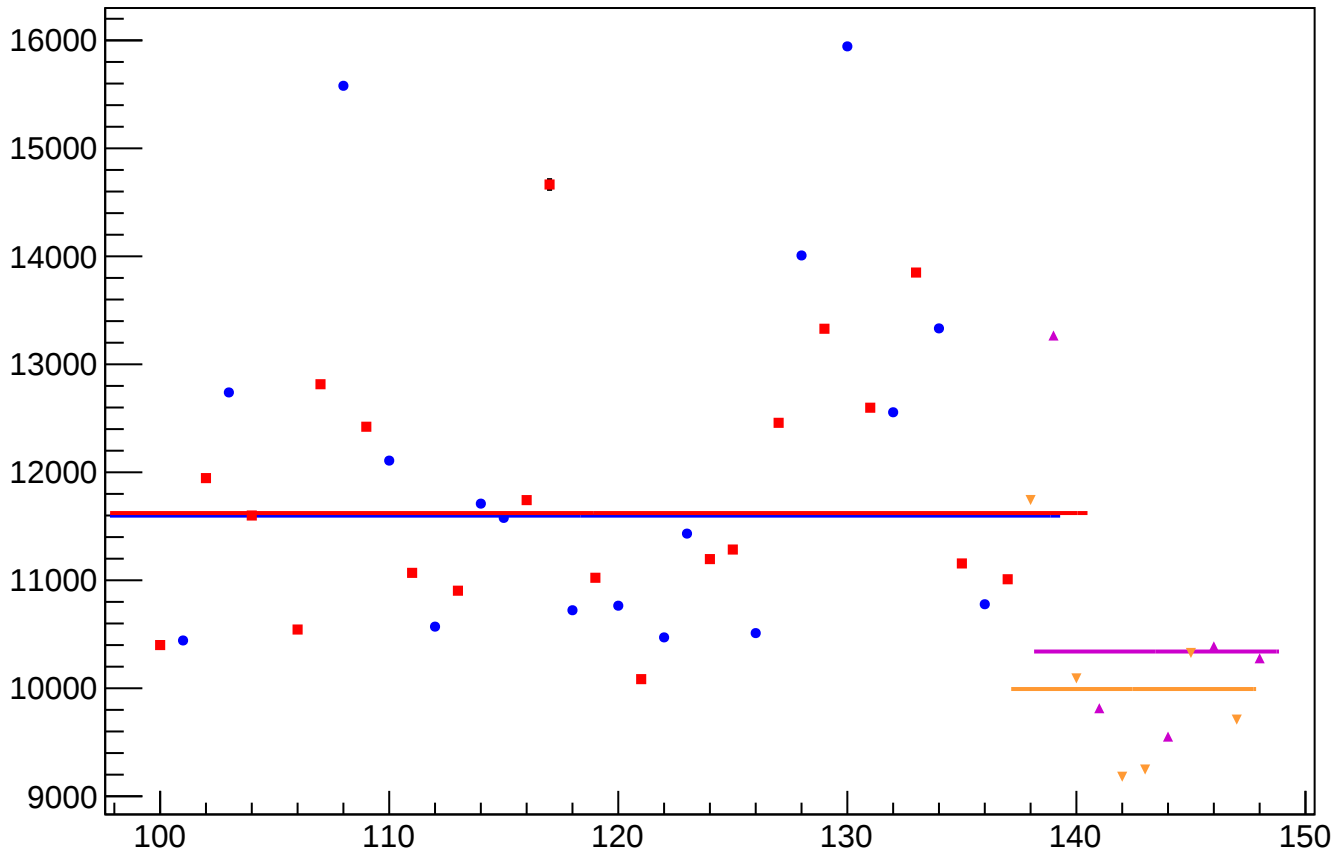
Right Out: 1.922 ± 4.365 $\chi^2/\text{NDF}: 20.7/19$

Left In: -1.703 ± 5.174 $\chi^2/\text{NDF}: 1.6/4$

-0.340 ± 3.342 $\chi^2/\text{NDF}: 26.2/22$

0.415 ± 3.336 $\chi^2/\text{NDF}: 22.6/24$

diff_bpm11X_rms vs Slug



Right In: 11598.751 ± 3.215 χ^2/NDF : 235423.8/16

Left Out: 9993.079 ± 3.484 χ^2/NDF : 50237.5/5

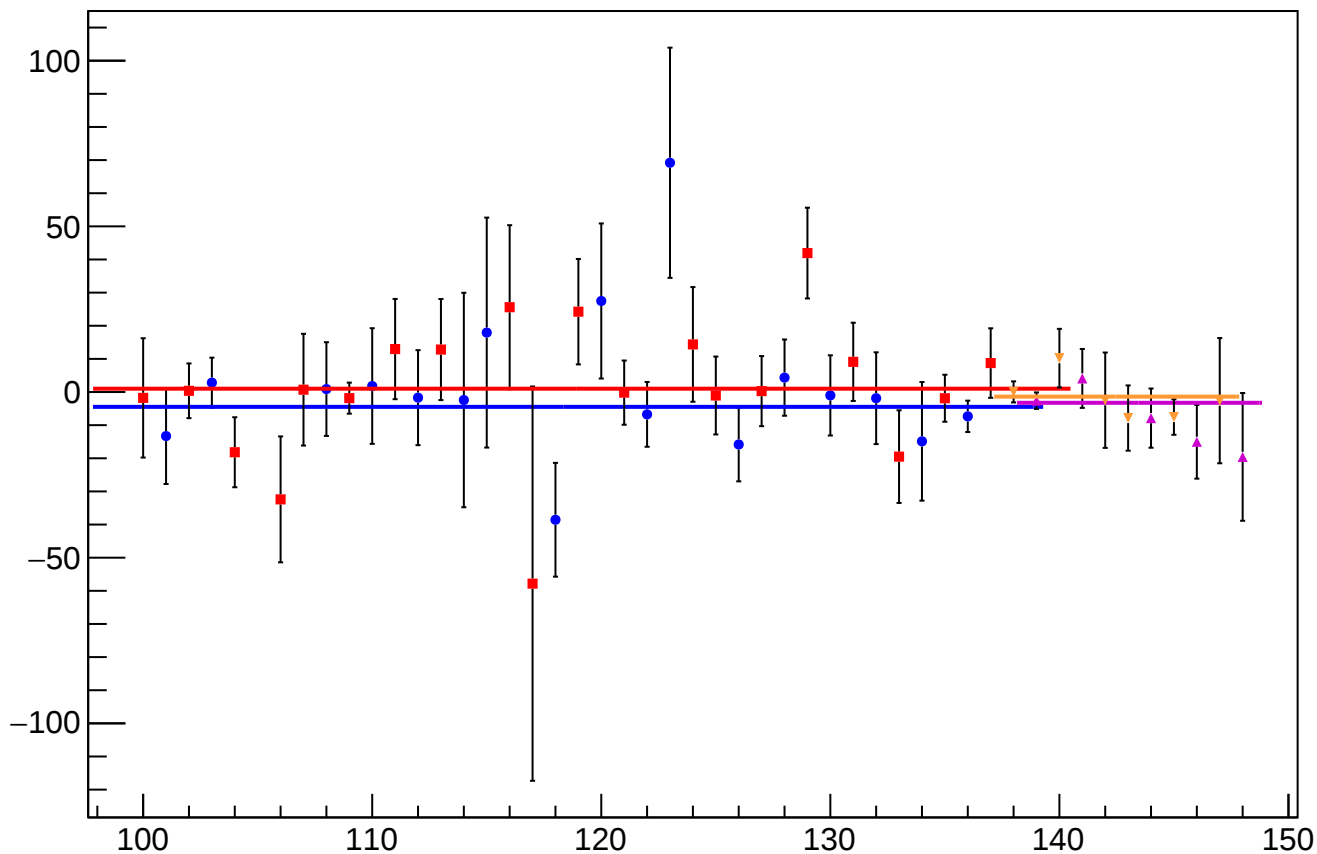
Right Out: 11622.681 ± 3.086 χ^2/NDF : 98197.0/19

Left In: 10340.337 ± 3.659 χ^2/NDF : 86927.0/4

10860.317 ± 2.363 χ^2/NDF : 400361.1/22

11089.548 ± 2.359 χ^2/NDF : 256900.2/24

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -1.389 ± 2.464 χ^2/NDF : 3.7/5

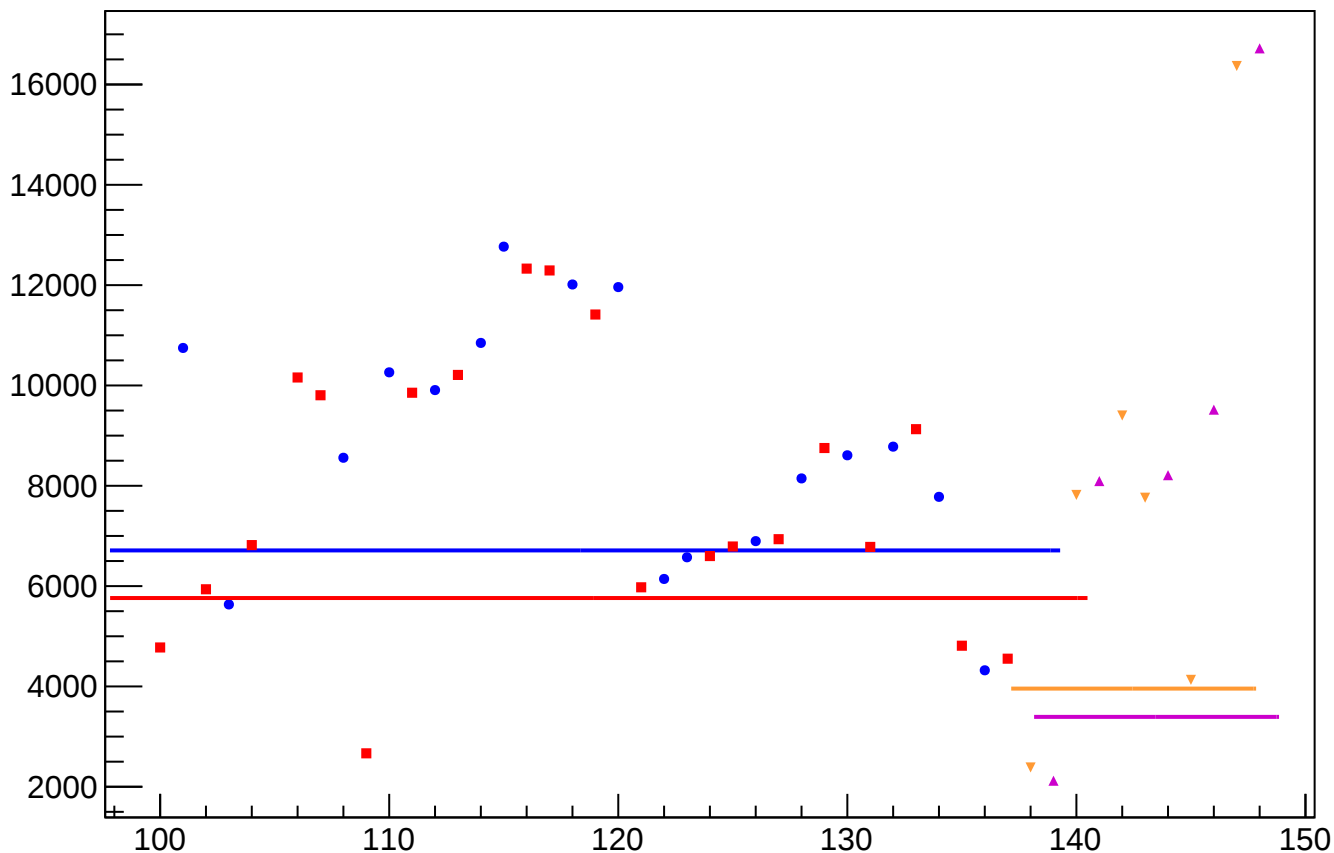
Right Out: 1.007 ± 2.427 χ^2/NDF : 25.0/19

Left In: -3.251 ± 2.253 χ^2/NDF : 2.9/4

-2.746 ± 1.845 χ^2/NDF : 19.2/22

-1.280 ± 1.651 χ^2/NDF : 29.5/24

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 3956.927+/-1.743 χ^2/NDF : 2320340.8/5

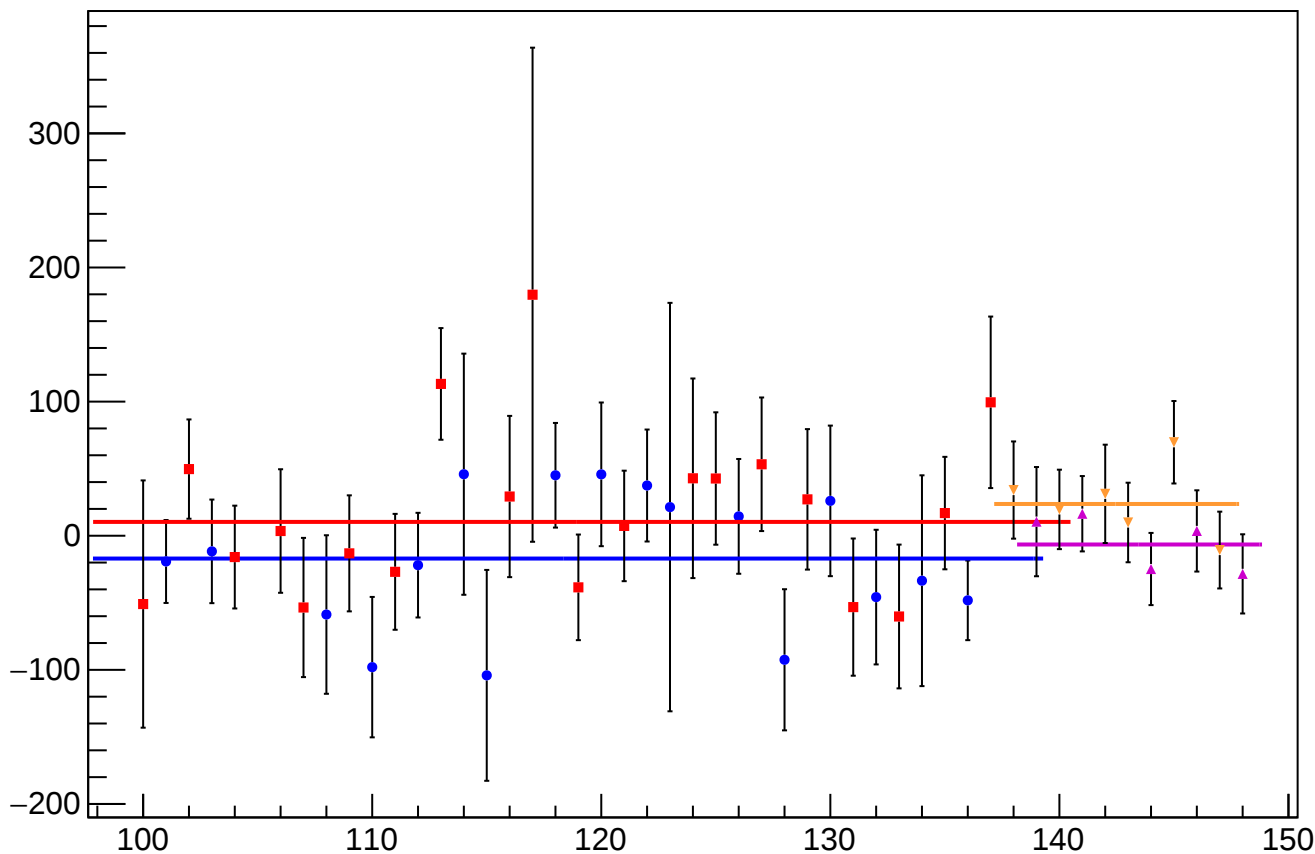
Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

Left In: 3393.205+/-1.593 χ^2/NDF : 3223643.6/4

5168.262+/-1.304 χ^2/NDF : 4866118.6/22

4489.603+/-1.167 χ^2/NDF : 6436797.1/24

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 23.679 ± 12.846 χ^2/NDF : 4.0/5

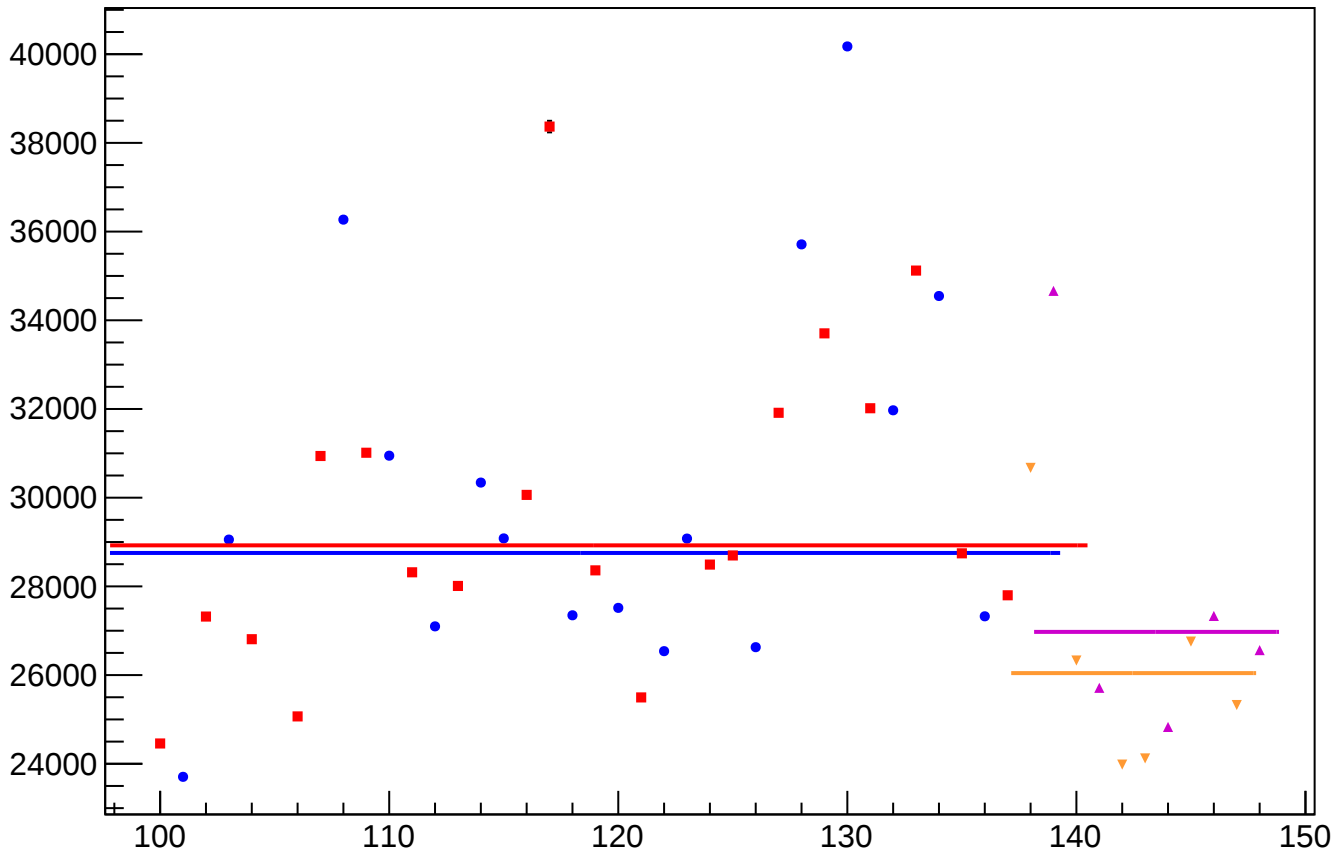
Right Out: 10.311 ± 10.872 χ^2/NDF : 19.9/19

Left In: -6.534 ± 13.499 χ^2/NDF : 2.0/4

0.718 ± 8.479 χ^2/NDF : 24.7/22

3.684 ± 8.467 χ^2/NDF : 22.8/24

diff_bpm12X_rms vs Slug



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 26044.561+/-9.083 χ^2/NDF : 49877.9/5

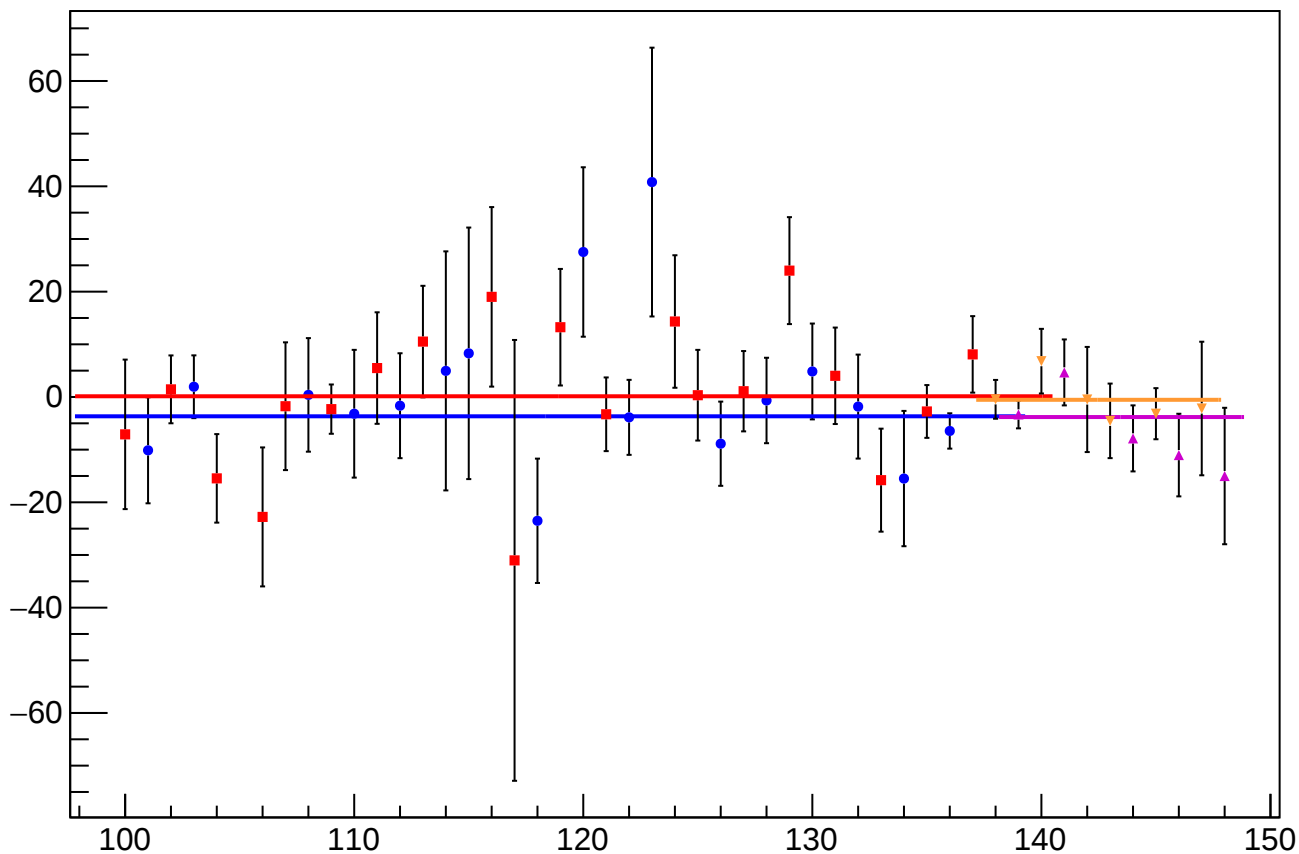
Right Out: 28925.160+/-7.687 χ^2/NDF : 116514.7/19

Left In: 26973.897+/-9.545 χ^2/NDF : 88695.7/4

27573.427+/-5.996 χ^2/NDF : 349295.4/22

28157.473+/-5.987 χ^2/NDF : 230557.9/24

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.536 ± 2.364 χ^2/NDF : 2.1/5

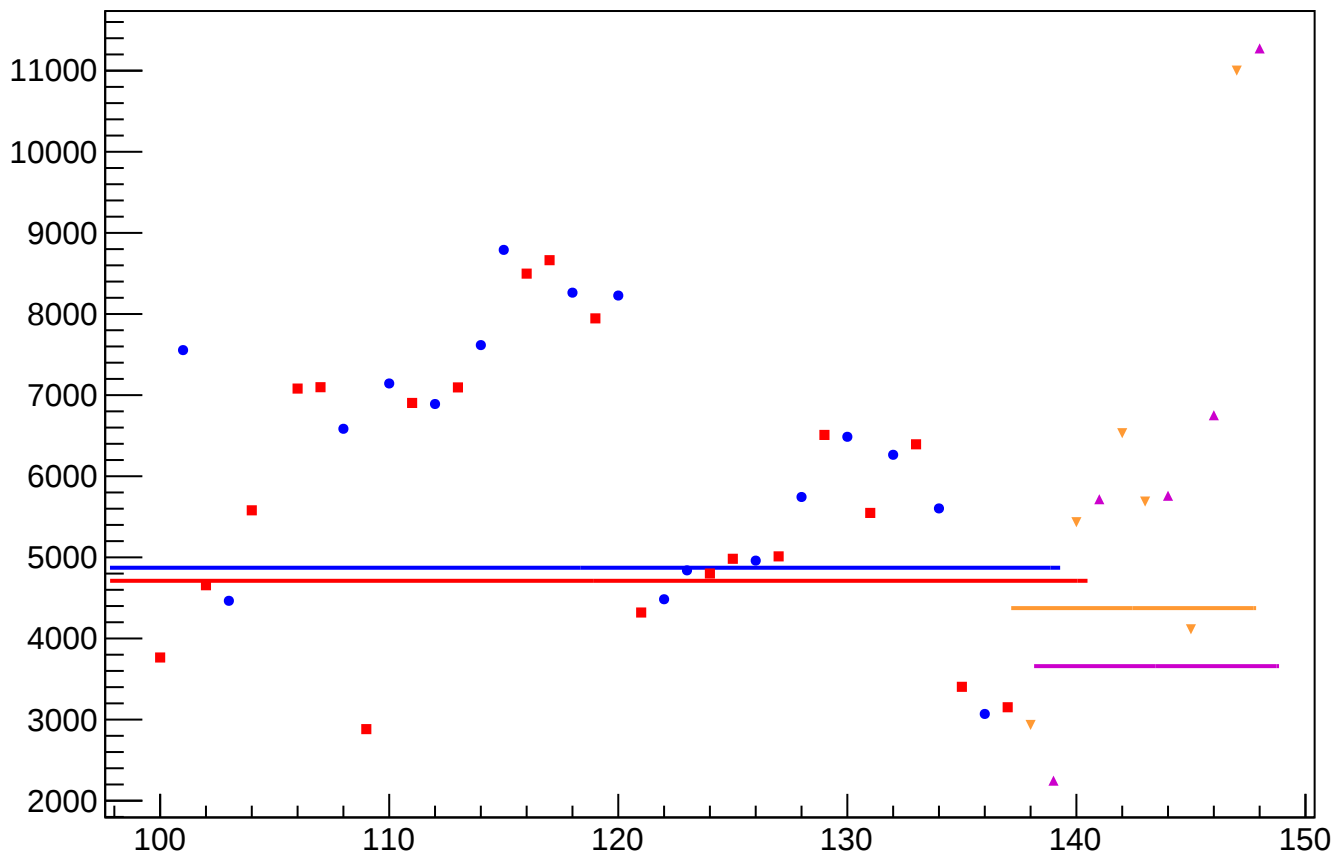
Right Out: 0.135 ± 1.891 χ^2/NDF : 22.9/19

Left In: -3.809 ± 2.152 χ^2/NDF : 3.9/4

-2.354 ± 1.531 χ^2/NDF : 17.6/22

-1.583 ± 1.420 χ^2/NDF : 28.6/24

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2 /NDF: 1405253.2/16

Left Out: 4374.364+/-1.672 χ^2 /NDF:1079357.0/5

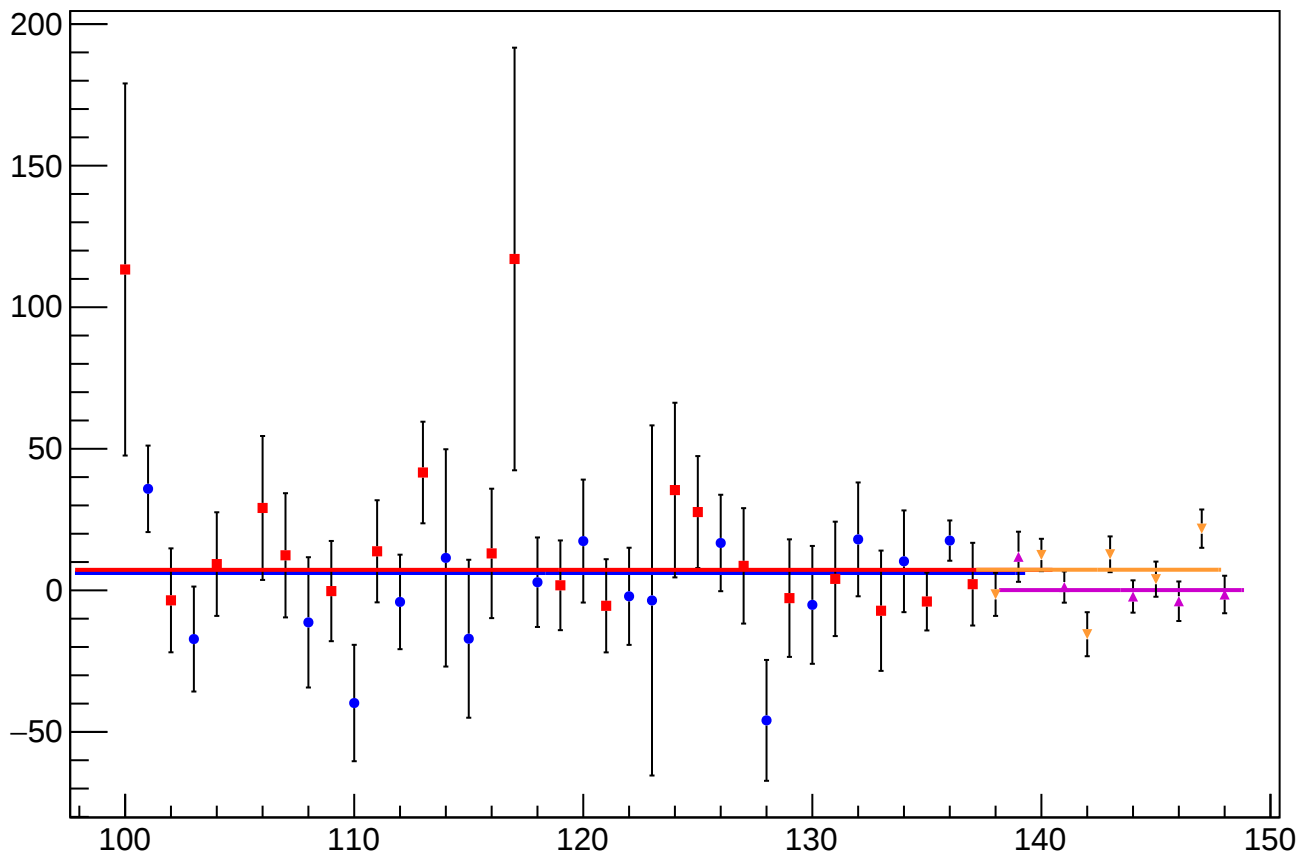
Right Out: 4711.077+/-1.337 χ^2 /NDF: 1330595.4/19

Left In: 3659.021+/-1.522 χ^2 /NDF:2011973.1/4

4663.286+/-1.083 χ^2 /NDF: 2536075.1/22

4252.720+/-1.004 χ^2 /NDF: 3612347.2/24

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 $\chi^2/\text{NDF}: 22.2/16$

Left Out: 7.283 ± 2.699 $\chi^2/\text{NDF}: 16.3/5$

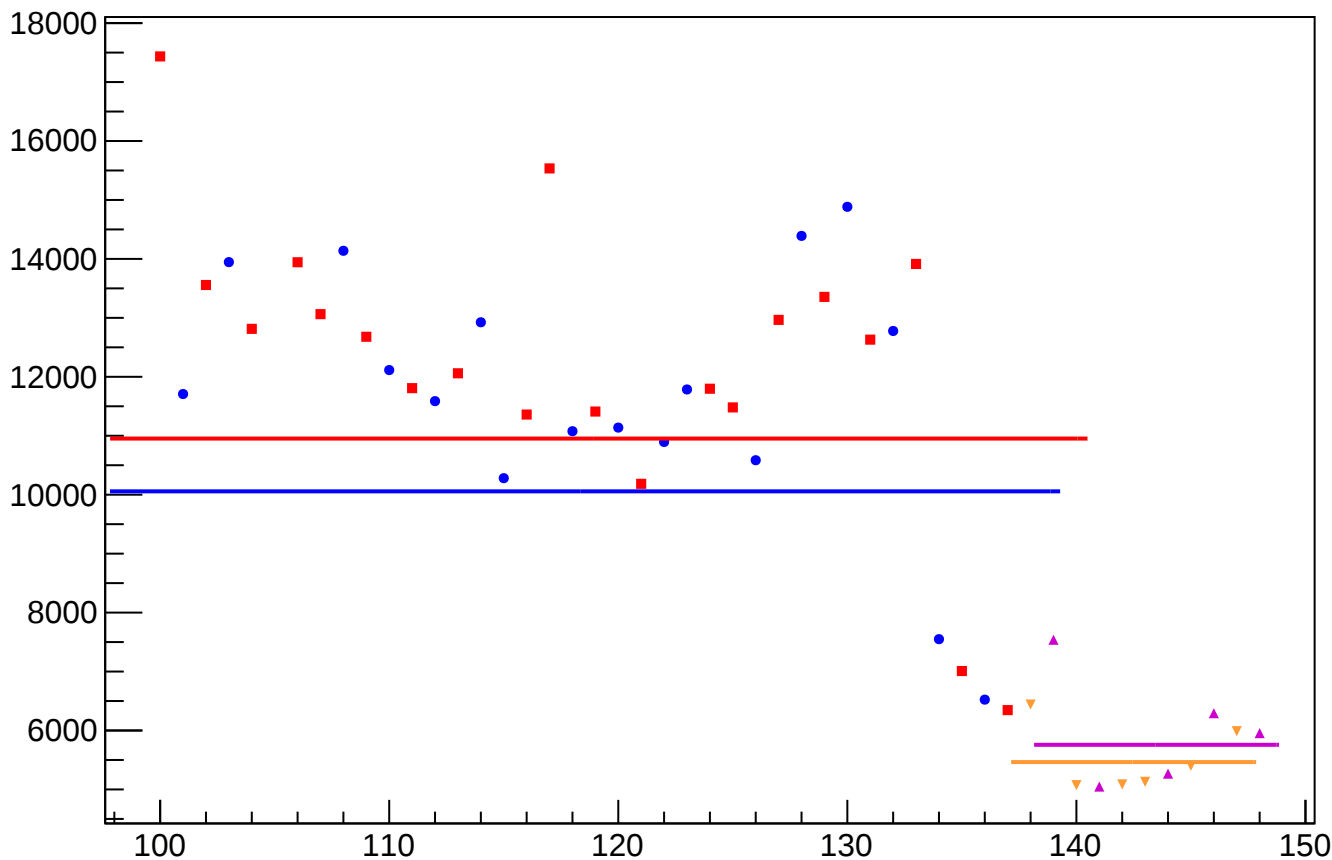
Right Out: 7.243 ± 4.218 $\chi^2/\text{NDF}: 14.6/19$

Left In: 0.096 ± 2.892 $\chi^2/\text{NDF}: 2.3/4$

6.933 ± 2.251 $\chi^2/\text{NDF}: 38.6/22$

2.382 ± 2.385 $\chi^2/\text{NDF}: 18.9/24$

diff_bpm16X_rms vs Slug



Right In: 10056.991+/-2.885 χ^2/NDF : 1002872.6/16

Left Out: 5464.178+/-1.909 χ^2/NDF : 64781.7/5

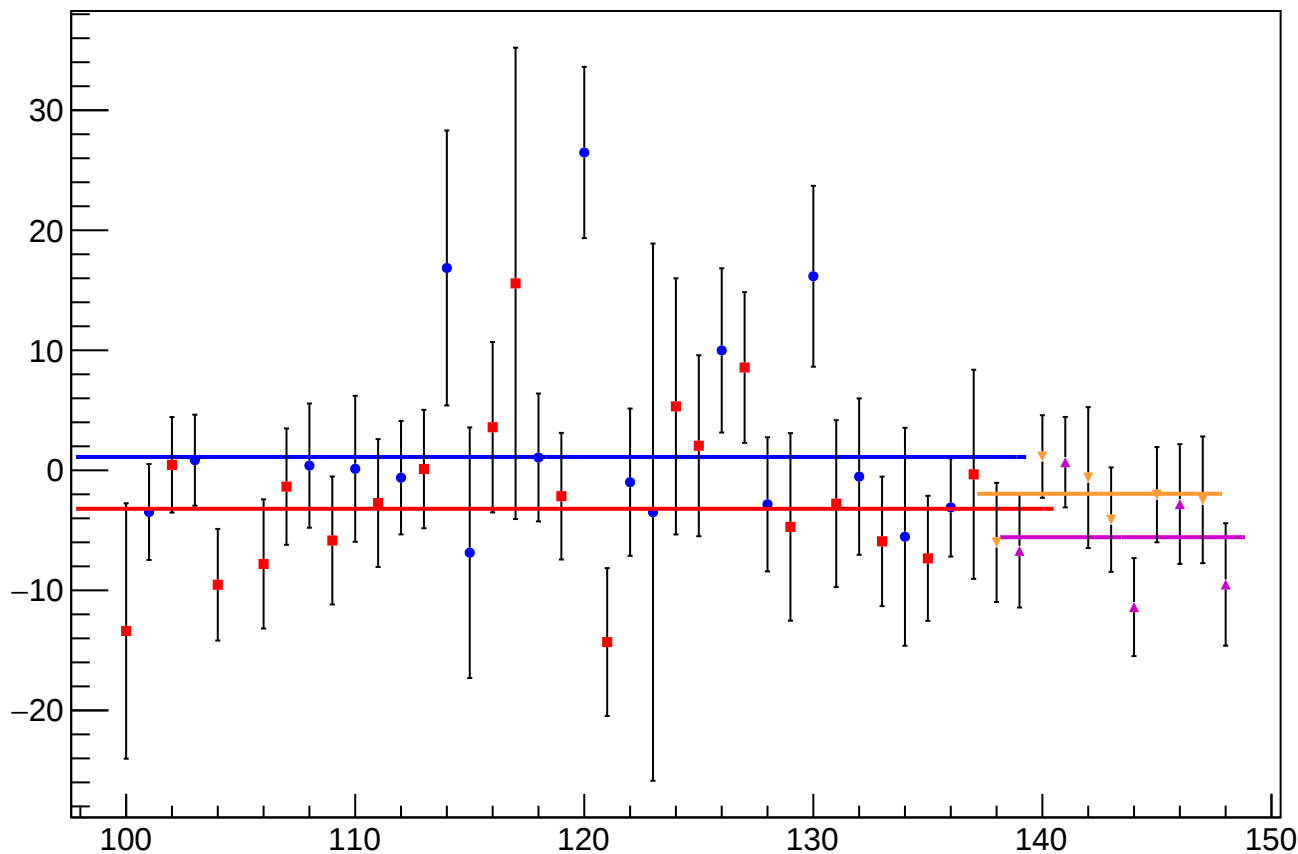
Right Out: 10952.255+/-2.982 χ^2/NDF : 770474.3/19

Left In: 5757.245+/-2.045 χ^2/NDF : 142288.9/4

6862.422+/-1.592 χ^2/NDF : 2830273.9/22

7418.790+/-1.687 χ^2/NDF : 2976600.8/24

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -1.953 ± 1.807 χ^2/NDF : 1.8/5

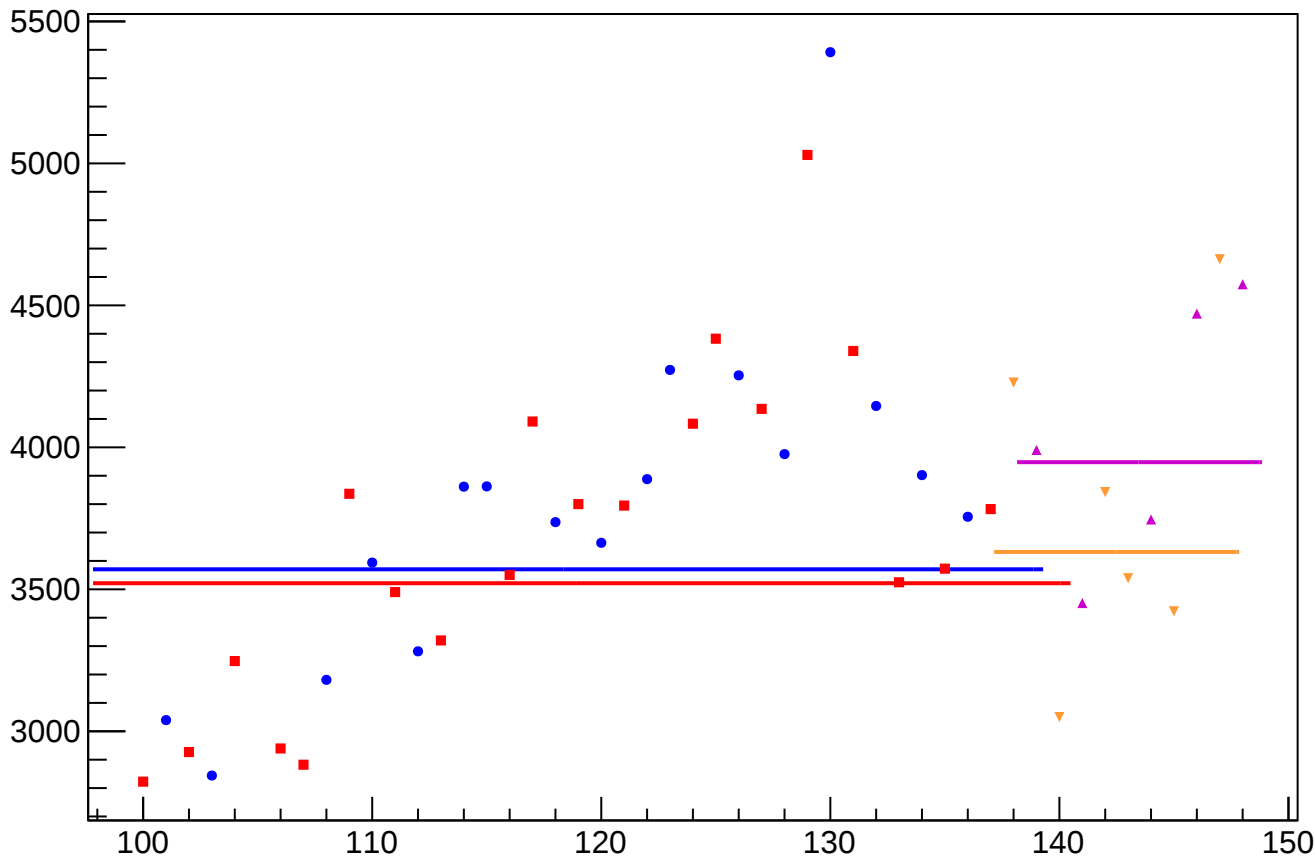
Right Out: -3.204 ± 1.331 χ^2/NDF : 16.0/19

Left In: -5.572 ± 1.985 χ^2/NDF : 5.7/4

-0.041 ± 1.108 χ^2/NDF : 28.2/22

-3.938 ± 1.105 χ^2/NDF : 22.7/24

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 3631.651+/-1.278 χ^2/NDF :171282.0/5

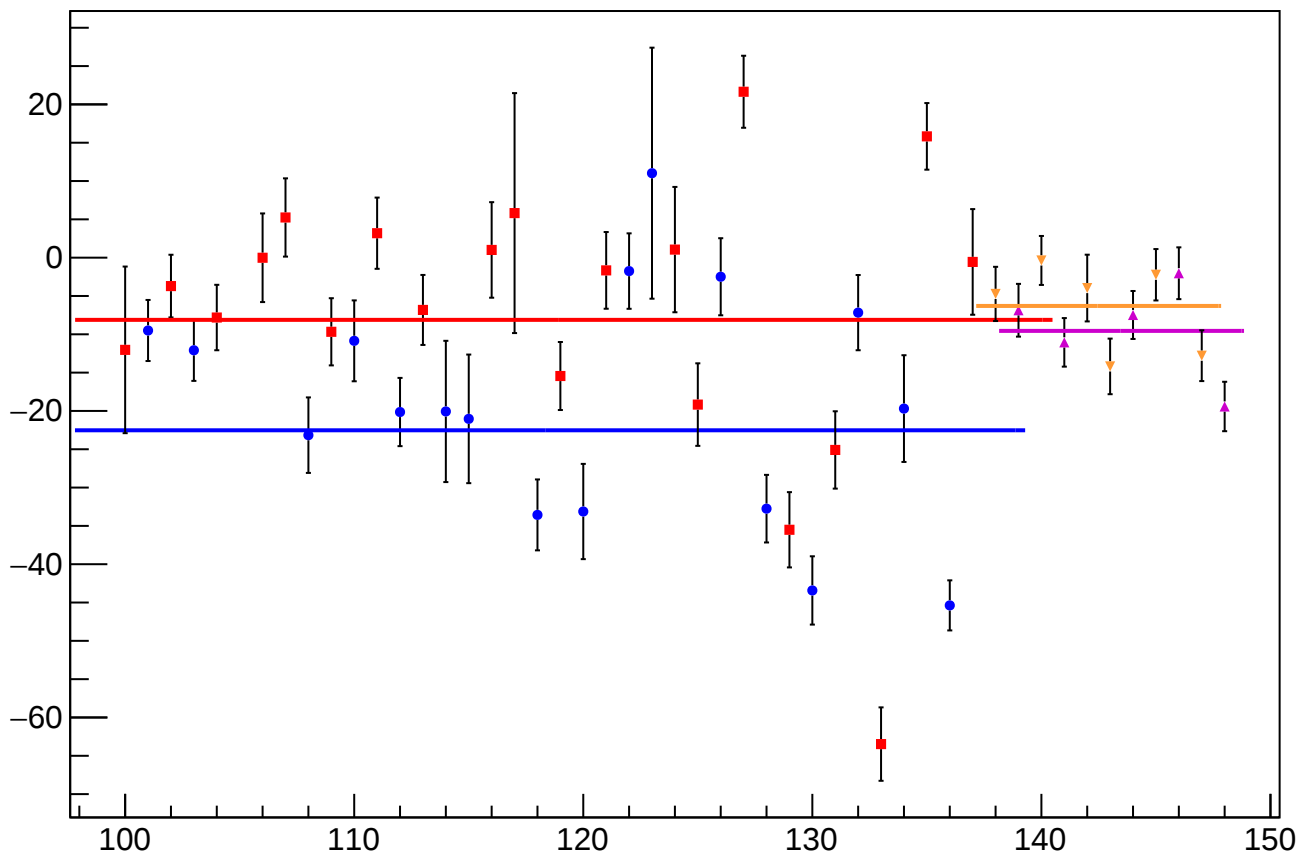
Right Out: 3521.513+/-0.941 χ^2/NDF : 295082.3/19

Left In: 3947.760+/-1.403 χ^2/NDF :91917.2/4

3593.487+/-0.784 χ^2/NDF : 482411.5/22

3653.687+/-0.781 χ^2/NDF : 450646.8/24

diff_bpm0l01X_mean vs Slug



Right In: -22.526 $\pm$ 1.201 χ^2 /NDF: 155.5/16

Left Out: -6.299 $\pm$ 1.433 χ^2 /NDF: 14.0/5

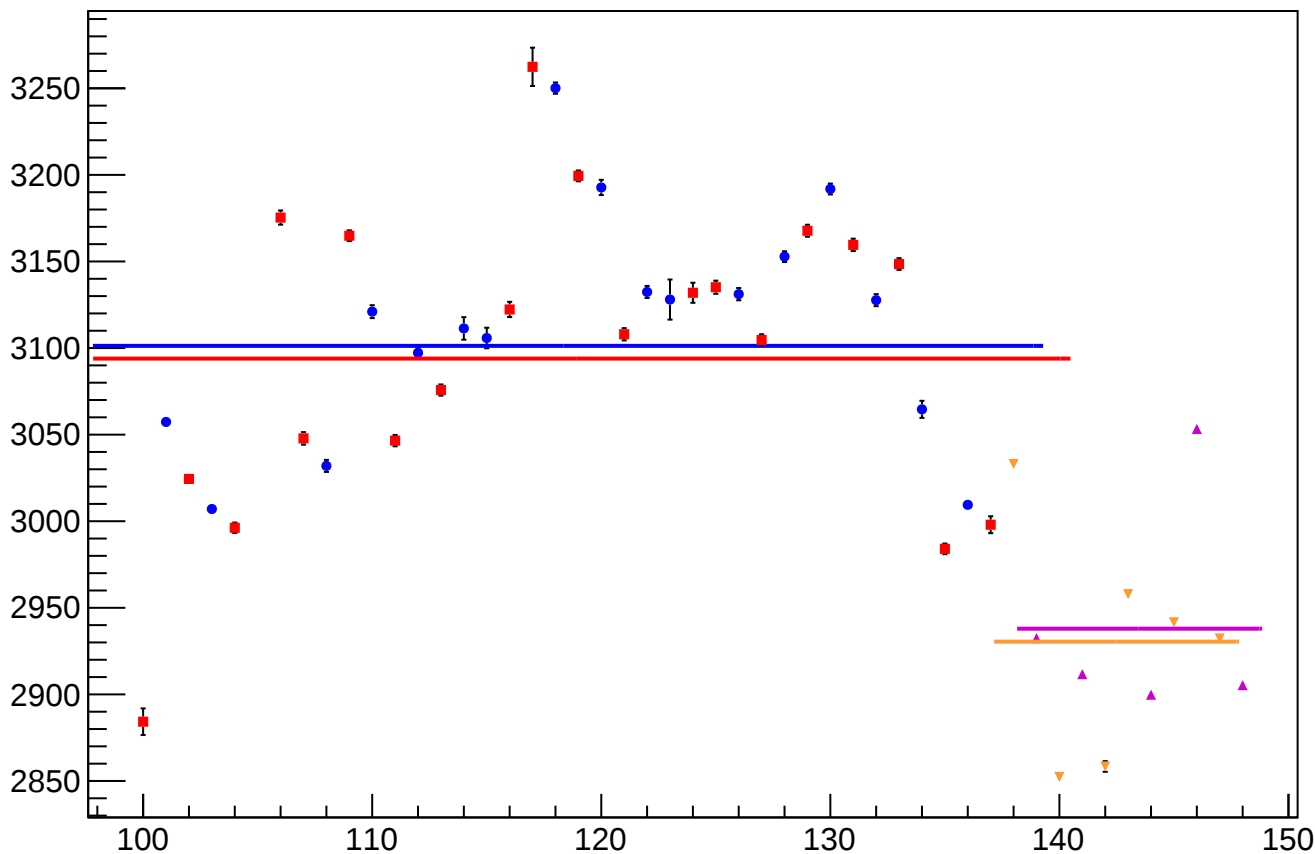
Right Out: -8.116 $\pm$ 1.154 χ^2 /NDF: 276.6/19

Left In: -9.555 $\pm$ 1.459 χ^2 /NDF: 15.6/4

-15.836 $\pm$ 0.920 χ^2 /NDF: 244.8/22

-8.670 $\pm$ 0.905 χ^2 /NDF: 292.8/24

diff_bpm0l01X_rms vs Slug



Right In: 3101.270 ± 0.849 $\chi^2/\text{NDF}: 7233.8/16$

Left Out: 2930.456 ± 1.014 $\chi^2/\text{NDF}: 3562.6/5$

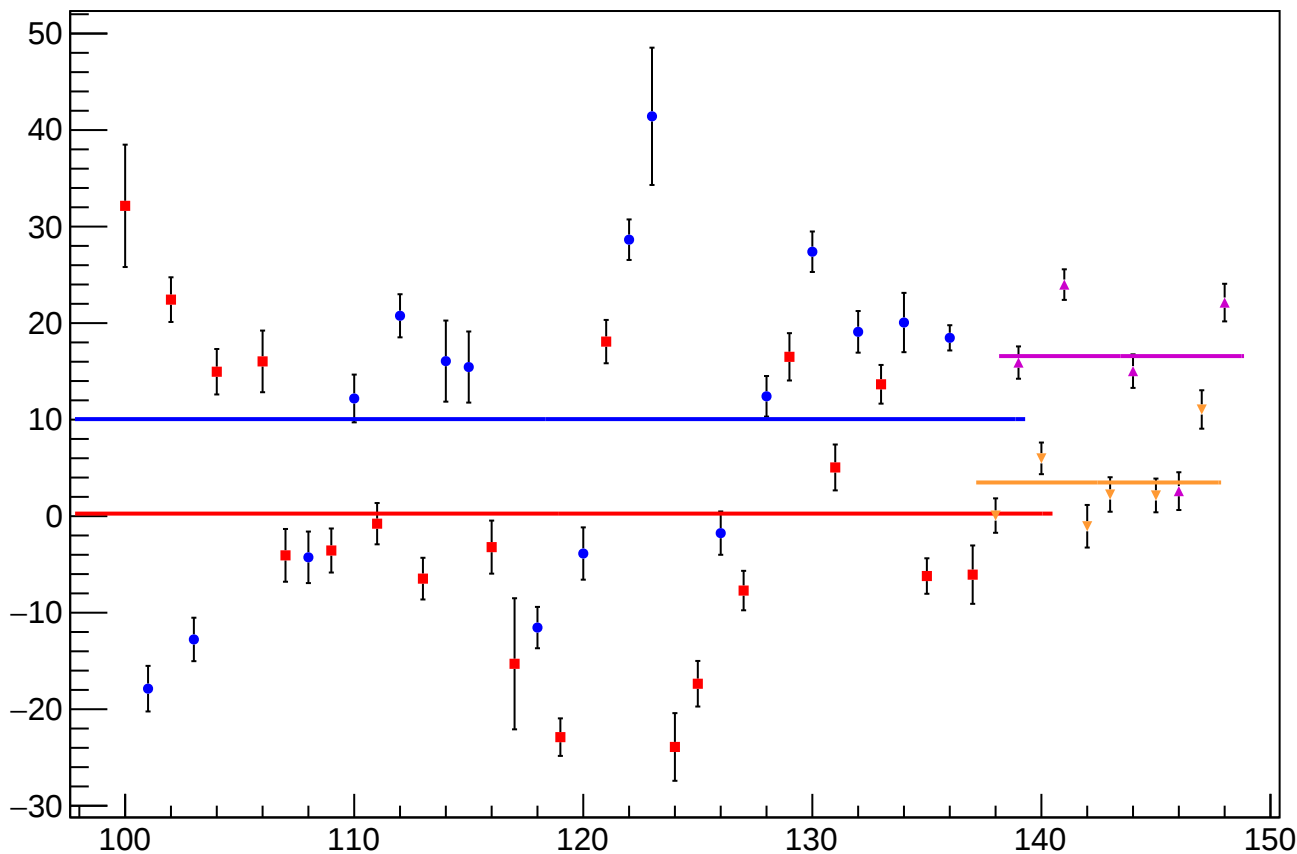
Right Out: 3093.913 ± 0.816 $\chi^2/\text{NDF}: 7998.9/19$

Left In: 2937.946 ± 1.032 $\chi^2/\text{NDF}: 2974.3/4$

3030.852 ± 0.651 $\chi^2/\text{NDF}: 27487.7/22$

3033.905 ± 0.640 $\chi^2/\text{NDF}: 25035.5/24$

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 3.491 $\pm$ 0.748 χ^2 /NDF: 25.7/5

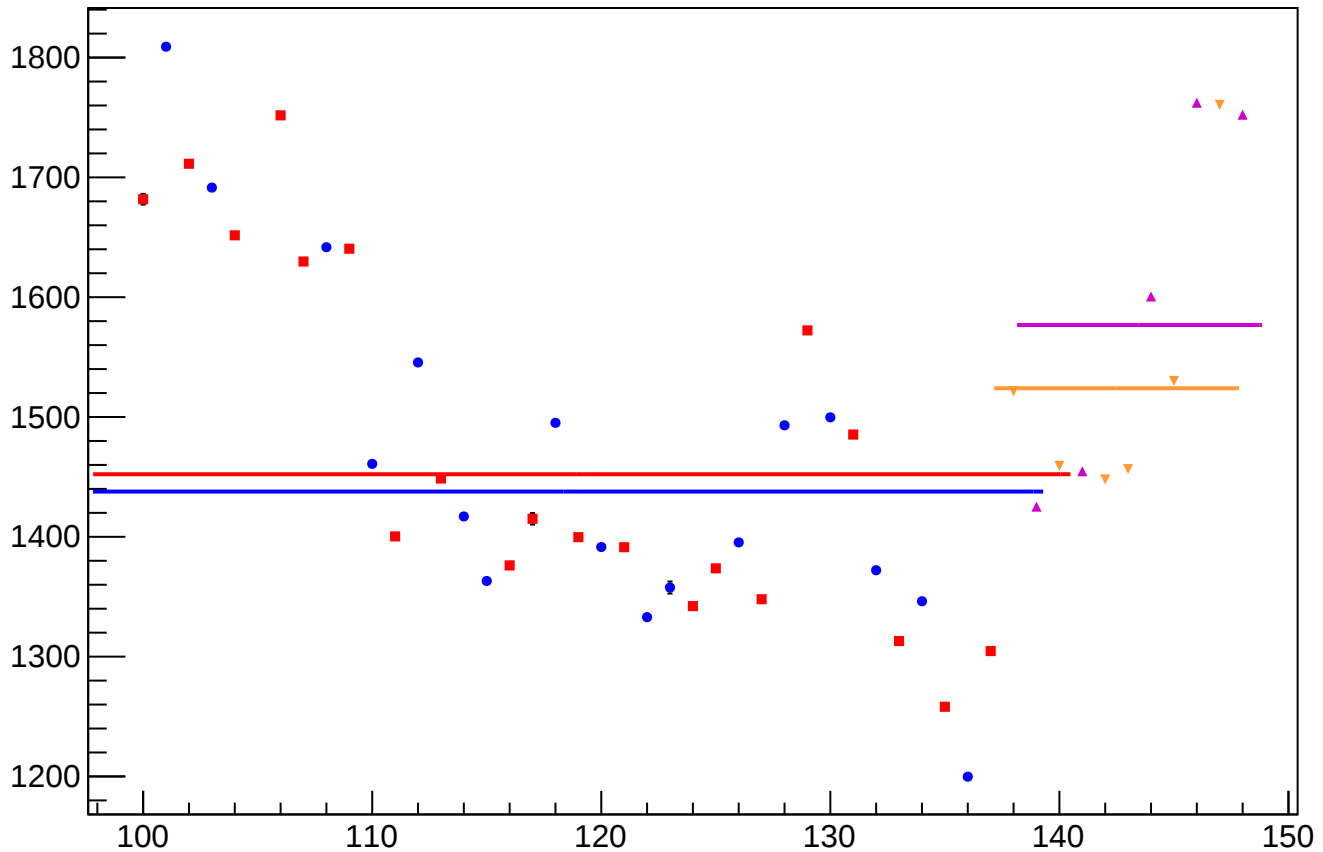
Right Out: 0.266 $\pm$ 0.545 χ^2 /NDF: 635.1/19

Left In: 16.584 $\pm$ 0.788 χ^2 /NDF: 82.1/4

7.690 $\pm$ 0.449 χ^2 /NDF: 767.2/22

5.550 $\pm$ 0.448 χ^2 /NDF: 1007.2/24

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1524.013 $\pm$ 0.529 χ^2 /NDF: 36607.8/5

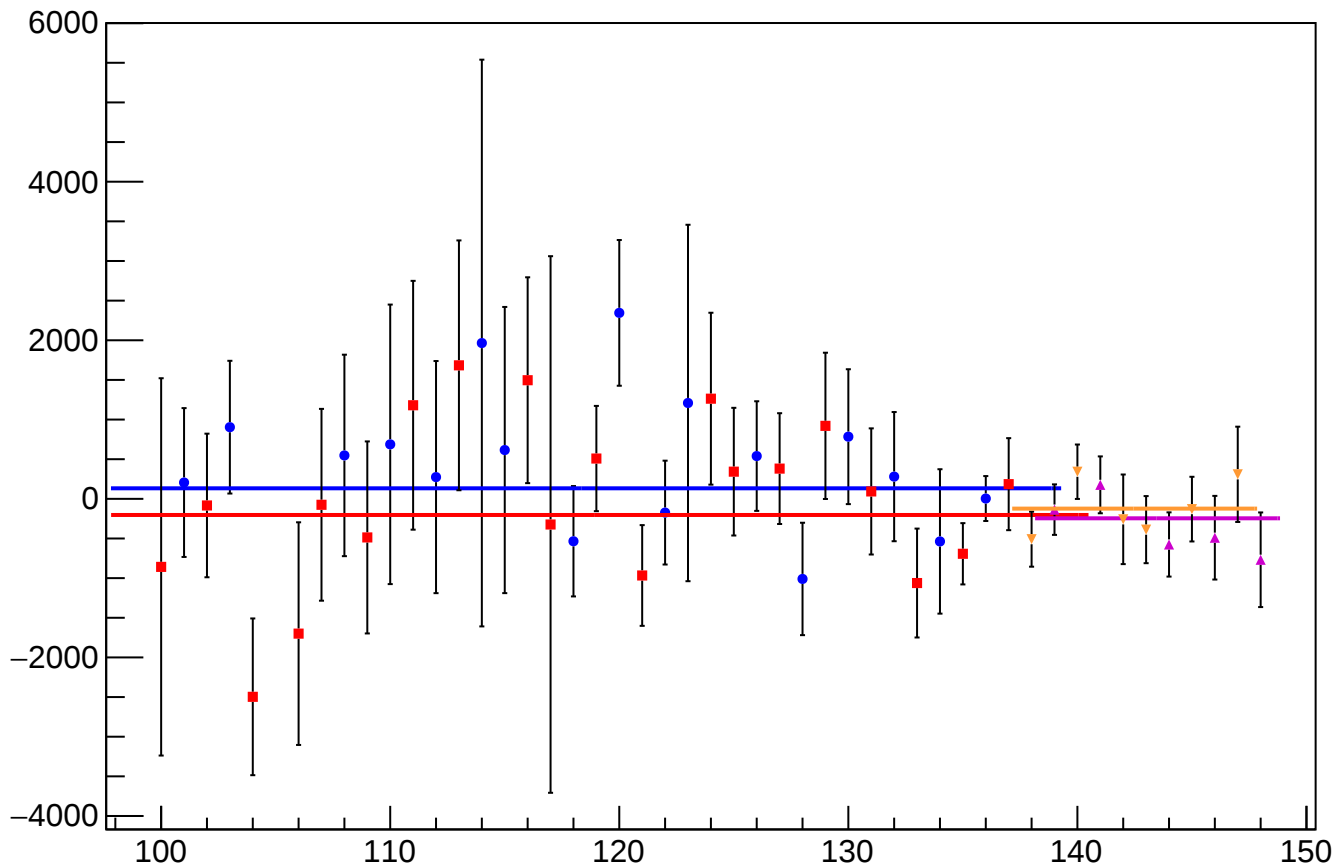
1468.842 $\pm$ 0.318 χ^2 /NDF: 226809.3/22

Right Out: 1452.227 $\pm$ 0.386 χ^2 /NDF: 138666.1/19

1492.552 $\pm$ 0.317 χ^2 /NDF: 235304.9/24

Left In: 1576.758 $\pm$ 0.557 χ^2 /NDF: 62858.9/4

asym_sam1_mean vs Slug



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -123.151 $\pm$ 170.770 χ^2 /NDF: 4.0/5

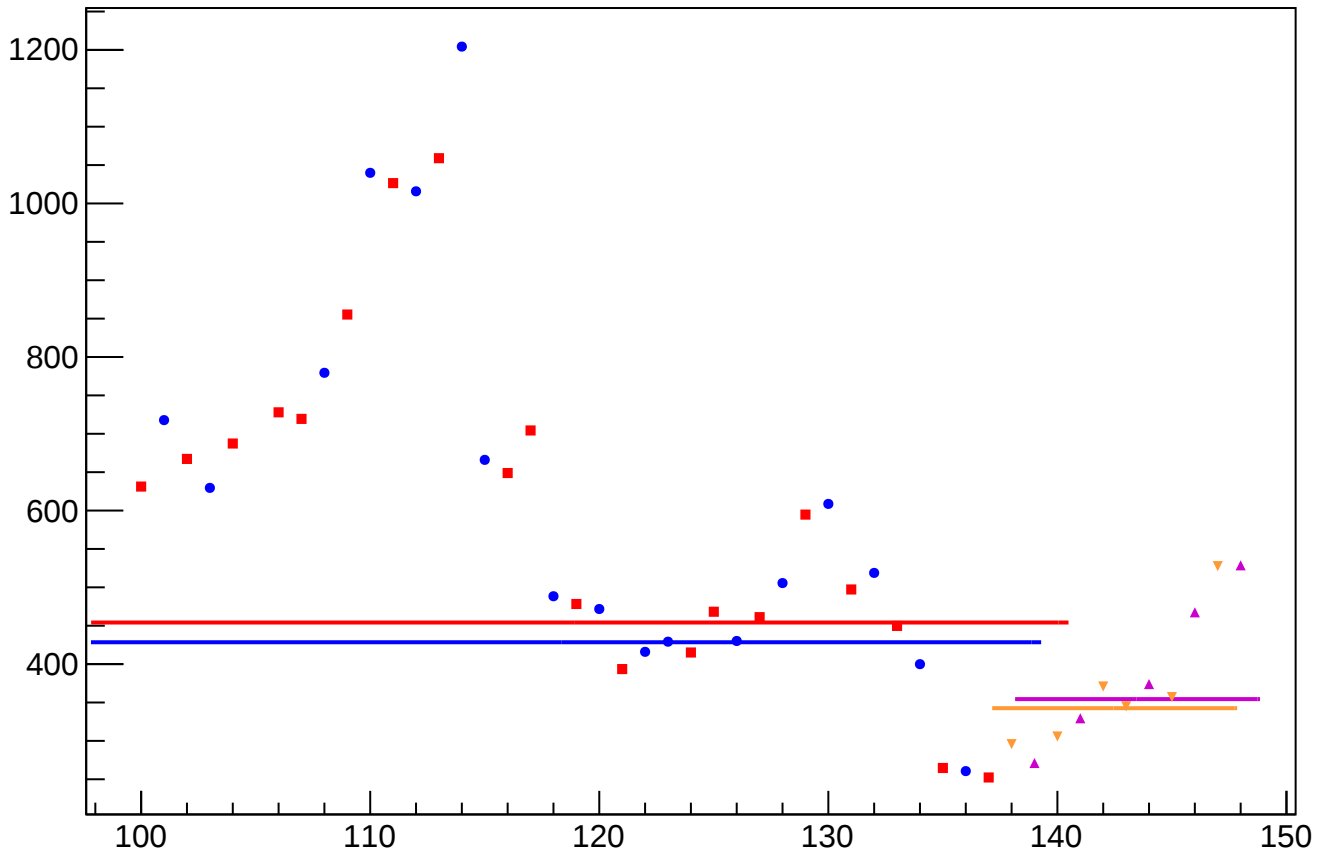
Right Out: -203.418 $\pm$ 184.080 χ^2 /NDF: 21.4/19

Left In: -245.403 $\pm$ 182.194 χ^2 /NDF: 3.1/4

-2.040 $\pm$ 123.975 χ^2 /NDF: 18.0/22

-224.627 $\pm$ 129.492 χ^2 /NDF: 24.6/24

asym_sam1_rms vs Slug



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 342.580+/-0.121 χ^2/NDF :256598.6/5

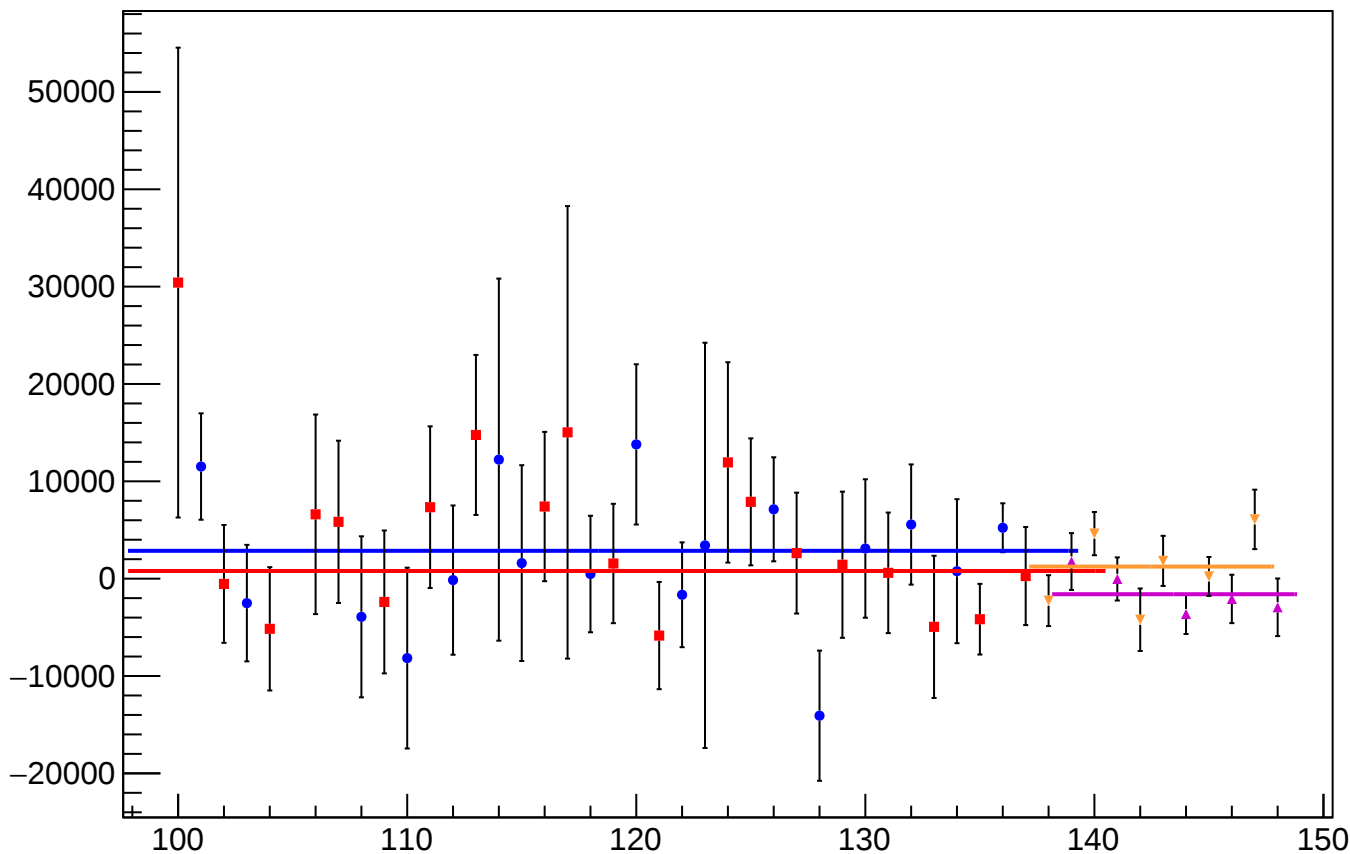
383.198+/-0.088 χ^2/NDF : 2507280.2/22

Right Out: 454.177+/-0.130 χ^2/NDF : 2040775.1/19

403.788+/-0.092 χ^2/NDF : 2750756.3/24

Left In: 354.425+/-0.129 χ^2/NDF :413304.8/4

asym_sam2_mean vs Slug



Right In: 2859.622 ± 1447.884 χ^2/NDF : 16.7/16

Left Out: 1240.620 ± 1023.336 χ^2/NDF : 9.8/5

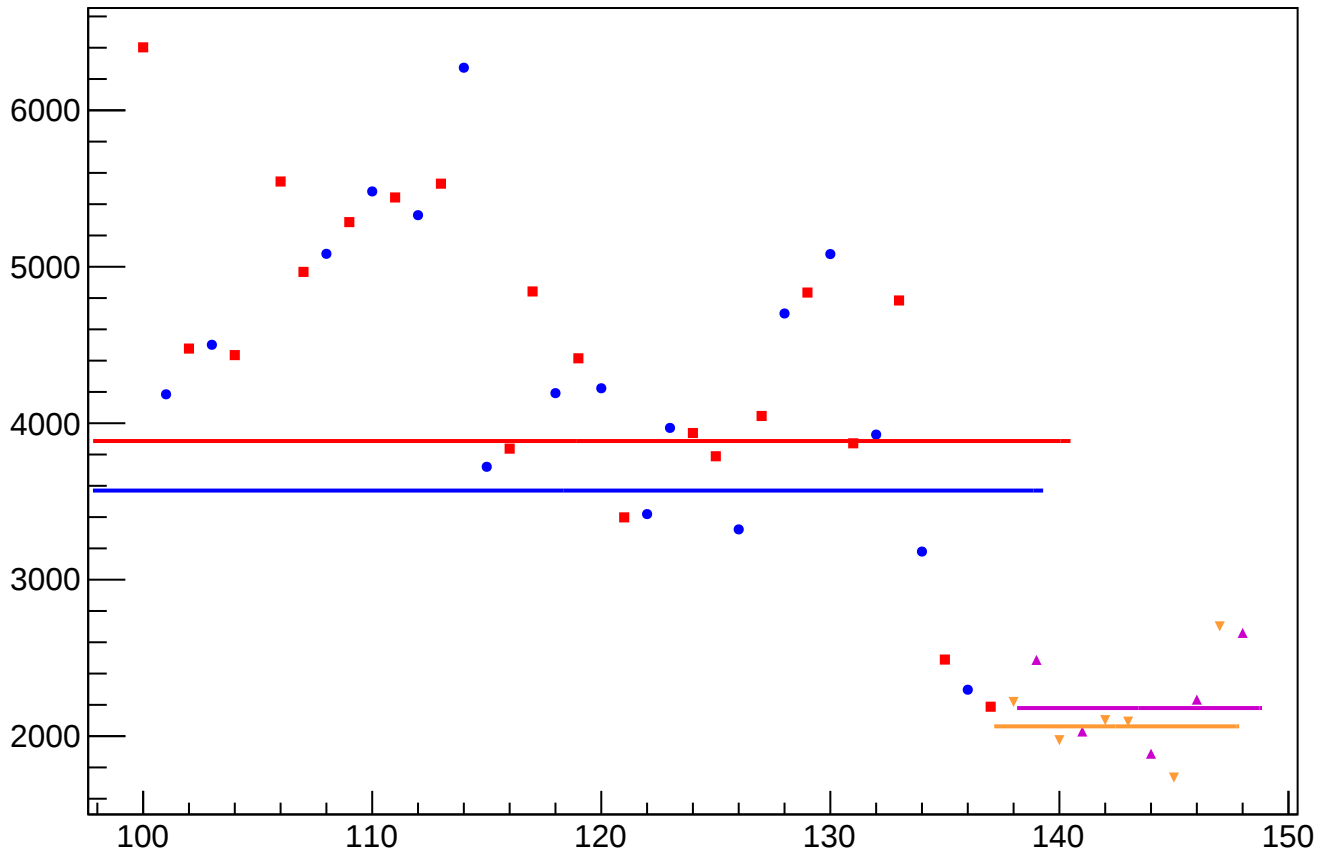
Right Out: 789.608 ± 1506.053 χ^2/NDF : 14.4/19

Left In: -1598.103 ± 1094.935 χ^2/NDF : 3.0/4

1779.955 ± 835.679 χ^2/NDF : 27.3/22

-772.455 ± 885.619 χ^2/NDF : 19.1/24

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2062.477+/-0.724 χ^2/NDF :152153.4/5

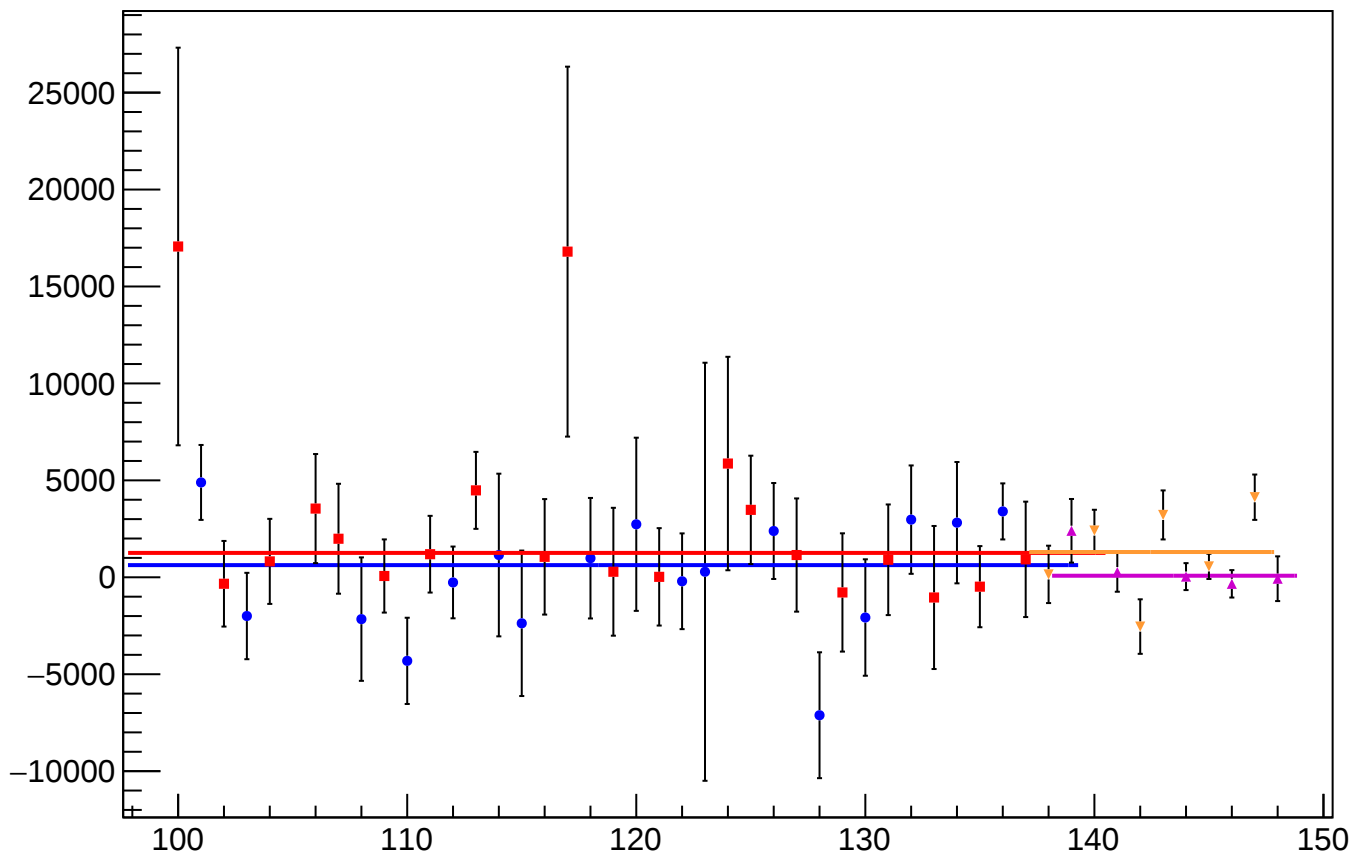
Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

Left In: 2179.587+/-0.774 χ^2/NDF :125365.7/4

2564.552+/-0.591 χ^2/NDF : 2685264.5/22

2769.718+/-0.626 χ^2/NDF : 2791955.1/24

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 $\chi^2/\text{NDF}: 25.1/16$

Left Out: 1303.799 ± 424.295 $\chi^2/\text{NDF}: 18.6/5$

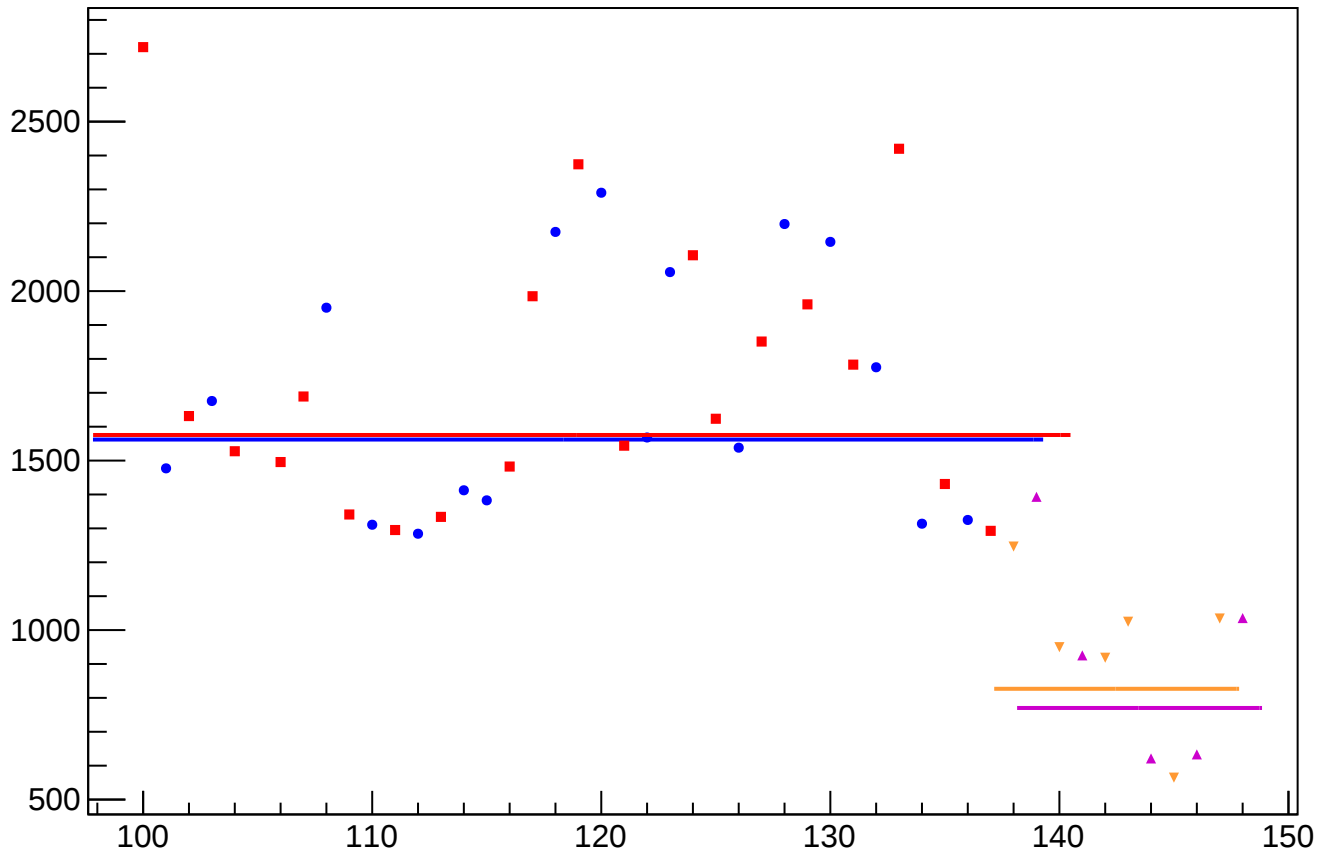
Right Out: 1257.467 ± 601.857 $\chi^2/\text{NDF}: 12.6/19$

Left In: 80.605 ± 402.761 $\chi^2/\text{NDF}: 2.4/4$

1088.580 ± 350.319 $\chi^2/\text{NDF}: 44.5/22$

444.619 ± 334.726 $\chi^2/\text{NDF}: 17.6/24$

asym_sam3_rms vs Slug



Right In: 1562.101+/-0.439 χ^2/NDF : 482088.3/16

Left Out: 826.779+/-0.300 χ^2/NDF : 632473.2/5

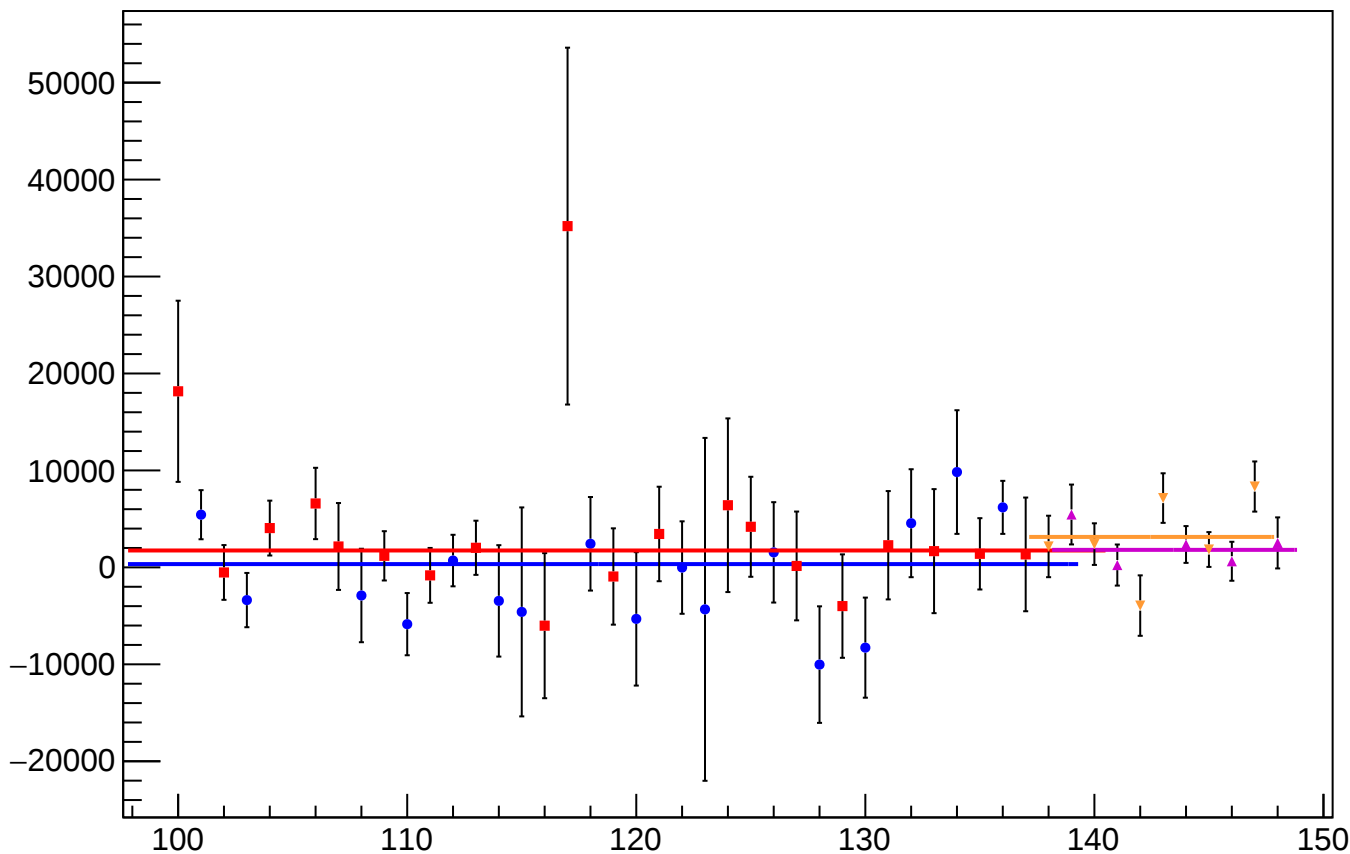
Right Out: 1575.541+/-0.426 χ^2/NDF : 467687.2/19

Left In: 770.203+/-0.285 χ^2/NDF : 607683.4/4

1060.835+/-0.248 χ^2/NDF : 3026582.2/22

1019.302+/-0.237 χ^2/NDF : 3548711.5/24

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 3140.521 ± 984.361 χ^2/NDF : 12.4/5

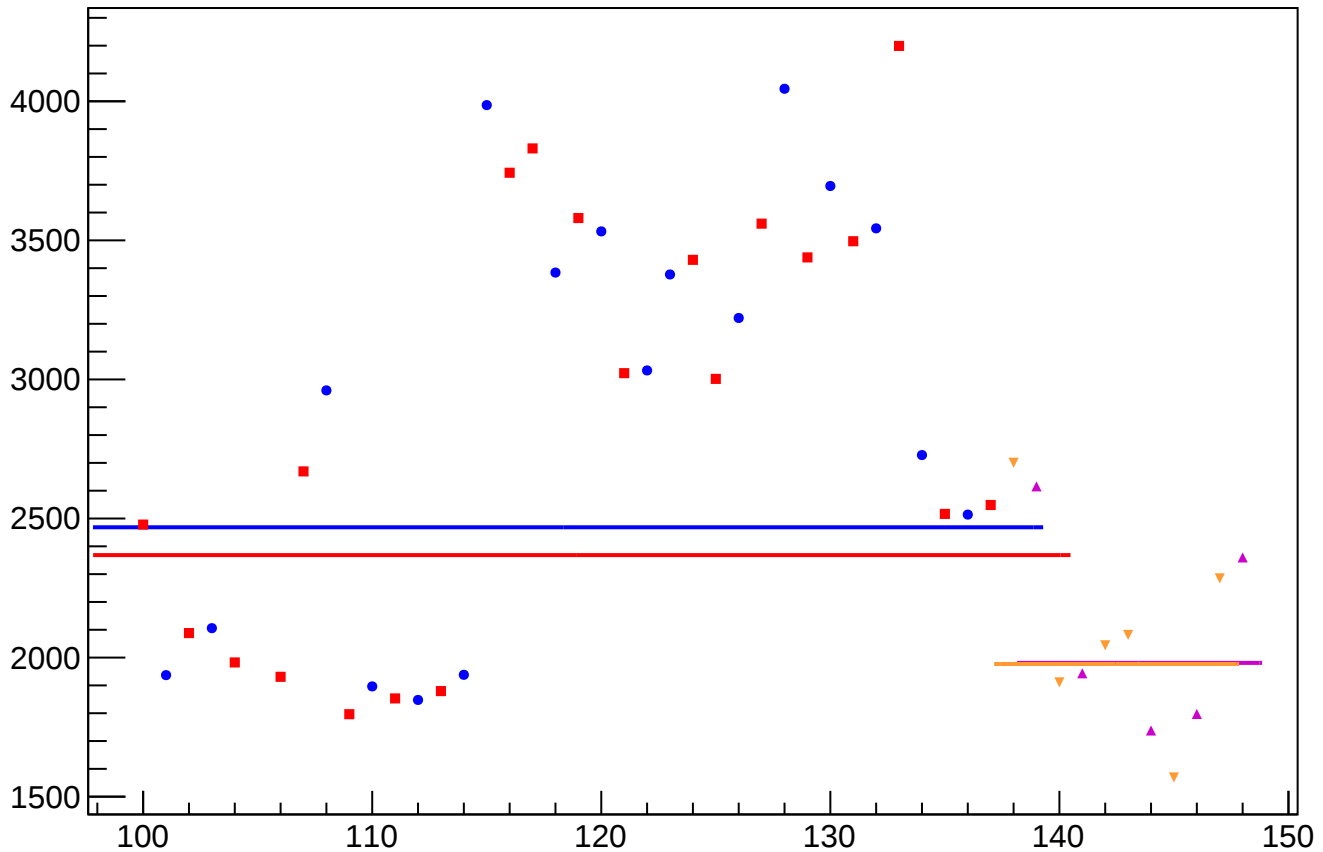
Right Out: 1742.470 ± 923.289 χ^2/NDF : 13.6/19

Left In: 1806.088 ± 1001.474 χ^2/NDF : 2.4/4

1755.566 ± 700.072 χ^2/NDF : 41.2/22

1771.699 ± 678.824 χ^2/NDF : 16.0/24

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 1976.945+/-0.696 χ^2/NDF : 241852.5/5

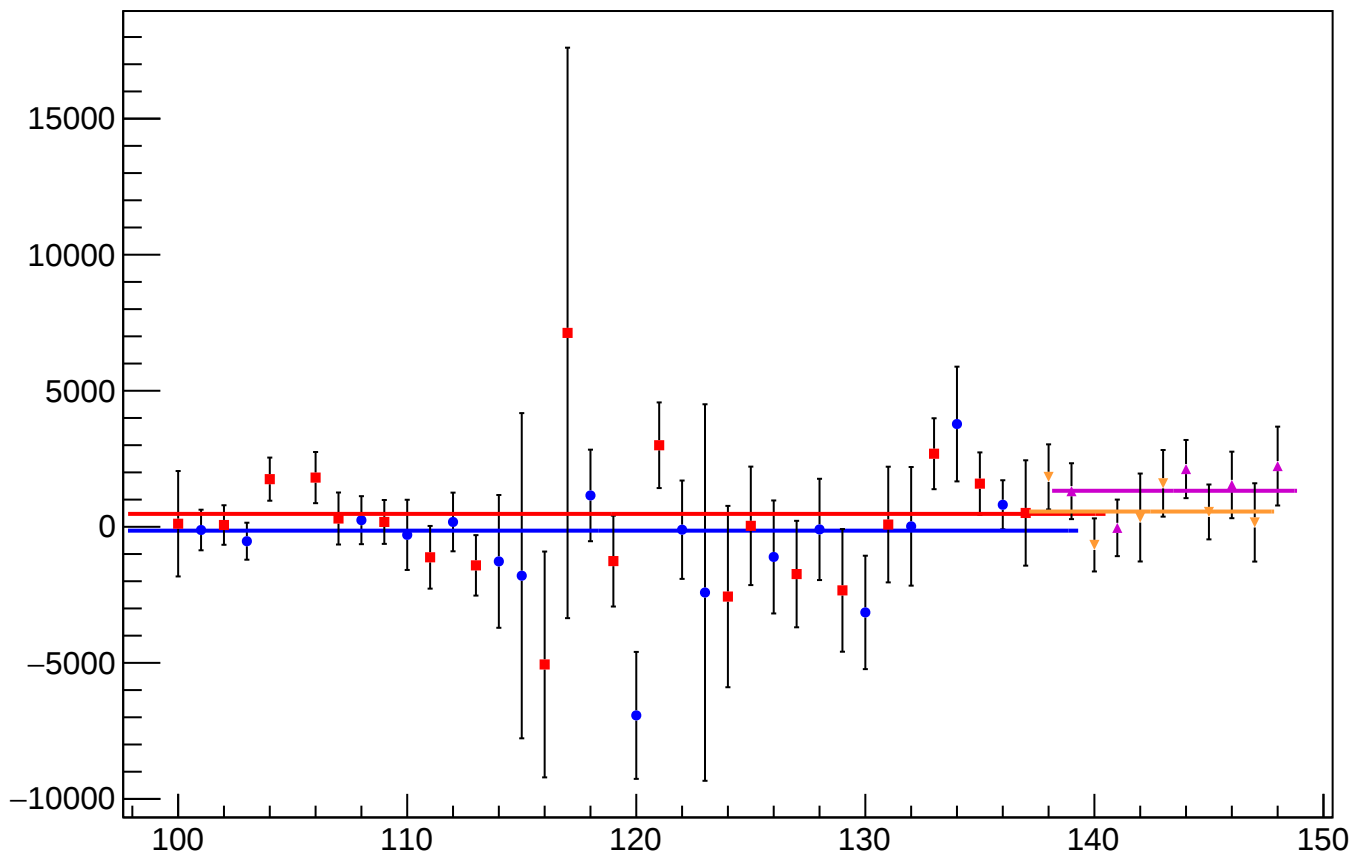
2219.867+/-0.495 χ^2/NDF : 1384468.8/22

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

2190.451+/-0.480 χ^2/NDF : 1375811.3/24

Left In: 1980.944+/-0.708 χ^2/NDF : 176077.9/4

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 561.454+/-484.183 χ^2/NDF : 3.5/5

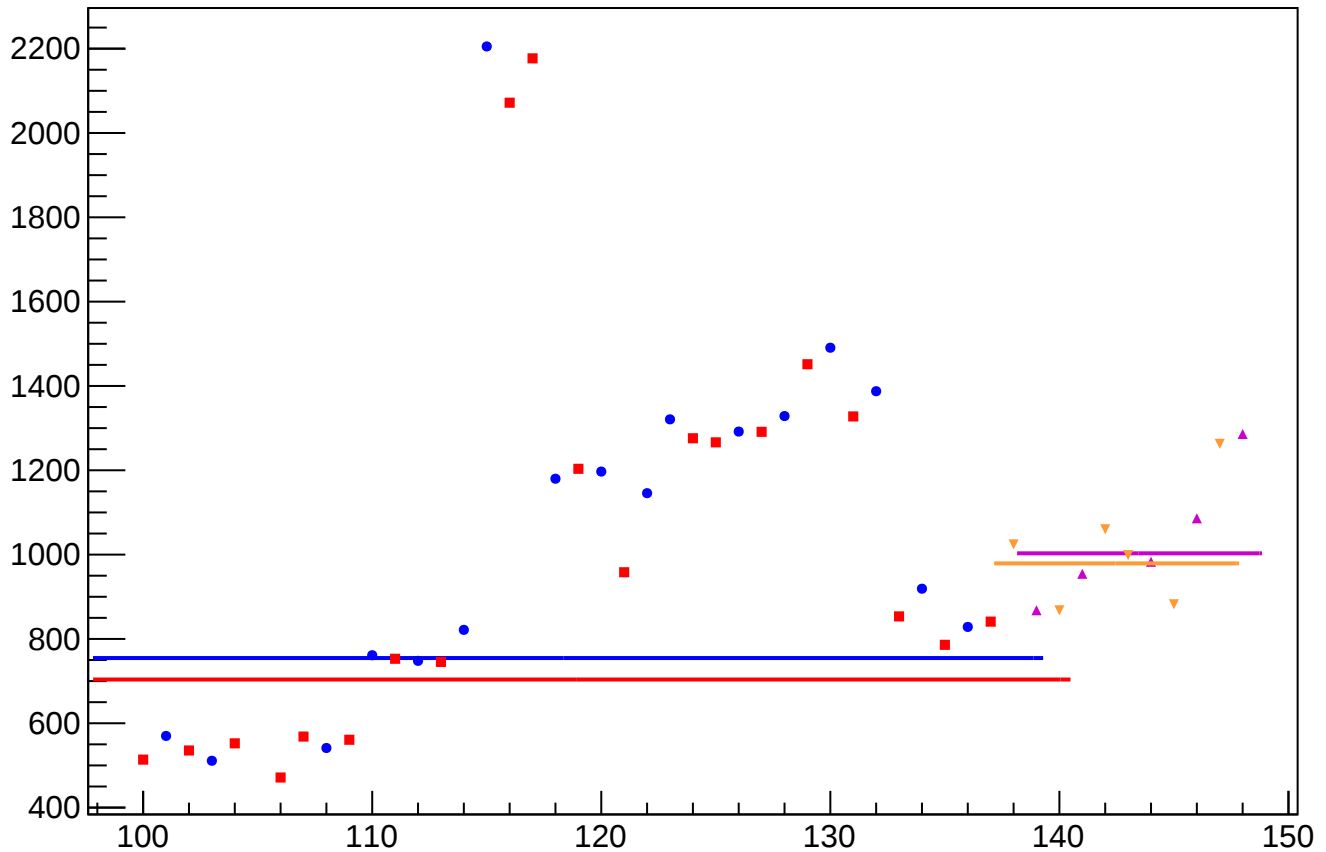
Right Out: 474.987+/-282.789 χ^2/NDF : 23.3/19

Left In: 1324.200+/-506.659 χ^2/NDF : 2.7/4

66.182+/-263.047 χ^2/NDF : 22.0/22

676.701+/-246.930 χ^2/NDF : 28.2/24

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 979.208+/-0.342 χ^2/NDF :130615.8/5

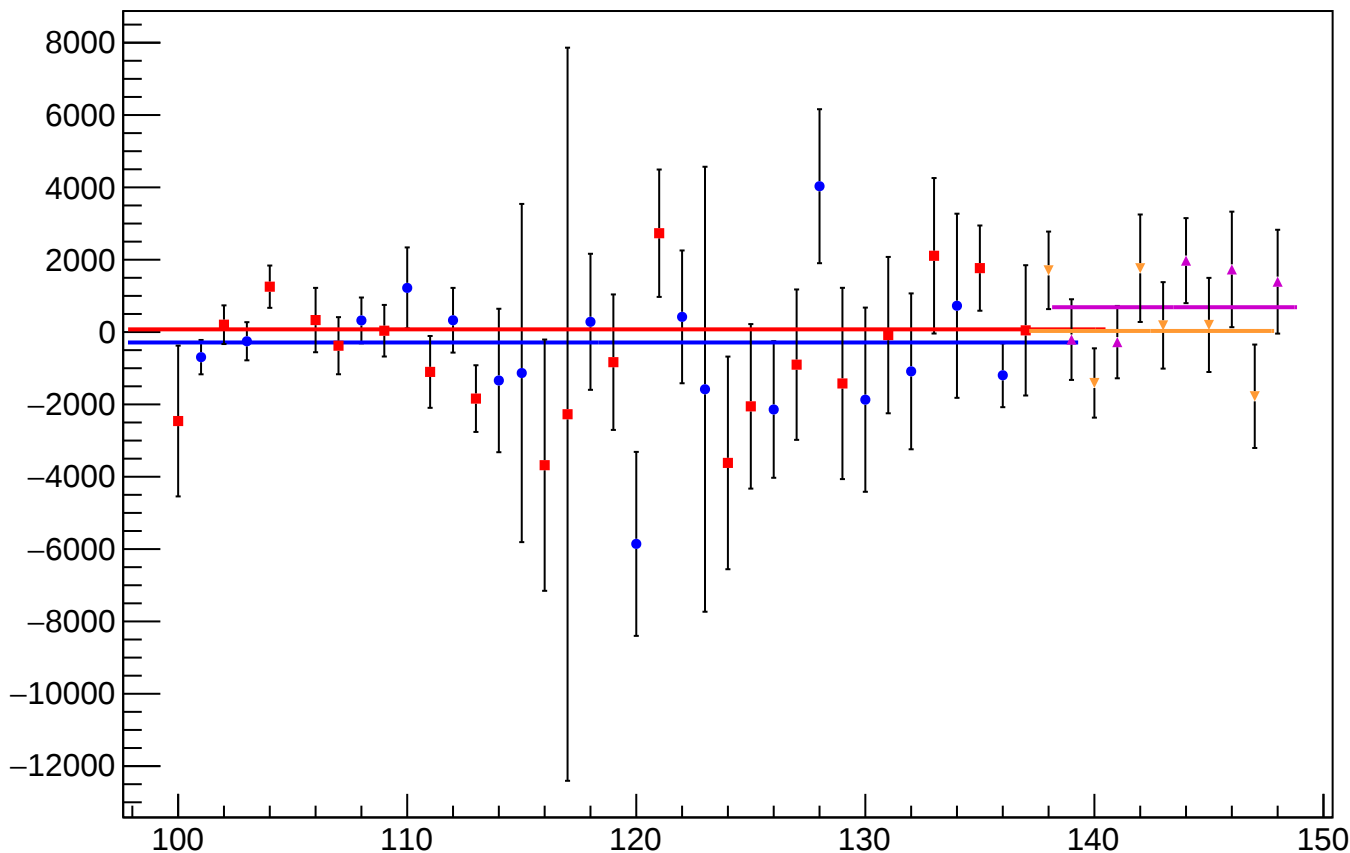
820.953+/-0.186 χ^2/NDF : 2124369.8/22

Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

774.875+/-0.175 χ^2/NDF : 2388256.2/24

Left In: 1003.045+/-0.358 χ^2/NDF :125143.5/4

asym_sam6_mean vs Slug



Right In: -288.037 ± 250.436 $\chi^2/\text{NDF}: 16.2/16$

Left Out: 30.610 ± 488.388 $\chi^2/\text{NDF}: 7.7/5$

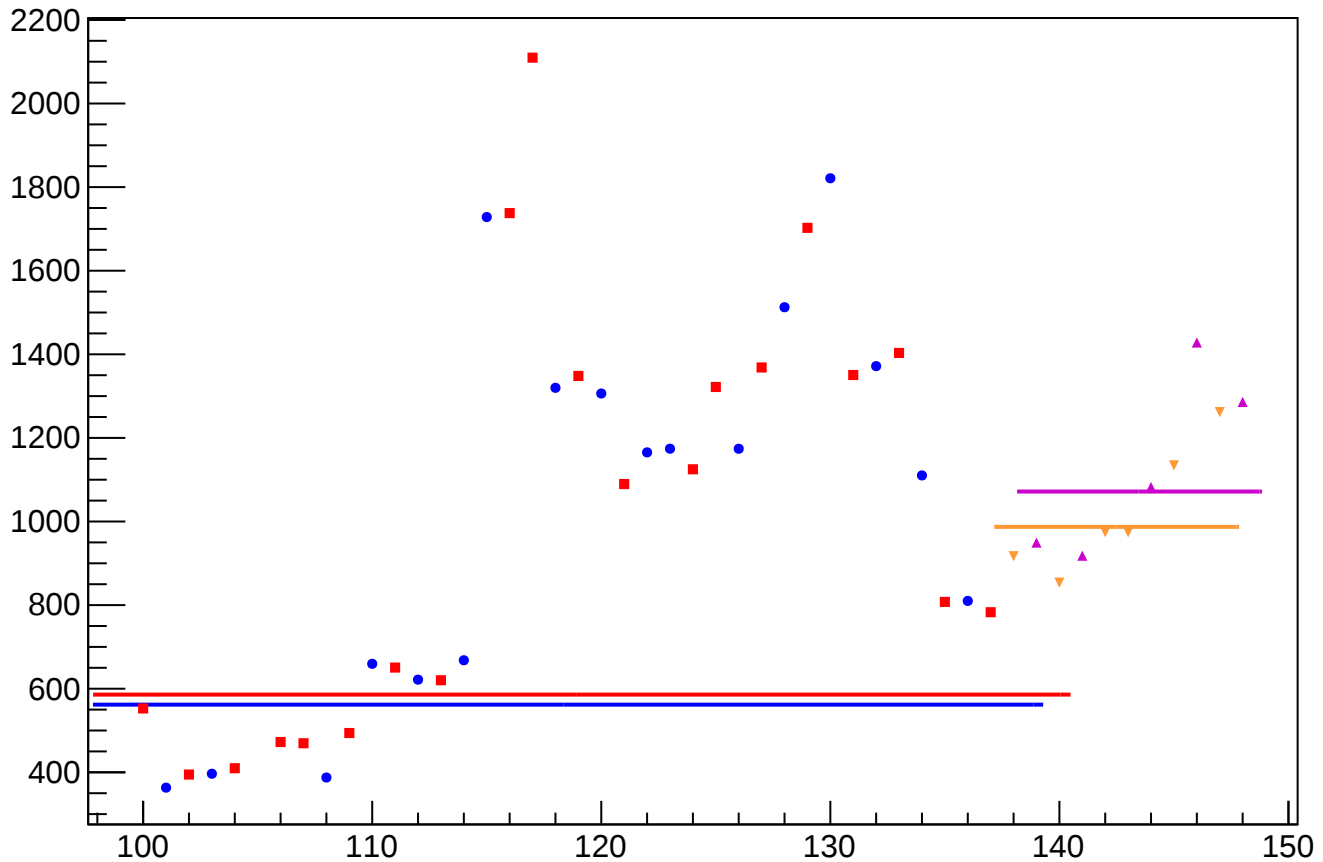
Right Out: 74.735 ± 246.011 $\chi^2/\text{NDF}: 21.4/19$

Left In: 686.824 ± 541.915 $\chi^2/\text{NDF}: 3.4/4$

-221.695 ± 222.846 $\chi^2/\text{NDF}: 24.2/22$

179.323 ± 224.009 $\chi^2/\text{NDF}: 25.9/24$

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 987.147+/-0.345 χ^2/NDF : 147106.5/5

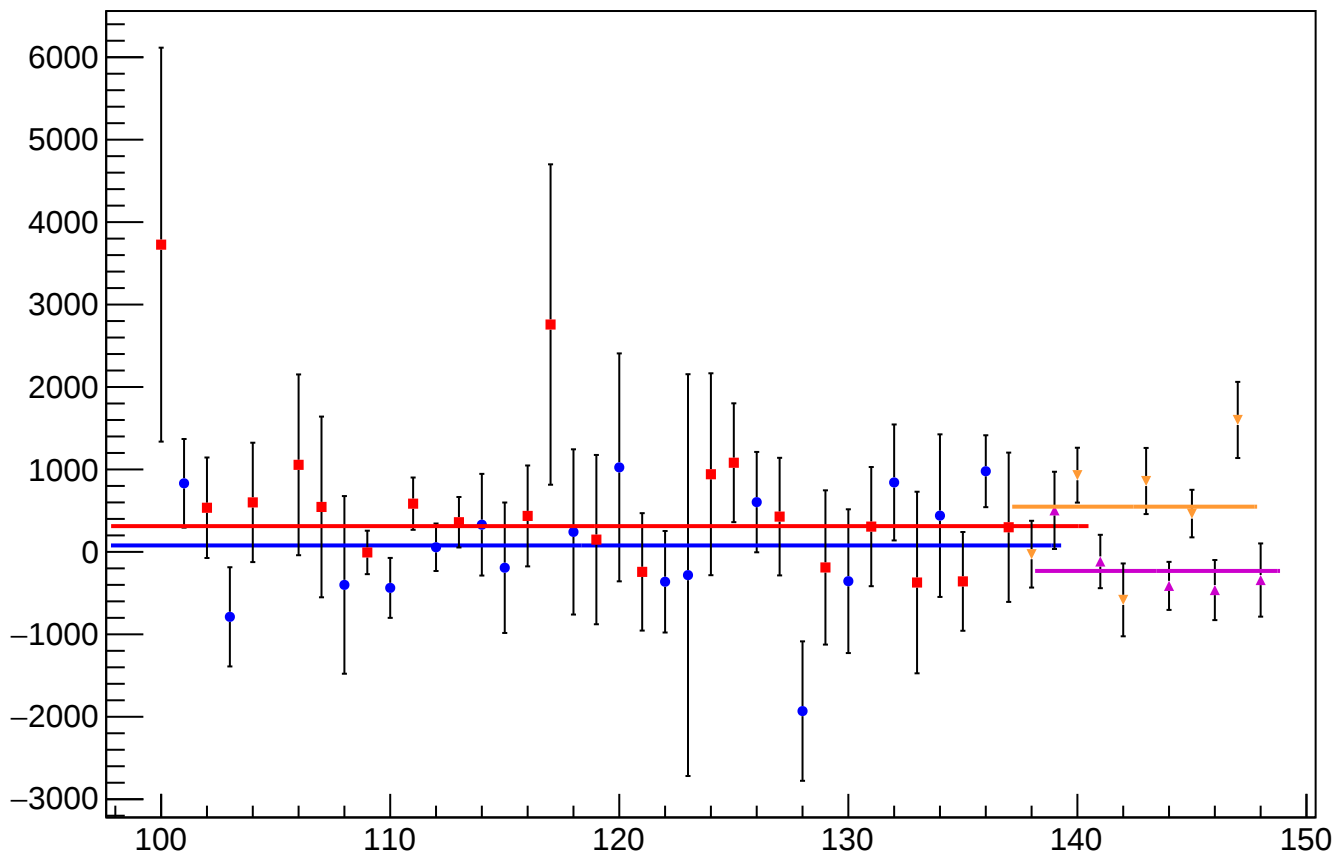
650.431+/-0.158 χ^2/NDF : 4564391.8/22

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

668.902+/-0.158 χ^2/NDF : 4417963.1/24

Left In: 1071.702+/-0.383 χ^2/NDF : 215597.9/4

asym_sam7_mean vs Slug



Right In: 78.184+/-142.869 χ^2/NDF : 19.8/16

Left Out: 548.540+/-152.179 χ^2/NDF : 15.8/5

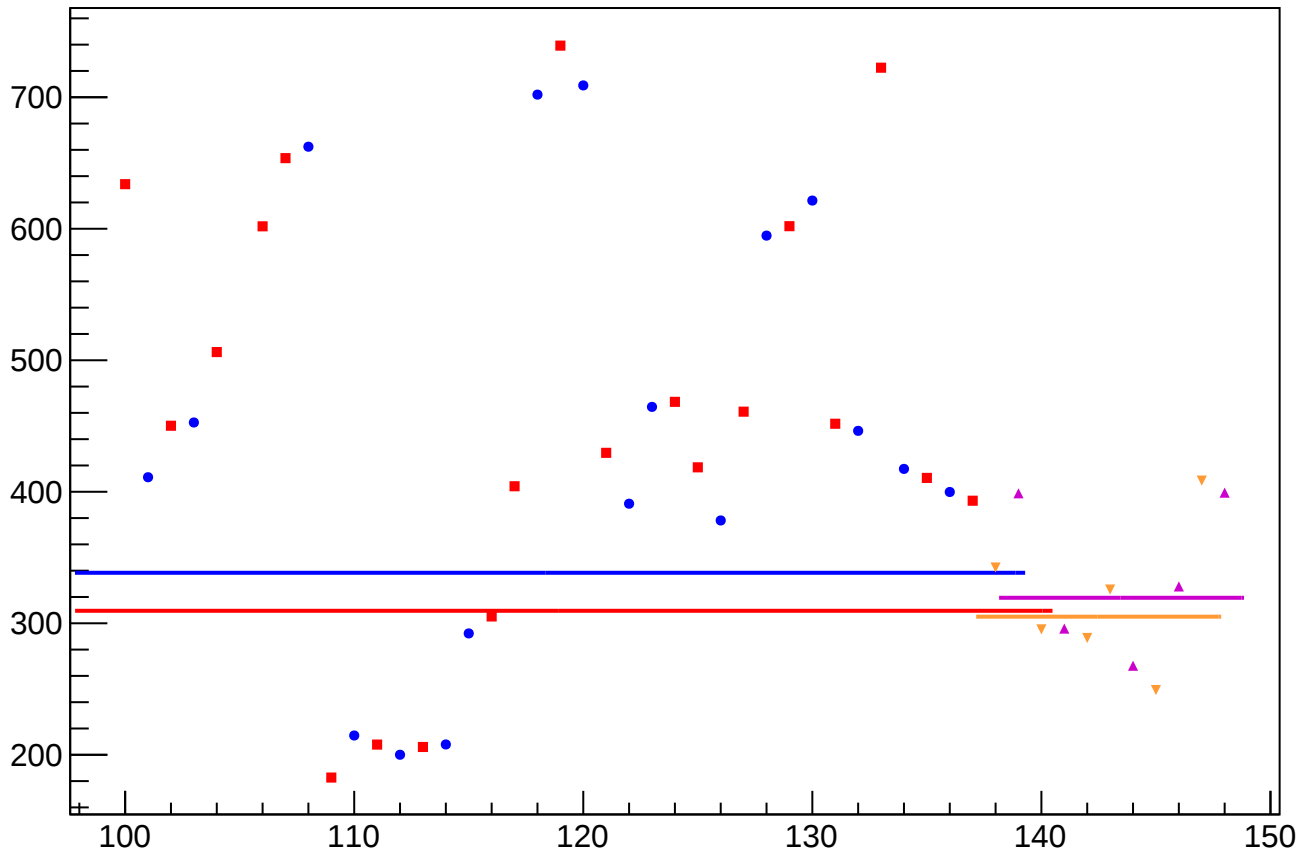
Right Out: 312.536+/-129.362 χ^2/NDF : 10.7/19

Left In: -231.005+/-161.200 χ^2/NDF : 3.4/4

298.535+/-104.160 χ^2/NDF : 40.6/22

99.616+/-100.892 χ^2/NDF : 21.0/24

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 305.027 $\pm$ 0.108 χ^2 /NDF: 201960.9/5

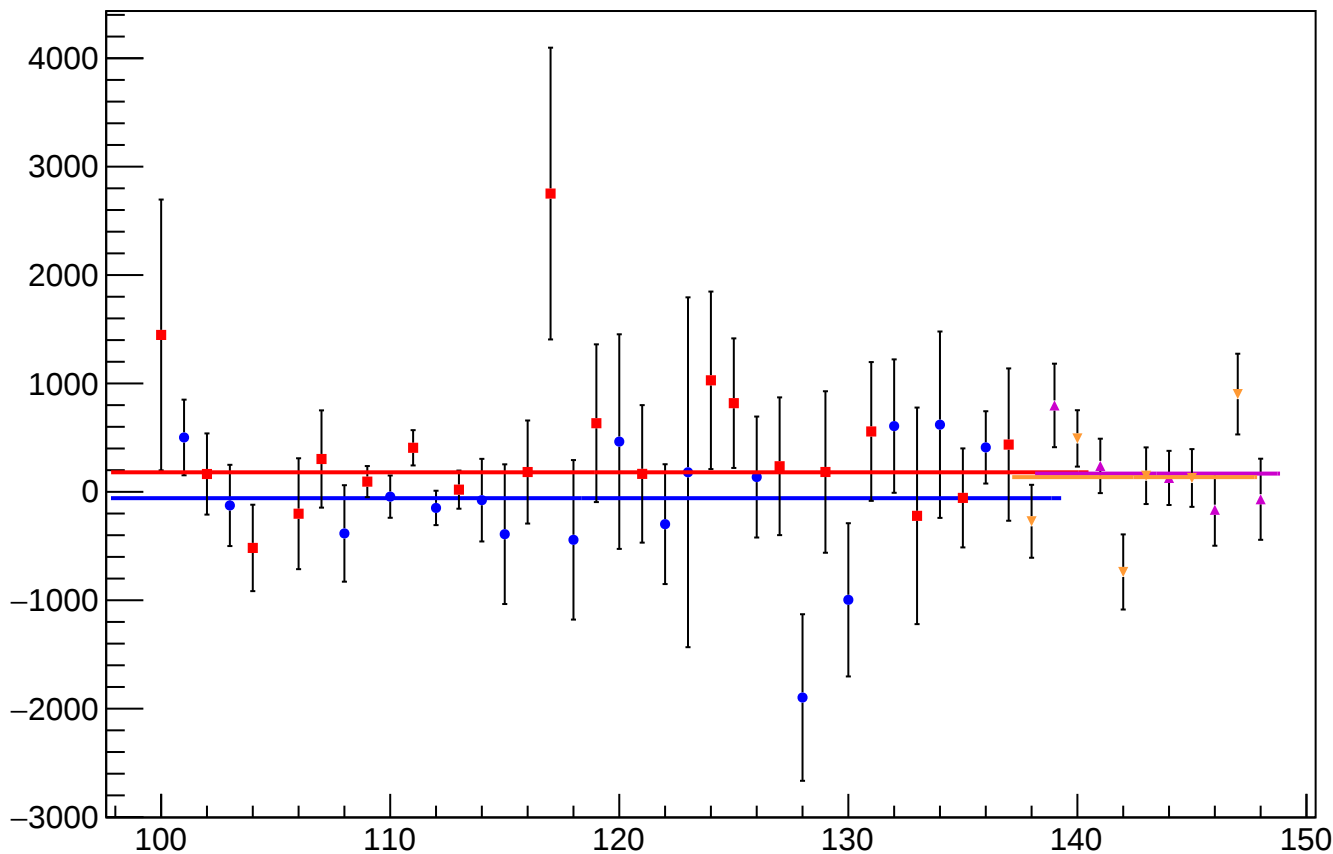
Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

Left In: 319.396 $\pm$ 0.114 χ^2 /NDF: 196864.1/4

322.770 $\pm$ 0.074 χ^2 /NDF: 2262396.3/22

313.378 $\pm$ 0.071 χ^2 /NDF: 2939683.1/24

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 135.814 ± 121.360 χ^2/NDF : 14.0/5

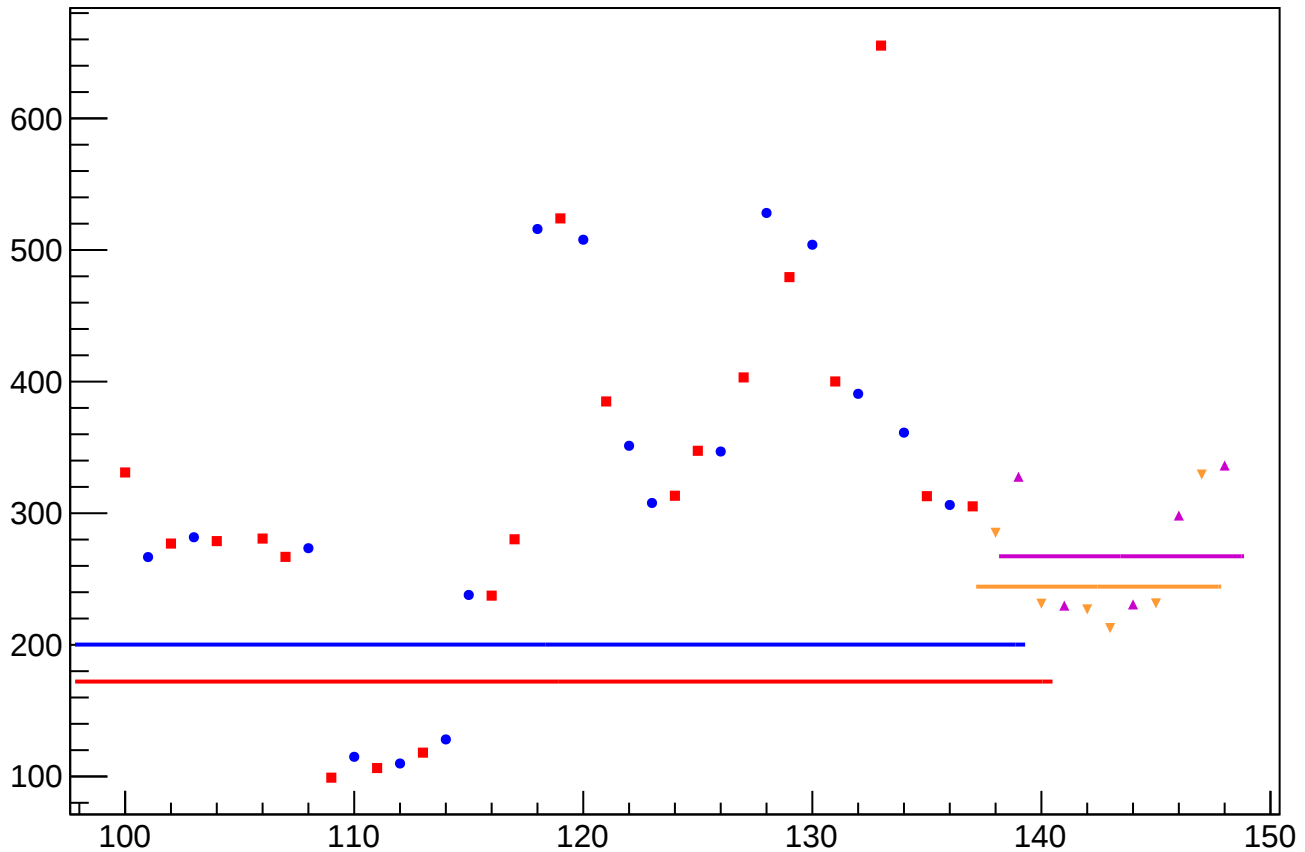
Right Out: 180.354 ± 76.795 χ^2/NDF : 15.0/19

Left In: 168.438 ± 135.010 χ^2/NDF : 4.2/4

11.054 ± 72.541 χ^2/NDF : 31.5/22

177.441 ± 66.752 χ^2/NDF : 19.2/24

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 244.227+/-0.086 χ^2/NDF :177746.7/5

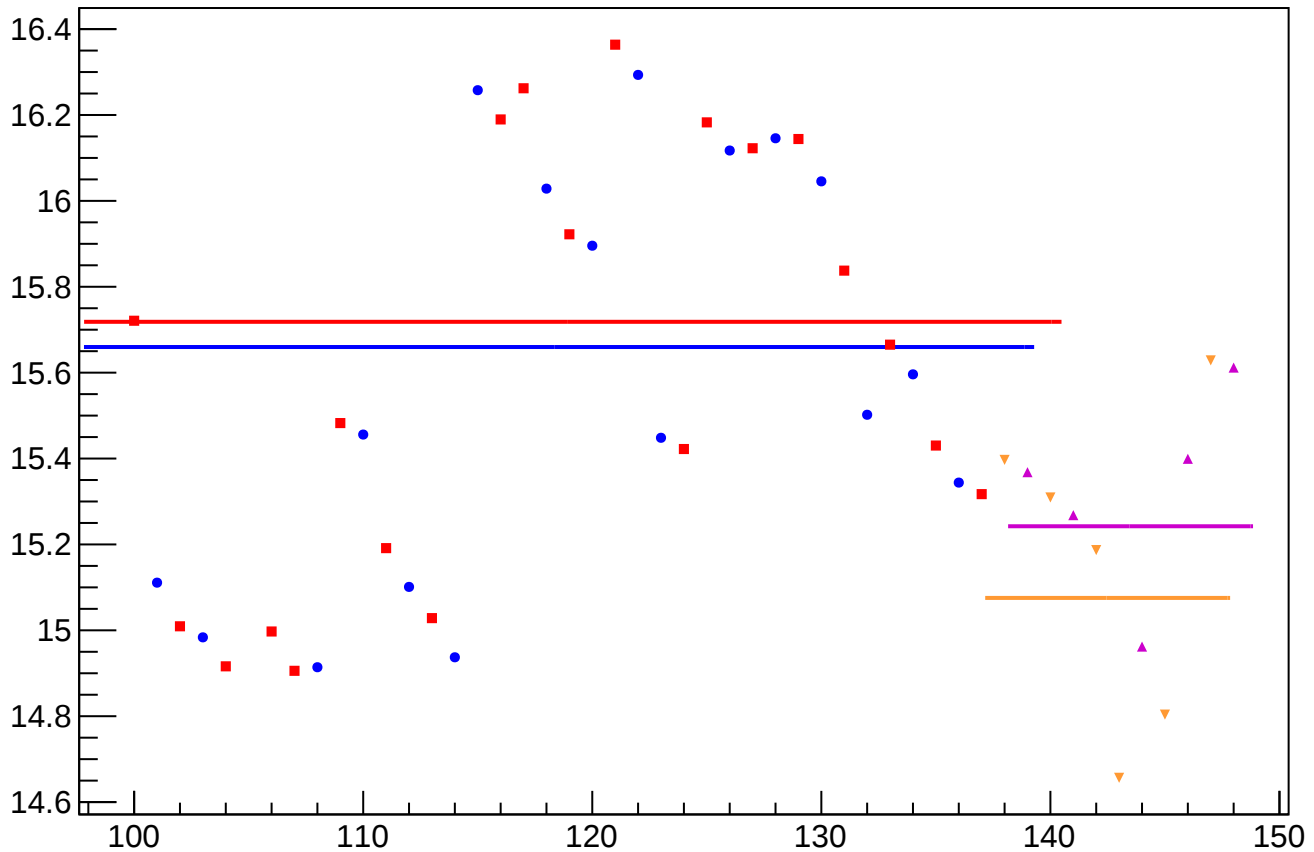
215.936+/-0.051 χ^2/NDF : 3734048.7/22

Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

195.379+/-0.047 χ^2/NDF : 5080103.3/24

Left In: 267.300+/-0.095 χ^2/NDF :222061.1/4

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.075 $\pm$ 0.000 χ^2 /NDF:3809708381.3/5

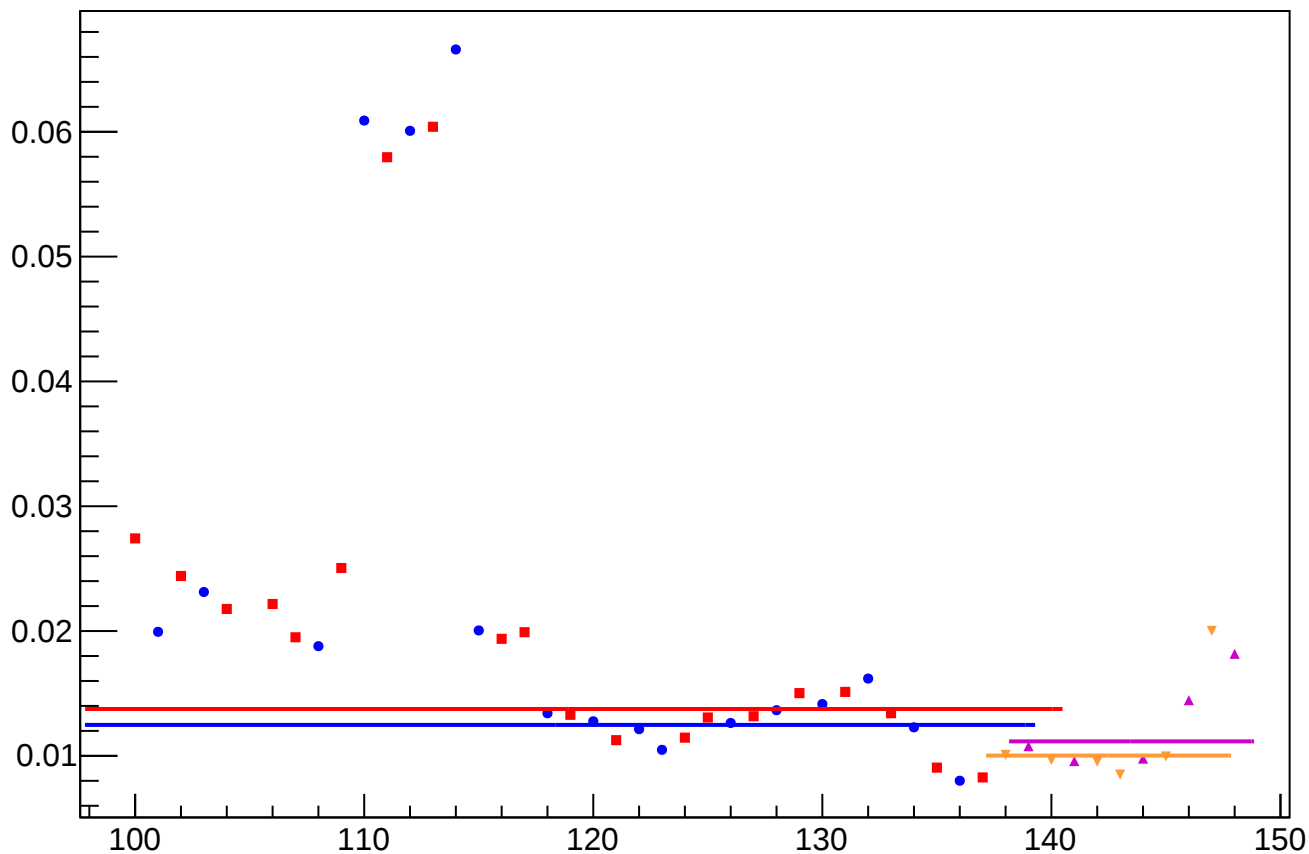
15.352 $\pm$ 0.000 χ^2 /NDF: 15543385258.3/22

Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

15.480 $\pm$ 0.000 χ^2 /NDF: 9952540844.6/24

Left In: 15.242 $\pm$ 0.000 χ^2 /NDF:1173427488.4/4

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:416641.4/5

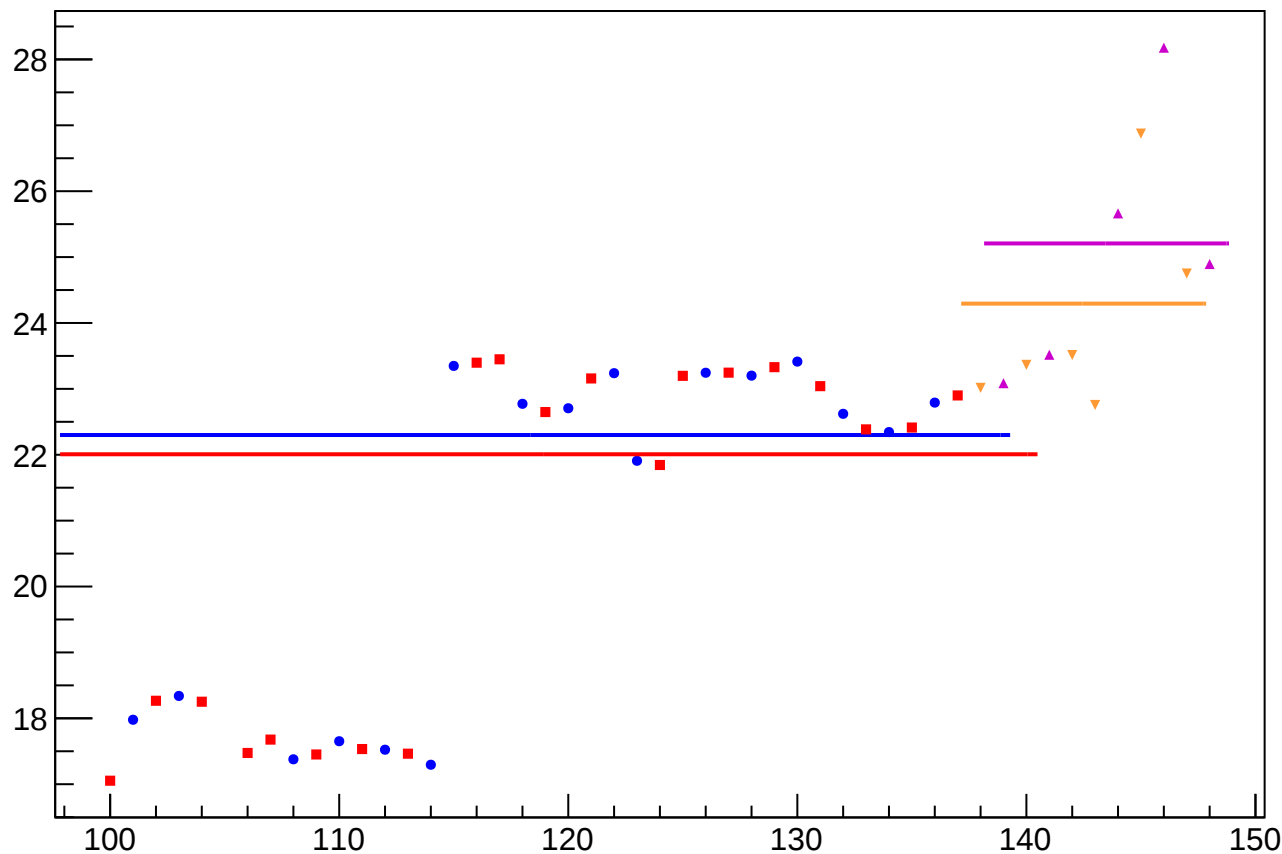
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:380596.6/4

0.011 $\pm$ 0.000 χ^2 /NDF: 2779739.1/22

0.012 $\pm$ 0.000 χ^2 /NDF: 2661258.2/24

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.294+/-0.000 χ^2/NDF : 787663201.2/5

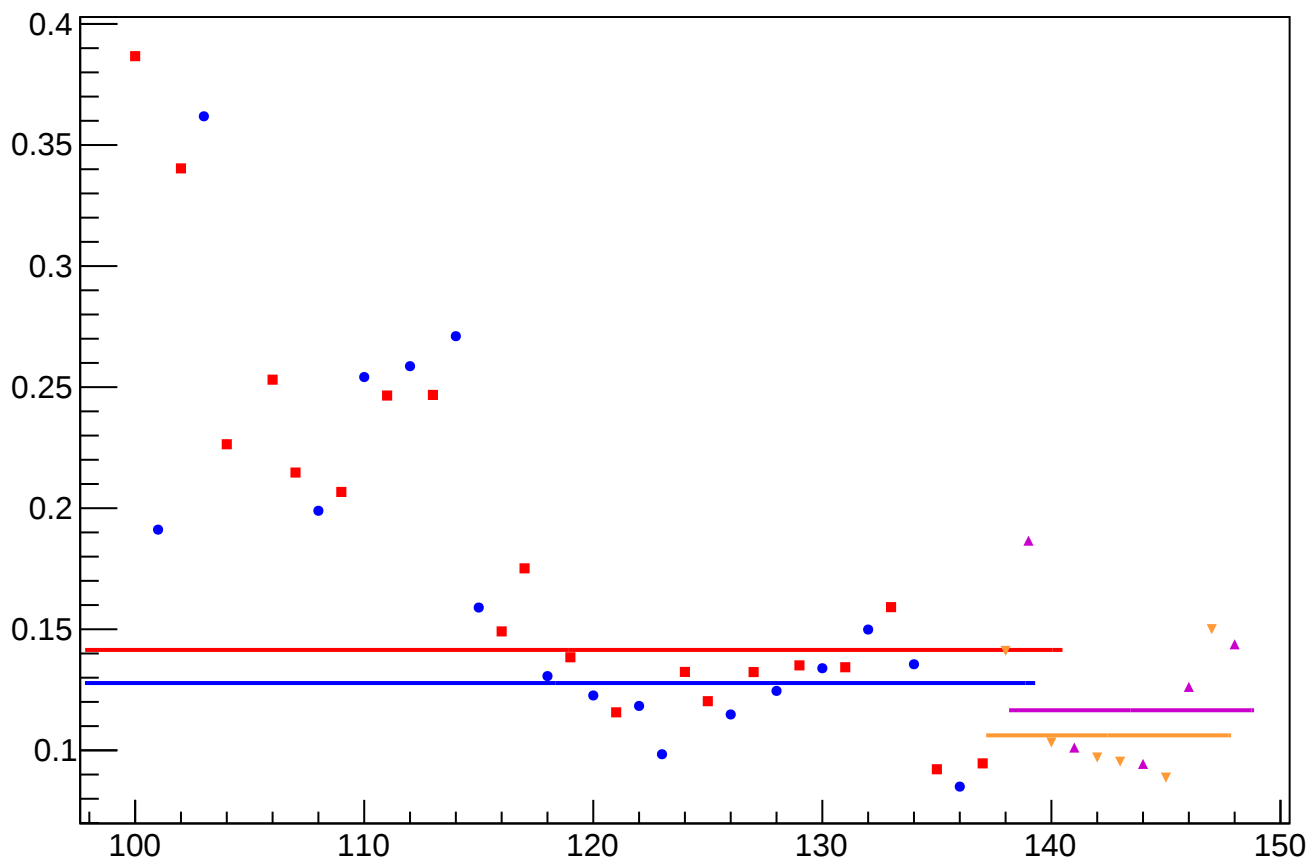
Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

Left In: 25.207+/-0.000 χ^2/NDF : 687538947.5/4

23.272+/-0.000 χ^2/NDF : 2326364164.3/22

23.514+/-0.000 χ^2/NDF : 3091866614.0/24

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.106+/-0.000 χ^2/NDF : 267575.7/5

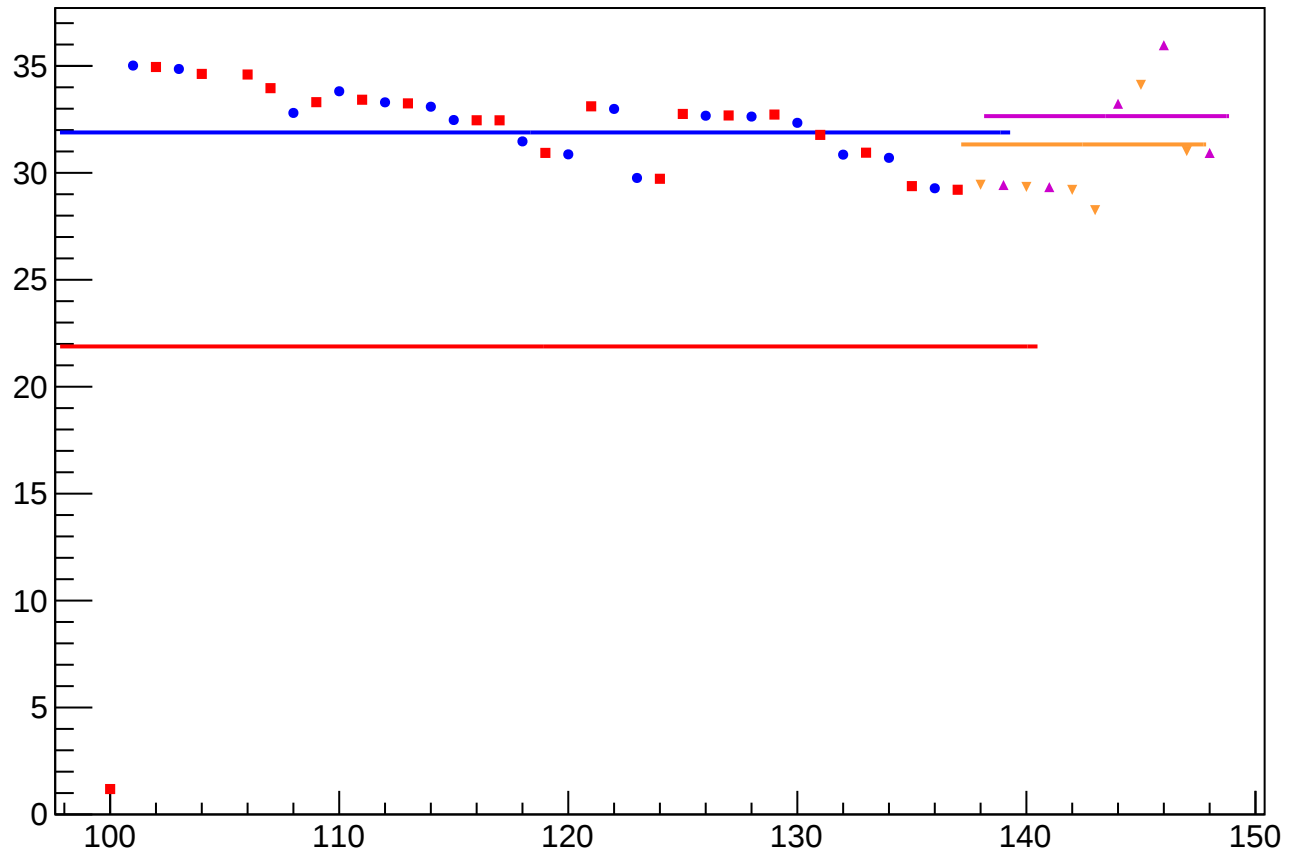
Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

Left In: 0.117+/-0.000 χ^2/NDF : 374076.3/4

0.117+/-0.000 χ^2/NDF : 1900701.1/22

0.130+/-0.000 χ^2/NDF : 1988262.0/24

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2 /NDF: 1930403776.3/16

Left Out: 31.329+/-0.000 χ^2 /NDF: 4118909871.5/5

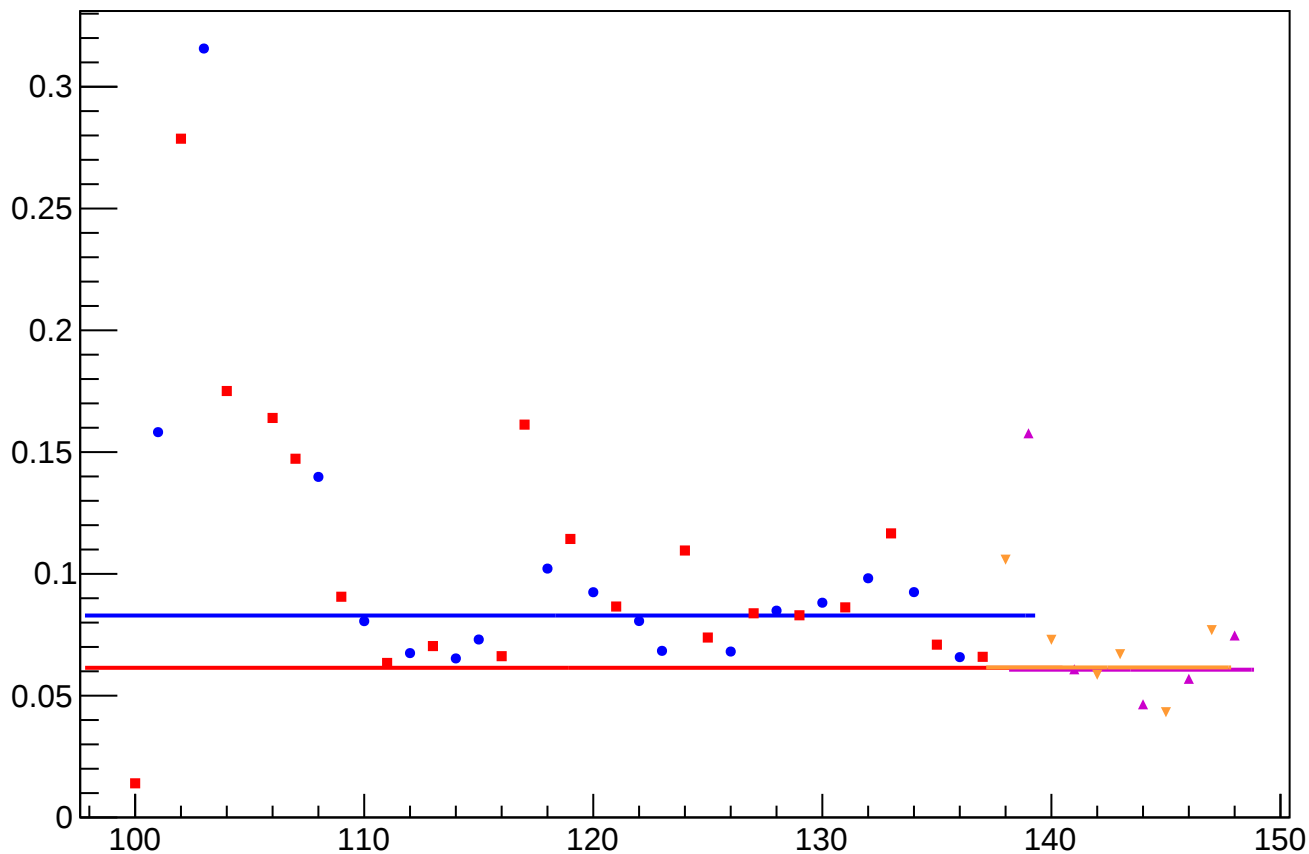
Right Out: 21.883+/-0.000 χ^2 /NDF: 230247118310.5/19

Left In: 32.652+/-0.000 χ^2 /NDF: 4424008045.8/4

31.607+/-0.000 χ^2 /NDF: 6162210779.7/22

26.309+/-0.000 χ^2 /NDF: 285480449484.4/24

yield_sam3_rms vs Slug



Right In: 0.083 ± 0.000 $\chi^2/\text{NDF}: 1164452.3/16$

Left Out: 0.062 ± 0.000 $\chi^2/\text{NDF}: 474600.4/5$

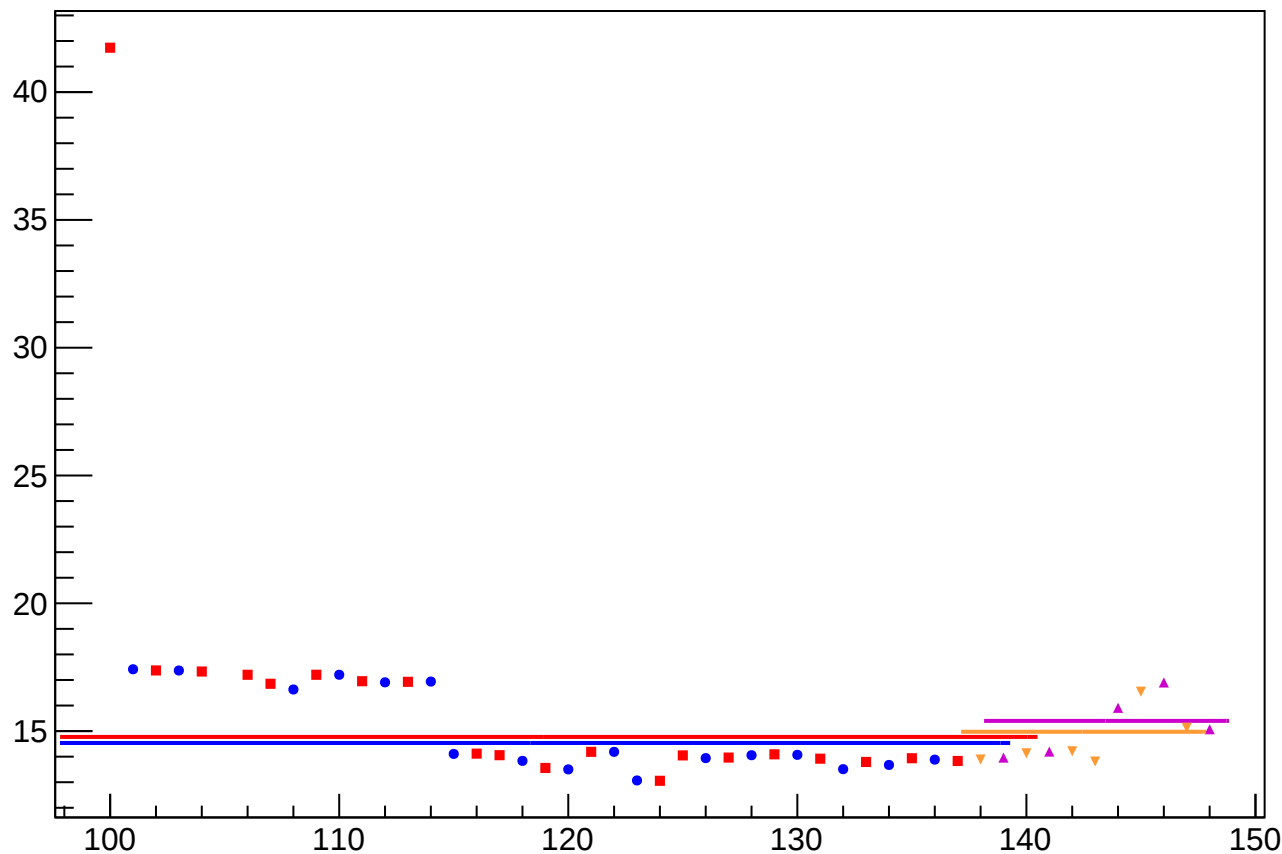
Right Out: 0.061 ± 0.000 $\chi^2/\text{NDF}: 3635656.2/19$

Left In: 0.061 ± 0.000 $\chi^2/\text{NDF}: 700079.3/4$

0.072 ± 0.000 $\chi^2/\text{NDF}: 1965870.8/22$

0.061 ± 0.000 $\chi^2/\text{NDF}: 4336267.4/24$

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.974+/-0.000 χ^2/NDF : 941859163.1/5

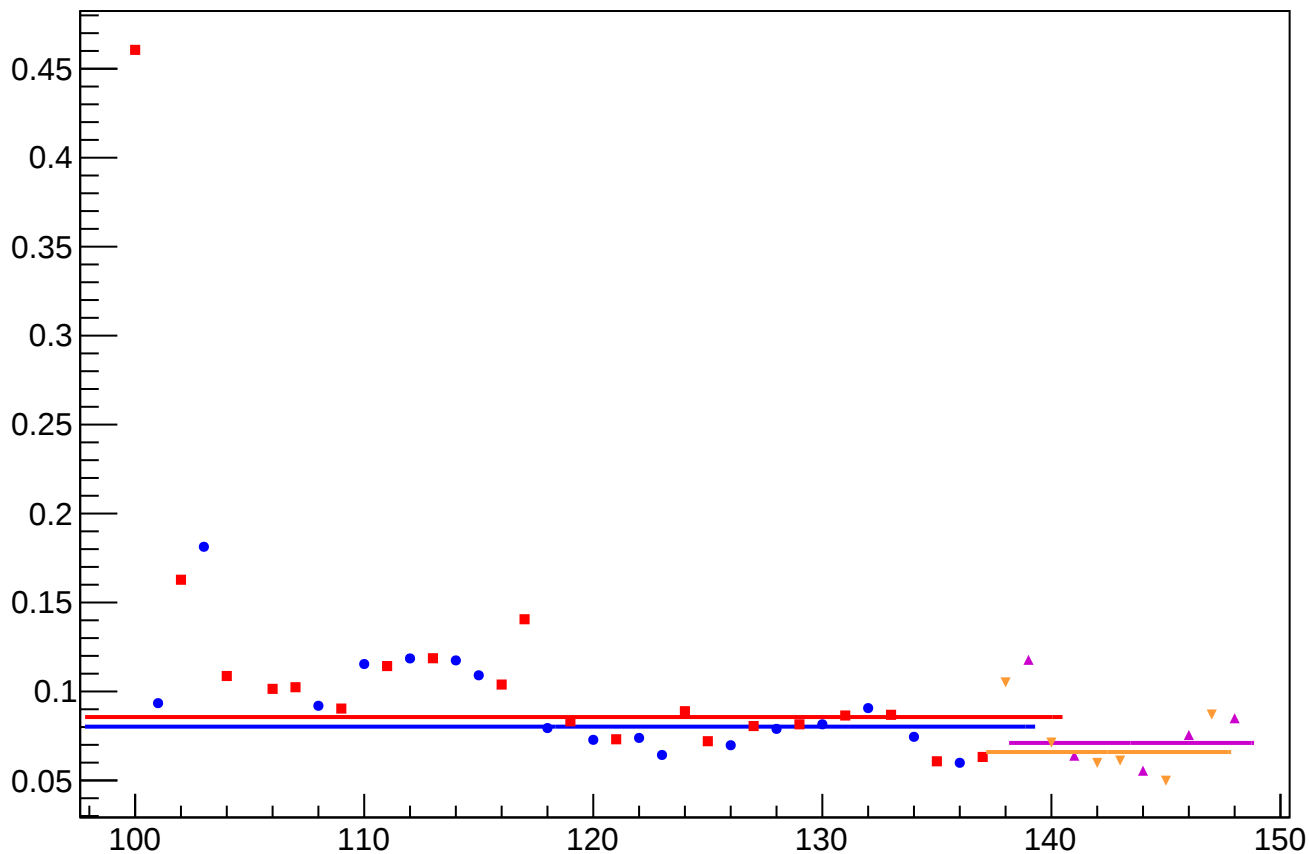
Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

Left In: 15.399+/-0.000 χ^2/NDF : 658304064.7/4

14.734+/-0.000 χ^2/NDF : 2487162499.4/22

15.047+/-0.000 χ^2/NDF : 2685270036.8/24

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.066+/-0.000 χ^2/NDF : 400370.3/5

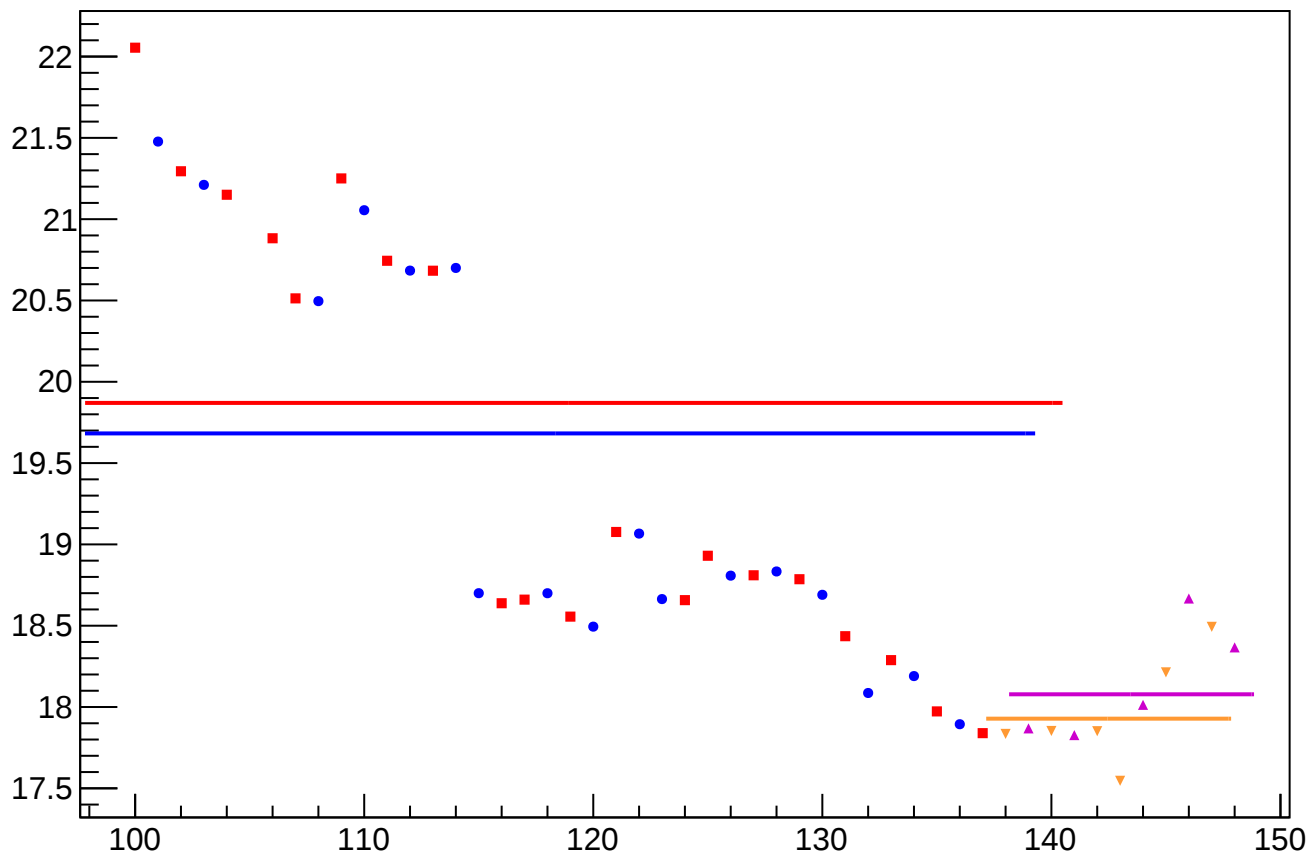
Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

Left In: 0.071+/-0.000 χ^2/NDF : 382543.3/4

0.074+/-0.000 χ^2/NDF : 1337192.0/22

0.079+/-0.000 χ^2/NDF : 1282469.3/24

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.928+/-0.000 χ^2/NDF : 270092525.1/5

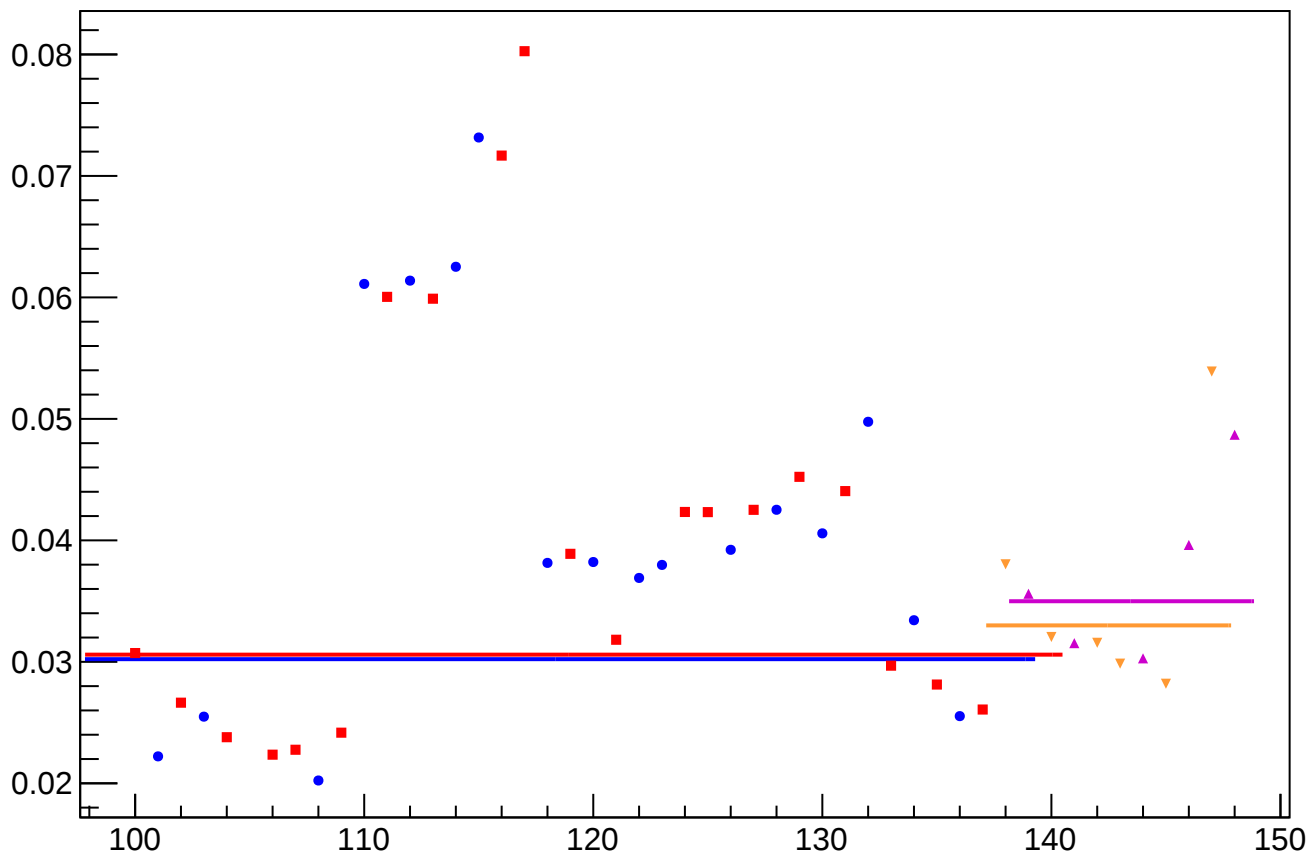
Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

Left In: 18.078+/-0.000 χ^2/NDF : 271449096.8/4

19.047+/-0.000 χ^2/NDF : 19363882410.1/22

19.288+/-0.000 χ^2/NDF : 18206286422.5/24

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.033+/-0.000 χ^2/NDF : 308868.4/5

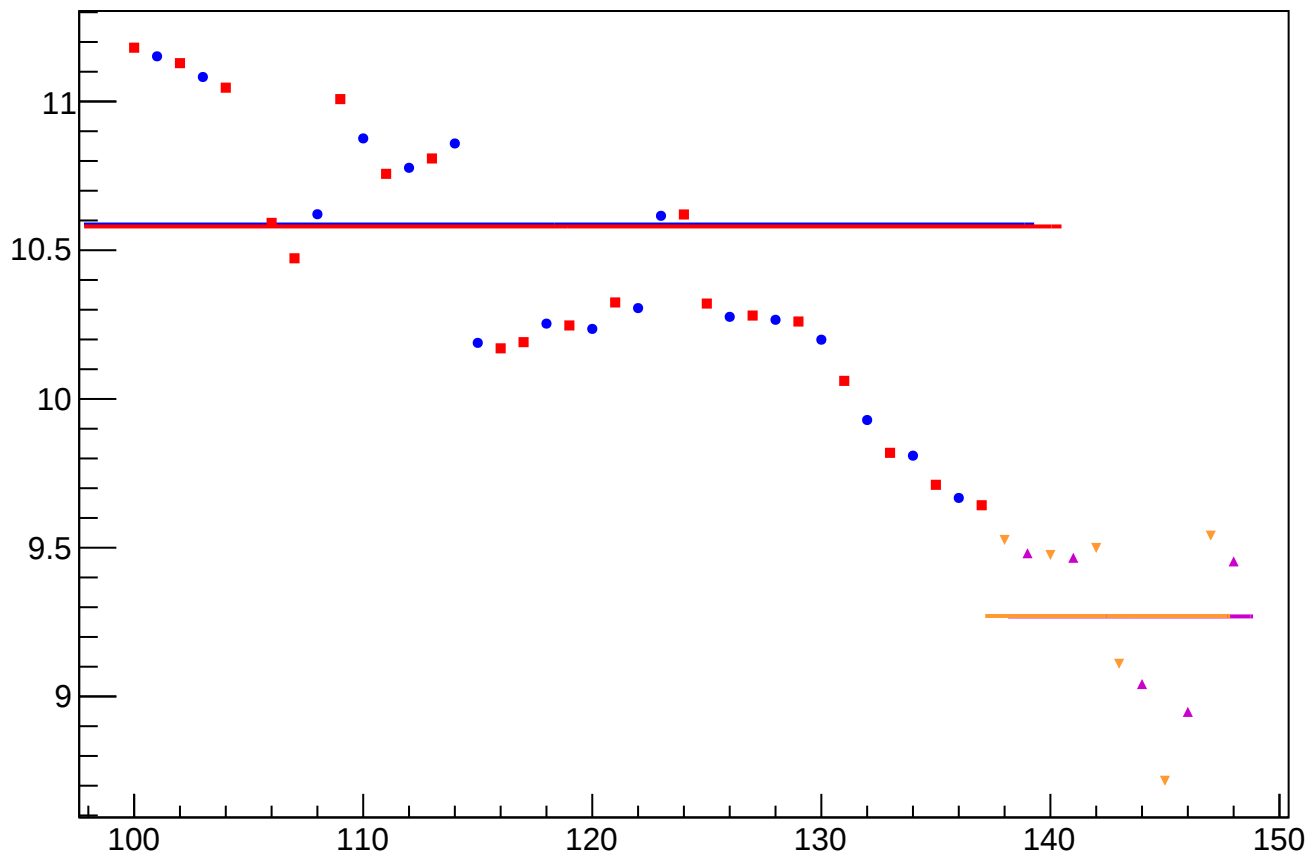
Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

Left In: 0.035+/-0.000 χ^2/NDF : 200045.4/4

0.031+/-0.000 χ^2/NDF : 1667629.2/22

0.032+/-0.000 χ^2/NDF : 1498767.3/24

yield_sam6_mean vs Slug



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.271+/-0.000 χ^2/NDF : 937964846.8/5

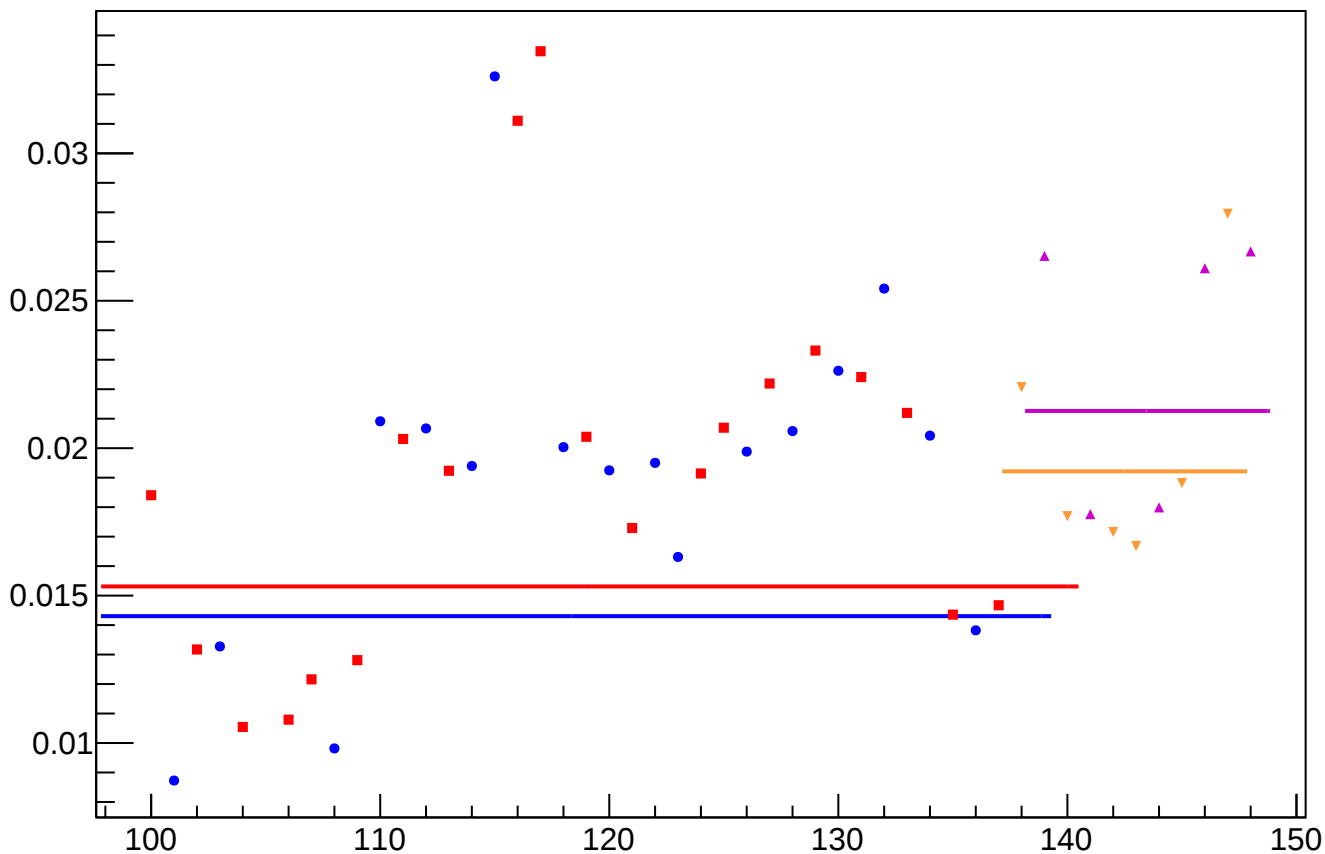
Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

Left In: 9.269+/-0.000 χ^2/NDF : 409623505.8/4

10.225+/-0.000 χ^2/NDF : 20728590695.4/22

10.266+/-0.000 χ^2/NDF : 16578209140.5/24

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 217541.7/5

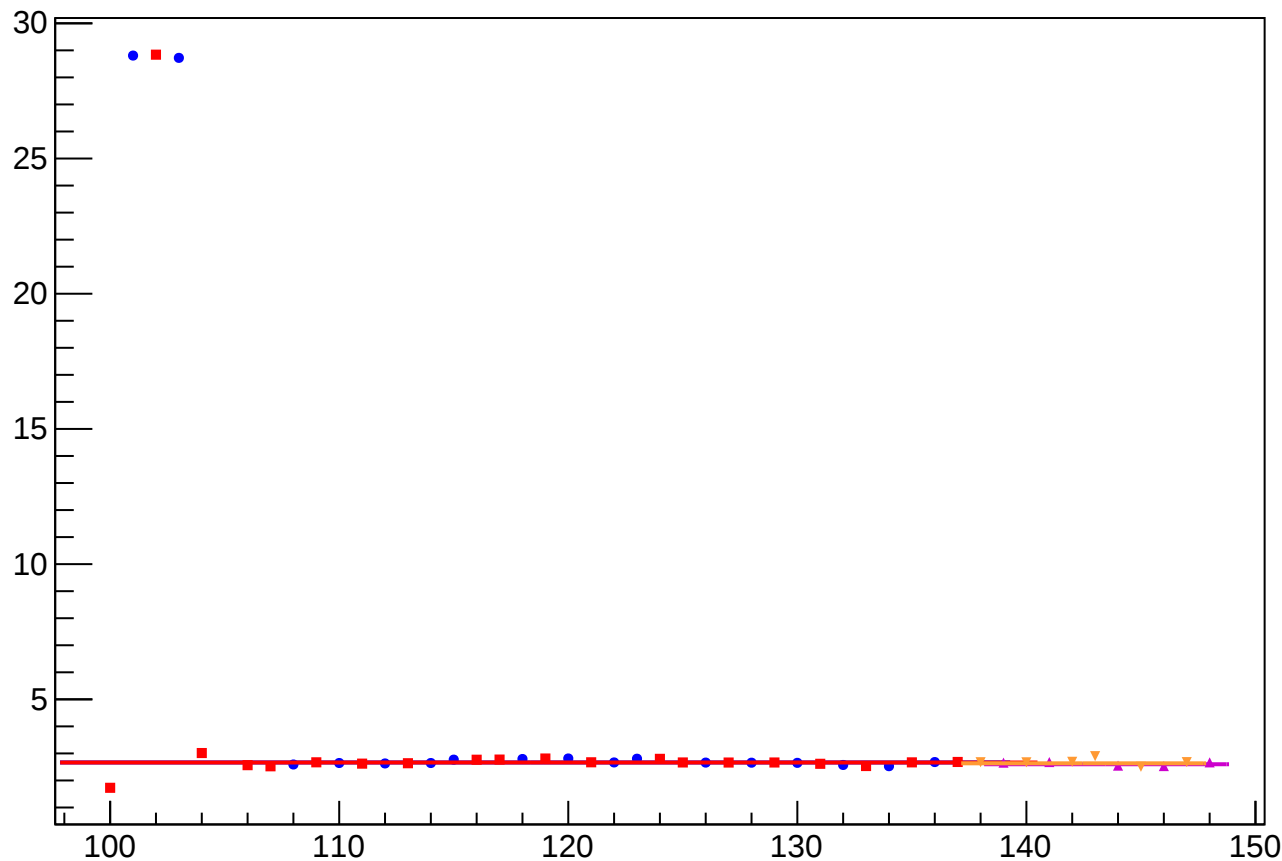
Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

Left In: 0.021+/-0.000 χ^2/NDF : 278865.2/4

0.016+/-0.000 χ^2/NDF : 1970313.7/22

0.017+/-0.000 χ^2/NDF : 1719130.6/24

yield_sam7_mean vs Slug



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.634+/-0.000 χ^2/NDF : 11119959889.6/5

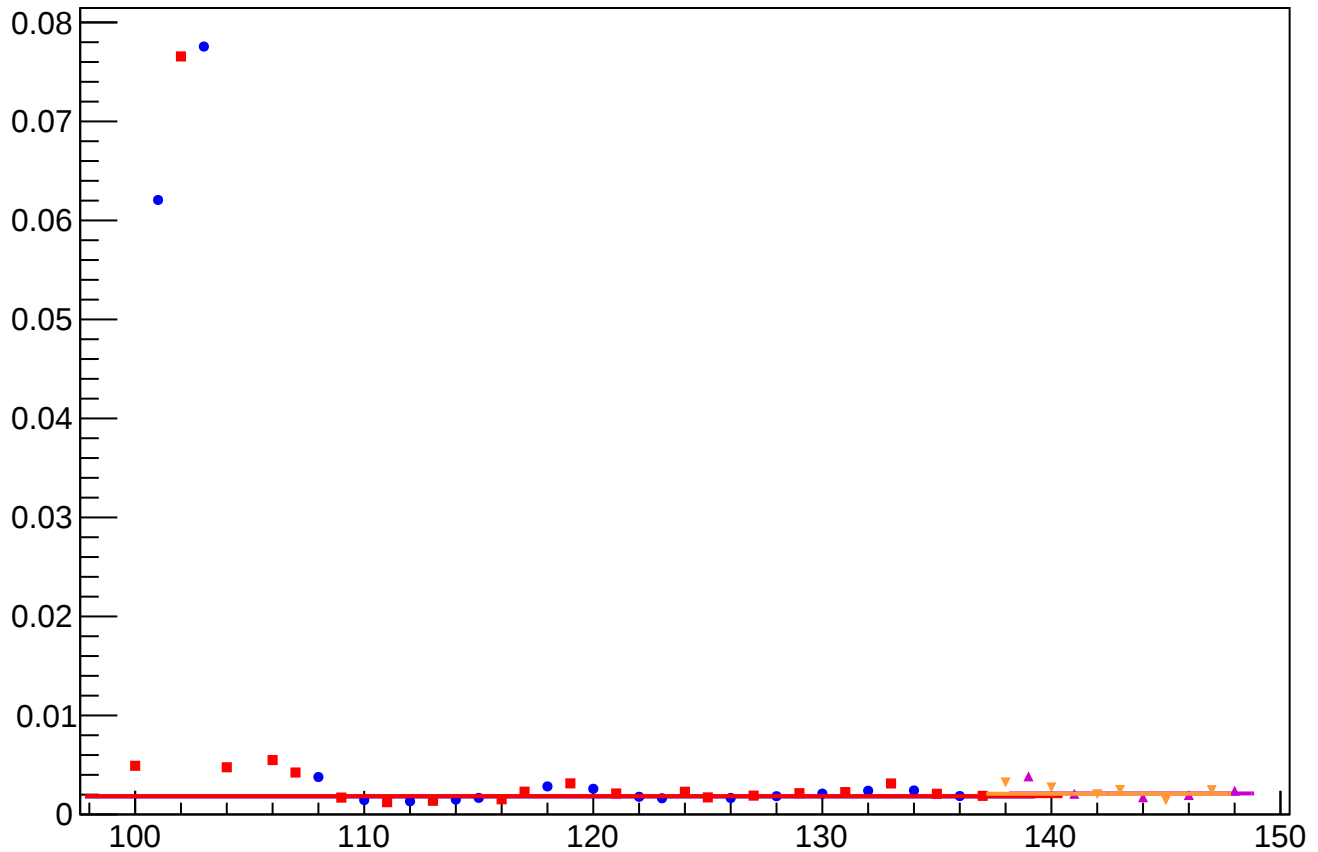
Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

Left In: 2.600+/-0.000 χ^2/NDF : 3052540995.6/4

2.655+/-0.000 χ^2/NDF : 174753619815.8/22

2.643+/-0.000 χ^2/NDF : 75468331374.0/24

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF :517295.0/5

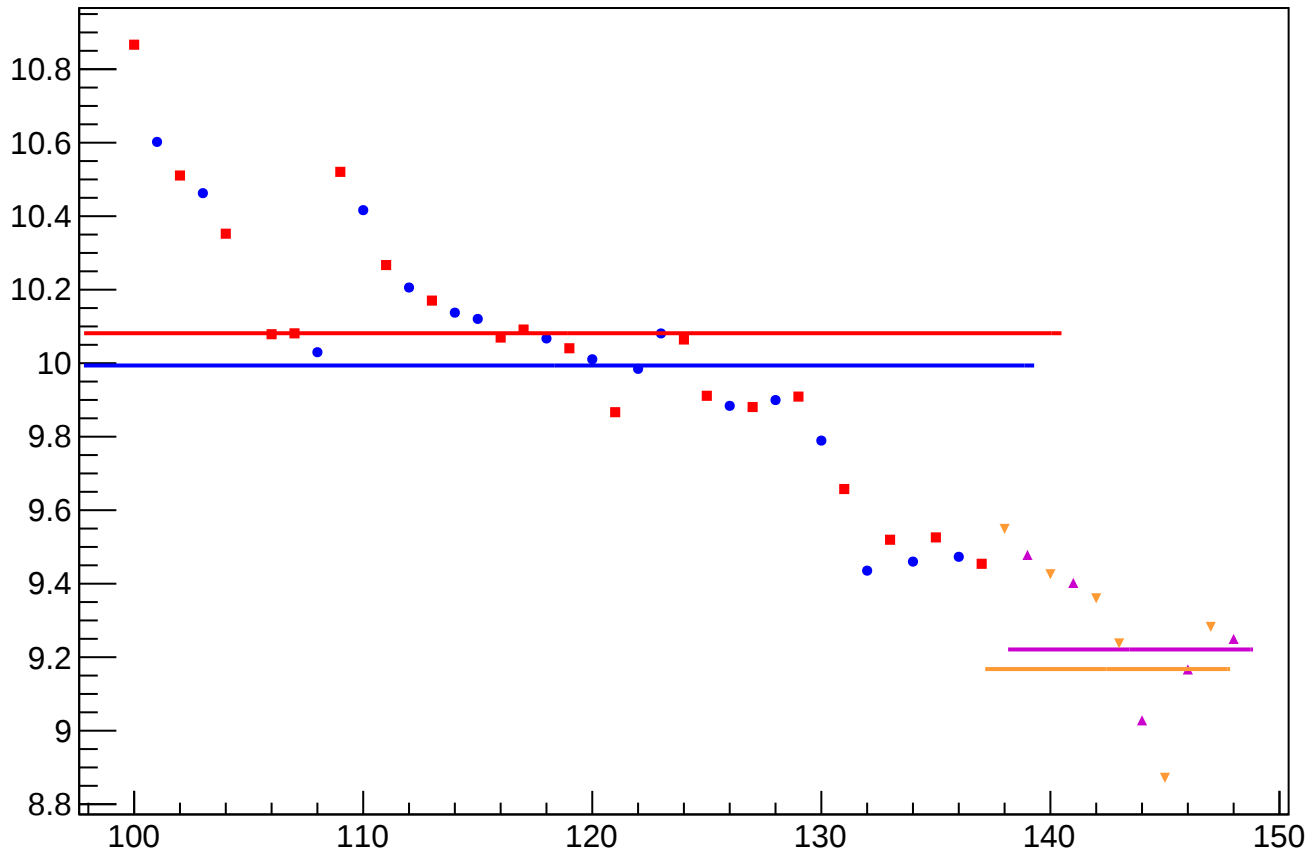
Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

Left In: 0.002+/-0.000 χ^2/NDF :370349.2/4

0.002+/-0.000 χ^2/NDF : 3246278.1/22

0.002+/-0.000 χ^2/NDF : 2774492.7/24

yield_sam8_mean vs Slug



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.168+/-0.000 χ^2/NDF : 4524269755.4/5

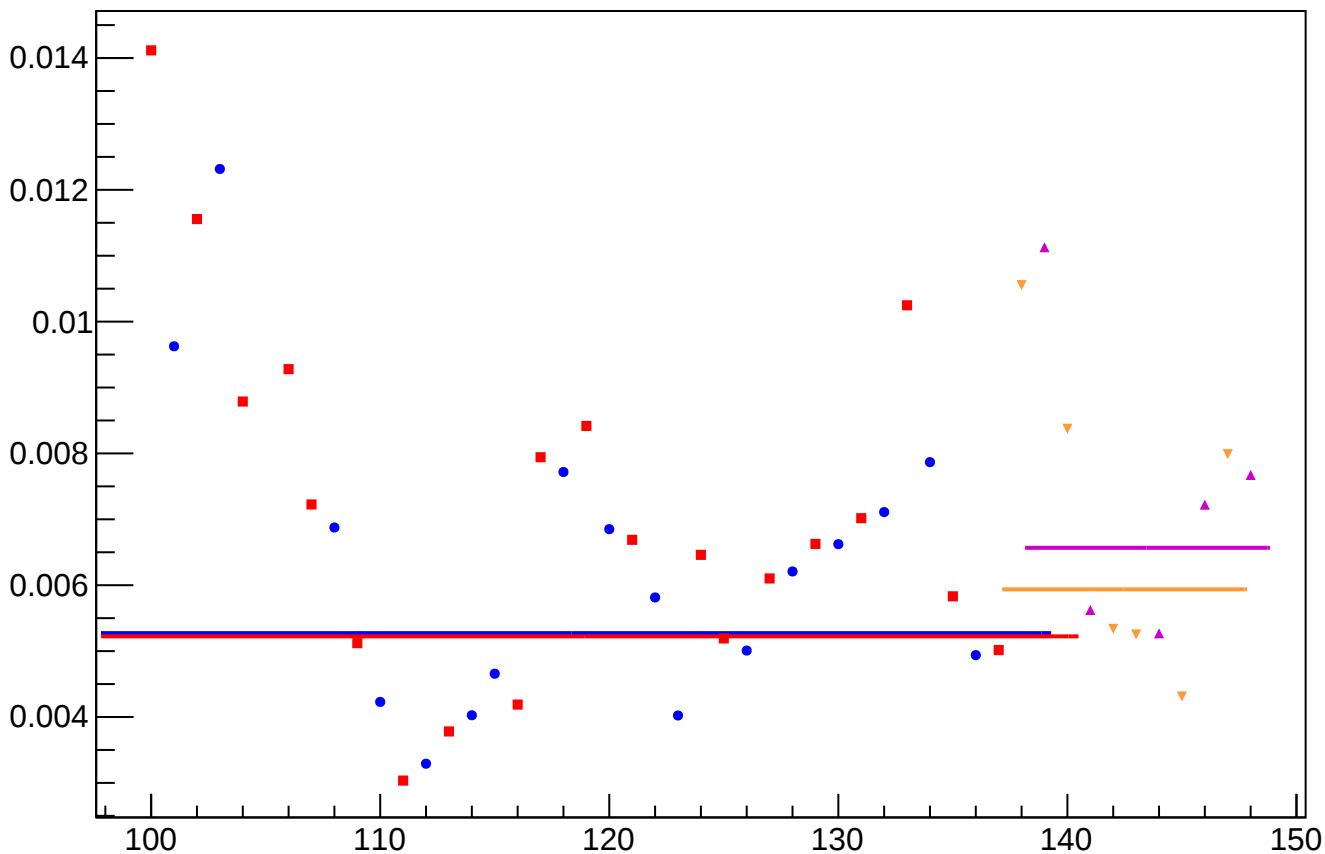
9.734+/-0.000 χ^2/NDF : 62067484348.1/22

Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

9.849+/-0.000 χ^2/NDF : 56000211385.5/24

Left In: 9.221+/-0.000 χ^2/NDF : 1858699973.2/4

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 597997.8/5

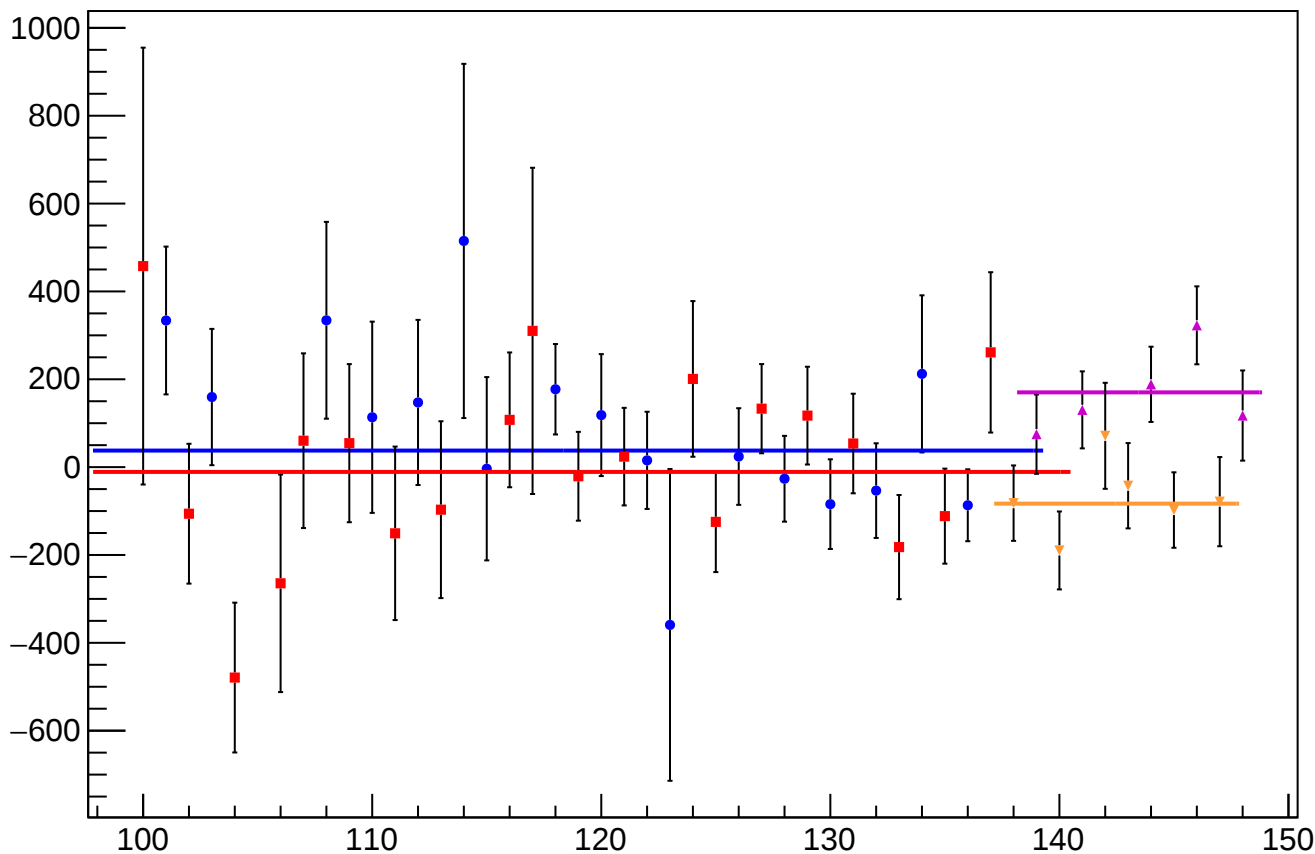
Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

Left In: 0.007+/-0.000 χ^2/NDF : 378328.2/4

0.005+/-0.000 χ^2/NDF : 1893690.9/22

0.006+/-0.000 χ^2/NDF : 2234340.4/24

reg_asym_sam1_mean vs Slug



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -83.113 $\pm$ 38.633 χ^2 /NDF: 3.3/5

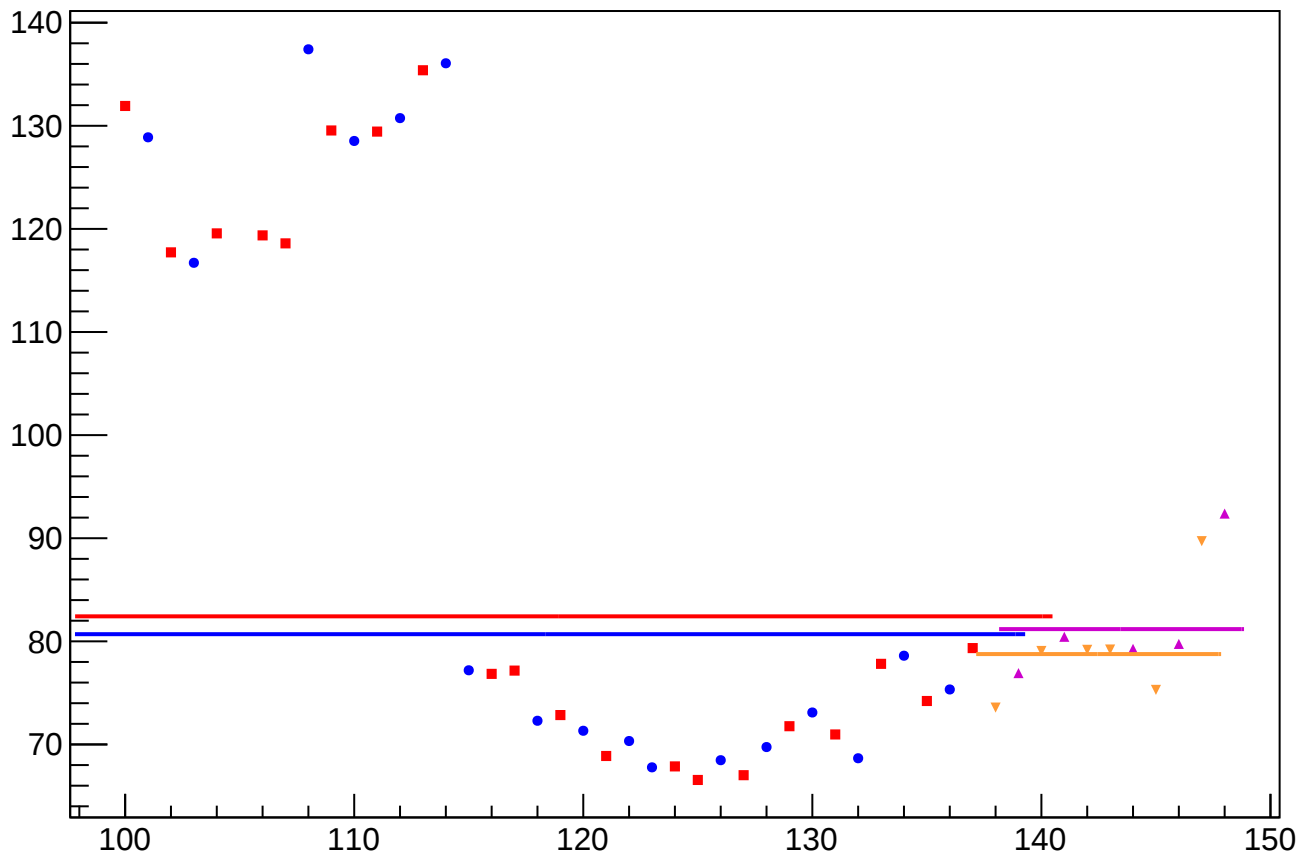
Right Out: -10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

Left In: 170.217 $\pm$ 40.456 χ^2 /NDF: 4.6/4

-11.925 $\pm$ 24.759 χ^2 /NDF: 25.7/22

58.675 $\pm$ 25.072 χ^2 /NDF: 40.4/24

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 78.765 $\pm$ 0.027 χ^2 /NDF:33937.9/5

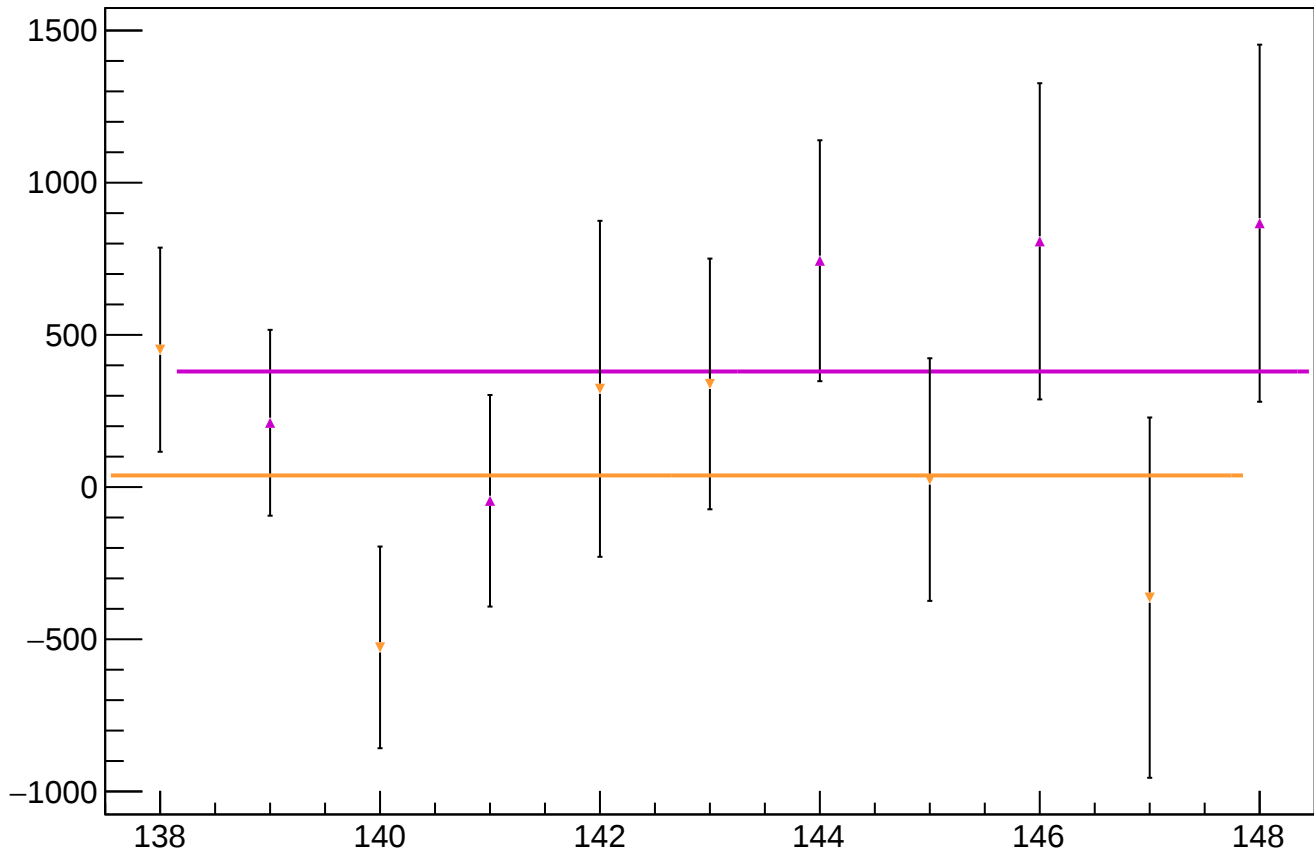
Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

Left In: 81.186 $\pm$ 0.029 χ^2 /NDF:29959.4/4

79.902 $\pm$ 0.018 χ^2 /NDF: 850902.7/22

81.949 $\pm$ 0.018 χ^2 /NDF: 946395.5/24

asym_sam1_correction_mean vs Slug



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

Left Out: 38.251+/-165.902 χ^2/NDF : 5.7/5

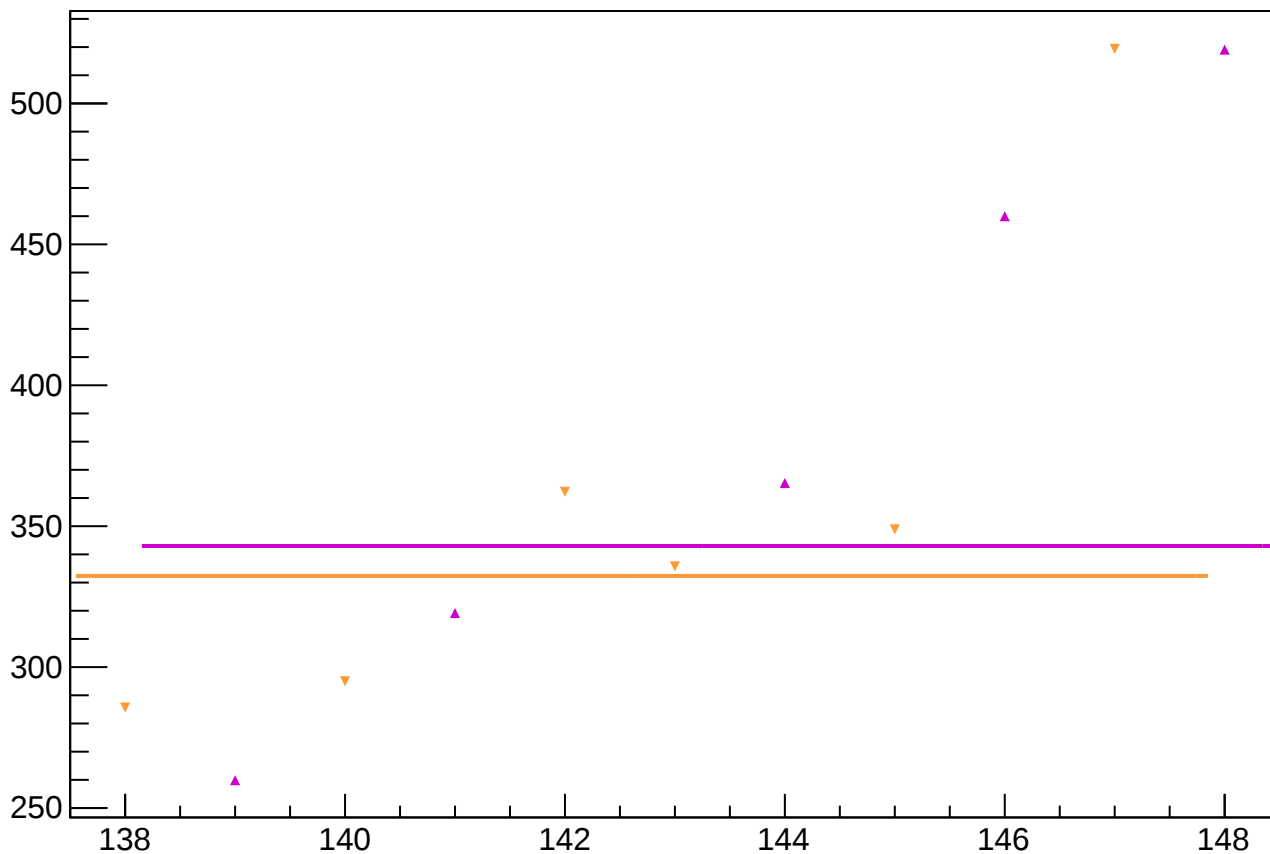
38.251+/-165.902 χ^2/NDF : 5.7/5

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

379.759+/-176.763 χ^2/NDF : 4.0/4

Left In: 379.759+/-176.763 χ^2/NDF : 4.0/4

asym_sam1_correction_rms vs Slug



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

Left Out: 332.356+/-0.117 χ^2/NDF : 273337.8/5

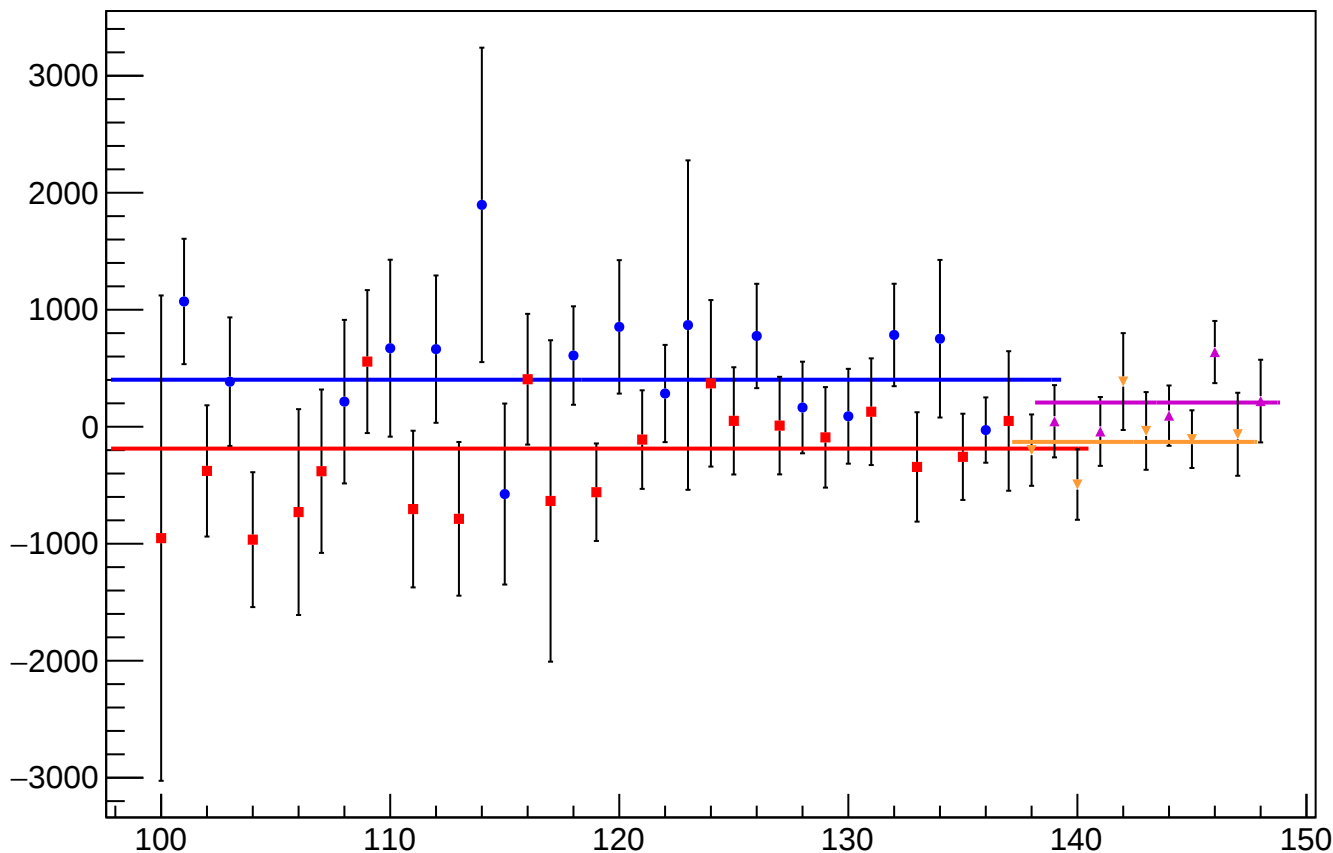
332.356+/-0.117 χ^2/NDF : 273337.8/5

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

342.973+/-0.125 χ^2/NDF : 445695.3/4

Left In: 342.973+/-0.125 χ^2/NDF : 445695.3/4

reg_asym_sam2_mean vs Slug



Right In: 401.871 ± 121.048 χ^2/NDF : 10.9/16

Left Out: -129.618 ± 127.999 χ^2/NDF : 3.2/5

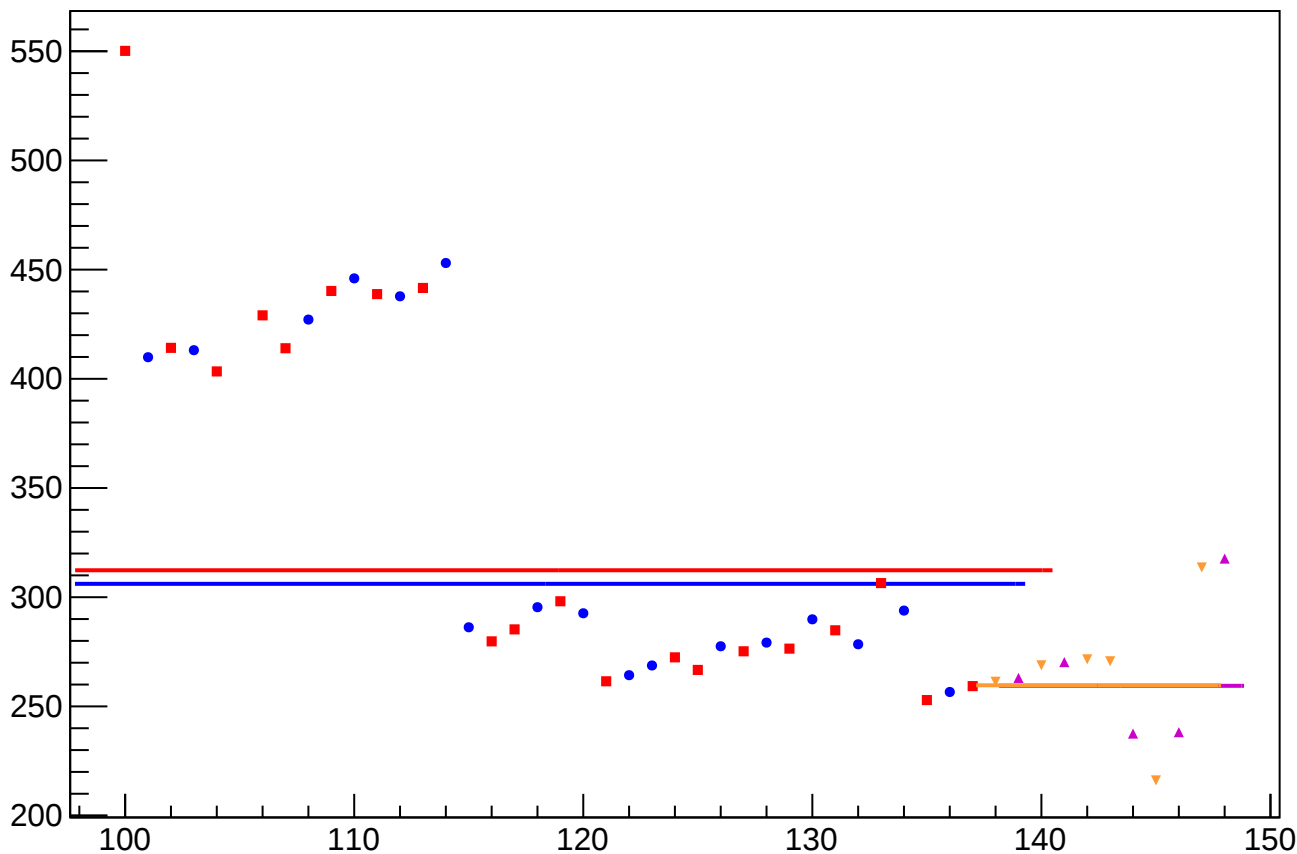
Right Out: -186.914 ± 119.879 χ^2/NDF : 9.4/19

Left In: 206.826 ± 129.906 χ^2/NDF : 3.8/4

150.950 ± 87.948 χ^2/NDF : 23.2/22

-5.825 ± 88.099 χ^2/NDF : 18.2/24

reg_asym_sam2_rms vs Slug



Right In: 306.123 ± 0.086 χ^2/NDF : 508435.8/16

Left Out: 259.666 ± 0.091 χ^2/NDF : 114370.9/5

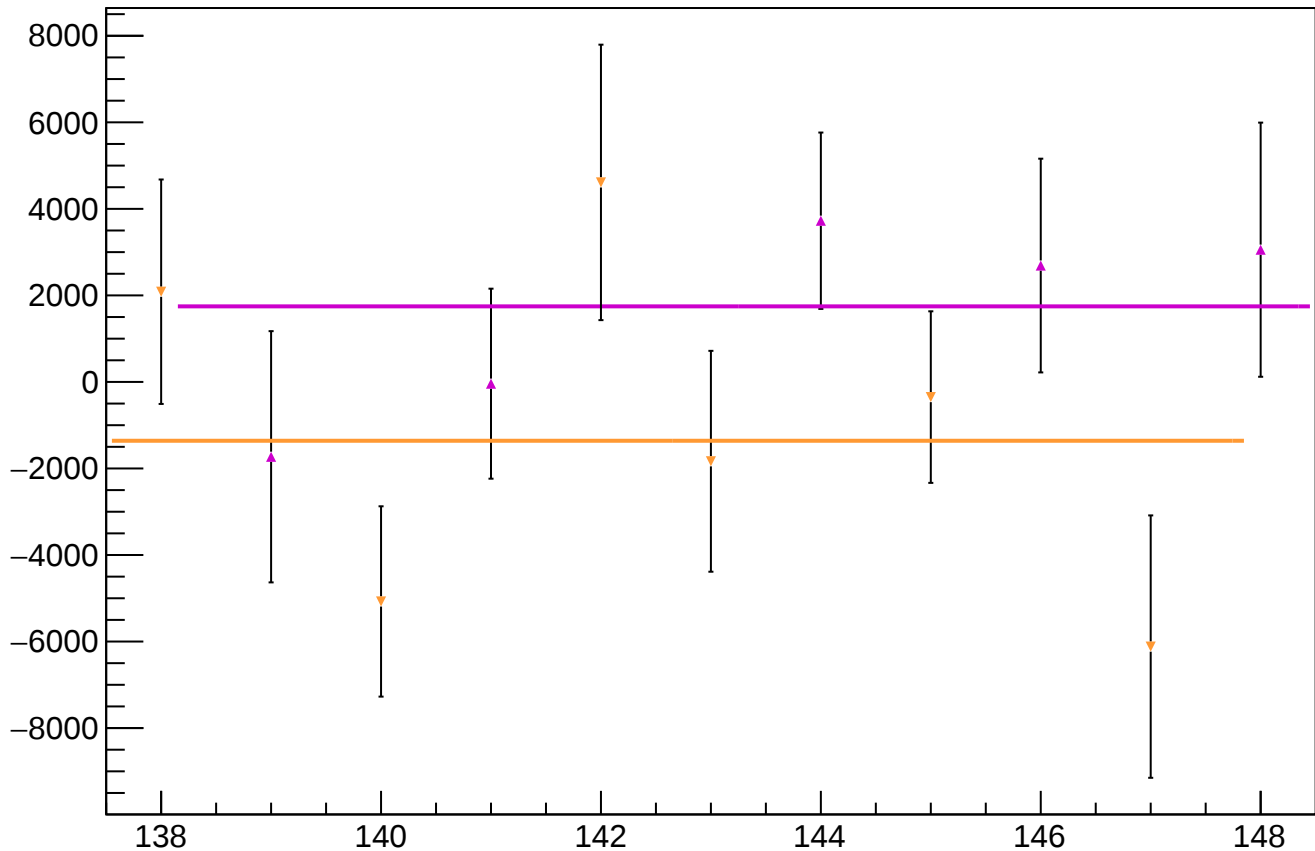
Right Out: 312.335 ± 0.085 χ^2/NDF : 626552.3/19

Left In: 259.427 ± 0.092 χ^2/NDF : 84556.1/4

284.190 ± 0.062 χ^2/NDF : 761892.2/22

288.001 ± 0.062 χ^2/NDF : 890280.0/24

asym_sam2_correction_mean vs Slug



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

Left Out: -1359.655+/-1014.992 χ^2/NDF : 10.9/5

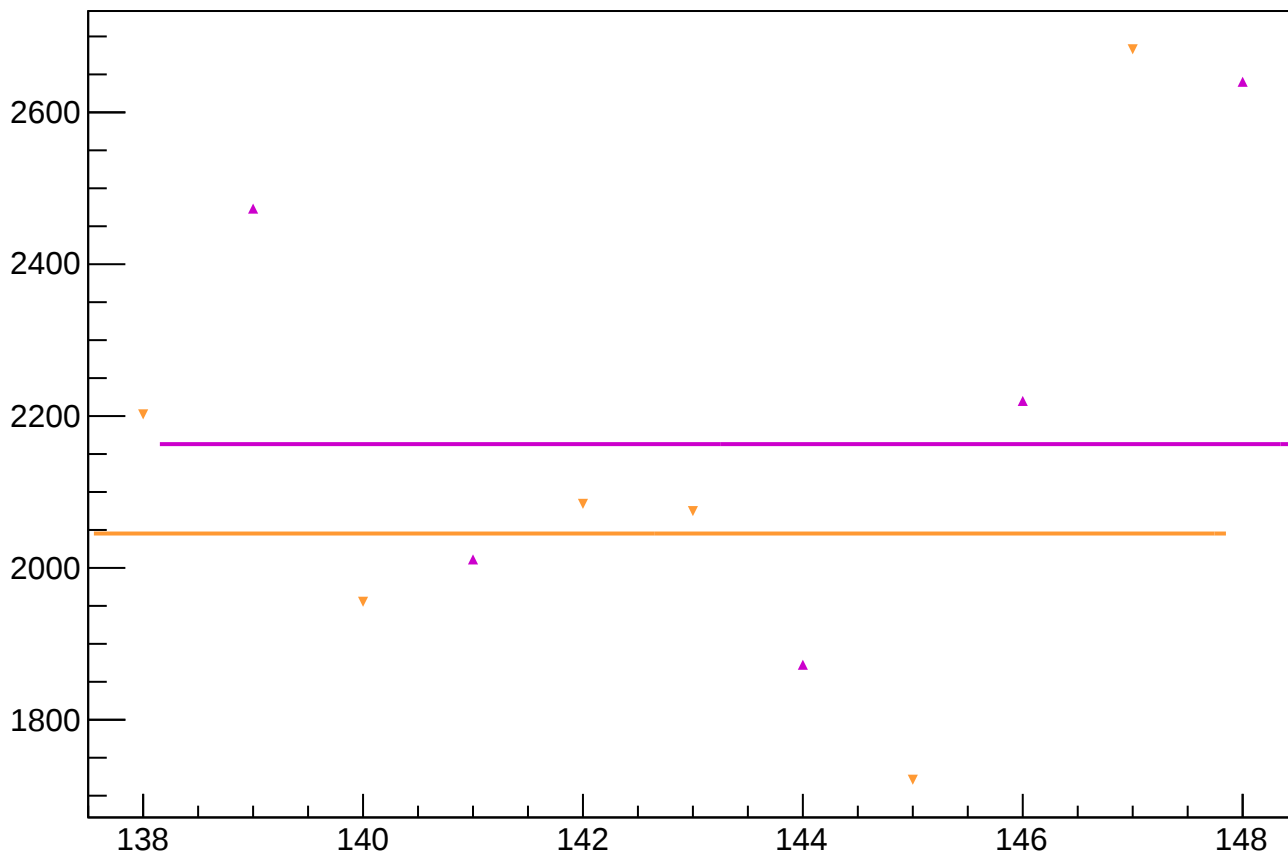
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1746.526+/-1086.788 χ^2/NDF : 3.4/4

-1359.655+/-1014.992 χ^2/NDF : 10.9/5

1746.526+/-1086.788 χ^2/NDF : 3.4/4

asym_sam2_correction_rms vs Slug



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

Left Out: 2045.300+/-0.718 χ^2/NDF :153209.9/5

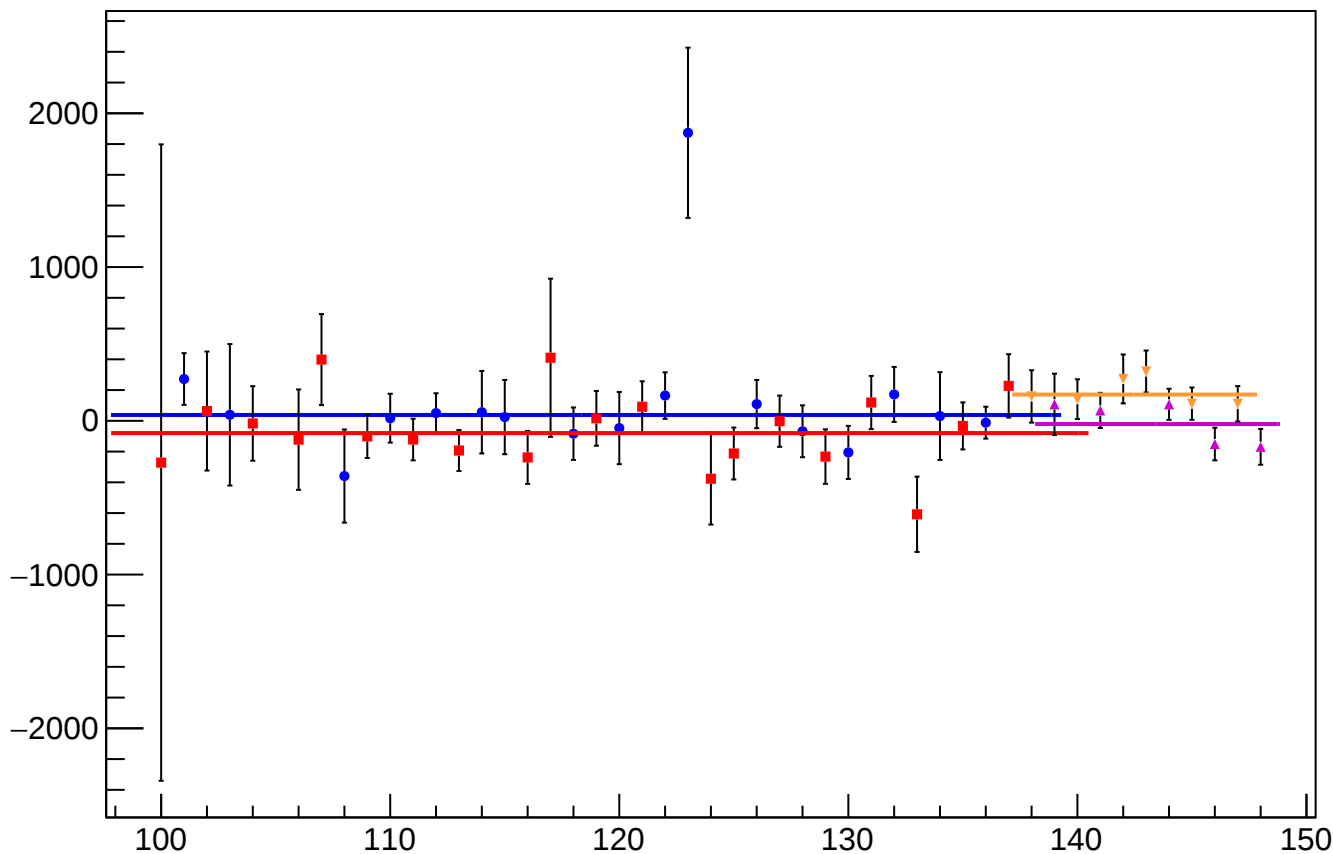
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2163.051+/-0.768 χ^2/NDF :126929.0/4

2045.300+/-0.718 χ^2/NDF : 153209.9/5

2163.051+/-0.768 χ^2/NDF : 126929.0/4

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 170.821+/-53.159 χ^2/NDF : 2.3/5

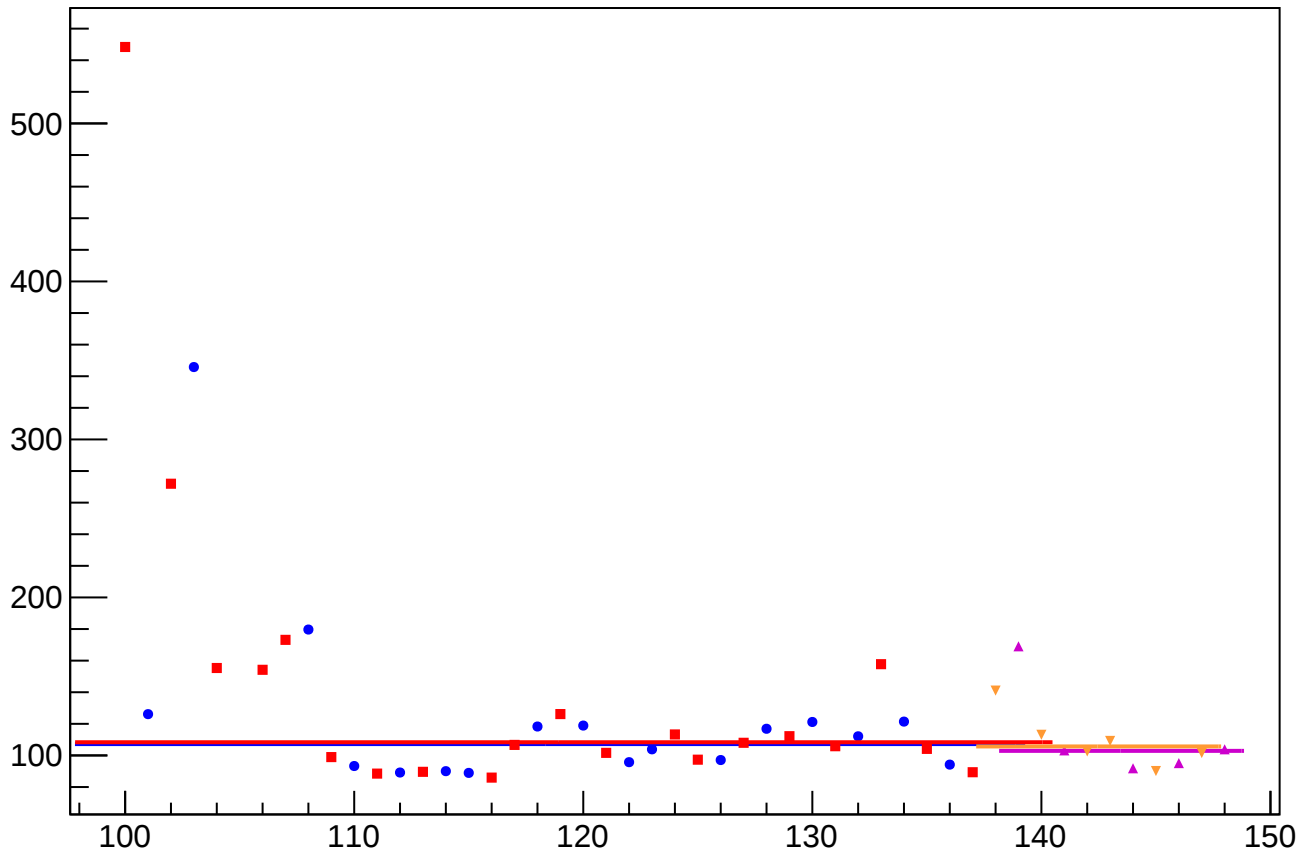
Right Out: -79.665+/-42.948 χ^2/NDF : 17.6/19

Left In: -20.734+/-52.573 χ^2/NDF : 5.7/4

91.415+/-33.687 χ^2/NDF : 25.4/22

-56.078+/-33.260 χ^2/NDF : 24.1/24

reg_asym_sam3_rms vs Slug



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 105.690+/-0.038 χ^2/NDF :141239.8/5

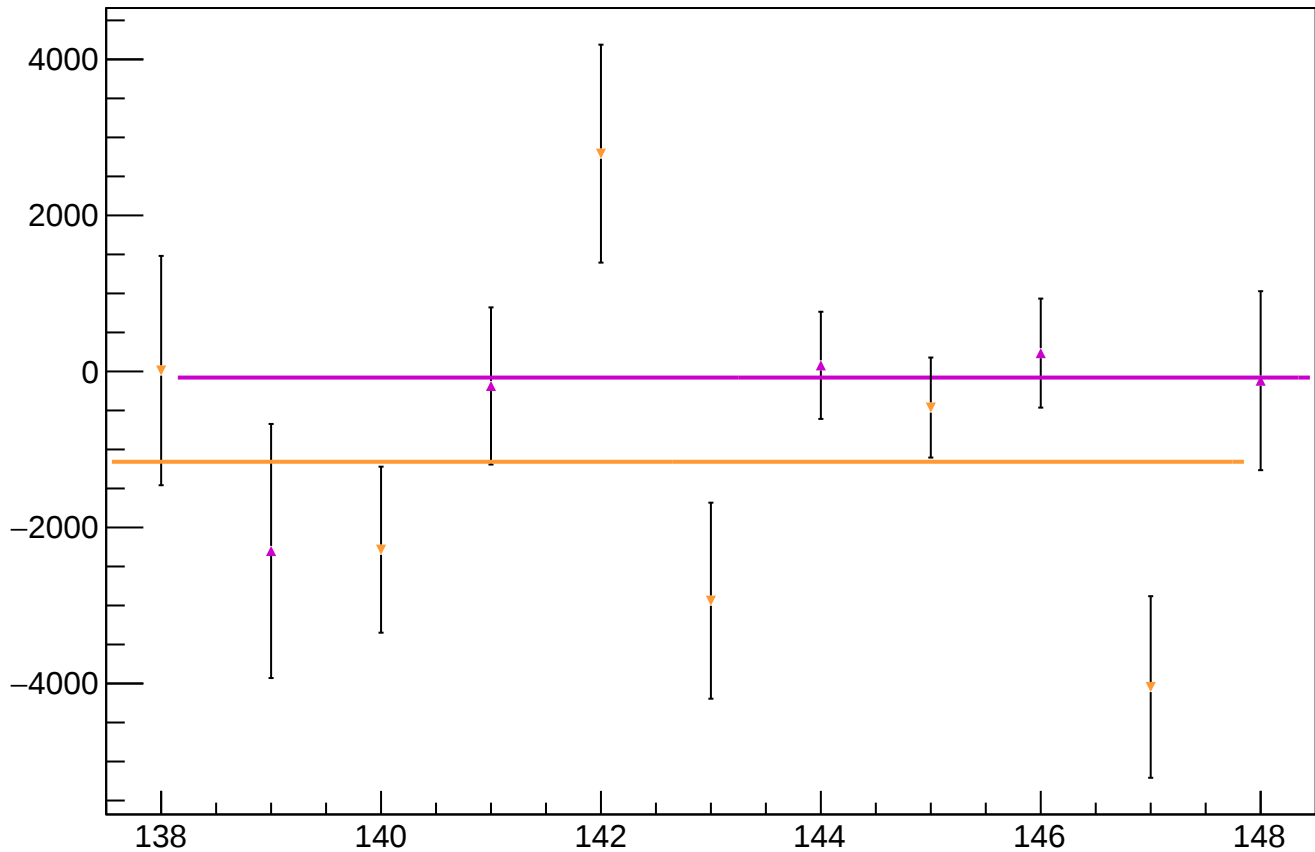
Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

Left In: 102.892+/-0.037 χ^2/NDF :255121.0/4

106.587+/-0.024 χ^2/NDF : 985306.5/22

106.164+/-0.024 χ^2/NDF : 1185343.0/24

asym_sam3_correction_mean vs Slug



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

Left Out: -1157.575+/-420.217 χ^2/NDF : 19.1/5

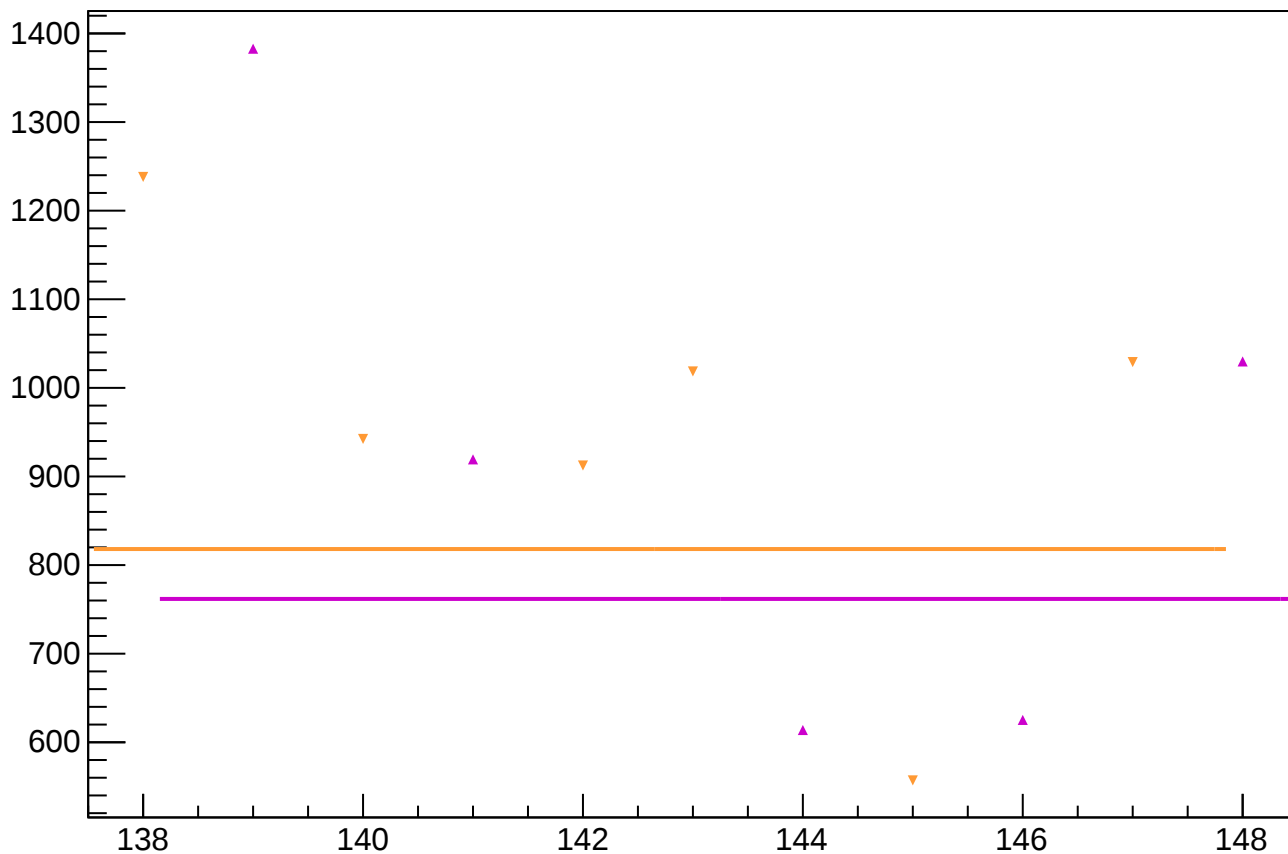
-1157.575+/-420.217 χ^2/NDF : 19.1/5

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

-78.493+/-398.692 χ^2/NDF : 2.1/4

Left In: -78.493+/-398.692 χ^2/NDF : 2.1/4

asym_sam3_correction_rms vs Slug



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

Left Out: 818.106+/-0.297 χ^2/NDF : 648030.4/5

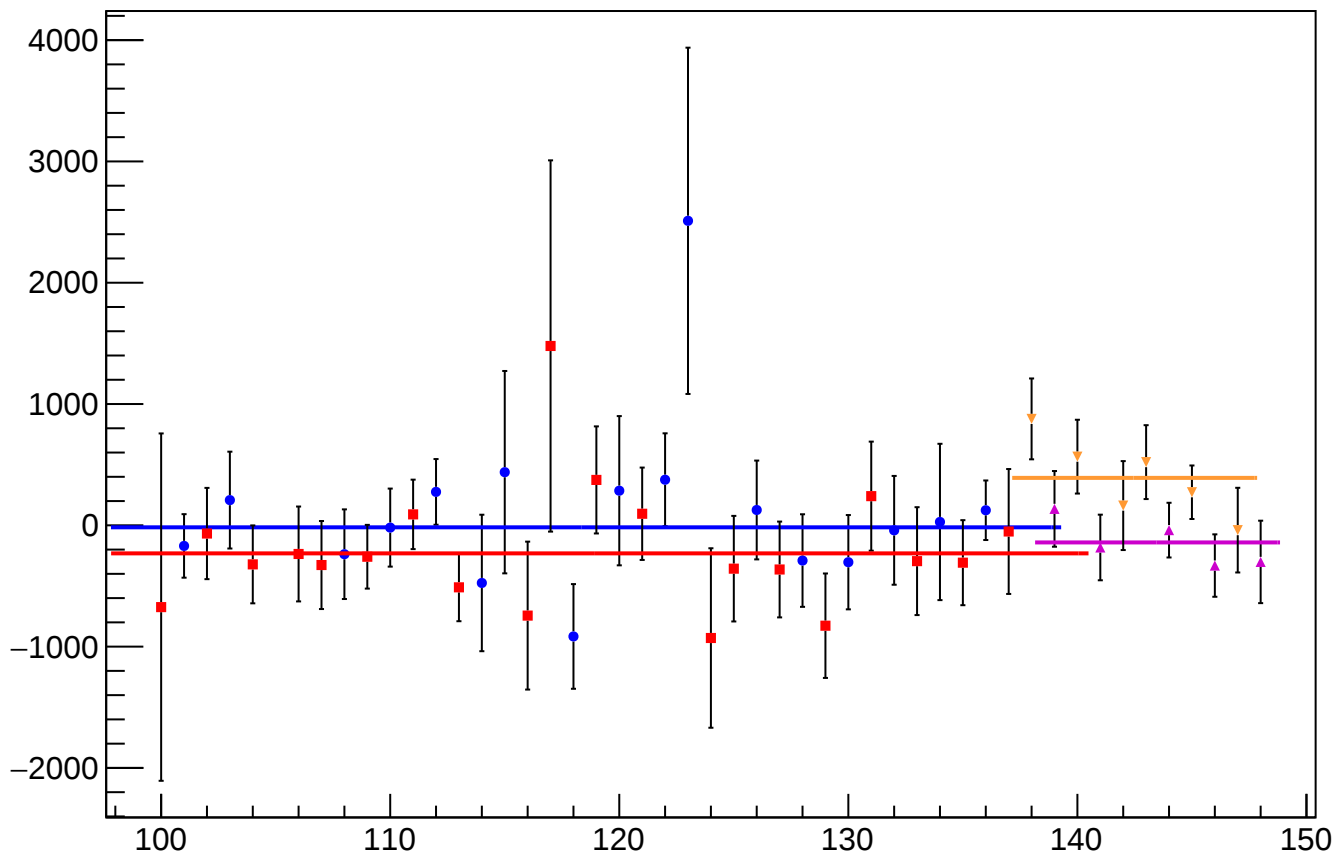
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 761.794+/-0.282 χ^2/NDF : 618120.4/4

818.106+/-0.297 χ^2/NDF : 648030.4/5

761.794+/-0.282 χ^2/NDF : 618120.4/4

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 391.132 ± 122.365 χ^2/NDF : 4.8/5

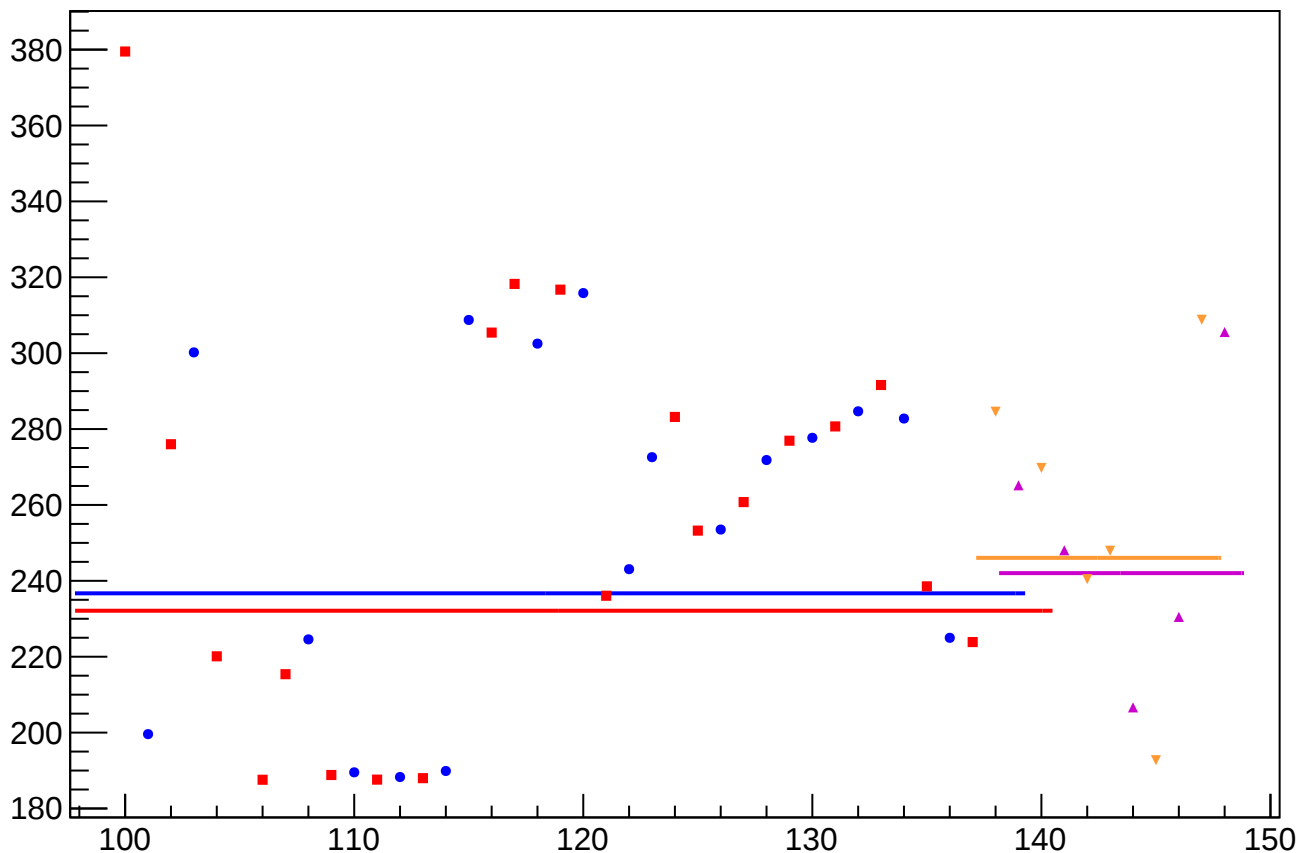
Right Out: -231.209 ± 88.787 χ^2/NDF : 11.6/19

Left In: -141.043 ± 121.829 χ^2/NDF : 1.8/4

133.354 ± 74.186 χ^2/NDF : 25.3/22

-199.931 ± 71.754 χ^2/NDF : 13.7/24

reg_asym_sam4_rms vs Slug



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 246.059+/-0.087 χ^2/NDF : 220869.0/5

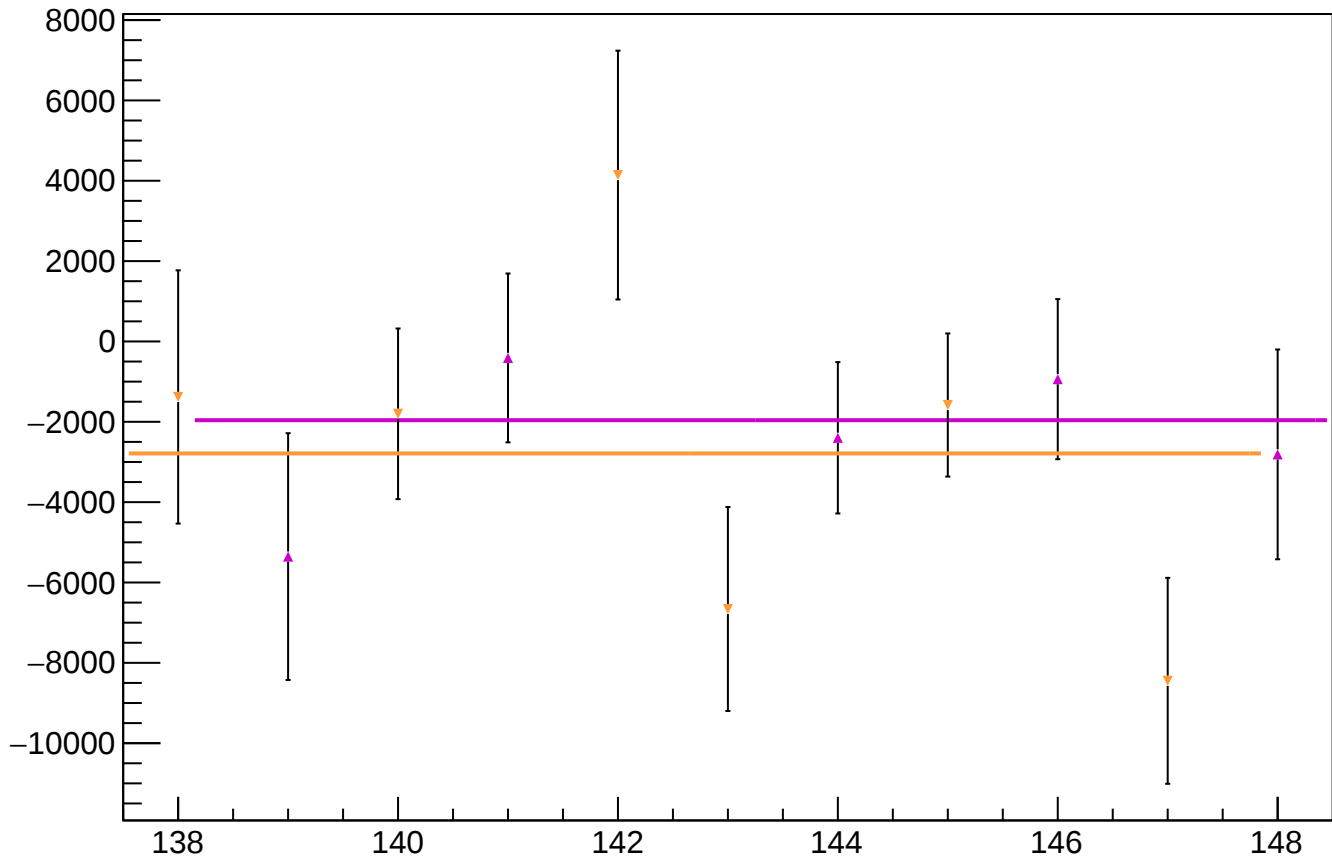
Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

Left In: 242.030+/-0.086 χ^2/NDF : 135199.0/4

240.144+/-0.052 χ^2/NDF : 618602.7/22

235.557+/-0.051 χ^2/NDF : 593477.4/24

asym_sam4_correction_mean vs Slug



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

Left Out: -2787.280+/-976.346 χ^2/NDF :13.1/5

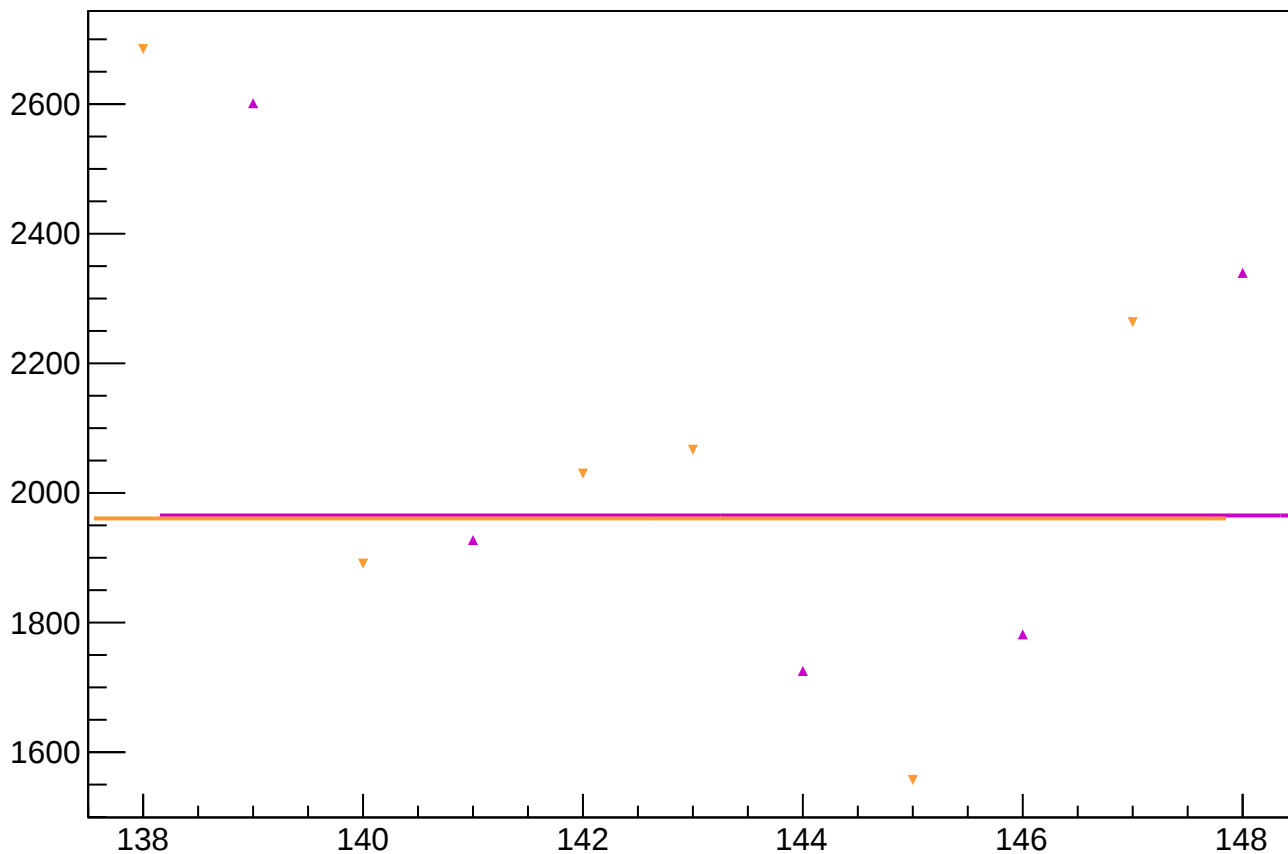
-2787.280+/-976.346 χ^2/NDF : 13.1/5

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

-1960.043+/-993.669 χ^2/NDF : 2.2/4

Left In: -1960.043+/-993.669 χ^2/NDF :2.2/4

asym_sam4_correction_rms vs Slug



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

Left Out: 1960.688+/-0.690 χ^2/NDF : 242720.8/5

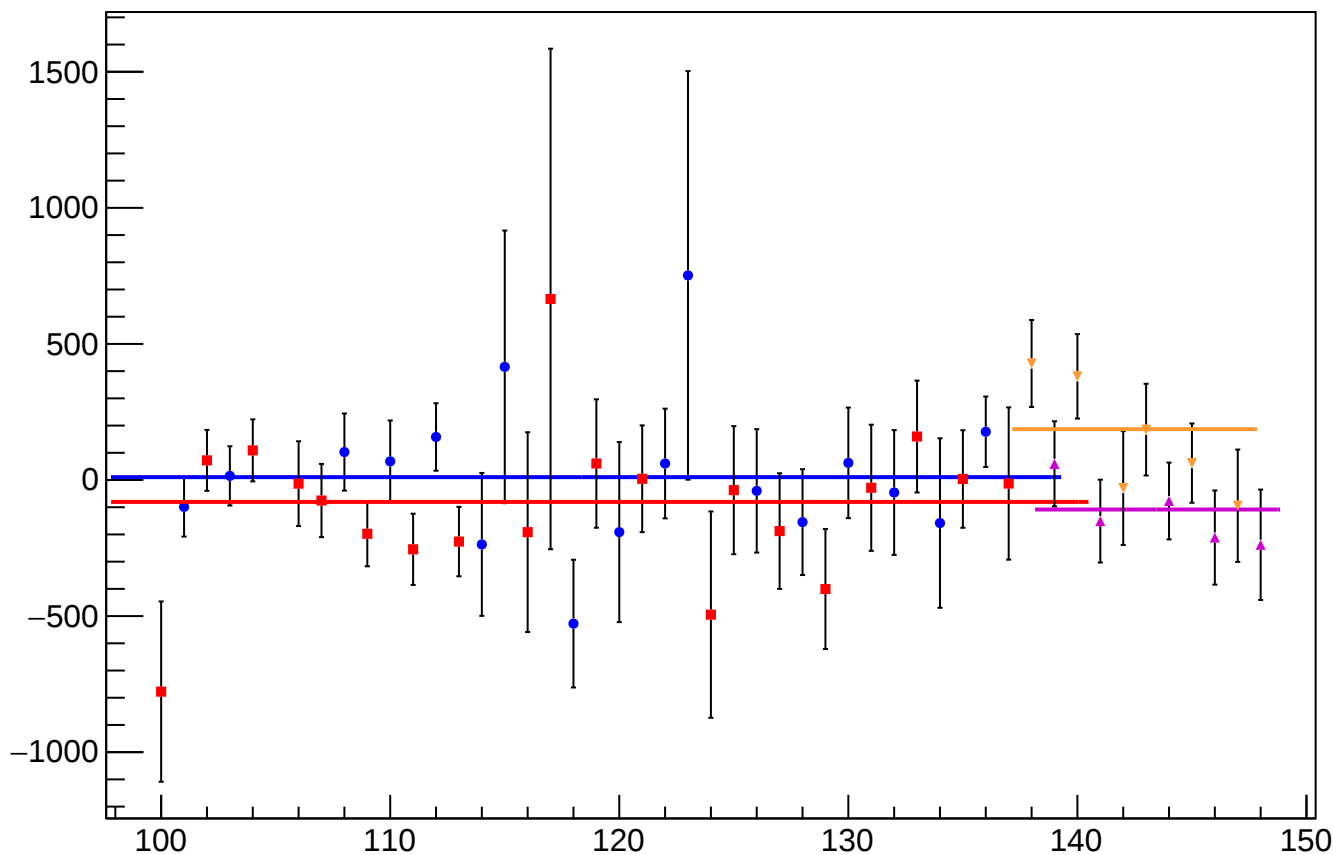
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1965.257+/-0.703 χ^2/NDF : 176979.0/4

1960.688+/-0.690 χ^2/NDF : 242720.8/5

1965.257+/-0.703 χ^2/NDF : 176979.0/4

reg_asym_sam5_mean vs Slug



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 186.905+/-69.106 χ^2/NDF : 7.5/5

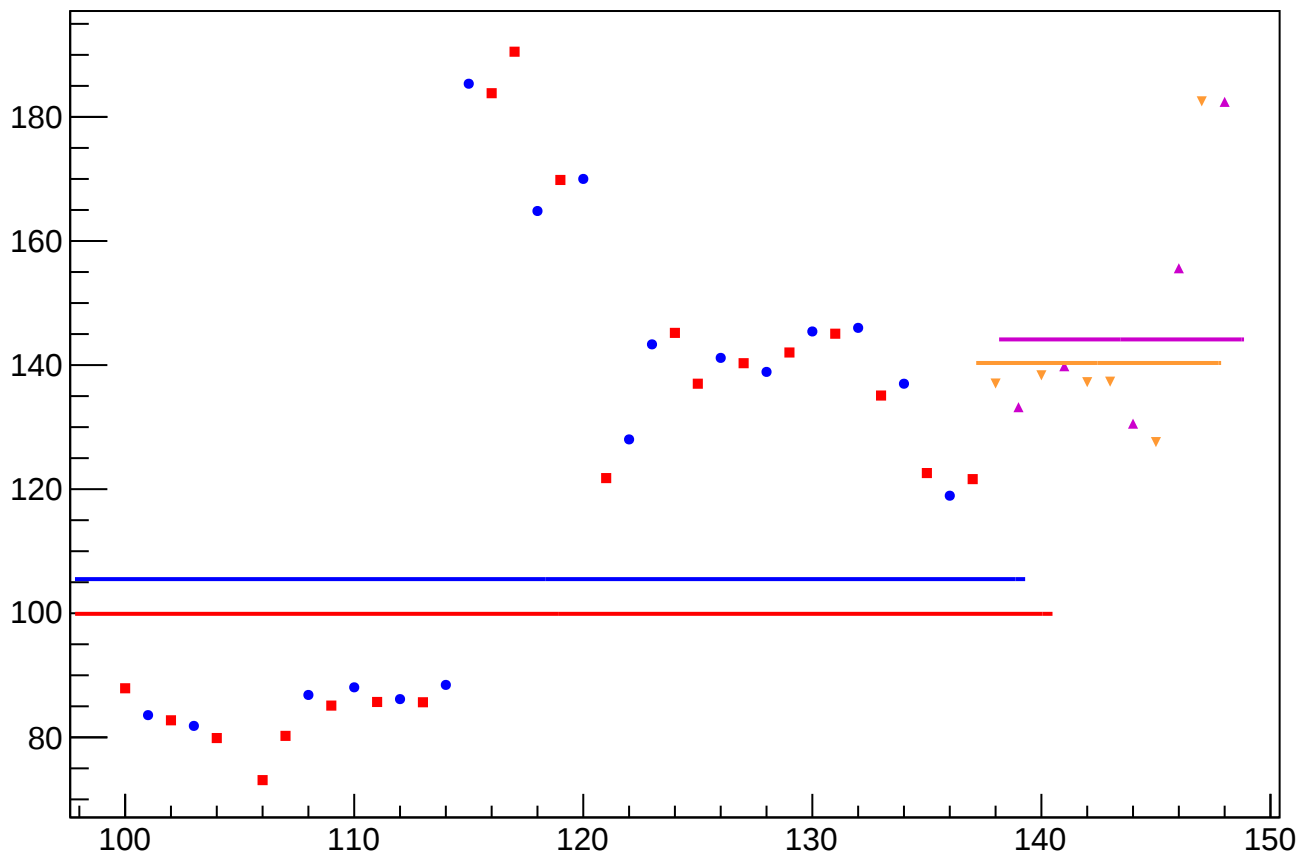
Right Out: -80.462+/-38.950 χ^2/NDF : 19.9/19

Left In: -108.364+/-72.173 χ^2/NDF : 2.0/4

58.592+/-36.074 χ^2/NDF : 26.3/22

-86.755+/-34.277 χ^2/NDF : 22.0/24

reg_asym_sam5_rms vs Slug



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 140.340+/-0.049 χ^2/NDF :101073.1/5

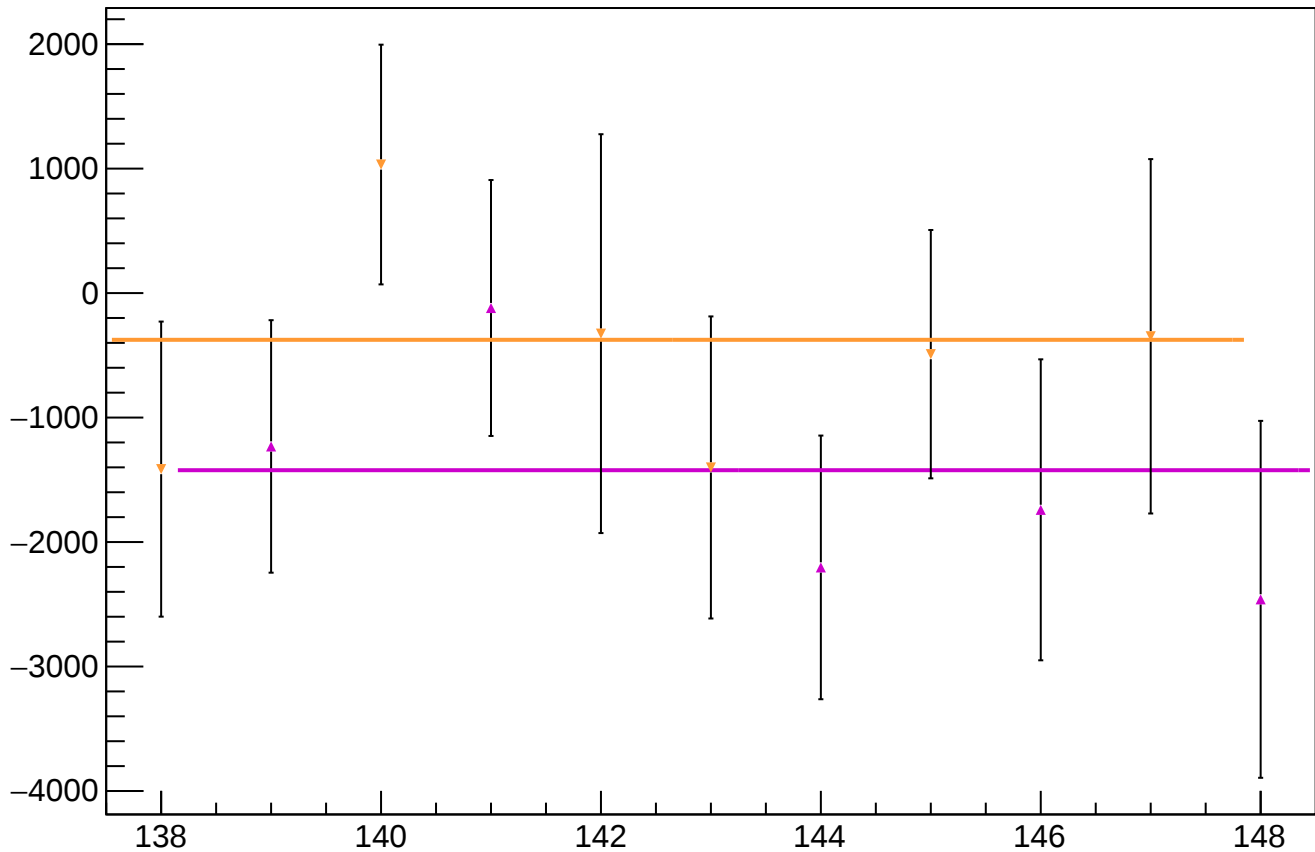
Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

Left In: 144.136+/-0.051 χ^2/NDF :109973.5/4

114.996+/-0.026 χ^2/NDF : 1339847.0/22

109.883+/-0.024 χ^2/NDF : 1711201.4/24

asym_sam5_correction_mean vs Slug



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

Left Out: -375.364+/-479.039 χ^2/NDF : 3.6/5

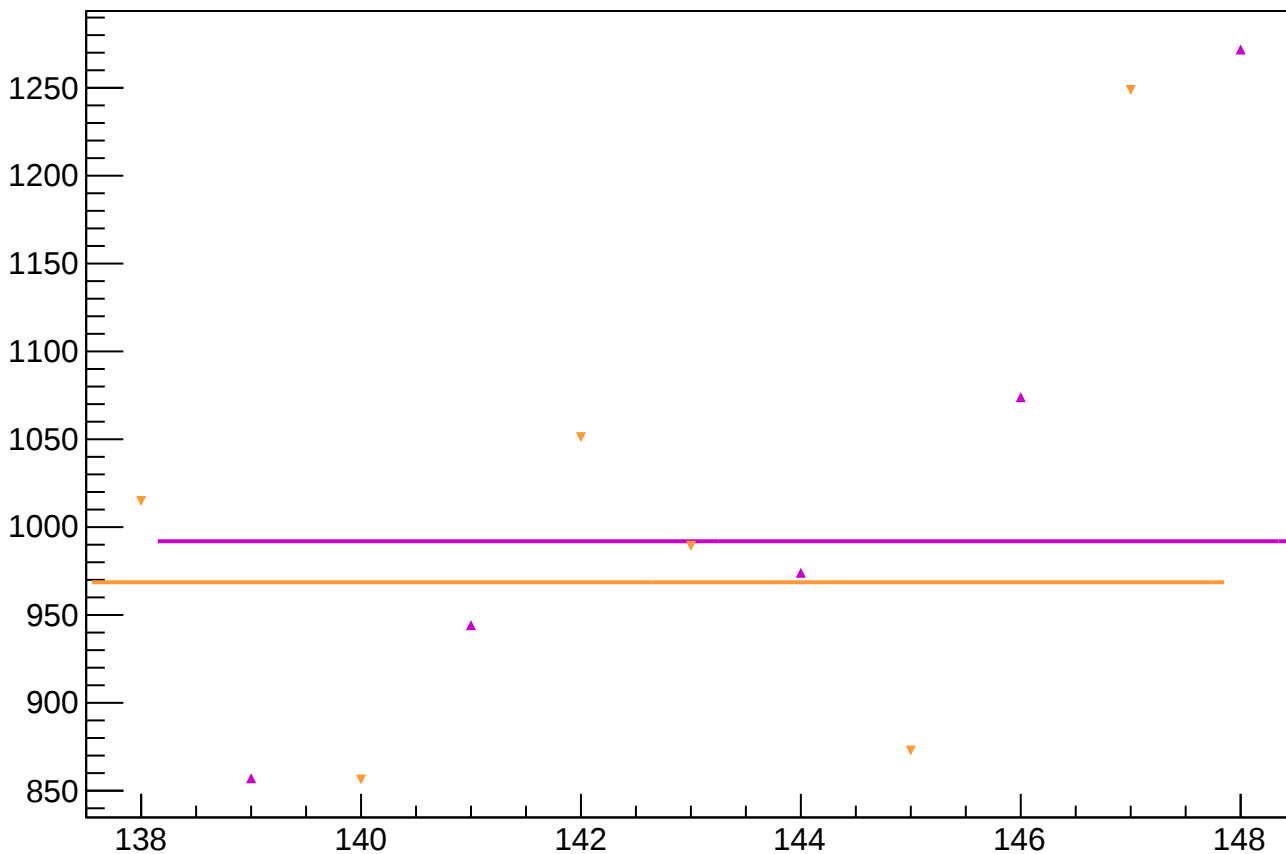
-375.364+/-479.039 χ^2/NDF : 3.6/5

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

-1422.863+/-501.214 χ^2/NDF : 2.8/4

Left In: -1422.863+/-501.214 χ^2/NDF : 2.8/4

asym_sam5_correction_rms vs Slug



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

Left Out: 968.622+/-0.339 χ^2/NDF : 132011.0/5

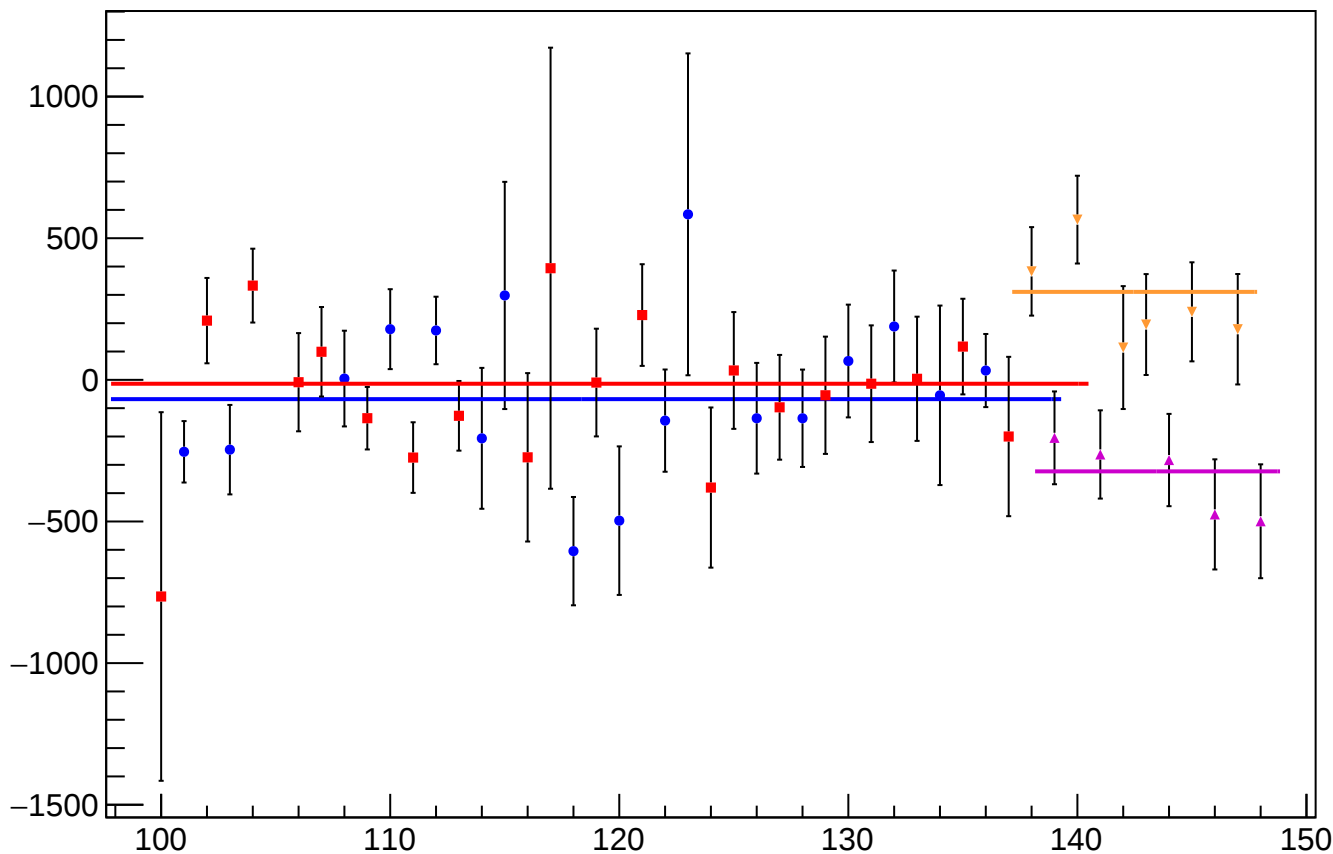
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 991.967+/-0.354 χ^2/NDF : 125670.1/4

968.622+/-0.339 χ^2/NDF : 132011.0/5

991.967+/-0.354 χ^2/NDF : 125670.1/4

reg_asym_sam6_mean vs Slug



Right In: -68.111 $\pm$ 42.265 χ^2 /NDF: 27.8/16

Left Out: 310.578 $\pm$ 71.713 χ^2 /NDF: 4.8/5

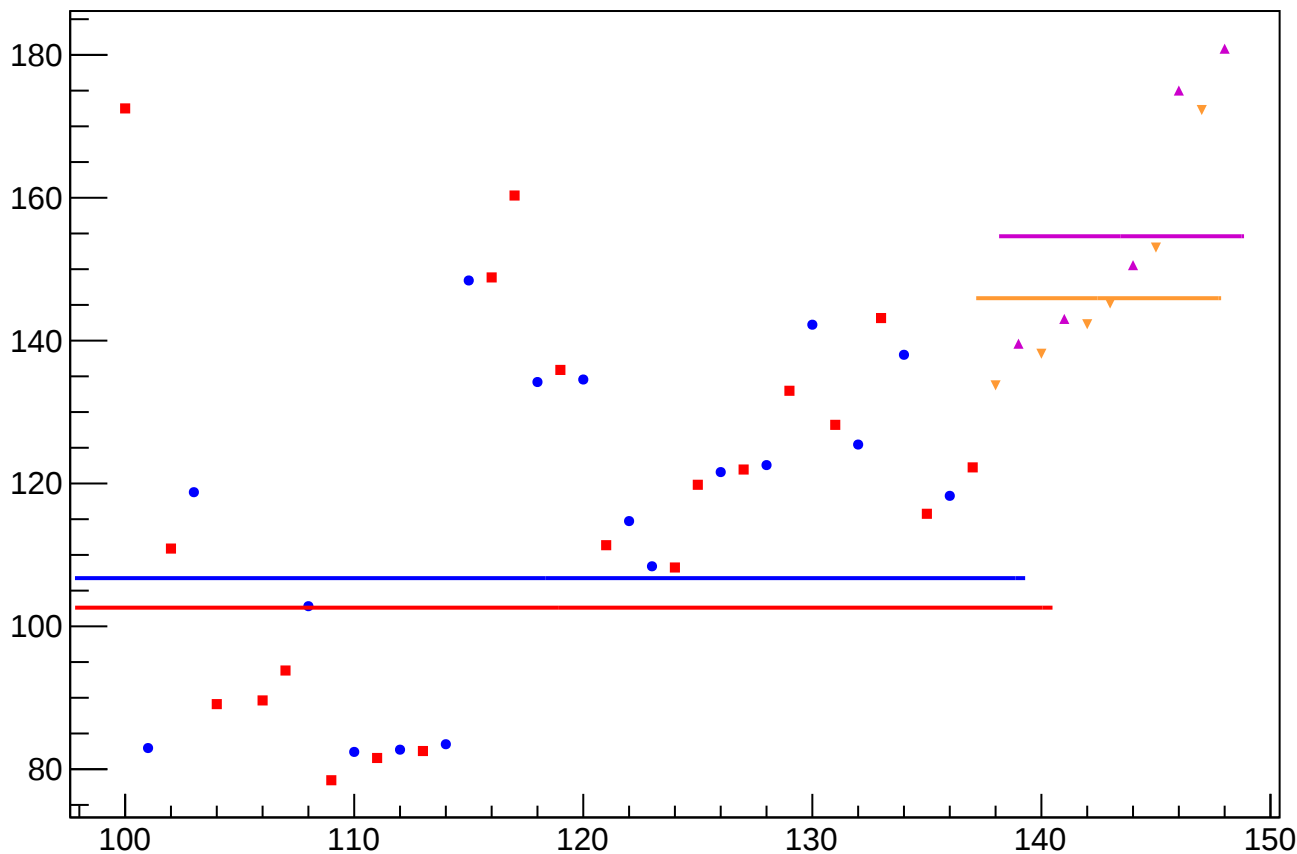
Right Out: -13.752 $\pm$ 39.416 χ^2 /NDF: 23.4/19

Left In: -323.088 $\pm$ 77.304 χ^2 /NDF: 2.1/4

29.518 $\pm$ 36.412 χ^2 /NDF: 53.3/22

-77.579 $\pm$ 35.115 χ^2 /NDF: 38.2/24

reg_asym_sam6_rms vs Slug



Right In: 106.749 ± 0.030 $\chi^2/\text{NDF}: 501742.8/16$

Left Out: 145.940 ± 0.051 $\chi^2/\text{NDF}: 57649.6/5$

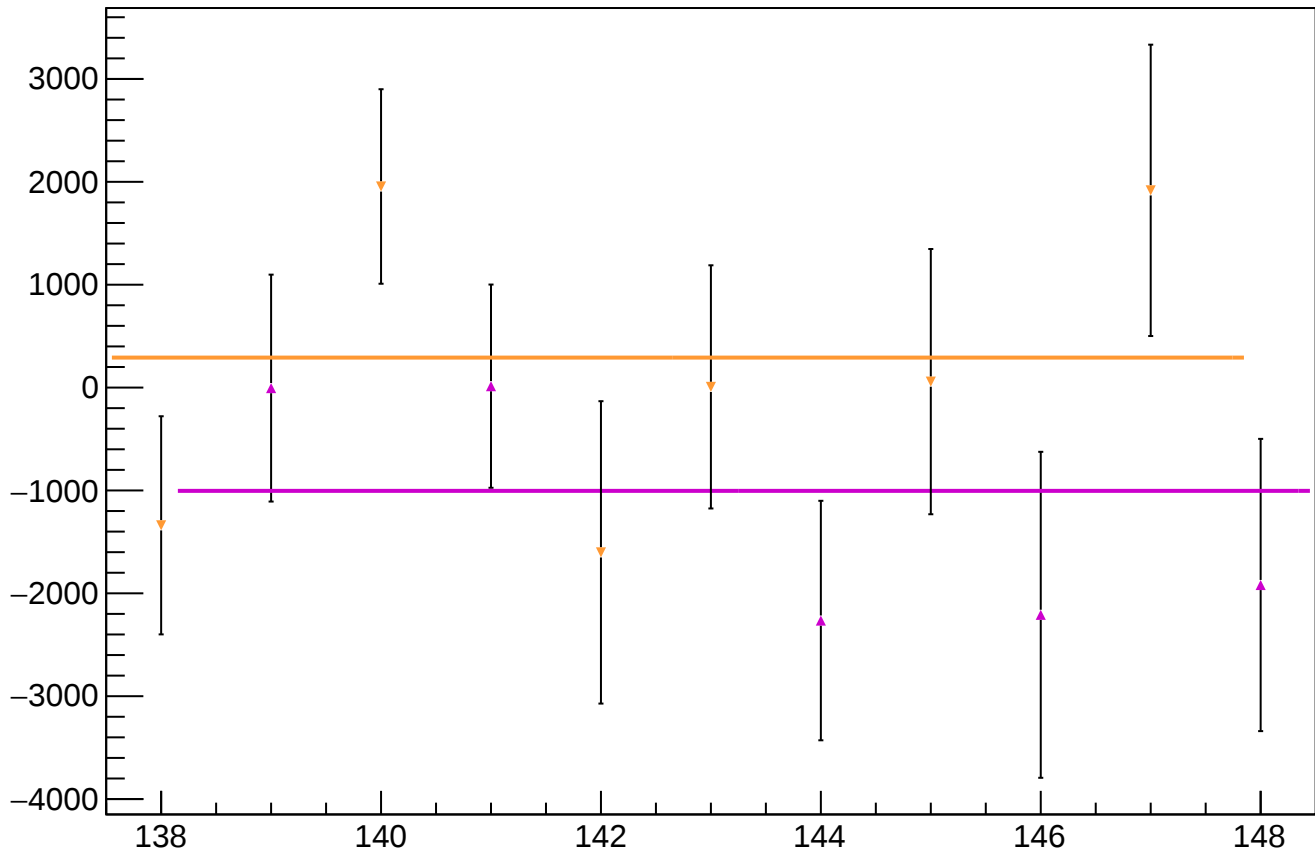
Right Out: 102.615 ± 0.028 $\chi^2/\text{NDF}: 600357.6/19$

Left In: 154.612 ± 0.055 $\chi^2/\text{NDF}: 85277.8/4$

116.853 ± 0.026 $\chi^2/\text{NDF}: 1002706.1/22$

113.344 ± 0.025 $\chi^2/\text{NDF}: 1403783.7/24$

asym_sam6_correction_mean vs Slug



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

Left Out: 291.488+/-482.943 χ^2/NDF : 8.5/5

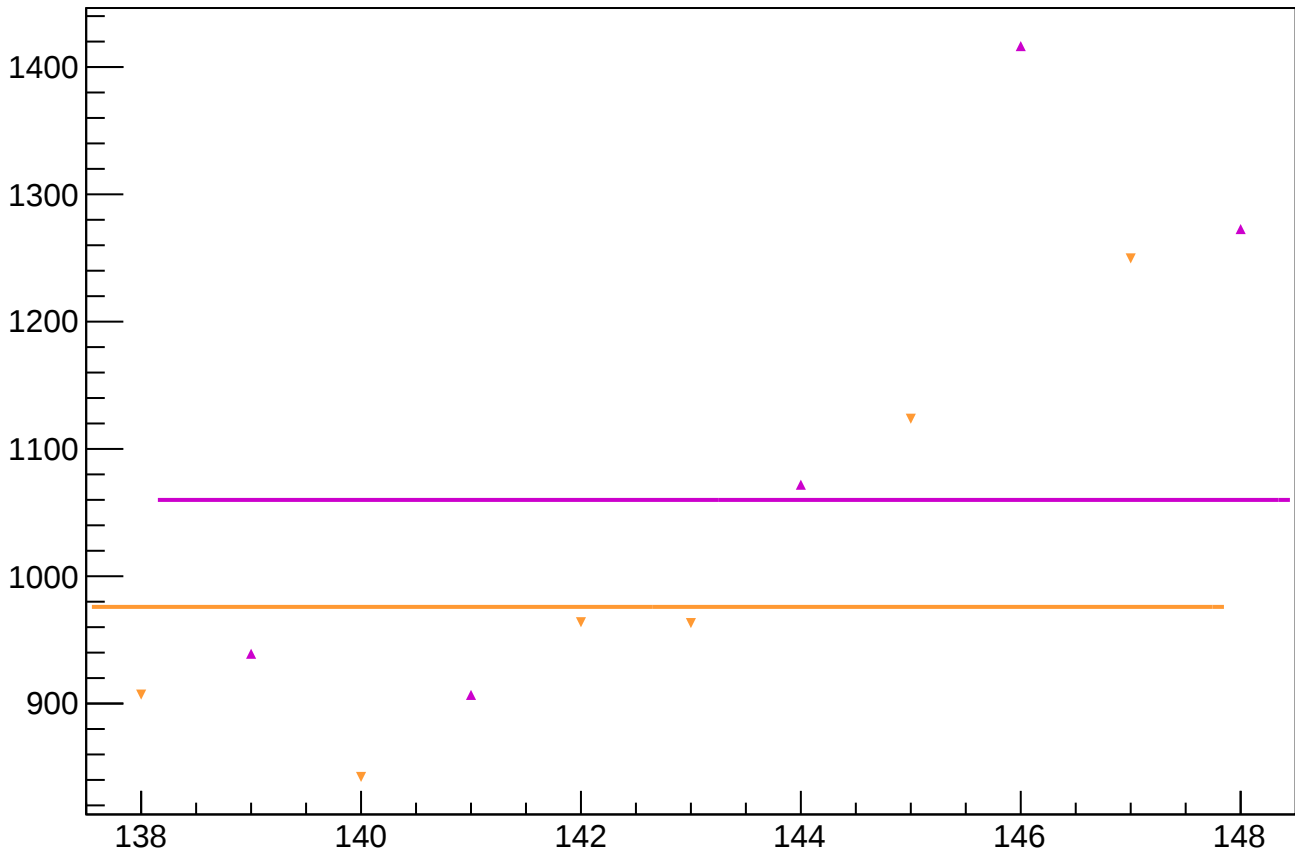
291.488+/-482.943 χ^2/NDF : 8.5/5

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

-1003.992+/-536.136 χ^2/NDF : 4.0/4

Left In: -1003.992+/-536.136 χ^2/NDF : 4.0/4

asym_sam6_correction_rms vs Slug



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

Left Out: 975.925+/-0.341 χ^2/NDF : 149772.0/5

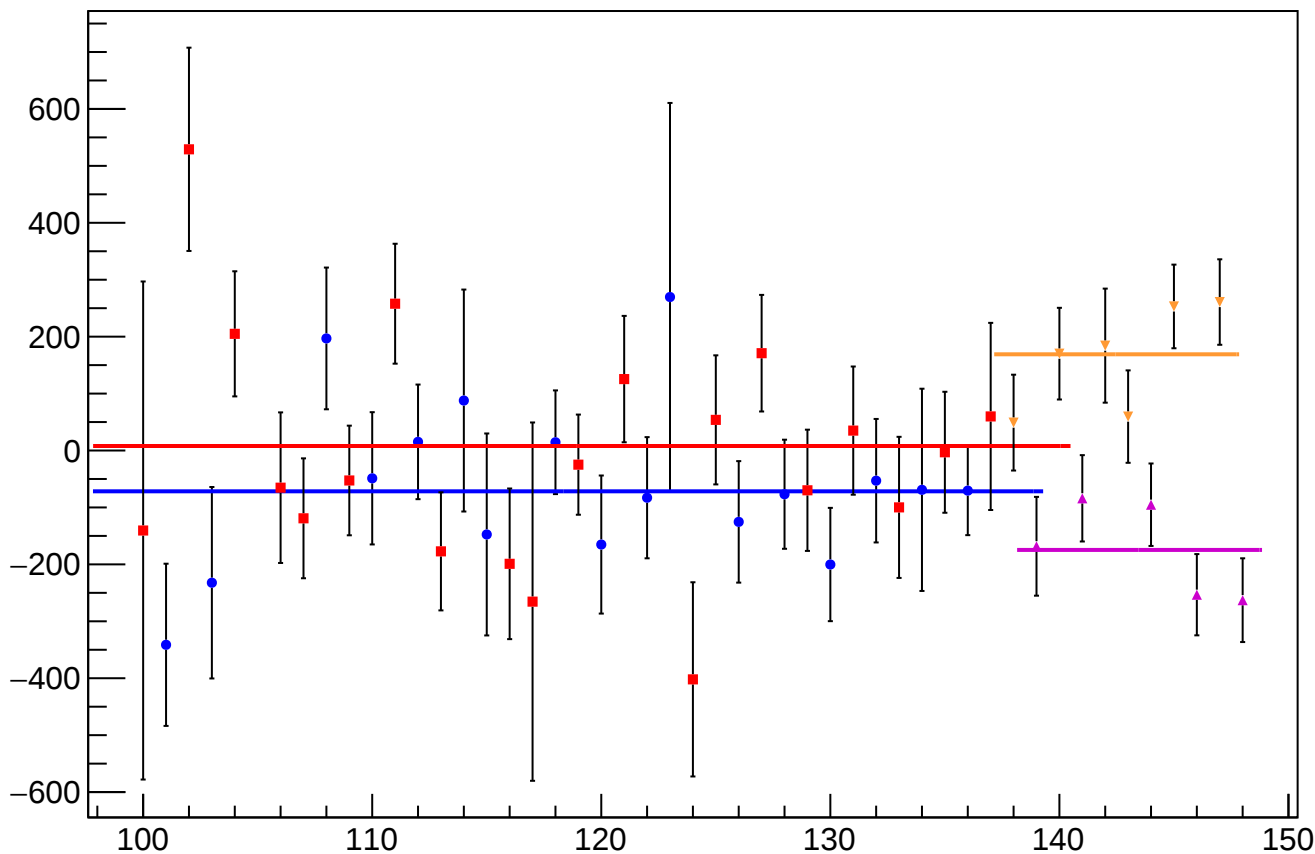
975.925+/-0.341 χ^2/NDF : 149772.0/5

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

1059.954+/-0.379 χ^2/NDF : 218423.6/4

Left In: 1059.954+/-0.379 χ^2/NDF : 218423.6/4

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 χ^2/NDF : 15.2/16

Left Out: 169.016 ± 33.158 χ^2/NDF : 6.7/5

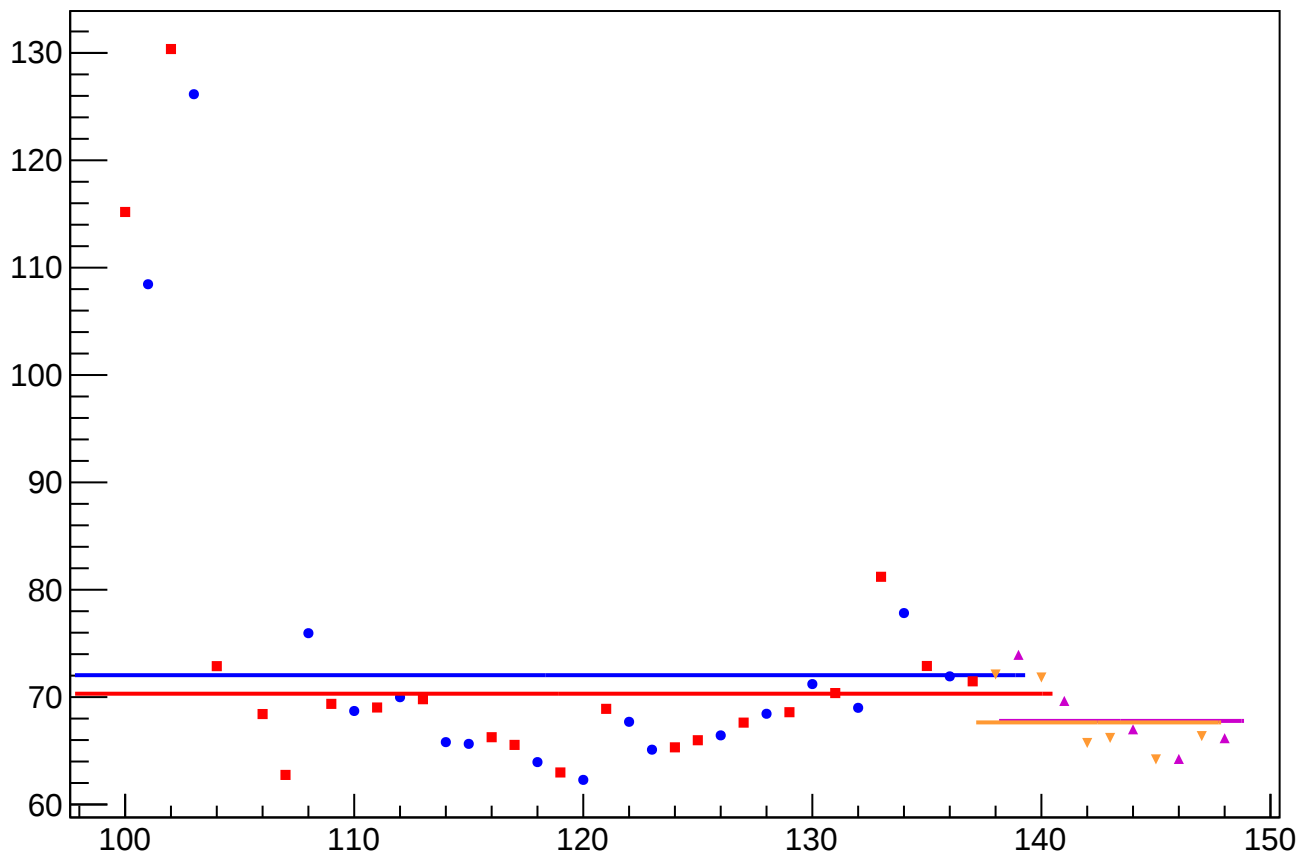
Right Out: 7.933 ± 26.719 χ^2/NDF : 37.2/19

Left In: -174.626 ± 33.738 χ^2/NDF : 5.3/4

30.007 ± 21.551 χ^2/NDF : 52.4/22

-62.435 ± 20.946 χ^2/NDF : 60.5/24

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 67.642 $\pm$ 0.023 χ^2 /NDF: 17364.6/5

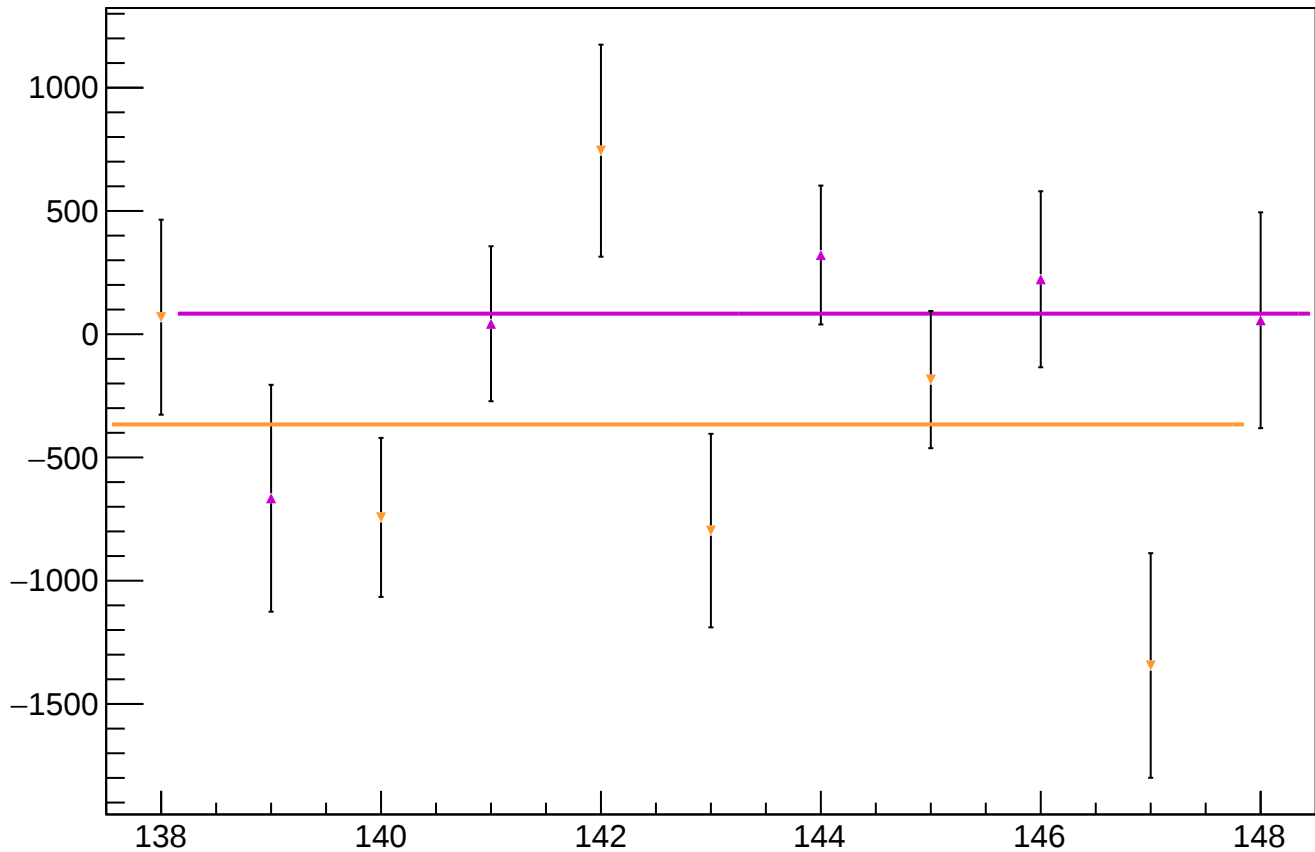
Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

Left In: 67.782 $\pm$ 0.024 χ^2 /NDF: 17379.3/4

70.184 $\pm$ 0.015 χ^2 /NDF: 429677.0/22

69.340 $\pm$ 0.015 χ^2 /NDF: 323781.4/24

asym_sam7_correction_mean vs Slug



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

Left Out: -365.912+/-148.022 χ^2/NDF : 15.5/5

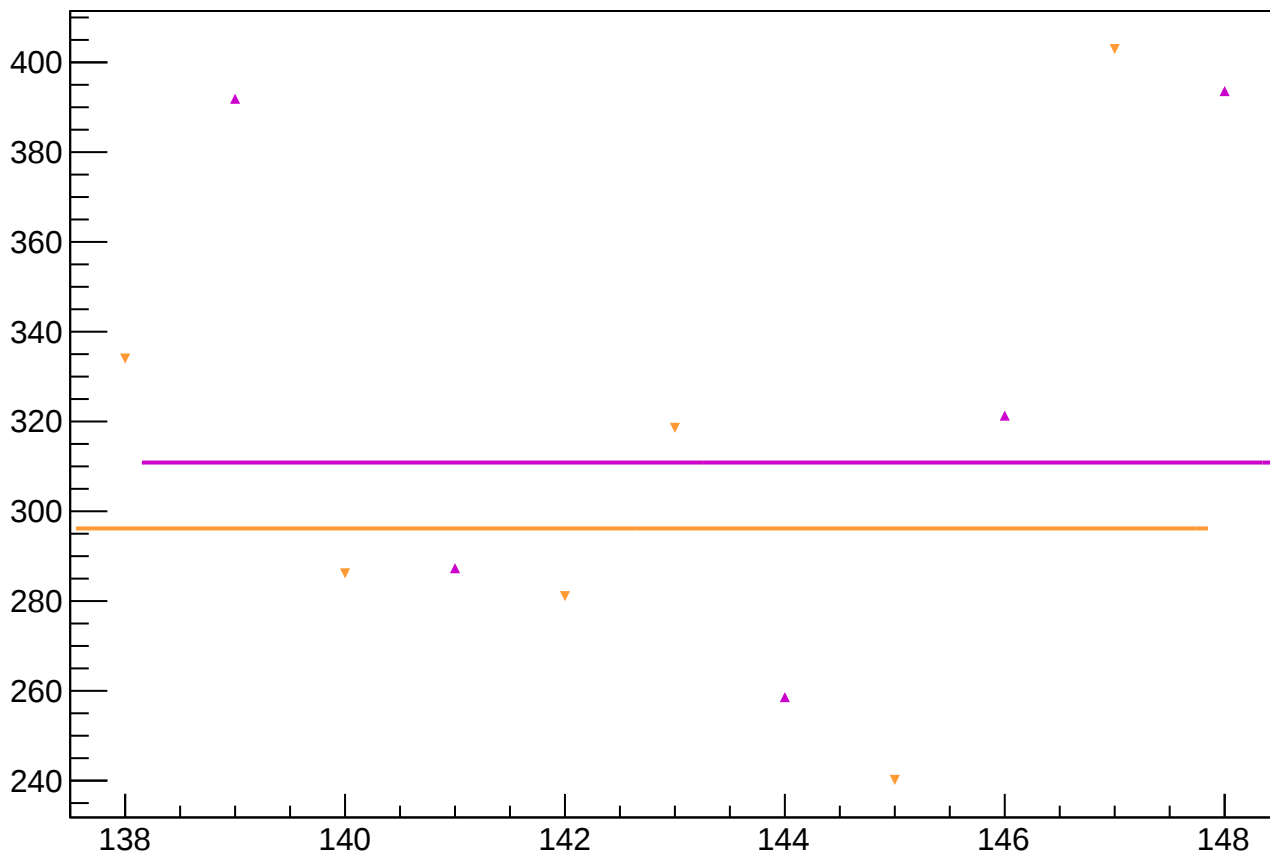
-365.912+/-148.022 χ^2/NDF : 15.5/5

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

83.395+/-157.129 χ^2/NDF : 3.5/4

Left In: 83.395+/-157.129 χ^2/NDF : 3.5/4

asym_sam7_correction_rms vs Slug



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

Left Out: 296.173+/-0.105 χ^2/NDF : 220161.1/5

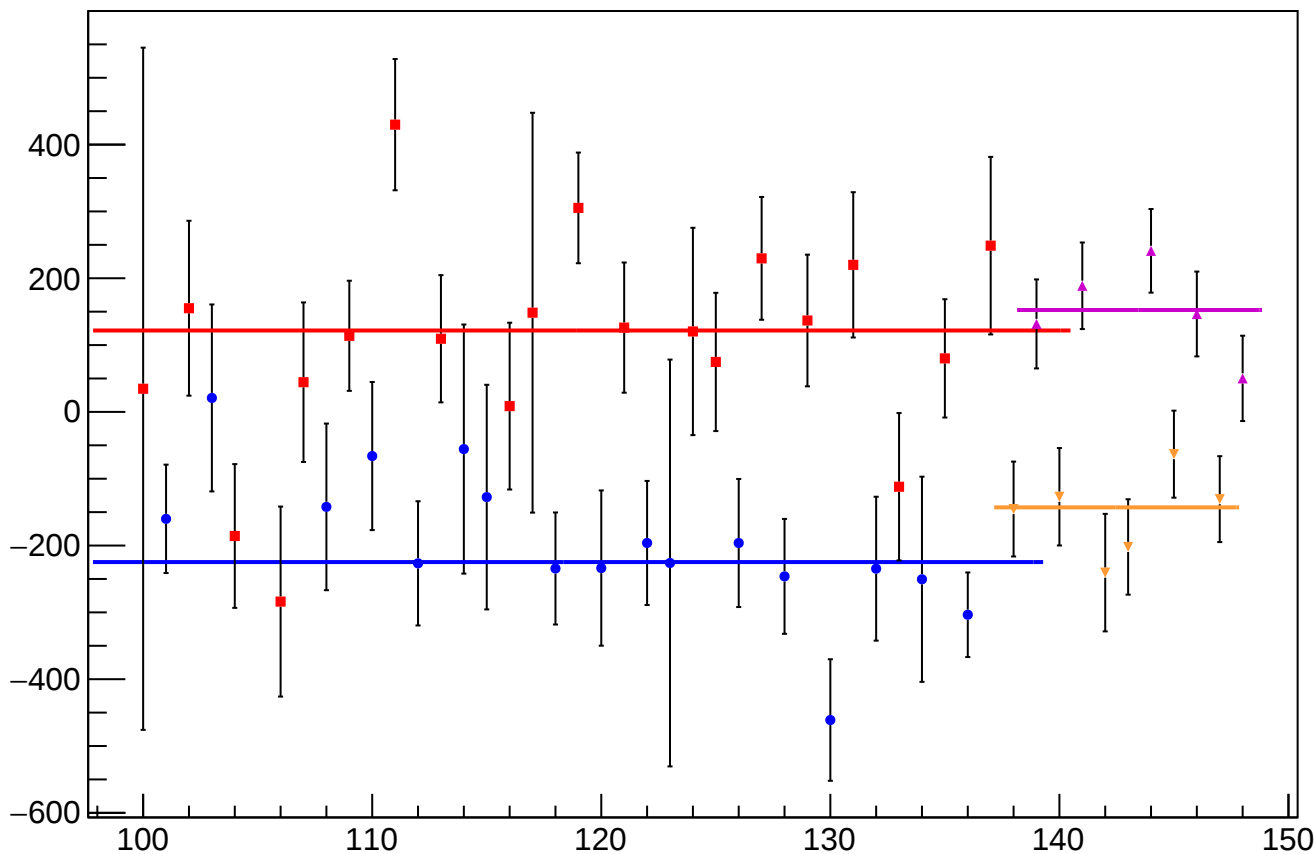
296.173+/-0.105 χ^2/NDF : 220161.1/5

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

310.853+/-0.111 χ^2/NDF : 215229.8/4

Left In: 310.853+/-0.111 χ^2/NDF : 215229.8/4

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -142.859 ± 28.988 $\chi^2/\text{NDF}: 3.5/5$

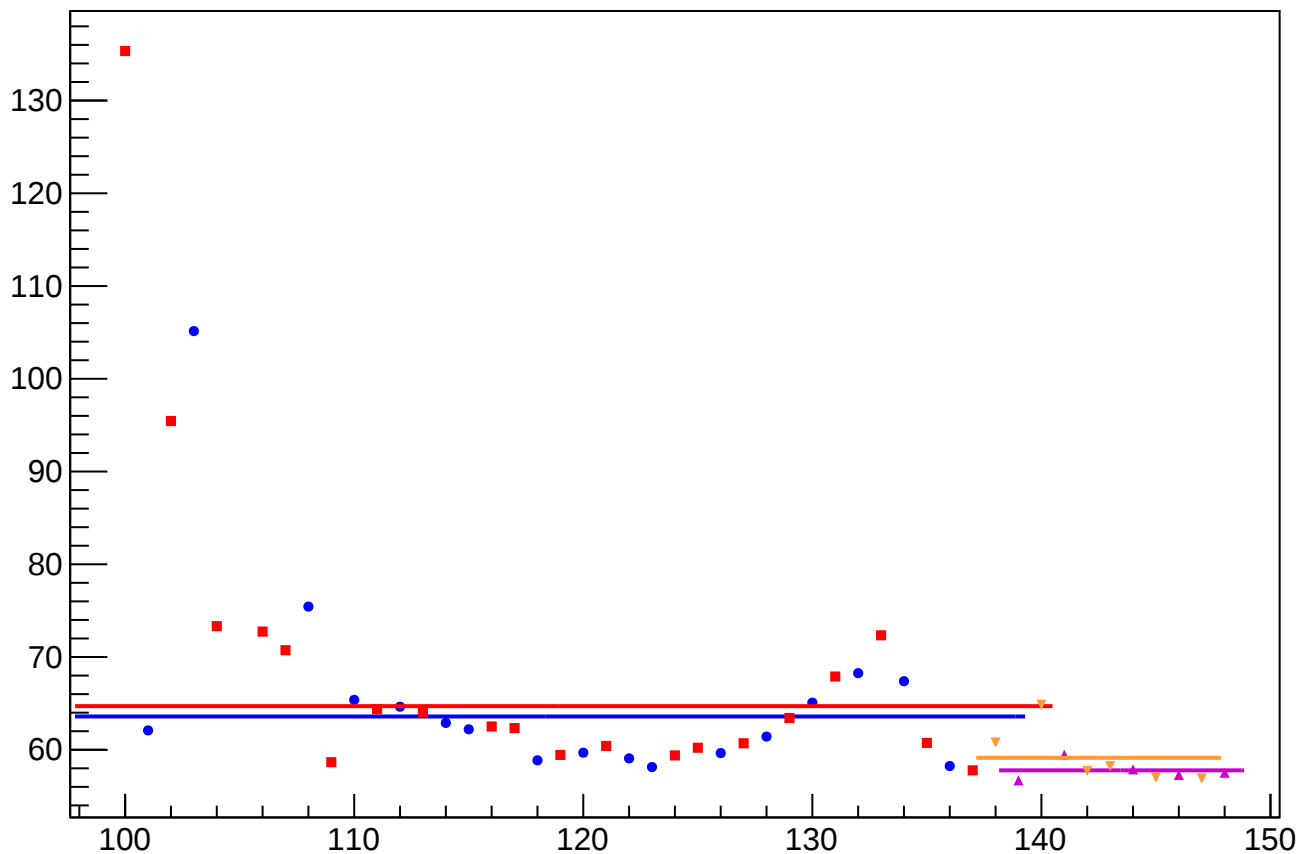
Right Out: 121.814 ± 24.516 $\chi^2/\text{NDF}: 40.5/19$

Left In: 152.484 ± 28.718 $\chi^2/\text{NDF}: 5.0/4$

-189.999 ± 18.880 $\chi^2/\text{NDF}: 24.1/22$

134.743 ± 18.646 $\chi^2/\text{NDF}: 46.1/24$

reg_asym_sam8_rms vs Slug



Right In: 63.589 ± 0.018 χ^2/NDF : 234601.0/16

Left Out: 59.134 ± 0.020 χ^2/NDF : 18805.8/5

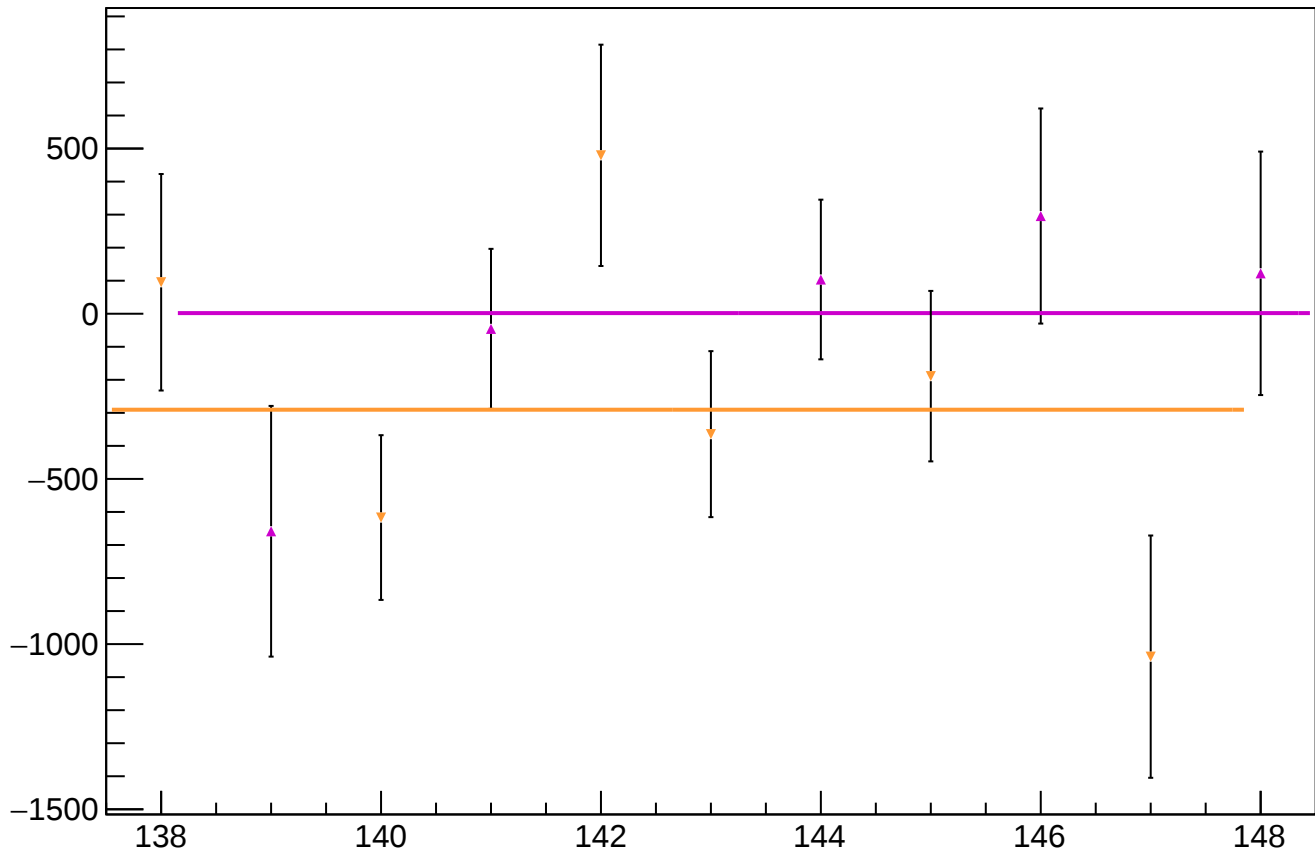
Right Out: 64.704 ± 0.017 χ^2/NDF : 227632.6/19

Left In: 57.781 ± 0.020 χ^2/NDF : 2045.7/4

61.699 ± 0.013 χ^2/NDF : 280613.4/22

61.786 ± 0.013 χ^2/NDF : 296908.7/24

asym_sam8_correction_mean vs Slug



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

Left Out: -290.518+/-117.349 χ^2/NDF : 12.8/5

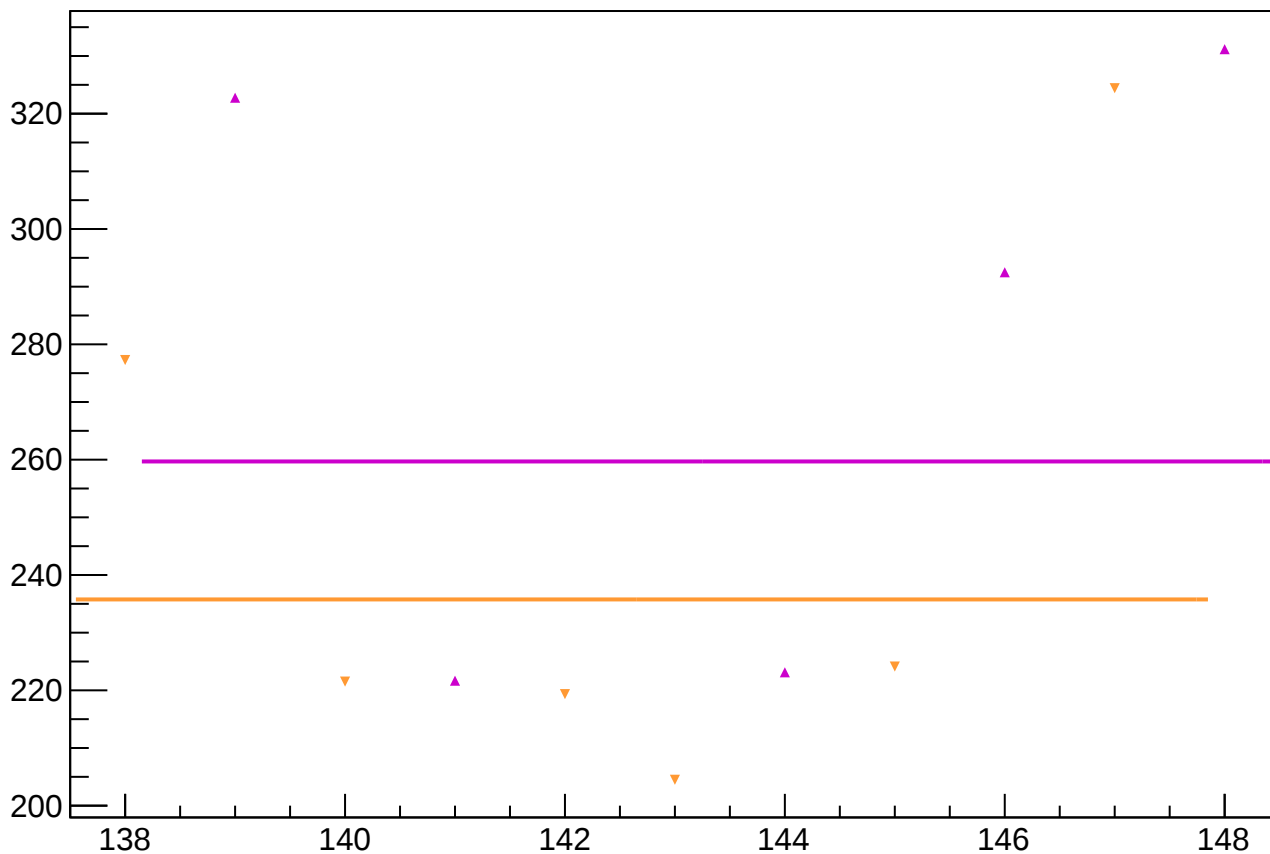
-290.518+/-117.349 χ^2/NDF : 12.8/5

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

1.921+/-131.399 χ^2/NDF : 4.2/4

Left In: 1.921+/-131.399 χ^2/NDF : 4.2/4

asym_sam8_correction_rms vs Slug



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

Left Out: 235.764+/-0.083 χ^2/NDF : 195404.9/5

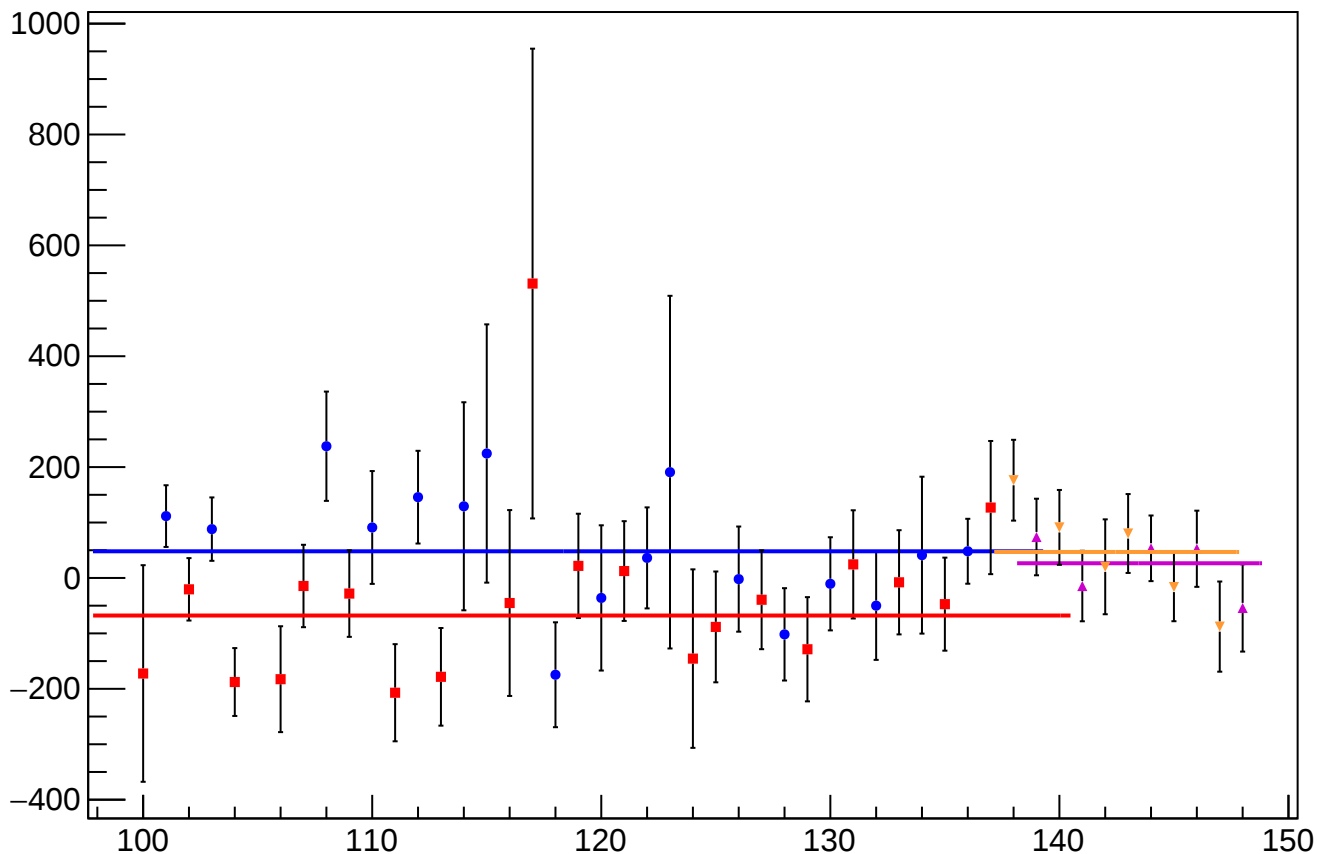
235.764+/-0.083 χ^2/NDF : 195404.9/5

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

259.690+/-0.093 χ^2/NDF : 245928.3/4

Left In: 259.690+/-0.093 χ^2/NDF : 245928.3/4

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109 ± 21.510 χ^2/NDF : 19.0/16

Left Out: 46.897 ± 29.413 χ^2/NDF : 7.7/5

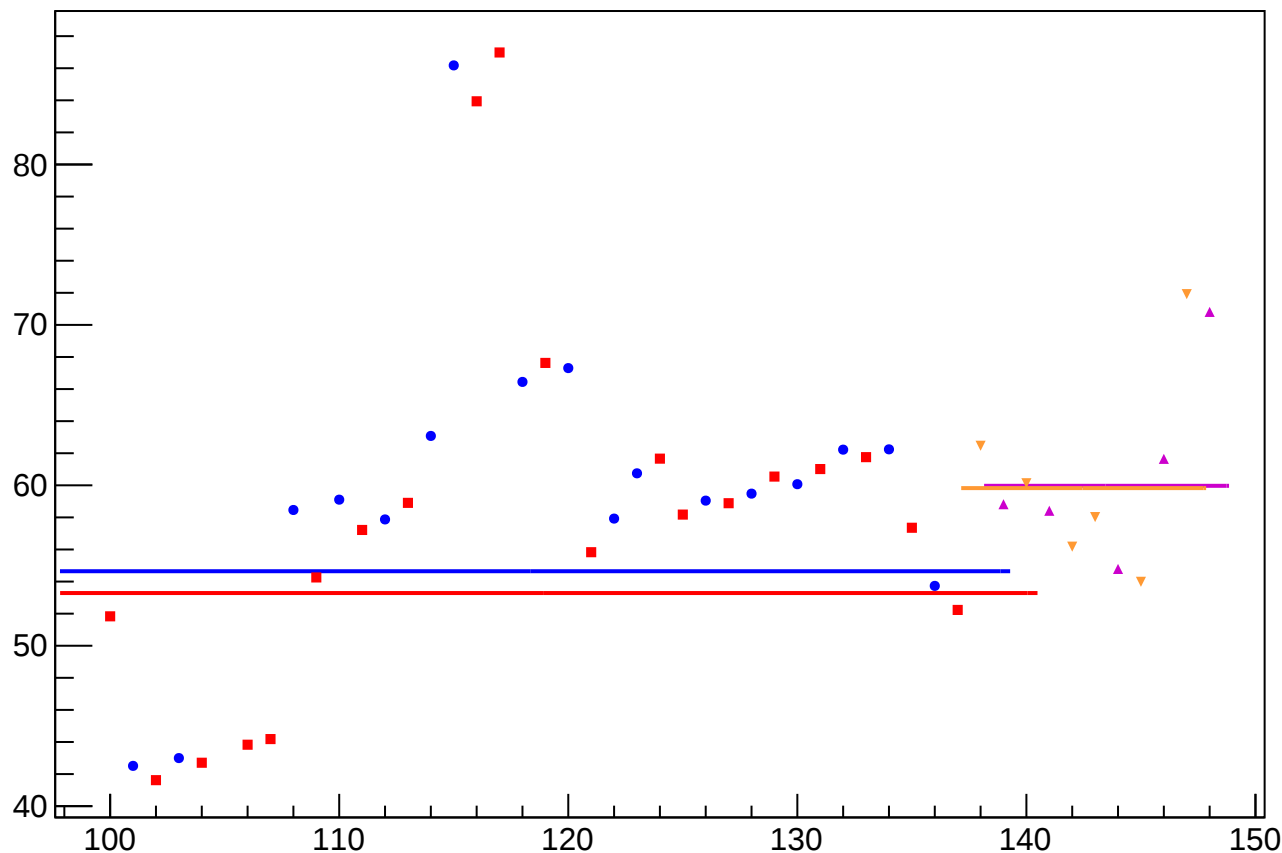
Right Out: -67.767 ± 20.383 χ^2/NDF : 19.7/19

Left In: 26.523 ± 29.946 χ^2/NDF : 2.3/4

47.687 ± 17.363 χ^2/NDF : 26.7/22

-37.913 ± 16.850 χ^2/NDF : 28.7/24

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 59.826+/-0.021 χ^2/NDF : 69744.4/5

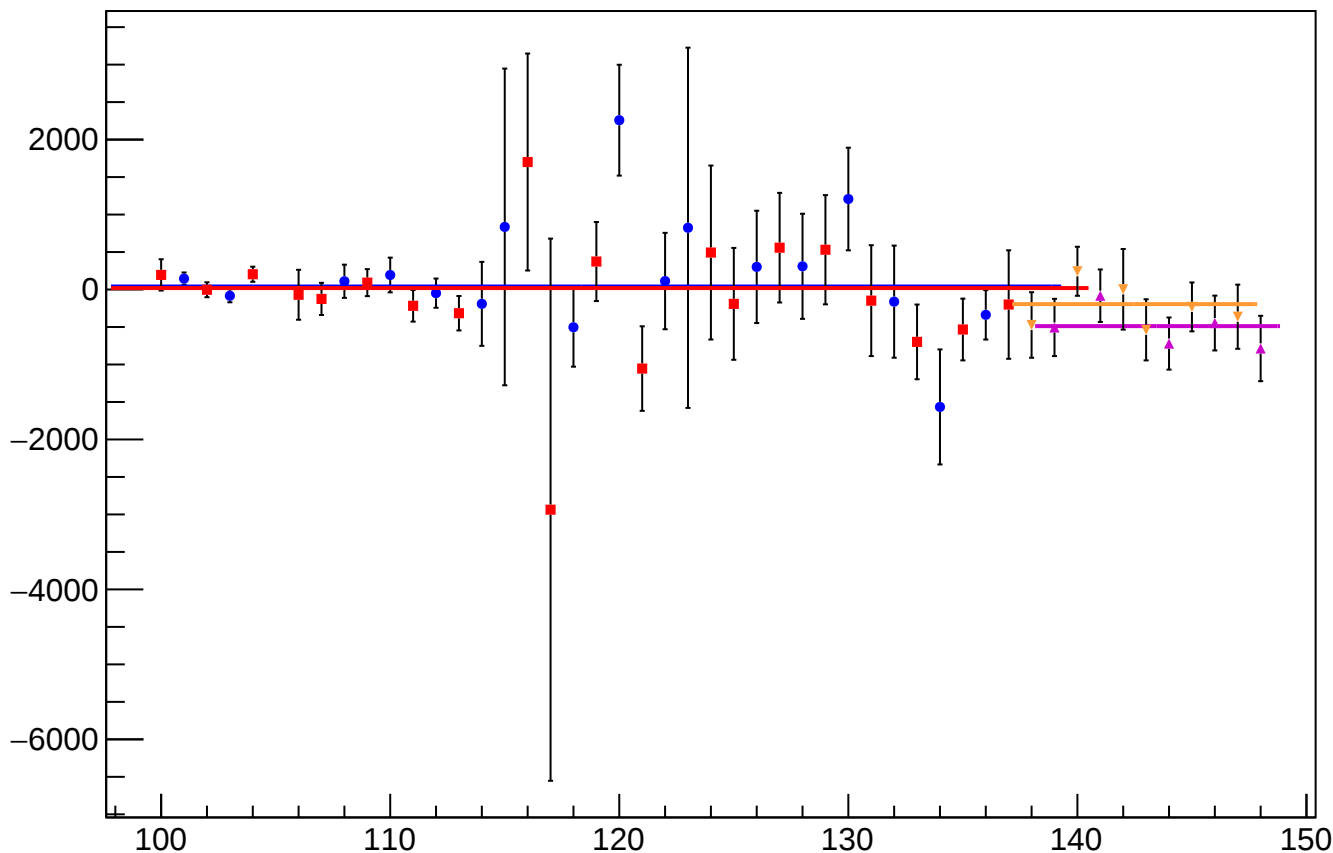
Right Out: 53.285+/-0.014 χ^2/NDF : 398973.0/19

Left In: 59.970+/-0.021 χ^2/NDF : 56157.7/4

56.450+/-0.012 χ^2/NDF : 429476.5/22

55.401+/-0.012 χ^2/NDF : 523233.3/24

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -194.652+/-160.296 χ^2/NDF : 3.2/5

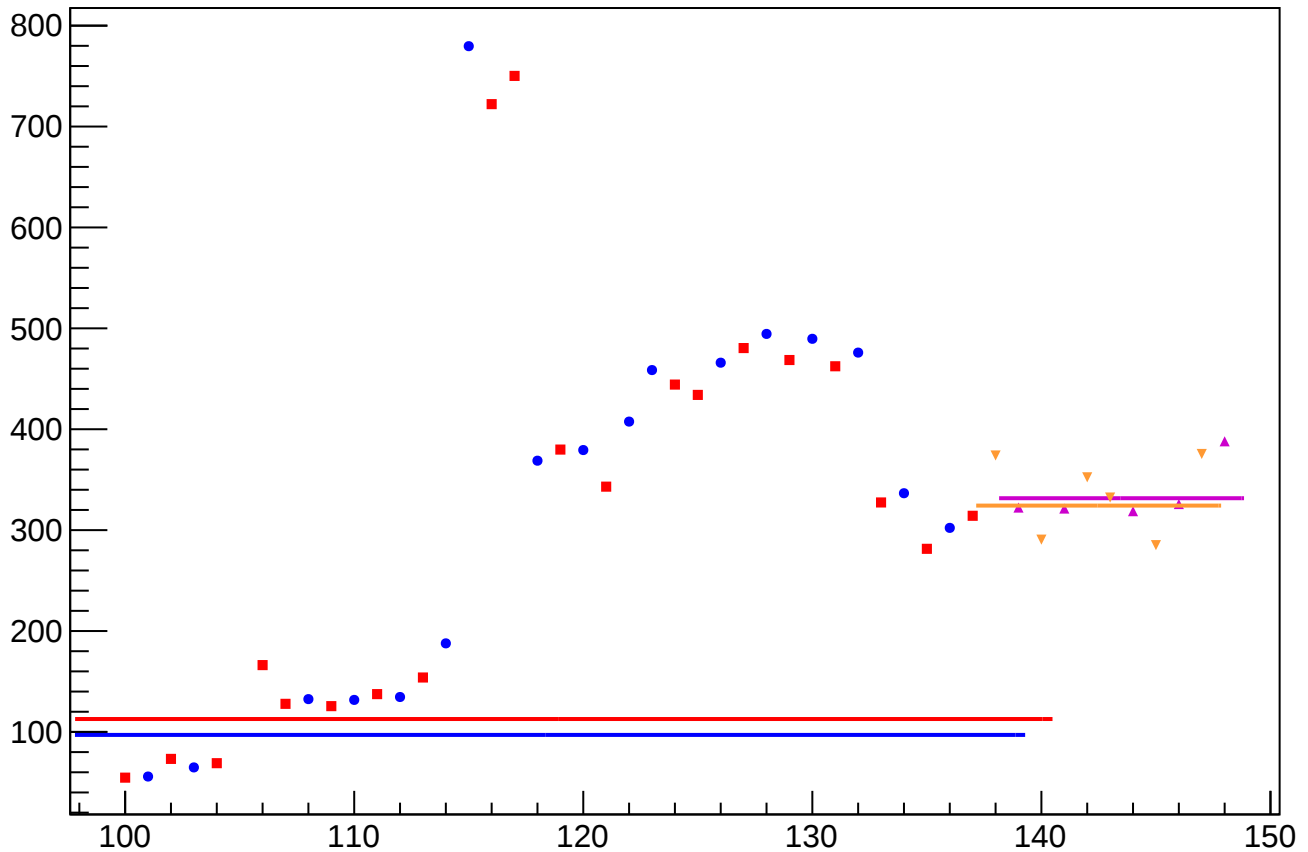
Right Out: 19.590+/-53.268 χ^2/NDF : 19.6/19

Left In: -488.105+/-166.617 χ^2/NDF : 2.3/4

18.200+/-49.068 χ^2/NDF : 29.0/22

-27.490+/-50.738 χ^2/NDF : 30.3/24

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039 ± 0.036 χ^2/NDF : 5819709.2/16

Left Out: 324.322 ± 0.113 χ^2/NDF : 110782.8/5

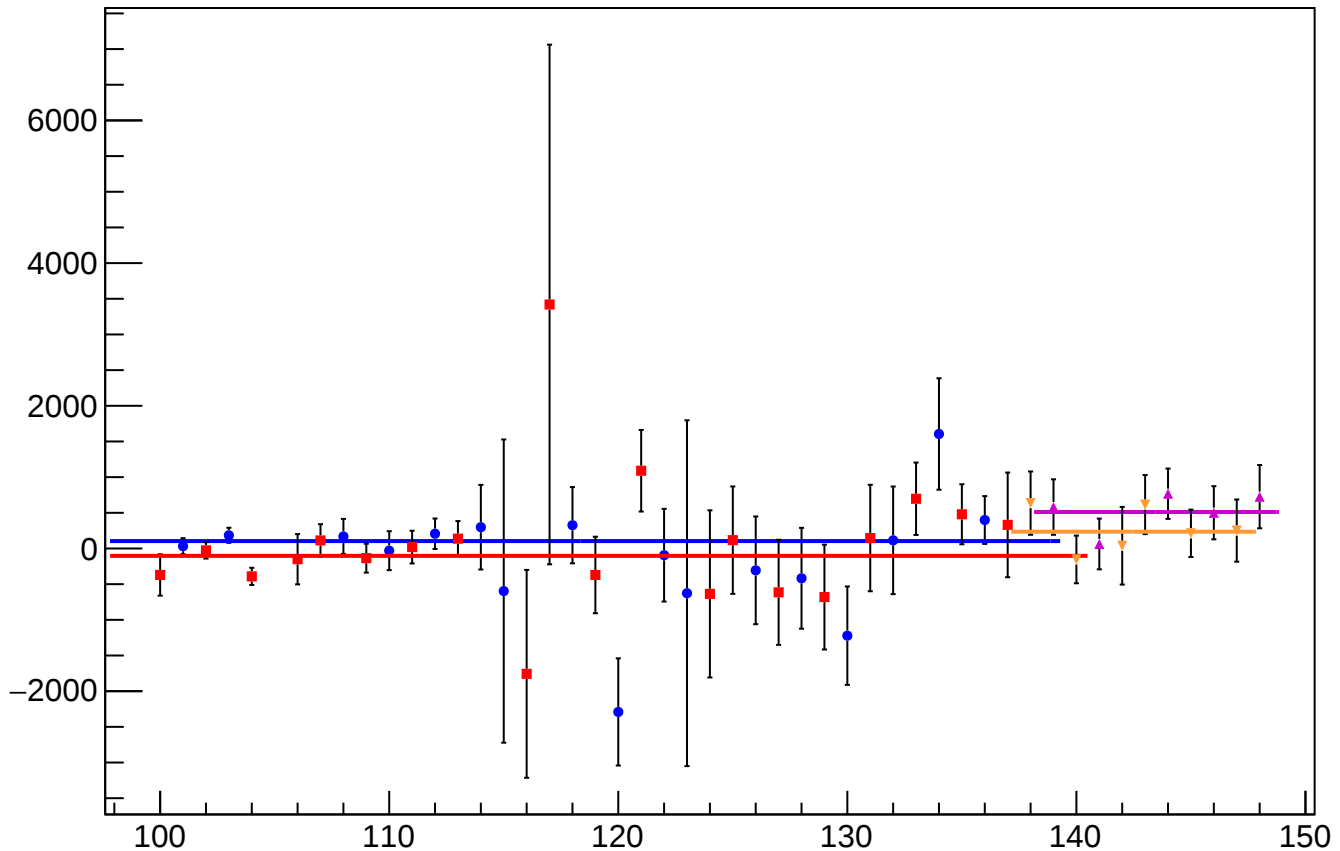
Right Out: 112.792 ± 0.038 χ^2/NDF : 5098459.2/19

Left In: 331.629 ± 0.118 χ^2/NDF : 39570.9/4

118.336 ± 0.035 χ^2/NDF : 9574606.7/22

133.085 ± 0.036 χ^2/NDF : 8268196.2/24

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 235.075 $\pm$ 163.111 χ^2 /NDF: 3.1/5

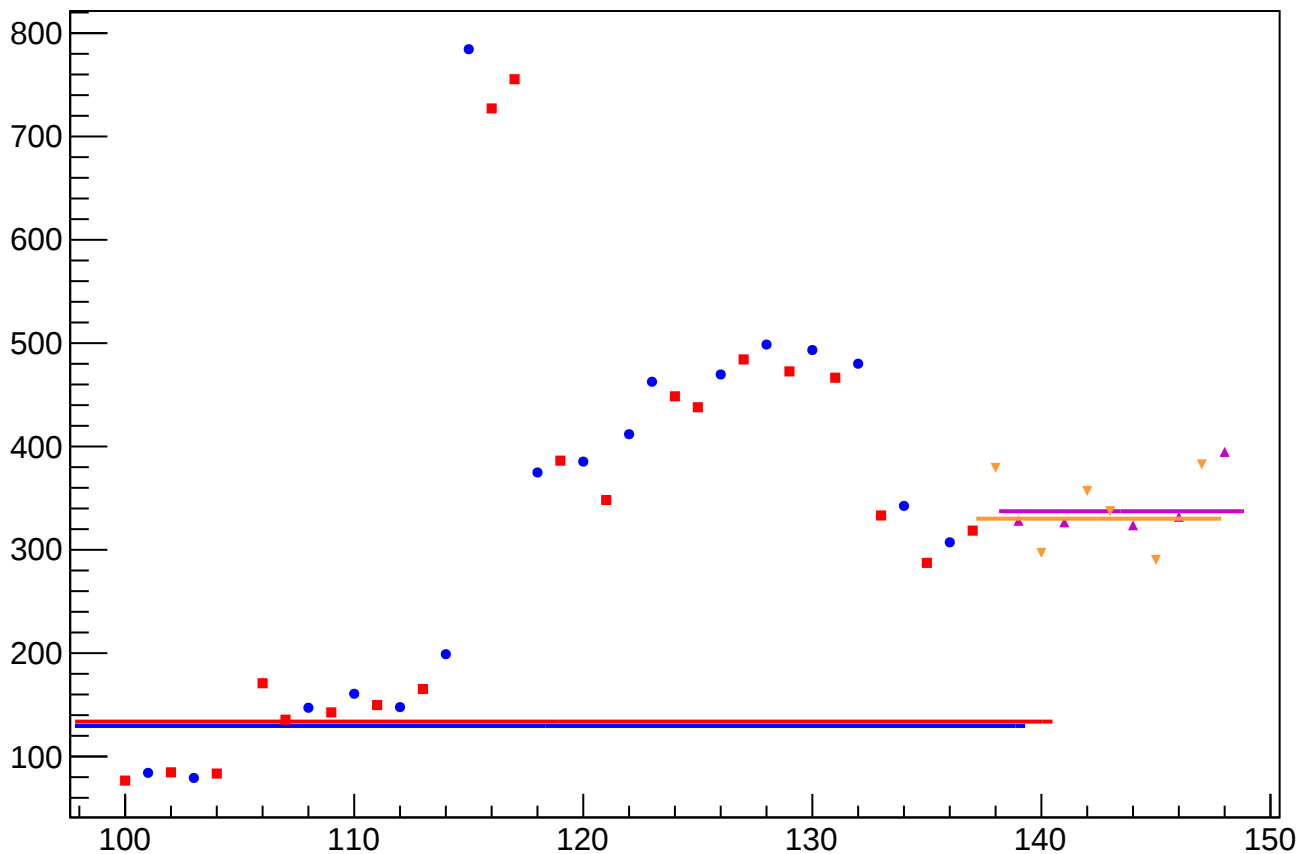
Right Out: -103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

Left In: 511.258 $\pm$ 169.420 χ^2 /NDF: 2.4/4

121.090 $\pm$ 58.896 χ^2 /NDF: 25.0/22

-32.956 $\pm$ 57.267 χ^2 /NDF: 36.3/24

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 330.148+/-0.115 χ^2/NDF : 107476.8/5

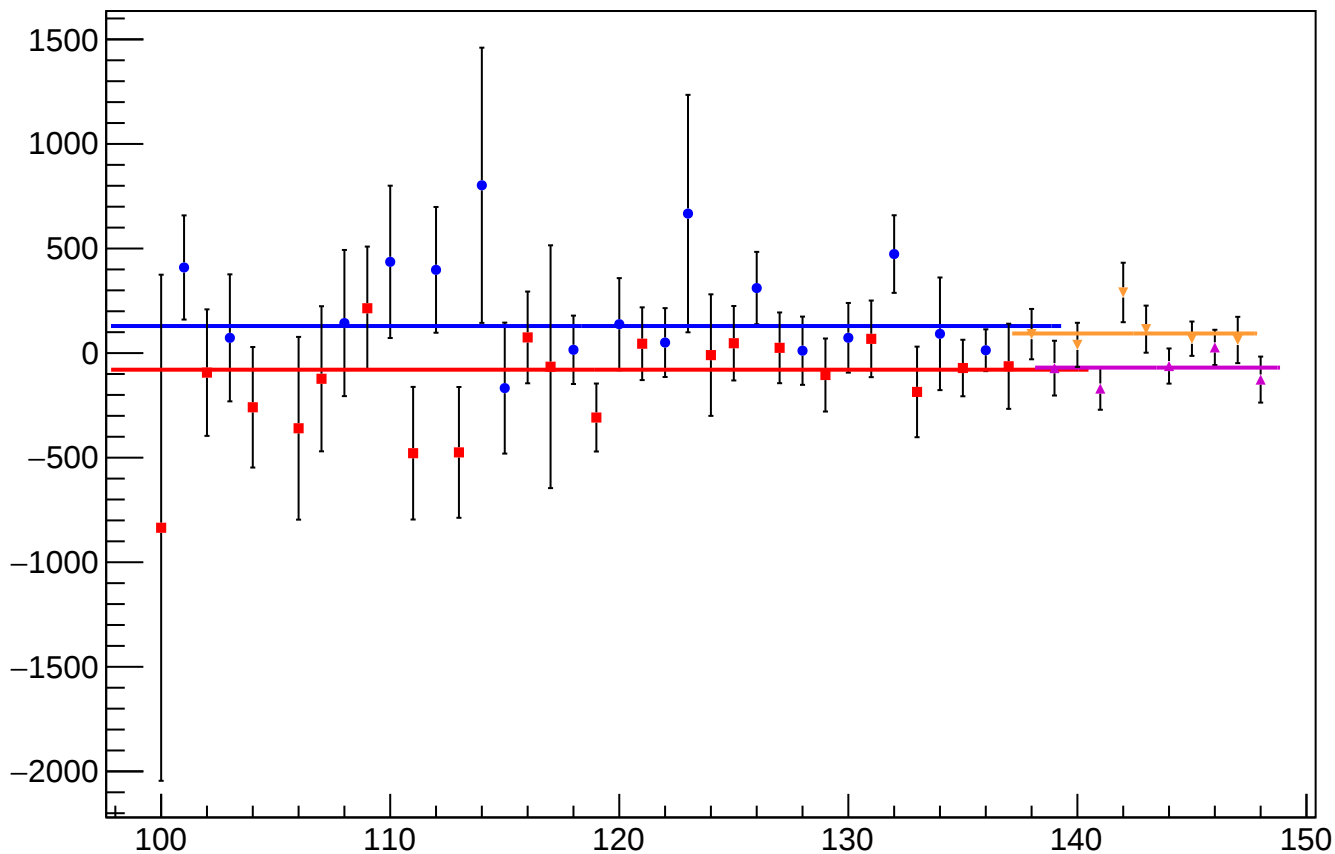
155.705+/-0.042 χ^2/NDF : 7510433.2/22

Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

157.026+/-0.040 χ^2/NDF : 7022083.6/24

Left In: 337.340+/-0.120 χ^2/NDF : 39826.3/4

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 93.757 $\pm$ 43.962 χ^2 /NDF: 2.4/5

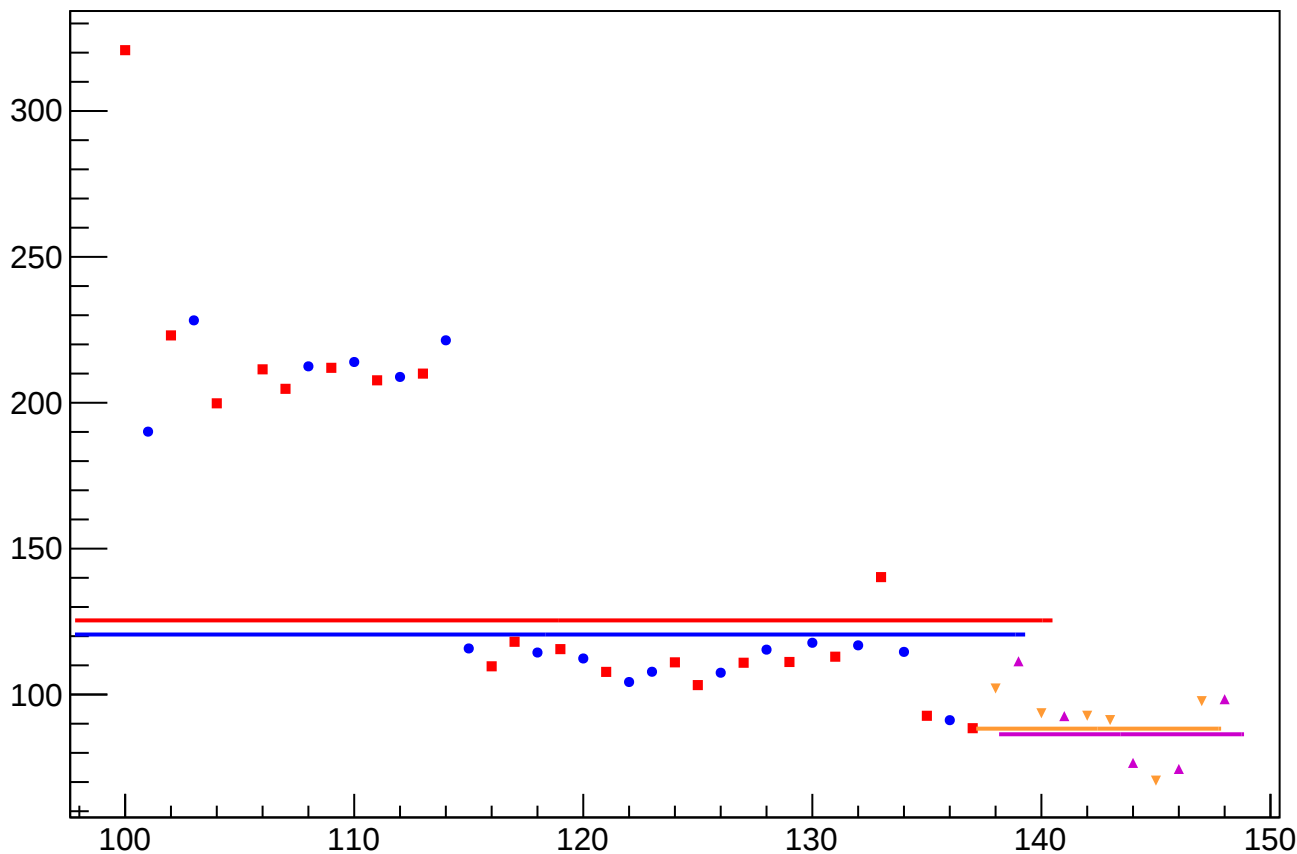
Right Out: -79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

Left In: -69.431 $\pm$ 43.820 χ^2 /NDF: 2.6/4

109.608 $\pm$ 32.759 χ^2 /NDF: 15.6/22

-73.781 $\pm$ 32.869 χ^2 /NDF: 12.8/24

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 88.299 $\pm$ 0.031 χ^2 /NDF:143165.2/5

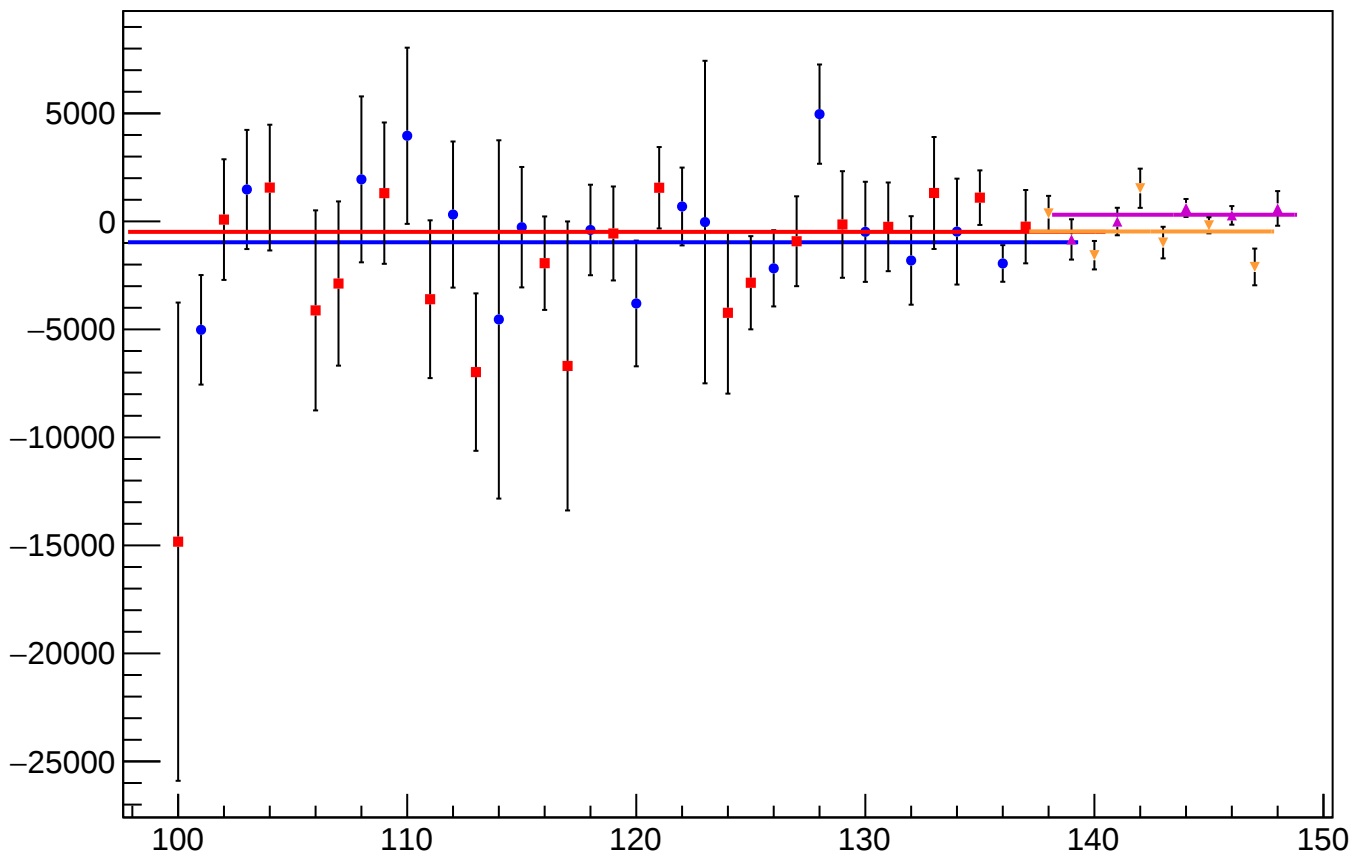
102.649 $\pm$ 0.023 χ^2 /NDF: 1734384.1/22

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

103.444 $\pm$ 0.023 χ^2 /NDF: 2199392.6/24

Left In: 86.374 $\pm$ 0.031 χ^2 /NDF:171399.7/4

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -467.026 ± 253.576 χ^2/NDF : 13.5/5

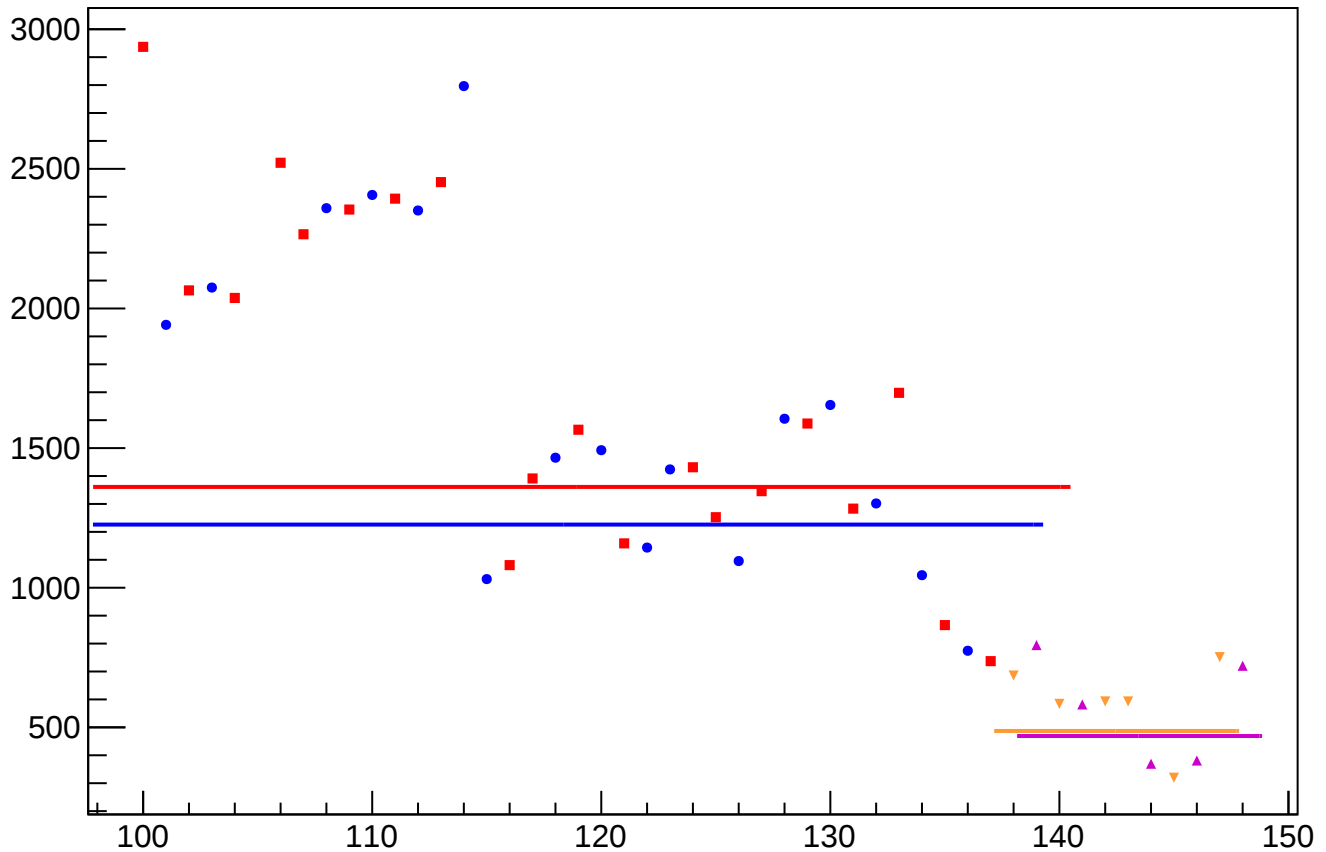
Right Out: -485.654 ± 543.567 χ^2/NDF : 14.3/19

Left In: 307.857 ± 247.633 χ^2/NDF : 2.4/4

-565.321 ± 227.263 χ^2/NDF : 30.7/22

171.474 ± 225.350 χ^2/NDF : 18.5/24

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135 ± 0.362 $\chi^2/\text{NDF}: 1756323.1/16$

Left Out: 487.058 ± 0.179 $\chi^2/\text{NDF}: 832622.5/5$

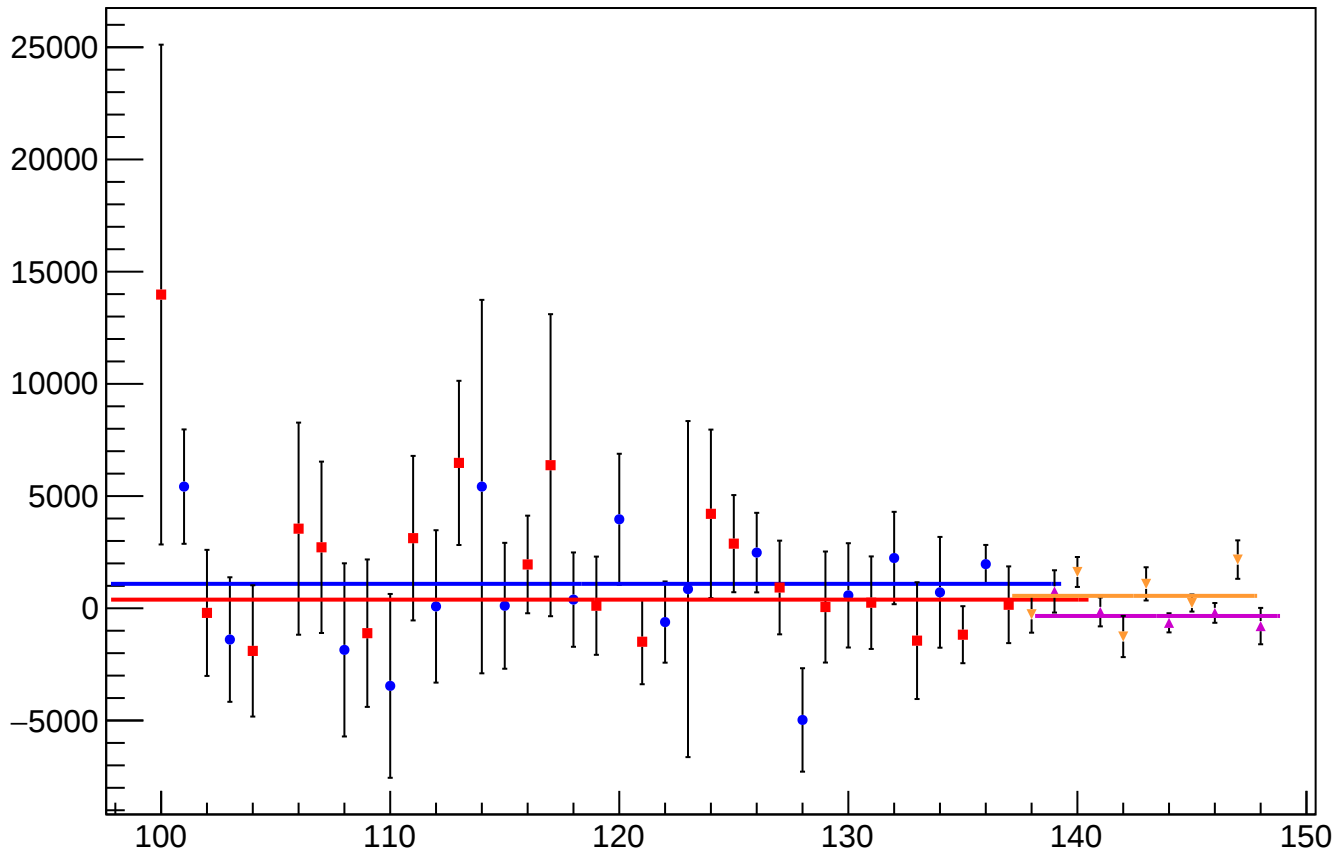
632.481 ± 0.161 $\chi^2/\text{NDF}: 5931946.6/22$

Right Out: 1360.972 ± 0.384 $\chi^2/\text{NDF}: 1749116.2/19$

622.270 ± 0.159 $\chi^2/\text{NDF}: 6908725.3/24$

Left In: 468.957 ± 0.175 $\chi^2/\text{NDF}: 699306.1/4$

asym_sam_26_avg_mean vs Slug



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

661.339+/-230.867 χ^2/NDF : 30.0/22

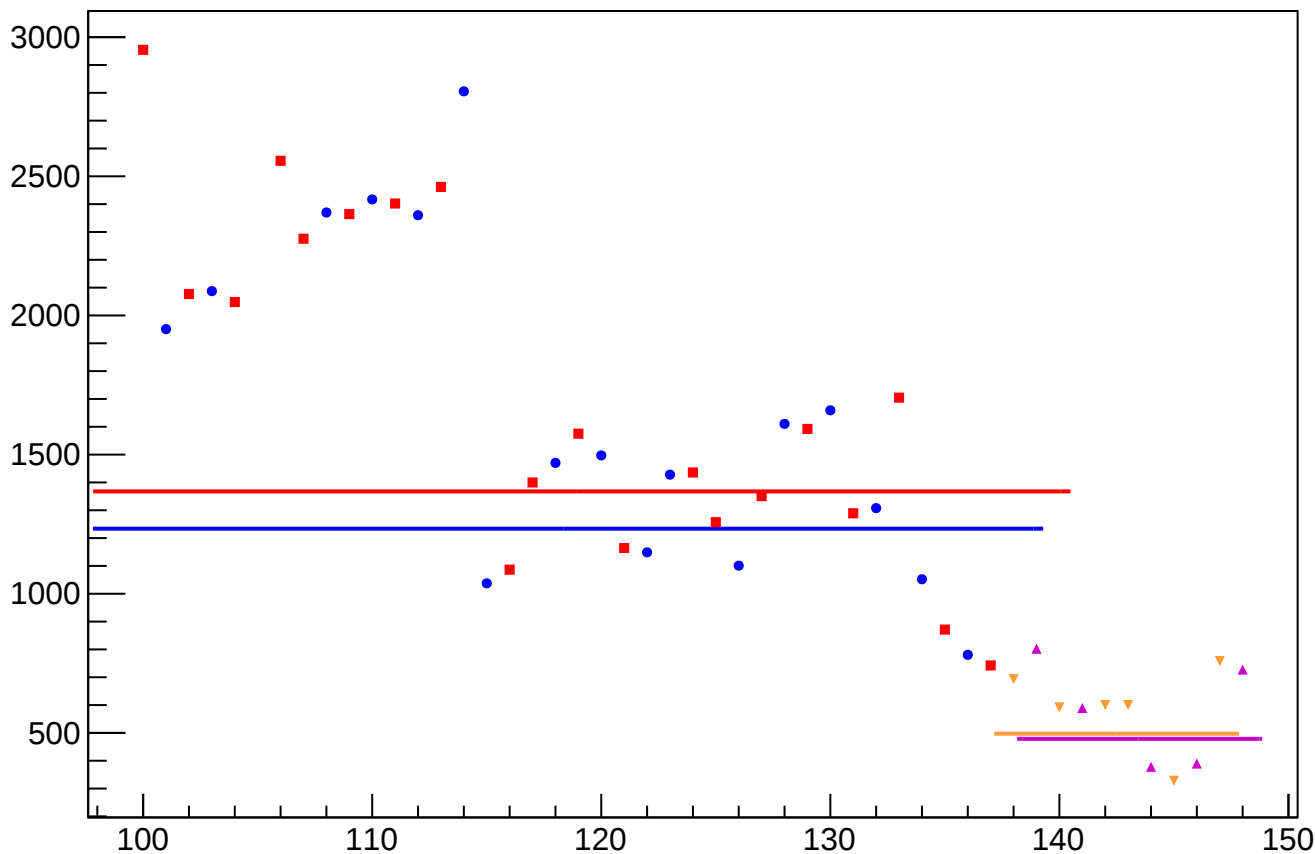
Left Out: 553.908+/-258.237 χ^2/NDF : 12.2/5

Right Out: 385.391+/-546.382 χ^2/NDF : 13.3/19

-214.497+/-229.055 χ^2/NDF : 17.1/24

Left In: -342.405+/-252.296 χ^2/NDF : 2.3/4

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 497.272+/-0.183 χ^2/NDF : 796607.8/5

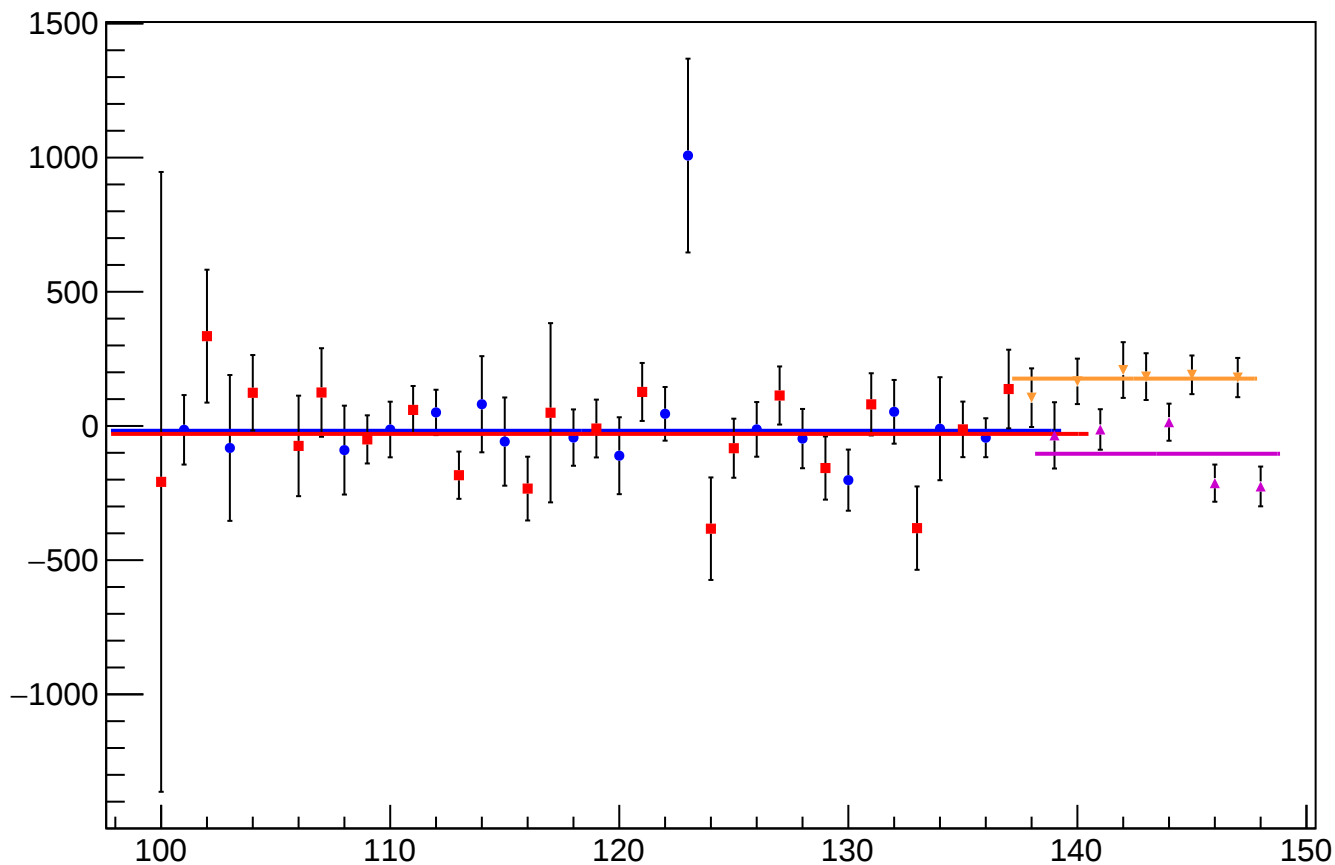
Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

Left In: 478.718+/-0.178 χ^2/NDF : 675627.1/4

645.140+/-0.163 χ^2/NDF : 5807238.3/22

634.975+/-0.162 χ^2/NDF : 6785466.3/24

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 176.493 ± 34.764 $\chi^2/\text{NDF}: 0.6/5$

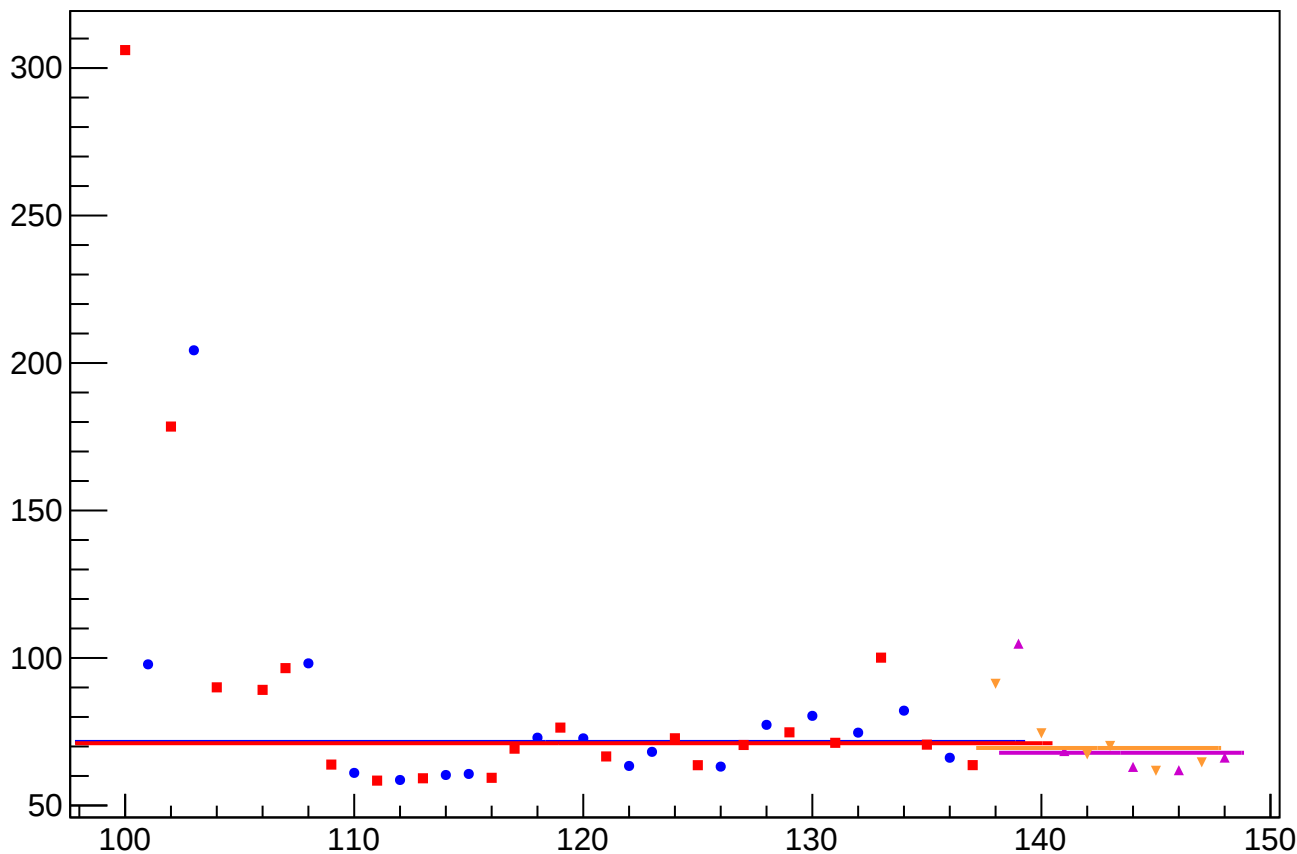
Right Out: -29.517 ± 27.879 $\chi^2/\text{NDF}: 27.5/19$

Left In: -103.553 ± 34.480 $\chi^2/\text{NDF}: 9.8/4$

61.329 ± 22.200 $\chi^2/\text{NDF}: 32.5/22$

-58.785 ± 21.679 $\chi^2/\text{NDF}: 40.1/24$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 69.491+/-0.025 χ^2/NDF :119140.4/5

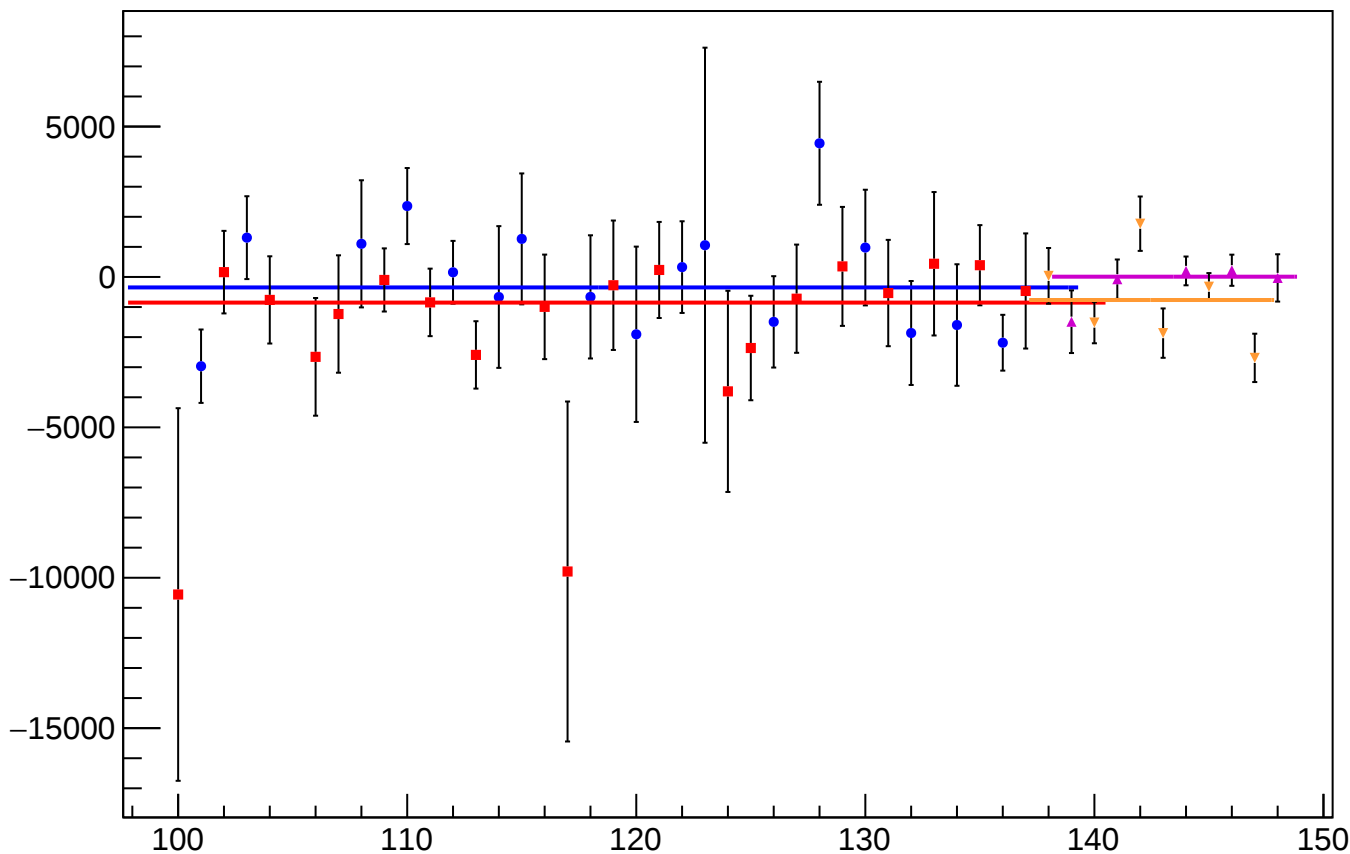
Right Out: 71.102+/-0.020 χ^2/NDF : 765220.8/19

Left In: 67.861+/-0.024 χ^2/NDF :204685.3/4

70.702+/-0.016 χ^2/NDF : 882201.4/22

69.821+/-0.015 χ^2/NDF : 980589.4/24

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -766.245 ± 283.916 χ^2/NDF : 18.3/5

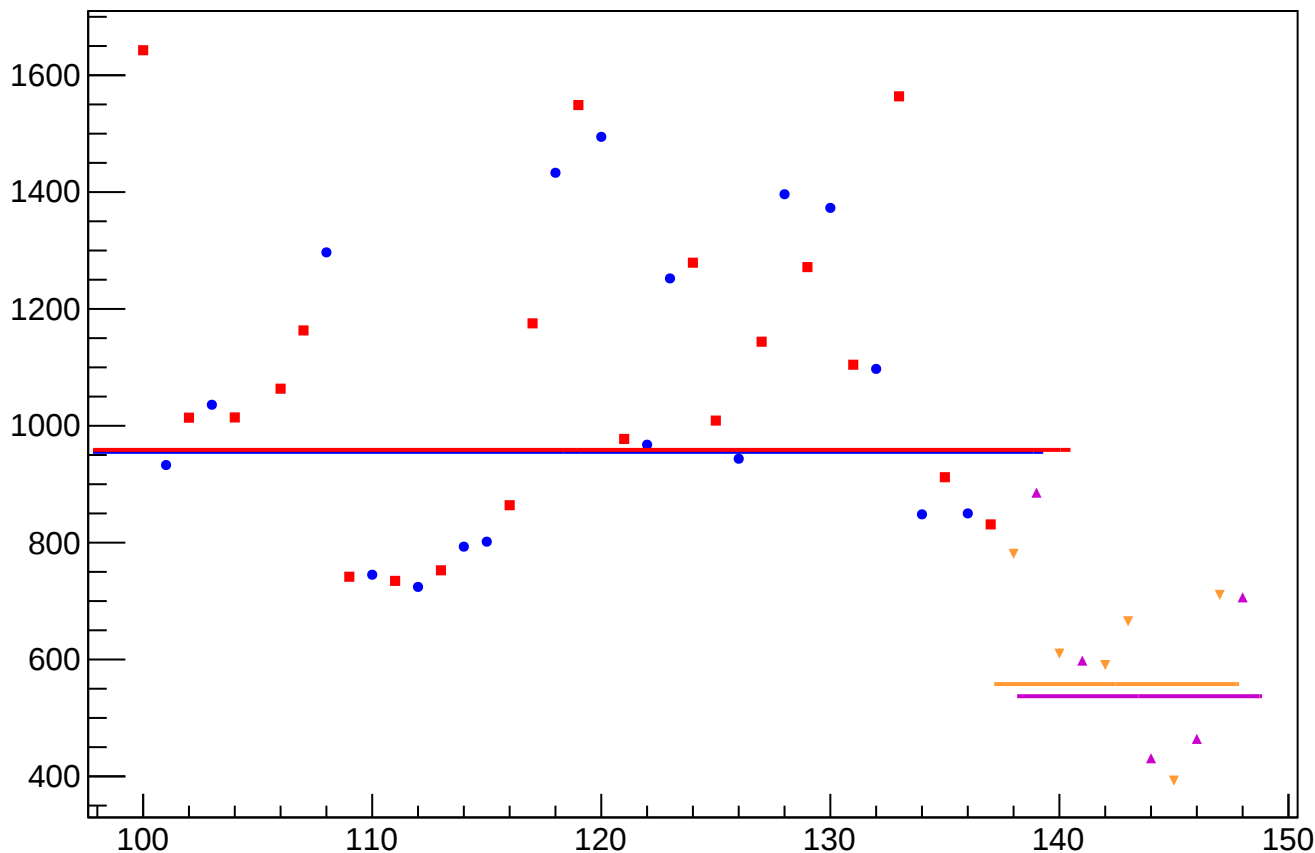
Right Out: -852.433 ± 369.018 χ^2/NDF : 13.0/19

Left In: 8.906 ± 277.665 χ^2/NDF : 2.4/4

-617.394 ± 227.869 χ^2/NDF : 43.1/22

-302.468 ± 221.872 χ^2/NDF : 18.9/24

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 557.928+/-0.201 χ^2/NDF : 502358.3/5

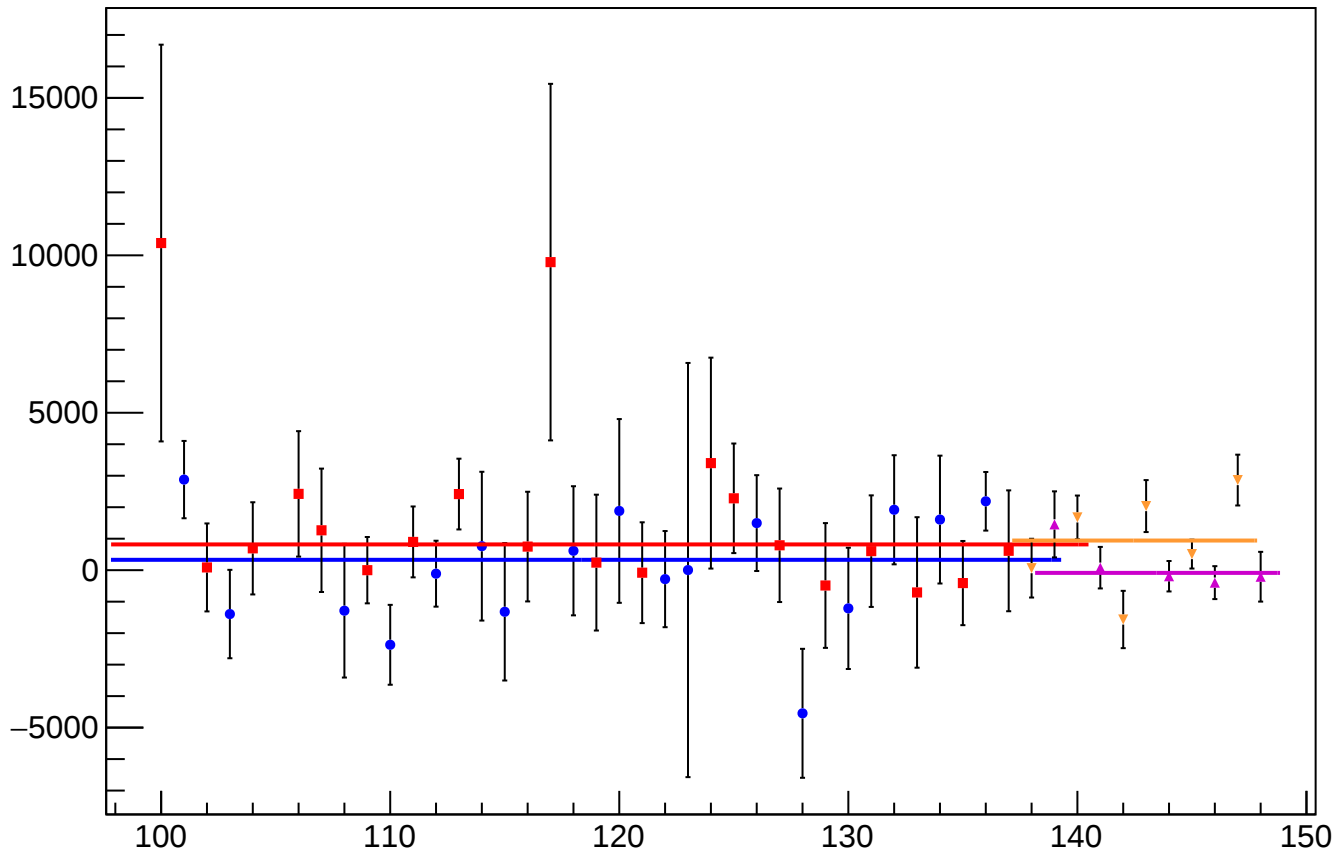
Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

Left In: 537.192+/-0.196 χ^2/NDF : 472023.1/4

699.374+/-0.161 χ^2/NDF : 2543886.3/22

689.595+/-0.157 χ^2/NDF : 2834778.3/24

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 941.632 ± 286.474 χ^2/NDF : 17.9/5

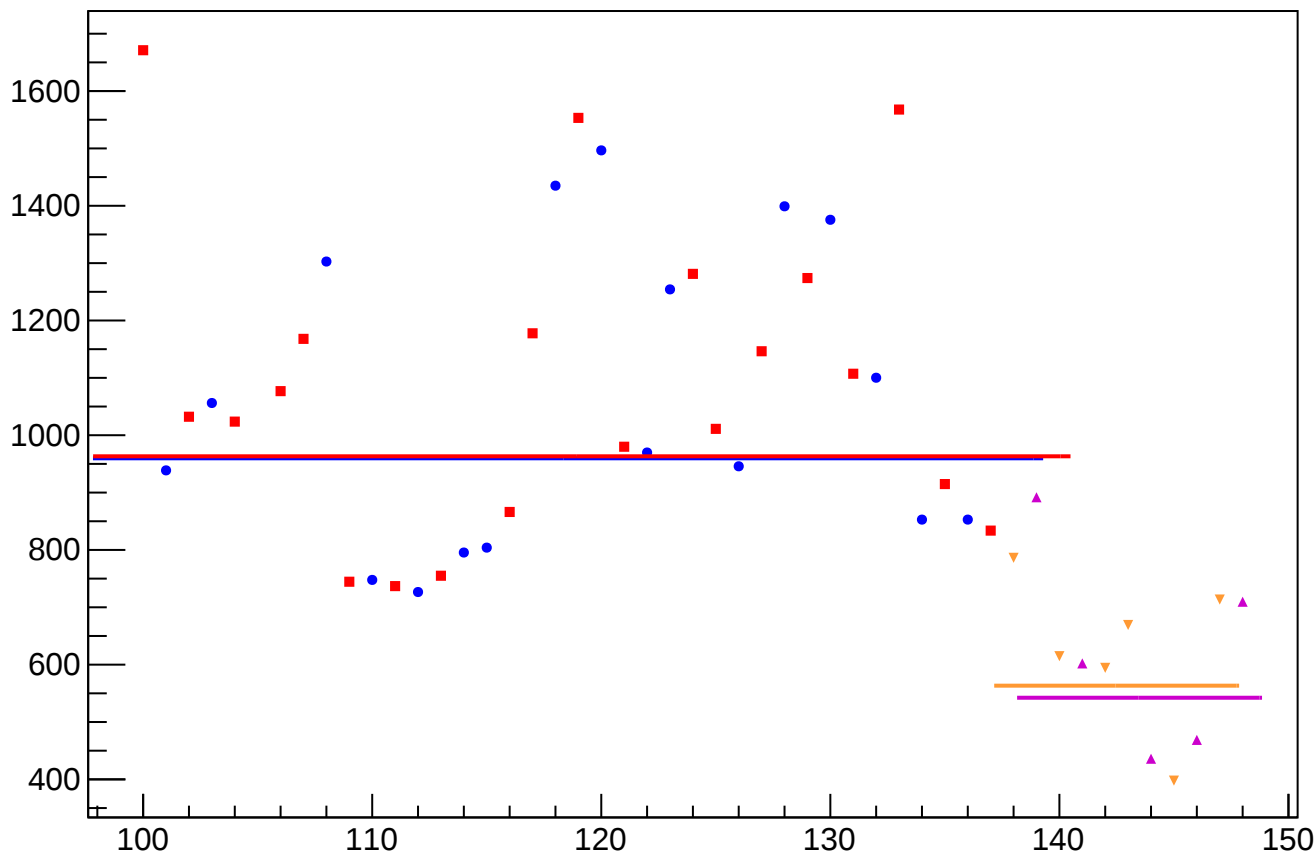
Right Out: 818.253 ± 370.875 χ^2/NDF : 11.8/19

Left In: -85.972 ± 280.145 χ^2/NDF : 2.6/4

722.441 ± 229.558 χ^2/NDF : 43.8/22

242.524 ± 223.539 χ^2/NDF : 18.3/24

asym_sam_37_avg_rms vs Slug



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 563.365 $\pm$ 0.203 χ^2 /NDF: 489822.3/5

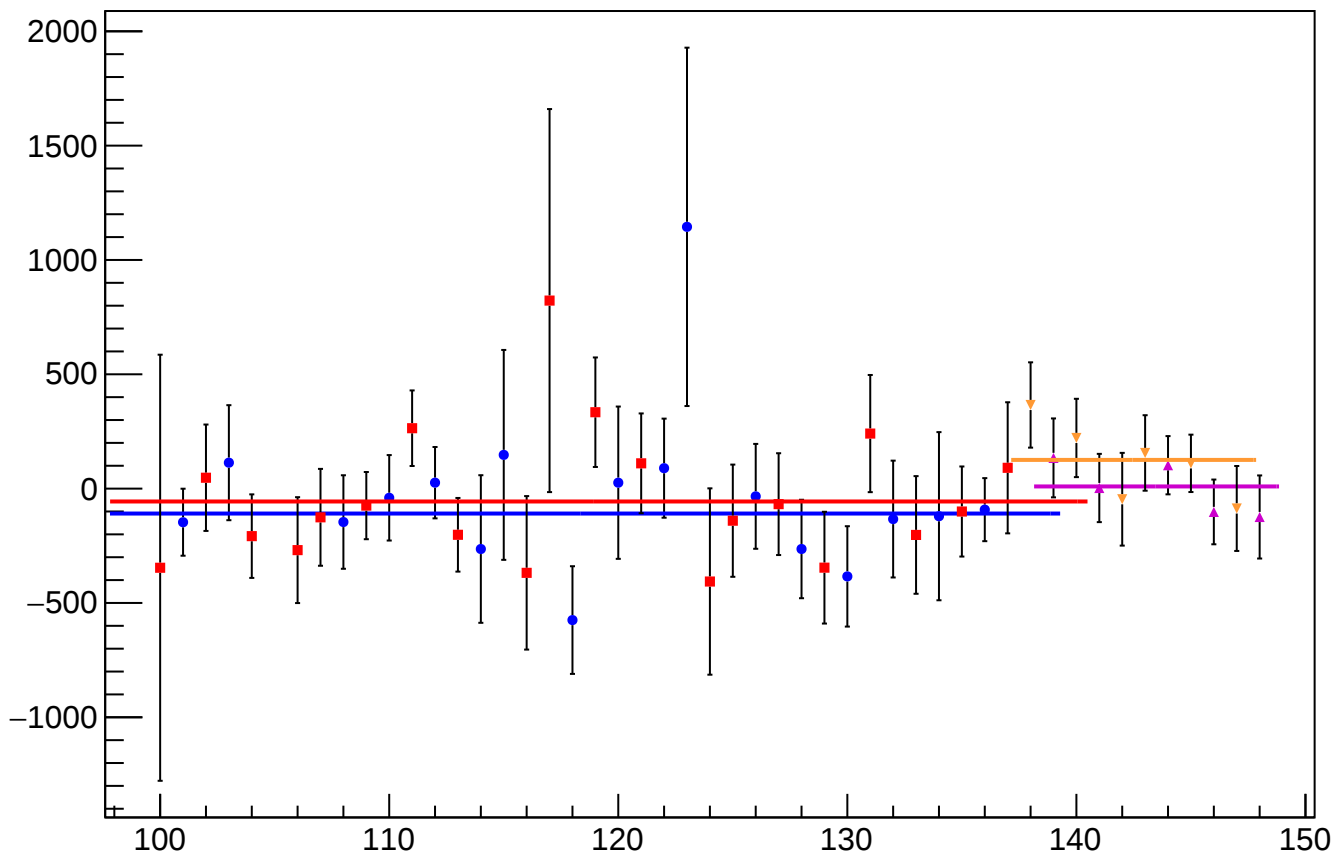
Right Out: 963.238 $\pm$ 0.262 χ^2 /NDF: 698638.3/19

Left In: 542.314 $\pm$ 0.198 χ^2 /NDF: 464407.3/4

705.231 $\pm$ 0.162 χ^2 /NDF: 2507047.5/22

695.231 $\pm$ 0.158 χ^2 /NDF: 2803348.9/24

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 $\chi^2/\text{NDF}: 12.0/16$

Left Out: 125.567 ± 67.984 $\chi^2/\text{NDF}: 4.0/5$

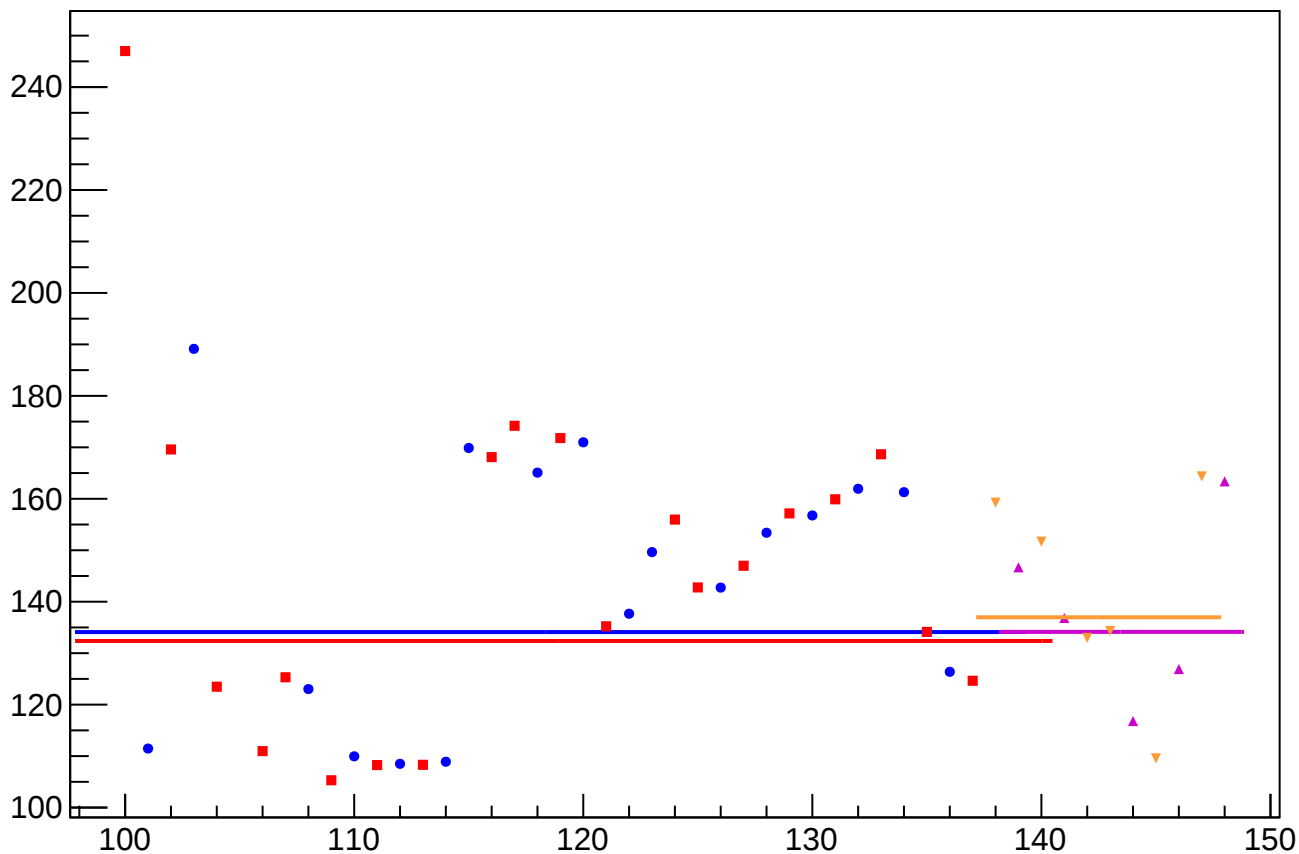
Right Out: -56.241 ± 50.729 $\chi^2/\text{NDF}: 16.0/19$

Left In: 9.529 ± 67.377 $\chi^2/\text{NDF}: 2.2/4$

-20.475 ± 41.761 $\chi^2/\text{NDF}: 23.5/22$

-32.446 ± 40.526 $\chi^2/\text{NDF}: 18.8/24$

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 136.971+/-0.048 χ^2/NDF :183386.3/5

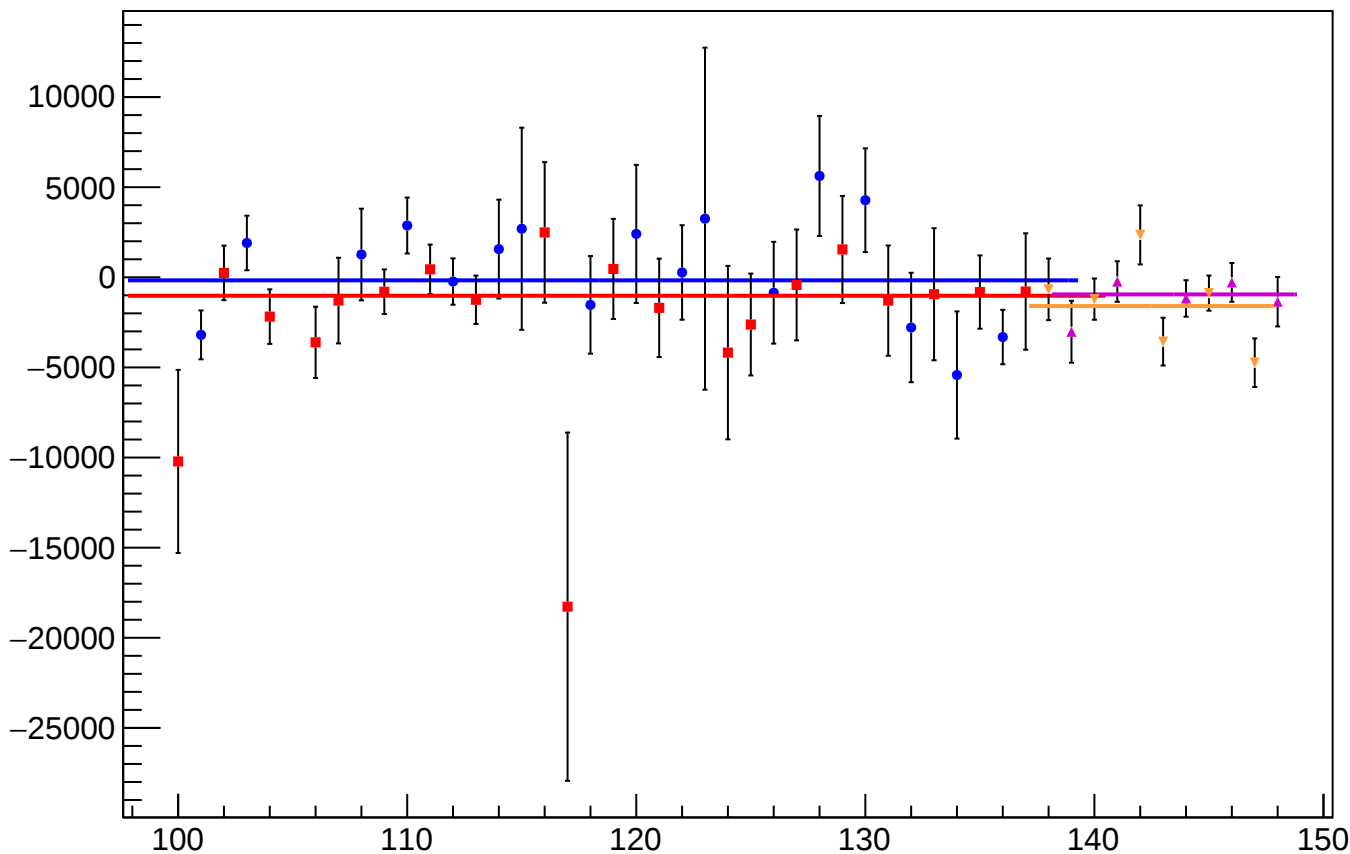
Right Out: 132.373+/-0.036 χ^2/NDF : 446741.9/19

Left In: 134.138+/-0.048 χ^2/NDF :105271.2/4

135.185+/-0.030 χ^2/NDF : 588183.3/22

133.011+/-0.029 χ^2/NDF : 552888.8/24

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -1596.829 ± 523.535 χ^2/NDF : 14.4/5

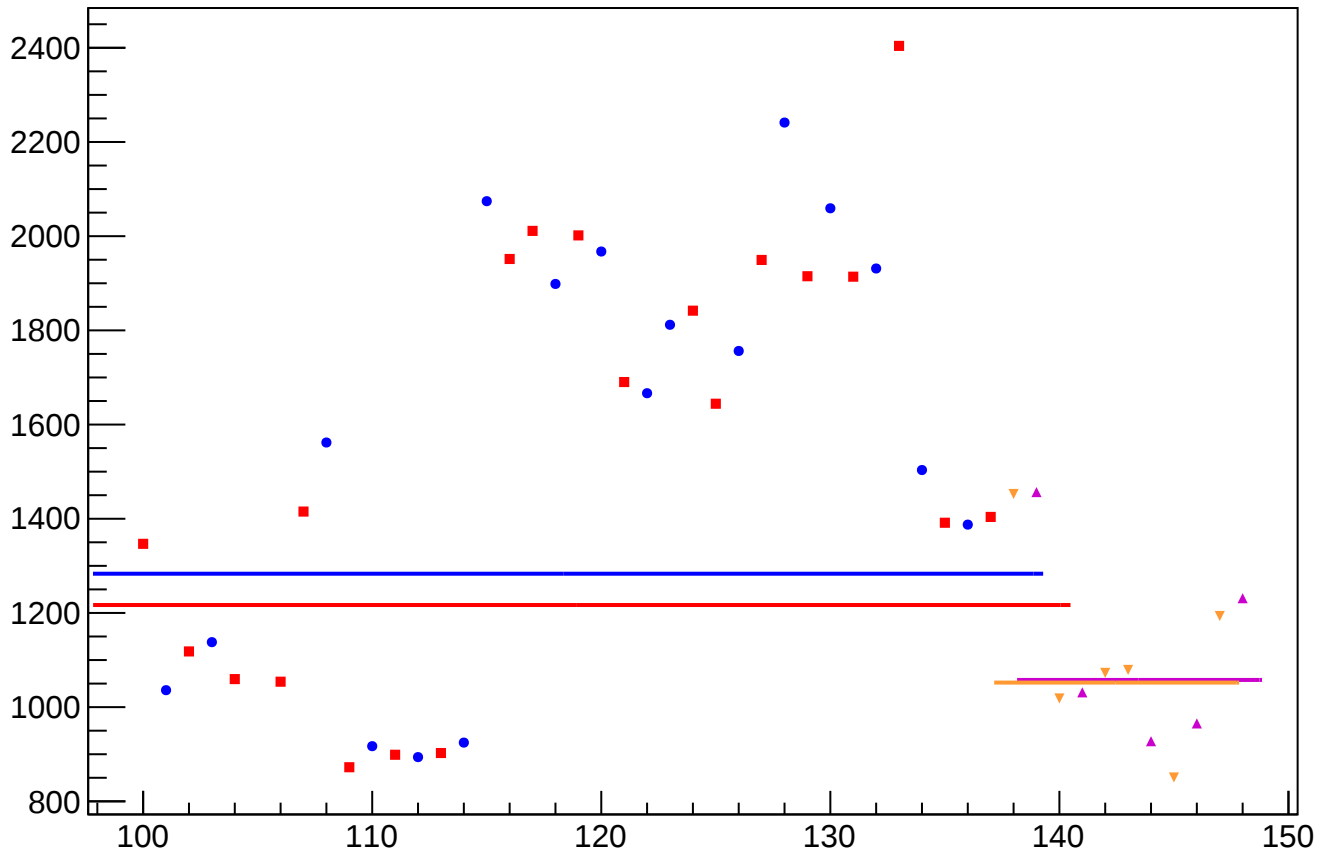
Right Out: -1023.271 ± 480.373 χ^2/NDF : 13.4/19

Left In: -948.343 ± 534.477 χ^2/NDF : 2.4/4

-882.721 ± 370.244 χ^2/NDF : 43.4/22

-989.790 ± 357.277 χ^2/NDF : 15.8/24

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1052.150+/-0.370 χ^2/NDF :220180.1/5

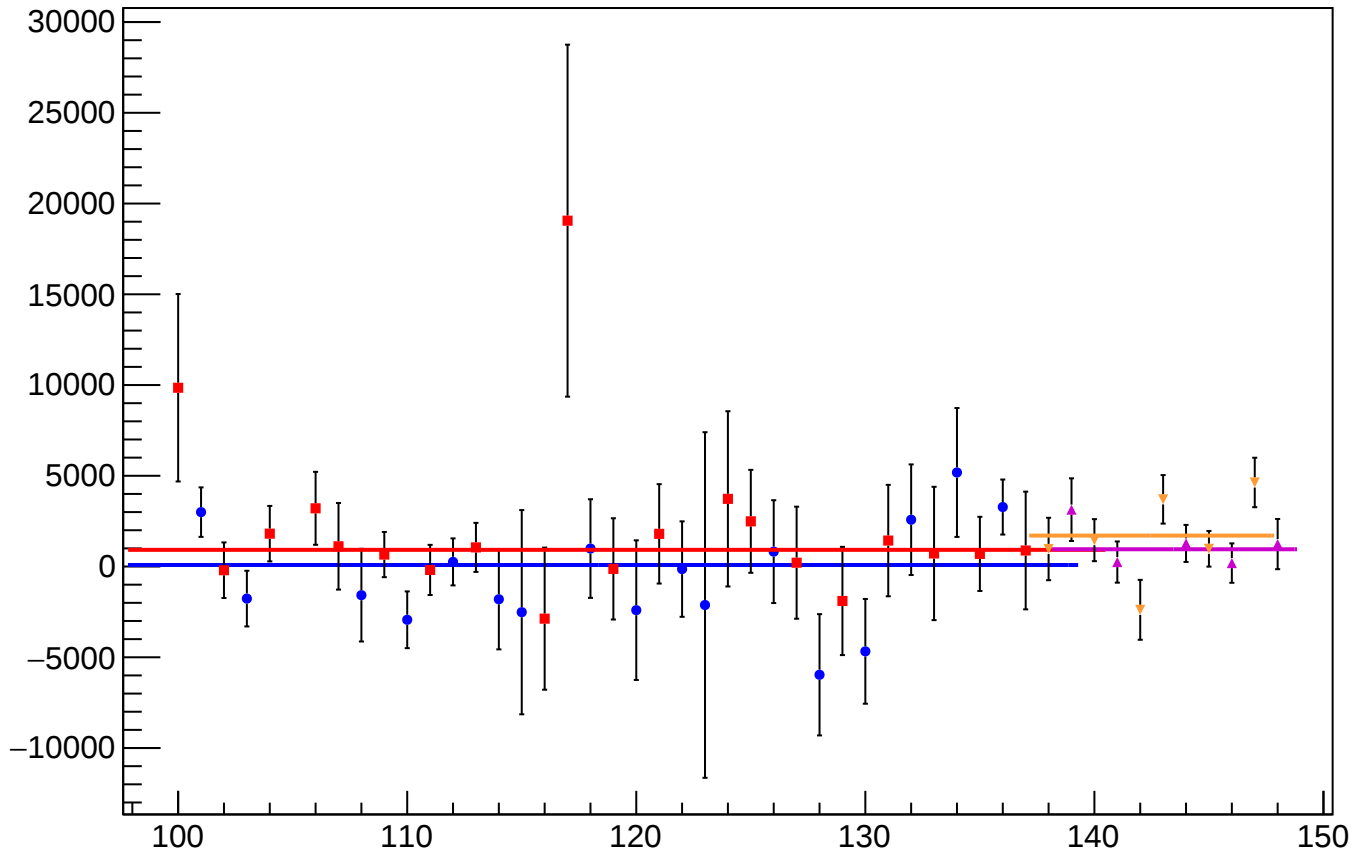
1167.703+/-0.262 χ^2/NDF : 1584529.3/22

Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

1145.762+/-0.253 χ^2/NDF : 1661277.6/24

Left In: 1057.757+/-0.378 χ^2/NDF :188836.9/4

asym_sam_48_avg_mean vs Slug



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1704.827+/-528.158 χ^2/NDF : 13.8/5

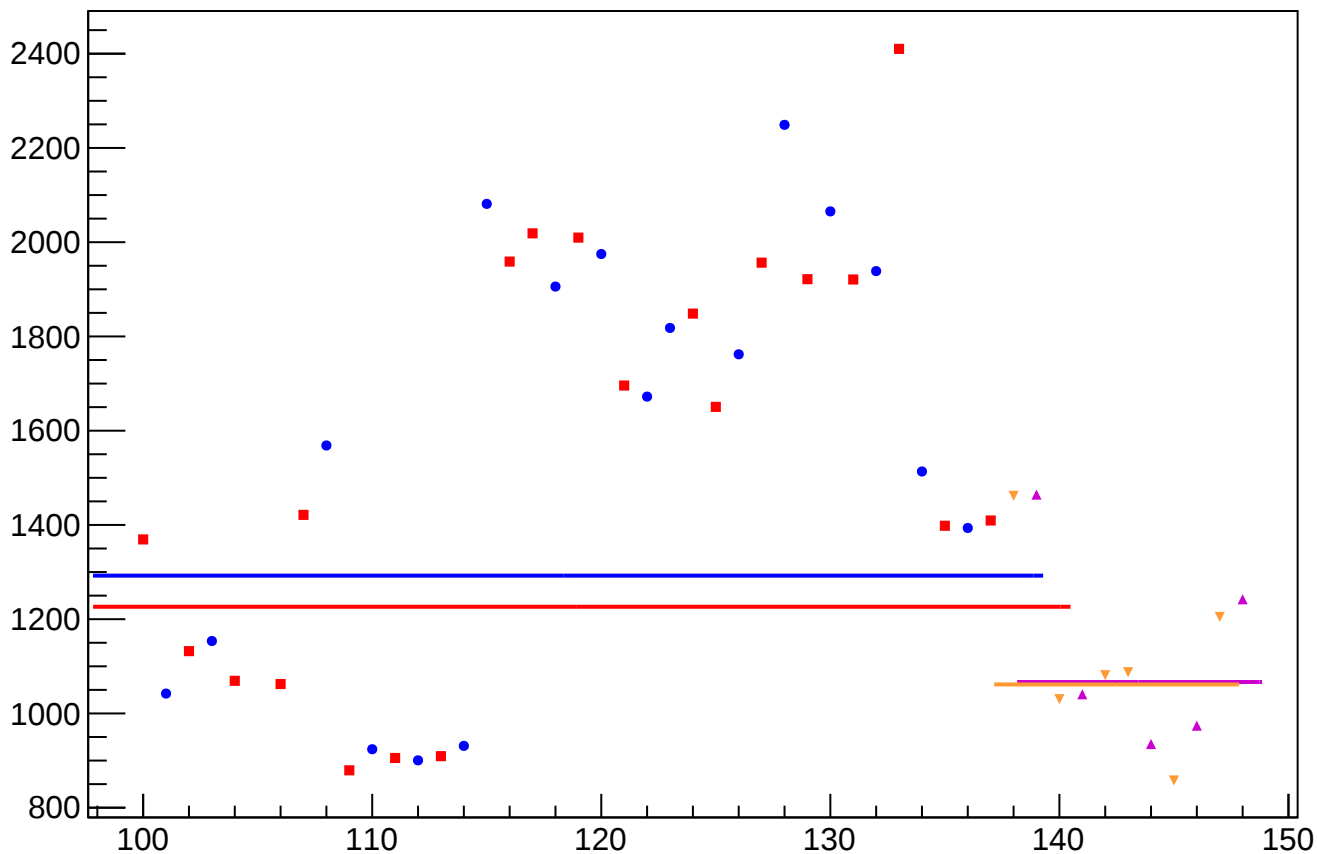
Right Out: 919.892+/-484.043 χ^2/NDF : 12.2/19

Left In: 951.361+/-538.918 χ^2/NDF : 2.6/4

893.301+/-373.083 χ^2/NDF : 43.2/22

933.943+/-360.113 χ^2/NDF : 14.8/24

asym_sam_48_avg_rms vs Slug



Right In: 1292.426 ± 0.373 χ^2/NDF : 1156576.0/16

Left Out: 1061.557 ± 0.373 χ^2/NDF : 219030.5/5

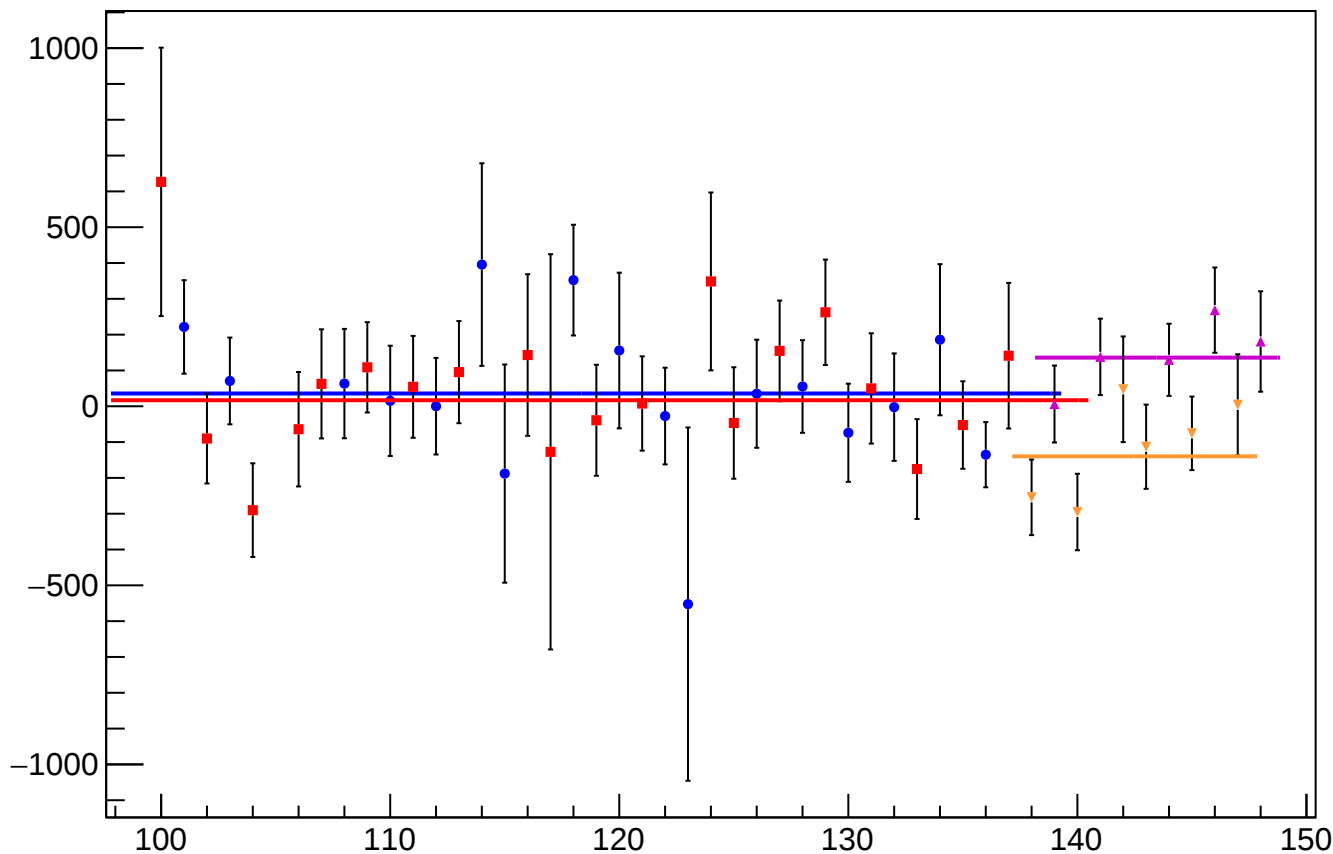
Right Out: 1226.408 ± 0.342 χ^2/NDF : 1359134.9/19

Left In: 1066.706 ± 0.381 χ^2/NDF : 187268.8/4

1177.226 ± 0.264 χ^2/NDF : 1567071.0/22

1155.100 ± 0.255 χ^2/NDF : 1643614.8/24

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -139.802+/-47.616 χ^2/NDF : 6.4/5

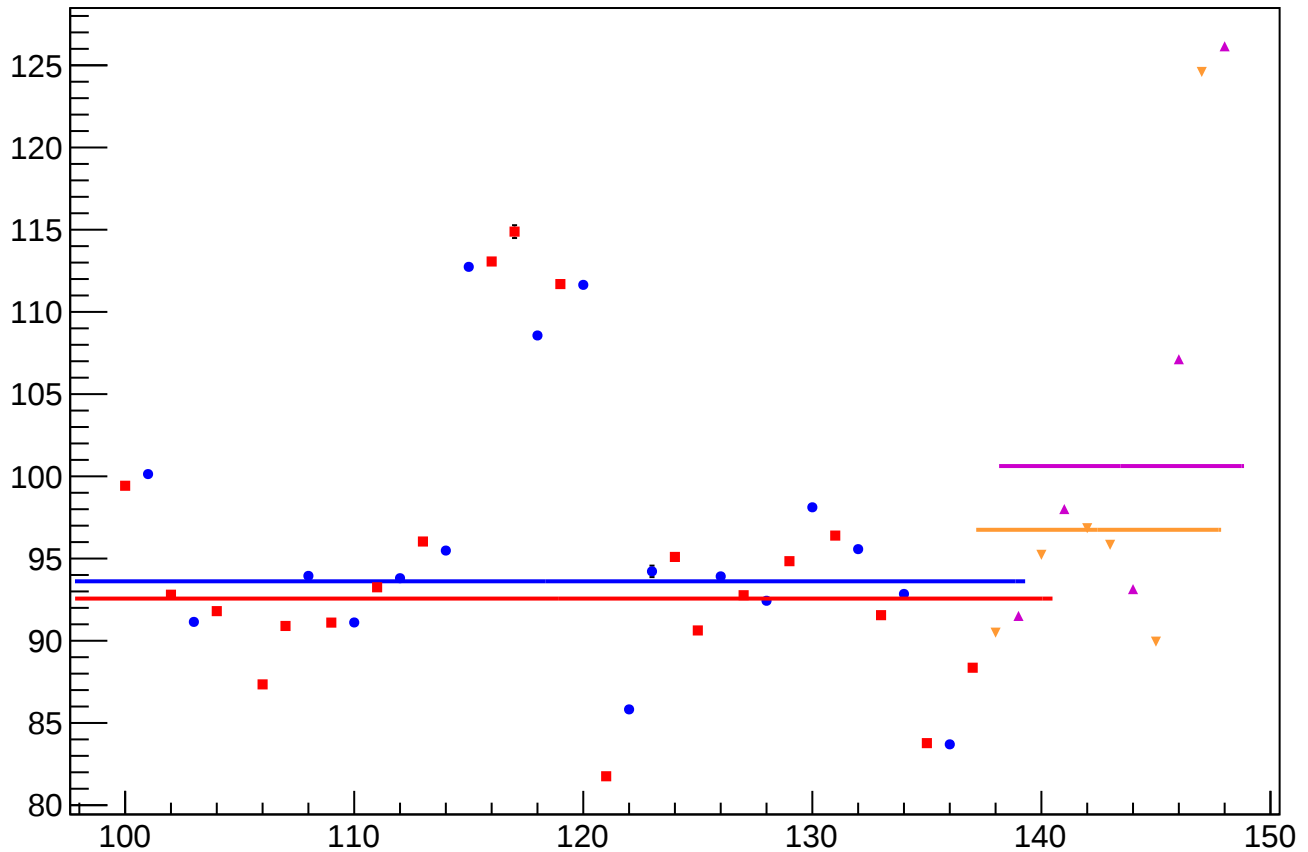
Right Out: 16.849+/-34.623 χ^2/NDF : 19.0/19

Left In: 135.854+/-50.338 χ^2/NDF : 2.8/4

-28.934+/-28.893 χ^2/NDF : 30.3/22

55.067+/-28.526 χ^2/NDF : 25.6/24

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616 ± 0.026 χ^2/NDF : 79928.5/16

Left Out: 96.749 ± 0.034 χ^2/NDF : 94441.1/5

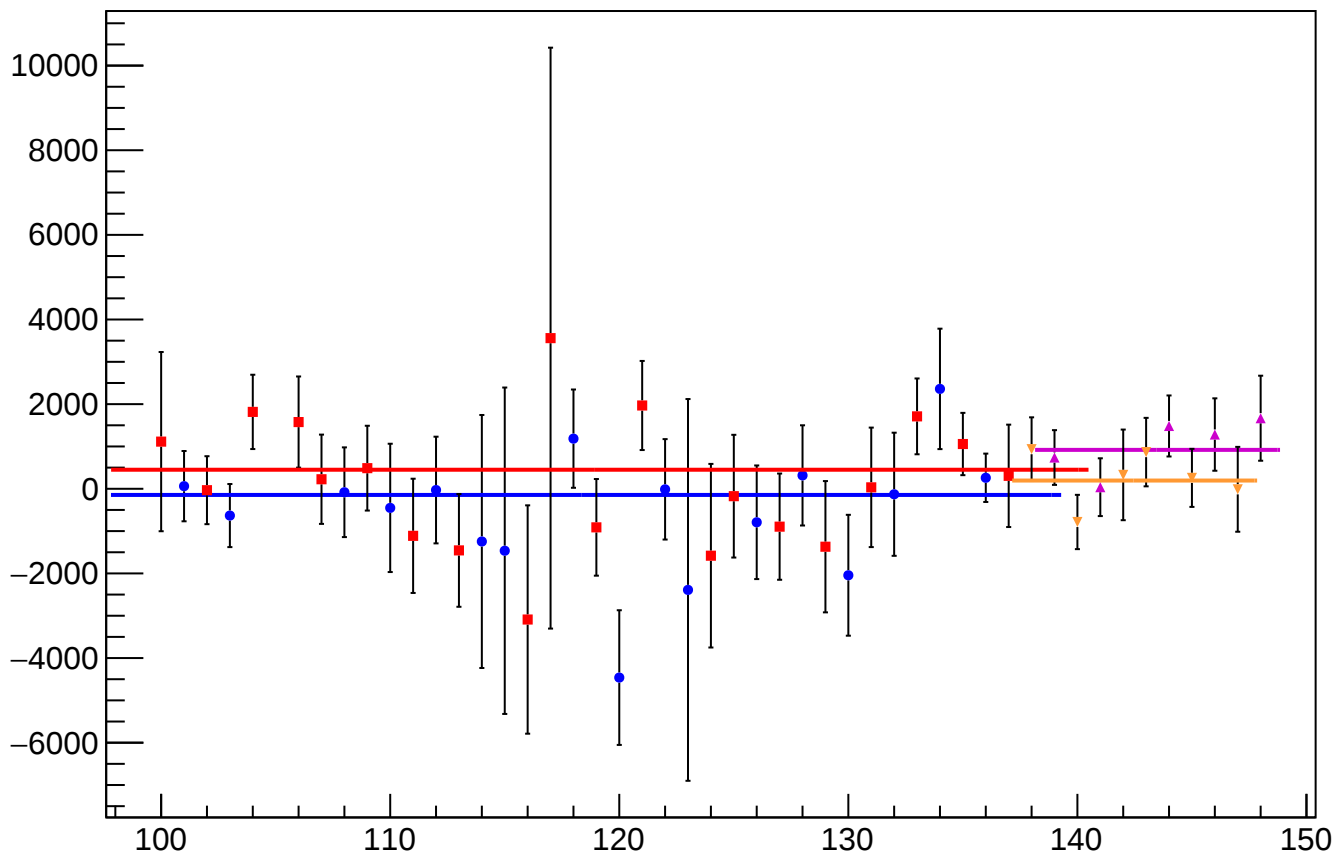
Right Out: 92.565 ± 0.024 χ^2/NDF : 81875.5/19

Left In: 100.625 ± 0.036 χ^2/NDF : 98966.3/4

94.769 ± 0.020 χ^2/NDF : 179839.6/22

95.154 ± 0.020 χ^2/NDF : 215651.2/24

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464+/-276.629 χ^2/NDF : 15.5/16

Left Out: 194.719+/-320.791 χ^2/NDF : 4.1/5

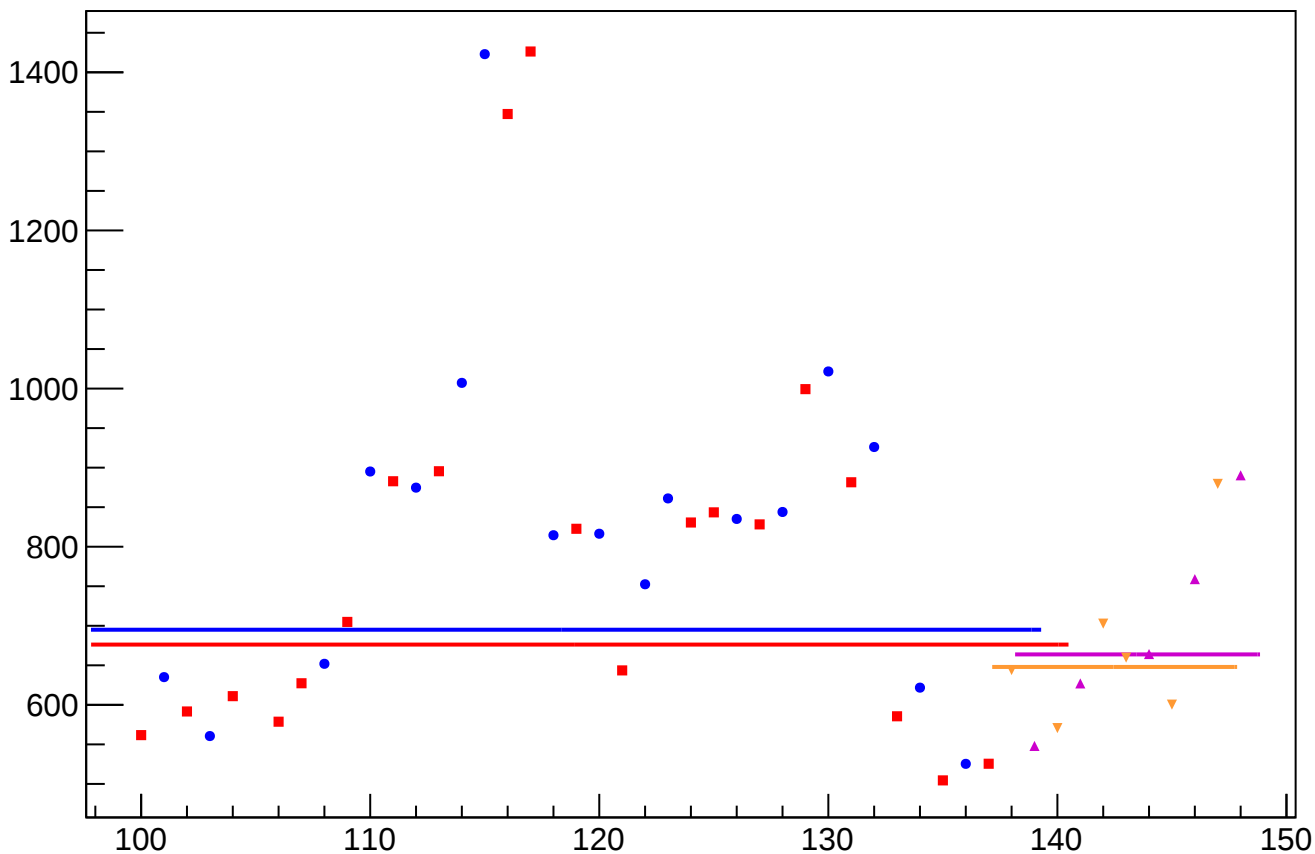
Right Out: 450.047+/-260.089 χ^2/NDF : 19.2/19

Left In: 919.301+/-336.777 χ^2/NDF : 3.1/4

-0.383+/-209.494 χ^2/NDF : 20.2/22

625.361+/-205.848 χ^2/NDF : 23.5/24

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 ± 0.196 χ^2/NDF : 677713.0/16

Left Out: 647.939 ± 0.227 χ^2/NDF : 151101.7/5

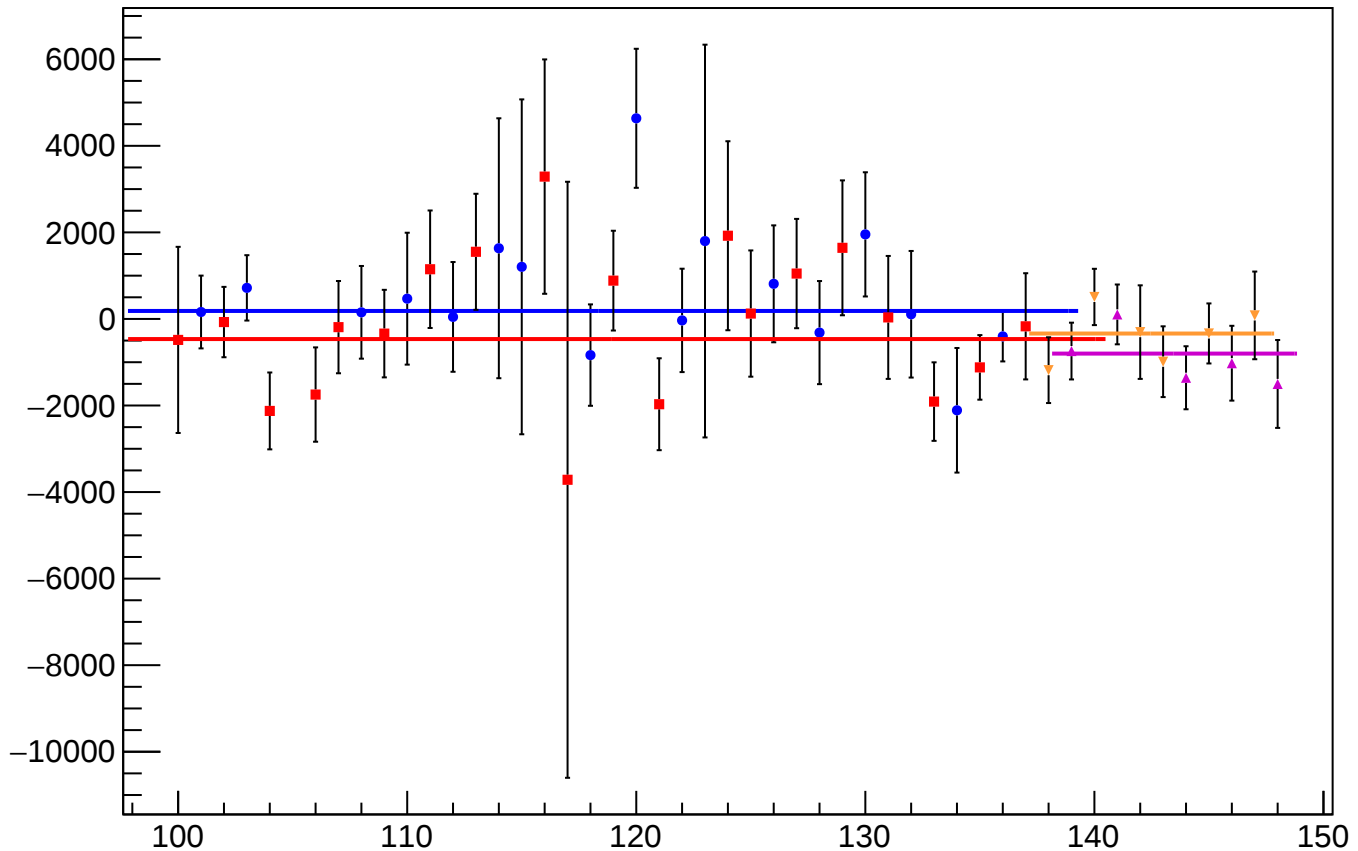
Right Out: 676.229 ± 0.184 χ^2/NDF : 700313.6/19

Left In: 663.807 ± 0.238 χ^2/NDF : 196281.9/4

674.937 ± 0.148 χ^2/NDF : 853515.2/22

671.588 ± 0.146 χ^2/NDF : 898300.2/24

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -337.228 ± 324.435 χ^2/NDF : 3.7/5

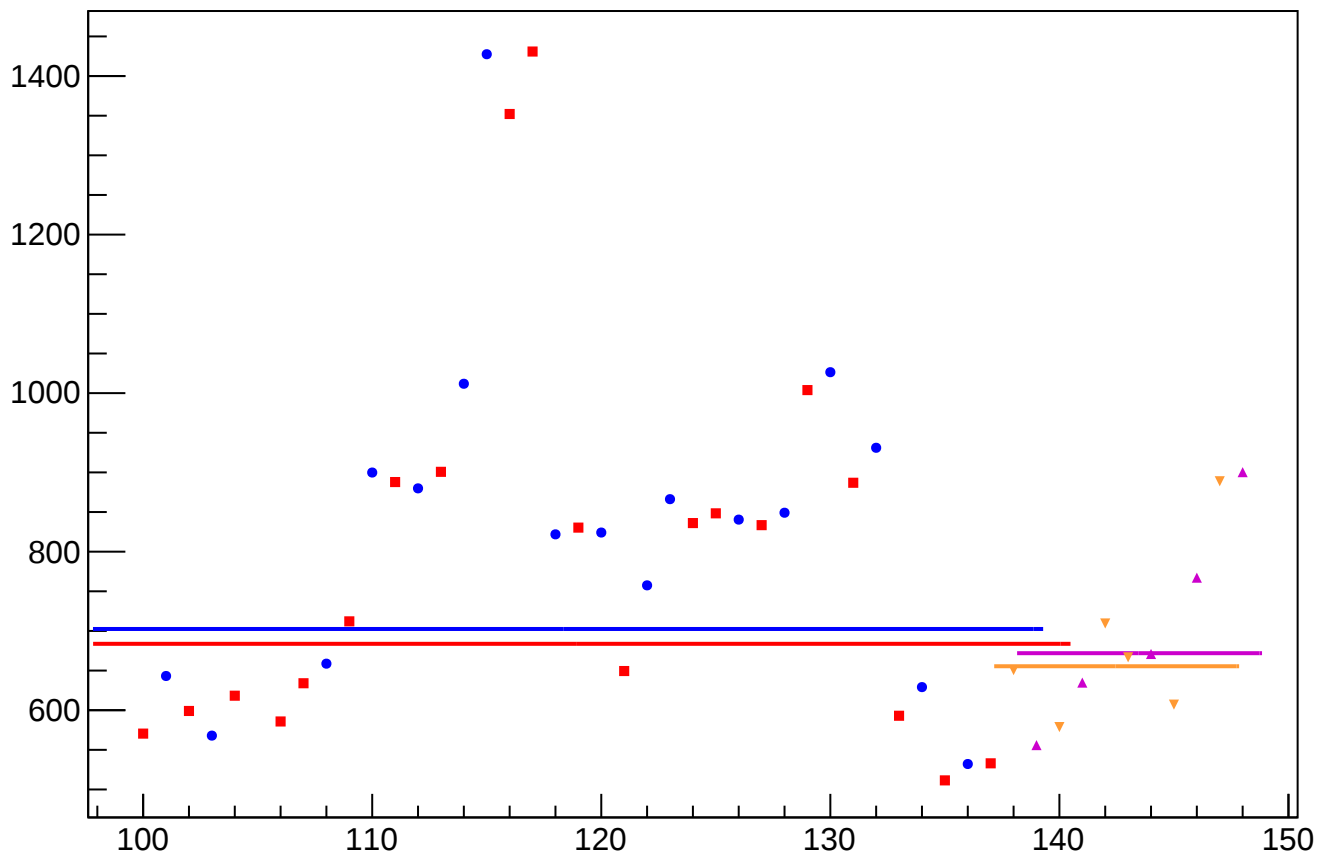
Right Out: -464.916 ± 262.768 χ^2/NDF : 22.5/19

Left In: -800.638 ± 340.751 χ^2/NDF : 2.9/4

-37.648 ± 211.708 χ^2/NDF : 20.2/22

-590.110 ± 208.084 χ^2/NDF : 26.0/24

asym_sam_15_dd_rms vs Slug



Right In: 702.469 ± 0.198 χ^2/NDF : 660525.4/16

Left Out: 655.448 ± 0.229 χ^2/NDF : 149186.6/5

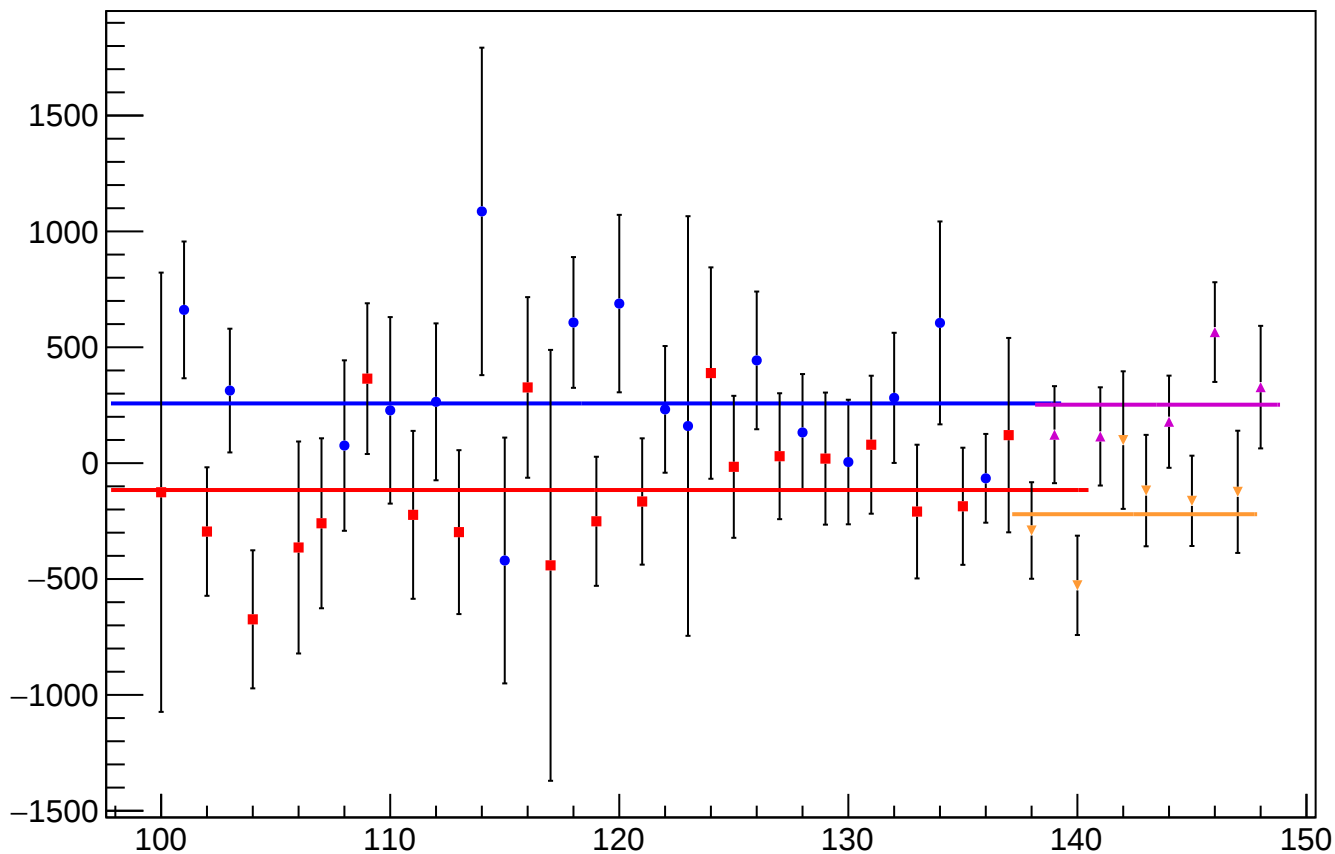
Right Out: 683.751 ± 0.186 χ^2/NDF : 683105.3/19

Left In: 671.928 ± 0.241 χ^2/NDF : 193759.0/4

682.447 ± 0.150 χ^2/NDF : 833833.4/22

679.342 ± 0.147 χ^2/NDF : 878374.3/24

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 χ^2/NDF : 13.0/16

Left Out: -220.307 ± 93.586 χ^2/NDF : 3.7/5

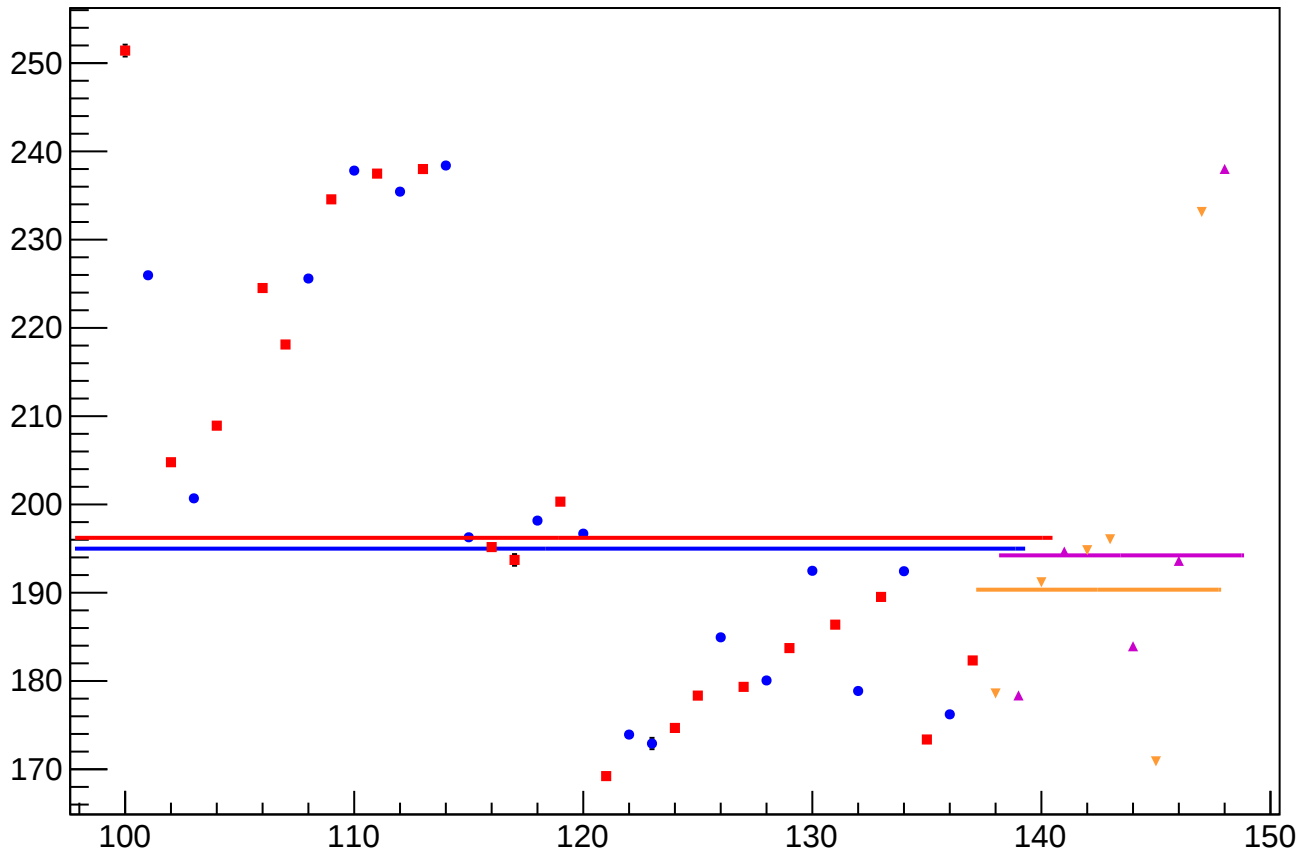
Right Out: -115.922 ± 73.976 χ^2/NDF : 11.4/19

Left In: 252.239 ± 97.005 χ^2/NDF : 3.1/4

67.959 ± 58.964 χ^2/NDF : 32.5/22

19.455 ± 58.823 χ^2/NDF : 23.6/24

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 ± 0.054 χ^2/NDF : 144271.1/16

Left Out: 190.345 ± 0.066 χ^2/NDF : 80561.5/5

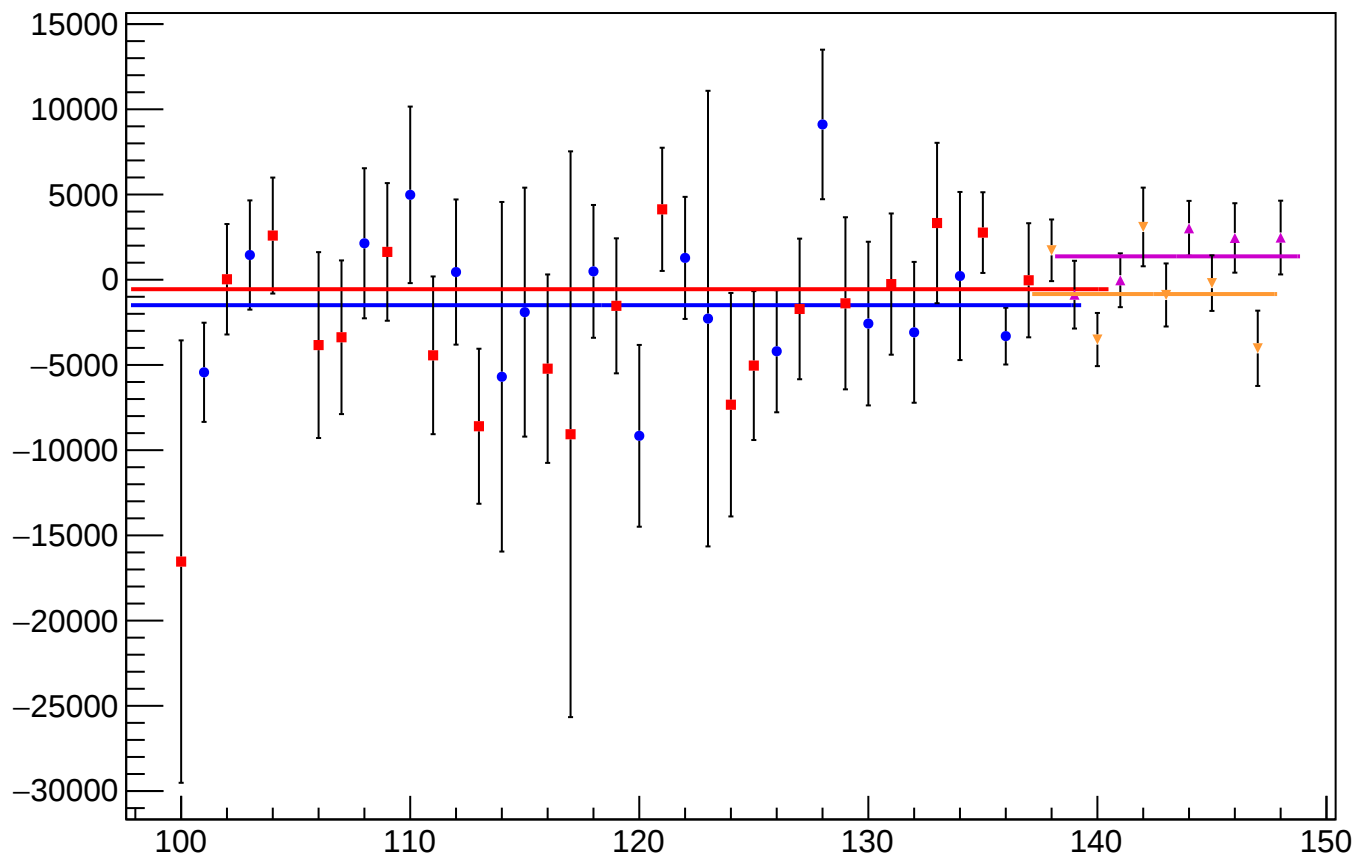
Right Out: 196.219 ± 0.052 χ^2/NDF : 173506.2/19

Left In: 194.232 ± 0.069 χ^2/NDF : 71700.8/4

193.149 ± 0.042 χ^2/NDF : 227809.6/22

195.488 ± 0.042 χ^2/NDF : 245737.8/24

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -839.987 ± 750.030 χ^2/NDF : 10.1/5

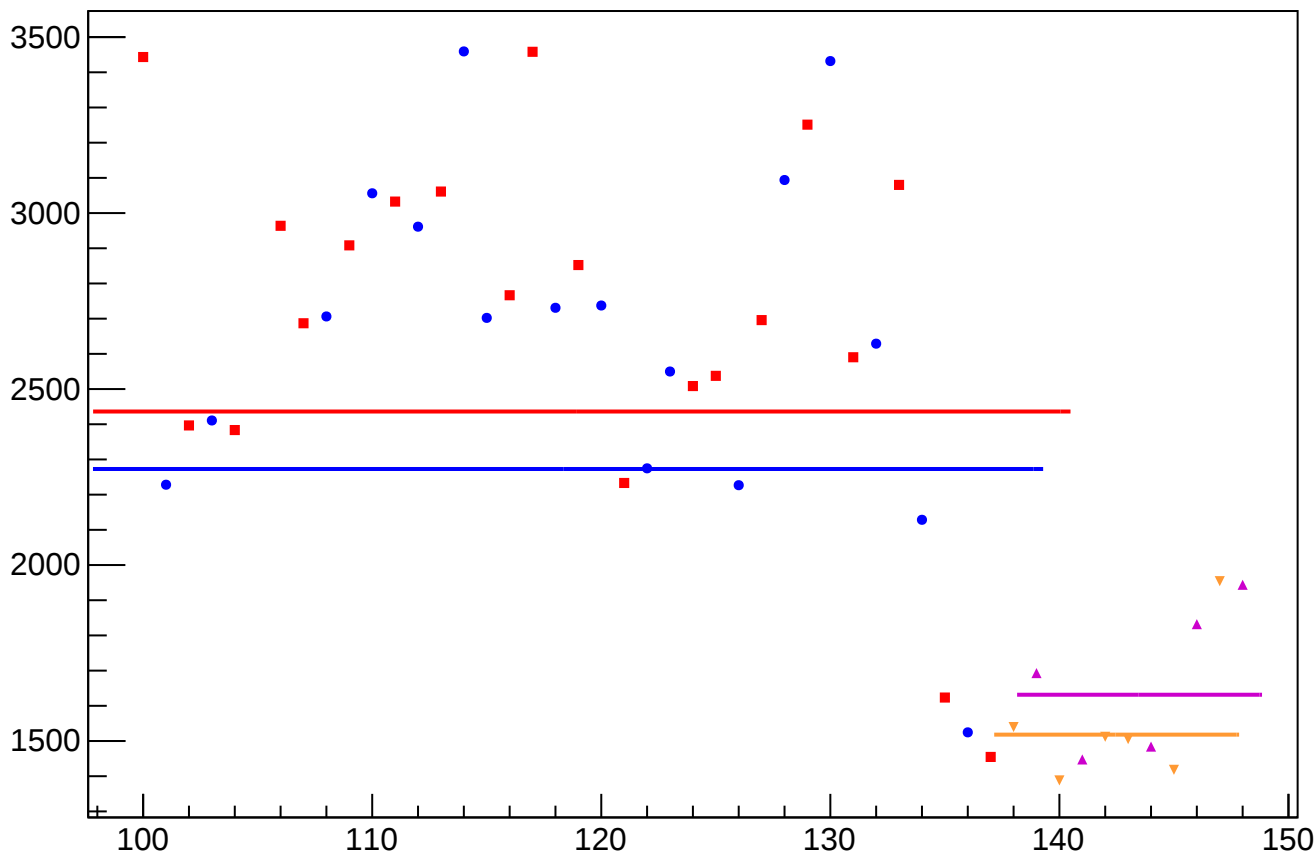
Right Out: -555.744 ± 933.239 χ^2/NDF : 14.9/19

Left In: 1371.985 ± 817.771 χ^2/NDF : 3.7/4

-1103.970 ± 578.992 χ^2/NDF : 26.5/22

534.691 ± 615.048 χ^2/NDF : 21.0/24

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1518.121+/-0.530 χ^2/NDF : 99708.9/5

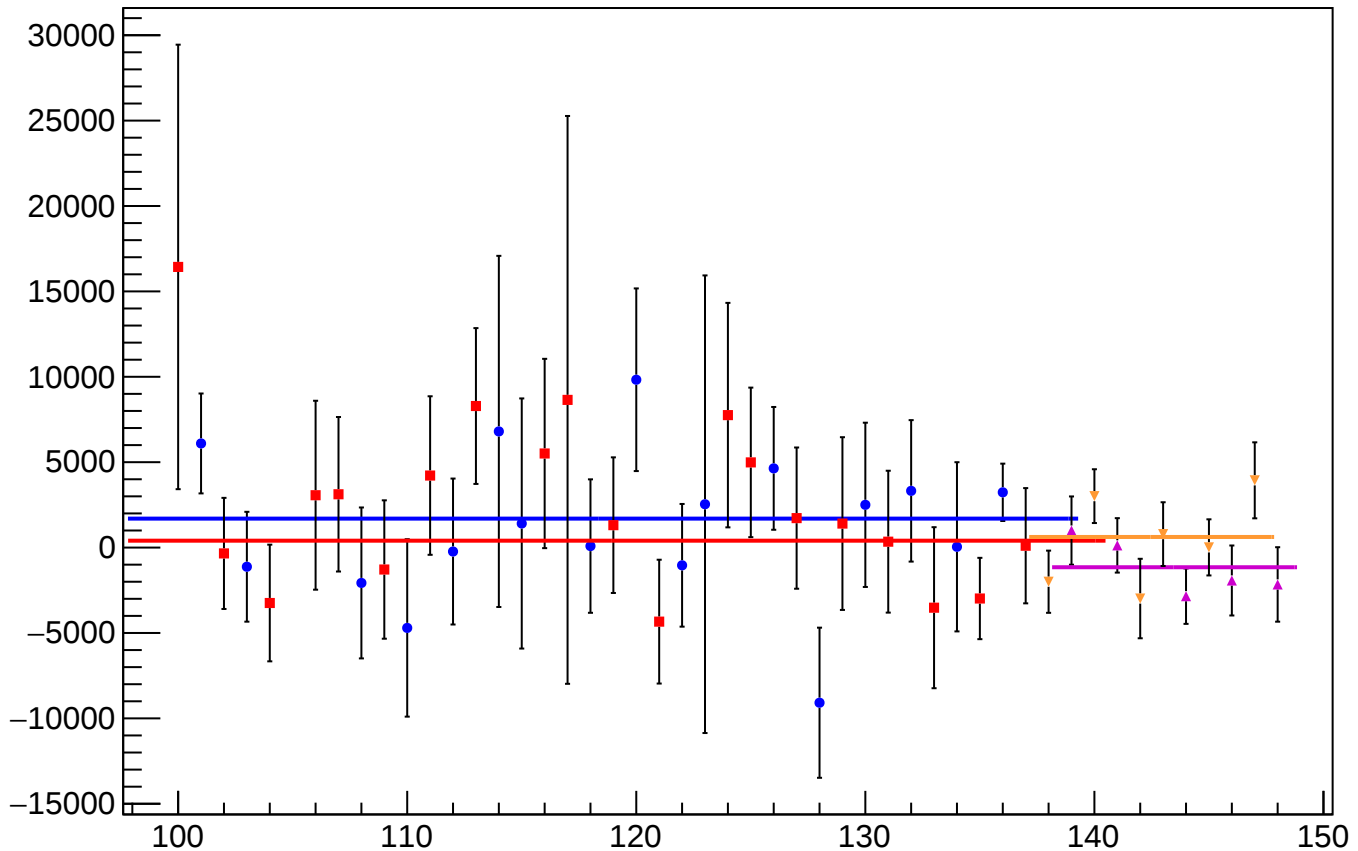
Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

Left In: 1631.477+/-0.578 χ^2/NDF : 106907.6/4

1823.106+/-0.409 χ^2/NDF : 1723748.2/22

1980.998+/-0.435 χ^2/NDF : 1636464.2/24

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 ± 914.855 χ^2/NDF : 16.6/16

Left Out: 621.218 ± 756.118 χ^2/NDF : 9.1/5

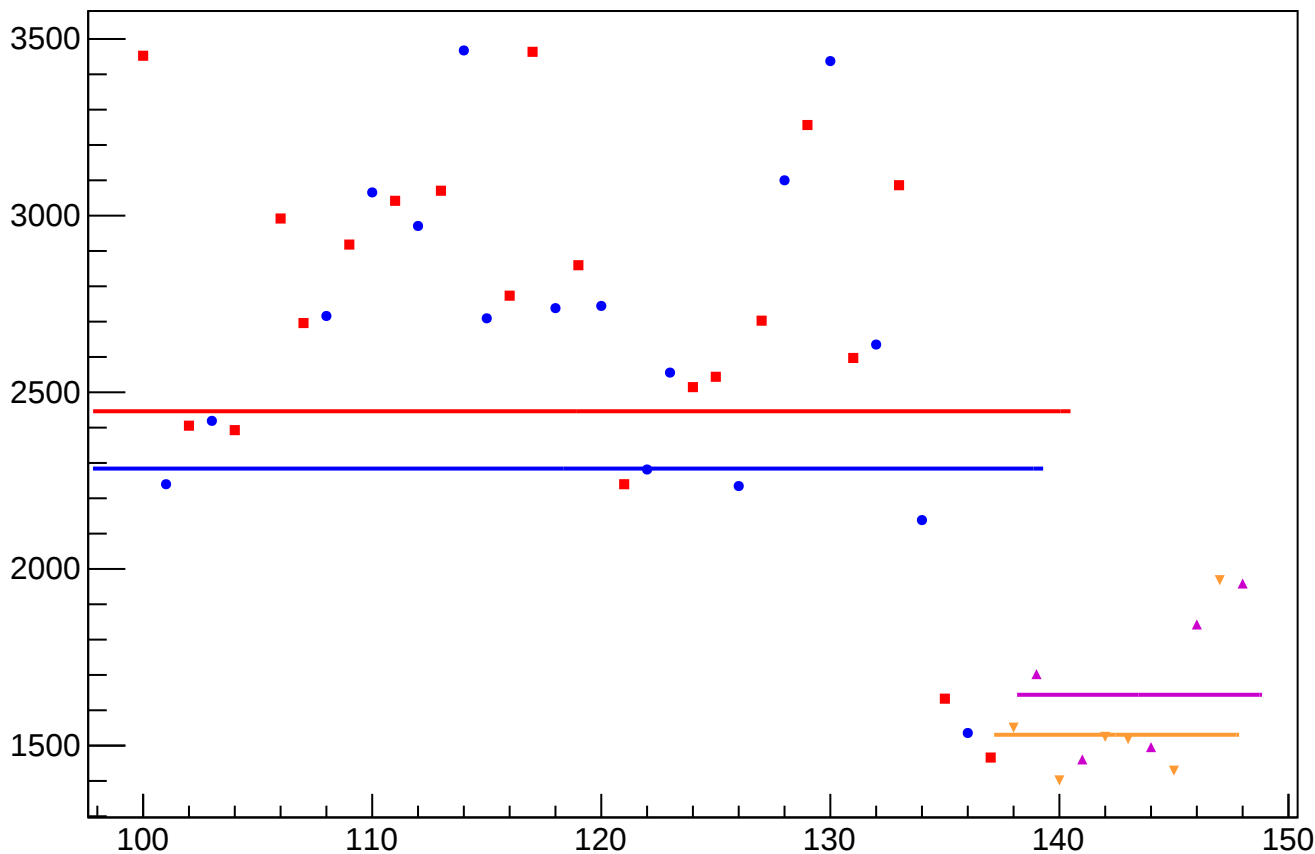
Right Out: 403.904 ± 937.036 χ^2/NDF : 15.2/19

Left In: -1151.229 ± 823.848 χ^2/NDF : 3.2/4

1057.403 ± 582.823 χ^2/NDF : 26.6/22

-473.213 ± 618.717 χ^2/NDF : 20.0/24

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1530.694+/-0.535 χ^2/NDF : 98765.0/5

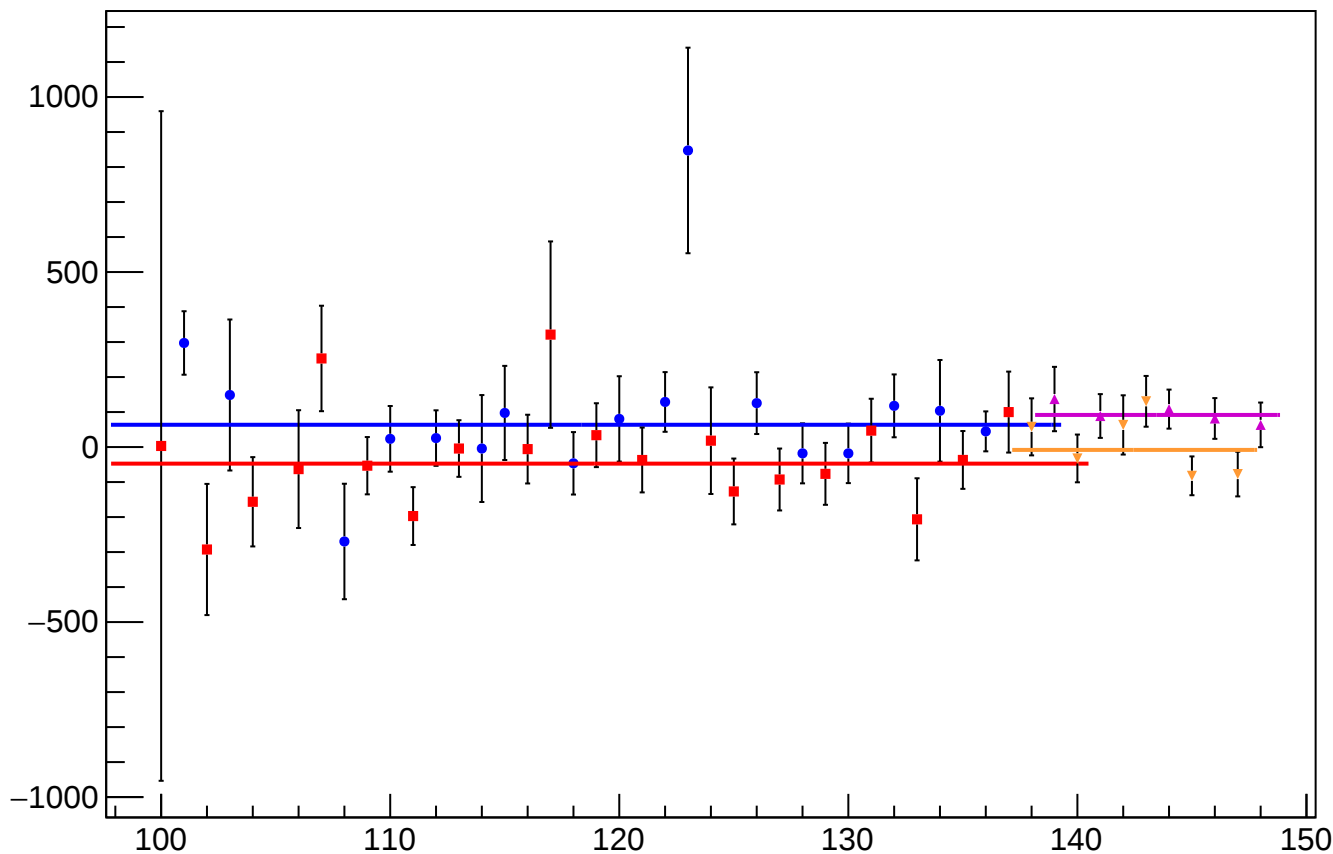
Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

Left In: 1643.861+/-0.583 χ^2/NDF : 105393.3/4

1836.467+/-0.412 χ^2/NDF : 1698659.0/22

1993.742+/-0.437 χ^2/NDF : 1613184.1/24

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -8.157 ± 28.101 χ^2/NDF : 8.1/5

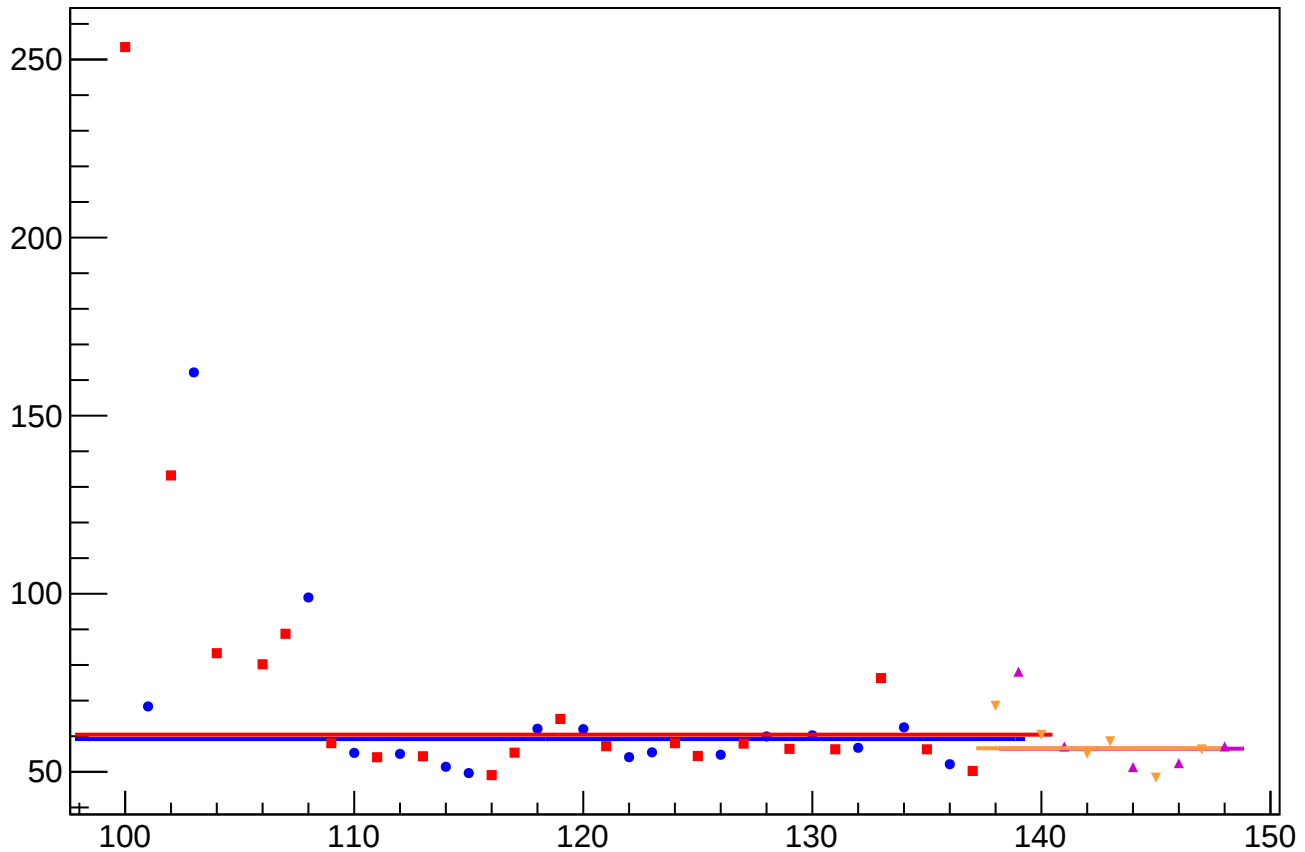
Right Out: -47.367 ± 23.568 χ^2/NDF : 18.7/19

Left In: 91.750 ± 28.436 χ^2/NDF : 0.6/4

33.750 ± 18.136 χ^2/NDF : 35.6/22

9.283 ± 18.146 χ^2/NDF : 33.5/24

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 56.618+/-0.020 χ^2/NDF : 95499.9/5

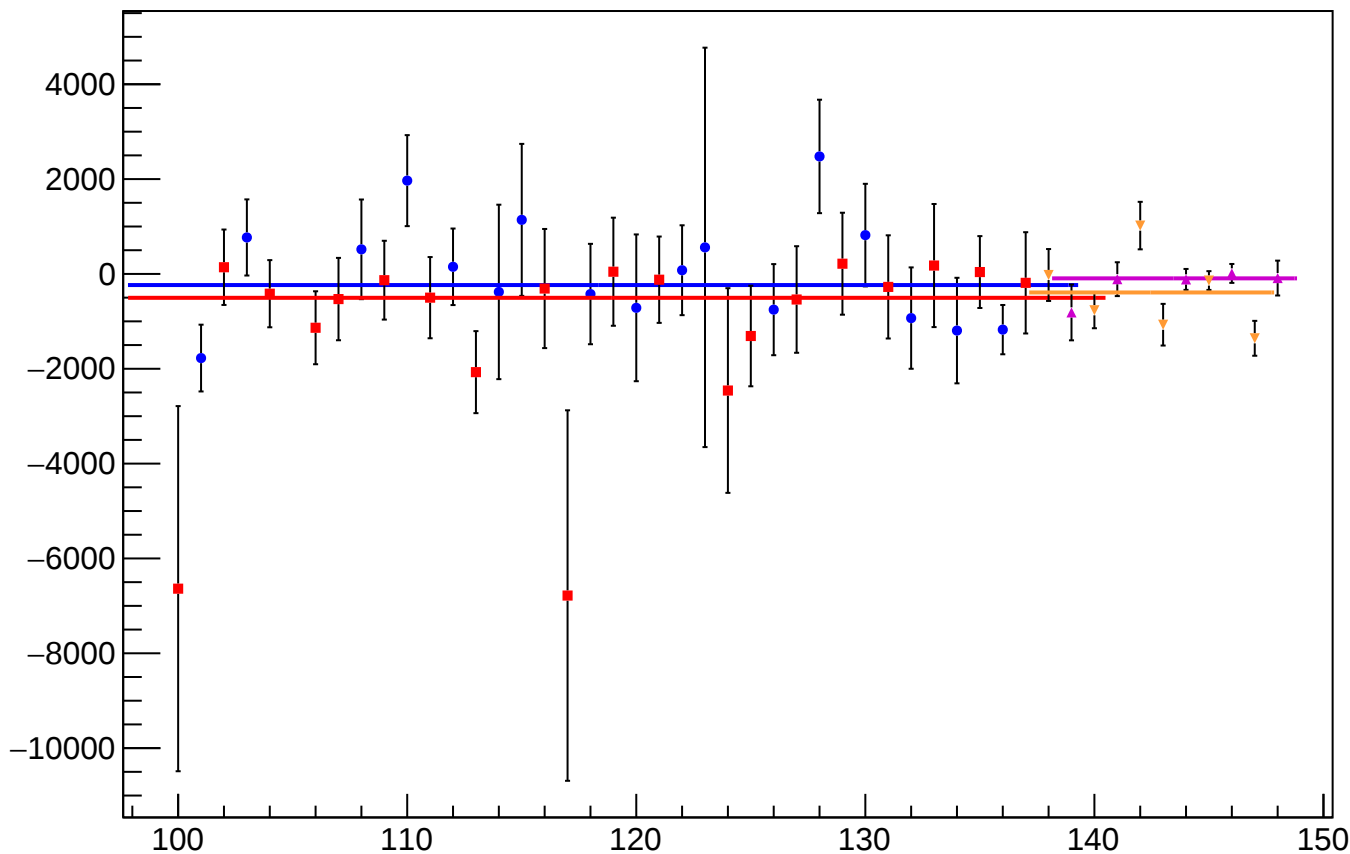
Right Out: 60.443+/-0.017 χ^2/NDF : 680790.3/19

Left In: 56.507+/-0.020 χ^2/NDF : 137899.5/4

58.125+/-0.013 χ^2/NDF : 770830.2/22

58.840+/-0.013 χ^2/NDF : 841404.3/24

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492+/-233.880 χ^2/NDF : 24.2/16

Left Out: -390.922+/-138.177 χ^2/NDF : 20.3/5

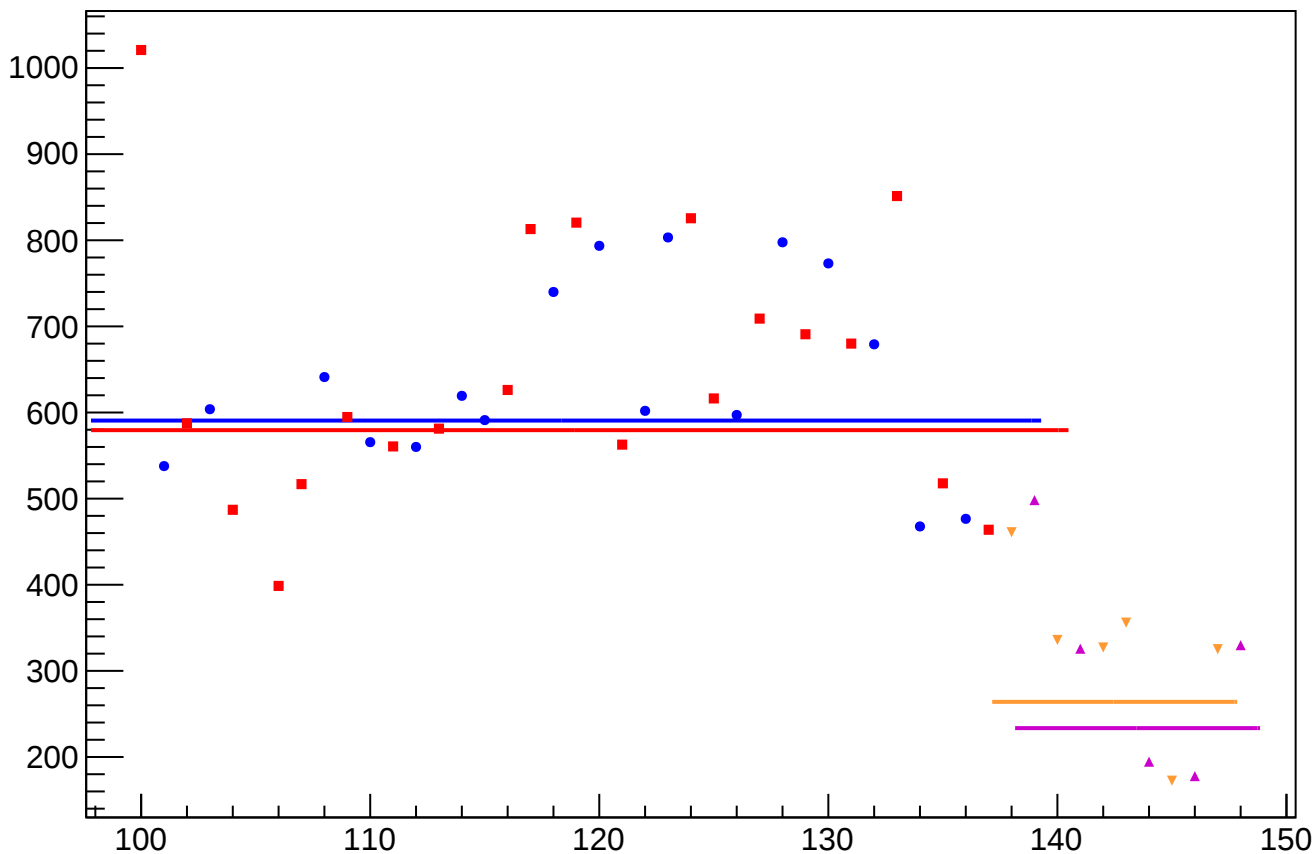
Right Out: -503.638+/-221.955 χ^2/NDF : 13.2/19

Left In: -93.457+/-125.193 χ^2/NDF : 1.8/4

-350.447+/-118.966 χ^2/NDF : 44.8/22

-192.459+/-109.043 χ^2/NDF : 17.5/24

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 264.036+/-0.098 χ^2/NDF : 933237.9/5

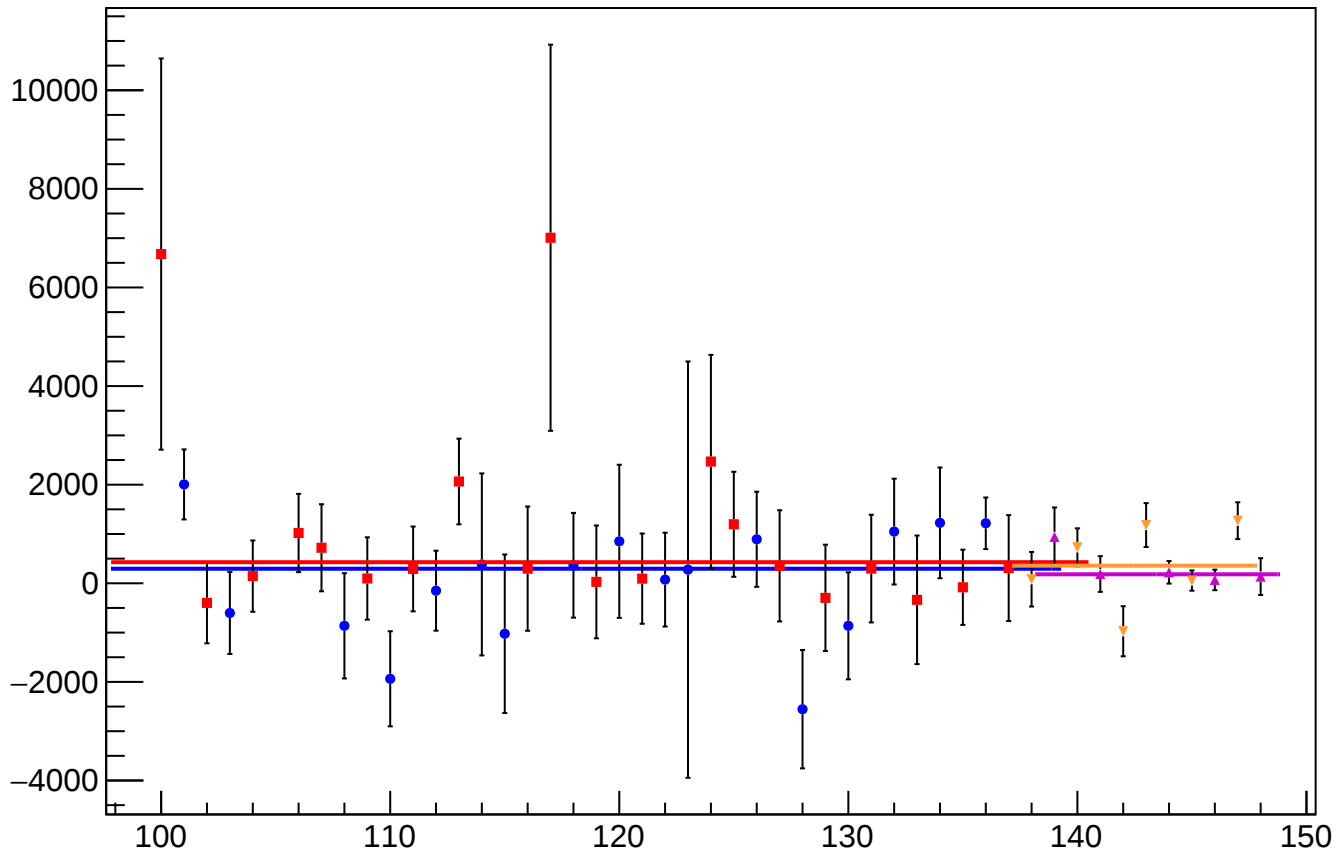
Right Out: 579.509+/-0.157 χ^2/NDF : 501132.1/19

Left In: 233.521+/-0.089 χ^2/NDF : 893935.2/4

348.546+/-0.084 χ^2/NDF : 4176731.1/22

317.029+/-0.077 χ^2/NDF : 5081942.2/24

asym_sam_37_dd_mean vs Slug



Right In: 295.401 ± 235.860 χ^2/NDF : 26.1/16

Left Out: 357.459 ± 141.823 χ^2/NDF : 19.6/5

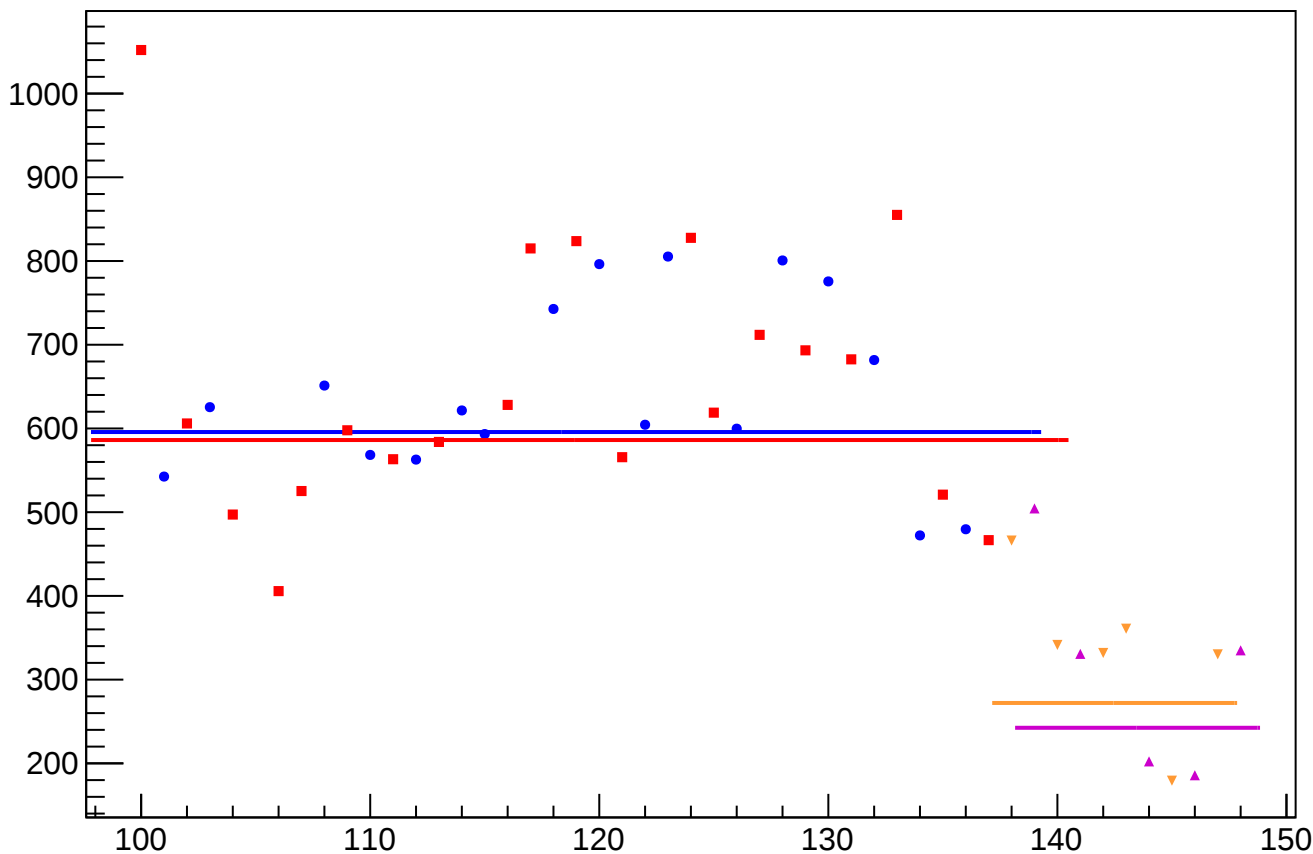
Right Out: 427.853 ± 224.485 χ^2/NDF : 13.8/19

Left In: 182.544 ± 129.351 χ^2/NDF : 2.0/4

340.980 ± 121.543 χ^2/NDF : 45.7/22

243.690 ± 112.077 χ^2/NDF : 16.7/24

asym_sam_37_dd_rms vs Slug



Right In: 595.734 ± 0.167 χ^2/NDF : 350058.2/16

Left Out: 272.132 ± 0.100 χ^2/NDF : 872973.3/5

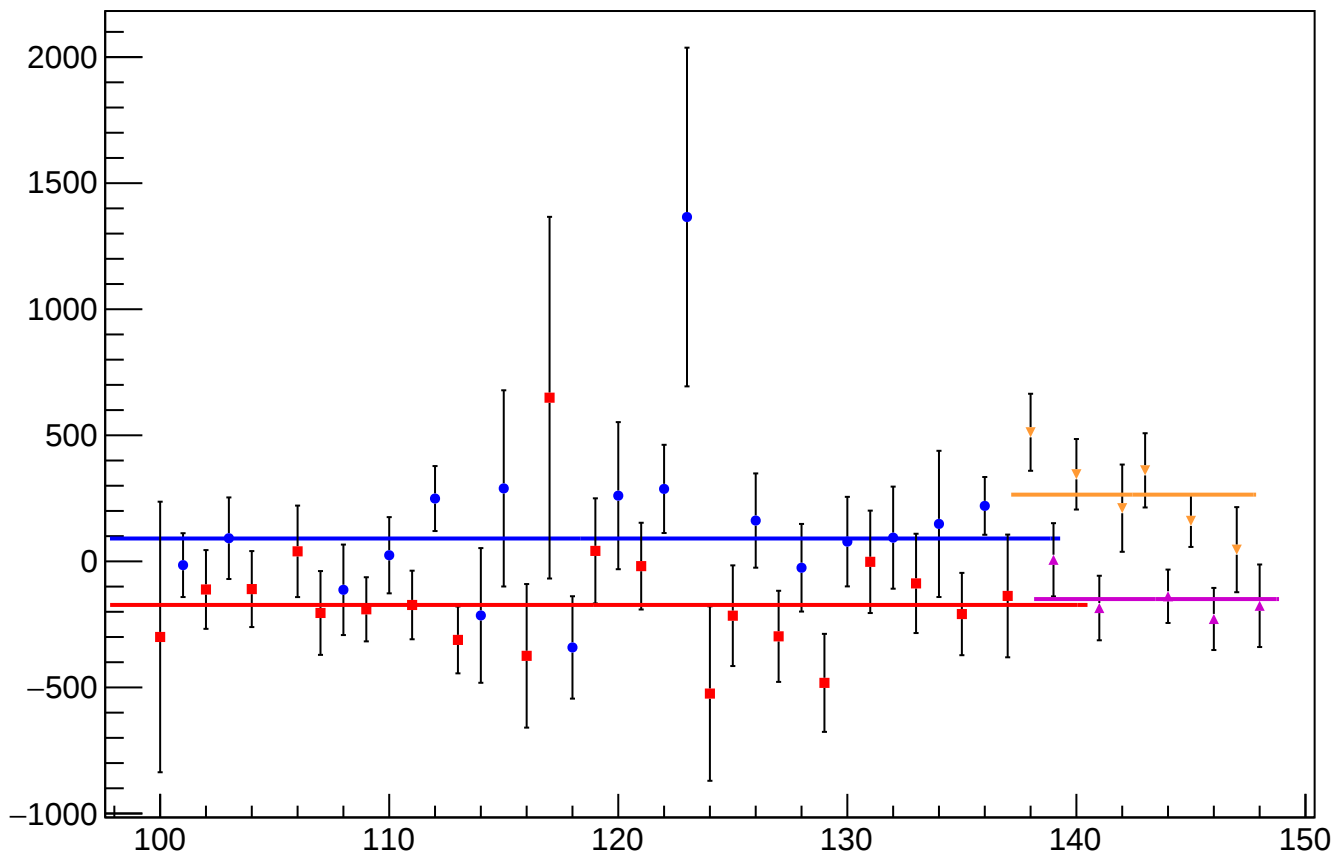
Right Out: 586.176 ± 0.159 χ^2/NDF : 481325.4/19

Left In: 242.483 ± 0.091 χ^2/NDF : 838000.7/4

358.065 ± 0.086 χ^2/NDF : 3988079.5/22

328.153 ± 0.079 χ^2/NDF : 4838847.5/24

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 264.659 ± 57.539 $\chi^2/\text{NDF}: 6.2/5$

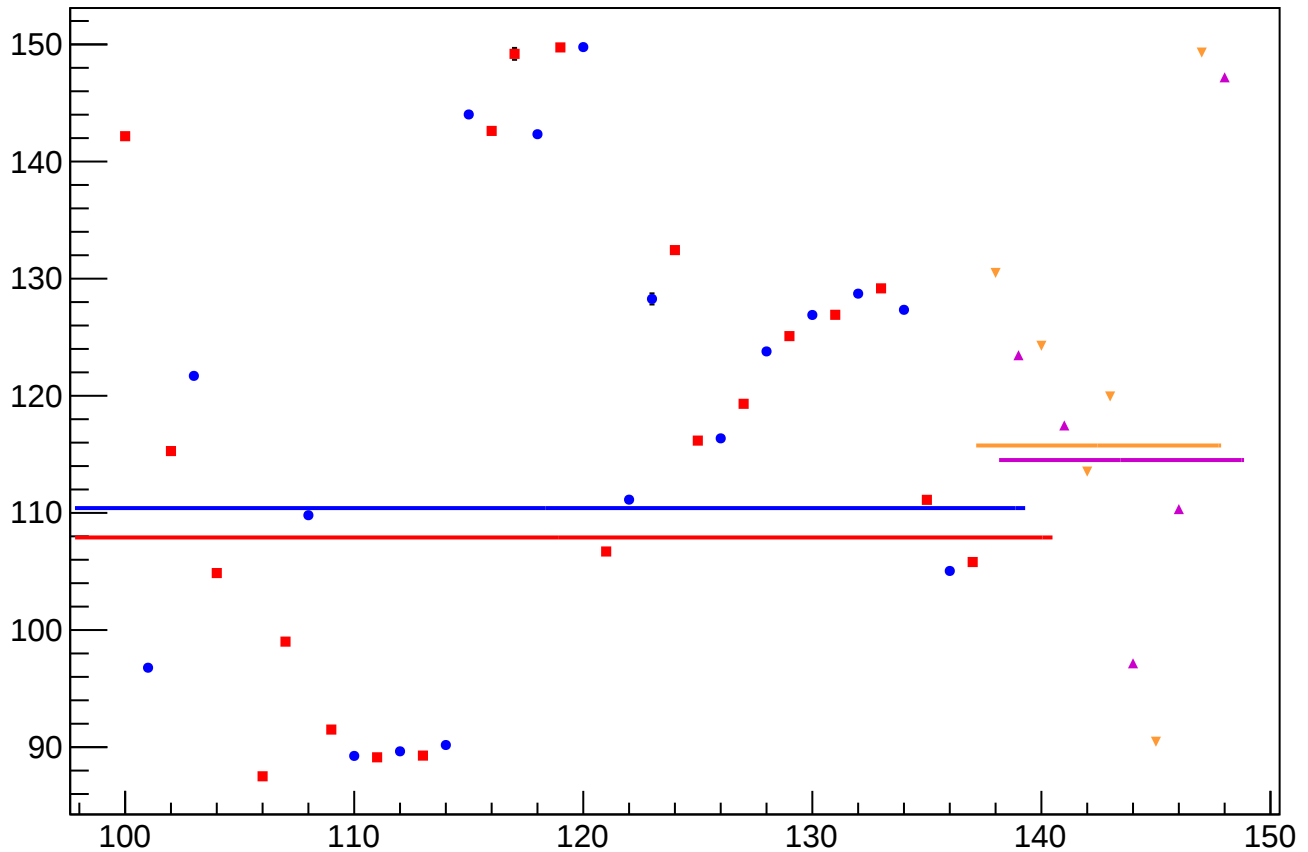
Right Out: -172.786 ± 41.033 $\chi^2/\text{NDF}: 11.6/19$

Left In: -149.501 ± 57.643 $\chi^2/\text{NDF}: 1.7/4$

153.626 ± 34.604 $\chi^2/\text{NDF}: 28.9/22$

-164.955 ± 33.429 $\chi^2/\text{NDF}: 13.4/24$

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 ± 0.031 χ^2/NDF : 296425.4/16

Left Out: 115.756 ± 0.041 χ^2/NDF : 226541.9/5

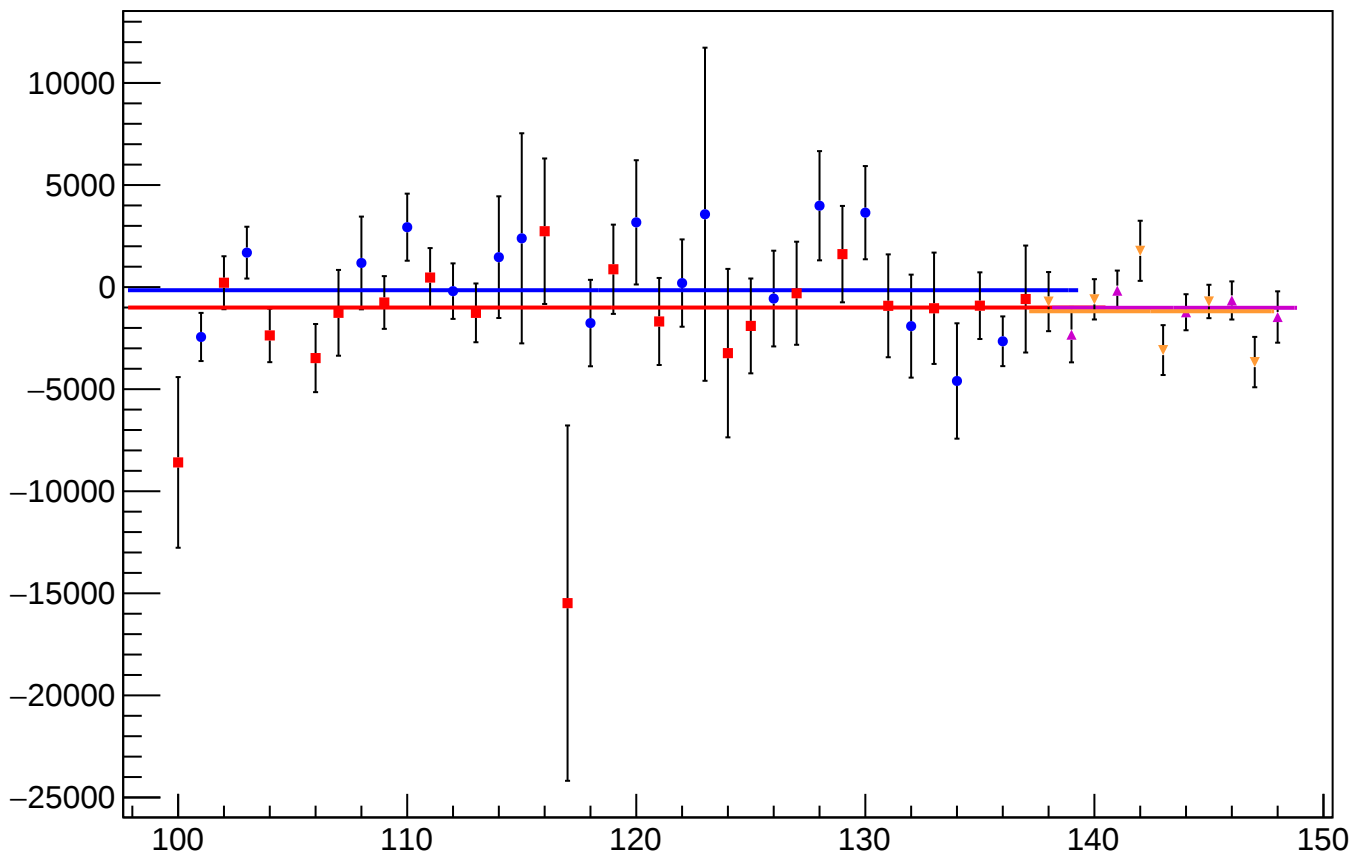
Right Out: 107.903 ± 0.029 χ^2/NDF : 351091.4/19

Left In: 114.514 ± 0.041 χ^2/NDF : 144433.2/4

112.344 ± 0.024 χ^2/NDF : 533983.0/22

110.127 ± 0.024 χ^2/NDF : 512981.1/24

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403+/-464.753 χ^2/NDF : 24.7/16

Left Out: -1183.311+/-457.080 χ^2/NDF : 11.3/5

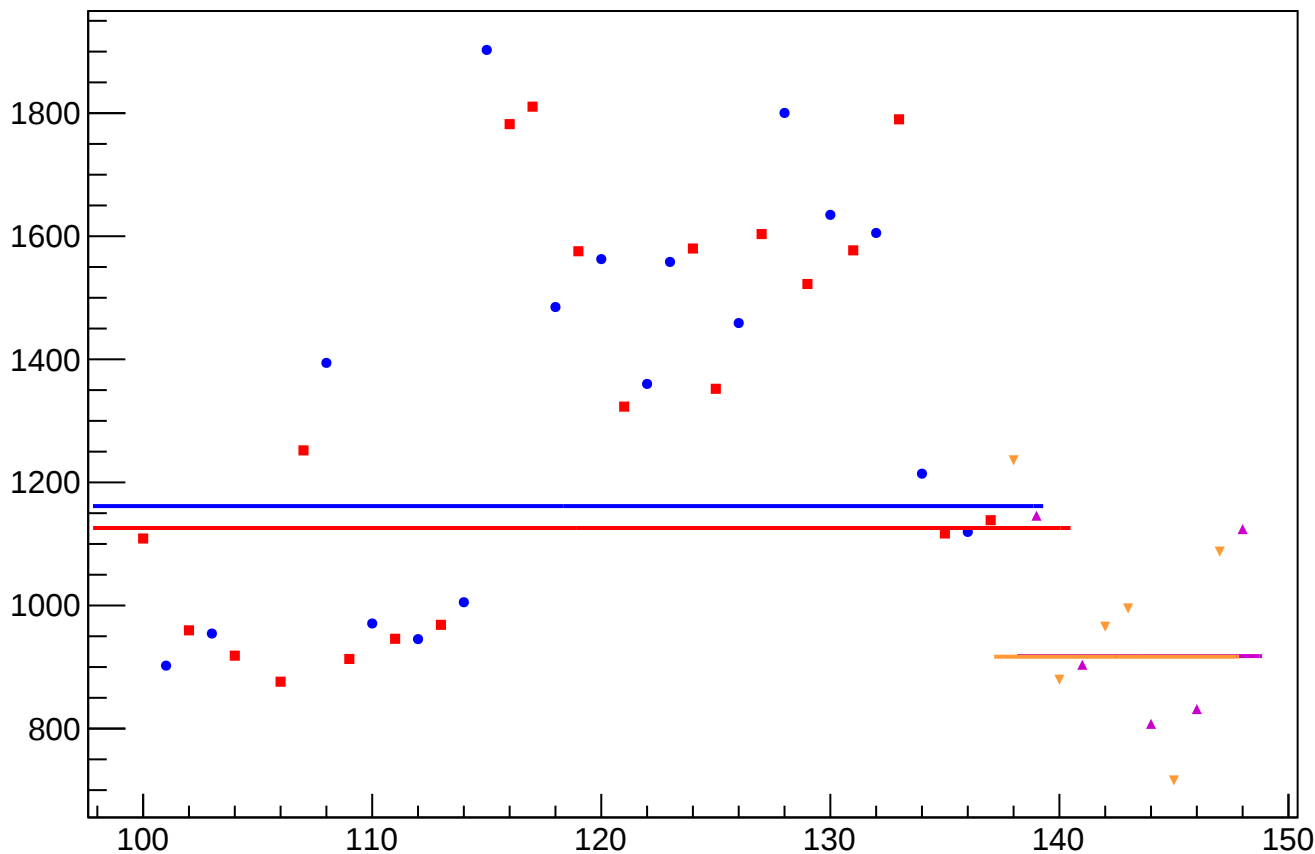
Right Out: -1000.907+/-434.569 χ^2/NDF : 15.1/19

Left In: -1013.999+/-464.449 χ^2/NDF : 2.0/4

-676.437+/-325.883 χ^2/NDF : 38.5/22

-1007.019+/-317.324 χ^2/NDF : 17.1/24

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530 ± 0.329 χ^2/NDF : 695906.9/16

Left Out: 916.848 ± 0.323 χ^2/NDF : 269561.1/5

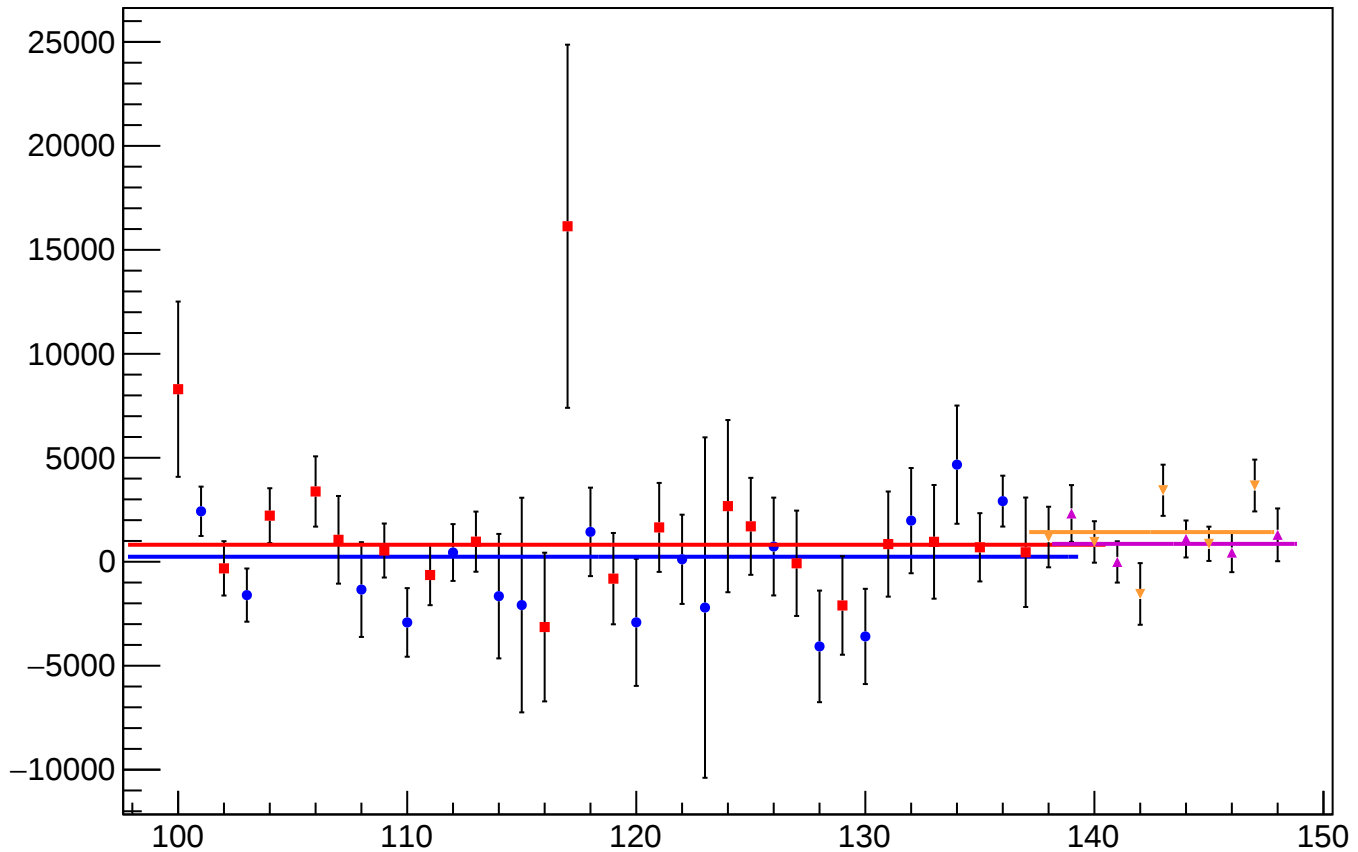
Right Out: 1125.946 ± 0.307 χ^2/NDF : 780195.3/19

Left In: 917.806 ± 0.328 χ^2/NDF : 158838.7/4

1037.153 ± 0.230 χ^2/NDF : 1247261.0/22

1028.786 ± 0.224 χ^2/NDF : 1153201.9/24

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1426.623 $\pm$ 460.850 χ^2 /NDF:10.7/5

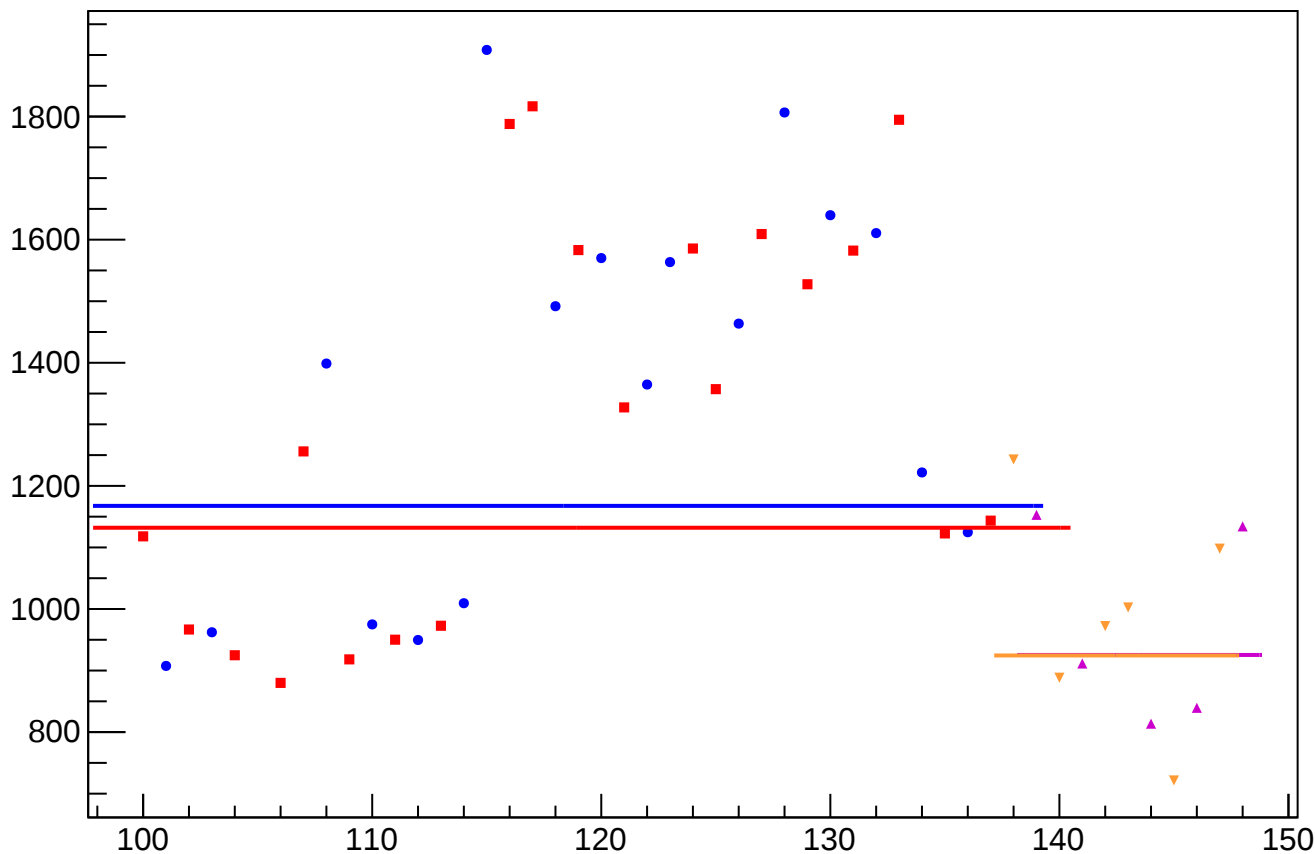
Right Out: 817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

Left In: 860.217 $\pm$ 468.191 χ^2 /NDF:2.3/4

841.583 $\pm$ 328.035 χ^2 /NDF: 38.7/22

837.457 $\pm$ 319.440 χ^2 /NDF: 17.7/24

asym_sam_48_dd_rms vs Slug



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 924.505+/-0.326 χ^2/NDF : 268437.3/5

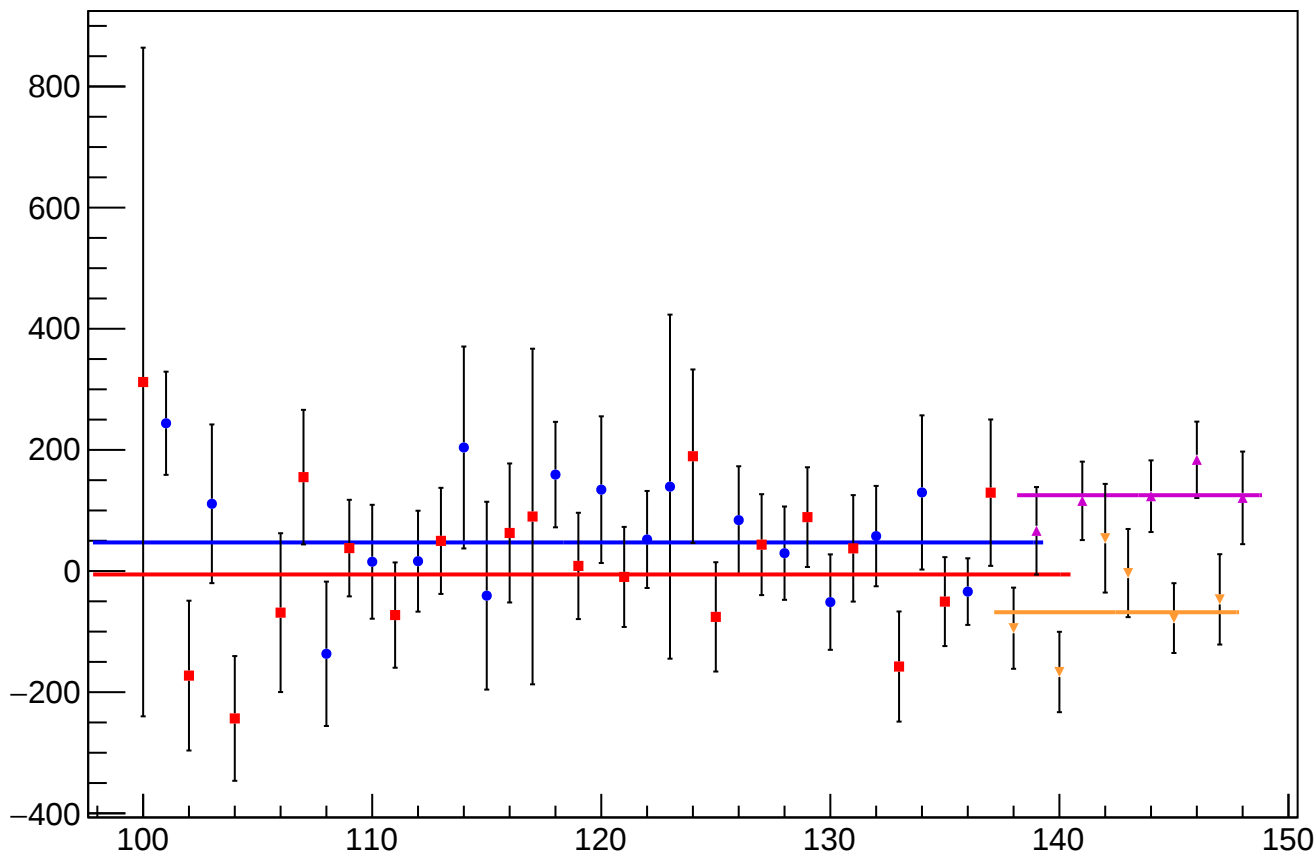
Right Out: 1132.019+/-0.309 χ^2/NDF : 773827.8/19

Left In: 925.336+/-0.331 χ^2/NDF : 158340.7/4

1044.402+/-0.232 χ^2/NDF : 1233322.2/22

1035.805+/-0.226 χ^2/NDF : 1140488.5/24

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -68.008 $\pm$ 28.355 χ^2 /NDF: 5.1/5

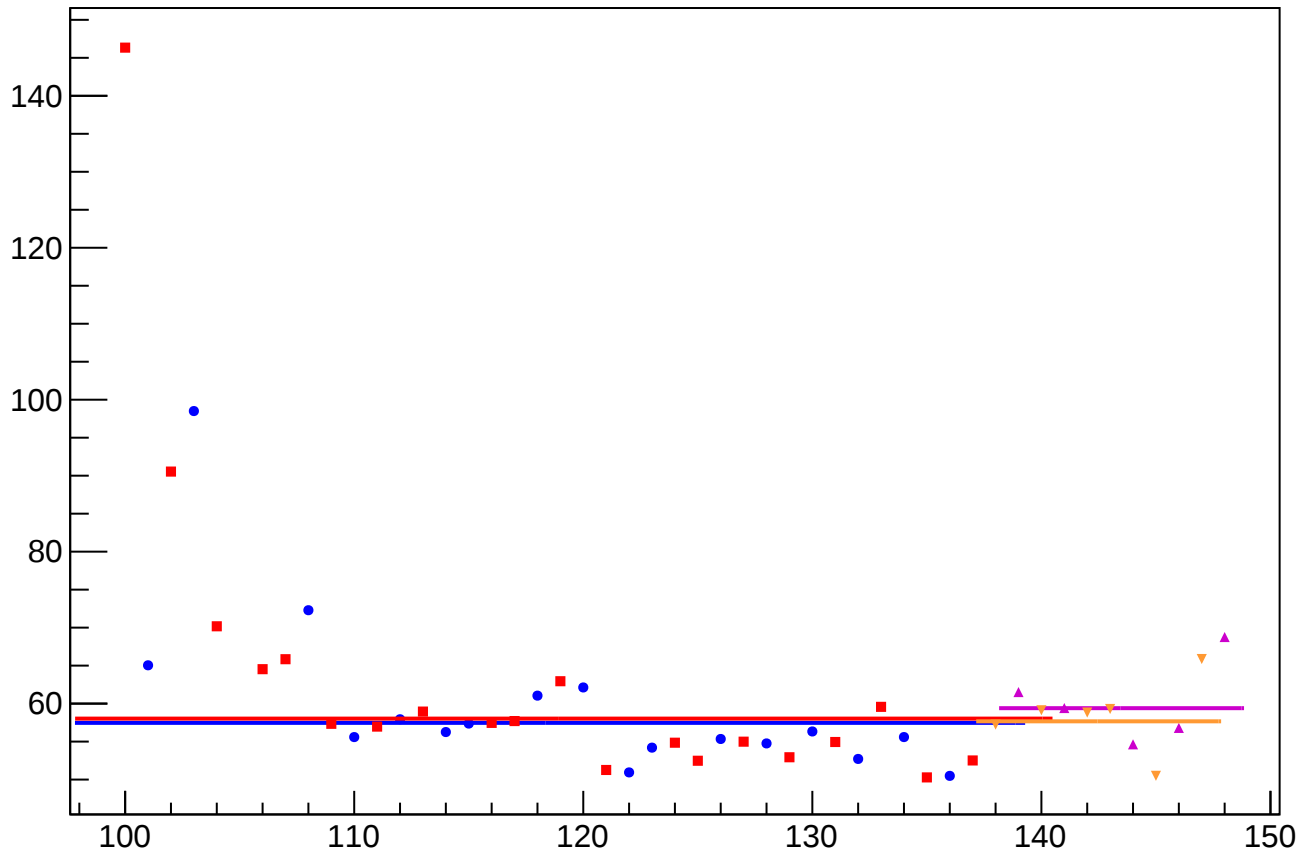
Right Out: -5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

Left In: 125.189 $\pm$ 29.634 χ^2 /NDF: 1.5/4

2.542 $\pm$ 17.656 χ^2 /NDF: 31.3/22

41.004 $\pm$ 17.694 χ^2 /NDF: 34.5/24

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 ± 0.016 χ^2/NDF : 307156.4/16

Left Out: 57.666 ± 0.020 χ^2/NDF : 57521.9/5

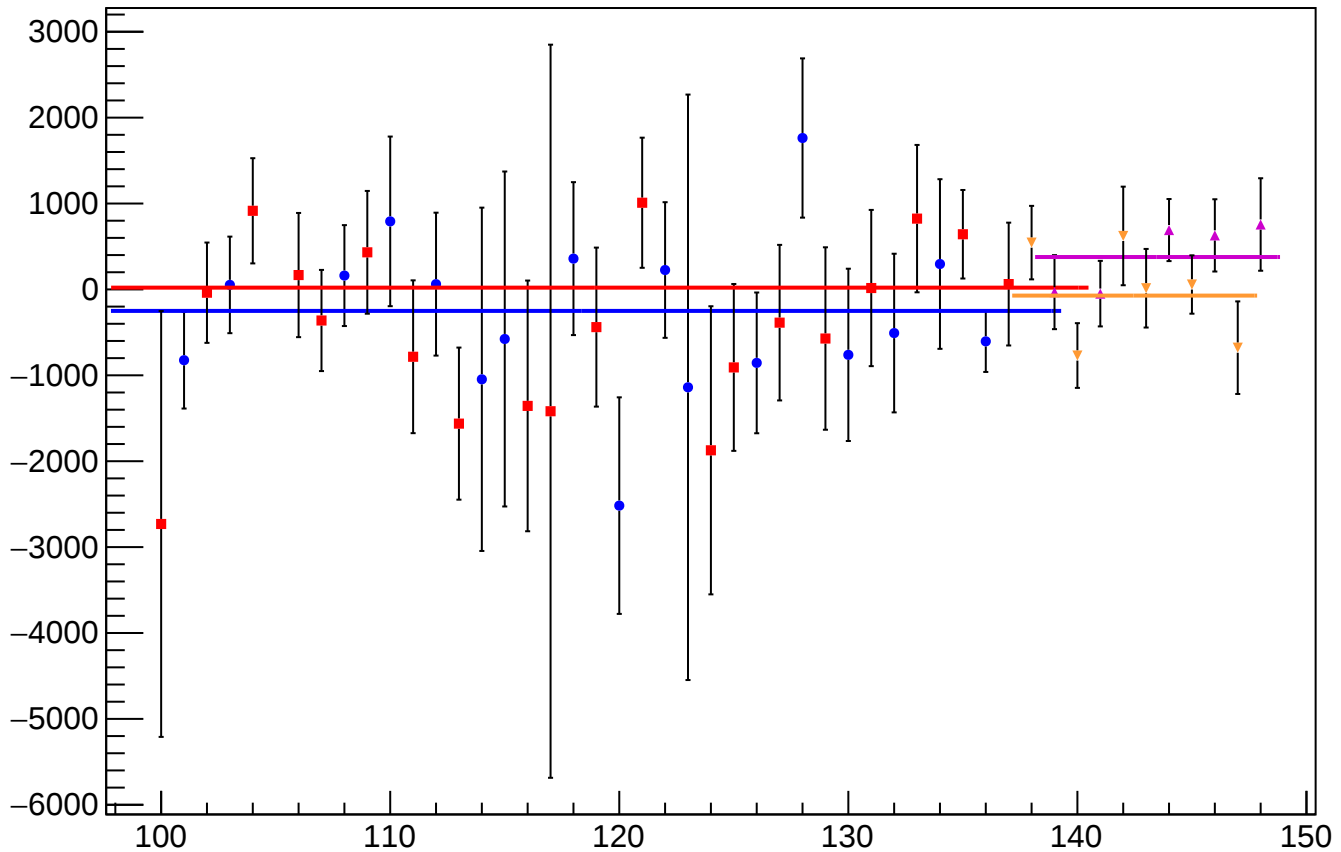
Right Out: 58.025 ± 0.016 χ^2/NDF : 300790.9/19

Left In: 59.398 ± 0.021 χ^2/NDF : 48076.6/4

57.543 ± 0.012 χ^2/NDF : 364739.8/22

58.514 ± 0.013 χ^2/NDF : 351629.7/24

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 ± 184.092 $\chi^2/\text{NDF}: 14.3/16$

Left Out: -71.821 ± 175.615 $\chi^2/\text{NDF}: 8.4/5$

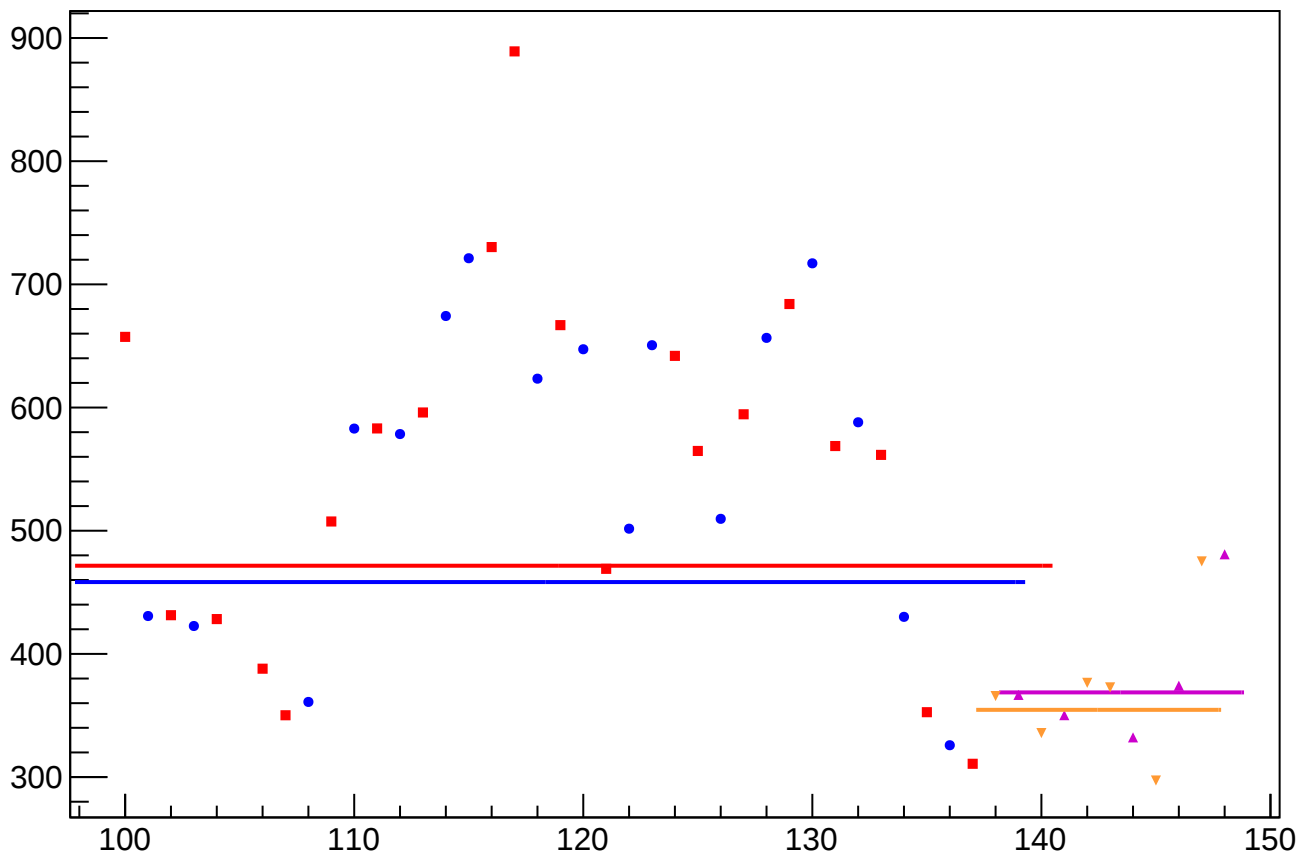
Right Out: 20.701 ± 181.669 $\chi^2/\text{NDF}: 16.2/19$

Left In: 377.259 ± 185.631 $\chi^2/\text{NDF}: 3.8/4$

-156.780 ± 127.069 $\chi^2/\text{NDF}: 23.2/22$

195.135 ± 129.838 $\chi^2/\text{NDF}: 21.8/24$

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 $\pm$ 0.130 χ^2/NDF : 877201.7/16

Left Out: 354.593 $\pm$ 0.124 χ^2/NDF : 169475.3/5

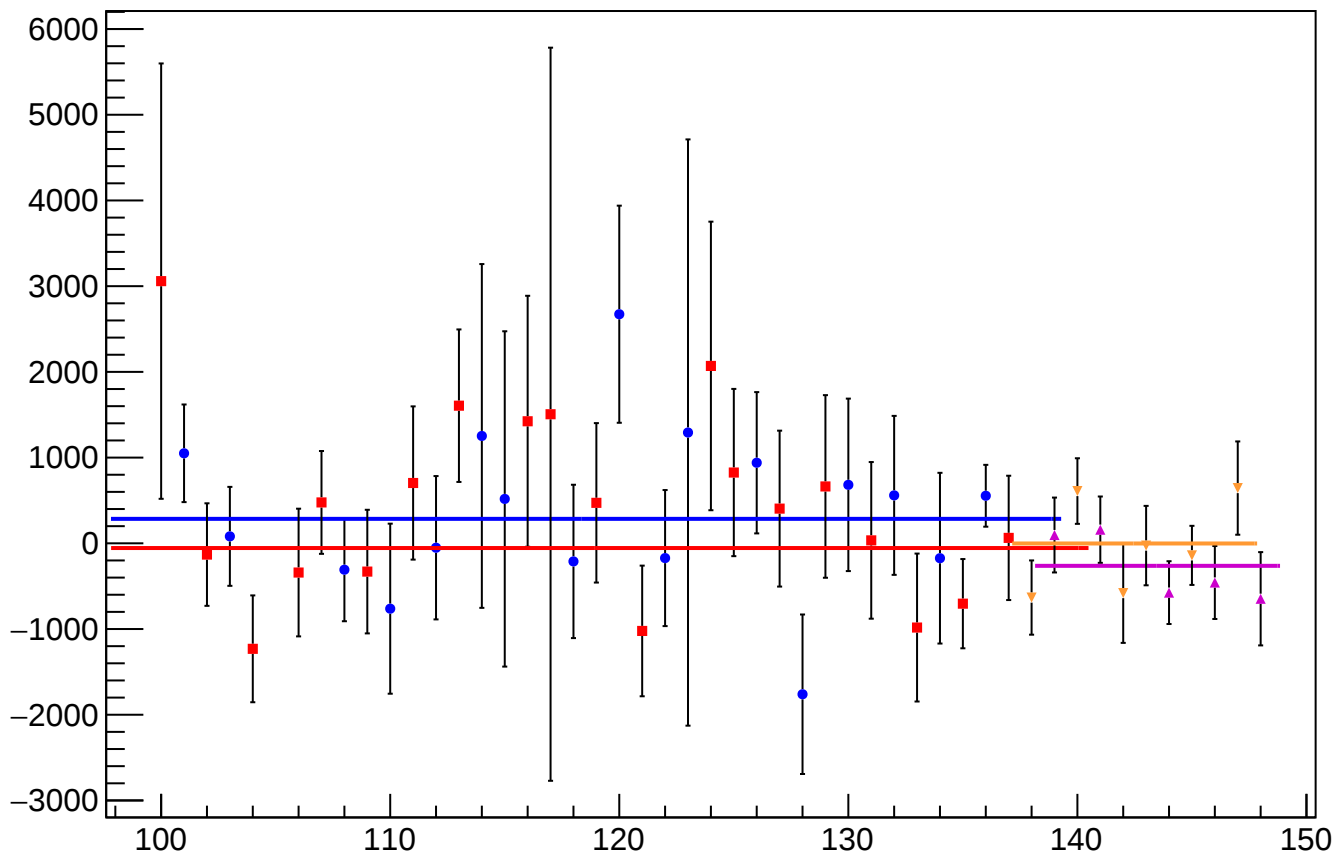
Right Out: 471.585 $\pm$ 0.128 χ^2/NDF : 797816.0/19

Left In: 368.743 $\pm$ 0.131 χ^2/NDF : 112211.0/4

404.015 $\pm$ 0.090 χ^2/NDF : 1379140.5/22

421.273 $\pm$ 0.092 χ^2/NDF : 1223577.2/24

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 χ^2/NDF : 15.2/16

Left Out: -1.999 ± 177.966 χ^2/NDF : 7.2/5

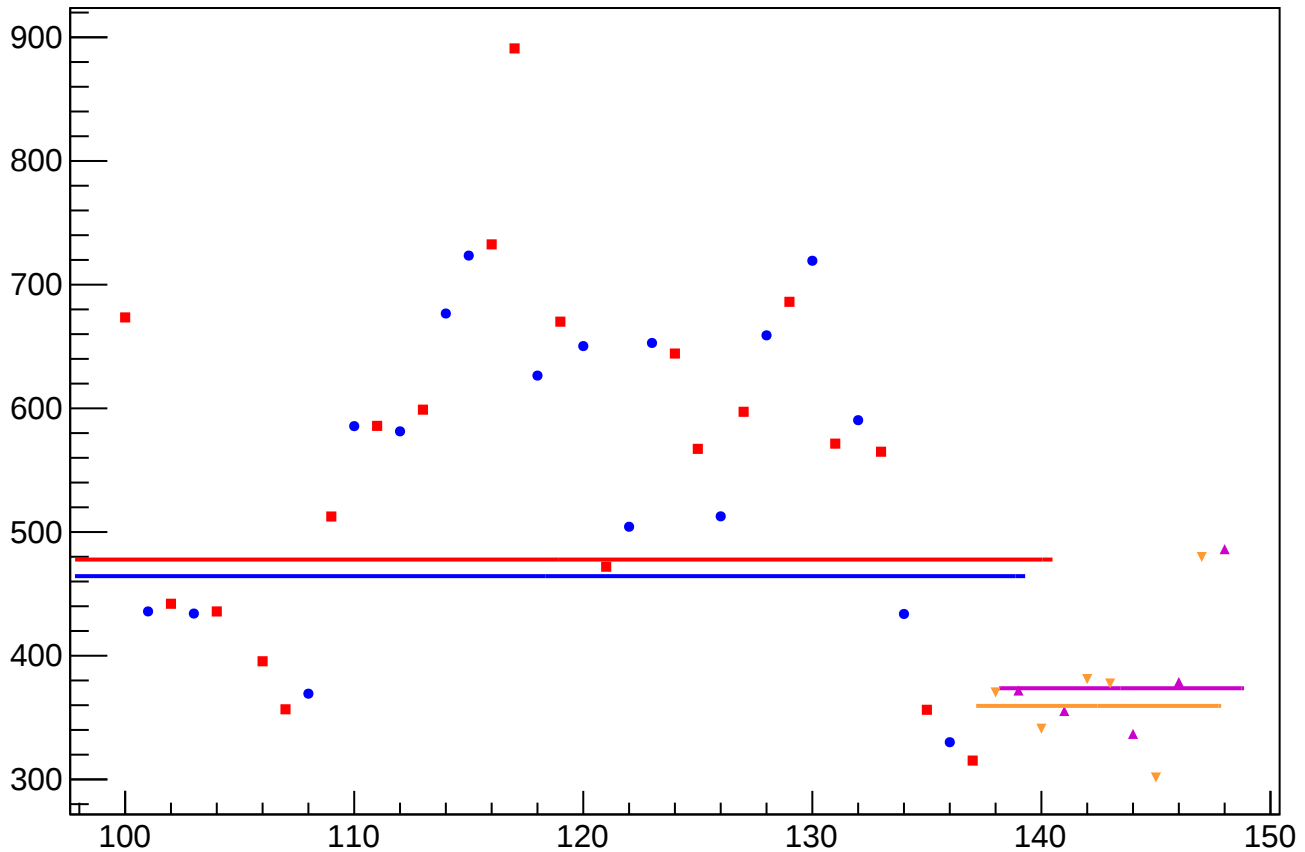
Right Out: -55.109 ± 183.903 χ^2/NDF : 19.3/19

Left In: -262.760 ± 188.080 χ^2/NDF : 3.3/4

135.133 ± 128.674 χ^2/NDF : 23.7/22

-156.604 ± 131.491 χ^2/NDF : 23.2/24

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 ± 0.132 χ^2/NDF : 845900.9/16

Left Out: 359.435 ± 0.126 χ^2/NDF : 165999.7/5

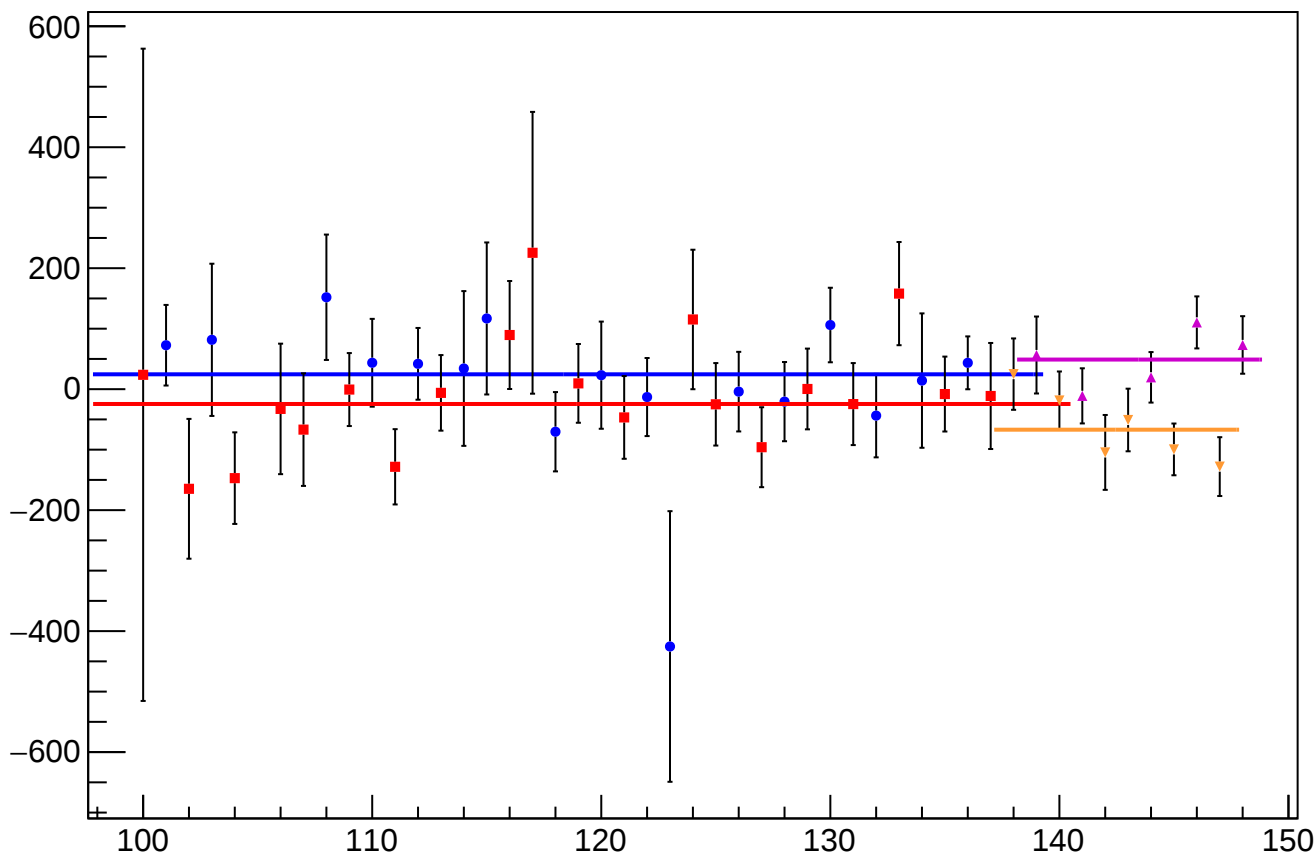
Right Out: 477.754 ± 0.130 χ^2/NDF : 768041.0/19

Left In: 373.712 ± 0.133 χ^2/NDF : 110521.1/4

409.499 ± 0.091 χ^2/NDF : 1343559.8/22

426.901 ± 0.093 χ^2/NDF : 1191441.7/24

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -66.980 $\pm$ 20.733 χ^2 /NDF: 6.1/5

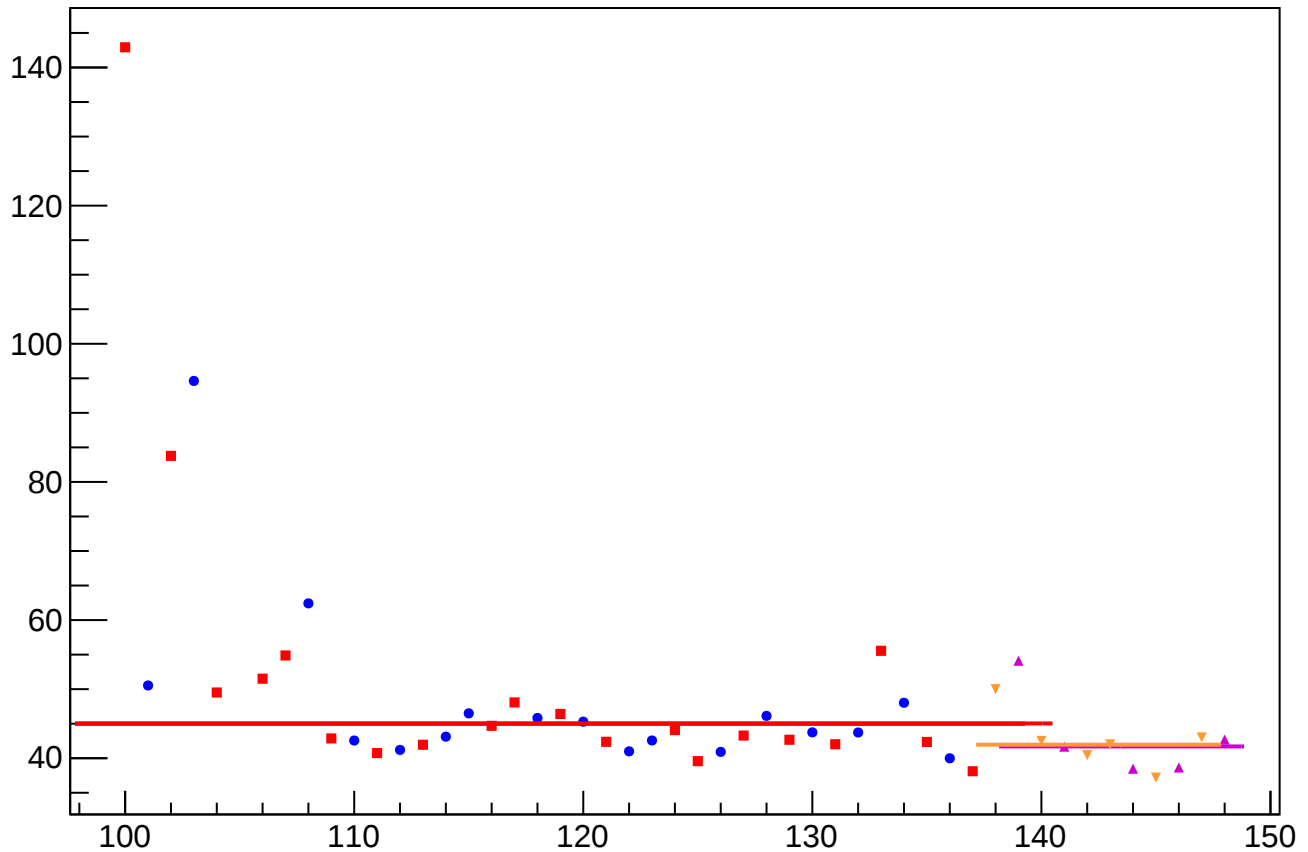
Right Out: -24.491 $\pm$ 17.338 χ^2 /NDF: 18.0/19

Left In: 48.951 $\pm$ 20.920 χ^2 /NDF: 4.5/4

-14.367 $\pm$ 13.522 χ^2 /NDF: 30.3/22

5.414 $\pm$ 13.349 χ^2 /NDF: 29.8/24

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2/NDF : 438352.8/16

Left Out: 41.962 $\pm$ 0.015 χ^2/NDF : 64250.9/5

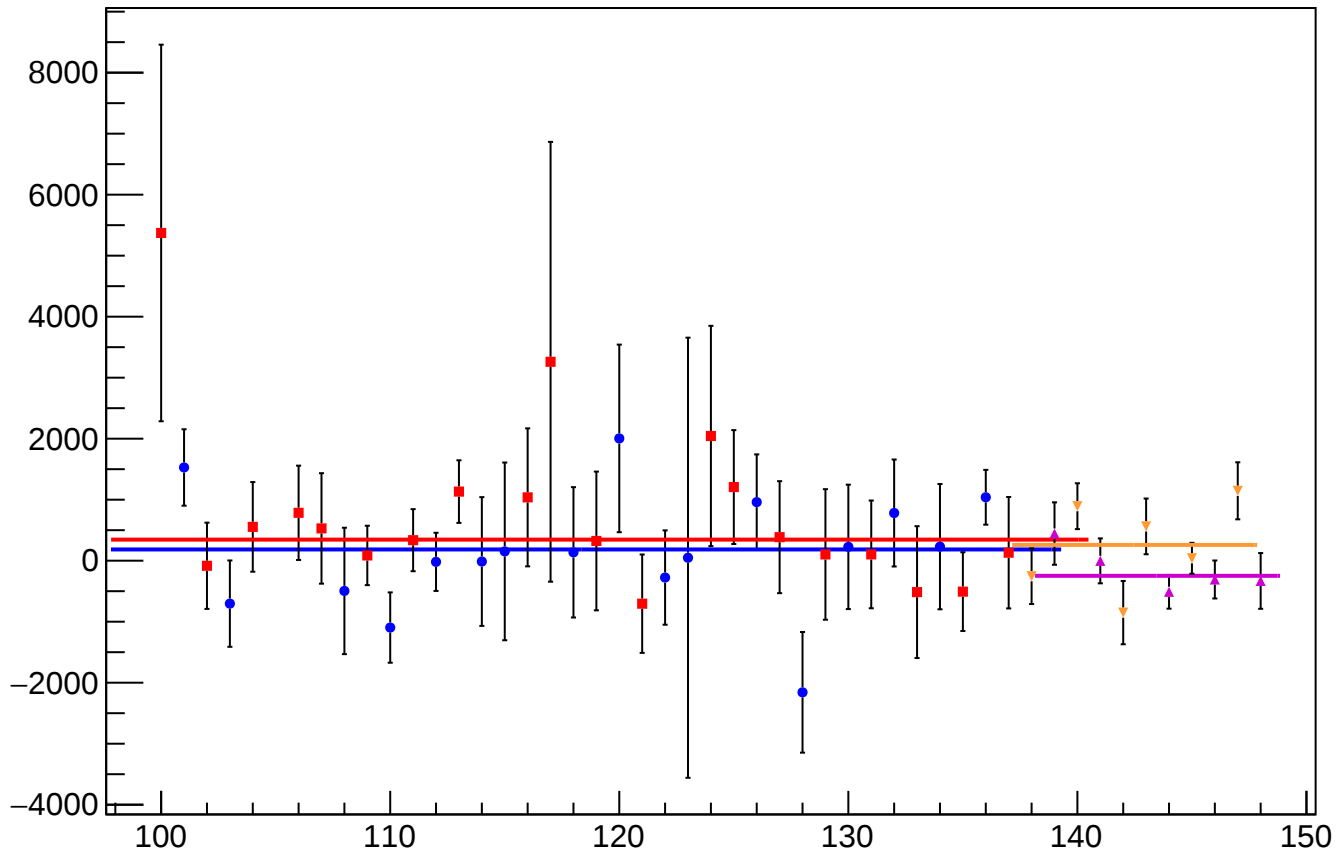
Right Out: 45.034 $\pm$ 0.012 χ^2/NDF : 415853.3/19

Left In: 41.705 $\pm$ 0.015 χ^2/NDF : 98959.2/4

43.708 $\pm$ 0.010 χ^2/NDF : 527299.2/22

43.678 $\pm$ 0.009 χ^2/NDF : 544847.4/24

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 258.681 ± 156.988 χ^2/NDF : 13.5/5

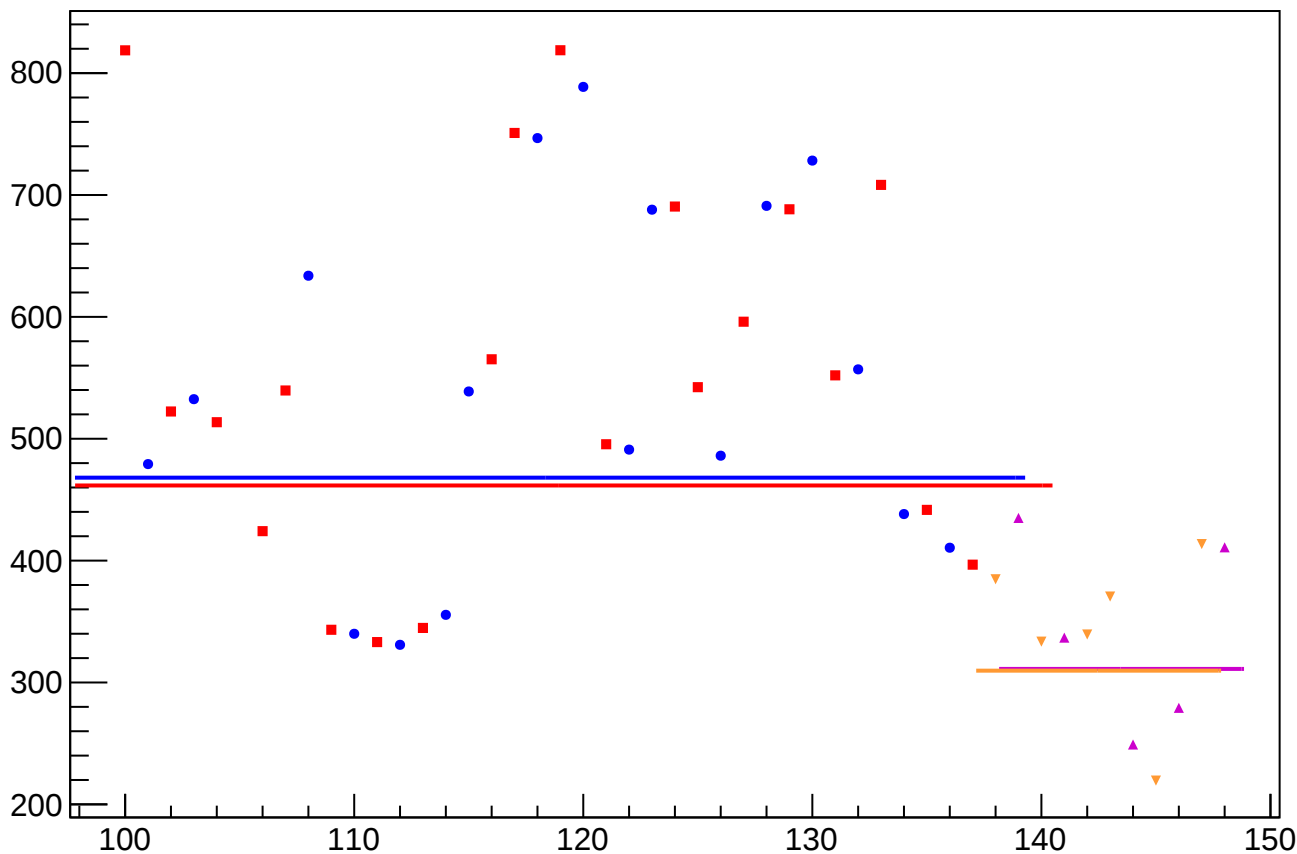
Right Out: 345.548 ± 179.160 χ^2/NDF : 13.1/19

Left In: -247.911 ± 159.324 χ^2/NDF : 3.2/4

228.183 ± 120.647 χ^2/NDF : 37.8/22

14.160 ± 119.057 χ^2/NDF : 22.5/24

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2/NDF : 880319.3/16

Left Out: 309.705 $\pm$ 0.111 χ^2/NDF : 456693.1/5

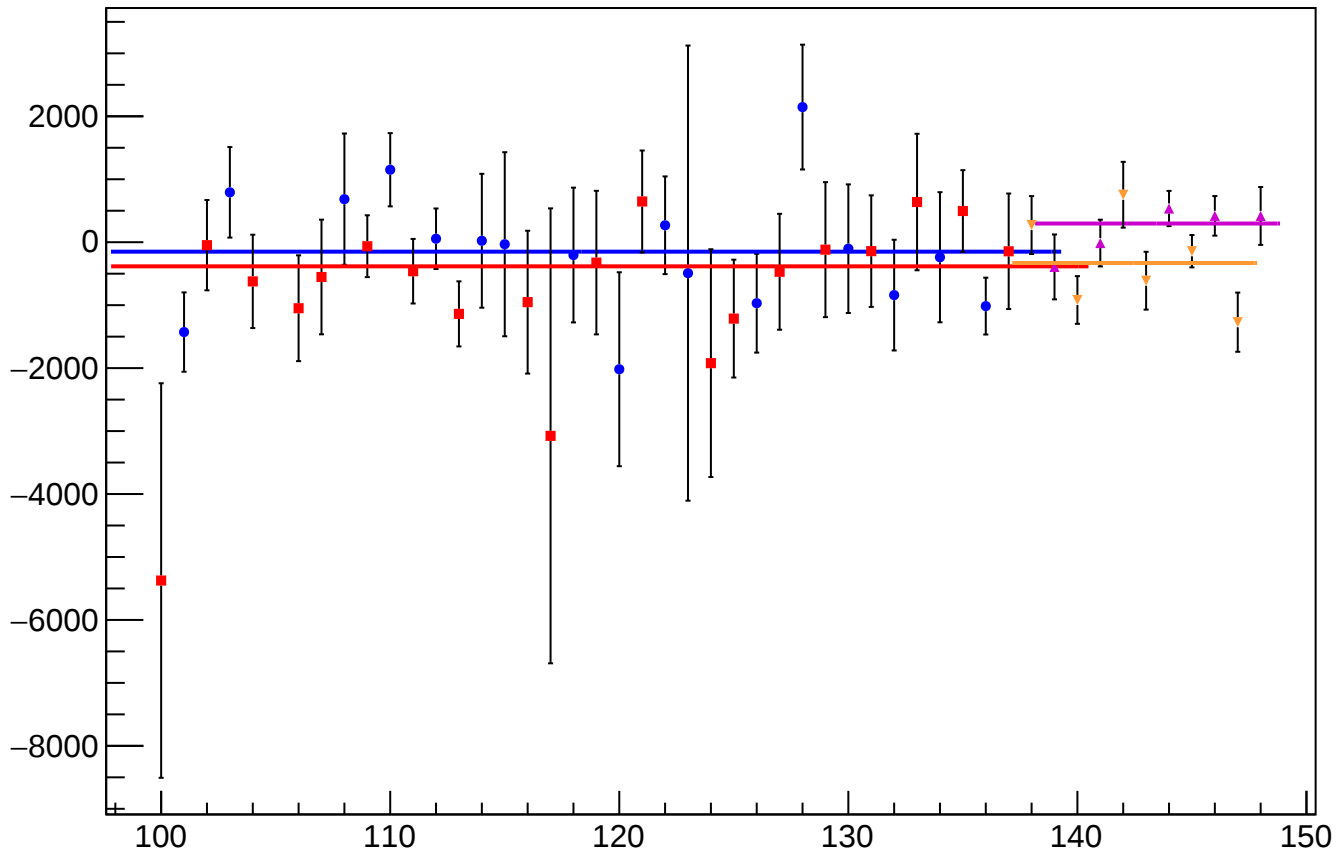
Right Out: 461.656 $\pm$ 0.127 χ^2/NDF : 967939.5/19

Left In: 311.134 $\pm$ 0.113 χ^2/NDF : 344197.2/4

374.539 $\pm$ 0.085 χ^2/NDF : 2170241.2/22

377.604 $\pm$ 0.084 χ^2/NDF : 2100442.1/24

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -330.829 ± 158.558 χ^2/NDF : 13.3/5

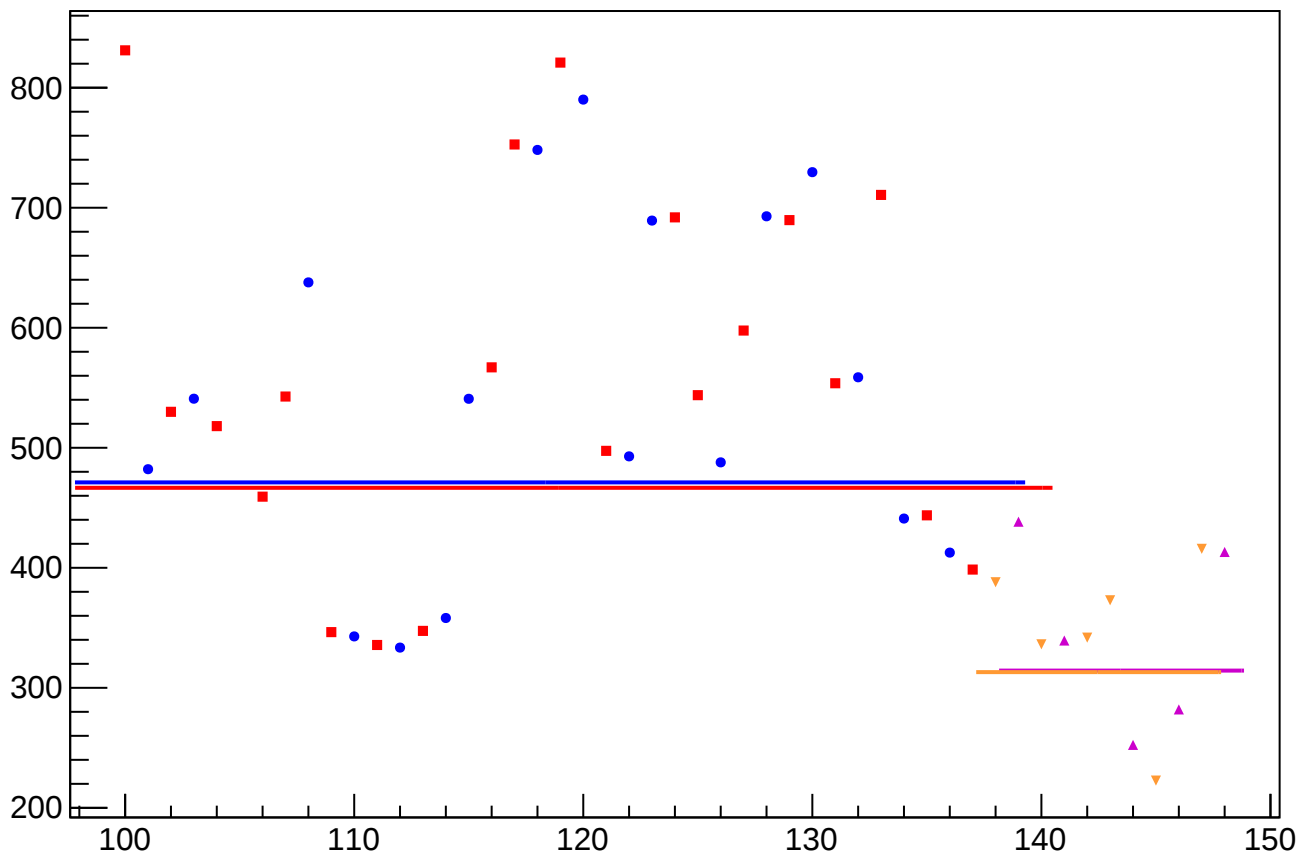
Right Out: -383.331 ± 181.030 χ^2/NDF : 13.0/19

Left In: 296.765 ± 160.863 χ^2/NDF : 3.4/4

-256.595 ± 121.666 χ^2/NDF : 38.1/22

-3.306 ± 120.248 χ^2/NDF : 24.3/24

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156 ± 0.134 χ^2/NDF : 871832.5/16

Left Out: 313.080 ± 0.112 χ^2/NDF : 443613.1/5

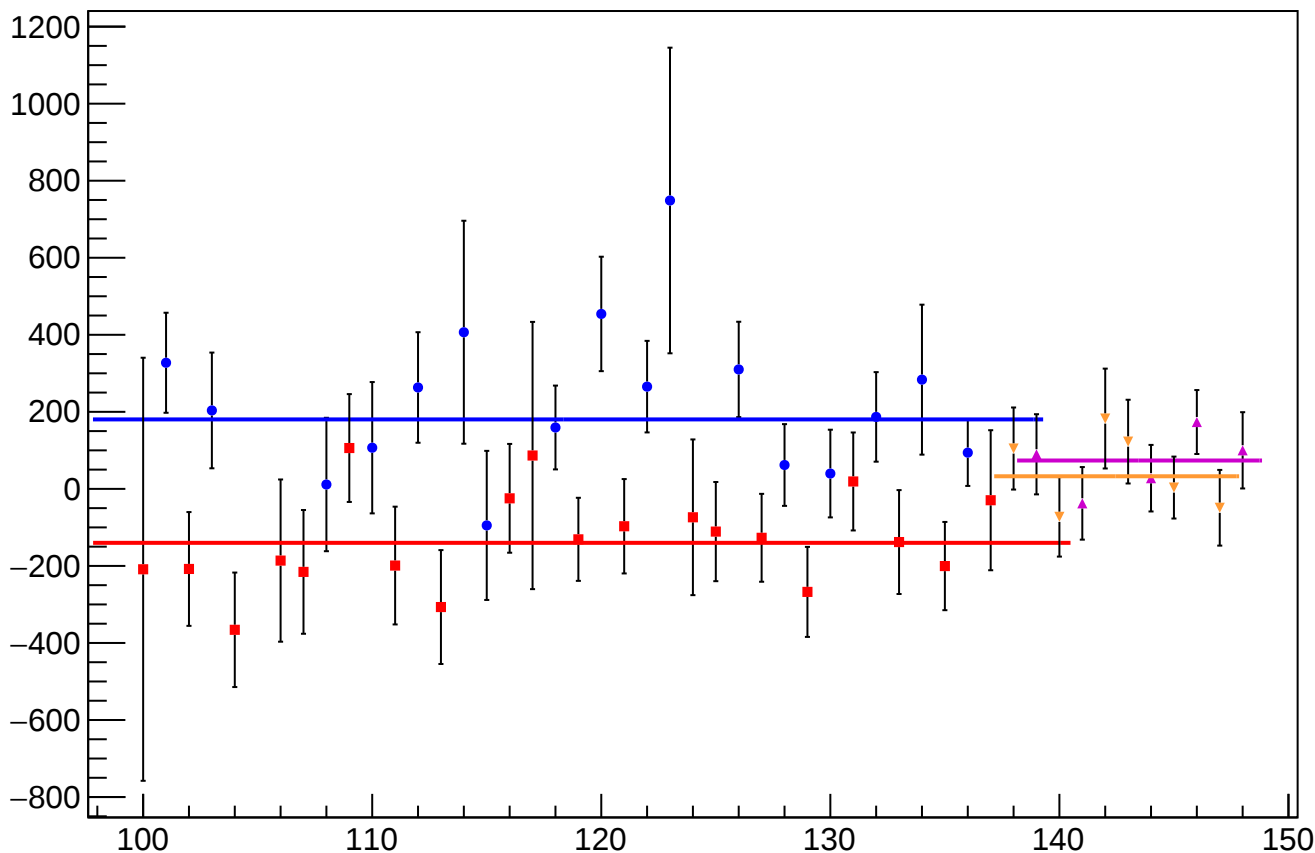
Right Out: 466.655 ± 0.128 χ^2/NDF : 953088.6/19

Left In: 314.358 ± 0.114 χ^2/NDF : 336508.9/4

378.083 ± 0.086 χ^2/NDF : 2132878.9/22

381.554 ± 0.085 χ^2/NDF : 2080559.7/24

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 ± 32.769 χ^2/NDF : 16.6/16

Left Out: 32.725 ± 41.362 χ^2/NDF : 4.3/5

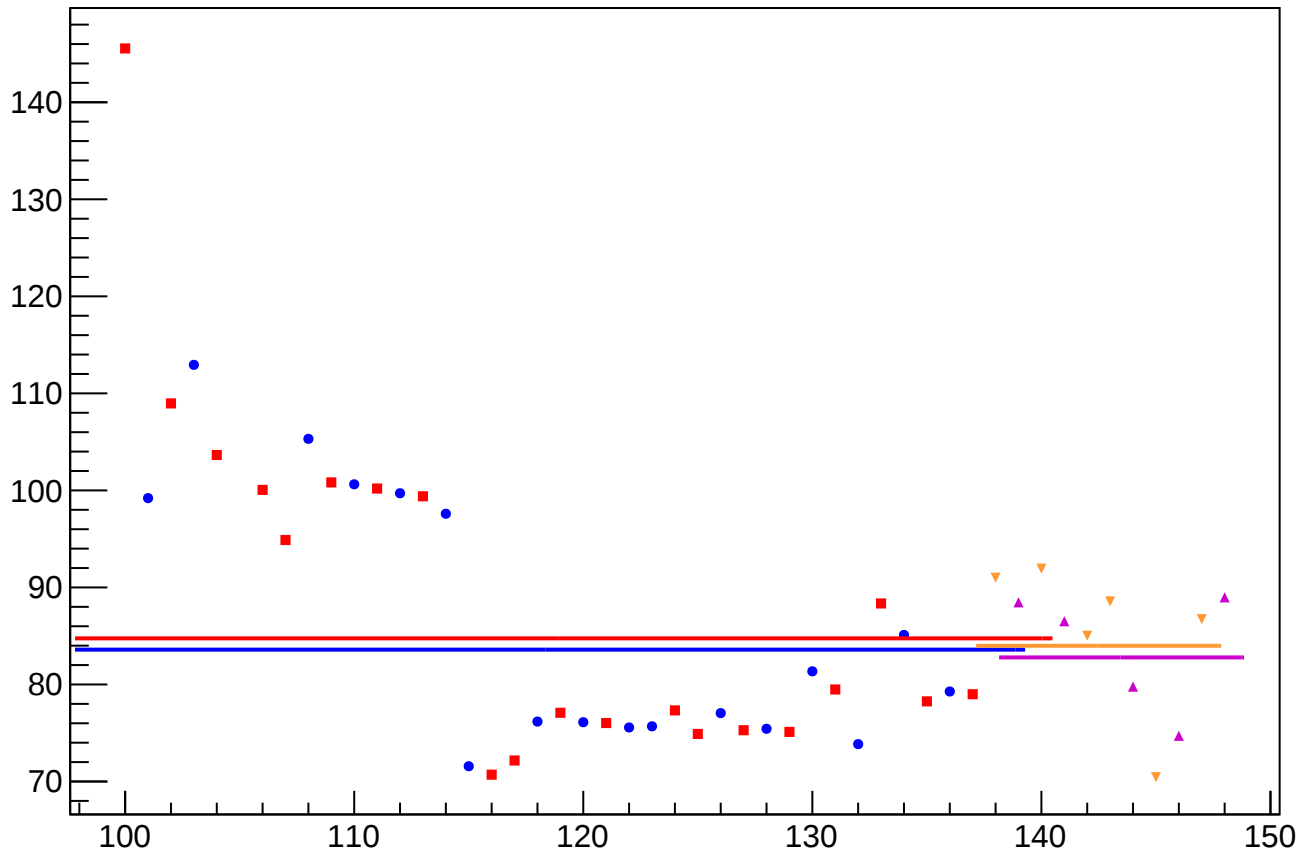
Right Out: -140.070 ± 32.198 χ^2/NDF : 12.1/19

Left In: 73.654 ± 41.304 χ^2/NDF : 3.2/4

123.407 ± 25.685 χ^2/NDF : 28.7/22

-59.286 ± 25.394 χ^2/NDF : 32.0/24

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 ± 0.023 χ^2/NDF : 255921.7/16

Left Out: 83.987 ± 0.029 χ^2/NDF : 82587.6/5

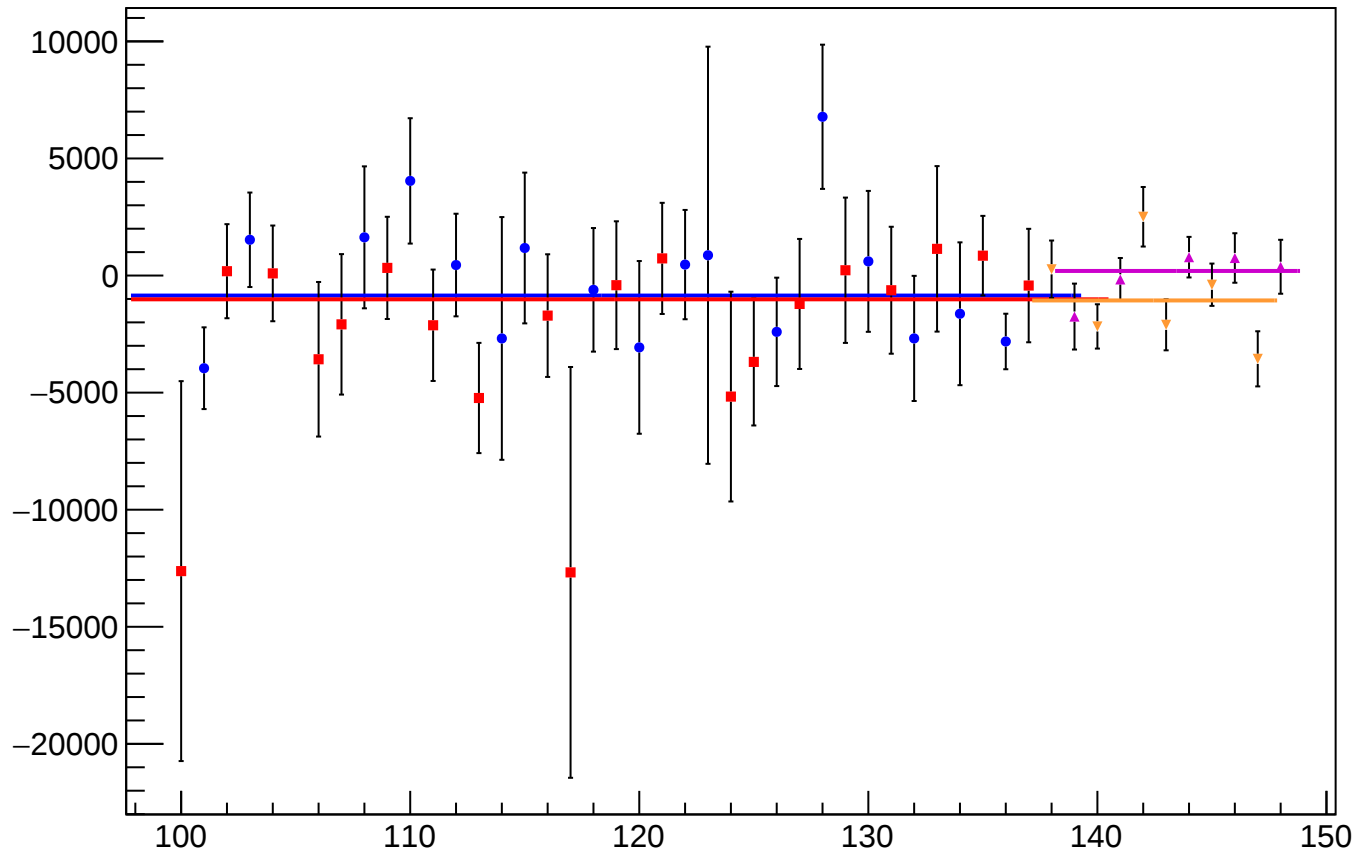
Right Out: 84.752 ± 0.023 χ^2/NDF : 293262.6/19

Left In: 82.787 ± 0.029 χ^2/NDF : 38272.3/4

83.744 ± 0.018 χ^2/NDF : 338622.3/22

84.009 ± 0.018 χ^2/NDF : 334350.1/24

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 ± 583.290 χ^2/NDF : 20.3/16

Left Out: -1063.273 ± 439.027 χ^2/NDF : 16.4/5

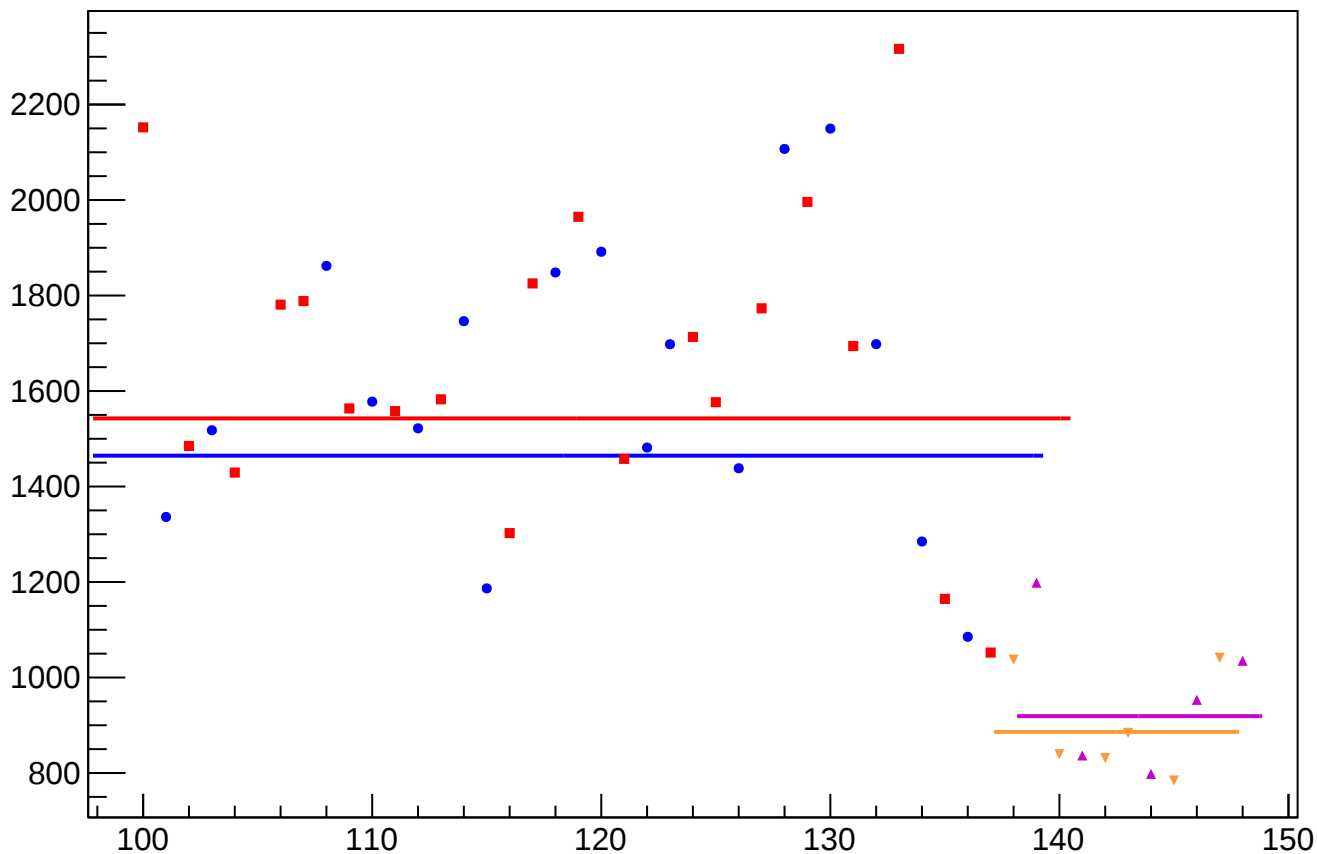
Right Out: -1015.523 ± 587.747 χ^2/NDF : 13.3/19

Left In: 195.855 ± 462.292 χ^2/NDF : 2.8/4

-988.064 ± 350.771 χ^2/NDF : 36.8/22

-267.139 ± 363.361 χ^2/NDF : 18.8/24

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 886.082 $\pm$ 0.310 χ^2 /NDF: 99096.1/5

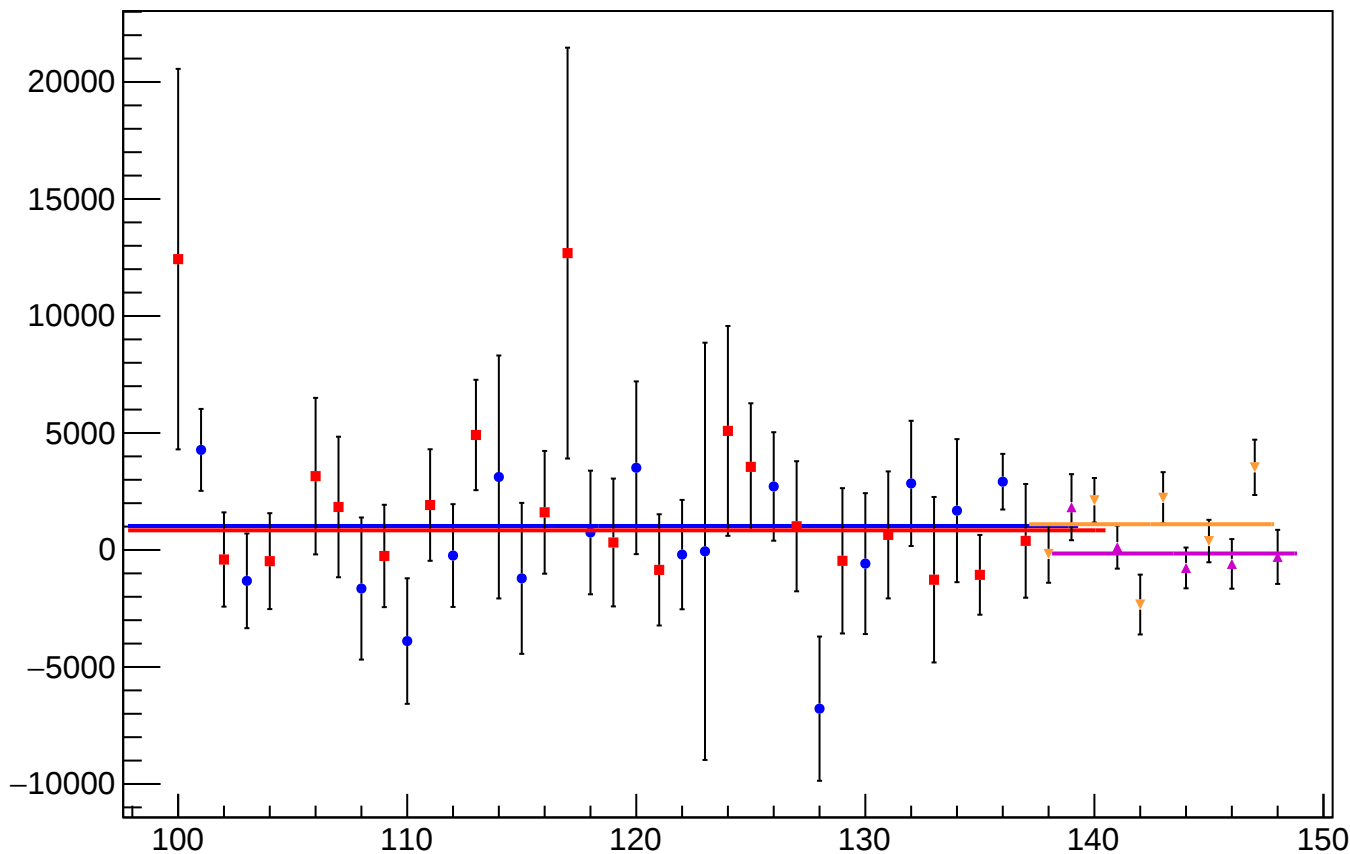
Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

Left In: 919.091 $\pm$ 0.327 χ^2 /NDF: 156354.3/4

1095.311 $\pm$ 0.248 χ^2 /NDF: 1916025.8/22

1157.423 $\pm$ 0.257 χ^2 /NDF: 2002958.4/24

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 ± 584.500 χ^2/NDF : 20.9/16

Left Out: 1101.102 ± 441.130 χ^2/NDF : 15.3/5

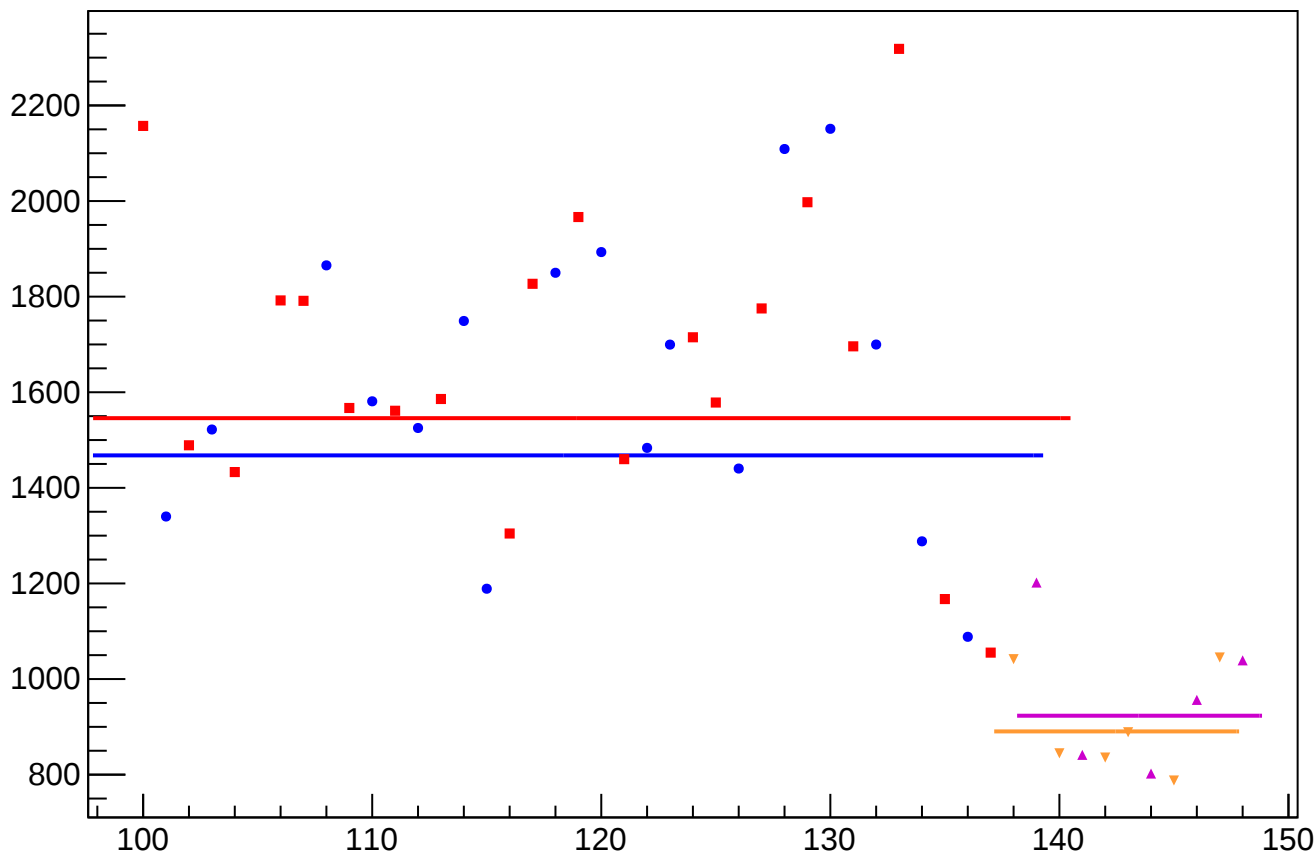
Right Out: 840.586 ± 589.057 χ^2/NDF : 13.0/19

Left In: -150.343 ± 464.321 χ^2/NDF : 2.7/4

1073.677 ± 352.106 χ^2/NDF : 36.3/22

229.403 ± 364.655 χ^2/NDF : 17.5/24

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 890.455+/-0.312 χ^2/NDF : 98265.0/5

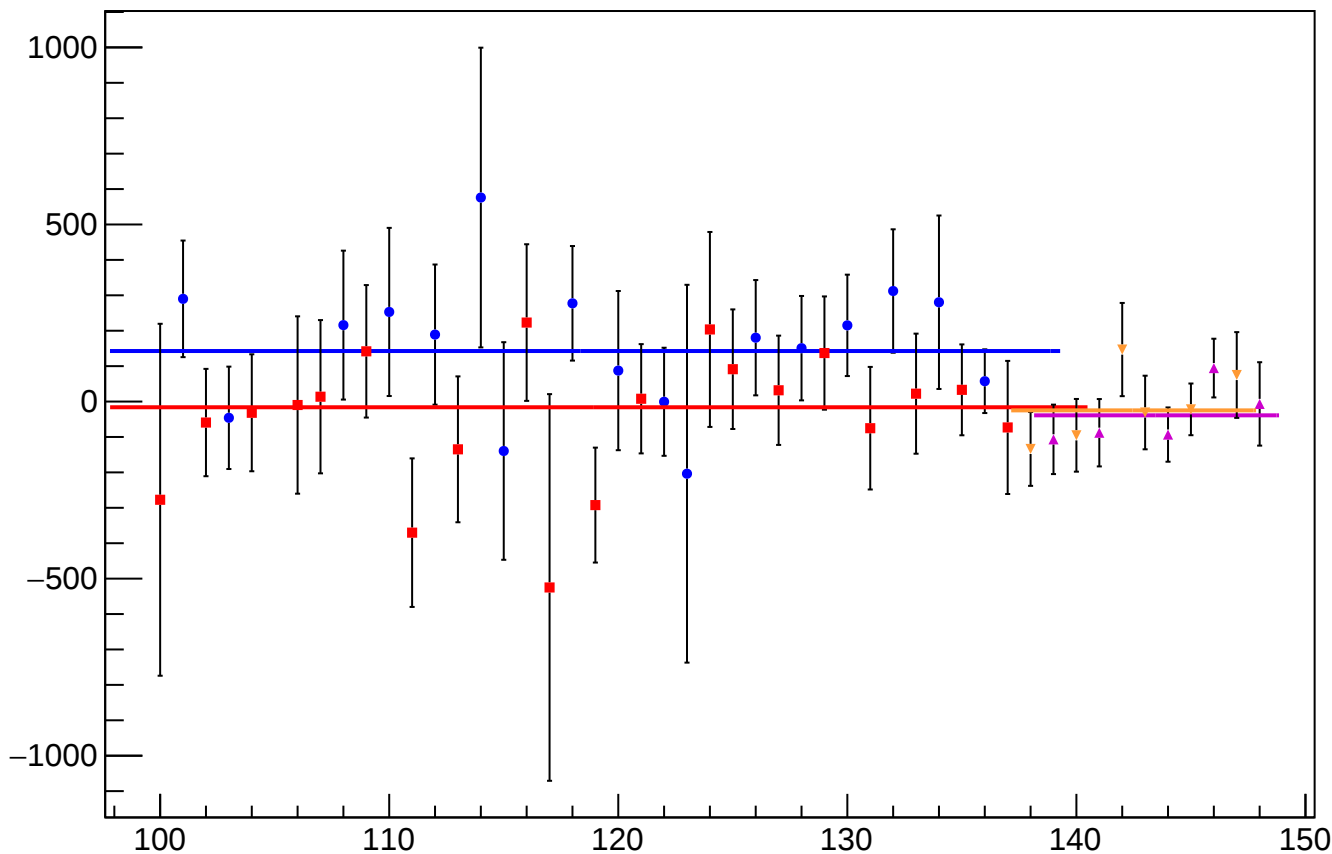
Right Out: 1545.785+/-0.417 χ^2/NDF : 453865.6/19

Left In: 923.284+/-0.328 χ^2/NDF : 154364.3/4

1100.008+/-0.249 χ^2/NDF : 1899388.1/22

1161.840+/-0.258 χ^2/NDF : 1985829.8/24

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -24.898 $\pm$ 41.059 χ^2 /NDF:3.9/5

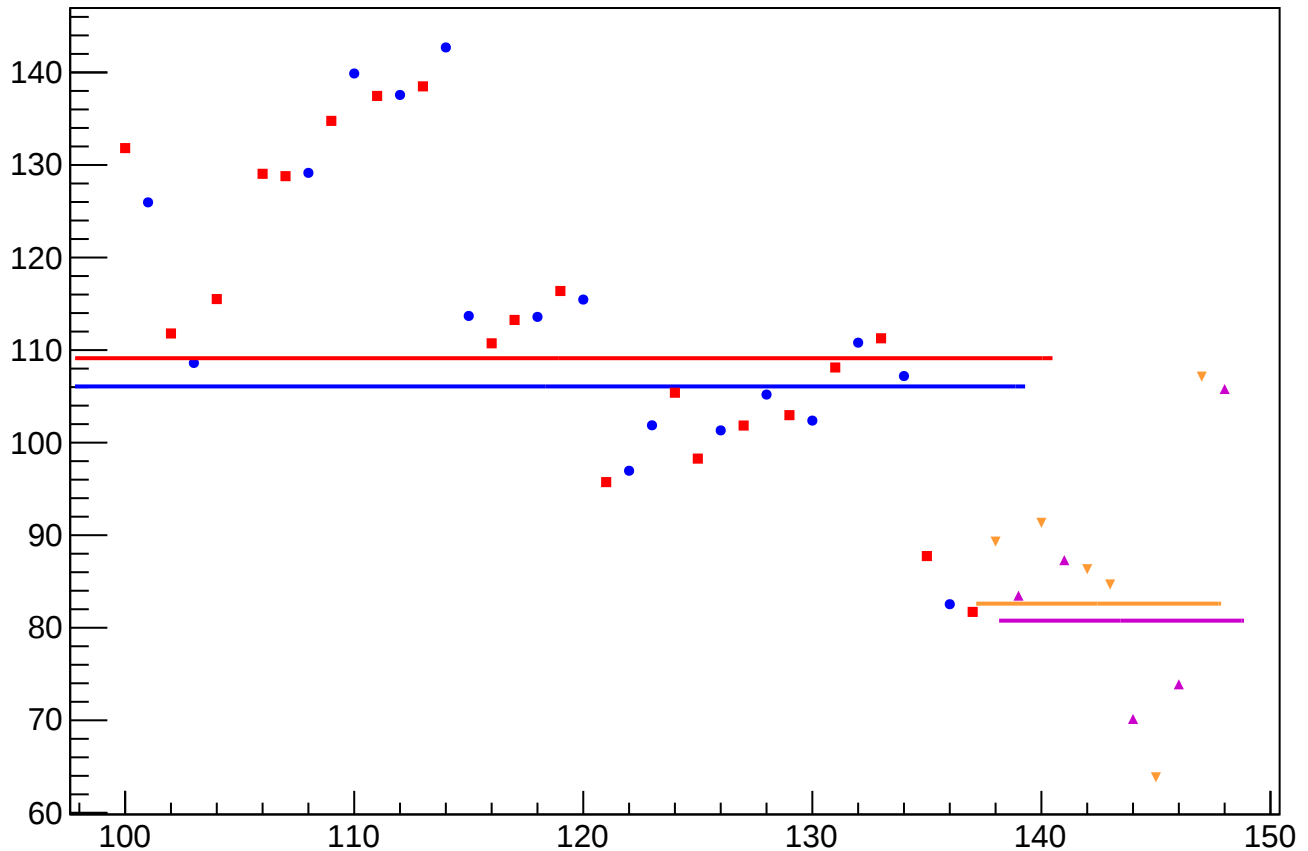
Right Out: -16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

Left In: -38.898 $\pm$ 40.738 χ^2 /NDF:3.9/4

57.745 $\pm$ 29.231 χ^2 /NDF: 21.5/22

-27.650 $\pm$ 28.995 χ^2 /NDF: 15.8/24

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 82.606 $\pm$ 0.029 χ^2 /NDF:239374.5/5

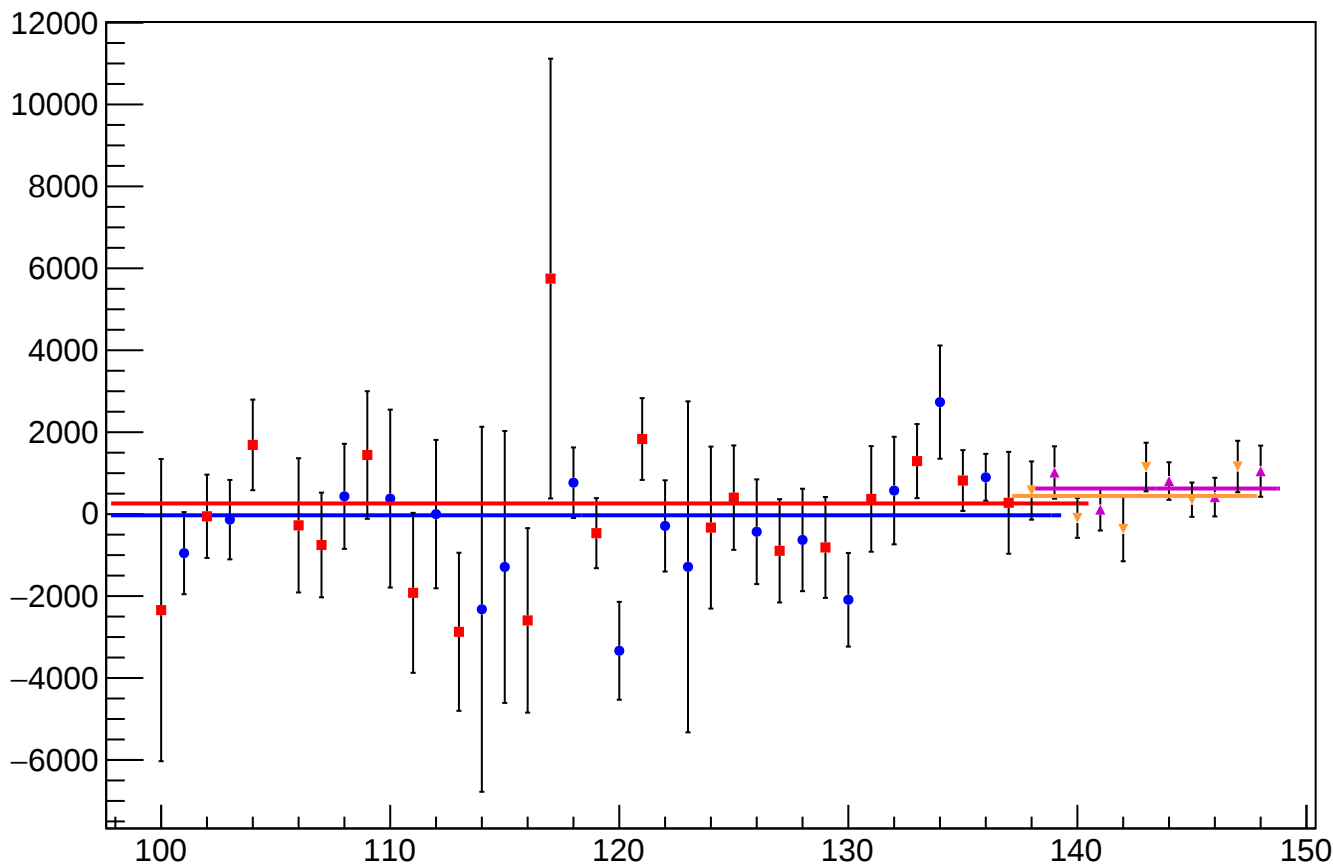
Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

Left In: 80.767 $\pm$ 0.029 χ^2 /NDF:153507.7/4

94.179 $\pm$ 0.021 χ^2 /NDF: 879490.8/22

94.759 $\pm$ 0.021 χ^2 /NDF: 917173.6/24

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 444.757 ± 230.046 χ^2/NDF : 5.1/5

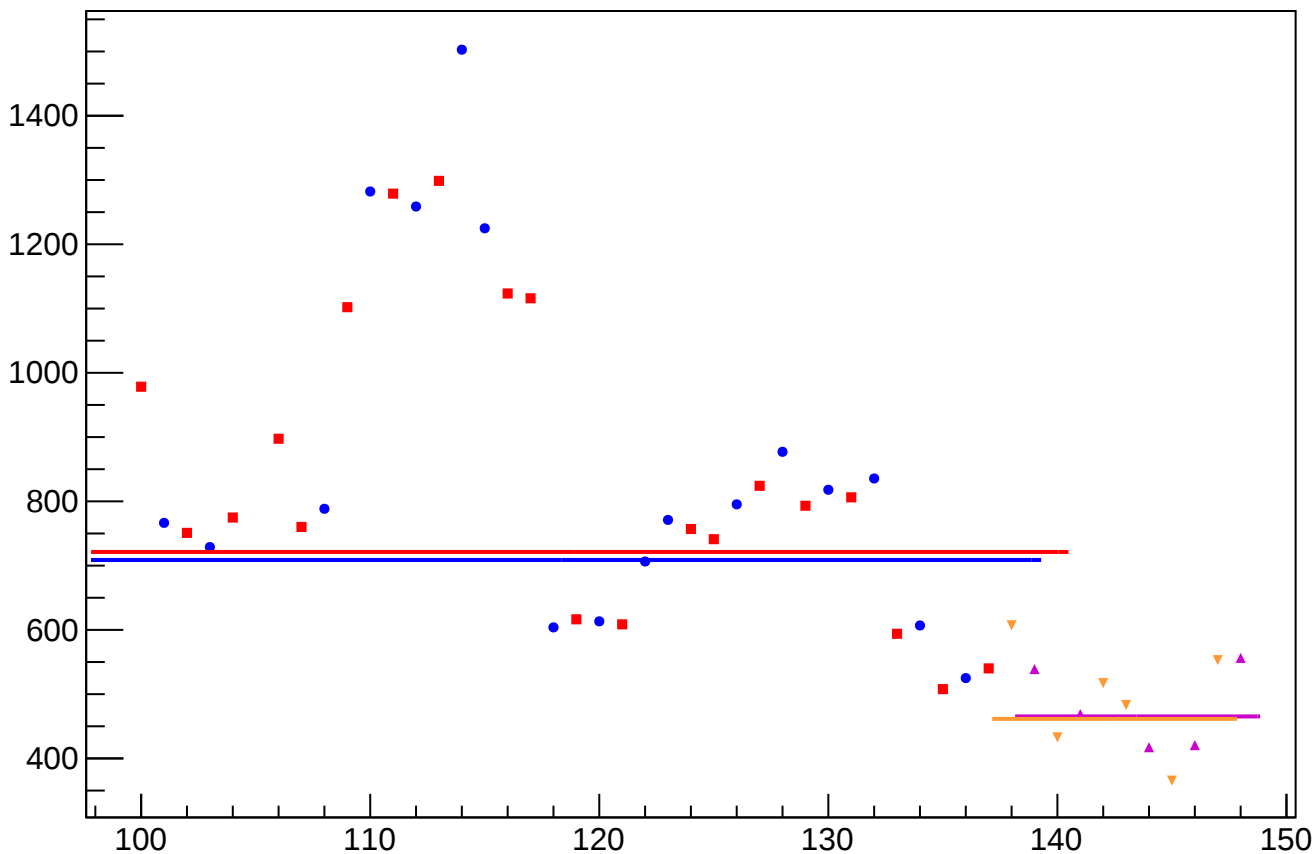
Right Out: 261.265 ± 279.073 χ^2/NDF : 16.9/19

Left In: 625.334 ± 235.084 χ^2/NDF : 2.2/4

257.264 ± 178.694 χ^2/NDF : 27.3/22

474.221 ± 179.795 χ^2/NDF : 20.1/24

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 461.552 $\pm$ 0.163 χ^2 /NDF: 251120.7/5

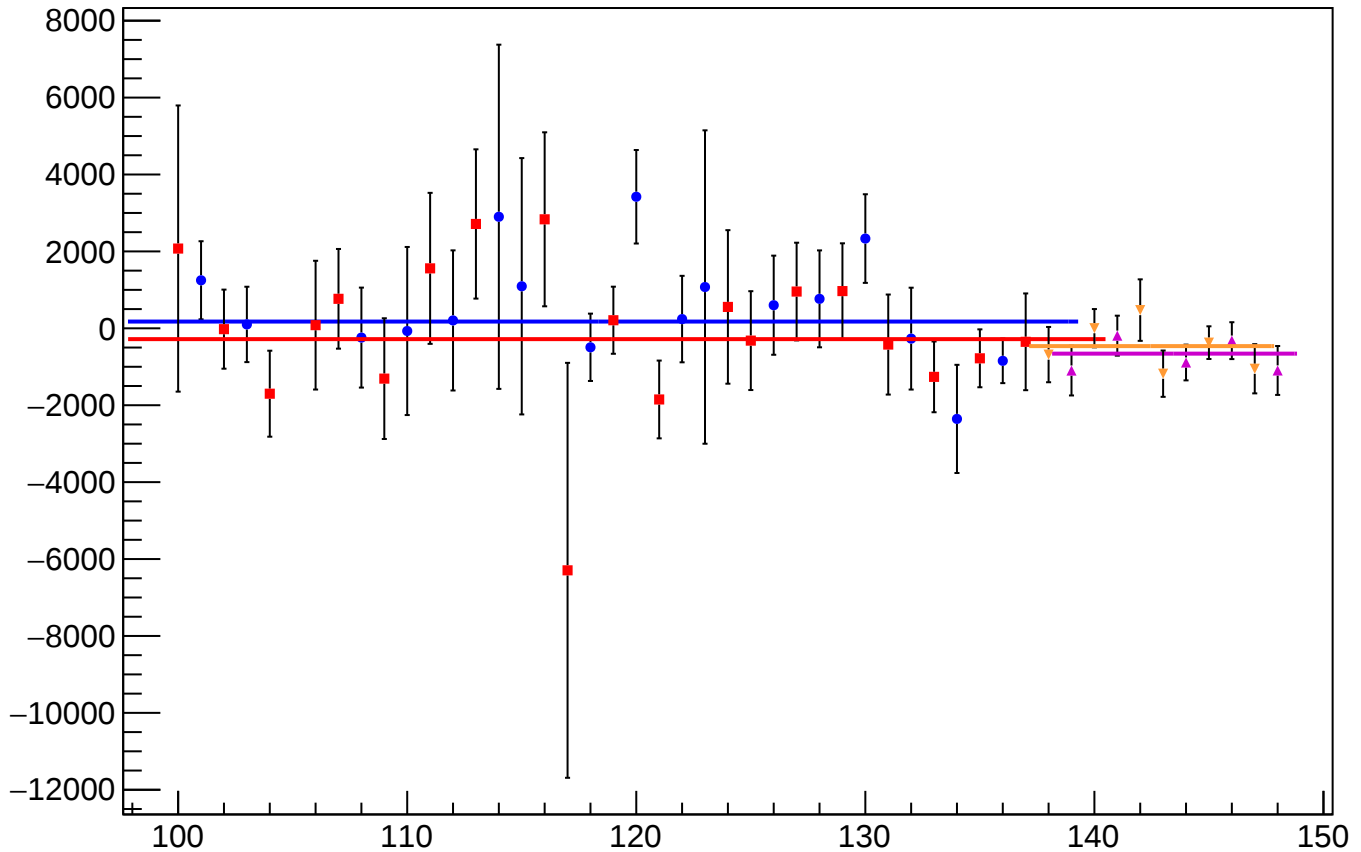
Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

Left In: 465.323 $\pm$ 0.166 χ^2 /NDF: 109019.9/4

559.609 $\pm$ 0.126 χ^2 /NDF: 1960846.9/22

571.558 $\pm$ 0.127 χ^2 /NDF: 2003822.8/24

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -462.694 $\pm$ 233.929 χ^2 /NDF: 4.7/5

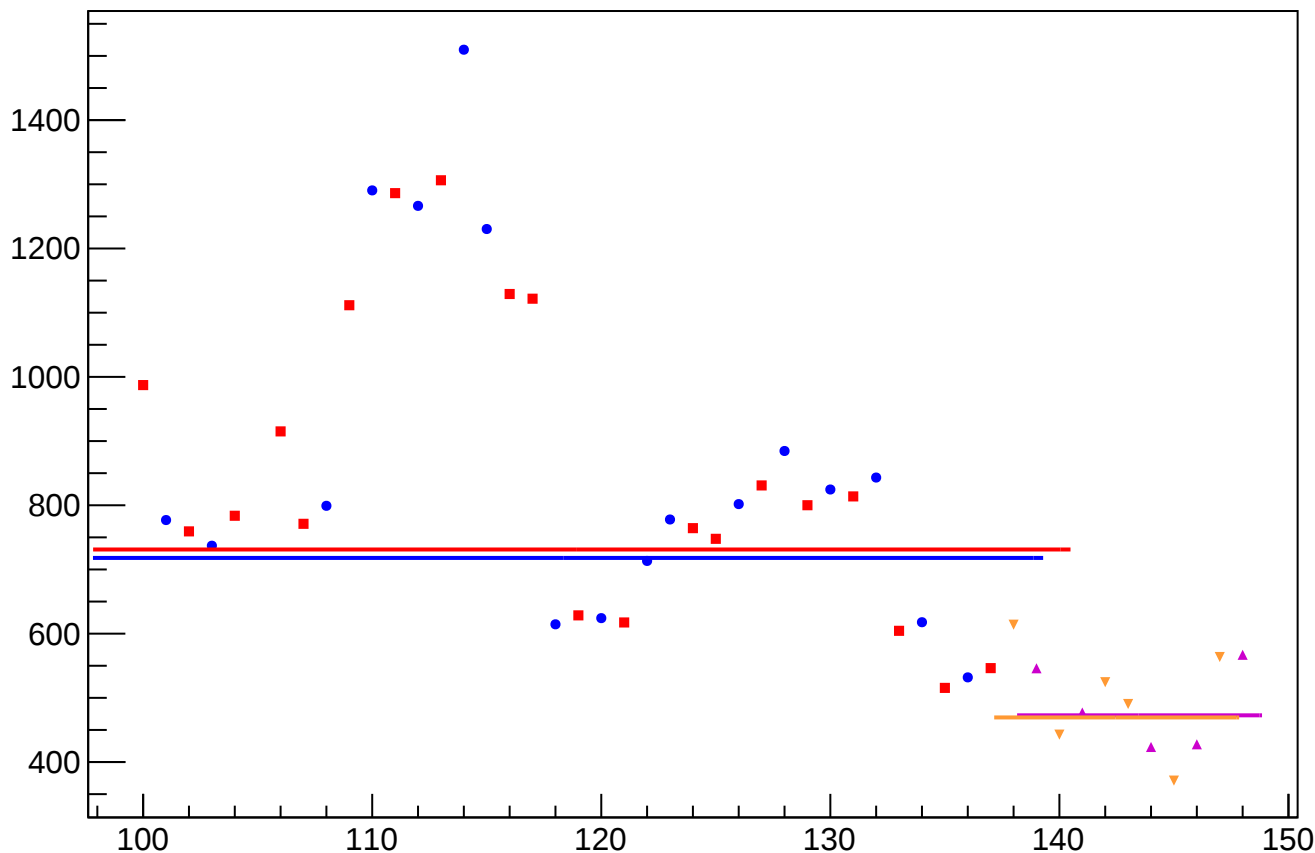
Right Out: -281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

Left In: -658.450 $\pm$ 238.799 χ^2 /NDF: 2.5/4

-208.038 $\pm$ 181.381 χ^2 /NDF: 27.4/22

-501.338 $\pm$ 182.422 χ^2 /NDF: 19.6/24

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 469.478+/-0.165 χ^2/NDF : 248964.7/5

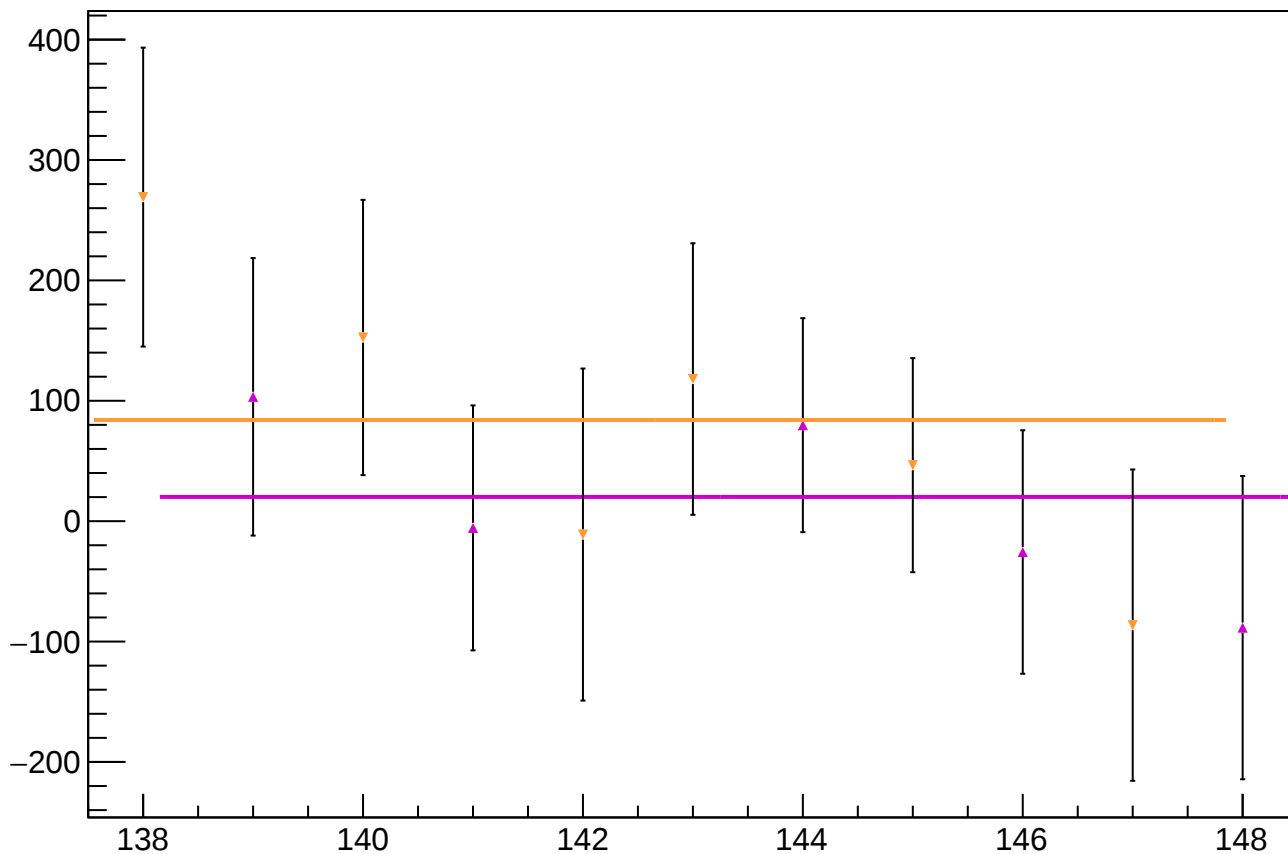
Right Out: 731.116+/-0.200 χ^2/NDF : 892357.6/19

Left In: 472.774+/-0.169 χ^2/NDF : 109985.8/4

568.579+/-0.128 χ^2/NDF : 1927577.7/22

580.356+/-0.129 χ^2/NDF : 1977113.9/24

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 84.016+/-46.682 χ^2/NDF : 5.1/5

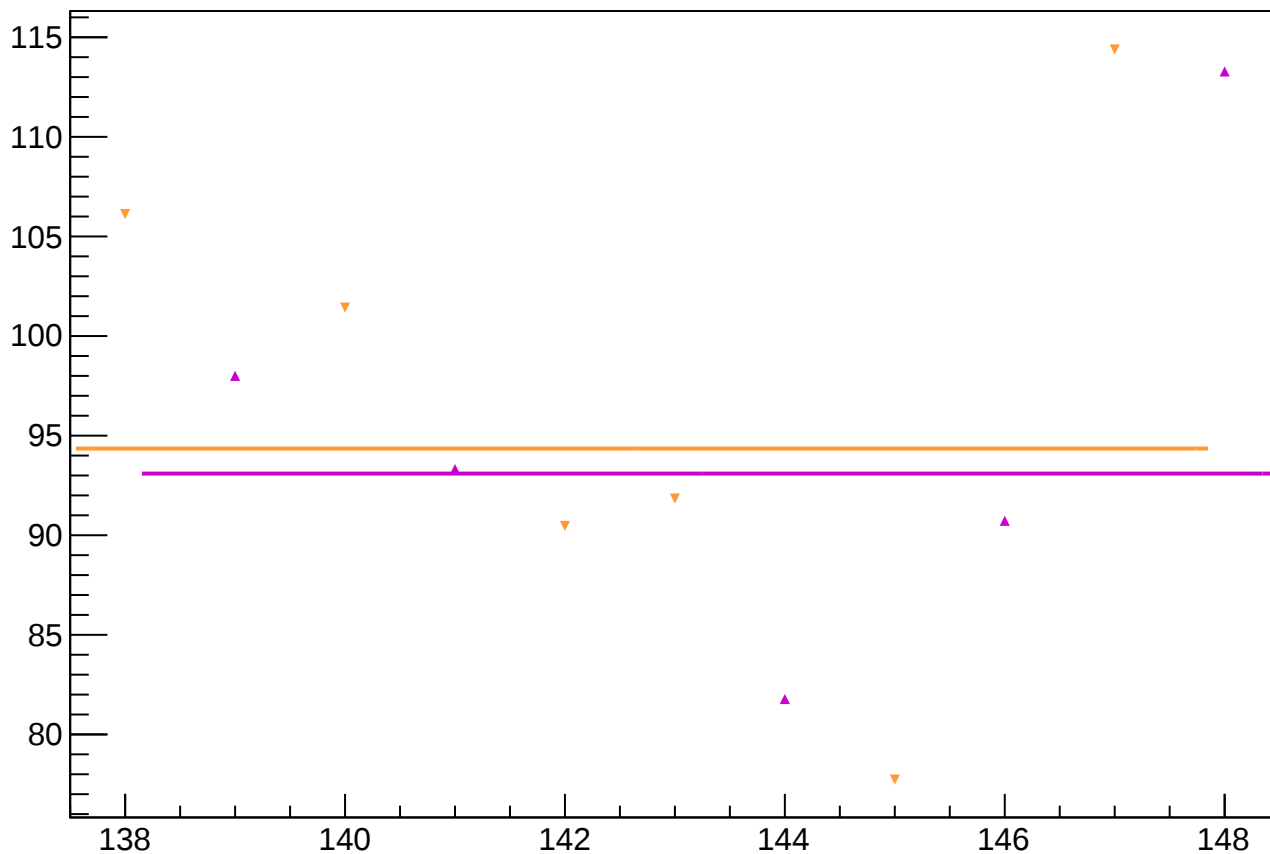
84.016+/-46.682 χ^2/NDF : 5.1/5

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

20.146+/-46.661 χ^2/NDF : 2.0/4

Left In: 20.146+/-46.661 χ^2/NDF : 2.0/4

reg_asym_sam_1548_avg_rms vs Slug



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

Left Out: 94.353+/-0.033 χ^2/NDF : 146093.0/5

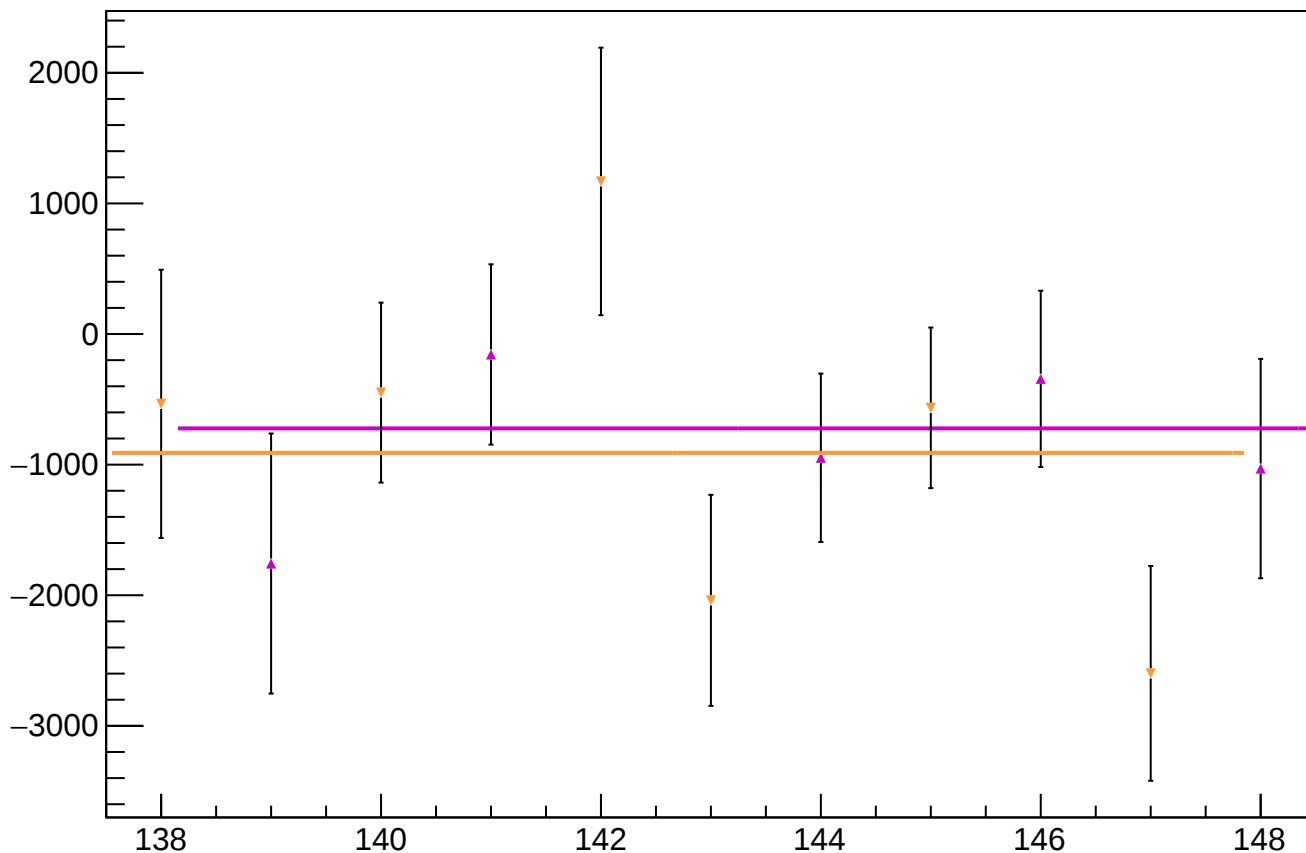
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 93.095+/-0.033 χ^2/NDF : 88529.8/4

94.353+/-0.033 χ^2/NDF : 146093.0/5

93.095+/-0.033 χ^2/NDF : 88529.8/4

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -910.262+/-321.650 χ^2/NDF : 11.2/5

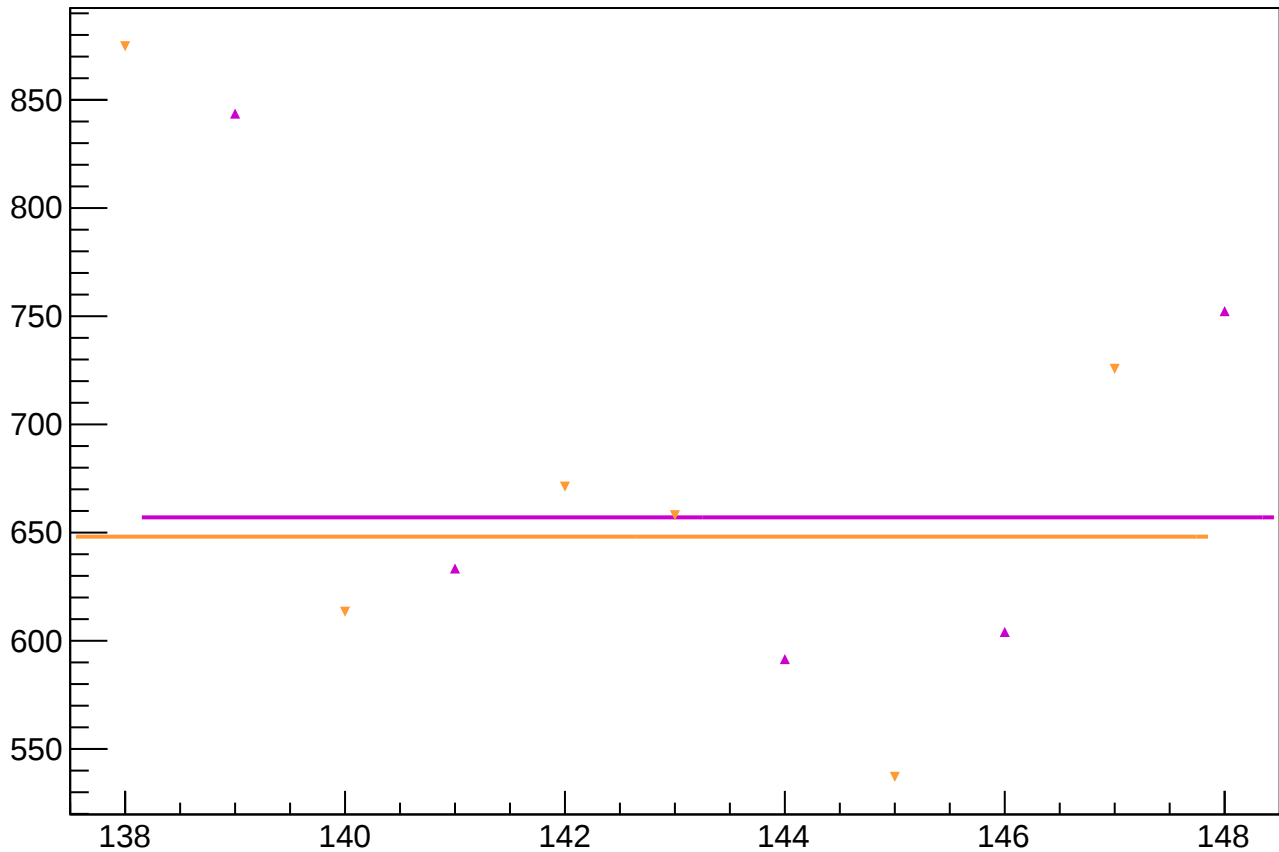
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -722.584+/-331.004 χ^2/NDF : 2.3/4

-910.262+/-321.650 χ^2/NDF : 11.2/5

-722.584+/-331.004 χ^2/NDF : 2.3/4

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 648.121+/-0.227 χ^2/NDF : 186871.6/5

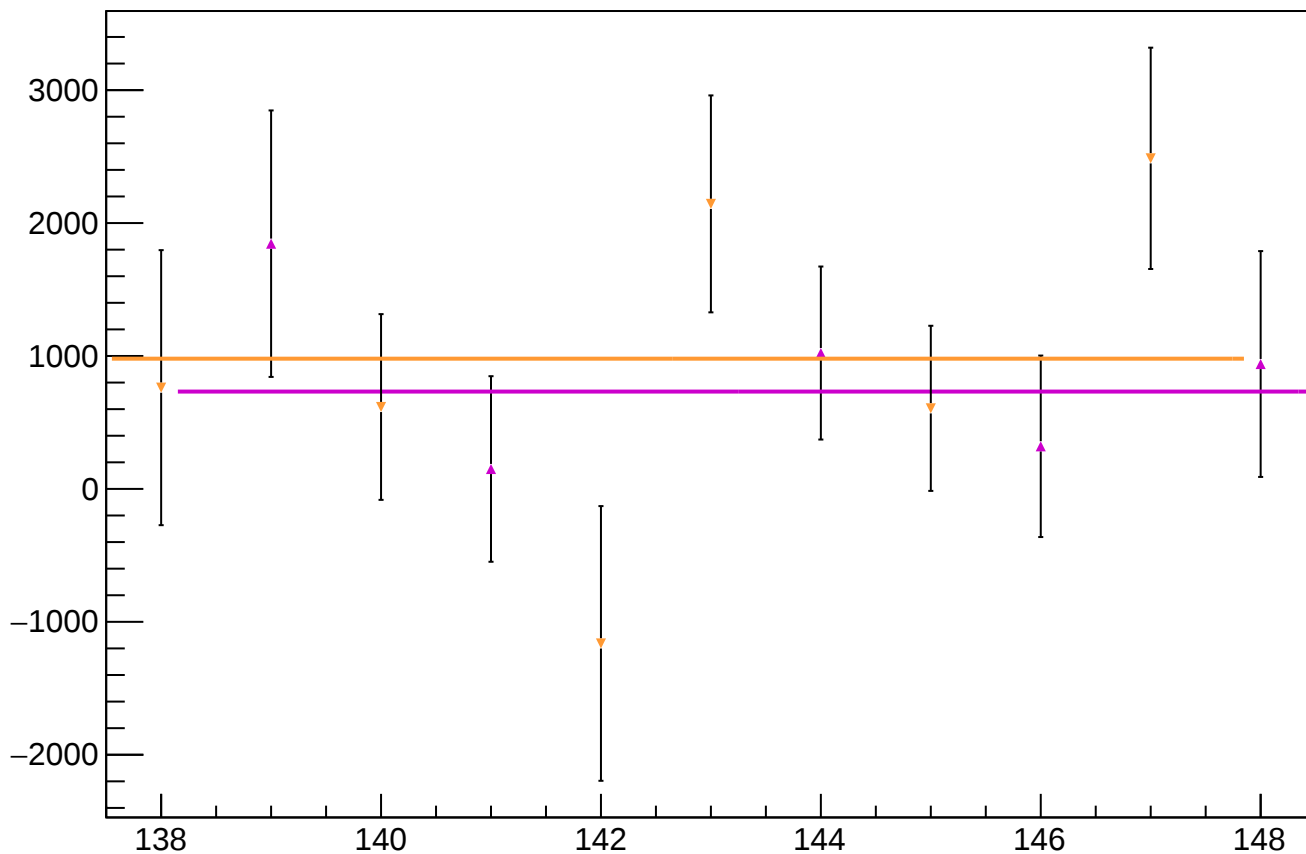
648.121+/-0.227 χ^2/NDF : 186871.6/5

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

657.039+/-0.234 χ^2/NDF : 131357.1/4

Left In: 657.039+/-0.234 χ^2/NDF : 131357.1/4

asym_sam_1548_avg_mean vs Slug



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

Left Out: 979.741+/-325.198 χ^2/NDF : 10.3/5

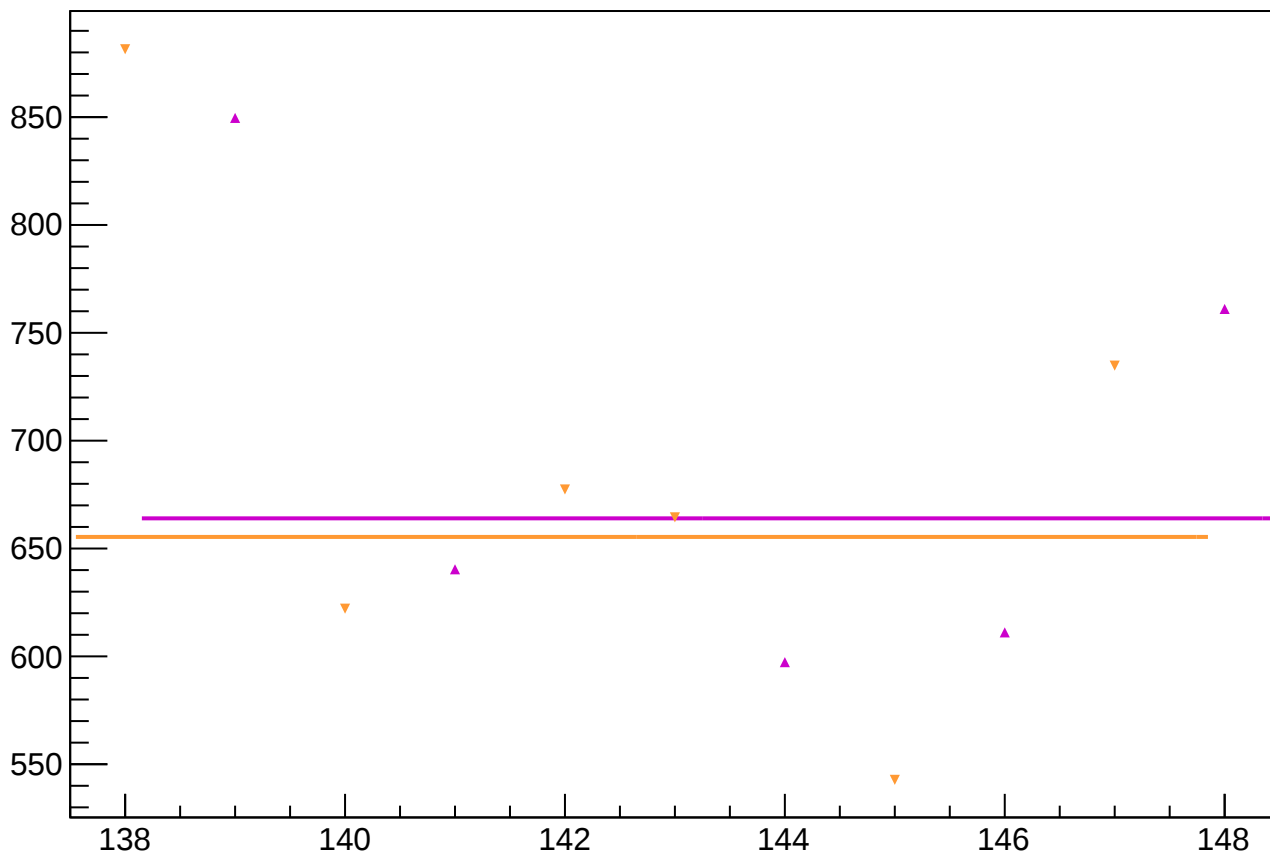
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 732.287+/-334.442 χ^2/NDF : 2.5/4

979.741+/-325.198 χ^2/NDF : 10.3/5

732.287+/-334.442 χ^2/NDF : 2.5/4

asym_sam_1548_avg_rms vs Slug



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

Left Out: 655.374+/-0.230 χ^2/NDF : 185160.0/5

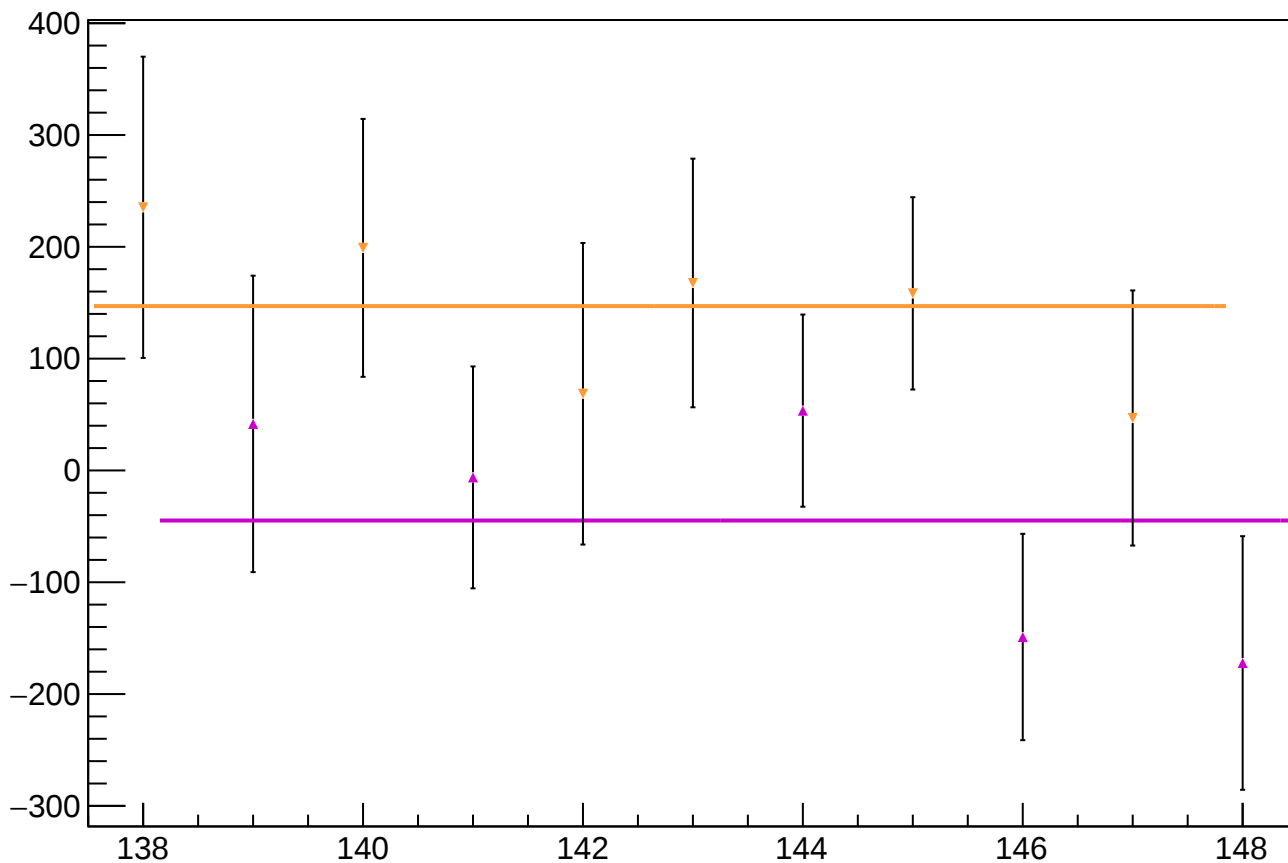
655.374+/-0.230 χ^2/NDF : 185160.0/5

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

663.986+/-0.236 χ^2/NDF : 130004.6/4

Left In: 663.986+/-0.236 χ^2/NDF : 130004.6/4

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 146.975+/-45.730 χ^2/NDF : 1.8/5

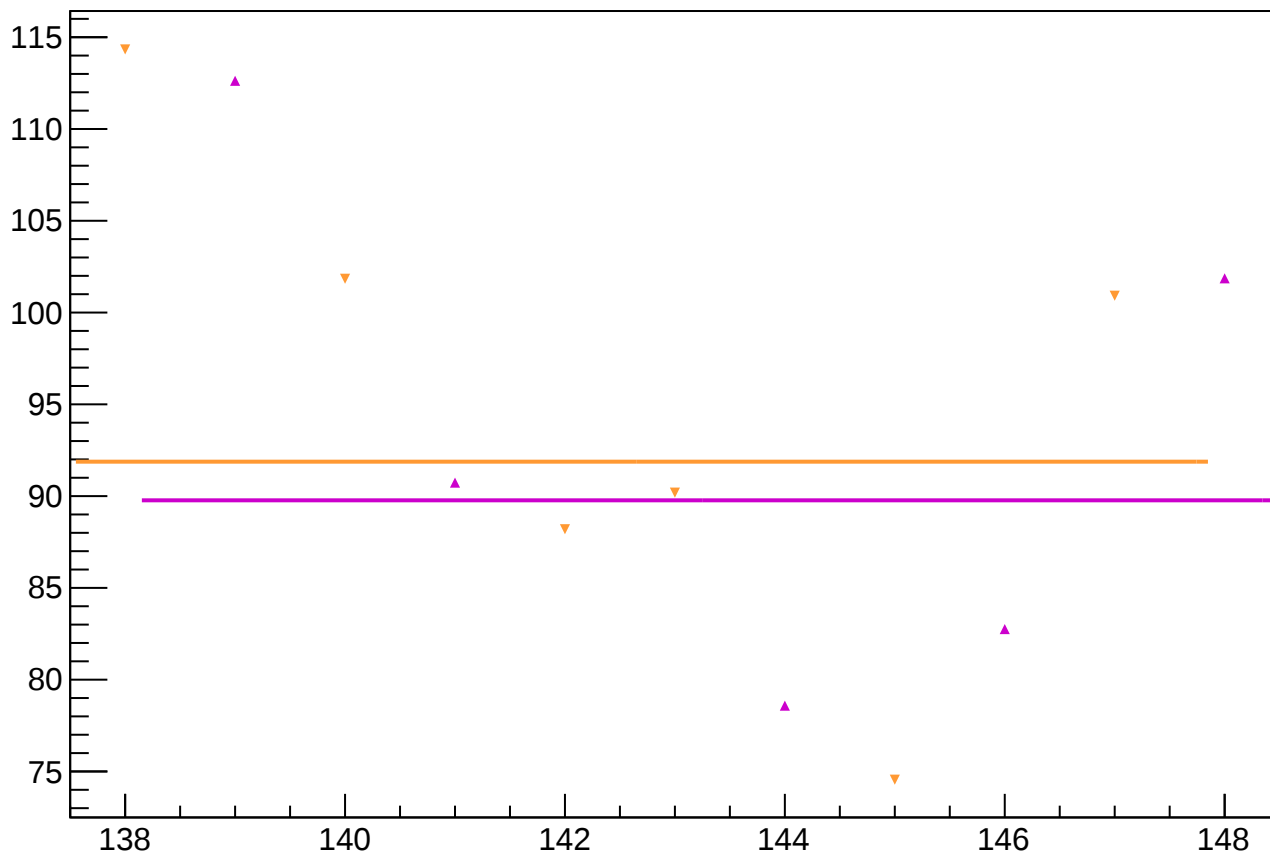
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -44.786+/-45.218 χ^2/NDF : 4.4/4

146.975+/-45.730 χ^2/NDF : 1.8/5

-44.786+/-45.218 χ^2/NDF : 4.4/4

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 91.876+/-0.032 χ^2/NDF :166180.4/5

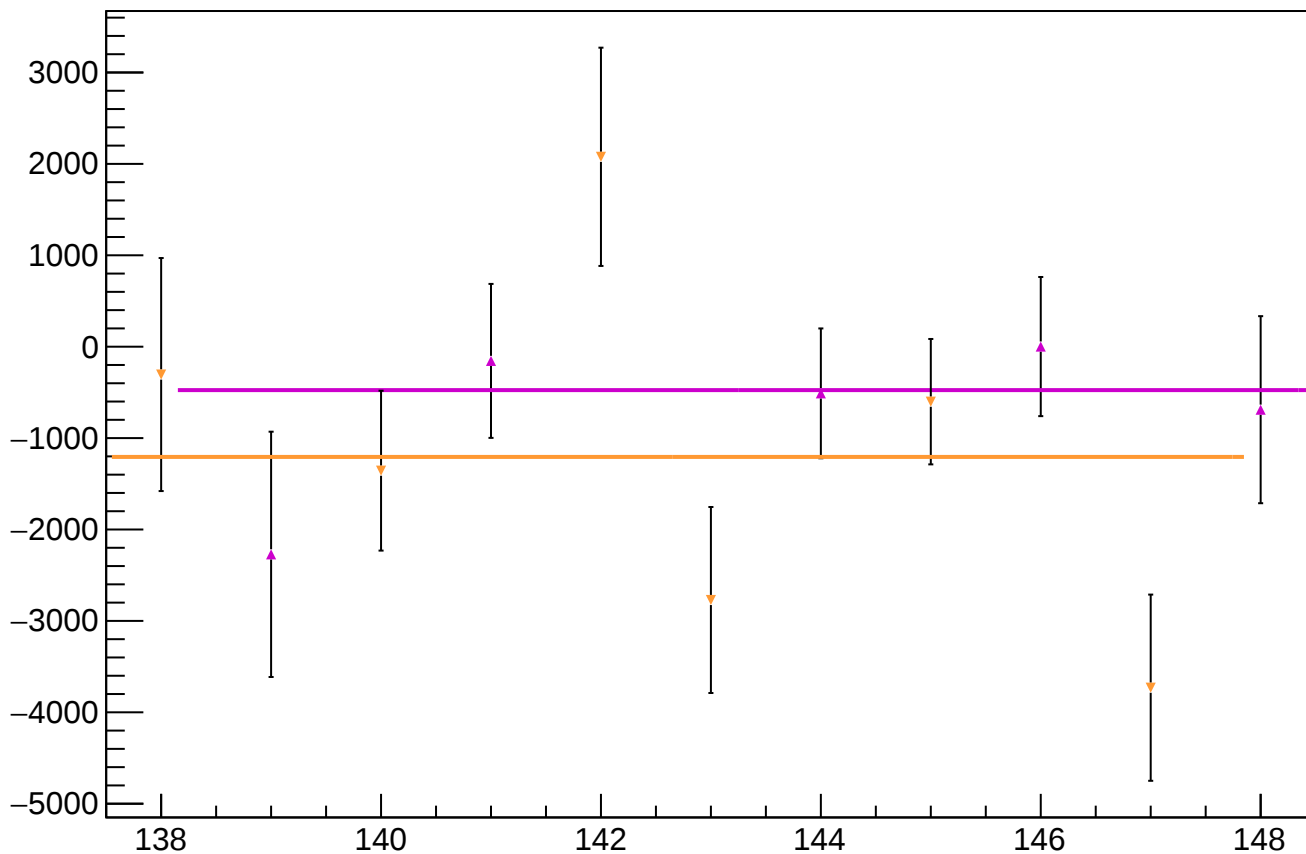
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 89.771+/-0.032 χ^2/NDF :127840.0/4

91.876+/-0.032 χ^2/NDF : 166180.4/5

89.771+/-0.032 χ^2/NDF : 127840.0/4

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1205.919+/-386.941 χ^2/NDF : 17.4/5

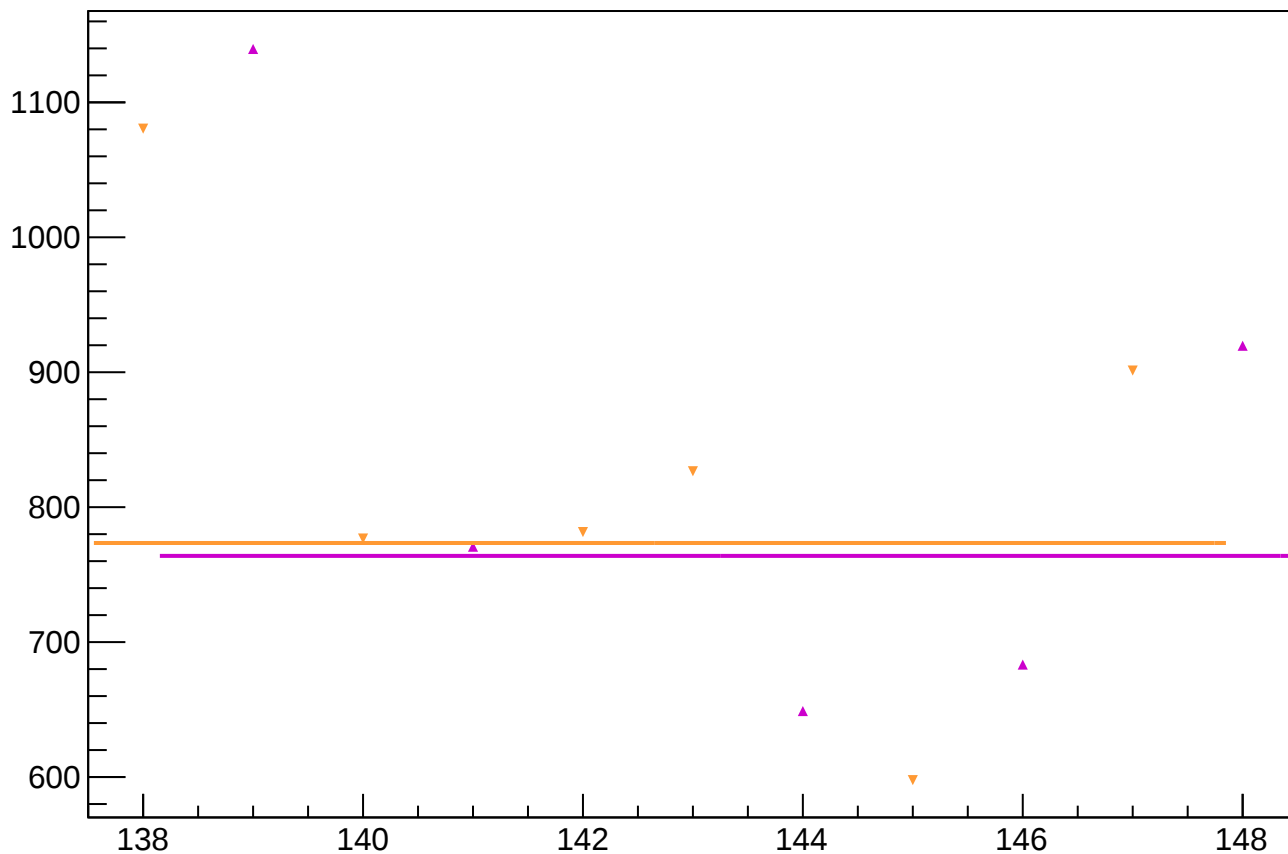
-1205.919+/-386.941 χ^2/NDF : 17.4/5

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

-475.002+/-388.409 χ^2/NDF : 2.4/4

Left In: -475.002+/-388.409 χ^2/NDF : 2.4/4

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 773.453+/-0.274 χ^2/NDF : 284378.0/5

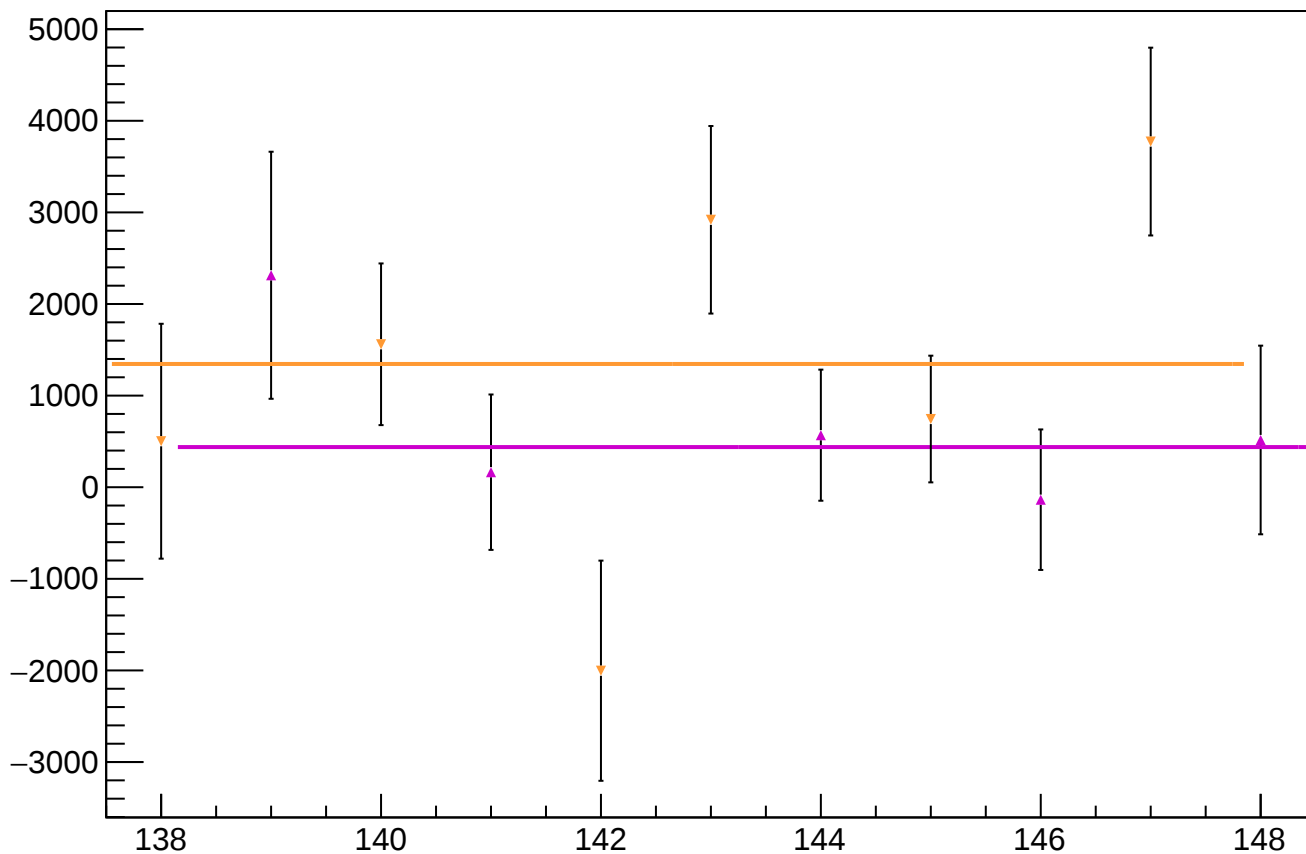
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 763.897+/-0.275 χ^2/NDF : 278055.2/4

773.453+/-0.274 χ^2/NDF : 284378.0/5

763.897+/-0.275 χ^2/NDF : 278055.2/4

asym_sam_3748_avg_mean vs Slug



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

Left Out: 1345.414+/-389.763 χ^2/NDF : 17.0/5

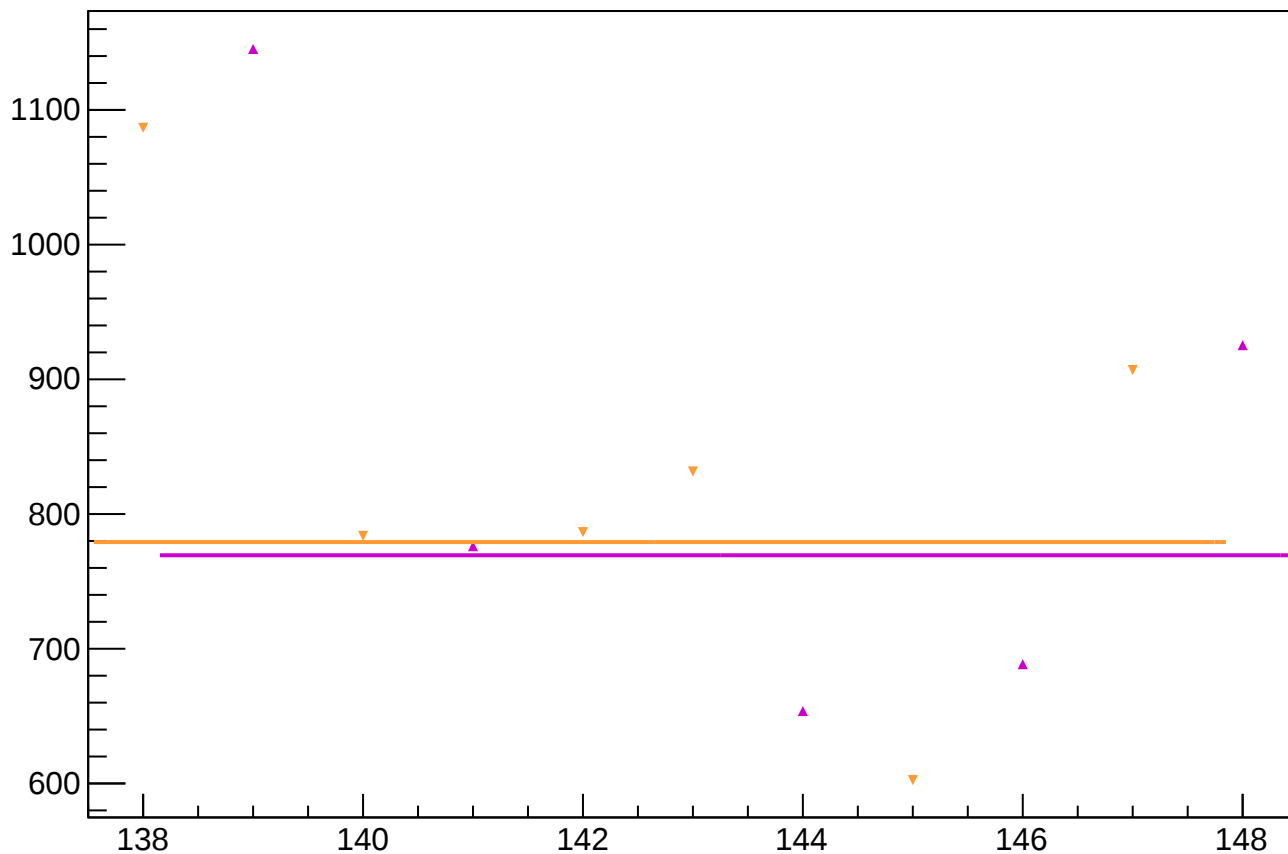
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 438.277+/-391.136 χ^2/NDF : 2.6/4

1345.414+/-389.763 χ^2/NDF : 17.0/5

438.277+/-391.136 χ^2/NDF : 2.6/4

asym_sam_3748_avg_rms vs Slug



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

Left Out: 779.201+/-0.276 χ^2/NDF : 282143.0/5

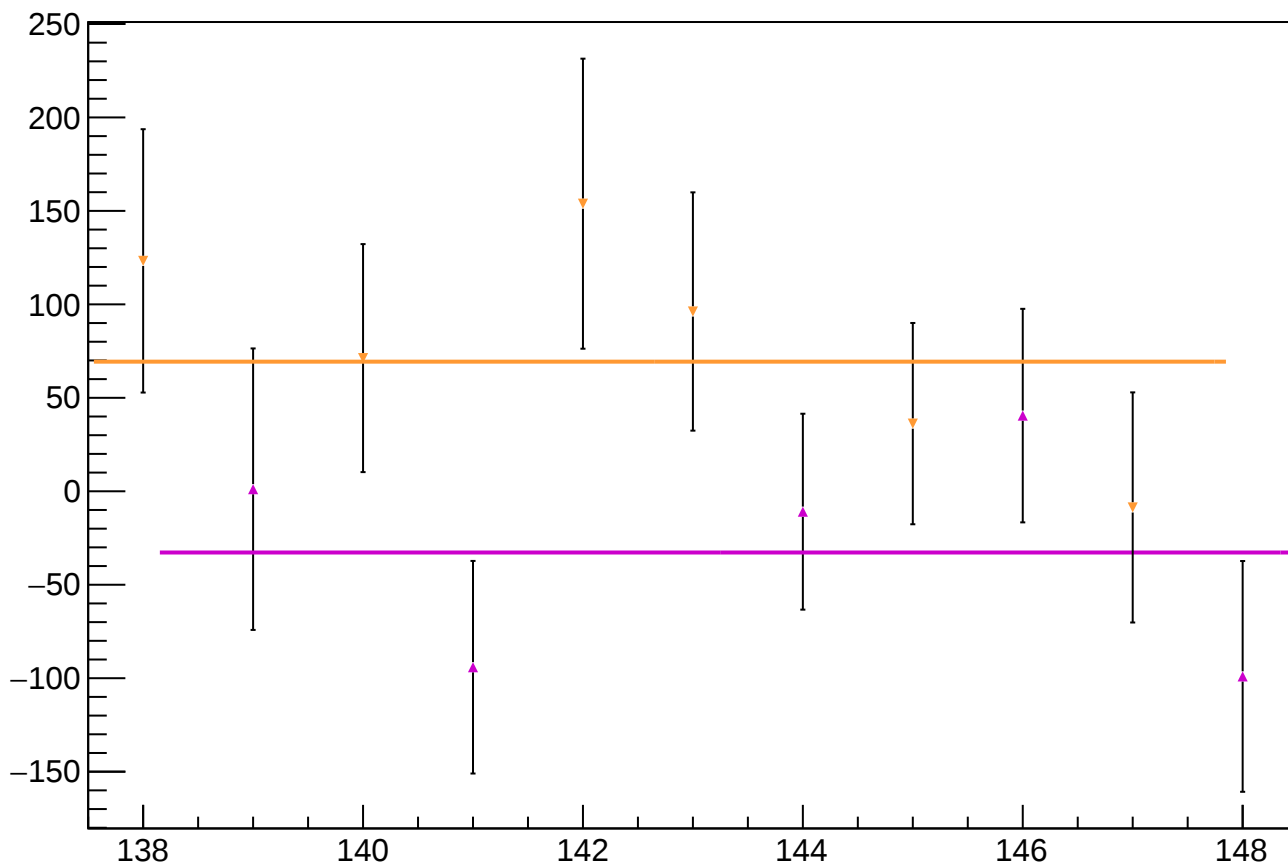
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 769.393+/-0.277 χ^2/NDF : 275866.4/4

779.201+/-0.276 χ^2/NDF : 282143.0/5

769.393+/-0.277 χ^2/NDF : 275866.4/4

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 69.347+/-25.893 χ^2/NDF : 3.9/5

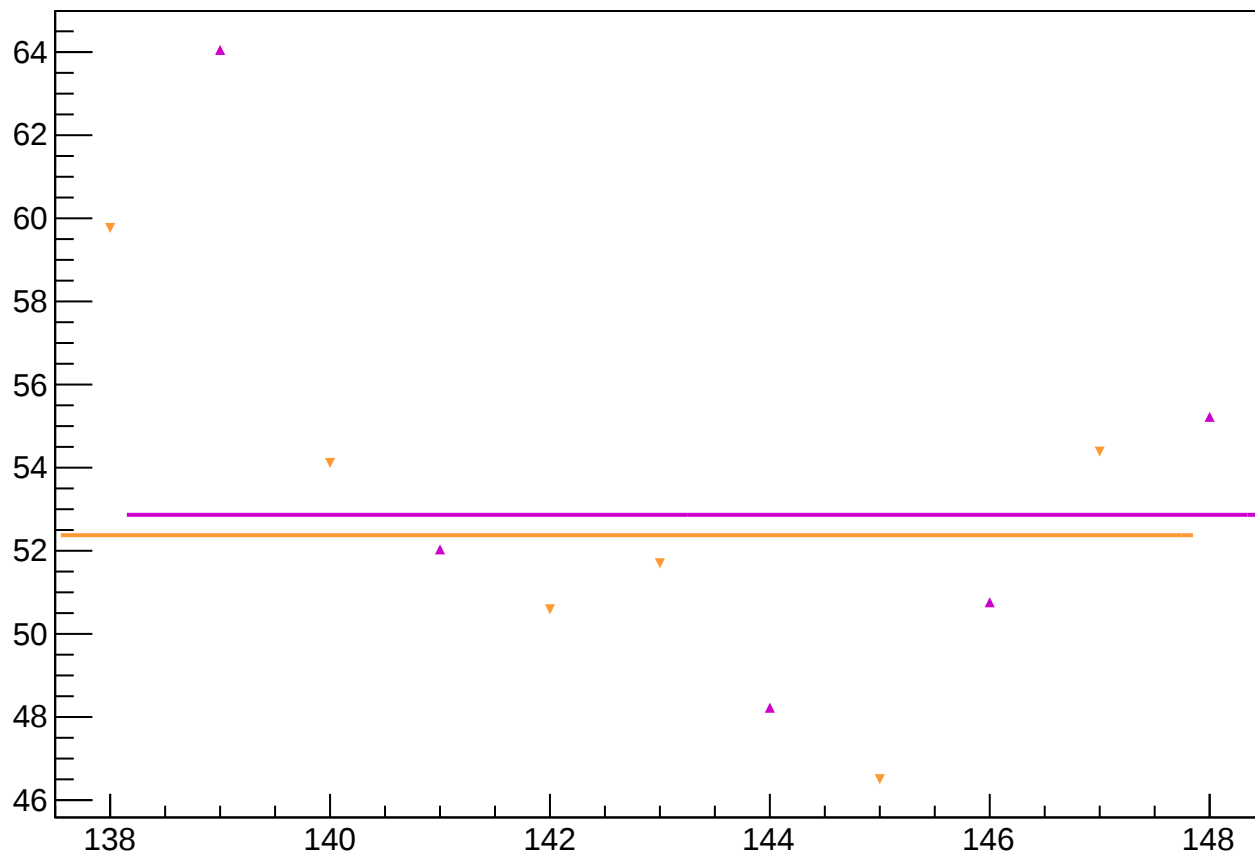
69.347+/-25.893 χ^2/NDF : 3.9/5

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

Left In: -32.751+/-26.548 χ^2/NDF : 4.3/4

-32.751+/-26.548 χ^2/NDF : 4.3/4

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 52.375+/-0.018 χ^2/NDF : 50851.5/5

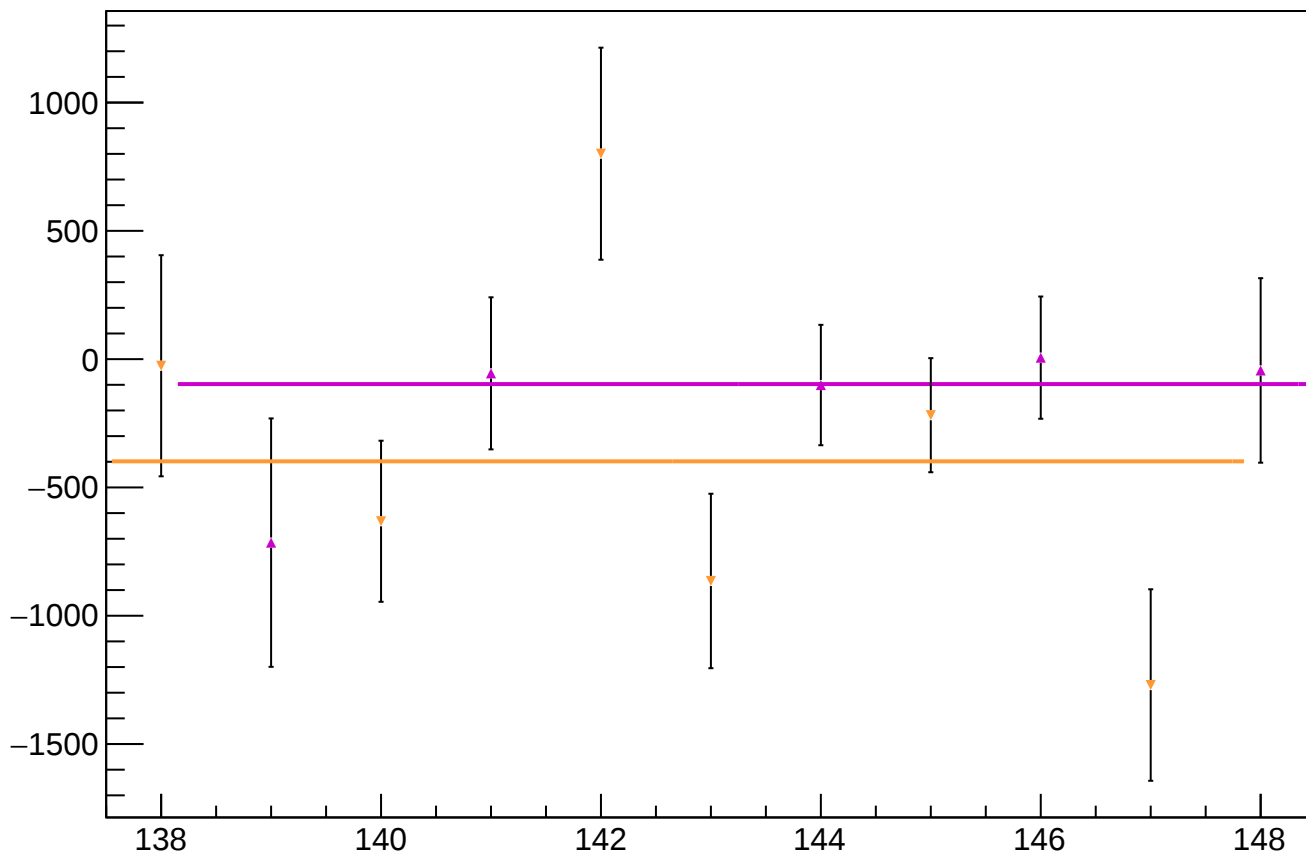
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 52.865+/-0.019 χ^2/NDF : 65908.6/4

52.375+/-0.018 χ^2/NDF : 50851.5/5

52.865+/-0.019 χ^2/NDF : 65908.6/4

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -398.199+/-131.920 χ^2/NDF : 17.7/5

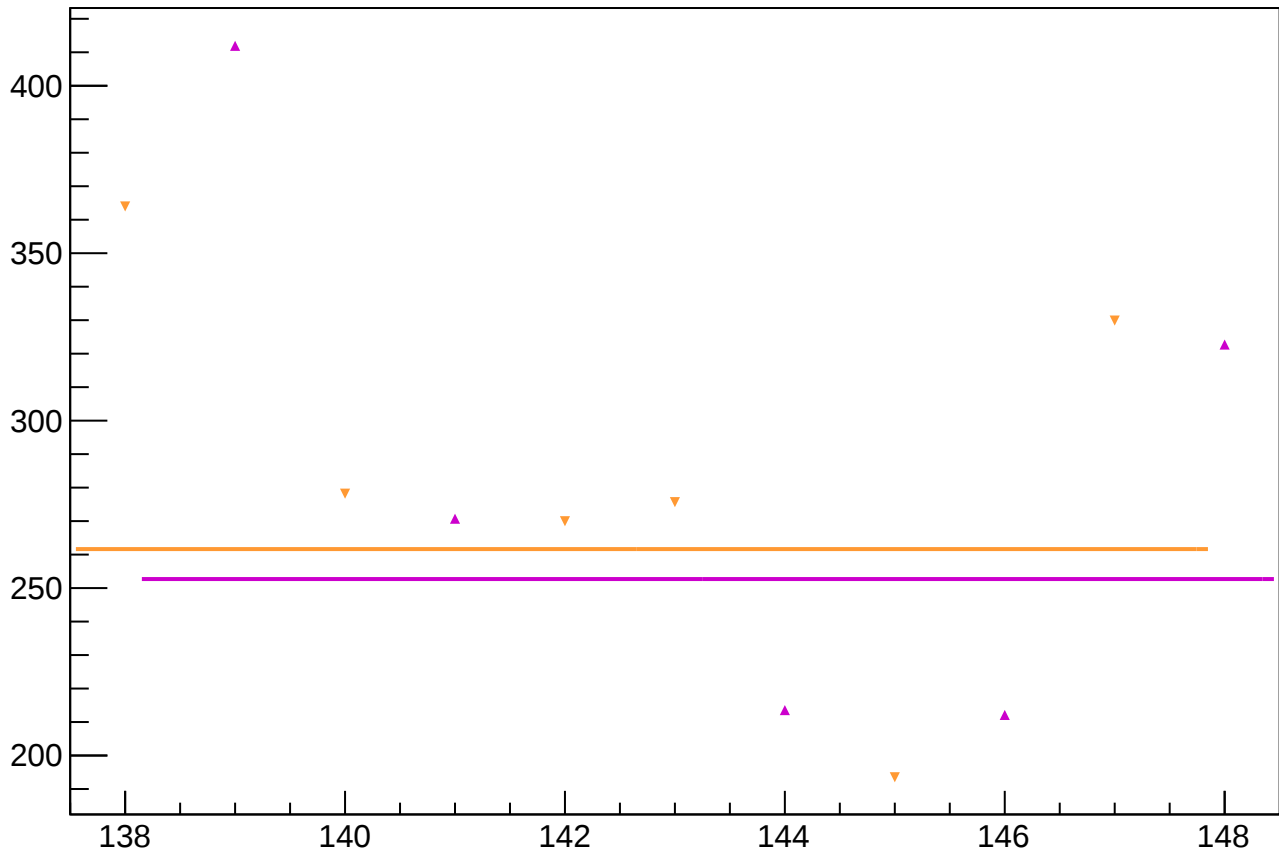
-398.199+/-131.920 χ^2/NDF : 17.7/5

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

-97.173+/-129.983 χ^2/NDF : 1.9/4

Left In: -97.173+/-129.983 χ^2/NDF : 1.9/4

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 261.645+/-0.093 χ^2/NDF : 377338.2/5

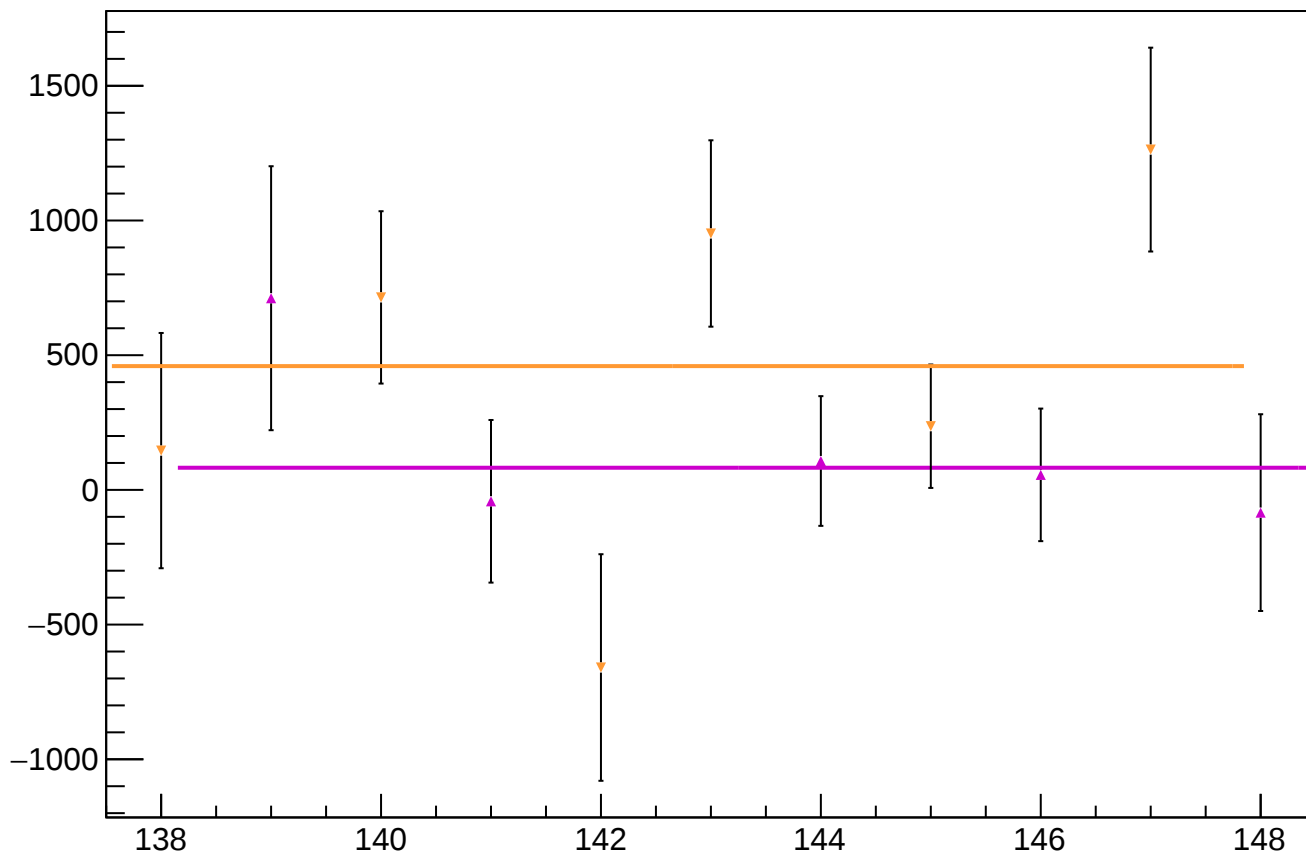
261.645+/-0.093 χ^2/NDF : 377338.2/5

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

252.698+/-0.092 χ^2/NDF : 413346.9/4

Left In: 252.698+/-0.092 χ^2/NDF : 413346.9/4

asym_sam_1526_avg_mean vs Slug



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

Left Out: 459.492+/-134.755 χ^2/NDF :15.7/5

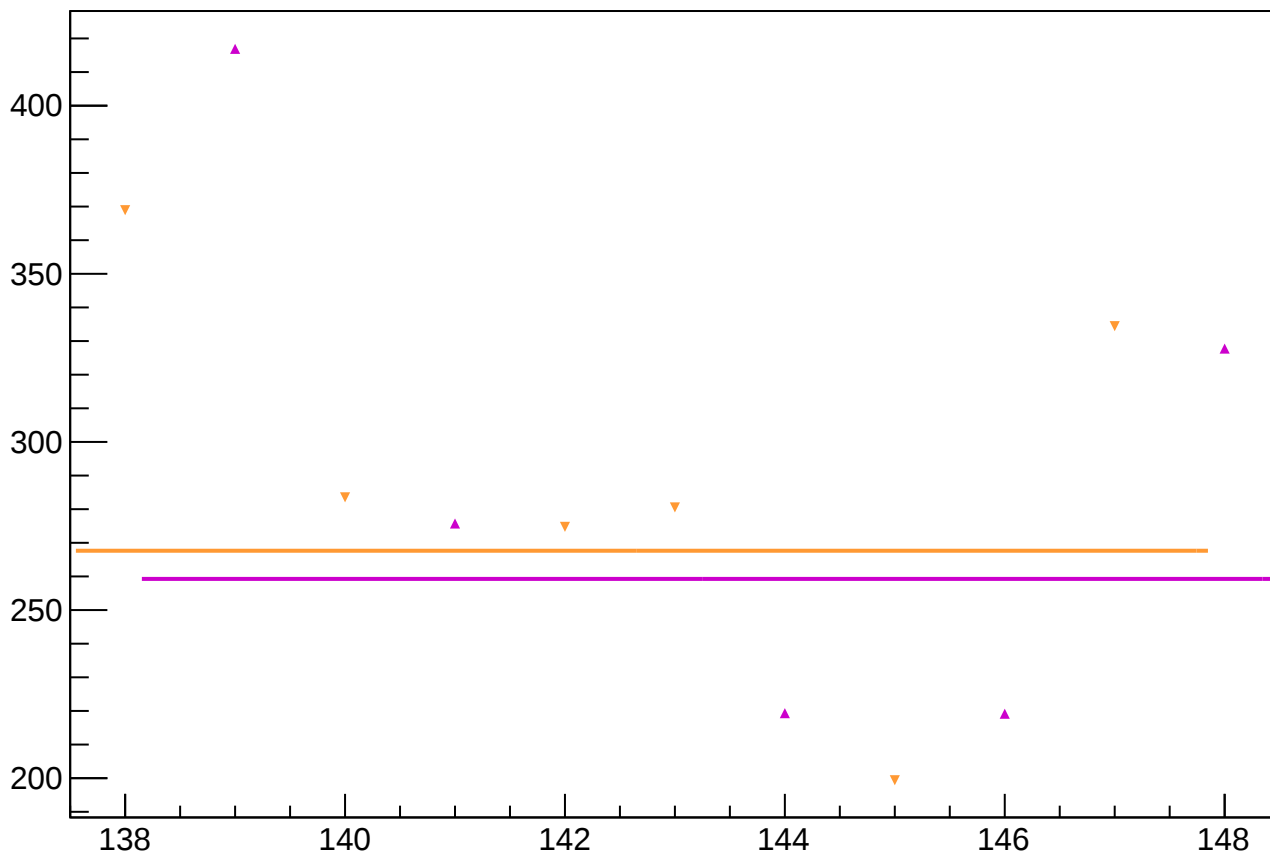
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 82.211+/-133.139 χ^2/NDF :2.1/4

459.492+/-134.755 χ^2/NDF : 15.7/5

82.211+/-133.139 χ^2/NDF : 2.1/4

asym_sam_1526_avg_rms vs Slug



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

Left Out: 267.644+/-0.095 χ^2/NDF : 355727.4/5

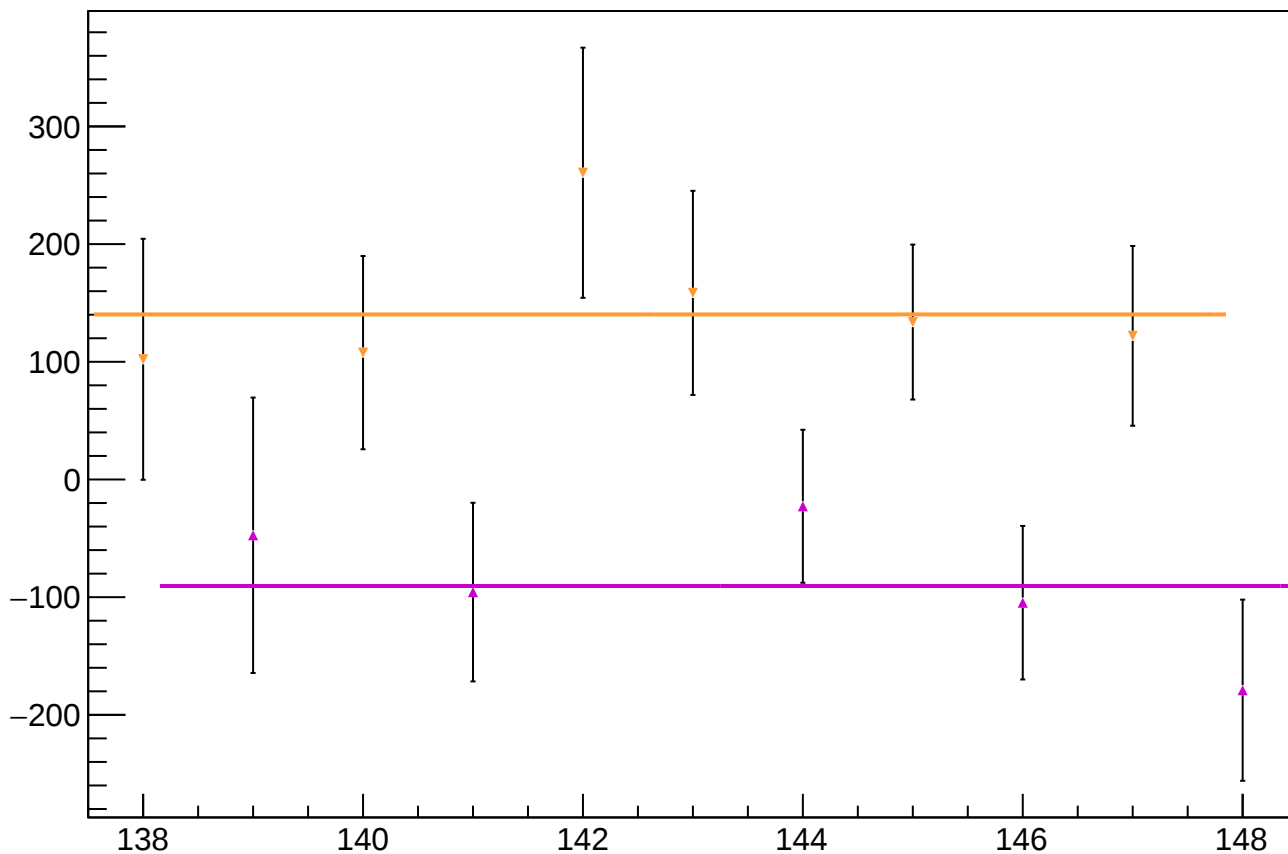
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 259.266+/-0.094 χ^2/NDF : 391516.7/4

267.644+/-0.095 χ^2/NDF : 355727.4/5

259.266+/-0.094 χ^2/NDF : 391516.7/4

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 140.270+/-33.952 χ^2/NDF : 1.7/5

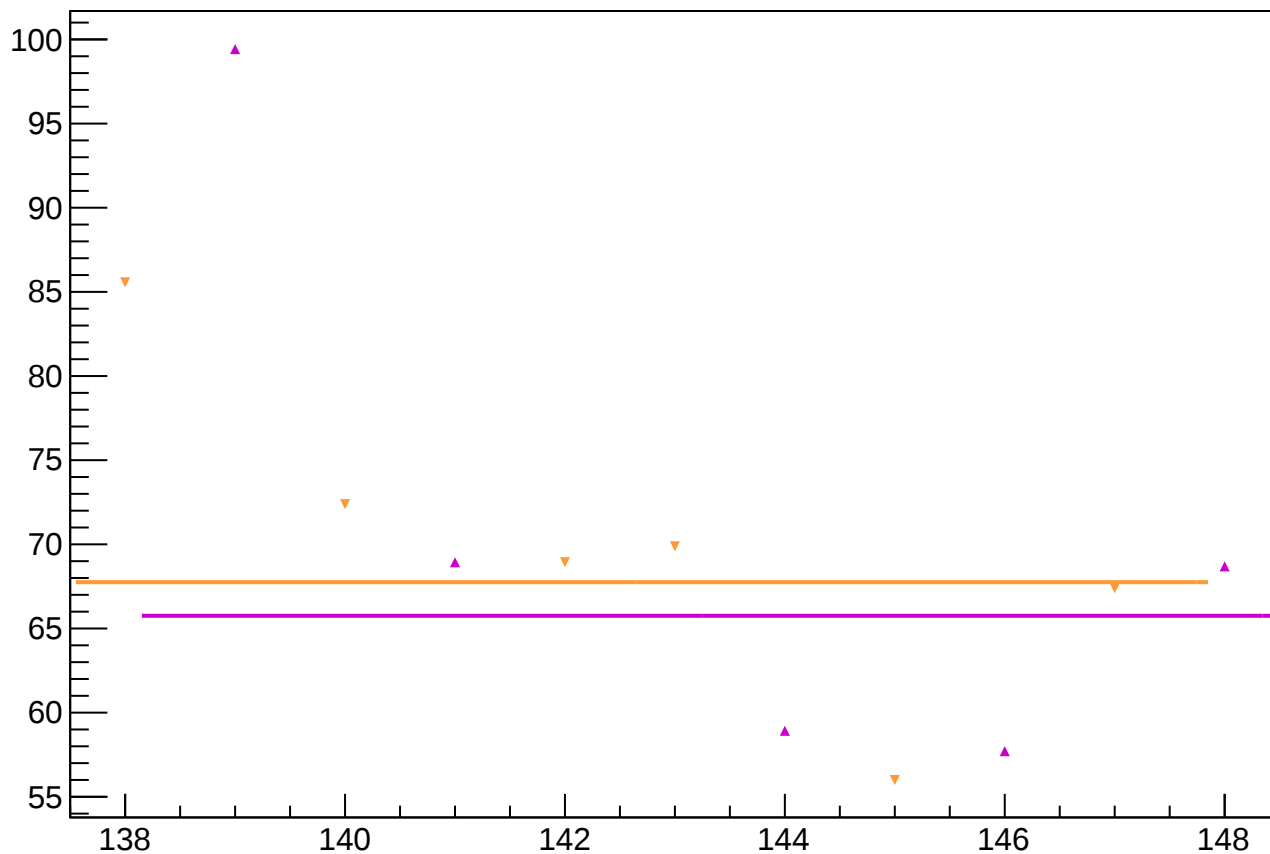
140.270+/-33.952 χ^2/NDF : 1.7/5

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

-90.513+/-33.576 χ^2/NDF : 2.6/4

Left In: -90.513+/-33.576 χ^2/NDF : 2.6/4

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 67.753+/-0.024 χ^2/NDF :132209.7/5

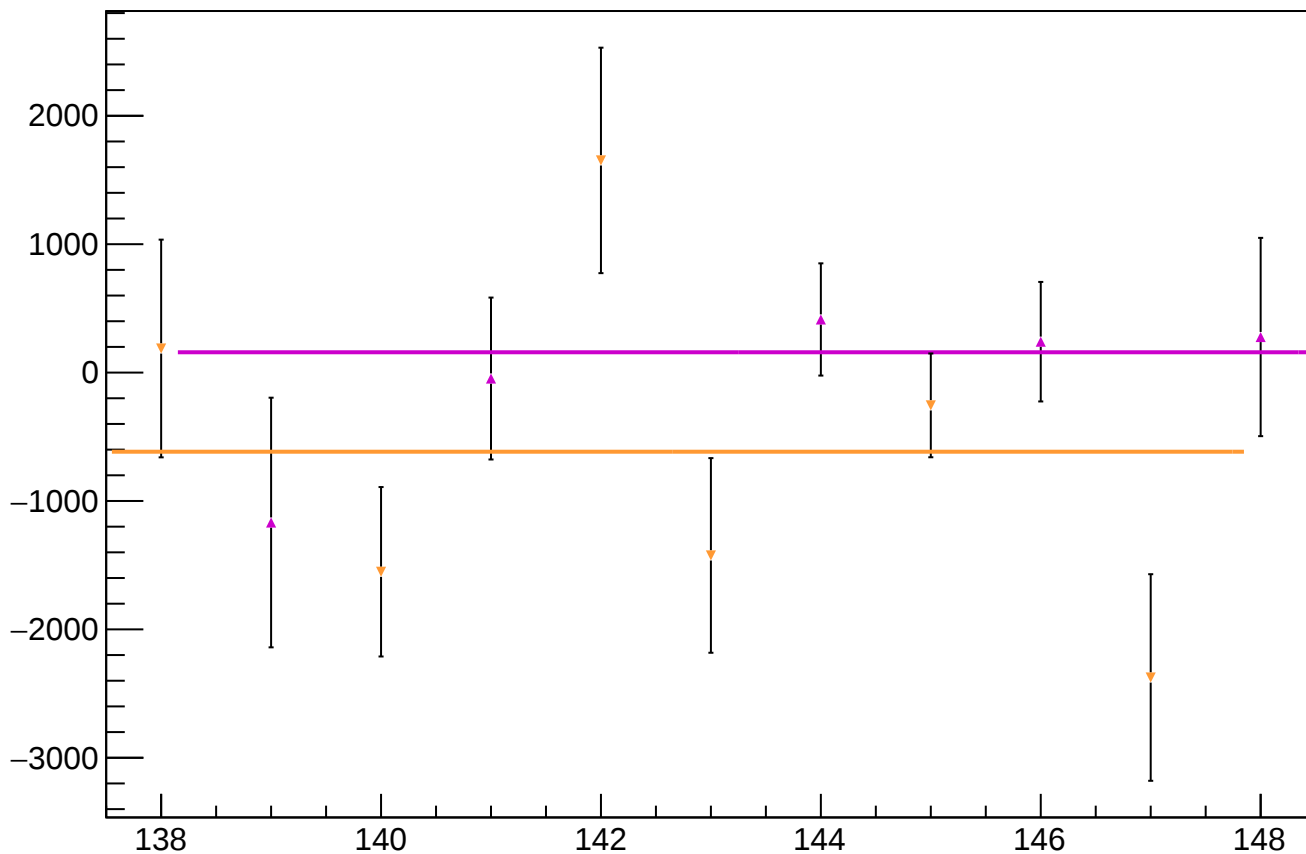
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 65.756+/-0.024 χ^2/NDF :224514.8/4

67.753+/-0.024 χ^2/NDF : 132209.7/5

65.756+/-0.024 χ^2/NDF : 224514.8/4

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -616.256 $\pm$ 263.605 χ^2 /NDF:16.3/5

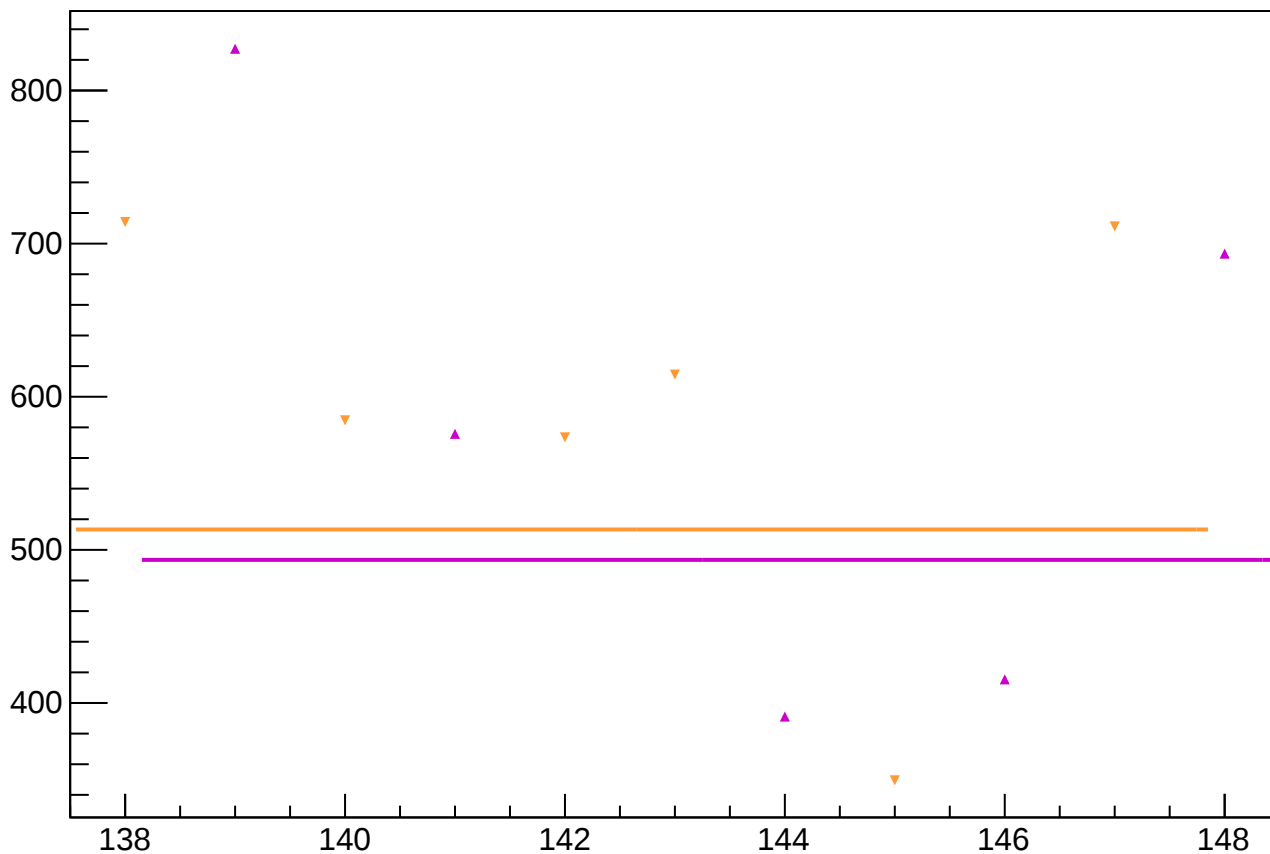
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 158.253 $\pm$ 257.340 χ^2 /NDF:2.4/4

-616.256 $\pm$ 263.605 χ^2 /NDF: 16.3/5

158.253 $\pm$ 257.340 χ^2 /NDF: 2.4/4

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 513.310+/-0.186 χ^2/NDF : 630177.8/5

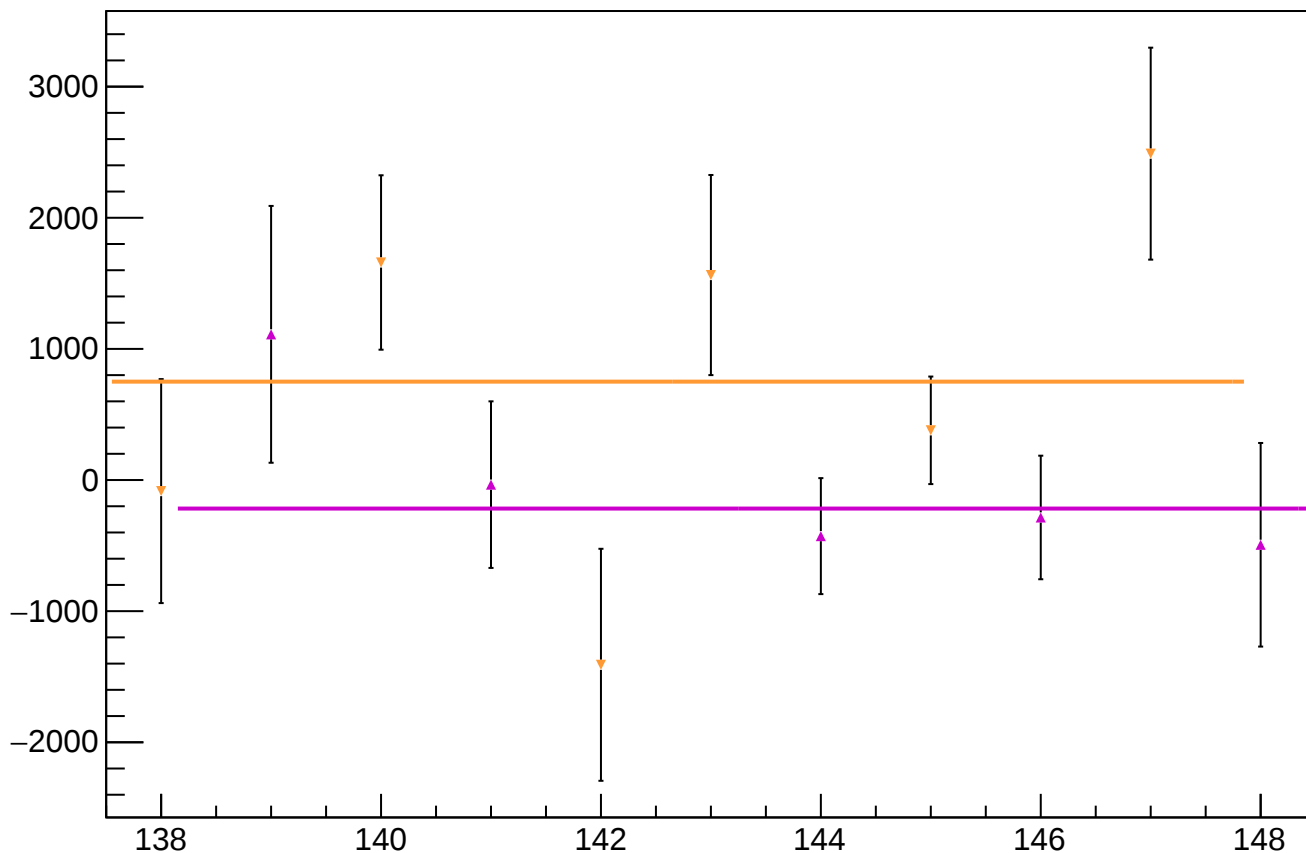
513.310+/-0.186 χ^2/NDF : 630177.8/5

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

493.459+/-0.182 χ^2/NDF : 569868.9/4

Left In: 493.459+/-0.182 χ^2/NDF : 569868.9/4

asym_sam_3726_avg_mean vs Slug



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

Left Out: 750.365+/-266.255 χ^2/NDF :15.4/5

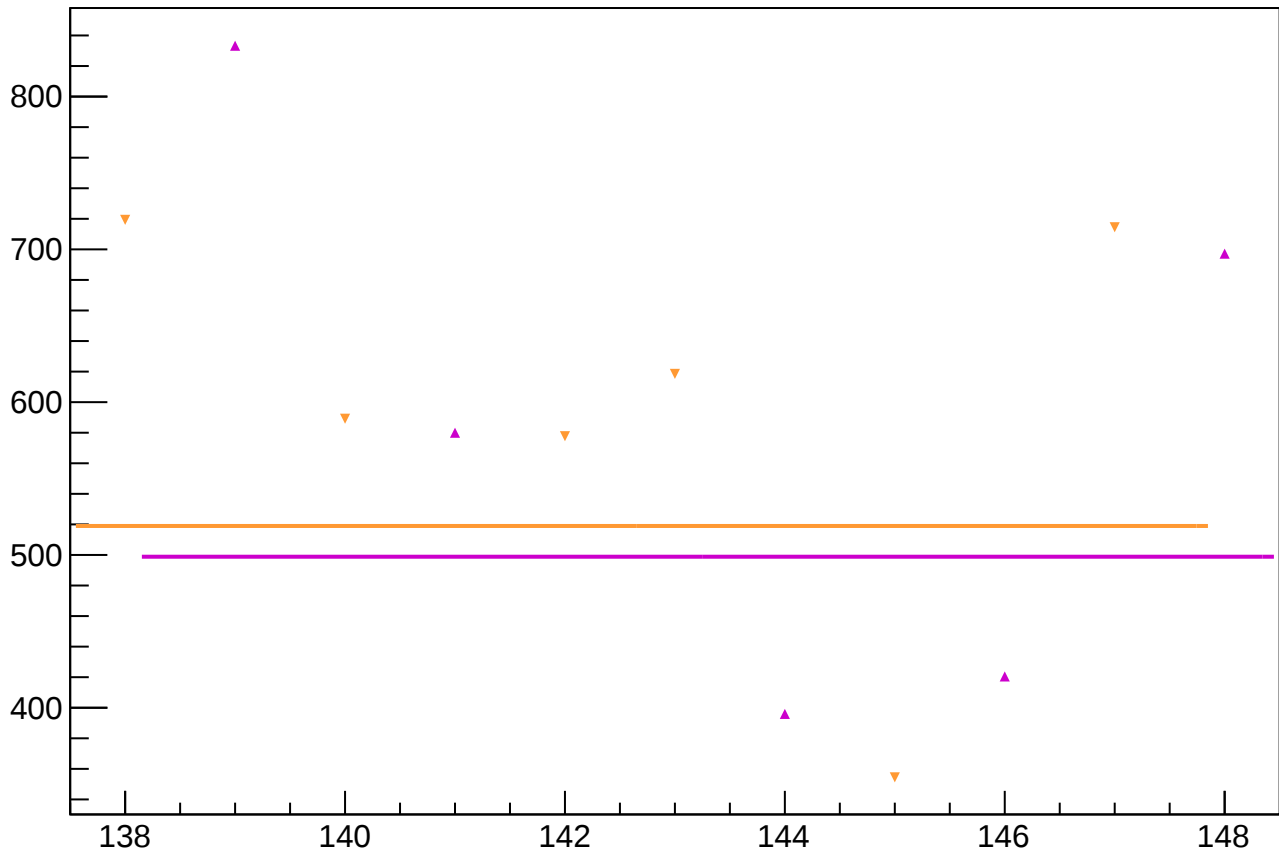
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -217.638+/-259.956 χ^2/NDF :2.3/4

750.365+/-266.255 χ^2/NDF : 15.4/5

-217.638+/-259.956 χ^2/NDF : 2.3/4

asym_sam_3726_avg_rms vs Slug



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

Left Out: 518.970+/-0.188 χ^2/NDF : 614213.5/5

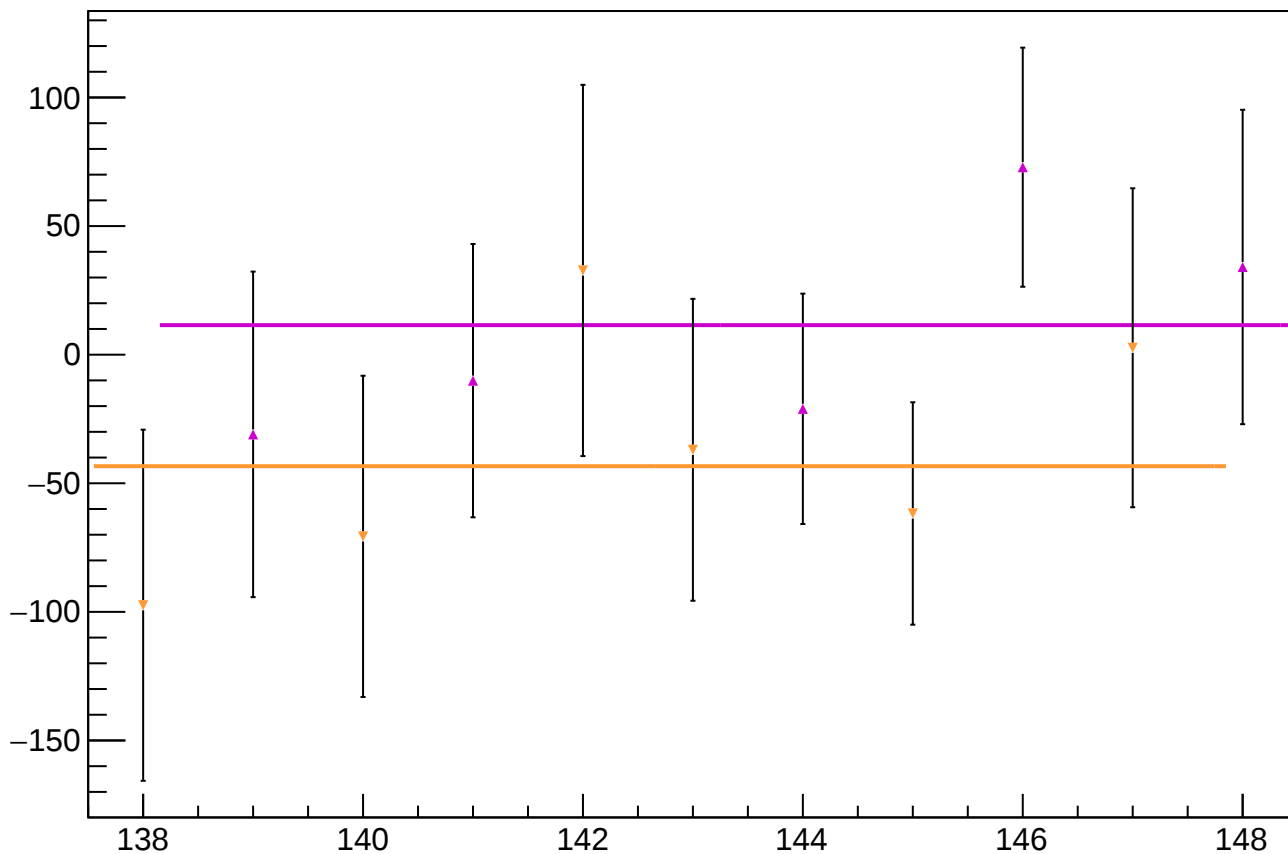
518.970+/-0.188 χ^2/NDF : 614213.5/5

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

498.849+/-0.184 χ^2/NDF : 559965.4/4

Left In: 498.849+/-0.184 χ^2/NDF : 559965.4/4

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -43.357+/-23.917 χ^2/NDF : 2.7/5

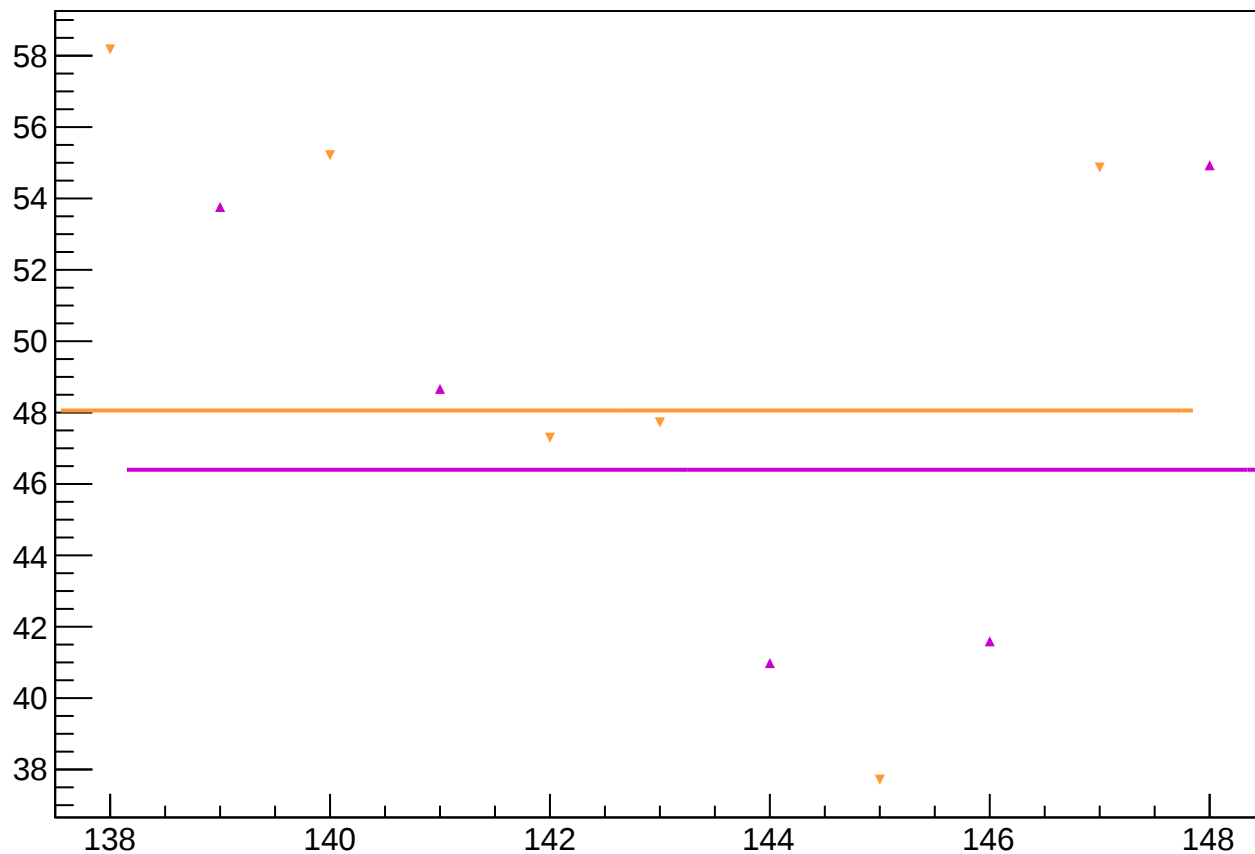
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 11.487+/-23.358 χ^2/NDF : 3.0/4

-43.357+/-23.917 χ^2/NDF : 2.7/5

11.487+/-23.358 χ^2/NDF : 3.0/4

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 48.059+/-0.017 χ^2/NDF : 209051.5/5

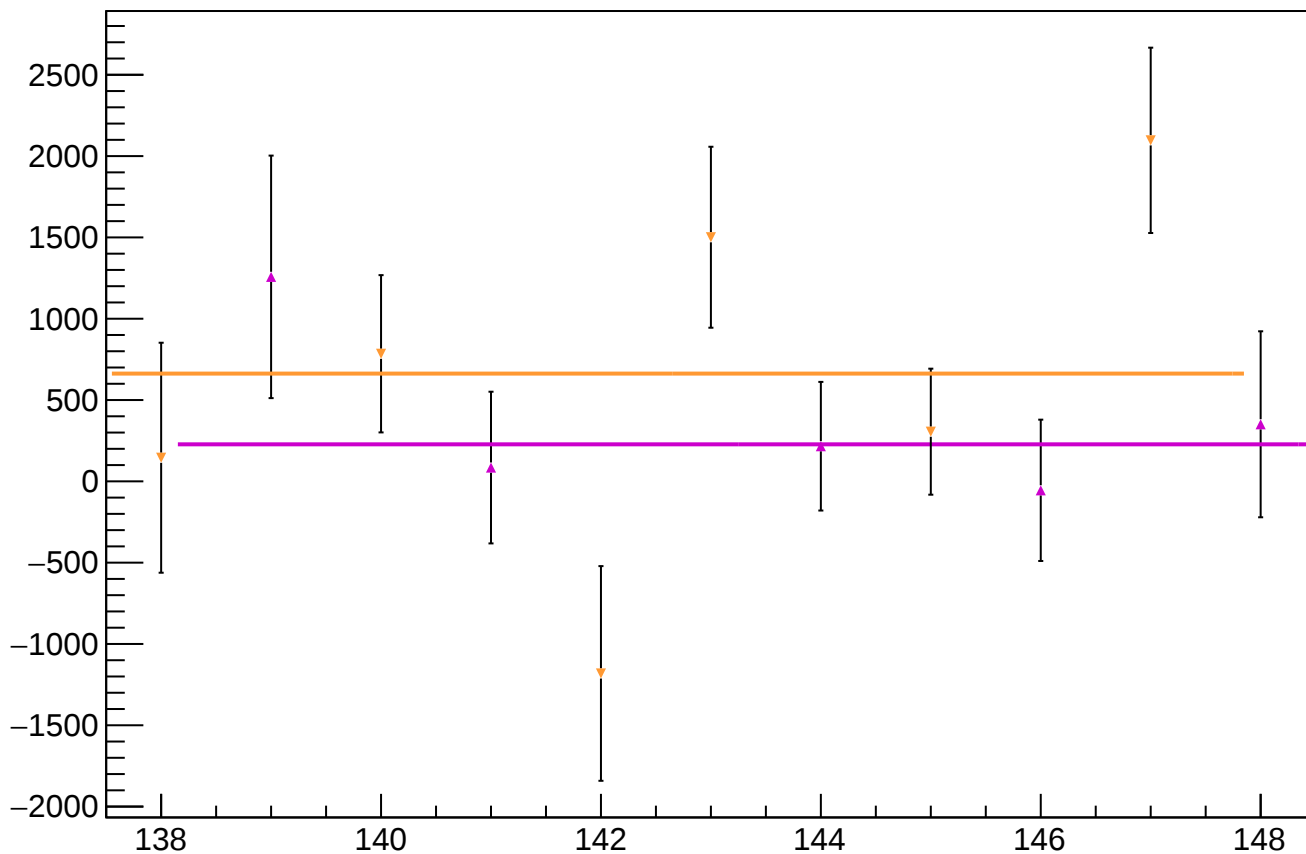
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 46.398+/-0.017 χ^2/NDF : 120311.9/4

48.059+/-0.017 χ^2/NDF : 209051.5/5

46.398+/-0.017 χ^2/NDF : 120311.9/4

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 662.602+/-215.455 χ^2/NDF : 17.9/5

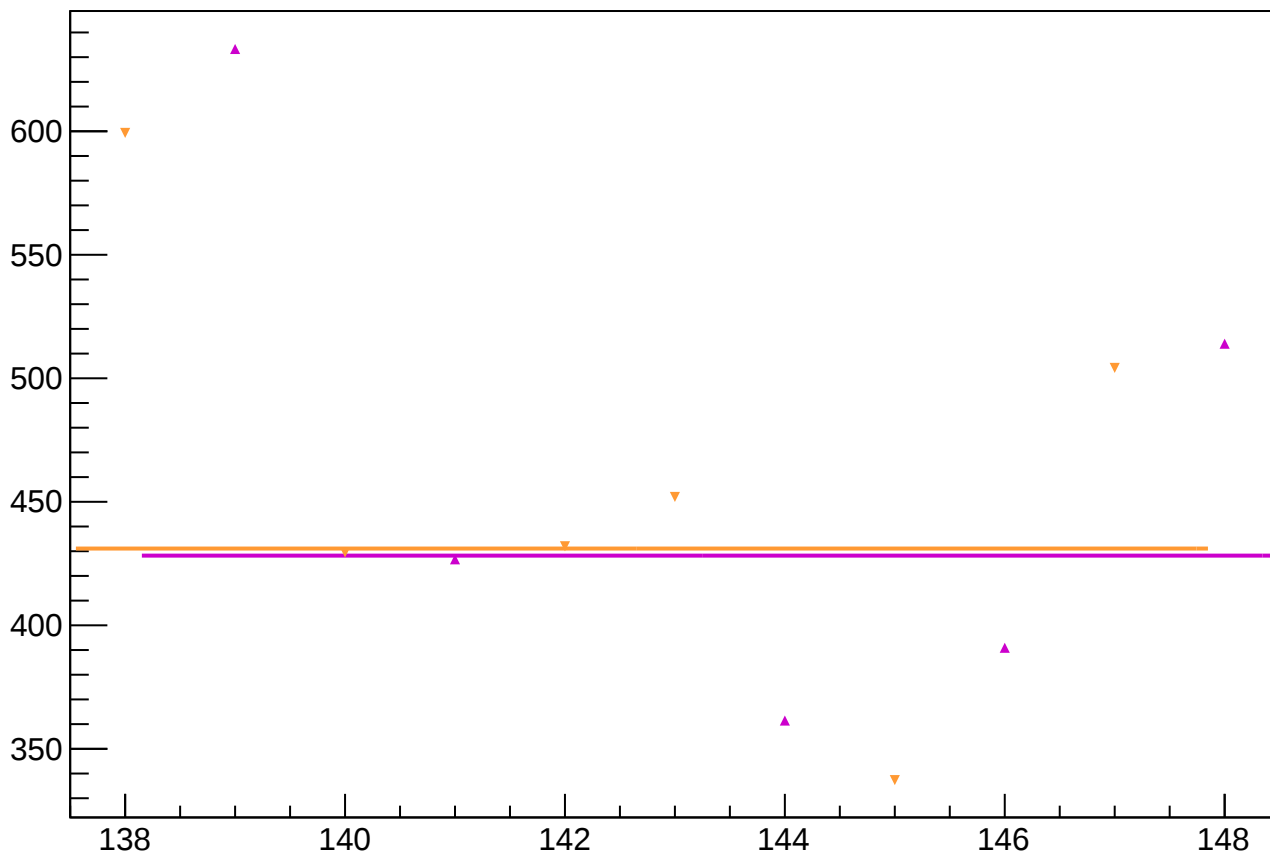
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 227.617+/-217.476 χ^2/NDF : 2.5/4

662.602+/-215.455 χ^2/NDF : 17.9/5

227.617+/-217.476 χ^2/NDF : 2.5/4

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 431.079+/-0.152 χ^2/NDF : 266098.0/5

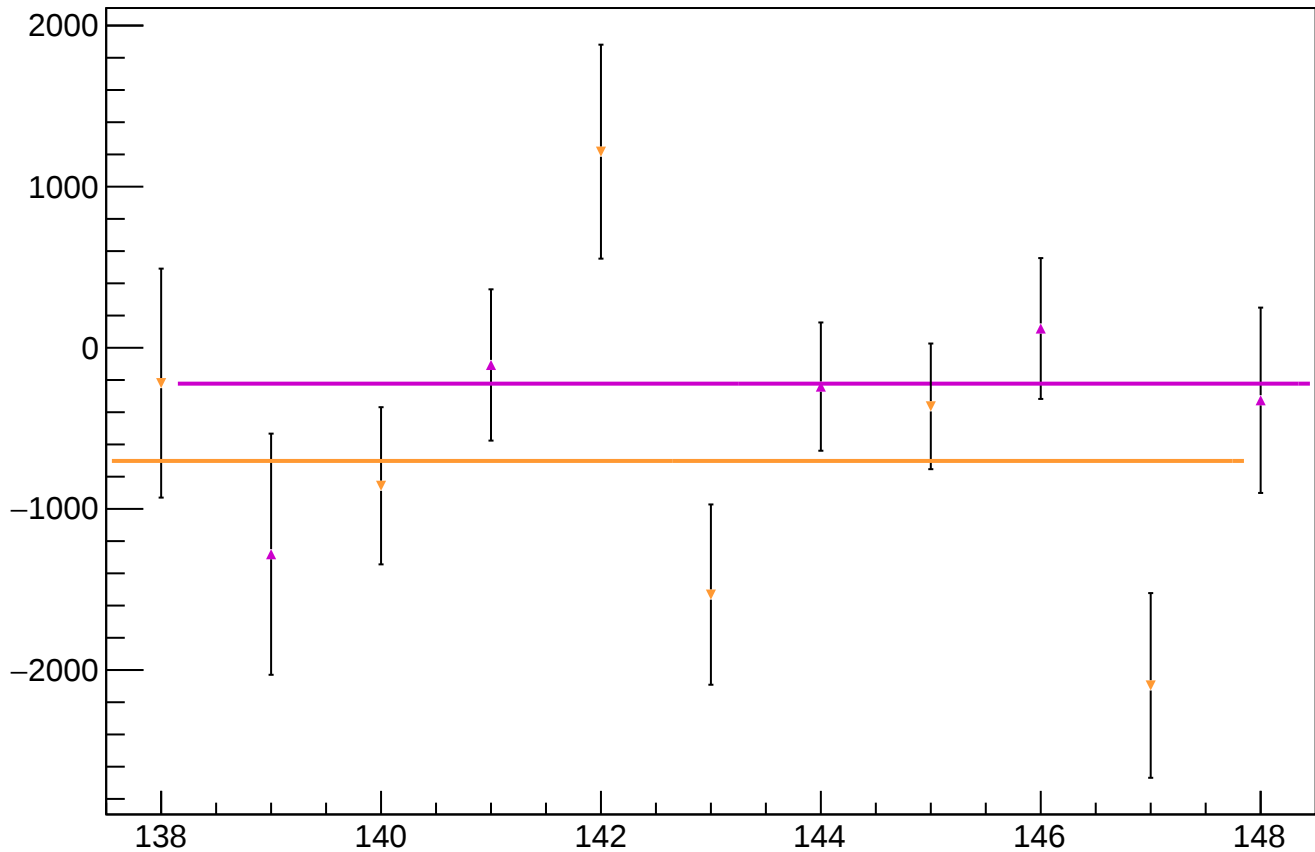
431.079+/-0.152 χ^2/NDF : 266098.0/5

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

428.217+/-0.154 χ^2/NDF : 268087.7/4

Left In: 428.217+/-0.154 χ^2/NDF : 268087.7/4

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -702.316+/-216.849 χ^2/NDF : 17.8/5

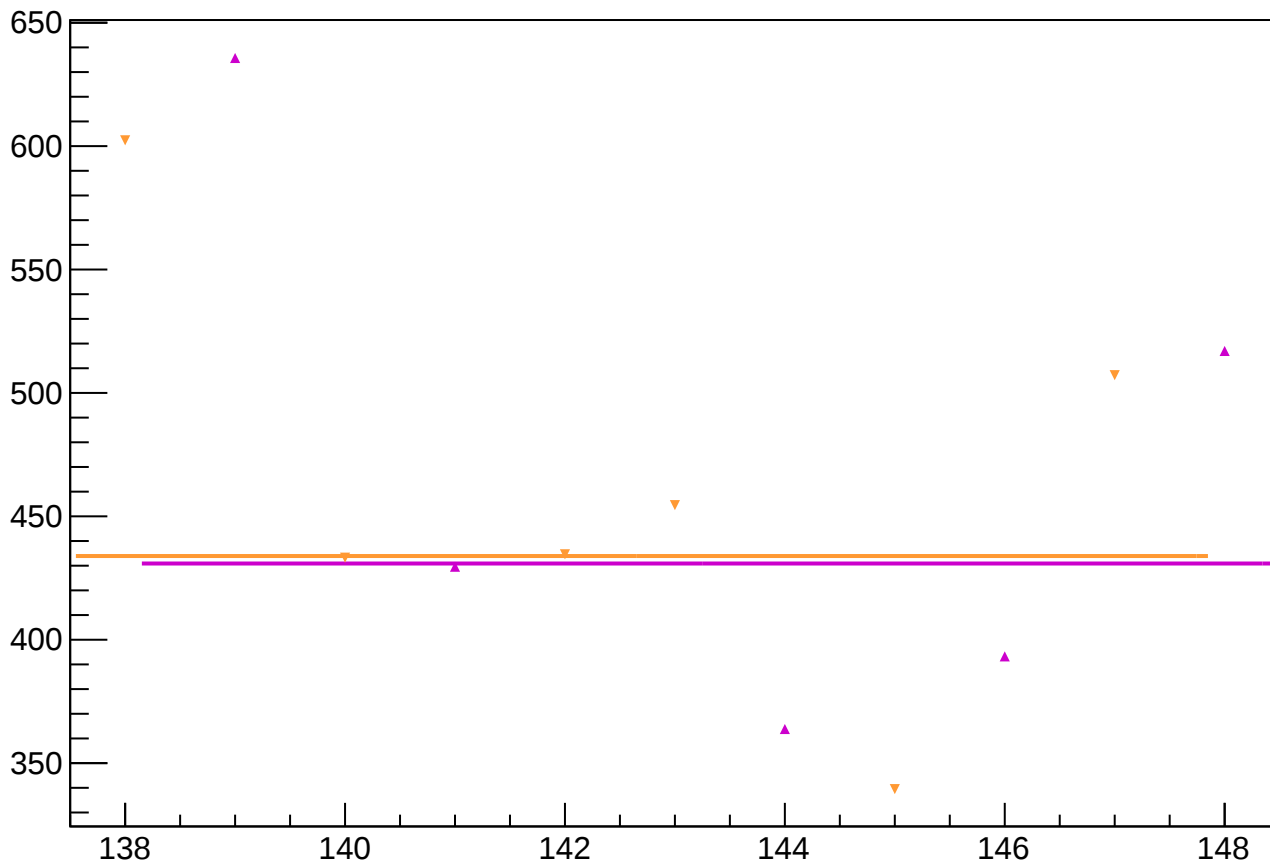
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -222.635+/-218.799 χ^2/NDF : 2.7/4

-702.316+/-216.849 χ^2/NDF : 17.8/5

-222.635+/-218.799 χ^2/NDF : 2.7/4

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 433.915+/-0.153 χ^2/NDF : 265109.6/5

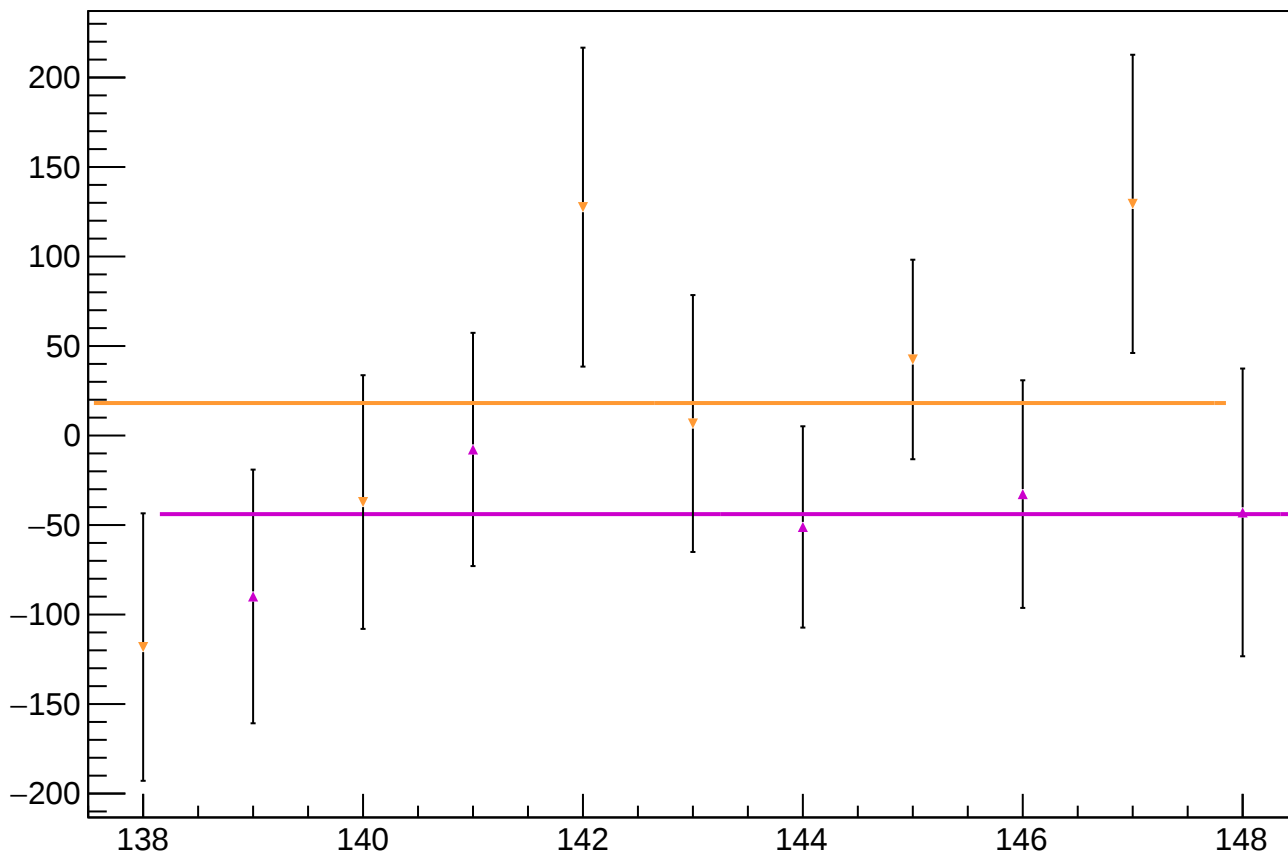
433.915+/-0.153 χ^2/NDF : 265109.6/5

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

430.886+/-0.155 χ^2/NDF : 266223.4/4

Left In: 430.886+/-0.155 χ^2/NDF : 266223.4/4

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 18.150+/-29.302 χ^2/NDF : 7.4/5

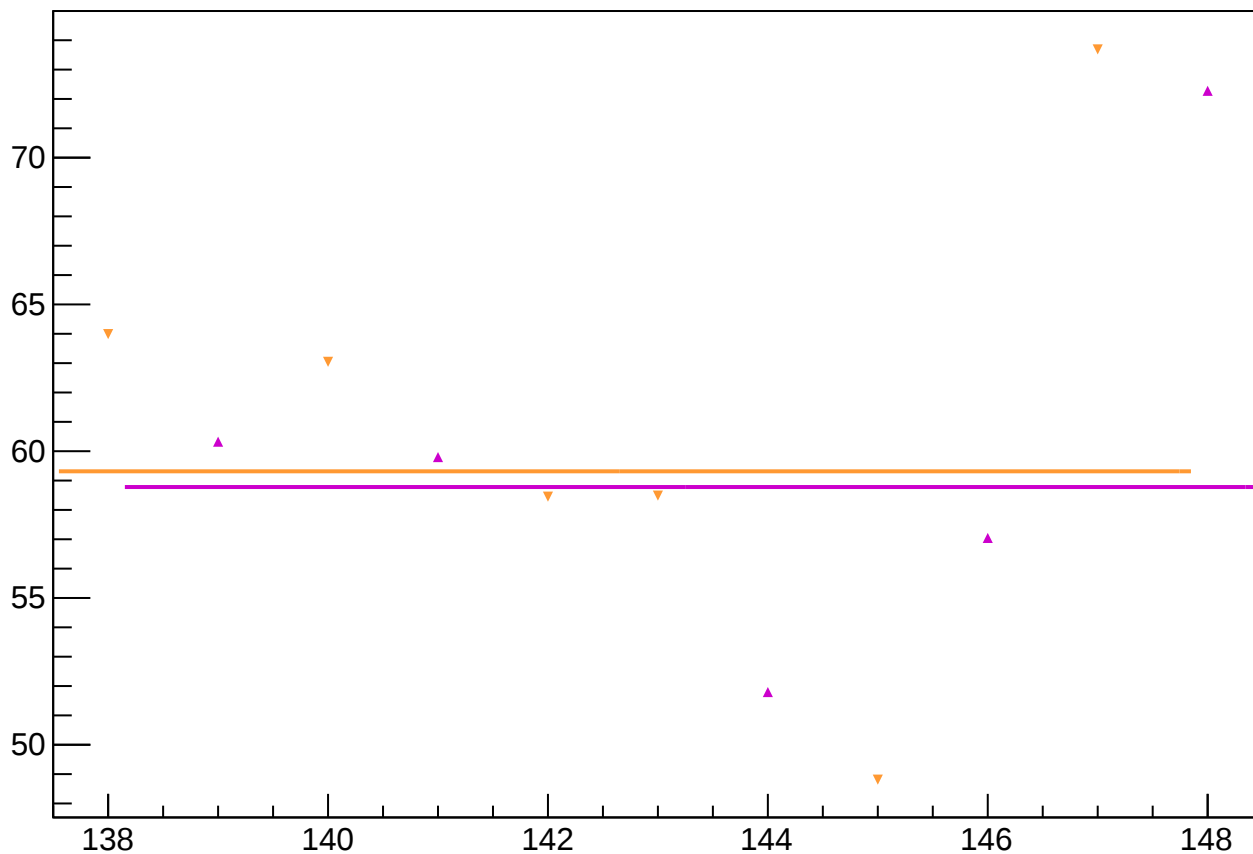
18.150+/-29.302 χ^2/NDF : 7.4/5

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

-43.904+/-29.446 χ^2/NDF : 0.8/4

Left In: -43.904+/-29.446 χ^2/NDF : 0.8/4

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 59.315+/-0.021 χ^2/NDF : 144428.3/5

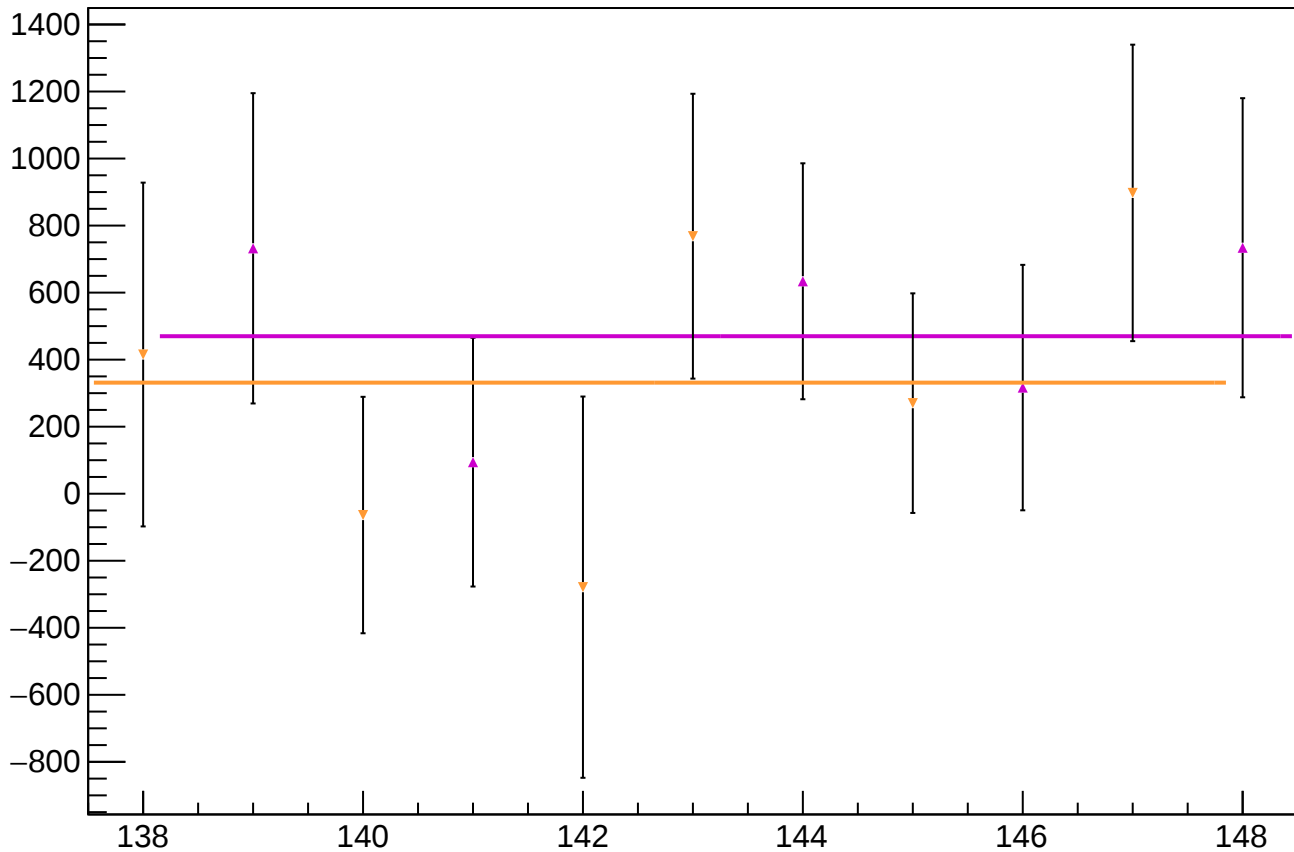
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 58.780+/-0.021 χ^2/NDF : 90203.5/4

59.315+/-0.021 χ^2/NDF : 144428.3/5

58.780+/-0.021 χ^2/NDF : 90203.5/4

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 331.415+/-169.275 χ^2/NDF : 5.2/5

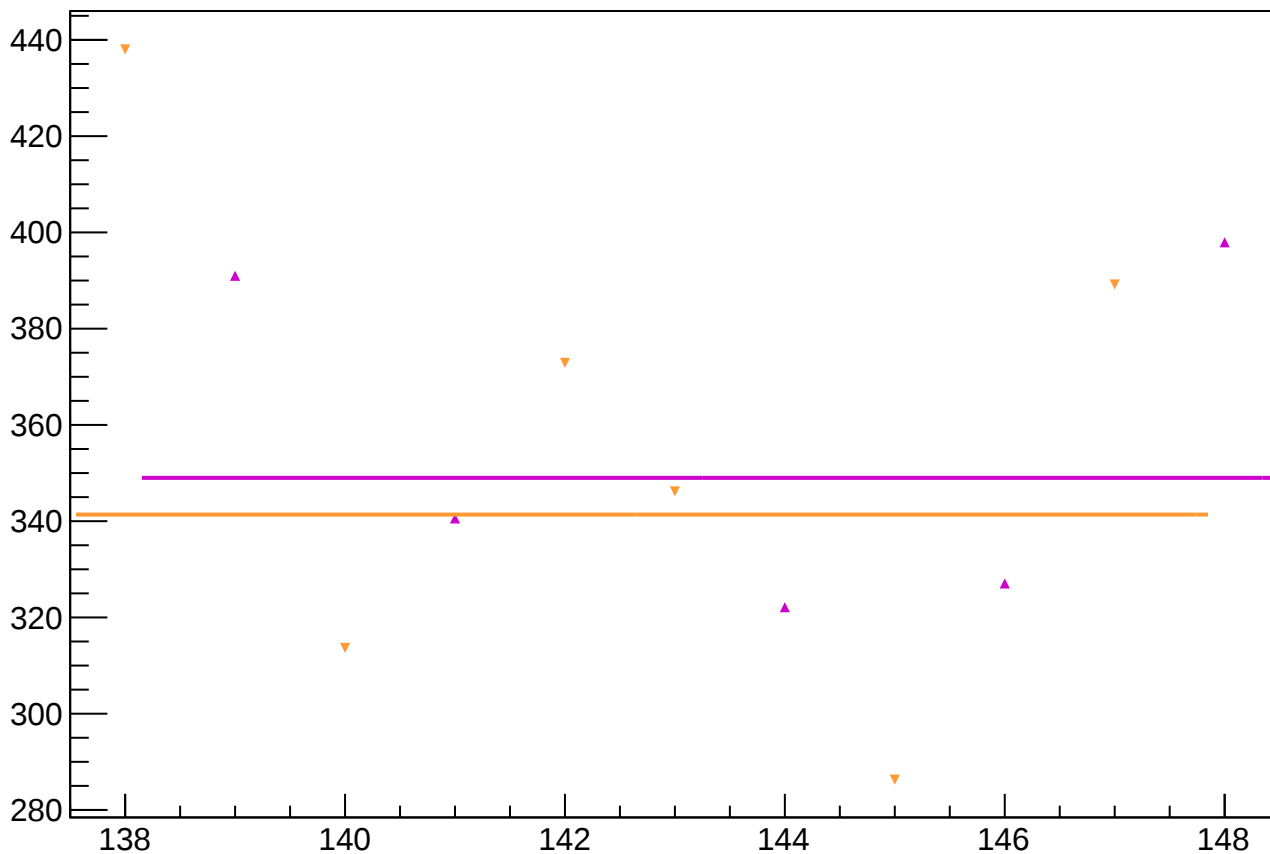
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 469.918+/-175.456 χ^2/NDF : 2.1/4

331.415+/-169.275 χ^2/NDF : 5.2/5

469.918+/-175.456 χ^2/NDF : 2.1/4

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 341.373+/-0.120 χ^2/NDF :169674.7/5

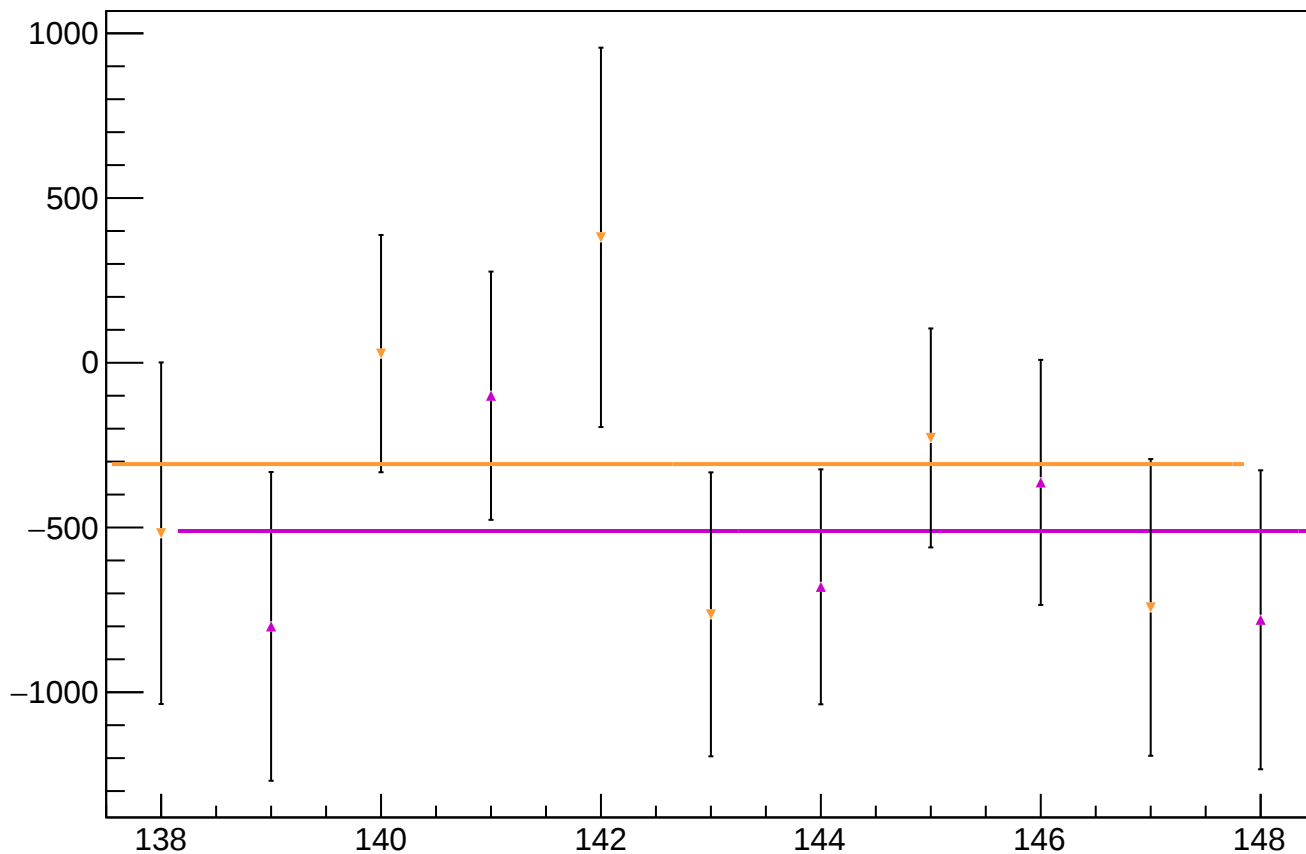
341.373+/-0.120 χ^2/NDF : 169674.7/5

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

349.003+/-0.124 χ^2/NDF : 60389.5/4

Left In: 349.003+/-0.124 χ^2/NDF :60389.5/4

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -307.505+/-171.952 χ^2/NDF : 4.6/5

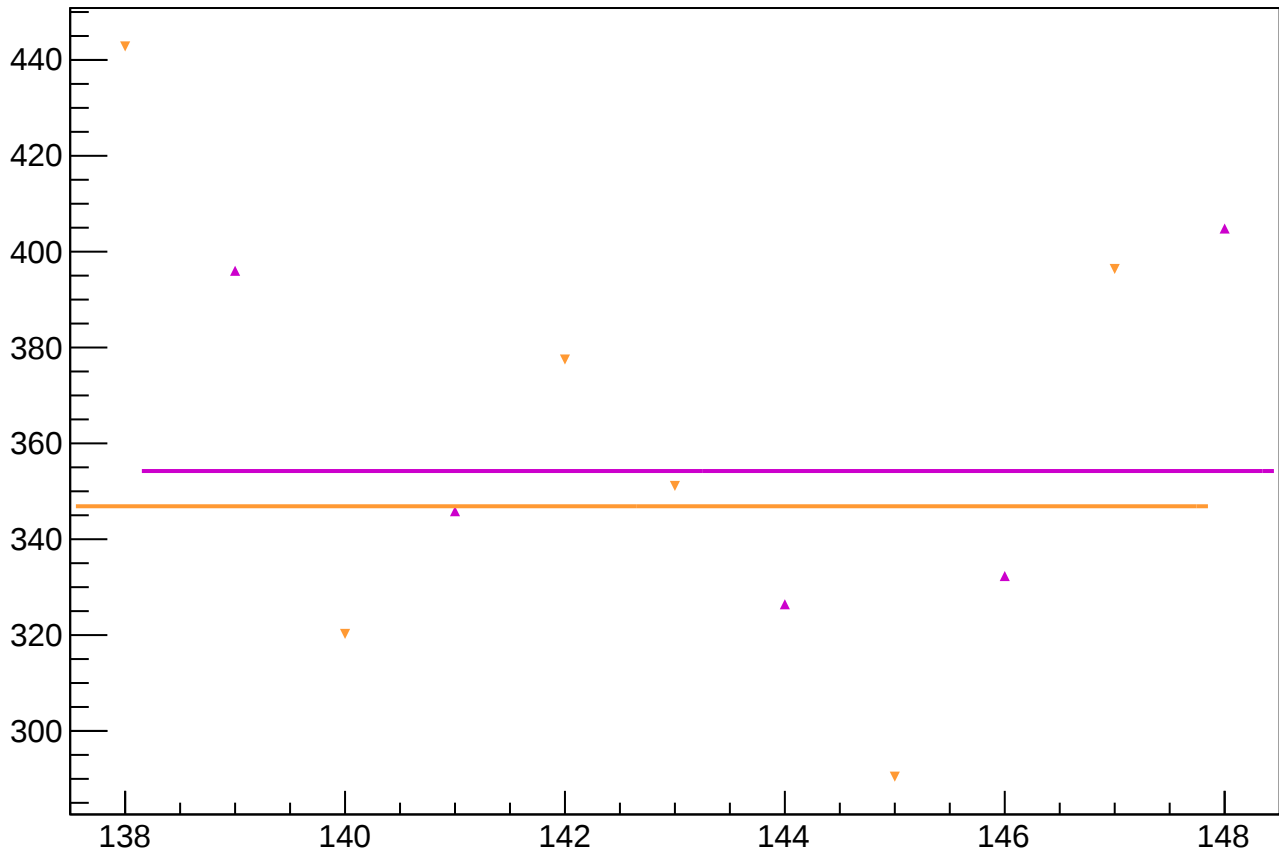
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -510.644+/-178.039 χ^2/NDF : 2.3/4

-307.505+/-171.952 χ^2/NDF : 4.6/5

-510.644+/-178.039 χ^2/NDF : 2.3/4

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 346.877+/-0.122 χ^2/NDF : 167110.8/5

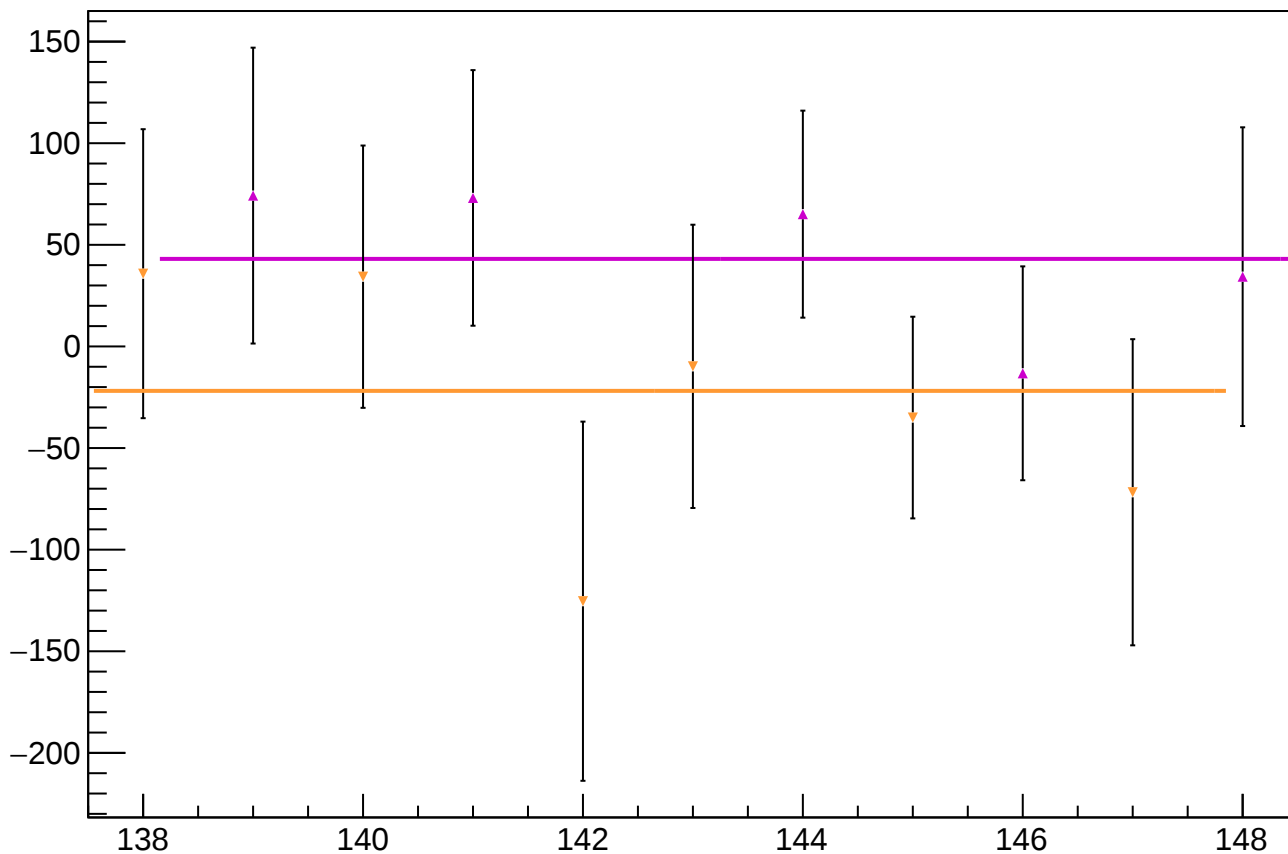
346.877+/-0.122 χ^2/NDF : 167110.8/5

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

354.231+/-0.126 χ^2/NDF : 60854.6/4

Left In: 354.231+/-0.126 χ^2/NDF : 60854.6/4

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: -21.864+/-27.173 χ^2/NDF : 3.3/5

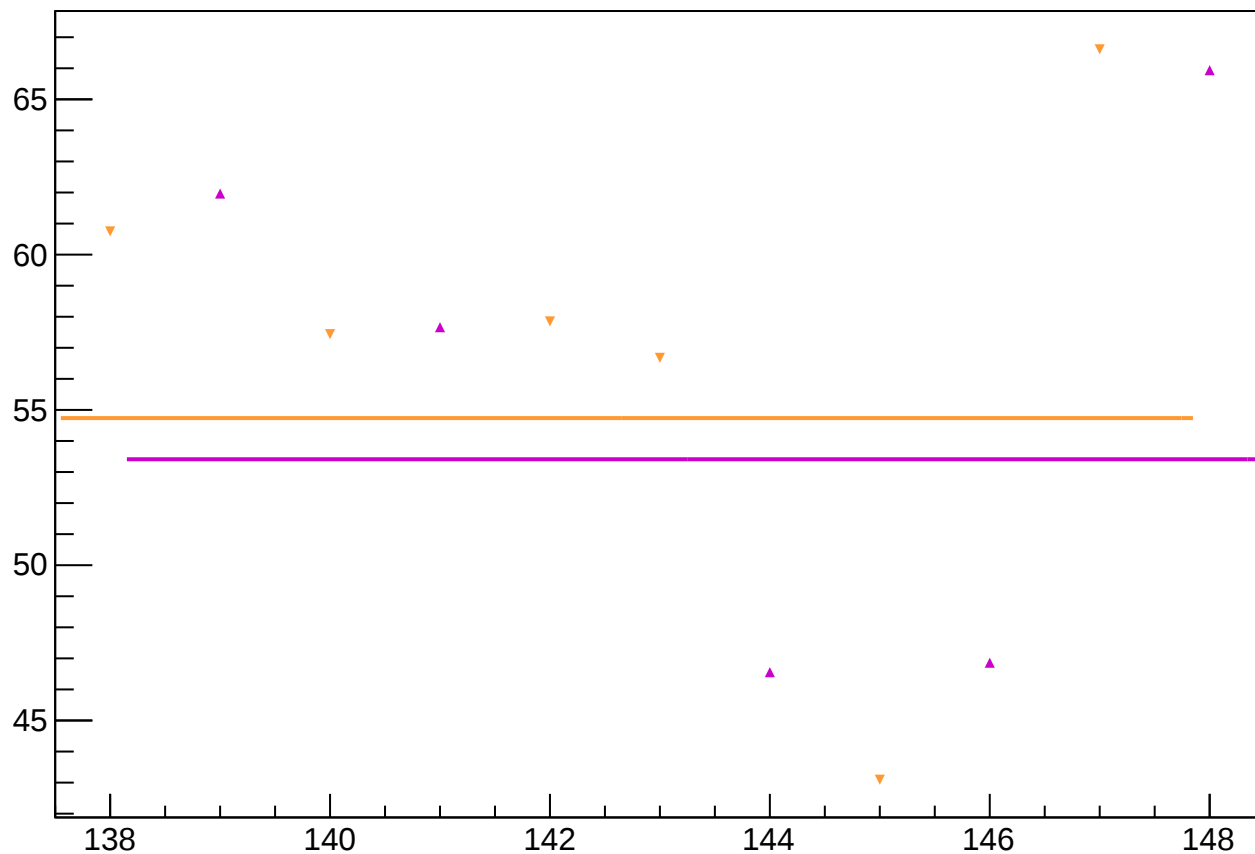
-21.864+/-27.173 χ^2/NDF : 3.3/5

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

43.077+/-26.984 χ^2/NDF : 1.8/4

Left In: 43.077+/-26.984 χ^2/NDF : 1.8/4

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 54.736+/-0.019 χ^2/NDF :181659.7/5

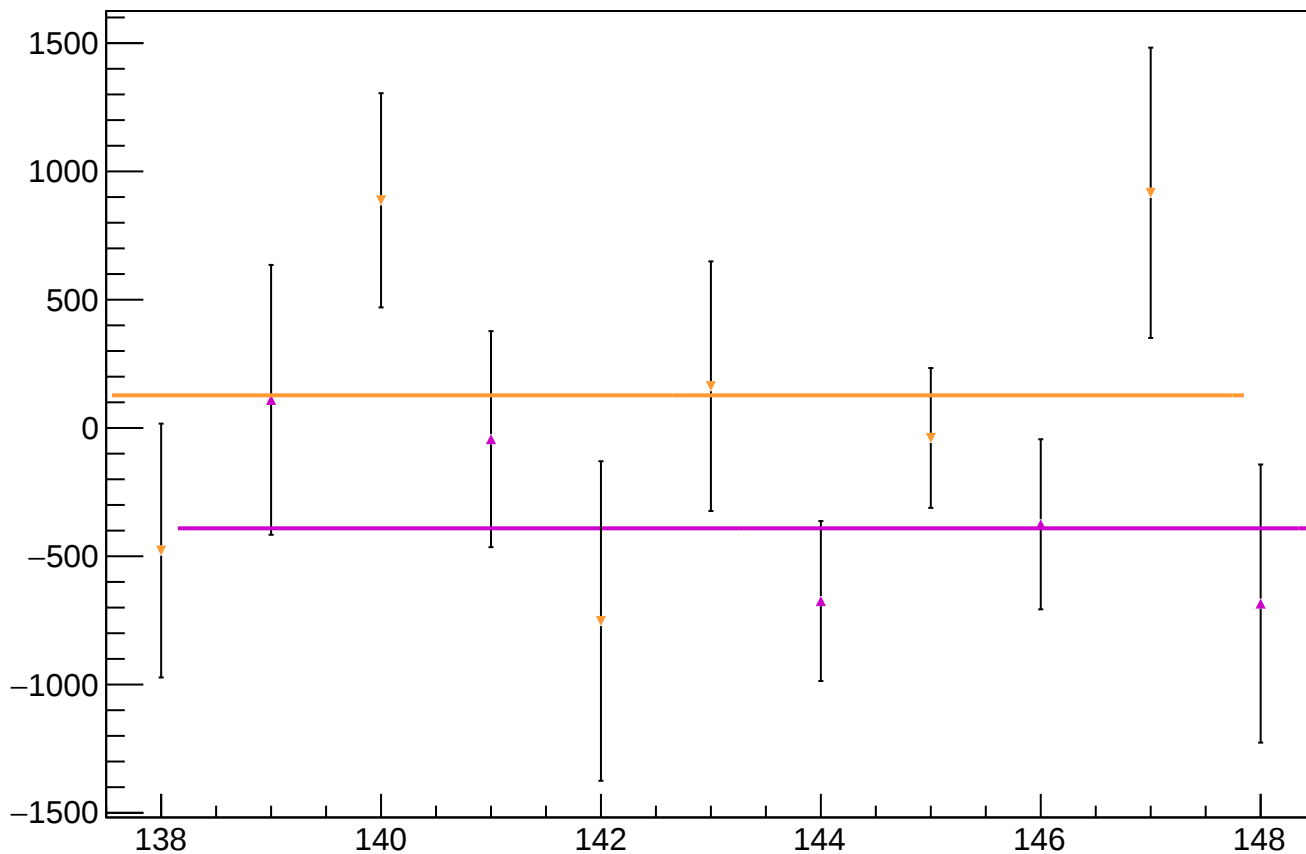
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 53.411+/-0.019 χ^2/NDF :162107.1/4

54.736+/-0.019 χ^2/NDF : 181659.7/5

53.411+/-0.019 χ^2/NDF : 162107.1/4

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 127.333+/-173.503 χ^2/NDF : 9.1/5

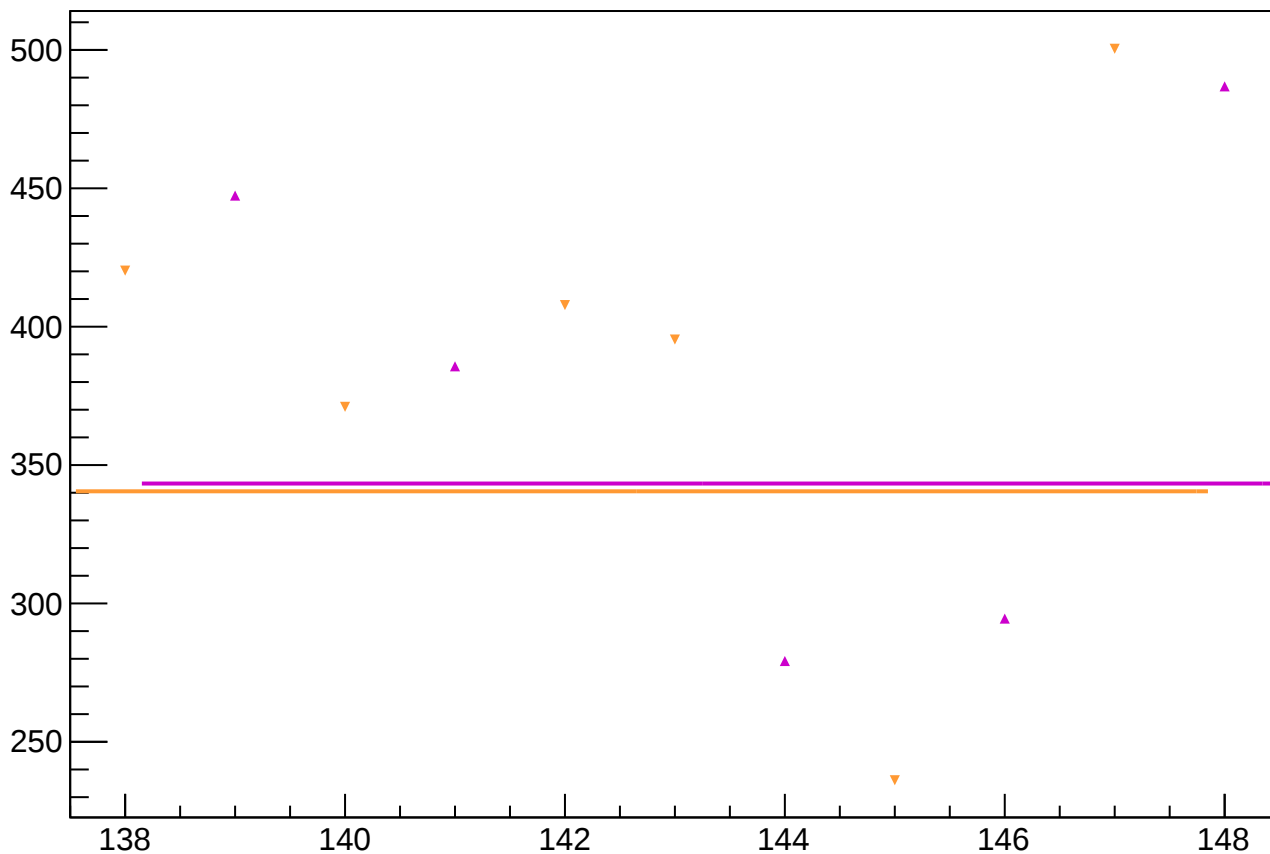
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -391.111+/-176.660 χ^2/NDF : 2.7/4

127.333+/-173.503 χ^2/NDF : 9.1/5

-391.111+/-176.660 χ^2/NDF : 2.7/4

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 340.519+/-0.123 χ^2/NDF : 564812.8/5

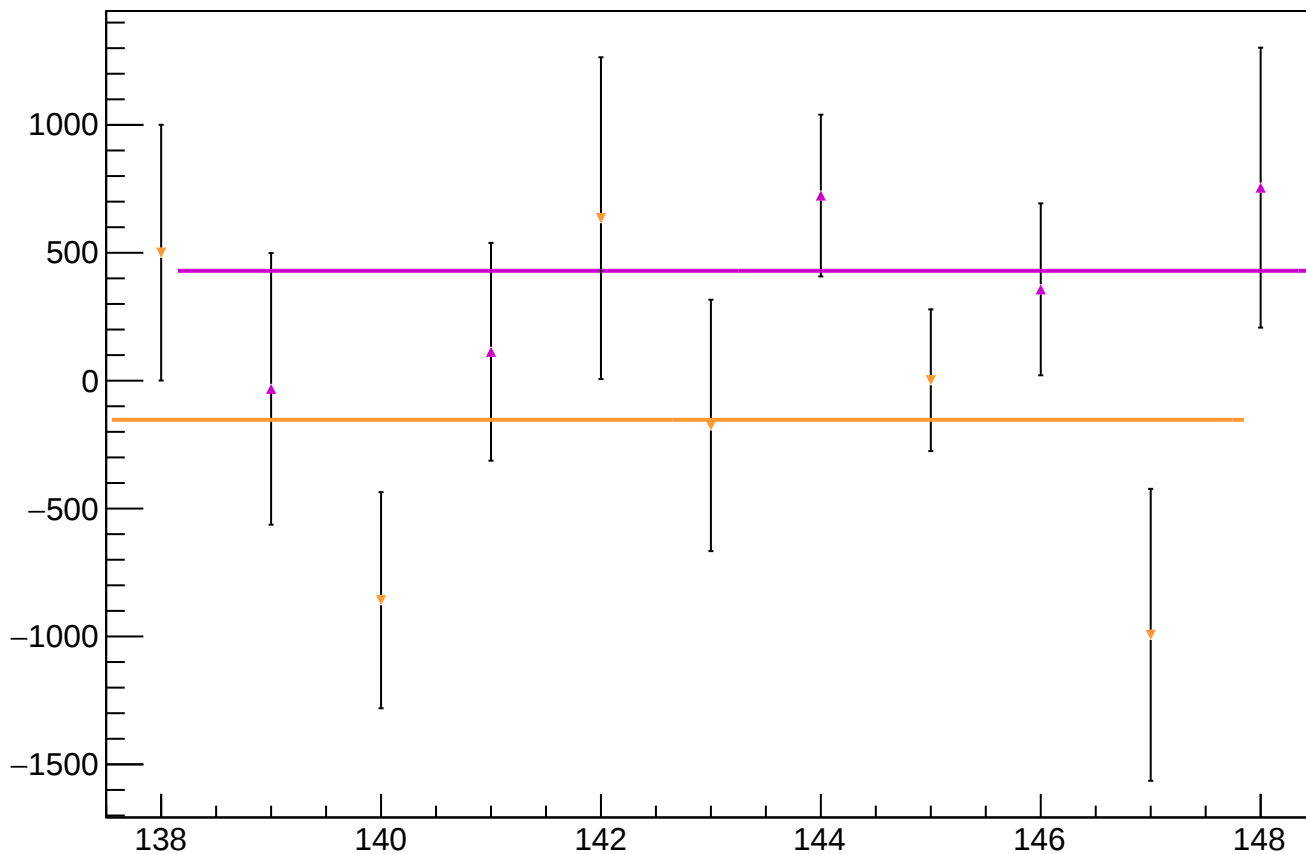
340.519+/-0.123 χ^2/NDF : 564812.8/5

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

343.328+/-0.125 χ^2/NDF : 366619.4/4

Left In: 343.328+/-0.125 χ^2/NDF : 366619.4/4

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -152.975+/-175.778 χ^2/NDF : 8.6/5

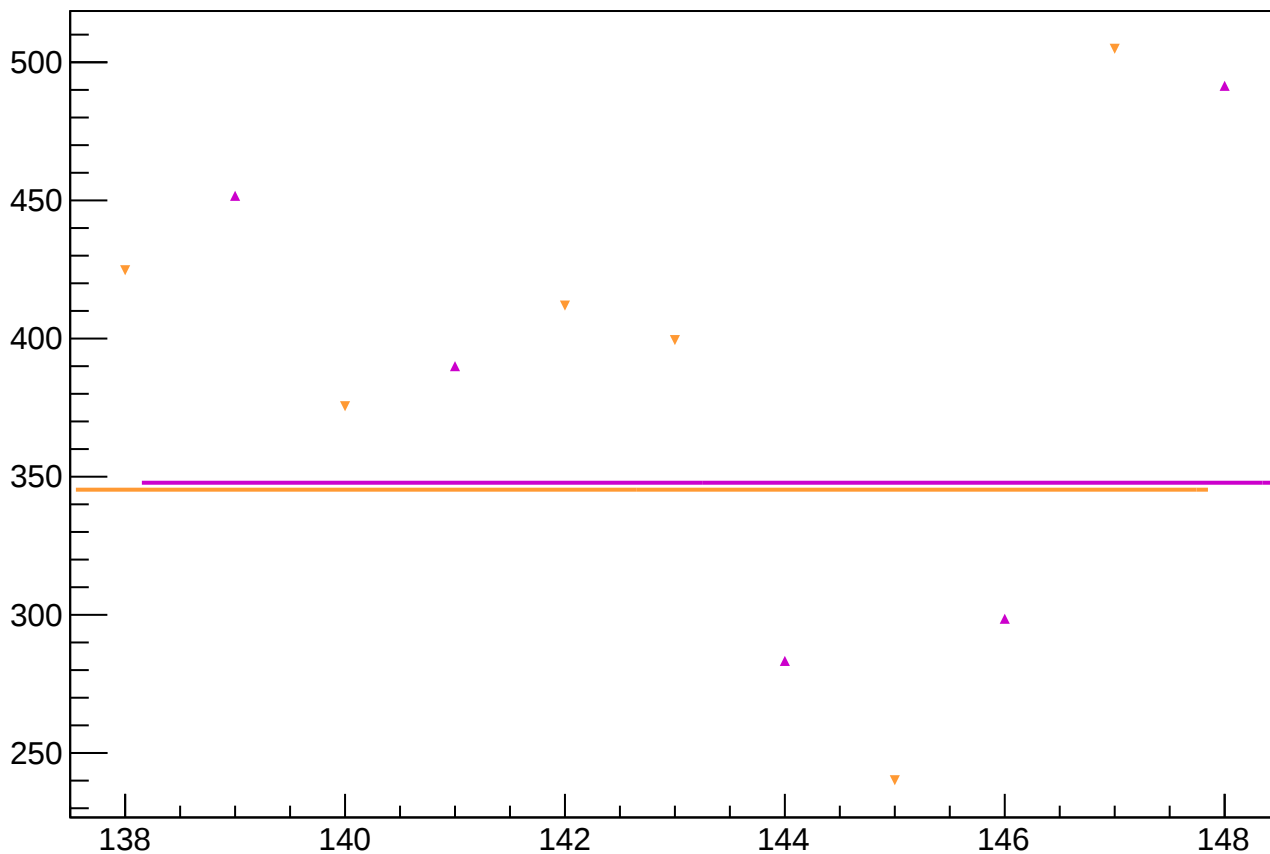
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 429.649+/-178.857 χ^2/NDF : 2.6/4

-152.975+/-175.778 χ^2/NDF : 8.6/5

429.649+/-178.857 χ^2/NDF : 2.6/4

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 345.302+/-0.124 χ^2/NDF : 551840.8/5

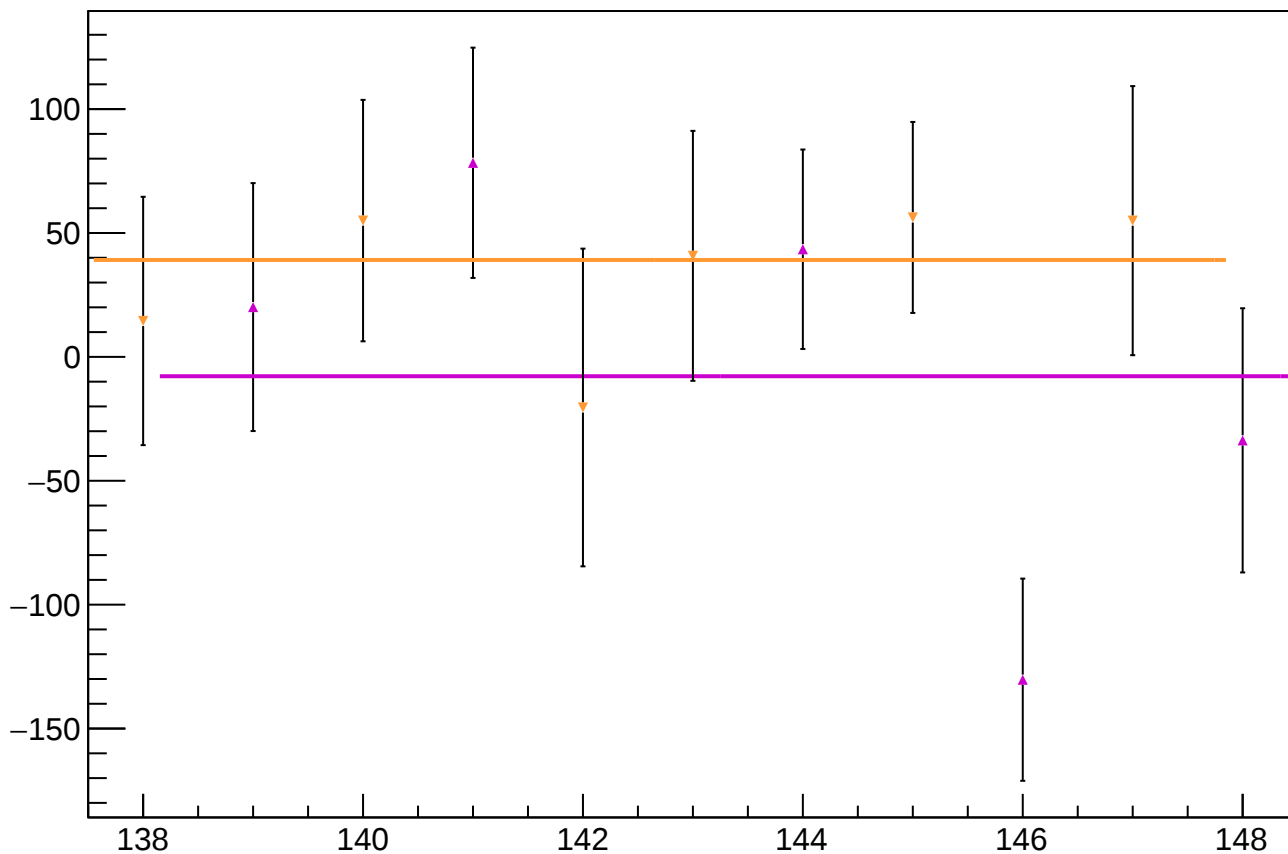
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 347.817+/-0.126 χ^2/NDF : 360099.1/4

345.302+/-0.124 χ^2/NDF : 551840.8/5

347.817+/-0.126 χ^2/NDF : 360099.1/4

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 39.116+/-20.128 χ^2/NDF : 1.5/5

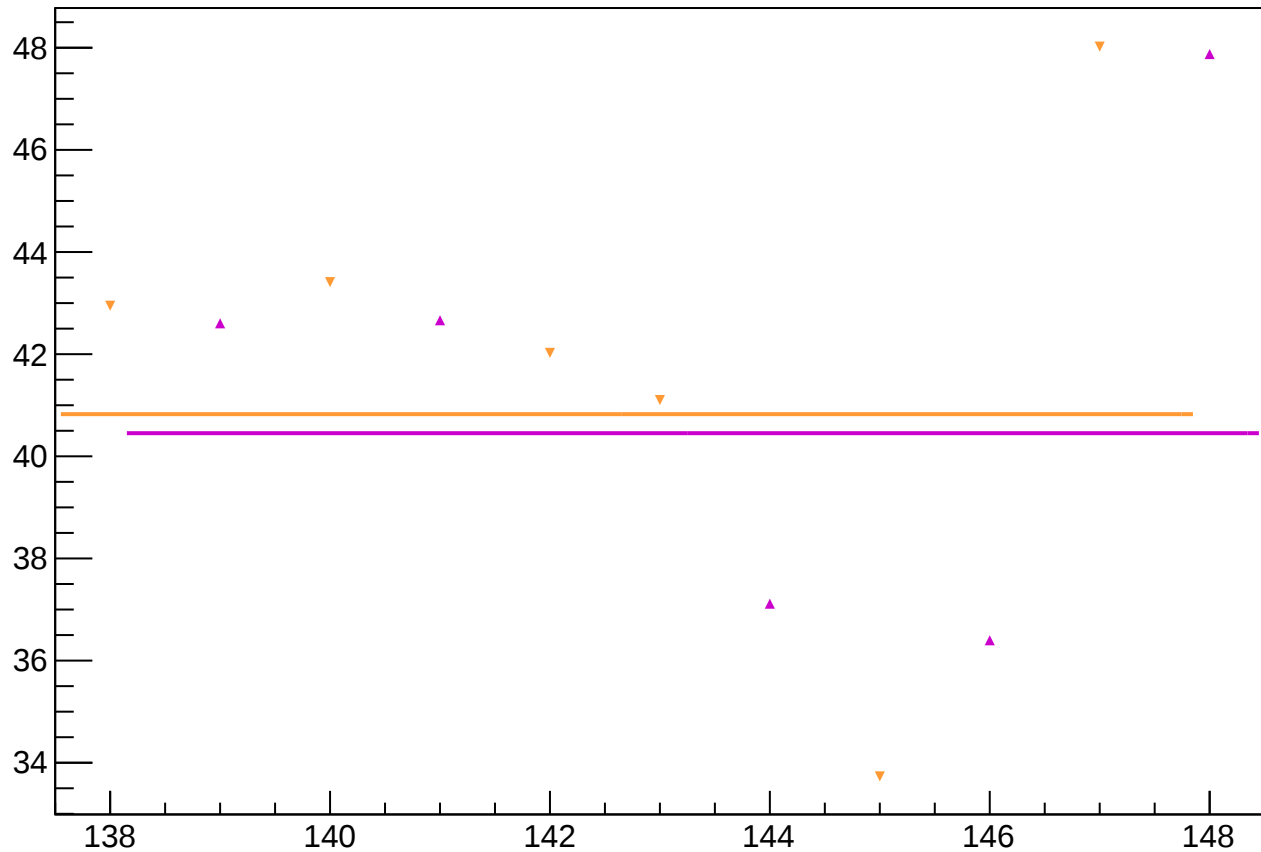
39.116+/-20.128 χ^2/NDF : 1.5/5

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

Left In: -7.808+/-20.276 χ^2/NDF : 14.6/4

-7.808+/-20.276 χ^2/NDF : 14.6/4

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 40.825+/-0.014 χ^2/NDF : 112860.5/5

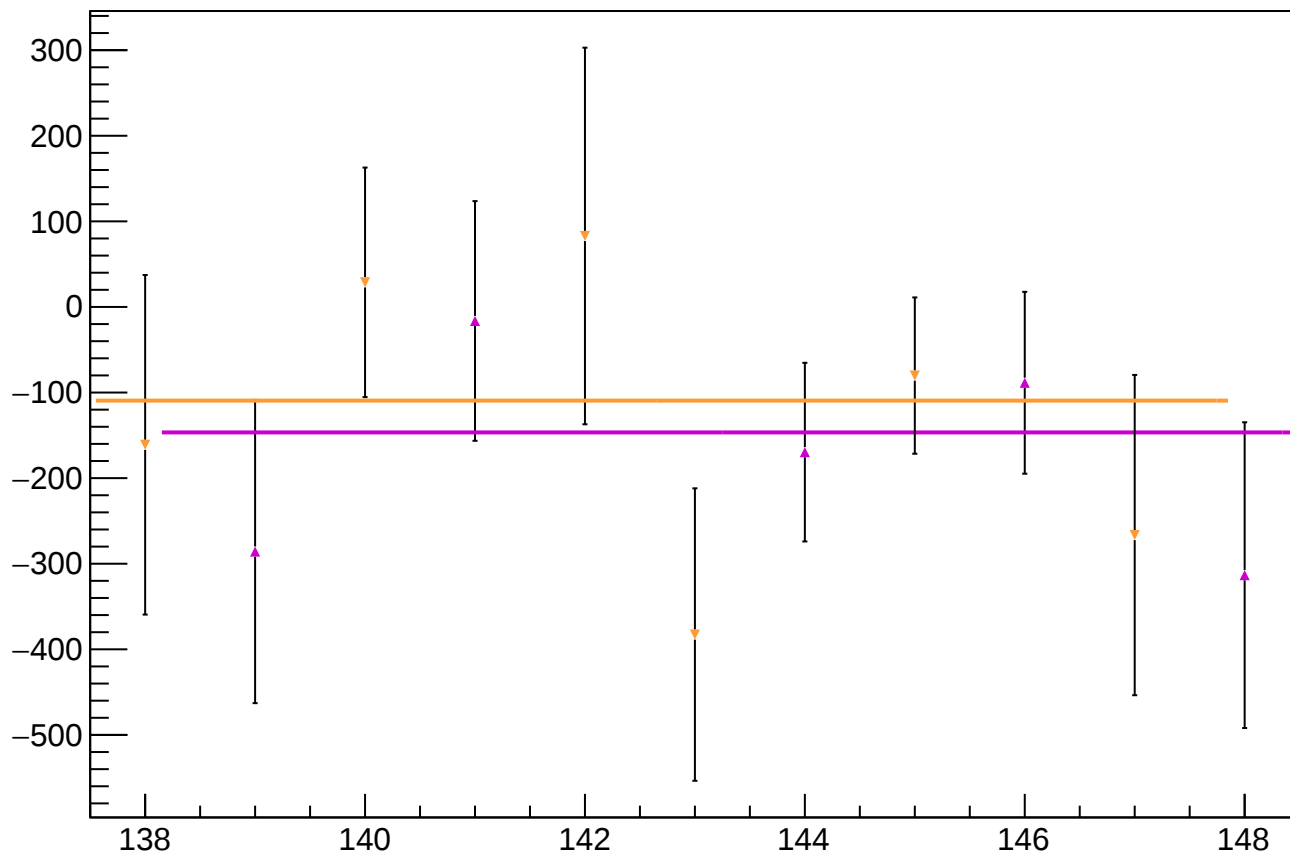
40.825+/-0.014 χ^2/NDF : 112860.5/5

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

40.453+/-0.014 χ^2/NDF : 80526.5/4

Left In: 40.453+/-0.014 χ^2/NDF : 80526.5/4

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -109.417+/-59.289 χ^2/NDF : 5.3/5

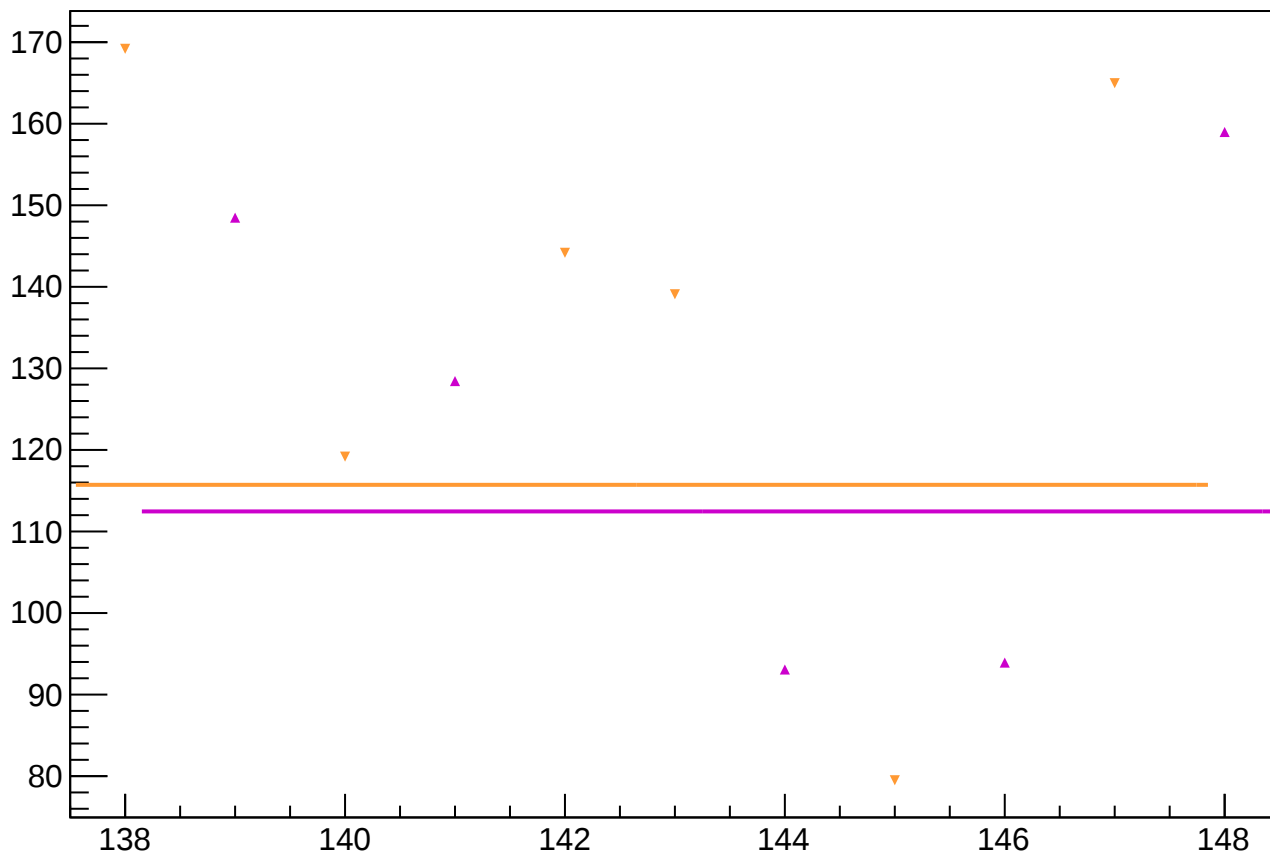
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -146.584+/-58.255 χ^2/NDF : 2.7/4

-109.417+/-59.289 χ^2/NDF : 5.3/5

-146.584+/-58.255 χ^2/NDF : 2.7/4

asym_sam_37_26_dd_correction_rms vs Slug



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

Left Out: 115.720+/-0.042 χ^2/NDF : 670932.3/5

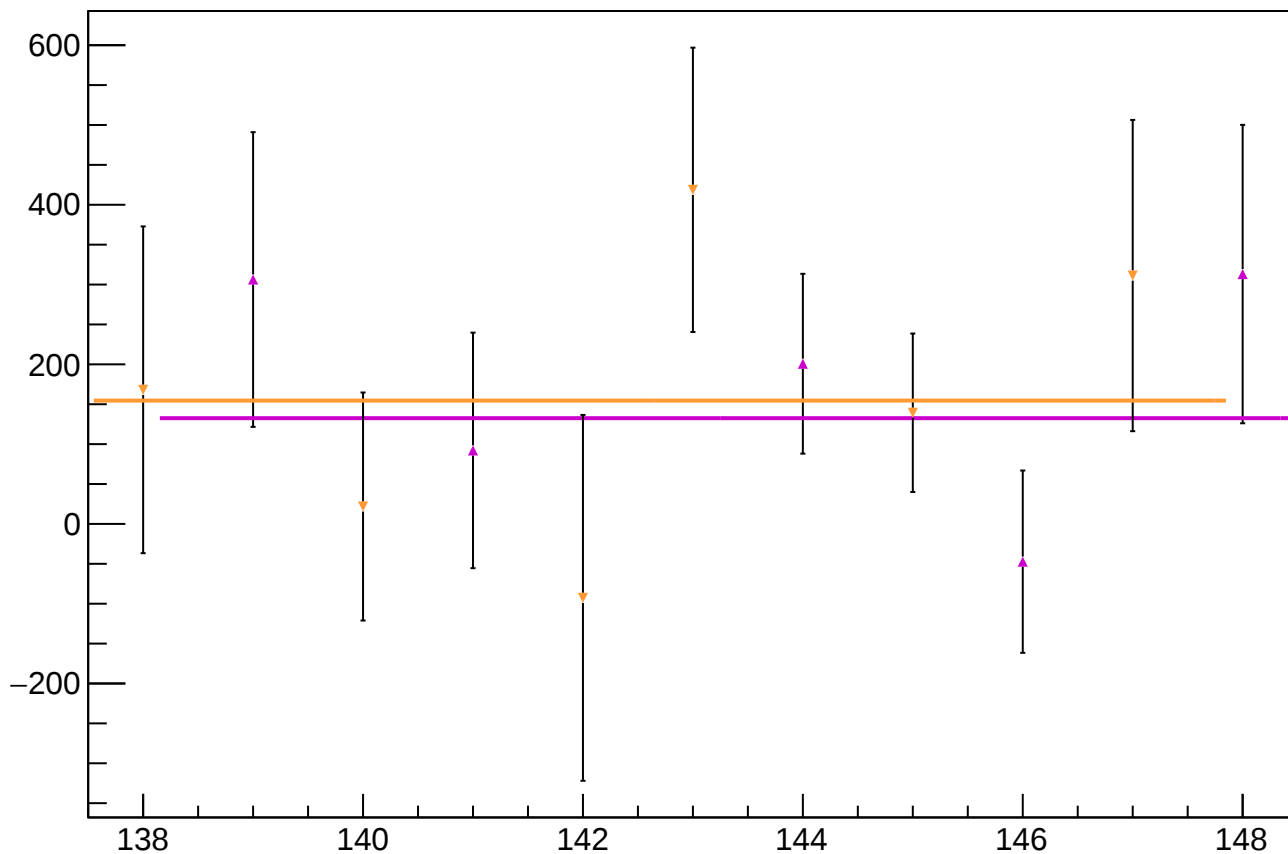
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 112.460+/-0.041 χ^2/NDF : 374397.1/4

115.720+/-0.042 χ^2/NDF : 670932.3/5

112.460+/-0.041 χ^2/NDF : 374397.1/4

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 154.597+/-63.121 χ^2/NDF : 4.9/5

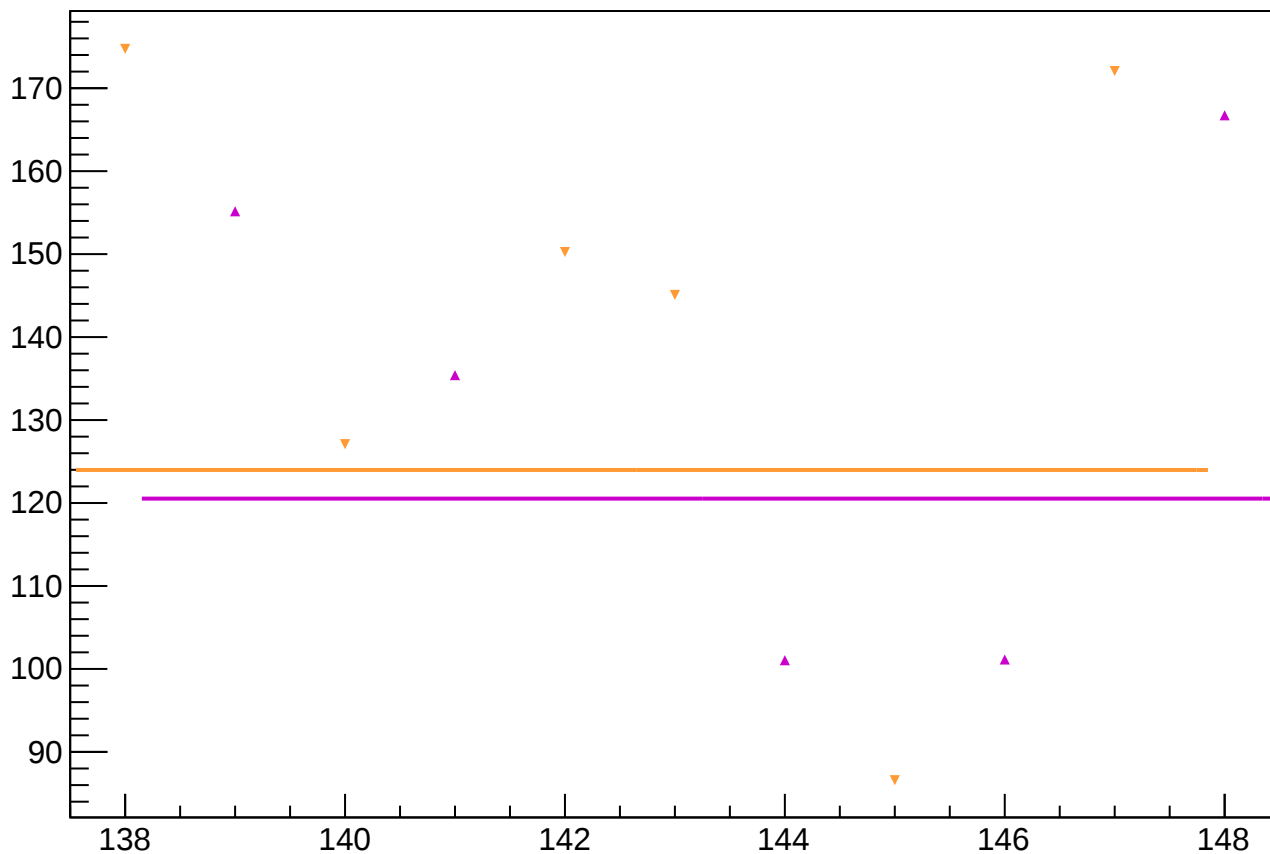
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 132.527+/-62.113 χ^2/NDF : 4.7/4

154.597+/-63.121 χ^2/NDF : 4.9/5

132.527+/-62.113 χ^2/NDF : 4.7/4

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 123.984+/-0.045 χ^2/NDF : 583143.5/5

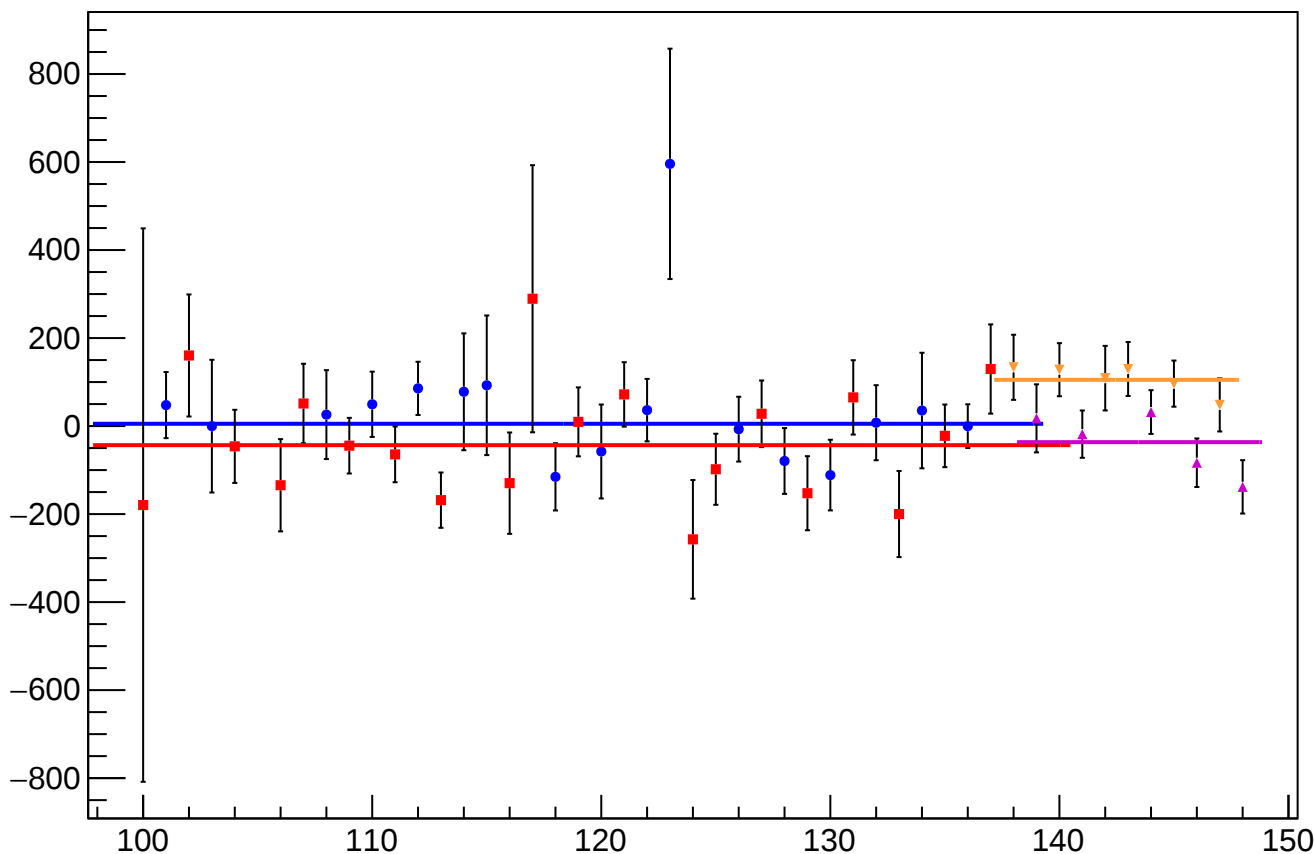
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 120.530+/-0.044 χ^2/NDF : 330143.0/4

123.984+/-0.045 χ^2/NDF : 583143.5/5

120.530+/-0.044 χ^2/NDF : 330143.0/4

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 105.093 ± 25.422 $\chi^2/\text{NDF}: 1.4/5$

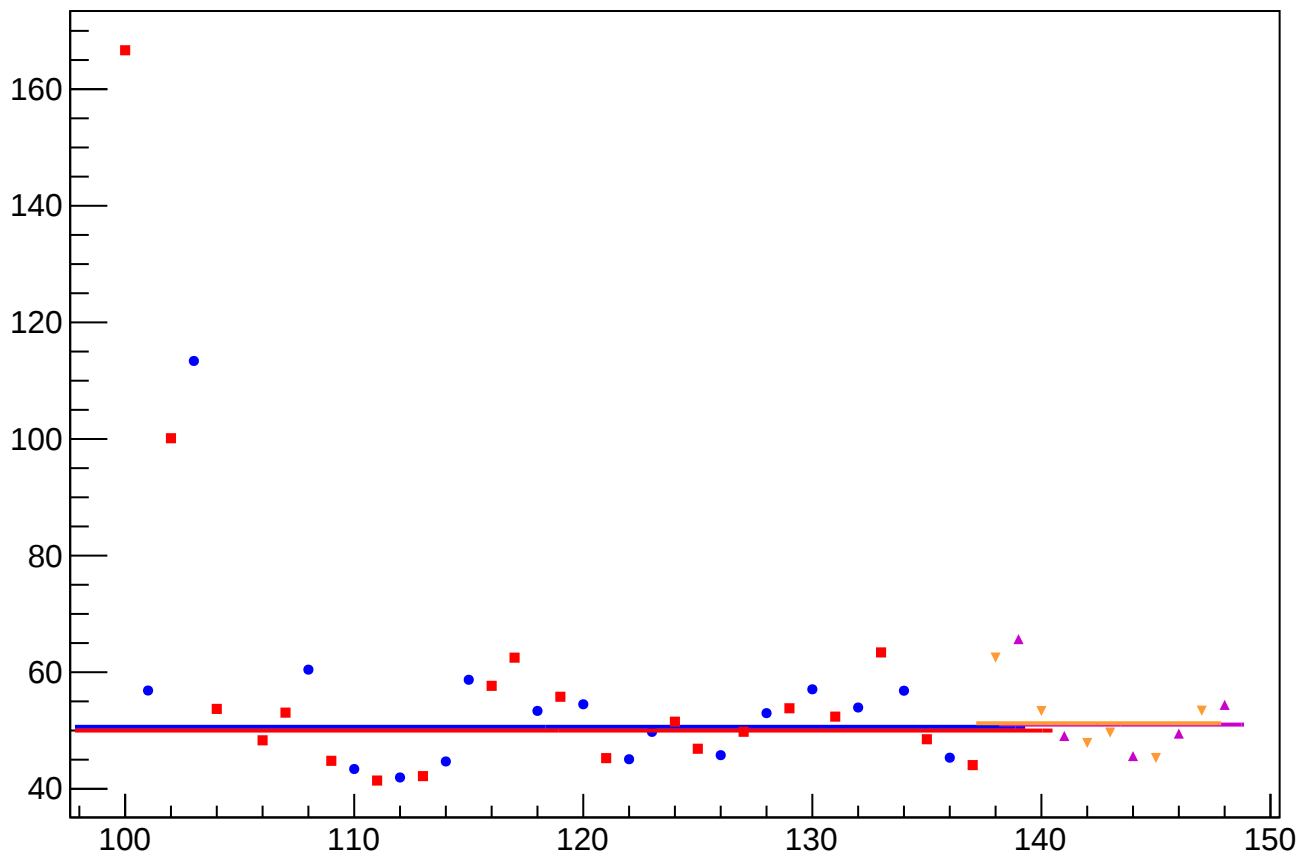
Right Out: -43.354 ± 19.371 $\chi^2/\text{NDF}: 25.6/19$

Left In: -36.520 ± 25.650 $\chi^2/\text{NDF}: 6.0/4$

43.756 ± 15.791 $\chi^2/\text{NDF}: 25.6/22$

-40.872 ± 15.458 $\chi^2/\text{NDF}: 31.7/24$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 51.248 $\pm$ 0.018 χ^2 /NDF: 82774.9/5

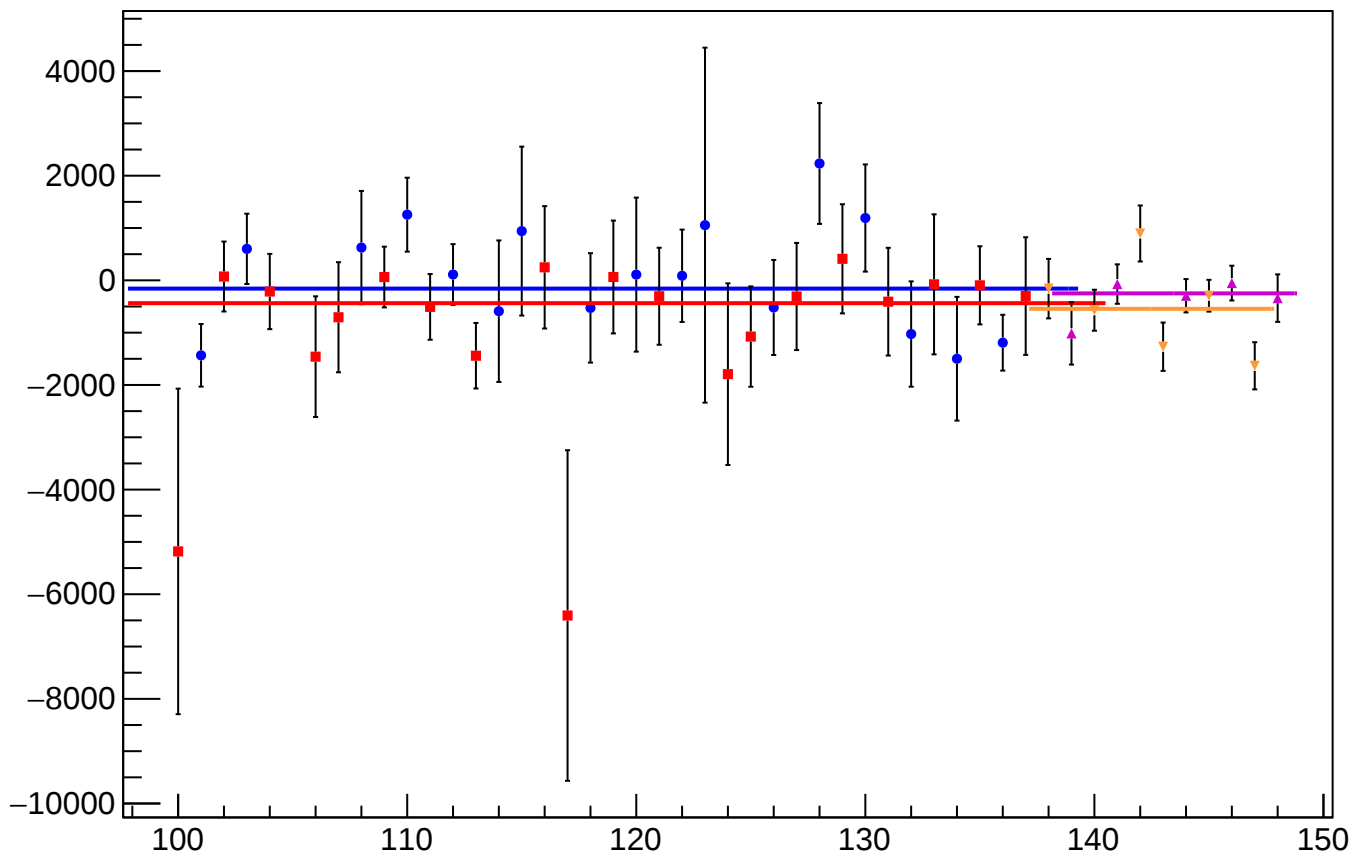
Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

Left In: 51.018 $\pm$ 0.018 χ^2 /NDF: 105961.2/4

50.871 $\pm$ 0.011 χ^2 /NDF: 603175.4/22

50.366 $\pm$ 0.011 χ^2 /NDF: 611887.8/24

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -544.432+/-172.693 χ^2/NDF : 16.7/5

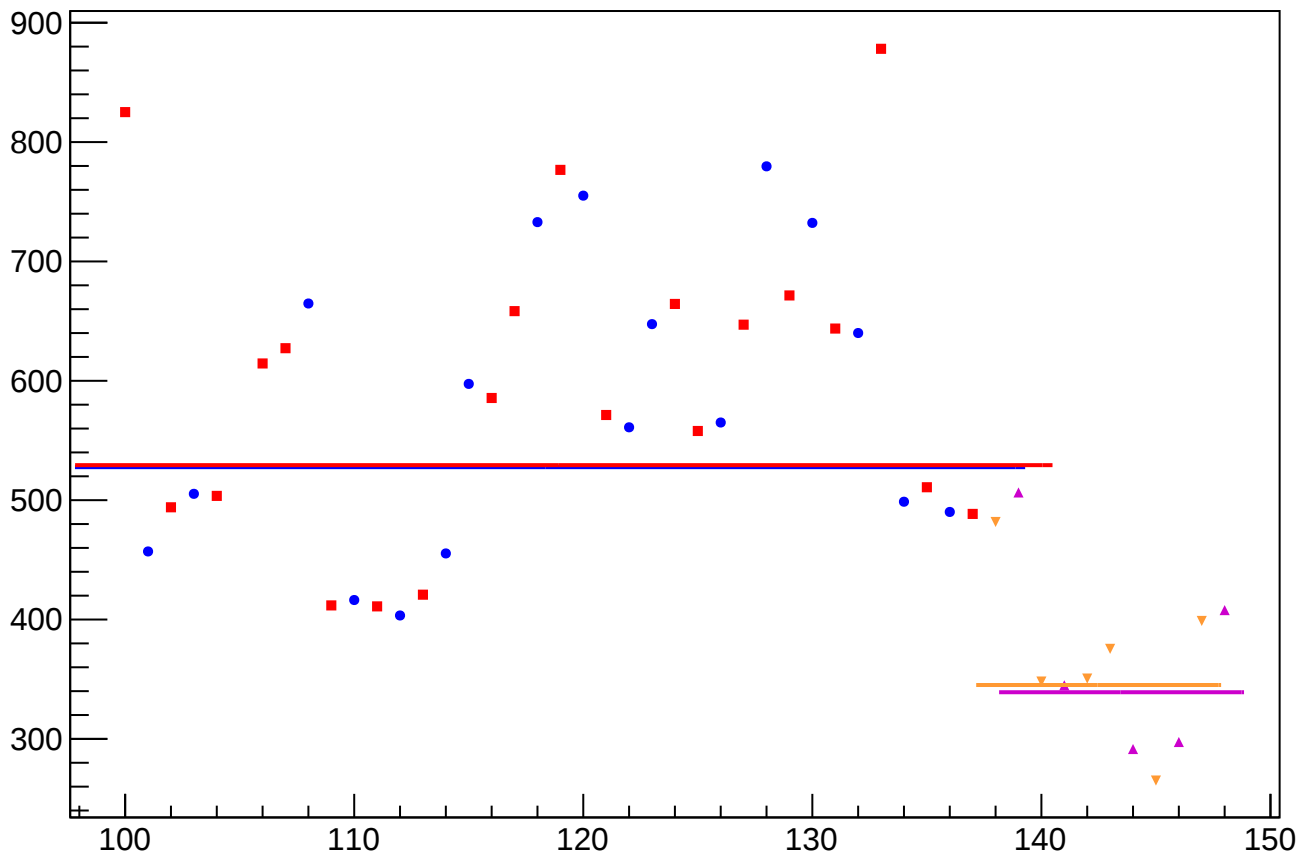
Right Out: -436.410+/-203.212 χ^2/NDF : 13.4/19

Left In: -249.437+/-172.526 χ^2/NDF : 2.3/4

-388.694+/-133.430 χ^2/NDF : 42.2/22

-327.755+/-131.520 χ^2/NDF : 16.1/24

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 $\pm$ 0.149 χ^2/NDF : 557423.6/16

Left Out: 345.147 $\pm$ 0.122 χ^2/NDF : 291514.2/5

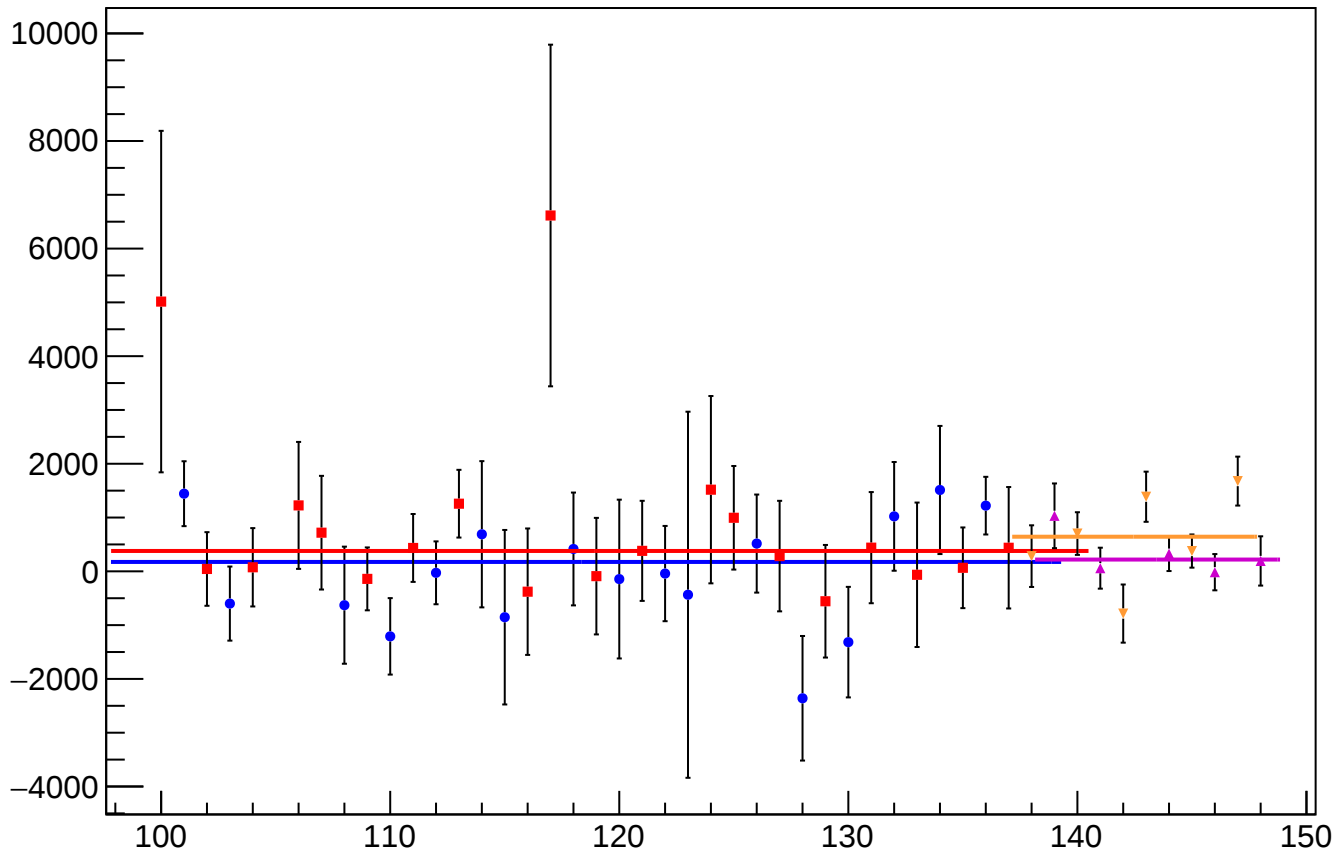
Right Out: 529.342 $\pm$ 0.144 χ^2/NDF : 626714.3/19

Left In: 339.090 $\pm$ 0.122 χ^2/NDF : 279918.5/4

418.704 $\pm$ 0.094 χ^2/NDF : 1749280.0/22

418.781 $\pm$ 0.093 χ^2/NDF : 1925377.1/24

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 643.576 $\pm$ 174.704 χ^2 /NDF: 15.9/5

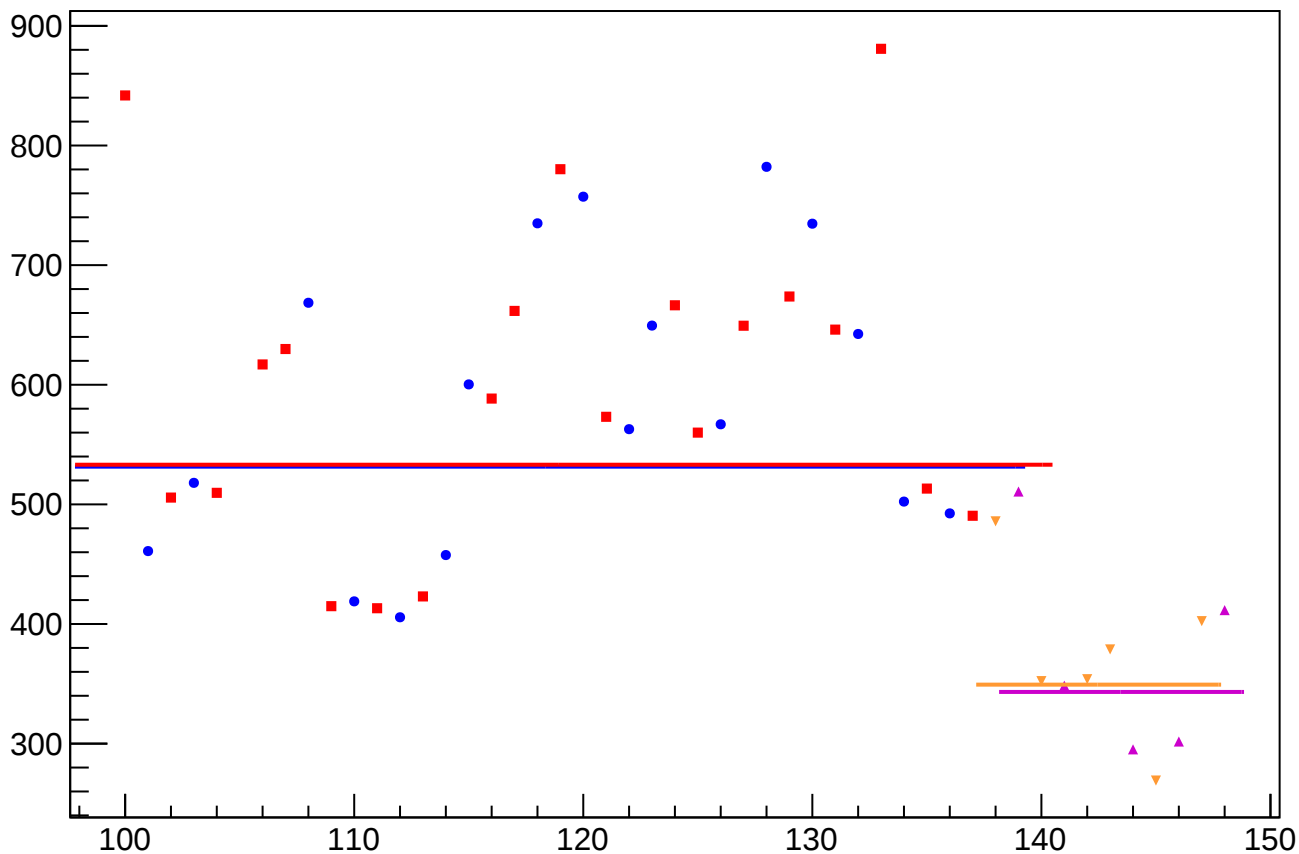
Right Out: 378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

Left In: 218.913 $\pm$ 174.547 χ^2 /NDF: 2.6/4

453.544 $\pm$ 134.736 χ^2 /NDF: 42.5/22

286.114 $\pm$ 132.838 χ^2 /NDF: 15.3/24

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 349.313+/-0.124 χ^2/NDF : 283928.2/5

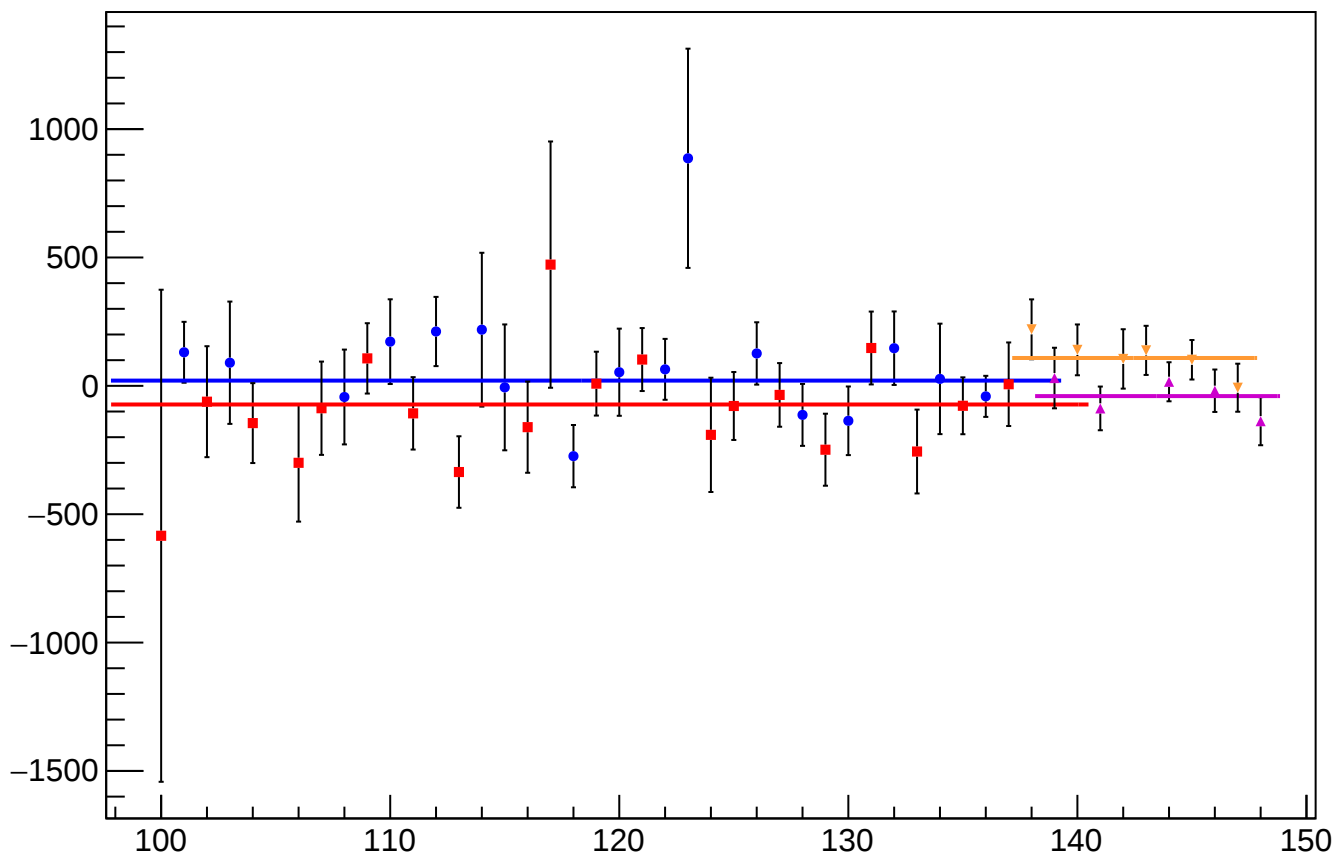
Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

Left In: 343.210+/-0.123 χ^2/NDF : 274572.4/4

423.160+/-0.095 χ^2/NDF : 1715870.0/22

423.141+/-0.094 χ^2/NDF : 1890297.7/24

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 108.512 $\pm$ 39.441 χ^2 /NDF: 2.7/5

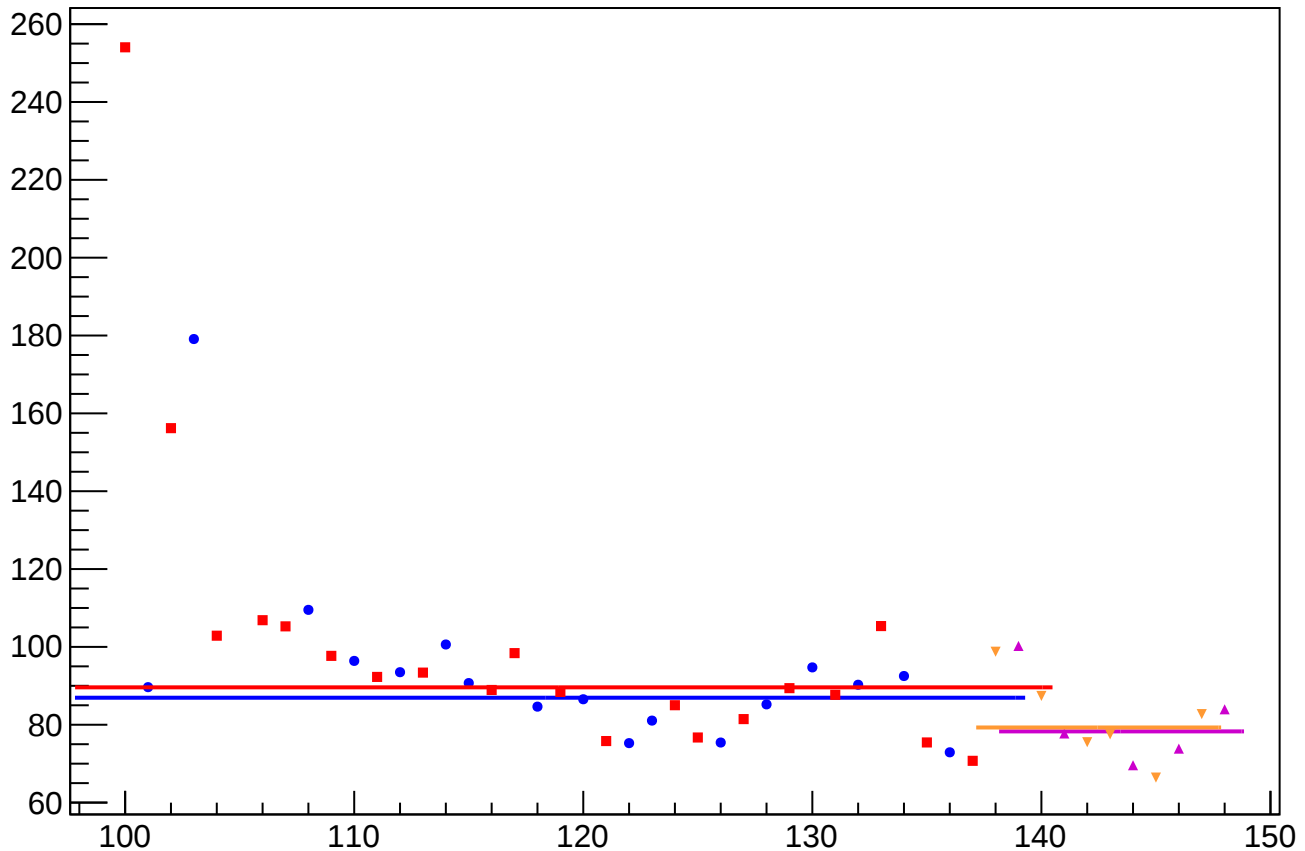
Right Out: -72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

Left In: -39.919 $\pm$ 39.426 χ^2 /NDF: 2.4/4

58.722 $\pm$ 26.003 χ^2 /NDF: 24.7/22

-58.379 $\pm$ 26.009 χ^2 /NDF: 19.4/24

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 79.295 $\pm$ 0.028 χ^2 /NDF:130629.0/5

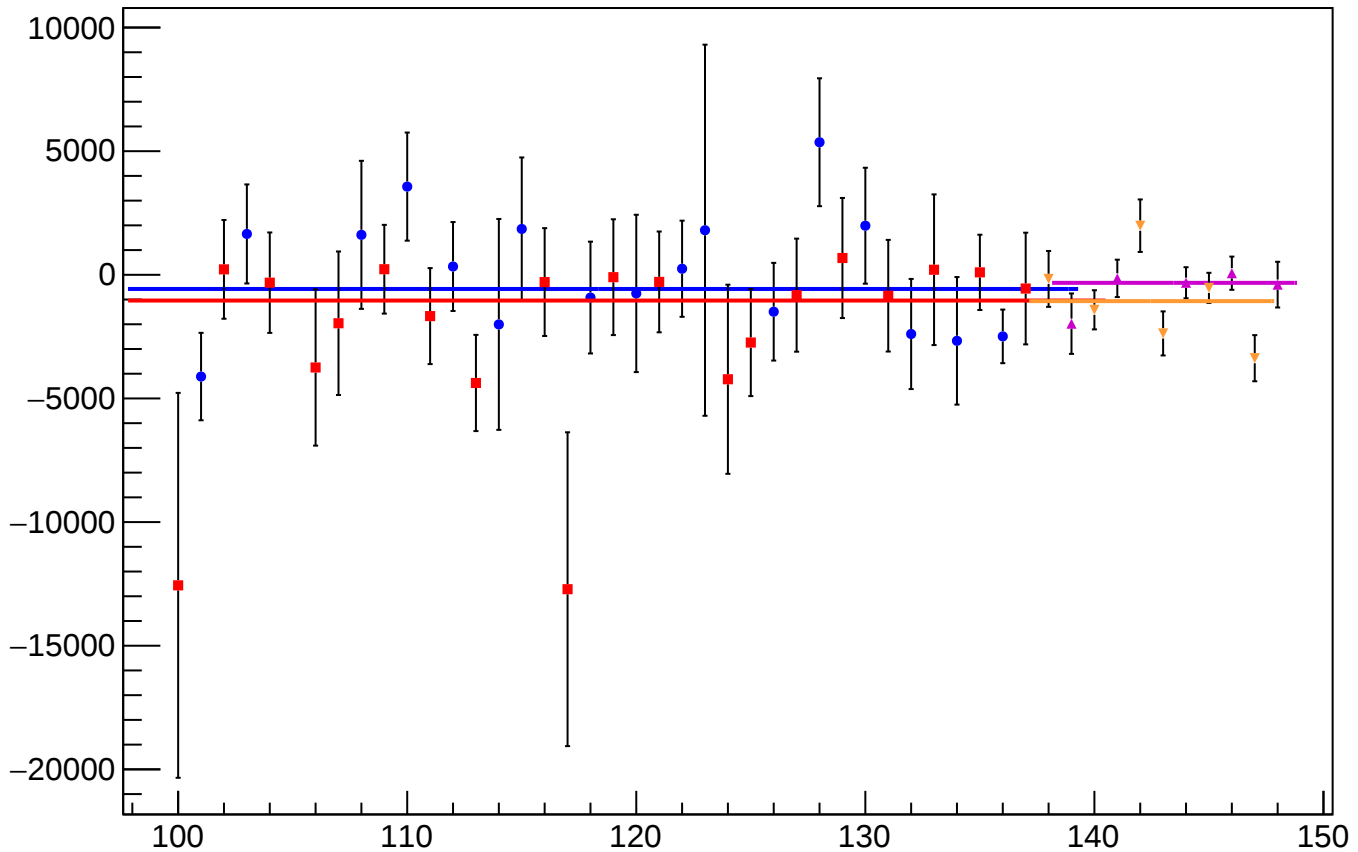
Right Out: 89.607 $\pm$ 0.024 χ^2 /NDF: 431905.8/19

Left In: 78.291 $\pm$ 0.028 χ^2 /NDF:108595.6/4

83.619 $\pm$ 0.018 χ^2 /NDF: 628948.1/22

84.682 $\pm$ 0.018 χ^2 /NDF: 633557.3/24

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342+/-517.020 χ^2/NDF : 21.9/16

Left Out: -1064.080+/-345.544 χ^2/NDF : 18.1/5

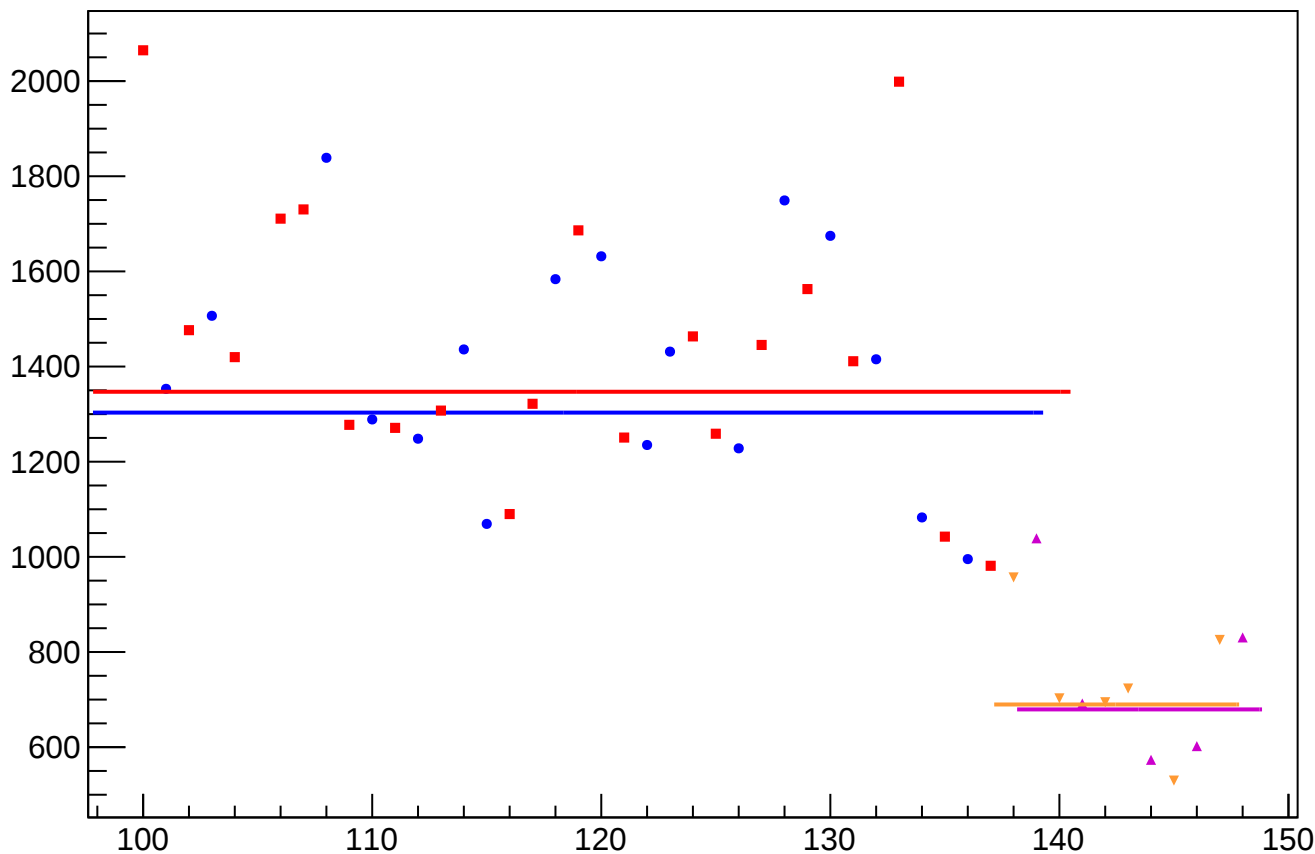
Right Out: -1040.618+/-512.937 χ^2/NDF : 13.5/19

Left In: -324.741+/-346.242 χ^2/NDF : 2.2/4

-912.251+/-287.288 χ^2/NDF : 40.6/22

-548.826+/-286.980 χ^2/NDF : 17.1/24

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201 +/- 0.366 χ^2/NDF : 451961.9/16

Left Out: 689.699 +/- 0.244 χ^2/NDF : 295612.0/5

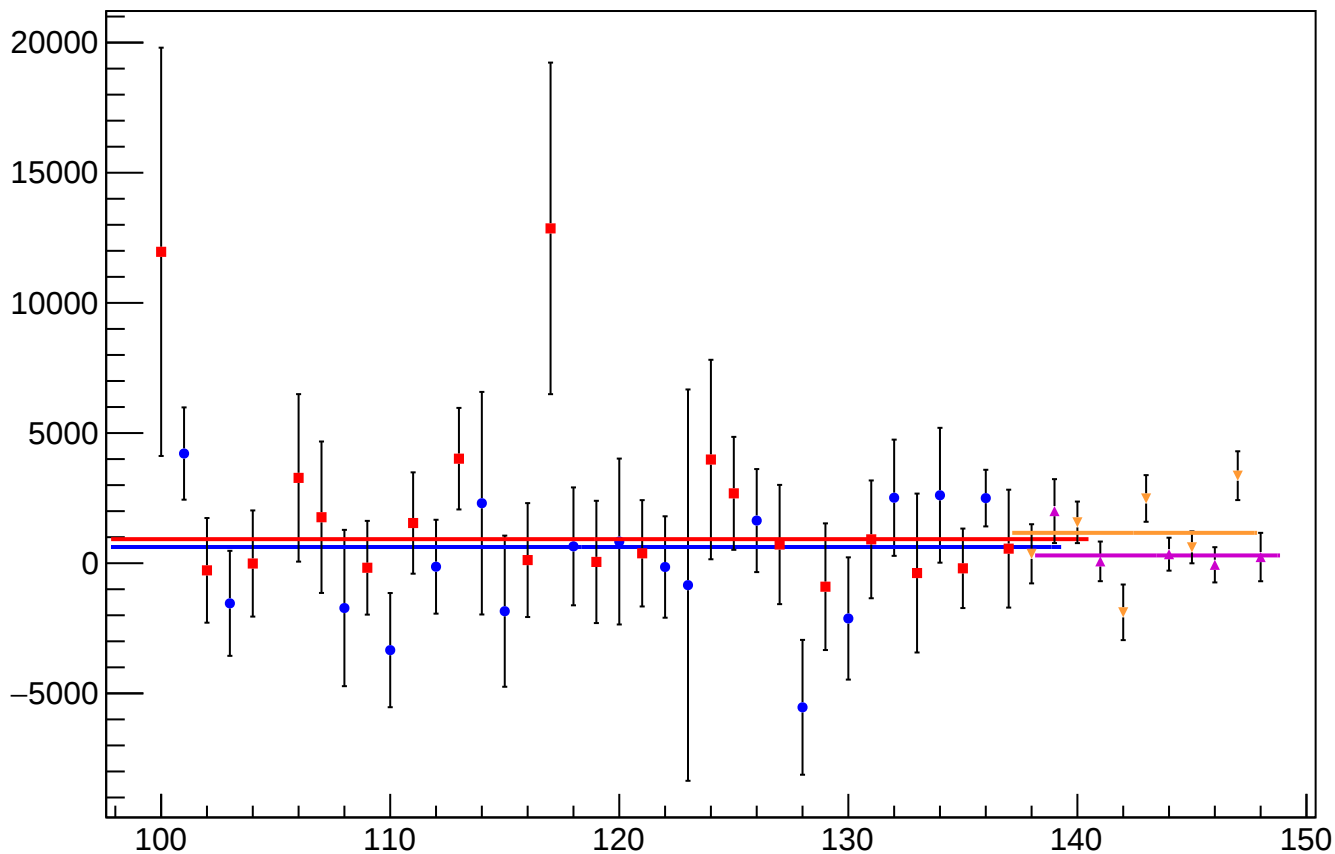
Right Out: 1347.011 +/- 0.363 χ^2/NDF : 420806.0/19

Left In: 679.331 +/- 0.245 χ^2/NDF : 310619.5/4

879.124 +/- 0.203 χ^2/NDF : 2694168.5/22

888.330 +/- 0.203 χ^2/NDF : 3059410.9/24

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 ± 518.496 χ^2/NDF : 22.0/16

Left Out: 1166.455 ± 347.939 χ^2/NDF : 17.4/5

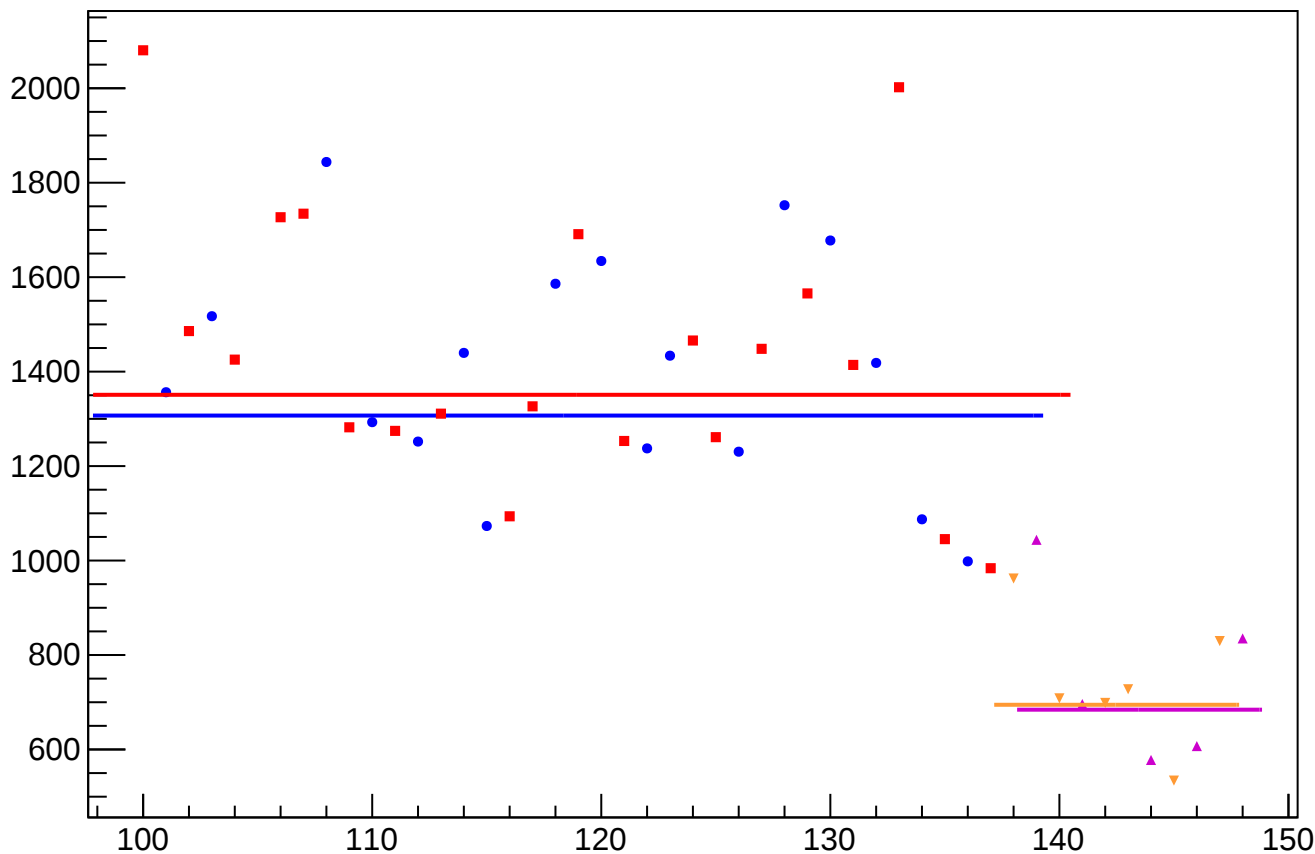
Right Out: 924.488 ± 514.636 χ^2/NDF : 12.6/19

Left In: 298.703 ± 348.647 χ^2/NDF : 2.3/4

997.533 ± 288.917 χ^2/NDF : 40.1/22

495.562 ± 288.646 χ^2/NDF : 15.9/24

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 694.616+/-0.246 χ^2/NDF : 292329.3/5

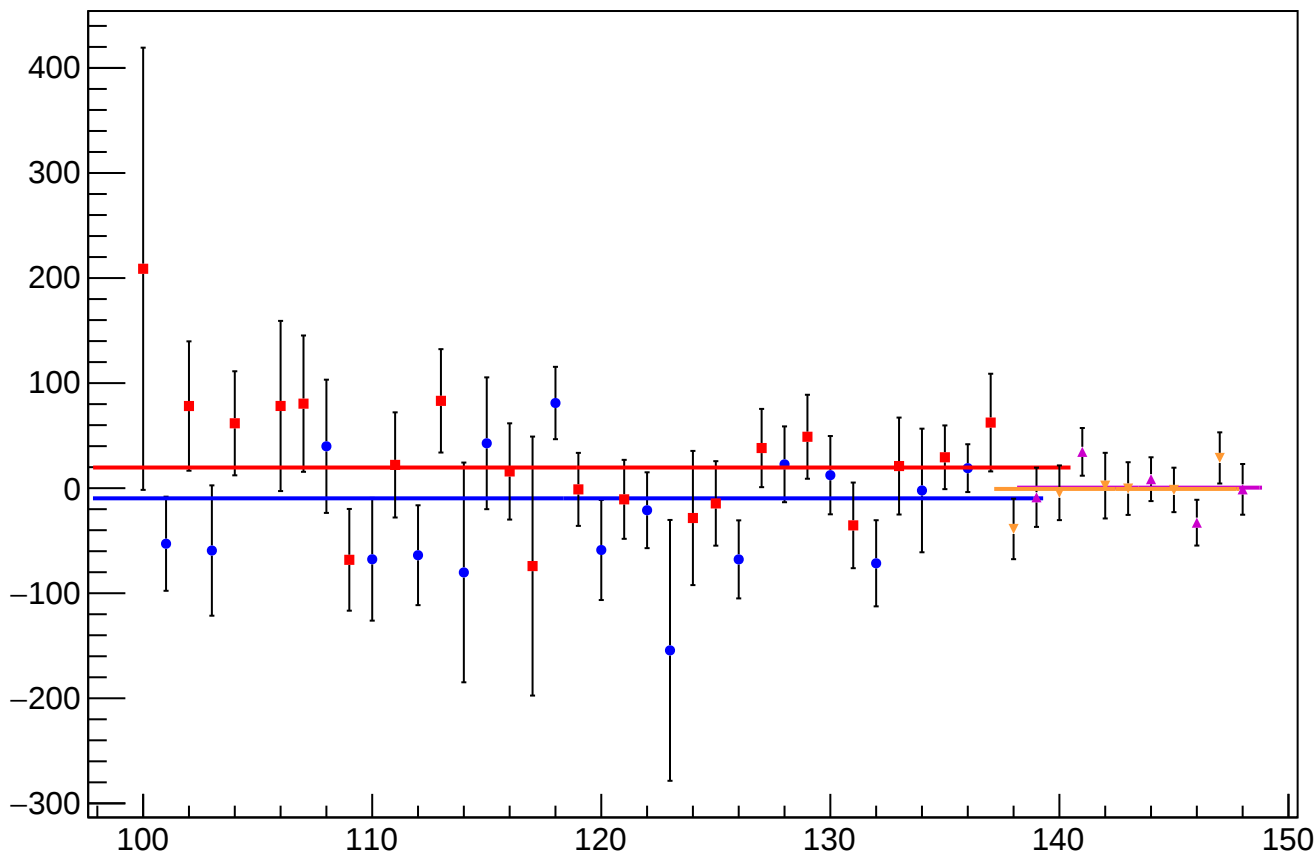
Right Out: 1350.936+/-0.364 χ^2/NDF : 421834.2/19

Left In: 684.217+/-0.247 χ^2/NDF : 307351.0/4

884.752+/-0.204 χ^2/NDF : 2667040.3/22

893.953+/-0.204 χ^2/NDF : 3029947.6/24

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: -0.718 ± 10.415 χ^2/NDF : 3.3/5

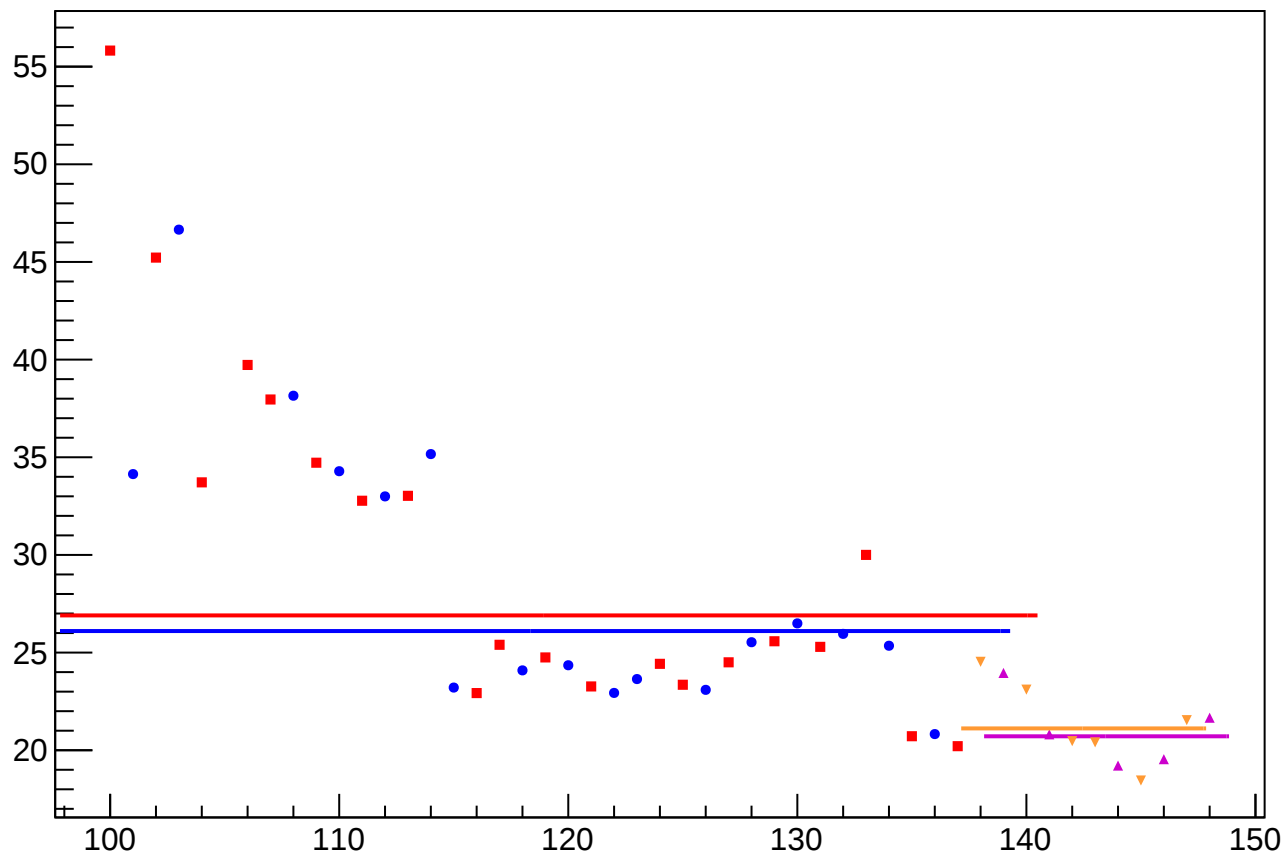
Right Out: 19.662 ± 10.406 χ^2/NDF : 15.2/19

Left In: 0.506 ± 10.357 χ^2/NDF : 4.9/4

-5.196 ± 7.362 χ^2/NDF : 26.2/22

10.038 ± 7.341 χ^2/NDF : 21.8/24

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 21.118+/-0.007 χ^2/NDF : 74611.1/5

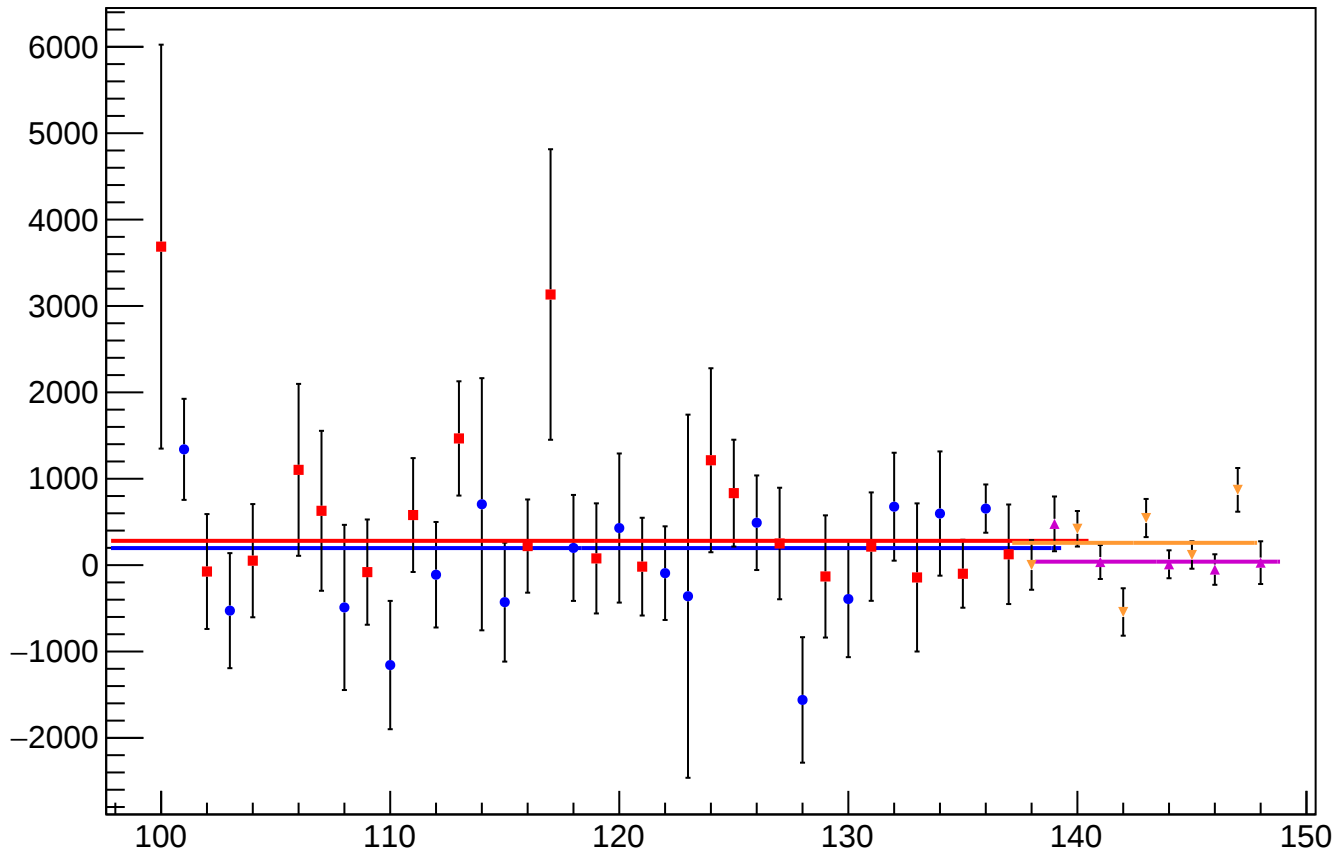
Right Out: 26.903+/-0.007 χ^2/NDF : 679269.9/19

Left In: 20.714+/-0.007 χ^2/NDF : 45757.1/4

23.612+/-0.005 χ^2/NDF : 907905.6/22

23.794+/-0.005 χ^2/NDF : 1080439.9/24

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 258.140 ± 89.530 χ^2/NDF : 18.3/5

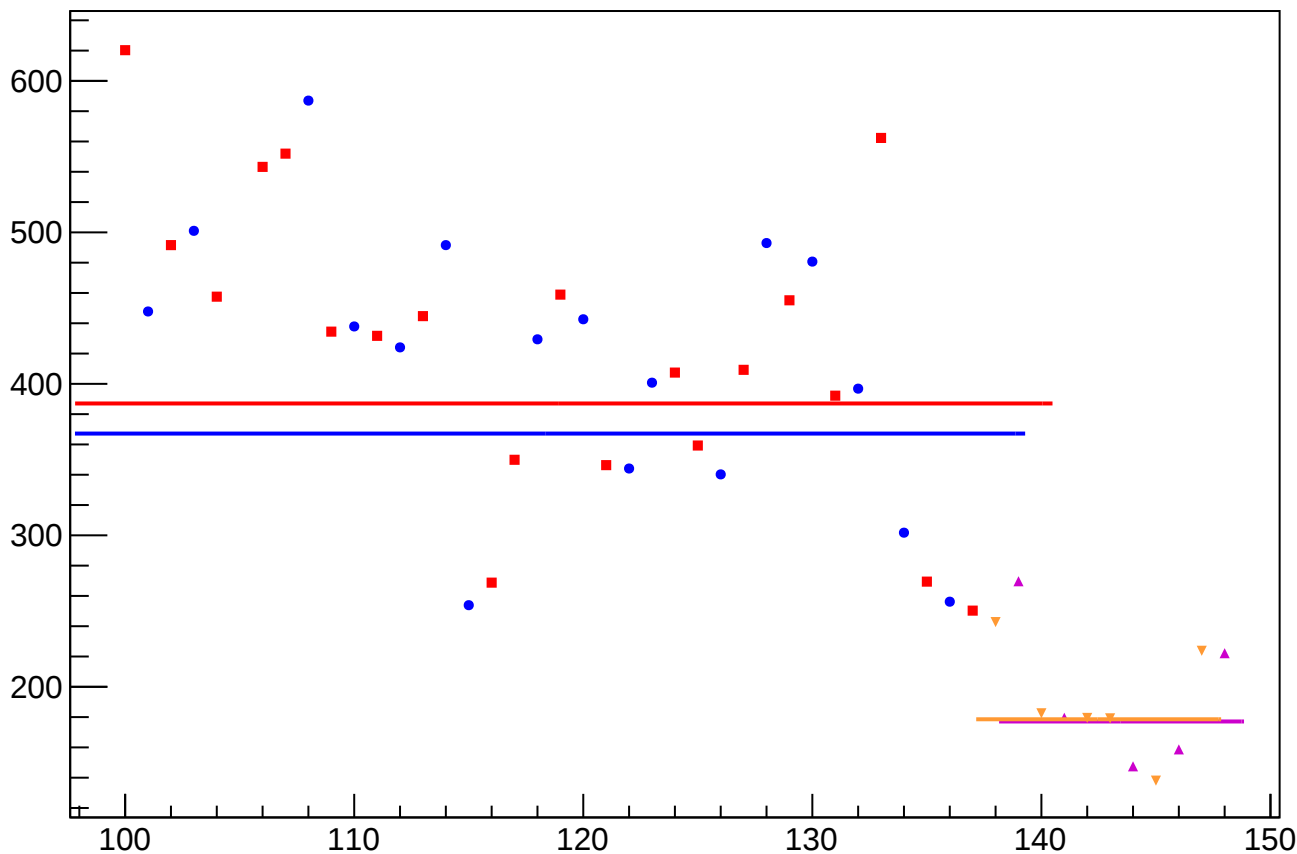
Right Out: 281.185 ± 149.275 χ^2/NDF : 13.6/19

Left In: 40.025 ± 90.363 χ^2/NDF : 2.2/4

241.829 ± 76.588 χ^2/NDF : 39.4/22

104.698 ± 77.303 χ^2/NDF : 17.7/24

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 178.564 $\pm$ 0.063 χ^2 /NDF: 294579.2/5

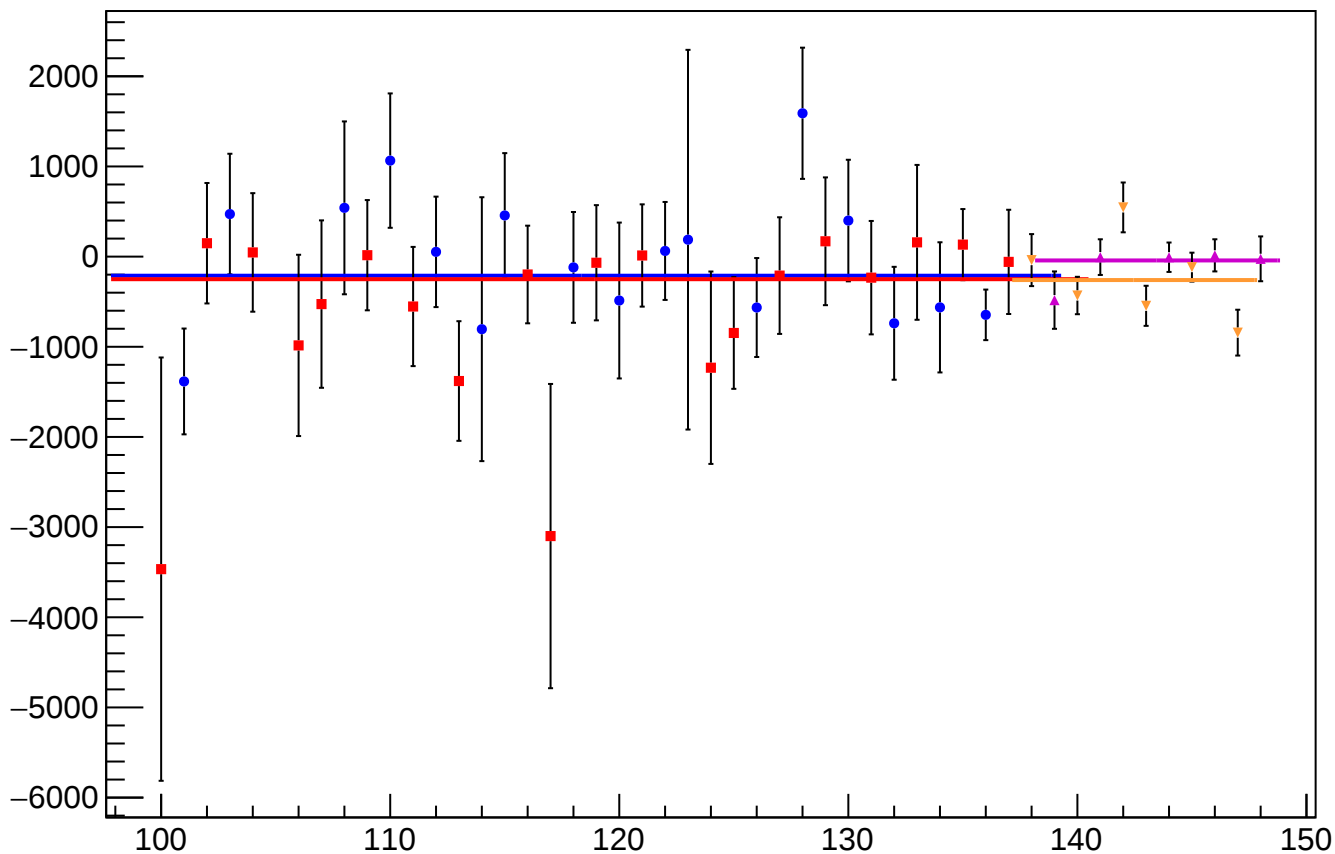
Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

Left In: 177.111 $\pm$ 0.064 χ^2 /NDF: 326131.8/4

229.153 $\pm$ 0.054 χ^2 /NDF: 3502600.3/22

233.411 $\pm$ 0.055 χ^2 /NDF: 3996630.6/24

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859+/-148.316 χ^2 /NDF: 21.0/16

Left Out: -260.001+/-90.184 χ^2 /NDF:17.5/5

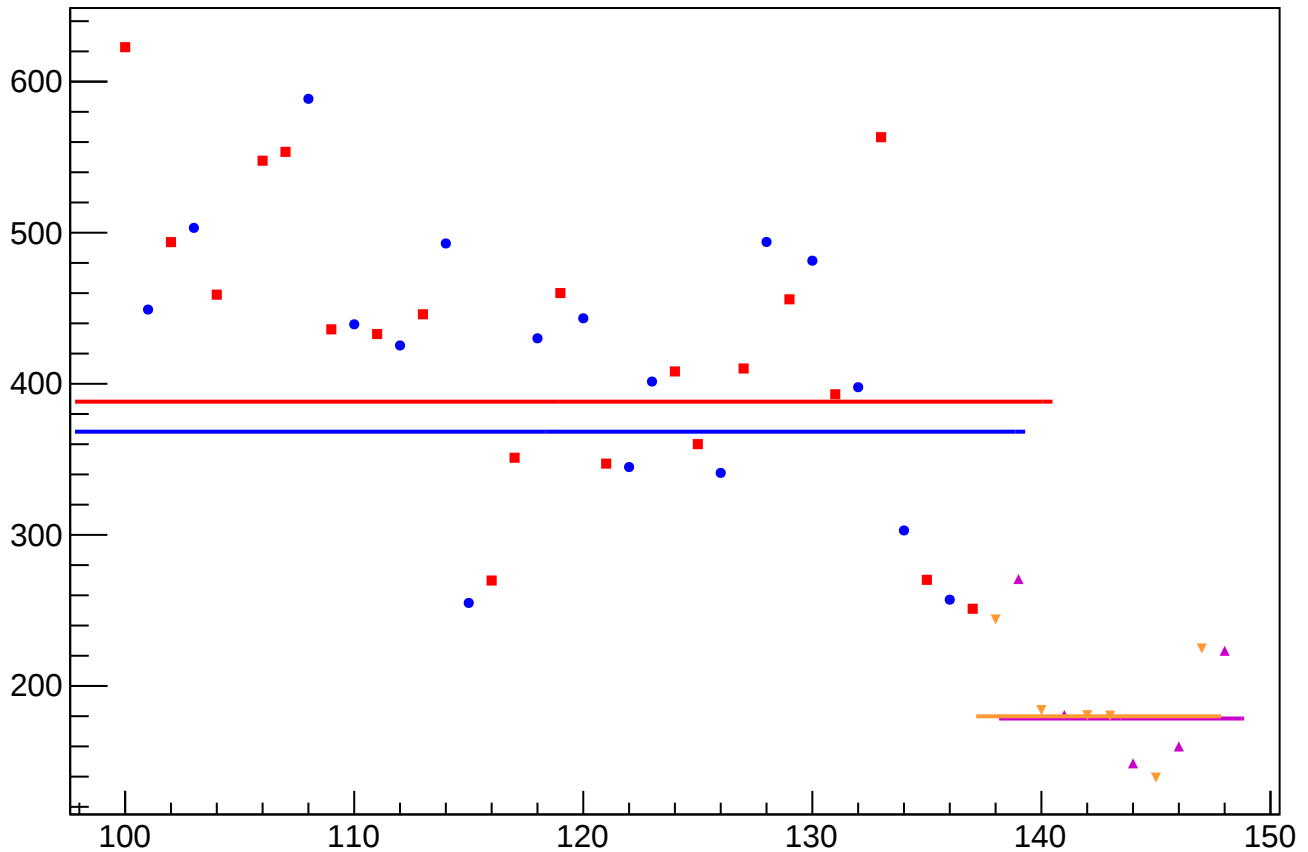
Right Out: -250.443+/-149.724 χ^2 /NDF: 12.9/19

Left In: -42.383+/-91.017 χ^2 /NDF:2.1/4

-247.006+/-77.057 χ^2 /NDF: 38.6/22

-98.523+/-77.774 χ^2 /NDF: 16.4/24

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 179.934 $\pm$ 0.064 χ^2 /NDF: 290107.3/5

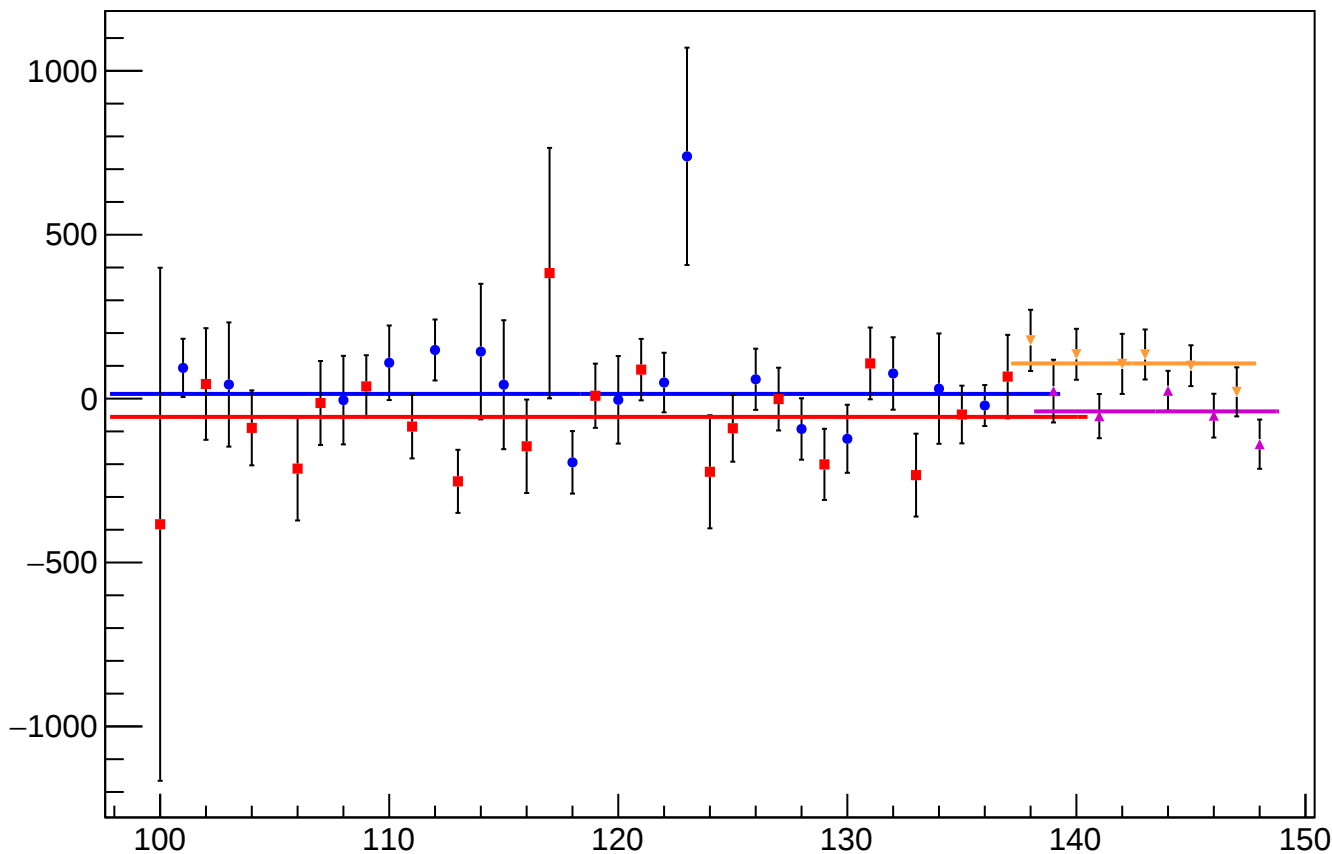
Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

Left In: 178.462 $\pm$ 0.064 χ^2 /NDF: 321324.8/4

230.780 $\pm$ 0.054 χ^2 /NDF: 3469957.1/22

235.049 $\pm$ 0.055 χ^2 /NDF: 3962094.6/24

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 ± 26.334 $\chi^2/\text{NDF}: 17.7/16$

Left Out: 107.357 ± 31.505 $\chi^2/\text{NDF}: 2.2/5$

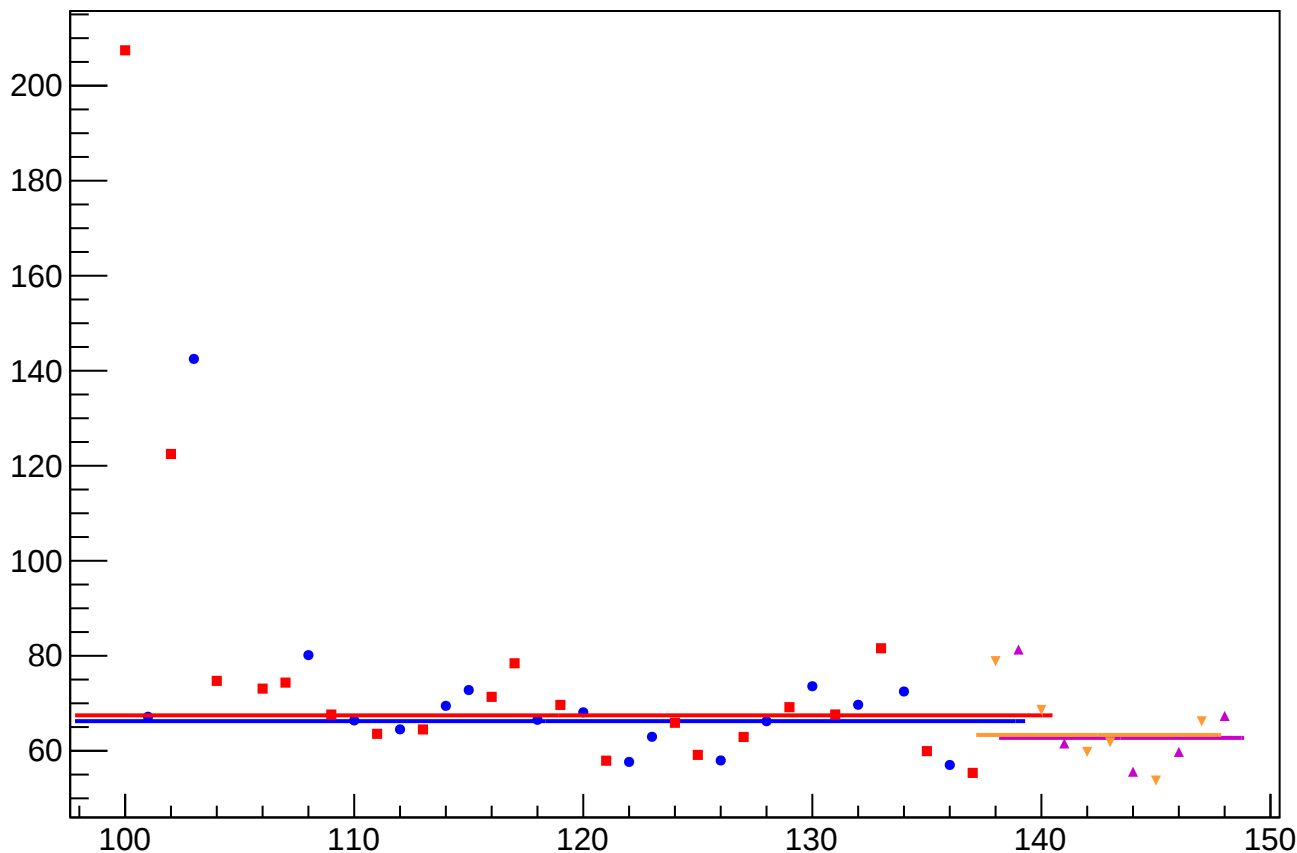
Right Out: -55.744 ± 26.060 $\chi^2/\text{NDF}: 19.7/19$

Left In: -38.949 ± 31.597 $\chi^2/\text{NDF}: 3.4/4$

52.624 ± 20.205 $\chi^2/\text{NDF}: 25.0/22$

-48.944 ± 20.104 $\chi^2/\text{NDF}: 23.3/24$

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 63.342+/-0.022 χ^2/NDF :118960.7/5

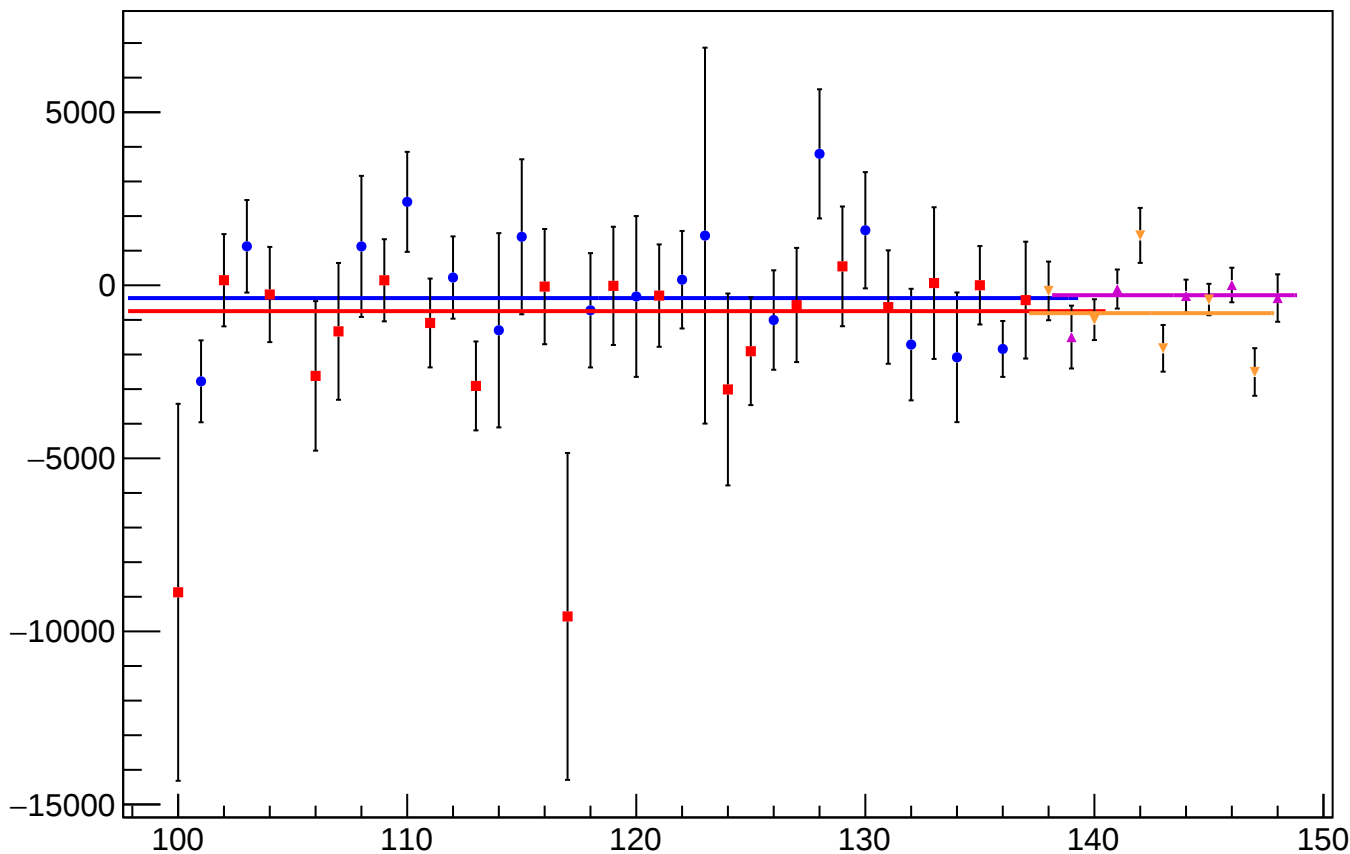
Right Out: 67.466+/-0.018 χ^2/NDF : 395262.8/19

Left In: 62.725+/-0.022 χ^2/NDF :115034.9/4

65.052+/-0.014 χ^2/NDF : 569916.9/22

65.547+/-0.014 χ^2/NDF : 537096.7/24

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 $\pm$ 366.432 χ^2/NDF : 22.3/16

Left Out: -805.195 $\pm$ 258.052 χ^2/NDF : 17.8/5

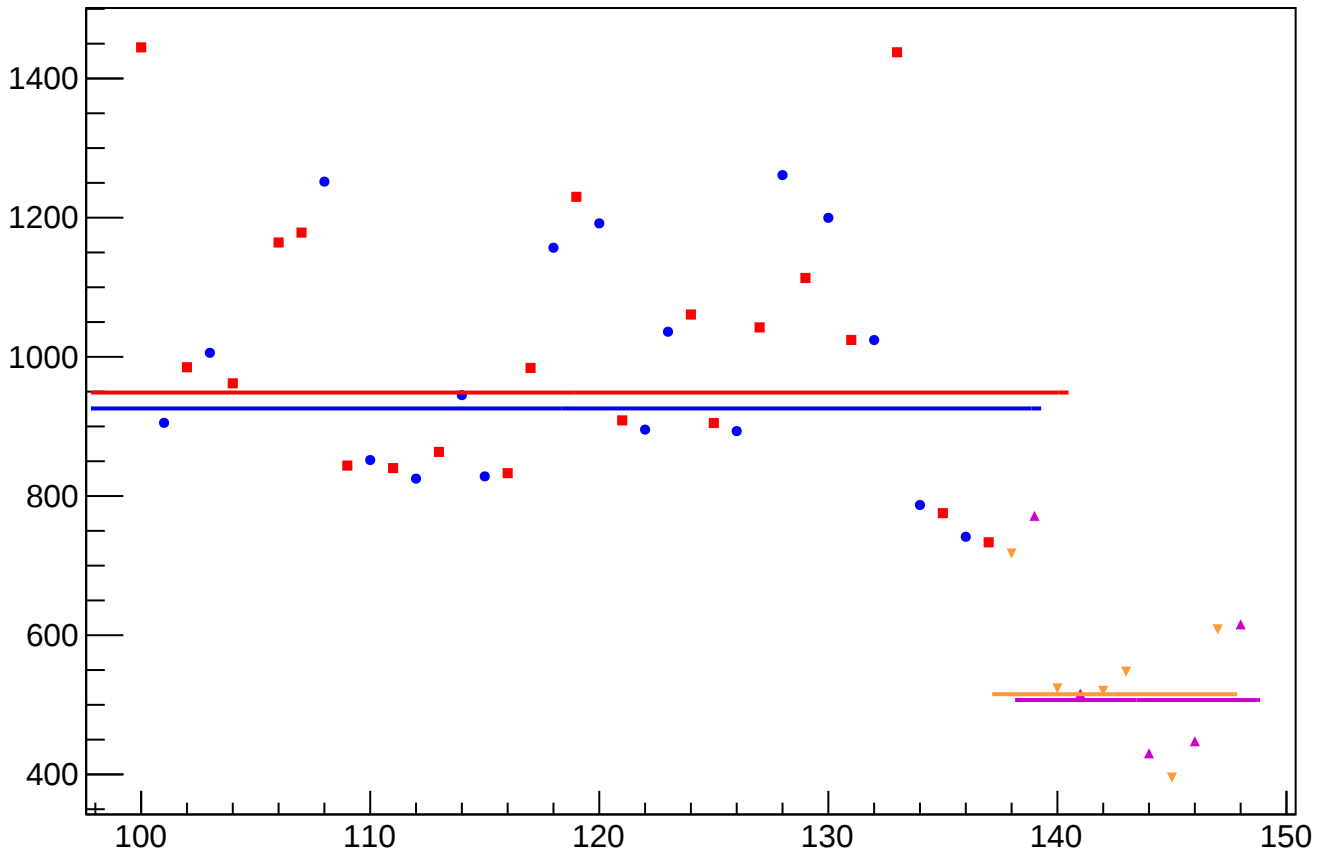
Right Out: -747.208 $\pm$ 360.830 χ^2/NDF : 13.4/19

Left In: -286.386 $\pm$ 258.209 χ^2/NDF : 2.2/4

-660.767 $\pm$ 210.985 χ^2/NDF : 41.0/22

-442.448 $\pm$ 209.983 χ^2/NDF : 16.8/24

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2/NDF : 391084.5/16

Left Out: 515.267 $\pm$ 0.182 χ^2/NDF : 295092.0/5

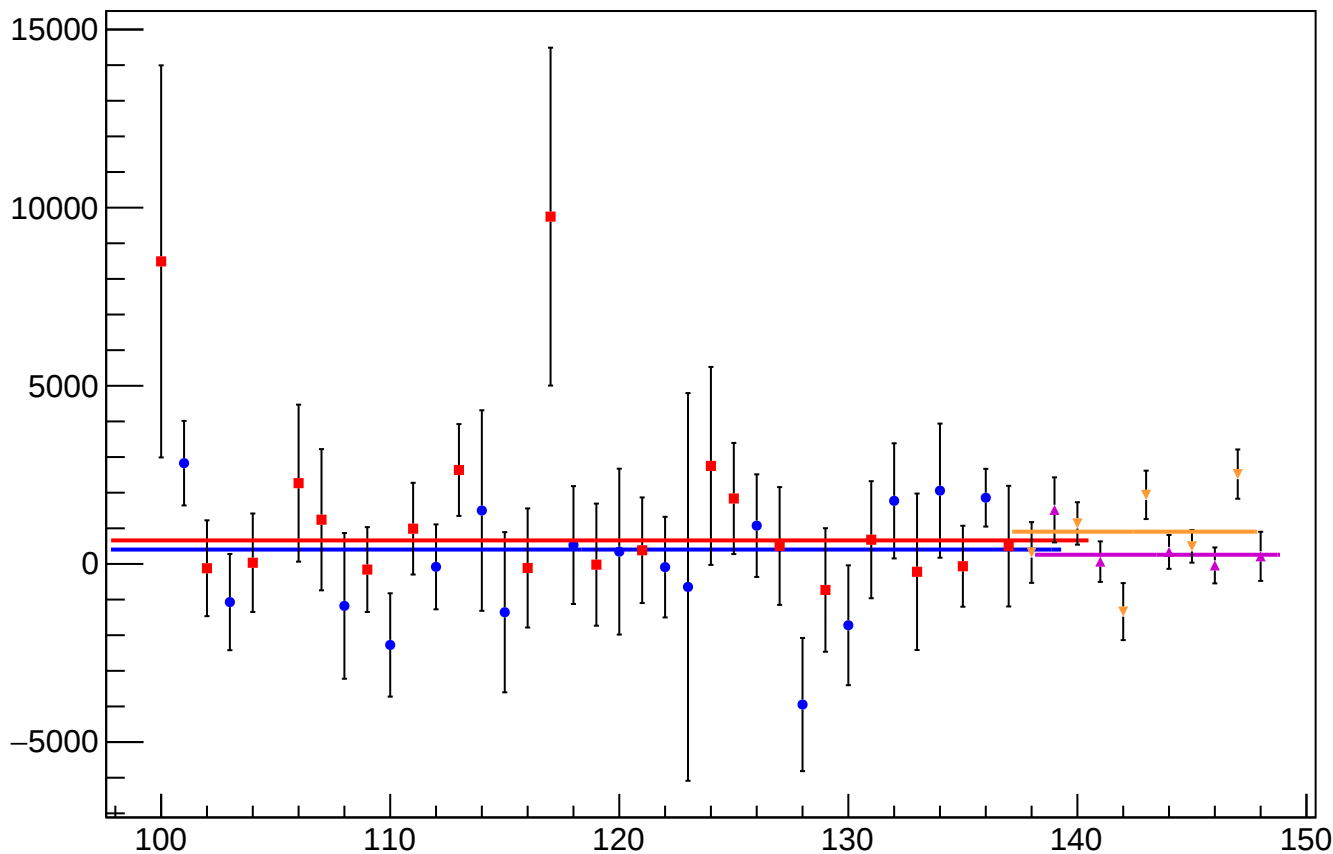
Right Out: 948.760 $\pm$ 0.255 χ^2/NDF : 382044.0/19

Left In: 506.880 $\pm$ 0.183 χ^2/NDF : 301934.3/4

651.396 $\pm$ 0.149 χ^2/NDF : 2364998.6/22

656.527 $\pm$ 0.148 χ^2/NDF : 2667595.1/24

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591 ± 367.686 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 905.867 ± 260.103 $\chi^2/\text{NDF}: 17.1/5$

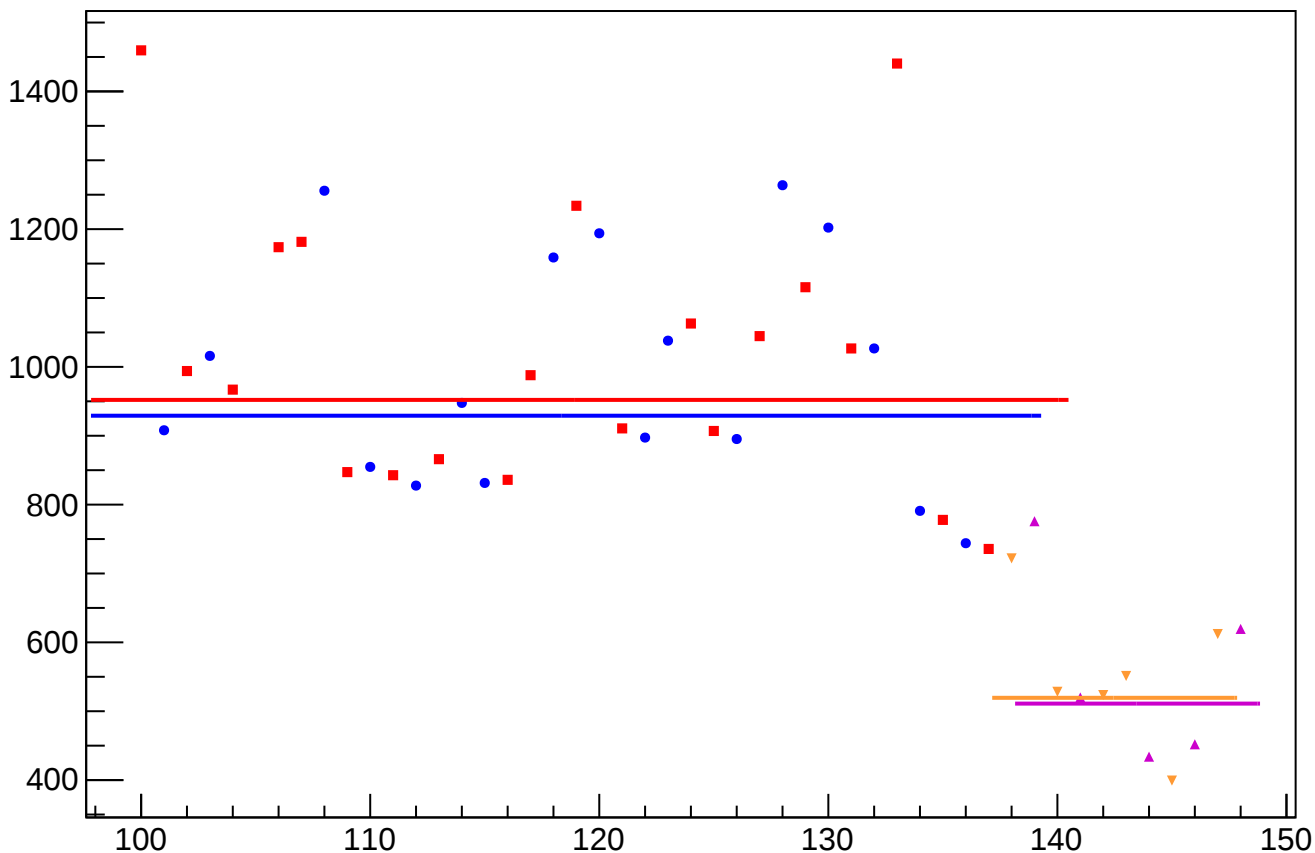
Right Out: 660.630 ± 362.265 $\chi^2/\text{NDF}: 12.5/19$

Left In: 257.858 ± 260.270 $\chi^2/\text{NDF}: 2.4/4$

738.348 ± 212.343 $\chi^2/\text{NDF}: 40.7/22$

394.980 ± 211.373 $\chi^2/\text{NDF}: 15.7/24$

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 519.480+/-0.184 χ^2/NDF : 290966.6/5

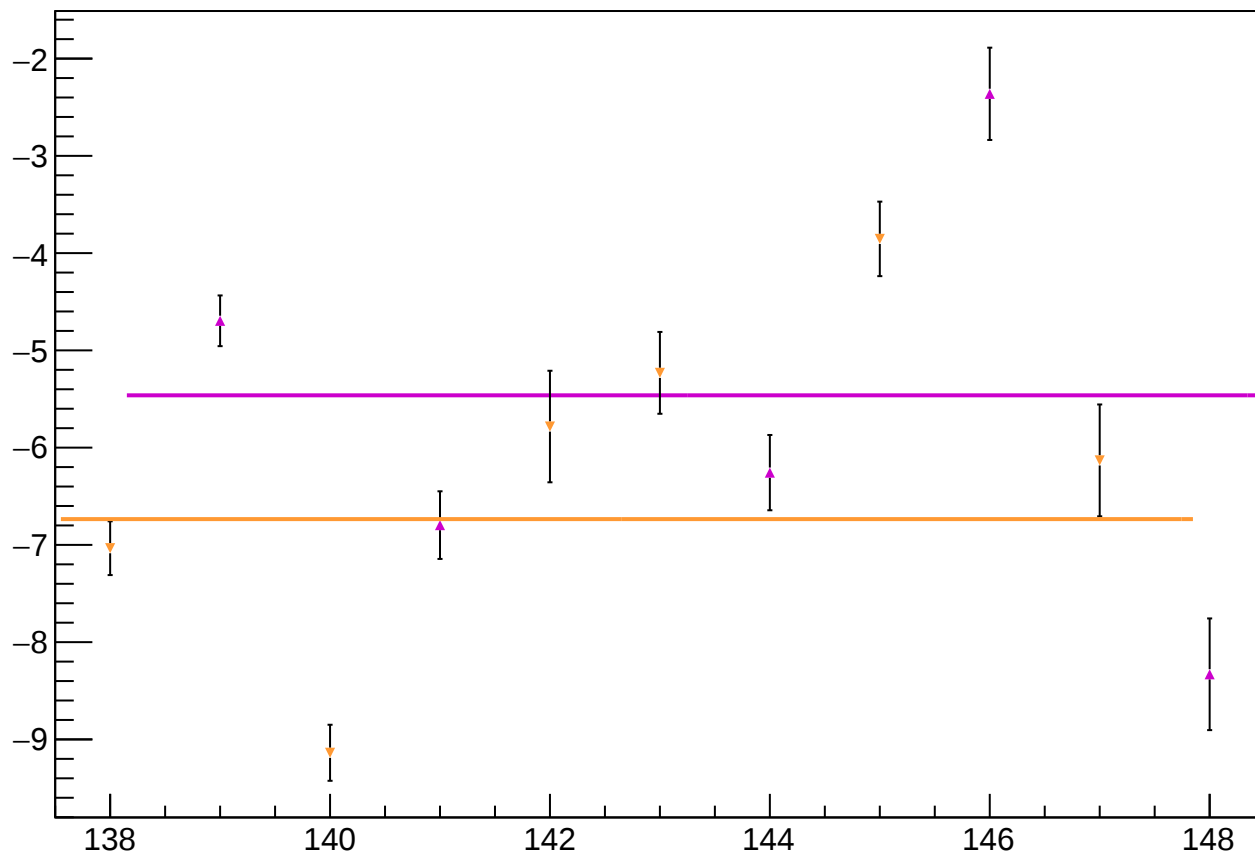
Right Out: 952.057+/-0.256 χ^2/NDF : 382334.5/19

Left In: 511.064+/-0.184 χ^2/NDF : 298326.6/4

656.095+/-0.150 χ^2/NDF : 2335573.0/22

661.198+/-0.149 χ^2/NDF : 2635413.9/24

reg_asym_sam1_diff_bpm1X_slope vs Slug



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

Left Out: -6.735+/-0.151 χ^2/NDF : 143.9/5

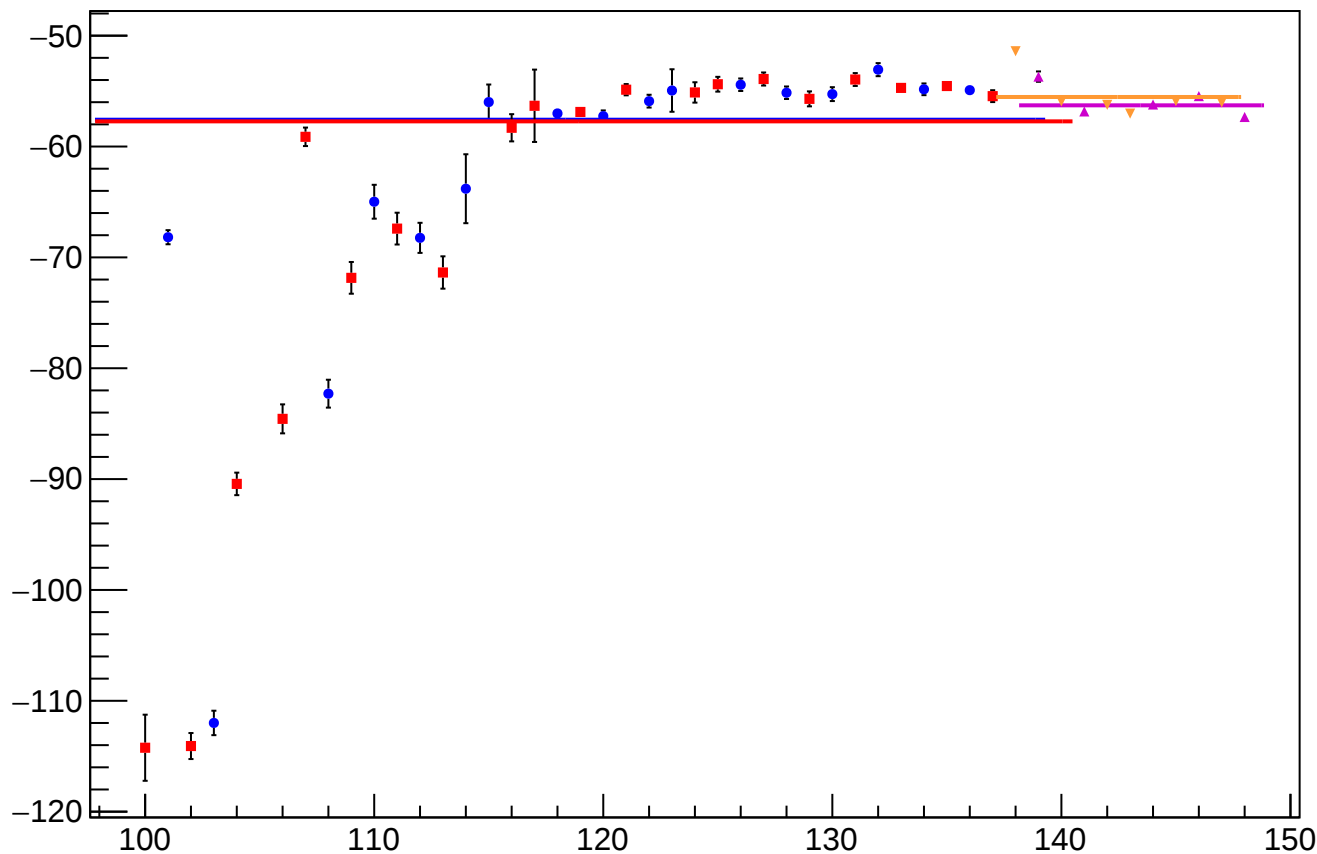
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -5.462+/-0.164 χ^2/NDF : 95.2/4

-6.735+/-0.151 χ^2/NDF : 143.9/5

-5.462+/-0.164 χ^2/NDF : 95.2/4

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -55.531 ± 0.121 χ^2/NDF : 201.1/5

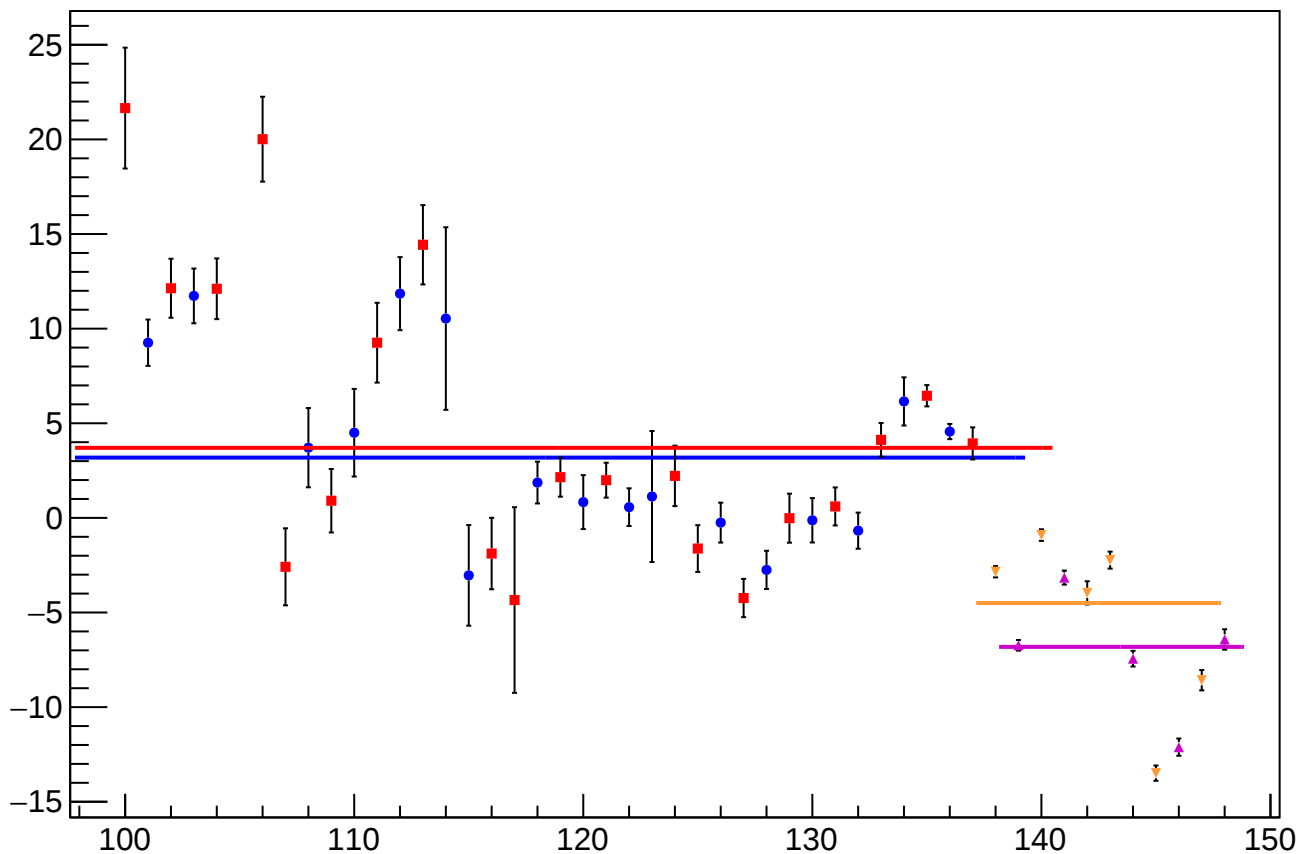
Right Out: -57.730 ± 0.143 χ^2/NDF : 4698.7/19

Left In: -56.284 ± 0.134 χ^2/NDF : 56.5/4

-56.383 ± 0.092 χ^2/NDF : 3776.5/22

-56.958 ± 0.098 χ^2/NDF : 4809.9/24

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185+/-0.259 χ^2/NDF : 185.8/16

Left Out: -4.499+/-0.160 χ^2/NDF : 745.2/5

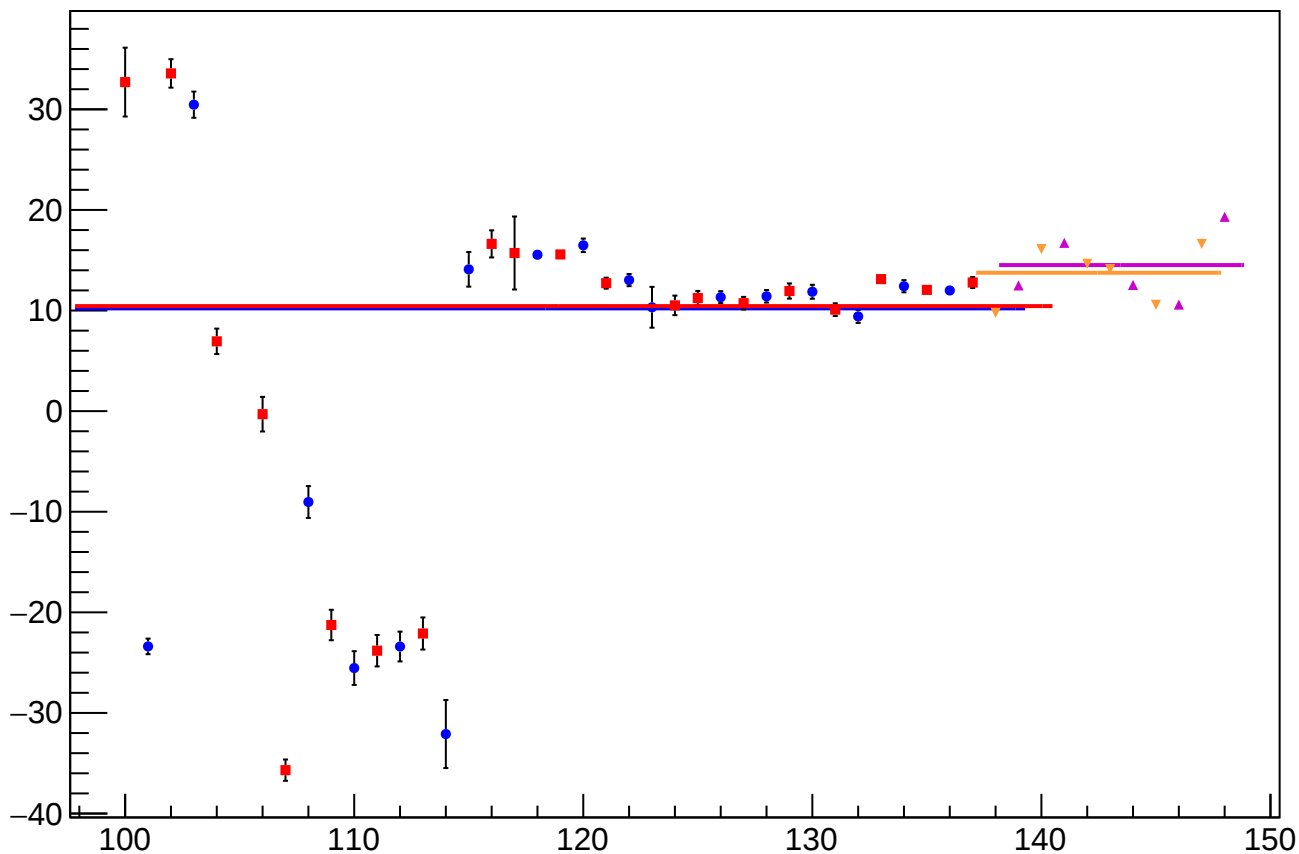
Right Out: 3.702+/-0.267 χ^2/NDF : 326.8/19

Left In: -6.816+/-0.172 χ^2/NDF : 236.0/4

-2.370+/-0.136 χ^2/NDF : 1567.4/22

-3.742+/-0.144 χ^2/NDF : 1660.1/24

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215+/-0.158 χ^2/NDF : 3692.6/16

Left Out: 13.756+/-0.145 χ^2/NDF : 332.3/5

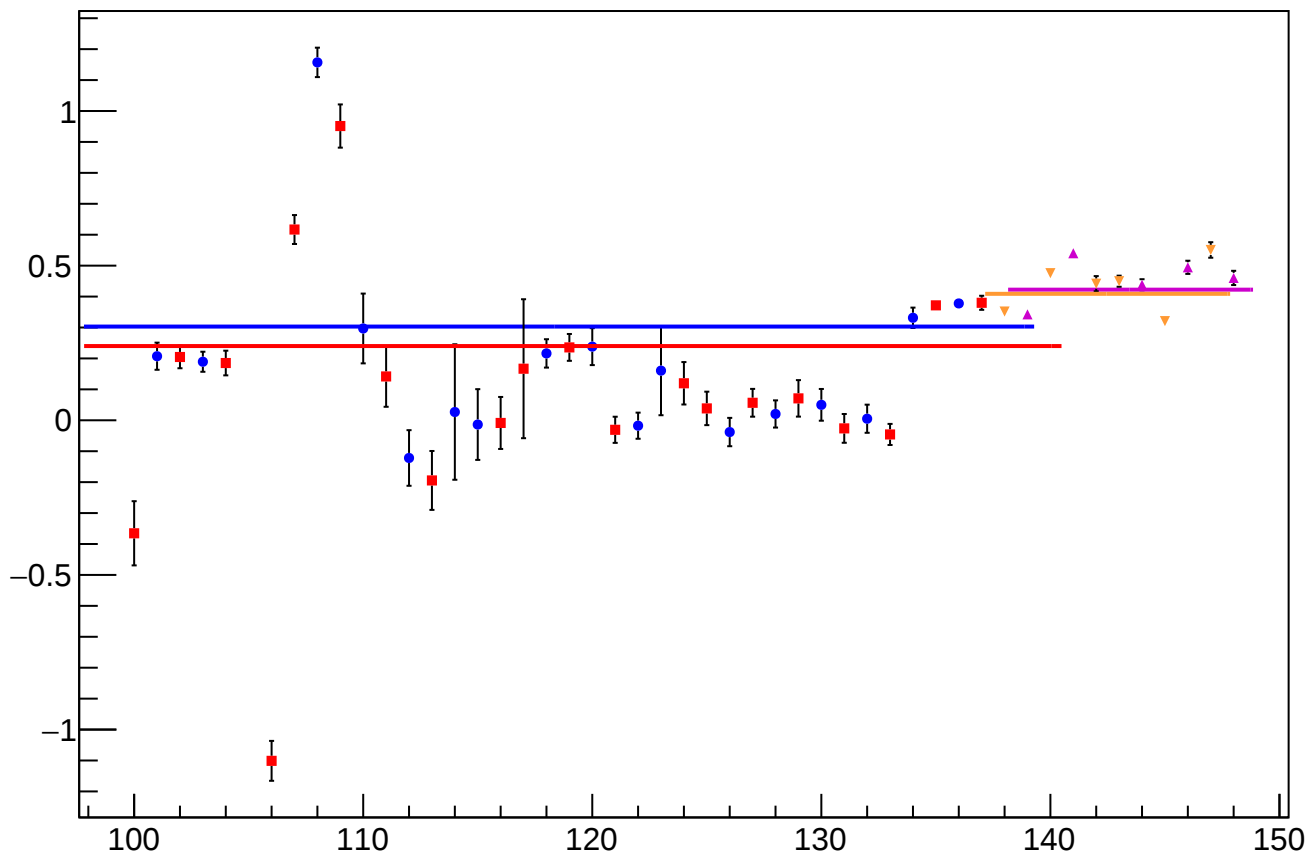
Right Out: 10.440+/-0.160 χ^2/NDF : 3829.1/19

Left In: 14.519+/-0.161 χ^2/NDF : 366.0/4

12.141+/-0.107 χ^2/NDF : 4297.8/22

12.468+/-0.113 χ^2/NDF : 4518.7/24

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.409 $\pm$ 0.007 χ^2 /NDF:119.8/5

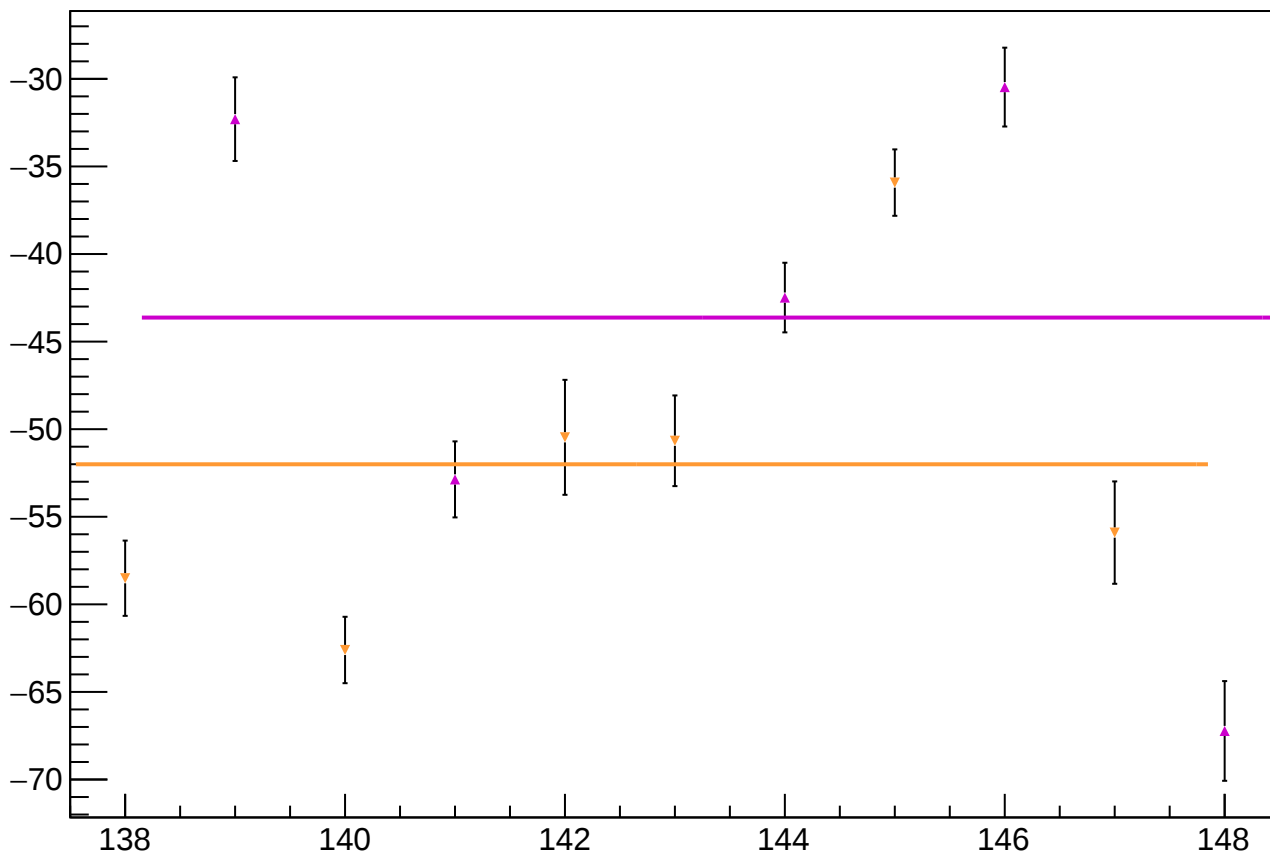
Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.5/19

Left In: 0.422 $\pm$ 0.007 χ^2 /NDF:142.5/4

0.368 $\pm$ 0.005 χ^2 /NDF: 868.0/22

0.352 $\pm$ 0.005 χ^2 /NDF: 1407.9/24

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -52.003+/-0.940 χ^2/NDF :114.7/5

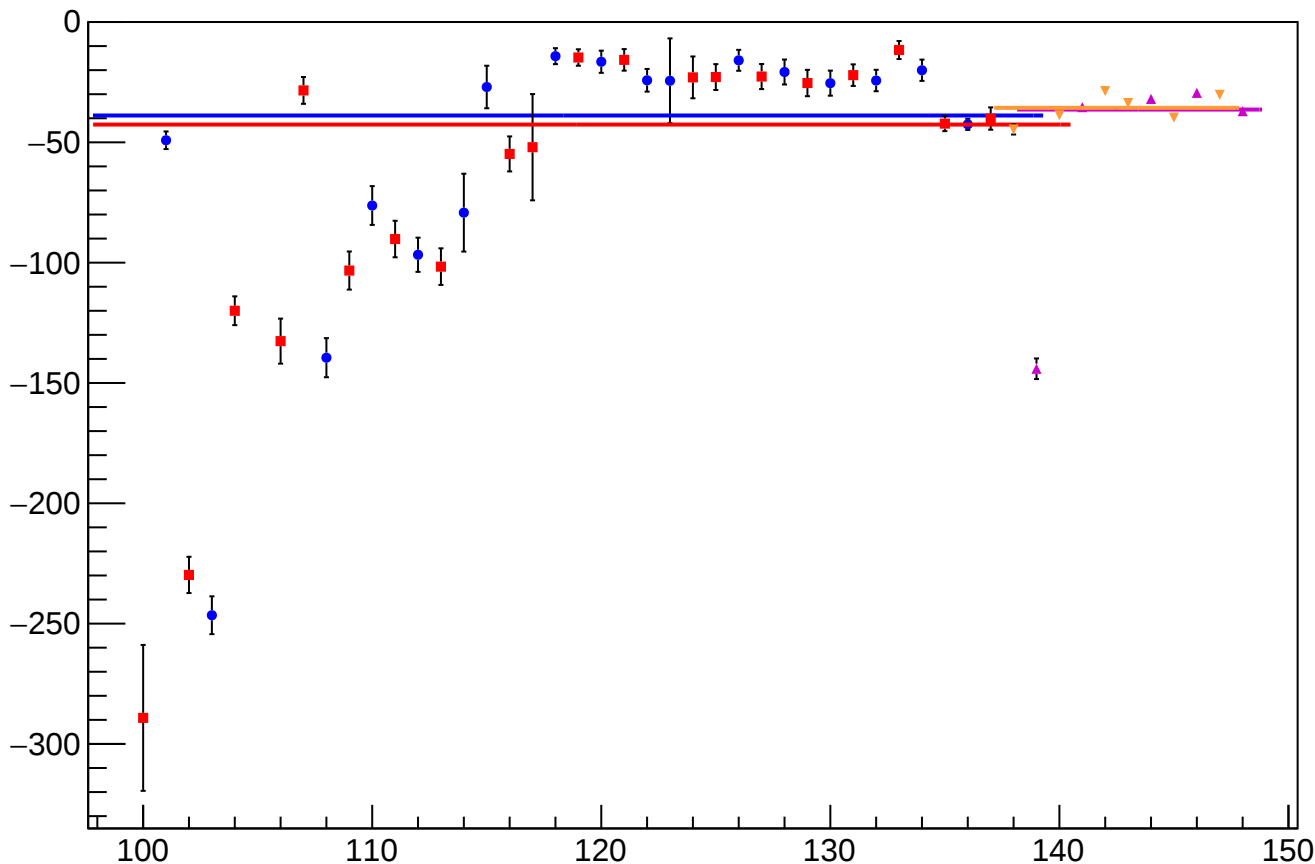
-52.003+/-0.940 χ^2/NDF : 114.7/5

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

-43.628+/-1.020 χ^2/NDF : 143.9/4

Left In: -43.628+/-1.020 χ^2/NDF :143.9/4

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -35.665 ± 0.684 χ^2/NDF : 56.8/5

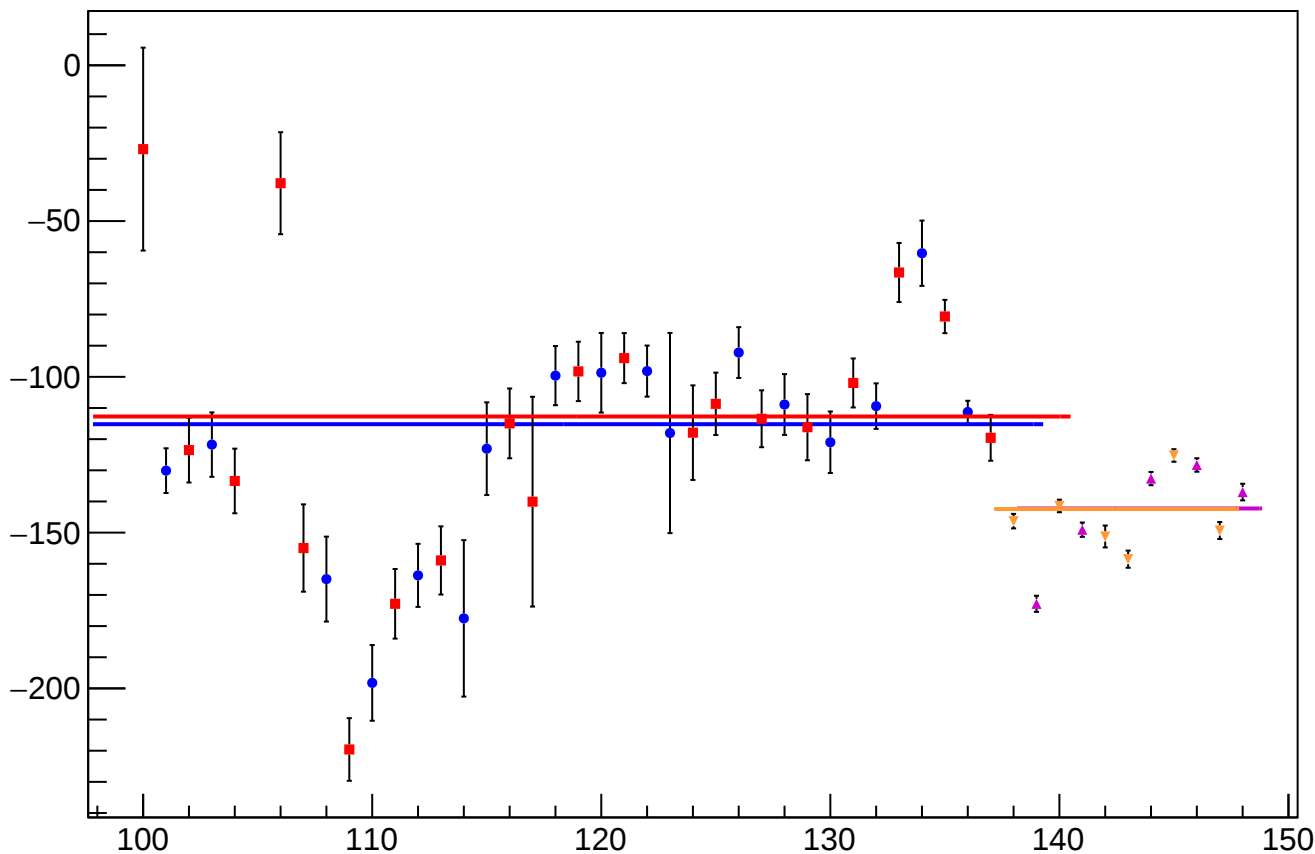
Right Out: -42.614 ± 1.208 χ^2/NDF : 1345.9/19

Left In: -36.379 ± 0.706 χ^2/NDF : 668.5/4

-36.498 ± 0.588 χ^2/NDF : 1184.4/22

-37.966 ± 0.610 χ^2/NDF : 2034.2/24

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199+/-2.081 χ^2/NDF : 140.8/16

Left Out: -142.428+/-0.989 χ^2/NDF : 122.3/5

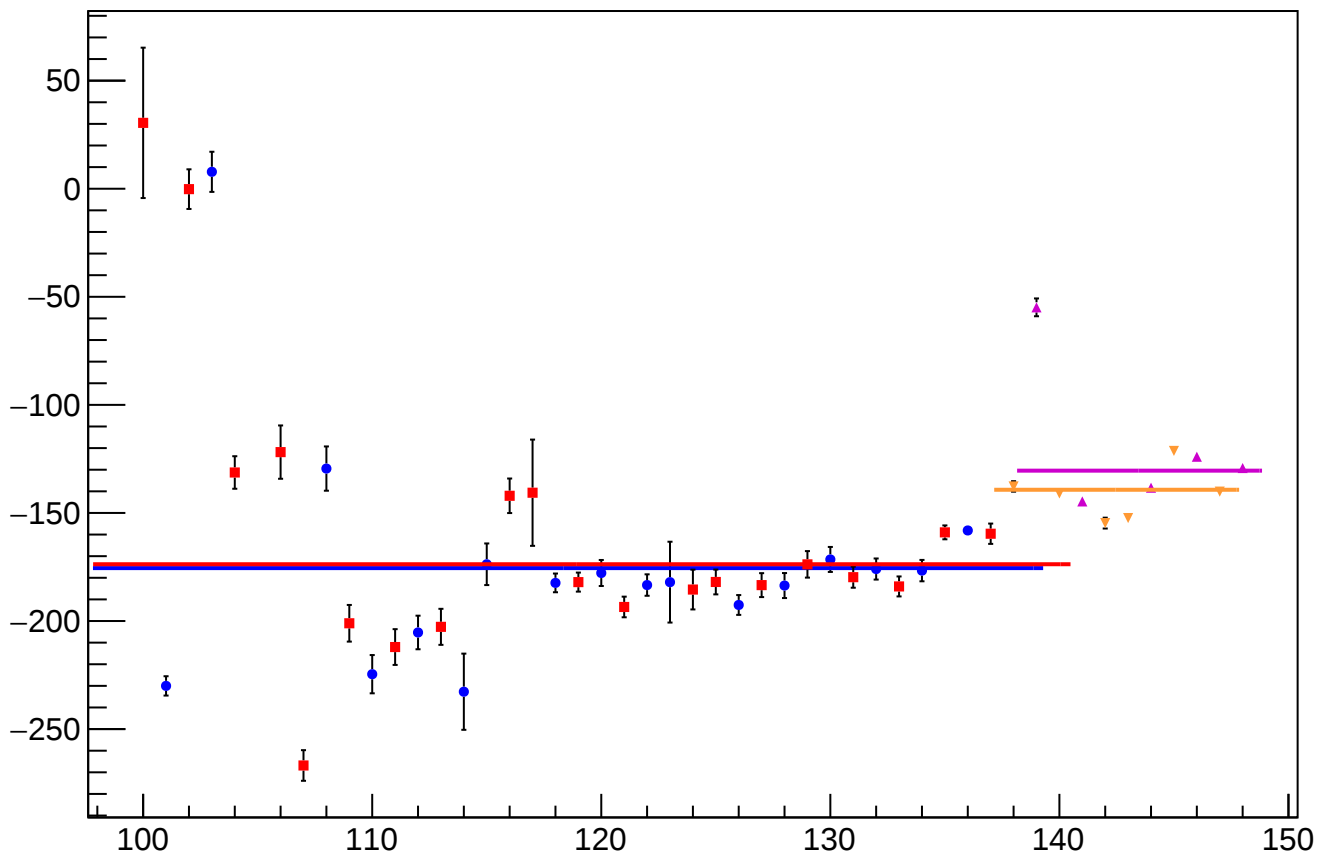
Right Out: -112.729+/-2.205 χ^2/NDF : 273.1/19

Left In: -142.250+/-1.047 χ^2/NDF : 214.8/4

-137.411+/-0.893 χ^2/NDF : 402.6/22

-136.821+/-0.945 χ^2/NDF : 634.2/24

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -139.275 ± 0.837 χ^2/NDF : 180.4/5

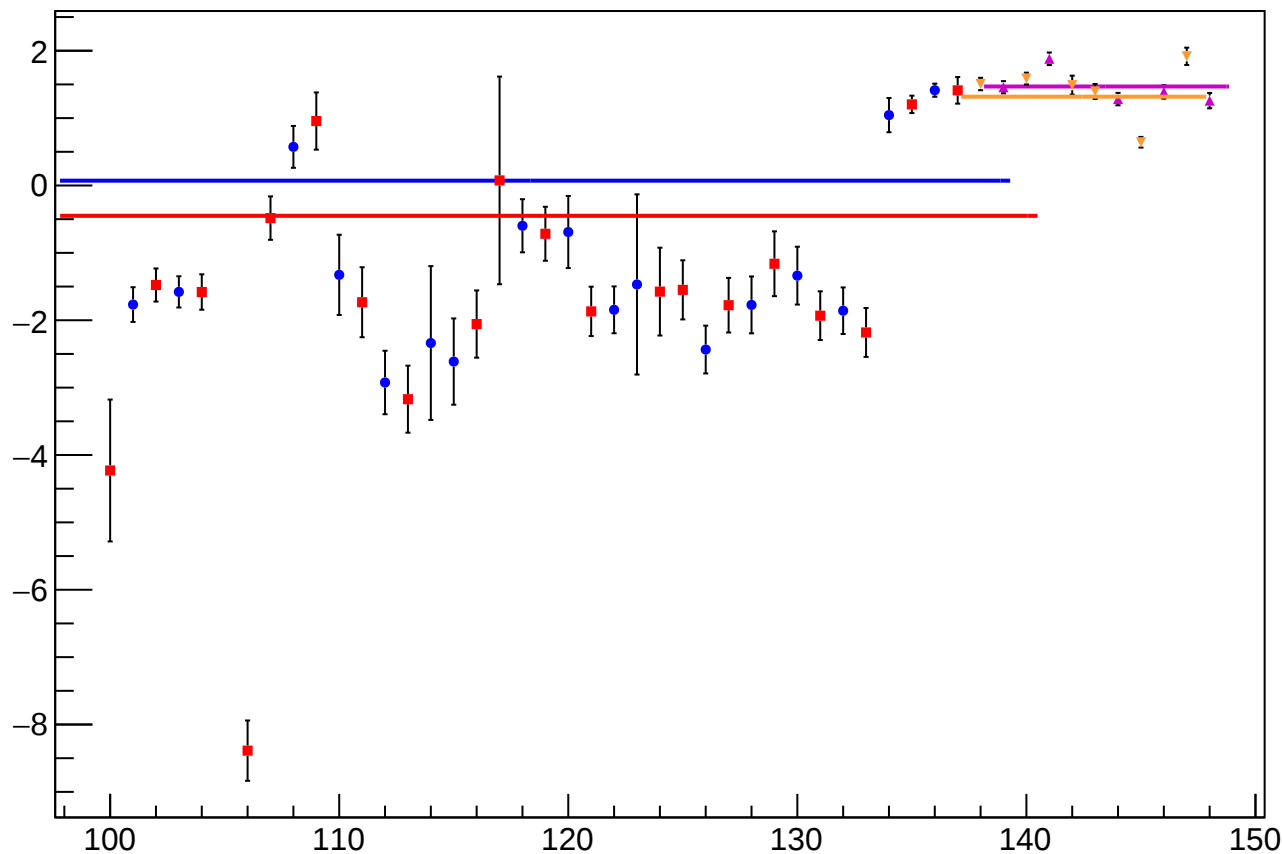
Right Out: -173.729 ± 1.354 χ^2/NDF : 739.7/19

Left In: -130.433 ± 0.878 χ^2/NDF : 430.8/4

-150.163 ± 0.700 χ^2/NDF : 1436.2/22

-143.253 ± 0.737 χ^2/NDF : 1889.8/24

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.318 ± 0.041 χ^2/NDF : 110.4/5

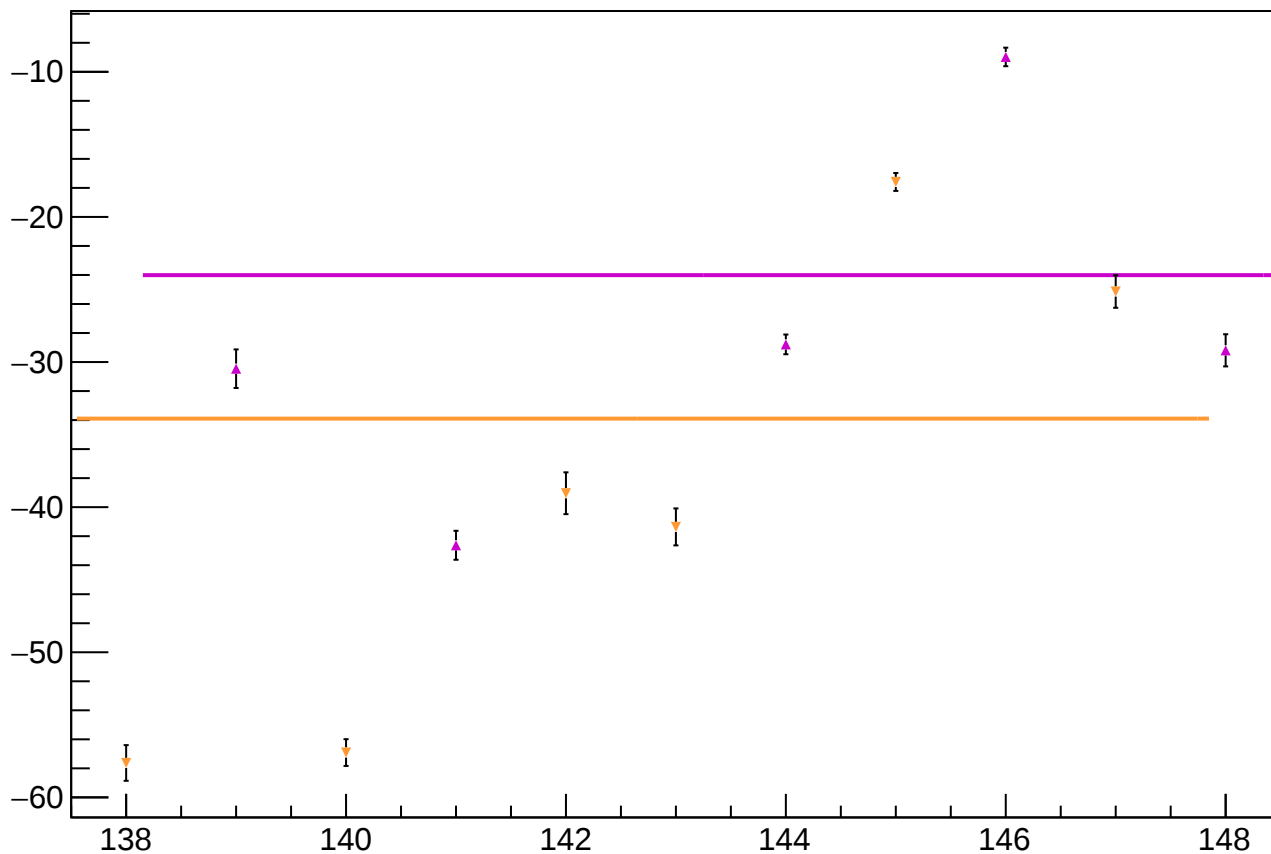
Right Out: -0.450 ± 0.071 χ^2/NDF : 751.4/19

Left In: 1.469 ± 0.043 χ^2/NDF : 27.6/4

0.981 ± 0.035 χ^2/NDF : 887.1/22

0.948 ± 0.037 χ^2/NDF : 1307.7/24

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -33.898+/-0.397 χ^2/NDF : 1801.2/5

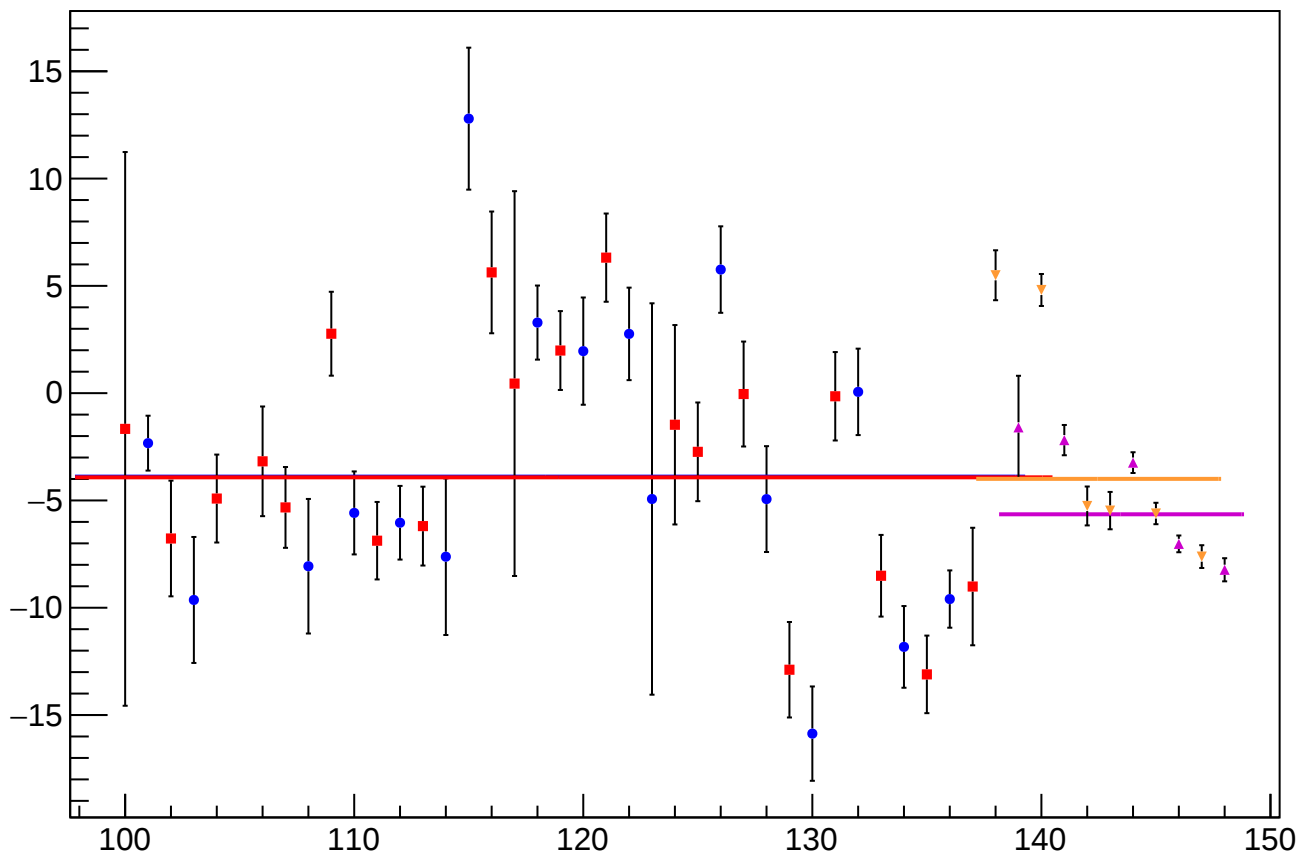
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -24.012+/-0.378 χ^2/NDF : 996.9/4

-33.898+/-0.397 χ^2/NDF : 1801.2/5

-24.012+/-0.378 χ^2/NDF : 996.9/4

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -3.994 ± 0.281 $\chi^2/\text{NDF}: 267.8/5$

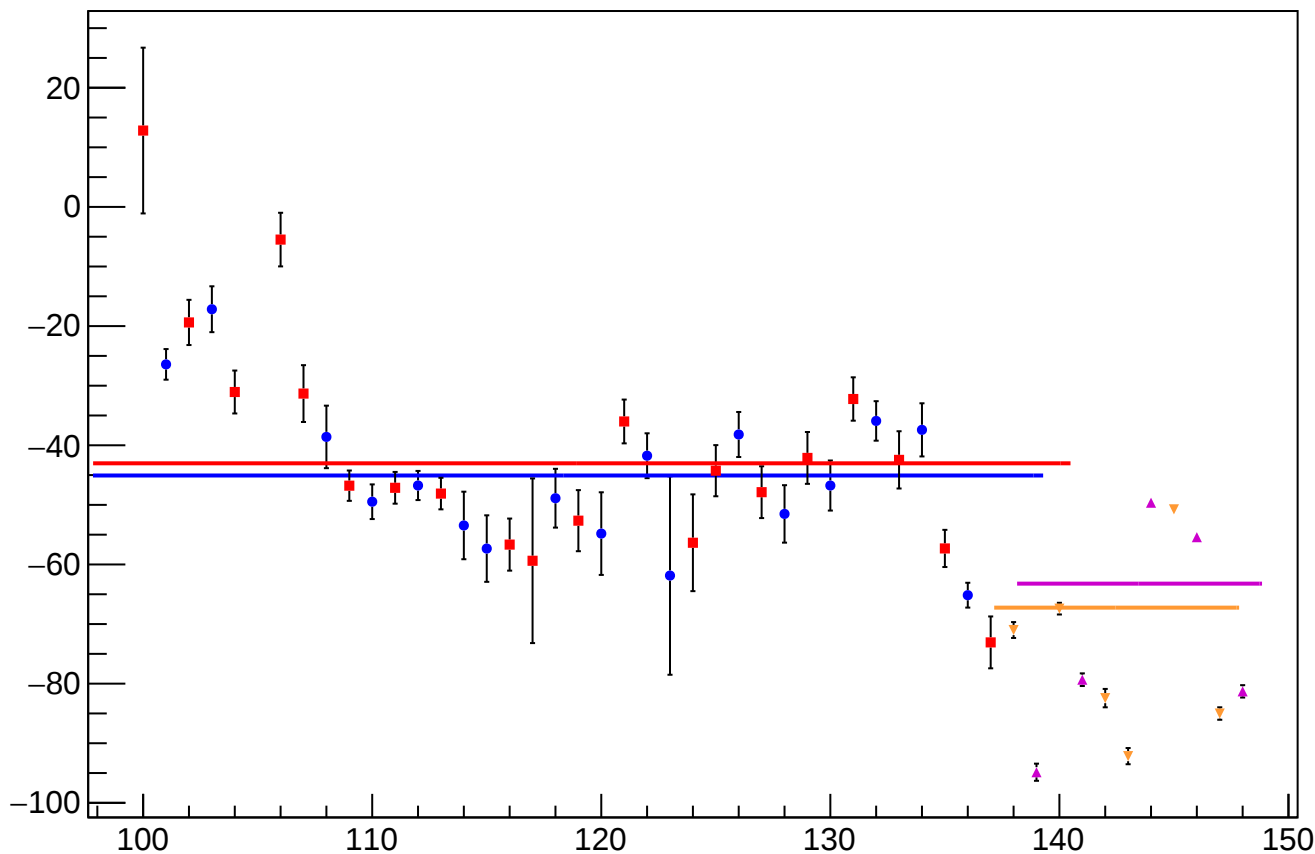
Right Out: -3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

Left In: -5.645 ± 0.247 $\chi^2/\text{NDF}: 87.1/4$

-3.969 ± 0.245 $\chi^2/\text{NDF}: 428.3/22$

-5.315 ± 0.222 $\chi^2/\text{NDF}: 218.9/24$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 $\chi^2/\text{NDF}: 229.7/16$

Left Out: -67.245 ± 0.415 $\chi^2/\text{NDF}: 1362.6/5$

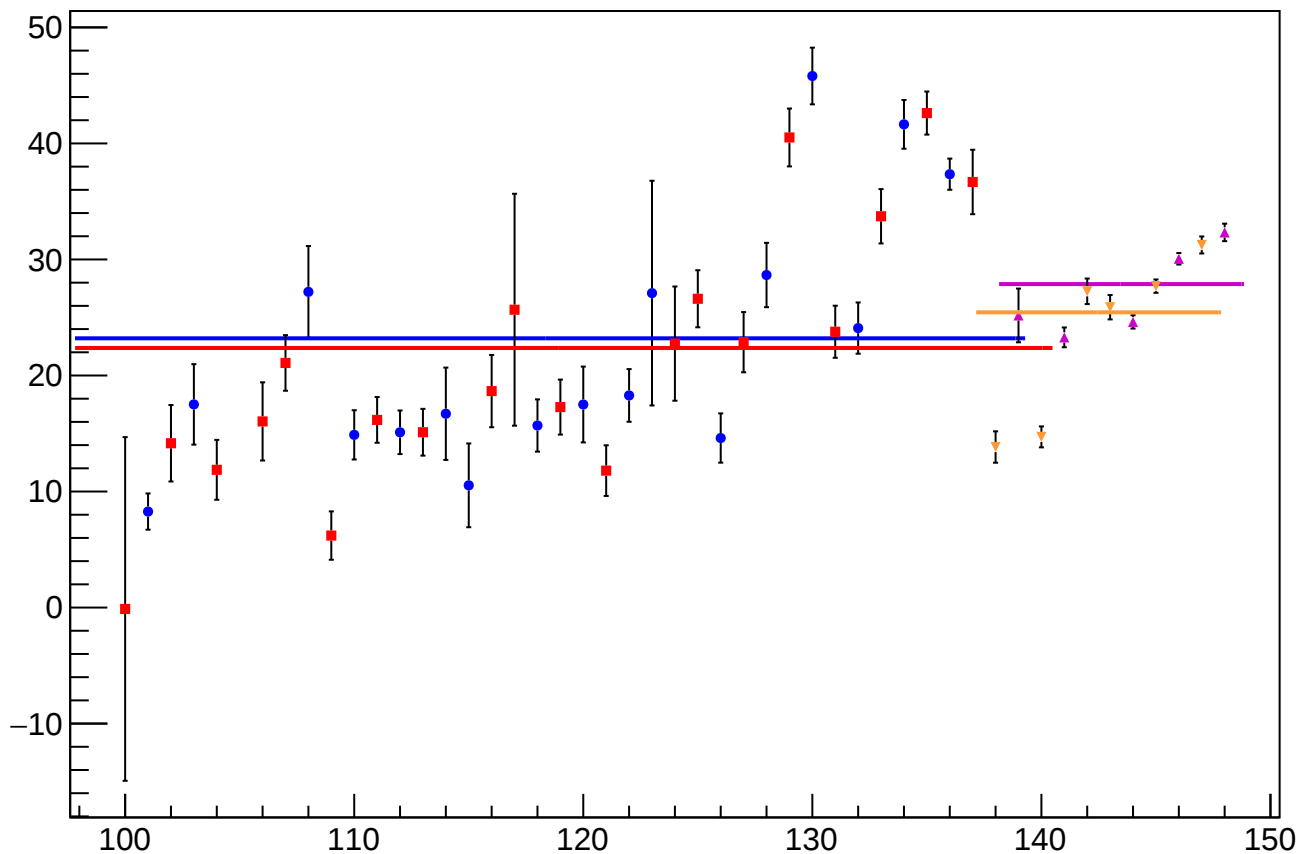
Right Out: -43.025 ± 0.876 $\chi^2/\text{NDF}: 249.7/19$

Left In: -63.217 ± 0.382 $\chi^2/\text{NDF}: 1526.2/4$

-63.233 ± 0.376 $\chi^2/\text{NDF}: 2108.5/22$

-59.987 ± 0.350 $\chi^2/\text{NDF}: 2222.1/24$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2/NDF : 457.3/16

Left Out: 25.443 $\pm$ 0.345 χ^2/NDF : 296.3/5

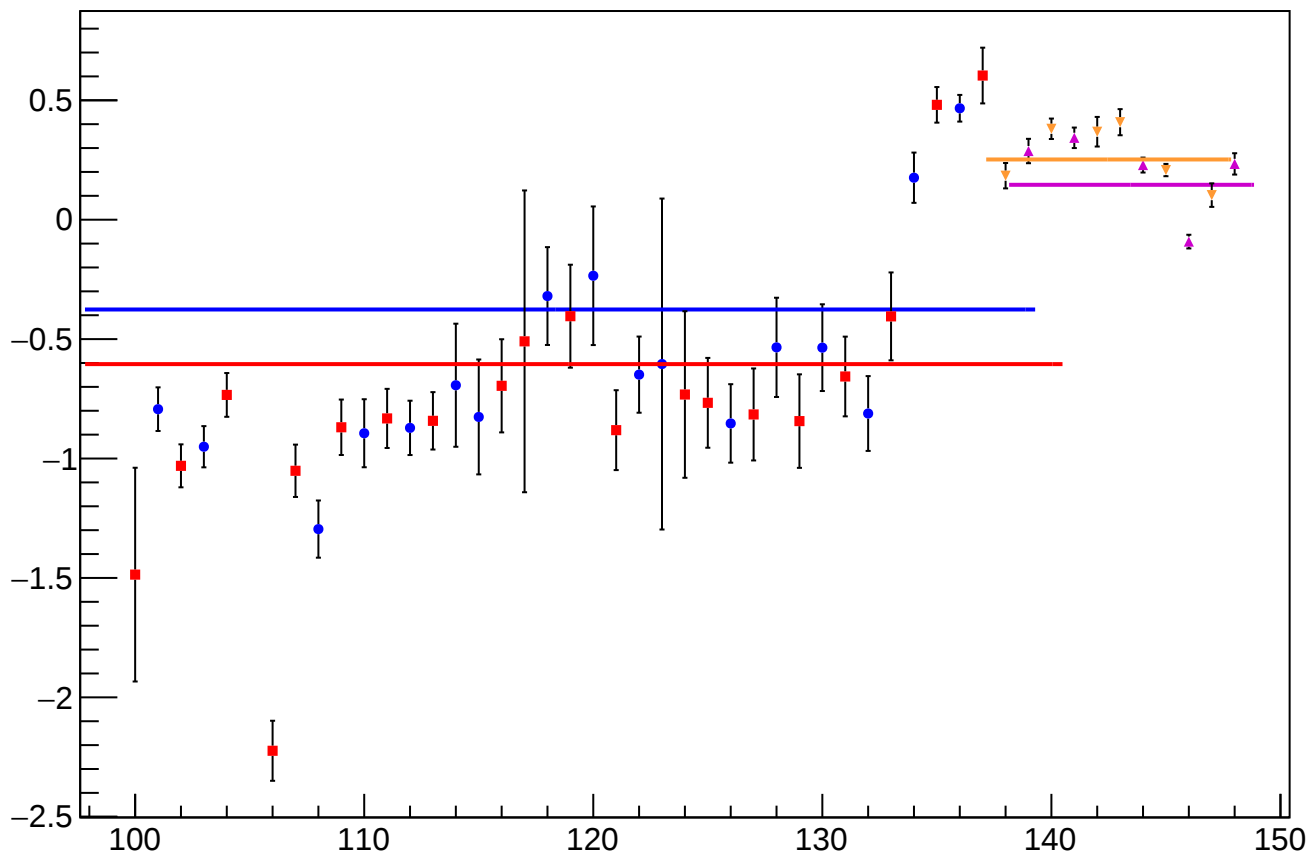
Right Out: 22.372 $\pm$ 0.572 χ^2/NDF : 367.0/19

Left In: 27.878 $\pm$ 0.309 χ^2/NDF : 116.9/4

24.825 $\pm$ 0.294 χ^2/NDF : 765.2/22

26.630 $\pm$ 0.272 χ^2/NDF : 555.7/24

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376±/0.030 χ^2/NDF : 437.3/16

Left Out: 0.252±/0.017 χ^2/NDF : 34.5/5

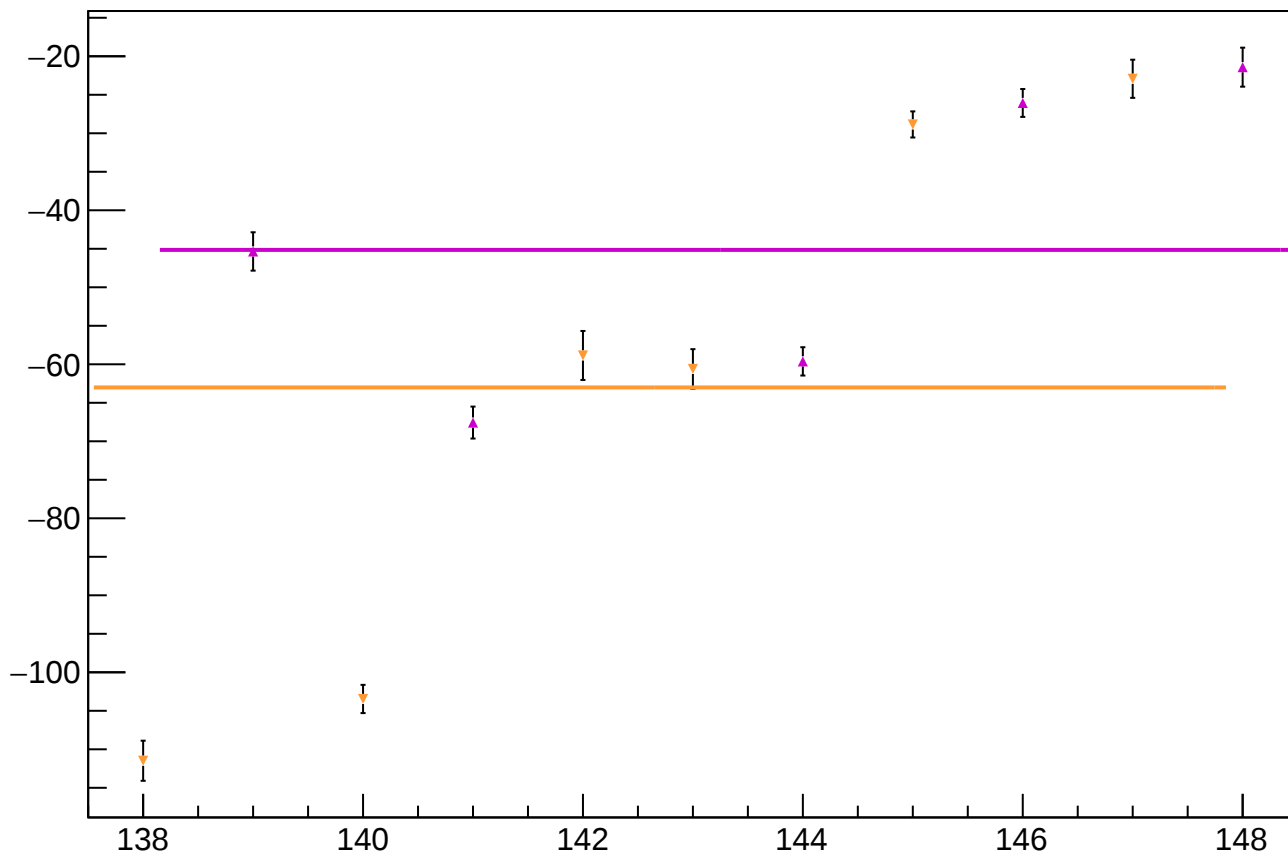
Right Out: -0.605±/0.030 χ^2/NDF : 551.2/19

Left In: 0.146±/0.017 χ^2/NDF : 108.4/4

0.099±/0.015 χ^2/NDF : 800.6/22

-0.027±/0.014 χ^2/NDF : 1135.6/24

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -63.008+/-0.910 χ^2/NDF : 1504.2/5

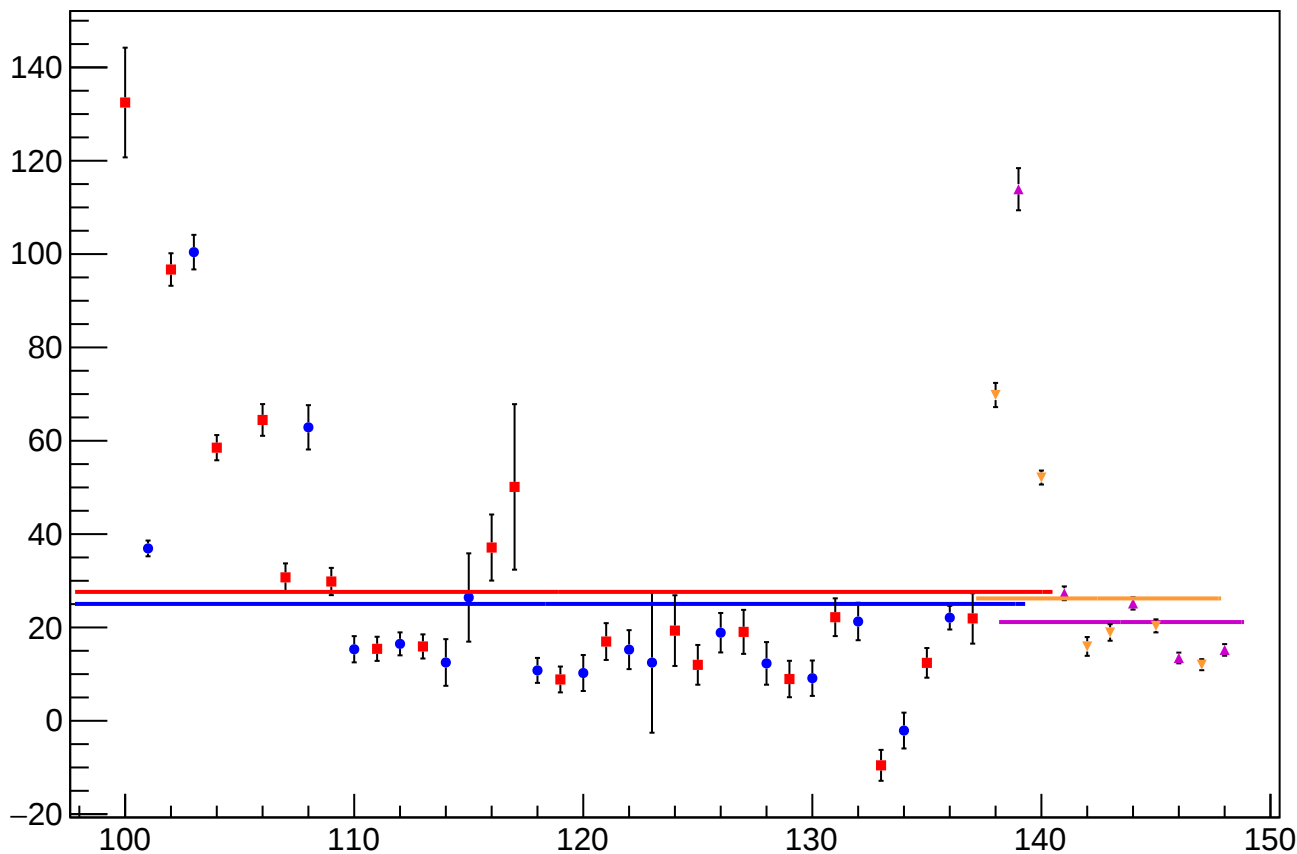
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -45.145+/-0.932 χ^2/NDF : 377.8/4

-63.008+/-0.910 χ^2/NDF : 1504.2/5

-45.145+/-0.932 χ^2/NDF : 377.8/4

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 26.220 $\pm$ 0.647 χ^2 /NDF: 785.6/5

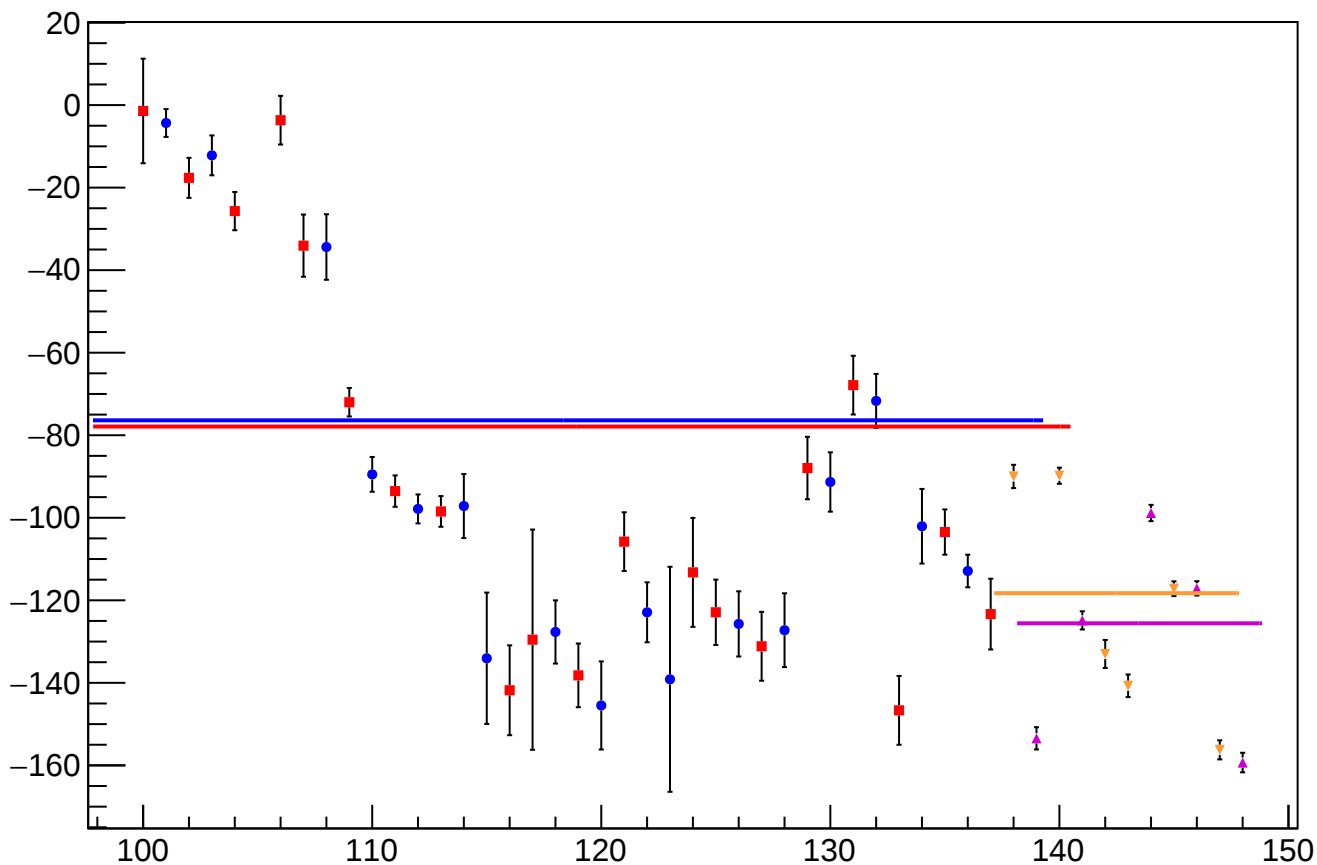
Right Out: 27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

Left In: 21.157 $\pm$ 0.634 χ^2 /NDF: 515.9/4

25.760 $\pm$ 0.505 χ^2 /NDF: 1473.3/22

23.618 $\pm$ 0.499 χ^2 /NDF: 1569.8/24

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -118.274 ± 0.951 $\chi^2/\text{NDF}: 668.5/5$

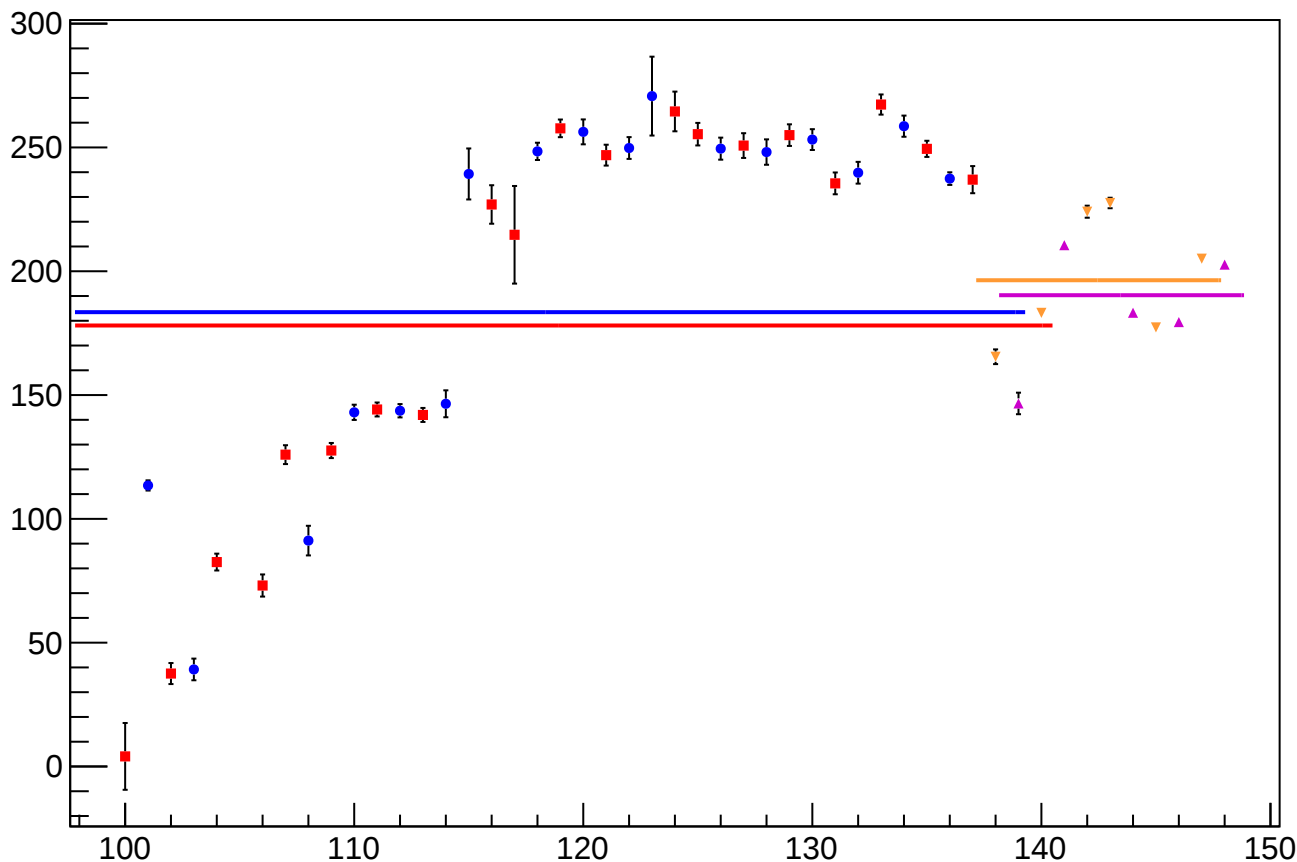
Right Out: -77.894 ± 1.351 $\chi^2/\text{NDF}: 876.4/19$

Left In: -125.574 ± 0.950 $\chi^2/\text{NDF}: 517.0/4$

-105.258 ± 0.790 $\chi^2/\text{NDF}: 2303.2/22$

-109.807 ± 0.777 $\chi^2/\text{NDF}: 2226.9/24$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 196.367 $\pm$ 0.796 χ^2 /NDF: 676.1/5

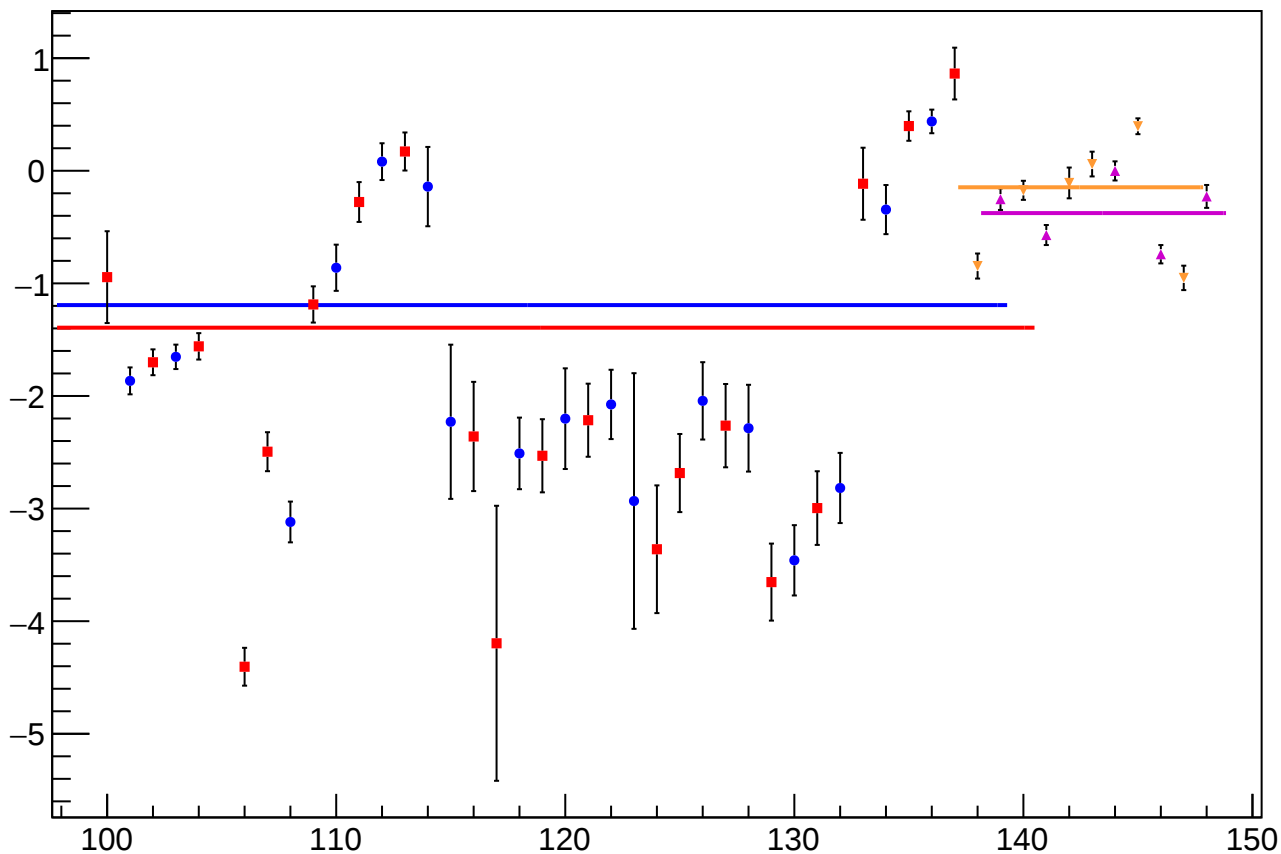
Right Out: 178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

Left In: 190.324 $\pm$ 0.790 χ^2 /NDF: 359.4/4

190.836 $\pm$ 0.602 χ^2 /NDF: 6119.8/22

185.155 $\pm$ 0.600 χ^2 /NDF: 6810.0/24

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 $\chi^2/\text{NDF}: 621.7/16$

Left Out: -0.147 ± 0.039 $\chi^2/\text{NDF}: 157.7/5$

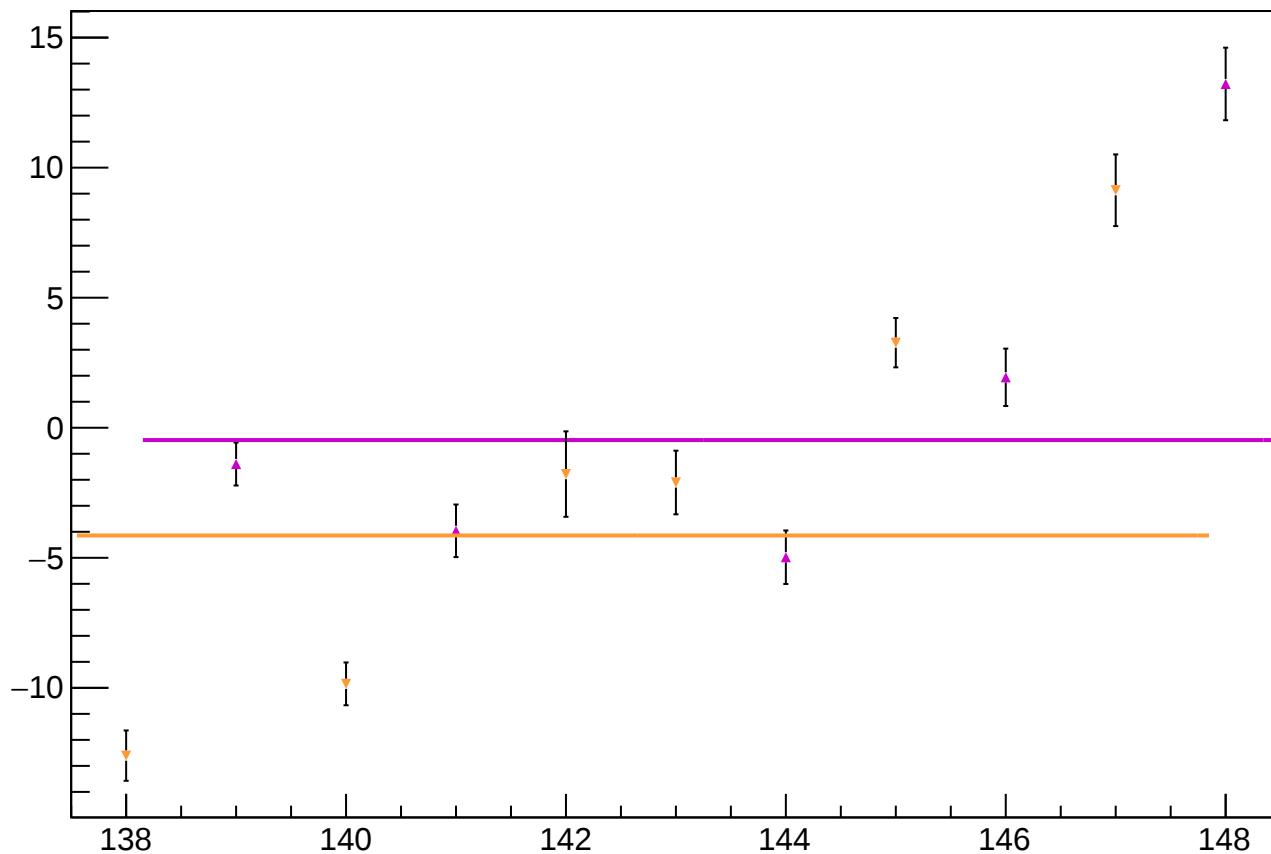
Right Out: -1.393 ± 0.046 $\chi^2/\text{NDF}: 925.8/19$

Left In: -0.376 ± 0.040 $\chi^2/\text{NDF}: 48.1/4$

-0.566 ± 0.031 $\chi^2/\text{NDF}: 1062.0/22$

-0.818 ± 0.030 $\chi^2/\text{NDF}: 1253.3/24$

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -4.140+/-0.438 χ^2/NDF : 283.3/5

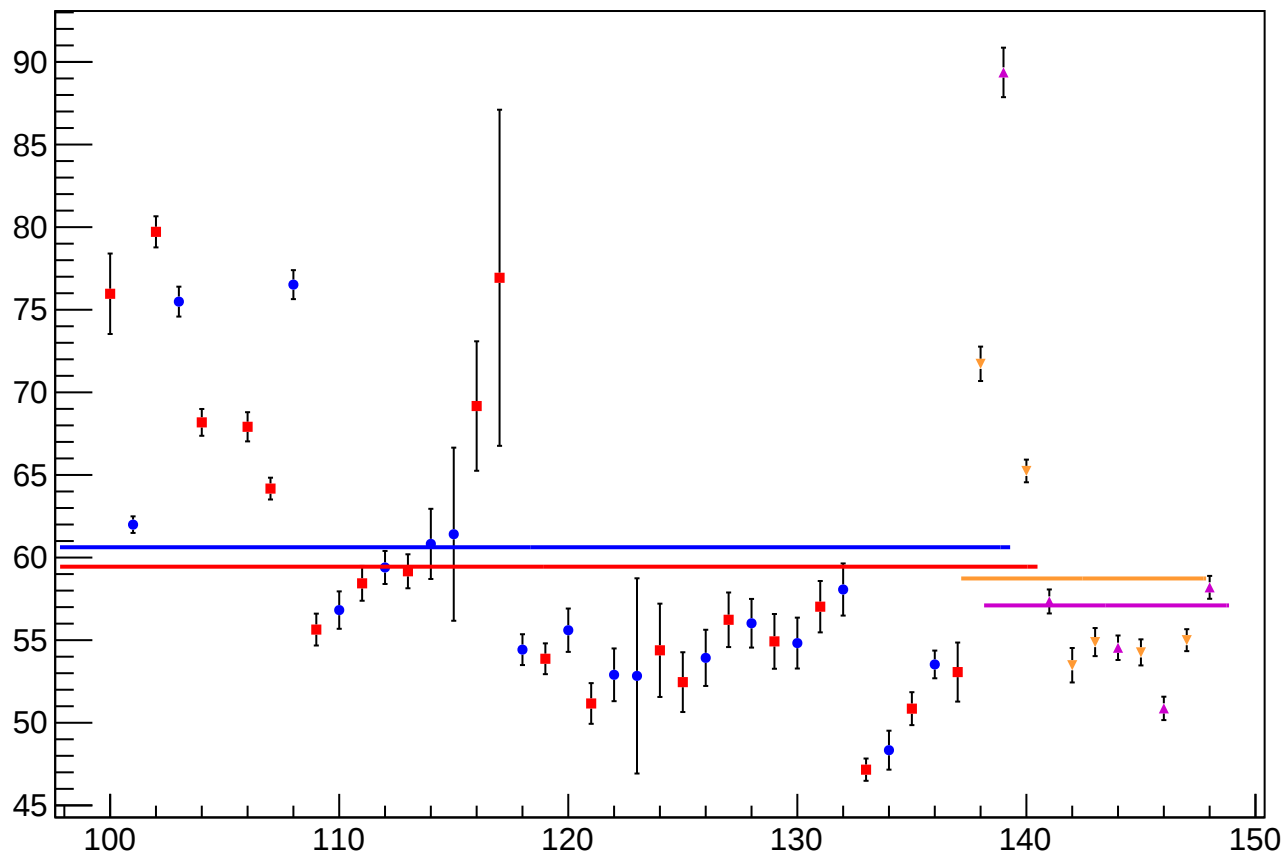
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.473+/-0.460 χ^2/NDF : 133.5/4

-4.140+/-0.438 χ^2/NDF : 283.3/5

-0.473+/-0.460 χ^2/NDF : 133.5/4

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 $\pm$ 0.263 χ^2/NDF : 924.6/16

Left Out: 58.734 $\pm$ 0.329 χ^2/NDF : 355.2/5

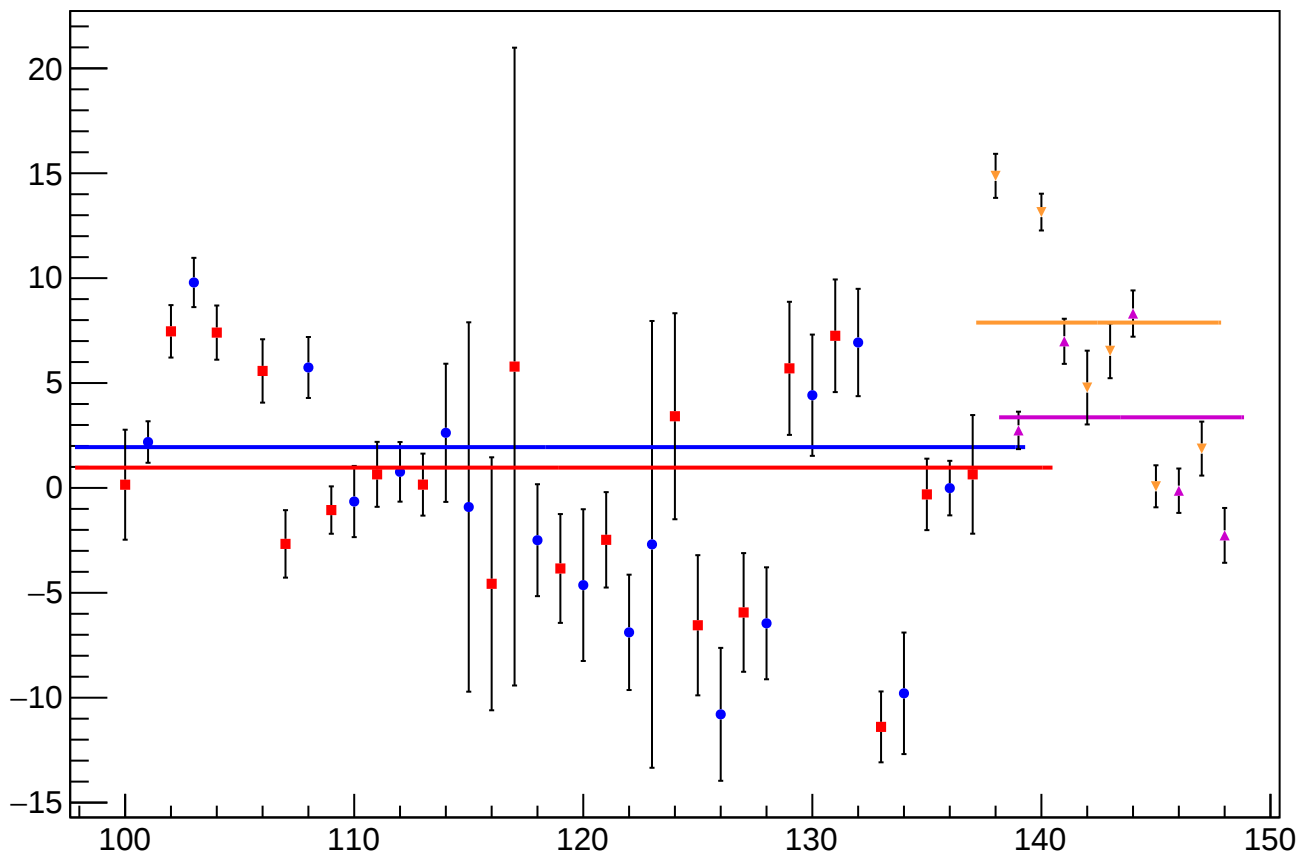
Right Out: 59.448 $\pm$ 0.248 χ^2/NDF : 1326.3/19

Left In: 57.103 $\pm$ 0.348 χ^2/NDF : 555.8/4

59.889 $\pm$ 0.206 χ^2/NDF : 1299.9/22

58.660 $\pm$ 0.202 χ^2/NDF : 1912.2/24

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945+/-0.459 χ^2/NDF : 120.6/16

Left Out: 7.881+/-0.460 χ^2/NDF : 167.2/5

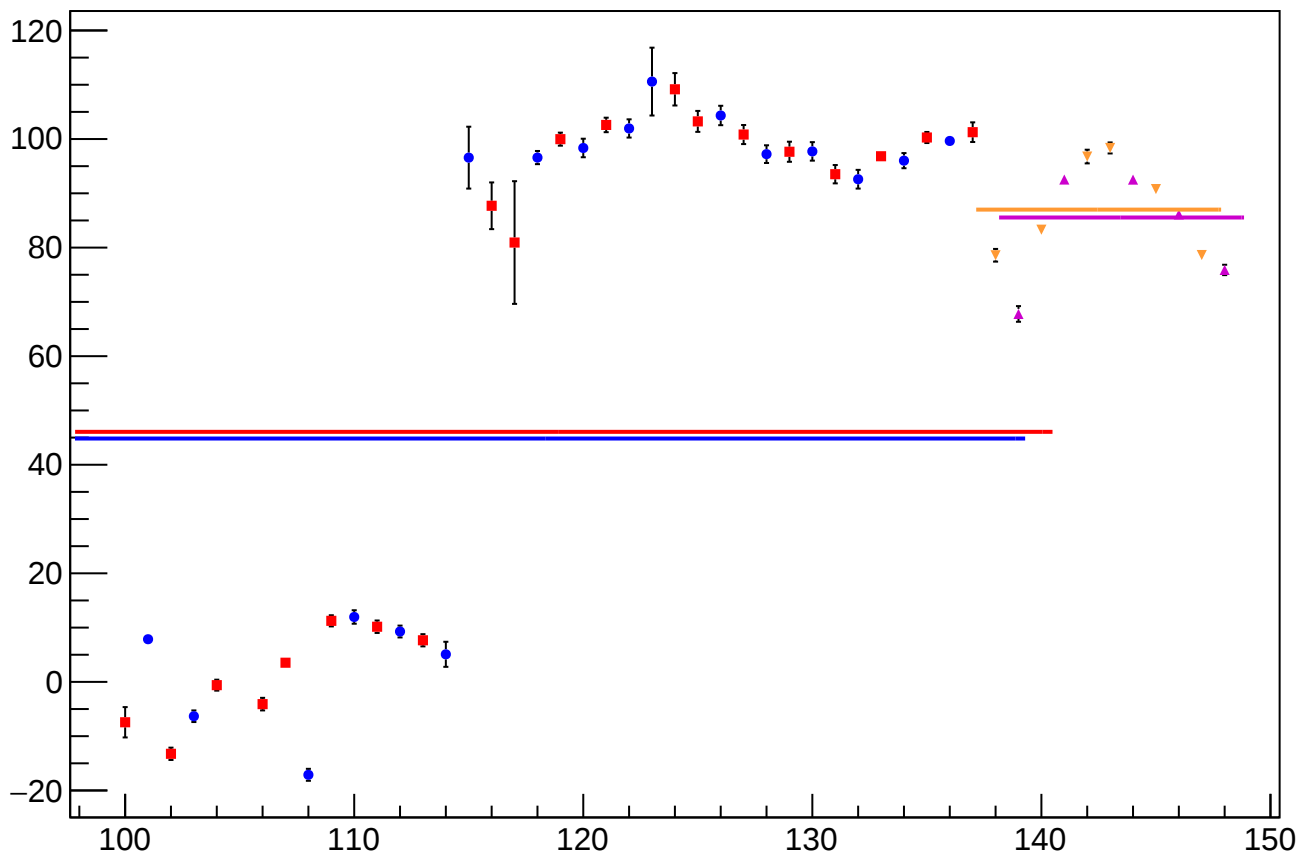
Right Out: 0.968+/-0.424 χ^2/NDF : 149.6/19

Left In: 3.366+/-0.476 χ^2/NDF : 61.4/4

4.903+/-0.325 χ^2/NDF : 371.2/22

2.031+/-0.317 χ^2/NDF : 225.2/24

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 ± 0.305 χ^2/NDF : 24763.1/16

Left Out: 86.999 ± 0.400 χ^2/NDF : 359.6/5

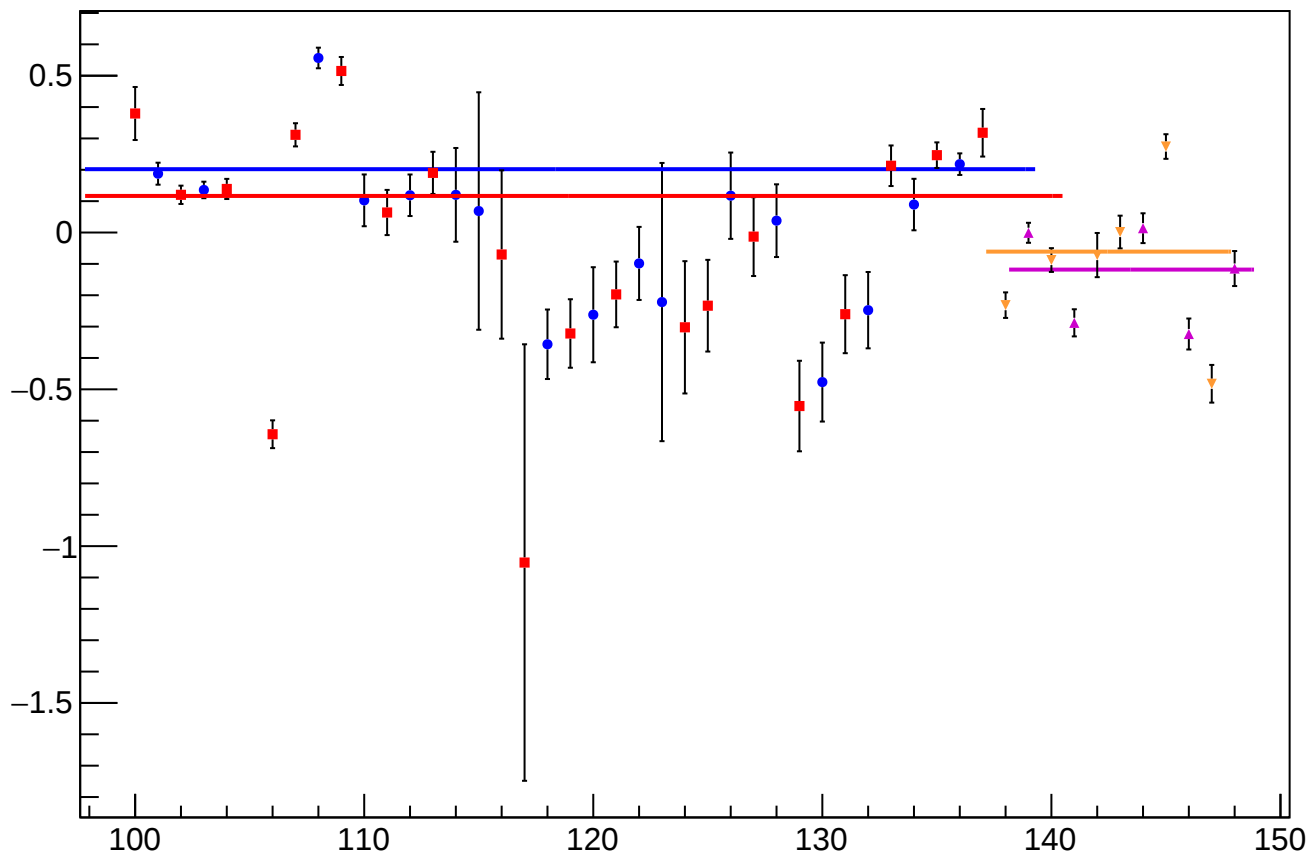
Right Out: 46.062 ± 0.289 χ^2/NDF : 28272.9/19

Left In: 85.545 ± 0.426 χ^2/NDF : 382.3/4

60.297 ± 0.242 χ^2/NDF : 32150.3/22

58.531 ± 0.239 χ^2/NDF : 34534.1/24

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.061 ± 0.019 χ^2/NDF : 141.6/5

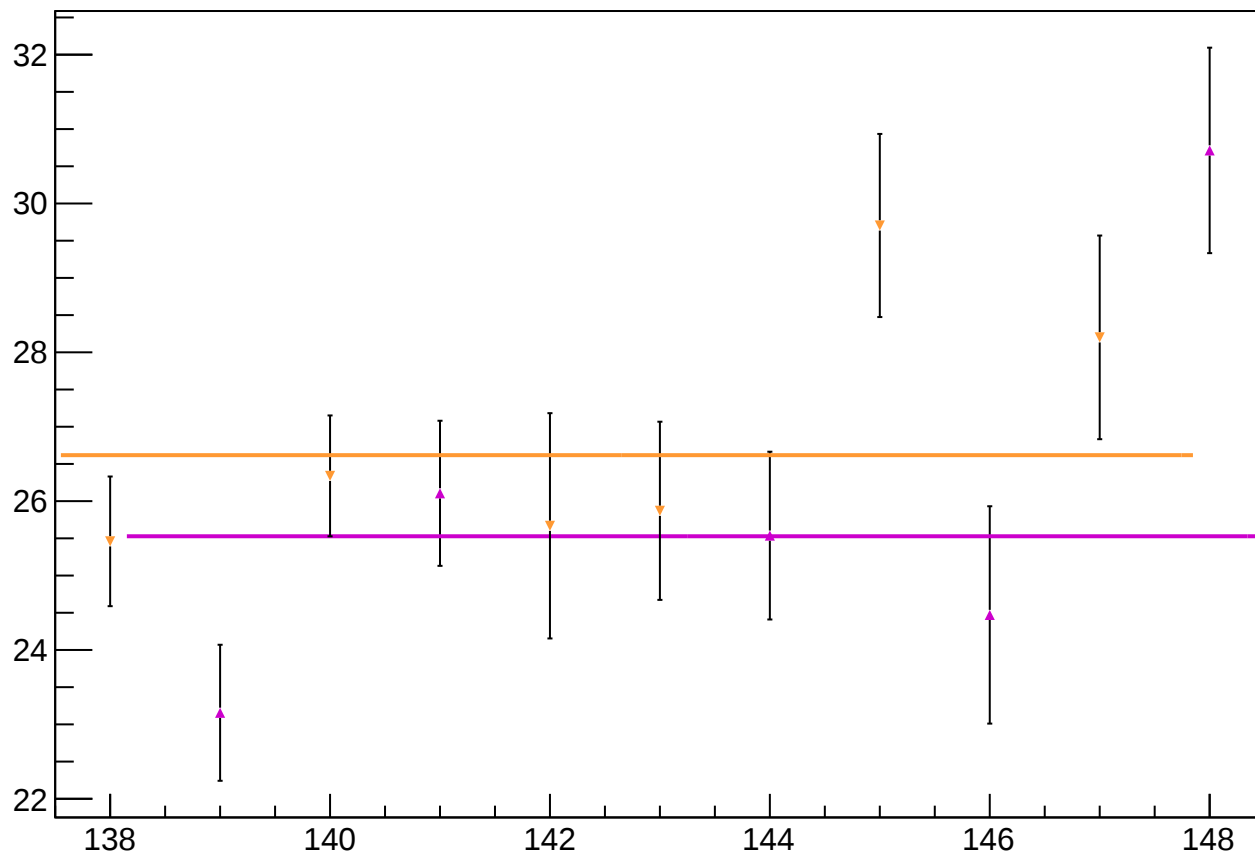
Right Out: 0.117 ± 0.013 χ^2/NDF : 502.5/19

Left In: -0.118 ± 0.019 χ^2/NDF : 54.0/4

0.109 ± 0.011 χ^2/NDF : 481.9/22

0.043 ± 0.011 χ^2/NDF : 658.3/24

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 26.618+/-0.440 χ^2/NDF : 10.3/5

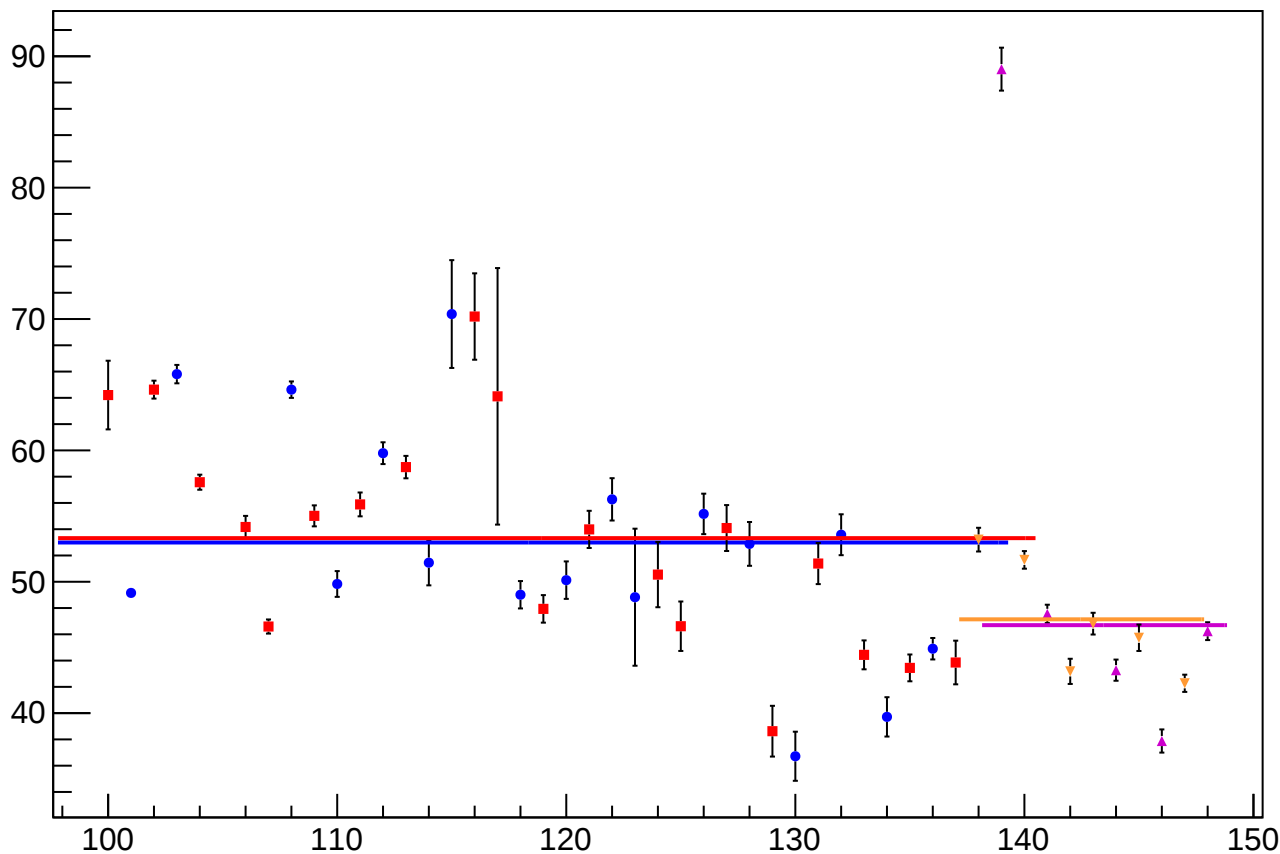
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 25.528+/-0.498 χ^2/NDF : 21.7/4

26.618+/-0.440 χ^2/NDF : 10.3/5

25.528+/-0.498 χ^2/NDF : 21.7/4

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 47.140 $\pm$ 0.328 χ^2 /NDF:165.1/5

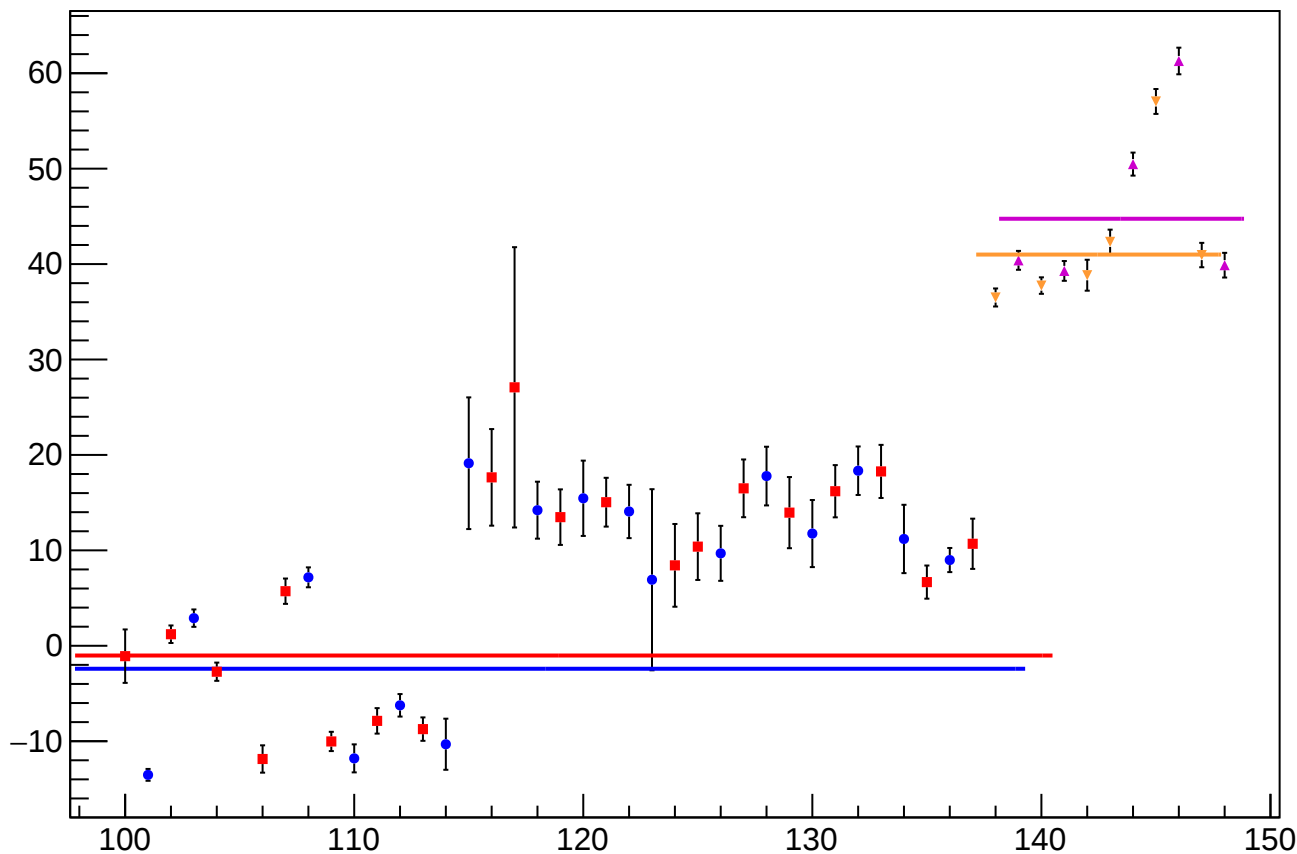
Right Out: 53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

Left In: 46.697 $\pm$ 0.367 χ^2 /NDF:790.4/4

51.275 $\pm$ 0.177 χ^2 /NDF: 1588.5/22

51.491 $\pm$ 0.193 χ^2 /NDF: 1903.0/24

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409+/-0.364 χ^2/NDF : 834.6/16

Left Out: 40.997+/-0.464 χ^2/NDF :190.8/5

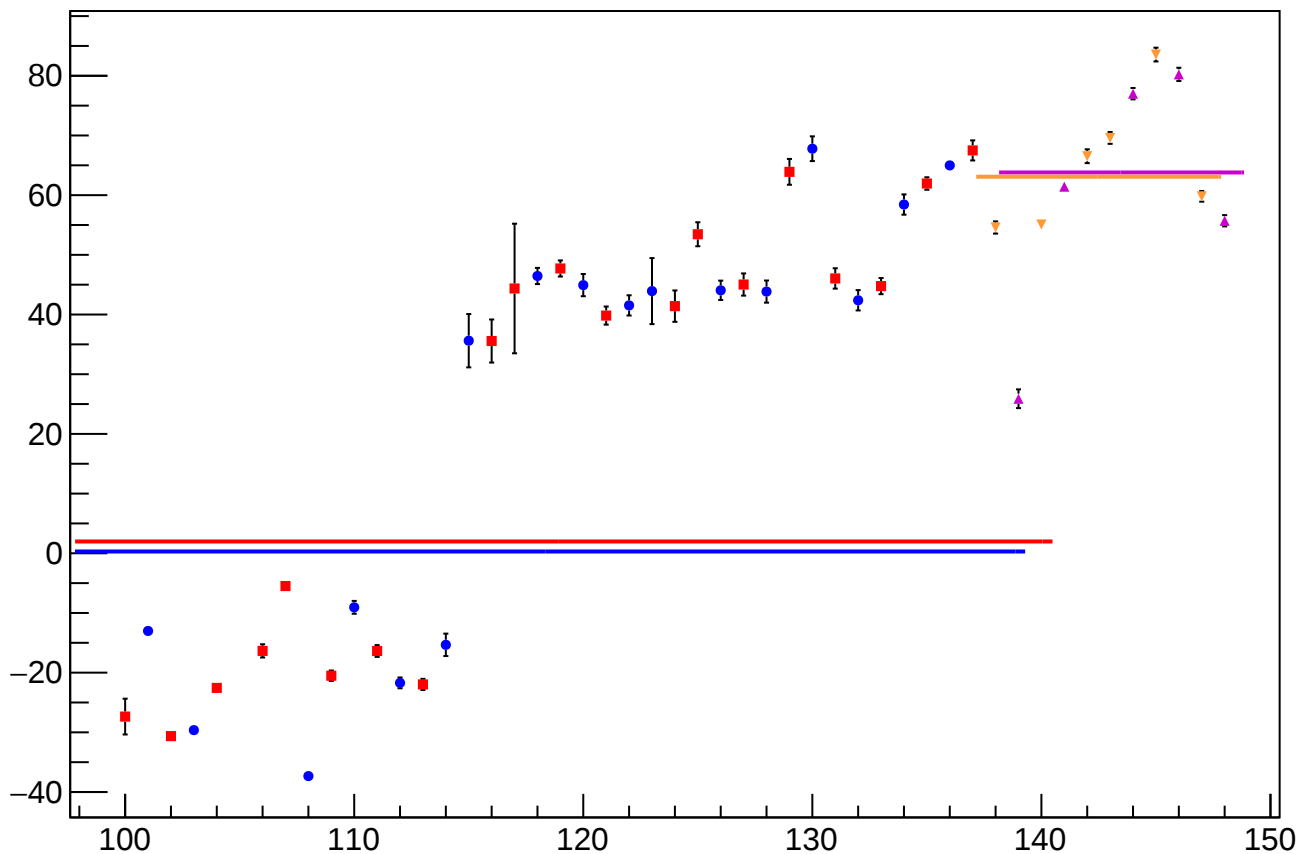
Right Out: -1.021+/-0.377 χ^2/NDF : 511.2/19

Left In: 44.749+/-0.517 χ^2/NDF :224.2/4

14.155+/-0.286 χ^2/NDF : 6442.1/22

14.882+/-0.304 χ^2/NDF : 5858.5/24

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 $\chi^2/\text{NDF}: 18259.2/16$

Left Out: 63.093 ± 0.401 $\chi^2/\text{NDF}: 545.8/5$

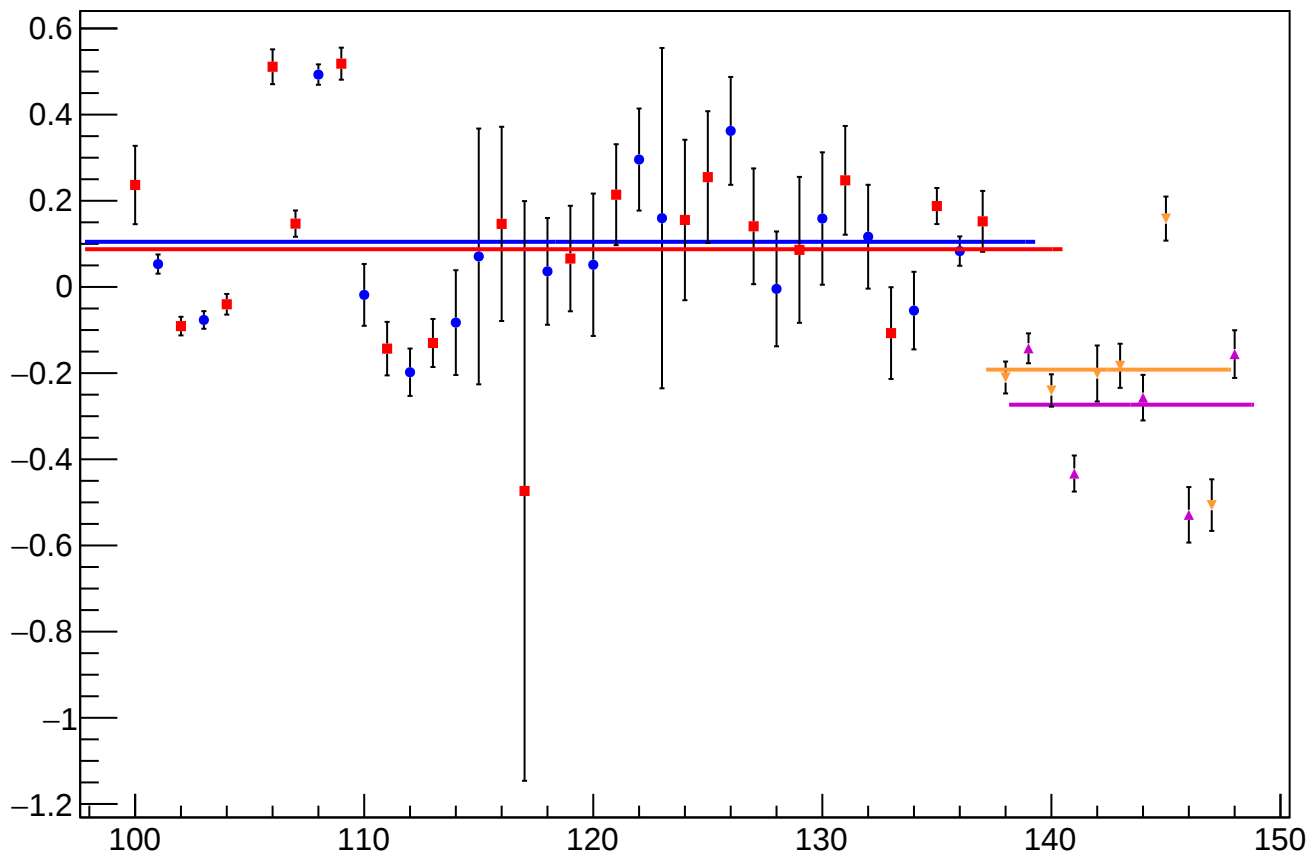
Right Out: 1.978 ± 0.267 $\chi^2/\text{NDF}: 15465.9/19$

Left In: 63.803 ± 0.453 $\chi^2/\text{NDF}: 1073.5/4$

17.642 ± 0.210 $\chi^2/\text{NDF}: 36594.0/22$

17.854 ± 0.230 $\chi^2/\text{NDF}: 30354.1/24$

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.192 ± 0.019 χ^2/NDF : 76.6/5

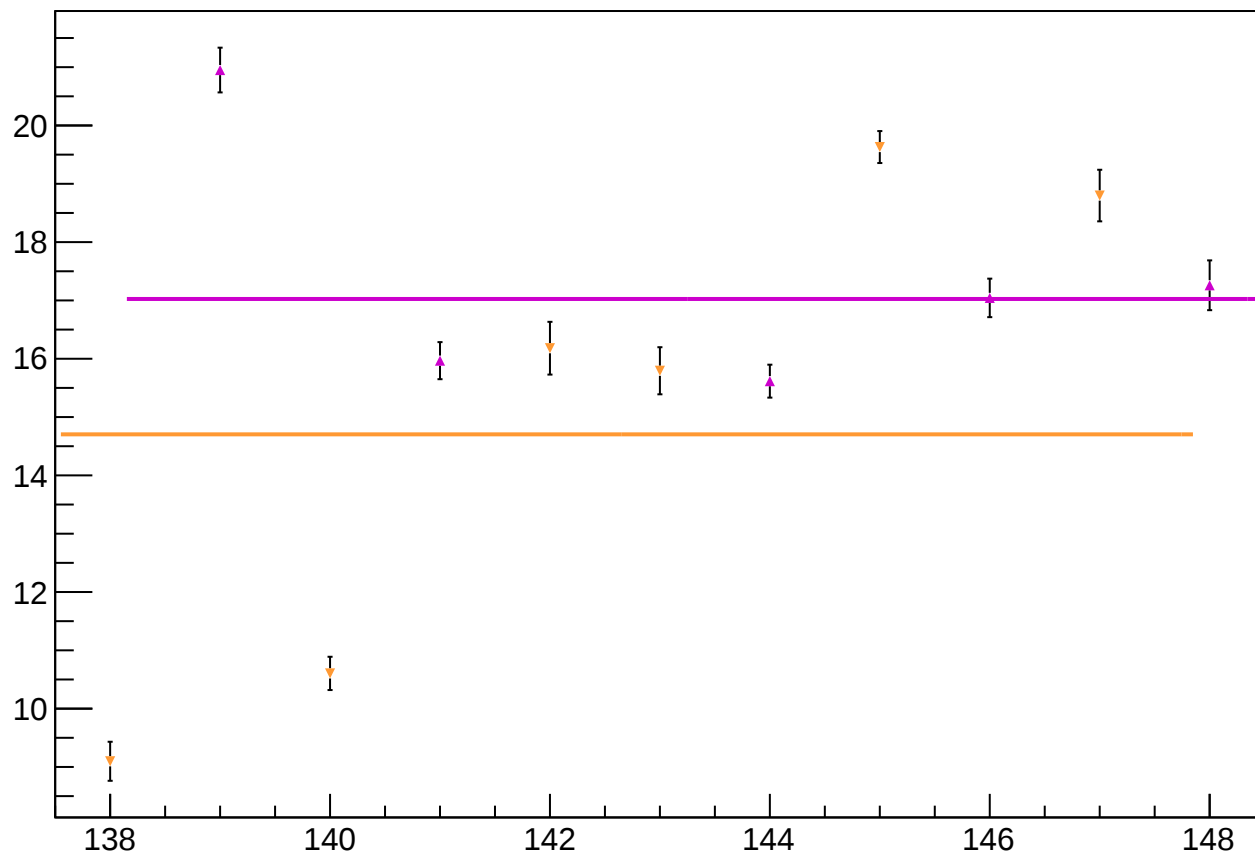
Right Out: 0.088 ± 0.011 χ^2/NDF : 391.6/19

Left In: -0.273 ± 0.021 χ^2/NDF : 49.1/4

0.031 ± 0.010 χ^2/NDF : 657.0/22

0.008 ± 0.010 χ^2/NDF : 676.9/24

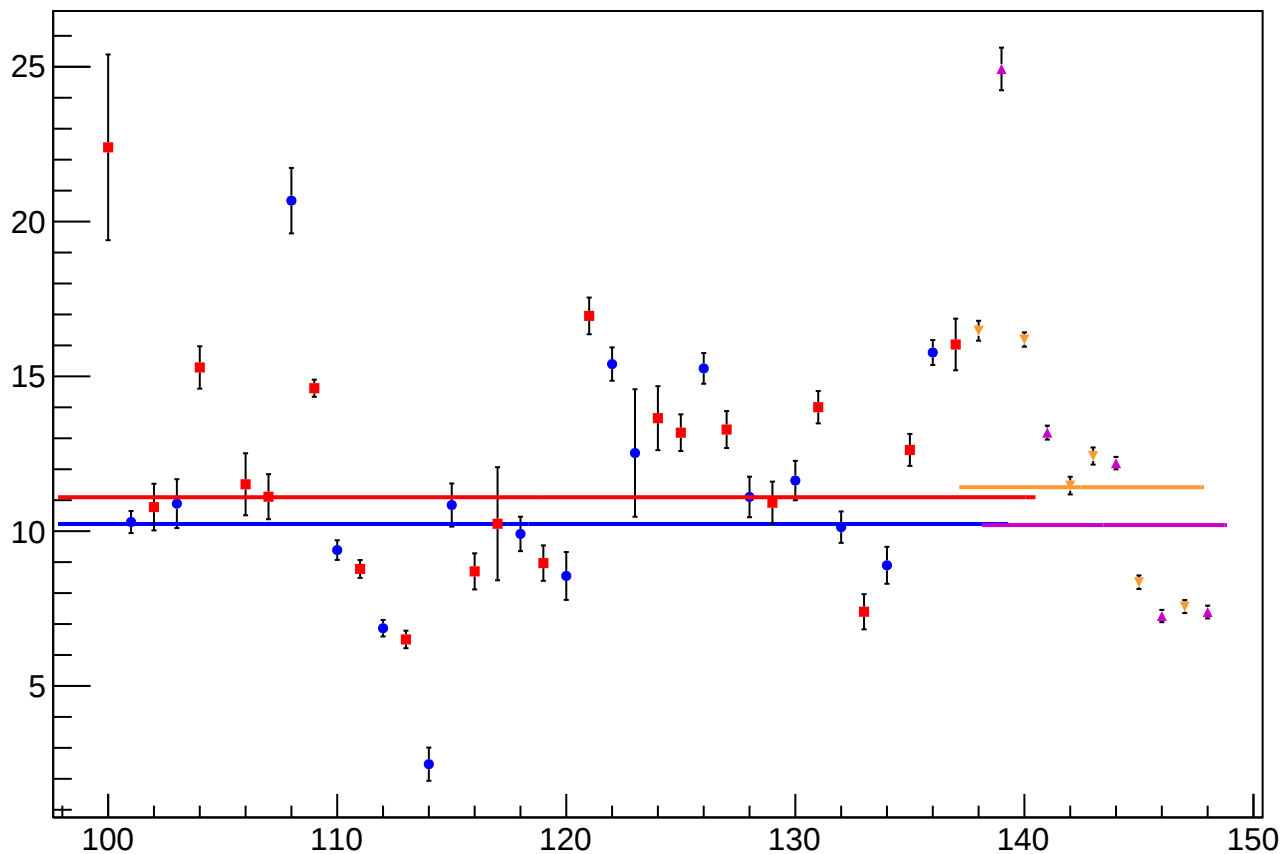
reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 14.704+/-0.140 χ^2/NDF : 913.9/5
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 17.025+/-0.151 χ^2/NDF : 141.0/4

14.704+/-0.140 χ^2/NDF : 913.9/5
17.025+/-0.151 χ^2/NDF : 141.0/4

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 ± 0.119 $\chi^2/\text{NDF}: 876.7/16$

Left Out: 11.419 ± 0.101 $\chi^2/\text{NDF}: 1219.7/5$

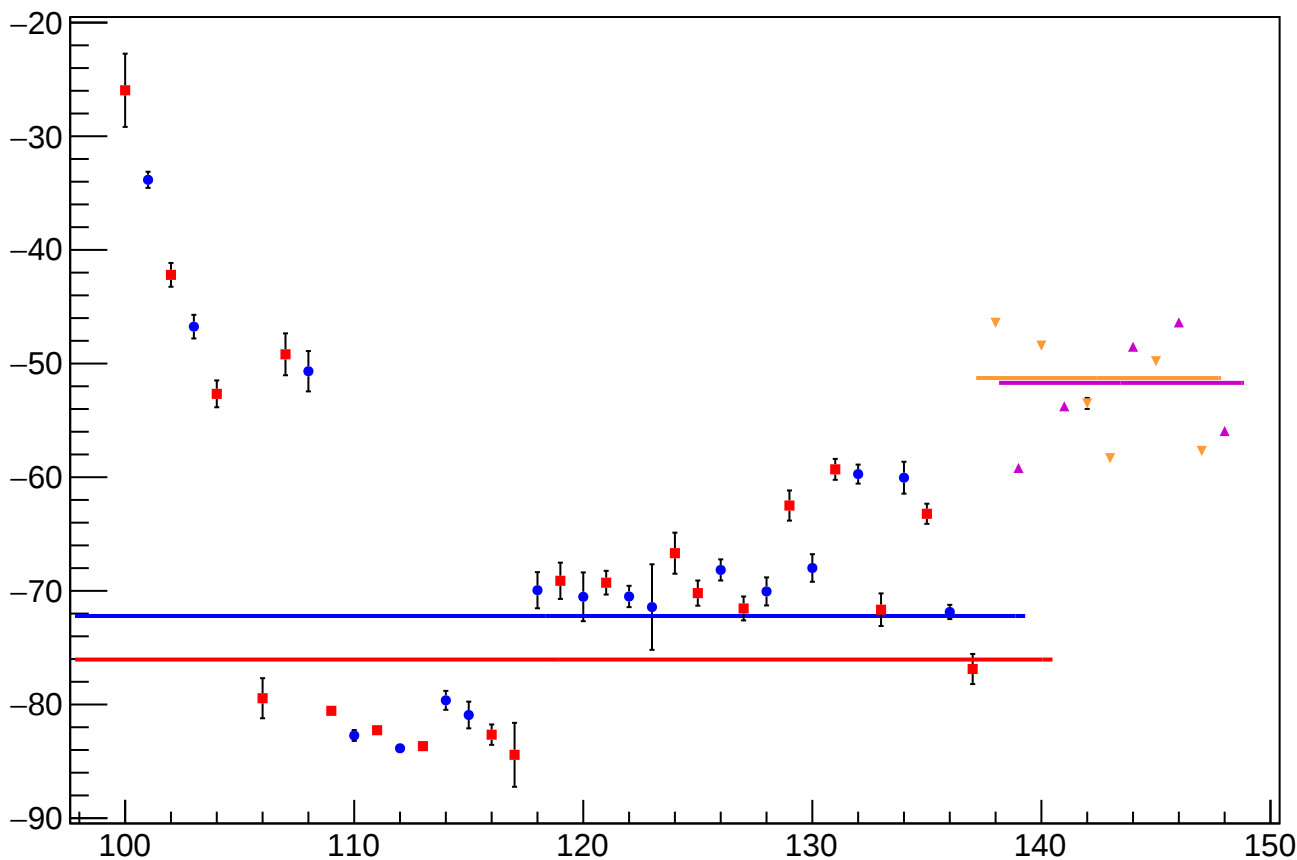
Right Out: 11.096 ± 0.116 $\chi^2/\text{NDF}: 818.0/19$

Left In: 10.197 ± 0.103 $\chi^2/\text{NDF}: 1134.9/4$

10.922 ± 0.077 $\chi^2/\text{NDF}: 2153.8/22$

10.591 ± 0.077 $\chi^2/\text{NDF}: 1986.7/24$

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -51.275+/-0.148 χ^2/NDF : 823.6/5

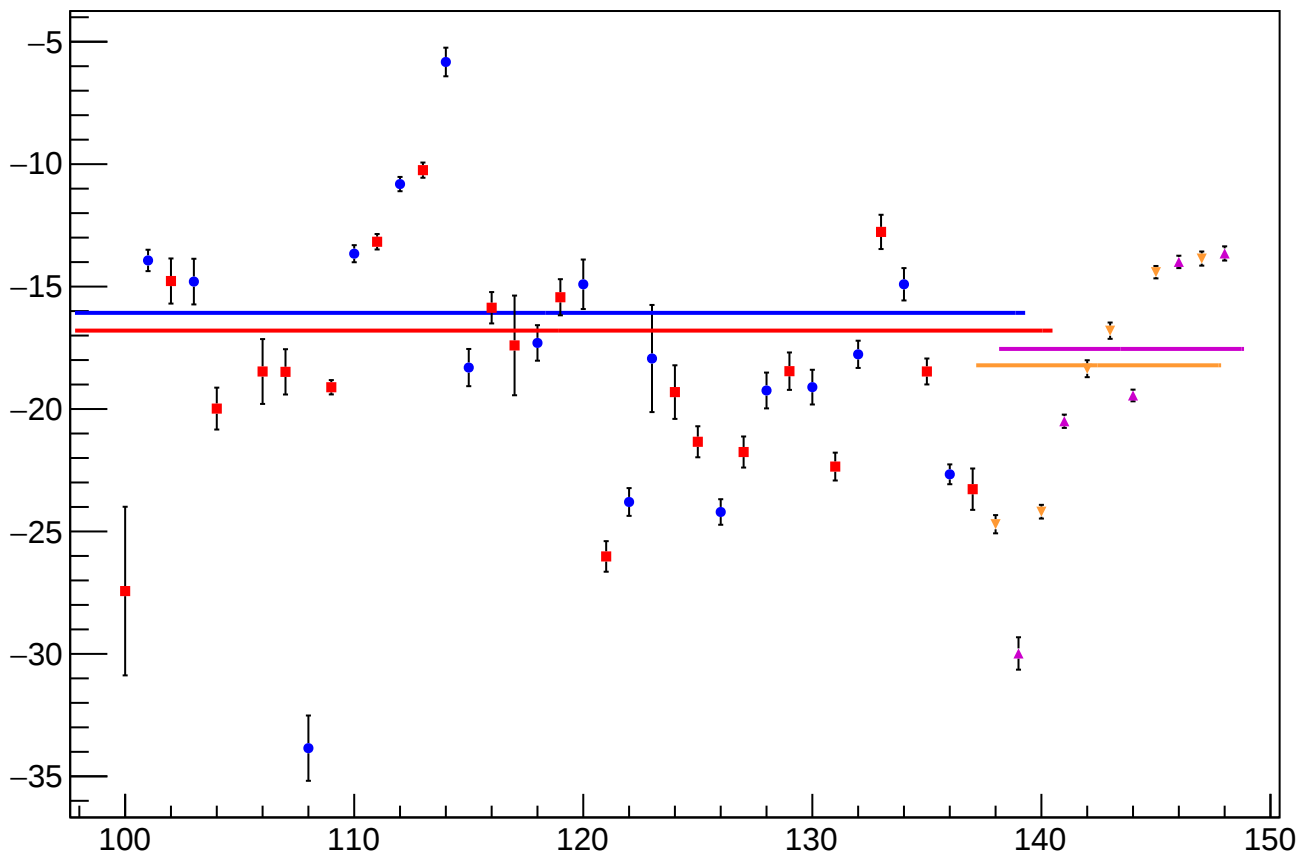
Right Out: -76.044+/-0.181 χ^2/NDF : 3472.2/19

Left In: -51.700+/-0.155 χ^2/NDF : 866.6/4

-58.781+/-0.119 χ^2/NDF : 13562.6/22

-62.015+/-0.118 χ^2/NDF : 14808.0/24

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 $\pm$ 0.133 χ^2/NDF : 1640.5/16

Left Out: -18.215 $\pm$ 0.124 χ^2/NDF :1230.9/5

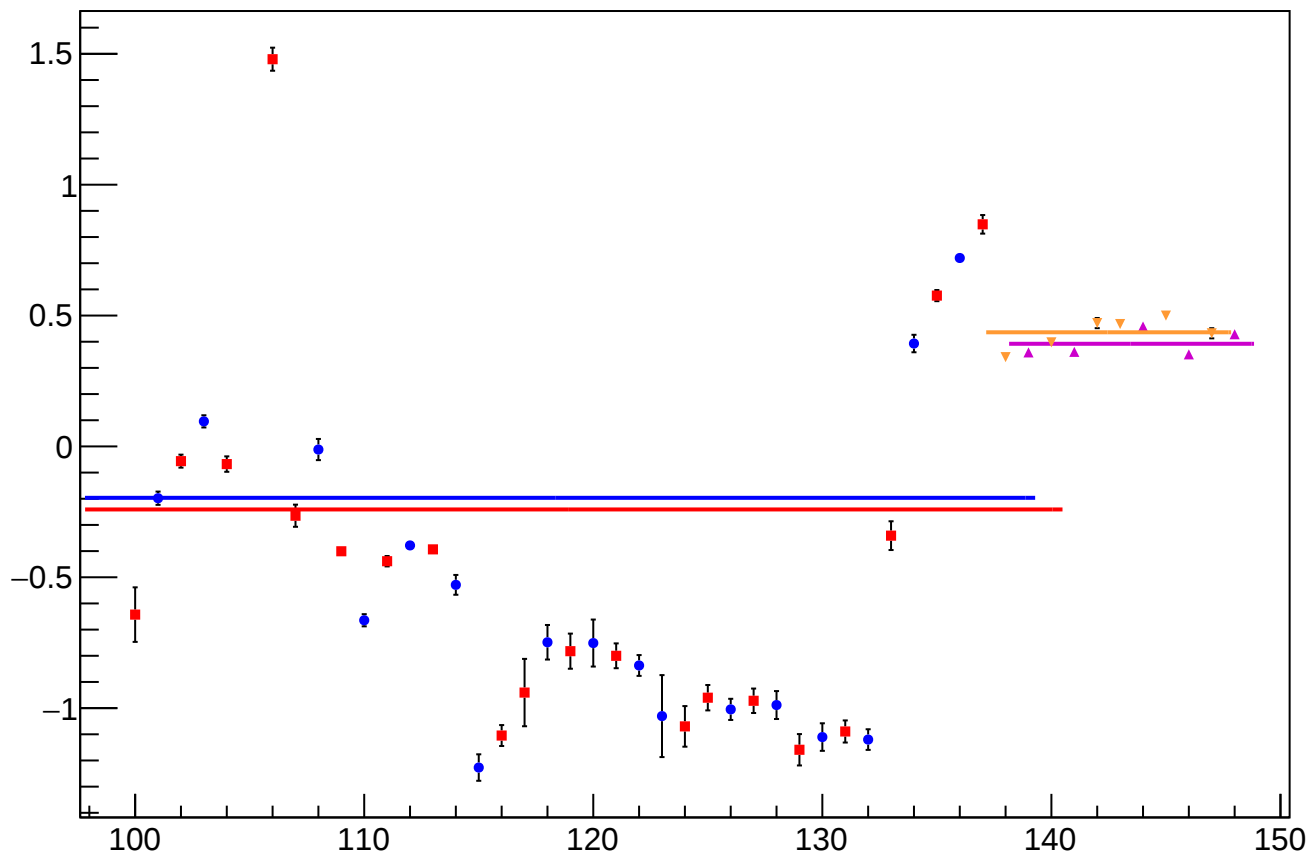
Right Out: -16.797 $\pm$ 0.128 χ^2/NDF : 1216.1/19

Left In: -17.546 $\pm$ 0.128 χ^2/NDF :912.2/4

-17.214 $\pm$ 0.091 χ^2/NDF : 3010.6/22

-17.170 $\pm$ 0.091 χ^2/NDF : 2145.4/24

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.436 ± 0.006 χ^2/NDF : 89.2/5

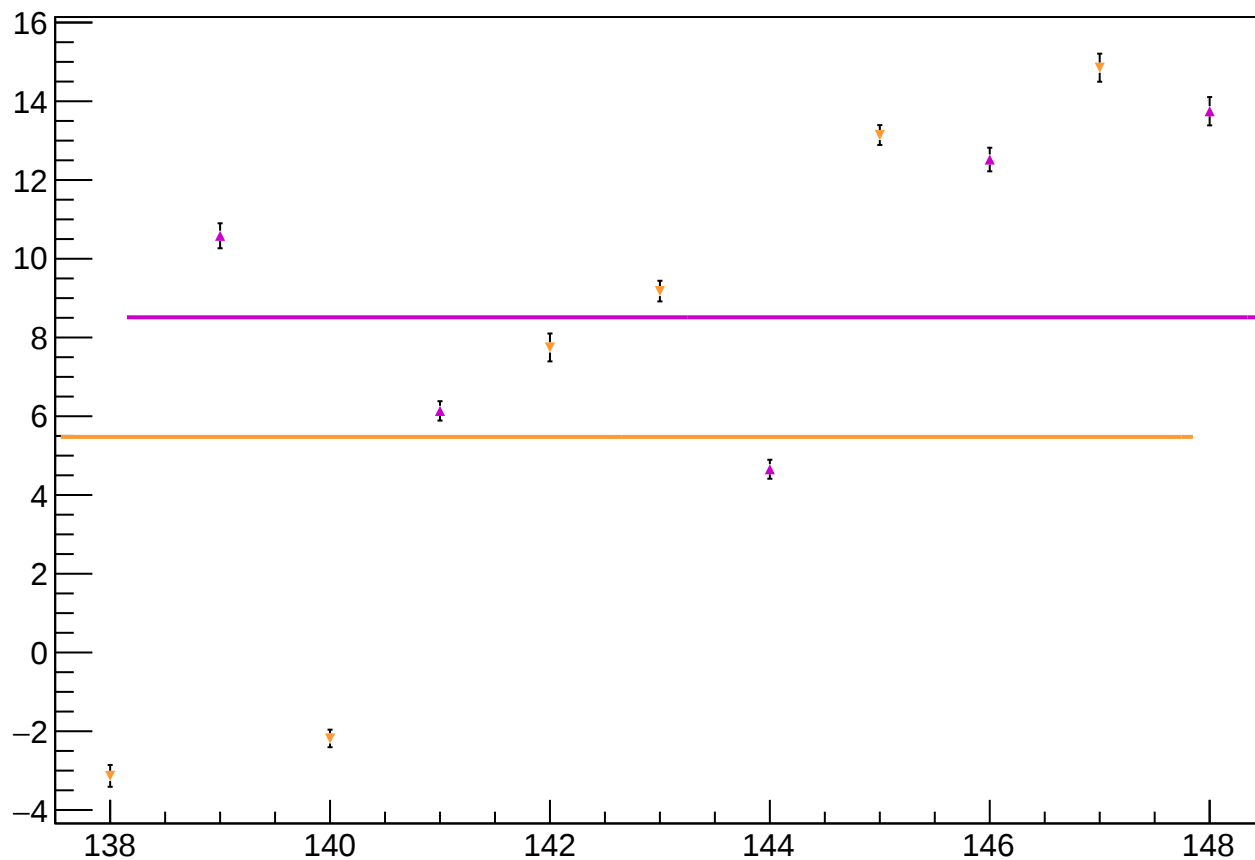
Right Out: -0.241 ± 0.007 χ^2/NDF : 6218.3/19

Left In: 0.392 ± 0.006 χ^2/NDF : 47.4/4

0.185 ± 0.005 χ^2/NDF : 10652.8/22

0.108 ± 0.005 χ^2/NDF : 10559.5/24

reg_asym_sam8_diff_bpm1X_slope vs Slug



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

Left Out: 5.476+/-0.112 χ^2/NDF : 3999.8/5

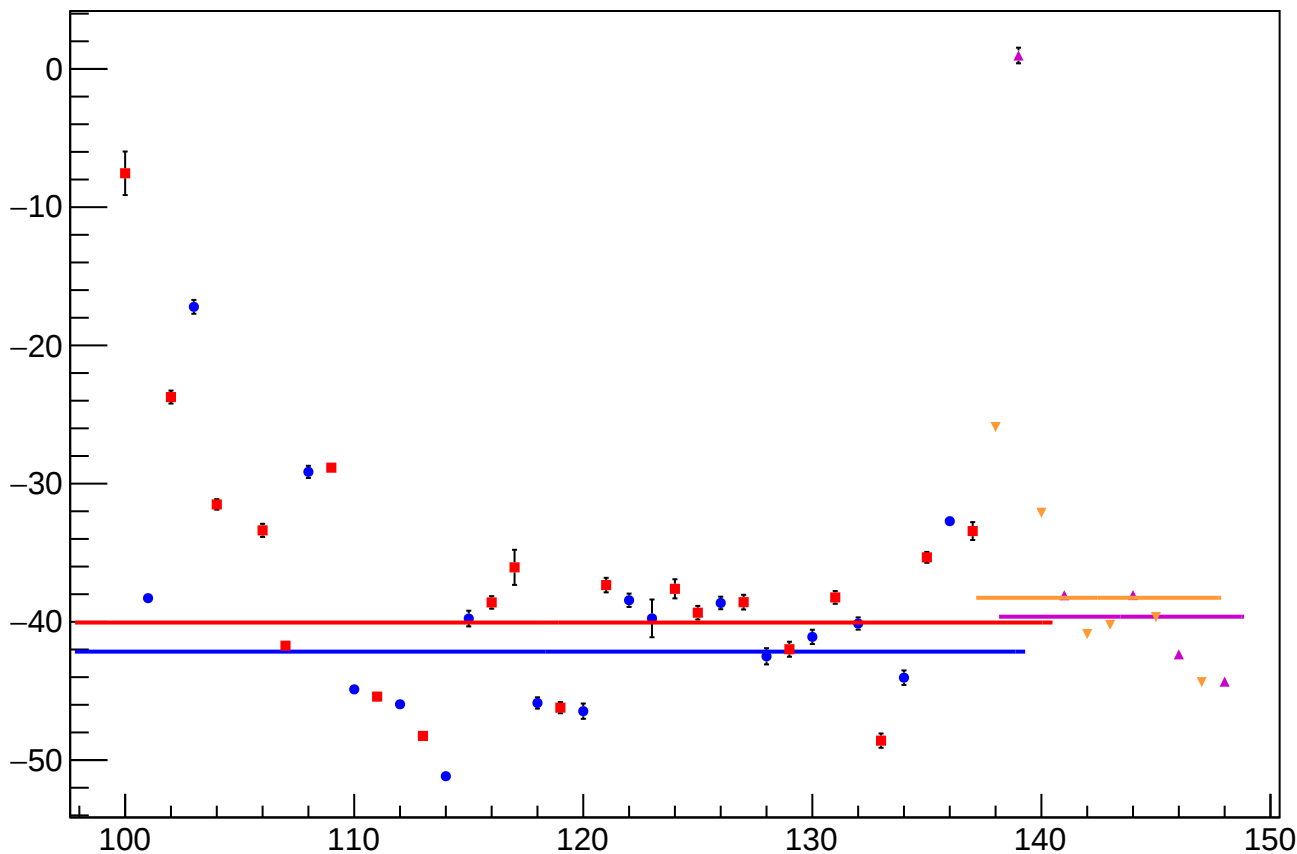
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 8.513+/-0.126 χ^2/NDF : 782.7/4

5.476+/-0.112 χ^2/NDF : 3999.8/5

8.513+/-0.126 χ^2/NDF : 782.7/4

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -38.258 ± 0.081 χ^2/NDF : 4855.2/5

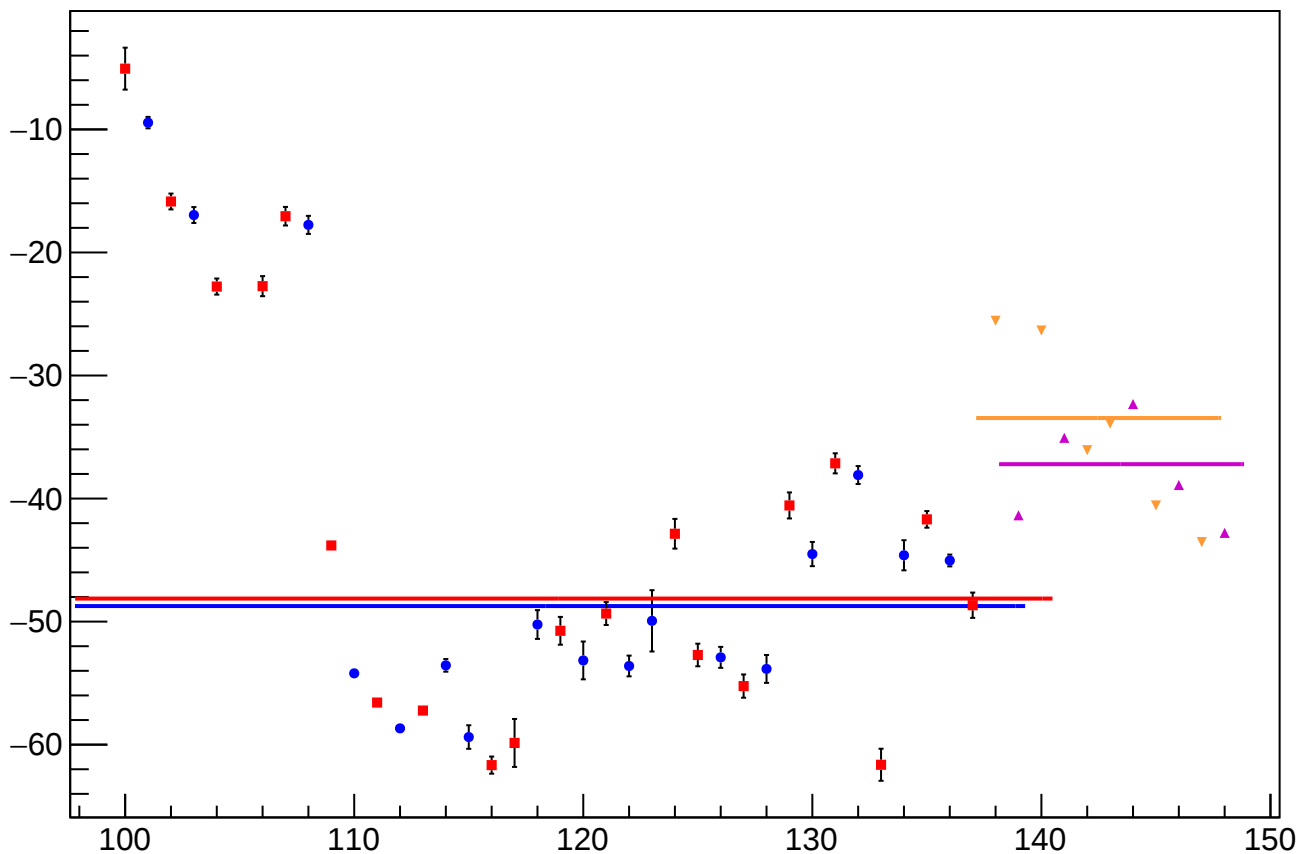
Right Out: -40.049 ± 0.073 χ^2/NDF : 11332.1/19

Left In: -39.626 ± 0.087 χ^2/NDF : 6219.1/4

-40.270 ± 0.056 χ^2/NDF : 12617.7/22

-39.876 ± 0.056 χ^2/NDF : 17565.1/24

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -33.454 ± 0.118 χ^2/NDF : 3258.4/5

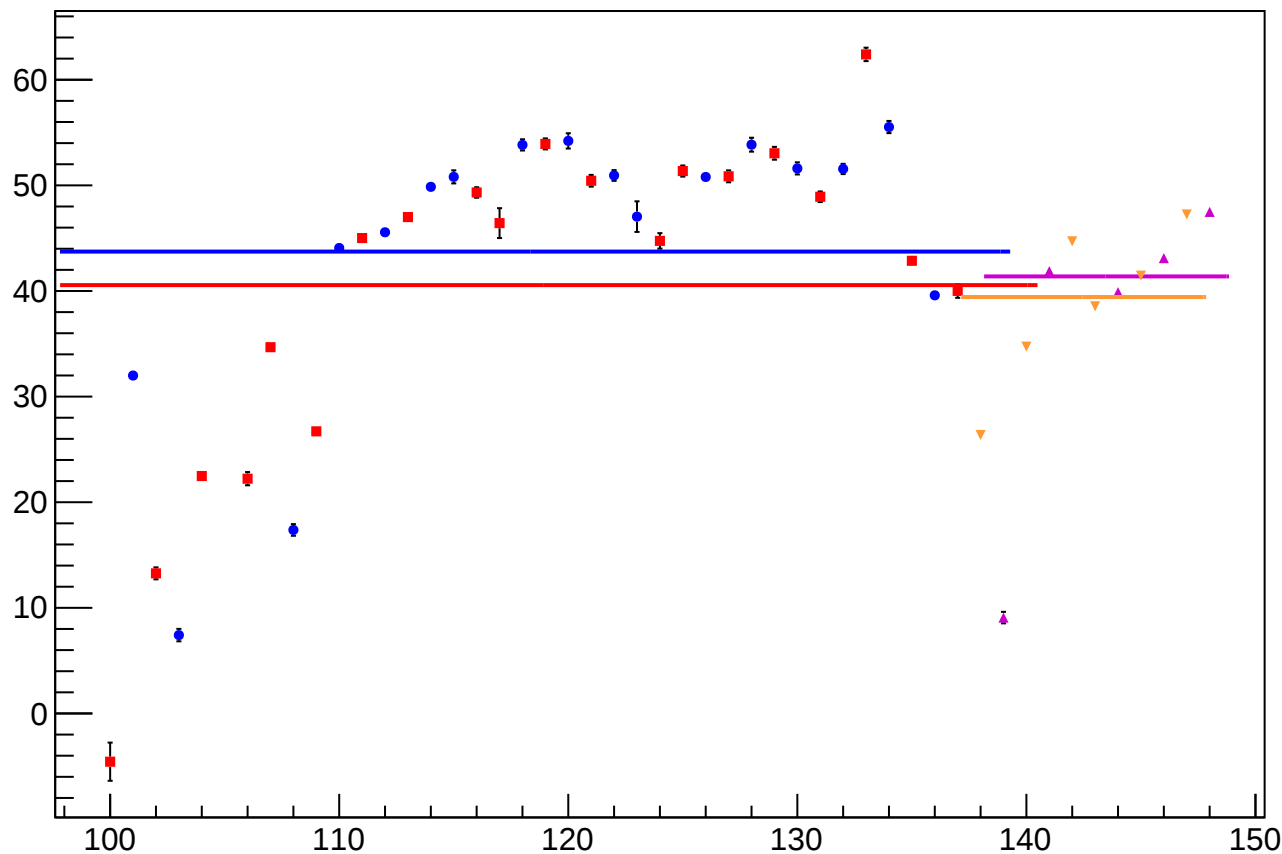
Right Out: -48.127 ± 0.107 χ^2/NDF : 11769.6/19

Left In: -37.205 ± 0.130 χ^2/NDF : 881.2/4

-40.701 ± 0.086 χ^2/NDF : 25832.3/22

-43.722 ± 0.083 χ^2/NDF : 16847.9/24

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731+/-0.087 χ^2/NDF : 10567.7/16

Left Out: 39.427+/-0.099 χ^2/NDF : 3820.2/5

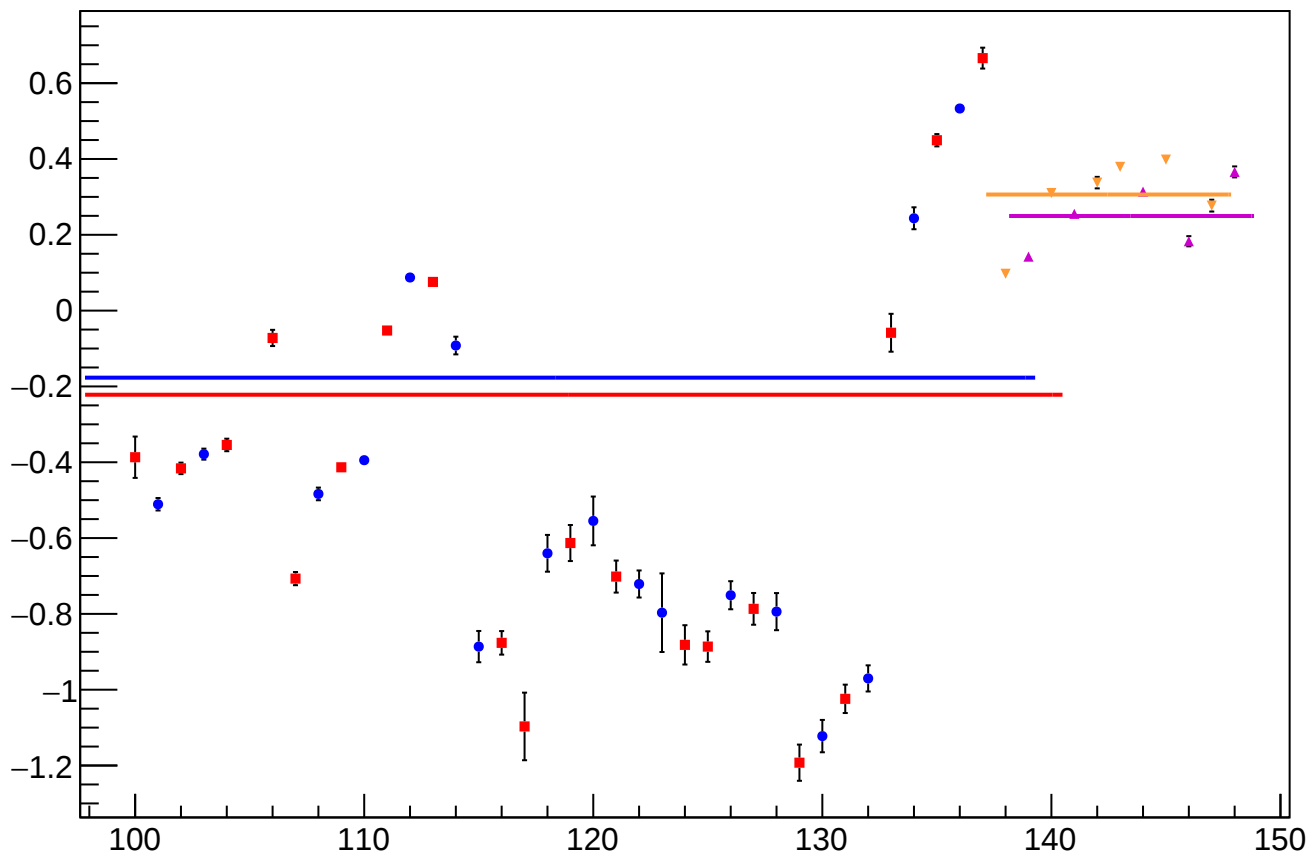
Right Out: 40.556+/-0.080 χ^2/NDF : 17618.6/19

Left In: 41.380+/-0.109 χ^2/NDF : 4245.7/4

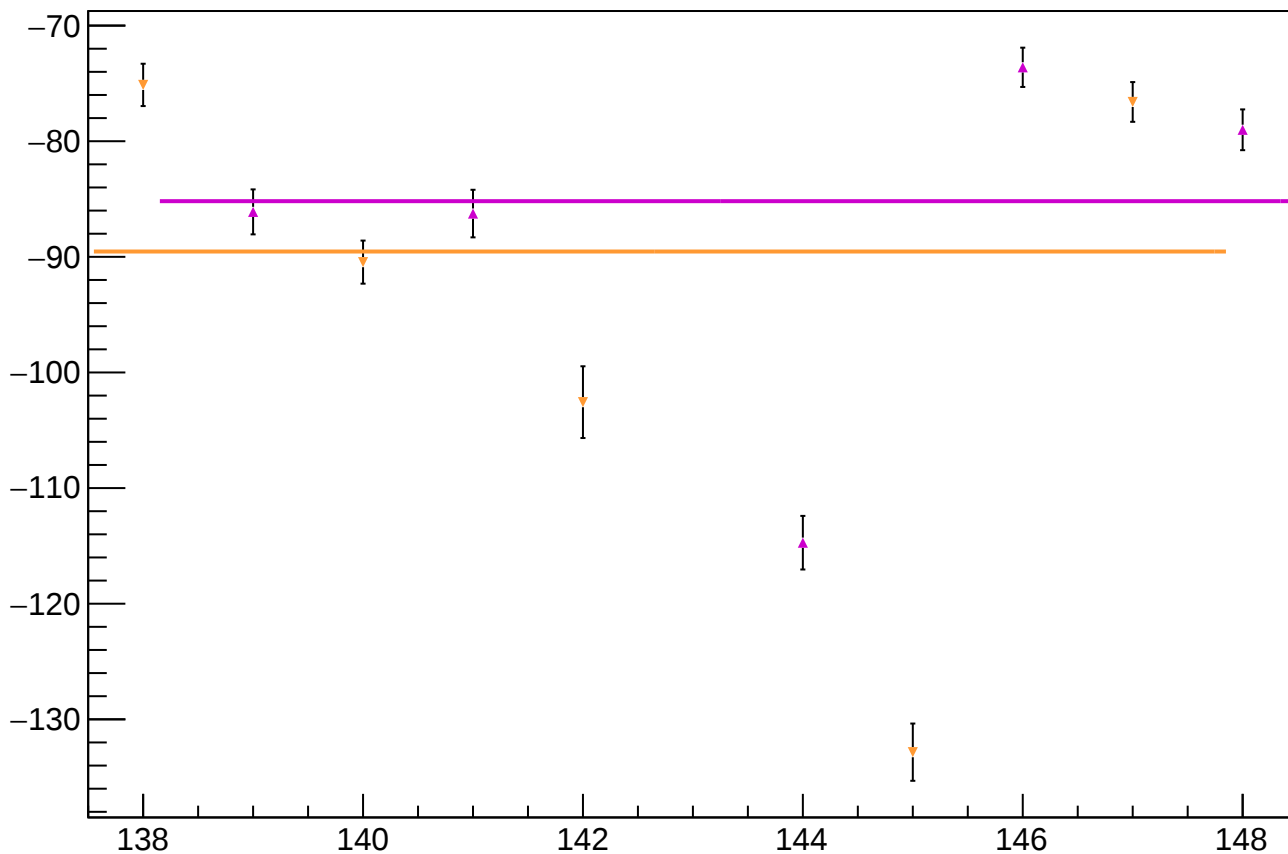
41.853+/-0.065 χ^2/NDF : 15459.3/22

40.847+/-0.064 χ^2/NDF : 21901.6/24

reg_asym_sam8_diff_bpm12X_slope vs Slug



reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -89.539+/-0.916 χ^2/NDF : 442.4/4

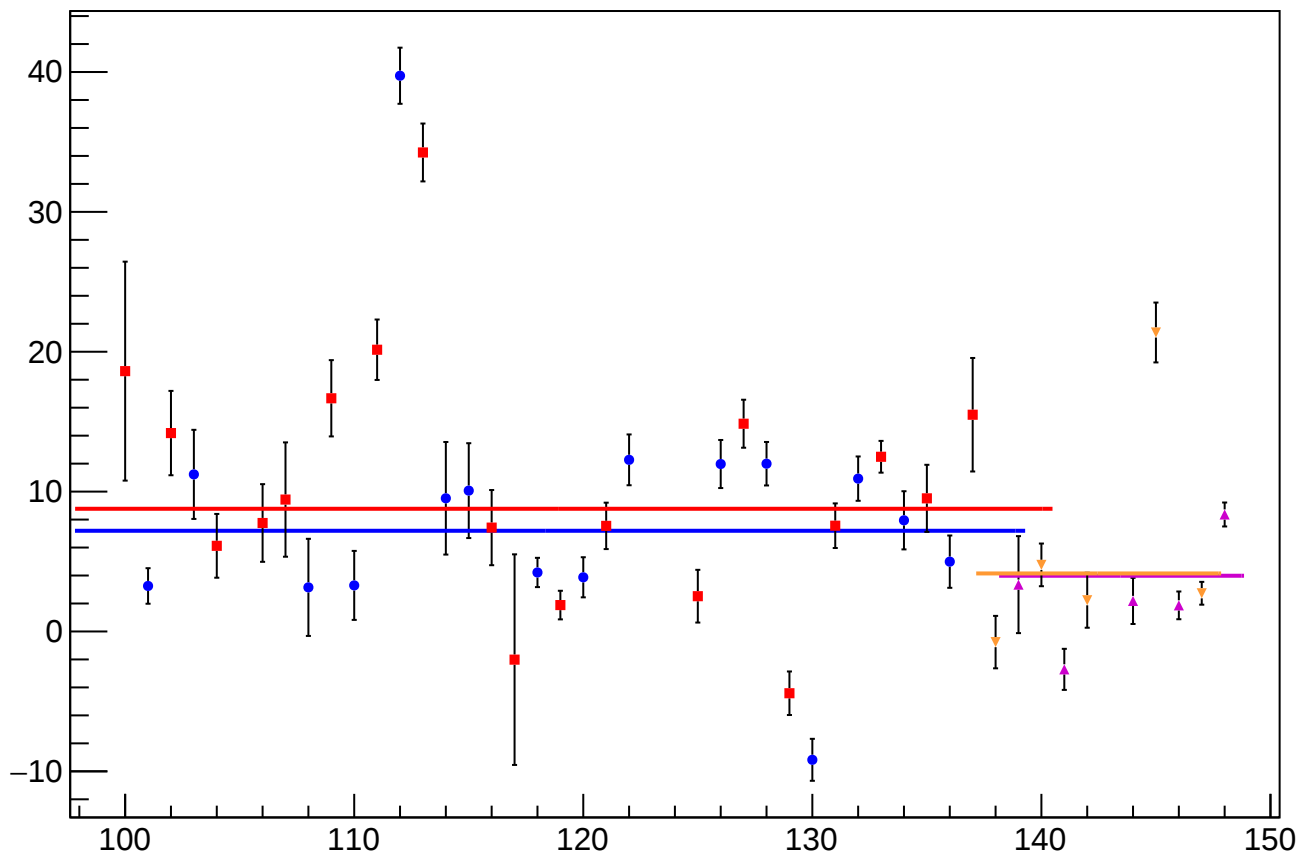
-89.539+/-0.916 χ^2/NDF : 442.4/4

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

-85.185+/-0.859 χ^2/NDF : 221.6/4

Left In: -85.185+/-0.859 χ^2/NDF : 221.6/4

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 4.148 ± 0.609 χ^2/NDF : 75.8/4

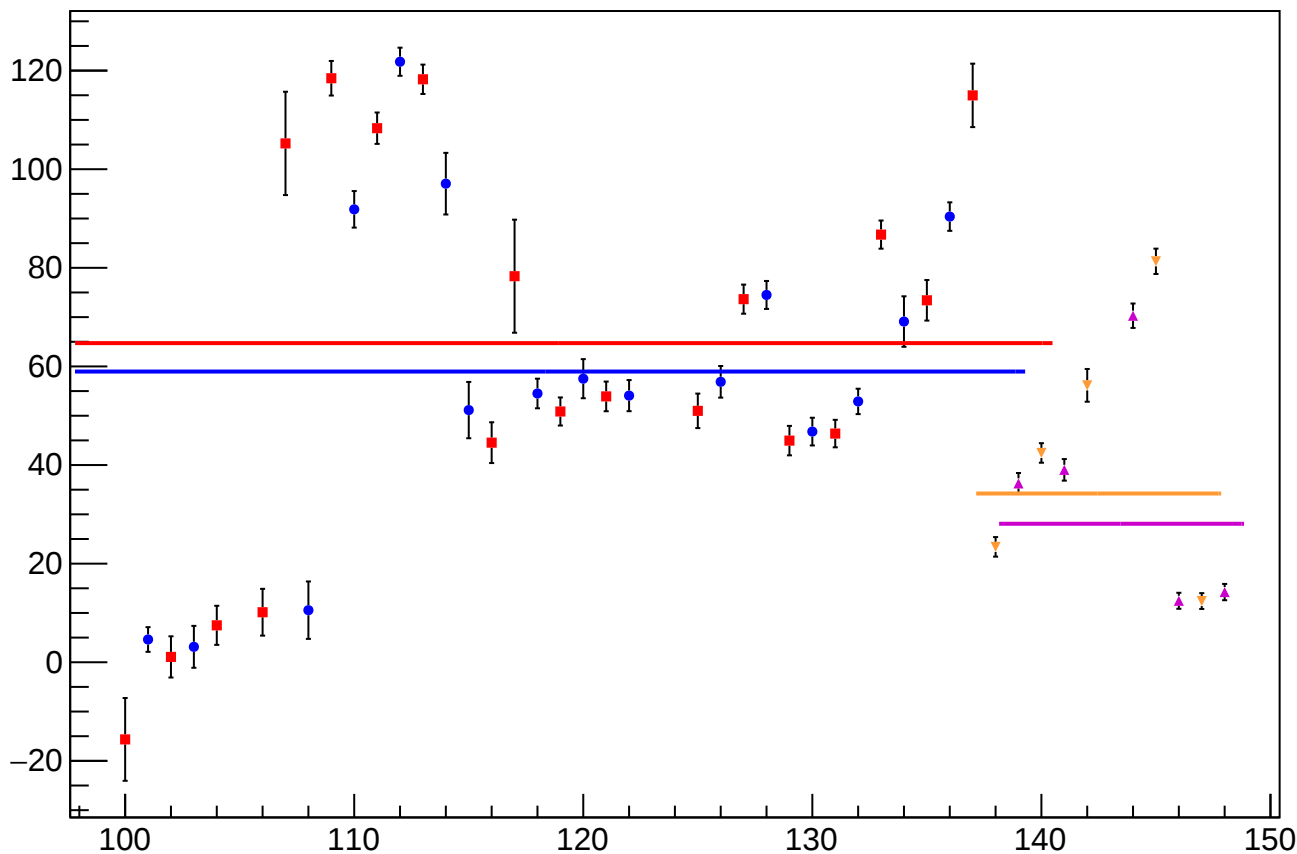
Right Out: 8.772 ± 0.447 χ^2/NDF : 351.7/18

Left In: 3.984 ± 0.551 χ^2/NDF : 52.7/4

6.155 ± 0.356 χ^2/NDF : 536.1/20

6.871 ± 0.347 χ^2/NDF : 450.0/23

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 ± 0.837 $\chi^2/\text{NDF}: 1496.5/15$

Left Out: 34.225 ± 0.937 $\chi^2/\text{NDF}: 611.3/4$

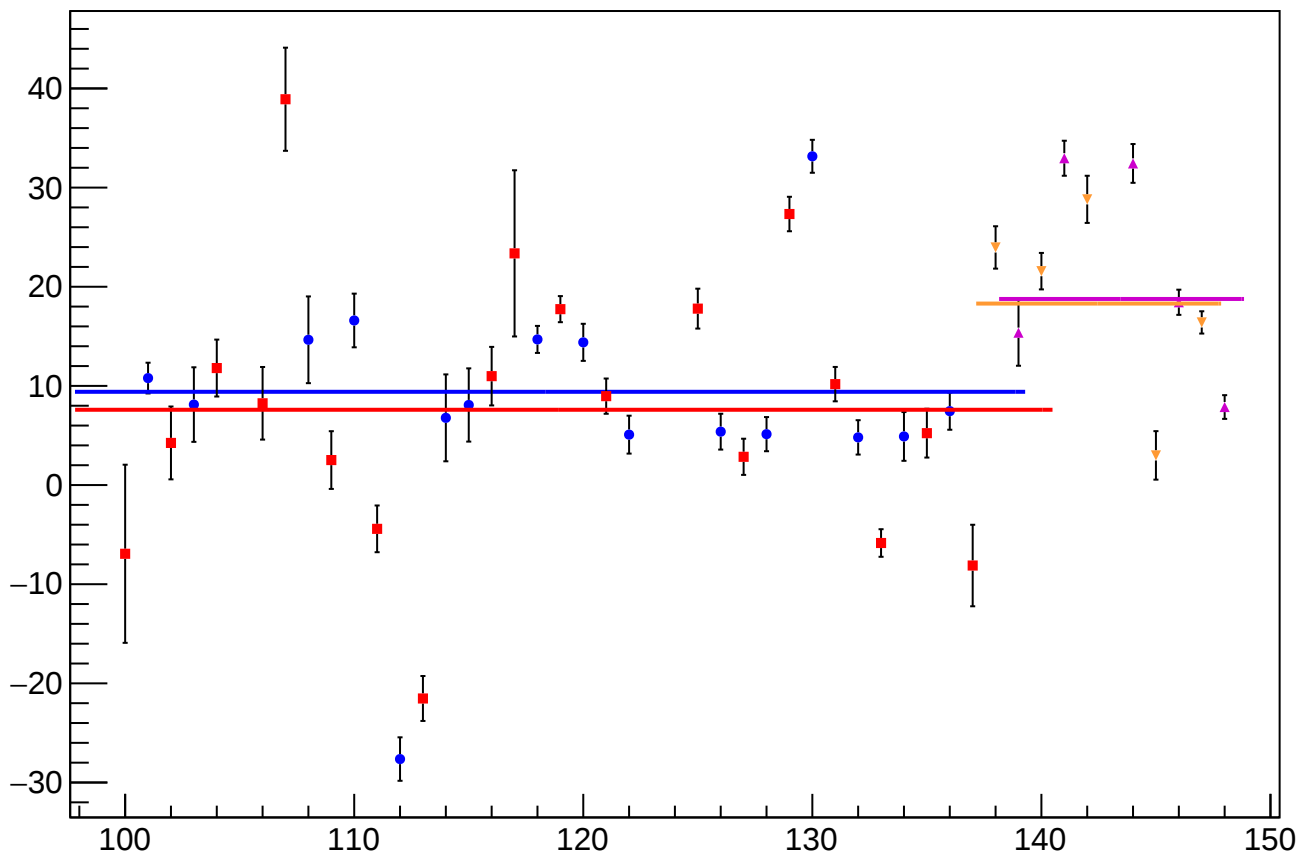
Right Out: 64.728 ± 0.838 $\chi^2/\text{NDF}: 1723.2/18$

Left In: 28.090 ± 0.863 $\chi^2/\text{NDF}: 492.7/4$

47.987 ± 0.624 $\chi^2/\text{NDF}: 2495.4/20$

46.960 ± 0.601 $\chi^2/\text{NDF}: 3143.4/23$

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 18.303 ± 0.778 $\chi^2/\text{NDF}: 71.8/4$

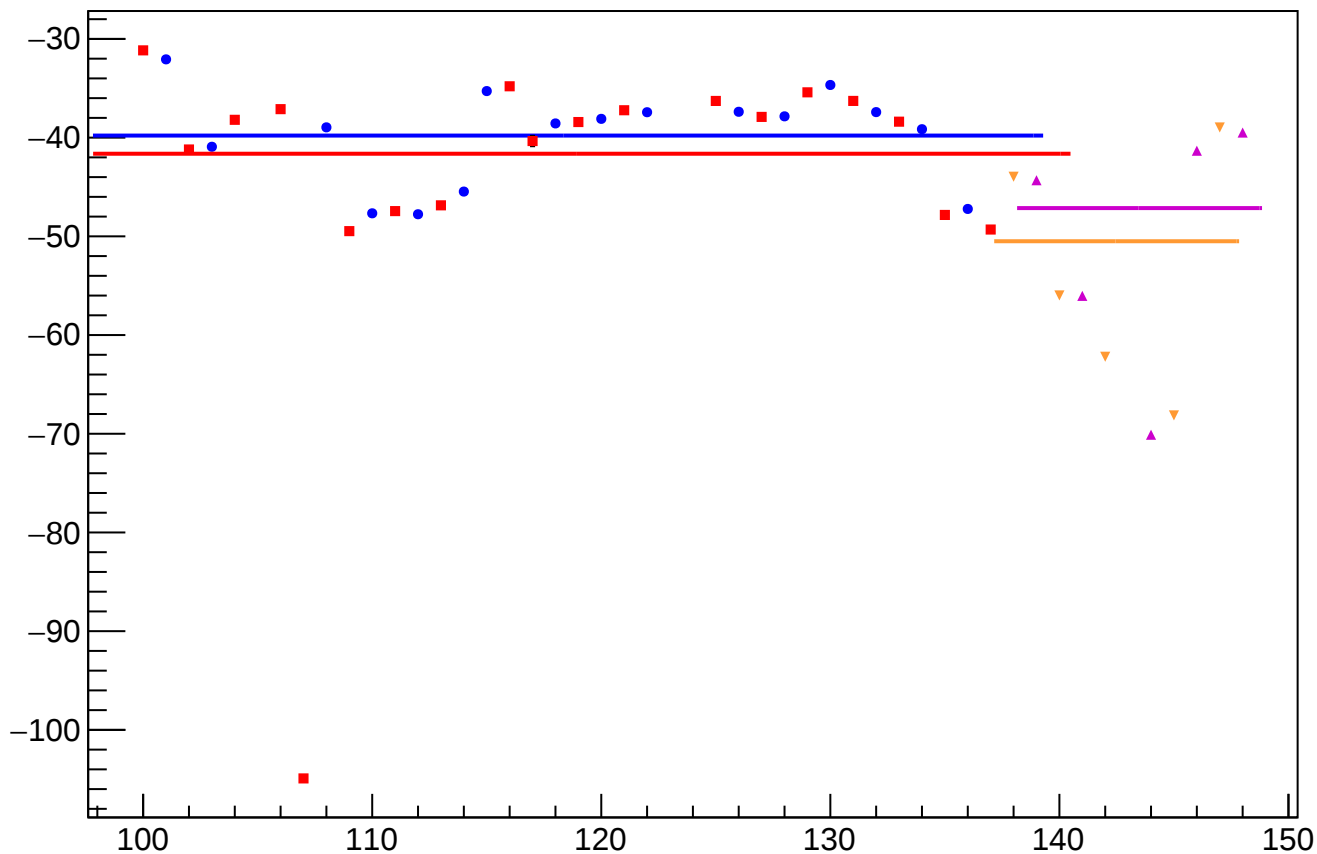
Right Out: 7.593 ± 0.514 $\chi^2/\text{NDF}: 573.4/18$

Left In: 18.768 ± 0.709 $\chi^2/\text{NDF}: 197.5/4$

12.054 ± 0.425 $\chi^2/\text{NDF}: 713.1/20$

11.443 ± 0.416 $\chi^2/\text{NDF}: 933.8/23$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -50.497 ± 0.040 χ^2/NDF : 72104.2/4

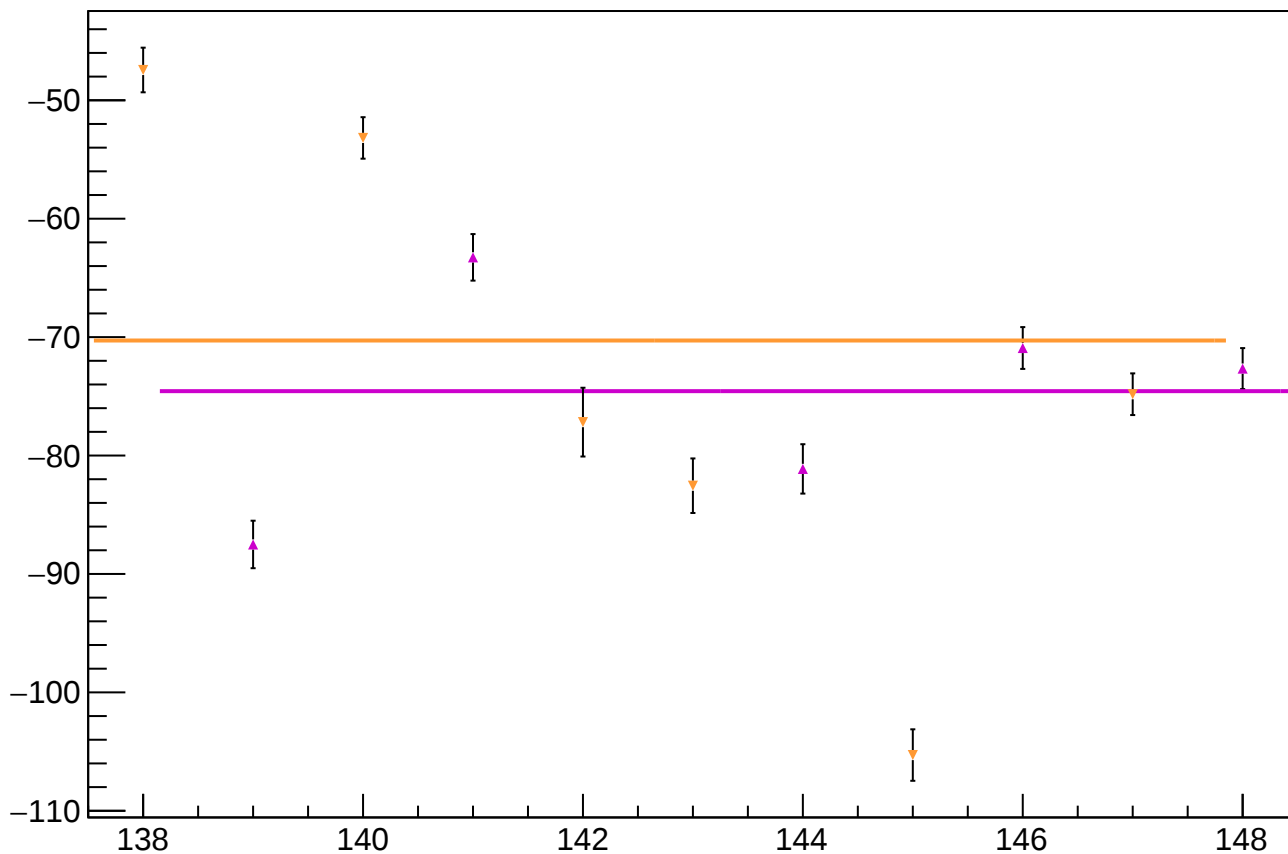
Right Out: -41.631 ± 0.031 χ^2/NDF : 94399.1/18

Left In: -47.138 ± 0.036 χ^2/NDF : 73828.4/4

-43.847 ± 0.025 χ^2/NDF : 142778.2/20

-43.993 ± 0.024 χ^2/NDF : 181630.8/23

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -70.286+/-0.831 χ^2/NDF : 542.2/5

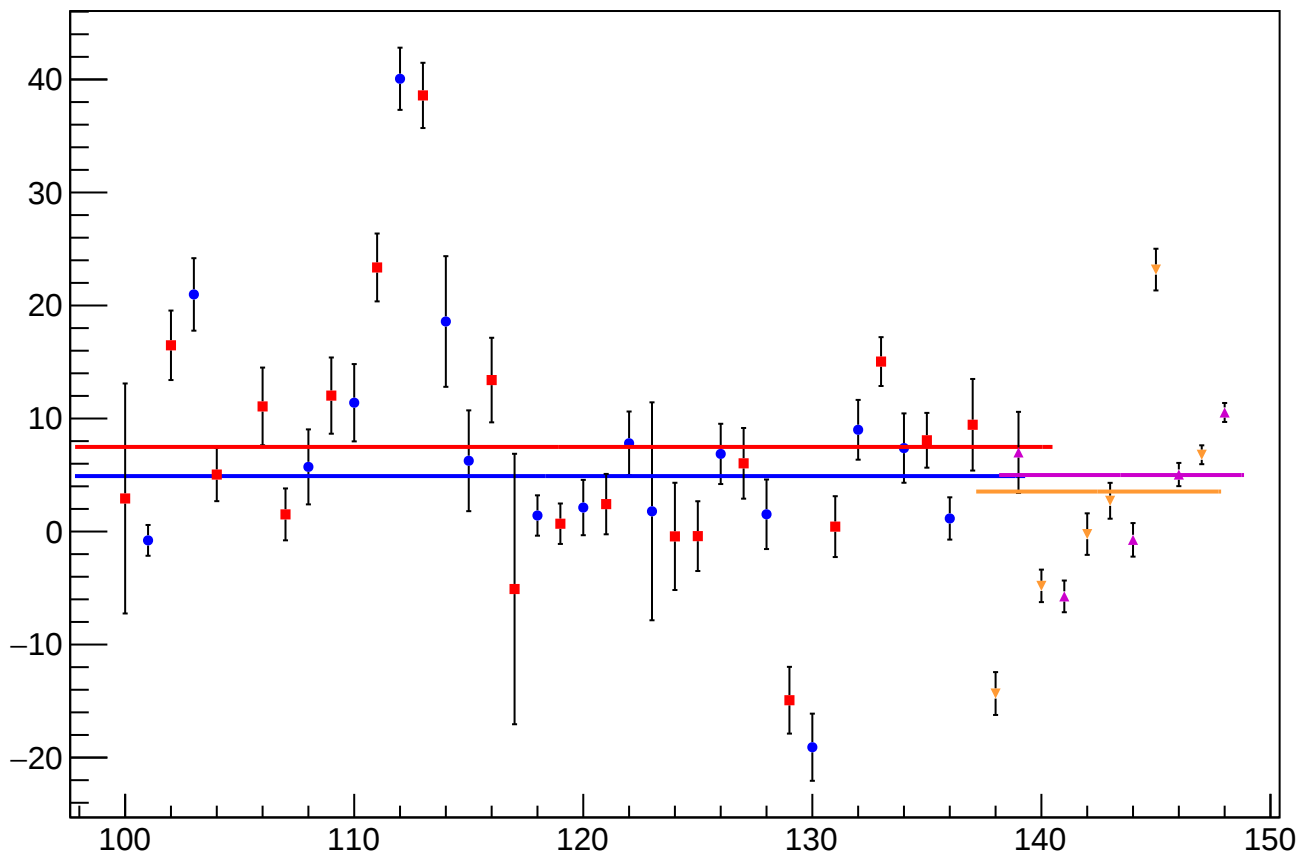
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -74.563+/-0.848 χ^2/NDF : 90.1/4

-70.286+/-0.831 χ^2/NDF : 542.2/5

-74.563+/-0.848 χ^2/NDF : 90.1/4

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 3.538 ± 0.560 χ^2/NDF : 255.6/5

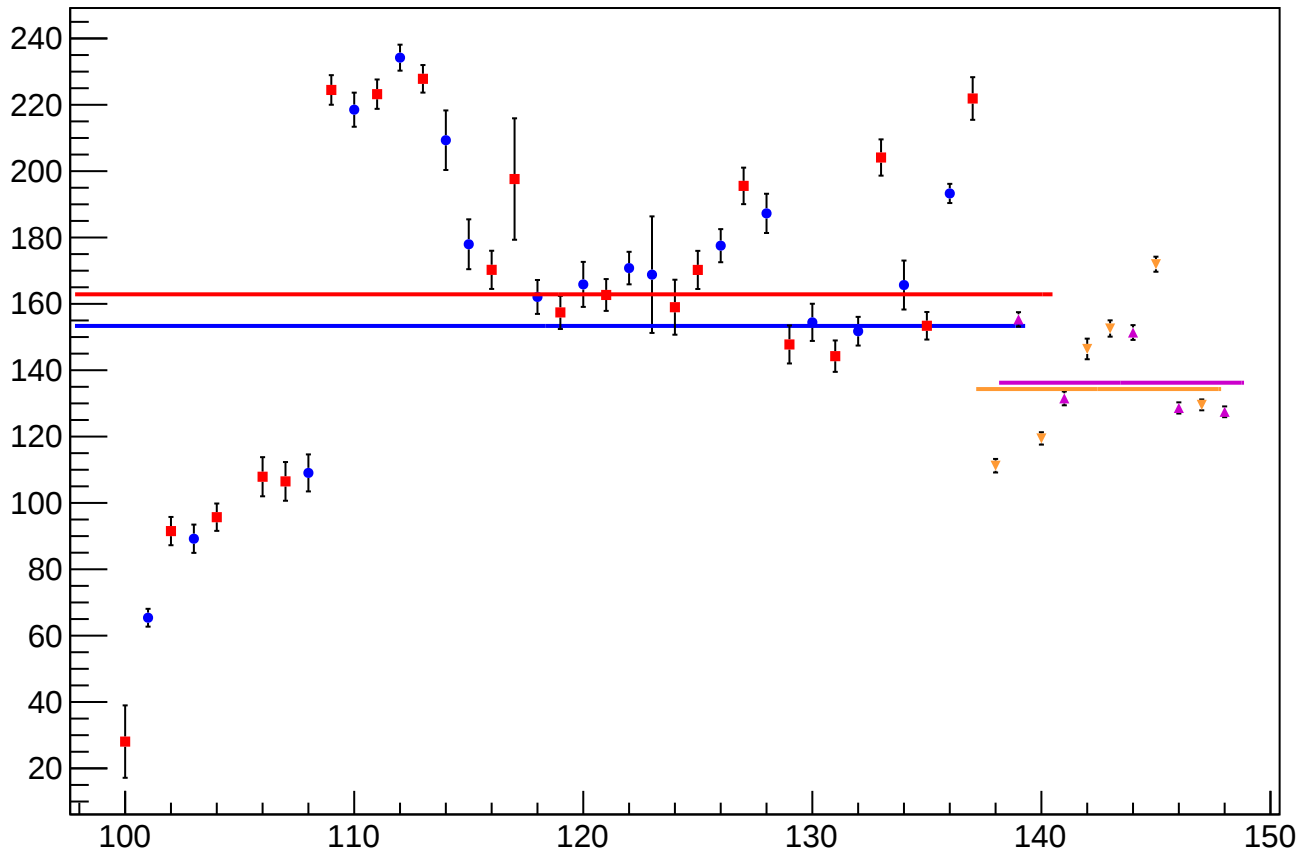
Right Out: 7.486 ± 0.650 χ^2/NDF : 271.7/19

Left In: 4.999 ± 0.542 χ^2/NDF : 117.3/4

4.145 ± 0.418 χ^2/NDF : 553.7/22

6.020 ± 0.416 χ^2/NDF : 397.6/24

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350+/-1.150 χ^2/NDF : 2268.3/16

Left Out: 134.324+/-0.857 χ^2/NDF : 545.0/5

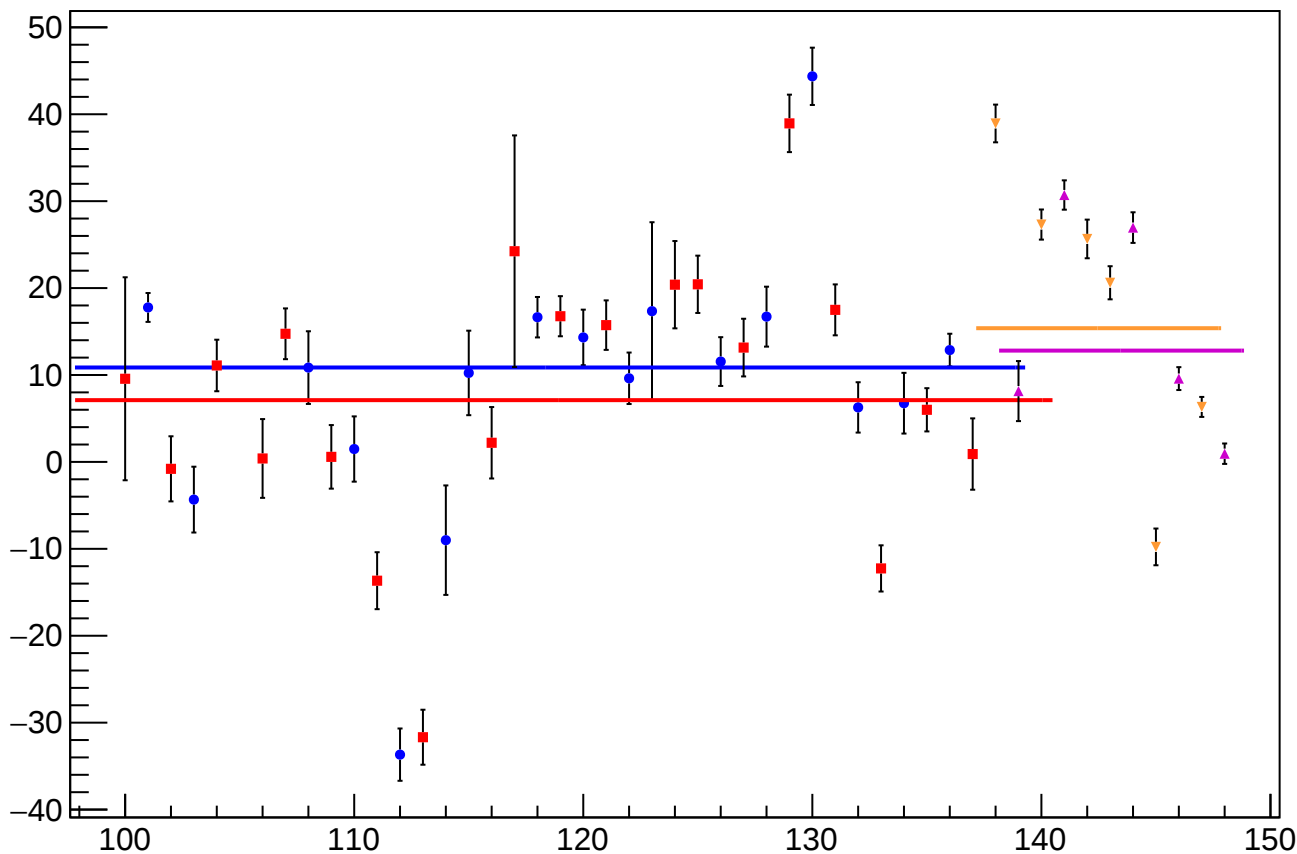
Right Out: 162.878+/-1.174 χ^2/NDF : 1712.4/19

Left In: 136.235+/-0.853 χ^2/NDF : 177.8/4

141.120+/-0.687 χ^2/NDF : 2989.1/22

145.441+/-0.690 χ^2/NDF : 2227.0/24

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 ± 0.719 χ^2/NDF : 387.9/16

Left Out: 15.384 ± 0.707 χ^2/NDF : 397.8/5

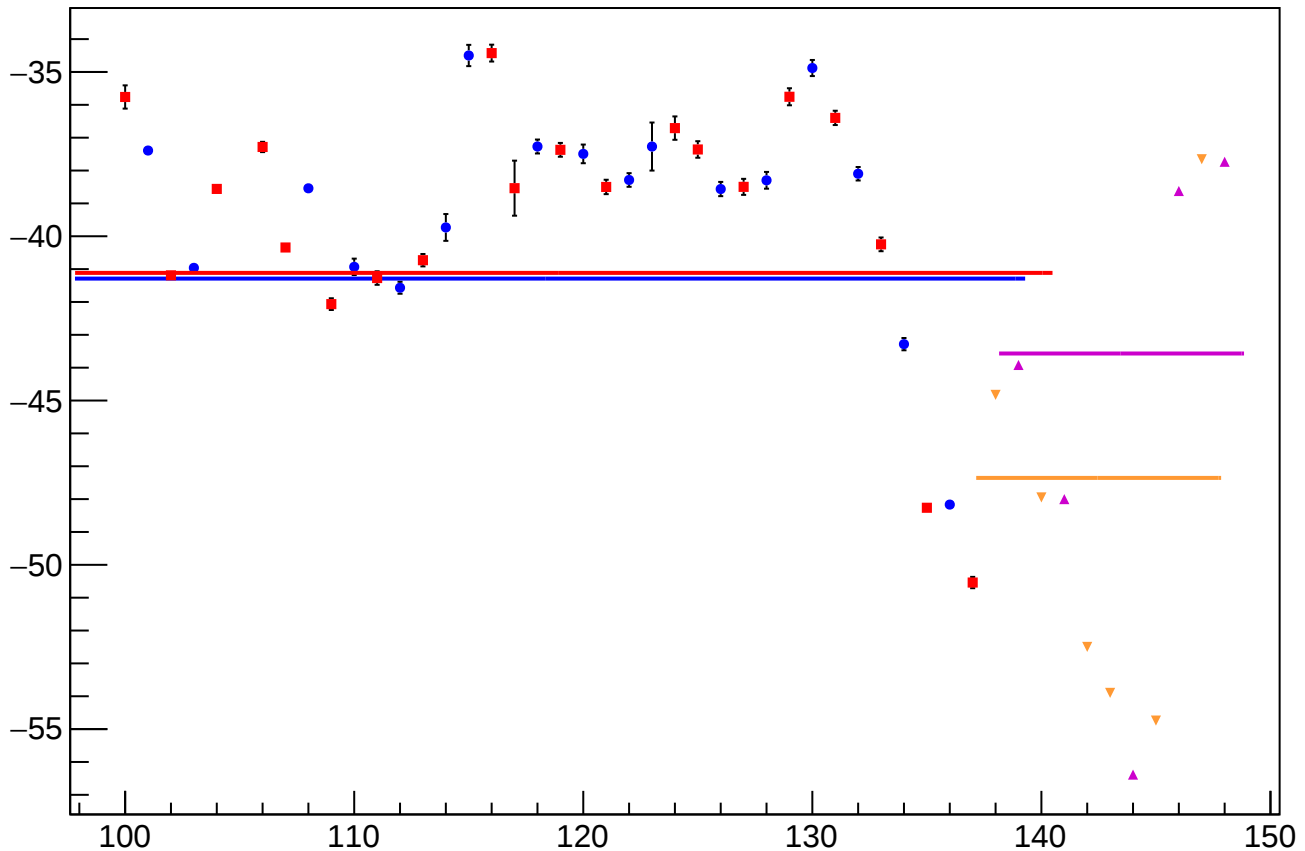
Right Out: 7.106 ± 0.746 χ^2/NDF : 426.4/19

Left In: 12.807 ± 0.697 χ^2/NDF : 286.9/4

13.165 ± 0.504 χ^2/NDF : 805.8/22

10.152 ± 0.509 χ^2/NDF : 744.4/24

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289±/0.039 χ^2/NDF : 12509.1/16

Left Out: -47.355±/0.036 χ^2/NDF : 29635.0/5

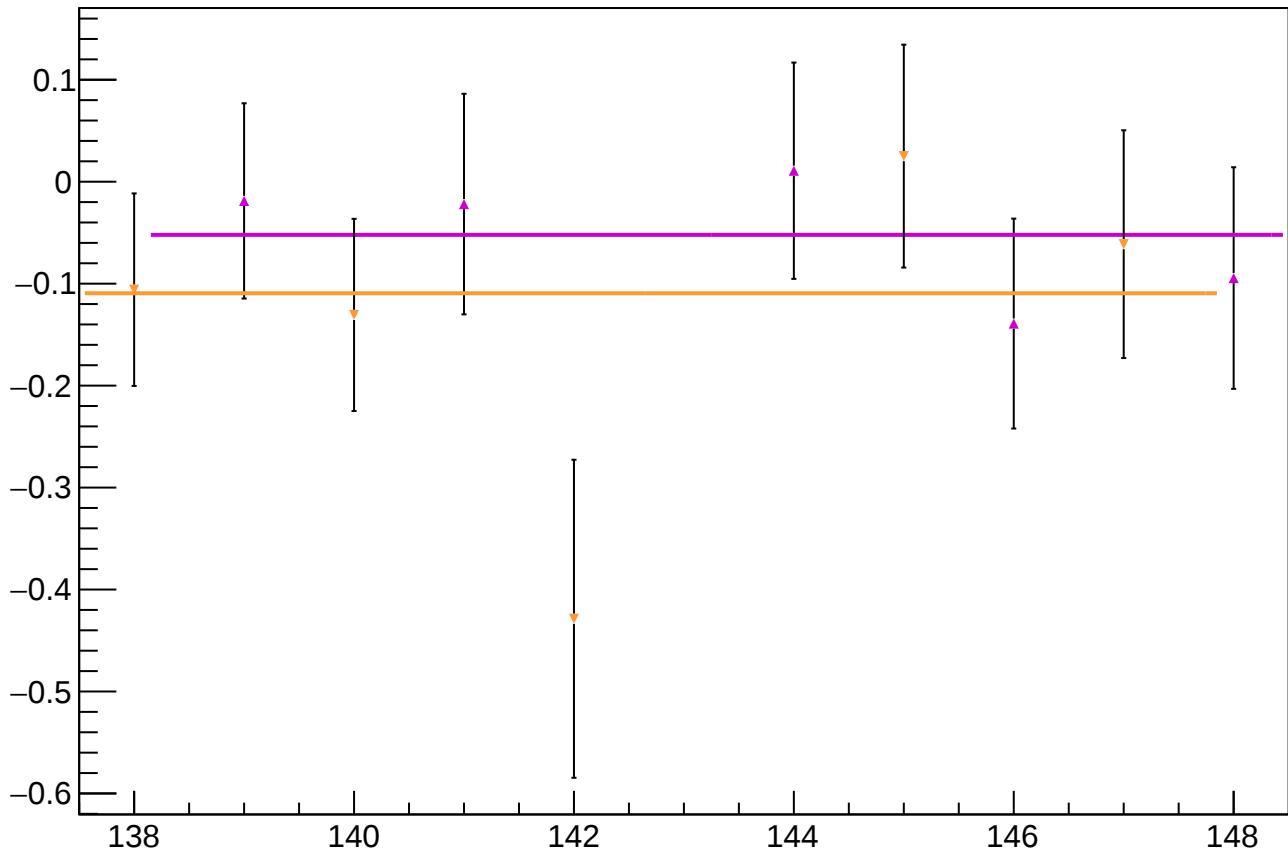
Right Out: -41.115±/0.039 χ^2/NDF : 12120.1/19

Left In: -43.568±/0.036 χ^2/NDF : 31123.3/4

-44.515±/0.026 χ^2/NDF : 55274.4/22

-42.442±/0.026 χ^2/NDF : 45425.4/24

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.109 $\pm$ 0.048 χ^2 /NDF: 5.9/4

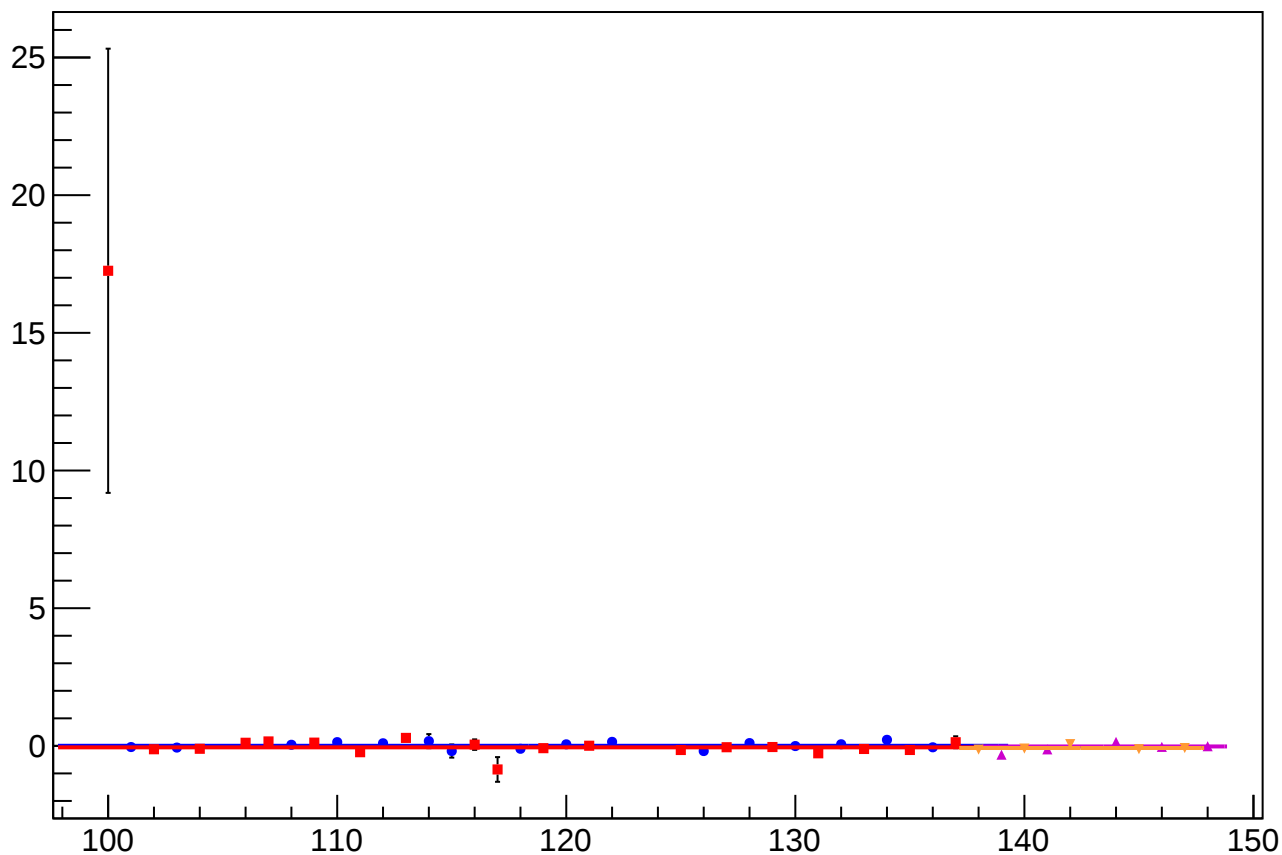
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.052 $\pm$ 0.046 χ^2 /NDF: 1.4/4

-0.109 $\pm$ 0.048 χ^2 /NDF: 5.9/4

-0.052 $\pm$ 0.046 χ^2 /NDF: 1.4/4

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 +/- 0.029 χ^2/NDF : 12.4/15

Left Out: -0.077 +/- 0.035 χ^2/NDF : 2.6/4

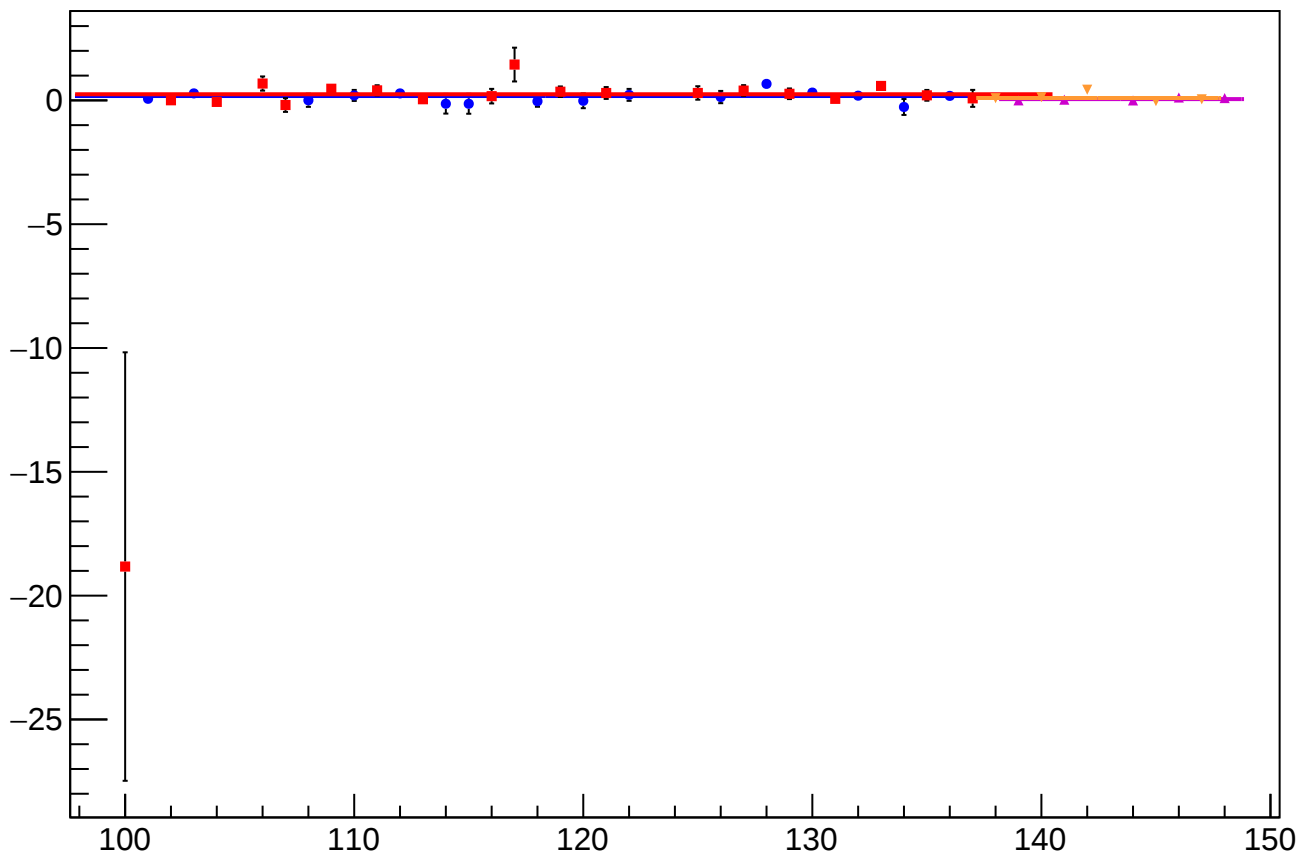
Right Out: -0.053 +/- 0.029 χ^2/NDF : 28.8/18

Left In: -0.021 +/- 0.032 χ^2/NDF : 9.7/4

-0.029 +/- 0.022 χ^2/NDF : 18.3/20

-0.038 +/- 0.021 χ^2/NDF : 39.1/23

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.096+/-0.050 χ^2/NDF : 5.6/4

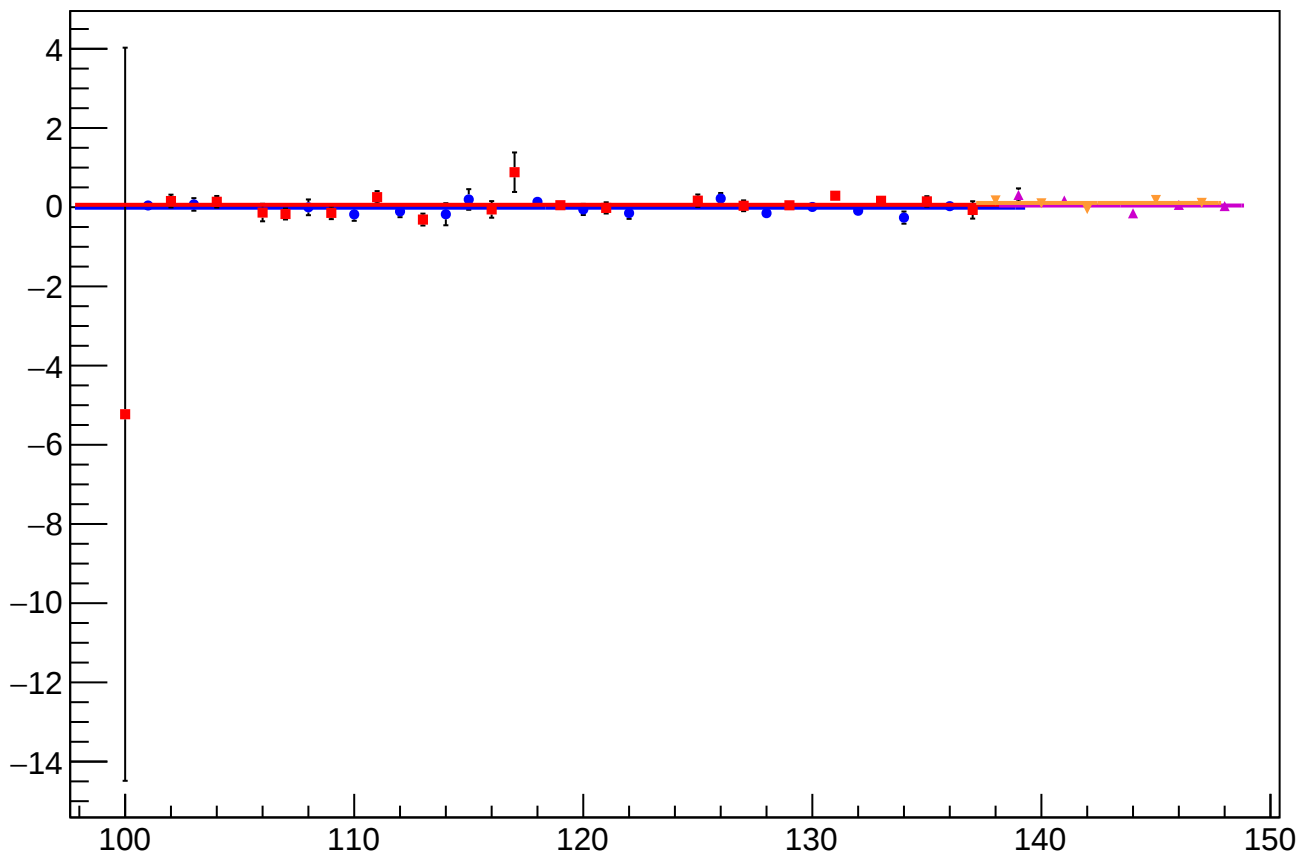
Right Out: 0.247+/-0.054 χ^2/NDF : 24.7/18

Left In: 0.052+/-0.047 χ^2/NDF : 1.1/4

0.134+/-0.036 χ^2/NDF : 19.8/20

0.137+/-0.036 χ^2/NDF : 33.3/23

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 $\pm$ 0.033 χ^2/NDF : 13.6/15

Left Out: 0.107 $\pm$ 0.043 χ^2/NDF : 2.5/4

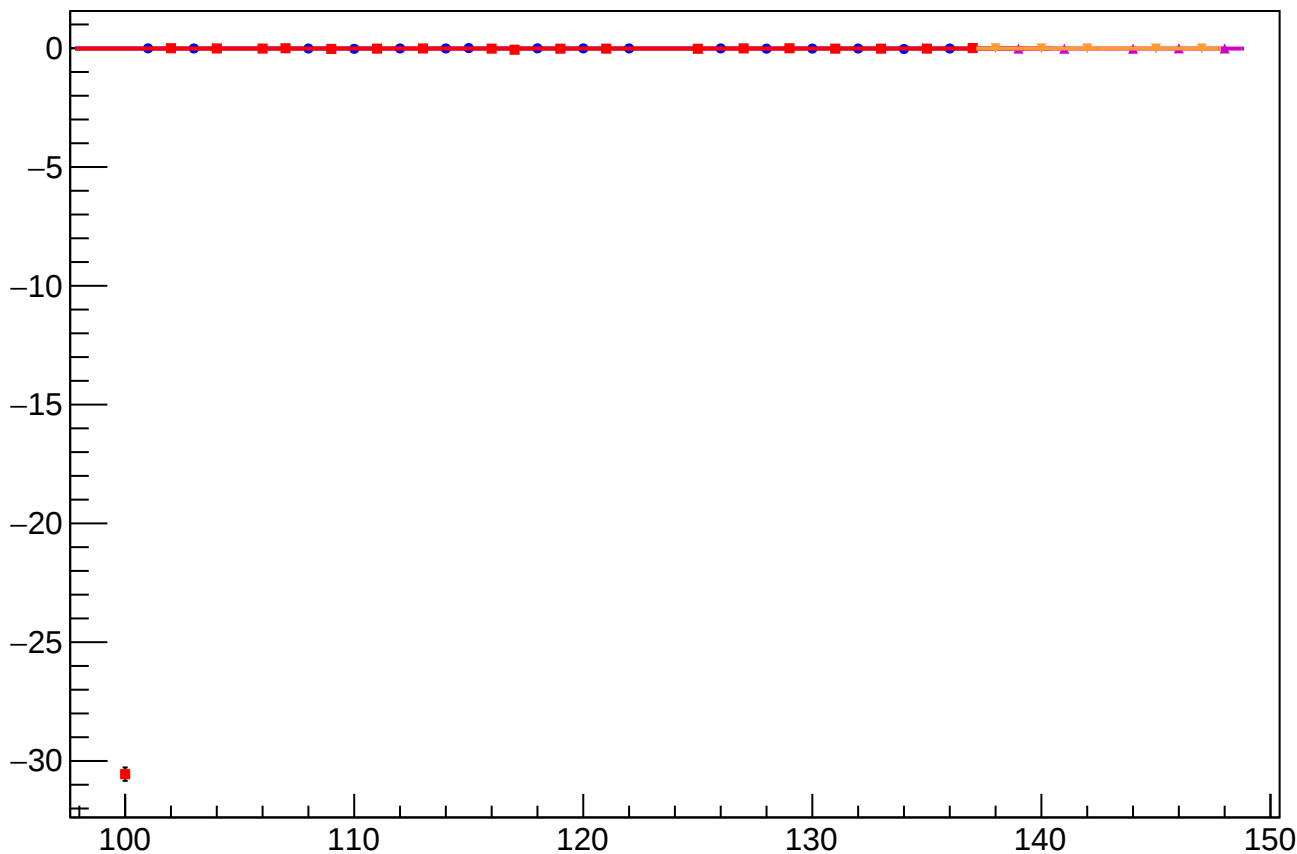
Right Out: 0.061 $\pm$ 0.034 χ^2/NDF : 23.1/18

Left In: 0.042 $\pm$ 0.040 χ^2/NDF : 9.3/4

0.031 $\pm$ 0.026 χ^2/NDF : 21.1/20

0.053 $\pm$ 0.026 χ^2/NDF : 32.5/23

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.010 $\pm$ 0.002 χ^2 /NDF: 7.1/4

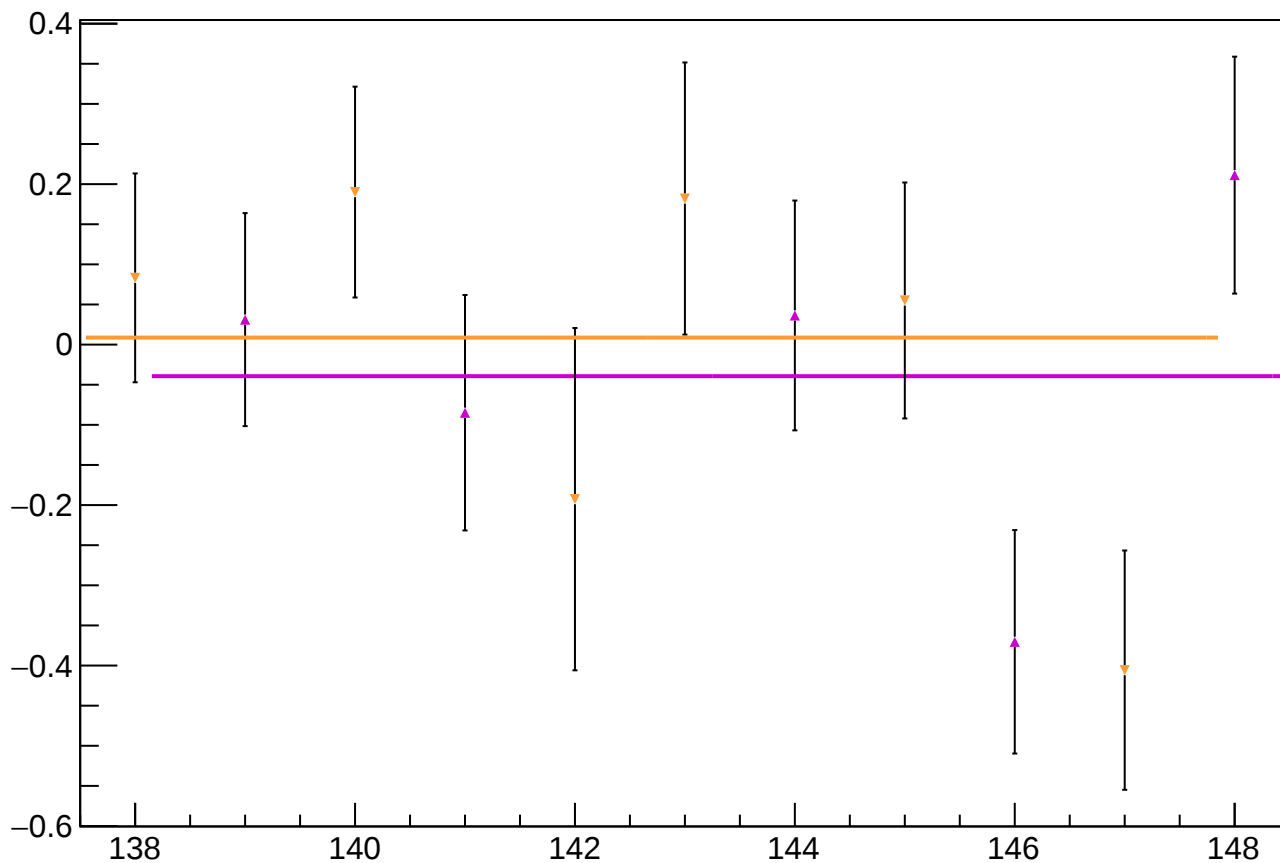
Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11894.0/18

Left In: -0.014 $\pm$ 0.002 χ^2 /NDF: 5.7/4

-0.011 $\pm$ 0.001 χ^2 /NDF: 20.6/20

-0.013 $\pm$ 0.001 χ^2 /NDF: 11900.0/23

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: 0.009 $\pm$ 0.061 χ^2 /NDF: 12.0/5

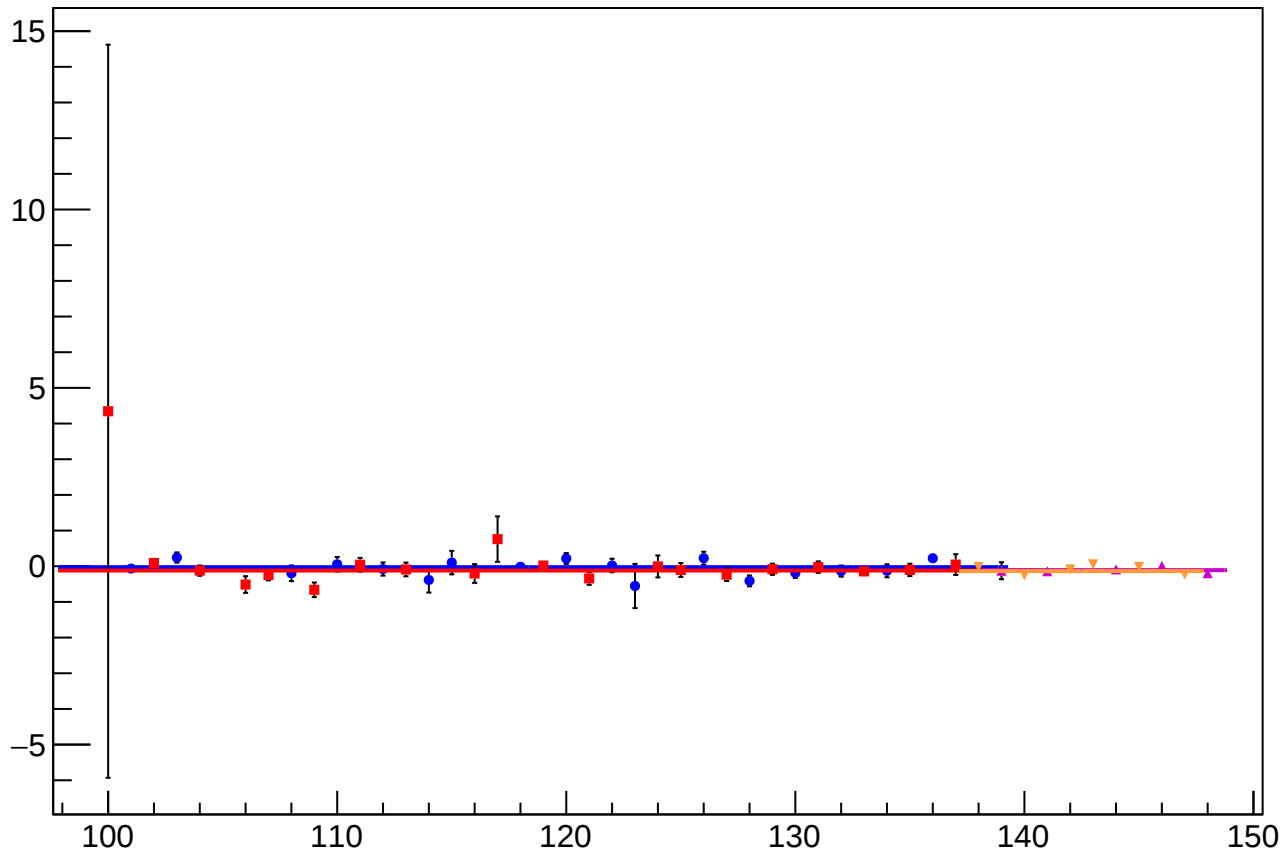
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.039 $\pm$ 0.063 χ^2 /NDF: 9.2/4

0.009 $\pm$ 0.061 χ^2 /NDF: 12.0/5

-0.039 $\pm$ 0.063 χ^2 /NDF: 9.2/4

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

-0.072 ± 0.028 χ^2/NDF : 33.7/22

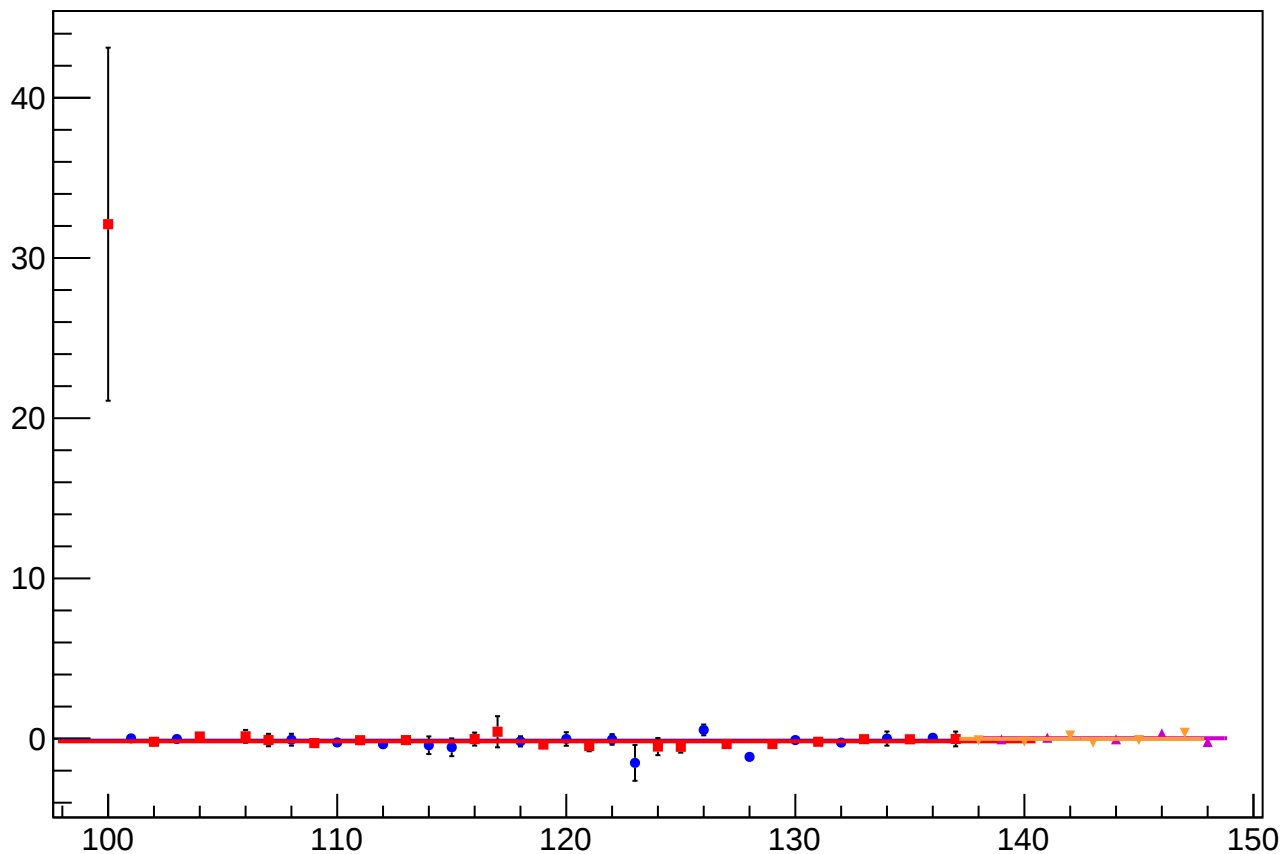
Left Out: -0.136 ± 0.044 χ^2/NDF : 7.3/5

Right Out: -0.120 ± 0.039 χ^2/NDF : 20.2/19

-0.115 ± 0.029 χ^2/NDF : 24.0/24

Left In: -0.109 ± 0.043 χ^2/NDF : 3.7/4

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129+/-0.067 χ^2/NDF : 23.1/16

Left Out: -0.018+/-0.064 χ^2/NDF : 12.2/5

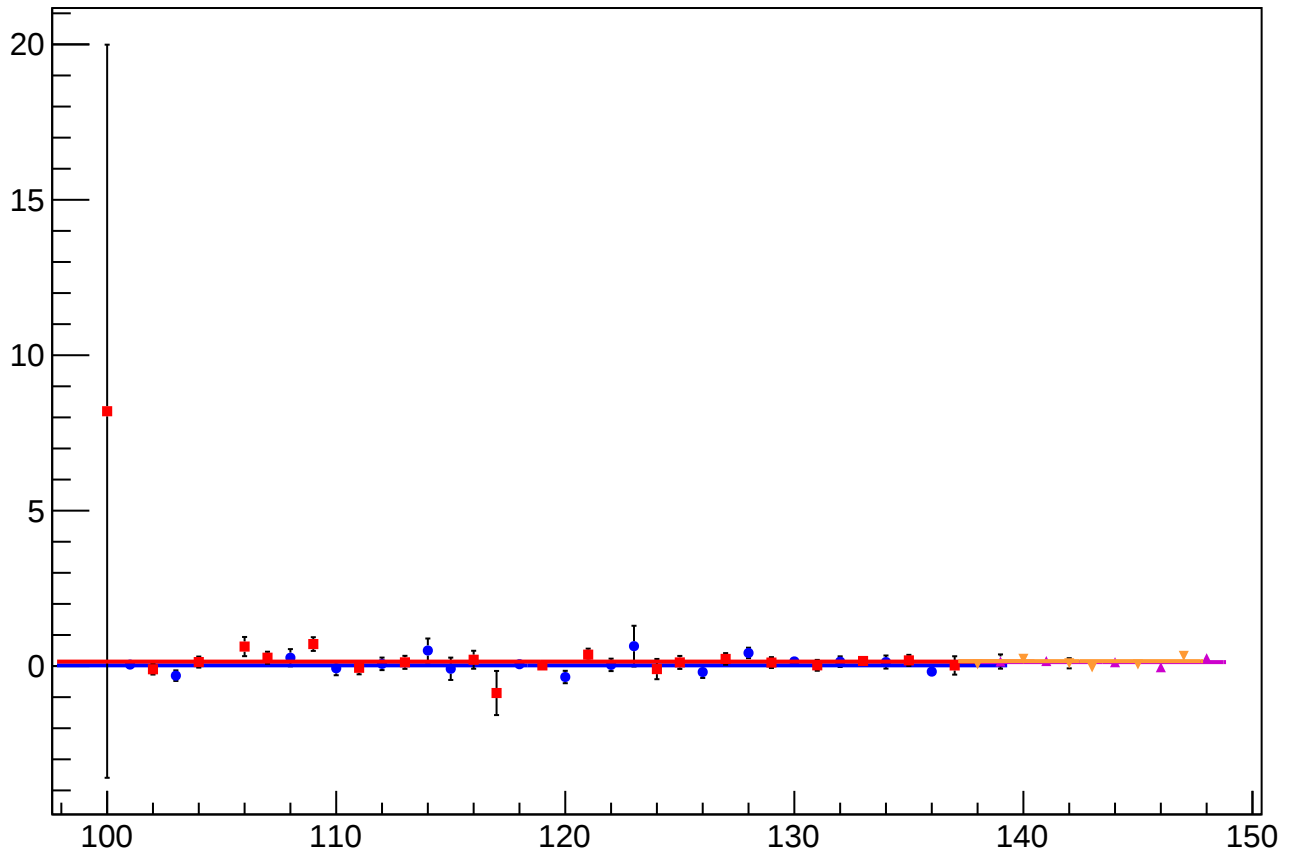
Right Out: -0.169+/-0.071 χ^2/NDF : 15.3/19

Left In: 0.024+/-0.064 χ^2/NDF : 8.3/4

-0.071+/-0.046 χ^2/NDF : 36.7/22

-0.063+/-0.048 χ^2/NDF : 27.7/24

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 $\pm$ 0.043 χ^2/NDF : 21.3/16

Left Out: 0.159 $\pm$ 0.054 χ^2/NDF : 6.6/5

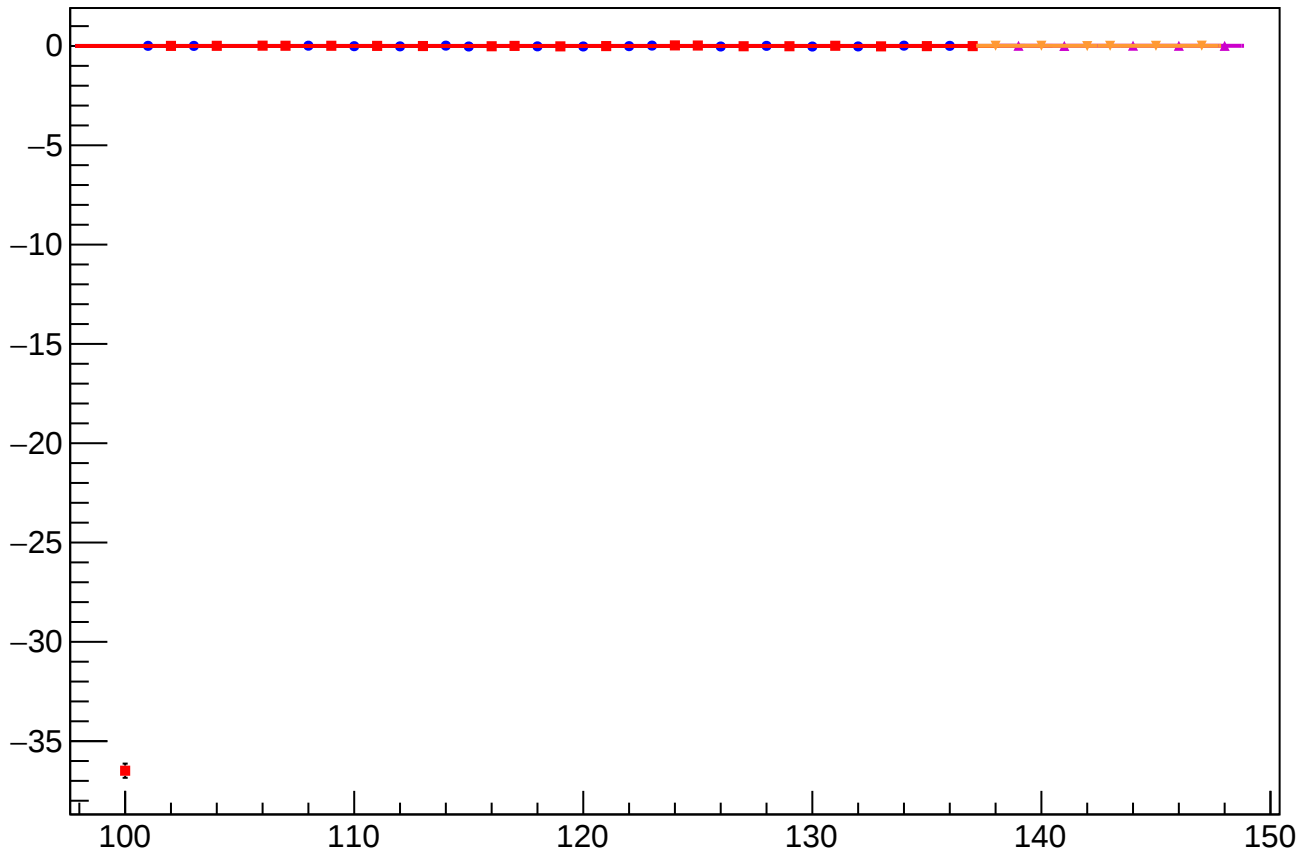
Right Out: 0.144 $\pm$ 0.045 χ^2/NDF : 18.6/19

Left In: 0.127 $\pm$ 0.054 χ^2/NDF : 4.1/4

0.075 $\pm$ 0.033 χ^2/NDF : 31.8/22

0.137 $\pm$ 0.035 χ^2/NDF : 22.8/24

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 30.6/16

Left Out: 0.010+/-0.003 χ^2/NDF : 4.3/5

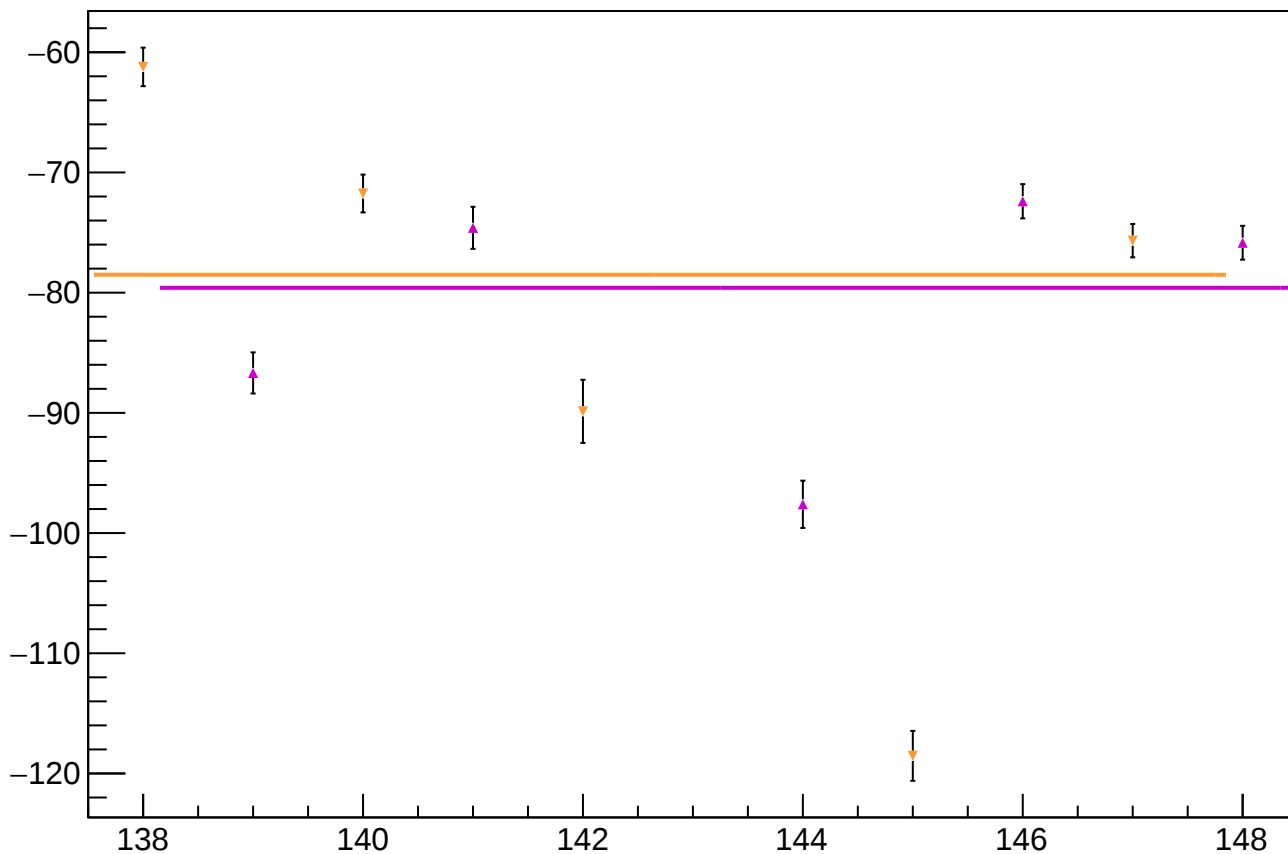
Right Out: 0.001+/-0.002 χ^2/NDF : 10449.1/19

Left In: 0.010+/-0.003 χ^2/NDF : 1.9/4

0.005+/-0.002 χ^2/NDF : 40.8/22

0.005+/-0.002 χ^2/NDF : 10457.2/24

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -78.513+/-0.770 χ^2/NDF : 529.7/4

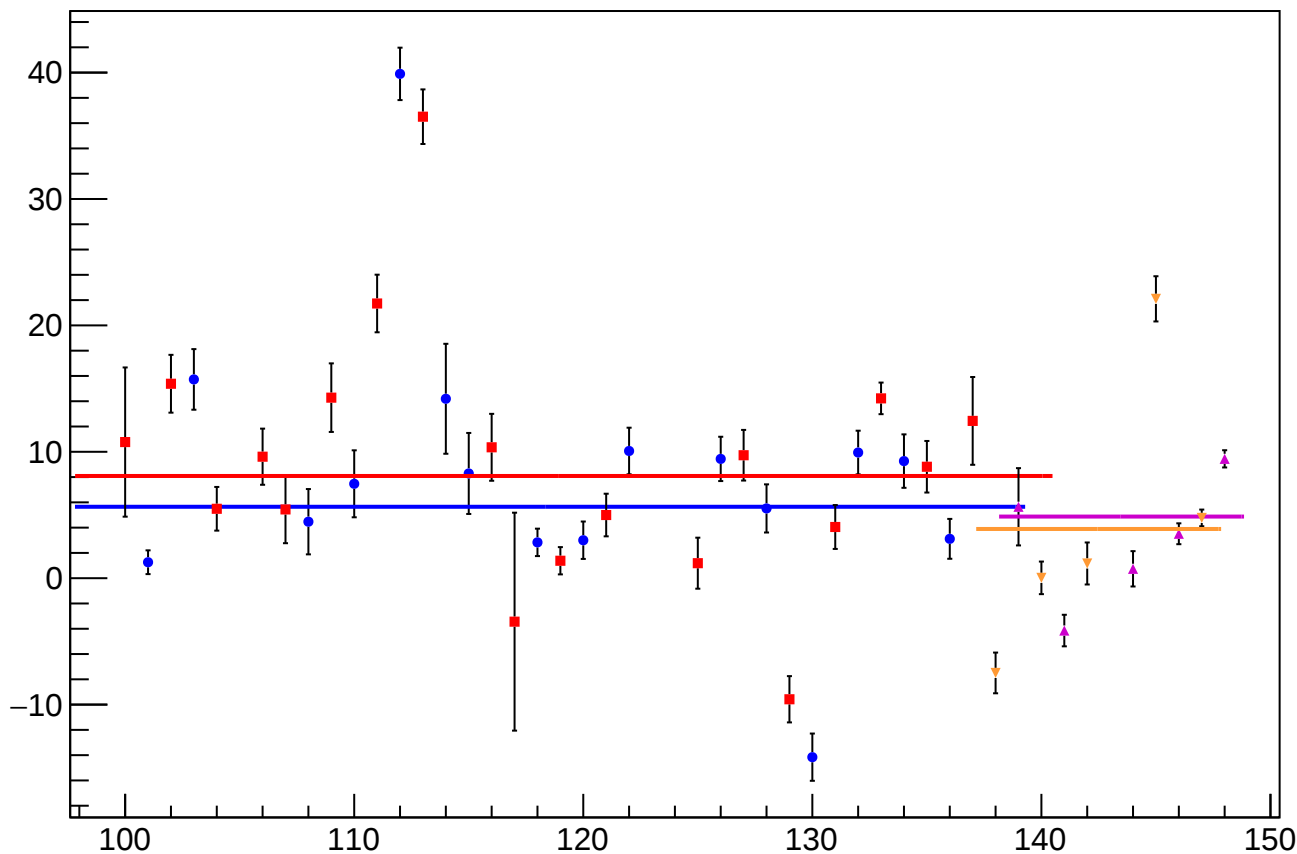
-78.513+/-0.770 χ^2/NDF : 529.7/4

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

-79.594+/-0.721 χ^2/NDF : 141.9/4

Left In: -79.594+/-0.721 χ^2/NDF : 141.9/4

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 3.895 ± 0.502 χ^2/NDF : 167.1/4

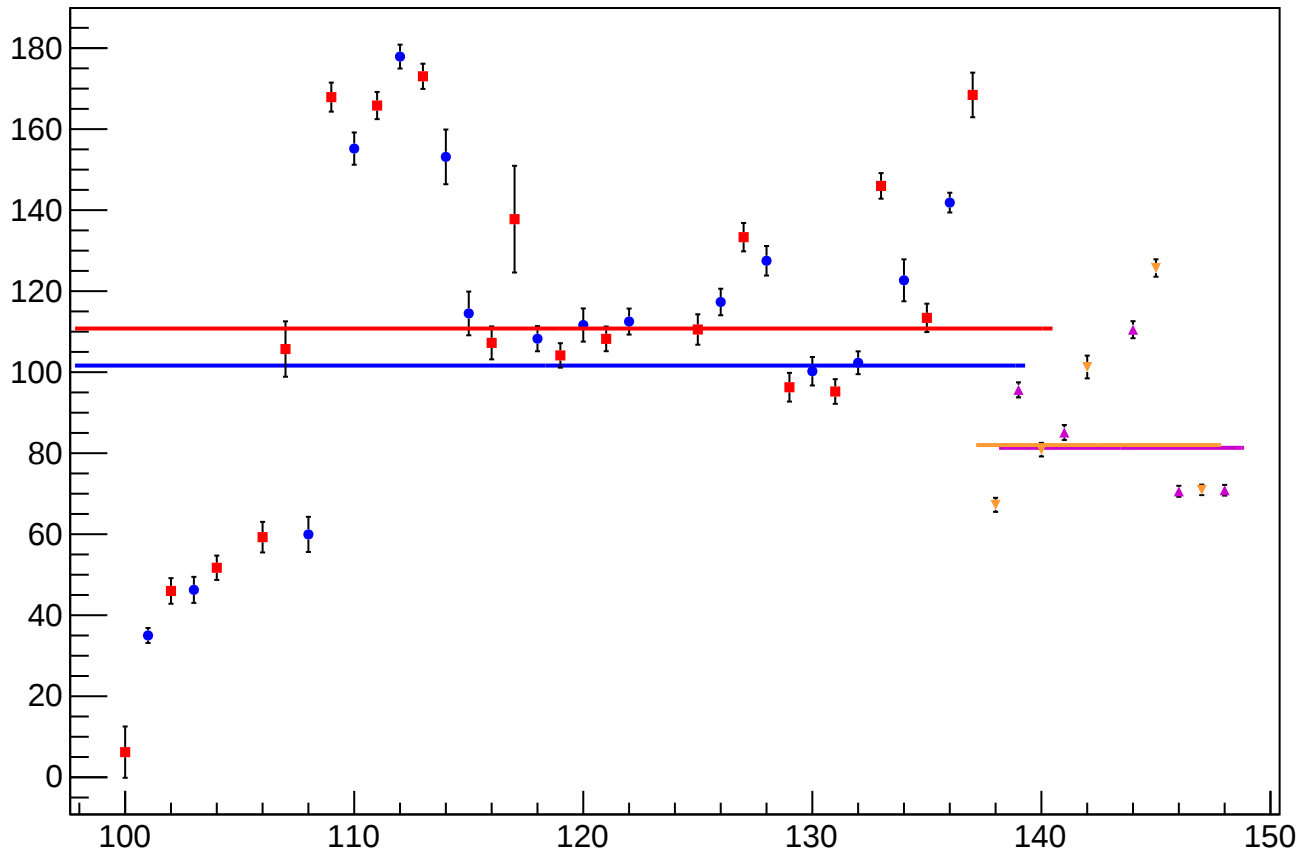
Right Out: 8.087 ± 0.452 χ^2/NDF : 409.7/18

Left In: 4.876 ± 0.453 χ^2/NDF : 108.5/4

4.910 ± 0.326 χ^2/NDF : 636.1/20

6.485 ± 0.320 χ^2/NDF : 543.4/23

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630+/-0.812 χ^2/NDF : 2980.2/15

Left Out: 82.009+/-0.785 χ^2/NDF : 603.8/4

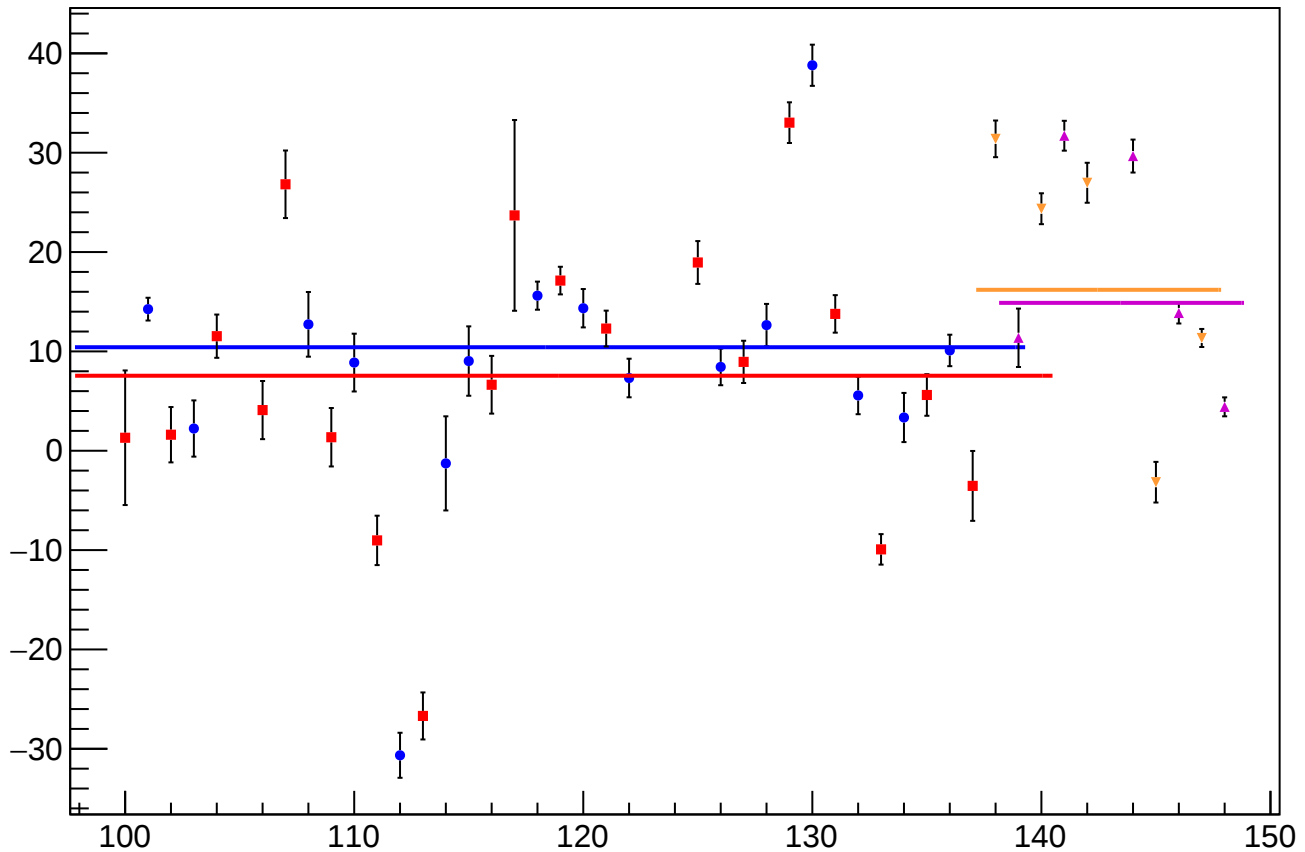
Right Out: 110.778+/-0.834 χ^2/NDF : 2518.3/18

Left In: 81.328+/-0.721 χ^2/NDF : 381.3/4

91.487+/-0.564 χ^2/NDF : 3885.8/20

93.926+/-0.546 χ^2/NDF : 3612.3/23

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2/NDF : 579.7/15

Left Out: 16.200 $\pm$ 0.645 χ^2/NDF : 242.1/4

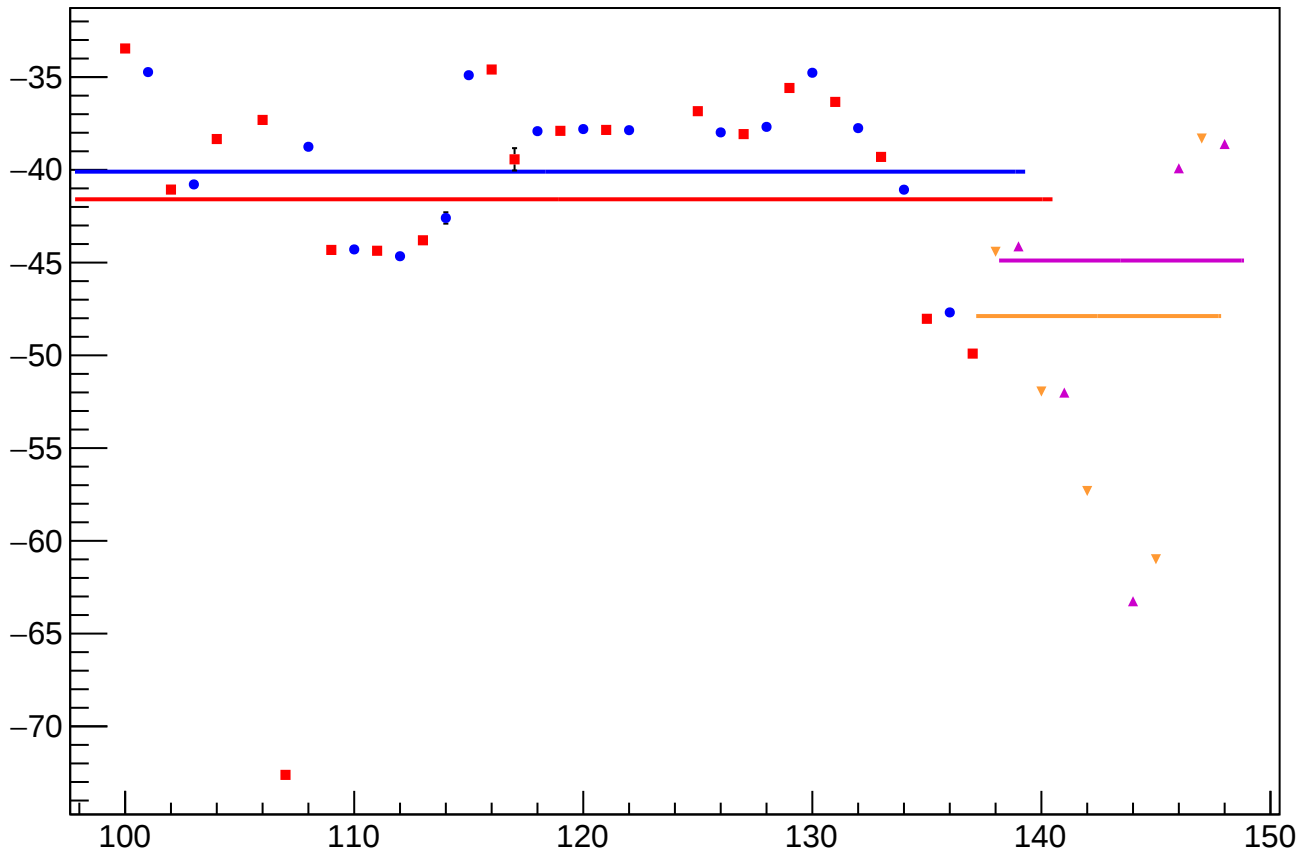
Right Out: 7.550 $\pm$ 0.522 χ^2/NDF : 692.3/18

Left In: 14.885 $\pm$ 0.586 χ^2/NDF : 327.5/4

12.575 $\pm$ 0.394 χ^2/NDF : 872.2/20

10.801 $\pm$ 0.390 χ^2/NDF : 1107.1/23

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -47.883 ± 0.034 χ^2/NDF : 60702.7/4

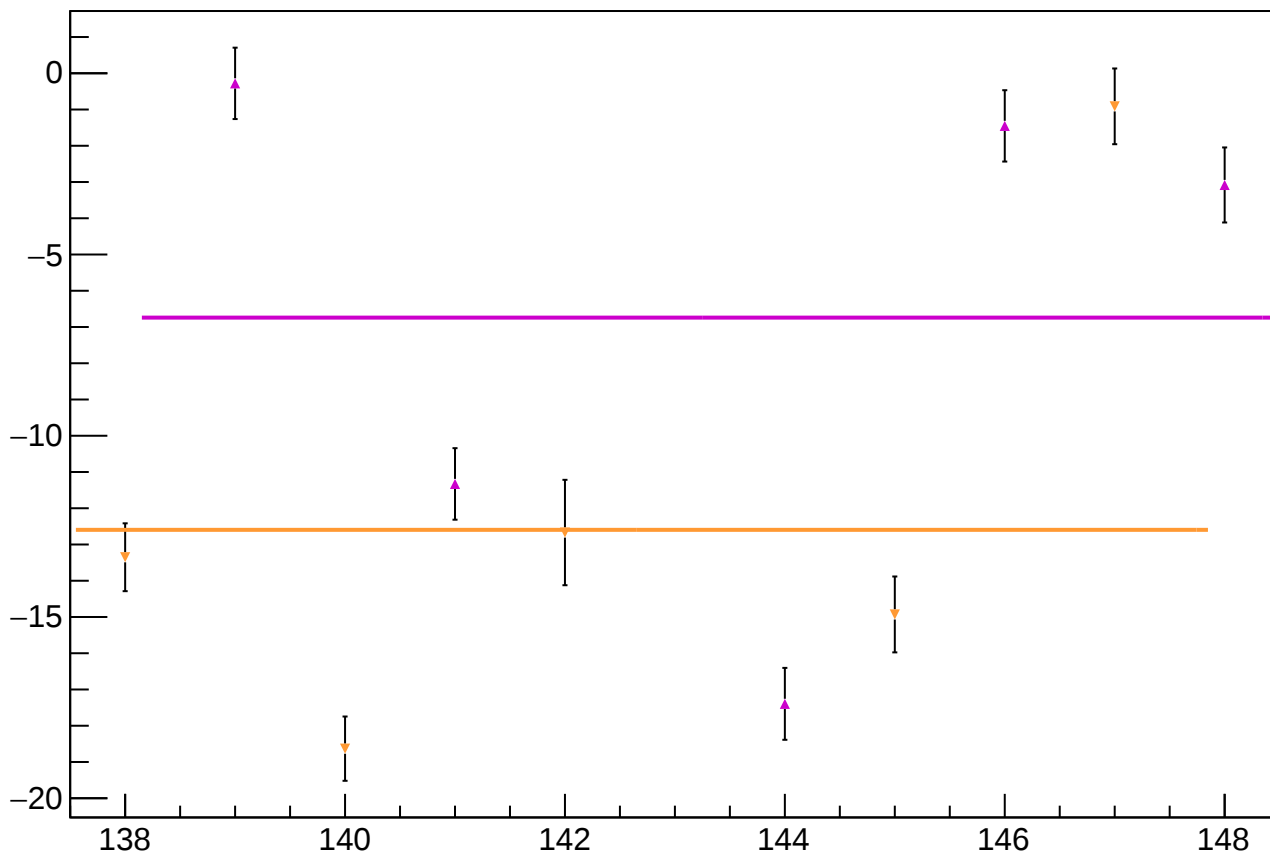
Right Out: -41.588 ± 0.029 χ^2/NDF : 61690.5/18

Left In: -44.888 ± 0.030 χ^2/NDF : 67419.1/4

-43.322 ± 0.022 χ^2/NDF : 117072.7/20

-43.148 ± 0.021 χ^2/NDF : 135422.3/23

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -12.596+/-0.460 χ^2/NDF : 177.1/4

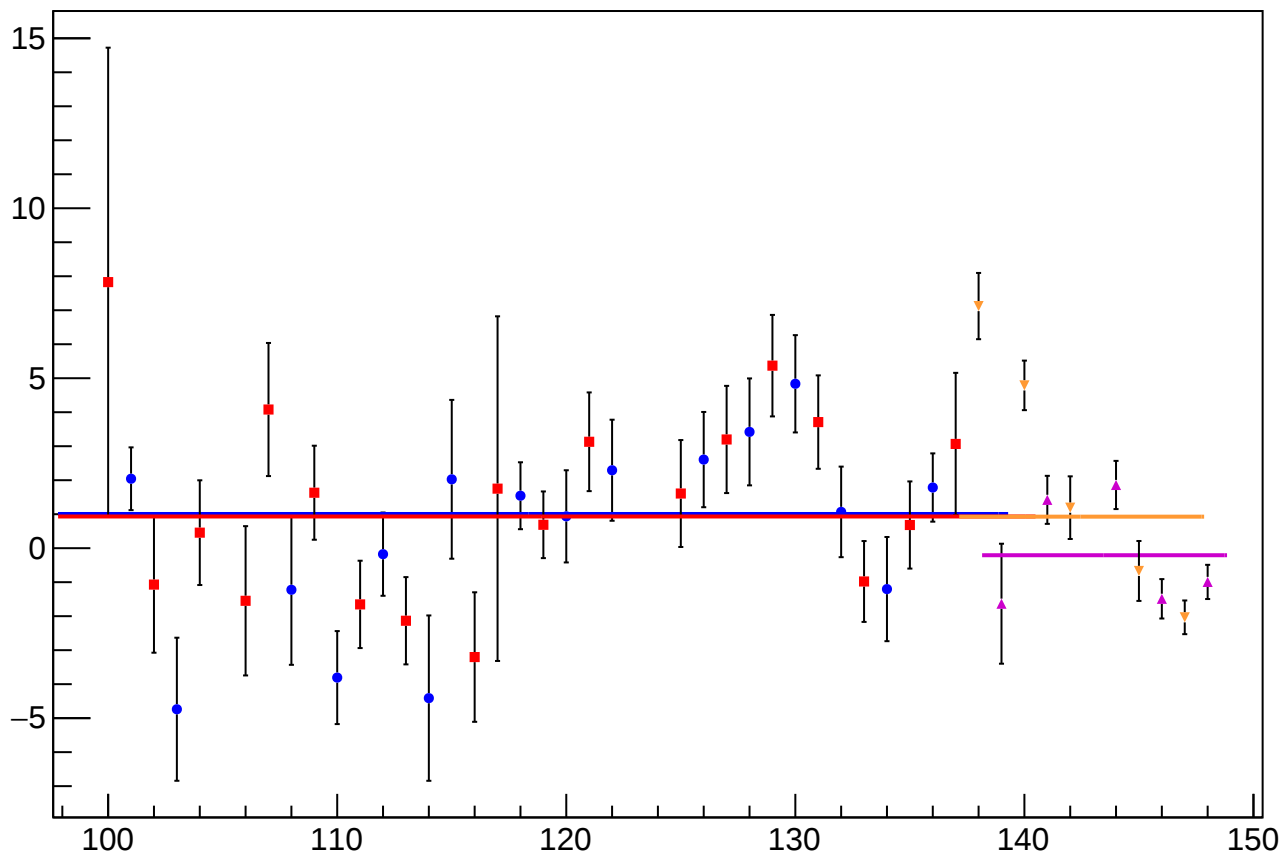
-12.596+/-0.460 χ^2/NDF : 177.1/4

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

-6.741+/-0.445 χ^2/NDF : 221.5/4

Left In: -6.741+/-0.445 χ^2/NDF : 221.5/4

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 0.928 ± 0.325 $\chi^2/\text{NDF}: 107.5/4$

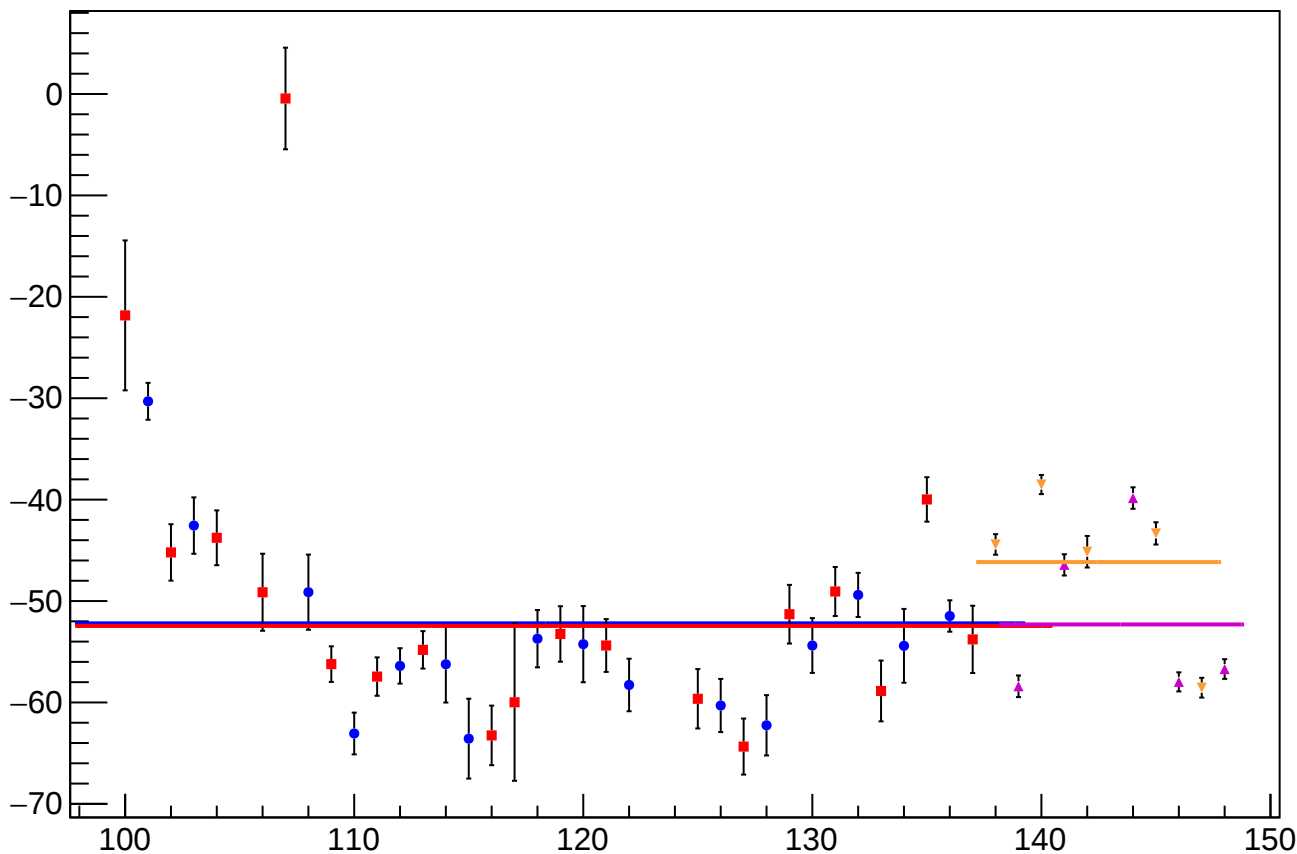
Right Out: 0.933 ± 0.352 $\chi^2/\text{NDF}: 41.9/18$

Left In: -0.207 ± 0.298 $\chi^2/\text{NDF}: 21.8/4$

0.965 ± 0.235 $\chi^2/\text{NDF}: 150.3/20$

0.269 ± 0.228 $\chi^2/\text{NDF}: 69.8/23$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -46.156 ± 0.478 χ^2/NDF : 236.8/4

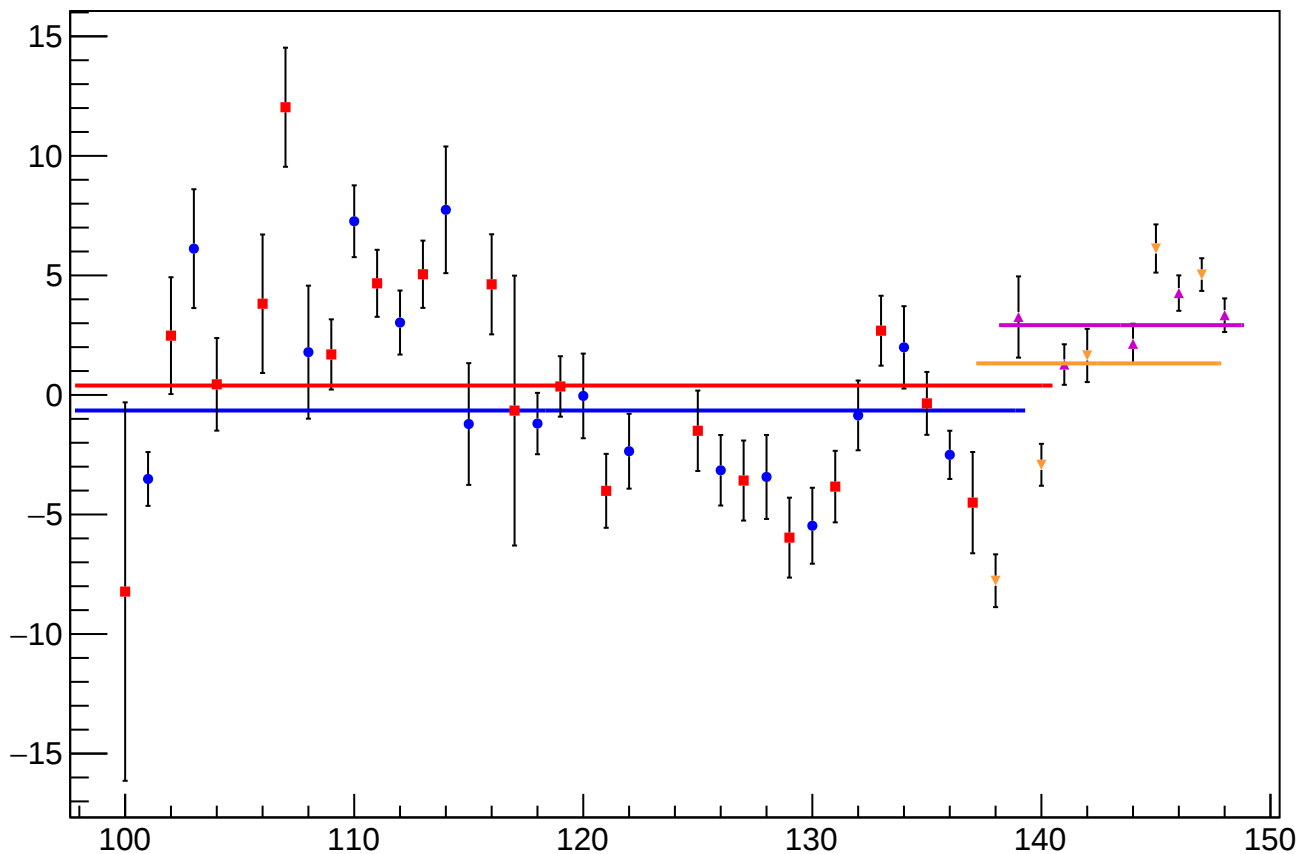
Right Out: -52.455 ± 0.614 χ^2/NDF : 234.8/18

Left In: -52.307 ± 0.453 χ^2/NDF : 258.7/4

-48.432 ± 0.377 χ^2/NDF : 527.7/20

-52.359 ± 0.365 χ^2/NDF : 493.6/23

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 1.320 ± 0.406 χ^2/NDF : 143.5/4

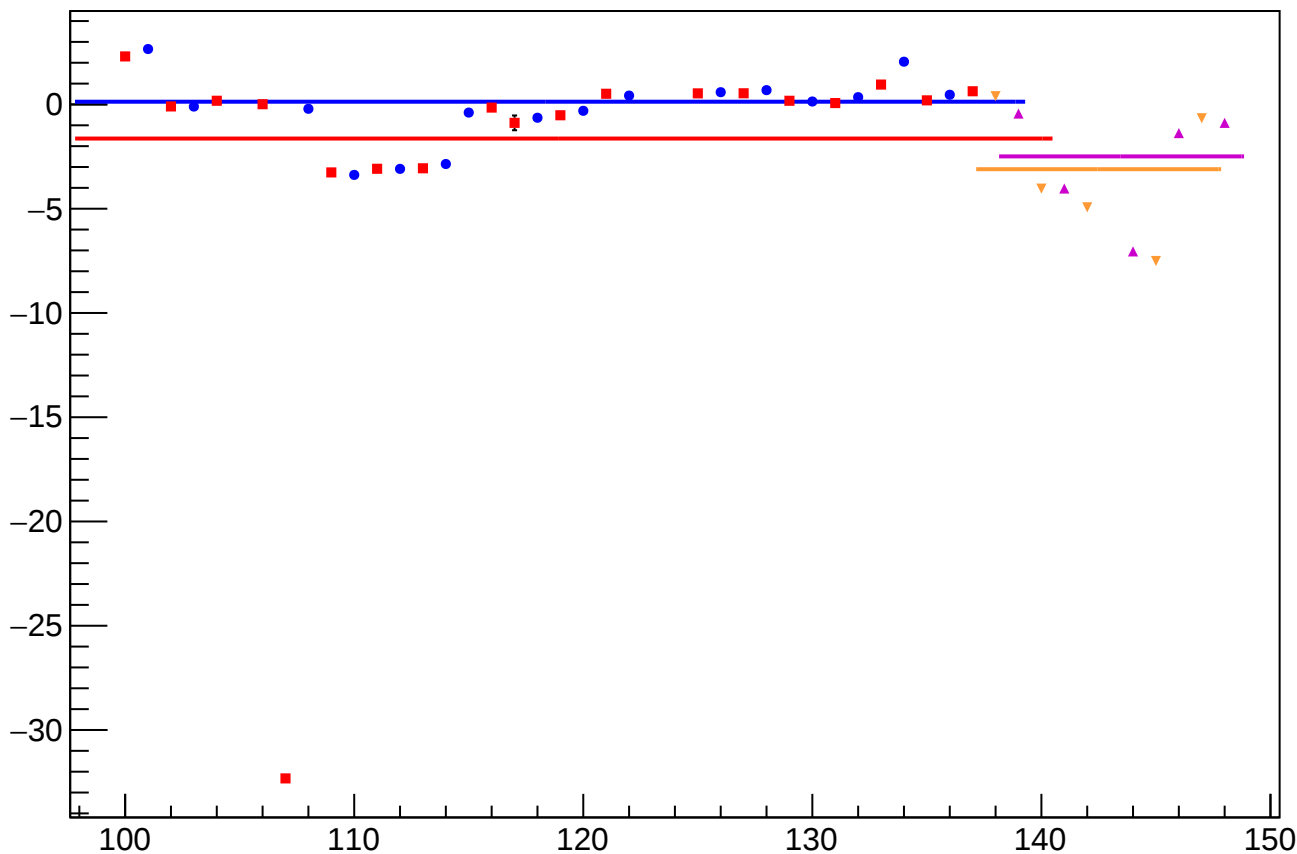
Right Out: 0.394 ± 0.398 χ^2/NDF : 95.9/18

Left In: 2.919 ± 0.378 χ^2/NDF : 8.3/4

0.286 ± 0.280 χ^2/NDF : 237.8/20

1.724 ± 0.274 χ^2/NDF : 125.4/23

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -3.105 ± 0.020 $\chi^2/\text{NDF}: 22369.9/4$

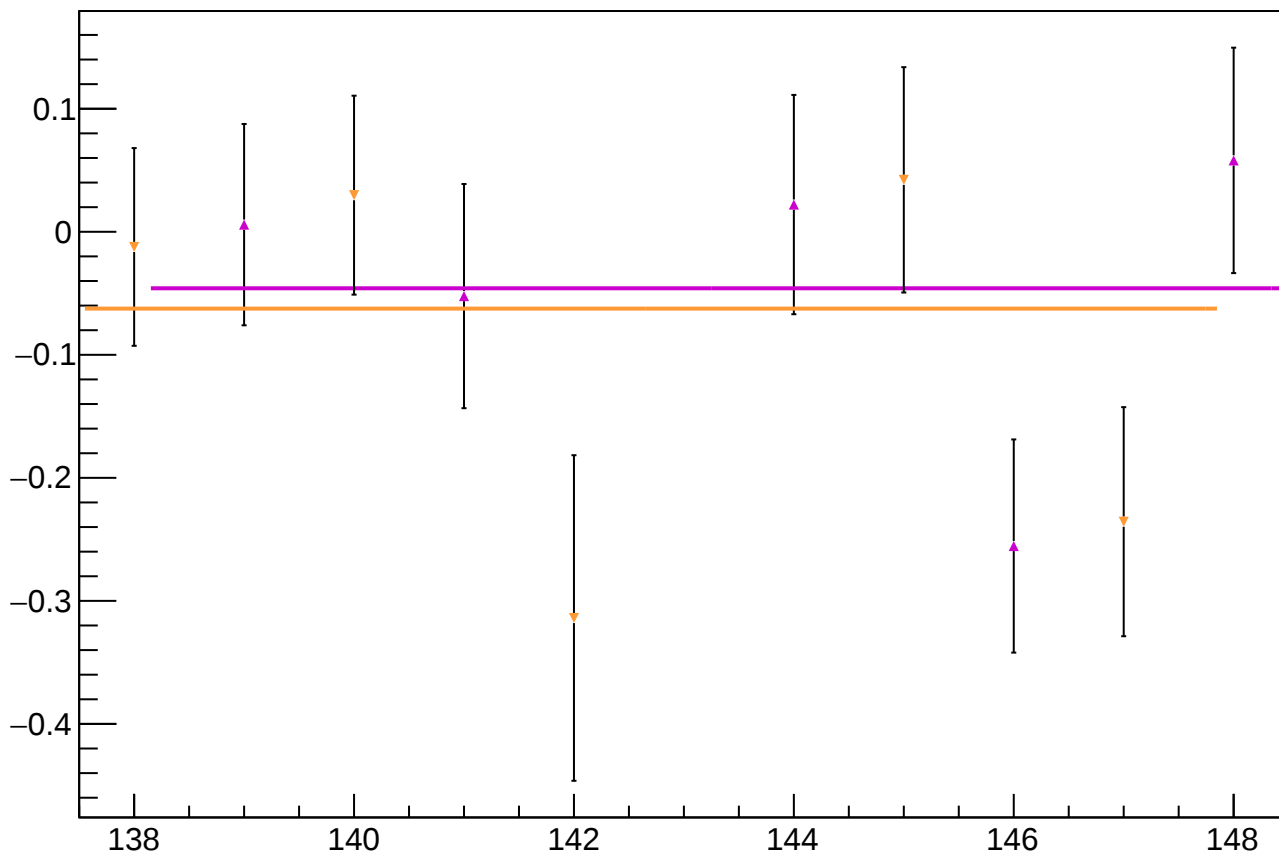
Right Out: -1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

Left In: -2.491 ± 0.019 $\chi^2/\text{NDF}: 16144.6/4$

-1.607 ± 0.015 $\chi^2/\text{NDF}: 39726.0/20$

-2.127 ± 0.014 $\chi^2/\text{NDF}: 94883.2/23$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.062+/-0.041 χ^2/NDF : 10.1/4

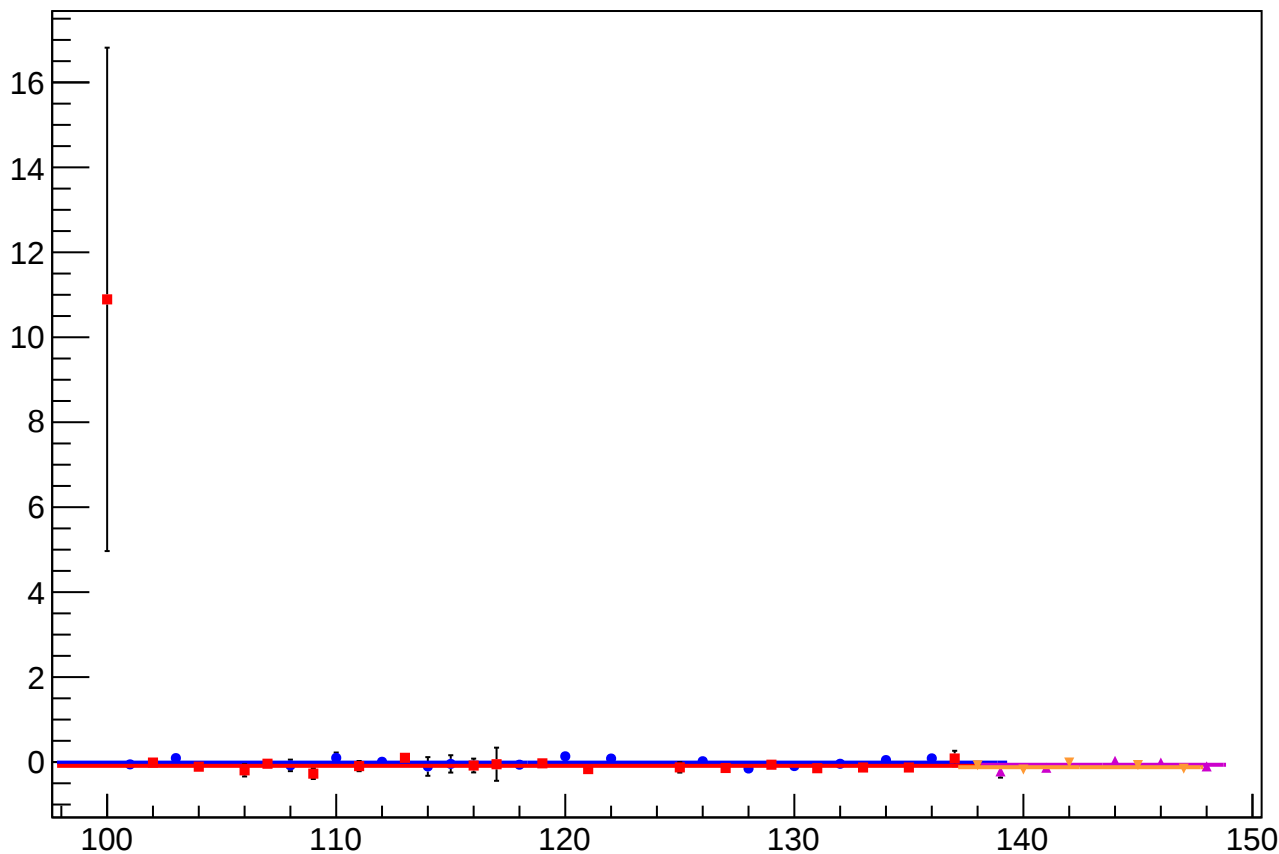
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.046+/-0.039 χ^2/NDF : 8.1/4

-0.062+/-0.041 χ^2/NDF : 10.1/4

-0.046+/-0.039 χ^2/NDF : 8.1/4

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.121 ± 0.029 χ^2/NDF : 3.7/4

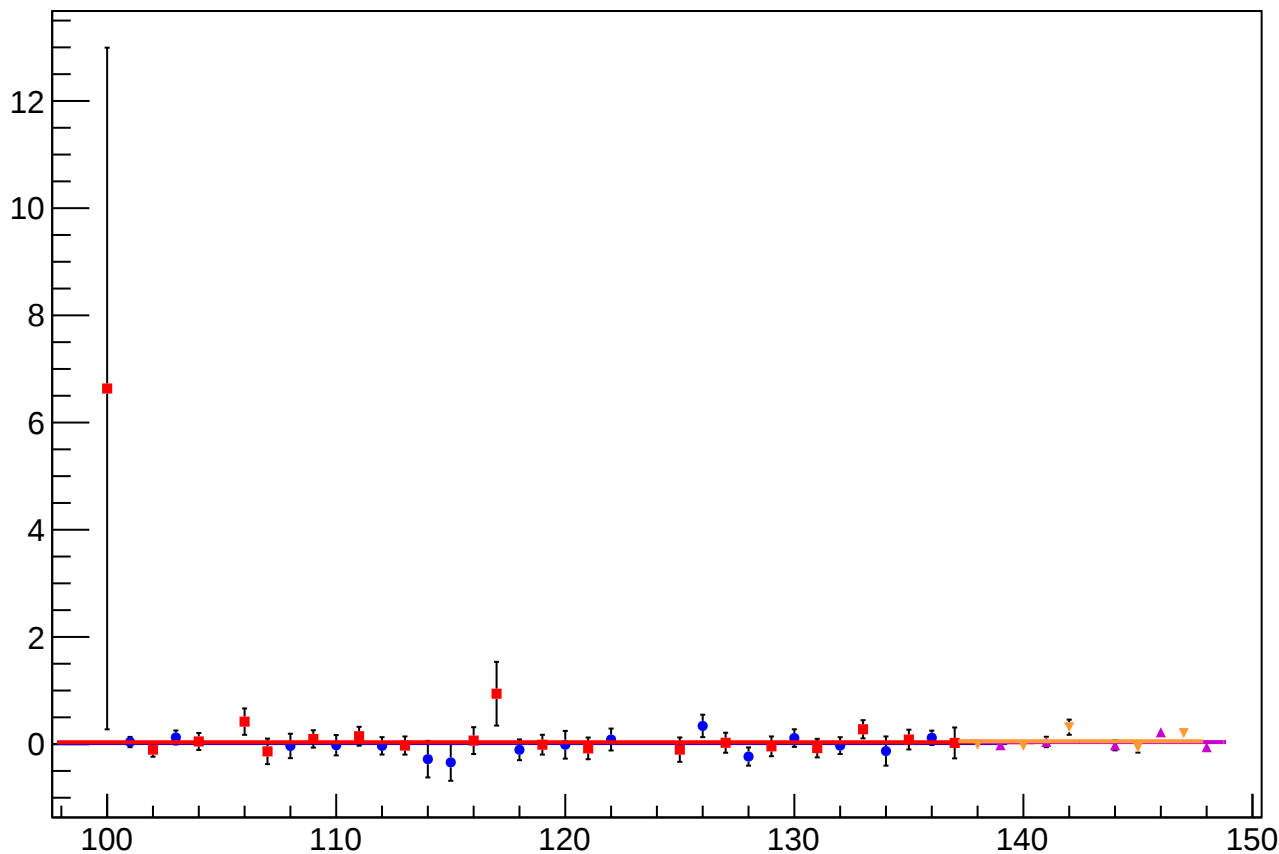
Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/18

Left In: -0.064 ± 0.027 χ^2/NDF : 6.2/4

-0.056 ± 0.018 χ^2/NDF : 23.7/20

-0.077 ± 0.018 χ^2/NDF : 19.6/23

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.054 $\pm$ 0.042 χ^2 /NDF: 9.4/4

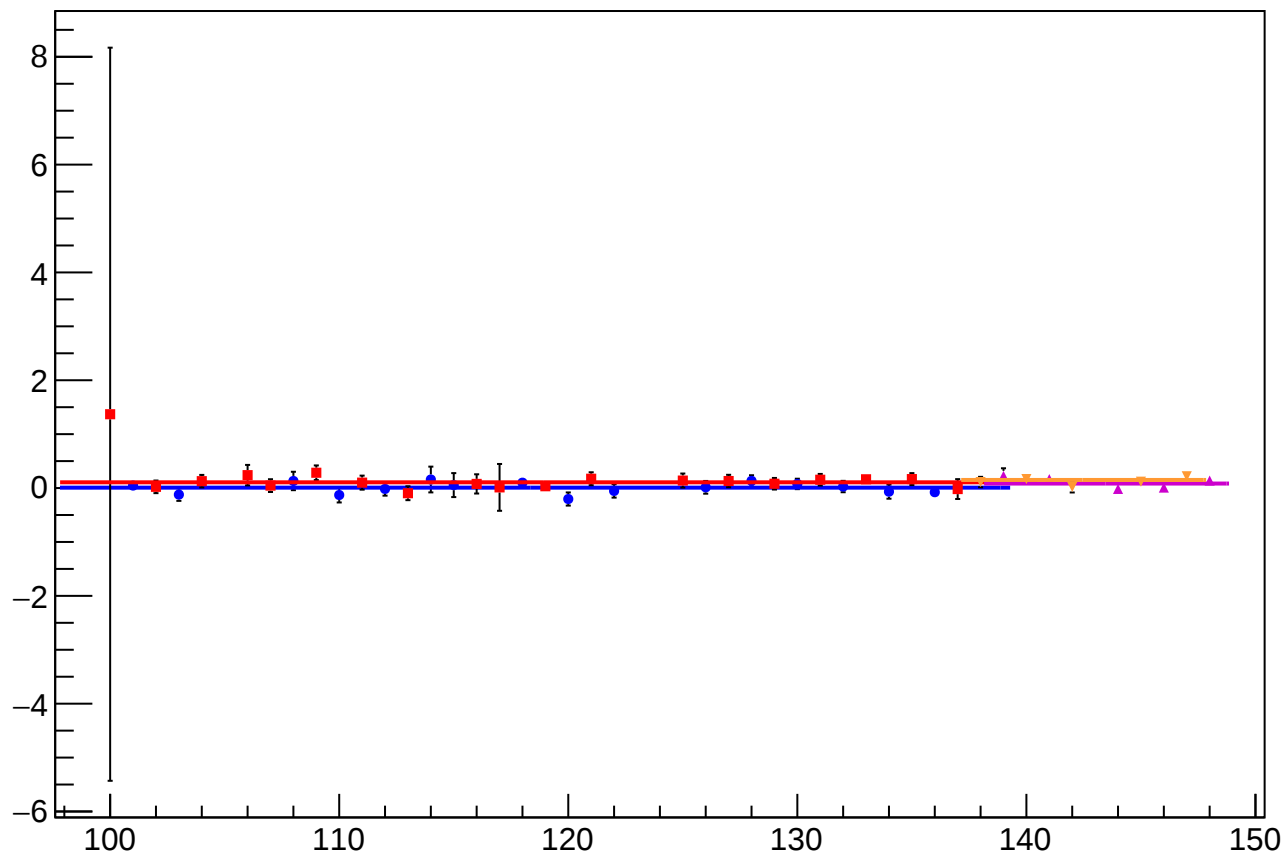
Right Out: 0.035 $\pm$ 0.045 χ^2 /NDF: 11.6/18

Left In: 0.038 $\pm$ 0.040 χ^2 /NDF: 6.9/4

0.037 $\pm$ 0.030 χ^2 /NDF: 18.9/20

0.037 $\pm$ 0.030 χ^2 /NDF: 18.5/23

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007+/-0.027 χ^2/NDF : 11.3/15

Left Out: 0.150+/-0.036 χ^2/NDF : 3.3/4

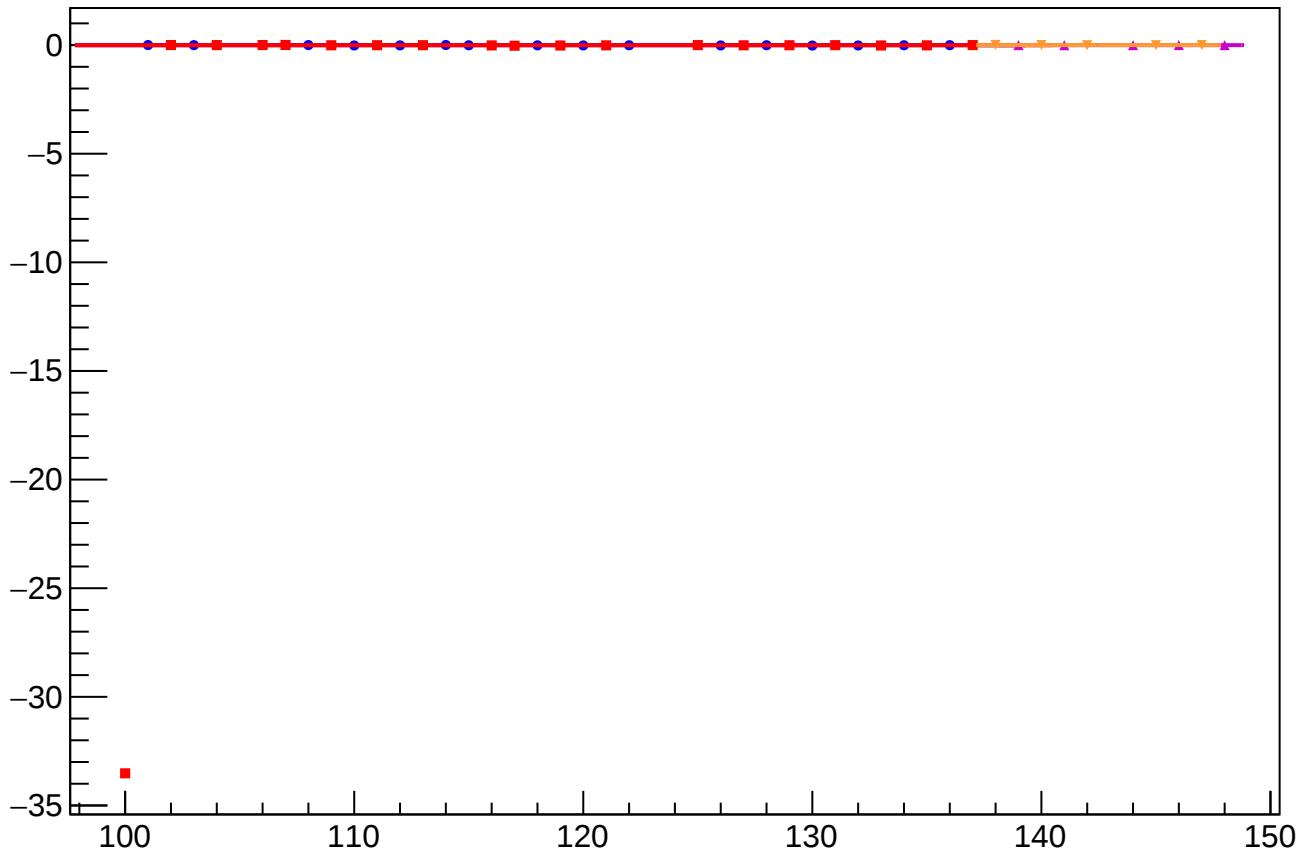
Right Out: 0.106+/-0.029 χ^2/NDF : 8.2/18

Left In: 0.084+/-0.034 χ^2/NDF : 6.0/4

0.058+/-0.022 χ^2/NDF : 24.4/20

0.097+/-0.022 χ^2/NDF : 14.4/23

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

-0.003 ± 0.001 χ^2/NDF : 33.7/20

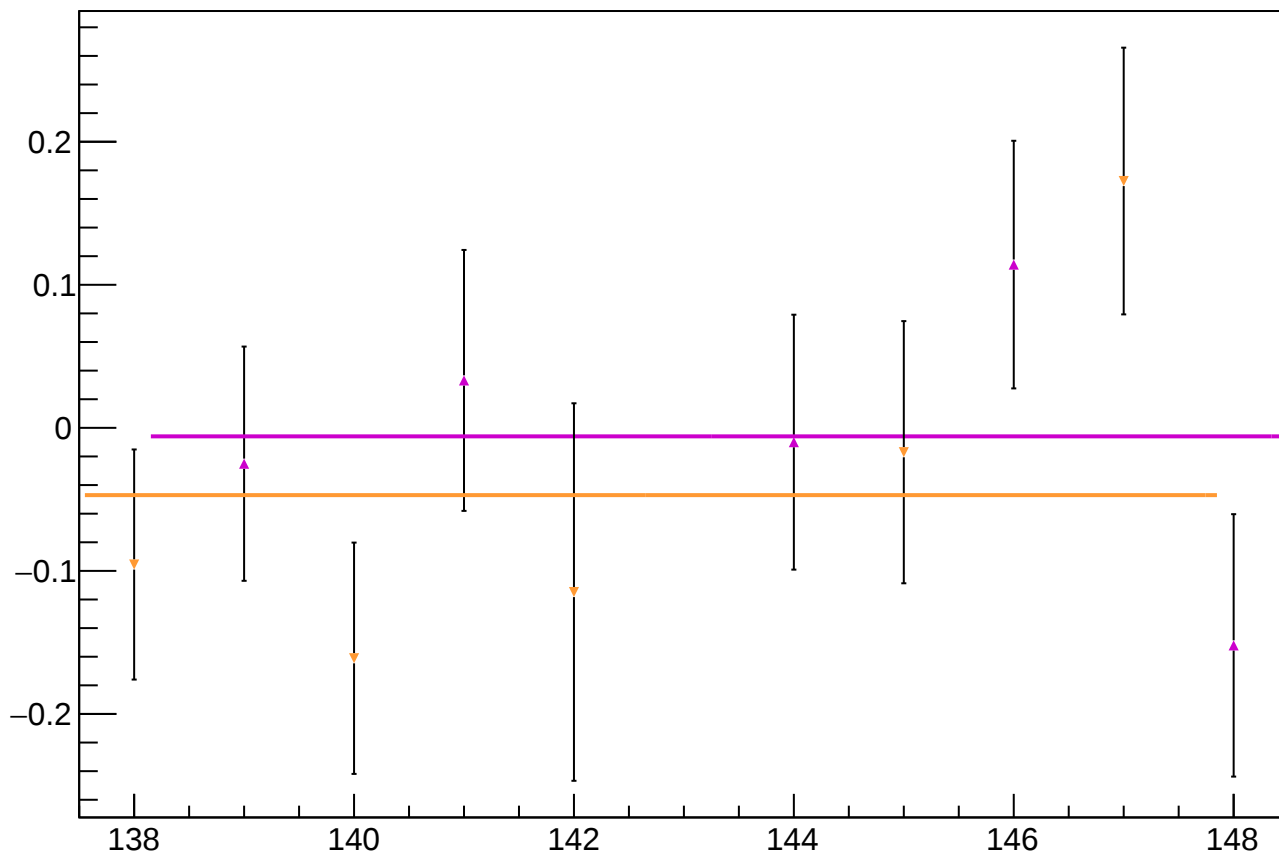
Left Out: 0.000 ± 0.002 χ^2/NDF : 6.0/4

Right Out: -0.006 ± 0.001 χ^2/NDF : 26509.5/18

-0.004 ± 0.001 χ^2/NDF : 26515.7/23

Left In: -0.002 ± 0.002 χ^2/NDF : 2.9/4

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.047+/-0.041 χ^2/NDF : 8.3/4

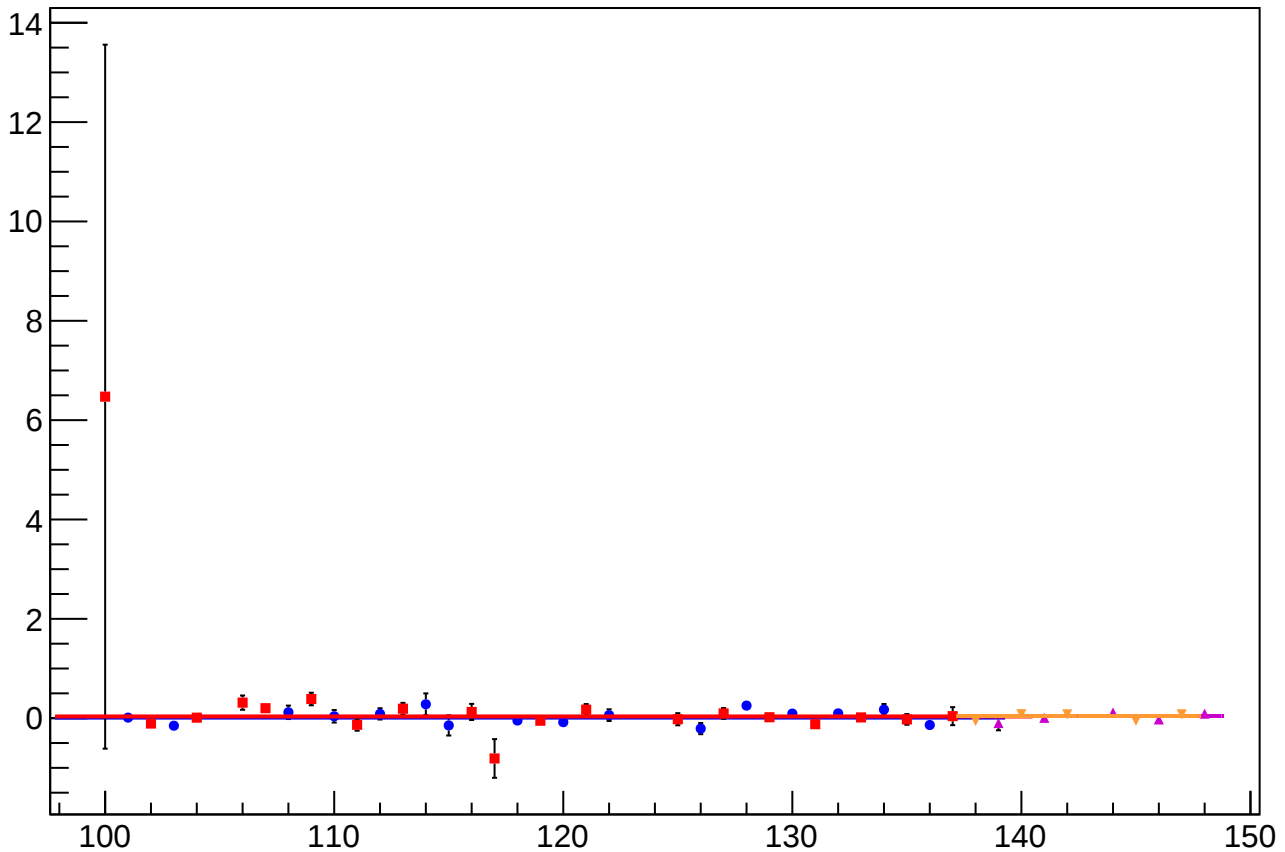
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.006+/-0.039 χ^2/NDF : 4.7/4

-0.047+/-0.041 χ^2/NDF : 8.3/4

-0.006+/-0.039 χ^2/NDF : 4.7/4

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: 0.044 $\pm$ 0.029 χ^2 /NDF: 3.9/4

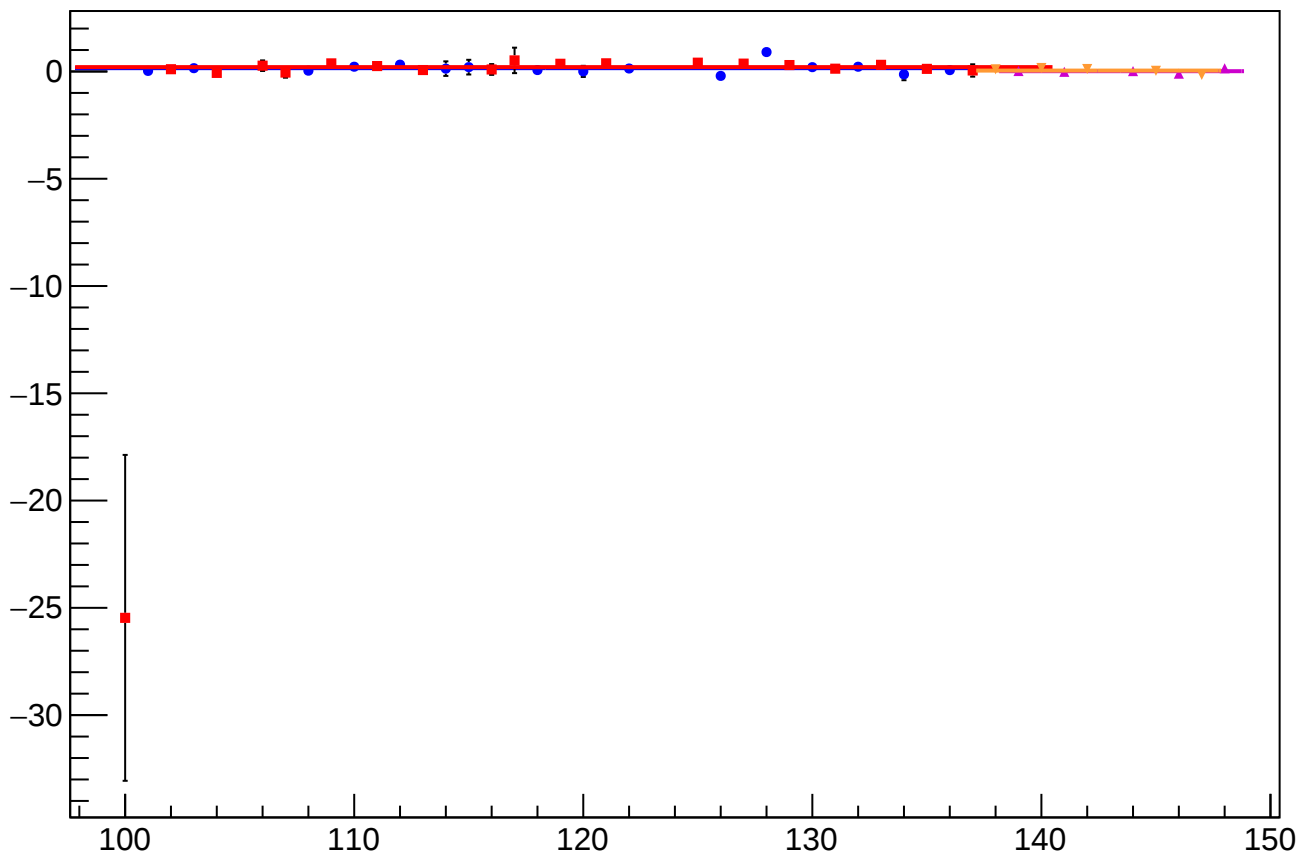
Right Out: 0.035 $\pm$ 0.025 χ^2 /NDF: 33.2/18

Left In: 0.044 $\pm$ 0.027 χ^2 /NDF: 5.4/4

0.025 $\pm$ 0.018 χ^2 /NDF: 29.6/20

0.039 $\pm$ 0.018 χ^2 /NDF: 38.7/23

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

0.097 $\pm$ 0.030 χ^2 /NDF: 39.5/20

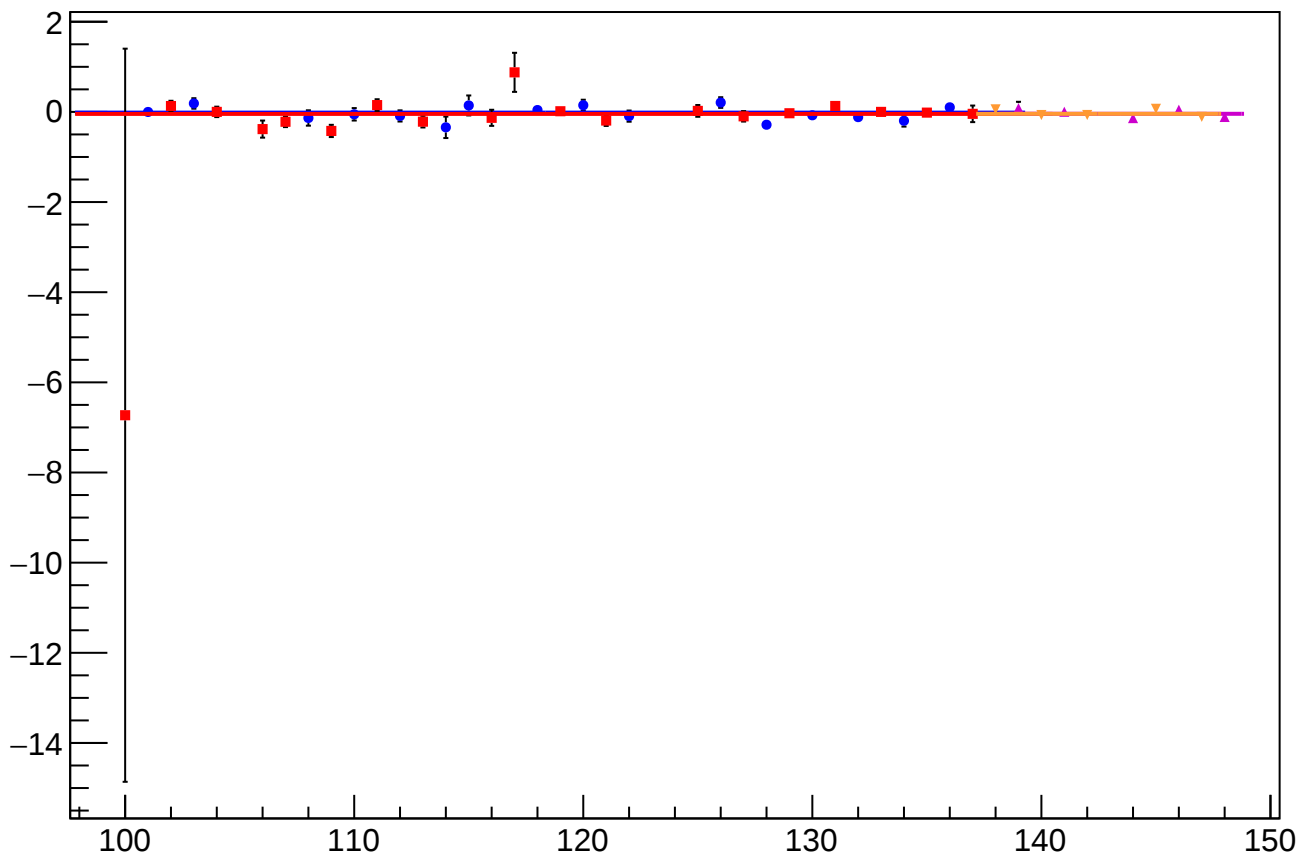
Left Out: 0.041 $\pm$ 0.042 χ^2 /NDF: 8.0/4

Right Out: 0.203 $\pm$ 0.045 χ^2 /NDF: 22.9/18

0.097 $\pm$ 0.030 χ^2 /NDF: 37.4/23

Left In: 0.013 $\pm$ 0.040 χ^2 /NDF: 4.5/4

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016+/-0.027 χ^2 /NDF: 24.3/15

Left Out: -0.043+/-0.036 χ^2 /NDF: 4.0/4

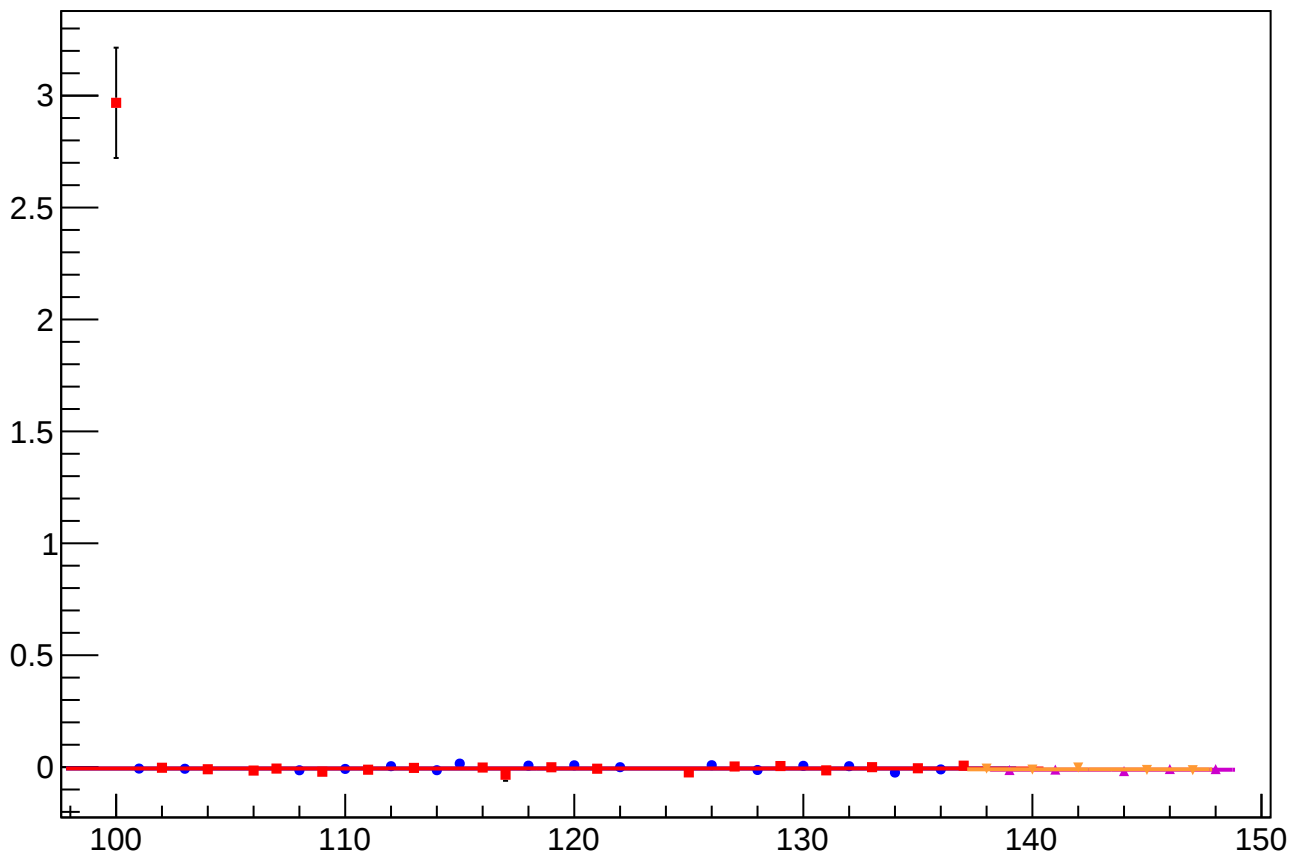
Right Out: -0.044+/-0.029 χ^2 /NDF: 30.5/18

Left In: -0.042+/-0.034 χ^2 /NDF: 5.9/4

-0.025+/-0.022 χ^2 /NDF: 28.7/20

-0.044+/-0.022 χ^2 /NDF: 36.4/23

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

-0.008 ± 0.001 χ^2/NDF : 34.3/20

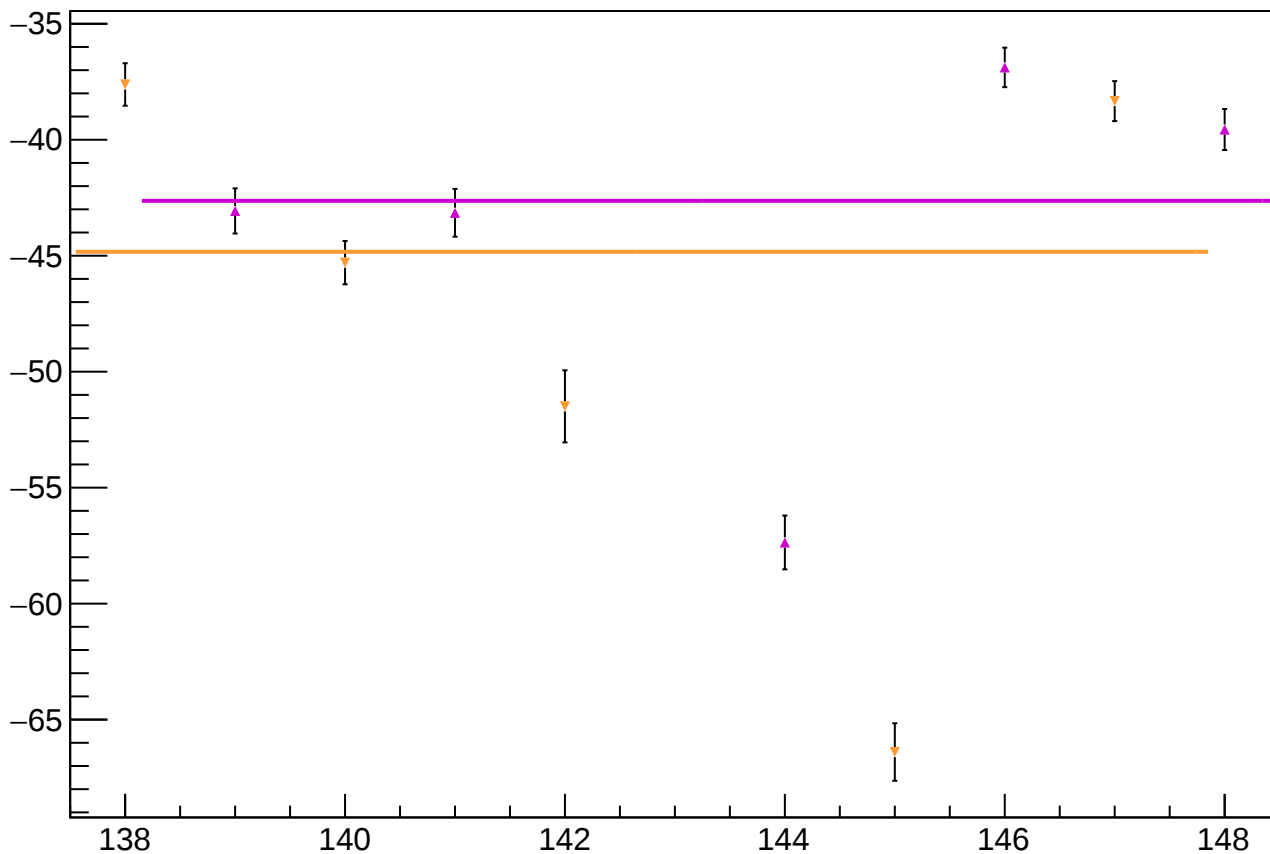
Left Out: -0.010 ± 0.002 χ^2/NDF : 4.5/4

Right Out: -0.006 ± 0.001 χ^2/NDF : 167.0/18

-0.009 ± 0.001 χ^2/NDF : 176.9/23

Left In: -0.012 ± 0.002 χ^2/NDF : 3.6/4

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -44.830+/-0.459 χ^2/NDF : 440.2/4

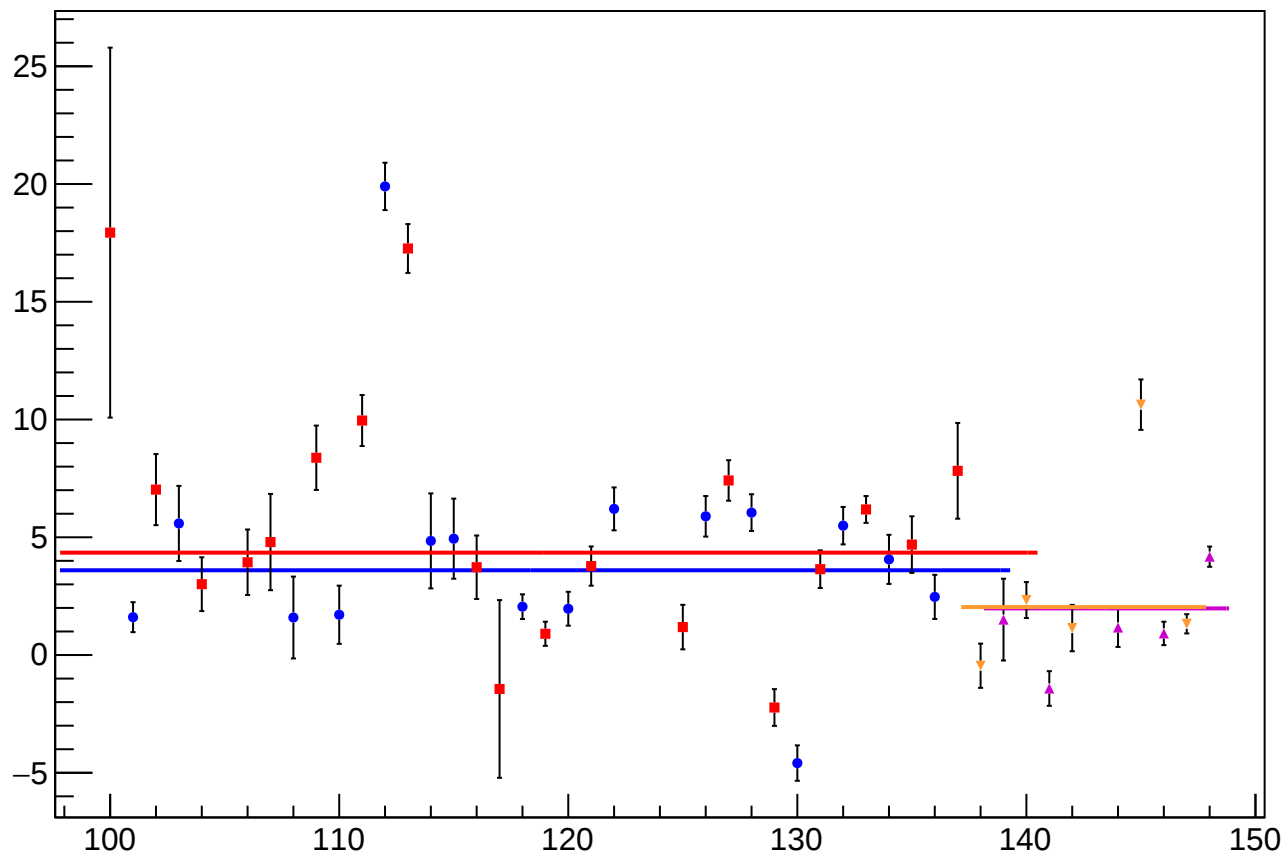
-44.830+/-0.459 χ^2/NDF : 440.2/4

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

-42.635+/-0.430 χ^2/NDF : 219.4/4

Left In: -42.635+/-0.430 χ^2/NDF : 219.4/4

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 443.4/15$

Left Out: 2.036 ± 0.305 $\chi^2/\text{NDF}: 75.4/4$

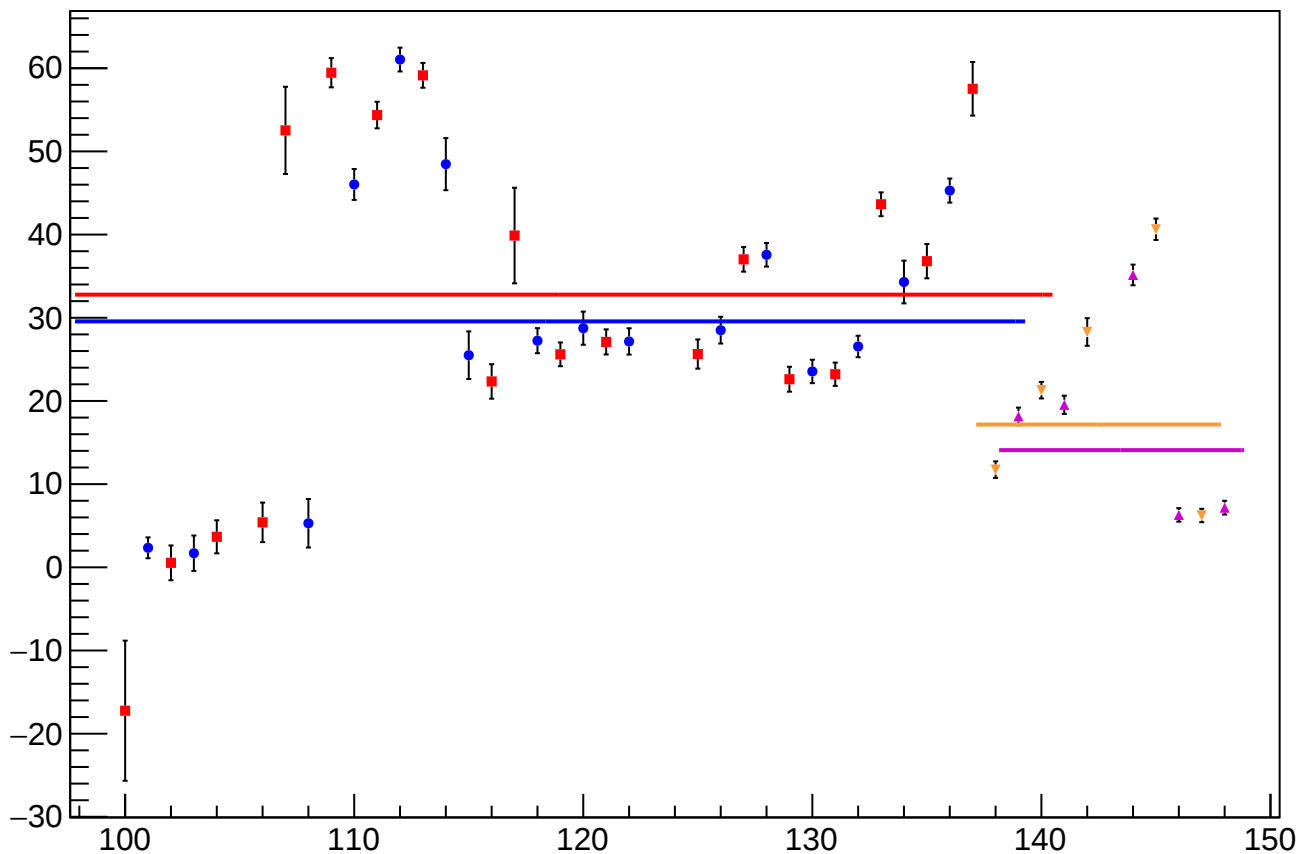
Right Out: 4.347 ± 0.224 $\chi^2/\text{NDF}: 355.4/18$

Left In: 1.979 ± 0.276 $\chi^2/\text{NDF}: 53.2/4$

3.063 ± 0.179 $\chi^2/\text{NDF}: 536.0/20$

3.404 ± 0.174 $\chi^2/\text{NDF}: 453.0/23$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 ± 0.420 χ^2/NDF : 1494.6/15

Left Out: 17.168 ± 0.469 χ^2/NDF : 609.6/4

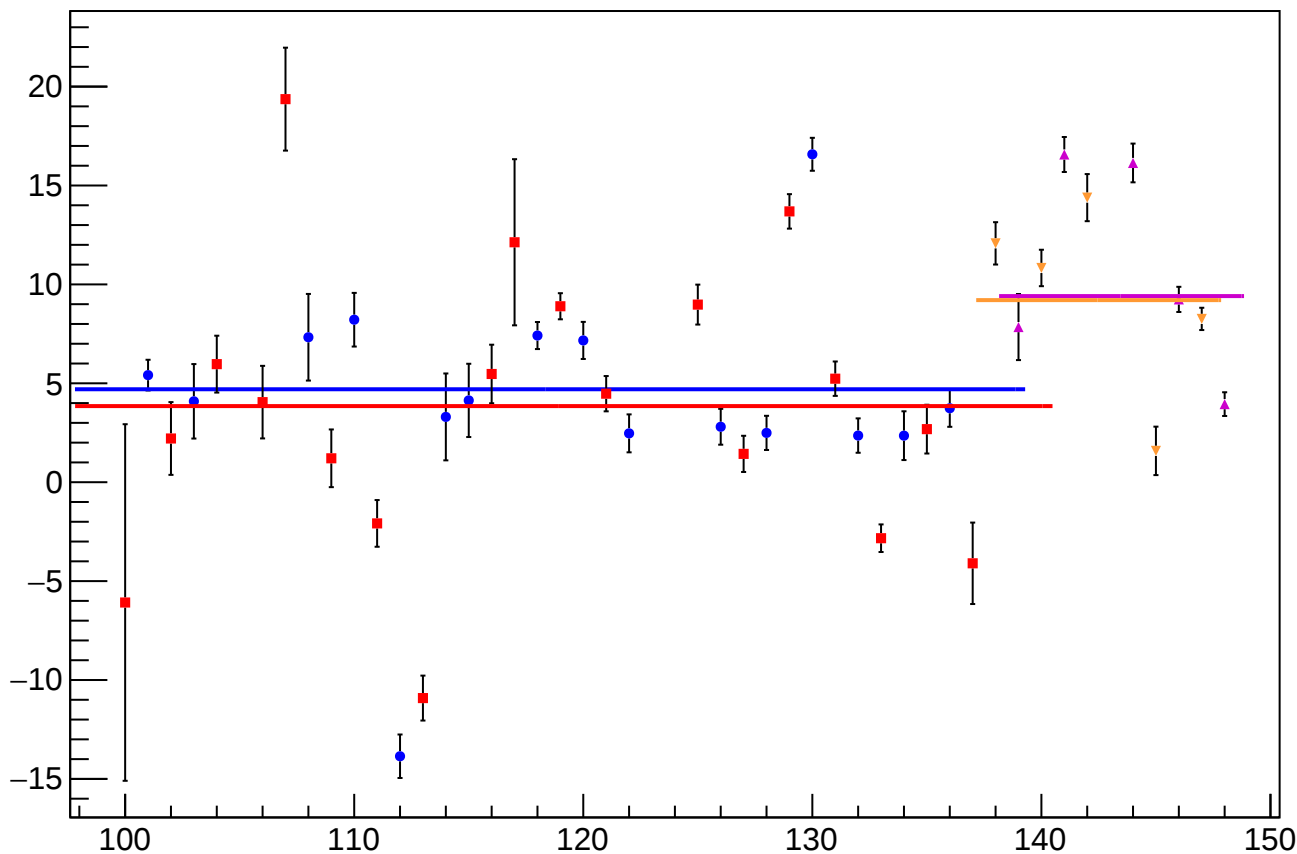
Right Out: 32.780 ± 0.422 χ^2/NDF : 1664.8/18

Left In: 14.089 ± 0.433 χ^2/NDF : 488.9/4

24.060 ± 0.313 χ^2/NDF : 2491.8/20

23.673 ± 0.302 χ^2/NDF : 3111.3/23

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.205 ± 0.390 χ^2/NDF : 70.8/4

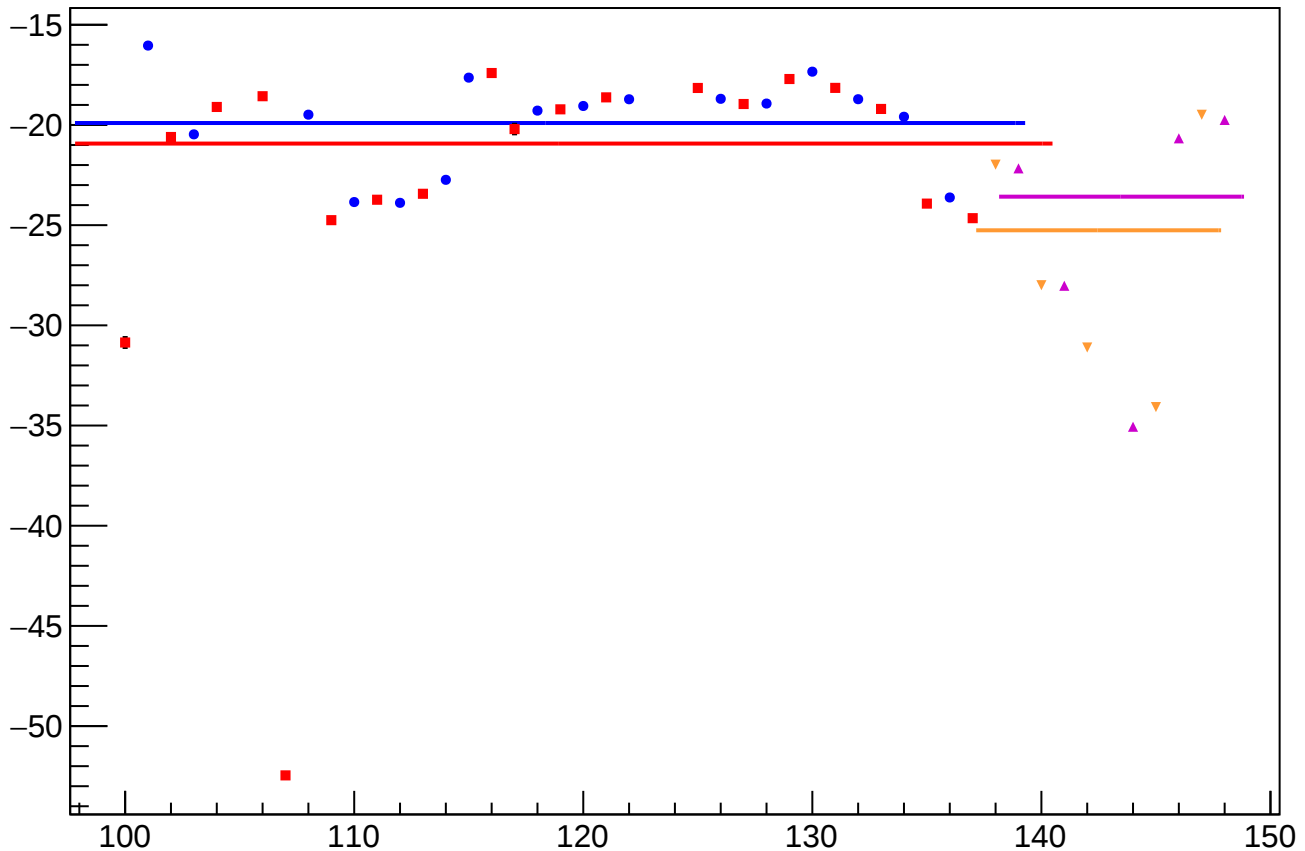
Right Out: 3.848 ± 0.258 χ^2/NDF : 571.5/18

Left In: 9.409 ± 0.355 χ^2/NDF : 196.6/4

6.042 ± 0.213 χ^2/NDF : 713.5/20

5.769 ± 0.209 χ^2/NDF : 928.7/23

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902+/-0.016 χ^2/NDF : 26054.0/15

Left Out: -25.256+/-0.020 χ^2/NDF : 71898.2/4

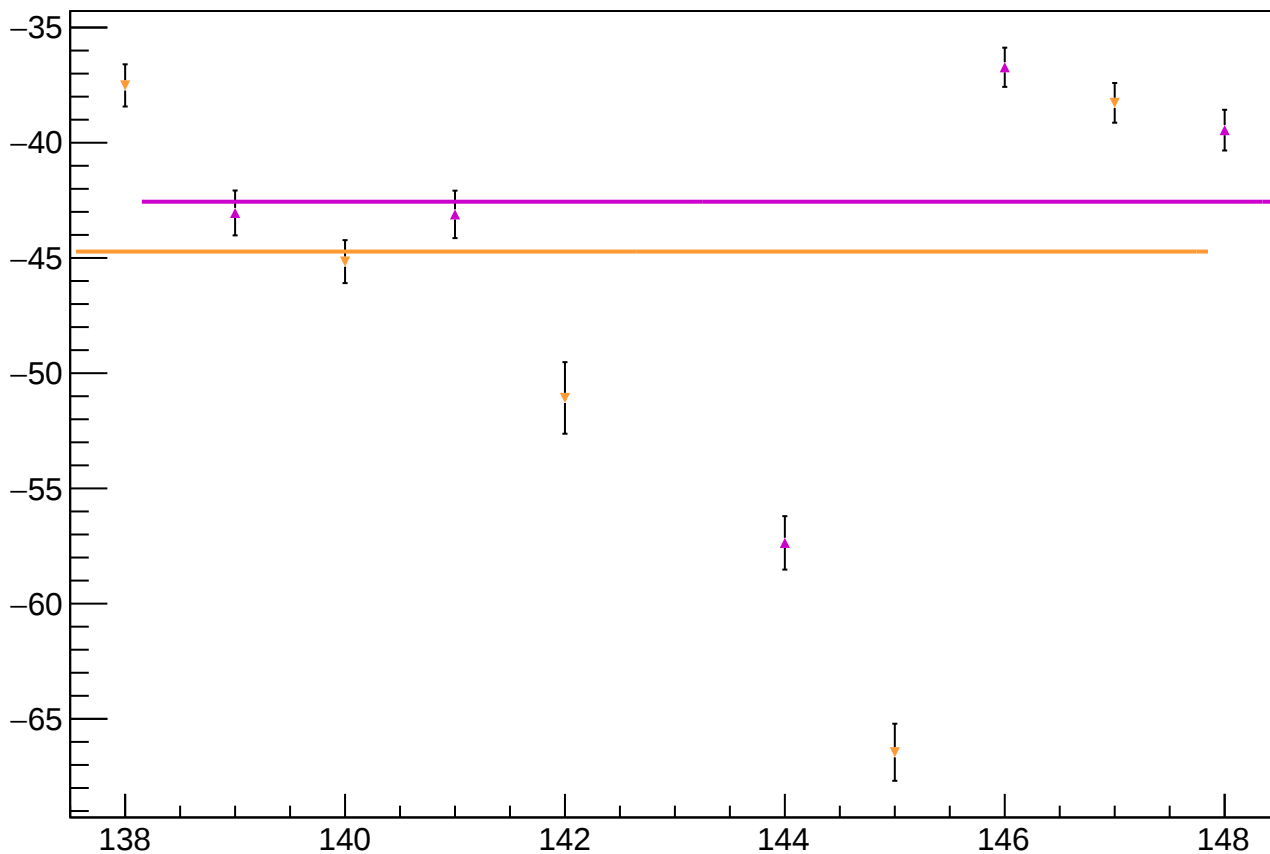
Right Out: -20.928+/-0.016 χ^2/NDF : 94015.9/18

Left In: -23.578+/-0.018 χ^2/NDF : 73658.7/4

-21.932+/-0.012 χ^2/NDF : 142336.9/20

-22.072+/-0.012 χ^2/NDF : 179981.3/23

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -44.721+/-0.458 χ^2/NDF : 442.7/4

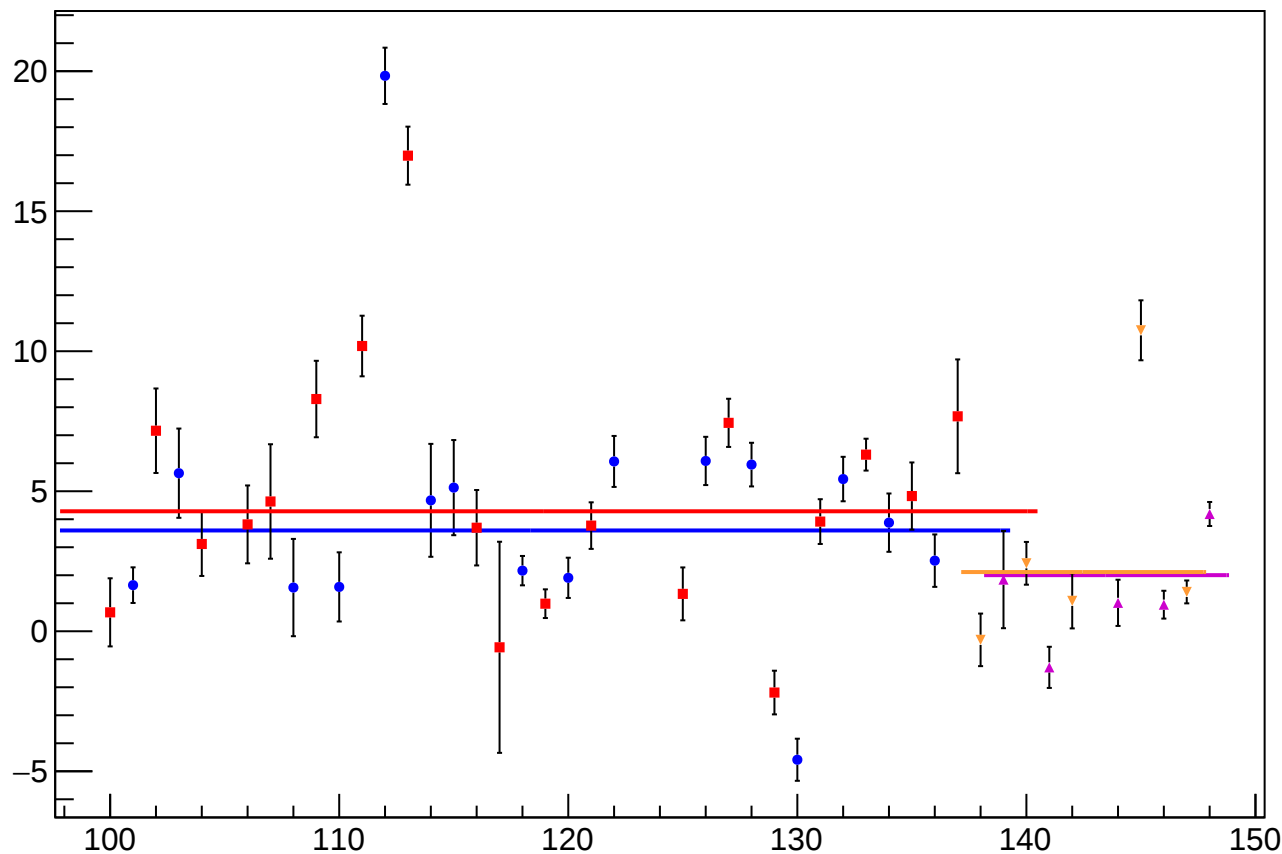
-44.721+/-0.458 χ^2/NDF : 442.7/4

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

Left In: -42.558+/-0.430 χ^2/NDF : 222.9/4

-42.558+/-0.430 χ^2/NDF : 222.9/4

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 2.114 ± 0.305 χ^2/NDF : 76.0/4

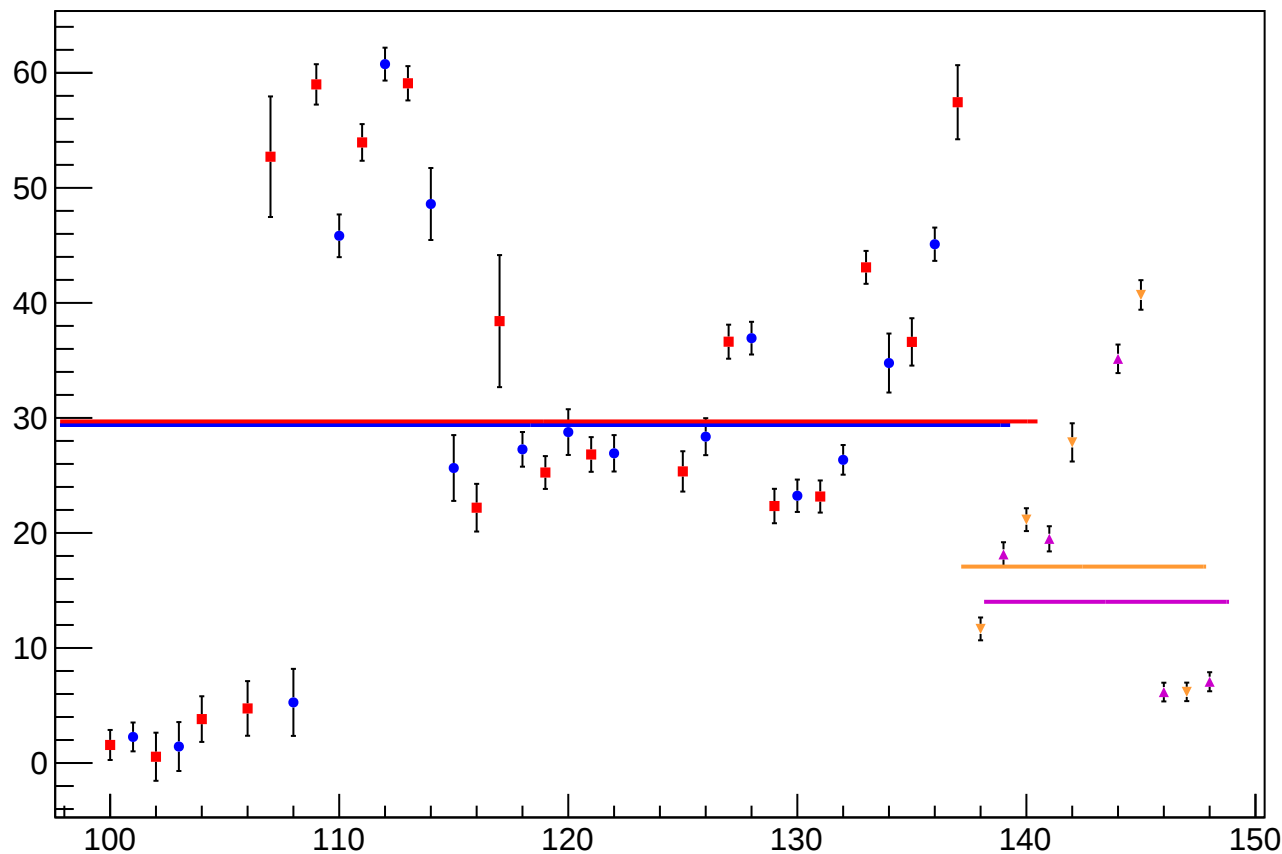
Right Out: 4.284 ± 0.221 χ^2/NDF : 353.8/18

Left In: 2.004 ± 0.276 χ^2/NDF : 52.0/4

3.091 ± 0.179 χ^2/NDF : 531.8/20

3.394 ± 0.172 χ^2/NDF : 447.5/23

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 ± 0.419 $\chi^2/\text{NDF}: 1488.6/15$

Left Out: 17.075 ± 0.469 $\chi^2/\text{NDF}: 609.9/4$

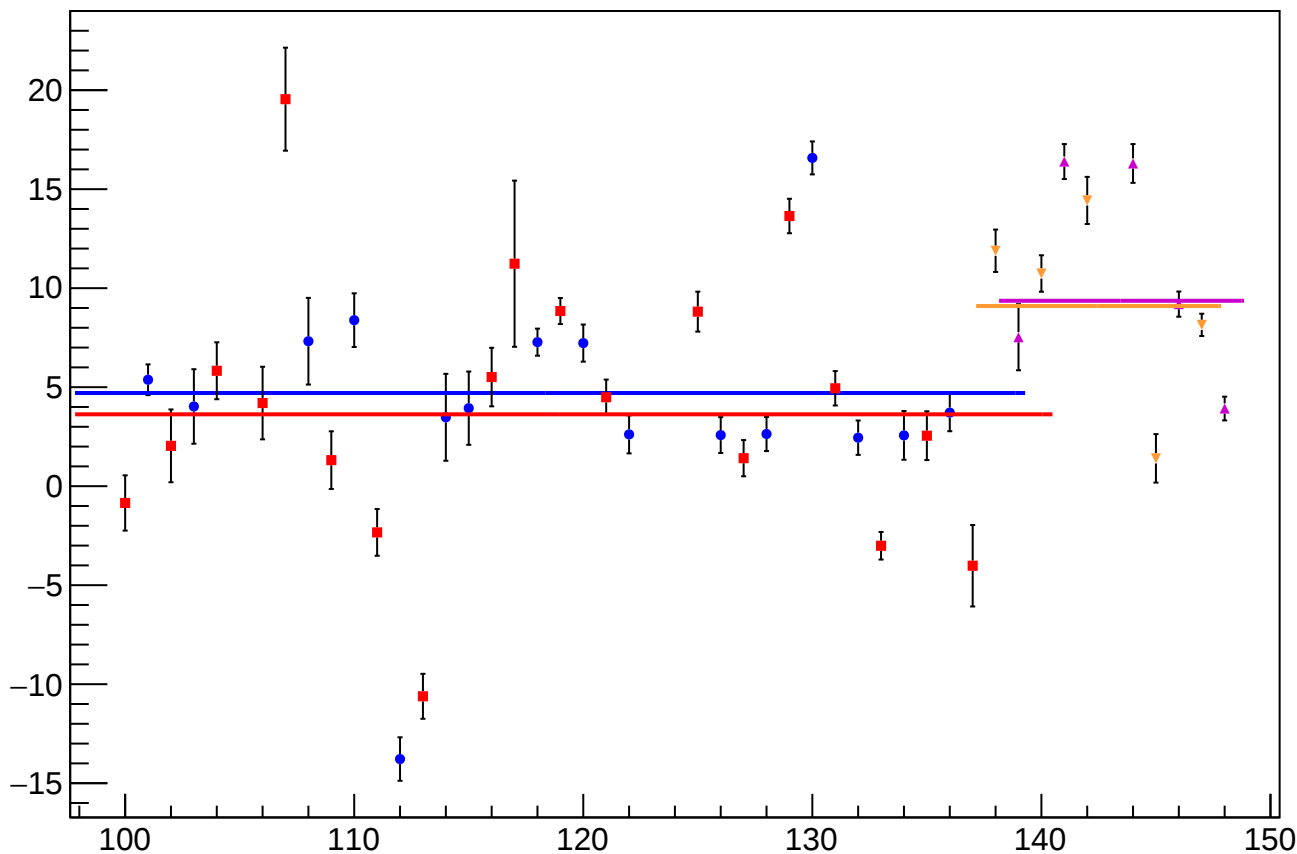
Right Out: 29.695 ± 0.401 $\chi^2/\text{NDF}: 2133.3/18$

Left In: 14.014 ± 0.432 $\chi^2/\text{NDF}: 494.0/4$

23.921 ± 0.313 $\chi^2/\text{NDF}: 2481.4/20$

22.435 ± 0.294 $\chi^2/\text{NDF}: 3334.0/23$

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.098 ± 0.390 $\chi^2/\text{NDF}: 72.4/4$

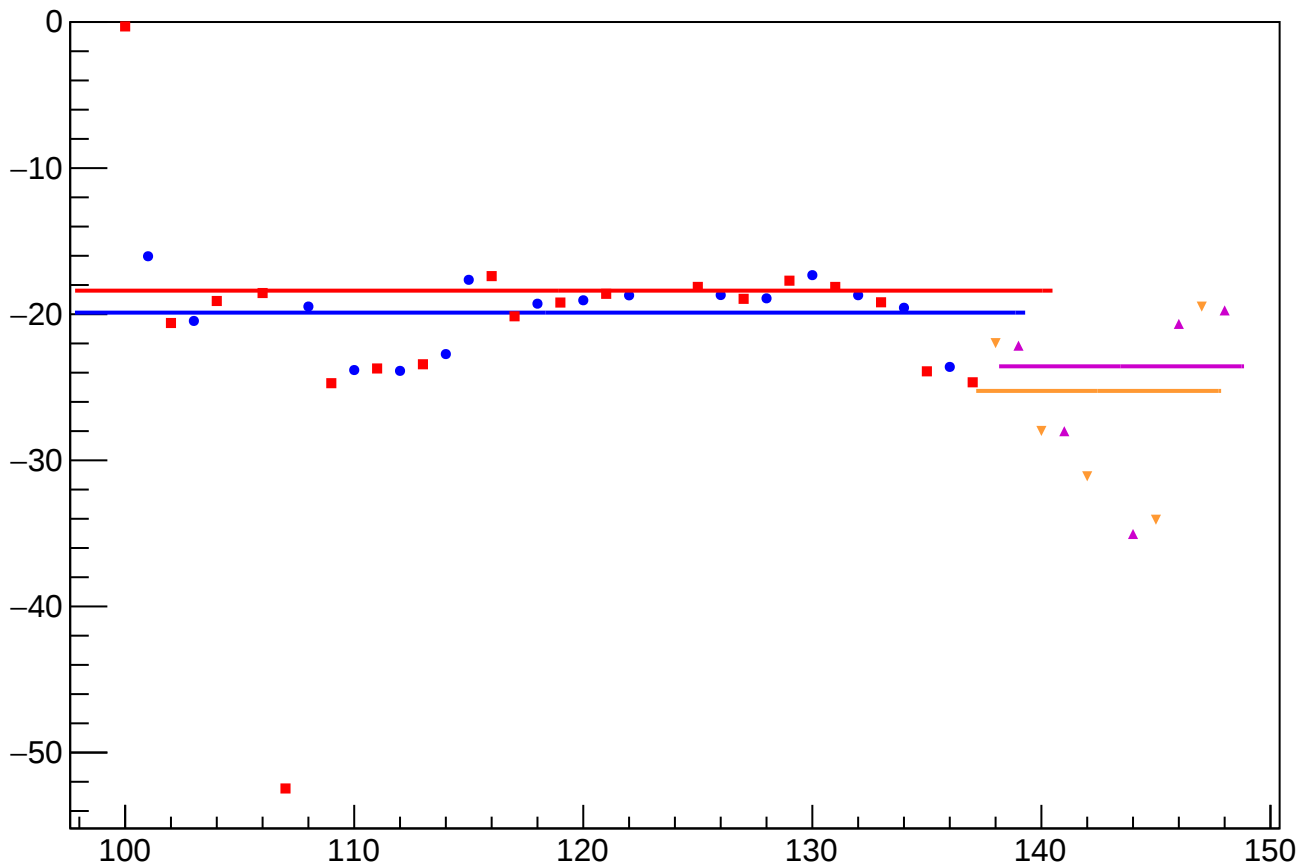
Right Out: 3.629 ± 0.254 $\chi^2/\text{NDF}: 576.7/18$

Left In: 9.364 ± 0.355 $\chi^2/\text{NDF}: 197.2/4$

6.015 ± 0.213 $\chi^2/\text{NDF}: 706.8/20$

5.567 ± 0.206 $\chi^2/\text{NDF}: 946.8/23$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -25.248 ± 0.020 $\chi^2/\text{NDF}: 71929.2/4$

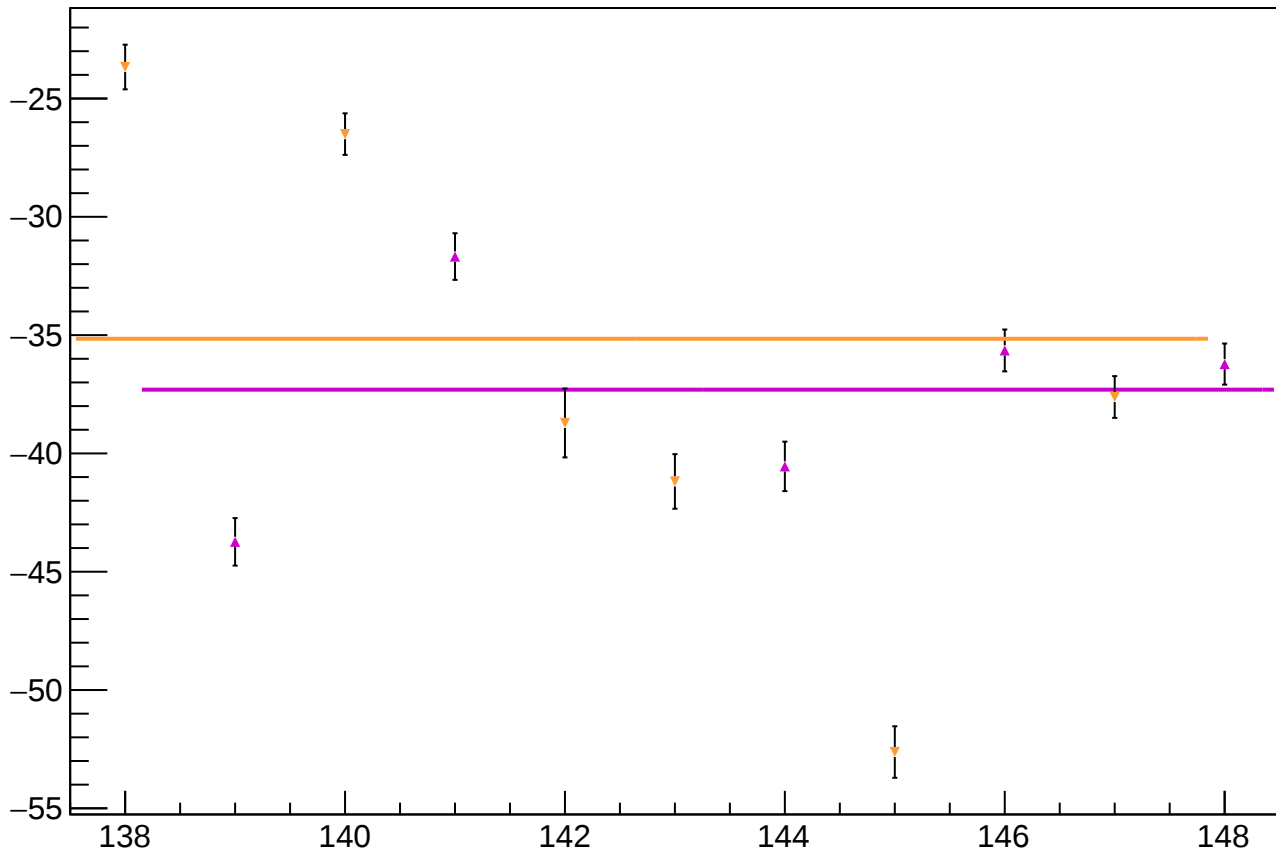
Right Out: -18.386 ± 0.015 $\chi^2/\text{NDF}: 301044.3/18$

Left In: -23.566 ± 0.018 $\chi^2/\text{NDF}: 73615.8/4$

-21.921 ± 0.012 $\chi^2/\text{NDF}: 142468.0/20$

-20.463 ± 0.011 $\chi^2/\text{NDF}: 424284.7/23$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -35.153+/-0.416 χ^2/NDF : 543.1/5

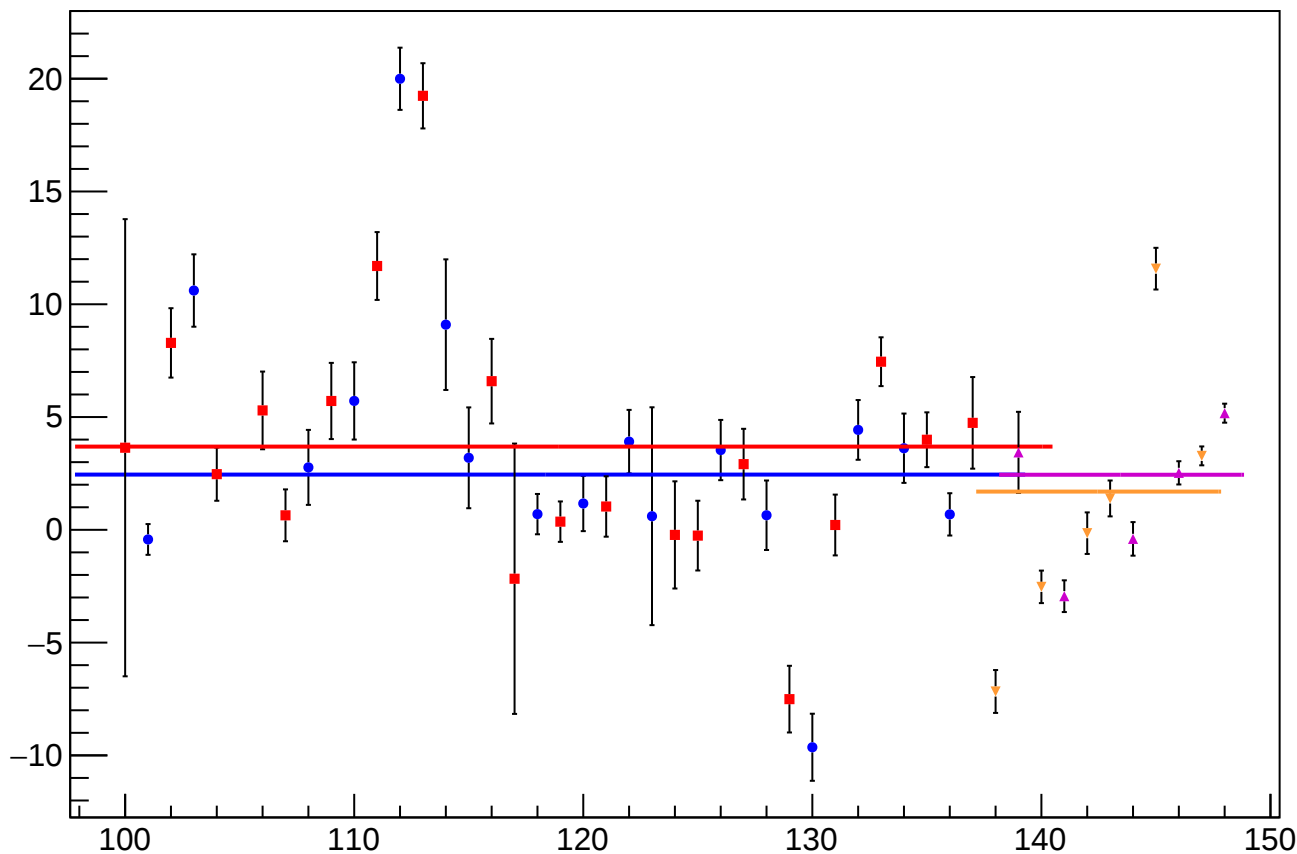
-35.153+/-0.416 χ^2/NDF : 543.1/5

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

-37.305+/-0.425 χ^2/NDF : 88.3/4

Left In: -37.305+/-0.425 χ^2/NDF : 88.3/4

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 $\pm$ 0.314 χ^2 /NDF: 295.3/16

Left Out: 1.695 $\pm$ 0.281 χ^2 /NDF: 254.1/5

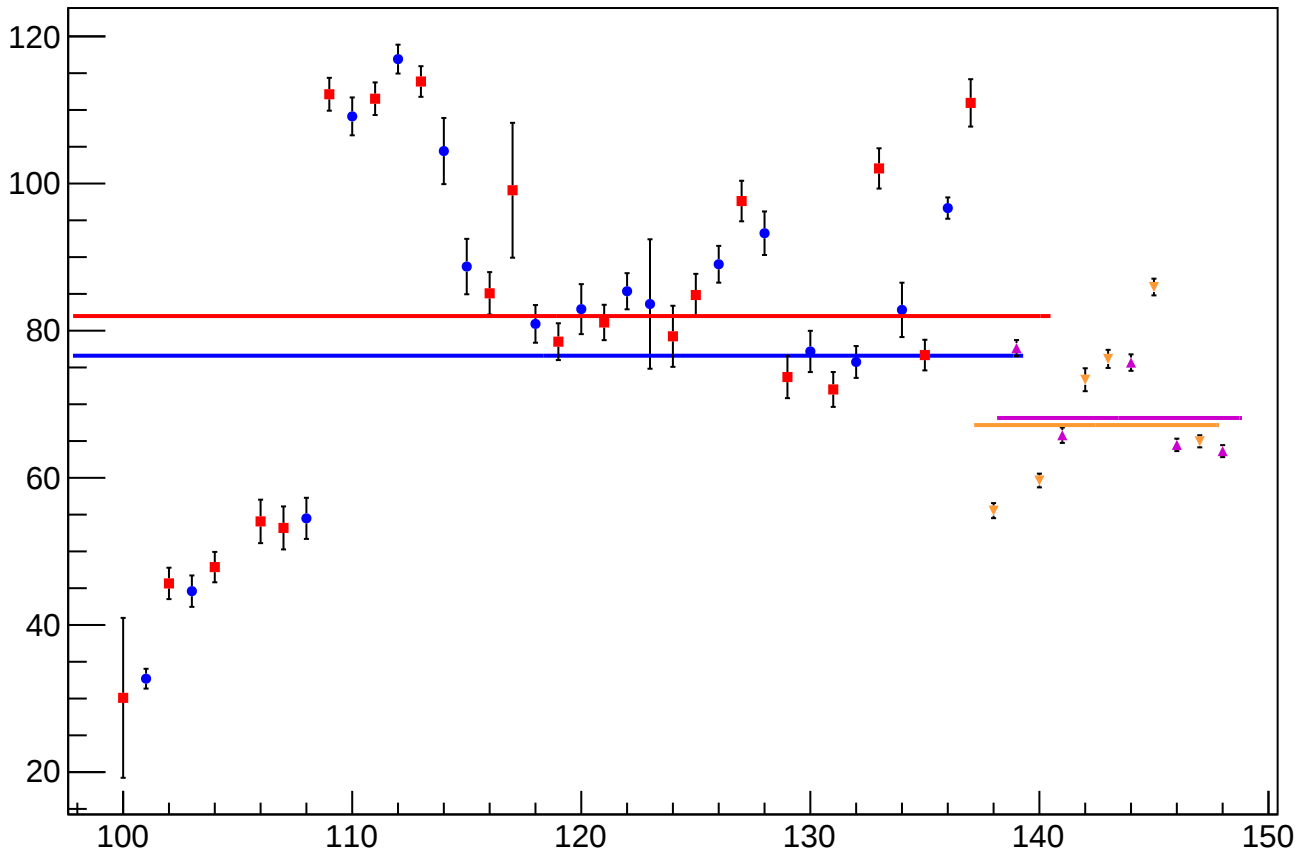
Right Out: 3.690 $\pm$ 0.326 χ^2 /NDF: 270.4/19

Left In: 2.442 $\pm$ 0.272 χ^2 /NDF: 115.5/4

2.030 $\pm$ 0.209 χ^2 /NDF: 552.6/22

2.954 $\pm$ 0.209 χ^2 /NDF: 394.5/24

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 67.173 $\pm$ 0.430 χ^2 /NDF:542.2/5

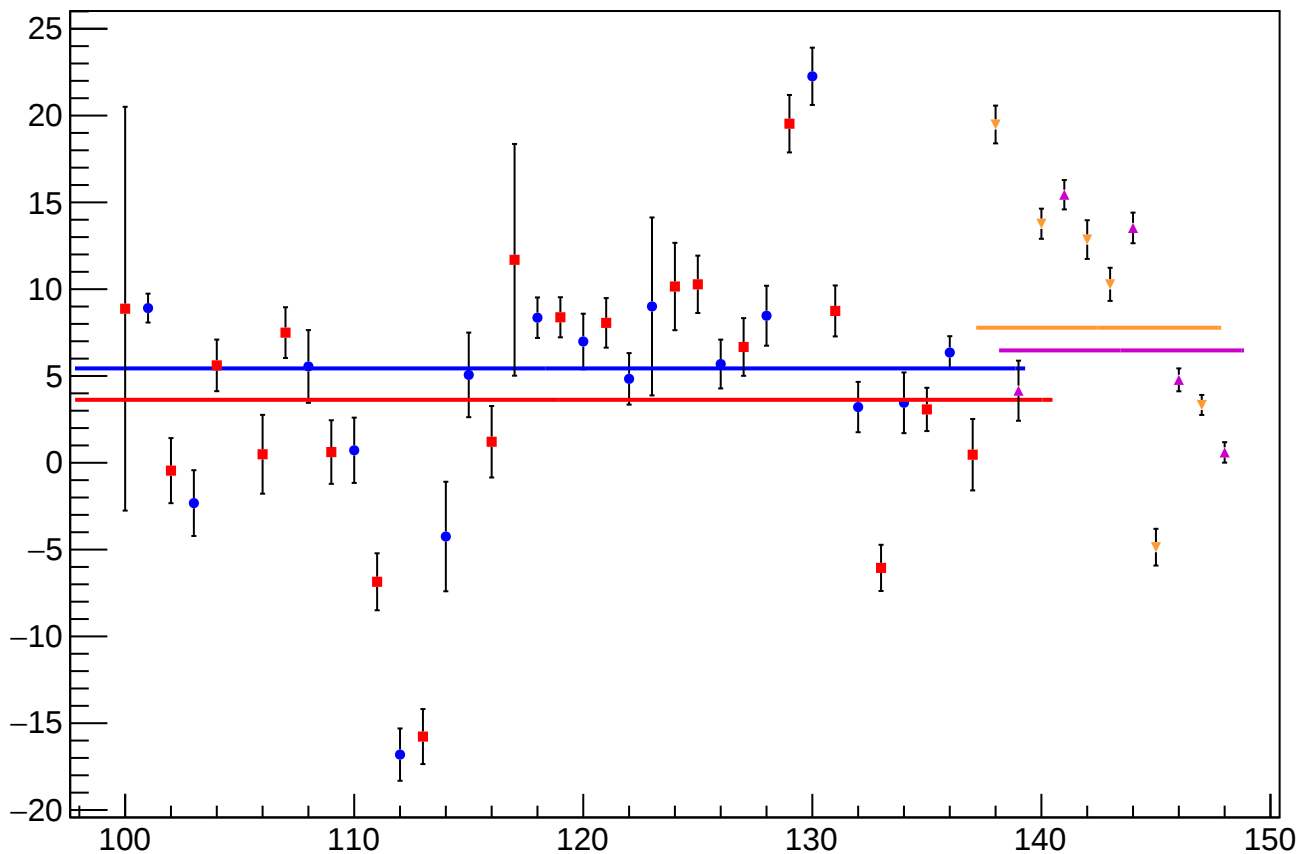
Right Out: 81.987 $\pm$ 0.591 χ^2 /NDF: 1574.2/19

Left In: 68.136 $\pm$ 0.428 χ^2 /NDF:176.0/4

70.544 $\pm$ 0.344 χ^2 /NDF: 2969.3/22

72.901 $\pm$ 0.347 χ^2 /NDF: 2110.8/24

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436+/-0.360 χ^2/NDF : 387.2/16

Left Out: 7.781+/-0.354 χ^2/NDF : 392.9/5

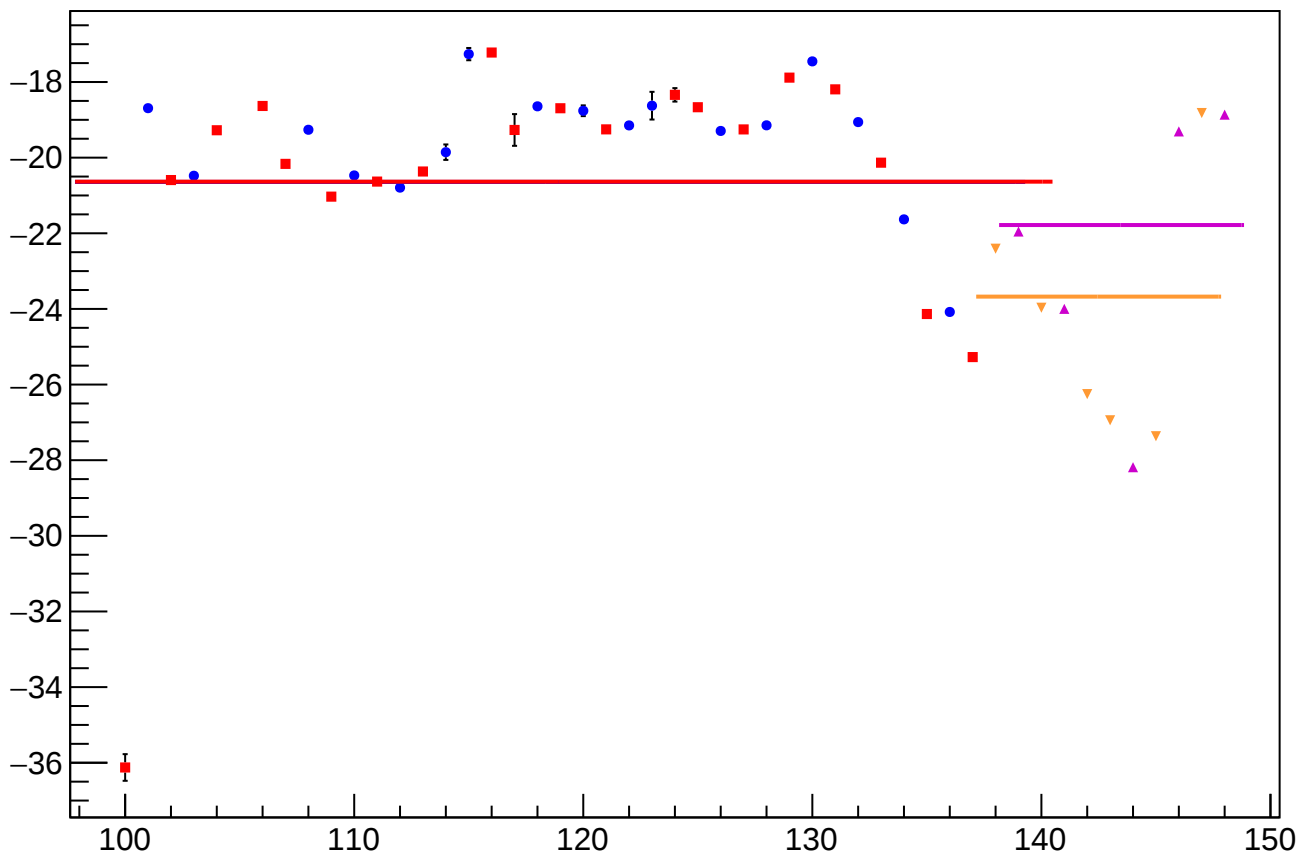
Right Out: 3.628+/-0.374 χ^2/NDF : 424.8/19

Left In: 6.473+/-0.349 χ^2/NDF : 284.1/4

6.629+/-0.253 χ^2/NDF : 801.6/22

5.149+/-0.255 χ^2/NDF : 739.8/24

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -23.675 ± 0.018 $\chi^2/\text{NDF}: 29506.7/5$

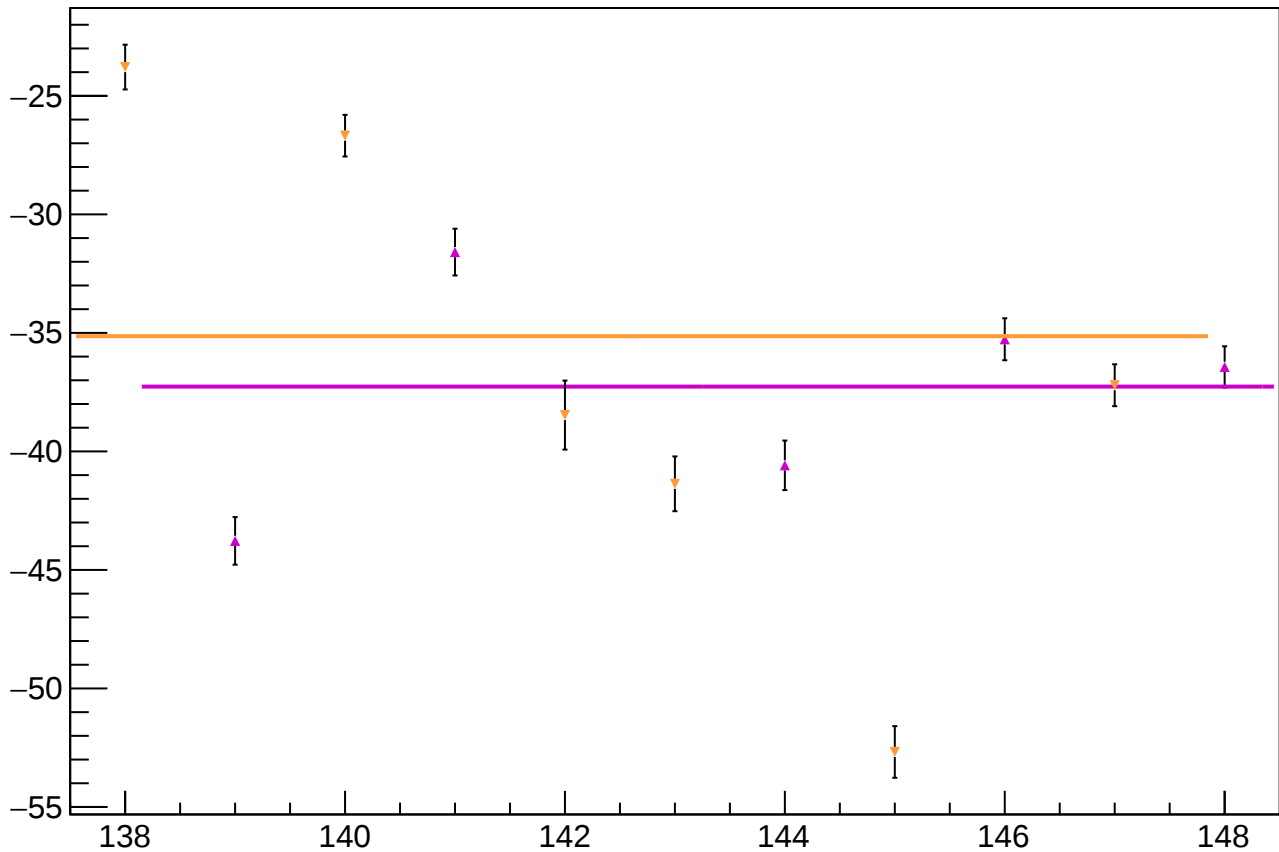
Right Out: -20.635 ± 0.019 $\chi^2/\text{NDF}: 13794.0/19$

Left In: -21.782 ± 0.018 $\chi^2/\text{NDF}: 30961.7/4$

-22.254 ± 0.013 $\chi^2/\text{NDF}: 55013.2/22$

-21.257 ± 0.013 $\chi^2/\text{NDF}: 46645.3/24$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -35.138+/-0.417 χ^2/NDF : 535.9/5

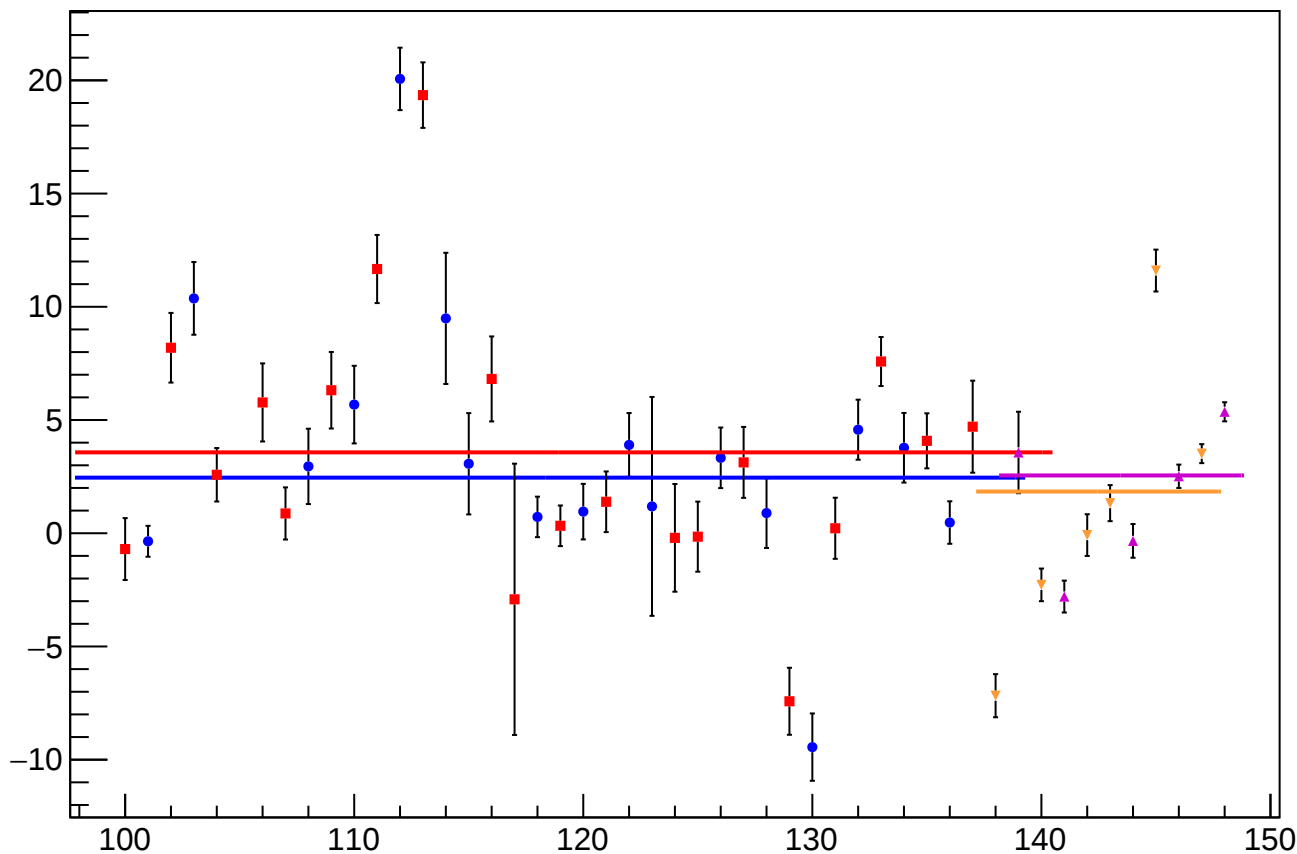
-35.138+/-0.417 χ^2/NDF : 535.9/5

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

-37.265+/-0.425 χ^2/NDF : 91.2/4

Left In: -37.265+/-0.425 χ^2/NDF : 91.2/4

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 $\chi^2/\text{NDF}: 293.5/16$

Left Out: 1.841 ± 0.281 $\chi^2/\text{NDF}: 254.6/5$

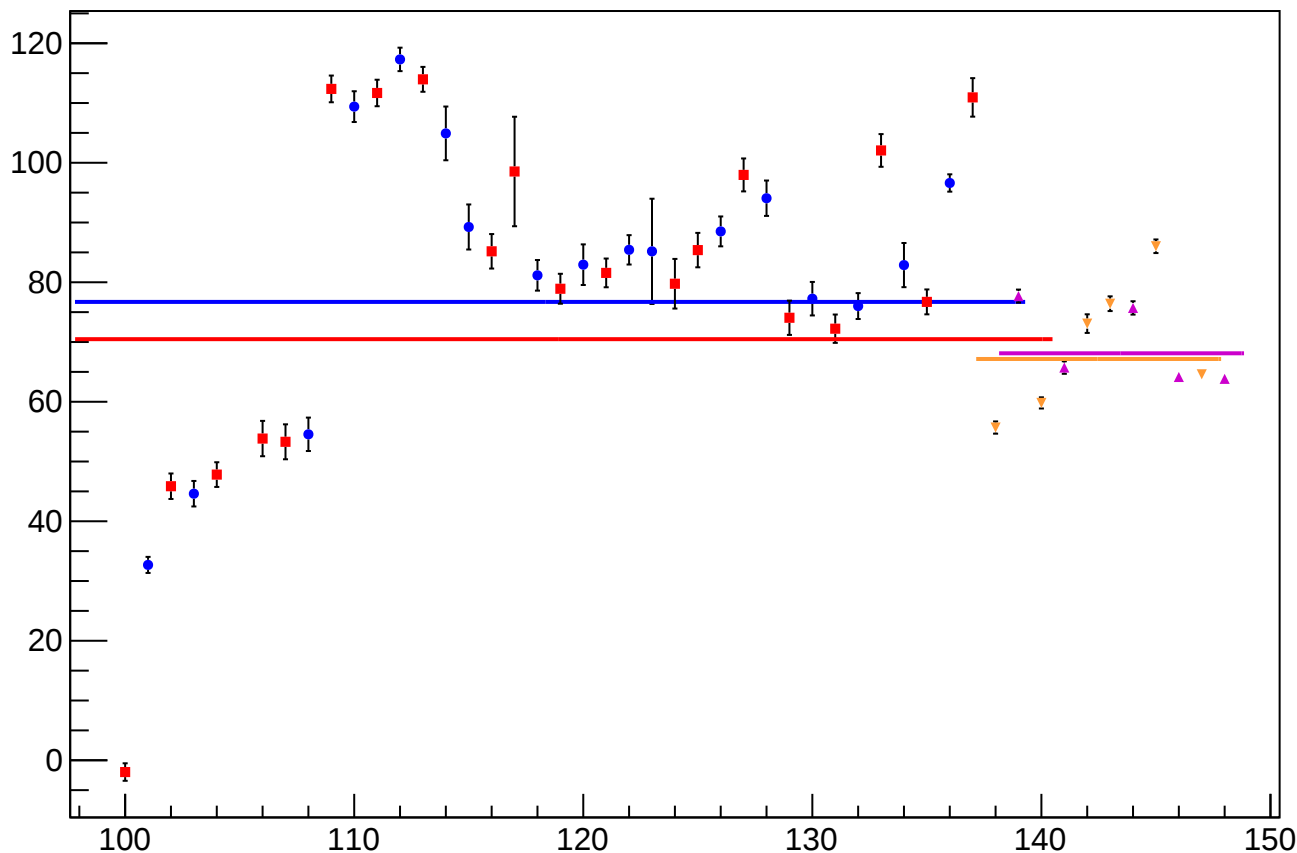
Right Out: 3.571 ± 0.317 $\chi^2/\text{NDF}: 281.0/19$

Left In: 2.552 ± 0.272 $\chi^2/\text{NDF}: 117.7/4$

2.114 ± 0.210 $\chi^2/\text{NDF}: 550.2/22$

2.984 ± 0.206 $\chi^2/\text{NDF}: 404.6/24$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 67.161+/-0.430 χ^2/NDF : 542.4/5

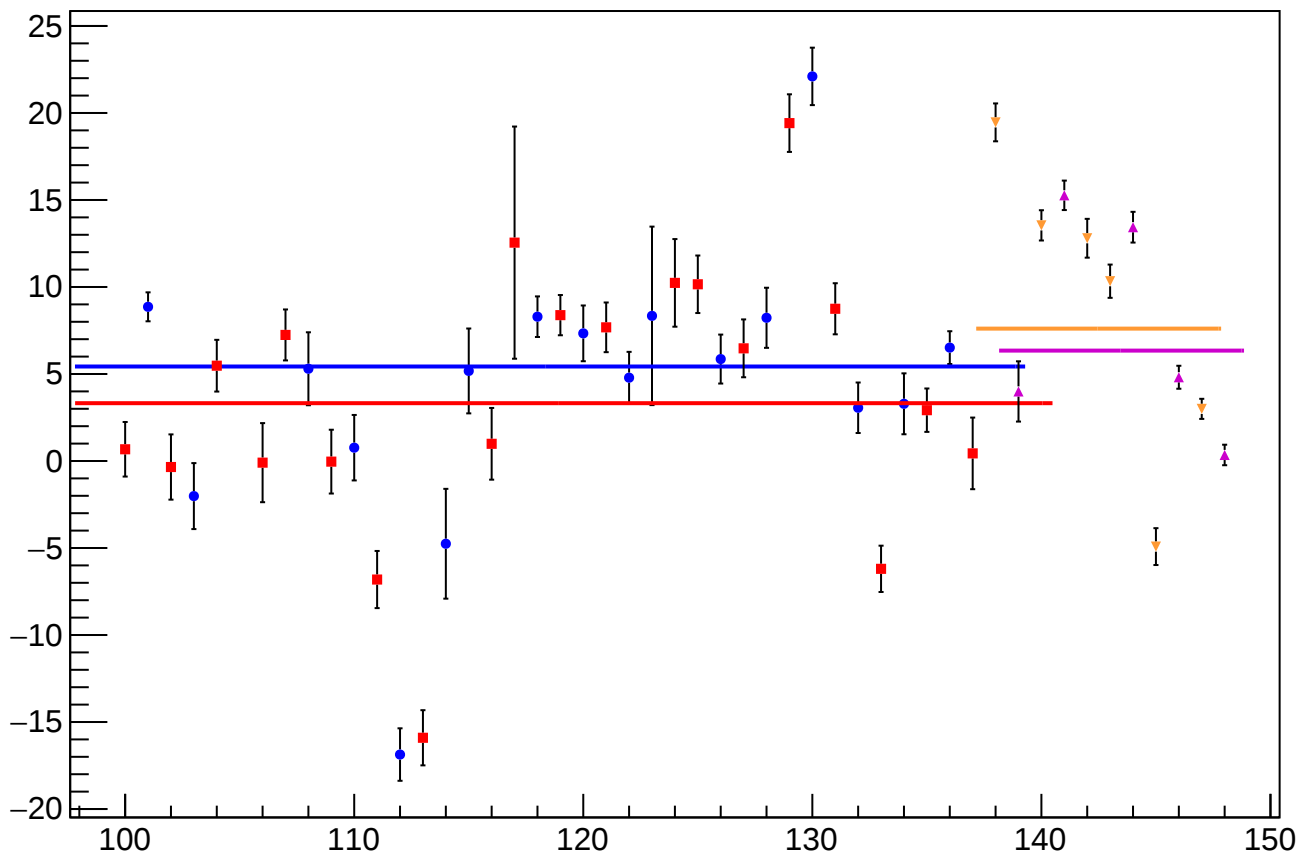
Right Out: 70.477+/-0.549 χ^2/NDF : 4400.1/19

Left In: 68.112+/-0.428 χ^2/NDF : 178.1/4

70.577+/-0.345 χ^2/NDF : 2985.5/22

69.007+/-0.338 χ^2/NDF : 4589.7/24

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 7.608 ± 0.354 $\chi^2/\text{NDF}: 398.6/5$

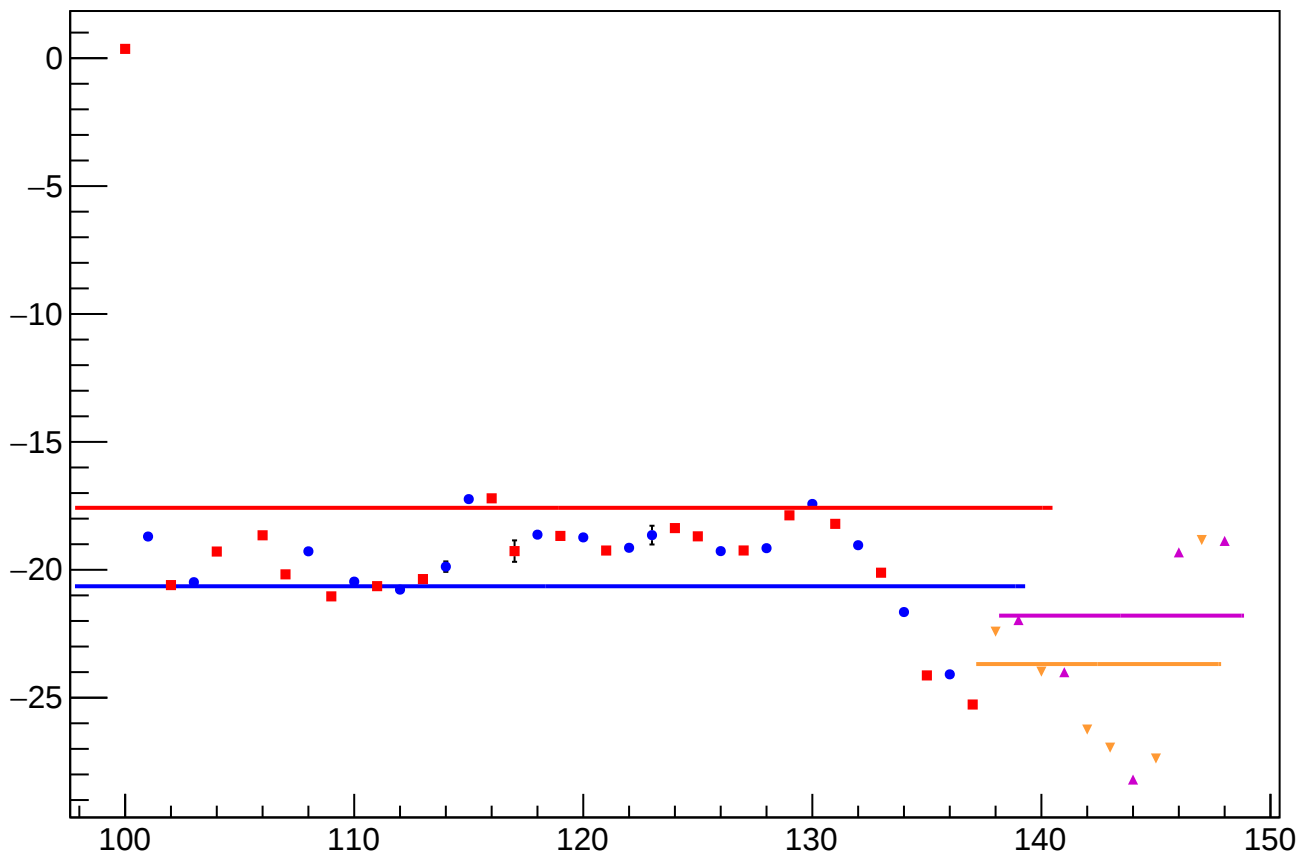
Right Out: 3.323 ± 0.365 $\chi^2/\text{NDF}: 428.0/19$

Left In: 6.344 ± 0.350 $\chi^2/\text{NDF}: 286.3/4$

6.538 ± 0.253 $\chi^2/\text{NDF}: 803.0/22$

4.897 ± 0.252 $\chi^2/\text{NDF}: 750.1/24$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -23.684 ± 0.018 $\chi^2/\text{NDF}: 29412.2/5$

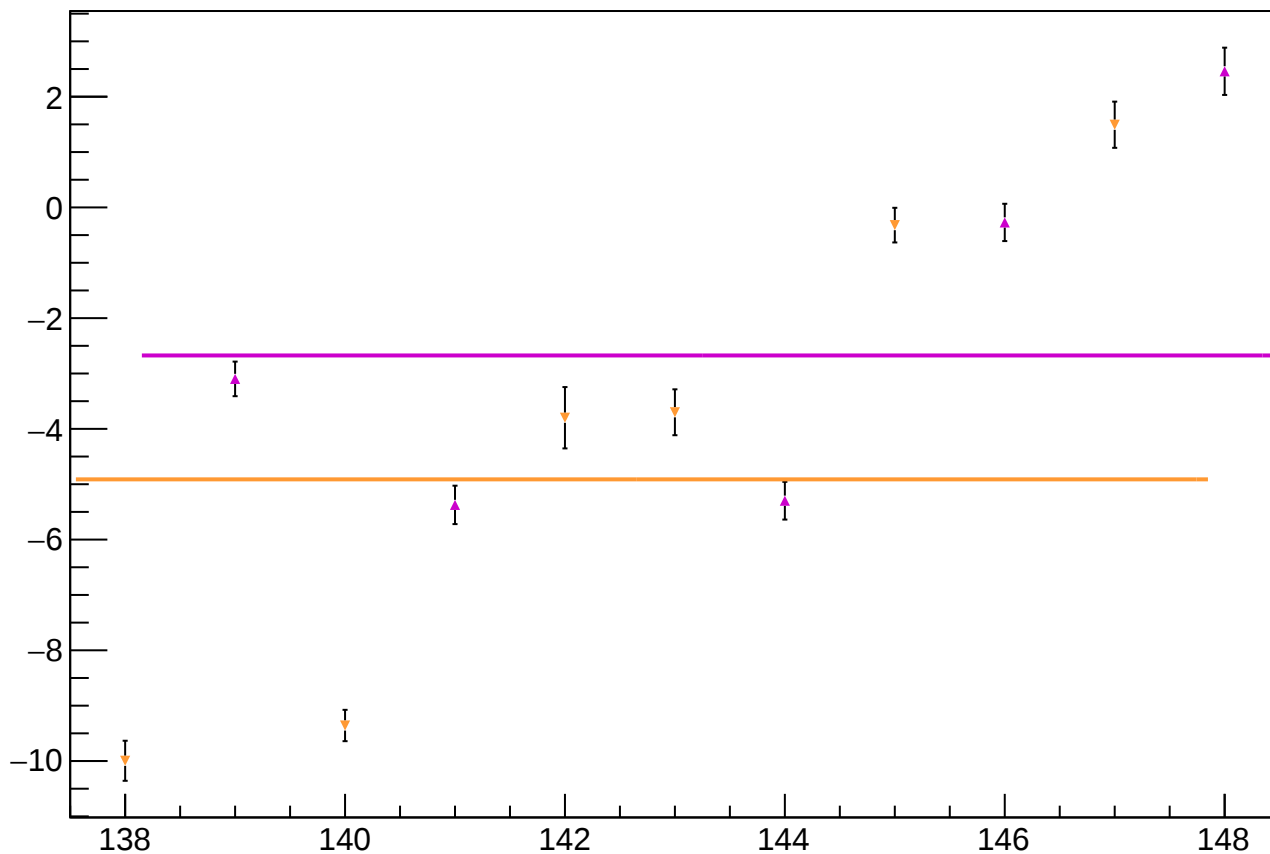
Right Out: -17.577 ± 0.018 $\chi^2/\text{NDF}: 178343.3/19$

Left In: -21.791 ± 0.018 $\chi^2/\text{NDF}: 30936.1/4$

-22.260 ± 0.013 $\chi^2/\text{NDF}: 55012.8/22$

-19.704 ± 0.013 $\chi^2/\text{NDF}: 236883.8/24$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



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

Left Out: -4.912+/-0.149 χ^2/NDF : 908.1/5

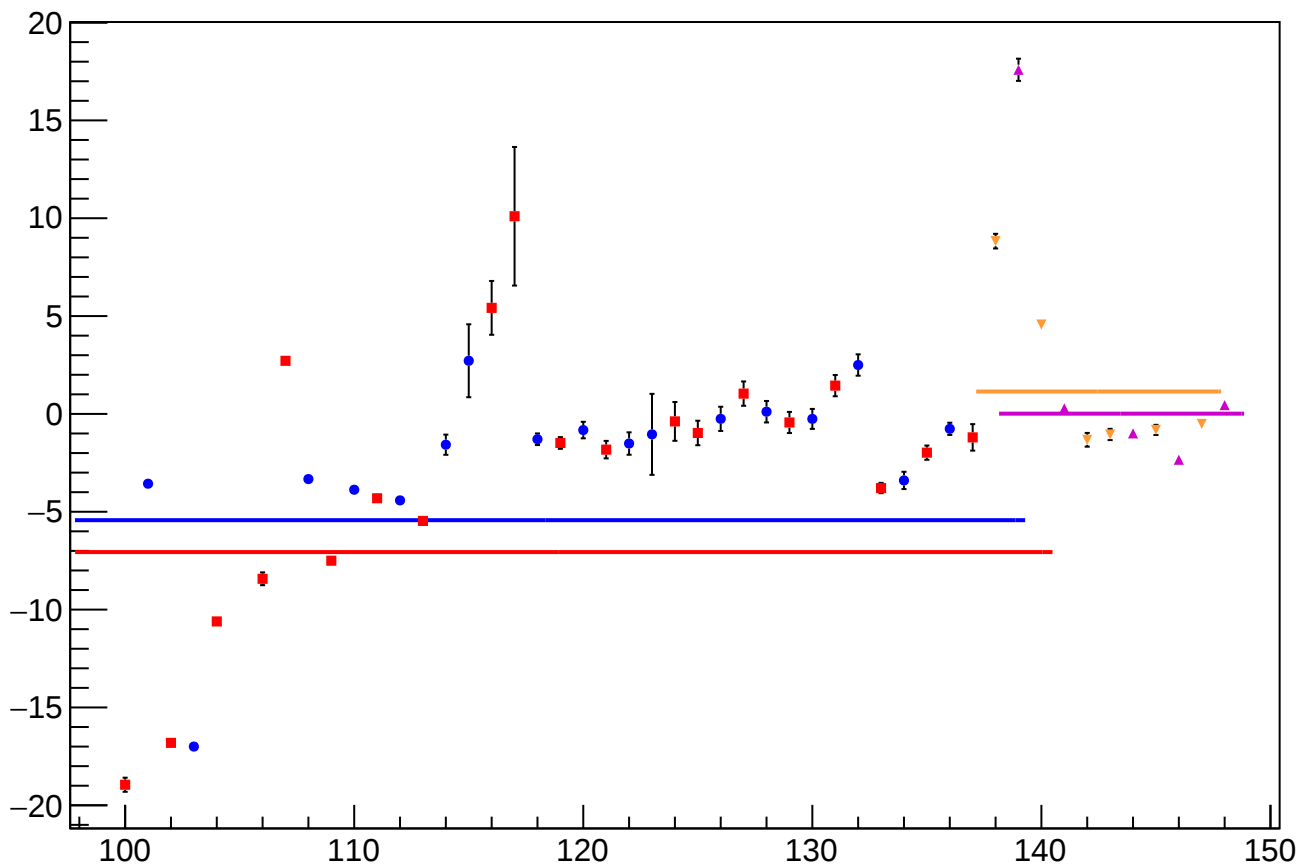
-4.912+/-0.149 χ^2/NDF : 908.1/5

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

-2.674+/-0.155 χ^2/NDF : 317.1/4

Left In: -2.674+/-0.155 χ^2/NDF : 317.1/4

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431+/-0.055 χ^2/NDF : 9233.8/16

Left Out: 1.144+/-0.108 χ^2/NDF : 866.3/5

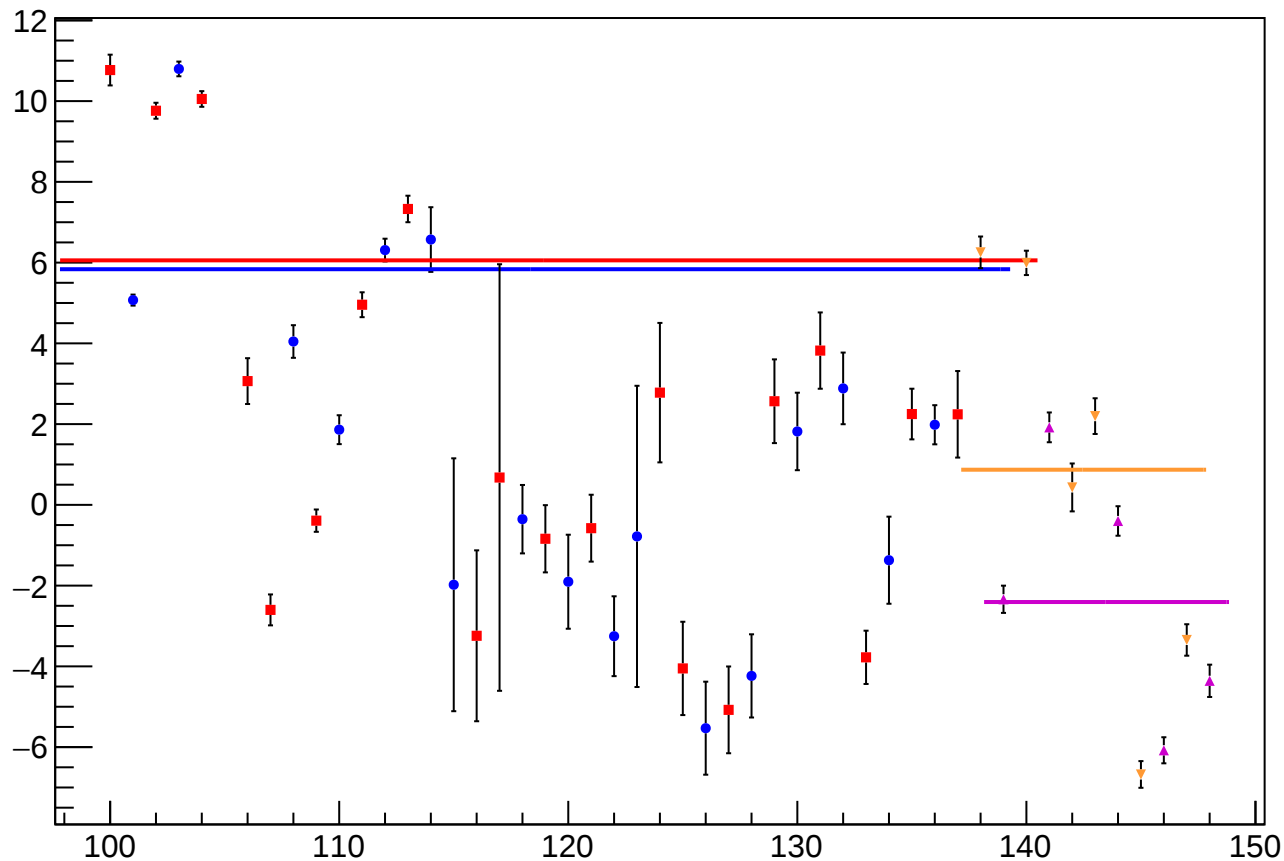
Right Out: -7.061+/-0.059 χ^2/NDF : 12330.1/19

Left In: 0.013+/-0.112 χ^2/NDF : 1103.2/4

-4.090+/-0.049 χ^2/NDF : 13028.5/22

-5.514+/-0.052 χ^2/NDF : 16575.3/24

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 χ^2/NDF : 1440.9/16

Left Out: 0.870 ± 0.156 χ^2/NDF : 1125.0/5

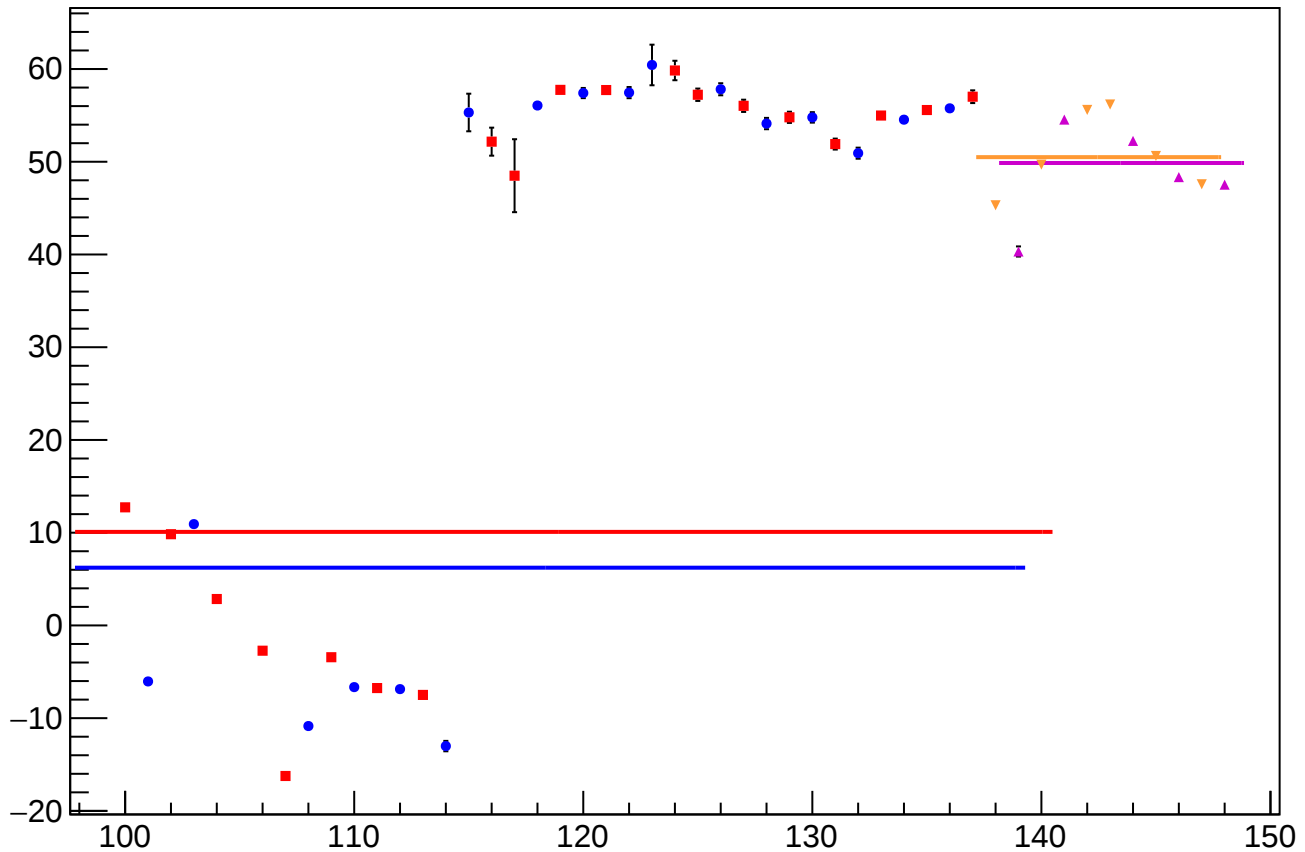
Right Out: 6.056 ± 0.093 χ^2/NDF : 2669.9/19

Left In: -2.406 ± 0.159 χ^2/NDF : 320.8/4

4.601 ± 0.078 χ^2/NDF : 3329.0/22

3.892 ± 0.081 χ^2/NDF : 5093.4/24

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 $\pm$ 0.065 χ^2/NDF : 120955.1/16

Left Out: 50.497 $\pm$ 0.133 χ^2/NDF : 687.9/5

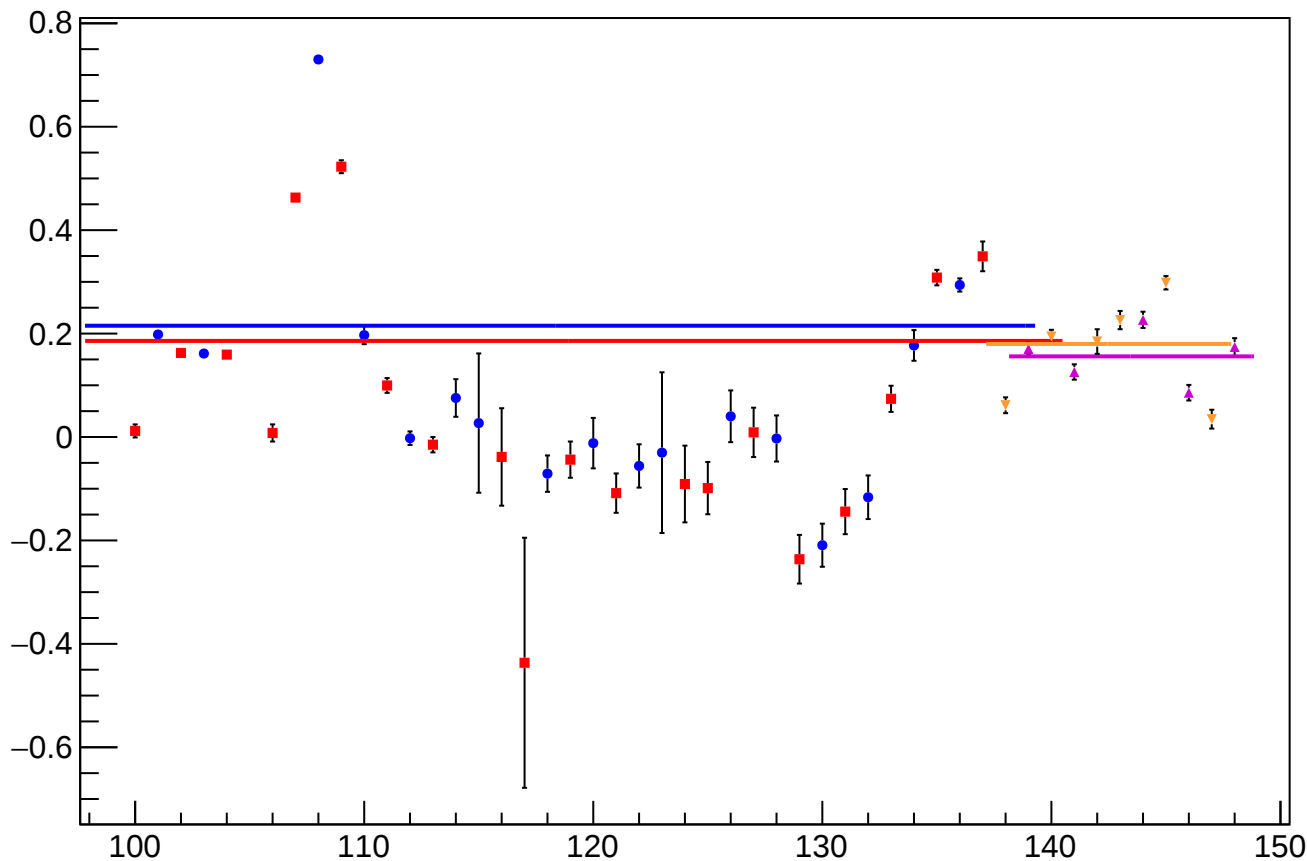
Right Out: 10.087 $\pm$ 0.070 χ^2/NDF : 122144.7/19

Left In: 49.866 $\pm$ 0.138 χ^2/NDF : 715.6/4

14.734 $\pm$ 0.058 χ^2/NDF : 211262.6/22

18.179 $\pm$ 0.062 χ^2/NDF : 189071.4/24

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.180 $\pm$ 0.006 χ^2/NDF : 215.0/5

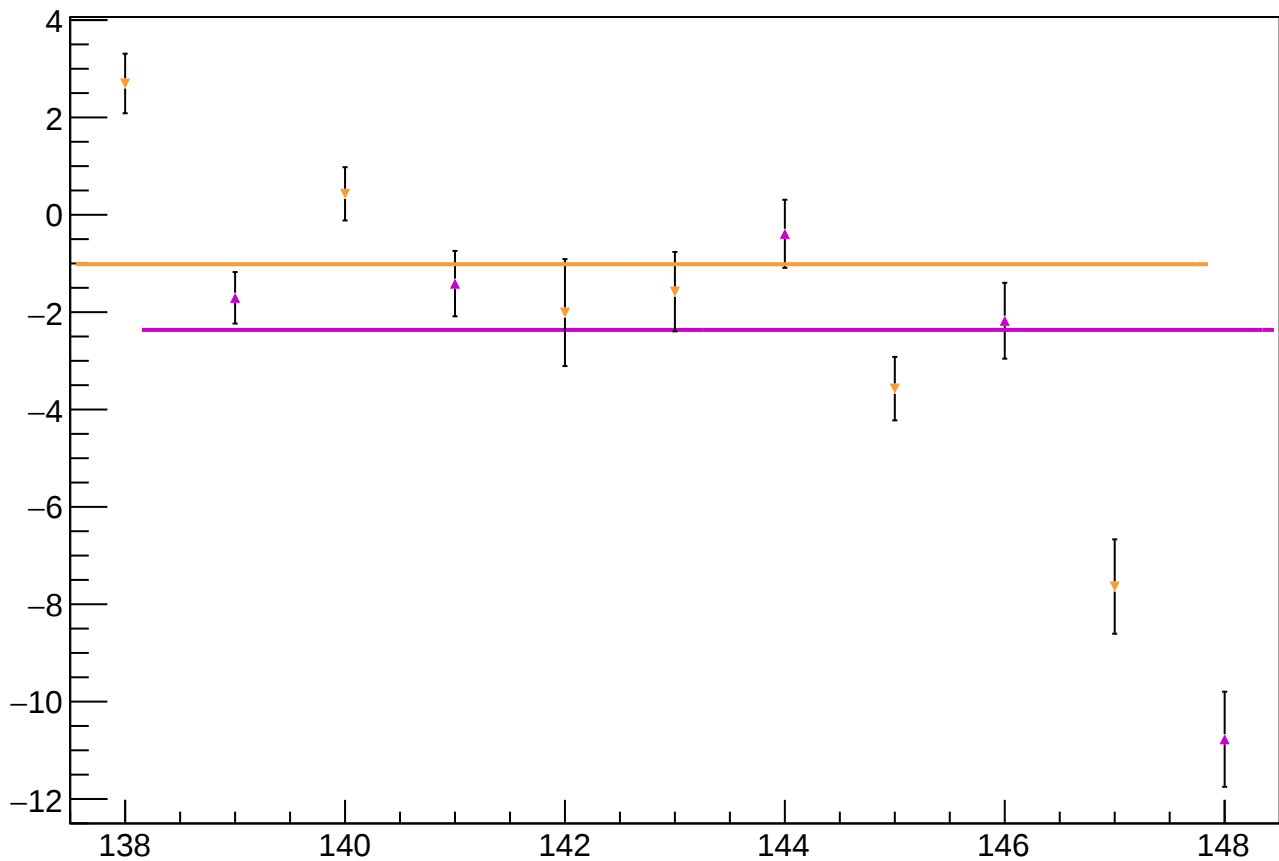
Right Out: 0.186 $\pm$ 0.003 χ^2/NDF : 2724.7/19

Left In: 0.156 $\pm$ 0.007 χ^2/NDF : 48.6/4

0.210 $\pm$ 0.003 χ^2/NDF : 4166.1/22

0.182 $\pm$ 0.002 χ^2/NDF : 2791.2/24

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: -1.015+/-0.292 χ^2/NDF : 107.1/5

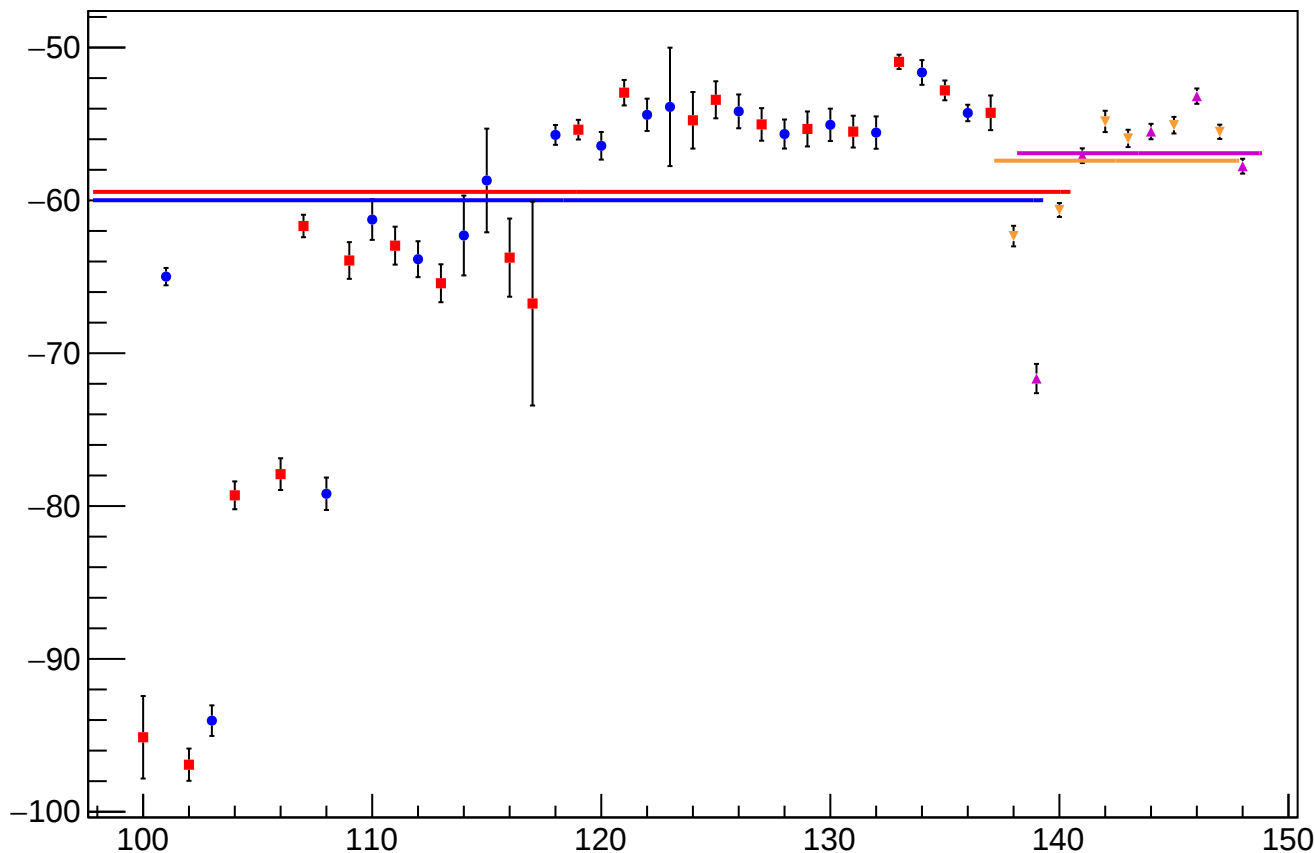
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2.364+/-0.308 χ^2/NDF : 85.6/4

-1.015+/-0.292 χ^2/NDF : 107.1/5

-2.364+/-0.308 χ^2/NDF : 85.6/4

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -57.403 ± 0.223 χ^2/NDF : 158.1/5

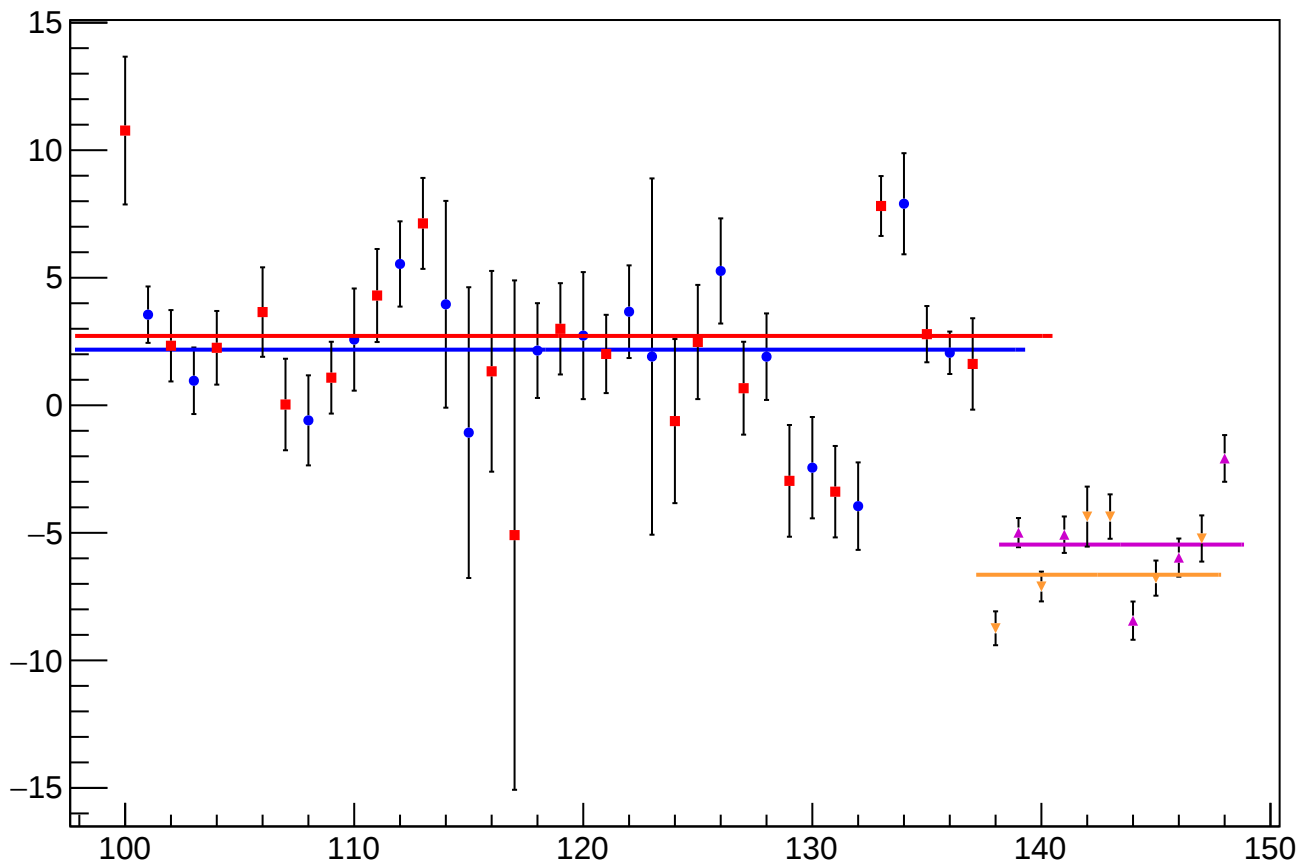
Right Out: -59.442 ± 0.212 χ^2/NDF : 2919.1/19

Left In: -56.915 ± 0.239 χ^2/NDF : 303.4/4

-58.686 ± 0.158 χ^2/NDF : 2197.9/22

-58.330 ± 0.159 χ^2/NDF : 3285.1/24

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -6.643 ± 0.307 $\chi^2/\text{NDF}: 23.7/5$

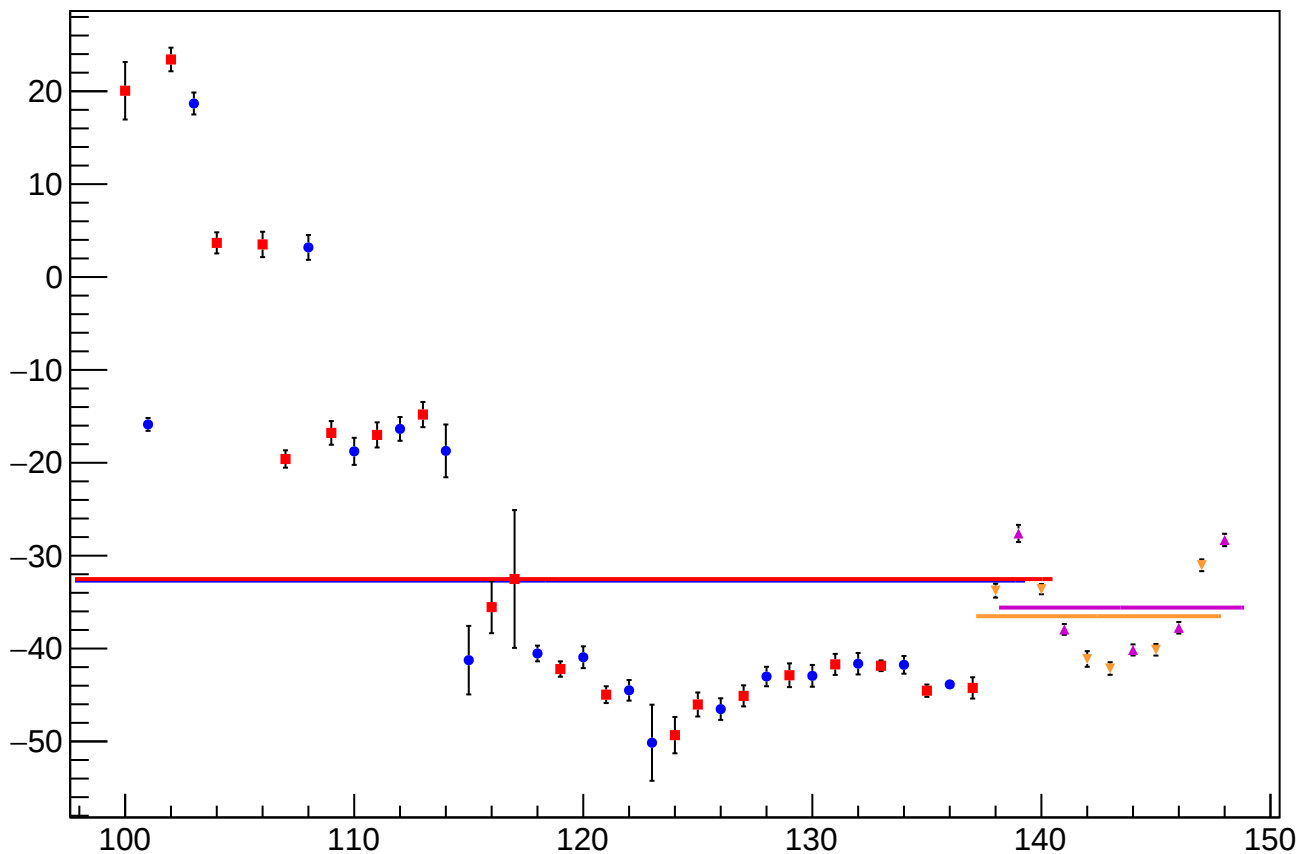
Right Out: 2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

Left In: -5.461 ± 0.320 $\chi^2/\text{NDF}: 30.9/4$

-3.423 ± 0.245 $\chi^2/\text{NDF}: 363.3/22$

-2.148 ± 0.247 $\chi^2/\text{NDF}: 355.3/24$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -36.523 ± 0.270 $\chi^2/\text{NDF}: 248.1/5$

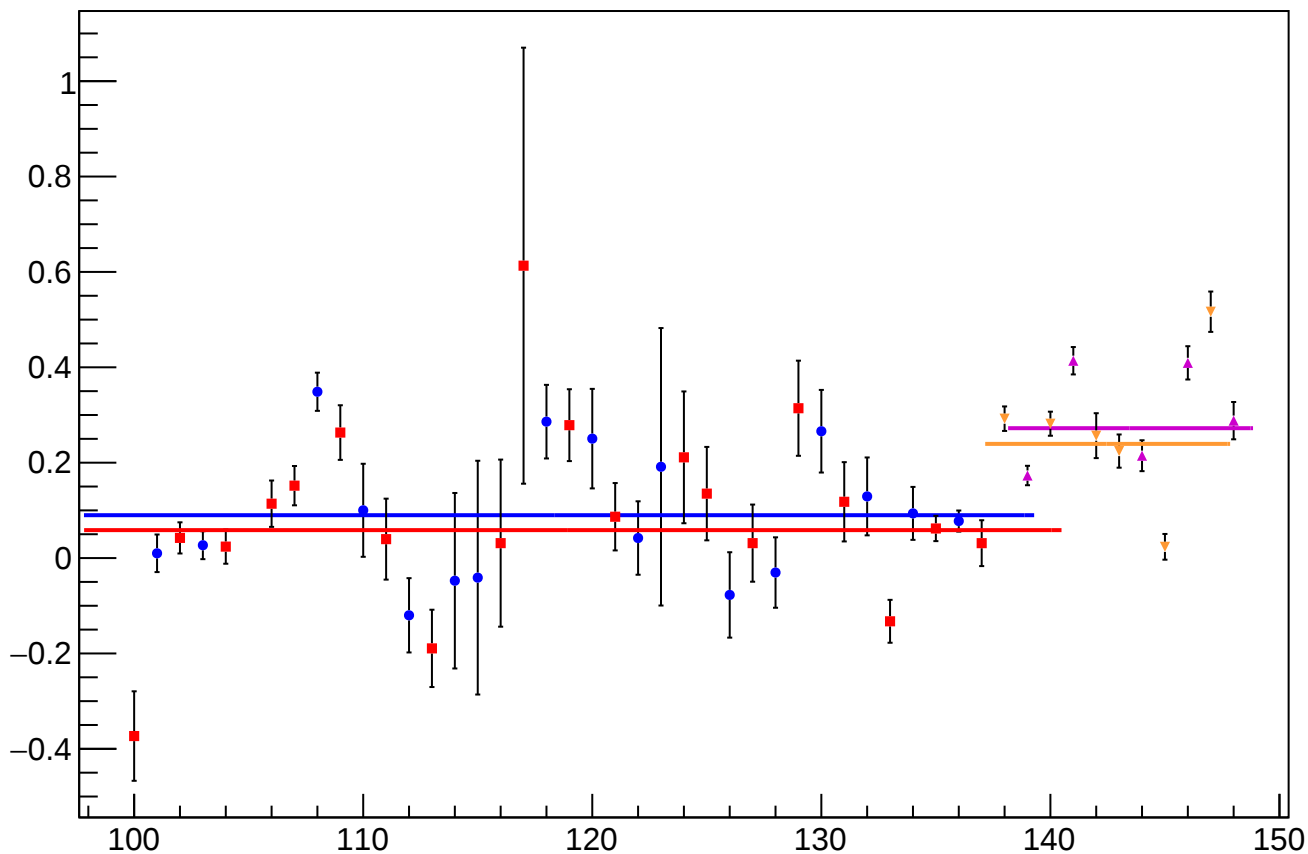
Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

Left In: -35.588 ± 0.291 $\chi^2/\text{NDF}: 280.7/4$

-34.498 ± 0.186 $\chi^2/\text{NDF}: 5001.6/22$

-33.788 ± 0.187 $\chi^2/\text{NDF}: 6391.3/24$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.239 ± 0.013 χ^2/NDF : 114.3/5

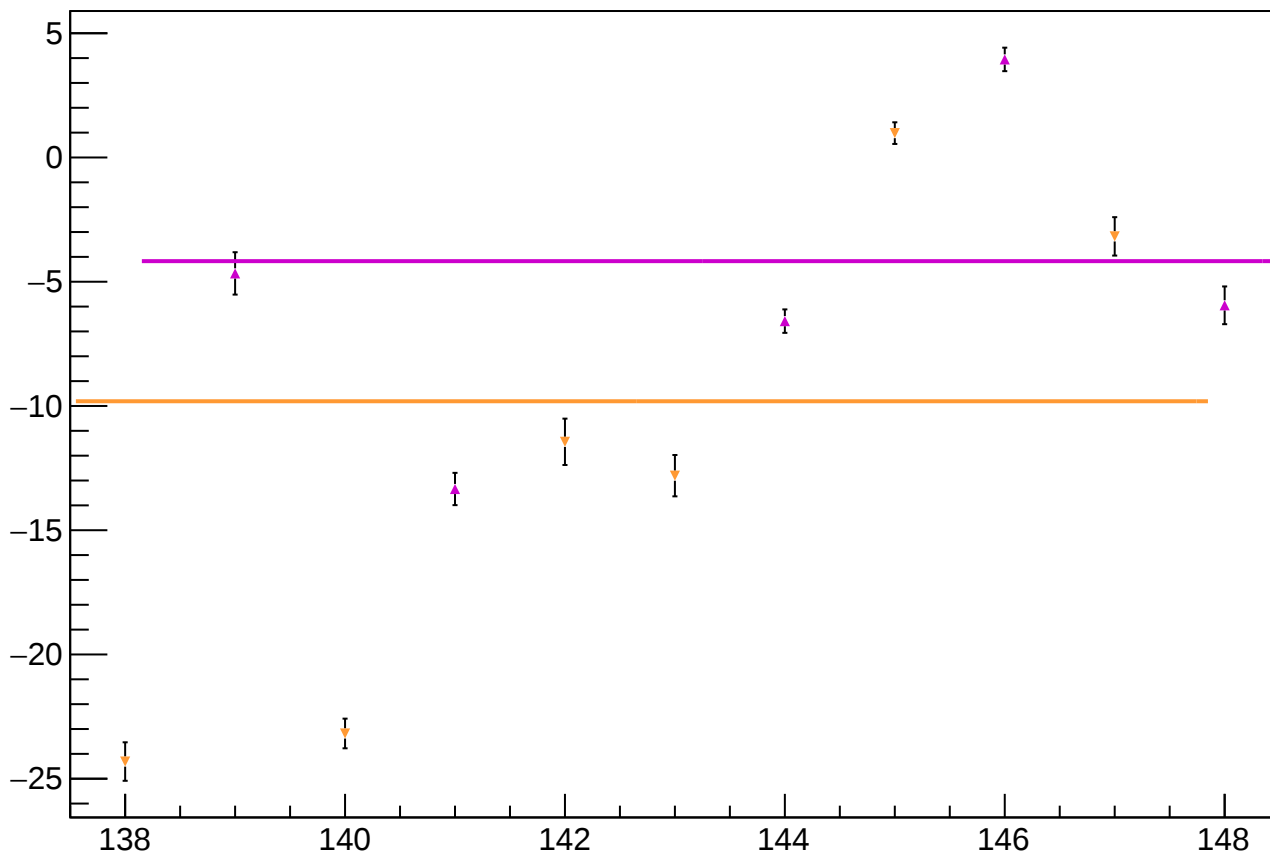
Right Out: 0.059 ± 0.012 χ^2/NDF : 88.6/19

Left In: 0.272 ± 0.013 χ^2/NDF : 66.7/4

0.166 ± 0.009 χ^2/NDF : 262.7/22

0.160 ± 0.009 χ^2/NDF : 301.0/24

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.810+/-0.267 χ^2/NDF : 1554.6/5

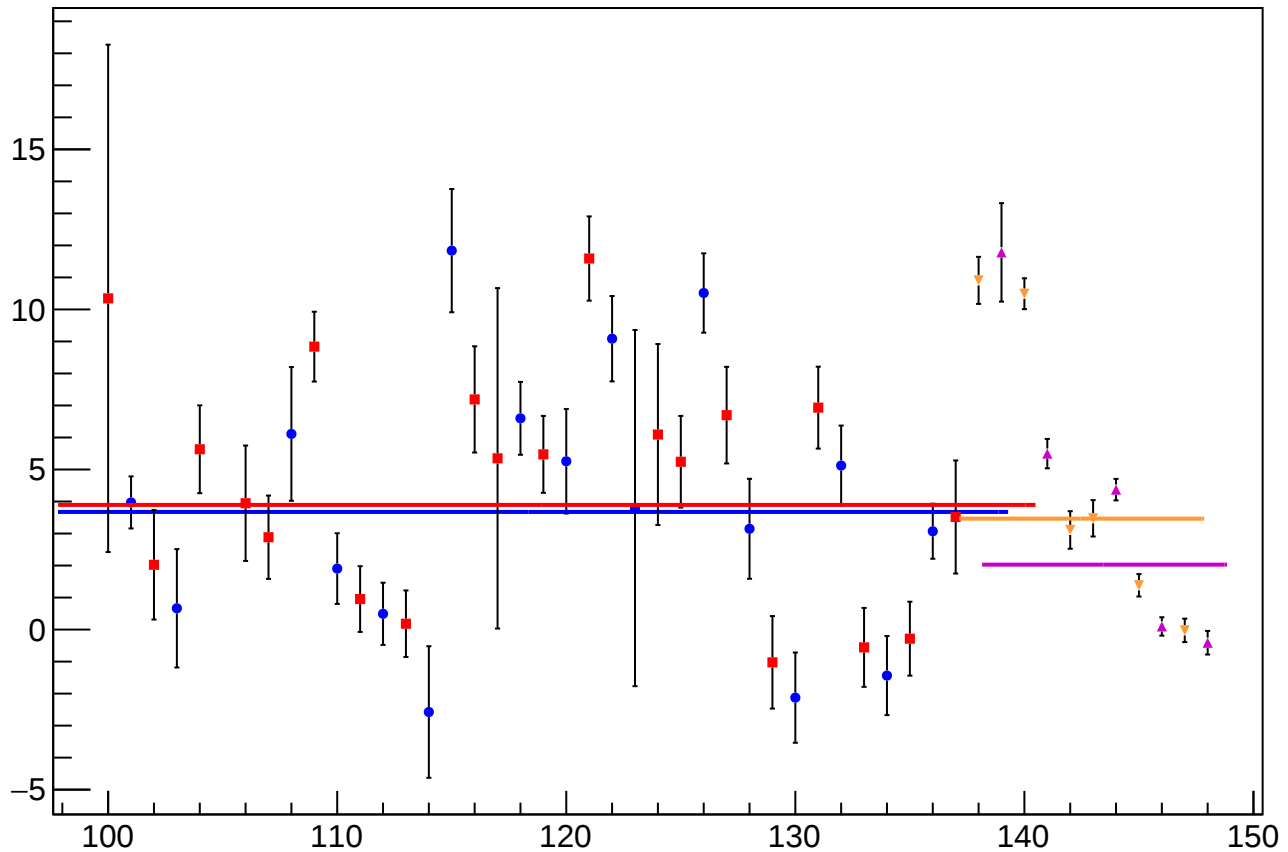
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -4.172+/-0.263 χ^2/NDF : 526.6/4

-9.810+/-0.267 χ^2/NDF : 1554.6/5

-4.172+/-0.263 χ^2/NDF : 526.6/4

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 3.466 ± 0.190 χ^2/NDF : 441.3/5

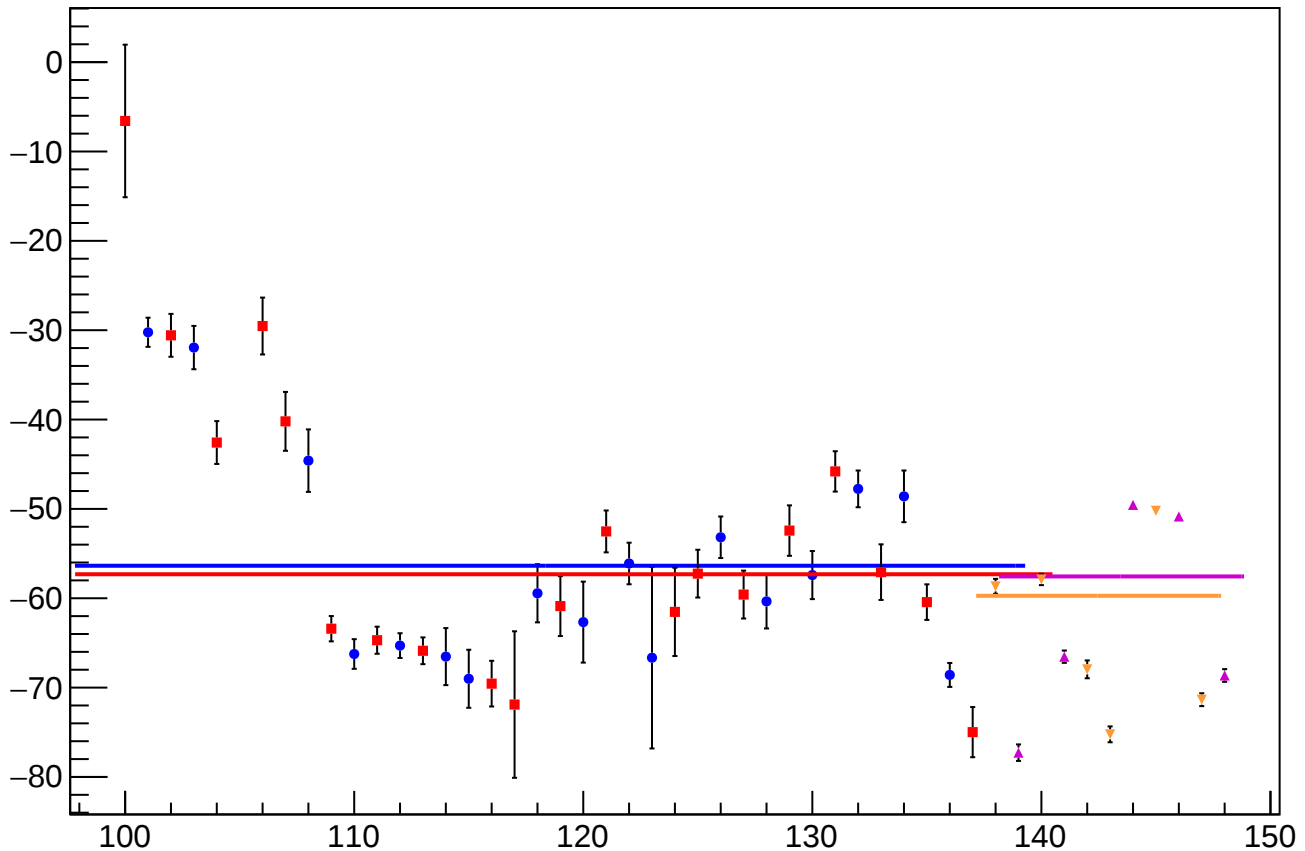
Right Out: 3.895 ± 0.316 χ^2/NDF : 133.8/19

Left In: 2.028 ± 0.173 χ^2/NDF : 234.9/4

3.523 ± 0.162 χ^2/NDF : 576.8/22

2.459 ± 0.152 χ^2/NDF : 395.6/24

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 $\chi^2/\text{NDF}: 587.2/16$

Left Out: -59.724 ± 0.280 $\chi^2/\text{NDF}: 1063.6/5$

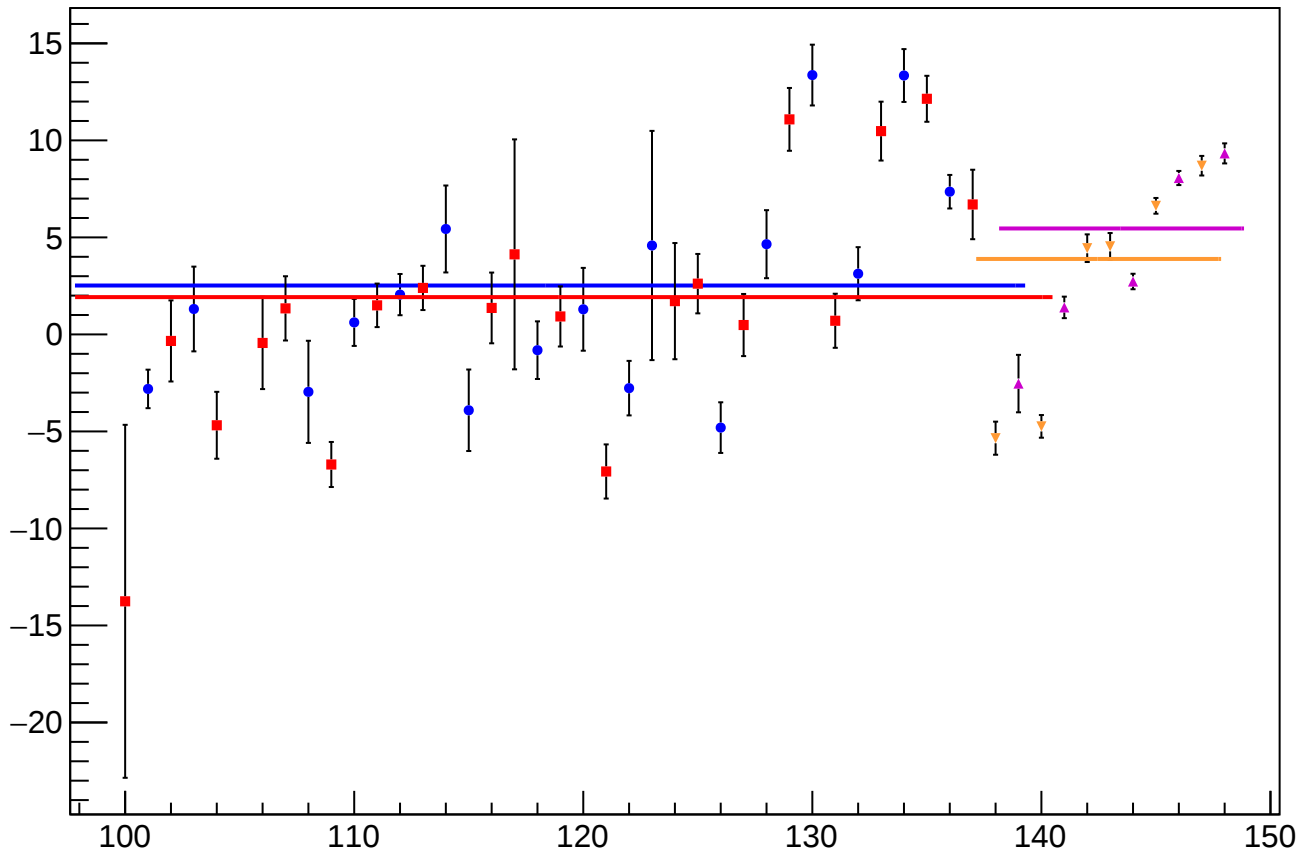
Right Out: -57.314 ± 0.535 $\chi^2/\text{NDF}: 479.2/19$

Left In: -57.558 ± 0.267 $\chi^2/\text{NDF}: 1337.8/4$

-59.018 ± 0.249 $\chi^2/\text{NDF}: 1681.1/22$

-57.509 ± 0.239 $\chi^2/\text{NDF}: 1817.1/24$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 3.889 ± 0.233 χ^2/NDF : 473.2/5

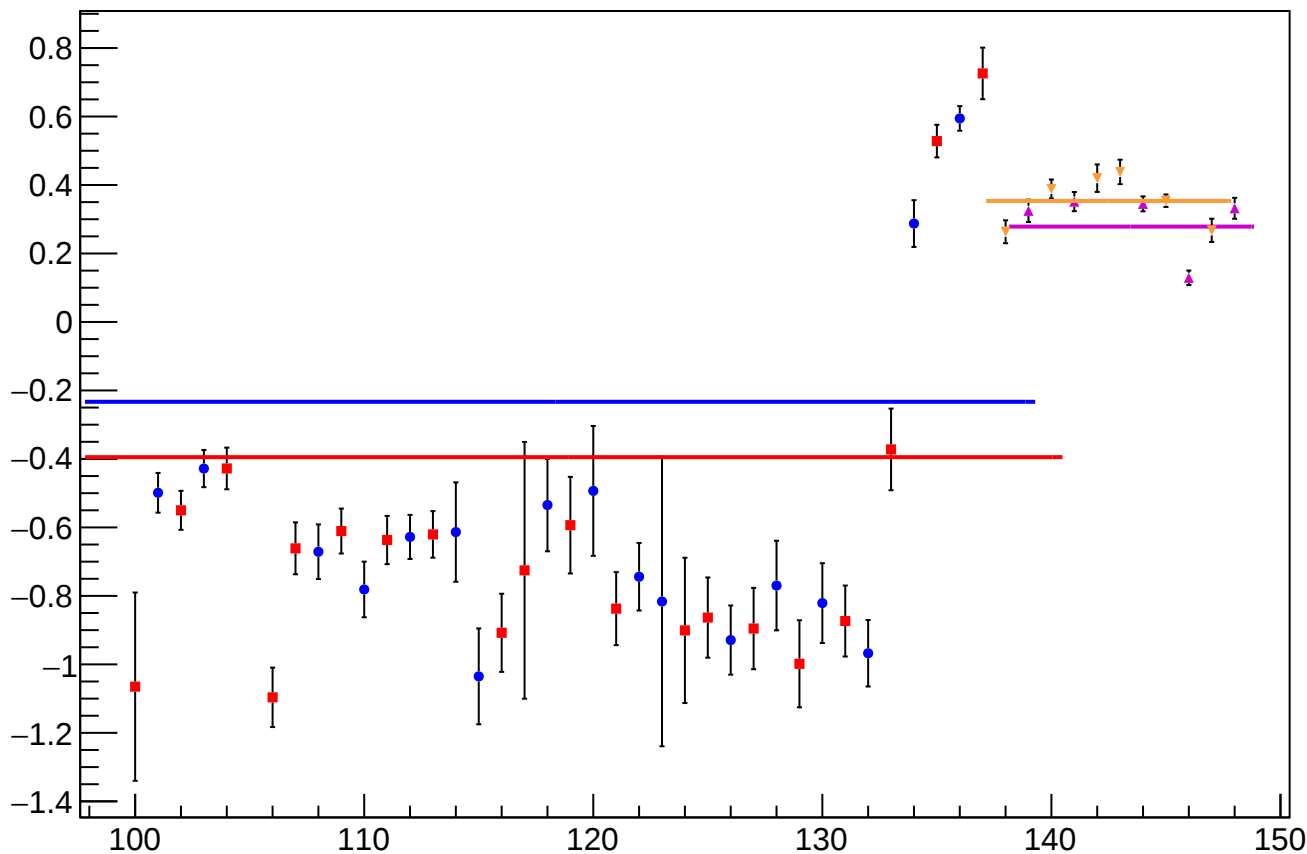
Right Out: 1.922 ± 0.354 χ^2/NDF : 264.7/19

Left In: 5.460 ± 0.217 χ^2/NDF : 236.9/4

3.464 ± 0.193 χ^2/NDF : 726.2/22

4.496 ± 0.185 χ^2/NDF : 574.2/24

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.354 ± 0.012 χ^2/NDF : 23.6/5

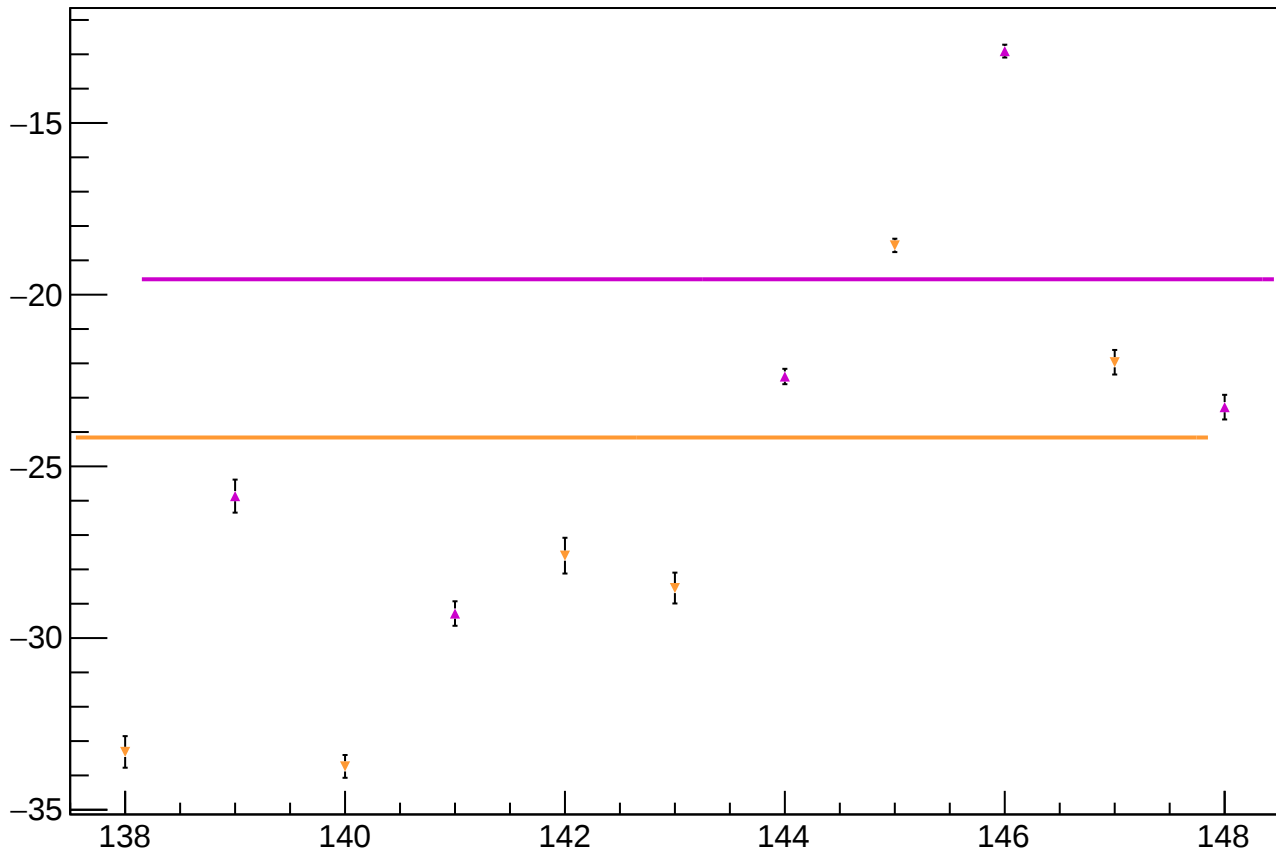
Right Out: -0.395 ± 0.019 χ^2/NDF : 845.9/19

Left In: 0.279 ± 0.011 χ^2/NDF : 71.1/4

0.194 ± 0.010 χ^2/NDF : 1681.5/22

0.099 ± 0.010 χ^2/NDF : 1841.0/24

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -24.159+/-0.133 χ^2/NDF : 2229.8/5

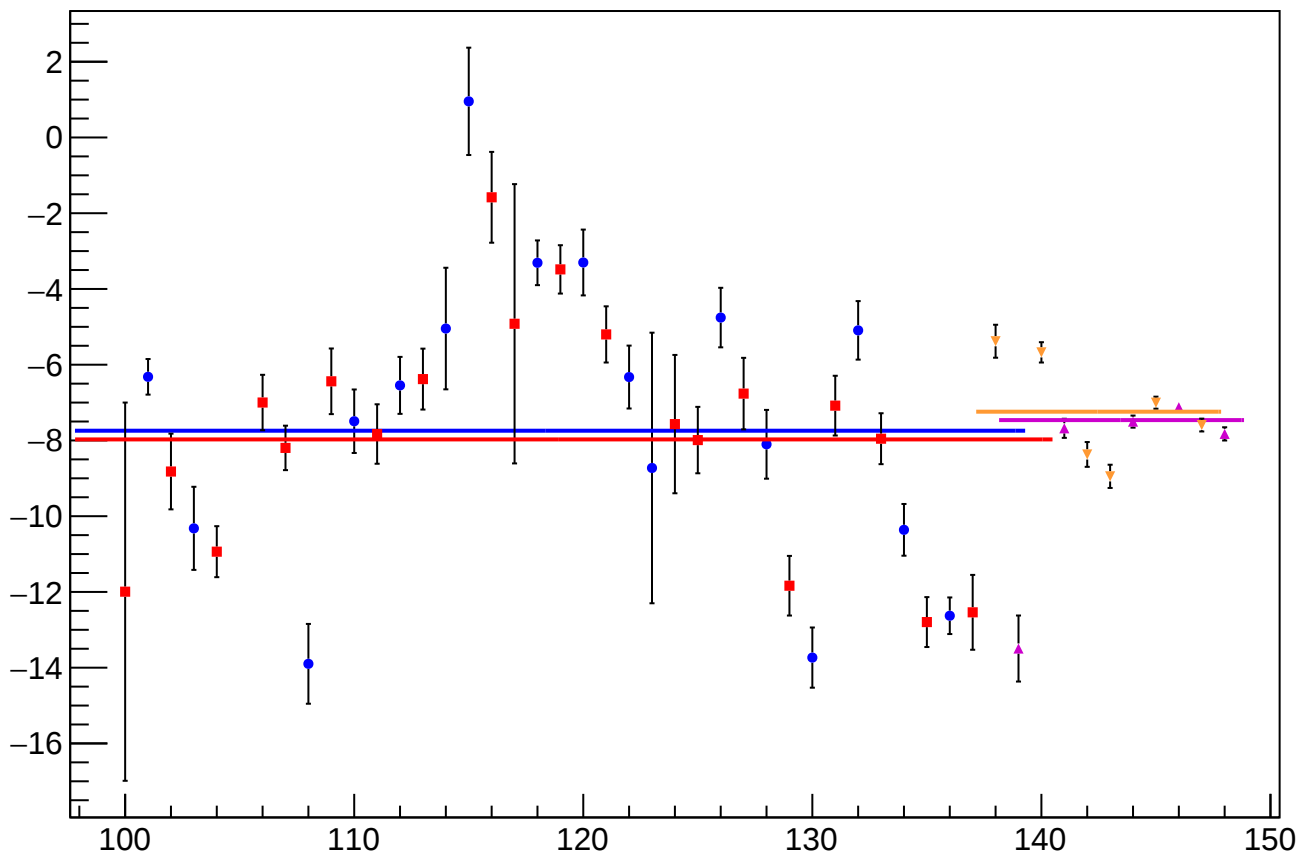
-24.159+/-0.133 χ^2/NDF : 2229.8/5

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

-19.552+/-0.121 χ^2/NDF : 2441.1/4

Left In: -19.552+/-0.121 χ^2/NDF : 2441.1/4

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.241 ± 0.094 χ^2/NDF : 101.9/5

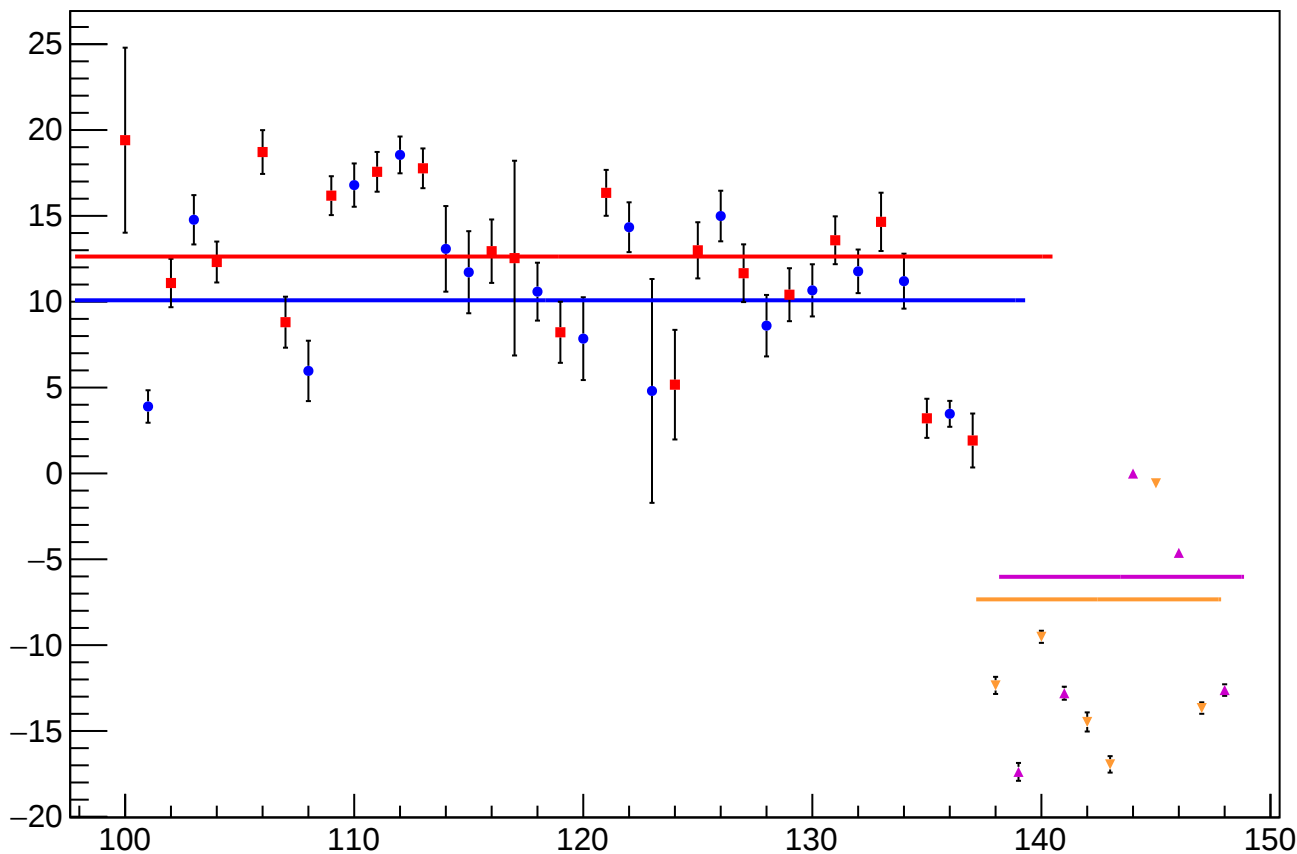
Right Out: -7.973 ± 0.186 χ^2/NDF : 224.2/19

Left In: -7.463 ± 0.079 χ^2/NDF : 61.4/4

-7.342 ± 0.084 χ^2/NDF : 485.1/22

-7.540 ± 0.072 χ^2/NDF : 292.1/24

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 $\pm$ 0.338 χ^2 /NDF: 252.7/16

Left Out: -7.335 $\pm$ 0.139 χ^2 /NDF: 2140.9/5

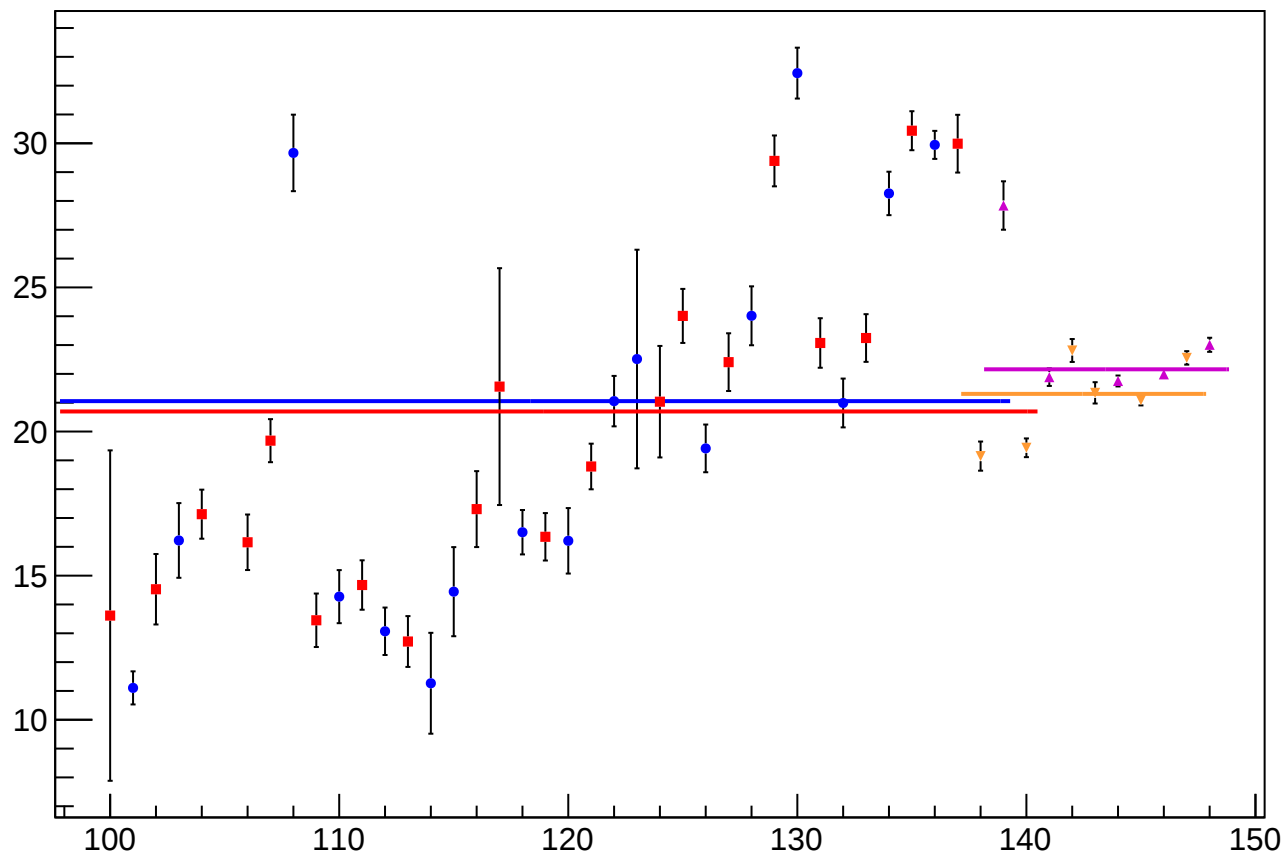
Right Out: 12.631 $\pm$ 0.332 χ^2 /NDF: 218.6/19

Left In: -6.021 $\pm$ 0.122 χ^2 /NDF: 1869.3/4

-4.830 $\pm$ 0.128 χ^2 /NDF: 4668.2/22

-3.817 $\pm$ 0.114 χ^2 /NDF: 4869.8/24

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 21.306 $\pm$ 0.115 χ^2 /NDF: 95.6/5

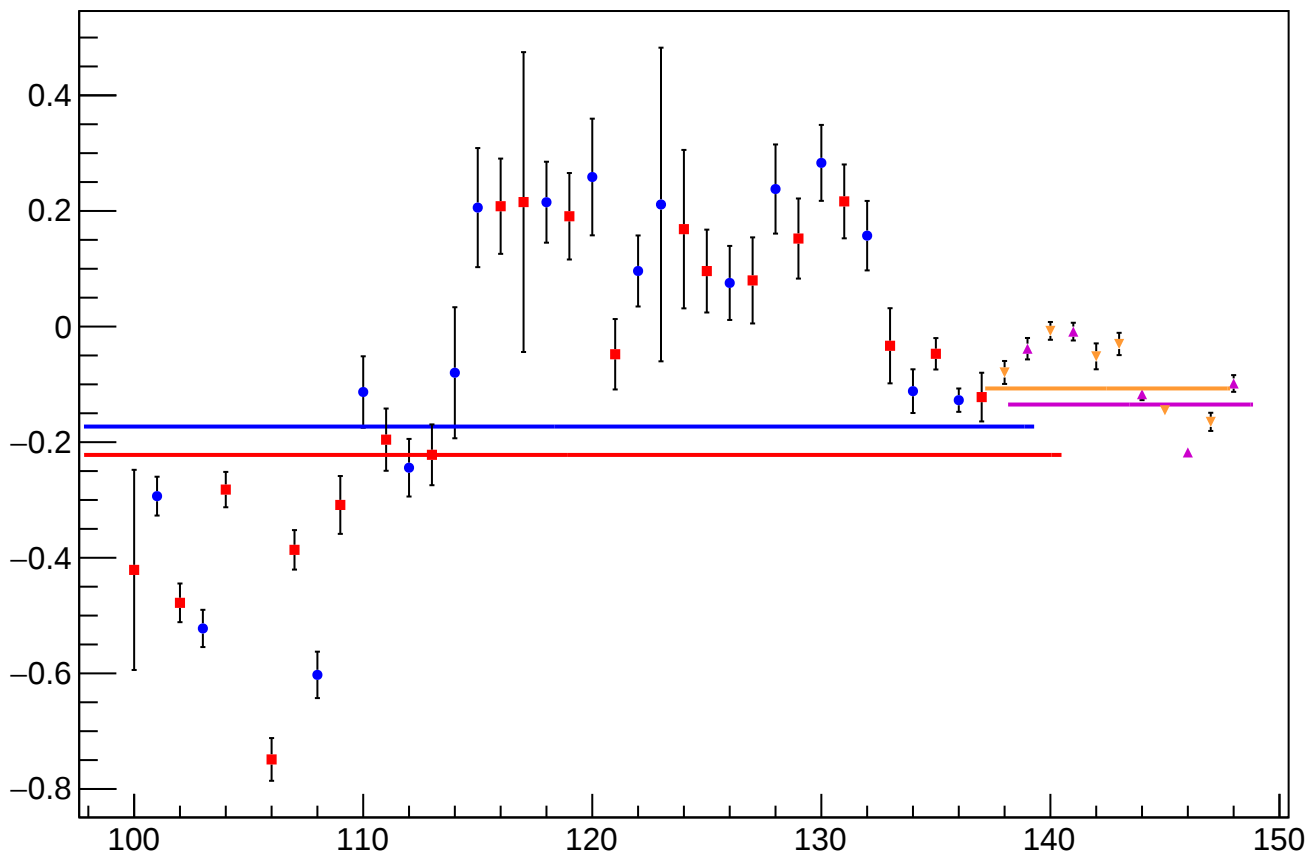
Right Out: 20.696 $\pm$ 0.212 χ^2 /NDF: 724.1/19

Left In: 22.159 $\pm$ 0.098 χ^2 /NDF: 64.7/4

21.248 $\pm$ 0.101 χ^2 /NDF: 1308.5/22

21.900 $\pm$ 0.089 χ^2 /NDF: 827.8/24

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.107 ± 0.006 χ^2/NDF : 101.1/5

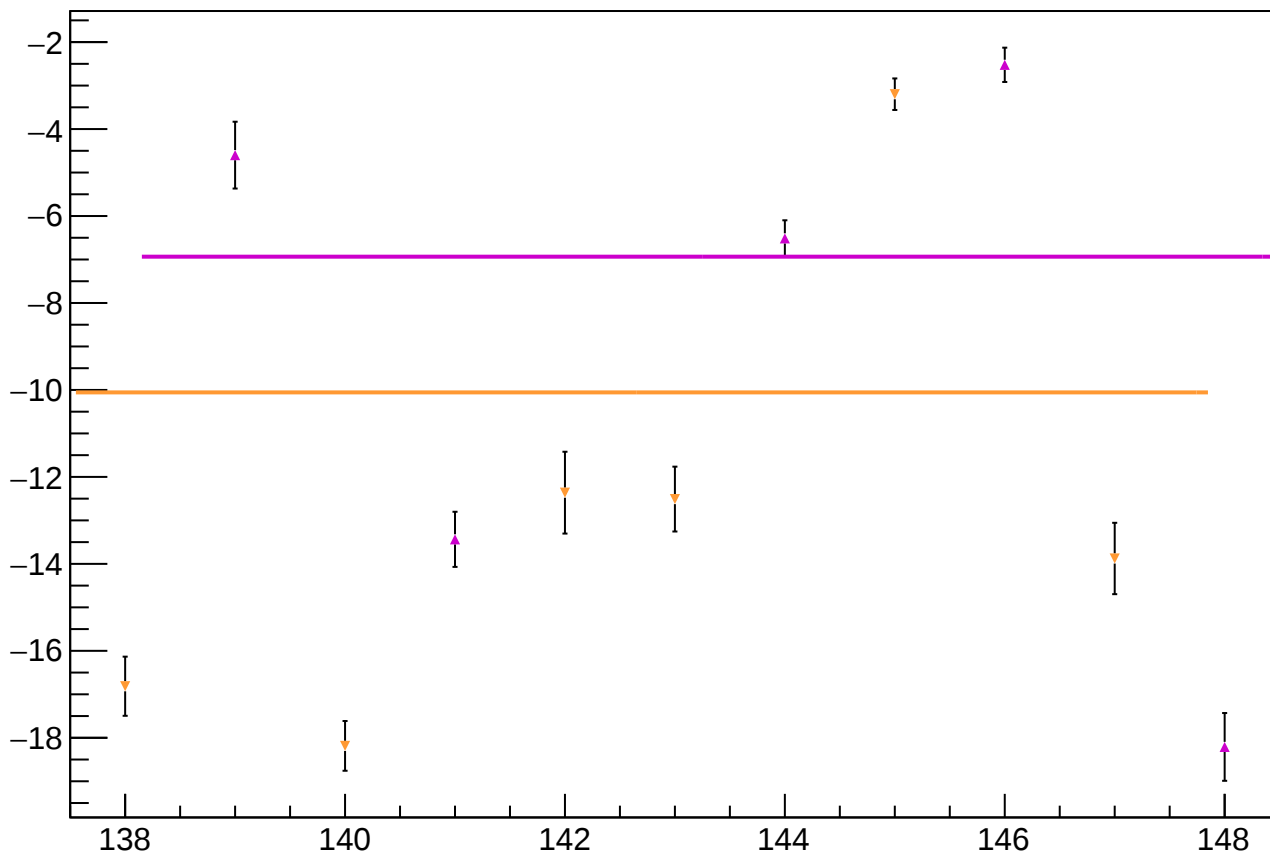
Right Out: -0.222 ± 0.011 χ^2/NDF : 538.0/19

Left In: -0.135 ± 0.005 χ^2/NDF : 200.4/4

-0.121 ± 0.005 χ^2/NDF : 590.4/22

-0.151 ± 0.005 χ^2/NDF : 789.7/24

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.056+/-0.241 χ^2/NDF : 696.8/5

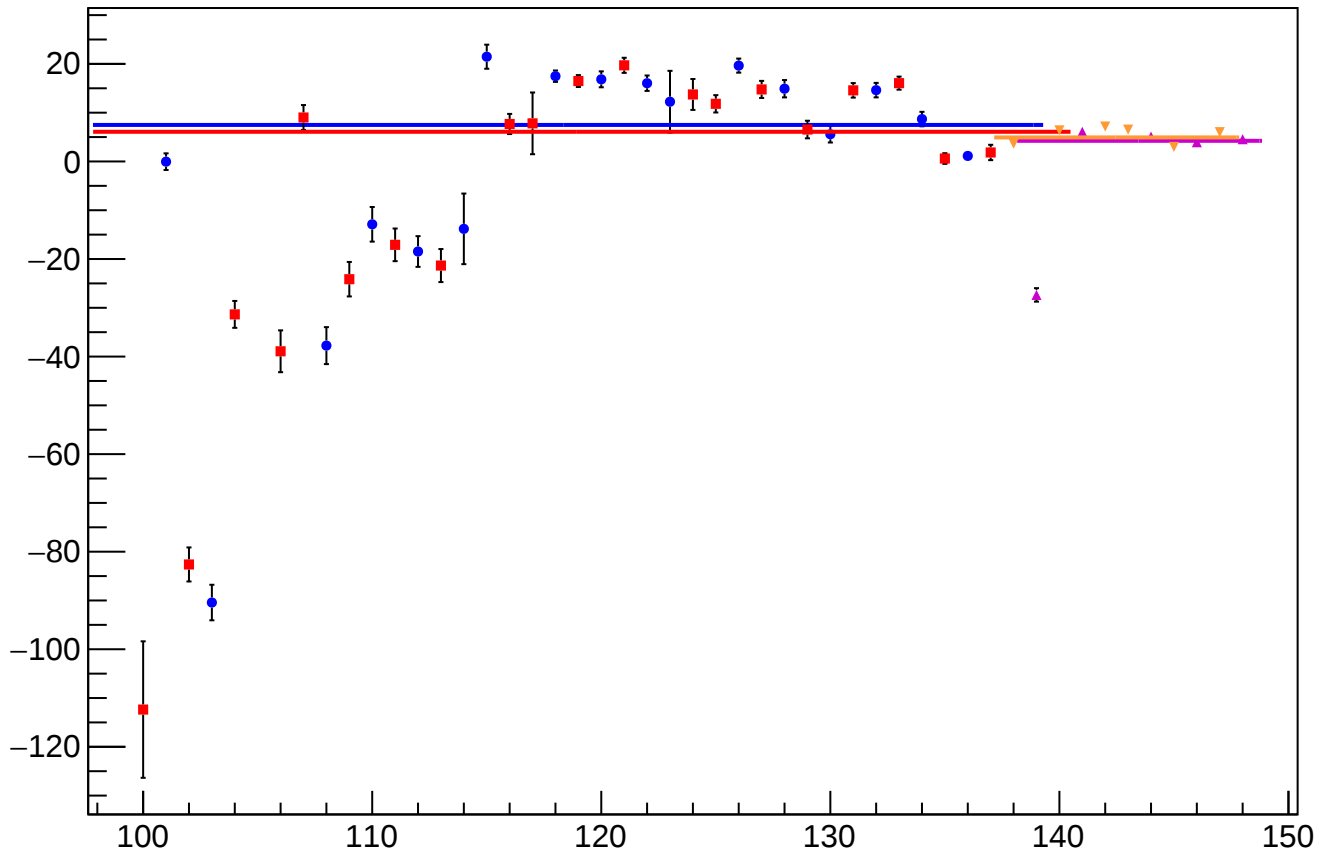
-10.056+/-0.241 χ^2/NDF : 696.8/5

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

Left In: -6.935+/-0.236 χ^2/NDF : 449.8/4

-6.935+/-0.236 χ^2/NDF : 449.8/4

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 $\chi^2/\text{NDF}: 1340.5/16$

Left Out: 4.927 ± 0.176 $\chi^2/\text{NDF}: 90.5/5$

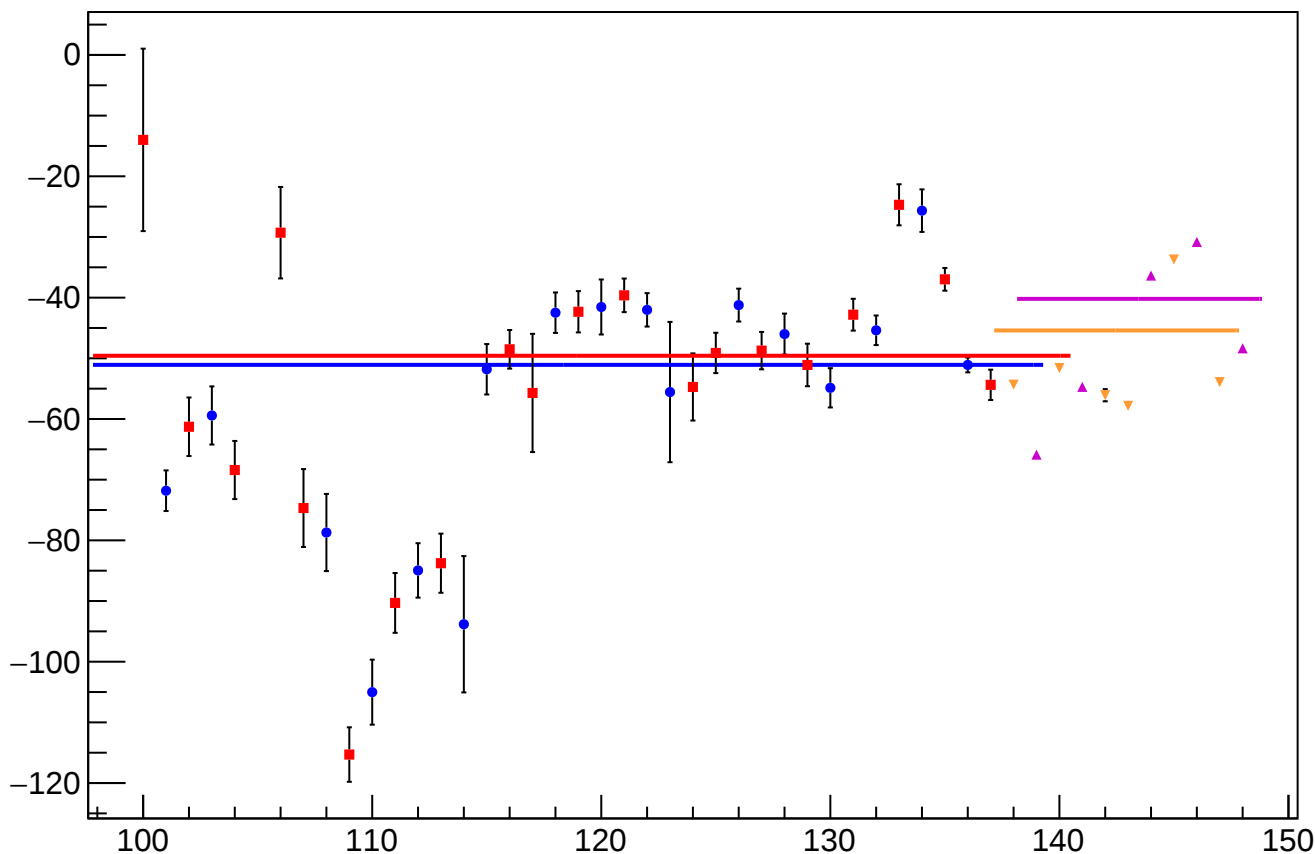
Right Out: 6.086 ± 0.433 $\chi^2/\text{NDF}: 1512.2/19$

Left In: 4.233 ± 0.159 $\chi^2/\text{NDF}: 550.1/4$

5.330 ± 0.161 $\chi^2/\text{NDF}: 1464.4/22$

4.453 ± 0.149 $\chi^2/\text{NDF}: 2078.4/24$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -45.405 ± 0.254 χ^2/NDF : 1639.9/5

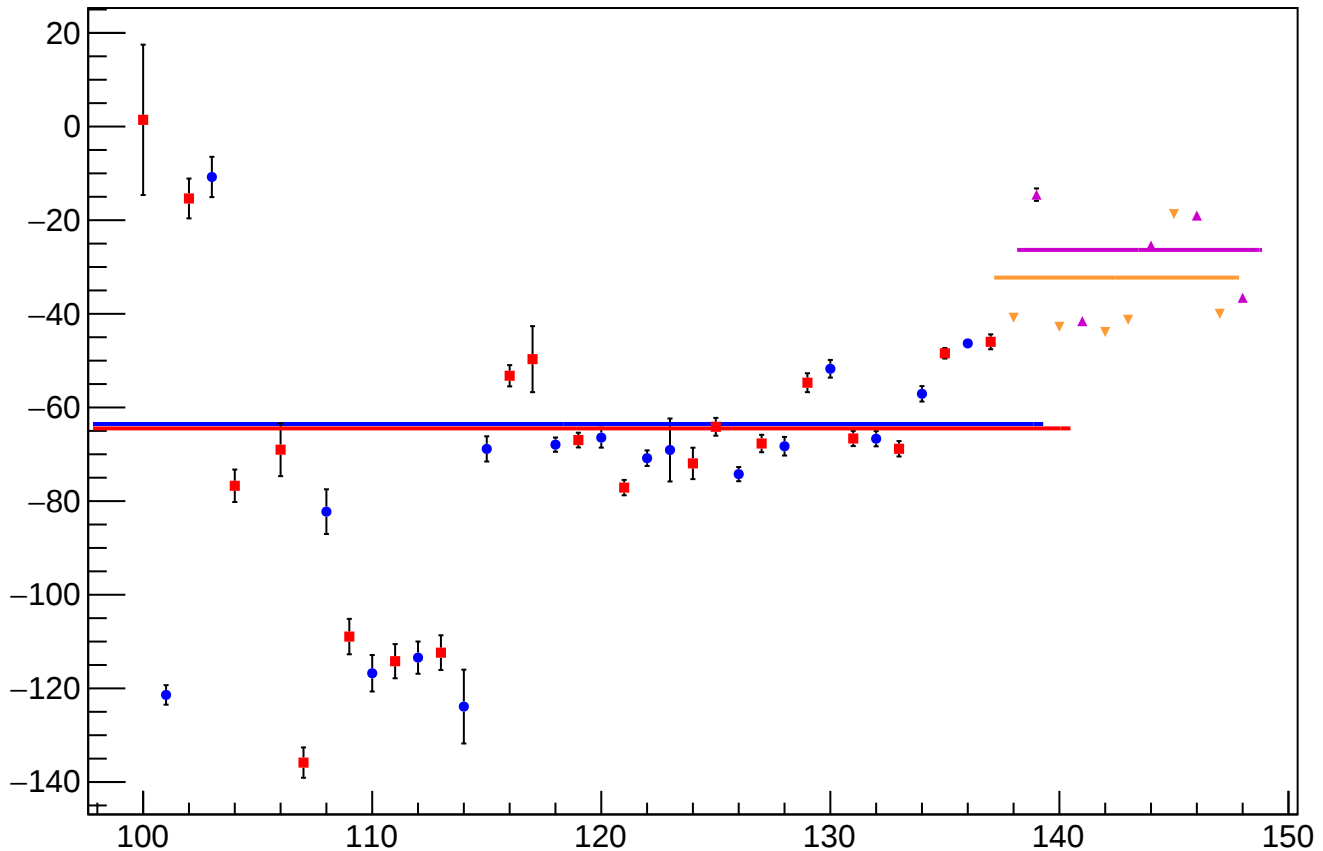
Right Out: -49.579 ± 0.796 χ^2/NDF : 510.0/19

Left In: -40.200 ± 0.239 χ^2/NDF : 2223.4/4

-46.003 ± 0.241 χ^2/NDF : 2022.5/22

-40.978 ± 0.229 χ^2/NDF : 2860.8/24

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 $\pm$ 0.449 χ^2 /NDF: 2010.9/16

Left Out: -32.264 $\pm$ 0.213 χ^2 /NDF:2813.2/5

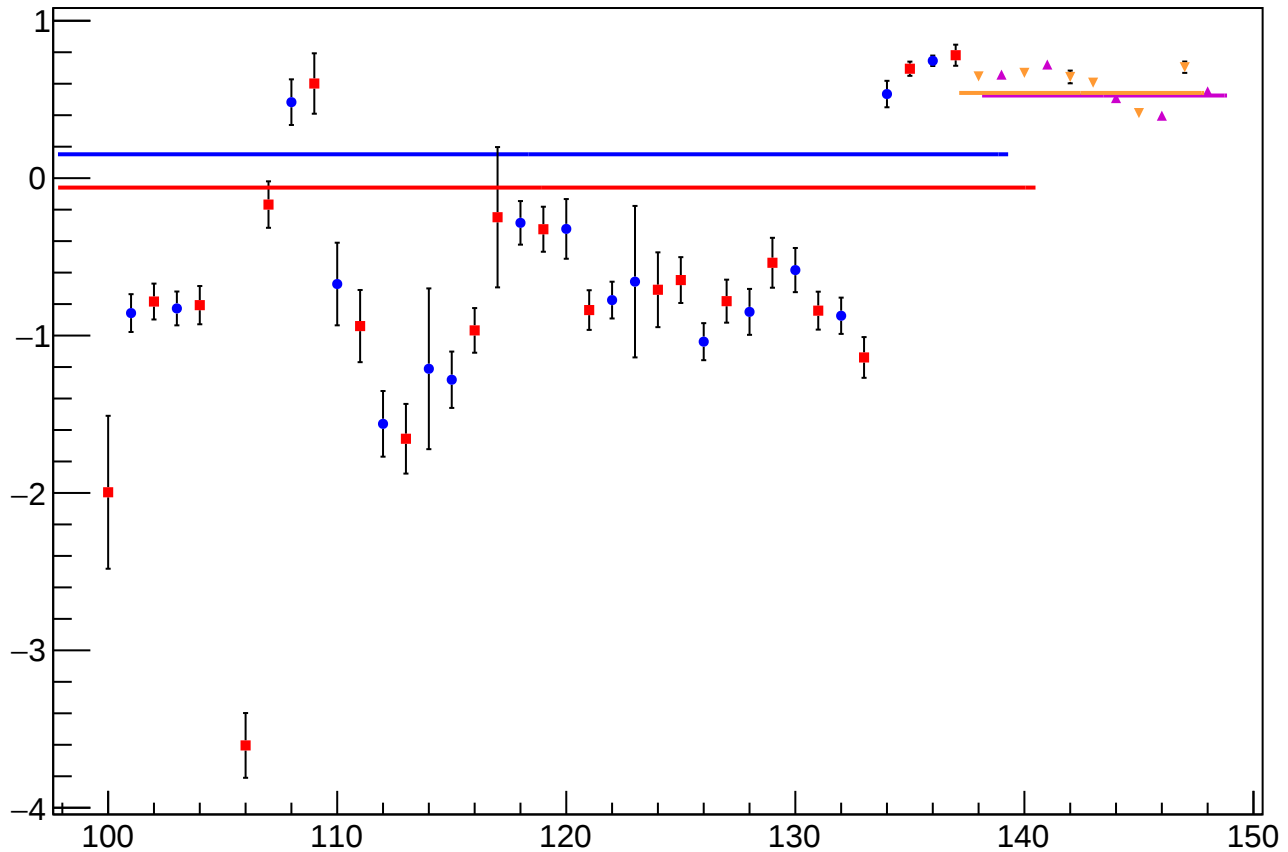
Right Out: -64.470 $\pm$ 0.482 χ^2 /NDF: 1607.5/19

Left In: -26.345 $\pm$ 0.197 χ^2 /NDF:1788.3/4

-38.032 $\pm$ 0.193 χ^2 /NDF: 8783.0/22

-31.823 $\pm$ 0.183 χ^2 /NDF: 8757.1/24

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.541 ± 0.010 χ^2/NDF : 137.7/5

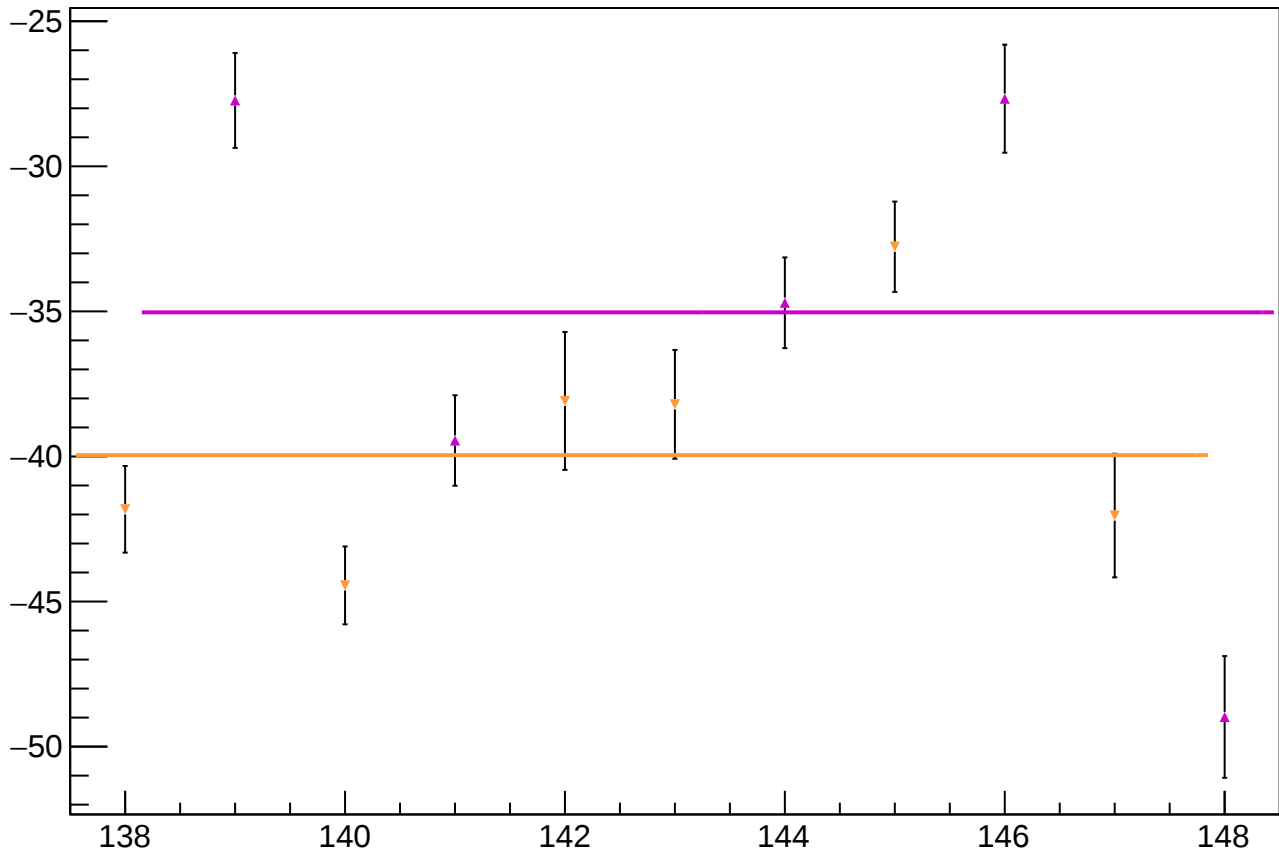
Right Out: -0.060 ± 0.026 χ^2/NDF : 1162.1/19

Left In: 0.525 ± 0.010 χ^2/NDF : 125.5/4

0.480 ± 0.010 χ^2/NDF : 1346.6/22

0.447 ± 0.010 χ^2/NDF : 1717.7/24

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -39.954+/-0.690 χ^2/NDF : 36.5/5

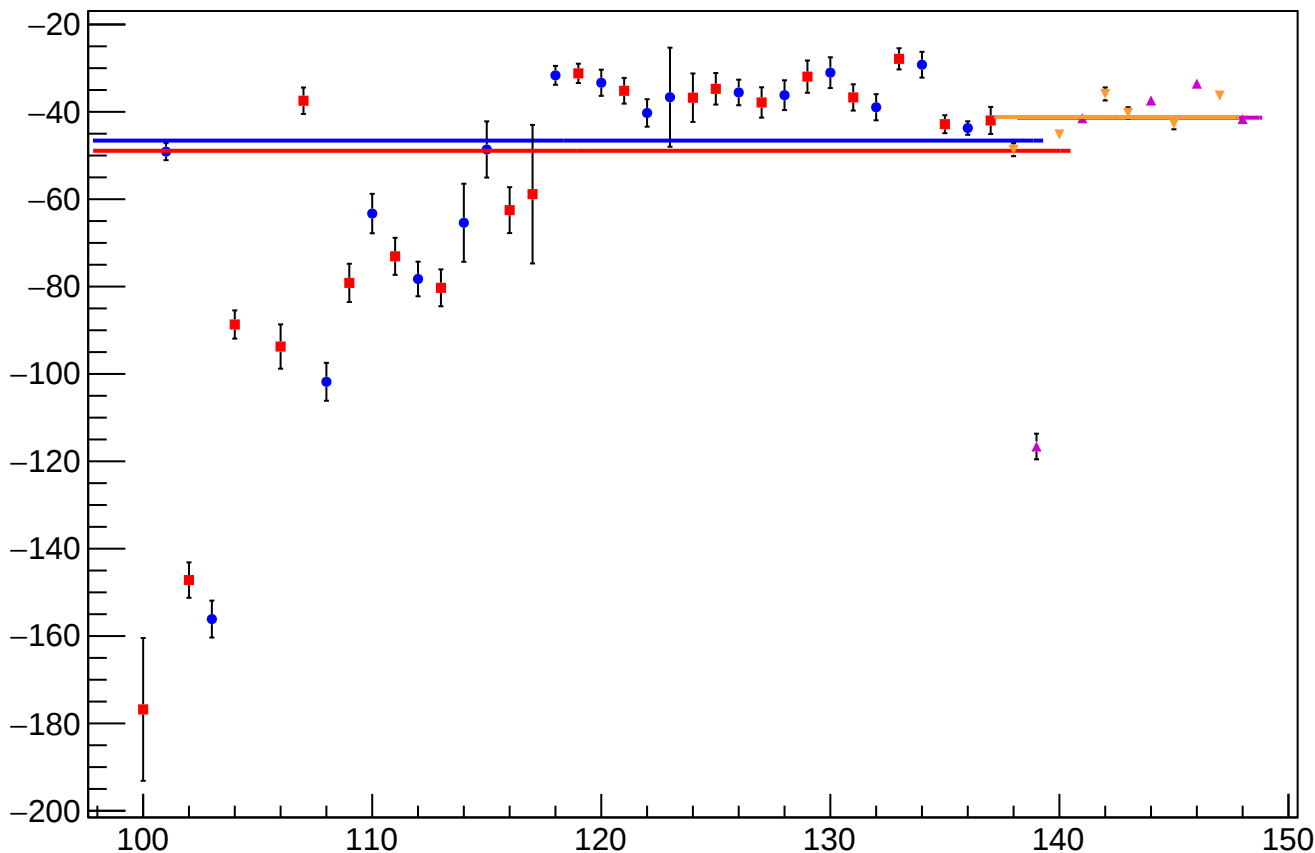
-39.954+/-0.690 χ^2/NDF : 36.5/5

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

-35.033+/-0.765 χ^2/NDF : 87.9/4

Left In: -35.033+/-0.765 χ^2/NDF : 87.9/4

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -41.178 ± 0.505 $\chi^2/\text{NDF}: 76.4/5$

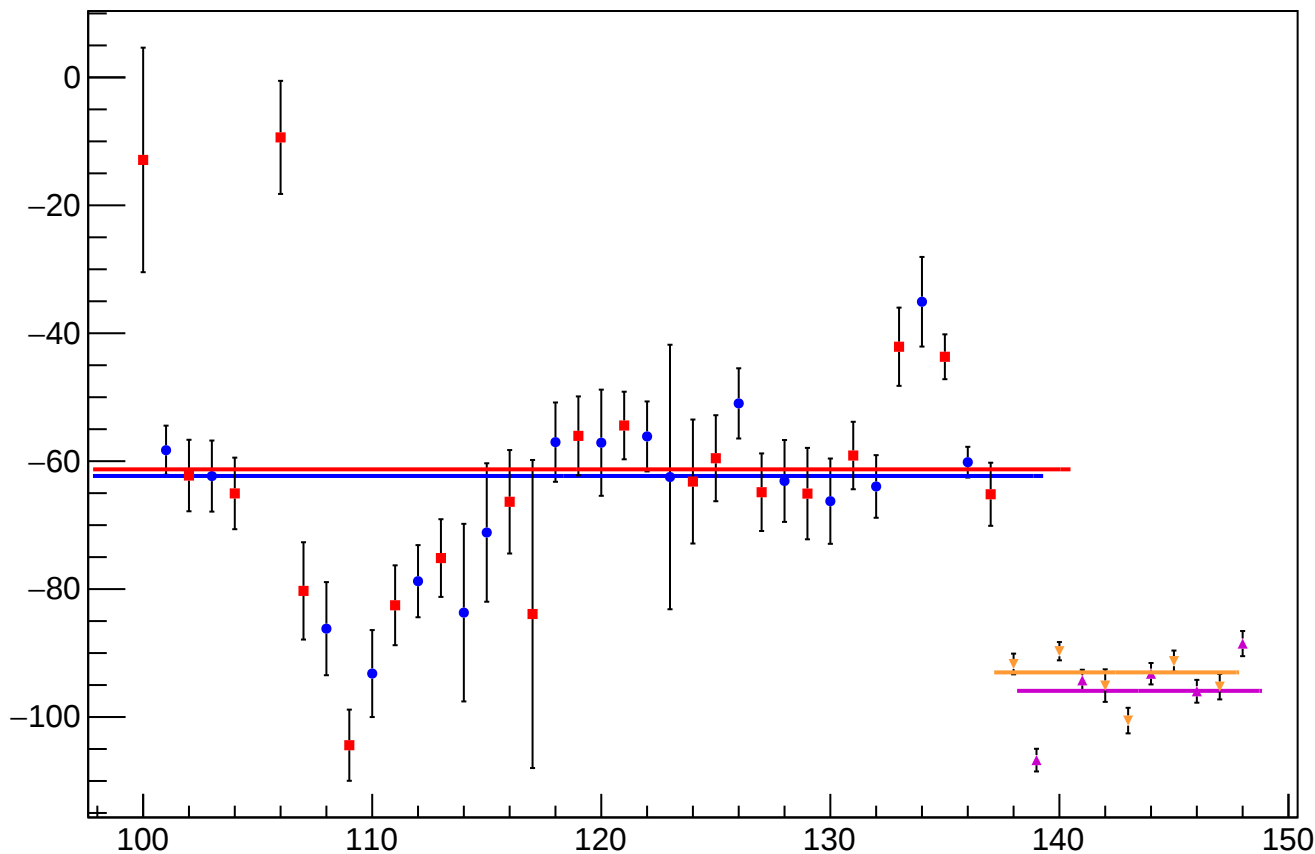
Right Out: -48.911 ± 0.763 $\chi^2/\text{NDF}: 1277.9/19$

Left In: -41.335 ± 0.538 $\chi^2/\text{NDF}: 719.2/4$

-42.925 ± 0.415 $\chi^2/\text{NDF}: 1189.8/22$

-43.856 ± 0.440 $\chi^2/\text{NDF}: 2063.0/24$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -93.022 ± 0.727 $\chi^2/\text{NDF}: 23.3/5$

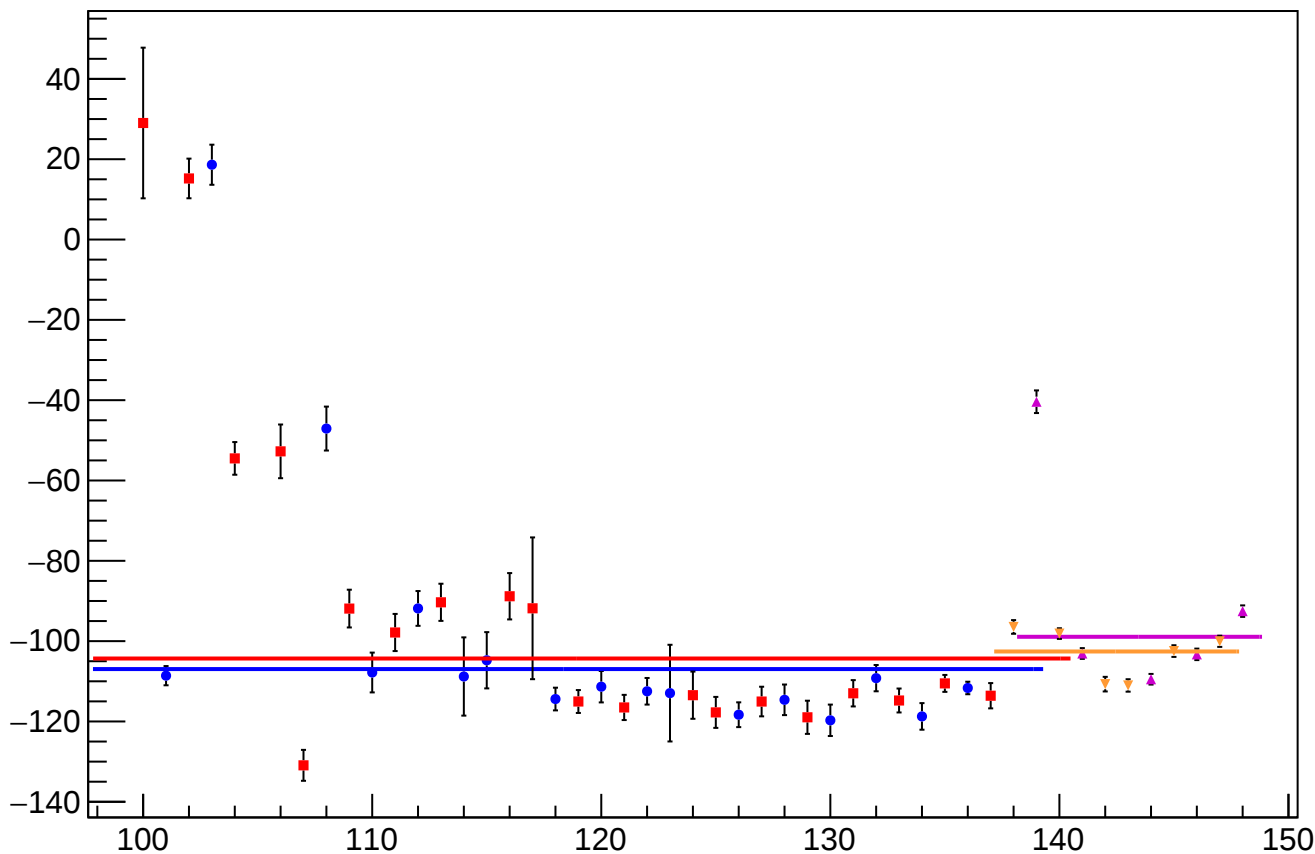
Right Out: -61.277 ± 1.379 $\chi^2/\text{NDF}: 165.9/19$

Left In: -95.909 ± 0.787 $\chi^2/\text{NDF}: 55.0/4$

-85.846 ± 0.636 $\chi^2/\text{NDF}: 507.9/22$

-87.390 ± 0.684 $\chi^2/\text{NDF}: 696.7/24$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954+/-0.817 χ^2/NDF : 827.2/16

Left Out: -102.574+/-0.618 χ^2/NDF : 77.3/5

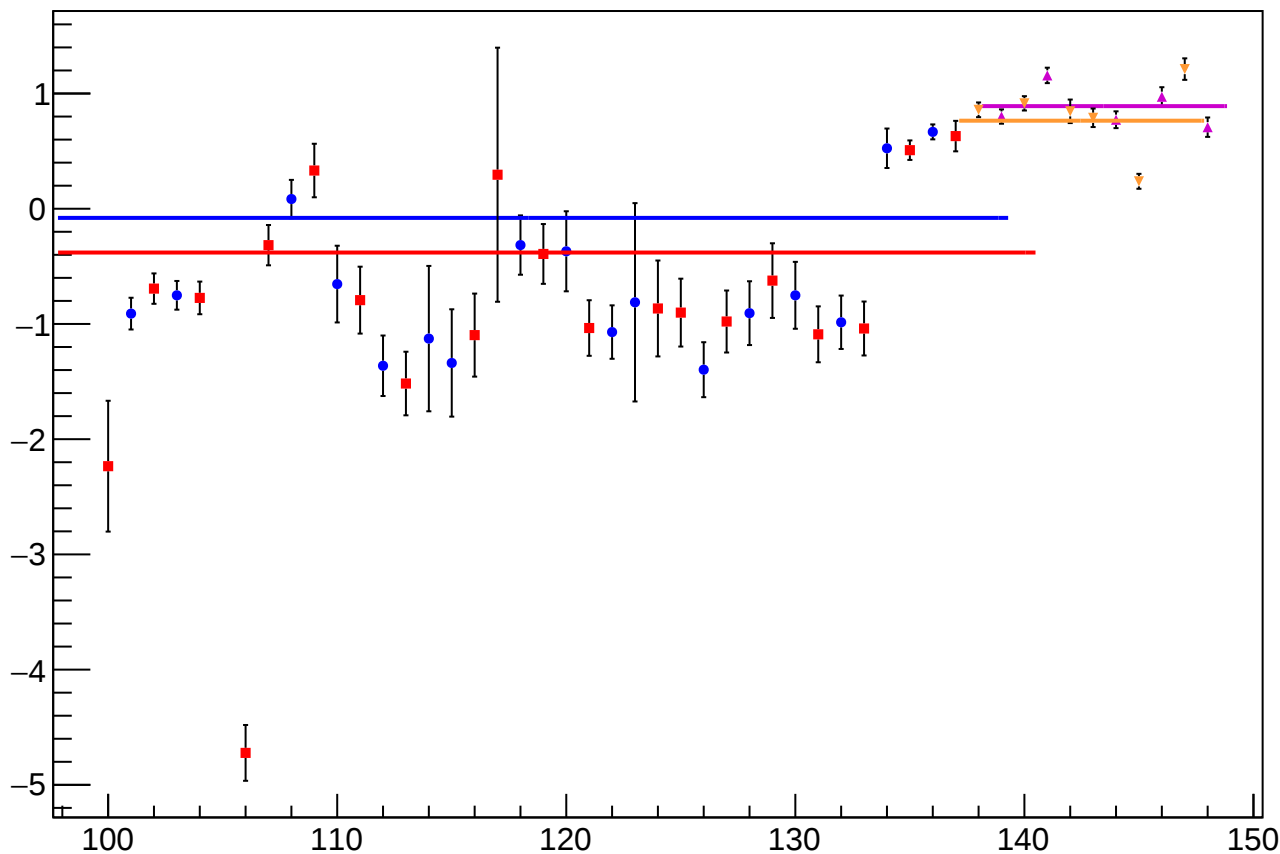
Right Out: -104.326+/-0.860 χ^2/NDF : 1021.5/19

Left In: -98.916+/-0.669 χ^2/NDF : 533.5/4

-104.168+/-0.493 χ^2/NDF : 922.8/22

-100.956+/-0.528 χ^2/NDF : 1579.6/24

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.764 ± 0.030 χ^2/NDF : 97.6/5

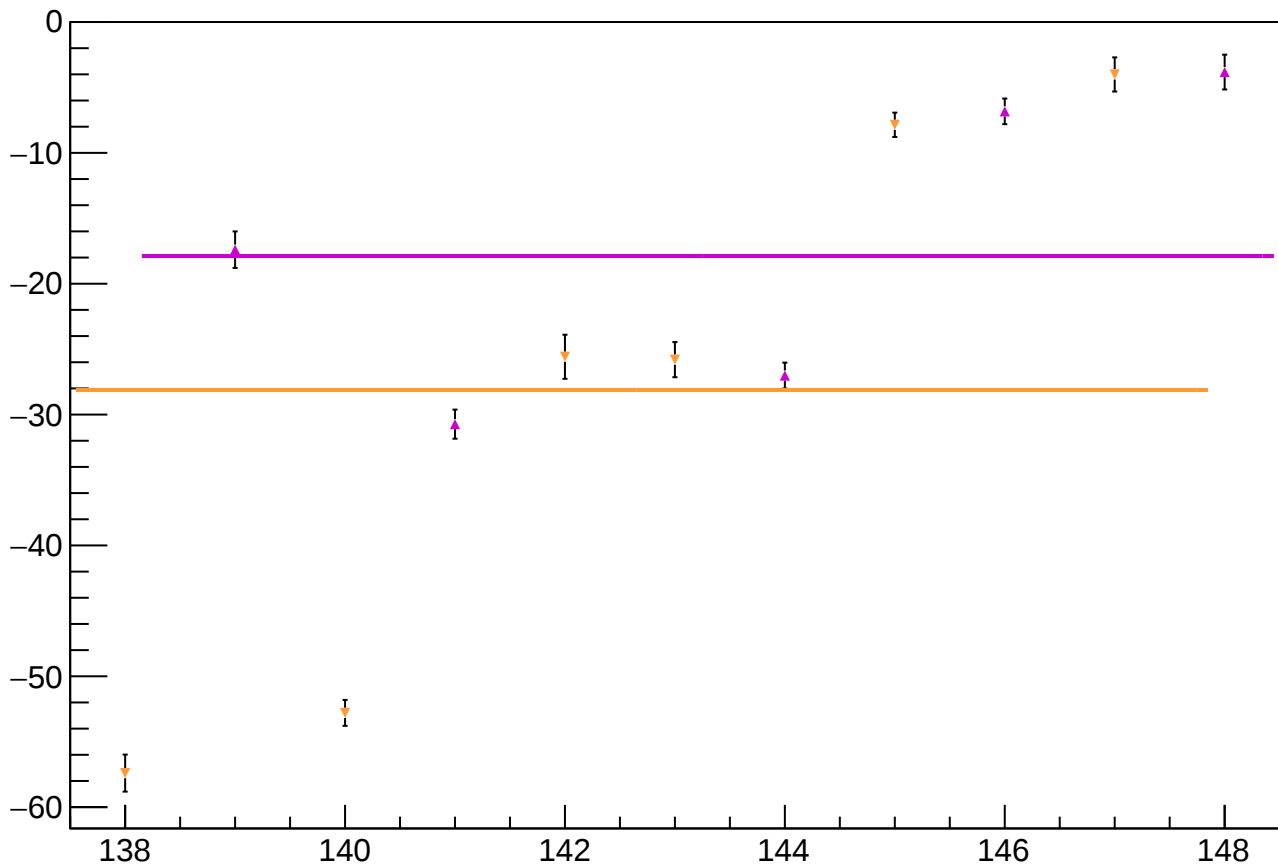
Right Out: -0.380 ± 0.044 χ^2/NDF : 580.9/19

Left In: 0.891 ± 0.032 χ^2/NDF : 26.3/4

0.481 ± 0.024 χ^2/NDF : 690.7/22

0.445 ± 0.026 χ^2/NDF : 1149.2/24

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -28.119+/-0.490 χ^2/NDF : 1871.3/5

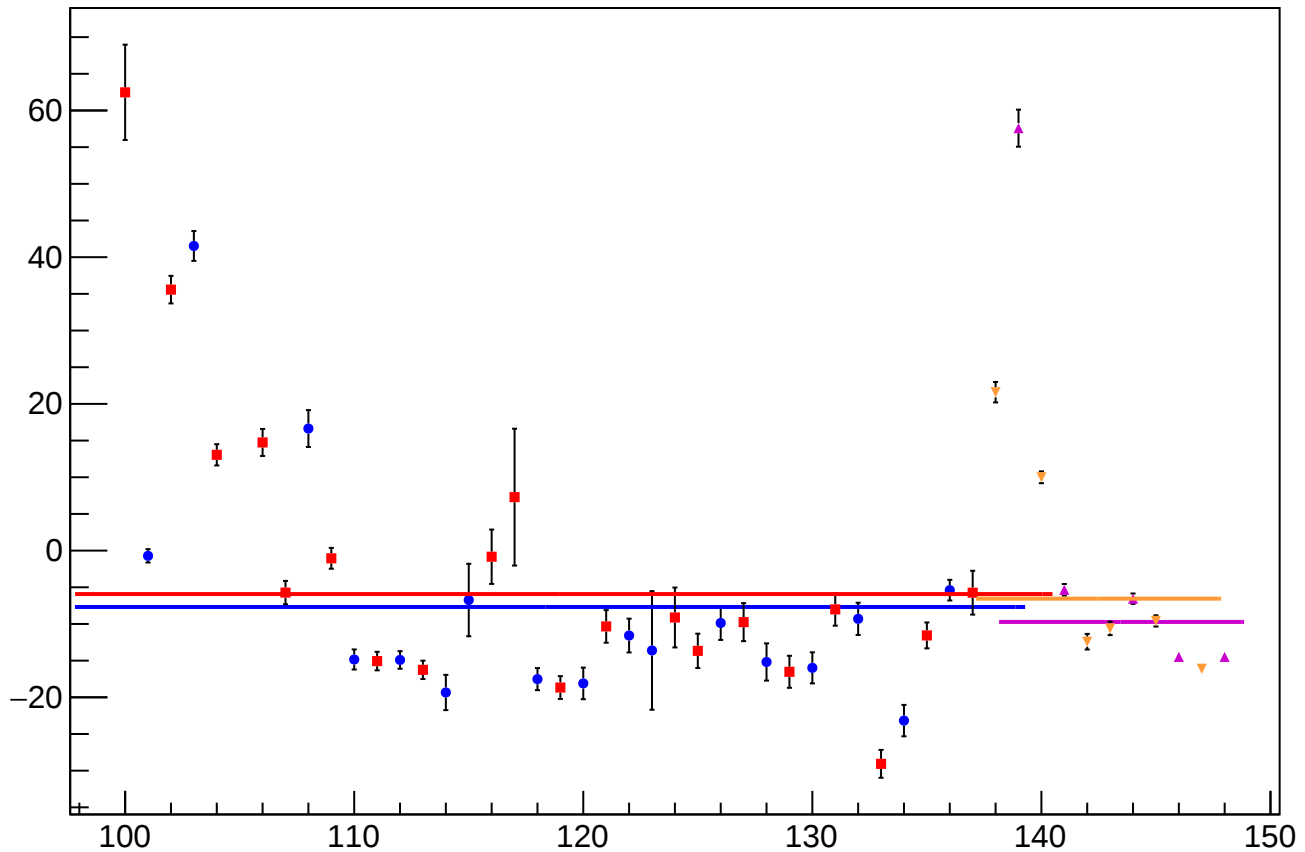
-28.119+/-0.490 χ^2/NDF : 1871.3/5

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

-17.883+/-0.503 χ^2/NDF : 457.8/4

Left In: -17.883+/-0.503 χ^2/NDF : 457.8/4

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -6.549 ± 0.345 χ^2/NDF : 1127.7/5

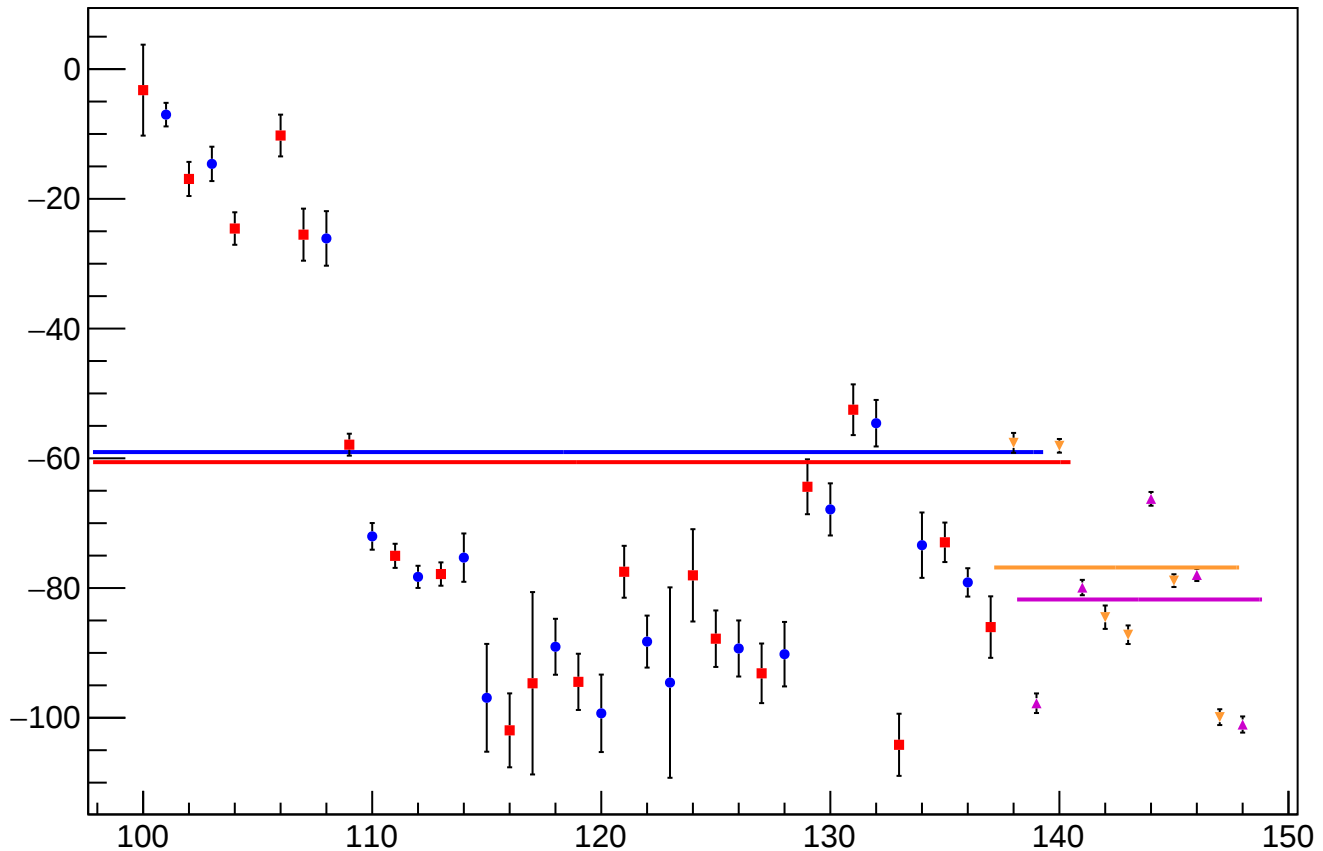
Right Out: -5.925 ± 0.428 χ^2/NDF : 1300.1/19

Left In: -9.724 ± 0.338 χ^2/NDF : 874.2/4

-6.995 ± 0.269 χ^2/NDF : 2107.9/22

-8.268 ± 0.265 χ^2/NDF : 2222.8/24

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -76.831 ± 0.511 χ^2/NDF : 906.2/5

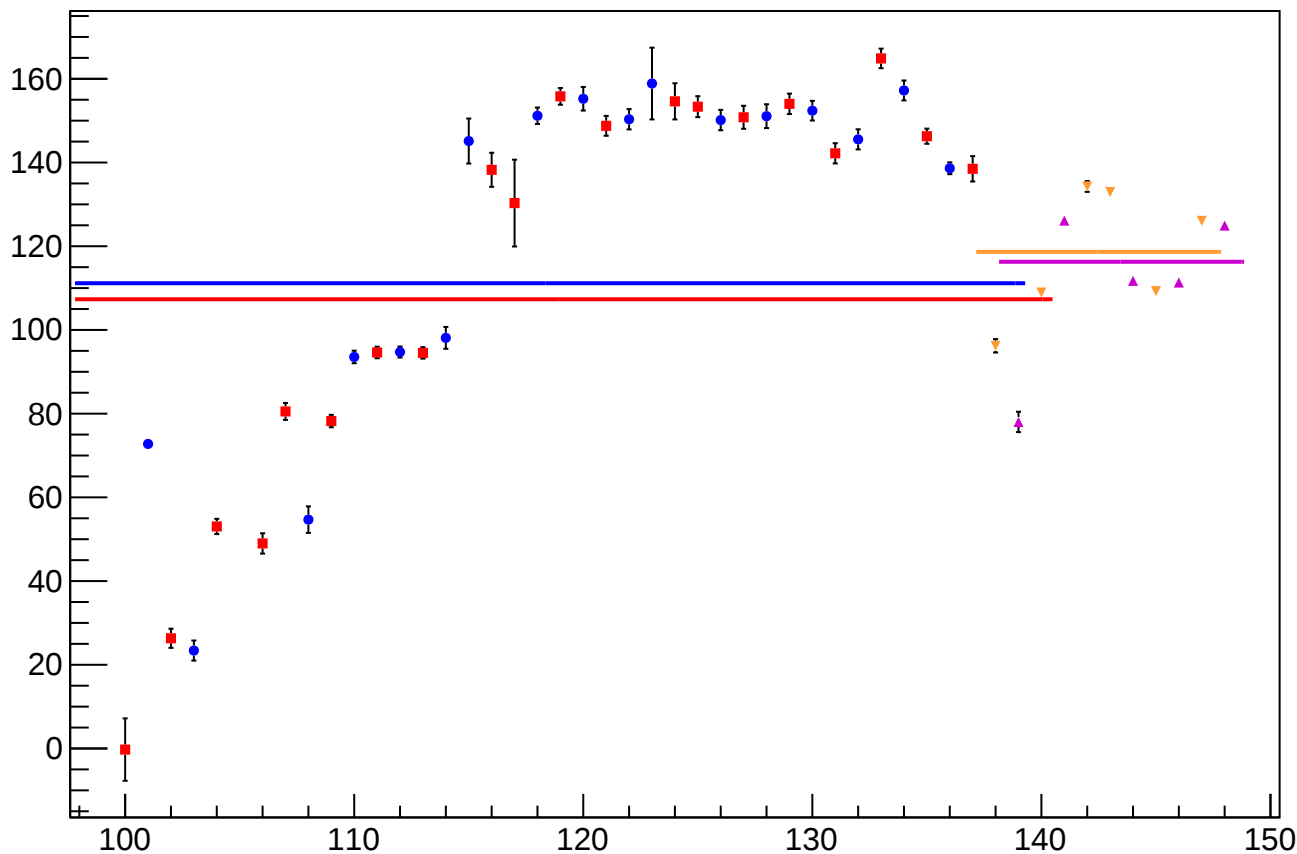
Right Out: -60.593 ± 0.704 χ^2/NDF : 1390.7/19

Left In: -81.765 ± 0.512 χ^2/NDF : 584.1/4

-71.141 ± 0.422 χ^2/NDF : 3003.0/22

-74.436 ± 0.414 χ^2/NDF : 2567.0/24

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 118.659 $\pm$ 0.426 χ^2 /NDF: 798.3/5

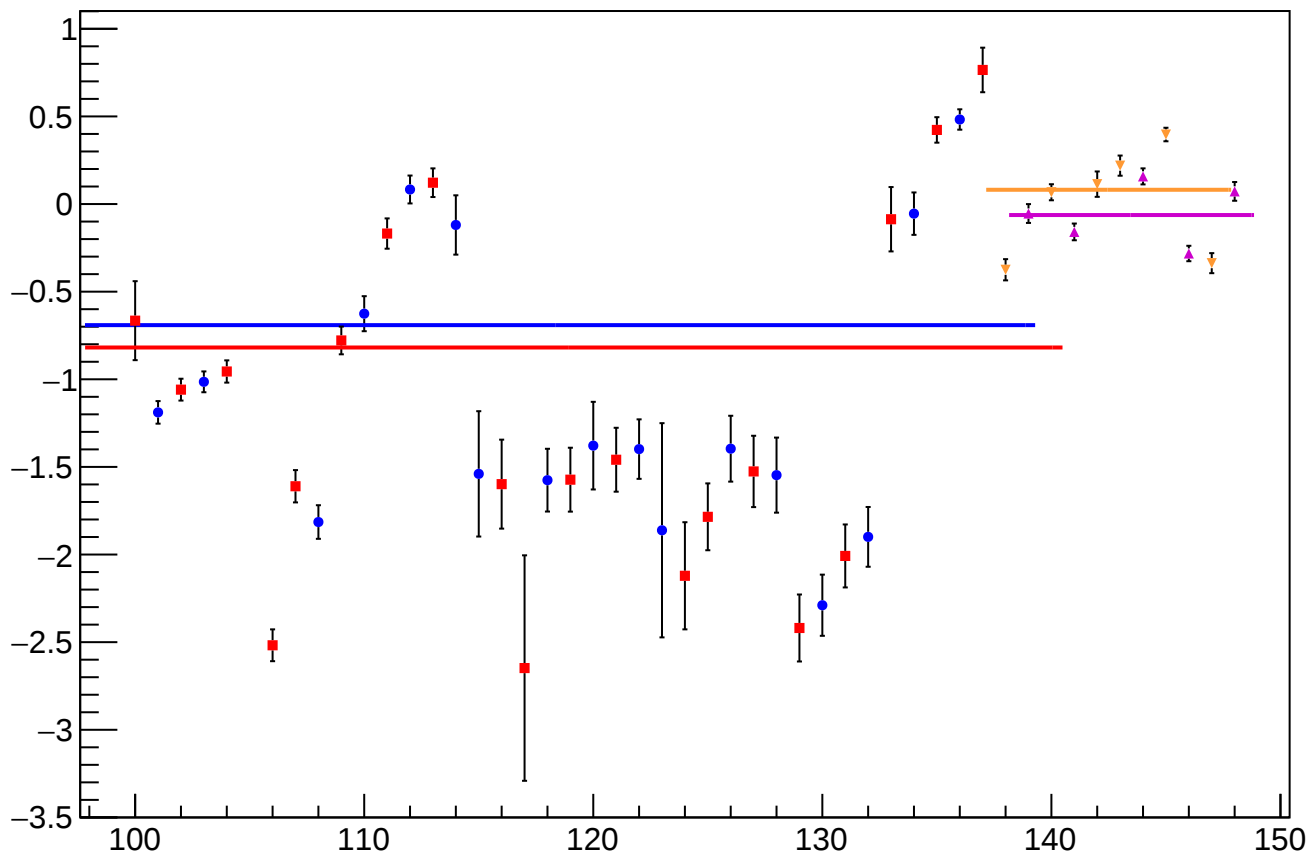
Right Out: 107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

Left In: 116.286 $\pm$ 0.422 χ^2 /NDF: 515.9/4

115.427 $\pm$ 0.321 χ^2 /NDF: 6809.8/22

112.445 $\pm$ 0.319 χ^2 /NDF: 7768.7/24

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: 0.081 ± 0.021 χ^2/NDF : 183.1/5

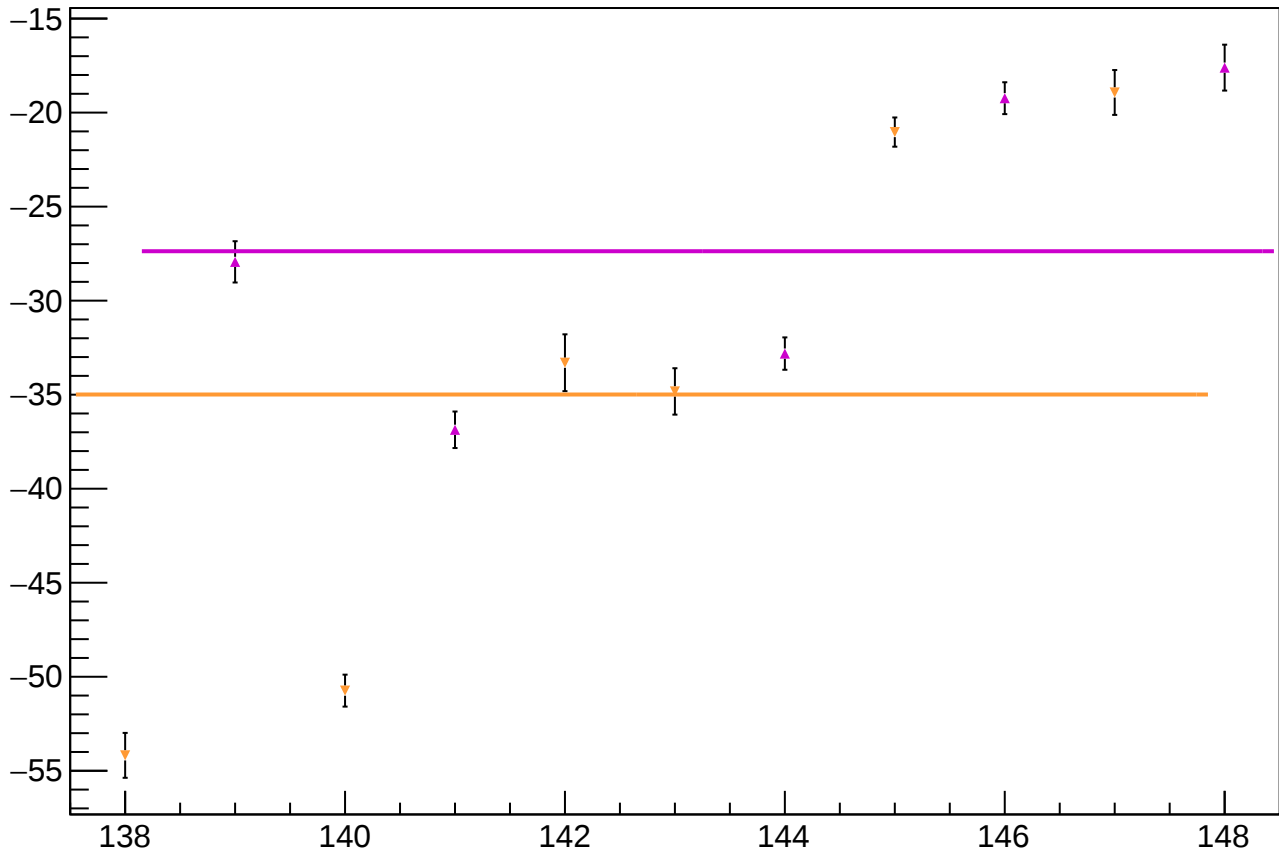
Right Out: -0.819 ± 0.024 χ^2/NDF : 1312.5/19

Left In: -0.063 ± 0.022 χ^2/NDF : 58.6/4

-0.230 ± 0.016 χ^2/NDF : 1708.0/22

-0.397 ± 0.016 χ^2/NDF : 1908.8/24

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.991+/-0.425 χ^2/NDF : 1107.1/5

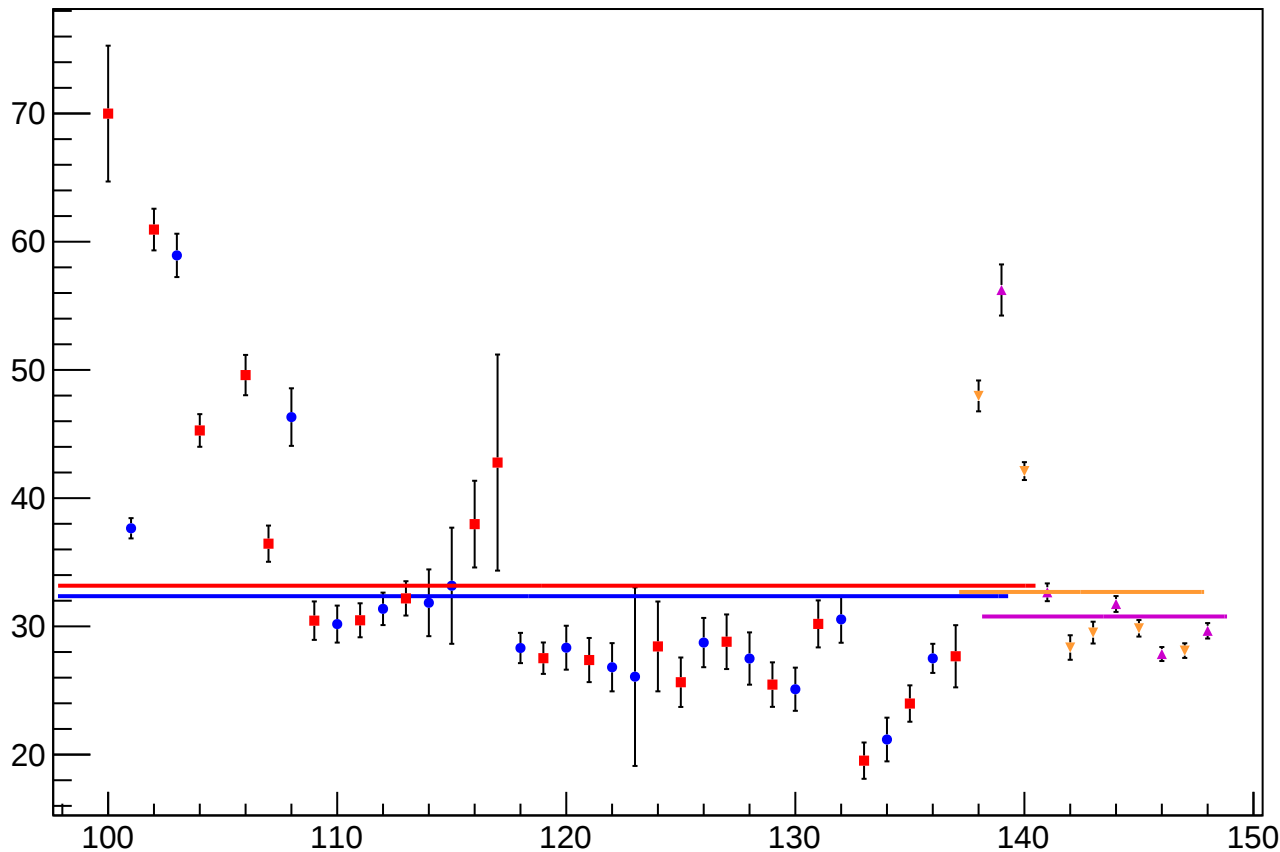
-34.991+/-0.425 χ^2/NDF : 1107.1/5

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

Left In: -27.372+/-0.434 χ^2/NDF : 292.2/4

-27.372+/-0.434 χ^2/NDF : 292.2/4

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355+/-0.375 χ^2/NDF : 450.5/16

Left Out: 32.685+/-0.306 χ^2/NDF : 461.6/5

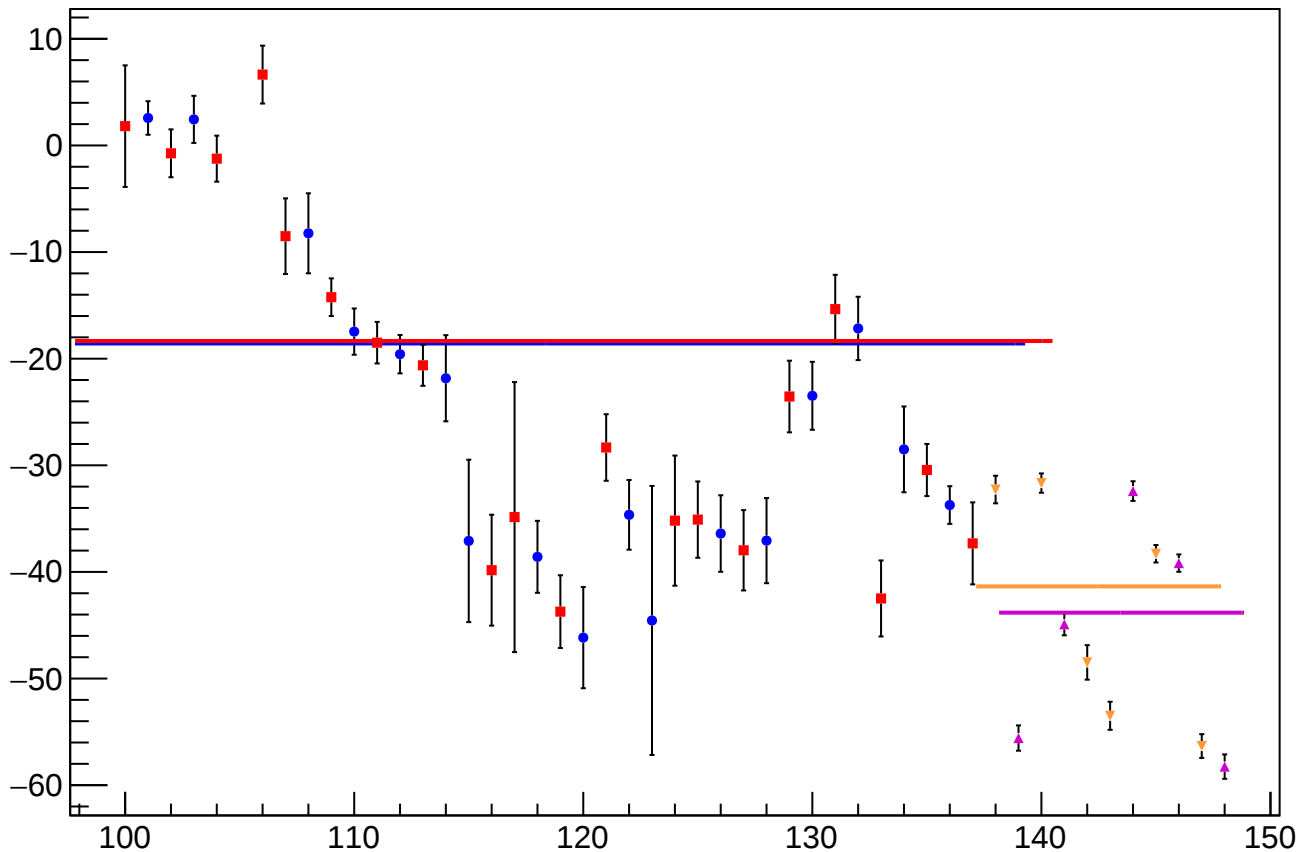
Right Out: 33.172+/-0.378 χ^2/NDF : 773.3/19

Left In: 30.771+/-0.301 χ^2/NDF : 205.2/4

32.553+/-0.237 χ^2/NDF : 912.5/22

31.700+/-0.235 χ^2/NDF : 1003.1/24

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 $\chi^2/\text{NDF}: 511.5/16$

Left Out: -41.356 ± 0.444 $\chi^2/\text{NDF}: 462.8/5$

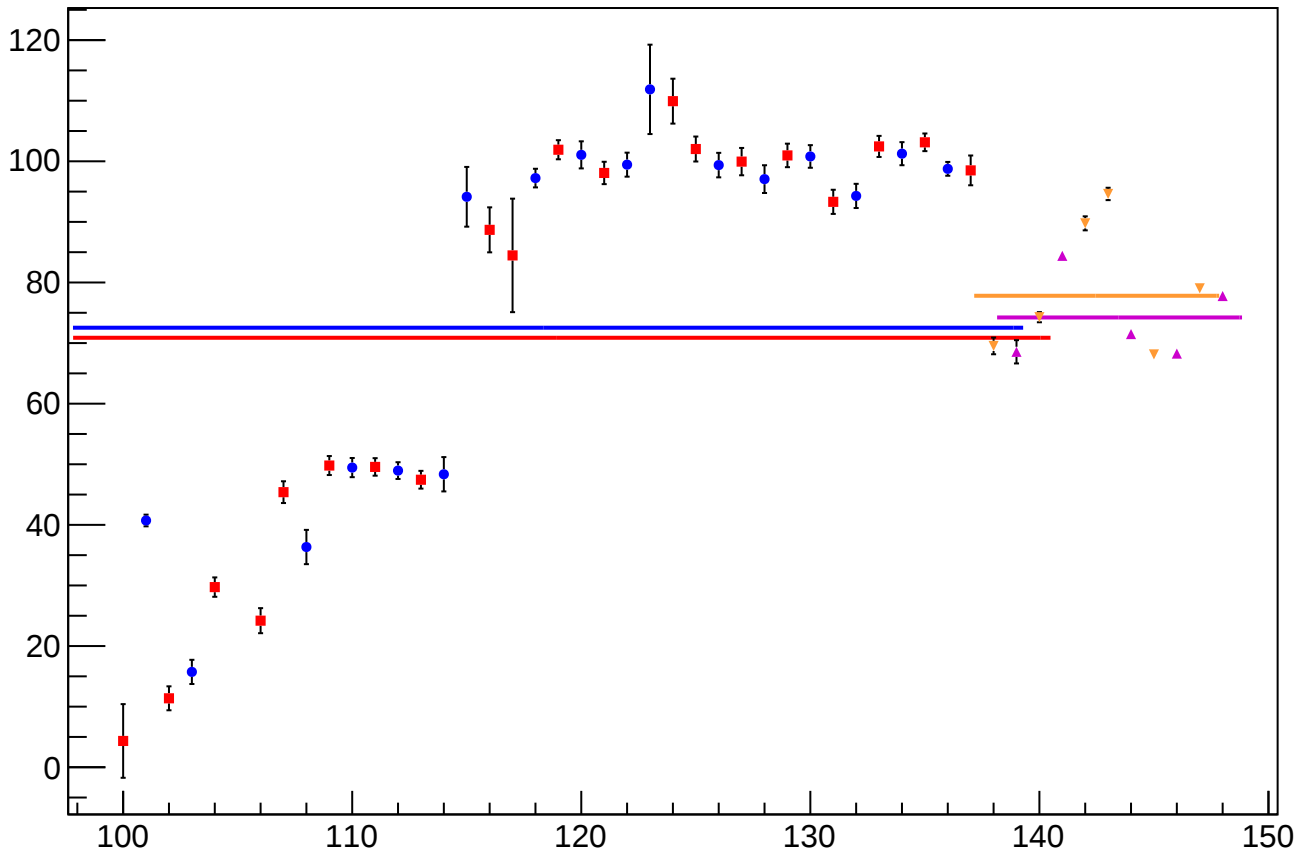
Right Out: -18.343 ± 0.643 $\chi^2/\text{NDF}: 475.1/19$

Left In: -43.822 ± 0.443 $\chi^2/\text{NDF}: 444.0/4$

-34.365 ± 0.370 $\chi^2/\text{NDF}: 1782.0/22$

-35.620 ± 0.365 $\chi^2/\text{NDF}: 1983.8/24$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 77.809+/-0.375 χ^2/NDF : 605.3/5

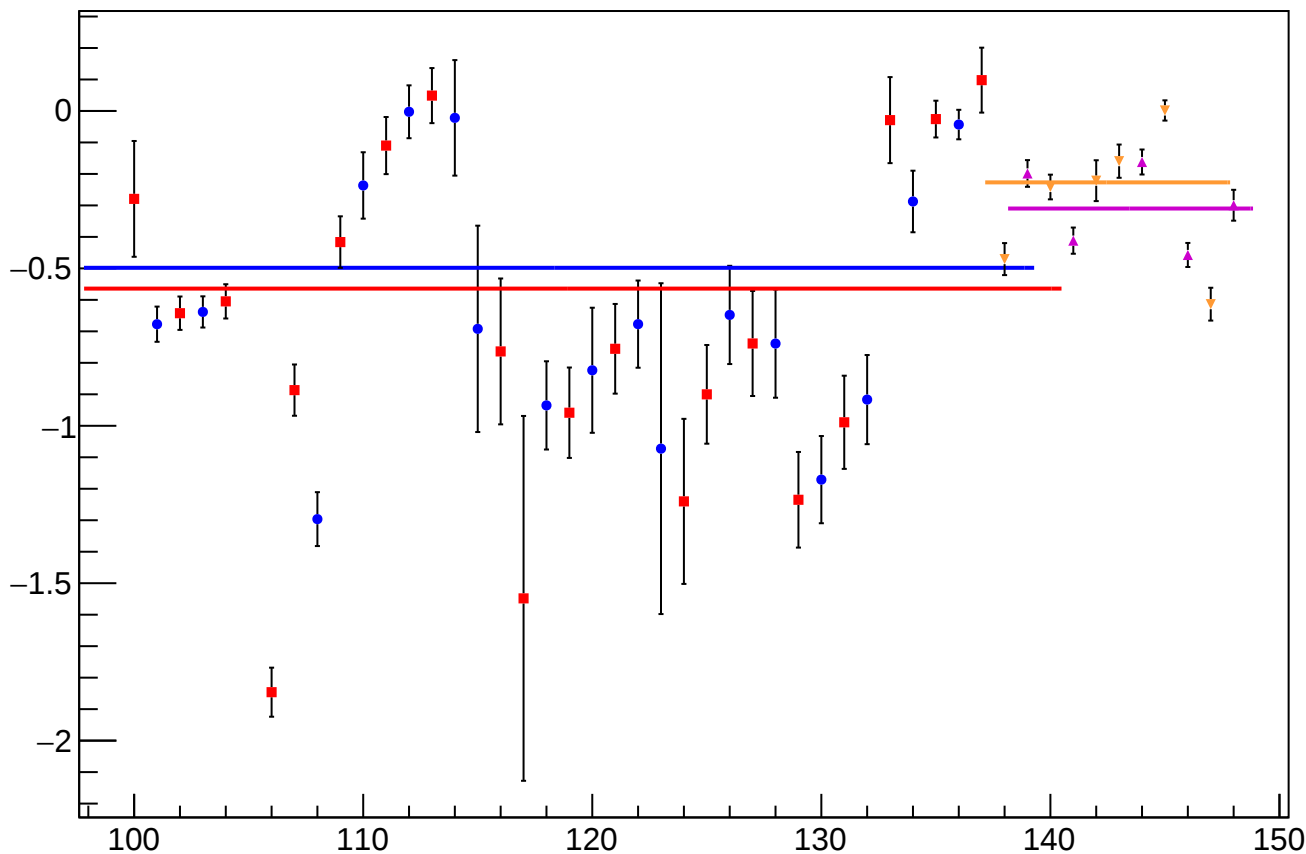
Right Out: 70.878+/-0.433 χ^2/NDF : 5502.3/19

Left In: 74.227+/-0.372 χ^2/NDF : 267.9/4

75.521+/-0.282 χ^2/NDF : 5375.2/22

72.803+/-0.282 χ^2/NDF : 5804.6/24

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.227 ± 0.018 χ^2/NDF : 130.2/5

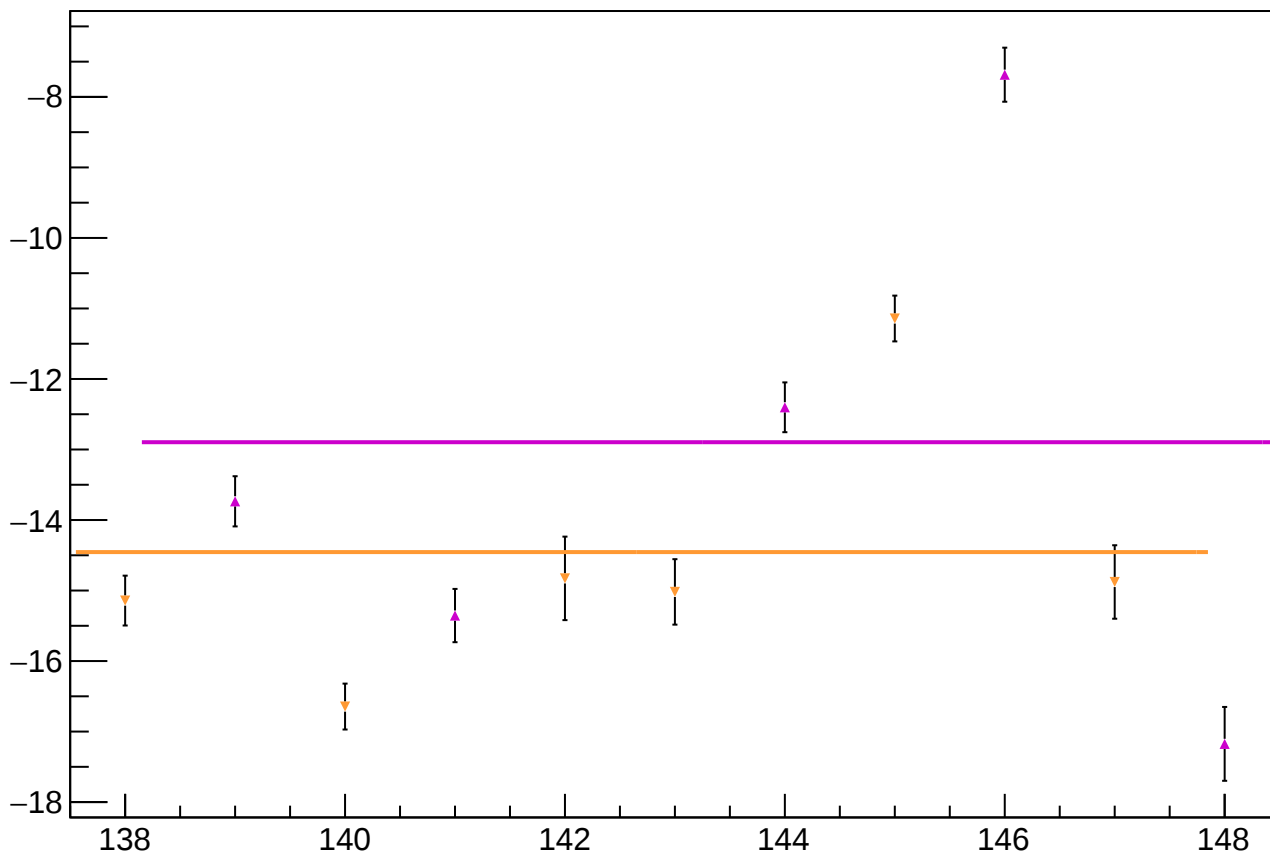
Right Out: -0.564 ± 0.021 χ^2/NDF : 563.6/19

Left In: -0.310 ± 0.019 χ^2/NDF : 41.7/4

-0.336 ± 0.014 χ^2/NDF : 521.1/22

-0.420 ± 0.014 χ^2/NDF : 685.6/24

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



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

Left Out: -14.455+/-0.162 χ^2/NDF : 155.7/5

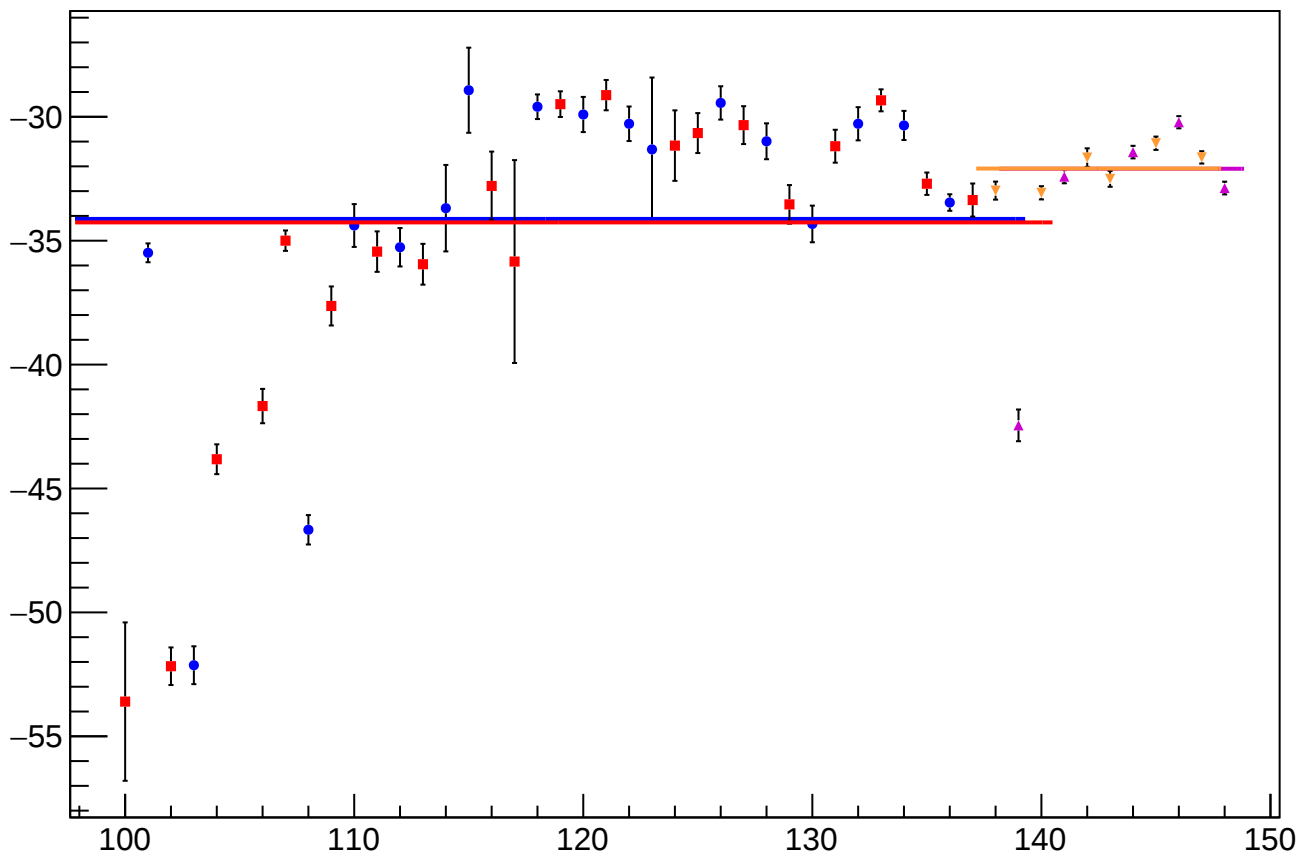
-14.455+/-0.162 χ^2/NDF : 155.7/5

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

Left In: -12.897+/-0.173 χ^2/NDF : 301.5/4

-12.897+/-0.173 χ^2/NDF : 301.5/4

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 $\pm$ 0.152 χ^2/NDF : 1322.4/16

Left Out: -32.088 $\pm$ 0.121 χ^2/NDF : 40.1/5

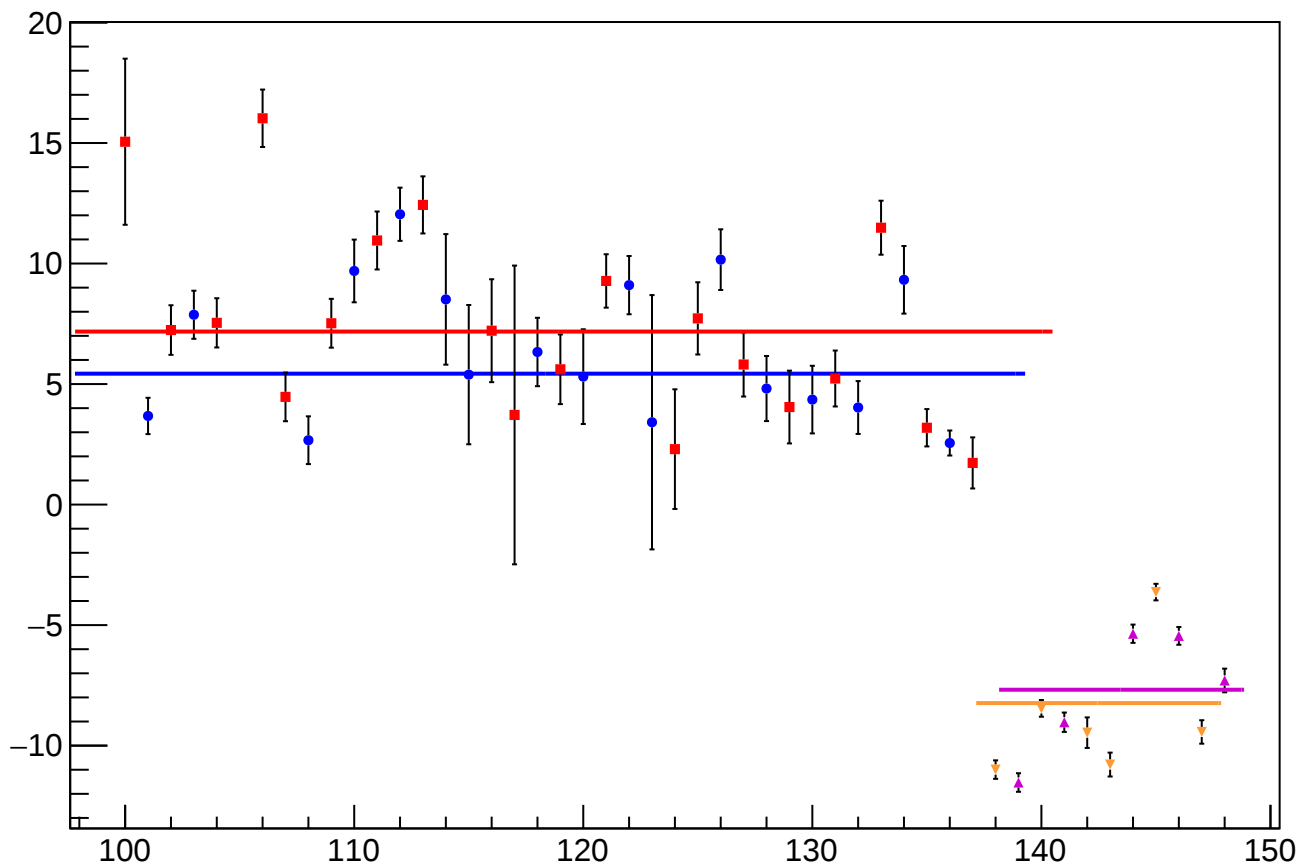
Right Out: -34.262 $\pm$ 0.151 χ^2/NDF : 1355.1/19

Left In: -32.097 $\pm$ 0.126 χ^2/NDF : 337.1/4

-32.879 $\pm$ 0.095 χ^2/NDF : 1472.1/22

-32.987 $\pm$ 0.097 χ^2/NDF : 1813.7/24

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -8.235 ± 0.170 χ^2/NDF : 268.7/5

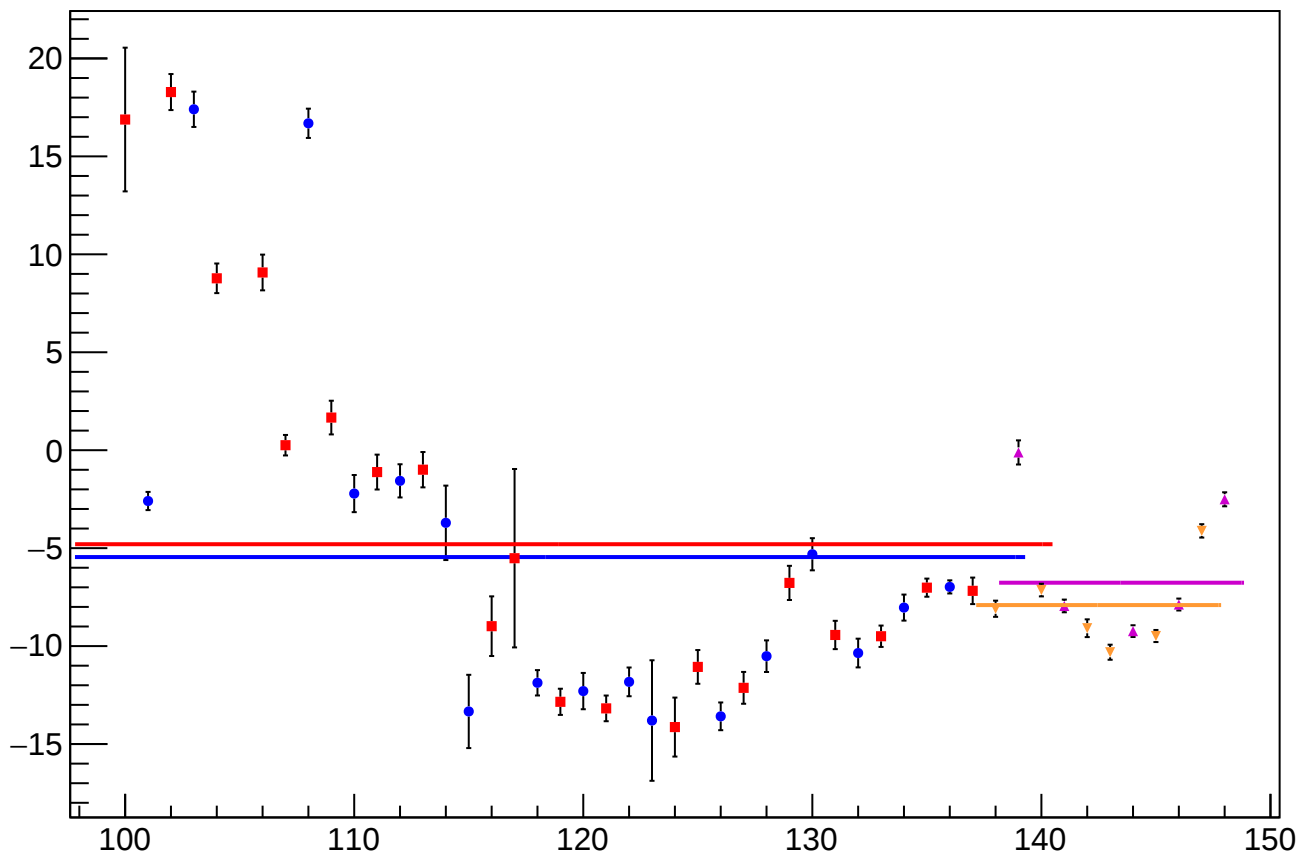
Right Out: 7.178 ± 0.274 χ^2/NDF : 182.4/19

Left In: -7.681 ± 0.178 χ^2/NDF : 186.2/4

-4.348 ± 0.144 χ^2/NDF : 2228.5/22

-3.263 ± 0.149 χ^2/NDF : 2432.6/24

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455+/-0.171 χ^2/NDF : 2096.5/16

Left Out: -7.906+/-0.147 χ^2/NDF : 200.7/5

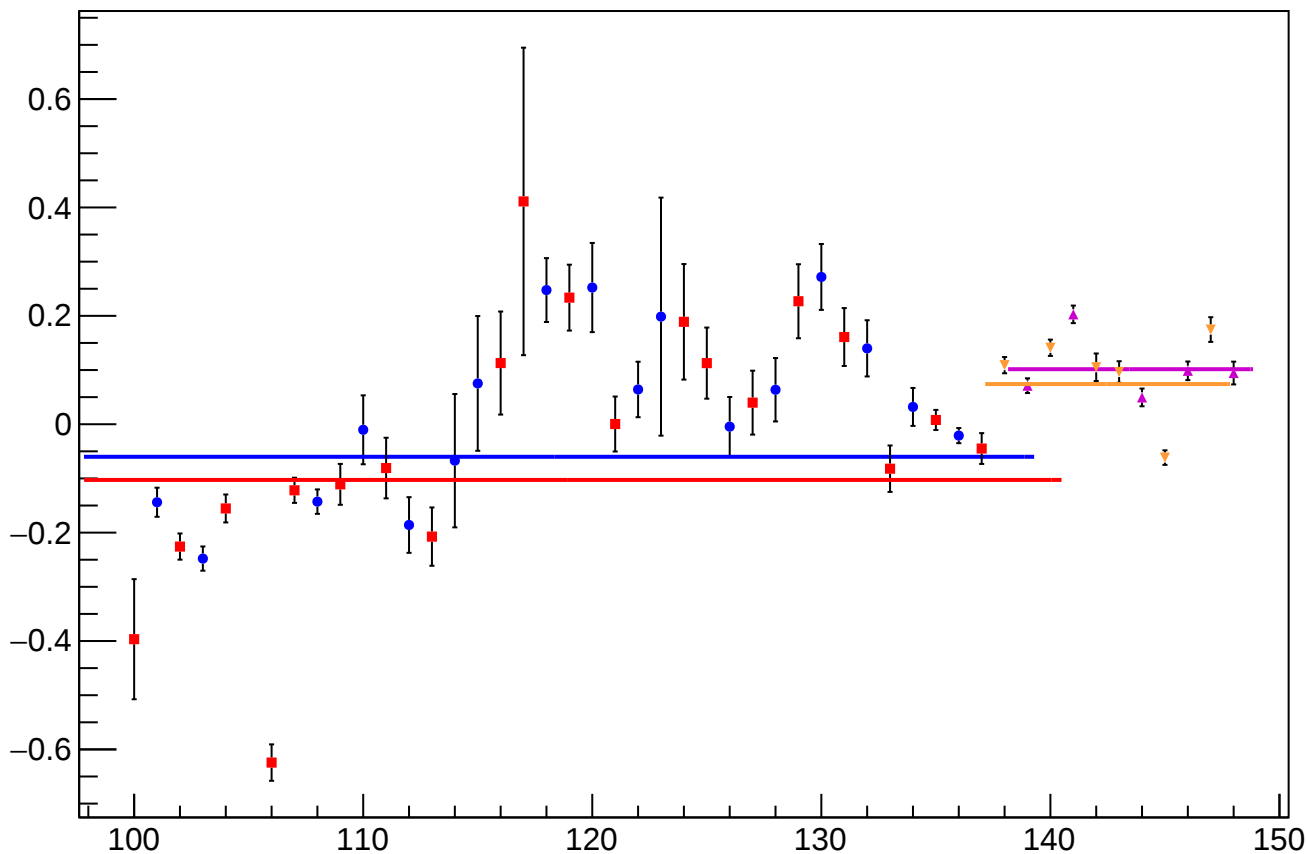
Right Out: -4.799+/-0.173 χ^2/NDF : 2047.5/19

Left In: -6.765+/-0.155 χ^2/NDF : 352.6/4

-6.862+/-0.112 χ^2/NDF : 2415.3/22

-5.891+/-0.115 χ^2/NDF : 2471.9/24

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 $\pm$ 0.008 χ^2/NDF : 215.5/16

Left Out: 0.074 $\pm$ 0.007 χ^2/NDF : 149.3/5

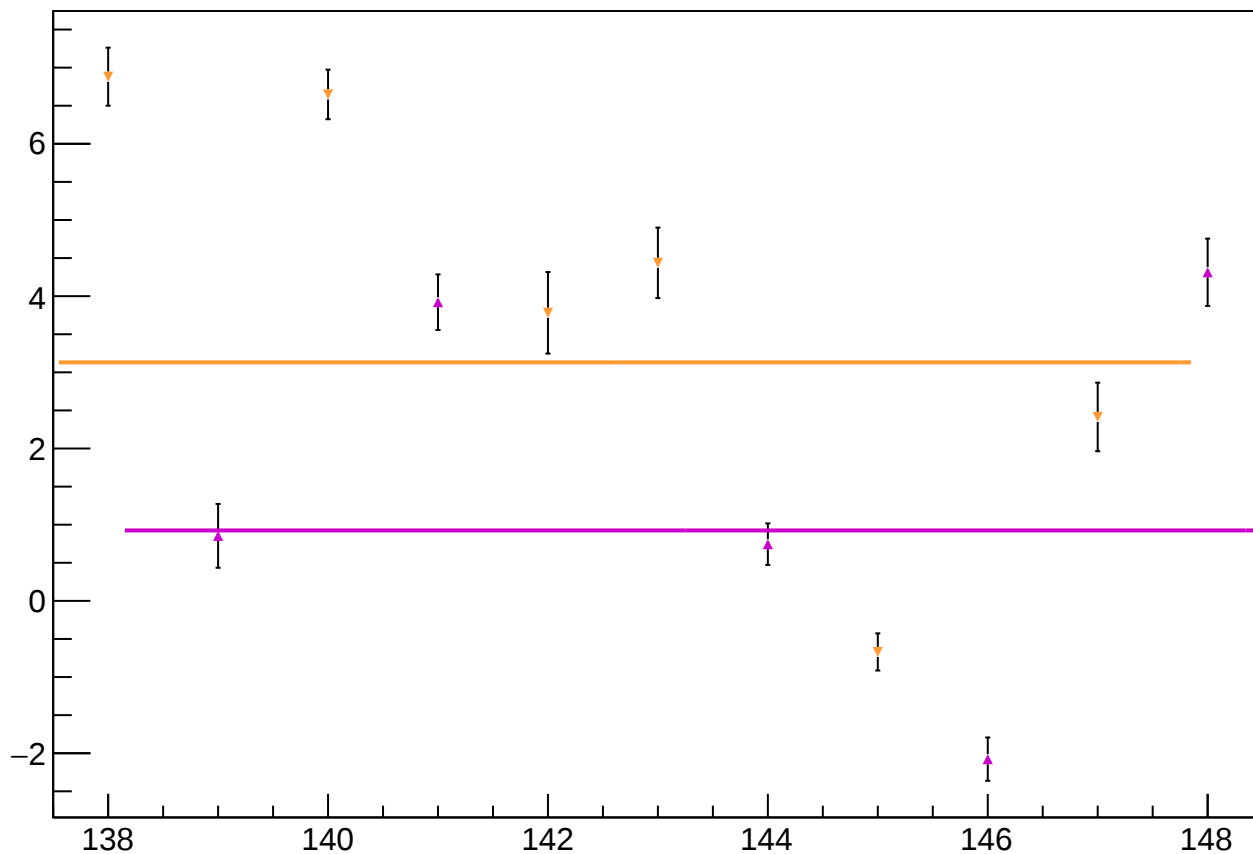
Right Out: -0.103 $\pm$ 0.008 χ^2/NDF : 437.6/19

Left In: 0.102 $\pm$ 0.007 χ^2/NDF : 54.4/4

0.019 $\pm$ 0.005 χ^2/NDF : 515.4/22

0.014 $\pm$ 0.006 χ^2/NDF : 826.4/24

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: 3.131 $\pm$ 0.147 χ^2 /NDF: 468.7/5

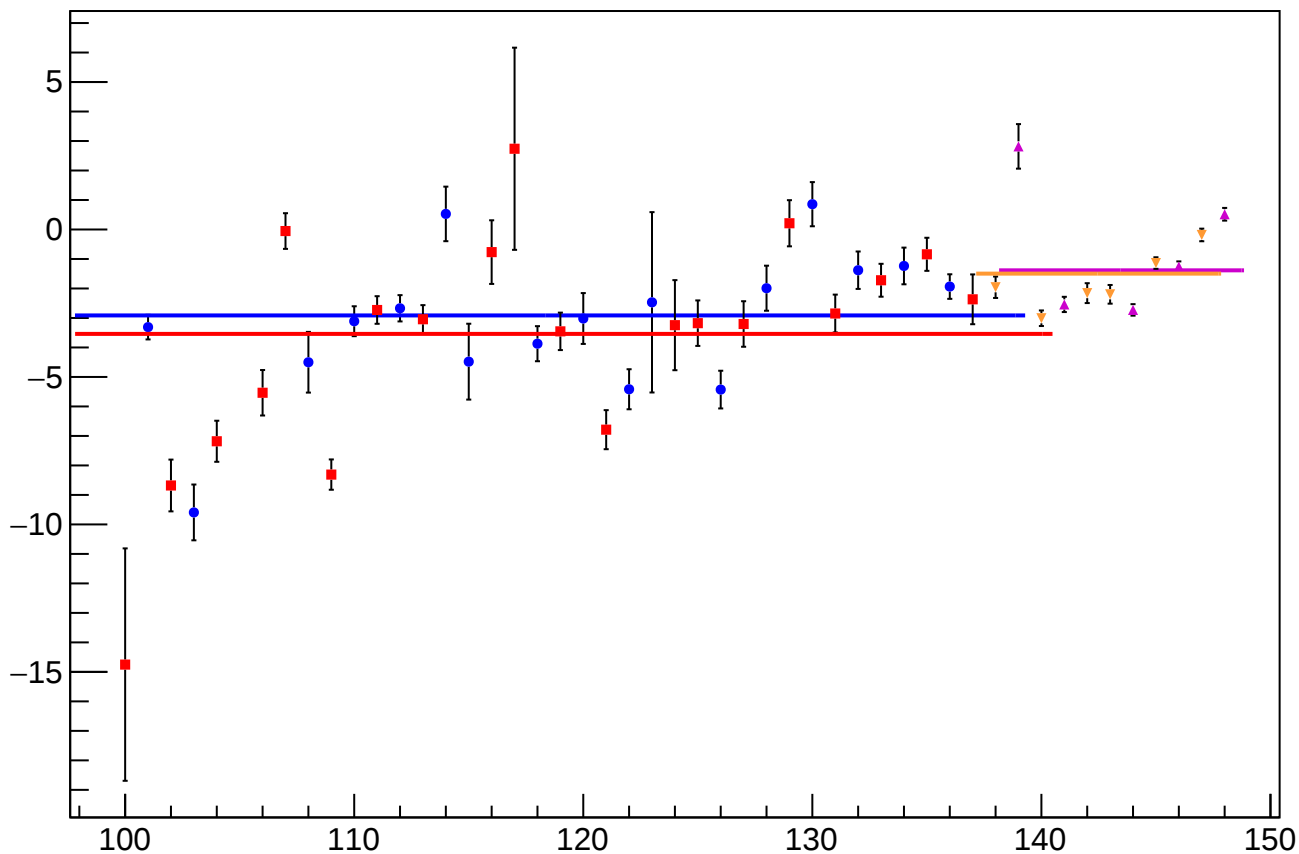
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.924 $\pm$ 0.150 χ^2 /NDF: 238.2/4

3.131 $\pm$ 0.147 χ^2 /NDF: 468.7/5

0.924 $\pm$ 0.150 χ^2 /NDF: 238.2/4

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.155 $\chi^2/\text{NDF}: 146.1/16$

Left Out: -1.496 ± 0.106 $\chi^2/\text{NDF}: 84.2/5$

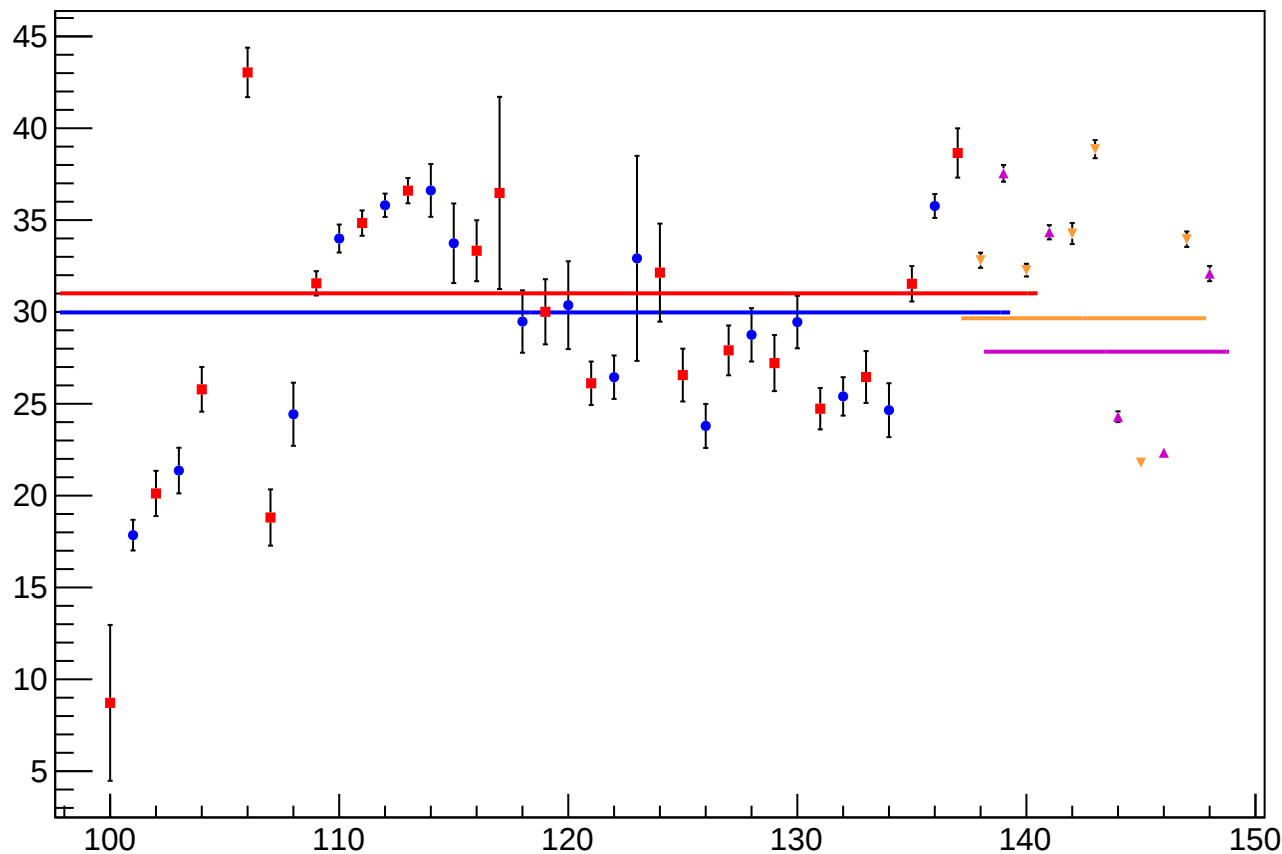
Right Out: -3.540 ± 0.154 $\chi^2/\text{NDF}: 294.2/19$

Left In: -1.385 ± 0.101 $\chi^2/\text{NDF}: 176.8/4$

-1.950 ± 0.088 $\chi^2/\text{NDF}: 287.2/22$

-2.033 ± 0.085 $\chi^2/\text{NDF}: 607.2/24$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 29.654 ± 0.155 $\chi^2/\text{NDF}: 1549.2/5$

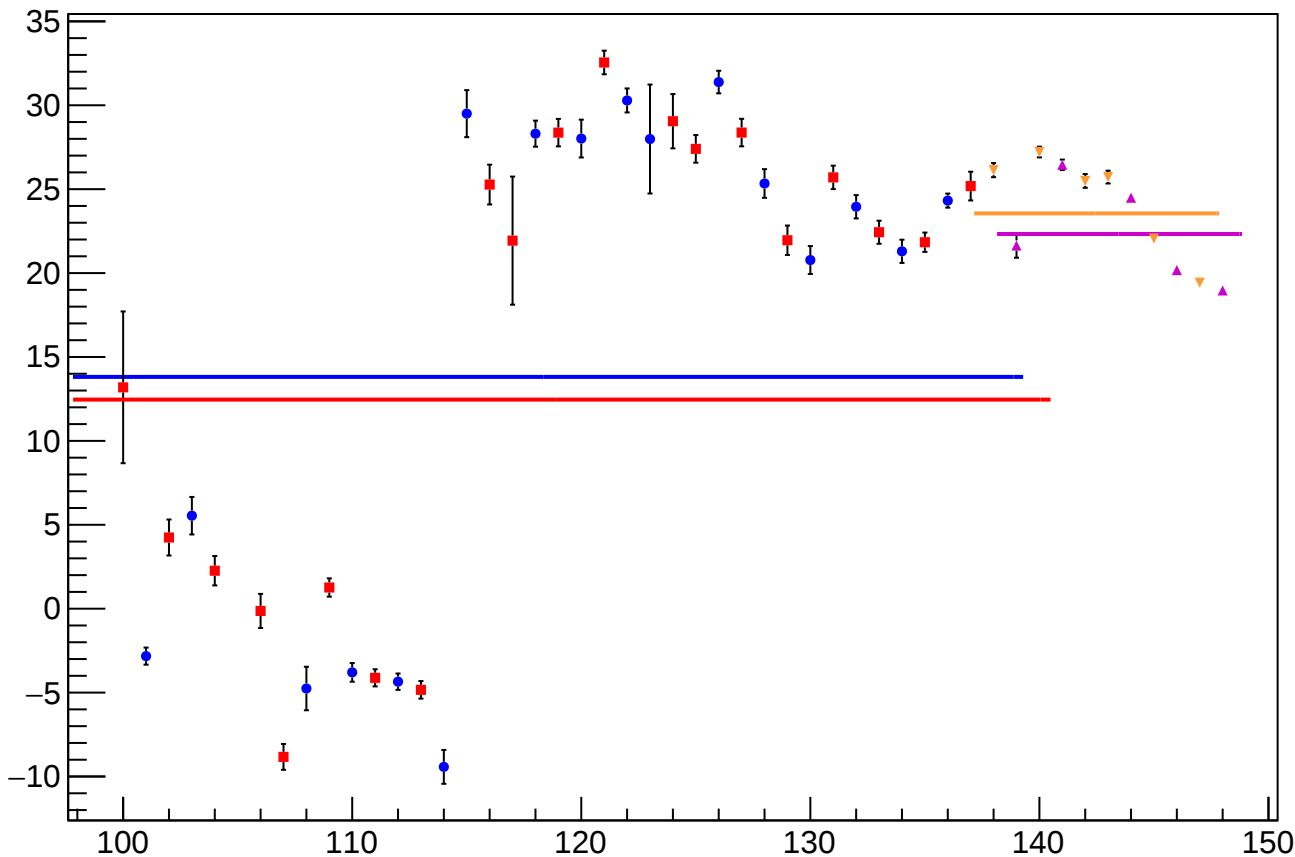
Right Out: 31.013 ± 0.260 $\chi^2/\text{NDF}: 480.6/19$

Left In: 27.836 ± 0.153 $\chi^2/\text{NDF}: 1397.2/4$

29.734 ± 0.134 $\chi^2/\text{NDF}: 2104.6/22$

28.658 ± 0.132 $\chi^2/\text{NDF}: 1988.6/24$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 23.556 $\pm$ 0.130 χ^2 /NDF: 463.4/5

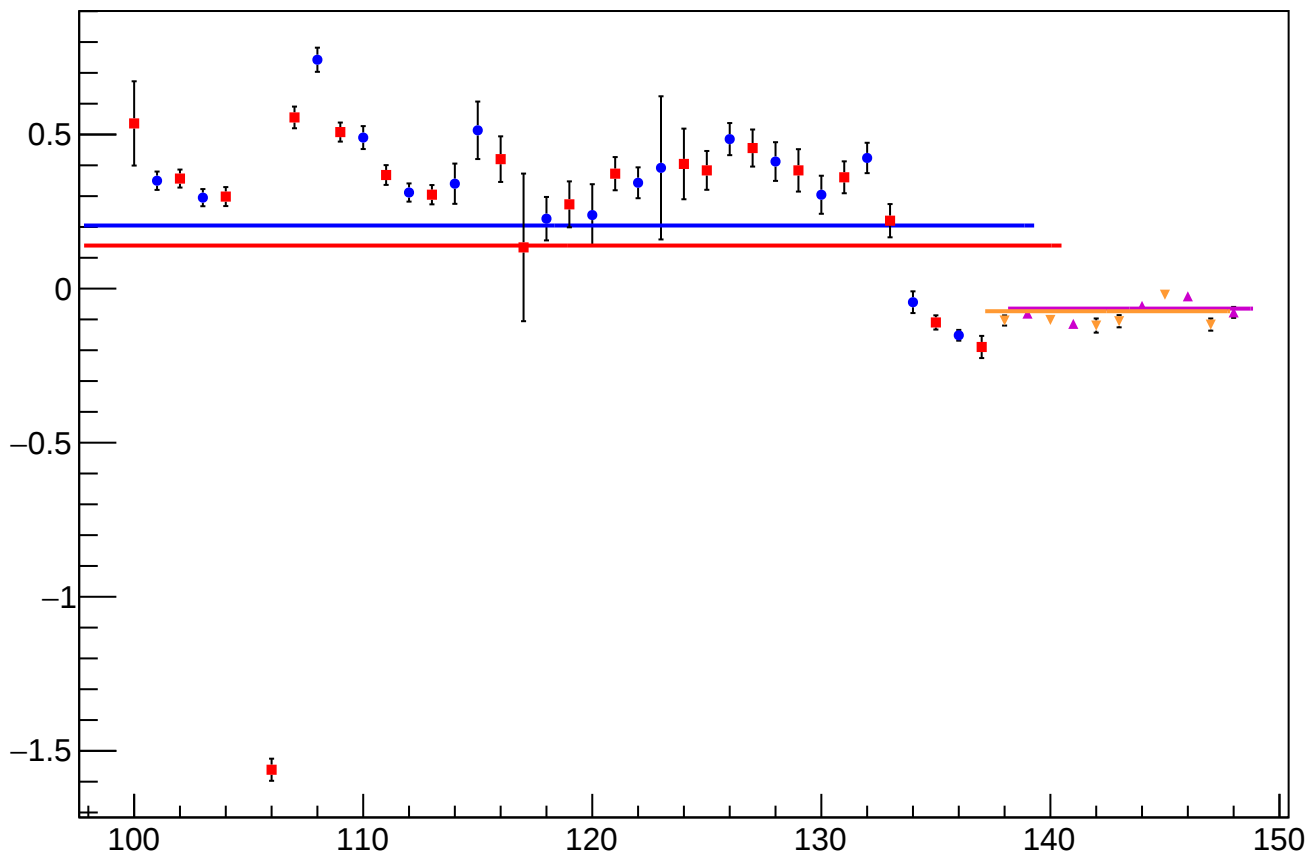
Right Out: 12.460 $\pm$ 0.174 χ^2 /NDF: 6976.5/19

Left In: 22.330 $\pm$ 0.126 χ^2 /NDF: 484.0/4

20.035 $\pm$ 0.104 χ^2 /NDF: 9815.1/22

18.910 $\pm$ 0.102 χ^2 /NDF: 9574.3/24

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205+/-0.009 χ^2/NDF : 845.8/16

Left Out: -0.073+/-0.006 χ^2/NDF : 46.2/5

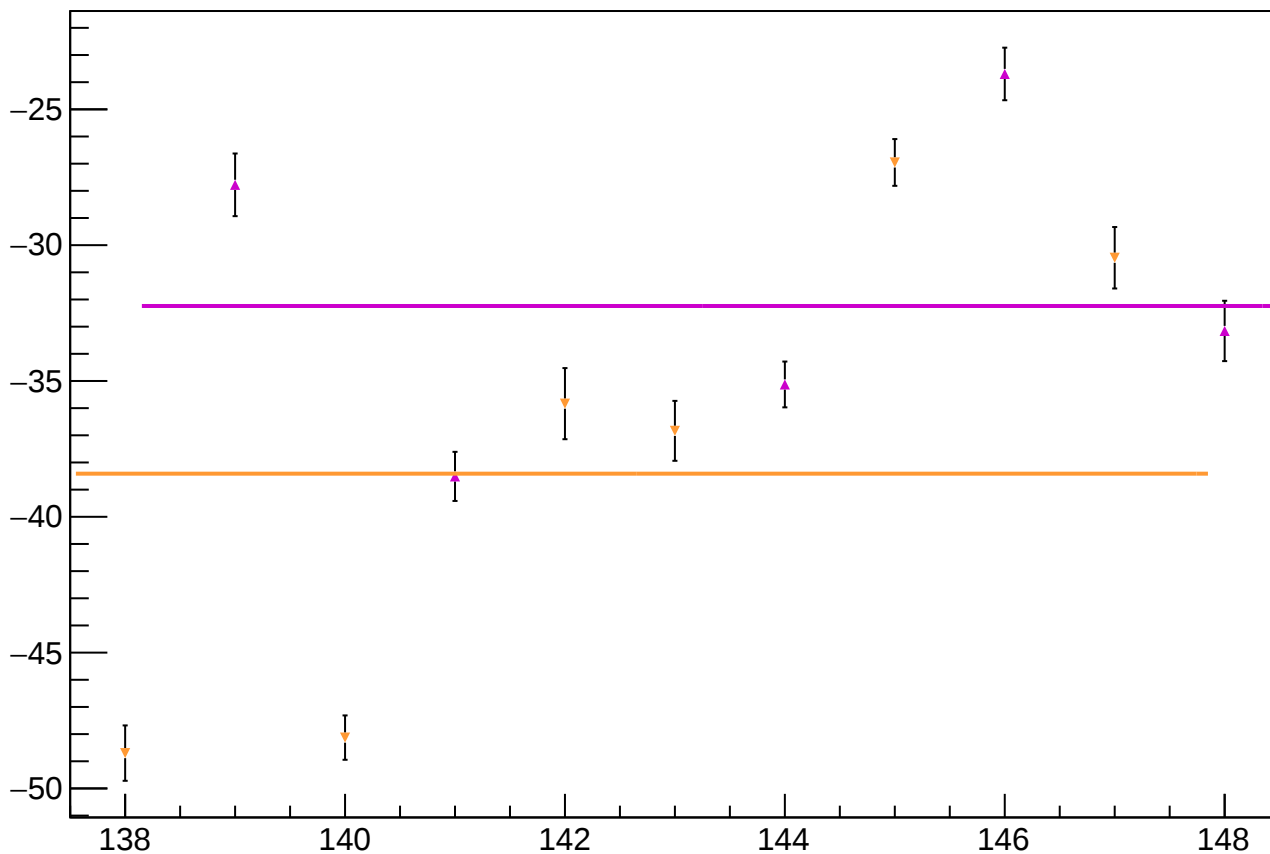
Right Out: 0.140+/-0.009 χ^2/NDF : 3014.2/19

Left In: -0.065+/-0.006 χ^2/NDF : 21.8/4

0.014+/-0.005 χ^2/NDF : 1494.9/22

0.003+/-0.005 χ^2/NDF : 3366.0/24

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

Left Out: -38.412+/-0.408 χ^2/NDF : 476.0/5

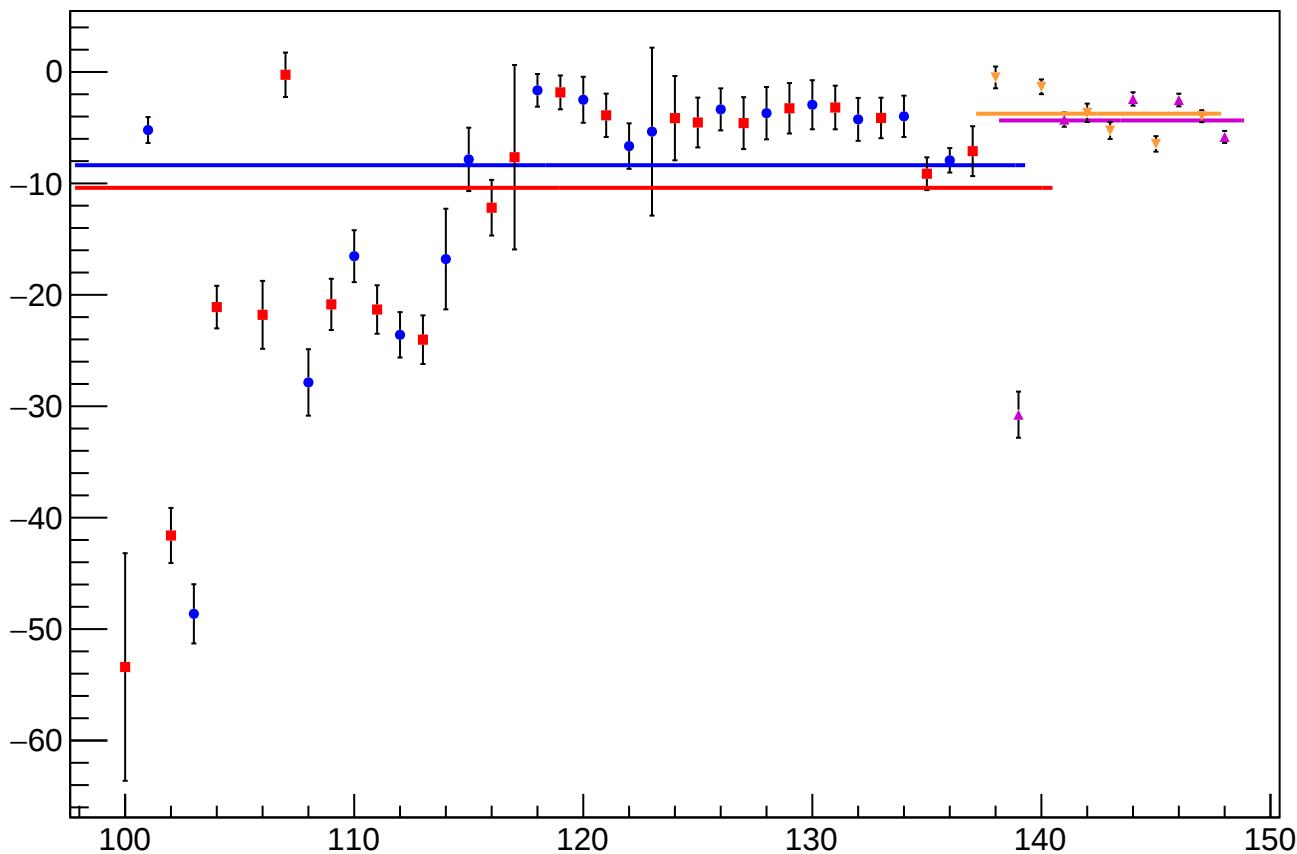
-38.412+/-0.408 χ^2/NDF : 476.0/5

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

Left In: -32.239+/-0.436 χ^2/NDF : 153.5/4

-32.239+/-0.436 χ^2/NDF : 153.5/4

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -3.743 ± 0.287 χ^2/NDF : 43.8/5

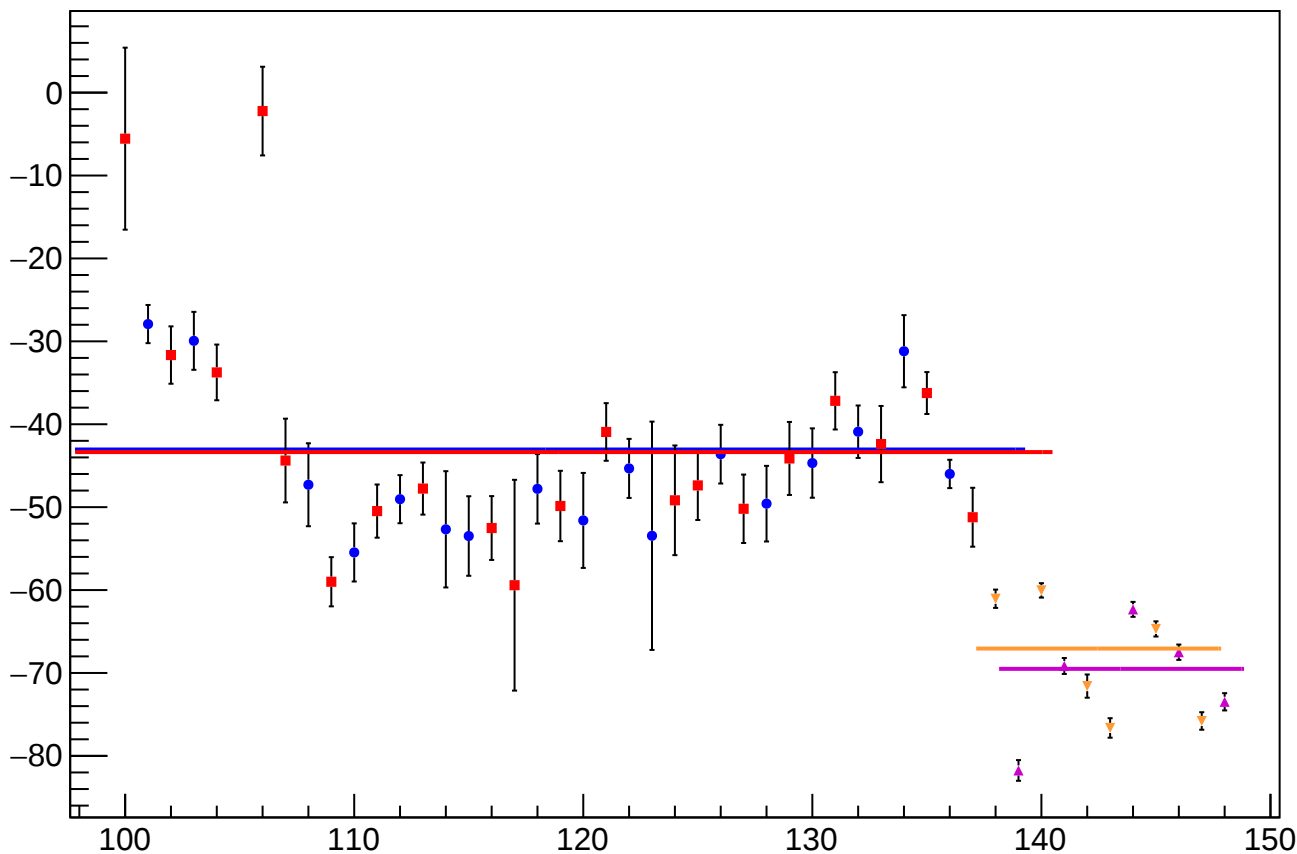
Right Out: -10.396 ± 0.490 χ^2/NDF : 430.4/19

Left In: -4.349 ± 0.289 χ^2/NDF : 190.8/4

-5.017 ± 0.245 χ^2/NDF : 523.9/22

-5.909 ± 0.249 χ^2/NDF : 734.2/24

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047±/-0.837 χ^2/NDF : 99.0/16

Left Out: -67.057±/-0.428 χ^2/NDF : 246.4/5

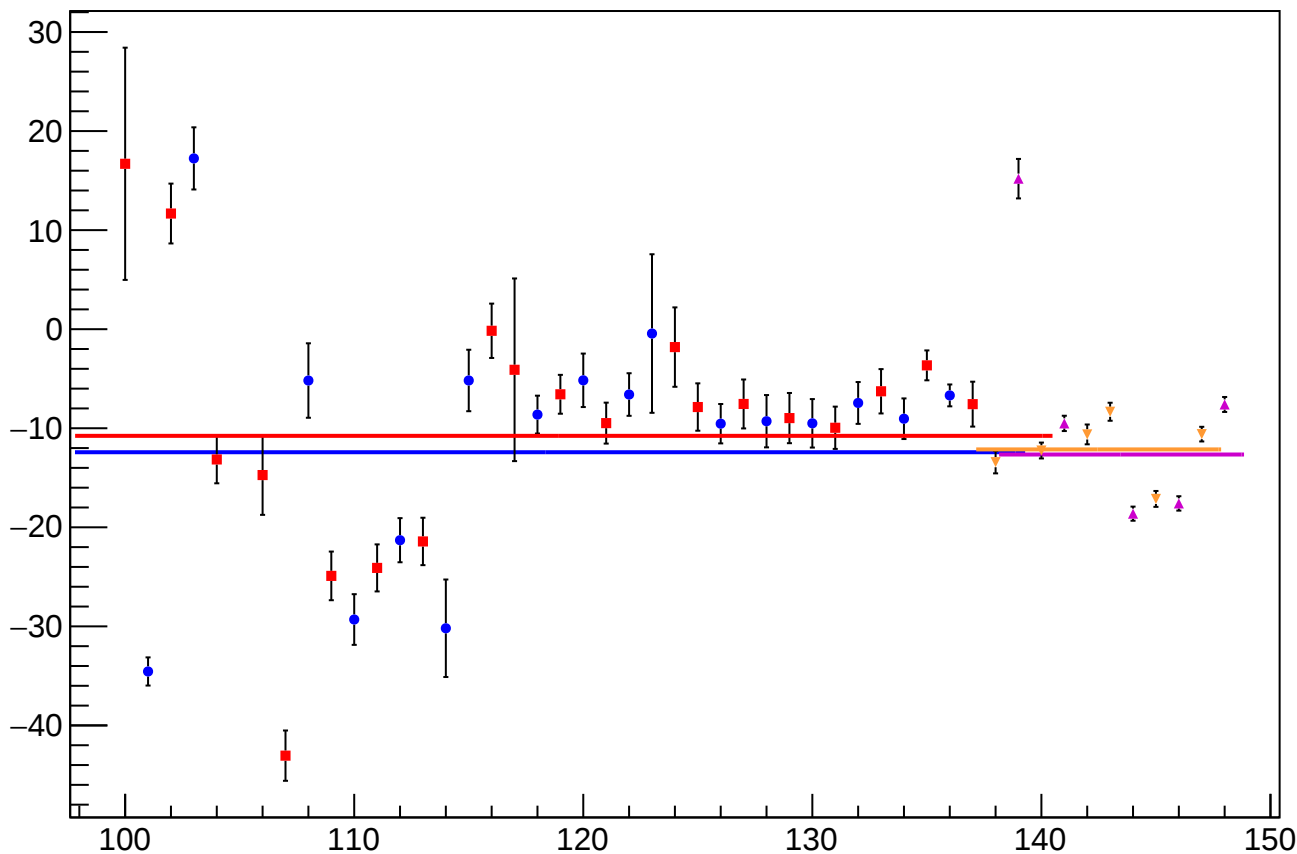
Right Out: -43.357±/-0.865 χ^2/NDF : 156.0/19

Left In: -69.504±/-0.445 χ^2/NDF : 178.8/4

-62.087±/-0.381 χ^2/NDF : 997.6/22

-64.025±/-0.396 χ^2/NDF : 1056.8/24

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 $\pm$ 0.523 χ^2/NDF : 474.4/16

Left Out: -12.136 $\pm$ 0.355 χ^2/NDF : 64.2/5

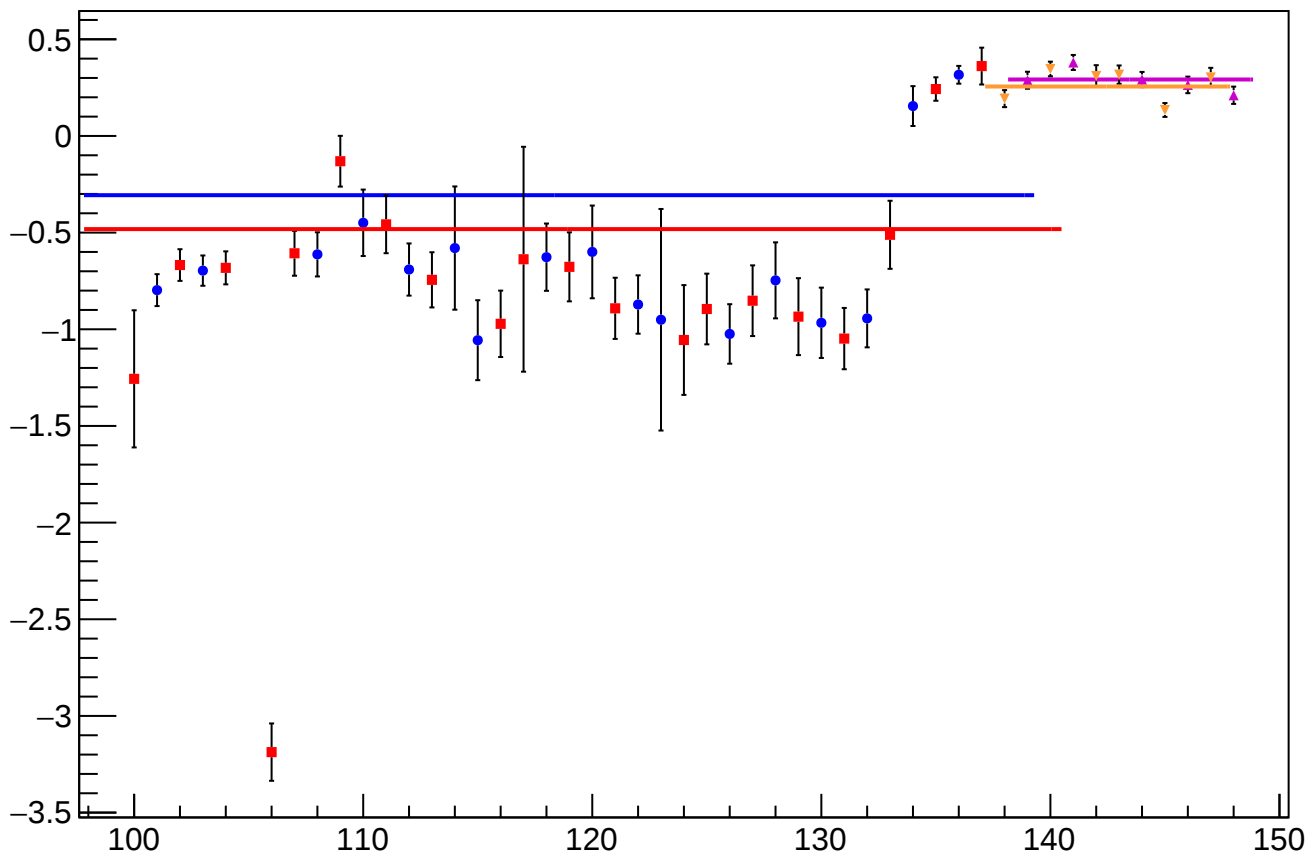
Right Out: -10.766 $\pm$ 0.553 χ^2/NDF : 366.3/19

Left In: -12.651 $\pm$ 0.364 χ^2/NDF : 372.8/4

-12.226 $\pm$ 0.294 χ^2/NDF : 538.8/22

-12.081 $\pm$ 0.304 χ^2/NDF : 747.2/24

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.256 ± 0.018 χ^2/NDF : 22.7/5

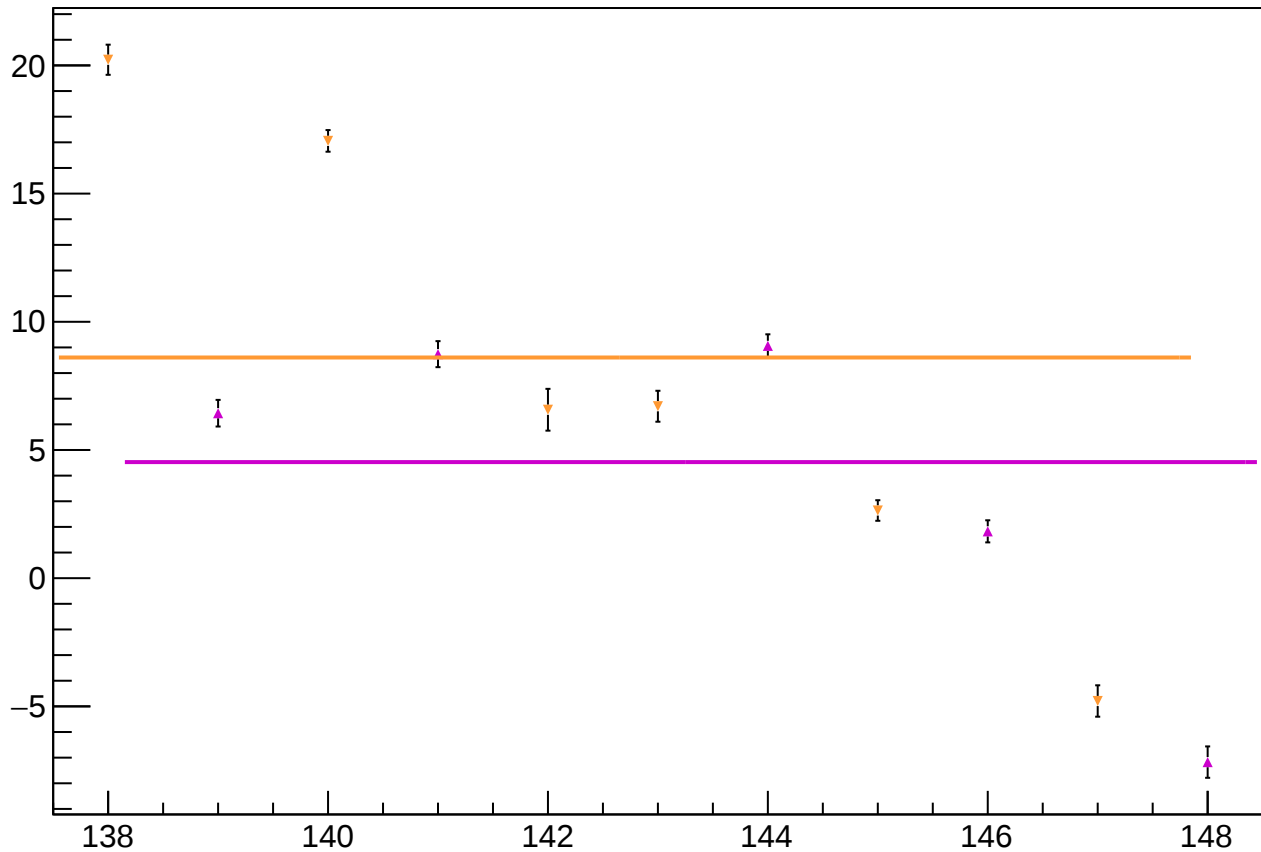
Right Out: -0.482 ± 0.029 χ^2/NDF : 628.3/19

Left In: 0.292 ± 0.019 χ^2/NDF : 8.9/4

0.090 ± 0.015 χ^2/NDF : 687.8/22

0.060 ± 0.016 χ^2/NDF : 1151.6/24

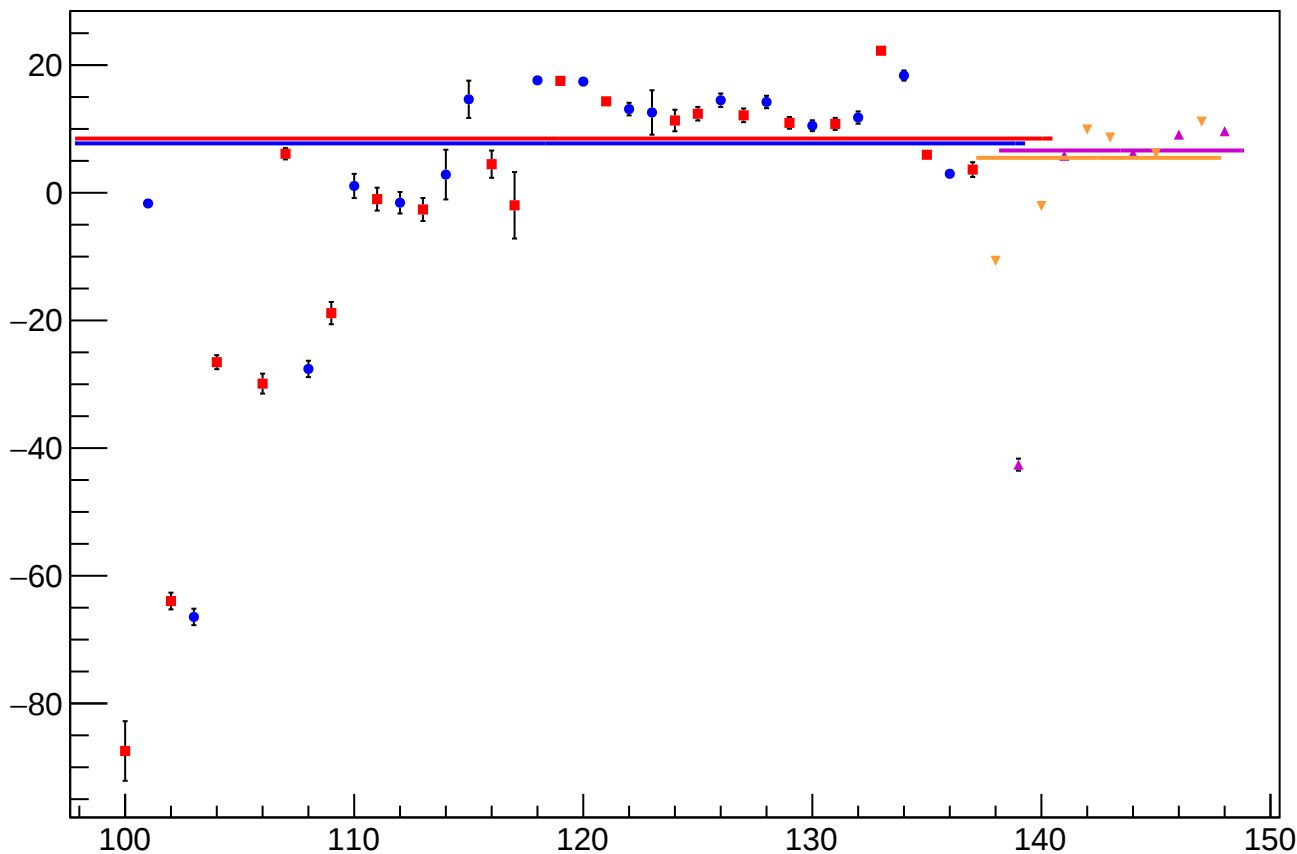
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.607+/-0.215 χ^2/NDF :1506.9/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.528+/-0.220 χ^2/NDF :588.5/4

8.607+/-0.215 χ^2/NDF : 1506.9/5
 4.528+/-0.220 χ^2/NDF : 588.5/4

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 5.475 ± 0.156 χ^2/NDF : 1706.1/5

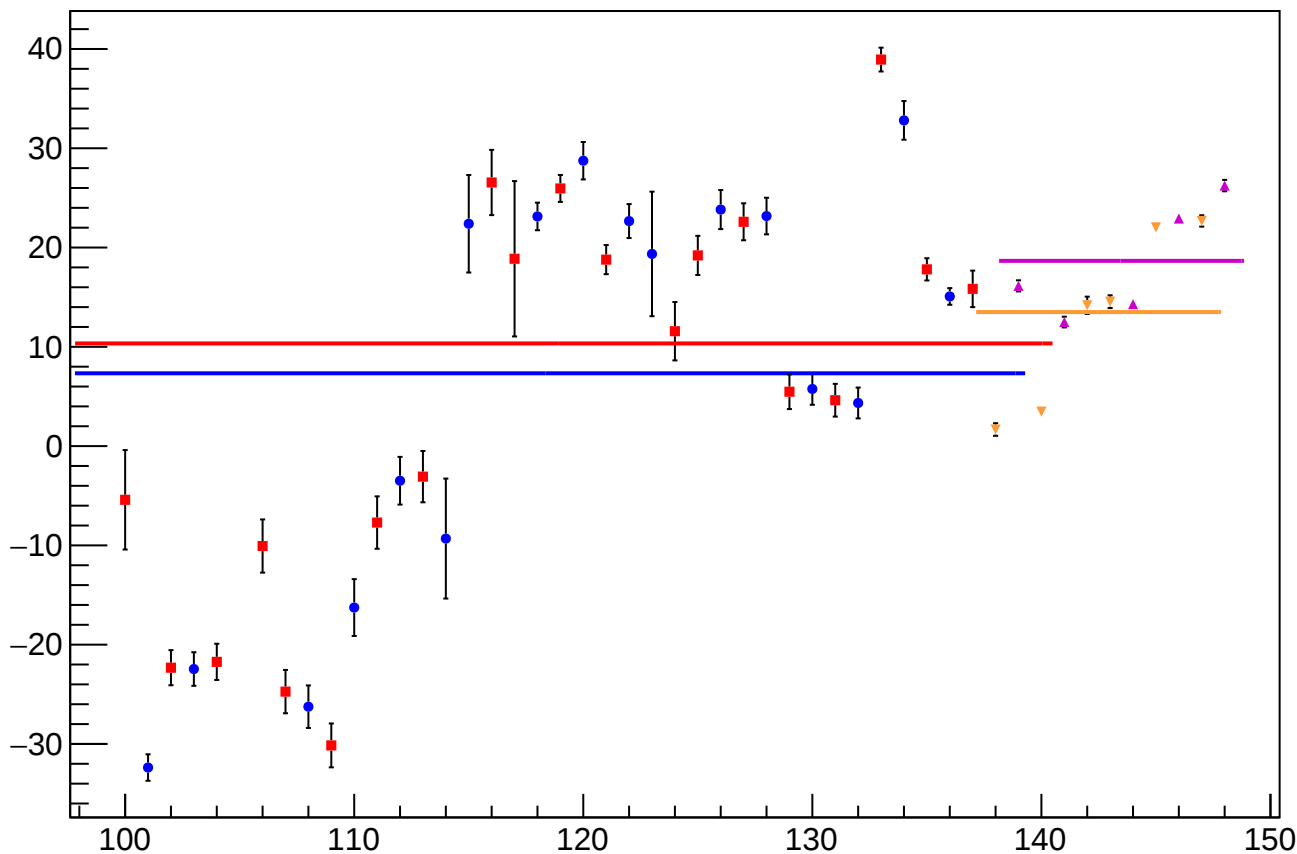
Right Out: 8.496 ± 0.213 χ^2/NDF : 6723.5/19

Left In: 6.626 ± 0.154 χ^2/NDF : 2901.5/4

6.238 ± 0.127 χ^2/NDF : 7078.0/22

7.267 ± 0.125 χ^2/NDF : 9675.6/24

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333+/-0.419 χ^2/NDF : 2293.1/16

Left Out: 13.503+/-0.225 χ^2/NDF :1506.7/5

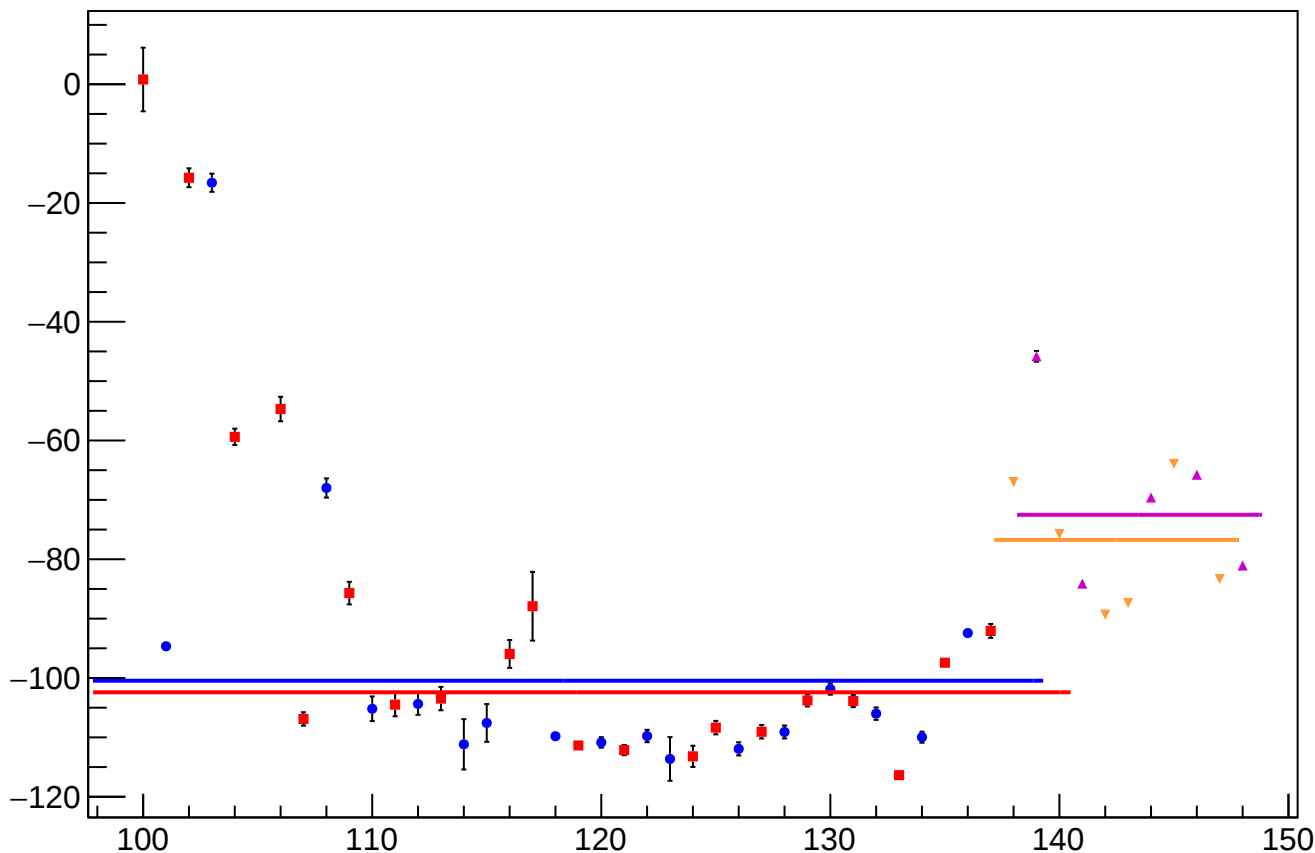
Right Out: 10.342+/-0.416 χ^2/NDF : 2282.7/19

Left In: 18.660+/-0.225 χ^2/NDF :512.8/4

12.119+/-0.198 χ^2/NDF : 3968.4/22

16.779+/-0.198 χ^2/NDF : 3104.5/24

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457 ± 0.251 $\chi^2/\text{NDF}: 4461.1/16$

Left Out: -76.744 ± 0.191 $\chi^2/\text{NDF}: 2478.3/5$

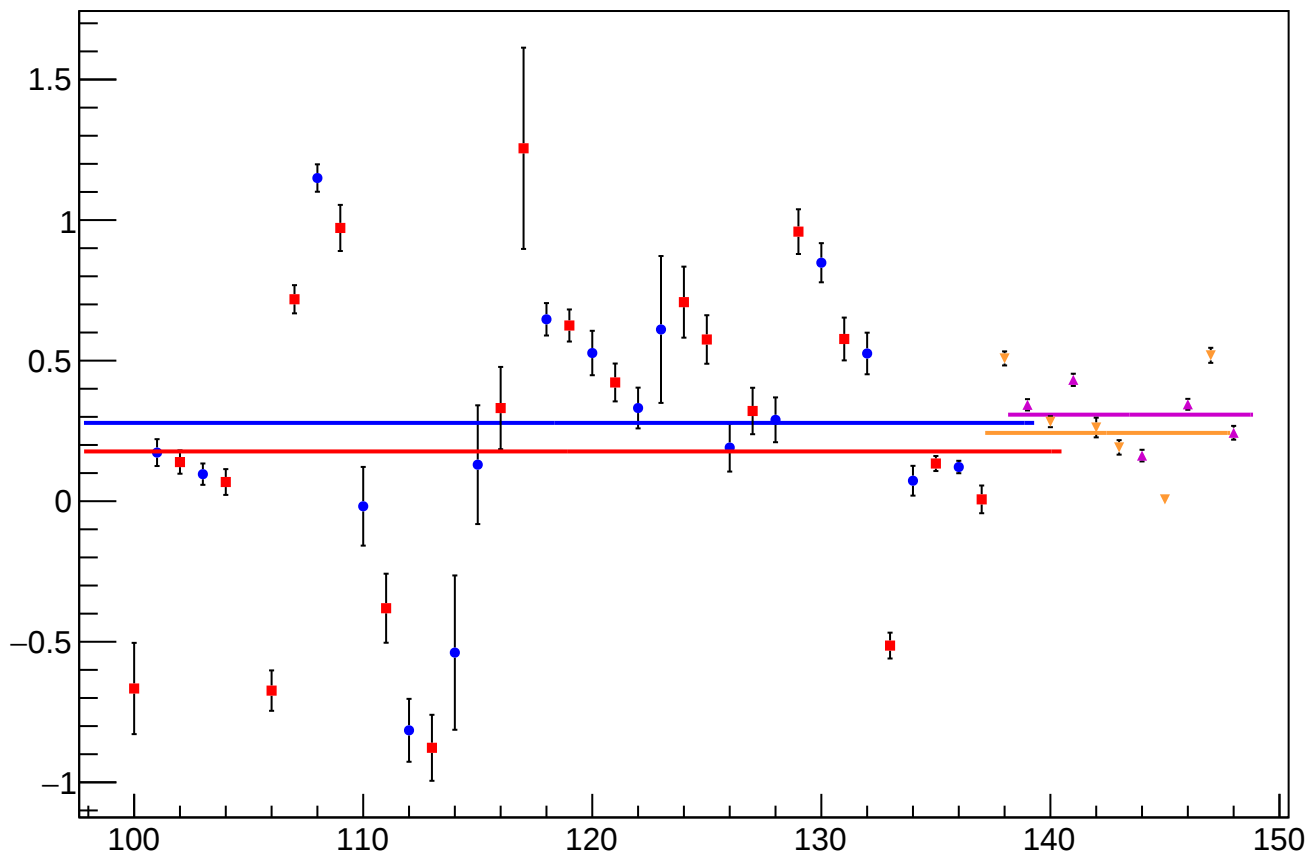
Right Out: -102.405 ± 0.246 $\chi^2/\text{NDF}: 6100.6/19$

Left In: -72.516 ± 0.191 $\chi^2/\text{NDF}: 2428.4/4$

-85.435 ± 0.152 $\chi^2/\text{NDF}: 12605.0/22$

-83.730 ± 0.151 $\chi^2/\text{NDF}: 17749.4/24$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.243 ± 0.009 χ^2/NDF : 428.3/5

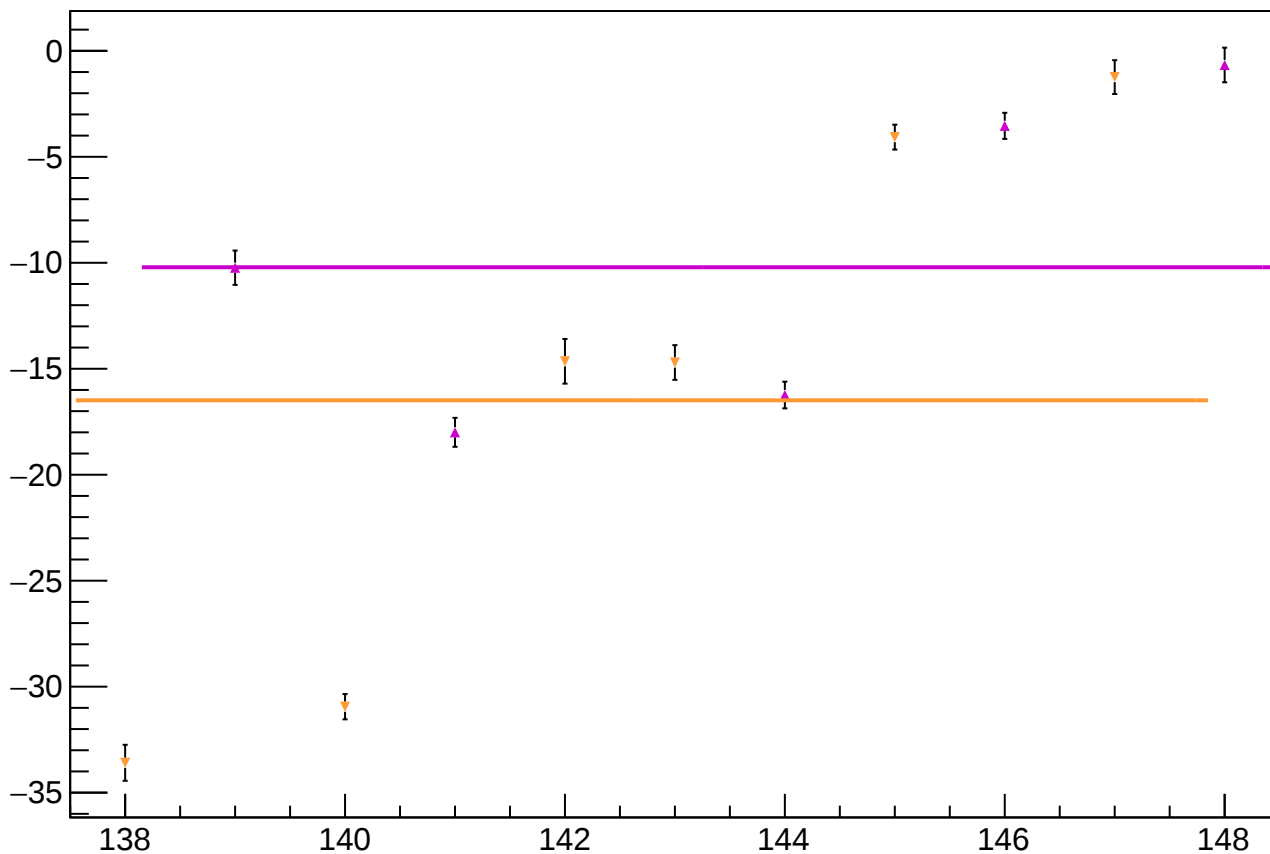
Right Out: 0.177 ± 0.013 χ^2/NDF : 976.8/19

Left In: 0.308 ± 0.009 χ^2/NDF : 95.3/4

0.254 ± 0.008 χ^2/NDF : 1086.9/22

0.265 ± 0.008 χ^2/NDF : 1135.4/24

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -16.489+/-0.301 χ^2/NDF : 1815.5/5

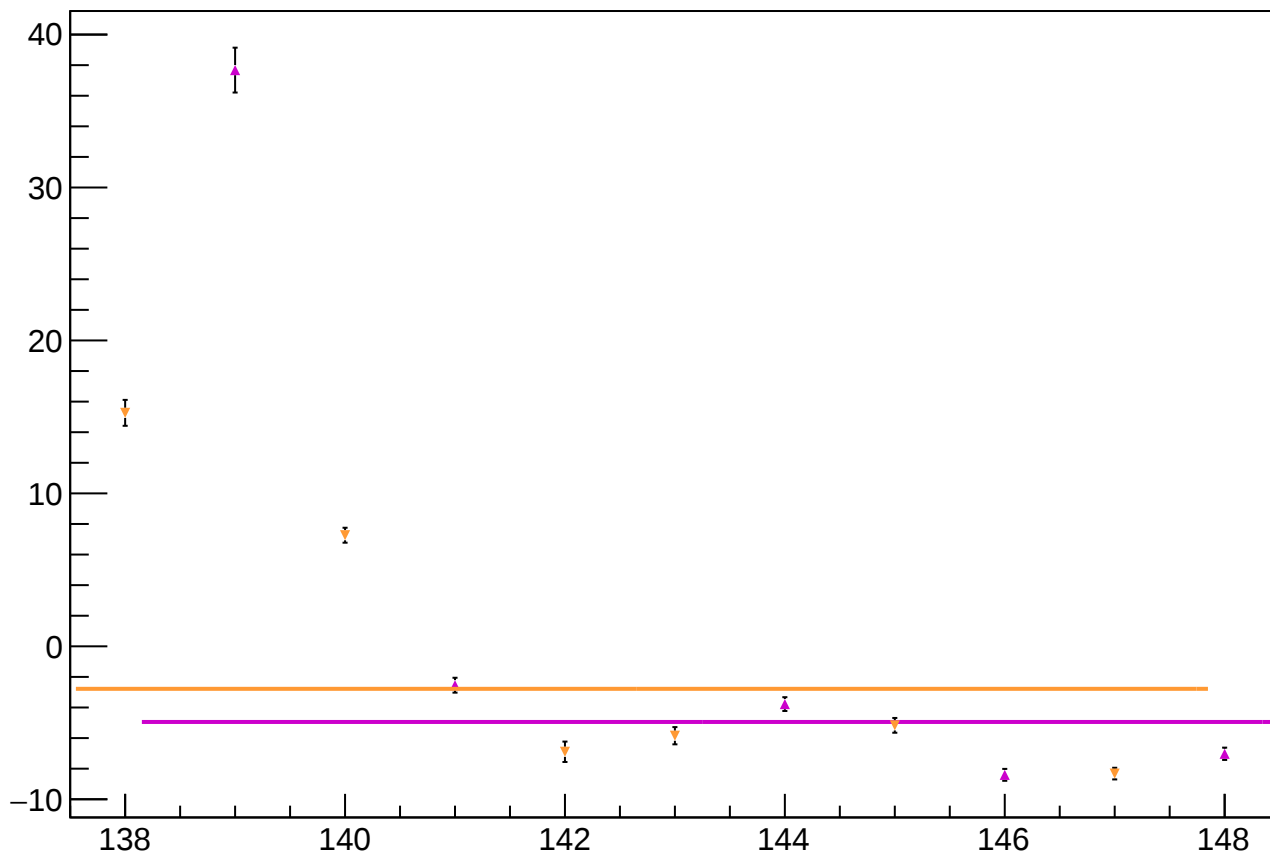
-16.489+/-0.301 χ^2/NDF : 1815.5/5

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

-10.211+/-0.311 χ^2/NDF : 475.6/4

Left In: -10.211+/-0.311 χ^2/NDF : 475.6/4

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

-2.779+/-0.213 χ^2/NDF : 1179.2/5

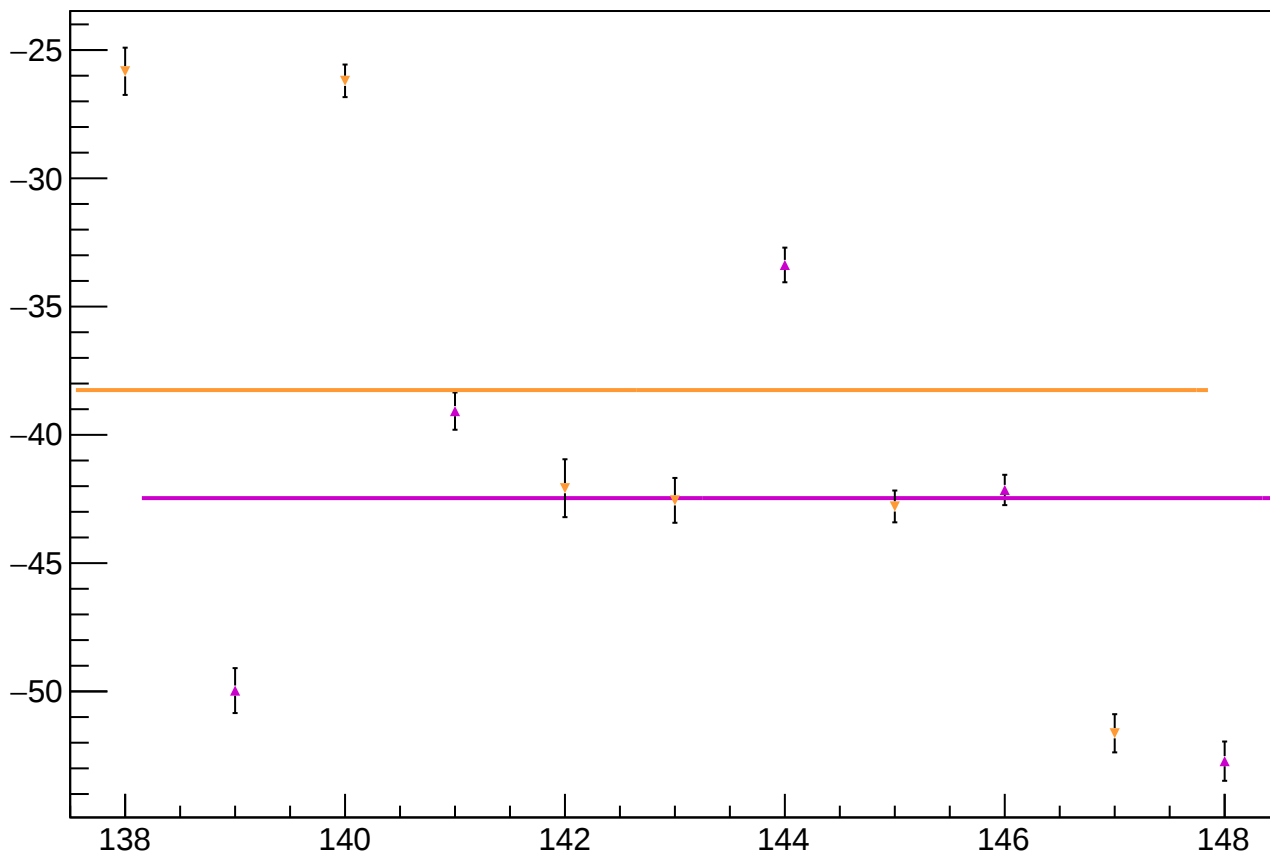
Left Out: -2.779+/-0.213 χ^2/NDF : 1179.2/5

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

-4.946+/-0.211 χ^2/NDF : 981.3/4

Left In: -4.946+/-0.211 χ^2/NDF : 981.3/4

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -38.255+/-0.314 χ^2/NDF : 954.6/5

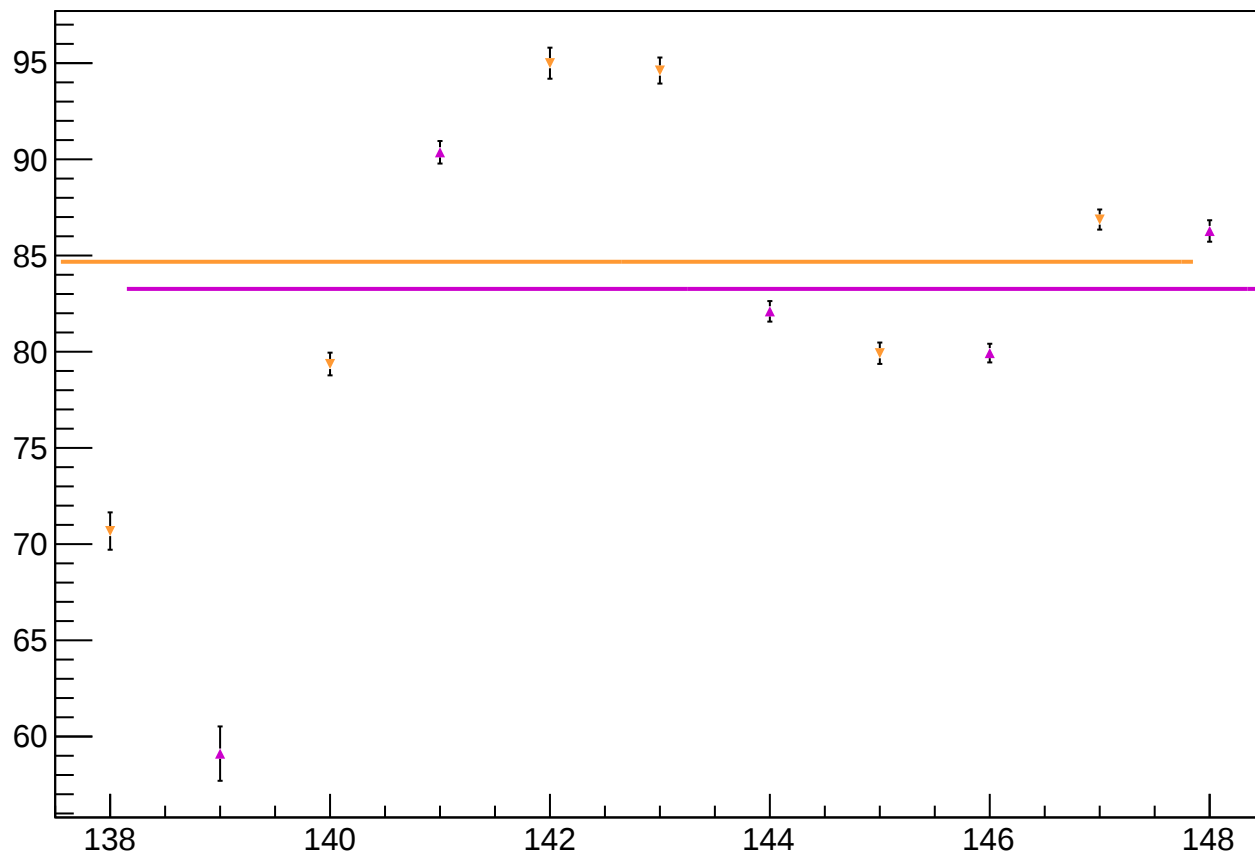
-38.255+/-0.314 χ^2/NDF : 954.6/5

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

Left In: -42.466+/-0.317 χ^2/NDF : 455.9/4

-42.466+/-0.317 χ^2/NDF : 455.9/4

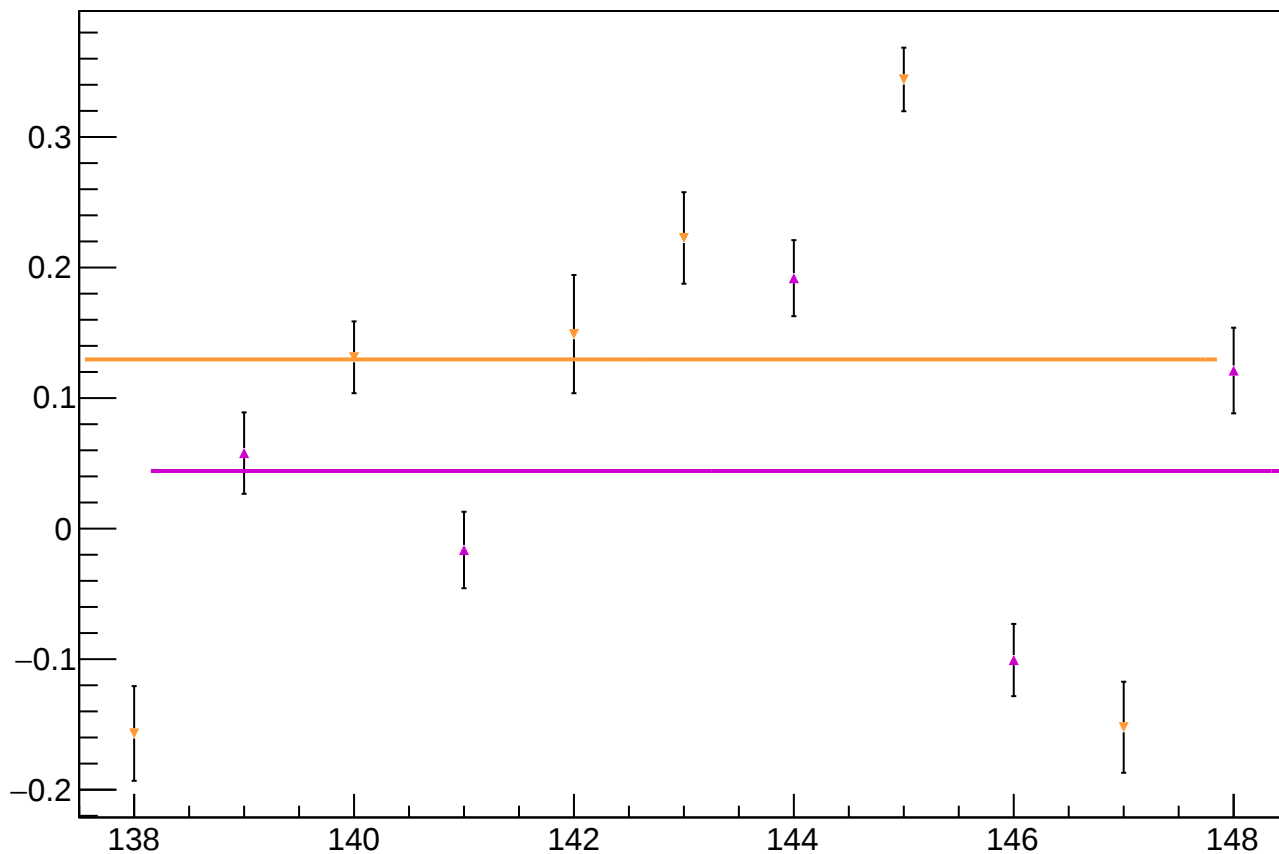
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 84.676+/-0.262 χ^2/NDF : 758.9/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 83.265+/-0.264 χ^2/NDF : 520.6/4

84.676+/-0.262 χ^2/NDF : 758.9/5
 83.265+/-0.264 χ^2/NDF : 520.6/4

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.130+/-0.013 χ^2/NDF : 212.5/5

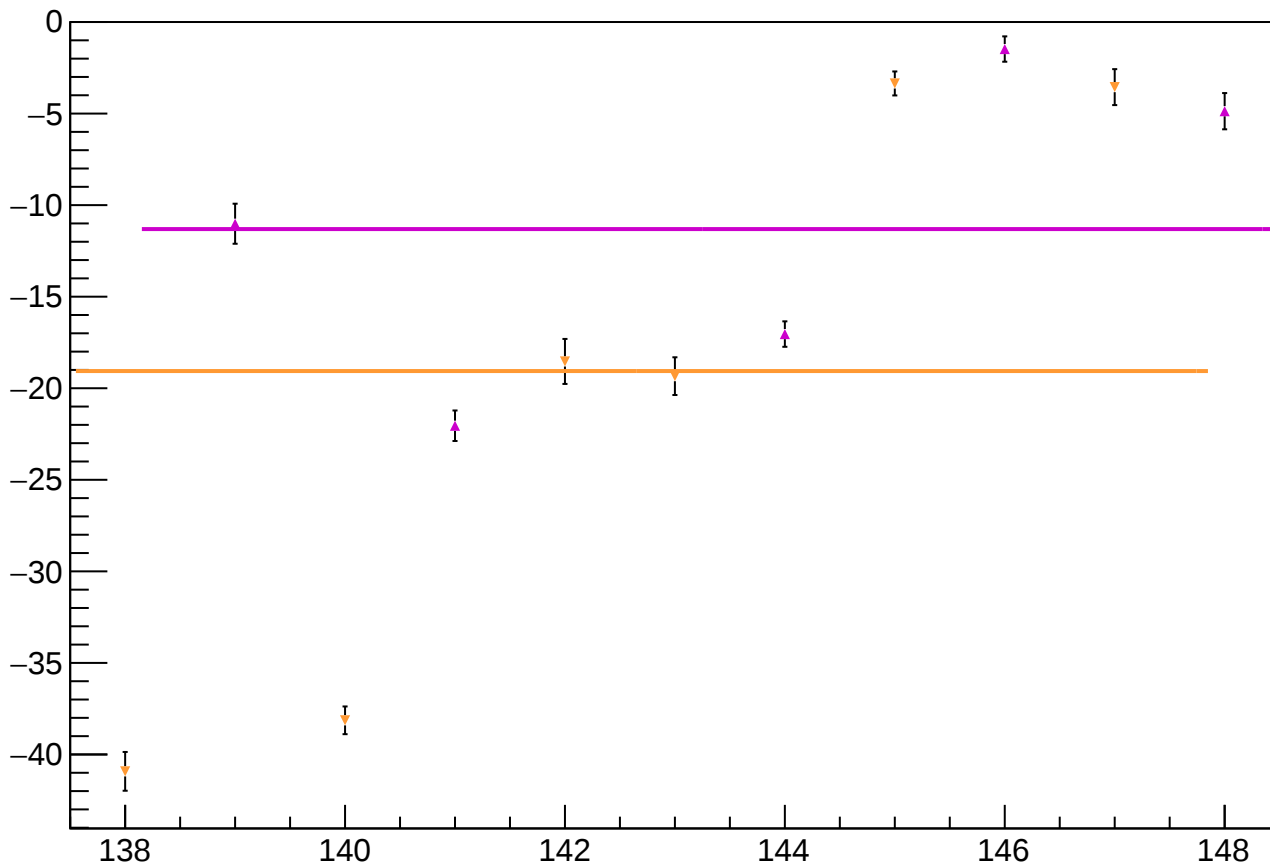
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.044+/-0.013 χ^2/NDF : 63.1/4

0.130+/-0.013 χ^2/NDF : 212.5/5

0.044+/-0.013 χ^2/NDF : 63.1/4

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -19.061+/-0.362 χ^2/NDF : 1886.6/5

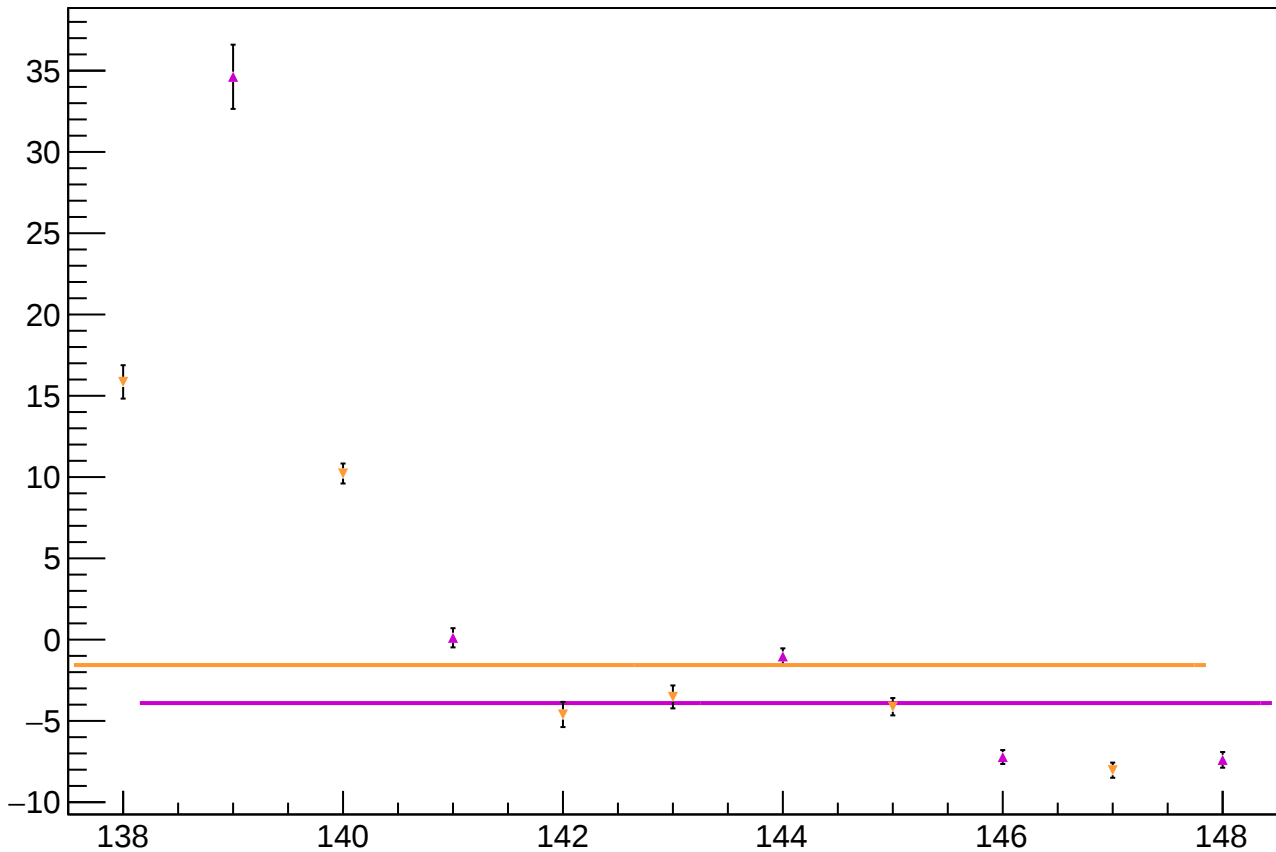
-19.061+/-0.362 χ^2/NDF : 1886.6/5

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

Left In: -11.308+/-0.366 χ^2/NDF : 478.3/4

-11.308+/-0.366 χ^2/NDF : 478.3/4

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -1.563+/-0.255 χ^2/NDF : 893.6/5

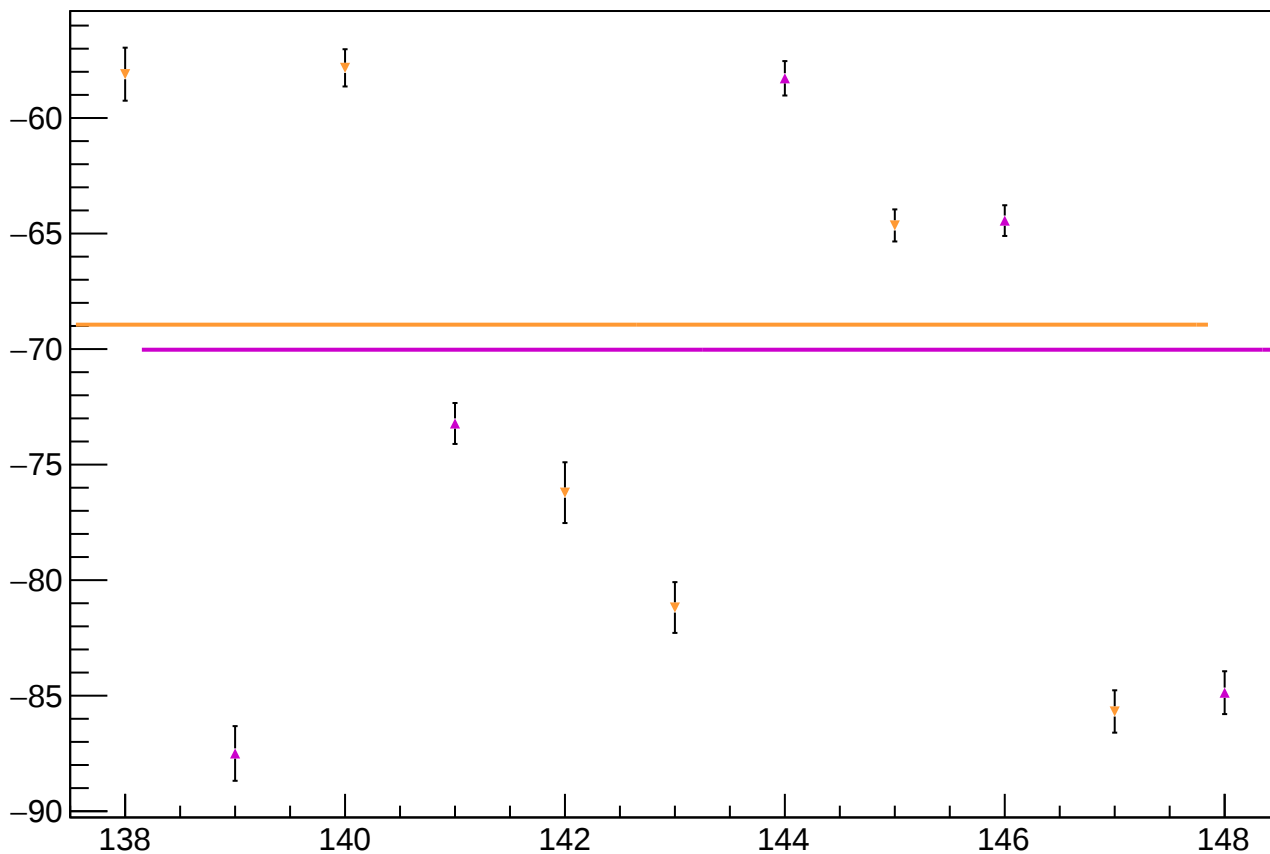
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -3.901+/-0.243 χ^2/NDF : 572.2/4

-1.563+/-0.255 χ^2/NDF : 893.6/5

-3.901+/-0.243 χ^2/NDF : 572.2/4

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -68.943+/-0.379 χ^2/NDF : 805.8/5

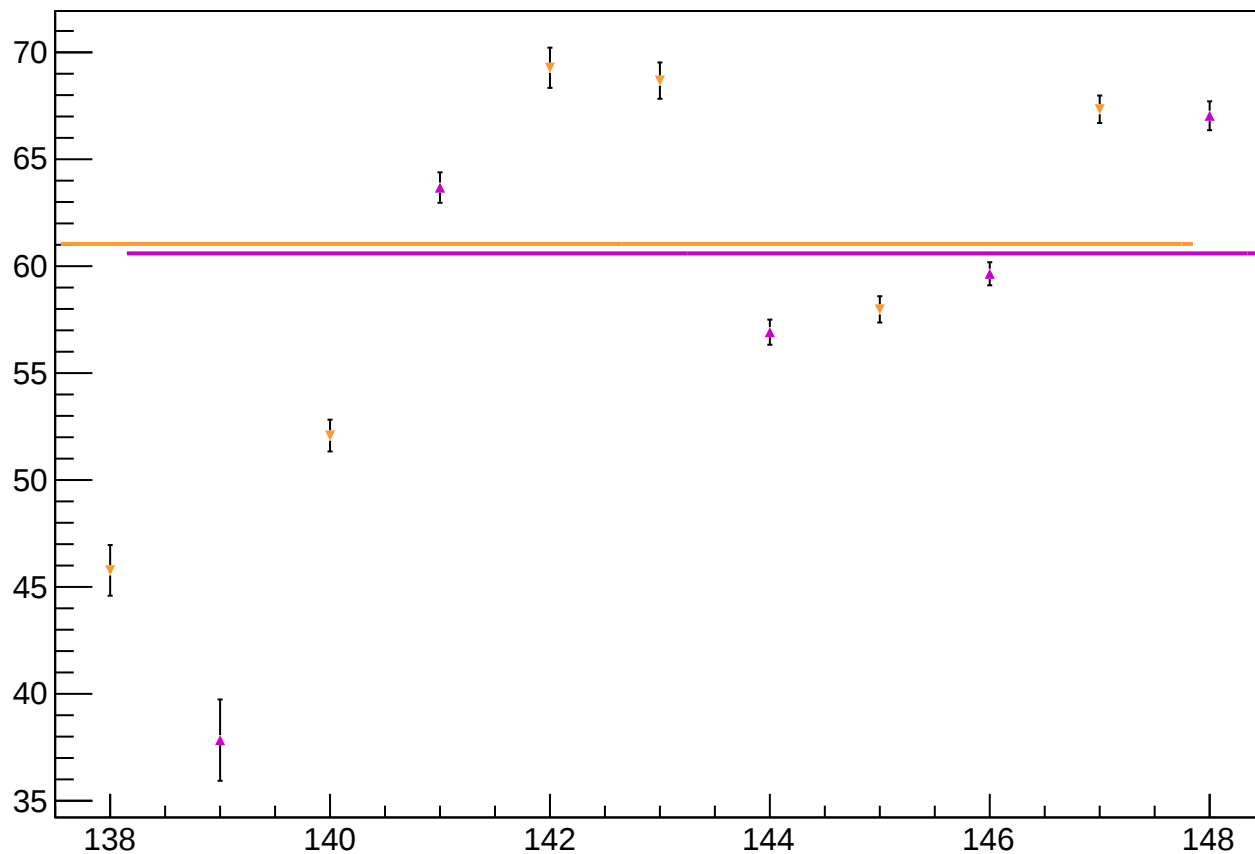
-68.943+/-0.379 χ^2/NDF : 805.8/5

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

Left In: -70.028+/-0.372 χ^2/NDF : 806.4/4

-70.028+/-0.372 χ^2/NDF : 806.4/4

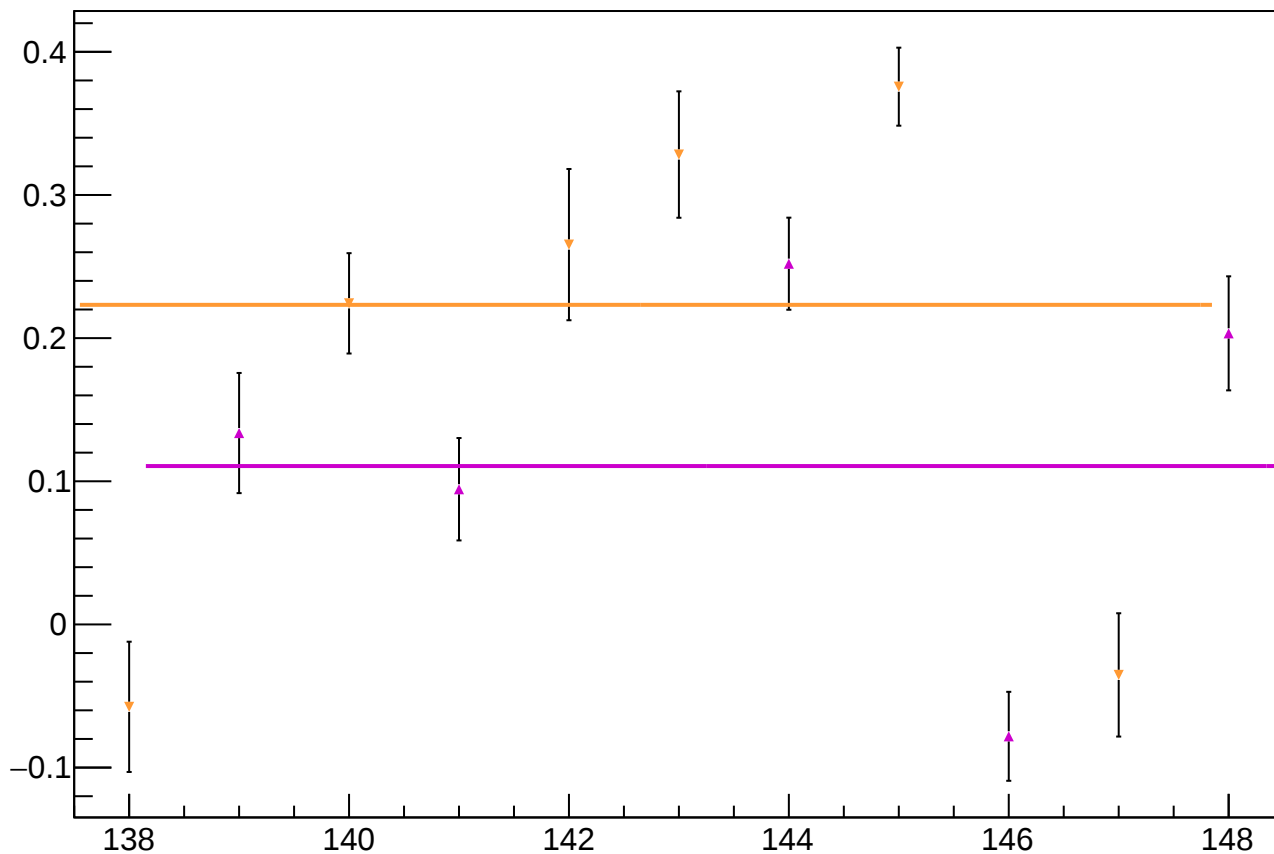
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 61.041 $\pm$ 0.314 χ^2 /NDF:590.0/5
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 60.600 $\pm$ 0.305 χ^2 /NDF:295.4/4

61.041 $\pm$ 0.314 χ^2 /NDF: 590.0/5
 60.600 $\pm$ 0.305 χ^2 /NDF: 295.4/4

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.223 $\pm$ 0.016 χ^2 /NDF:111.7/5

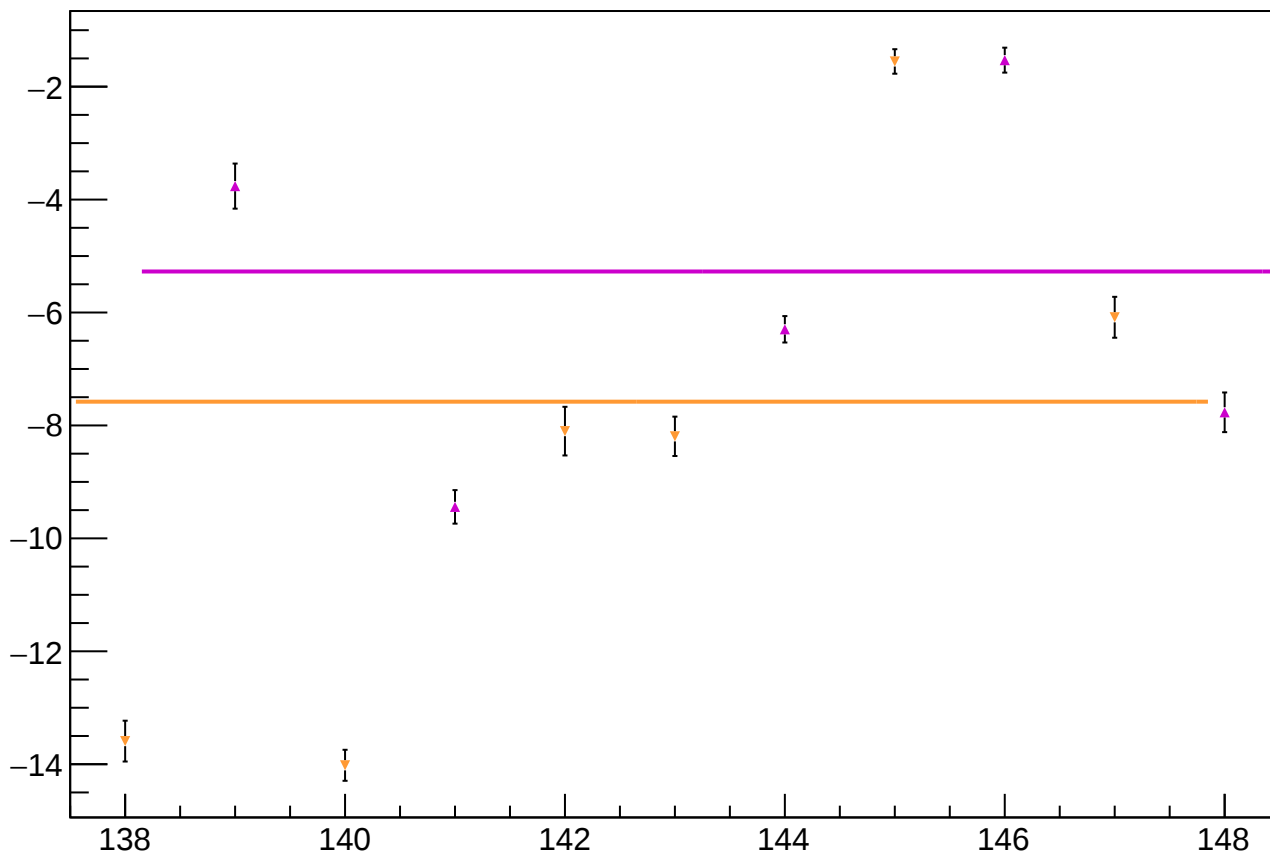
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.111 $\pm$ 0.016 χ^2 /NDF:62.1/4

0.223 $\pm$ 0.016 χ^2 /NDF: 111.7/5

0.111 $\pm$ 0.016 χ^2 /NDF: 62.1/4

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



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

Left Out: -7.579+/-0.126 χ^2/NDF : 1618.9/5

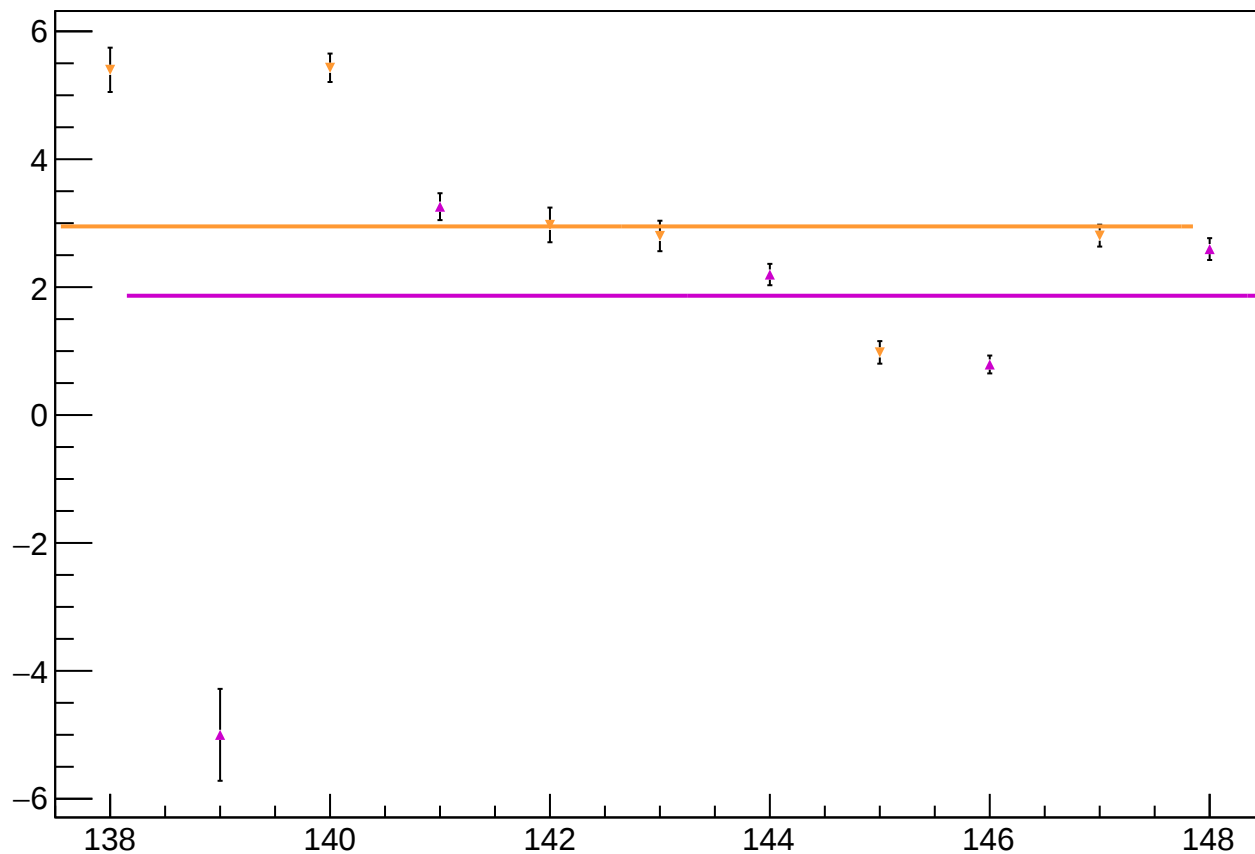
-7.579+/-0.126 χ^2/NDF : 1618.9/5

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

Left In: -5.274+/-0.125 χ^2/NDF : 568.2/4

-5.274+/-0.125 χ^2/NDF : 568.2/4

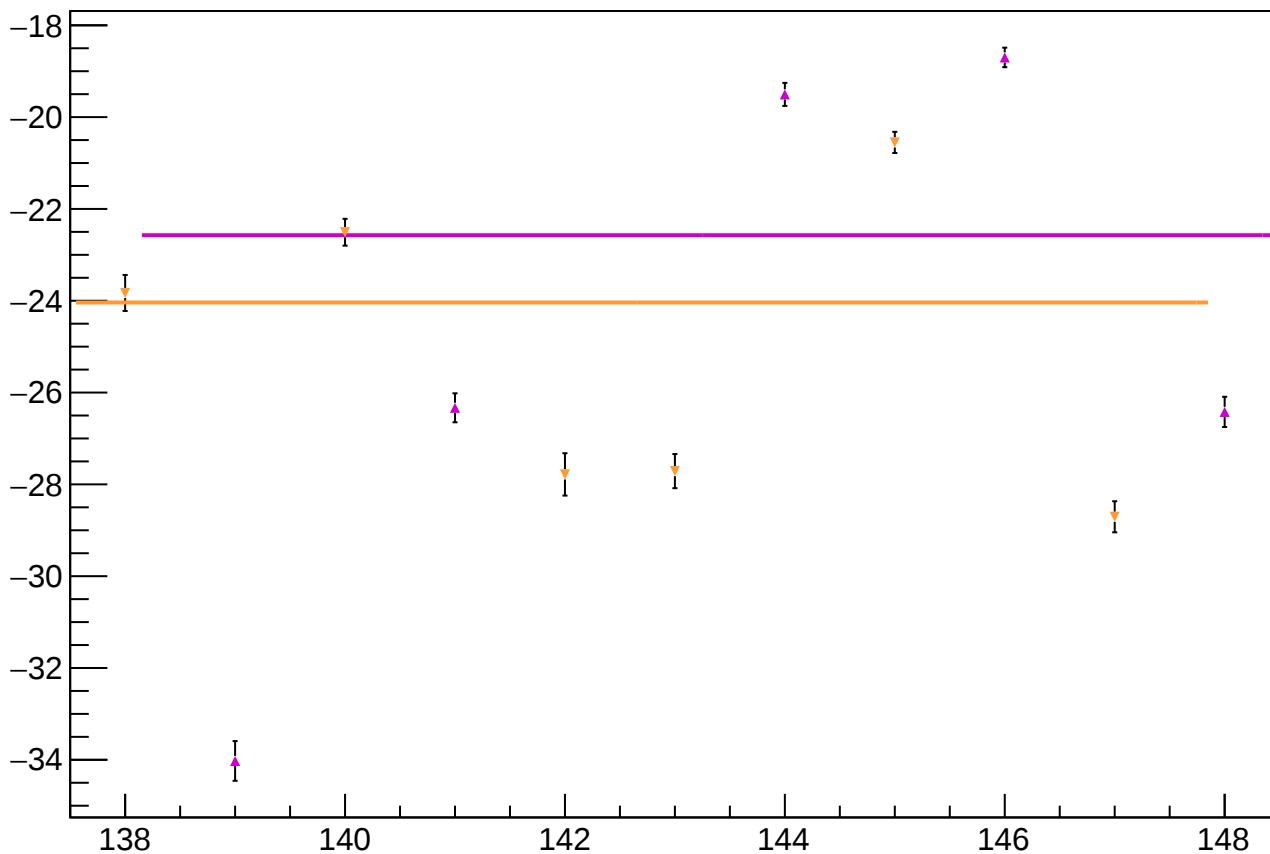
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.949+/-0.089 χ^2/NDF :300.3/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.866+/-0.083 χ^2/NDF :216.7/4

2.949+/-0.089 χ^2/NDF : 300.3/5
 1.866+/-0.083 χ^2/NDF : 216.7/4

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -24.038+/-0.132 χ^2/NDF : 610.8/5

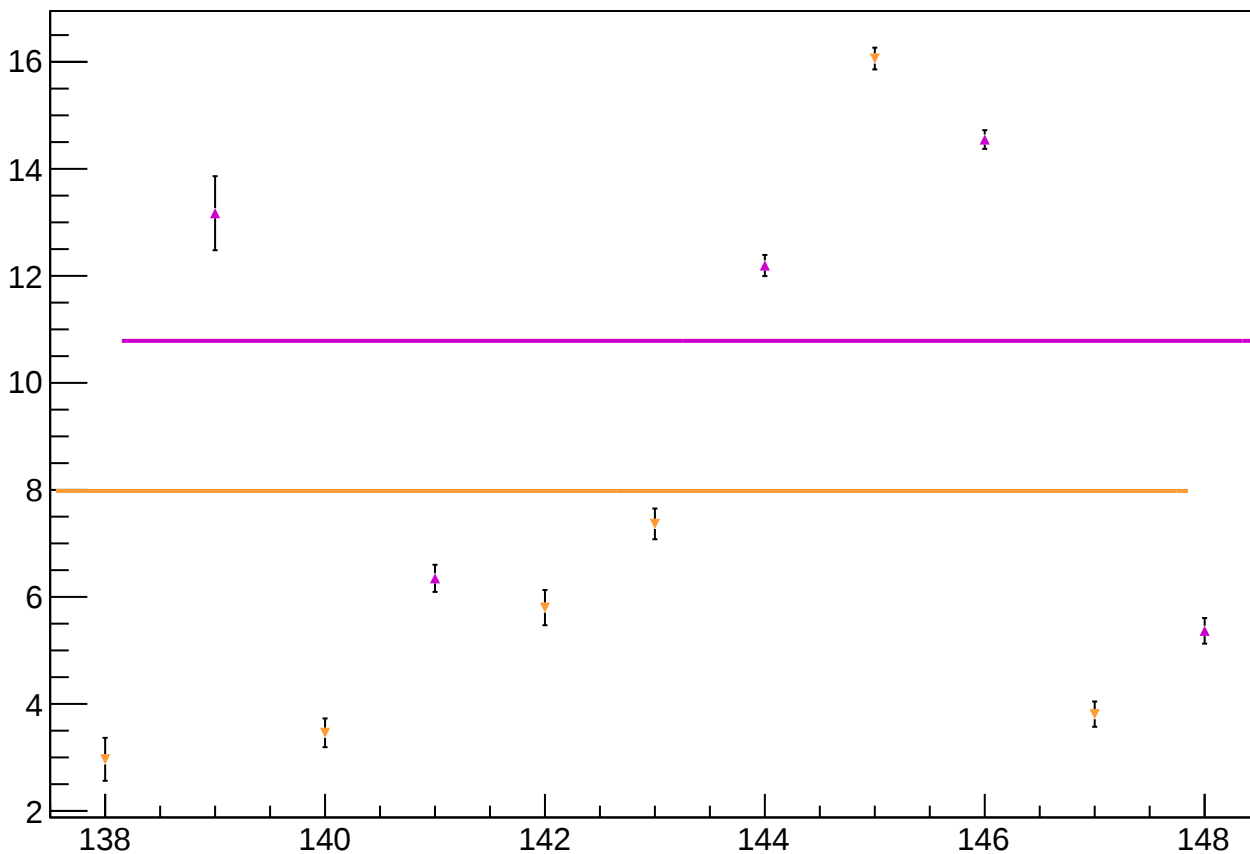
-24.038+/-0.132 χ^2/NDF : 610.8/5

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

-22.573+/-0.126 χ^2/NDF : 1461.7/4

Left In: -22.573+/-0.126 χ^2/NDF : 1461.7/4

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 7.980+/-0.109 χ^2/NDF : 2379.4/5

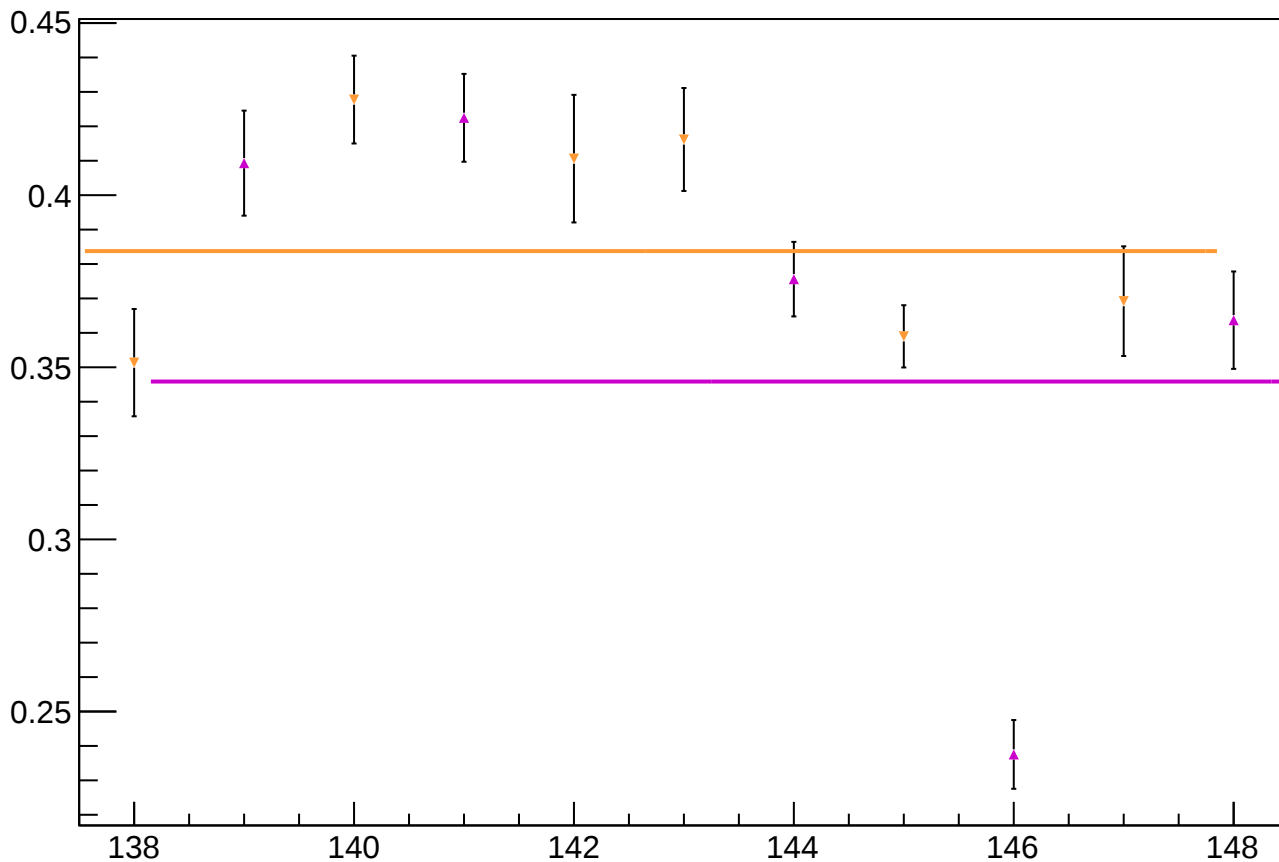
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 10.786+/-0.103 χ^2/NDF : 1345.9/4

7.980+/-0.109 χ^2/NDF : 2379.4/5

10.786+/-0.103 χ^2/NDF : 1345.9/4

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.384 $\pm$ 0.005 χ^2 /NDF:31.4/5

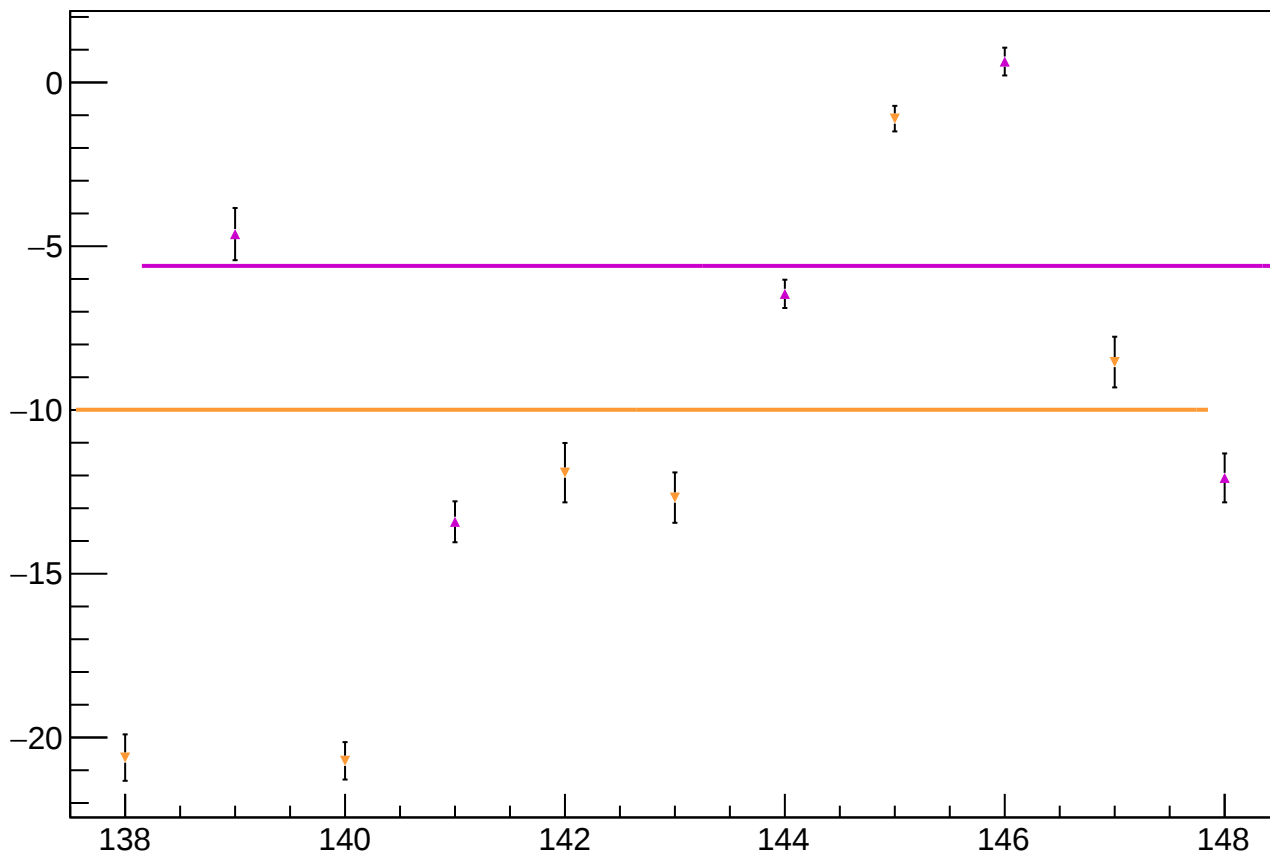
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.346 $\pm$ 0.005 χ^2 /NDF:180.1/4

0.384 $\pm$ 0.005 χ^2 /NDF: 31.4/5

0.346 $\pm$ 0.005 χ^2 /NDF: 180.1/4

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.992+/-0.248 χ^2/NDF : 1116.0/5

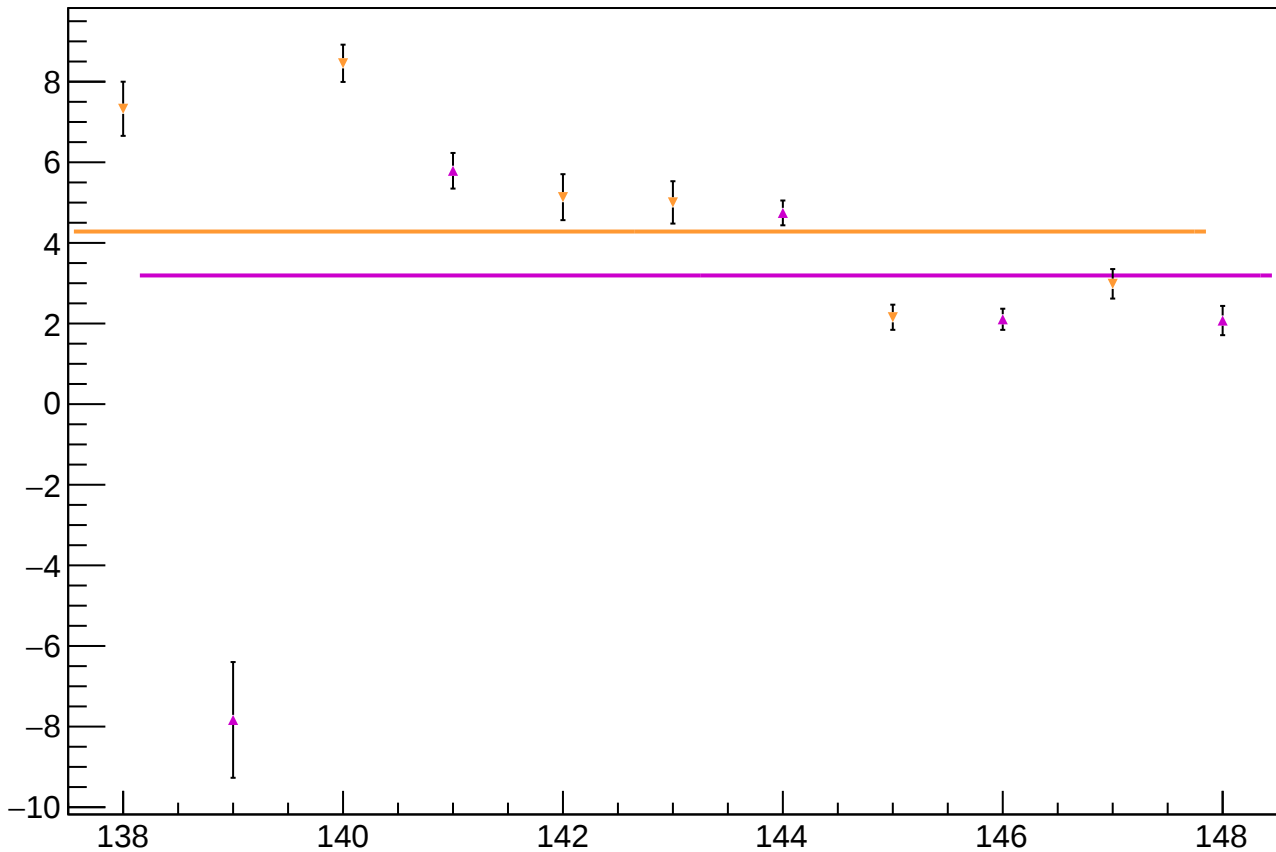
-9.992+/-0.248 χ^2/NDF : 1116.0/5

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

Left In: -5.601+/-0.244 χ^2/NDF : 453.1/4

-5.601+/-0.244 χ^2/NDF : 453.1/4

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 4.282+/-0.179 χ^2/NDF : 165.2/5

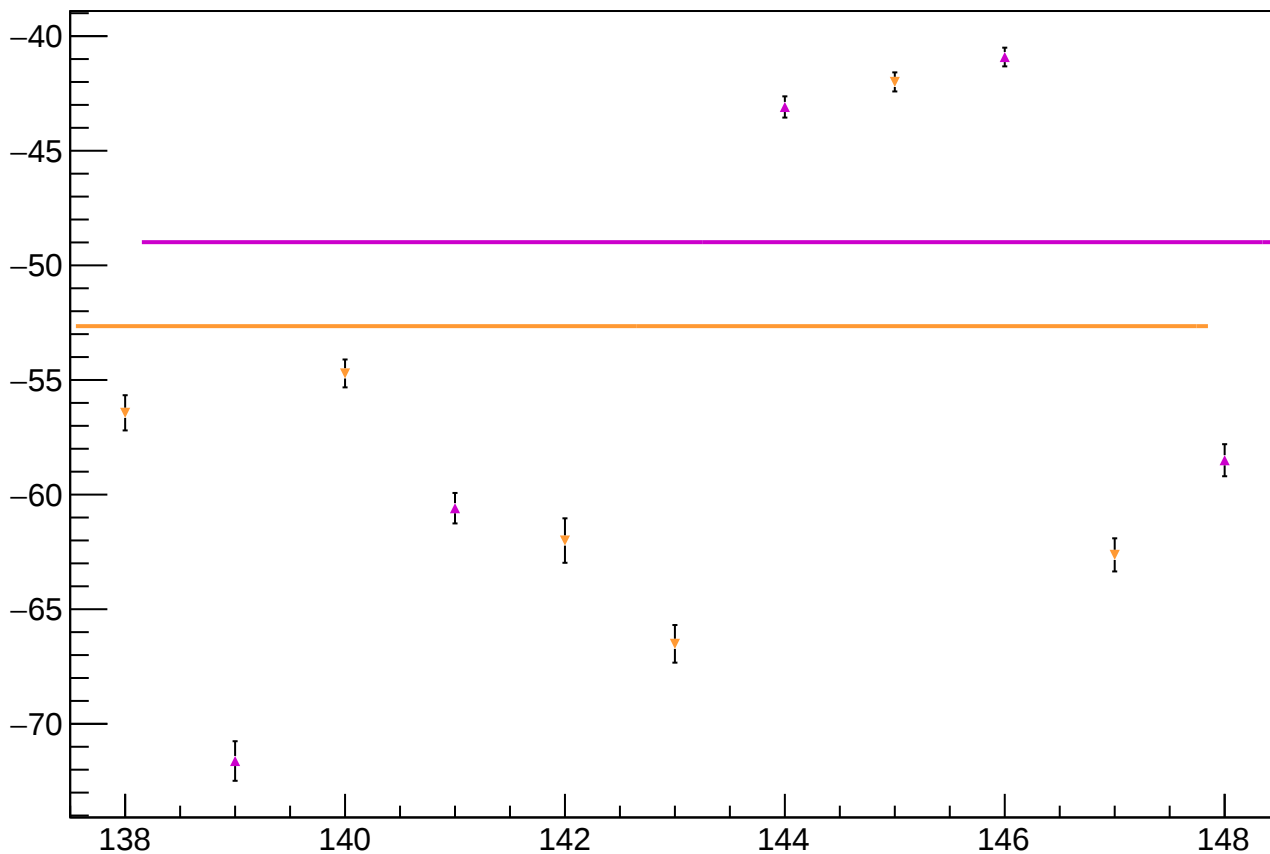
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 3.192+/-0.162 χ^2/NDF : 145.7/4

4.282+/-0.179 χ^2/NDF : 165.2/5

3.192+/-0.162 χ^2/NDF : 145.7/4

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -52.652+/-0.261 χ^2/NDF : 1260.6/5

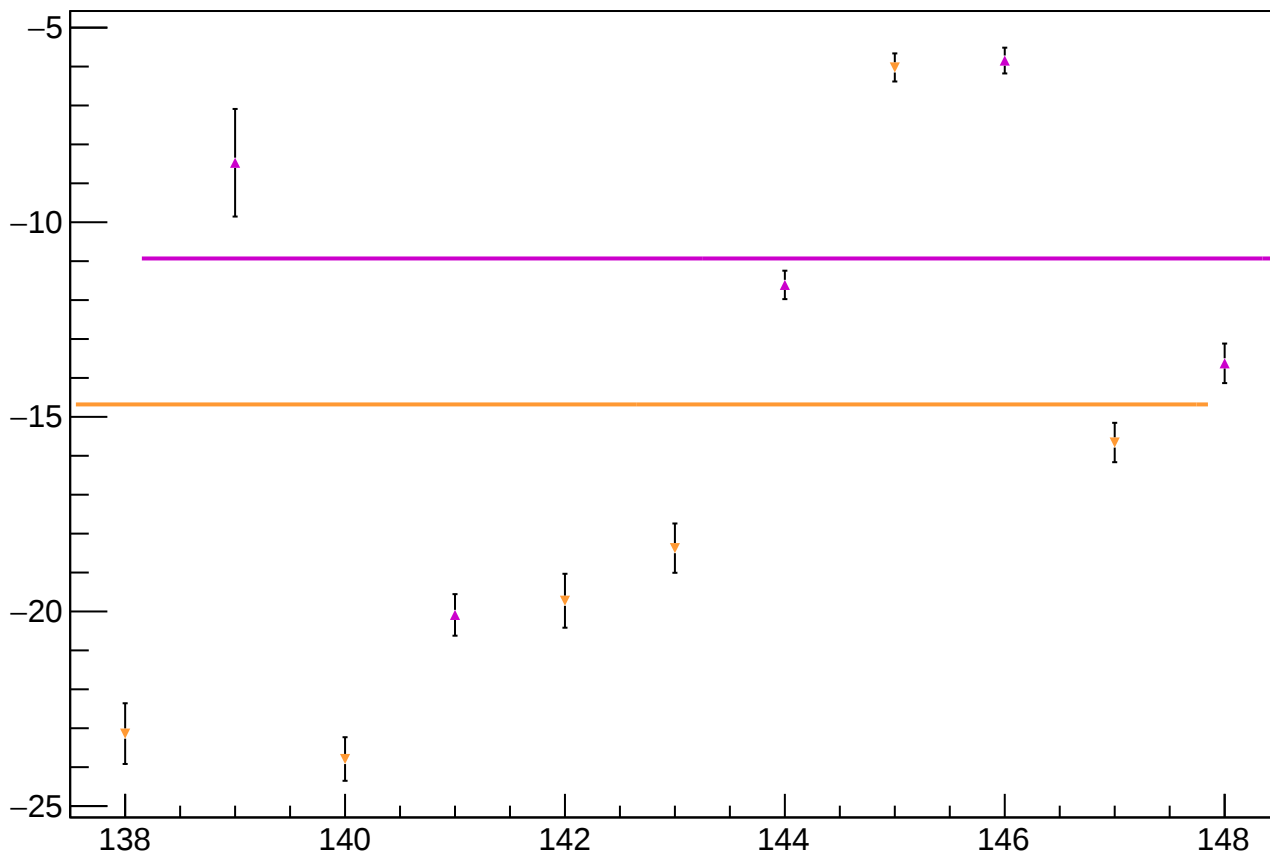
-52.652+/-0.261 χ^2/NDF : 1260.6/5

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

-48.988+/-0.247 χ^2/NDF : 1731.4/4

Left In: -48.988+/-0.247 χ^2/NDF : 1731.4/4

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



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

Left Out: -14.681+/-0.218 χ^2/NDF : 1048.6/5

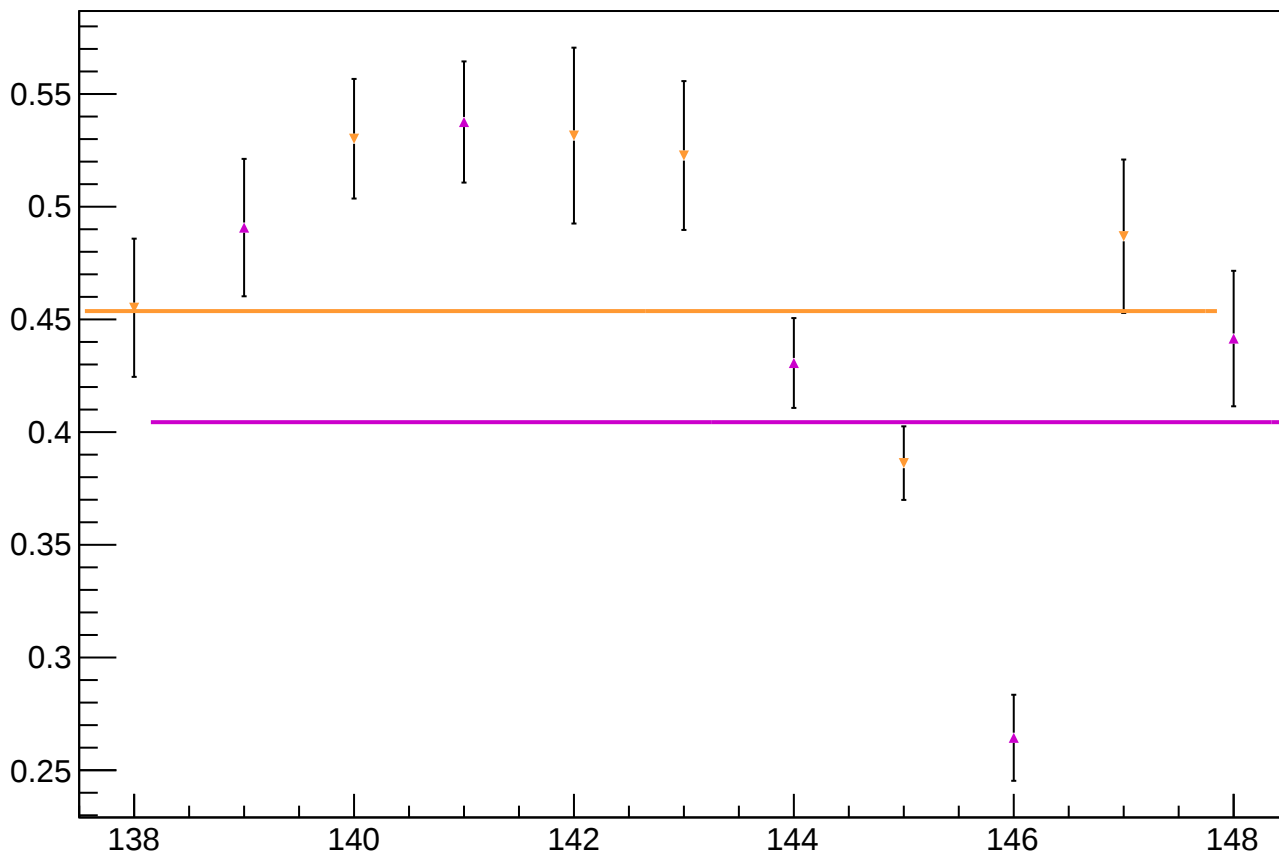
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -10.931+/-0.202 χ^2/NDF : 564.7/4

-14.681+/-0.218 χ^2/NDF : 1048.6/5

-10.931+/-0.202 χ^2/NDF : 564.7/4

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.454+/-0.011 χ^2/NDF : 34.7/5

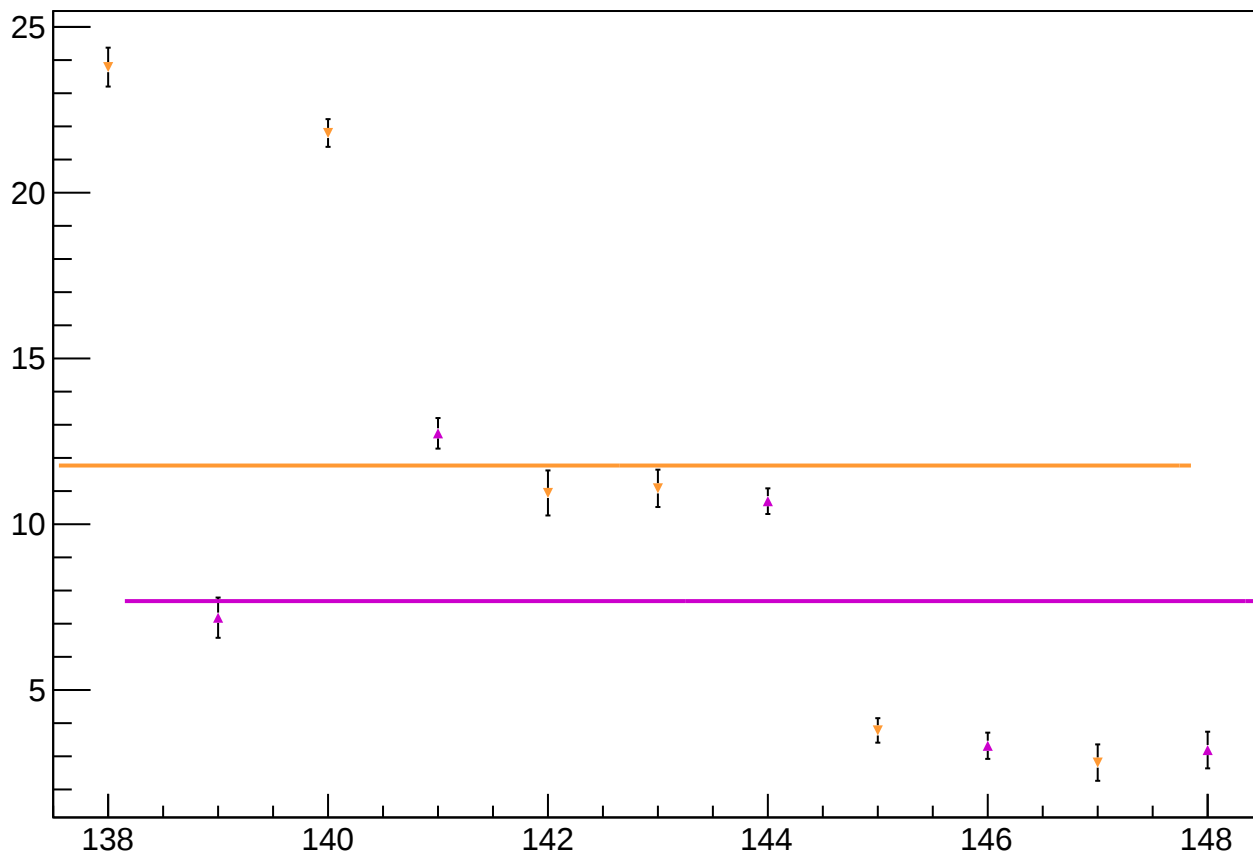
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.404+/-0.011 χ^2/NDF : 89.6/4

0.454+/-0.011 χ^2/NDF : 34.7/5

0.404+/-0.011 χ^2/NDF : 89.6/4

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 11.771+/-0.202 χ^2/NDF :1731.6/5

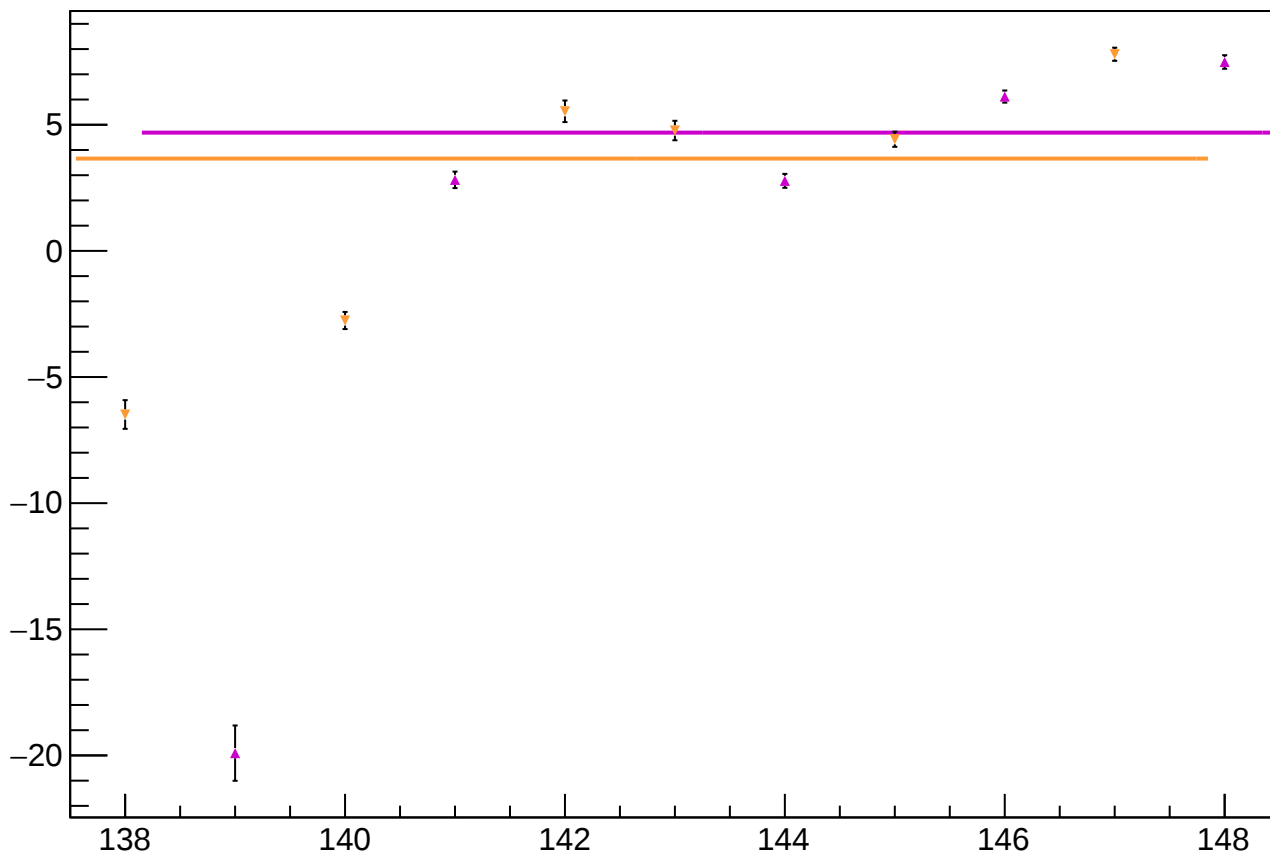
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 7.682+/-0.205 χ^2/NDF :369.5/4

11.771+/-0.202 χ^2/NDF : 1731.6/5

7.682+/-0.205 χ^2/NDF : 369.5/4

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 3.659+/-0.142 χ^2/NDF : 960.4/5

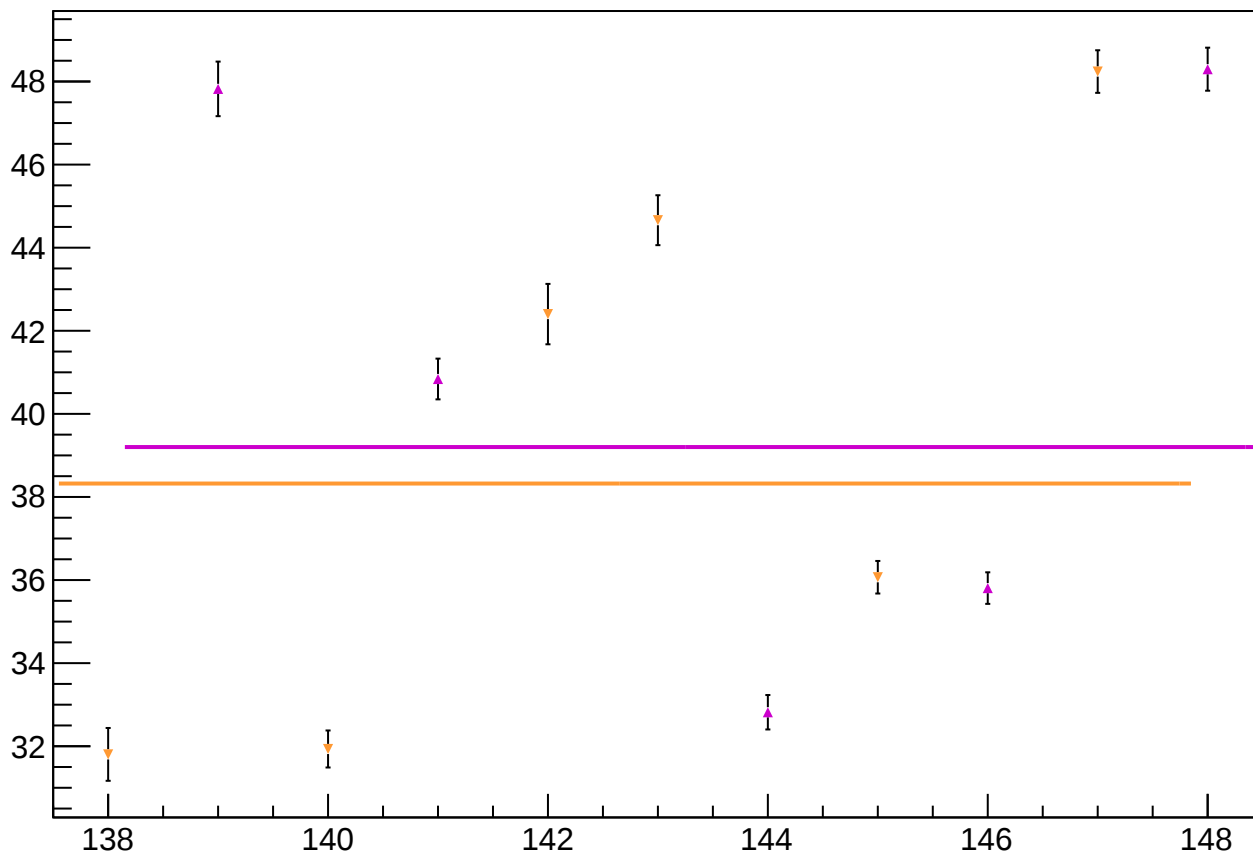
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 4.688+/-0.136 χ^2/NDF : 727.1/4

3.659+/-0.142 χ^2/NDF : 960.4/5

4.688+/-0.136 χ^2/NDF : 727.1/4

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 38.323+/-0.211 χ^2/NDF : 861.0/5

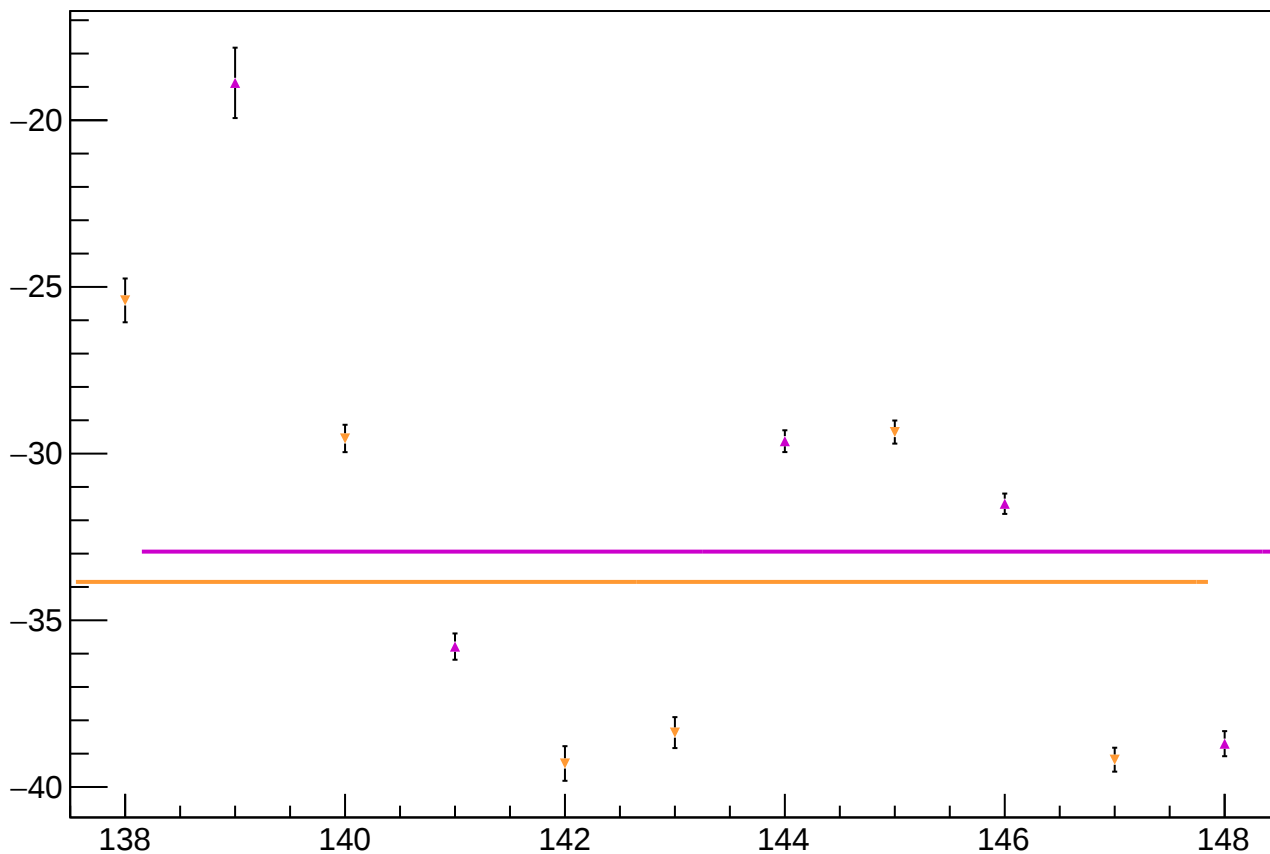
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 39.201+/-0.209 χ^2/NDF : 808.8/4

38.323+/-0.211 χ^2/NDF : 861.0/5

39.201+/-0.209 χ^2/NDF : 808.8/4

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -33.848+/-0.175 χ^2/NDF : 868.7/5

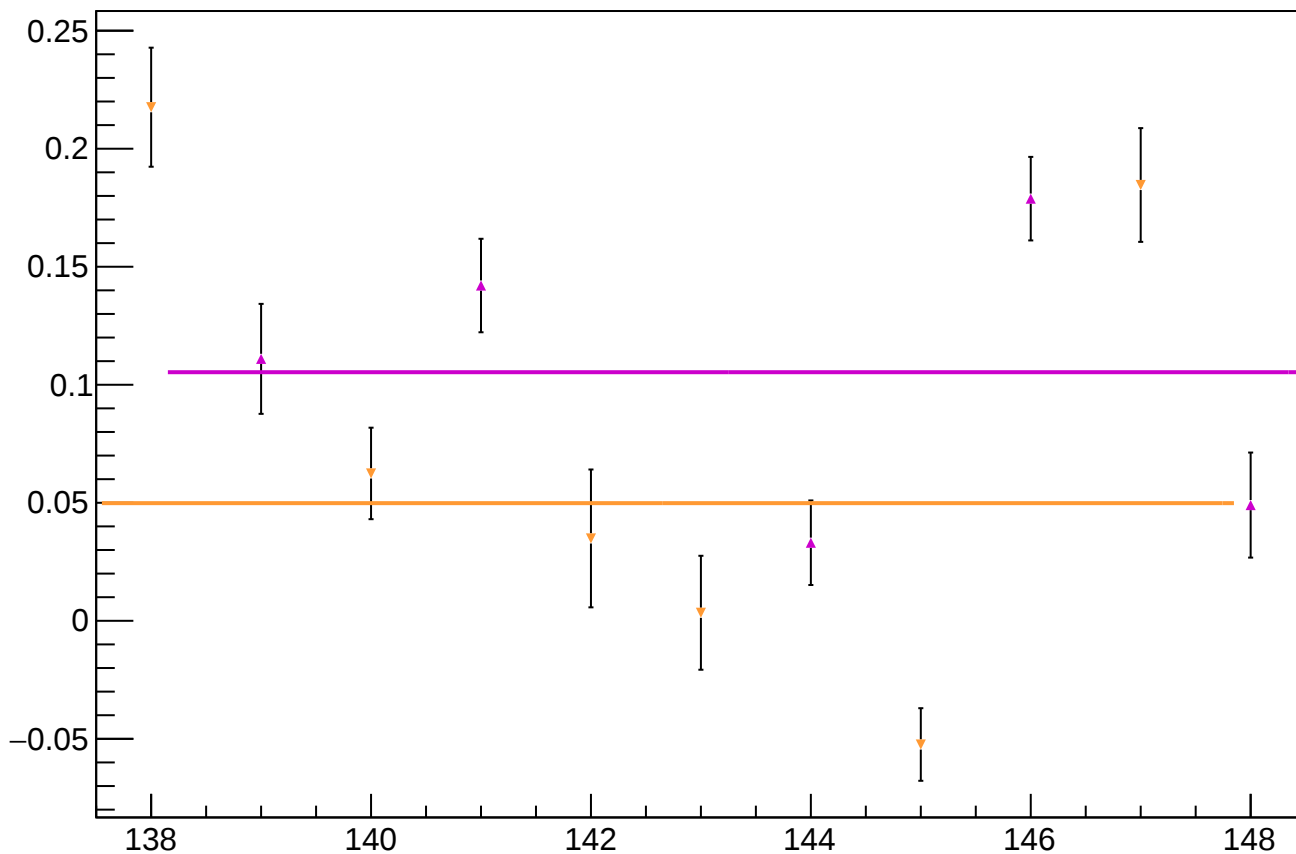
-33.848+/-0.175 χ^2/NDF : 868.7/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -32.940+/-0.170 χ^2/NDF : 588.6/4

-32.940+/-0.170 χ^2/NDF : 588.6/4

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.050 $\pm$ 0.009 χ^2 /NDF:124.1/5

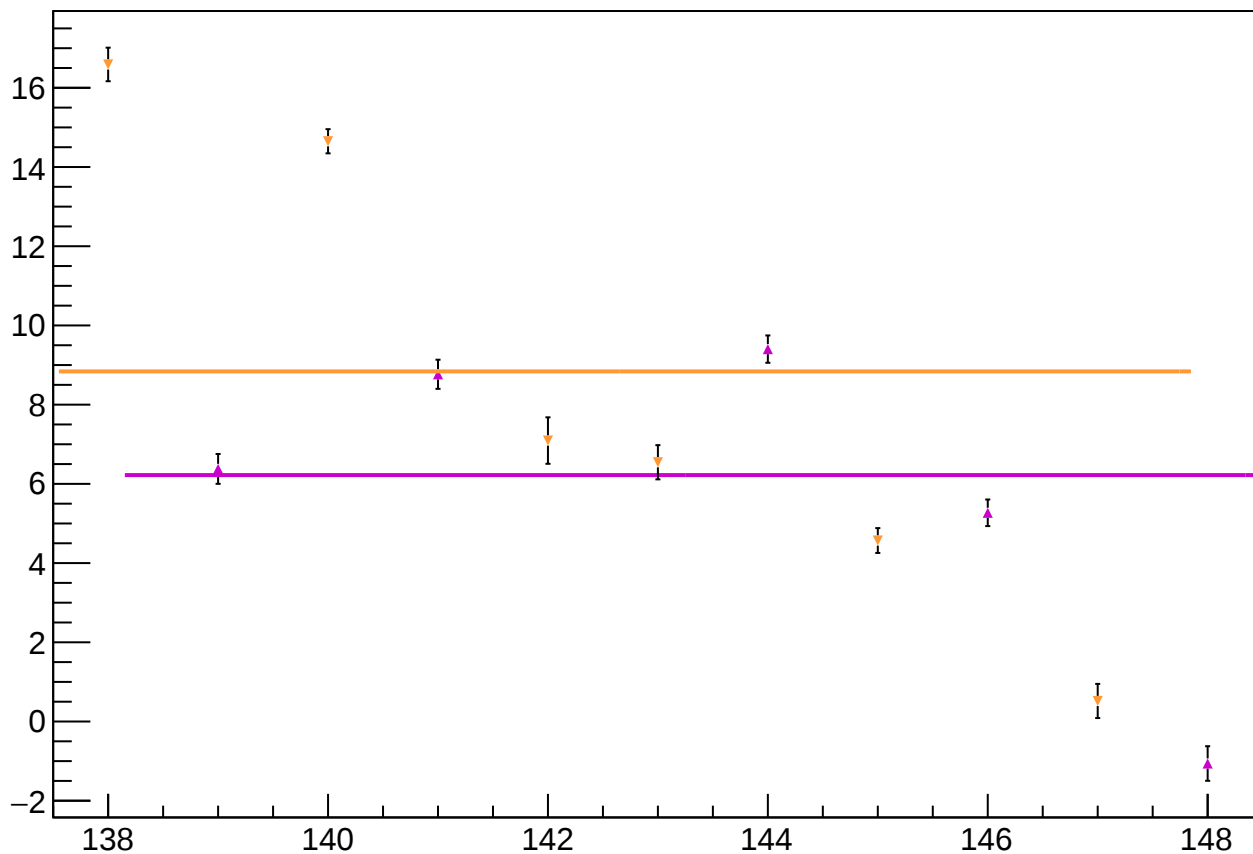
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.105 $\pm$ 0.009 χ^2 /NDF:43.4/4

0.050 $\pm$ 0.009 χ^2 /NDF: 124.1/5

0.105 $\pm$ 0.009 χ^2 /NDF: 43.4/4

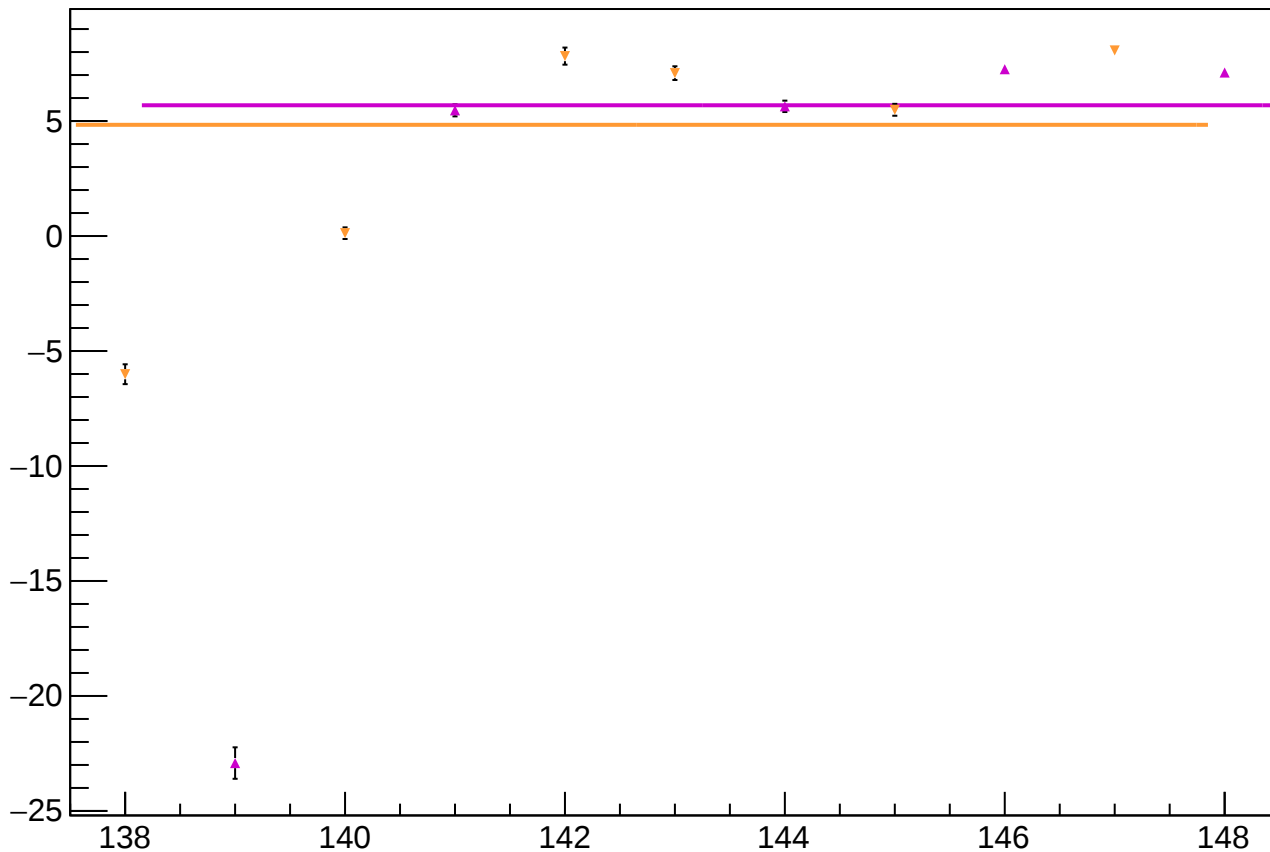
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.840 $\pm$ 0.158 χ^2 /NDF:1291.7/5
 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

8.840 $\pm$ 0.158 χ^2 /NDF: 1291.7/5
 6.222 $\pm$ 0.164 χ^2 /NDF: 419.3/4

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 4.835+/-0.113 χ^2/NDF : 1350.6/5

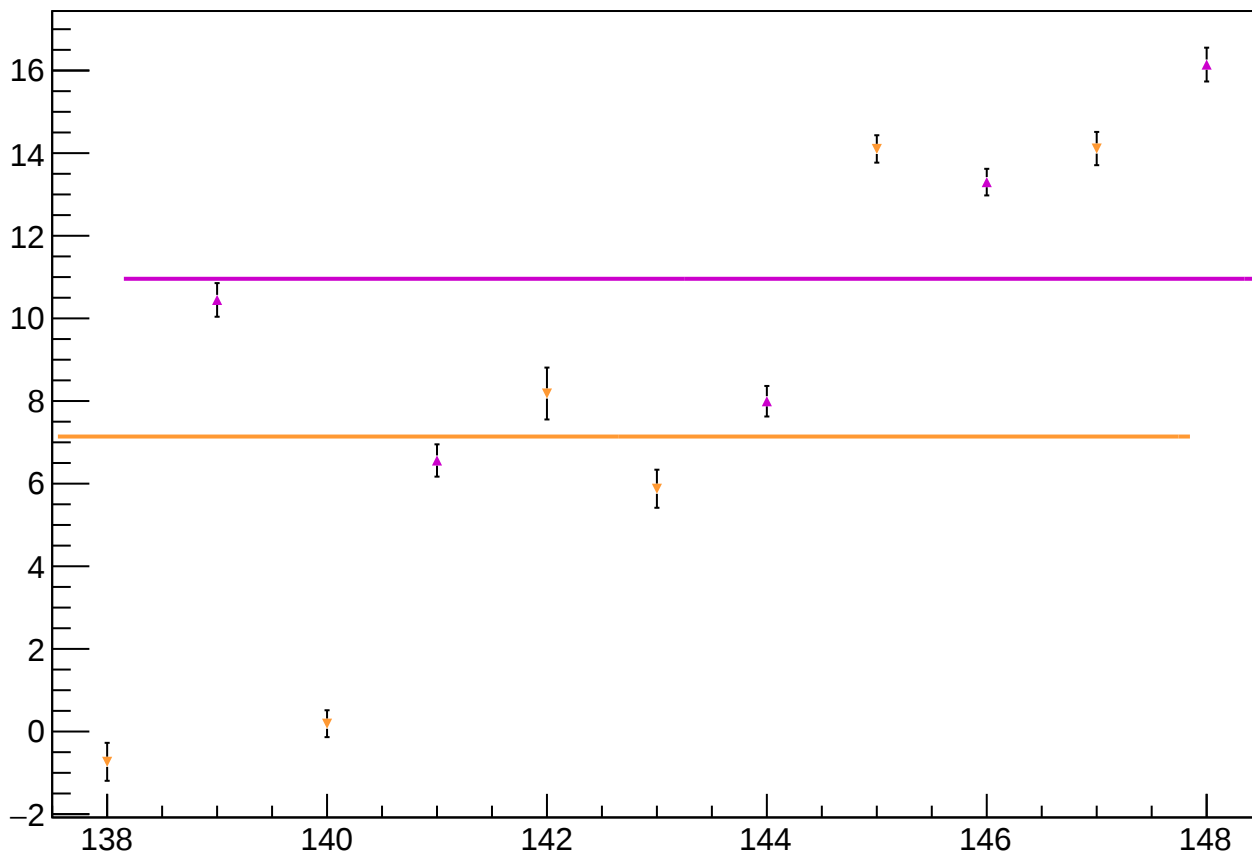
4.835+/-0.113 χ^2/NDF : 1350.6/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 5.685+/-0.114 χ^2/NDF : 1845.1/4

5.685+/-0.114 χ^2/NDF : 1845.1/4

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 7.140 $\pm$ 0.165 χ^2 /NDF:1501.0/5

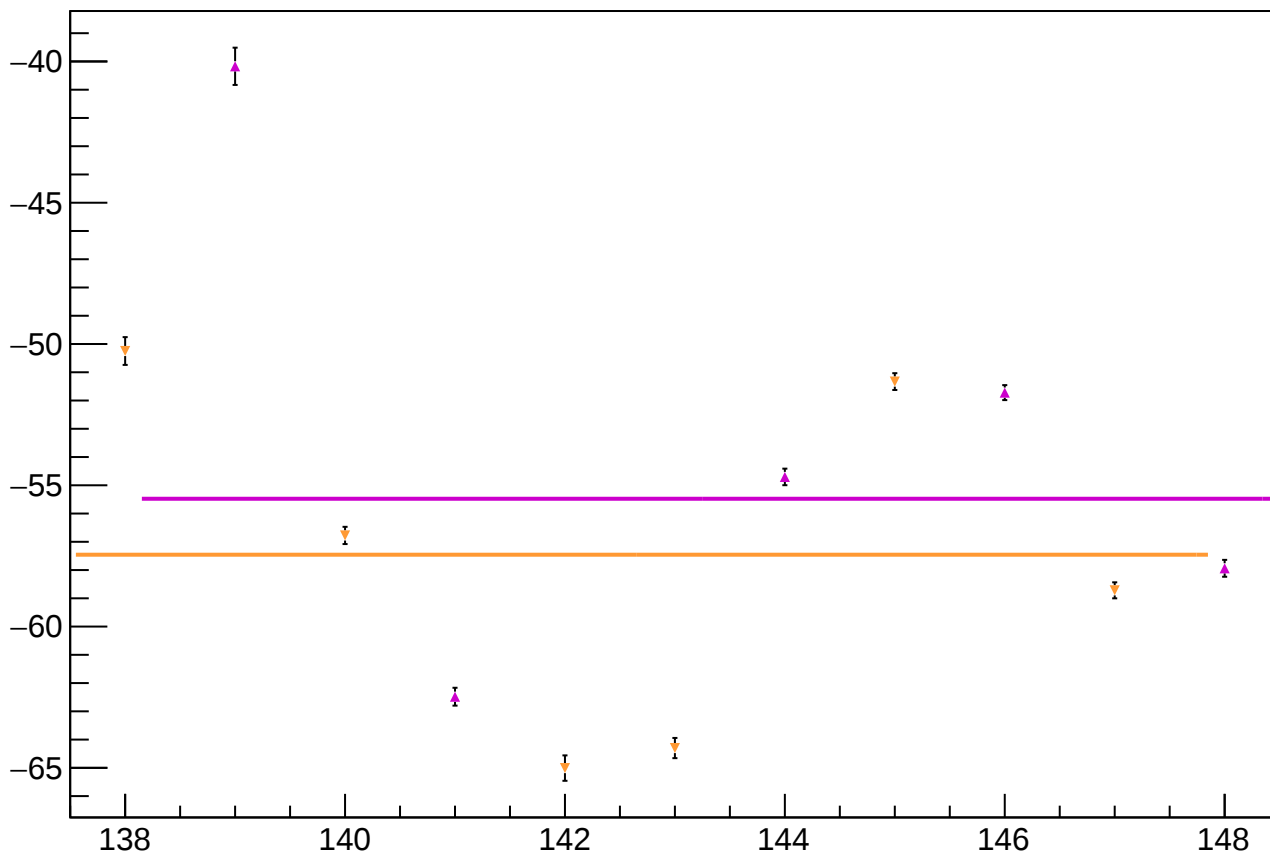
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 10.959 $\pm$ 0.168 χ^2 /NDF:405.6/4

7.140 $\pm$ 0.165 χ^2 /NDF: 1501.0/5

10.959 $\pm$ 0.168 χ^2 /NDF: 405.6/4

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -57.457+/-0.139 χ^2/NDF : 1313.0/5

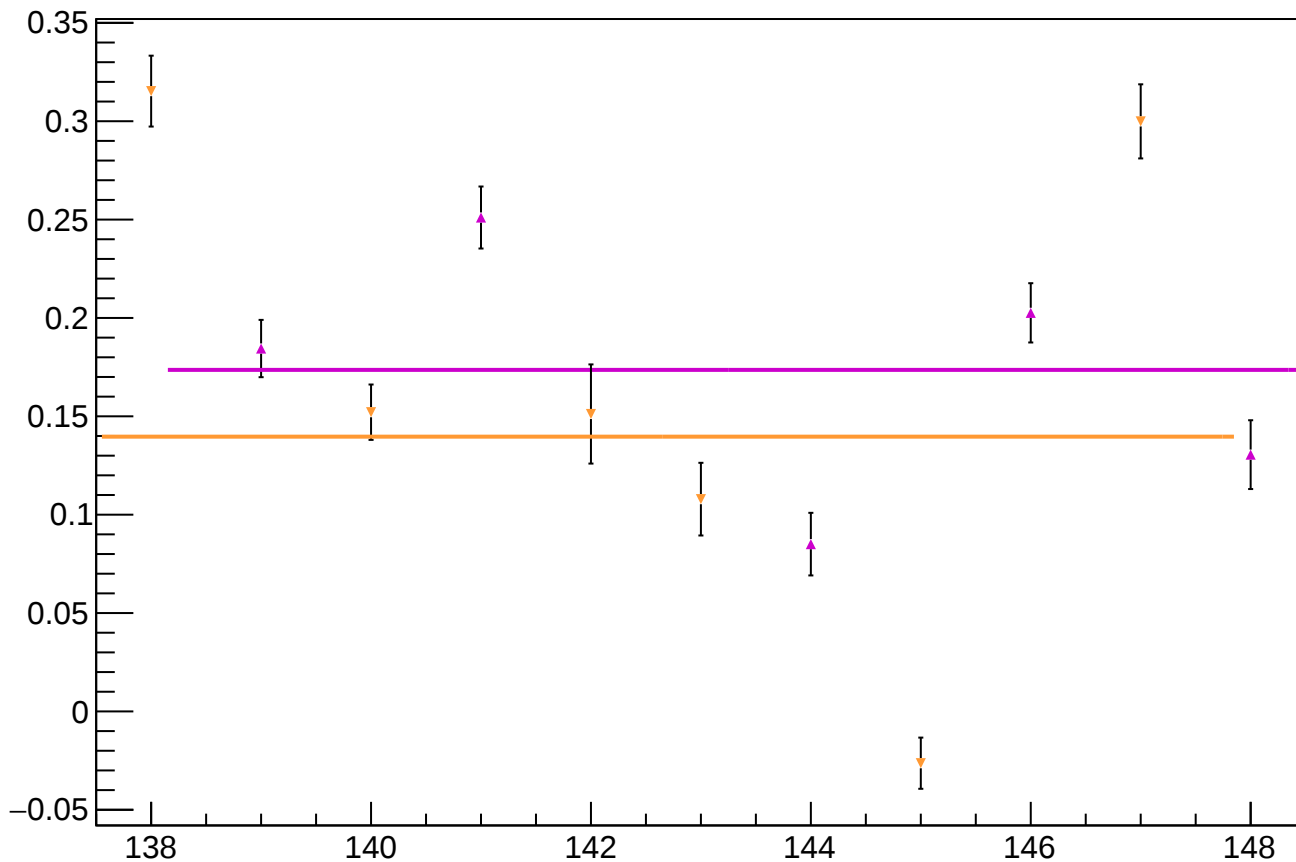
-57.457+/-0.139 χ^2/NDF : 1313.0/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-55.477+/-0.142 χ^2/NDF : 1306.3/4

Left In: -55.477+/-0.142 χ^2/NDF : 1306.3/4

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.140+/-0.007 χ^2/NDF : 334.1/5

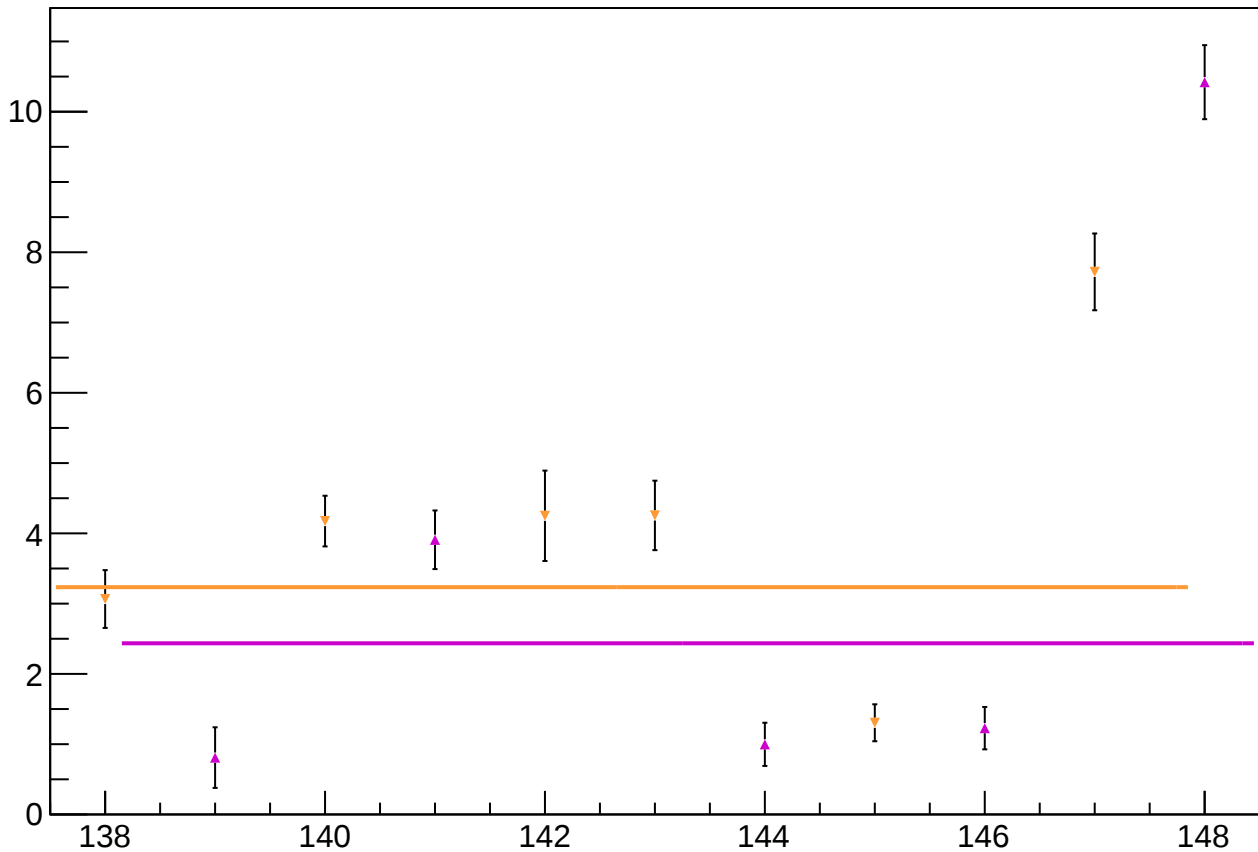
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.174+/-0.007 χ^2/NDF : 65.5/4

0.140+/-0.007 χ^2/NDF : 334.1/5

0.174+/-0.007 χ^2/NDF : 65.5/4

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 3.234 $\pm$ 0.162 χ^2 /NDF:135.0/5

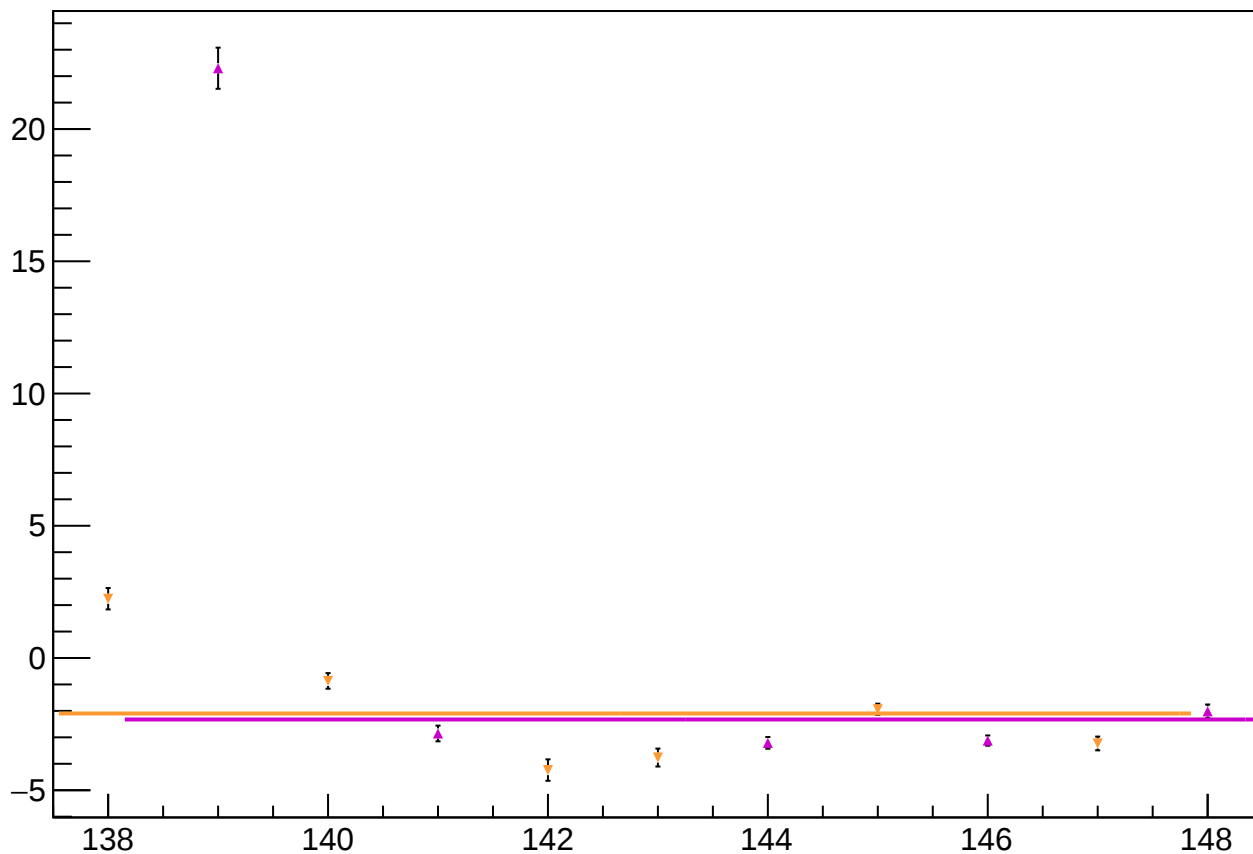
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 2.436 $\pm$ 0.166 χ^2 /NDF:294.4/4

3.234 $\pm$ 0.162 χ^2 /NDF: 135.0/5

2.436 $\pm$ 0.166 χ^2 /NDF: 294.4/4

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2.098+/-0.120 χ^2/NDF : 204.2/5

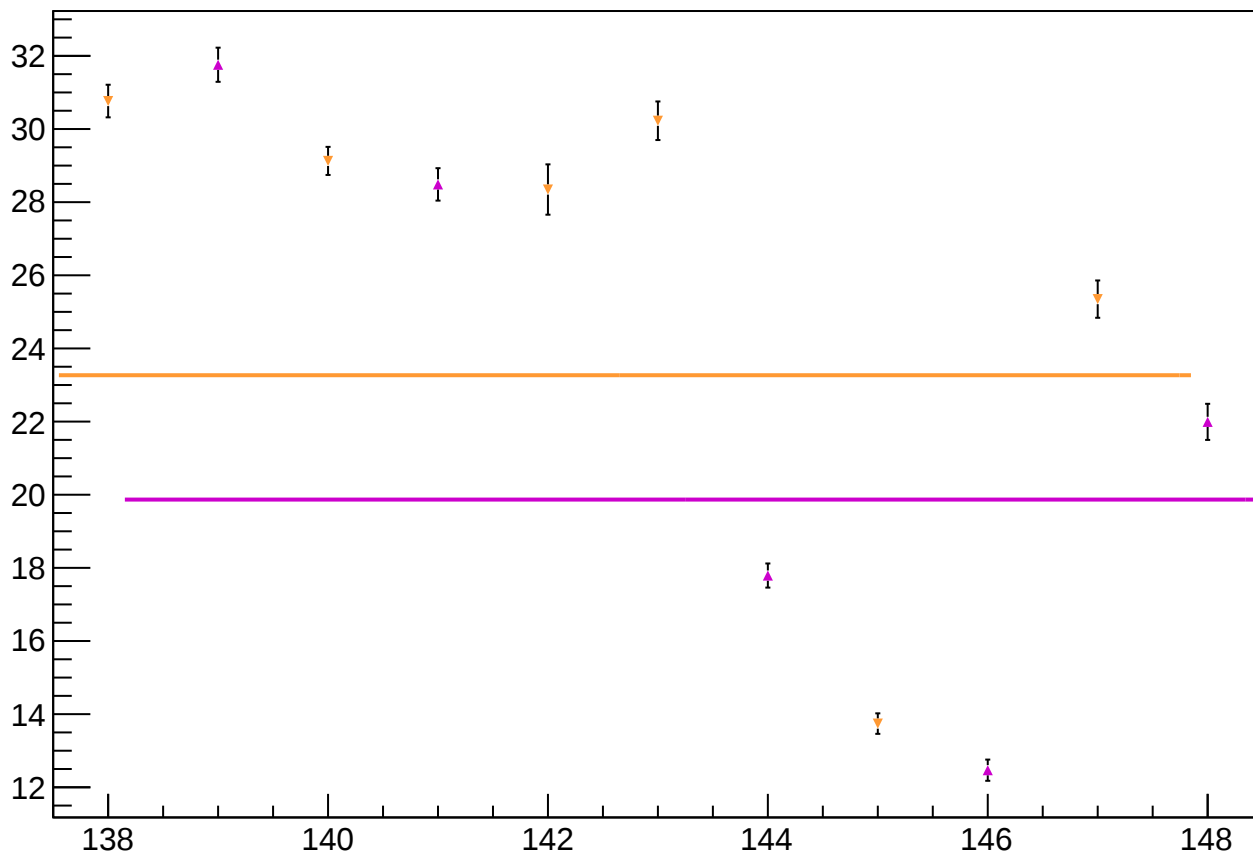
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2.325+/-0.115 χ^2/NDF : 1041.6/4

-2.098+/-0.120 χ^2/NDF : 204.2/5

-2.325+/-0.115 χ^2/NDF : 1041.6/4

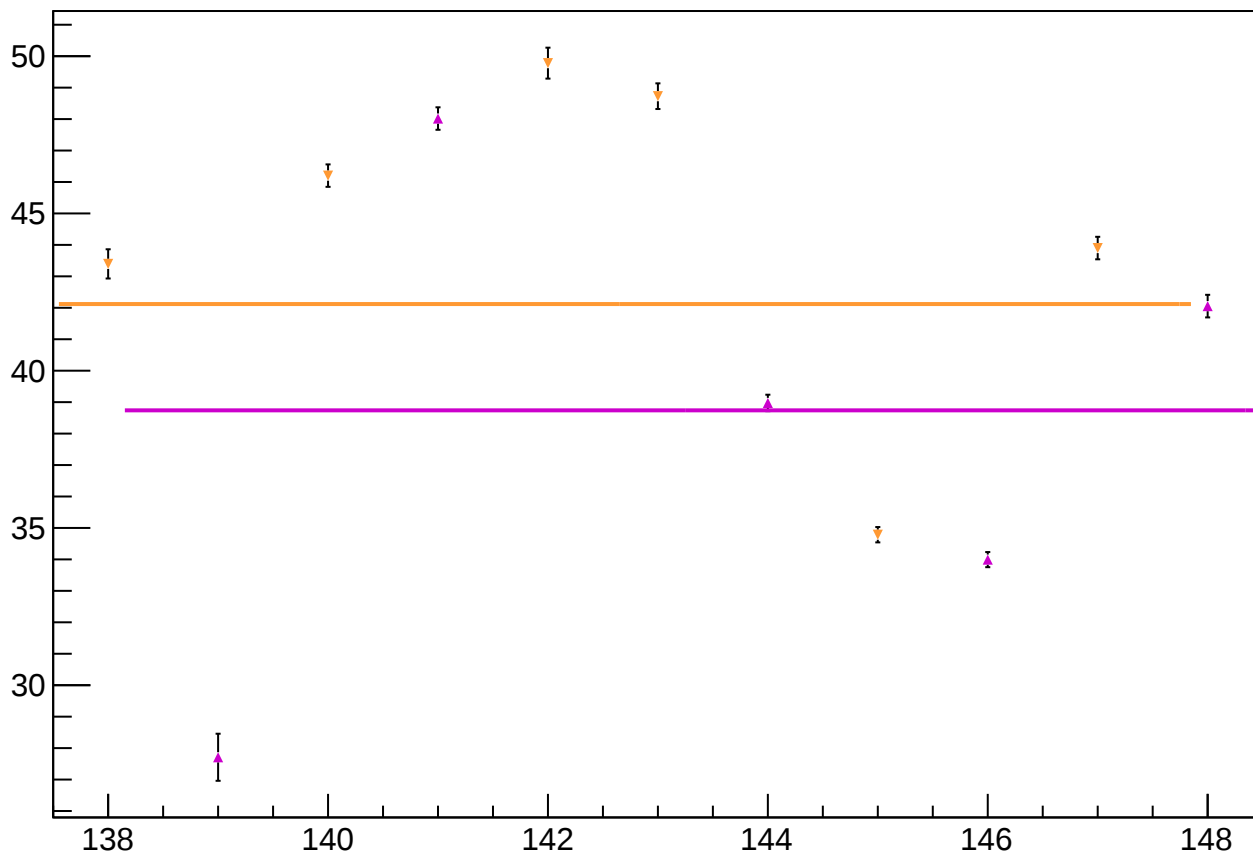
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 23.268+/-0.171 χ^2/NDF :1915.4/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 19.867+/-0.169 χ^2/NDF :1735.3/4

23.268+/-0.171 χ^2/NDF : 1915.4/5
 19.867+/-0.169 χ^2/NDF : 1735.3/4

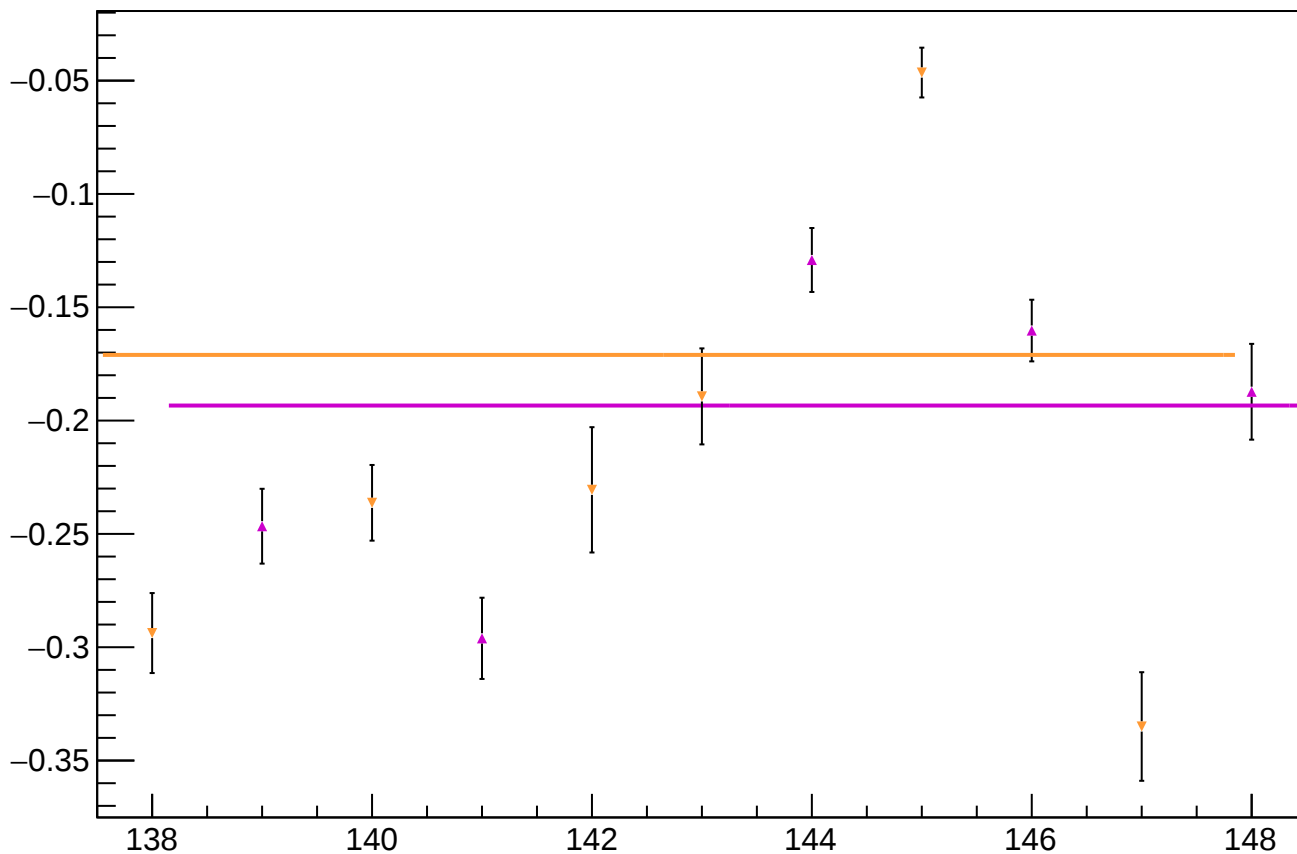
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 42.119 $\pm$ 0.145 χ^2 /NDF:1571.8/5
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 38.739 $\pm$ 0.142 χ^2 /NDF:1365.9/4

42.119 $\pm$ 0.145 χ^2 /NDF: 1571.8/5
 38.739 $\pm$ 0.142 χ^2 /NDF: 1365.9/4

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.171+/-0.007 χ^2/NDF : 244.5/5

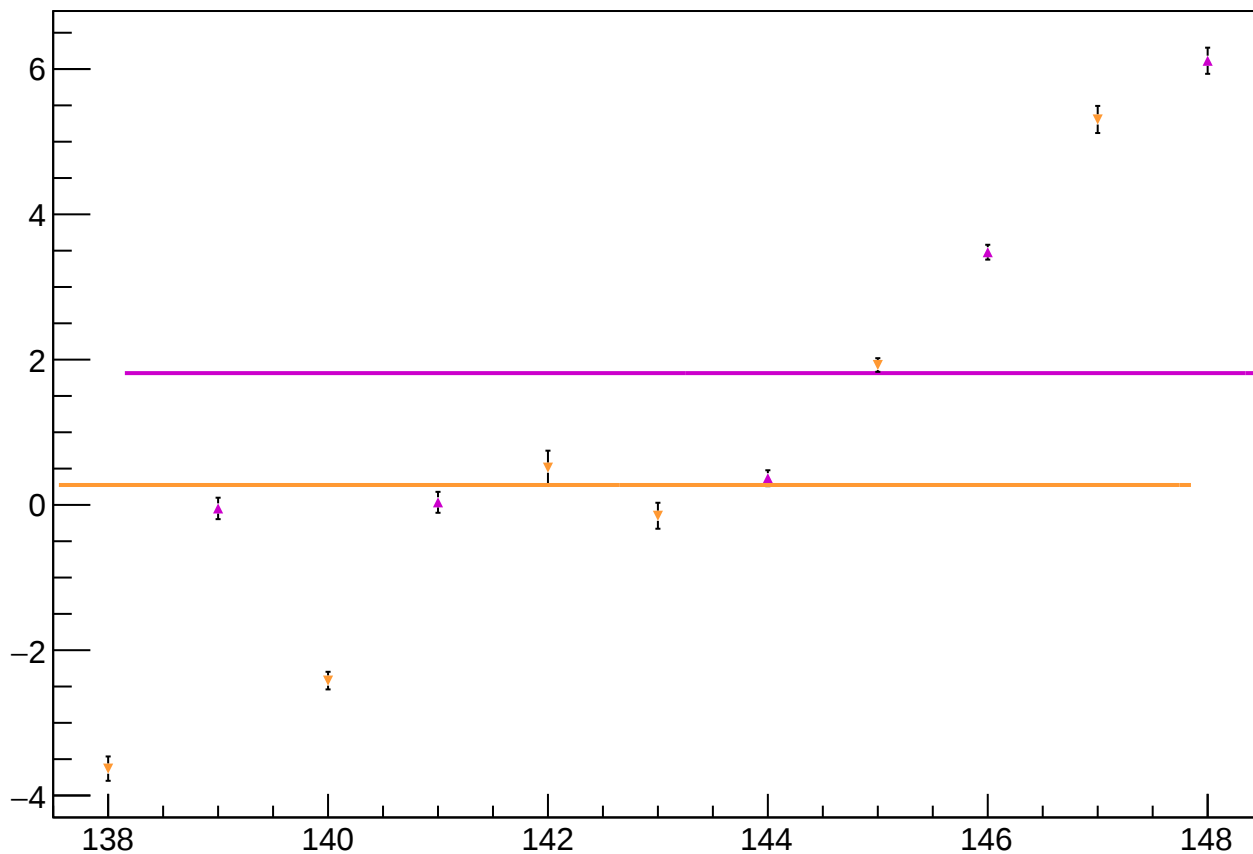
-0.171+/-0.007 χ^2/NDF : 244.5/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.193+/-0.007 χ^2/NDF : 70.0/4

Left In: -0.193+/-0.007 χ^2/NDF : 70.0/4

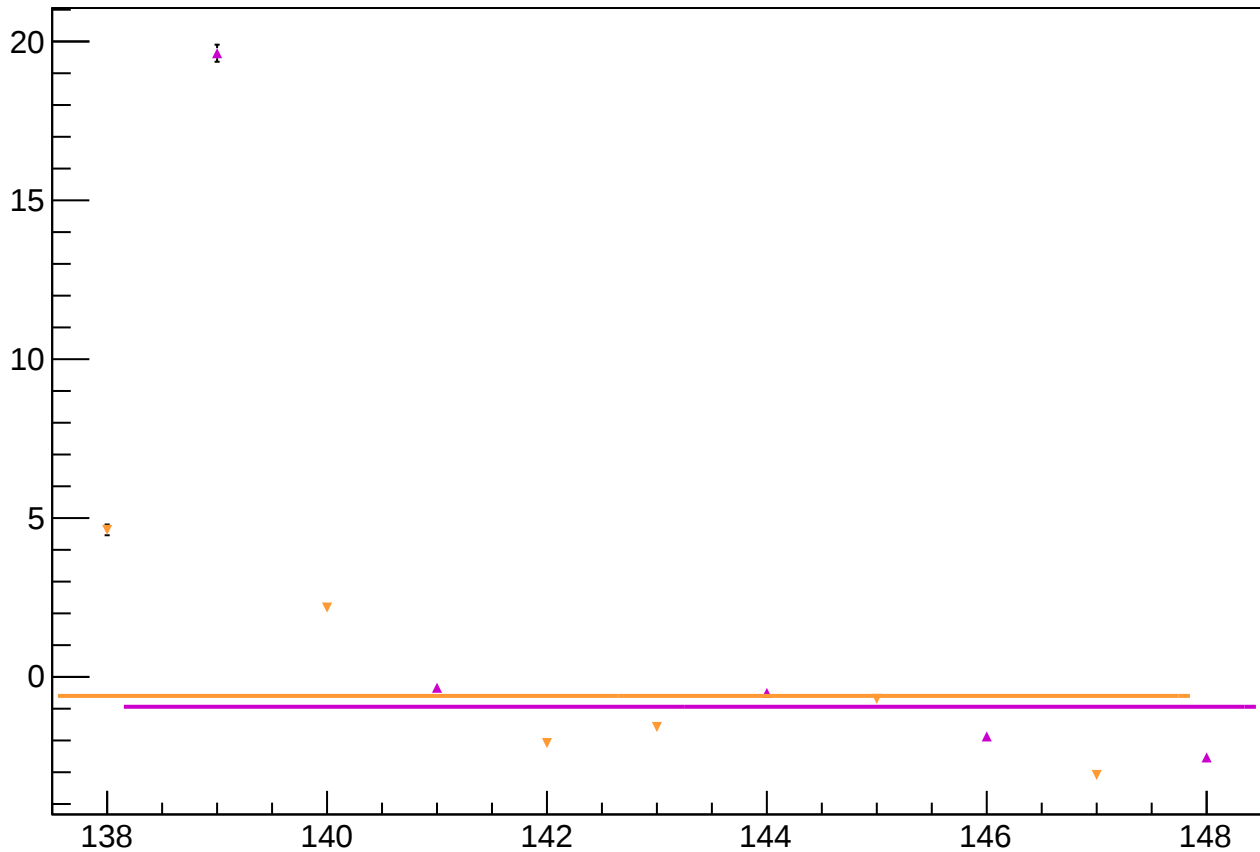
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.274 $\pm$ 0.058 χ^2 /NDF:2080.2/5
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.814 $\pm$ 0.057 χ^2 /NDF:1321.5/4

0.274 $\pm$ 0.058 χ^2 /NDF: 2080.2/5
 1.814 $\pm$ 0.057 χ^2 /NDF: 1321.5/4

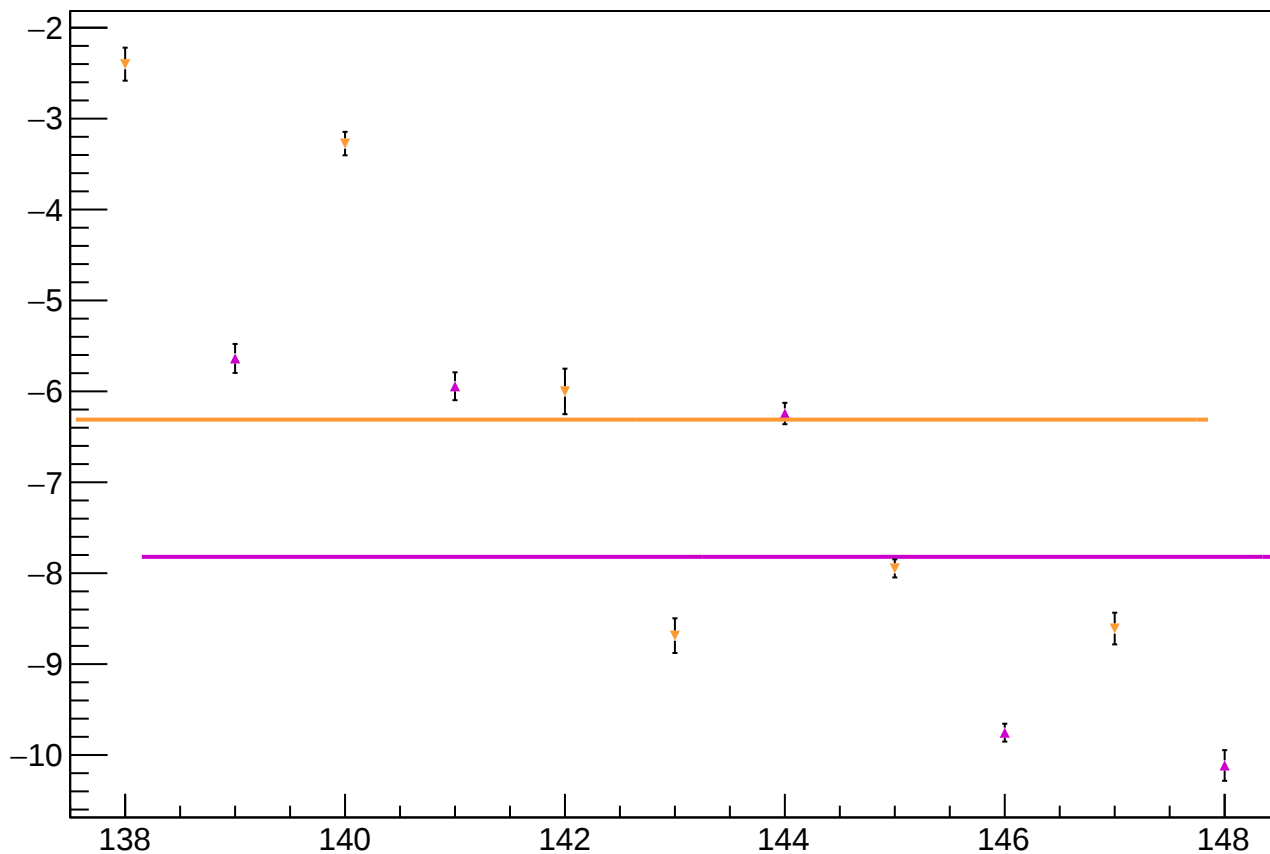
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.597+/-0.043 χ^2/NDF : 2664.5/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.939+/-0.040 χ^2/NDF : 6428.3/4

-0.597+/-0.043 χ^2/NDF : 2664.5/5
 -0.939+/-0.040 χ^2/NDF : 6428.3/4

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -6.311+/-0.061 χ^2/NDF : 1617.5/5

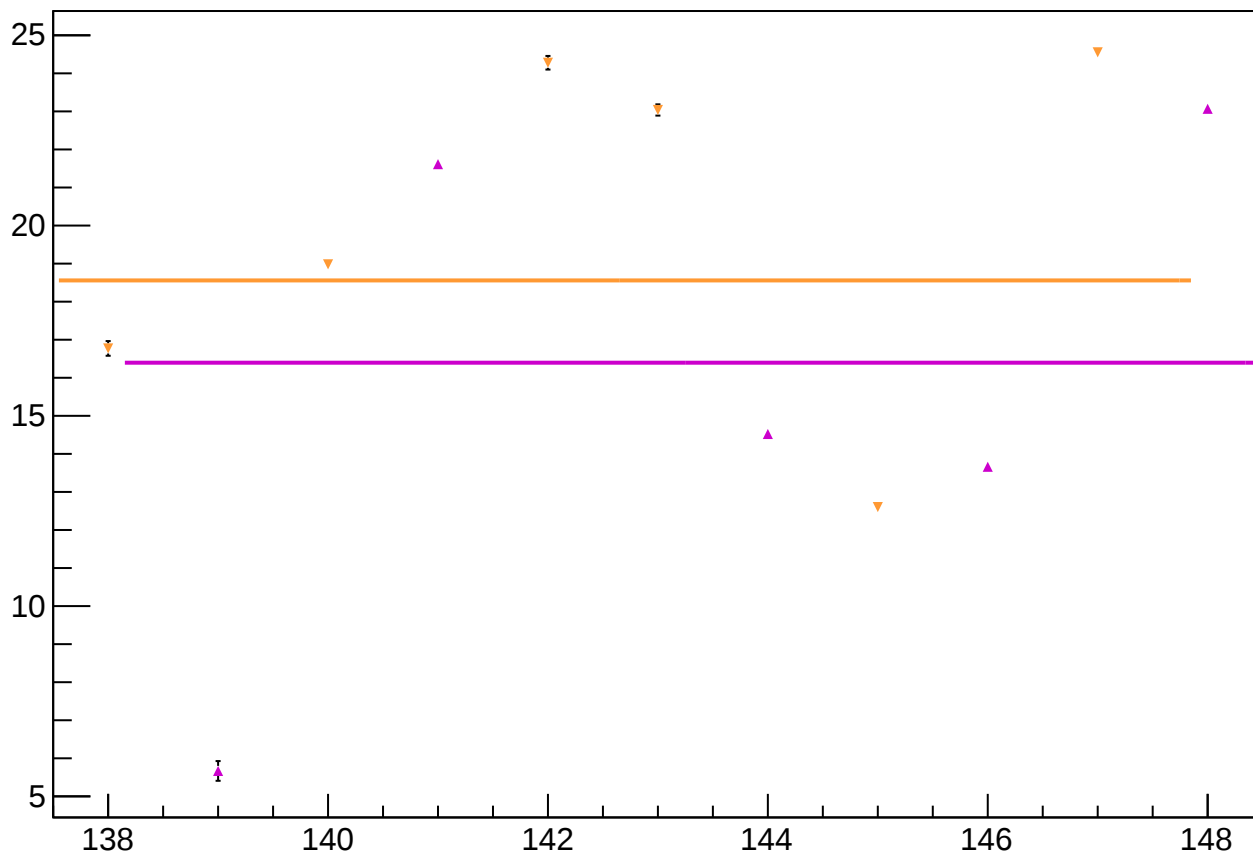
-6.311+/-0.061 χ^2/NDF : 1617.5/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -7.820+/-0.058 χ^2/NDF : 1088.2/4

-7.820+/-0.058 χ^2/NDF : 1088.2/4

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 18.558+/-0.052 χ^2/NDF : 8983.8/5

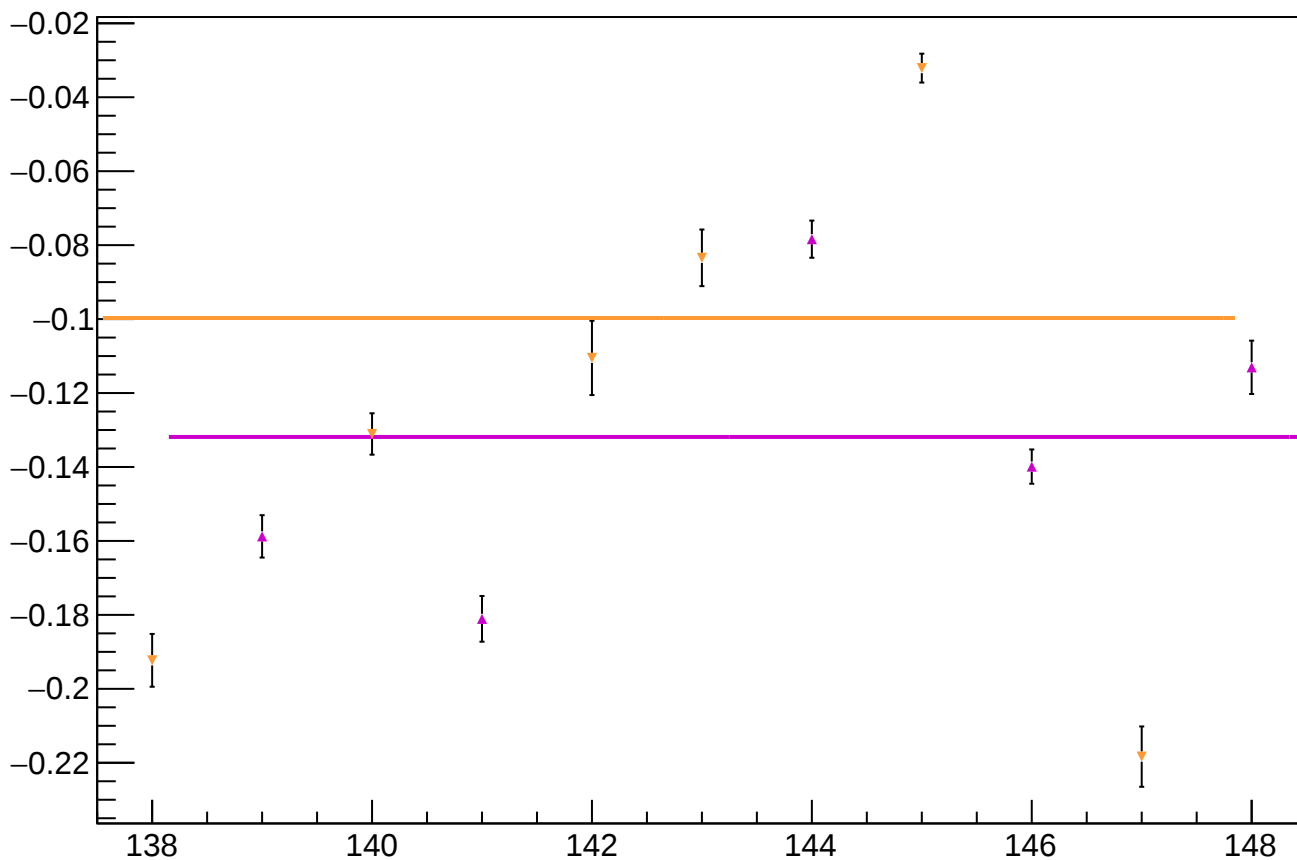
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 16.396+/-0.049 χ^2/NDF : 7927.2/4

18.558+/-0.052 χ^2/NDF : 8983.8/5

16.396+/-0.049 χ^2/NDF : 7927.2/4

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.100+/-0.003 χ^2/NDF : 715.4/5

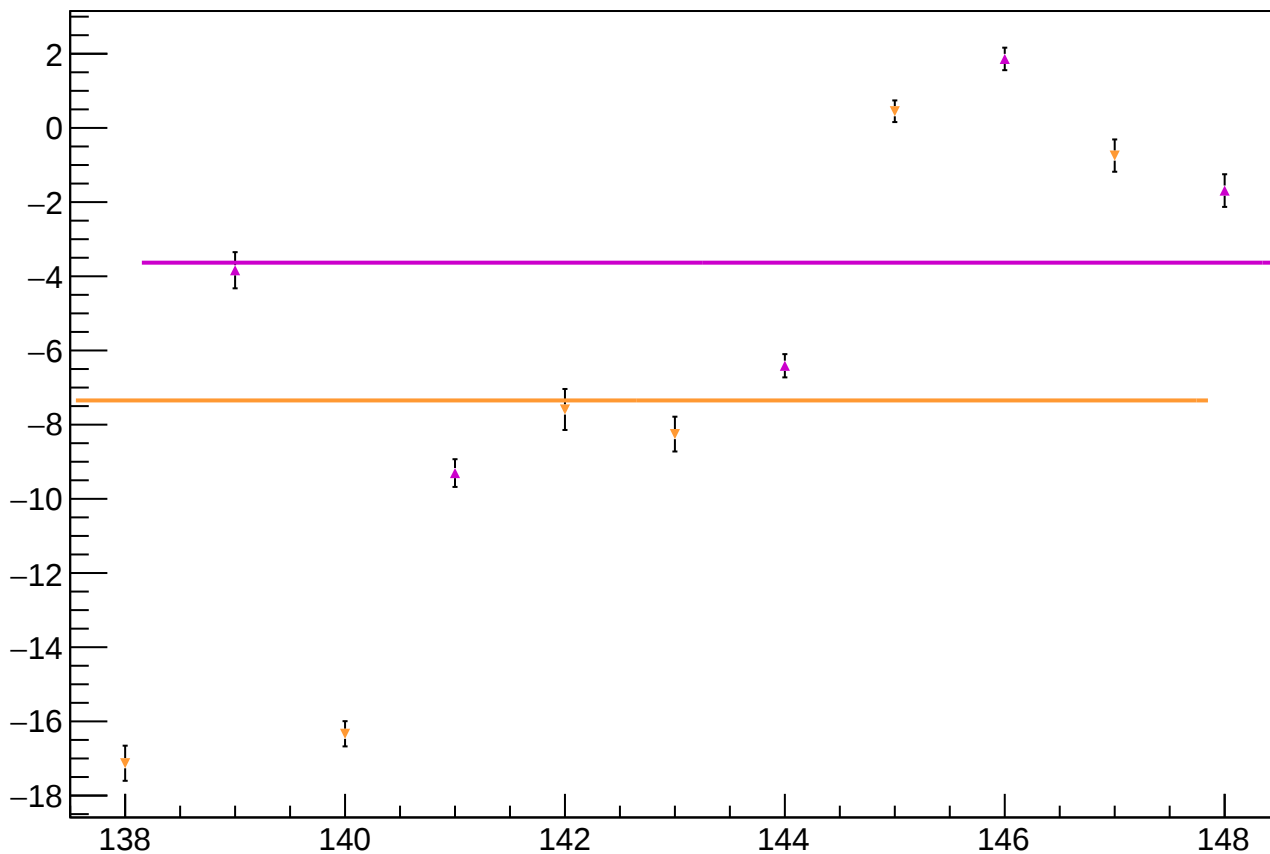
-0.100+/-0.003 χ^2/NDF : 715.4/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.132+/-0.002 χ^2/NDF : 208.4/4

Left In: -0.132+/-0.002 χ^2/NDF : 208.4/4

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -7.347+/-0.162 χ^2/NDF : 2072.1/5

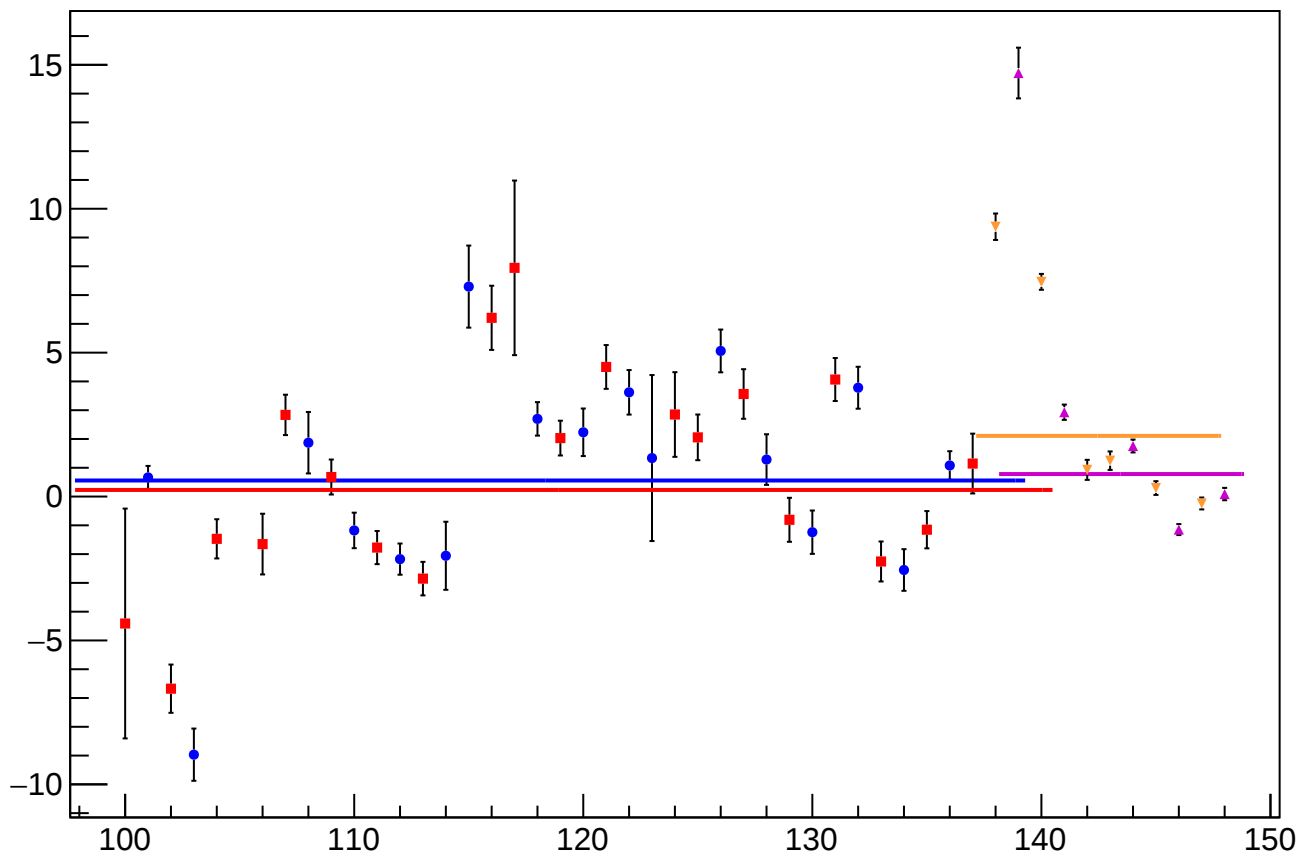
-7.347+/-0.162 χ^2/NDF : 2072.1/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -3.633+/-0.163 χ^2/NDF : 656.2/4

-3.633+/-0.163 χ^2/NDF : 656.2/4

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 $\chi^2/\text{NDF}: 287.9/16$

Left Out: 2.108 ± 0.114 $\chi^2/\text{NDF}: 830.2/5$

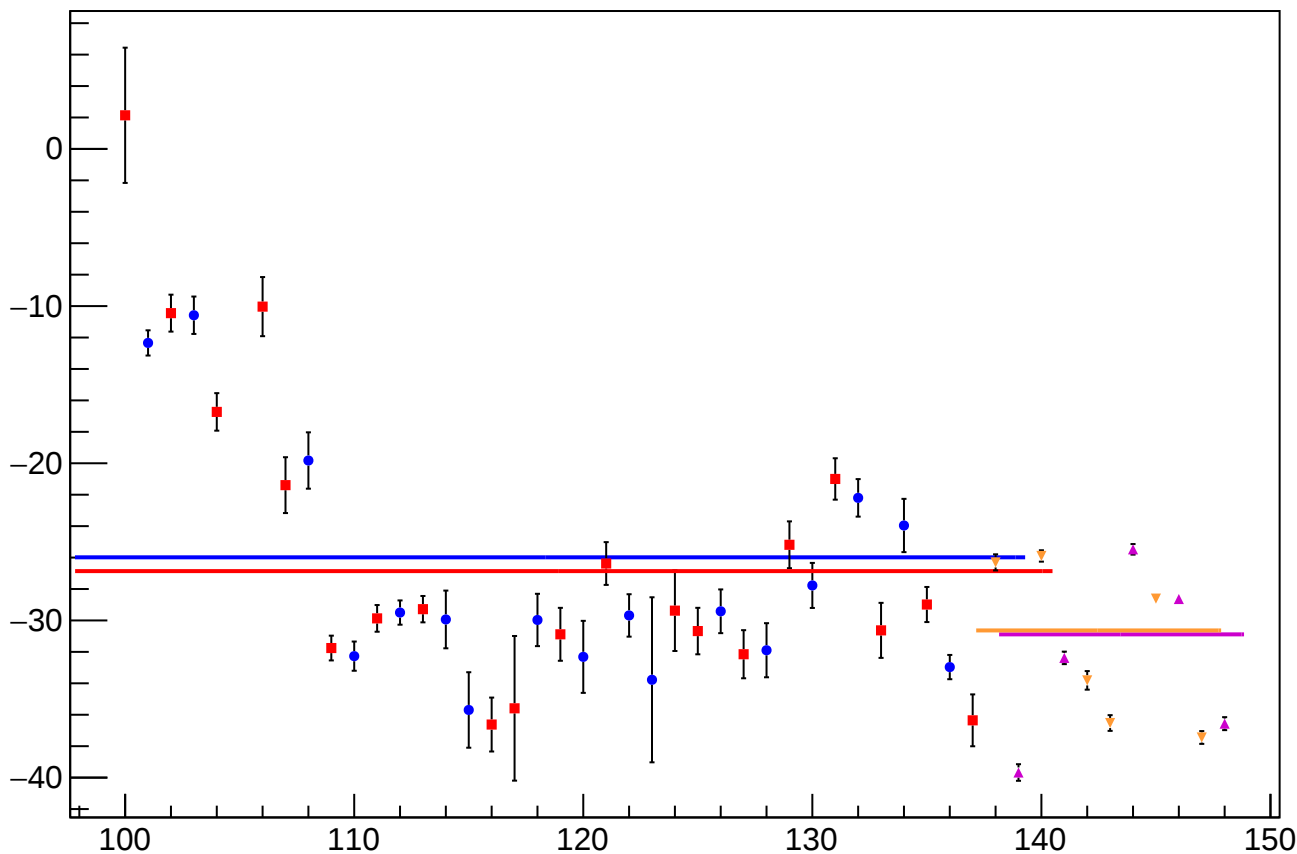
Right Out: 0.230 ± 0.174 $\chi^2/\text{NDF}: 278.5/19$

Left In: 0.782 ± 0.109 $\chi^2/\text{NDF}: 447.1/4$

1.626 ± 0.095 $\chi^2/\text{NDF}: 1175.4/22$

0.627 ± 0.092 $\chi^2/\text{NDF}: 732.9/24$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -30.636 ± 0.170 χ^2/NDF : 733.0/5

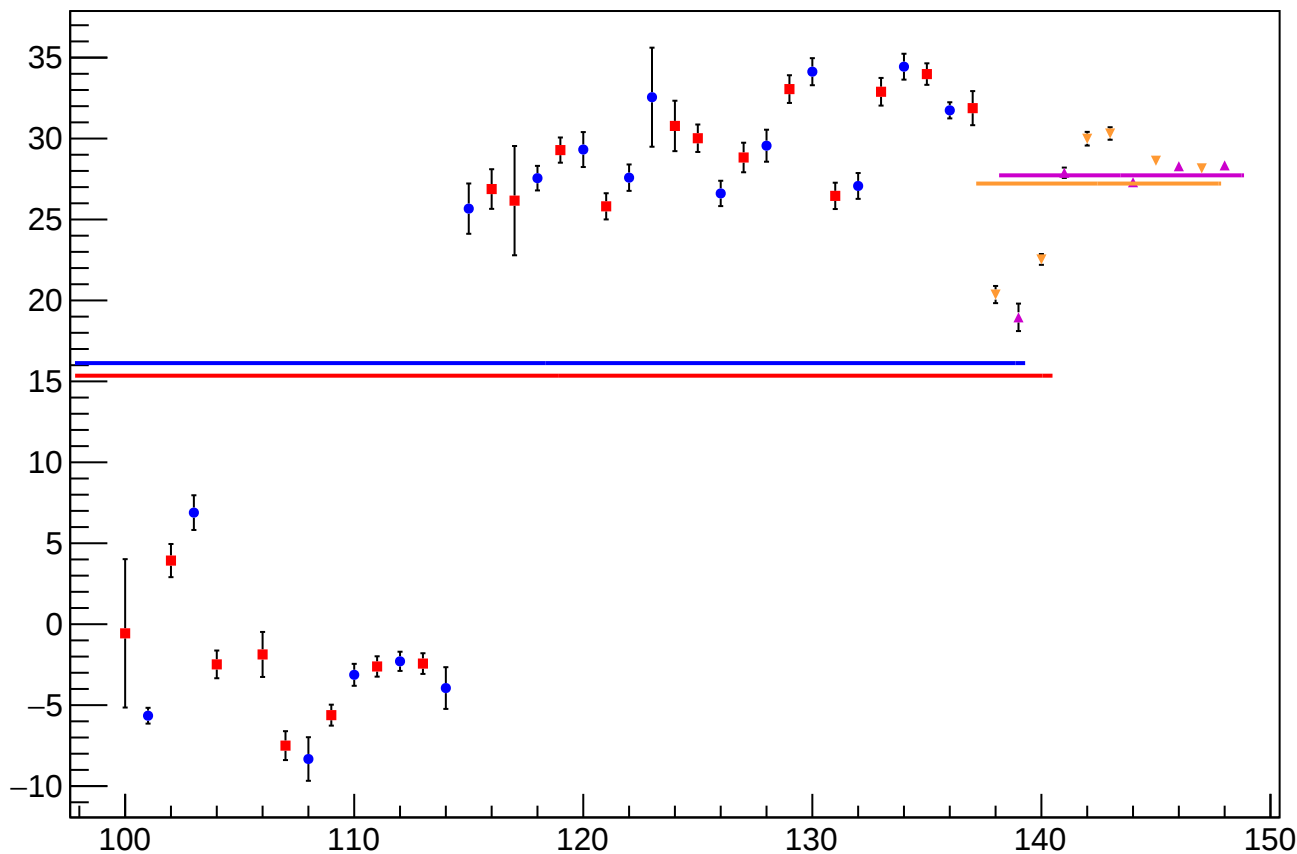
Right Out: -26.861 ± 0.297 χ^2/NDF : 585.2/19

Left In: -30.886 ± 0.166 χ^2/NDF : 799.7/4

-29.512 ± 0.148 χ^2/NDF : 1606.3/22

-29.930 ± 0.145 χ^2/NDF : 1524.9/24

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2/NDF : 7572.5/16

Left Out: 27.220 $\pm$ 0.141 χ^2/NDF : 508.2/5

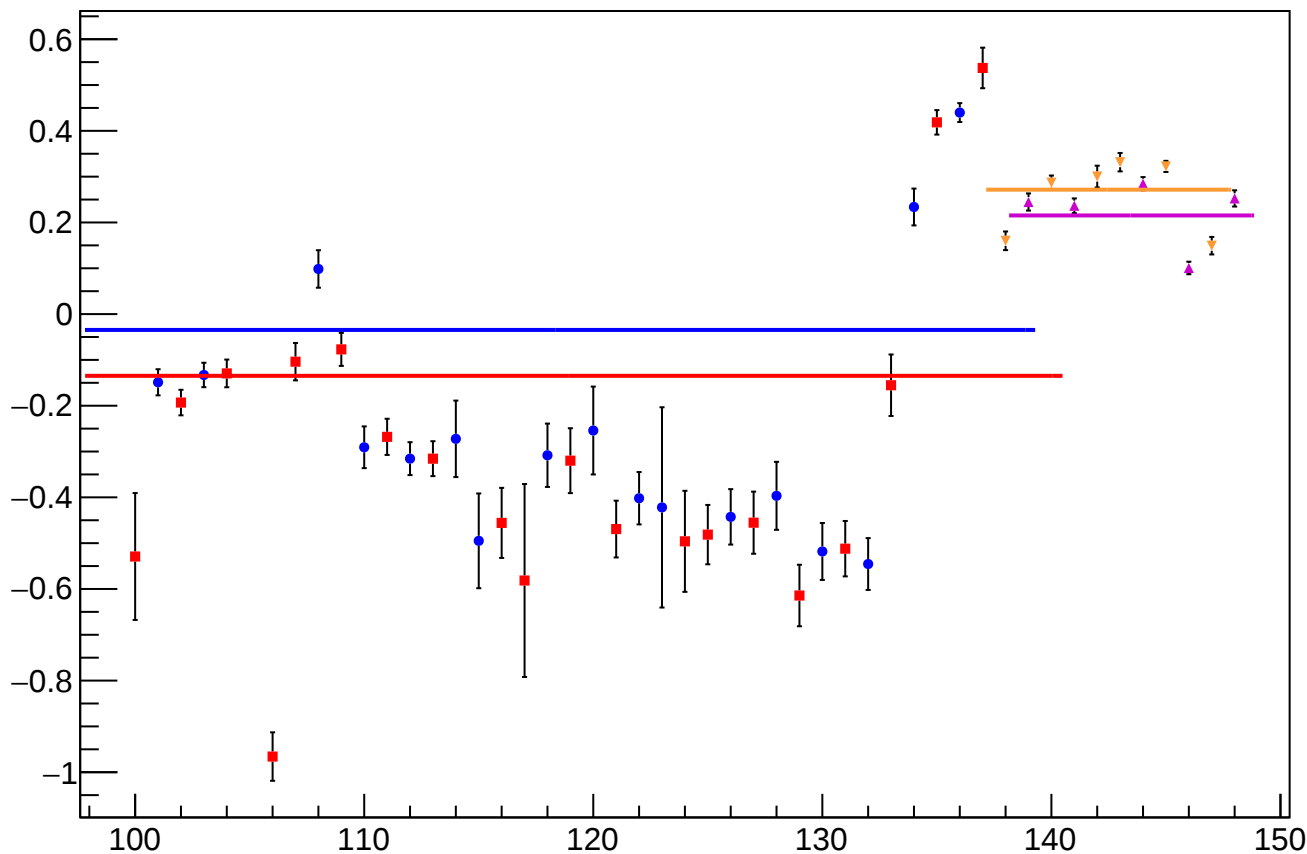
Right Out: 15.352 $\pm$ 0.197 χ^2/NDF : 7288.4/19

Left In: 27.728 $\pm$ 0.136 χ^2/NDF : 119.4/4

23.338 $\pm$ 0.114 χ^2/NDF : 10248.4/22

23.721 $\pm$ 0.112 χ^2/NDF : 10085.2/24

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035+/-0.010 χ^2/NDF : 1011.6/16

Left Out: 0.272+/-0.007 χ^2/NDF : 99.9/5

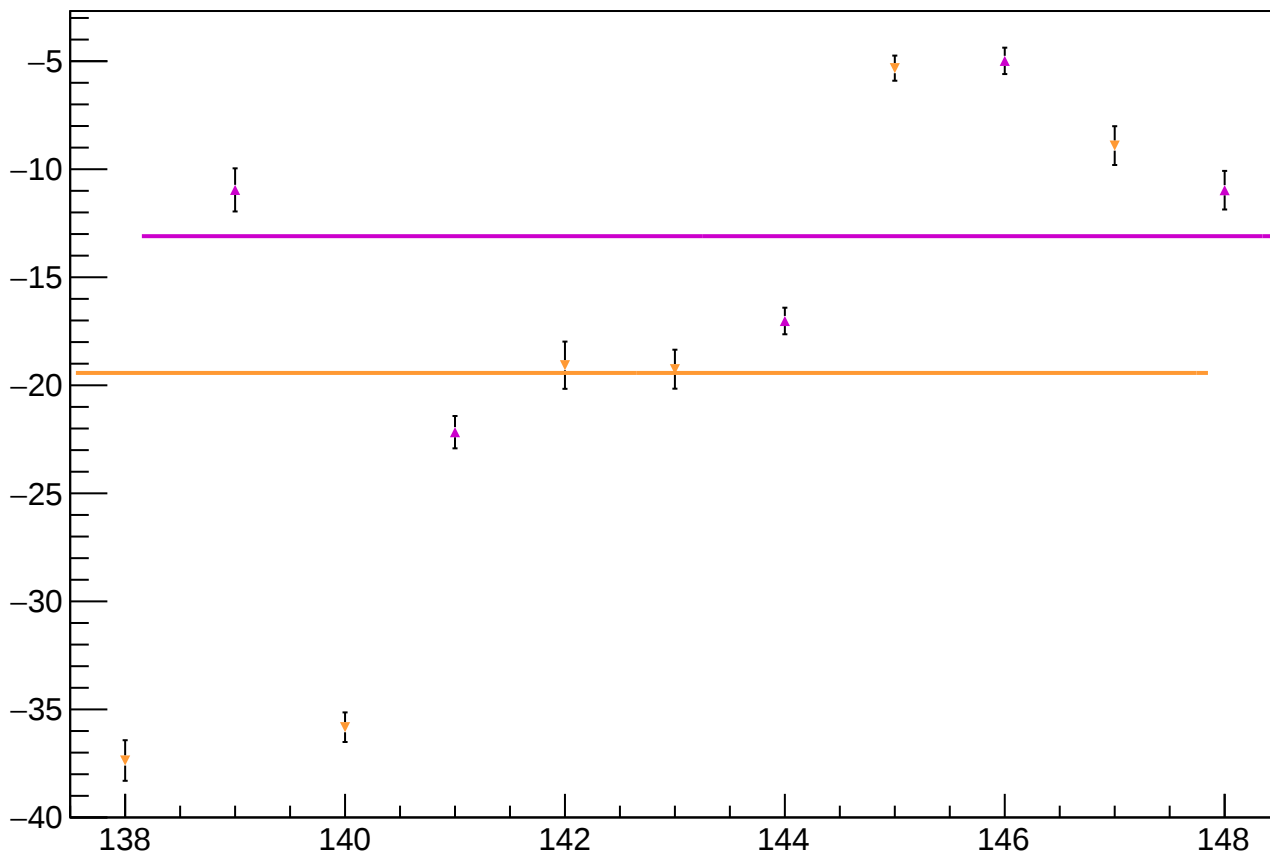
Right Out: -0.135+/-0.010 χ^2/NDF : 1166.4/19

Left In: 0.215+/-0.007 χ^2/NDF : 101.7/4

0.175+/-0.006 χ^2/NDF : 1711.6/22

0.104+/-0.006 χ^2/NDF : 2047.1/24

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-19.428+/-0.324 χ^2/NDF : 1663.7/5

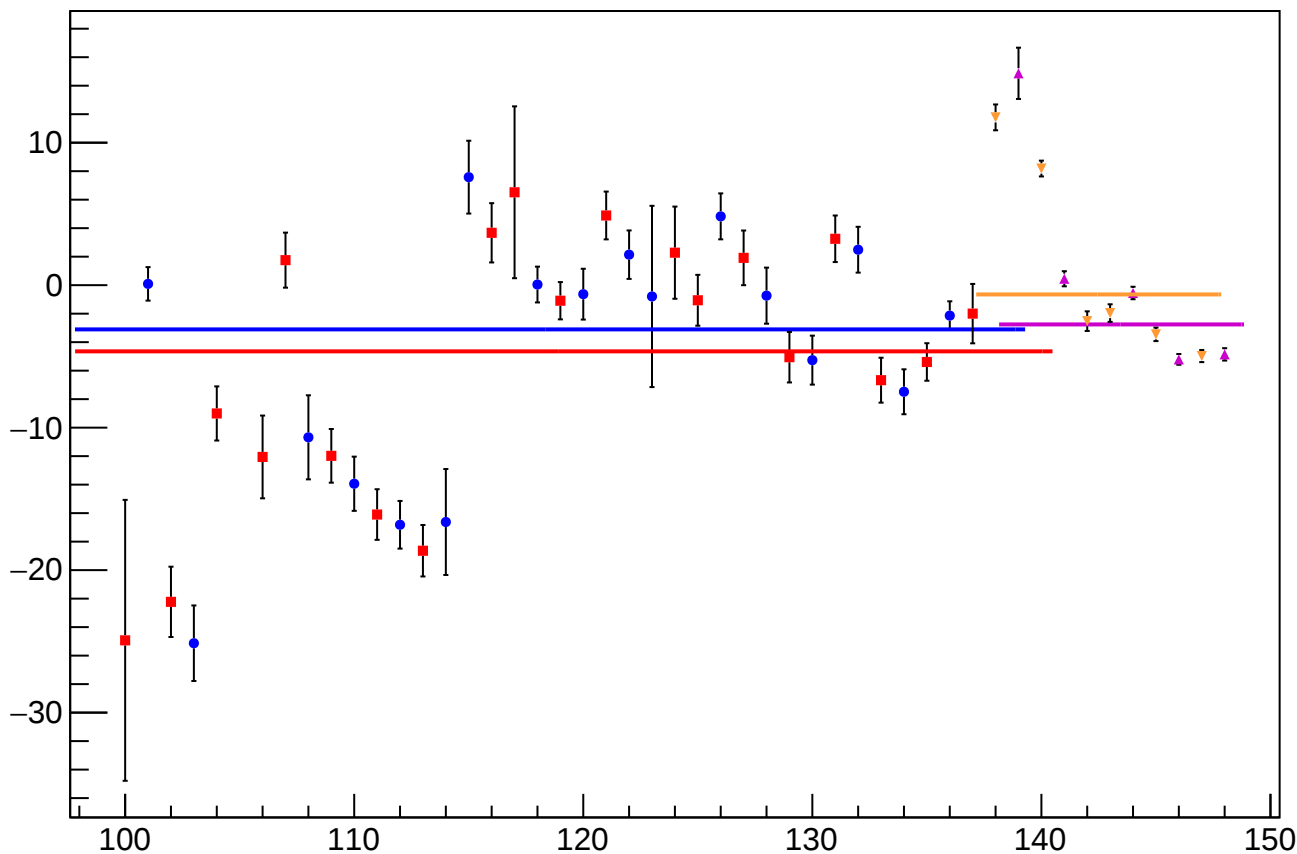
Left Out: -19.428+/-0.324 χ^2/NDF : 1663.7/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-13.098+/-0.327 χ^2/NDF : 374.5/4

Left In: -13.098+/-0.327 χ^2/NDF : 374.5/4

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -0.650 ± 0.228 χ^2/NDF : 591.2/5

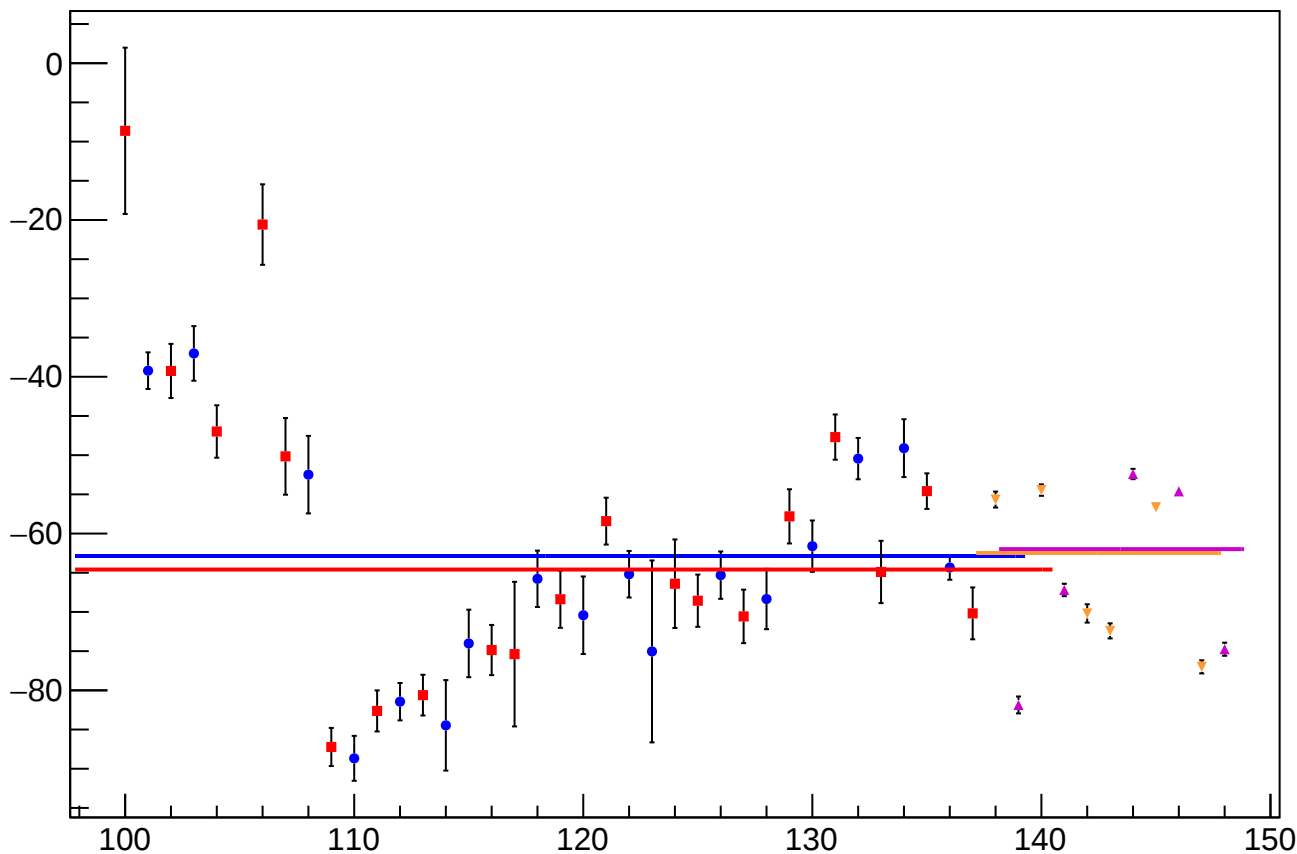
Right Out: -4.645 ± 0.425 χ^2/NDF : 301.1/19

Left In: -2.755 ± 0.216 χ^2/NDF : 223.3/4

-1.229 ± 0.200 χ^2/NDF : 897.6/22

-3.144 ± 0.193 χ^2/NDF : 540.1/24

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 $\chi^2/\text{NDF}: 368.7/16$

Left Out: -62.480 ± 0.339 $\chi^2/\text{NDF}: 705.5/5$

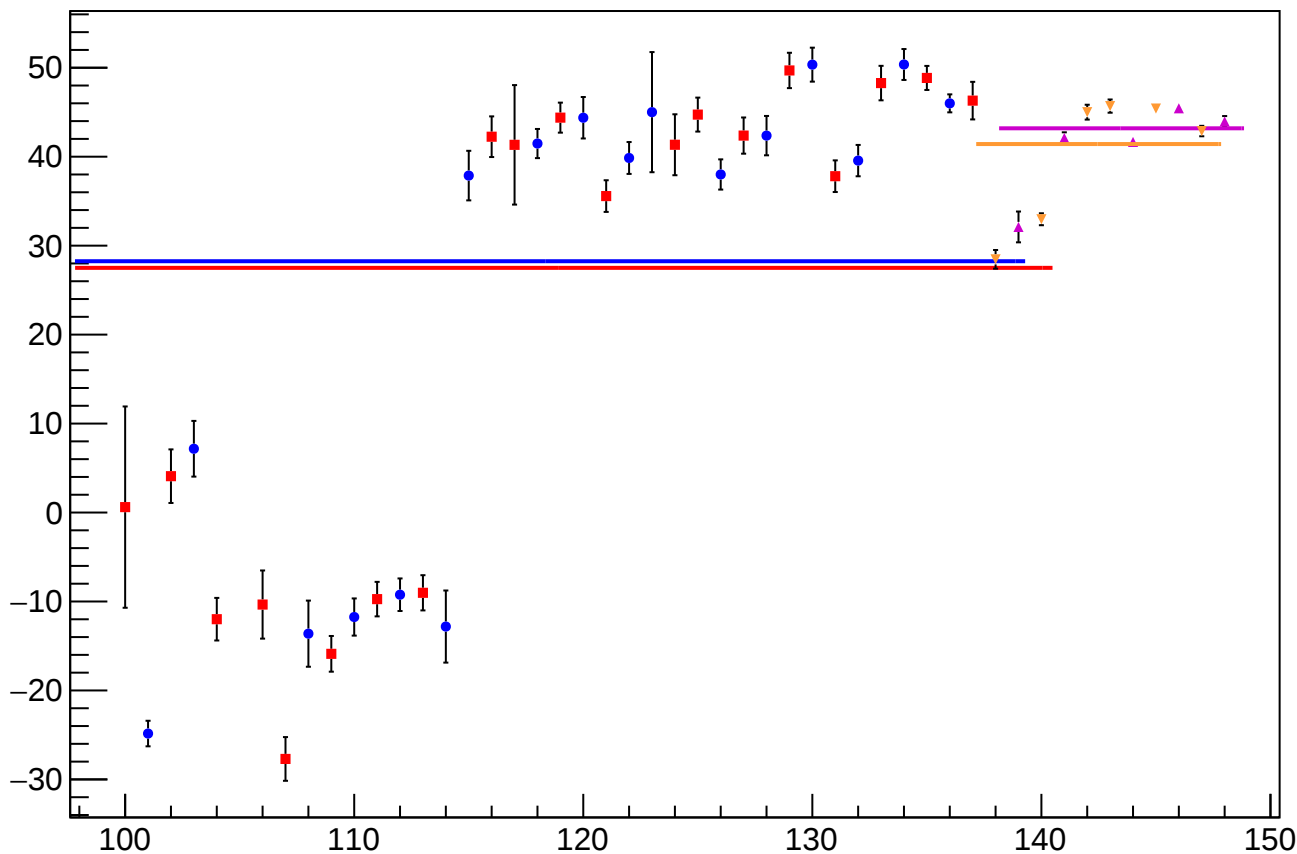
Right Out: -64.588 ± 0.749 $\chi^2/\text{NDF}: 445.6/19$

Left In: -61.987 ± 0.332 $\chi^2/\text{NDF}: 983.4/4$

-62.546 ± 0.308 $\chi^2/\text{NDF}: 1074.4/22$

-62.414 ± 0.304 $\chi^2/\text{NDF}: 1439.1/24$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 ± 0.460 $\chi^2/\text{NDF}: 3319.5/16$

Left Out: 41.421 ± 0.281 $\chi^2/\text{NDF}: 422.5/5$

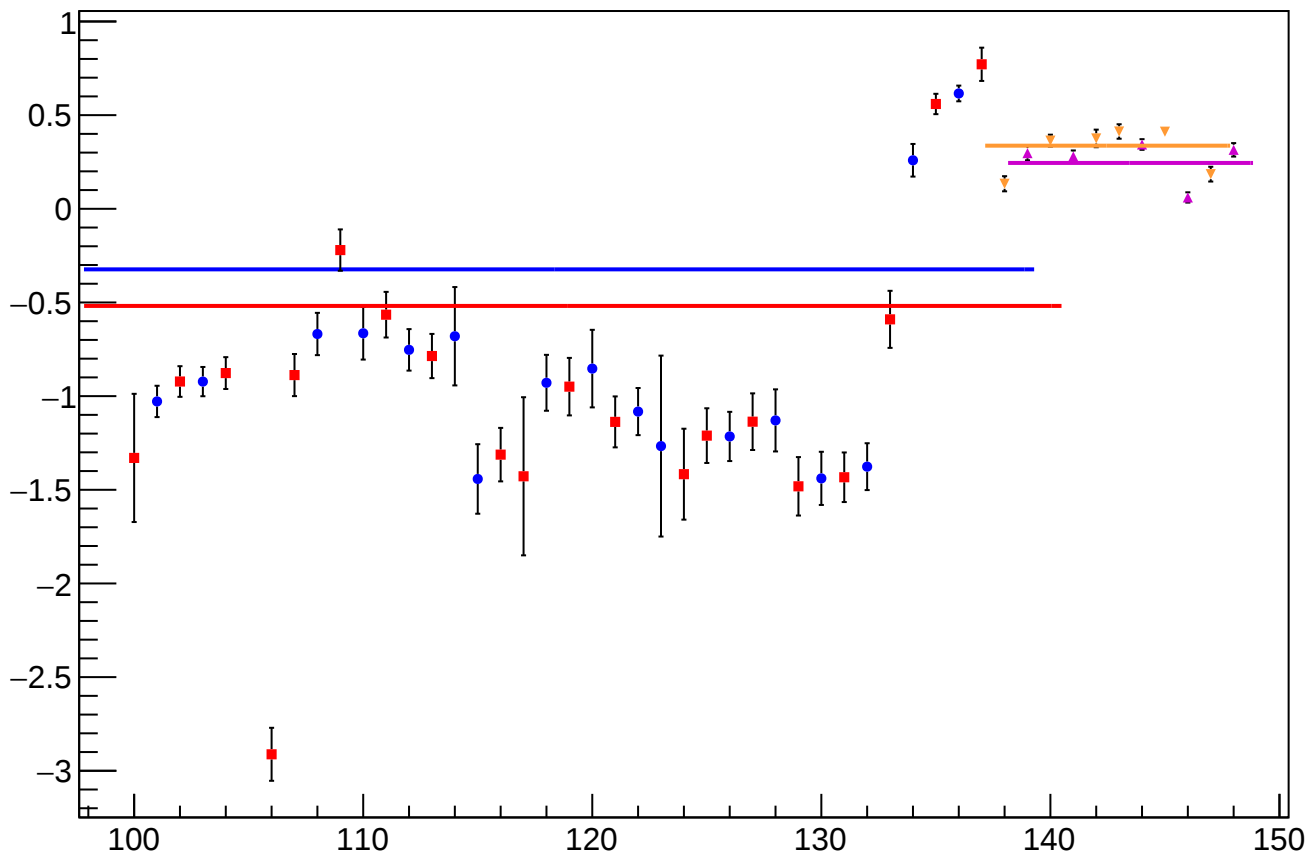
Right Out: 27.505 ± 0.478 $\chi^2/\text{NDF}: 3036.7/19$

Left In: 43.190 ± 0.271 $\chi^2/\text{NDF}: 76.5/4$

37.838 ± 0.240 $\chi^2/\text{NDF}: 4338.6/22$

39.366 ± 0.236 $\chi^2/\text{NDF}: 3928.9/24$

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.337 ± 0.014 $\chi^2/\text{NDF}: 54.9/5$

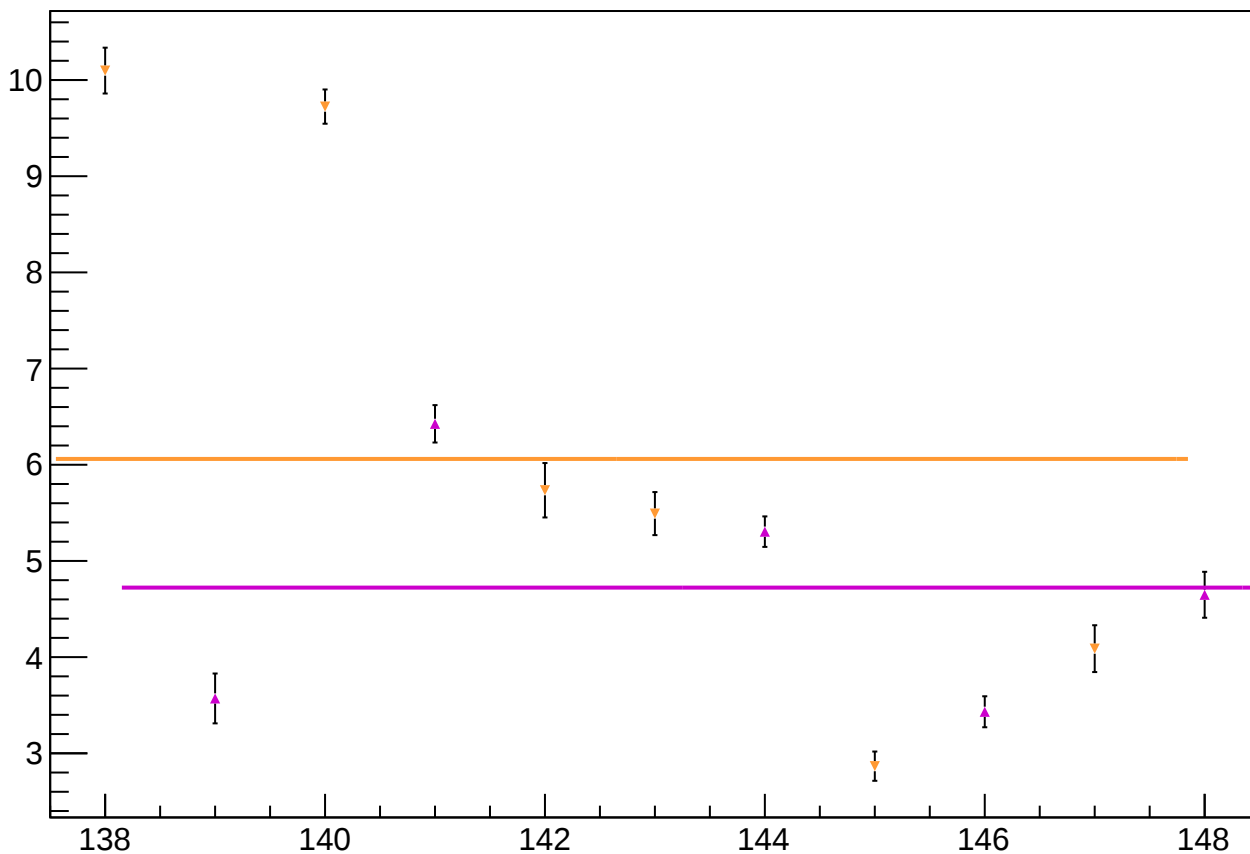
Right Out: -0.518 ± 0.026 $\chi^2/\text{NDF}: 1165.5/19$

Left In: 0.245 ± 0.014 $\chi^2/\text{NDF}: 63.9/4$

0.178 ± 0.012 $\chi^2/\text{NDF}: 1597.4/22$

0.067 ± 0.012 $\chi^2/\text{NDF}: 1905.6/24$

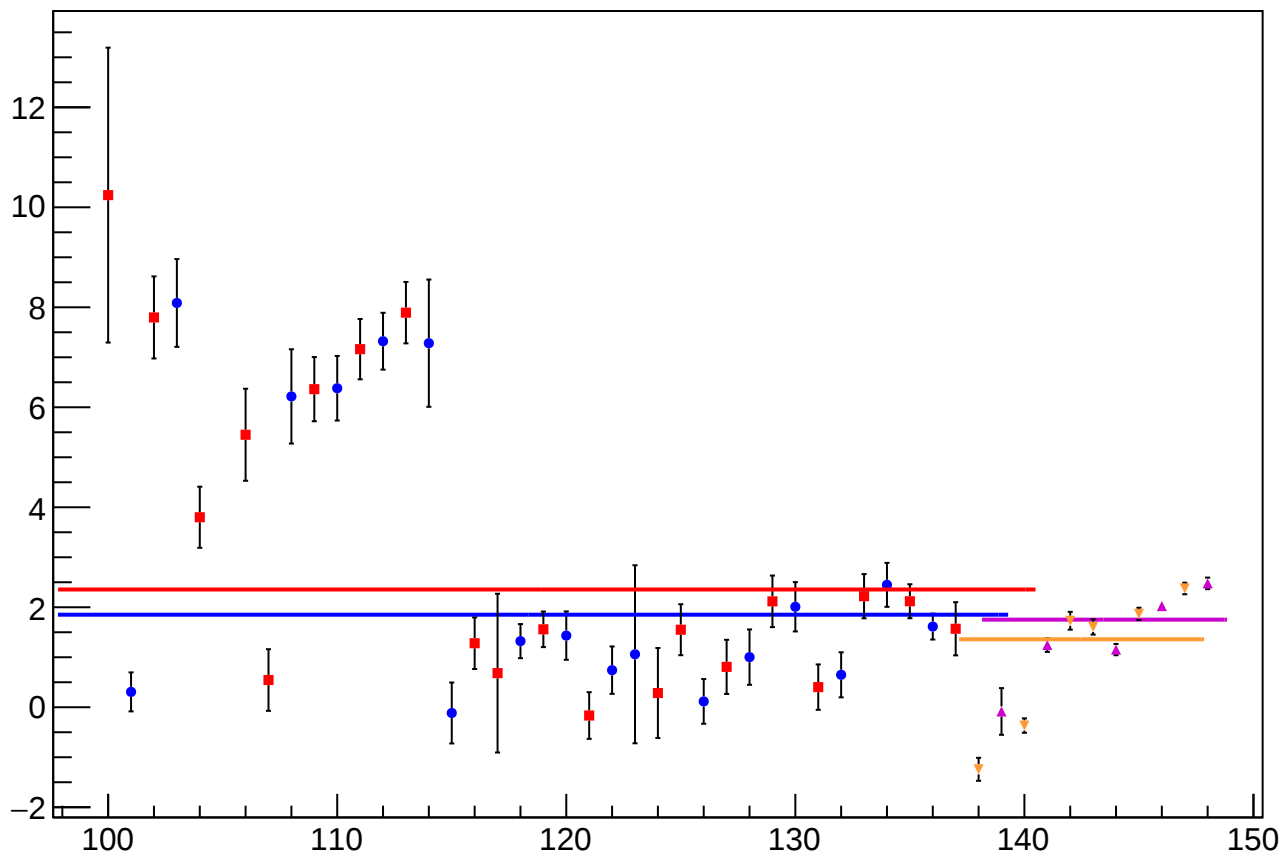
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.061+/-0.084 χ^2/NDF :1224.6/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.723+/-0.085 χ^2/NDF :174.2/4

6.061+/-0.084 χ^2/NDF : 1224.6/5
 4.723+/-0.085 χ^2/NDF : 174.2/4

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.359 ± 0.059 χ^2/NDF : 373.2/5

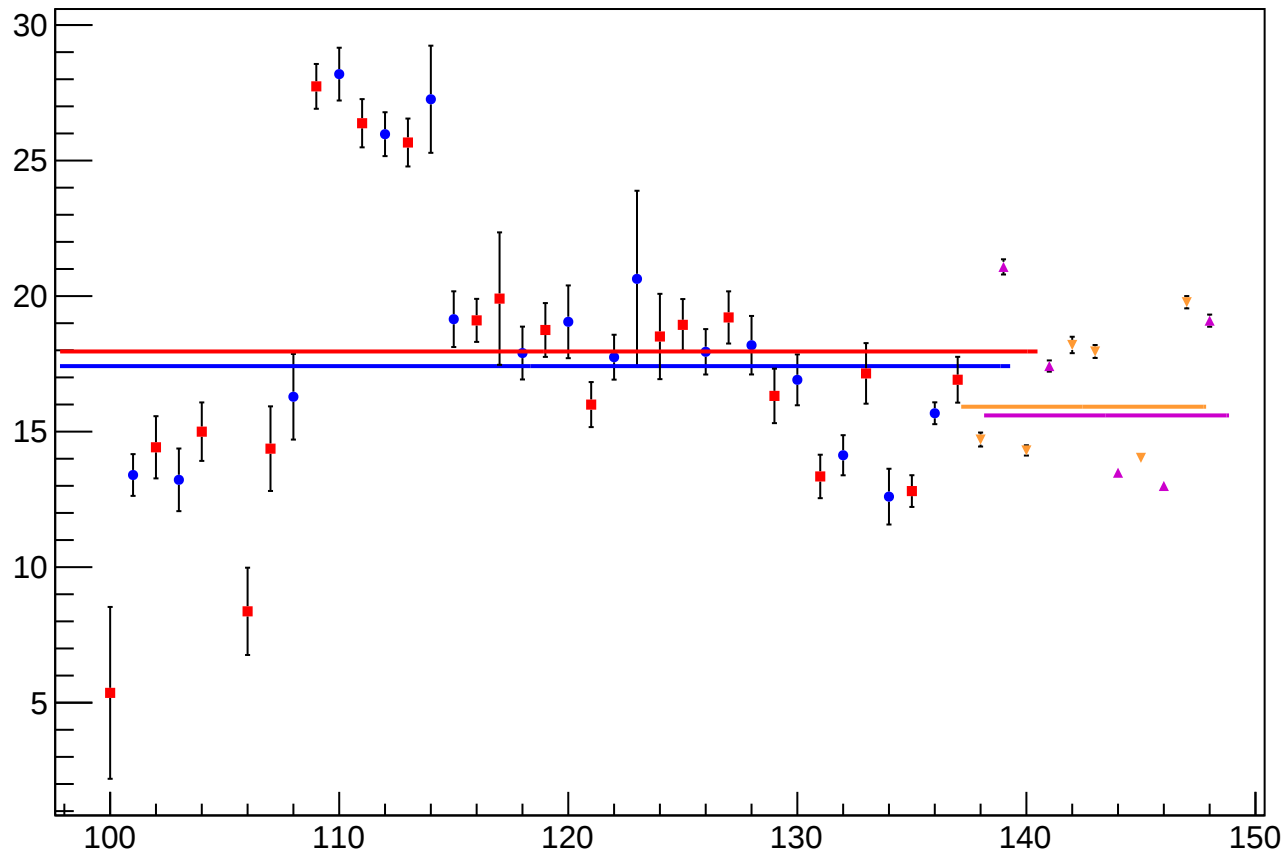
Right Out: 2.355 ± 0.122 χ^2/NDF : 337.4/19

Left In: 1.752 ± 0.056 χ^2/NDF : 103.9/4

1.460 ± 0.053 χ^2/NDF : 681.3/22

1.858 ± 0.051 χ^2/NDF : 461.3/24

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 15.919 $\pm$ 0.088 χ^2 /NDF: 647.5/5

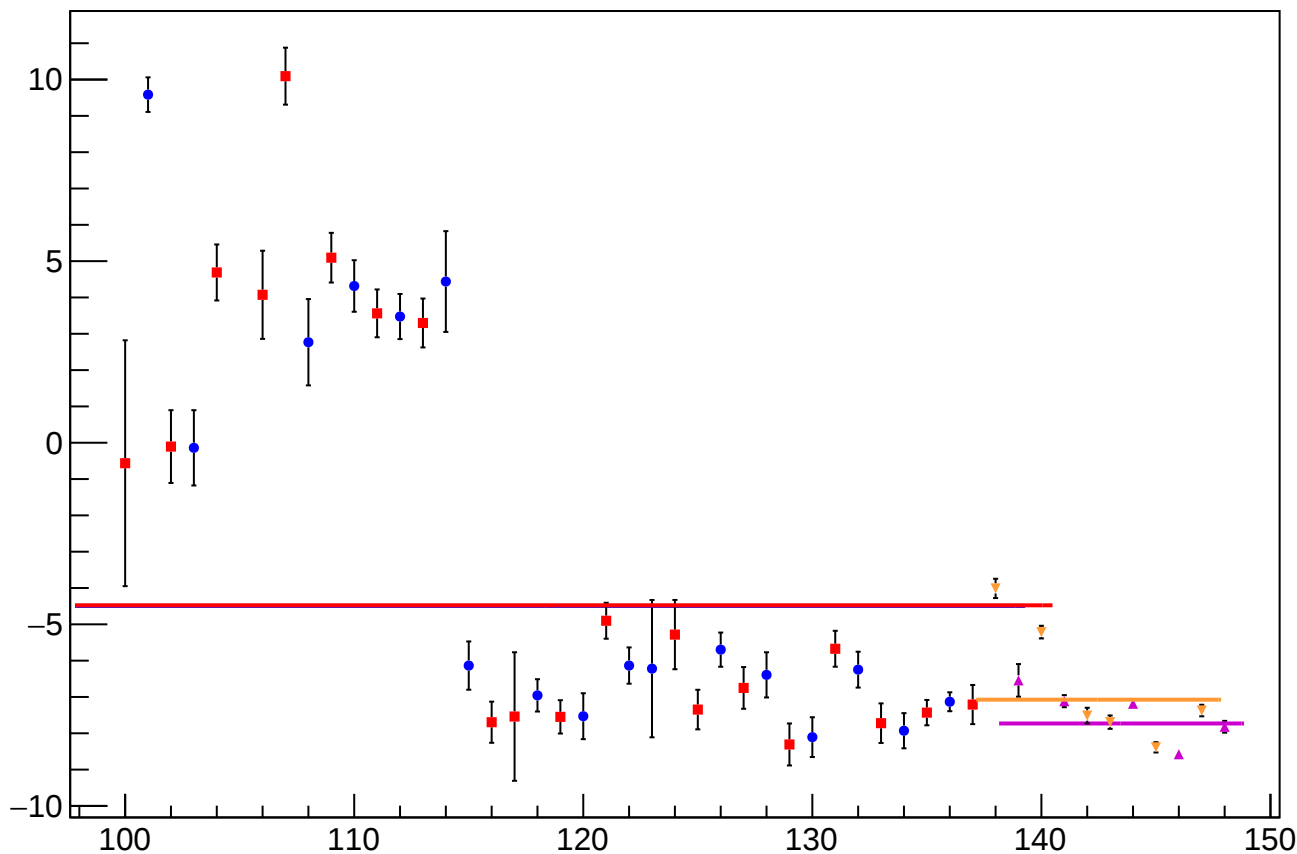
Right Out: 17.957 $\pm$ 0.218 χ^2 /NDF: 506.2/19

Left In: 15.597 $\pm$ 0.087 χ^2 /NDF: 1140.6/4

16.138 $\pm$ 0.081 χ^2 /NDF: 1056.9/22

15.920 $\pm$ 0.081 χ^2 /NDF: 1747.7/24

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -7.074 ± 0.073 χ^2/NDF : 351.0/5

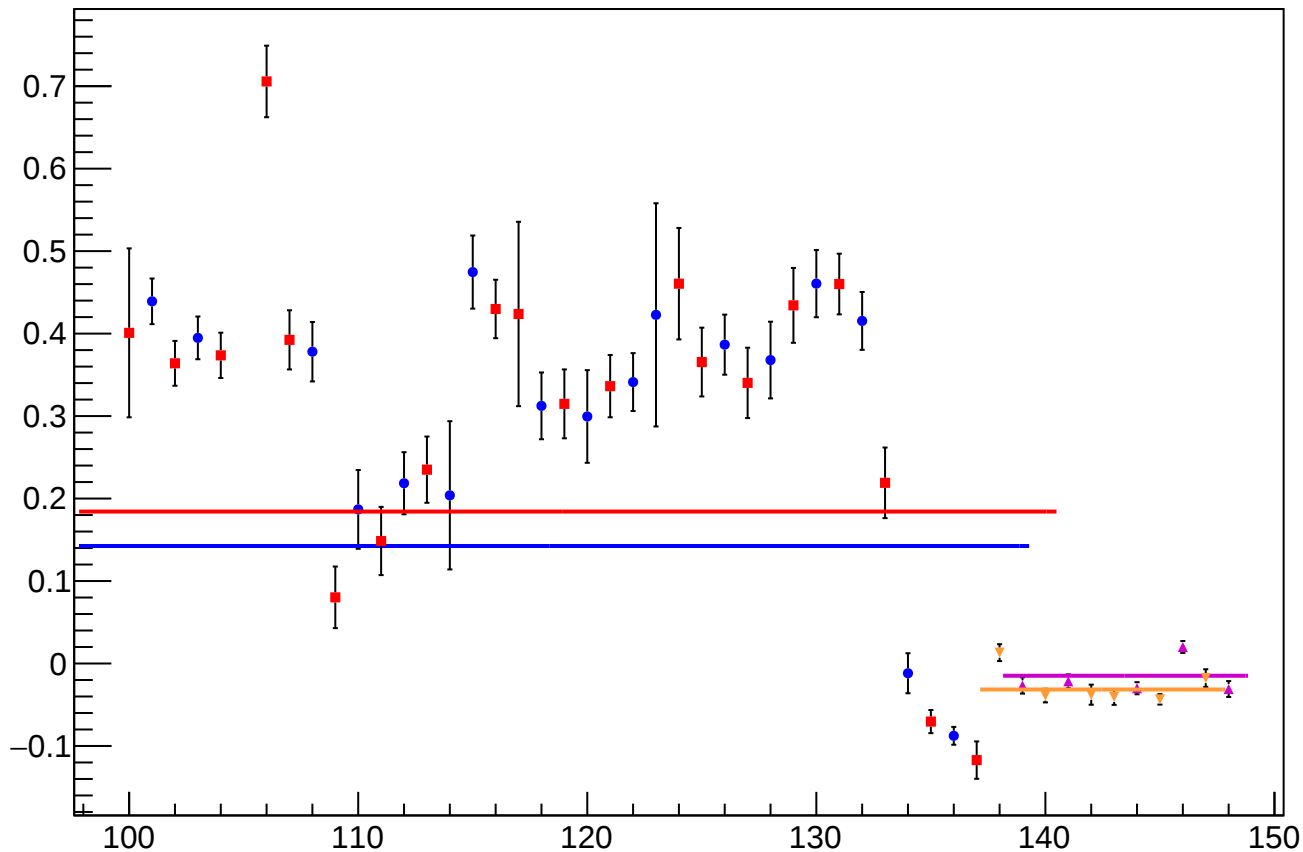
Right Out: -4.476 ± 0.137 χ^2/NDF : 1342.0/19

Left In: -7.730 ± 0.071 χ^2/NDF : 83.8/4

-6.456 ± 0.064 χ^2/NDF : 2234.7/22

-7.041 ± 0.063 χ^2/NDF : 1873.0/24

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1058.8/16

Left Out: -0.032 $\pm$ 0.004 χ^2 /NDF: 26.1/5

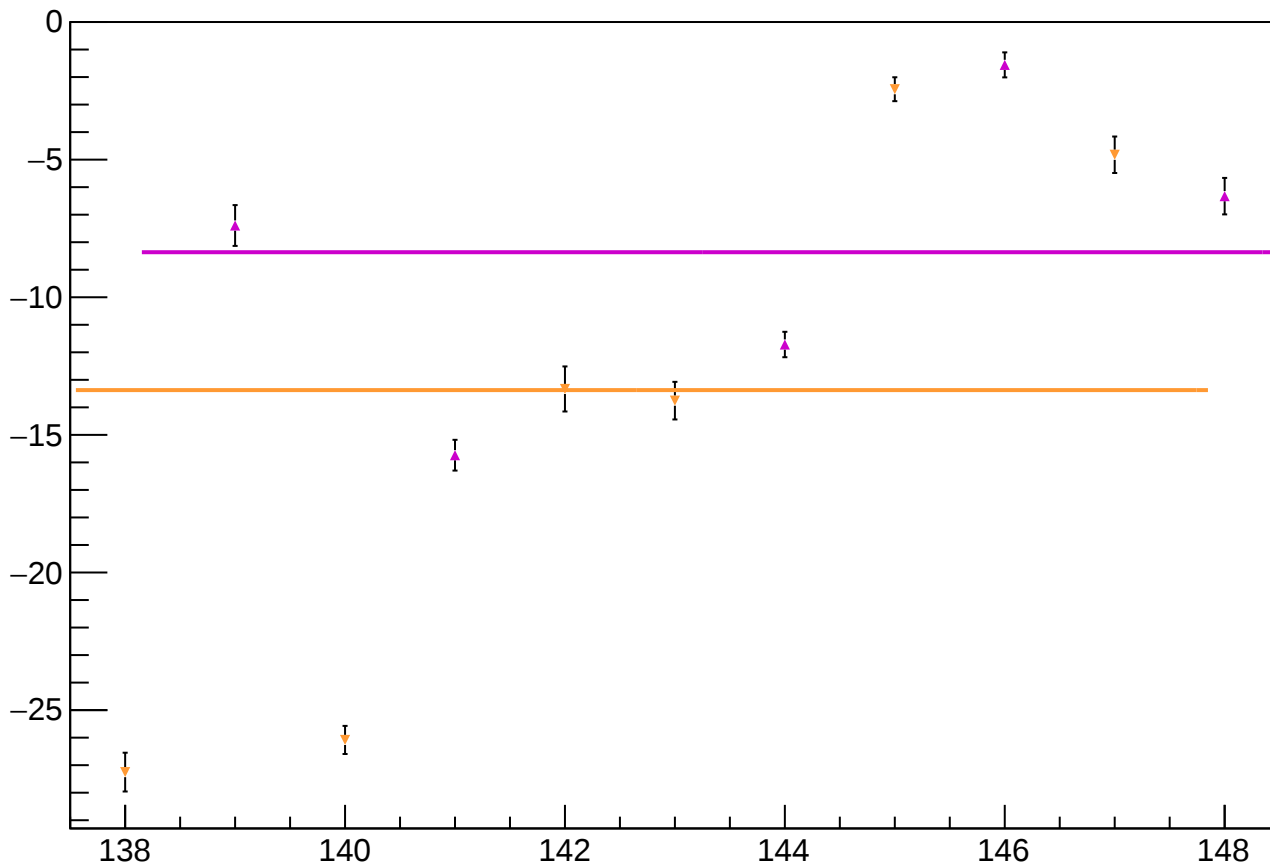
Right Out: 0.184 $\pm$ 0.007 χ^2 /NDF: 1005.5/19

Left In: -0.015 $\pm$ 0.004 χ^2 /NDF: 32.4/4

0.005 $\pm$ 0.003 χ^2 /NDF: 1563.4/22

0.025 $\pm$ 0.003 χ^2 /NDF: 1617.8/24

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -13.373+/-0.242 χ^2/NDF : 1808.6/5

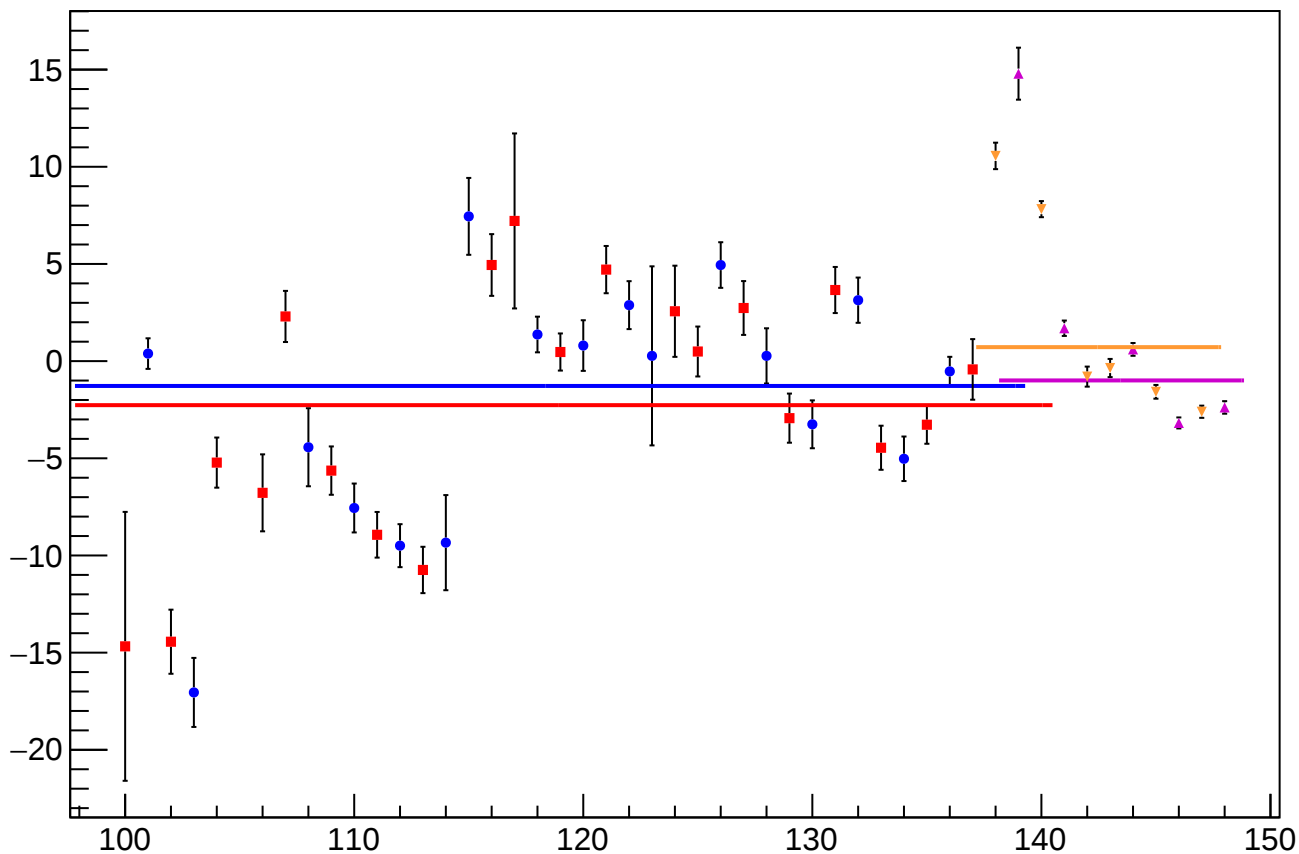
-13.373+/-0.242 χ^2/NDF : 1808.6/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -8.363+/-0.244 χ^2/NDF : 462.5/4

-8.363+/-0.244 χ^2/NDF : 462.5/4

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 $\pm$ 0.292 χ^2 /NDF: 276.5/16

Left Out: 0.719 $\pm$ 0.170 χ^2 /NDF:670.6/5

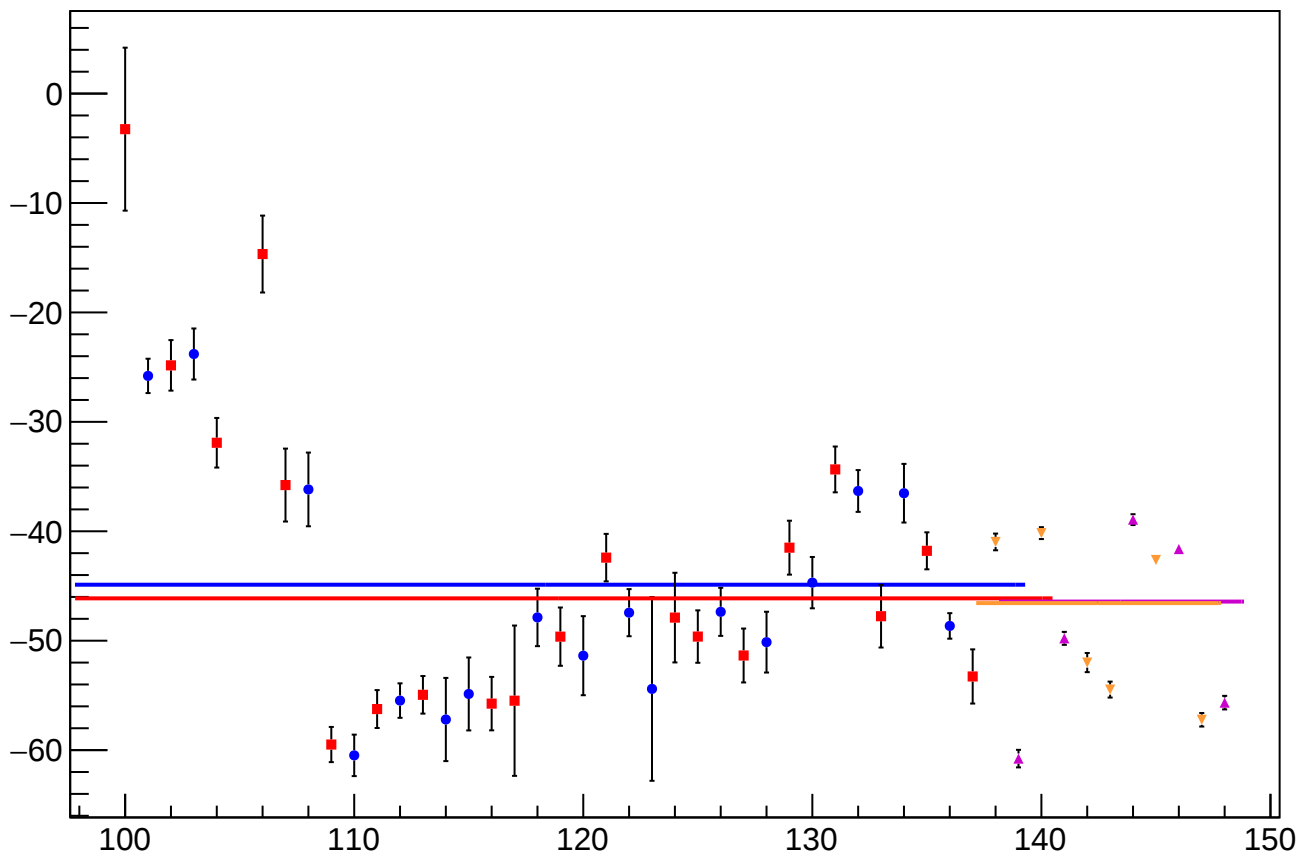
Right Out: -2.266 $\pm$ 0.302 χ^2 /NDF: 289.8/19

Left In: -0.994 $\pm$ 0.162 χ^2 /NDF:287.0/4

0.213 $\pm$ 0.147 χ^2 /NDF: 982.0/22

-1.278 $\pm$ 0.143 χ^2 /NDF: 590.6/24

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 $\pm$ 0.524 χ^2 /NDF: 421.0/16

Left Out: -46.563 $\pm$ 0.253 χ^2 /NDF: 718.3/5

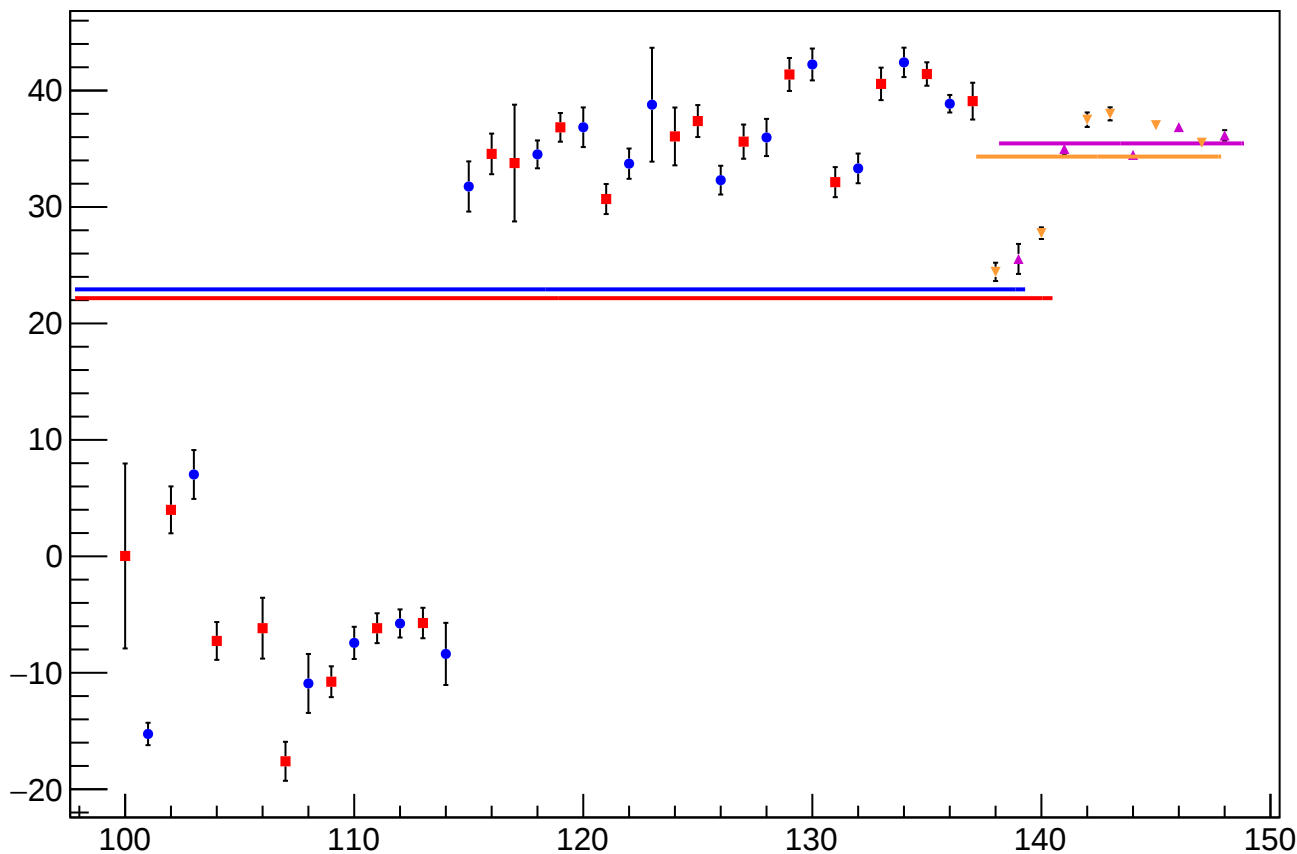
Right Out: -46.130 $\pm$ 0.527 χ^2 /NDF: 456.1/19

Left In: -46.425 $\pm$ 0.248 χ^2 /NDF: 923.0/4

-46.246 $\pm$ 0.228 χ^2 /NDF: 1147.6/22

-46.371 $\pm$ 0.224 χ^2 /NDF: 1379.4/24

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 34.329 $\pm$ 0.210 χ^2 /NDF:449.9/5

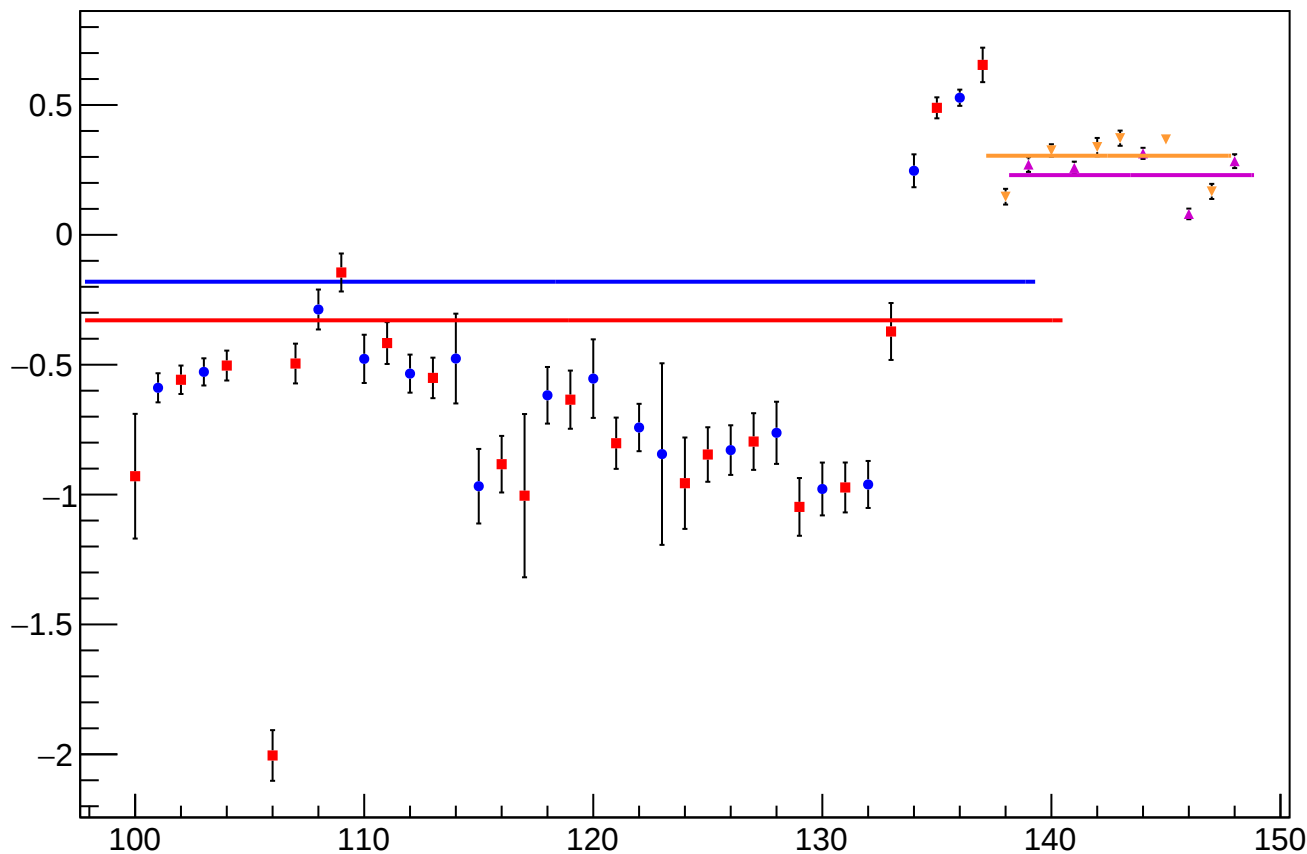
Right Out: 22.170 $\pm$ 0.339 χ^2 /NDF: 4038.8/19

Left In: 35.460 $\pm$ 0.203 χ^2 /NDF:84.5/4

31.013 $\pm$ 0.177 χ^2 /NDF: 5636.9/22

31.966 $\pm$ 0.174 χ^2 /NDF: 5254.9/24

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.305 ± 0.010 χ^2/NDF : 68.4/5

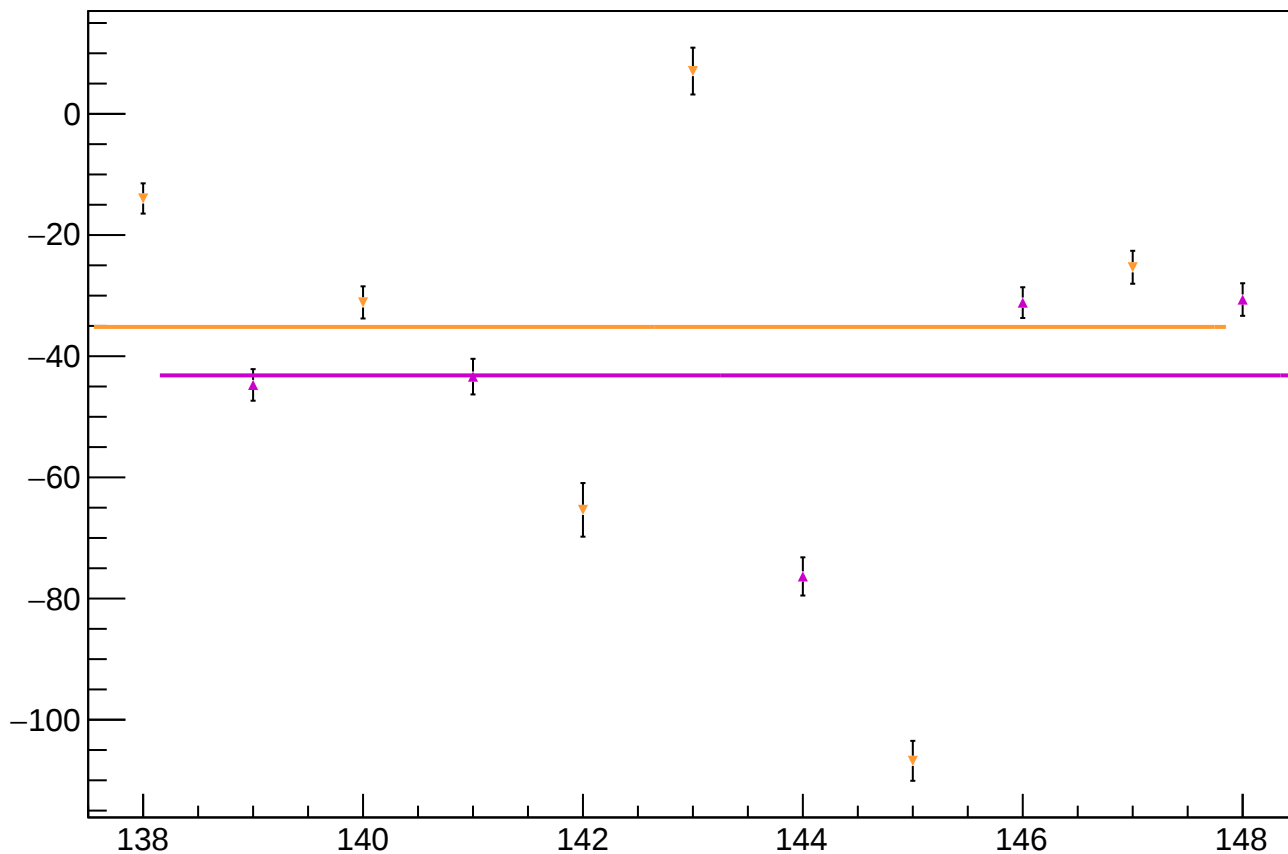
Right Out: -0.329 ± 0.018 χ^2/NDF : 1180.2/19

Left In: 0.230 ± 0.011 χ^2/NDF : 76.3/4

0.179 ± 0.009 χ^2/NDF : 1616.9/22

0.089 ± 0.009 χ^2/NDF : 1964.3/24

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -35.164+/-1.243 χ^2/NDF : 725.4/5

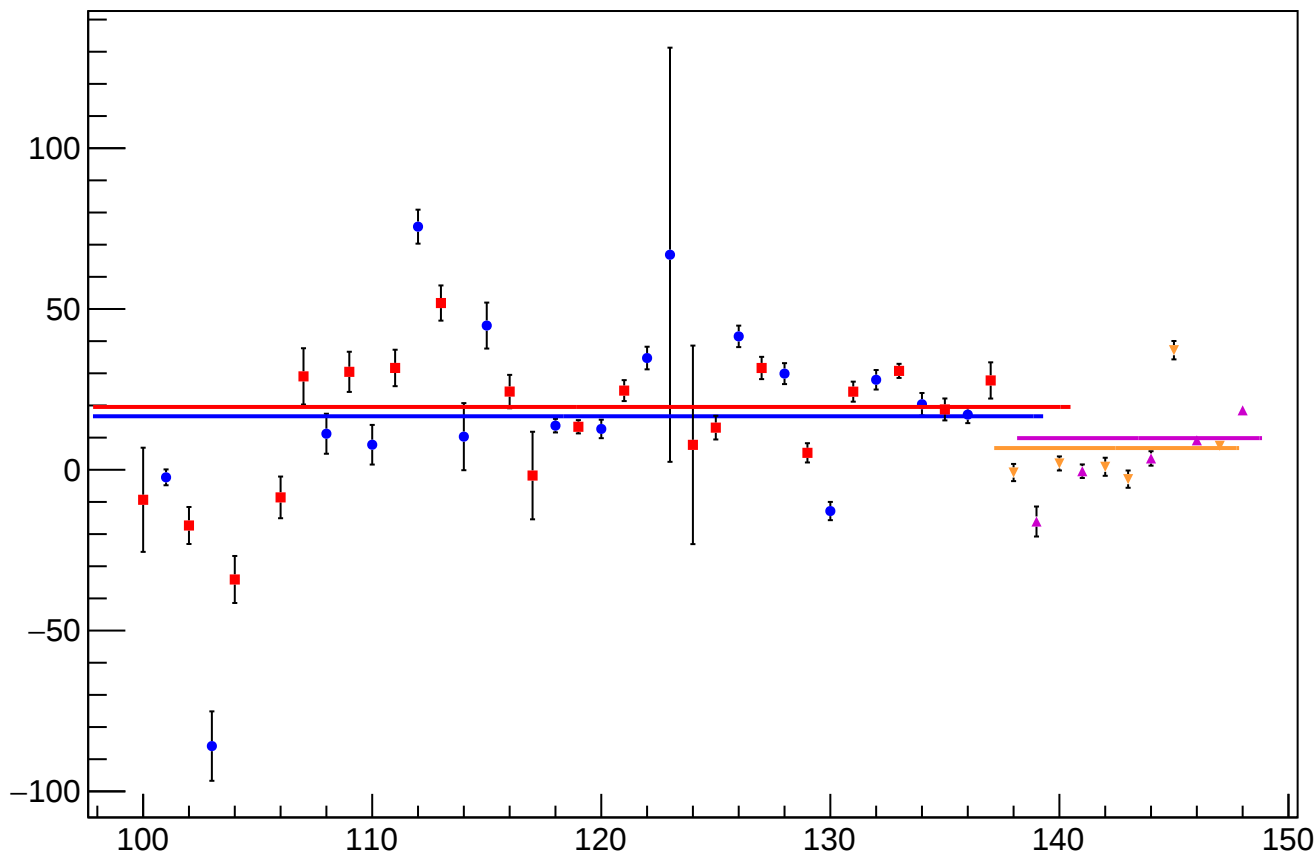
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -43.165+/-1.234 χ^2/NDF : 155.2/4

-35.164+/-1.243 χ^2/NDF : 725.4/5

-43.165+/-1.234 χ^2/NDF : 155.2/4

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 $\pm$ 0.859 χ^2 /NDF: 518.9/16

Left Out: 6.755 $\pm$ 0.865 χ^2 /NDF:143.8/5

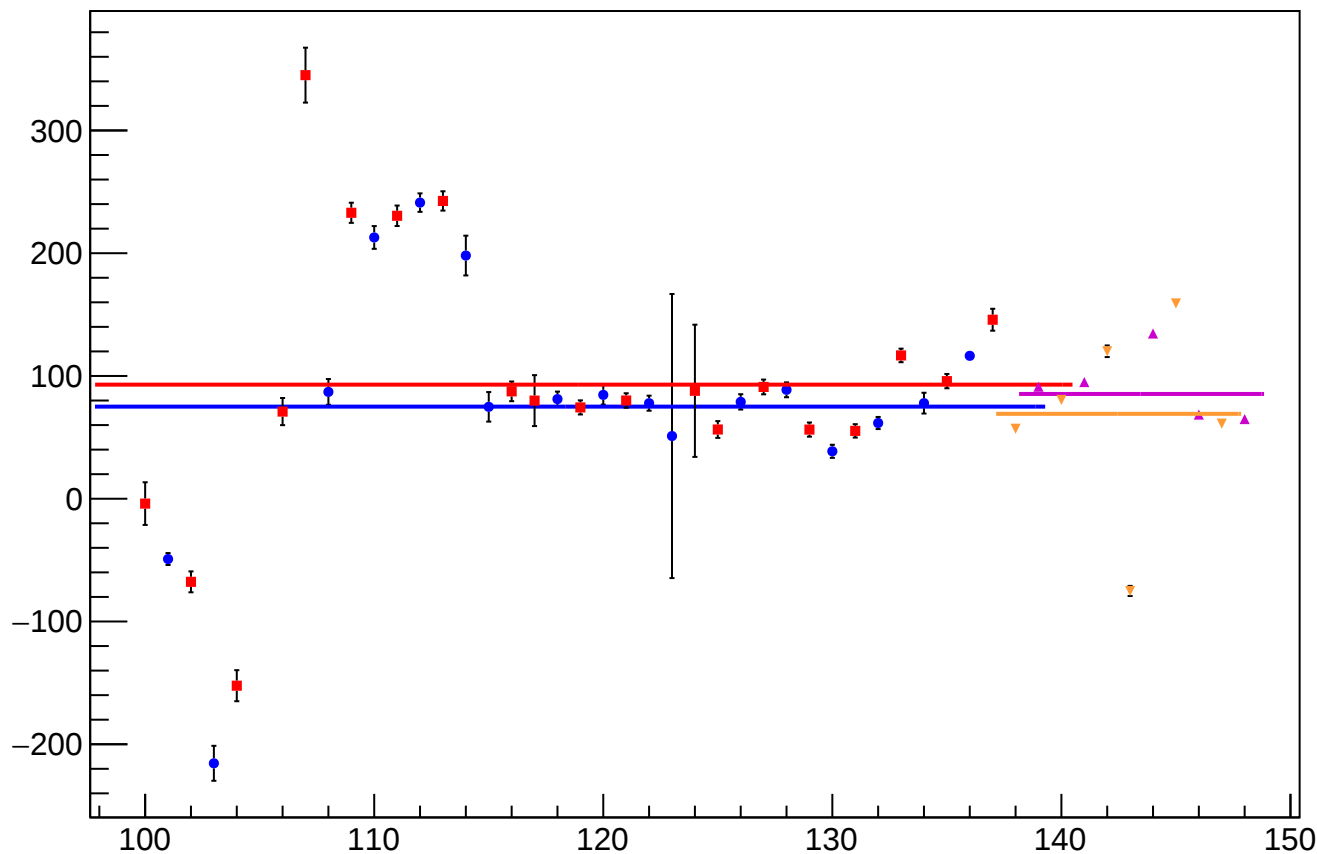
Right Out: 19.540 $\pm$ 0.894 χ^2 /NDF: 244.1/19

Left In: 9.843 $\pm$ 0.814 χ^2 /NDF:106.6/4

11.735 $\pm$ 0.609 χ^2 /NDF: 728.5/22

14.234 $\pm$ 0.602 χ^2 /NDF: 415.0/24

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 69.158 ± 1.285 χ^2/NDF : 2074.9/5

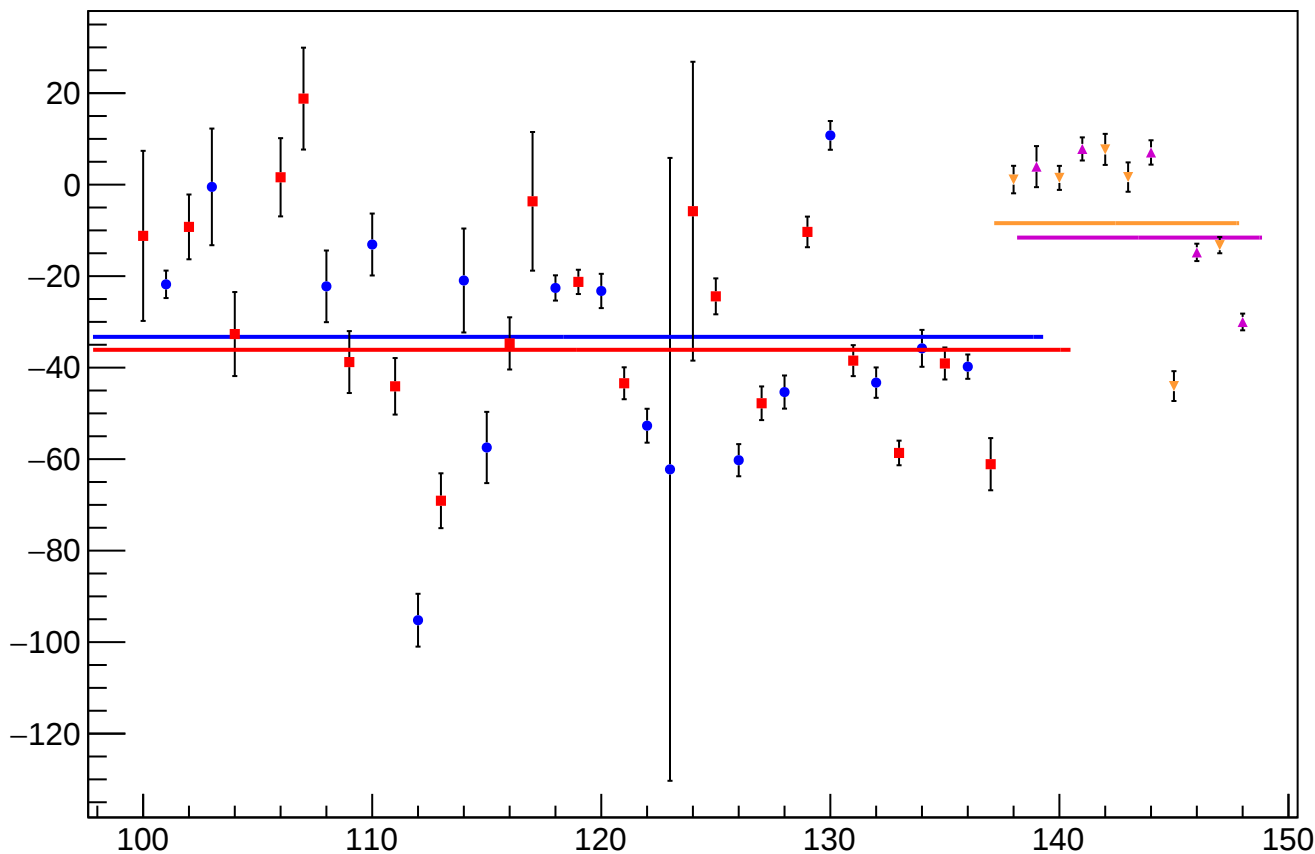
Right Out: 92.940 ± 1.706 χ^2/NDF : 2004.0/19

Left In: 85.346 ± 1.248 χ^2/NDF : 341.1/4

71.382 ± 1.013 χ^2/NDF : 4082.5/22

87.993 ± 1.007 χ^2/NDF : 2358.0/24

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -8.420 ± 1.085 χ^2/NDF : 183.3/5

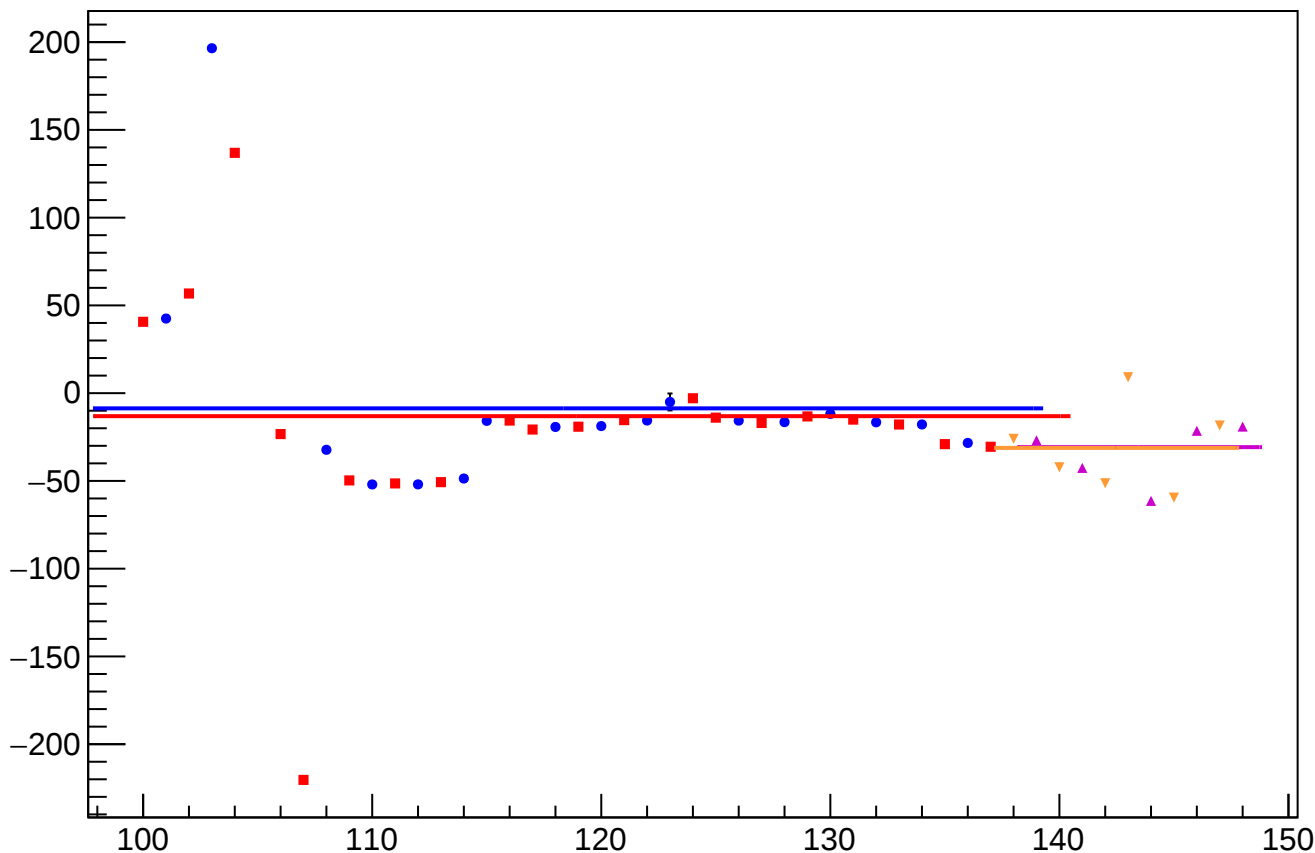
Right Out: -36.103 ± 1.022 χ^2/NDF : 302.3/19

Left In: -11.575 ± 1.040 χ^2/NDF : 224.3/4

-22.078 ± 0.728 χ^2/NDF : 961.2/22

-24.060 ± 0.729 χ^2/NDF : 809.5/24

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -31.178 ± 0.054 $\chi^2/\text{NDF}: 136558.0/5$

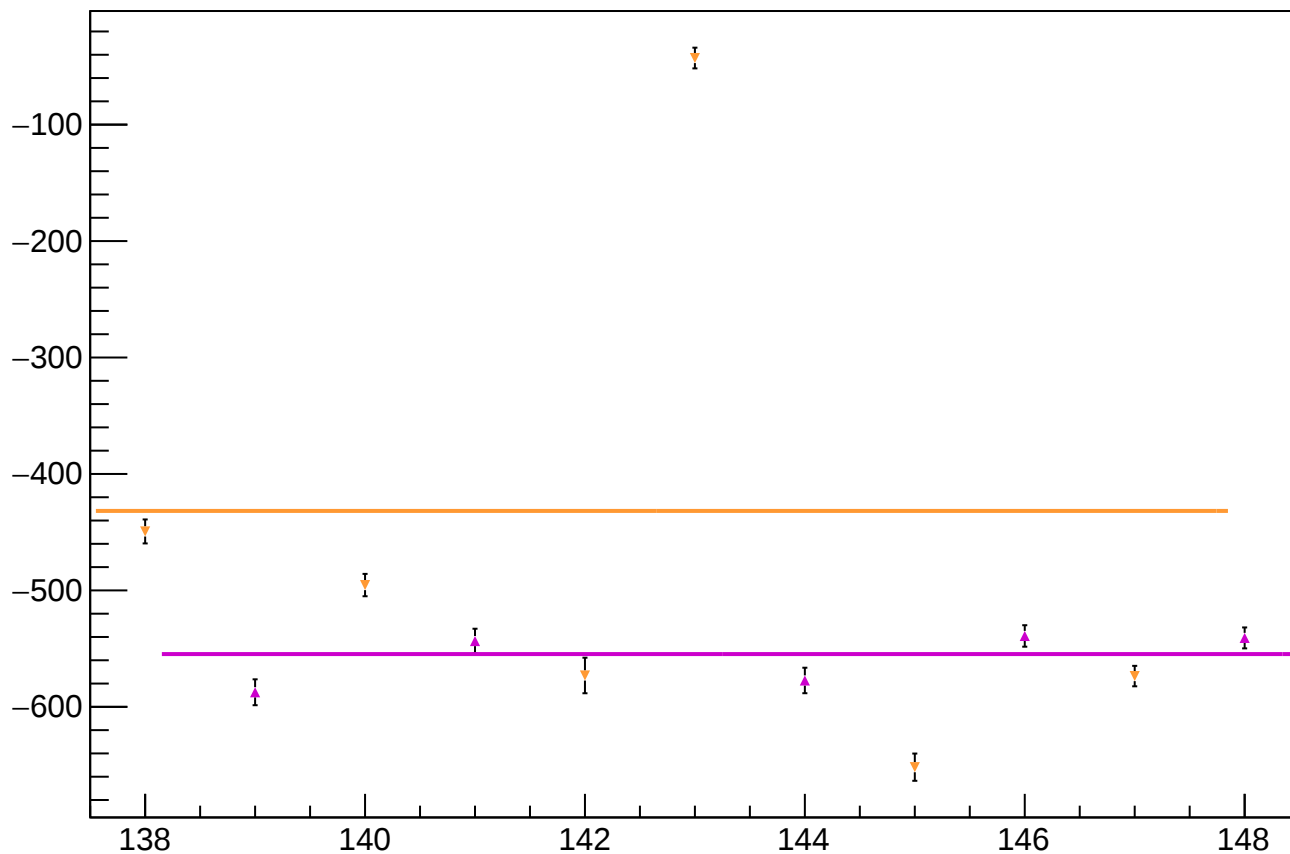
Right Out: -13.109 ± 0.062 $\chi^2/\text{NDF}: 558383.6/19$

Left In: -30.747 ± 0.052 $\chi^2/\text{NDF}: 72061.4/4$

-20.971 ± 0.040 $\chi^2/\text{NDF}: 791744.6/22$

-23.499 ± 0.040 $\chi^2/\text{NDF}: 678587.5/24$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -431.741+/-4.171 χ^2/NDF : 2657.4/5

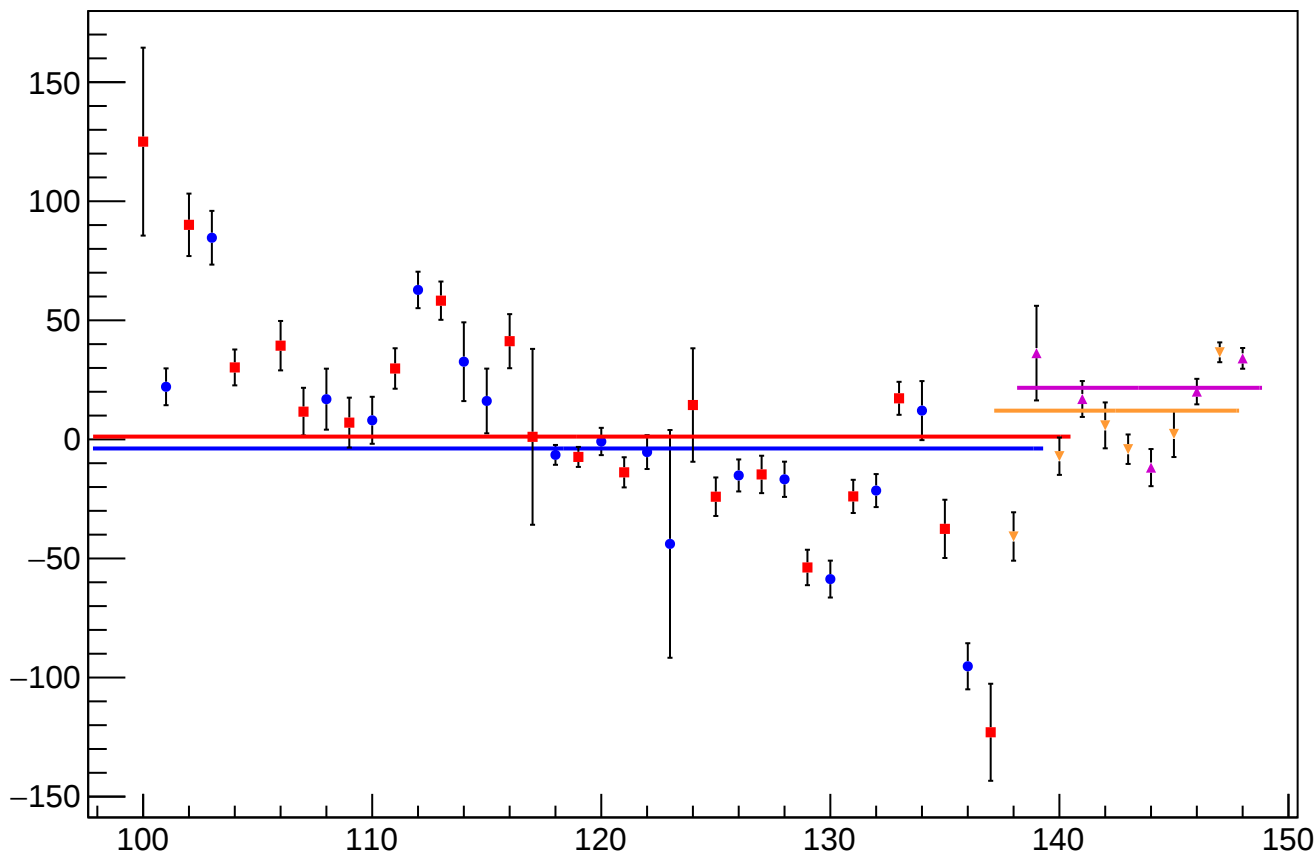
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -554.679+/-4.495 χ^2/NDF : 19.3/4

-431.741+/-4.171 χ^2/NDF : 2657.4/5

-554.679+/-4.495 χ^2/NDF : 19.3/4

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 $\chi^2/\text{NDF}: 314.3/16$

Left Out: 12.069 ± 2.761 $\chi^2/\text{NDF}: 75.9/5$

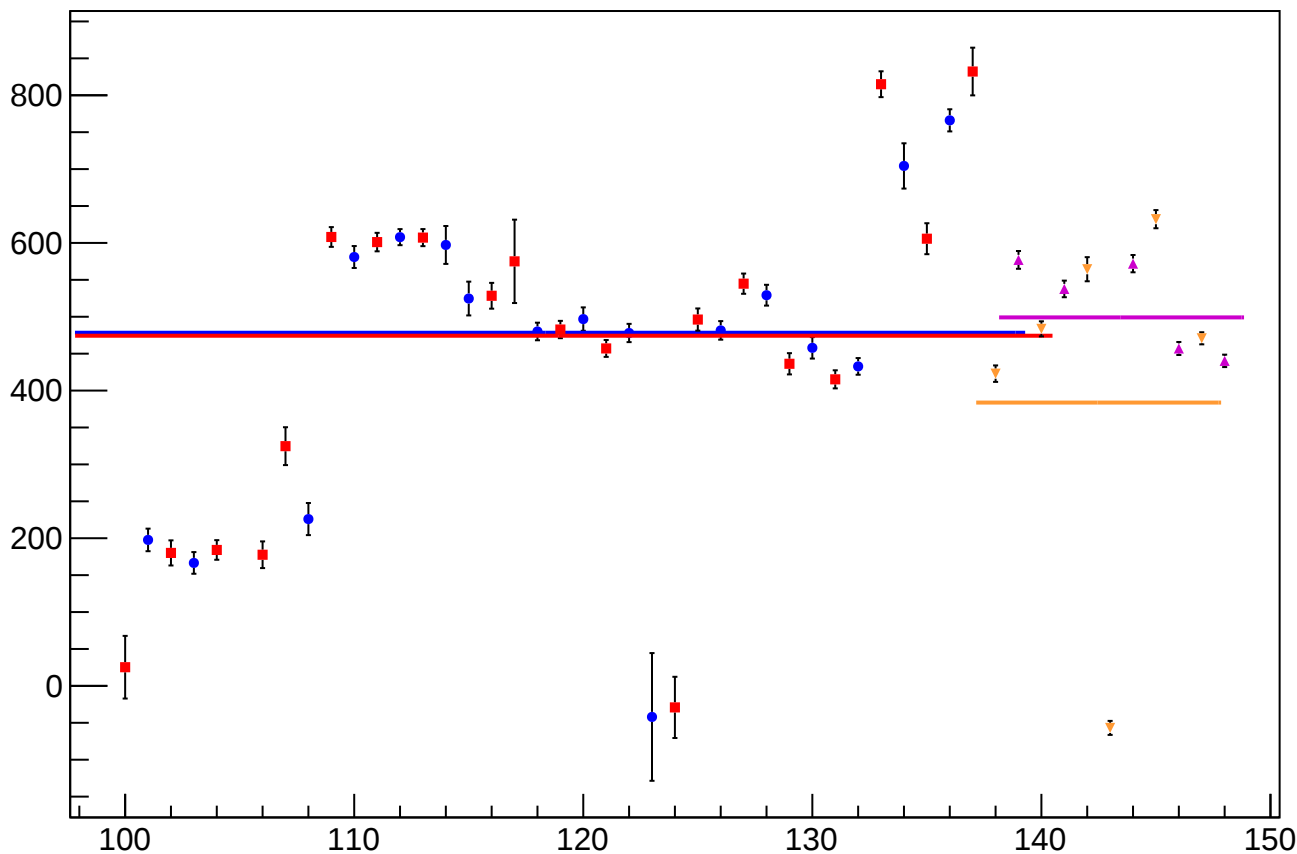
Right Out: 1.175 ± 1.911 $\chi^2/\text{NDF}: 303.9/19$

Left In: 21.658 ± 2.838 $\chi^2/\text{NDF}: 27.5/4$

1.372 ± 1.578 $\chi^2/\text{NDF}: 412.5/22$

7.567 ± 1.585 $\chi^2/\text{NDF}: 367.3/24$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 383.759 $\pm$ 4.307 χ^2 /NDF: 2902.2/5

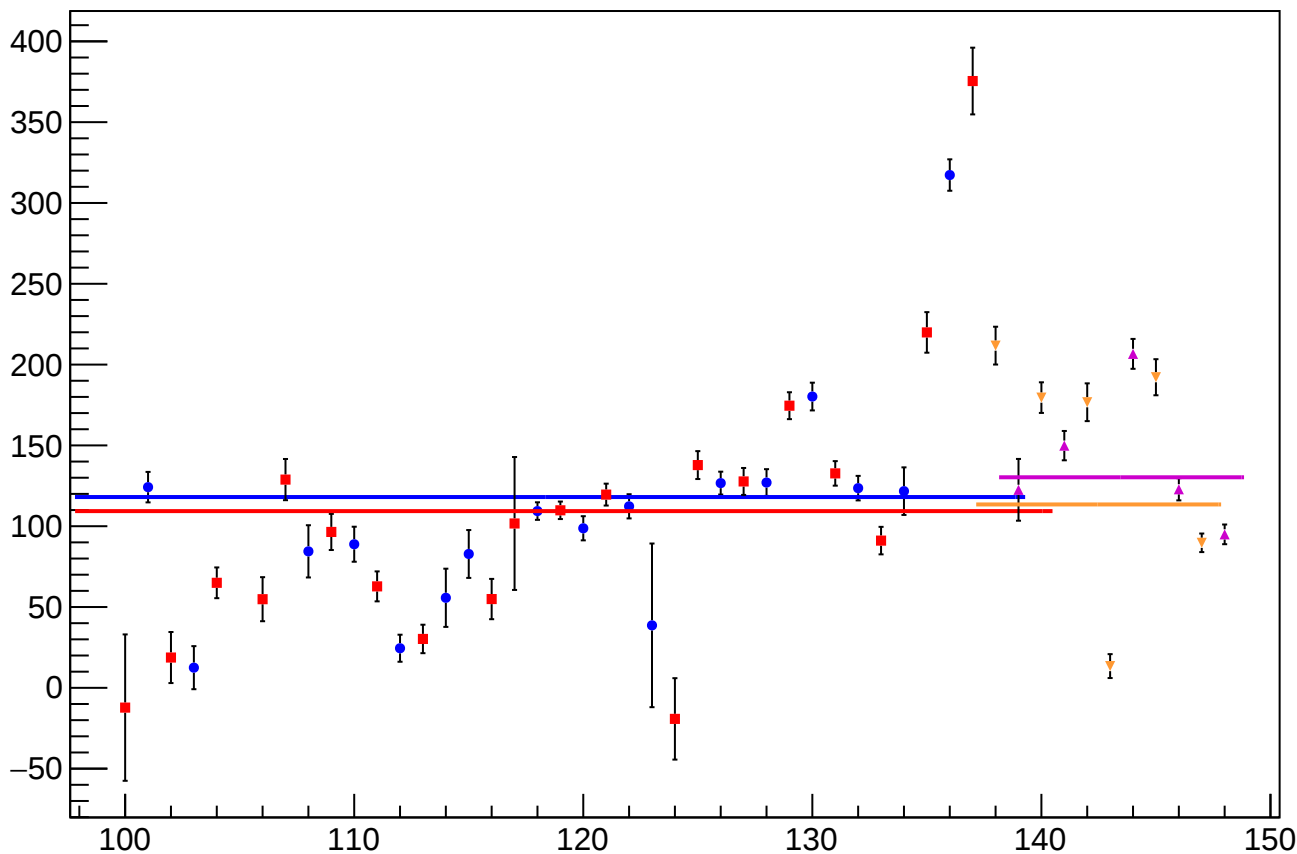
Right Out: 474.296 $\pm$ 3.524 χ^2 /NDF: 2288.2/19

Left In: 499.120 $\pm$ 4.515 χ^2 /NDF: 163.9/4

438.649 $\pm$ 2.790 χ^2 /NDF: 4810.9/22

483.694 $\pm$ 2.778 χ^2 /NDF: 2470.8/24

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 ± 2.225 χ^2/NDF : 705.3/16

Left Out: 113.467 ± 3.483 χ^2/NDF : 398.2/5

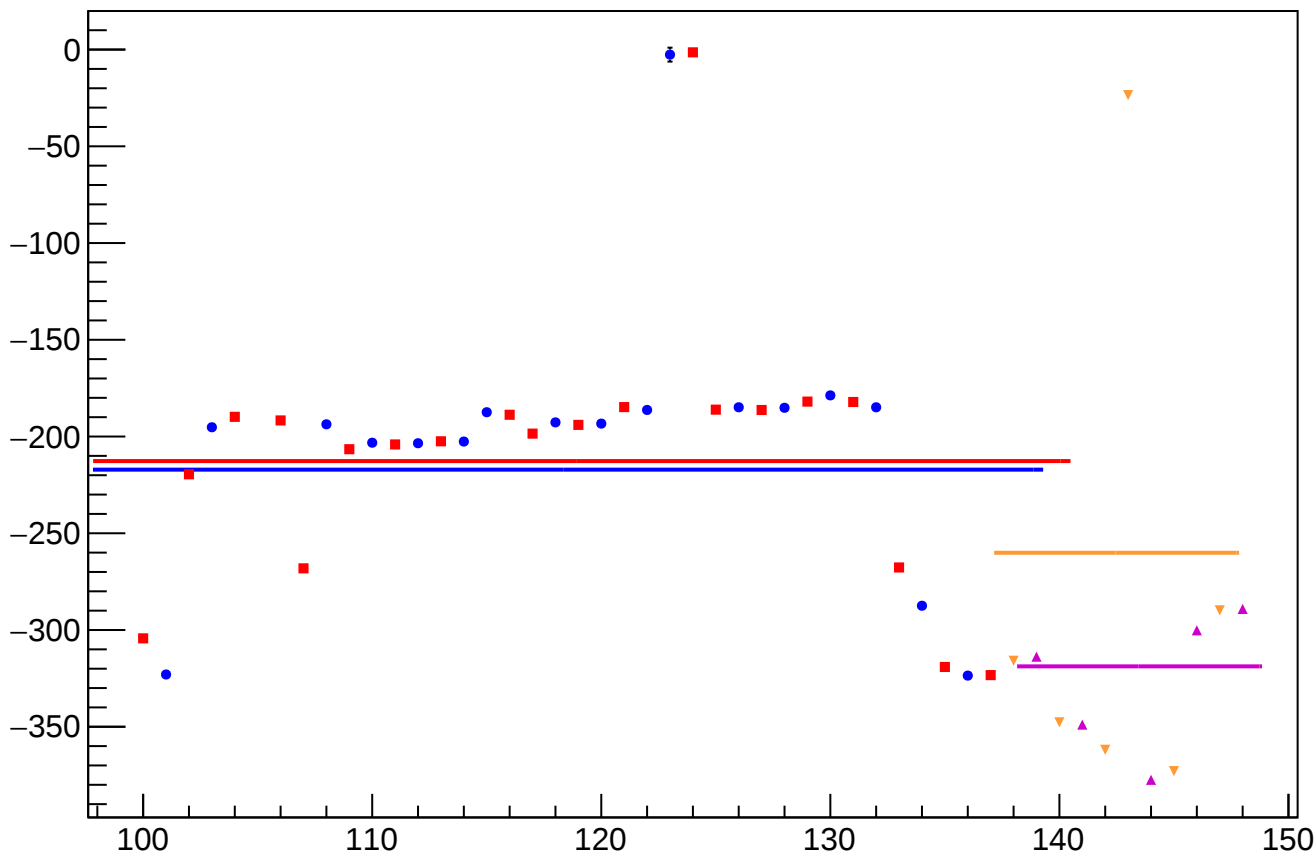
Right Out: 109.345 ± 2.202 χ^2/NDF : 569.8/19

Left In: 130.276 ± 3.657 χ^2/NDF : 107.7/4

116.725 ± 1.875 χ^2/NDF : 1104.7/22

114.912 ± 1.886 χ^2/NDF : 701.6/24

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -260.070+/-0.182 χ^2/NDF : 525468.0/5

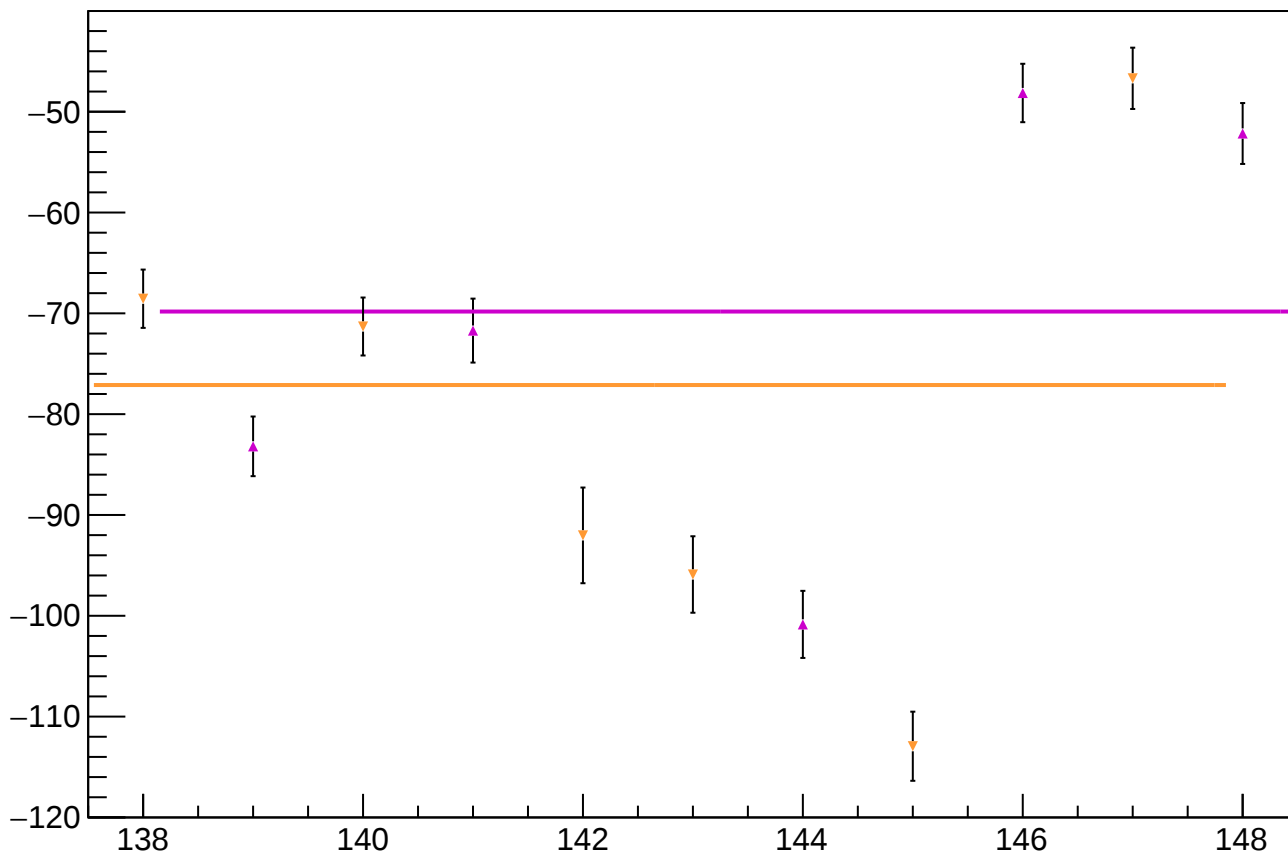
Right Out: -212.679+/-0.130 χ^2/NDF : 115596.4/19

Left In: -318.784+/-0.189 χ^2/NDF : 26451.9/4

-232.620+/-0.109 χ^2/NDF : 707718.6/22

-246.717+/-0.107 χ^2/NDF : 355711.0/24

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -77.111+/-1.351 χ^2/NDF : 256.6/5

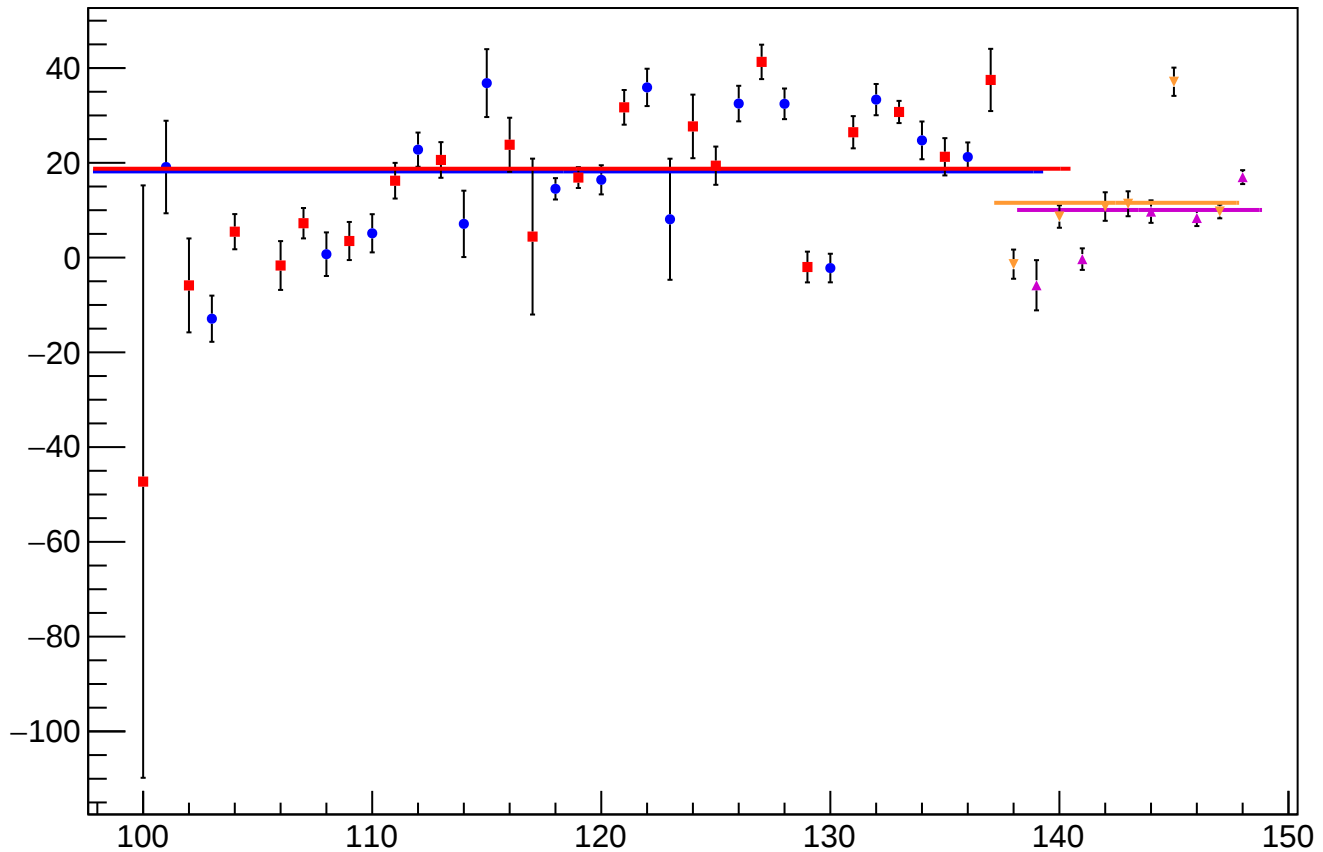
-77.111+/-1.351 χ^2/NDF : 256.6/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-69.822+/-1.370 χ^2/NDF : 198.0/4

Left In: -69.822+/-1.370 χ^2/NDF : 198.0/4

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 $\pm$ 0.917 χ^2/NDF : 204.9/16

Left Out: 11.562 $\pm$ 0.941 χ^2/NDF : 94.3/5

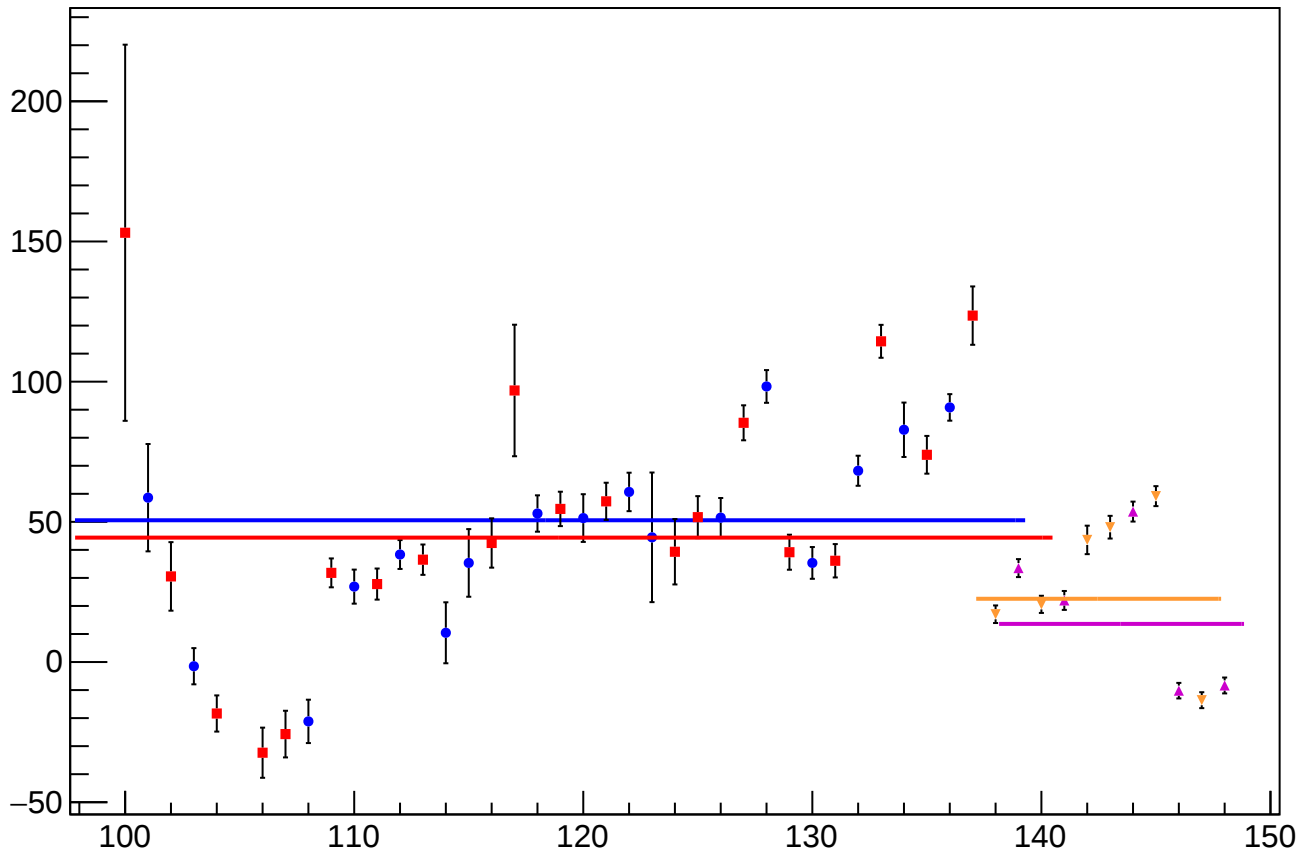
Right Out: 18.752 $\pm$ 0.862 χ^2/NDF : 199.5/19

Left In: 10.050 $\pm$ 0.908 χ^2/NDF : 53.1/4

14.959 $\pm$ 0.657 χ^2/NDF : 324.6/22

14.630 $\pm$ 0.625 χ^2/NDF : 300.9/24

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: 22.564+/-1.399 χ^2/NDF : 328.4/5

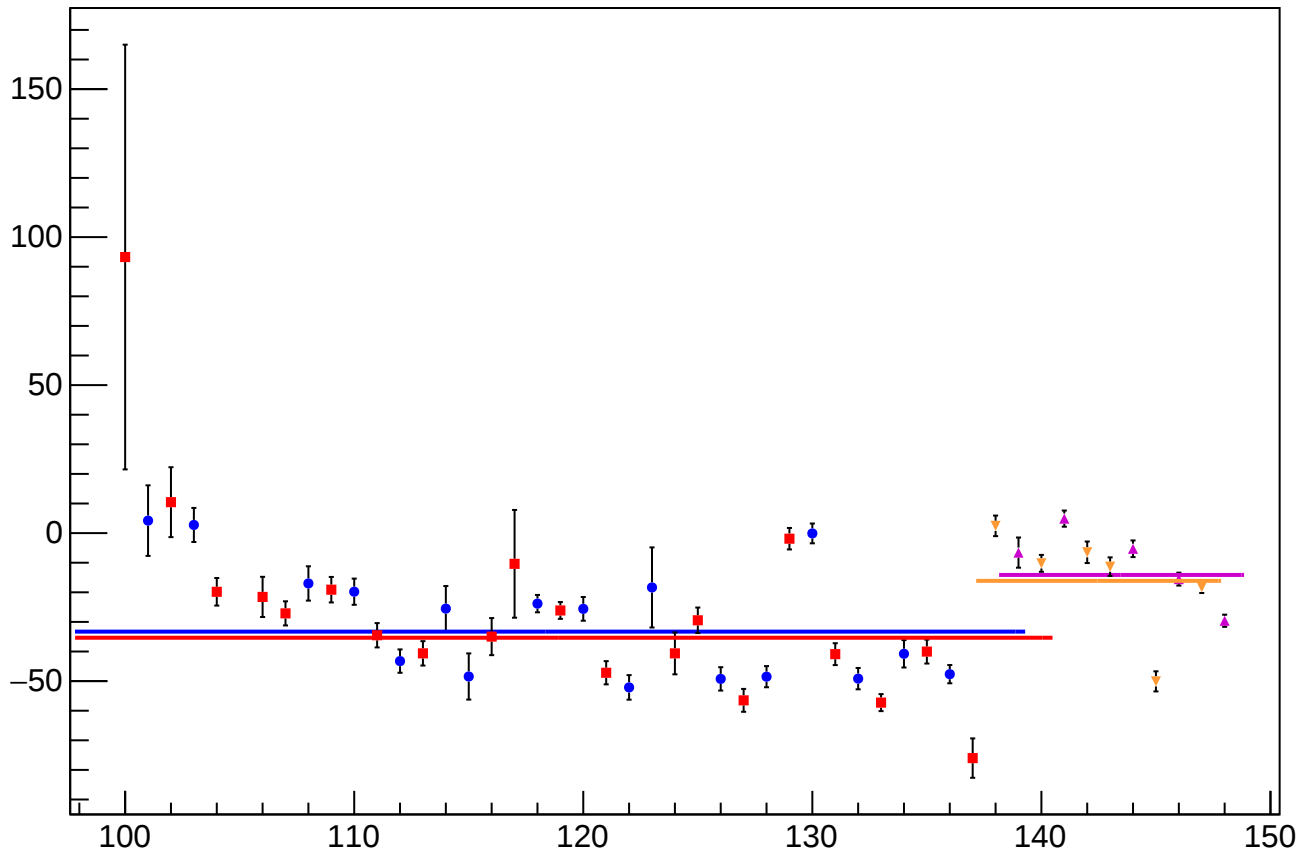
Right Out: 44.377+/-1.599 χ^2/NDF : 537.6/19

Left In: 13.600+/-1.388 χ^2/NDF : 305.4/4

34.048+/-1.074 χ^2/NDF : 850.6/22

26.827+/-1.048 χ^2/NDF : 1054.3/24

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.128 ± 1.177 χ^2/NDF : 143.4/5

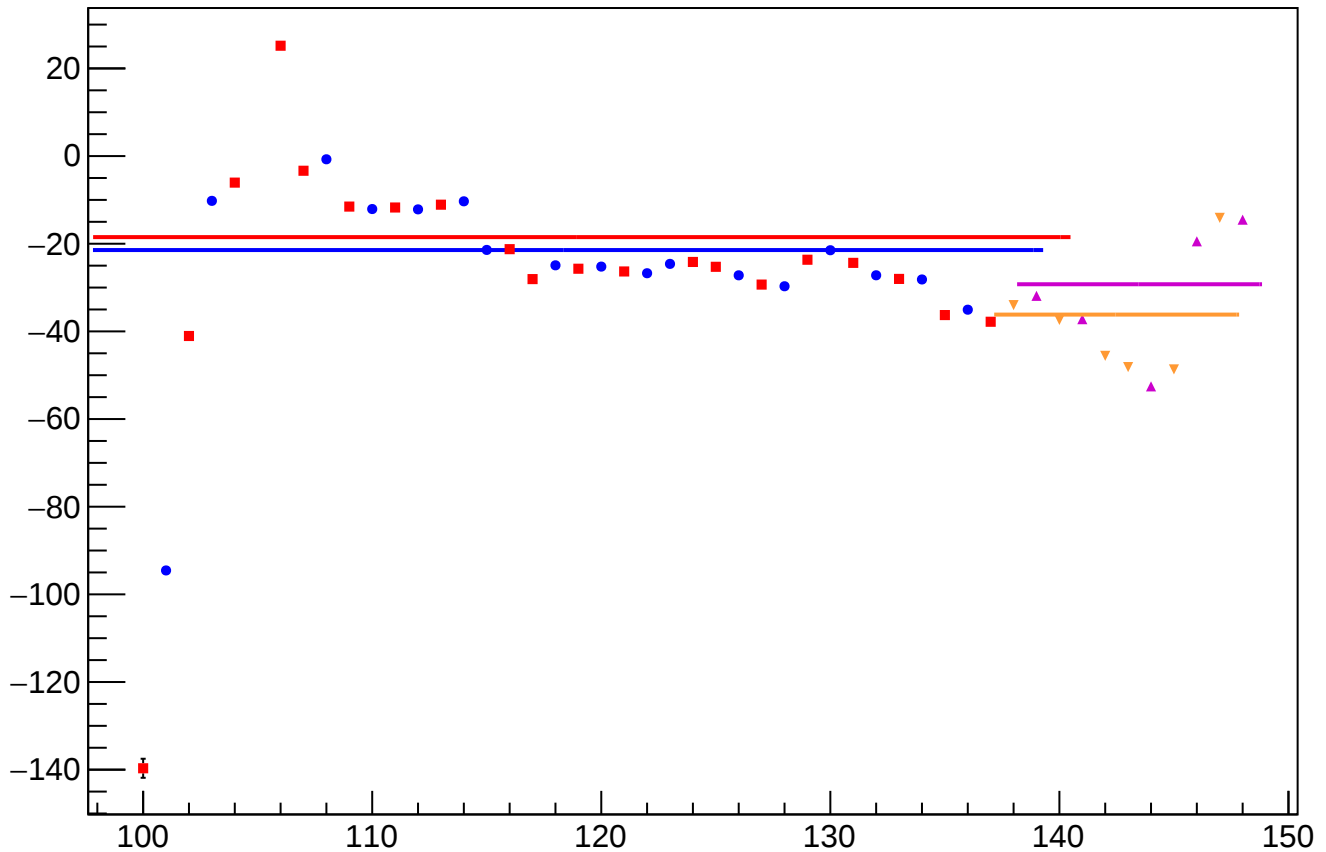
Right Out: -35.343 ± 0.990 χ^2/NDF : 291.6/19

Left In: -14.130 ± 1.157 χ^2/NDF : 117.9/4

-25.731 ± 0.781 χ^2/NDF : 552.4/22

-26.381 ± 0.752 χ^2/NDF : 603.5/24

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 χ^2/NDF : 48968.5/16

Left Out: -36.167 ± 0.059 χ^2/NDF : 43266.7/5

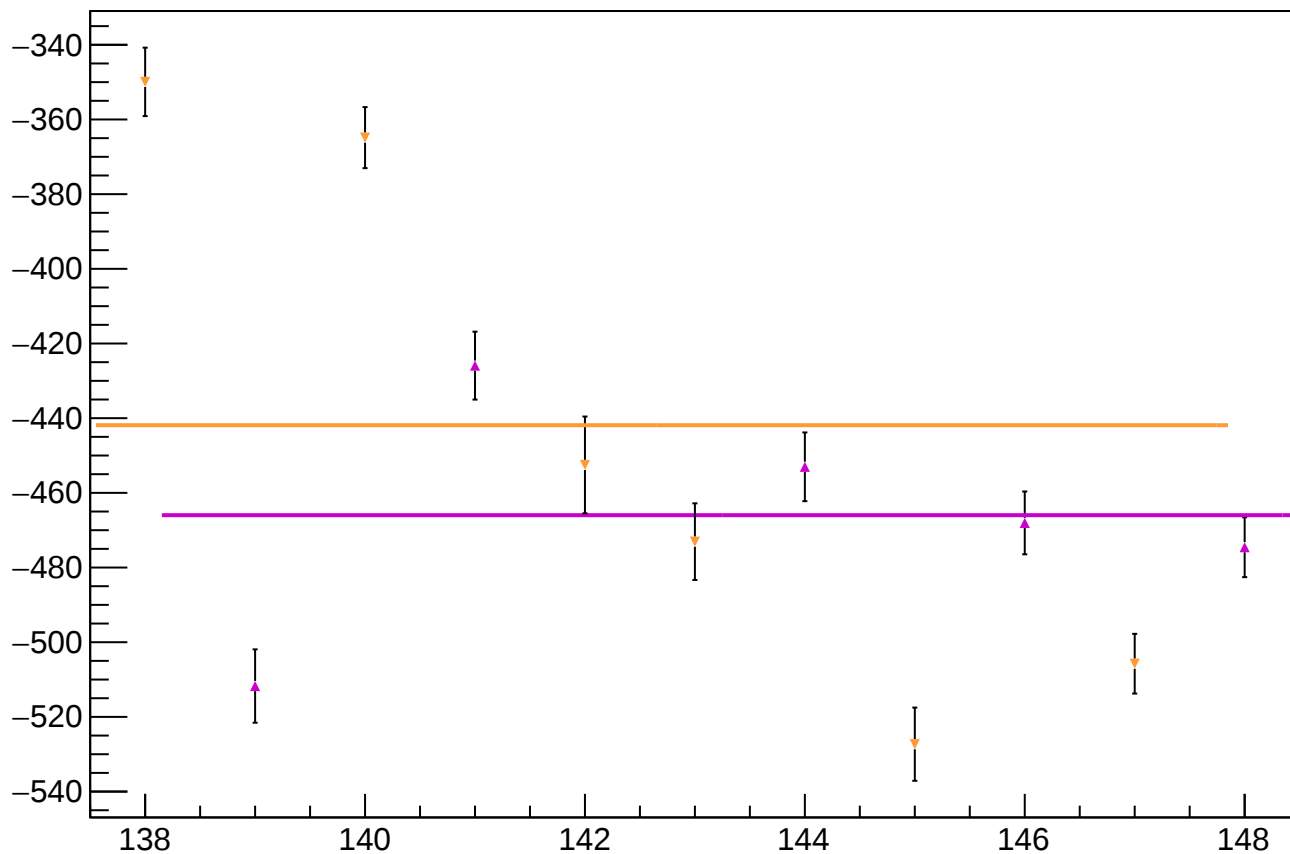
Right Out: -18.490 ± 0.057 χ^2/NDF : 80549.5/19

Left In: -29.245 ± 0.057 χ^2/NDF : 47062.9/4

-28.856 ± 0.042 χ^2/NDF : 123691.5/22

-23.862 ± 0.041 χ^2/NDF : 145196.5/24

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -441.882+/-3.825 χ^2/NDF : 339.0/5

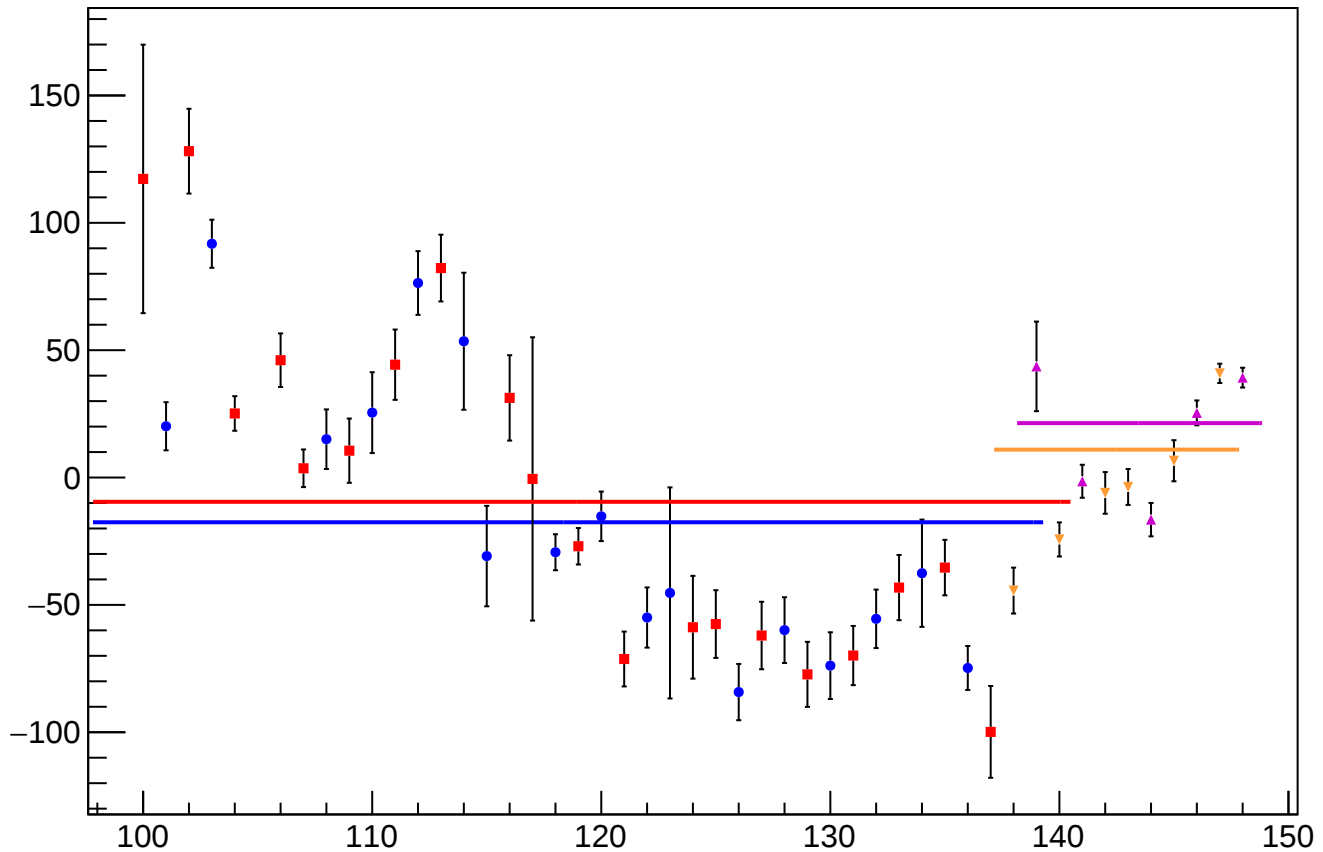
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -465.972+/-3.954 χ^2/NDF : 44.3/4

-441.882+/-3.825 χ^2/NDF : 339.0/5

-465.972+/-3.954 χ^2/NDF : 44.3/4

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 10.959 ± 2.542 χ^2/NDF : 136.9/5

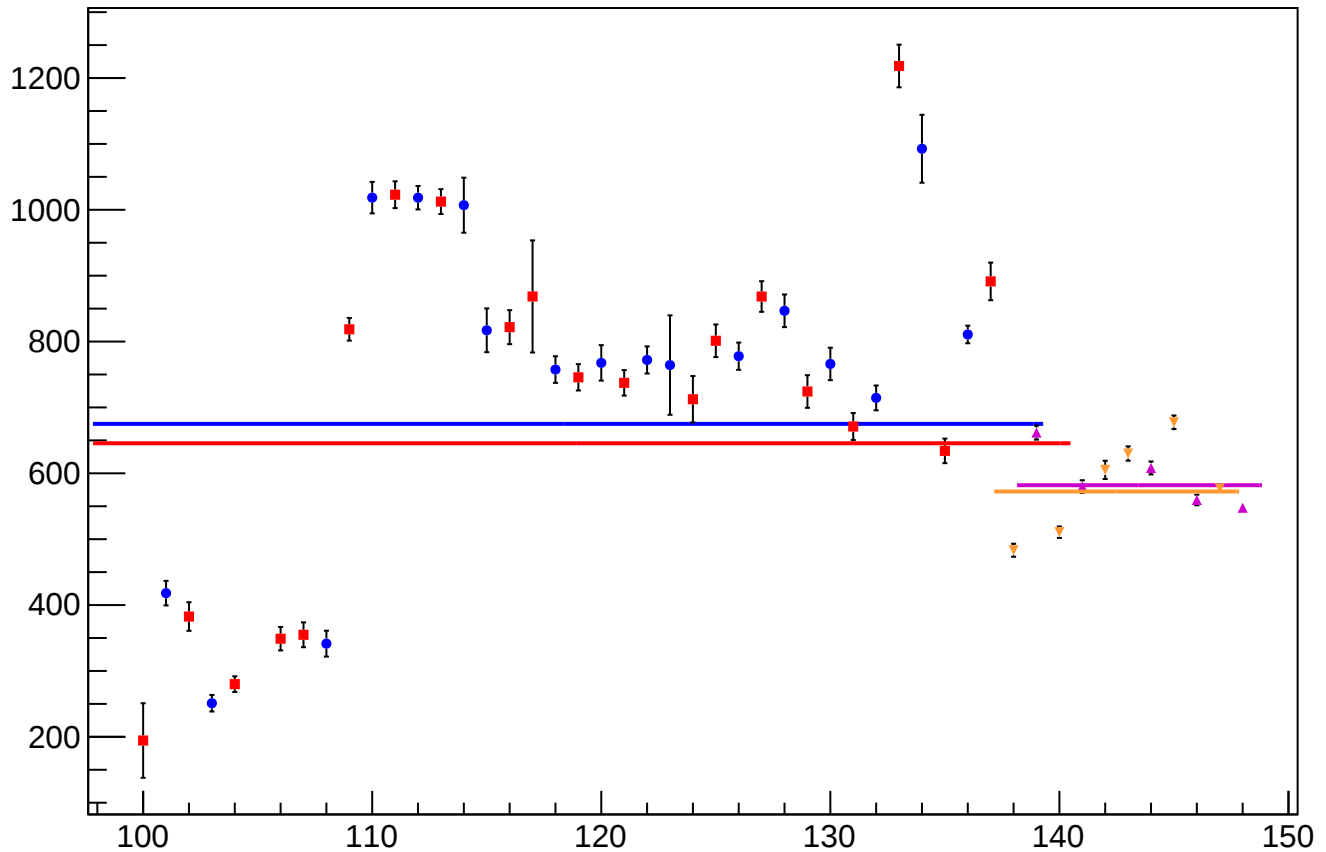
Right Out: -9.527 ± 2.606 χ^2/NDF : 370.3/19

Left In: 21.372 ± 2.511 χ^2/NDF : 69.2/4

-1.824 ± 1.888 χ^2/NDF : 557.1/22

6.496 ± 1.808 χ^2/NDF : 512.4/24

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 572.354 $\pm$ 3.948 χ^2 /NDF:267.7/5

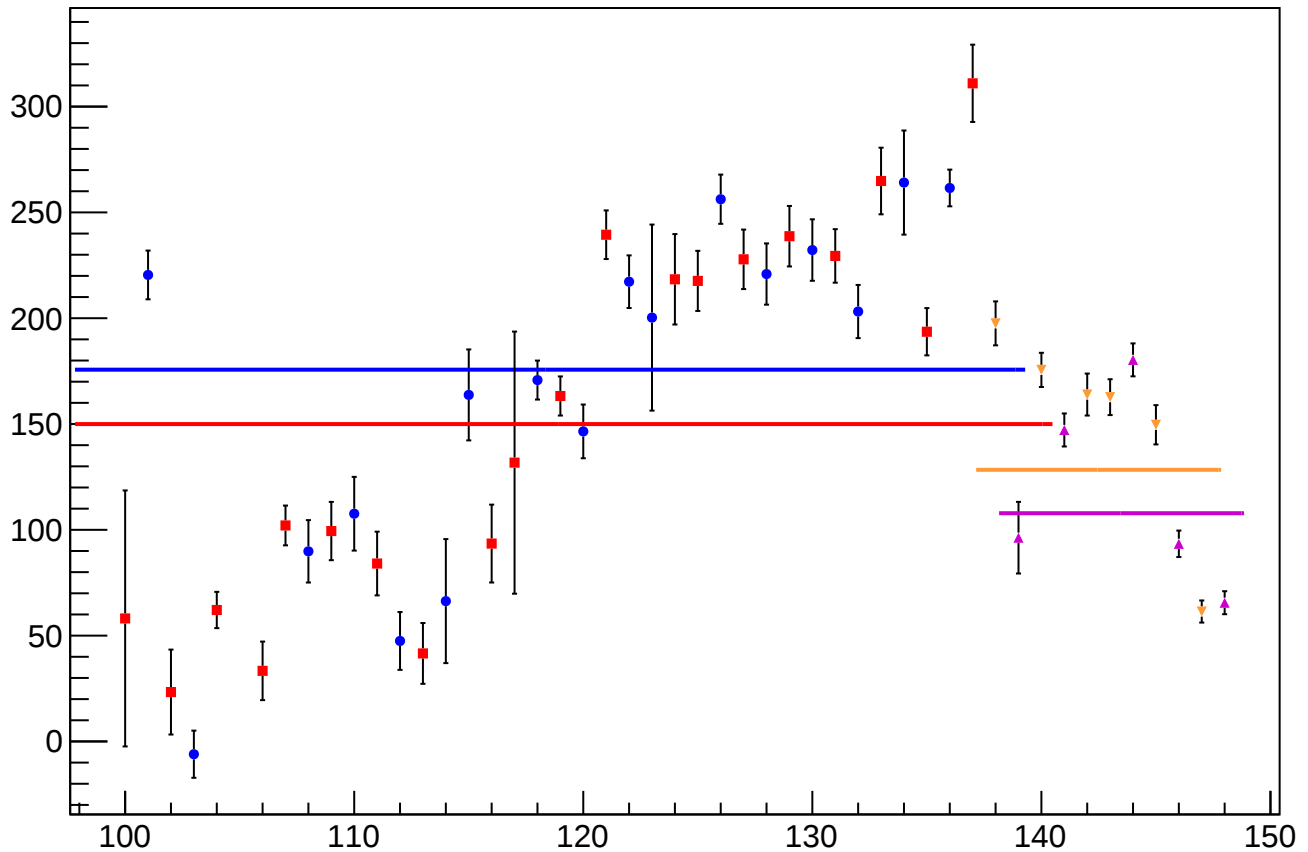
Right Out: 645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

Left In: 581.946 $\pm$ 3.983 χ^2 /NDF:91.9/4

611.144 $\pm$ 3.114 χ^2 /NDF: 3107.6/22

608.206 $\pm$ 3.053 χ^2 /NDF: 3326.3/24

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 128.358 ± 3.212 χ^2/NDF : 277.4/5

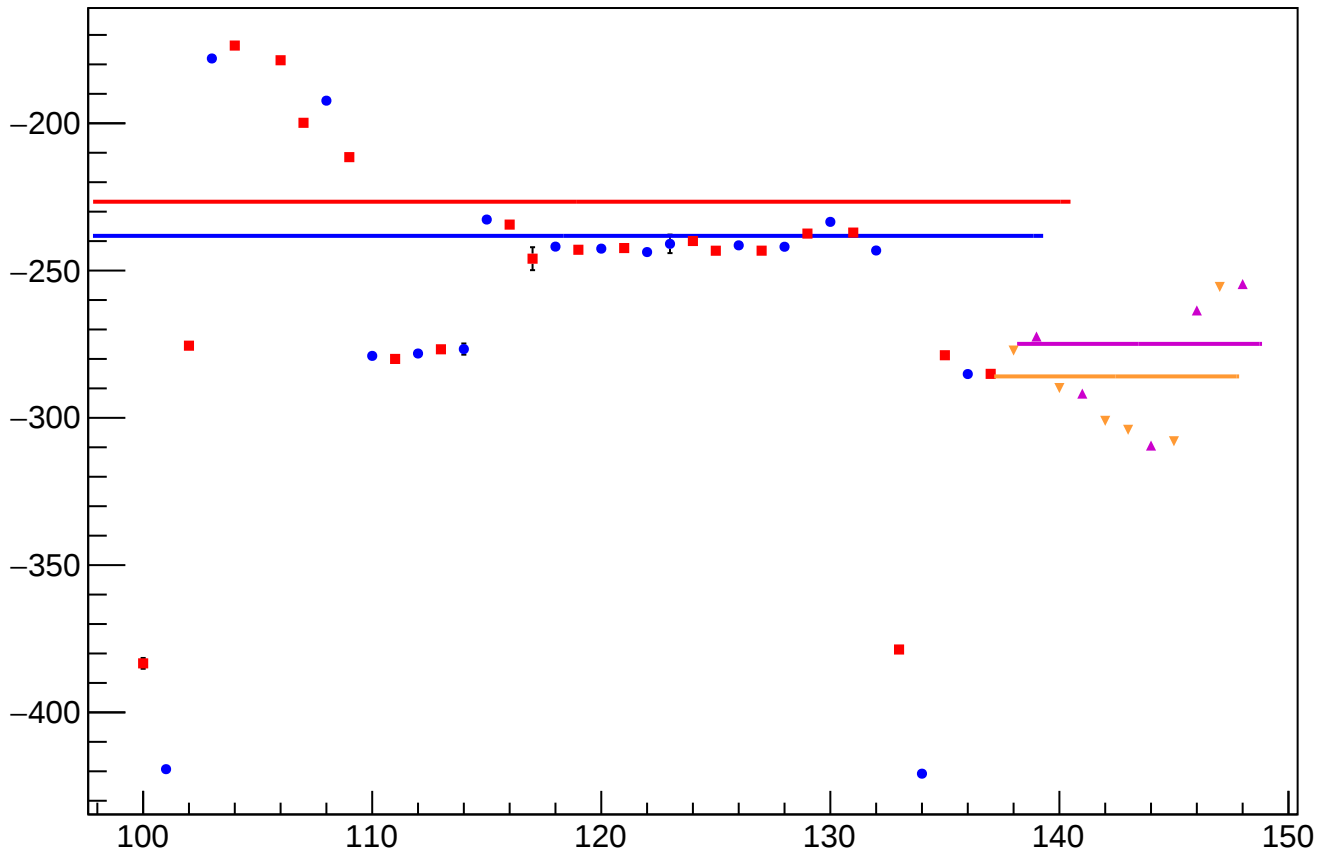
Right Out: 149.973 ± 3.038 χ^2/NDF : 693.8/19

Left In: 107.851 ± 3.229 χ^2/NDF : 178.6/4

151.827 ± 2.281 χ^2/NDF : 1022.9/22

130.189 ± 2.213 χ^2/NDF : 962.7/24

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 $\chi^2/\text{NDF}: 167120.0/16$

Left Out: -285.935 ± 0.167 $\chi^2/\text{NDF}: 13397.3/5$

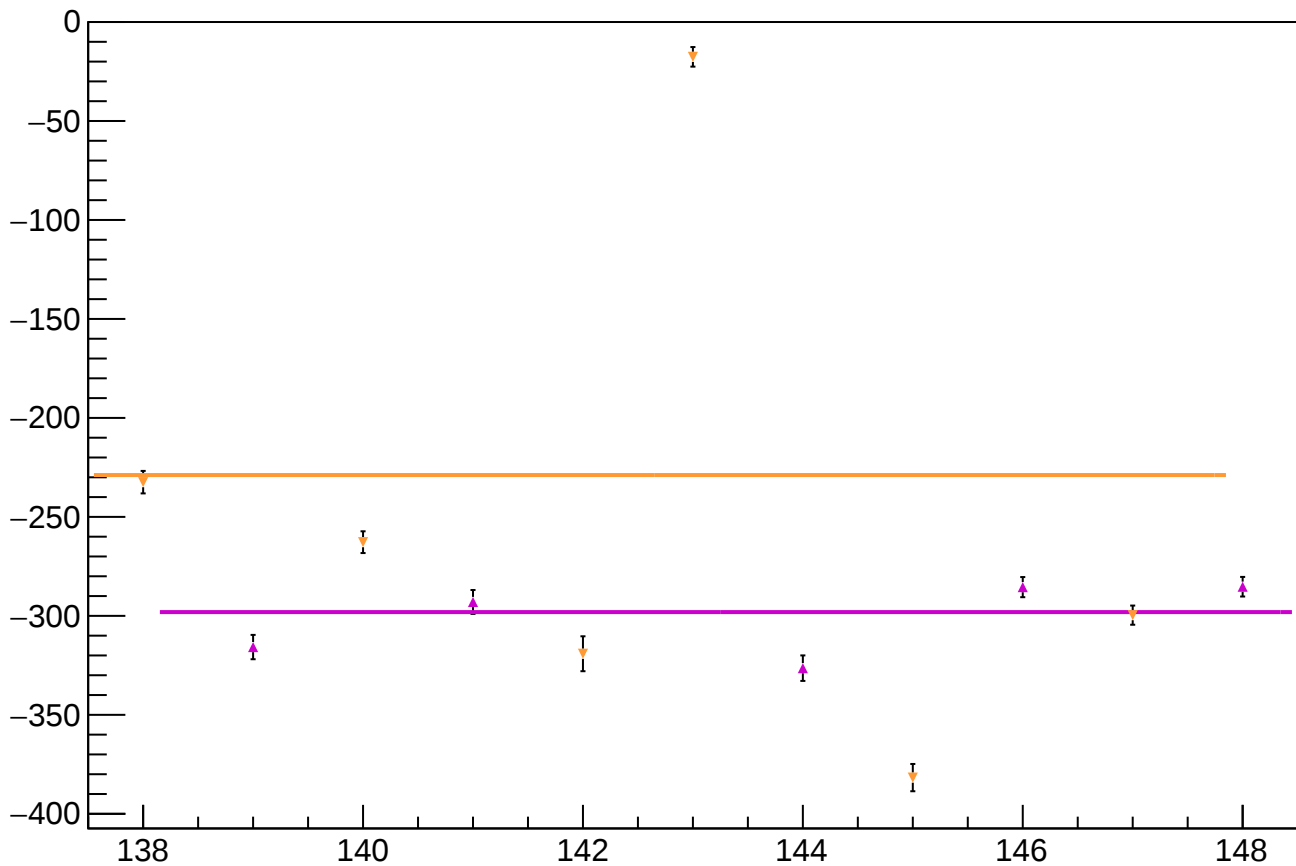
Right Out: -226.626 ± 0.151 $\chi^2/\text{NDF}: 102587.0/19$

Left In: -274.891 ± 0.167 $\chi^2/\text{NDF}: 13252.7/4$

-261.091 ± 0.116 $\chi^2/\text{NDF}: 222911.7/22$

-248.396 ± 0.112 $\chi^2/\text{NDF}: 161850.8/24$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -228.865+/-2.347 χ^2/NDF : 2673.4/5

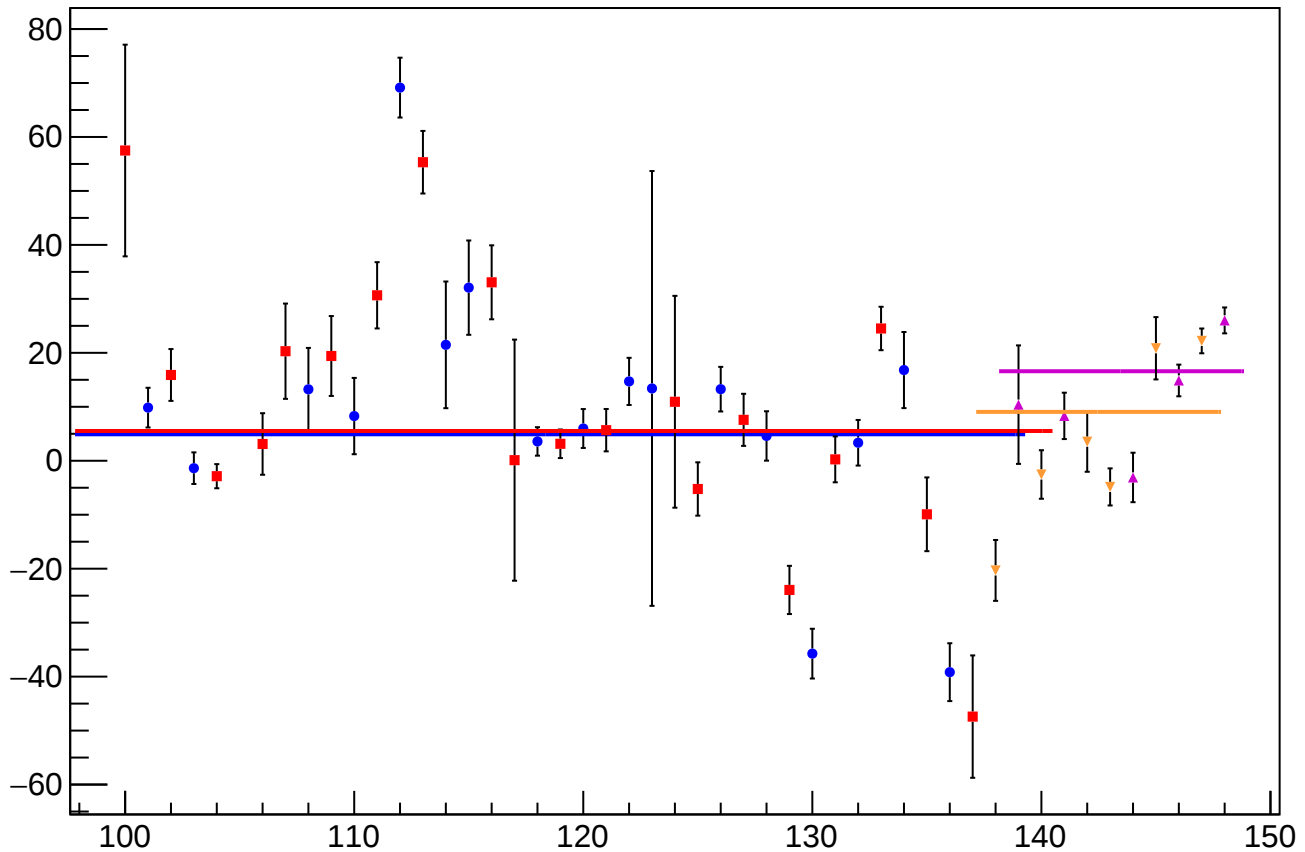
-228.865+/-2.347 χ^2/NDF : 2673.4/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-298.095+/-2.520 χ^2/NDF : 41.2/4

Left In: -298.095+/-2.520 χ^2/NDF : 41.2/4

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: 9.056 ± 1.548 $\chi^2/\text{NDF}: 88.1/5$

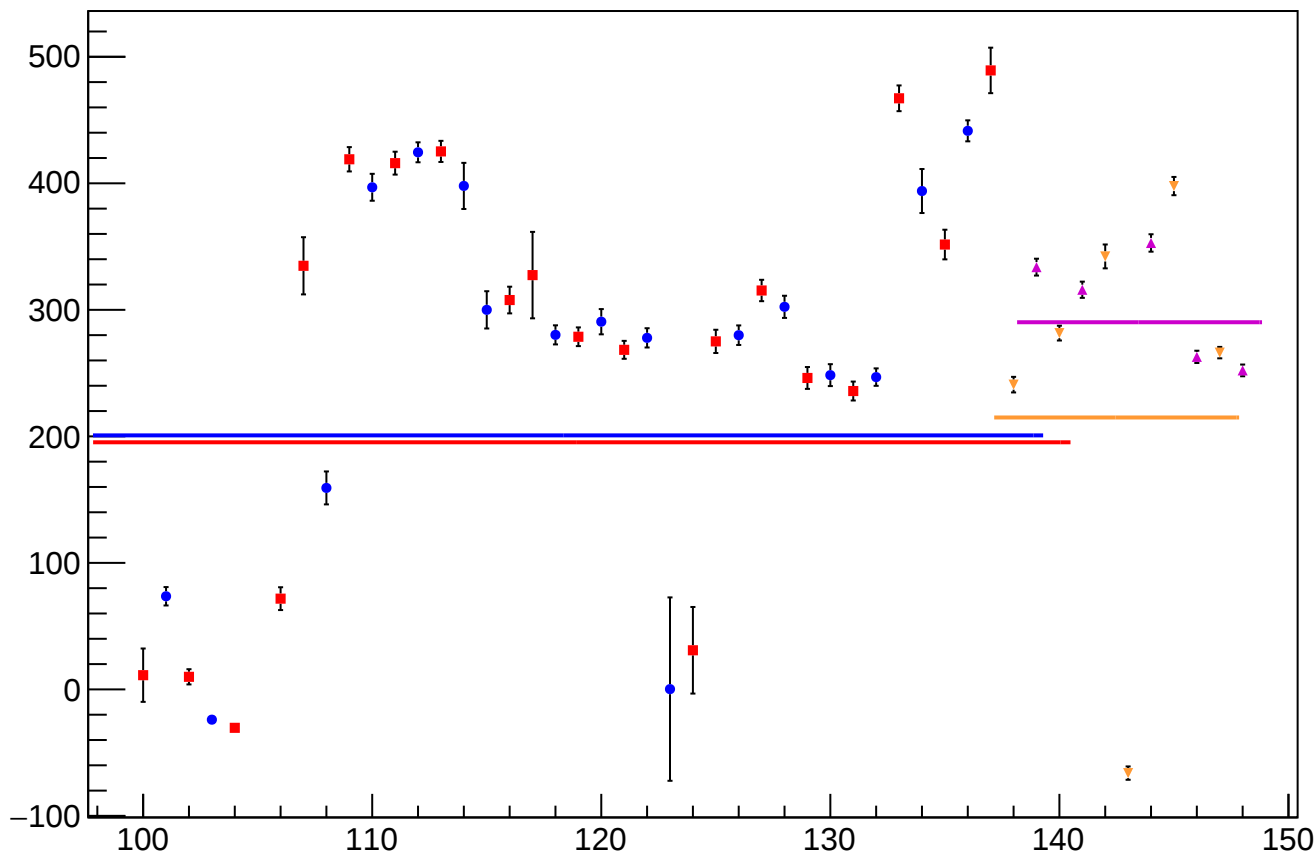
Right Out: 5.517 ± 1.067 $\chi^2/\text{NDF}: 239.0/19$

Left In: 16.588 ± 1.582 $\chi^2/\text{NDF}: 38.2/4$

6.307 ± 0.900 $\chi^2/\text{NDF}: 404.6/22$

8.981 ± 0.885 $\chi^2/\text{NDF}: 310.8/24$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 214.919 $\pm$ 2.420 χ^2 /NDF:3933.4/5

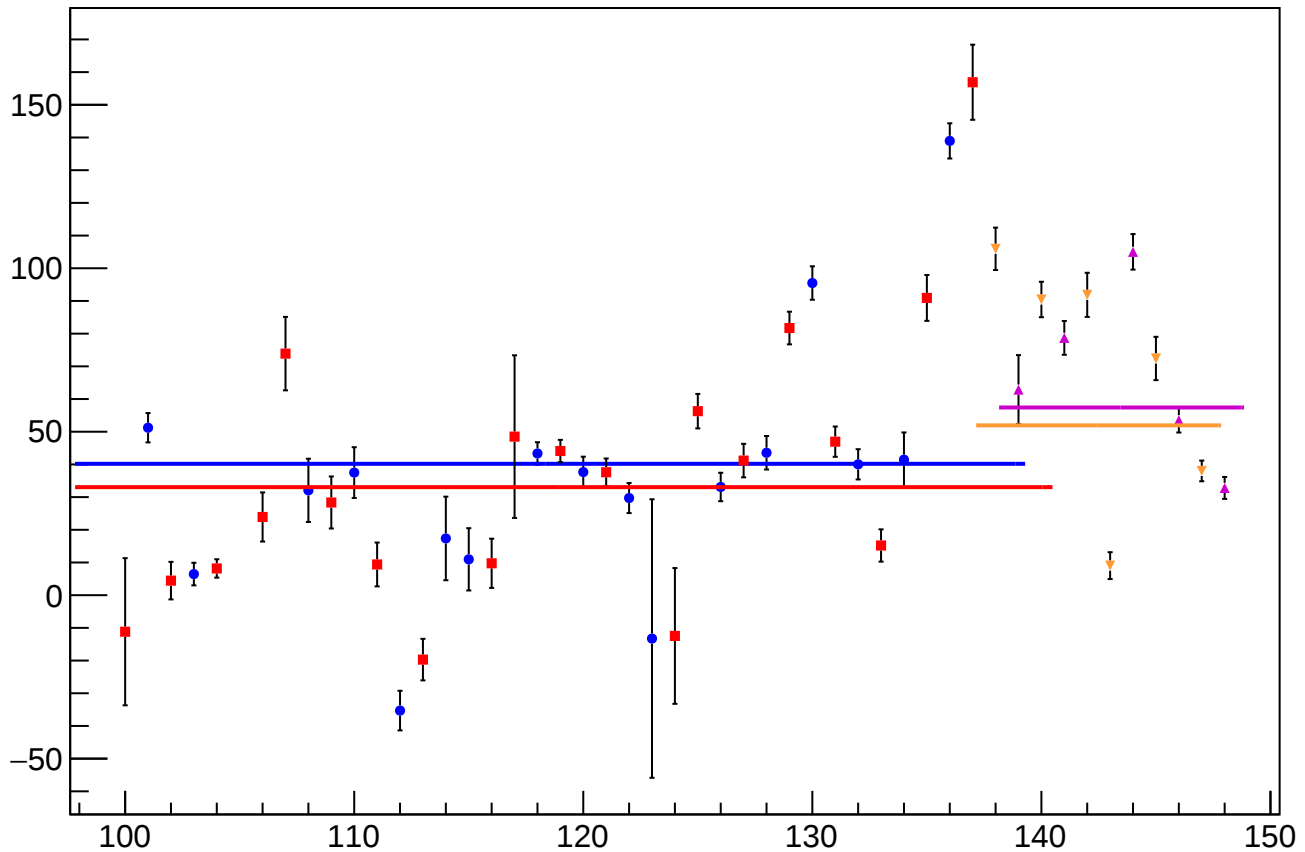
Right Out: 195.311 $\pm$ 1.921 χ^2 /NDF: 8262.1/19

Left In: 290.199 $\pm$ 2.526 χ^2 /NDF:240.5/4

206.456 $\pm$ 1.534 χ^2 /NDF: 10686.8/22

230.073 $\pm$ 1.529 χ^2 /NDF: 9396.7/24

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 $\chi^2/\text{NDF}: 734.6/16$

Left Out: 51.948 ± 1.955 $\chi^2/\text{NDF}: 292.7/5$

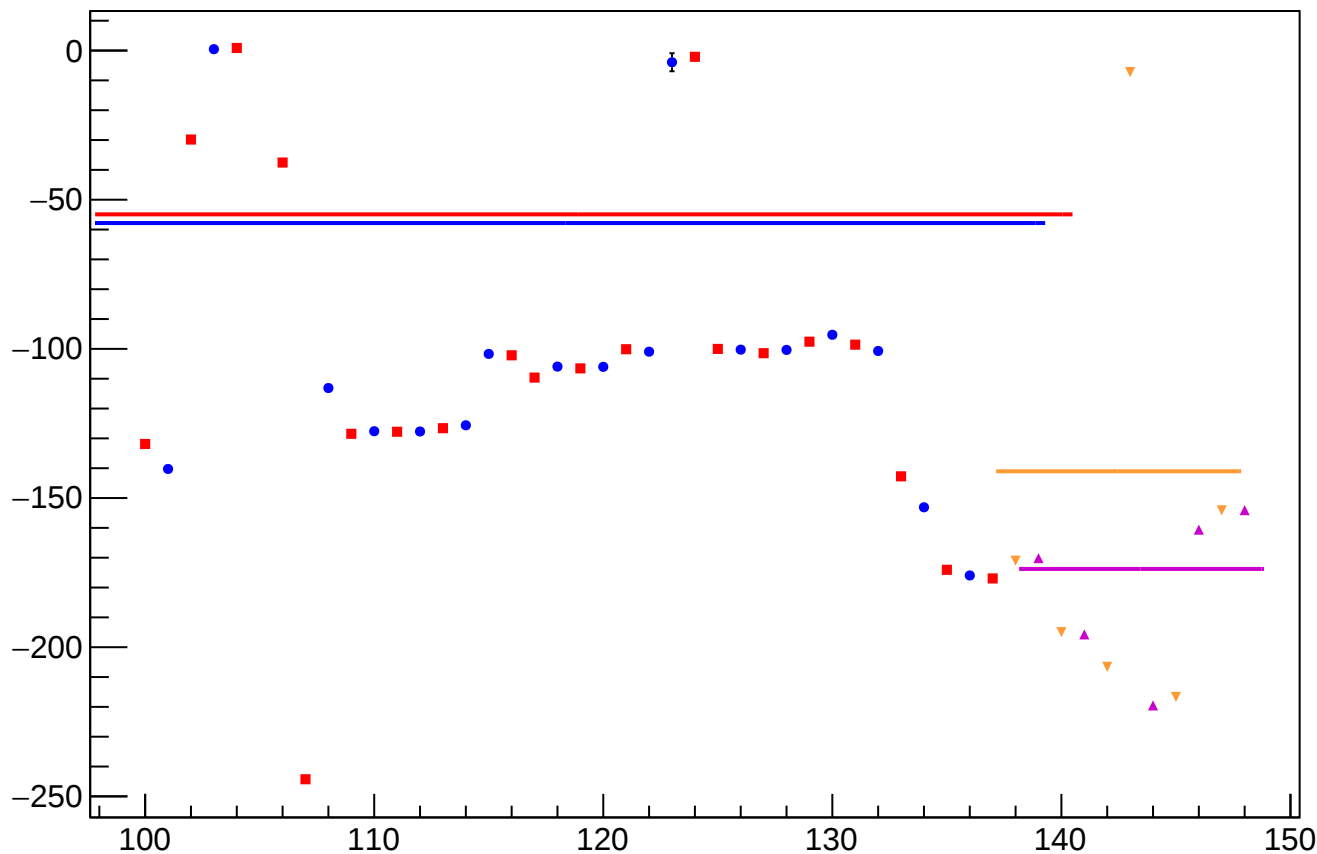
Right Out: 33.045 ± 1.249 $\chi^2/\text{NDF}: 553.1/19$

Left In: 57.410 ± 2.044 $\chi^2/\text{NDF}: 148.6/4$

43.726 ± 1.073 $\chi^2/\text{NDF}: 1052.5/22$

39.666 ± 1.066 $\chi^2/\text{NDF}: 805.1/24$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -141.027 ± 0.102 $\chi^2/\text{NDF}: 564956.4/5$

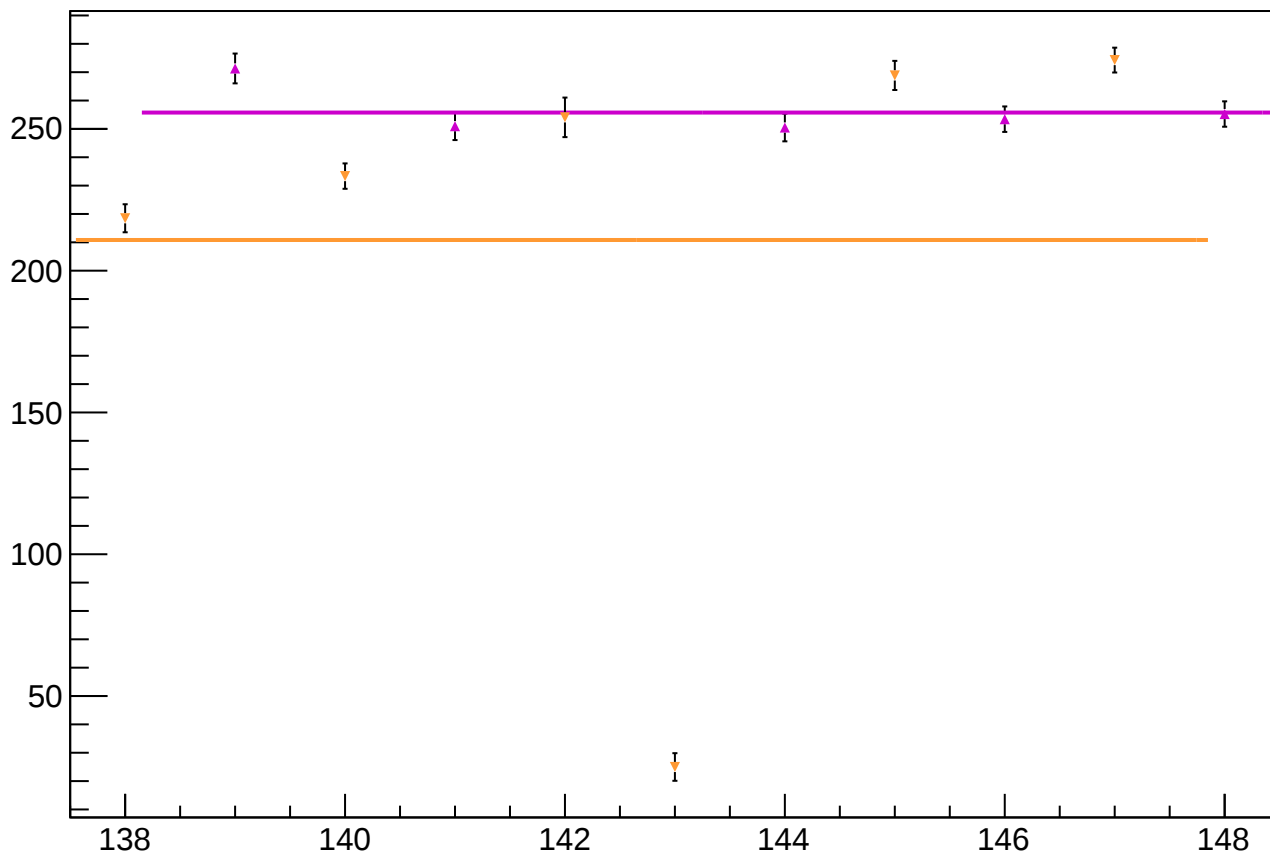
Right Out: -54.915 ± 0.060 $\chi^2/\text{NDF}: 1001968.3/19$

Left In: -173.764 ± 0.106 $\chi^2/\text{NDF}: 43618.2/4$

-80.097 ± 0.053 $\chi^2/\text{NDF}: 2151749.2/22$

-83.984 ± 0.052 $\chi^2/\text{NDF}: 1999288.2/24$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 210.823+/-2.026 χ^2/NDF : 1860.0/5

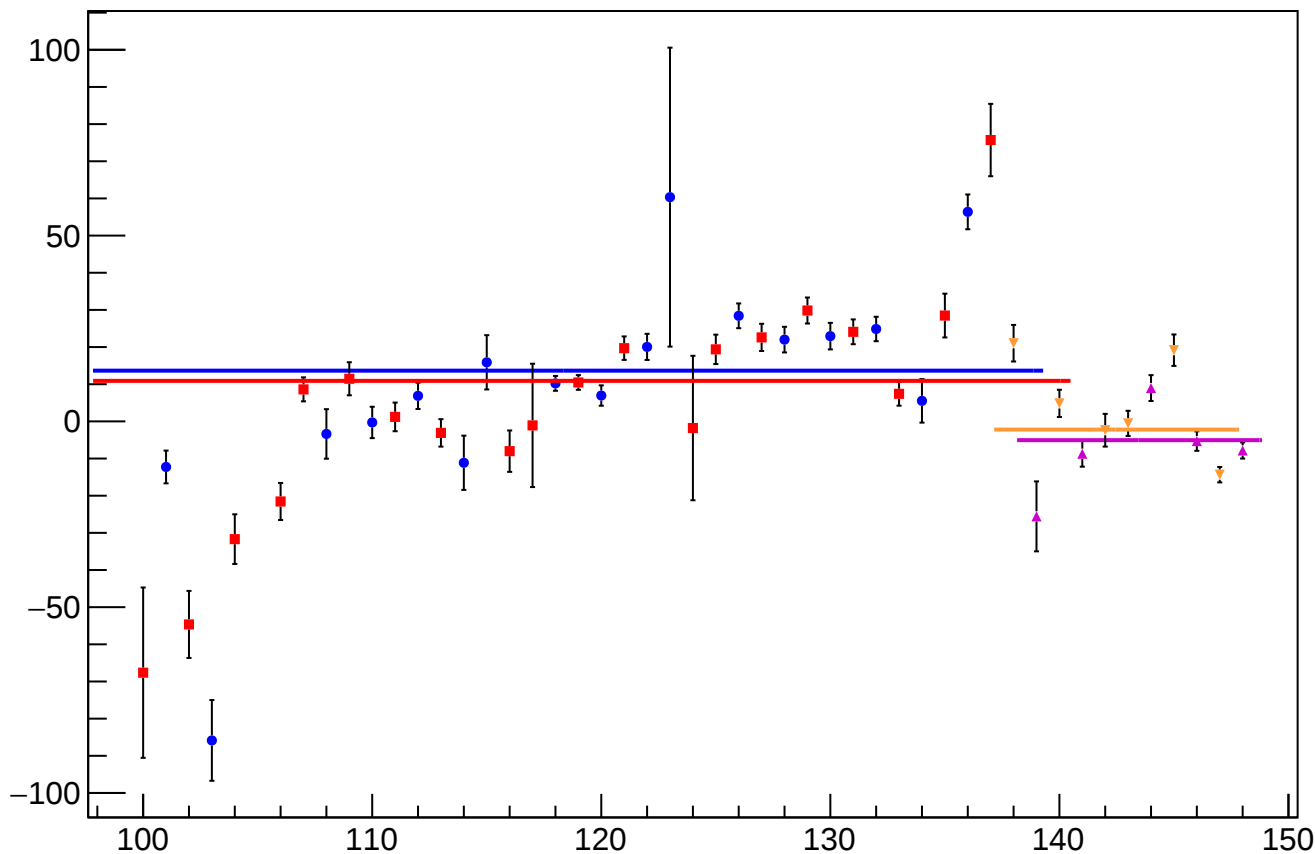
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 255.760+/-2.136 χ^2/NDF : 11.2/4

210.823+/-2.026 χ^2/NDF : 1860.0/5

255.760+/-2.136 χ^2/NDF : 11.2/4

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: -2.208 $\pm$ 1.358 χ^2 /NDF: 85.9/5

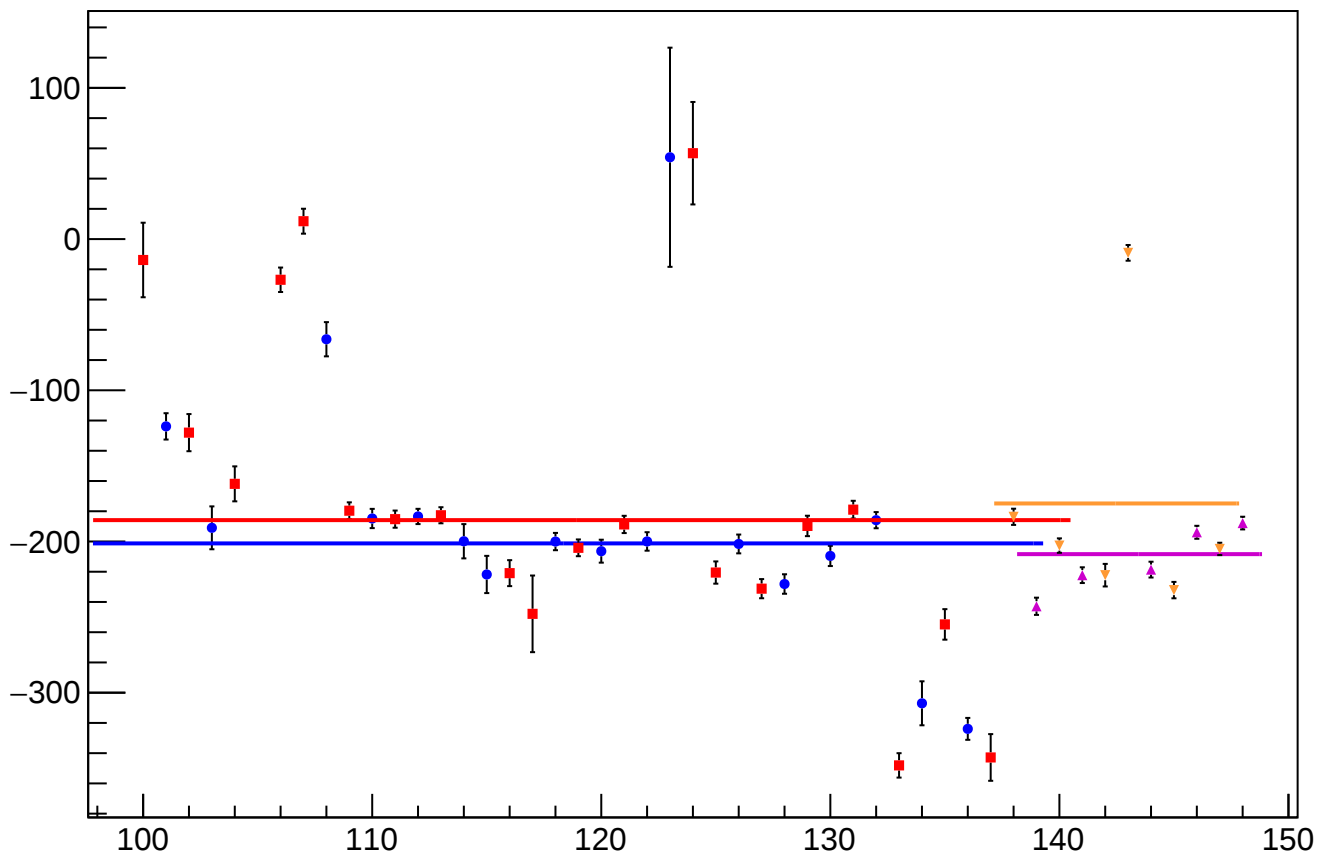
Right Out: 10.908 $\pm$ 0.912 χ^2 /NDF: 303.1/19

Left In: -5.052 $\pm$ 1.369 χ^2 /NDF: 23.7/4

8.543 $\pm$ 0.771 χ^2 /NDF: 472.4/22

6.005 $\pm$ 0.759 χ^2 /NDF: 420.9/24

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -174.851 ± 2.096 χ^2/NDF : 1259.2/5

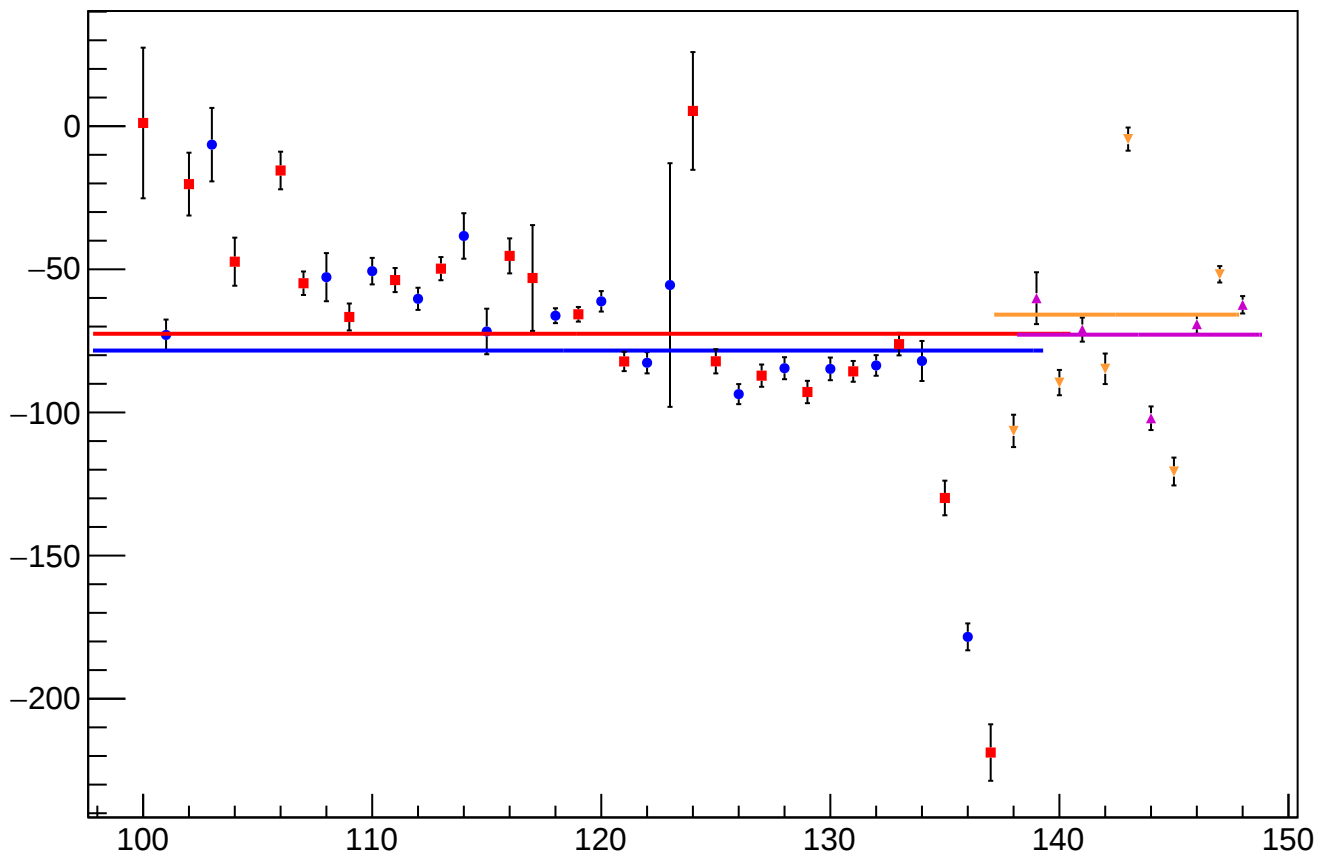
Right Out: -185.871 ± 1.695 χ^2/NDF : 1752.0/19

Left In: -208.366 ± 2.155 χ^2/NDF : 82.9/4

-190.089 ± 1.364 χ^2/NDF : 1974.2/22

-194.471 ± 1.333 χ^2/NDF : 1902.2/24

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 $\chi^2/\text{NDF}: 651.4/16$

Left Out: -65.834 ± 1.707 $\chi^2/\text{NDF}: 473.9/5$

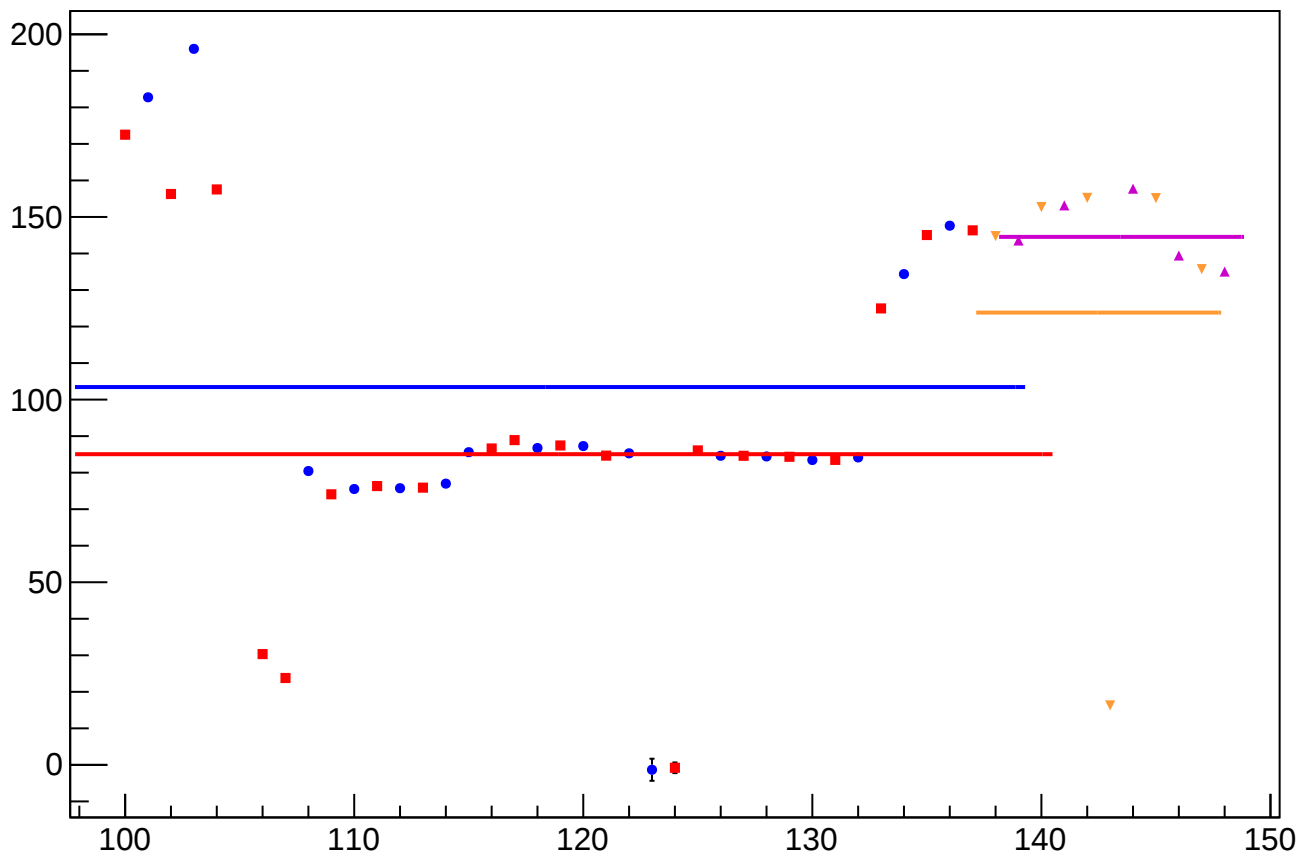
Right Out: -72.514 ± 1.050 $\chi^2/\text{NDF}: 607.0/19$

Left In: -72.832 ± 1.755 $\chi^2/\text{NDF}: 65.2/4$

-74.786 ± 0.914 $\chi^2/\text{NDF}: 1163.8/22$

-72.597 ± 0.901 $\chi^2/\text{NDF}: 672.2/24$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 +/- 0.071 χ^2/NDF : 272785.6/16

Left Out: 123.825 +/- 0.088 χ^2/NDF : 332803.5/5

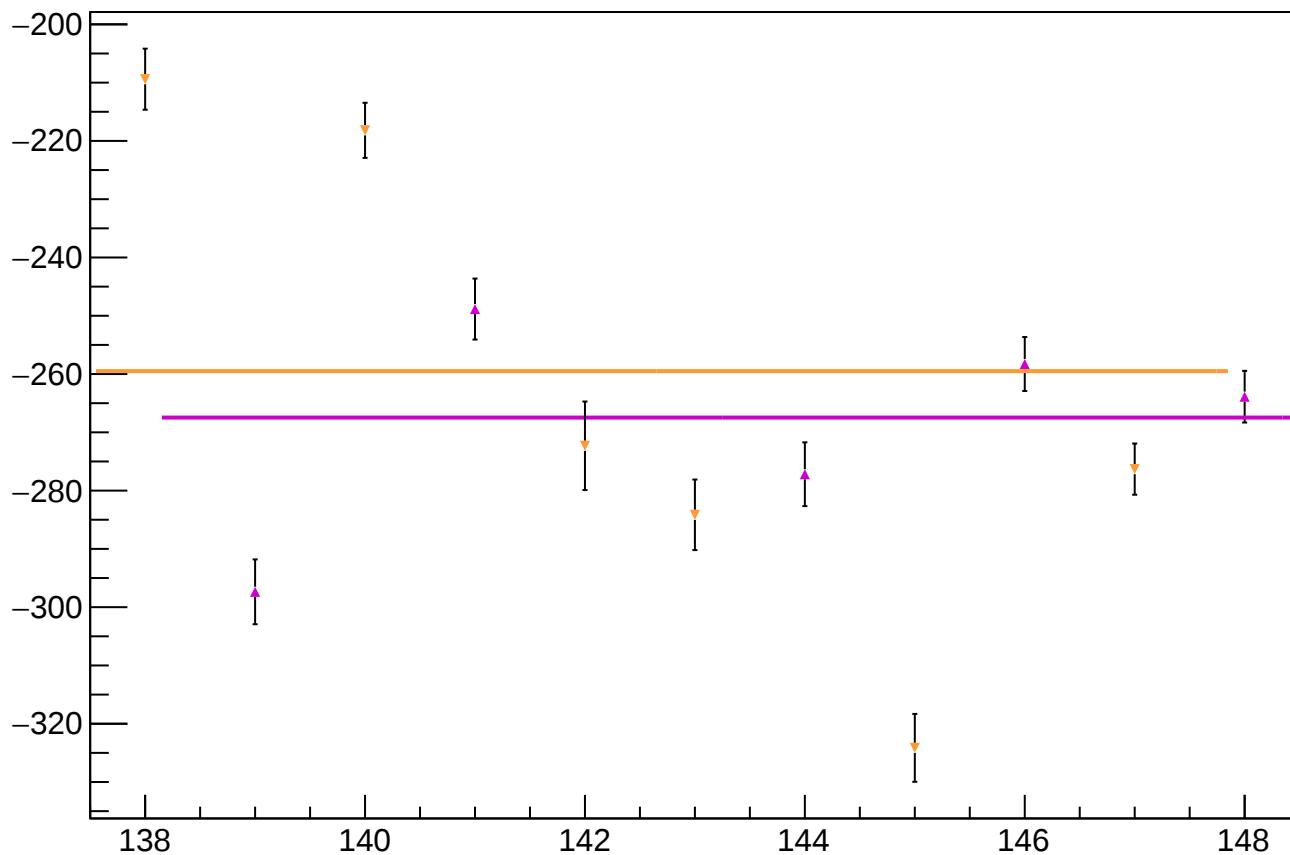
Right Out: 85.054 +/- 0.064 χ^2/NDF : 422354.0/19

Left In: 144.545 +/- 0.090 χ^2/NDF : 8491.8/4

111.431 +/- 0.055 χ^2/NDF : 638035.1/22

104.833 +/- 0.052 χ^2/NDF : 721336.9/24

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -259.494+/-2.197 χ^2/NDF : 325.2/5

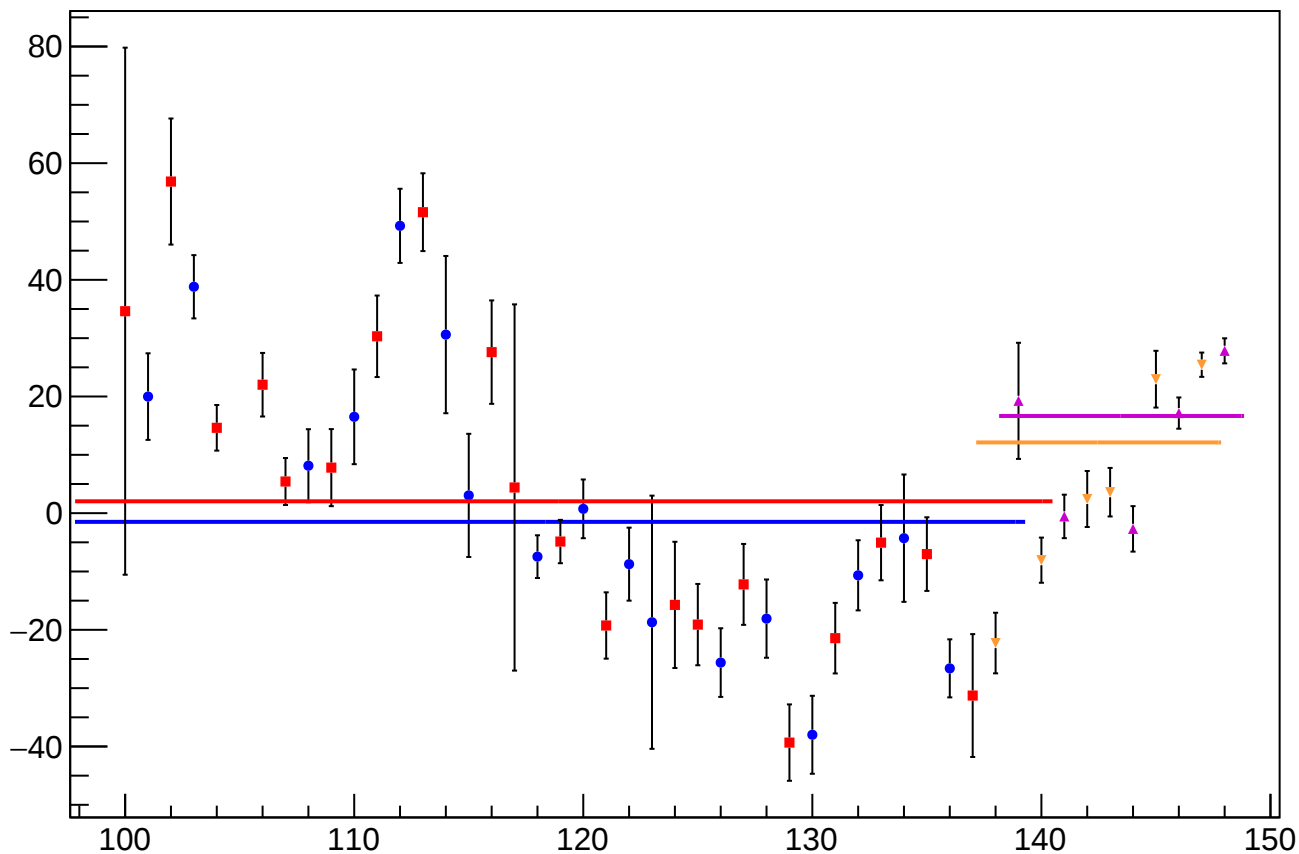
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -267.468+/-2.237 χ^2/NDF : 49.3/4

-259.494+/-2.197 χ^2/NDF : 325.2/5

-267.468+/-2.237 χ^2/NDF : 49.3/4

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 12.125 ± 1.446 χ^2/NDF : 125.3/5

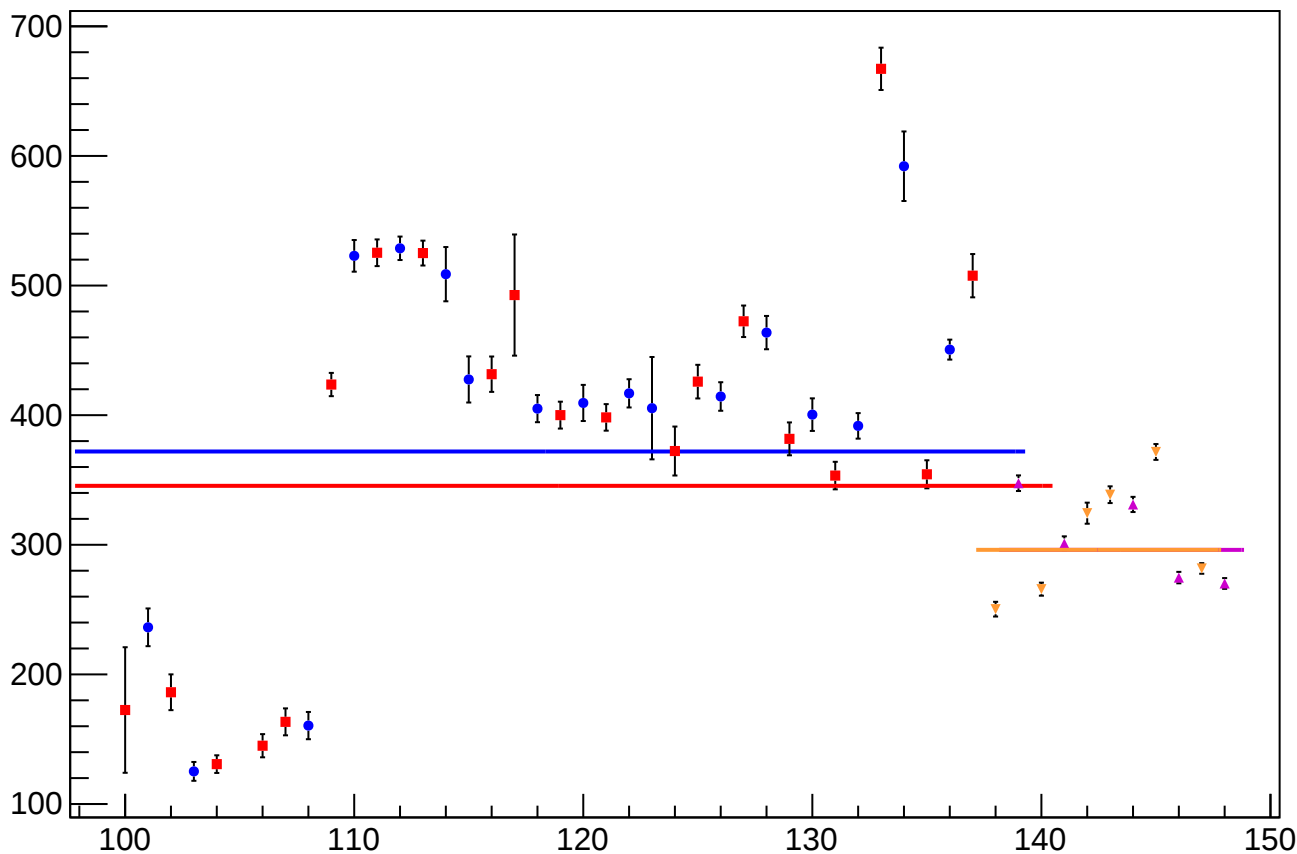
Right Out: 2.032 ± 1.398 χ^2/NDF : 233.3/19

Left In: 16.660 ± 1.409 χ^2/NDF : 73.1/4

5.728 ± 1.053 χ^2/NDF : 392.8/22

9.289 ± 0.993 χ^2/NDF : 360.6/24

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975±2.778 χ^2/NDF : 2432.6/16

Left Out: 296.101±2.259 χ^2/NDF : 321.9/5

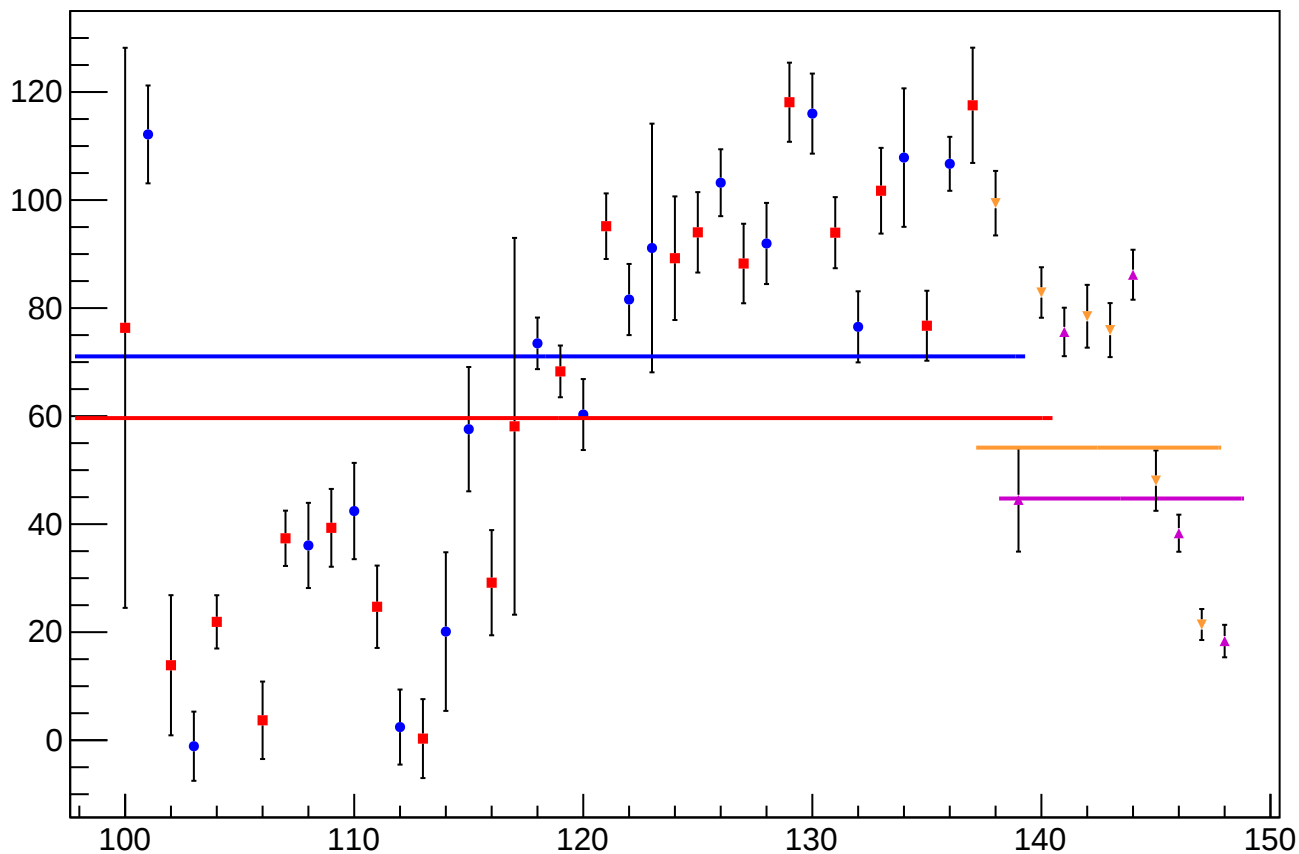
Right Out: 345.485±2.558 χ^2/NDF : 3425.1/19

Left In: 296.073±2.247 χ^2/NDF : 171.7/4

326.314±1.753 χ^2/NDF : 3203.5/22

317.590±1.688 χ^2/NDF : 3807.5/24

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 54.167 $\pm$ 1.836 χ^2 /NDF:263.0/5

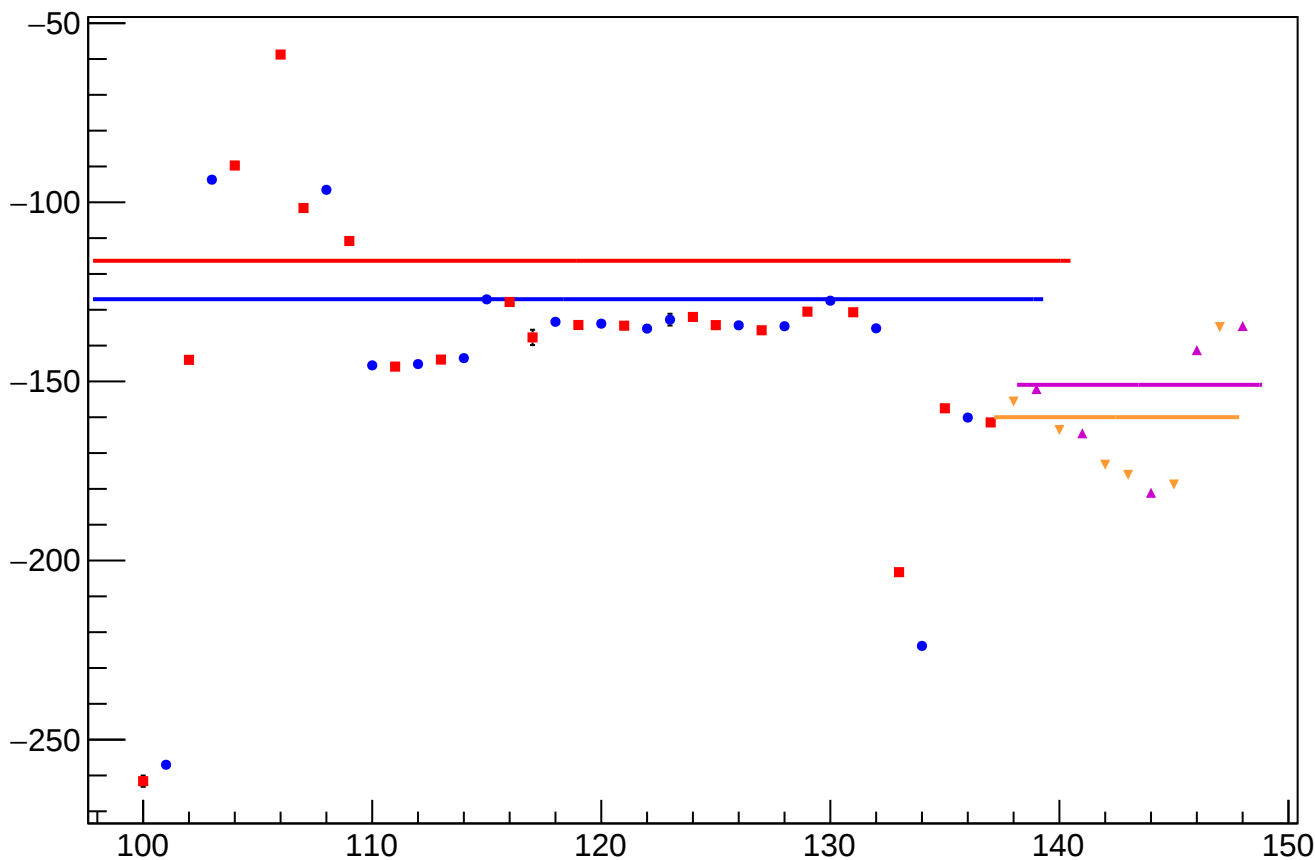
Right Out: 59.634 $\pm$ 1.629 χ^2 /NDF: 491.6/19

Left In: 44.745 $\pm$ 1.817 χ^2 /NDF:208.0/4

62.947 $\pm$ 1.272 χ^2 /NDF: 733.2/22

52.999 $\pm$ 1.213 χ^2 /NDF: 736.8/24

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -159.986+/-0.096 χ^2/NDF : 29181.9/5

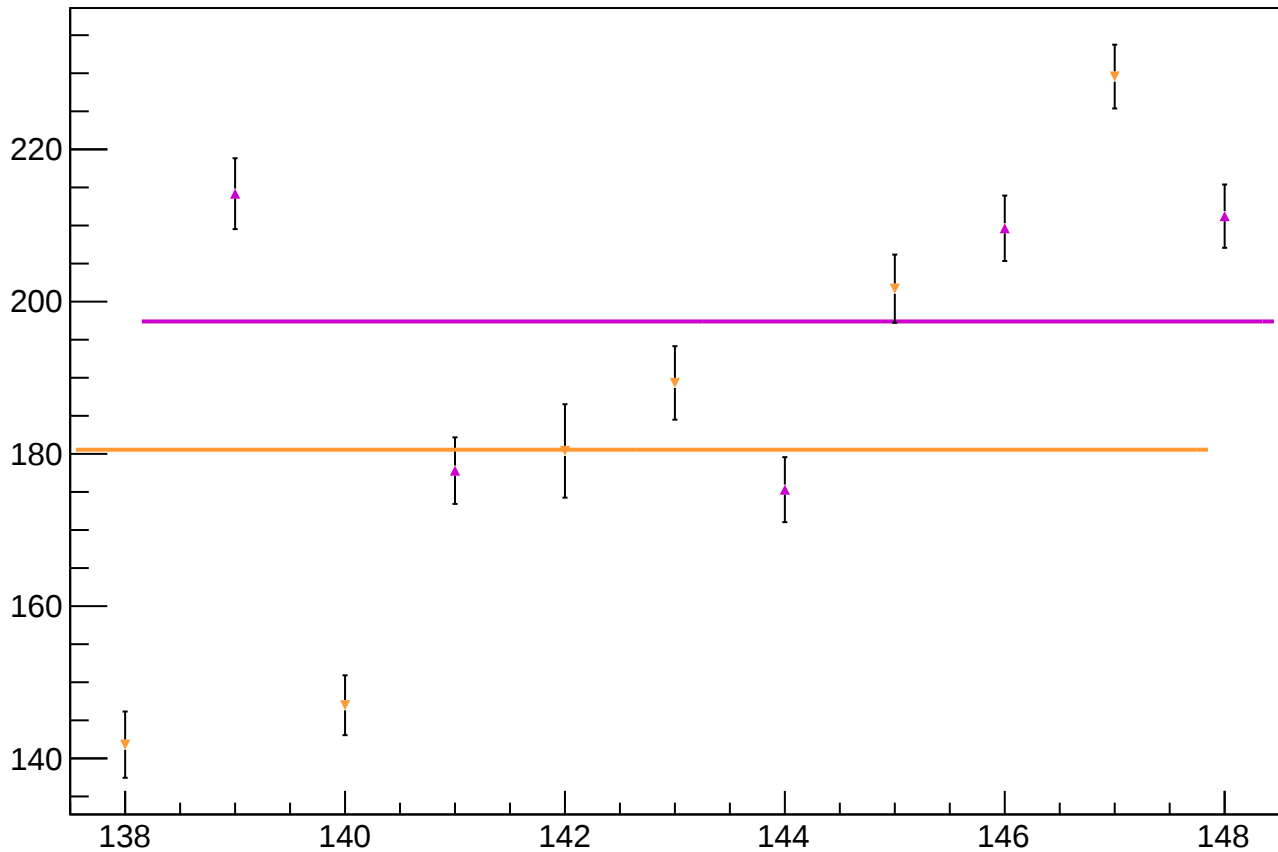
Right Out: -116.327+/-0.083 χ^2/NDF : 167208.7/19

Left In: -150.952+/-0.094 χ^2/NDF : 28212.0/4

-142.412+/-0.066 χ^2/NDF : 258977.5/22

-131.458+/-0.062 χ^2/NDF : 271612.3/24

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 180.549 $\pm$ 1.845 χ^2 /NDF: 314.7/5

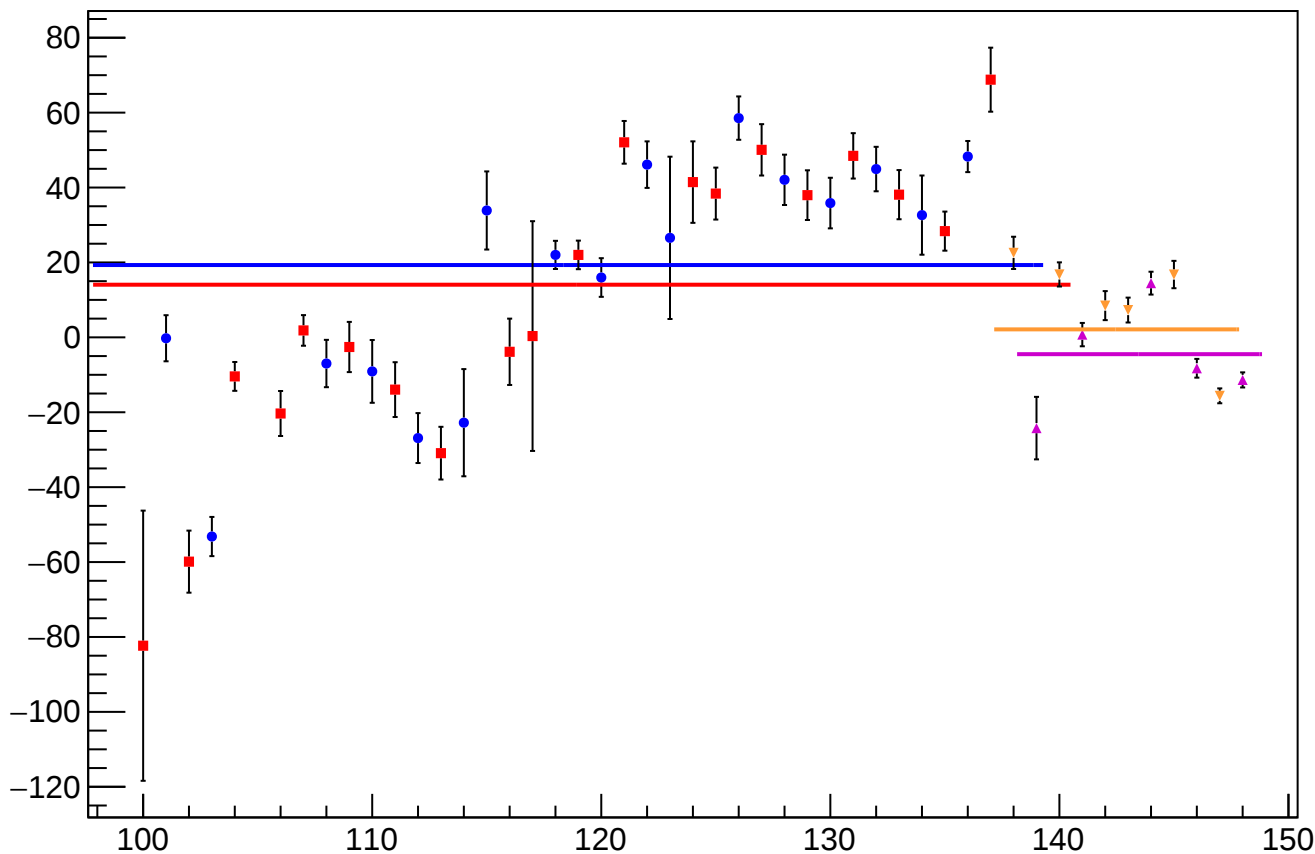
180.549 $\pm$ 1.845 χ^2 /NDF: 314.7/5

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

197.397 $\pm$ 1.942 χ^2 /NDF: 79.0/4

Left In: 197.397 $\pm$ 1.942 χ^2 /NDF: 79.0/4

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 $\pm$ 1.500 χ^2/NDF : 441.3/16

Left Out: 2.128 $\pm$ 1.254 χ^2/NDF : 144.3/5

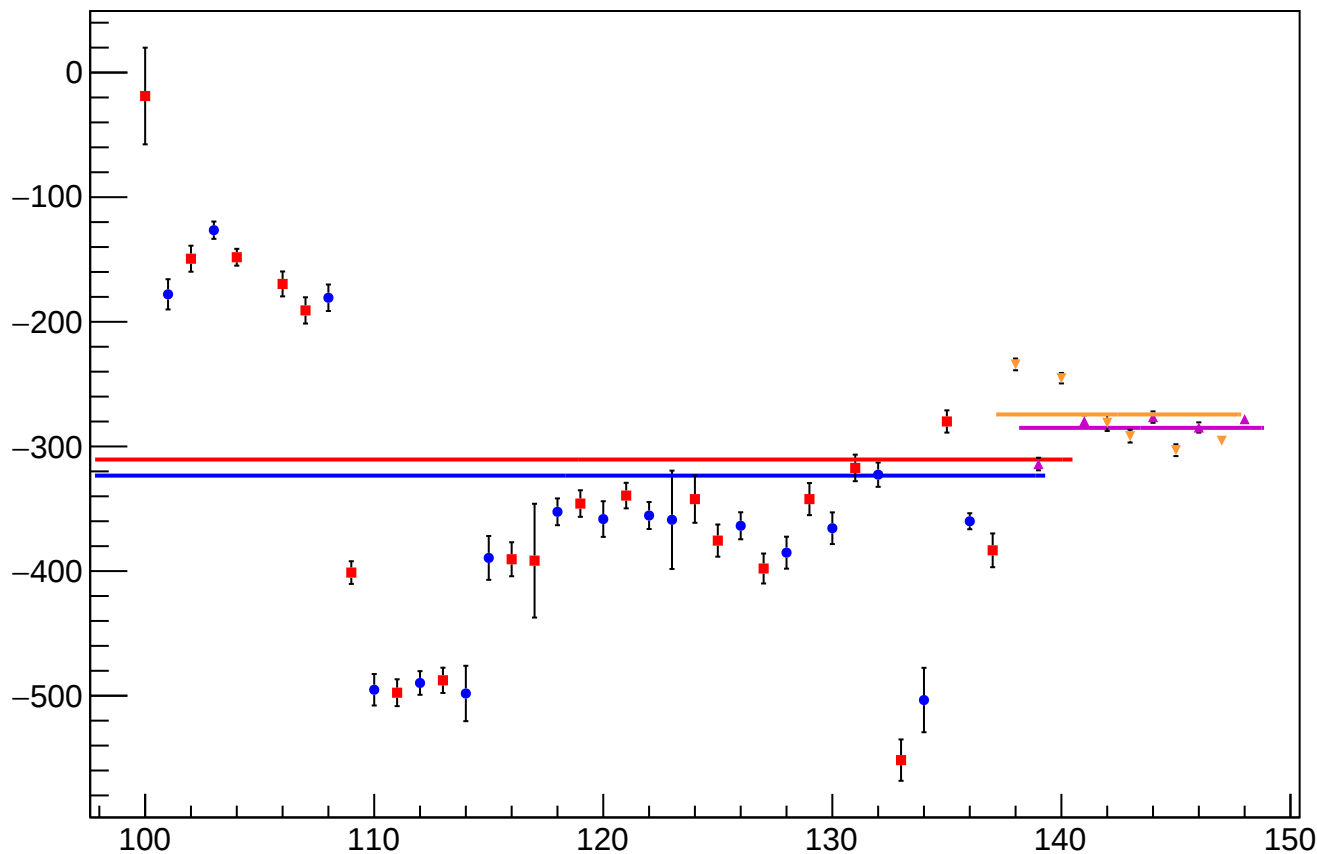
Right Out: 14.055 $\pm$ 1.388 χ^2/NDF : 437.1/19

Left In: -4.492 $\pm$ 1.260 χ^2/NDF : 60.9/4

9.192 $\pm$ 0.962 χ^2/NDF : 662.8/22

3.884 $\pm$ 0.933 χ^2/NDF : 595.9/24

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 $\pm$ 2.684 χ^2/NDF : 1849.6/16

Left Out: -274.310 $\pm$ 1.915 χ^2/NDF : 198.8/5

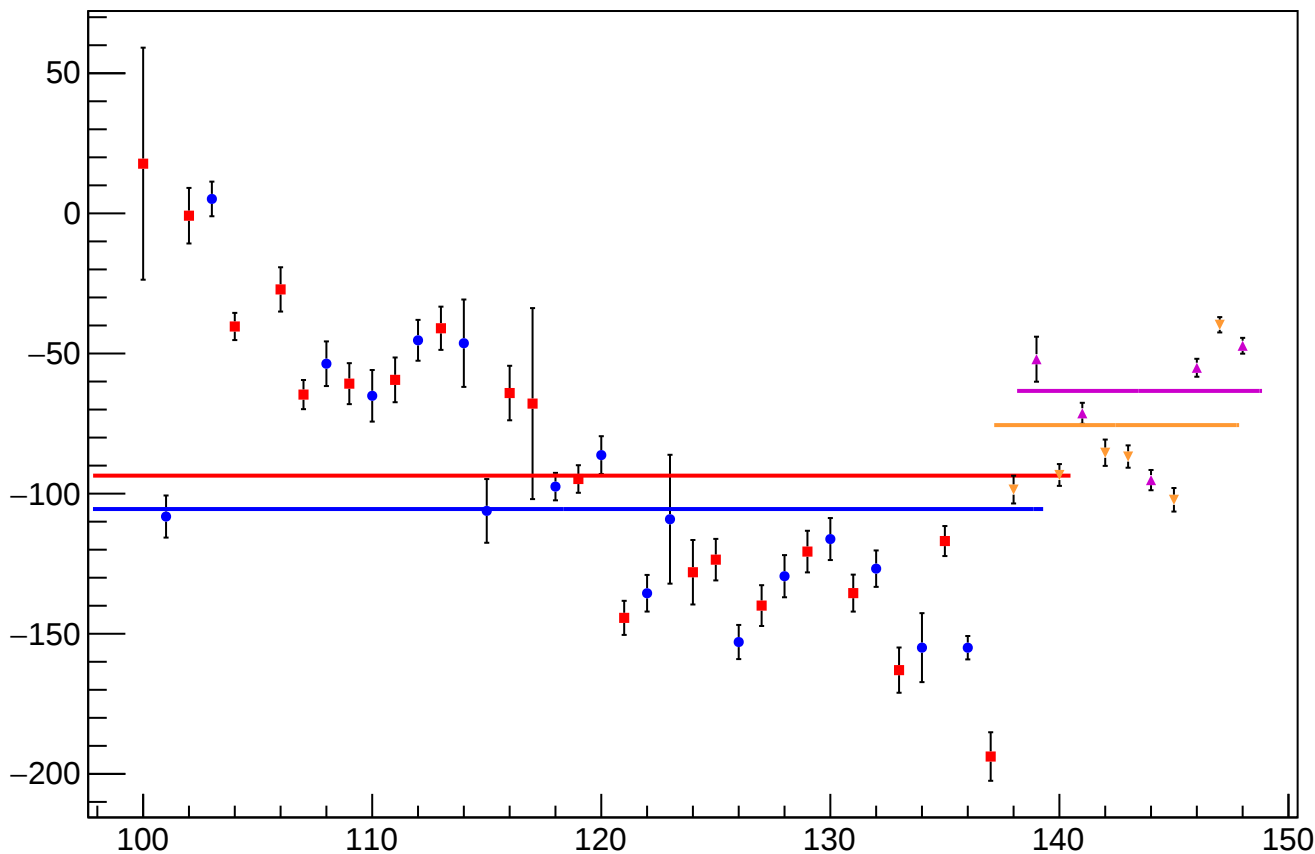
Right Out: -310.484 $\pm$ 2.520 χ^2/NDF : 2302.0/19

Left In: -285.082 $\pm$ 1.967 χ^2/NDF : 41.2/4

-290.874 $\pm$ 1.559 χ^2/NDF : 2270.0/22

-294.700 $\pm$ 1.550 χ^2/NDF : 2406.4/24

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -75.545 ± 1.571 χ^2/NDF : 266.0/5

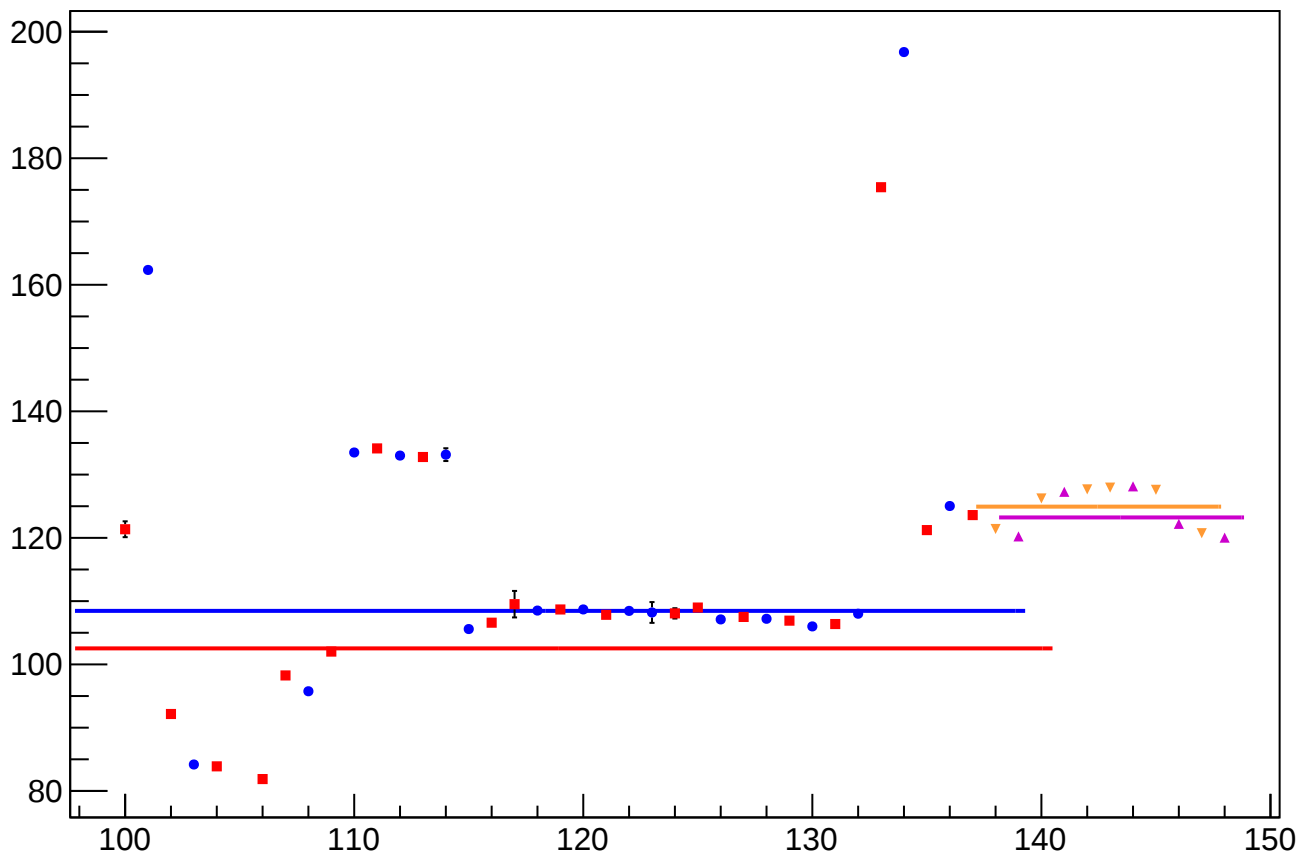
Right Out: -93.579 ± 1.608 χ^2/NDF : 827.7/19

Left In: -63.347 ± 1.609 χ^2/NDF : 123.3/4

-89.239 ± 1.158 χ^2/NDF : 1169.5/22

-78.472 ± 1.138 χ^2/NDF : 1127.5/24

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 124.936 $\pm$ 0.081 χ^2 /NDF:1445.9/5

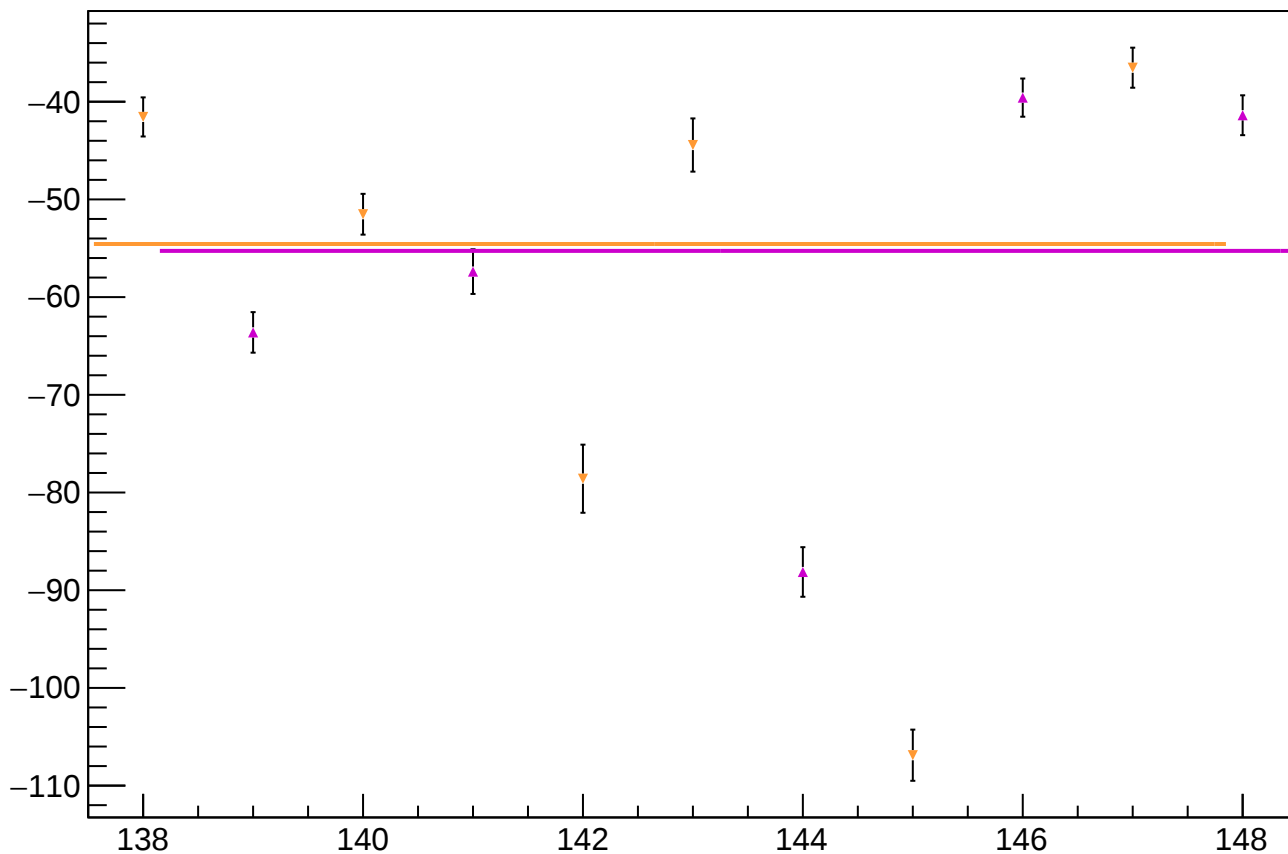
Right Out: 102.532 $\pm$ 0.079 χ^2 /NDF: 53003.2/19

Left In: 123.229 $\pm$ 0.082 χ^2 /NDF:1750.3/4

117.142 $\pm$ 0.058 χ^2 /NDF: 94547.2/22

112.564 $\pm$ 0.057 χ^2 /NDF: 87614.1/24

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -54.563+/-0.962 χ^2/NDF : 582.3/5

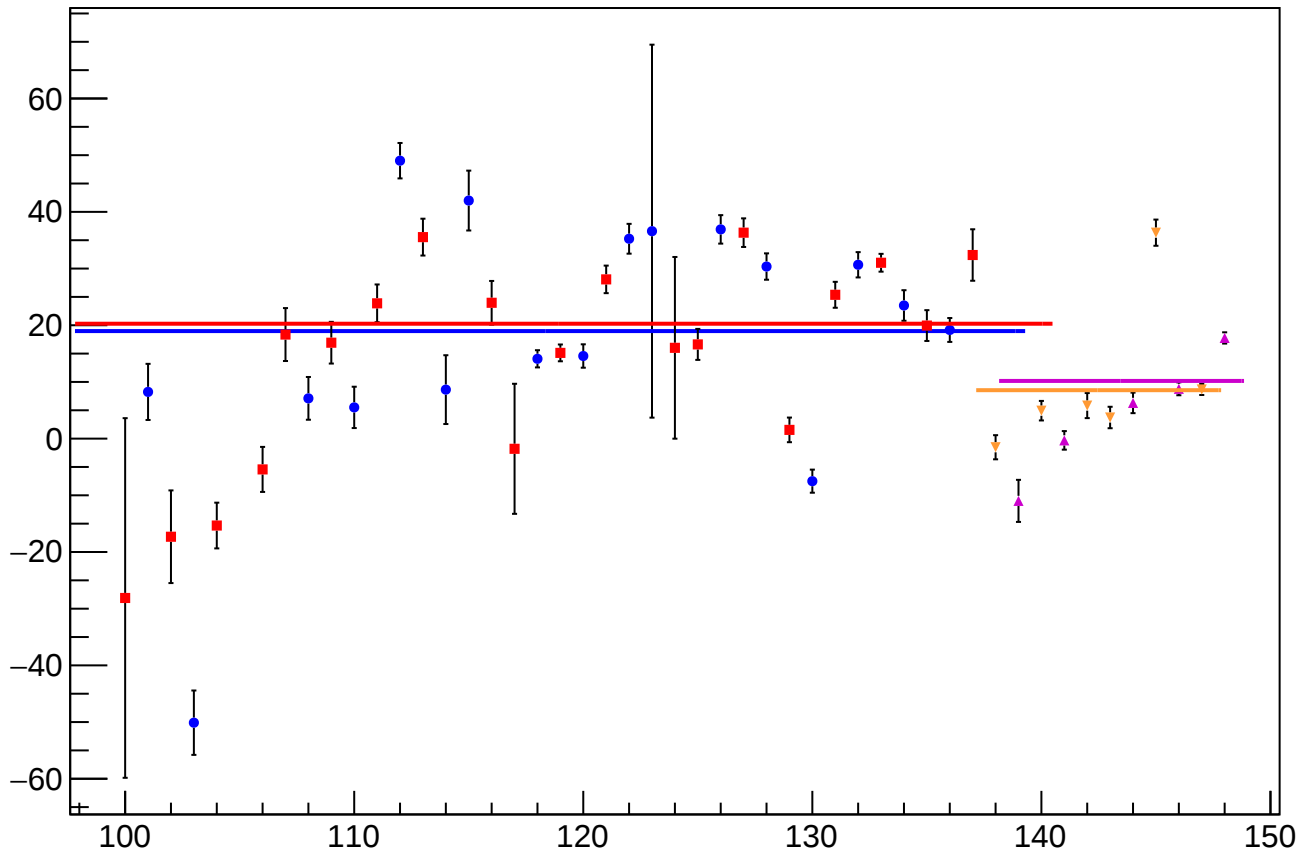
-54.563+/-0.962 χ^2/NDF : 582.3/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-55.269+/-0.962 χ^2/NDF : 295.4/4

Left In: -55.269+/-0.962 χ^2/NDF : 295.4/4

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 $\pm$ 0.653 χ^2 /NDF: 618.4/16

Left Out: 8.545 $\pm$ 0.662 χ^2 /NDF: 179.4/5

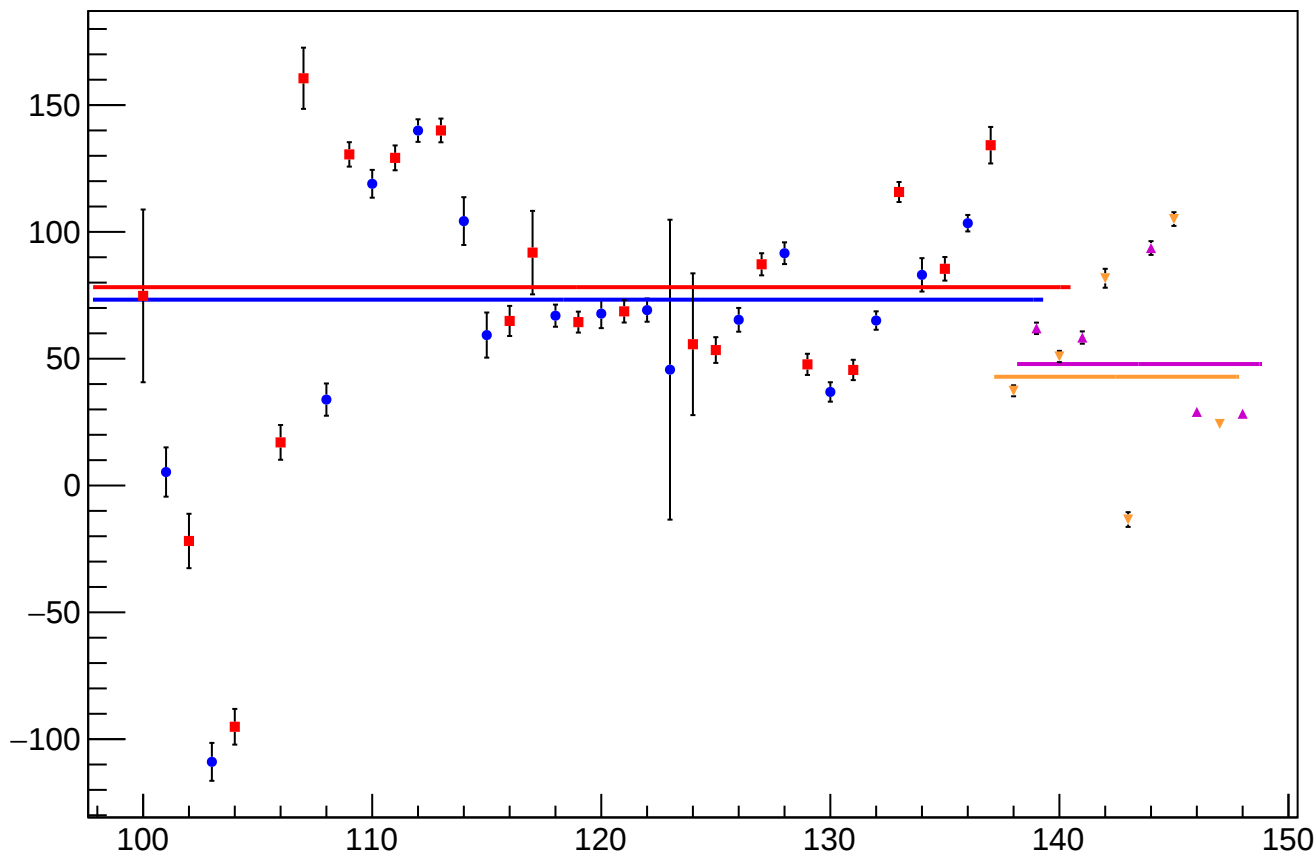
Right Out: 20.269 $\pm$ 0.641 χ^2 /NDF: 370.1/19

Left In: 10.177 $\pm$ 0.628 χ^2 /NDF: 138.0/4

13.829 $\pm$ 0.465 χ^2 /NDF: 923.5/22

15.117 $\pm$ 0.449 χ^2 /NDF: 634.5/24

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 42.886 $\pm$ 0.993 χ^2 /NDF:1125.9/5

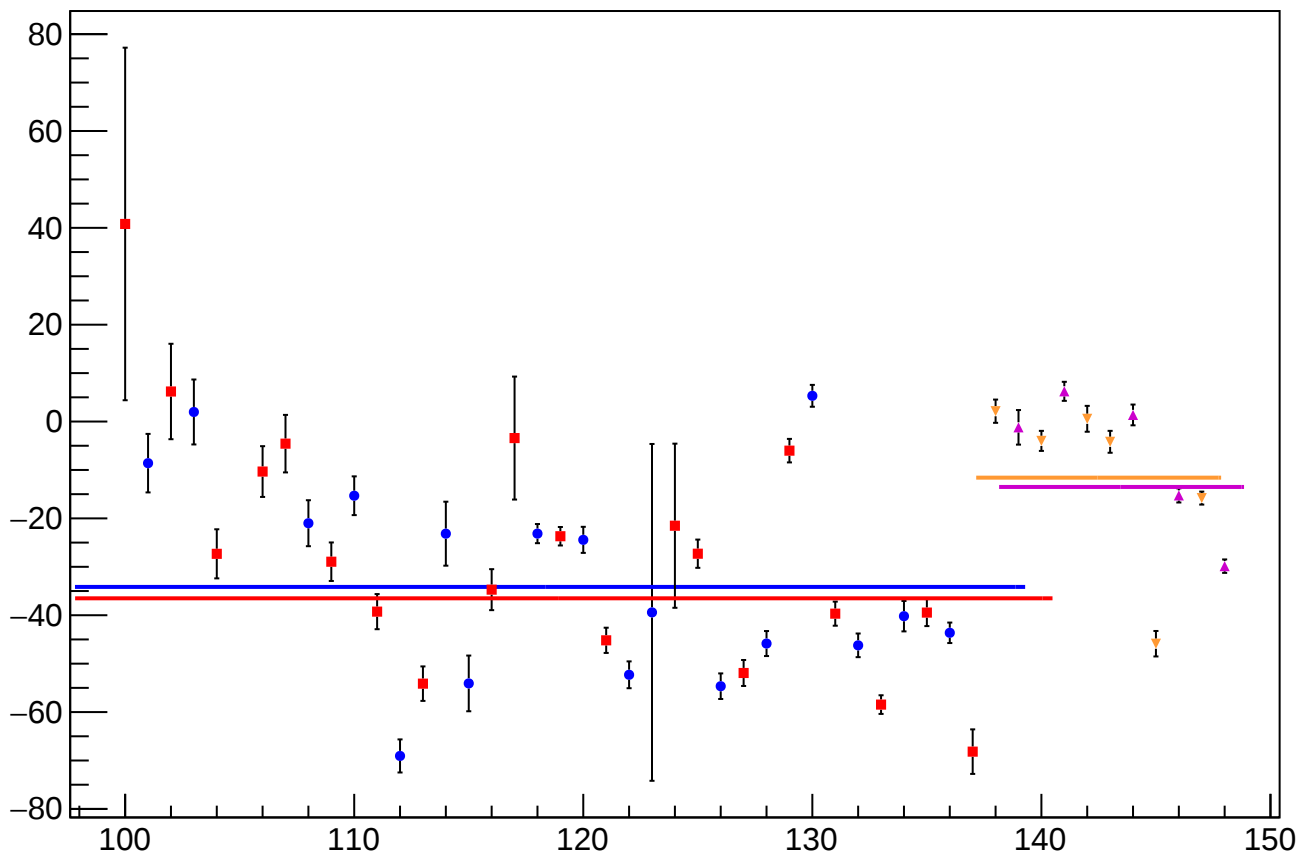
Right Out: 78.205 $\pm$ 1.219 χ^2 /NDF: 1544.0/19

Left In: 47.900 $\pm$ 0.970 χ^2 /NDF:548.5/4

54.801 $\pm$ 0.774 χ^2 /NDF: 2691.8/22

59.653 $\pm$ 0.759 χ^2 /NDF: 2470.8/24

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 $\chi^2/\text{NDF}: 717.5/16$

Left Out: -11.588 ± 0.832 $\chi^2/\text{NDF}: 257.3/5$

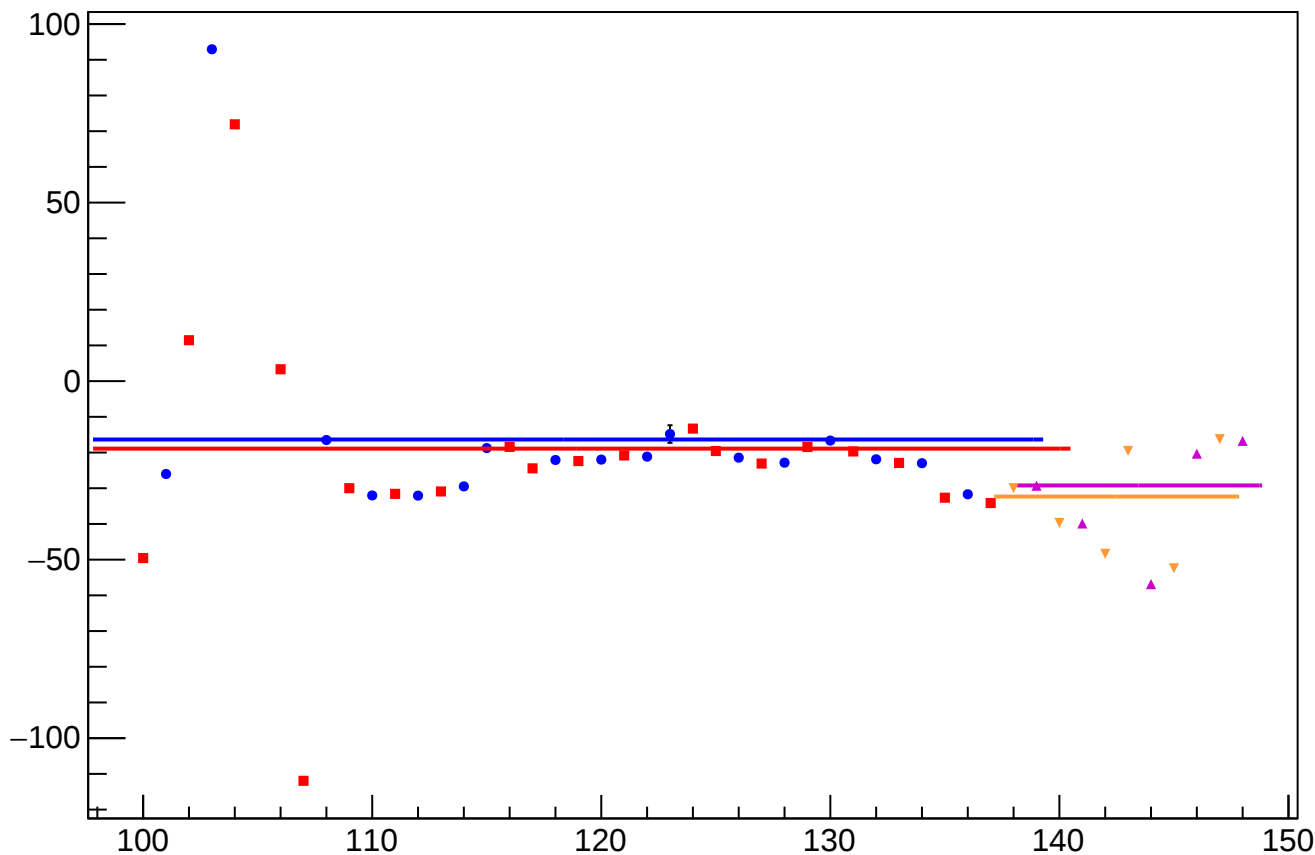
Right Out: -36.507 ± 0.735 $\chi^2/\text{NDF}: 553.8/19$

Left In: -13.509 ± 0.805 $\chi^2/\text{NDF}: 301.2/4$

-24.120 ± 0.555 $\chi^2/\text{NDF}: 1382.9/22$

-26.058 ± 0.543 $\chi^2/\text{NDF}: 1300.4/24$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 χ^2/NDF : 474192.3/16

Left Out: -32.330 ± 0.042 χ^2/NDF : 97189.6/5

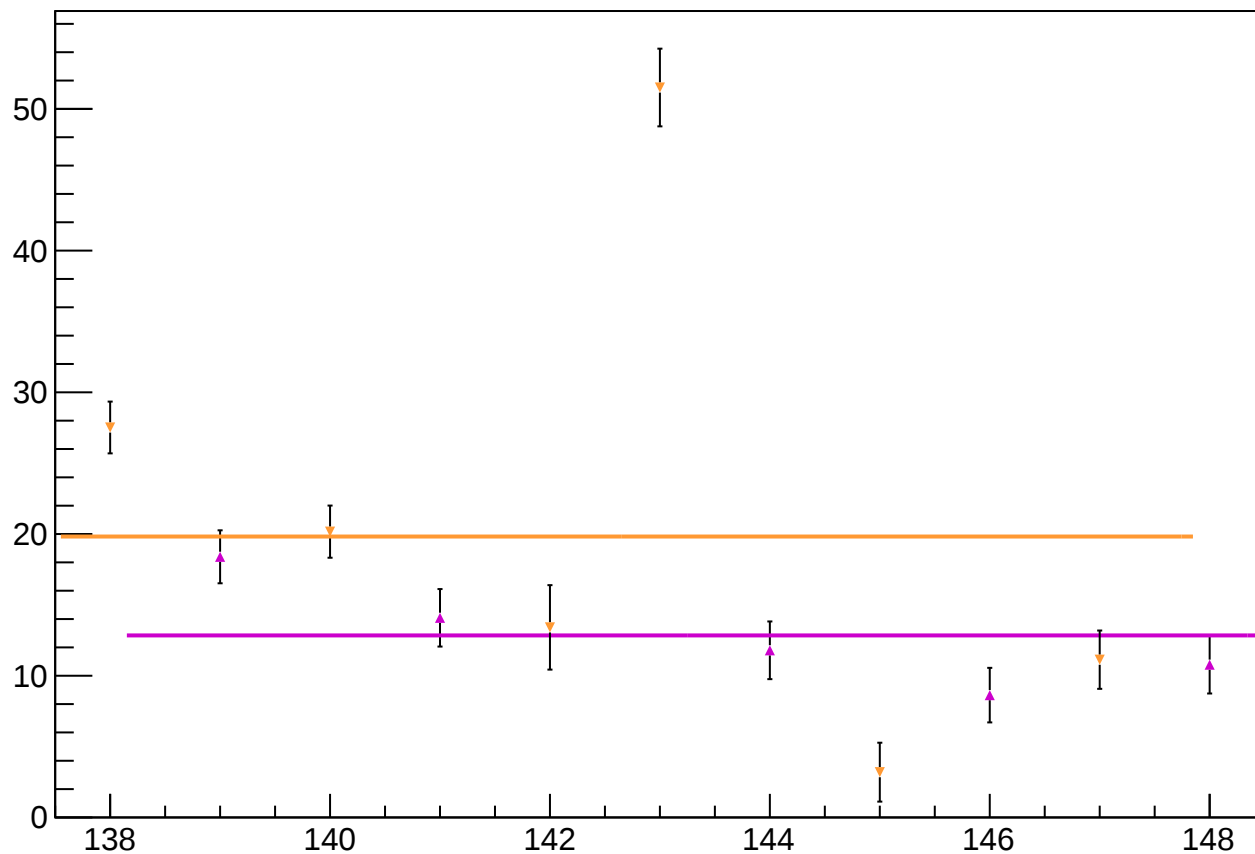
Right Out: -18.906 ± 0.045 χ^2/NDF : 433847.1/19

Left In: -29.220 ± 0.040 χ^2/NDF : 99638.8/4

-24.888 ± 0.030 χ^2/NDF : 639850.3/22

-24.671 ± 0.030 χ^2/NDF : 562570.1/24

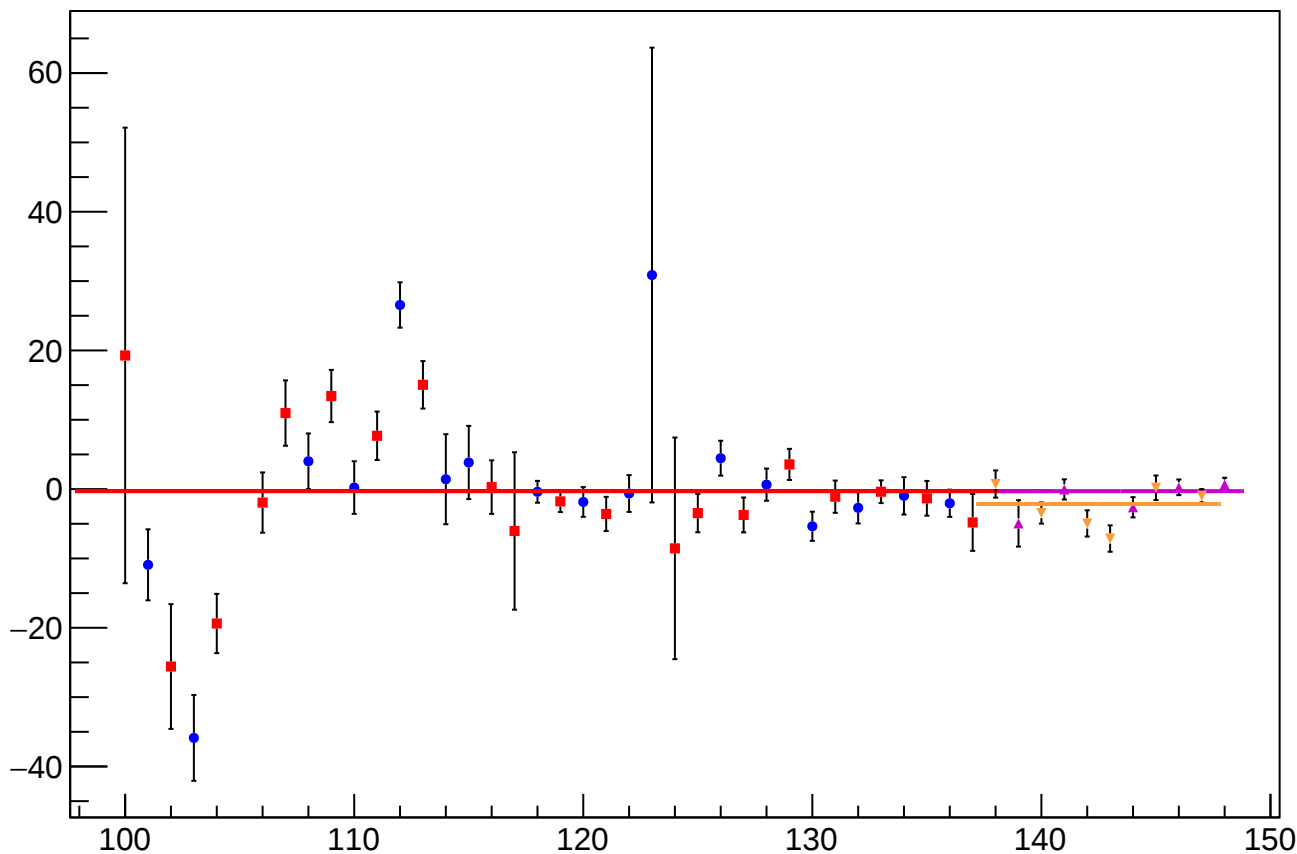
reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 19.824+/-0.874 χ^2/NDF : 237.8/5
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 12.845+/-0.883 χ^2/NDF : 15.3/4

19.824+/-0.874 χ^2/NDF : 237.8/5
12.845+/-0.883 χ^2/NDF : 15.3/4

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -2.143 ± 0.619 χ^2/NDF : 15.2/5

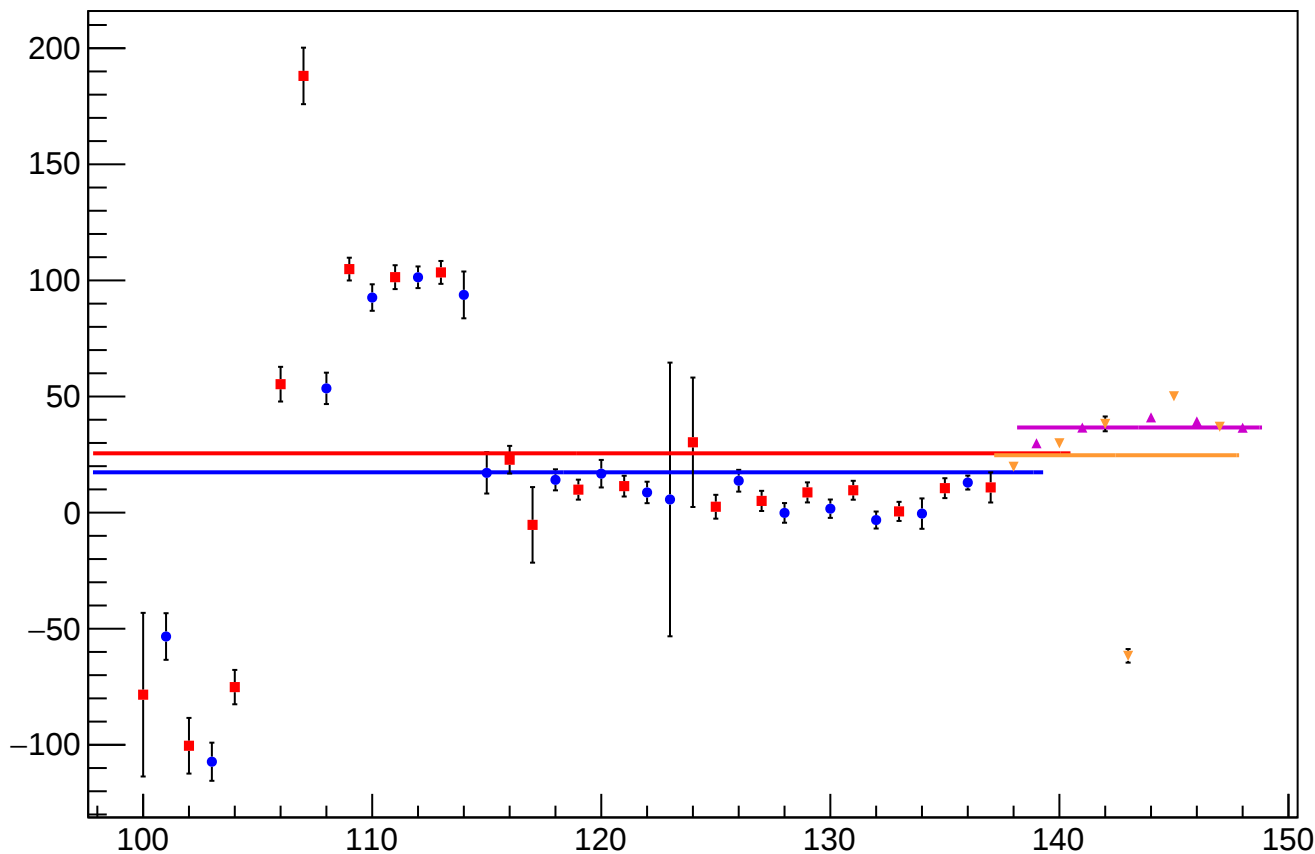
Right Out: -0.289 ± 0.655 χ^2/NDF : 83.4/19

Left In: -0.291 ± 0.594 χ^2/NDF : 5.6/4

-1.275 ± 0.452 χ^2/NDF : 138.9/22

-0.290 ± 0.440 χ^2/NDF : 89.1/24

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 24.711+/-0.908 χ^2/NDF :1079.3/5

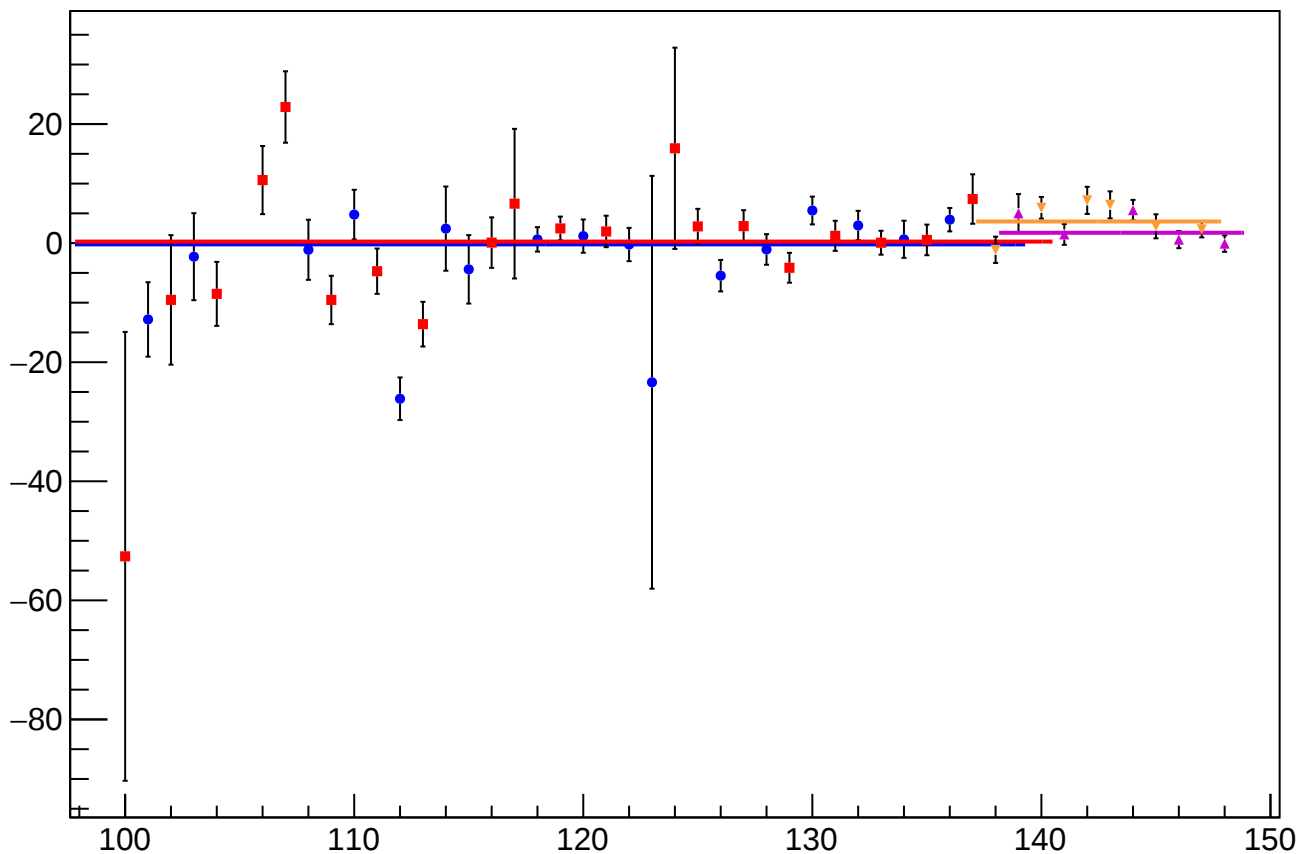
Right Out: 25.537+/-1.239 χ^2/NDF : 1382.4/19

Left In: 36.664+/-0.898 χ^2/NDF :17.3/4

22.163+/-0.734 χ^2/NDF : 2045.0/22

32.832+/-0.727 χ^2/NDF : 1452.6/24

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 $\chi^2/\text{NDF}: 75.9/16$

Left Out: 3.636 ± 0.770 $\chi^2/\text{NDF}: 11.3/5$

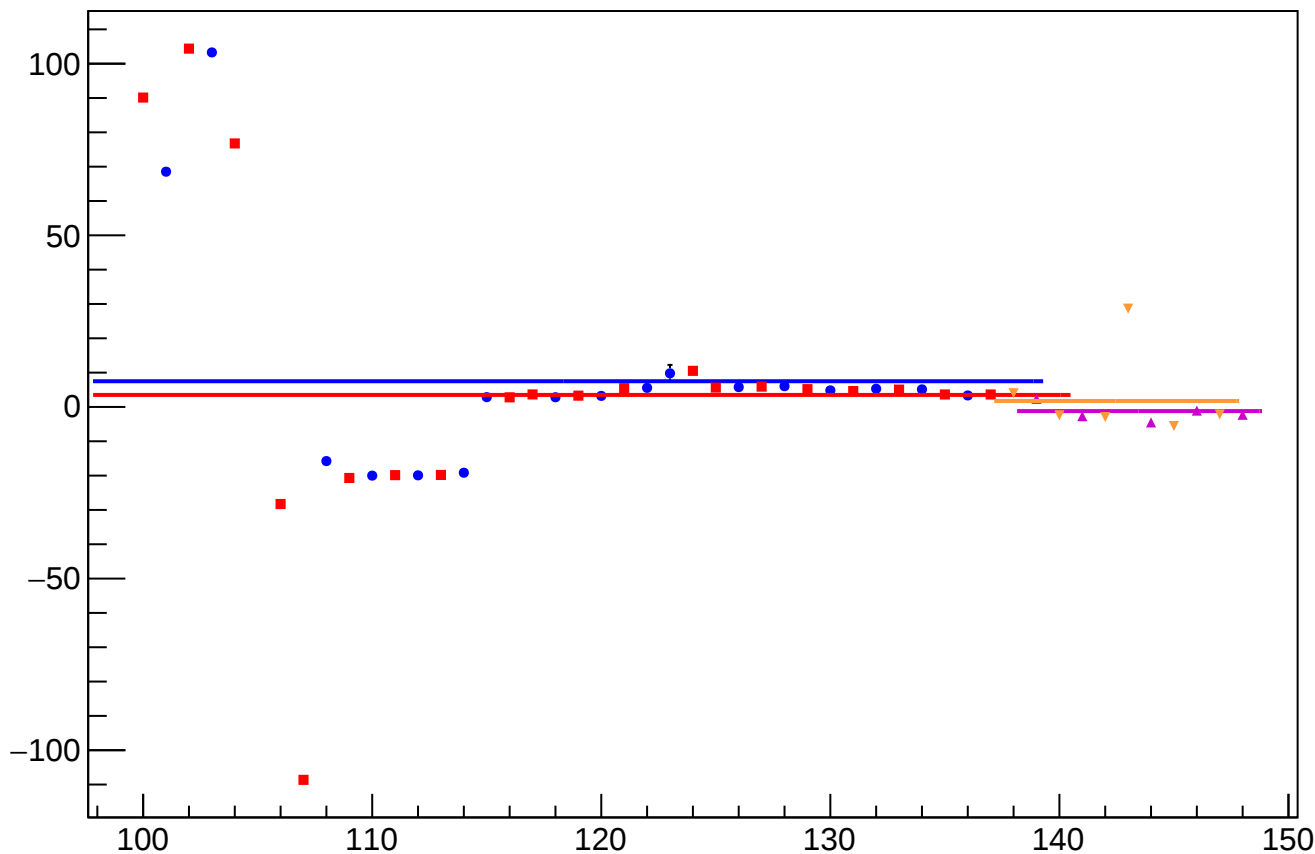
Right Out: 0.262 ± 0.747 $\chi^2/\text{NDF}: 54.8/19$

Left In: 1.742 ± 0.753 $\chi^2/\text{NDF}: 8.3/4$

1.667 ± 0.538 $\chi^2/\text{NDF}: 99.9/22$

0.996 ± 0.530 $\chi^2/\text{NDF}: 65.0/24$

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 ± 0.045 χ^2/NDF : 355979.0/16

Left Out: -1.743 ± 0.038 χ^2/NDF : 66505.7/5

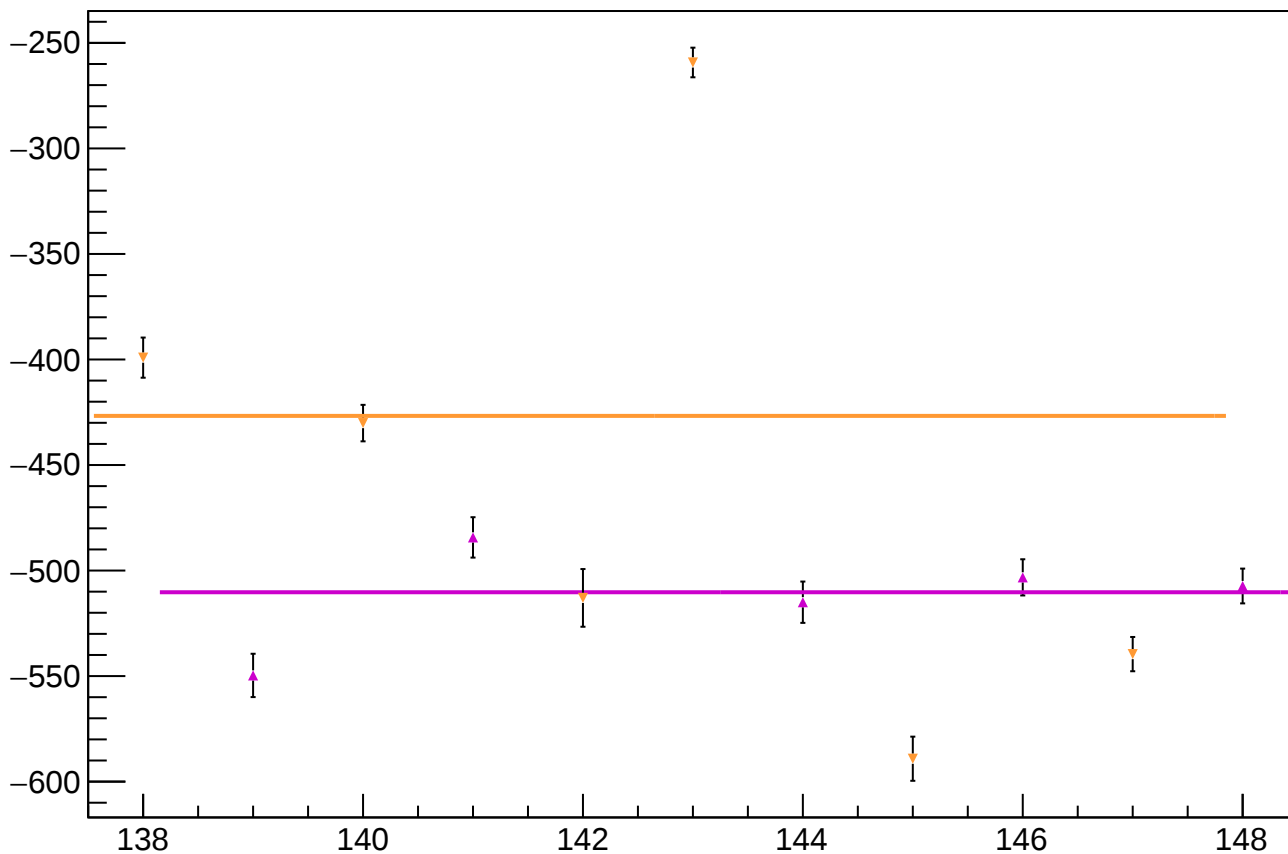
Right Out: 3.504 ± 0.046 χ^2/NDF : 510579.5/19

Left In: -1.204 ± 0.037 χ^2/NDF : 4185.8/4

4.143 ± 0.029 χ^2/NDF : 432148.3/22

0.670 ± 0.029 χ^2/NDF : 521200.2/24

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -426.720+/-3.666 χ^2/NDF : 1052.0/5

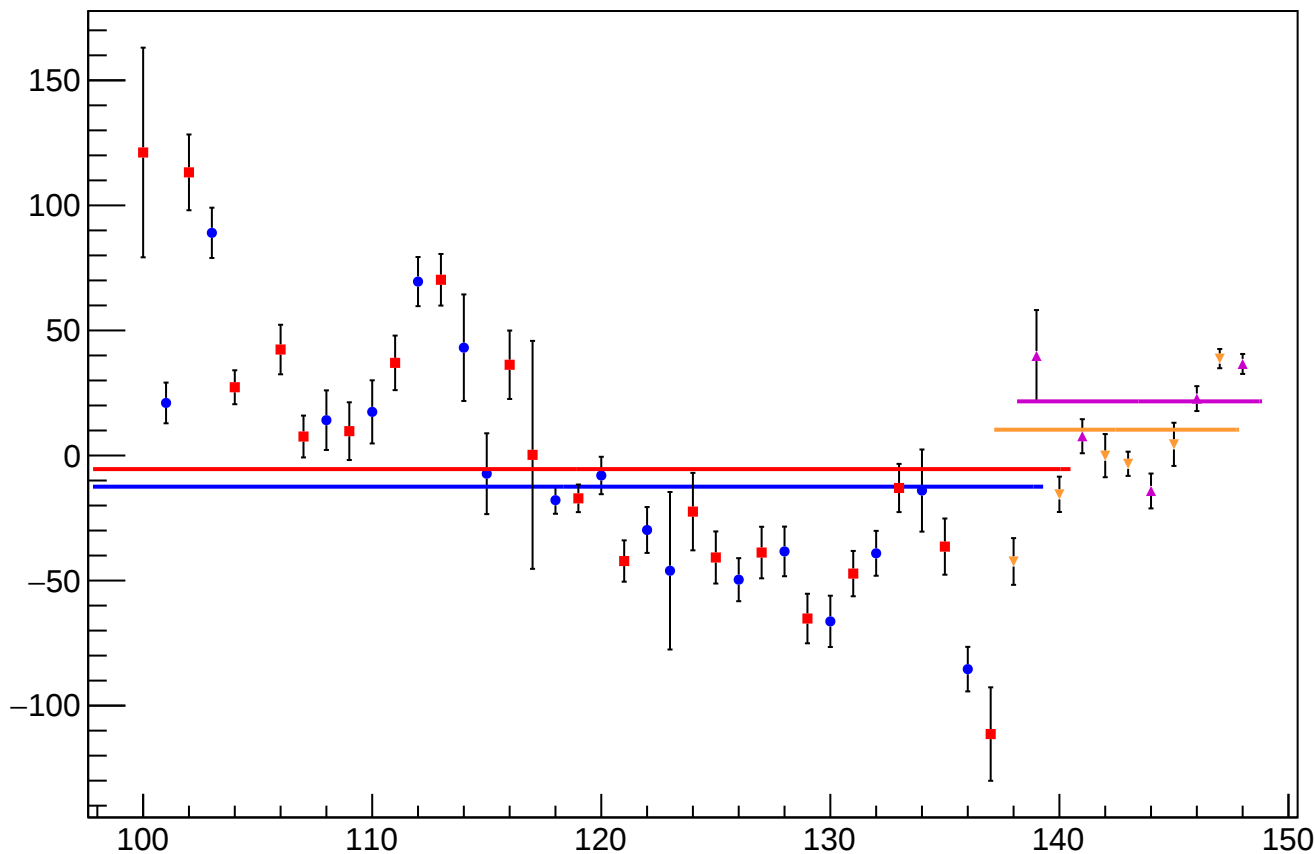
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -510.282+/-4.111 χ^2/NDF : 23.2/4

-426.720+/-3.666 χ^2/NDF : 1052.0/5

-510.282+/-4.111 χ^2/NDF : 23.2/4

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 $\pm$ 2.349 χ^2 /NDF: 341.1/16

Left Out: 10.324 $\pm$ 2.435 χ^2 /NDF:109.7/5

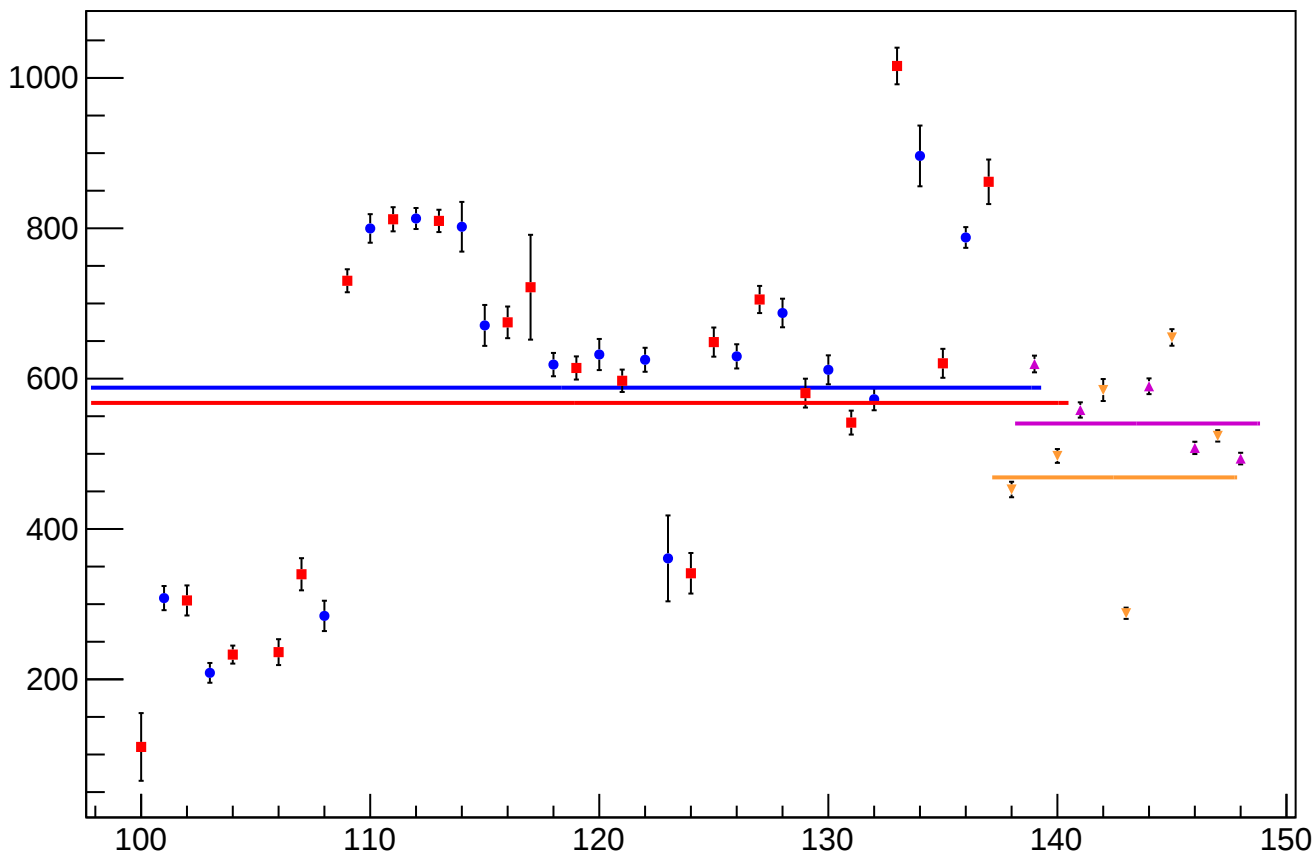
Right Out: -5.439 $\pm$ 2.256 χ^2 /NDF: 345.0/19

Left In: 21.647 $\pm$ 2.597 χ^2 /NDF:45.7/4

-1.480 $\pm$ 1.691 χ^2 /NDF: 496.1/22

6.209 $\pm$ 1.703 χ^2 /NDF: 452.7/24

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 $\pm$ 4.353 χ^2/NDF : 2129.6/16

Left Out: 468.635 $\pm$ 3.797 χ^2/NDF : 995.8/5

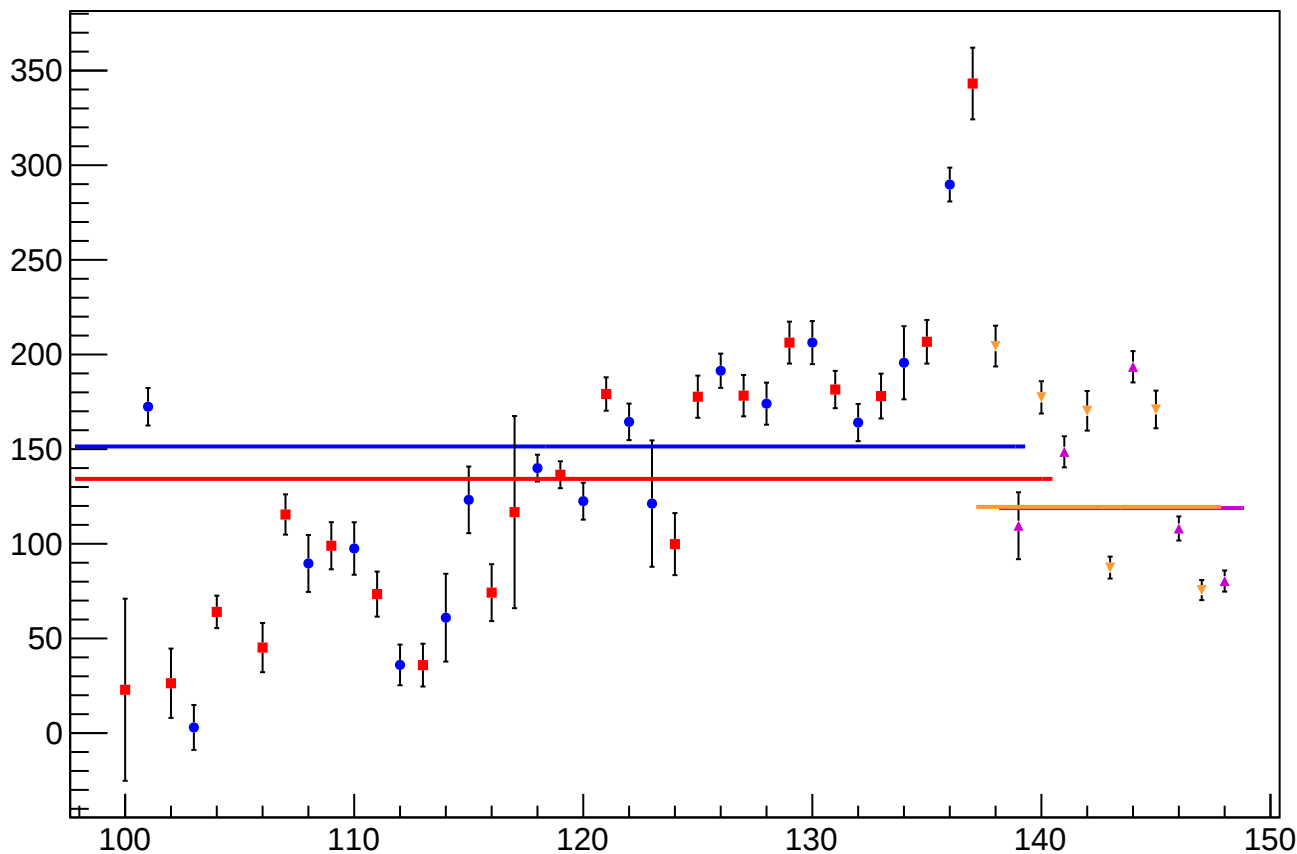
Right Out: 567.720 $\pm$ 4.129 χ^2/NDF : 2788.1/19

Left In: 540.322 $\pm$ 4.133 χ^2/NDF : 128.4/4

520.221 $\pm$ 2.862 χ^2/NDF : 3552.4/22

554.036 $\pm$ 2.921 χ^2/NDF : 2938.4/24

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 119.501 $\pm$ 3.060 χ^2 /NDF: 257.7/5

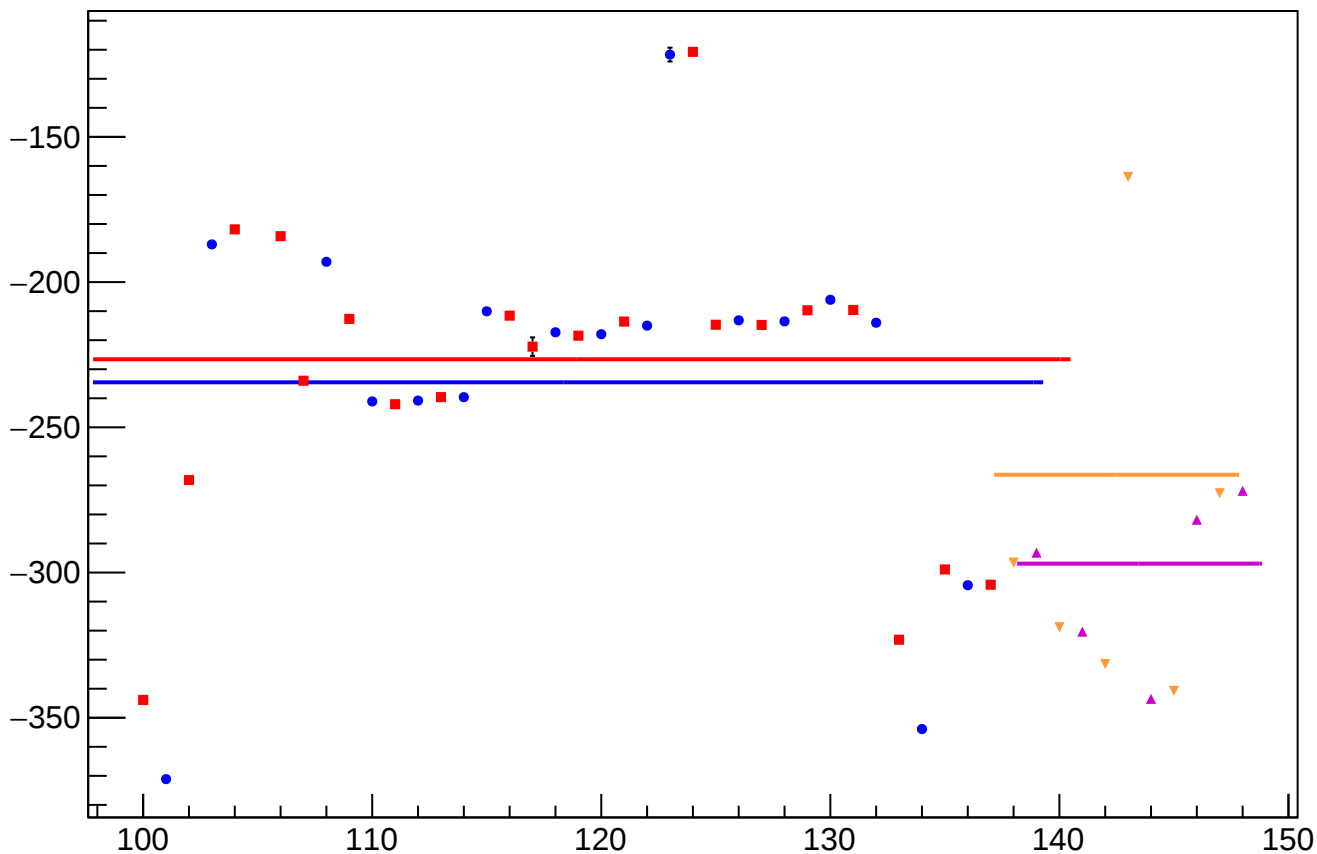
Right Out: 134.299 $\pm$ 2.612 χ^2 /NDF: 585.0/19

Left In: 118.882 $\pm$ 3.345 χ^2 /NDF: 145.4/4

137.395 $\pm$ 2.028 χ^2 /NDF: 952.0/22

128.459 $\pm$ 2.059 χ^2 /NDF: 743.6/24

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -266.322+/-0.160 χ^2/NDF :180660.7/5

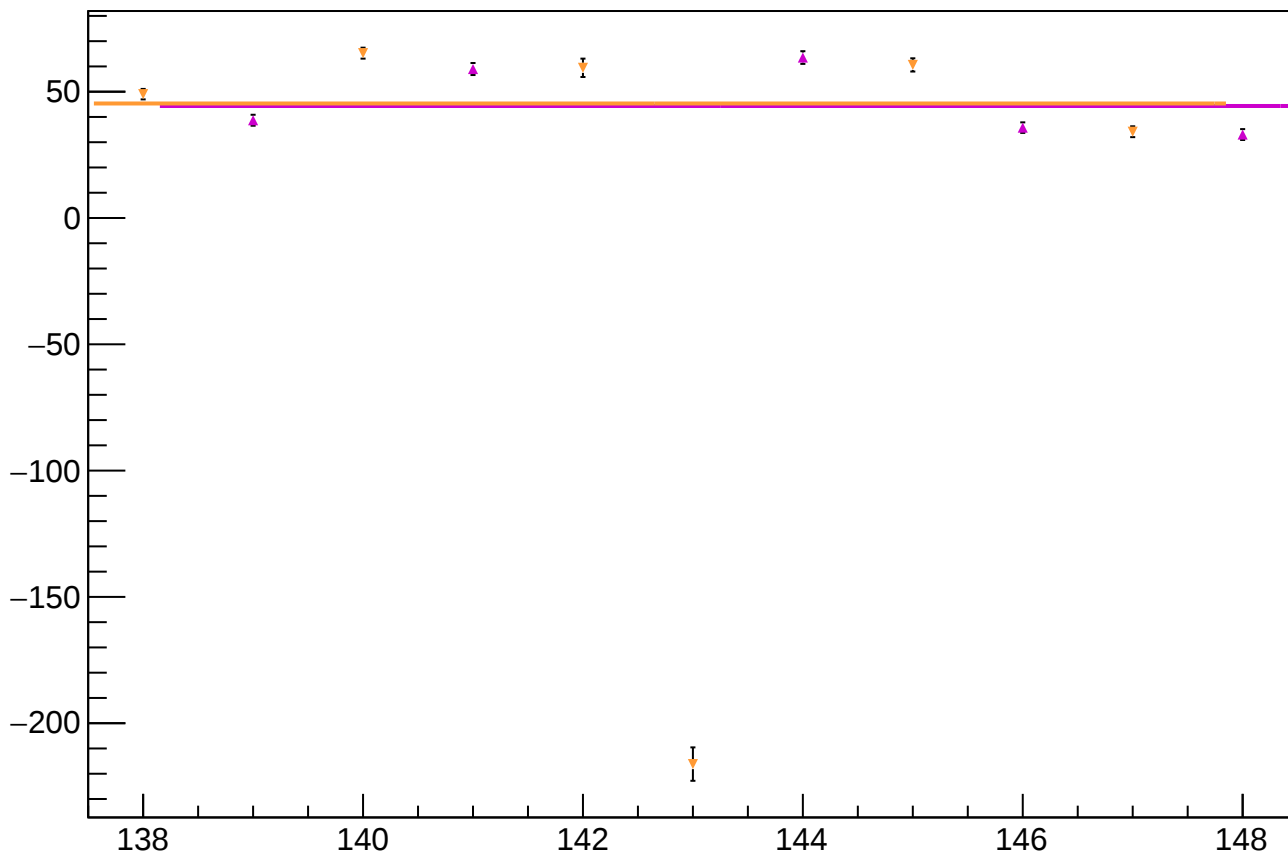
Right Out: -226.572+/-0.141 χ^2/NDF : 98970.7/19

Left In: -296.938+/-0.173 χ^2/NDF :20992.8/4

-249.308+/-0.109 χ^2/NDF : 346922.4/22

-254.684+/-0.109 χ^2/NDF : 219080.1/24

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 45.329+/-1.050 χ^2/NDF :1727.6/5

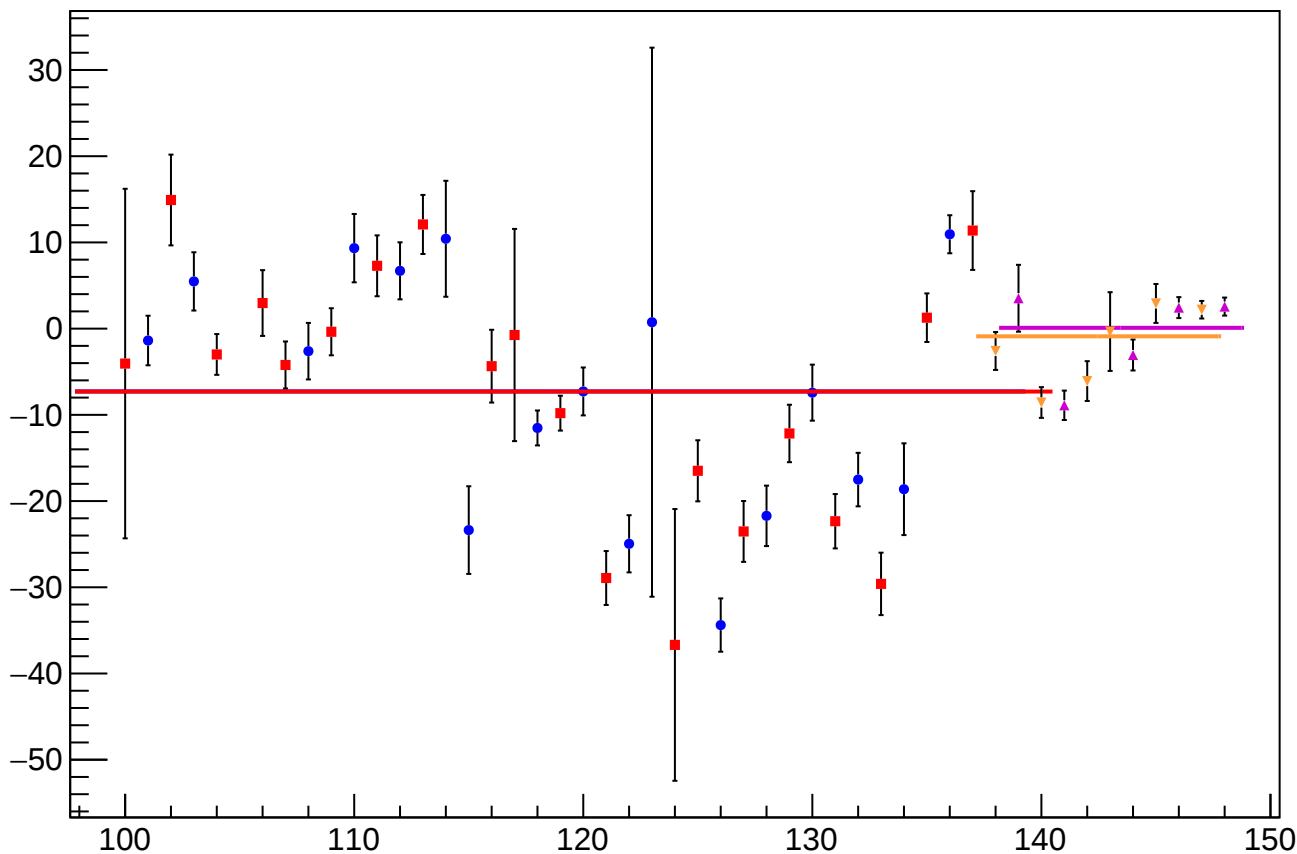
45.329+/-1.050 χ^2/NDF : 1727.6/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 44.341+/-1.003 χ^2/NDF :147.3/4

44.341+/-1.003 χ^2/NDF : 147.3/4

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -0.892 ± 0.723 χ^2/NDF : 36.2/5

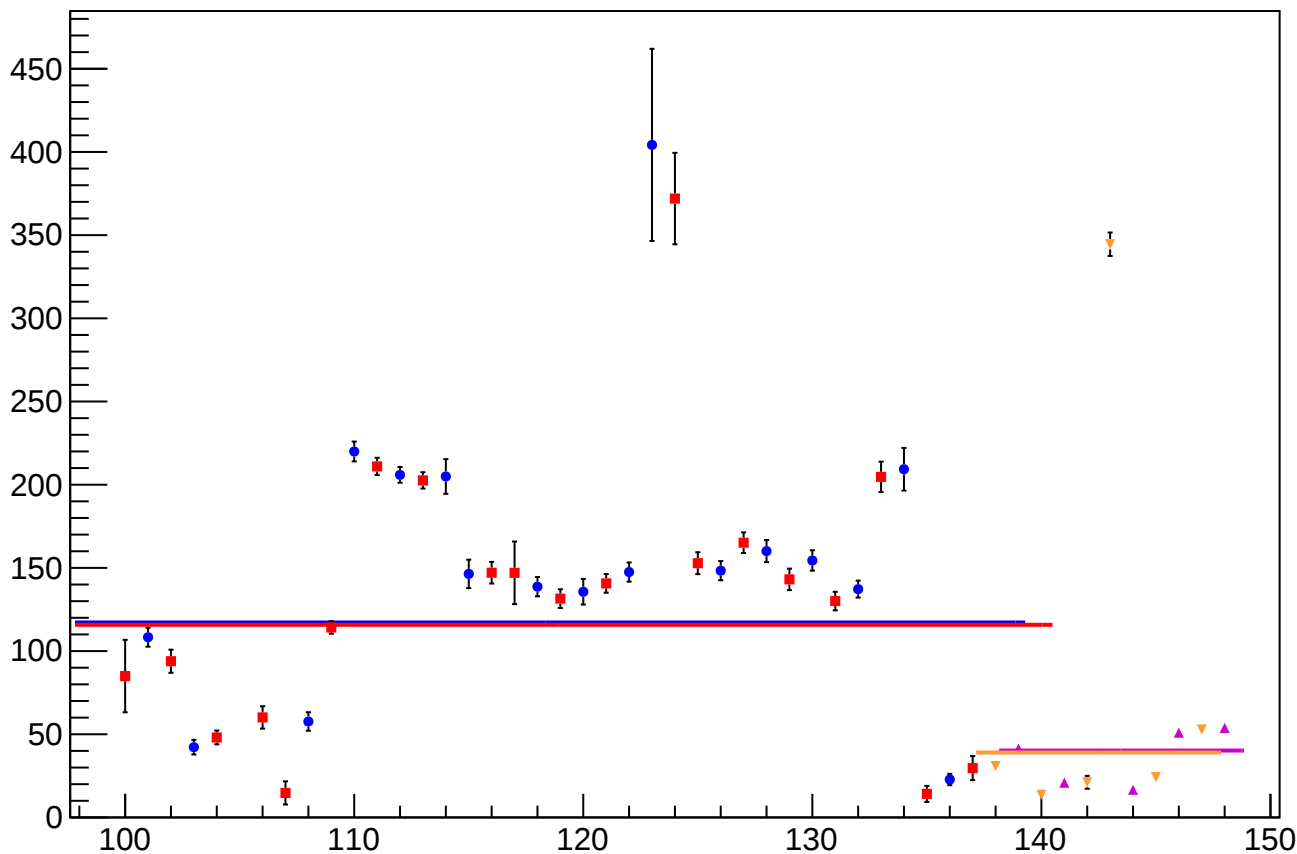
Right Out: -7.298 ± 0.759 χ^2/NDF : 255.6/19

Left In: 0.095 ± 0.658 χ^2/NDF : 40.9/4

-3.809 ± 0.533 χ^2/NDF : 355.1/22

-3.074 ± 0.497 χ^2/NDF : 350.7/24

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 ± 1.416 $\chi^2/\text{NDF}: 2161.0/16$

Left Out: 39.040 ± 1.081 $\chi^2/\text{NDF}: 2106.0/5$

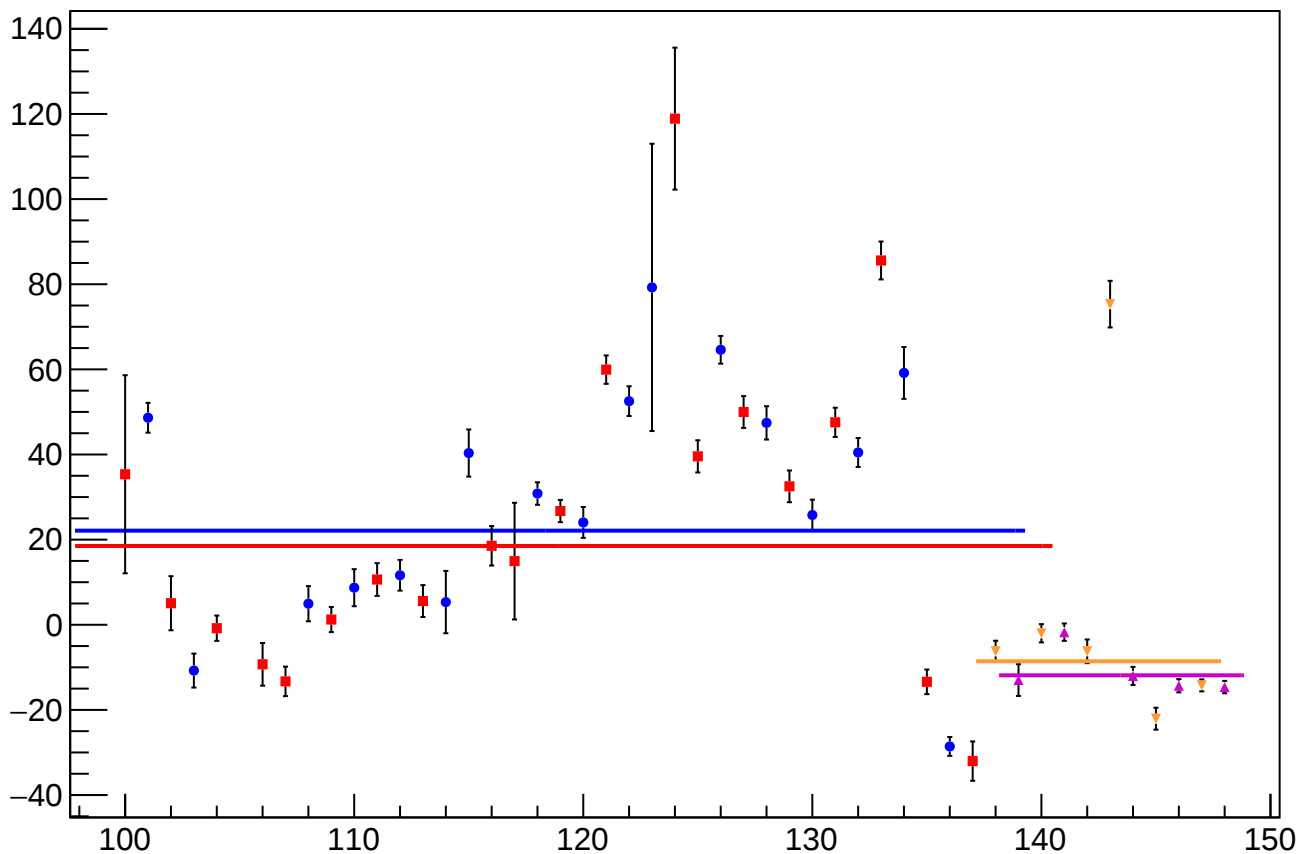
Right Out: 115.795 ± 1.357 $\chi^2/\text{NDF}: 2140.4/19$

Left In: 40.212 ± 1.014 $\chi^2/\text{NDF}: 210.1/4$

67.815 ± 0.859 $\chi^2/\text{NDF}: 6190.3/22$

67.266 ± 0.812 $\chi^2/\text{NDF}: 4341.0/24$

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -8.574 $\pm$ 0.913 χ^2 /NDF: 289.5/5

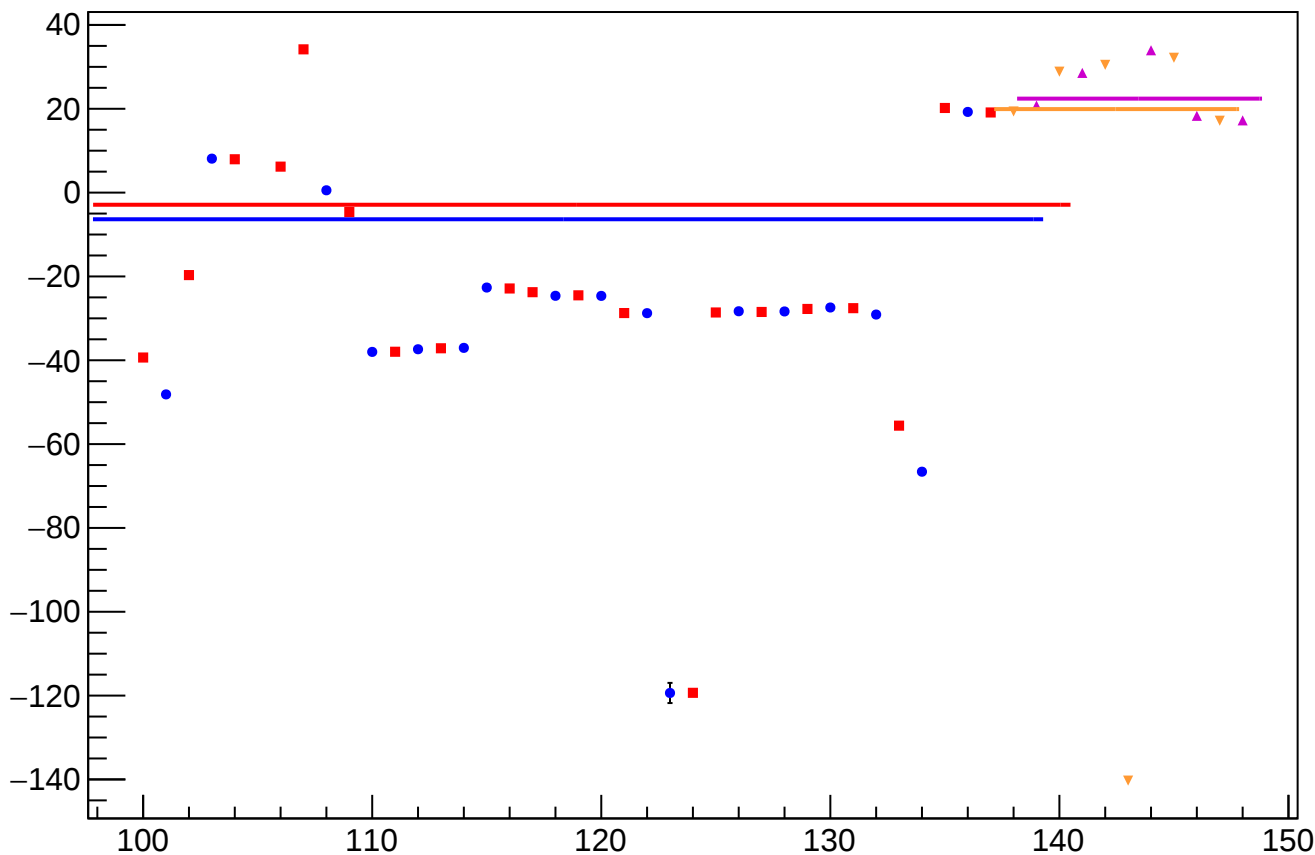
Right Out: 18.506 $\pm$ 0.869 χ^2 /NDF: 1068.6/19

Left In: -11.869 $\pm$ 0.842 χ^2 /NDF: 30.7/4

7.015 $\pm$ 0.640 χ^2 /NDF: 1934.0/22

2.825 $\pm$ 0.605 χ^2 /NDF: 1729.5/24

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360+/-0.046 χ^2/NDF : 264750.9/16

Left Out: 19.925+/-0.046 χ^2/NDF : 346618.6/5

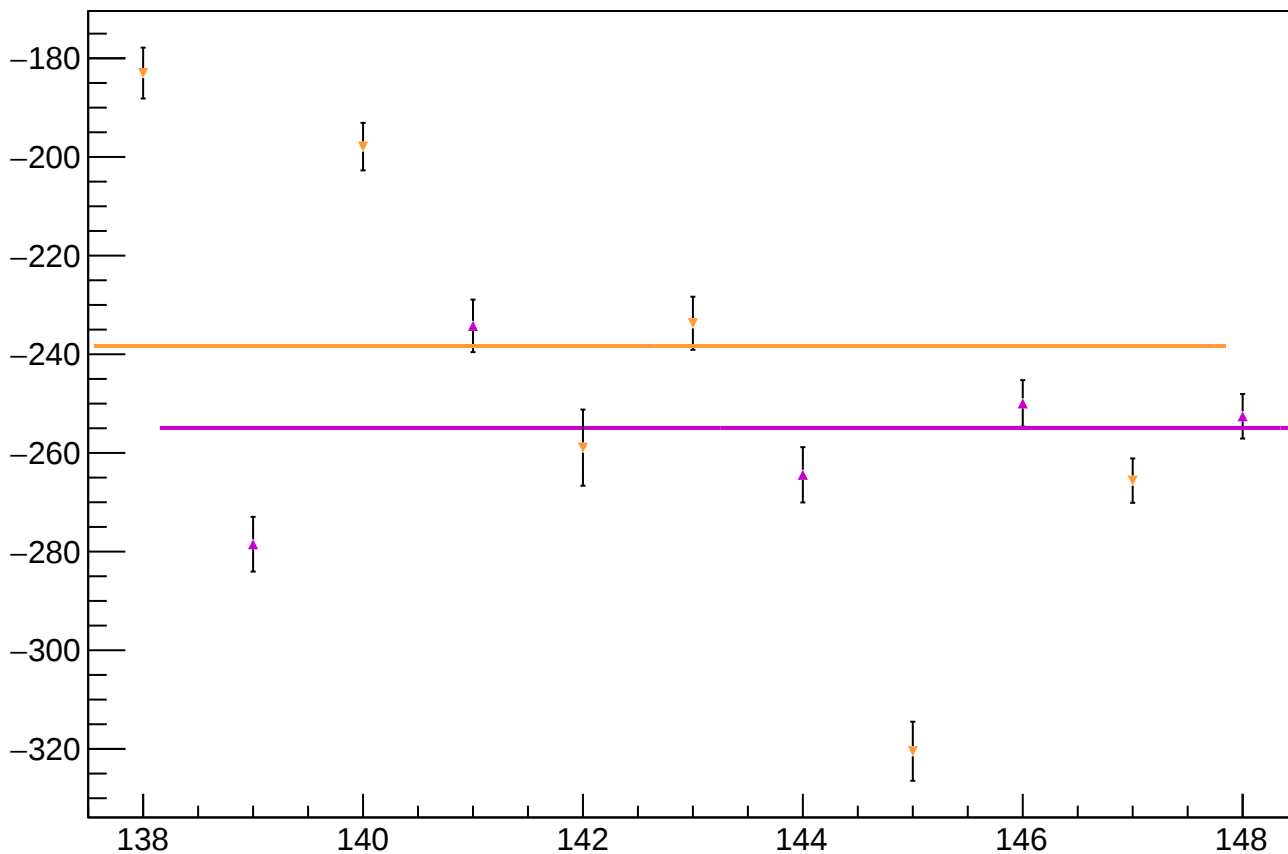
Right Out: -2.896+/-0.046 χ^2/NDF : 266162.6/19

Left In: 22.421+/-0.042 χ^2/NDF : 19254.1/4

7.015+/-0.032 χ^2/NDF : 775269.7/22

10.847+/-0.031 χ^2/NDF : 452149.7/24

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -238.317+/-2.185 χ^2/NDF : 418.5/5

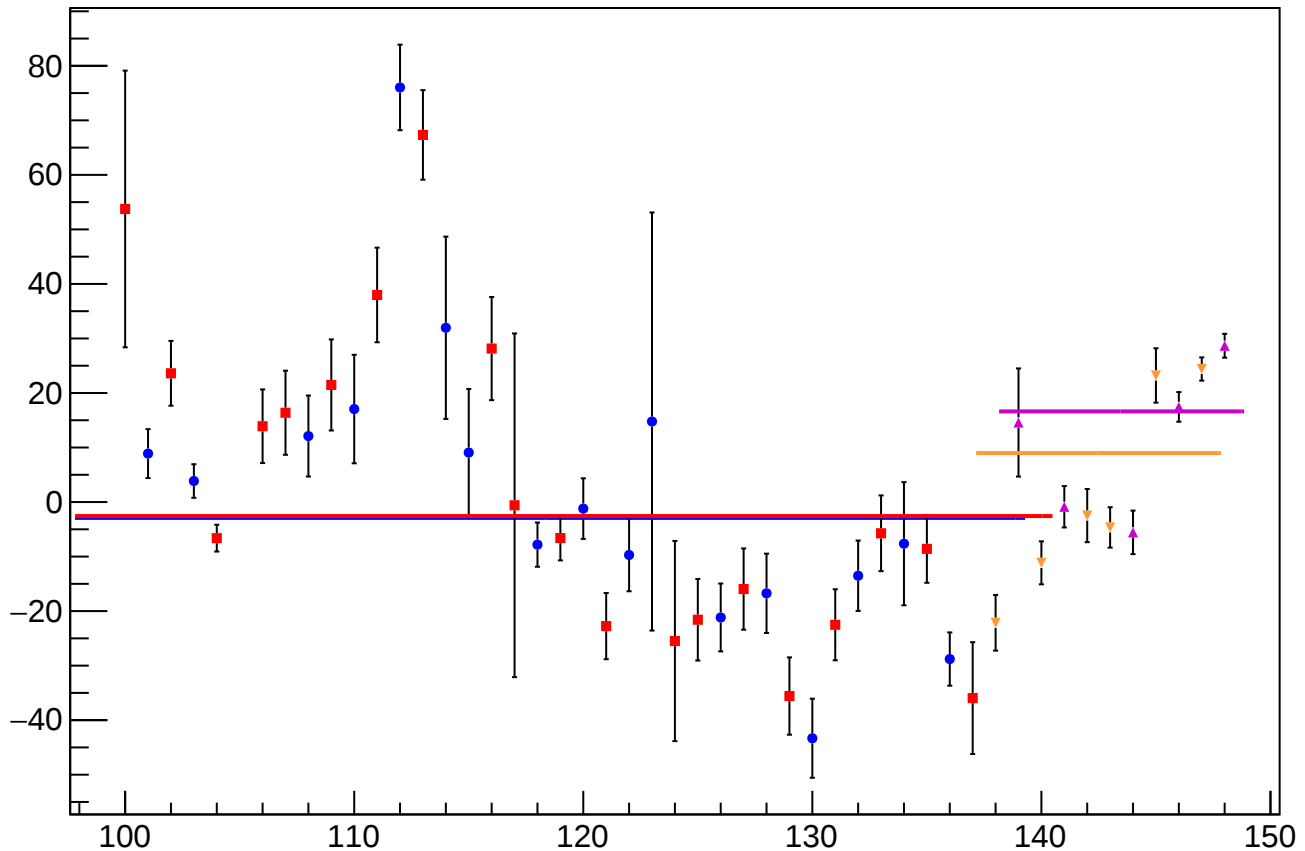
-238.317+/-2.185 χ^2/NDF : 418.5/5

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



Right In: -2.901±1.467 χ^2/NDF : 203.6/16

Left Out: 8.986±1.446 χ^2/NDF :142.9/5

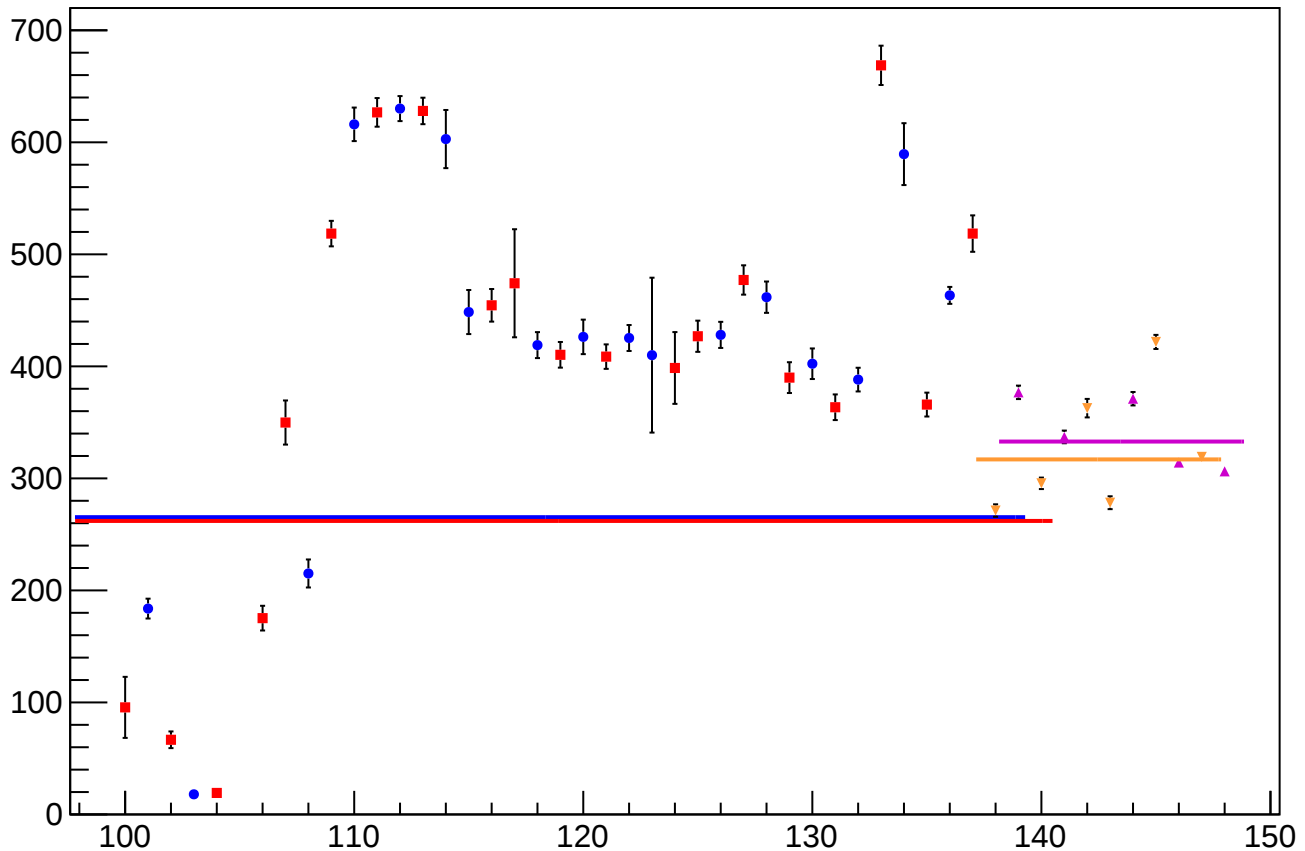
Right Out: -2.566±1.395 χ^2/NDF : 218.2/19

Left In: 16.626±1.433 χ^2/NDF :82.6/4

3.129±1.030 χ^2/NDF : 379.8/22

6.772±1.000 χ^2/NDF : 392.9/24

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 316.936 $\pm$ 2.253 χ^2 /NDF:438.1/5

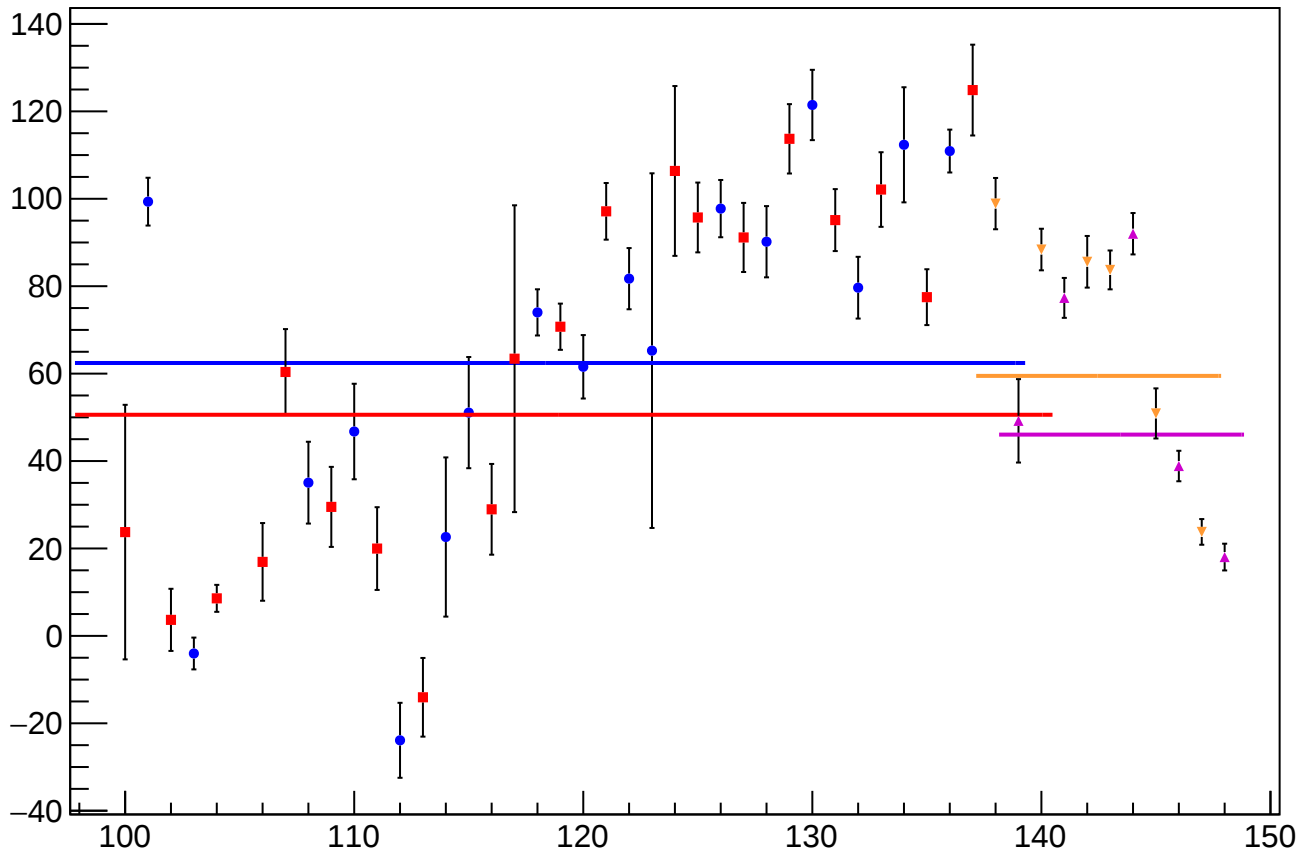
Right Out: 262.016 $\pm$ 2.455 χ^2 /NDF: 8223.7/19

Left In: 332.872 $\pm$ 2.283 χ^2 /NDF:151.5/4

293.707 $\pm$ 1.670 χ^2 /NDF: 8308.0/22

300.015 $\pm$ 1.672 χ^2 /NDF: 8822.0/24

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 ± 1.694 $\chi^2/\text{NDF}: 721.8/16$

Left Out: 59.482 ± 1.830 $\chi^2/\text{NDF}: 281.1/5$

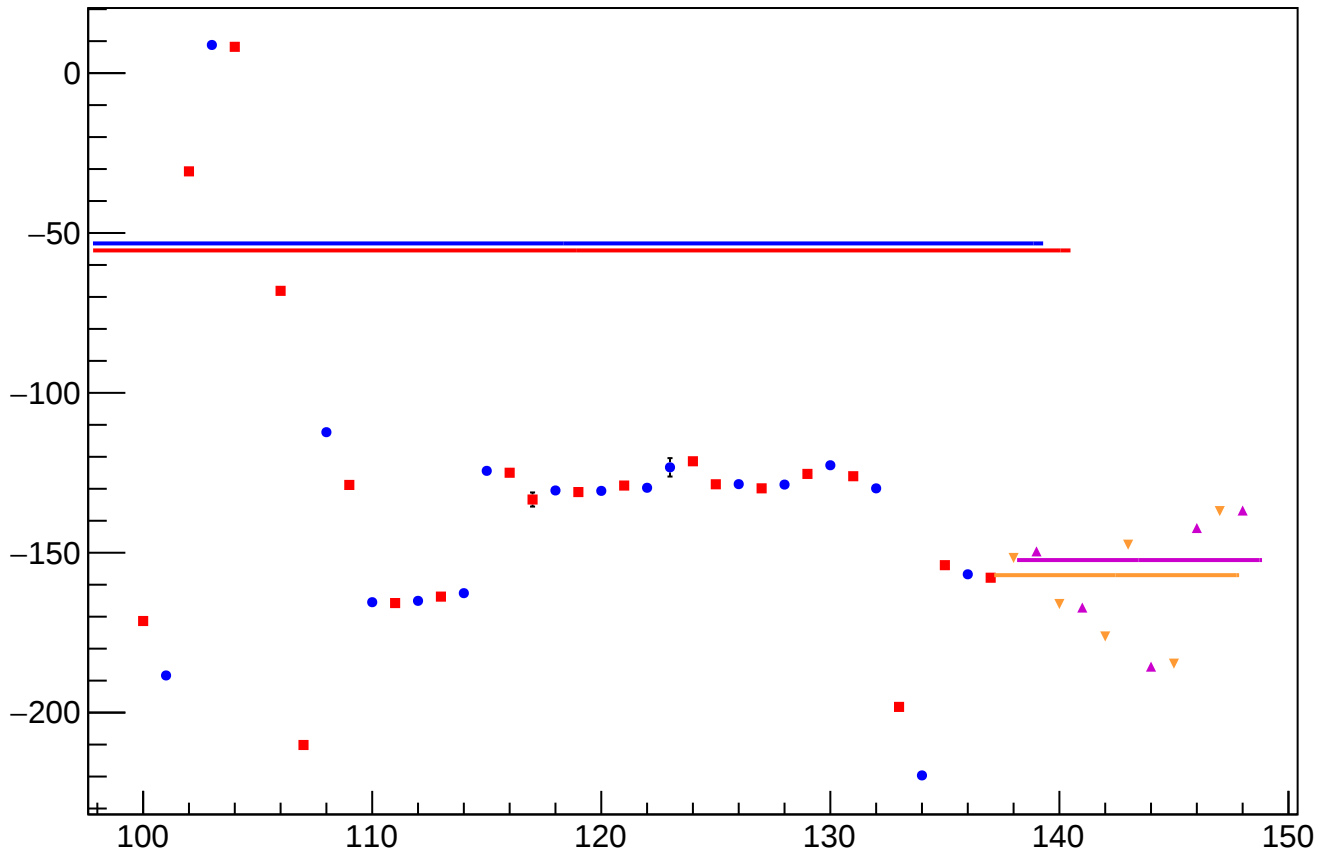
Right Out: 50.588 ± 1.640 $\chi^2/\text{NDF}: 657.5/19$

Left In: 46.048 ± 1.849 $\chi^2/\text{NDF}: 229.3/4$

61.071 ± 1.243 $\chi^2/\text{NDF}: 1004.3/22$

48.589 ± 1.227 $\chi^2/\text{NDF}: 890.2/24$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264+/-0.070 χ^2/NDF : 1225492.9/16

Left Out: -157.017+/-0.095 χ^2/NDF : 29918.6/5

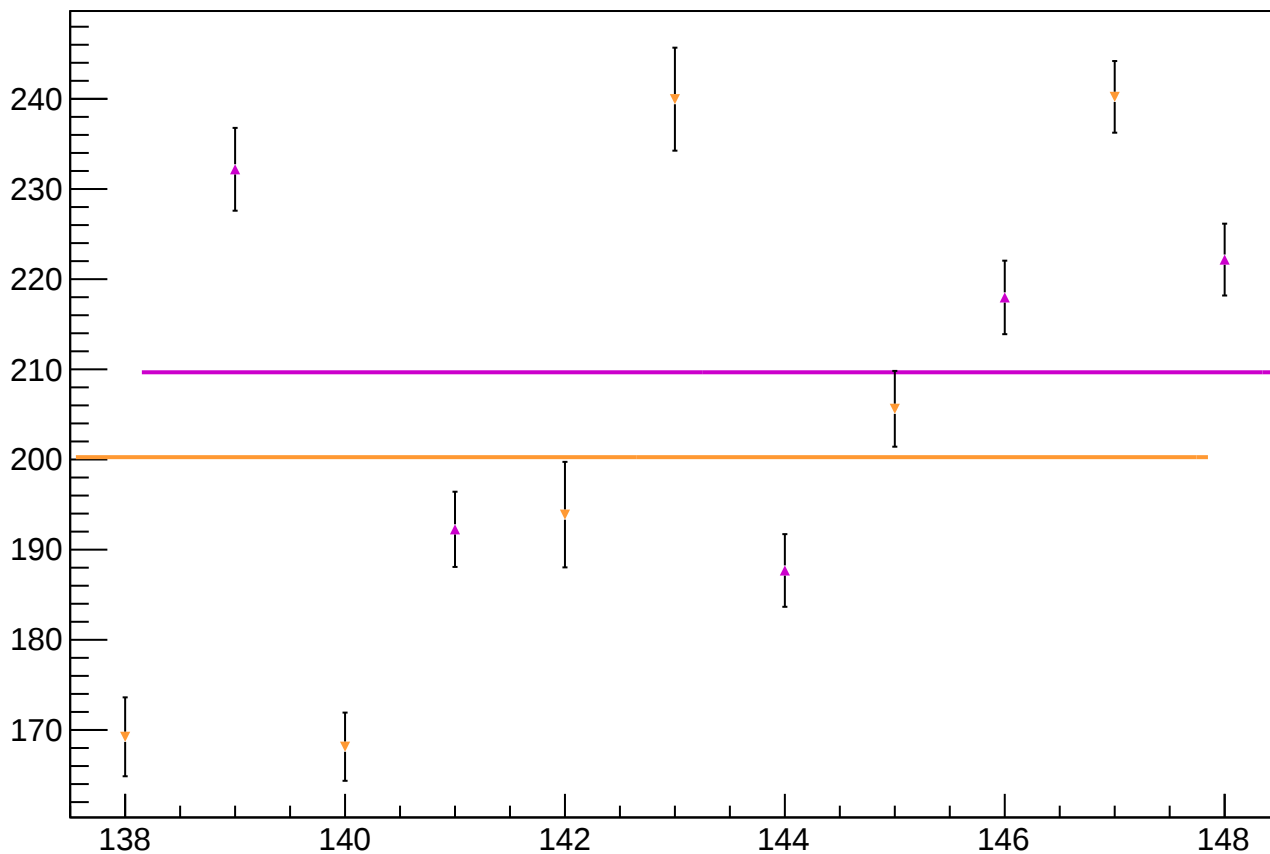
Right Out: -55.455+/-0.072 χ^2/NDF : 968274.5/19

Left In: -152.295+/-0.095 χ^2/NDF : 30126.9/4

-89.855+/-0.057 χ^2/NDF : 2021171.8/22

-90.508+/-0.057 χ^2/NDF : 1654790.7/24

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 200.259+/-1.820 χ^2/NDF : 274.6/5

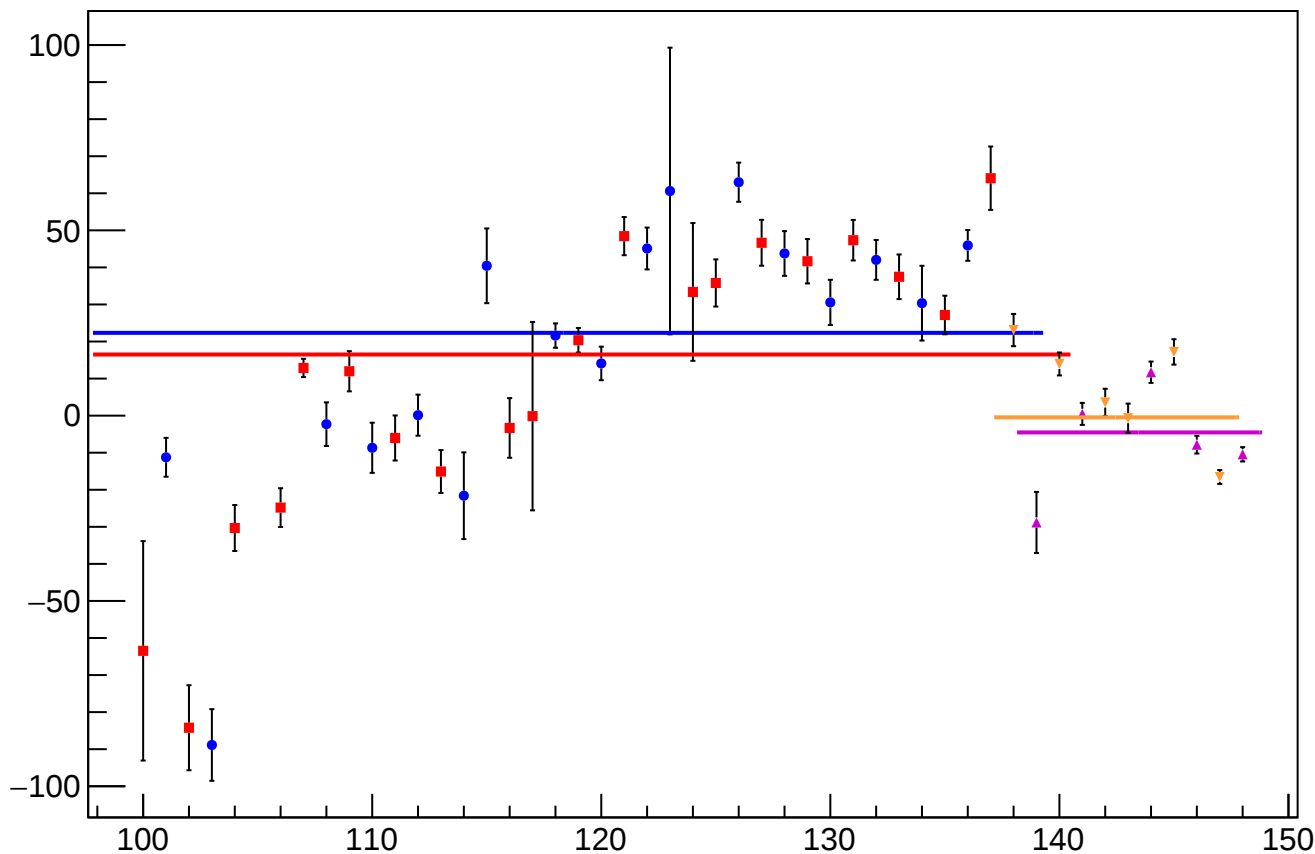
200.259+/-1.820 χ^2/NDF : 274.6/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

209.672+/-1.858 χ^2/NDF : 85.2/4

Left In: 209.672+/-1.858 χ^2/NDF : 85.2/4

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 ± 1.395 $\chi^2/\text{NDF}: 385.8/16$

Left Out: -0.464 ± 1.229 $\chi^2/\text{NDF}: 151.5/5$

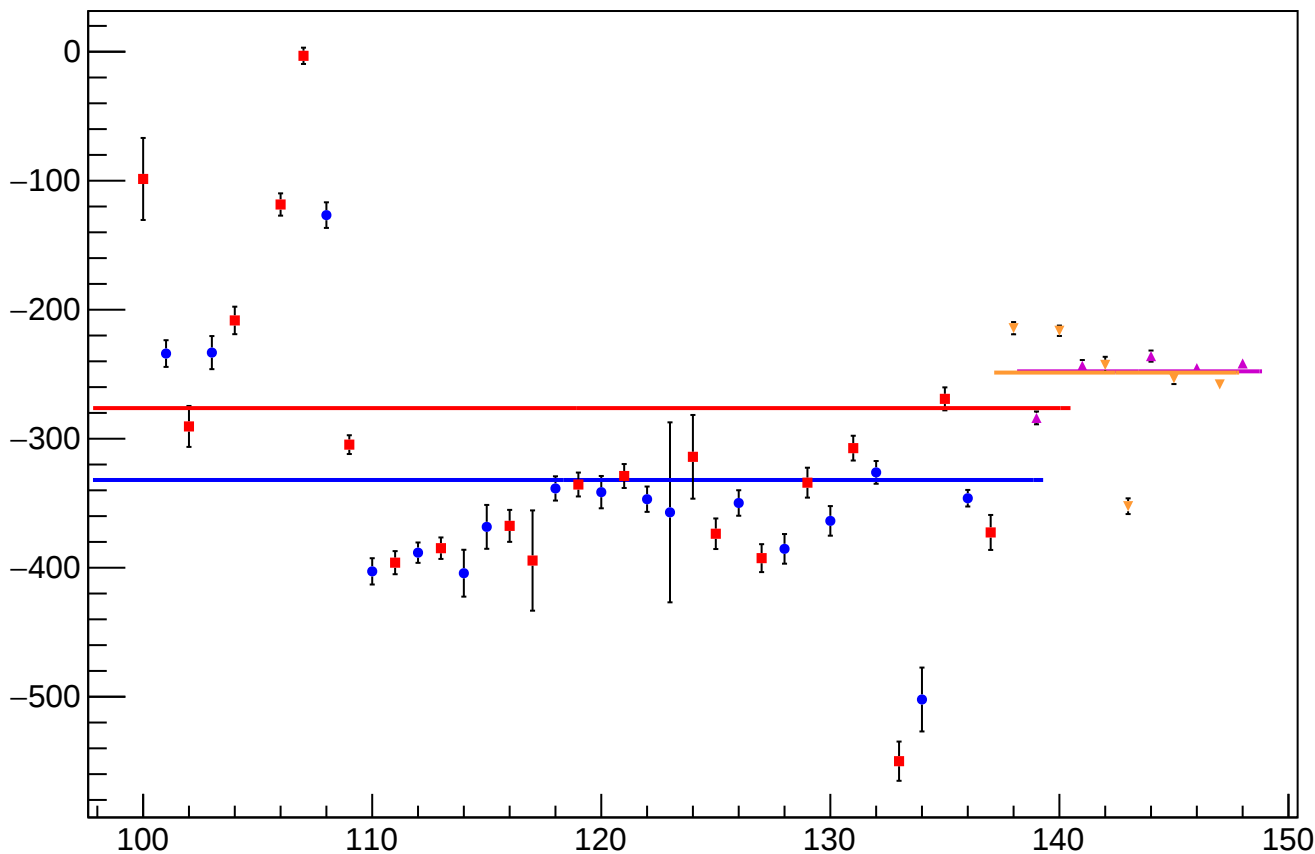
Right Out: 16.498 ± 1.226 $\chi^2/\text{NDF}: 427.0/19$

Left In: -4.529 ± 1.201 $\chi^2/\text{NDF}: 54.7/4$

9.503 ± 0.922 $\chi^2/\text{NDF}: 687.8/22$

5.768 ± 0.858 $\chi^2/\text{NDF}: 631.8/24$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -248.725+/-1.885 χ^2/NDF : 414.1/5

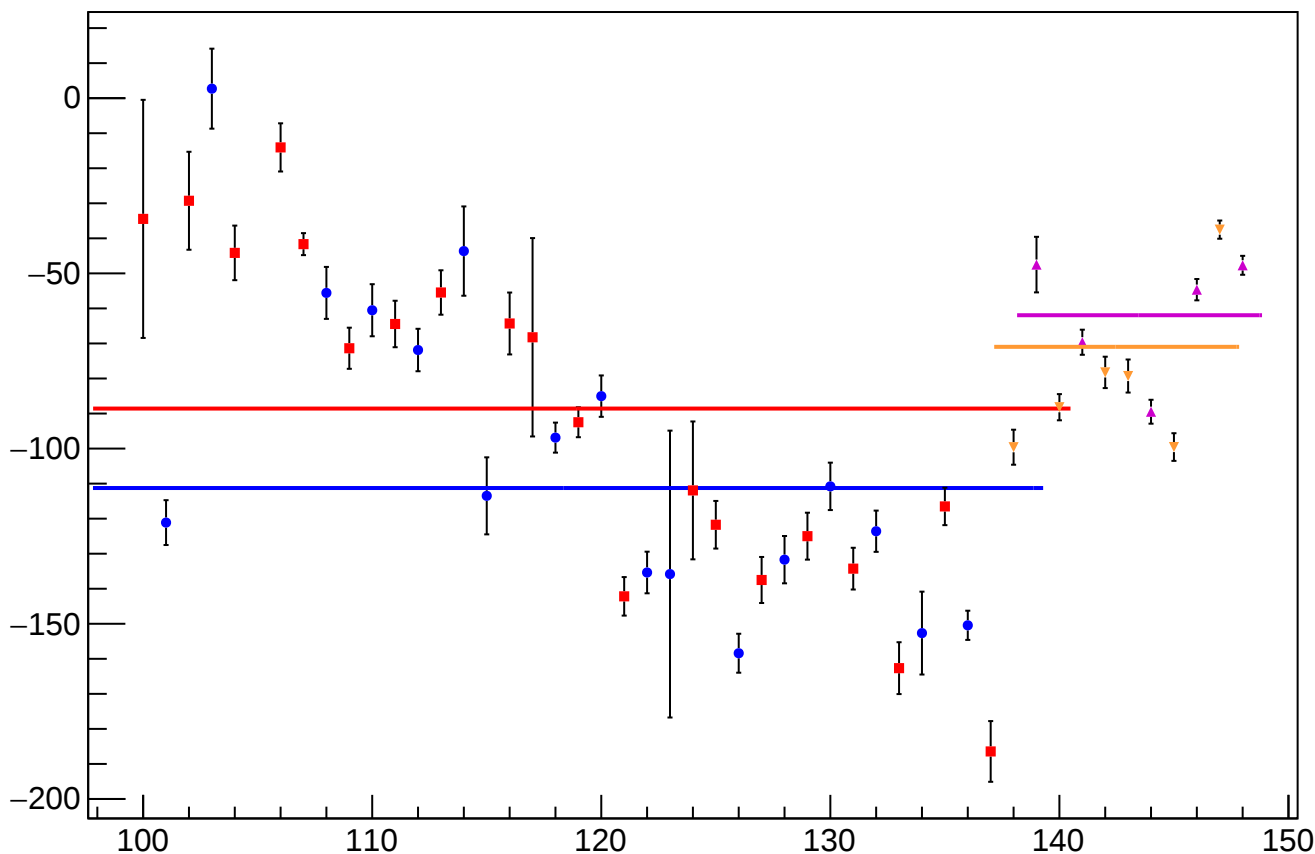
Right Out: -276.265+/-2.320 χ^2/NDF : 3371.5/19

Left In: -247.767+/-1.881 χ^2/NDF : 64.2/4

-277.694+/-1.522 χ^2/NDF : 1878.1/22

-259.069+/-1.461 χ^2/NDF : 3526.7/24

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 $\pm$ 1.597 χ^2/NDF : 509.6/16

Left Out: -70.963 $\pm$ 1.545 χ^2/NDF : 278.2/5

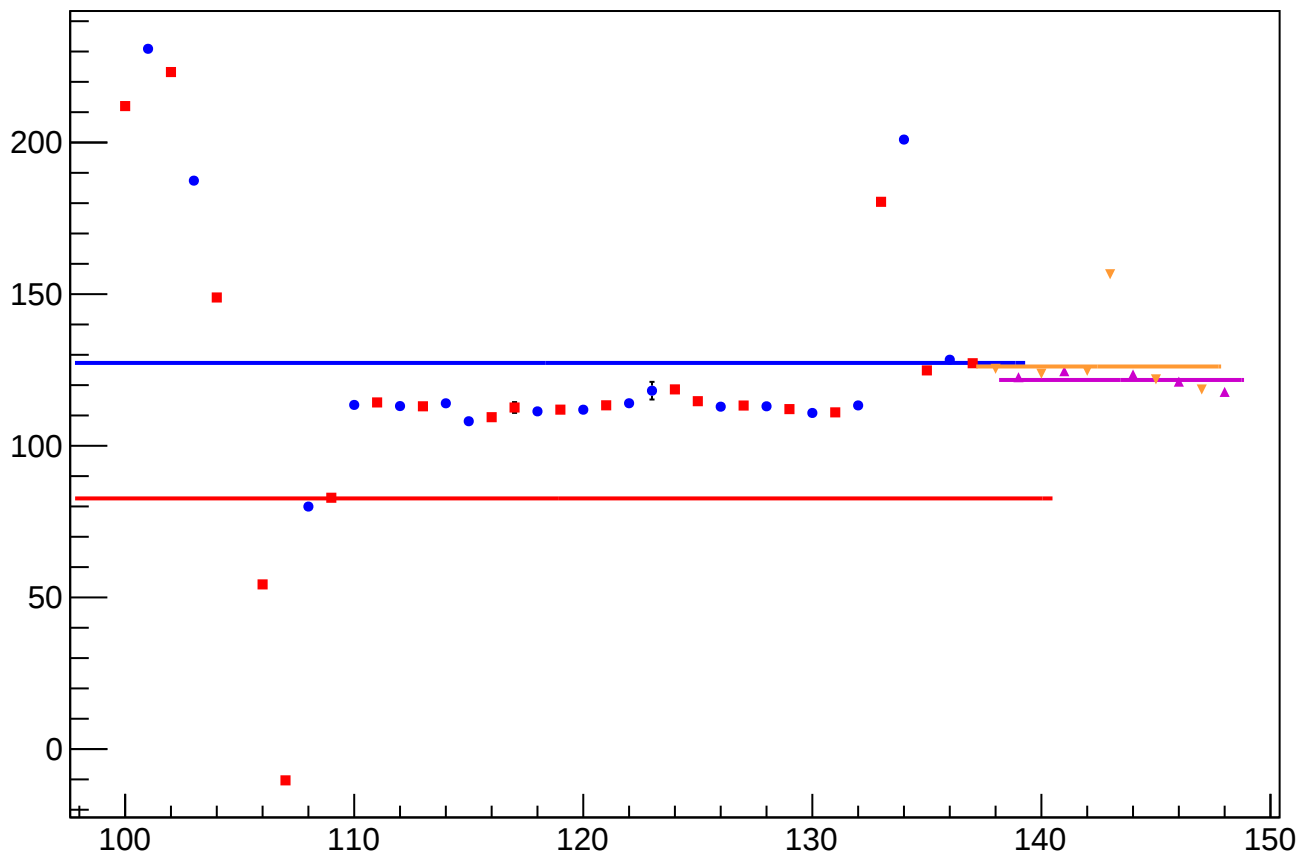
Right Out: -88.581 $\pm$ 1.431 χ^2/NDF : 971.5/19

Left In: -61.943 $\pm$ 1.534 χ^2/NDF : 106.7/4

-90.443 $\pm$ 1.111 χ^2/NDF : 1116.5/22

-76.184 $\pm$ 1.046 χ^2/NDF : 1239.4/24

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 126.145+/-0.079 χ^2/NDF :18132.2/5

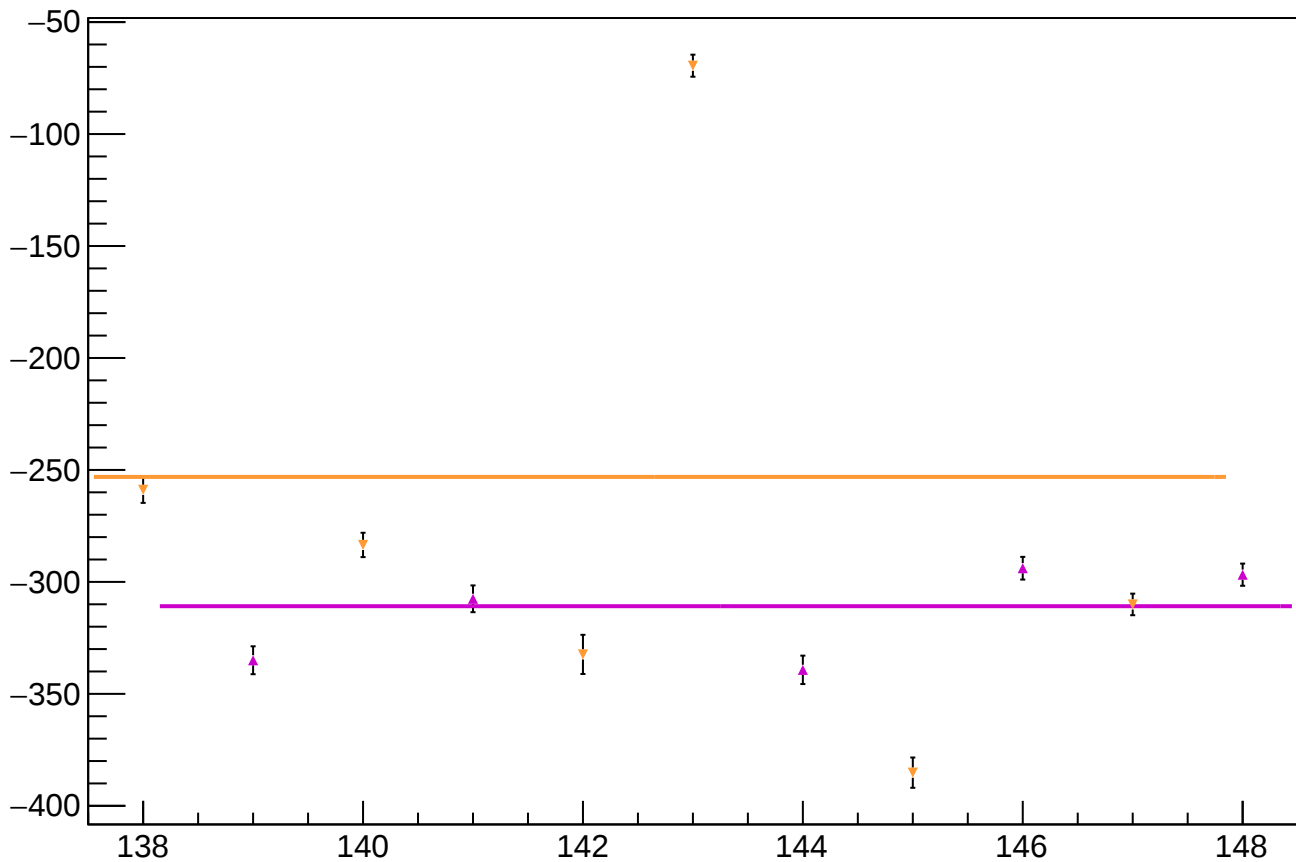
Right Out: 82.649+/-0.075 χ^2/NDF : 765307.1/19

Left In: 121.705+/-0.079 χ^2/NDF :993.3/4

126.664+/-0.059 χ^2/NDF : 206005.6/22

101.337+/-0.054 χ^2/NDF : 894999.6/24

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -253.115+/-2.340 χ^2/NDF : 2026.5/5

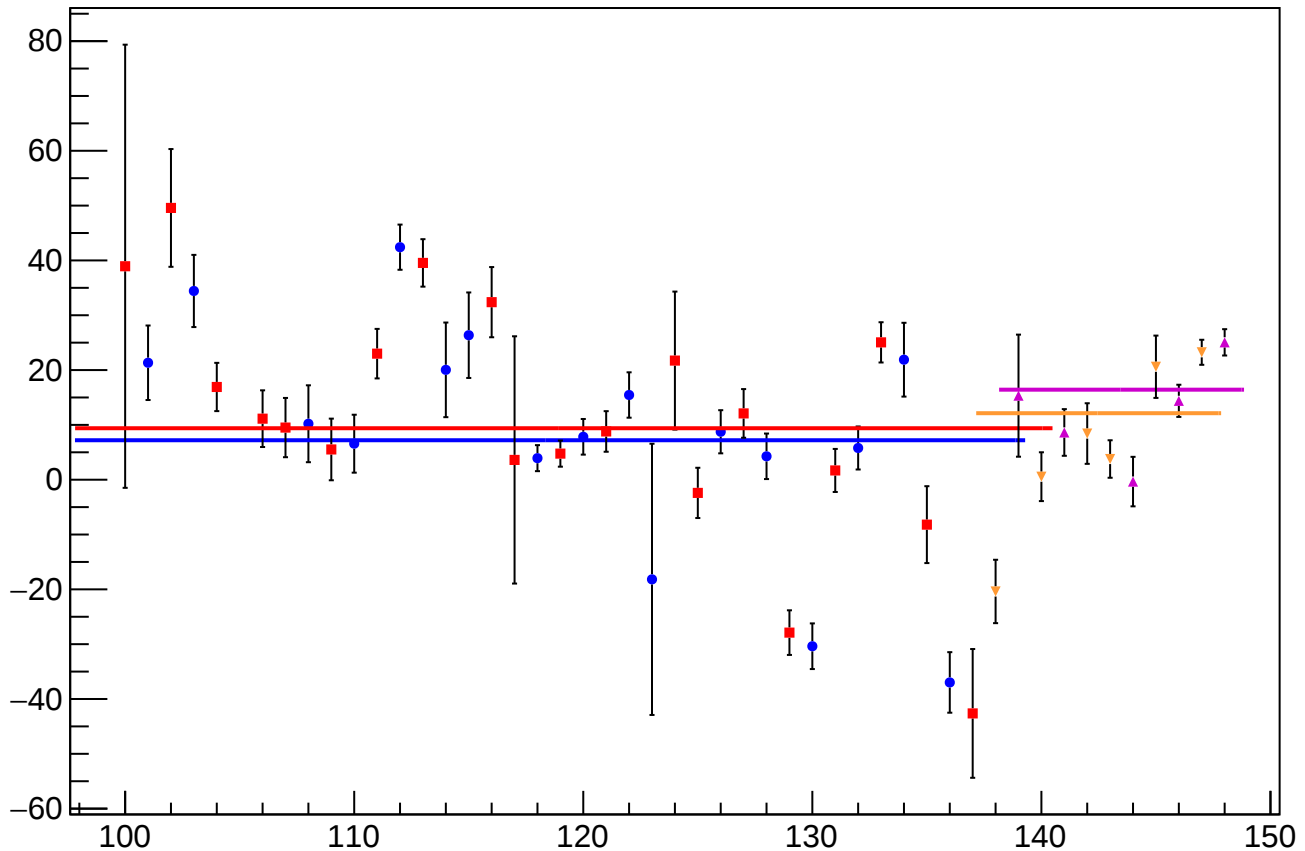
-253.115+/-2.340 χ^2/NDF : 2026.5/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-310.854+/-2.513 χ^2/NDF : 54.7/4

Left In: -310.854+/-2.513 χ^2/NDF : 54.7/4

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 12.132 ± 1.541 χ^2/NDF : 70.7/5

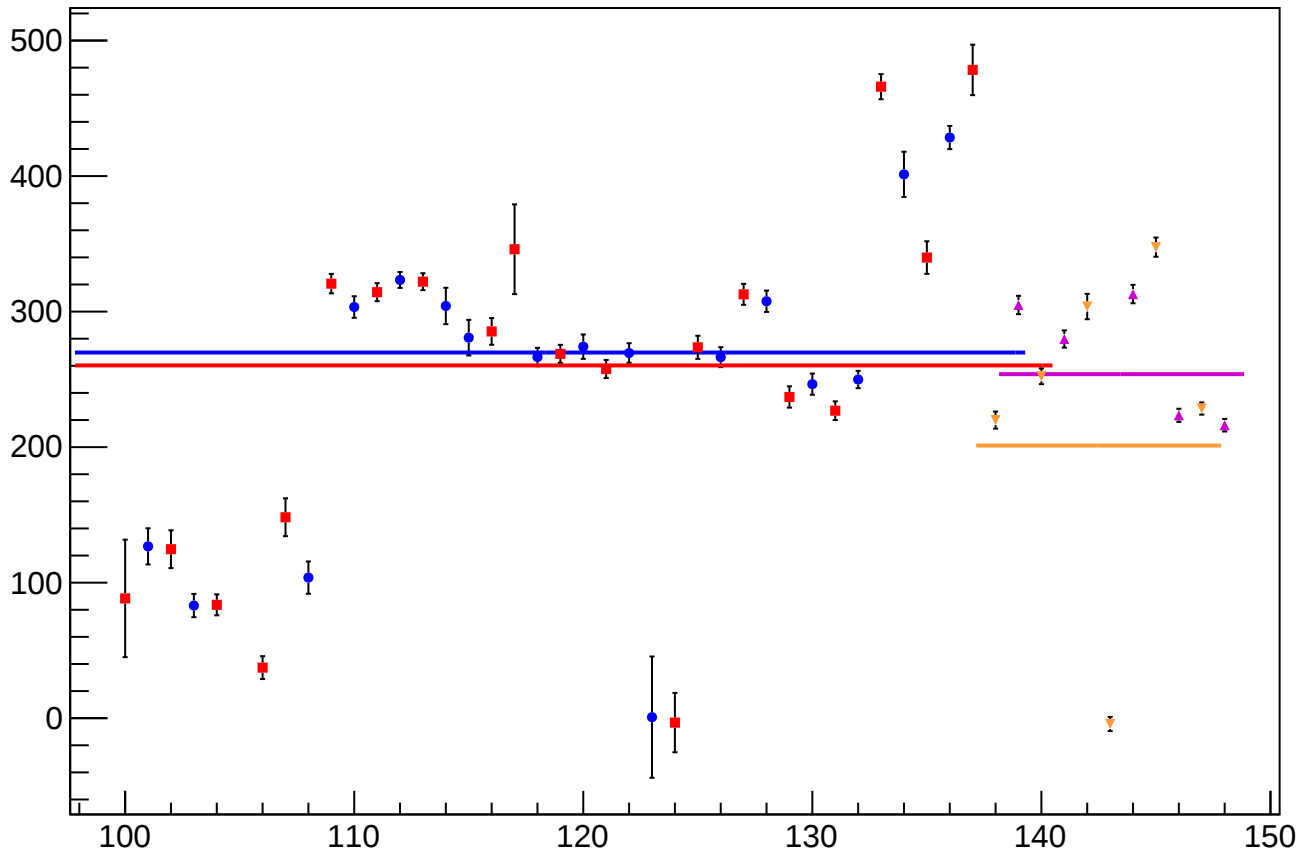
Right Out: 9.390 ± 1.070 χ^2/NDF : 232.2/19

Left In: 16.423 ± 1.577 χ^2/NDF : 30.6/4

8.871 ± 0.897 χ^2/NDF : 338.4/22

11.606 ± 0.885 χ^2/NDF : 276.4/24

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 ± 2.089 χ^2/NDF : 1374.1/16

Left Out: 201.166 ± 2.412 χ^2/NDF : 2199.1/5

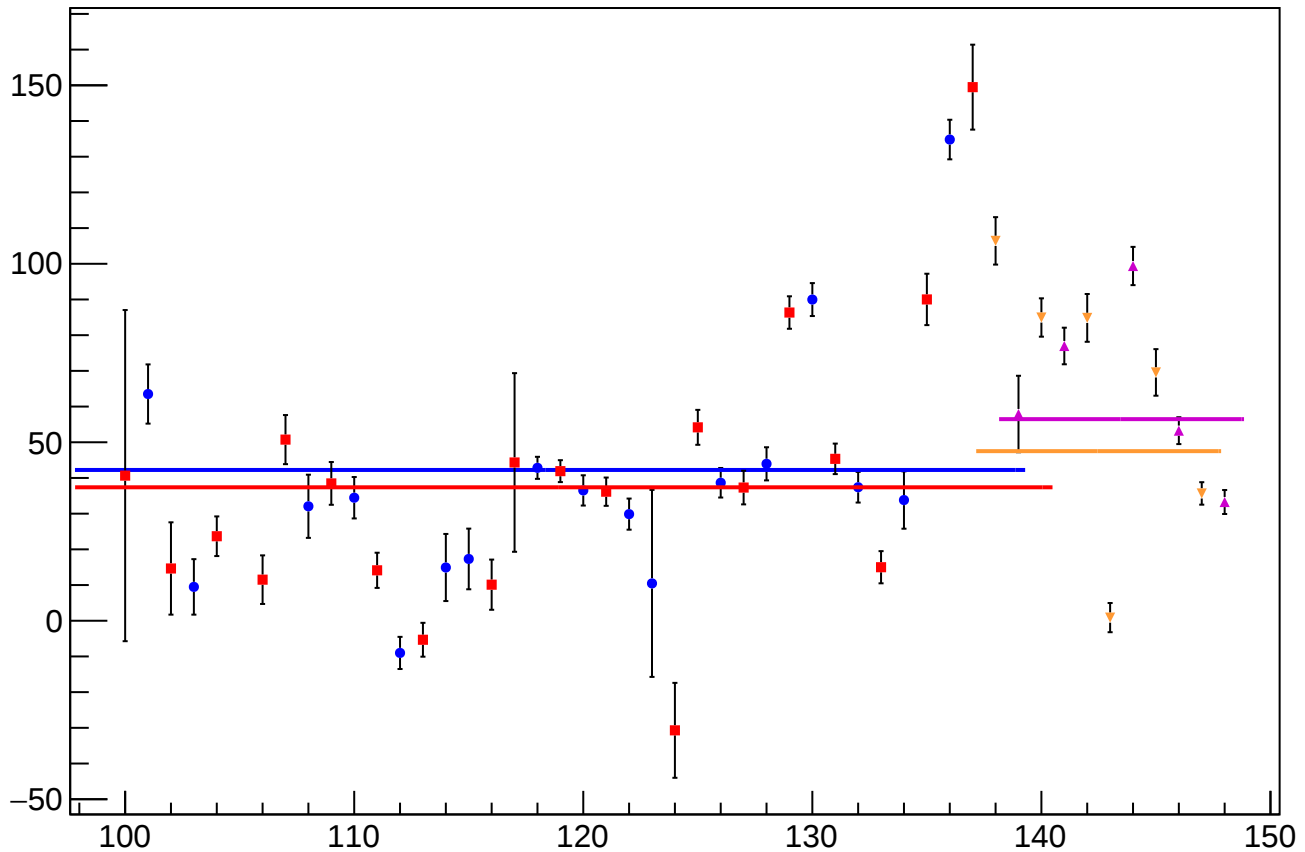
Right Out: 260.286 ± 1.973 χ^2/NDF : 2545.4/19

Left In: 253.841 ± 2.519 χ^2/NDF : 254.9/4

240.380 ± 1.579 χ^2/NDF : 4036.0/22

257.835 ± 1.554 χ^2/NDF : 2804.3/24

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 ± 1.274 χ^2/NDF : 574.4/16

Left Out: 47.512 ± 1.947 χ^2/NDF : 313.8/5

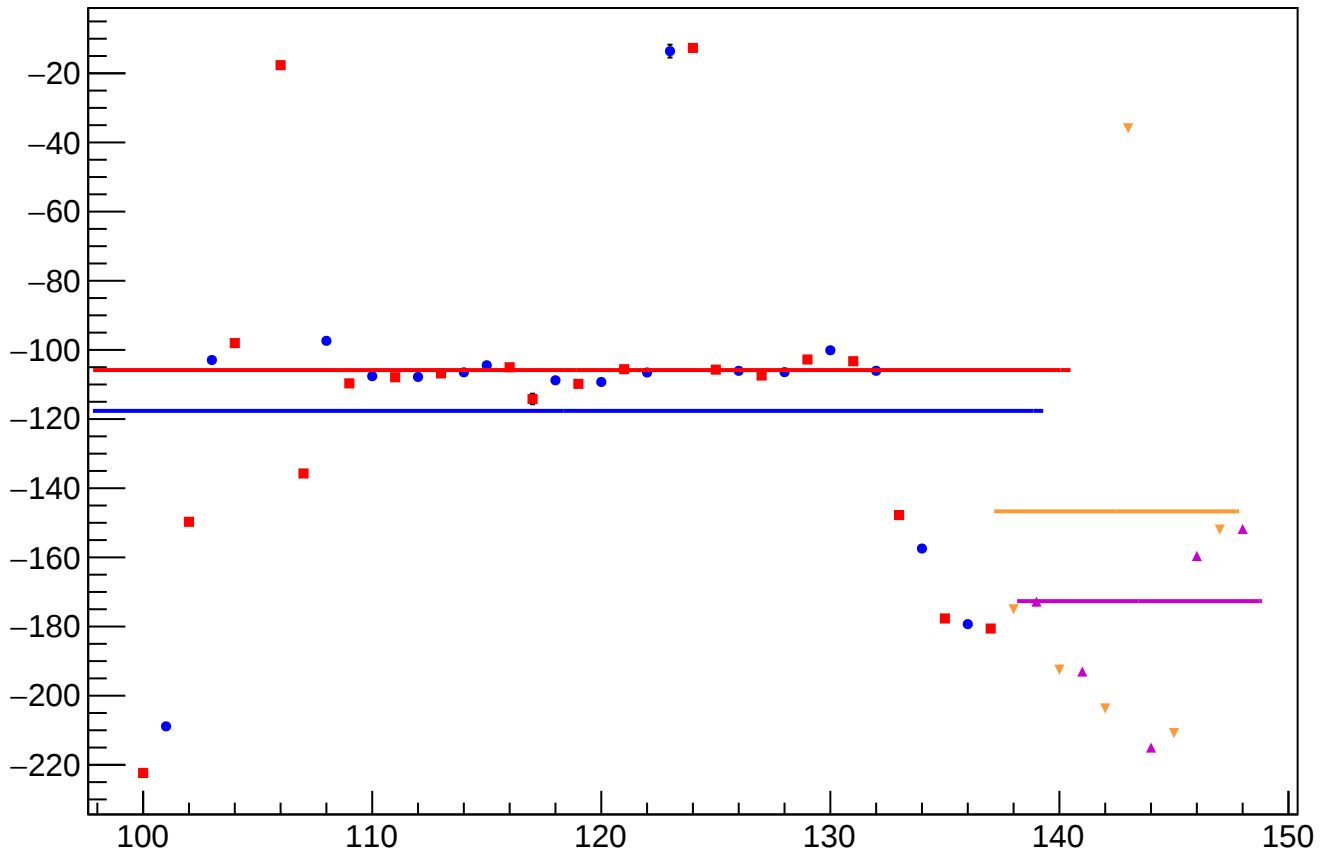
Right Out: 37.384 ± 1.233 χ^2/NDF : 472.4/19

Left In: 56.478 ± 2.037 χ^2/NDF : 128.6/4

43.821 ± 1.066 χ^2/NDF : 893.3/22

42.503 ± 1.055 χ^2/NDF : 665.3/24

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -146.699+/-0.102 χ^2/NDF : 398960.3/5

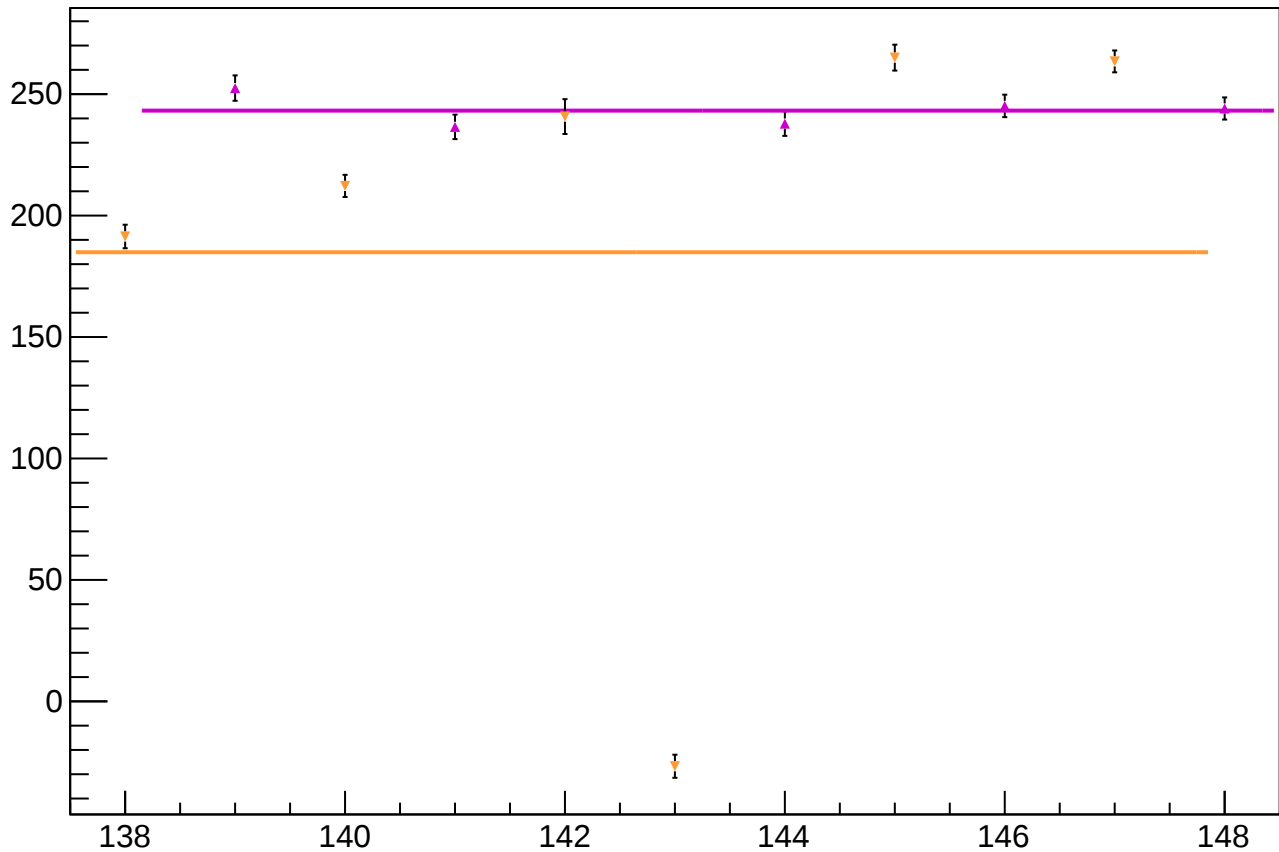
Right Out: -105.826+/-0.073 χ^2/NDF : 323138.4/19

Left In: -172.653+/-0.106 χ^2/NDF : 41009.5/4

-128.453+/-0.062 χ^2/NDF : 591886.6/22

-127.318+/-0.060 χ^2/NDF : 635662.6/24

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 184.915+/-2.047 χ^2/NDF : 2609.5/5

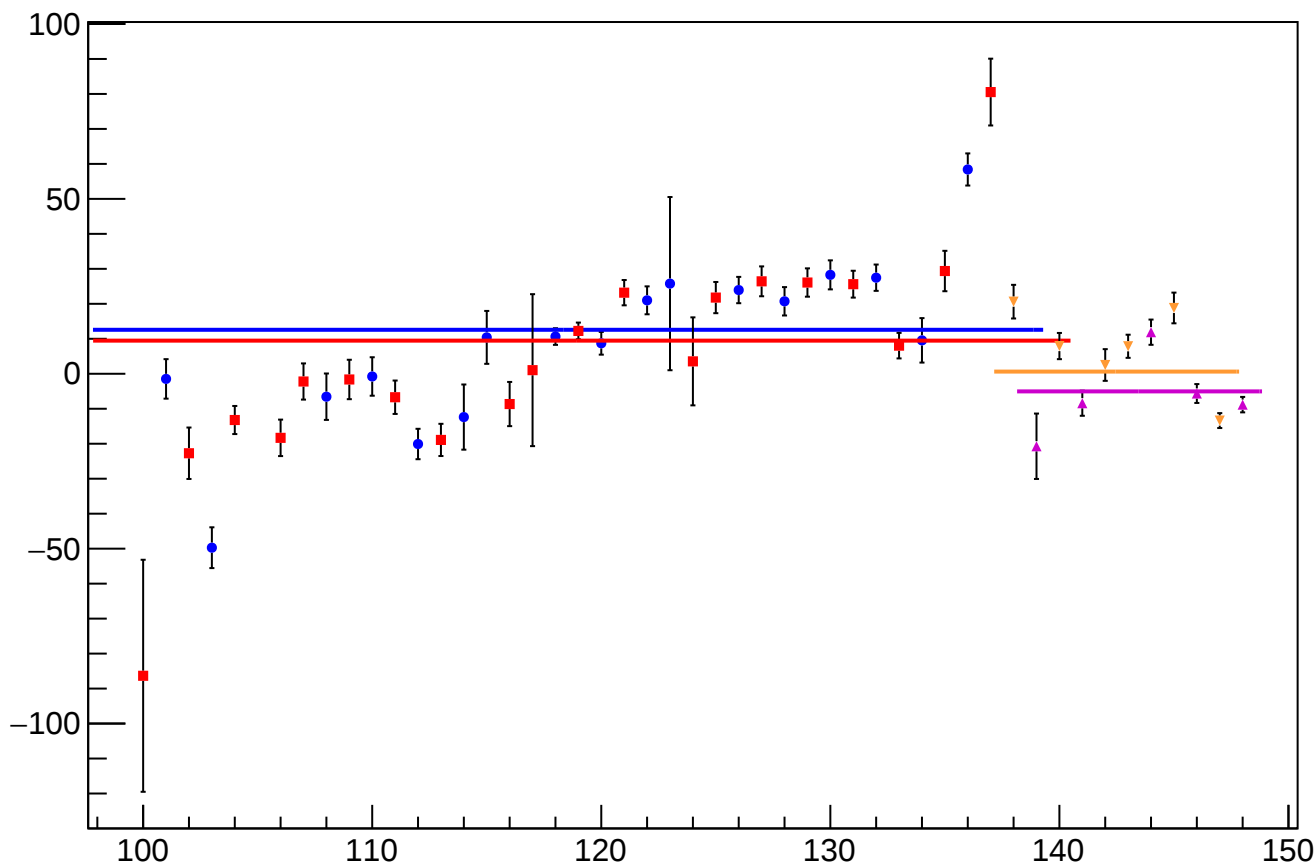
184.915+/-2.047 χ^2/NDF : 2609.5/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

243.212+/-2.182 χ^2/NDF : 6.2/4

Left In: 243.212+/-2.182 χ^2/NDF : 6.2/4

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 0.625 $\pm$ 1.378 χ^2 /NDF:86.4/5

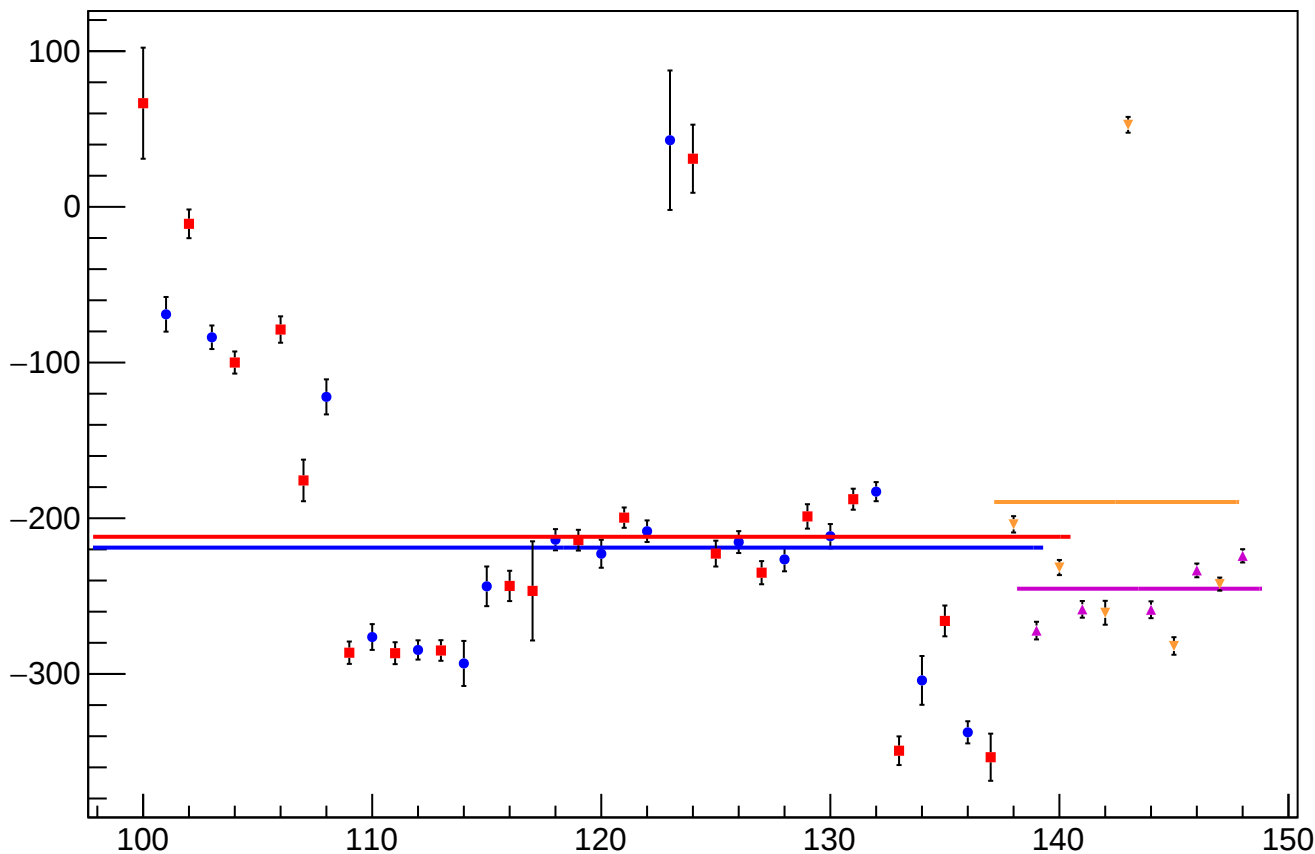
Right Out: 9.474 $\pm$ 1.046 χ^2 /NDF: 296.0/19

Left In: -5.039 $\pm$ 1.403 χ^2 /NDF:28.7/4

8.059 $\pm$ 0.847 χ^2 /NDF: 481.1/22

4.288 $\pm$ 0.839 χ^2 /NDF: 393.4/24

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 $\pm$ 2.023 χ^2/NDF : 1146.6/16

Left Out: -189.552 $\pm$ 2.121 χ^2/NDF : 2873.4/5

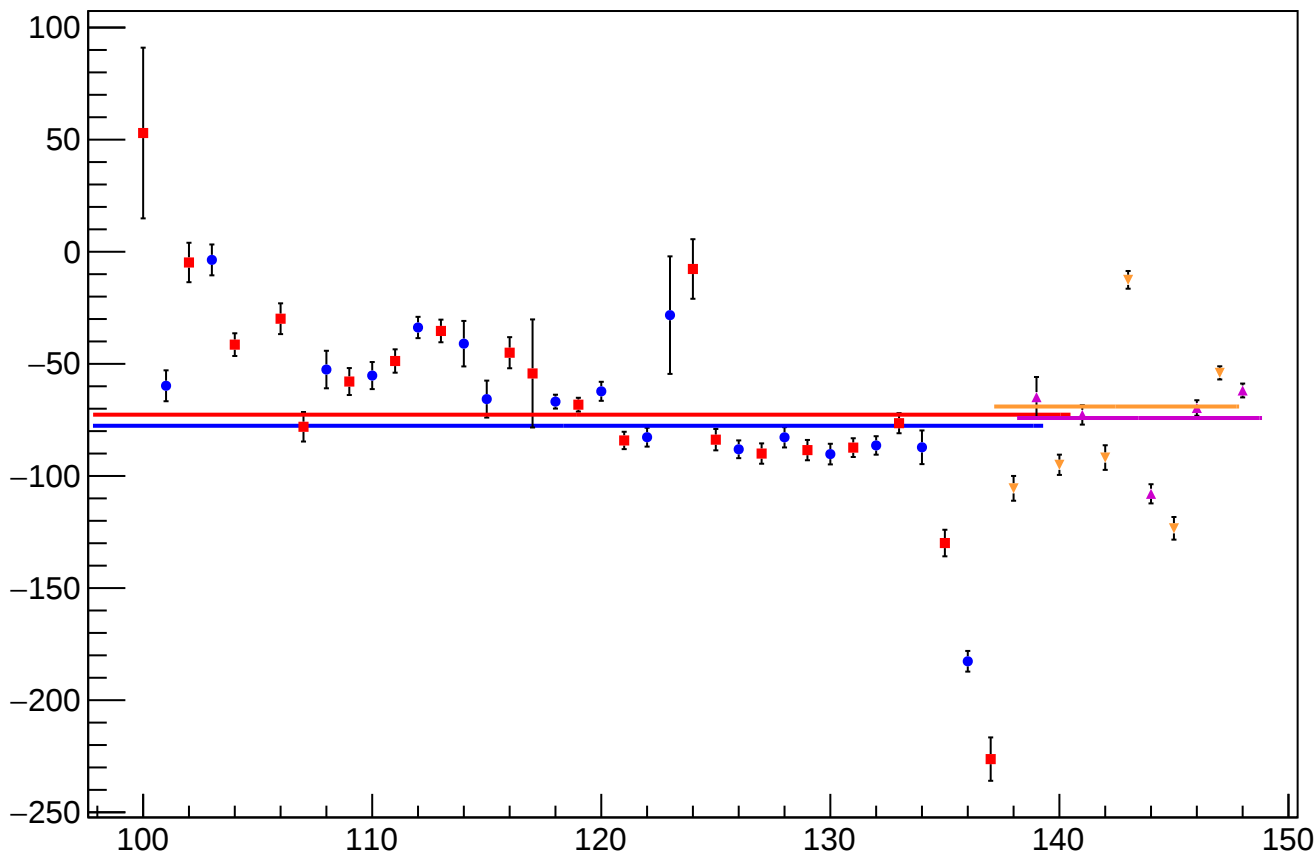
Right Out: -211.907 $\pm$ 1.920 χ^2/NDF : 1886.4/19

Left In: -245.256 $\pm$ 2.203 χ^2/NDF : 66.4/4

-204.896 $\pm$ 1.464 χ^2/NDF : 4119.9/22

-226.308 $\pm$ 1.447 χ^2/NDF : 2083.0/24

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -69.023 ± 1.731 χ^2/NDF : 440.0/5

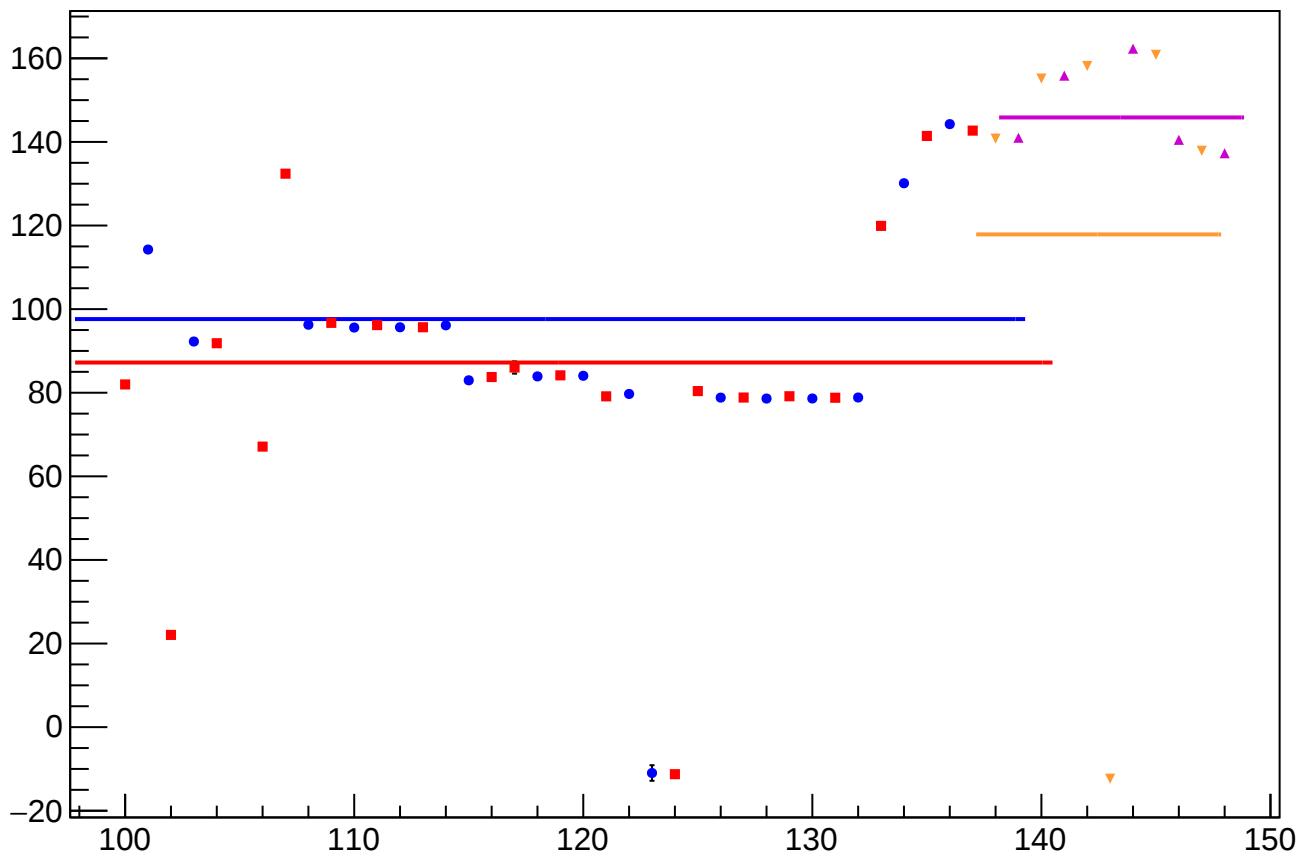
Right Out: -72.664 ± 1.205 χ^2/NDF : 672.0/19

Left In: -74.147 ± 1.799 χ^2/NDF : 81.1/4

-74.710 ± 1.006 χ^2/NDF : 1272.2/22

-73.123 ± 1.001 χ^2/NDF : 753.6/24

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620+/-0.074 χ^2/NDF : 94045.2/16

Left Out: 117.876+/-0.089 χ^2/NDF : 518633.6/5

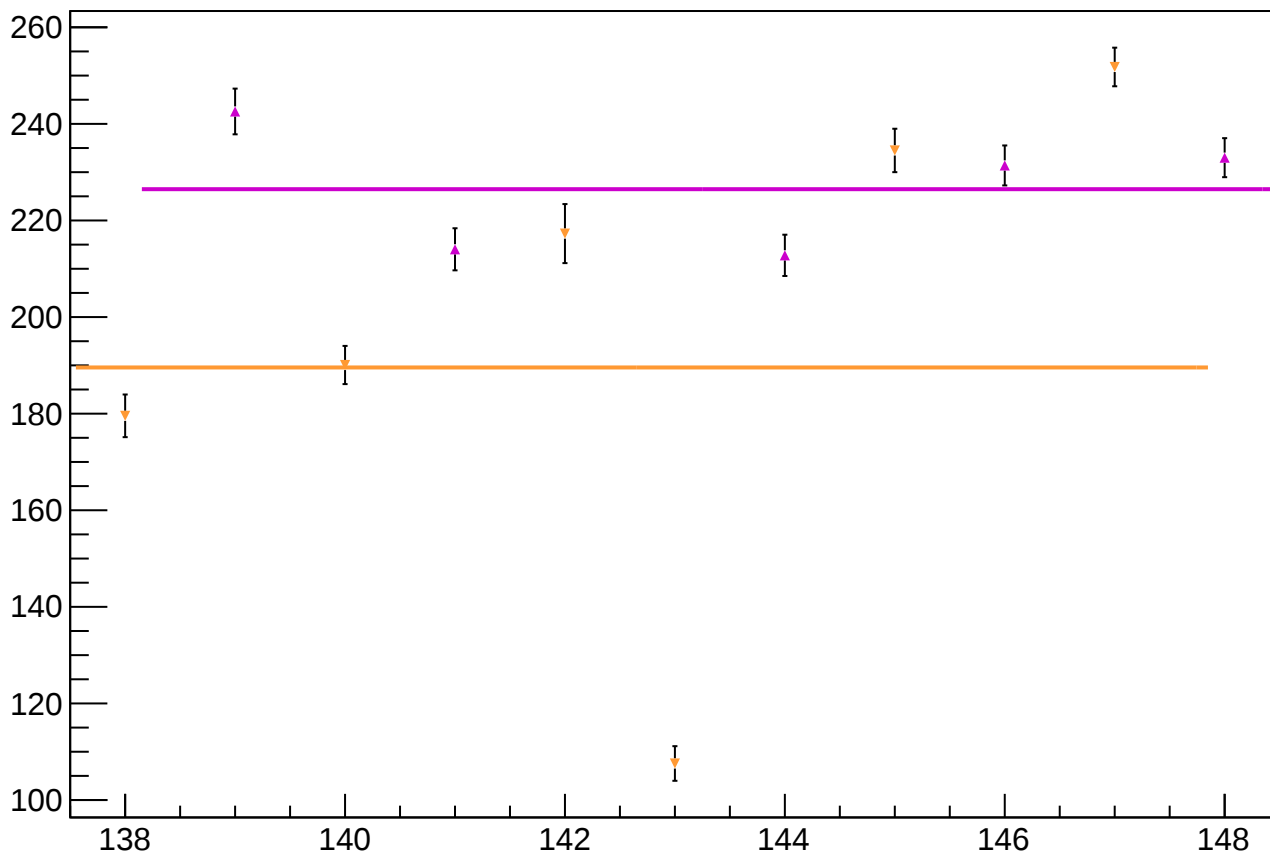
Right Out: 87.224+/-0.068 χ^2/NDF : 220851.2/19

Left In: 145.854+/-0.092 χ^2/NDF : 10443.3/4

105.840+/-0.057 χ^2/NDF : 643322.4/22

108.034+/-0.055 χ^2/NDF : 493666.3/24

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: 189.566+/-1.736 χ^2 /NDF:891.2/5

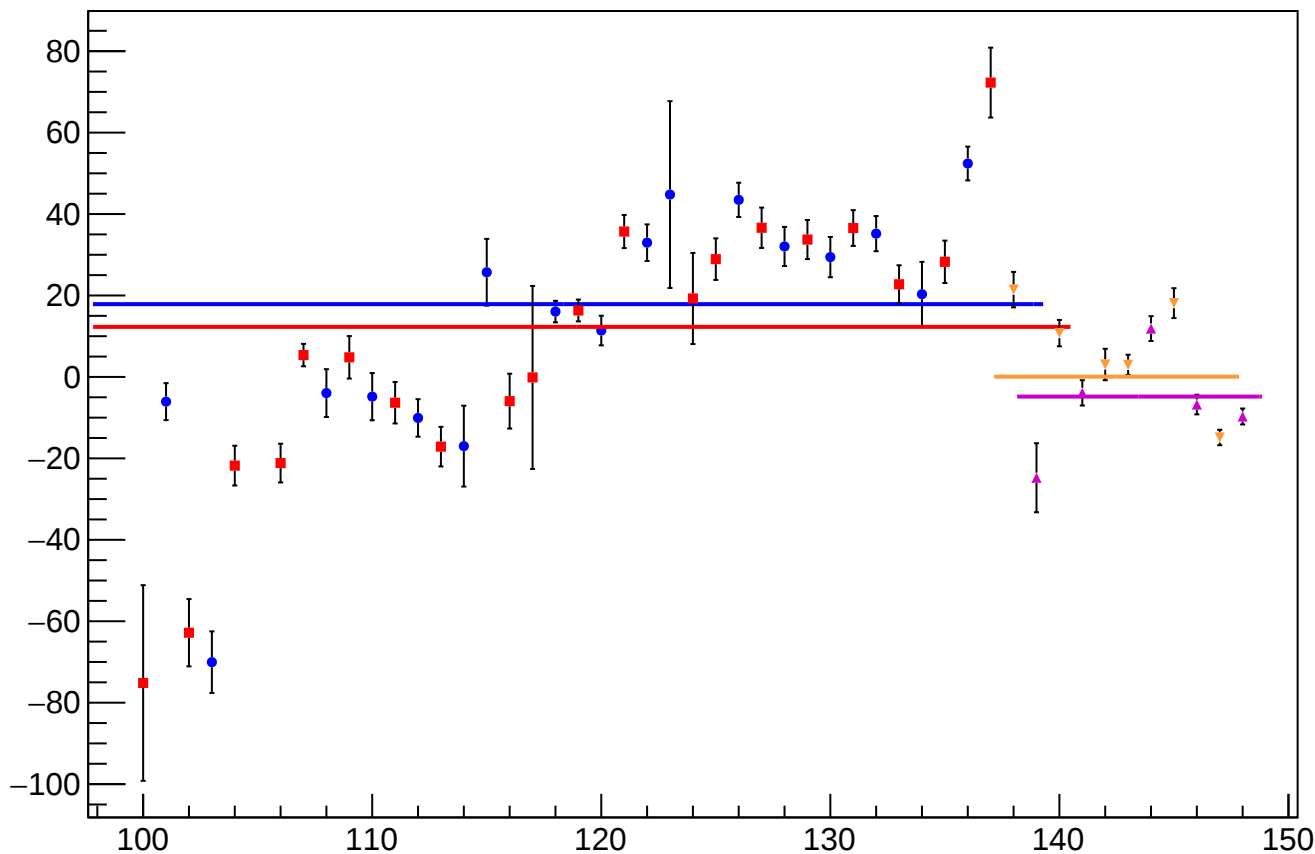
189.566+/-1.736 χ^2 /NDF: 891.2/5

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



Right In: 17.872 $\pm$ 1.166 χ^2/NDF : 395.3/16

Left Out: 0.064 $\pm$ 1.169 χ^2/NDF :123.5/5

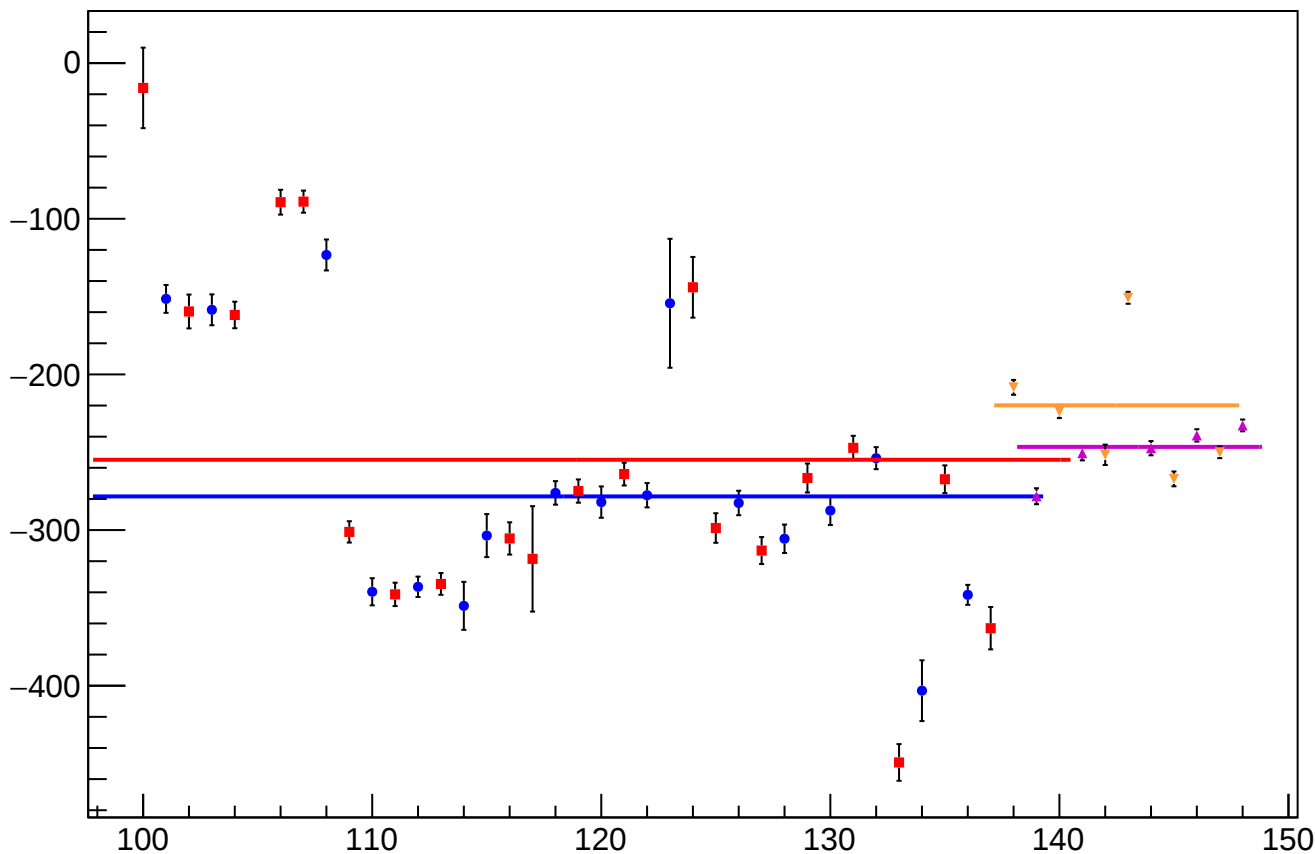
Right Out: 12.288 $\pm$ 1.082 χ^2/NDF : 444.4/19

Left In: -4.826 $\pm$ 1.233 χ^2/NDF :42.5/4

8.994 $\pm$ 0.826 χ^2/NDF : 635.1/22

4.842 $\pm$ 0.813 χ^2/NDF : 595.7/24

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 $\pm$ 2.185 χ^2/NDF : 910.6/16

Left Out: -219.857 $\pm$ 1.803 χ^2/NDF : 520.3/5

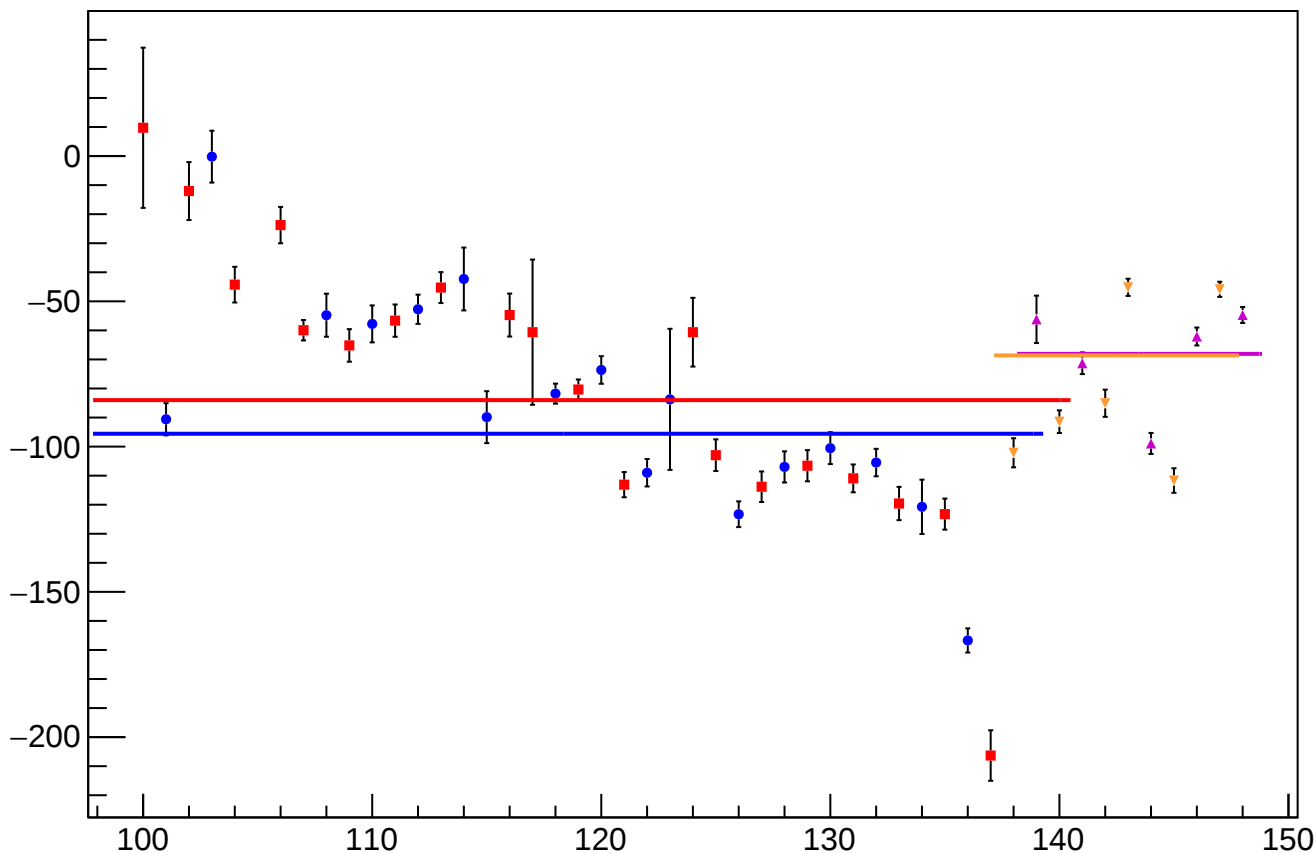
Right Out: -254.830 $\pm$ 2.016 χ^2/NDF : 2041.0/19

Left In: -246.555 $\pm$ 1.938 χ^2/NDF : 55.8/4

-243.565 $\pm$ 1.391 χ^2/NDF : 1857.7/22

-250.530 $\pm$ 1.397 χ^2/NDF : 2105.6/24

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 $\pm$ 1.340 χ^2 /NDF: 671.2/16

Left Out: -68.612 $\pm$ 1.463 χ^2 /NDF:333.4/5

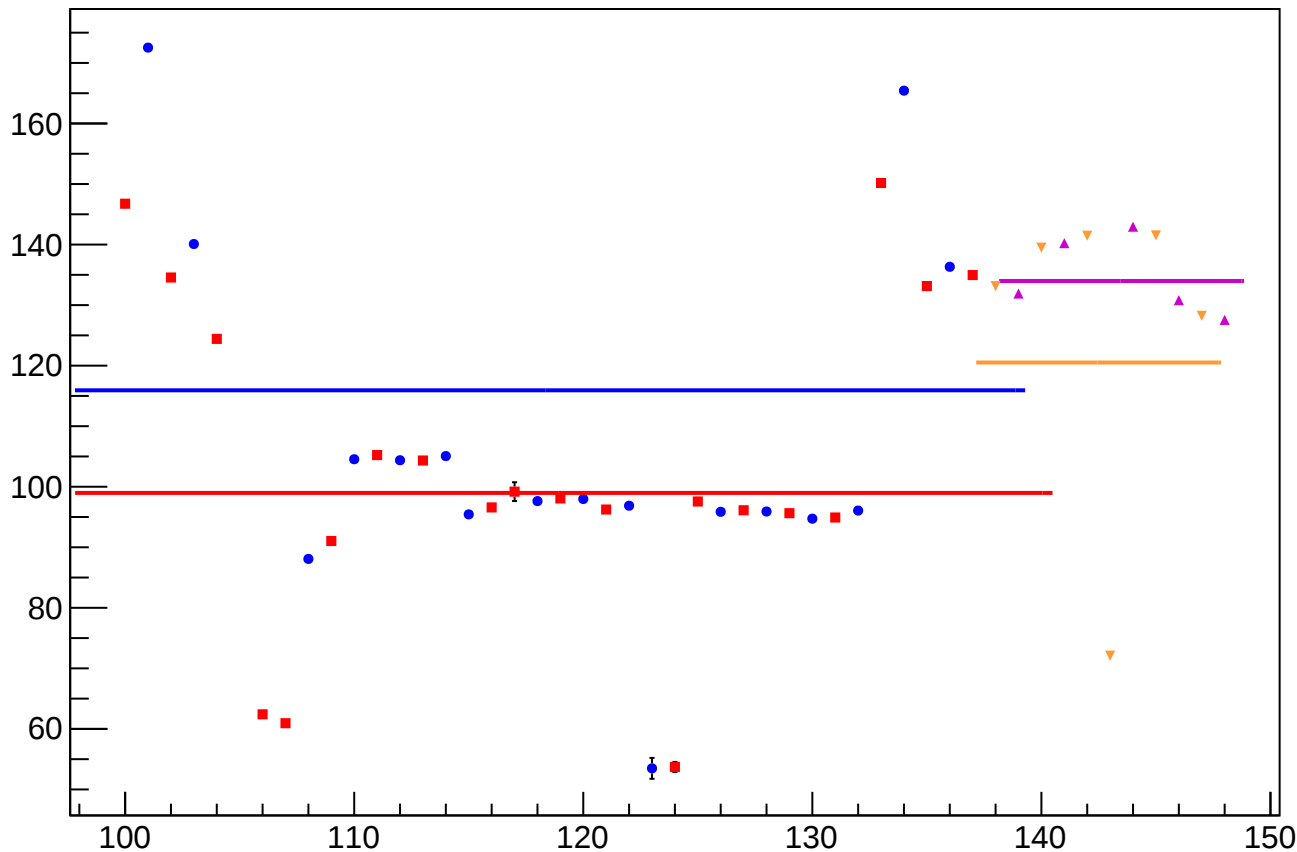
Right Out: -84.003 $\pm$ 1.255 χ^2 /NDF: 784.1/19

Left In: -68.080 $\pm$ 1.579 χ^2 /NDF:103.2/4

-83.271 $\pm$ 0.988 χ^2 /NDF: 1189.3/22

-77.836 $\pm$ 0.982 χ^2 /NDF: 949.6/24

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927 $\pm$ 0.078 χ^2/NDF : 105791.4/16

Left Out: 120.519 $\pm$ 0.076 χ^2/NDF :135492.3/5

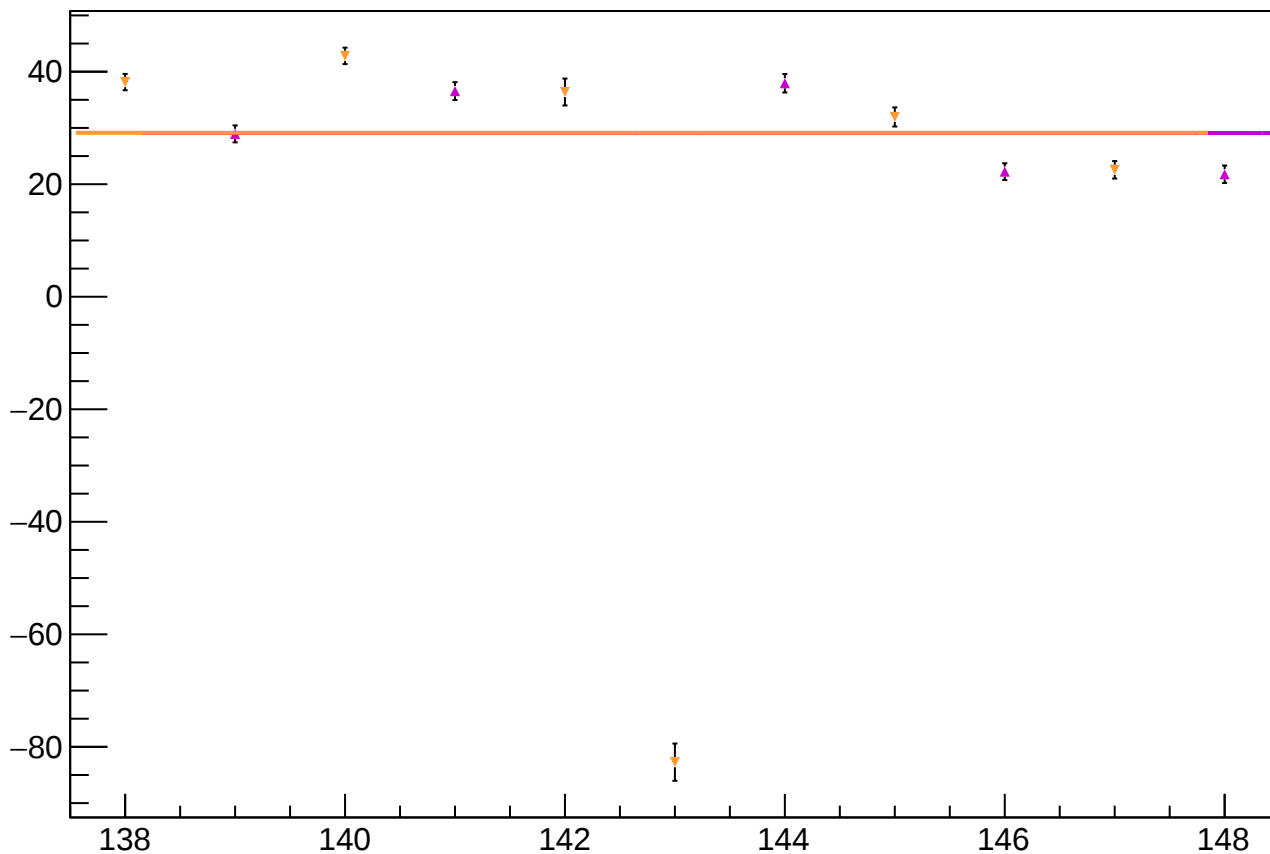
Right Out: 98.982 $\pm$ 0.068 χ^2/NDF : 172974.2/19

Left In: 133.981 $\pm$ 0.081 χ^2/NDF :5129.1/4

118.307 $\pm$ 0.054 χ^2/NDF : 243060.6/22

113.560 $\pm$ 0.052 χ^2/NDF : 286895.9/24

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 29.143+/-0.712 χ^2/NDF :1298.0/5

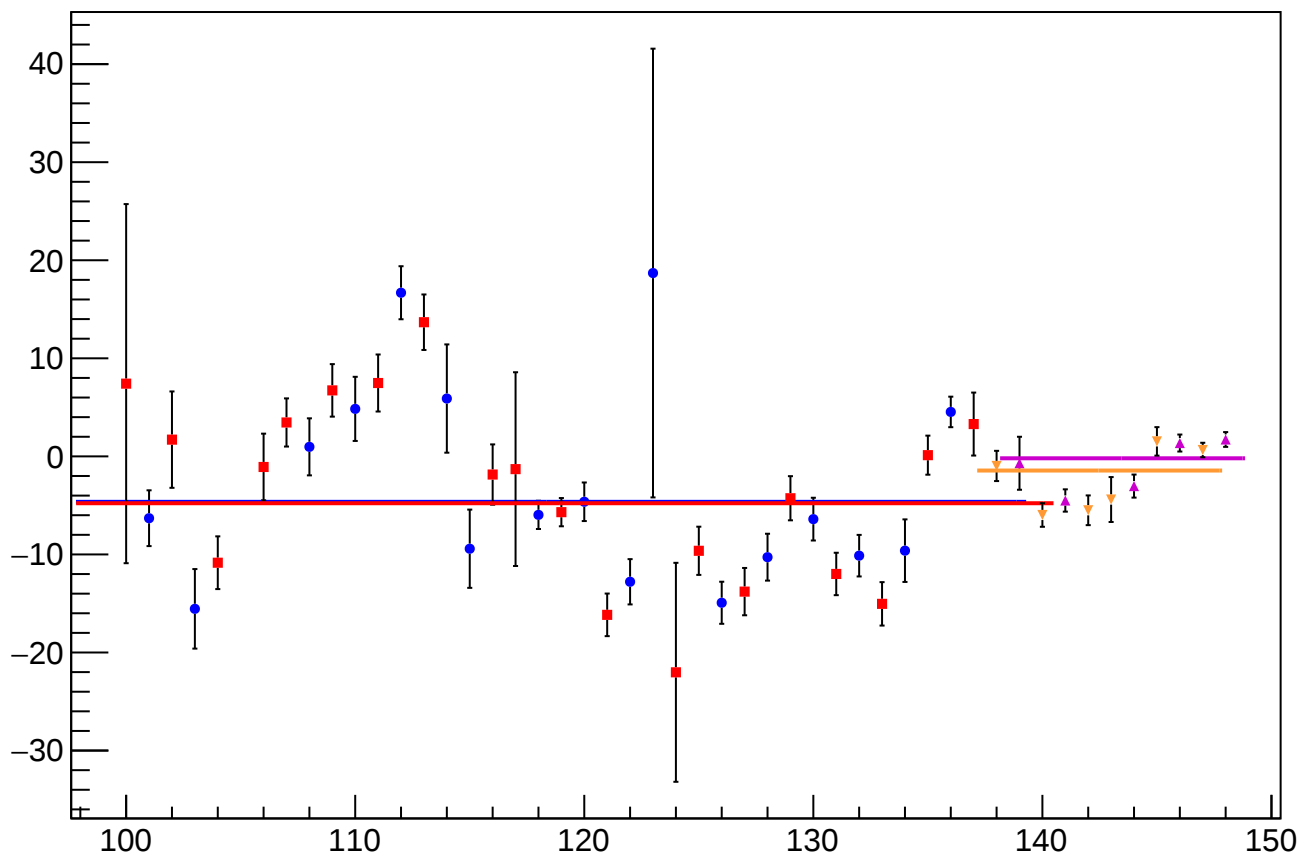
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 29.101+/-0.694 χ^2/NDF :94.7/4

29.143+/-0.712 χ^2/NDF : 1298.0/5

29.101+/-0.694 χ^2/NDF : 94.7/4

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -1.444 ± 0.497 χ^2/NDF : 35.3/5

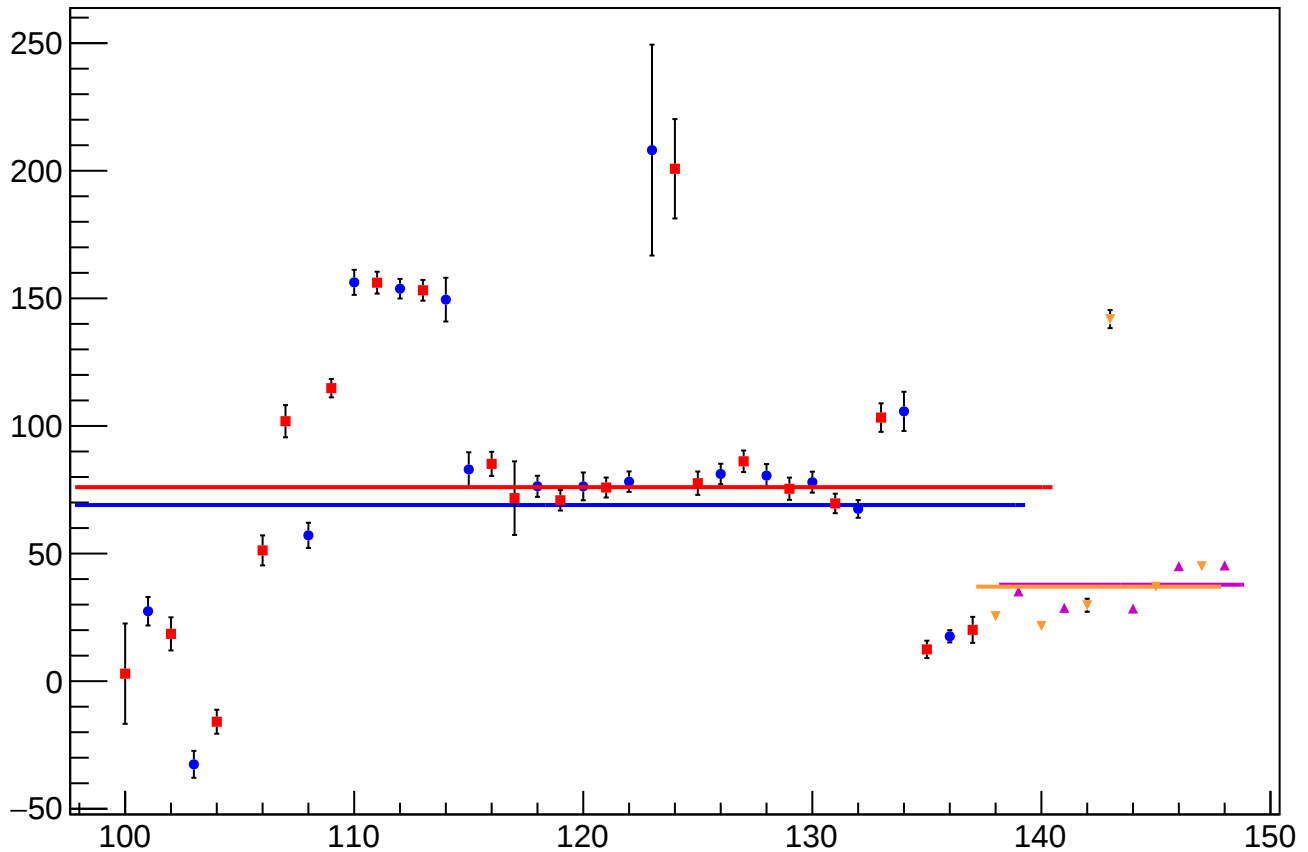
Right Out: -4.779 ± 0.583 χ^2/NDF : 192.7/19

Left In: -0.196 ± 0.460 χ^2/NDF : 29.8/4

-2.775 ± 0.379 χ^2/NDF : 227.0/22

-1.953 ± 0.361 χ^2/NDF : 260.5/24

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 37.039+/-0.736 χ^2/NDF :1070.9/5

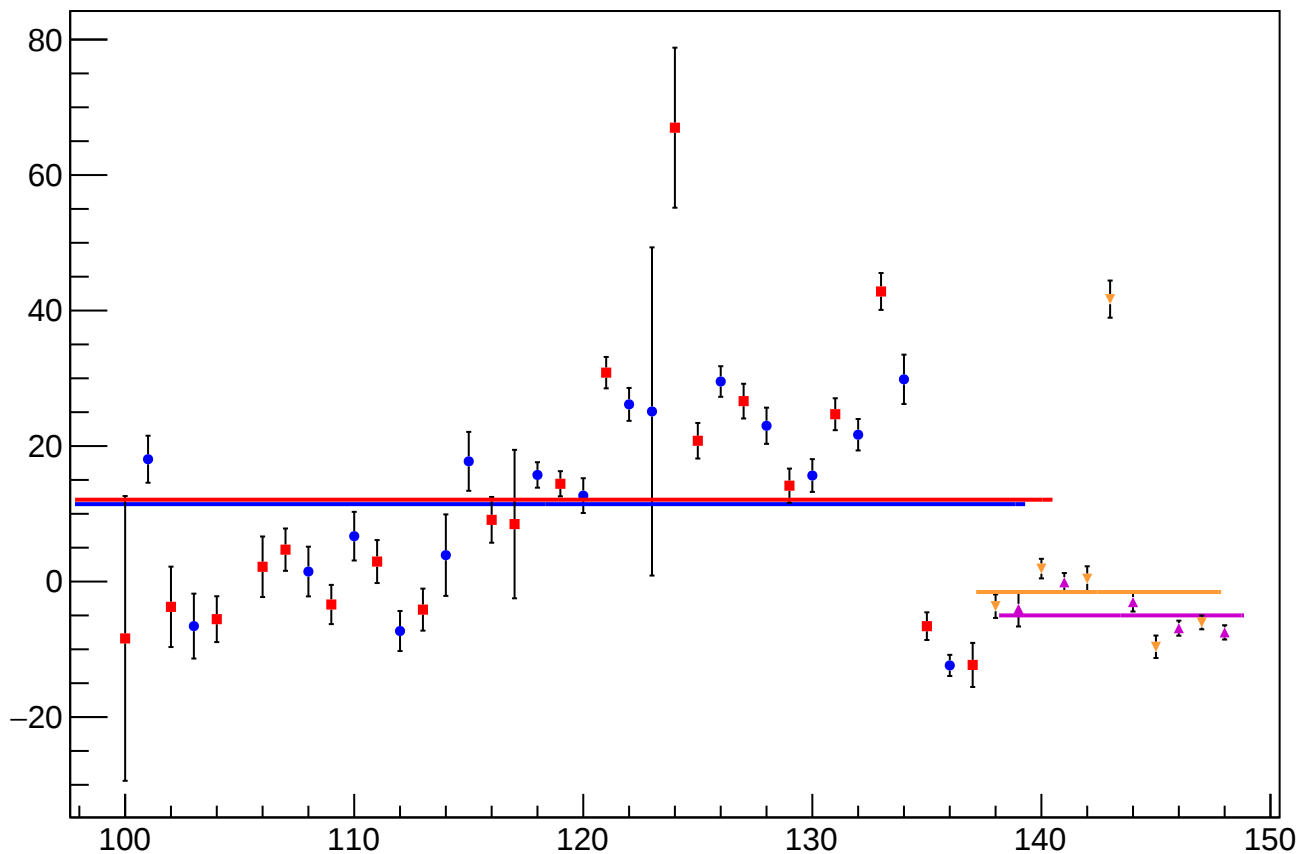
Right Out: 76.017+/-1.067 χ^2/NDF : 1882.0/19

Left In: 37.807+/-0.704 χ^2/NDF :112.8/4

47.144+/-0.609 χ^2/NDF : 3514.9/22

49.397+/-0.588 χ^2/NDF : 2888.4/24

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2/NDF : 476.8/16

Left Out: -1.542 $\pm$ 0.623 χ^2/NDF :300.0/5

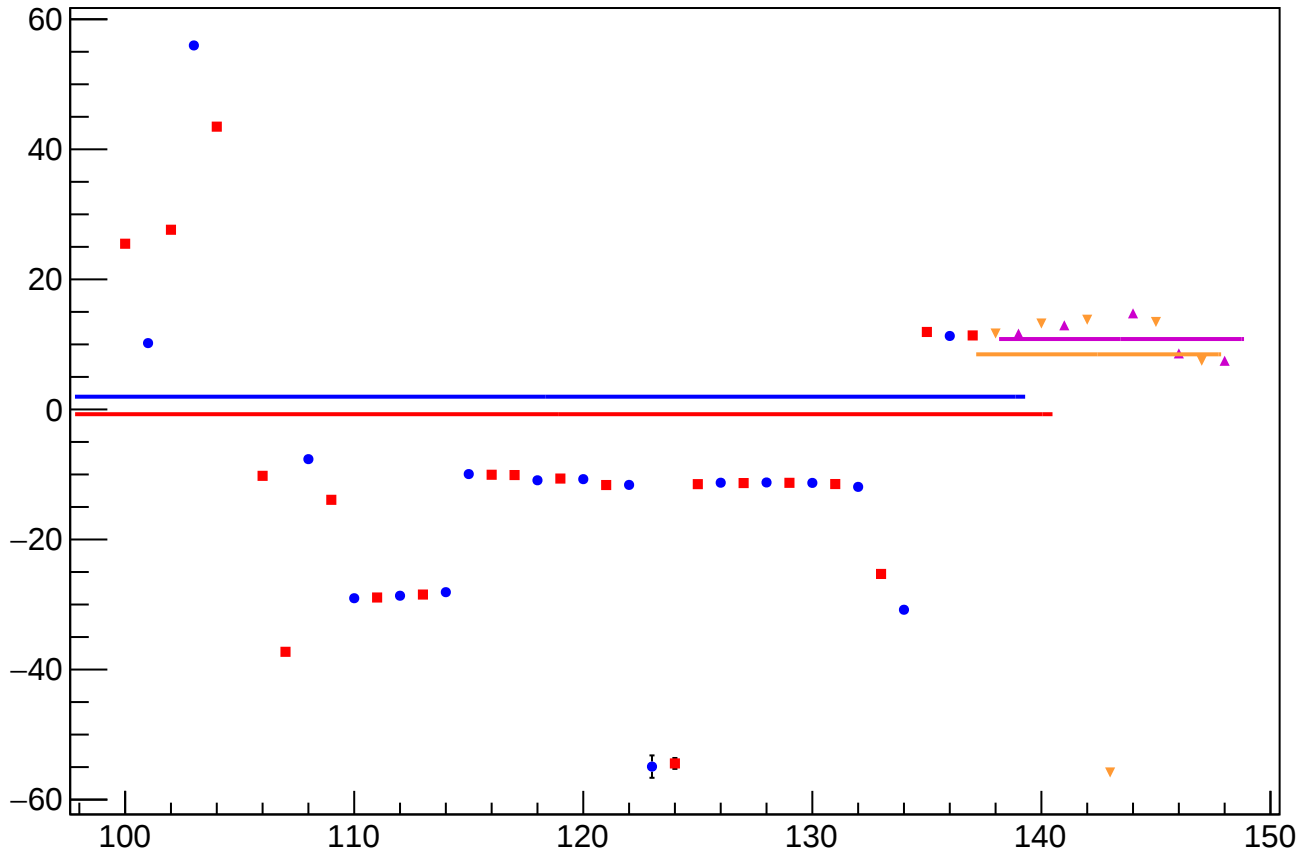
Right Out: 12.082 $\pm$ 0.663 χ^2/NDF : 539.2/19

Left In: -4.994 $\pm$ 0.586 χ^2/NDF :23.5/4

4.518 $\pm$ 0.455 χ^2/NDF : 979.1/22

2.500 $\pm$ 0.439 χ^2/NDF : 935.3/24

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 1.960+/-0.037 χ^2/NDF : 358457.0/16

Left Out: 8.474+/-0.031 χ^2/NDF : 221947.6/5

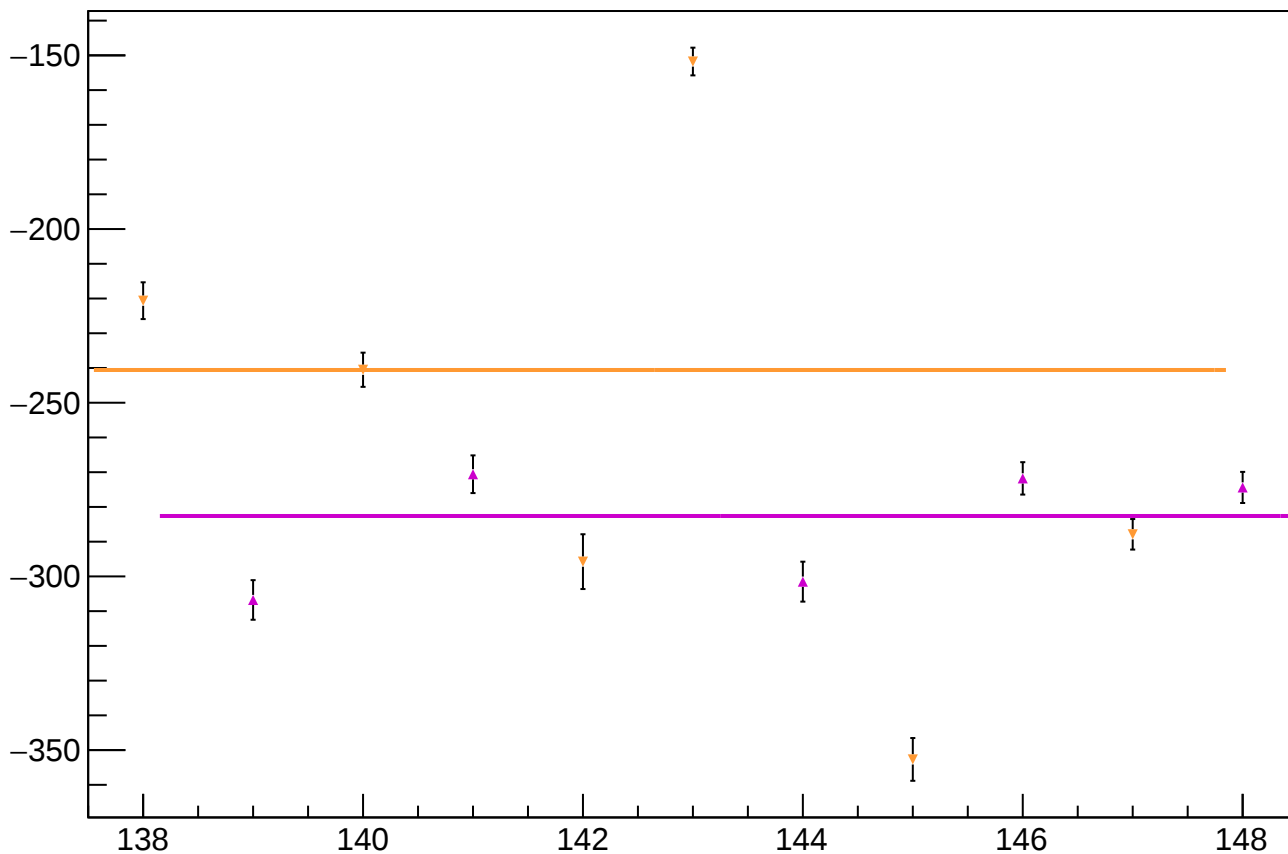
Right Out: -0.733+/-0.037 χ^2/NDF : 361368.4/19

Left In: 10.827+/-0.029 χ^2/NDF : 7846.2/4

5.816+/-0.024 χ^2/NDF : 598607.0/22

6.418+/-0.023 χ^2/NDF : 429395.9/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -240.575+/-2.067 χ^2/NDF :1006.1/5

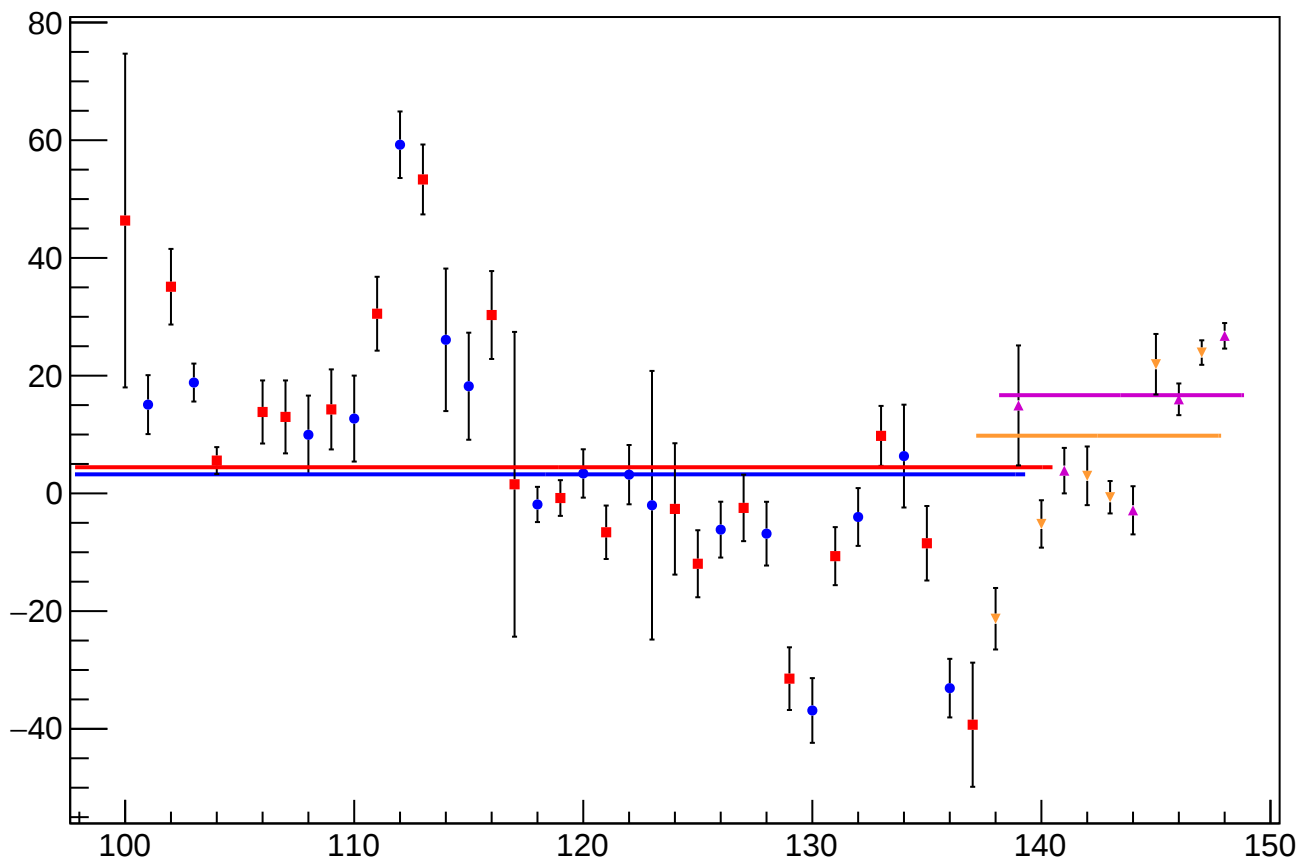
-240.575+/-2.067 χ^2/NDF : 1006.1/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -282.605+/-2.289 χ^2/NDF :42.5/4

-282.605+/-2.289 χ^2/NDF : 42.5/4

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 9.801 ± 1.362 χ^2/NDF : 117.1/5

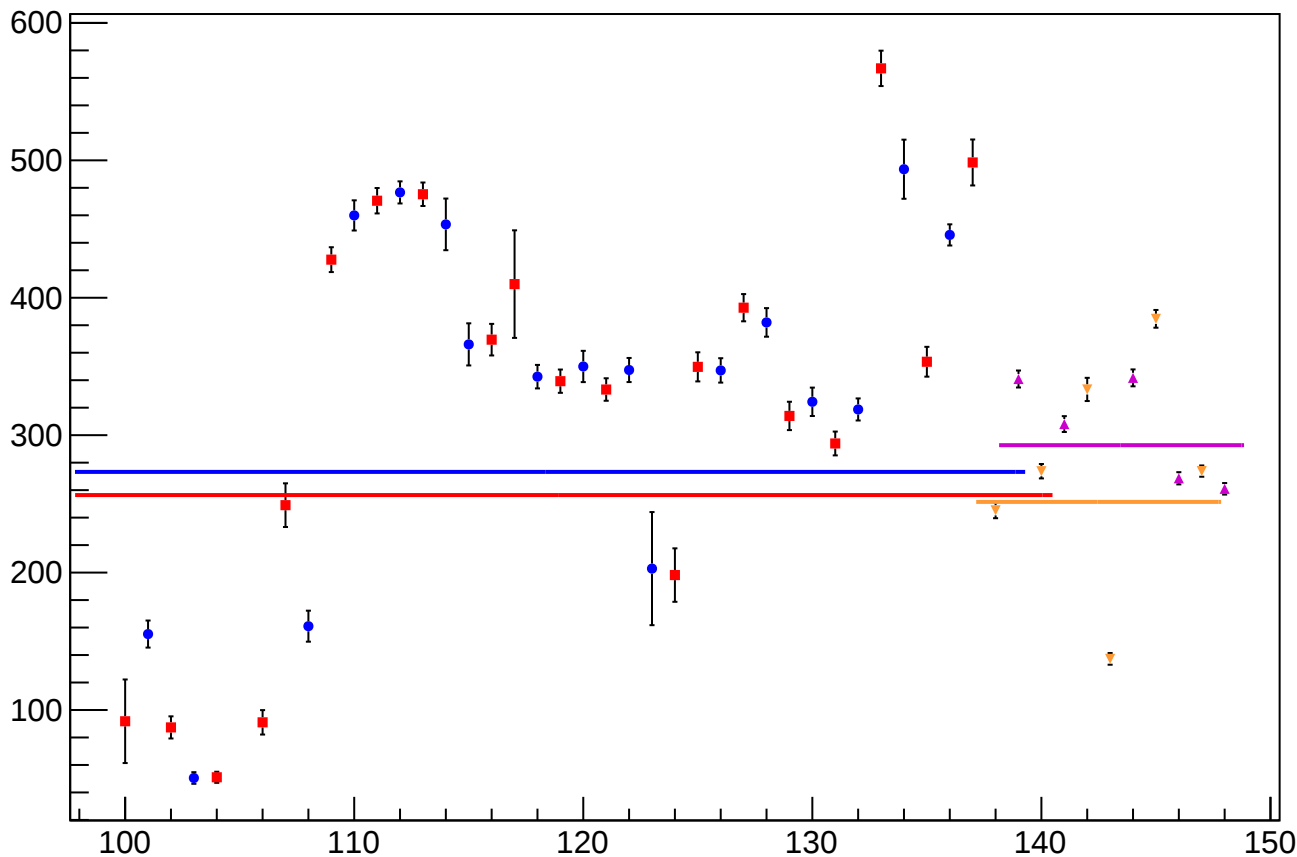
Right Out: 4.444 ± 1.156 χ^2/NDF : 225.8/19

Left In: 16.685 ± 1.433 χ^2/NDF : 55.5/4

6.221 ± 0.918 χ^2/NDF : 385.1/22

9.268 ± 0.900 χ^2/NDF : 325.5/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 $\pm$ 2.205 χ^2/NDF : 5101.5/16

Left Out: 251.445 $\pm$ 2.135 χ^2/NDF : 1288.6/5

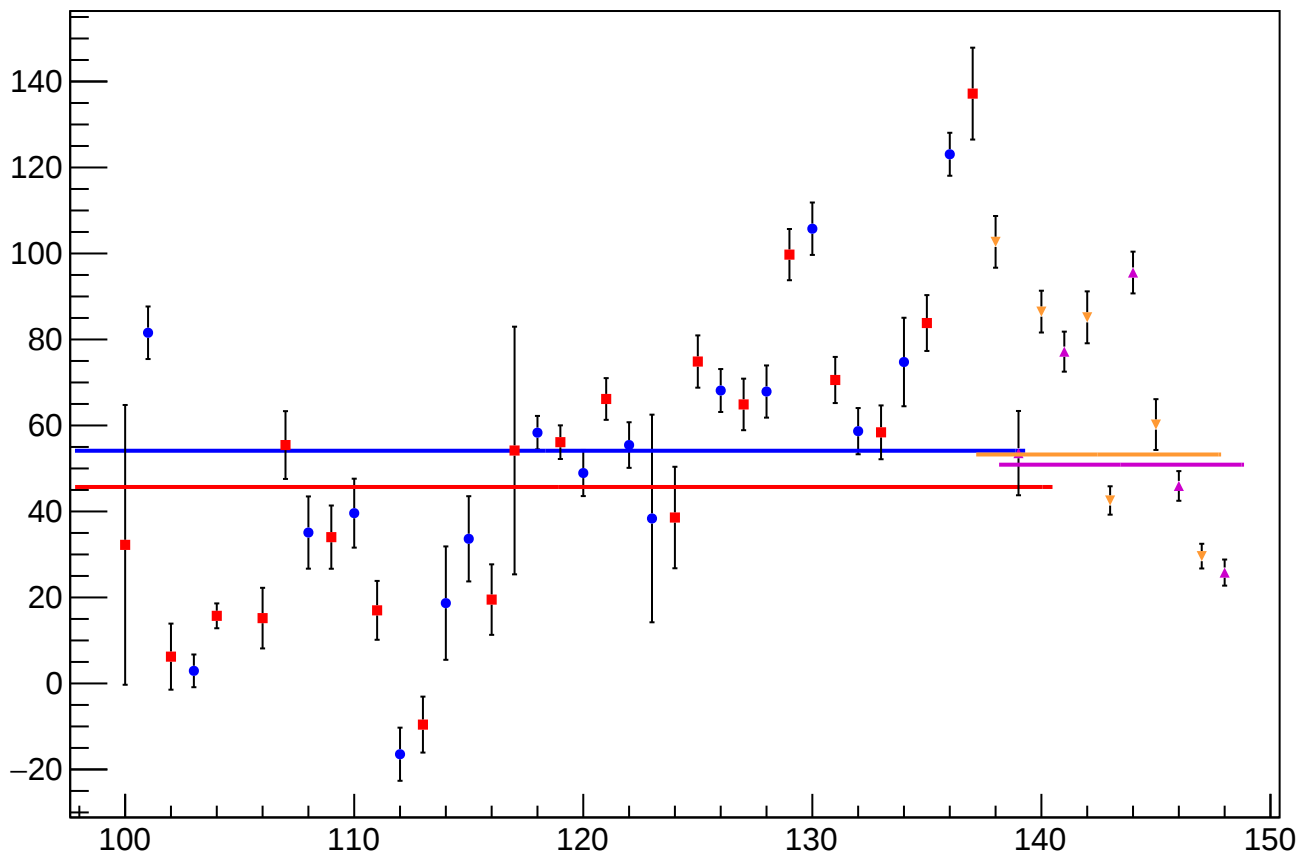
Right Out: 256.418 $\pm$ 2.077 χ^2/NDF : 6453.9/19

Left In: 292.716 $\pm$ 2.295 χ^2/NDF : 217.8/4

262.011 $\pm$ 1.534 χ^2/NDF : 6440.7/22

272.761 $\pm$ 1.540 χ^2/NDF : 6809.2/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119 ± 1.438 χ^2/NDF : 633.9/16

Left Out: 53.249 ± 1.718 χ^2/NDF : 221.9/5

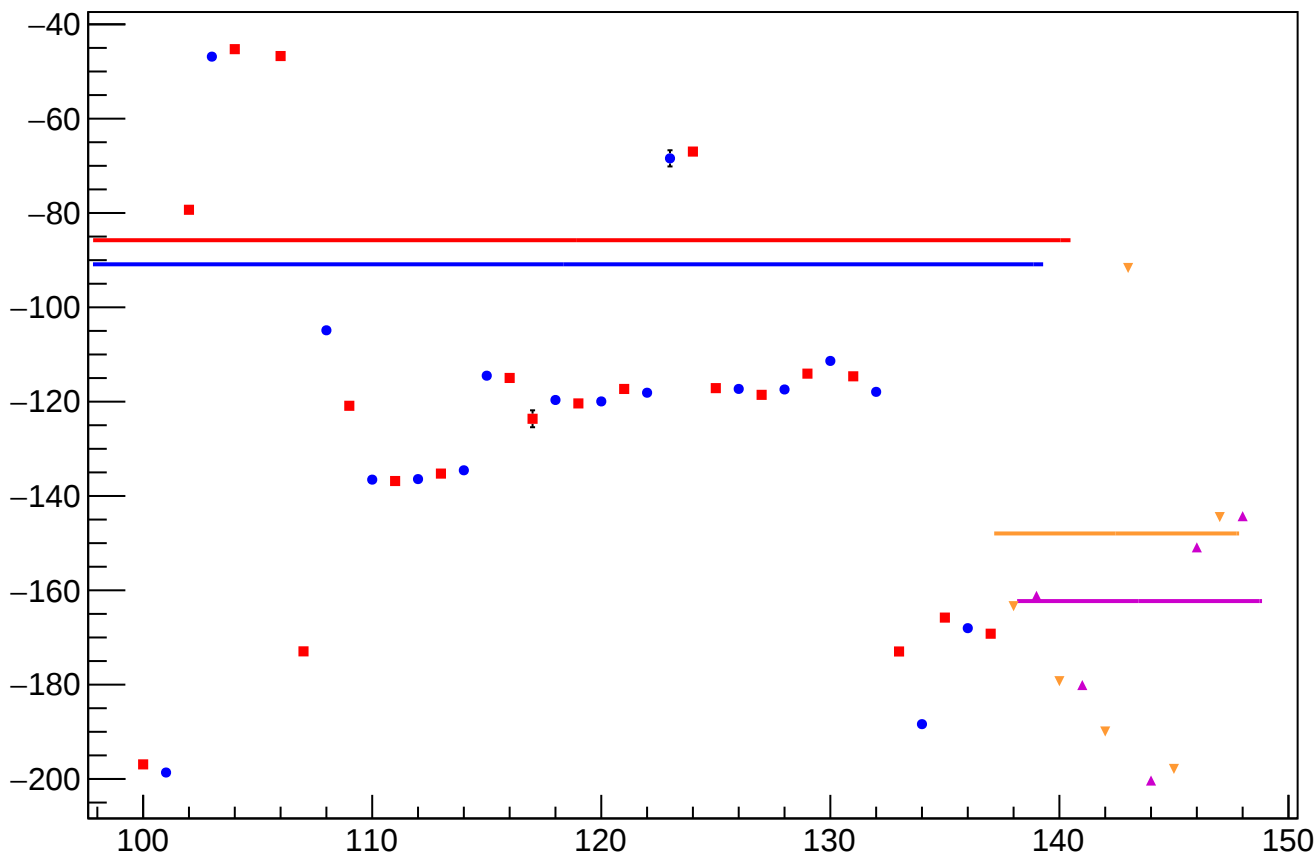
Right Out: 45.694 ± 1.356 χ^2/NDF : 531.1/19

Left In: 50.879 ± 1.853 χ^2/NDF : 187.0/4

53.761 ± 1.102 χ^2/NDF : 855.9/22

47.502 ± 1.094 χ^2/NDF : 723.2/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881 ± 0.068 χ^2/NDF : 533423.8/16

Left Out: -147.947 ± 0.090 χ^2/NDF : 185756.4/5

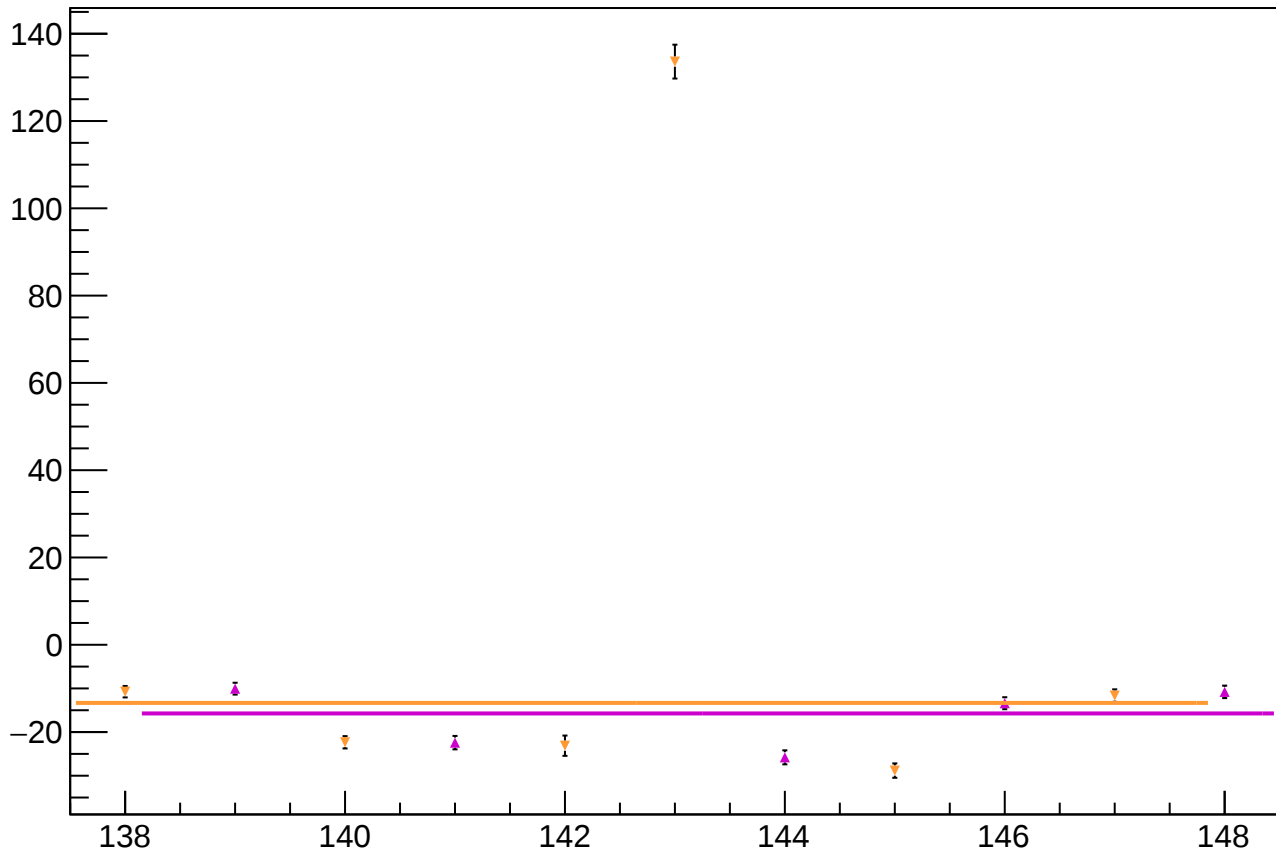
Right Out: -85.772 ± 0.065 χ^2/NDF : 494629.5/19

Left In: -162.282 ± 0.096 χ^2/NDF : 38859.9/4

-111.510 ± 0.054 χ^2/NDF : 975623.7/22

-109.758 ± 0.054 χ^2/NDF : 967555.7/24

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -13.320+/-0.676 χ^2/NDF :1585.7/5

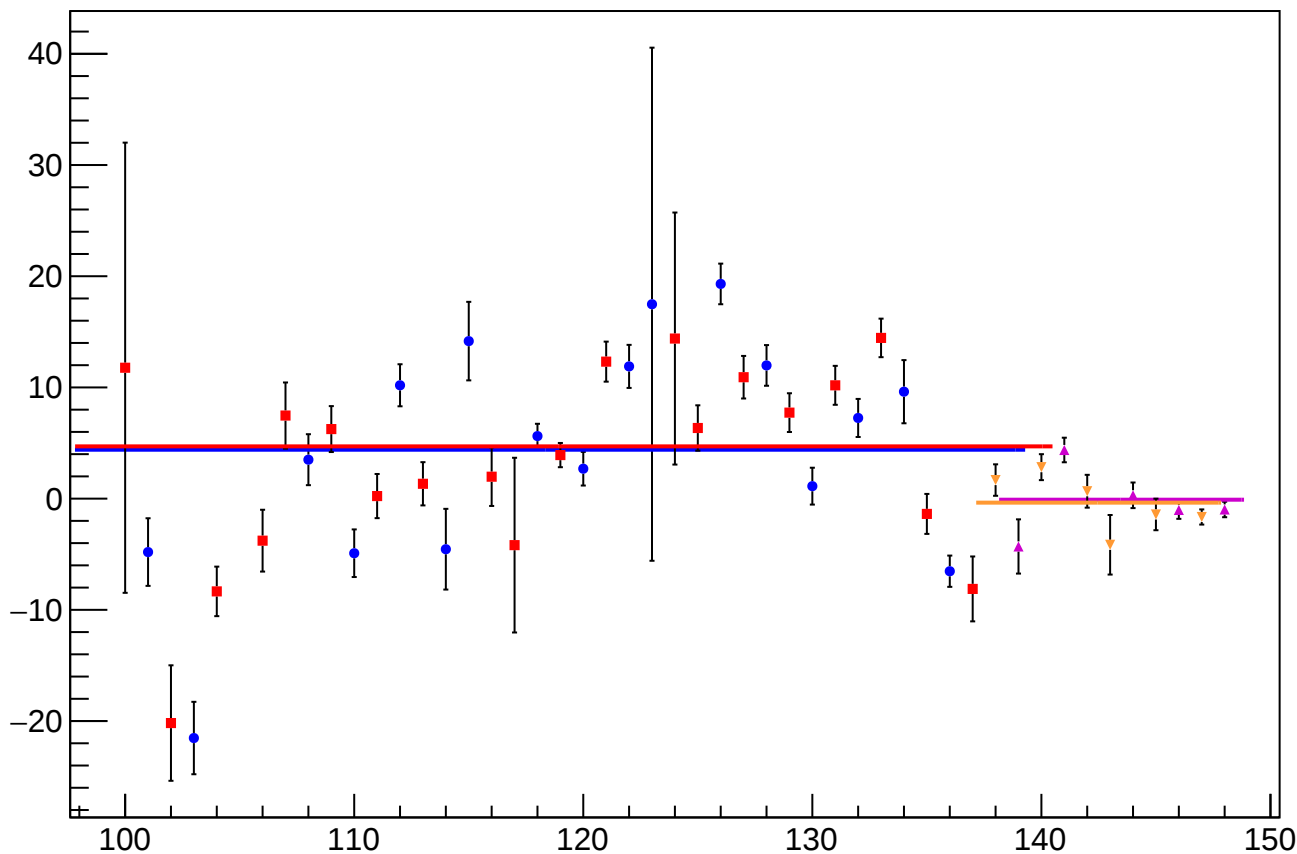
-13.320+/-0.676 χ^2/NDF : 1585.7/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -15.731+/-0.650 χ^2/NDF :90.2/4

-15.731+/-0.650 χ^2/NDF : 90.2/4

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: -0.360 ± 0.472 χ^2/NDF : 16.2/5

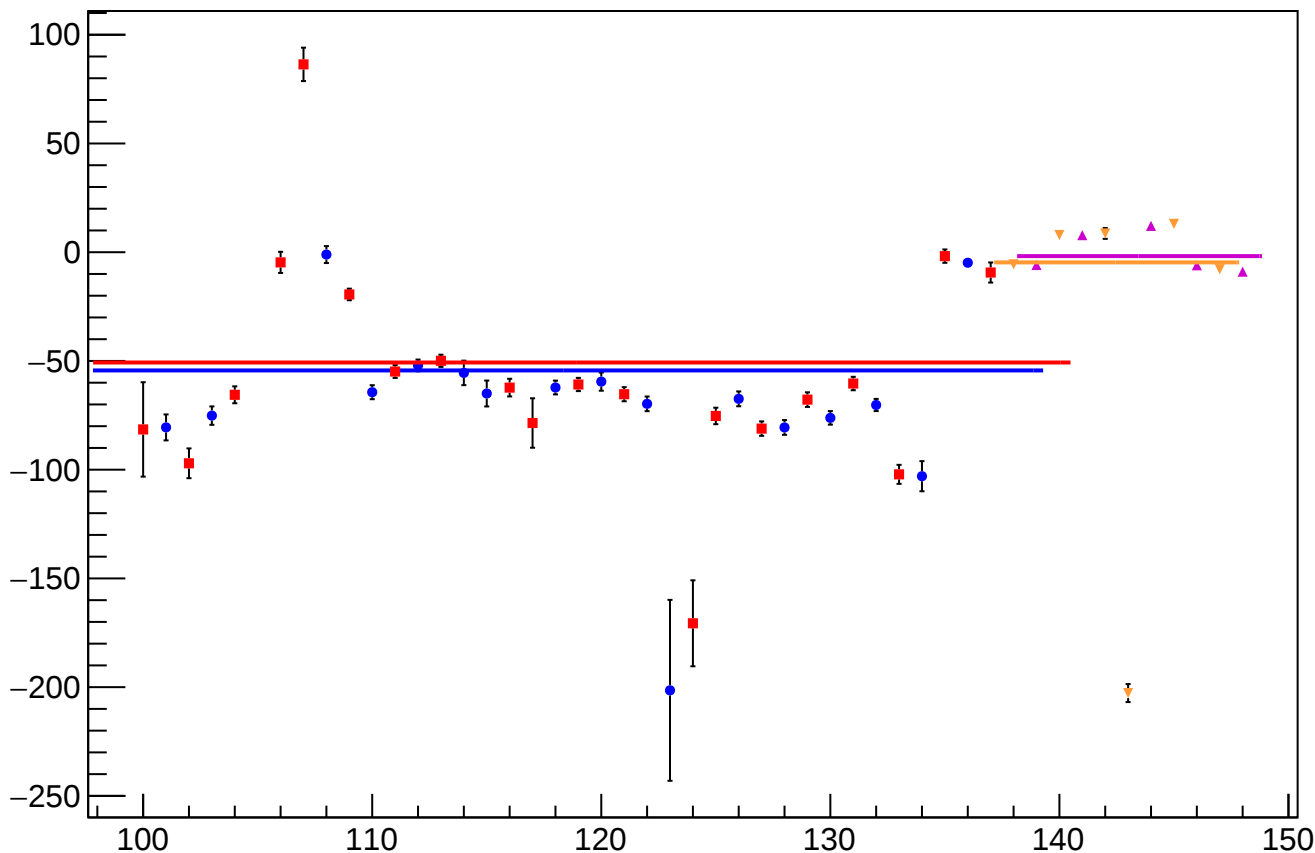
Right Out: 4.700 ± 0.472 χ^2/NDF : 184.2/19

Left In: -0.096 ± 0.431 χ^2/NDF : 22.4/4

2.026 ± 0.334 χ^2/NDF : 353.9/22

2.086 ± 0.319 χ^2/NDF : 262.8/24

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: -4.680 ± 0.698 χ^2/NDF : 2496.7/5

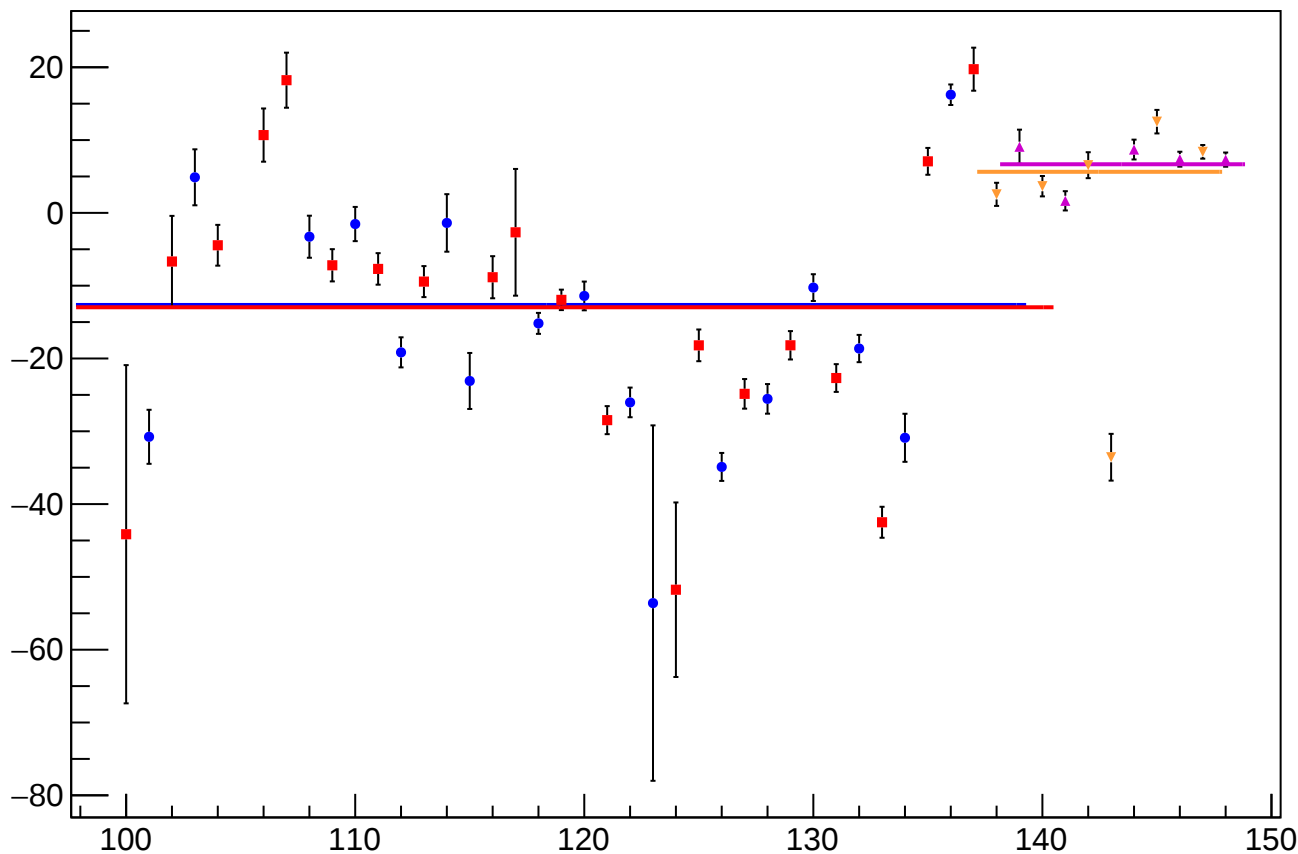
Right Out: -50.712 ± 0.855 χ^2/NDF : 1327.3/19

Left In: -1.794 ± 0.658 χ^2/NDF : 146.4/4

-24.191 ± 0.544 χ^2/NDF : 5499.0/22

-19.997 ± 0.522 χ^2/NDF : 3528.6/24

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 5.642 ± 0.594 χ^2/NDF : 181.7/5

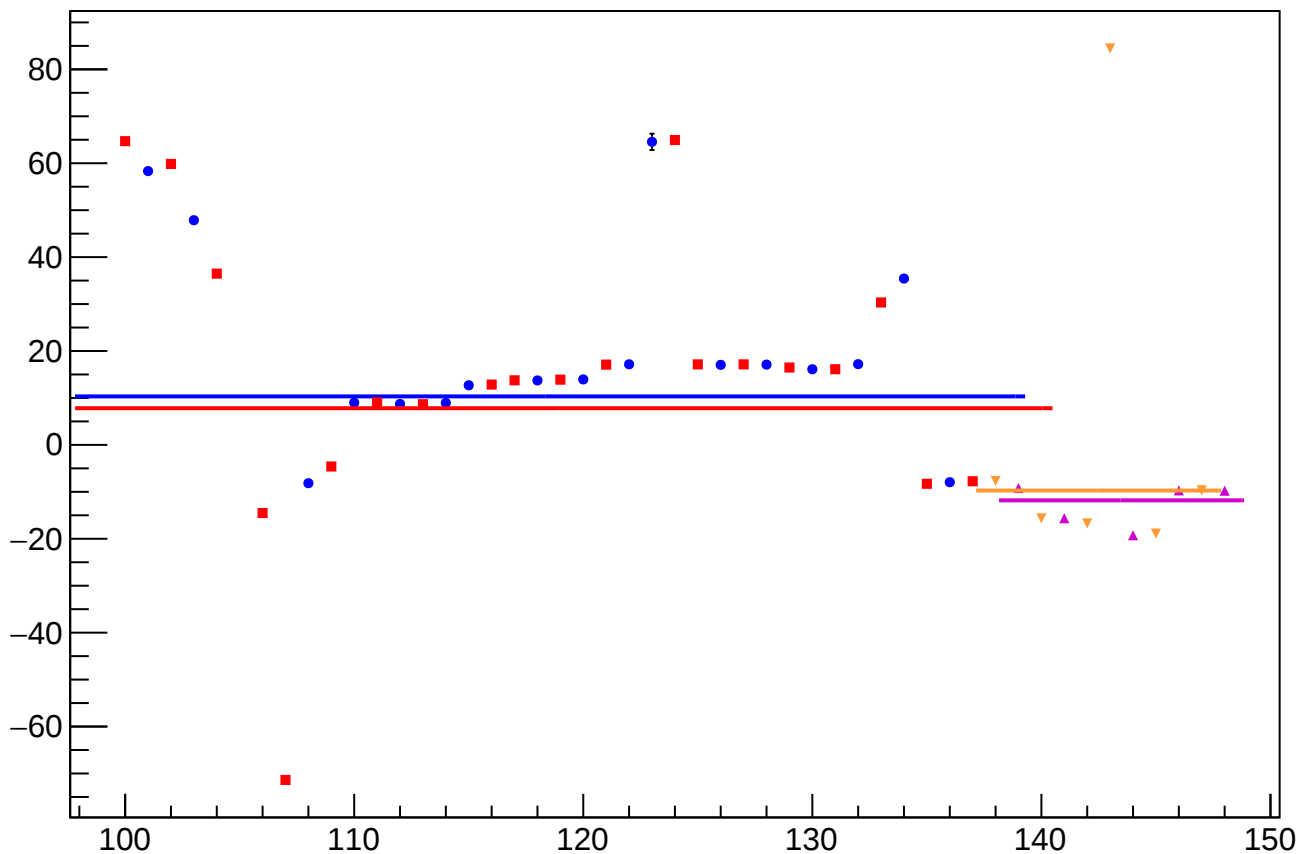
Right Out: -12.965 ± 0.536 χ^2/NDF : 722.8/19

Left In: 6.678 ± 0.551 χ^2/NDF : 18.5/4

-4.432 ± 0.398 χ^2/NDF : 1492.7/22

-3.397 ± 0.384 χ^2/NDF : 1394.3/24

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330 ± 0.031 $\chi^2/\text{NDF}: 380857.1/16$

Left Out: -9.720 ± 0.029 $\chi^2/\text{NDF}: 354315.1/5$

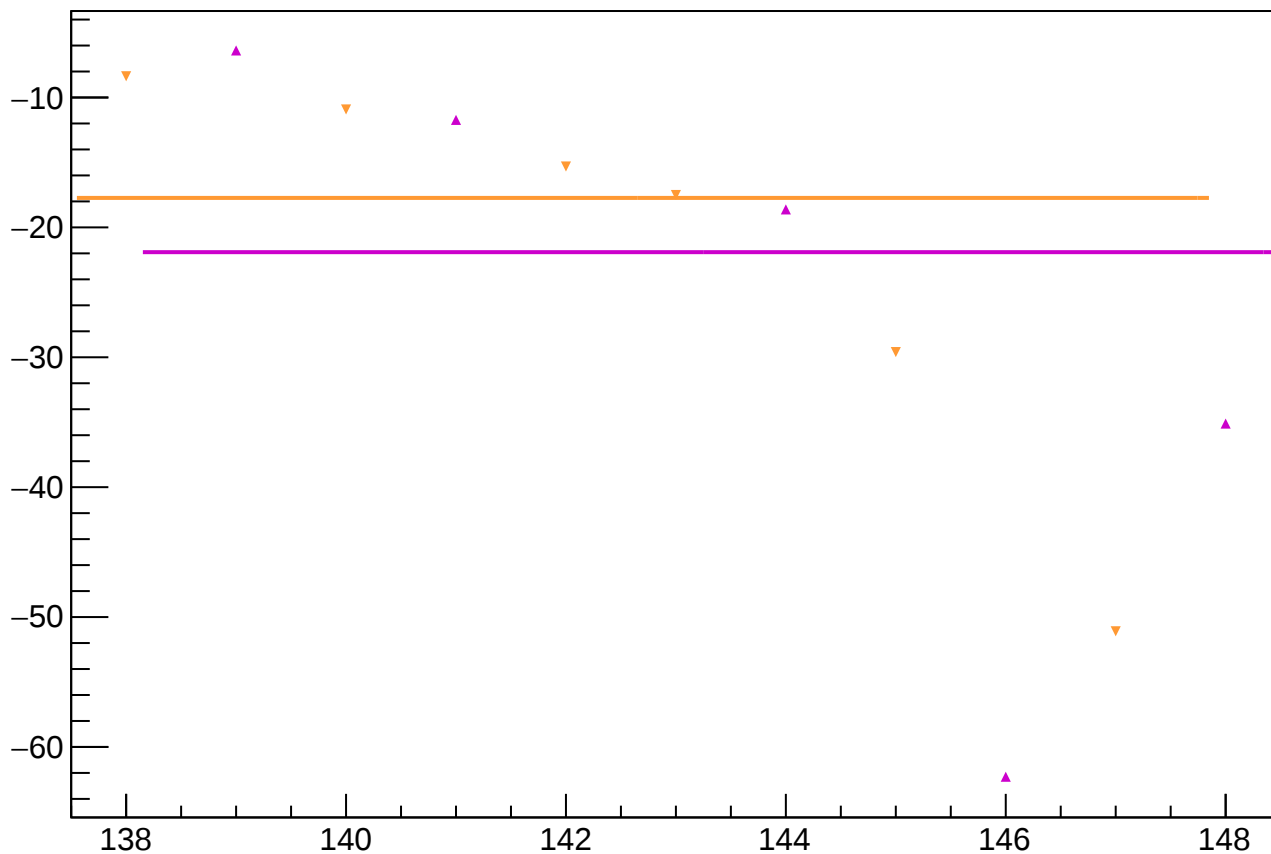
Right Out: 7.808 ± 0.031 $\chi^2/\text{NDF}: 544249.7/19$

Left In: -11.819 ± 0.027 $\chi^2/\text{NDF}: 18206.9/4$

-0.178 ± 0.021 $\chi^2/\text{NDF}: 959057.6/22$

-3.382 ± 0.020 $\chi^2/\text{NDF}: 787358.7/24$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -17.731+/-0.113 χ^2/NDF : 13600.6/5

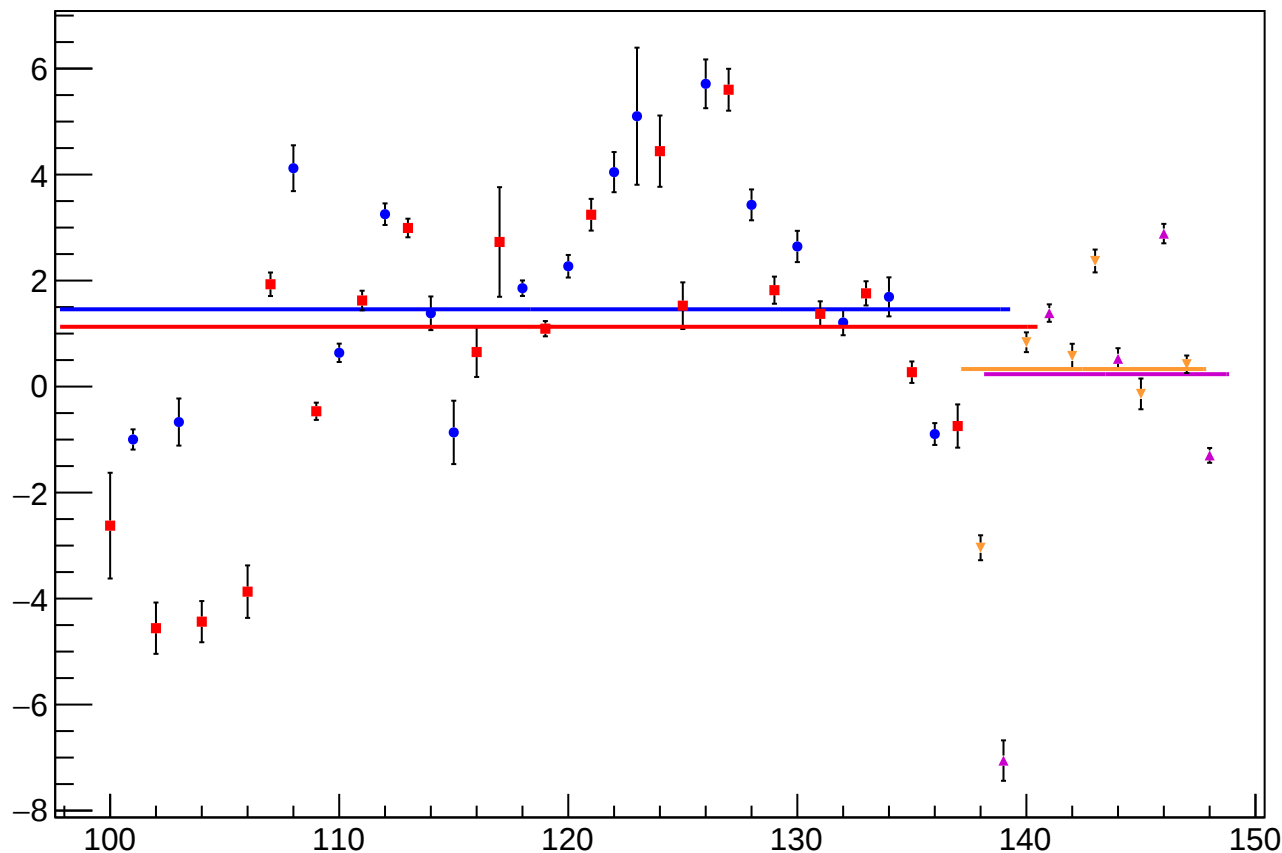
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -21.908+/-0.114 χ^2/NDF : 26176.3/4

-17.731+/-0.113 χ^2/NDF : 13600.6/5

-21.908+/-0.114 χ^2/NDF : 26176.3/4

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 0.331 ± 0.086 χ^2/NDF : 306.1/5

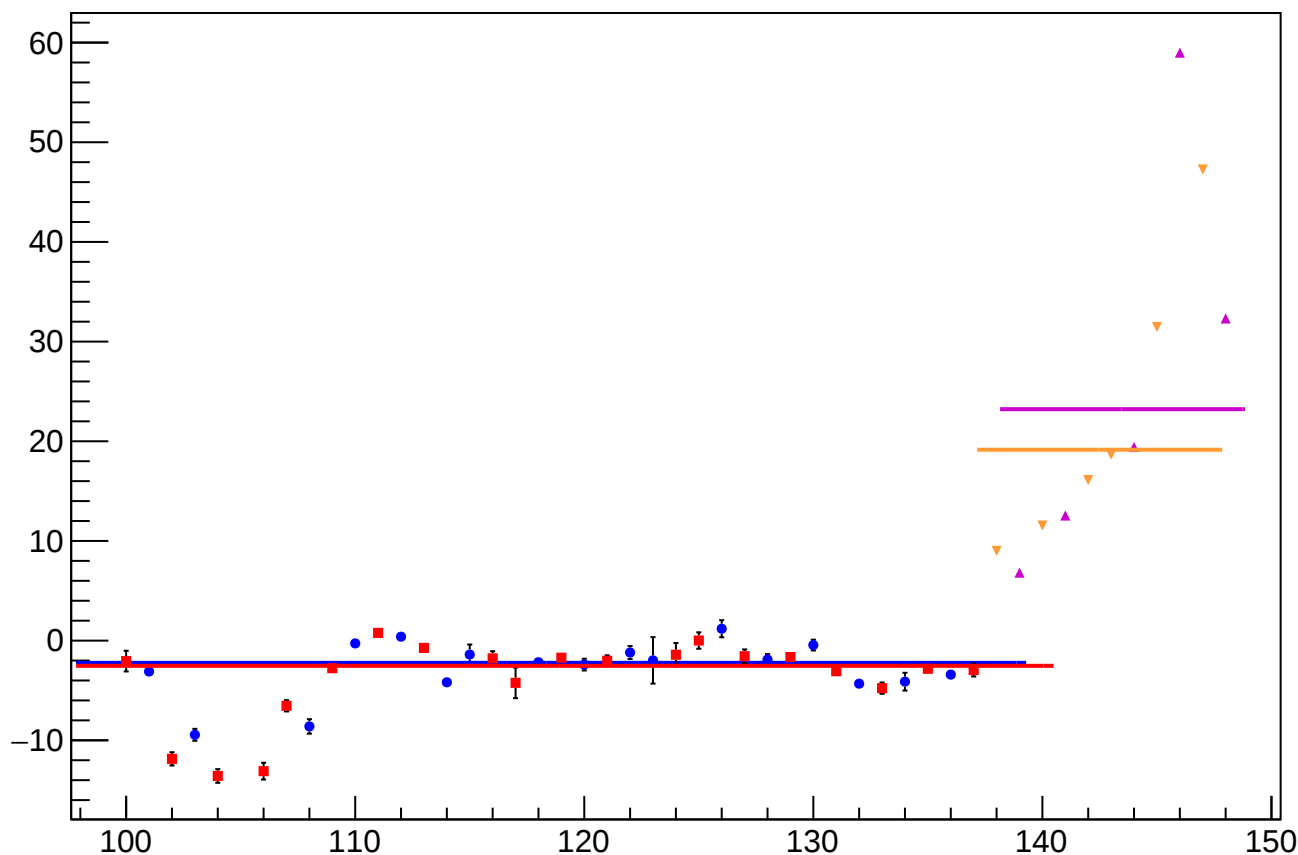
Right Out: 1.128 ± 0.058 χ^2/NDF : 949.8/19

Left In: 0.234 ± 0.082 χ^2/NDF : 745.5/4

1.072 ± 0.050 χ^2/NDF : 1117.8/22

0.828 ± 0.047 χ^2/NDF : 1775.0/24

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 19.151 ± 0.119 χ^2/NDF : 11918.7/5

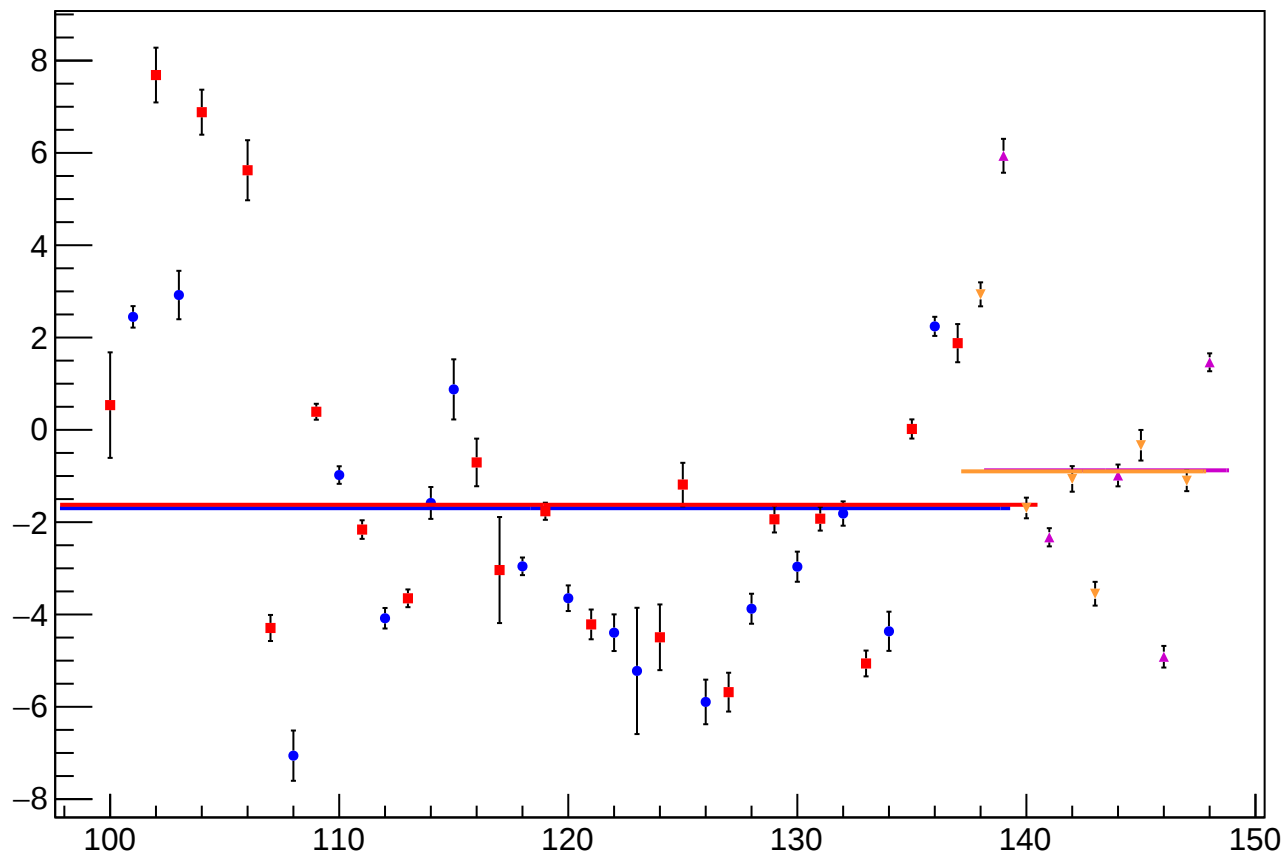
Right Out: -2.527 ± 0.099 χ^2/NDF : 905.2/19

Left In: 23.221 ± 0.118 χ^2/NDF : 22527.6/4

7.739 ± 0.081 χ^2/NDF : 29590.5/22

8.119 ± 0.076 χ^2/NDF : 51529.6/24

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -0.899 ± 0.104 χ^2/NDF : 340.7/5

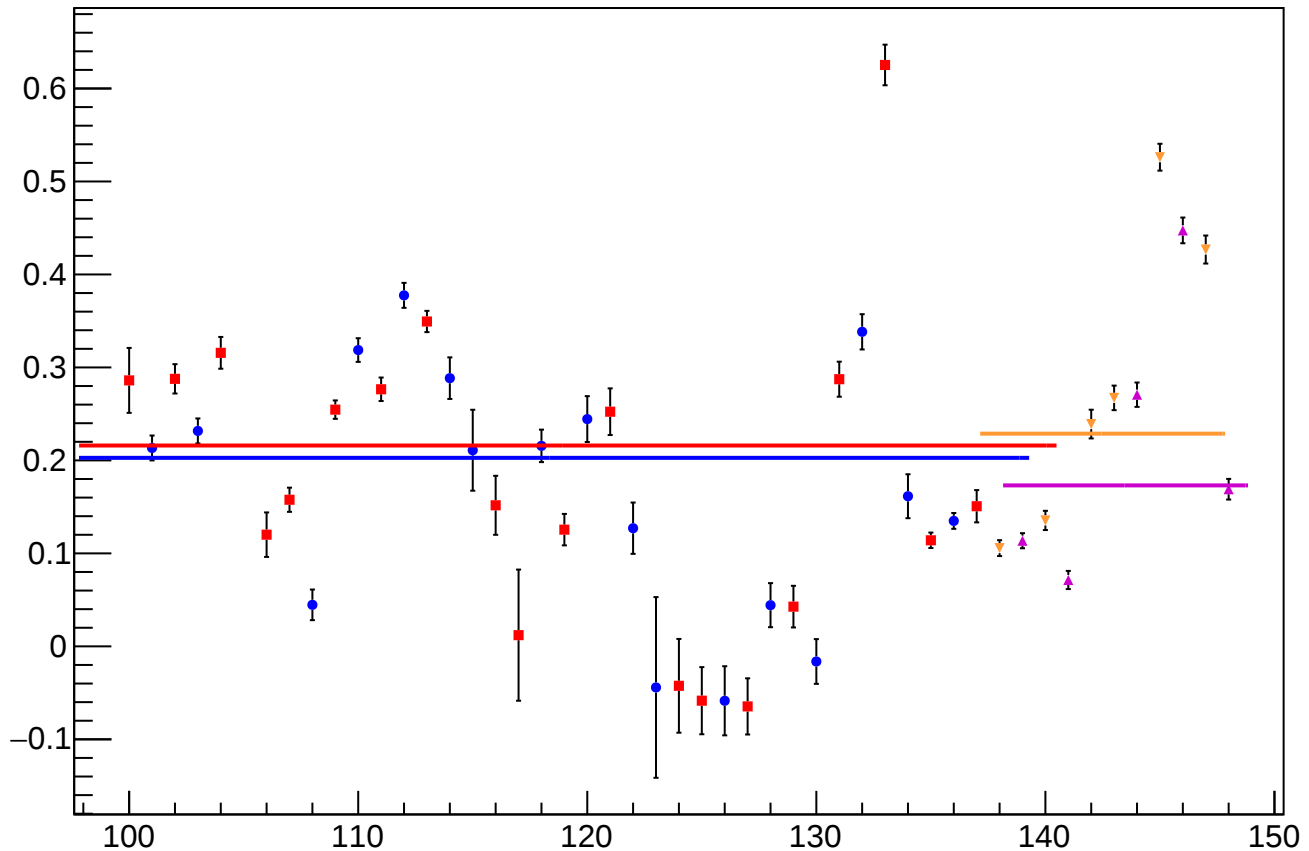
Right Out: -1.623 ± 0.066 χ^2/NDF : 1490.8/19

Left In: -0.877 ± 0.102 χ^2/NDF : 841.6/4

-1.444 ± 0.059 χ^2/NDF : 1700.0/22

-1.405 ± 0.055 χ^2/NDF : 2370.1/24

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.229 ± 0.005 χ^2/NDF : 894.3/5

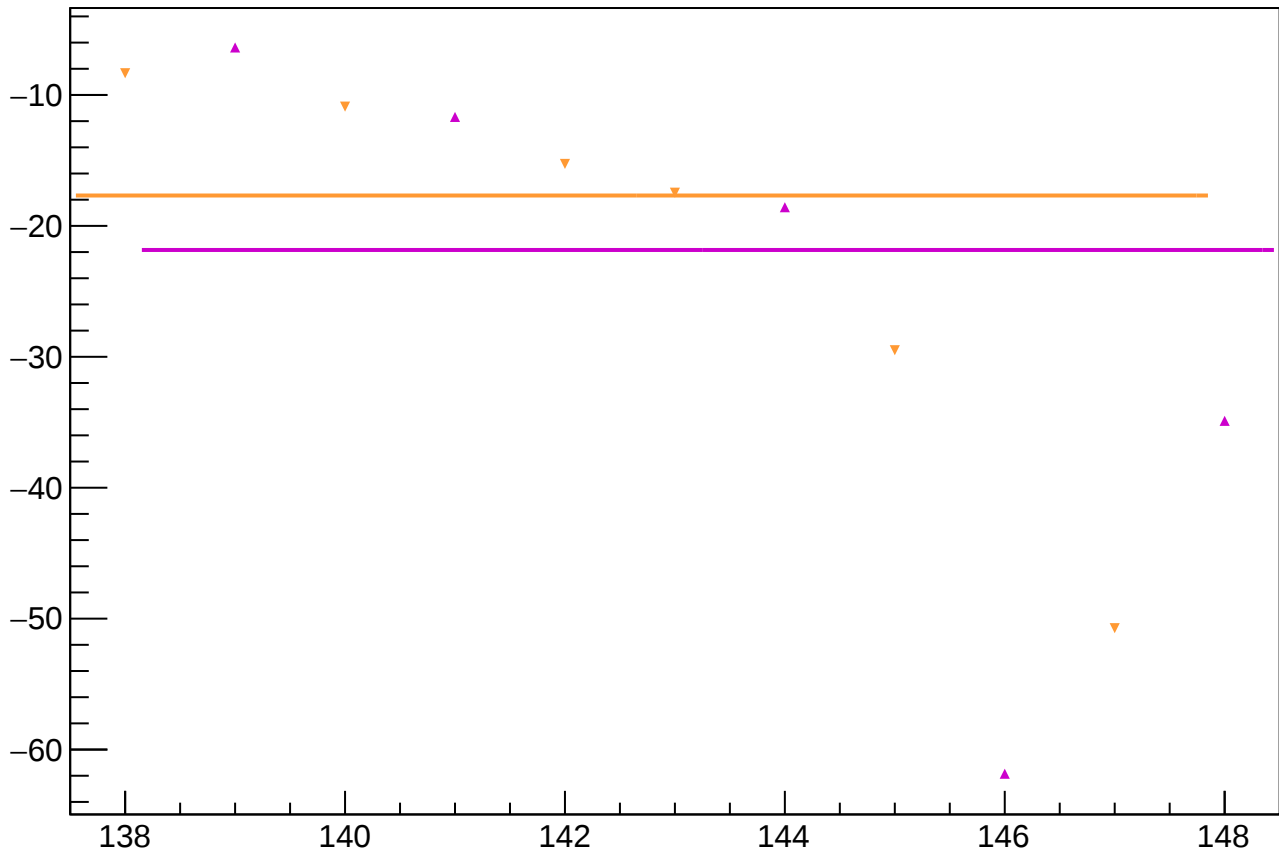
Right Out: 0.216 ± 0.004 χ^2/NDF : 1072.8/19

Left In: 0.173 ± 0.005 χ^2/NDF : 611.2/4

0.214 ± 0.003 χ^2/NDF : 1587.3/22

0.200 ± 0.003 χ^2/NDF : 1735.2/24

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -17.679+/-0.112 χ^2/NDF : 13576.3/5

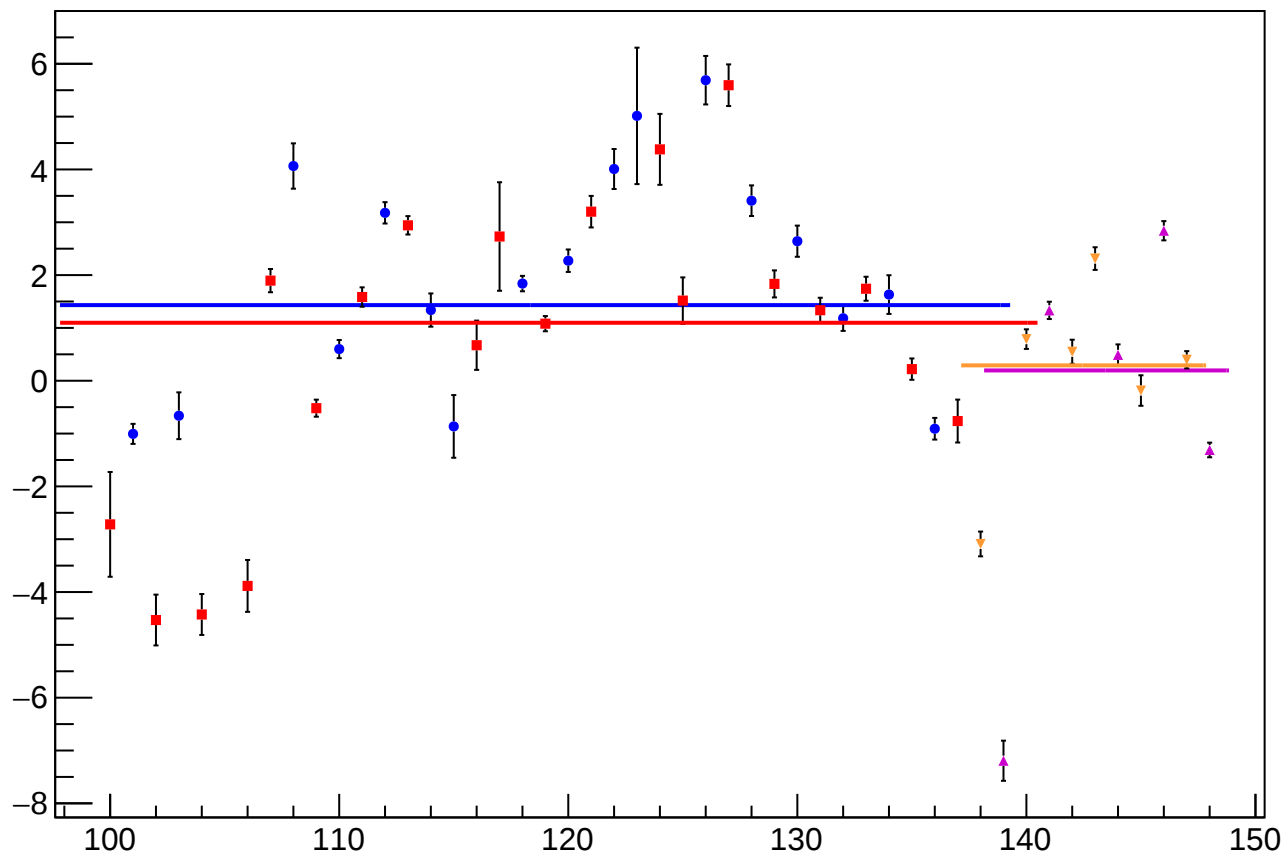
-17.679+/-0.112 χ^2/NDF : 13576.3/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -21.840+/-0.114 χ^2/NDF : 26106.5/4

-21.840+/-0.114 χ^2/NDF : 26106.5/4

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 0.291 ± 0.085 χ^2/NDF : 308.5/5

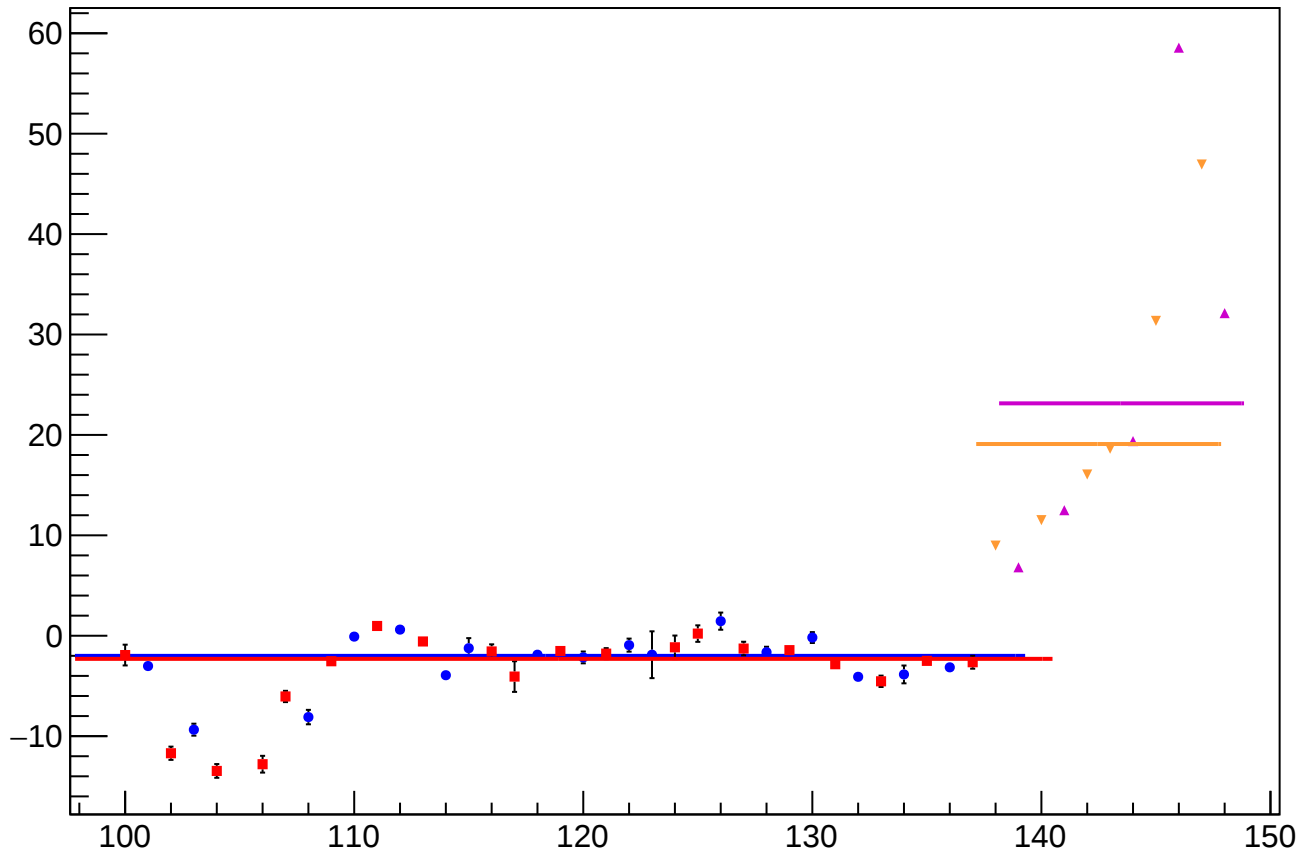
Right Out: 1.098 ± 0.058 χ^2/NDF : 955.7/19

Left In: 0.195 ± 0.081 χ^2/NDF : 757.3/4

1.040 ± 0.050 χ^2/NDF : 1122.6/22

0.794 ± 0.047 χ^2/NDF : 1795.0/24

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 19.094 ± 0.118 χ^2/NDF : 11890.8/5

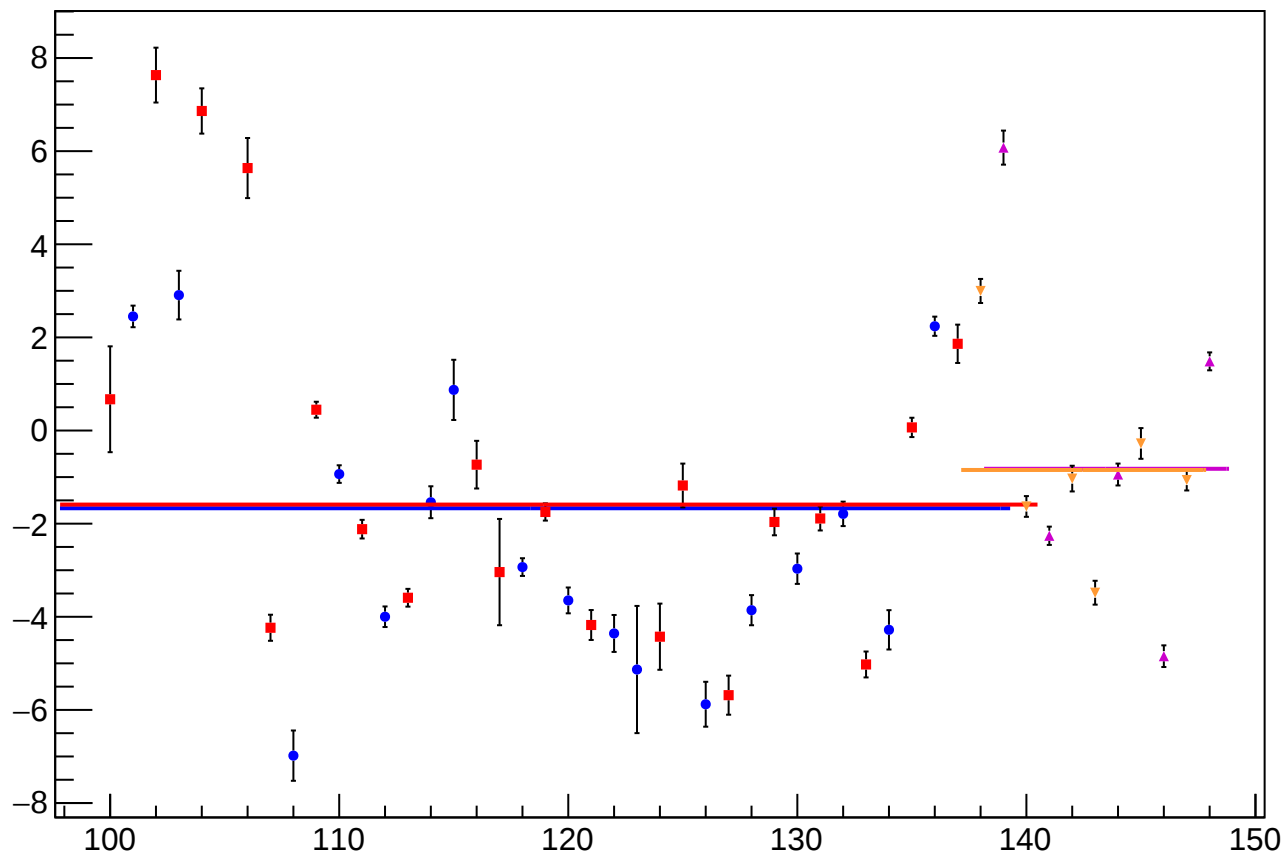
Right Out: -2.302 ± 0.098 χ^2/NDF : 908.6/19

Left In: 23.143 ± 0.117 χ^2/NDF : 22454.3/4

7.831 ± 0.081 χ^2/NDF : 29283.4/22

8.221 ± 0.075 χ^2/NDF : 51099.9/24

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 $\pm$ 0.071 χ^2 /NDF: 1314.9/16

Left Out: -0.847 $\pm$ 0.104 χ^2 /NDF:343.5/5

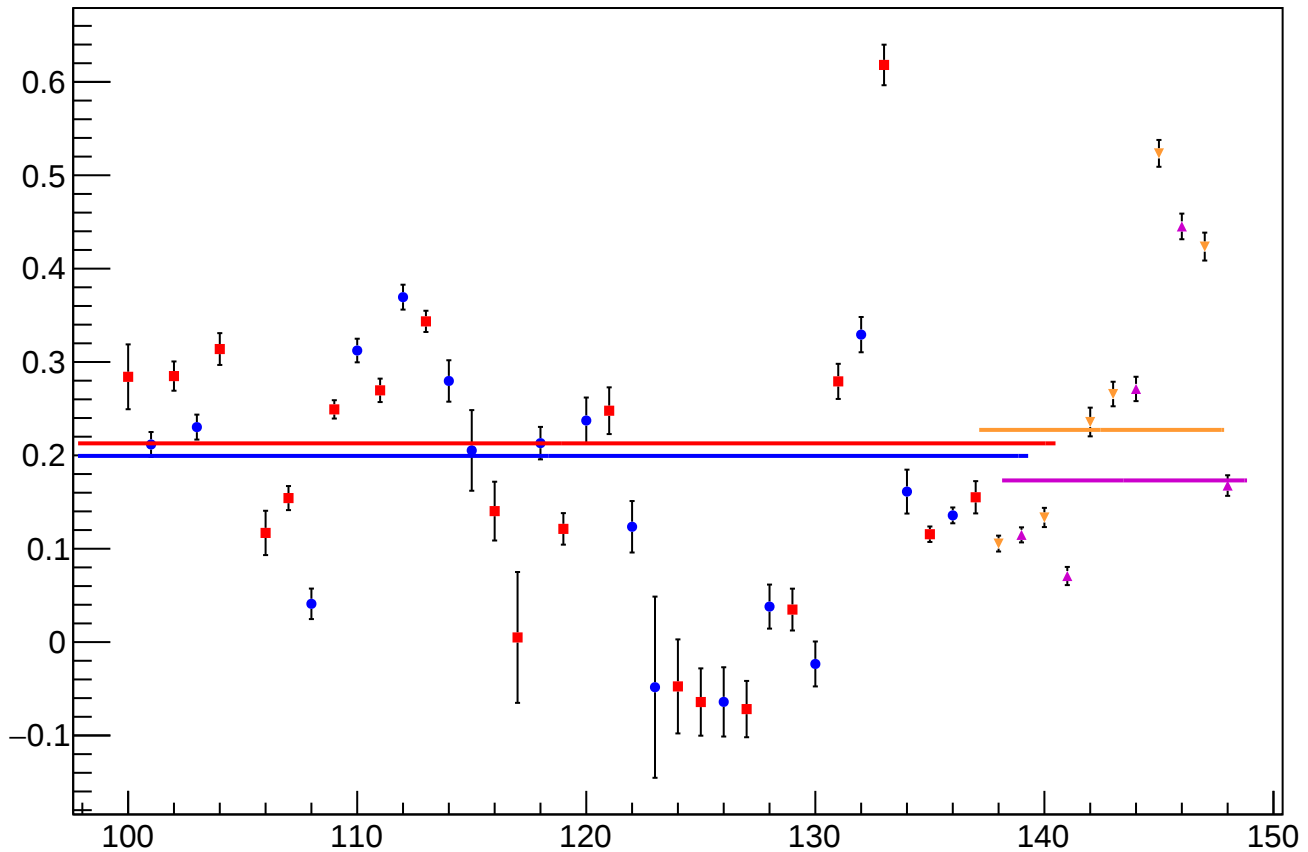
Right Out: -1.590 $\pm$ 0.065 χ^2 /NDF: 1496.3/19

Left In: -0.822 $\pm$ 0.102 χ^2 /NDF:853.1/4

-1.409 $\pm$ 0.058 χ^2 /NDF: 1701.2/22

-1.365 $\pm$ 0.055 χ^2 /NDF: 2390.0/24

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 ± 0.004 $\chi^2/\text{NDF}: 662.1/16$

Left Out: 0.227 ± 0.005 $\chi^2/\text{NDF}: 893.3/5$

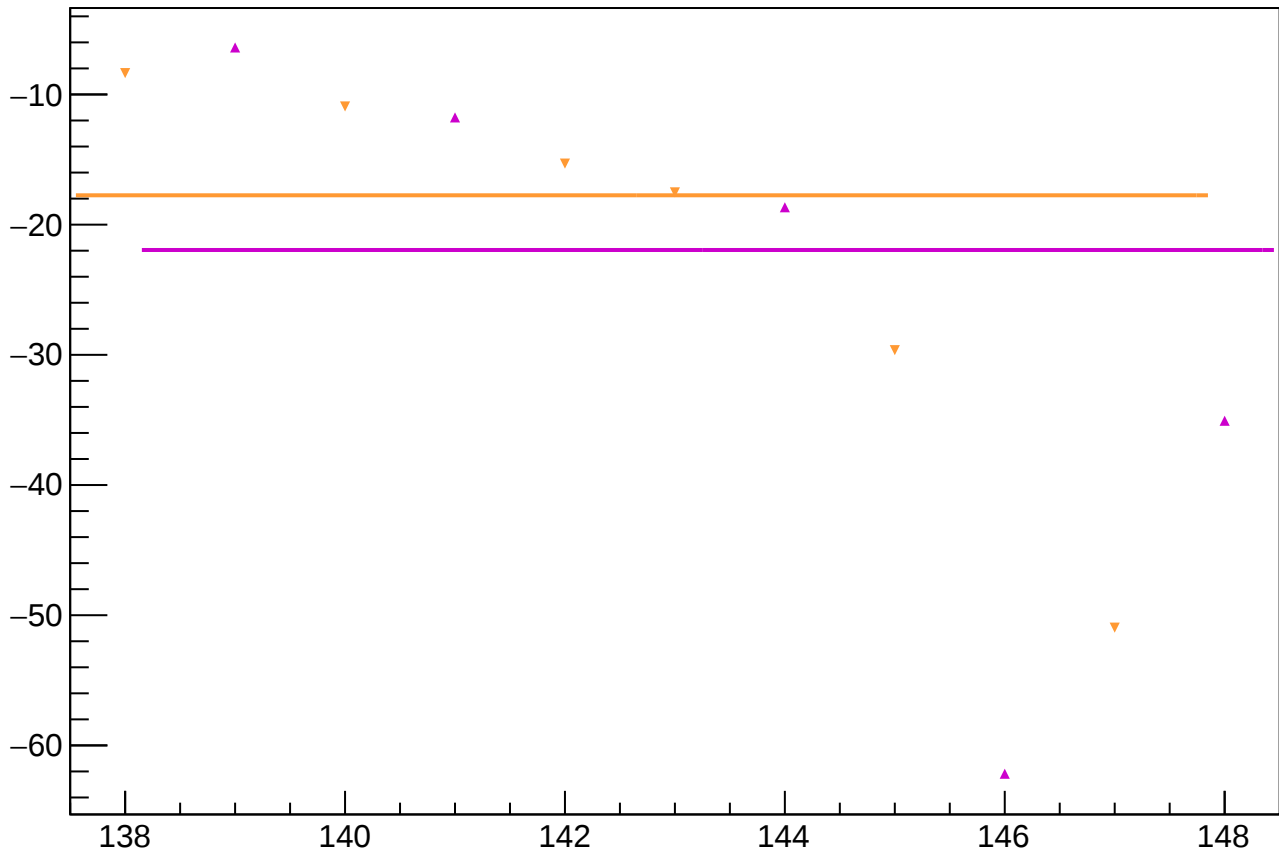
Right Out: 0.213 ± 0.004 $\chi^2/\text{NDF}: 1057.0/19$

Left In: 0.173 ± 0.005 $\chi^2/\text{NDF}: 612.4/4$

0.211 ± 0.003 $\chi^2/\text{NDF}: 1574.6/22$

0.198 ± 0.003 $\chi^2/\text{NDF}: 1713.7/24$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -17.745+/-0.113 χ^2/NDF : 13582.1/5

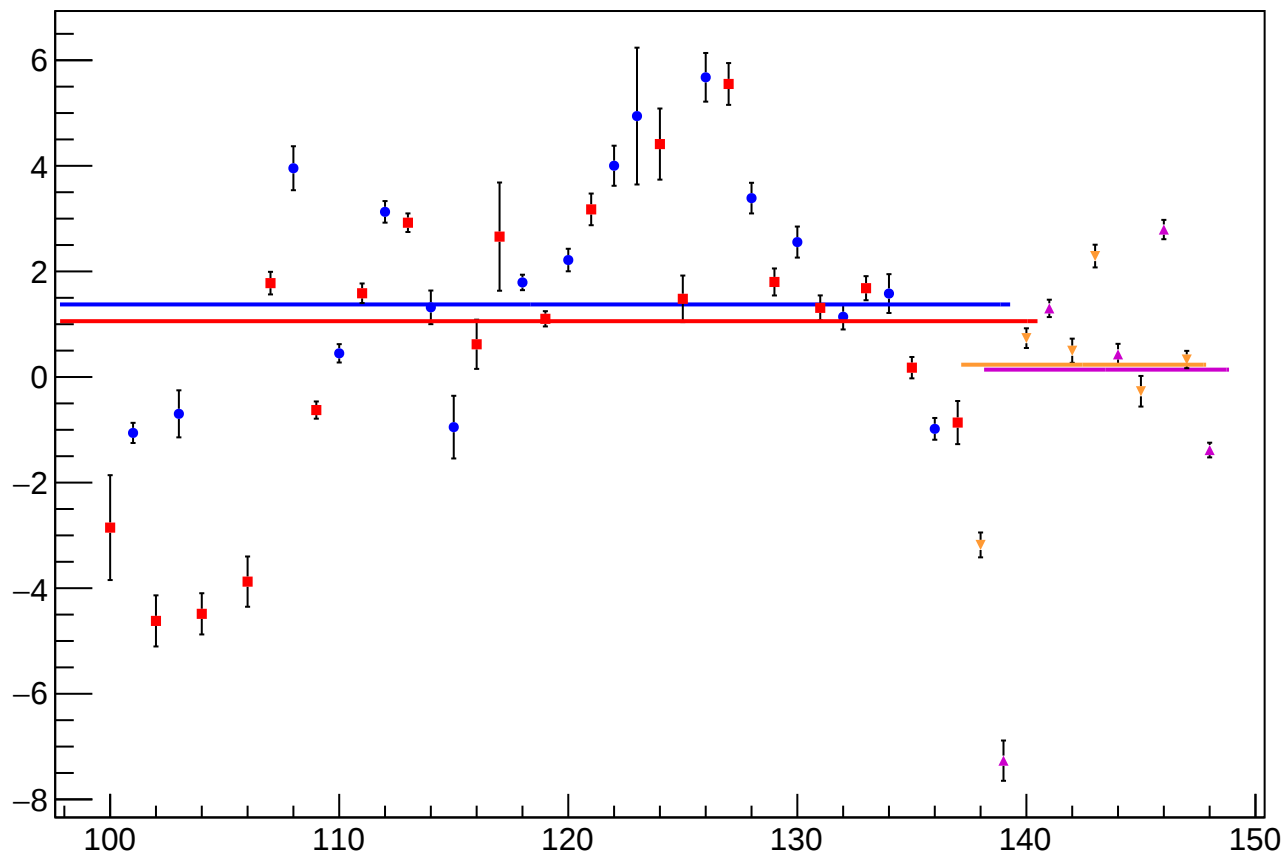
-17.745+/-0.113 χ^2/NDF : 13582.1/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-21.946+/-0.114 χ^2/NDF : 26146.2/4

Left In: -21.946+/-0.114 χ^2/NDF : 26146.2/4

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: 0.233 ± 0.086 $\chi^2/\text{NDF}: 313.4/5$

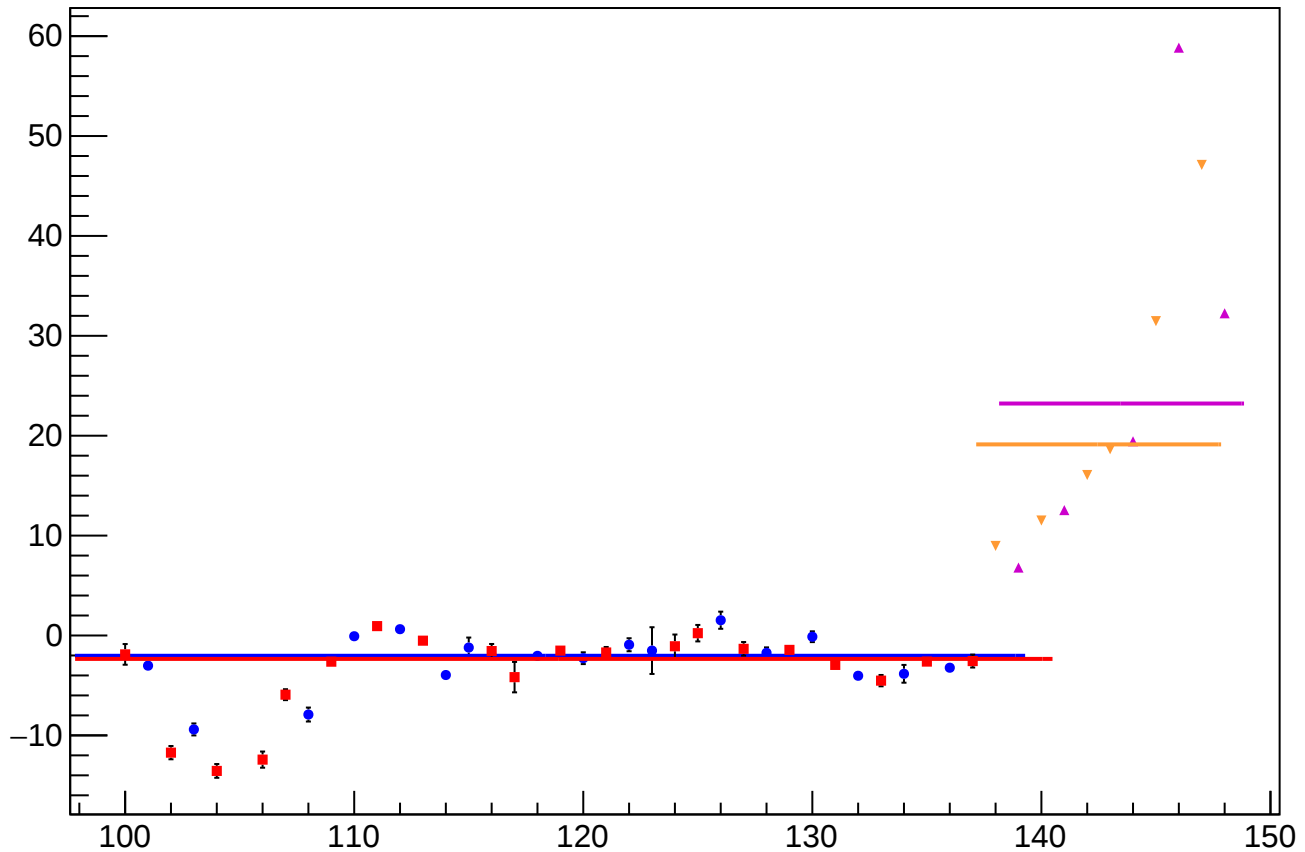
Right Out: 1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

Left In: 0.140 ± 0.082 $\chi^2/\text{NDF}: 758.3/4$

0.983 ± 0.050 $\chi^2/\text{NDF}: 1132.4/22$

0.750 ± 0.047 $\chi^2/\text{NDF}: 1809.0/24$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 19.130 ± 0.119 χ^2/NDF : 11898.7/5

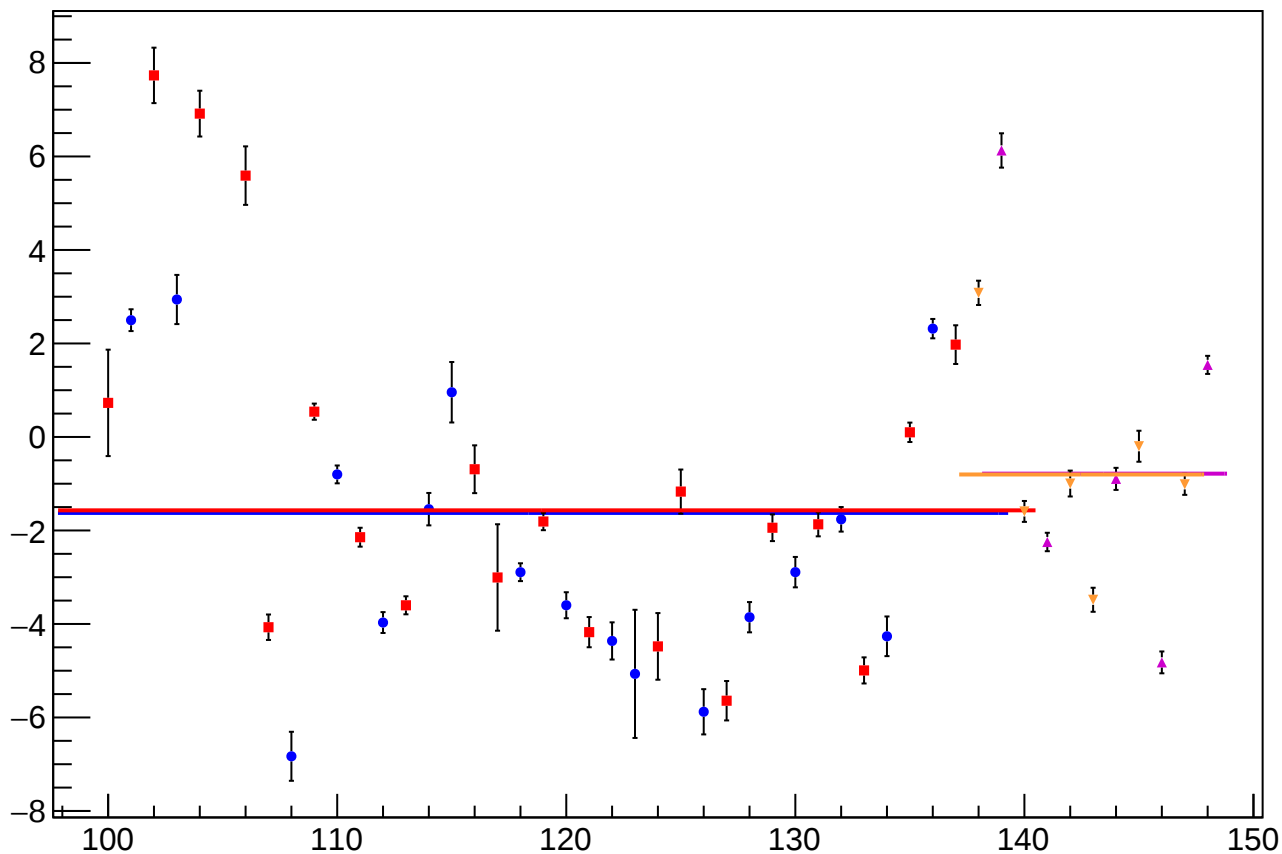
Right Out: -2.344 ± 0.099 χ^2/NDF : 903.4/19

Left In: 23.221 ± 0.118 χ^2/NDF : 22495.1/4

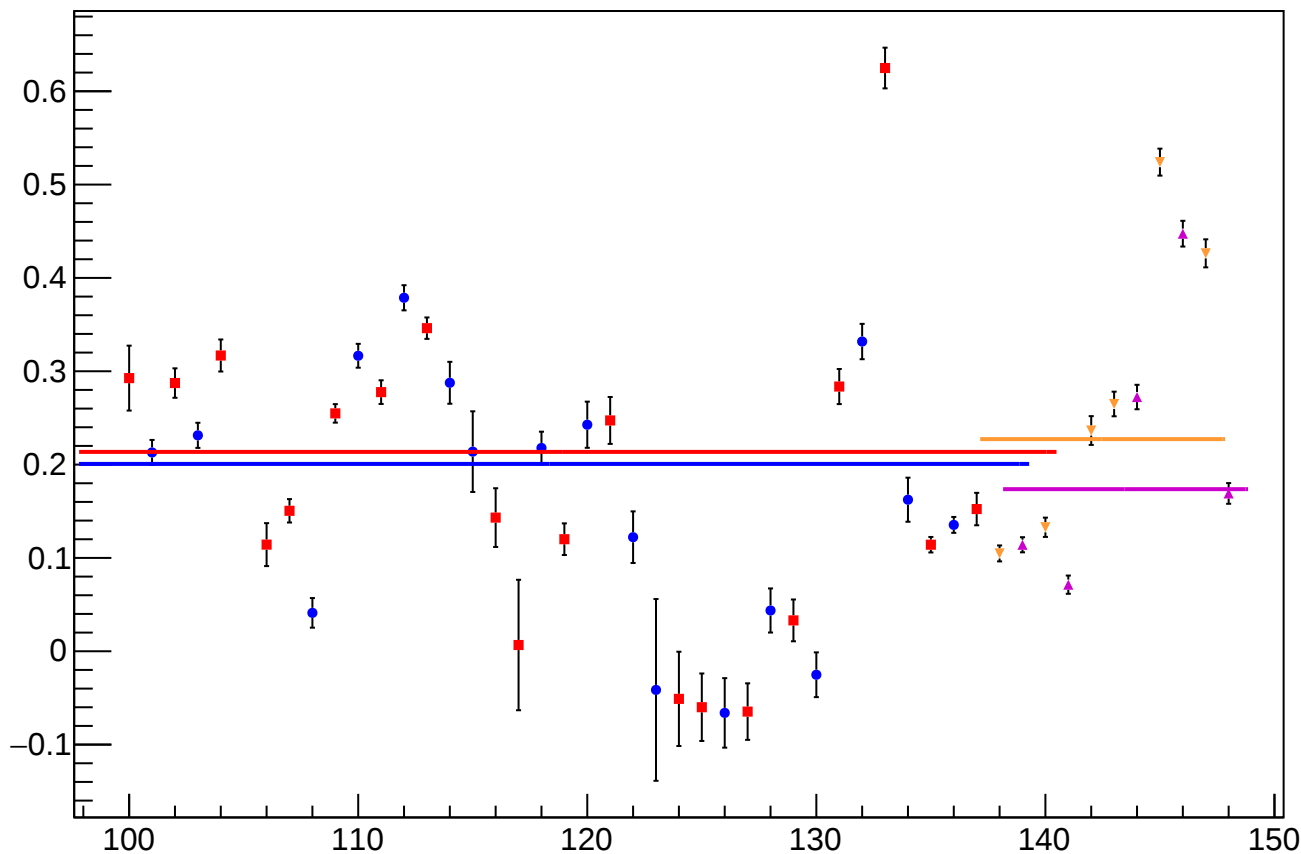
7.842 ± 0.081 χ^2/NDF : 29226.3/22

8.234 ± 0.076 χ^2/NDF : 51140.2/24

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.227 ± 0.005 χ^2/NDF : 894.6/5

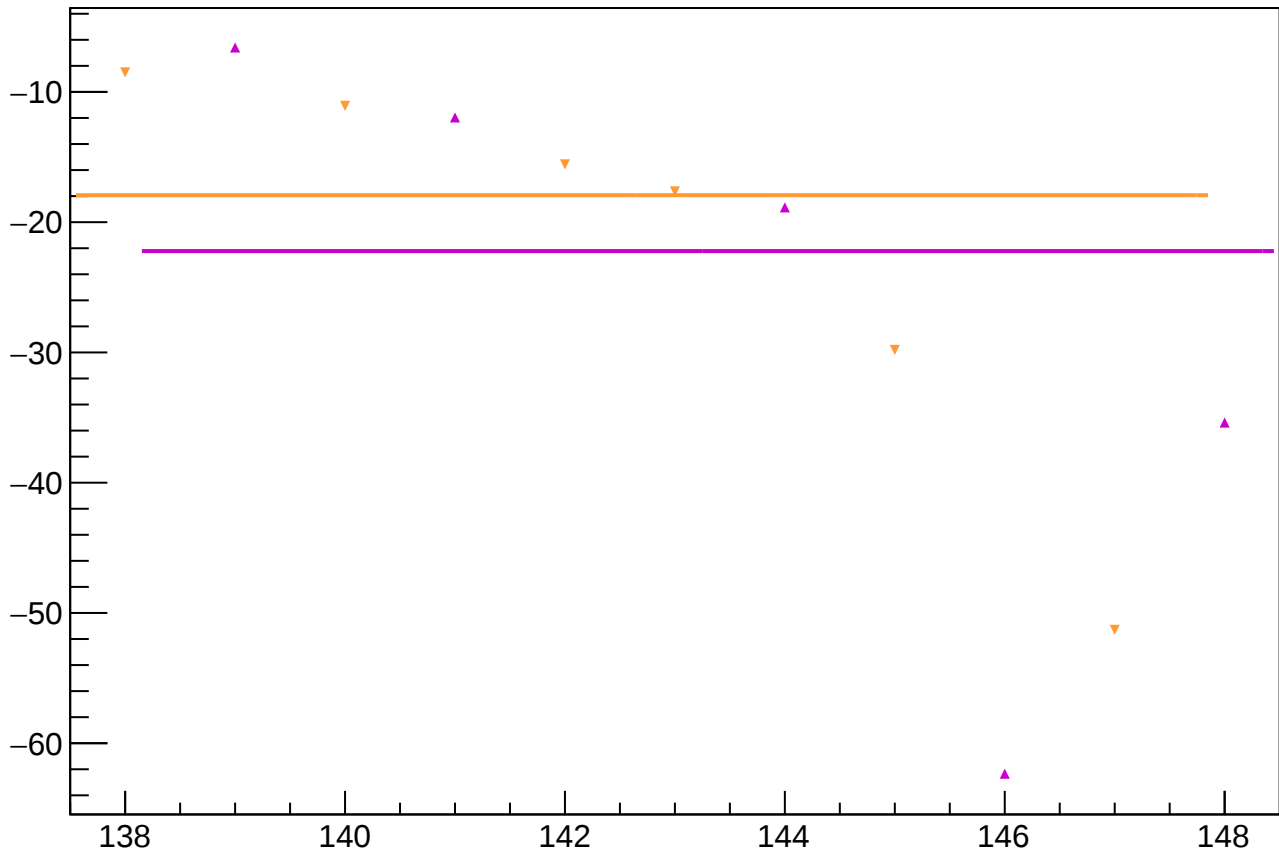
Right Out: 0.214 ± 0.004 χ^2/NDF : 1089.2/19

Left In: 0.174 ± 0.005 χ^2/NDF : 614.6/4

0.212 ± 0.003 χ^2/NDF : 1602.5/22

0.198 ± 0.003 χ^2/NDF : 1748.3/24

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -17.929+/-0.114 χ^2/NDF :13466.8/5

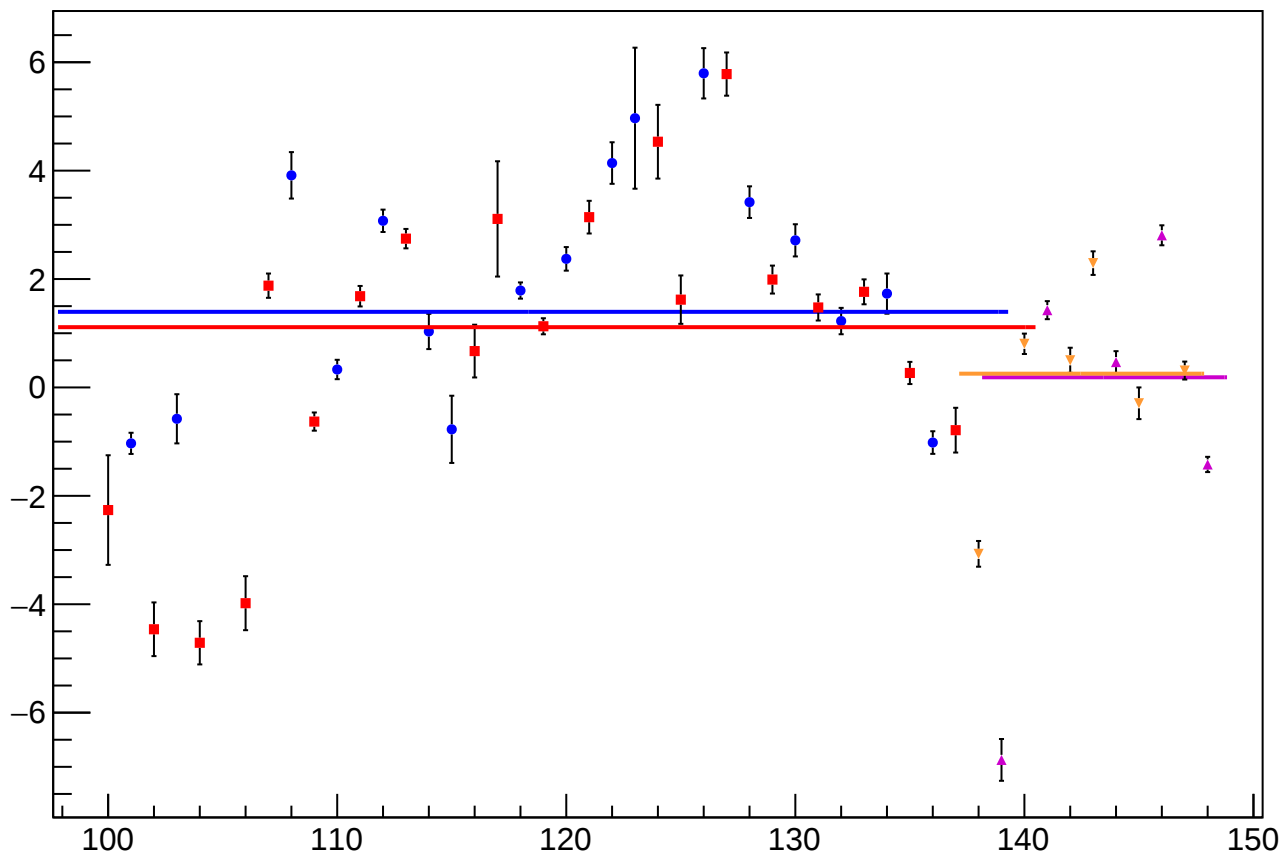
-17.929+/-0.114 χ^2/NDF : 13466.8/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-22.217+/-0.115 χ^2/NDF : 25754.5/4

Left In: -22.217+/-0.115 χ^2/NDF :25754.5/4

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 ± 0.063 $\chi^2/\text{NDF}: 701.4/16$

Left Out: 0.254 ± 0.086 $\chi^2/\text{NDF}: 297.1/5$

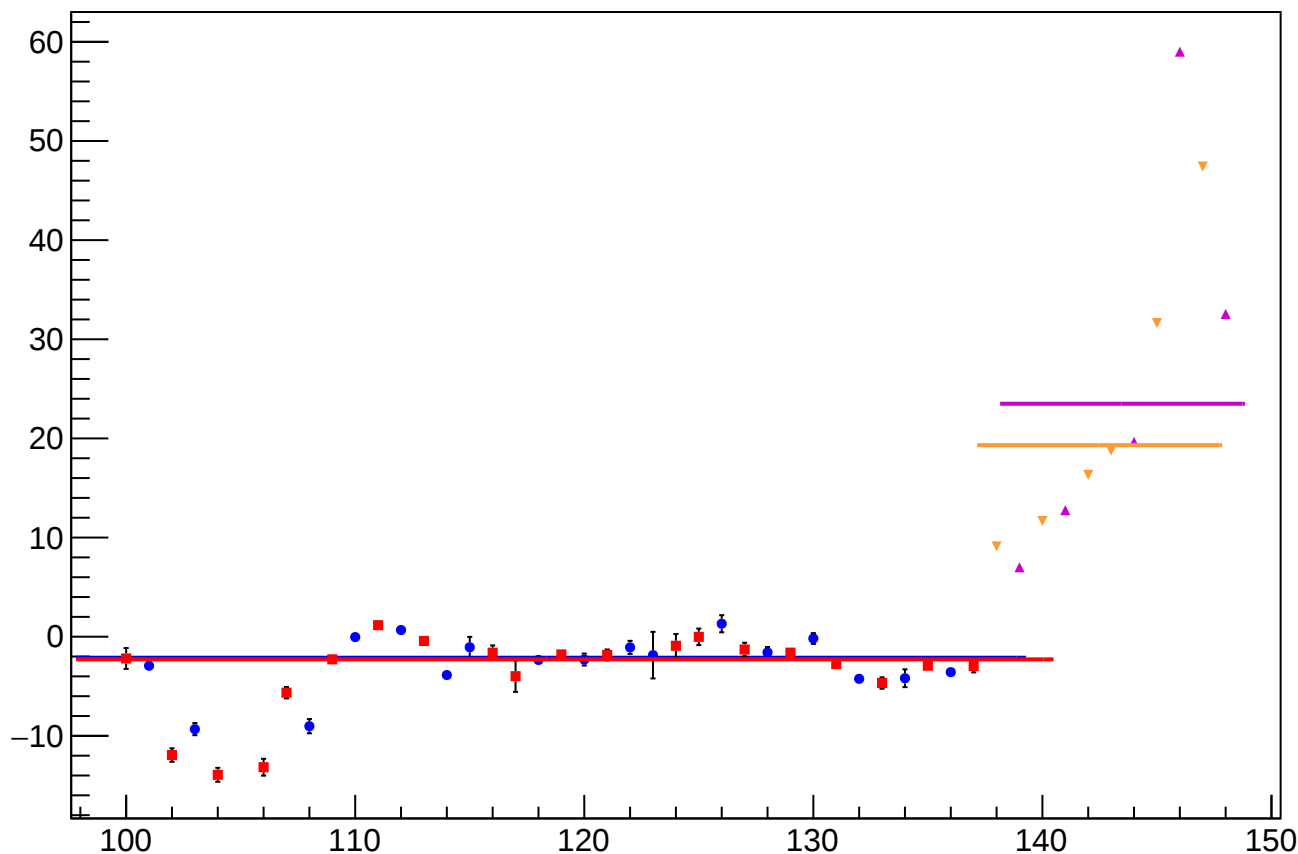
Right Out: 1.112 ± 0.059 $\chi^2/\text{NDF}: 940.5/19$

Left In: 0.187 ± 0.082 $\chi^2/\text{NDF}: 725.1/4$

0.998 ± 0.051 $\chi^2/\text{NDF}: 1112.3/22$

0.797 ± 0.048 $\chi^2/\text{NDF}: 1748.8/24$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 19.322 ± 0.120 $\chi^2/\text{NDF}: 11790.4/5$

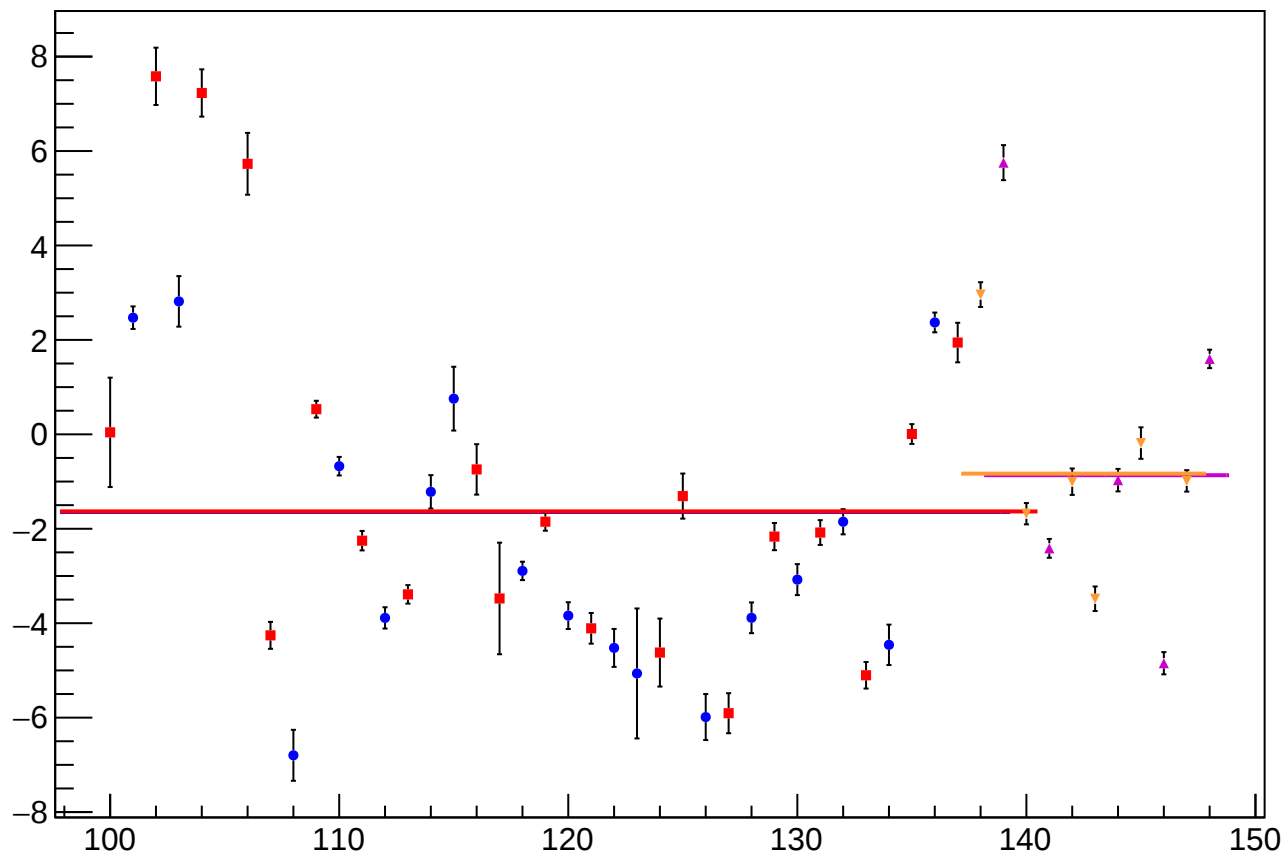
Right Out: -2.284 ± 0.101 $\chi^2/\text{NDF}: 920.6/19$

Left In: 23.499 ± 0.119 $\chi^2/\text{NDF}: 22130.8/4$

7.977 ± 0.082 $\chi^2/\text{NDF}: 29140.6/22$

8.524 ± 0.077 $\chi^2/\text{NDF}: 50459.7/24$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: -0.832 ± 0.105 χ^2/NDF : 332.0/5

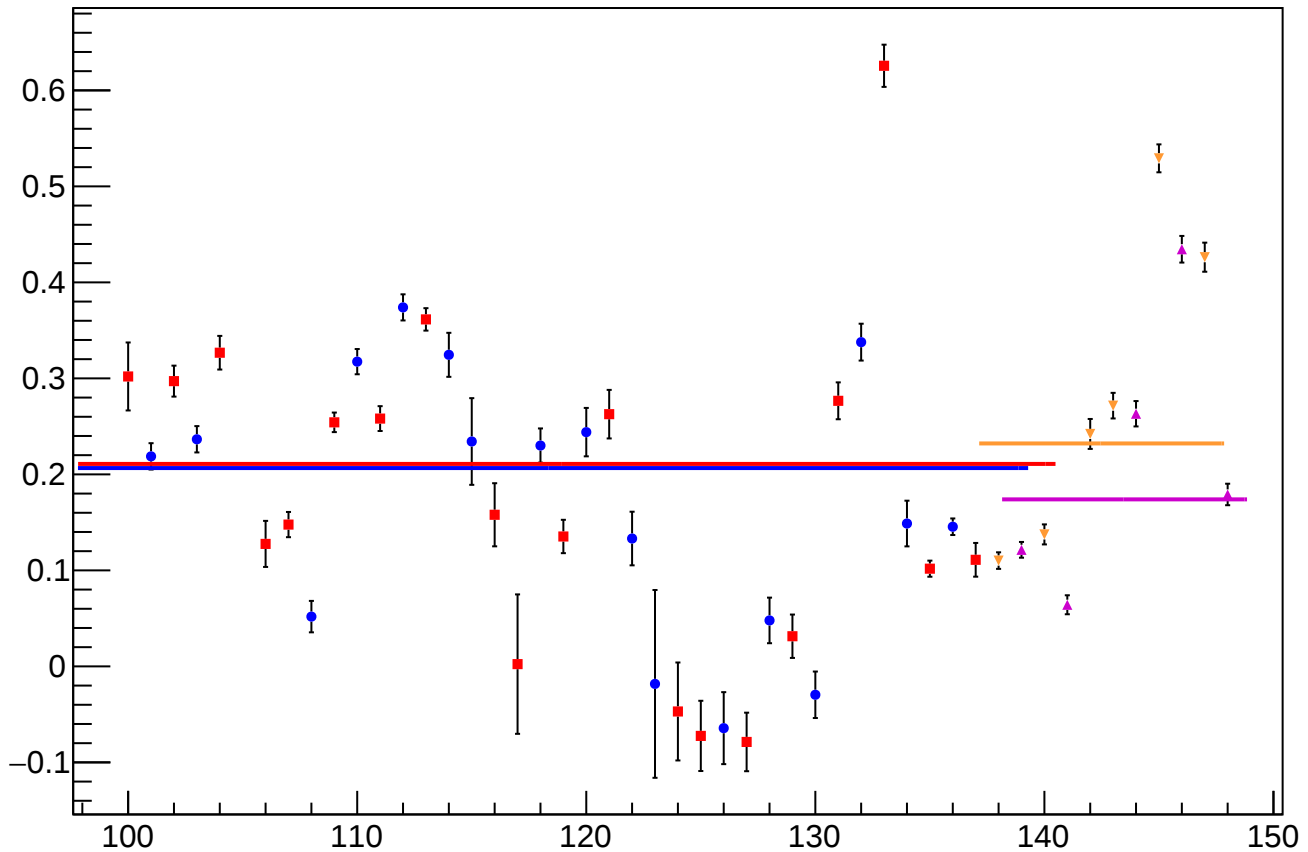
Right Out: -1.633 ± 0.067 χ^2/NDF : 1470.6/19

Left In: -0.866 ± 0.103 χ^2/NDF : 824.3/4

-1.383 ± 0.060 χ^2/NDF : 1682.3/22

-1.406 ± 0.056 χ^2/NDF : 2334.0/24

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.232 ± 0.005 χ^2/NDF : 872.7/5

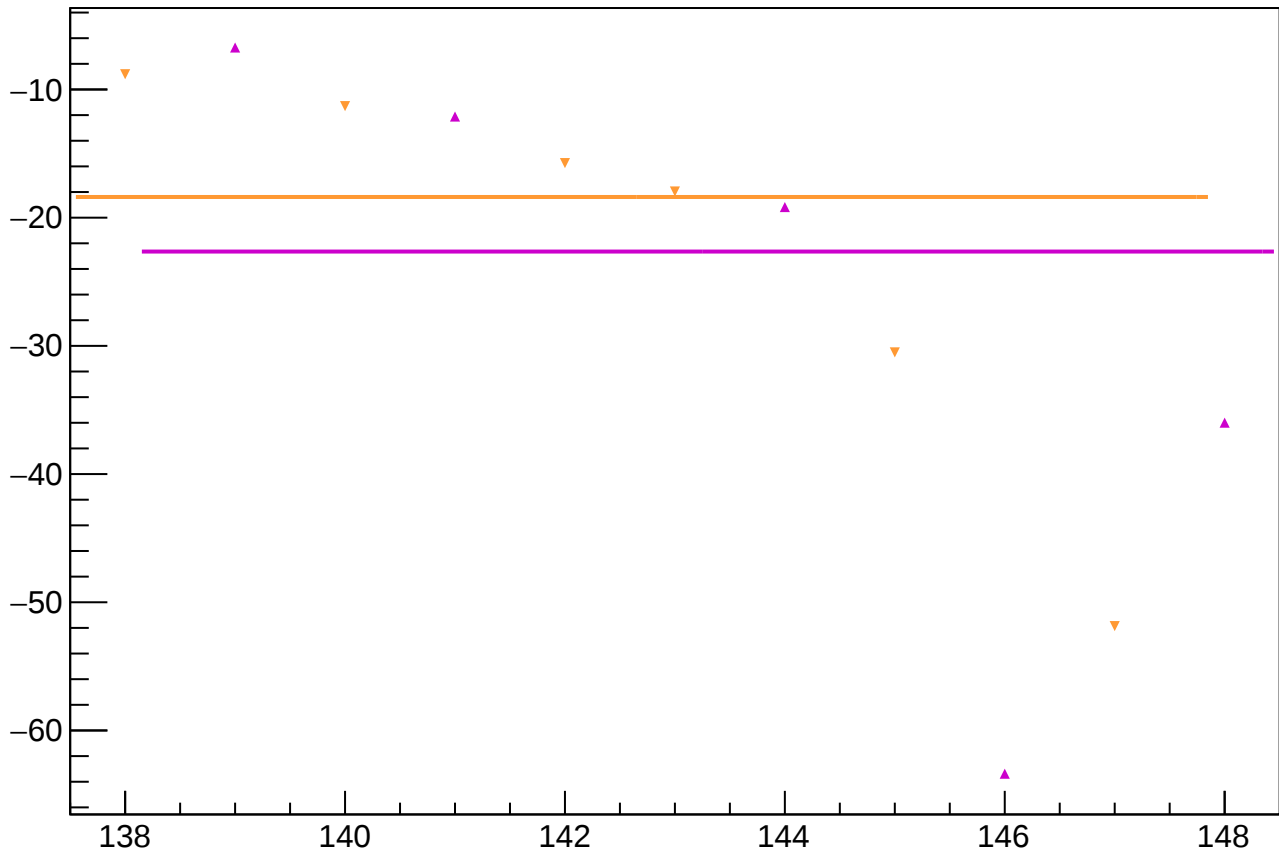
Right Out: 0.211 ± 0.004 χ^2/NDF : 1153.8/19

Left In: 0.174 ± 0.005 χ^2/NDF : 562.6/4

0.217 ± 0.003 χ^2/NDF : 1543.3/22

0.197 ± 0.003 χ^2/NDF : 1753.4/24

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.386+/-0.116 χ^2/NDF : 13271.8/5

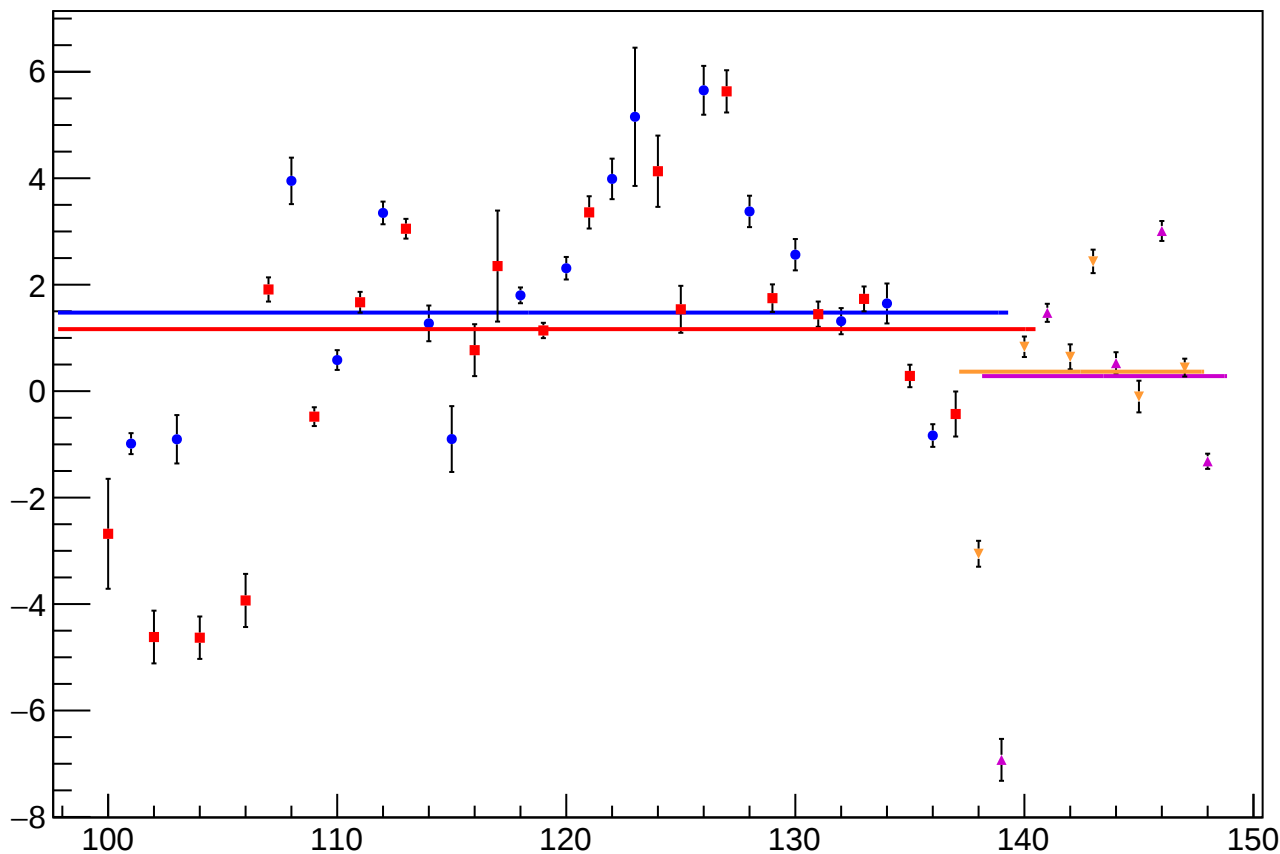
-18.386+/-0.116 χ^2/NDF : 13271.8/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-22.643+/-0.117 χ^2/NDF : 25720.9/4

Left In: -22.643+/-0.117 χ^2/NDF : 25720.9/4

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476+/-0.064 χ^2/NDF : 659.7/16

Left Out: 0.366+/-0.088 χ^2/NDF : 295.6/5

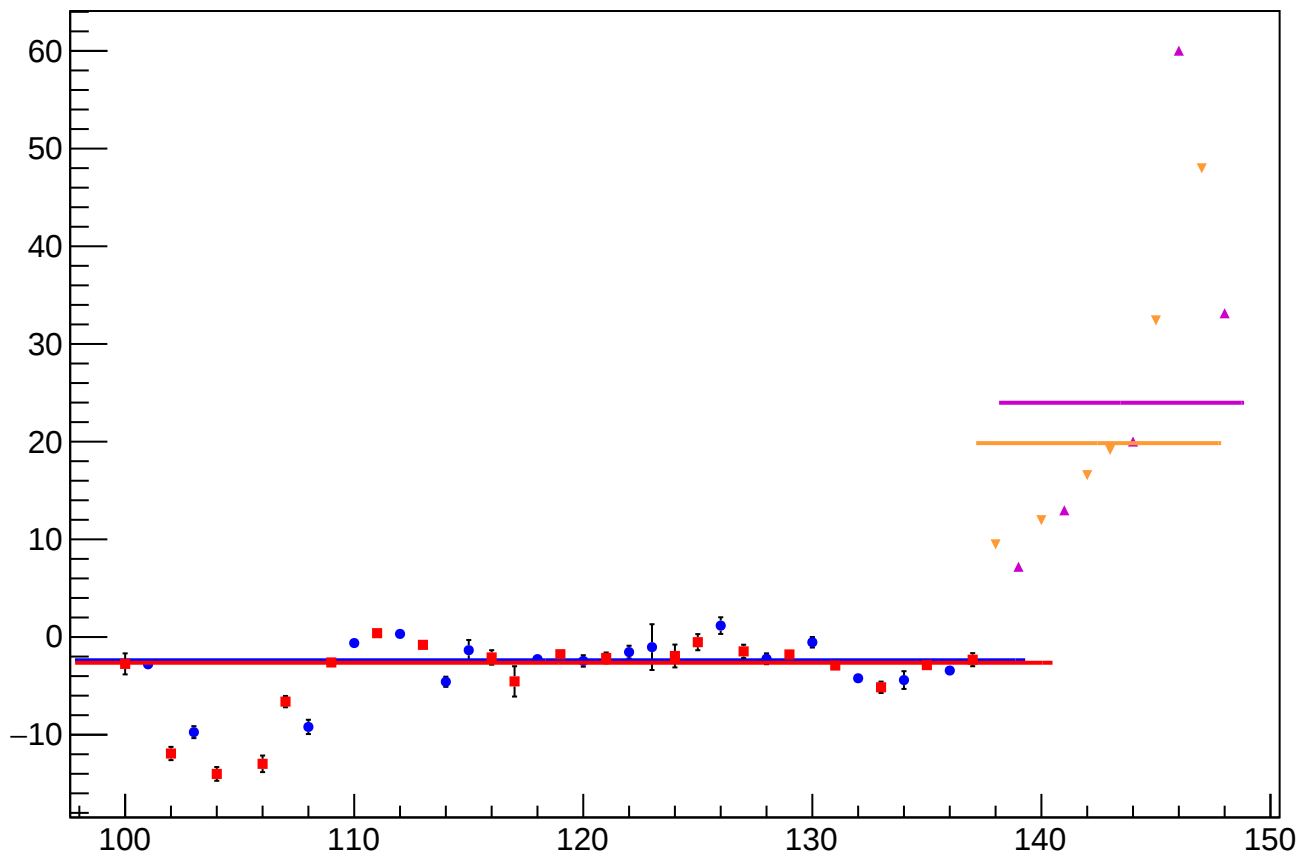
Right Out: 1.165+/-0.060 χ^2/NDF : 919.2/19

Left In: 0.283+/-0.084 χ^2/NDF : 723.0/4

1.095+/-0.052 χ^2/NDF : 1059.9/22

0.867+/-0.049 χ^2/NDF : 1715.7/24

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 19.849 ± 0.123 $\chi^2/\text{NDF}: 11591.8/5$

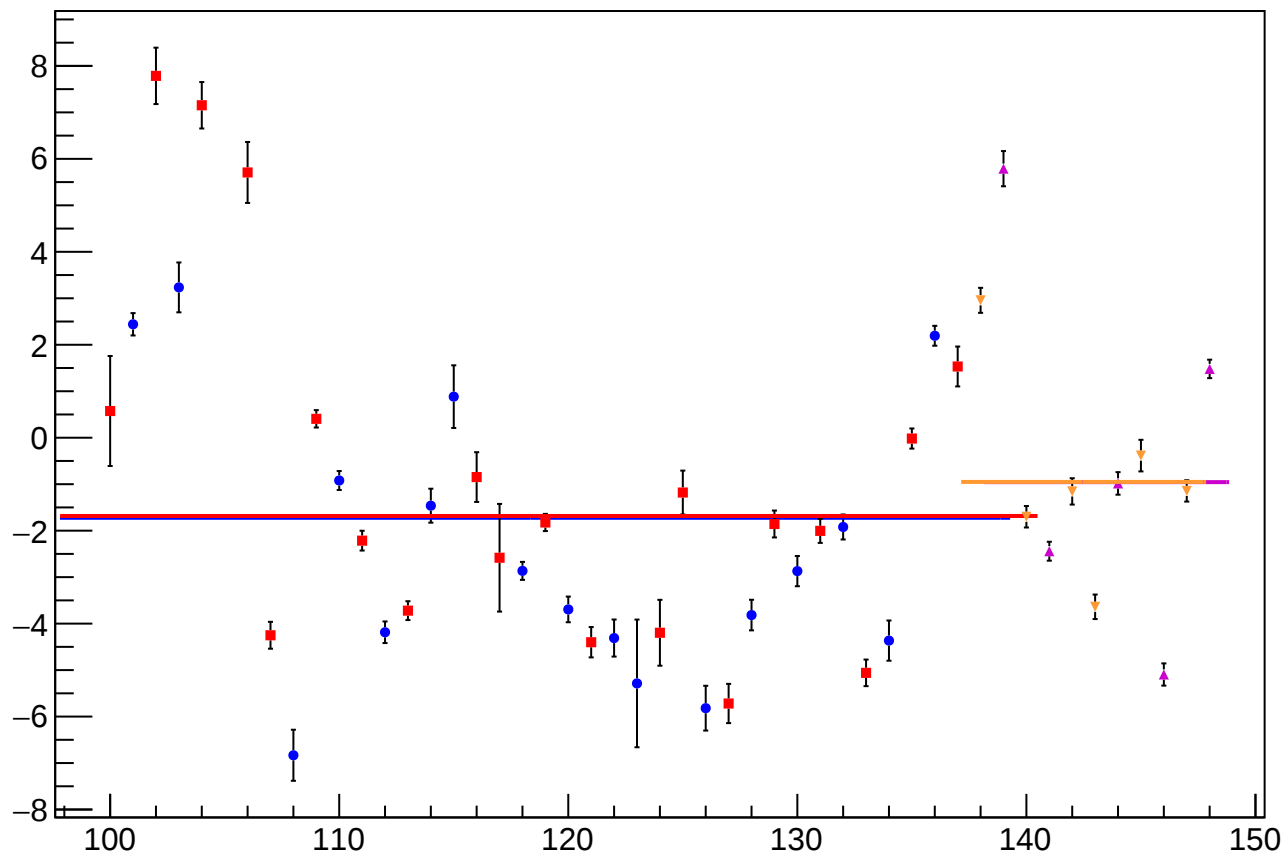
Right Out: -2.631 ± 0.103 $\chi^2/\text{NDF}: 842.8/19$

Left In: 23.983 ± 0.121 $\chi^2/\text{NDF}: 22088.4/4$

8.033 ± 0.084 $\chi^2/\text{NDF}: 29524.0/22$

8.565 ± 0.078 $\chi^2/\text{NDF}: 51003.2/24$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722 ± 0.073 $\chi^2/\text{NDF}: 1247.6/16$

Left Out: -0.951 ± 0.107 $\chi^2/\text{NDF}: 329.5/5$

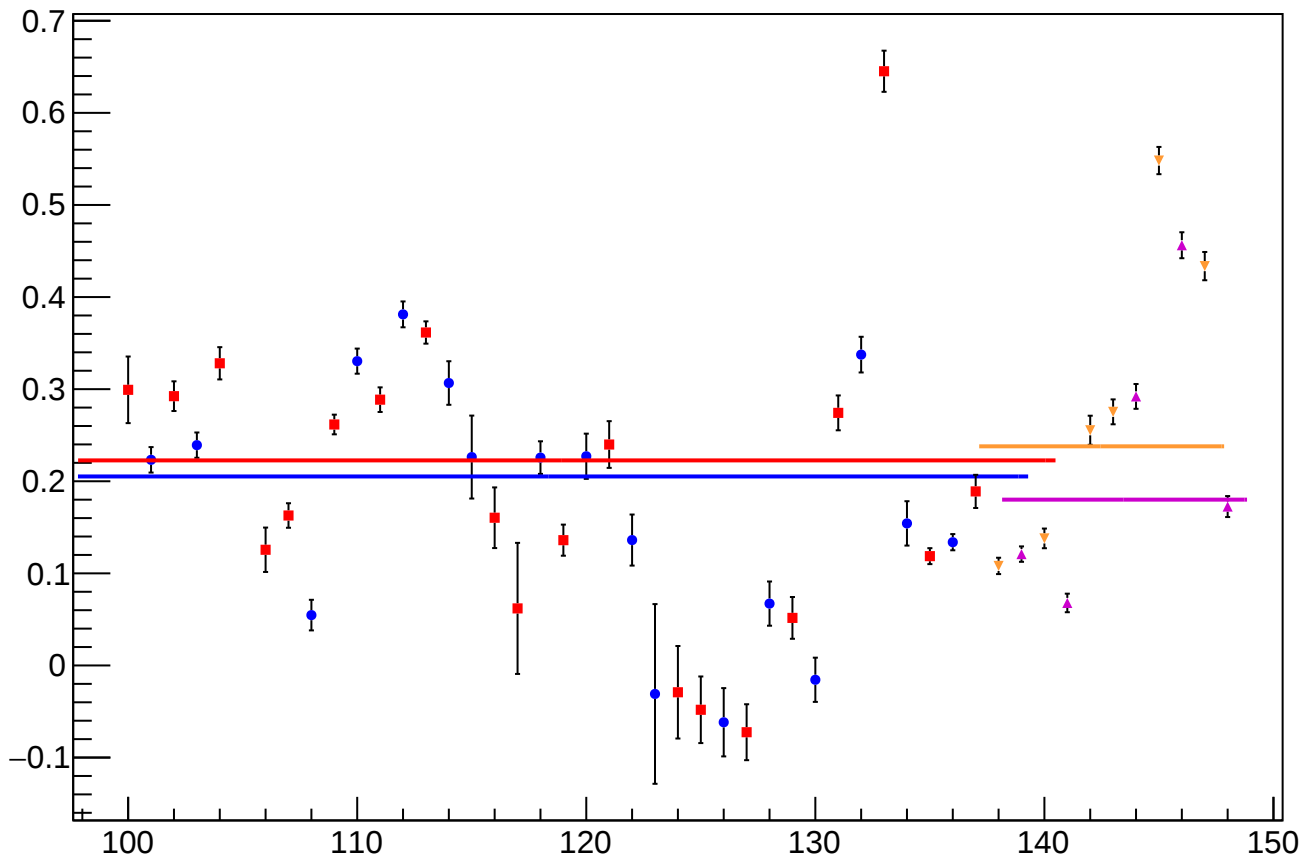
Right Out: -1.684 ± 0.068 $\chi^2/\text{NDF}: 1431.6/19$

Left In: -0.956 ± 0.105 $\chi^2/\text{NDF}: 820.7/4$

-1.477 ± 0.060 $\chi^2/\text{NDF}: 1612.4/22$

-1.469 ± 0.057 $\chi^2/\text{NDF}: 2286.4/24$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.004 χ^2/NDF : 650.7/16

Left Out: 0.238 $\pm$ 0.005 χ^2/NDF : 913.0/5

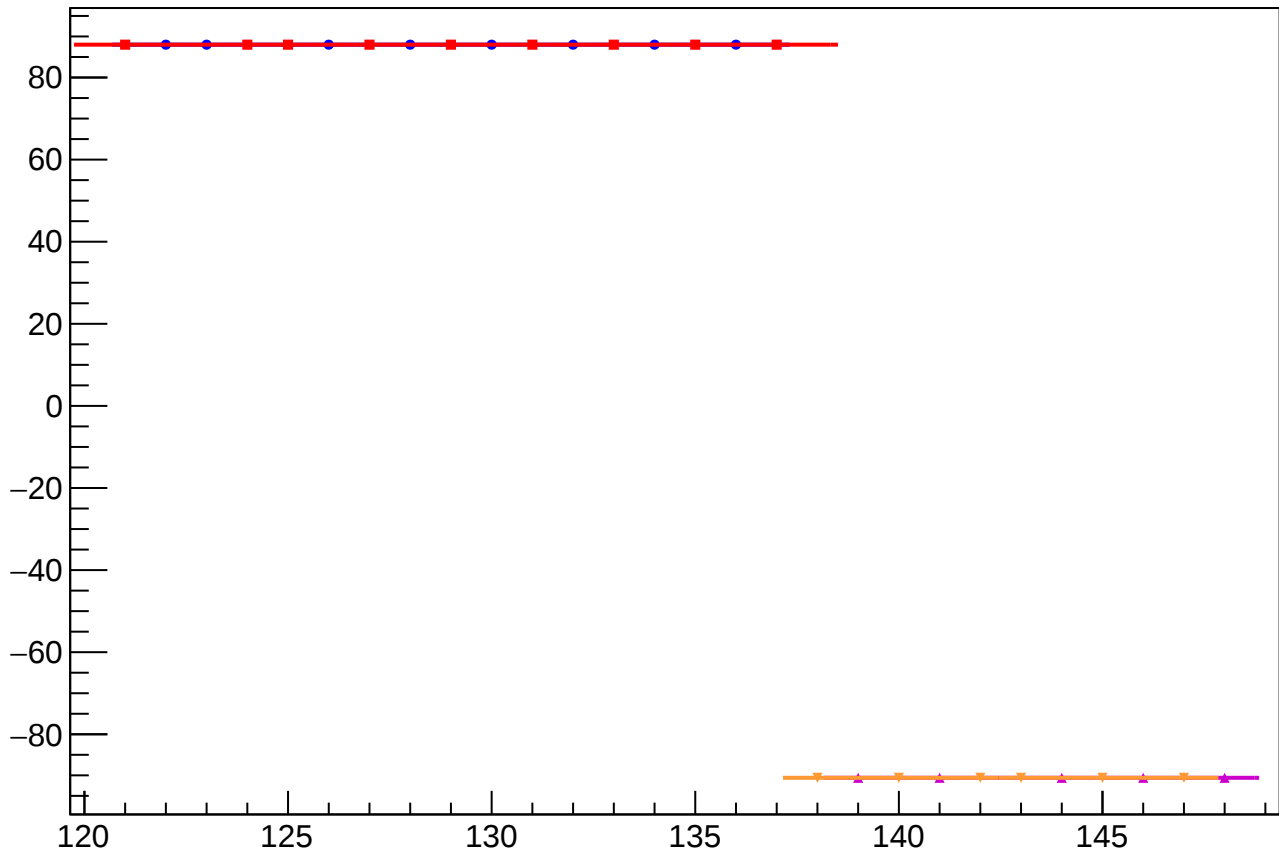
Right Out: 0.223 $\pm$ 0.004 χ^2/NDF : 1045.6/19

Left In: 0.180 $\pm$ 0.005 χ^2/NDF : 627.4/4

0.219 $\pm$ 0.003 χ^2/NDF : 1588.3/22

0.206 $\pm$ 0.003 χ^2/NDF : 1720.5/24

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 2817382.0/5

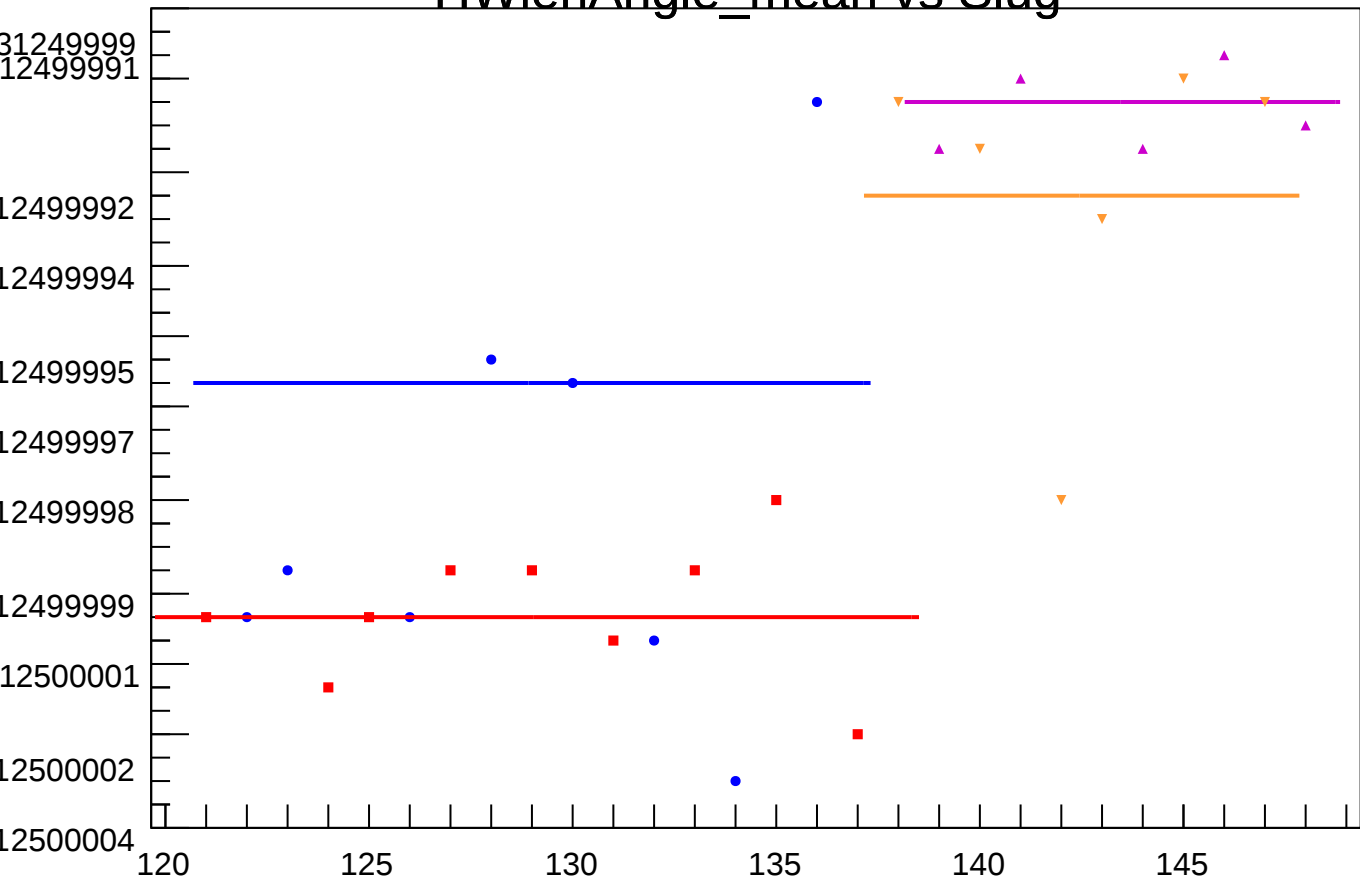
Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

Left In: -90.599+/-0.000 χ^2/NDF : 274245.9/4

-11.683+/-0.000 χ^2/NDF : 60888012948837169

-12.979+/-0.000 χ^2/NDF : 57531490934604816

HWienAngle_mean vs Slug



Right In: -29.641 ± 0.000 $\chi^2/\text{NDF}: 405045.4/7$

Left Out: -29.641 ± 0.000 $\chi^2/\text{NDF}: 160170.3/5$

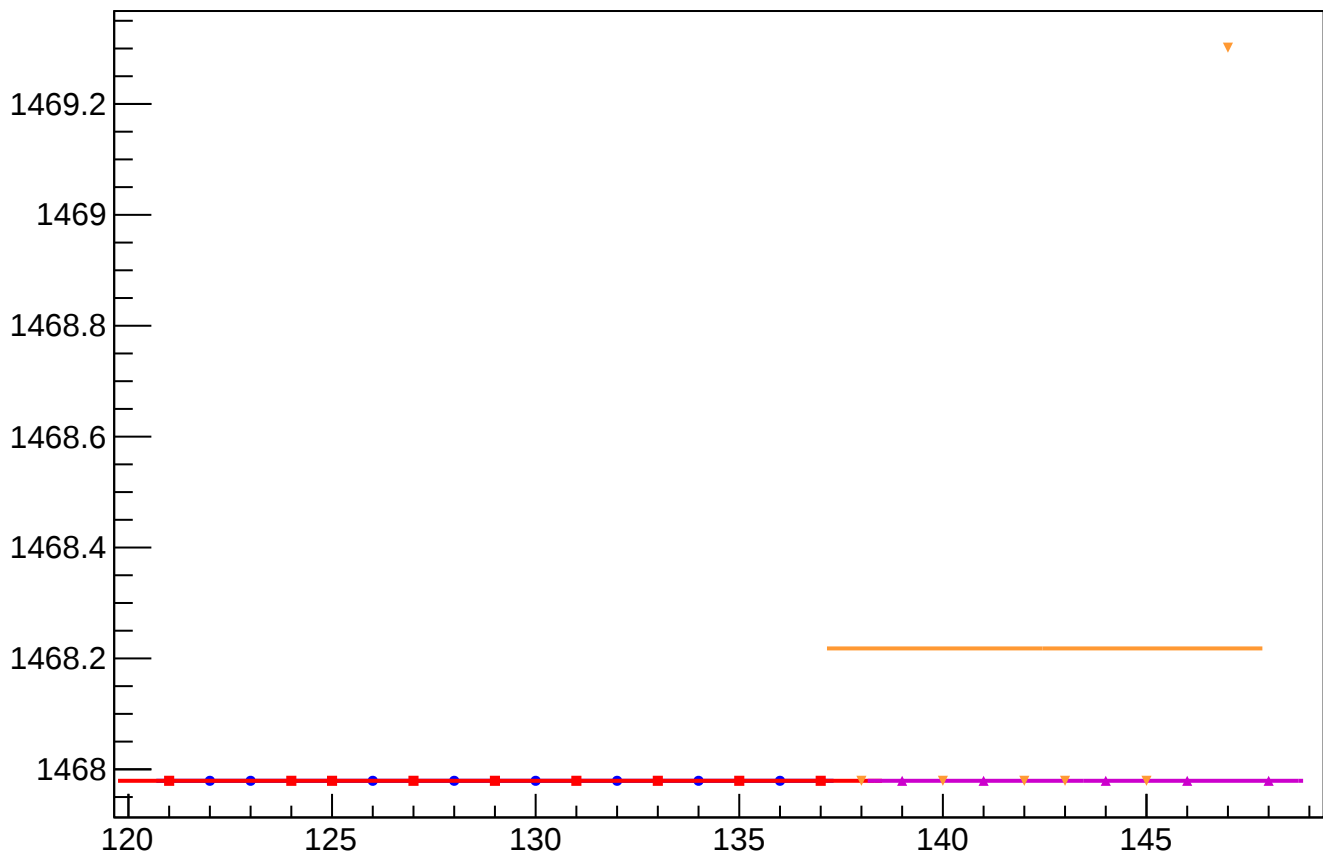
Right Out: -29.641 ± 0.000 $\chi^2/\text{NDF}: 29358.2/8$

Left In: -29.641 ± 0.000 $\chi^2/\text{NDF}: 14552.9/4$

-29.641 ± 0.000 $\chi^2/\text{NDF}: 850720.2/13$

-29.641 ± 0.000 $\chi^2/\text{NDF}: 1008820.6/13$

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.218+/-0.000 χ^2/NDF : 111742903373738728291750268370944.0/5

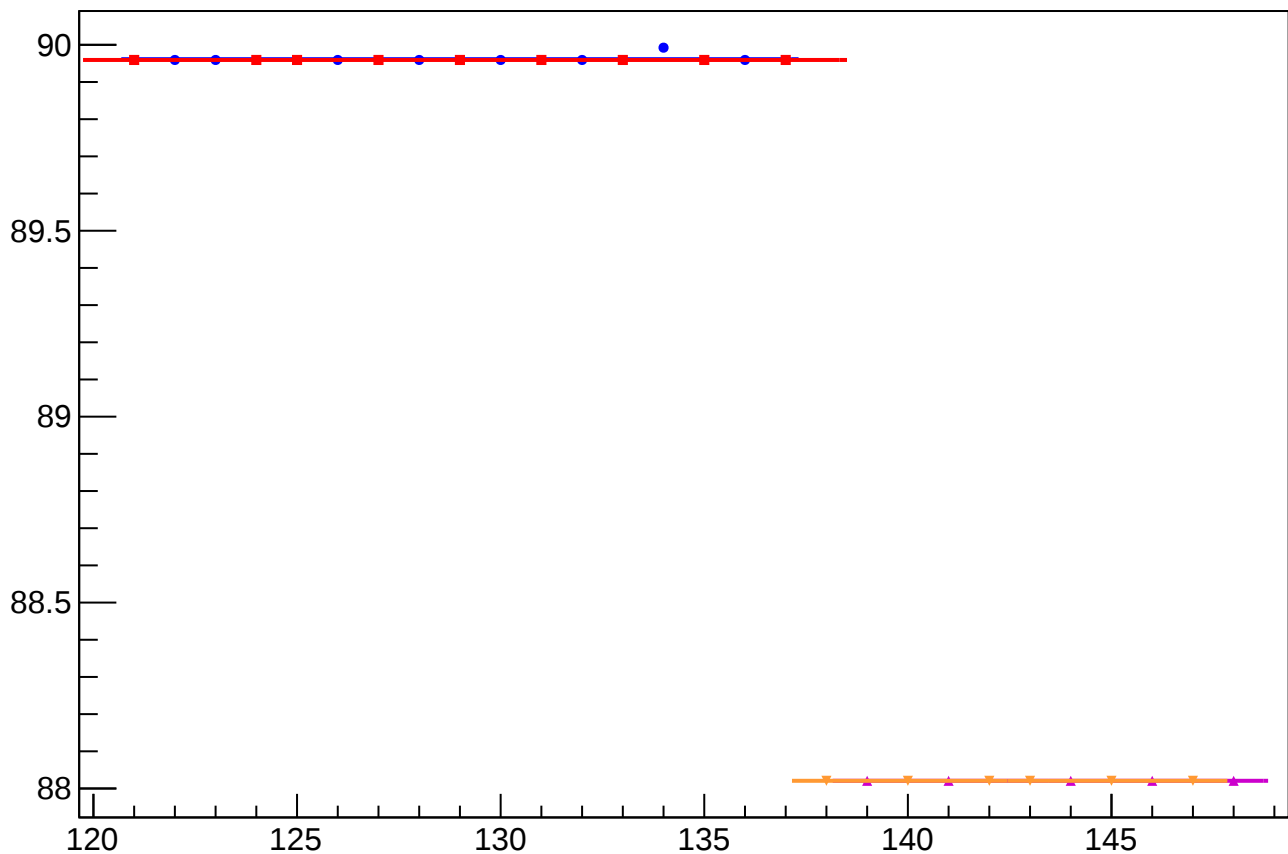
Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: 1467.979+/-0.000 χ^2/NDF : 12511106.8/4

1468.113+/-0.000 χ^2/NDF : 1226220902610335

1467.979+/-0.000 χ^2/NDF : 923081864.8/13

Phi_FG_mean vs Slug



Right In: 89.961 $\pm$ 0.000 χ^2 /NDF: 21528640598708602874349223936.0/7

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 2545155.6/5

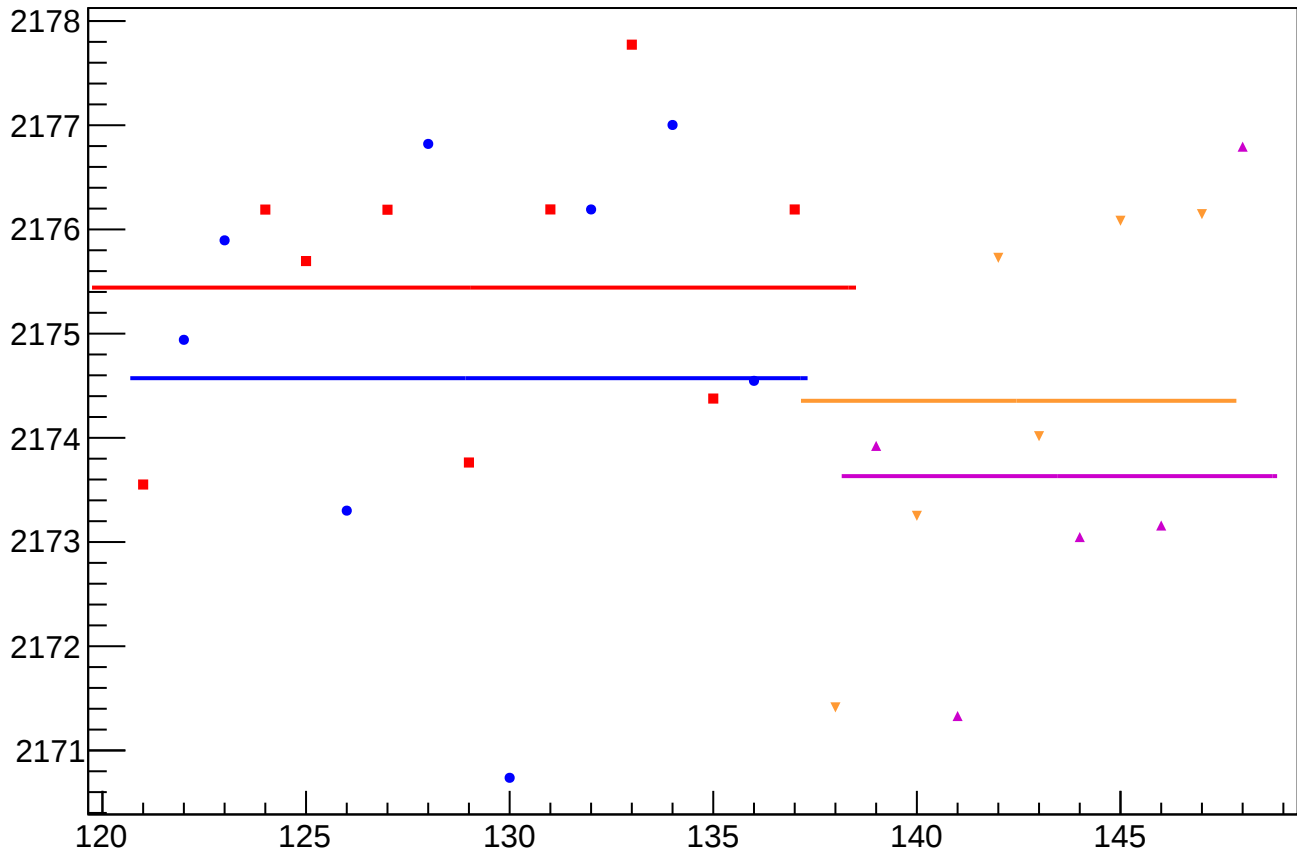
Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 331397.3/8

Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 273842.0/4

88.878 $\pm$ 0.000 χ^2 /NDF: 718893044839256100

88.863 $\pm$ 0.000 χ^2 /NDF: 677823054687075200

HALLA_p_mean vs Slug



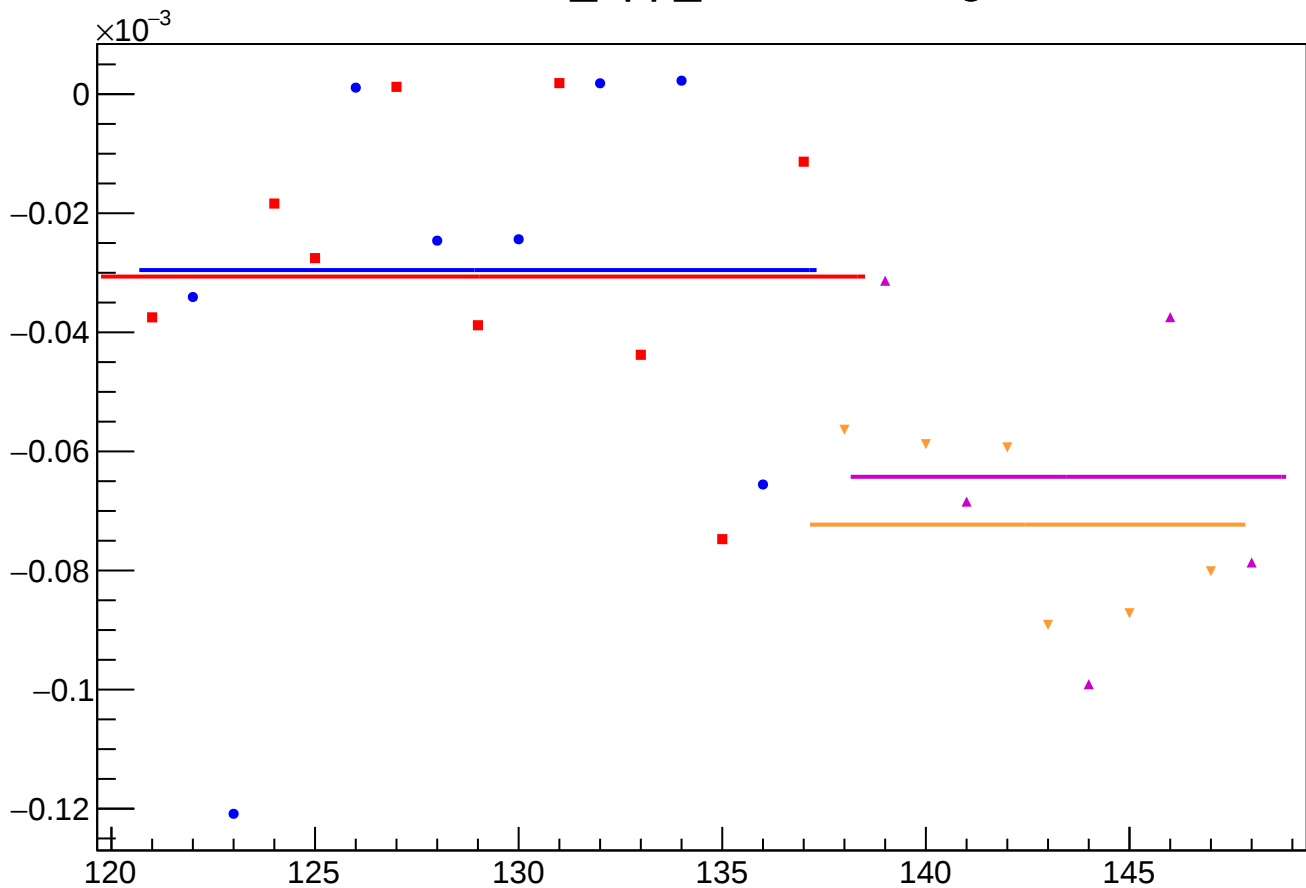
Right In: 2174.572 ± 0.000 $\chi^2/\text{NDF}: 1360264074026849381407550448074752.0/7$

Left Out: 2174.355 ± 0.000 $\chi^2/\text{NDF}: 1361581448686461443835248005611520.0/5$

Right Out: 2175.442 ± 0.000 $\chi^2/\text{NDF}: 610778445075790556034346524868608.0/8$

Left In: 2173.633 ± 0.000 $\chi^2/\text{NDF}: 1345580127502439422142434127118336.0/4$

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2/NDF : 84267816388097547960320.0/5

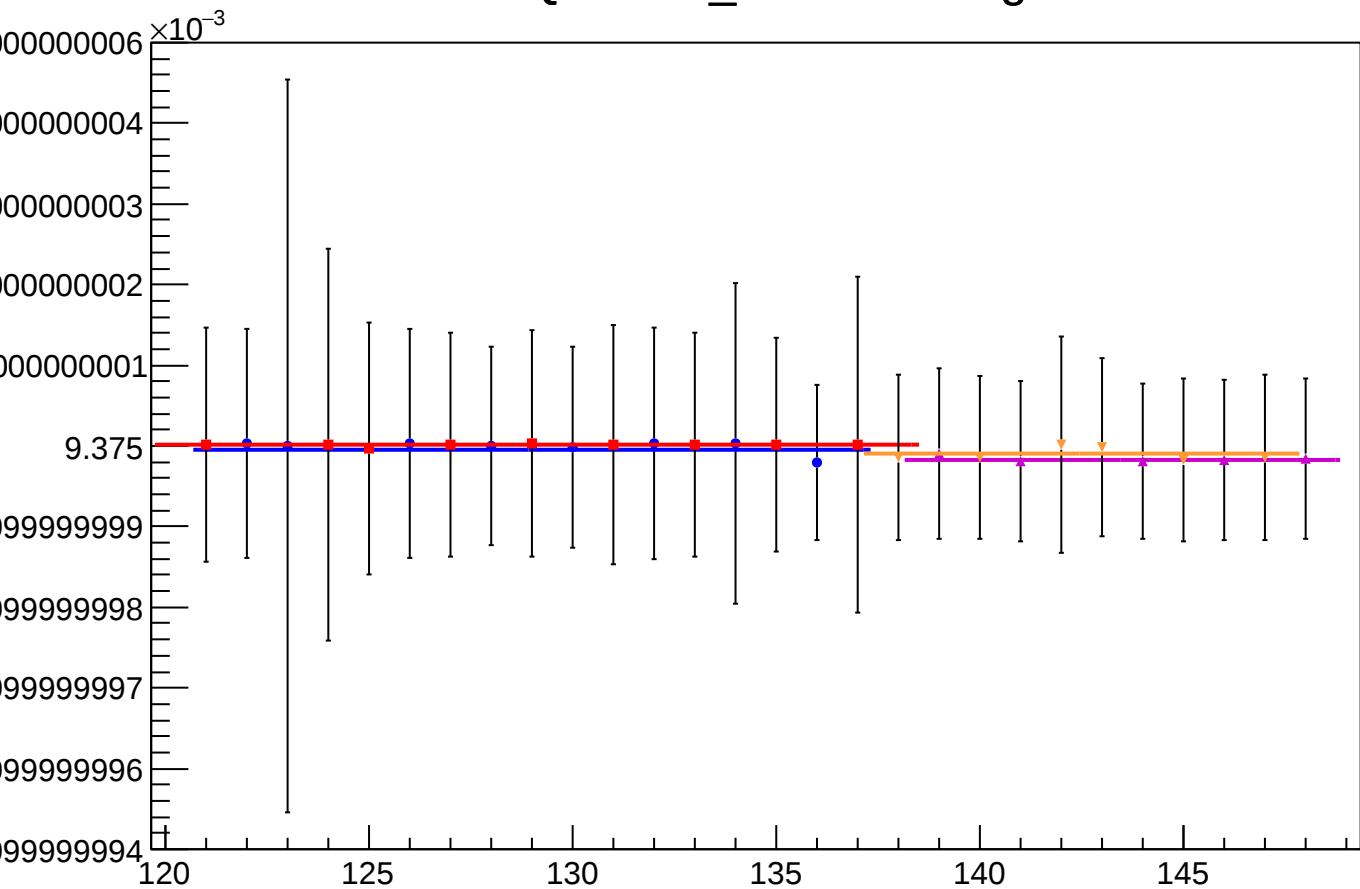
Right Out: -0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

Left In: -0.000+/-0.000 χ^2/NDF : 266728772397961784066048.0/4

-0.000+/-0.000 χ^2/NDF : 683234164484058426

-0.000+/-0.000 χ^2/NDF : 667427004904319964

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/5

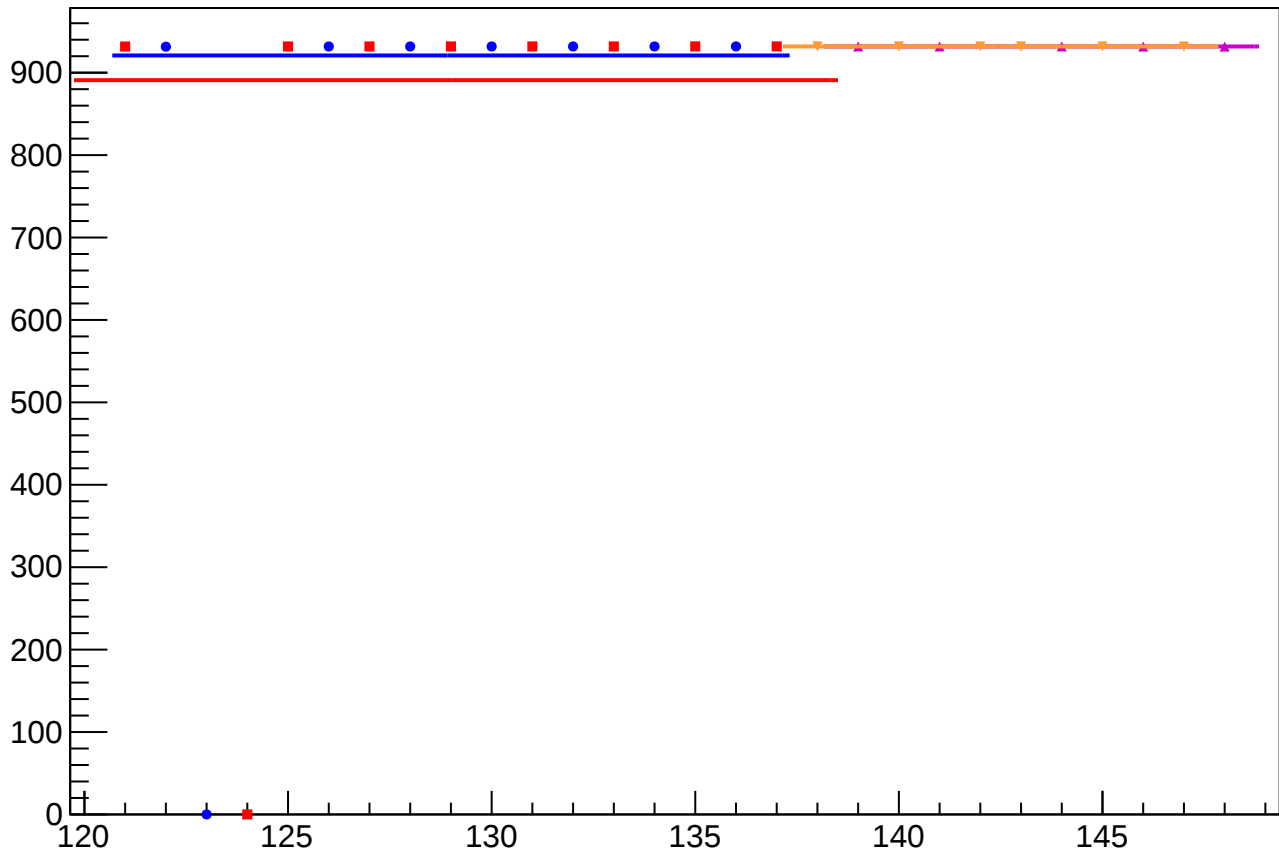
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/4

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

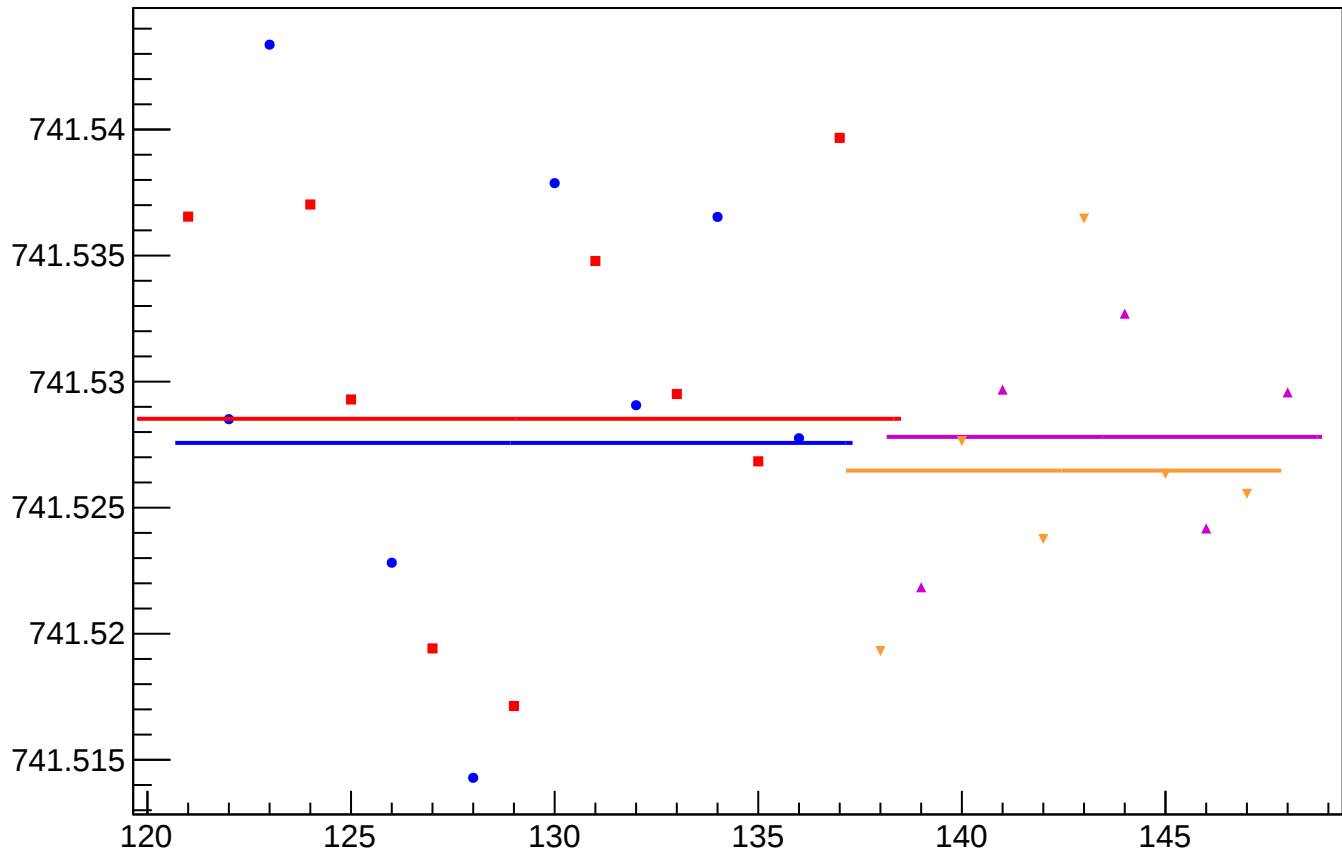
0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
Left Out: 931.838+/-0.000 χ^2/NDF : 1420245006121275037545324871680.0/5
Right Out: 890.923+/-0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
Left In: 931.815+/-0.000 χ^2/NDF : 1874360247839033112101419745280.0/4

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528 +/- 0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.526 +/- 0.000 χ^2/NDF : 11207499391914985157866553344.0/5

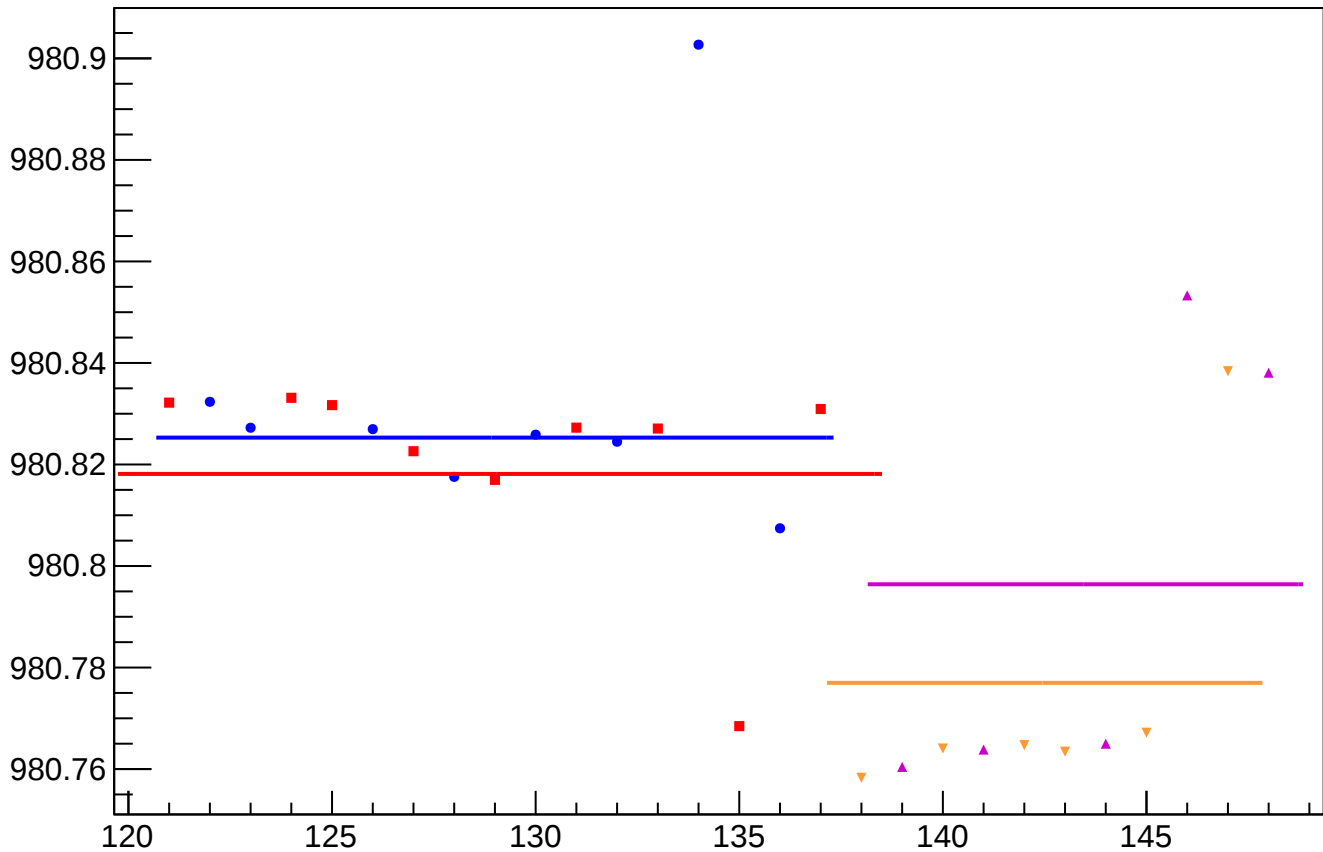
Right Out: 741.529 +/- 0.000 χ^2/NDF : 16580353917842624420385914880.0/8

Left In: 741.528 +/- 0.000 χ^2/NDF : 6416268197237722145143914496.0/4

741.527 +/- 0.000 χ^2/NDF : 30334054270146034

741.528 +/- 0.000 χ^2/NDF : 23089743095610820

HacL_Q3_HP3458A_IOUT_mean vs Slug



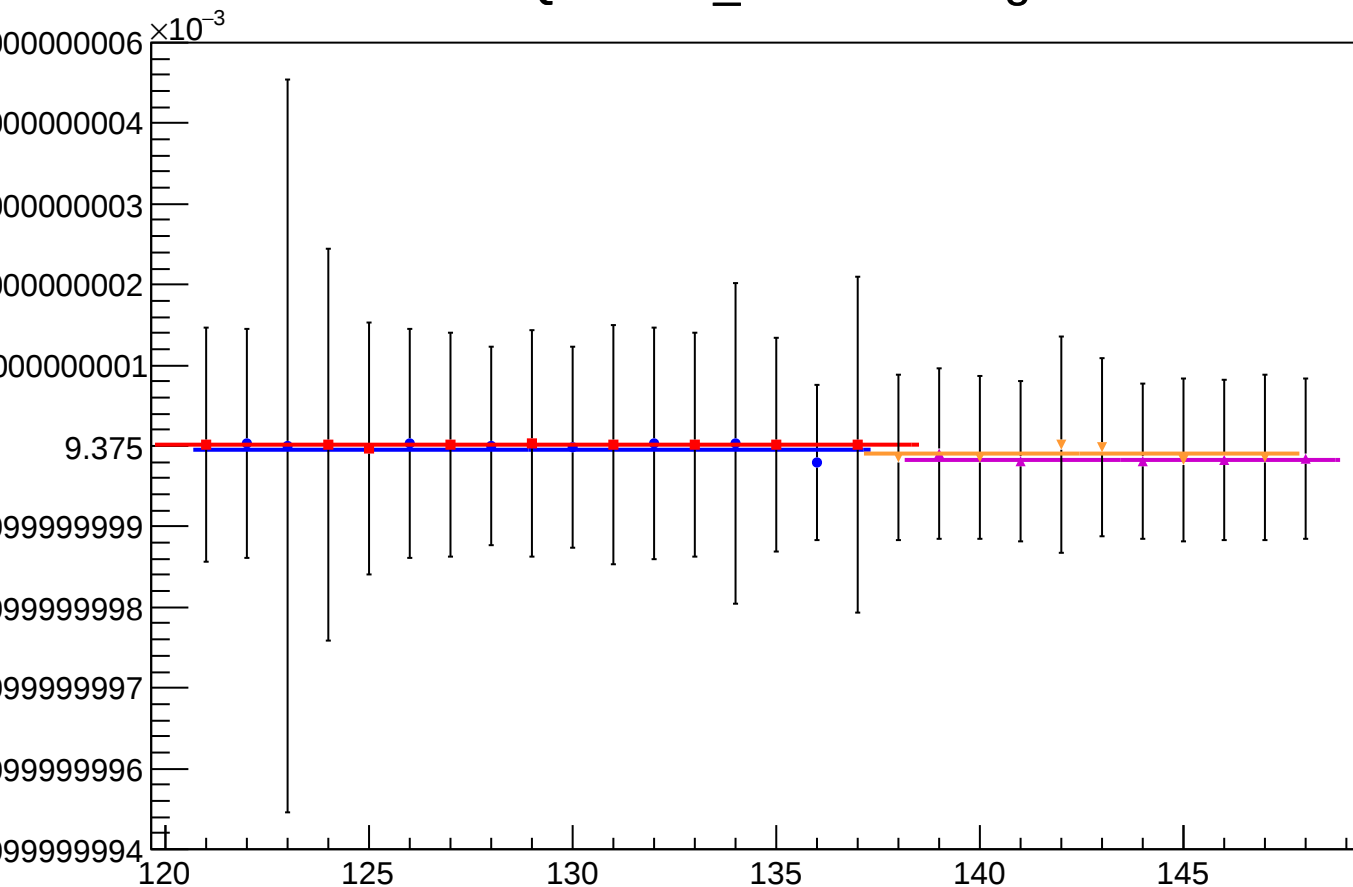
Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.777+/-0.000 χ^2/NDF : 362016123490329863476341637120.0/5

Right Out: 980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: 980.796+/-0.000 χ^2/NDF : 688435529791217590656823197696.0/4

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/5

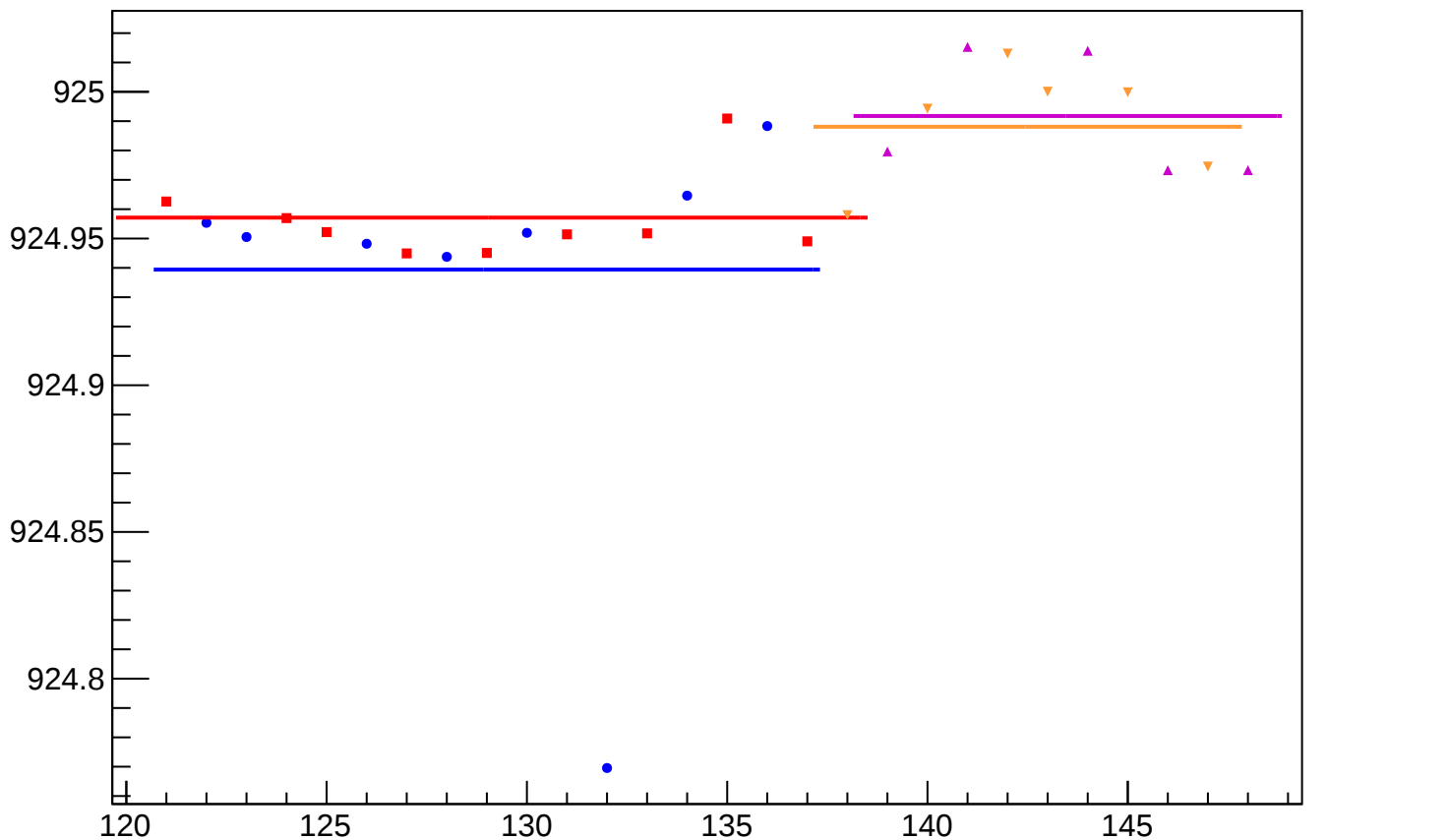
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/4

0.009+/-0.000 χ^2/NDF : 0.1/13

0.009+/-0.000 χ^2/NDF : 0.1/13

HacR_Q2_HP3458A_IOUT_mean vs Slug



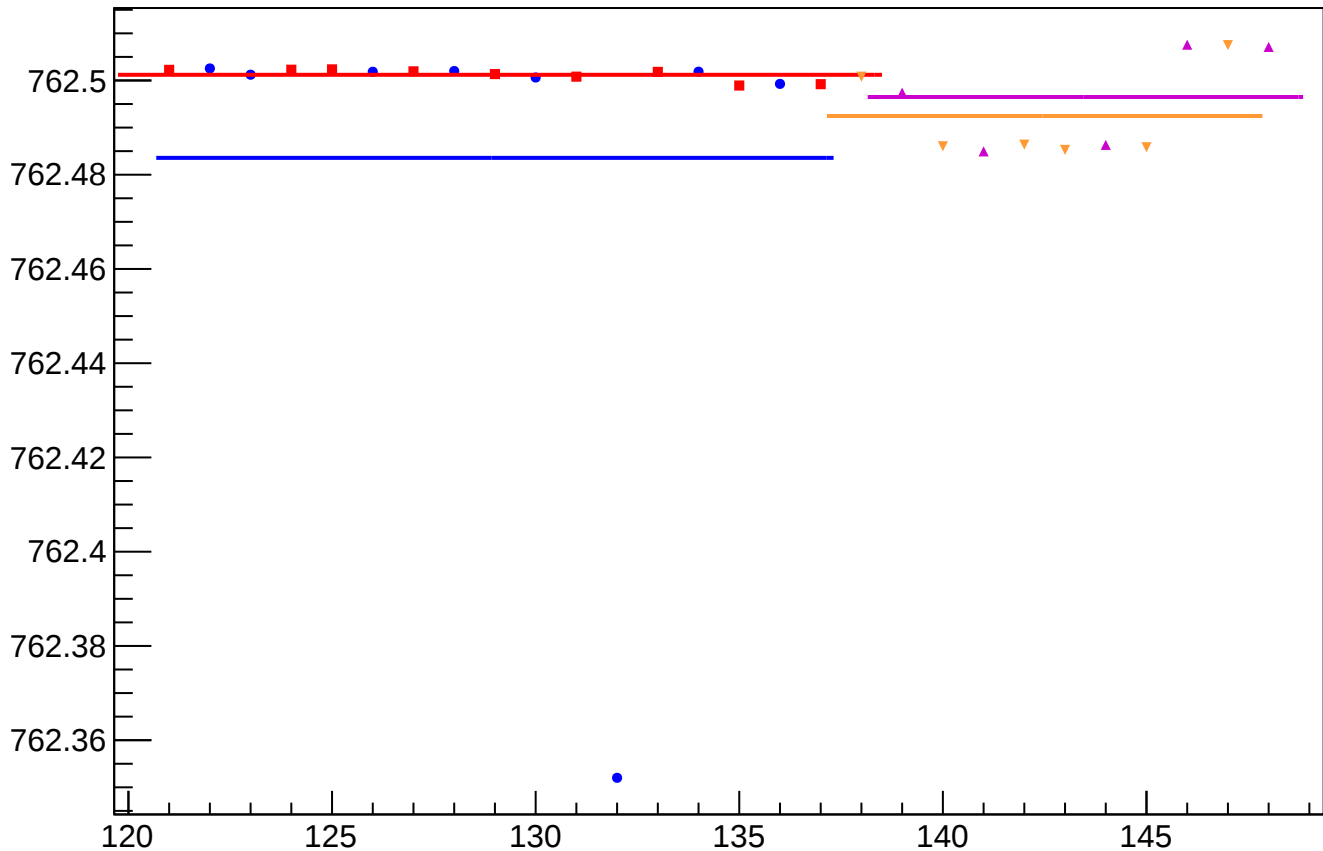
Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.988+/-0.000 χ^2/NDF : 137660743730164404683618123776.0/5

Right Out: 924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

Left In: 924.992+/-0.000 χ^2/NDF : 158885081469066171006891065344.0/4

HacR_D1_HP3458A_IOUT_mean vs Slug



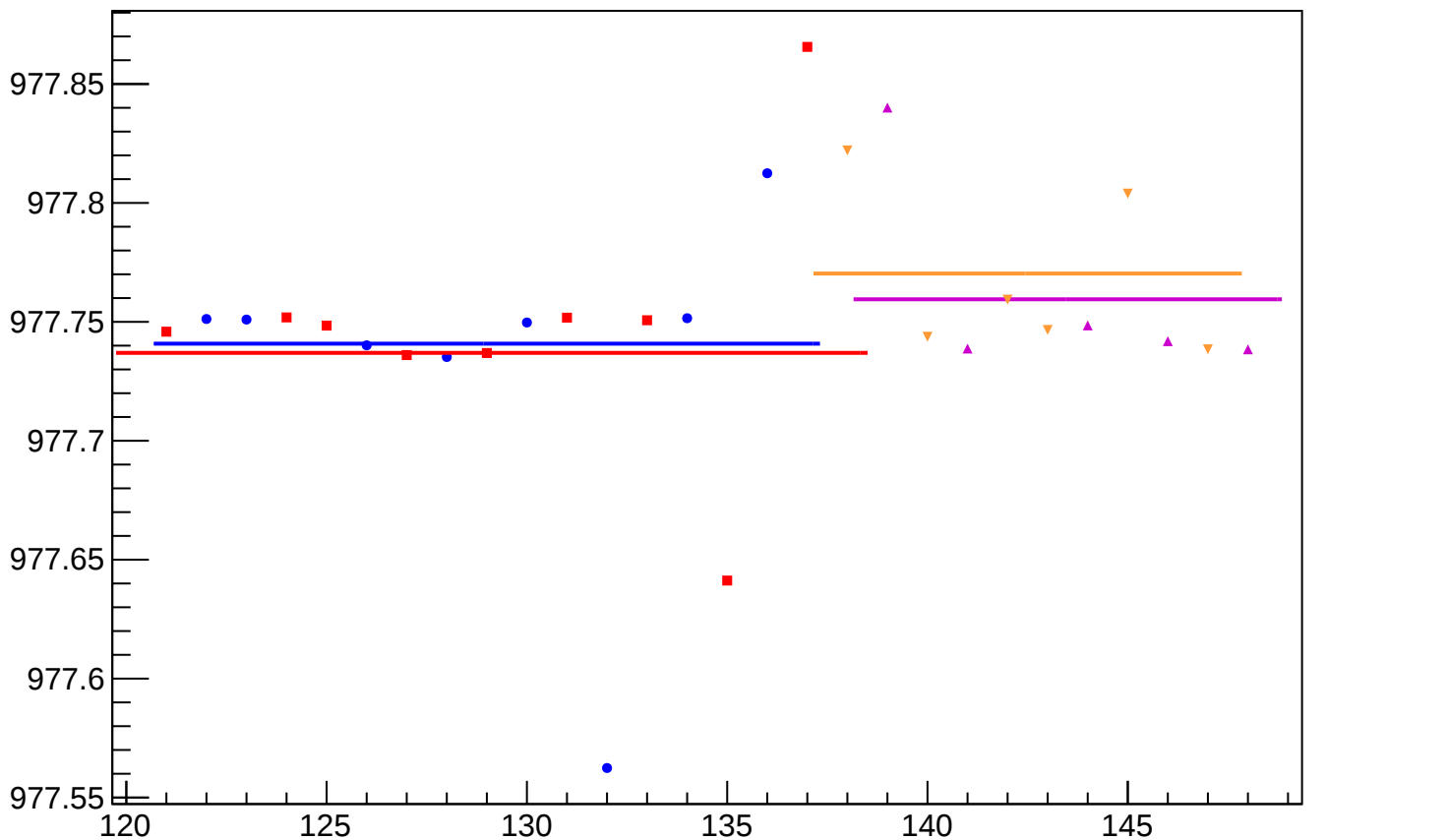
Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.492+/-0.000 χ^2/NDF : 35190623996235251296378028032.0/5

Right Out: 762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

Left In: 762.496+/-0.000 χ^2/NDF : 40283845286416777535824068608.0/4

HacR_Q3_HP3458A_IOUT_mean vs Slug



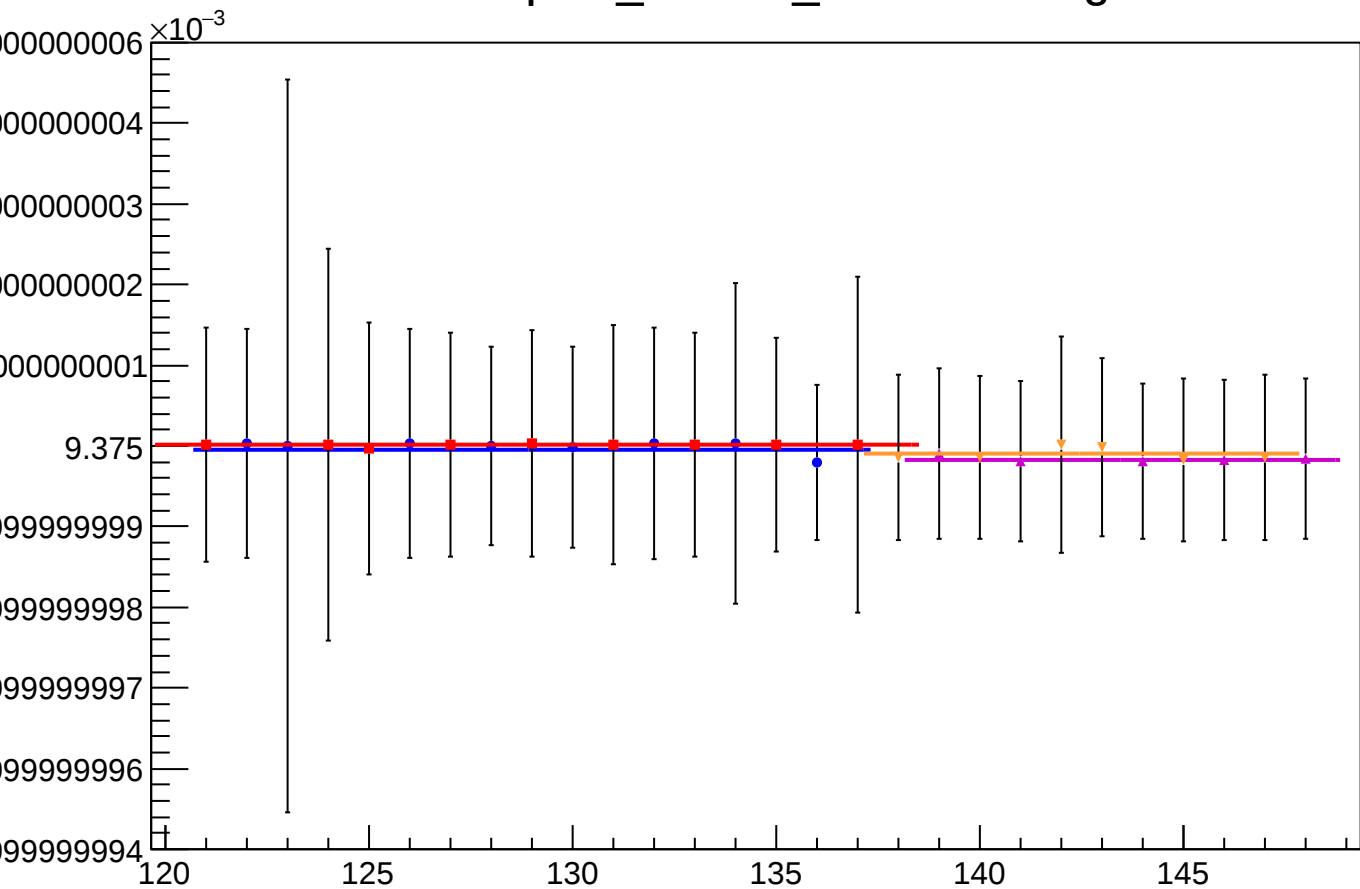
Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.770+/-0.000 χ^2/NDF : 480980829390859836431316025344.0/5

Right Out: 977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

Left In: 977.759+/-0.000 χ^2/NDF : 590926825090797122022860128256.0/4

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/5

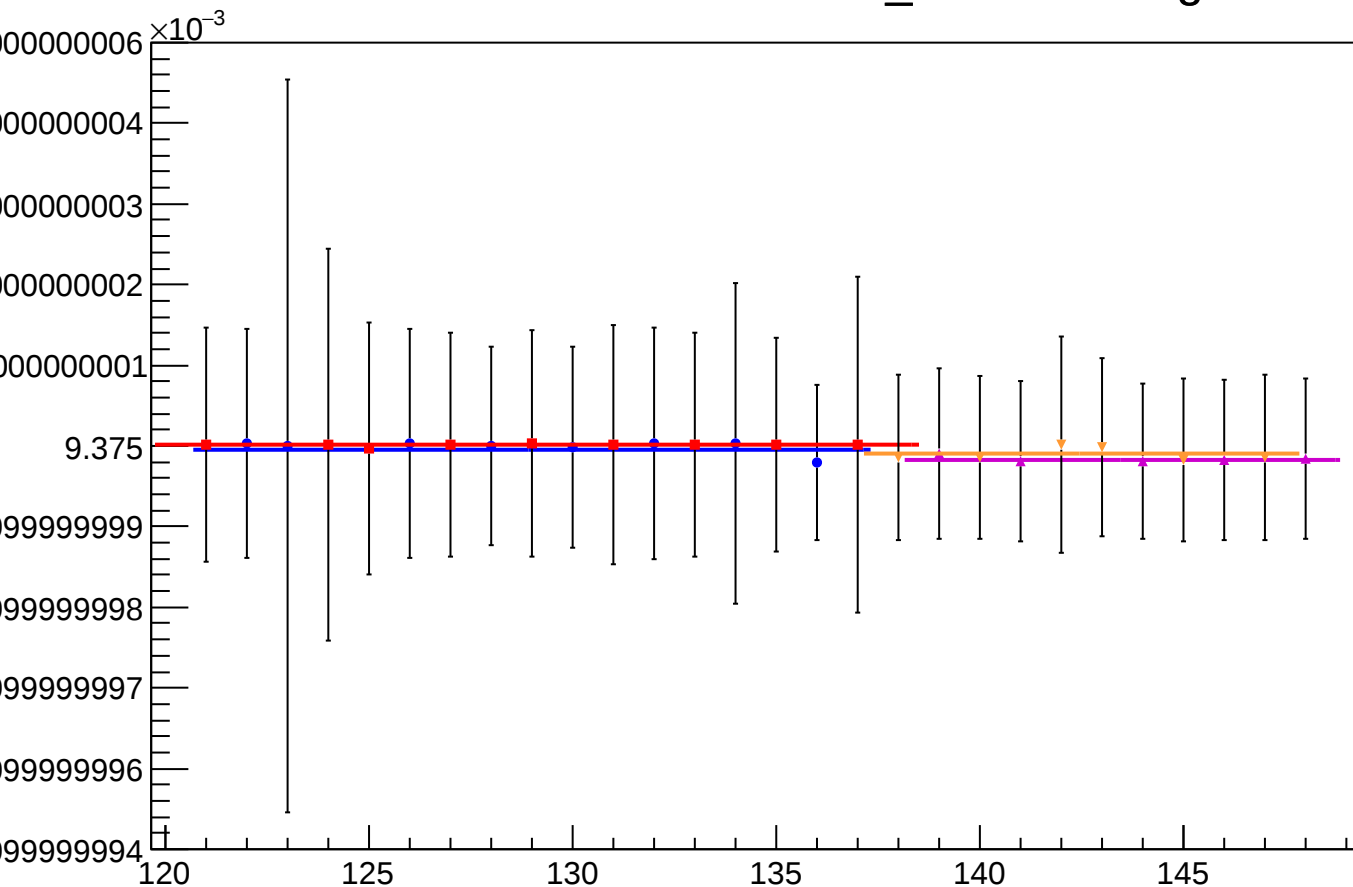
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/4

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/5

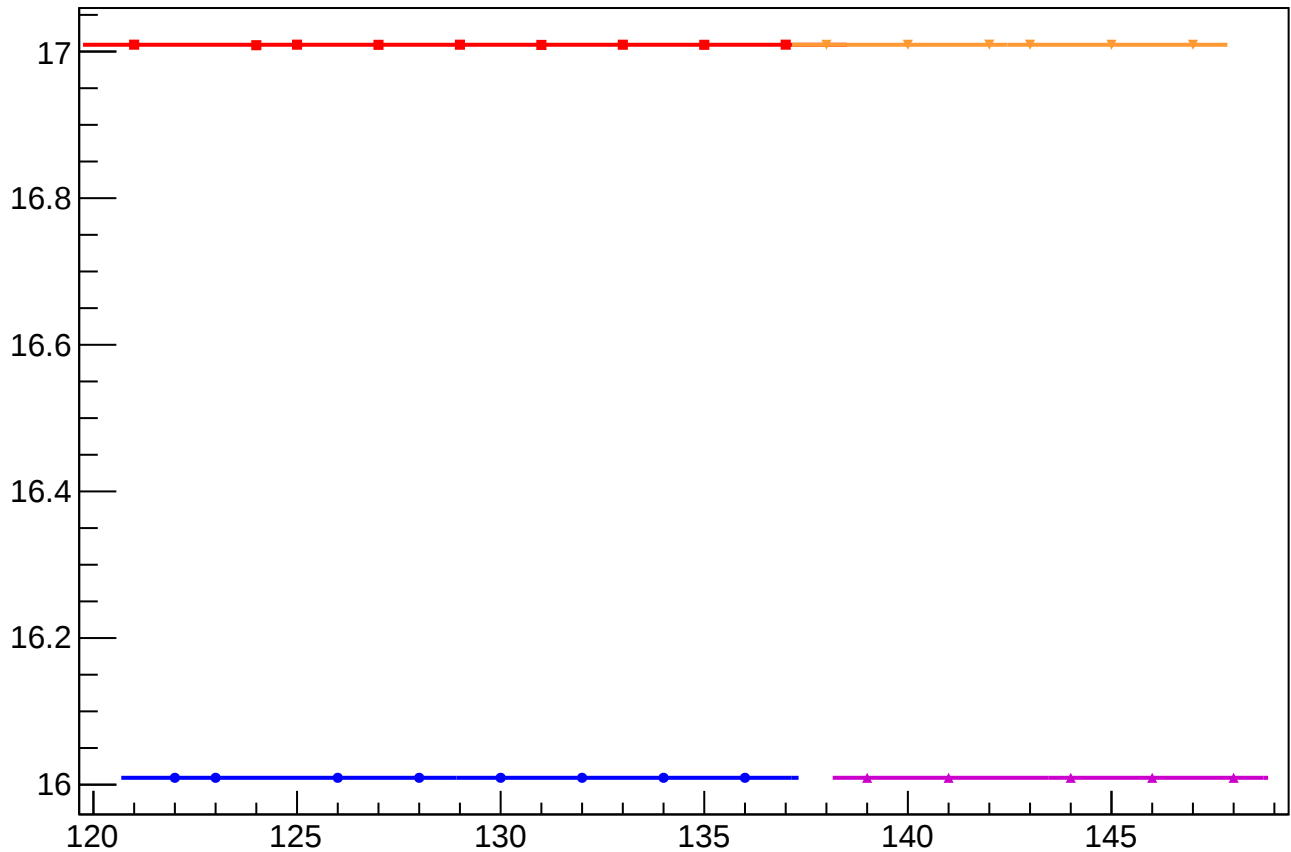
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/4

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 1057236091048120589221888.0/5

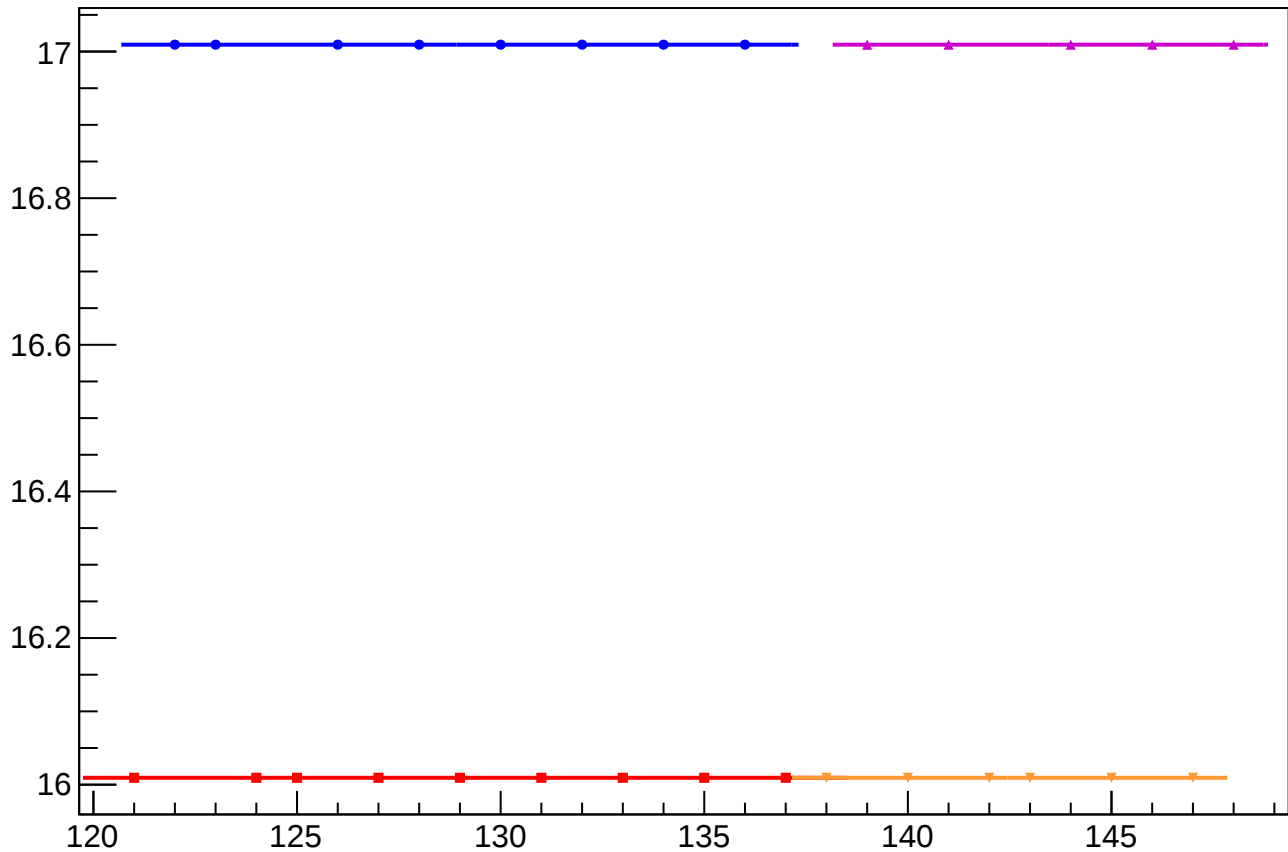
Right Out: 17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: 16.009+/-0.000 χ^2/NDF : 15701.5/4

16.560+/-0.000 χ^2/NDF : 173910974984564773

16.443+/-0.000 χ^2/NDF : 171101742061877962

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 25950.4/5

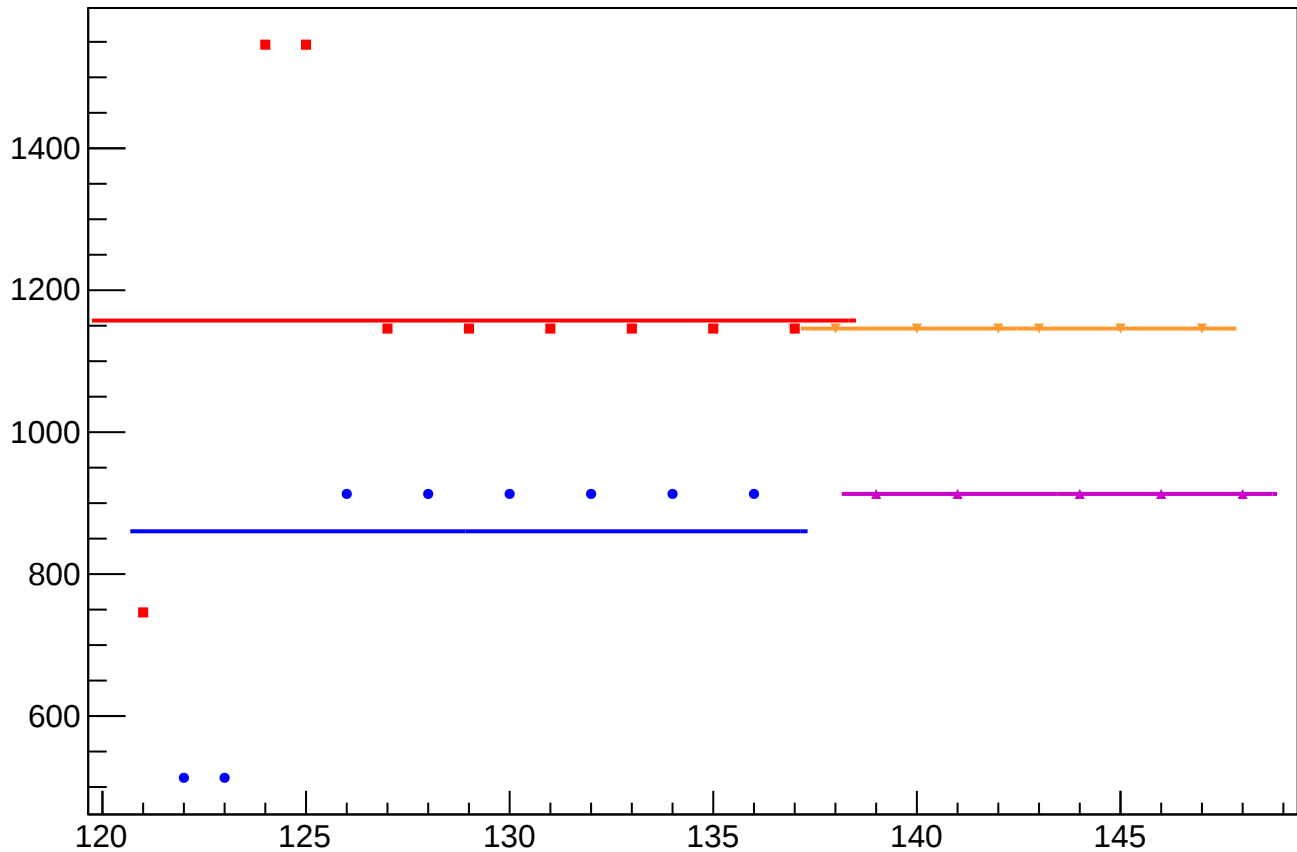
Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: 17.009+/-0.000 χ^2/NDF : 5843.9/4

16.456+/-0.000 χ^2/NDF : 189305483028715894

16.575+/-0.000 χ^2/NDF : 180361035422326675

RTPAPOSUCNT_mean vs Slug



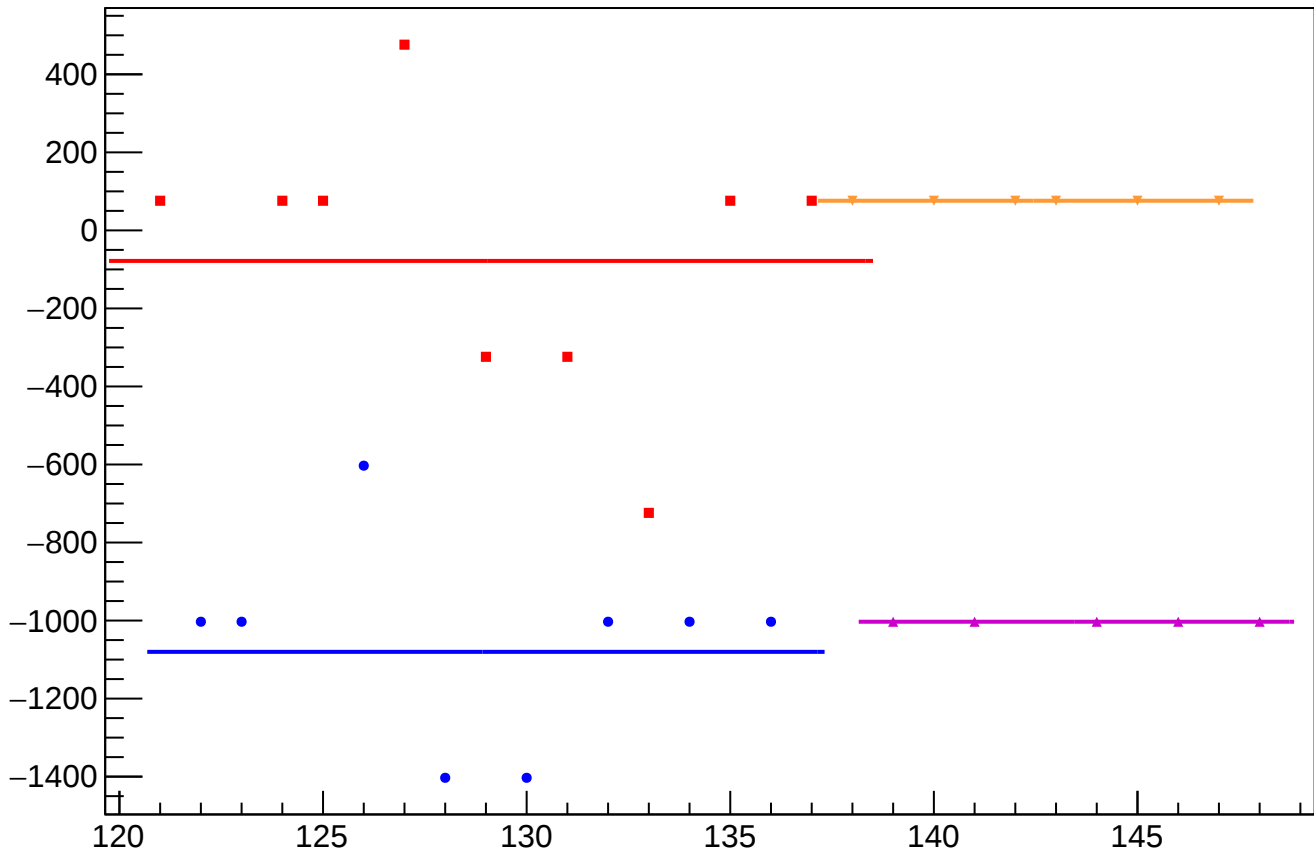
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 1551425447580748425432399872.0/5

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: 912.994+/-0.000 χ^2/NDF : 8744230536257681065573875712.0/4

RTPAPOSVCNT_mean vs Slug



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000 χ^2/NDF : 2546716917690925150690607104.0/5

Right Out: -78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: -1002.989+/-0.000 χ^2/NDF : 668348491637397899523915776.0/4

-434.865+/-0.000 χ^2/NDF : 2768115940893441

-601.082+/-0.000 χ^2/NDF : 1938542197572908